

Electronic Supplementary Information

**DFT Study of Co(I) and Ni(II) Pincer Complexes Catalyzed
Hydrogenation of Ketone: Intriguing Mechanism Dichotomy
by Ligand Field Variation**

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Table of Contents

1. The comparison of free energy barriers using different functionals.....	s2
2. The absolute energies data of all optimized structures.....	s3
3. The Ligand Rotation Mechanism.....	s7
4. The Hydrogen Bonding Effect.	s8
5. IRC Calculation Diagrams for the σ -Bond Metathesis Mechanism.....	s9
6. The Cartesian coordinates (xyz) for all optimized structures are presented.....	s10

1. The comparison of free energy barriers using different functionals

Table S1. The comparison of energy barrier using different functionals (kcal/mol)

Functionals	T/S	T/S
M06-L/BSII//M06-L/BSI	-7.8	17.9
B3LYP/BSII// B3LYP/BSI	-12.2	15.2
M06/BSII//M06/BSI	-4.0	23.7
ω B97XD /BSII// ω B97XD /BSI	-14.8	15.9

- The free energy difference is the result of the triplet minus the singlet
- BSI: 6-31G(d, p)/Ru:SDD; BSII: 6-311++G(d, p)/Ru: SDD

In order to select appropriate functional for our calculation, we compare a series of functionals which are widely used in the computational studies relevant to catalytic hydrogenation and dehydrogenation reaction. The results are shown in Table S1. The free energy results are in excellent agreement with experimental observations, which indicates the ground state of the Co(I) complex is triplet and the ground state of the Ni(II) complex is singlet. Based on these results, we chose M06-L as the functional considering the computational expense and accuracy.

2. The absolute energies data of all optimized structures

Table S2. The absolute energies of all optimized structures

Species	Zero _c (BSI)	H _c (BSI)	G _c (BSI)	E ₀ (BSI)	H (BSI)	G (BSI)	SP+SOL (BSII)	SP (BSII)	Sol G Kcal/mol	Final Free energy
PEA	0.161653	0.170998	0.128254	-385.886207	-385.876862	-385.919606	-386.150086	-386.138568	-7.23	-386.0119517
H2	0.009991	0.013296	-0.001498	-1.160086	-1.156781	-1.171575	-1.17912	-1.179571	0.28	-1.170737679
THF	0.117499	0.1233	0.089274	-232.301439	-232.295637	-232.329663	-232.482579	-232.476248	-3.97	-232.3834247
ACP	0.138211	0.14694	0.105593	-384.762122	-384.753393	-384.794741	-384.955544	-384.943158	-7.77	-384.8400707
Nickel										
SP-Co-1s	0.522528	0.551135	0.466126	-1515.320825	-1515.292218	-1515.377227	-1516.059231	-1516.037054	-13.92	-1515.583225
SP-Co-TS1s	0.662877	0.699357	0.600334	-1900.056649	-1900.020169	-1900.119192	-1901.018539	-1900.997133	-13.43	-1900.408325
SP-Co-2s	0.667455	0.704286	0.60342	-1900.074339	-1900.037508	-1900.138373	-1901.042783	-1901.020355	-14.07	-1900.429483
SP-Co-TS2s	0.680987	0.718206	0.615932	-1901.202273	-1901.165054	-1901.267328	-1902.186463	-1902.162437	-15.08	-1901.560651
SP-Co-1s	0.522528	0.551135	0.466126	-1515.320825	-1515.292218	-1515.377227	-1516.059231	-1516.037054	-13.92	-1515.583225
SBP-Co-1s	0.64166	0.6762	0.58072	-1747.610756	-1747.576217	-1747.671697	-1748.521887	-1748.50045	-13.45	-1747.931287
SBP-Co-SBP-TS1	0.782232	0.824478	0.71327	-2132.353241	-2132.310995	-2132.422204	-2133.496051	-2133.469598	-16.6	-2132.772901
SBP-Co-2s	0.621957	0.655493	0.56146	-1746.457328	-1746.423792	-1746.517825	-1747.345189	-1747.326686	-11.61	-1746.773849
SBP-Co-TS2s	0.635637	0.669556	0.575209	-1747.595089	-1747.56117	-1747.655517	-1748.496927	-1748.478844	-11.35	-1747.911838
SH-Co-1t	0.521224	0.550283	0.464737	-1515.329842	-1515.300783	-1515.386328	-1516.070275	-1516.044143	-16.4	-1515.595658
SH-Co-TS1t	0.661251	0.698405	0.595575	-1900.069245	-1900.032091	-1900.13492	-1901.034442	-1901.01045	-15.05	-1900.428987
SH-Co--TS1t-PC	0.664981	0.702227	0.599166	-1900.075786	-1900.038539	-1900.1416	-1901.049186	-1901.021601	-17.31	-1900.44014
SH-Co-TS1t-b	0.661203	0.698124	0.59584	-1900.078358	-1900.041438	-1900.143722	-1901.047107	-1901.020623	-16.62	-1900.441387

SH-Co-2t	0.501786	0.530288	0.443721	-1514.163069	-1514.134566	-1514.221134	-1514.87571	-1514.858882	-10.56	-1514.422109
SH-Co-TS2t	0.515132	0.543944	0.457866	-1515.307799	-1515.278988	-1515.365065	-1516.034204	-1516.017541	-10.46	-1515.566458
Bent-Co-1s	0.522448	0.550784	0.468342	-1515.279705	-1515.25137	-1515.333812	-1516.016172	-1515.995837	-12.76	-1515.53795
Bent-Co-TS1s	0.662686	0.699281	0.599318	-1900.047373	-1900.010777	-1900.11074	-1901.011505	-1900.988876	-14.2	-1900.402307
Bent-Co-2s	0.667663	0.704366	0.603502	-1900.049242	-1900.01254	-1900.113404	-1901.018897	-1900.995503	-14.68	-1900.405515
Bent-Co-TS2s	0.682669	0.719795	0.619178	-1901.187768	-1901.150642	-1901.251259	-1902.171356	-1902.150392	-13.16	-1901.542298
TP-Co-1t	0.522333	0.551012	0.466619	-1515.328912	-1515.300233	-1515.384626	-1516.069844	-1516.043942	-16.25	-1515.593345
TP-Co-TS1t-a	0.661897	0.698858	0.596245	-1900.057554	-1900.020594	-1900.123207	-1901.035465	-1901.009441	-16.33	-1900.42934
TP-Co-IMt	0.667099	0.703475	0.603183	-1900.099773	-1900.063397	-1900.163689	-1901.076761	-1901.055586	-13.29	-1900.463698
TP-Co-TS1t-b	0.661089	0.697926	0.595446	-1900.065272	-1900.028436	-1900.130915	-1901.03432	-1901.00665	-17.36	-1900.428994
SP-Co-1s	0.522528	0.551135	0.466126	-1515.320825	-1515.292218	-1515.377227	-1516.059231	-1516.037054	-13.92	-1515.583225
SP-Co-TS1s	0.662877	0.699357	0.600334	-1900.056649	-1900.020169	-1900.119192	-1901.018539	-1900.997133	-13.43	-1900.408325
SP-Co-2s	0.667455	0.704286	0.60342	-1900.074339	-1900.037508	-1900.138373	-1901.042783	-1901.020355	-14.07	-1900.429483
SP-Co-TS2s	0.680987	0.718206	0.615932	-1901.202273	-1901.165054	-1901.267328	-1902.186463	-1902.162437	-15.08	-1901.560651
SP-Co-1s	0.522528	0.551135	0.466126	-1515.320825	-1515.292218	-1515.377227	-1516.059231	-1516.037054	-13.92	-1515.583225
SBP-Co-1s	0.64166	0.6762	0.58072	-1747.610756	-1747.576217	-1747.671697	-1748.521887	-1748.50045	-13.45	-1747.931287
SBP-Co-SBP-TS1	0.782232	0.824478	0.71327	-2132.353241	-2132.310995	-2132.422204	-2133.496051	-2133.469598	-16.6	-2132.772901
Nickel										
SP-Ni-1s	0.525533	0.554143	0.470209	-1540.303183	-1540.274573	-1540.358506	-1541.091588	-1541.020238	-46.59	-1540.611499
SP-Ni-TS1s	0.665358	0.70206	0.601757	-1925.007145	-1924.970443	-1925.070746	-1926.019469	-1925.946586	-45.73	-1925.407832
SP-Ni-2s	0.669893	0.707128	0.603893	-1925.03405	-1924.996815	-1925.100049	-1926.057949	-1925.979872	-48.99	-1925.444176
SP-Ni-TS2s	0.685796	0.722787	0.622169	-1926.150467	-1926.113475	-1926.214094	-1927.189721	-1927.113633	-47.75	-1926.557672
SP-Ni-1s	0.525533	0.554143	0.470209	-1540.303183	-1540.274573	-1540.358506	-1541.059867	-1540.985625	-46.59	-1540.579778
SBP-Ni-1s	0.644	0.678901	0.581707	-1772.602046	-1772.567145	-1772.664338	-1773.558958	-1773.49115	-43.21	-1772.967371

SBP-Ni-SBP-TS1	0.783641	0.82619	0.713517	-2157.306022	-2157.263473	-2157.376146	-2158.494826	-2158.419905	-47.01	-2157.771429
SBP-Ni-2s	0.623999	0.657941	0.562628	-1771.430055	-1771.396113	-1771.491426	-1772.366374	-1772.298778	-42.42	-1771.793866
SBP-Ni-TS2s	0.636999	0.671561	0.574823	-1772.547891	-1772.513329	-1772.610067	-1773.499265	-1773.430407	-43.21	-1772.914562
SBP-Ni-1s	0.644	0.678901	0.581707	-1772.602046	-1772.567145	-1772.664338	-1773.558958	-1773.49115	-42.55	-1772.967371
SH-Ni-1t	0.524169	0.553201	0.466952	-1540.270322	-1540.241291	-1540.327539	-1541.059867	-1540.985625	-46.59	-1540.583035
SH-Ni-TS1t	0.663578	0.700538	0.597549	-1924.997585	-1924.960625	-1925.063614	-1926.015318	-1925.938051	-48.49	-1925.407889
SH-Ni-TS1t-PC	0.664968	0.702204	0.598984	-1924.996348	-1924.959112	-1925.062332	-1926.016796	-1925.938278	-49.27	-1925.407932
SH-Ni-TS1t-b	0.661507	0.698394	0.596067	-1924.995217	-1924.95833	-1925.060657	-1926.011552	-1925.933801	-48.79	-1925.405605
SH-Ni-2t	0.50272	0.531671	0.443838	-1539.095829	-1539.066878	-1539.154711	-1539.859385	-1539.790136	-43.45	-1539.405667
SH-Ni-TS2t	0.517858	0.546702	0.460854	-1540.232017	-1540.203173	-1540.289021	-1541.012053	-1540.942794	-43.46	-1540.541319
SH-Ni-1t	0.524169	0.553201	0.466952	-1540.270322	-1540.241291	-1540.327539	-1541.059867	-1540.985625	-46.59	-1540.583035
Bent-Ni-1s	0.525256	0.553665	0.470518	-1540.249949	-1540.22154	-1540.304687	-1541.036467	-1540.966931	-43.63	-1540.556069
Bent-Ni-1s_RC	0.665463	0.703022	0.600034	-1925.015213	-1924.977654	-1925.080643	-1926.024564	-1925.955474	-43.35	-1925.41465
Bent-Ni-TS1s	0.665468	0.702116	0.602227	-1925.012754	-1924.976106	-1925.075994	-1926.024793	-1925.953295	-44.87	-1925.412686
Bent-Ni-2s	0.668339	0.70525	0.603601	-1925.014808	-1924.977897	-1925.079546	-1926.032459	-1925.958295	-46.54	-1925.418978
Bent-Ni-TS2s	0.686448	0.723246	0.624373	-1926.150326	-1926.113528	-1926.212401	-1927.18524	-1927.112916	-45.38	-1926.550987
Bent-Ni-1s	0.525256	0.553665	0.470518	-1540.249949	-1540.22154	-1540.304687	-1541.036467	-1540.966931	-43.63	-1540.556069
TP-Ni-1t	0.523005	0.551607	0.466308	-1540.259731	-1540.231129	-1540.316428	-1541.049195	-1540.973569	-47.46	-1540.573007
TP-Ni-TS1t-a	0.664279	0.700934	0.600198	-1924.98474	-1924.948085	-1925.048822	-1926.011125	-1925.93461	-48.01	-1925.401047
TP-Ni-IMt	0.669985	0.707087	0.604471	-1925.034549	-1924.997447	-1925.100063	-1926.050923	-1925.978187	-45.64	-1925.436572
TP-Ni-TS1t-b	0.665544	0.701612	0.602065	-1924.98154	-1924.945471	-1925.045019	-1926.010231	-1925.932978	-48.48	-1925.398286
A-RC	0.44745	0.470839	0.397638	-1135.846401	-1135.823012	-1135.896213	-1136.523024	-1136.448927	-46.5	-1136.125386
A-TS1	0.584344	0.615178	0.527466	-1520.537162	-1520.506327	-1520.59404	-1521.440923	-1521.360321	-50.58	-1520.913457
A-IM1	0.588964	0.620381	0.531478	-1520.535138	-1520.503721	-1520.592624	-1521.443224	-1521.363457	-50.05	-1520.911746

A-IM2	0.442862	0.466937	0.392412	-1135.788844	-1135.764769	-1135.839293	-1136.46591	-1136.389629	-47.87	-1136.073498
A-TS2	0.440999	0.464065	0.391798	-1135.78088	-1135.757813	-1135.83008	-1136.454453	-1136.379369	-47.12	-1136.062655
B-RC	0.432226	0.455112	0.383588	-1135.417151	-1135.394265	-1135.465789	-1136.025852	-1136.007551	-11.48	-1135.642264
B-TS1	0.569212	0.600561	0.50828	-1520.127943	-1520.096594	-1520.188874	-1520.963263	-1520.940742	-14.13	-1520.454983
B-IM1	0.575002	0.606506	0.514594	-1520.124766	-1520.093262	-1520.185174	-1520.965287	-1520.943752	-13.51	-1520.450693
B-IM2	0.427687	0.451172	0.377021	-1135.375568	-1135.352083	-1135.426234	-1135.980915	-1135.963505	-10.92	-1135.603894
B-TS2	0.425597	0.448563	0.37608	-1135.366644	-1135.343678	-1135.416161	-1135.966016	-1135.952566	-8.44	-1135.589936
C-RC	0.438266	0.462668	0.387342	-1232.474983	-1232.450581	-1232.525907	-1233.110392	-1233.087917	-14.1	-1232.72305
C-TS1	0.576231	0.608948	0.514819	-1617.18974	-1617.157023	-1617.251152	-1618.053212	-1618.026844	-16.55	-1617.538393
C-IM1	0.58084	0.613944	0.519275	-1617.188739	-1617.155636	-1617.250304	-1618.055505	-1618.030549	-15.66	-1617.53623
C-IM2	0.434136	0.458953	0.382749	-1232.439945	-1232.415129	-1232.491332	-1233.071206	-1233.051297	-12.49	-1232.688457
C-TS2	0.43251	0.456483	0.382276	-1232.428658	-1232.404685	-1232.478891	-1233.054208	-1233.038016	-10.16	-1232.671932

- The **Zero_C**, **H_C** and **G_C** designate the thermal correction to Energy, Enthalpy and Gibbs Free Energy.
- The **E**, **H** and **G** designate the Electronic Energy with ZPE correction, Enthalpy and Gibbs Free Energy in gas phase, respectively.
- **SP** designates the single point energy at BSII level. **Sol G** designates the solvation free energy calculated by SMD continuum solvent mode. The **SP + Sol G** designates the sum of single point energy at BSII level and the solvation free energy.

3. The Ligand Rotation Mechanism

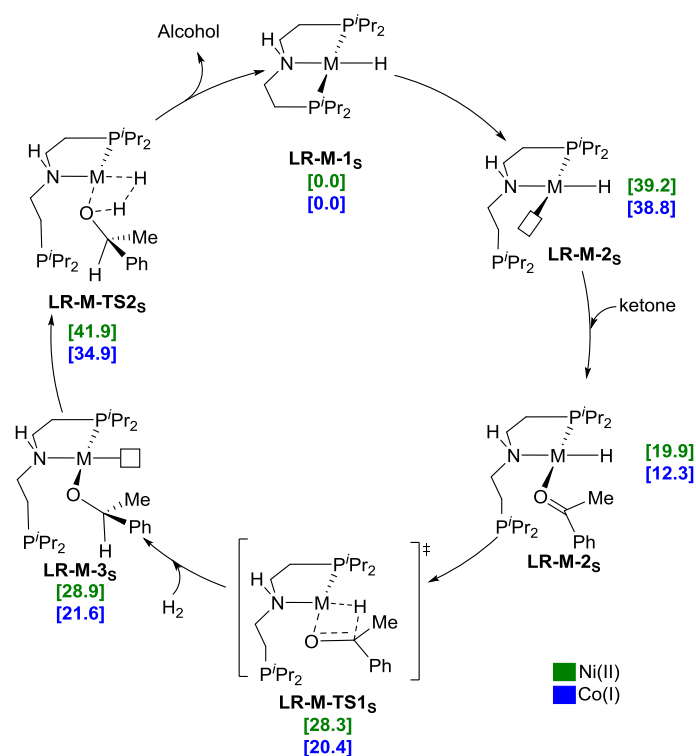


Figure S1. The inner-sphere mechanism via ligand dissociation. Free energy results are reported in kcal/mol.

The inner-sphere via ligand dissociation has also been probed. The calculated results indicate this mechanism is not favored as the PNP ligand is not typical hemilabile ligand and the rotation of the ligand has to pay extra energy penalty. The overall free energy barrier of the Ni(II) complex is 41.9 kcal/mol and the overall free energy barrier of the Co(I) complex is 34.9 kcal/mol. Therefore, the ligand dissociation mechanism is less plausible for both two complexes.

4. The Hydrogen Bonding Effect

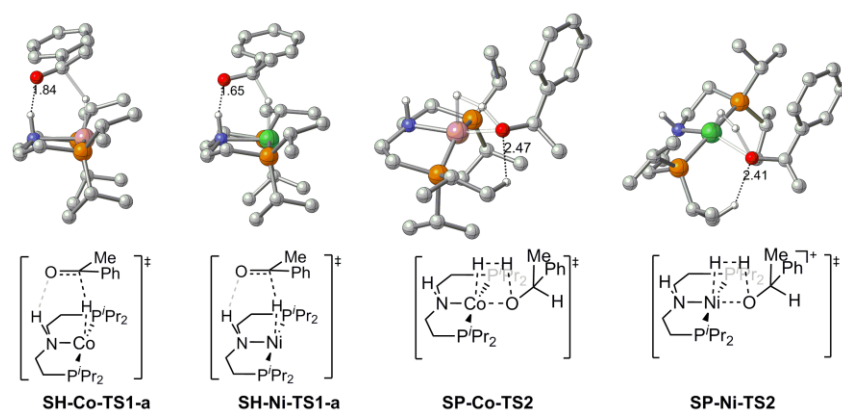


Figure S2. The hydrogen bonding effect

In the case of the bifunctional Saw Horse pathway, the hydrogen bondings from the N-H site to the oxygen atom of ketone are 1.84 Å, 1.65 Å, for **SH-Co-TS1_{T-a}** and **SH-Ni-TS1_{T-a}**, respectively, which can facilitate the hydrogenation of substrate and regenerate the metal hydride complex with the induction effect. In the square planar geometry pathway, the hydrogen bonds from the iPr moiety are 2.47 Å, 2.41 Å, for **SP-Co-TS2_S** and **SP-Ni-TS2_S**, respectively, which can stabilize the transition state to facilitate the sigma bond metathesis-type process to regenerate the metal hydride. Therefore, hydrogen bonding effect is important for catalyst with pincer ligand.

5. IRC Calculation Diagrams for the σ -Bond Metathesis Mechanism

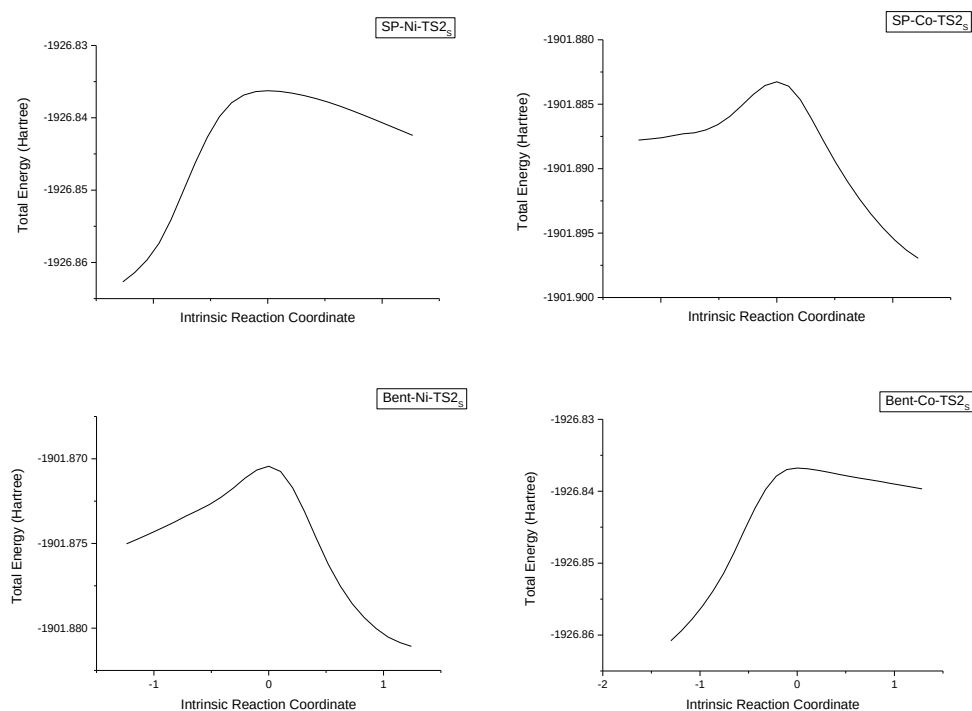
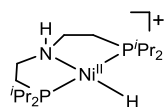


Figure S3. IRC calculation diagrams for SP-Ni-TS_{2s}, SP-Co-TS_{2s}, Bent-Ni-TS_{2s} and Bent-Co-TS_{2s}.

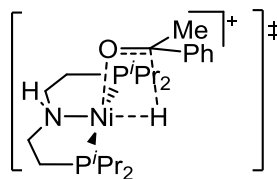
6. The Cartesian coordinates (xyz) for all optimized structures are presented



SP-Ni-1s

15	-2.173185	0.071620	-0.100102
15	2.144852	-0.147041	0.098723
7	-0.125317	-0.407969	1.938290
6	-2.880102	1.700747	-0.605647
6	-3.156806	-1.235462	-0.957917
6	-2.565625	-0.114342	1.707862
1	-3.418889	0.500806	2.013033
1	-2.856784	-1.157996	1.881367
6	-1.331433	0.231581	2.526840
1	-1.146393	1.311329	2.510174
1	-1.450606	-0.061462	3.578256
6	1.131468	-0.022354	2.633680
1	1.111150	-0.346333	3.682199
1	1.161189	1.073915	2.636289
6	2.330168	-0.588786	1.890674
1	2.355908	-1.680549	1.983875
1	3.265683	-0.214416	2.320014
6	3.100535	-1.415055	-0.844978
6	3.014467	1.486952	-0.021481
1	0.060694	0.095165	-1.515975
1	-0.231756	-1.420609	2.031955
1	4.104280	-1.460633	-0.398447
1	-2.968764	-1.047688	-2.023615
1	-3.948421	1.675490	-0.346655
1	2.666620	2.004453	0.886057
6	-2.588117	-2.609520	-0.616589
1	-3.089059	-3.386735	-1.200112
1	-1.514685	-2.668170	-0.829669
1	-2.740060	-2.861177	0.439932
6	-2.726506	1.900554	-2.108918
1	-3.130207	2.873954	-2.401328
1	-1.671252	1.874819	-2.402754
1	-3.256044	1.140887	-2.690982
6	2.415875	-2.771721	-0.701507

1	1.402485	-2.737164	-1.119257
1	2.973787	-3.535538	-1.250423
1	2.343454	-3.111079	0.336450
6	2.551656	2.302798	-1.224858
1	1.461935	2.400855	-1.252070
1	2.986213	3.305867	-1.187134
1	2.861857	1.849563	-2.170730
6	-4.652728	-1.140707	-0.685353
1	-5.076761	-0.184253	-1.004002
1	-5.186187	-1.928151	-1.225337
1	-4.878244	-1.271961	0.378858
6	-2.206872	2.821100	0.180691
1	-2.393661	2.747318	1.256740
1	-1.120710	2.816600	0.020164
1	-2.583936	3.794521	-0.145522
6	4.532305	1.356524	0.050632
1	4.935923	0.871503	-0.843670
1	4.992451	2.346588	0.115519
1	4.869563	0.784307	0.920811
6	3.214122	-1.023890	-2.315027
1	3.800351	-0.114019	-2.466318
1	3.704614	-1.824227	-2.876121
1	2.224054	-0.866710	-2.757306
28	-0.014715	-0.102589	-0.067152

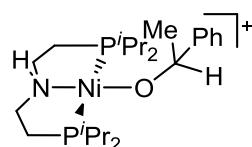


SP-Ni-TS1s

28	-0.052229	-0.215521	-0.206354
15	1.105341	1.590165	0.070177
15	-2.486758	-0.511452	0.011459
7	-0.347275	0.311989	-2.137788
6	0.309132	3.155910	0.661636
6	2.754444	1.438463	0.907124

