

Outreach Activities

Subatomic Physics

This school is for Bachelor students to help recruit to our Master programs

Department of Physics and Technology, University of Bergen

Science Fair

A yearly national science festival aimed towards elementary school and general public:

In 2009 we participated with the following activities :

- Research project for elementary schools (~ 12 year olds) about Dark Matter
- Science market in the town square



Mini-Winterschool

This school is a yearly event and started in 2007.

It is organised by the subatomic group for Bachelor students (PHYS115) to help recruit to our Masters program

Lectures mostly by CERN physicists and invited speakers, visits to the experiments

In 2008 we made a joint school with students from UiO and NTNU

The first school was described in the CERN courier.



<http://folk.uib.no/hsa061/Winterskole/index.html>

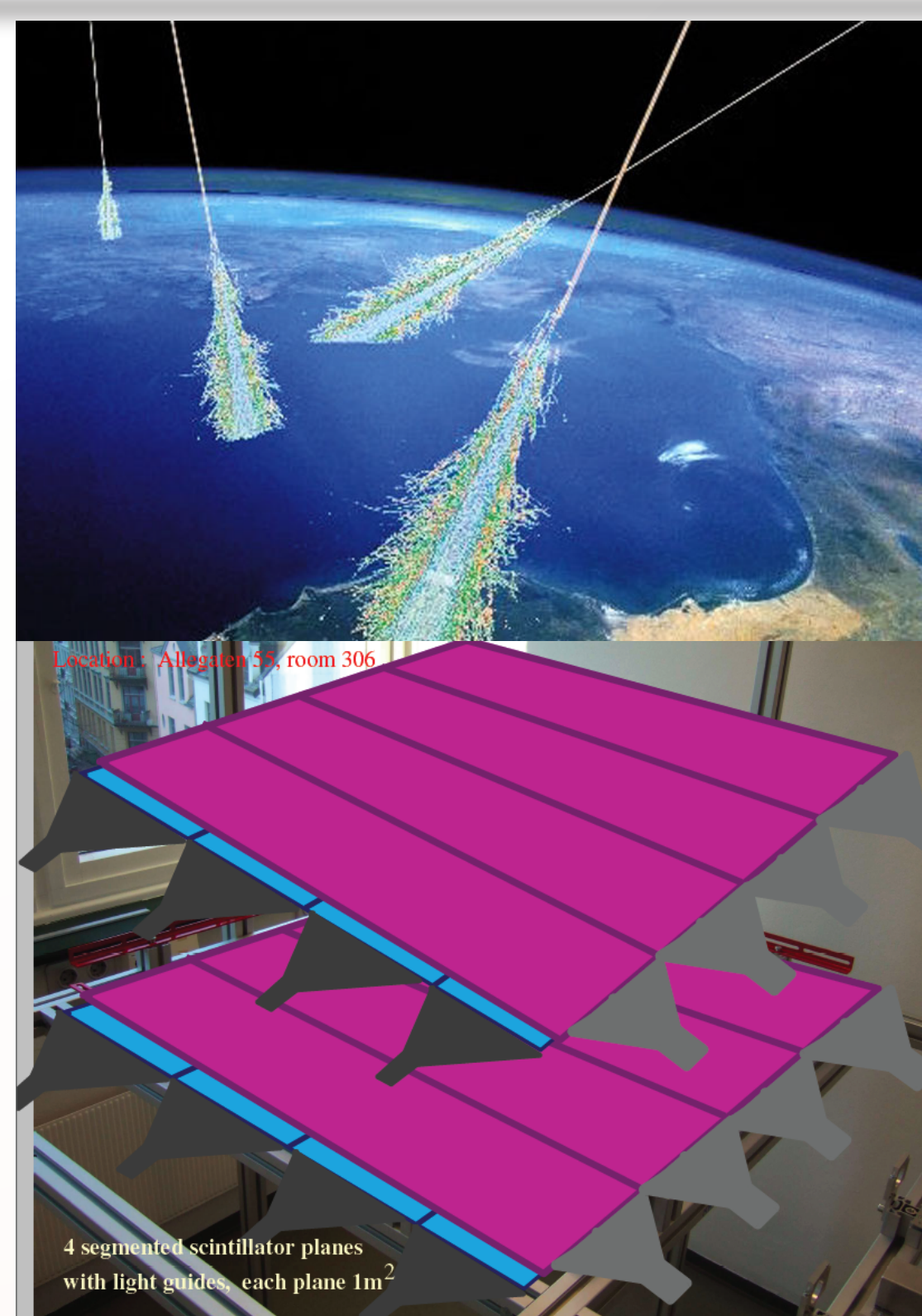
Muon Chamber

Master students and engineers at UiB have built a muon chamber to look at cosmic muons:

- 4 scintillator planes ~ 1m2
- Installed and operational
- Some fine tuning still needed
- Envisaged school project early 2010

The idea is that high school students can :
- Learn about cosmic rays / particle physics
- Do simple experiments and measurements (e.g. muon flux, direction, lifetime)

The system could also look for ultrahigh cosmic rays and be connected with other similar muon school projects in Europe



Master Classes

One of the biggest yearly events in Oslo and Bergen a part from the science fair.

