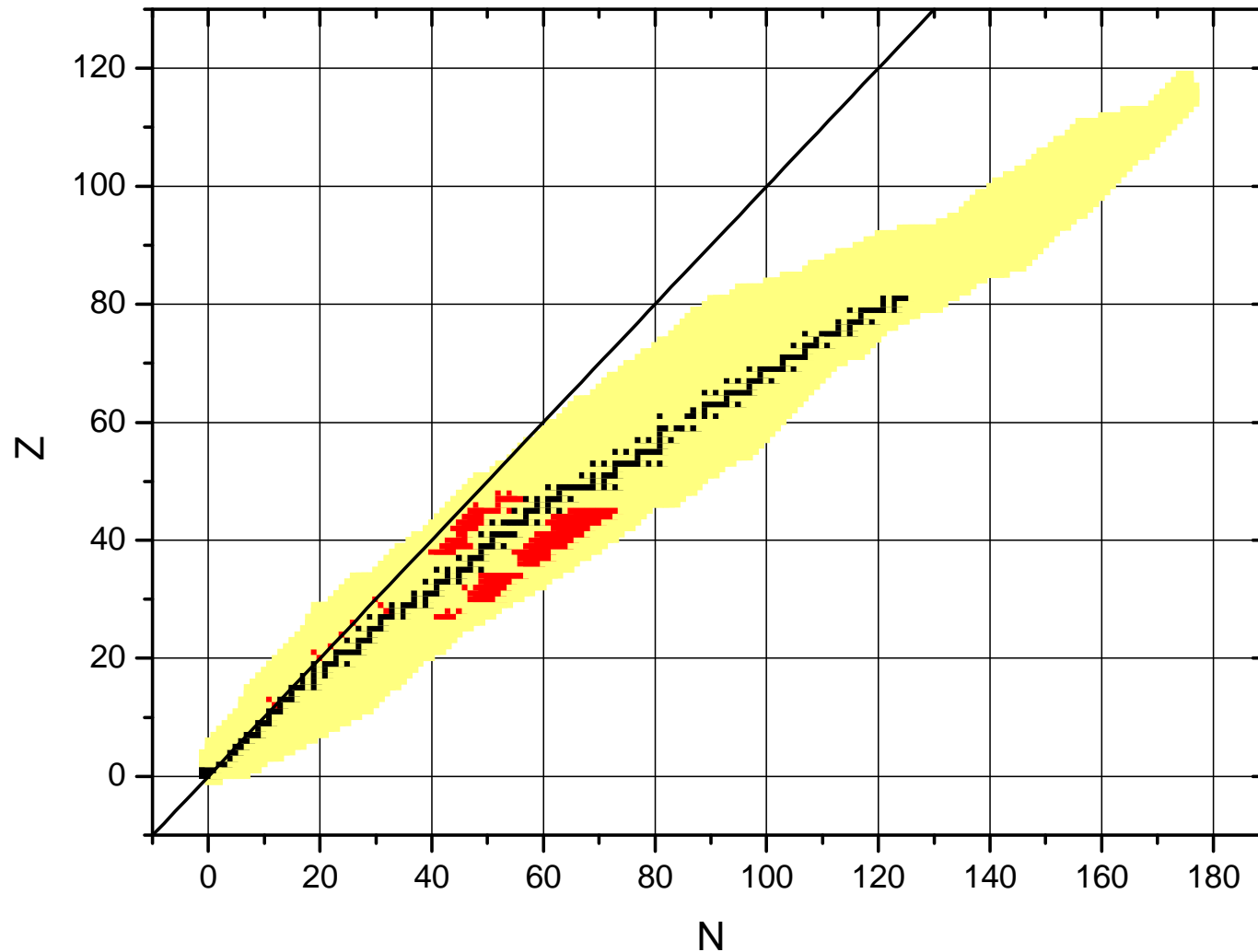




Mass measurements performed at IGISOL for nuclear astrophysics



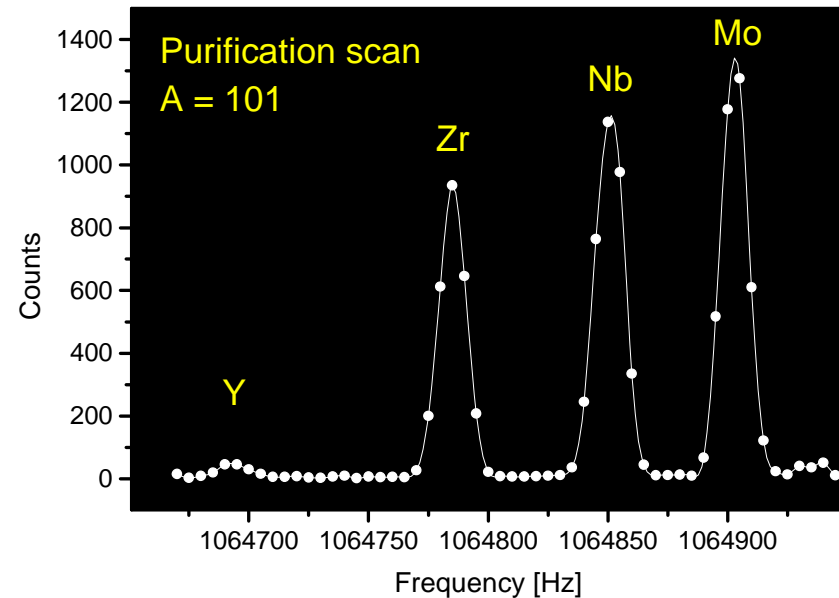


