

Damien GIRARD

27 years old - French
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Physics doctor (PhD)
(*Subatomic physics and astroparticles*)
Alpine skiing instructor
Climbing and canyoning
instructor



PROFESSIONAL EXPERIENCES

- 2007 - 2010:** Attaché Temporaire d'Enseignement et de Recherche (ATER) in the Université de Savoie and at the Laboratoire Ancilevien de Physique des Particules (LAPP). Teaching physics and developing particle detectors.
- 2007 - 2010:** PhD thesis. *Observational cosmology with the Planck satellite: extraction of the astrophysical signal from raw data of the HFI instrument and study of the impact of cosmic rays*, in the Laboratoire de Physique Subatomique et de Cosmologie de Grenoble (LPSC).
- 2007 - now:** Teaching climbing, via-ferrata and canyoning.
- 2007:** Internship of Master 2 Physique pour l'instrumentation (PPI) in the Laboratoire de Spectrométrie Physique (LSP) de Grenoble. *Developing a new technology for medical imaging by reinjection of photons in a micro-laser* (4 month).
- 2006 – 2008:** Supporting high school student with scholar difficulties.
- 2006:** Internship of Master 2 Physique Subatomique et Astroparticules (PSA) in the LPSC. *Modelisation of the systematic effects caused by foregrounds contaminant on the polarization measurements of the Planck satellite* (4 month).
- 2005:** Internship of Master1 in the LPSC. *Preparation of the Planck-HFI data analysis and characterization of the effect of cosmic rays* (3 month).
- 2004:** Internship of Licence3 in the LPSC. *Participation to calibration measurements of the AMS experiment Cherenkov detector photomultipliers* (1 month).
- 2003:** Internship of DUT in the CEA. *Calibration of gas humidifiers* (2,5 month).
- 2001 - now:** Teaching alpine skiing, snowboarding and skitouring.

FORMATION AND COMPETENCES

- Physics PhD thesis in the Université de Grenoble, specialty subatomic physics and astroparticles (2010).
- Master 2 Université Joseph Fourier (UJF), Physique Pour l'Instrumentation (PPI) (2007).
- Master 2 UJF, Physique Subatomique et Astroparticules (PSA) (2006).
- Physics Maîtrise (Master1) UJF (2005).
- IUT Mesures Physiques UJF, diploma of DUT (2003).
- Brevet d'Etat d'Educateur Sportif 1^{er} degré option Alpine Skiing (national instructor) (2009).
- Brevet d'Etat d'Educateur Sportif 1^{er} degré option Climbing and Canyoning (national instructor) (2010).
- Brevet d'Aptitudes aux Fonctions d'Animateur (2001).
- Attestation de Formation aux Premiers Secours (2001).
- Driving license(2002).

Informatics

- Windows, Linux and Mackintosh.
- Programming languages C, C++, IDL, Python, ROOT.
- Basis in Lab-View.

Languages

- Current and scientific english: PhD thesis in an international environment.
- Good notions of Spanish.

HOBBIES AND PERSONNAL INTERESTS

- Skiing, Skitouring, Snowboarding, Climbing, Canyoning, Alpinism, Hiking, for 25 years; and regularly organizing alpinism expeditions on Big-Walls and at high altitude (Greenland in 2001, Ladack/Zanskar in 2005, Bolivia in 2007).
- Sailing; sub-marine diving; reading (science-fiction).