

NUMEN2015

Tuesday, 1 December 2015 - Wednesday, 2 December 2015

INFN, Laboratori Nazionali del Sud, Catania (Italy)

Scientific Programme

The aim of the workshop is to critically discuss the state of the art and possible future developments of the theoretical models of double-charge-exchange (DCE) reactions, as well as the crucial aspects of the experimental techniques and analyses. A central point would be the identification of the experimental conditions more suitable to extract, by comparison with the model predictions, the nuclear matrix elements of the DCE process.

We also aim at dedicating critical discussions to the analogy between the theoretical description of the neutrino-less double beta decay and of double charge exchange reactions, to point out differences and similarities between the two processes.

The format of the workshop consists of invited talks and two discussion sessions.

A preliminary list of speakers and discussion leaders includes:

N. Auerback Tel Aviv University (Israel)

R. Broglia Università di Milano (Italy) and Niels Bohr Inst., Univ.Copenhagen (Denmark)

L.Calabretta Laboratori Nazionali del Sud INKN Catania (Italy)

O. Civitarese Dept. Phys., University of La Plata, Buenos Aires (Argentina)

H. Ejiri RCNP, Osaka University (Japan)

A. Faessler University of Tuebingen (Germany)

D. Frekers University of Muenster (Germany)

M. Horoi Dept. Phys., Central Michigan University (USA)

J. Kotila Dept. Phys., University of Jyvaskyla (Finland)

F. La Via CNR-IMM (Italy)

D. Lo Presti INFN-Catania (Italy)

H. Lenske University of Giessen (Germany)

G. Potel Lawrence Livermore National Laboratory (USA)

E. Radicioni, *INFN-Bari*

M. Takaki Center for Nuclear Study, Univ. of Tokyo (Japan)

K. Zuber Technische Universität Dresden (Germany)

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