

Introduction to the Very Large Area gamma-ray Space Telescope (VLAST)

Wednesday, 21 August 2024 10:00 (30 minutes)

The Very Large Area gamma-ray Space Telescope (VLAST) is a mission concept proposed to detect gamma-ray photons through both the Compton scattering and electron-positron pair production mechanisms, enabling the detection of photons with energies ranging from MeV to TeV. VLAST is designed to have an acceptance of $10\text{ m}^2\text{ sr}$ which is four times larger than Fermi-LAT, an energy resolution of $\sim 2\%$ at 10 GeV, and an angular resolution of ~ 0.2 degrees at 10 GeV . The VLAST project is expected to make significant contribution to the field of gamma-ray astronomy and the exploration of new physics.

Primary author: YUAN, Qiang (Purple Mountain Observatory)

Presenter: YUAN, Qiang (Purple Mountain Observatory)

Session Classification: Plenary talks (2)