

**Fundamental Physics at the
strangeness frontier at
DAΦNE**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome : F. Bossi (LNF director), C. Curceanu, C. Guaraldo

Thursday, 25 February 2021 09:30 (30 minutes)

Presenters: BOSSI, Fabio (LNF); CURCEANU, Catalina Oana (LNF); GUARALDO, Carlo (LNF)

Session Classification: Morning Session 1

Contribution ID: 2

Type: **not specified**

Fundamental Physics at the strangeness Frontier at DAFNE

Thursday, 25 February 2021 10:00 (30 minutes)

Presenter: CURCEANU, Catalina Oana (LNF)

Session Classification: Morning Session 1

Contribution ID: 3

Type: **not specified**

What we do now at DAFNE? SIDDHARTA-2 is getting started

Thursday, 25 February 2021 10:30 (15 minutes)

Presenter: SIRGHI, Florin Catalin (LNF)

Session Classification: Morning Session 1

Contribution ID: 4

Type: **not specified**

Lambda(1405) and the antikaon-nucleon potential

Thursday, 25 February 2021 10:45 (30 minutes)

Presenter: Dr HYODO, Tetsuo

Session Classification: Morning Session 1

Contribution ID: 5

Type: **not specified**

K⁺-NN-oriented phenomenology of kaonic atoms and future experiments

Thursday, 25 February 2021 11:30 (30 minutes)

Presenter: Prof. ELI, Friedman

Session Classification: Morning Session 1

Contribution ID: 6

Type: **not specified**

Chances to test Lambda(1405) via " upper" atomic level measurements

Thursday, 25 February 2021 12:00 (30 minutes)

Presenter: Prof. SLAWOMIR, Wycech

Session Classification: Morning Session 1

Contribution ID: 7

Type: **not specified**

Kaon masses. Why are they important?

Thursday, 25 February 2021 12:30 (30 minutes)

Presenter: EIDELMAN, Simon (Budker Institute of Nuclear Physics)

Session Classification: Morning Session 1

Contribution ID: 8

Type: **not specified**

K^{Λ} -NN absorption and kaonic atoms

Thursday, 25 February 2021 14:15 (30 minutes)

Presenter: Dr OBERTOVA, Jaroslava

Session Classification: Afternoon Session 1

Contribution ID: 9

Type: **not specified**

On a quasi-bound state in the K^- - d system caused by strong interactions

Thursday, 25 February 2021 14:45 (30 minutes)

Presenter: Prof. SHEVCHENKO, Nina

Session Classification: Afternoon Session 1

Contribution ID: **10**

Type: **not specified**

Strangeness nuclear physics: Status and perspectives

Thursday, 25 February 2021 15:15 (30 minutes)

Presenter: MEISSNER, Ulf-G. (Univ. Bonn and FZ Jülich)

Session Classification: Afternoon Session 1

Contribution ID: 11

Type: **not specified**

Future kaonic atoms measurements at DAFNE

Thursday, 25 February 2021 16:00 (30 minutes)

Presenter: SCORDO, Alessandro (LNF)

Session Classification: Afternoon Session 1

Contribution ID: 12

Type: **not specified**

Kaon mass through kaonic atoms measurements with HPGe detectors at DAFNE

Thursday, 25 February 2021 16:30 (30 minutes)

Presenter: BOSNAR, Damir (Department of Physics, Faculty of Science, University of Zagreb)

Session Classification: Afternoon Session 1

Contribution ID: 13

Type: **not specified**

Search for the kaonium at the phi-factory

Thursday, 25 February 2021 17:00 (30 minutes)

Presenter: SILARSKI, Michal Zbigniew (LNF)

Session Classification: Afternoon Session 1

Contribution ID: 14

Type: **not specified**

The K-pp system with a momentum-dependent type of Chiral SU(3)-based potential

Friday, 26 February 2021 09:00 (30 minutes)

Presenter: Prof. DOTE, Akinobu

Session Classification: Morning Session 2

Contribution ID: 15

Type: **not specified**

A new method to measure scattering length with threshold cusp

Friday, 26 February 2021 09:30 (30 minutes)

Presenter: TANIDA, Kiyoshi (Japan Atomic Energy Agency)

Session Classification: Morning Session 2

Contribution ID: 16

Type: **not specified**

Hyperons in compact stars and the transition to quark matter

Friday, 26 February 2021 10:00 (30 minutes)

Presenter: DRAGO, Alessandro (FE)

Session Classification: Morning Session 2

Contribution ID: 17

Type: **not specified**

Single-particle spectral function of the Lambda hyperon in finite nuclei

Friday, 26 February 2021 10:30 (30 minutes)

Presenter: VIDANA HARO, Isaac (CT)

Session Classification: Morning Session 2

Contribution ID: **18**

Type: **not specified**

Hyperons in neutron stars

Friday, 26 February 2021 11:15 (30 minutes)

Presenter: LOGOTETA, Domenico (PI)

Session Classification: Morning Session 2

Contribution ID: 19

Type: **not specified**

**A triangle singularity showing effects of the
Lambda(1405) above the Kbar N threshold in the K⁻ d
-> p Sigma⁻ reaction**

Friday, 26 February 2021 11:45 (30 minutes)

Presenter: Prof. OSET, Eulogio

Session Classification: Morning Session 2

Contribution ID: 20

Type: **not specified**

THEIA - a European Network for Strangeness Nuclear Physics

Friday, 26 February 2021 12:15 (30 minutes)

Presenter: Prof. POCHODZALLA, Josef

Session Classification: Morning Session 2

Contribution ID: 21

Type: **not specified**

Kaon-nucleon/nuclei interaction studies at DAΦNE present and future perspectives –1

Friday, 26 February 2021 14:15 (30 minutes)

Presenter: DEL GRANDE, Raffaele (LNF-INFN)

Session Classification: Afternoon Session 2

Contribution ID: 22

Type: **not specified**

Kaon-nucleon/nuclei interaction studies at DAΦNE present and future perspectives –2

Friday, 26 February 2021 14:45 (30 minutes)

Presenter: PISCICCHIA, Kristian (LNF)

Session Classification: Afternoon Session 2

Contribution ID: 23

Type: **not specified**

Study of the strong interaction among hadrons with correlations at the LHC

Friday, 26 February 2021 15:15 (30 minutes)

Presenter: VAZQUEZ DOCE, Oton (LNF)

Session Classification: Afternoon Session 2

Contribution ID: 24

Type: **not specified**

Kaonic nuclei interactions –future proposal for DAFNE

Friday, 26 February 2021 16:00 (30 minutes)

Presenter: ZMESKAL, Johann (Stefan Meyer Institute for Subatomic Physics)

Session Classification: Afternoon Session 2

Contribution ID: 25

Type: **not specified**

Discussion

Friday, 26 February 2021 16:30 (1 hour)

Session Classification: Afternoon Session 2