



NEWS



European Commission



H2020-MSCA-RISE-2016 - Grant Agreement N° 734303



POLITECNICO MILANO 1863

EGO - Virgo



UNIVERSITÀ DI PISA



Stockholm University



UNIVERSITÀ DEGLI STUDI DI GENOVA



SAPIENZA UNIVERSITÀ DI ROMA



Dissemination and Outreach

Francesco Cottone, Carmela Luongo, Chiara Oppedisano

WP-9 Co-Leaders



Fermilab-Unipi Summer School Seminars



Seminars by
C-L. Sotiropoulou
C. Luongo
S. Citraro
E. Pedreschi

July 25, 2017, 9:30 am, Department of Physics, UNIPI

Seminars

Seminars on technology applied to particle physics, astro-particle and medical physics research given by INFN researchers

- ❖ Dr. Saverio Citrario: "Digital Electronics techniques for physics experiments in space"
- ❖ Dr. Carmela Luongo: "Application of commercial Graphics Processor Units (GPU) to image reconstruction in Medical Physics"
- ❖ Dr. Elena Pedreschi: "Digital Electronics techniques for physics experiments at accelerators"
- ❖ Dr. Calliope-Louisa Sotiropoulou: "Pattern Matching: from High Energy Physics to Image Processing"

Masterclass

Fermi Masterclass (April 2017)



High-school students exploring astroparticle physics in a full day activity.

Lessons giving basic insights about gamma astronomy and the Fermi telescope followed by the analysis of real data from Fermi experiment.

Like in an international research collaboration, the participants then discuss their results and findings with students from other universities (Bari, Perugia, Trieste, Nova Gorica).

Event web page: <https://agenda.infn.it/conferenceDisplay.py?confId=13148>

General public event

CERN social event “Blazing Quasi- Stellar Object” (29 March 2017)

Lecture performance by artist Luca Pozzi

Public scientific, outreach and art project designed to promote scientific and cultural collaboration with CERN users interested in learning more about the LAT, one of the instruments aboard the Fermi Gamma-ray Space Telescope.

Event web page: <https://indico.cern.ch/event/598262/contributions/2535509/>

Press release: https://indico.cern.ch/event/598262/contributions/2535509/attachments/1440148/2243368/BQSO_press_review.pdf

Recorded event: <https://cds.cern.ch/record/2258204>



General public event



European Researchers' Night (29 September 2017)

Europe-wide public event dedicated to popular science and fun learning.

