

Virtual TEP Seminar

UCLA

Tuesday, April 6th @ 4:00PM

Via Zoom

“Unitarization in Kaluza Klein theory and the Geometric Bootstrap”

Kurt Hinterbichler (Case Western Reserve University)

Abstract: The infinite towers of massive particles present in Kaluza Klein reductions of Einstein gravity conspire to soften the high-energy behavior of the scattering of massive spin-2 states. The mechanism by which this occurs leads to a bootstrap procedure, analogous to the conformal bootstrap, that yields new non-trivial constraints on the eigenvalue spectra of closed Einstein manifolds.