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HAL-QCD Approach to Interquark Potentials

Wednesday 31 March 2021 16:18 (6 minutes)

In this short talk I will be briefly talking through an approach used in lattice QCD to calculate the interquark potential: the potential felt between quarks in a bound state due to the presence of the other quarks in that state. I will introduce the concept by recreating an early piece of work in the area and then, time permitting, explain how I am extending this early work to reduce errors and calculate the potential over distances that are non-integer multiples of the lattice spacing.

Presenter: SPRIGGS, Thomas

Session Classification: Student Session