Leïla Haegel
Researcher in particle physics

Institute of Physics of the 2 Infinities
CNRS / University Claude Bernard Lyon 1
4 rue Enrico Fermi, 69100 Villeurbanne, France
l.haegel@ip2i.in2p3.fr   /   +33 4 72 43 13 08

RESEARCH EXPERIENCE

Institute of Physics of the 2 Infinities of Lyon (France) - *CNRS Researcher*   2023 - present
Neutrino physics with the RICOCHET (coherent ν-N scattering) and DUNE (oscillations) experiments.

Astroparticles and Cosmology Laboratory (France) - *Postdoctoral Researcher*   2020 - 2022
Probing spacetime symmetry breaking with the gravitational waves detected by LIGO - Virgo - KAGRA [1]

GRAVITY group, University of Balearic Islands (Spain) - *Postdoctoral Researcher*   2017 - 2019
Neural network applications to model black holes properties detected by the LIGO - Virgo collaboration [2]

DPNC, University of Geneva (Switzerland) - *Doctoral Researcher*   2013 - 2017
Measurement of neutrino oscillation parameters and matter-antimatter asymmetry with T2K experiment [3]

EDUCATION

PhD - *University of Geneva (Switzerland)*   2017
Master in Fundamental Physics - *University Paris-Saclay (France)*   2013
Bachelor in Physics & Applications - *University of Montpellier (France)*   2011

PUBLICATIONS

Full publication list available on INSPIRE-HEP: https://inspirehep.net/authors/1348388
Selected publications: [1] L. Haegel et al, *Phys.Rev.D* 107 (2023) 6, 6
                                    [2] L. Haegel et al, *Class.Quant.Grav.* 37 (2020) 13, 13
                                    [3] T2K Collaboration, *Phys.Rev.Lett. 118* (2017) 15, 151801
Scientific refeeree for Physical Review Letters, Physical Review D, Machine Learning: Sci. & Tech.

RESEARCH GRANTS & FELLOWSHIPS

Marie Skłodowska-Curie Action (EU) - *Postdoctoral grant:* Project GWPHYS   2022
Postdoc Mobility grant (SNSF) - *Postdoctoral grant:* Project 199307   2021 - 2022
Early Postdoc Mobility grant (SNSF) - *Postdoctoral grant:* Project 181461   2019 - 2020
Lindau Nobel Laureate Meeting - *Conference grant*   2019

INSTITUTIONAL RESPONSIBILITIES

IN2P3 Scientific Council (CoNRS) - *elected member*   2024 - present
Virgo Collaboration Organising Committee - *appointed member*   2021 - 2022
Virgo Collaboration Early Career Scientists - *elected chair*   2020 - 2021

TEACHING

School of Statistics (IN2P3 doctoral school) - *Bayesian statistics & methods*   2023 - present
Physics tutorials & laboratories (Univ. of Geneva) - *teaching assistant*   2013 - 2016