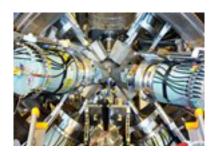
Workshop on Muonic Atom Spectroscopy



Contribution ID: 9 Type: Invited

Three different ways to look for NC parity violation with muons

Friday 21 October 2016 14:45 (30 minutes)

I will describe several conceptual schemes for detecting parity violating muon-nucleus interactions.

- 1. Muonic atoms, where Z=30 and higher atoms offer a possibility to look for 2S->1S parity violating transition.
- 2. Scattering of polarized muons, where muon spin is manipulated in a storage-ring type set-up.
- 3. Using optical activity type rotation of the transverse linear polarization of muons.

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