

CURRICULUM VITAE OF GIOVANNI DE GREGORIO

EMPLOYEMENT

- RTD A, Università Degli Studi della Campania “Luigi Vanvitelli”, Caserta, 01/01/2022 – today.
- Assegnista di ricerca, Università Degli Studi della Campania “Luigi Vanvitelli”, Caserta, from 15/04/2019 to 31/12/2021.
- Post-Doc, Department of theoretical physics of the Czech Academy of sciences, Rez, from 7/06/2017 to 14/04/2019.

SEMINAR, CONFERENCES AND WORKSHOPS

- Speaker at several (> 15) national and international scientific conferences.
- Member of the organizing committee of 2 editions of the “International Spring Seminar on Nuclear Physics”, 2019 – 2022.
- Member of the organizing committee of the “XV International Conference on Clustering Aspects of Nuclear Structure and Dynamics”, Napoli, 23-27/05/2016.

EDITORIAL AD REFEREEING ACTIVITIES

- Guest Editor of *Physics* (ISSN 2624-8174), an MDPI journal, for special issue “*The Nuclear Shell Model 70 Years after Its Advent: Achievements and Prospects.*”
- Editor of the proceedings of the 13th International Spring Seminar on Nuclear Physics “Current Problems and Prospects for Nuclear Structure”, to be published on J. Phys. Conf. Ser.
- Referee for different international journals.

SCIENTIFIC PROJECTS

- Principal investigator of the Università Degli Studi della Campania “Luigi Vanvitelli” project for young researcher “Technologies for Quantum Computing”. Awarded with 70 kEuro.
- Principal investigator of the European HPC project “Neutrinoless double beta decay of 100Mo”, under the grant of the PRACE-ICEI (Partnership for Advanced Computing in Europe-Interactive Computing European infrastructure). Awarded for an amount of 1.6 Million Core/hours on the CINECA HPC machines.
- Principal investigator of the national project “Calculation of the Nuclear matrix element of Neutrinoless double beta decay using realistic shell model approach”, under the ISCRA (Italian Supercomputing Resource Allocation) grant. Awarded with 1 million core hours.

- Principal investigator of the national project “A three-body chiral interaction for nuclear structure calculations of heavy nuclei”, under the ISCRA grant. Awarded with 250000 core hours.
- Associate researcher for the INFN Research Network MONSTRE, since January 2018.

PUBLICATIONS (Scopus 07/2023)

- Scientific publications on international journals: 53
- Citations: 328
- H-index: 12

SUPERVISION OF STUDENTS

- 4 Physics bachelor students.
- 1 Physics master student.

TEACHING ACTIVITIES

- Theory of Quantum Computation, Master program in Physics.
- Quantum Computing, Master program in Data Science.
- Microscopic Nuclear Structure, Master program in Physics.

