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born on: 28/06/1982 at Toulouse (France)
3 childs (11, 8 and 1 yrs-oldh)

Isabelle Boisse
Assistant Astronomer
Laboratoire d'Astrophysique de Marseille and OHP

RESEARCH INTERESTS

Extrasolar planets: detection, characterisation of peculiar objects

Stellar activity (chromospheric, photospheric): observation, simulation, in spectroscopy and photometry

High-resolution spectroscopy: observation, instrumentation, data analysis

WORK EXPERIENCE

2014 - ... : **Astronome-Adjoint** (perm. position) at LAM, France

2010 - 2013 : **Post-doctorat** with N.C. Santos at the Centro de Astrofísica da Universidade do Porto (CAUP), Portugal

2007 - 2010 : **PhD thesis** : *Doppler spectroscopy diagnostics for research and characterisation of exoplanets* with Pr. Bouchy F. and Pr. Hébrard G., at the Institut d'Astrophysique de Paris (IAP), France

Teaching assistant (practical work and tutorial) in physics to L1 and L2 students at University Pierre & Marie Curie, Paris, France, 64 hours/year (3 years)

PUBLICATIONS, COMMUNICATIONS & REFEREE ACTIVITIES

- Refereed papers in international journals: 150 papers published which 7 first-author papers
- Citations in published refereed papers in ADS : H-index: 41; average citation per paper: 75 on the first author papers
- 17 oral presentations in international refereed conferences with 6 invited
- Panelist for the NSF (USA), ISF (Isr.), Czech Science Fund and french Universities.
- Panelist for the FTAC and LPTAC for CFHT 2018-2022, ESO panelist in P98, P99, P100, P107
- Referee for A&A, ApJ, AJ, MNRAS, PASP

MANAGEMENT & PROJECTS, COLLABORATIONS

- 2022 - ... : Member of the scientific team of the spatial project nuANCESTOR
- 2016-... : PI of the Consortium SOPHIE
- 2016-... : PI, instrument scientist and management of the SOPHIE-red project
- 2014-... : French representative at the Executive board of ANDES@ELT
- 2012-2017 : Instrument scientist for SPIRou calibration unit (deputy then responsible)
- 2010-... : Local responsible of SPIRou nIR spectropolarimeter
- 2018-2024 : Scientific team member for NIRPS spectrograph (3.6m, LaSilla, ESO)

PRIZES & GRANTS

- 2025-2029 : 185 ke local responsible ANR ORVET
- 2022 : 108 ke from PACA for ANDES@ELT material
- 2018-2023 : 150 ke local responsible ANR SPLASH
- 2018-2021 and 2024-2027 : PEDR (4keuros / yr)
 - 2019 - now : 10 ke /yr for ANDES french team
 - 2014 - now : 8ke each yr for exoplanet RV team
 - 2018-2019 : 22 and 23keuros from CNRS for SOPHIE hardware improvements
 - 2015 : co-PI of the 225 keuros from the A*MIDEX fondation for SPIRou hardware
 - 2014-2015 : 8 keuros from Bourse Campus France PHC-Pessoa
 - 2014 : 9 keuros from LAM to buy equipment for SPIRou
 - 2014 : 2 keuros research grant from the city of Marseille

ADMINISTRATIVE & ORGANIZATION ACTIVITES

- Chair of the LOC and SOC member of the international conference OHP 2025: 51 Peg b 30th birthday : cool giants and their systems
- Member of the Scientific Advisory Committee (SAC) of the CFHT 2023 - 2027
- Membre of the University National Council (CNU) section 34 2018 - 2026
- Membre of Comite Transverse Exoplanete (CET) 2021 - 2024 - Co-responsible 2023-2024
- Member of CS to organize french scientific meetings : HIRES (2020), SF2A-ELT (2021), ExoELT (2022), PNP colloquium (2022), Exosystemes IV (2024) - Chair of the LOC and SOC member of the international conference OHP 2020: Planets of red dwarf stars cancelled due to COVID
- Co-organizer of an EWASS 2019 symposia <https://eas.unige.ch//EWASS2019/session.jsp?id=S9>
- Membre of Scientific Council of OSU-Pytheas 2017-2023
- Membre of Scientific Council of 1.93m telescope at OHP since 2017
- Membre of Scientific Council of LAM 2016-2019 and since 2023
- Membre of Scientific Council of the Programme National de Planétologie (PNP) since 2014
- Membre of the SOC of the EPRV 4 international conference - 2019
- Membre of the SOC of the SPIRou Science Meeting 2016
- Chair of the SOC and LOC member of the international conference OHP 2015:Twenty years of giant exoplanets
- Co-organizer the splinter session "Portraying the Hosts" Cool Stars 18, Flagstaff, USA 2014 <https://sites.google.com/site/coldstars18/>
- Membre of the Scientific Council at CAUP 2010-2013
- Organizer of Planet Journal Club at CAUP 2010-2013
- Organizer of a Workshop on Dynamics of extrasolar planets at CAUP in 2011 <http://www.astro.up.pt/investigacao/conferencias/>
- Membre of the Administrative Council of OSU-IAP 2008-2010 (PhD representative at IAP)
- Membre of the Laboratory Council at IAP 2008-2009 (PhD representative at IAP)

SUPERVISION & TEACHING

2014 - now : Teaching 66h/yr licence and master

- 2025-2028 : Co-supervision with Jean-Luc Beuzit of the PhD student, Loula-Grenier-Frassati *Optimal extraction of information from near-infrared extension of SOPHIE* at OHP-LAM
- 2019-2023 : Supervision of the PhD student, Pia Cortes *Improve exoplanet detection and characterization around low-mass stars with SOPHIE and SPIRou spectrographs* at LAM
- 2019-2022 : Supervision of the PhD student, Neda Heidari *Overcoming the stellar activity impact on exoplanet detection and characterization : application to the followup of TESS candidates with the SOPHIE spectrograph* at LAM
- 2016-2019 : Co-supervision with F. Bouchy of the PhD student, Melissa Hobson *Exoplanet detection around M dwarfs with near infrared and visible spectroscopy* at LAM
- 2014-2024 : Each year Master and Graduate trainings (L3, M1, M2 from 2 to 5 months) (20 students)
- 2011-2013 : Contribute to supervise PhD students from the exoplanet team at CAUP

OBSERVING TIME ALLOCATED

- PI : around 100 nights per year for High-precision programs on SOPHIE spectrograph
- PI : CHEOPS, HARPS, UVES, NARVAL open proposal
- co-I on many instruments and proposals : large programs SPIRou, CHEOPS, SOPHIE, NIRPS,...

OUTREACH ACTIVITES

- co-PI of two ERASMUS+ projects to introduce science through astronomy to young kids (2017-2023)
- several interventions on classrooms with kids, during festival (Fete de la Science, Space Bus,...)
- numerous interventions with journalists to explain articles (newspaper, radio, tv)
- participation to a documentary on women working in science
- participation at the colloquium AstroEDU (<https://astroedu-fr.sciencesconf.org/> and to the book <https://hal.archives-ouvertes.fr/hal-03481844> p.424-429)