

Plenary Program

Plenary Program (Chan Centre)

Monday July 5 2010

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| Chairs: N. Lockyer (Canada) M. Oka (Japan) |
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Opening Remarks

08:30-08:45 *Opening talk*

08:45-09:30 *P. Braun-Munzinger (ExtreMe Matter Institute EMMI, GSI)
Nuclear Physics: Present & Future*

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| Session 1: Hot and Dense QCD |
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09:30-10:00 J. Nagle (University of Colorado)
Hot QCD Matter: Lessons Learned Over the Past Decade, and New Questions for the Next Decade

10:00-10:30 K. Fukushima (Yukawa Institute for Theoretical Physics)
Phases of QCD - Baryon Rich State of Matter

10:30-11:00 Coffee

11:00-11:30 J. Y. Ollitrault (Institute of Theoretical Physics (IPhT))
Phenomenology of the Little Bang

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| Session 2: Hadrons in Nuclei |
| Chairs: J.P. Blaizot (France) M. Dong-Pil (Korea) |

11:30-12:00 T. Nagae (Kyoto University)
Strangeness in Nuclear Physics

12:00-12:30 E. Piasezky (Tel Aviv University)
Nuclear Studies with Hard Knockout Reactions

Tuesday July 6 2010

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| Session 3: Nuclear Astrophysics |
| Chairs: A. Richter (Italy) R. Kanungo (Canada) |

08:00-08:30 J. Blackmon (Louisiana State University)
What Do (and don't) We Understand About Explosive Nucleosynthesis?

08:30-09:00 G. Imbriani (University of Naples "Federico II" and INFN section of Naples)
Direct Measurements of Cross Section of Astrophysical Interest

09:00-09:30 C. Horowitz (Indiana University)
Neutron Rich Matter and Neutron Stars and Their Crusts

09:30-10:00 T. Janka (Max Planck Institute for Astrophysics)
Core-collapse Supernovae as Testbed of Nuclear and Neutrino Physics

10:00-10:30 Coffee

Plenary Program

Session 4: Nuclear Reactions

Chairs: J. Stachel (Germany)
S. Gales (France)

- 10:30-11:00 P. Roussel-Chomaz (GANIL)
Reactions with Exotic Nuclei: Recent Results and Challenges
- 11:00-11:30 P. Navratil (Lawrence Livermore National Laboratory)
Ab Initio Theory of Light-ion Reactions
- 11:30-12:00 Y. Oganessian (Joint Institute for Nuclear Research (JINR))
Superheavy Nuclei From 48Ca-induced Reactions
- 12:00-12:30 J. Benlliure (University of Santiago de Compostela)
Recent Highlights on Fragmentation Reactions

Wednesday July 7 2010

Session 5: New Facilities and Instrumentation

Chairs: M. Borge (Spain)
R. Tribble (USA)

- 08:00-08:30 S. Nagamiya (J-PARC)
Overview Hadron Facilities
- 08:30-09:00 B. Fulton (University of York)
Present and Future RIB Facilities
- 09:00-9:30 J. Jowett (CERN)
Facilities for the Energy Frontier of Nuclear Physics
- 9:30-10:00 N. Smith (SNOLAB)
Developments in Underground Facilities

Session 6: Applications and Interdisciplinary Research

Chairs: B. Jonson (Sweden)
M. Pfutzner (Poland)

- 10:00-10:30 D. Dean (DOE)
Energy Future and Nuclear Physics
- 10:30-11:00 Coffee**
- 11:00-11:30 S. Kailas (Bhabha Atomic Research Centre)
Sub-critical Thorium Reactors Developments
- 11:30-12:00 A. MacFarlane (UBC)
New Applications of Beta Detected NMR in the Study of Condensed Matter at the Nanoscale

Award Session

Chairs: D. Riska (Finland, IUPAP C-12)
J.-M. Poutissou (Canada, IUPAP C-12)

- 12:00-12:20 Introduction & best poster and presentation award
- 12:20-12:40 1st IUPAP young scientist award
- 12:40-13:00 2nd IUPAP young scientist award
- 13:00-13:20 3rd IUPAP young scientist award

