

Supplement 2: Reaction energy profiles

All energy profiles are calculated with MP2/aug-cc-pVTZ, unless stated otherwise. Zero point energy and basis set superposition error corrections are not included in shown results.

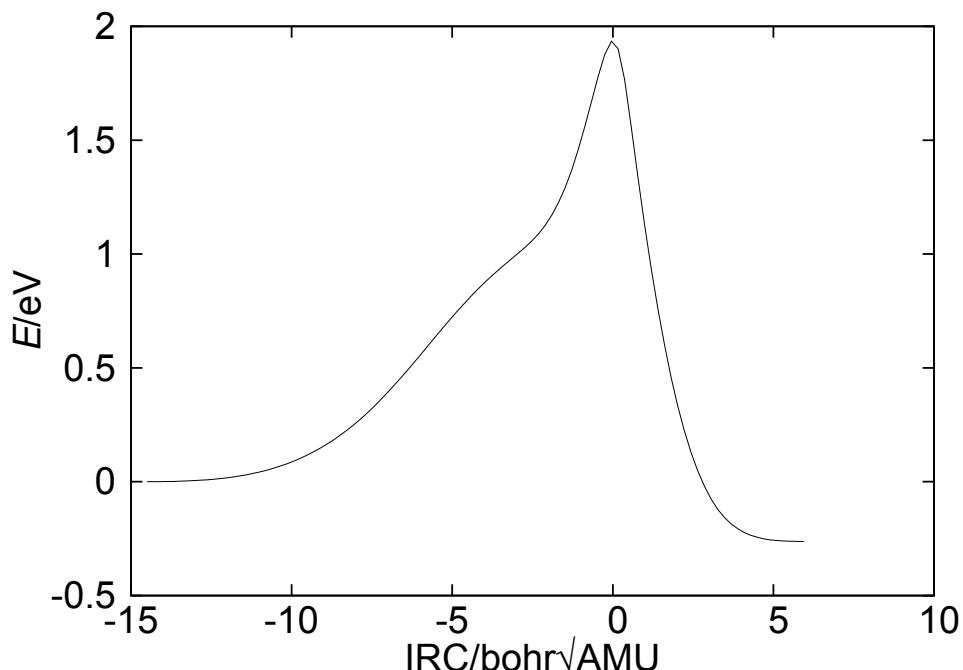
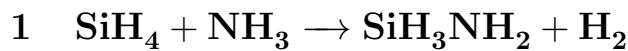


Figure 1

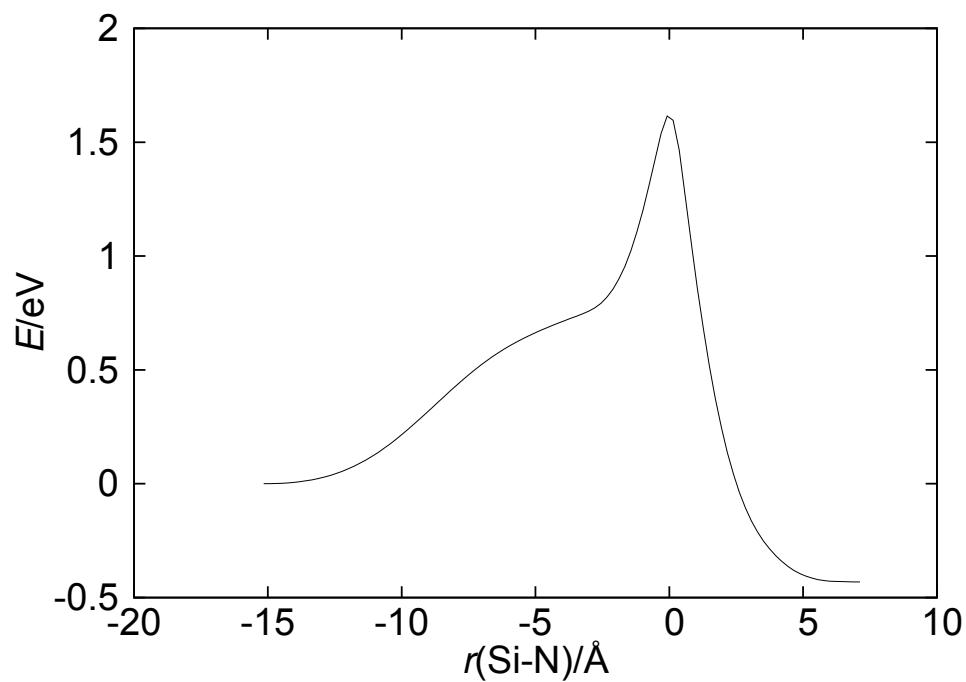
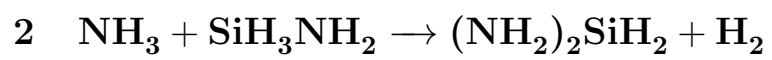


Figure 2

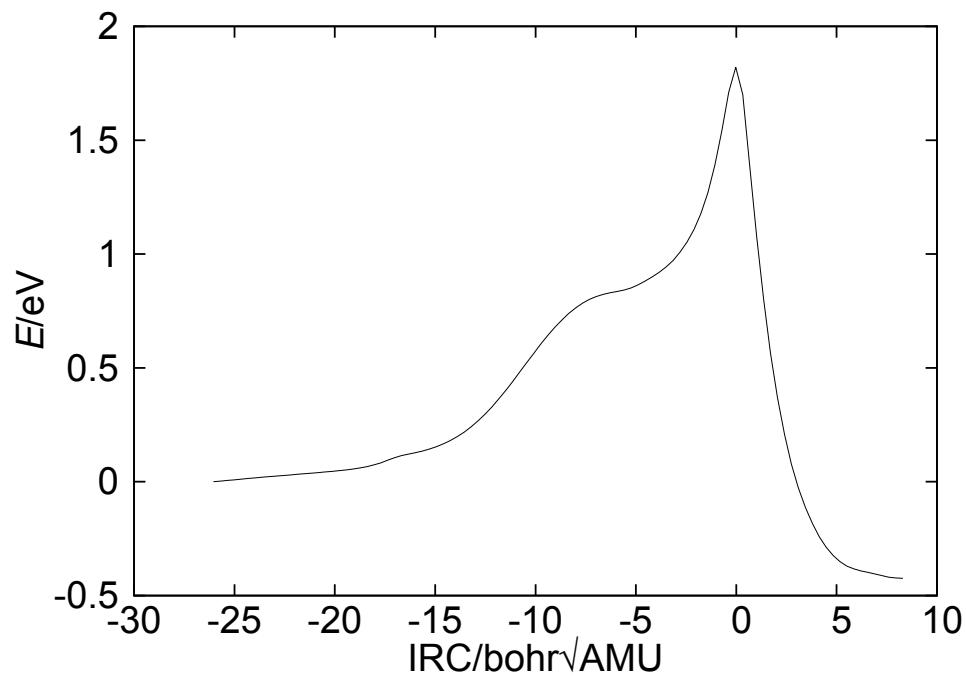


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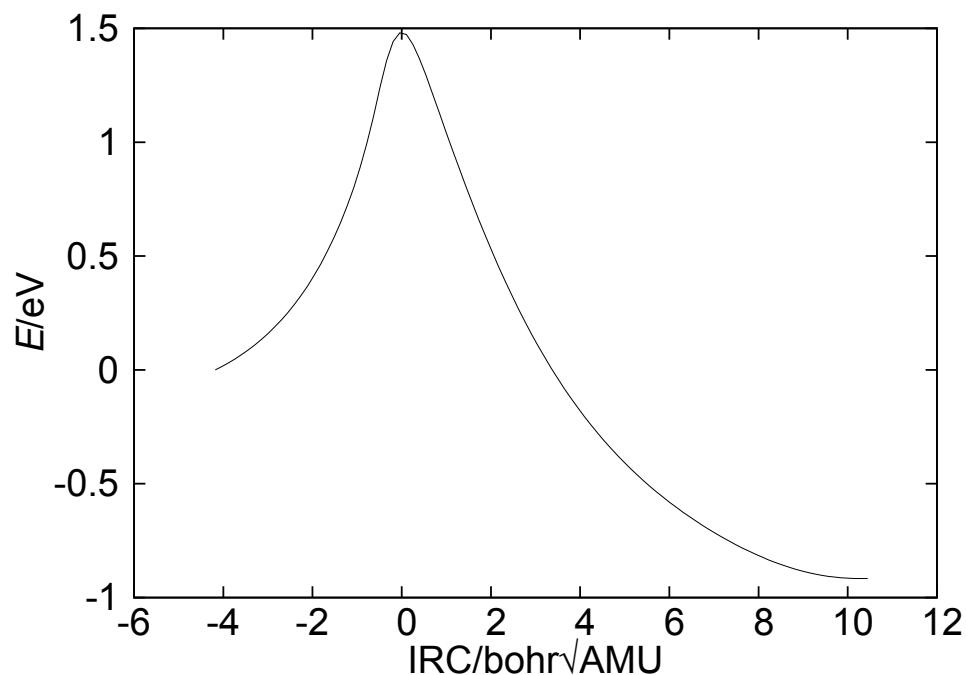


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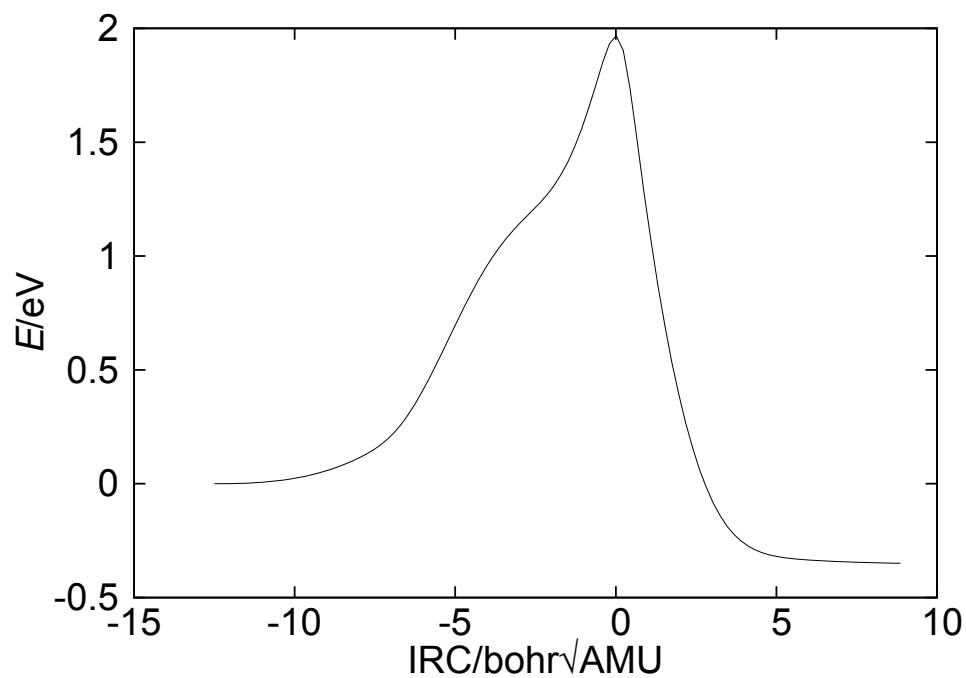
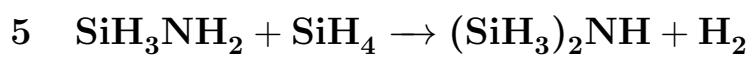


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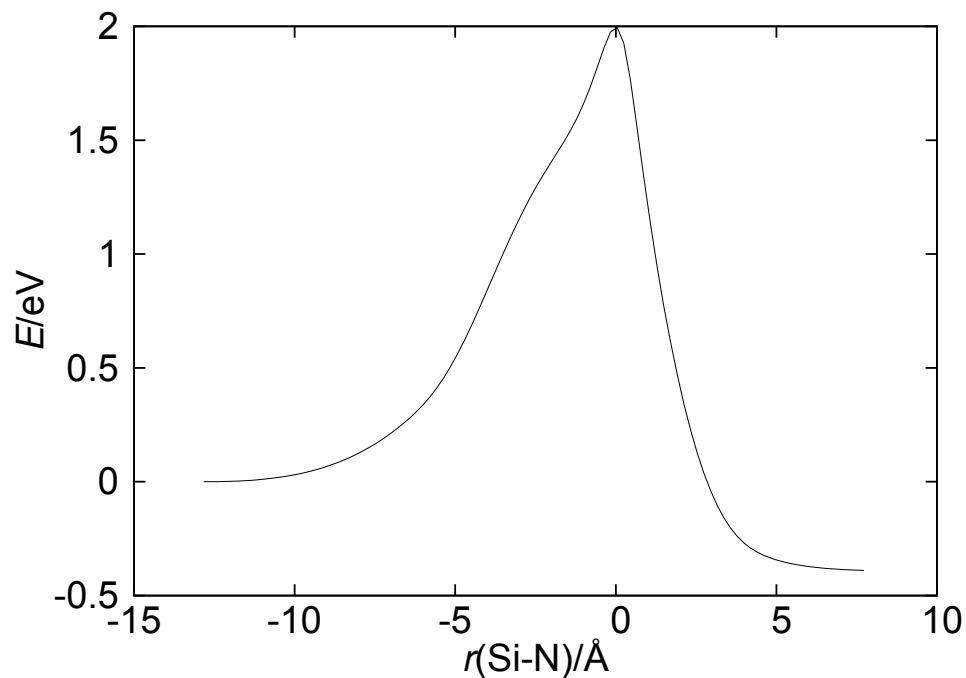


