

# BRUNO TOUSCHEK 100 YEARS

2-4 December, 2021

Titles are provisional

## 2 December: Dipartimento di Fisica, La Sapienza

### Morning Session 9:00-13:00

9:00-10:00 **Authorities** (includes Francis Touschek)

**Bruno Touschek (1921-1978),**

Luisa Bonolis, 30'

**Ada at Orsay,**

Jacques Haissinski, 30' (Zoom)

**Touschek and Statistical Mechanics,**

Giancarlo Rossi, 30'

11:30-11:50 **Coffee Break**

**The Era of Colliders,**

Carlo Rubbia, 40'

**ADONE, Asymptotic Freedom, QCD,**

Giorgio Parisi, 30'

13:00-15:00

**Shows** (posters, photos, movies)

**Lunch Break** (catering)

### Afternoon Session 15:00-18:30

**Standard Theory and Theoretical Physics in Roma**

Luciano Maiani, 30'

**Physics with LEP**

Ugo Amaldi, 40' (Zoom)

16:10-16:30 **Coffee Break**

**Dual Models, from Quarks to Gravitons,**

Gabriele Veneziano, 30'

**QCD and Super Computers,**

Guido Martinelli, 30'

17:30-18:30 **Recollections and Discussion**

## **3 December: Laboratori Nazionali di Frascati**

### **Morning Session 10:00 -13:30**

#### **Physics at Frascati with Ada and Adone**

Mario Greco, 30'

#### **Accelerators at LNF. From Ada to Eupraxia**

Andrea Ghigo, 30'

#### **Accelerator Physics at Orsay**

Achille Stocchi, 30'

11:30-12:00 **Coffee break**

#### **High gradient acceleration**

Ralph Assmann: 40'

#### **Technical challenges for the future colliders**

Lucio Rossi, 40'

13:30 – 14:30 **Lunch break**

### **Afternoon session 14:30-16:30**

#### **Muon collider**

Daniel Schulte, 40'

#### **High brilliance synchrotron radiation machines**

Pantaleo Raimondi, 40'

16:30 **Naming Ceremony of the LNF Visitor Center** with Francis Touschek.

18:00 **Public Event:** Antonio Zoccoli, Presidente INFN

## 4 December: Accademia Nazionale dei Lincei. Roma

### Morning Session 9:00-13:00

10:00-12:30

**Address by President of Accademia dei Lincei, 10'**

**Bruno Touschek (1921-1978)**

Lia Pancheri, 30'

**The Making of Adone**

Claudio Pellegrini, 30'

**Coffee Break 11:10-11:30**

**Spontaneous Symmetry Breaking in Particle Physics**

Giovanni Jona-Lasinio, 30'

**String Theory**

Paolo Di Vecchia, 30'

12:30-14:00

**Shows** (posters, photos, movies)

**Lunch Break** (catering)

### Afternoon Session 14:00-19:00

**Multimessenger Astronomy,**

Marica Branchesi, 40'

**Knowledge and Technology Transfer from HEP,**

Manuela Cirilli, 30'

**Coffee Break 15:20-16:00**

16:00-18:40 **The Future of High Energy Physics:**

**High Energy Physics and the European Strategy,**

Gian Giudice, 40'

**Circular Collider in China,**

Yifang Wang, 40'

**High Energy Linear Colliders,**

Steiner Stapnes, 40'

**Neutrinos,**

Sergio Bertolucci, 40'

**Discussion 20'**

18:40-19:00

**Recollections**