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# Astroparticle Physics 1

*Friday 28 July 2023 10:30 (45 minutes)*

I will give a short introduction in the physics and detection method of high-energy astrophysics. This includes a discussion of the highest energetic particles in the Universe, well beyond what can be produced in man-made accelerators. Mechanism for acceleration, propagation and interaction of charged cosmic rays, high-energetic gamma rays and neutrinos are discussed in the context of the large astroparticle projects IceCube and CTA, which form a central part of DESY's activities in this field.

**Presenter:** MAIER, Gernot (Z_CTA (Cherenkov Telescope Array))

**Track Classification:** General Lectures