6	1.563454	1.857201	-1.704244
1	1.910433	2.879101	-1.899716
1	2.414964	1.188503	-1.887496
6	0.399189	1.510256	-2.616919
1	-0.317372	2.334596	-2.644931
1	0.736044	1.355411	-3.648424
6	-1.779310	0.345178	-2.538727
1	-1.859092	0.255945	-3.630250
1	-2.154405	1.340240	-2.270267
6	-2.576908	-0.733888	-1.829588
1	-2.143847	-1.720091	-2.038432
1	-3.603212	-0.747685	-2.210768
6	-3.036543	-2.191225	0.604276
6	-3.953432	0.572001	0.470665
1	0.601482	-0.922070	1.030837
1	0.065485	-0.529130	-2.543742
6	2.721613	-1.647111	-1.287816
6	4.058531	-1.478192	-1.624535
6	5.046289	-1.601143	-0.645712
6	4.683279	-1.912842	0.660860
6	3.341572	-2.085541	0.995354
6	2.342775	-1.939620	0.027916
6	0.871814	-2.066464	0.368105
1	1.945675	-1.573579	-2.045716
1	4.335478	-1.264672	-2.653207
1	6.092275	-1.470379	-0.905836
1	5.445907	-2.029789	1.425100
1	3.081946	-2.323821	2.022937
1	3.256332	0.682826	0.283037
1	1.039627	3.962704	0.508039
1	-2.185480	-2.831042	0.334791
1	-4.781751	-0.128591	0.648857
8	0.027419	-2.085956	-0.657972
6	0.522967	-3.000590	1.519419
1	0.779340	-4.021304	1.221836
1	1.062604	-2.767732	2.439432
1	-0.547177	-2.954967	1.724009
6	3.553990	2.737298	0.850546
1	3.108300	3.511085	1.484780
1	4.568921	2.565533	1.220558
1	3.641379	3.139203	-0.163379
6	2.679971	0.888967	2.327831
1	2.030038	0.011052	2.405384

1	3.678783	0.586487	2.656537
1	2.317257	1.634447	3.040024
6	-0.025582	3.052315	2.146922
1	0.867613	3.033240	2.774603
1	-0.623053	3.914261	2.457966
1	-0.609295	2.149704	2.364256
6	-0.937773	3.447834	-0.165635
1	-0.701733	3.767233	-1.184414
1	-1.579072	2.557380	-0.219369
1	-1.524042	4.248247	0.295860
6	-4.395788	1.548319	-0.611054
1	-5.279123	2.099393	-0.273564
1	-3.626010	2.298277	-0.826181
1	-4.665021	1.057875	-1.550636
6	-3.660079	1.311504	1.773375
1	-4.562506	1.805975	2.146650
1	-3.293857	0.648531	2.563219
1	-2.901601	2.087171	1.618214
6	-3.203867	-2.185783	2.120019
1	-4.076198	-1.594833	2.421787
1	-3.363637	-3.201675	2.494236
1	-2.330767	-1.770965	2.637130
6	-4.282492	-2.730946	-0.087408
1	-4.150744	-2.836698	-1.167227
1	-4.529210	-3.722019	0.306581
1	-5.159903	-2.097163	0.084097

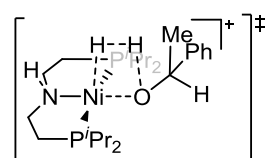


SP-Ni-2s

28	-0.798226	-0.466563	-0.077924
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15	0.442807	-2.364528	-0.180412
7	-2.377888	-1.615727	-0.617649
6	-2.508428	2.180647	1.391826
6	-2.109937	2.419666	-1.589456
6	-3.838605	0.351520	-0.458775
1	-4.663828	0.805308	0.099462
1	-4.094936	0.436280	-1.522118
6	-3.662079	-1.104692	-0.071940

1	-3.603866	-1.219830	1.015708
1	-4.496486	-1.725338	-0.424641
6	-2.202188	-3.065872	-0.359352
1	-3.020283	-3.633711	-0.821423
1	-2.281435	-3.201047	0.724463
6	-0.845870	-3.504168	-0.869476
1	-0.816371	-3.440543	-1.964757
1	-0.645349	-4.549263	-0.611141
6	1.757076	-2.289828	-1.484490
1	2.598318	-1.779885	-0.995554
6	1.145647	-3.385304	1.210206
1	-2.407533	-1.493301	-1.633081
6	3.979957	1.077705	-0.057034
6	4.942531	1.987072	-0.488788
6	4.663603	3.350341	-0.476690
6	3.422998	3.799459	-0.026138
6	2.468152	2.888672	0.410799
6	2.737255	1.517130	0.400373
6	1.697757	0.524266	0.867428
1	4.199037	0.009489	-0.061230
1	5.908038	1.630924	-0.836448
1	5.409882	4.062264	-0.816571
1	3.202858	4.863336	-0.013875
1	1.497333	3.237526	0.757241
1	2.096664	-0.480368	0.631646
1	-2.327024	1.770920	-2.451905
1	-3.458682	2.716600	1.248786
1	1.332069	-4.366718	0.748488
8	0.514071	0.776871	0.148282
6	1.459725	0.581791	2.369603
1	1.103058	1.573200	2.668005
1	0.694807	-0.153257	2.656062
1	2.372885	0.374432	2.937948
6	-3.181694	3.503055	-1.514768
1	-3.003942	4.178981	-0.672430
1	-3.163437	4.110834	-2.423991
1	-4.193313	3.096585	-1.412566
6	-0.708347	2.992007	-1.779170
1	-0.447946	3.699254	-0.987012
1	0.060284	2.215991	-1.777970
1	-0.664688	3.536397	-2.727052
6	-1.394678	3.184667	1.657280
1	-0.418900	2.692380	1.621367

1	-1.388067	4.001967	0.931561
1	-1.521318	3.627812	2.649355
6	-2.659588	1.198108	2.549278
1	-2.825166	1.738647	3.485687
1	-3.506025	0.516004	2.416960
1	-1.749771	0.596085	2.668139
6	2.464805	-2.856588	1.757745
1	3.210241	-2.678340	0.976296
1	2.327520	-1.924822	2.312928
1	2.889877	-3.588108	2.450968
6	0.110913	-3.561452	2.317068
1	-0.224329	-2.593822	2.710200
1	-0.770175	-4.117936	1.983573
1	0.542633	-4.122028	3.151142
6	1.281871	-1.404254	-2.632580
1	2.061645	-1.318543	-3.394762
1	0.397392	-1.824844	-3.128907
1	1.034339	-0.396696	-2.281824
6	2.219613	-3.663340	-1.954843
1	1.408934	-4.225344	-2.431454
1	3.012999	-3.555321	-2.700157
1	2.621708	-4.274146	-1.141451

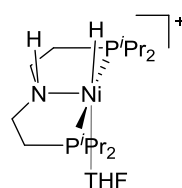


SP-Ni-TS2s

28	-0.636308	-0.528132	-0.332042
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15	1.369111	-1.436730	-0.216356
7	-1.341524	-2.429780	-0.301999
6	-3.379357	1.101047	1.203689
6	-3.629045	0.705451	-1.765236
6	-3.603195	-1.557907	0.043572
1	-4.426710	-1.479098	0.760404
1	-4.043688	-1.886375	-0.906100
6	-2.572450	-2.561719	0.518881
1	-2.277752	-2.370404	1.556575
1	-2.953156	-3.590745	0.466073
6	-0.353414	-3.509777	-0.028159

1	-0.755335	-4.473225	-0.365951
1	-0.238887	-3.573454	1.059195
6	0.965519	-3.172088	-0.690574
1	0.875933	-3.214945	-1.782374
1	1.746146	-3.883642	-0.403050
6	2.761758	-0.878856	-1.285926
1	2.884550	0.171336	-1.000185
6	1.943870	-1.520514	1.552265
1	-1.615034	-2.527973	-1.282018
6	3.419268	1.800022	1.038308
6	4.568700	1.924102	0.258746
6	4.474120	2.401550	-1.046135
6	3.229625	2.775735	-1.554860
6	2.086574	2.649232	-0.771182
6	2.162300	2.140455	0.530339
6	0.911378	1.991150	1.377821
1	3.494100	1.437017	2.063945
1	5.536192	1.647021	0.669229
1	5.365735	2.496534	-1.659247
1	3.152733	3.169577	-2.564878
1	1.116706	2.943894	-1.167972
1	1.182935	1.325118	2.222813
1	-3.521126	-0.148691	-2.451376
1	-4.460011	0.891889	1.243030
1	2.618297	-0.654651	1.624561
8	-0.171553	1.460428	0.665448
6	0.506421	3.335252	1.980527
1	0.238103	4.037957	1.184430
1	-0.362708	3.211647	2.634378
1	1.319560	3.778571	2.564051
6	-5.117105	0.959737	-1.538054
1	-5.280037	1.816850	-0.877311
1	-5.605678	1.188613	-2.489478
1	-5.635243	0.098664	-1.103620
6	-2.927361	1.900104	-2.402258
1	-2.960933	2.788538	-1.766656
1	-1.877670	1.687345	-2.619652
1	-3.420859	2.155034	-3.344447
6	-3.165883	2.598695	1.019349
1	-2.112562	2.814391	0.826091
1	-3.771609	3.008817	0.207223
1	-3.459198	3.120959	1.935536
6	-2.726074	0.598306	2.486337

1	-3.147251	1.121569	3.349914
1	-2.879503	-0.474507	2.653304
1	-1.651110	0.800253	2.450419
6	0.776040	-1.300714	2.516119
1	0.148087	-0.456610	2.212732
1	0.138195	-2.190604	2.581956
1	1.150737	-1.110260	3.526705
6	2.706945	-2.793057	1.906637
1	2.039803	-3.662529	1.922057
1	3.530141	-3.014800	1.224063
1	3.127805	-2.702717	2.912279
6	2.354876	-0.922702	-2.754475
1	3.114508	-0.416185	-3.356970
1	2.277031	-1.949035	-3.130669
1	1.400819	-0.415405	-2.932240
6	4.079535	-1.600892	-1.031537
1	4.007601	-2.679427	-1.213186
1	4.840205	-1.207835	-1.713330
1	4.450036	-1.441281	-0.015296
1	-0.087511	1.107122	-0.764320
1	-0.197462	0.657561	-1.514419

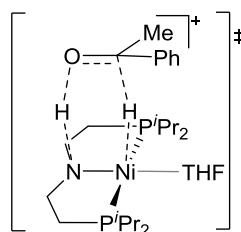


SBP-Ni-1s

15	-2.241660	-0.590754	-0.004721
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6	-3.617726	0.651576	-0.228060
6	-2.852695	-2.051724	-0.987733
6	-2.464045	-1.033056	1.795695
1	-3.468720	-0.756601	2.134896
1	-2.398493	-2.122492	1.886542
6	-1.396111	-0.407825	2.688651
1	-1.456473	0.689422	2.666464
1	-1.561392	-0.709754	3.735833
6	1.094144	-0.190264	2.787951
1	1.231304	-0.473535	3.844014
1	0.950295	0.896715	2.778001

6	2.335603	-0.575875	1.984682
1	2.640121	-1.598412	2.238289
1	3.180640	0.063480	2.262528
6	2.785911	-2.140924	-0.407023
6	3.327788	0.779660	-0.386541
1	-0.078170	-1.552973	-0.494432
1	-0.002226	-1.797619	2.174900
1	-3.945904	-1.947749	-1.044869
1	-4.514948	0.119759	0.124347
1	3.786193	-2.188629	0.047492
1	3.099773	1.611617	0.298854
6	0.334962	2.796236	0.977149
8	-0.115183	1.894177	-0.059239
6	-0.307203	2.622407	-1.301612
6	0.459876	3.909612	-1.110575
6	0.235491	4.183401	0.372862
1	-0.299209	2.646768	1.858694
1	1.369646	2.530990	1.241349
1	0.036867	1.976220	-2.114847
1	-1.383653	2.803379	-1.432106
1	1.524998	3.758372	-1.319732
1	0.098618	4.710977	-1.757355
1	0.960468	4.875979	0.803583
1	-0.763712	4.600838	0.536548
6	-2.515686	-3.388605	-0.339068
1	-2.723671	-4.204077	-1.037813
1	-1.448441	-3.447385	-0.086647
1	-3.093936	-3.585329	0.566994
6	-2.269503	-1.997608	-2.399052
1	-1.192786	-2.198455	-2.369553
1	-2.739513	-2.757013	-3.031303
1	-2.400944	-1.027074	-2.885207
6	-3.831144	1.026372	-1.688471
1	-4.166443	0.175573	-2.287177
1	-4.595382	1.804823	-1.773361
1	-2.914109	1.411740	-2.148587
6	-3.411821	1.874001	0.657184
1	-3.325451	1.612201	1.716639
1	-2.508122	2.423282	0.377634
1	-4.260393	2.558406	0.563139
6	4.774249	0.355466	-0.157630
1	5.072104	-0.435470	-0.853821
1	5.448132	1.200511	-0.327926

1	4.958398	-0.008083	0.858382
6	3.106749	1.276658	-1.810731
1	2.058328	1.525480	-1.997111
1	3.710834	2.169558	-2.001066
1	3.397957	0.530150	-2.554459
6	1.961985	-3.311658	0.114762
1	0.986389	-3.353077	-0.381947
1	2.478346	-4.253142	-0.094124
1	1.787374	-3.273594	1.195572
6	2.914649	-2.220238	-1.923515
1	3.649469	-1.515983	-2.321063
1	3.230368	-3.223322	-2.225367
1	1.952464	-2.015736	-2.408465
28	-0.084706	-0.156811	-0.122210

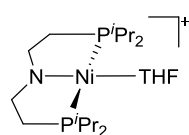


SBP-Ni-TS1

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7	-0.334419	0.285670	-2.084172
6	1.416364	3.427650	0.216705
1	1.283816	3.445264	1.309437
6	3.013082	0.920638	0.646989
6	1.838191	1.450490	-1.974955
1	2.436427	2.277324	-2.372838
1	2.426967	0.532266	-2.098920
6	0.522041	1.326452	-2.706178
1	-0.035334	2.269429	-2.673798
1	0.668759	1.072341	-3.764577
6	-1.667415	0.287931	-2.748409
1	-1.532927	-0.055352	-3.782296
1	-2.015019	1.326295	-2.784856
6	-2.638501	-0.594080	-1.997621
1	-2.254502	-1.622138	-2.008822
1	-3.623073	-0.599369	-2.479143

6	-3.146284	-1.517083	0.757556
6	-4.104847	1.179825	-0.137178
1	-4.086009	1.509463	0.912043
1	-0.013777	-1.345031	-0.304365
1	0.071791	-0.657300	-2.300860
1	2.843586	-0.165393	0.578443
1	-2.168701	-2.009371	0.882518
6	2.880342	-2.072934	-1.703806
6	4.219694	-1.966591	-1.344563
6	4.633446	-2.336599	-0.065468
6	3.699548	-2.833180	0.843359
6	2.361965	-2.950265	0.478167
6	1.929589	-2.554885	-0.794825
6	0.499136	-2.649694	-1.247700
1	2.542798	-1.820931	-2.706232
1	4.947726	-1.607090	-2.067255
1	5.680196	-2.259493	0.214724
1	4.019035	-3.148914	1.833024
1	1.651756	-3.359703	1.191758
8	0.213551	-2.297997	-2.427213
6	-0.390082	-3.676663	-0.577410
1	-0.321050	-3.686875	0.513727
1	-1.430339	-3.505703	-0.863862
1	-0.106360	-4.673054	-0.936168
6	0.238722	-1.086420	2.511342
8	-0.437388	-0.009774	1.819708
6	-0.674918	1.104444	2.719603
6	-0.262775	0.607791	4.098962
6	-0.202220	-0.913379	3.945754
1	-0.090724	-2.011052	2.028387
1	1.325228	-0.988094	2.371717
1	-0.095040	1.967678	2.370698
1	-1.739194	1.355743	2.633293
1	0.721537	1.002708	4.369551
1	-0.963246	0.925724	4.873526
1	0.484438	-1.380731	4.653730
1	-1.190449	-1.361053	4.091256
6	4.342384	1.220927	-0.038779
1	4.617055	2.276674	0.024817
1	5.136621	0.646012	0.449046
1	4.346313	0.932709	-1.092776
6	3.049363	1.312849	2.119784
1	2.091668	1.137699	2.622467

1	3.811454	0.733560	2.650876
1	3.298668	2.372277	2.248364
6	2.660596	4.238618	-0.123609
1	2.478641	5.300991	0.068149
1	3.526809	3.946313	0.473020
1	2.934355	4.149155	-1.180498
6	0.166558	4.034732	-0.414399
1	0.276482	4.130608	-1.500693
1	-0.725356	3.427048	-0.216536
1	-0.011650	5.040842	-0.024023
6	-3.823466	2.391833	-1.020751
1	-2.808320	2.782873	-0.883363
1	-3.949649	2.142832	-2.080431
1	-4.527324	3.199527	-0.800251
6	-5.482156	0.599978	-0.439691
1	-5.800911	-0.140998	0.296656
1	-6.232314	1.397775	-0.439350
1	-5.519858	0.128662	-1.428182
6	-3.650359	-1.113998	2.139927
1	-3.758251	-1.996827	2.778053
1	-2.966378	-0.423718	2.644246
1	-4.632789	-0.632724	2.092351
6	-4.082795	-2.515570	0.083711
1	-4.170541	-3.414011	0.703552
1	-5.091410	-2.117121	-0.051155
1	-3.720706	-2.836792	-0.896769

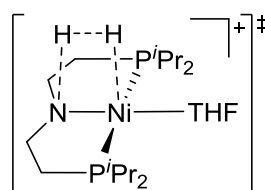


SBP-Ni-2s

15	-2.184483	-0.443927	-0.140836
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6	-2.381127	-1.488221	1.392690
6	-3.612944	0.749906	-0.139961
6	-2.504860	-1.618321	-1.504502
1	-3.470474	-2.127683	-1.423889
1	-2.488361	-1.055634	-2.442836
6	-1.329711	-2.568738	-1.453618

1	-1.442045	-3.257962	-0.592052
1	-1.311133	-3.215922	-2.343589
6	1.010318	-2.788692	-1.275941
1	0.924359	-3.521080	-2.093268
1	0.928208	-3.385709	-0.345050
6	2.351725	-2.086130	-1.328621
1	2.526547	-1.691452	-2.333859
1	3.184590	-2.749202	-1.071938
6	3.575885	0.478130	-0.574579
6	2.521352	-1.442880	1.481165
1	-4.442821	0.197498	0.325377
1	-1.490246	-2.134662	1.357998
1	4.479409	-0.149397	-0.568780
1	1.958504	-2.386417	1.410189
6	0.148272	2.363963	1.205378
8	0.291551	1.761160	-0.107781
6	-0.074366	2.724200	-1.122565
6	0.355575	4.039291	-0.517370
6	-0.020473	3.859453	0.955805
1	-0.712702	1.906683	1.708375
1	1.053834	2.106396	1.765169
1	0.445169	2.432381	-2.039098
1	-1.158511	2.673794	-1.302619
1	1.436596	4.167952	-0.635524
1	-0.137220	4.896564	-0.979230
1	0.601367	4.458557	1.623249
1	-1.059249	4.159845	1.123916
6	-3.343059	2.006414	0.682436
1	-2.576559	2.625856	0.204785
1	-4.250421	2.614031	0.747825
1	-3.014536	1.797362	1.703931
6	-4.015168	1.121704	-1.564191
1	-4.815039	1.867548	-1.542915
1	-3.176467	1.562620	-2.117144
1	-4.378778	0.266419	-2.137944
6	-2.302106	-0.648615	2.663295
1	-3.216920	-0.066580	2.816038
1	-2.186785	-1.294652	3.538462
1	-1.454287	0.046538	2.654388
6	-3.624810	-2.369108	1.391035
1	-3.678934	-2.941210	2.322358
1	-4.545296	-1.778213	1.327799
1	-3.628928	-3.088637	0.568253

6	3.391127	1.067053	-1.968653
1	2.499322	1.702514	-2.003730
1	4.249574	1.691783	-2.231419
1	3.288975	0.307453	-2.747610
6	3.740929	1.586889	0.458381
1	4.595090	2.218085	0.196186
1	2.855875	2.231253	0.483147
1	3.915979	1.208386	1.469061
6	3.990980	-1.777281	1.709305
1	4.599444	-0.874533	1.825245
1	4.106436	-2.362422	2.626455
1	4.420964	-2.365971	0.893324
6	1.919374	-0.641760	2.630426
1	0.856319	-0.434934	2.457883
1	2.005395	-1.196035	3.569787
1	2.428828	0.316895	2.776389
28	0.026449	-0.189041	-0.491890

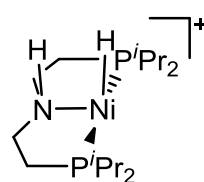


SBP-Ni-TS2s

15	-2.145736	-0.427310	-0.059551
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6	-2.288928	-1.548975	1.426003
6	-3.620982	0.711568	0.009513
6	-2.519748	-1.553699	-1.465831
1	-3.487033	-2.058101	-1.367622
1	-2.551743	-0.945163	-2.374641
6	-1.377839	-2.543085	-1.542325
1	-1.422274	-3.244847	-0.690625
1	-1.450515	-3.158263	-2.451082
6	1.017546	-2.782214	-1.336517
1	1.008339	-3.530850	-2.142198
1	0.854632	-3.341485	-0.396323
6	2.343029	-2.053586	-1.289415
1	2.583178	-1.635079	-2.271779
1	3.159879	-2.727265	-1.008372

6	3.571221	0.465493	-0.486344
6	2.481354	-1.474560	1.535849
1	-4.423661	0.125879	0.482161
1	-1.365103	-2.145467	1.367636
1	4.462523	-0.179514	-0.488700
1	1.906241	-2.409011	1.440947
6	0.162526	2.288684	1.157858
8	0.305931	1.810325	-0.207049
6	-0.130131	2.845257	-1.126034
6	0.299946	4.108807	-0.423043
6	-0.019879	3.799758	1.042451
1	-0.692450	1.778967	1.618371
1	1.071308	1.981768	1.685973
1	0.351361	2.630309	-2.081770
1	-1.219516	2.774232	-1.257327
1	1.373963	4.266420	-0.567155
1	-0.222025	4.993751	-0.791155
1	0.624251	4.344104	1.735567
1	-1.053061	4.076101	1.274241
6	-3.363038	1.956976	0.852648
1	-2.634352	2.611211	0.361416
1	-4.286467	2.533255	0.963046
1	-2.991590	1.737596	1.857410
6	-4.063745	1.111144	-1.395361
1	-4.858072	1.860982	-1.336764
1	-3.237169	1.555801	-1.963894
1	-4.450894	0.269512	-1.973648
6	-2.253422	-0.754404	2.726972
1	-3.198842	-0.228993	2.897498
1	-2.102244	-1.423605	3.578985
1	-1.445871	-0.013287	2.743118
6	-3.487236	-2.489805	1.390834
1	-3.516202	-3.096289	2.301141
1	-4.434213	-1.940691	1.344247
1	-3.459150	-3.181010	0.544176
6	3.395265	1.083219	-1.870098
1	2.497061	1.708800	-1.902293
1	4.255246	1.715418	-2.109880
1	3.303486	0.340794	-2.666673
6	3.758862	1.557224	0.561591
1	4.643257	2.155155	0.322973
1	2.902233	2.239369	0.570734
1	3.896207	1.165646	1.573309

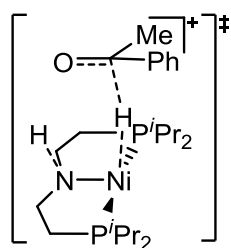
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1	4.053940	-2.445310	2.656602
1	4.373539	-2.400492	0.924971
6	1.890462	-0.695546	2.705523
1	0.837692	-0.445795	2.529530
1	1.948421	-1.283683	3.626221
1	2.430106	0.239830	2.889518
1	0.041558	0.228002	-2.473558
1	0.017726	-0.847028	-2.327410
28	0.038482	-0.075935	-0.680749



SH-Ni-1t

6	-1.129371	0.252183	2.570063
6	1.327860	0.090286	2.504933
6	-2.347655	0.725954	1.792579
1	-2.395368	1.820428	1.792337
1	-3.267157	0.368468	2.269269
6	-2.884874	-1.588509	0.128698
6	2.562749	0.361298	1.655226
1	3.419174	-0.196969	2.049067
1	2.831792	1.423181	1.707681
15	-2.226343	0.151951	0.040024
15	2.260322	-0.037956	-0.127777
6	3.480479	0.976493	-1.082972
6	2.788728	-1.802419	-0.345976
6	-3.442298	1.169797	-0.910406
1	-4.416780	1.014905	-0.424935
1	3.262316	0.724144	-2.129925
1	3.843477	-1.862307	-0.044398
1	-2.440142	-1.963066	1.064665
1	0.182621	1.698642	1.947386
1	-1.162811	0.601611	3.610780
1	-1.099762	-0.844996	2.605849
1	1.140120	-0.986286	2.577229
1	1.475021	0.455849	3.530250

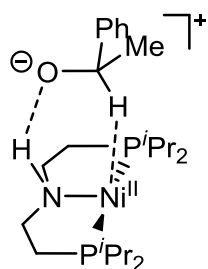
1	0.046275	1.948473	-0.552560
7	0.116453	0.682635	1.902979
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1	3.842187	3.043230	-1.581118
1	2.170819	2.727333	-1.082303
1	3.472454	2.796994	0.118075
6	2.661764	-2.191573	-1.815247
1	2.965429	-3.232103	-1.960008
1	1.624346	-2.103090	-2.160457
1	3.285009	-1.576140	-2.470174
6	-2.355189	-2.456482	-1.009258
1	-1.262464	-2.411015	-1.081485
1	-2.636791	-3.501829	-0.853316
1	-2.760949	-2.153700	-1.979045
6	-3.087009	2.651531	-0.854099
1	-2.100710	2.840146	-1.288873
1	-3.823687	3.225228	-1.423628
1	-3.085785	3.051524	0.163574
6	4.930752	0.616325	-0.777660
1	5.600344	1.247074	-1.369254
1	5.176866	0.789580	0.275943
1	5.172515	-0.422799	-1.016529
6	1.975093	-2.731212	0.549220
1	2.196668	-2.587347	1.610496
1	0.893705	-2.590455	0.403672
1	2.199223	-3.775673	0.314431
6	-4.401959	-1.662333	0.254895
1	-4.897707	-1.340026	-0.666482
1	-4.715031	-2.693023	0.444830
1	-4.789221	-1.049145	1.074834
6	-3.518838	0.680122	-2.353682
1	-3.877530	-0.349764	-2.432643
1	-4.207103	1.308337	-2.925861
1	-2.540374	0.737631	-2.843989
28	0.024878	0.427814	-0.205245



