



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 3291

Type: Oral (Non-Student) / Orale (non-étudiant(e))

Meson spectroscopy using holographic QCD plus 't Hooft equation

Monday 6 June 2022 17:15 (15 minutes)

The light-front wavefunction of mesons is the product of the transverse and longitudinal modes. Holographic QCD leads to a Schrödinger-like equation for the transverse mode. We show that, when the longitudinal mode is obtained from the 't Hooft equation, the resulting wavefunction predicts remarkably well the meson spectroscopic data.

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Session Classification: M3-1 Advances in Nuclear and Particle Theory (DTP/DNP/PPD) | Progrès en théorie des particules et des noyaux (DPT/DPN/PPD)

Track Classification: Technical Sessions / Sessions techniques: Theoretical Physics / Physique théorique (DTP-DPT)