

3rd ANL/MSU/INT/JINA RIA Theory Meeting

DATES: 4-7/April/2006 ... Tuesday - Friday morning.

Location: Argonne National Laboratory,
Physics Division (Building 203) Auditorium

This workshop follows two successful meetings. The first in this series was held at INT, and details may be found at

http://www.int.washington.edu/PROGRAMS/ria_program.html

The second workshop was held at MSU. Details are available at

<http://www.nscl.msu.edu/~brown/RIA-reaction-2005/RIA-reaction-2005.html>

At this third workshop, in light of the NRC RIA Science Assessment, we will take a broad look at the new physics questions that can be addressed with rare isotope beams; e.g., clustering phenomena, diffuse systems, dynamic symmetries, and model predictions for nuclei far from stability.

With this note we invite attendance by all interested in the future of rare isotope physics. (The auditorium at Argonne can comfortably accommodate 120 people.)

The organizing committee for this 3rd workshop consists of:

- Thomas Duguet, MSU -- duguet@nscl.msu.edu
- Henning Esbensen, Argonne -- esbensen@phy.anl.gov
- Ken Nollett, Argonne -- nollett@anl.gov
- Craig Roberts, Argonne -- cdroberts@anl.gov

with advice from Wick Haxton and Francesco Iachello.

Those interested in participating should complete one of the registration forms available at <http://www.phy.anl.gov/theory/index.html#ria3>

Very Important. There is one form for US citizens and a different form for non-US citizens. It is only necessary to complete one form.

The completed form should be returned to

Debbie Morrison (Email: morrison@anl.gov, fax: 630-252-3903, tel: 630-252-4100)
no later than 15/March. This form is essential to arrange clearance to enter the Argonne site.

NB. Some funds are available to support attendance by students. Those applying early will receive favorable consideration. The contact for this is Craig Roberts.

Local Transportation and Navigation

Information is available at the conference web site

<http://www.phy.anl.gov/theory/index.html#ria3>

in this PDF file

<http://www.phy.anl.gov/theory/z06RIA/GettingtoANL.pdf>

Accommodation

- We have arranged a block of rooms at the Baymont Hotel. For reservations, telephone 630-654-0077. The rooms are \$50+tax/night and will be held until 15/March. When making a reservation, you should specify that you're participating in the *RIA Theory Workshop*. **NB.** Participants staying at the Baymont Hotel will need a car.
- Participants may prefer to stay on-site at the Argonne Guest House. This costs \$65+6% tax/night for a single room or \$75+6% tax for a double room. A block of rooms will be held until 20/March. For reservations, telephone 630-739-6000, and/or visit their web site <http://www.anlgh.org/>. Participants staying at the Guest House will be able to walk to the workshop venue. However, we have not reserved a block of rooms. Booking early will therefore be essential. One must register as an individual.

Format and Programme

The meeting will be organized along the following lines:

- 7 Presentations on each of the first three days and 4 presentations on Friday morning.
- Lectures to be overseen by a *Discussion Coordinator*
Speakers will have 35mins plus 5mins for questions.
At the end of each Session there will be a 30min discussion period.
- **KEYNOTE** ... All participants are requested to ask themselves this question:
What questions does your research pose that only RIA can answer?
This will serve as the discussion theme.

Preliminary Programme:

(All are confirmed.)

Tuesday morning

Topic: *Nuclear Structure*

Coordinator: [Haxton](#)

Speakers:

[Dean](#)
[Jensen](#)
[Duguet](#)
[Neff](#)

Tuesday afternoon

Topic: *Astrophysics*

Coordinator: [Nollett](#)

Speakers:

[Hix](#)
[Prakash](#)
[Engel](#)

Wednesday morning

Topic: *Dynamic Symmetries*

Coordinator: [Nazarewicz](#)

Speakers:

[Bijker](#)
[Draayer](#)
[Caprio](#)
[van Isacker](#)

Wednesday afternoon

Topic: *Nuclear Structure*

Coordinator: [Vary](#)

Speakers:

[Barrett](#)
[Horiuchi](#)
[Nollett](#)

Thursday morning

Topic: *Structure*

Coordinator: [Duguet](#)

Speakers:

[Volya](#)
[Danielewicz](#)
[Dobaczewski](#)
[Martinez-Pinedo](#)

Thursday afternoon

Topic: *Astrophysics*

Coordinator: [Art Champagne](#)

Speakers:

[Cumming](#)
[Meyer](#)
[Fryer](#)

Friday Morning

Topic: *Fundamental Symmetries*

Coordinator: [Chupp](#)

Speakers:

[Ramsey-Musolf](#)
[Savard](#)
[van Kolck](#)
[Haxton](#)