Once again this year, INFN is taking part in festivalfilosofia (https://www.festivalfilosofia.it/), scheduled for 16-18 September 2022, in Modena, Carpi and Sassuolo. The festivalfilosofia, now at its 22\textsuperscript{nd} edition, aims to be a space for philosophical and cultural dialogue and debate, with a dense programme of lectures, exhibitions, performances, readings, children's activities and philosophical dinners. The meeting organised by INFN will be hosted at the Piazza Martiri in Carpi and will focus on the radical change that quantum mechanics triggered in early 20th-century physics, revolutionising its foundations and even the notion of measuring reality.

18 SEPTEMBER, 9.00 P.M., Piazza Martiri, Carpi (MO)
MEASURING THE COSMOS
With Marco Pallavicini, member of the INFN executive board and professor at the University of Genoa, and Marco Cattaneo, journalist, editor of Le Scienze and National Geographic Italy. Find out more. (https://collisioni.infn.it/evento/linfn-al-festivalfilosofia-2022-la-misura-del-cosmo/)

INFN AT GravitasFest
17-18 SEPTEMBER, 'Il ghetto' municipal centre of art and culture, Cagliari
INFN Cagliari Division organizes the first edition of GravitasFest in Cagliari, a multidisciplinary festival spanning contemporary physics, philosophy and history of science, art and sociology. Find out more. (https://collisioni.infn.it/evento/linfn-al-gravitasfest-2022-oltre-il-senso-comune/)

17 SEPTEMBER, 4.35 P.M.
LISTENING AND SEEING THE DARKNESS OF THE COSMOS: BLACK HOLES
With Michele Punturo, INFN Perugia, head of the Einstein Telescope experiment and Mariafelicia de Laurentis, University of Naples, researcher at INFN and at the Event Horizon Telescope collaboration.
17 SEPTEMBER, 9.30 P.M.
DANTE AND MODERN SCIENCE
With commentary by Antonio Zoccoli, President of the National Institute for Nuclear Physics and with the narration of Stefano Sabelli, actor.

18 SEPTEMBER, 3.00 P.M.
PHILOSOPHY OF THE DARK UNIVERSE
With Riccardo Murgia, Gran Sasso Science Institute, Claudia Sciarma, astrophysicist and science communicator and Walter Bonivento, INFN Cagliari.

18 SEPTEMBER, 3.45 P.M.
THE DREAM OF UNIFYING THE INFINITELY LARGE AND THE INFINITELY SMALL
With Mariano Cadoni, University of Cagliari and INFN and Giovanni Amelino-Camelia, University of Naples.

INFN AT GALASSICA - ASTRONOMY FESTIVAL
Once again this year, INFN will be taking part in Galassica Festival of Astronomy, with three talks dedicated to different ways of exploring the universe. Find out more (https://collisioni.infn.it/evento/linfn-a-galassica-festival-astronomia-2022/).

18 SEPTEMBER, 10.00 A.M - 01.00 P.M., Castello di Malcavalca, Esanatoglia (MC)
THE GIANTS THAT STUDY THE UNIVERSE
with Carla Aramo, researcher INFN Naples Division, CTA collaboration

SURFING THE WAVE... SPATIAL! HISTORY OF GRAVITATIONAL WAVES
with Marco Drago, researcher INFN and Sapienza University of Rome, Virgo collaboration

FROM INFINITESIMAL TO INFINITE: A SHORT JOURNEY IN PARTICLE PHYSICS
with Vincenzo Vagnoni, researcher INFN Bologna Division, scientific head of the LHCb - CERN Geneva collaboration

HUNTING FOR DARK MATTER WITH THE XENONnT EXPERIMENT
with Andrea Mancuso, researcher INFN Bologna Division and University of Bologna, XENONnT experiment

INFN AT TRIESTENEXT
FROM 22 TO 24 SEPTEMBER, Trieste
The applications of particle physics for health, the discovery of the Higgs boson, the CTAO telescope: these are the topics of the talks INFN researchers will give at TriesteNext 2022. Find out more. (https://collisioni.infn.it/evento/infn-a-triestenext-2022/)
**22 - 24 SEPTEMBER, Piazza Unità d'Italia**

**ACTIVITIES ORGANIZED BY INFN AND INAF**

Interactive science workshops for children and teens, spanning from virtual reality to coding and treasure hunts.

