

Session Program

15-18 Sept 2026

**XLVI National Congress of the Italian Society
for the History of Physics and Astronomy**

History of Physics in 20th Century

Naples

Tuesday 15 September

14:30

History of Physics in 20th Century

Session | **Location:** Astronomical Observatory of Capodimonte, Auditorium Ernesto Capocci | **Convener:** La Rana, Adele

14:30-14:55

The special-relativistic theory of gravitation by Henri Poincaré and Alfred North Whitehead

Speaker

Giannetto, Enrico

14:55-15:20

Between science outreach and political activism: Bari and its publishing houses in the second half of the twentieth century with a case study: Edizioni Dedalo

Speaker

Romano, Luigi

15:20-15:45

Beyond the Optical Sky: Serendipity, Exaptation, and the Violent Universe (1950-1970)

Speaker

Furlan, Stefano

15:45

16:15

History of Physics in 20th Century

Session | **Location:** Astronomical Observatory of Capodimonte, Auditorium Ernesto Capocci | **Convener:** La Rana, Adele

16:15-16:40

The Ising Model: 100 Years of Connections Between Physics and Complexity

Speaker

Spairani, Luisa

16:40-17:05

From Small Experiments to "Battleship" Research: The Nobel Case of Emilio Segrè.

Speaker

Buccilli, Bianca

17:05-17:30

Experimental confirmation of γ - γ scattering and implications of Quantum Field Coherence Theory, with the emergence of Giant Resonances in heavy-ion collisions.

Speaker

Mileto, Graziano

17:30

Thursday 17 September

09:15

History of Physics in 20th Century

Session | **Location:** Museum of Physics of Naples, Ex-Jesuit Refectory | **Convener:** Gambaro, Ivana

09:15-09:55

A Schrödinger equation without Schrödinger?

Speaker

Darrigol, Olivier

09:55-10:20

Italian Competitions for Physics Chairs from 1902 to 1942

Speaker

Rossi, Paolo

10:20-10:45

From Via Panisperna to Como: Fermi, Persico, Pontremoli and the International Congress of Physicists (1927)

Speaker

Leone, Matteo

10:45

11:15

History of Physics in 20th Century

Session | **Location:** Museum of Physics of Naples, Ex-Jesuit Refectory | **Convener:** Gambaro, Ivana

11:15-11:40

The Path to the Neutron: From Rutherford's Hypothesis to Chadwick's Discovery

Speaker

Pagano, Emanuele Vincenzo

11:40-12:05

The hydrodynamic electromagnetism of the Norwegian Bjerknes family -- A neglected but revaluable research program

Speaker

Scalera, Giancarlo

12:05-12:30

Feynman-Wheeler absorber theory and cosmology

Speaker

Naddeo, Adele

12:30-12:55

Einstein's KosmoLogik (1917)

Speaker

Afriat, Alexander

12:55