SEMPARIS – Séminaires en région parisienne

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Particle Physics at LPTHE

Mardi 13 Mai 2025, 14 :00
LPTHE, library
Domaines : hep-ph

Titre : *Applying gauge/gravity duality for strongly interacting models*

Orateur : **Werner Porod (University of Würzburg)**

Résumé : *We use a holographic model of chiral symmetry breaking based on gauge/gravity duality to determine the mass spectrum of mesons and baryons in strongly interacting models. We introduce this approach by applying it to QCD taking into account the effect of different quark masses. We then move to Composite Higgs models. We first discuss models for which lattice data are at hand for comparison. The advantage of the holographic approach is that it can easily be used for a varying number of colors and flavours.*