SH-Ni-TS1_T-a

15	-1.344651	1.560683	-0.073179
15	2.682733	-0.435247	-0.001401
7	0.475746	0.260077	1.948932
6	-0.973471	3.326656	-0.534792
6	-2.974670	1.161707	-0.839365
6	-1.662762	1.475002	1.742283
1	-2.236130	2.334633	2.104974
1	-2.296824	0.587520	1.877532
6	-0.370678	1.315819	2.531914
1	0.204819	2.248829	2.527631
1	-0.595885	1.088562	3.582932
6	1.808236	0.178922	2.575064
1	1.718456	-0.143666	3.621121
1	2.232737	1.188902	2.588772
6	2.701792	-0.791258	1.810423
1	2.287109	-1.802526	1.917642
1	3.716288	-0.798661	2.223869
6	3.232609	-2.003166	-0.819244
6	3.982280	0.843484	-0.341012
1	-0.095937	-1.341478	-0.069996
1	0.010667	-0.670387	2.084649
1	-3.127503	0.113999	-0.561270
1	-1.945915	3.801332	-0.728353
1	2.768658	-2.771143	-0.187300
1	4.943262	0.400668	-0.043923
6	-0.665534	-2.423708	0.626159
6	-2.915554	1.247508	-2.359344
1	-3.843005	0.854226	-2.786088
1	-2.815867	2.281834	-2.707035
1	-2.088256	0.662542	-2.775630
6	-4.123733	1.981589	-0.264121
1	-5.062687	1.663843	-0.728245
1	-4.237587	1.845306	0.814930
1	-4.014072	3.053423	-0.463739
6	-0.138012	3.351051	-1.813403
1	-0.594672	2.794320	-2.636123
1	0.014924	4.379850	-2.152713
1	0.853967	2.915197	-1.630073
6	-0.264550	4.090631	0.575463
1	-0.846646	4.141417	1.499560
1	0.707767	3.636745	0.808317

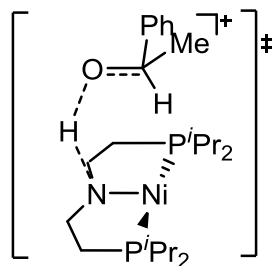
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6	3.750063	2.108433	0.477197
1	2.737578	2.507188	0.320159
1	3.893942	1.951345	1.548986
1	4.452779	2.887907	0.168554
6	4.016414	1.159340	-1.833123
1	4.757521	1.937239	-2.037408
1	4.280042	0.291150	-2.442269
1	3.045052	1.530568	-2.182850
6	2.647414	-2.145836	-2.221745
1	3.089688	-1.437804	-2.929010
1	2.839631	-3.151119	-2.607980
1	1.563032	-1.988666	-2.225867
6	4.742809	-2.209674	-0.791772
1	5.159647	-2.137113	0.217385
1	4.987741	-3.204408	-1.174504
1	5.264073	-1.485304	-1.426194
6	-2.104916	-2.217523	0.191233
6	-3.073757	-1.959705	1.165859
6	-2.500866	-2.333919	-1.146614
6	-4.414484	-1.825760	0.811247
1	-2.752120	-1.906105	2.202995
6	-3.840404	-2.209652	-1.501032
1	-1.755640	-2.520051	-1.918222
6	-4.801465	-1.954063	-0.522016
1	-5.162061	-1.641801	1.578037
1	-4.137011	-2.311484	-2.541457
1	-5.848384	-1.864125	-0.797469
8	-0.384660	-2.261130	1.866040
6	0.033329	-3.584260	-0.077144
1	-0.492425	-4.506131	0.191295
1	0.044731	-3.512542	-1.167331
1	1.056339	-3.672781	0.293539
28	0.518578	0.233855	-0.129044



SH-Ni-2_T

15	-1.362130	1.546740	-0.068930
15	2.678882	-0.427189	-0.002613
7	0.476909	0.269469	1.948778
6	-0.996257	3.312809	-0.535099
6	-2.991382	1.143650	-0.834135
6	-1.675182	1.462076	1.747154
1	-2.255012	2.317621	2.109181
1	-2.301326	0.569505	1.885306
6	-0.379899	1.315331	2.534164
1	0.185046	2.254844	2.531356
1	-0.601333	1.083476	3.584937
6	1.810732	0.203503	2.573438
1	1.724518	-0.115618	3.620837
1	2.227218	1.216940	2.583215
6	2.711058	-0.763596	1.812862
1	2.307613	-1.778111	1.932481
1	3.727863	-0.756399	2.220579
6	3.252791	-1.995398	-0.802986
6	3.952486	0.870842	-0.362594
1	-0.087660	-1.390264	-0.011719
1	0.021414	-0.670925	2.088207
1	-3.140793	0.095031	-0.558704
1	-1.970905	3.780275	-0.735021
1	2.799810	-2.763406	-0.163026
1	4.921847	0.453319	-0.056612
6	-0.623425	-2.386070	0.618156
6	-2.932849	1.233731	-2.353837
1	-3.859073	0.838367	-2.781229
1	-2.836355	2.269188	-2.699107
1	-2.103865	0.652231	-2.771635
6	-4.142574	1.957974	-0.255462
1	-5.080232	1.638741	-0.721163
1	-4.256237	1.816072	0.822853
1	-4.036695	3.031071	-0.450335
6	-0.156095	3.337652	-1.810638
1	-0.604334	2.771579	-2.631684
1	-0.011955	4.365860	-2.155577
1	0.839674	2.913053	-1.621383
6	-0.298182	4.087309	0.574740
1	-0.883808	4.135814	1.496685
1	0.677801	3.644297	0.812619
1	-0.109615	5.115471	0.252569
6	3.692183	2.144321	0.434178

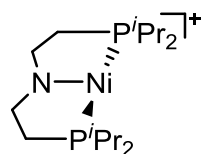
1	2.671016	2.517819	0.270871
1	3.839238	2.008807	1.508387
1	4.377234	2.934053	0.112198
6	3.983538	1.162486	-1.859758
1	4.707471	1.953626	-2.074606
1	4.269286	0.290600	-2.453369
1	3.005328	1.505588	-2.219235
6	2.674364	-2.165193	-2.205381
1	3.106174	-1.458433	-2.920180
1	2.886167	-3.171657	-2.577940
1	1.587274	-2.028873	-2.216588
6	4.766236	-2.176418	-0.769567
1	5.179847	-2.082898	0.239136
1	5.028117	-3.172294	-1.137696
1	5.276592	-1.452656	-1.413456
6	-2.073736	-2.217539	0.184024
6	-3.051267	-1.987773	1.155958
6	-2.460763	-2.329477	-1.156593
6	-4.392880	-1.876867	0.795941
1	-2.734120	-1.935234	2.194552
6	-3.801297	-2.229501	-1.516694
1	-1.708170	-2.497112	-1.925941
6	-4.771478	-2.000644	-0.540206
1	-5.147364	-1.713499	1.560635
1	-4.091047	-2.328766	-2.559366
1	-5.818631	-1.928555	-0.819803
8	-0.365170	-2.236943	1.881455
6	0.061650	-3.582724	-0.047870
1	-0.470518	-4.490055	0.252444
1	0.069822	-3.544481	-1.140324
1	1.086293	-3.668577	0.320192
28	0.516839	0.245274	-0.124366



SH-Ni-TS1_T-b

15	-1.356293	1.554209	-0.057930
15	2.683808	-0.448936	-0.021504
7	0.493784	0.255314	1.897247
6	-0.970356	3.328903	-0.466734
6	-2.966811	1.163921	-0.867316
6	-1.683150	1.406026	1.748594
1	-2.275534	2.242418	2.134307
1	-2.298925	0.501314	1.847014
6	-0.389756	1.237690	2.536978
1	0.138435	2.197287	2.625605
1	-0.624118	0.919076	3.563648
6	1.809097	0.194461	2.545011
1	1.702567	-0.144621	3.586081
1	2.234549	1.206699	2.592217
6	2.735808	-0.759639	1.796936
1	2.370163	-1.785222	1.935916
1	3.755608	-0.716972	2.194841
6	3.190293	-2.040077	-0.822458
6	3.974067	0.817583	-0.415956
1	-0.089297	-1.437977	0.032916
1	-0.016067	-0.836031	2.018758
1	-3.124628	0.112197	-0.606718
1	-1.937963	3.813589	-0.659617
1	2.730883	-2.791167	-0.166948
1	4.941497	0.380209	-0.132263
6	-0.650669	-2.287722	0.678743
6	-2.871097	1.270166	-2.383954
1	-3.782924	0.871987	-2.838843
1	-2.773150	2.309600	-2.716281
1	-2.026888	0.698687	-2.785130
6	-4.128547	1.974173	-0.304358
1	-5.056654	1.662259	-0.793549
1	-4.264489	1.820128	0.769775
1	-4.015858	3.049007	-0.484893
6	-0.116979	3.388975	-1.732527
1	-0.560936	2.855943	-2.577712
1	0.041131	4.426946	-2.039922
1	0.873978	2.950160	-1.548374
6	-0.274266	4.054150	0.677544
1	-0.873009	4.082134	1.591593
1	0.688544	3.583339	0.916585
1	-0.061587	5.088512	0.392573
6	3.752086	2.090395	0.393728

1	2.739302	2.490321	0.241387
1	3.899989	1.939641	1.465868
1	4.454574	2.865721	0.074779
6	3.977272	1.114518	-1.912154
1	4.716656	1.887223	-2.141006
1	4.224896	0.238389	-2.516953
1	3.000332	1.485977	-2.246322
6	2.573226	-2.200166	-2.209027
1	2.991269	-1.494354	-2.933064
1	2.764966	-3.207160	-2.590673
1	1.487129	-2.054173	-2.189319
6	4.699023	-2.260783	-0.821708
1	5.134845	-2.179588	0.178738
1	4.928030	-3.262297	-1.196390
1	5.214457	-1.548211	-1.474008
6	-2.087031	-2.183788	0.188450
6	-3.110706	-1.971729	1.115082
6	-2.413334	-2.316713	-1.166671
6	-4.437100	-1.890130	0.696859
1	-2.839716	-1.896362	2.164910
6	-3.738569	-2.242950	-1.585452
1	-1.624083	-2.475664	-1.901583
6	-4.754531	-2.025096	-0.653695
1	-5.226375	-1.735065	1.427358
1	-3.980605	-2.352534	-2.639220
1	-5.789130	-1.970571	-0.979837
8	-0.465732	-2.016571	1.971556
6	0.020790	-3.587272	0.232678
1	-0.518941	-4.427709	0.677357
1	0.023375	-3.722902	-0.852796
1	1.047613	-3.625300	0.605848
28	0.542150	0.289358	-0.124996

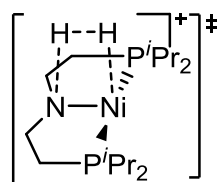


SH-Ni-3_T

15	-1.356293	1.554209	-0.057930
15	2.683808	-0.448936	-0.021504
7	0.493784	0.255314	1.897247

6	-0.970356	3.328903	-0.466734
6	-2.966811	1.163921	-0.867316
6	-1.683150	1.406026	1.748594
1	-2.275534	2.242418	2.134307
1	-2.298925	0.501314	1.847014
6	-0.389756	1.237690	2.536978
1	0.138435	2.197287	2.625605
1	-0.624118	0.919076	3.563648
6	1.809097	0.194461	2.545011
1	1.702567	-0.144621	3.586081
1	2.234549	1.206699	2.592217
6	2.735808	-0.759639	1.796936
1	2.370163	-1.785222	1.935916
1	3.755608	-0.716972	2.194841
6	3.190293	-2.040077	-0.822458
6	3.974067	0.817583	-0.415956
1	-0.089297	-1.437977	0.032916
1	-0.016067	-0.836031	2.018758
1	-3.124628	0.112197	-0.606718
1	-1.937963	3.813589	-0.659617
1	2.730883	-2.791167	-0.166948
1	4.941497	0.380209	-0.132263
6	-0.650669	-2.287722	0.678743
6	-2.871097	1.270166	-2.383954
1	-3.782924	0.871987	-2.838843
1	-2.773150	2.309600	-2.716281
1	-2.026888	0.698687	-2.785130
6	-4.128547	1.974173	-0.304358
1	-5.056654	1.662259	-0.793549
1	-4.264489	1.820128	0.769775
1	-4.015858	3.049007	-0.484893
6	-0.116979	3.388975	-1.732527
1	-0.560936	2.855943	-2.577712
1	0.041131	4.426946	-2.039922
1	0.873978	2.950160	-1.548374
6	-0.274266	4.054150	0.677544
1	-0.873009	4.082134	1.591593
1	0.688544	3.583339	0.916585
1	-0.061587	5.088512	0.392573
6	3.752086	2.090395	0.393728
1	2.739302	2.490321	0.241387
1	3.899989	1.939641	1.465868
1	4.454574	2.865721	0.074779

6	3.977272	1.114518	-1.912154
1	4.716656	1.887223	-2.141006
1	4.224896	0.238389	-2.516953
1	3.000332	1.485977	-2.246322
6	2.573226	-2.200166	-2.209027
1	2.991269	-1.494354	-2.933064
1	2.764966	-3.207160	-2.590673
1	1.487129	-2.054173	-2.189319
6	4.699023	-2.260783	-0.821708
1	5.134845	-2.179588	0.178738
1	4.928030	-3.262297	-1.196390
1	5.214457	-1.548211	-1.474008
6	-2.087031	-2.183788	0.188450
6	-3.110706	-1.971729	1.115082
6	-2.413334	-2.316713	-1.166671
6	-4.437100	-1.890130	0.696859
1	-2.839716	-1.896362	2.164910
6	-3.738569	-2.242950	-1.585452
1	-1.624083	-2.475664	-1.901583
6	-4.754531	-2.025096	-0.653695
1	-5.226375	-1.735065	1.427358
1	-3.980605	-2.352534	-2.639220
1	-5.789130	-1.970571	-0.979837
8	-0.465732	-2.016571	1.971556
6	0.020790	-3.587272	0.232678
1	-0.518941	-4.427709	0.677357
1	0.023375	-3.722902	-0.852796
1	1.047613	-3.625300	0.605848
28	0.542150	0.289358	-0.124996

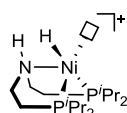


SH-Ni-TS2_T

6	1.105334	-0.228920	2.576926
6	-1.330126	-0.114754	2.516160
6	2.323877	-0.727039	1.806837
1	2.342736	-1.822157	1.811566
1	3.255118	-0.386705	2.272461
6	2.784520	1.580250	0.099168

6	-2.561369	-0.380201	1.650632
1	-3.434680	0.156000	2.037376
1	-2.808632	-1.448332	1.676040
15	2.219829	-0.186603	0.047278
15	-2.266492	0.026828	-0.127349
6	-3.510371	-0.950946	-1.085099
6	-2.704941	1.808825	-0.359929
6	3.466057	-1.196685	-0.869419
1	4.419057	-1.064027	-0.336772
1	-3.340822	-0.647720	-2.127226
1	-3.751943	1.922273	-0.045786
1	2.272938	1.962478	0.996630
1	1.080667	-0.695046	3.574330
1	1.189639	0.859487	2.758735
1	-1.275073	0.954962	2.781401
1	-1.436749	-0.649390	3.473520
28	-0.034099	-0.395733	-0.193759
7	-0.111143	-0.514072	1.842119
6	-3.221773	-2.444739	-0.974426
1	-3.901162	-3.005022	-1.622203
1	-2.197909	-2.693059	-1.268077
1	-3.377552	-2.814004	0.044868
6	-2.576358	2.186978	-1.831930
1	-2.827905	3.241510	-1.974651
1	-1.548330	2.045534	-2.188032
1	-3.237776	1.604225	-2.479102
6	2.286473	2.385791	-1.097424
1	1.202657	2.291474	-1.233651
1	2.512131	3.447085	-0.959358
1	2.762887	2.072597	-2.030887
6	3.076874	-2.672041	-0.838268
1	2.122437	-2.841170	-1.348613
1	3.835619	-3.265048	-1.356223
1	2.990147	-3.073431	0.174915
6	-4.947918	-0.617702	-0.699192
1	-5.641416	-1.205487	-1.307196
1	-5.151343	-0.863531	0.348402
1	-5.194773	0.436174	-0.855157
6	-1.832475	2.697581	0.521420
1	-2.016484	2.538653	1.586968
1	-0.762367	2.528470	0.334275
1	-2.033346	3.751647	0.310058
6	4.288844	1.718132	0.305867

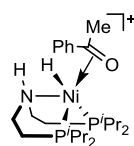
1	4.847134	1.369345	-0.568610
1	4.553202	2.768081	0.459972
1	4.649014	1.161738	1.176563
6	3.619142	-0.704663	-2.305129
1	4.011069	0.313861	-2.365742
1	4.312739	-1.352025	-2.848923
1	2.662285	-0.731324	-2.839028
1	-0.111926	-2.114992	0.160692
1	-0.133328	-1.716662	1.010785



Bent-Ni-1s

15	1.998097	0.038687	0.175497
15	-1.839056	-0.035276	-0.138824
7	0.389838	-2.191319	-0.982385
6	2.807209	1.342600	-0.875808
6	2.675177	0.152285	1.901456
1	3.725570	-0.170546	1.887508
6	2.731538	-1.565238	-0.407704
1	3.738061	-1.429947	-0.821111
1	2.850283	-2.183036	0.489833
6	1.820868	-2.287606	-1.394137
1	1.927463	-1.862888	-2.398915
1	2.111255	-3.339129	-1.474020
6	-0.451169	-1.574870	-2.040075
1	-0.500325	-2.226556	-2.923866
1	0.070933	-0.660603	-2.352196
6	-1.859148	-1.218939	-1.571523
1	-2.390772	-2.121478	-1.249678
1	-2.424692	-0.805745	-2.415245
6	-3.530235	-0.211210	0.606553
6	-1.774650	1.639159	-0.955956
1	-1.158626	-1.635326	1.069530
1	0.031259	-3.120924	-0.784982
1	-4.223255	-0.075498	-0.237233
1	3.836195	1.426739	-0.495450
1	-0.960897	1.494540	-1.687036
6	1.838536	-0.833574	2.721861
1	2.098122	-0.796609	3.784497
1	0.763428	-0.568262	2.663149

1	1.958557	-1.873880	2.402149
6	2.588713	1.556061	2.482024
1	2.905980	1.548635	3.528797
1	3.230446	2.266221	1.954308
1	1.560097	1.935656	2.456282
6	2.107359	2.691559	-0.755365
1	1.981083	3.030021	0.275324
1	2.679161	3.457357	-1.287414
1	1.113399	2.648157	-1.212828
6	2.853913	0.914595	-2.339335
1	3.308281	1.705000	-2.943442
1	3.435959	0.004923	-2.507087
1	1.843001	0.754404	-2.736755
6	-1.349705	2.739573	0.010815
1	-1.091632	3.650171	-0.538752
1	-2.151812	3.000341	0.705994
1	-0.478945	2.443627	0.604841
6	-3.052204	1.999595	-1.706772
1	-3.882572	2.187009	-1.018371
1	-2.901436	2.917198	-2.283349
1	-3.368682	1.223548	-2.410435
6	-3.791223	0.874044	1.646782
1	-3.818395	1.876621	1.213399
1	-4.758024	0.703692	2.128644
1	-3.026683	0.864304	2.431616
6	-3.753728	-1.592461	1.206501
1	-3.116476	-1.747414	2.083010
1	-4.793219	-1.686525	1.533839
1	-3.560517	-2.408706	0.504737
28	-0.030127	-0.817517	0.614693

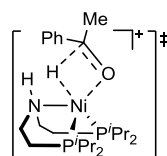


Bent-Ni-2

28	-0.049711	-0.016187	-0.697661
15	1.711031	-1.072572	0.253677
15	0.037571	2.049146	-0.156318
7	1.895705	0.723356	-2.248413
6	1.964977	-1.030726	2.093700
6	1.877618	-2.827344	-0.371599

6	3.225337	-0.266083	-0.426226
1	3.354186	0.699052	0.079307
1	4.122951	-0.849563	-0.197125
6	3.088977	-0.066853	-1.933670
1	4.011906	0.385395	-2.331714
1	2.980673	-1.040485	-2.425568
6	2.072550	2.164192	-2.031867
1	2.516133	2.662142	-2.906070
1	2.796599	2.294179	-1.216632
6	0.764364	2.846126	-1.649493
1	0.027431	2.742090	-2.453876
1	0.921043	3.918868	-1.490272
6	-1.610690	2.878499	0.056850
1	-2.009455	2.797850	-0.965731
6	1.178382	2.565756	1.231386
1	-1.096214	0.764751	-1.419355
1	1.619084	0.556882	-3.209328
1	1.460573	-2.749683	-1.383862
1	2.170740	0.036694	2.270491
1	2.011552	1.856074	1.124474
6	-4.701643	-1.432846	1.522985
6	-3.366770	-1.774257	1.755422
6	-2.462338	-1.771553	0.706989
6	-2.870190	-1.422871	-0.591726
6	-4.214306	-1.089234	-0.814046
6	-5.122157	-1.094569	0.239292
1	-5.412945	-1.434961	2.343609
1	-3.038327	-2.043821	2.755375
1	-1.417236	-2.019146	0.872013
1	-4.557396	-0.824512	-1.809859
1	-6.160593	-0.835995	0.057520
6	-1.877087	-1.412775	-1.681232
8	-0.686587	-1.777312	-1.473634
6	-2.312110	-1.124392	-3.085939
1	-2.949528	-0.241234	-3.156780
1	-1.437382	-0.998430	-3.723111
1	-2.896378	-1.972233	-3.461908
6	0.987856	-3.792743	0.404773
1	-0.041103	-3.433240	0.484392
1	0.954760	-4.759125	-0.107161
1	1.372501	-3.977909	1.413313
6	3.302195	-3.364876	-0.484136
1	3.815733	-3.411098	0.480263

1	3.268684	-4.385516	-0.878171
1	3.926736	-2.784045	-1.168332
6	3.157152	-1.828861	2.608659
1	3.320109	-1.618036	3.670245
1	2.986584	-2.906094	2.519712
1	4.085911	-1.589226	2.082358
6	0.682412	-1.381150	2.845681
1	0.441540	-2.445588	2.761944
1	0.794972	-1.157557	3.911421
1	-0.179358	-0.816170	2.470946
6	-2.529778	2.071694	0.969875
1	-3.552981	2.455754	0.910023
1	-2.548186	1.014342	0.686402
1	-2.220888	2.134503	2.018025
6	-1.567656	4.351490	0.439978
1	-2.570966	4.781080	0.361163
1	-1.244552	4.496665	1.475616
1	-0.911586	4.941833	-0.206562
6	1.762276	3.971999	1.128887
1	0.993666	4.747410	1.164588
1	2.435733	4.147245	1.974062
1	2.348170	4.121845	0.217981
6	0.533629	2.317800	2.591274
1	1.283315	2.384311	3.386018
1	-0.234251	3.065395	2.812397
1	0.065661	1.330404	2.654953

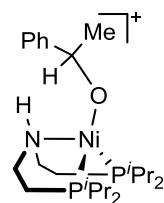


Bent-Ni-TS1s

28	0.049142	-0.146713	0.593641
15	-1.879758	-0.897744	-0.224249
15	0.182077	1.950413	0.082634
7	-1.718365	0.865984	2.308339
6	-2.141108	-0.777152	-2.056686
6	-2.222089	-2.627168	0.375301
6	-3.237791	0.098862	0.523156
1	-3.246673	1.078298	0.028639
1	-4.217022	-0.348444	0.322540
6	-3.023255	0.263506	2.026776

1	-3.858725	0.841984	2.453103
1	-3.045799	-0.718721	2.512920
6	-1.675057	2.318017	2.113277
1	-1.976149	2.869655	3.015208
1	-2.414592	2.579001	1.344916
6	-0.294923	2.779316	1.657456
1	0.462060	2.503040	2.402200
1	-0.264515	3.869898	1.555418
6	1.925930	2.512638	-0.225940
1	2.391039	2.274854	0.744749
6	-0.951775	2.701455	-1.196283
1	1.337466	0.329396	1.211047
1	-1.441523	0.642828	3.257311
1	-1.777915	-2.616029	1.379221
1	-2.228900	0.310812	-2.202855
1	-1.877663	2.122424	-1.066569
6	4.725373	-1.950768	-1.298340
6	3.411846	-2.338807	-1.565022
6	2.421352	-2.133073	-0.614888
6	2.726259	-1.532155	0.613573
6	4.046197	-1.147191	0.873688
6	5.039945	-1.359912	-0.077580
1	5.502004	-2.113882	-2.039284
1	3.164483	-2.808993	-2.512522
1	1.393301	-2.428900	-0.806961
1	4.307898	-0.682314	1.820374
1	6.062523	-1.064555	0.136899
6	1.625000	-1.297490	1.596452
8	0.472738	-1.851743	1.379172
6	1.974380	-0.980357	3.031621
1	2.710454	-0.181873	3.138872
1	1.069031	-0.709597	3.576195
1	2.390590	-1.883341	3.491000
6	-1.449517	-3.659141	-0.440057
1	-0.390398	-3.401843	-0.521298
1	-1.511130	-4.636328	0.047301
1	-1.862636	-3.775018	-1.447294
6	-3.696427	-2.998477	0.498321
1	-4.224549	-2.948501	-0.457887
1	-3.779044	-4.028899	0.857639
1	-4.236341	-2.371089	1.212847
6	-3.418111	-1.423561	-2.582855
1	-3.553653	-1.176278	-3.640281

1	-3.374237	-2.514476	-2.512366
1	-4.313384	-1.086889	-2.051388
6	-0.904440	-1.245572	-2.823080
1	-0.796781	-2.333729	-2.793532
1	-0.979734	-0.956016	-3.876003
1	0.018088	-0.813125	-2.414998
6	2.620370	1.660615	-1.286197
1	3.696680	1.858182	-1.278310
1	2.477815	0.588772	-1.111625
1	2.256293	1.890227	-2.291610
6	2.096151	4.002887	-0.490249
1	3.159135	4.261336	-0.481293
1	1.710653	4.284503	-1.475117
1	1.602781	4.628779	0.259466
6	-1.301481	4.172411	-0.987478
1	-0.426787	4.823249	-1.058588
1	-2.002532	4.490341	-1.765569
1	-1.784463	4.363473	-0.025402
6	-0.439619	2.443779	-2.610615
1	-1.220922	2.671517	-3.342234
1	0.415553	3.084707	-2.845791
1	-0.129156	1.405567	-2.764677

