

ICNT workshop "Physics of exotic nuclei: Theoretical advances and challenges"

Monday, 9 June 2014

Talks & Discussion - Meeting room (435, 437), Main Research Building (10:00 - 12:30)

-Conveners: Noritaka Shimizu

time	[id] title	presenter
10:00	[0] No-Core CI calculations of p-shell nuclei with 2- and 3-body forces	MARIS, Pieter
11:00	Break	
11:30	[1] Chiral forces along mid-mass isotope chains	SOMA, Vittorio

Talks & Discussion - Meeting room (435, 437), Main Research Building (16:00 - 17:30)

-Conveners: Noritaka Shimizu

time	[id] title	presenter
16:00	[2] Monte Carlo shell model for no-core calculations	ABE, Takashi
16:45	[3] Local chiral effective field theory interactions and applications	GEZERLIS, Alexandros

Tuesday, 10 June 2014

Talks & Discussion - Meeting room (435, 437), Main Research Building (10:00 - 12:30)

-Conveners: Carlo Barbieri

time	[id] title	presenter
10:00	[4] Quantum Monte Carlo calculations of nuclei and nuclear matter	GANDOLFI, Stefano
11:00	Break	
11:30	[5] Factorization algorithms for large-scale many-body problems	JOHNSON, Calvin

Talks & Discussion - Meeting room (435, 437), Main Research Building (16:00 - 17:30)

-Conveners: Carlo Barbieri

time	[id] title	presenter
16:00	[6] Nuclear Green's function Monte Carlo with chiral forces	LYNN, Joel
16:45	[7] Spectroscopy and theoretical uncertainties in medium-mass nuclei including 3N forces	MENÉNDEZ-SÁNCHEZ, Javier

Wednesday, 11 June 2014

Talks & Discussion - Meeting room (435, 437), Main Research Building (10:00 - 12:30)

-Conveners: Haozhao Liang

time	[id] title	presenter
10:00	[8] Ab-initio derivation of Covariant Density Functional Theory and Relativistic Brueckner-Hartree-Fock Theory in Finite Nuclei	RING, Peter
11:00	Break	
11:30	[9] Excitation of low-lying dipole states via nuclear field	LANZA, Edoardo G.

Thursday, 12 June 2014

Talks & Discussion - Meeting room (435, 437), Main Research Building (10:00 - 12:30)

-Conveners: Takashi Nakatsukasa

time	[id] title	presenter
10:00	[11] Optimizing energy density functionals for nuclear structure models	VRETENAR, Dario
11:00	Break	
11:30	[12] Finite amplitude method in axial basis	KORTELAINEN, Markus

Talks & Discussion - Meeting room (435, 437), Main Research Building (16:00 - 17:30)

-Conveners: Takashi Nakatsukasa

time	[id] title	presenter
16:00	[13] Finite-amplitude method for low-lying collective modes and QRPA sum rules	HINOHARA, Nobuo
16:45	[14] Interacting boson model and nuclear mean field	NOMURA, Kosuke

Friday, 13 June 2014

Talks & Discussion - Meeting room (435, 437), Main Research Building (14:00 - 15:00)

-Conveners: Dario Vretenar

time	[id] title	presenter
14:00	[18] Physics at the proton drip-line	FERREIRA, Lidia
14:20	[20] Quasi-particle resonance near threshold in neutron drip-line nuclei	KOBAYASHI, Yoshihiko
14:40	[25] Spin triplet pairing and spin-isospin response	SAGAWA, Hiroyuki