Contribution ID: **106** Type: **Invited**

Emergence of excited hadron states from lattice, phenomenology and effective field theories

Thursday, 25 June 2026 11:30 (30 minutes)

What are the mechanisms behind the labyrinthine spectrum of excited hadrons? This question challenges our understanding of strong interaction and is of relevance to many applications where the exact parameters of these states influence interaction patterns.

In turn, many open questions in this regard hinge on a precise understanding of the multi-hadron dynamics. In the last decade a large progress has been made in this regard triggered and triggering specifically (by) new progress of Lattice QCD and Effective Field Theories. In my talk, I will show recent outcomes of this journey, including recent results on a1(1???), pi(1300) and omega(782) resonances.

Collaboration

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