



NEUTRINO 2024

XXXI International Conference on Neutrino Physics and Astrophysics

Milano (Italy) - June 16-22, 2024

Concluding remarks

Chiara Brofferio



Thank you !!!



Thank you to all speakers, session moderators, & poster contributors!

71 scientific talks plus 460 posters

Topics:

- Neutrino oscillations
- Neutrino mass
- Neutrinoless Double Beta Decay
- Neutrino interactions
- Accelerator neutrinos
- Reactor neutrinos
- Atmospheric neutrinos
- Solar neutrinos
- Theory of neutrino masses and mixing, Leptogenesis
- Beyond Standard Model searches in the neutrino sector
- Supernova neutrinos
- Astrophysical neutrinos
- Geo neutrinos
- Neutrino role in cosmology
- Sterile neutrinos
- New technologies for neutrino physics



Thank you !!!



Thank you to the INC representatives who came all the way to Milano.

Francois Vannucci
Paris, France, 2004

Francis Halzen
Stephen Parke (chair)
Christchurch, New Zealand, 2008

Masayuki Nakahata
Kyoto, Japan, 2012

John Learned
Wailea, USA, 1981

Art McDonald
Sudbury, Canada, 2000

Gary Feldman
Ed Kearns
Boston, USA, 2014

Silvia Pascoli
London, UK, 2016

Guido Drexlin
Manfred Lindner
Heidelberg, Germany, 2018

Yeongduk Kim
Seon-Hee Seo
Seoul, South Korea, 2022

Franz von Feilitzsch
Munich, Germany, 2002

Thank you !!!



Thank you to the conference IAC, who has been instrumental in the selection of reviewers and posters.

K. Abazajian

UC Irvine

I. Bartos

University of Florida

N. Bowden

Lawrence Livermore National Laboratory

C. Buck

MPG Heidelberg

M. C. Chen

UC Irvine

M. Friend

KEK

L. Gastaldo

University of Heidelberg

I. Gil Botella

CIEMAT

M. Gonzales-Garcia

Stonybrook

S. Goswami

Physical Research Laboratory, Ahmedabad

J. Harz

University of Mainz

N. Jachowicz

Ghent University

S. K. Kang

Seoul National University

J. Kotila

Jyväskylä University

A. Kouchner

Université Paris Cité

Y. F. Li

IHEP Beijing

F. Mantovani

INFN – Ferrara

A. Marrone

INFN – Bari

O. Mena

Instituto de Física Corpuscular

T. Montaruli

Université de Geneve

P. Ochoa-Ricoux

UC Irvine

G. Orebi Gann

UC Berkeley/LBNL

G. Pagliaroli

INFN – LNGS

L. Patrizii

INFN – Bologna

B. Schwingenheuer

MPG Heidelberg

A. M. Serenelli

Institute of Space Sciences

M. B. Smy

UC Irvine

I. Tamborra

Niels Bohr Institute

C. Tomei

Università Roma Sapienza

M. Wascko

University of Oxford

H. Watanabe

Tohoku University

H. T. Wong

Academia Sinica, Taipei

M. Wurm

University of Mainz

Thank you !!!



Thank you to our LOC, who made all this possible

Vito Antonelli

INFN Milano

Davide Basilico

University of Milano

Marco Beretta

University of Milano

Matteo Biassoni

INFN Milano – Bicocca

Matteo Borghesi

University of Milano – Bicocca

Antonio Branca

University of Milano – Bicocca

Augusto Brigatti

INFN Milano

Barbara Caccianiga

INFN Milano

Lorenzo Caccianiga

INFN Milano

Silvia Capelli

University of Milano – Bicocca

Paolo Carniti

University of Milano – Bicocca

Carla Cattadori

INFN Milano – Bicocca

Davide Chiesa

University of Milano – Bicocca

Davide D'Angelo

University of Milano

Stefano Dell'Oro

University of Milano – Bicocca

Marco Faverezani

University of Milano – Bicocca

Marco Giammarchi

INFN Milano

Massimo Girola

University of Milano – Bicocca

Luca Gironi

University of Milano – Bicocca

Claudio Gotti

INFN Milano – Bicocca

Daniele Guffanti

University of Milano –
Bicocca

Cecilia Landini

INFN Milano

Federico Mariani

University of Milano

Alessandro Minotti

University of Milano – Bicocca

Massimiliano Nastasi

University of Milano – Bicocca

Andrea Nava

University of Milano – Bicocca

Irene Nutini

INFN Milano – Bicocca

Luca Origo

University of Milano – Bicocca

Maura Pavan

University of Milano – Bicocca

Elisa Percalli

University of Milano

Stefano Pozzi

INFN Milano – Bicocca

Stefano Ragazzi

University of Milano – Bicocca

Alessandra Re

University of Milano

Francesco Terranova

University of Milano – Bicocca

Marco Torri

University of Milano

Valerio Toso

University of Milano

Thank you !!!



Thank you to our students, with their enthusiasm and curiosity

Emma Irene Barile

University of Milano

Sofia Barp

University of Milano

Beatrice Bellantonio

University of Milano

Eleonora Bertolini

University of Milano – Bicocca

Angela Bonato

University of Milano

Simone Boscolo

University of Milano

Tommaso Bradanini

University of Milano – Bicocca

Giulia Cantarini

University of Milano – Bicocca

Aurelio Caslini

University of Milano

Giulia Conti

University of Milano – Bicocca

Matteo Dell’Ava

University of Milano

Giulio Gagliardi

University of Milano – Bicocca

Giacomo Galli

University of Milano – Bicocca

Alice Girardi

University of Milano

Emma Giussani

University of Milano – Bicocca

Lorenzo Guerra

University of Milano – Bicocca

Fatima Houria

University of Milano

Michela Ignoti

University of Milano

Gerta Maksuti

University of Milano

Nicola Manenti

University of Milano – Bicocca

Emanuele Mazzola

University of Milano – Bicocca

Luca Meazza

University of Milano – Bicocca

Camilla Montrasio

University of Milano – Bicocca

Lisa Paradossi

University of Milano – Bicocca

Andrea Parpinei

University of Milano – Bicocca

Daniele Peracchi

University of Milano – Bicocca

Gloria Piemonti

University of Milano – Bicocca

Niccolò Politi

University of Milano – Bicocca

Lorenzo Ramella

University of Milano

Clarissa Rossin

University of Milano

Anna Scanu

University of Milano – Bicocca

Roberto Serino

University of Milano – Bicocca

Laura Trombetta

University of Milano – Bicocca

Rita Vadalà

University of Milano – Bicocca

Alessandro Valcarenghi

University of Milano – Bicocca

Thank you !!!



Thank you to the many staff people of UNIMIB, INFN, and UNIMI that helped us realize all this...



UNIVERSITÀ
DEGLI STUDI
DI MILANO



... to our Endorsers...

