

ETE Rémi

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Curriculum Vitae

Actual situation :

PhD student at *Institut de Physique Nucleaire de Lyon* (IPNL) :

"New particle flow approach for jet energy resolution improvment in the ILD detector toward ILC experiment. Preliminary study of the $e^+e^- \rightarrow H Z$ channel"

Education :

- 2012-2013 M2 "Subatomic physics and Astrophysics" (PHYSFOND) at Claude Bernard University, Lyon (France)
- 2011-2012 M1 "General Physics" at Claude Bernard University, Lyon (France)
- 2010-2011 L3 "Physics" at Luminy Sciences Faculty, Marseille (France)
- 2009-2010 L2 "Physics" at Luminy Sciences Faculty, Marseille (France)
- 2008-2009 L1 "Physics" and Chemistry at Luminy Sciences Faculty, Marseille (France)
- 2007-2008 Terminal S option SVT at Jean Cocteau High School, Miramas (France)

Degrees :

- Master II of Fondamental Physics in June 2013 TB mention (16.44/20)
- Master I of Physics in June 2012 B mention (15,5/20)
- License of Physics in June 2011 B mention (14,5/20)
- Bac S, SVT specialty, AB mention in 2008

Work Experiences :

August 2011	Course at CERN (Genevia) : " Optimisation of the ILCDIRAC user's interface in LCD group in LHC "
June and July 2011	Course at CPPM (Marseille) : " Set of cut optimisation on B meson characteristic variables as part of the $B_s^d \rightarrow \mu^- \mu^+$ analysis in LHCb experiment in LHC "
January to May 2011	- Course at CPT (Marseille) : " Quantum states projection and Zeno effect "
January to May 2011	- Course in an infant school as part of the UEL " Scientific Diffusion " (Marseille)

June to September 2012	- Master I Internship and CERN Summer Student School (CERN) : "Geant4 software simulation for photon sensitivity of a Triple Gem detector for CMS upgrade at LHC in Geneva"
March to July 2012	- Master II Internship (Lyon) : "Close-by hadronic shower separation in the SDHCAL calorimeter detector as part of the ILC group in Lyon"
October 2013 (from 21 to 26)	- ESC13 school for "Architectures, tools and methodologies for developing efficient large scale scientific computing applications" , Bertinoro (Italy)
October - November 2013 (from 28 to 2)	- International school of subatomic physics , UCBL/IPNL (France)

Skills :

- Good skills in language computing : C/C++ (ROOT, Qt, Geant4, ILCSoft, parallel computing), Python, Java, Linux Shell (Bash), HTML, CSS
- General computing tools like UNIX Systems, Windows (Power Point, Word, Excel, Latex, Beamer...)
- Languages : French and English
- Has played guitar for ten years