



Contribution ID: 34

Type: **Oral presentation**

Highly excited pure gauge SU(3) flux tubes

Wednesday, July 28, 2021 2:45 PM (15 minutes)

Flux tube spectra are expected to have full towers of levels due to the quantization of the string vibrations. We study a spectrum of flux tubes with static quark and antiquark sources with pure gauge SU(3) lattice QCD in 3+1 dimensions up to a significant number of excitations. To go high in the spectrum, we specialize in the most symmetric case Σ_g^+ , use a large set of operators, solve the generalized eigenvalue and compare different lattice QCD gauge actions and anisotropies.

Primary authors: BICUDO, Pedro (IST Lisboa); Dr CARDOSO, Nuno (IST, Univ. Lisboa); Mr SHARIFIAN, Alireza (IST, Univ. Lisboa)

Presenter: BICUDO, Pedro (IST Lisboa)

Session Classification: Hadron Spectroscopy and Interactions

Track Classification: Hadron Spectroscopy and Interactions