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Systematic errors in Borexino Solar and Geoneutrino Analyses

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Borexino is the world radio-purest large-volume liquid-scintillator detector placed at the Laboratori Nazionali del Gran Sasso in Italy. Since the start of its data taking in May 2007, it has provided several measurements of solar neutrinos and geoneutrinos. Recently, Borexino has released new results concerning comprehensive spectroscopy of the pp-chain solar neutrinos. The talk will brifely summarize the latest Borexino results and will then focus on the description of the main sources of the systematic uncertainties. Since both solar and geoneutrino analyses are important scientific goals of the future large-volume liquid-scintillator experiments, particular attention will be payed to the description of methods developed for the estimation of the dominant systematic errors.

Primary author: Prof. LUDHOVA, Livia Ludhova (Forschungszentrum Juelich)

Presenter: Prof. LUDHOVA, Livia Ludhova (Forschungszentrum Juelich)Session Classification: Systemtics and Analysis technique Parallel