

Statistics Presentations

Louis Lyons' Fermi Lunch Talk, Oct 22, 2009

- [Statistical Issues for Search Experiments](#)
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Score Test discussion

- Here is an [email from Louis](#) summarizing his discussion with John Rice and Peter Bickel (Berkeley Stat. Dept.) on score tests.
 - [A paper by Bickel, Kleijn and Rice](#) using a score test in blind periodicity searches in gamma-ray data.
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March 5 Meeting with Louis Lyons

On 5 March 2007, several GLAST/LAT members sited at SLAC had an informal meeting with Louis Lyons to discuss statistical issues relevant for GLAST /LAT data analysis.

Agenda

- Automated Analysis of the GLAST Photon Data Stream Using Segmentation Techniques (Voronoi Tessellation, etc.) - Jeff Scargle
- Upper Limits on Sources and Spectral Lines discussion - Jeff et al.
 - [General CDF recommendations](#) and a [Bayesian approach](#)
 - [Ilya Narsky talk](#) (see slide 7)
- Maximum Likelihood Analysis for LAT Data ([pdf](#)) - Jim Chiang
- [When the Likelihood Ratio Fails: Pilla, Loader, & Taylor](#) - Pat Nolan
- What does the [Statistics Committee](#) at the CDF experiment at Fermilab do? ([ppt](#)) - Louis Lyons

In attendance:

Elliott Bloom, Jim Chiang, Johann Cohen-Tanugi, Seth Digel, Yvonne Edwards, Tune Kamae, Louis Lyons, Pat Nolan, Jay Norris, Jeff Scargle, Larry Wai, Ping Wang