



Contribution ID : 234

Type : **Talk**

Determining α_s by using the gradient flow in the quenched theory

Monday, 25 July 2016 17:45 (20)

We present preliminary results to determine the strong coupling constant by using the gradient flow. Pure SU(3) gauge theory is studied. We carry out a direct analysis on very fine zero temperature lattices. In addition we attempt to move towards the perturbative regime by using step-scaling.

Primary author(s) : Dr LAMBROU, Eliana (University of Wuppertal)

Presenter(s) : Dr LAMBROU, Eliana (University of Wuppertal)

Session Classification : Standard Model Parameters and Renormalization

Track Classification : Standard Model Parameters and Renormalization