JYFLTRAP, Double Penning Trap



1st trap - Purification trap

- Cooling and isobaric purification

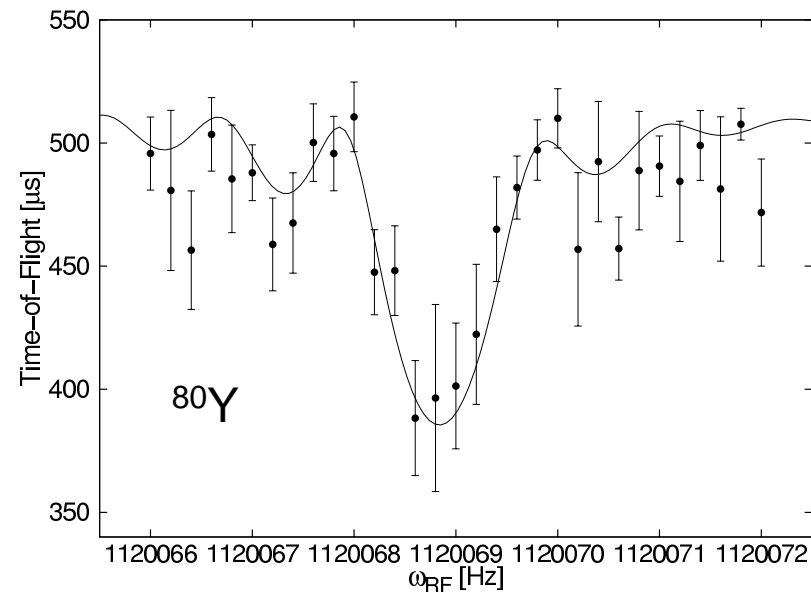


2nd trap - Precision trap:

