



FUSTIPEN Topical Meeting

«Probing two-nucleon correlations using reactions»

March 18, 2011, GANIL, Caen, France

Second circular

This one-day workshop addresses some of the main issues related to studies of two-nucleon correlations. There have been numerous theoretical studies of the importance of, and manifestations of two-nucleon/pair correlations in nuclei on different length scales. Quantifying the role of like and unlike two-nucleon/pair correlations by direct observations has been proposed using a variety of different reaction probes. We will review the status of such studies, discuss modern structure model predictions, and consider available structure input, reactions and observables and the new opportunities offered by experiments using radioactive beams.

We would like to keep the format of the meeting informal and invite those participants who believe they can contribute to the discussion to contact us at fustipen@ganil.fr.

The meeting at the GANIL Guesthouse is scheduled to start at 9:15 and to finish around 17:00 on Friday, March 18.

There is no registration fee. The French-based physicists interested in the topic of the meeting can get the local support from the French FUSTIPEN grant.

Upon arrival at GANIL, you are requested first to contact the guardian at the entrance of GANIL and then proceed to the GANIL Guesthouse for the registration. Personal laptops will be able to connect to the wireless network.

All the information to reach GANIL can be found at the address:
http://fustipen.ganil.fr/practical/Practical_info.pdf

If you have any question concerning your arrival and stay in Caen, or your participation in the meeting, please do not hesitate to contact us at fustipen@ganil.fr.

Program of the Topical Meeting
«Probing two-nucleon correlations using reactions»

Friday, March 18, 2011

9:20	Welcome
9:30 – 10:30	Augusto O. Macchiavelli (University of California Berkley) Study of neutron-proton pairing in N=Z nuclei with 2N transfer reactions
10:30 – 11:00	Coffee break
11:00 – 11:40	Jeffrey Tostevin (University of Surrey) Two-nucleon knockout; methodology and structure sensitivity
11:40 – 12:40	Frédéric Nowacki (IPHC Strasbourg) Correlations versus shell evolution in the Nuclear Shell Model
Lunch	
14:00 – 15:00	Nigel Orr (LPC Caen) Some reflections on probing halo neutron-neutron correlations
15:00 – 15:40	Edward Simpson (University of Surrey) Two-nucleon correlations: examples of what knockout may tell us
15:40 – 16:00	Coffee break
16:00 – 17:00	Denis Lacroix (GANIL) Effect of correlation on nuclear dynamics: a mean-field perspective
17:00	End of the Meeting

To register, please fill in the registration form:

http://fustipen.ganil.fr/Conferences/Reactions/Registration_form

We are asking even those holding a GANIL badge to register, so that an accurate count can be obtained for the coffee breaks.

We hope to see you soon at GANIL at the occasion of this topical meeting.

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