

**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 $\omega$ 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<sup>+</sup>)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: $4\pi$ 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)