

**TNPI2021- XVIII Conference
on Theoretical Nuclear Physics
in Italy**

Report of Contributions

Contribution ID: 1

Type: **not specified**

The EoS of dense matter and nuclear physics constraints

Monday, 22 November 2021 11:00 (40 minutes)

Presenter: GULMINELLI , Francesca (Unicaen/LPC/Ensicaen)

Contribution ID: 2

Type: **not specified**

Current status of the nuclear interaction in chiral and pionless effective field theories

Monday, 22 November 2021 11:40 (40 minutes)

Presenter: GIRLANDA, Luca (INFN-LE & Un. Salento)

Contribution ID: 3

Type: **not specified**

EFT description of α cluster nuclei: The ${}^9\text{Be}$ ground state and ${}^9\text{Be}$ photodisintegration

Monday, 22 November 2021 12:20 (20 minutes)

Presenter: FILANDRI, Elena (INFN-TIFPA)

Contribution ID: 4

Type: **not specified**

Theoretical description of few-nucleon scattering states in terms of integral relations

Monday, 22 November 2021 14:30 (20 minutes)

Presenter: CAPITANI, Ylenia (Università di Trento)

Contribution ID: 5

Type: **not specified**

Theoretical study of muon capture on deuteron using local chiral interactions

Monday, 22 November 2021 14:50 (20 minutes)

Presenter: CECCARELLI, Laura (Universita' di Pisa)

Contribution ID: 6

Type: **not specified**

Modelling semi-inclusive neutrino-nucleus scattering

Monday, 22 November 2021 15:10 (20 minutes)

Presenter: FRANCO PATINO, Juan Manuel (University of Seville & University of Turin/INFN Turin.)

Contribution ID: 7

Type: **not specified**

Physics of compact stars in NEUMATT

Monday, 22 November 2021 15:30 (40 minutes)

Presenter: PAGLIARA, Giuseppe (Universita' di Ferrara)

Contribution ID: 8

Type: **not specified**

:Recent advances in finite temperature equations of state and applications

Monday, 22 November 2021 16:10 (20 minutes)

Presenter: BURGIO, Giuseppina Fiorella (INFN-CT)

Contribution ID: 9

Type: **not specified**

Noise-resilient quantum simulation of nuclear dynamics

Monday, 22 November 2021 17:00 (40 minutes)

Presenter: QUAGLIONI , Sofia (LLNL)

Contribution ID: **10**

Type: **not specified**

Hidden-charm tetraquarks with strangeness at LHCb

Monday, 22 November 2021 17:40 (20 minutes)

Presenter: FERRETTI, Jacopo (INFN-ROMA1)

Contribution ID: 11

Type: **not specified**

Accessing the properties of deconfined matter in heavy-ion collisions

Tuesday, 23 November 2021 09:30 (40 minutes)

Presenter: BERAUDO, Andrea (INFN-TO)

Contribution ID: 12

Type: **not specified**

Perturbation theory of non-perturbative QCD: A massive expansion from first principles

Tuesday, 23 November 2021 10:10 (20 minutes)

Presenter: COMITINI, Giorgio (Università di Catania)

Contribution ID: 13

Type: **not specified**

Local polarization and spin shear coupling in a relativistic fluid

Tuesday, 23 November 2021 10:30 (20 minutes)

Presenter: PALERMO , Andrea (Università di Firenze, INFN-FI, Goe)

Contribution ID: 14

Type: **not specified**

NINPHA: theoretical activities on QCD and hadronic structure

Tuesday, 23 November 2021 11:10 (40 minutes)

Presenter: CELIBERTO, Francesco Giovanni (University of Pavia and INFN-PV)

Contribution ID: 15

Type: **not specified**

J/psi polarization within NRQCD and matching issue in SIDIS

Tuesday, 23 November 2021 11:50 (20 minutes)

Presenter: MAXIA, Luca (INFN-CA)

Contribution ID: 16

Type: **not specified**

Pentaquarks and the fully-charm tetraquark X(6900) at LHCb

Tuesday, 23 November 2021 12:10 (20 minutes)

Presenter: GIACHINO, Alessandro (INFN-GE)

Contribution ID: 17

Type: **not specified**

Ab initio computations of structure and reactions of atomic nuclei

Tuesday, 23 November 2021 14:00 (40 minutes)

Presenter: BARBIERI, Carlo (INFN-MI)

Contribution ID: **18**

Type: **not specified**

Energy functionals grounded in ab initio calculations: a systematic ladder of approximations

Tuesday, 23 November 2021 14:40 (20 minutes)

Presenter: MARINO, Francesco (INFN-LNF)

Contribution ID: 19

Type: **not specified**

Bridging ab-initio and EDF theories: applications to nuclear matter and finite nuclei

