

International and national collaborations *

Compiled by K. Große

The FAIR Collaborations

FAIR: The BIOMAT Collaboration

The High-Energy Irradiation Facility for Biophysics and Materials Research

Spokespersons: M. Durante, Naples (Italy)/Darmstadt (Germany);
S. Klaumünzer, Berlin (Germany)

Contributions in this report:
FAIR-EXPERIMENTS-34

FAIR: The CBM Collaboration

The Condensed Baryonic Matter experiment

<http://www.gsi.de/zukunftsprojekt/experimente/CBM/index_e.html>

Spokesperson: P. Senger Darmstadt (Germany)

Contributions in this report:
FAIR-EXPERIMENTS-06
FAIR-EXPERIMENTS-07
FAIR-EXPERIMENTS-08
FAIR-EXPERIMENTS-09
FAIR-EXPERIMENTS-10
FAIR-EXPERIMENTS-11
FAIR-EXPERIMENTS-12
FAIR-EXPERIMENTS-13
FAIR-EXPERIMENTS-14
FAIR-EXPERIMENTS-15
FAIR-EXPERIMENTS-16
FAIR-EXPERIMENTS-17
FAIR-EXPERIMENTS-18
INSTRUMENTS-METHODS-16
INSTRUMENTS-METHODS-26
INSTRUMENTS-METHODS-40
INSTRUMENTS-METHODS-41

FAIR: The FLAIR Collaboration

A Facility for Low-energy Antiproton and Ion Research

<<http://www-linux.gsi.de/~flair/>>

Spokesperson: E. Widmann (Austria)

Contributions in this report:
FAIR-EXPERIMENTS-32

FAIR: The HEDgeHOB Collaboration

High Energy Density Matter generated by Heavy iOn Beams

* Only listed are collaborations contributed to this report.

<<http://hedgehob.physik.tu-darmstadt.de>>

Spokesperson: Hoffmann, D. H. H., Darmstadt (Germany)

Contributions in this report:

PLPY-PHELIX-09
PLPY-PHELIX-11
PLPY-PHELIX-12
PLPY-PHELIX-14

The PANDA Collaboration

<http://www.ep1.rub.de/~panda/auto/_home.htm>

Spokesperson: U. Wiedner, Uppsala (Sweden)

Contributions in this report:

FAIR-EXPERIMENTS-02
FAIR-EXPERIMENTS-03
FAIR-EXPERIMENTS-04
FAIR-EXPERIMENTS-05
INSTRUMENTS-METHODS-23
INSTRUMENTS-METHODS-42
INSTRUMENTS-METHODS-43

FAIR: The NUSTAR Collaboration

International Nuclear Structure and Astrophysics Community
GSI

<<http://www.gsi.de/forschung/kp/kp2/nustar.html>>

As part of FAIR-NUSTAR: The DESPEC Collaboration

Decay Spectroscopy

Spokesperson: B. Rubio, Valencia (Spain)

Contributions in this report:

FAIR-EXPERIMENTS-26
FAIR-EXPERIMENTS-27
FAIR-EXPERIMENTS-29

As part of FAIR-NUSTAR: The HISPEC Collaboration

High resolution Spectroscopy

Spokesperson: Z. Podolyak, Surrey (United Kingdom)

Contributions in this report:

FAIR-EXPERIMENTS-25
FAIR-EXPERIMENTS-28

As part of FAIR-NUSTAR: The R³B Collaboration

Reactions with Relativistic Radioactive Beams

<<http://www-land.gsi.de/r3b/>>

Spokesperson: T. Aumann Darmstadt (Germany)

Contributions in this report:

FAIR-EXPERIMENTS-19

FAIR-EXPERIMENTS-20

FAIR-EXPERIMENTS-21

FAIR-EXPERIMENTS-22

As part of FAIR-NUSTAR: The ELISe Collaboration

ELectron-Ion Scattering in a Storage Ring (eA collider)

<<http://www.gsi.de/zukunftsprojekt/experimente/elise/>>

Spokesperson: H. Simon, Darmstadt (Germany)

Contribution in this report:

