

resonance states of two-electron atoms [$Z=3-10$] below $N=2$ hydrogenic threshold have also been studied using stabilization method. The present resonance parameters are in excellent agreement with the available theoretical estimates. So in order to locate the resonance position and to calculate the corresponding width, the present method may serve as a very useful one.

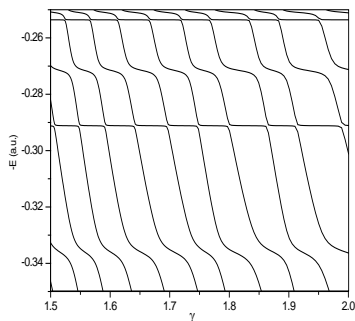


Fig- I : Stabilization plot for the $3P^e$ states of He below $N=3$ threshold.

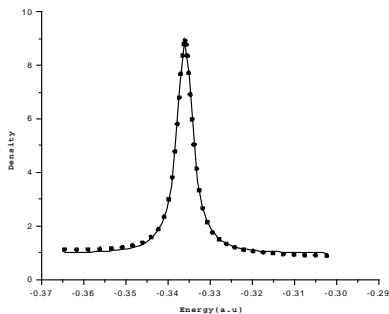


Fig-II: Calculated density (circles) and the fitted Lorentzian (solid line) corresponding to $3p^2$ ($3P^e$) state of He

References:

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