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Computing the properties of nuclei from QCD

Tuesday 5 November 2019 14:15 (15 minutes)

I will discuss recent advances in lattice QCD from the physics and computational points of view that have enabled basic a number properties and interactions of light nuclei to be determined directly from QCD. These calculations offer the prospect of providing nuclear matrix inputs necessary for a range of intensity frontier experiments (DUNE, mu2e) and dark matter direct-detection experiments along with well-quantified uncertainties.

Consider for promotion

Yes

Author: Dr DETMOLD, William (MIT)

Presenter: Dr DETMOLD, William (MIT)

Session Classification: Track 6 –Physics Analysis

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