

¿SUPERPODERES... o FÍSICA? (THE POWER OF PHYSICS)

The aim of this activity is to demystify some of the most common beliefs of the pseudo-science. We explain some 'paranormal' tricks or "superpowers" by physical laws.



Levitation
Electromagnetic power
super strength
Pain control
powerful mind
Fire control

video

Date (Place): 26/03/2015 (Science Museum of Valladolid), 24/4/2015 (Barcial de la Loma, Valladolid), 16/05/2015 (Íscar, Valladolid), and 30/05/2015 (Dinosaur Museum, Salas de los Infantes, Burgos).

Total Audience: > 1000 viewers.

Target: General public.

UN PASEO POR EL CIELO (A WALK THROUGH THE SKY)

Six different workshops related to the Earth and Space:

- Atmosphere
- Gravity
- Rocket Launch
- Light and Color
- Atmospheric Pressure
- Solar Observation



Date: 24-25/03/2015. **Total Audience:** > 300 participants.

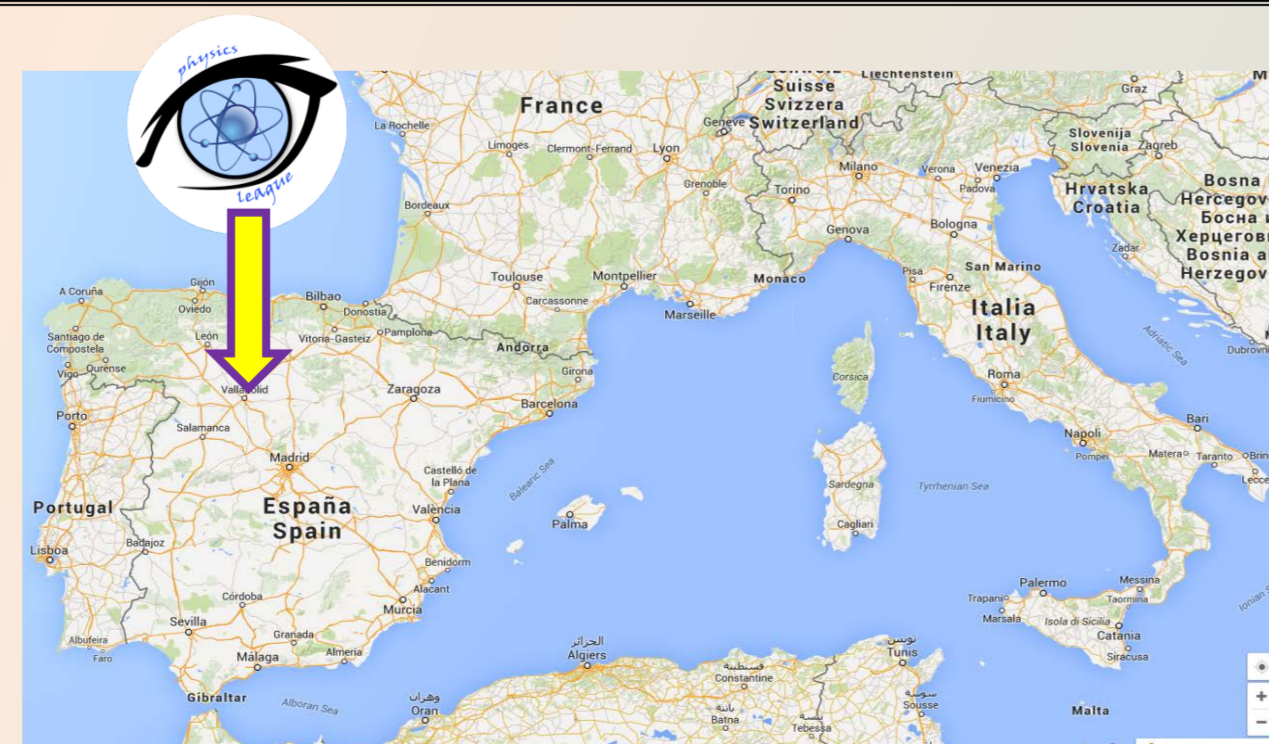
Target: Elementary school students.

Place: Colegio José y María/Vedruna, Valladolid.



YM Valladolid section

- José Hernández (President) - Physics student
- Daniel Revilla (Vicepresident) - Physics student
- Luis Sánchez-Tejerina (Secretary) – Ph.D. student
- Sara García (Treasurer) - Physics student
- David Mateos – Post-doc
- Beatriz González – Ph.D. student
- Verónica González – Ph.D. student
- Laura Ares – Physics student
- Mónica Vara – Physics student
- Verónica Villa - Physics student
- Alejandro Gloriani - Ph.D. student
- María T. Belmonte - Ph.D. student
- Diego González - Ph.D. student



Physics League

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GAME OF PHYSICS

Three workshops focused on Thermodynamics, Optics, and Electromagnetism are set in the houses Targaryen and Baratheon and 'Beyond the wall', respectively. The successful TV-series "Game of Thrones" is an attractive environment for learning Physics.

Dates: 13-14/11/2014 and 12-13/03/2015

Total Audience: > 400 participants.

Target: High school students.

Place: Science Faculty (University of Valladolid), Valladolid.




Leidenfrost effect **Water phase diagram** **Thermodynamics**
Bernoulli's principle
Atmospheric pressure **Dry ice** **Optics**
Luminescence **Cloaking effect**
Polarization **Optical illusions**
Electrostatic field **Electromagnetism**
Magnetic field **Plasma lamp** **Magnetic levitation** **Joule heating**

FÍSICA PARA JUGAR

(PHYSICS TO PLAY)

Show for the general public in order to approach Physics to their daily lives:

- The air exits
- Electricity
- Pendulum and clocks
- Equilibrium

Date: 26/09/2014 (European Researchers' Night)

Place: Science Museum of Valladolid.

Total Audience: >500 viewers.

Target: General public.



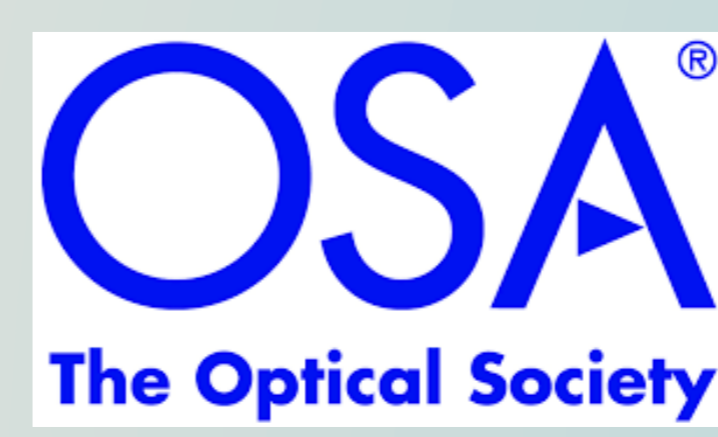
Acknowledgements



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"Movie Physics" project



Physics League OSA student chapter

