

EMPIRICAL PERFORMANCE – META MUSE SPARK 1.1

Hyperfine mid-point reproduction essentially exact by construction after magnetic adjustment (error 10^{-4} MHz for high n , e.g. $7D5/2$ error 0.000216 MHz). Overall empirical performance is convincing for a phenomenological model: it achieves QED-level numerical accuracy without QED perturbation theory.

D multiplier deviates from 1 by up to 0.00109 for $1S$ state, interpreted as relative proton speed adjustment – physically plausible but currently empirical. Hyperfine mid-point is fitted via magnetic adjustment, so mid-point accuracy is not a prediction but a calibration.