- TOF resonance

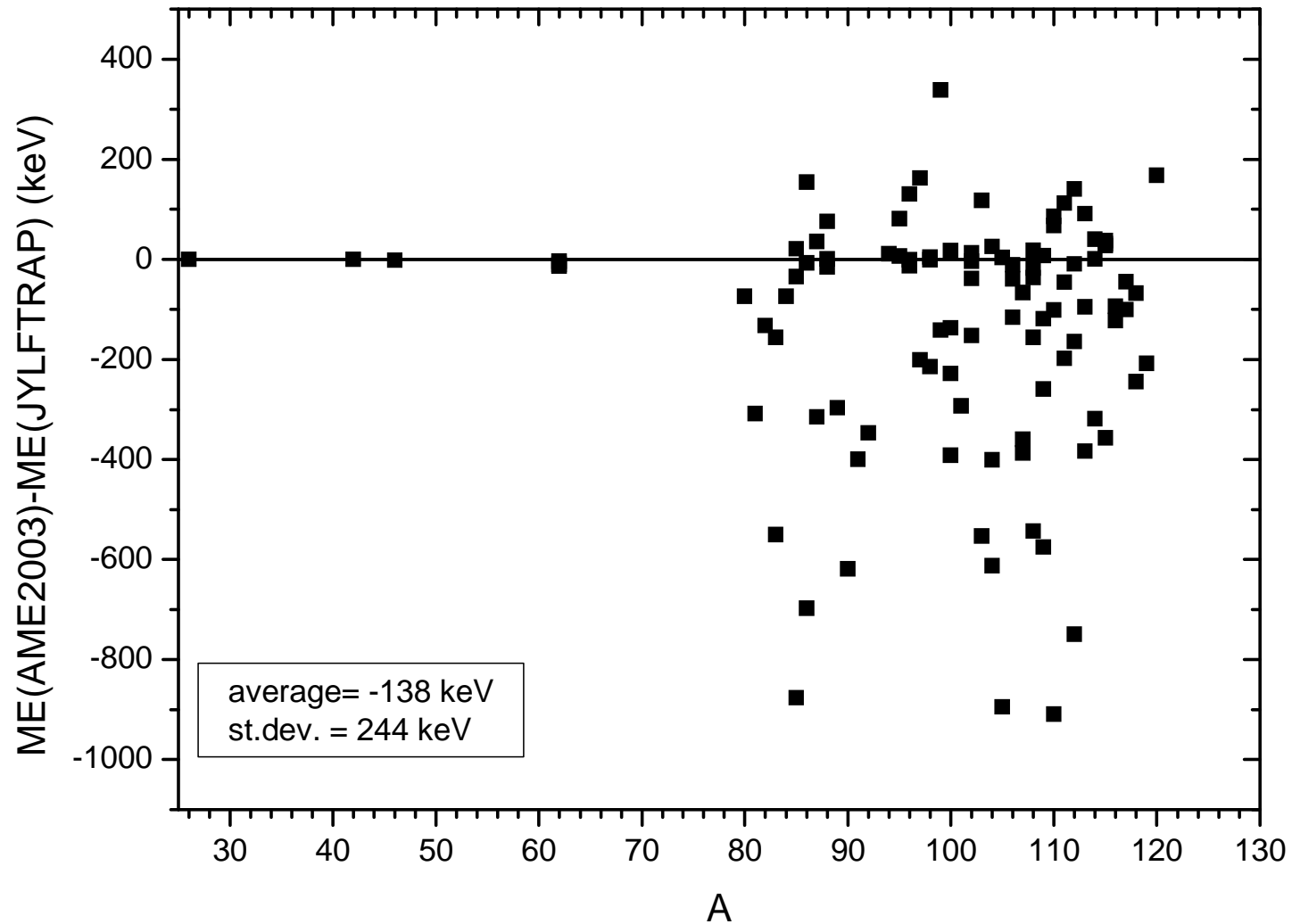
$$v_c = \frac{1}{2\pi} \cdot \frac{qB}{m_{ion}}$$

