

Supplementary Information:

Discovery and Engineering of Low Work Function Perovskite Materials

1. Work function convergence with respect to number of surface layers relaxed

In this work, we performed a convergence test of work function with respect to number of surface layers relaxed on SrNbO₃. A 15-layer surface slab that is (001) SrO terminated (148 atoms per supercell) was simulated at the GGA level without spin polarization, we relaxed from 1 to 5 layers on each side of the slab symmetrically and measured its work function, as shown in **Table 1**, relaxing 3 layers is sufficient to reach work function convergence. This result is in agreement with the octahedral tilting which occurs in the unit of 3 layers.

Table 1. Work functions of SrNbO₃ with different numbers of surface layers relaxed

Number of surface layers relaxed	1	2	3	4	5
Work function (eV)	1.46	1.49	1.17	1.21	1.19

In this series of work function calculations, we performed non-spin polarized (NSP) simulations because we found that different magnetic states don't have obvious influence on work function. As shown in **Table 2**, switching on spin polarization doesn't make a major difference on work functions of different terminations of SrNbO₃.

2. Work function convergence with respect to *k*-point mesh

The convergence of work function with respect to k -point mesh was tested on SrTiO₃. We simulated a 9-layer (001) SrO terminated surface slab (88 atoms) with $2 \times 2 \times 1$, $3 \times 3 \times 1$, and $4 \times 4 \times 1$ Monkhorst-Pack k -point mesh, respectively. For the simulations with $3 \times 3 \times 1$ and $4 \times 4 \times 1$ k -point mesh, we only performed a static run because only in this way is the task computationally feasible. The results are shown in **Table 3**, from which we can see that a $2 \times 2 \times 1$ k -point mesh is dense enough to reach work function convergence.

Table 2. Work functions of SrNbO₃ with spin polarization on and off

	NSP simulation	Spin polarized simulation	
Termination	Work function (eV)	Work function (eV)	Total magnetic moment (μ_B)
(001) SrO	1.15	1.23	4.00
(011) SrNbO	3.55	3.26	10.00
(111) Nb	3.87	3.74	20.00

Table 3. Work functions of SrTiO₃ with different k -point meshes

k -point mesh	$2 \times 2 \times 1$	$3 \times 3 \times 1$	$4 \times 4 \times 1$
Work function (eV)	4.32	4.22	4.26

3. Influence of the amount of exact exchange

We tested different amounts of exact exchange (0.125 and 0.25) to see if work function would be influenced by this parameter. The sum of the fraction of the exact exchange and LDA exchange is always 1. Therefore, if 0.125 exact exchange is used, then 0.875 LDA exchange is added; and if 0.25 exact exchange is used, then 0.75 LDA exchange is added. We also fixed the range separation parameter to be 0.2, so 0.25 exact exchange gave standard HSE06 functional.

We picked 2 systems with high and low work function, respectively. The results shown below in **Table 4** indicate that work function is insensitive to amount of exact exchange.

Table 4. Work functions of $\text{Ba}_{0.5}\text{La}_{0.25}\text{Rb}_{0.25}\text{NbO}_3$ and PrHfO_3 with different amounts of exact exchange

Material	Work function (eV, exact exchange	Work function (eV, exact exchange
	0.125)	0.25)
$\text{Ba}_{0.5}\text{La}_{0.25}\text{Rb}_{0.25}\text{NbO}_3$	0.99 eV	0.96 eV
PrHfO_3	3.02 eV	3.06 eV

4. Energies above convex hull and O 2*p*-band centers of different cation orderings

In our screening at the GGA+*U* level, we have considered doped systems with up to 50% dopant concentration. In this situation, dopant cations have various possible orderings, so here we also tested 2 different cation orderings in 3 different systems to see the influence on energy above convex hull and O 2*p*-band center. The 2 orderings we considered are shown in **Figure 1**, in ordering A (left), dopant cations are separated as far from each other as possible; while in ordering B (right), dopants are segregated in (011) plane. The results are shown in **Table 5**, different systems prefer different orderings, but either way the O 2*p*-band center seems almost unchanged.

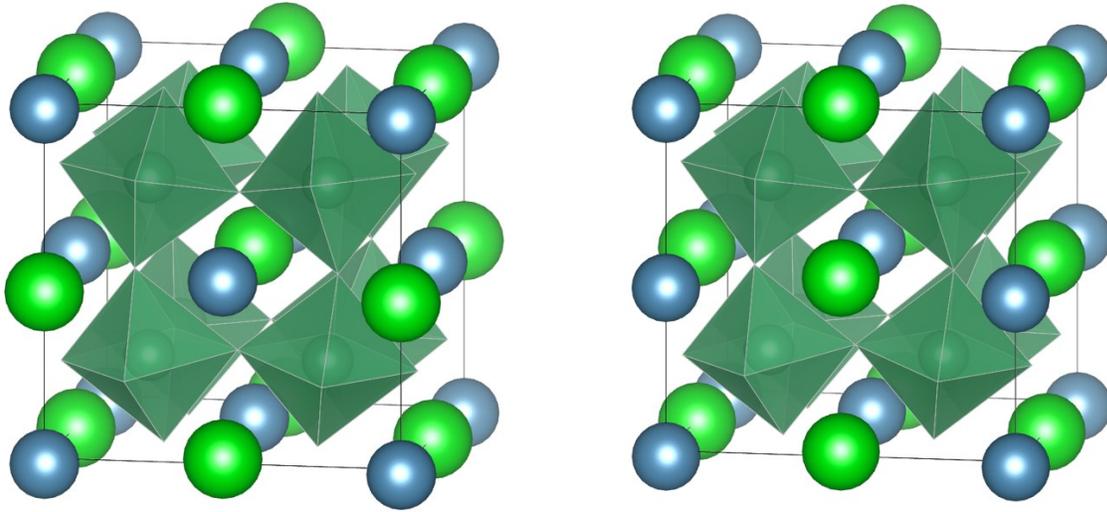


Figure 1. Different cation orderings

Table 5. Energies above convex hull and O 2*p*-band centers of different cation orderings

Material	Ordering A		Ordering B	
	Energy above convex hull (meV/atom)	O 2 <i>p</i> -band (eV)	Energy above convex hull (meV/atom)	O 2 <i>p</i> -band (eV)
Sr _{0.5} Ca _{0.5} NbO ₃	193.3	-4.59	193.6	-4.60
Ba _{0.5} Ca _{0.5} NbO ₃	212.5	-4.48	189.2	-4.48
Ba _{0.5} Ca _{0.5} VO ₃	131.8	-2.53	124.5	-2.33

5. Verification of the linear correlation between work function and O 2*p*-band center

We have selected three A_xA'_{1-x}BO₃ and three AB_xB'_{1-x}O₃ to verify the linear correlation for doped perovskites, their O 2*p*-band centers and work functions are listed below in **Table 6**, and are also plotted in **Figure 2** with other undoped perovskites. The RMSE after adding these new data points is 0.30 eV, almost the same as the previous 0.29 eV RMSE, indicating the linear correlation is valid for doped perovskites.

Table 6. O 2*p*-band centers and work functions of select doped perovskites

Doped perovskite	O 2 <i>p</i> -band center (eV)	Work function (eV)
SrV _{0.75} Fe _{0.25} O ₃	-3.009	2.1565
SrZr _{0.125} Nb _{0.875} O ₃	-3.52	1.557
BaTi _{0.125} Nb _{0.875} O ₃	-4.407	1.8515
Ba _{0.25} Sr _{0.75} VO ₃	-3.719	1.725
Sr _{0.875} La _{0.125} VO ₃	-4.074	1.6665
Ba _{0.75} Ca _{0.25} NbO ₃	-4.316	1.181

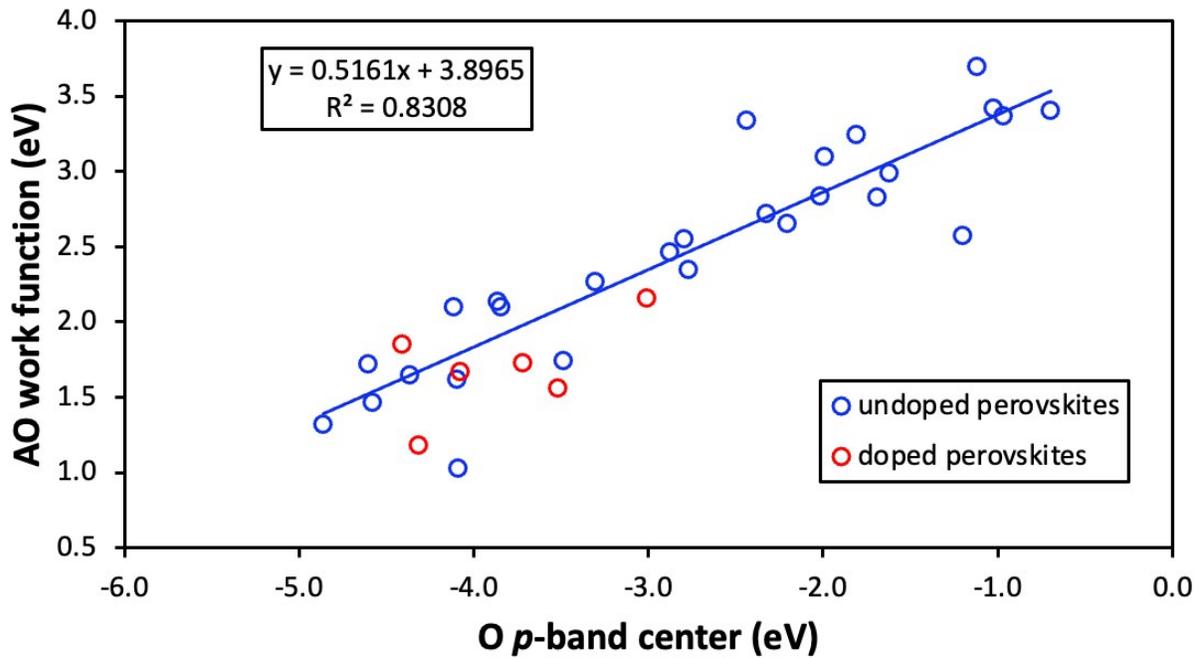


Figure 2. Linear correlation between work function and O 2*p*-band center

6. All perovskites used in the screening

All perovskites used in our screening are listed in **Table 7**. Perovskites that passed our criterion 1 are colored in blue; those passed criterion 2 are colored in green; and the 25 perovskites that entered our HSE band gap check are colored in yellow. The structures of doped perovskites at different concentrations are shown in **Figure 3**.

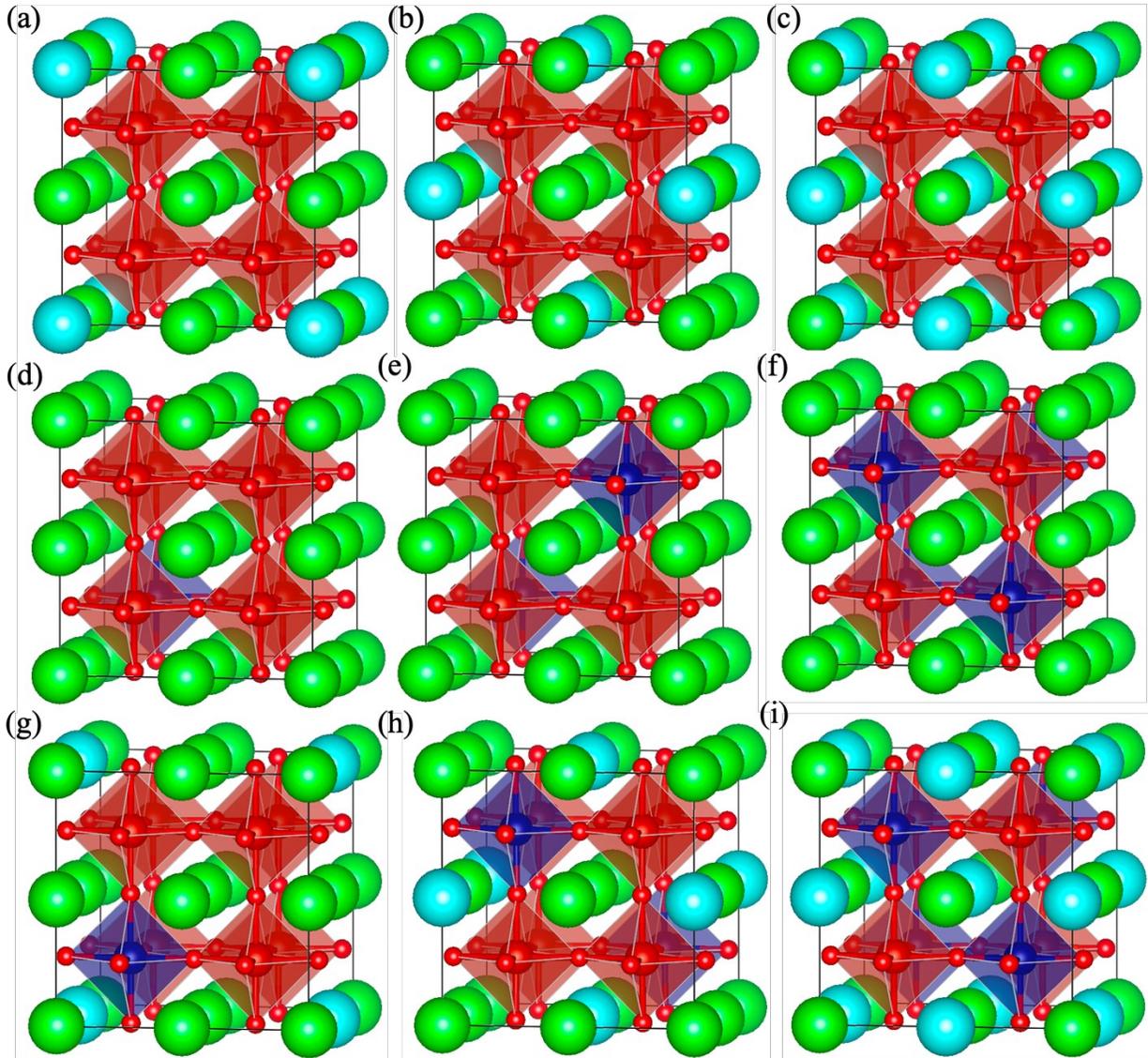


Figure 3. Schematic structures of $A_xA'_{1-x}B_yB'_{1-y}O_3$. (a) $A_{0.875}A'_{0.125}BO_3$ (b) $A_{0.75}A'_{0.25}BO_3$ (c) $A_{0.5}A'_{0.5}BO_3$ (d) $AB_{0.875}B'_{0.125}O_3$ (e) $AB_{0.75}B'_{0.25}O_3$ (f) $AB_{0.5}B'_{0.5}O_3$ (g) $A_{0.875}A'_{0.125}B_{0.875}B'_{0.125}O_3$ (h) $A_{0.75}A'_{0.25}B_{0.75}B'_{0.25}O_3$ (i) $A_{0.5}A'_{0.5}B_{0.5}B'_{0.5}O_3$.

Table 7. O 2*p*-band centers and work functions of select doped perovskites

Composition	O 2 <i>p</i> -band (eV)	Stability (meV/atom) (GGA+ <i>U</i>)	Predicted WF (eV)
La 6 Y 2 Mo 8	-5.044	25.02635408	1.2932916
Ca 2 La 6 Mo 8	-4.86	0	1.388254
La 8 Mn 1 Ga 7	-4.821	40.6185397	1.4083819
La 4 Y 4 Mo 8	-4.796	0	1.4212844
La 6 Gd 2 V 8	-4.786	0	1.4264454
Sr 4 La 4 Mo 8	-4.777	0	1.4310903
Gd 4 Y 4 Mo 8	-4.732	24.17506577	1.4543148
Ca 4 La 4 Mo 8	-4.703	0	1.4692817
La 4 Gd 4 V 8	-4.699	0	1.4713461
La 8 Ti 4 Fe 4	-4.637	30.65781325	1.5033443
La 8 Mg 1 V 7	-4.622	0	1.5110858
Pr 4 Gd 4 V 8	-4.606	0	1.5193434
Pr 4 Gd 4 Mo 8	-4.601	0	1.5219239
La 8 V 4 Fe 4	-4.522	37.66276252	1.5626958
Pr 6 Gd 2 V 8	-4.495	0	1.5766305
Y 8 Mo 8	-4.495	0	1.5766305
Ca 8 Mo 8	-4.49	0	1.579211
Ba 2 Ca 6 Mo 8	-4.464	14.04827888	1.5926296
Gd 2 Y 6 Mo 8	-4.461	0	1.5941779
Sr 8 Mo 8	-4.46	0	1.594694
Gd 8 V 8	-4.452	25.378115	1.5988228
Gd 4 Y 4 V 8	-4.45	0	1.599855
La 8 Mg 2 V 6	-4.425	0	1.6127575
Ba 8 Zr 3 Ta 4 Fe 1	-4.414	41.29268713	1.6184346
La 8 Cr 8	-4.382	0	1.6349498
Pr 4 Y 4 Mo 8	-4.362	0	1.6452718
Gd 2 Y 6 V 8	-4.346	0	1.6535294
La 6 Ho 2 Cr 8	-4.344	0	1.6545616
Ca 4 La 4 V 8	-4.342	31.83859903	1.6555938
Pr 6 Y 2 Mo 8	-4.314	0	1.6700446
Ca 4 Y 4 Mo 8	-4.309	0	1.6726251
Ba 4 Sr 4 Mo 8	-4.306	19.72736169	1.6741734
Sr 4 Gd 4 Mo 8	-4.285	0	1.6850115
Sr 8 V 4 Mo 4	-4.281	8.712906633	1.6870759

Ba 2 Pr 6 Mo 8	-4.264	6.116287031	1.6958496
Y 4 Ho 4 V 8	-4.251	0	1.7025589
Dy 4 Y 4 V 8	-4.235	0	1.7108165
Dy 2 Y 6 V 8	-4.213	0	1.7221707
Y 8 V 8	-4.211	0	1.7232029
Y 6 Ho 2 V 8	-4.205	0	1.7262995
Sm 2 Y 6 V 8	-4.205	0	1.7262995
Sr 2 Pr 6 Mo 8	-4.204	0	1.7268156
La 8 Ti 4 Mn 4	-4.201	37.34883385	1.7283639
Pr 8 Mg 1 V 7	-4.198	0	1.7299122
Nd 2 Y 6 V 8	-4.197	0	1.7304283
Ca 2 Pr 6 Mo 8	-4.195	0	1.7314605
Sm 4 Y 4 V 8	-4.192	0	1.7330088
Ca 4 Pr 4 Mo 8	-4.191	0	1.7335249
Ca 2 Gd 6 V 8	-4.187	19.97046038	1.7355893
Nd 4 Y 4 V 8	-4.183	0	1.7376537
Sr 8 V 4 Re 4	-4.16	39.09860284	1.749524
Y 8 V 7 Cr 1	-4.158	0	1.7505562
Sr 4 Y 4 Mo 8	-4.147	0	1.7562333
Y 8 V 6 Cr 2	-4.145	0	1.7572655
Sr 4 Pr 4 Mo 8	-4.136	0	1.7619104
Y 8 Mn 1 V 7	-4.111	37.7214358	1.7748129
Sr 8 Nb 4 Mo 4	-4.11	0	1.775329
Y 8 V 7 Fe 1	-4.102	0	1.7794578
Ba 8 Mo 8	-4.097	24.19231953	1.7820383
La 6 Gd 2 Cr 8	-4.075	0	1.7933925
Y 8 V 7 Co 1	-4.071	5.087273213	1.7954569
La 8 Mn 2 Ga 6	-4.069	22.11044333	1.7964891
La 8 Mg 4 V 4	-4.066	0	1.7980374
Ca 2 Y 6 V 8	-4.056	0	1.8031984
Y 8 V 6 Fe 2	-4.044	32.01964731	1.8093916
Y 8 V 7 Ni 1	-4.042	1.923515963	1.8104238
Ba 2 Y 6 Mo 8	-4.042	31.43074333	1.8104238
Pr 4 Y 4 V 8	-4.042	38.97594952	1.8104238
Y 8 V 4 Cr 4	-4.036	0	1.8135204
Ba 4 Pr 4 Mo 8	-4.036	30.80396453	1.8135204
Sr 8 Nb 6 Co 2	-4.028	37.35201131	1.8176492
La 6 Gd 2 Mn 8	-4.02	0	1.821778
Y 8 Mn 2 V 6	-4.015	35.85996811	1.8243585

Ba 8 Nb 4 Mo 4	-4.012	0	1.8259068
Y 8 Ti 4 Fe 4	-4.008	15.3163645	1.8279712
Sr 8 V 6 Re 2	-4.008	40.23740232	1.8279712
La 8 Mn 4 Fe 4	-4.007	0	1.8284873
La 4 Gd 4 Mn 8	-4.006	0	1.8290034
Y 8 Mg 1 V 7	-3.998	0	1.8331322
Sr 2 Y 6 V 8	-3.989	0	1.8377771
La 4 Nd 4 Cr 8	-3.988	0	1.8382932
La 8 Ga 4 Fe 4	-3.977	0	1.8439703
Y 8 V 6 Co 2	-3.977	15.66639293	1.8439703
La 4 Sm 4 Cr 8	-3.965	0	1.8501635
La 4 Ho 4 Cr 8	-3.958	0	1.8537762
Y 8 Ti 4 Mn 4	-3.934	25.1156351	1.8661626
La 8 Mg 1 Mn 7	-3.928	0	1.8692592
La 8 Mg 2 Mn 6	-3.921	0	1.8728719
La 8 Fe 8	-3.918	0	1.8744202
Sr 8 Nb 4 V 4	-3.913	0	1.8770007
La 8 Sc 4 Fe 4	-3.913	0	1.8770007
La 6 Nd 2 Fe 8	-3.904	0	1.8816456
Sr 8 Ta 4 V 4	-3.902	0	1.8826778
La 8 Cr 7 Fe 1	-3.893	0	1.8873227
La 8 Mn 4 Ga 4	-3.882	0	1.8929998
La 6 Dy 2 Fe 8	-3.881	0	1.8935159
La 8 Mn 2 Fe 6	-3.877	32.61975717	1.8955803
Ba 8 Zr 5 Ta 2 Fe 1	-3.876	7.10543E-13	1.8960964
La 8 Mn 4 Cr 4	-3.875	0	1.8966125
La 6 Sm 2 Fe 8	-3.874	0	1.8971286
Ba 8 Zr 3 Nb 4 Fe 1	-3.873	21.41356744	1.8976447
La 6 Gd 2 Fe 8	-3.87	0	1.899193
Ca 4 Gd 4 V 8	-3.86	15.86530577	1.904354
La 6 Ho 2 Fe 8	-3.857	0	1.9059023
Ca 8 V 8	-3.851	0	1.9089989
Sr 8 V 6 Mo 2	-3.848	31.14049421	1.9105472
Ca 4 Y 4 V 8	-3.84	0	1.914676
Y 8 V 4 Fe 4	-3.836	0	1.9167404
La 4 Gd 4 Fe 8	-3.832	0	1.9188048
Sr 4 Ca 4 Nb 4 V 4	-3.821	16.98337637	1.9244819
Gd 4 Y 4 Mn 8	-3.818	0	1.9260302
La 8 Cr 6 Co 2	-3.818	30.02468793	1.9260302

La 8 Cr 2 Ga 6	-3.815	0	1.9275785
Pr 8 Mg 2 V 6	-3.809	0	1.9306751
La 4 Nd 4 Fe 8	-3.794	0	1.9384166
Y 8 Mg 2 V 6	-3.793	0	1.9389327
Y 8 Mn 4 V 4	-3.79	26.31509721	1.940481
La 8 Fe 7 Co 1	-3.784	0	1.9435776
La 4 Sm 4 Fe 8	-3.781	0	1.9451259
Ba 2 Sr 6 Nb 4 V 4	-3.773	26.95458893	1.9492547
Gd 4 Y 4 Cr 8	-3.769	0	1.9513191
La 8 Sc 4 Cr 4	-3.764	0	1.9538996
La 4 Ho 4 Fe 8	-3.761	0	1.9554479
La 4 Dy 4 Fe 8	-3.758	0	1.9569962
Sr 8 Ta 2 V 6	-3.751	0	1.9606089
Gd 2 Y 6 Mn 8	-3.745	0	1.9637055
La 8 Fe 7 Ni 1	-3.738	22.01071324	1.9673182
Pr 4 Gd 4 Cr 8	-3.735	0	1.9688665
Ca 4 Pr 4 V 8	-3.734	39.48324603	1.9693826
Sr 4 Y 4 V 8	-3.73	5.738521398	1.971447
La 8 Sc 6 Mn 2	-3.721	0	1.9760919
Pr 4 Gd 4 Mn 8	-3.716	0	1.9786724
La 8 Mn 1 Fe 7	-3.715	0	1.9791885
Sr 8 V 7 Re 1	-3.709	38.96777081	1.9822851
Sr 8 Nb 2 V 6	-3.703	0	1.9853817
Sr 1 La 7 Fe 8	-3.702	0	1.9858978
La 8 Cr 1 Ga 7	-3.702	1.747132	1.9858978
Ca 1 La 7 Fe 8	-3.697	0.310343248	1.9884783
Sr 8 V 7 Mo 1	-3.688	35.97619175	1.9931232
La 8 Sc 6 Fe 2	-3.685	0	1.9946715
Ba 4 Sr 4 Nb 4 V 4	-3.668	32.73468826	2.0034452
La 8 Cr 2 Fe 6	-3.665	25.80506	2.0049935
Y 8 Mn 1 Cr 7	-3.665	30.87097007	2.0049935
Ba 4 Sr 4 Ta 4 V 4	-3.661	36.2432757	2.0070579
Sr 8 V 8	-3.657	41.8718893	2.0091223
Ba 2 Y 6 V 8	-3.931	42.79143678	1.8677109
La 4 Y 4 V 8	-4.507	43.80730252	1.5704373
Sr 4 Ca 4 Nb 2 V 6	-3.741	44.4696198	1.9657699
La 8 V 4 Co 4	-4.144	44.51707137	1.7577816
Sr 7 La 1 V 8	-3.719	44.96170958	1.9771241
Sr 6 Pr 2 V 8	-3.829	45.08272836	1.9203531

Sr 7 La 1 Ta 1 V 7	-3.836	45.10519401	1.9167404
Sr 4 La 4 V 8	-4.377	45.20817041	1.6375303
La 8 Mn 2 V 6	-4.456	45.71233681	1.5967584
Sr 2 Gd 6 V 8	-4.153	45.73599607	1.7531367
Ca 2 Pr 6 V 8	-3.918	46.71187078	1.8744202
Sr 6 Nd 2 V 8	-3.841	47.47609911	1.9141599
Pr 4 Ba 4 Ta 4 Fe 4	-4.33	47.5566225	1.661787
Ca 2 La 6 V 8	-4.584	47.71202528	1.5306976
La 6 Pr 2 Mo 8	-5.108	48.20811865	1.2602612
Sr 7 Ca 1 V 8	-3.708	49.15535946	1.9828012
La 8 V 6 Fe 2	-4.643	49.40973202	1.5002477
Sr 2 La 6 V 8	-4.598	49.42806097	1.5234722
Sr 7 Gd 1 V 8	-3.674	49.55744876	2.0003486
Sr 6 La 2 V 8	-4.031	49.91852986	1.8161009
La 8 Ti 4 Co 4	-3.668	50.22705448	2.0034452
Pr 6 Y 2 V 8	-4.037	50.43347252	1.8130043
La 4 Sm 4 V 8	-4.662	50.49754453	1.4904418
Pr 8 Ti 4 Fe 4	-4.294	50.93742775	1.6803666
Sr 6 Sm 2 V 8	-3.829	50.97307636	1.9203531
Ba 4 Ca 4 Mo 8	-4.392	51.51287577	1.6297888
Sr 6 Ca 2 Ta 2 V 6	-3.87	51.61634411	1.899193
Pr 8 V 8	-4.051	51.67124553	1.8057789
Pr 4 Dy 4 V 8	-4.255	51.69086202	1.7004945
La 8 V 7 Fe 1	-4.692	51.78171678	1.4749588
Pr 4 Ho 4 V 8	-4.252	52.26723552	1.7020428
Ba 2 Ca 6 Nb 4 V 4	-3.84	52.88473498	1.914676
La 8 V 7 Cr 1	-4.752	53.36768928	1.4439928
Ba 8 Zr 4 Nb 4	-4.167	53.89163776	1.7459113
La 6 Nd 2 V 8	-4.722	53.92527078	1.4594758
La 8 Mn 8	-4.046	53.97749993	1.8083594
Sr 6 Gd 2 V 8	-3.923	54.22175822	1.8718397
La 6 Sm 2 V 8	-4.725	54.25599803	1.4579275
Y 8 V 6 Ni 2	-3.859	54.40612843	1.9048701
La 4 Dy 4 V 8	-4.667	54.55546502	1.4878613
La 4 Pr 4 V 8	-4.52	54.61259853	1.563728
La 6 Nd 2 Mn 8	-4.025	54.63847824	1.8191975
La 4 Nd 4 Mn 8	-3.921	54.85245655	1.8728719
Pr 6 Dy 2 V 8	-4.209	54.93342877	1.7242351
La 8 V 8	-4.601	54.94820153	1.5219239

La 8 Mn 7 Fe 1	-4.034	55.19317994	1.8145526
Ba 8 Nb 6 Mo 2	-4.004	55.28567158	1.8300356
Sr 6 Y 2 V 8	-3.818	55.34170535	1.9260302
La 6 Y 2 V 8	-4.567	55.83737702	1.5394713
La 8 Mn 7 Cr 1	-4.036	56.03238787	1.8135204
Rb 2 Ba 6 Nb 6 Cr 2	-3.659	56.21313698	2.0080901
Pr 6 Ho 2 V 8	-4.189	56.22736552	1.7345571
Sr 6 Ca 2 V 8	-3.77	56.51132962	1.950803
La 4 Ho 4 V 8	-4.678	56.80208852	1.4821842
Pr 8 Mn 4 V 4	-3.806	57.12295448	1.9322234
Sr 4 Gd 4 V 8	-3.846	57.60337715	1.9115794
La 8 V 4 Cr 4	-4.6	58.69015252	1.52244
Ba 8 Nb 6 V 2	-3.838	58.73852368	1.9157082
Sr 6 La 2 Ta 2 V 6	-4.14	58.77874872	1.759846
La 6 Dy 2 V 8	-4.717	58.95033327	1.4620563
La 8 Mn 6 Fe 2	-3.866	59.10160994	1.9012574
Sr 4 Ca 4 Ta 4 V 4	-4.167	60.22745447	1.7459113
Ba 4 Gd 4 Mo 8	-4.209	60.7756999	1.7242351
La 8 Mn 6 Cr 2	-4.002	60.91102582	1.8310678
Ba 6 Sr 2 Nb 6 Fe 2	-3.763	60.9854941	1.9544157
La 6 Sm 2 Mn 8	-4.016	60.9868669	1.8238424
Ba 8 Mn 2 Nb 6	-3.786	61.70016795	1.9425454
Rb 1 Ba 7 Nb 7 Fe 1	-3.784	61.80598226	1.9435776
La 6 Ho 2 V 8	-4.695	61.91852002	1.4734105
Sr 6 La 2 V 6 Cr 2	-3.725	61.99285407	1.9740275
Sr 6 Dy 2 V 8	-3.814	61.9954116	1.9280946
Pr 8 V 4 Fe 4	-3.949	62.241837	1.8584211
Ba 8 Ti 4 Nb 4	-3.88	62.29706988	1.894032
Sr 6 La 2 Nb 2 V 6	-4.179	62.85441661	1.7397181
La 8 V 6 Cr 2	-4.693	62.87042702	1.4744427
Sr 2 La 6 Mn 8	-3.74	63.07105696	1.966286
La 8 Mn 7 Co 1	-3.973	63.29718009	1.8460347
Pr 8 V 4 Cr 4	-4.15	63.86570852	1.754685
Ba 4 Y 4 Mo 8	-3.9	64.1844354	1.88371
Sr 6 Ho 2 V 8	-3.66	64.93634835	2.007574
Pr 8 Ti 4 Mn 4	-4.027	65.01144835	1.8181653
La 4 Sm 4 Mn 8	-3.934	65.09673386	1.8661626
Sr 2 Pr 6 V 8	-4.156	65.52165647	1.7515884
Y 8 Mn 4 Fe 4	-3.679	66.18414933	1.9977681

