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Cosmic Ray Tau Neutrino Telescope (CRTNT) Prototype Experiment at Yangbajing

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Abstract content

Cosmic Ray Tau Neutrino Telescope (CRTNT) is designed to detect tau lepton showers initiated from Earth-skimming tau neutrinos. A potential site is located at Balikun, Xinjiang, China. Two CRTNT Cerenkov imaging telescopes are installed at Yangbajing, Tibet (4300m a.s.l.) near the ARGO-YBJ RPC carpet detector, with which coincident observation of cosmic ray showers above 10^{14} eV is performed for telescope testing. Detector status and operational results are reported in this paper.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 5 (HE part 2), pages 949-952

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