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Status of Water Cherenkov Detector Array of LHAASO project

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A Large High Altitude Air Shower Observatory (LHAASO) is planned to be built in next year. As an important component of LHAASO project, Water Cherenkov Detector Array (WCDA) is a high sensitivity gamma ray and cosmic ray detector, which is mainly to survey the northern sky for VHE gamma ray sources. Currently, the R&D is quite finished, including a prototype water Cherenkov detector and an engineering array at 1% scale (3×3 cells). In this paper, the basic design, performance and R&D work of WCDA will be described.

Collaboration

LHAASO

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