FAIR-EXPERIMENTS-23

FAIR-EXPERIMENTS-24

As part of FAIR-NUSTAR: The EXL Collaboration

Exotic nuclei studied in light-ion induced reactions at the NESR storage ring

<<http://ns.ph.liv.ac.uk/~mc/EXL/collaboration/>

EXL-collaboration.html>

Spokesperson: M. Chartier, Liverpool (United Kingdom)

Contributions in this report:

FAIR-EXPERIMENTS-30

FAIR-EXPERIMENTS-31

As part of FAIR-NUSTAR: The LEB Collaboration

Low Energy Branch

Spokesperson: C. Scheidenberger, Darmstadt (Germany)

Contributions in this report:

FAIR-ACCELERATORS-11

FAIR-EXPERIMENTS-35

FAIR-EXPERIMENTS-36

The SIS/ESR/UNILAC Collaborations**FAIR: The CHARMS Collaboration**

Collaboration for High-Accuracy Experiments on Nuclear Reaction Mechanisms with magnetic Spectrometers

<<http://www.gsi.de/charms/>>

Spokesperson: Karl-Heinz Schmidt, GSI

Contributions in this report:

NUSTAR-EXPERIMENTS-17

NUSTAR-EXPERIMENTS-18

NUSTAR-EXPERIMENTS-20

NUSTAR-THEORY-11

FAIR: The SPARC Collaboration

Stored Particles Atomic Physics Collaboration

<http://www.gsi.de/zukunftsprojekt/experimente/sparc/index_e.html>

Spokesperson: R. Schuch, Stockholm (Sweden)

Contributions in this report:

ATOMIC-PHYSICS-19

ATOMIC-PHYSICS-26

FAIR: The WDM Collaboration

Radiative Properties of Warm Dense Matter Produced by Intense Heavy Ion Beams

<<http://www.gsi.de/phelix/Experiments/FAIR/WDM/index.html>>

Spokesperson: F. B. Rosmej

Contributions in this report:

FAIR-EXPERIMENTS-33

FAIR: The Super-FRS Collaboration

Contributions in this report:

FAIR-ACCELERATORS-10

INSTRUMENTS-METHODS-06

INSTRUMENTS-METHODS-07

INSTRUMENTS-METHODS-08

INSTRUMENTS-METHODS-09

FAIR: The HypHI Collaboration<<http://www.gsi.de/forschung/helmholtz-group/HYPERNuclei>>

Spokesperson: T. R. Saito, GSI

Contributions in this report:

FAIR-EXPERIMENTS-49

FAIR-EXPERIMENTS-50

FAIR-EXPERIMENTS-51

The FOPI Collaboration4 π Detector System for Charged Particles<<http://www-fopi.gsi.de/>>

Spokesperson: N. Herrmann, Heidelberg (Germany)

Contributions in this report:

INSTRUMENTS-METHODS-24

INSTRUMENTS-METHODS-25

NQMA-EXPERIMENTS-05

NQMA-EXPERIMENTS-06

The HADES Collaboration

<<http://www-hades.gsi.de>>
Spokesperson: P. Salabura

Contributions in this report:
INSTRUMENTS-METHODS-30
NQMA-EXPERIMENTS-07

The HITRAP Collaboration

HITRAP - A Facility for Experiments with Heavy Highly Charged Ions and Antiprotons

<<http://www.gsi.de/forschung/ap/projects/hitrap/index.html>>
Technical Coordinator: O. Kester (GSI), Scientific Coordinator: W. Quint (GSI)

Contributions in this report:
ATOMIC-PHYSICS-15
ATOMIC-PHYSICS-16
ATOMIC-PHYSICS-18
ATOMIC-PHYSICS-24
ATOMIC-PHYSICS-25
ATOMIC-PHYSICS-30
GSI-ACCELERATORS-10

The PHELIX Collaboration

Petawatt High-Energy Laser for Heavy Ion Experiments

<<http://www.gsi.de/forschung/phelix>>
Spokesperson: K. Witte (GSI)

Contributions in this report:
ATOMIC-PHYSICS-28
PLPY-PHELIX-15
PLPY-PHELIX-16
PLPY-PHELIX-17
PLPY-PHELIX-19
PLPY-PHELIX-21
PLPY-PHELIX-27

The NoRDia Collaboration

Novel Radiation Hard CVD Diamond Detectors for Hadron Physics

<<http://www-norhdia.gsi.de>>
Coordinator at GSI: E. Berdermann.

