

**DOCTORAL PROGRAMME IN
PHYSICS AND ASTRONOMY
CYCLE XLII
Academic year 2026/2027**

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

Art. 1 - Final rankings

The admission procedure for the PhD program in Physics and Astronomy - Cycle XLII - is approved with the following rankings:

POSITIONS AVAILABLE: 24

Positions with scholarship: **22**

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

RANKING - STANDARD POSITIONS:

5 - University of Florence

3 - Istituto Nazionale di Fisica Nucleare (INFN)

RANKINGS - SPECIFIC RESEARCH TOPIC POSITIONS:

1 - Istituto Nazionale di Fisica Nucleare (INFN)

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

2 - Department of Chemistry "Ugo Schiff"

4 - Department of Physics and Astronomy

2 - Agenzia Spaziale Italiana - ASI*

1 - Agenzia per la Cybersicurezza Nazionale - ACN

**the remaining ASI specific research topic scholarships have not been funded.*

RANKING - STANDARD POSITIONS

	SURNAME	NAME	FINAL SCORE
1.	BURATO	Marco	114/120
2.	SANI	Leonardo	113,60/120
3.	BATINI	Yuri	112,31/120
4.	EREDI	Elia	112,15/120
5.	KUTUFÀ	Andrea	112,10/120
6.	TRABOCCHI	Tommaso	111,88/120
7.	BARTOLOMEI	Stefano	110,70/120
8.	NICOLUCCI	Daniele	110,20/120
9.	PINZAUTI	Matteo	108,02/120
10.	MOSCADELLI	Francesco	107,70/120
11.	100163978		107,50/120

12.	100162999	107,40/120
13.	100163534	107,18/120
14.	100162992	106,20/120
15.	100164099	106,11/120
16.	100164898	105,83/120
17.	100163385	105,59/120
18.	100164551	104,99/120
19.	100164804	104,48/120
20.	100165376	104,43/120
21.	100165059	104,34/120
22.	100164935	104,20/120
23.	100164109	103,99/120
24.	100163381	103,80/120*
24.	100165155	103,80/120
26.	100165015	103,61/120
27.	100163371	103,21/120
28.	100163307	103,05/120
29.	100165046	103,04/120
30.	100163718	102,50/120
31.	100165139	102,42/120
32.	100165561	102,15/120
33.	100165021	102,11/120
34.	100163799	102,07/120
35.	100163847	101,86/120
36.	100163699	101,75/120
37.	100164176	101,32/120
38.	100164642	101,31/120
39.	100165108	101,22/120
40.	100163732	101,20/120
41.	100165542	101,01/120
42.	100165007	100,67/120
43.	100163450	100,58/120
44.	100165047	100,51/120
45.	100164213	100,41/120
46.	100165025	100,03/120
47.	100164836	99,87/120
48.	100164083	99,50/120
49.	100163940	99,29/120
50.	100165111	98,90/120
51.	100165178	98,52/120
52.	100165556	98,35/120
53.	100165643	98,07/120
54.	100165090	97,96/120
55.	100164104	97,60/120
56.	100163912	97,48/120
57.	100164568	97,35/120
58.	100165024	97,19/120
59.	100164892	97,05/120

60.	100164233	96,90/120
61.	100164287	96,72/120
62.	100163259	96,46/120
63.	100165156	96,29/120
64.	100163175	96,26/120
65.	100163377	96,18/120
66.	100164302	96,13/120
67.	100164005	95,97/120
68.	100164681	95,47/120
69.	100163662	95,15/120
70.	100163915	94,61/120
71.	100164582	94,38/120
72.	100164185	94,20/120
73.	100164831	93,98/120
74.	100163974	92,83/120
75.	100165135	92,59/120
76.	100163795	92,47/120
77.	100164379	92,15/120
78.	100165543	92,03/120
79.	100165335	91,41/120
80.	100162876	90,90/120
81.	100165357	90,15/120
82.	100163390	89,52/120
83.	100165417	89,46/120
84.	100165252	88,25/120
85.	100163510	87,00/120
86.	100164338	86,89/120
87.	100163120	85,40/120
88.	100165453	84,50/120
89.	100163834	81,23/120