$$m_{meas} = \frac{v_c^{ref}}{v_c^{meas}} (m_{ref} - m_e) + m_e$$



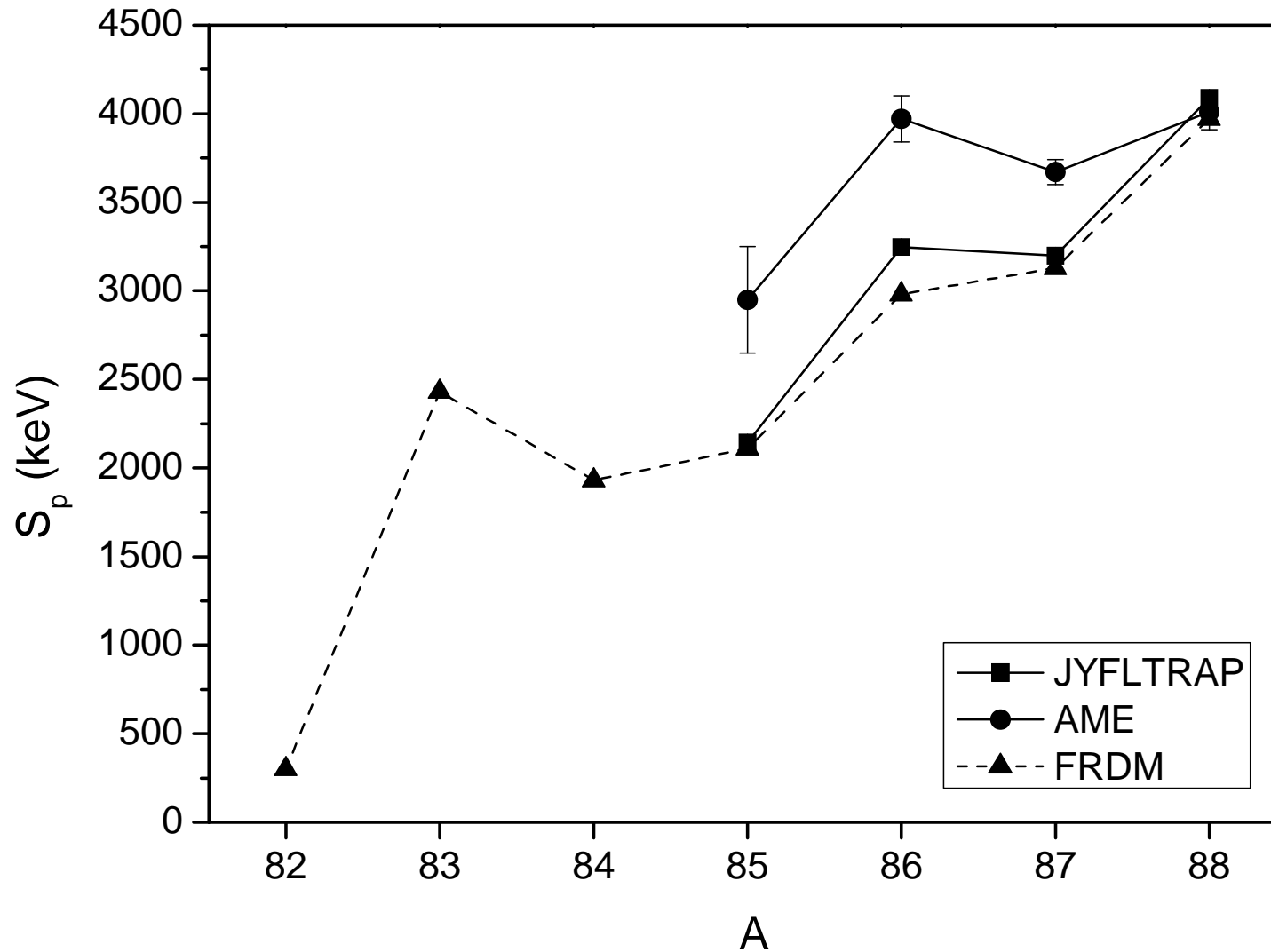


