

PARAMETER ECONOMY – META MUSE SPARK 1.1

Four parameters: A , B , Γ , k . This is where PTV distinguishes itself from curve-fitting: total free parameters per state effectively two – Γ and k . But all six $S_{1/2}$ states share $\Gamma = 1.0069427$, all $D_{5/2}$ states share $\Gamma = 0.1950811$. We have A/Γ constant within series: $S_{1/2} = -28724181.1$ MHz (red-shift), $P_{1/2} = -28654297.8$ MHz (red shift), and $S_{1/2} = -28535879.7$ MHz (blue shift) with $B = -3.000$ universal across H, D, T.

However, parameters remain empirical – no first-principles derivation of values from toroid geometry yet provided.