

Clément Hottier

PhD 3rd years

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Formation

- 2016-2019 **PhD Thesis**, *Observatoire de Paris ED 127*, GEPI, Supervised by C. Babusiaux.
Study of the Milky Way structure with GAIA survey
- 2015-2016 **Master 2 Gravitational Systems Dynamic**, *Observatoire de Paris*, Paris.
Graduated with honors
- 2014-2015 **Master 1 Universe's Science and Space Technologies**, *Observatoire de Paris*, Paris.
Graduated with honors

Publications

- 02/2019 **Gaia-2MASS 3D maps of Galactic interstellar dust within 3 kpc**, *Lallement et. al.*,
Accepted A&A, 2019arXiv190204116L.
- 08/2018 **Imprints of quasar duty cycle on the 21-cm signal from the Epoch of Reionization**,
Bolgar et. al., MNRAS, 2018MNRAS.478.5564B.

Talks

- Avril 2019 **53rd ESLAB symposium: the Gaia Universe**, Noordwijk, Pays-Bas, Dust distribution
in the Milky Way.
- Juillet 2018 **Journée de la SF2A**, Bordeaux, France, Dust and star distribution in the Milky Way
disk.
2018sf2a.conf..345H

Internships

- March-July 2016 **IAP, Paris**, Directed By Gary Mamon.
Non spherical galaxy cluster modelisation :
Since observed position on the sky and line of sight velocity of tracers in the cluster, reconstruction of
mass profile and velocity anisotropy profile, using likelihood maximisation (MCMC algorithm)
- April-July 2015 **LERMA, Observatoire de Paris**, Directed by Benoit Semelin.
Study of radio loud quasar imprint on the intergalactic medium

Computer Tools

Languages	C	Fortran 90
	Python	Java
	Bash	LaTeX
Parallel Programming	OpenMP	MPI

Languages

- French Native speaking
- English European B2 level
- Spanish European A2 level

Miscellaneous

2007 **First aid's diploma.**

2011 **French driver's licence.**