

Neutron Beam EDM and Axion-Like Dark Matter

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The neutron represents a versatile tool in the realm of fundamental particle physics. It is used to perform precision physics measurements at low energies with the goal to search for beyond Standard Model signals. In this presentation, we will introduce activities currently pursued at the University of Bern. The projects encompass the hunt for a CP-violating neutron electric dipole moment using a pulsed beam and the search for a so-far undetected hypothetical axion-like particle as possible dark-matter candidate.

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