

Synopsis of the Daily Programme

Monday, March 16, 2009

MON

Opening Session

Audi

09:00

Hadronic and Nuclear Physics Division (HK)

Invited Talks

HK 1.1 10:00-10:30 Audi
Detection of dark matter : status and prospects
•*Gilles Gerbier*

HK 2.1 11:00-11:30 Audi
The Strongly Coupled Quark Gluon Plasma
Produced at RHIC
•*Axel Drees*

HK 2.2 11:30-12:00 Audi
The structure of the nucleon from DIS experiments
•*Franco Bradamante*

HK 2.3 12:00-12:30 Audi
Moments of Exotic Nuclei
•*Gerda Neyens*

HK 2.4 12:30-13:00 Audi
Non-exponential electron capture decay of
hydrogen-like ions
•*Yuri Litvinov*

Sessions

HK 1 09:00-10:30 Audi
Plenary I

HK 2 11:00-13:00 Audi
Plenary II

HK 3 14:00-16:00 H-ZO 10
Heavy Ion Collisions and QCD phases

HK 4 14:00-16:00 H-ZO 20
Hadron Structure and Spectroscopy I

HK 5	14:00-16:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 6	14:00-16:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 7	14:00-16:00 Nuclear Structure and Dynamics II	H-ZO 50
HK 8	14:00-16:00 Astroparticle Physics	H-ZO 70
HK 9	14:00-16:00 Accelerators and Instrumentation I	H-ZO 80
HK 10	14:00-16:00 Accelerators and Instrumentation II	H-ZO 90
HK 11	14:00-16:00 Few-body physics	H-ZO 100
HK 12	16:30-19:00 Heavy Ion Collisions and QCD phases	H-ZO 10
HK 13	16:30-19:00 Hadron Structure and Spectroscopy I	H-ZO 20
HK 14	16:30-19:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 15	16:30-19:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 16	16:30-19:00 Nuclear Structure and Dynamics II	H-ZO 60
HK 17	16:30-19:00 Astroparticle Physics	H-ZO 70
HK 18	16:30-19:00 Accelerators and Instrumentation I	H-ZO 80
HK 19	16:30-19:00 Accelerators and Instrumentation II	H-ZO 90
HK 20	16:30-19:00 Energy for the future	H-ZO 50

Tuesday, March 17, 2009

Hadronic and Nuclear Physics Division (HK)

Invited Talks

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|---------|--|------|
| HK 21.1 | 09:00-09:30 | Audi |
| | Lattice QCD in Hadron Physics | |
| | • <i>Andreas Schäfer</i> | |
| HK 21.2 | 09:30-10:00 | Audi |
| | Nuclear Astrophysics with Radioactive Beams | |
| | • <i>Philip Woods</i> | |
| HK 21.3 | 10:00-10:30 | Audi |
| | Nuclear force studies in few-nucleon systems | |
| | • <i>Johan Messchendorp</i> | |
| HK 22.1 | 11:00-11:45 | Audi |
| | LHC Experiments and Physics | |
| | • <i>Peter Jenni</i> | |
| HK 22.2 | 11:45-12:30 | Audi |
| | Cosmic Matter in the FAIR Laboratory | |
| | • <i>Horst Stoecker</i> | |
| HK 22.3 | 12:30-13:00 | Audi |
| | SPIRAL2 at GANIL: Next Generation of ISOL facility for intense secondary radioactive ion beams | |
| | • <i>Sydney Gales</i> | |

Sessions

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|-------|-------------------------------------|---------|
| HK 21 | 09:00-10:30 | Audi |
| | Plenary III | |
| HK 22 | 11:00-13:00 | Audi |
| | Plenary IV | |
| HK 23 | 14:00-16:00 | H-ZO 10 |
| | Heavy Ion Collisions and QCD phases | |
| HK 24 | 14:00-16:00 | H-ZO 20 |
| | Hadron Structure and Spectroscopy I | |

