



Contribution ID: 25

Type: **not specified**

## Multiwavelength emission of M87 jet using self-consistent electron-to-proton temperature

*Tuesday 28 February 2023 15:50 (40 minutes)*

The mechanism of non-thermal particle acceleration in turbulent plasma is the magnetic reconnection that occurs when plasmoids interact with others. In this talk, I will discuss the new results from Particle In Cell (PIC) simulations and the implications for the astrophysical plasma. In particular, the non-thermal particle population and electron temperature in relativistic jets.

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