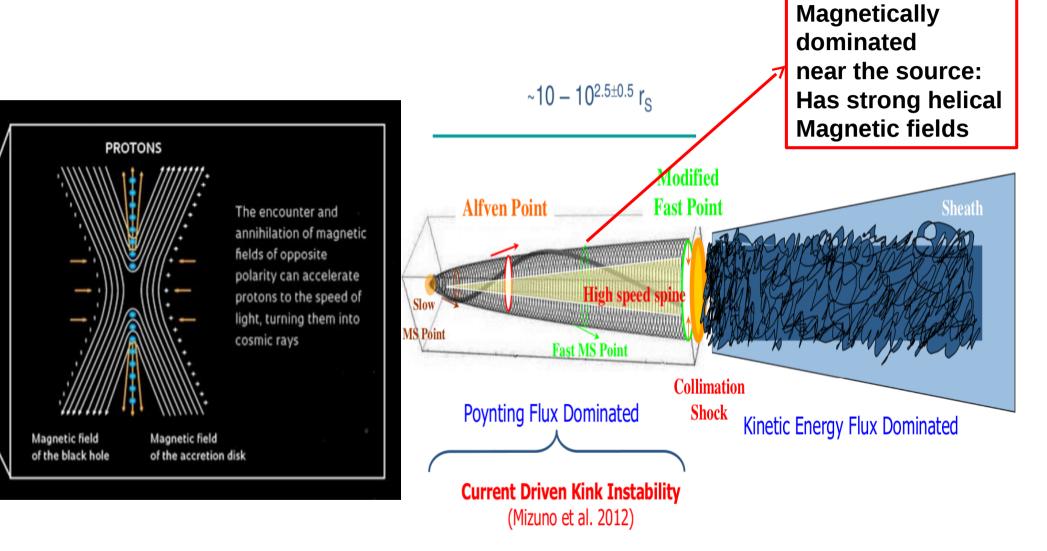
Studies of Cosmic Ray Acceleration in Relativistic MHD Jets

Tania Medina Torrejón¹,

Elisabete de Gouveia Dal Pino², Greg Kowal³, Yosuke Mizuno⁴, Chandra Singh², Luis Kadowaki²

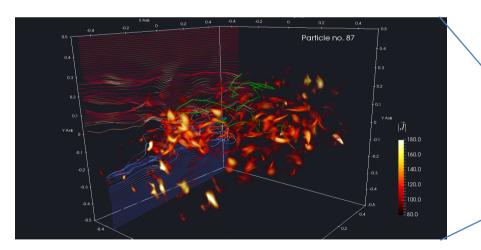
Universidade de Sao Paulo, Brazil

Aceleration particles by magnetic reconection

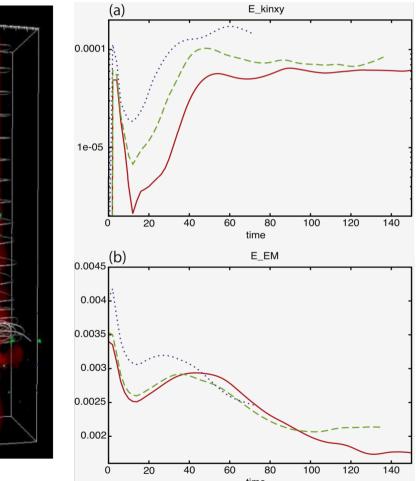


MHD Simulation of Reconnection driven by Kink in Magnetically Dominated Relativistic Jet

Particle acceleration *in situ* in relativistic jets by means of relativistic MHD simulations with thousands of test particles in 3D: **this study is in progress!**



del Valle, de Gouveia Dal Pino, Kowal, MNRAS 2016



Singh, Mizuno, de Gouveia Dal Pino, ApJ 2016

Preliminar results