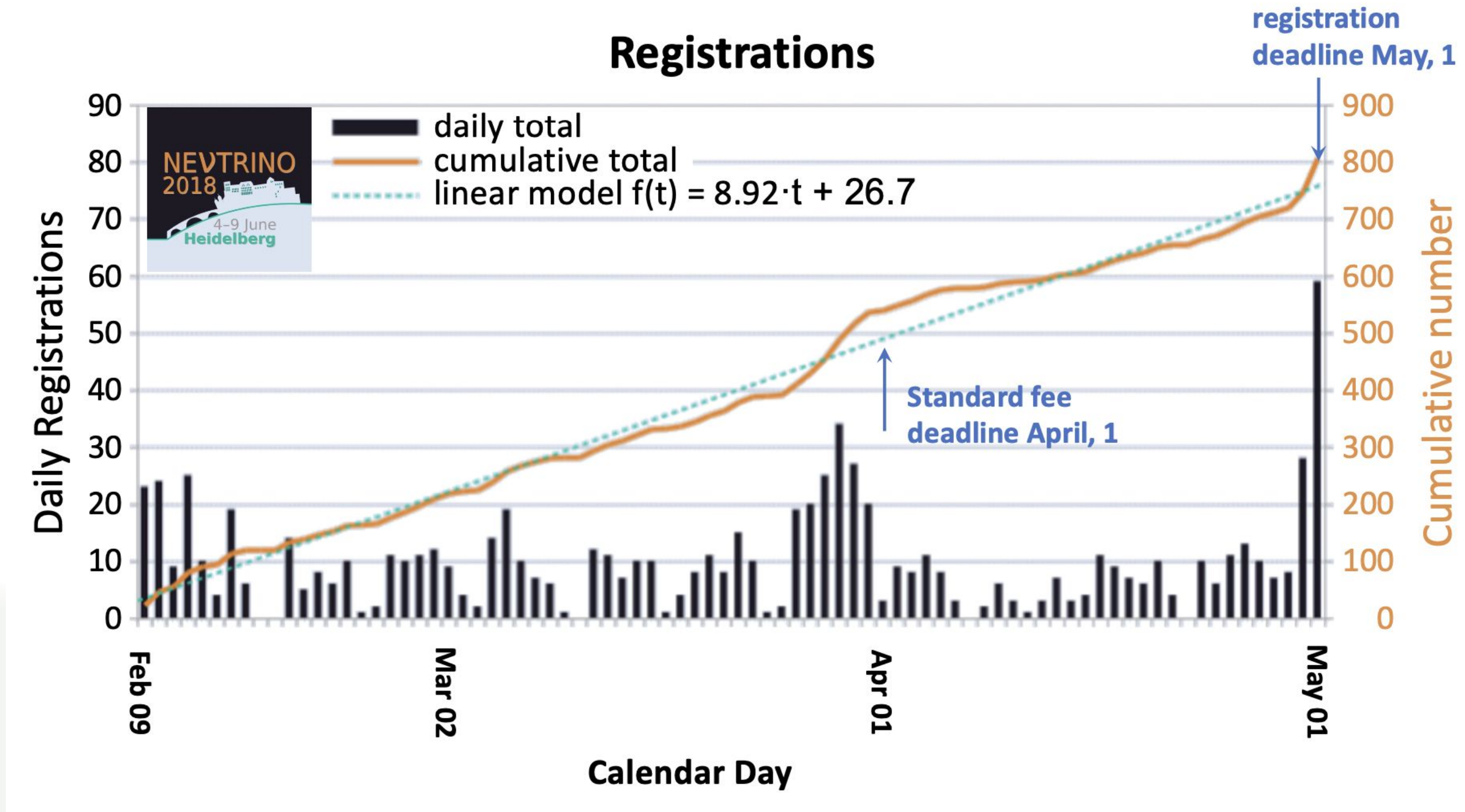
... and Sponsors



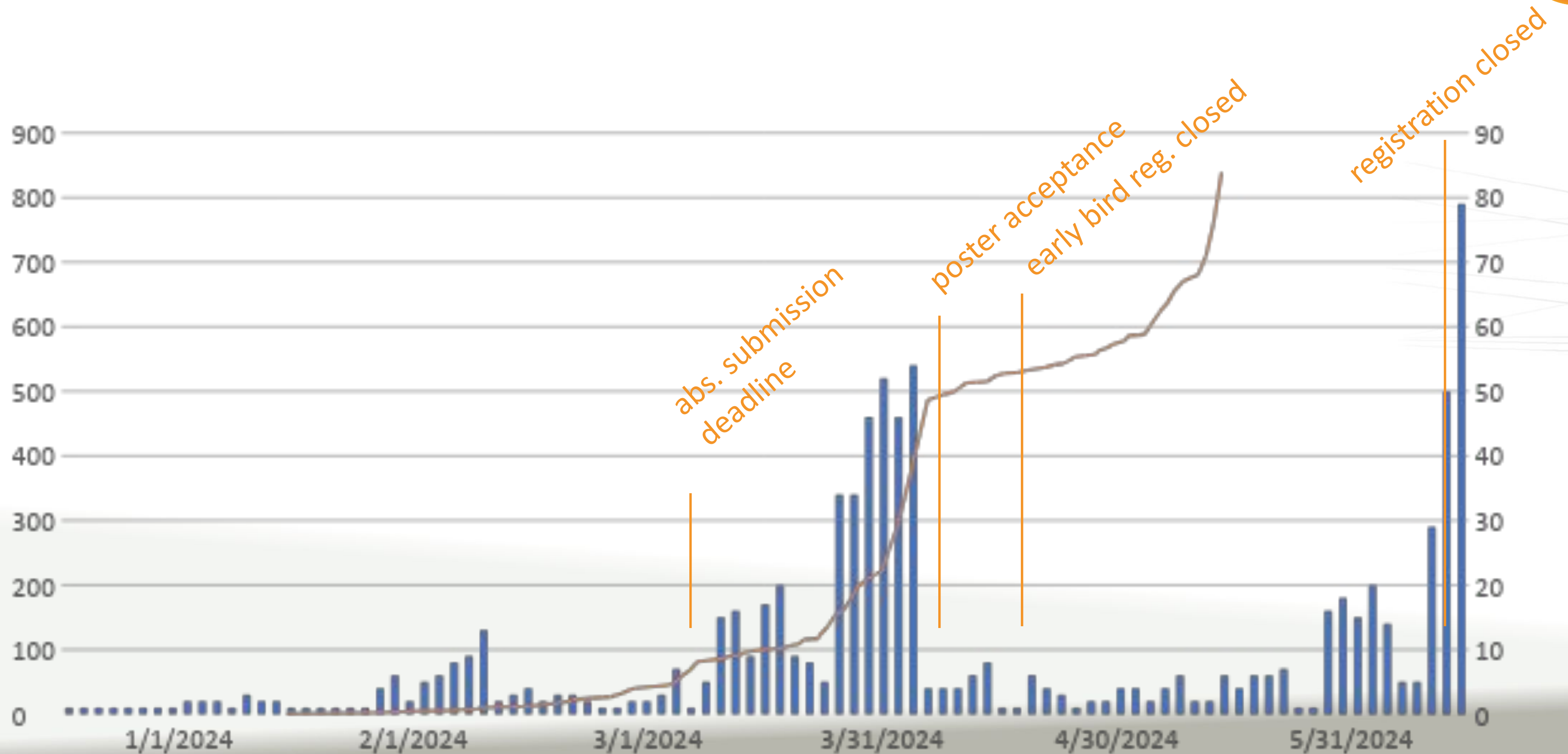
Our predecessors



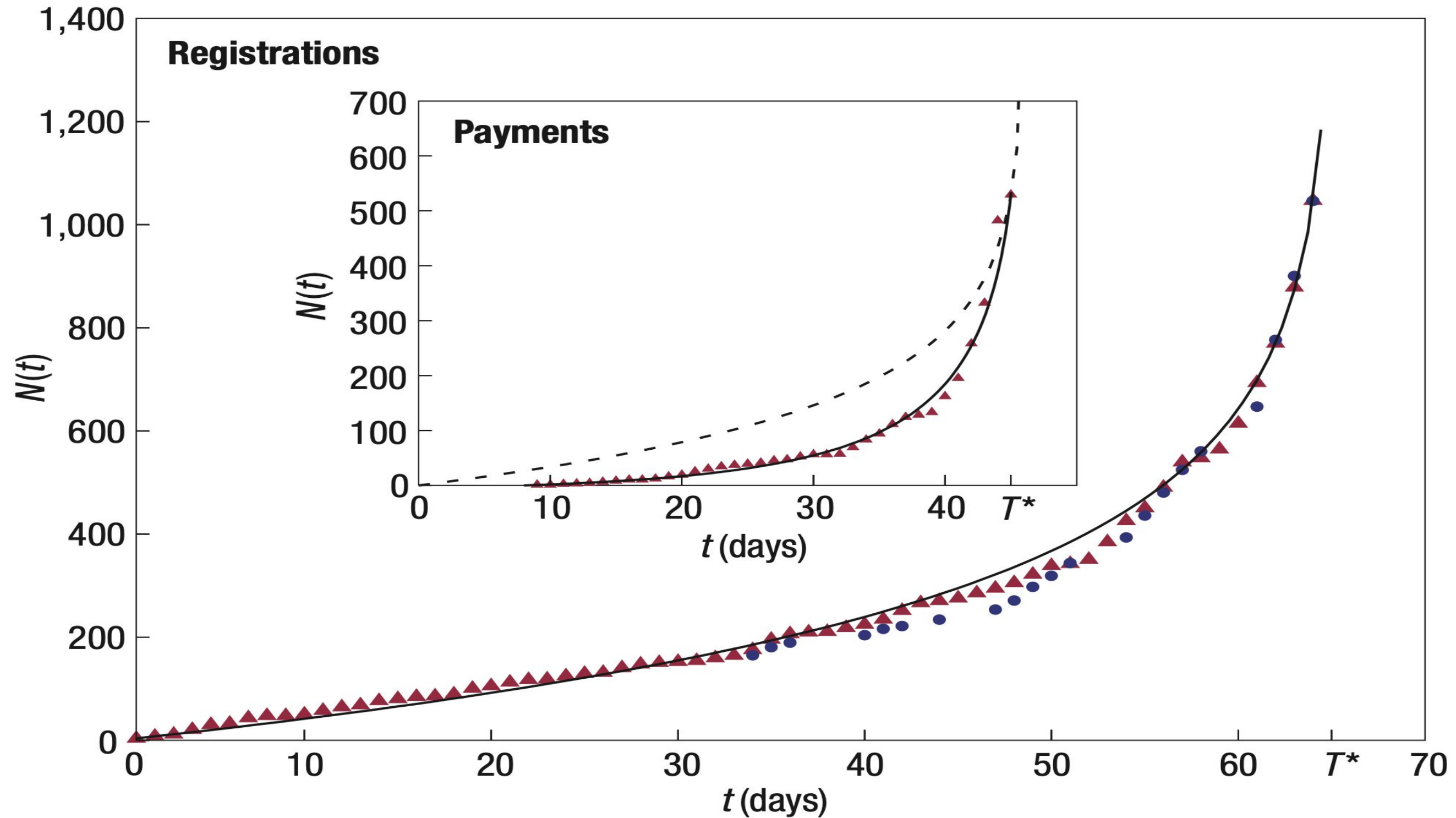