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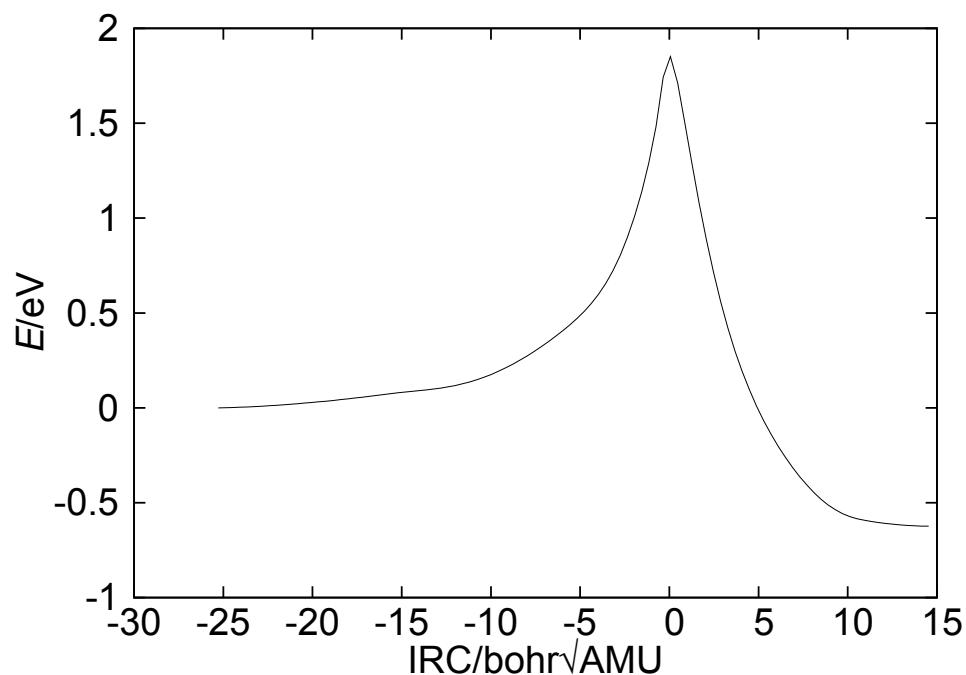
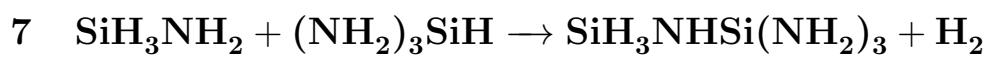


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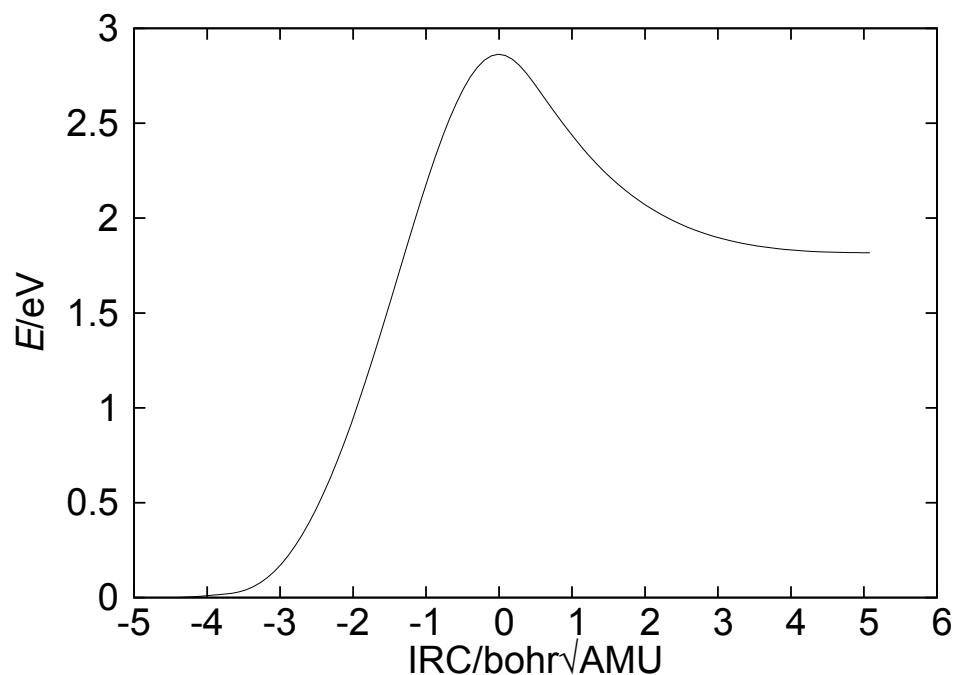
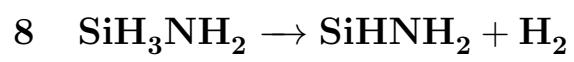


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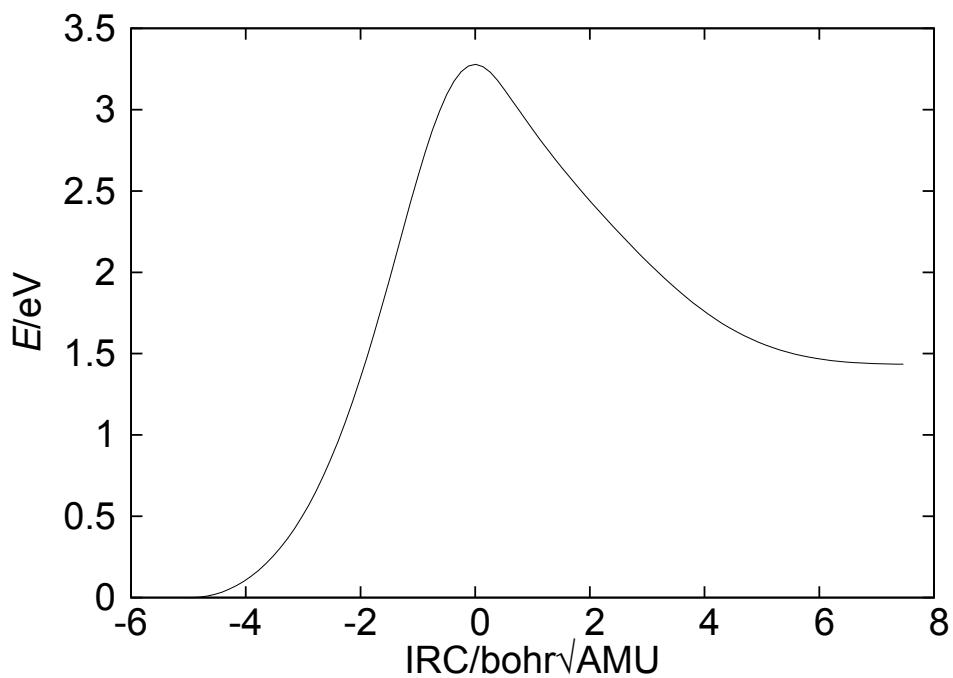
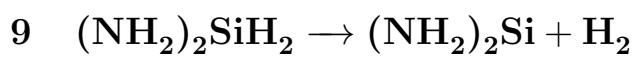


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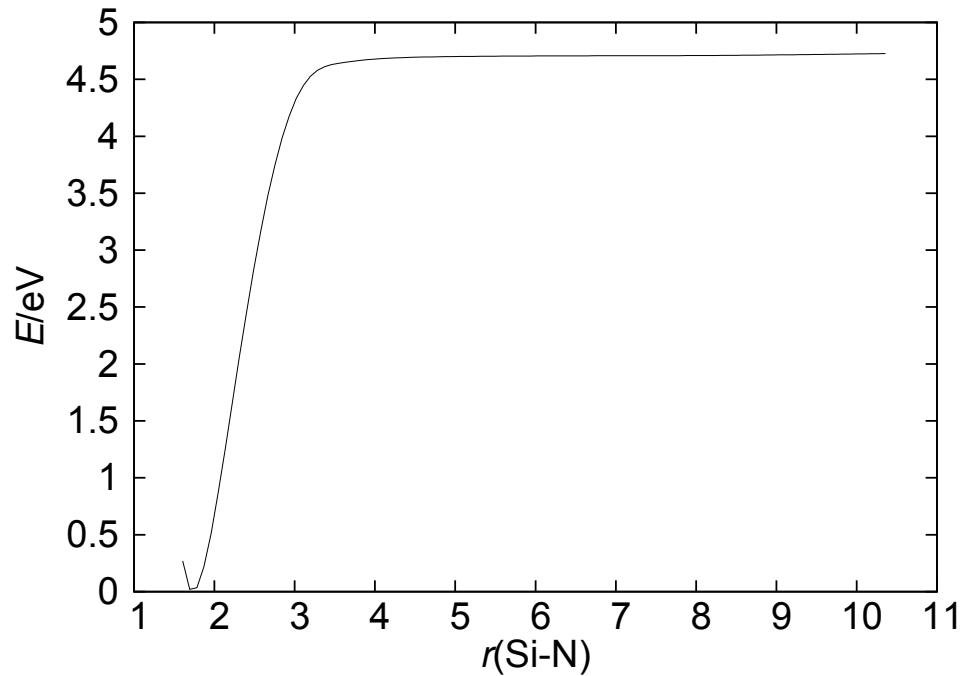
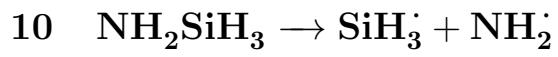


Figure 10: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

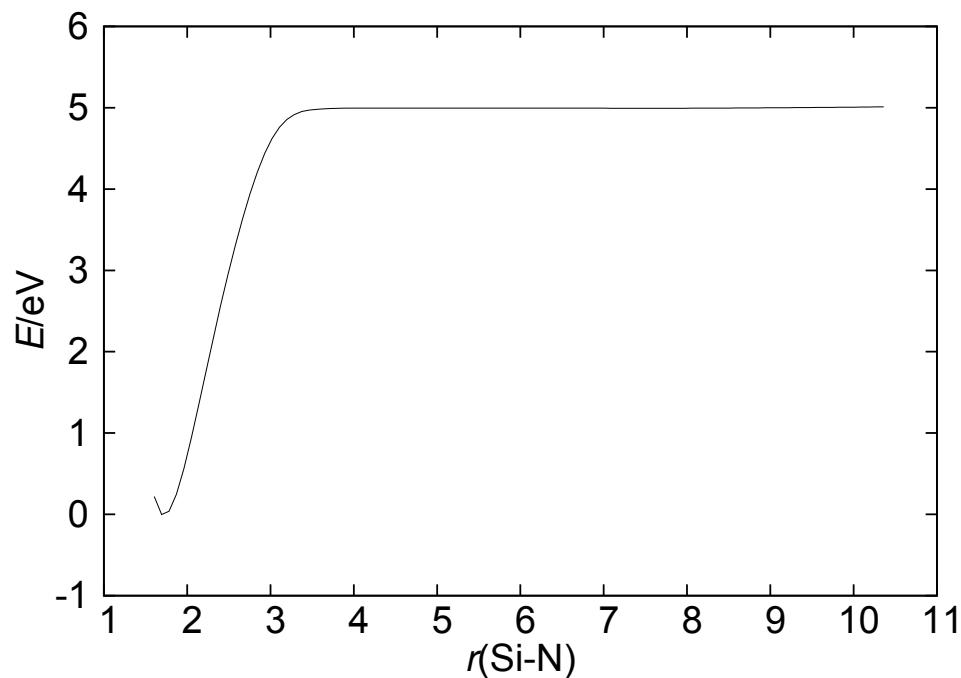
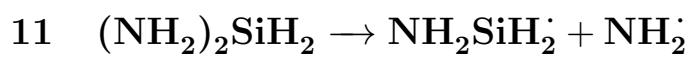


