

DOCTORAL PROGRAMME IN PHYSICS AND ASTRONOMY

CYCLE XXXIX

Academic year 2023/2024

FINAL RANKINGS

In accordance with the Decree signed by the Rector of the University of Florence

POSITIONS AVAILABLE: 21

Positions with scholarship: **19**

Positions without scholarship: **2** (*standard ranking*)

RANKING– STANDARD POSITIONS

5 - University of Florence

3 - Istituto di Fisica Nucleare (INFN)

RANKING – SPECIFIC RESEARCH TOPICS POSITION:

3 – Istituto Nazionale di Astrofisica

1 – Azienda Ospedaliera Universitaria Meyer IRCCS

2 - Department of Physics and Astronomy

2 - **NRRP** - European Union – NextGenerationEU

2 - **NRRP** - European Union – NextGenerationEU - Co-funded by Department of Physics and Astronomy

1 - Istituto Nazionale di Astrofisica - Osservatorio Astrofisico di Arcetri (INAF)

NRRP - European Union – NextGenerationEU

RANKING– STANDARD POSITIONS

	SURNAME	NAME	FINAL SCORE
1.	RUSSO	Lorenzo	110,8/120
2.	PRETI	Niccolò	110,7/120
3.	TORRES SAAVEDRA	Rodrigo Alberto	110,6/120
4.	DAMENTI	Lorenzo	108,6/120
5.	BOCCHI	Dario	107,7/120
6.	QUERCI	Lapo	107,6/120
7.	GIUSFREDI	Michele	106,8/120
8.	HAUBNER	Konstantin	106,1/120

9.	BELLER	Thomas	105,3/120
10.	BRAZZINI	Matilde	104,1/120
11.	RUSTA	Elka	104/120
12.	SCIALPI	Martina	103,9/120
13.	CATALDI	Elisa	103,8/120
14.	CASTAGNA	Francesco	103,5/120
15.	BIANCHI	Luca	103,3/120
16.	DI STEFANO	Simona	103,1/120
17.	FOCARDI	Niccolò	102,7/120
18.	CRESCIMBENI	Francesco	102,5/120
19.	MASINI	Gianmarco	102,1/120
20.	MANNATZU	Michelangelo	101,9/120
21.	DEMASI	Gabriele	101,8/120
22.	DAVOLIO	Fabio	101,5/120
23.	IAMPIERI	Leonardo	101,3/120
24.	COCCO	Marta	101,1/120
25.	MICELI	Adriano	101/120
26.	SASSI	Tommaso	100,8/120
27.	MANTEGAZZA	Fabio	100,6/120
28.	BIANCALANI	Sole	100,5/120
29.	SINA	Denis	100,4/120
30.	ALBANESI	Marta	100/120
31.	SALLUCE	Domenico Giuseppe	99,8/120
32.	RESTIVO	Beatrice	99,6/120
33.	ALTORK	Jawaher	99/120
34.	KOLLER	Maria	98,5/120
35.	GRILLI	Elisa	98,4/120
36.	NUNNARI	Antonino	98/120
37.	MANCINI	Christian	97,8/120
38.	MATTOLINI	Daniele	97,6/120
39.	BURENEV	Ivan	97,4/120
40.	VANNINI	Emma	97,3/120
41.	FEBBE	Diego	97,2/120
42.	CIABATTINI	Stefano	96,4/120
43.	LUNGHU	Irene	95,8/120
44.	BILLIATO	Fabio	95,5/120
45.	FORTI	Ruben	95,4/120
46.	PETRINI	Rosa	95,3/120
47.	PAPACE	Mario	95,2/120
48.	CABRAS	Chiara	95,1/120
49.	SCIALPI	Matteo	94,9/120
50.	DREVON	Charles	94,4/120
51.	SRIKANTH	Koushika Sri Lakshmi	94,3/120
52.	GIAPPICHINI	Sofia	93,7/120
53.	COPPOLA	Alessio	93,5/120*
53.	PIROVANO	Luca Matteo	93,5/120
55.	PAPINI	Giulia	93,4/120*
55.	POZZI	Riccardo Giordana	93,4/120
57.	JOSHI	Krishan	93,3/120

58.	TRAPELLA	Mattia	93,1/120
59.	DI EUGENIO	Niccolò	92,9/120
60.	DELLI GATTI	Raffaele	92,7/120
61.	FANELLA	Elena	92,5/120
62.	MACEDONIO	Silvia	92/120
63.	COZZOLONGO	Giovanni	91,9/120
64.	LESO	Daniele	90,8/120
65.	CANDINI	Simone	90,3/120
66.	CHIARINI	Annamaria	90,1/120
67.	CEPPI	Daniele	90/120
68.	BARBAGALLO	Gabriele	89,8/120
69.	ANDREONI	Diego	89/120
70.	BHARDWAJ	Deepak	88,7/120
71.	FALSETTI	Marco	86,9/120
72.	COPPINI	Vittorio	86,7/120
73.	FERRETTA	Riccardo	85,6/120

**Precedes due to younger age*

The following candidates are declared as winners:

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|--------------------|-----------------|
| 1. RUSSO | Lorenzo |
| 2. PRETI | Niccolò |
| 3. TORRES SAAVEDRA | Rodrigo Alberto |
| 4. DAMENTI | Lorenzo |
| 5. BOCCHI | Dario |
| 6. QUERCI | Lapo |
| 7. GIUSFREDI | Michele |
| 8. HAUBNER | Konstantin |
| 9. BELLER | Thomas |
| 10. BRAZZINI | Matilde |

According to the order of the ranking list, positions without scholarship will be allocated only upon the acceptance of the scholarship by candidates from 1 up to 8 and unless they renounce the scholarship itself.

