

Asrtoparticle Physics:

- An introduction (with a brief historical overview)
- The Standard Model of particle physics
- Dark matter. Observational evidence and current experimental projects
- Cosmic ray physics
- High and very high energy gamma astronomy
- Neutrino physics
- Low energy neutrino astronomy. Solar and supernova neutrinos
- High energy neutrino astronomy. IceCube and ANTARES/KM3NeT projects