



Contribution ID: 5

Type: **not specified**

Application of Hyperspherical Three-Body Variables to Lattice QCD Data: Is the Three-Quark Confining Potential Y-string or Δ -string?

Sunday 11 March 2018 20:00 (30 minutes)

We analyze the recent lattice QCD results by Koma & Koma (2017), as well as the old ones by Takahashi et al. (2002) in terms of hyper-spherical three-body coordinates with a view to an interpretation in terms of a string model, either Delta or Y-string. We show that the presently extant data does not fully support either the Delta, or the Y-string. We suggest specific new sets of lattice configurations, for future computations, that allow simple(r) discrimination between the two string potentials.

Author: DMITRASINOVIC, Veljko

Presenter: DMITRASINOVIC, Veljko

Session Classification: Talks Sunday