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## **Energy spectrum for the solar neutron event of September 7 2005, derived from the SNT at Sierra Negra.**

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### **Abstract content**

The Solar Neutron Telescope (SNT) at Mt. Sierra Negra in Mexico ( $19.0^{\circ}\text{N}$ ,  $97.3^{\circ}\text{W}$ ) is taking data since June of 2004. A solar neutron event was registered by this SNT, associated with the flare of September 7 of 2005, at the minimum phase of solar cycle 23. In this work we calculate the energy spectrum for this solar neutron event, using the attenuation model by Dorman & Valdés-Galicia (J. Geophys. Res. 495. 1999), and the detector efficiency calculation of Valdés-Galicia (Nucl. Inst. Meth., A535, 656, 2004).

**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 57-60

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