Contributions in this report:
INSTRUMENTS-METHODS-02
INSTRUMENTS-METHODS-03

The RISING Collaboration

<http://www-linux.gsi.de/EB_at_GSI/index.html>
Spokesperson: H.-J. Wollersheim, GSI, Darmstadt (Germany)

Contributions in this report:
NUSTAR-EXPERIMENTS-06
NUSTAR-EXPERIMENTS-07
NUSTAR-EXPERIMENTS-08
NUSTAR-EXPERIMENTS-10
NUSTAR-EXPERIMENTS-11
NUSTAR-EXPERIMENTS-12
NUSTAR-EXPERIMENTS-13
NUSTAR-EXPERIMENTS-14

The SHIP Collaboration

Separator for Heavy Ion reaction Products

<<http://www.gsi.de/forschung/kp/kp2/ship/>>
Spokesperson: S. Hofmann, GSI
Contributions in this report:
NUSTAR-SHE-01
NUSTAR-SHE-02
NUSTAR-SHE-03
NUSTAR-SHE-04
NUSTAR-SHE-05

The SHIPTRAP Collaboration

<<http://www.gsi.de/forschung/ap/projects/shiptrap/>>
Spokesperson: F. Herfurth, Darmstadt (Germany)

Contributions in this report:
ATOMIC-PHYSICS-12
ATOMIC-PHYSICS-23

The TASCA Collaboration

Transactinide Separator and Chemistry Apparatus

<<http://www.gsi.de/tasca/>>
Spokesperson: M. Schädel, GSI

Contributions in this report:
NUSTAR-SHE-09
NUSTAR-SHE-10
NUSTAR-SHE-11
NUSTAR-SHE-12
INSTRUMENTS-METHODS-05

Other collaborations e. g. at external institutions

The ALICE Collaboration

A Large Ion Collider Experiment at CERN LHC
 <<http://alice.web.cern.ch/Alice/AliceNew/collaboration/>>
 Leader at the GSI: P. Braun-Munzinger

Contributions in this report:

NQMA-EXPERIMENTS-14
 NQMA-EXPERIMENTS-15
 INSTRUMENTS-METHODS-31
 INSTRUMENTS-METHODS-32
 INSTRUMENTS-METHODS-33

The ALICE TRD Collaboration

The Transition Radiation Detector of the ALICE experiment at LHC
 <<http://www-alice.gsi.de/trd/>>

Project leader: J. Stachel, Heidelberg (Germany)

Contributions in this report:

INSTRUMENTS-METHODS-34
 INSTRUMENTS-METHODS-35
 INSTRUMENTS-METHODS-36
 INSTRUMENTS-METHODS-38
 INSTRUMENTS-METHODS-39

The CERES Collaboration

Cherenkov Ring Electron Pair Spectrometer at the CERN SPS
 <<http://www.physi.uni-heidelberg.de/physi/ceres/>>
 Spokesperson: J. Stachel, Heidelberg (Germany)

Contributions in this report:

NQMA-EXPERIMENTS-08
 NQMA-EXPERIMENTS-09
 NQMA-EXPERIMENTS-10

The NA49 Collaboration

Large Acceptance Hadron Detector for an Investigation of Pb-induced Reactions at the CERN SPS
 <<http://na49info.cern.ch/>>

Spokesperson: P. Seyboth

Contributions in this report:

NQMA-EXPERIMENTS-11
 NQMA-EXPERIMENTS-12
 NQMA-EXPERIMENTS-13
 NQMA-EXPERIMENTS-16

The ISOLTRAP Collaboration

<<http://isoltrap.web.cern.ch/isoltrap>>

Contributions in this report:

ATOMIC-PHYSICS-13
 ATOMIC-PHYSICS-14

Other collaborations:

