Curriculum Vitae

Caterina Riconda

Date and place of birth : 8 juillet 1967, Turin (Italie)
Citizenship: Italian
Currently : Professor
Laboratoire pour l'Utilisation des Lasers Intenses
LULI, UMR 7605
Université Pierre et Marie Curie (UPMC)
Section CNU 30
E-mail /Tel. : caterina.riconda@upmc.fr / +33(1)44279666
Languages : French, English, Italian (mother tongue)

Education : June 2008 « Habilitation à Diriger des Recherches », U. Pierre et Marie Curie.
September 1992-January 1997 : Ph.D. at the Massachusetts Institute of Technology, Cambridge, MA, USA. Title: « Contained Modes in Inhomogeneous Plasmas and Their Interaction with High Energy Prticles ». Advisor : Prof. Bruno Coppi.
1986-91 « Laurea in Fisica » (110/110 with honors), University of Torino, Italy.
1986 « Maturità Classica » (60/60), Torino, Italy.

Main activities and responsabilities

Group Leader : « Théorie et Interprétation, Plasmas et Simulations » (TIPS).
Project manager/partner of French and international grants (ANR, MoU ELI Beamlines, Prague).
Leader of the « Plasma theory » workpackage and member of the steering committee of french governement grant Plas@Par.
Scientific expert for NSF, DOE (USA), NSERC (Canada) and ANR, ERC (Europe) grants.
Reviewer for Physical Review Letters, Phys. of Plasmas, Europhys. Letters, Nature Physics.
Chair 2017 of the Laser and Beam Session of the « European Physical Society - Plasma Division».

Recent publications

1. A. Grassi, …, C. Riconda "Radiation-pressure-driven ion Weibel instability and collisionless shocks » Phys. Rev. E **96**, 033204 (2017)
2. L. Lancia,…, C. Riconda, et al. «Signatures of the self similar regime of strongly-coupled Stimulated Brillouin Scattering for efficient short laser pulse amplification» Phys. Rev. Lett. **116**, 075001 (2016)
3. C. Riconda et al. « Simple scalings for various regimes of electron acceleration in surface plasma waves » Phys. Plasmas, **22**, 073103 (2015)
4. B. Albertazzi, …, C. Riconda, et al. « Laboratory formation of a scaled protostellar jet by coaligned poloidal magnetic field » Science **346,** 325 (2014)
5. T. Ceccotti, …, C. Riconda et al. « Evidence of Surface Wave Excitation in the Relativistic Regime trough Measurements of Proton Acceleration from Grating Targets » Phys. Rev. Lett. **111**, 185001 (2013)