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Large area water Cherenkov array for air shower detection at high altitude

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Large Area Water Cherenkov Array (LAWCA), a newly planned water Cherenkov detector, is to be built in Yangbajing, Tibet, China by the end of 2014, for detecting air showers at high altitude of 4300 m a.s.l. The LAWCA detector, amounting to an area of 23,000 m² and built adjacent to the ARGO-YBJ detector, mainly aims to all sky survey for transient sources. A cross calibration between LAWCA and ARGO-YBJ can make us to better understand the systematic errors. In this presentation, the design, the performance and the schedule of LAWCA experiment is to be introduced.

quote your primary experiment

LAWCA

Primary author: Dr YAO, Zhiguo (IHEP, Beijing)

Presenter: Dr YAO, Zhiguo (IHEP, Beijing)

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