

THE PRIZE

The ICTP Prize sculpture consists of a plaque emerging out of stone, symbolizing the emergence of new, refined knowledge.

The stone base is made of Aurisina marble, which has been quarried in the vicinity of Trieste for more than 2000 years.

The special kind of stone and the waves represent Trieste's setting between the karstic hills and the sea.



The Abdus Salam
International Centre
for Theoretical Physics



Wednesday, 27 August 2025 / 13:00
ICTP Budinich Lecture Hall

2024 ICTP PRIZE CEREMONY

Followed by:

2023/2024 DIPLOMA GRADUATION CEREMONY
with **QAISAR AND MONIKA SHAFI PRIZE**

RANJAN LAHA

Assistant Professor in Centre for High Energy Physics, Indian Institute of Science, Bengaluru (India).

Prof. Laha has received the prize for his outstanding and wide-ranging work in theoretical particle astrophysics and cosmology. In particular, Laha has invented creative methods to search for various dark matter candidates and signatures of physics beyond the Standard Model of particle physics. By applying his methods to astrophysical data, he has made a major impact on this important and developing topic.

ENZO TAGLIAZUCCHI

Professor at the University of Buenos Aires (Argentina) and Principal Researcher at the BrainLat Institute, Adolfo Ibáñez University (Santiago, Chile).

Prof. Tagliazucchi has been awarded for his significant insights in human cognition and consciousness based on general theoretical principles, validated on empirical data from neural recordings according to the established standards of cognitive neuroscience. By combining methods from physics, machine learning and dynamical systems, his research provided a quantitative language to address elusive concepts in neuroscience, providing measures for consciousness based on dynamic principles and on a variety of consciousness states.

Each year, the ICTP Prize is given in honour of a scientist who has made outstanding contributions to the field in which the prize is given. The 2024 ICTP Prize is dedicated to the memory of Freeman Dyson, a theoretical physicist and mathematician known for his works ranging from quantum field theory and astrophysics to the mathematical formulation of quantum mechanics, and whose eminently deep and creative work accompanied and shaped theoretical physics of the second part of the last century.

2024 ICTP PRIZE CEREMONY

Welcome remarks

Atish Dabholkar
Director, ICTP

Introductory remarks

Alexei Smirnov
Emeritus Scientist, ICTP

Lecture: "Theoretical
Astroparticle Physics:
Discovering the Universe Using
Particle Physics and
Astrophysics"

Ranjan Laha
Indian Institute of
Science - IISc

Q&A

Introductory remarks

Matteo Marsili
Senior Research
Scientist, ICTP

Lecture: "Consciousness at the
Crossroads of Physics and
Neuroscience"

Enzo Tagliazucchi
University of Buenos
Aires & Latin American
Brain Institute

Q&A

Coffee break

Graduation Ceremony
2024/2025 Postgraduate Diploma Students

Qaisar and Monika Shafi Prize award

Light refreshments at the Leonardo Building Terrace