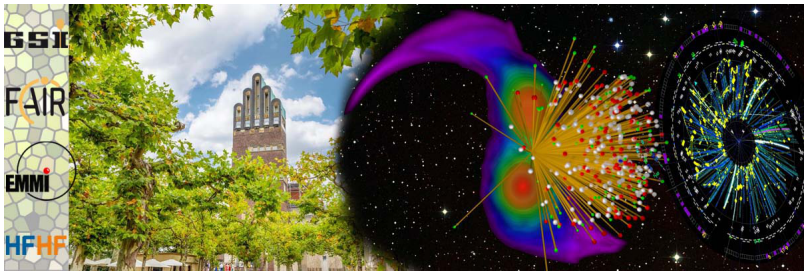

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Nuclear Symmetry Energy from Quantum Skyrmion Crystals

Wednesday, 20 September 2023 09:30 (25 minutes)

Recently, quite significant progress has been made in the description of nuclear matter and, in particular, its symmetry energy, at sufficiently high densities using skyrmion crystals and their semiclassical quantization. We briefly review these recent results and describe the challenges which still must be mastered in order to establish the Skyrme model framework as a reliable tool for the description of nuclear matter at intermediate and high densities.

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