



ID de Contribution: 67

Type: **Contributed talk**

## Predictions of the Diffuse Galactic Neutrino Flux in Light of New Milagro Data

*mercredi 23 avril 2008 14:20 (20 minutes)*

Following the Milagro detection of multi-TeV gamma-rays from both the Cygnus and central Galactic regions, we investigate the consequences of a hadronic origin for this large scale diffuse emission. We demonstrate that such observations are highly relevant to the predictions of detectable fluxes by upcoming km<sup>3</sup> neutrino-detectors. The possibility for a verification of a hadronic origin model through upcoming TeV and multi-TeV gamma-ray detectors are discussed.

**Auteur principal:** Dr TAYLOR, Andrew (MPIK)

**Orateur:** Dr TAYLOR, Andrew (MPIK)

**Classification de Session:** Parallel session on Physics

**Classification de thématique:** Parallel Session on Physics