

Pascal Chardonnet

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Current position

Laboratoire d'Annecy-le-Vieux de Physique Théorique (LAPTh), France
Scientific researcher, professor
EACEA, Brussels
Senior Program Coordinator



Pascal Chardonnet coordinates the International Relativistic Astrophysics PhD Program, an Erasmus Mundus Joint Doctoral program from the European commission. In the same time he is professor in University of Savoie. And he has a lot of researches in astrophysics in following fields: explosions of very massive stars, pair instability supernovae explosions, gamma-ray bursts.

Recent publications

A.A. Baranov, P. Chardonnet, V.M. Chechetkin, A.A. Filina, M.V. Popov, Aspherical Nucleosynthesis in the He-layer of a Core-collapse Supernova Using the Tracer Particles Method, *The Astrophysical Journal*, 558, A10, 2013
M.V. Popov, A.A. Filina, A.A. Baranov, P. Chardonnet, V.M. Chechetkin, Multidimensional Simulations of Pair-Instability Supernovae, *Astronomy & Astrophysics*, 783, p.43, 2014
Chardonnet, Pascal; Chechetkin, Valery; Titarchuk, On the pair-instability supernovae and gamma-ray burst phenomenon, *2010Ap&SS.325*, p153
Zhang, C. M.; Wang, J.; Zhao, Y. H.; Yin, H. X.; Song, L. M.; Menezes, D. P.; Wickramasinghe, D. T.; Ferrario, L.; Chardonnet, P.; Study of measured pulsar masses and their possible conclusions; *Astronomy & Astrophysics*, Volume 527, id.A83, 8 pp, 2011