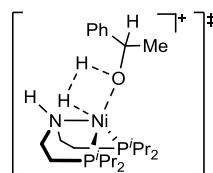


Bent-Ni-2s

28	0.020834	-0.198421	0.531776
15	-1.849906	-1.009382	-0.216207
15	-0.018250	1.942810	0.073029
7	-1.745836	0.724603	2.374640
6	-2.144935	-0.832632	-2.036364
6	-2.045405	-2.772763	0.332776
6	-3.238424	-0.115049	0.595088
1	-3.327432	0.869495	0.118654
1	-4.187665	-0.628187	0.406899
6	-3.005257	0.034210	2.098098
1	-3.876256	0.537282	2.548645
1	-2.945066	-0.957697	2.560382
6	-1.794433	2.177830	2.192751

1	-2.085809	2.704683	3.112250
1	-2.579469	2.406250	1.459606
6	-0.459130	2.714641	1.686533
1	0.340572	2.453835	2.392135
1	-0.477006	3.807951	1.614648
6	1.711830	2.537696	-0.260692
6	-1.204705	2.702600	-1.147931
1	1.458194	0.096952	1.260747
1	-1.445143	0.510056	3.318142
1	2.210409	2.269130	0.685578
1	-1.570266	-2.757941	1.322544
1	-2.296307	0.253227	-2.138524
1	-2.109358	2.088886	-1.022603
6	5.046733	-1.617760	-1.200697
6	3.834720	-2.263474	-1.435157
6	2.774798	-2.102998	-0.548622
6	2.918238	-1.301984	0.586401
6	4.137254	-0.657678	0.817393
6	5.196524	-0.816740	-0.071381
1	5.873924	-1.742702	-1.892954
1	3.717132	-2.898118	-2.308824
1	1.822933	-2.598668	-0.716594
1	4.266221	-0.022450	1.691329
1	6.140842	-0.315231	0.119479
6	1.727290	-1.082447	1.500692
8	0.625207	-1.816096	1.213518
6	2.029467	-1.000479	2.993072
1	2.777477	-0.243079	3.238468
1	1.110517	-0.781687	3.540967
1	2.405837	-1.970827	3.325546
6	-3.487707	-3.247404	0.483237
1	-3.488645	-4.289941	0.815321
1	-4.049779	-2.677404	1.228432
1	-4.042636	-3.209729	-0.458513
6	-1.225459	-3.715237	-0.542895
1	-1.168731	-4.700432	-0.071863
1	-1.681987	-3.853983	-1.528546
1	-0.202104	-3.355293	-0.674584
6	-3.396902	-1.534759	-2.552798
1	-3.567852	-1.267226	-3.599953
1	-3.290917	-2.622981	-2.513464
1	-4.297643	-1.261580	-1.994882
6	-0.901954	-1.207372	-2.842148

1	-0.749307	-2.289559	-2.868892
1	-1.008056	-0.868585	-3.877495
1	0.008638	-0.758457	-2.425331
6	1.855617	4.041049	-0.463797
1	2.915053	4.313128	-0.481806
1	1.429910	4.360122	-1.420126
1	1.382904	4.625756	0.330925
6	2.386983	1.740233	-1.375179
1	1.982562	1.996770	-2.358193
1	3.458253	1.961573	-1.395352
1	2.280390	0.658273	-1.236571
6	-1.592418	4.151897	-0.868094
1	-0.735556	4.828843	-0.917685
1	-2.310954	4.486621	-1.622505
1	-2.068314	4.283971	0.107230
6	-0.717898	2.521036	-2.583480
1	-1.523203	2.755569	-3.286065
1	0.111396	3.198450	-2.808714
1	-0.378482	1.501347	-2.791395

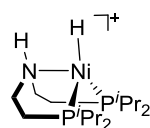


Bent-Ni-TS2s

28	-0.076934	-0.137044	0.679647
15	1.382659	1.250193	-0.250264
15	0.551406	-2.182663	0.103856
7	1.775425	-0.431336	2.381540
6	1.830067	1.076250	-2.038415
6	1.062221	3.039349	0.177352
6	2.945702	0.850328	0.642587
1	3.326709	-0.080777	0.206859
1	3.710139	1.612416	0.461337
6	2.705347	0.670588	2.139316
1	3.672732	0.530983	2.648435
1	2.254737	1.577439	2.559267
6	2.367302	-1.762887	2.229087
1	2.762476	-2.149853	3.178558
1	3.233249	-1.675106	1.564849
6	1.364558	-2.764646	1.658782

1	0.560831	-2.915539	2.387583
1	1.837361	-3.742725	1.502971
6	-0.970522	-3.248647	-0.131469
6	1.636547	-2.887284	-1.245959
1	1.555697	-3.965746	-1.038384
1	-2.874703	1.319131	2.564978
1	1.360826	-0.332740	3.301059
1	-0.626463	-4.083966	-0.757965
1	0.424150	2.950697	1.068063
1	2.224518	0.049616	-2.058053
6	-4.441035	-0.093431	-1.705343
6	-3.245511	0.594923	-1.908494
6	-2.562613	1.134308	-0.823860
6	-3.056897	1.000120	0.477806
6	-4.250102	0.301595	0.669181
6	-4.939832	-0.241512	-0.414359
1	-4.980995	-0.510643	-2.550356
1	-2.850033	0.717676	-2.914136
1	-1.628942	1.670090	-0.981343
1	-4.647717	0.192464	1.676678
1	-5.870069	-0.777298	-0.248397
6	-2.345961	1.638488	1.650090
8	-0.970775	1.246380	1.789094
6	-2.388981	3.154421	1.577707
1	-3.422859	3.509933	1.601342
1	-1.852466	3.593868	2.422558
1	-1.934419	3.512002	0.649059
1	-1.144547	-0.139538	1.926488
1	-1.103154	-1.005936	1.603280
6	2.318617	3.827576	0.544934
1	2.035732	4.857696	0.781649
1	2.836282	3.432293	1.422176
1	3.036904	3.873622	-0.280495
6	0.275453	3.790902	-0.893965
1	0.880295	3.982944	-1.785343
1	-0.633004	3.275963	-1.212990
1	-0.030190	4.765119	-0.500252
6	2.936120	2.012630	-2.513323
1	3.241451	1.743268	-3.529003
1	2.605336	3.054552	-2.546612
1	3.828035	1.963888	-1.881213
6	0.601144	1.102222	-2.943836
1	-0.182537	0.428182	-2.576777

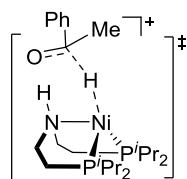
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1	0.873192	0.786964	-3.956257
6	3.112380	-2.527696	-1.166000
1	3.555374	-2.771069	-0.196449
1	3.666270	-3.094542	-1.920262
1	3.299202	-1.469675	-1.373847
6	1.060617	-2.631602	-2.633502
1	1.687132	-3.110948	-3.391440
1	0.050204	-3.032571	-2.748443
1	1.020826	-1.563377	-2.869293
6	-1.533879	-3.823451	1.159545
1	-1.808245	-3.035135	1.871235
1	-2.450959	-4.377276	0.938413
1	-0.847372	-4.513368	1.656188
6	-2.040408	-2.463816	-0.883738
1	-1.659510	-1.975186	-1.786387
1	-2.861318	-3.124536	-1.179892
1	-2.460081	-1.676830	-0.247228



TP-Ni-1_T

15	2.114404	-0.031592	0.100152
15	-2.006503	0.007800	-0.062040
7	0.120838	-1.603001	-1.590909
6	2.715383	1.555250	-0.677725
6	3.298487	-0.331532	1.504127
1	4.279796	-0.505192	1.038192
6	2.566662	-1.387886	-1.078061
1	3.542858	-1.212138	-1.545177
1	2.677062	-2.290934	-0.465628
6	1.503773	-1.615683	-2.148527
1	1.559819	-0.828501	-2.905753
1	1.688041	-2.559672	-2.671250
6	-0.810092	-0.805410	-2.420295
1	-0.890520	-1.225016	-3.432366
1	-0.356388	0.189371	-2.525307
6	-2.173989	-0.693819	-1.764776
1	-2.636091	-1.683553	-1.681991

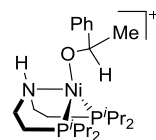
1	-2.842991	-0.084793	-2.382898
6	-3.575157	-0.472969	0.798648
6	-2.063729	1.846278	-0.335563
1	-0.690658	-2.261076	1.054498
1	-0.227563	-2.557330	-1.537370
1	-4.385152	-0.065931	0.175293
1	3.784229	1.600818	-0.421719
1	-1.356104	1.975091	-1.171863
6	2.886543	-1.572237	2.290626
1	3.635710	-1.797992	3.054617
1	1.931422	-1.414188	2.804692
1	2.779151	-2.467659	1.670194
6	3.397479	0.879372	2.424399
1	4.056883	0.651615	3.266590
1	3.806035	1.761139	1.924222
1	2.419482	1.145169	2.843243
6	2.001084	2.763859	-0.080888
1	2.004197	2.775593	1.011967
1	2.474978	3.688497	-0.423192
1	0.956148	2.789690	-0.407897
6	2.584336	1.571241	-2.194939
1	2.964106	2.518850	-2.587459
1	3.145744	0.771868	-2.685338
1	1.534325	1.500064	-2.506041
6	-1.513337	2.615992	0.863883
1	-1.309100	3.655347	0.589265
1	-2.227213	2.639104	1.691479
1	-0.581973	2.180667	1.242516
6	-3.429342	2.367127	-0.767502
1	-4.157288	2.299894	0.047657
1	-3.361295	3.421738	-1.049817
1	-3.839280	1.826243	-1.626246
6	-3.647533	0.161283	2.184673
1	-3.683796	1.252678	2.148648
1	-4.550458	-0.176184	2.700965
1	-2.791069	-0.131456	2.802170
6	-3.737987	-1.985993	0.890966
1	-2.941182	-2.436071	1.489513
1	-4.693130	-2.217305	1.371283
1	-3.744048	-2.481082	-0.083971
28	-0.016234	-1.001382	0.457667



TP-Ni-TS1_T-a

15	-2.585625	-0.118743	0.044177
15	1.149671	1.654662	-0.148246
7	-0.008536	-0.365457	1.744758
6	-3.527166	1.483745	-0.058406
6	-3.800752	-1.384215	-0.576772
1	-4.564439	-1.404004	0.216034
6	-2.463054	-0.577540	1.829902
1	-3.370232	-0.290933	2.373874
1	-2.393583	-1.672301	1.860374
6	-1.228268	0.012972	2.487157
1	-1.280568	1.108775	2.506408
1	-1.157065	-0.321842	3.531097
6	1.205139	0.313002	2.269081
1	1.749747	-0.361088	2.940206
1	0.878865	1.165372	2.878127
6	2.129956	0.799821	1.158360
1	2.634760	-0.046074	0.680562
1	2.917722	1.436837	1.574112
6	2.324048	2.172382	-1.501266
6	0.639259	3.253706	0.656337
1	-0.443957	-1.873339	-0.514480
1	0.079423	-1.404857	1.816204
1	2.129777	3.246837	-1.624832
1	-4.586965	1.208296	0.049412
1	-0.030496	2.947003	1.474778
6	-3.154924	-2.756515	-0.680199
1	-3.921974	-3.520110	-0.838563
1	-2.475381	-2.789172	-1.537755
1	-2.579162	-3.036707	0.207849
6	-4.476478	-1.005654	-1.888407
1	-5.144991	-1.815074	-2.195294
1	-5.083226	-0.099984	-1.814148
1	-3.746974	-0.869826	-2.694430
6	-3.313023	2.125877	-1.427595
1	-3.668111	1.504888	-2.252149
1	-3.837537	3.084356	-1.485763

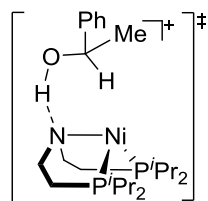
1	-2.248988	2.317613	-1.607423
6	-3.167780	2.450186	1.062286
1	-3.732358	3.380543	0.947862
1	-3.395237	2.051532	2.054818
1	-2.105648	2.717843	1.037104
6	-0.144489	4.132904	-0.312396
1	-0.576652	4.987060	0.216994
1	0.502683	4.540753	-1.095935
1	-0.961994	3.598514	-0.802860
6	1.814835	4.022483	1.250345
1	2.538110	4.305245	0.477519
1	1.458011	4.950925	1.706132
1	2.347732	3.467012	2.026385
6	1.963981	1.474572	-2.809328
1	0.922870	1.656520	-3.096475
1	2.601688	1.830017	-3.624122
1	2.104027	0.391019	-2.729597
6	3.793700	1.993279	-1.137768
1	4.040412	0.939740	-0.972878
1	4.423551	2.354208	-1.956382
1	4.074417	2.548797	-0.238198
6	4.375630	-1.854018	-0.251320
6	3.519023	-1.662864	-1.336515
6	2.167054	-1.975810	-1.217708
6	1.657737	-2.486108	-0.016555
6	2.520849	-2.668284	1.066604
6	3.873398	-2.354885	0.949690
1	5.432151	-1.620025	-0.345623
1	3.909098	-1.279714	-2.276296
1	1.496349	-1.849010	-2.069621
1	2.110457	-3.082034	1.984811
1	4.541958	-2.514187	1.791202
6	0.214238	-2.960500	0.121620
6	-0.110509	-4.066364	-0.878875
1	-1.123486	-4.439229	-0.733205
1	0.026082	-3.761305	-1.920183
1	0.579455	-4.893833	-0.682842
8	-0.256494	-3.060305	1.304680
28	-0.296204	-0.203080	-0.317220



TP-Ni-2

15	2.069834	-1.269497	0.074248
15	-0.257814	2.007240	0.065909
7	1.339934	0.748412	-2.111715
6	2.952299	-0.868688	1.659819
6	2.175569	-3.122384	-0.101475
1	3.245013	-3.325340	-0.265265
6	3.159526	-0.732279	-1.324976
1	4.217799	-0.764138	-1.045507
1	3.030706	-1.474941	-2.120978
6	2.784956	0.647432	-1.836533
1	3.008807	1.403443	-1.072726
1	3.380343	0.908762	-2.722614
6	0.906740	2.136195	-2.426929
1	0.804745	2.269323	-3.508780
1	1.706181	2.814904	-2.105392
6	-0.393222	2.484331	-1.715456
1	-1.211912	1.890248	-2.136439
1	-0.639296	3.542943	-1.854429
6	-1.864814	2.478525	0.862063
6	1.007890	3.198221	0.740000
1	-2.000203	-2.532795	-2.150620
1	1.072988	0.130648	-2.877473
1	-1.785445	3.538550	1.144294
1	3.687770	-1.668486	1.830067
1	1.963772	2.835174	0.330890
6	1.395297	-3.591300	-1.326199
1	1.553488	-4.662157	-1.482304
1	0.319029	-3.431992	-1.203977
1	1.690616	-3.082464	-2.248956
6	1.734828	-3.868607	1.151743
1	1.806520	-4.947045	0.984198
1	2.356003	-3.634761	2.019891
1	0.691658	-3.654619	1.410737
6	1.936341	-0.856677	2.801229
1	1.452326	-1.825286	2.949155
1	2.421251	-0.582401	3.743200
1	1.140591	-0.126057	2.604420

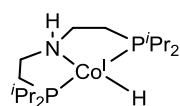
6	3.686433	0.463688	1.575838
1	4.153277	0.696562	2.537453
1	4.476734	0.468096	0.820090
1	2.994607	1.283432	1.350092
6	1.076798	3.120330	2.261559
1	1.924555	3.703769	2.632526
1	0.173340	3.537240	2.718669
1	1.193942	2.094884	2.627212
6	0.797617	4.634218	0.272878
1	-0.189996	5.012301	0.559166
1	1.538410	5.291744	0.737685
1	0.898041	4.748878	-0.809644
6	-2.066327	1.627595	2.113188
1	-1.249087	1.727221	2.833709
1	-2.993785	1.909188	2.621649
1	-2.144075	0.569142	1.842947
6	-3.029412	2.303638	-0.105093
1	-3.050803	1.283996	-0.509081
1	-3.976433	2.459185	0.420725
1	-2.993617	3.005457	-0.942334
6	-3.312955	-1.816368	2.363214
6	-2.029645	-2.156475	1.942807
6	-1.686951	-2.036014	0.597539
6	-2.604184	-1.569348	-0.357264
6	-3.884402	-1.225547	0.086516
6	-4.234846	-1.348528	1.430373
1	-3.593382	-1.918657	3.407124
1	-1.304087	-2.538208	2.657138
1	-0.705710	-2.374838	0.264851
1	-4.624422	-0.864362	-0.622374
1	-5.238968	-1.081557	1.748009
6	-2.172003	-1.491755	-1.814175
6	-3.208274	-0.881483	-2.741802
1	-2.809153	-0.847629	-3.756984
1	-4.135543	-1.460999	-2.760833
1	-3.448347	0.144798	-2.440607
8	-0.956684	-0.796494	-1.967326
28	0.125780	-0.199163	-0.585482



TP-Ni-TS1_T-b

15	-2.443465	0.206865	-0.219587
15	1.563507	1.353036	0.059986
7	-0.359164	0.044630	1.965715
6	-3.155828	1.898176	-0.563810
6	-3.606031	-0.896058	-1.166272
1	-4.592399	-0.677478	-0.729559
6	-2.789741	-0.179579	1.550732
1	-3.780938	0.175514	1.853104
1	-2.800908	-1.272305	1.643893
6	-1.703603	0.393018	2.450988
1	-1.793137	1.485821	2.504663
1	-1.840721	0.017732	3.475292
6	0.674162	0.862553	2.614571
1	0.873882	0.495319	3.631419
1	0.299089	1.891555	2.726615
6	1.955756	0.871303	1.797876
1	2.391465	-0.135586	1.760973
1	2.705025	1.531567	2.247994
6	3.202286	1.496168	-0.819734
6	1.000016	3.126789	0.178745
1	-1.027877	-1.972681	0.486781
1	-0.164202	-1.092186	2.233287
1	3.478549	2.552460	-0.689202
1	-4.196493	1.695678	-0.858062
1	-0.045124	3.068111	0.518761
6	-3.305970	-2.374753	-0.978003
1	-4.074799	-2.974286	-1.473884
1	-2.344694	-2.644659	-1.429515
1	-3.280205	-2.683703	0.070241
6	-3.636683	-0.538774	-2.648894
1	-4.313877	-1.215621	-3.177323
1	-3.988329	0.478459	-2.836924
1	-2.646897	-0.648320	-3.108299
6	-2.423662	2.559962	-1.725553
1	-2.342924	1.922182	-2.609584
1	-2.932526	3.481373	-2.023593

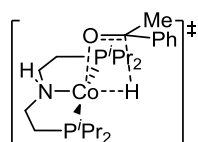
1	-1.407973	2.826816	-1.419892
6	-3.177312	2.827632	0.642779
1	-3.663071	3.768952	0.369353
1	-3.722519	2.416828	1.496461
1	-2.163309	3.079192	0.975269
6	1.025741	3.788708	-1.198017
1	0.515809	4.755734	-1.160469
1	2.052384	3.981257	-1.525806
1	0.541341	3.187817	-1.973380
6	1.801942	3.945751	1.184217
1	2.870184	3.953172	0.938406
1	1.465885	4.986789	1.170245
1	1.697658	3.583114	2.210282
6	3.052840	1.213178	-2.311348
1	2.273842	1.819601	-2.781906
1	3.992756	1.424439	-2.830061
1	2.808283	0.160410	-2.484197
6	4.298994	0.644983	-0.194604
1	4.046814	-0.418947	-0.212474
1	5.224262	0.768936	-0.765430
1	4.514247	0.927780	0.838840
6	3.218402	-2.622280	-1.548867
6	1.966658	-2.359544	-2.097737
6	0.842651	-2.341794	-1.270362
6	0.961571	-2.581776	0.109181
6	2.231642	-2.802348	0.653386
6	3.348468	-2.839428	-0.174418
1	4.095508	-2.652828	-2.188712
1	1.861759	-2.188872	-3.165560
1	-0.153961	-2.216175	-1.706303
1	2.303110	-2.981550	1.723622
1	4.328932	-3.043060	0.247794
6	-0.282025	-2.723786	0.989114
6	-0.927536	-4.096858	0.791961
1	-1.858840	-4.153355	1.361021
1	-1.128945	-4.326353	-0.258739
1	-0.248562	-4.858051	1.185689
8	-0.104757	-2.407942	2.275846
28	-0.168301	-0.226980	-0.051052



SP-Co-1s

15	-2.120918	0.050118	-0.109930
15	2.097253	-0.120929	0.082869
7	-0.115679	-0.393013	1.908095
6	-2.970059	1.647418	-0.569189
6	-3.191226	-1.237361	-0.938567
6	-2.558891	-0.149244	1.698547
1	-3.419495	0.454883	2.011198
1	-2.832460	-1.199398	1.870401
6	-1.325871	0.208398	2.512234
1	-1.165021	1.293053	2.499089
1	-1.430359	-0.093650	3.567399
6	1.117818	0.019102	2.616324
1	1.091600	-0.295909	3.672212
1	1.123667	1.116610	2.606715
6	2.341690	-0.514796	1.892231
1	2.409050	-1.602921	2.014128
1	3.259634	-0.089647	2.317434
6	3.194514	-1.367184	-0.770376
6	3.019479	1.506374	-0.032748
1	0.054496	0.008873	-1.662891
1	-0.196881	-1.409840	1.984743
1	4.187365	-1.350373	-0.295530
1	-3.058121	-1.031922	-2.009694
1	-4.027830	1.566883	-0.275889
1	2.654147	2.033048	0.862808
6	-2.608106	-2.618396	-0.660829
1	-3.138701	-3.392390	-1.227192
1	-1.544697	-2.655032	-0.923841
1	-2.695713	-2.883776	0.401007
6	-2.877003	1.877749	-2.072566
1	-3.317240	2.843795	-2.344368
1	-1.829989	1.876174	-2.396194
1	-3.400181	1.105494	-2.645583
6	2.580055	-2.754393	-0.614157
1	1.572768	-2.769152	-1.048659
1	3.186640	-3.508169	-1.129551
1	2.491276	-3.064946	0.432173
6	2.575132	2.316313	-1.245284
1	1.482682	2.379720	-1.290280
1	2.990936	3.330104	-1.208637
1	2.908752	1.860000	-2.183137

27	-0.010618	-0.126676	-0.148371
6	-4.673277	-1.168420	-0.597602
1	-5.124733	-0.212435	-0.880761
1	-5.230512	-1.957586	-1.115554
1	-4.842705	-1.309991	0.476726
6	-2.337451	2.802042	0.198321
1	-2.474866	2.702339	1.280568
1	-1.258004	2.846175	0.003005
1	-2.780628	3.758872	-0.101305
6	4.534932	1.392875	0.070786
1	4.962574	0.900757	-0.809537
1	4.995897	2.384899	0.140073
1	4.852890	0.822934	0.951092
6	3.330459	-1.025808	-2.250269
1	3.871516	-0.090094	-2.418962
1	3.870475	-1.818273	-2.780578
1	2.340009	-0.923594	-2.708489

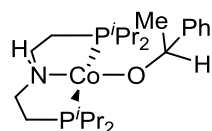


SP-Co-TS1s

27	-0.168612	-0.253125	-0.142150
15	1.067101	1.485166	0.058622
15	-2.403713	-0.466774	0.015218
7	-0.381898	0.249056	-2.131617
6	0.492829	3.205864	0.557818
6	2.741597	1.348362	0.881181
6	1.573597	1.732754	-1.718278
1	1.941401	2.746126	-1.932279
1	2.411928	1.043106	-1.885030
6	0.410261	1.397724	-2.636682
1	-0.276988	2.248266	-2.687367
1	0.747174	1.210028	-3.665925
6	-1.793349	0.309888	-2.575311
1	-1.865881	0.166605	-3.664886
1	-2.139827	1.329695	-2.363786
6	-2.643671	-0.694697	-1.820696
1	-2.288806	-1.712580	-2.029447
1	-3.686214	-0.635935	-2.155871
6	-3.065074	-2.115524	0.614879

6	-3.808108	0.678955	0.548433
1	0.371844	-1.033851	1.125987
1	0.017771	-0.629412	-2.464648
6	2.633634	-1.686836	-1.284678
6	3.971156	-1.528483	-1.613193
6	4.957095	-1.626327	-0.624096
6	4.575500	-1.909200	0.682032
6	3.229368	-2.076824	1.007147
6	2.228849	-1.936983	0.035127
6	0.758672	-2.084687	0.355264
1	1.860237	-1.617765	-2.045780
1	4.253569	-1.334262	-2.645517
1	6.005773	-1.497620	-0.877081
1	5.328886	-2.005658	1.460463
1	2.960233	-2.288664	2.038593
1	3.219592	0.564752	0.275861
1	1.311825	3.907923	0.345211
1	-2.264150	-2.801688	0.305525
1	-4.667200	0.034447	0.786672
8	-0.060475	-2.125390	-0.698013
6	0.454832	-3.132008	1.427930
1	0.760392	-4.118057	1.063141
1	0.972648	-2.941473	2.372179
1	-0.617999	-3.149170	1.627913
6	3.600686	2.604251	0.800493
1	3.208082	3.403324	1.440595
1	4.619829	2.391605	1.142953
1	3.674170	2.999188	-0.218539
6	2.656949	0.827509	2.311882
1	1.941568	0.003687	2.401905
1	3.635116	0.457875	2.640197
1	2.349029	1.609413	3.013528
6	0.182549	3.233478	2.050008
1	1.090748	3.198557	2.658575
1	-0.360448	4.145649	2.323093
1	-0.438337	2.374724	2.336910
6	-0.720670	3.616285	-0.264499
1	-0.463707	3.821880	-1.308644
1	-1.481069	2.823038	-0.254848
1	-1.182372	4.523920	0.141135
6	-4.250460	1.669835	-0.519185
1	-5.050730	2.312837	-0.134820
1	-3.429827	2.333575	-0.816458

