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Born 05 November 1997
Single - Driving licence

Nicolas De Angelis

Curriculum Vitae

Work Experience

Sept 2019 – Dec 2024 **PhD in high energy astrophysics**, *Département de Physique Nucléaire et Corpusculaire (DPNC), University of Geneva*, Geneva, Switzerland.
Development of the next generation Compton polarimeter POLAR-2: SiPM characterization, Optical characterization and Geant4 simulation, data acquisition with ASIC/FPGA-based electronics, Space qualification campaigns (irradiation, vibration and shock, thermal vacuum cycling), Mechanical assembly/design, Gamma-ray detector calibration
Gamma-Ray Burst polarization data analysis with the POLAR data
Involved in the development of other future space-based experiments: eXTP, LEAP
Research work published in peer-reviewed journals and presented in international conferences/workshops

Sept 2019 – June 2023 **Teaching Assistant**, *Section de Physique, University of Geneva*, Geneva, Switzerland.
Teaching experimental laboratory of physics (classical mechanics, thermodynamics, optics, electronics, nuclear physics) to biology students - 8 hours per week (2019-2020)
Teaching general physics (classical mechanics, thermodynamics, electrodynamics, hydrodynamics, elasticity) to biology, geology, pharmacy, and IT students - 4 hours per week (2020-2023)

Sept–Dec 2018 **Auxiliaire de Recherche et d'Enseignement**, *Département de Physique de la Matière Quantique (DQMP), University of Geneva*, Geneva, Switzerland.
Teaching experimental laboratory of physics to biology students - 4 hours per week

Education and Training

2017–2019 **Master's degree in Nuclear and Particle Physics**, *Département de Physique Nucléaire et Corpusculaire (DPNC), University of Geneva*, Geneva, Switzerland.
Master thesis: Studies of readout electronics and optical elements for a gamma-ray telescope (CTA SST-1M) – `https://cds.cern.ch/record/2683289`
Work presented at the CTA Consortium meeting of Lugano in June 2019

Summer 2017 **Internship at CERN in the group of Prof. Iacobucci (ATLAS collaboration)**, *European Organization for Nuclear Research*, Geneva, Switzerland.
Finite element simulation of hybrid HV-CMOS cross coupling

2014–2017 **Bachelor's degree in Physics**, *University of Geneva*, Geneva, Switzerland.

2011–2014 **French Baccalaureat in Science (A-Level equivalent) with Honours, major in engineering sciences and mathematics**, *Lycée Charles Poncet*, Cluses, France.

Programming Skills

Software	LaTeX, Matlab, Mathematica, Cadence PSpice, LabView, COMSOL Multiphysics, SolidWorks, Catia, mecaflux Heliciel, Igor Pro, Maple, Adobe Illustrator/Lightroom, Gimp, Microsoft Office Suite
Programming language	Python, C, C++, ROOT, Geant4, basic knowledge of R and C#

Languages

French	Mother Tongue	
English	Fluent	
Italian	Intermediate	
German	Basic	*Basic words and phrases only*
Russian	Basic	*Basic words and phrases only*

Interests

- Amateur Astronomy
- Photography and Astrophotography
- Sport: Running, Climbing, Yoga, Badminton, Hiking, Swimming, Cycling
- Space exploration
- Science & Engineering

Nicolas De Angelis,
07th July 2023