RANKING - SPECIFIC RESEARCH TOPICS POSITION

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

Thematic: "Observational and theoretical studies of: dynamics of galaxies; stellar populations; interstellar medium and star formation in the Galaxy and in the local Universe; advanced technologies for astronomy"

	SURNAME	NAME	FINAL SCORE
1.	HAUBNER	Konstantin	108,1/120
2.	DI STEFANO	Simona	107,9/120
3.	BRAZZINI	Matilde	106,1/120

4.	CATALDI	Elisa	105,8/120
5.	DI BALDASSARRE	Ludovica	104,3/120
6.	MATTOLINI	Daniele	101,1/120
7.	NUNNARI	Antonino	100,8/120
8.	SCIALPI	Martina	100,7/120
9.	RUSTA	Elka	100,6/120
10.	KOLLER	Maria	100,5/120
11.	DAS	Barnali	99,1/120
12.	PAPINI	Giulia	95,4/120

The candidate HAUBNER Konstantin is declared as winner

RANKING - SPECIFIC RESEARCH TOPICS POSITION

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

Thematic: "Development of instrumentation and methods of scientific analysis for the study of the atmospheres of extrasolar planets with the ANDES-ELT spectrometer".

	SURNAME	NAME	FINAL SCORE
1.	SAVIO	Davide	103,7/120
2.	LOMBARDI	Simone	102,1/120
3.	PENG	Jiacheng	99/120

The candidate SAVIO Davide is declared as winner

RANKING - SPECIFIC RESEARCH TOPICS POSITION

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

Thematic: "Astrochemistry of pre-biotic molecules in high-mass star forming regions in preparation of the SKA observations"

	SURNAME	NAME	FINAL SCORE
1.	PIROVANO	Luca Matteo	89,5/120
2.	ALLANDE GONZÁLEZ	Jofre	83,1/120
3.	BIANCALANI	Sole	82,8/120

The candidate PIROVANO Luca Matteo is declared as winner

RANKING - SPECIFIC RESEARCH TOPICS POSITION

Azienda Ospedaliera Universitaria Meyer IRCCS

Thematic: "Deep learning-based advanced magnetic resonance imaging analysis and their application in the diagnosis of cognitive impairment"

	SURNAME	NAME	FINAL SCORE
1.	LASAGNI	Lorenzo	100,4/120

The candidate LASAGNI Lorenzo is declared as winner

RANKING - SPECIFIC RESEARCH TOPICS POSITION

Department of Physics and Astronomy

Thematic: "Multidimensional quantum networks"

	SURNAME	NAME	FINAL SCORE
1.	BIANCHI	Luca	106,4/120
2.	MACEDONIO	Silvia	95,2/120
3.	FANELLA	Elena	94,8/120

The candidate BIANCHI Luca is declared as winner

RANKING - SPECIFIC RESEARCH TOPICS POSITION

Department of Physics and Astronomy

Thematic: "Artificial intelligence and physical sciences for elaborating radiological images from dual energy computed tomography"

	SURNAME	NAME	FINAL SCORE
1.	ROSSETTI	Marco	94,7/120

The candidate ROSSETTI Marco is declared as winner

RANKING – SPECIFIC RESEARCH TOPICS POSITION

NRRP – European Union – NextGenerationEU

Thematic: "Numerical simulations of many-body systems and magnetic molecules"

	SURNAME	NAME	FINAL SCORE
1.	BOCCHI	Dario	99,9/120

2.	ANDREONI	Diego	94,5/120
3.	COPPINI	Vittorio	94,4/120
4.	P SEKHAR	Parvathy	93,9/120

The candidate BOCCHI Dario is declared as winner

RANKING – SPECIFIC RESEARCH TOPICS POSITION

NRRP – European Union – NextGenerationEU

Thematic: “Development of high-performance computing codes for the simulation and analysis of data from gravitational wave interferometers”

	SURNAME	NAME	FINAL SCORE
1.	DEMASI	Gabriele	105,2/120
2.	CRESCIMBENI	Francesco	104,5/120
3.	IAMPIERI	Leonardo	102,8/120
4.	SCIALPI	Matteo	98,8/120
5.	GRILLO	Marco	90,1/120

The candidate DEMASI Gabriele is declared as winner

RANKING – SPECIFIC RESEARCH TOPICS POSITION

NRRP – European Union – NextGenerationEU

Thematic: “Light sheet fluorescence microscopy for the investigation of interacting quantum spin systems and energy transport processes”

	SURNAME	NAME	FINAL SCORE
1.	STORM	Shawn	104,7/120
2.	JOSHI	Krishan	95,3/120

The candidate STORM Sharm is declared as winner

RANKING – SPECIFIC RESEARCH TOPICS POSITION

NRRP – European Union – NextGenerationEU

Thematic: “Atomic sensors with entangled quantum states”

	SURNAME	NAME	FINAL SCORE
1.	MANCINI	Christian	99,8/120
2.	ANDREONI	Diego	84,7/120

The candidate MANCINI Christian is declared as winner

RANKING – SPECIFIC RESEARCH TOPICS POSITION
NRRP – European Union – NextGenerationEU
Istituto Nazionale di Astrofisica - Osservatorio Astrofisico di Arcetri (INAF)

Thematic: “PNRR-STILES: science with ELT, SKA and their pathfinders: 1. Searching for forming planets in protoplanetary disks; 2. Atmospheres of gas giant exoplanets”

	SURNAME	NAME	FINAL SCORE
1.	MICELI	Adriano	106,4/120
2.	SAVIO	Davide	104,7/120
3.	PENG	Jiacheng	99/120

The candidate MICELI Adriano is declared as winner

Florence, 3rd August 2023