1	-4.630773	1.182592	-1.422249
6	-3.393507	1.418950	1.816021
1	-4.225825	2.009271	2.217521
1	-3.048419	0.740239	2.602775
1	-2.565428	2.104339	1.601751
6	-3.169655	-2.118815	2.134826
1	-3.985024	-1.468890	2.477327
1	-3.382349	-3.125171	2.513423
1	-2.245896	-1.767393	2.608990
6	-4.368853	-2.572618	-0.025385
1	-4.284572	-2.677738	-1.110499
1	-4.671621	-3.548309	0.373217
1	-5.194924	-1.879940	0.177870

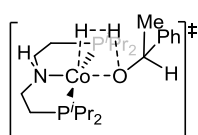


SP-Co-2s

27	0.313538	0.363922	-0.160494
15	2.401149	-0.293624	-0.246449
15	-1.542264	1.516860	-0.115194
7	0.766652	1.476865	-1.856638
6	3.551768	0.334292	1.108949
6	2.926162	-2.079776	-0.403241
6	2.995904	0.418059	-1.849633
1	4.073254	0.608630	-1.901235
1	2.765182	-0.320117	-2.629994
6	2.215380	1.694469	-2.081295
1	2.523034	2.457538	-1.353780
1	2.393457	2.113681	-3.084270
6	0.053643	2.772211	-1.960117
1	0.191947	3.208916	-2.962293
1	0.547071	3.441716	-1.247051
6	-1.410401	2.617167	-1.609147
1	-1.951204	2.139202	-2.435083
1	-1.875105	3.598002	-1.452183
6	-3.298093	0.872292	-0.293193
1	-3.422685	0.204133	0.570720
6	-1.690851	2.750347	1.286537
1	0.420524	0.864942	-2.599069

6	-3.001042	-2.627054	0.628889
6	-3.548929	-3.407127	-0.384878
6	-2.773577	-3.758304	-1.489438
6	-1.452933	-3.323829	-1.563265
6	-0.911203	-2.538973	-0.545314
6	-1.678164	-2.176912	0.564246
6	-1.114706	-1.300007	1.676106
1	-3.613870	-2.342899	1.485453
1	-4.583515	-3.736117	-0.319249
1	-3.197884	-4.364887	-2.285648
1	-0.839846	-3.594388	-2.420689
1	0.112429	-2.172422	-0.606844
1	-1.902932	-0.533048	1.863919
1	2.340471	-2.439595	-1.263411
1	3.830210	-0.570421	1.668477
1	-2.583253	3.366185	1.104790
8	0.099517	-0.717138	1.385215
6	-0.979121	-2.102983	2.971992
1	-0.239873	-2.901200	2.845382
1	-0.633537	-1.445581	3.775569
1	-1.926988	-2.560288	3.276236
6	4.407563	-2.270439	-0.705676
1	5.025994	-1.934894	0.135066
1	4.634936	-3.331092	-0.863310
1	4.735060	-1.728497	-1.599551
6	2.504979	-2.876241	0.826833
1	3.121075	-2.612897	1.694944
1	1.464674	-2.676009	1.096364
1	2.636737	-3.949747	0.653048
6	2.778448	1.252741	2.048498
1	2.518986	2.188828	1.537797
1	1.838651	0.790534	2.369013
1	3.381197	1.508215	2.928676
6	4.827187	0.995738	0.604786
1	5.456556	1.303715	1.447493
1	5.427102	0.336661	-0.030949
1	4.605805	1.901769	0.027064
6	-1.838802	2.007985	2.608372
1	-2.753243	1.406186	2.646392
1	-0.987560	1.330922	2.757253
1	-1.870042	2.712848	3.446938
6	-0.473257	3.665846	1.322267
1	0.452437	3.075423	1.344444

1	-0.430240	4.333229	0.455390
1	-0.495095	4.298904	2.216736
6	-3.415659	0.015608	-1.549759
1	-4.352906	-0.550786	-1.539157
1	-3.426068	0.632553	-2.456709
1	-2.596822	-0.707068	-1.631853
6	-4.386889	1.937814	-0.252496
1	-4.240589	2.696605	-1.031350
1	-5.368921	1.484811	-0.430790
1	-4.440552	2.454893	0.709896

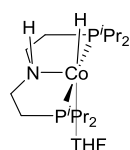


SP-Co-TS2s

15	-2.428758	0.903364	-0.237752
15	0.640779	-1.872865	0.020594
7	-1.496101	-1.297845	-1.899554
6	-3.687388	0.560240	1.124423
6	-2.482480	2.773036	-0.354427
6	-3.285307	0.442316	-1.819455
1	-4.375393	0.571794	-1.805490
1	-2.887072	1.124840	-2.580202
6	-2.934287	-0.991955	-2.155194
1	-3.510386	-1.665391	-1.512338
1	-3.190154	-1.250957	-3.192160
6	-1.343291	-2.752881	-1.654094
1	-1.682997	-3.324732	-2.532002
1	-2.027929	-2.985464	-0.829115
6	0.073129	-3.099926	-1.256953
1	0.746266	-3.021424	-2.120076
1	0.123670	-4.137427	-0.903848
6	2.515151	-2.010543	-0.175217
1	2.922813	-1.411261	0.652608
6	0.400571	-2.829697	1.625936
1	-0.960889	-1.051164	-2.730359
6	4.151122	1.114754	0.840765
6	5.362409	1.392932	0.217037
6	5.391075	2.206908	-0.913926
6	4.204284	2.745831	-1.403375

6	2.993746	2.469945	-0.772426
6	2.952843	1.642840	0.350907
6	1.651990	1.307658	1.044819
1	4.124978	0.466018	1.717267
1	6.284089	0.967835	0.606289
1	6.334131	2.417947	-1.411021
1	4.219499	3.382313	-2.284332
1	2.064819	2.882832	-1.157132
1	1.713765	0.252532	1.358823
1	-1.713394	2.976091	-1.113726
1	-4.423091	1.378638	1.144745
1	1.009395	-3.742907	1.584875
8	0.518738	1.500033	0.224514
6	1.444262	2.142868	2.301386
1	1.378906	3.205098	2.044274
1	0.509980	1.845602	2.790581
1	2.267592	2.010736	3.011162
6	-3.812536	3.346230	-0.829308
1	-4.623589	3.122887	-0.125580
1	-3.751340	4.438298	-0.903770
1	-4.113755	2.969782	-1.811501
6	-2.045200	3.437564	0.945001
1	-2.809967	3.325114	1.722608
1	-1.104138	3.019489	1.311805
1	-1.903359	4.513760	0.793453
6	-2.954056	0.497868	2.461241
1	-2.203650	-0.302908	2.431696
1	-2.420974	1.422306	2.699622
1	-3.650331	0.287398	3.281412
6	-4.413349	-0.755282	0.883022
1	-5.058868	-1.008378	1.731457
1	-5.040202	-0.736725	-0.014622
1	-3.686866	-1.574190	0.773803
6	0.862102	-1.963066	2.790760
1	1.922437	-1.691771	2.717642
1	0.283742	-1.029617	2.818235
1	0.717452	-2.474597	3.749100
6	-1.056432	-3.230448	1.800346
1	-1.711229	-2.354477	1.689693
1	-1.370914	-3.978438	1.063969
1	-1.229552	-3.658782	2.794221
6	2.958780	-1.347446	-1.473729
1	4.051876	-1.285789	-1.519479

1	2.629847	-1.923548	-2.348448
1	2.555035	-0.336749	-1.576212
6	3.081308	-3.421927	-0.069180
1	2.644157	-4.088154	-0.822821
1	4.163429	-3.412049	-0.244229
1	2.918564	-3.877256	0.911566
1	0.620680	1.213753	-0.933698
1	0.312112	0.711272	-1.851515
27	-0.522126	-0.097108	-0.569231

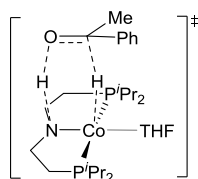


SBP-Co-1_s

27	-0.049148	-0.240817	-0.079572
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15	2.072506	-0.496618	0.060364
7	-0.071163	-0.703510	2.131968
6	-3.668834	0.508917	-0.239461
6	-2.835729	-2.185643	-0.796994
6	-2.451614	-0.925012	1.859456
1	-3.436767	-0.564933	2.180183
1	-2.446683	-2.006163	2.038688
6	-1.343919	-0.302239	2.704608
1	-1.392407	0.796738	2.674152
1	-1.458664	-0.596101	3.764656
6	1.181039	-0.284175	2.738527
1	1.276149	-0.589949	3.796819
1	1.208722	0.815864	2.725329
6	2.322061	-0.864283	1.909387
1	2.340099	-1.953760	2.045497
1	3.287988	-0.495421	2.274722
6	2.996097	-1.959956	-0.663721
6	3.351595	0.900123	-0.046348
1	-0.027611	-1.720844	-0.270259
1	-0.061390	-1.713826	2.016435
1	-3.934151	-2.105419	-0.792582
1	-4.513630	-0.029113	0.219656
1	3.954319	-2.028679	-0.126490
1	3.076346	1.512783	0.828245

6	0.198523	2.808358	0.854428
8	-0.117379	1.851925	-0.159637
6	-0.388287	2.507473	-1.414113
6	0.015934	3.956324	-1.201978
6	-0.233325	4.148937	0.290336
1	-0.328932	2.517729	1.771468
1	1.282613	2.776563	1.055145
1	0.167609	1.973085	-2.191685
1	-1.459895	2.395865	-1.633224
1	1.079484	4.095286	-1.429379
1	-0.553952	4.645048	-1.829894
1	0.320595	4.986053	0.722546
1	-1.299542	4.316525	0.482087
6	-2.435497	-3.464611	-0.072116
1	-2.678178	-4.338216	-0.687553
1	-1.352096	-3.483911	0.105940
1	-2.945857	-3.595746	0.886185
6	-2.339425	-2.252578	-2.239834
1	-1.247443	-2.349487	-2.248371
1	-2.776368	-3.115115	-2.758878
1	-2.575911	-1.352114	-2.813372
6	-3.997367	0.747722	-1.705782
1	-4.336928	-0.165005	-2.204754
1	-4.792484	1.495290	-1.814186
1	-3.120577	1.109721	-2.257469
6	-3.485642	1.824388	0.506254
1	-3.277439	1.674575	1.571650
1	-2.653568	2.402544	0.091231
1	-4.386373	2.445297	0.432988
6	4.807562	0.483853	0.121363
1	5.165312	-0.080787	-0.746607
1	5.455562	1.363343	0.217459
1	4.972958	-0.139671	1.006192
6	3.165786	1.761204	-1.287052
1	2.121653	2.059555	-1.401459
1	3.785835	2.665633	-1.238960
1	3.445169	1.223190	-2.199125
6	2.237288	-3.266205	-0.468627
1	1.311348	-3.262842	-1.052681
1	2.849561	-4.112862	-0.800698
1	1.957635	-3.450586	0.574667
6	3.265751	-1.745065	-2.148609
1	3.919993	-0.889220	-2.340640

1	3.743200	-2.628404	-2.589253
1	2.323629	-1.566674	-2.681219

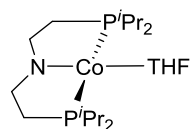


SBP-Co-TS1_s

27	-0.418516	0.251670	-0.165365
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15	-2.567380	-0.238342	-0.332119
7	-0.295498	-0.147620	-2.138611
6	1.454940	3.472922	-0.584161
6	2.950086	1.132546	0.403220
6	1.801087	1.131685	-2.182311
1	2.341576	1.936681	-2.695909
1	2.478886	0.270068	-2.120512
6	0.549301	0.760040	-2.941230
1	-0.051908	1.653557	-3.151903
1	0.782035	0.287945	-3.909105
6	-1.575920	-0.372783	-2.848884
1	-1.380732	-0.925892	-3.779837
1	-1.974528	0.610034	-3.127357
6	-2.542934	-1.117708	-1.956299
1	-2.140931	-2.122911	-1.776352
1	-3.525729	-1.222610	-2.432166
6	-3.173115	-1.542593	0.873257
6	-4.028072	0.954323	-0.472694
1	-4.048212	1.435511	0.517290
1	0.215326	-1.209233	0.041488
1	0.160002	-1.080059	-2.109387
1	3.070528	0.100201	0.048763
1	2.461239	3.700810	-0.964914
1	-2.224337	-2.036606	1.127336
6	3.066889	-2.185312	-1.473409
6	4.408950	-1.886560	-1.269279
6	4.951296	-1.927056	0.014835
6	4.132810	-2.282113	1.089464
6	2.790205	-2.576596	0.885407
6	2.224050	-2.515362	-0.399284

6	0.796642	-2.829614	-0.701108
1	2.630293	-2.179985	-2.469207
1	5.039143	-1.626282	-2.116883
1	6.000320	-1.694674	0.178000
1	4.547121	-2.330769	2.094079
1	2.171056	-2.851166	1.736888
8	0.405437	-2.797672	-1.897622
6	0.017511	-3.661986	0.293909
1	0.130372	-3.335857	1.331579
1	-1.042483	-3.634411	0.030828
1	0.348749	-4.708269	0.234388
6	-0.184953	-0.720993	2.788210
8	-0.551256	0.351794	1.896530
6	-0.681615	1.585409	2.613002
6	-0.887038	1.168906	4.054598
6	0.003928	-0.067181	4.148020
1	-1.003523	-1.453694	2.786157
1	0.709558	-1.207295	2.382438
1	0.238752	2.173911	2.480182
1	-1.511845	2.134598	2.154583
1	-0.613378	1.954204	4.763228
1	-1.935280	0.903198	4.233670
1	1.048820	0.233596	4.285933
1	-0.262707	-0.733786	4.971546
6	4.170573	1.930901	-0.033110
1	4.148799	2.956204	0.355695
1	5.086215	1.460889	0.345969
1	4.264243	1.989484	-1.123004
6	2.851672	1.056047	1.919627
1	2.033240	0.398502	2.221095
1	3.777188	0.643953	2.340288
1	2.692569	2.036323	2.386550
6	0.427066	3.982753	-1.584247
1	0.640712	3.654713	-2.606510
1	-0.577153	3.620656	-1.320741
1	0.398450	5.078623	-1.593366
6	1.267233	4.164996	0.757397
1	1.990366	3.833066	1.509948
1	1.376507	5.251091	0.655775
1	0.261253	3.976839	1.151129
6	-3.719655	-0.900909	2.143704
1	-3.843197	-1.647253	2.937442
1	-3.052274	-0.118079	2.519429

1	-4.702109	-0.444215	1.979744
6	-4.108920	-2.622456	0.339932
1	-3.698550	-3.126601	-0.539552
1	-4.269223	-3.391023	1.105891
1	-5.093180	-2.231866	0.066691
6	-5.398993	0.348535	-0.747709
1	-5.757925	-0.276073	0.074161
1	-6.146152	1.135874	-0.906349
1	-5.391407	-0.269561	-1.653593
6	-3.709365	2.030941	-1.504893
1	-2.680850	2.400114	-1.398624
1	-3.822620	1.640876	-2.523895
1	-4.395201	2.880147	-1.411564

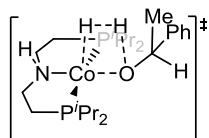


SBP-Co-2_s

27	0.029726	-0.130651	-0.570194
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15	2.088386	-0.644703	-0.168439
7	-0.075363	-1.797228	-1.472021
6	-2.278067	-1.541237	1.381091
6	-3.602909	0.660499	-0.044530
6	-2.503750	-1.611080	-1.491119
1	-3.456866	-2.137524	-1.355889
1	-2.561173	-1.028221	-2.416170
6	-1.317291	-2.549626	-1.549825
1	-1.402943	-3.290114	-0.719729
1	-1.333840	-3.158283	-2.472326
6	1.005642	-2.764303	-1.375994
1	0.968031	-3.458844	-2.235255
1	0.889526	-3.418825	-0.480444
6	2.351080	-2.066982	-1.310199
1	2.614069	-1.665684	-2.294655
1	3.155284	-2.743325	-0.993267
6	3.583106	0.431943	-0.504056
6	2.460841	-1.467871	1.479698
1	-4.391598	0.070781	0.447713
1	-1.357296	-2.143041	1.342976
1	4.467894	-0.222415	-0.483104

1	1.882771	-2.400213	1.382545
6	0.148161	2.401649	1.137495
8	0.312071	1.869671	-0.191591
6	-0.138552	2.838399	-1.144434
6	0.255197	4.156976	-0.513331
6	-0.058071	3.908794	0.964032
1	-0.702459	1.898385	1.615051
1	1.053330	2.131936	1.693801
1	0.353256	2.603290	-2.092368
1	-1.227765	2.745721	-1.287699
1	1.326991	4.330485	-0.661379
1	-0.286232	5.010083	-0.929092
1	0.575439	4.494920	1.633947
1	-1.097410	4.176903	1.182187
6	-3.362789	1.924666	0.773951
1	-2.633581	2.572146	0.273045
1	-4.288974	2.502327	0.877704
1	-2.982492	1.723475	1.779567
6	-4.081536	1.039507	-1.441430
1	-4.900452	1.766035	-1.386296
1	-3.271221	1.504119	-2.019606
1	-4.437330	0.177487	-2.011083
6	-2.252337	-0.730137	2.670194
1	-3.200892	-0.202638	2.828140
1	-2.100872	-1.380174	3.539486
1	-1.446032	0.013495	2.665415
6	-3.477375	-2.480987	1.360377
1	-3.539276	-3.045527	2.298647
1	-4.423622	-1.935752	1.255440
1	-3.421730	-3.208768	0.546184
6	3.458055	1.053935	-1.890267
1	2.575011	1.702652	-1.936381
1	4.337323	1.665861	-2.123179
1	3.352342	0.307954	-2.682504
6	3.758935	1.531135	0.536865
1	4.637217	2.145417	0.306494
1	2.888369	2.197193	0.540998
1	3.888897	1.142651	1.551413
6	3.921438	-1.834796	1.705377
1	4.543556	-0.944940	1.856133
1	4.034369	-2.458318	2.599929
1	4.345946	-2.392646	0.863740
6	1.869900	-0.698129	2.653538

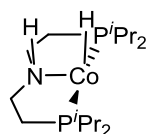
1	0.820214	-0.449200	2.454575
1	1.922255	-1.284813	3.578270
1	2.404254	0.242070	2.838580



SBP-Co-TS2s

27	0.030147	-0.045167	-0.726508
15	-2.036018	-0.415153	-0.060500
15	2.031893	-0.650535	-0.097002
7	-0.115480	-1.864805	-1.602677
6	-2.243450	-1.585462	1.408815
6	-3.571685	0.669276	0.077098
6	-2.530313	-1.542851	-1.451718
1	-3.496407	-2.043630	-1.306818
1	-2.604787	-0.920636	-2.348822
6	-1.400810	-2.540002	-1.610567
1	-1.437732	-3.271071	-0.776010
1	-1.526246	-3.137598	-2.530562
6	0.966221	-2.799663	-1.368835
1	1.005856	-3.560263	-2.168710
1	0.761855	-3.363646	-0.432174
6	2.296985	-2.086557	-1.239139
1	2.606297	-1.685471	-2.210499
1	3.082398	-2.773243	-0.898129
6	3.555228	0.381701	-0.466497
6	2.445256	-1.480561	1.548000
1	-4.358284	0.064704	0.554651
1	-1.320556	-2.181765	1.346147
1	4.420160	-0.299026	-0.445642
1	1.857459	-2.408982	1.463046
6	0.202899	2.356381	1.103587
8	0.330176	1.914908	-0.263117
6	-0.176883	2.936976	-1.132102
6	0.247502	4.212442	-0.439005
6	0.003534	3.872045	1.034215
1	-0.639129	1.825350	1.566058
1	1.117415	2.040159	1.617548
1	0.260116	2.753228	-2.115954

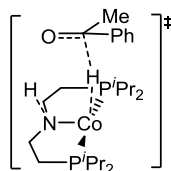
1	-1.271706	2.841998	-1.216375
1	1.311631	4.395810	-0.625544
1	-0.310987	5.089998	-0.772899
1	0.673644	4.411343	1.708214
1	-1.021719	4.131908	1.319405
6	-3.323960	1.906809	0.934516
1	-2.611978	2.576813	0.438104
1	-4.252750	2.472080	1.076035
1	-2.920363	1.678001	1.925336
6	-4.054169	1.102349	-1.303183
1	-4.830638	1.871389	-1.217977
1	-3.227324	1.530569	-1.886699
1	-4.470938	0.275137	-1.882572
6	-2.213140	-0.819584	2.724661
1	-3.164670	-0.305166	2.904914
1	-2.048575	-1.494684	3.572059
1	-1.414157	-0.067938	2.737009
6	-3.439021	-2.528039	1.361563
1	-3.494724	-3.129744	2.276638
1	-4.386643	-1.980926	1.282904
1	-3.388521	-3.225189	0.520072
6	3.437747	0.997771	-1.856227
1	2.570656	1.666485	-1.903961
1	4.335319	1.580058	-2.096592
1	3.304287	0.251013	-2.643440
6	3.777749	1.485692	0.560591
1	4.692037	2.046449	0.333315
1	2.948198	2.201679	0.539481
1	3.871890	1.109833	1.583882
6	3.906329	-1.857979	1.752279
1	4.535996	-0.971882	1.892406
1	4.030990	-2.481754	2.645352
1	4.315527	-2.418650	0.904697
6	1.882571	-0.706531	2.732886
1	0.838889	-0.423034	2.548503
1	1.922269	-1.302221	3.652278
1	2.446597	0.214922	2.924181
1	0.065879	0.275132	-2.450817
1	0.026804	-0.763620	-2.325754



SH-Co-1_T

6	-1.125996	0.289108	2.579833
6	1.319802	0.106825	2.514128
6	-2.328856	0.740155	1.765728
1	-2.377880	1.834906	1.751270
1	-3.260007	0.383530	2.224777
6	-2.853530	-1.578403	0.167117
6	2.543063	0.358670	1.641585
1	3.398133	-0.220055	2.013574
1	2.830784	1.416070	1.700802
15	-2.143288	0.159244	0.007387
15	2.178002	-0.010932	-0.151089
6	3.497905	0.972955	-1.043360
6	2.813012	-1.765826	-0.333788
6	-3.482884	1.118287	-0.871702
1	-4.432518	0.930382	-0.348420
1	3.330643	0.719255	-2.100028
1	3.859351	-1.790218	0.002083
1	-2.375741	-1.930179	1.096185
1	0.187331	1.690485	1.857139
1	-1.185845	0.668325	3.614529
1	-1.111340	-0.808877	2.651147
1	1.136178	-0.971662	2.602553
1	1.492707	0.479629	3.538544
1	0.046606	2.040814	-0.596588
27	0.020705	0.437841	-0.320537
7	0.115972	0.677313	1.912383
6	3.242081	2.467065	-0.882683
1	3.880886	3.039294	-1.564108
1	2.193531	2.714900	-1.074235
1	3.482698	2.802567	0.133847
6	2.746015	-2.178787	-1.798840
1	3.080552	-3.213830	-1.930261
1	1.716007	-2.112730	-2.171484
1	3.368962	-1.546837	-2.440084
6	-2.369420	-2.489439	-0.955539
1	-1.281761	-2.423674	-1.076237
1	-2.631244	-3.534246	-0.753375

1	-2.819261	-2.223305	-1.918270
6	-3.183811	2.612397	-0.842486
1	-2.186874	2.815991	-1.247344
1	-3.926027	3.156551	-1.437613
1	-3.213279	3.024996	0.170387
6	4.932518	0.614790	-0.674191
1	5.636770	1.260075	-1.211690
1	5.118164	0.763218	0.396599
1	5.191763	-0.419745	-0.917622
6	2.006127	-2.720902	0.537523
1	2.191042	-2.560043	1.604430
1	0.926700	-2.598143	0.364567
1	2.264925	-3.762495	0.316297
6	-4.363092	-1.655026	0.349747
1	-4.892052	-1.361677	-0.563964
1	-4.676918	-2.677974	0.587129
1	-4.720786	-1.008053	1.158368
6	-3.600579	0.627023	-2.310366
1	-3.917338	-0.418874	-2.372497
1	-4.332269	1.224999	-2.864867
1	-2.638270	0.715717	-2.828408

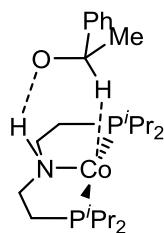


SH-Co-TS1_t

27	0.569883	0.349638	-0.261554
15	-1.243637	1.617587	-0.084450
15	2.651118	-0.380881	-0.022092
7	0.418928	0.107488	1.908650
6	-1.169158	3.474435	-0.286346
6	-2.844663	1.109202	-0.880295
6	-1.663135	1.420644	1.719684
1	-2.187296	2.297329	2.121584
1	-2.364429	0.577670	1.769679
6	-0.427106	1.112380	2.555614
1	0.186970	2.015926	2.673977
1	-0.725667	0.804852	3.572587
6	1.710198	-0.068831	2.583572

1	1.584390	-0.509507	3.586327
1	2.139616	0.930311	2.730885
6	2.636223	-0.943238	1.746453
1	2.222910	-1.959743	1.729317
1	3.639793	-0.986165	2.189565
6	3.251488	-1.904516	-0.918614
6	4.095476	0.803728	-0.108379
1	-0.168792	-1.148419	-0.544589
1	-0.044259	-0.816301	1.898165
1	-3.055482	0.173010	-0.348873
1	-2.105136	3.886976	0.118947
1	2.723016	-2.701507	-0.377953
1	5.008425	0.239617	0.128870
6	-0.656812	-2.596404	0.292280
6	-2.663447	0.750195	-2.349855
1	-3.562575	0.251188	-2.729787
1	-2.486073	1.630145	-2.978004
1	-1.817074	0.066036	-2.479052
6	-4.014030	2.054513	-0.644961
1	-4.945588	1.602156	-1.004442
1	-4.152513	2.283839	0.417655
1	-3.890053	3.004604	-1.178345
6	-1.047046	3.859352	-1.755255
1	-1.934665	3.589629	-2.334088
1	-0.901638	4.940255	-1.861246
1	-0.185661	3.362112	-2.219080
6	0.002687	4.036217	0.508230
1	-0.090518	3.849581	1.582741
1	0.946108	3.585090	0.171212
1	0.084376	5.119932	0.368350
6	3.943608	1.922747	0.913923
1	2.964230	2.412857	0.824530
1	4.042744	1.559646	1.940882
1	4.710913	2.690098	0.762348
6	4.210300	1.372369	-1.517728
1	5.040929	2.083841	-1.585851
1	4.378439	0.595458	-2.270448
1	3.290131	1.903423	-1.794961
6	2.755421	-1.918015	-2.360012
1	3.254133	-1.154155	-2.967507
1	2.951766	-2.888346	-2.830555
1	1.677986	-1.725905	-2.402376
6	4.745596	-2.181431	-0.822268

