ETE Rémi

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Car license B

Curriculum Vitae

<u>Current situation</u>:

PhD student at Institut de Physique Nucleaire de Lyon (IPNL) since 1st, October 2014: "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 $B_s^d \to \mu^- \mu^+$ analysis in LHCb
	experiment in LHC "
January to May 2011	- Course at CPT (Marseille): " Quantum states projection and
	Zeno effect "
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January to May 2011 - Course in an infant school as part of the UEL " Scientific Diffusion" (Marseille)

June September - Master I Internship and CERN Summer Student School (CERN): 2012 "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 - ESC13 school for "Architectures, tools and methodologies for developing efficient large scale scientific computing applications", to 26) Bertinoro (Italy) - International school of subatomic physics , UCBL/IPNL (France) October - November 2013 (from 28 to 2) May 2014 (from 26 to - IN2P3 School of statistics 2014, Autrans (FRANCE) 30)

Skills:

- Good skills in computing languages : C/C++ (ROOT, Qt, Geant4, ILCSOFT, OpenMP), Python, Linux Shell (Bash), XML, CMake
- General computing tools like UNIX Systems, Windows (Power Point, Word, Excel, Latex, Beamer...)
- Languages : French and English
- Has played guitar for eleven years