



Contribution ID : 932

Type : Oral

## Observation of thermal neutron flux variations connected with Lunar periods.

*Saturday, 7 July 2007 11:30 (0:12)*

### Abstract content

Baksan Neutrino Observatory results on variations of thermal neutron flux near the ground surface measured with an open scintillator detector are presented. Experimental evidences were obtained of correlation between the long-term thermal neutron flux variations and the lunar periods (Radon-neutron tidal waves).

**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. 1 (SH), pages 753-756

**Primary author(s) :** Dr. ALEKSEENKO, Victor (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia)

**Co-author(s) :** Dr. KUDJAJEV, Aleksandr (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia); Dr. KUZMINOV, Valery (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia); Dr. MICHAILOVA, Olga (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia); Dr. STENKIN, Yuri (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia); Dr. DZHAPPUEV, Dachir (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia); Dr. GROMUSHKIN, Michail (Moscow Engineering Physical Institute)

**Presenter(s) :** Dr. ALEKSEENKO, Victor (Institute for Nuclear Research, Baksan Neutrino Observatory, Russia)

**Session Classification :** SH 3.6

**Track Classification :** SH.3.6