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Electron-impact excitation and recombination of molecular cations in edge fusion plasma: Application to H_2^+ and BeD^+

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Dissociative recombination, ro-vibrational excitation and dissociative excitation of molecular cations with electrons are major elementary process in the kinetics and in the energy balance of astrophysically-relevant ionized media (supernovae, interstellar molecular clouds, planetary ionospheres, early Universe), in edge fusion and in many other cold media of technological interest.

Biography

Nicolina POP received is a research scientist. Currently, he is an working in department of Fundamental of Physics for Engineers, Politehnica University Timisoara, Romania.

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