

Bohr Hamiltonian Calculations for the Nd Isotopic Chain

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Nd Isotopic Chain Analysis

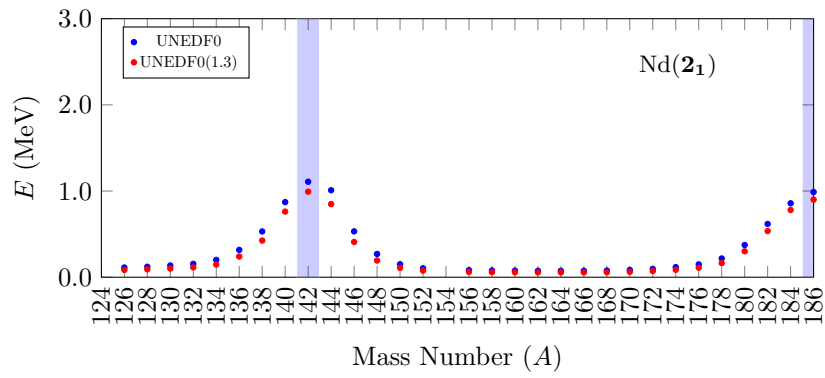


Figure 1: Bohr Hamiltonian calculations for the 2_1 states of the Nd isotopic chain with the UNEDF0 functional.

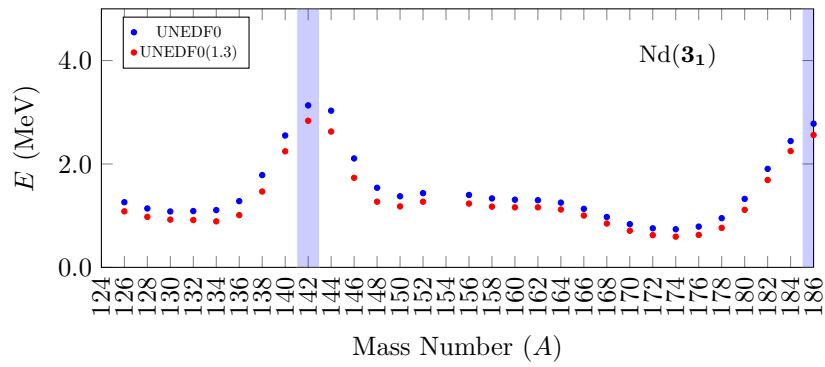


Figure 2: Bohr Hamiltonian calculations for the 3_1 states of the Nd isotopic chain with the UNEDF0 functional.

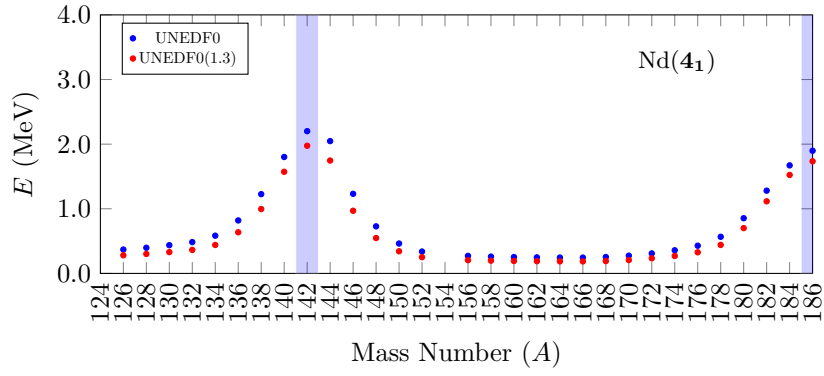


Figure 3: Bohr Hamiltonian calculations for the 4_1 states of the Nd isotopic chain with the UNEDF0 functional.

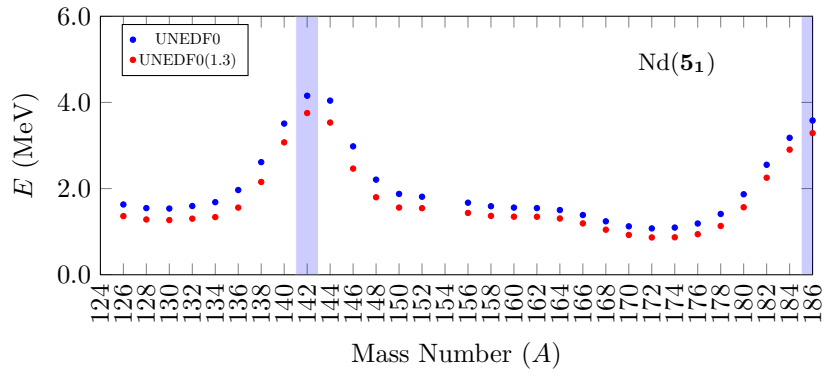


Figure 4: Bohr Hamiltonian calculations for the 5_1 states of the Nd isotopic chain with the UNEDF0 functional.

