

8th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy

Contribution ID: 49 Contribution code: GAL

Type: Oral

Ultra-high energy emission from gamma ray binaries

Thursday 5 September 2024 14:20 (15 minutes)

Gamma ray binaries are a new kind of binary systems whose energy spectrum peaks at gamma rays. The detection of gamma rays from such system is difficult due to its weak and instable signal, and the origin of the complex emission is under debate. With the operation of LHAASO, there are evidences for UHE emission from gamma binary systems, such as LSI +61303, LS 5039 and so on, which may provide crucial information about particle acceleration at highest energy range. This report will give a brief introduction about the detection of UHE emission from gamma ray binaries with LHAASO.

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Session Classification: Parallel 1