

# PONYS

## Physics and Optics Naples Young Students Activities 2014/2015

Legend

-  Outreach
-  Networking
-  Professional Development

### Blackout



How to celebrate the IYL 2015 in a very special way? Let's shoot a short movie: Blackout.

We all hate when someone spoil us the new «Game of Thrones» episode so we won't say anything. But we can leak that we had a lot of fun and it will be legend-wait for it-ary!! The short movie will be released on mid-june.

### Coffee and Lab



When you are a student, you are "all work and no play" but with a spoonful of sugar the seminar goes down. So cakes and coffee for everyone while giving a ear to research opportunities in our departments.

### Mathematica course



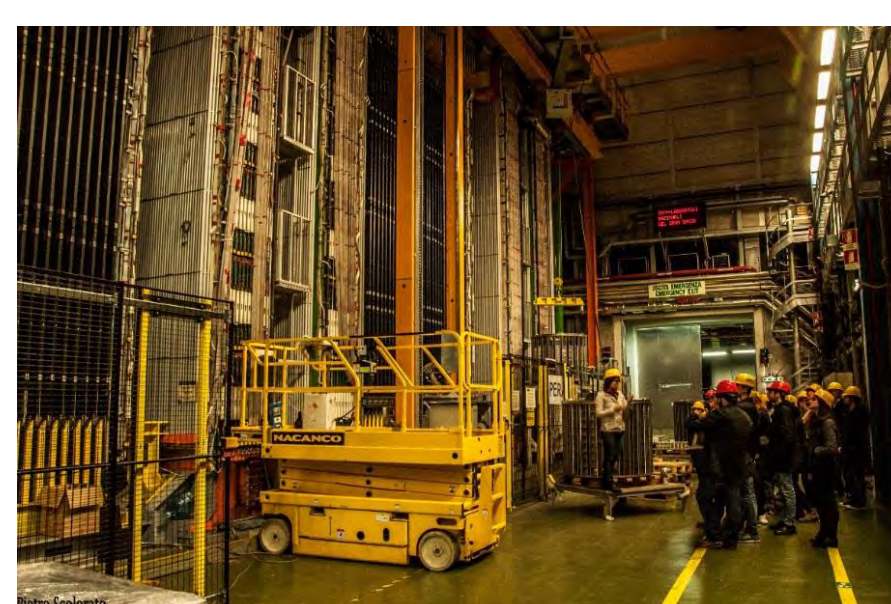
Our group organized a free Wolfram Mathematica 9 course with an official Adalta teacher. The course was free for all the students and PhD students who wanted to improve their abilities with this software. 20 students had the opportunity to study the Mathematica course, and add to their curricula new skills.

### Visit to Gran Sasso-LNGS



The Gran Sasso National Laboratory (LNGS) is the largest underground laboratory in the world for experiments in particle physics, particle astrophysics and nuclear astrophysics.

Every student is curious about this huge underground laboratory, so with the help of our advisor, professor Paolo Strolin, and of INFN we organized this visit.



### YM in Duo



The first goal of this activity was recruitment. We tried to increase the number of the Section Members using a friendly and interactive format: a jazz concert performed by students of Federico II University of Naples on the roof of our department.

### Physics's got Talent



Our group organized a competition for high school students, who were asked to realize a short video showing an experiment about any field of physics. A group of professors of our department judged the videos and elected the winners between 11 videos made by 10 different schools. The winners was awarded with medals and didactic kits for their schools.



On 2015-04-25 a massive 7.8 earthquake in Nepal shattered hundreds of thousands of people's lives and a second 5.0 earthquake followed on 2015-05-12. Homes and buildings were reduced to rubble by the worst quake to hit the region in 80 years. The Napoli chapter organized a charity lunch to help Nepalese population and all the funding was given to Asia ONLUS, a charity organization working in that zone. We collected **1470 euro!** Let's make a note here: huge success!



### Passione Fisica



Passione Fisica was born three years ago after an arson destroyed part of "Città della Scienza" buildings (a very important museum of Naples and actually is included into the list of "NGOs in official relation" with UNESCO). We were all shaken by what happened so we thought about a way to react... And the best reaction to presumption and "ignorance" is knowledge. So in order to incline people towards science and in particular physics we decide to make learning more like pleasure than duty. Thanks to students' passion (80 volunteers) we manage to create a big interactive exposition that covered a bunch of different physics field. About 1000 persons visited and enjoyed Passione Fisica.



### Coming soon

- ✓ Co-organization of the PIQUE Quantum Optics Summer School, 6-10 July 2015, Rome.
- ✓ Organization of the first "Young Session" at the National Congress of the Italian Physical Society (SIF)
- ✓ "Optics Fair" in the framework of the IYL2015 activities
- ✓ "Physics without frontiers" for the Futuro Remoto Science Festival
- ✓ Nature Photonics editor seminar

### Contact

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