

Thesis update

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4/99

Summary of accomplishments

- I started to write my thesis.
 - I wrote sections on:
 - hardware: SF system
 - simulation: SF system
 - neutrino generation
 - I started to write sections on:
 - theory
 - hardware (other than SF)
 - MC (other than SF)
 - Analysis
- I worked on the MC and analysis
 - I analyzed period 4 neutrino candidates to find magnetic moment interactions
 - Bruce and I updated the MC (with help from others)

Thesis topic and Abstract

The tau neutrino magnetic moment

Fermilab experiment E872 is searching for tau neutrino interactions in nuclear emulsion. This thesis searches for evidence of a non-vanishing tau neutrino magnetic moment in the neutrino interaction data.

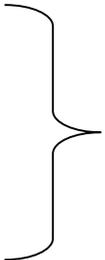
Analysis game plan

Six month plan

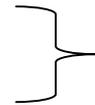
- Finish Analysis of period 1,2,3 neutrino candidates
- Analyze all .nustrip files
- Go to Japan
 - get update on events I sent to Japan
 - discuss emulsion search
 - get all info on SF/IIT
- finish my thesis

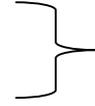
Specific analysis tasks and tentative schedule

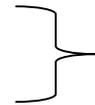
two month plan

- Update and document my cuts
 - apply to all .nustrip files
 - apply to all neutrino candidates
 - apply to MC events
 - send magnetic moment candidates to Byron to Japan

Finish by
mid-May



periodically
- finish chapter on SF/IIT system
 - find holes that I need to fill when I am in Japan

End of May
- go to Japan

June 5-19