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**Detection of Neutrinos from the Sun** M. ATIQUAR RAHMAN, Stony Brook University, Stony Brook, NY — Nuclear fusion reactions in the Sun generate a large number of electron neutrinos. The deficit of detected solar neutrinos compared with our theoretical predictions, known as the solar neutrino problem, has remained one of the outstanding mysteries in basic physics for over thirty years. In this talk, I will start with a brief history and theory of solar neutrinos, then introduce the origin of solar neutrino problem along with results from earlier experiments and finally show the solution to the problem by presenting data from modern experiments like Super-K and SNO.

**References:**

1. A. Bellerive, “*Review of Solar Neutrino Experiments*”, arXiv:hep-ex/0312045.

- Prefer Oral Session  
 Prefer Poster Session

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