Talks presented at international conferences and workshops

Probing a-like quartet condensation in N=Z nuclei by a- transfer reactions

N. Sandulescu

16th Varena Conference on Nuclear Reaction Mechanism (Varenna, Italy, 11-16/06/2023)

Proton-neutron pairing and quartet correlations in N=Z nuclei

N. Sandulescu

Frontiers in Nuclear Structure Theory (Stockholm, Sweden, 23-25/05/2022)

Proton-neutron pairing and quartet correlations in ground/excited states of N=Z nuclei

N. Sandulescu

European Nuclear Physics Conference (Santiago de Compostela, Spain, 22-28/10/2022)

Proton-neutron pairing and alpha-like quartet correlations in nuclei

N. Sandulescu

Nuclear Structure and Dynamics (Venice, Italy, 13-17/05/2019)

Alpha-like quartet correlations and proton-neutron pairing in nuclei close to N=Z line

N. Sandulescu

Fundamentals of Nuclear Particles Decays (Stockholm, Sweden, 28-30/08/2019)

Fingerprints of alpha-like quartet correlations in N=Z nuclei

N. Sandulescu

Recent advances on pn pairing and quartet correlations in nuclei (II) (Saclay, France, 2-8/09/2019)

Signatures of quartet condensation in N=Z nuclei

N. Sandulescu

Quantum Phase Transitions in Nuclei and Many-body Systems (Padova, Italy, 22-25/05/2018)

Proton-neutron pairing and quartet correlations in nuclei

N. Sandulescu

Recent advances on pn pairing and quartet correlations in nuclei (I) (Saclay, France, 10-13/09/2018)

Proton-neutron pairing and quartet correlations in nuclei

N. Sandulescu

Recent developments in microscopic theories for nuclear structure (Madrid, Spain, 29/11-01/12/2017)

Pairing, alpha-like quartetting and Yang criterion for identifying long range superfluid-type correlations N. Sandulescu

Advanced many-body and statistical methods in mesoscopic systems (Brasov, Romania, 4-8/09/2017)

Proton-neutron pairing and alpha-like quartet correlations in nuclei

N. Sandulescu

Current Problems and Prospects for Nuclear Structure (Sant'Angelo d'Ischia, Italy, 15-19/05/2017)

Proton-neutron pairing and quartetting in nuclei

N. Sandulescu

XXII International School on Nuclear Physics and Applications (Varna, Bulgaria, 10 – 16/09/2017)

Quartet correlations induced by pairing forces

N. Sandulescu

Workshop on "NN and quartet correlations in nuclei" (Yukawa Institute, Kyoto, Japan, 27 June 2016)

Proton-neutron pairing and quartetting in nuclei

N. Sandulescu

Proton-neutron pairing and quartet correlations in nuclei (ECT* Trento, Italy, 19-24/09/2016)

Pairing and quartetting in nuclei

N Sandulescu

Nuclear Structure and Dynamics III (Portoroz, Slovenia, 14-19/06/2015)

Pairing and quartetting in nuclei

N. Sandulescu

XXI International School on Nuclear Physics and Applications (Varna, Bulgaria, 07-0.11/09/2015)

Proton-neutron pairing and alpha-type quartet correlations: shell model versus mean field

N. Sandulescu

Recent Advances in the Nuclear Shell Model (GANIL-Caen, France, 19-20.06. 2014)

Pairing and quarteting in proton-neutron systems

N. Sandulescu

Computational Challenges in Nuclear and Many-Body Physics (NORDITA, Stockholm, 15.09-10.10/2014)

Pairing and quartet condensation in proton-neutron systems

N. Sandulescu

Advanced many-body and statistical methods in mezoscopic systems (Brasov, Romania, 1-5.09, 2014)

Alpha-like quartet correlations and proton-neutron pairing in N=Z nuclei

N. Sandulescu, D. Negrea, J. Dukelsky, C. W. Johnson

European Nuclear Physics Conference (Bucharest, Romania, 16-21/09/2012)

Pairing and alpha-like quartet condensation in N=Z nuclei

N. Sandulescu

International Conference "Nuclear Structure and Dynamics" (Opatija, Croatia, 9-13/07/2012)

Pairing and quartet correlations in N=Z nuclei

N Sandulescu

Many-body correlations from dilute to dense nuclear systems (Inst. Henri Poincare, Paris, 15-18/02/2011)

Pairing Correlations in Nuclei: How Accurate are the BCS-type Models?

