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## The status of the cosmic $e^+/e^-$ anomaly

*Saturday, July 7, 2012 12:30 PM (15 minutes)*

The anomalous part of the cosmic electron-positron flux can be isolated within a Bayesian likelihood analysis. From the cosmic ray data the values of relevant cosmic ray propagation parameters can be also be inferred. I show how a tension arises between various cosmic ray datasets indicating an  $e^+/e^-$  anomaly. Then I show how to calculate the anomalous part of the PAMELA and Fermi-LAT measurements. I focus on the uncertainty of this 'signal'. Finally, I briefly compare this signal to some theoretical results predicting such an anomaly.

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