Figure 11: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

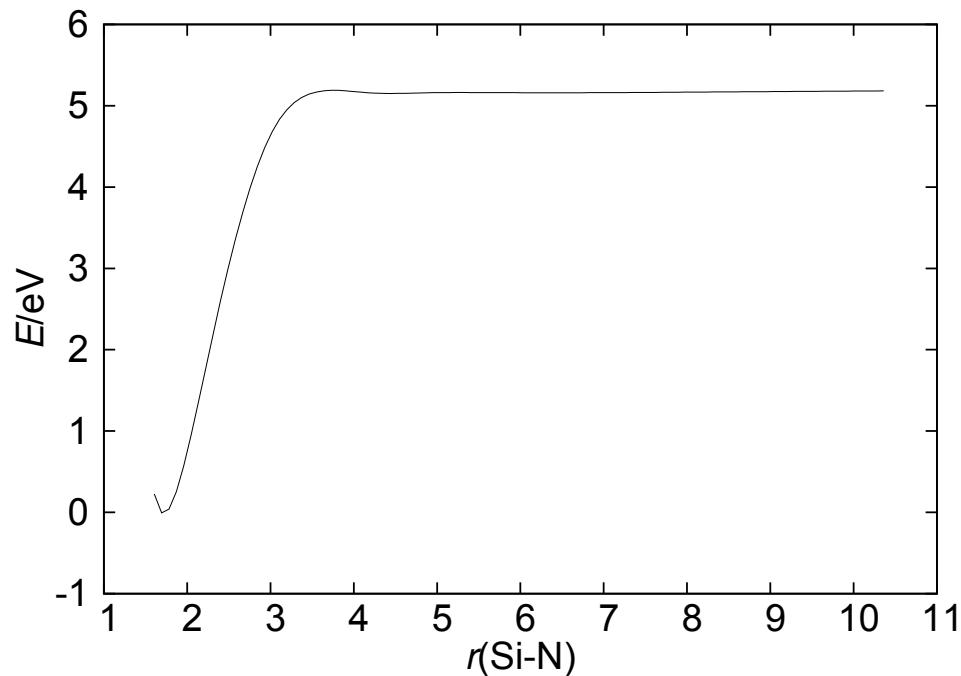
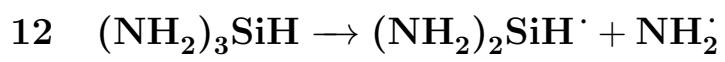


Figure 12: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

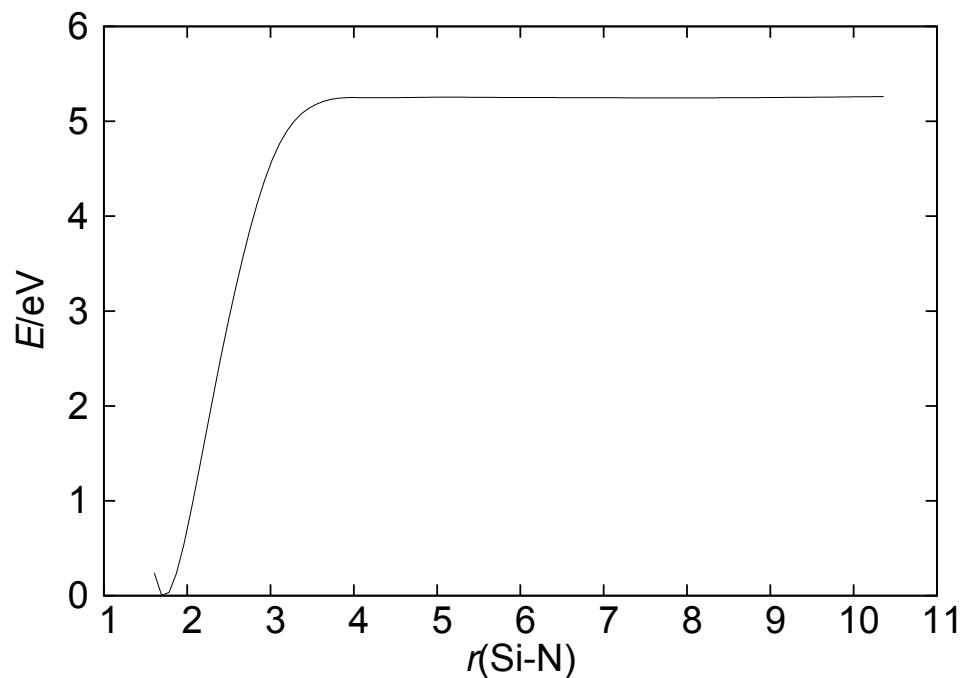
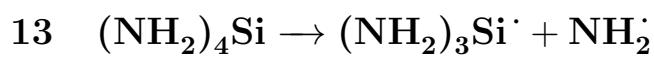


Figure 13: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

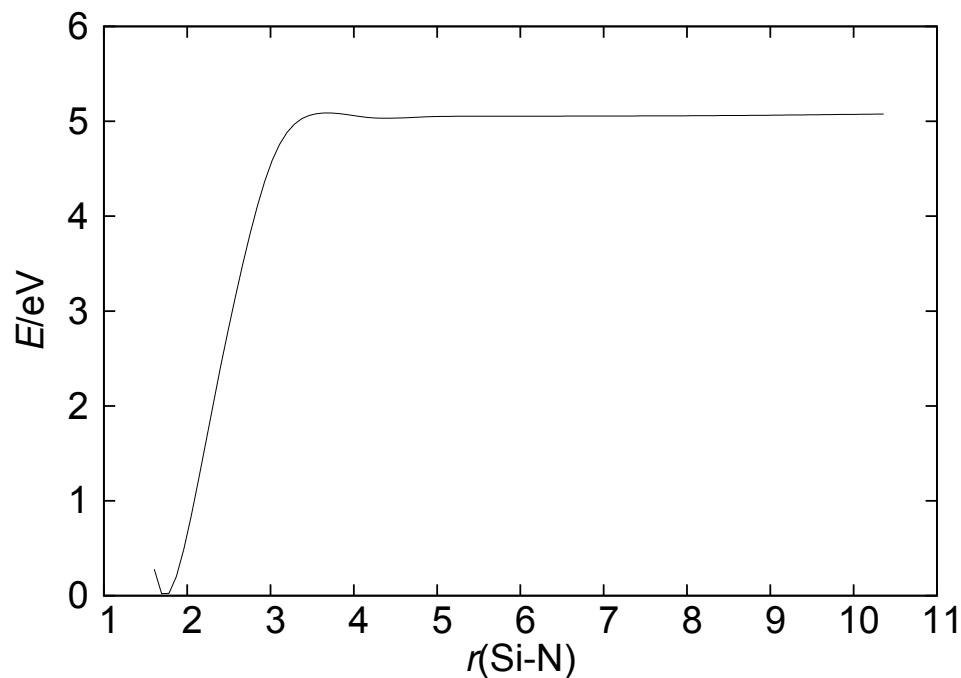
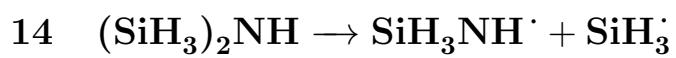


Figure 14: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

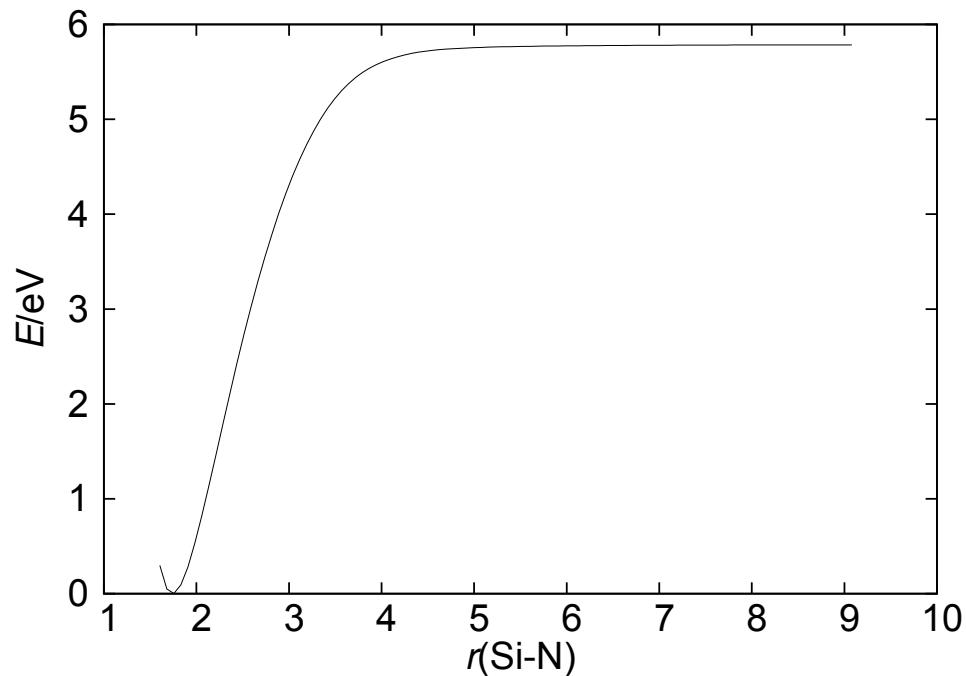
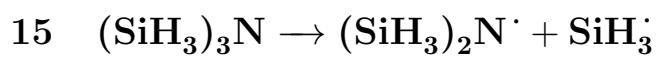