Neutrino participants: NEUTRINO 2018



Neutrino participants: NEUTRINO 2024



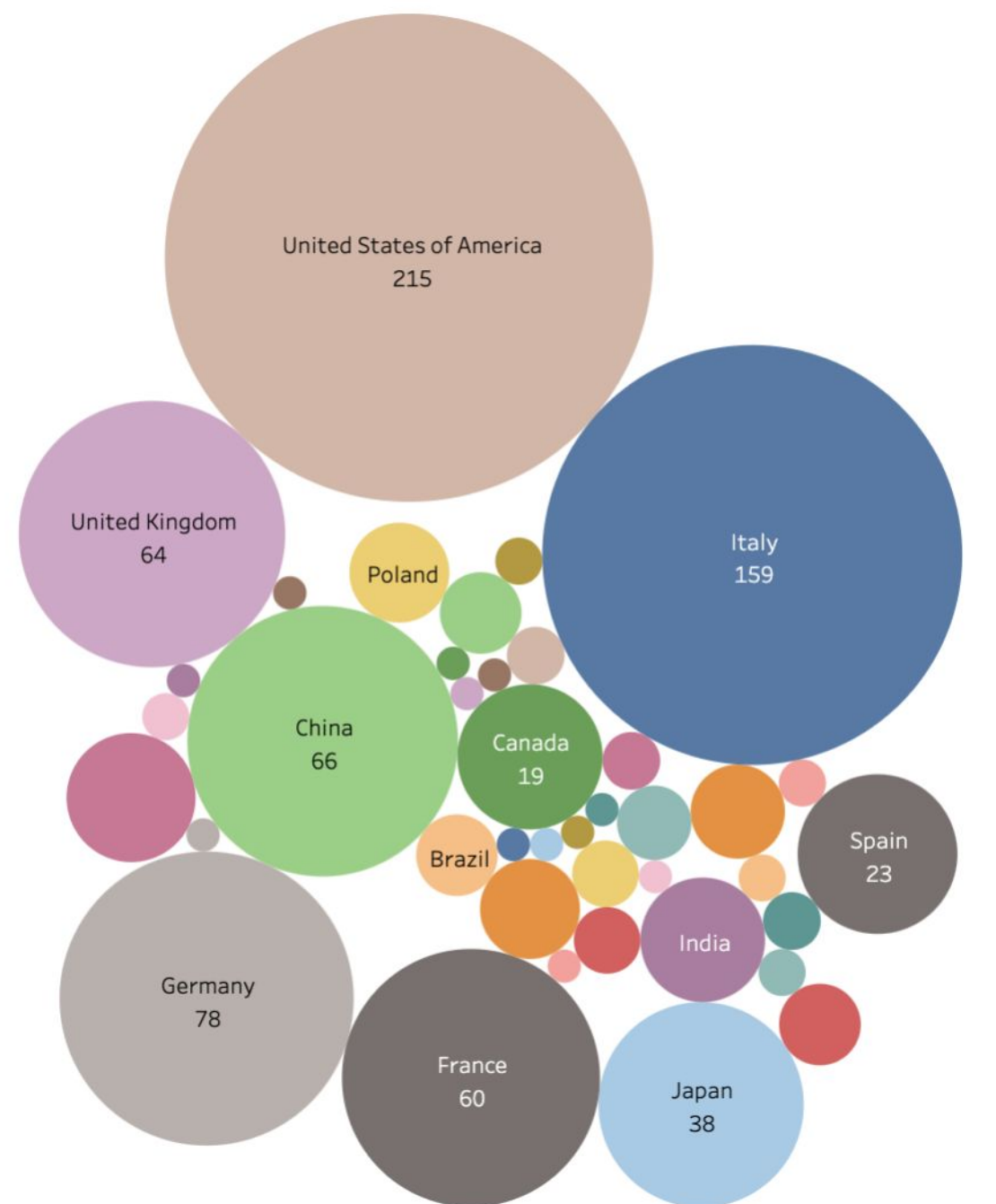
Neutrino participants: Parisi Law...



