



Contribution ID : 690

Type : **Poster**

## PROSPECTS FOR DARK MATTER DETECTION IN ICECUBE

*Monday, 9 July 2007 14:45 (0:00)*

### **Abstract content**

The IceCube Neutrino Observatory is currently under construction at the South Pole, Antarctica, and 22 strings (of 80) have so far been installed. The observatory is surrounding the AMANDA neutrino telescope, which is running since 2000. The combination of the AMANDA telescope and the Icecube strings will improve the sensitivity to neutrinos from Dark Matter annihilation. This paper will discuss the prospects for indirect detection of Dark Matter in the coming years by the IceCube Neutrino Observatory.

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

IceCube 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. 4 (HE part 1), pages 741-744

**Primary author(s) :** Mr. WIKSTROM, Gustav (Stockholm University)

**Presenter(s) :** Mr. WIKSTROM, Gustav (Stockholm University)

**Session Classification :** Posters 3 + Coffee

**Track Classification :** HE.3.3