
NuSTEC Discussion

25 October 2014

Relationship of NuSTEC and neutrino interaction event generators - Steve Dytman,

- ◆ GENIE

- ◆ GLOBAL FITS

NuSTEC Workshops and training programs

Ken, Federico, Makoto

- ◆ Federico Sanchez – **MEC workshop in Spain**
- ◆ Ken Long - **Neutrino cross sections and the future long- and short-baseline programme**
- ◆ Makoto Sakuda – **Next NuSTEC School, Japan, November 2015**

Submitting a Position Paper to NP Long-term Planning - Jorge, Kendall

◆ **White paper on nuclear theory/neutrino experiment collaboration**

- ▼ Goal of neutrino studies: long baseline, short baseline, sterile, NSI.....
- ▼ Required Systematics to reach these goals
- ▼ Present systematics introduced by cross section x nuclear effects unknowns
 - » nucleon cross section unknowns
 - » initial nuclear state unknowns
 - » final state interaction unknowns
- ▼ Examples of successful nuclear theorist/neutrino experimentalist collaborations
- ▼ Our request - What specifically do we need/want.