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Status of the LHAASO experiment

The Large High Altitude Air Shower Observatory (LHAASO) is under construction at the Mountain Haizishan (4410m a.s.l.), Sichuan Province, China. LHAASO comprises of 4 major kinds of detector arrays, such as the Electro-magnetic particle Detector (ED) array, the Muon Detector (MD) array, the Water Cherenkov Detector Array (WCDA), and the Wide-Field-of-view air Cherenkov Telescope Array (WFCTA). By the end of 2018, a quarter of the whole detector arrays will be deployed and operated, since then some interesting astronomical objects can be observed and some observation results can be obtained. In this talk, the physics and the design of the LHAASO detectors is briefly introduced, the construction status is demonstrated, and some of the near-term targets of opportunity are anticipated.

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