



**PASCAL CHARDONNET**

*From France to Sweden*



Project: **The primordial stars**

Research topic: **Astrophysics**

Swedish Institution: **Stockholm University**

French Institution: **University Savoie Mont-Blanc**

Dates of mobility: **07/06/2016** to **08/06/2016**

Program: **SFVE-A (ex-TOR)**



## PRESENTATION

[Pascal Chardonnet](#) is a Professor and Senior Researcher in Astroparticles and Cosmology at the French National Centre for Scientific Research ([CNRS](#)) and [Laboratory Annecy-le-Vieux of Theoretical Physics](#) at the [University Savoie Mont-Blanc](#). He obtained his PhD in Science in 1992 and was habilitated (HDR) in 2002. His research topics span from gamma-ray bursts, pair instability supernovae explosion (PISNE), population III stars and asymmetric supernovae explosion to the development of 3D hydrodynamical code for SN explosion, the galactic center 511 keV annihilation line and dark matter, and pulsar masses.

## ACTIVITIES IN SWEDEN

Pascal Chardonnet travelled to the [Stockholm University](#), one of five founding universities of the International Relativistic Astrophysics Program ([IRAP](#)), an [Erasmus Mundus](#) Joint Doctorate Program of the European Education and Culture Executive Agency [EACEA](#). Chardonnet is coordinator of this program and visited [AlbaNova campus](#), where several students from France were welcomed. He met with [Per-Erik Tegnér](#) and [Kjell Rosquist](#) ([Department of Physics](#)), and [Felix Ryde](#) ([KTH](#) Royal Institute of Technology, [Particle and Astroparticle Physics Division](#)) to coordinate the program further, standardise doctoral thesis manuscripts and establish a common certificate for doctoral degrees across Europe, for instance by replacing the French RF-watermark with a European one to assure cross-border validity and recognition, or by creating a European scientific visa for three years entitled "Visa Marie Curie".