



Contribution ID: 56

Type: **Poster**

Gyrofluid investigation of finite β_e effects on collisionless reconnection

Tuesday 12 October 2021 14:50 (1h 50m)

We provide a gyrofluid model of a collisionless and magnetized plasma, valid for finite β_e , finite parallel magnetic perturbations and electron finite Larmor radius effects. This model is used to study the linear and non-linear evolution of magnetic reconnection and magnetic islands. Gyrofluid models provide an effective tool, complementary to kinetic models, for studying such effects.

Authors: GRANIER, Camille (Politecnico di Torino); GRASSO, Daniela; BORGOGNO, Dario; TASSI, Emanuele

Presenter: GRANIER, Camille (Politecnico di Torino)

Session Classification: POSTER SESSION

Track Classification: 10. Basic plasma theory