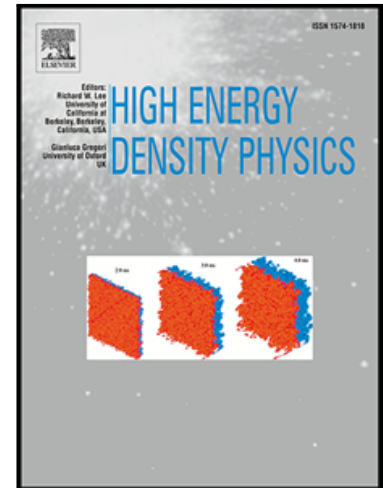


Accepted Manuscript

Estimative study of the influence of the ionic electric microfield on the spectral line broadening by electron collisions in plasmas

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PII: S1574-1818(18)30001-6
DOI: [10.1016/j.hedp.2018.01.001](https://doi.org/10.1016/j.hedp.2018.01.001)
Reference: HEDP 646



To appear in: *High Energy Density Physics*

Received date: 6 March 2017
Revised date: 26 December 2017
Accepted date: 1 January 2018

Please cite this article as: E. Sadeghzadeh Lari, H.R. Askari, M.T. Meftah, S. Douis, Estimative study of the influence of the ionic electric microfield on the spectral line broadening by electron collisions in plasmas, *High Energy Density Physics* (2018), doi: [10.1016/j.hedp.2018.01.001](https://doi.org/10.1016/j.hedp.2018.01.001)

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Highlights

- Modification of the electron collision operator formula for neutral atoms
- The local electric field created by the ions guides the unbounded electron
- The electron trajectory is modified
- Impact and classical path are used
- Electron Stark broadening of the spectral line in plasmas
- We give a new expression of the collision operator
- Meijers functions give exact results of the collision operator

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