

# **The Rise of Particle Physics**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome

*Monday, 23 September 2024 09:00 (30 minutes)*

**Presenter:** SALUTI ISTITUZIONALI

Contribution ID: 2

Type: **not specified**

## **The Standard Model: yesterday, today and tomorrow**

*Monday, 23 September 2024 10:10 (40 minutes)*

**Presenter:** GEORGI, H (Harvard U.)

Contribution ID: 3

Type: **not specified**

## **The November revolution**

*Monday, 23 September 2024 14:30 (40 minutes)*

**Presenter:** DE RUJULA, A (IFT, Madrid)

Contribution ID: 4

Type: **not specified**

## Coffee Break

*Monday, 23 September 2024 10:50 (20 minutes)*

Contribution ID: 5

Type: **not specified**

## The rise of gauge theories

*Monday, 23 September 2024 11:10 (40 minutes)*

**Presenter:** ILIOPOULOS, J (ENS, Paris)

Contribution ID: 6

Type: **not specified**

## From charm to CP violation

*Monday, 23 September 2024 11:50 (40 minutes)*

**Presenter:** MAIANI, L (Sapienza U. & Accademia dei Lincei)

Contribution ID: 7

Type: **not specified**

## Lunch

*Monday, 23 September 2024 12:30 (2 hours)*



Contribution ID: 8

Type: **not specified**

# **The discovery of the W and Z bosons at the CERN proton-antiproton collider**

*Monday, 23 September 2024 15:10 (40 minutes)*

**Presenter:** DI LELLA, L (Mainz U. & PRISMA)

Contribution ID: 9

Type: **not specified**

## The proton colliders at CERN

*Monday, 23 September 2024 16:10 (40 minutes)*

**Presenter:** MYERS, S (CERN)

Contribution ID: **10**

Type: **not specified**

## **Coffee Break**

*Monday, 23 September 2024 15:50 (20 minutes)*

Contribution ID: 11

Type: **not specified**

## **Precision Physics in the era of (HL)LHC**

*Tuesday, 24 September 2024 09:25 (40 minutes)*

**Presenter:** PIERINI, M (CERN)

Contribution ID: 12

Type: **not specified**

## **The age of gravitational wave astronomy**

*Monday, 23 September 2024 16:50 (40 minutes)*

**Presenter:** MARION, F (LAPP, Annecy)

Contribution ID: 13

Type: **not specified**

## **e+ e- colliders: from the flavour factories to the future precision machines**

*Tuesday, 24 September 2024 10:05 (40 minutes)*

**Presenter:** RAIMONDI, P (Fermilab)

Contribution ID: 14

Type: **not specified**

## **Recent developments in Flavor Physics, the Unitary Triangle Fit, Anomalies and all that**

*Tuesday, 24 September 2024 10:45 (40 minutes)*

**Presenter:** MARTINELLI, G (Sapienza U. & Academia dei Lince)

Contribution ID: 15

Type: **not specified**

## Coffee Break

*Tuesday, 24 September 2024 11:25 (20 minutes)*



Contribution ID: 16

Type: **not specified**

## Flavour in the "mid-term" of BSM

*Tuesday, 24 September 2024 11:45 (40 minutes)*

**Presenter:** BARBIERI, R (SNS, Pisa)

Contribution ID: 17

Type: **not specified**

## **Neutrinos: the rise of a new paradigm**

*Tuesday, 24 September 2024 14:25 (40 minutes)*

**Presenter:** LISI (, E (INFN, Bari)

Contribution ID: **18**

Type: **not specified**

## Lunch

*Tuesday, 24 September 2024 12:25 (2 hours)*

Contribution ID: 19

Type: **not specified**

## **From Adone's multi-hadron production to the J/Psi discovery**

*Tuesday, 24 September 2024 17:05 (30 minutes)*

**Presenter:** GRECO, M (Rome Tre)

Contribution ID: 20

Type: **not specified**

# The Discovery of the Antiproton between Rome and Berkeley

*Tuesday, 24 September 2024 15:05 (30 minutes)*

**Presenter:** BATTIMELLI, G (Sapienza U.)

Contribution ID: 21

Type: **not specified**

## **The discovery of the antihyperon<sup>+</sup>: a Roman story at the particle zoo**

*Tuesday, 24 September 2024 15:35 (30 minutes)*

**Presenter:** LA RANA, A (Macerata U. & INFN Roma)

Contribution ID: 22

Type: **not specified**

## **Raoul Gatto and Bruno Touschek's joint legacy in the rise of electron-positron physics**

*Tuesday, 24 September 2024 16:05 (30 minutes)*

**Presenter:** BONOLIS, L (MPIWG)

Contribution ID: 23

Type: **not specified**

## Coffee Break

*Tuesday, 24 September 2024 16:35 (30 minutes)*



Contribution ID: 24

Type: **not specified**

## **Evening Public Lecture: "Concluding words on the November revolution and the consolidation of the Standard Model"**

**Presenters:** MAIANI, L (Sapienza U. & Accademia dei Lincei); TING, S (MIT)

Contribution ID: 25

Type: **not specified**

## **From Bjorken scaling to scaling violations**

*Tuesday, 24 September 2024 17:35 (40 minutes)*

**Presenter:** PARISI, G (Sapienza U. & Accademia dei Lincei)

Contribution ID: 26

Type: **not specified**

# Discovery of the J Particle at Brookhaven National Laboratory and Physics of Electrons and Positrons

*Monday, 23 September 2024 09:30 (40 minutes)*

**Primary author:** TING, Sam (MIT)

**Presenter:** TING, Sam (MIT)