

# Clément Hottier

Master Degree Gravitationnals Systems Dynamic

6 mail Atlantis

App 315

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## Formation

- 2015-2016 **Master 2 Gravitationnals 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 **IAP**, *Paris*, Directed By Gary Mamon.  
2016 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 **LERMA**, *Observatoire de Paris*, Directed by Benoit Semelin.  
2015 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 **IMCCE**, *Observatoire de Lille*, Directed by Stéfan Renner.  
2014 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**.