Pr 8 V 6 Fe 2	-4.217	67.50141627	1.7201063
La 8 V 6 Co 2	-4.482	68.35951145	1.5833398
Pr 8 V 6 Cr 2	-4.144	69.12585202	1.7577816
Sr 8 Nb 6 Fe 2	-3.86	69.45791595	1.904354
Rb 1 Ba 7 Nb 7 V 1	-3.895	69.75085376	1.8862905
Y 8 Mn 6 Fe 2	-3.664	69.81278463	2.0055096
La 8 V 7 Co 1	-4.634	70.60523149	1.5048926
Pr 8 V 7 Cr 1	-4.323	71.14642378	1.6653997
Pr 8 V 7 Fe 1	-4.243	72.3704559	1.7066877
Ba 6 Sr 2 Nb 6 V 2	-3.934	72.40780726	1.8661626
La 6 Dy 2 Mn 8	-4.019	72.68491143	1.8222941
Sr 6 Ca 2 Mn 2 Nb 6	-3.961	72.84192851	1.8522279
Rb 2 Sr 6 Nb 6 Cr 2	-3.91	72.9959526	1.878549
Ba 2 Ca 6 Nb 2 V 6	-3.658	73.11999462	2.0086062
Pr 8 Mn 1 V 7	-4.094	73.36379777	1.7835866
La 8 Mn 4 V 4	-4.253	73.3952221	1.7015267
Pr 8 V 7 Co 1	-4.215	73.44172793	1.7211385
Ba 2 Sr 6 Mn 2 Nb 6	-3.889	73.68424024	1.8893871
Ba 2 La 6 V 8	-4.538	74.06224296	1.5544382
Y 8 Mn 8	-3.664	74.22941993	2.0055096
Pr 6 Nd 2 V 8	-4.387	75.67911628	1.6323693
La 6 Ho 2 Mn 8	-4.001	75.79915399	1.8315839
Pr 4 Nd 4 V 8	-4.39	76.75098703	1.630821
Pr 8 Mn 2 V 6	-3.965	76.8666	1.8501635
Ba 2 Gd 6 Mo 8	-4.622	77.39264008	1.5110858
Ba 8 Nb 7 Fe 1	-3.879	77.43944879	1.8945481
Sr 4 La 4 Ti 4 V 4	-4.478	78.24449527	1.5854042
Ba 6 Sr 2 Mn 2 Nb 6	-3.872	78.95620152	1.8981608
Ba 2 La 6 Mn 8	-3.667	79.10546449	2.0039613
Cs 1 Ba 7 Nb 7 Fe 1	-3.748	79.68245826	1.9621572
Pr 6 Sm 2 V 8	-4.392	80.27434353	1.6297888
Ba 8 Zr 6 Fe 1 W 1	-3.734	80.62302869	1.9693826
Ba 4 Sr 4 Ti 4 Nb 4	-4.045	80.7791329	1.8088755
Sr 8 Ti 4 Nb 4	-4.201	81.12931445	1.7283639
La 8 Cr 4 Co 4	-3.719	81.32277235	1.9771241
Pr 8 V 4 Co 4	-3.669	82.14642512	2.0029291
Pr 4 Sm 4 V 8	-4.401	82.15069153	1.6251439
Rb 2 Ba 6 Nb 8	-3.886	82.25343383	1.8909354
Sr 4 La 4 V 4 Cr 4	-4.004	82.53993722	1.8300356

La 4 Dy 4 Mn 8	-3.928	83.45557293	1.8692592
Rb 1 Ba 7 Nb 7 Cr 1	-3.912	83.52408223	1.8775168
Rb 4 Ba 4 Ta 4 Nb 4	-3.925	83.79187363	1.8708075
Ca 2 La 6 Mn 8	-3.765	84.39626436	1.9533835
Ba 8 Nb 6 Cr 2	-3.875	84.43142859	1.8966125
Ba 8 Mn 1 Nb 7	-3.899	84.56681177	1.8842261
Ba 2 Pr 6 V 8	-3.858	85.39825581	1.9053862
Ba 8 Nb 7 V 1	-3.984	85.41936464	1.8403576
Ba 4 Sr 4 Nb 6 V 2	-4.035	85.46809083	1.8140365
Dy 4 Y 4 Mn 8	-3.681	85.60736683	1.9967359
La 8 V 7 Ni 1	-4.614	86.20772424	1.5152146
Sr 8 Nb 7 Co 1	-4.423	86.31640921	1.6137897
Ba 8 Nb 7 Mo 1	-4.079	86.58206359	1.7913281
Sr 8 Nb 6 V 2	-4.236	86.85803974	1.7103004
La 6 Gd 2 Mo 8	-5.123	87.26848633	1.2525197
Rb 1 Sr 7 Mn 1 Nb 7	-4.029	87.54292313	1.8171331
Cs 1 Ba 7 Nb 7 V 1	-3.861	87.72137411	1.9038379
La 8 Mn 6 Co 2	-3.875	87.82261025	1.8966125
Sr 8 Zr 4 Nb 4	-4.443	87.85366645	1.6034677
Pr 8 V 6 Co 2	-4.119	87.96546032	1.7706841
Sr 8 V 7 Os 1	-3.678	88.44990912	1.9982842
Y 4 Ho 4 Mn 8	-3.694	88.81101082	1.9900266
Rb 4 Sr 4 Nb 8	-3.873	90.2516162	1.8976447
La 8 Mn 7 Ni 1	-4.029	90.85467284	1.8171331
Sr 8 Nb 6 Mo 2	-4.315	91.43620605	1.6695285
Ba 2 Sr 6 Nb 6 V 2	-4.12	92.57113908	1.770168
Ba 7 Sr 1 Mn 1 Nb 7	-3.942	92.60407856	1.8620338
Ba 7 Sr 1 Nb 7 V 1	-4.033	92.61213143	1.8150687
Ba 8 Nb 6 Fe 2	-3.689	92.76895126	1.9926071
Ba 8 Nb 8	-4.29	92.8362056	1.682431
Ba 6 Ca 2 Nb 6 Fe 2	-3.868	92.89156791	1.9002252
Ba 8 Zr 2 Nb 6	-4.111	93.32919564	1.7748129
Ba 6 Sr 2 Nb 6 Cr 2	-3.949	94.56054079	1.8584211
Sr 4 La 4 Nb 4 V 4	-4.705	95.25269391	1.4682495
Ba 8 Hf 4 Nb 4	-4.272	95.9841047	1.6917208
Rb 2 Ba 6 Ta 2 Nb 6	-4.033	96.33430982	1.8150687
Ba 8 Ti 2 Nb 6	-4.001	96.57627128	1.8315839
Sr 6 Ca 2 Nb 6 V 2	-4.292	96.97098313	1.6813988
Ba 6 Ca 2 Nb 6 V 2	-4.052	97.04525166	1.8052628

Sr 4 La 4 Ti 8	-4.984	98.41497463	1.3242576
Sr 4 Ca 4 Nb 6 V 2	-4.349	99.30542754	1.6519811
Rb 1 Ba 7 Nb 8	-4.042	99.40944472	1.8104238
La 7 Zn 1 Fe 8	-3.661	99.85916922	2.0070579
Ca 4 La 4 Ti 8	-5.013	99.98824376	1.3092907
La 7 Mn 8 Zn 1	-3.932	100.3018875	1.8671948
Ba 4 La 4 V 8	-4.233	101.0012844	1.7118487
La 8 Mn 1 V 7	-4.63	101.1888942	1.506957
Ca 4 Y 4 Ti 8	-4.934	101.2563166	1.3500626
Sr 4 Ca 4 Ti 4 Nb 4	-4.368	101.4285836	1.6421752
Ba 8 Nb 7 Cr 1	-4.028	101.5147988	1.8176492
Ca 4 Mg 4 Nb 4 V 4	-3.747	101.7316221	1.9626733
Y 6 Ta 2 Mn 6 Zn 2	-3.657	102.3783285	2.0091223
Cs 1 Ba 7 Nb 7 Cr 1	-3.883	102.5813082	1.8924837
Rb 1 Sr 7 Nb 7 V 1	-4.178	103.8201523	1.7402342
Y 8 Ti 4 Cr 4	-4.854	103.9255144	1.3913506
Ba 7 Ca 1 Mn 1 Nb 7	-4.011	104.1808008	1.8264229
Cs 1 Sr 7 Mn 1 Nb 7	-4.001	104.2189359	1.8315839
La 4 Gd 4 Mo 8	-5.085	104.2822676	1.2721315
Ba 7 Ca 1 Nb 7 V 1	-4.088	104.4118536	1.7866832
Sr 4 La 4 Sc 4 V 4	-3.833	105.734136	1.9182887
Pr 8 V 7 Ni 1	-4.183	106.8107207	1.7376537
Ba 8 Zr 1 Nb 7	-4.141	107.0650191	1.7593299
Sr 4 Nd 4 V 8	-4.255	107.4705589	1.7004945
Ba 8 Ti 1 Nb 7	-4.074	107.5219884	1.7939086
Pr 8 V 6 Ni 2	-3.834	107.8589458	1.9177726
Rb 1 Ba 7 Ta 1 Nb 7	-4.112	107.9375884	1.7742968
Ba 7 Sr 1 Nb 7 Cr 1	-4.074	107.9588155	1.7939086
Sr 8 Mn 1 Nb 7	-4.162	108.200729	1.7484918
Ba 6 Sr 2 Ti 2 Nb 6	-4.084	108.2213049	1.7887476
Sr 4 Pr 4 Ti 8	-4.887	108.6171835	1.3743193
Ca 4 Pr 4 Ti 8	-4.985	108.6235318	1.3237415
Ba 8 Hf 2 Nb 6	-4.117	108.74556	1.7717163
Ba 4 Pr 4 V 8	-3.7	109.0354314	1.98693
Sr 8 Nb 6 Cr 2	-4.143	109.1473144	1.7582977
Ba 6 Sr 2 Nb 8	-4.371	109.4369892	1.6406269
Ba 8 Nb 6 Ni 2	-3.727	109.6104509	1.9729953
Ba 2 Sr 6 Nb 6 Cr 2	-4.168	110.1099732	1.7453952
Ba 6 Ca 2 Mn 2 Nb 6	-3.965	110.3838959	1.8501635

La 6 Ta 2 Zn 2 Fe 6	-3.827	110.8397137	1.9213853
Ba 8 Nb 7 Ni 1	-3.934	111.1476894	1.8661626
Cs 2 Sr 6 Nb 6 Cr 2	-3.825	111.4916375	1.9224175
La 6 Nb 2 Zn 2 Fe 6	-3.889	111.6681212	1.8893871
Sr 8 Nb 7 Fe 1	-4.112	111.9032529	1.7742968
Ba 8 Nb 6 Ru 2	-4.171	112.4818777	1.7438469
Ba 8 Nb 7 Ru 1	-4.307	113.1301527	1.6736573
La 8 Ti 4 Cr 4	-5.227	113.2446319	1.1988453
Ba 8 Nb 6 Sb 2	-4.11	113.6720837	1.775329
Ba 1 Sr 7 Nb 7 Fe 1	-4.105	113.7265332	1.7779095
Sr 6 Ca 2 Nb 6 Fe 2	-3.945	113.7900629	1.8604855
Ba 1 Sr 7 Mn 1 Nb 7	-4.129	113.8010346	1.7655231
Ba 8 Hf 1 Nb 7	-4.157	113.877484	1.7510723
Ba 7 Sr 1 Ti 1 Nb 7	-4.118	113.9875052	1.7712002
Ba 8 Ta 2 Nb 6	-4.436	114.4247429	1.6070804
Rb 1 Sr 7 Nb 7 Cr 1	-4.157	114.6805212	1.7510723
Rb 4 Sr 4 Ta 4 Nb 4	-4.167	115.4294536	1.7459113
Rb 2 Sr 6 Nb 8	-4.156	115.706478	1.7515884
Sr 4 Y 4 Ti 8	-4.775	116.8075373	1.4321225
Ba 2 Sr 6 Nb 6 Fe 2	-3.845	117.2367264	1.9120955
Cs 1 Ba 7 Nb 8	-4.009	117.5977151	1.8274551
Sr 7 Ca 1 Mn 1 Nb 7	-4.213	117.7231342	1.7221707
Ba 7 Sr 1 Nb 7 Ni 1	-3.997	118.3492061	1.8336483
La 6 Zr 2 Mn 6 Zn 2	-3.873	118.8020681	1.8976447
Ba 4 Ca 4 Nb 6 V 2	-4.174	118.8467296	1.7422986
Cs 1 Sr 7 Nb 7 V 1	-4.136	118.8671168	1.7619104
Cs 2 Ba 6 Nb 8	-3.823	119.7417245	1.9234497
La 6 Ta 2 Mn 6 Zn 2	-4.012	119.7743548	1.8259068
Ba 6 Sr 2 Nb 6 Ni 2	-3.797	119.8289521	1.9368683
Ba 7 Ca 1 Nb 7 Cr 1	-4.131	119.9530378	1.7644909
Sr 7 Ca 1 Nb 7 Fe 1	-4.153	120.5504514	1.7531367
Ba 7 Sr 1 Nb 7 Fe 1	-3.914	120.7834656	1.8764846
Ba 4 La 4 Ti 8	-4.87	122.138953	1.383093
Sr 8 Nb 6 Ni 2	-3.827	122.1667468	1.9213853
Sr 8 Nb 7 V 1	-4.298	122.9574398	1.6783022
La 8 Mn 6 Ni 2	-3.894	123.4763457	1.8868066
Ba 2 Ca 6 Nb 6 V 2	-4.352	124.3592223	1.6504328
Ba 4 Sr 4 Nb 8	-4.451	124.5207727	1.5993389
Ba 4 La 4 Nb 4 Fe 4	-4.109	124.768635	1.7758451

Ba 6 Ca 2 Nb 6 Cr 2	-4.064	125.0486292	1.7990696
La 8 V 6 Ni 2	-4.407	125.0609969	1.6220473
Y 8 Ti 6 Co 2	-4.558	125.2411956	1.5441162
Y 8 Mg 2 Ti 6	-4.968	125.5388929	1.3325152
La 6 Mn 6 Nb 2 Zn 2	-3.997	125.8759223	1.8336483
Rb 1 Sr 7 Nb 7 Fe 1	-4.041	126.153447	1.8109399
Ba 4 La 4 Nb 4 Co 4	-3.982	126.2774742	1.8413898
Cs 1 Ba 7 Ta 1 Nb 7	-4.079	126.4006087	1.7913281
Sr 4 Gd 4 Zr 8	-5.4	126.9589288	1.10956
Y 8 Ti 6 Fe 2	-4.663	126.9939811	1.4899257
Ba 7 Sr 1 Nb 8	-4.175	127.2309724	1.7417825
Ba 7 La 1 Nb 7 Fe 1	-4.244	127.6355792	1.7061716
Ba 1 Sr 7 Nb 7 V 1	-4.284	127.8759895	1.6855276
Ba 2 Sr 6 Ti 2 Nb 6	-4.235	127.9937364	1.7108165
Ba 7 Ca 1 Ti 1 Nb 7	-4.17	128.1577274	1.744363
Sr 8 V 6 Os 2	-3.817	128.3424289	1.9265463
Rb 1 Ba 7 Mn 1 Nb 7	-3.787	129.0050509	1.9420293
Ba 6 Sr 2 Nb 6 Sb 2	-4.142	129.1017287	1.7588138
Sr 8 Hf 4 Nb 4	-4.556	129.5792807	1.5451484
Ba 8 Ta 1 Nb 7	-4.207	129.7480992	1.7252673
Sr 8 Nb 6 Ru 2	-4.375	129.8941736	1.6385625
Sr 7 Ca 1 Nb 7 V 1	-4.348	130.1232865	1.6524972
Sr 6 La 2 Mn 2 Nb 6	-4.343	130.3553437	1.6550777
Ba 2 Sr 6 Nb 6 Ni 2	-3.823	130.3704819	1.9234497
Sr 8 Ti 2 Nb 6	-4.284	130.4905772	1.6855276
Ba 4 Pr 4 Ti 8	-4.726	130.6399198	1.4574114
Sr 8 Nb 7 Mo 1	-4.38	130.824398	1.635982
Ba 7 La 1 Nb 7 Co 1	-4.292	131.339327	1.6813988
Rb 2 Sr 6 Ta 2 Nb 6	-4.304	131.7398968	1.6752056
Sr 8 Zr 2 Nb 6	-4.385	131.7731282	1.6334015
La 6 Ti 2 Mn 6 Zn 2	-3.848	131.8015671	1.9105472
Pr 8 Mg 2 Ti 6	-4.894	131.8979286	1.3707066
Ba 8 Nb 4 Sn 4	-3.735	132.0197634	1.9688665
La 8 Mg 2 Ti 6	-5.085	132.282592	1.2721315
Cs 1 Sr 7 Nb 7 Cr 1	-4.116	132.511284	1.7722324
Ba 4 Gd 4 V 8	-3.713	132.5185758	1.9802207
Ba 4 Ca 4 Ti 4 Nb 4	-4.276	132.6341919	1.6896564
Ba 7 Ca 1 Nb 7 Ni 1	-4.002	133.2219283	1.8310678
Ba 2 Sr 6 Nb 8	-4.523	133.2485563	1.5621797

Ba 8 Nb 7 Sn 1	-4.156	133.678531	1.7515884
Sr 6 La 2 Nb 6 Fe 2	-4.447	133.8151431	1.6014033
Ba 7 La 1 Mn 1 Nb 7	-4.273	134.3741921	1.6912047
Ba 4 Sr 4 Nb 6 Sb 2	-4.223	134.7995068	1.7170097
Sr 4 Sm 4 V 8	-4.29	134.8922634	1.682431
Cs 2 Ba 6 Ta 2 Nb 6	-3.938	134.9710118	1.8640982
Ba 7 Ca 1 Nb 7 Fe 1	-3.985	135.4704378	1.8398415
Ba 7 La 1 Nb 7 V 1	-4.319	135.663245	1.6674641
Ba 6 Ca 2 Ti 2 Nb 6	-4.194	136.3212493	1.7319766
Ba 6 Sr 2 Ta 2 Nb 6	-4.525	136.9831031	1.5611475
Pr 8 Ti 4 Cr 4	-4.857	137.1960703	1.3898023
Sr 8 Nb 7 Cr 1	-4.347	137.3003272	1.6530133
Ba 8 Nb 7 Ge 1	-3.998	137.4416548	1.8331322
Ba 1 Sr 7 Nb 7 Cr 1	-4.338	137.4557816	1.6576582
Sr 6 La 2 Nb 6 Co 2	-4.344	137.998882	1.6545616
Y 8 Ti 6 Mn 2	-4.755	138.1171915	1.4424445
Sr 6 Ca 2 Nb 6 Ni 2	-3.872	138.6295243	1.8981608
Sr 4 La 4 Zr 8	-5.609	139.1075824	1.0016951
Sr 8 Nb 7 Ni 1	-4.097	139.236152	1.7820383
La 8 Ti 6 Fe 2	-5.118	140.1937368	1.2551002
Ba 8 Ta 4 Nb 4	-4.583	140.3577802	1.5312137
Ba 7 Sr 1 Ta 1 Nb 7	-4.255	140.6810293	1.7004945
Ba 7 Sr 1 Nb 7 Sn 1	-4.202	141.2707978	1.7278478
La 8 Ti 6 Co 2	-5.006	141.4667324	1.3129034
Ba 1 Sr 7 Nb 7 Ni 1	-4.07	141.5827695	1.795973
Pr 8 Ti 6 Fe 2	-4.624	141.7348234	1.5100536
Ba 7 Ca 1 Nb 8	-4.228	141.9786946	1.7144292
Sr 4 Pr 4 Zr 8	-5.191	142.1303761	1.2174249
Sr 8 Nb 8	-4.58	142.8025899	1.532762
Rb 1 Sr 7 Nb 8	-4.324	143.133534	1.6648836
Sr 8 Nb 7 Ru 1	-4.545	144.6556153	1.5508255
Sr 6 Ca 2 Ti 2 Nb 6	-4.388	145.0724617	1.6318532
Ba 8 Nb 6 Sn 2	-4.167	145.2705241	1.7459113
Ba 2 Sr 6 Nb 6 Sb 2	-4.215	145.5695349	1.7211385
Ba 6 La 2 Nb 6 Fe 2	-4.36	145.7022213	1.646304
Sr 7 Ca 1 Nb 7 Cr 1	-4.374	145.9772331	1.6390786
Ba 4 La 4 Mn 4 Nb 4	-4.411	146.5706758	1.6199829
Ba 7 La 1 Sc 1 Nb 7	-4.363	146.7503668	1.6447557
Cs 1 Ba 7 Mn 1 Nb 7	-3.752	147.1383212	1.9600928

Sr 6 La 2 Mn 2 V 6	-3.785	147.2405394	1.9430615
Sr 6 Ca 2 Nb 6 Cr 2	-4.224	148.5901263	1.7164936
Ba 1 Sr 7 Ti 1 Nb 7	-4.345	148.6084131	1.6540455
Pr 8 Ti 6 Mn 2	-4.652	149.2209587	1.4956028
La 8 Ti 6 Mn 2	-5.082	149.4103721	1.2736798
Sr 8 Ti 1 Nb 7	-4.376	149.6959585	1.6380464
Sr 7 Ca 1 Nb 7 Ni 1	-4.13	149.8238071	1.765007
Cs 2 Sr 6 Nb 8	-4.07	149.8317536	1.795973
Sr 8 Hf 2 Nb 6	-4.401	149.9625603	1.6251439
Ba 7 La 1 Nb 7 Cr 1	-4.383	150.2556791	1.6344337
Sr 8 Zr 1 Nb 7	-4.407	150.973109	1.6220473
Sr 7 La 1 Mn 1 Nb 7	-4.441	151.2040918	1.6044999
Sr 4 Y 4 Zr 8	-4.78	152.2380974	1.429542
Sr 7 La 1 Nb 7 Fe 1	-4.442	152.4041165	1.6039838
Sr 7 La 1 Nb 7 Co 1	-4.514	152.413236	1.5668246
Pr 8 Ti 6 Co 2	-4.571	152.519819	1.5374069
Ba 4 Sr 4 Ta 2 Nb 6	-4.612	152.6708866	1.5162468
Ba 6 La 2 Nb 6 Co 2	-4.313	152.7252806	1.6705607
Rb 1 Sr 7 Ta 1 Nb 7	-4.397	152.9063683	1.6272083
La 6 Hf 2 Mn 6 Zn 2	-3.949	153.1355143	1.8584211
Ba 7 Ca 1 Ta 1 Nb 7	-4.303	153.4225603	1.6757217
Ba 4 Gd 4 Zr 8	-5.301	154.1937904	1.1606539
Ba 7 Ca 1 Nb 7 Sn 1	-4.269	156.3078651	1.6932691
Ba 7 Nb 8 Zn 1	-3.932	156.6375691	1.8671948
Sr 4 La 4 Sc 4 Nb 4	-4.912	156.8194441	1.3614168
Ba 7 La 1 Ti 1 Nb 7	-4.337	156.8668688	1.6581743
Ba 6 Ca 2 Nb 6 Ni 2	-3.903	157.0816779	1.8821617
Sr 6 La 2 Nb 6 V 2	-4.62	157.5785169	1.512118
La 8 V 4 Ni 4	-4.093	157.6627924	1.7841027
Ba 7 La 1 Nb 7 Ni 1	-4.295	157.9908197	1.6798505
Sr 7 Ca 1 Ti 1 Nb 7	-4.429	158.0520258	1.6106931
Ba 8 Re 8	-4.541	158.4976702	1.5528899
Ba 6 Sr 2 Nb 6 Sn 2	-4.27	159.1173424	1.692753
Ba 8 Nb 6 Ge 2	-3.726	159.9208541	1.9735114
Cs 1 Sr 7 Nb 8	-4.288	160.1022967	1.6834632
Sr 8 Hf 1 Nb 7	-4.425	160.1740751	1.6127575
Ba 6 Mg 2 Nb 6 V 2	-3.95	161.2835403	1.857905
Ba 6 La 2 Nb 6 V 2	-4.45	161.3837844	1.599855
Ba 4 Pr 4 Zr 8	-5.067	161.5726406	1.2814213

Ca 2 Y 6 Ti 8	-5.161	161.8546761	1.2329079
Ba 2 Sr 6 Ta 2 Nb 6	-4.682	163.6286702	1.4801198
Sr 7 La 1 Nb 7 V 1	-4.576	164.0020534	1.5348264
Sr 4 Mg 4 Nb 6 V 2	-4.039	164.677457	1.8119721
Ba 6 Ca 2 Nb 8	-4.316	164.8729336	1.6690124
Ba 6 La 2 Mn 2 Nb 6	-4.271	165.5156787	1.6922369
Pr 4 Ba 4 Zr 7 Co 1	-4.73	165.7765276	1.455347
Sr 2 La 6 Ti 8	-5.269	166.0585674	1.1771691
Cs 2 Sr 6 Ta 2 Nb 6	-4.213	166.9359223	1.7221707
Y 8 Ti 6 Cr 2	-4.963	167.1873999	1.3350957
Ca 2 La 6 Ti 8	-5.289	168.678952	1.1668471
Ba 1 Sr 7 Nb 8	-4.386	168.7040731	1.6328854
Ba 6 Sr 2 Ta 4 Nb 4	-4.677	168.9304669	1.4827003
Cs 1 Sr 7 Ta 1 Nb 7	-4.362	169.4388811	1.6452718
Ca 4 Pr 4 Zr 8	-5.031	170.3802659	1.3000009
Cs 4 Ba 4 Ta 4 Nb 4	-3.79	171.3573521	1.940481
Ba 6 Ca 2 Nb 6 Sb 2	-4.101	172.2961946	1.7799739
Ba 7 La 1 Nb 8	-4.47	173.036586	1.589533
Ba 8 Ta 6 Nb 2	-4.8	173.1993175	1.41922
Y 8 Ti 6 Ni 2	-4.544	173.3099311	1.5513416
Sr 8 Nb 7 Sn 1	-4.408	173.4892934	1.6215312
Ba 1 Sr 7 Nb 7 Sn 1	-4.374	173.512851	1.6390786
Y 8 Ti 7 Co 1	-4.798	173.5137406	1.4202522
Ca 4 Mg 4 Nb 6 V 2	-4.29	174.1080157	1.682431
Sr 2 Y 6 Ti 8	-5.138	174.3510364	1.2447782
Ca 4 La 4 Zr 8	-5.49	174.7474721	1.063111
Y 8 Mg 1 Ti 7	-5.144	176.1174308	1.2416816
Sr 7 La 1 Sc 1 Nb 7	-4.591	176.2440936	1.5270849
Y 8 Ti 7 Fe 1	-4.845	176.9695083	1.3959955
Ba 2 La 6 Ti 8	-5.215	177.1955181	1.2050385
Ba 4 Y 4 Ti 8	-4.602	177.2536036	1.5214078
Ba 2 Sr 6 Nb 6 Sn 2	-4.367	177.7833621	1.6426913
Sr 7 La 1 Nb 7 Cr 1	-4.586	178.1126907	1.5296654
Sr 7 La 1 Nb 7 Ni 1	-4.451	178.4692287	1.5993389
Sr 7 Ca 1 Nb 8	-4.47	179.0340621	1.589533
Ba 6 La 2 Nb 6 Cr 2	-4.573	179.124476	1.5363747
Sr 6 La 2 Sc 2 Nb 6	-4.609	179.6545974	1.5177951
Cs 4 Sr 4 Nb 8	-3.732	179.9492361	1.9704148
Ba 6 Be 2 Nb 6 V 2	-3.824	180.0773535	1.9229336

Ba 6 La 2 Sc 2 Nb 6	-4.458	180.436028	1.5957262
Ba 1 Sr 7 Ta 1 Nb 7	-4.477	181.21138	1.5859203
Y 8 Ti 7 Mn 1	-4.869	181.3437385	1.3836091
Sr 4 La 4 Ta 4 V 4	-5.252	181.6821081	1.1859428
Sr 4 Ca 4 Nb 6 Sb 2	-4.17	182.1919315	1.744363
Sr 8 Ta 1 Nb 7	-4.498	182.2444243	1.5750822
Ba 4 Sr 4 Ta 4 Nb 4	-4.769	182.7925005	1.4352191
Ba 4 Ca 4 Nb 6 Sb 2	-4.163	182.8972813	1.7479757
Sr 6 La 2 Nb 6 Cr 2	-4.636	183.3087916	1.5038604
Ba 7 La 1 Ta 1 Nb 7	-4.54	184.0934796	1.553406
Sr 2 Pr 6 Ti 8	-5.212	184.7008263	1.2065868
Sr 7 Ca 1 Nb 7 Sn 1	-4.424	184.7588605	1.6132736
Pr 4 Ba 4 Hf 7 Co 1	-4.996	185.5226367	1.3180644
Sr 6 Ca 2 Nb 8	-4.514	185.5315343	1.5668246
Ca 2 Pr 6 Ti 8	-5.27	186.3098754	1.176653
Ba 6 Ca 2 Ta 2 Nb 6	-4.476	187.806165	1.5864364
La 8 Mg 1 Ti 7	-5.299	187.9458761	1.1616861
Sr 8 Nb 7 Ge 1	-4.243	188.1939615	1.7066877
Pr 8 Ti 6 Cr 2	-4.873	188.9655196	1.3815447
Ba 4 Ca 4 Nb 8	-4.48	189.2466616	1.584372
Ba 4 La 4 Nb 4 V 4	-4.79	189.4766426	1.424381
Sr 6 La 2 Nb 6 Ni 2	-4.264	189.7526175	1.6958496
Sr 7 Nb 8 Zn 1	-4.199	190.387132	1.7293961
Sr 7 Ca 1 Ta 1 Nb 7	-4.554	190.6766465	1.5461806
Sr 7 La 1 Ti 1 Nb 7	-4.594	191.3690721	1.5255366
La 8 Ti 7 Co 1	-5.244	191.8731963	1.1900716
Ca 4 Be 4 Nb 4 V 4	-3.731	192.3522954	1.9709309
La 8 Ti 6 Cr 2	-5.407	192.5763961	1.1059473
Sr 8 V 4 Os 4	-3.759	192.6977276	1.9564801
Pr 8 Ti 6 Ni 2	-4.509	192.9763045	1.5694051
La 8 Ti 7 Fe 1	-5.296	193.0661985	1.1632344
Sr 4 Ca 4 Nb 8	-4.585	193.3264787	1.5301815
Ba 2 Ca 6 Nb 6 Sb 2	-4.243	193.7218681	1.7066877
Ca 8 Nb 8	-4.733	193.9518675	1.4537987
Ba 6 Ca 2 Nb 6 Sn 2	-4.38	194.3555246	1.635982
Ba 2 Pr 6 Ti 8	-5.125	194.55434	1.2514875
Sr 8 Ta 2 Nb 6	-4.581	194.6155086	1.5322459
Sr 4 Dy 4 V 8	-4.394	195.0776839	1.6287566
Ba 2 Sr 6 Ta 4 Nb 4	-4.848	195.1987841	1.3944472

Ba 6 La 2 Ti 2 Nb 6	-4.516	195.413032	1.5657924
Sr 6 Ca 2 Nb 6 Sn 2	-4.446	195.5441312	1.6019194
La 8 Ti 7 Mn 1	-5.294	197.1410162	1.1642666
Y 8 Ti 7 Ni 1	-4.782	198.1717333	1.4285098
Sr 2 Ca 6 Nb 8	-4.684	198.1816731	1.4790876
Ba 6 Sr 2 Ta 6 Nb 2	-4.892	200.0925042	1.3717388
Y 8 Ti 7 Cr 1	-5.002	202.1130927	1.3149678
Ba 6 Be 2 Nb 6 Sb 2	-4.074	202.4587806	1.7939086
Ba 2 Ca 6 Nb 8	-4.644	202.4973895	1.4997316
Ca 4 Y 4 Zr 8	-5.43	203.2794871	1.094077
Ba 6 La 2 Nb 6 Ni 2	-4.222	203.9261023	1.7175258
Ba 4 La 4 Nb 4 Cr 4	-4.746	205.1821121	1.4470894
Ba 6 Nb 8 Zn 2	-3.713	206.3831827	1.9802207
La 8 Ti 6 Ni 2	-4.99	209.1859679	1.321161
Ba 7 Y 1 Nb 8	-4.371	209.4363698	1.6406269
Sr 4 Ho 4 V 8	-3.774	209.6228074	1.9487386
Nd 8 Fe 8	-3.758	209.664647	1.9569962
Cs 4 Sr 4 Ta 4 Nb 4	-4.009	209.9136423	1.8274551
Sr 6 Ca 2 Ta 2 Nb 6	-4.687	209.943203	1.4775393
Pr 8 Mg 1 Ti 7	-5.298	210.4523238	1.1622022
Ba 8 Ta 8	-5.015	210.9038548	1.3082585
Sr 6 La 2 Ti 2 Nb 6	-4.74	212.2648043	1.450186
Ba 4 Ca 4 Ta 2 Nb 6	-4.635	212.9354669	1.5043765
Sr 7 La 1 Nb 8	-4.72	213.7727035	1.460508
Pr 8 Ti 7 Co 1	-4.928	214.644144	1.3531592
Ba 6 Ca 2 Ta 4 Nb 4	-4.66	214.8524421	1.491474
Sr 4 Ca 4 Ta 2 Nb 6	-4.802	215.8521474	1.4181878
Pr 8 Ti 7 Fe 1	-5.027	215.9098962	1.3020653
La 8 Ti 7 Ni 1	-5.235	218.3884391	1.1947165
La 8 Ti 7 Cr 1	-5.436	219.6287782	1.0909804
Ba 6 Mg 2 Nb 6 Sb 2	-4.002	220.0568788	1.8310678
Ca 4 Mg 4 Nb 6 Sb 2	-4.178	220.1984921	1.7402342
Pr 8 Ti 7 Mn 1	-4.97	221.1929638	1.331483
Ba 2 Y 6 Ti 8	-5.063	221.2097192	1.2834857
Ba 4 Sr 4 Ta 6 Nb 2	-4.988	222.1096144	1.3221932
Gd 4 Y 4 Ti 8	-5.261	223.2232883	1.1812979
Sr 4 La 4 Mn 4 V 4	-4.279	223.3158167	1.6881081
Ba 4 La 4 Sc 4 Nb 4	-4.815	223.6994084	1.4114785
Sr 8 Ta 4 Nb 4	-4.747	223.9336773	1.4465733

