

MS19: Nonlinear PDEs in Quantum Mechanics and Applications Organizers: Simone Dovetta and Filippo Boni***Tuesday, August 29th***

Time	Speaker	Name of the talk
10:45-11:10	Riccardo Adami	Mathematics for Atomtronic: nonlinear hybrid systems
11:10-11:35		
11:35-12:00	Lorenzo Tentarelli	Complete ionization for a two-dimensional non-autonomous point interaction model
12:00-12:25	Giulia Basti	Regularized zero-range Hamiltonian for 3 bosons in 3d: construction and approximation
12:25-12:50	Raffaele Carlone	The Dirac equation with concentrated nonlinearity: Spectral stability and instability of solitary waves
12:50-13:15	Raffaele Scandone	On the well-posedness for NLS with a point interaction