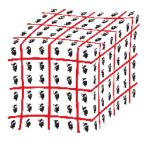
Lattice2010



Contribution ID: 174 Type: not specified

Baryon axial coupling constants and quark momentum fractions with Nf=2+1 dynamical fermions

Monday, 14 June 2010 17:00 (20 minutes)

In this talk we will report on recent results of the QCDSF Collaboration on investigations of baryon structure using configurations generated with Nf=2+1 dynamical flavours of O(a)-improved Wilson fermions. With the strange quark mass as an additional dynamical degree of freedom in our simulations we avoid the need for a partially quenched approximation when investigating the properties of particles containing a strange quark, e.g. the hyperons. In particular, we will focus on the nucleon and hyperon axial coupling constants and quark momentum fractions.

Please, insert your presentation type (talk, poster)

talk

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Session Classification: Parallel 02: Hadronic structure and interactions

Track Classification: Hadronic structure and interactions