

TNET: The EURONS European Theory Network
Second Workshop "Theory Network for Nuclear Structure and Reactions"
Held at ECT* Trento, January 7 -11, 2008

Programme

Sunday January 6th

20.00pm *Informal pizza dinner: Ristorante-Pizzeria ALLA MOSTRA, Piazza Mostra, Trento*

Monday January 7th

09.00am *Arrival and registration*

09.30am Ron Johnson U-Surrey Transfer Reactions with Deuterons

10.30am *Coffee*

11.00am Pierre Descouvemont ULB Brussels Challenges for three-body scattering problems

12.00noon Winfried Leidemann U-Trento Study of reactions with the Lorentz integral transform (LIT) method

13.00pm *Lunch/Discussion*

14.30pm Mahir Hussein MPI Dresden Absorption-fluctuation theorem for nuclear reactions

15.30am *Coffee*

16.00pm Raquel Crespo IST Lisbon Faddeev multiple scattering calculations for proton elastic and break-up scattering from halo nuclei

Tuesday January 8th

09.30am Antonio Fonseca U-Lisbon Three-body approach to direct nuclear reactions

10.30am *Coffee*

11.00am Joaquim Gomez Camacho U-Sevilla Algebraic approach to the scattering with internal degrees of freedom

12.00noon Jan Vaagen (Lead) U-Bergen Lessons from Helsinki: Future activity

13.00pm *Lunch/Discussion*

14.30pm Antonio Moro U-Sevilla Extracting spectroscopic information from transfer reactions involving weakly bound nuclei

15.30am *Coffee*

16.00pm Pierre Capel ULB Brussels Analysis of 8B break-up experiments with a Dynamical Eikonal Approximation

Wednesday January 9th

09.30am Marek Ploszajczak GANIL Many-body calculations for weakly-bound and unbound states

10.30am *Coffee*

11.00am	Jimmy Rotureau	ORNL	Density Matrix Renormalization Group Approach for many body open quantum systems
12.00noon	Sofia Quaglione	LLNL	Extending the ab initio no-core shell model to the continuum via the resonating-group method
13.00pm	<i>Lunch/Discussion</i>		
14.30pm	Gaute Hagen	ORNL	Coupled-Cluster Approach to Nuclear Structure
15.30am	<i>Coffee</i>		
16.00pm	Markus Stauf	U-Manchester	Coupled cluster method with a hardcore potential for finite nuclei
Thursday	January 10th		
09.30am	Paul Stevenson	U-Surrey	Time-Dependent Hartree-Fock for structure and reactions
10.30am	<i>Coffee</i>		
11.00am	Arnau Rios Huguet	NSCL/MSU	A time-dependent Green's functions approach to nuclear reactions
12.00noon	Hermann Wolter	U-Munich	The nuclear symmetry energy at low density
13.00pm	<i>Lunch/Discussion</i>		
14.30pm	Marcella Grasso	Orsay	Evolution of proton states in neutron-rich Ca and Ar isotopes
15.30am	<i>Coffee</i>		
16.00pm	Jeff Tostevin	U-Surrey	Observing correlations using reactions
Friday	January 11th		
09.30pm	Giuseppina Orlandini	U-Trento	Ab-initio (LIT) method for reactions in the continuum and applications
10.30am	<i>Coffee</i>		
11.00am	Haik Simon	GSI	Correlation studies in 3-body halo break-up reactions
12.00noon	Manuela Rodriguez Gallardo	U-Lisbon	Standard four-body CDCC calculations
13.00pm	<i>Lunch/Discussion</i>		
14.30pm	Jim Al-Khalili	U-Surrey	The two-potential approach to one-proton emission
15.30am	<i>Coffee and close of Workshop</i>		