

NEUTRINO 2024

XXXI International Conference on Neutrino Physics and Astrophysics
University of Milano – Bicocca, Edificio U6-Agorà, Piazza dell'Ateneo Nuovo 1
Milano (Italy) - June 16-22, 2024

Neutrino oscillations
Neutrino mass
Neutrinoless Double Beta
Decay
Neutrino interactions
Accelerator neutrinos
Reactor neutrinos
Atmospheric neutrinos
Solar neutrinos

Supernova neutrinos

Astrophysical neutrinos

Geoneutrinos

Neutrino role in cosmology

Sterile neutrinos

Theory of neutrino masses and mixing, Leptogenesis

Beyond Standard Model searches in the neutrino sector

> New technologies for neutrino physics





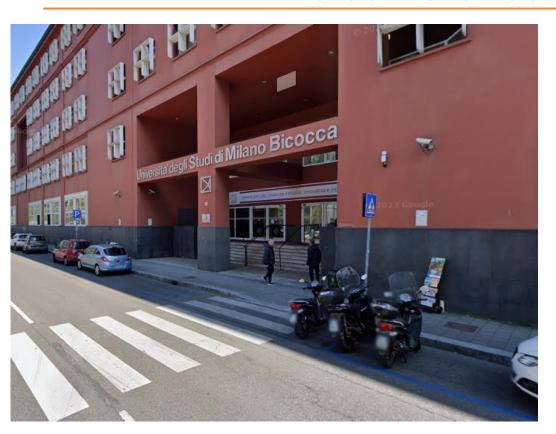








The conference venue



Venue:

University of Milano – Bicocca, Building U6 Address: Piazza dell'Ateneo Nuovo 1, Milano, 20126 (Google Maps link)

The conference venue

Plenary talks: <u>Aula Magna</u>, University of Milano – Bicocca, Building U6





U6 building Ground floor map



U6 building Ground floor map

	TIME	SUI	NDAY	MONDAY	TUESDAY	WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
		June	e 16th	June 17th	June 18th	June 19th		June 20th		June 21th		June 22th	
	09:00 - 10:40			Welcome and introduction	3 flavour neutrino oscillations 2	Astrophysical neutrinos 2		Neutrino cosmology		Reactor neutrinos 2		New technologies and applications	
	10:40 - 11:10			Coffee break	Coffee break	Coffee break		Coffee break		Coffee break		Coffee break	
	11:10 - 12:30			3 flavour neutrino oscillations 1	Theoretical overviews	Neutrino properties 2		Solar nu and Geoneutrinos		S15 Nu Interaction 2		Summary and closing	
	12:30 - 14:00			Lunch break	Lunch break	End of the day		Lunch break		Lunch break	End	of the conference	
	14:00 - 15:00			S2	S6			S12		S16			
	15:00 - 15:50			Sterile Neutrino	Neutrino properties 1	Lecture for Students		3 flavour neutrino oscillations 3		BSM searches			
	.5:50 - 16:00 16:00 - 16:20			Coffee break	Coffee break			Coffee break		Coffee break			
ı				S3	S7			S13		S17			
	16:20 - 17:00 17:00 - 17:30			Reactor neutrinos 1	Astrophysical neutrinos 1			Nu interactions 1		Synergies			
	17.00 - 17.30	P X		End of the day	Short break		E	nd of the day		Short break			
	17:30 - 20:00	Registration and Information desk	Welcome Cocktail	Classic Concert/Young Scientists Cocktail	Poster session and reception 1	Public Event (in Italian)			Poster session an reception 2				
	20:00 - 24:00							Social Dinner					

More detailed program can be found on the Neutrino 2024 Indico page https://agenda.infn.it/event/37867/timetable/

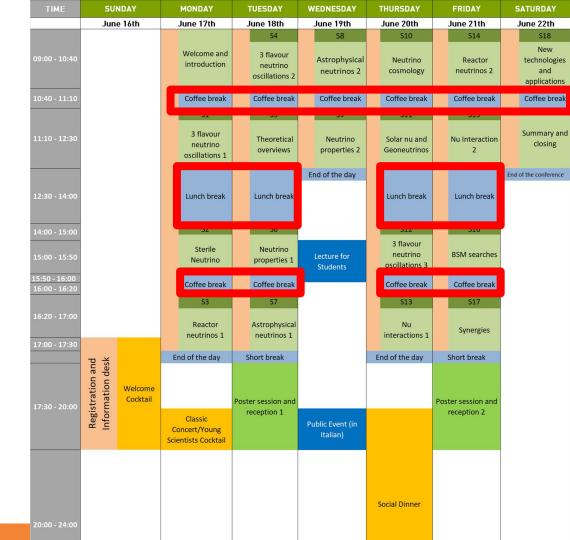


Registration Desk:

- Registration
- Other support
- From Monday June 17th to Friday June 21th, 8 a.m. – 6 p.m. at University of Milano – Bicocca, U6, Piazza dell'Ateneo Nuovo 1



Coffee and lunch breaks

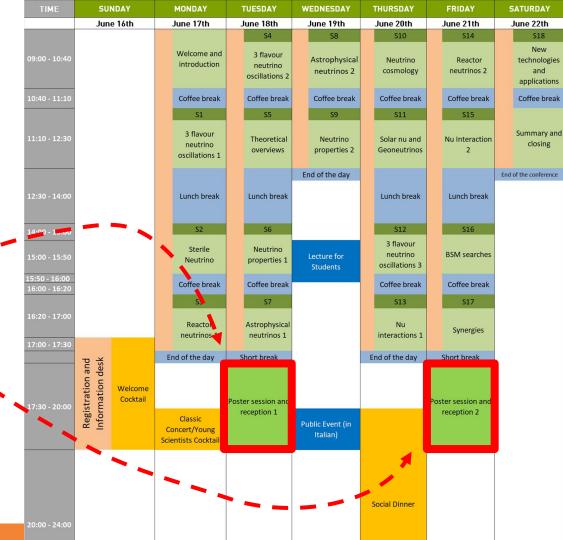


Poster session and reception 1:

Tuesday 18th 17.30-19.30 ~230 posters

Poster session and reception 2:

Friday 21th 17.30-19.30 ~230 posters



Outreach events:

- 1) Public Event: "Quei piccoli enigmatici neutrini"
- 2) Lecture for Students: "The genesis of the neutrino concept"
- 3) Children's Activity: "Che fisiche!"

More info (with registration links):

https://neutrino2024.org/outreach-events/

TIME	IME SUNDAY MONDAY		MONDAY	TUESDAY W		WEDNESDAY		THURSDAY	FRIDAY		SATUF			
	June 16th June 1		June 17th	June 18th		June 19th		June 20th			June 21th	June 2		
09:00 - 10:40				Welcome and introduction		3 flavour neutrino oscillations 2		S8 Astrophysical neutrinos 2		Neutrino cosmology		Reactor neutrinos 2		N techn a applic
10:40 - 11:10				Coffee break		Coffee break		Coffee break		Coffee break		Coffee break		Coffee
				S1		S5		S9		S11		S15		
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10.00 - 10.20				S3		S7				S13		S17		
16:20 - 17:00 17:00 - 17:30				Reactor neutrinos 1		Astrophysical neutrinos 1				Nu interactions 1		Synergies		
17.00 - 17.30	ح م خ		E	nd of the day	:	Short break			Е	nd of the day		Short break		
17:30 - 20:00	Registration and Information desk			Classic oncert/Young	Post	2	Pi	ıblic Event (in Italian)				iter session and reception 2		
20:00 - 24:00										Social Dinner				

Outreach events

1) Public Event: "Quei piccoli enigmatici neutrini"

On <u>Wednesday, June 19th at 6:30 PM</u>, in the Aula Magna of the University of Milano-Bicocca, three internationally renowned physicists, Silvia Pascoli, Elisa Resconi, and Guido Tonelli, will engage in a dialogue with Giuliana Galati about the past, present, and future of neutrino research. The event is open to the public, free of charge (registration required), and will be held in Italian.

2) Lecture for Students: "The genesis of the neutrino concept"

Discussing how current theoretical frameworks were developed

On <u>Wednesday, June 19th at 3:00 PM</u>, in the Aula Martini of the University of Milano-Bicocca, Francesco Vissani, a renowned researcher in neutrino physics, will take us on a six-part journey through the history of neutrinos. The event is open to the public, mainly aimed at university students, free of charge, and will be held in English.

3) Children's Activity: "Che fisiche!"