Figure 15: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

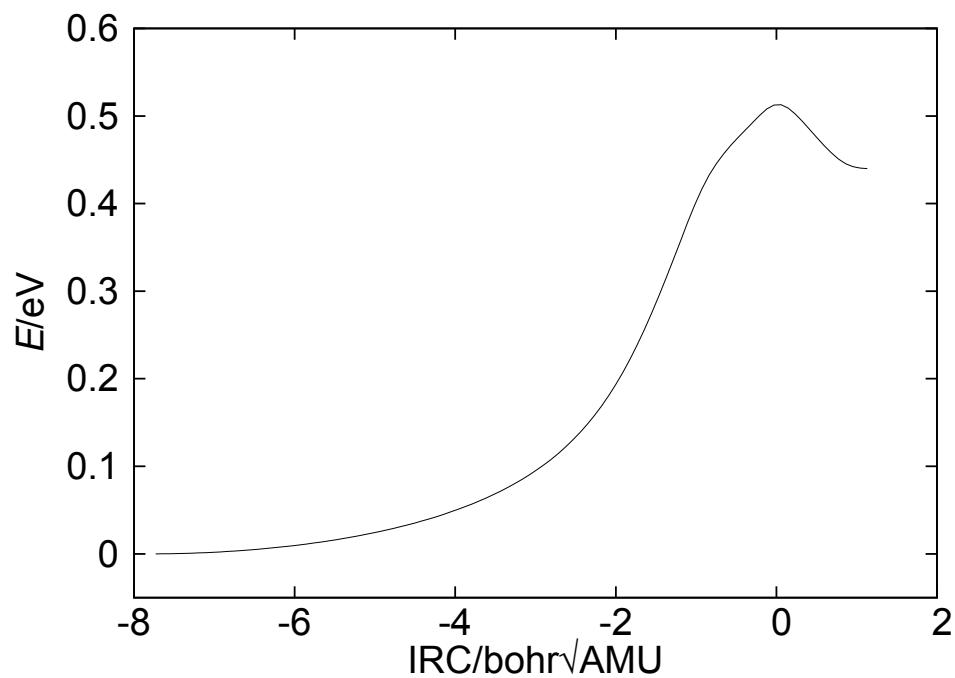


Figure 16

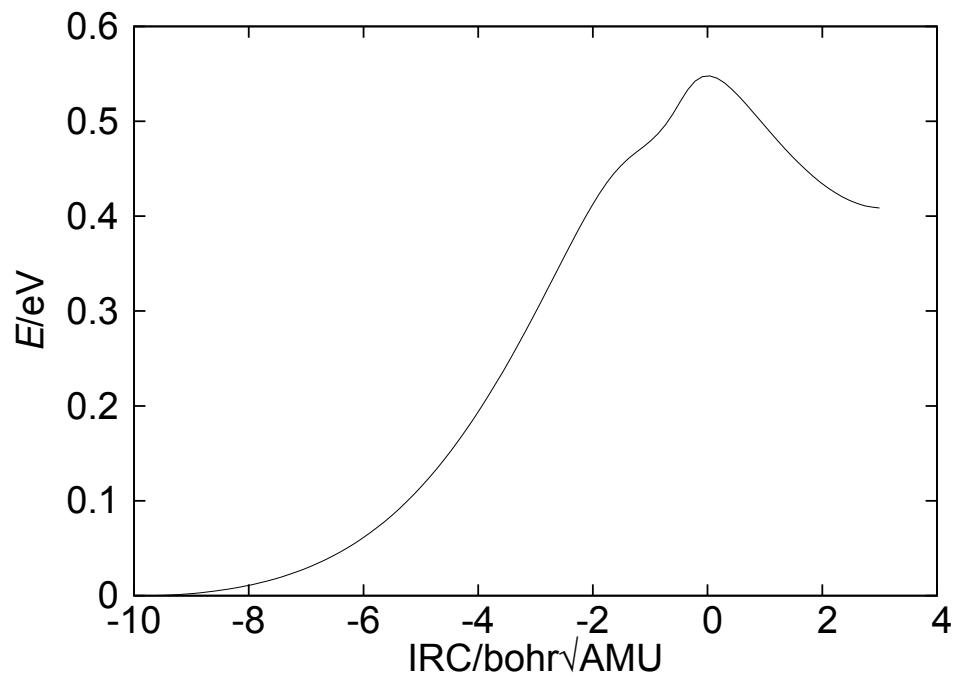


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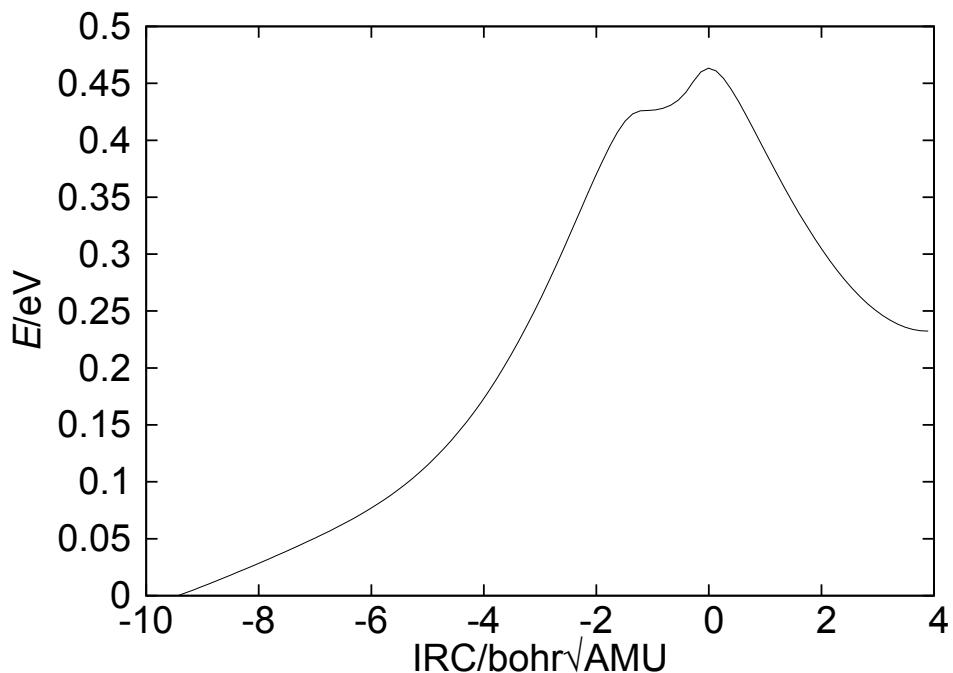


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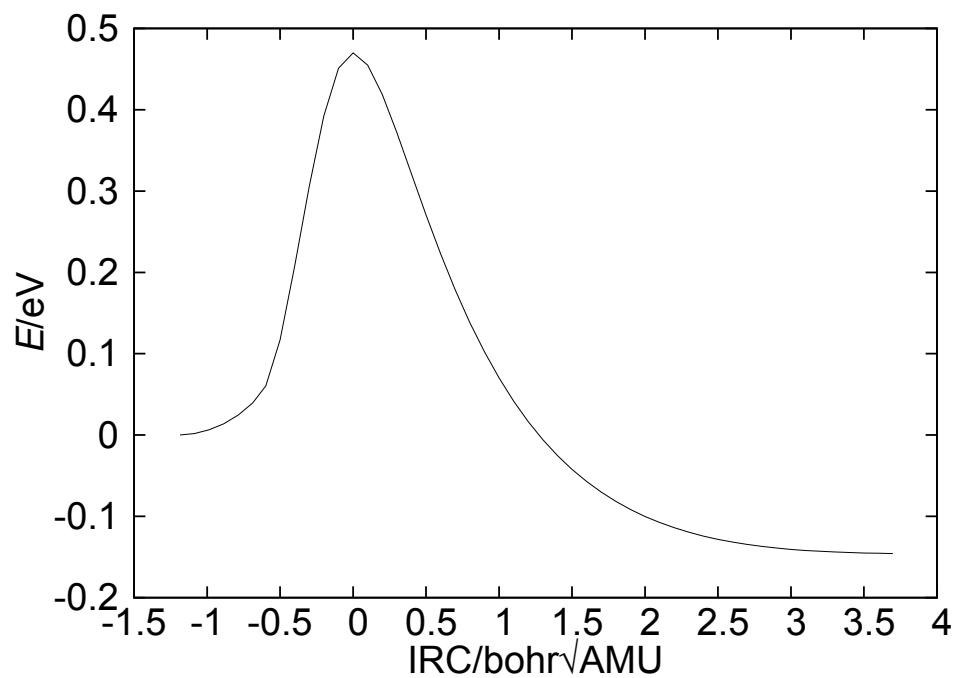
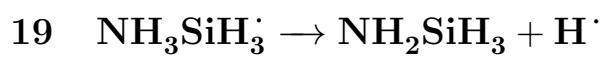


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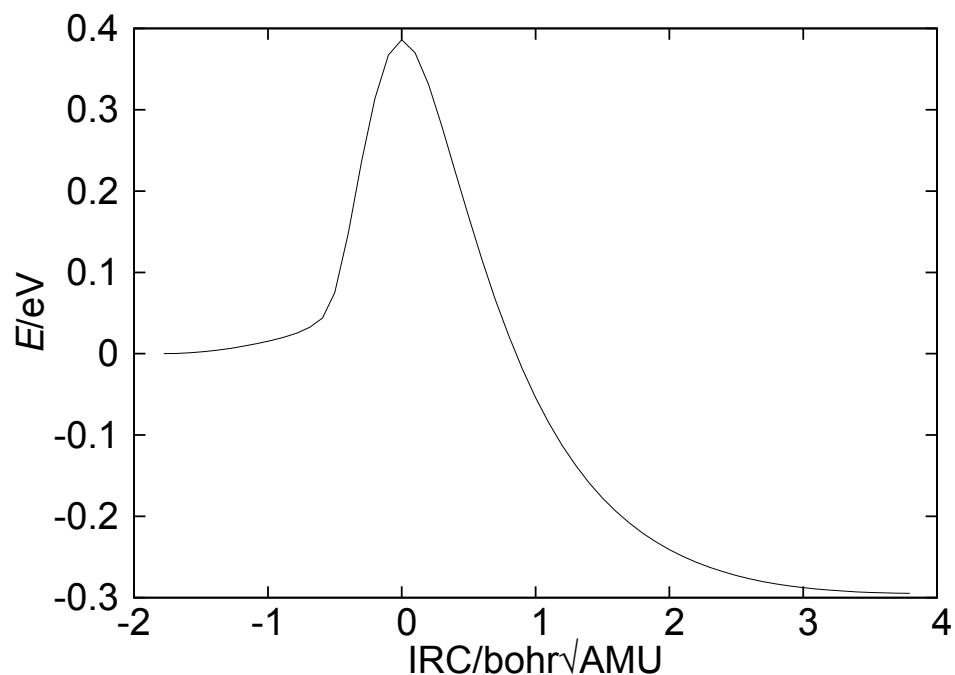
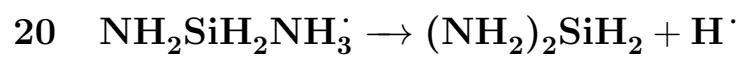


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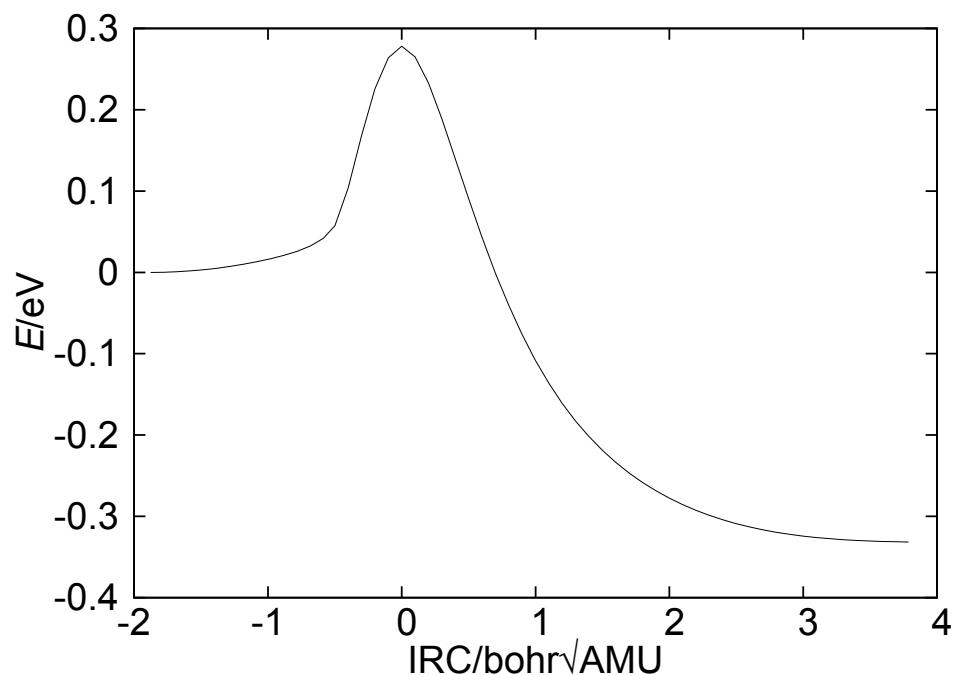
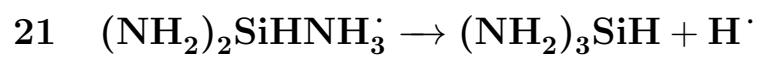


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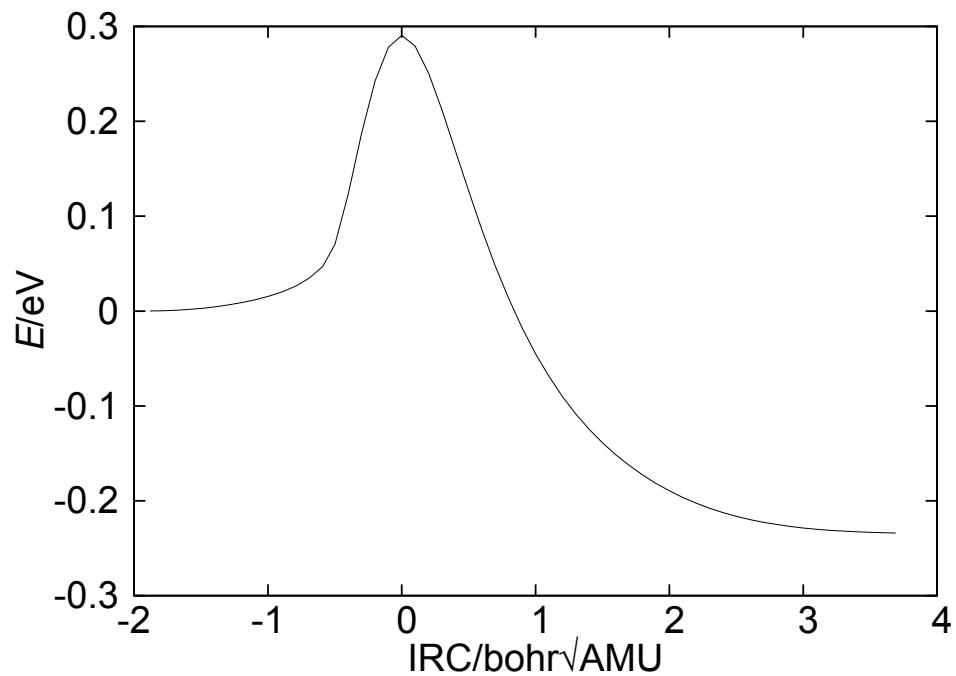
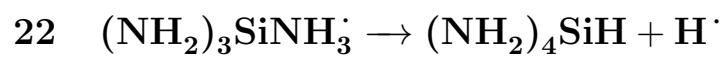