**23 SEPTEMBER, 3.00 - 4.15 P.M., Urban Center, Corso Camillo Benso Conte di Cavour, 2/2**

**THE CHERENKOV TELESCOPE ARRAY OBSERVATORY: EYES ON THE MOST EXTREME UNIVERSE**

With **Carla Aramo**, INFN researcher, **Francesco Longo**, professor at the University of Trieste and INFN researcher, **Roberta Zanin**, project scientist at the Cherenkov Telescope Array Observatory (CTAO). **Giacomo Principe**, researcher at the University of Trieste. *The event will be held in English.*

**24 SEPTEMBER, 10.00 - 11.15 A.M., Autonomous Region of Friuli-Venezia Giulia, Piazza Unità d'Italia**

**PARTICLES FOR HEALTH**

with **Alberto Andrighetto**, researcher INFN Laboratori Nazionali di Legnaro, **Silva Bortolussi**, researcher INFN, professor University of Pavia, **Pablo Cirrone**, researcher INFN Laboratori Nazionali del Sud, **Gaia Pupillo**, researcher INFN Laboratori Nazionali di Legnaro. **Enrico Fragiacomo**, researcher INFN Trieste. *The event will be held in English.*

**24 SEPTEMBER, 6.00 - 7.15 p.m., Talk Area, Piazza Giuseppe Verdi, Trieste**

**THE HIGGS BOSON AND THE FRONTIERS OF THE UNIVERSE**

with **Guido Tonelli**, researcher CERN and INFN, professor emeritus University of Pisa, **Giancarlo Panizzo**, researcher in Physics University of Udine, and **Giulia Sorrentino**, PhD student University of Trieste. **Marina Cobal**, researcher INFN and CERN, professor emeritus University of Udine.

#70INFN

The celebrations for the 70th anniversary of the foundation of INFN come to a close: the last event will be held in Turin within the scope of the presentation of the Three-Year Business Plan.

**26-29 SEPTEMBER, Teatro Colosseo, Turin**

**STUDY DAYS ON THE INFN THREE-YEAR PLAN**

Organized by the Office of the President of INFN and INFN Turin Division. Find out more. ([https://70.infn.it/evento/giornate-di-studio-sul-piano-triennale-infn/](https://70.infn.it/evento/giornate-di-studio-sul-piano-triennale-infn/))

**INFN AT THE EUROPEAN RESEARCHERS’ NIGHT 2022**

**30 SEPTEMBER 2022**

As usual, INFN Laboratories, Divisions and Related Groups will be taking part in the European Researchers’ Night, with meetings and workshops in many cities across Italy. Find out more. ([https://www.nottedeiricercatori.it/](https://www.nottedeiricercatori.it/))
HIGGS10

The events organised by INFN Sections and the ATLAS and CMS collaborations to celebrate the 10th anniversary of the discovery of the Higgs boson continue.

26 SEPTEMBER, 9.00 P.M., Cinema La Compagnia, Via Camillo Cavour, Florence
THE NEW WORLD BEHIND THE DISCOVERY: FUTURE SCENARIOS FOR UNDERSTANDING THE UNIVERSE
Organised by the University of Florence, the INFN Florence Division, and the CMS Italy Collaboration. Find out more. (https://higgs10.infn.it/evento/il-nuovo-mondo-dietro-la-scoperta/)

29 SEPTEMBER, 3.00 P.M., Aula Amaldi, Department of Physics Sapienza University of Rome
HIGGS&FIGS: WHAT WE STILL NEED TO UNDERSTAND TEN YEARS AFTER THE DISCOVERY OF THE HIGGS BOSON
Organised by the INFN Rome Division and the Physics Department of Sapienza University of Rome. Find out more. (https://higgs10.infn.it/evento/higgsfichi/)

30 SEPTEMBER, 9.30 A.M - 2.50 P.M., Aula Grassano, Department of Physics University of Rome Tor Vergata
THE MISSING LINK. 10 YEARS SINCE THE DISCOVERY OF THE HIGGS BOSON
Organised by the ATLAS group of the University of Rome Tor Vergata and INFN Rome Tor Vergata Division. Find out more. (https://higgs10.infn.it/evento/lanello-mancante/)