

Anthony Noll

14, Avenue Edouard Belin
31400 Toulouse
France

✉ anthony.noll@irap.omp.eu

PhD student, Astrophysics, IRAP

Education

- 10/2018–12/2021 **Université Paul Sabatier - IRAP**, Toulouse, PhD.
Constraints on the stellar structure using subgiants seismology, supervised by Sébastien Deheuvels.
- 2017–2018 **Université Paul Sabatier**, Toulouse, *Master 2*.
Master Astrophysique, Sciences de l'Espace, Planétologie (ASEP)
- 2014–2018 **ISAE-Supaero**, *Engineering school*, Toulouse.
 - 2016–2017: Exchange semester with the University of Tokyo (Japan)
- 2012–2014 **Lycée Masséna**, *Preparatory Classes*, Nice.
Physics/Chemistry

Publications

As first author

- 2021 **A. Noll, S. Deheuvels and J. Ballot**.
Probing core overshooting using subgiant asteroseismology: The case of KIC10273246
Astronomy & Astrophysics, Volume 647, id.A187

As co-author

- 2020 **Metcalfe et al.**.
The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS
The Astrophysical Journal, Volume 900, Issue 2, id.154
- 2020 **Deheuvels et al.**.
Seismic evidence for near solid-body rotation in two Kepler subgiants and implications for angular momentum transport
Astronomy & Astrophysics, Volume 641, id.A117
- 2019 **Huber et al.**.
A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS
The Astronomical Journal, Volume 157, Issue 6, article id. 245

Related Experience

- 2019 Participation to the subgiant modeling Hares & Hounds exercise, in the framework of the PLATO WP124 led by Margarida Cunha.

Teaching Experience

- 2018–2020 **Université Paul Sabatier**, *Licence Physique*, Toulouse.
I worked as a teaching assistant in the following courses:
 - 1st year students Introductory mathematics, Newtonian mechanics, Geometrical Optics, Electricity practical classes
 - 3rd year students Fluid mechanics, Introductory astronomy

Communication

- 2020 **Group workshop**, *Talk*, Toulouse (France).
Seismic study of KIC10273246
- 2019 **TESS/Kepler Asteroseismology Science Consortium meeting**, *Talk*, Cambridge (USA).
Probing the extension of convective cores with subgiants observed by Kepler and TESS
- 2019 **PhD Day**, *Talk*, Toulouse (France).
Asteroseismology of subgiants

Programming languages

Proficient Python, Fortran, Bash, \LaTeX
Familiar C, Java

Outreach

- 2018– **UniverSciel**, Occitanie (France).
In this scientific outreach association of PhD students, I took part in several events incorporating:
- Introduction to scientific academic studies in regional high schools
 - Introduction to mathematics thanks to science games and animations in the festival Maths En Scènes
 - Construction of a stratospheric balloon as an introduction to experimental science in the one-week festival AstroJeunes, with teenagers in 2019 and through the web in 2020.