

S'Cool LAB



Framework – S’Cool LAB



200 m² modular laboratory space in 143-R-003, with the goal to make CERN's physics and technologies understandable for students. Our offer for school groups (age group 16-19): 1-day programme at CERN including visits in the morning and hands-on experiments in the afternoon

<http://cern.ch/s-cool-lab>

HST Working group 1

Experiment development - Acceleration

Motivation

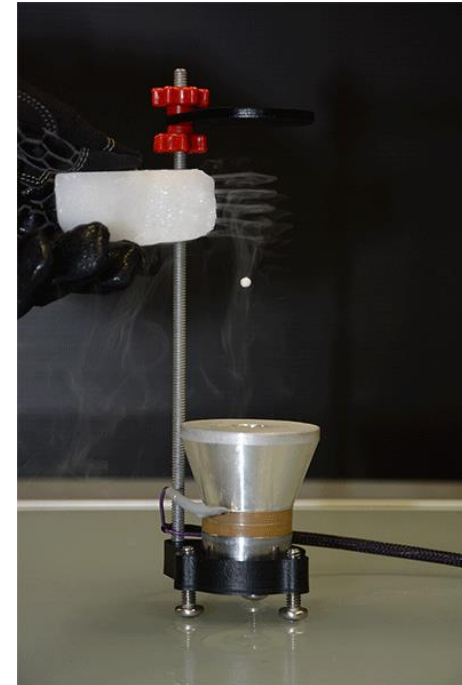
- Make particle physics understandable for students by hands-on experiments
- Bring particle physics into the classroom
- Develop experiments affordable for the majority of schools

Demonstration experiments for acceleration

Idea for mechanical model:



Idea for acoustical model:



You can have a look: [here](#)

Goals

- Build prototypes and study the experiment
- document the construction process (DIY Manual)
- propose a concept of how to integrate this experiment in the classroom taking into account students' conceptions
- Find out advantages and disadvantages of the demonstration experiments (compare both models)

Questions?

