

# RKF 2019 - 2nd Forum on Rare Kaon decays



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II - DIPARTIMENTO DI  
FISICA "ETTORE PANCINI"



## Report of Contributions

Contribution ID : 1

Type : **not specified**

# Wellcome and Opening

*mercoledì 29 maggio 2019 14:00 (40)*

**Presenter(s)** : Dr. D'AMBROSIO, Giancarlo (INFN Napoli)

**Session Classification** : Welcome and first session

Contribution ID : 2

Type : **not specified**

## Latest results from NA48/2

*mercoledì 29 maggio 2019 14:40 (30)*

**Presenter(s)** : Dr. PICCINI, Mauro (INFN - Sezione di Perugia )

**Session Classification** : Welcome and first session

Contribution ID : 3

Type : **not specified**

## **Recent progress in kaon 4-body semileptonic decays**

*mercoledì 29 maggio 2019 15:10 (30)*

**Presenter(s)** : Dr. CATA, Oscar (Siegen University - Physics Departement)

**Session Classification** : Welcome and first session

Contribution ID : 4

Type : **not specified**

## **Search for lepton number and lepton flavour violation at NA62**

*mercoledì 29 maggio 2019 16:00 (30)*

**Presenter(s)** : Dr. LURKIN, Nicolas (University of Birmingham)

**Session Classification** : Welcome and first session

Contribution ID : 5

Type : **not specified**

## **Searches for the hidden sector at NA62**

*mercoledì 29 maggio 2019 16:30 (30)*

**Presenter(s)** : Dr. MARTELOTTI, Silvia (INFN Laboratori Nazionali di Frascati )

**Session Classification** : Welcome and first session

Contribution ID : 6

Type : **not specified**

## **Discussion: beyond standard model perspectives**

*mercoledì 29 maggio 2019 17:00 (90)*

**Session Classification :** Welcome and first session

Contribution ID : 7

Type : **not specified**

## $K^+ \rightarrow \pi^+ \mu^+ \mu^-$ from NA62

*giovedì 30 maggio 2019 09:30 (25)*

**Presenter(s)** : Dr. PARKINSON, Christopher John (University of Birmingham)

**Session Classification** : Morning session



Contribution ID : 8

Type : **not specified**

## **Latest results from kaon and hyperon decays at LHCb**

*giovedì 30 maggio 2019 09:55 (25)*

**Presenter(s)** : Dr. PROUVE, Claire (Universidade de Santiago de Compostela)

**Session Classification** : Morning session

Contribution ID : 9

Type : **not specified**

## **Kaon physics implications from B-anomalies**

*giovedì 30 maggio 2019 10:20 (25)*

**Presenter(s)** : Dr. MARZOCCA, David (INFN Trieste)

**Session Classification** : Morning session

Contribution ID : **10**

Type : **not specified**

## **$K^+ \rightarrow \pi^+ \nu \bar{\nu}$ from NA62**

*giovedì 30 maggio 2019 11:10 (25)*

**Presenter(s)** : Dr. LOLLINI, Riccardo (Università e INFN, Perugia )

**Session Classification** : Morning session

Contribution ID : 11

Type : **not specified**

## **Future KL $\rightarrow \pi^0 \nu \bar{\nu}$ measurement at CERN and the KOTO experiment**

*giovedì 30 maggio 2019 12:00 (30)*

**Presenter(s)** : Dr. MOULSON, Matthew (INFN Frascati)

**Session Classification** : Morning session

Contribution ID : **12**

Type : **not specified**

## **Rare and stranges decay at LHCb**

*giovedì 30 maggio 2019 11:35 (25)*

**Presenter(s)** : Dr. SANTOS, Diego Martinez (Universidade de Santiago de Compostela )

**Session Classification** : Morning session

Contribution ID : 13

Type : **not specified**

## **DISCUSSION: experimental perspectives**

*giovedì 30 maggio 2019 14:30 (180)*

**Session Classification :** Afternoon session

Contribution ID : 14

Type : **not specified**

## **Proof-of-concept calculation for a lattice determination of the $K \rightarrow \pi l l$ amplitude**

**Presenter(s)** : PORTELLI, Antonin (antonin.portelli@ed.ac.uk)

Contribution ID : 15

Type : **not specified**

**pippo**



Contribution ID : 16

Type : **not specified**

## **Proof-of-concept calculation for a lattice determination of the $K \rightarrow \pi l l$ amplitude**

*venerdì 31 maggio 2019 09:30 (30)*

**Presenter(s)** : PORTELLI, Antonin (The University of Edinburgh)

**Session Classification** : Morning session

Contribution ID : 17

Type : **not specified**

## **Applications of the all-to-all method in a lattice calculation of the $K \rightarrow \pi \ell \ell$ amplitude**

*venerdì 31 maggio 2019 10:00 (30)*

**Presenter(s)** : Mr. Ó HÓGÁIN, Fionn (The University of Edinburgh)

**Session Classification** : Morning session

Contribution ID : **18**

Type : **not specified**

## **The amplitudes of the $K \rightarrow \pi l l$ decays: theoretical aspects**

*venerdì 31 maggio 2019 10:30 (30)*

**Presenter(s)** : Dr. KNECHT, Marc (CPT/CNRS Marseille)

**Session Classification** : Morning session

Contribution ID : **19**

Type : **not specified**

## **Exploring model correlations between B anomalies and Rare K decays**

*venerdì 31 maggio 2019 11:20 (20)*

**Presenter(s)** : Dr. IYER, Abhishek (INFN Sezione di Napoli)

**Session Classification** : Morning session

Contribution ID : **20**

Type : **not specified**

## **DISCUSSION: lattice and phenomenological perspectives/RKF 2020**

*venerdì 31 maggio 2019 11:40 (80)*

**Session Classification :** Morning session