

ALESSANDRO MINOTTI

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PROFESSIONAL RECORDS

2021 – now **Rita Levi Montalcini Research Fellowship**, *Università di Milano-Bicocca*.

2020 – 2021 **Post-Doctoral Fellowship**, *Università di Ferrara*.

2017 – 2020 **Post-Doctoral Fellowship**, *LAPP, IN2P3, Annecy, France*.

2015 – 2017 **Post-Doctoral Fellowship**, *IRFU, CEA-Saclay, Gif-Sur-Yvette, France*.

EDUCATION

2012 – 2015 **Ph.D.**, *IPHC & Université de Strasbourg, Strasbourg, France*.
"Exploitation of pulse shape analysis for correlated background rejection and ortho-positronium identification in the Double Chooz experiment", supervised by Dr. C. Jollet

2009 – 2012 **M.Sc. in Physics**, *Sapienza Università di Roma, Rome, Italy*.
"Study of the ν_μ to ν_e oscillation in the OPERA experiment", supervised by Prof. P. Loverre

EXPERIMENTS & ROLES IN COLLABORATIONS

2020 – now DUNE, LHCb, Collaborator

2018 – 2020 *Laboratoire Souterrain de Modane*, **Tunnel and underground laboratory safety operator**

2018 – 2020 SuperNEMO, **Detector Operation Coordinator**

2017 – 2020 SuperNEMO, Collaborator

2017 – 2020 NEMO-3, Collaborator

2016 – 2017 STEREO, **Analysis Coordinator**

2015 – 2017 STEREO, Collaborator

2012 – 2015 Double Chooz, Collaborator

GRANTS

Aug 2020 **Programma per Giovani Ricercatori ‘Rita Levi Montalcini’**, *MIUR*, 2018.

Jul 2017 **Attaché Temporaire d'Enseignement et Recherche**, *Université de Strasbourg*,
A.A. 2017-18.

FOREIGN QUALIFICATIONS

Feb 2019 **Qualification aux fonctions de maître de conférences**, *Ministère de l'Enseignement Supérieur, France*

SUPERVISION OF GRADUATE STUDENTS

M.Sc. student internship, *LAPP, Annecy, France*.

"Event timing study for cross-talk evaluation using SuperNEMO Demonstrator main calorimeter walls commissioning data"

M.Sc. student internship, *LAPP, Annecy, France*.

"Reconstruction of Bi-Po coincidence events in the SuperNEMO experiment"

EDITORIAL ACTIVITY

2022 **Special Issue Editor**, "New Advances in Nuclear Systems, Reactor Physics, and Neutrino Monitoring of Reactors", MDPI Energies

2021 – 2022 Peer-reviewer for MDPI Energies & MDPI Applied Sciences
(https://www.mdpi.com/journal/energies/special_issues/Nuclear_Reactor)

TEACHING ACTIVITY

2021-2022 **Practical Trainings**, *Università degli studi di Milano Bicocca, Italy*. classical physics & statistics

2020 – 2021 **Practical Trainings**, *Università degli studi di Ferrara, Italy*. classical physics, statistics & programming

2019 – 2020 **Physics Tutorials**, *IUT Anecy, Université Savoie Mont Blanc, Annecy, France*. classical mechanics, thermodynamics, wave physics

2019 – 2020 **Practical Trainings**, *IUT Anecy, Université Savoie Mont Blanc, Annecy, France*. electromagnetism & optics

2018 – 2019 **Physics Tutorials**, *IUT Anecy, Université Savoie Mont Blanc, Annecy, France*. classical mechanics, thermodynamics, wave physics

2018 – 2019 **Practical Trainings**, *IUT Anecy, Université Savoie Mont Blanc, Annecy, France*. electromagnetism & optics

2017 – 2018 **Practical Trainings**, *IUT Anecy, Université Savoie Mont Blanc, Annecy, France*. electromagnetism & optics, on-board computer systems

ORGANISATION OF SCIENTIFIC MEETINGS

Mar 2019 **SuperNEMO collaboration meeting**, *welcome institution organiser, LAPP*, Annecy, France, 44 participants.

CONFERENCES

Invited plenary talk, *La Thuile 2022*, La Thuile, Italy.

"Neutrino Oscillations from Reactor Experiments, Neutrino Reactor Anomaly and Sterile Neutrino"

Poster, *NuFact 2021*, Cagliari, Italy.

"Status of the search for light sterile neutrinos at short baselines"

Talk, *Lomonosov 2021*, online event.

"Status of the search for light sterile neutrinos at short baselines"

Poster, *TAUP 2021*, online event.

"Characterization of the DUNE photodetectors and study of the event burst phenomenon"

Poster, *WIN 2021*, online event.

"The Reactor Antineutrino Anomaly and Light Sterile Neutrino"

Talk, *CNNP 2020*, Cape Town, South Africa. "Status of the SuperNEMO Experiment"

Talk, *Lomonosov 2019*, Moscow, Russia. "Status of the SuperNEMO Experiment"

Poster, *Neutrino 2018*, Heidelberg, Germany. "SuperNEMO $0\nu\beta\beta$ Sensitivity Studies"

Talk Prize, *CNNP 2017*, Catania, Italy.

"Chasing the Light Sterile Neutrino: Status of the STEREO Experiment" - best talk from young scientist

Invited plenary talk, *Rencontres du Vietnam: NuFact 2016*, Quy Nhon, Vietnam.

"Review on 1 eV Scale Sterile Neutrino Search at Short Baseline"

Poster, *Neutrino 2016*, London, UK.

"Chasing the Light Sterile Neutrino with the Stereo Experiment"

Talk, 2015 *International Workshop on Prospects of Particle Physics: NPA*, Valday, Russia.

"Latest Results of Double Chooz"

Poster, *ICHEP 2014*, Valencia, Spain.

"Observation of Ortho-positronium Formation in Double Chooz"

Talk, *Journées de Rencontre Jeunes Chercheurs 2013*, Barbaste, France.

"Pulse shape Discrimination in the Double Chooz Experiment"

Talk, 2013 *GDR neutrino, Pierre and Marie Curie university*, Paris, France. "Pulse Shape Discrimination in Liquid Scintillator Experiments"

OUTREACH

2019 – 2020 **Area manager**, *LAPP permanent physics exhibition Eutopia*, Annecy, France.

Oct 2019 **Scientific communicator**, *Fête de la science*, Annecy, France.

Oct 2013 **Scientific communicator**, *Fête de la science*, Strasbourg, France.

2011 – 2012 **Content writer**, *Sapienza students' physics informative newspaper*, Rome, Italy.