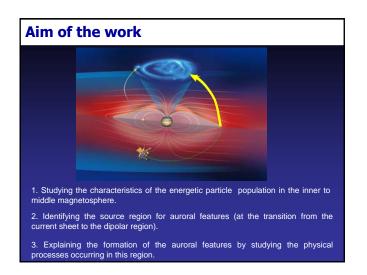
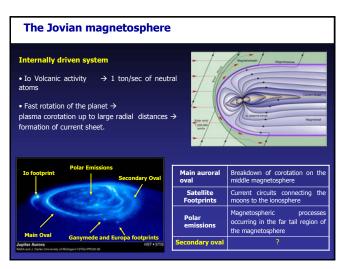
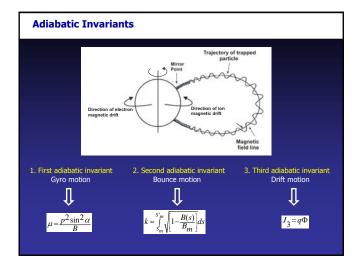


Outline

- Aim of the work
- Introduction
 Jovian magnetosphere
 Pitch angle diffusion
 EPD instrument on Galileo the data used
- Energetic Particle and Magnetic field measurements
- Relation of particle boundaries to auroral emissions
- Physical processes at the origin of the particle boundaries
- Conclusions







Pitch angle diffusion

- Diffusion is one of the processes by which particles are transported in the magnetosphere. It can lead to loss of particles into the loss cone and consequent precipitation.
- Dominant mechanism for electron pitch angle diffusion whistler waves.

