



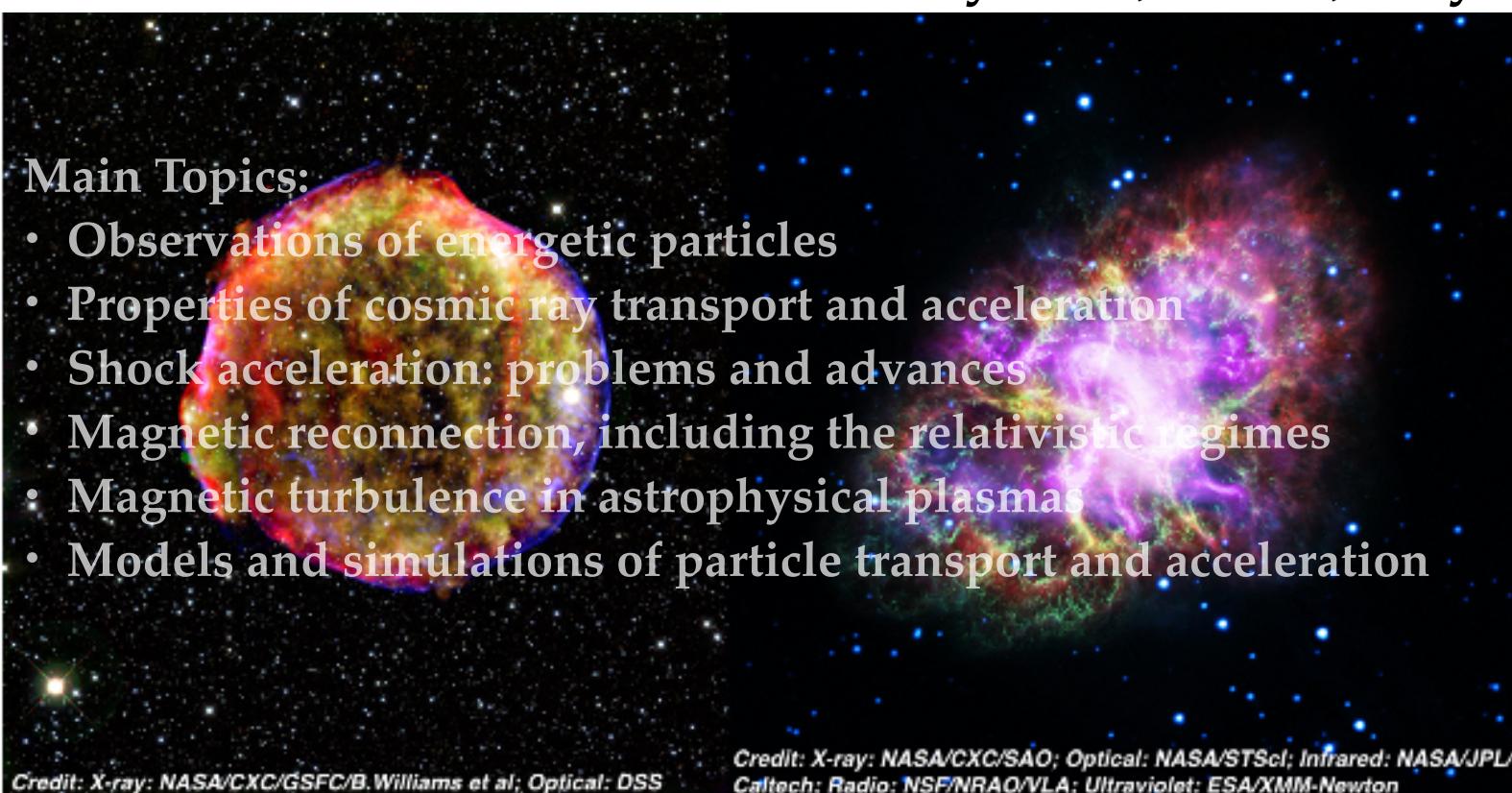
Particle Acceleration and Transport: from the Sun to Extragalactic Sources

12-16 November 2018

Università della Calabria- University Club, Rende, Italy

Main Topics:

- Observations of energetic particles
- Properties of cosmic ray transport and acceleration
- Shock acceleration: problems and advances
- Magnetic reconnection, including the relativistic regimes
- Magnetic turbulence in astrophysical plasmas
- Models and simulations of particle transport and acceleration



Credit: X-ray: NASA/CXC/GSFC/B. Williams et al; Optical: DSS

Credit: X-ray: NASA/CXC/SAO; Optical: NASA/STScI; Infrared: NASA/JPL/Caltech; Radio: NSF/NRAO/VLA; Ultraviolet: ESA/XMM-Newton

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