

STORI'08

Report of Contributions

Contribution ID: 5

Type: **Oral**

Welcoming address

Monday, 15 September 2008 08:30 (10 minutes)

Presenter: Prof. XIAO, Guoqing (Institute of Modern Physics, CAS)

Contribution ID: 7

Type: **Oral**

Hadron physics at COSY

Monday, 15 September 2008 08:40 (40 minutes)

Presenter: Prof. KHOUKAZ, Alfons (Univ. Münster, Germany))

Contribution ID: 8

Type: **Oral**

HIRFL-CSR physics program

Monday, 15 September 2008 09:20 (40 minutes)

Presenter: Prof. XU, Hushan (Institute of Modern Physics, CAS)

Contribution ID: 9

Type: **not specified**

HIRFL-CSR physics program

Presenter: Prof. XU, Hushan (IMP, China)

Contribution ID: **10**Type: **Oral**

Hadron physics studied at LEPS/SPring-8

*Monday, 15 September 2008 10:20 (40 minutes)***Presenter:** Prof. NAKANO, Takashi (RCNP, Osaka Univ., Japan)

Contribution ID: 11

Type: **Oral**

Project of the Nuclotron-based Ion Collider fAcility (NICA) at JINR

*Monday, 15 September 2008 11:00 (40 minutes)***Presenter:** Prof. MESHKOV, Igor (JINR, Russia)

Contribution ID: 12

Type: **Oral**

New results from the Bates Large Acceptance Spectrometer Toroid (BLAST)

Monday, 15 September 2008 11:40 (40 minutes)

Presenter: Prof. GAO, Haiyan (Duke Univ., USA)

Contribution ID: **13**

Type: **not specified**

Lunch

Contribution ID: 14

Type: **not specified**

Non-strange meson production with hadronic probes

*Monday, 15 September 2008 14:00 (30 minutes)***Presenter:** Prof. HANHART, Christoph (FZ-Jülich, Germany)

Contribution ID: 15

Type: **not specified**

Strangeness production

Monday, 15 September 2008 14:30 (30 minutes)

Presenter: Prof. SIBIRTSEV, Alexander (Univ. Bonn/JLab, Germany)

Contribution ID: 16

Type: **not specified**

Recent results from KLOE at Daφne

*Monday, 15 September 2008 15:00 (30 minutes)***Presenter:** Prof. MARTINI, Matteo (INFN-LNF, Italy)

Contribution ID: 17

Type: **not specified**

Coffee break

Contribution ID: **18**Type: **not specified**

Recent results from BESII and physics prospects at BESIII

*Monday, 15 September 2008 15:50 (30 minutes)***Presenter:** Prof. SHEN, Xiaoyan (IHEP, China)

Contribution ID: 19

Type: **not specified**

Status of the design of the FAIR storage rings

*Monday, 15 September 2008 16:20 (40 minutes)***Presenter:** Prof. STECK, Markus (GSI, Germany)

Contribution ID: 20

Type: **not specified**

Overview on the HIRFL-CSR facility

*Monday, 15 September 2008 17:00 (30 minutes)***Presenter:** Prof. XIAO, Guoqing (IMP, China)

Contribution ID: 21

Type: **not specified**

Conference Photo (Place: Main gate of IMP) Tour of IMP

Monday, 15 September 2008 17:30 (1 hour)

Contribution ID: **22**

Type: **not specified**

Dinner

Contribution ID: 23

Type: **not specified**

Cultural evening

Contribution ID: 24

Type: **Oral**

Polarization by spin filtering in storage rings

*Tuesday, 16 September 2008 08:30 (30 minutes)***Presenter:** Prof. LENISA, Paolo (Univ. Ferrara/INFN, Italy)

Contribution ID: 25

Type: **Oral**

Polarisation of the ω meson in the $pd \rightarrow 3\text{He } \omega$ reaction

*Tuesday, 16 September 2008 09:00 (20 minutes)***Presenter:** Prof. HÖISTAD, Bo (Uppsala Univ., Sweden)

Contribution ID: 26

Type: **Oral**

High energy density physics with intense particle and laser beam

Tuesday, 16 September 2008 09:20 (40 minutes)