1	5.104719	-2.182515	0.212347
1	4.980203	-3.161373	-1.252411
1	5.331665	-1.440659	-1.378435
6	-2.130178	-2.298056	0.172093
6	-2.843720	-1.970145	1.331479
6	-2.836485	-2.399893	-1.033247
6	-4.211693	-1.714986	1.283780
1	-2.295618	-1.935837	2.270444
6	-4.205492	-2.160481	-1.081713
1	-2.306599	-2.648472	-1.949356
6	-4.900101	-1.808051	0.075531
1	-4.746204	-1.456156	2.195055
1	-4.733523	-2.243184	-2.028932
1	-5.969180	-1.616179	0.036405
8	-0.138526	-2.592515	1.439723
6	-0.087829	-3.535514	-0.755750
1	-0.523098	-4.532741	-0.608011
1	-0.286620	-3.227211	-1.784286
1	0.990852	-3.621632	-0.620812

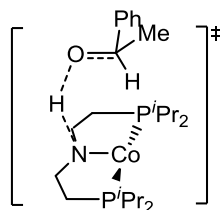


SH-Co-2_T

27	0.565226	0.381528	-0.222183
15	-1.319930	1.568289	-0.037881
15	2.664254	-0.359100	-0.043729
7	0.462023	0.158391	1.896999
6	-1.120558	3.414229	-0.225477
6	-2.957587	1.150756	-0.805538
6	-1.698711	1.349233	1.768649
1	-2.250800	2.203571	2.179937
1	-2.368577	0.480776	1.813829
6	-0.444230	1.072703	2.591086
1	0.098465	2.009335	2.784716
1	-0.730904	0.677893	3.580270
6	1.771055	0.067005	2.550457
1	1.677441	-0.323545	3.577415

1	2.187669	1.080988	2.633878
6	2.684951	-0.846536	1.741367
1	2.243091	-1.852621	1.768941
1	3.696298	-0.885673	2.165069
6	3.186724	-1.922089	-0.914713
6	4.103438	0.808283	-0.241376
1	-0.096396	-1.488000	-0.312027
1	0.071283	-0.844351	1.891982
1	-3.183696	0.194632	-0.317437
1	-1.962822	3.887680	0.300482
1	2.663484	-2.686057	-0.325066
1	5.016525	0.240423	-0.013227
6	-0.533948	-2.397370	0.323934
6	-2.850319	0.874679	-2.300235
1	-3.767669	0.393968	-2.657408
1	-2.706676	1.787968	-2.886916
1	-2.016348	0.199298	-2.518249
6	-4.081183	2.122702	-0.471048
1	-5.037684	1.728128	-0.832196
1	-4.183690	2.283818	0.607268
1	-3.934769	3.100914	-0.943978
6	-1.141868	3.839282	-1.688508
1	-2.119814	3.695079	-2.154429
1	-0.888573	4.901313	-1.780641
1	-0.405657	3.274129	-2.273938
6	0.185979	3.856610	0.425127
1	0.243635	3.593087	1.485407
1	1.041319	3.386796	-0.080265
1	0.312786	4.941899	0.344593
6	4.006422	1.970545	0.738924
1	3.043595	2.490671	0.651596
1	4.114437	1.643794	1.776983
1	4.794841	2.705100	0.541349
6	4.173010	1.306917	-1.679551
1	5.007050	2.005081	-1.810767
1	4.309491	0.491089	-2.396466
1	3.249436	1.832855	-1.953990
6	2.630720	-1.979366	-2.332916
1	3.111575	-1.246793	-2.991184
1	2.792121	-2.970300	-2.771552
1	1.553734	-1.777287	-2.341649
6	4.678424	-2.223105	-0.865184
1	5.074157	-2.199183	0.155613

1	4.878626	-3.220448	-1.271123
1	5.257230	-1.511444	-1.465471
6	-2.051387	-2.239397	0.128684
6	-2.855355	-2.044683	1.253598
6	-2.668656	-2.302778	-1.125578
6	-4.235432	-1.888878	1.131468
1	-2.352617	-2.028868	2.218877
6	-4.048896	-2.167556	-1.252904
1	-2.059704	-2.448810	-2.017580
6	-4.838699	-1.949163	-0.123823
1	-4.845271	-1.730521	2.018723
1	-4.510394	-2.224016	-2.236767
1	-5.915411	-1.835726	-0.222607
8	-0.137420	-2.372043	1.589379
6	-0.045129	-3.642296	-0.437817
1	-0.536594	-4.526672	-0.019266
1	-0.248516	-3.612766	-1.514777
1	1.030945	-3.767043	-0.290660

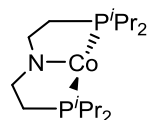


SH-Co-TS1_T-b

27	0.570938	0.453457	-0.204041
15	-1.363046	1.559476	0.012418
15	2.658255	-0.322634	-0.104561
7	0.541078	0.259738	1.879587
6	-1.140616	3.410541	-0.124385
6	-3.019241	1.149538	-0.718116
6	-1.678363	1.270952	1.817488
1	-2.331841	2.034853	2.255980
1	-2.213924	0.311883	1.855920
6	-0.377455	1.134068	2.598245
1	0.085403	2.121757	2.758895
1	-0.597241	0.738337	3.605545
6	1.857793	0.194037	2.504439
1	1.790180	-0.173641	3.543453
1	2.294955	1.204963	2.560440

6	2.748845	-0.747360	1.698253
1	2.325212	-1.756929	1.789129
1	3.777309	-0.768591	2.079576
6	3.051461	-1.940935	-0.944838
6	4.149064	0.752100	-0.399693
1	0.023785	-1.582424	-0.080181
1	0.097190	-0.835626	1.943294
1	-3.185717	0.147754	-0.302895
1	-1.857908	3.880603	0.564403
1	2.482797	-2.651727	-0.330963
1	5.034097	0.151000	-0.145646
6	-0.522731	-2.348808	0.600635
6	-2.983602	0.995554	-2.233991
1	-3.911530	0.526684	-2.579499
1	-2.884615	1.953291	-2.753428
1	-2.154279	0.352346	-2.546834
6	-4.160360	2.041304	-0.244993
1	-5.116778	1.652044	-0.612264
1	-4.225993	2.083138	0.846837
1	-4.065745	3.069235	-0.613583
6	-1.397067	3.922082	-1.537356
1	-2.442960	3.828106	-1.839202
1	-1.127935	4.981765	-1.610624
1	-0.787675	3.379619	-2.270810
6	0.281042	3.775903	0.296709
1	0.532316	3.435796	1.305696
1	1.004906	3.319282	-0.393067
1	0.431203	4.860868	0.260517
6	4.120113	1.975329	0.508707
1	3.197815	2.552701	0.368046
1	4.185711	1.707763	1.567119
1	4.961502	2.639171	0.282527
6	4.229332	1.163540	-1.864472
1	5.086580	1.824121	-2.034924
1	4.337535	0.305198	-2.534744
1	3.325164	1.706308	-2.167399
6	2.467991	-1.997895	-2.352038
1	2.979364	-1.314880	-3.039508
1	2.559534	-3.007951	-2.766630
1	1.405424	-1.727664	-2.347315
6	4.518958	-2.342786	-0.905409
1	4.931203	-2.304195	0.108339
1	4.646582	-3.366567	-1.273325

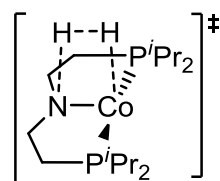
1	5.133964	-1.695750	-1.541175
6	-1.987122	-2.253751	0.165634
6	-2.984689	-2.137432	1.135540
6	-2.364572	-2.304074	-1.180190
6	-4.328265	-2.059645	0.771183
1	-2.663516	-2.106703	2.174107
6	-3.704999	-2.237496	-1.549287
1	-1.593799	-2.384981	-1.948163
6	-4.693574	-2.107894	-0.572908
1	-5.094066	-1.962127	1.537553
1	-3.981037	-2.271865	-2.600994
1	-5.740373	-2.047384	-0.860313
8	-0.316212	-2.091500	1.906408
6	0.036891	-3.719399	0.188682
1	-0.543618	-4.506804	0.680186
1	0.005722	-3.894242	-0.893919
1	1.070791	-3.815465	0.535666



SH-Co-2_T

6	1.089530	-0.102958	2.557250
6	-1.284900	0.082098	2.475504
6	2.311612	-0.657491	1.832023
1	2.306412	-1.750937	1.893186
1	3.252959	-0.304757	2.273241
6	2.771314	1.549972	0.043424
6	-2.537145	-0.247826	1.663560
1	-3.408668	0.332250	1.993665
1	-2.786785	-1.308110	1.793800
15	2.167525	-0.217463	0.043453
15	-2.208060	-0.022617	-0.146803
6	-3.438418	-1.167599	-0.956418
6	-2.890162	1.670511	-0.510377
6	3.518595	-1.219301	-0.758575
1	4.450031	-1.034550	-0.202512
1	-3.373755	-0.922522	-2.026075
1	-3.938737	1.683107	-0.178827
1	2.237805	1.959885	0.914958

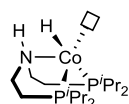
1	0.985685	-0.609190	3.537636
1	1.270996	0.966095	2.811386
1	-1.296778	1.158401	2.753355
1	-1.334082	-0.454511	3.444317
27	-0.024888	-0.301477	-0.175091
7	-0.091373	-0.269324	1.746901
6	-2.978425	-2.610871	-0.781286
1	-3.632777	-3.297169	-1.329737
1	-1.952750	-2.753317	-1.136762
1	-3.000923	-2.913152	0.272127
6	-2.833952	1.967159	-2.003332
1	-3.202533	2.977172	-2.213383
1	-1.802384	1.907782	-2.372306
1	-3.436301	1.268603	-2.593159
6	2.288298	2.314321	-1.184739
1	1.208197	2.187878	-1.328267
1	2.495249	3.385894	-1.084858
1	2.781647	1.972388	-2.101170
6	3.176326	-2.703037	-0.674244
1	2.219389	-2.909500	-1.168151
1	3.945513	-3.302862	-1.173004
1	3.096688	-3.060929	0.355966
6	-4.878064	-0.980445	-0.495455
1	-5.544868	-1.676552	-1.016800
1	-4.981078	-1.178734	0.577495
1	-5.252349	0.030480	-0.684109
6	-2.116357	2.713905	0.288033
1	-2.228741	2.570462	1.366813
1	-1.042756	2.662868	0.064458
1	-2.464721	3.724476	0.046809
6	4.267040	1.716301	0.275026
1	4.850093	1.349715	-0.577219
1	4.523739	2.773201	0.408499
1	4.612652	1.181645	1.166125
6	3.713820	-0.804132	-2.212298
1	4.080213	0.221936	-2.311927
1	4.438250	-1.460328	-2.707298
1	2.770405	-0.874408	-2.767445



SH-Co-TS₂T

6	1.092446	-0.344095	2.556185
6	-1.312196	-0.264526	2.506972
6	2.321771	-0.766227	1.758488
1	2.373402	-1.860122	1.723889
1	3.248611	-0.410250	2.226046
6	2.784030	1.579557	0.161331
6	-2.539565	-0.477888	1.621380
1	-3.415164	0.044931	2.026857
1	-2.788704	-1.546258	1.593524
15	2.159651	-0.176728	0.007004
15	-2.200799	0.008510	-0.141056
6	-3.535323	-0.889213	-1.087438
6	-2.745250	1.789755	-0.230635
6	3.508824	-1.119550	-0.869044
1	4.440470	-0.978678	-0.300490
1	-3.403217	-0.539670	-2.121065
1	-3.749563	1.856881	0.212638
1	2.250392	1.924057	1.061665
1	1.131978	-0.816617	3.557518
1	1.140056	0.751907	2.754044
1	-1.248486	0.806746	2.793746
1	-1.466679	-0.802893	3.463427
27	-0.027250	-0.401056	-0.296985
7	-0.107772	-0.672927	1.837589
6	-3.273083	-2.391179	-1.070873
1	-3.967379	-2.908418	-1.741771
1	-2.249586	-2.629062	-1.374430
1	-3.421026	-2.811694	-0.069716
6	-2.803833	2.252278	-1.681175
1	-3.060684	3.315581	-1.738815
1	-1.829395	2.121145	-2.168810
1	-3.545808	1.702529	-2.269062
6	2.331870	2.455850	-1.001885
1	1.256834	2.350245	-1.188569
1	2.542273	3.511782	-0.798578
1	2.848722	2.195672	-1.931778

6	3.165335	-2.605710	-0.899389
1	2.207196	-2.774721	-1.402925
1	3.938184	-3.162626	-1.440450
1	3.084975	-3.041736	0.100029
6	-4.954481	-0.564846	-0.637982
1	-5.685172	-1.113389	-1.243049
1	-5.117648	-0.856897	0.405711
1	-5.191247	0.499936	-0.727115
6	-1.796618	2.667166	0.578793
1	-1.817788	2.427320	1.645573
1	-0.760168	2.541426	0.237550
1	-2.058919	3.725420	0.468971
6	4.280454	1.701547	0.416336
1	4.862208	1.394122	-0.459774
1	4.553842	2.739423	0.635864
1	4.611153	1.090693	1.262669
6	3.701757	-0.593180	-2.286426
1	4.060252	0.440139	-2.307705
1	4.431428	-1.204654	-2.828719
1	2.759452	-0.629147	-2.846164
1	-0.097775	-2.155539	0.021385
1	-0.116479	-1.713762	0.926306

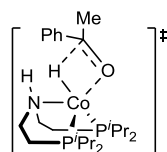


Bent-Co-1s

27	-0.018775	0.916605	0.517600
15	-1.965118	-0.007928	0.148646
15	1.793190	0.039362	-0.026823
7	-0.369870	1.957865	-1.277198
6	-2.777630	-1.483351	-0.689230
6	-2.816718	0.147555	1.802890
1	-3.858569	0.467110	1.645759
6	-2.741498	1.432145	-0.762402
1	-3.717902	1.203077	-1.213086
1	-2.919655	2.198934	0.001344
6	-1.765030	1.967625	-1.801434
1	-1.797672	1.343364	-2.703072
1	-2.041732	2.979847	-2.119846
6	0.575051	1.310679	-2.219307

1	0.661022	1.897751	-3.149963
1	0.115927	0.350705	-2.493738
6	1.943458	1.057256	-1.606425
1	2.407121	2.011727	-1.329497
1	2.594816	0.597673	-2.363441
6	3.531548	0.306040	0.645625
6	1.872456	-1.702479	-0.742775
1	0.881618	2.063539	0.945061
1	-0.060969	2.909973	-1.109333
1	4.230856	0.137426	-0.188624
1	-3.824069	-1.510963	-0.346976
1	1.066803	-1.656882	-1.496227
6	-2.033068	1.243329	2.529097
1	-2.329880	1.325984	3.581674
1	-0.949165	0.998411	2.523115
1	-2.160763	2.228022	2.070576
6	-2.815865	-1.144204	2.606546
1	-3.236504	-0.972758	3.603926
1	-3.410298	-1.930806	2.131488
1	-1.795245	-1.522703	2.740406
6	-2.074523	-2.781075	-0.311146
1	-1.964870	-2.920332	0.766962
1	-2.617387	-3.645561	-0.709880
1	-1.066550	-2.795160	-0.739347
6	-2.754367	-1.331889	-2.205936
1	-3.144797	-2.234640	-2.688812
1	-3.346743	-0.485898	-2.565934
1	-1.723744	-1.199429	-2.563408
6	1.470038	-2.753335	0.287308
1	1.223757	-3.706914	-0.196120
1	2.280065	-2.953932	0.996004
1	0.601282	-2.424470	0.868066
6	3.168896	-2.083194	-1.445830
1	3.999005	-2.165517	-0.735148
1	3.074846	-3.057751	-1.939411
1	3.464106	-1.357932	-2.211232
6	3.842518	-0.681056	1.764178
1	3.911539	-1.713562	1.410682
1	4.797276	-0.435800	2.243942
1	3.064006	-0.646563	2.536187
6	3.708349	1.729854	1.156089
1	3.027133	1.925528	1.990319
1	4.735652	1.882688	1.508020

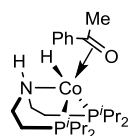
1 3.502906 2.487519 0.393942



Bent-Co-TS1s

27 0.101595 -0.192334 0.642428
 15 -1.827621 -0.809836 -0.216526
 15 0.250689 1.852909 0.089393
 7 -1.923777 1.119439 2.234987
 6 -2.056801 -0.801129 -2.072756
 6 -2.351506 -2.487436 0.433916
 6 -3.238672 0.261845 0.338543
 1 -3.173137 1.209918 -0.210505
 1 -4.206490 -0.174645 0.065032
 6 -3.189589 0.524337 1.843337
 1 -4.068375 1.132441 2.132699
 1 -3.283614 -0.428301 2.379821
 6 -1.758035 2.530178 1.914880
 1 -2.100677 3.191318 2.729365
 1 -2.411053 2.760766 1.061505
 6 -0.316456 2.866389 1.542790
 1 0.351003 2.609748 2.375348
 1 -0.214073 3.944902 1.366227
 6 2.012618 2.459751 -0.113996
 1 2.409763 2.231800 0.888655
 6 -0.752756 2.620035 -1.307798
 1 1.277537 0.325969 1.426680
 1 -1.720683 0.941146 3.208984
 1 -1.948204 -2.454078 1.454469
 1 -2.066895 0.278607 -2.287518
 1 -1.705498 2.077605 -1.223222
 6 4.632590 -2.051401 -1.244367
 6 3.344230 -2.554156 -1.440803
 6 2.350845 -2.322323 -0.499312
 6 2.614592 -1.579558 0.660733
 6 3.916352 -1.097757 0.856752
 6 4.912581 -1.327854 -0.089462
 1 5.409544 -2.227948 -1.983172
 1 3.114777 -3.130169 -2.334175

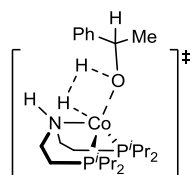
1 1.342645 -2.699228 -0.645847
 1 4.152299 -0.515511 1.744472
 1 5.913008 -0.935642 0.077604
 6 1.502600 -1.301307 1.627595
 8 0.360793 -1.927031 1.431030
 6 1.880434 -1.082957 3.083943
 1 2.643170 -0.313355 3.230076
 1 0.986311 -0.794436 3.641025
 1 2.261650 -2.021112 3.504277
 6 -1.615758 -3.611762 -0.286021
 1 -0.541872 -3.414142 -0.326101
 1 -1.758769 -4.557982 0.247401
 1 -1.991698 -3.756653 -1.305580
 6 -3.847751 -2.771987 0.513133
 1 -4.332776 -2.763810 -0.468233
 1 -4.008131 -3.768941 0.939844
 1 -4.384729 -2.064484 1.152356
 6 -3.353828 -1.392598 -2.610830
 1 -3.447842 -1.194931 -3.684994
 1 -3.378931 -2.479945 -2.483637
 1 -4.242503 -0.978818 -2.122838
 6 -0.835512 -1.388385 -2.777321
 1 -0.811014 -2.479899 -2.696885
 1 -0.849938 -1.139564 -3.844924
 1 0.097252 -1.009661 -2.340497
 6 2.794301 1.610151 -1.113616
 1 3.872268 1.758480 -0.983630
 1 2.584852 0.542365 -0.990867
 1 2.553135 1.884844 -2.145401
 6 2.218424 3.945326 -0.379477
 1 3.279004 4.203901 -0.280471
 1 1.924993 4.213674 -1.400340
 1 1.660188 4.587187 0.309944
 6 -1.077724 4.107734 -1.220822
 1 -0.181012 4.731799 -1.252913
 1 -1.705099 4.403051 -2.070307
 1 -1.627209 4.367904 -0.311097
 6 -0.151525 2.262534 -2.662512
 1 -0.876136 2.425379 -3.468979
 1 0.721922 2.885306 -2.884286
 1 0.170104 1.216223 -2.700258



Bent-Co-3_S

27	0.094554	-0.245648	0.444033
15	-1.780012	-1.023844	-0.184258
15	-0.123242	1.841233	0.092271
7	-2.178700	0.863313	2.375991
6	-2.117574	-1.029971	-2.027943
6	-2.018292	-2.768212	0.460646
6	-3.308172	-0.164735	0.427967
1	-3.378569	0.786434	-0.115358
1	-4.204456	-0.732313	0.148882
6	-3.324165	0.090133	1.933506
1	-4.296198	0.553105	2.197411
1	-3.290271	-0.870890	2.462784
6	-2.162483	2.268390	1.994174
1	-2.556574	2.922180	2.790606
1	-2.850116	2.404448	1.147478
6	-0.766727	2.739139	1.590460
1	-0.059838	2.524406	2.402779
1	-0.764606	3.827317	1.443654
6	1.563349	2.659479	-0.084996
6	-1.218378	2.553281	-1.264592
1	1.523877	0.098995	1.226969
1	-2.044371	0.761169	3.372285
1	1.988926	2.455552	0.912044
1	-1.559160	-2.691133	1.455594
1	-2.294643	0.040716	-2.217375
1	-2.105820	1.906813	-1.203568
6	5.341369	-1.343876	-1.065185
6	4.173866	-2.028680	-1.398491
6	3.055133	-1.951396	-0.575084
6	3.088786	-1.193272	0.597992
6	4.265658	-0.515300	0.928855
6	5.384319	-0.588187	0.103421
1	6.213071	-1.400257	-1.711644
1	4.134967	-2.623805	-2.307525
1	2.128159	-2.461960	-0.823652
1	4.306402	0.094188	1.829709
1	6.290242	-0.050204	0.371797

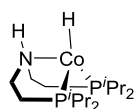
6	1.823646	-1.052351	1.434204
8	0.807571	-1.872345	1.070850
6	2.053524	-1.024620	2.945643
1	2.740536	-0.235235	3.266498
1	1.091720	-0.873522	3.441925
1	2.463467	-1.986799	3.265904
6	-3.451604	-3.263298	0.623818
1	-3.445236	-4.273151	1.050356
1	-4.046147	-2.637351	1.296294
1	-3.986416	-3.323444	-0.329582
6	-1.177354	-3.762553	-0.333890
1	-1.121881	-4.718421	0.198653
1	-1.618435	-3.966939	-1.316703
1	-0.156764	-3.396000	-0.468409
6	-3.346930	-1.796291	-2.499653
1	-3.532268	-1.605217	-3.563173
1	-3.209198	-2.877111	-2.390327
1	-4.255410	-1.518474	-1.955840
6	-0.872432	-1.429294	-2.815530
1	-0.688628	-2.506704	-2.756424
1	-0.987205	-1.173804	-3.875812
1	0.019955	-0.924409	-2.423744
6	1.594019	4.164962	-0.309721
1	2.619270	4.542592	-0.220964
1	1.249826	4.420389	-1.318064
1	0.978036	4.718734	0.405963
6	2.436302	1.936744	-1.108804
1	2.152971	2.203237	-2.132100
1	3.490109	2.209443	-0.981300
1	2.356195	0.847747	-1.017098
6	-1.706393	3.990247	-1.109532
1	-0.887712	4.714991	-1.128706
1	-2.379675	4.245522	-1.936491
1	-2.264271	4.147856	-0.181745
6	-0.591410	2.326900	-2.636149
1	-1.332898	2.461456	-3.432129
1	0.216259	3.043216	-2.823490
1	-0.169376	1.320454	-2.730889



Bent-Co-TS2s

15	1.332657	-1.279410	0.218054
15	0.665897	2.106252	-0.098328
7	1.816233	0.339274	-2.398418
6	1.948689	-1.239080	1.983775
6	0.853968	-3.057575	-0.173693
6	2.924714	-1.092350	-0.727687
1	3.458042	-0.239279	-0.289864
1	3.587109	-1.957012	-0.608971
6	2.655649	-0.835743	-2.209255
1	3.620112	-0.769394	-2.747290
1	2.114914	-1.689466	-2.637010
6	2.486709	1.619703	-2.198004
1	2.961836	1.991759	-3.121473
1	3.307436	1.454573	-1.492086
6	1.535391	2.681346	-1.648327
1	0.754216	2.865404	-2.393835
1	2.064551	3.633607	-1.498825
6	-0.732616	3.365068	0.123502
6	1.822351	2.802731	1.218476
1	1.789379	3.890003	1.047072
1	-3.055272	-1.206257	-2.536237
1	1.352695	0.307510	-3.297639
1	-0.313540	4.168684	0.747845
1	0.203835	-2.914062	-1.048419
1	2.447298	-0.257965	2.011270
6	-4.573595	0.320300	1.707048
6	-3.323181	-0.266721	1.896318
6	-2.646642	-0.837713	0.821199
6	-3.218580	-0.845978	-0.456478
6	-4.469444	-0.256945	-0.632741
6	-5.146689	0.327826	0.438763
1	-5.096515	0.773819	2.545417
1	-2.864747	-0.267106	2.883384
1	-1.649937	-1.254642	0.955197
1	-4.916652	-0.253939	-1.626473
1	-6.118326	0.788659	0.280663

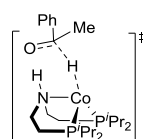
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8	-1.149378	-1.170497	-1.761710
6	-2.624549	-3.030557	-1.513396
1	-3.671045	-3.352343	-1.529107
1	-2.098211	-3.508987	-2.344993
1	-2.180639	-3.379275	-0.575963
1	-1.188754	0.145411	-1.821489
1	-1.065350	1.069831	-1.537415
6	1.992629	-3.995397	-0.562360
1	1.592886	-4.995023	-0.769391
1	2.521500	-3.671094	-1.463035
1	2.734573	-4.104732	0.236689
6	0.007541	-3.694716	0.923895
1	0.606240	-3.944995	1.806460
1	-0.815907	-3.054211	1.252822
1	-0.432847	-4.630828	0.561245
6	2.981822	-2.290480	2.371046
1	3.377022	-2.088970	3.373681
1	2.550061	-3.296379	2.396917
1	3.834088	-2.313412	1.683982
6	0.792742	-1.172869	2.979791
1	0.026922	-0.461707	2.645055
1	0.307517	-2.144619	3.111347
1	1.151271	-0.855278	3.966106
6	3.273559	2.367702	1.087808
1	3.729262	2.716063	0.156474
1	3.869199	2.776551	1.912192
1	3.381330	1.278075	1.127527
6	1.286067	2.523204	2.615662
1	1.930968	2.977297	3.376835
1	0.276601	2.919587	2.760568
1	1.244510	1.446942	2.814501
6	-1.220196	3.984297	-1.178859
1	-1.545326	3.210010	-1.884743
1	-2.088011	4.624566	-0.985804
1	-0.460098	4.598407	-1.670874
6	-1.901924	2.722487	0.862271
1	-1.597885	2.224568	1.789024
1	-2.661718	3.474027	1.110640
1	-2.371520	1.953333	0.239384
27	-0.045729	0.163405	-0.610390



