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Confined Hydrogen-like Atoms in Plasma Environment

Thursday, 21 November 2024 16:00 (15 minutes)

We study the non relativistic case of a Hydrogen-like atoms in a plasma environment. We use the screened Coulomb potential to model the phenomenon and we write an almost analytical formula for the energies for large wave lengths. We give also a method to compute the critical value of the wave numbers that ionize the atoms.

Presenter: MOUMNI, Mustafa (University of Batna1)

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