E. Research in Astrophysics from Space

Sub-Commission E1 on Galactic and Extragalactic Astrophysics
Sub-Commission E2 on the Sun as a Star
Sub-Commission D2/E3 on the Transition from the Sun to the Heliosphere
Sub-Commission E4 on Exoplanets

Commission E deals with obtaining, sharing and analyzing data taken from space-borne platforms that are associated with the study of stars, galaxies and the universe at large. The data consist of high-energy particles and radiation from the entire electromagnetic spectrum.

• Rapidly-rotating Neutron Stars
• Accretion and Ejection in Galactic Compact Objects
• The Gravitational Wave Universe in the LIGO-Virgo Era
• LISA, the Next Window on the Universe
• High-energy Processes at the Galactic Center
• Long-term All-sky Monitoring of High Energy Transient Sources
• Cherenkov Telescope Array: the Ground-based Eyes to Observe the Gamma-ray Universe
• Origin of Cosmic Rays
• The Space View of Radio Galaxies
• Probing Energy Extraction from Supermassive Black Holes
• Early Results of Spectrum-Roentgen-Gamma Mission
• The Remnants of Supernova Explosions
• Astronomy from Space and the Ground: Synergies and Challenges
• Black Hole Astrophysics: Observational Evidence and Theoretical Models
• Accretion on All Scales
• X- and Gamma-ray Counterparts of New Transients in the Multimessenger Era
• Observations and Prospects for X-ray Polarimetry
• Evolution of Disk and Corona in X-ray Binaries: Intersection of Observations and Modeling
• Multi Wavelength Studies of Compact Objects - into the 21st Century
• Magnetic Flux Ropes in Solar and Stellar Environments
• Magnetic Structures of Solar Filaments
• Driving Solar Eruptions
• New Views on the Solar Magnetic Atmosphere