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Muon Veto for the PICO Dark Matter Search Experiment

Thursday 16 June 2016 10:00 (15 minutes)

The PICO (PICASSO+COUPP) experiment searches for cold dark matter through the direct detection of weakly interacting massive particles (WIMPs) via their spin-dependent interactions with fluorine at SNOLAB, Sudbury - ON. The detection principle is based on the bubble chamber technique. The muon veto for PICO-60 experiment has been developed to reject the signals from muons. Muons interaction can produce neutrons which can mimic the signals from WIMPs. In this talk the model, software and hardware of muon veto will be discussed.

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