Sr 6 Nb 8 Zn 2	-3.94	225.5699242	1.863066
Ba 2 Ca 6 Ta 2 Nb 6	-4.818	226.1148428	1.4099302
Y 8 Ti 8	-5.267	226.6055355	1.1782013
Gd 2 Y 6 Ti 8	-5.184	226.6300369	1.2210376
Sr 7 La 1 Ta 1 Nb 7	-4.794	226.8685378	1.4223166
Ba 4 Mg 4 Nb 6 V 2	-3.856	226.8948847	1.9064184
Ba 6 Mg 2 Nb 8	-4.354	226.9594893	1.6494006
Sr 4 Mg 4 Nb 6 Sb 2	-3.98	227.4714334	1.842422
Ba 2 Sr 6 Ta 6 Nb 2	-5.076	227.7974528	1.2767764
Pr 8 Ti 7 Cr 1	-5.01	227.9517443	1.310839
Sr 7 Y 1 Nb 8	-4.605	231.6942373	1.5198595
Ba 6 La 2 Nb 8	-4.768	232.1787163	1.4357352
Sm 2 Y 6 Ti 8	-5.077	233.1787716	1.2762603
Sr 2 Gd 6 Zr 8	-5.55	235.0221084	1.032145
Ba 6 Be 2 V 8	-3.735	235.2536458	1.9688665
Dy 2 Y 6 Ti 8	-5.099	235.6434366	1.2649061
La 4 Gd 4 Ti 8	-5.447	236.2242256	1.0853033
Ba 2 Mg 6 Nb 6 V 2	-3.926	237.1545998	1.8702914
Ba 6 Sr 2 Ta 8	-5.093	237.5077915	1.2680027
Sm 4 Y 4 Ti 8	-5.136	237.8790076	1.2458104
Ba 4 Ca 4 Ta 4 Nb 4	-4.789	239.304068	1.4248971
Ba 2 Ca 6 Ta 4 Nb 4	-4.949	239.5476939	1.3423211
Sr 4 La 4 Ti 4 Nb 4	-5.009	240.9512688	1.3113551
Pr 8 Ti 7 Ni 1	-4.904	243.1548868	1.3655456
Nd 2 Y 6 Ti 8	-5.072	243.2199713	1.2788408
Y 6 Ho 2 Ti 8	-5.249	243.3991146	1.1874911
La 6 Gd 2 Ti 8	-5.465	243.706318	1.0760135
Y 4 Ho 4 Ti 8	-5.17	243.9996936	1.228263
Ba 6 Ca 2 Ta 6 Nb 2	-4.874	244.2546365	1.3810286
Dy 4 Y 4 Ti 8	-5.163	244.5245876	1.2318757
Sr 4 Ca 4 Ta 4 Nb 4	-4.959	245.4103161	1.3371601
La 8 Ti 8	-5.48	246.4684103	1.068272
La 6 Nd 2 Ti 8	-5.463	251.2792133	1.0770457
Nd 4 Y 4 Ti 8	-5.138	251.445118	1.2447782
La 6 Sm 2 Ti 8	-5.481	251.5113026	1.0677559
Sr 2 La 6 Zr 8	-5.779	252.4443771	0.9139581
La 4 Sm 4 Ti 8	-5.498	252.901195	1.0589822
La 4 Nd 4 Ti 8	-5.511	256.0507663	1.0522729
Ba 6 La 2 Ta 2 Nb 6	-4.92	257.1685036	1.357288

Ba 4 La 4 Ti 4 Nb 4	-4.88	257.6405743	1.377932
Ba 2 Gd 6 Zr 8	-5.489	258.4532996	1.0636271
Mg 4 Be 4 Nb 6 V 2	-3.911	258.6344448	1.8780329
Ba 4 Mg 4 Nb 6 Sb 2	-4.013	259.2541111	1.8253907
Ba 6 Mg 2 Ta 2 Nb 6	-4.478	260.308348	1.5854042
Sr 6 La 2 Nb 8	-5.011	260.7680671	1.3103229
Ba 4 Sr 4 Ta 8	-5.177	262.6434783	1.2246503
La 6 Dy 2 Ti 8	-5.496	264.2004676	1.0600144
Ba 2 Mg 6 Nb 6 Sb 2	-3.868	265.6190762	1.9002252
Ba 6 Be 2 Nb 8	-4.114	265.9307854	1.7732646
Ca 4 Be 4 Nb 6 V 2	-4.107	265.9527535	1.7768773
Ba 2 Sr 6 Ta 8	-5.299	266.0086215	1.1616861
La 6 Ho 2 Ti 8	-5.478	266.4261456	1.0693042
La 4 Dy 4 Ti 8	-5.385	267.523775	1.1173015
Ba 2 La 6 Zr 8	-5.765	267.6241343	0.9211835
Ba 2 Ca 6 Ta 6 Nb 2	-5.164	267.8973315	1.2313596
La 4 Ho 4 Ti 8	-5.374	267.908381	1.1229786
Ca 2 Pr 6 Zr 8	-4.947	268.0430126	1.3433533
Ba 4 Ca 4 Nb 4 Sn 4	-4.673	268.6707983	1.4847647
Sr 8 Ta 8	-5.383	269.8680148	1.1183337
Ba 4 Ca 4 Ta 6 Nb 2	-4.998	271.1511691	1.3170322
Pr 8 Ti 8	-4.894	271.369469	1.3707066
Pr 4 Gd 4 Ti 8	-5.488	272.167255	1.0641432
Sm 8 Fe 8	-3.981	272.5906925	1.8419059
Sr 4 La 4 Mn 4 Nb 4	-3.877	272.9475976	1.8955803
Ba 2 Pr 6 Zr 8	-5.181	273.1130749	1.2225859
Sr 4 Mg 4 Ta 2 Nb 6	-4.627	273.4246029	1.5085053
Ba 8 Nb 6 P 2	-4.379	273.9833432	1.6364981
Dy 8 Ti 8	-4.859	274.1533898	1.3887701
Pr 6 Gd 2 Ti 8	-5.521	274.531112	1.0471119
Ba 4 Be 4 P 8	-3.798	277.0448981	1.9363522
Sr 4 Ca 4 Ta 6 Nb 2	-5.195	278.5899538	1.2153605
Ba 6 Ca 2 Ta 8	-5.052	280.1483309	1.2891628
Ba 2 Gd 6 V 8	-4.149	281.1283454	1.7552011
Ca 2 La 6 Zr 8	-5.641	282.3100719	0.9851799
Pr 6 Nd 2 Ti 8	-5.517	282.7867573	1.0491763
Pr 6 Sm 2 Ti 8	-5.539	285.0973467	1.0378221
Pr 4 Nd 4 Ti 8	-5.381	285.1635456	1.1193659
Pr 4 Sm 4 Ti 8	-5.329	287.2969744	1.1462031

Mg 8 Nb 8	-4.193	288.0949681	1.7324927
Sr 6 La 2 Ta 2 Nb 6	-5.157	291.2874858	1.2349723
Sr 4 Mg 4 V 8	-3.716	291.5373719	1.9786724
Ba 2 Be 6 Nb 6 Sb 2	-4.121	291.6323008	1.7696519
Ca 2 Y 6 Zr 8	-4.754	293.7693444	1.4429606
Ca 4 Be 4 Nb 6 Sb 2	-4.132	293.7803865	1.7639748
Ba 6 Mg 2 Ta 4 Nb 4	-4.645	293.8823319	1.4992155
Sr 6 Y 2 Nb 8	-4.805	296.5861348	1.4166395
Gd 8 Fe 8	-4.163	297.2489962	1.7479757
Ba 6 Sr 2 Nb 6 P 2	-4.451	298.9706268	1.5993389
Pr 6 Dy 2 Ti 8	-5.389	299.9005117	1.1152371
Mg 4 Be 4 Nb 6 Sb 2	-3.941	301.2556711	1.8625499
Pr 6 Ho 2 Ti 8	-5.389	302.1711897	1.1152371
Ca 4 Mg 4 Ta 2 Nb 6	-4.736	303.3301676	1.4522504
Ba 6 Y 2 Nb 8	-4.574	304.7165341	1.5358586
Ba 4 Mg 4 Nb 8	-4.312	304.8564544	1.6710768
Ba 2 Sr 6 Nb 6 P 2	-4.454	305.1630003	1.5977906
Sr 4 Mg 4 Ta 4 Nb 4	-4.79	305.3985607	1.424381
Sr 2 Y 6 Zr 8	-5.231	307.4606496	1.1967809
Ba 2 Ca 6 Ta 8	-5.428	308.2429692	1.0951092
Sr 4 Nb 8 Zn 4	-3.794	310.2397585	1.9384166
Ba 4 Ca 4 Ta 8	-5.17	310.5627703	1.228263
Gd 8 Zr 8	-5.215	310.9235588	1.2050385
Ba 4 Be 4 Nb 6 V 2	-3.838	311.0434627	1.9157082
Y 8 V 4 Co 4	-3.696	311.5036324	1.9889944
Ba 6 Ca 2 Nb 6 P 2	-4.39	311.6615712	1.630821
Ca 8 Ta 8	-5.504	311.9451681	1.0558856
Sr 4 Be 4 Nb 6 V 2	-3.894	311.9926853	1.8868066
Ba 4 Sr 4 Nb 6 P 2	-4.488	312.8386603	1.5802432
Ba 6 Mg 2 Ta 6 Nb 2	-4.836	313.0747303	1.4006404
Ba 6 Ta 4 Be 2 Nb 4	-4.445	314.47561	1.6024355
Pr 4 Dy 4 Ti 8	-5.326	315.0423044	1.1477514
Sr 4 Ca 4 Nb 6 P 2	-4.514	316.2233894	1.5668246
Sr 4 Ca 4 Ta 8	-5.403	317.2833414	1.1080117
Ba 4 Mg 4 Ta 2 Nb 6	-4.395	317.4336417	1.6282405
Sr 2 Ca 6 Ta 8	-5.487	318.3605047	1.0646593
Pr 4 Ho 4 Ti 8	-5.327	318.7761604	1.1472353
Sn 8 Nb 8	-4.047	321.7170384	1.8078433
Ba 6 Ta 2 Be 2 Nb 6	-4.267	323.1010727	1.6943013

Ba 2 Mg 6 Nb 8	-4.376	324.0579403	1.6380464
Ca 4 Mg 4 Ta 4 Nb 4	-4.754	324.2318639	1.4429606
Be 8 Nb 8	-4.279	329.9820819	1.6881081
Ba 4 La 4 Nb 8	-5.445	330.3324771	1.0863355
Ba 2 Ca 6 Nb 6 P 2	-4.538	330.4823082	1.5544382
Ba 4 Mg 4 P 8	-3.739	331.3268273	1.9668021
Ba 4 Be 4 Nb 6 Sb 2	-3.843	332.8143604	1.9131277
Ba 6 Mg 2 Nb 6 P 2	-4.292	336.1648589	1.6813988
Ca 8 P 8	-4.031	337.7928885	1.8161009
Sr 4 Be 4 Nb 6 Sb 2	-3.921	339.5084858	1.8728719
Ba 4 Ca 4 Nb 6 P 2	-4.481	339.5402991	1.5838559
Ba 2 Y 6 Zr 8	-5.206	342.0084068	1.2096834
Pr 8 Zr 8	-4.989	343.5227593	1.3216771
Ba 2 Mg 6 Ta 2 Nb 6	-4.413	344.5553946	1.6189507
Sr 4 Mg 4 Ta 6 Nb 2	-5.081	345.2035149	1.2741959
Sr 4 Ca 4 Nb 2 P 6	-3.687	351.3787036	1.9936393
Sr 4 Pr 4 Nb 8	-5.106	351.9571832	1.2612934
Ba 4 Sr 4 P 8	-3.992	353.1270473	1.8362288
Ba 6 Mg 2 Ta 8	-5.097	354.1448787	1.2659383
Sr 4 La 4 Nb 8	-5.373	355.3245442	1.1234947
Ba 4 Ca 4 P 8	-3.911	355.5869146	1.8780329
Ba 4 Mg 4 Ta 4 Nb 4	-4.513	357.3496142	1.5673407
La 6 Gd 2 Zr 8	-5.75	358.0368935	0.928925
Ca 4 La 4 Nb 8	-5.354	359.280433	1.1333006
Ba 6 Be 2 Nb 6 P 2	-4.152	361.757423	1.7536528
Ba 2 Be 6 Nb 2 V 6	-3.88	362.8615167	1.894032
La 4 Pr 4 Zr 8	-5.544	364.0537155	1.0352416
Sr 4 Be 4 Nb 6 P 2	-4.112	364.1549444	1.7742968
La 6 Pr 2 Zr 8	-5.79	364.6195686	0.908281
Ba 2 Mg 6 Ta 4 Nb 4	-4.516	368.3499684	1.5657924
Ca 4 Mg 4 Ta 6 Nb 2	-5.161	369.6100602	1.2329079
Ba 4 Be 4 Nb 8	-4.211	370.2481153	1.7232029
Pr 4 Y 4 Zr 8	-4.749	372.5772305	1.4455411
Mg 4 Ta 2 Be 4 Nb 6	-4.355	374.0479294	1.6488845
Ca 4 Mg 4 Nb 6 P 2	-4.352	374.3624459	1.6504328
Gd 2 Y 6 Zr 8	-5.007	374.8526061	1.3123873
Pr 6 Y 2 Zr 8	-5.227	377.7253699	1.1988453
Sr 4 Mg 4 Nb 6 P 2	-4.28	377.8194065	1.687592
Y 8 Zr 8	-5.043	379.4084518	1.2938077

Ca 4 Pr 4 Nb 8	-5.047	379.878072	1.2917433
Ca 4 Y 4 Nb 8	-4.932	381.0413185	1.3510948
La 4 Y 4 Zr 8	-5.247	381.5196868	1.1885233
La 6 Y 2 Zr 8	-5.716	381.7289293	0.9464724
Ca 4 Ta 2 Be 4 Nb 6	-4.516	382.3764078	1.5657924
Ba 4 Mg 4 Nb 6 P 2	-4.251	383.9544594	1.7025589
Ba 4 Ta 2 Be 4 Nb 6	-4.332	384.6807636	1.6607548
Ba 4 Mg 4 Ta 6 Nb 2	-4.831	387.8405126	1.4032209
Ba 4 Mg 4 Ta 8	-5.227	388.1316609	1.1988453
Mg 4 Ta 4 Be 4 Nb 4	-4.494	390.292938	1.5771466
Ba 4 Y 4 Nb 8	-4.879	394.2733626	1.3784481
Ba 2 Mg 6 Nb 6 P 2	-4.214	395.2029872	1.7216546
Ba 2 Be 6 Nb 6 V 2	-3.779	396.0140714	1.9461581
La 8 Zr 8	-5.707	399.1731718	0.9511173
Sr 4 Y 4 Nb 8	-4.862	400.5209297	1.3872218
Dy 8 Fe 8	-4.189	401.8808547	1.7345571
Ba 2 Mg 6 Nb 2 P 6	-4.238	402.7754578	1.7092682
Ba 4 Be 4 Nb 6 P 2	-3.949	403.8763078	1.8584211
Ca 4 Ta 4 Be 4 Nb 4	-4.675	404.9666041	1.4837325
Ba 2 Mg 6 Ta 6 Nb 2	-4.891	405.6217028	1.3722549
Ca 4 Mg 4 Nb 2 P 6	-5.244	405.9704678	1.1900716
Pr 8 Hf 8	-5.209	412.0264043	1.2081351
Mg 4 Be 4 Nb 2 P 6	-4.635	414.0005678	1.5043765
Sr 4 Be 4 Nb 2 P 6	-4.576	414.2337517	1.5348264
Sn 8 Ta 8	-4.535	415.898156	1.5559865
Ba 4 Ta 4 Be 4 Nb 4	-4.597	418.250412	1.5239883
Sr 2 La 6 Nb 8	-5.586	422.0387714	1.0135654
Ba 4 La 4 Ta 4 Nb 4	-5.636	425.2400516	0.9877604
Sr 4 La 4 Ta 4 Nb 4	-5.558	426.3978816	1.0280162
Mg 8 Ta 8	-5.157	427.1857634	1.2349723
Ba 2 La 6 Nb 8	-5.607	428.8967378	1.0027273
Ba 2 Be 6 Nb 6 P 2	-4.396	431.0916661	1.6277244
Ca 4 Ta 6 Be 4 Nb 2	-4.749	434.8158005	1.4455411
Ho 8 Fe 8	-4.214	435.182325	1.7216546
Sr 4 Ta 2 Be 4 Nb 6	-4.208	437.2231718	1.7247512
Mg 4 Ta 6 Be 4 Nb 2	-4.806	438.3106966	1.4161234
Ba 4 Be 4 Nb 4 P 4	-3.992	439.8357503	1.8362288
Y 8 Hf 8	-5.141	442.1726608	1.2432299
Ca 4 Be 4 Nb 2 P 6	-5.397	446.4878221	1.1111083

Pr 4 Ba 4 Ta 7 Co 1	-5.285	447.6581283	1.1689115
Ta 8 Be 8	-5.189	447.7032683	1.2184571
Ca 4 Be 4 Nb 6 P 2	-4.385	448.4532609	1.6334015
Ca 2 La 6 Nb 8	-5.405	448.7119658	1.1069795
Gd 8 Hf 8	-5.42	449.0595573	1.099238
Dy 8 Zr 8	-4.861	449.8627258	1.3877379
Ba 2 Ta 4 Be 6 Nb 4	-4.251	451.5565203	1.7025589
Ba 2 Mg 6 Ta 8	-5.182	455.6601872	1.2220698
Sr 2 Y 6 Nb 8	-4.909	457.5867246	1.3629651
Sr 4 Ta 4 Be 4 Nb 4	-4.372	463.7801295	1.6401108
Pr 4 Ba 4 Ta 7 Ni 1	-5.228	464.360835	1.1983292
Ca 2 Y 6 Nb 8	-4.835	466.627169	1.4011565
Ba 4 Ta 6 Be 4 Nb 2	-4.742	466.9273104	1.4491538
Dy 8 Hf 8	-5.014	471.1606368	1.3087746
Ba 4 Ta 8 Be 4	-4.847	471.2837088	1.3949633
Pr 4 Ba 4 Ta 7 Fe 1	-5.243	471.4585847	1.1905877
Ba 4 La 4 Ta 8	-6.079	471.8876719	0.7591281
Ca 2 Pr 6 Nb 8	-4.863	474.2022993	1.3867057
Ba 6 Ta 6 Be 2 Nb 2	-4.28	476.7952584	1.687592
Ba 2 Be 6 Nb 8	-3.889	481.7222236	1.8893871
Sr 4 Ta 6 Be 4 Nb 2	-4.868	485.2225873	1.3841252
Sr 4 La 4 Ta 8	-6.247	485.7882519	0.6724233
La 4 Y 4 Nb 8	-5.015	487.014634	1.3082585
Ba 2 Y 6 Nb 8	-4.936	487.026441	1.3490304
Gd 8 Nb 8	-5.222	497.9724245	1.2014258
Ba 6 Ta 8 Be 2	-4.482	499.4019068	1.5833398
Ba 4 Pr 4 Ta 8	-5.627	501.1383244	0.9924053
Pr 4 Y 4 Nb 8	-4.573	503.216273	1.5363747
Ba 2 Ta 6 Be 6 Nb 2	-4.522	505.7371255	1.5626958
Sr 4 Pr 4 Ta 8	-5.811	505.8104044	0.8974429
Ba 2 Ta 2 Be 6 Nb 6	-4.053	508.308372	1.8047467
Mg 4 Be 4 Nb 6 P 2	-4.341	509.2092472	1.6561099
Gd 2 Y 6 Nb 8	-5.084	510.3008083	1.2726476
Ca 4 La 4 Ta 8	-6.046	512.9320785	0.7761594
La 6 Pr 2 Nb 8	-5.371	514.273193	1.1245269
La 6 Y 2 Nb 8	-5.387	514.6825663	1.1162693
Sr 4 Gd 4 Ta 8	-5.911	515.9205146	0.8458329
La 4 Pr 4 Nb 8	-5.223	518.3336375	1.2009097
Pr 6 Gd 2 Zr 8	-5.102	518.7898341	1.2633578

Sr 4 Be 4 Nb 4 P 4	-5.275	519.7996748	1.1740725
La 8 Hf 8	-6.182	529.7174568	0.7059698
Ca 4 Pr 4 Ta 8	-5.745	530.394481	0.9315055
Pr 6 Y 2 Nb 8	-4.825	534.1883998	1.4063175
Pr 8 Nb 8	-4.787	534.7732765	1.4259293
Sr 4 Y 4 Ta 8	-5.791	554.6464916	0.9077649
Ca 4 Y 4 Ta 8	-5.762	565.1683183	0.9227318
Ba 4 Y 4 Ta 8	-5.584	565.4239116	1.0145976
Mg 4 Be 4 Nb 4 P 4	-4.484	593.6862683	1.5823076
Ba 2 La 6 Ta 8	-6.333	597.2868305	0.6280387
Sr 2 Y 6 Ta 8	-5.045	597.8586051	1.2927755
Ca 4 Mg 4 Nb 4 P 4	-4.747	599.3085611	1.4465733
Ba 2 Pr 6 Ta 8	-5.791	616.7271842	0.9077649
Sr 2 Pr 6 Ta 8	-5.579	618.0803492	1.0171781
Ca 2 La 6 Ta 8	-6.022	620.4809088	0.7885458
Ba 2 Be 6 Nb 4 P 4	-4.949	633.5116086	1.3423211
Ca 2 Pr 6 Ta 8	-5.406	639.6595125	1.1064634
Gd 4 Y 4 Zr 8	-4.805	641.6222605	1.4166395
Ca 2 Y 6 Ta 8	-5.358	654.2530184	1.1312362
La 4 Gd 4 Ta 8	-5.667	657.3217518	0.9717613
Ba 2 Ta 8 Be 6	-4.873	657.7762306	1.3815447
La 4 Y 4 Ta 8	-5.509	658.5532288	1.0533051
Ca 4 Be 4 Nb 4 P 4	-4.79	667.5458103	1.424381
Pr 6 Y 2 Ta 8	-5.161	675.5924627	1.2329079
Ba 2 Y 6 Ta 8	-5.495	679.8019401	1.0605305
La 4 Pr 4 Ta 8	-5.686	681.1163915	0.9619554
La 6 Y 2 Ta 8	-6.074	706.9193589	0.7617086
La 6 Gd 2 Ta 8	-5.99	713.5218704	0.805061
Pr 8 Ta 8	-5.272	714.231794	1.1756208
Y 8 Ta 8	-5.492	716.2712185	1.0620788
Na 8 W 8	-4.24	788.3085054	1.708236
Rb 8 W 8	-3.856	823.499985	1.9064184
Gd 4 Y 4 Ta 8	-5.108	825.3697415	1.2602612
K 8 W 8	-4.09	833.6198024	1.785651
Li 8 W 8	-4.669	834.3553131	1.4868291
Gd 8 Ta 8	-5.581	850.9305145	1.0161459
Gd 2 Y 6 Ta 8	-5.501	964.85623	1.0574339
Pr 6 Gd 2 Nb 8	-4.135	1143.189189	1.7624265
Y 8 Mn 2 Cr 6	-3.652	46.94788464	2.0117028

La 6 Mn 8 Zn 2	-3.647	150.8927751	2.0142833
Ba 4 Be 4 V 8	-3.646	283.708755	2.0147994
Sr 7 La 1 Nb 1 V 7	-3.643	49.05215295	2.0163477
Rb 4 Ba 4 Nb 8	-3.642	62.80219426	2.0168638
Ba 6 Ca 2 Nb 4 V 4	-3.641	56.17513989	2.0173799
La 8 Fe 6 Co 2	-3.641	19.60661749	2.0173799
La 8 Sc 7 Mn 1	-3.639	10.21457362	2.0184121
Dy 2 Y 6 Cr 8	-3.639	21.35392387	2.0184121
Dy 2 Y 6 Mn 8	-3.636	80.01033801	2.0199604
Sr 6 Ca 2 Nb 2 V 6	-3.635	60.25413079	2.0204765
Ba 4 Be 4 Nb 4 V 4	-3.634	240.3683101	2.0209926
Y 8 Cr 8	-3.633	14.2008055	2.0215087
Y 6 Mn 6 Nb 2 Zn 2	-3.632	106.17374	2.0220248
Sr 4 Pr 4 V 8	-3.63	55.37856741	2.023057
Y 6 Ho 2 Cr 8	-3.629	21.28299412	2.0235731
Y 8 Mn 6 Cr 2	-3.629	74.33015417	2.0235731
Y 6 Ho 2 Mn 8	-3.628	81.52484037	2.0240892
La 8 Cr 1 Fe 7	-3.628	0	2.0240892
Pr 6 Gd 2 Cr 8	-3.623	0	2.0266697
Sr 7 Pr 1 V 8	-3.621	47.45505883	2.0277019
Ba 4 Ca 4 Nb 2 V 6	-3.62	95.56531846	2.028218
Dy 4 Y 4 Cr 8	-3.62	28.48129225	2.028218
Y 4 Ho 4 Cr 8	-3.62	28.31793275	2.028218
Sm 2 Y 6 Cr 8	-3.62	24.23727725	2.028218
Sm 2 Y 6 Mn 8	-3.62	75.3901819	2.028218
Ca 2 La 6 Fe 8	-3.619	30.097613	2.0287341
Sr 7 La 1 Ti 1 V 7	-3.618	46.32122829	2.0292502
Ba 4 Ca 4 Nb 4 V 4	-3.617	65.81982707	2.0297663
Rb 2 Sr 6 Nb 6 V 2	-3.616	61.38546468	2.0302824
Sr 4 La 4 V 4 Fe 4	-3.616	291.4239606	2.0302824
Sr 2 Ca 6 V 8	-3.615	55.90022852	2.0307985
Sr 8 V 6 Ru 2	-3.614	120.7894214	2.0313146
La 8 Mg 1 Fe 7	-3.614	0	2.0313146
Sr 8 V 7 Ir 1	-3.613	107.5008667	2.0318307
Y 8 Mn 7 Cr 1	-3.607	73.72591205	2.0349273
Sr 7 Ca 1 Ta 1 V 7	-3.605	54.21609389	2.0359595
Y 8 Mn 7 Fe 1	-3.602	71.43710228	2.0375078
Nd 2 Y 6 Mn 8	-3.596	73.71204324	2.0406044
Cs 2 Ba 6 Nb 6 Cr 2	-3.595	92.28414441	2.0411205

Sr 8 V 7 Ru 1	-3.592	86.12115537	2.0426688
Y 8 Mn 7 Co 1	-3.592	90.62760009	2.0426688
La 8 Sc 7 Fe 1	-3.591	0	2.0431849
Nd 2 Y 6 Cr 8	-3.591	8.708584563	2.0431849
Ba 8 Zr 3 Fe 1 Mo 4	-3.59	0	2.043701
Sr 2 La 6 Fe 8	-3.59	20.11485193	2.043701
Pr 8 Mn 4 Fe 4	-3.589	41.26255301	2.0442171
Sr 6 La 2 V 6 Fe 2	-3.588	159.6581541	2.0447332
Sr 7 La 1 V 7 Cr 1	-3.587	58.23287169	2.0452493
Sm 4 Y 4 Cr 8	-3.587	32.386499	2.0452493
Pr 6 Gd 2 Mn 8	-3.587	0	2.0452493
La 8 Mg 2 Fe 6	-3.586	0	2.0457654
Sr 8 P 8	-3.584	273.8724038	2.0467976
Sm 4 Y 4 Mn 8	-3.584	74.99294386	2.0467976
Sr 7 Sm 1 V 8	-3.582	47.97785783	2.0478298
Ba 4 Y 4 V 8	-3.58	91.32822007	2.048862
Pr 4 Nd 4 Cr 8	-3.579	4.297546625	2.0493781
Sr 7 Nd 1 V 8	-3.578	45.4834942	2.0498942
Ba 8 Tc 8	-3.576	27.00946567	2.0509264
Sr 7 Ho 1 V 8	-3.574	55.84449382	2.0519586
Pr 6 Sm 2 Cr 8	-3.574	41.88180175	2.0519586
Y 8 Mn 4 Cr 4	-3.574	71.35388842	2.0519586
La 8 Sc 4 Mn 4	-3.573	0	2.0524747
Sr 7 Dy 1 V 8	-3.572	54.23952545	2.0529908
Sr 7 Y 1 V 8	-3.572	52.33504732	2.0529908
Pr 8 Mn 6 Fe 2	-3.572	42.46560822	2.0529908
Sr 4 Ca 4 V 8	-3.571	64.07546051	2.0535069
Ba 6 Ca 2 P 8	-3.571	279.5381777	2.0535069
La 8 Mg 1 Cr 7	-3.571	0	2.0535069
Pr 4 Sm 4 Cr 8	-3.57	43.085182	2.054023
Sr 8 V 6 Ir 2	-3.567	174.8225942	2.0555713
Pr 8 Cr 8	-3.565	39.2066715	2.0566035
Pr 6 Nd 2 Cr 8	-3.564	21.85460906	2.0571196
Y 8 Mn 7 Ni 1	-3.564	131.6255928	2.0571196
Pr 6 Dy 2 Cr 8	-3.563	46.49619837	2.0576357
Nd 4 Y 4 Cr 8	-3.562	0	2.0581518
Sr 8 V 7 Si 1	-3.556	75.88967878	2.0612484
Pr 6 Ho 2 Cr 8	-3.556	47.86751862	2.0612484
Sr 8 Ti 1 V 7	-3.555	0	2.0617645

Sr 6 Mg 2 V 8	-3.555	118.9471195	2.0617645
Cs 2 Sr 6 Nb 6 V 2	-3.551	92.03589372	2.0638289
Ba 2 Ca 6 V 8	-3.549	84.34482786	2.0648611
Sr 8 Ta 1 V 7	-3.549	0	2.0648611
Sr 8 V 7 Ge 1	-3.549	56.43216097	2.0648611
Ba 6 Mg 2 Nb 4 V 4	-3.547	128.8225827	2.0658933
Pr 4 Dy 4 Cr 8	-3.547	47.29397525	2.0658933
Ba 2 Ca 6 Nb 2 P 6	-3.546	337.0767138	2.0664094
Pr 4 Ho 4 Cr 8	-3.546	48.70161575	2.0664094
Ba 2 Sr 6 Nb 2 V 6	-3.543	48.78353878	2.0679577
Ba 2 Ho 6 Fe 8	-3.543	341.9985914	2.0679577
Sr 8 Nb 4 Sn 4	-3.543	140.1736539	2.0679577
Sr 7 Mg 1 V 8	-3.542	83.1035044	2.0684738
Y 6 Ta 2 Zn 2 Fe 6	-3.542	128.6629375	2.0684738
Pr 4 Dy 4 Mn 8	-3.541	75.82852968	2.0689899
Ca 2 La 6 Cr 8	-3.539	20.68210087	2.0700221
Pr 4 Ho 4 Mn 8	-3.538	80.3685148	2.0705382
Nd 4 Y 4 Mn 8	-3.537	69.39216655	2.0710543
Sr 7 Ca 1 Nb 1 V 7	-3.536	51.60750954	2.0715704
Pr 8 Mn 7 Fe 1	-3.535	43.36838582	2.0720865
Mg 4 Be 4 Nb 4 V 4	-3.533	183.3789687	2.0731187
Ba 1 Sr 7 V 8	-3.533	53.77318896	2.0731187
Ba 8 Os 8	-3.533	257.2098019	2.0731187
Sr 4 Mg 4 Nb 4 V 4	-3.531	97.06873331	2.0741509
Y 8 Mg 1 Mn 7	-3.527	0	2.0762153
Ba 8 Zr 5 Nb 2 Fe 1	-3.526	0	2.0767314
Pr 6 Nd 2 Mn 8	-3.525	48.16978836	2.0772475
Sr 6 La 2 Sc 2 V 6	-3.524	71.55859051	2.0777636
Y 7 Mn 8 Zn 1	-3.523	115.18613	2.0782797
La 6 Ta 2 Zn 2 Co 6	-3.523	228.8621857	2.0782797
Cs 4 Ba 4 Nb 8	-3.521	148.8194906	2.0793119
Sr 8 V 7 Rh 1	-3.521	97.02720599	2.0793119
Ba 6 Sr 2 Nb 4 V 4	-3.52	29.05139001	2.079828
Ba 2 Sr 6 V 8	-3.52	66.15898863	2.079828
Pr 8 Mn 8	-3.52	46.28266343	2.079828
Pr 4 Nd 4 Mn 8	-3.519	49.8721633	2.0803441
Pr 6 Sm 2 Mn 8	-3.519	53.40592702	2.0803441
Sr 8 Mn 1 V 7	-3.517	79.35437177	2.0813763
Rb 2 Sr 6 Mn 2 Nb 6	-3.517	32.20432192	2.0813763

