



**The Local Organizing Committee:**

Riccardo Cenci | SNS & INFN Pisa

Giampiero Mancinelli | CPPM Marseille

Michael J. Morello | SNS & INFN Pisa

Giovanni Punzi | Università & INFN Pisa

John Walsh | INFN Pisa

**The Scientific Committee:**

ELIE ASLANIDES | CPPM Marseille

CONCEZIO BOZZI | INFN Ferrara

GIAMPIERO MANCINELLI | CPPM Marseille

CLARA MATTEUZZI | University & INFN Milano Bicocca

DANIELE PEDRINI | INFN Milano Bicocca

GIOVANNI PUNZI | University & INFN Pisa

MARIE-HELENE SCHUNE | LAL Orsay

ACHILLE STOCCHI | LAL Orsay

LUCA TRENTADUE | University of Parma

**For more information:**

<http://agenda.infn.it/event/FlavourPhysicsHighIntensityPisa2014>

9-10 DECEMBER 2014 **THE LANDSCAPE OF FLAVOUR PHYSICS TOWARDS THE HIGH INTENSITY ERA**

Sala Azzurra  
Palazzo della Carovana  
Scuola Normale Superiore  
Piazza dei Cavalieri, 7  
Pisa - ITALY

The current state-of-the-art of flavour physics will be reviewed, with an emphasis on the interplay between experimental results and theory. Topics will include beauty, charm, and kaon physics and lepton flavour violation. There will be sessions devoted to future developments, both in the medium term and long term, as seen from the experimental and theoretical viewpoints. The focus of the workshop is to survey the landscape of flavour physics over the next decade and beyond.

Elaborazione a cura del Servizio Comunicazione e Relazioni Esterne | SNS

Information:  
Cultural Activities

+39 050 509307

+39 050 509-554/323/654



SCUOLA  
NORMALE  
SUPERIORE



## TUESDAY, 9 DECEMBER 2014

### Morning Session (Sala Azzurra)

09:00 Welcome

#### CURRENT STATUS OF FLAVOUR PHYSICS

09:15 **GIULIA RICCIARDI**, Università & INFN Napoli, IT  
*Status of CKM Paradigm*

09:45 **TOBIAS HURTH**, Max Planck Inst., Munich, DE  
*Rare B Decays*

10:15 **CHRISTOPH BOBETH**, TUM-IAS, Munich, DE  
*B Mixing*

10:45 Coffee Break

11:15 **JURE ZUPAN**, University of Cincinnati, USA  
*Charm Physics*

11:45 **EMILIE PASSEMAR**, Los Alamos Natl. Lab., USA  
*Lepton Flavour Physics*

12:30 Lunch Break (Palazzo D'Ancona Cafeteria, around the corner)

### Afternoon Session (Sala Azzurra)

#### EXPERIMENTAL STATUS AND NEAR-TERM PROSPECTS

14:00 **GUGLIELMO DE NARDO**, Università & INFN Napoli, IT  
*Status and Prospects of Belle II experiment*

14:30 **MARCO MAGGIORA**, Università & INFN Torino, IT  
*Status and Prospects of BES III experiment*

15:00 **GAIA LANFRANCHI**, INFN Lab. Naz. Frascati, IT  
*LHCb Upgrade: Physics Prospects*

15:30 Coffee Break

16:00 **ALESSANDRO CARDINI**, INFN Cagliari, IT  
*LHCb Upgrade: Detector Strategies*

16:30 **ALEXIS POMPILI**, Università & INFN Bari, IT  
*Status and Prospects of CMS experiment*

17:00 **SANDRO PALESTINI**, CERN, CH  
*Status and Prospects of ATLAS experiment*

17:30 **AUGUSTO CECCUCCI**, CERN, CH  
*Kaon Experiments*

19:30 Social Dinner at Restaurant Poldino (outside Pisa, transfer by bus)

## WEDNESDAY, 10 DECEMBER 2014

### Morning Session (Aula Bianchi)

#### LONGER TERM EXPERIMENTAL EVOLUTIONS

09:00 **GIOVANNI SIGNORELLI**, INFN Pisa, IT  
*LFV in  $\mu$  decays*

09:30 **MARIO GALANTI**, Università & INFN Padova, IT  
*Overview of CMS Phase 2 Program*

10:00 Coffee Break

10:30 **ALESSANDRO CERRI**, University of Sussex, UK  
*Overview of ATLAS Phase 2 Program*

11:00 **STEPHANE MONTEIL**, University Blaise Pascal, Clermont-Ferrand, FR  
*Leptonic and Hadronic Flavour Physics Potential at the FCC-ee*

11:30 **VINCENZO M. VAGNONI**, INFN Bologna, IT  
*An Extreme Flavour Experiment in the Future*

12:30 Lunch Break (Palazzo D'Ancona Cafeteria, around the corner)

### Afternoon Session (Sala Bianchi)

#### QUARK AND LEPTON FLAVOUR PHYSICS IN THE LONG TERM

14:00 **FRANCESCO SANFILIPPO**, University of Southampton, UK  
*Future of Lattice QCD*

14:30 **FULVIA DE FAZIO**, INFN Bari, IT  
*Quark Flavour Observables*

15:00 **AYAN PAUL**, INFN Roma1, IT  
*Charm of Future*

15:30 Coffee Break

16:00 **GIANCARLO D'AMBROSIO**, INFN Napoli, IT  
*The Future of Kaon Physics*

16:30 **LUCA SILVESTRINI**, INFN Roma1, IT  
*Impact of Future Experimental Scenarios on Flavour Physics*

17:00 Closing