

## 7.5. TUESDAY

08:15 Dario Vretenar Opening of the conference

**Tuesday morning** Chair: J. Luis Egidio

08:30 Jerry Draayer Louisiana State Ab initio studies underpinned and enhanced by symmetry considerations

09:00 Stuart Pittel Univ. of Delaware Density matrix renormalization group in nuclear structure

09:30 Denis Lacroix GANIL Functional approach for pairing with good particle number

10:00 Peter Schuck Orsay Superfluidity-kill at overflow of trapped fermions. Quantal and semiclassical studies

10:30 coffee Chair: Giai

11:00 Enrice Vigezzi Milano The structure of halo nucleus  $^{11}\text{Li}$  and pair transfer reactions

11:30 Hermann Wolter LMU Munich Density dependence of the symmetry energy in heavy ion collisions

12:00 Moshe Gai Yale and UConn The Structure of the Hoyle State in  $^{12}\text{C}$  and Stellar Helium Burning

12:30 Valentin Nesterenko Dubna Nuclear vorticity in electric giant resonances: vortical, toroidal, and compression modes

13:00

**Tuesday afternoon** Chair: Stuart Pittel

17:00 Jiri Mares Rez Nuclei with strangeness

17:30 Mario Centelles Barcelona Nuclear symmetry energy and neutron skins of nuclei

18:00 Tomislav Marketin GSI Calculation of charge-exchange neutrino-nucleus reactions with the relativistic RPA

18:20 Yifei Niu Peking University Stellar electron capture rates calculated with finite-temperature relativistic RPA

18:40 Ying Chen Peking University Evidence for Magic Numbers

19:00

## 8.5. WEDNESDAY

**Wednesday morning** Chair: Peter Schuck

08:30 Nguyen Van Giai Orsay Determination of local energy density functionals from Brueckner-Hartree-Fock calculations

09:00 Hiroyuki Sagawa University of Aizu How to determine the Skyrme tensor interactions (tentative)

09:30 Jie Meng Peking University Selected topics of Covariant Density Functional Theory

10:00 Anatoli Afanasjev Mississippi State The single-particle degrees of freedom in covariant density functional theory

10:30 coffee Chair: Leszek Prochniak

11:00 Jean Paul Ebran Paris Relativistic Hartree Fock Bogoliubov model for deformed nuclei

11:20 Georgios Lalazissis Thessaloniki The fission barriers in Actinides and superheavy nuclei in CDF theory

11:40 Lulu Li Peking University Halo in deformed nuclei

12:00

**Wednesday afternoon** EXCURSION

## 9.5. THURSDAY

<b>Thursday morning</b>	<b>Chair:</b>	<b>Jie Meng</b>
08:30 J. Luis Egido	UA Madrid	On the impact of pairing fluctuations on nuclear spectra
09:00 Tamara Niksic	Zagreb	Beyond the RMF model: configuration mixing calculations
09:30 Leszek Prochniak	Lublin	The CPHC model of odd-odd nuclei with microscopic cores
10:00 Andrea Vitturi	Padova	Studying pairing correlations via two-particle transfer reactions
10:30 coffee	<b>Chair:</b>	<b>Hermann Wolter</b>
11:00 Gianluca Colo	Milano	Dipole response in even and odd nuclei: micr. properties and correlation with symmetry energy
11:30 Takashi Nakatsukas	RIKEN	Finite amplitude method for nuclear response functions
12:00 Edoardo G. Lanza	Catania	Excitation of Pygmy Dipole Resonance in exotic and stable nuclei via Coulomb and nuclear field
12:30 P.Papakonstantinou	TU Darmstadt	Surprises in the low-energy dipole nuclear response
12:50 Ioannis Daoutidis	Brussels	Relativistic QRPA with exact coupling to the continuum
13:10		
<b>Thursday afternoon</b>	<b>Chair:</b>	<b>Georgios Lalazissis</b>
17:00 Kosuke Nomura	Univ. of Tokyo	Microscopic formulation of IBM for rotational nuclei
17:20 Jiangming Yao	Chongqing	Effects of triaxiality in low-lying states in light nuclei: a relativistic 3DAMP-GCM study
17:40 Nobuo Hinohara	RIKEN	Microscopic description of shape coexistence and shape transition
18:00 Rengwei Zhao	Peking University	Novel structure for magnetic rotation bands in $^{60}\text{Ni}$
18:20 Vaia Prassa	Thessaloniki	Exploring the region of SuperHeavy nuclei with NEDF
18:40 D. Pena Arteaga	Orsay	Nuclear structure in strong magnetic fields: nuclei in the crust of a magnetar
19:00 Peter Ring	TU Munich	Puzzles with and without answers, 45 years in nuclear structure
19:20		
<b>Thursday evening</b>	<b>SYMPOSIUM DINNER</b>	

## 10.5. FRIDAY

<b>Friday morning</b>	<b>Chair:</b>	<b>Anatoli Afanasjev</b>
08:30 Nils Paar	Zagreb	Constraining the neutron skin from collective nuclear motion
09:00 Pavel Cejnar	Prague	Suppression of chaos and occurrence of rotational bands at high energies
09:30 Toshio Suzuki	Nihon University	Nuclear weak processes of astrophysical interest
10:00 Elena Litvinova	GSI	Quasiparticle-vibration coupling in relativistic framework: shell structure of $Z=120$ isotopes
10:30 coffee	<b>Chair:</b>	<b>Jerry Draayer</b>
11:00 Taiichi Yamada	Kanto Gakuin U.	alpha-cluster structures and Hoyle-analog states in $^{11}\text{B}$
11:30 Slobodan Brant	Zagreb	Twin bands in odd-odd nuclei: dynamical symmetry in the interact. vector boson fermion model
<b>12:00</b>	<b>END OF THE CONFERENCE</b>	