Sr 6 La 2 V 6 Co 2	-3.515	134.8743998	2.0824085
Ba 2 La 6 Fe 8	-3.515	32.33677783	2.0824085
Y 6 Hf 2 Mn 6 Zn 2	-3.512	117.7262753	2.0839568
Pr 8 V 4 Ni 4	-3.512	156.8641461	2.0839568
Sr 7 La 1 V 7 Fe 1	-3.508	106.9810217	2.0860212
Y 6 Zr 2 Mn 6 Zn 2	-3.508	122.4617856	2.0860212
Pr 4 Sm 4 Mn 8	-3.508	59.22394061	2.0860212
Ba 6 Bi 2 Zr 7 Fe 1	-3.506	12.59130455	2.0870534
Cs 8 Mo 8	-3.504	302.580573	2.0880856
Sr 8 Nb 1 V 7	-3.504	0	2.0880856
Pr 6 Ho 2 Mn 8	-3.504	66.68046411	2.0880856
La 6 Nb 2 Zn 2 Co 6	-3.504	231.7167532	2.0880856
Y 8 Cr 6 Co 2	-3.503	71.61625693	2.0886017
Pr 6 Dy 2 Mn 8	-3.503	63.79322155	2.0886017
Sr 8 V 7 Sn 1	-3.498	61.22053363	2.0911822
Y 8 Mn 6 Co 2	-3.496	103.4615302	2.0922144
Pr 6 Ta 2 Mn 6 Zn 2	-3.495	107.4505483	2.0927305
Y 8 Cr 7 Co 1	-3.495	43.00865621	2.0927305
Sr 8 Zr 1 V 7	-3.494	47.1022917	2.0932466
La 8 Mn 4 Co 4	-3.493	89.60772056	2.0937627
Rb 4 Sr 4 V 4 Cr 4	-3.492	341.1188531	2.0942788
Pr 6 Mn 6 Nb 2 Zn 2	-3.492	105.2166135	2.0942788
Pr 8 Mn 7 Cr 1	-3.49	49.98828944	2.095311
Ba 2 Dy 6 Fe 8	-3.482	317.6341138	2.0994398
La 6 Ti 2 Zn 2 Fe 6	-3.481	99.62389225	2.0999559
Sr 4 La 4 V 4 Co 4	-3.479	202.3254136	2.1009881
Pr 8 Mn 7 Ni 1	-3.476	117.8260863	2.1025364
Sr 8 Hf 1 V 7	-3.475	49.46402457	2.1030525
Ba 4 Be 4 Nb 2 V 6	-3.475	329.8419076	2.1030525
Gd 4 Y 4 Fe 8	-3.475	0	2.1030525
Sr 8 Ti 2 V 6	-3.473	0	2.1040847
Pr 8 Mn 6 Cr 2	-3.47	55.75116544	2.105633
La 6 Zn 2 Fe 8	-3.47	160.7067649	2.105633
Ca 4 Mg 4 Nb 2 V 6	-3.469	122.182606	2.1061491
La 6 Zr 2 Zn 2 Fe 6	-3.469	120.060477	2.1061491
Pr 8 Mg 1 Mn 7	-3.468	0	2.1066652
Sr 8 V 7 Pt 1	-3.467	132.1043816	2.1071813
Y 8 Sc 4 Fe 4	-3.467	28.97125149	2.1071813
Pr 4 Gd 4 Fe 8	-3.467	0	2.1071813

Sr 8 V 4 Ir 4	-3.466	283.9096431	2.1076974
Sr 7 La 1 Mn 1 V 7	-3.463	84.52432151	2.1092457
Y 6 Ti 2 Mn 6 Zn 2	-3.462	115.6088227	2.1097618
Sr 4 Be 4 Nb 4 V 4	-3.46	257.8464066	2.110794
Pr 8 Mn 2 Cr 6	-3.459	53.24791948	2.1113101
La 8 Sc 6 Cr 2	-3.457	0	2.1123423
Rb 2 Sr 6 Nb 6 Fe 2	-3.456	43.6568041	2.1128584
La 6 Hf 2 Zn 2 Fe 6	-3.456	156.4194232	2.1128584
Sr 7 La 1 Sc 1 V 7	-3.455	63.6197399	2.1133745
La 5 Mn 8 Zn 3	-3.455	223.0396627	2.1133745
La 8 Cr 6 Ni 2	-3.454	91.92942343	2.1138906
Pr 8 Mn 1 Cr 7	-3.453	47.00904549	2.1144067
Gd 2 Y 6 Cr 8	-3.452	0	2.1149228
Ba 4 Sr 4 Nb 2 V 6	-3.45	62.78738811	2.115955
Sr 8 V 4 Pt 4	-3.446	383.7488441	2.1180194
Y 8 Cr 4 Fe 4	-3.446	25.00017737	2.1180194
Y 8 Cr 7 Fe 1	-3.445	18.84638853	2.1185355
Ba 2 Sr 6 Ta 2 V 6	-3.441	51.8164575	2.1205999
Pr 8 Mn 7 Co 1	-3.441	68.96234359	2.1205999
Ba 1 Sr 7 Ta 1 V 7	-3.439	51.6929234	2.1216321
Ba 4 Ca 4 Nb 2 P 6	-3.437	299.1919398	2.1226643
Sr 8 Zr 2 V 6	-3.436	43.3794441	2.1231804
Sr 8 Hf 2 V 6	-3.433	53.30240985	2.1247287
Y 8 V 4 Ni 4	-3.43	86.26435335	2.126277
Ba 6 Ca 2 Nb 2 V 6	-3.429	93.42343185	2.1267931
Sr 8 V 6 Sn 2	-3.429	77.46542796	2.1267931
Sr 7 Ca 1 Mn 1 V 7	-3.428	94.83641025	2.1273092
Pr 6 Gd 2 Fe 8	-3.428	0	2.1273092
Ba 6 Be 2 Nb 4 V 4	-3.427	154.3022009	2.1278253
Ba 8 Fe 4 Re 4	-3.427	0.758438	2.1278253
Sr 8 V 4 Si 4	-3.425	160.7070472	2.1288575
Ba 4 Sr 4 V 8	-3.425	90.98858796	2.1288575
Rb 2 Ba 6 Nb 6 V 2	-3.422	40.72025192	2.1304058
La 8 Cr 2 Co 6	-3.418	188.9806068	2.1324702
Pr 7 Mn 8 Zn 1	-3.417	95.16749933	2.1329863
Y 8 Cr 2 Fe 6	-3.416	30.91390305	2.1335024
Gd 2 Y 6 Fe 8	-3.415	0	2.1340185
La 8 Ga 4 Co 4	-3.414	112.2234712	2.1345346
Pr 8 Sc 4 Fe 4	-3.411	31.39123025	2.1360829

Y 8 Mg 2 Mn 6	-3.41	0	2.136599
Y 8 Cr 6 Fe 2	-3.409	23.90822156	2.1371151
Y 8 Mn 6 Ni 2	-3.408	218.2255157	2.1376312
Sr 4 Ca 4 Ti 4 V 4	-3.406	71.38723327	2.1386634
Sr 8 V 7 Cr 1	-3.403	58.82380141	2.1402117
Ba 8 Nb 4 V 4	-3.4	18.40334177	2.14176
Sr 7 Ca 1 Ti 1 V 7	-3.399	56.53572529	2.1422761
Ba 6 Be 2 Nb 2 P 6	-3.397	420.1120955	2.1433083
Pr 8 Ti 4 Co 4	-3.396	69.57016898	2.1438244
Pr 8 Mg 4 V 4	-3.393	0	2.1453727
Ca 4 Be 4 Nb 2 V 6	-3.392	208.4469912	2.1458888
Sr 8 V 6 Si 2	-3.391	105.4364683	2.1464049
La 8 Fe 6 Ni 2	-3.391	78.06410299	2.1464049
Ba 4 Nb 8 Zn 4	-3.39	298.1576598	2.146921
Ba 8 Nb 4 Ge 4	-3.39	194.0237525	2.146921
Y 8 Mn 2 Fe 6	-3.389	54.96026403	2.1474371
Sr 7 La 1 V 7 Co 1	-3.388	94.11648788	2.1479532
Sr 7 Ca 1 V 7 Sn 1	-3.385	81.85306001	2.1495015
Sr 3 La 5 Mn 8	-3.384	74.96746048	2.1500176
Sr 8 V 7 Pd 1	-3.383	133.5695442	2.1505337
Sr 8 V 6 Rh 2	-3.382	155.3180227	2.1510498
Sr 8 V 6 Pt 2	-3.381	223.4741239	2.1515659
La 8 Ga 6 Co 2	-3.379	59.52755365	2.1525981
Pr 8 Cr 4 Fe 4	-3.377	13.38305705	2.1536303
Cs 2 Ba 6 Nb 6 V 2	-3.375	75.96330729	2.1546625
Ca 2 Y 6 Mn 8	-3.37	107.2855794	2.157243
Pr 8 Mn 4 Cr 4	-3.368	63.24216746	2.1582752
Pr 8 Mn 6 Co 2	-3.368	93.54652375	2.1582752
Cs 2 Sr 6 Nb 6 Fe 2	-3.366	75.74248904	2.1593074
Pr 4 Ba 4 Hf 4 Fe 4	-3.366	0	2.1593074
Pr 8 Fe 8	-3.365	15.8899426	2.1598235
Pr 6 Nd 2 Fe 8	-3.362	20.3826618	2.1613718
Ba 8 Zr 5 Fe 1 Mo 2	-3.361	0	2.1618879
Ba 8 Nb 2 P 6	-3.357	326.3817108	2.1639523
Pr 4 Nd 4 Fe 8	-3.356	24.650631	2.1644684
La 8 Cr 1 Co 7	-3.356	184.804399	2.1644684
Ba 6 Sr 2 Nb 2 V 6	-3.355	72.73423745	2.1649845
Y 8 Cr 1 Fe 7	-3.352	33.81164089	2.1665328
Pr 6 Sm 2 Fe 8	-3.351	24.3643463	2.1670489

Ba 1 Sr 7 Nb 1 V 7	-3.349	55.86508904	2.1680811
Y 8 Sc 6 Fe 2	-3.348	30.07493787	2.1685972
Y 8 Mg 4 V 4	-3.347	0	2.1691133
Pr 4 Ba 4 Hf 6 Co 2	-3.347	61.60734924	2.1691133
Sr 8 Mn 2 V 6	-3.346	106.1741399	2.1696294
Pr 6 Zr 2 Mn 6 Zn 2	-3.346	109.0849217	2.1696294
Sr 8 Sc 1 V 7	-3.345	0	2.1701455
Ba 6 Ca 2 Nb 2 P 6	-3.345	288.4499698	2.1701455
Pr 6 Ti 2 Mn 6 Zn 2	-3.345	123.3774777	2.1701455
La 8 Fe 4 Co 4	-3.344	91.82066148	2.1706616
Sr 4 Ca 4 V 4 Sn 4	-3.343	156.7905721	2.1711777
Sr 6 Ca 2 Ti 2 V 6	-3.342	64.29306129	2.1716938
Pr 4 Sm 4 Fe 8	-3.342	31.288	2.1716938
Pr 6 Hf 2 Mn 6 Zn 2	-3.341	103.0597704	2.1722099
Y 4 Ca 4 Mn 7 Fe 1	-3.341	286.8452918	2.1722099
La 8 Fe 2 Co 6	-3.341	172.2316909	2.1722099
Y 4 Ca 4 Mn 6 Fe 2	-3.338	277.3530947	2.1737582
Sr 6 Ca 2 Mn 2 V 6	-3.337	135.2517169	2.1742743
Pr 6 Dy 2 Fe 8	-3.337	33.88050072	2.1742743
Sr 8 Ti 4 V 4	-3.336	0	2.1747904
Sr 8 V 6 Ge 2	-3.336	71.80018264	2.1747904
Sr 8 Zr 4 V 4	-3.335	22.16456908	2.1753065
Sr 7 La 1 V 7 Ni 1	-3.335	102.4017623	2.1753065
Pr 8 Cr 7 Fe 1	-3.335	32.50201789	2.1753065
Sr 6 Ca 2 V 6 Fe 2	-3.334	191.4257279	2.1758226
Sr 7 Ca 1 V 7 Fe 1	-3.333	121.8946716	2.1763387
Y 6 Mn 8 Zn 2	-3.33	152.6330901	2.177887
Pr 8 Cr 7 Co 1	-3.329	61.04997565	2.1784031
Ba 4 Ca 4 V 8	-3.327	124.5441592	2.1794353
Sr 8 Al 1 V 7	-3.326	57.19457035	2.1799514
Pr 6 Ho 2 Fe 8	-3.326	36.70074329	2.1799514
Ba 2 Be 6 P 8	-3.325	281.9337636	2.1804675
Ba 4 Sr 4 Nb 2 P 6	-3.324	320.8578062	2.1809836
Nd 4 Y 4 Fe 8	-3.324	46.78138787	2.1809836
Sr 8 Hf 4 V 4	-3.323	47.0586804	2.1814997
Ba 4 Ca 4 Mn 4 Nb 4	-3.323	156.9262999	2.1814997
Rb 8 Cr 8	-3.32	353.6671764	2.183048
Pr 8 Mn 1 Fe 7	-3.32	23.9074702	2.183048
La 4 Gd 4 Co 8	-3.32	0	2.183048

Pr 4 Dy 4 Fe 8	-3.319	44.41417212	2.1835641
Sr 6 Ca 2 V 6 Sn 2	-3.318	113.0189807	2.1840802
Pr 8 Cr 6 Co 2	-3.318	82.4052798	2.1840802
Pr 4 Ho 4 Fe 8	-3.318	48.60890725	2.1840802
La 8 Ga 7 Co 1	-3.318	33.32421986	2.1840802
Sr 7 V 8 Zn 1	-3.317	101.7142223	2.1845963
Sr 8 Nb 4 Ru 4	-3.317	117.6221384	2.1845963
Dy 2 Y 6 Fe 8	-3.315	42.50329682	2.1856285
Ba 4 Mg 4 Nb 4 V 4	-3.314	180.189565	2.1861446
Y 8 Fe 8	-3.314	36.60262873	2.1861446
Ba 6 Mg 2 P 8	-3.313	280.670759	2.1866607
La 8 Mn 2 Co 6	-3.313	147.3068309	2.1866607
Y 8 Cr 4 Co 4	-3.311	120.1264584	2.1876929
Ba 6 Sr 2 Nb 2 P 6	-3.31	325.0083007	2.188209
La 6 Gd 2 Co 8	-3.31	0	2.188209
Pr 8 Mg 2 Mn 6	-3.309	0	2.1887251
La 6 Dy 2 Co 8	-3.309	231.3621027	2.1887251
Ca 4 La 4 Cr 8	-3.308	80.17409824	2.1892412
Pr 8 Mn 6 Ni 2	-3.307	117.4702592	2.1897573
Y 6 Ho 2 Fe 8	-3.306	43.84579918	2.1902734
Y 8 Sc 4 Cr 4	-3.304	24.51433987	2.1913056
Sr 8 Y 1 V 7	-3.302	88.16640533	2.1923378
Rb 2 Ba 6 Mn 2 Nb 6	-3.302	37.25733967	2.1923378
Y 4 Ho 4 Fe 8	-3.302	51.00371963	2.1923378
La 4 Ca 4 Mn 7 Fe 1	-3.301	178.3332088	2.1928539
Sm 2 Y 6 Fe 8	-3.301	40.13222417	2.1928539
Ba 2 Be 6 Nb 4 V 4	-3.298	353.1846693	2.1944022
Ba 2 Mg 6 Nb 4 V 4	-3.298	176.8142801	2.1944022
La 8 Fe 1 Co 7	-3.297	193.2696911	2.1949183
La 8 Sc 7 Cr 1	-3.296	0	2.1954344
Dy 4 Y 4 Fe 8	-3.296	48.25457563	2.1954344
Sr 8 V 7 Ga 1	-3.295	66.9824205	2.1959505
Pr 8 Mn 2 Fe 6	-3.294	31.22274781	2.1964666
Ba 2 Gd 6 Fe 8	-3.293	114.4681574	2.1969827
La 8 Sc 4 Co 4	-3.291	84.6803341	2.1980149
Sr 8 V 7 Zn 1	-3.288	83.24935867	2.1995632
Y 8 Mn 1 Fe 7	-3.288	45.53794638	2.1995632
Nd 2 Y 6 Fe 8	-3.287	44.0601333	2.2000793
Pr 8 Cr 6 Fe 2	-3.284	26.18236427	2.2016276

Y 6 Nb 2 Zn 2 Fe 6	-3.284	210.805349	2.2016276
Ca 2 Pr 6 Mn 8	-3.283	79.92132449	2.2021437
La 5 Zn 3 Fe 8	-3.281	236.5011107	2.2031759
Ca 4 La 4 Mn 8	-3.28	126.6077788	2.203692
La 8 Mg 4 Fe 4	-3.279	0	2.2042081
Sr 8 V 6 Pd 2	-3.279	221.0964492	2.2042081
Pr 4 Ba 4 Zr 6 Co 2	-3.277	60.51216449	2.2052403
Y 8 Mn 4 Ga 4	-3.276	83.23315196	2.2057564
Sm 4 Y 4 Fe 8	-3.275	41.75381961	2.2062725
La 6 Hf 2 Zn 2 Co 6	-3.274	268.1048453	2.2067886
Sr 8 V 7 Fe 1	-3.273	59.54520144	2.2073047
La 6 Ho 2 Co 8	-3.273	0	2.2073047
La 6 Sm 2 Co 8	-3.273	215.0028082	2.2073047
Ba 1 Sr 7 Ti 1 V 7	-3.272	57.85970768	2.2078208
Sn 8 V 8	-3.271	300.0409299	2.2083369
Ba 2 Sm 6 Fe 8	-3.271	223.4681796	2.2083369
La 1 Y 4 Mn 8 Zn 3	-3.27	212.4078727	2.208853
La 6 Nd 2 Co 8	-3.27	205.7291695	2.208853
Sr 4 Mg 4 Nb 2 V 6	-3.266	124.2306776	2.2109174
Sr 8 V 7 Co 1	-3.266	73.35628469	2.2109174
Pr 6 Ta 2 Zn 2 Fe 6	-3.266	177.9944072	2.2109174
Ba 1 Sr 7 V 7 Sn 1	-3.265	79.33108329	2.2114335
La 4 Ca 4 Mn 7 Co 1	-3.265	199.407709	2.2114335
La 4 Ca 4 Mn 6 Fe 2	-3.263	172.1301242	2.2124657
Sr 2 Y 6 Mn 8	-3.261	105.820872	2.2134979
Pr 6 Nb 2 Zn 2 Fe 6	-3.261	135.3574479	2.2134979
Sr 6 La 2 V 6 Ni 2	-3.256	151.8401353	2.2160784
Sr 8 V 4 Ge 4	-3.256	105.579976	2.2160784
Y 8 Ti 4 Co 4	-3.251	33.28660573	2.2186589
Rb 1 Sr 7 Ta 1 V 7	-3.249	63.1910862	2.2196911
Li 8 Mo 8	-3.249	43.02107739	2.2196911
Sr 8 Mg 1 V 7	-3.245	68.47324018	2.2217555
Sr 8 V 4 Sn 4	-3.245	91.07313513	2.2217555
Ba 8 Nb 2 V 6	-3.244	70.7491892	2.2222716
Ba 8 V 8	-3.244	3.38403663	2.2222716
Rb 1 Sr 7 Nb 1 V 7	-3.243	65.17925184	2.2227877
Ba 4 Ca 4 Nb 4 Cr 4	-3.243	83.80819559	2.2227877
Sr 8 V 7 Cu 1	-3.242	114.2636475	2.2233038
Y 8 Sc 7 Fe 1	-3.24	29.21790606	2.224336

Ba 6 Mg 2 Nb 2 V 6	-3.239	163.0006251	2.2248521
Mg 4 Be 4 Nb 2 V 6	-3.237	209.5402427	2.2258843
Sr 7 Ca 1 V 7 Ni 1	-3.237	115.8456622	2.2258843
La 8 Mn 1 Co 7	-3.236	172.576511	2.2264004
Rb 2 Ba 6 Nb 6 Fe 2	-3.233	22.42988225	2.2279487
Pr 8 Sc 4 Cr 4	-3.231	29.561096	2.2289809
La 4 Sm 4 Co 8	-3.231	230.8646751	2.2289809
Pr 8 Sc 6 Mn 2	-3.228	44.51793123	2.2305292
La 8 Fe 4 Ni 4	-3.228	188.2013825	2.2305292
Ba 1 Sr 7 Mn 1 V 7	-3.226	99.86067143	2.2315614
Sr 7 Ca 1 V 7 Cr 1	-3.225	75.05696984	2.2320775
Pr 8 Sc 6 Fe 2	-3.225	28.92950037	2.2320775
Sr 8 V 6 Cr 2	-3.224	73.16746352	2.2325936
La 8 Fe 2 Ni 6	-3.224	386.1818974	2.2325936
Ba 2 Ca 6 P 8	-3.223	287.0179016	2.2331097
Sr 6 Ca 2 V 6 Cr 2	-3.223	95.75305038	2.2331097
Ba 4 Mg 4 Nb 2 P 6	-3.22	312.7171297	2.234658
Ba 4 Ce 4 Mn 8	-3.219	170.8044819	2.2351741
La 8 Co 7 Ni 1	-3.216	248.0355267	2.2367224
Sr 2 Pr 6 Mn 8	-3.215	62.07011709	2.2372385
K 8 Cr 8	-3.213	358.4058535	2.2382707
La 5 Sr 3 Fe 6 Co 2	-3.212	146.9089383	2.2387868
Ba 8 Zr 6 Fe 1 Mo 1	-3.211	0	2.2393029
Ba 6 Be 2 Nb 2 V 6	-3.209	182.6802984	2.2403351
La 8 Cr 4 Ni 4	-3.209	171.7252434	2.2403351
Y 8 Fe 7 Co 1	-3.209	63.68137654	2.2403351
Ba 4 Be 4 Nb 2 P 6	-3.208	428.1020733	2.2408512
Ba 6 Mg 2 Nb 2 P 6	-3.208	329.4718015	2.2408512
Sr 4 Ca 4 Nb 4 Sn 4	-3.207	147.4256724	2.2413673
La 4 Nd 4 Co 8	-3.206	212.9808978	2.2418834
Y 8 Sc 7 Mn 1	-3.204	41.04247371	2.2429156
Cs 1 Sr 7 Ta 1 V 7	-3.204	86.57321112	2.2429156
Y 8 Sc 6 Mn 2	-3.204	51.55582317	2.2429156
Pr 8 Cr 4 Co 4	-3.204	123.0158881	2.2429156
Ba 6 Mg 2 V 8	-3.203	221.9926675	2.2434317
Y 8 Ga 4 Fe 4	-3.202	57.74772029	2.2439478
Cs 1 Sr 7 Nb 1 V 7	-3.201	88.28337676	2.2444639
Pr 8 Cr 1 Fe 7	-3.195	15.27759621	2.2475605
Ba 4 La 4 Cr 8	-3.193	98.35130258	2.2485927

Cs 2 Ba 6 Mn 2 Nb 6	-3.192	65.53768399	2.2491088
La 5 Ca 3 Fe 6 Co 2	-3.191	98.40563711	2.2496249
La 8 Cr 2 Ni 6	-3.191	375.3885633	2.2496249
Pr 8 Mn 4 Ga 4	-3.189	83.75140846	2.2506571
Y 8 Fe 7 Ni 1	-3.188	91.67561929	2.2511732
La 4 Ca 4 Mn 7 Ni 1	-3.187	231.2947017	2.2516893
Cs 2 Sr 6 Mn 2 Nb 6	-3.183	51.95441624	2.2537537
Ba 2 Y 6 Mn 8	-3.181	131.9969457	2.2547859
Cs 4 Ba 4 Nb 4 V 4	-3.178	216.8561532	2.2563342
La 8 Co 8	-3.178	197.6489412	2.2563342
Pr 6 Mn 8 Zn 2	-3.174	147.8673352	2.2583986
Sr 4 La 4 V 4 Ni 4	-3.171	236.6446346	2.2599469
Pr 8 Sc 7 Mn 1	-3.17	34.55810087	2.260463
Ba 2 Nd 6 Fe 8	-3.17	178.054208	2.260463
Y 8 Cr 4 Ga 4	-3.17	54.89969625	2.260463
Be 8 V 8	-3.168	203.9774734	2.2614952
Ba 1 Sr 7 V 7 Cr 1	-3.168	77.41260107	2.2614952
La 8 Ga 6 Ni 2	-3.168	130.5792891	2.2614952
Pr 8 Fe 7 Co 1	-3.166	41.92540036	2.2625274
Cs 2 Ba 6 Nb 6 Fe 2	-3.164	52.93661229	2.2635596
Pr 8 Mg 1 Fe 7	-3.164	0	2.2635596
La 8 Co 6 Ni 2	-3.163	273.4561122	2.2640757
Sr 4 La 4 Fe 8	-3.159	69.28013037	2.2661401
Ba 2 Pr 6 Mn 8	-3.157	84.73487218	2.2671723
Sr 4 Be 4 Nb 2 V 6	-3.156	276.6771065	2.2676884
Y 8 Cr 7 Ni 1	-3.156	75.01114896	2.2676884
La 8 Ti 4 Ni 4	-3.156	145.6777755	2.2676884
Ba 4 Bi 4 Zr 7 Fe 1	-3.153	159.8886574	2.2692367
Sr 4 Ca 4 Nb 4 Cr 4	-3.153	31.71741275	2.2692367
Pr 8 Ga 4 Fe 4	-3.152	42.48063787	2.2697528
Ba 2 Ca 6 Nb 4 P 4	-3.15	390.1457189	2.270785
Pr 8 Sc 4 Mn 4	-3.15	55.48809196	2.270785
Rb 1 Sr 7 V 8	-3.149	82.01885176	2.2713011
La 4 Ca 4 Mn 6 Co 2	-3.149	216.6176391	2.2713011
Sr 8 Nb 4 Ge 4	-3.147	191.8295763	2.2723333
Ba 2 Sr 6 Nb 2 P 6	-3.146	282.0584845	2.2728494
Ba 2 Mg 6 V 8	-3.14	245.5002237	2.275946
Ca 2 Y 6 Cr 8	-3.14	83.58591481	2.275946
Sr 8 Al 2 V 6	-3.139	72.83925139	2.2764621

Sr 4 La 4 Mn 8	-3.137	93.142364	2.2774943
La 4 Dy 4 Co 8	-3.135	242.6457642	2.2785265
Y 8 Ga 6 Fe 2	-3.134	66.45432437	2.2790426
Ba 6 Ca 2 V 8	-3.133	133.6488776	2.2795587
Y 7 Zn 1 Fe 8	-3.133	87.44022127	2.2795587
Sr 8 V 7 Ni 1	-3.132	108.185692	2.2800748
Y 8 Fe 6 Co 2	-3.132	85.20387435	2.2800748
La 8 Ga 4 Ni 4	-3.132	253.5016922	2.2800748
Ca 2 Pr 6 Fe 8	-3.13	75.38610366	2.281107
Pr 8 Sc 7 Fe 1	-3.128	26.37976044	2.2821392
Ba 6 Sr 2 V 8	-3.128	114.9064373	2.2821392
Sr 6 V 8 Zn 2	-3.127	133.8560553	2.2826553
La 4 Sr 4 Mn 7 Co 1	-3.126	132.7417942	2.2831714
Y 8 Mg 1 Fe 7	-3.126	0	2.2831714
La 7 Zn 1 Co 8	-3.126	261.9598288	2.2831714
La 8 Ga 7 Ni 1	-3.125	68.53121261	2.2836875
Ba 4 Ca 4 Nb 4 P 4	-3.121	350.0407489	2.2857519
Ba 4 La 4 Nb 4 Ni 4	-3.121	214.4375941	2.2857519
Ca 2 Y 6 Fe 8	-3.119	94.15177068	2.2867841
Y 4 Ca 4 Mn 7 Ni 1	-3.117	338.9364117	2.2878163
La 4 Ho 4 Co 8	-3.114	243.0367493	2.2893646
Ba 8 Nb 4 Sb 4	-3.114	71.79944513	2.2893646
Sr 4 Ca 4 V 4 Cr 4	-3.112	137.3717891	2.2903968
La 1 Pr 4 Mn 8 Zn 3	-3.111	214.8886195	2.2909129
Sr 8 V 4 Ru 4	-3.11	153.7277126	2.291429
Ba 2 Sr 6 Ti 2 V 6	-3.108	72.28577606	2.2924612
La 8 Mg 1 Co 7	-3.108	0	2.2924612
Y 8 Mn 2 Ga 6	-3.107	79.45514298	2.2929773
Ca 4 La 4 Fe 8	-3.106	81.06765249	2.2934934
La 4 Sr 4 Mn 7 Fe 1	-3.105	110.725794	2.2940095
La 6 Ti 2 Zn 2 Co 6	-3.104	262.301398	2.2945256
Rb 2 Sr 6 Ta 2 V 6	-3.103	85.4840331	2.2950417
Ca 4 Y 4 Mn 8	-3.103	141.8712388	2.2950417
Sr 8 Sc 2 V 6	-3.102	0	2.2955578
Pr 8 Cr 2 Fe 6	-3.101	14.67099982	2.2960739
Cs 1 Sr 7 V 8	-3.1	106.9847267	2.29659
Sr 4 V 8 Zn 4	-3.099	198.6980144	2.2971061
Ba 8 Nb 2 Sb 6	-3.097	58.78703243	2.2981383
Ba 2 Mg 6 Nb 2 V 6	-3.096	213.5267782	2.2986544

La 6 Nb 2 Zn 2 Ni 6	-3.096	424.5222097	2.2986544
Rb 1 Sr 7 V 7 Fe 1	-3.095	98.0429139	2.2991705
Y 8 Mg 1 Cr 7	-3.094	0	2.2996866
Y 8 Cr 2 Co 6	-3.094	191.3056598	2.2996866
La 8 Ga 7 Fe 1	-3.094	0.816972052	2.2996866
Pr 7 Zn 1 Fe 8	-3.092	73.1027785	2.3007188
La 8 Cr 1 Ni 7	-3.089	440.4763482	2.3022671
Ba 4 Mg 4 Nb 2 V 6	-3.087	223.3324691	2.3032993
La 6 Ta 2 Zn 2 Ni 6	-3.083	425.5888922	2.3053637
Ba 2 Be 6 Nb 2 P 6	-3.082	347.265352	2.3058798
Sr 4 Ca 4 Mn 4 V 4	-3.082	193.9640249	2.3058798
Y 8 Fe 6 Ni 2	-3.081	150.1011099	2.3063959
Ba 8 Fe 4 Mo 4	-3.077	0	2.3084603
Rb 2 Sr 6 Nb 2 V 6	-3.075	72.58161438	2.3094925
Y 6 Hf 2 Zn 2 Fe 6	-3.075	141.6046343	2.3094925
La 8 Co 4 Ni 4	-3.074	330.9517025	2.3100086
Sr 8 Y 2 V 6	-3.073	118.720001	2.3105247
Sr 8 V 6 Ga 2	-3.073	88.81920171	2.3105247
Sr 8 Nb 4 Cr 4	-3.072	16.252789	2.3110408
Ba 2 Sr 6 Mn 2 V 6	-3.072	136.3909893	2.3110408
Ba 1 Sr 7 V 7 Ni 1	-3.07	119.0687417	2.312073
La 4 Sr 4 Mn 6 Fe 2	-3.07	106.0731833	2.312073
Pr 8 Fe 6 Co 2	-3.07	69.37835813	2.312073
Y 8 Sc 6 Cr 2	-3.069	29.23348206	2.3125891
Y 8 Mn 1 Ga 7	-3.069	74.88238849	2.3125891
Na 8 Cr 8	-3.068	609.4890255	2.3131052
Ca 2 Pr 6 Cr 8	-3.066	99.83908937	2.3141374
Ba 2 Sr 6 V 6 Sn 2	-3.066	104.5010273	2.3141374
Sr 8 Mn 4 V 4	-3.065	126.7797961	2.3146535
Pr 8 Cr 4 Ga 4	-3.065	52.62728168	2.3146535
Rb 4 Ba 4 Nb 4 V 4	-3.063	106.0954646	2.3156857
Ba 8 Nb 4 Ru 4	-3.061	73.2041096	2.3167179
La 4 Ba 4 Mn 7 Fe 1	-3.058	142.7440083	2.3182662
Y 6 Nb 2 Zn 2 Co 6	-3.057	208.230071	2.3187823
La 6 Zr 2 Zn 2 Co 6	-3.054	235.704149	2.3203306
La 8 Mn 4 Ni 4	-3.053	194.2341916	2.3208467
Sr 2 Y 6 Cr 8	-3.052	96.74457581	2.3213628
La 4 Sr 4 Mn 6 Ni 2	-3.052	226.6682098	2.3213628
Pr 8 Cr 7 Ni 1	-3.051	91.4204684	2.3218789

