

The Rino Foundation

Building a new show

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Overview

- The Rino Foundation
- The new show

The Rino Foundation is...

- A physics show from Leiden (NL)
- Located at Leiden University
- Goal: popularization of physics
- Goal: outstanding science communication

The Rino Foundation is...

- ‘Freezing Physics’
 - Show with LN2
- Shows on secondary schools (12-18 yrs old)
 - Mostly for lower classes (12-15 yrs old)
- 25.000 visitors a year
- Stretching our capacity

The Rino Foundation is...

- Volunteers: 50 physics students

A show is...

- A demonstration
- A set of experiments
 - Linked together in a logical way
- Performed on a secondary school



A show is...

- Based upon one theme
- A story based on a script
- Supported by a Powerpoint presentation



A volunteer is...

- An average physics student
- Just out of secondary school
- Position open to anyone
- Learning as they go
- Supported in many ways

The new show

Fast Forward Physics

*De nieuwe show van stichting
Rino*

Why we want to do this

- Diversity
- Flexibility
- To make better use of our capacity
- Keeps volunteers interested

FFF: the idea

- What is physics about?
 - Electricity
 - Light
 - Sound
 - Movement
 - Magnetism
 - Radiation
 - Force
 - Pressure

FFF: the idea

- Physics is not a disjunctive set of subjects
- Attempt to unify the different subjects
- Demonstrate physics 'as a whole'

FFF: what we're looking for

- Spectacular experiments
- Interactive experiments
- Links between different subjects
- A script and Powerpoint
- One theme
- Links to current research in physics

FFF: Rubens' Flame Tube

- Links two subjects: pressure and sound

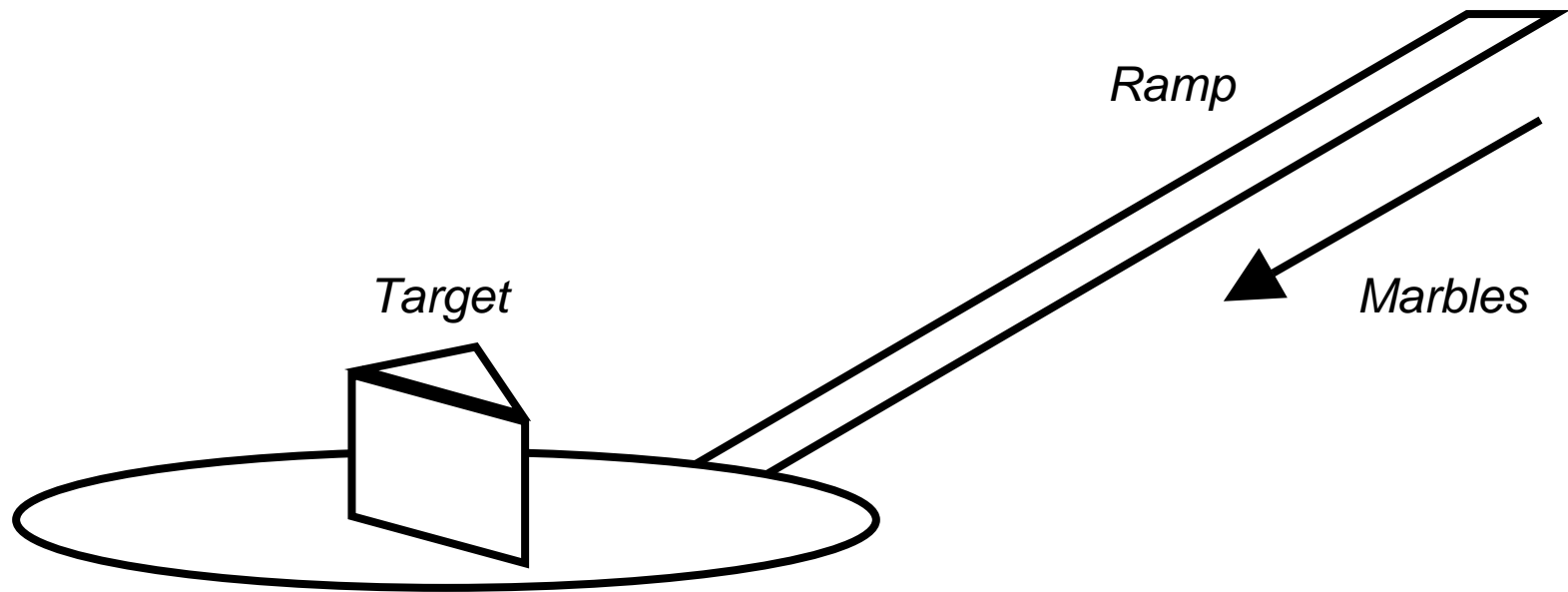


FFF: electrocuted pickle

- Links electricity, light and quantum mechanics
- Connects classical with modern physics

FFF: TeV Particle accelerator

- Link to current research



FFF: Human Electric Wire

- Interactive



Thank you for your attention



RINO

Show Physics Tartu, Estonia - April 8, 2008, The Rino Foundation