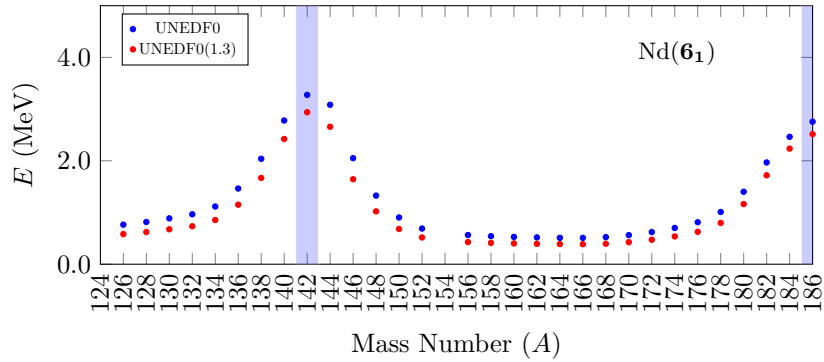


Figure 5: Bohr Hamiltonian calculations for the 6_1 states of the Nd isotopic chain with the UNEDF0 functional.

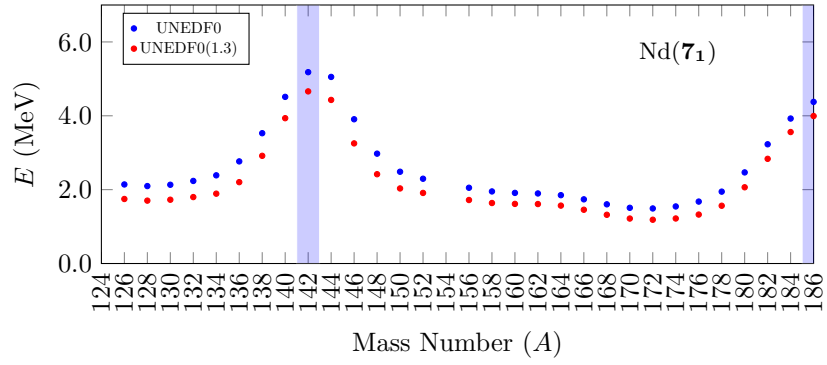


Figure 6: Bohr Hamiltonian calculations for the 7_1 states of the Nd isotopic chain with the UNEDF0 functional.

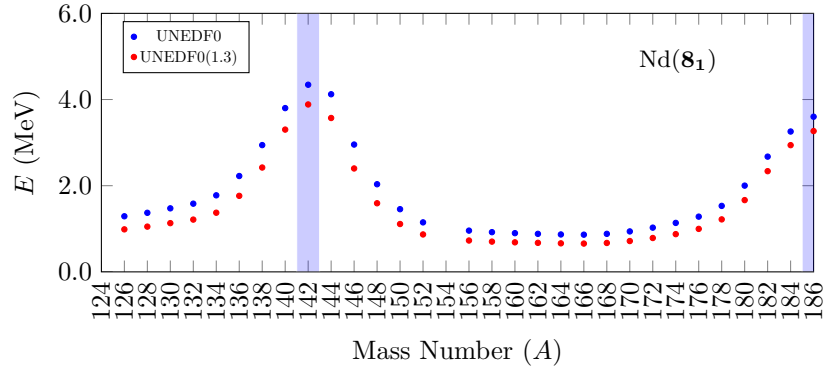


Figure 7: Bohr Hamiltonian calculations for the 8_1 states of the Nd isotopic chain with the UNEDF0 functional.

