



Electron-radioactive ion collisions: theoretical and experimental challenges

April 25-27, 2016

Workshop of the *Espace de Structure et de réactions Nucléaires Théorique*
<http://esnt.cea.fr>

CEA Saclay, SPhN, Orme des Merisiers, build. 703, room 135, F-91191 Gif-sur-Yvette

Program

Time	Monday 25 th	Tuesday 26 th	Wednesday 27 th
9:15	welcome		
9:30	Sick	Platchkov	Simon
10:15	break	break	break
10:45	Ryckebusch	Bender	Barbieri
11:30	Giusti	Péru	Vorabbi
12:15	lunch	lunch	lunch
14:00	Wakasugi	Napoly	Suda
14:45	Tsukada	Mosnier	Chancé
15:30	break	break	break
16:00	Karataglidis	Flavigny	discussion

Presentations

- I. Sick, Densities from electron scattering: past achievements and challenges with unstable nuclei
- J. Ryckebusch, Study of ground-state correlations via $(e, e'p)$ and $(e, e'NN)$ reactions
- C. Giusti, NN correlations in exclusive $(e, e'p)$ and $(e, e'NN)$ reactions
- M. Wakasugi, The SCRIT facility at RIKEN
- K. Tsukada, Physics program with SCRIT
- S. Karataglidis, Proton and neutron distributions from combined (e, e) and (p, p) experiments

- S. Platchkov, Highlights from electron scattering experiments at the Accélérateur Linéaire de Saclay (ALS)
- M. Bender, Energy density functional studies of elastic and inelastic scattering off nuclei
- S. Péru, QRPA description of collective excitations in nuclei
- O. Napoly, The XFEL project
- A. Mosnier, Energy Recovery LINAC and high intensity sources
- F. Flavigny, Spectroscopic factors from knockout and transfer reactions

- H. Simon, The ELISe project at FAIR
- C. Barbieri, Studying nuclear correlations with electron scattering: opportunities in exotic nuclei
- M. Vorabbi, Electron scattering off nuclei with neutron and proton excess
- T. Suda, Future perspectives of the SCRIT facility
- A. Chancé, The ETIC project