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## **Mr. GAGGERO, Daniele (INFN Pisa): Combined interpretation of recently measured electron, positron and antiproton spectra**

*Tuesday, 14 September 2010 16:30 (15 minutes)*

We present some models which try to interpret the recently published results on electron+positron spectrum by Fermi-LAT collaboration and on positron fraction by PAMELA in terms of a combination of a Galactic component plus an extra primary source of electron+positron pairs of astrophysical origin. We adopt several diffusion setups, whose parameters are constrained by recent CREAM B/C data and PAMELA antiproton data, and discuss the impact of varying the diffusion setup on the interpretation of electron and positron data. Our analysis is performed both with GALPROP and DRAGON numerical packages. We also discuss the implications of our models for anisotropy measurements of CR electron flux.

**Session Classification:** 6 talks (Chair: Pierre SALATI)