Valentina Alfi, Giorgio Parisi and Luciano Pietronero
Nature Physics , VOL 3, NOVEMBER 2007



Neutrino participants: distribution by country, age, gender

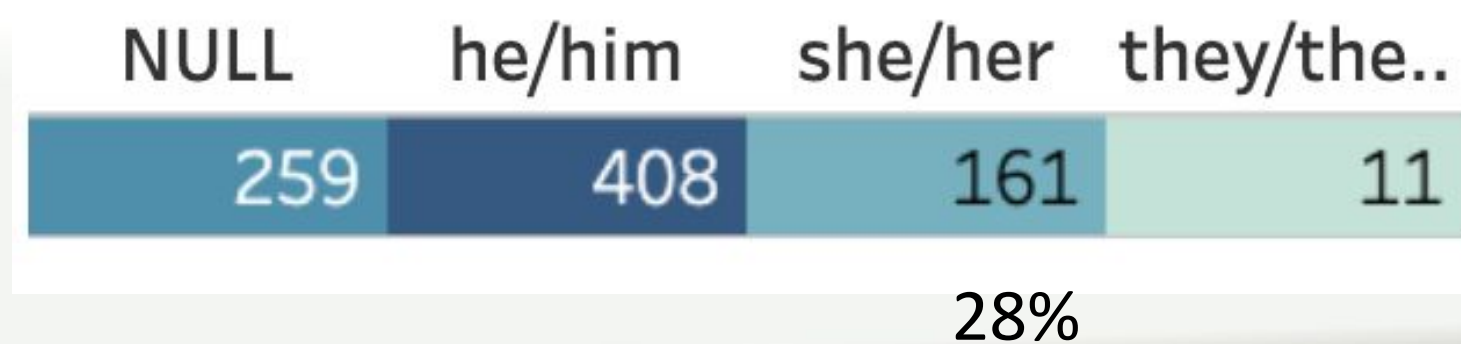


855 total participants registered (but only 828 made it to Milano)

Neutrino LOC (Milano) included ~ 60 people (from Italy)

31% students (PhD or less than 4 years after PhD)

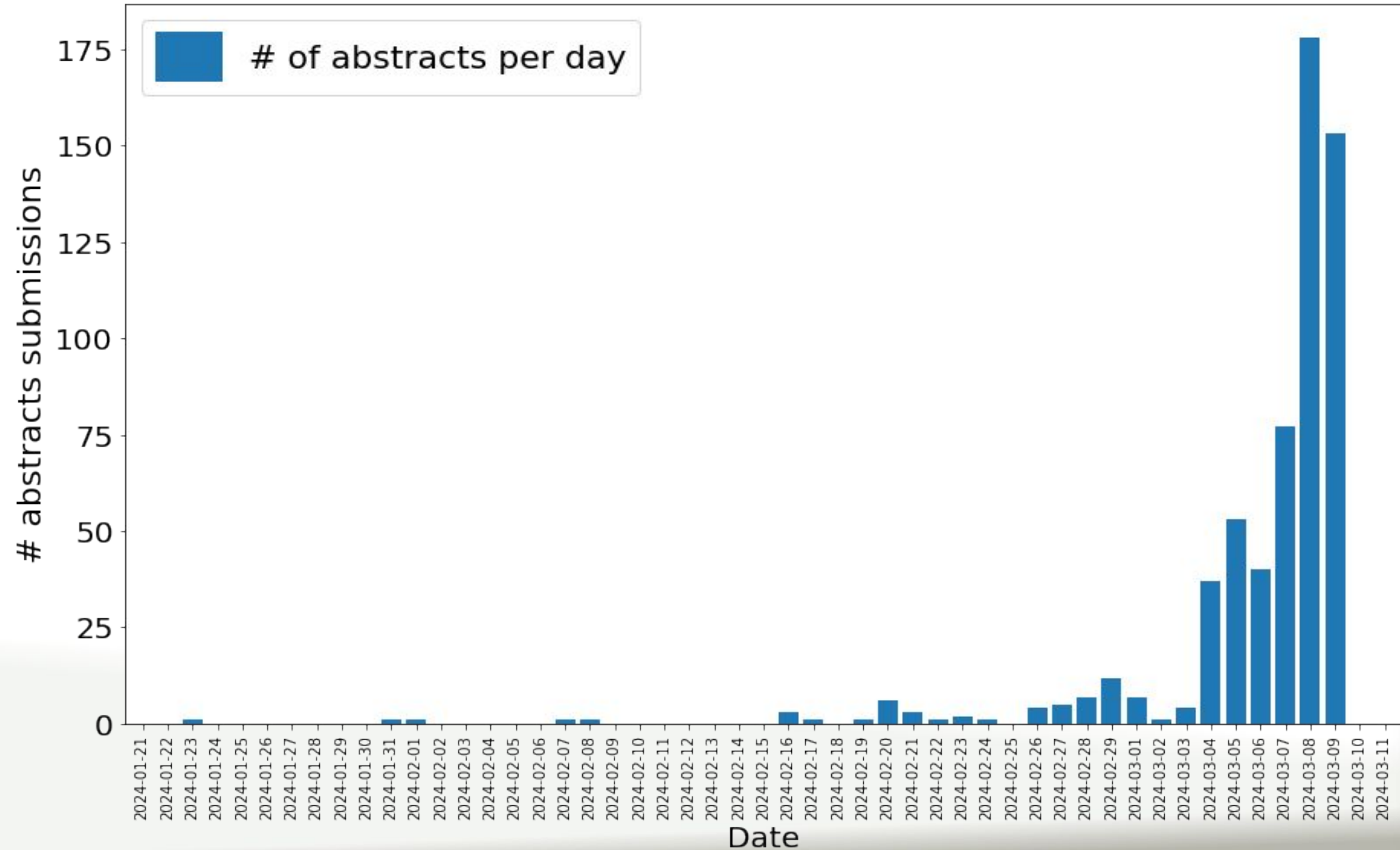
Preferred personal pronouns



Poster abstract statistics



- 616 total abstract submitted;
- 419 eligible for poster prize;
- ~66% of total abstracts submitted in the last 3 days;
- Due to space constraints, a total of 500 abstract have been accepted;
- 463 posters shown



