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Nucleon Sigma Terms

Thursday, 20 June 2019 17:10 (20 minutes)

The BMW collaboration's recent calculation of the nucleon sigma terms, based on the Feynman-Hellmann theorem, will be presented. In different stages of the calculation advantages of staggered and Wilson fermions are exploited by fitting data generated with both fermion action. The fitting methods will be explained and the implications of the findings for the quark masses' contributions to the nucleon masses will be briefly discussed.

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