

EMMI workshop: Neutron Matter in Astrophysics: From Neutron Stars to the r-Process



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Neutrinos and Nucleosynthesis in Hot Outflows

Friday, 16 July 2010 16:30 (30 minutes)

We consider neutrinos and nucleosynthesis in several different environments: supernovae, gamma ray bursts and compact object mergers. We examine the role of neutrinos in the r-process, the p-process and in the formation of Nickel-26. We consider the impact of neutrino general relativistic effects and collective neutrino flavor transformation.

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Session Classification: Session 6: Mergers: EoS, neutrino outflows and r-process