La 4 Ca 4 Fe 2 Co 6	-3.046	322.4512052	2.3244594
Y 4 Ca 4 Mn 6 Co 2	-3.045	328.6203491	2.3249755
Sr 2 Pr 6 Fe 8	-3.045	67.16625376	2.3249755
La 8 Fe 1 Ni 7	-3.044	443.4506403	2.3254916
Pr 8 Mn 2 Ga 6	-3.044	81.49277516	2.3254916
La 8 Sc 6 Co 2	-3.037	32.39353055	2.3291043
Pr 8 Ga 6 Fe 2	-3.037	55.70388986	2.3291043
Sr 2 Y 6 Fe 8	-3.035	101.9102038	2.3301365
Cs 2 Sr 6 Ta 2 V 6	-3.034	144.4993558	2.3306526
Y 6 Ta 2 Zn 2 Co 6	-3.033	202.9404095	2.3311687
Sr 4 Mg 4 Nb 2 P 6	-3.032	346.3743663	2.3316848
Y 4 Ca 4 Mn 7 Co 1	-3.031	310.794169	2.3322009
La 8 Mn 2 Ni 6	-3.029	352.5820374	2.3332331
Pr 8 Mg 1 Cr 7	-3.027	0	2.3342653
Pr 8 Fe 7 Ni 1	-3.027	69.07264311	2.3342653
Sr 4 Ca 4 Nb 4 P 4	-3.024	348.4681006	2.3358136
Ba 1 Sr 7 V 7 Fe 1	-3.024	133.9885011	2.3358136
Y 8 Cr 1 Co 7	-3.024	223.5685105	2.3358136
Ba 8 Zr 6 Nb 1 Fe 1	-3.018	0	2.3389102
Rb 1 Sr 7 Mn 1 V 7	-3.017	119.4470166	2.3394263
Sr 2 La 6 Co 8	-3.016	235.8061196	2.3399424
Ca 2 La 6 Co 8	-3.015	262.1204556	2.3404585
Gd 4 Y 4 Co 8	-3.011	0	2.3425229
Y 8 Mn 4 Co 4	-3.01	92.26889056	2.343039
Sr 8 V 6 Fe 2	-3.009	75.85701357	2.3435551
Y 8 Ga 7 Fe 1	-3.009	67.63122919	2.3435551
Sr 2 Pr 6 Cr 8	-3.008	88.63025718	2.3440712
Ba 6 Sr 2 Nb 2 Sb 6	-3.008	71.94742477	2.3440712
La 4 Ca 4 Mn 6 Ni 2	-3.007	290.2636246	2.3445873
Ba 4 Mg 4 V 8	-3.003	263.0563206	2.3466517
La 8 Co 2 Ni 6	-3.003	410.4415429	2.3466517
La 8 Mn 1 Ni 7	-3.002	428.5299603	2.3471678
Sr 4 Ca 4 Mn 4 Nb 4	-3.001	61.87311546	2.3476839
Pr 4 Ca 4 Mn 7 Fe 1	-3.001	183.1089579	2.3476839
Pr 8 Sc 6 Cr 2	-3	29.44643325	2.3482
Y 8 Cr 6 Ni 2	-3	130.5852424	2.3482
Ba 2 Pr 6 Fe 8	-3	83.54963627	2.3482
Mg 8 V 8	-2.996	164.5061267	2.3502644
Rb 4 Sr 4 V 8	-2.995	228.0607392	2.3507805

Ba 2 Mg 6 P 8	-2.993	300.2751198	2.3518127
La 5 Sr 3 Fe 6 Cu 2	-2.993	148.5095848	2.3518127
Sr 8 V 6 Co 2	-2.989	118.3444934	2.3538771
Cs 2 Sr 6 Nb 2 V 6	-2.987	117.160674	2.3549093
Y 8 Mn 1 Co 7	-2.986	229.090181	2.3554254
Y 8 Mn 2 Co 6	-2.985	177.4477509	2.3559415
La 6 Zn 2 Co 8	-2.985	325.8167164	2.3559415
Y 8 Sc 4 Mn 4	-2.984	64.48152209	2.3564576
Cs 1 Sr 7 V 7 Fe 1	-2.983	122.7415388	2.3569737
Ba 4 Sr 4 Nb 4 Cr 4	-2.981	21.47879363	2.3580059
Ba 4 Sr 4 Ti 4 V 4	-2.978	82.56491282	2.3595542
Sr 8 V 4 Cr 4	-2.978	95.41068212	2.3595542
Ba 2 Y 6 Cr 8	-2.978	128.9731151	2.3595542
Ca 4 Y 4 Cr 8	-2.977	144.2080241	2.3600703
Rb 1 Sr 7 V 7 Cr 1	-2.976	95.91526387	2.3605864
Pr 4 Ca 4 Mn 6 Fe 2	-2.976	173.9241803	2.3605864
Cs 1 Sr 7 Mn 1 V 7	-2.975	139.3679763	2.3611025
La 4 Sr 4 Mn 7 Ni 1	-2.975	167.1537869	2.3611025
La 4 Sr 4 Mn 6 Co 2	-2.975	150.5364743	2.3611025
Y 6 Ti 2 Zn 2 Fe 6	-2.974	74.78243168	2.3616186
Pr 8 Mn 1 Ga 7	-2.972	76.09045851	2.3626508
Ca 4 Pr 4 Cr 8	-2.97	146.9417572	2.363683
Sr 8 V 6 Zn 2	-2.969	128.8097845	2.3641991
Y 6 Zn 2 Fe 8	-2.969	141.9028138	2.3641991
Ca 4 Pr 4 Mn 8	-2.965	123.2542355	2.3662635
Ba 2 Sr 6 V 6 Cr 2	-2.963	100.7338128	2.3672957
Ba 2 Pr 6 Cr 8	-2.961	103.3243165	2.3683279
Sr 6 Ca 2 V 6 Ni 2	-2.96	184.152709	2.368844
Pr 6 Ta 2 Zn 2 Co 6	-2.955	209.5853792	2.3714245
Ba 2 La 6 Co 8	-2.955	246.1293326	2.3714245
Pr 4 Ca 4 Mn 7 Co 1	-2.954	210.4471657	2.3719406
Y 8 Sc 7 Cr 1	-2.953	29.37230316	2.3724567
La 6 Ho 2 Ni 8	-2.953	534.4490373	2.3724567
Y 8 Cr 2 Ga 6	-2.953	65.79040925	2.3724567
Pr 8 Ga 7 Fe 1	-2.953	62.65164086	2.3724567
Y 4 Ca 4 Mn 6 Ni 2	-2.951	396.9490846	2.3734889
Pr 8 Mn 4 Co 4	-2.951	84.85788406	2.3734889
Ba 6 Be 2 Nb 4 P 4	-2.947	384.3798655	2.3755533
La 6 Dy 2 Ni 8	-2.945	530.2075447	2.3765855

Gd 2 Y 6 Co 8	-2.944	0	2.3771016
La 8 Co 1 Ni 7	-2.944	457.413838	2.3771016
La 6 Gd 2 Ni 8	-2.943	0	2.3776177
Cs 1 Sr 7 V 7 Cr 1	-2.94	121.3898888	2.379166
Ba 4 La 4 Fe 8	-2.939	94.29773215	2.3796821
La 8 Sc 4 Ni 4	-2.938	230.1763051	2.3801982
Sr 8 Mn 4 Nb 4	-2.937	37.38934321	2.3807143
La 8 Mg 2 Co 6	-2.935	0	2.3817465
La 5 Sr 3 Co 6 Fe 2	-2.935	180.9337096	2.3817465
La 1 Y 4 Zn 3 Fe 8	-2.929	220.8289619	2.3848431
La 6 Ti 2 Zn 2 Ni 6	-2.929	481.9158545	2.3848431
Sr 8 V 4 Rh 4	-2.928	239.5544151	2.3853592
La 4 Sr 4 Fe 2 Co 6	-2.927	273.4605499	2.3858753
Y 4 Sr 4 Mn 7 Fe 1	-2.925	233.0931929	2.3869075
Rb 4 Sr 4 Ta 4 V 4	-2.924	112.7024269	2.3874236
Pr 6 Ti 2 Zn 2 Fe 6	-2.921	85.33504854	2.3889719
Pr 4 Ca 4 Mn 7 Ni 1	-2.919	240.5449085	2.3900041
La 5 Zn 3 Co 8	-2.915	402.958854	2.3920685
Ba 6 Sr 2 Sb 8	-2.915	74.22055387	2.3920685
Ba 2 Be 6 V 8	-2.914	415.0706142	2.3925846
La 6 Sm 2 Ni 8	-2.91	513.0315002	2.394649
Y 6 Zr 2 Zn 2 Fe 6	-2.908	82.13639456	2.3956812
Ba 6 Ca 2 Nb 4 P 4	-2.907	314.5460289	2.3961973
La 4 Ca 4 Mn 2 Co 6	-2.906	308.1368598	2.3967134
Ba 4 Sr 4 Nb 4 Sn 4	-2.906	128.1003843	2.3967134
Ba 4 Sr 4 Sb 8	-2.906	75.823738	2.3967134
Ba 4 Sr 4 Nb 4 Fe 4	-2.905	27.446113	2.3972295
Cs 2 Sr 6 V 6 Fe 2	-2.903	300.5299636	2.3982617
Y 8 Sc 4 Co 4	-2.903	143.7477427	2.3982617
Pr 6 Zr 2 Zn 2 Fe 6	-2.903	117.2752561	2.3982617
La 6 Hf 2 Zn 2 Ni 6	-2.903	493.8778018	2.3982617
Y 4 Sr 4 Mn 6 Fe 2	-2.902	228.3660617	2.3987778
Pr 4 Gd 4 Co 8	-2.9	0	2.39981
Y 8 Mg 2 Fe 6	-2.898	0	2.4008422
Pr 8 Cr 6 Ni 2	-2.898	139.7410153	2.4008422
La 6 Zr 2 Zn 2 Ni 6	-2.897	479.6723555	2.4013583
Cs 4 Sr 4 Ta 4 V 4	-2.894	208.8941135	2.4029066
Pr 6 Zn 2 Fe 8	-2.89	137.2416144	2.404971
La 6 Nd 2 Ni 8	-2.886	504.1378615	2.4070354

Y 8 Co 8	-2.881	220.5858612	2.4096159
La 1 Pr 4 Zn 3 Fe 8	-2.88	218.9458087	2.410132
La 8 Ni 8	-2.88	501.7691332	2.410132
Pr 8 Cr 2 Ga 6	-2.879	61.34533677	2.4106481
Ba 4 La 4 Fe 6 Co 2	-2.877	215.2623344	2.4116803
La 4 Ca 4 Mn 4 Co 4	-2.876	248.4987494	2.4121964
Y 8 Mg 2 Cr 6	-2.873	0	2.4137447
Pr 6 Hf 2 Zn 2 Fe 6	-2.873	105.8121048	2.4137447
Ba 6 Mg 2 Nb 4 P 4	-2.872	329.6052285	2.4142608
Y 8 Fe 2 Co 6	-2.872	254.9483656	2.4142608
Ba 6 Sr 2 Nb 4 P 4	-2.868	290.9176551	2.4163252
Pr 4 Ca 4 Mn 6 Ni 2	-2.868	299.1440814	2.4163252
Ba 4 Sr 4 V 4 Sn 4	-2.868	118.8618338	2.4163252
Sr 8 Mg 2 V 6	-2.867	100.0513633	2.4168413
Na 8 Mo 8	-2.867	0	2.4168413
Y 6 Ho 2 Co 8	-2.866	228.1292817	2.4173574
La 8 Sc 7 Co 1	-2.865	3.628253775	2.4178735
Pr 6 Nb 2 Zn 2 Co 6	-2.863	238.1621945	2.4189057
La 4 Sr 4 Fe 1 Co 7	-2.863	285.1152979	2.4189057
Dy 2 Y 6 Co 8	-2.863	221.0292793	2.4189057
Y 4 Ho 4 Co 8	-2.863	231.0292021	2.4189057
La 4 Ho 4 Ni 8	-2.862	562.4776913	2.4194218
Rb 2 Sr 6 V 8	-2.857	114.8543142	2.4220023
Ba 8 Nb 4 P 4	-2.857	288.9674808	2.4220023
Sr 8 V 6 Ni 2	-2.857	169.3989947	2.4220023
Dy 4 Y 4 Co 8	-2.854	228.1488081	2.4235506
Pr 4 Ca 4 Mn 6 Co 2	-2.85	226.1553459	2.425615
Sr 8 V 6 Cu 2	-2.849	195.3246557	2.4261311
Ba 2 Y 6 Fe 8	-2.848	141.5888727	2.4266472
Rb 4 Sr 4 Nb 4 V 4	-2.846	102.8373395	2.4276794
K 8 Mo 8	-2.846	0	2.4276794
Ba 2 Sr 6 Nb 4 P 4	-2.843	321.2044161	2.4292277
Y 8 Fe 4 Co 4	-2.841	122.50662	2.4302599
Pr 8 Mg 2 Fe 6	-2.839	0	2.4312921
Sm 2 Y 6 Co 8	-2.836	225.0956232	2.4328404
Ba 4 Sr 4 Nb 2 Sb 6	-2.836	62.74410891	2.4328404
Sr 4 Y 4 Cr 8	-2.834	164.3180961	2.4338726
Pr 6 Gd 2 Co 8	-2.832	0	2.4349048
La 4 Dy 4 Ni 8	-2.831	554.7439562	2.4354209

Sr 4 Ca 4 V 4 Fe 4	-2.829	310.4064609	2.4364531
La 4 Ba 4 Mn 7 Co 1	-2.829	163.417368	2.4364531
Sr 4 Y 4 Mn 8	-2.828	132.286324	2.4369692
Ca 4 Y 4 Fe 8	-2.825	155.3881626	2.4385175
Pr 8 Fe 4 Co 4	-2.825	112.3822737	2.4385175
Sr 4 Mg 4 Nb 4 P 4	-2.824	366.1677633	2.4390336
Pr 8 Sc 4 Co 4	-2.82	128.8090626	2.441098
La 4 Ba 4 Mn 6 Fe 2	-2.819	137.7098376	2.4416141
Ba 4 Dy 4 Fe 8	-2.817	319.9748728	2.4426463
Ba 4 Ho 4 Fe 8	-2.815	338.0626079	2.4436785
Y 4 Sr 4 Mn 7 Ni 1	-2.813	284.7264969	2.4447107
Pr 8 Sc 7 Cr 1	-2.812	27.22022687	2.4452268
Pr 8 Mg 2 Cr 6	-2.812	0	2.4452268
Li 8 Cr 8	-2.811	645.0000595	2.4457429
Sm 4 Y 4 Co 8	-2.809	221.2893851	2.4467751
Ba 4 Sr 4 Nb 4 P 4	-2.806	308.7979106	2.4483234
Pr 8 Fe 6 Ni 2	-2.806	125.7870936	2.4483234
Sr 4 Pr 4 Cr 8	-2.805	131.0223429	2.4488395
Pr 8 Cr 2 Co 6	-2.803	170.0027464	2.4498717
Ba 2 Sr 6 Nb 2 Sb 6	-2.799	58.36404304	2.4519361
La 4 Sr 4 Mn 1 Co 7	-2.796	276.0584965	2.4534844
Ba 2 Mg 6 Nb 4 P 4	-2.792	351.4478344	2.4555488
Pr 8 Ti 4 Ni 4	-2.792	158.35814	2.4555488
Ba 4 Mg 4 Nb 4 P 4	-2.791	340.7052563	2.4560649
Ba 8 Ir 8	-2.789	437.8158829	2.4570971
La 7 Zn 1 Ni 8	-2.789	581.1152708	2.4570971
Rb 2 Sr 6 V 6 Cr 2	-2.787	151.8901385	2.4581293
Nd 4 Y 4 Co 8	-2.786	217.2143578	2.4586454
Ca 4 Pr 4 Fe 8	-2.784	139.7482055	2.4596776
La 4 Sr 4 Mn 2 Co 6	-2.784	237.739695	2.4596776
Ba 2 Sr 6 Sb 8	-2.784	69.13317213	2.4596776
Cs 2 Sr 6 V 8	-2.781	171.6415641	2.4612259
La 2 Sr 6 Cr 2 Fe 6	-2.779	193.2281658	2.4622581
Y 8 Fe 4 Ni 4	-2.778	217.267091	2.4627742
Y 4 Ca 4 Mn 2 Co 6	-2.777	421.7740698	2.4632903
Ba 4 Sr 4 Mn 4 Nb 4	-2.776	58.00998012	2.4638064
Y 4 Sr 4 Mn 7 Co 1	-2.774	152.2680042	2.4648386
La 8 Mg 1 Ni 7	-2.773	0	2.4653547
Ba 2 Sr 6 V 6 Ni 2	-2.772	190.952594	2.4658708

Pr 4 Ca 4 Fe 2 Co 6	-2.772	331.5817613	2.4658708
Ba 3 Sn 4 La 1 Fe 8	-2.771	302.380059	2.4663869
Y 4 Sr 4 Mn 6 Co 2	-2.77	271.9939343	2.466903
La 4 Ca 4 Fe 1 Co 7	-2.768	334.8129699	2.4679352
La 4 Ba 4 Fe 2 Co 6	-2.767	292.2161065	2.4684513
Pr 8 Mn 2 Co 6	-2.767	159.9269944	2.4684513
La 8 Sc 6 Ni 2	-2.766	108.4245161	2.4689674
La 4 Ca 4 Co 6 Ni 2	-2.766	458.3641411	2.4689674
Ba 4 Sr 4 Mn 4 V 4	-2.764	195.6867447	2.4699996
Ba 8 Ru 8	-2.764	160.0840219	2.4699996
La 4 Sr 4 Mn 4 Co 4	-2.764	184.8313346	2.4699996
Y 4 Ca 4 Mn 4 Co 4	-2.763	358.8377094	2.4705157
La 4 Ca 4 Mn 1 Co 7	-2.761	295.5917899	2.4715479
Pr 8 Fe 4 Ni 4	-2.76	241.8982447	2.472064
Ca 4 La 4 Co 8	-2.755	327.5359701	2.4746445
Ba 3 Bi 4 La 1 Fe 8	-2.753	248.2055287	2.4756767
Ba 4 Sm 4 Fe 8	-2.752	248.3941667	2.4761928
Ba 6 Sr 2 Nb 4 Sb 4	-2.747	71.37745174	2.4787733
Pr 8 Fe 2 Co 6	-2.746	157.8621892	2.4792894
Ca 8 Cr 8	-2.745	110.922593	2.4798055
Y 6 Ti 2 Zn 2 Co 6	-2.743	225.4749037	2.4808377
La 4 Sr 4 Co 7 Ni 1	-2.743	340.1641336	2.4808377
Pr 8 Cr 1 Co 7	-2.741	178.6903006	2.4818699
Pr 4 Dy 4 Co 8	-2.74	222.649221	2.482386
La 4 Sm 4 Ni 8	-2.739	523.3413671	2.4829021
Sr 8 Nb 4 Co 4	-2.737	82.76431385	2.4839343
Ba 8 Nb 4 Cr 4	-2.736	9.90054825	2.4844504
Ba 2 Sr 6 V 6 Fe 2	-2.73	206.8103629	2.487547
Ba 8 Fe 4 Tc 4	-2.729	0	2.4880631
Pr 4 Sm 4 Co 8	-2.727	206.8868819	2.4890953
Pr 8 Co 8	-2.727	194.2296047	2.4890953
Pr 4 Nd 4 Co 8	-2.724	197.1131046	2.4906436
Ba 8 Fe 6 Re 2	-2.72	33.7269144	2.492708
Ba 8 Fe 4 Os 4	-2.719	78.83434637	2.4932241
La 4 Ba 4 Mn 6 Co 2	-2.719	197.1238069	2.4932241
Sr 4 Pr 4 Mn 8	-2.715	94.57732075	2.4952885
Y 6 Hf 2 Zn 2 Co 6	-2.715	245.5328563	2.4952885
Cs 2 Sr 6 V 6 Cr 2	-2.713	197.6001636	2.4963207
Sr 8 Cr 8	-2.712	93.76099298	2.4968368

La 4 Nd 4 Ni 8	-2.711	506.3928398	2.4973529
Y 8 Fe 1 Co 7	-2.709	312.7263634	2.4983851
Pr 6 Hf 2 Zn 2 Co 6	-2.708	234.7808514	2.4989012
Y 8 Cr 1 Ga 7	-2.708	67.65727163	2.4989012
Ba 4 La 4 Mn 8	-2.705	134.7419291	2.5004495
Sr 4 La 4 Co 8	-2.705	278.7412981	2.5004495
Ca 8 Sb 8	-2.7	103.1021788	2.50303
Pr 6 Sm 2 Co 8	-2.699	219.6113683	2.5035461
Nd 2 Y 6 Co 8	-2.699	225.9614845	2.5035461
Y 8 Ga 4 Co 4	-2.698	153.3198726	2.5040622
Y 8 Co 7 Ni 1	-2.696	251.0396967	2.5050944
Sr 6 Ta 2 Mn 6 Zn 2	-2.692	216.9104459	2.5071588
Pr 8 Mn 1 Co 7	-2.692	177.4484245	2.5071588
Pr 4 Sr 4 Mn 7 Co 1	-2.691	144.6222509	2.5076749
Ba 4 Y 4 Cr 8	-2.688	215.2839246	2.5092232
La 4 Ca 4 Co 7 Ni 1	-2.687	363.2435556	2.5097393
Pr 4 Sr 4 Mn 7 Fe 1	-2.686	121.9651896	2.5102554
Ba 8 Mn 4 Nb 4	-2.684	50.91919948	2.5112876
Pr 8 Fe 1 Co 7	-2.683	188.9868969	2.5118037
Sr 8 Sb 8	-2.683	55.17285627	2.5118037
Sr 4 Y 4 Fe 8	-2.682	159.7187789	2.5123198
Sr 8 V 4 Pd 4	-2.681	359.1852681	2.5128359
La 4 Ba 4 Mn 7 Ni 1	-2.679	201.1916107	2.5138681
Pr 6 Dy 2 Co 8	-2.678	219.8511628	2.5143842
Ba 4 Ca 4 Nb 4 Fe 4	-2.676	94.93194358	2.5154164
Ba 4 Nd 4 Fe 8	-2.674	213.0727689	2.5164486
Ba 2 Ca 6 Sb 8	-2.674	135.9689765	2.5164486
Pr 6 Nd 2 Co 8	-2.672	196.8344796	2.5174808
Rb 2 Sr 6 Mn 2 V 6	-2.669	190.6660127	2.5190291
Y 8 Cr 4 Ni 4	-2.669	224.0259294	2.5190291
Rb 2 Sr 6 V 6 Fe 2	-2.666	256.3194385	2.5205774
Pr 4 Sr 4 Mn 6 Fe 2	-2.666	117.0640585	2.5205774
La 4 Sr 4 Co 6 Ni 2	-2.664	385.5254691	2.5216096
Sr 4 Pr 4 Fe 8	-2.663	124.7873149	2.5221257
La 4 Ba 4 Fe 1 Co 7	-2.663	302.788684	2.5221257
Ba 4 Pr 4 Cr 8	-2.662	163.4042116	2.5226418
Bi 4 Sr 4 Fe 8	-2.661	181.483275	2.5231579
La 4 Ba 4 Mn 1 Co 7	-2.656	286.5050016	2.5257384
Y 4 Sr 4 Mn 6 Ni 2	-2.65	343.7119198	2.528835

Ba 4 Gd 4 Fe 8	-2.65	192.1513185	2.528835
Y 8 Ti 4 Ni 4	-2.646	127.7585767	2.5308994
La 8 Mg 2 Ni 6	-2.645	0	2.5314155
Mg 8 P 8	-2.641	268.5549123	2.5334799
La 4 Ba 4 Mn 2 Co 6	-2.641	265.3228127	2.5334799
Pr 4 Ho 4 Co 8	-2.638	229.1922061	2.5350282
Ca 8 Fe 8	-2.637	344.4907315	2.5355443
La 8 Sc 7 Ni 1	-2.634	40.60574653	2.5370926
Sr 6 Mn 6 Nb 2 Zn 2	-2.634	220.3471288	2.5370926
La 4 Ca 4 Co 4 Ni 4	-2.634	533.1242314	2.5370926
La 4 Ca 4 Ni 4 Co 4	-2.634	535.8057314	2.5370926
Ba 6 Ca 2 Sb 8	-2.632	126.812322	2.5381248
Pr 4 Ca 4 Mn 2 Co 6	-2.629	307.8318165	2.5396731
Sr 4 Ca 4 Nb 4 Fe 4	-2.628	31.662286	2.5401892
Pr 8 Cr 1 Ga 7	-2.628	65.86073931	2.5401892
Y 8 Mg 4 Fe 4	-2.623	0	2.5427697
Rb 8 Mo 8	-2.622	131.82347	2.5432858
Y 8 Co 6 Ni 2	-2.617	287.9957822	2.5458663
Ba 4 Sr 4 V 4 Cr 4	-2.615	147.2891308	2.5468985
Y 4 Ca 4 Co 6 Ni 2	-2.615	559.1693511	2.5468985
Pr 6 Ho 2 Co 8	-2.615	219.2686554	2.5468985
Y 8 Mn 4 Ni 4	-2.611	166.5213616	2.5489629
Y 6 Zr 2 Zn 2 Co 6	-2.609	244.0538665	2.5499951
Pr 8 Ga 4 Co 4	-2.608	152.5513791	2.5505112
Ba 6 Mg 2 Sb 8	-2.608	176.6743479	2.5505112
La 4 Ba 4 Co 7 Ni 1	-2.606	349.9725261	2.5515434
Ca 2 La 6 Ni 8	-2.603	591.1196476	2.5530917
La 4 Ba 4 Mn 4 Co 4	-2.601	215.5066848	2.5541239
Gd 4 Y 4 Ni 8	-2.598	0	2.5556722
Pr 4 Sr 4 Mn 7 Ni 1	-2.593	178.6112437	2.5582527
Pr 4 Ca 4 Mn 4 Co 4	-2.593	257.7779562	2.5582527
La 6 Zn 2 Ni 8	-2.589	655.1094084	2.5603171
La 4 Ba 4 Mn 6 Ni 2	-2.582	257.5690424	2.5639298
Ba 6 Ce 2 Fe 8	-2.578	204.0275408	2.5659942
Ba 4 La 4 Co 8	-2.578	315.9949406	2.5659942
Pr 8 Mg 4 Fe 4	-2.577	0	2.5665103
Sr 8 V 4 Fe 4	-2.576	77.9158985	2.5670264
Y 4 Ba 4 Mn 6 Fe 2	-2.576	276.3298238	2.5670264
Ba 2 Sr 6 Nb 4 Sb 4	-2.574	54.46566395	2.5680586

Pr 8 Co 7 Ni 1	-2.574	232.0999402	2.5680586
Y 4 Ba 4 Mn 7 Fe 1	-2.572	270.8413761	2.5690908
Pr 4 Sr 4 Mn 6 Co 2	-2.572	165.3456811	2.5690908
Cs 2 Sr 6 Mn 2 V 6	-2.571	187.0068489	2.5696069
Pr 8 Sc 6 Co 2	-2.571	79.30929155	2.5696069
Y 8 Fe 2 Ni 6	-2.564	382.5633221	2.5732196
Y 4 Sr 4 Mn 2 Co 6	-2.563	354.651155	2.5737357
Ba 4 La 1 Mn 8 Zn 3	-2.56	369.0954518	2.575284
Y 7 Zn 1 Co 8	-2.56	272.6248213	2.575284
Pr 8 Cr 4 Ni 4	-2.557	243.0441091	2.5768323
Ca 8 Fe 7 Ni 1	-2.555	413.2431014	2.5778645
Ba 2 Sr 6 P 8	-2.553	282.3804755	2.5788967
Ca 8 Fe 7 Co 1	-2.552	367.2076087	2.5794128
Ca 8 Mn 1 Fe 7	-2.541	347.3106785	2.5850899
Sr 2 La 6 Ni 8	-2.538	568.9110616	2.5866382
Ba 4 Gd 4 Mn 8	-2.534	164.7102036	2.5887026
Pr 7 Zn 1 Co 8	-2.534	259.7589406	2.5887026
Ca 2 Pr 6 Co 8	-2.53	261.7867658	2.590767
Y 4 Ca 4 Fe 2 Co 6	-2.529	286.4059257	2.5912831
Ba 4 Ca 4 Sb 8	-2.529	127.7580243	2.5912831
La 4 Ba 4 Co 6 Ni 2	-2.528	403.6448616	2.5917992
Ba 4 Y 4 Fe 8	-2.527	217.2823666	2.5923153
La 8 Mg 4 Co 4	-2.524	0	2.5938636
Ca 2 Y 6 Co 8	-2.524	274.4197706	2.5938636
Pr 6 Zr 2 Zn 2 Co 6	-2.523	245.3362527	2.5943797
Ba 4 Sr 4 Nb 4 Sb 4	-2.518	53.99947981	2.5969602
La 4 Sr 4 Ni 4 Co 4	-2.515	469.1633094	2.5985085
Y 8 Sc 6 Co 2	-2.514	88.89243349	2.5990246
Y 8 Cr 2 Ni 6	-2.514	351.3868663	2.5990246
La 5 Zn 3 Ni 8	-2.514	737.476796	2.5990246
La 4 Sr 4 Co 4 Ni 4	-2.511	473.3948094	2.6005729
Pr 8 Co 6 Ni 2	-2.511	254.4955257	2.6005729
Ba 4 Pr 4 Fe 8	-2.51	155.7867266	2.601089
Sr 8 V 4 Co 4	-2.506	189.6481381	2.6031534
Pr 6 Ti 2 Zn 2 Co 6	-2.506	238.8168087	2.6031534
Y 8 Ga 6 Co 2	-2.506	112.7702533	2.6031534
La 1 Y 4 Zn 3 Co 8	-2.503	389.764064	2.6047017
Ba 3 Sr 3 La 2 Mn 1 Fe 7	-2.496	0	2.6083144
Sr 4 Ca 4 Nb 2 Sb 6	-2.494	85.93951342	2.6093466

Pr 4 Gd 4 Ni 8	-2.49	0	2.611411
Gd 2 Y 6 Ni 8	-2.489	0	2.6119271
Pr 8 Fe 2 Ni 6	-2.487	366.3311457	2.6129593
Ba 2 Y 6 Co 8	-2.486	302.068387	2.6134754
Pr 8 Mg 1 Co 7	-2.482	0	2.6155398
Ba 2 Ca 6 Fe 8	-2.479	334.5116463	2.6170881
Y 4 Sr 4 Mn 4 Co 4	-2.476	225.3945446	2.6186364
Pr 4 Sr 4 Fe 1 Co 7	-2.476	298.9288828	2.6186364
Y 8 Fe 1 Ni 7	-2.476	435.5505626	2.6186364
Sr 4 Ca 4 Fe 8	-2.472	299.8738302	2.6207008
Y 8 Mg 1 Co 7	-2.472	0	2.6207008
Y 4 Ca 4 Co 4 Ni 4	-2.47	636.6606914	2.621733
Ba 8 Zr 4 Fe 4	-2.469	24.184234	2.6222491
La 8 Mg 4 Mn 4	-2.468	0	2.6227652
Pr 8 Mn 4 Ni 4	-2.463	188.0828551	2.6253457
Pr 4 Ca 4 Co 6 Ni 2	-2.462	468.3013478	2.6258618
La 1 Pr 4 Zn 3 Co 8	-2.458	393.7193107	2.6279262
Pr 8 Sc 7 Co 1	-2.456	52.64078103	2.6289584
Ba 4 Pr 4 Mn 6 Fe 2	-2.456	133.1921281	2.6289584
Ba 6 Be 2 Sb 8	-2.456	199.3690145	2.6289584
Y 4 Ba 4 Mn 7 Ni 1	-2.454	316.6478176	2.6299906
Y 4 Sr 4 Fe 2 Co 6	-2.453	304.5352641	2.6305067
Y 6 Ta 2 Zn 2 Ni 6	-2.453	396.281116	2.6305067
Y 8 Mn 2 Ni 6	-2.452	314.7207074	2.6310228
Y 6 Nb 2 Zn 2 Ni 6	-2.449	405.1335275	2.6325711
Pr 4 Sr 4 Mn 6 Ni 2	-2.448	237.8759166	2.6330872
Sr 2 Pr 6 Co 8	-2.448	235.6981408	2.6330872
Y 4 Ca 4 Fe 1 Co 7	-2.447	307.3998029	2.6336033
Y 8 Cr 1 Ni 7	-2.446	393.8899597	2.6341194
Ba 2 La 6 Ni 8	-2.446	575.4267746	2.6341194
Ba 6 Sr 2 P 8	-2.445	294.768369	2.6346355
Y 6 Zn 2 Co 8	-2.445	323.9130314	2.6346355
Pr 8 Ga 6 Co 2	-2.443	111.9443855	2.6356677
Y 4 Ca 4 Mn 1 Co 7	-2.439	314.3394999	2.6377321
Sr 8 Nb 4 Fe 4	-2.434	15.157992	2.6403126
Sr 4 La 1 Mn 8 Zn 3	-2.429	314.9037768	2.6428931
Y 4 Ba 4 Mn 7 Co 1	-2.429	214.9395749	2.6428931
Sr 2 Y 6 Co 8	-2.428	275.3401846	2.6434092
Pr 4 Ca 4 Mn 1 Co 7	-2.415	302.4322467	2.6501185

