curriculum vitæ of

Jordan Philidet

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99 route des Gardes, 92190 Meudon, France

Education

Oct. 2018 – present
Ph.D. in Astrophysics — Observatoire de Paris, France
Title: Study of the Coupling between Turbulent Convection and Solar-like Oscillations.
Supervisors: Kevin Belkacem and Marie-Jo Goupil

Sept. 2017 – Apr. 2018
Preparation to the **agrégation examination** — Ecole Normale Supérieure, France
Physics – Chemistry (Option: Physics)
Admitted. Rank: 2nd

Sept. 2016 – Jul. 2017
Master's Degree (2nd year) — Observatoire de Paris, France
Astronomy, Astrophysics and Spatial Engineering
Thesis title: The Magneto-Rotational Instability in stellar interiors

Sept. 2015 – Jul. 2016
Master's Degree (1st year) — Ecole Normale Supérieure, France
International Center for Fundamental Physics
"Mention Bien" (average grade: 14.6/20)

Sept. 2014 – Jul. 2015
Bachelor's Degree — Ecole Normale Supérieure, France
Interdisciplinary Physics Formation
"Mention Bien" (average grade: 14.16/20)

Apr. 2014 – Aug. 2014
National competitive exam for entry to engineering schools
Admitted into Ecole Normale Supérieure and Ecole Polytechnique

Sept. 2012 – Mar. 2014
Two-year intensive program — Lycée du Parc, Lyon
preparing for the national competitive exam for entry to engineering schools

Jul. 2012
High School Diploma — Lycée Condorcet, Saint-Priest
"Mention Très Bien"

Experience

Mar. 2017 – Jul. 2017
Research Internship — LRA, Ecole Normale Supérieure, France
Supervision: Pr. Ludovic Petitdemange
Title: Magneto-Rotational Instabilité in stellar interiors
Duration: 3 months

Feb. 2016 – Aug. 2016
Research Internship — Oxford University, United Kingdom
Supervision: Pr. Suzanne Aigrain
Title: Analysis of the rotation of very young stars in Upper Scorpius and Rho Ophiuci cloud complex with K2 data
Duration: 6 months

Jun. 2015 – Jul. 2015
Research Internship — Institut de Physique Nucléaire de Lyon, France
Supervision: Pr. Michel Farizon
Title: Analysis of the velocity of fragments produced by the evaporation of water nanodroplets with the ROOT environment
Duration: 5 weeks

Publications

1. **J. Philidet**, C. Gissinger, F. Lignières, L. Petitdemange **(2019)** Magnetohydrodynamics of stably stratified regions in planets and stars, *Geophysical and Astrophysical Fluid Dynamics*, 114:3, 336-355, DOI: 10.1080/03091929.2019.1670827
2. **J. Philidet**, K. Belkacem, R. Samadi, C. Barban, H.-G. Ludwig **(2020)** Modelling the asymmetries of the Sun's radial p-mode line profiles, *Astronomy and Astrophysics*, 635, A81, DOI: 10.1051/0004-6361/201936847
3. **J. Philidet**, K. Belkacem, H.-G. Ludwig, R. Samadi, C. Barban **(2020)** Velocity-intensity asymmetry reversal of solar radial p-modes, *Astronomy and Astrophysics* (Accepted for publication)

Skills

Strong knowledge of the programming languages **Python** and **Fortran**
Working knowledge in **C++** and `IDL`
Languages: French (mother language), English (fluent)