N. Sandulescu

New Quests in Nuclear Structure (Vietri sul Mare, Italy, 21-25/05/2010]

Spatial correlations induced by pairing in atomic nuclei

N. Sandulescu

Effective Field Theories and the Many-Body Problem (INT- Seattle, USA, 23/03-05/06/2009)

Thermodynamic properties of inner crust matter.

N. Sandulescu

Defining the Neutron Stars Crust: X-ray Bursts, Superbursts and Giant Flares (Santa Fe, 19-21/05/2009)

Generic strong coupling behavior of Cooper pairs in the surface of superfluid nuclei

N. Sandulescu

Nuclear Structure and Related Topics (Dubna, Rusia, 29/06-04/07/2009)

Two-body correlations induced by pairing

N. Sandulescu

Probing pair-correlations: experimental tools and associated models (Saclay, France, 13-15/10/2008)

Properties of pairing correlations in weak, intermediate and strong coupling regimes

N. Sandulescu

Theoretical issues in nuclear astrophysics (IPN-Orsay, France, 31/03-04/04/2008)

Nuclear Superfluidity and Cooling Time of Neutron Stars

N. Sandulescu

The Neutron Star Crust and Surface (INT-Seattle, USA, 18/06-19/07/2007)

36. Nuclear Superfluidity and Cooling Time of Neutron Stars

N. Sandulescu

Summer School "Exotic Nuclei: New Chalanges" (Les Houches, France, 7-18/05/2007)

Nuclear Superfluidity and Thermal Properties of Neutron Stars

N. Sandulescu

Helmholtz International Summer School (Dubna, Rusia, 21/08-01/09/2007)

Nuclear Superfluidity and Thermal Properties of Neutron Stars

N. Sandulescu

International Symposium on Exotic States of Nuclear Matter (Catania, Italy, 11-15/06/2007)

Cooling Time of Neutron Stars in the HFB Approach

N. Sandulescu

Theoretical issues in nuclear astrophysics (IPN-Orsay, France, 10-15/04/2006)

Effective Nuclear Forces in a Quark-Meson Coupling Model

N. Sandulescu

Workshop: Daniel Gogny Jubilee (CEA- Bruyeres le Chatel, France, 05/2006)

Nuclear Superfluidity in Exotic Nuclei and Neutron Stars

N. Sandulescu

<u>International</u> Summer School: Collective Motion and Phase Transitions in Nuclear System (Predeal, Romania, 28/08-09/09/2006)

Screening effects on pairing in neutron matter

N. Sandulescu

Recent Developments in Mean-Field Methods and in the Treatment of Pairing (Saclay, France, 28/06 - 08/07/2005)

Nuclear superfluidity in the crust of neutron stars

N. Sandulescu

International Summer School: Exotic Nuclei and Nuclear/Particle Astrophysics (Mamaia, Romania, 13-24/06/2005)

Shell model in complex energy plane

N. Sandulescu

Workshop: "Shell Model" (CEA/ESNT-Saclay, France, 06/2005)

Neutron stars crust: superfluid properties, collective excitations and specific heat

N. Sandulescu

Workshop: Many-Body Physics of Neutron Stars (IPN-Orsay, France, 04/2005)

Self-consistent continuum QRPA and collective excitations in dripline nuclei

N. Sandulescu

Workshop: Collective excitations in mean field theories (CEA/ESNT- Saclay, France, 01/2005)

Superfluid and thermal properties of the inner crust of neutron stars.

N. Sandulescu

Workshop: "Theoretical Issues in Nuclear Astrophysics" (IPN-Orsay, France, 03/2004)

Antibound and resonant states in halo nuclei

N. Sandulescu

Workshop: "Nuclear Response under Extreme Conditions", (ECT* Trento, Italy, 10/2003)

Resonant Continuum and Pairing Correlations in Dripline Nuclei

N. Sandulescu

International Summer School on Nuclear Physics (Istanbul, Turkey, 09/1998)

The consequences of a microscopic equation of state on collective flow and multifragmentation \underline{N} . Sandulescu

The XXXII Intern. Winter Meeting on Nuclear Physics (Bormio, Italy, 02/1994)

Microscopical QMSM Calculations in Sn and Pb Isotopes N. Sandulescu

The 4th Spring Seminar on Nuclear Physics (Amalfi, Italy, 05/1992)