Contribution ID: 193 Type: Oral

## THE ROLE OF COULOMB SCATTERING IN THE PLASMA HEATING BY THE BEAM-PLASMA INSTABILITY

Efficient method for ion-electron Coulomb scattering for particle-in-cell simulation was proposed, the simulation results of the initial stage of beam-plasma instability with and without allowance for Coulomb scattering are presented, the effect of scattering on the plasma heating is discussed.

**Primary authors:** Mr DADYKA, Dmytro (Taras Shevchenko National University of Kyiv); Prof. ANISIMOV, Igor (Taras Shevchenko National University of Kyiv)

Presenter: Mr DADYKA, Dmytro (Taras Shevchenko National University of Kyiv)

Track Classification: Plasma Physics