



Theory Seminar

"Exploring TeV scale physics in decays of [ultra]cold neutrons"

Possible novel scalar and tensor interactions at the TeV scale lead to observable consequences in the decay distribution of neutrons. Such high precision experiments complement direct searches at the LHC. The biggest uncertainty in interpreting current proposed experiments and bounding the scale of these new interactions is the calculation of the scalar and tensor charges of the nucleon.



This talk will motivate the physics and describe the status of lattice QCD calculations being done to calculate these charges with the desired precision.

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