

# PhysicsPhactory



**Rafael Garcia-Molina**  
 Departamento de Física  
 Universidad de Murcia  
 Murcia, Spain

rgm@um.es

<http://bohr.fcu.um.es/miembros/rgm>

(with *Ph*, like *Phun*)



The Physics' Minstrels is a group of selected students that occasionally collaborate for setting up and show the scientific activities

**PhysicsPhactory is a project to spread science interest among citizens, students...**

**We do Recreational Physics activities (modules, experiments, physics shows...) in science fairs, science weeks, educational institutions... The following pictures illustrate some of our modules and activities.**



Giant bubbles



Flying mirror



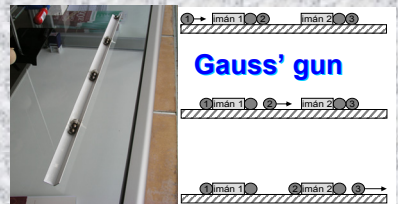
To sit or not to sit



Multiple reflection



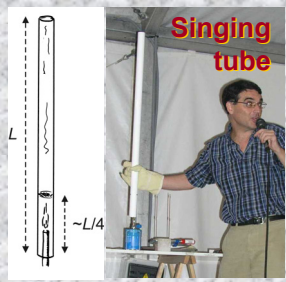
Black body



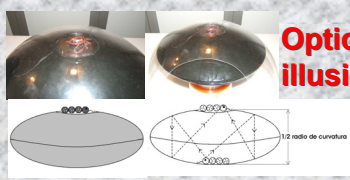
Gauss' gun



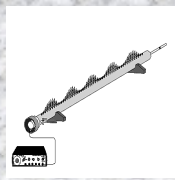
Balloon explosion with a flash



Singing tube



Optical illusion



Dancing flames



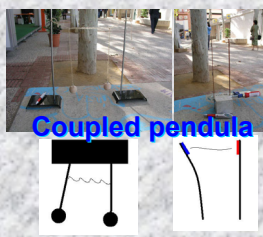
Bed of nails



Brachistochrone



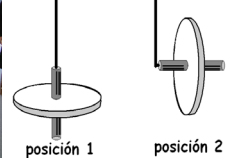
Piercing a water bag



Coupled pendula



Antigravitational wheel



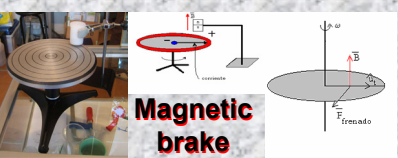
Physics is Phun



Talking head



Fig. 44.



Magnetic brake