Poster participants statistics

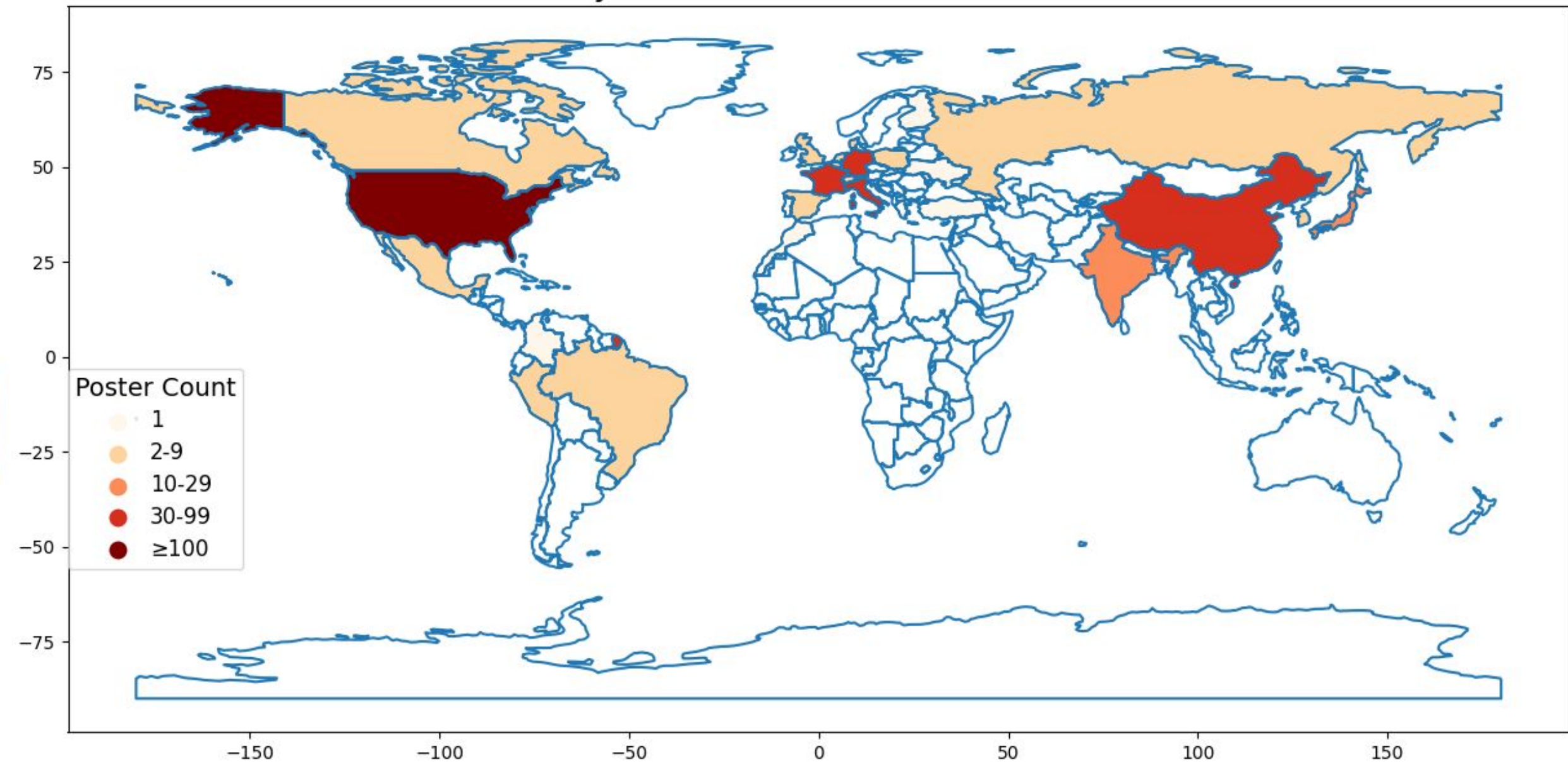
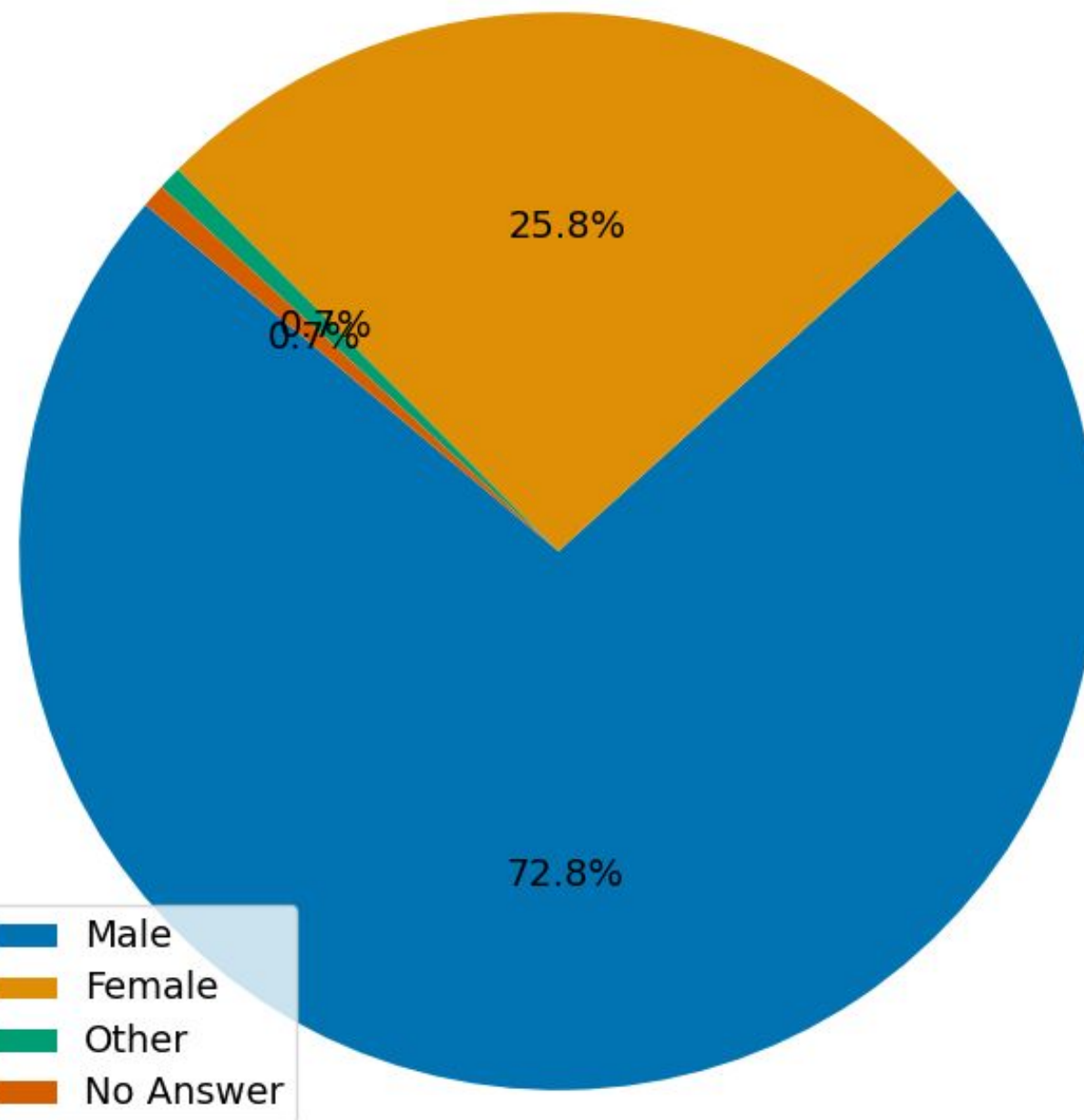