HK 25	14:00-16:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 26	14:00-16:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 27	14:00-16:00 Nuclear Structure and Dynamics II	H-ZO 50
HK 28	14:00-16:00 Nuclear Astrophysics	H-ZO 60
HK 29	14:00-16:00 Astroparticle Physics	H-ZO 70
HK 30	14:00-16:00 Accelerators and Instrumentation I	H-ZO 80
HK 31	14:00-16:00 Accelerators and Instrumentation II	H-ZO 90
HK 32	14:00-15:45 Few-body physics	H-ZO 100
HK 33	16:30-19:00 Heavy Ion Collisions and QCD phases	H-ZO 10
HK 34	16:30-19:00 Hadron Structure and Spectroscopy I	H-ZO 20
HK 35	16:30-19:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 36	16:30-19:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 37	16:30-19:00 Nuclear Structure and Dynamics II	H-ZO 50
HK 38	16:30-18:45 Nuclear Astrophysics	H-ZO 60
HK 39	16:30-18:30 Astroparticle Physics	H-ZO 70
HK 40	16:30-19:00 Accelerators and Instrumentation I	H-ZO 80

HK 41	16:30-19:00 Accelerators and Instrumentation II	H-ZO 90
HK 42	16:30-18:15 Few-body physics	H-ZO 100

Public Evening Lecture (Entrance free)

19:00 Audi
Applications of Nuclear Physics
•*Walter Kutschera*

Exhibition of Scientific Instruments and Literature

09:00-17:00 Foyer Audi

Wednesday, March 18, 2009

Hadronic and Nuclear Physics Division (HK)

Invited Talks

HK 43.1	09:00-09:30 Determination of V_{ud} from mirror transitions and the role of atom and ion traps • <i>Oscar Naviliat-Cuncic</i>	Audi
HK 43.2	09:30-10:00 Light Meson Experiments • <i>Tord Johansson</i>	Audi
HK 43.3	10:00-10:30 Nuclear Astrophysics at the Gran Sasso underground laboratory • <i>Heide Costantini</i>	Audi
HK 44.1	11:00-11:45 Symmetries and phase transitions in nuclei • <i>Francesco Iachello</i>	Audi
HK 44.2	11:45-12:30 ALICE at the dawn of LHC • <i>Kai Schweda</i>	Audi

HK 44.3 12:30-13:00 Audi
 NuPECC: A New Long Range Plan for Nuclear
 Physics in Europe
 •*Guenther Rosner*

Sessions

HK 43	09:00-10:30 Plenary V	Audi
HK 44	11:00-13:00 Plenary VI	Audi
HK 45	14:00-16:00 Heavy Ion Collisions and QCD phases	H-ZO 10
HK 46	14:00-16:00 Hadron Structure and Spectroscopy I	H-ZO 20
HK 47	14:00-16:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 48	14:00-16:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 49	14:00-16:00 Nuclear Structure and Dynamics II	H-ZO 50
HK 50	14:00-16:00 Nuclear Astrophysics	H-ZO 60
HK 51	14:00-16:00 Fundamental Symmetries	H-ZO 70
HK 52	14:00-16:00 Accelerators and Instrumentation I	H-ZO 80
HK 53	14:00-16:00 Accelerators and Instrumentation II	H-ZO 90
HK 54	14:00-16:00 Nuclear Physics Applications	H-ZO 100
HK 55	16:30-19:00 Heavy Ion Collisions and QCD phases	H-ZO 10
HK 56	16:30-19:00 Hadron Structure and Spectroscopy I	H-ZO 20

HK 57	16:30-19:00 Hadron Structure and Spectroscopy II	H-ZO 30
HK 58	16:30-19:00 Nuclear Structure and Dynamics I	H-ZO 40
HK 59	16:30-19:00 Nuclear Structure and Dynamics II	H-ZO 50
HK 60	16:30-18:45 Nuclear Astrophysics	H-ZO 60
HK 61	16:30-18:45 Fundamental Symmetries	H-ZO 70
HK 62	16:30-19:00 Accelerators and Instrumentation I	H-ZO 80
HK 63	16:30-19:00 Accelerators and Instrumentation II	H-ZO 90
HK 64	16:30-18:15 Nuclear Physics Applications	H-ZO 100
	19:00 Annual General Meeting of the Hadronic and Nuclear Physics Division	H-ZO 80

