

Neutron Electric Dipole Moment: from theory to experiment

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Aspects of strong CP violation

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In this talk, I will explore consequences of the QCD θ -term in our Universe as well as in the Multiverse. First, I discuss the bounds set by element generation in the Big Bang on the value of θ . Then, I present precision results on various couplings of the axion to matter and also discuss a recent proposal of enhanced axiproduction via the $\Delta(1232)$ resonance.

Presenter: Prof. MEISSNER, Ulf (University of Bonn)