

XVth Quark Confinement and the Hadron Spectrum



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Scattering Amplitudes, strong coupling scales and the gauge-gravity double copy in extra dimensions

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The double copy mechanism relates the scattering amplitudes of Yang-Mills theories to the theory of gravity. In this talk I will demonstrate how gravitational amplitudes in arbitrary dimensions can be obtained via the double copy prescription of gauge theories. I will further demonstrate that the prescription holds even for compactified gauge theories, which can be related to compactified gravitational theories, and present the equivalent strong coupling scales of both theories.

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