

**DOCTORAL PROGRAMME IN
PHYSICS AND ASTRONOMY
NEXTGENERATIONEU - PNRR 2022
CYCLE XXXVIII
Academic year 2022/2023**

FINAL RANKINGS

In accordance with the D.R. n. 1550 (prot. n.291874) signed on 16th December 2022 by the Rector of the University of Florence:

“Numerical methods in high energy theoretical physics and astrophysics”

Centri Nazionali – CN_1 - CUP: B83C22002830001

	SURNAME	NAME	FINAL SCORE	RESULT
1.	GILIBERTI	MAURO	82,25/100	Position with Scholarship

“Development and application of computational methods for studying the interaction of coronal mass ejections with the solar wind and Earth magnetosphere.”

Centri Nazionali – CN_1 - CUP: B83C22002830001

	SURNAME	NAME	FINAL SCORE	RESULT
1.	SANGALLI	MATTIA	87/100	Position with Scholarship

“Research and development of innovative materials through the use of the Electron Paramagnetic Resonance (EPR) and Mössbauer spectroscopies for their characterization”

Centri Nazionali – CN_4 - CUP: B13C22001000001

	SURNAME	NAME	FINAL SCORE	RESULT
1.	FANCIULLINI	LUCA	79/100	Position with Scholarship

“Neuro-aesthetic cognitive models and connection with wearable biometric sensors”

Ecosistemi dell’Innovazione – THE Tuscany Healthcare Ecosystem - CUP: B83C22003920001

	SURNAME	NAME	FINAL SCORE	RESULT
1.	DE BONFIOLI CAVALCABÒ	GUIDO	88,5/100	Position with Scholarship

“Galactic Cosmic Ray acceleration and propagation in the CTA era.”

Istituto Nazionale di Astrofisica – Osservatorio Astrofisico di Arcetri (INAF)

Infrastrutture di Ricerca – CTA+ - CUP: C53C22000430006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	ARMADORI	ANGELICA	76/100	Position with Scholarship

“Near real time elemental characterization of natural and anthropic aerosols by high time resolution sampling and in situ XRF analysis”

Istituto Nazionale di Fisica Nucleare (INFN)

Infrastrutture di Ricerca – ITINERIS - CUP: B53C22002150006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	FRATTICOLI	COSIMO	82,75/100	Position with Scholarship

“Quantum Machine Learning and optimization problems”

Partenariati Estesi – PE_4 - CUP: B83C22004940006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	PARIGI	MARCO	83,25/100	Position with Scholarship
2.	DALLA	FILIPPO	78/100	Eligible
3.	FANTINI	ANDREA	72/100	Eligible

“Simulation, benchmarking and control of quantum many-qubit systems”

Partenariati Estesi – PE_4 - CUP: B83C22004940006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	KHOSROJERDI	MEHRAN	76,25/100	Position with Scholarship

“Atomic sensors with entangled quantum states”

Partenariati Estesi – PE_4 - CUP: B83C22004940006

Not assigned

“New quantum simulators with ultracold atoms”

Partenariati Estesi – PE_4 - CUP: B83C22004940006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	TIENGO	SARA	84/100	Position with Scholarship
2.	GATTA	GABRIELE	75/100	Eligible
3.	FANTINI	ANDREA	74/100	Eligible

“Quantum simulation of novel states of matter”

Partenariati Estesi – PE_4 - CUP: B83C22004940006

	SURNAME	NAME	FINAL SCORE	RESULT
1.	GATTA	GABRIELE	77/100	Position with Scholarship

“AI-enhanced future communications networks”

Partenariati Estesi – PE_14 - CUP: B83C22004870007

	SURNAME	NAME	FINAL SCORE	RESULT
1.	COCCHI	SEBASTIANO	73,25/100	Position with Scholarship
2.	FANTINI	ANDREA	71/100	Eligible

Florence, 16th December 2022