Pr 4 Ca 4 Fe 1 Co 7	-2.412	287.1724691	2.6516668
La 4 Ba 4 Co 4 Ni 4	-2.412	494.0554519	2.6516668
Y 8 Co 4 Ni 4	-2.411	292.9383725	2.6521829
Pr 4 Sr 4 Fe 2 Co 6	-2.41	278.2800108	2.652699
Pr 4 Sr 4 Mn 1 Co 7	-2.409	289.0712033	2.6532151
Ca 8 Fe 4 Co 4	-2.407	430.1962402	2.6542473
Pr 4 Sr 4 Mn 2 Co 6	-2.406	250.2894017	2.6547634
La 4 Ba 4 Ni 4 Co 4	-2.406	479.1169519	2.6547634
Sr 6 Ta 2 Zn 2 Fe 6	-2.405	255.1001766	2.6552795
Ba 6 Ca 2 Nb 2 Sb 6	-2.401	97.82161918	2.6573439
Ba 2 Pr 6 Co 8	-2.4	246.9259534	2.65786
Y 8 Mn 1 Ni 7	-2.399	418.1811303	2.6583761
Sr 4 La 1 Zn 3 Fe 8	-2.398	369.0385384	2.6588922
Ca 4 Y 4 Co 8	-2.398	346.1706801	2.6588922
Y 4 Ba 4 Mn 6 Co 2	-2.396	223.6562358	2.6599244
Pr 8 Cr 2 Nb 6	-2.395	381.7454529	2.6604405
Ba 4 Gd 4 Co 8	-2.395	330.9255448	2.6604405
Ba 8 Zr 6 Ta 1 Fe 1	-2.394	0	2.6609566
Pr 4 Ba 4 Mn 6 Fe 2	-2.394	154.5011281	2.6609566
Pr 4 Ba 4 Mn 7 Co 1	-2.392	176.6493781	2.6619888
Pr 4 Ba 4 Mn 7 Fe 1	-2.385	162.4753545	2.6656015
Pr 6 Zn 2 Co 8	-2.385	316.6040265	2.6656015
Sr 4 Ca 4 Fe 7 Ni 1	-2.382	368.8554502	2.6671498
Ba 5 Bi 2 La 1 Fe 8	-2.382	227.4078462	2.6671498
Ca 8 Fe 6 Ni 2	-2.382	486.8582213	2.6671498
Sr 4 Ca 4 Fe 7 Co 1	-2.38	323.1319574	2.668182
Ca 4 Pr 4 Co 8	-2.38	325.5141768	2.668182
La 4 Ca 4 Mn 4 Ni 4	-2.379	421.5219704	2.6686981
Y 6 Ti 2 Zn 2 Ni 6	-2.379	454.2561102	2.6686981
Y 8 Sc 7 Co 1	-2.376	58.90165387	2.6702464
Sr 4 Ca 4 Mn 1 Fe 7	-2.374	295.7007773	2.6712786
Ca 8 Fe 2 Co 6	-2.374	483.2269946	2.6712786
Pr 4 Sr 4 Mn 4 Co 4	-2.373	196.1325414	2.6717947
Y 8 Co 2 Ni 6	-2.373	377.3354629	2.6717947
Y 8 Sc 4 Ni 4	-2.371	306.4794637	2.6728269
La 4 Ca 4 Fe 2 Ni 6	-2.366	593.1099117	2.6754074
Ca 8 Fe 6 Co 2	-2.363	389.7542358	2.6769557
Y 8 Mg 4 Cr 4	-2.361	0	2.6779879
Sr 6 Ca 2 Fe 8	-2.36	273.6537546	2.678504

Pr 8 Sc 4 Ni 4	-2.358	297.1335336	2.6795362
Sr 6 Nb 2 Zn 2 Fe 6	-2.356	251.1368131	2.6805684
Ca 8 Co 8	-2.354	521.4647489	2.6816006
Pr 4 Sr 4 Co 7 Ni 1	-2.354	350.3865903	2.6816006
La 4 Ca 4 Ni 6 Co 2	-2.354	643.1270717	2.6816006
Ca 8 Mn 2 Fe 6	-2.353	334.8691255	2.6821167
Y 8 Co 1 Ni 7	-2.353	419.377008	2.6821167
Y 8 Ni 8	-2.352	460.6720532	2.6826328
Ba 4 Bi 4 Fe 8	-2.35	277.2975059	2.683665
Pr 4 Ba 4 Fe 2 Co 6	-2.35	306.100654	2.683665
Pr 8 Fe 1 Ni 7	-2.348	429.3478462	2.6846972
Ba 4 Er 4 Mn 8	-2.345	194.0508465	2.6862455
Ba 4 Ho 4 Mn 8	-2.345	186.984724	2.6862455
Y 4 Ca 4 Co 7 Ni 1	-2.345	368.3207656	2.6862455
Ba 4 Dy 4 Mn 8	-2.344	179.7887388	2.6867616
Ba 6 La 2 Mn 2 Zr 1 Fe 5	-2.343	0	2.6872777
Ba 6 La 2 Fe 8	-2.341	196.4869365	2.6883099
Pr 8 Co 4 Ni 4	-2.341	370.568866	2.6883099
Sr 8 Nb 1 Fe 7	-2.338	0	2.6898582
Y 6 Ho 2 Ni 8	-2.338	460.1002237	2.6898582
Ba 6 La 2 Fe 7 Co 1	-2.337	213.9916126	2.6903743
Y 4 Ca 4 Mn 4 Ni 4	-2.336	530.5504304	2.6908904
Ba 4 Y 4 Mn 8	-2.334	170.2999139	2.6919226
Ba 8 Fe 6 Os 2	-2.332	104.1484936	2.6929548
Y 4 Sr 4 Mn 1 Co 7	-2.332	297.6822065	2.6929548
Dy 2 Y 6 Ni 8	-2.332	458.9489713	2.6929548
Ba 4 Y 4 Co 8	-2.33	336.6883899	2.693987
Y 4 Ho 4 Ni 8	-2.33	459.3523941	2.693987
Sr 4 Ca 4 Mn 2 Fe 6	-2.329	290.7409743	2.6945031
Pr 8 Mg 4 Cr 4	-2.328	0	2.6950192
Y 6 Zr 2 Zn 2 Ni 6	-2.326	472.797573	2.6960514
Y 4 Sr 4 Fe 1 Co 7	-2.326	306.3783861	2.6960514
Ba 8 Fe 6 Mo 2	-2.325	58.92674799	2.6965675
Pr 4 Ca 4 Co 4 Ni 4	-2.324	540.3229382	2.6970836
Ba 8 Cr 8	-2.322	87.31232599	2.6981158
Sn 4 Pr 4 Ni 8	-2.321	524.7171703	2.6986319
Dy 4 Y 4 Ni 8	-2.321	457.0945001	2.6986319
Pr 6 Ta 2 Zn 2 Ni 6	-2.32	411.1498357	2.699148
Ba 6 Gd 2 Fe 8	-2.319	231.0392297	2.6996641

Pr 6 Nb 2 Zn 2 Ni 6	-2.319	409.452401	2.6996641
Ba 2 Bi 2 Pr 4 Co 8	-2.318	307.281221	2.7001802
Pr 4 Ca 4 Ni 4 Co 4	-2.316	542.5241882	2.7012124
Bi 4 Pr 4 Co 8	-2.314	266.3248541	2.7022446
Sm 2 Y 6 Ni 8	-2.314	455.4158152	2.7022446
Y 6 Hf 2 Zn 2 Ni 6	-2.31	467.0525628	2.704309
Ba 4 Pr 4 Mn 8	-2.309	113.3198309	2.7048251
Y 4 Ba 4 Mn 6 Ni 2	-2.308	375.8594713	2.7053412
Ba 8 Fe 6 Tc 2	-2.305	52.78484702	2.7068895
Pr 6 Gd 2 Ni 8	-2.304	0	2.7074056
Sr 4 Y 4 Co 8	-2.303	333.9982581	2.7079217
Pr 4 Ba 4 Mn 6 Co 2	-2.302	214.4696752	2.7084378
Pr 4 Ca 4 Co 7 Ni 1	-2.302	414.8587623	2.7084378
Nd 2 Y 6 Ni 8	-2.299	455.4534265	2.7099861
Ca 4 Mg 4 Nb 2 Sb 6	-2.296	141.0142851	2.7115344
Ba 6 La 2 Mn 2 Fe 6	-2.294	182.7172981	2.7125666
Y 8 Ga 7 Co 1	-2.29	90.44731865	2.714631
Y 8 Sc 6 Ni 2	-2.289	173.367169	2.7151471
Sr 6 Ca 2 Fe 7 Co 1	-2.289	299.9831318	2.7151471
Y 4 Ba 4 Fe 2 Co 6	-2.285	332.4391548	2.7172115
Pr 8 Cr 1 Ni 7	-2.284	430.4297498	2.7177276
Ba 6 Ho 2 Fe 8	-2.283	261.8126244	2.7182437
Ba 8 Hf 4 Fe 4	-2.282	153.8311674	2.7187598
Mg 8 Fe 8	-2.282	798.2854405	2.7187598
Ba 6 Dy 2 Fe 8	-2.282	254.0526318	2.7187598
Ba 2 Ca 6 Nb 2 Sb 6	-2.277	102.6987737	2.7213403
Pr 8 Mn 2 Ni 6	-2.276	342.1187009	2.7218564
Y 4 Sr 4 Co 7 Ni 1	-2.274	370.2203436	2.7228886
Pr 4 Ba 4 Mn 7 Ni 1	-2.272	222.3413708	2.7239208
Sm 4 Y 4 Ni 8	-2.272	448.5125771	2.7239208
Ba 6 La 2 Fe 6 Co 2	-2.27	179.1231584	2.724953
Y 8 Mg 2 Co 6	-2.269	0	2.7254691
Pr 8 Co 2 Ni 6	-2.268	405.6257064	2.7259852
Ba 4 Sm 4 Mn 8	-2.267	147.6676498	2.7265013
Pr 4 Ba 4 Mn 1 Co 7	-2.265	302.3406608	2.7275335
Ba 6 Nb 2 Zn 2 Fe 6	-2.263	296.7479245	2.7285657
Pr 4 Sr 4 Co 6 Ni 2	-2.262	406.4674258	2.7290818
Sr 6 Ca 2 Fe 7 Ni 1	-2.261	342.6576245	2.7295979
Pr 4 Ba 4 Fe 1 Co 7	-2.261	317.8756615	2.7295979

Sr 6 Ca 2 Mn 1 Fe 7	-2.26	269.2714516	2.730114
Sr 8 Mn 1 Fe 7	-2.258	238.5035601	2.7311462
Ca 8 Mn 2 Co 6	-2.256	471.8903886	2.7321784
Sr 4 Sm 4 Co 8	-2.254	310.099704	2.7332106
Sr 4 Pr 4 Co 8	-2.254	288.2681768	2.7332106
Pr 8 Mg 2 Co 6	-2.252	0	2.7342428
Ca 8 Mn 8	-2.249	334.7553077	2.7357911
La 4 Ca 4 Mn 2 Ni 6	-2.247	578.2460663	2.7368233
Pr 8 Sc 6 Ni 2	-2.246	164.8860271	2.7373394
Ba 6 Ca 2 Nb 4 Sb 4	-2.246	88.35353188	2.7373394
Ba 4 Ca 4 Nb 2 Sb 6	-2.246	114.5928214	2.7373394
Sr 8 Fe 8	-2.245	247.5714372	2.7378555
Sr 4 Ca 4 Fe 4 Co 4	-2.243	391.307089	2.7388877
Nd 4 Y 4 Ni 8	-2.243	446.1355498	2.7388877
Ba 4 Ca 4 Fe 8	-2.242	327.8528111	2.7394038
Pr 4 Ba 4 Mn 2 Co 6	-2.242	282.2161137	2.7394038
Y 8 Ga 4 Ni 4	-2.242	308.1100936	2.7394038
Ba 6 Ta 2 Zn 2 Fe 6	-2.241	295.820892	2.7399199
La 4 Ca 4 Fe 1 Ni 7	-2.241	660.8214192	2.7399199
Ba 4 Nd 4 Mn 8	-2.24	154.8019559	2.740436
Pr 8 Ga 7 Co 1	-2.238	91.40038867	2.7414682
Ca 8 Mn 4 Fe 4	-2.237	321.6445196	2.7419843
Pr 6 Ti 2 Zn 2 Ni 6	-2.237	476.0427652	2.7419843
La 4 Ca 4 Ni 7 Co 1	-2.231	682.0238669	2.7450809
Sr 7 Zn 1 Fe 8	-2.23	307.4639178	2.745597
Pr 8 Mn 1 Ni 7	-2.229	418.4583738	2.7461131
Ca 8 Mn 7 Fe 1	-2.224	326.9483606	2.7486936
Ba 6 Ti 2 Mn 6 Zn 2	-2.223	330.4780611	2.7492097
La 4 Sr 4 Mn 4 Ni 4	-2.223	356.8030556	2.7492097
La 4 Sr 4 Fe 2 Ni 6	-2.223	528.8015064	2.7492097
Sr 4 Ca 4 Fe 2 Co 6	-2.222	436.8310829	2.7497258
Ba 4 Pr 4 Mn 8	-2.22	146.4565809	2.750758
Ca 8 Fe 1 Co 7	-2.219	500.5668718	2.7512741
Ca 8 Mn 6 Fe 2	-2.218	325.8941636	2.7517902
Ba 6 Sm 2 Fe 8	-2.217	224.2396537	2.7523063
Y 4 Ba 4 Mn 4 Co 4	-2.217	254.1180577	2.7523063
Ca 4 Sr 4 Fe 2 Co 6	-2.217	423.4718329	2.7523063
La 4 Sr 4 Ni 6 Co 2	-2.216	572.0228997	2.7528224
Pr 4 Ho 4 Ni 8	-2.216	527.5306481	2.7528224

Y 4 Ca 4 Ni 4 Co 4	-2.215	500.6954414	2.7533385
Ba 2 Mg 6 Fe 8	-2.214	678.9621781	2.7538546
Ba 5 Cd 2 La 1 Fe 8	-2.214	324.3463172	2.7538546
Ca 4 Sr 4 Fe 1 Co 7	-2.214	438.8239549	2.7538546
Sr 6 Ca 2 Mn 2 Fe 6	-2.212	264.7443987	2.7548868
Ba 4 Pr 4 Mn 6 Co 2	-2.21	178.3276752	2.755919
Sr 6 Ti 2 Zn 2 Fe 6	-2.209	308.6781097	2.7564351
Y 4 Ba 4 Mn 1 Co 7	-2.206	424.5443612	2.7579834
Ba 3 Bi 1 Pr 4 Co 8	-2.205	307.8497615	2.7584995
Pr 4 Dy 4 Ni 8	-2.205	523.396163	2.7584995
Sr 4 Ca 4 Fe 6 Co 2	-2.203	346.2090846	2.7595317
Ba 3 Cd 4 La 1 Fe 8	-2.2	418.0459707	2.76108
Ba 2 Ca 6 Nb 4 Sb 4	-2.2	92.53607088	2.76108
Ba 8 Pt 8	-2.2	588.834002	2.76108
Pr 8 Ga 4 Ni 4	-2.2	316.3933501	2.76108
Ca 8 Mn 7 Co 1	-2.196	374.2804878	2.7631444
Pr 8 Co 1 Ni 7	-2.194	450.5852515	2.7641766
Bi 4 Sr 4 Fe 2 Co 6	-2.193	384.9811793	2.7646927
Ca 8 Co 6 Ni 2	-2.193	622.2386699	2.7646927
Y 8 Sc 7 Ni 1	-2.19	100.6333966	2.766241
Sr 4 Ca 4 Co 8	-2.19	459.4058269	2.766241
Pr 4 Sm 4 Ni 8	-2.19	507.5048239	2.766241
Y 4 Ca 4 Ni 6 Co 2	-2.189	743.5602817	2.7667571
Ba 6 Bi 1 La 1 Fe 8	-2.188	220.7011299	2.7672732
Y 4 Ca 4 Fe 2 Ni 6	-2.188	686.1998822	2.7672732
Ca 8 Mn 6 Co 2	-2.187	375.926918	2.7677893
Ba 7 Ce 1 Fe 8	-2.186	220.0050908	2.7683054
Pr 4 Ba 4 Co 7 Ni 1	-2.186	362.6095434	2.7683054
Y 7 Zn 1 Ni 8	-2.186	578.7045133	2.7683054
Pr 6 Dy 2 Ni 8	-2.184	511.5913548	2.7693376
Sr 8 Ta 2 Co 6	-2.183	213.6840515	2.7698537
Ba 6 La 2 Fe 4 Co 4	-2.182	262.2512907	2.7703698
Be 8 Sb 8	-2.181	236.2582555	2.7708859
Sr 8 Nb 1 Ta 1 Co 6	-2.178	214.495143	2.7724342
Ca 4 La 4 Ni 8	-2.177	685.6124121	2.7729503
Ba 6 Ti 2 Zn 2 Co 6	-2.176	448.448642	2.7734664
Sr 8 Fe 7 Co 1	-2.176	265.774801	2.7734664
La 4 Ca 4 Mn 1 Ni 7	-2.175	654.2302392	2.7739825
Ba 6 Ta 2 Mn 6 Zn 2	-2.174	278.9857945	2.7744986

Pr 6 Zr 2 Zn 2 Ni 6	-2.174	468.3502092	2.7744986
Ca 8 Mn 4 Co 4	-2.173	420.3897783	2.7750147
Ba 6 Ta 2 Zn 2 Co 6	-2.171	380.7602426	2.7760469
Ba 6 Nd 2 Fe 8	-2.171	210.0553299	2.7760469
Ca 4 Be 4 Nb 4 Sb 4	-2.171	152.9915615	2.7760469
Ba 8 Ta 2 Fe 6	-2.17	149.2286549	2.776563
Y 4 Ba 4 Fe 1 Co 7	-2.169	352.1525565	2.7770791
Sr 4 Ca 4 Fe 6 Ni 2	-2.168	443.2770701	2.7775952
Y 8 Mg 1 Ni 7	-2.168	0	2.7775952
Pr 6 Ho 2 Ni 8	-2.168	514.3043474	2.7775952
Ba 4 La 1 Zn 3 Fe 8	-2.167	400.1005193	2.7781113
Ba 4 La 1 Zn 3 Co 8	-2.167	524.5907561	2.7781113
Ba 4 Pr 4 Co 8	-2.163	310.1834579	2.7801757
Ba 6 Mg 2 Nb 2 Sb 6	-2.162	138.7904866	2.7806918
Sr 8 Fe 7 Ni 1	-2.158	311.5800437	2.7827562
Pr 6 Sm 2 Ni 8	-2.158	501.2193103	2.7827562
Pr 6 Hf 2 Zn 2 Ni 6	-2.157	461.3808079	2.7832723
Y 4 Ba 4 Mn 2 Co 6	-2.156	308.3911296	2.7837884
Pr 4 Ba 4 Mn 6 Ni 2	-2.155	277.4386607	2.7843045
Sr 6 Ca 2 Fe 4 Co 4	-2.155	354.911753	2.7843045
Y 4 Ba 4 Co 7 Ni 1	-2.155	487.6354754	2.7843045
Ba 6 Be 2 Nb 2 Sb 6	-2.155	160.6666772	2.7843045
Ba 6 Mn 6 Nb 2 Zn 2	-2.151	275.9198208	2.7863689
Ba 5 Sn 2 La 1 Fe 8	-2.151	345.585082	2.7863689
Pr 4 Nd 4 Ni 8	-2.151	497.5630466	2.7863689
Sr 4 Ca 4 Fe 1 Co 7	-2.15	440.8877049	2.786885
Sr 6 Zn 2 Fe 8	-2.149	361.8709065	2.7874011
Y 4 Sr 4 Co 6 Ni 2	-2.148	411.1886791	2.7879172
Ba 6 Sn 1 La 1 Fe 8	-2.145	264.0901228	2.7894655
Ba 6 Mn 8 Zn 2	-2.144	381.1816283	2.7899816
La 4 Ba 4 Ni 6 Co 2	-2.143	587.6315422	2.7904977
Pr 8 Sc 7 Ni 1	-2.141	93.84752378	2.7915299
Sr 4 Ca 4 Nb 4 Ni 4	-2.141	341.9325571	2.7915299
Ba 6 Pr 2 Fe 8	-2.141	203.268316	2.7915299
Ca 2 Y 6 Ni 8	-2.141	536.9677126	2.7915299
Pr 6 Nd 2 Ni 8	-2.141	495.8134216	2.7915299
Sr 8 Al 1 Fe 7	-2.138	193.8944303	2.7930782
Ba 6 Cd 1 La 1 Fe 8	-2.137	273.0593654	2.7935943
La 6 Ho 2 Ga 8	-2.137	26.82825386	2.7935943

Ca 8 Mn 7 Ni 1	-2.136	401.9799806	2.7941104
Sr 8 Nb 2 Co 6	-2.136	223.8874844	2.7941104
Ba 4 Ca 4 Nb 4 Sb 4	-2.136	90.57061863	2.7941104
La 8 Ga 8	-2.136	6.371386071	2.7941104
Rb 4 Sr 4 Nb 4 Cr 4	-2.135	185.93147	2.7946265
Rb 4 Ba 4 Nb 4 Cr 4	-2.133	178.0226894	2.7956587
Ca 4 Sr 4 Mn 1 Co 7	-2.131	433.8097754	2.7966909
Ba 6 Sn 2 Hf 1 Zr 6 Fe 1	-2.13	14.10266932	2.797207
Pr 8 Ni 8	-2.13	493.4297967	2.797207
Sr 6 Zr 2 Zn 2 Fe 6	-2.129	301.0013601	2.7977231
Y 4 Ca 4 Mn 2 Ni 6	-2.129	680.8682763	2.7977231
La 6 Gd 2 Ga 8	-2.127	86.02726086	2.7987553
La 4 Ba 4 Fe 2 Ni 6	-2.126	557.493813	2.7992714
La 6 Dy 2 Ga 8	-2.126	25.36959074	2.7992714
Ba 8 Fe 7 Re 1	-2.123	130.5747776	2.8008197
Sr 4 La 1 Zn 3 Co 8	-2.122	515.9685848	2.8013358
Sr 4 Ca 4 V 4 Ni 4	-2.12	408.7107165	2.802368
La 6 Sm 2 Ga 8	-2.12	17.33731032	2.802368
La 4 Ba 4 Mn 4 Ni 4	-2.117	376.3281558	2.8039163
Ba 4 Sr 4 V 4 Fe 4	-2.116	336.1904117	2.8044324
Ca 4 Mg 4 Nb 4 Sb 4	-2.115	147.6240749	2.8049485
Ba 4 Sr 4 Nb 1 Fe 7	-2.114	152.4243082	2.8054646
Sr 6 Ca 2 Fe 6 Co 2	-2.113	319.913259	2.8059807
Y 8 Mg 2 Ni 6	-2.112	0	2.8064968
La 4 Sr 4 Fe 1 Ni 7	-2.112	595.6642472	2.8064968
Ca 4 Sr 4 Co 7 Ni 1	-2.111	521.0686624	2.8070129
Pr 4 Sr 4 Co 4 Ni 4	-2.11	476.8797662	2.807529
Pr 4 Sr 4 Ni 4 Co 4	-2.11	481.0867662	2.807529
Ba 2 Sr 6 Fe 8	-2.109	254.9686131	2.8080451
La 4 Ba 4 Mn 2 Fe 6	-2.109	912.6415938	2.8080451
La 6 Nd 2 Ga 8	-2.109	12.63281495	2.8080451
Sr 8 Ta 1 Co 7	-2.107	279.0532282	2.8090773
Pr 4 Ba 4 Mn 4 Co 4	-2.103	224.0150194	2.8111417
Pr 4 Ca 4 Mn 4 Ni 4	-2.103	430.0461772	2.8111417
Ca 4 Be 4 Nb 2 Sb 6	-2.102	200.9152643	2.8116578
Ba 8 Fe 6 Ir 2	-2.101	196.1409513	2.8121739
Ca 8 Co 7 Ni 1	-2.101	568.1688344	2.8121739
Pr 4 Ba 4 Co 6 Ni 2	-2.101	414.7091289	2.8121739
Ba 7 Mn 8 Zn 1	-2.1	281.39648	2.81269

La 8 Mg 4 Ni 4	-2.1	10.40038147	2.81269
Mg 8 Sb 8	-2.099	192.3992822	2.8132061
Sr 8 Ti 8	-2.097	8.691789	2.8142383
Ba 8 Ta 4 Fe 4	-2.097	27.476419	2.8142383
Sr 6 Hf 2 Zn 2 Fe 6	-2.097	317.1017922	2.8142383
Sr 8 Ga 1 Fe 7	-2.097	197.3864087	2.8142383
Ba 8 Fe 4 Ir 4	-2.095	183.0337619	2.8152705
Sr 4 Ca 4 Nb 4 Sb 4	-2.094	76.70913433	2.8157866
Sr 8 In 1 Fe 7	-2.093	202.1581975	2.8163027
Ba 8 Zr 2 Fe 6	-2.091	189.7558611	2.8173349
Sr 4 Ca 4 Mn 1 Co 7	-2.087	420.2142754	2.8193993
Ca 8 Mn 6 Ni 2	-2.086	474.3791535	2.8199154
Ba 4 Mg 4 Fe 8	-2.086	572.8561656	2.8199154
Sr 8 Y 1 Fe 7	-2.085	201.3523665	2.8204315
Sr 4 Ca 4 Mn 2 Co 6	-2.085	414.8629738	2.8204315
La 4 Sr 4 Ni 7 Co 1	-2.085	616.9709449	2.8204315
Ba 7 La 1 Fe 8	-2.084	224.9271636	2.8209476
Ba 4 Pr 4 Mn 6 Ni 2	-2.084	254.6216607	2.8209476
Cs 4 Sr 4 V 4 Cr 4	-2.083	423.2795697	2.8214637
Sr 8 Sc 1 Fe 7	-2.083	181.0728821	2.8214637
Ba 4 Ca 4 Nb 4 Ni 4	-2.083	380.9438349	2.8214637
Sr 8 Nb 1 Co 7	-2.083	297.8390697	2.8214637
Bi 2 Ba 2 Sr 4 Fe 2 Co 6	-2.083	355.1963771	2.8214637
Ca 4 Sr 4 Mn 2 Co 6	-2.081	415.2572238	2.8224959
Ba 8 Hf 2 Fe 6	-2.079	207.6237791	2.8235281
Ba 7 La 1 Fe 4 Co 4	-2.079	284.0041488	2.8235281
Ca 4 Ba 4 Fe 1 Co 7	-2.077	460.8479694	2.8245603
Ba 7 Zn 1 Co 8	-2.076	415.1666713	2.8250764
Ba 4 Ca 4 Fe 2 Co 6	-2.075	459.0315029	2.8255925
Ba 8 Rh 8	-2.073	377.7964269	2.8266247
Ca 4 Ba 4 Fe 2 Co 6	-2.07	439.4940029	2.828173
Sr 6 Nb 2 Zn 2 Co 6	-2.066	359.7654971	2.8302374
Ca 4 Sr 4 Mn 7 Fe 1	-2.065	277.6430117	2.8307535
Ba 7 Gd 1 Fe 8	-2.065	240.9700602	2.8307535
Y 4 Ba 4 Co 6 Ni 2	-2.063	540.4078109	2.8317857
Sr 6 Ta 2 Zn 2 Co 6	-2.062	363.8603143	2.8323018
Ba 8 Fe 7 Tc 1	-2.061	140.7223689	2.8328179
Y 8 Ga 6 Ni 2	-2.061	190.4394888	2.8328179
La 4 Gd 4 Ga 8	-2.056	89.35165328	2.8353984

Sr 8 Al 2 Fe 6	-2.055	211.8689316	2.8359145
Ba 8 Nb 2 Fe 6	-2.055	148.1074374	2.8359145
Ca 8 Co 4 Ni 4	-2.052	722.4030103	2.8374628
La 4 Ba 4 Fe 1 Ni 7	-2.052	615.9256332	2.8374628
La 1 Y 4 Zn 3 Ni 8	-2.052	725.216256	2.8374628
Sr 6 Ca 2 Fe 6 Ni 2	-2.051	416.9937445	2.8379789
Sr 8 Fe 4 Co 4	-2.051	322.089417	2.8379789
Ba 4 Ca 4 Fe 1 Co 7	-2.049	452.6682194	2.8390111
Pr 8 Ga 6 Ni 2	-2.049	193.152121	2.8390111
Sr 4 Ca 4 Mn 7 Co 1	-2.048	316.517823	2.8395272
Sr 6 Ca 2 Co 8	-2.048	415.7347409	2.8395272
Y 4 Ca 4 Fe 1 Ni 7	-2.047	755.5832521	2.8400433
La 4 Ba 4 Ni 7 Co 1	-2.046	636.9070874	2.8405594
Ca 8 Ni 4 Co 4	-2.045	724.0382603	2.8410755
Be 8 P 8	-2.043	227.890892	2.8421077
Ba 2 Sr 6 Fe 7 Co 1	-2.043	284.7427914	2.8421077
Y 8 Ga 7 Ni 1	-2.042	128.8495614	2.8426238
Sr 4 Ca 4 Co 7 Ni 1	-2.038	507.6221624	2.8446882
Y 4 Sr 4 Mn 4 Ni 4	-2.037	477.4155156	2.8452043
La 4 Ba 4 Mn 2 Ni 6	-2.037	529.9645192	2.8452043
Sr 8 Fe 1 Co 7	-2.035	366.8430329	2.8462365
Sr 4 Ca 4 Co 6 Ni 2	-2.035	577.3824979	2.8462365
La 4 Sr 4 Mn 1 Ni 7	-2.034	600.1411958	2.8467526
Sr 2 Y 6 Ni 8	-2.034	536.3513766	2.8467526
Ba 8 Zr 3 Fe 5	-2.033	153.5117213	2.8472687
Ca 4 Sr 4 Co 6 Ni 2	-2.033	582.0889979	2.8472687
Y 4 Ca 4 Ni 7 Co 1	-2.029	782.3535769	2.8493331
Pr 4 Ca 4 Fe 2 Ni 6	-2.026	592.0182178	2.8508814
Sr 4 Mg 4 Nb 4 Sb 4	-2.02	109.0789361	2.853978
Ba 2 Sr 6 Fe 7 Ni 1	-2.019	318.7232842	2.8544941
Sr 8 Fe 2 Co 6	-2.015	306.3324109	2.8565585
Ba 7 Ho 1 Fe 8	-2.014	256.1937576	2.8570746
Sr 8 Sc 2 Fe 6	-2.013	184.8878352	2.8575907
Ba 6 Bi 2 Fe 8	-2.013	247.7440733	2.8575907
Pr 4 Ca 4 Ni 6 Co 2	-2.012	650.0937785	2.8581068
Ba 6 Zr 2 Zn 2 Fe 6	-2.009	424.4560982	2.8596551
Y 4 Sr 4 Co 4 Ni 4	-2.009	484.4770194	2.8596551
Ba 7 La 1 Fe 7 Co 1	-2.008	247.9249284	2.8601712
Ba 4 Pr 4 Mn 6 Cu 2	-2.008	271.0503217	2.8601712

Ba 7 Sm 1 Fe 8	-2.005	237.5190223	2.8617195
Ca 8 Fe 4 Ni 4	-2.004	633.5822112	2.8622356
Sr 4 Ca 4 Mn 8	-2.003	278.3276429	2.8627517
Ba 7 Dy 1 Fe 8	-2.003	252.2717613	2.8627517
Sr 8 Fe 6 Co 2	-2.003	283.577423	2.8627517
Sr 8 Co 8	-2.002	386.5076549	2.8632678
Ca 4 Sr 4 Mn 6 Co 2	-2.001	321.4642532	2.8637839
Ba 8 Fe 7 Os 1	-2.001	160.6995672	2.8637839
Ba 6 Zn 2 Co 8	-2.001	506.3222196	2.8637839
Ca 4 Sr 4 Mn 7 Co 1	-2	313.774323	2.8643
Sr 8 V 4 Ni 4	-2	348.3828591	2.8643
Ba 6 Ca 2 Fe 8	-2	291.422726	2.8643
Sr 4 Ca 4 Mn 6 Fe 2	-1.999	280.9596306	2.8648161
Ca 4 Ba 4 Mn 1 Co 7	-1.999	445.9924072	2.8648161
Y 4 Sr 4 Ni 4 Co 4	-1.999	485.2922694	2.8648161
Y 4 Ca 4 Mn 1 Ni 7	-1.999	754.8204492	2.8648161
Sr 8 Ga 2 Fe 6	-1.998	219.9801384	2.8653322
Sr 4 Ca 4 Mn 6 Co 2	-1.997	324.1540032	2.8658483
Ba 2 Sr 6 Mn 1 Fe 7	-1.997	254.1510506	2.8658483
Sr 8 Mn 2 Fe 6	-1.995	229.6719413	2.8668805
La 4 Ba 4 Mn 1 Ni 7	-1.994	604.0444509	2.8673966
Sr 4 Ca 4 Mn 7 Fe 1	-1.993	280.6595117	2.8679127
Ca 4 Sr 4 Mn 6 Fe 2	-1.991	278.1376306	2.8689449
Pr 8 Mg 1 Ni 7	-1.99	0	2.869461
Ba 4 Sr 4 Mn 7 Co 1	-1.985	268.7477101	2.8720415
Pr 7 Zn 1 Ni 8	-1.985	571.5666326	2.8720415
Ba 7 Nd 1 Fe 8	-1.984	230.7494853	2.8725576
Ca 2 Pr 6 Ni 8	-1.982	582.8379578	2.8735898
Ba 4 Sr 4 Fe 8	-1.981	263.377789	2.8741059
Sr 4 Ca 4 Mn 4 Fe 4	-1.98	278.1373683	2.874622
Pr 8 Ga 7 Ni 1	-1.98	131.3143814	2.874622
Ba 4 Be 4 Sb 8	-1.98	254.2526593	2.874622
Ba 6 Mg 2 Nb 4 Sb 4	-1.974	101.9765834	2.8777186
Ca 4 Ba 4 Co 7 Ni 1	-1.973	523.3975214	2.8782347
Ba 7 La 1 Fe 6 Co 2	-1.972	256.0614657	2.8787508
Sr 4 Ca 4 Mn 4 Co 4	-1.97	363.2118635	2.879783
Ca 4 Sr 4 Mn 4 Co 4	-1.97	361.5226135	2.879783
Ba 4 Ca 4 Mn 1 Co 7	-1.97	436.7011572	2.879783
Sr 4 Ba 4 Sc 1 Fe 7	-1.969	193.8227154	2.8802991