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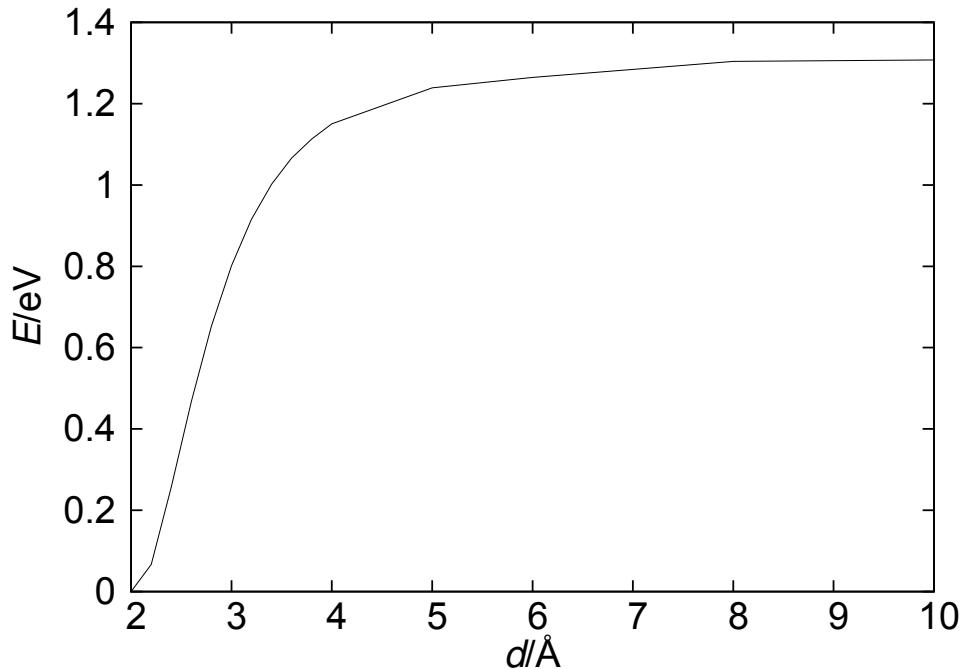
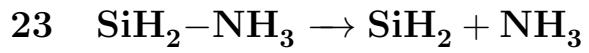


Figure 23: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

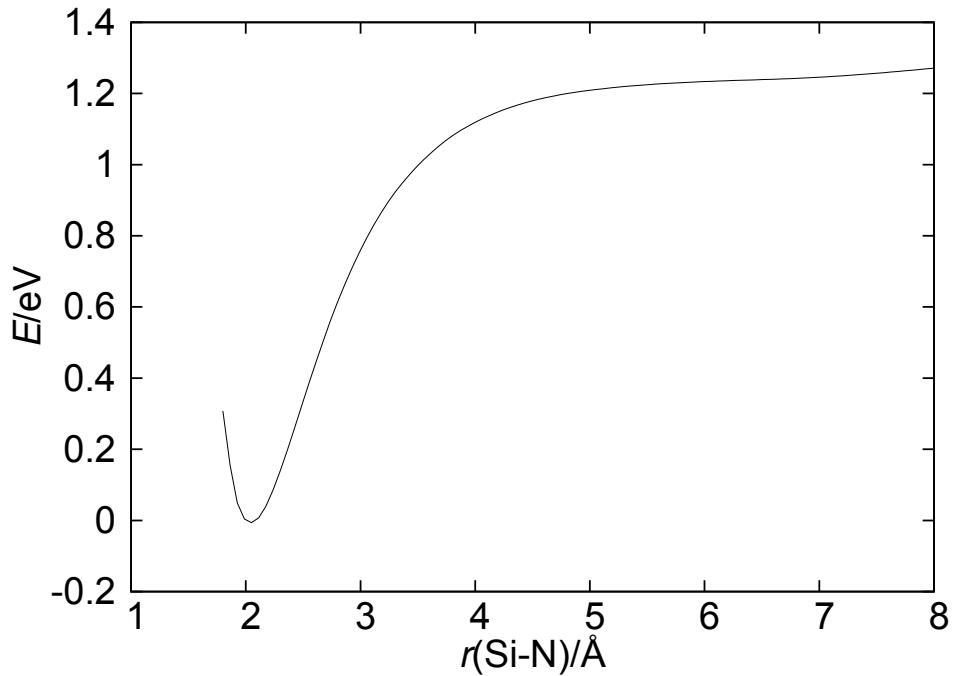
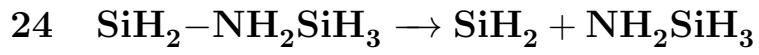


Figure 24: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

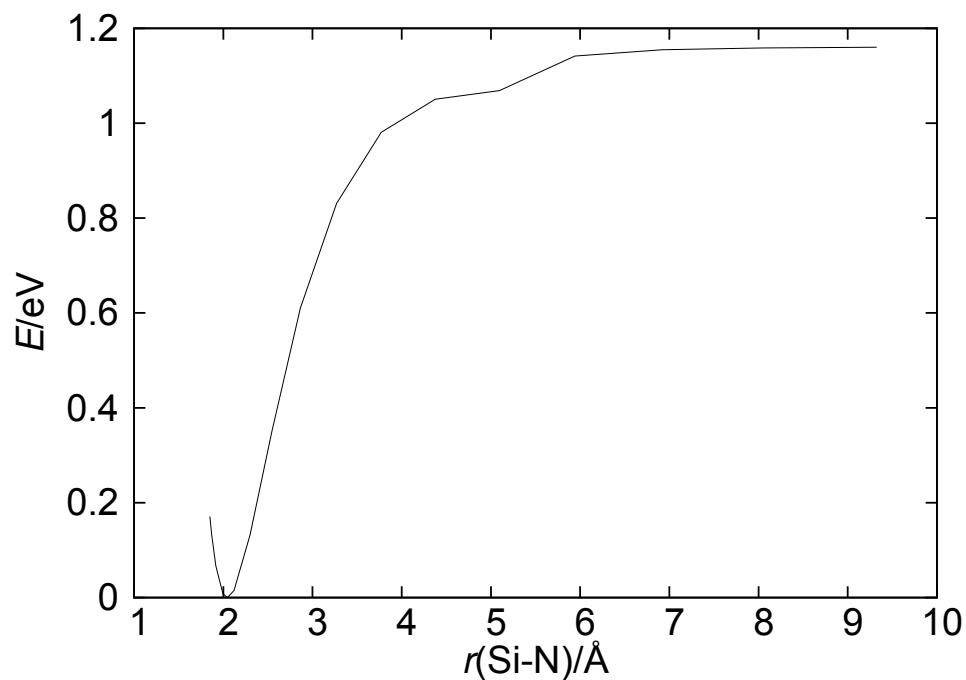
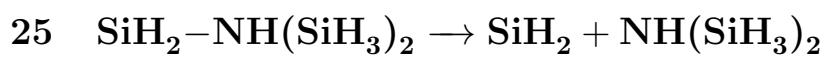


Figure 25: Energies are calculated with CASPT2/aug-cc-PVTZ with the active space: (10,10).

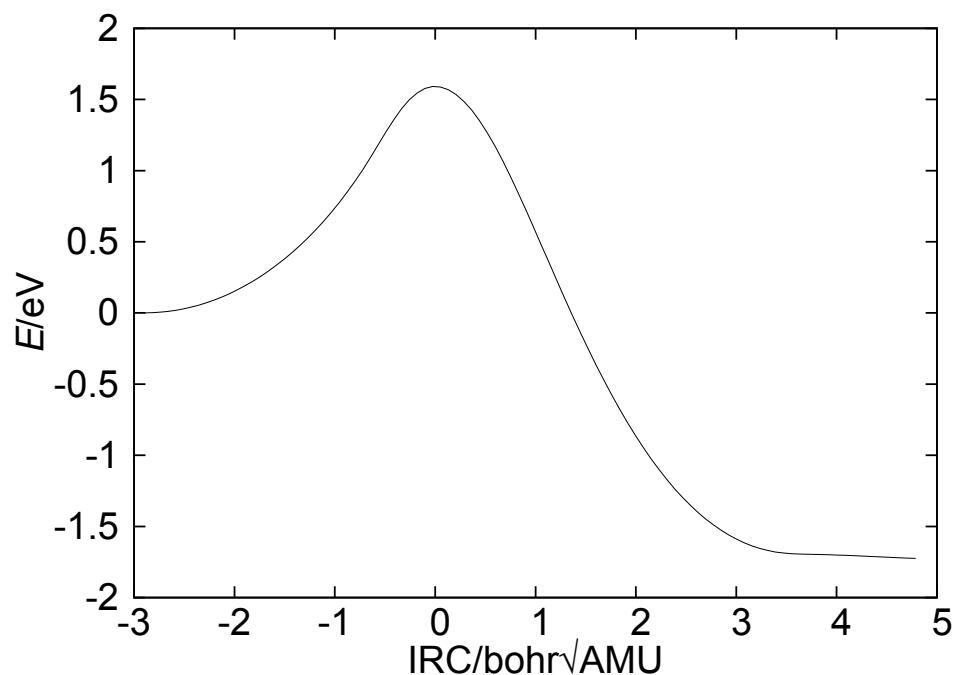


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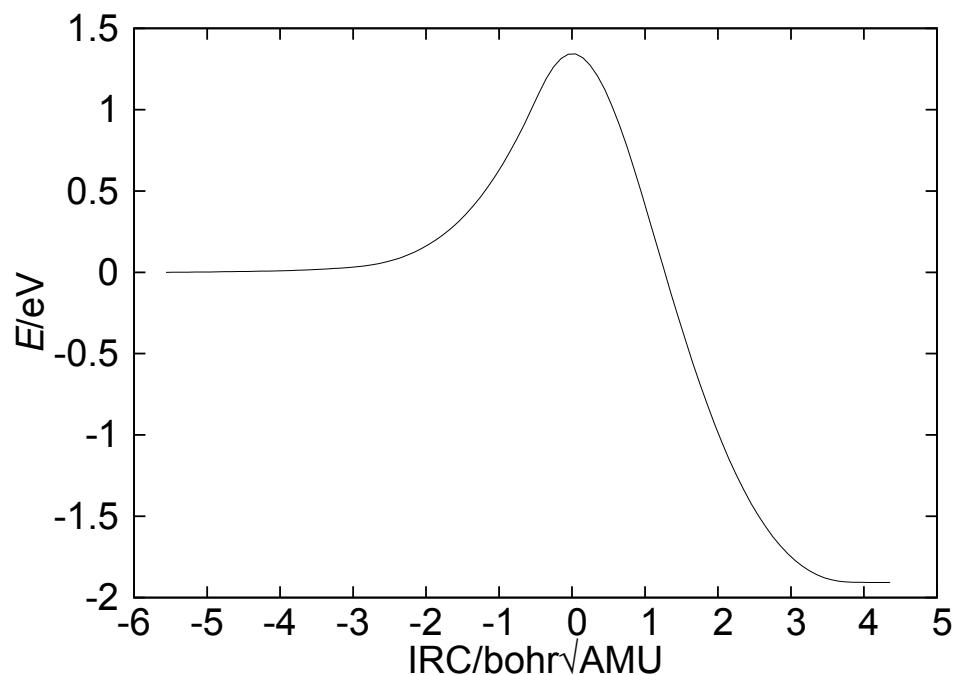


