

## Preface

The KLOE-2 workshop on  $e^+e^-$  collision physics at 1 GeV was held at the Frascati laboratories of INFN from 26 to 28 October 2016. It has been devoted to a thoroughly discussion of the KLOE-2 Physics program at DAΦNE, and more in general about topics related to  $e^+e^-$  Physics at 1 GeV c.m energy:

- CP and T violation, CPT and QM tests
- $K_S$  decays,  $\eta$ -meson decays and chiral lagrangians
- $\phi$ -meson decays, light hadron spectroscopy and transition form factors
- $\gamma\gamma$  Physics
- Dark force searches
- Hadronic contribution to the anomalous magnetic moment of the muon
- Low energy kaon interactions
- Future machines and new detectors

A special session has been devoted to new proposals for the measurement of the hadronic contribution to the muon  $g-2$ .

The Workshop consisted of plenary sessions held at the Bruno Touschek Auditorium Hall of the INFN Frascati Laboratories, with invited talks. The enthusiastic and interested participation of more than 60 people, including 28 invited speakers coming from all Europe, Russia, China, Canada and USA, contributed to the success of the workshop. All presentations can be found at the web site <http://agenda.infn.it/event/kloe2ws>. Written contributions from most of the invited speakers have been collected in this volume.

Frascati, Fall 2017

*The editor*

Antonio Di Domenico (Sapienza University and INFN - Rome)

*The Organizing Committee*

Caterina Bloise (LNF)  
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Enrico Graziani (Roma Tre)  
Andrzej Kupsc (Uppsala)  
Luca Trentadue (Parma)  
Graziano Venanzoni (LNF)

*Invited speakers*

Patrik Adlarson (Mainz)  
Giovanni Amelino-Camelia (Rome)  
Michele Arzano (Rome)  
Jose Bernabeu (Valencia)  
Catalina Curceanu (Frascati)  
Giancarlo D'ambrosio (Naples)  
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Simon Eidelmann (Novosibirsk)  
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Beatrix Hiesmayr (Vienna)  
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Karol Kampf (Prague)  
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