ESF Exploratory Workshop on How to Constrain the High Density Symmetry Energy

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Abstract
Understanding compact star properties and the dynamics of supernova explosions essentially relies on our knowledge of the nuclear equation of state (EOS). The contemporary insight into the EOS is limited largely due to our poor knowledge of the density dependence of the nuclear symmetry energy. We believe that an international project should be launched aiming at further constraining the value of the symmetry energy at high densities.