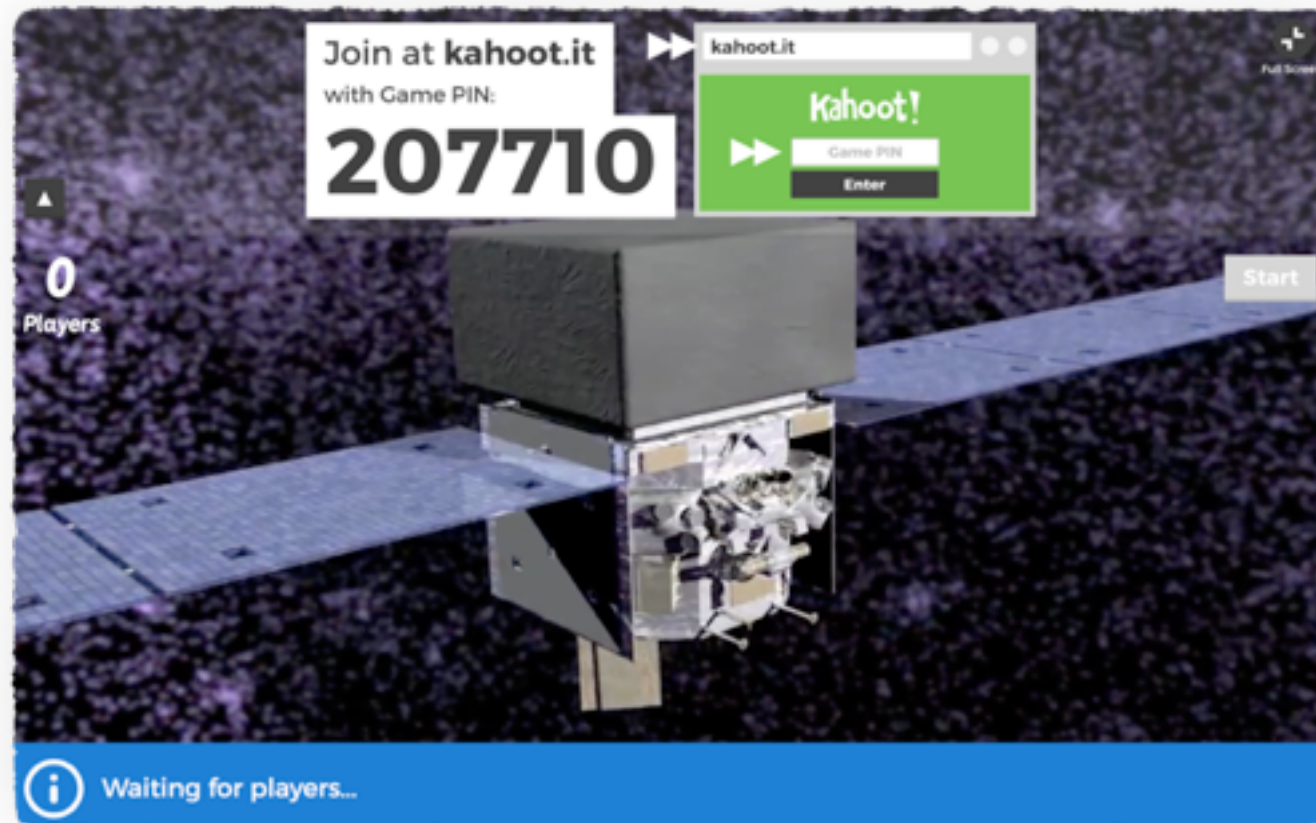
[INFN Sezione di Torino](#) and the [Physics Department](#) of Torino University will contribute to the event organized in Torino, in collaboration with [Planetario di Torino](#) and [Osservatorio Astronomico di Pino Torinese](#)

This year the activities and the experiments that will be presented to the the public will focus on astroparticle physics.