Ba 7 Pr 1 Fe 8	-1.969	227.5288534	2.8802991
Ca 8 Mn 4 Ni 4	-1.967	627.6902493	2.8813313
Ba 4 Sr 4 Fe 2 Co 5 Nb 1	-1.963	261.6518439	2.8833957
Bi 1 Ba 3 Sr 4 Fe 2 Co 6	-1.963	360.6171345	2.8833957
Sr 8 Mn 1 Co 7	-1.962	362.3346034	2.8839118
Sr 8 Nb 4 Ni 4	-1.961	317.9647849	2.8844279
Ba 4 Mg 4 Nb 4 Sb 4	-1.961	122.7012678	2.8844279
Ba 2 Sr 6 Fe 4 Co 4	-1.96	328.1024074	2.884944
Ba 4 Sr 4 Fe 7 Co 1	-1.958	289.4332819	2.8859762
Ba 8 Fe 2 Nb 1 Co 5	-1.958	288.5363584	2.8859762
Ba 8 Fe 7 Mo 1	-1.955	157.9973194	2.8875245
Ca 8 Ni 6 Co 2	-1.955	846.7546006	2.8875245
Pr 4 Ba 4 Ni 4 Co 4	-1.954	491.2207193	2.8880406
Ba 4 Ca 4 Co 7 Ni 1	-1.95	516.1507714	2.890105
Sr 4 La 4 Ni 8	-1.95	637.4396621	2.890105
Ca 4 Sr 4 Mn 7 Ni 1	-1.944	345.4173158	2.8932016
Y 4 Sr 4 Ni 6 Co 2	-1.943	692.6156097	2.8937177
Sr 4 Ca 4 Mn 7 Ni 1	-1.942	346.4053158	2.8942338
Ba 6 Sn 2 Fe 8	-1.94	371.8535592	2.895266
Ba 8 Nb 4 Fe 4	-1.939	20.142234	2.8957821
Ba 4 Ca 4 Mn 2 Co 6	-1.939	433.1243785	2.8957821
Sr 7 Zn 1 Co 8	-1.939	441.3655363	2.8957821
Ba 6 Nb 2 Zn 2 Co 6	-1.936	381.6042986	2.8973304
Sr 6 Ti 2 Mn 6 Zn 2	-1.935	264.0562236	2.8978465
Ba 2 Sr 6 Co 8	-1.935	382.9788344	2.8978465
Pr 4 Ca 4 Mn 2 Ni 6	-1.935	584.915523	2.8978465
Ba 7 Bi 1 Fe 8	-1.934	250.9448571	2.8983626
Ba 2 Y 6 Ni 8	-1.933	565.689079	2.8988787
Ca 4 Ba 4 Mn 2 Co 6	-1.931	425.8248785	2.8999109
Y 4 Sr 4 Fe 2 Ni 6	-1.93	642.6879706	2.900427
Ba 4 La 4 Ni 8	-1.93	664.2121326	2.900427
Sr 8 Al 4 V 4	-1.929	95.04900638	2.9009431
Ca 8 Fe 2 Ni 6	-1.929	780.2682011	2.9009431
Ba 6 Mg 2 Fe 8	-1.927	409.6339032	2.9019753
Ba 2 Sr 6 Fe 6 Co 2	-1.927	290.8859134	2.9019753
Ba 4 Mg 4 Sb 8	-1.926	192.493076	2.9024914
Ba 8 Fe 4 Ru 4	-1.923	87.89333137	2.9040397
Sr 8 Fe 6 Ni 2	-1.921	380.5064085	2.9050719
Ca 4 Y 4 Ni 8	-1.92	619.7508721	2.905588

Sr 8 Co 7 Ni 1	-1.916	439.2632404	2.9076524
Ba 4 Ca 4 Co 6 Ni 2	-1.915	578.3931069	2.9081685
Ca 4 Ba 4 Co 6 Ni 2	-1.914	566.1173569	2.9086846
Ca 8 Mn 1 Co 7	-1.913	445.4650688	2.9092007
Ba 8 Co 8	-1.913	343.7523729	2.9092007
Y 6 Zn 2 Ni 8	-1.913	642.0327234	2.9092007
Ba 4 Sn 4 Fe 8	-1.912	488.6953807	2.9097168
Sr 6 Ca 2 Mn 8	-1.911	245.8214355	2.9102329
Ba 2 Be 6 Nb 2 Sb 6	-1.911	175.9001805	2.9102329
Ba 4 Cd 4 Fe 8	-1.909	459.1721979	2.9112651
La 1 Pr 4 Zn 3 Ni 8	-1.908	29.72225273	2.9117812
Ba 4 Sr 4 Al 1 Fe 7	-1.906	297.5784426	2.9128134
Ba 2 Sn 2 Pr 4 Ni 8	-1.906	649.17345	2.9128134
Sr 2 Ba 6 Sc 1 Fe 7	-1.905	190.1769559	2.9133295
Sr 4 Ba 4 Y 1 Fe 7	-1.904	221.3729766	2.9138456
Y 4 Ba 4 Ni 4 Co 4	-1.904	530.3694013	2.9138456
Sr 8 Mn 2 Co 6	-1.902	352.8753018	2.9148778
Sr 8 In 2 Fe 6	-1.901	225.170716	2.9153939
Sr 4 Ba 4 Al 1 Fe 7	-1.9	216.8881685	2.91591
Sr 4 Ca 4 Mn 6 Ni 2	-1.9	418.2957387	2.91591
Ca 8 Ni 7 Co 1	-1.9	888.0273958	2.91591
Pr 4 Ca 4 Fe 1 Ni 7	-1.9	661.8566683	2.91591
Ca 4 Sr 4 Mn 6 Ni 2	-1.899	416.8194887	2.9164261
Sr 8 Al 1 Co 7	-1.898	330.6150969	2.9169422
Sr 8 Sc 1 Co 7	-1.895	313.4383495	2.9184905
Y 4 Ba 4 Co 4 Ni 4	-1.892	522.3044013	2.9200388
Sr 6 Ti 2 Zn 2 Co 6	-1.891	428.263592	2.9205549
Ba 4 Sr 4 Fe 7 Ni 1	-1.891	326.8227746	2.9205549
Ba 7 Zn 1 Fe 8	-1.889	327.8302594	2.9215871
La 4 Dy 4 Ga 8	-1.889	32.07826851	2.9215871
Ba 6 Ti 2 Zn 2 Fe 6	-1.887	364.3848861	2.9226193
Ca 8 Mn 2 Ni 6	-1.887	779.2283451	2.9226193
Ba 4 Sn 4 Hf 1 Zr 6 Fe 1	-1.886	103.0740965	2.9231354
Ba 6 Hf 2 Zn 2 Fe 6	-1.884	357.7450162	2.9241676
Ba 4 Ca 4 Mn 7 Co 1	-1.884	338.8363749	2.9241676
Ba 7 Sn 1 Fe 8	-1.884	313.7876	2.9241676
Pr 8 Mg 2 Ni 6	-1.884	0	2.9241676
Ba 2 Sr 6 Mn 2 Fe 6	-1.883	237.1519317	2.9246837
Ba 8 Fe 1 Co 7	-1.882	343.3989064	2.9251998

Ca 4 Ba 4 Mn 7 Co 1	-1.881	328.6353749	2.9257159
Ba 8 Zr 3 Fe 1 Co 4	-1.88	215.6610583	2.926232
Ca 4 Sr 4 Co 4 Ni 4	-1.88	662.3220883	2.926232
Ba 2 La 6 Ga 8	-1.88	144.1748072	2.926232
Pr 4 Ca 4 Ni 7 Co 1	-1.879	688.2205737	2.9267481
La 4 Ho 4 Ga 8	-1.879	33.56831065	2.9267481
Ba 8 Ti 8	-1.876	19.43465	2.9282964
Ba 6 Cd 2 Hf 1 Zr 6 Fe 1	-1.876	25.85285955	2.9282964
Sr 4 Ca 4 Co 4 Ni 4	-1.876	664.5268383	2.9282964
Sr 4 Ca 4 Ni 4 Co 4	-1.874	668.5175883	2.9293286
Ba 7 Ca 1 Fe 8	-1.872	275.2111834	2.9303608
Ba 6 Sr 2 Fe 8	-1.872	260.4049649	2.9303608
Sr 4 Ba 4 Fe 1 Co 7	-1.872	374.7482974	2.9303608
Ba 4 Sr 4 Fe 1 Co 7	-1.872	365.5440474	2.9303608
Ca 4 Ba 4 Mn 6 Co 2	-1.869	344.419805	2.9319091
Ba 4 Ca 4 Mn 6 Co 2	-1.869	351.175805	2.9319091
Ca 4 Sr 4 Ni 4 Co 4	-1.869	665.4313383	2.9319091
Sr 4 Ba 4 Al 2 Fe 6	-1.868	241.4586771	2.9324252
Ba 4 Sr 4 Mn 1 Fe 7	-1.868	253.935041	2.9324252
Y 4 Ba 4 Mn 2 Fe 6	-1.868	1038.720502	2.9324252
Sr 6 Ca 2 Mn 4 Fe 4	-1.866	242.7919109	2.9334574
Ba 4 Sr 4 Fe 6 Co 2	-1.866	299.1716539	2.9334574
La 8 Mg 4 Ti 4	-1.865	22.18427375	2.9339735
Ba 4 Sn 4 Zr 7 Fe 1	-1.865	156.5083604	2.9339735
Ca 8 Mn 1 Ni 7	-1.865	854.991518	2.9339735
Sr 7 Mn 8 Zn 1	-1.864	259.2114621	2.9344896
Ba 8 Nb 1 Fe 7	-1.864	205.6142891	2.9344896
Sr 6 Zn 2 Co 8	-1.864	491.5344177	2.9344896
Ca 8 Ni 8	-1.86	931.2131909	2.936554
Ba 7 Mg 1 Fe 8	-1.859	333.499772	2.9370701
Ba 8 Zr 1 Fe 7	-1.857	223.537251	2.9381023
Ba 4 Sr 4 Co 8	-1.857	379.5415139	2.9381023
Ba 7 Bi 1 Zr 7 Fe 1	-1.856	0	2.9386184
Ba 4 Sr 4 Al 2 Fe 6	-1.855	318.5213462	2.9391345
Ba 4 Be 4 Nb 4 Sb 4	-1.855	151.2613555	2.9391345
Sr 2 La 6 Ga 8	-1.855	124.9590582	2.9391345
Sr 2 Pr 6 Ni 8	-1.854	560.4315828	2.9396506
Sr 8 Ga 1 Co 7	-1.853	342.0909155	2.9401667
Ca 4 Ba 4 Mn 7 Fe 1	-1.852	308.9878583	2.9406828

Ba 4 Ca 4 Mn 7 Fe 1	-1.852	311.6253583	2.9406828
Ba 8 Fe 6 Ru 2	-1.852	152.5277361	2.9406828
Sr 8 Y 1 Co 7	-1.852	327.9648339	2.9406828
Ba 8 Zr 6 Fe 2	-1.851	37.3593017	2.9411989
Sr 2 Ba 6 Y 1 Fe 7	-1.851	214.115717	2.9411989
Sr 8 Mn 8	-1.85	214.7947281	2.941715
Ba 6 Cd 2 Fe 8	-1.849	356.4587943	2.9422311
Ba 4 Sr 4 Fe 2 Co 6	-1.849	356.8095809	2.9422311
Sr 4 Ba 4 Fe 2 Co 6	-1.849	351.1588309	2.9422311
Pr 4 Ba 4 Co 4 Ni 4	-1.847	469.3334693	2.9432633
Sr 4 Mg 4 Nb 2 Sb 6	-1.847	127.8698152	2.9432633
La 4 Nd 4 Ga 8	-1.847	15.44290641	2.9432633
Sr 8 Y 2 Fe 6	-1.846	215.3808039	2.9437794
Sr 6 Hf 2 Mn 6 Zn 2	-1.845	260.8748196	2.9442955
Sr 4 Ba 4 In 1 Fe 7	-1.845	209.2171784	2.9442955
Ba 4 Ca 4 Mn 6 Fe 2	-1.843	317.966272	2.9453277
Ca 4 Ba 4 Mn 6 Fe 2	-1.842	304.542022	2.9458438
Sr 2 Ba 6 Y 1 Co 7	-1.842	307.2482385	2.9458438
Ba 8 Fe 4 Rh 4	-1.842	223.5185339	2.9458438
Ba 8 Ta 1 Fe 7	-1.84	206.0350229	2.946876
Sr 6 Zr 2 Mn 6 Zn 2	-1.839	244.1643875	2.9473921
Ca 4 Ba 4 Mn 7 Ni 1	-1.839	367.6898676	2.9473921
Ba 8 Fe 7 Ir 1	-1.839	221.7974211	2.9473921
Sr 4 Ba 4 Y 1 Co 7	-1.839	328.96552	2.9473921
Sr 8 Co 6 Ni 2	-1.838	488.9458259	2.9479082
Pr 4 Ca 4 Mn 1 Ni 7	-1.838	660.1169459	2.9479082
La 8 Mg 1 Ga 7	-1.838	54.80236233	2.9479082
Y 8 Mg 4 Co 4	-1.837	0	2.9484243
Y 4 Ba 4 Mn 4 Ni 4	-1.837	506.7597787	2.9484243
Sr 6 Zr 2 Zn 2 Co 6	-1.835	417.0961272	2.9494565
Pr 4 Sr 4 Mn 4 Ni 4	-1.835	368.0565124	2.9494565
Ba 2 Be 6 Sb 8	-1.835	282.3442074	2.9494565
Ba 4 Ca 4 Mn 7 Ni 1	-1.832	370.6873676	2.9510048
La 4 Sm 4 Ga 8	-1.831	22.3715509	2.9515209
Y 8 Mg 4 Mn 4	-1.83	0	2.952037
Sr 6 Mn 8 Zn 2	-1.83	303.3021962	2.952037
Ba 4 Sr 4 Ga 1 Fe 7	-1.829	287.3190859	2.9525531
Sr 8 In 1 Co 7	-1.828	335.2259149	2.9530692
Ca 2 La 6 Ga 8	-1.826	114.2591578	2.9541014

Ba 8 Fe 3 Co 3 Zr 2	-1.825	205.1403247	2.9546175
Ba 7 Cd 1 Fe 8	-1.825	308.1113426	2.9546175
Ba 4 Sr 4 Fe 4 Co 4	-1.825	335.6841479	2.9546175
Sr 6 Hf 2 Zn 2 Co 6	-1.821	416.6373093	2.9566819
Ba 8 Zr 5 Fe 1 Co 2	-1.82	140.1926526	2.957198
Ba 4 Sr 4 Mn 2 Fe 6	-1.82	245.6824222	2.957198
Ba 4 Sr 4 Mn 1 Co 7	-1.82	359.2332352	2.957198
Y 4 Sr 4 Fe 1 Ni 7	-1.82	709.0190853	2.957198
Ba 4 Mg 4 Nb 2 Sb 6	-1.82	151.3917357	2.957198
Sr 8 Al 2 Co 6	-1.818	333.1396948	2.9582302
Ba 2 Sr 6 Fe 6 Ni 2	-1.818	387.1381489	2.9582302
Sr 8 Mn 7 Co 1	-1.817	251.3039082	2.9587463
Sr 4 Ba 4 Mn 2 Co 6	-1.816	341.9462065	2.9592624
Mg 4 Be 4 Nb 2 Sb 6	-1.815	210.9164219	2.9597785
Sr 4 Ba 4 Ga 1 Fe 7	-1.813	216.6057143	2.9608107
Sr 4 Be 4 Nb 4 Sb 4	-1.812	168.2472577	2.9613268
Ba 4 Sr 4 Zn 1 Fe 7	-1.81	311.1425928	2.962359
Ba 8 Fe 2 Co 6	-1.81	321.9406899	2.962359
Sr 4 Ca 4 Fe 4 Ni 4	-1.81	592.42506	2.962359
Ba 4 Ca 4 Mn 4 Co 4	-1.808	388.9696653	2.9633912
Sr 8 Mn 6 Co 2	-1.806	256.0735884	2.9644234
Ba 7 Sr 1 Fe 8	-1.806	259.6244279	2.9644234
Ca 4 Ba 4 Mn 4 Co 4	-1.806	382.4731653	2.9644234
Ba 4 Sr 4 Fe 7 Cu 1	-1.806	329.5698151	2.9644234
Pr 4 Sr 4 Fe 2 Ni 6	-1.803	538.5054673	2.9659717
Ca 4 Ba 4 Mn 6 Ni 2	-1.802	433.9670405	2.9664878
Ba 8 Sc 1 Co 7	-1.801	309.008462	2.9670039
Ba 4 Ca 4 Mn 6 Ni 2	-1.8	437.8077905	2.96752
Sr 4 Ba 4 Mn 1 Co 7	-1.799	361.0914852	2.9680361
Pr 4 Gd 4 Ta 8	-1.798	7365.583654	2.9685522
Ba 4 Sr 4 Fe 2 Co 5 Zr 1	-1.798	287.9381315	2.9685522
Sr 2 Ba 6 Sc 1 Co 7	-1.798	311.4884935	2.9685522
Pr 4 Sr 4 Ni 6 Co 2	-1.798	577.9238565	2.9685522
Ba 2 Mg 6 Nb 4 Sb 4	-1.795	132.4237329	2.9701005
Pr 8 Mg 4 Co 4	-1.794	0	2.9706166
Sr 8 Mn 6 Fe 2	-1.793	211.9219658	2.9711327
Ba 4 Sr 4 Fe 2 Co 5 Y 1	-1.793	328.958681	2.9711327
Sr 8 Mn 4 Co 4	-1.79	297.1616987	2.972681
Sr 8 Mn 7 Fe 1	-1.789	241.4688469	2.9731971

Ca 4 Sr 4 Mn 4 Ni 4	-1.789	561.9933345	2.9731971
Ba 2 Mg 6 Sb 8	-1.789	197.5300541	2.9731971
Rb 4 Sr 4 V 4 Fe 4	-1.788	352.5101479	2.9737132
Ba 8 Sc 1 Fe 7	-1.788	187.7434464	2.9737132
Sr 4 Ca 4 Mn 4 Ni 4	-1.786	564.0348345	2.9747454
Sr 4 Ba 4 Mn 6 Co 2	-1.783	265.7836402	2.9762937
Ba 6 Zn 2 Fe 8	-1.783	412.5623779	2.9762937
Ba 8 Fe 7 Ru 1	-1.783	196.9395634	2.9762937
Ba 4 Sr 4 Co 7 Ni 1	-1.782	433.4133494	2.9768098
Ba 8 Fe 7 Co 1	-1.78	269.4643573	2.977842
Sr 4 Ba 4 Co 7 Ni 1	-1.779	440.2340994	2.9783581
Ca 4 Pr 4 Ni 8	-1.778	677.8053688	2.9788742
Sr 4 Ba 4 Sc 1 Co 7	-1.776	321.308775	2.9799064
Y 4 Sr 4 Mn 1 Ni 7	-1.773	714.3716558	2.9814547
La 8 Mg 2 Ga 6	-1.773	100.3646259	2.9814547
Ba 6 Zr 2 Zn 2 Co 6	-1.771	424.576738	2.9824869
Sr 2 Ba 6 Al 1 Co 7	-1.771	334.4732322	2.9824869
Ca 8 Fe 1 Ni 7	-1.767	853.239071	2.9845513
Ba 6 Hf 2 Zn 2 Co 6	-1.766	451.589048	2.9850674
Sr 4 Ca 4 Ni 6 Co 2	-1.766	789.5879286	2.9850674
Ca 4 Sr 4 Ni 6 Co 2	-1.766	786.1886786	2.9850674
Sr 8 Y 2 Co 6	-1.765	314.9504189	2.9855835
Sr 2 Ba 6 Al 1 Fe 7	-1.764	217.026409	2.9860996
Sr 2 Ba 6 Al 2 Co 6	-1.764	359.4353101	2.9860996
Ba 2 Pr 6 Ni 8	-1.764	573.2493954	2.9860996
Ba 8 Hf 1 Fe 7	-1.763	232.372335	2.9866157
Sr 4 Ba 4 In 1 Co 7	-1.763	337.6858524	2.9866157
Ba 2 Mg 6 Nb 2 Sb 6	-1.763	189.2264573	2.9866157
Sr 8 Mn 7 Ni 1	-1.761	280.161651	2.9876479
Sr 8 Sc 2 Co 6	-1.757	0	2.9897123
Ca 8 Ti 8	-1.754	12.44807725	2.9912606
Ba 2 Sr 6 Mn 8	-1.754	220.331629	2.9912606
Sr 4 Ba 4 Sc 2 Fe 6	-1.752	194.999271	2.9922928
Ba 4 Sr 4 Nb 4 Ni 4	-1.752	298.680759	2.9922928
Ba 7 Sr 1 Mn 2 Fe 6	-1.752	239.3482381	2.9922928
Sr 4 Ba 4 Al 1 Co 7	-1.752	365.2542637	2.9922928
Ba 4 Sr 4 Mn 2 Co 6	-1.751	346.1554565	2.9928089
Y 4 Ba 4 Mn 2 Ni 6	-1.75	663.6365861	2.993325
Ba 4 La 4 Ga 8	-1.748	251.6676226	2.9943572

Sr 4 La 4 Ga 8	-1.748	217.2769291	2.9943572
Ca 4 Ba 4 Co 4 Ni 4	-1.747	671.8971973	2.9948733
Ca 4 Ba 4 Ni 4 Co 4	-1.747	673.8169473	2.9948733
Ba 8 Zr 6 Fe 1 Co 1	-1.745	70.59703222	2.9959055
Sr 8 Al 4 Fe 4	-1.745	251.7804341	2.9959055
Ba 8 Fe 8	-1.745	258.8621408	2.9959055
Ba 4 Sr 4 Ga 2 Fe 6	-1.745	312.3966329	2.9959055
Ba 7 Sr 1 Mn 1 Fe 7	-1.744	251.7406517	2.9964216
Sr 1 La 7 Mg 2 Ga 6	-1.744	221.9404994	2.9964216
Rb 4 Sr 4 Mn 4 V 4	-1.741	372.5957184	2.9979699
Y 4 Ba 4 Fe 2 Ni 6	-1.741	695.3448613	2.9979699
Ca 4 Sr 4 Fe 2 Ni 6	-1.74	731.0845394	2.998486
Sr 8 Mn 4 Fe 4	-1.738	207.9477035	2.9995182
Ba 4 Ca 4 Ni 4 Co 4	-1.738	710.4464473	2.9995182
Ba 8 Fe 6 Rh 2	-1.737	235.3290873	3.0000343
Sr 4 Ca 4 Fe 2 Ni 6	-1.737	734.0282894	3.0000343
Ba 8 Fe 7 Rh 1	-1.733	246.3388641	3.0020987
Ba 8 Fe 6 Co 2	-1.733	282.9710738	3.0020987
Sr 4 Ba 4 Ga 2 Fe 6	-1.731	240.5247687	3.0031309
La 6 Ho 2 Sc 8	-1.73	0	3.003647
Sr 4 Ba 4 Sc 2 Co 6	-1.73	297.942614	3.003647
Ba 8 Hf 6 Fe 2	-1.729	84.1418057	3.0041631
Sr 2 Ba 6 Ga 1 Co 7	-1.728	334.8586335	3.0046792
Y 4 Sr 4 Ni 7 Co 1	-1.728	633.7829049	3.0046792
La 6 Dy 2 Sc 8	-1.727	0	3.0051953
Ba 8 Fe 6 Pt 2	-1.726	277.5271686	3.0057114
Pr 8 Mg 4 Mn 4	-1.725	0	3.0062275
Pr 8 Mg 4 Ti 4	-1.724	34.71888825	3.0067436
Ba 8 Mn 2 Co 6	-1.724	321.4643155	3.0067436
Ba 4 Be 4 Nb 2 Sb 6	-1.724	200.2107495	3.0067436
Ba 8 Mn 1 Co 7	-1.723	328.7718442	3.0072597
Sr 2 Ba 6 In 1 Co 7	-1.722	322.7173209	3.0077758
Sr 2 Ba 6 Al 2 Fe 6	-1.721	243.2704176	3.0082919
Ba 4 Cd 4 Hf 1 Zr 6 Fe 1	-1.72	134.7096834	3.008808
Ba 8 Y 1 Co 7	-1.72	300.849207	3.008808
Ca 4 Ba 4 Mn 4 Ni 4	-1.72	568.5651363	3.008808
Sr 2 Ba 6 In 1 Fe 7	-1.719	203.4596689	3.0093241
La 6 Gd 2 Sc 8	-1.717	29.08498069	3.0103563
La 8 Sc 8	-1.716	0	3.0108724

Ba 6 Be 2 Nb 4 Sb 4	-1.715	134.3815416	3.0113885
Pr 6 Zn 2 Ni 8	-1.715	646.4899685	3.0113885
La 4 Gd 4 Sc 8	-1.714	28.68323437	3.0119046
Sr 2 Ba 6 Sc 2 Co 6	-1.713	283.6615825	3.0124207
Sr 2 Ba 6 Y 2 Co 6	-1.709	288.0390726	3.0144851
Pr 4 Ba 4 Mn 2 Fe 6	-1.708	913.8626351	3.0150012
Ba 4 Sr 4 Co 6 Ni 2	-1.708	494.0744349	3.0150012
Sr 8 In 2 Co 6	-1.708	336.2070809	3.0150012
La 6 Sm 2 Sc 8	-1.706	0	3.0160334
Ba 8 Zr 6 Fe 1 Ni 1	-1.706	112.084275	3.0160334
Ba 8 Y 1 Fe 7	-1.706	208.0974575	3.0160334
Ba 8 Mn 1 Fe 7	-1.706	246.8597272	3.0160334
Ba 4 Ca 4 Co 4 Ni 4	-1.706	675.6024473	3.0160334
Sr 8 Mn 6 Ni 2	-1.705	350.8348239	3.0165495
Ba 8 Co 7 Ni 1	-1.705	405.6419584	3.0165495
Sr 4 Ba 4 Co 6 Ni 2	-1.705	482.4809349	3.0165495
Ba 8 Sc 2 Co 6	-1.704	271.150301	3.0170656
La 6 Nd 2 Sc 8	-1.703	0	3.0175817
Ba 4 Sr 4 Mn 8	-1.703	226.6367799	3.0175817
Sr 8 Ga 2 Co 6	-1.703	340.101582	3.0175817
Y 4 Ba 4 Ni 7 Co 1	-1.701	767.7522868	3.0186139
Y 4 Ba 4 Fe 1 Ni 7	-1.7	752.5685057	3.01913
Sr 4 Ba 4 Y 2 Co 6	-1.698	302.9771041	3.0201622
Ca 4 Ba 4 Mn 2 Fe 6	-1.698	1106.613955	3.0201622
Ba 8 Fe 7 Pt 1	-1.698	268.5664047	3.0201622
Sr 6 Ca 2 Fe 4 Ni 4	-1.698	555.406474	3.0201622
Ba 4 Sr 4 Fe 6 Ni 2	-1.694	394.8663894	3.0222266
Ba 8 Pd 8	-1.694	593.5388829	3.0222266
Pr 4 Ba 4 Mn 4 Ni 4	-1.693	393.8919904	3.0227427
Sr 4 Ca 4 Mn 2 Ni 6	-1.691	723.7539303	3.0237749
Ba 2 Be 6 Nb 4 Sb 4	-1.69	198.8709354	3.024291
Sr 8 Sc 4 Fe 4	-1.689	205.0634914	3.0248071
Sr 2 Ba 6 Ga 1 Fe 7	-1.689	214.9414547	3.0248071
Mg 4 Be 4 Nb 4 Sb 4	-1.689	176.0819215	3.0248071
Sr 4 Ba 4 Mn 4 Co 4	-1.688	301.4216034	3.0253232
Pr 4 Sr 4 Fe 1 Ni 7	-1.688	604.9283321	3.0253232
Sr 4 Ba 4 Mn 7 Co 1	-1.687	250.6722101	3.0258393
Ca 4 Sr 4 Fe 1 Ni 7	-1.686	798.6654042	3.0263554
Ba 4 Ca 4 Mn 4 Ni 4	-1.685	607.5313863	3.0268715

Ba 4 Sr 4 Mn 6 Co 2	-1.684	289.3581402	3.0273876
Sr 4 Be 4 Nb 2 Sb 6	-1.684	168.5018972	3.0273876
Sr 4 Ba 4 Ga 1 Co 7	-1.681	364.146665	3.0289359
Ca 4 La 4 Ga 8	-1.679	219.940026	3.0299681
Sr 8 Sc 4 V 4	-1.676	0	3.0315164
La 4 Ho 4 Sc 8	-1.676	0.334952917	3.0315164
Sr 4 Ca 4 Fe 1 Ni 7	-1.676	801.9434042	3.0315164
Sr 4 Ca 4 Ni 7 Co 1	-1.676	833.0659738	3.0315164
Ba 8 Fe 7 Ni 1	-1.675	335.6406001	3.0320325
Y 4 Ba 4 Mn 1 Ni 7	-1.674	739.5015605	3.0325486
Ca 4 Sr 4 Ni 7 Co 1	-1.673	828.9682238	3.0330647
La 8 Mg 4 Ga 4	-1.671	188.7946905	3.0340969
Ba 8 Fe 4 Pt 4	-1.671	294.0624464	3.0340969
Pr 4 Sr 4 Ni 7 Co 1	-1.67	625.9786517	3.034613
Ba 6 Zr 2 Mn 6 Zn 2	-1.668	296.6784071	3.0356452
Ba 8 Al 2 Co 6	-1.667	363.4590286	3.0361613
Sr 8 Co 4 Ni 4	-1.666	593.1126663	3.0366774
Sr 4 Ba 4 Al 2 Co 6	-1.665	360.1730916	3.0371935
Pr 4 Ba 4 Ni 6 Co 2	-1.665	611.4030596	3.0371935
Y 4 Ba 4 Ni 6 Co 2	-1.664	715.1212416	3.0377096
Sr 4 Ba 4 Mn 7 Fe 1	-1.662	224.6499435	3.0387418
Ba 6 Hf 2 Mn 6 Zn 2	-1.661	314.9117171	3.0392579
Sr 8 Ni 4 Co 4	-1.661	595.4681663	3.0392579
Ba 8 Zr 6 Fe 1 Cu 1	-1.66	110.0554805	3.039774
Sr 4 Ca 4 Mn 1 Ni 7	-1.66	799.7904746	3.039774
Sr 8 Al 4 Co 4	-1.658	351.8863906	3.0408062
Ba 8 Fe 4 Co 4	-1.658	307.7795069	3.0408062
Ca 4 Sr 4 Mn 1 Ni 7	-1.658	823.4522246	3.0408062
La 4 Dy 4 Sc 8	-1.657	0	3.0413223
Sr 4 Ba 4 Mn 7 Ni 1	-1.657	287.2274528	3.0413223
Sr 6 Ta 2 Zn 2 Ni 6	-1.657	663.1807708	3.0413223
Ba 8 Hf 1 Zr 6 Fe 1	-1.656	3.55271E-12	3.0418384
Ba 4 Sr 4 Mn 6 Fe 2	-1.653	229.3498572	3.0433867
Ba 4 Sr 4 Mn 7 Fe 1	-1.652	229.1906935	3.0439028
Ba 7 Cd 1 Zr 7 Fe 1	-1.651	46.74236362	3.0444189
Ba 8 Fe 7 Pd 1	-1.651	294.1107023	3.0444189
Ba 8 Mn 2 Fe 6	-1.65	235.6203135	3.044935
Ba 8 In 1 Co 7	-1.65	315.6517894	3.044935
Ba 8 Y 2 Co 6	-1.649	274.4990411	3.0454511