** Precedes due to younger age*

Art. 2 - Successful candidates

The following candidates are declared winners:

- | | |
|----------------|-----------|
| 1. BURATO | Marco |
| 2. SANI | Leonardo |
| 3. BATINI | Yuri |
| 4. EREDI | Elia |
| 5. KUTUFÀ | Andrea |
| 6. TRABOCCHI | Tommaso |
| 7. BARTOLOMEI | Stefano |
| 8. NICOLUCCI | Daniele |
| 9. PINZAUTI | Matteo |
| 10. MOSCADELLI | Francesco |

RANKING
SPECIFIC RESEARCH TOPIC POSITION
Istituto Nazionale di Fisica Nucleare (INFN)

Thematic: “Integrating high-resolution online data and low-resolution offline data for improved aerosol source apportionment studies”

	SURNAME	NAME	FINAL SCORE
1.	LUCHERINI	Filippo	105,75/120

The candidate LUCHERINI Filippo is declared as winner.

RANKINGS
SPECIFIC RESEARCH TOPIC POSITIONS

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

Thematic 1: “Understanding the formation mechanism of lithium rich stars using spectroscopy and photometry”

	SURNAME	NAME	FINAL SCORE
1.	FERRUZZI	Fosca	102,67/120
2.	100165556		102,15/120
3.	100163475		94,74/120
4.	100164681		93,47/120
5.	100163485		86,43/120

The candidate FERRUZZI Fosca is declared as winner.

Thematic 2: “Discovery of exotic stellar populations and interacting binaries with large astronomical surveys and databases”

	SURNAME	NAME	FINAL SCORE
1.	UDDIN	S M Masruk	106,35/120
2.	100163475		95,74/120
3.	100165357		92,35/120
4.	100163485		85,03/120
5.	100165401		82,98/120

The candidate UDDIN S M Masruk is declared as winner.

Thematic 3: “Scientific and Technical Preparation for ANDES at the ELT. Spectroscopy of Galaxies and the IGM or Adaptive Optics Optimization”

	SURNAME	NAME	FINAL SCORE
1.	COZZI	Alessandra	104,69/120
2.	100162999		101,60/120
3.	100165643		100,47/120
4.	100164185		93,80/120
5.	100164302		90,83/120
6.	100163259		88,76/120

The candidate COZZI Alessandra is declared as winner.

Thematic 4: “Theoretical, Observational Astrophysics and related Instrumentation and Technology”

	SURNAME	NAME	FINAL SCORE
1.	SANI	Leonardo	113,40/120
2.	100162584		111,71/120
3.	100164551		106,99/120
4.	100164898		105,83/120
5.	100162999		103,40/120
6.	100165108		101,62/120
7.	100164176		100,92/120
8.	100163450		100,78/120
9.	100165122		99,72/120
10.	100163940		99,29/120
11.	100165178		99,12/120
12.	100165556		98,75/120
13.	100165643		98,27/120
14.	100163912		97,48/120
15.	100163175		97,06/120
16.	100163259		96,46/120
17.	100164302		96,13/120
18.	100164005		95,97/120
19.	100163781		95,56/120
20.	100164681		95,47/120
21.	100164185		94,40/120
22.	100162876		92,10/120
23.	100163390		88,72/120
24.	100165335		83,91/120

The candidate SANI Leonardo is declared as winner.

RANKINGS

SPECIFIC RESEARCH TOPIC POSITIONS

Department of Chemistry “Ugo Schiff”

Funded by the FIS3_2024_BOGANI project

Thematic 1: “Topological states in carbon nanostructures”

	SURNAME	NAME	FINAL SCORE
1.	MAZZONI	Alessandro	96,40/120

The candidate MAZZONI Alessandro is declared as winner.

Thematic 2 “Quantum coherence and optical and magnetic states in carbon nanostructures”

	SURNAME	NAME	FINAL SCORE
1.	MAZZONI	Alessandro	96,40/120

The candidate MAZZONI Alessandro is declared as winner.