By Gender

By Country

Gender Distribution of Poster Submitters

Country Distribution of Poster Submitters



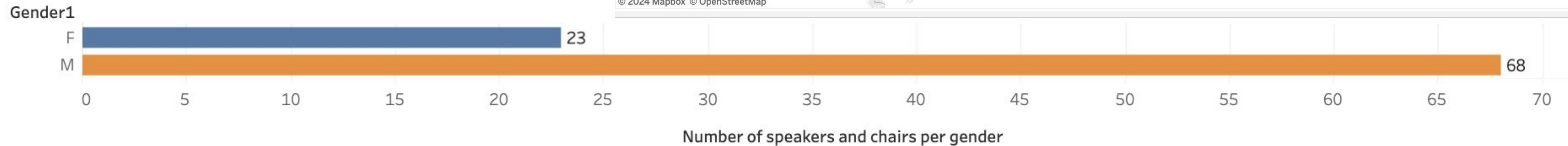
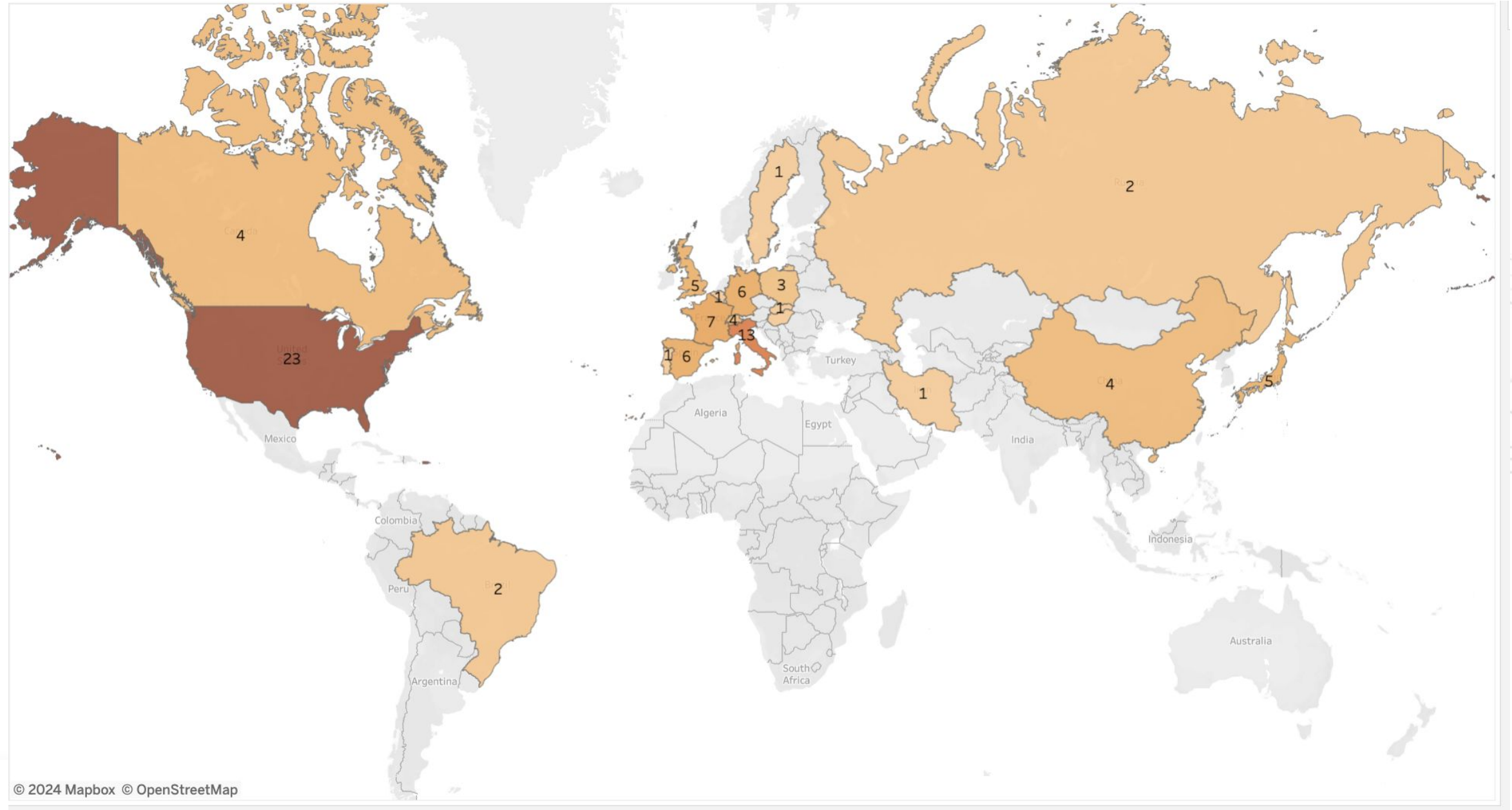
Neutrino speakers and chairs



91 people:
71 speakers (exp, reviews, reports)
20 chairs

F 25%

(F 19% ; F 33%)