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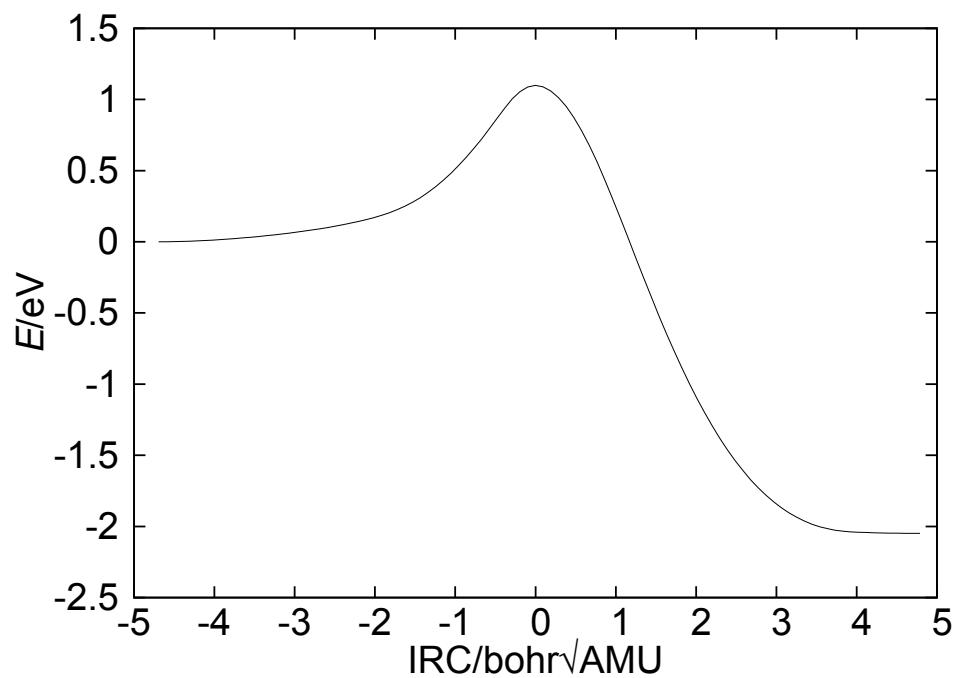


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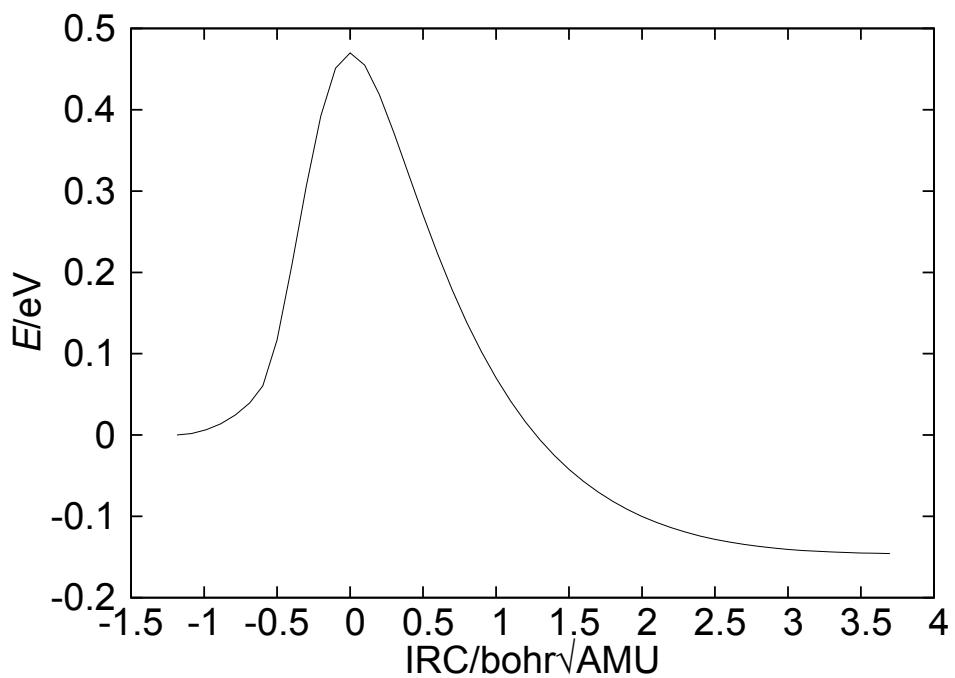
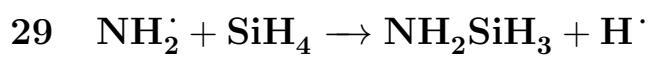


Figure 29

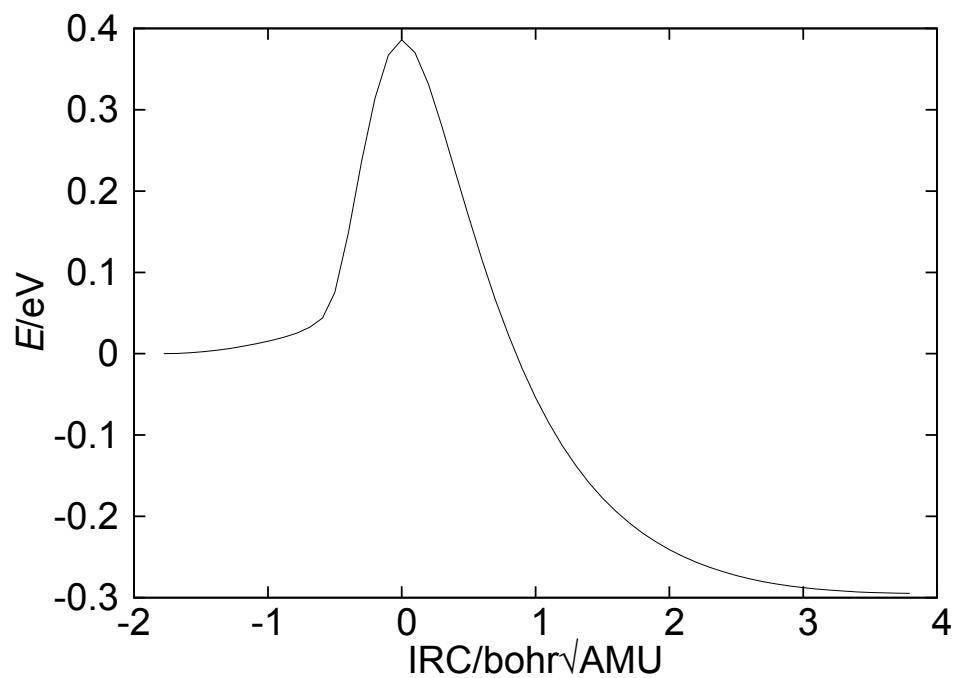
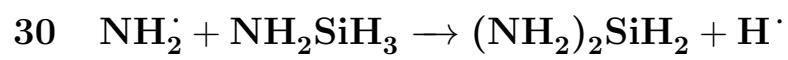


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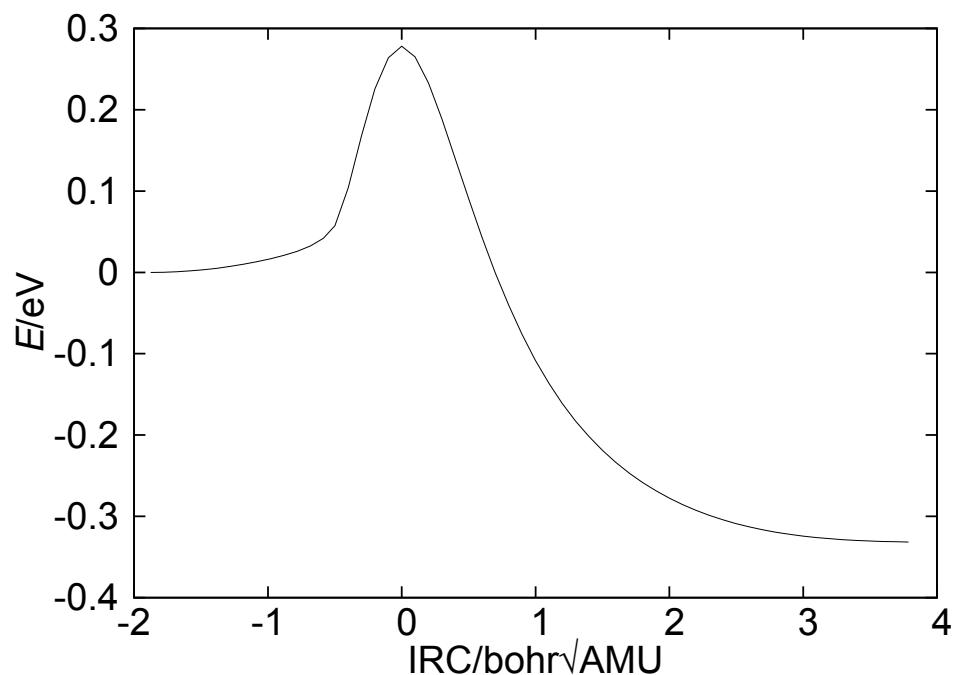


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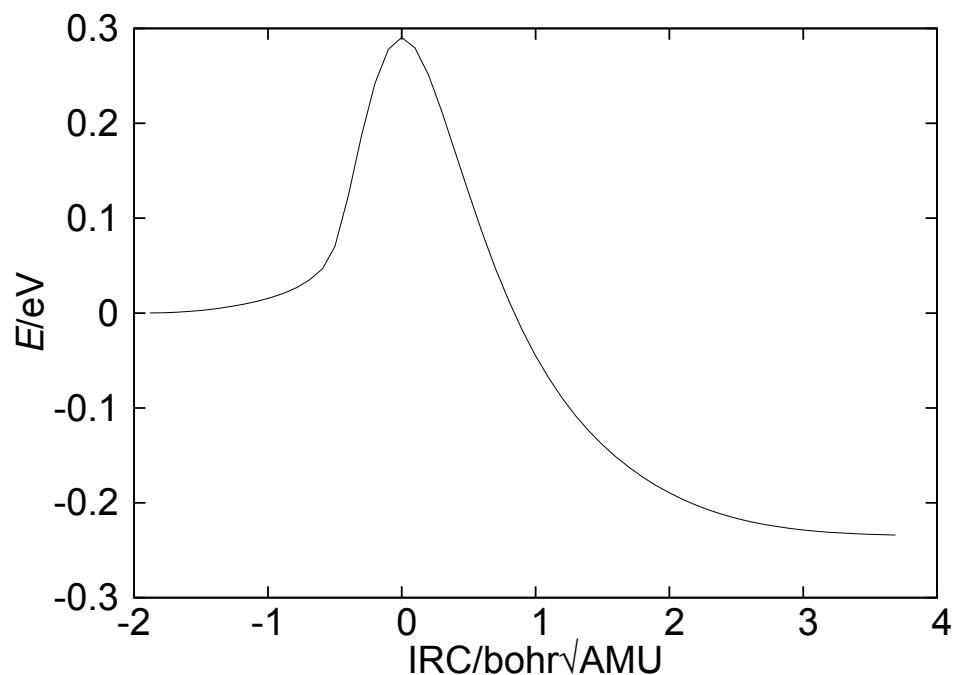


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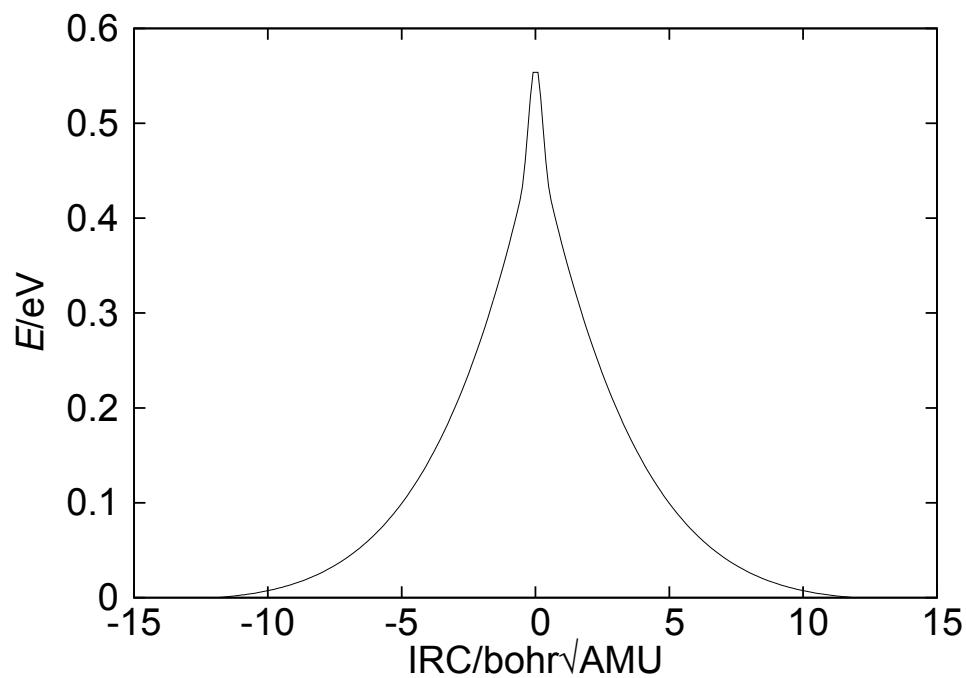
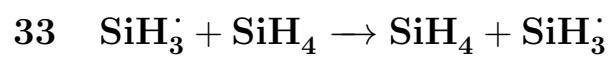


