



Workshop on Advanced Laser and Mass Spectroscopy

ALMAS-1: Innovative Physics Ideas

October 19/20, 2006
GSI, Darmstadt, Germany

Last Minute Circular

Dear Colleague!

We are looking forward to meet you at our workshop on advanced nuclear physics studies with laser spectroscopy and mass spectrometry, to be held on October 19/20, 2006 at GSI in Darmstadt, Germany.

PROGRAM

A draft of the current program displaying the speakers and the working title of their presentations is attached to this circular.

Coffee, tea and biscuits during the breaks as well as dinner will be provided on both days. For lunch we recommend the GSI cafeteria

PARTICIPATION AND REGISTRATION

The registration has been closed on 30th of September and we have received 70 registrations.

ACCOMMODATION AND TRANSFER TO GSI

A bus shuttle service from the IBIS hotel Darmstadt (Kasinostraße 6 in Darmstadt) to the GSI site will be organized during the workshop.

The GSI shuttle will provide daily transport 30 minutes prior to the first session and after dinner which will end at 21:30. Additional transports can be organized on request.

FURTHER INFORMATION

Computer access can not be provided during the two days of our workshop. However, a freely accessible wireless net is available on the GSI site.

CORRESPONDENCE

For further questions and assistance concerning the workshop and its organisation please contact:

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For recent updates see the conference workshop homepage
http://www.gsi.de/forschung/ap/conferences/almas/index_e.html
or alternatively <http://www.kernchemie.uni-mainz.de/almas>

ALMAS-1 workshop program:

	Thursday, 19/10	Friday, 20/10
9:00	Session 1: Introduction Welcome (5) Talk 1: Krämer Talk 2: ILIMA-, LaSpec- and MATS-Spokespersons	Session 5: 2*(30+10) Theory Welcome (10) Talk 12: Bürvenich Talk 13: Pinedo
10:30	Coffee	Coffee
11:00	Session 2: 3*(30+10) Masses Talk 3: Kluge Talk 4: v. Isacker Talk 5: Casten	Session 6: 3*(30+10) Astrophysics Talk 14: Schatz Talk 15: Jakovlev Talk 16: Litvinov
13:00	Lunch	Lunch
14:15	Session 3: 3*(30+10) Laser Spectroscopy Talk 6: Neugart Talk 7: Campbell Talk 8: Müller	Session 7: 3*(30+10) New Developments Talk 17: Äystö Talk 18: Arai Talk 19: Hofmann
16:15	Coffee	Coffee
16:45	Session 4: 3*(30+10) Beam Preparation Talk 9: Bollen Talk 10: Lunney Talk 11: Dendooven	Session 8: 3*(30+10) New Phenomena Talk 20: Walker Talk 21: Riskin
19:00	Welcome Dinner	Farewell Dinner

Welcome: Blaum

Talk 1: Krämer

FAIR - Status and perspectives (30+10)

Talk 2: Spokespersons

Status of ILIMA, LaSpec and MATS (3*(10+5))

Talk 3: Kluge

Ultrahigh precision mass-spectrometry

Talk 4: v. Isacker

Masses of atomic nuclei far from stability

Talk 5: Casten

Why we need precise mass measurements for nuclear structure?

Talk 6: Neugart

Trends in nuclear charge radii – Hot topics in the future

Talk 7: Campbell

High-spin isomers: What we can learn from laser spectroscopy

Talk 8: Müller

On-line spectroscopy with a Cf-source – Applying new techniques on-line

Talk 9: Bollen

A cyclotron for the thermalization and fast extraction of energetic and intense rare isotope beam

Talk 10: Lunney

The Ion Circus: a tabletop, mass-selective, circular trap

Talk 11: Dendooven

Superfluid helium and cryogenic noble gases as stopping media for ion catchers

Talk 12: Bürvenich

(title to be announced)

Talk 13: Pinedo

Nuclear masses for explosive nucleosynthesis

Talk 14: Schatz

(title to be announced)

Talk 15: Jakovlev

Pycnonuclear reaction

Talk 16: Litvinov

Decay of single ions in ESR

Talk 17: Äystö

Trap-assisted spectroscopy

Talk 18: Arai

Isochronous Ring at RIKEN

Talk 19: Hofmann

Study of superheavy nuclei

Talk 20: Walker

Exotic isomeric states

Talk 21: Riskin

Meson condensation in nuclei