TP-Co-1T

27	-0.246737	-0.868348	-0.757949
15	-2.041305	0.096249	0.126245
15	1.800091	-0.098049	-0.178524
7	-0.048378	-1.864249	1.333420
6	-2.197901	1.911181	0.577172
6	-3.731020	-0.287718	-0.594485
1	-4.460468	-0.168546	0.222128
6	-2.228246	-0.789793	1.758168
1	-2.810211	-0.208972	2.484499
1	-2.802439	-1.704804	1.564133
6	-0.864707	-1.144851	2.321977
1	-0.317466	-0.221330	2.555860
1	-0.962311	-1.704408	3.268223
6	1.364530	-2.012482	1.757569
1	1.552320	-3.018863	2.155066
1	1.536581	-1.321464	2.594331
6	2.324875	-1.690507	0.621306
1	2.240478	-2.452431	-0.158812
1	3.361028	-1.688462	0.982096
6	3.020041	0.155460	-1.578394
6	2.402920	1.159481	1.092550
1	0.383439	-1.957931	-1.776893
1	-0.448119	-2.782759	1.168036
1	3.871434	0.734355	-1.189043
1	-3.262706	2.124634	0.760917
1	1.677897	1.062742	1.917450
6	-3.752820	-1.732080	-1.082564
1	-4.748040	-2.000958	-1.453736
1	-3.034689	-1.873451	-1.898524
1	-3.489526	-2.451417	-0.299356
6	-4.113267	0.653384	-1.729285
1	-5.056813	0.335719	-2.186615
1	-4.246256	1.685469	-1.392115
1	-3.351237	0.648519	-2.518142
6	-1.691745	2.760659	-0.585547
1	-2.274904	2.628762	-1.500060
1	-1.708611	3.825703	-0.327248
1	-0.657115	2.483060	-0.824972

6	-1.402594	2.244401	1.833154
1	-1.436310	3.320969	2.033912
1	-1.775150	1.732342	2.725708
1	-0.346849	1.972101	1.704958
6	2.282918	2.568127	0.523306
1	2.473163	3.323729	1.293701
1	3.014237	2.731391	-0.277297
1	1.288352	2.758334	0.104540
6	3.798207	0.918581	1.655320
1	4.550994	0.862530	0.859680
1	4.096661	1.738160	2.319973
1	3.862223	-0.006927	2.234625
6	2.329005	0.966476	-2.672554
1	1.954778	1.929209	-2.308030
1	3.015266	1.165761	-3.503823
1	1.471001	0.406502	-3.062908
6	3.536348	-1.162230	-2.142182
1	2.696566	-1.808992	-2.422670
1	4.138206	-0.980672	-3.039894
1	4.164103	-1.704007	-1.427883

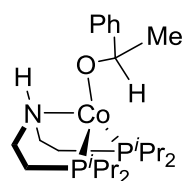


TP-Co-TS1T-a

27	-0.234980	-0.235956	-0.323048
15	-2.355394	-0.970352	-0.101280
15	0.304802	1.926818	-0.091265
7	-0.161858	-0.294945	1.882515
6	-3.980142	-0.033704	0.115875
6	-2.998961	-2.406939	-1.119689
1	-3.826008	-2.843916	-0.537889
6	-2.076566	-1.812376	1.533420
1	-3.004503	-2.200715	1.975452
1	-1.427382	-2.670933	1.319472
6	-1.341843	-0.908948	2.513748
1	-1.996921	-0.100650	2.856856
1	-1.056462	-1.483789	3.407401
6	0.230127	0.977677	2.498480
1	0.716726	0.833508	3.477177
1	-0.689658	1.550046	2.691469

6	1.134989	1.767370	1.564284
1	2.061079	1.202394	1.396325
1	1.420619	2.729149	2.007694
6	1.586490	2.763529	-1.170597
6	-0.951841	3.293154	0.175219
1	0.561164	-1.710503	-0.531514
1	0.598824	-0.992874	1.951207
1	1.468190	3.851426	-1.054196
1	-4.780123	-0.768044	-0.067465
1	-1.776870	2.788471	0.700910
6	-1.932335	-3.469959	-1.333646
1	-2.330470	-4.290673	-1.941107
1	-1.060022	-3.053277	-1.848966
1	-1.576300	-3.899319	-0.393800
6	-3.547621	-1.934672	-2.461537
1	-3.842402	-2.793372	-3.074633
1	-4.428015	-1.294175	-2.358790
1	-2.787730	-1.377782	-3.023111
6	-4.086728	1.090679	-0.909617
1	-3.865391	0.769962	-1.931570
1	-5.090809	1.530392	-0.903260
1	-3.375865	1.886883	-0.663814
6	-4.175539	0.543522	1.510218
1	-5.120755	1.095615	1.564525
1	-4.196683	-0.222243	2.291010
1	-3.375971	1.255176	1.755262
6	-1.474681	3.776683	-1.173508
1	-2.351218	4.420625	-1.043224
1	-0.715588	4.366598	-1.700129
1	-1.762056	2.944033	-1.824748
6	-0.469517	4.460166	1.025176
1	0.434450	4.918903	0.605977
1	-1.233926	5.244099	1.071553
1	-0.244326	4.165272	2.054043
6	1.335182	2.385760	-2.629107
1	0.322285	2.628118	-2.963581
1	2.040747	2.902056	-3.289911
1	1.473510	1.305997	-2.767052
6	3.001148	2.369419	-0.770736
1	3.110852	1.279554	-0.738236
1	3.724110	2.741577	-1.505386
1	3.291495	2.761470	0.208412
6	5.254758	-0.328855	-0.327368

6	4.581679	-0.907165	-1.404726
6	3.388784	-1.590546	-1.199395
6	2.850716	-1.724340	0.086911
6	3.527329	-1.129825	1.156580
6	4.715795	-0.431629	0.951983
1	6.188021	0.204590	-0.488427
1	4.989103	-0.820431	-2.409027
1	2.862458	-2.024160	-2.047069
1	3.111462	-1.262656	2.152966
1	5.231693	0.018787	1.796955
6	1.634468	-2.576791	0.394366
6	1.498642	-3.832865	-0.450331
1	0.560330	-4.333427	-0.207943
1	1.536745	-3.652726	-1.527046
1	2.319938	-4.511943	-0.188145
8	1.237749	-2.629341	1.590276

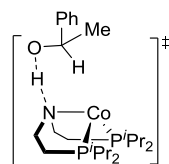


TP-Co-2

27	-0.143056	-0.228120	0.507238
15	-2.016473	-1.261677	-0.064388
15	0.198841	1.928195	-0.080438
7	-1.380168	0.743890	2.130664
6	-3.062494	-0.937576	-1.591691
6	-2.143233	-3.133140	0.089131
1	-3.207682	-3.362456	0.257933
6	-3.128771	-0.815347	1.370152
1	-4.192384	-0.898554	1.113482
1	-2.942452	-1.566419	2.147189
6	-2.817940	0.567107	1.919276
1	-3.119473	1.329968	1.187522
1	-3.407399	0.761161	2.832053
6	-0.976391	2.134142	2.408761
1	-0.893670	2.324009	3.488046
1	-1.778298	2.791732	2.045536
6	0.327989	2.468492	1.696781
1	1.137757	1.870477	2.131657
1	0.581016	3.529293	1.821419

6	1.799974	2.525173	-0.841382
6	-1.061159	3.160010	-0.740635
1	2.112787	-2.507229	2.141022
1	-1.022167	0.121948	2.853067
1	1.684583	3.586688	-1.110177
1	-3.785460	-1.761930	-1.695783
1	-2.014782	2.784217	-0.336653
6	-1.335202	-3.612617	1.290631
1	-1.411473	-4.700562	1.395091
1	-0.275631	-3.355091	1.183925
1	-1.665909	-3.168709	2.234662
6	-1.691410	-3.855098	-1.173725
1	-1.696945	-4.939611	-1.017621
1	-2.339298	-3.645847	-2.029448
1	-0.667223	-3.574670	-1.450162
6	-2.147627	-0.894054	-2.813163
1	-1.626160	-1.838340	-2.991144
1	-2.713664	-0.647080	-3.718777
1	-1.373256	-0.128224	-2.671652
6	-3.824193	0.376388	-1.476870
1	-4.356650	0.597051	-2.408820
1	-4.563062	0.372908	-0.669558
1	-3.132734	1.209243	-1.295717
6	-1.135106	3.090143	-2.260468
1	-1.985925	3.668629	-2.637439
1	-0.230694	3.508216	-2.717631
1	-1.244372	2.060745	-2.619153
6	-0.874733	4.596651	-0.269842
1	0.114627	4.984729	-0.539587
1	-1.615569	5.255851	-0.737207
1	-0.984666	4.701736	0.813457
6	2.079644	1.709361	-2.100885
1	1.271262	1.772342	-2.836398
1	3.003396	2.047044	-2.585502
1	2.205909	0.651604	-1.843681
6	2.958129	2.382928	0.139032
1	3.004730	1.359416	0.532231
1	3.911700	2.578154	-0.365198
1	2.879295	3.068967	0.987109
6	3.489468	-1.716825	-2.341515
6	2.216620	-2.123153	-1.942379
6	1.844360	-2.028038	-0.605845
6	2.715974	-1.522190	0.369414

6	3.987858	-1.120951	-0.050500
6	4.370512	-1.214501	-1.389232
1	3.788237	-1.787314	-3.383975
1	1.513118	-2.518676	-2.672623
1	0.852582	-2.360604	-0.298208
1	4.695200	-0.722366	0.672572
1	5.364493	-0.888878	-1.687270
6	2.228065	-1.447614	1.815503
6	3.243525	-0.813526	2.758028
1	2.823011	-0.789973	3.766082
1	4.192974	-1.360113	2.795405
1	3.451726	0.222544	2.462408
8	1.007951	-0.792049	1.933546

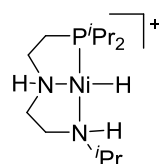


TP-Co-TS1-T-b

27	-0.173504	-0.197353	-0.086999
15	-2.331688	-0.780243	-0.249917
15	0.712716	1.878411	0.047752
7	-0.478648	-0.077348	1.992420
6	-3.746324	0.426347	-0.511146
6	-2.967673	-2.276759	-1.177079
1	-3.887750	-2.590428	-0.659635
6	-2.524435	-1.370619	1.504706
1	-3.578312	-1.502221	1.783545
1	-2.066331	-2.368064	1.531671
6	-1.798636	-0.458957	2.490268
1	-2.398313	0.446315	2.665459
1	-1.724796	-0.967442	3.466619
6	0.015887	1.144371	2.615827
1	0.311539	0.982772	3.667348
1	-0.791526	1.899405	2.640262
6	1.202045	1.686497	1.829191
1	2.009548	0.942790	1.855402
1	1.593420	2.612453	2.268159
6	2.242582	2.575443	-0.772657
6	-0.445594	3.348120	0.075203
1	0.103247	-2.103313	0.426507
1	0.292758	-0.963160	2.222613

1	2.214465	3.667487	-0.635207
1	-4.633229	-0.182525	-0.745207
1	-1.402287	2.920123	0.409714
6	-1.954814	-3.412310	-1.121262
1	-2.341449	-4.300086	-1.633892
1	-1.020264	-3.122586	-1.617857
1	-1.696470	-3.706609	-0.100133
6	-3.310033	-1.948563	-2.625437
1	-3.612445	-2.855948	-3.159226
1	-4.129750	-1.229972	-2.715306
1	-2.440660	-1.535207	-3.151674
6	-3.429123	1.340418	-1.688302
1	-3.188949	0.793655	-2.604071
1	-4.270233	2.009483	-1.902796
1	-2.556978	1.957624	-1.447391
6	-4.050814	1.264753	0.722537
1	-4.840467	1.991185	0.500829
1	-4.382853	0.664315	1.573635
1	-3.167100	1.832873	1.039907
6	-0.640047	3.904078	-1.331840
1	-1.463186	4.626475	-1.349023
1	0.258321	4.429347	-1.676136
1	-0.865730	3.120366	-2.062409
6	-0.039833	4.453544	1.041099
1	0.963095	4.836886	0.816540
1	-0.731055	5.300174	0.963148
1	-0.043466	4.122773	2.083459
6	2.221523	2.258873	-2.265843
1	1.306551	2.595872	-2.760751
1	3.070652	2.732477	-2.771403
1	2.301807	1.177005	-2.420854
6	3.516801	2.031431	-0.138762
1	3.509221	0.935905	-0.109900
1	4.390336	2.329977	-0.729156
1	3.666200	2.393574	0.882006
6	4.432400	-1.296148	-1.466480
6	3.171158	-1.410166	-2.047298
6	2.073316	-1.761647	-1.260951
6	2.217570	-1.994785	0.110899
6	3.481688	-1.844077	0.687247
6	4.582940	-1.511409	-0.096051
1	5.290840	-1.026654	-2.076062
1	3.041965	-1.230147	-3.112236

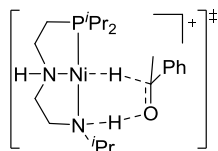
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1	5.563745	-1.407835	0.362258
6	1.051978	-2.461484	0.986769
6	0.947043	-3.991234	0.920853
1	0.078316	-4.326614	1.496695
1	0.864161	-4.369518	-0.105381
1	1.840003	-4.429594	1.378612
8	1.091742	-2.001215	2.251848



A-RC

15	-1.463577	-0.199462	-0.090105
7	0.895353	-1.879260	-0.287056
6	3.228667	1.241808	0.149034
6	3.135794	-1.254772	0.392017
1	4.180272	-1.142039	0.075468
1	3.139879	-1.898441	1.278394
6	2.311991	-1.909907	-0.701196
1	2.380760	-1.351237	-1.638659
1	2.668351	-2.928869	-0.898659
6	-0.086985	-2.199929	-1.351582
1	0.010590	-3.241712	-1.682617
1	0.160133	-1.562737	-2.209257
6	-1.488185	-1.896626	-0.843012
1	-1.779837	-2.618923	-0.071558
1	-2.225816	-1.981326	-1.648074
6	-2.781734	-0.191370	1.200069
6	-1.976879	0.895637	-1.498200
1	0.231456	1.245308	1.086505
1	0.763781	-2.544939	0.476244
1	-3.691610	-0.582275	0.721562
1	4.312366	1.086903	0.271183
1	-1.392158	0.486262	-2.336995
6	2.833812	2.511914	0.873205
1	3.434924	3.347188	0.506839
1	1.778793	2.748333	0.708986
1	2.999032	2.437230	1.952487

6	-2.372709	-1.112821	2.346176
1	-1.452891	-0.750927	2.820180
1	-3.154647	-1.132459	3.110289
1	-2.206541	-2.147386	2.029202
6	-1.555049	2.347828	-1.302271
1	-0.481482	2.436332	-1.110552
1	-1.790565	2.928834	-2.198540
1	-2.075595	2.817594	-0.463134
6	2.903711	1.307782	-1.331515
1	3.356176	0.491929	-1.901301
1	1.814560	1.282650	-1.482070
1	3.279024	2.240862	-1.757964
6	-3.459429	0.755597	-1.830247
1	-4.089594	1.182117	-1.043640
1	-3.689569	1.292530	-2.754701
1	-3.766386	-0.285246	-1.974229
6	-3.045802	1.221223	1.712083
1	-3.454977	1.880994	0.942968
1	-3.770195	1.189125	2.530782
1	-2.129083	1.679827	2.098943
28	0.566822	-0.048100	0.490054
7	2.553325	0.060114	0.789069
1	2.699528	0.169089	1.790512

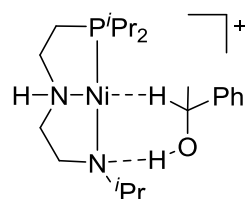


A-TS1

15	0.266301	1.846486	-0.215150
7	1.314125	-0.138506	-2.028700
6	2.707952	-2.068824	0.682889
6	1.689943	-2.485362	-1.549658
1	2.410076	-3.311960	-1.606035
1	0.735427	-2.875601	-1.928325
6	2.144598	-1.323411	-2.414137
1	3.185697	-1.060362	-2.220447
1	2.055322	-1.520566	-3.489125
6	1.931951	1.182777	-2.306555
1	2.198750	1.264813	-3.367854
1	2.863667	1.217662	-1.730233

6	0.971804	2.279512	-1.876262
1	0.145410	2.361852	-2.590644
1	1.471830	3.253537	-1.862504
6	-1.368506	2.703401	-0.149870
6	1.424521	2.681448	0.973716
1	-0.194539	-0.784599	1.161991
1	0.432901	-0.189914	-2.547189
1	-1.178487	3.764288	-0.368138
1	3.254182	-2.987324	0.415424
1	2.411400	2.460590	0.536475
6	2.324496	-2.144608	2.152213
1	3.219734	-2.229686	2.772746
1	1.802179	-1.227859	2.458032
1	1.667376	-2.989371	2.362748
6	-2.292610	2.118331	-1.212671
1	-2.405315	1.036525	-1.084088
1	-3.289082	2.561517	-1.127584
1	-1.944841	2.309191	-2.232184
6	1.377398	2.041339	2.358293
1	1.555450	0.960390	2.310407
1	2.144273	2.478191	3.004248
1	0.412065	2.192809	2.850940
6	3.637799	-0.873030	0.465859
1	4.107730	-0.850512	-0.519871
1	3.085220	0.068383	0.609748
1	4.446193	-0.886715	1.202223
6	1.246388	4.194734	1.022341
1	0.298449	4.472311	1.494036
1	2.046278	4.647881	1.614677
1	1.273344	4.658902	0.031296
6	-1.977734	2.577064	1.242988
1	-1.394325	3.095837	2.008132
1	-2.984027	3.006024	1.250923
1	-2.071882	1.525157	1.536350
28	0.657347	-0.324459	-0.212833
7	1.479007	-2.044355	-0.159760
1	0.466124	-2.673366	0.474294
6	-3.354016	-0.745052	0.939113
6	-4.427789	-0.522923	0.077147
6	-4.346291	-0.905622	-1.257767
6	-3.186947	-1.523343	-1.729576
6	-2.124995	-1.757336	-0.864127
6	-2.190491	-1.366545	0.479718

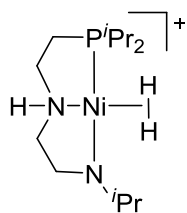
1	-3.442308	-0.455893	1.982844
1	-5.333792	-0.058936	0.456416
1	-5.185076	-0.737660	-1.926533
1	-3.127903	-1.848273	-2.764742
1	-1.246232	-2.302605	-1.205777
6	-1.019049	-1.697287	1.389635
8	-0.448221	-2.875322	1.126513
6	-1.234115	-1.444272	2.873477
1	-1.508436	-0.408256	3.094267
1	-2.031384	-2.100459	3.234954
1	-0.323660	-1.691715	3.421212



A-IM1

15	0.235887	1.829306	-0.234497
7	1.337061	-0.167309	-2.010298
6	2.723936	-2.016913	0.693954
6	1.745144	-2.496058	-1.528094
1	2.481136	-3.310158	-1.562717
1	0.807978	-2.908639	-1.928850
6	2.191054	-1.337575	-2.399461
1	3.226865	-1.056593	-2.203059
1	2.103794	-1.527062	-3.476421
6	1.935885	1.161293	-2.295470
1	2.212535	1.230023	-3.355267
1	2.861346	1.216830	-1.710990
6	0.955773	2.248765	-1.891818
1	0.138040	2.310655	-2.618077
1	1.442150	3.229730	-1.883861
6	-1.402602	2.685217	-0.213417
6	1.373185	2.696240	0.952378
1	-0.200221	-0.773074	1.260653
1	0.457644	-0.235060	-2.530659
1	-1.208475	3.741488	-0.449667
1	3.306205	-2.916001	0.434542
1	2.366945	2.478845	0.529473
6	2.348518	-2.097075	2.166775

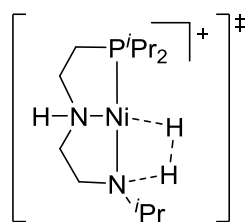
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6	-2.306470	2.078539	-1.282253
1	-2.404484	0.995510	-1.149266
1	-3.310649	2.506702	-1.210740
1	-1.950976	2.269286	-2.298906
6	1.317327	2.077054	2.346200
1	1.499956	0.995674	2.318527
1	2.078110	2.525023	2.991733
1	0.348162	2.235658	2.829095
6	3.627419	-0.793051	0.484988
1	4.088973	-0.747317	-0.503759
1	3.055455	0.134703	0.642363
1	4.441386	-0.793655	1.215797
6	1.180408	4.208109	0.977519
1	0.224490	4.482860	1.434402
1	1.968966	4.677671	1.572242
1	1.214001	4.658255	-0.019704
6	-2.039884	2.590014	1.168760
1	-1.455763	3.097998	1.940775
1	-3.033116	3.048145	1.154587
1	-2.170950	1.544195	1.468603
28	0.673275	-0.357687	-0.206715
7	1.501702	-2.051158	-0.148682
1	0.204070	-2.808336	0.747749
6	-3.384310	-0.746397	0.845086
6	-4.400055	-0.617474	-0.102600
6	-4.207404	-1.067096	-1.404319
6	-2.995080	-1.662550	-1.755563
6	-1.990741	-1.802858	-0.804617
6	-2.165762	-1.337356	0.505790
1	-3.561656	-0.401964	1.860218
1	-5.347495	-0.170563	0.184512
1	-5.000461	-0.969930	-2.139334
1	-2.848489	-2.045531	-2.761888
1	-1.071147	-2.330021	-1.055476
6	-1.048255	-1.557758	1.512903
8	-0.518742	-2.823085	1.440426
6	-1.372063	-1.209624	2.950964
1	-1.686749	-0.168652	3.066779
1	-2.174868	-1.858562	3.311757
1	-0.493460	-1.384233	3.574510



A-IM2

15	1.635933	0.127023	0.085370
7	-0.720827	1.777577	0.317825
6	-3.271507	-1.276021	-0.029997
6	-3.046763	1.166938	0.102574
1	-3.840086	1.150357	-0.657555
1	-3.533810	1.482538	1.040130
6	-1.999771	2.175752	-0.318350
1	-1.833002	2.129511	-1.399855
1	-2.261717	3.209831	-0.057589
6	0.457714	2.582040	-0.074631
1	0.342646	3.619452	0.263583
1	0.480197	2.596542	-1.169961
6	1.707007	1.930987	0.491294
1	1.740860	2.048402	1.580067
1	2.613993	2.400171	0.096902
6	2.604145	-0.730283	1.407591
6	2.570303	0.015826	-1.514391
1	-0.713971	-1.401030	-0.991516
1	-0.834827	1.831794	1.332037
1	3.583606	-0.232615	1.450953
1	-2.718386	-2.171156	0.285525
1	2.203855	0.895879	-2.064340
6	-3.584241	-1.406287	-1.517131
1	-4.220045	-2.274997	-1.709609
1	-4.115427	-0.529803	-1.903500
1	-2.666937	-1.523813	-2.106416
6	1.894357	-0.573888	2.749774
1	0.905225	-1.046099	2.729903
1	2.473735	-1.061663	3.538207
1	1.762713	0.469895	3.049984
6	2.200328	-1.222559	-2.324498
1	1.127776	-1.263357	-2.537149
1	2.724234	-1.211831	-3.284034

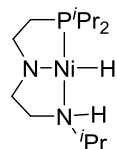
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1	-5.195761	-0.388417	0.494754
1	-5.124956	-2.139590	0.667071
6	4.077522	0.159958	-1.325806
1	4.505249	-0.707104	-0.813074
1	4.568365	0.232713	-2.300180
1	4.353376	1.053419	-0.757022
6	2.802439	-2.204873	1.069327
1	3.395425	-2.358773	0.164445
1	3.323631	-2.707815	1.888207
1	1.842046	-2.716650	0.936281
28	-0.584763	-0.149962	-0.011531
7	-2.406629	-0.135554	0.308168
1	-0.471084	-1.722563	-0.257217



A-TS2

15	1.461768	-0.129206	0.156624
7	-0.895510	-1.696653	0.620476
6	-3.159856	1.066989	-0.086964
6	-2.977719	-1.394740	-0.526575
1	-4.074723	-1.426519	-0.484040
1	-2.685002	-2.060306	-1.349791
6	-2.365714	-1.900490	0.771490
1	-2.698265	-1.303203	1.625097
1	-2.591411	-2.951995	0.986239
6	-0.078806	-1.664512	1.857293
1	-0.212146	-2.585994	2.436675
1	-0.456411	-0.835222	2.466224
6	1.376299	-1.446525	1.465284
1	1.801939	-2.370120	1.056544
1	1.982948	-1.185740	2.337847
6	2.841417	-0.640252	-0.963224
6	1.938859	1.402949	1.085820

1	-0.581996	0.977177	-1.634771
1	-0.543462	-2.457763	0.034251
1	3.705823	-0.853278	-0.317688
1	-4.147728	0.684844	0.214228
1	1.276305	1.359731	1.964530
6	-3.371098	2.256058	-1.011133
1	-3.917458	3.055300	-0.503202
1	-2.412133	2.682147	-1.331892
1	-3.929248	1.967596	-1.903534
6	2.441685	-1.909707	-1.710892
1	1.582751	-1.723300	-2.365840
1	3.267167	-2.248826	-2.342359
1	2.187619	-2.741040	-1.045314
6	1.608255	2.676910	0.313387
1	0.566606	2.694696	-0.024354
1	1.767816	3.551129	0.950399
1	2.242976	2.799097	-0.568537
6	-2.414673	1.510306	1.176110
1	-2.230570	0.685212	1.872326
1	-1.444749	1.954601	0.912167
1	-2.977922	2.275669	1.719489
6	3.386635	1.371050	1.564514
1	4.087240	1.432601	0.725908
1	3.584616	2.228206	2.213848
1	3.628317	0.469333	2.135546
6	3.201596	0.473981	-1.940617
1	3.617633	1.353369	-1.443543
1	3.952907	0.116970	-2.650172
1	2.330359	0.794401	-2.522944
28	-0.634055	-0.129767	-0.511037
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1	-1.451737	0.596226	-1.662221