FAIR-ACCELERATORS-29
 NUSTAR-EXPERIMENTS-09
 NUSTAR-EXPERIMENTS-19
 INSTRUMENTS-METHODS-22
 INSTRUMENTS-METHODS-27
 INSTRUMENTS-METHODS-29
 MATERIALS-14
 MATERIALS-23
 RADIATION-BIOPHYSICS-02
 RADIATION-BIOPHYSICS-23

Connections between contributions to this report and experiment numbers at the GSI accelerators

Bio07 RADIATION-BIOPHYSICS-04	S305 NUSTAR-EXPERIMENTS-09
Bio13 RADIATION-BIOPHYSICS-15	S310 NUSTAR-EXPERIMENTS-13
Bio14 RADIATION-BIOPHYSICS-12	S311 NUSTAR-EXPERIMENTS-11
Bio14 RADIATION-BIOPHYSICS-14	S311 NUSTAR-EXPERIMENTS-14
Bio14 RADIATION-BIOPHYSICS-17	S319 INSTRUMENTS-METHODS-27
Bio14 RADIATION-BIOPHYSICS-20	S319 INSTRUMENTS-METHODS-29
Bio16 RADIATION-BIOPHYSICS-03	S319 NUSTAR-EXPERIMENTS-21
E039 ATOMIC-PHYSICS-03	S319 NUSTAR-EXPERIMENTS-22
E045 ATOMIC-PHYSICS-06	S328 FAIR-EXPERIMENTS-20
E065 ATOMIC-PHYSICS-07	SBio01 RADIATION-BIOPHYSICS-21
E067 ATOMIC-PHYSICS-02	SBio08 RADIATION-BIOPHYSICS-26
E069 ATOMIC-PHYSICS-09	SBio09 RADIATION-BIOPHYSICS-19
E069 ATOMIC-PHYSICS-10	SITH EXTERNAL-HIT-08
E070 ATOMIC-PHYSICS-01	SITH RADIATION-BIOPHYSICS-28
E070 ATOMIC-PHYSICS-08	STHE RADIATION-BIOPHYSICS-30
E075 ATOMIC-PHYSICS-15	STHE RADIATION-BIOPHYSICS-35
P008 PLPY-PHELIX-22	U165 ATOMIC-PHYSICS-11
R240 NUSTAR-SHE-05	U197 NUSTAR-EXPERIMENTS-05
S139 INSTRUMENTS-METHODS-28	U205 NUSTAR-SHE-06
S184 NUSTAR-EXPERIMENTS-17	U205 NUSTAR-SHE-07
S185 NQMA-EXPERIMENTS-02	U210 NUSTAR-SHE-08
S227 NUSTAR-EXPERIMENTS-03	U215 NUSTAR-SHE-04
S244 NUSTAR-EXPERIMENTS-06	U217 ATOMIC-PHYSICS-12
S244 NUSTAR-EXPERIMENTS-07	U219 NUSTAR-SHE-09
S244 NUSTAR-EXPERIMENTS-10	U219 NUSTAR-SHE-10
S244a NUSTAR-EXPERIMENTS-08	U219 NUSTAR-SHE-11
S248 NUSTAR-EXPERIMENTS-19	U219 NUSTAR-SHE-12
S254 NQMA-EXPERIMENTS-01	U224 PLPY-PHELIX-07
S254 NQMA-EXPERIMENTS-03	U224 PLPY-PHELIX-08
S258 FAIR-EXPERIMENTS-36	U225 NUSTAR-SHE-03
S261 NQMA-EXPERIMENTS-05	U226 PLPY-PHELIX-03
S271 NUSTAR-EXPERIMENTS-16	UMAT MATERIALS-24
S280 INSTRUMENTS-METHODS-02	OTHERS ATOMIC-PHYSICS-17
S286 INSTRUMENTS-METHODS-37	OTHERS RADIATION-BIOPHYSICS-10
S291 FAIR-ACCELERATORS-29	OTHERS NQMA-EXPERIMENTS-07
S299 NUSTAR-EXPERIMENTS-12	