

Responsabile scientifico italiano

Titolo **Dr.**

Cognome **FALESSI**

Nome **MATTEO VALERIO**

Qualifica **Ricercatore**

C.V.

Present Position• Dr. Matteo Valerio Falessi is working since 2017 as a Researcher at ENEA, C.R. Frascati, FSN-FUSPHY-TSM where he studies Energetic Particle dynamics and transport processes in burning plasmas. He is currently (co-) Principal Investigator in the ENR Project “Advanced Energetic particle transport models”. His main fields of research are: theory of turbulent transport in magnetized plasmas, Kinetic theory of plasmas, Magnetohydrodynamics;Education• Ph.D. in Physics, 06/02/2017, Physics Department – Roma Tre University, Rome, Italy (Funding: EUROfusion PhD programme);• Master’s degree in physics (cum laude), 31/10/2013, Physics Department - “Sapienza” University of Rome, Rome, Italy;Achievements• have been awarded the 2018 EPS Physics division award for his thesis on “Gyrokinetic theory for particle transport in fusion plasmas”;• the article “Transport theory of phase space zonal structures” has been selected by the editorial board of Physics of Plasmas for a topical section focused on results that advance our understanding of nonlinear processes and phenomena in laboratory and space plasmas;Professional Expertise• He has been involved in 5 ENR Projects by EUROfusion. In particular:- ENR “Advanced Energetic particle transport models” AWP21-ENR-03, PI: Dr. P. Lauber, 2021-now with the role of Co-Principal Investigator • he is Project Leader of the group “Zonal cross-scale coupling between Energetic Particles and turbulence” in the framework of the ENEA-IFTS-NFRI trilateral collaboration (Italy-China-Korea);• he is member of the group “Transport and integrated physics” of the project “DTT Divertor Tokamak Test Facility”;Publication Summary• Articles on international journals: 29;• h-index (Scholar): 10;• He is author or co-author of more than 30 Oral Contribution;