









# Clément Hottier






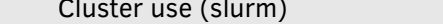
## Post Doc

 22 June 1992  
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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 1<sup>th</sup> 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 17<sup>th</sup> 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** Submitted : A&A  
Hottier *et.al.*  
2020 **FEDReD I: 3D dust and stellar maps by Bayesian deconvolution** Submitted : 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** 53<sup>rd</sup> 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.