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Two Schrodinger-like equations for hadrons

Thursday 2 December 2021 10:10 (20 minutes)

In this talk, I will argue that the light-front holographic Schrodinger Equation and the 't Hooft Equation are complementary to each other in governing the transverse and longitudinal dynamics of colour confinement in hadrons. Together, they predict remarkably well the light, heavy-light and heavy-heavy hadrons spectroscopic data, with a universal confinement scale in the holographic Schrodinger Equation. In heavy-heavy hadrons, the confinement scales of the two equations coincide, reflecting the restoration of 3-dimensional rotational symmetry.

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