Presenter: Prof. HOFFMANN, Dieter H. H. (Technical Univ. Darmstadt, Germany)

Contribution ID: 27

Type: **Oral**

Nuclear physics at the present ESR facility

*Tuesday, 16 September 2008 10:20 (30 minutes)***Presenter:** Prof. LITVINOV, Yuri (GSI, Germany)

Contribution ID: 28

Type: **Oral**

The EXL, ELISe and AIC experiments at the NUSTAR ring branch of FAIR

*Tuesday, 16 September 2008 10:50 (35 minutes)***Presenter:** Prof. CHARTIER, Marielle (Univ. Liverpool, UK)

Contribution ID: 29

Type: **Oral**

Precise nuclear physics measurements with ion traps

*Tuesday, 16 September 2008 11:25 (35 minutes)***Presenter:** Prof. HERFURTH, Frank (GSI, Germany)

Contribution ID: 30

Type: **Oral**

Atomic physics at storage rings: Recent results from the ESR and future perspectives at FAIR

Tuesday, 16 September 2008 12:00 (30 minutes)

Presenter: Prof. WINTERS, Danyal (GSI, Germany)

Contribution ID: 31

Type: **Oral**

Hadron physics with diproton final states

*Tuesday, 16 September 2008 16:30 (30 minutes)***Presenter:** Prof. DYMOV, Sergey (Universitat Erlangen-Nürnberg, Germany)

Contribution ID: 32

Type: **Oral**

Theoretical prediction of differential cross sections for $pp \rightarrow pn\pi^+$ reaction

*Tuesday, 16 September 2008 17:00 (25 minutes)***Presenter:** Prof. ZOU, Binsong (IHEP, China)

Contribution ID: 33

Type: **Oral**

Dibaryon signals in the NN scattering data and further measurement at CSR

*Tuesday, 16 September 2008 17:25 (20 minutes)***Presenter:** Prof. WANG, Fan (Nanjing Univ., China)

Contribution ID: 34

Type: **Oral**

Excited hyperons produced in pp collisions with ANKE at COSY

*Tuesday, 16 September 2008 18:05 (25 minutes)***Presenter:** Prof. ZYCHOR, Izabella (IPJ, Poland)

Contribution ID: 35

Type: **Oral**

Hypernucleus production by A(p, pK⁺)ΛB reactions

*Tuesday, 16 September 2008 18:30 (20 minutes)***Presenter:** Prof. SHEN, Pengnian (IHEP, China)

Contribution ID: 36

Type: **Oral**

Tetraquark X (udss) production in $pn \rightarrow \Lambda\Lambda X$

*Tuesday, 16 September 2008 18:50 (20 minutes)***Presenter:** Prof. ZHAO, Qiang (IHEP, China)

Contribution ID: 37

Type: **not specified**

Multi-quark exotics study

*Tuesday, 16 September 2008 19:10 (20 minutes)***Presenter:** Prof. PING, Jialun (Nanjing Normal Univ., China)

Contribution ID: 38

Type: **Oral**

The first isochronous mass spectrometry at CSRe

*Tuesday, 16 September 2008 16:30 (25 minutes)***Presenter:** Prof. WANG, Meng (IMP, China)

Contribution ID: 39

Type: **Oral**

Direct mass measurement of short-lived neutron rich nuclides with the isochronous mass spectrometry at GSI

*Tuesday, 16 September 2008 16:55 (20 minutes)***Presenter:** Prof. SUN, Baohua (Peking Univ., China)

Contribution ID: 40

Type: **Oral**

Atomic physics researches at Cooler Storage Ring in Lanzhou

*Tuesday, 16 September 2008 17:15 (20 minutes)***Presenter:** Prof. MA, Xinwen (IMP, China)

Contribution ID: 41

Type: **Oral**

Technical realization of the ELISe experiment at FAIR

Tuesday, 16 September 2008 17:55 (25 minutes)

Presenter: Prof. SIMON, Haik (GSI, Germany)

Contribution ID: 42

Type: **Oral**

Electron scattering off short-lived radioactive nuclei

*Tuesday, 16 September 2008 18:20 (25 minutes)***Presenter:** Prof. WANG, Shuo (Peking Univ., China)

