

Laurent DEROME

Personal Data

Born in Maubeuge, France, 24 November 1970

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Current situation

Associate professor at the University Joseph-Fourier Grenoble, France – LPSC Grenoble

Research activities

Gravitational waves detection (1996-1999).

Cosmic rays detection with the AMS detector.

Cosmic rays detection with the CREAM detector.

Phenomenology of the Cosmic Ray propagation in the Galaxy.

Cosmic ray propagation in the Earth Magnetosphere.

Teaching

Responsible for the “Magistère de Physique” at the University Joseph Fourier.

Responsible for the Platform for Nuclear Physics Practicals at the University Joseph Fourier.

Courses in Relativity, Nuclear Physics, Statistic and Data Analysis.

Distinction

Bronze Medal of the CNRS in 2005

Selection of five publications

Characterization study of silica aerogel for Cherenkov imaging Sallaz-Damaz Y., Derome L., Mangin-Brinet M., Loth M., Protasov K. et al NIM A 614 (2010)

In-beam aerogel light yield characterization for the AMS RICH detector Aguilar-Benitez M., Arruda L., Barao F., Barreira G., Barrau A. et al NIM A 614 (2010)

A Markov Chain Monte Carlo technique to sample transport and source parameters of Galactic cosmic rays - I. Method and results for the Leaky-Box model Putze A., Derome L., Maurin D., Perotto L., Taillet R. A&A 497 (2009)

CREAM: 70 days of flight from 2 launches in Antarctica Seo E.S., Ahn H.S., Allison P., Bagliesi M.G., Barbier L. et al Advances in Space Research 42 (2008)

Simulation of neutrino and charged particle production and propagation in the atmosphere Derome L. Physical Review D 74 (2006) 105002