Sr 8 V 4 Ga 4	-1.645	134.2448986	3.0475155
Sr 4 Ba 4 Mn 6 Fe 2	-1.644	224.9633572	3.0480316
Ba 4 Sr 4 Mn 7 Ni 1	-1.644	291.5262028	3.0480316
La 4 Sm 4 Sc 8	-1.642	0	3.0490638
Sr 2 Ba 6 Sc 2 Fe 6	-1.642	189.9470115	3.0490638
Sr 4 Y 4 Ni 8	-1.641	611.0149501	3.0495799
Sr 4 Ba 4 In 2 Fe 6	-1.64	222.8274469	3.050096
Ba 8 Zr 7 Fe 1	-1.638	0	3.0511282
Pr 4 Ba 4 Fe 2 Ni 6	-1.638	571.0231105	3.0511282
Sr 4 Ba 4 Ga 2 Co 6	-1.638	352.7093941	3.0511282
Ba 8 In 2 Co 6	-1.637	311.3067059	3.0516443
La 4 Nd 4 Sc 8	-1.636	0	3.0521604
Sr 6 Nb 2 Zn 2 Ni 6	-1.635	666.8959536	3.0526765
Ba 8 Hf 2 Zr 5 Fe 1	-1.634	8.140079851	3.0531926
Ba 4 Sr 4 Mn 4 Co 4	-1.631	305.5581034	3.0547409
Ba 2 Sr 6 Mn 4 Fe 4	-1.63	216.180944	3.055257
Ba 8 Co 6 Ni 2	-1.63	464.9512939	3.055257
Ba 8 Hf 4 Zr 3 Fe 1	-1.629	23.86399785	3.0557731
Ba 8 Al 1 Fe 7	-1.629	218.5326494	3.0557731
Pr 4 Sr 4 Mn 1 Ni 7	-1.629	600.1284025	3.0557731
Ba 8 Ga 2 Co 6	-1.628	334.4053311	3.0562892
Sr 4 Ba 4 In 2 Co 6	-1.628	336.7372689	3.0562892
Sr 2 Ba 6 In 2 Co 6	-1.622	315.8027374	3.0593858
Sr 4 Ca 4 Ni 8	-1.622	869.2945189	3.0593858
Ba 7 Cd 1 Hf 1 Zr 6 Fe 1	-1.62	0	3.060418
Ba 8 Fe 6 Pd 2	-1.62	324.1810138	3.060418
Ca 4 Ba 4 Ni 6 Co 2	-1.619	785.4502876	3.0609341
Ba 4 Sr 4 Mn 4 Fe 4	-1.618	225.0341844	3.0614502
Sr 4 Ba 4 Y 2 Fe 6	-1.617	227.9474341	3.0619663
Sr 2 Ba 6 Ga 2 Co 6	-1.617	348.5878626	3.0619663
Ba 4 Ca 4 Ni 6 Co 2	-1.615	793.0120376	3.0629985
Ba 3 Sn 1 Pr 4 Ni 8	-1.615	675.5772809	3.0629985
Sr 2 Ba 6 Ga 2 Fe 6	-1.609	238.7117591	3.0660951
Ba 8 Zn 1 Fe 7	-1.603	300.9575066	3.0691917
Ba 4 Sr 4 Al 8	-1.601	373.4425651	3.0702239
Sr 4 Ba 4 Mn 6 Ni 2	-1.6	352.2563757	3.07074
Ba 4 Sr 4 Mn 6 Ni 2	-1.6	354.5393757	3.07074
Y 8 Mg 4 Ti 4	-1.598	5.974325	3.0717722
Ba 7 Sn 1 Zr 7 Fe 1	-1.597	24.7171435	3.0722883

Sr 4 Ba 4 Sc 4 Fe 4	-1.596	212.6513821	3.0728044
Ba 8 Fe 3 Co 3 Y 1 Zr 1	-1.594	240.1843742	3.0738366
Ba 8 Mn 6 Co 2	-1.594	274.5580449	3.0738366
Ba 8 Al 2 Fe 6	-1.593	246.381408	3.0743527
Ba 8 Hf 7 Fe 1	-1.589	46.19749985	3.0764171
Ca 4 Ba 4 Fe 2 Ni 6	-1.587	746.2594594	3.0774493
Sr 8 Fe 4 Ni 4	-1.584	519.644888	3.0789976
Ba 4 Ca 4 Fe 2 Ni 6	-1.582	753.7597094	3.0800298
Ba 8 Mn 8	-1.581	213.0473317	3.0805459
Ba 8 Mn 7 Co 1	-1.58	242.3113133	3.081062
Ba 8 In 1 Fe 7	-1.58	197.8935144	3.081062
Pr 4 Ba 4 Mn 2 Ni 6	-1.58	561.0510702	3.081062
Ba 7 Sn 1 Hf 1 Zr 6 Fe 1	-1.575	0	3.0836425
Pr 4 Ba 4 Fe 1 Ni 7	-1.575	628.1953607	3.0836425
Ba 8 Al 1 Co 7	-1.572	361.6709507	3.0851908
Sr 8 Mn 4 Ni 4	-1.571	490.5814197	3.0857069
Ba 8 Sc 2 Fe 6	-1.569	186.2552519	3.0867391
Sr 8 V 4 Cu 4	-1.569	367.6084311	3.0867391
Ba 8 Ga 1 Fe 7	-1.564	214.6581952	3.0893196
Ca 4 Ba 4 Mn 2 Ni 6	-1.563	725.663085	3.0898357
Pr 4 Ba 4 Ni 7 Co 1	-1.562	648.3873548	3.0903518
Ba 4 Ca 4 Mn 2 Ni 6	-1.559	753.351085	3.0919001
Gd 4 Y 4 Sc 8	-1.557	26.942183	3.0929323
Ba 7 Zn 1 Ni 8	-1.556	859.4711133	3.0934484
Sr 2 Ba 6 Sc 4 Fe 4	-1.555	203.2618726	3.0939645
Sr 2 Ba 6 Y 2 Fe 6	-1.551	227.0050337	3.0960289
Sr 8 Y 4 Fe 4	-1.543	241.4806789	3.1001577
Sr 8 Ni 6 Co 2	-1.542	715.7380066	3.1006738
Ba 8 Ga 1 Co 7	-1.541	354.904352	3.1011899
Y 8 Sc 8	-1.54	28.42037425	3.101706
Ba 8 Mn 7 Fe 1	-1.534	221.4312454	3.1048026
Ca 4 Ba 4 Mn 1 Ni 7	-1.531	811.0558565	3.1063509
Sr 4 La 1 Zn 3 Ni 8	-1.529	894.9385268	3.1073831
Sr 8 Sc 4 Co 4	-1.528	251.3591513	3.1078992
Ba 4 Ca 4 Fe 1 Ni 7	-1.527	817.4001687	3.1084153
Ca 4 Ba 4 Fe 1 Ni 7	-1.526	809.0106687	3.1089314
Pr 4 Ba 4 Mn 1 Ni 7	-1.526	616.7866101	3.1089314
Pr 4 Gd 4 Ga 8	-1.526	78.46623222	3.1089314
Ba 4 Sr 4 Ni 4 Co 4	-1.524	596.1225253	3.1099636

Sr 2 Ba 6 In 2 Fe 6	-1.522	213.3979374	3.1109958
Ba 8 Mn 7 Ni 1	-1.521	280.9968061	3.1115119
Sr 4 Ba 4 Co 4 Ni 4	-1.521	588.5662753	3.1115119
Sr 4 Ba 4 Ni 4 Co 4	-1.521	590.6512753	3.1115119
Sr 6 Ca 2 Ni 8	-1.521	832.2189329	3.1115119
Sr 8 Fe 2 Ni 6	-1.52	660.1253674	3.112028
Pr 4 Gd 4 Sc 8	-1.518	16.48859025	3.1130602
Ba 8 Hf 8	-1.517	8.216444	3.1135763
Ca 4 Ba 4 Ni 7 Co 1	-1.516	832.9565828	3.1140924
Ba 4 Ca 4 Ni 7 Co 1	-1.515	835.8768328	3.1146085
Ba 8 Mn 6 Fe 2	-1.512	212.057659	3.1161568
Ba 4 Sr 4 V 4 Ni 4	-1.509	396.0868078	3.1177051
Ba 2 Sr 6 Fe 4 Ni 4	-1.509	525.3931284	3.1177051
Ba 4 Ca 4 Mn 1 Ni 7	-1.509	820.2236065	3.1177051
Ba 8 Sc 4 Fe 4	-1.506	193.686363	3.1192534
Ba 8 Mn 4 Co 4	-1.504	294.713508	3.1202856
Ba 8 Fe 7 Cu 1	-1.504	315.8430556	3.1202856
Ba 8 Al 8	-1.503	388.6313288	3.1208017
Ba 4 Sr 4 Co 4 Ni 4	-1.502	592.0295253	3.1213178
Gd 4 Y 4 Ga 8	-1.5	75.27819525	3.12235
Ba 8 Y 2 Fe 6	-1.498	229.0352741	3.1233822
Sr 4 Pr 4 Ni 8	-1.497	638.6141188	3.1238983
Ba 4 Sr 4 Al 4 Fe 4	-1.491	361.4077716	3.1269949
Sr 8 Y 4 V 4	-1.49	112.1749515	3.127511
Ba 6 Cd 2 Zr 7 Fe 1	-1.489	87.40277555	3.1280271
Y 6 Ho 2 Sc 8	-1.486	37.4386379	3.1295754
Sr 4 Ba 4 Al 4 Fe 4	-1.483	292.7046944	3.1311237
Sr 4 Ba 4 Y 4 Fe 4	-1.481	241.6149901	3.1321559
Ba 6 Sn 2 Zr 7 Fe 1	-1.474	63.07508532	3.1357686
Gd 2 Y 6 Sc 8	-1.472	27.91952863	3.1368008
Pr 6 Gd 2 Ga 8	-1.467	76.1821909	3.1393813
Sr 8 Mn 2 Ni 6	-1.465	648.4577583	3.1404135
Y 4 Ho 4 Sc 8	-1.463	46.36115154	3.1414457
Pr 6 Gd 2 Sc 8	-1.461	21.48093037	3.1424779
Ba 4 La 1 Zn 3 Ni 8	-1.461	224.6336981	3.1424779
Ba 8 Mn 6 Ni 2	-1.46	335.2155304	3.142994
Sr 8 Fe 1 Ni 7	-1.46	728.1662322	3.142994
Ba 8 Nb 4 Ni 4	-1.459	248.9902561	3.1435101
La 8 Mg 2 Sc 6	-1.457	73.66589018	3.1445423

Sr 2 Ba 6 Y 4 Fe 4	-1.456	236.3273407	3.1450584
Sr 4 Ba 4 Al 4 Co 4	-1.456	385.998024	3.1450584
La 8 Mg 1 Sc 7	-1.455	24.04593359	3.1455745
Sr 4 Ba 4 Mn 4 Ni 4	-1.455	483.4883244	3.1455745
Ba 4 Sr 4 Mn 4 Ni 4	-1.454	484.0640744	3.1460906
Ba 4 Cd 4 Zr 7 Fe 1	-1.453	187.6825994	3.1466067
Ba 2 La 6 Sc 8	-1.452	63.70259812	3.1471228
Ba 4 Y 4 Ni 8	-1.452	644.2740819	3.1471228
Sr 8 Ni 7 Co 1	-1.45	756.7903018	3.148155
Pr 8 Ga 8	-1.449	70.39114186	3.1486711
La 8 Mg 4 Sc 4	-1.447	169.8248034	3.1497033
Pr 8 Sc 8	-1.443	23.6410205	3.1517677
Y 8 Ga 8	-1.44	69.473884	3.153316
Sr 8 Ga 4 Fe 4	-1.437	270.2745978	3.1548643
Ba 4 La 4 Sc 8	-1.436	138.6154782	3.1553804
Ba 4 Sr 4 Fe 6 Cu 2	-1.436	396.3339781	3.1553804
Dy 4 Y 4 Sc 8	-1.434	41.14157115	3.1564126
Sr 8 Mn 1 Ni 7	-1.433	725.8810526	3.1569287
Sr 4 Ba 4 Sc 4 Co 4	-1.425	266.9415421	3.1610575
Ba 4 Sr 4 Fe 4 Ni 4	-1.425	532.1133689	3.1610575
Ba 8 Y 4 Fe 4	-1.423	223.0186253	3.1620897
Ba 8 Fe 4 Pd 4	-1.421	376.8856369	3.1631219
Pr 6 Dy 2 Sc 8	-1.42	31.3278325	3.163638
Rb 4 Ba 4 Nb 4 Fe 4	-1.42	226.5071034	3.163638
Sr 2 La 6 Sc 8	-1.419	48.6703405	3.1641541
Ba 2 Y 6 Ga 8	-1.415	224.6724158	3.1662185
Ba 8 Zr 8	-1.414	0	3.1667346
Dy 2 Y 6 Sc 8	-1.414	34.87204233	3.1667346
Y 8 Mg 4 Ni 4	-1.413	0	3.1672507
Ba 8 In 2 Fe 6	-1.411	203.0273879	3.1682829
Ba 6 Ta 2 Zn 2 Ni 6	-1.41	693.9918919	3.168799
Sm 4 Y 4 Sc 8	-1.408	30.36666638	3.1698312
Pr 6 Ho 2 Sc 8	-1.407	36.83152562	3.1703473
Ca 2 La 6 Sc 8	-1.405	69.76585156	3.1713795
Ba 4 Sr 4 Ni 6 Co 2	-1.405	711.3473656	3.1713795
Sr 8 Ga 4 Co 4	-1.405	359.695915	3.1713795
Sr 4 Ba 4 Ni 6 Co 2	-1.404	701.9181156	3.1718956
Sr 8 Ni 8	-1.401	797.5165969	3.1734439
Sr 2 Ba 6 Sc 4 Co 4	-1.397	261.8387606	3.1755083

Pr 4 Ho 4 Sc 8	-1.396	43.10978075	3.1760244
Sr 2 Ba 6 Al 4 Co 4	-1.396	388.3704657	3.1760244
Sr 8 Sc 1 Ni 7	-1.396	647.8258047	3.1760244
Ba 8 Ga 2 Fe 6	-1.394	238.5799996	3.1770566
Pr 4 Dy 4 Sc 8	-1.393	33.4211445	3.1775727
Cs 4 Ba 4 Mn 4 Nb 4	-1.393	311.454829	3.1775727
Sr 8 Al 1 Ni 7	-1.389	660.7546729	3.1796371
Sr 4 La 4 Sc 8	-1.387	124.158454	3.1806693
Ba 3 Cd 1 Pr 4 Ni 8	-1.386	707.7181936	3.1811854
Ba 6 Ti 2 Zn 2 Ni 6	-1.384	788.8750985	3.1822176
Ba 6 Nb 2 Zn 2 Ni 6	-1.384	706.1085907	3.1822176
Pr 6 Nd 2 Sc 8	-1.382	24.00170775	3.1832498
Pr 6 Sm 2 Sc 8	-1.381	26.30113	3.1837659
Sr 2 Ba 6 Al 4 Fe 4	-1.381	294.7971848	3.1837659
Ba 8 Co 4 Ni 4	-1.381	566.9848843	3.1837659
Cd 4 Pr 4 Ni 8	-1.381	771.8534377	3.1837659
Ba 8 Fe 6 Ni 2	-1.38	397.6813093	3.184282
Ba 4 Pr 4 Ni 8	-1.377	665.0063999	3.1858303
Sm 2 Y 6 Sc 8	-1.374	30.15027031	3.1873786
Ba 8 Mn 4 Fe 4	-1.369	209.2674863	3.1899591
Sr 4 Ba 4 Fe 2 Ni 6	-1.368	660.2195374	3.1904752
Ba 2 Cd 2 Pr 4 Ni 8	-1.368	738.8143409	3.1904752
Nd 4 Y 4 Sc 8	-1.367	29.92382187	3.1909913
Ba 4 Sr 4 Fe 2 Ni 6	-1.367	664.5725374	3.1909913
Ca 4 La 4 Sc 8	-1.361	167.2719761	3.1940879
Ba 8 Sc 4 Co 4	-1.358	253.4784791	3.1956362
Ba 8 Zr 5 Fe 1 Ni 2	-1.357	222.3356381	3.1961523
Nd 2 Y 6 Sc 8	-1.356	31.09509806	3.1966684
Pr 4 Sm 4 Sc 8	-1.355	27.6864895	3.1971845
Sr 8 Al 2 Ni 6	-1.354	615.6739988	3.1977006
Sr 8 Y 1 Ni 7	-1.354	672.14837	3.1977006
Pr 6 Ho 2 Ga 8	-1.354	85.68175213	3.1977006
Pr 4 Nd 4 Sc 8	-1.352	24.261395	3.1987328
Sr 8 Y 4 Co 4	-1.349	297.2480888	3.2002811
Pr 6 Nd 2 Ga 8	-1.346	72.89124498	3.2018294
Sr 8 Ga 1 Ni 7	-1.343	665.738127	3.2033777
Ba 4 Ba 4 Mn 2 Fe 6	-1.341	625.4768307	3.2044099
Sr 4 Ba 4 Mn 2 Ni 6	-1.341	641.073413	3.2044099
Ba 4 Sr 4 Zn 2 Fe 6	-1.338	291.1028914	3.2059582

Pr 6 Dy 2 Ga 8	-1.336	83.83777077	3.2069904
Pr 6 Sm 2 Ga 8	-1.336	77.84899036	3.2069904
Rb 4 Ba 4 Mn 4 Nb 4	-1.334	218.4521778	3.2080226
Ba 2 Sr 6 Ni 8	-1.331	792.8012764	3.2095709
Ba 2 Y 6 Sc 8	-1.329	134.889405	3.2106031
Sr 8 Sc 2 Ni 6	-1.327	587.3170124	3.2116353
Sr 2 Ba 6 Ga 4 Co 4	-1.324	391.4137581	3.2131836
Sr 6 Ti 2 Zn 2 Ni 6	-1.323	736.0317985	3.2136997
Ba 4 Sr 4 Cu 8	-1.322	727.4318499	3.2142158
Y 6 Ho 2 Ga 8	-1.319	76.50326643	3.2157641
Sr 8 In 4 Fe 4	-1.314	271.267753	3.2183446
Sr 8 In 1 Ni 7	-1.311	675.4512604	3.2198929
Ba 8 Al 4 Co 4	-1.31	393.7579342	3.220409
Ba 8 Ni 4 Co 4	-1.309	582.7663843	3.2209251
Sr 4 Ba 4 Fe 1 Ni 7	-1.308	723.1807467	3.2214412
Ba 4 Sr 4 Fe 1 Ni 7	-1.307	728.1534967	3.2219573
Pr 8 Mg 4 Ni 4	-1.306	3.321794969	3.2224734
Sr 4 Ba 4 Ni 7 Co 1	-1.301	748.4796608	3.2250539
Ba 4 Sr 4 Ni 7 Co 1	-1.301	754.0106608	3.2250539
Sr 4 Ba 4 Y 4 Co 4	-1.296	284.2467722	3.2276344
Sr 8 Al 4 Ni 4	-1.294	558.8919006	3.2286666
Sr 6 Zr 2 Zn 2 Ni 6	-1.293	720.1860837	3.2291827
Sr 8 In 4 Co 4	-1.291	350.090413	3.2302149
Ba 8 Fe 6 Cu 2	-1.288	376.6937203	3.2317632
Ba 4 Sr 4 Mn 1 Ni 7	-1.288	722.3216845	3.2317632
Ba 8 Al 4 Fe 4	-1.286	298.5444253	3.2327954
Sr 4 Ba 4 Mn 1 Ni 7	-1.286	726.0971845	3.2327954
Sr 4 Ba 4 Ga 4 Fe 4	-1.281	291.7333774	3.2353759
Sr 4 Ba 4 Ga 4 Co 4	-1.281	392.4559771	3.2353759
Sr 4 Ba 4 Sc 1 Ni 7	-1.278	647.1563022	3.2369242
Ba 8 Fe 4 Ni 4	-1.274	512.8927279	3.2389886
Sr 6 Hf 2 Zn 2 Ni 6	-1.269	750.4995158	3.2415691
Sr 8 Ga 2 Ni 6	-1.267	624.9809071	3.2426013
Sr 2 Ba 6 Y 4 Co 4	-1.264	264.3107407	3.2441496
Ba 8 Ni 6 Co 2	-1.262	678.5569746	3.2451818
Ba 8 Ga 4 Co 4	-1.262	373.3420392	3.2451818
Sr 8 V 4 Zn 4	-1.254	278.6754579	3.2493106
Sr 4 Ba 4 Y 1 Ni 7	-1.253	658.9730473	3.2498267
Ba 8 Zr 6 Zn 1 Fe 1	-1.25	94.11041745	3.251375

Sr 8 Y 2 Ni 6	-1.25	626.1793931	3.251375
Sr 7 Zn 1 Ni 8	-1.247	855.7682283	3.2529233
Gd 2 Y 6 Ga 8	-1.247	72.71641462	3.2529233
Ba 4 Sr 4 Ga 8	-1.246	450.8530218	3.2534394
Ba 8 Zr 3 Fe 1 Ni 4	-1.245	425.0825293	3.2539555
Pr 4 Ho 4 Ga 8	-1.245	92.15403512	3.2539555
Pr 4 Dy 4 Ga 8	-1.244	90.00434745	3.2544716
Ba 4 Y 4 Ga 8	-1.243	348.4244475	3.2549877
Ba 4 Sr 4 Ni 8	-1.241	830.6034559	3.2560199
Y 4 Ho 4 Ga 8	-1.24	82.99657195	3.256536
Sr 4 Ba 4 Sc 2 Ni 6	-1.239	588.2483985	3.2570521
Ba 8 Y 4 Co 4	-1.238	245.8857092	3.2575682
Sr 4 Ba 4 Al 2 Ni 6	-1.238	635.6333761	3.2575682
Sr 4 Ba 4 Al 1 Ni 7	-1.235	670.126541	3.2591165
Ba 6 Zr 2 Zn 2 Ni 6	-1.233	745.2791945	3.2601487
Dy 4 Y 4 Ga 8	-1.233	81.726855	3.2601487
Ba 6 Hf 2 Zn 2 Ni 6	-1.232	797.3632545	3.2606648
Nd 4 Y 4 Ga 8	-1.231	79.07980342	3.2611809
Pr 4 Nd 4 Ga 8	-1.225	74.56373534	3.2642775
Ca 4 Y 4 Ga 8	-1.224	288.3272051	3.2647936
Sr 2 Y 6 Ga 8	-1.224	192.4399565	3.2647936
Sr 2 Ba 6 Sc 1 Ni 7	-1.22	633.9212317	3.266858
Ba 8 Fe 2 Ni 6	-1.22	638.6726464	3.266858
Sr 2 Y 6 Sc 8	-1.219	120.4591182	3.2673741
Sr 2 Ba 6 Y 2 Ni 6	-1.218	583.6983181	3.2678902
Y 8 Mg 1 Sc 7	-1.216	79.20833369	3.2689224
Ba 8 Zn 2 Fe 6	-1.216	345.3246223	3.2689224
Pr 4 Sm 4 Ga 8	-1.216	82.92662983	3.2689224
Sr 8 In 2 Ni 6	-1.214	638.3999239	3.2699546
Ba 4 Sr 4 Al 6 Fe 2	-1.212	366.1720247	3.2709868
Sr 4 Ba 4 In 4 Co 4	-1.212	336.2168512	3.2709868
Ba 4 Y 4 Sc 8	-1.209	207.1861857	3.2725351
Ba 8 Mn 2 Ni 6	-1.209	616.283022	3.2725351
Ba 2 Pr 6 Ga 8	-1.206	198.3562335	3.2740834
Ca 2 Y 6 Ga 8	-1.206	179.3471695	3.2740834
Ba 8 Y 2 Ni 6	-1.204	564.7827476	3.2751156
Ca 4 Pr 4 Ga 8	-1.203	285.9401669	3.2756317
Sr 4 Ba 4 Ga 1 Ni 7	-1.201	672.9121922	3.2766639
Sr 2 Ba 6 Y 1 Ni 7	-1.198	642.0419768	3.2782122

Sr 6 Zn 2 Ni 8	-1.198	903.7533597	3.2782122
Ba 2 Pr 6 Sc 8	-1.195	115.0208732	3.2797605
Sm 4 Y 4 Ga 8	-1.195	82.90154417	3.2797605
Sr 4 Ba 4 In 1 Ni 7	-1.192	666.9713797	3.2813088
Sr 2 Ba 6 Sc 2 Ni 6	-1.187	574.077078	3.2838893
Ba 4 Pr 4 Sc 8	-1.186	192.3737259	3.2844054
Sr 4 Ba 4 Y 2 Ni 6	-1.184	604.7471386	3.2854376
Sr 2 Ba 6 Ga 4 Fe 4	-1.183	288.9661179	3.2859537
Ca 2 Y 6 Sc 8	-1.182	125.1627653	3.2864698
Ba 8 Ga 8	-1.181	439.4478259	3.2869859
Ba 4 Sr 4 Fe 4 Cu 4	-1.18	528.7626909	3.287502
Sr 8 Mg 4 V 4	-1.176	221.0588574	3.2895664
Sr 2 Ba 6 Al 1 Ni 7	-1.174	659.0317205	3.2905986
Sr 4 Y 4 Ga 8	-1.174	302.338029	3.2905986
Ca 2 Pr 6 Ga 8	-1.174	177.5044044	3.2905986
Sr 8 Sc 4 Ni 4	-1.173	461.083928	3.2911147
Sr 4 Ba 4 Al 4 Ni 4	-1.17	572.055534	3.292663
Ba 8 Fe 1 Ni 7	-1.168	702.4408557	3.2936952
Ba 4 Pr 4 Ga 8	-1.168	315.3707314	3.2936952
Sr 4 Y 4 Sc 8	-1.167	201.4358621	3.2942113
Y 8 Mg 1 Ga 7	-1.165	111.8132485	3.2952435
Y 8 Mg 2 Sc 6	-1.164	134.2935431	3.2957596
Ba 8 Ni 7 Co 1	-1.164	726.8315198	3.2957596
Sr 2 Ba 6 In 4 Co 4	-1.164	319.3083203	3.2957596
Ba 8 Sc 1 Ni 7	-1.163	623.2091612	3.2962757
Pr 8 Mg 1 Sc 7	-1.161	71.89846084	3.2973079
Sr 2 Ba 6 Al 2 Ni 6	-1.16	625.6065556	3.297824
Ba 8 Mn 1 Ni 7	-1.158	735.8887935	3.2988562
Ba 8 Cu 8	-1.158	706.6057089	3.2988562
Y 8 Mg 2 Ga 6	-1.155	157.0373629	3.3004045
Ba 6 Zn 2 Ni 8	-1.152	941.1204116	3.3019528
Pr 8 Mg 1 Ga 7	-1.152	109.8950685	3.3019528
Sr 2 Pr 6 Ga 8	-1.151	185.7875382	3.3024689
Sr 4 Pr 4 Ga 8	-1.15	285.2592284	3.302985
Ba 8 Y 1 Ni 7	-1.147	627.5879063	3.3045333
Sr 4 Ba 4 Ga 2 Ni 6	-1.147	641.1569286	3.3045333
Ba 8 Sc 2 Ni 6	-1.145	562.3185075	3.3055655
Sr 4 Ba 4 In 4 Fe 4	-1.145	253.4567339	3.3055655
Sr 2 Pr 6 Sc 8	-1.143	98.68802881	3.3065977

Y 8 Mg 4 Sc 4	-1.142	240.966962	3.3071138
Pr 8 Mg 2 Sc 6	-1.142	122.5804012	3.3071138
Ca 4 Y 4 Sc 8	-1.141	222.8939064	3.3076299
Pr 8 Mg 2 Ga 6	-1.14	152.4017451	3.308146
Ba 8 Mn 4 Ni 4	-1.137	496.157979	3.3096943
Sr 2 Ba 6 Ga 1 Ni 7	-1.137	660.1236217	3.3096943
Ba 4 Sr 4 Zn 8	-1.136	699.7820966	3.3102104
Y 8 Mg 4 Ga 4	-1.133	247.3678419	3.3117587
Sr 2 Ba 6 In 1 Ni 7	-1.133	650.6703092	3.3117587
Sr 4 Pr 4 Sc 8	-1.131	173.1372871	3.3127909
Ba 8 Zr 3 Fe 1 Cu 4	-1.131	397.3003513	3.3127909
Ca 2 Pr 6 Sc 8	-1.128	115.7311854	3.3143392
Ba 8 In 4 Co 4	-1.127	298.5130388	3.3148553
Pr 8 Mg 4 Sc 4	-1.119	221.0850319	3.3189841
Sr 4 Ba 4 Sc 4 Ni 4	-1.119	469.9275911	3.3189841
Sr 4 Ba 4 In 2 Ni 6	-1.119	625.3365534	3.3189841
Ca 4 Pr 4 Sc 8	-1.117	210.7571004	3.3200163
Ba 8 Ni 8	-1.117	805.2925649	3.3200163
Pr 8 Mg 4 Ga 4	-1.114	237.7283484	3.3215646
Sr 8 Ga 4 Ni 4	-1.113	544.7329672	3.3220807
Sr 2 Ba 6 Al 4 Ni 4	-1.112	570.0417257	3.3225968
Ba 8 Al 6 Fe 2	-1.111	364.3330943	3.3231129
Nd 2 Y 6 Ga 8	-1.109	76.84371871	3.3241451
Ba 8 Al 1 Ni 7	-1.107	650.30215	3.3251773
Sr 2 Ba 6 In 4 Fe 4	-1.107	235.715203	3.3251773
Ba 8 Al 2 Ni 6	-1.098	617.2347351	3.3298222
Ba 8 Zr 5 Fe 1 Cu 2	-1.091	217.1117991	3.3334349
Ba 4 Sr 4 Zn 4 Fe 4	-1.091	464.5173361	3.3334349
Sm 2 Y 6 Ga 8	-1.081	77.23771408	3.3385959
Ba 8 Ga 4 Fe 4	-1.08	287.2828583	3.339112
Sr 2 Ba 6 Ga 2 Ni 6	-1.079	627.9721081	3.3396281
Ba 2 Ca 6 Zr 8	-1.077	0	3.3406603
Sr 2 Ba 6 Sc 4 Ni 4	-1.074	458.9407706	3.3422086
Ba 8 In 1 Ni 7	-1.074	636.8019887	3.3422086
Dy 2 Y 6 Ga 8	-1.067	75.6574945	3.3458213
Ba 4 Sr 4 Fe 2 Cu 6	-1.064	626.3372704	3.3473696
Ba 8 Ga 1 Ni 7	-1.064	649.9593012	3.3473696
Sr 2 Ba 6 In 2 Ni 6	-1.064	604.3427329	3.3473696
Sr 8 Y 4 Ni 4	-1.054	514.8814393	3.3525306

Ba 8 Fe 4 Cu 4	-1.053	501.5170499	3.3530467
Ba 4 Ca 4 Zr 8	-1.045	0	3.3571755
Ba 8 Zn 8	-1.043	679.4408168	3.3582077
Ba 8 In 4 Fe 4	-1.036	218.128635	3.3618204
Ba 8 Al 4 Ni 4	-1.032	558.1114052	3.3638848
Ba 8 Sc 4 Ni 4	-1.03	449.6689501	3.364917
Ba 8 In 2 Ni 6	-1.02	628.3974124	3.370078
Ba 8 Ga 2 Ni 6	-1.019	617.1985376	3.3705941
Ba 8 Zn 4 Fe 4	-1.011	449.3468538	3.3747229
Ba 4 Sr 4 Zr 8	-1.001	0	3.3798839
Ba 4 Sr 4 Zn 6 Fe 2	-1.001	575.8687045	3.3798839
Sr 4 Ba 4 Y 4 Ni 4	-0.997	484.9633212	3.3819483
Sr 8 In 4 Ni 4	-0.992	557.416251	3.3845288
Ba 8 Y 8	-0.988	302.8047955	3.3865932
Sr 4 Ba 4 Ga 4 Ni 4	-0.985	567.9653364	3.3881415
Ba 2 Sr 6 Zr 8	-0.974	0	3.3938186
Sr 2 Ba 6 Y 4 Ni 4	-0.972	462.9645007	3.3948508
Ba 4 Sr 4 Ga 6 Fe 2	-0.962	412.3486599	3.4000118
Ba 8 Zr 5 Zn 2 Fe 1	-0.96	182.6006731	3.401044
Sr 2 Ca 6 Zr 8	-0.952	0	3.4051728
Sr 8 Zr 8	-0.952	0	3.4051728
Ca 8 Zr 8	-0.95	0	3.406205
Ba 8 Y 4 Ni 4	-0.936	442.7626802	3.4134304
Sr 2 Ba 6 Ga 4 Ni 4	-0.936	584.4185483	3.4134304
Ba 8 Fe 2 Cu 6	-0.925	601.9186294	3.4191075
Ba 8 Zr 3 Zn 4 Fe 1	-0.92	361.4694343	3.421688
Sr 4 Ba 4 In 4 Ni 4	-0.915	537.4111131	3.4242685
Ba 8 Zn 6 Fe 2	-0.902	548.8275853	3.4309778
Sr 2 Ba 6 In 4 Ni 4	-0.871	512.2518303	3.4469769
Ba 8 Ga 6 Fe 2	-0.864	402.3889671	3.4505896
Ba 8 Ga 4 Ni 4	-0.86	582.4945102	3.452654
Ba 8 In 4 Ni 4	-0.815	494.4612598	3.4758785