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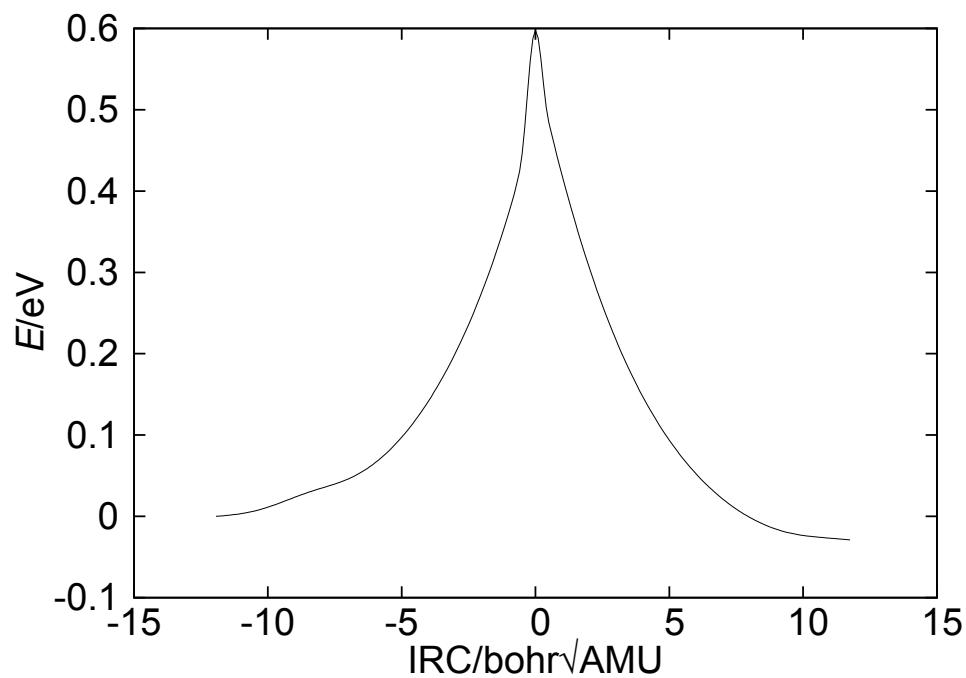
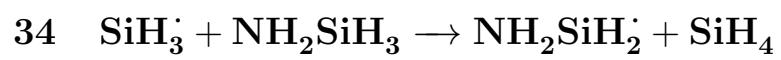


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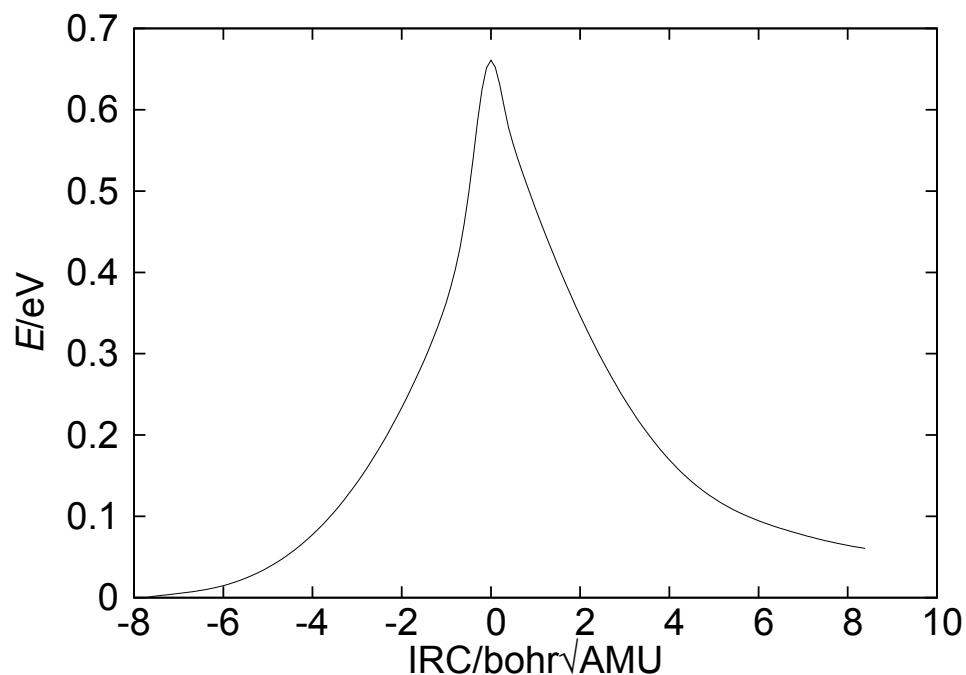
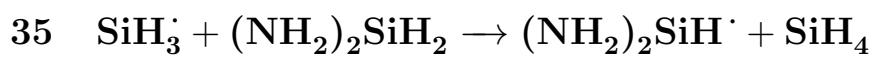


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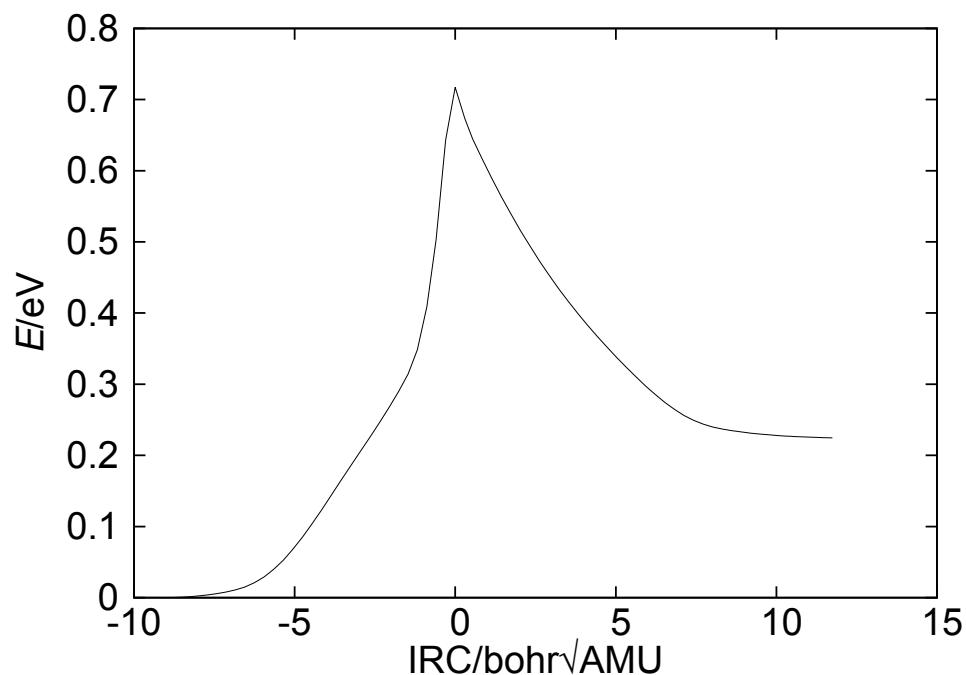


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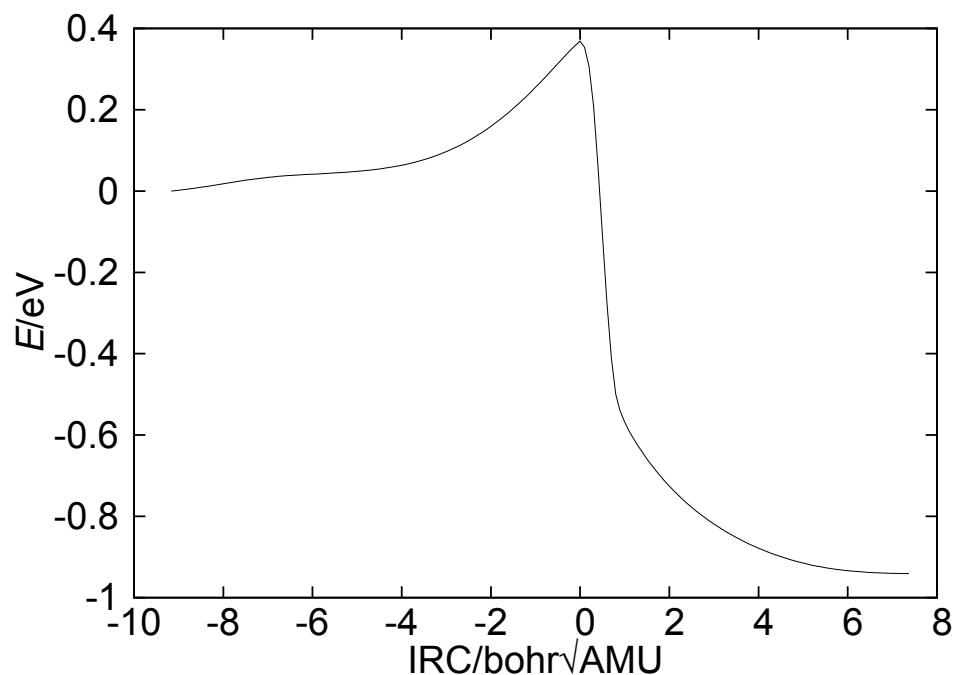
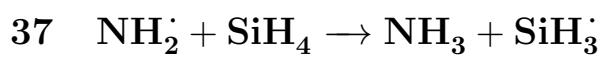


Figure 37

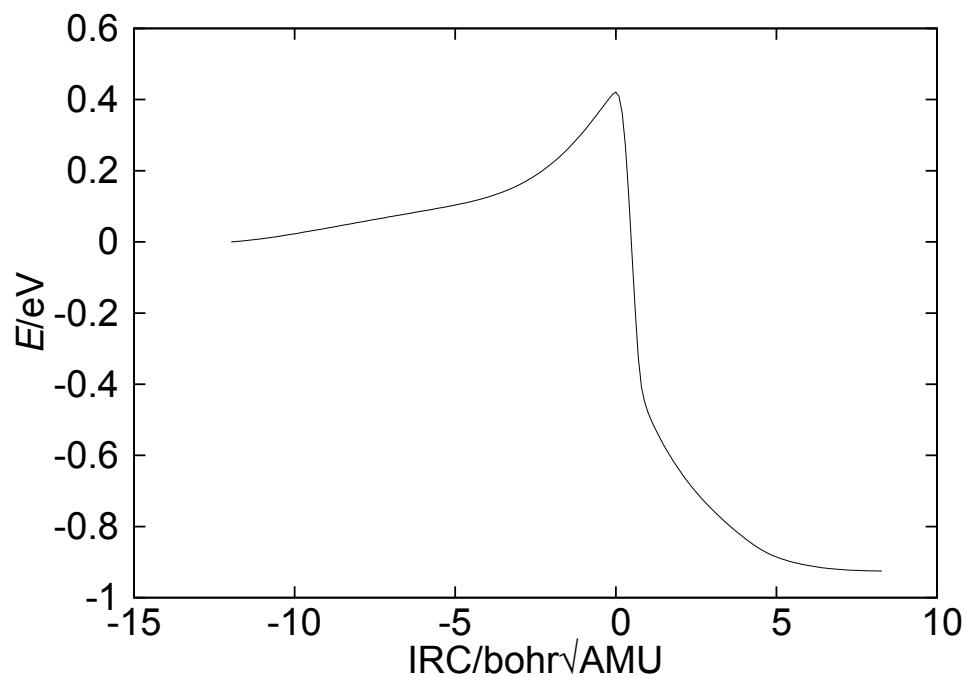
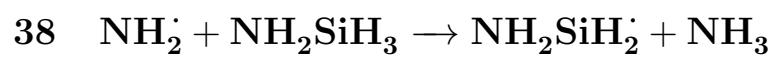