Deviations to the AME2003



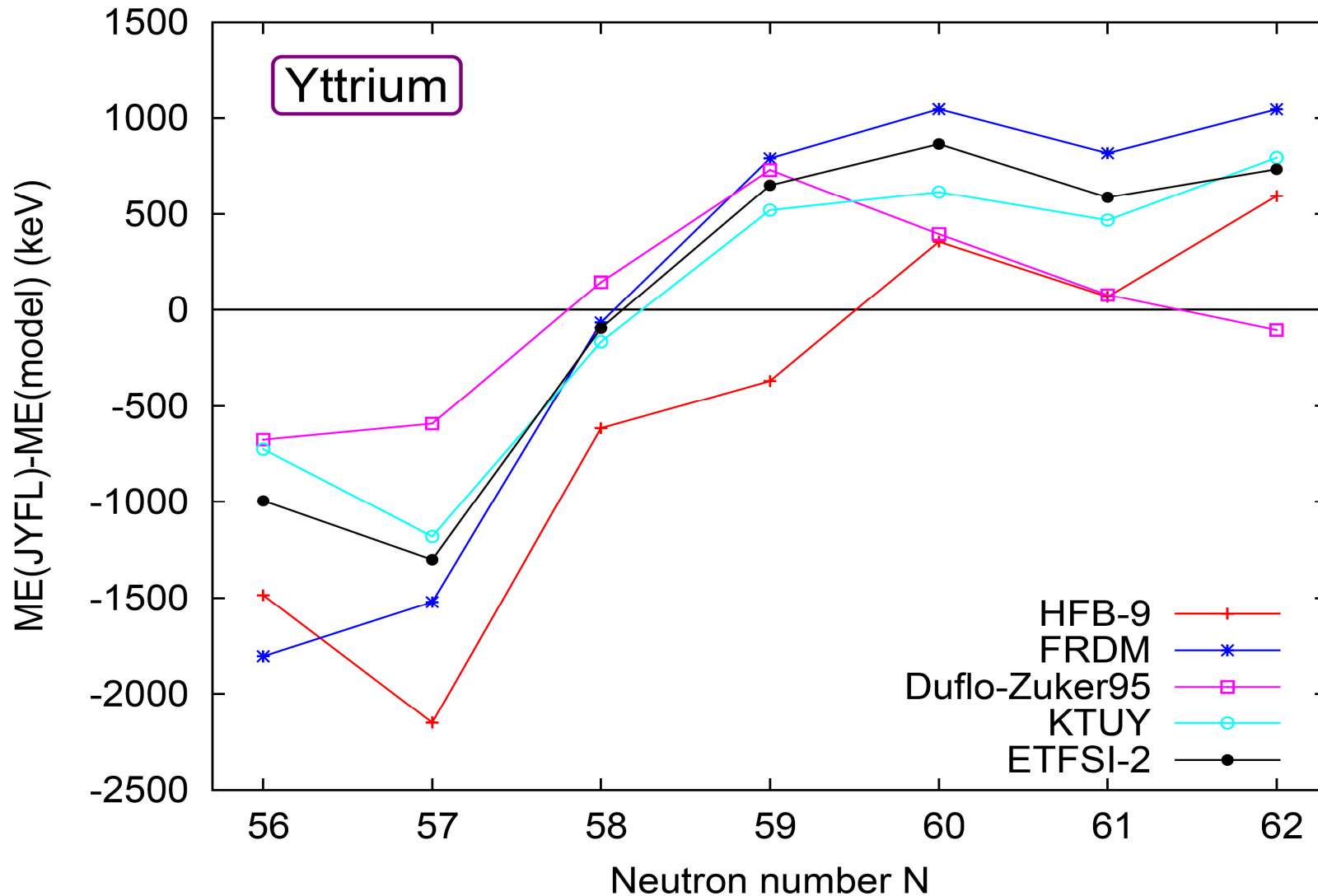


Proton separation energies - Nb



