Contribution ID : **659** Type : **Oral**

Status of the RICE experiment

Monday, 9 July 2007 12:53 (0:12)

Abstract content

The RICE experiment, located at the South Pole, seeks detection of ultra-high energy neutrinos based on measurement of the coherent radiofrequency Cherenkov pulse created by an englacial neutrino-ice collision. Based on the eight-year dataset now accumulated by RICE, we report on updated results on the neutrino flux in the >100 PeV energy range, limits on neutrino production from gamma-ray bursts, and searches for ultra-relativistic monopoles. The successor experiment (AURA) will also be briefly discussed.

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

RICE

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. 3 (OG part 2), pages 1229-1232

Primary author(s) : KRAVCHENKO, ilya (MIT)

Presenter(s) : KRAVCHENKO, ilya (MIT)

Session Classification : OG 2.5

Track Classification : OG.2.5