Abstract for an Invited Paper for the DNP11 Meeting of The American Physical Society

Recent Results in Solar Neutrinos

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Solar neutrinos are an invaluable tool for studying neutrino oscillations in matter as well as probing the nuclear reactions that fuel the Sun. In this talk I will give an overview of solar neutrinos and discuss the latest results in the field. I will highlight the recent precision measurement of the ⁷Be solar neutrino interaction rate with the Borexino solar neutrino detector and present the status of the analysis of pep and CNO neutrinos. I will also briefly describe future experiments and their potential to detect low energy solar neutrinos.