

Locating a Super PeVatron at Cygnus Region

LHAASO is a large hybrid extensive air shower observatory started operation since 2021. A PeV photo with energy of 1.4PeV was reported by LHAASO at first. Recently a very large ultra-high energy gamma ray bubble with energy up to PeV was detected at Cygnus region. The emission is positionally correlated with the distribution of clouds, which strongly supports a hadronic origin scenario. In this report, I will report the recent results from Cygnus region with LHAASO.

Primary author: Mr LI, Cong (IHEP)

Presenter: Mr LI, Cong (IHEP)

Track Classification: 中微子物理、粒子天体物理与宇宙学