"Un gioco per scoprire la storia delle scienziate che hanno fatto la fisica moderna"

On <u>Saturday</u>, <u>June 22nd at 3:00 PM</u>, in the University of Milano-Bicocca Library, together with Ilaria Canobbio and Cecilia Osera, we will play a memory game to discover the stories of women scientists who have revolutionised research in physics and beyond over the centuries. The event is aimed at children aged 6 to 11, free of charge (registration required), and will be held in Italian.

Conference Dinner:

Museo della Scienza on Thursday, June 20th 2024, 7.00 – 11.30 pm. Address: Milano, via San Vittore 21 (Google Maps link)

TIME	SUN	NDAY		MONDAY	TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		S
	June	e 16th		June 17th	June 18th		June 19th		June 20th			June 21th	
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12:30 - 14:00				Lunch break		Lunch break	Er	nd of the day		Lunch break		Lunch break	End
14:00 - 15:00				S2		S6				S12		S16	
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	Reg Info			Classic oncert/Young entists Cocktail			Pu	ıblic Event (in Italian)					
20:00 - 24:00									9	Social Dinner			

SATURDAY June 22th

technologies

applications
Coffee break

Summary and closing

d of the conference

Social events

Young Scientists Cocktail

Address: MAS – Ripa di Porta Ticinese, 11 Monday, June 17th 2024, 7:30 p.m.

Classical Music Concert

Meeting point: Piazza S. Nazaro in Brolo, 5 Monday, June 17th 2024, 7.00 p.m.

Tour: Milano center and Scala

Tuesday, June 18th 2024, 8:45 / 9:45 a.m.

Tour: Milano in Tram

Meeting point: via Cantù 3, 2:45 pm Wednesday, June 19th 2024, 3:00 p.m.









Social programme + other events \rightarrow visit the official website https://neutrino2024.org/

Indico page

XXXI International Conference on Neutrino Physics and Astrophysics

16-22 Jun 2024 Milano

Europe/Rome timezone

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Overview

Important Information

Official website

Bulletins

Scientific Programme

Posters and presentations guidelines

Call for Abstracts

Timetable

Contribution List

Speaker List

My Conference

My Contributions

Proceedings

Inclusivity and Sustainability



Overview

The XXXI International Conference on Neutrino Physics and Astrophysics (Neutrino 2024) will be held in Milano, Italy, from June 16 to June 22.

The conference is jointly organized by University of Milano - Bicocca, University of Milano and INFN.

This biennial conference focuses on the current status of neutrino physics, its interplay with astronomy

The official Indico page is https://agenda.infn.it/event/37867/

→ detailed scientific program and the timetable of the conference, posters and presentations material, contribution and speakers lists, the instructions for the proceedings.

Practical information

<u>Wi-fi connection</u>: via "eduroam". Local Wi-Fi network ("unimib") can be accessed with personal guest credentials emailed by the UNIMIB Digital Services.

<u>Slack workspace</u>: the official Slack workspace is <u>neutrino2024.slack.com</u>. An invitation link will be sent by email.

<u>Volunteers and Information Desk:</u> a team of volunteers will welcome Neutrino 2024 conference delegates \rightarrow available at the Conference venues to help and assist for any questions about the event. This team will be identifiable by their branded t-shirts and badges.

<u>Cloakroom:</u> you will find a cloakroom to store your luggage or other similar objects at University of Milano – Bicocca (from June 17th to 22th). Please note that the organiser of Neutrino 2024 cannot accept any liability for lost items.

Guideline for poster and talk speakers

All the information for poster and talks presenters on Indicopage (<u>link</u>). Please read this document carefully!



<u>Plenary talks upload</u>: please ensure that the slides are uploaded to the Indico page no later than 24 hours before your talk. Please remember to toggle the specific option on Indico if you want to make your presentation private.

<u>Poster</u>: please consider the installation and removal times!

Proceedings

The presented material, both talks and posters, will be published on Zenodo; each will be provided with a DOI.

Talks: both the slides and the recording will be uploaded.

The upload will be performed by the local organizing committee using the material uploaded on Indico by the author.

Additional material, e.g. a written report or a video illustrating the poster content, could be added upon request of the author.



Endorsers





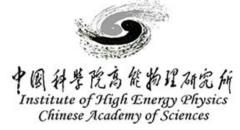














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