

# Research Orientation

## 3.1 Research Groups

The Department of Physics and Astronomy has research in a number of areas, including

- [Astronomy and Astrophysics](#)
- [Atmospheric and Environmental Physics](#)
- [Condensed Matter and Materials Physics](#)
- Nuclear and Particle Physics
  - [Experimental](#)
  - [Theoretical](#)
- [Photonics and Quantum Electronics](#)
- [Plasma Physics](#)
- Space Physics
  - [Particles and Electric Fields](#)
  - [Particles and Imaging](#)
  - [Pioneers 10 & 11 Geiger Tube Telescope](#)
  - [Plasma Waves](#)
  - [Theory and HYDRA](#)

Students are encouraged to meet with faculty in these areas and to visit the group web pages listed at <http://www.physics.uiowa.edu/research/> .