

## Data analysis and software of LHAASO

*Tuesday, 21 May 2024 09:25 (25 minutes)*

The Large High Altitude Air Shower Observatory (LHAASO) is designed to detect the cosmic rays and gamma-ray air showers in a wide energy range, from sub-TeV to beyond 1 PeV. It consists of KiloMeter-square Array(KM2A), Water Cherenkov Detector Array (WCDA), 18 Wide Field-of-view Cherenkov Telescope Array (WFCTA). The WFCTA primarily focuses on cosmic ray physics, while the KM2A and WCDA are mainly dedicated to gamma-ray astronomy. To address these needs, we have designed and implemented a modular analysis framework. In this contribution, I overview the design and capabilities of the LHAASO data analysis framework.

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**Session Classification:** 宇宙学、天文卫星、天体物理数据处理