

# Selected puzzles in particle physics

muon  $g-2$ , neutrino physics anomalies, anomalous  $e^+e^-$  production in  $^8\text{Be}$ , proton charge radius, hints for anomalies in bottom and top quark physics

**December 20 – 22, 2016**

Laboratori Nazionali di Frascati – FRASCATI (Italy)

<https://agenda.infn.it/conferenceDisplay.py?confId=12099>



## Scientific Programme

**Javier Virto**

(Bern)

Flavor anomalies in B physics

**Andrea Giammanco**

(Louvain, CP3)

Who ordered that? Investigation of the top-Higgs connection

**Mátyás Hunyadi**

(MTA Atomki, Debrecen)

Anomalous  $e^+e^-$  production in  $^8\text{Be}$

**Carlo Giunti**

(INFN Torino)

Short baseline neutrino anomalies

**Manfred Lindner**

(Heidelberg, Max Planck)

Reactor antineutrinos: anomalies, interpretations and new experiments

**Krzysztof Pachucki**

(Warsaw)

The proton charge radius conundrum

**Alberto Lusiani**

(SNS & INFN Pisa)

Muon  $g-2$  experiments

**Massimo Passera**

(INFN Padova)

Muon  $g-2$ : theoretical interpretations

## Organizing Committee

**Gennaro Corcella** (LNF)

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**Barbara Mele** (RM1)

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