The Proton Mass: At the Heart of Most Visible Matter

Trento, April 3 - 7, 2017

Main Topics

Hadron mass decomposition in terms of constituents:
Uniqueness of the decomposition, Quark mass, and quark and gluon energy contribution, Anomaly contribution, ...

Hadron mass calculations:
Lattice QCD (total & individual mass components), Approximated analytical methods, Phenomenological model approaches, ...

Experimental access to hadron mass components:
Exclusive heavy quarkonium production at threshold, nuclear gluonometry through polarized nuclear structure function, …

Confirmed Speakers and Participants

Alexandrou Constantia (Cyprus University), Brodsky Stan (SLAC), Burkardt Matthias (New Mexico State University), Chen Jian-Ping (Jefferson Lab), Chudakov Eugene (Jefferson Lab), Cloët Ian (Argonne National Lab), de Teramond Guy (University Costa Rica), Deshpande Abhay (Stony Brook University), Eichmann Gernot (Giessen University), Hafidi Kawtar (Michigan State University), Liu Keh Fei (University of Kentucky), Lorcé Cédric (École Polytechnique, Palaiseau), Mulders Piet (Erasmus University Rotterdam), Papavassiliou Joannis (Valencia University), Pascalutsa Vladimir (Johannes Gutenberg University of Mainz), Richards David (Jefferson Lab), Richards Craig (Argonne National Lab), Slifer Karl (University of New Hampshire), Mauro Anselmino (University of Torino & INFN), Xiangdong Ji (University of Maryland).

Organizers

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