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T_{QQ} -like states from QCD Laplace sum rules and Double ratio of sum rules

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Motivated by the recent LHCb-group discovery of an exotic hadron at 3878 MeV interpreted as $J^P = 1^+$ T_{cc} tetraquark state, we improve in this work the existing results from QCD Spectral Sum Rules (QSSR) at lowest order (LO) by combining the mass determinations from the ratio R of Inverse Laplace sum rules (LSR) with the double ratio of sum rules (DRSR). In so doing, we start by improving the previous mass and coupling of the X(3872) which will be used as input in the DRSR method. We extend our analyzes to the SU3 breaking $T_{cc\bar{s}\bar{u}}$ state and to the bottom sector.

Primary author: RABETIARIVONY, Davidson (Institute of High Energy Physics of Madagascar, University of Antananarivo)

Presenter: RABETIARIVONY, Davidson (Institute of High Energy Physics of Madagascar, University of Antananarivo)

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