The plenary sessions



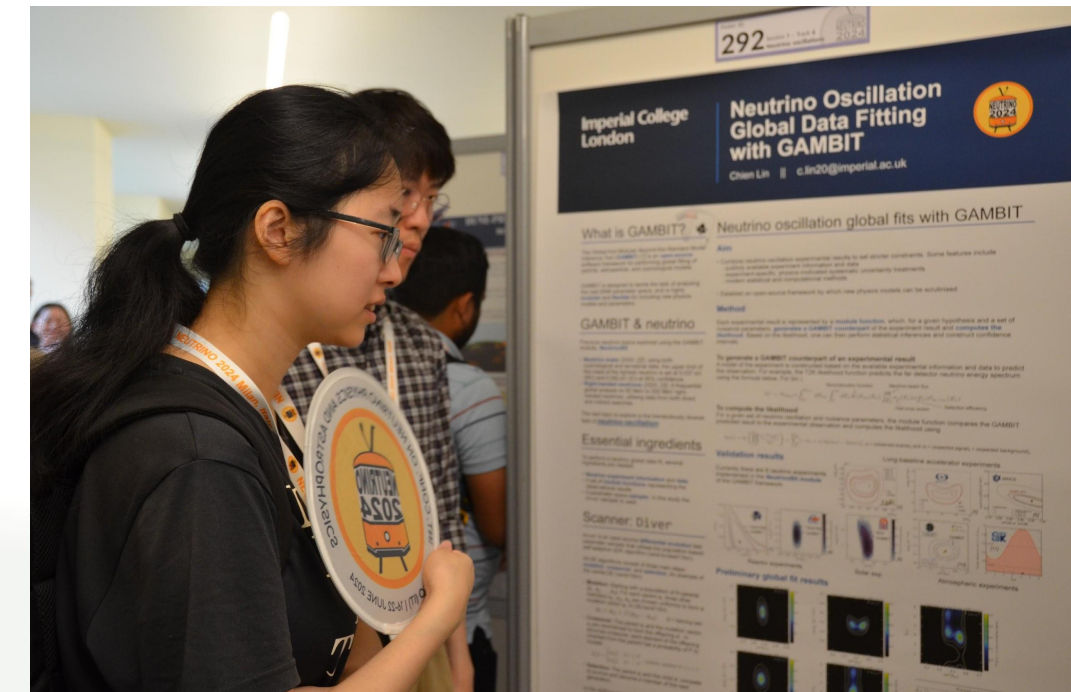
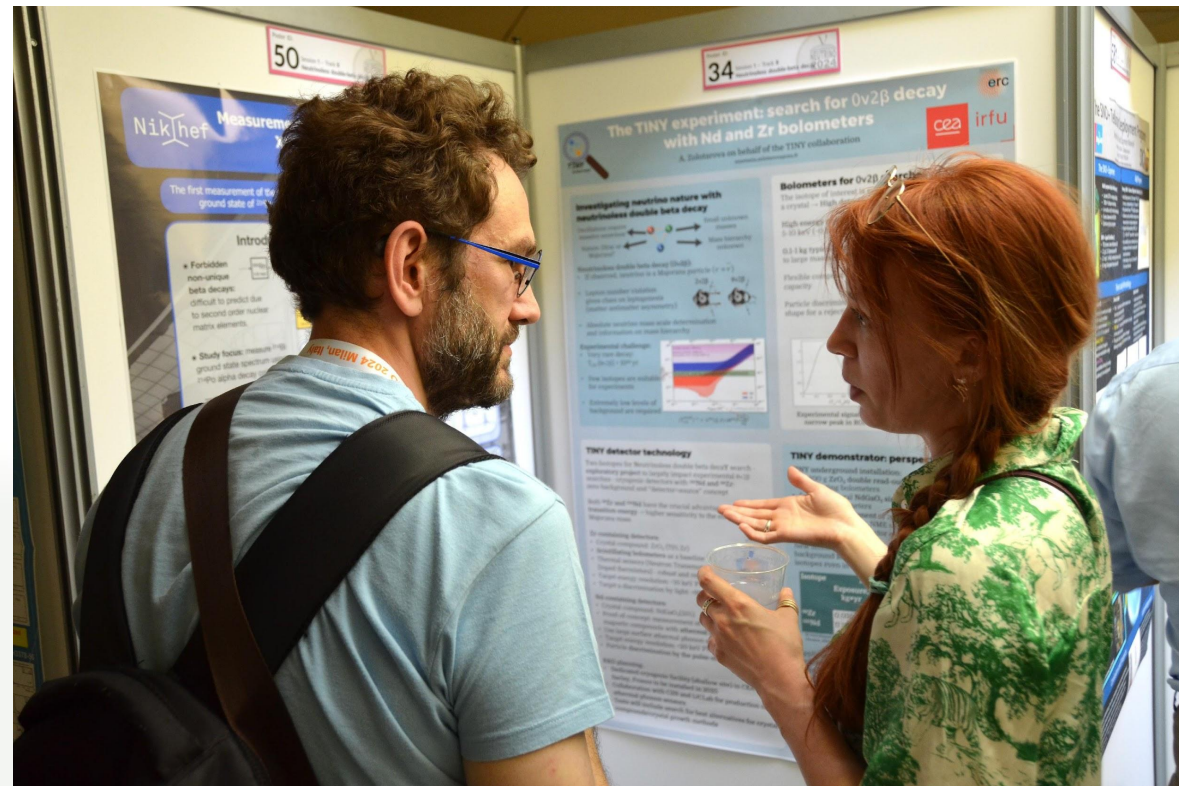
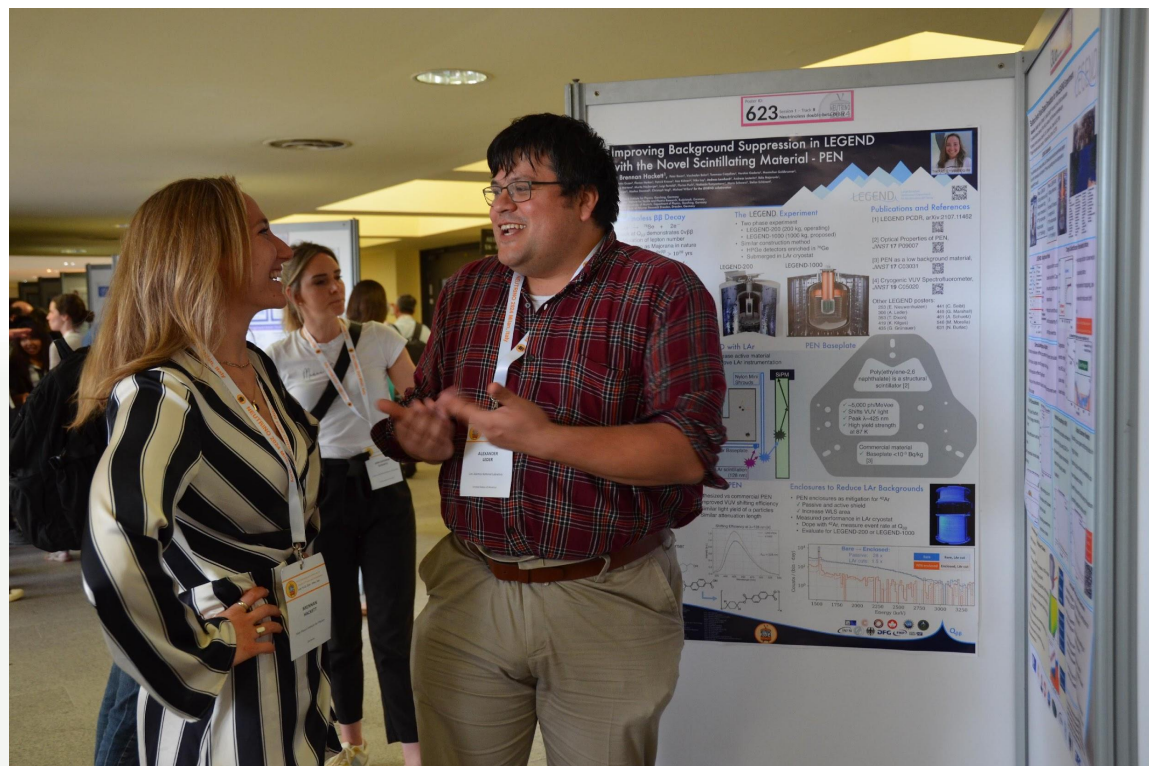
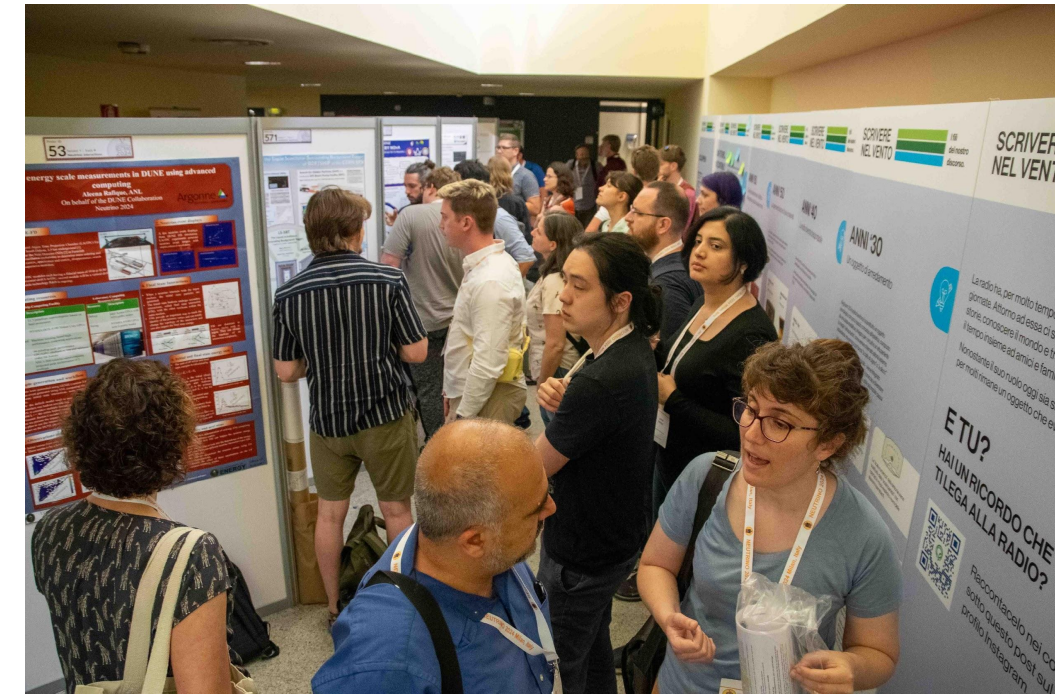
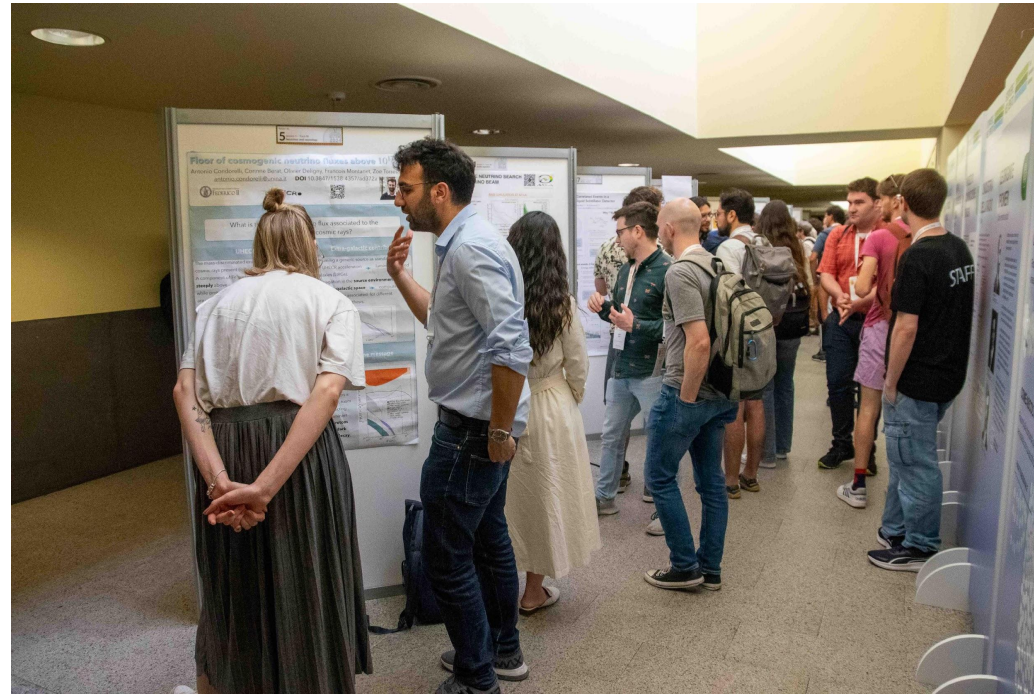
Friday...



