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Upgrading Plan Towards Multi-messenger Observation with LHAASO and Construction Status

Friday, 7 September 2018 12:00 (30 minutes)

LHAASO is planning to enhance its sensitivity at energies around 100 GeV by utilize MCP staffed 20" PMT in the Water Cherekove Detector Array. The effective area for gamma ray detection will reach to 1800 m^2 and differential sensitivity to 0.2 CU at 50 GeV. It will be the very useful survey detection for transient phenomena at 50 GeV in the northern sky. LHAASO will play an important role in the multi-messenger observation. The status of the construction of the whole LHAASO array at the 4400 m a.s.l. site is updated as well.

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