Tuesday, 23 November 2021 15:00 (20 minutes)

Presenter: BURRELLO, Stefano (INFN-LNS)

Contribution ID: 20

Type: **not specified**

Testing the two family scenario: BH-NS merger

Tuesday, 23 November 2021 15:20 (20 minutes)

Presenter: DI CLEMENTE, Flavio (Universita' di Roma1)

Contribution ID: 21

Type: **not specified**

A finite temperature equation of state from microscopic calculations

Tuesday, 23 November 2021 15:40 (20 minutes)

Presenter: LOGOTETA, Domenico (INFN-PI)

Contribution ID: 22

Type: **not specified**

Unraveling the character of possible dense-matter state transition from neutron stars observations

Tuesday, 23 November 2021 16:30 (20 minutes)

Presenter: BEJGER, Michael (INFN-FE)

Contribution ID: 23

Type: **not specified**

Towards optimized 47Sc production: a journey from nuclear reaction modeling to numerical computations

Wednesday, 24 November 2021 09:00 (20 minutes)

Presenter: COLOMBI , Alessandro (Universita di Pavia and INFN-PV)

Contribution ID: 24

Type: **not specified**

Modeling of ^{52}gMn production with V target: from cross sections to dosimetry

Wednesday, 24 November 2021 09:20 (20 minutes)

Presenter: BARBARO, Francesca (INFN-PD)

Contribution ID: 25

Type: **not specified**

Shell-model calculations of the neutrinoless double-beta decay matrix elements

Wednesday, 24 November 2021 09:40 (20 minutes)

Presenter: DE GREGORIO, Giovanni (INFN-NA)

Contribution ID: 26

Type: **not specified**

Exploring the halo character of dripline nucleus ^{31}F

Wednesday, 24 November 2021 10:00 (20 minutes)

Presenter: SINGH, Gagandeep (Indian Institute of Technology Roorkee & INFN-PD)

Contribution ID: 27

Type: **not specified**

Microscopic optical potentials. Recent achievements and applications

Wednesday, 24 November 2021 10:20 (20 minutes)

Presenter: FINELLI, Paolo (INFN-BO)

Contribution ID: 28

Type: **not specified**

Localization of peripheral reactions and sensitivity to the imaginary potential

Wednesday, 24 November 2021 11:00 (20 minutes)

Presenter: MOUMENE , Imane (Cadi Ayyad University, Marocco)

Contribution ID: 29

Type: **not specified**

Progresses on the extraction of unpolarized TMDs through global fits

Wednesday, 24 November 2021 11:20 (20 minutes)

Presenter: CERUTTI, Matteo (Uni. Pavia & INFN-PV)

Contribution ID: **30**

Type: **not specified**

Sivers Asymmetry in J/ψ Leptoproduction at EIC

Wednesday, 24 November 2021 11:40 (20 minutes)

Presenter: RAJESH, Sangem (INFN-PG)

Contribution ID: 31

Type: **not specified**

Theoretical overview of the factorization properties of hadronic cross sections

Wednesday, 24 November 2021 12:00 (20 minutes)

Presenter: SIMONELLI, Andrea (INFN-TO)

Contribution ID: 32

Type: **not specified**

Hadronic Transverse Momentum Phenomena

Wednesday, 24 November 2021 13:30 (20 minutes)

Presenter: GONZALEZ-HERNANDEZ , Jose Osvaldo (Un. Torino)

Contribution ID: 33

Type: **not specified**

Charm and Bottom dynamics in the Quark-Gluon Plasma: spectra and collective flows”

Wednesday, 24 November 2021 12:20 (20 minutes)

Presenter: SAMBATARO, Maria Lucia (INFN-CT)

Contribution ID: 34

Type: **not specified**

Heavy quark as a probe of the initial electromagnetic fields and vorticity in relativistic HIC

Wednesday, 24 November 2021 13:50 (20 minutes)

Presenter: OLIVA, Lucia (INFN-LNS)

Contribution ID: 35

Type: **not specified**

Jet Quenching and Tomography in relativistic HIC (preliminary)

Wednesday, 24 November 2021 14:10 (20 minutes)

Presenter: PABLOS ALFONSO, Daniel (INFN-TO)

Contribution ID: 36

Type: **not specified**

Hadronization of heavy quark from pp to AA at TeV scale

Wednesday, 24 November 2021 14:30 (20 minutes)

Presenter: MINISSALE, Vincenzo (INFN-LNS)

Contribution ID: 37

Type: **not specified**

Friction in superfluid neutron stars

Tuesday, 23 November 2021 16:50 (20 minutes)

Presenter: ANTONELLI, Marco (CNRS, LPC Caen)

Contribution ID: **38**

Type: **not specified**

Discussione

Tuesday, 23 November 2021 17:10 (50 minutes)