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Hadron and Charm Physics in São Paulo: A Panoramic Perspective

This talk presents an overview of hadron physics research being carried out in São Paulo, focusing closely on the work of the group at the Federal and State University of São Paulo. We review the group's systematic application of unitarized effective field theories, three-body dynamics, and QCD sum rules to decode the non-perturbative regime. We discuss how these phenomenological results offer critical benchmarks for Lattice QCD data and, crucially, serve to motivate new experimental studies at global facilities.

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