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P1.090 Going low: measurement of the solar pp-neutrino flux with liquid scintillator detector

O Smirnov

JINR, Russia

on behalf of Borexino collaboration

Recently Borexino collaboration announced the first direct measurement of the low-energy neutrino flux from the pp-reaction in the Sun. Together with previous measurements of solar neutrino fluxes from ${}^7\text{Be}$, ${}^8\text{B}$ and pep reactions the measurement completes the study of the neutrino fluxes from the pp-chain of solar reactions.

Technical details of the analysis are presented, and results and implications are discussed.