

Proposta di tesi magistrale, Novembre 2019

- **Tipo di tesi:** Tesi Magistrale
- **Corso di Laurea:** Fisica
- **Tipologia:** sperimentale
- **Titolo della tesi:** Slideaway and runaway electrons in RFP plasmas.
- **Proponente (Tutor):** A. Fassina - alessandro.fassina@igi.cnr.it
- **Relatore Accademico:** L. Giudicotti
- **Capogruppo:** L. Marrelli
- **Argomento della tesi:** The presence of non-thermal (NT) particle populations in fusion relevant plasmas has a crucial importance in confinement characterization, instability growth and current drive. Detection and characterization of NT particle in RFX discharges requires an integrated analysis between Thomson Scattering, soft Xray, spectroscopic and density data. In particular, Bayesian inference and Information Geometry techniques will be applied to extract data on electron distribution function. The thesis work should also include an analysis of the links between MHD activity and fast particle population, in particular as far as MHD dynamo is concerned. .
- **Competenze richieste** (se necessarie): nessuna
- **Data della proposta:** 29/01/2014
- **Status:** not assigned