

Clément Hottier

Master Degree Gravitationnals Systems Dynamic

6 mail Atlantis
App 315
91300 Massy
☎ 06 60 35 56 85
✉ clement.hottier@obspm.fr

Formation

- 2015-2016 **Master 2 Gravitationnals Systems Dynamic**, *Observatoire de Paris*, Paris.
In progress
- 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	GNU PLOT
	Bash	LaTex
Parallele Pro-gramation	OpenMP	MPI
Operating Systems	Linux	MAC OS X

Languages

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

Miscellaneous

- 2007 **First aid's diploma**.
- 2011 **French driver's licence**.