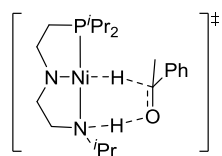


B-RC

15	-1.422973	-0.226342	-0.062760
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6	3.097831	-1.316109	0.389926
1	4.150280	-1.237528	0.079187
1	3.054159	-1.948478	1.282131
6	2.215300	-1.932403	-0.678108
1	2.438382	-1.492963	-1.675105
1	2.480613	-3.003565	-0.776654
6	-0.088232	-2.222326	-1.254167
1	0.035731	-3.305662	-1.442874
1	0.051900	-1.740404	-2.251648
6	-1.499938	-1.936922	-0.755095
1	-1.749727	-2.620845	0.062848
1	-2.265264	-2.046655	-1.532887
6	-2.819822	-0.106764	1.151897
6	-1.884298	0.816114	-1.536264
1	0.257479	1.171269	1.384016
1	-3.721561	-0.490314	0.650524
1	4.330695	1.006232	0.198718
1	-1.279072	0.349876	-2.329753
6	2.887727	2.460510	0.828214
1	3.458279	3.291355	0.403506
1	1.818931	2.670689	0.730406
1	3.117168	2.409951	1.897992
6	-2.496690	-0.983496	2.357791
1	-1.584722	-0.625378	2.848784
1	-3.313968	-0.948709	3.086349
1	-2.333682	-2.031333	2.089218
6	-1.430276	2.264928	-1.400541
1	-0.373814	2.324661	-1.119865
1	-1.571167	2.801297	-2.345651
1	-1.996870	2.800860	-0.632571
6	2.868840	1.225344	-1.355071
1	3.285773	0.389237	-1.921162
1	1.774974	1.193966	-1.457375
1	3.236945	2.151898	-1.805057
6	-3.353773	0.702904	-1.923943
1	-4.003462	1.167226	-1.173687
1	-3.543799	1.211803	-2.875302
1	-3.674984	-0.337691	-2.039119
6	-3.057891	1.332140	1.594854
1	-3.428609	1.967509	0.785247
1	-3.799050	1.363411	2.400997
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28	0.566003	-0.061526	0.564435

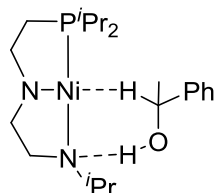
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B-TS1

15	-1.888174	-1.023970	0.219487
7	-2.202518	1.672121	-0.407711
6	1.140840	2.595547	0.760368
6	-0.559812	3.336398	-0.931440
1	-0.181482	4.343694	-0.706336
1	-0.619328	3.250379	-2.023246
6	-1.932447	3.104372	-0.326154
1	-1.959908	3.472809	0.716308
1	-2.721003	3.664714	-0.860804
6	-3.314551	1.287877	0.436302
1	-4.216742	1.843196	0.124769
1	-3.157535	1.563404	1.500885
6	-3.548552	-0.215374	0.318761
1	-4.081980	-0.440603	-0.611395
1	-4.148051	-0.613979	1.145078
6	-2.113652	-2.472380	-0.919113
6	-1.613965	-1.779026	1.891539
1	0.865532	-0.131840	-0.614352
1	-1.126451	-2.958324	-0.935833
1	1.649274	1.648280	1.004239
1	-2.496324	-2.394774	2.120257
6	0.306266	3.009964	1.962402
1	0.925540	3.050105	2.864348
1	-0.128785	4.006113	1.823239
1	-0.513069	2.302614	2.137629
6	-3.153103	-3.474828	-0.433449
1	-4.136505	-3.003064	-0.322789
1	-3.266646	-4.291227	-1.154605
1	-2.887643	-3.922788	0.528920
6	-1.498404	-0.668858	2.930136
1	-2.387510	-0.030160	2.959633
1	-1.354881	-1.087753	3.931577
1	-0.637181	-0.026754	2.706632

6	2.225597	3.623552	0.455362
1	2.844068	3.292247	-0.382818
1	1.792710	4.598307	0.202666
1	2.871723	3.770721	1.326614
6	-0.367651	-2.655077	1.887238
1	0.517175	-2.075329	1.595998
1	-0.179327	-3.062254	2.885969
1	-0.451588	-3.501965	1.197885
6	-2.419137	-1.977110	-2.328687
1	-1.702534	-1.218390	-2.657603
1	-2.391446	-2.807298	-3.041826
1	-3.418341	-1.531792	-2.388939
28	-0.648147	0.677110	-0.286098
7	0.352858	2.281063	-0.454590
1	1.255427	1.828754	-1.260805
6	1.224021	-0.922520	-2.577515
6	1.767226	-0.120867	-1.394509
8	2.107357	1.134486	-1.728022
1	0.432974	-0.342934	-3.062602
1	2.024997	-1.081395	-3.305890
1	0.814508	-1.898421	-2.292311
6	2.827877	-0.853248	-0.584887
6	2.684352	-2.197451	-0.225993
6	3.961795	-0.161137	-0.157414
6	3.654806	-2.837851	0.538198
1	1.799795	-2.750154	-0.540128
6	4.937016	-0.801187	0.602349
1	4.056736	0.881172	-0.448154
6	4.787630	-2.140410	0.953185
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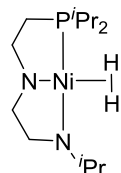


B-IM1

15	-1.327793	-1.541818	0.240526
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6	-1.868444	2.966958	-0.993769
1	-1.908984	4.044089	-0.771741
1	-1.920322	2.866914	-2.086088
6	-3.035308	2.228435	-0.365595
1	-3.195466	2.572616	0.672920
1	-3.990249	2.411895	-0.891944
6	-3.532707	0.042162	0.502018
1	-4.595808	0.186993	0.240542
1	-3.440020	0.402274	1.548615
6	-3.163841	-1.436517	0.425916
1	-3.610332	-1.887601	-0.467009
1	-3.520505	-2.003362	1.293623
6	-1.039597	-3.030434	-0.835989
6	-0.698846	-2.055003	1.910184
1	0.913758	0.303735	-0.466979
1	0.055935	-3.095391	-0.918664
1	0.801712	2.263365	0.948809
1	-1.251410	-2.958983	2.205852
6	-0.941589	3.075333	1.872994
1	-0.383006	3.385736	2.763120
1	-1.723384	3.824554	1.702828
1	-1.431519	2.118751	2.090785
6	-1.566382	-4.331444	-0.243039
1	-2.646557	-4.275678	-0.063763
1	-1.396980	-5.165345	-0.932895
1	-1.082766	-4.587602	0.704337
6	-0.981877	-0.949100	2.920481
1	-2.048772	-0.712849	2.993655
1	-0.635167	-1.238377	3.918281
1	-0.458267	-0.027340	2.636741
6	0.635118	4.297511	0.346583
1	1.384460	4.190171	-0.442127
1	-0.111386	5.027870	0.014276
1	1.126117	4.713902	1.232643
6	0.791474	-2.366791	1.848798
1	1.362871	-1.491410	1.515144
1	1.169269	-2.642992	2.838775
1	1.025391	-3.191521	1.167090
6	-1.605779	-2.779617	-2.230309
1	-1.285626	-1.815615	-2.637396
1	-1.288721	-3.567165	-2.921622
1	-2.701136	-2.780030	-2.221674

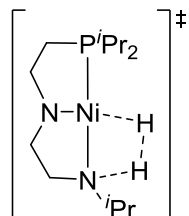
28	-0.890246	0.512333	-0.337709
7	-0.609983	2.353107	-0.541337
1	0.859632	2.183389	-1.444333
6	1.295506	-0.337464	-2.491775
6	1.714930	0.477054	-1.277728
8	1.793328	1.828232	-1.565995
1	0.374321	0.086359	-2.904544
1	2.072895	-0.294540	-3.260535
1	1.098559	-1.386765	-2.248902
6	2.971484	0.005323	-0.581104
6	3.383461	-1.330235	-0.621334
6	3.706702	0.912772	0.188396
6	4.503229	-1.750340	0.091762
1	2.827111	-2.054296	-1.212458
6	4.824433	0.493120	0.900910
1	3.391161	1.951950	0.201922
6	5.226169	-0.840429	0.857509
1	4.811564	-2.791584	0.046383
1	5.387982	1.211046	1.491246
1	6.100240	-1.167033	1.414255



B-IM2

15	1.462276	-0.218629	0.075640
7	-0.865918	-1.691098	0.324636
6	-3.245510	1.075438	-0.280890
6	-3.075345	-1.346421	-0.431463
1	-4.137405	-1.253760	-0.154052
1	-3.025958	-2.043458	-1.281398
6	-2.251994	-1.921274	0.698269
1	-2.502108	-1.442091	1.665425
1	-2.424980	-3.004987	0.840894
6	0.051986	-2.068106	1.375309
1	-0.118850	-3.124053	1.647705
1	-0.104165	-1.497285	2.317478
6	1.476536	-1.869671	0.879534
1	1.710166	-2.621456	0.119554

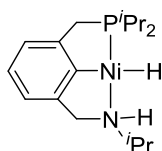
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6	1.830013	0.914365	1.508424
1	-0.477926	1.403798	-1.191223
1	3.820903	-0.466561	-0.435245
1	-4.310099	0.916289	-0.540339
1	1.203630	0.478506	2.302193
6	-2.840356	2.395829	-0.922267
1	-3.582086	3.171662	-0.707631
1	-1.882055	2.761894	-0.529542
1	-2.750527	2.293292	-2.007616
6	2.764829	-1.185086	-2.168815
1	1.884600	-0.939060	-2.773146
1	3.636678	-1.178095	-2.831115
1	2.634522	-2.207917	-1.805533
6	1.333869	2.337250	1.270417
1	0.267507	2.350608	1.018528
1	1.474007	2.947148	2.169119
1	1.873369	2.832807	0.456076
6	-3.175869	1.204432	1.246143
1	-3.636977	0.350351	1.750468
1	-2.123065	1.252081	1.563104
1	-3.681782	2.110916	1.601696
6	3.281729	0.878738	1.970461
1	3.951659	1.332180	1.231433
1	3.401486	1.442587	2.901632
1	3.638030	-0.139770	2.157316
6	3.175867	1.222044	-1.604498
1	3.417551	1.956364	-0.831001
1	4.004699	1.215046	-2.320071
1	2.288193	1.581106	-2.138914
28	-0.643374	-0.096756	-0.586504
7	-2.527039	-0.056024	-0.857791
1	-0.494057	0.912466	-1.855019



B-TS2

15	1.409665	-0.164588	0.142364
7	-0.870568	-1.626157	0.602602
6	-3.153492	1.042847	-0.117590
6	-2.985825	-1.421558	-0.464590
1	-4.083197	-1.454002	-0.367641
1	-2.712328	-2.106880	-1.277856
6	-2.286428	-1.878900	0.805548
1	-2.702424	-1.346753	1.684943
1	-2.463088	-2.953083	0.996377
6	-0.083827	-1.682562	1.810548
1	-0.218755	-2.656341	2.313341
1	-0.385550	-0.921425	2.564528
6	1.380680	-1.484193	1.433053
1	1.775361	-2.400896	0.983830
1	2.016134	-1.233527	2.290198
6	2.888747	-0.560914	-0.908621
6	1.819582	1.366967	1.119432
1	-0.625949	0.729787	-1.898451
1	3.732187	-0.742655	-0.225146
1	-4.183338	0.727788	0.125645
1	1.127630	1.273919	1.971157
6	-3.241060	2.260058	-1.030806
1	-3.759404	3.089133	-0.538425
1	-2.237713	2.616835	-1.295056
1	-3.767753	2.019634	-1.957654
6	2.603715	-1.828812	-1.708313
1	1.762830	-1.670463	-2.392620
1	3.477757	-2.106080	-2.306825
1	2.347737	-2.683819	-1.076434
6	1.461994	2.649864	0.375553
1	0.440349	2.614613	-0.018397
1	1.540680	3.514310	1.043424
1	2.131436	2.831679	-0.470964
6	-2.464715	1.442235	1.193554
1	-2.340514	0.597009	1.875181
1	-1.464955	1.846605	0.985012
1	-3.034657	2.220186	1.716650
6	3.245321	1.391475	1.657191
1	3.976884	1.505576	0.849614
1	3.385295	2.236990	2.339323
1	3.501712	0.480925	2.208642
6	3.239032	0.589144	-1.845733
1	3.585223	1.478079	-1.311235

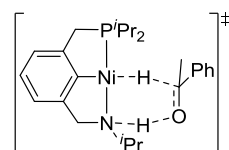
1	4.036656	0.289674	-2.533802
1	2.373600	0.879672	-2.452952
28	-0.621609	-0.213559	-0.585046
7	-2.555400	-0.080526	-0.850636
1	-1.532355	0.404866	-1.757695



C-RC

6	1.298511	1.322705	-1.140837
1	1.342578	1.003026	-2.191231
1	2.100414	2.063619	-1.015458
6	-0.072706	1.838381	-0.792104
6	-0.535187	3.114939	-1.116025
1	0.105812	3.818491	-1.646366
6	-1.832166	3.492228	-0.764687
1	-2.194075	4.484312	-1.022941
6	2.478249	0.406302	1.403504
6	1.607801	1.375829	2.199569
1	2.121877	1.679573	3.118160
1	1.386653	2.283447	1.625479
1	0.647328	0.923464	2.466946
6	2.647571	-1.333148	-1.027089
6	3.710389	-0.672215	-1.899810
1	4.219943	-1.431661	-2.503157
1	3.288479	0.062698	-2.591060
1	4.478138	-0.165440	-1.308665
15	1.527533	-0.186085	-0.082600
6	3.240896	-2.378692	-0.089707
1	3.989962	-1.936508	0.577732
1	2.466216	-2.843993	0.528035
1	3.742544	-3.166577	-0.660841
6	-2.987336	0.326304	1.027693
6	-2.199116	1.334684	0.244654
6	-2.668674	2.605511	-0.085165
1	-3.677741	2.915345	0.186850
7	-2.378943	-1.030806	0.866657
6	3.846629	1.009644	1.111823
1	4.549993	0.278758	0.704920
1	4.286373	1.406378	2.033821

1	3.782076	1.844047	0.403404
1	-4.052296	0.299596	0.746513
1	0.056643	-2.209434	0.935229
6	-0.899643	0.931754	-0.103620
1	1.937029	-1.846242	-1.690661
1	2.610318	-0.504481	2.003573
28	-0.406184	-0.816240	0.443665
1	-2.957946	0.568328	2.098073
6	-3.110043	-1.869073	-0.129622
1	-4.183629	-1.811045	0.124443
6	-2.658684	-3.311543	-0.022716
1	-1.598627	-3.399491	-0.277695
1	-3.244852	-3.938737	-0.700473
1	-2.786560	-3.703838	0.991738
6	-2.914756	-1.318265	-1.529302
1	-1.852818	-1.359809	-1.801425
1	-3.231282	-0.274725	-1.611242
1	-3.488352	-1.910186	-2.248986
1	-2.441850	-1.519354	1.755703

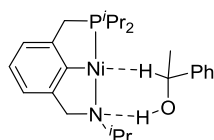


C-TS1

6	-2.860999	1.286404	-1.014440
1	-2.781561	1.337145	-2.109272
1	-3.601177	2.044317	-0.723961
6	-3.216763	-0.102392	-0.556453
6	-4.517950	-0.609016	-0.511073
1	-5.356625	0.007643	-0.830611
6	-4.744779	-1.904975	-0.048844
1	-5.759791	-2.292648	-0.019236
6	-1.480334	2.546916	1.267818
6	-2.300864	1.665066	2.206862
1	-2.401555	2.150854	3.182962
1	-3.311024	1.493660	1.817450
1	-1.840897	0.683016	2.356421
6	-0.334225	2.757383	-1.520677
6	-1.181332	3.875799	-2.118833
1	-0.649935	4.332910	-2.960371

1	-2.142614	3.516649	-2.497942
1	-1.385636	4.671199	-1.398501
15	-1.177362	1.621599	-0.319904
6	0.970170	3.268109	-0.919034
1	0.785776	3.944295	-0.075211
1	1.599832	2.445664	-0.560419
1	1.548379	3.826154	-1.662145
6	-1.146655	-2.929186	0.799729
6	-2.382583	-2.215936	0.339474
6	-3.686385	-2.708266	0.378921
1	-3.883142	-3.715563	0.743222
7	0.036489	-2.196380	0.293622
6	-2.105534	3.928574	1.121698
1	-1.429525	4.644850	0.648374
1	-2.362610	4.328638	2.108589
1	-3.031302	3.901277	0.535461
1	-1.135701	-3.985126	0.492838
1	1.337464	-0.059377	0.336688
6	-2.152720	-0.910639	-0.131050
1	-0.077323	2.063132	-2.334169
1	-0.475827	2.657057	1.700360
28	-0.390059	-0.360762	0.000489
1	-1.094313	-2.938019	1.897987
6	0.678974	-2.815086	-0.894314
1	1.460427	-2.097708	-1.190080
6	-0.275057	-3.000795	-2.062942
1	0.247185	-3.431819	-2.922996
1	-0.720189	-2.047257	-2.364697
1	-1.097319	-3.678462	-1.804686
6	1.382654	-4.113900	-0.515786
1	0.666254	-4.895229	-0.237880
1	2.058370	-3.949270	0.328092
1	1.965848	-4.494883	-1.359966
1	0.976571	-2.017748	1.086056
6	5.346280	-0.755838	-0.719725
6	5.852879	0.540750	-0.786726
6	5.151303	1.581793	-0.186261
6	3.947001	1.329330	0.467491
6	3.428659	0.032582	0.537114
6	4.148101	-1.005968	-0.060719
1	5.893529	-1.576635	-1.176820
1	6.792774	0.736803	-1.296054
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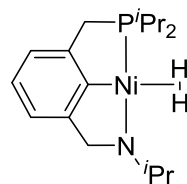
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6	2.106908	-0.302621	1.221458
6	1.691812	0.683776	2.314295
1	2.400862	0.638180	3.146826
1	1.634743	1.720325	1.959715
1	0.704188	0.396253	2.690514
8	2.020690	-1.584373	1.602843



C-IM1

6	-2.671369	1.552659	-1.015541
1	-2.567341	1.564422	-2.109320
1	-3.302564	2.413440	-0.757380
6	-3.229403	0.238515	-0.540148
6	-4.591698	-0.070428	-0.510425
1	-5.324351	0.662903	-0.844547
6	-5.015088	-1.317970	-0.052002
1	-6.076851	-1.550065	-0.036423
6	-1.180156	2.700050	1.240067
6	-2.105370	1.948769	2.195958
1	-2.165678	2.474236	3.154782
1	-3.122525	1.874719	1.794011
1	-1.759919	0.926217	2.380723
6	0.039482	2.650375	-1.518436
6	-0.648096	3.831326	-2.196178
1	-0.032091	4.191311	-3.027169
1	-1.626493	3.565678	-2.607802
1	-0.793145	4.673960	-1.515752
15	-0.967205	1.673955	-0.299591
6	1.373913	3.035995	-0.890036
1	1.241124	3.759242	-0.075833
1	1.899682	2.164259	-0.482965
1	2.035225	3.497940	-1.629893
6	-1.603305	-2.867596	0.788597
6	-2.729018	-1.981473	0.351891
6	-4.092686	-2.271356	0.381715
1	-4.440508	-3.240402	0.736537

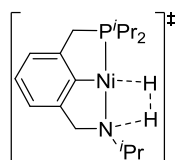
7	-0.325610	-2.265356	0.357121
6	-1.647779	4.134706	1.032607
1	-0.899446	4.748910	0.525382
1	-1.852838	4.604816	2.000791
1	-2.575053	4.184231	0.450261
1	-1.726422	-3.893635	0.409243
1	1.412175	-0.316054	0.208872
6	-2.304906	-0.719864	-0.102238
1	0.241223	1.895614	-2.292700
1	-0.176246	2.721675	1.688212
28	-0.491574	-0.419287	0.063594
1	-1.599676	-2.964174	1.885367
6	0.261192	-2.922741	-0.830231
1	1.123835	-2.293231	-1.109071
6	-0.670087	-3.000313	-2.036659
1	-0.172725	-3.478349	-2.887611
1	-1.001210	-2.001471	-2.339129
1	-1.568241	-3.587110	-1.811074
6	0.822208	-4.299113	-0.476191
1	0.025916	-4.993290	-0.183947
1	1.533659	-4.227938	0.351042
1	1.337077	-4.741081	-1.335748
1	1.118084	-2.124614	1.302121
6	5.375594	-0.990930	-0.831757
6	5.995176	0.250992	-0.702507
6	5.367245	1.257869	0.022873
6	4.126075	1.027080	0.612785
6	3.495296	-0.213734	0.485569
6	4.138377	-1.220813	-0.242078
1	5.863338	-1.786229	-1.389215
1	6.964733	0.429478	-1.159437
1	5.846029	2.226622	0.139152
1	3.656678	1.822655	1.186379
1	3.657657	-2.192139	-0.316310
6	2.133118	-0.502301	1.081704
6	1.708162	0.438995	2.199426
1	2.413092	0.381437	3.034486
1	1.645441	1.479878	1.861339
1	0.716959	0.144807	2.561373
8	2.065193	-1.832830	1.470255



C-IM2

6	-1.276536	1.199231	1.229930
1	-1.268131	0.791662	2.250369
1	-2.087721	1.938891	1.198287
6	0.065745	1.760906	0.854765
6	0.467841	3.065055	1.151205
1	-0.197508	3.729827	1.700294
6	1.720207	3.517667	0.738153
1	2.029010	4.532950	0.974539
6	-2.499746	0.503126	-1.357928
6	-1.643018	1.555952	-2.058877
1	-2.148158	1.905796	-2.965359
1	-1.474821	2.427062	-1.415855
1	-0.658784	1.166512	-2.336993
6	-2.666132	-1.411485	0.946483
6	-3.724973	-0.807679	1.863708
1	-4.233052	-1.604008	2.418420
1	-3.296791	-0.122709	2.600175
1	-4.492768	-0.261020	1.310415
15	-1.543462	-0.211276	0.071778
6	-3.271603	-2.394659	-0.049676
1	-4.014589	-1.907528	-0.691086
1	-2.514764	-2.842462	-0.703150
1	-3.780260	-3.210774	0.472671
6	2.973495	0.349968	-1.021298
6	2.193580	1.368678	-0.258396
6	2.577493	2.679736	0.025528
1	3.549805	3.047569	-0.299259
7	2.349251	-0.975449	-0.889943
6	-3.878425	1.057366	-1.019369
1	-4.576261	0.282336	-0.692016
1	-4.315579	1.537722	-1.901759
1	-3.828954	1.818992	-0.232465
1	4.030417	0.327537	-0.706971
1	-0.123236	-2.357222	-0.802591
6	0.930945	0.907377	0.150148
1	-1.957605	-1.966667	1.578585

1	-2.620422	-0.348082	-2.043562
28	0.500672	-0.811785	-0.441941
1	2.996138	0.632900	-2.087236
6	3.130460	-1.821770	0.013581
1	4.161980	-1.833146	-0.389136
6	2.640156	-3.260861	0.006042
1	1.685316	-3.358768	0.538913
1	3.355945	-3.917967	0.510129
1	2.502258	-3.625621	-1.017131
6	3.214701	-1.307012	1.453108
1	2.216512	-1.328461	1.910150
1	3.565611	-0.270883	1.495056
1	3.890501	-1.916941	2.065223
1	0.569110	-2.309806	-1.214022



C-TS2

6	1.235427	1.210049	-1.260145
1	1.244340	0.787384	-2.274539
1	2.027560	1.970860	-1.237182
6	-0.125575	1.739719	-0.897843
6	-0.601966	3.012254	-1.220978
1	0.009723	3.700670	-1.802376
6	-1.868365	3.404423	-0.787268
1	-2.239126	4.394000	-1.043144
6	2.511941	0.574493	1.324427
6	1.661230	1.642716	2.009095
1	2.177351	2.019477	2.898552
1	1.479874	2.496094	1.345870
1	0.683235	1.255820	2.312557
6	2.643396	-1.395251	-0.940427
6	3.694921	-0.809305	-1.877365
1	4.186146	-1.615637	-2.432819
1	3.265208	-0.124520	-2.613492
1	4.476950	-0.268123	-1.339043
15	1.537006	-0.180417	-0.069077
6	3.249021	-2.365936	0.067526
1	3.999112	-1.871513	0.695564

1	2.487931	-2.793766	0.727971
1	3.751367	-3.191677	-0.445989
6	-2.891412	0.250511	1.164952
6	-2.199948	1.271990	0.298701
6	-2.662779	2.547930	-0.020073
1	-3.640236	2.883607	0.324344
7	-2.335396	-1.087903	0.932420
6	3.883753	1.123358	0.951602
1	4.581093	0.339936	0.643726
1	4.328731	1.635450	1.811942
1	3.822559	1.857242	0.139538
1	-3.984116	0.234399	1.016340
1	-0.334943	-2.158331	1.452116
6	-0.930480	0.869877	-0.152145
1	1.925062	-1.956109	-1.555996
1	2.642511	-0.259076	2.028902
28	-0.443157	-0.797046	0.512990
1	-2.740459	0.515212	2.222354
6	-3.064128	-1.869030	-0.070918
1	-4.092230	-1.994829	0.320087
6	-2.454707	-3.254040	-0.215961
1	-1.450906	-3.191355	-0.656257
1	-3.068600	-3.876088	-0.873871
1	-2.364802	-3.760131	0.749781
6	-3.178823	-1.200886	-1.439522
1	-2.186744	-1.093318	-1.895242
1	-3.614326	-0.199146	-1.375221
1	-3.807005	-1.799019	-2.109416
1	-1.273215	-1.815898	1.508490