1-1/2 day organised from our side:

- Lectures
- Exercise
- Evo discussion

High school students travel to the institutes to participate

Very popular among the high school students !

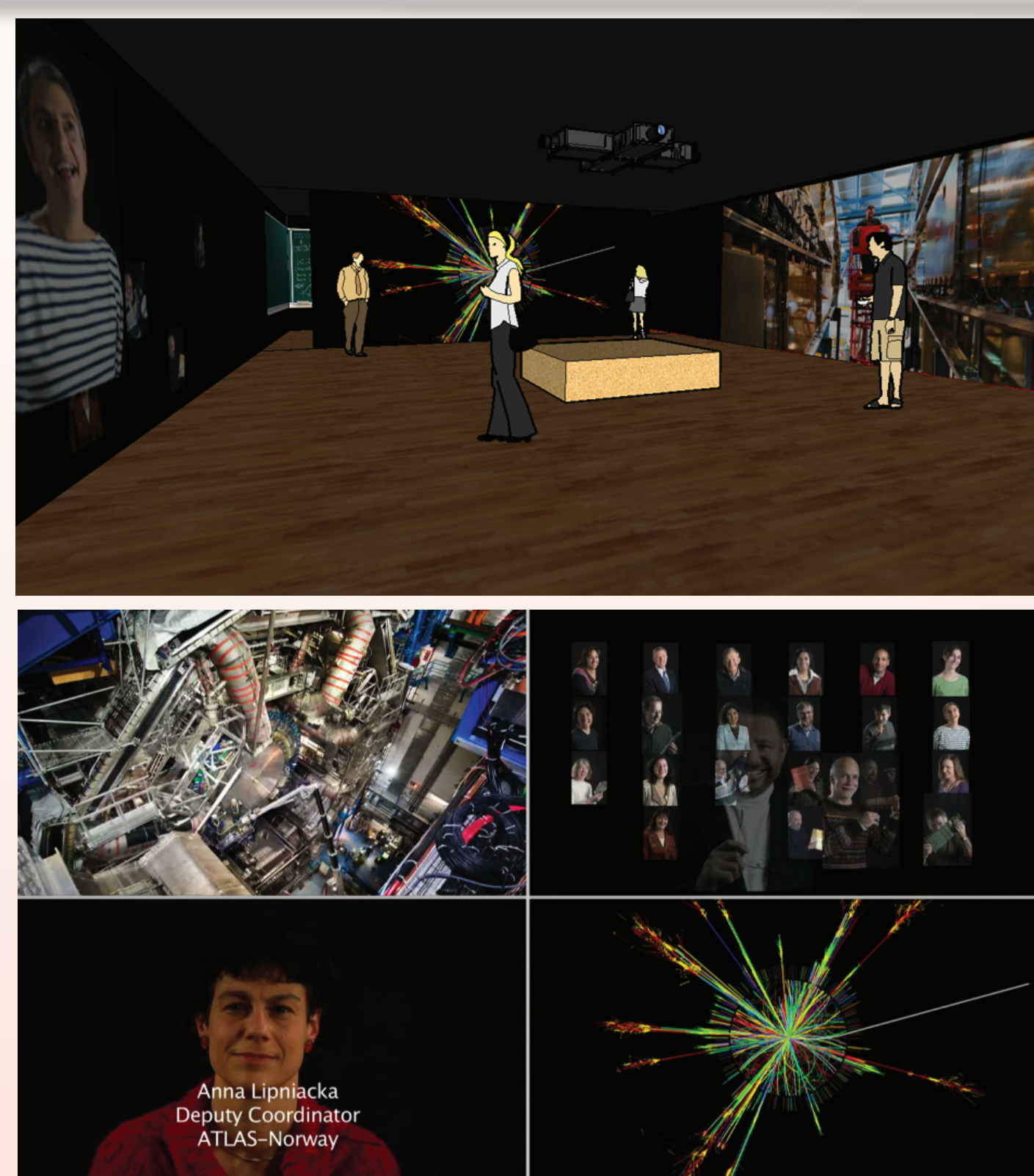
Other activities

- Talks for students (På vei)
- Talks and lectures for high school teachers
- Invited lectures (e.g. Iceland, ...)
- ...

Future Activities

We are working on setting up a museum exhibition at the Natural science museum in collaboration with the ATLAS photographer

First school project with the muon chamber in 2010



Visits to CERN

In 2008 we had 5 high schools visiting as well as teachers from Agder

- More than 100 visitors

In 2009 already we have had 5 high school visiting as well as teachers

- More than 250 visitors

The visitors comes from all over the countries and the high school visits are often a yearly event !



<http://indico.cern.ch/categoryDisplay.py?categId=1674>

Media

The last year the media interest have been quite large, especially because of the LHC startup:

- Newspapers
- TV
- Radio

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