Exhibition of Scientific Instruments and Literature

09:00-17:00

Foyer Audi

Thursday, March 19, 2009

Hadronic and Nuclear Physics Division (HK)

Invited Talks

HK 65.1	09:00-09:30 Hypernuclear Physics • <i>Tullio Bressani</i>	Audi
HK 65.2	09:30-10:00 Neutrino Mass and Oscillations • <i>Christian Weinheimer</i>	Audi

HK 65.3	10:00-10:30	Audi
	The QCD phase diagram from lattice simulations	
	• <i>Owe Philipsen</i>	
HK 66.1	11:00-11:30	Audi
	Precision experiments with cold and ultracold neutrons	
	• <i>Klaus Kirch</i>	
HK 66.2	11:30-12:00	Audi
	Spectroscopy with Belle, BaBar, BES, PANDA.	
	• <i>Diego Bettoni</i>	
HK 66.3	12:00-12:30	Audi
	Density Functionals in Nuclear Structure Physics	
	• <i>Dario Vretenar</i>	
HK 66.4	12:30-13:00	Audi
	Two-proton radioactivity as a tool of nuclear structure	
	• <i>Bertram Blank</i>	
	Sessions	
HK 65	09:00-10:30	Audi
	Plenary VII	
HK 66	11:00-13:00	Audi
	Plenary VIII	
HK 67	14:00-16:00	Audi
	Poster Session	
HK 68	16:30-19:00	H-ZO 10
	Heavy Ion Collisions and QCD phases	
HK 69	16:30-19:00	H-ZO 20
	Hadron Structure and Spectroscopy I	
HK 70	16:30-19:00	H-ZO 30
	Hadron Structure and Spectroscopy II	
HK 71	16:30-19:00	H-ZO 40
	Nuclear Structure and Dynamics I	
HK 72	16:30-19:00	H-ZO 50
	Nuclear Structure and Dynamics II	

HK 73	16:30-18:00 Nuclear Astrophysics	H-ZO 60
HK 74	16:30-18:30 Fundamental Symmetries	H-ZO 70
HK 75	16:30-19:00 Accelerators and Instrumentation I	H-ZO 80
HK 76	16:30-19:00 Accelerators and Instrumentation II	H-ZO 90
HK 77	16:30-18:00 Nuclear Physics Applications	H-ZO 100

Exhibition of Scientific Instruments and Literature

09:00-17:00

Foyer Audi

Conference Dinner

19:00

Mensa

Friday, March 20, 2009

Hadronic and Nuclear Physics Division (HK)

Invited Talks

- HK 78.1 09:00-09:30 Audi
Overview on Physics with radioactive ion beams
•*Zsolt Podolyak*
- HK 78.2 09:30-10:00 Audi
Field Theory in Hadron Physics
•*Marc Vanderhaeghen*

Sessions

- HK 78 09:00-10:30 Audi
Plenary IX
- HK 79 11:00-12:45 H-ZO 10
Heavy Ion Collisions and QCD phases
- HK 80 11:00-12:45 H-ZO 20
Hadron Structure and Spectroscopy I
- HK 81 11:00-12:45 H-ZO 30
Hadron Structure and Spectroscopy II
- HK 82 11:00-12:45 H-ZO 40
Nuclear Structure and Dynamics I
- HK 83 11:00-12:45 H-ZO 50
Nuclear Structure and Dynamics II
- HK 84 11:00-12:45 H-ZO 80
Accelerators and Instrumentation I
- HK 85 11:00-12:45 H-ZO 90
Accelerators and Instrumentation II
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