Monday...



The poster sessions



Outreach...

Lecture for Students:
“The genesis of the neutrino concept”



Public Event:
“Quei piccoli enigmatici neutrini”



Ads on radio, social networks and newspapers

Children's Activity: “Che fisiche!”

Che Fisiche!

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

Letture animate e Memory game con Ilaria Canobbio e Cecilia Osera, autrici del libro «La scienza? Un gioco da ragazze!» ed il Neutrino LOC team

Sabato 22 Giugno 2024, ore 15:00
Università di Milano Bicocca – Biblioteca di Ateneo (Edificio U6)

L'evento, gratuito e in italiano, è indirizzato a bambini e bambine dai 6 agli 11 anni.

Iscrivetevi qui:
<https://forms.gle/MZSNEdyepJ5Jmsh8>

Evento di divulgazione organizzato in occasione della conferenza internazionale NEUTRINO 2024
<https://neutrino2024.org/>

Logo: NEUTRINO 2024

Logos: Comune di Milano, Regione Lombardia, Biblioteca di Ateneo, Università degli Studi di Milano, INFN

and... childcare



- Kindergarten (3–6 years old) at Scuola Bambini Bicocca from 8.30 to 5.00pm
- Outdoor camp (6-11 years old) at Parco Nord with Cooperativa Koinè, from 8.30 to 5.30pm



An important help for participants travelling with their children!

Proceedings



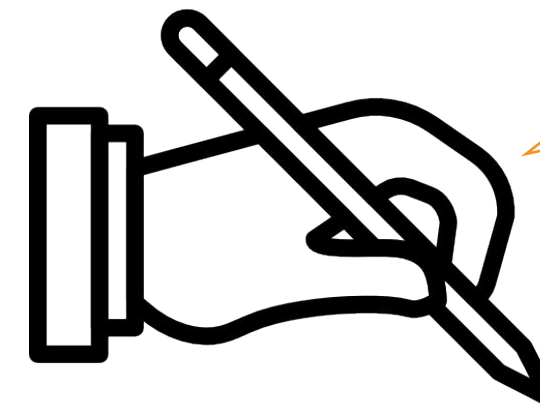
The proceedings of Neutrino 2024 will consist of:

- **slides + recordings** of the talks;
- **posters** presented at the conference.
- The material will be uploaded to the Zenodo archive and will be uniquely citable with a DOI.
- Speakers and poster presenters have been asked to sign a **waiver releasing consent** to upload their slides/poster on Zenodo.



The upload will start next week, using the material on Indico.

We need to get your consent, please sign



Goodbye and have a nice trip home!

