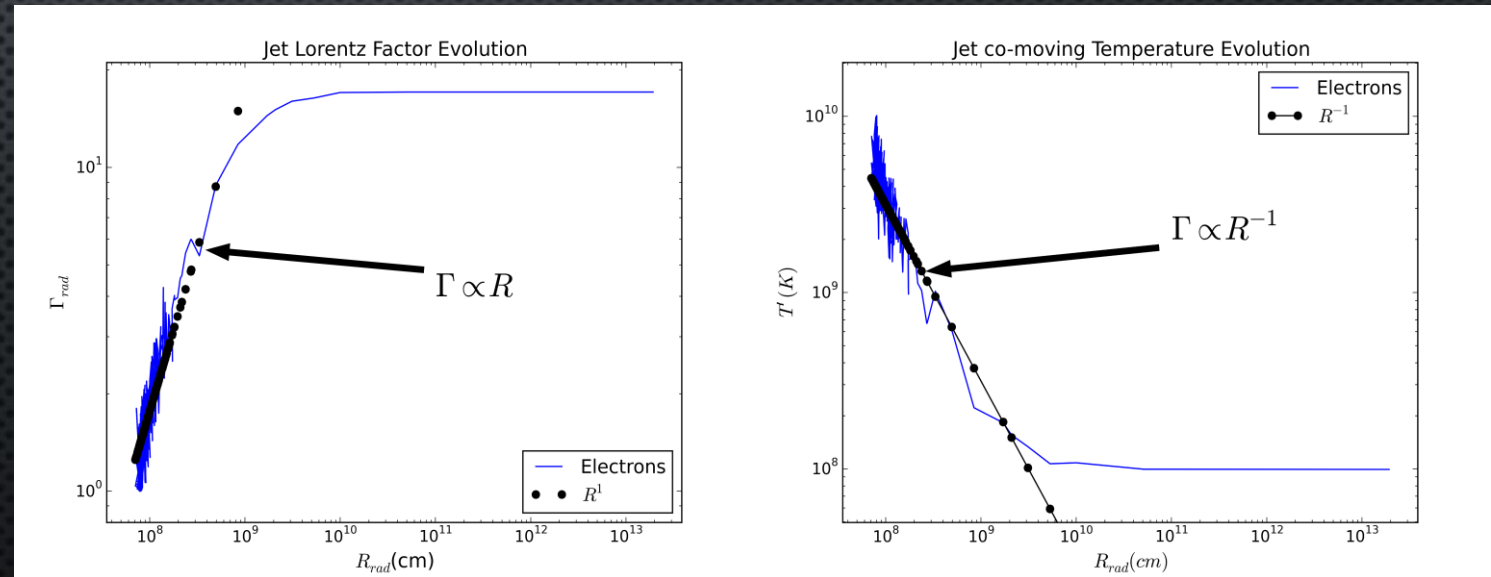
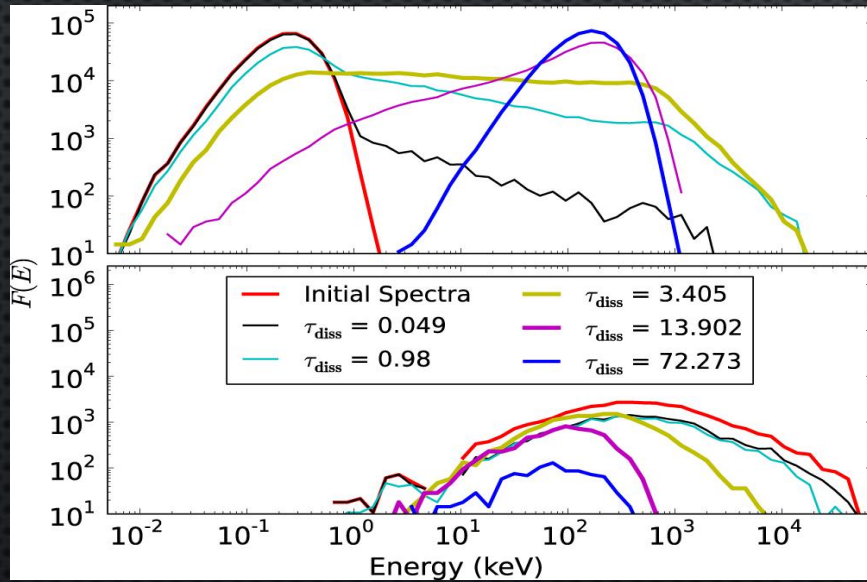


Relativistic Jets from GRBs and AGNs

Atul Chhotray, Oregon State University (Lazzati group)

- MONTE CARLO SIMULATIONS IN SCATTERING DOMINATED PHOTON-LEPTON PLASMAS
 - COMPTONIZATION AND PAIR PROCESSES
 - TRACK PHOTON AND LEPTON ENERGIES
 - FOCUS ON TRANSIENT PHOTON SPECTRA AND LEPTON DISTRIBUTIONS
- DYNAMIC MONTE CARLO SIMULATIONS OF EXPANDING GRB JETS
 - COMPTON SCATTERING INDUCED SELF CONSISTENT EVOLUTION, RADIAL EXPANSION AND ACCELERATION OF GRB JETS
 - TRACK FOUR MOMENTA AND POSITIONS OF ALL PARTICLES
 - ACCELERATION, SPECTRUM AND LIGHT CURVES



- RADIATIVE ACCELERATION OF SPINE-SHEATH STRUCTURED JETS IN AGNs