



PhD Physics – 35th Cycle

Name and Surname	Title of the Thesis	Tutor	Graduation year
Pietro Battocchio	Laser Ablation Propulsion: Synthesis and Analysis of Materials and Impulse Measurements	A. Miotello	2023
Ashish Bisht	Development of Low Gain Avalanche Detectors for Astroparticle Physics Experiments in Space Contacts	P. Zuccon	2023
Simon Boudet	Theoretical and Phenomenological Aspects of Projective-Invariant Metric-Affine Theories of Gravity	M. Rinaldi	2023
Giorgio Cartechini	A new prompt gamma spectroscopy-based approach for range verification in proton therapy	C. La Tessa	2023
Michele Castelluzzo	Addressing nonlinear systems with information-theoretical techniques	L. Ricci	2023
Daniele Contessi	Data driven approach to detection of quantum phase transitions	A. Recati	2023
Riccardo Franchi	The taiji and infinity-loop microresonators: examples of non-hermitian photonic systems	L. Pavesi	2023
Piero Luchi	Machine-Aware Enhancing of Quantum Computers	F. Pederiva	2023
Julius Mildemberger		P. Hauke	
Cesare Montesano	Experimental investigation of nanosecond pulsed discharges for CO ₂ recycling	P. Tosi	2023
Alberto Nardin	Linear and nonlinear edge dynamics and quasiparticle excitations in fractional quantum Hall systems	I. Carusotto	2023
Marica Perini	In viaggio attraverso la Fisica - Proposta di un curriculum di fisica per aree tematiche	S. Oss	2023
Francesco Piccioli		I. Carusotto	
Luca Povolo		R.S. Brusa	



Lorenzo Sala	Residual test mass acceleration in LISA Pathfinder: in-depth statistical analysis and physical sources	S. Vitale	2023
Marco Samuele Silveravalle	Isolated objects in quadratic gravity	M. Rinaldi	2023
Philipp J. Urich	Towards Quantum Simulation of the Sachdev–Ye–Kitaev Model	P. Hauke	2023