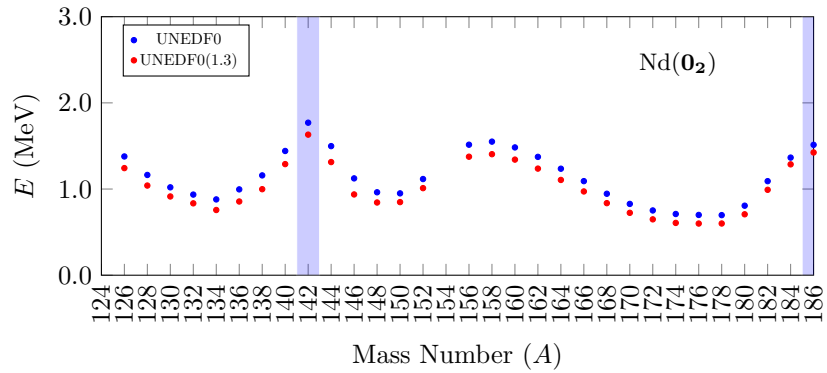
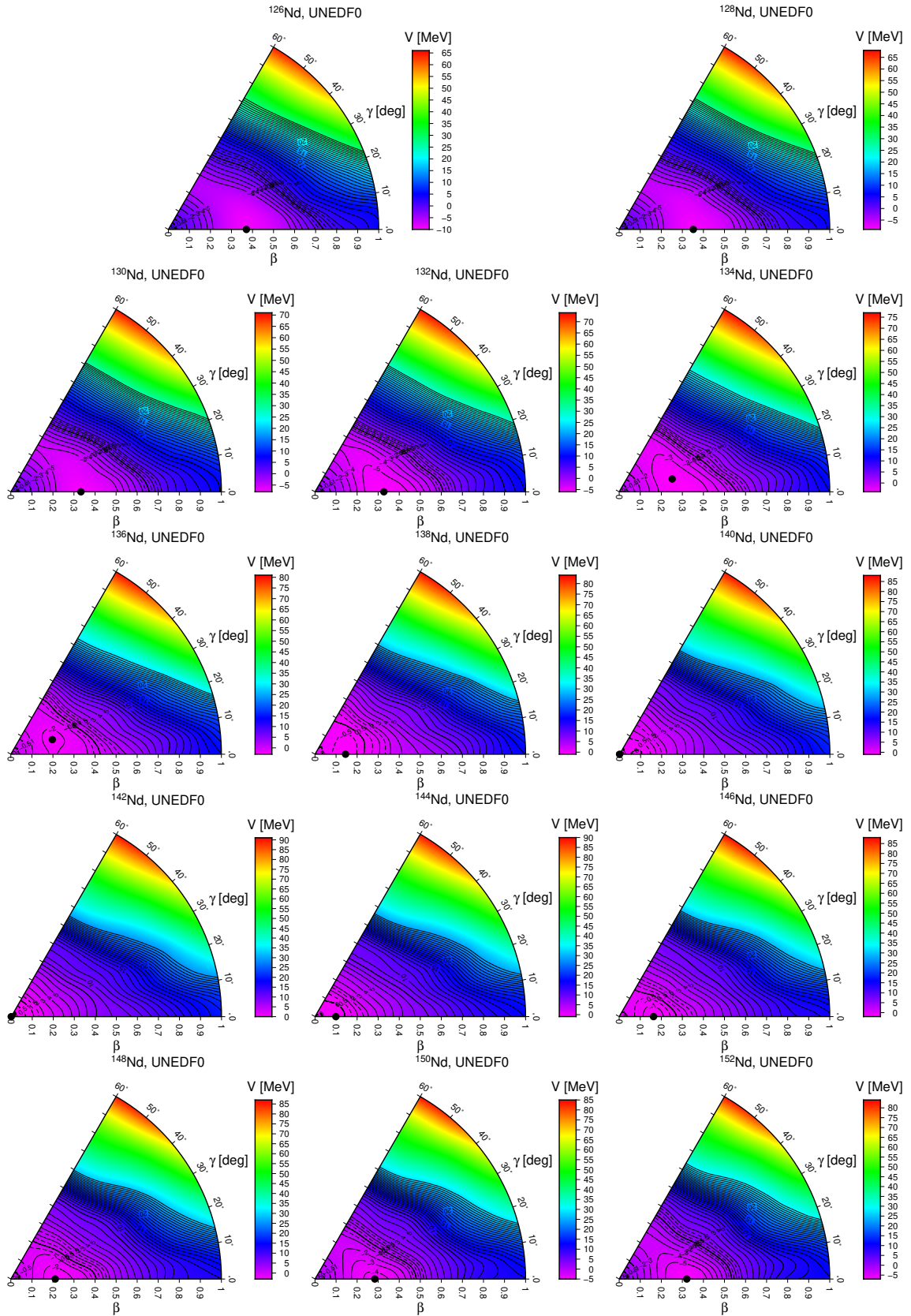
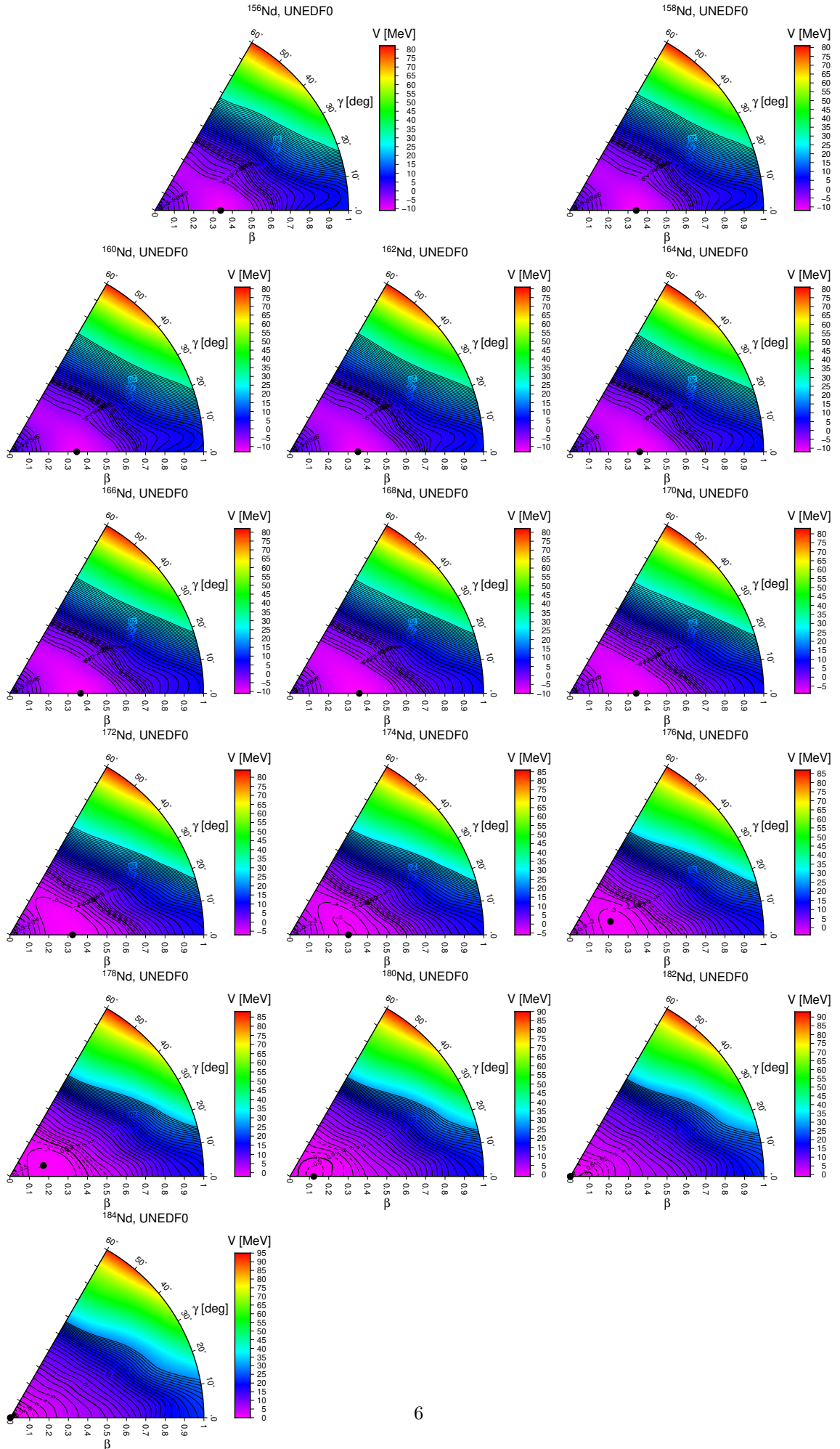


Figure 8: Bohr Hamiltonian calculations for the 0_2 states of the Nd isotopic chain with the UNEDF0 functional.





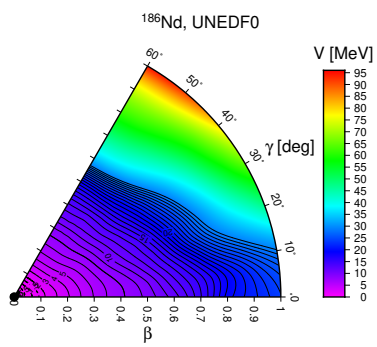


Figure 9: Nd isotopic chain potential energy surfaces.