



Clément Hottier

Post Doc

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Languages

🇫🇷 French ● ● ● ● ●
🇬🇧 English ● ● ● ● ●
🇪🇸 Spanish ● ● ● ● ●

Computing skills

ADQL/SQL
Python/numpy/scipy/pandas
Java
Fortran/C
bash
Cluster use (slurm)

Research experiences

oct 2019- sep 2020 **Post Doc (with teaching duty)** Observatoire de Paris - GEPI
Study of the Milky Way disk with Gaia 2MASS, UKIDSS and VVV datas.
2016-2019 **PhD Thesis** Observatoire de Paris - GEPI
Study of the Milky Way disk with Gaia and 2MASS.
Mar - Jul 2016 **Master's degree intern.** Institut d'Astrophysique de Paris
Modeling non-spherical galaxy clusters by the Metropolis-Hasting algorithm. Supervised by Mamon, G.
Apr - Jul 2015 **Master's degree 1th year intern.** Observatoire de Paris - LERMA
Study of the 21cm forest signal at the Epoch of Reionization.

Education

sep 2016 - oct 2019 **PhD Thesis** Observatoire de Paris - Gepi
"3D distribution of star and dust in the Milky Way disk", supervised by Babusiaux, C. and Arenou, F. Defend the 17th septembre 2019
2014-2016 **Master's degree** Observatoire de Paris
"Astronomy and Astrophysics"

Communications

Publications

2020 **FEDReD II : 3D Extinction Map with 2MASS and Gaia DR2 data** Submit : A&A
Hottier *et.al.*
2020 **FEDReD I: 3D dust and stellar maps by Bayesian deconvolution** Submit : A&A
Babusiaux *et.al.*
2019 **Gaia-2MASS 3D maps of Galactic interstellar dust within 3 kpc** A&A
Lallement *et. al.*
2018 **Imprints of quasar duty cycle on the 21-cm signal from the Epoch of Reionization** MNRAS
Bolgar *et. al.*

Talk

Apr 2019 **Dust distribution in the Milky Way** 53rd ESLAB
Hottier *et. al.*
Jul 2018 **Dust and star distribution in the Milky Way disk** SF2A Proceeding
Hottier *et. al.*

Teaching

University

2016-2019 **Tutorials** Masters degree Obs. Paris
Quantum Mechanics - Programming
2016-2020 **Lectures** Masters degree Obs. Paris
Programming
2016-2020 **Observational project** Obs. Paris
At the Observatoire de Paris and at the Observatoire de Haute Provence

Scientific Mediation

2018 **Pint of Science Conference** Pint of science France
"The Gaia Mission"
2019 **Stars on stage** Obs. Paris
Express talk at Grand Rex movie theatre

Administrative Responsibility

2017-2019 Student representative at Executive Board, Teaching Board and Library Board of the Observatoire de Paris
2019 Steering group member of the new Observatoire Paris Master degree.