Contribution ID: 43

Type: **Oral**

Beam optics simulation of Rare-RI Ring at RI Beam Factory in RIKEN

*Tuesday, 16 September 2008 18:45 (20 minutes)***Presenter:** Prof. YAMAGUCHI, Takayuki (Saitama University, Japan)

Contribution ID: 44

Type: **Oral**

Experimental activities on high energy density in matter at ITEP

*Tuesday, 16 September 2008 19:05 (25 minutes)***Presenter:** Prof. GOLUBEV, Alexander (ITEP, Russia)

Contribution ID: 45

Type: **Oral**

Some experimental techniques at storage rings

*Wednesday, 17 September 2008 08:30 (35 minutes)***Presenter:** Prof. HARTMANN, Michael (FZ-Jülich, Germany)

Contribution ID: 46

Type: **Oral**

Beams at storage rings - From proton to uranium

*Wednesday, 17 September 2008 09:05 (35 minutes)***Presenter:** Prof. NOLDEN, Fritz (GSI, Germany)

Contribution ID: 47

Type: **Oral**

WASA-at-COSY and PANDA-at-FAIR: 4π detectors for fixed target experiments on hadron structure and dynamics

Wednesday, 17 September 2008 09:40 (40 minutes)

Presenter: Prof. RITMAN, James (FZ-Jülich, Germany)

Contribution ID: 48

Type: **Oral**

Development of a cryogenically cooled liquid internal target beam at the ESR storage ring

*Wednesday, 17 September 2008 10:40 (40 minutes)***Presenter:** Prof. GRISENTI, Robert (Univ. Frankfurt, Germany)

Contribution ID: 49

Type: **Oral**

First feasibility study for EXL with prototype detectors at the ESR and detector simulations

*Wednesday, 17 September 2008 11:20 (20 minutes)***Presenter:** Prof. KALANTAR, Nasser (KVI, The Netherlands)

Contribution ID: 50

Type: **Oral**

Production of hydrogen, nitrogen and argon pellets with the Moscow-Jülich pellet target

Wednesday, 17 September 2008 11:40 (15 minutes)

Presenter: Prof. FEDORETS, Pavel (FZ-Jülich, Germany / ITEP, Russia)

Contribution ID: 51

Type: **Oral**

The polarized internal gas target of ANKE at COSY

*Wednesday, 17 September 2008 11:55 (15 minutes)***Presenter:** Prof. GRIGORYEV, Kirill (FZ-Jülich, Germany)

Contribution ID: 52

Type: **Oral**

A study of the proton beam lifetime in the COSY storage ring at low momenta

Wednesday, 17 September 2008 12:10 (20 minutes)

Presenter: Prof. STEFFENS, Erhard (University of Erlangen-Nürnberg, Germany)

Contribution ID: 53

Type: **Oral**

DAPHNE - status and plans

Wednesday, 17 September 2008 14:00 (30 minutes)

Presenter: Prof. PASSERI, Antonio (INFN, Italy)

Contribution ID: 54

Type: **Oral**

Present status of Rare-RI Ring project in RIKEN RIBF

*Wednesday, 17 September 2008 14:30 (25 minutes)***Presenter:** Prof. YASUDA, Yusuke (RCNP, Osaka Univ., Japan)

Contribution ID: 55

Type: **Oral**

Multi-GeV photon beam experiments at the Spring-8 laser-backscattering facility

Wednesday, 17 September 2008 14:55 (30 minutes)

Presenter: Prof. MAEDA, Yoshikazu (RCNP, Osaka Univ., Japan)

Contribution ID: 56

Type: **Oral**

COSY - a storage ring for present physics experiments and as predecessor for HESR

*Wednesday, 17 September 2008 15:45 (40 minutes)***Presenter:** Prof. PRASUHN, Dieter (FZ-Jülich, Germany)

Contribution ID: 57

Type: **Oral**

The High Energy Storage Ring (HESR) for FAIR

*Wednesday, 17 September 2008 16:25 (40 minutes)***Presenter:** Prof. LEHRACH, Andreas (FZ-Jülich, Germany)

Contribution ID: 58

Type: **Oral**

Summary talk

Wednesday, 17 September 2008 17:05 (40 minutes)

Presenter: Prof. STRÖHER, Hans (FZ-Jülich, Germany)