

Lunedì 22

10:30-11:00 Registrazione

11:00-11:40 F. Gulminelli: "The EoS of dense matter and nuclear physics constraints"

11:40-12:20 L. Girlanda: "Current status of the nuclear interaction in chiral and pionless effective field theories"

12:20-12:40 E. Filandri: "EFT description of  $\alpha$  cluster nuclei: The  $^9\text{Be}$  ground state and  $^9\text{Be}$  photodisintegration"

12:40-14:30 Pranzo

14:30-14:50 Y. Capitani: "Theoretical description of few-nucleon scattering states in terms of integral relations"

14:50-15:10 L. Ceccarelli: "Theoretical study of muon capture on deuteron using local chiral interactions"

15:10-15:30 J.M. Franco-Patino: "Modelling semi-inclusive neutrino-nucleus scattering"

15:30-16:10 G. Pagliara: "Physics of compact stars in NEUMATT"

16:10-16:30 F. Burgio: "Recent advances in finite temperature equations of state and applications"

16:30-17:00 Coffee-Break

17:00-17:40 S. Quaglioni: "Noise-resilient quantum simulation of nuclear dynamics"

17:40-18:00 J. Ferretti: "Hidden-charm tetraquarks with strangeness at LHCb"

Martedì 23

9:30-10:10 A. Beraudo: "Accessing the properties of deconfined matter in heavy-ion collisions"

10:10-10:30 G. Comitini: "Perturbation theory of non-perturbative QCD: A massive expansion from first principles"

10:30-10:50 A. Palermo: "Local polarization and spin shear coupling in a relativistic fluid"

10:50-11:10 Coffee-Break

11:10-11:50 F.C. Celibero: "NINPHA: theoretical activities on QCD and hadronic structure"

11:50-12:10 L. Maxia: "J/psi polarization within NRQCD and matching issue in SIDIS"

12:10-12:30 A. Giachino: "Pentaquarks and the fully-charm tetraquark  $X(6900)$  at LHCb"

12:30-14:00 Pranzo

14:00-14:40 C. Barbieri: "Ab initio computations of structure and reactions of atomic nuclei"

14:40-15:00 F. Marino: "Energy functionals grounded in ab initio calculations: a systematic ladder of approximations"

15:00-15:20 S. Burrello: "Bridging ab-initio and EDF theories: applications to nuclear matter and finite nuclei"

15:20-15:40 F. Di Clemente: "Testing the two family scenario: BH-NS mergers"

15:40-16:00 D. Logoteta: "A finite temperature equation of state from microscopic calculations"

16:00-16:30 Coffee-Break

16:30-16:50 M. Bejger: "Unraveling the character of possible dense-matter state transition from neutron stars observations"

16:50-17:10 M. Antonelli: "Friction in superfluid neutron stars"

17:10-18:10 Discussione

20:00 Cena Sociale Ristorante Il Campano (Pisa)

Mercoledì 24

- 9:00-9:20 A. Colombi: "Towards optimized  $^{47}\text{Sc}$  production: a journey from nuclear reaction modeling to numerical computations"
- 9:20-9:40 F. Barbaro: "Modeling of  $^{52}\text{Mn}$  production with V target: from cross sections to dosimetry"
- 9:40-10:00 G. De Gregorio: "Shell-model calculations of the neutrinoless double-beta decay matrix elements"
- 10:00-10:20 G. Singh: "Exploring the halo character of dripline nucleus  $^{31}\text{F}$ "
- 10:20-10:40 P. Finelli: "Microscopic optical potentials. Recent achievements and applications"
- 10:40-11:00 Coffee-Break
- 11:00-11:20 I. Moumène: "Localization of peripheral reactions and sensitivity to the imaginary potential"
- 11:20-11:40 M. Cerruti: "Progresses on the extraction of unpolarized TMDs through global fits"
- 11:40-12:00 S. Rajesh: "Sivers Asymmetry in  $J/\psi$  Leptoproduction at EIC"
- 12:00-12:20 A. Simonelli: "Theoretical overview of the factorization properties of hadronic cross sections"
- 12:20-12:40 O. Gonzalez: "Hadronic Transverse Momentum Phenomena"
- 12:40-14:30 Pranzo
- 14:30-14:50 M.L. Sambaturo: "Charm and Bottom dynamics in the Quark-Gluon Plasma: spectra and collective flows"
- 14:50-15:10 L. Oliva: "Heavy quark as a probe of the initial electromagnetic fields and vorticity in relativistic HIC"
- 15:10-15:30 D. Pablos: "Jet Quenching and Tomography in relativistic HIC (preliminarily)"
- 15:30-15:50 V. Minissale: "Hadronization of heavy quark from pp to AA at TeV scale"
- 15:50-16:00 Saluti
- 16:00 Fine riunione