Figure 38

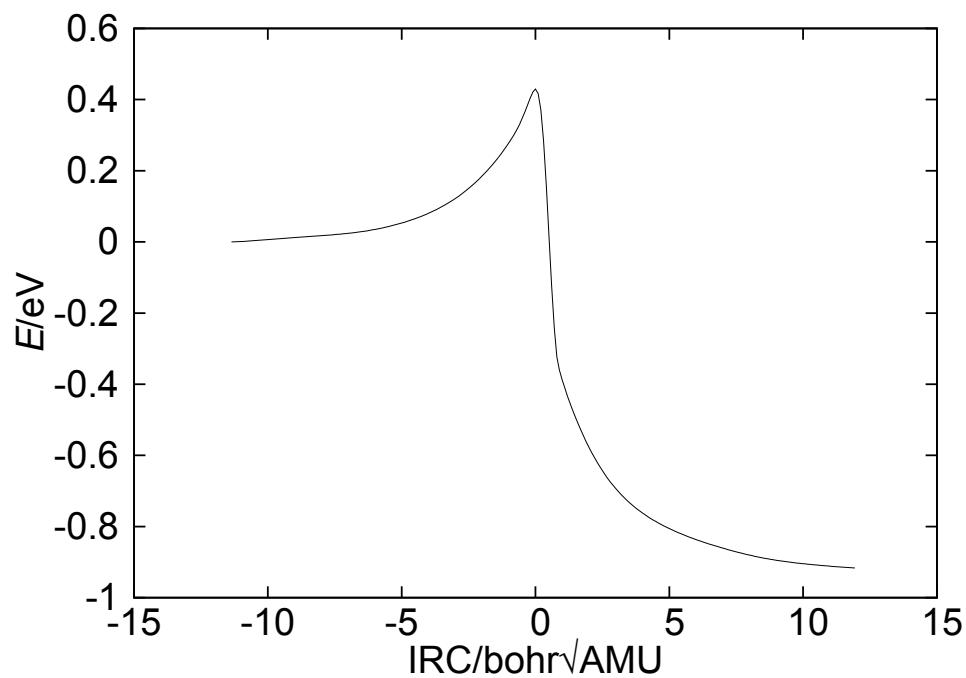
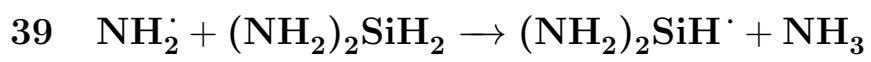


Figure 39

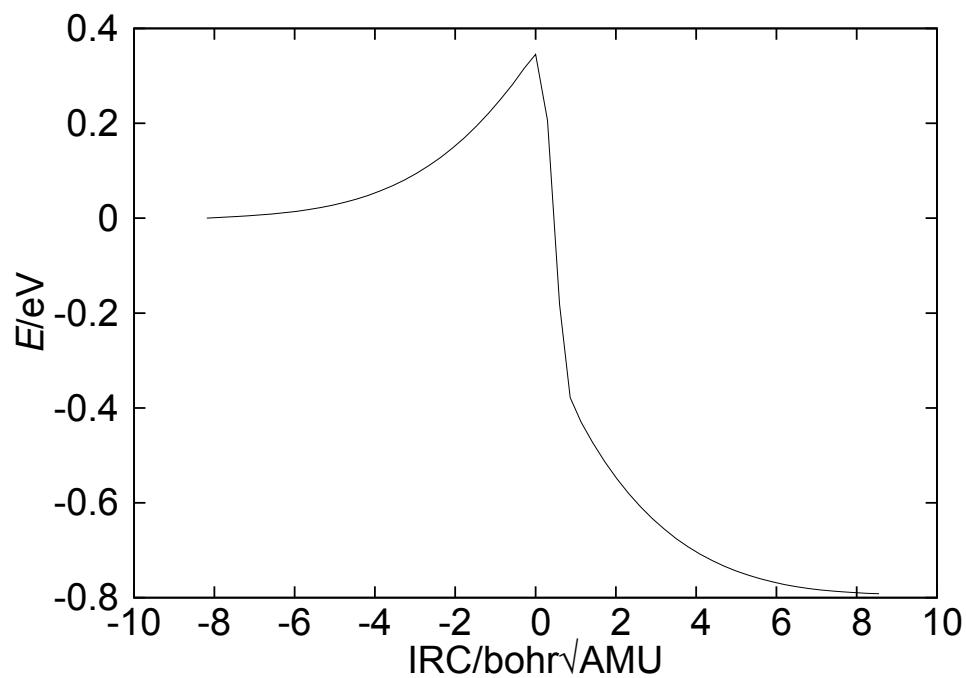


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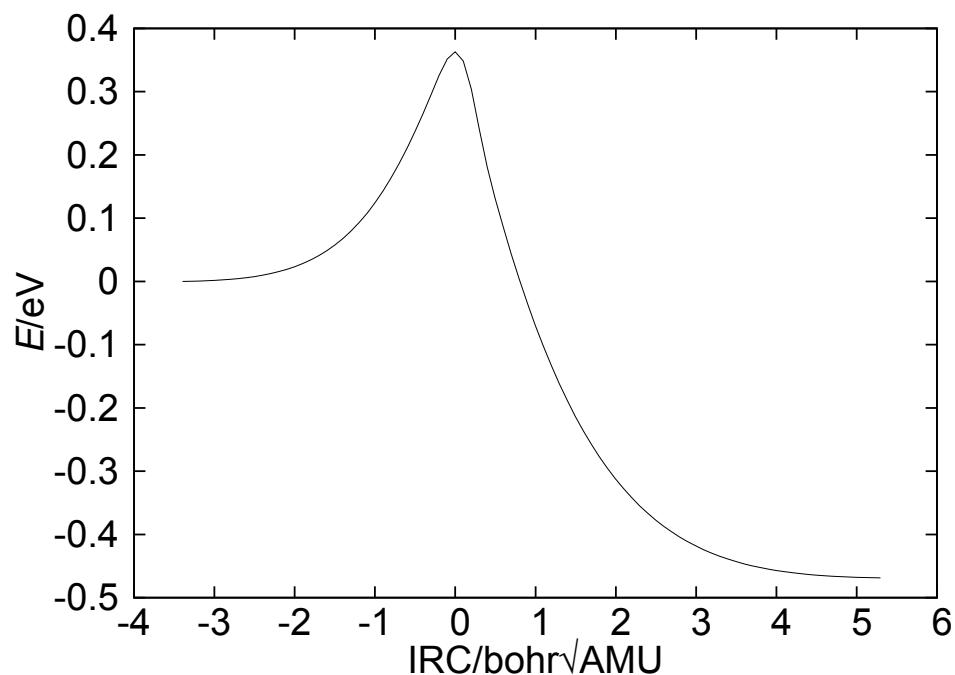
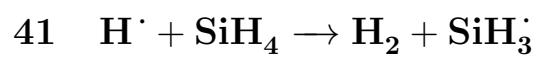


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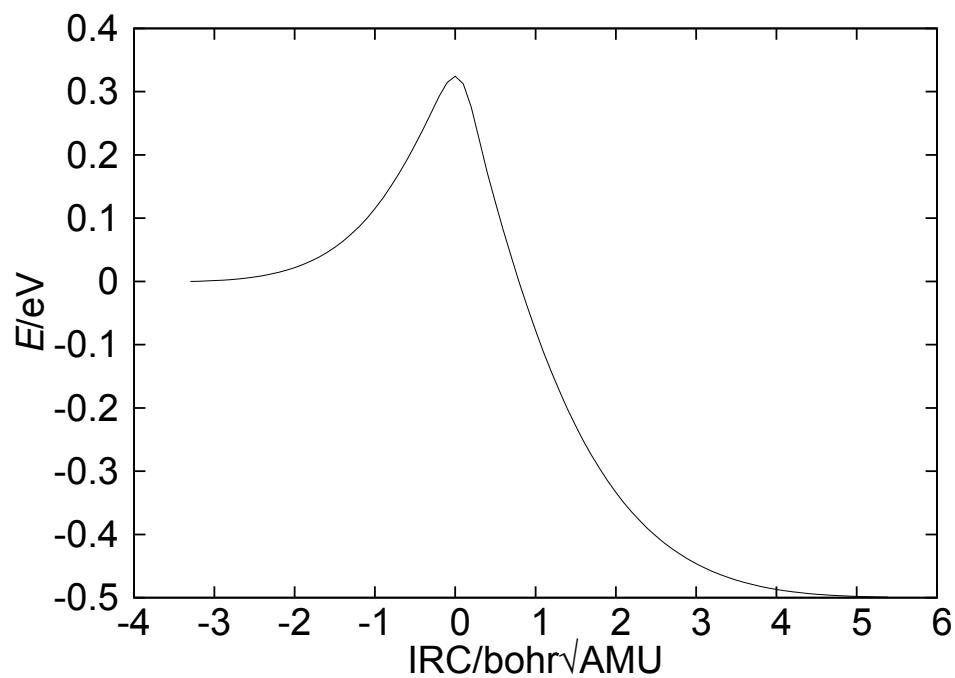
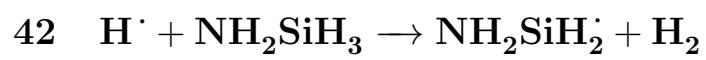


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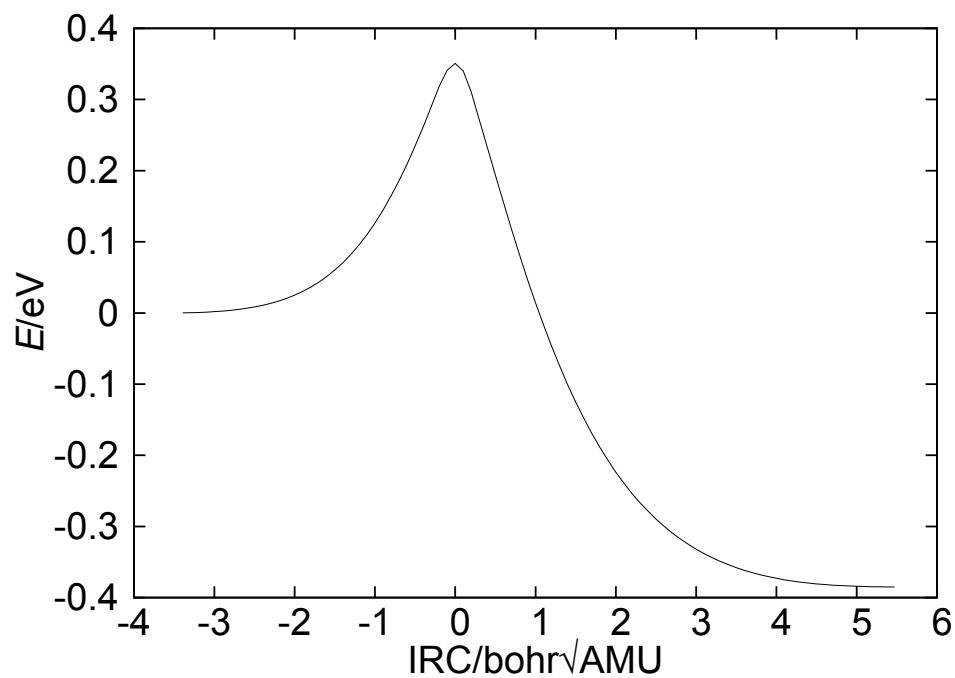
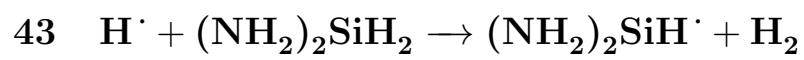


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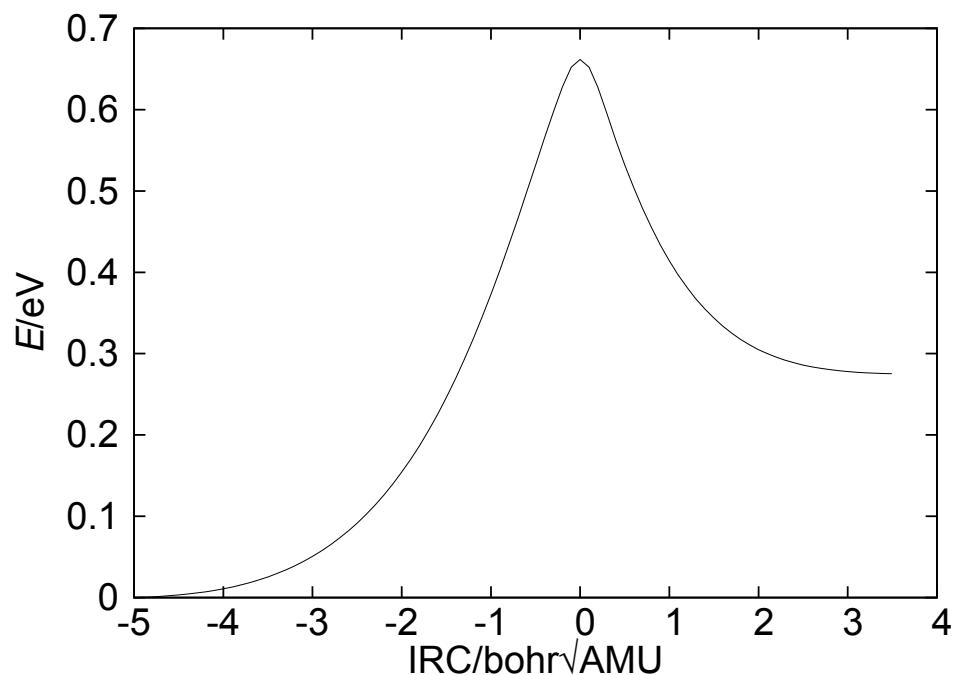


Figure 44