



XXVIII Congresso Annuale SISN @FisMat 2017

Trieste, 4 - 6 Ottobre 2017

Programma

Mercoledì 4 Ottobre 2017

International Centre for Theoretical Physics ICTP
Trieste

13.00 Registrazione e benvenuto

14.30 **TAVOLA ROTONDA SULLA RICERCA IN ITALIA ORGANIZZATA DA FISMAT**

17.00 Coffee Break & Poster session

18.00 **FISMAT 2017 PLENARY TALK**

Information theory, data science and the curse of phase transitions

Marc Mézard

19.00 **VISITA A ELETTRA E FERMI**

Giovedì 5 Ottobre 2017

International Centre for Theoretical Physics ICTP
Trieste

9.00 **FISMAT 2017 PLENARY TALK**

New Opportunities at the European XFEL

Robert Feidenhans'l

10.00 Coffee Break & Poster session

10.30 **INCONTRO SISN & SILS**

11.30 **SISN SCIENTIFIC SESSION**

Timescale of phospholipid flip-flop revealed by neutron reflectometry

Yuri Gerelli

Floating Lipid Bilayers at the Liquid/Liquid interface

Ernesto Scoppola

The Effect of Room-Temperature Ionic Liquids on (model) Biomembranes: a joint Neutron Scattering, AFM, and Computer Simulation Study

Antonio Benedetto

14 MeV neutrons for medical application: a scientific case $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ production

Antonino Pietropaolo

A possible approach to 14 MeV neutron moderation: A preliminary study case

Davide Flammini

Modelling Option USANS for SANS instruments: the project OPUS for LoKI@ESS and the upgrade of D11@ILL

Claudia Mondelli

13.30 **PRANZO**

14.30 **SISN SPECIAL SESSION**

20 YEARS OF PARTNERSHIP BETWEEN ILL AND ITALY

Welcome address

Neutron Landscape in Europe

Caterina Petrillo

Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering

Stefano Carretta

Amyloid β peptides aggregation and their interaction with raft-mimic model membranes

Valeria Rondelli

Neutrons for Energy. How neutron spectroscopy helps understanding thermoelectric materials

Andrea Piovano

Hydration vs. Bulk Water: what we have learnt from high-frequency collective modes

Andrea Orecchini

Italian activities at ILL

Francesca Natali

16.40 Coffee break & Poster session



17.00 **FISMAT 2017 PLENARY TALK**

Italy and the ILL: two decades of successful collaborations

Mark Johnson

18.00 **FISMAT 2017 PLENARY TALK**

Liquid Tuneable Microscopy

Alberto Diaspro

19.00 **COCKTAIL**

20.30 **CENA SOCIALE**

Venerdì 6 Ottobre 2017

International Centre for Theoretical Physics ICTP

Trieste

9:00 **SISN scientific session**

Total neutron scattering: order within disorder

Silvia Imberti

9.30 **Progetti Italiani per ESS: a che punto siamo?**

T-Rex: A bispectral chopper spectrometer for ESS

Andrea Orecchini

The VESPA spectrometer at ESS

Stefano Bellissima

SANS detectors

Giuseppe Gorini

10.15 **Neutroni made in Italy: un futuro possibile?**

LINUS: the Legnaro integrated neutron sources suite

Luca Silvestrin

Sorgentina

Fabio Bruni



10.45 ILL & ISIS: stato e prospettive

ILL

Francesca Natali

ISIS

Silvia Imberti

11.15 Coffee break

11.15 Coffee break

11.45 ASSEMBLEA DEI SOCI SISN

13.30 CONCLUSIONI E SALUTI