Clément Hottier

PhD 1st 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 Gravitotionnals 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
2011-2014	**Fundamental Physic licence**, *Université Lille 1*, Lille. Graduated with honors
2010-2011	**PACES (Medicine school)**, *Université Lille 2*, Lille. Not received at contest, Cellular Biology and Histology validated
2010	**Scientist baccalaureat with honors**. Specialized in Physics and chemistry, Latin Option

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. Implementing and testing of wavelet analysis to analyse 21cm forest Processing quasi-analytically of intergalactic medium (Epoch of Reionization) spin's temperature considering the brightness of radio loud QASARs
May-June 2014	**IMCCE**, *Observatoire de Lille*, Directed by Stéfan Renner. Co-orbitals satellites simulations Writing in C a n co-orbitals satellites simulator Data processing and production of animation with GNUPLOT

Computer Tools

Languages	C		Fortran 90
	Python		Java
	Bash		LaTex
Parallele Programation	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**.