General public event



* [Kahoot](#) game about Fermi for the public on cosmic rays detection



General public event

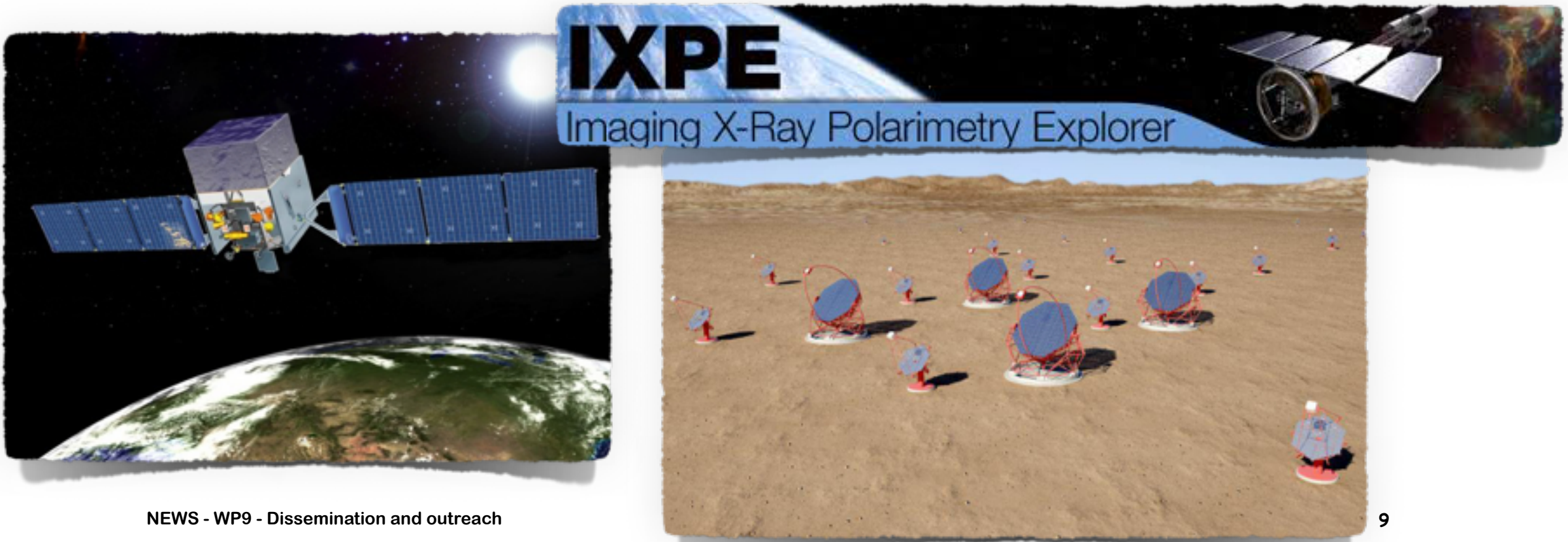


- * Game for kids: they will be asked to answer very basic questions about gravity, space travels and International Space Station in competition with other teams. In the end all the teams can take a picture behind the profile of a NASA astronaut with the kid faces
- * Cosmic ray shower: people will go inside a cabin and can visualise cosmic ray tracks through a series of LED that will lighten when the “shower” is crossed by a charged particle
- * Aurora polaris: people will be able to generate an aurora in a small experimental apparatus



General public event

- * Exhibit about Fermi, CTA, Auger and IXPE experiments with videos, posters and samples of FERMI detectors and INFN researchers to answer people questions



Outreach activities



SHARPER - September 2017

Sharing Researchers' Passion for Engagement and Responsibility

www.sharper-night.eu

The European Reserachers' Night

supported by the European Commission MSC Actions - G.A. 722981

Involving in two years (2016-2017):

5 cities

7 consortium members

70 Cultural partners (research institutions, citizens associations, enterprises, museums, municipalities and other

60.000 visitors in 2016 (family groups, students, citizens at large)

500 Early career researchers actively involved to deliver communication actions



Outreach collaborations – (UNIPG)



collaborations developed
in 2015 and 2016



The Einstein's Island www.isoladieinstein.eu
International Science shows festival
Polvese Island – Umbria region Central Italy
12.000 visitors from allover Italy
during the first week-end of September
Presentation of a science show on gravitational waves



Fosforo www.fosforo.it
Science Festival
Senigallia – Le Marche region Central Italy
10.000 visitors in one week of events
Presentation of a science talk-show on
gravitational waves

Outreach activities

Meeting a Nobel Prize

Un giorno con il Nobel
Dai neutrini alle onde gravitazionali

PERUGIA
13 Febbraio
2017

Incontro con
il Premio Nobel
per la Fisica 2015
Takaaki KAJITA

11 ORE
CONFERIMENTO LAUREA HONORIS CAUSA A TAKAAKI KAJITA*
Aula Magna - Palazzo Murena - Piazza dell'Università, 1
*Per informazioni e prenotazioni gruppi scolastici Tel: 075/5852014

LAUDATIO ACADEMICA
Helios Vocca - Dipartimento di Fisica e Geologia ed esperimento Virgo

LECTIO MAGISTRALIS
Takaaki Kajita - Premio Nobel per la Fisica 2015
"La scoperta della massa dei neutrini a Kamiooka"
in inglese

CONFERIMENTO LAUREA

18 ORE
SALUTI INTRODUTTIVI
Sala dei Notari
Andrea Ronzani - Sindaco di Perugia
Franco Moriconi - Rettore Università degli Studi di Perugia

LECTIO MAGISTRALIS
Takaaki Kajita - Premio Nobel per la Fisica 2015
"Le onde gravitazionali e la nuova astrofisica"
in inglese con traduzione simultanea

Università degli Studi di Perugia
Consiglio di Amministrazione
INFN

Two events in one day
13 February 2017

700 visitors
(students from secondary schools and general public)

City of Perugia

Outreach activities



Gubbio Scienza – July 2017

Science Festival and International Conference on ICT and Sustainability

2000 visitors in 10 days

Waves Hunters

Science Show performed on one of the main square
of the city

200 visitors



Outreach activities



Wave hunters: surfing space-time waves

SHARPER in Bruxelles

Boot at Parlamentarium in Bruxelles - September
2017

(http://ec.europa.eu/research/mariecurieactions/science-is-wonderful_en)

A science Communicator and a Researcher presenting the Gravitational Waves science through interactive demos at EU parliament

Science Communicator – Massimiliano Trevisan, Psiquadro social enterprise for science communication

Researchers – Prof. Helios Vocca University of Perugia – Virgo group Leader