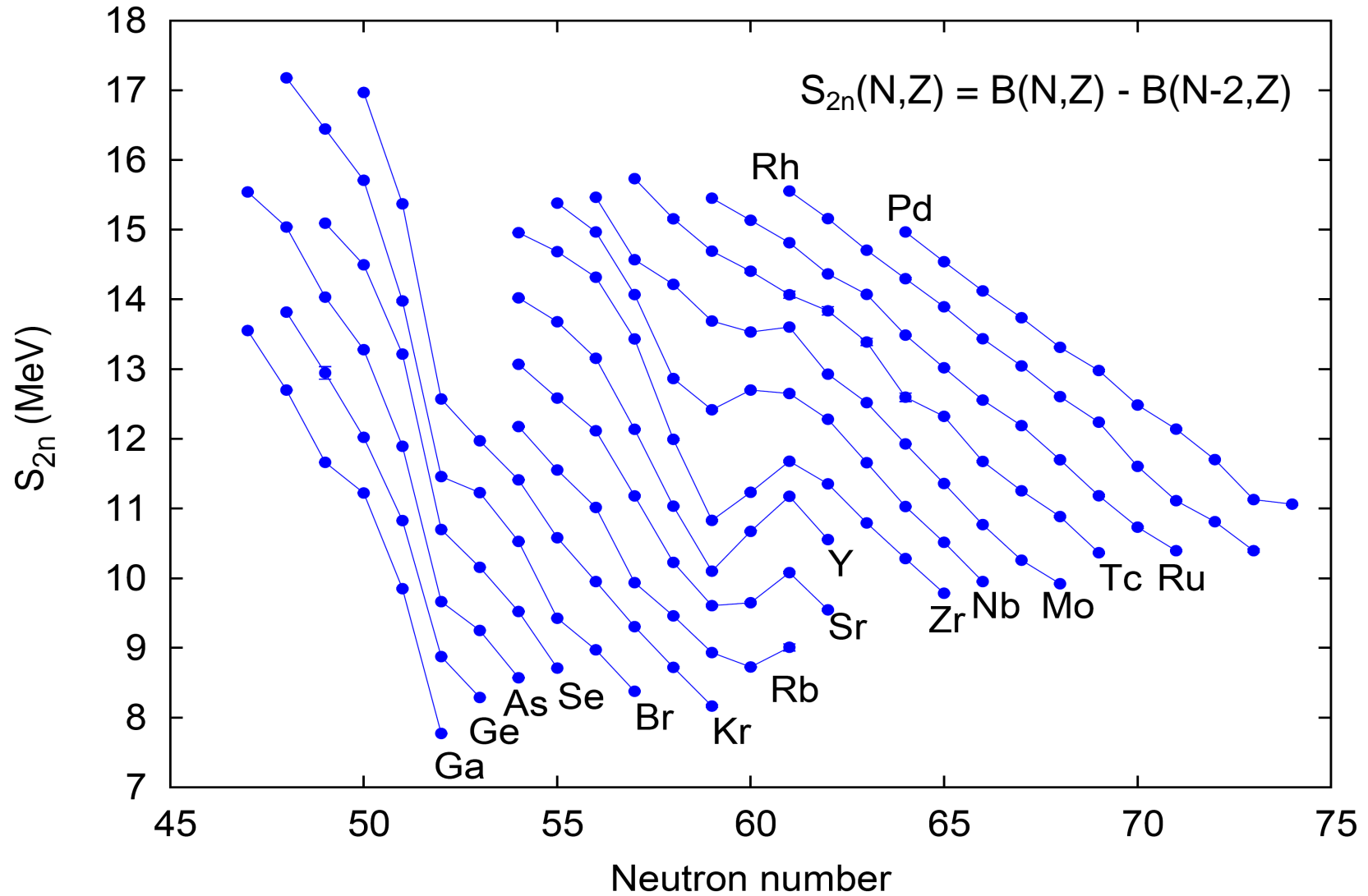


Comparison to models – n-rich Y



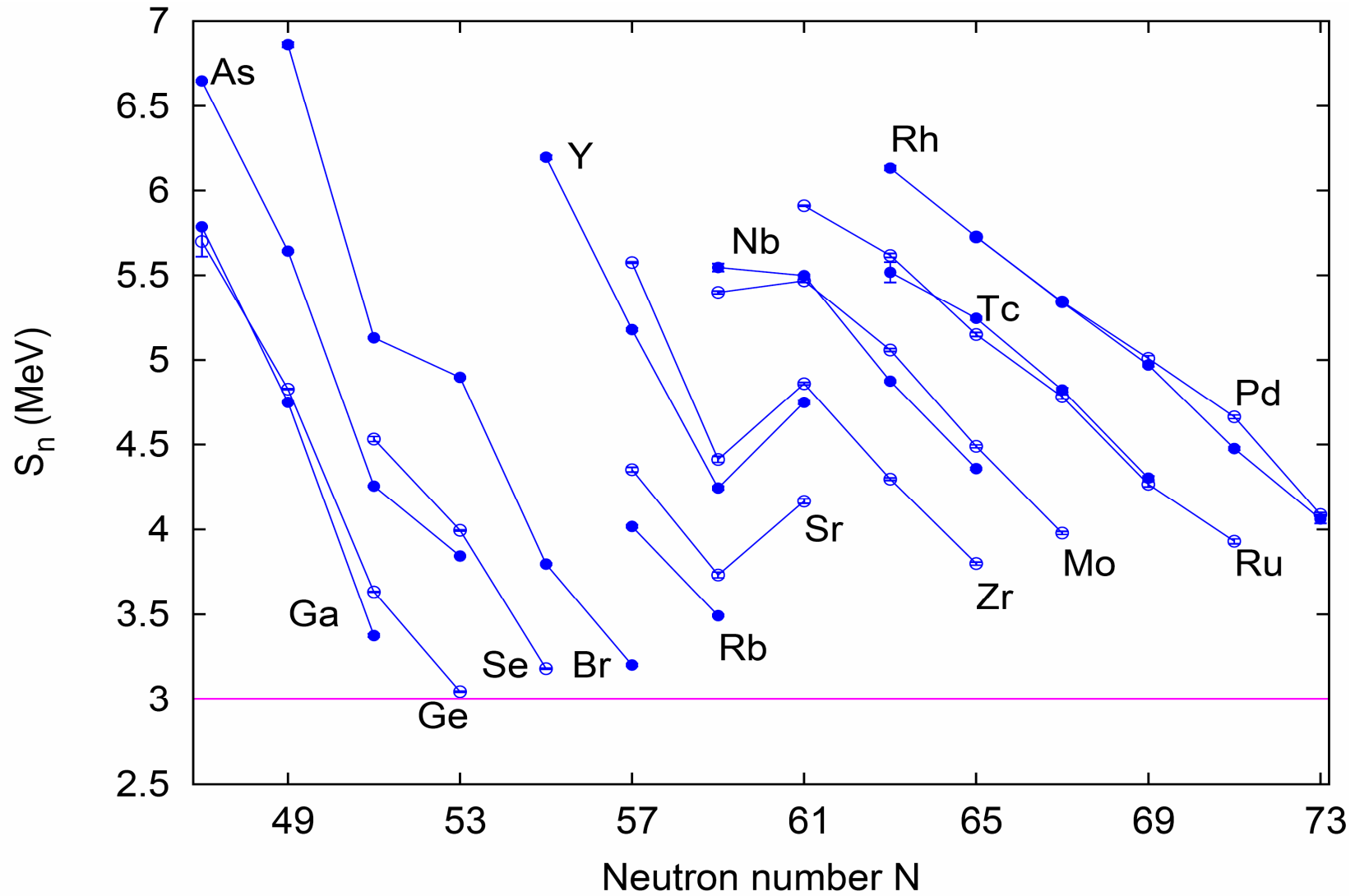


S_{2n} values





S_n values





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