

The LNF Institute



Winter

Quark Gluon Plasma, and the first LHC results

LNFI-2011-1

1 March - 8 March 2011

Laboratori Nazionali di Frascati

Introductory Lectures :
Helmut Satz (Bielefeld)

Topical Seminars:

Gennaro Corcella (LNF-TH),

Vittorio Del Duca (LNF-TH),

Pasquale Di Nezza (LNF-EXP),

Daniele Guido (TOV-Mathematics),

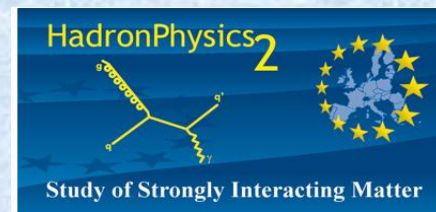
Maria Paola Lombardo (LNF-TH),

Gerardo Morsella (TOV-Mathematics),

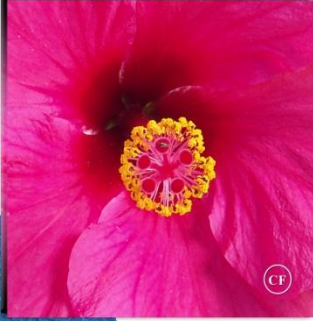
Giulia Pancheri (LNF-TH),

Bhupendra Nath Tivari (LNF-TH)

Discussions & Workshopping



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1 March 2011

Aula Touschek

11:00 11:45 *Helmut Satz*

Quark Gluon Plasma I

11:45 12:00 Break

12:00 12:45 *Helmut Satz*

Quark Gluon Plasma II

16:00 Tea in Auletta A1

2 March 2011

Aula Touschek

11:00 11:45 *Helmut Satz*

Quark Gluon Plasma III

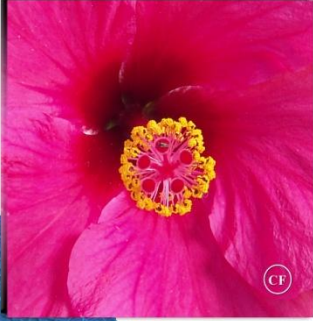
11:45 12:00 Break

12:00 12:45 *Helmut Satz*

Quark Gluon Plasma IV

16:00 Tea in Auletta A1

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3 March 2011

Aula Seminari

11:00 12:00 *Giulia Pancheri*

Soft gluon kt-resummation for total and inelastic cross-sections at LHC at $\sqrt{s} = 7$ TeV

12:00 13:00 *Pasquale di Nezza*

News from ALICE

15:00 16:00 *Bhupendra Nath Tiwari*

Correlations and quark number susceptibilities in thermodynamic geometry

16:00 Tea in Auletta A1

4 March 2011

Aula Seminari

11:00 12:00 *Gerardo Morsella*

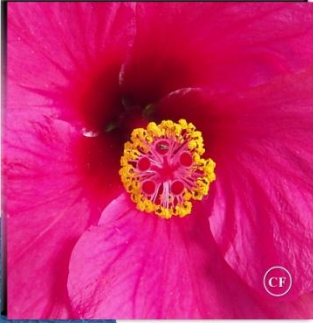
Confinement: A mathematical perspective

15:00 16:00 *Gennaro Corcella*

Progress in medium-modified parton showers

16:00 Tea in Auletta A1

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7 March 2011

Aula Seminari

11:00 12:00 *Vittorio del Duca*

12:00 13:00 *Daniele Guido*

Operator algebras, KMS Thermal states and
Hawking-Unruh radiation.

15:00 16:00 *Maria Paola Lombardo*

Bottomonium and Quark Gluon Plasma

16:00 Tea in Auletta A1

8 March 2011

Aula Touschek

15:00 *Fabio Cerutti*

Muon Signatures in ATLAS (Seminario Generale)