

6th International Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region (NUINT 09)

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Neutrino Event Generator Review

Tuesday, May 19, 2009 9:45 AM (45 minutes)

Neutrino event generators are a crucial link between theory and experiment and play an important role in the design of new experiments and the analysis of experimental data. These programs have advanced significantly since the start of the NuINT series in 2001. In this talk, I will describe the evolution of this field over the last decade, focusing on the physics content of several widely-used generators. The use of these packages throughout the entire experimental “life-cycle” will be described, and particular attention will be drawn to areas where the content of these programs significantly lags current theoretical work.

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