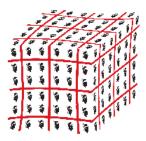
Lattice2010



Contribution ID: 85 Type: not specified

Running of the Schroedinger functional coupling with four massless flavours

Tuesday, 15 June 2010 17:00 (20 minutes)

I discuss the status of different determinations of alpha_s, motivating a precise and reliable computation from lattice QCD. In order to suppress perturbative errors, the non-perturbative computation has to reach high energy scales mu. Such results already exist in the SF-scheme for Nf=0,2,3 . We now add the running with four massless flavours in a range of alpha from about 0.07 to 0.3 . It is based on our recent determination of the Sheikholeslami Wohlert coefficient in the four-flavour theory.

Please, insert your presentation type (talk, poster)

talk

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