

(INVITED) Addressing Computing Challenges for Imaging Air Cherenkov Telescopes

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Imaging Air Cherenkov Telescopes (IACTs) play a crucial role in the field of ultra-high energy astrophysics ($E > 10\text{GeV}$), bringing a fundamental contribution to the study of cosmic gamma-ray sources. As the sensitivity and complexity of IACT systems increase, so does the demand for efficient data reduction techniques and computational resources to handle the ever-growing data volumes. This presentation focuses on the challenges posed by the data processing requirements of two major next-generation IACT projects: the Cherenkov Telescope Array (CTA) and the ASTRI miniarray.

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