RANKING
SPECIFIC RESEARCH TOPIC POSITION
Department of Physics and Astronomy

Thematic: “Production of YbCr molecules from ultracold atomic mixtures for research into new physics”
Funded by the ERC-2025-STG project “An ultracold Molecule Platform for fundamental Asymmetry Searches” (COMPASS) – Grant Agreement No. 101220504

	SURNAME	NAME	FINAL SCORE
1.	MARROCCELLA	Federica	92,22/120
2.	CHANDRAMOULI	Poorvisha	86,78/120

The candidates MARROCCELLA Federica and CHANDRAMOULI Poorvisha are declared as winners.

RANKING
SPECIFIC RESEARCH TOPIC POSITION
Department of Physics and Astronomy

Thematic: “Theoretical and observational study of solar wind transient structures in support of interplanetary missions”
Funded by the ESA project “HEliospheric pioNeer for sOLar and interplanetary threats defeNce” (HENON)

	SURNAME	NAME	FINAL SCORE
1.	SCALINI	Guido	106,39/120
2.	100163026		102,21/120

The candidate SCALINI Guido is declared as winner.

RANKING
SPECIFIC RESEARCH TOPIC POSITION
Department of Physics and Astronomy

Thematic: “MHD simulations of cosmic ray propagation and feedback in the interstellar medium”
Funded by the FIS3_2024_ARMILLOTTA project

	SURNAME	NAME	FINAL SCORE
1.	JOHN	Arpan Aryam	107,57/120
2.	100162584		106,91/120
3.	100164005		103,37/120
4.	100163450		102,48/120
5.	100163912		97,68/120
6.	100164185		97,40/120

The candidate JOHN Arpan Aryam is declared as winner.

RANKING
POSITION WITH SPECIFIC RESEARCH TOPIC
Agenzia Spaziale Italiana – ASI

Thematic: “From atmospheric-entry plasma to geochemical reactors: experimental simulation and statistical-physics modeling of exogenous organic matter in Mars-relevant environments”

	SURNAME	NAME	FINAL SCORE
1.	DEL PANTA	Cosimo	99,85/120

The candidate DEL PANTA Cosimo is declared as winner.

Thematic: “Bio-hybrid Space Photonics: Quantum modeling of photosynthetic antenna complexes for the lunar Habitat”

Not eligible candidate

RANKING

POSITION WITH SPECIFIC RESEARCH TOPIC

Agenzia per la Cybersicurezza Nazionale – ACN

Thematic: “Development and implementation of an Eavesdropper for security assessment in quantum key distribution protocols”

	SURNAME	NAME	FINAL SCORE
1.	LACHI	Giacomo	107,94/120
2.	100163732		99,30/120
3.	100163834		82,63/120

The candidate LACHI Giacomo is declared as winner.

Art. 3 - Enrollment deadlines and ranking re-allocation procedure

Successful candidates declared winners must complete their enrollment, under penalty of exclusion, within the strict deadlines indicated below, in accordance with Art. 12 of the Call for Applications:

Procedure	Opening Date	Deadline for Enrolment
Enrolment (successful candidates)	ranking’s publication date	by 11.59 pm (CEST) on August 25 th 2026*
1st round (eligible candidates)	from 31 st August 2026	by 11.59 pm (CEST) on September 7 th 2026
2nd round (eligible candidates)	from 10 th September 2026	by 11.59 pm (CEST) on September 17 th 2026

** Please note that the University will be closed from August 8th to August 23rd, 2026.*

Reassignments of any residual positions after the first two rounds will be activated on every Tuesday until October 27th, 2026 with a mandatory enrolment deadline set for the following Friday (11:59 PM CEST).

It is the sole responsibility of the candidates to monitor their personal applicant portal. No personal communications will be sent to candidates.

Technical instructions for the enrolment procedure are available on the [Cycle 42 - Call for Applications](#) page under the “**General Call**” section.

Art. 4 - Positions without scholarships

Positions without a scholarship will be assigned according to the ranking order. Successful candidates are required to enrol in compliance with the deadlines set out in the article 3.

Art. 5 - Publication

The Italian Decree is published on the “Albo ufficiale di Ateneo” and on the website of the University and it serves as legal information obligations and as official notification for all legal purposes.