

**Title:** Detectors

**Lecturer:** Mr. ULLALAND, O

**Date and Times:** 16th July at 11:15  
19<sup>th</sup> July at 10:15  
19<sup>th</sup> July at 11:15  
20<sup>th</sup> July at 10:15  
21<sup>st</sup> July at 11:15

### **Summary of the proposed talk**

This lecture series on detectors, will give a general, although somewhat compressed, introduction to particle interaction with matter and magnetic fields. Tracking detectors and calorimeters will also be covered as well as particle identification systems. The lectures will start out with a short review of particle interaction with fields and then we will discuss particle detection. At the end some common composite detection systems will be described..

### **Prerequisite knowledge and references:**

non

## **Biography**

### **Mr. Olav Ullaland**

He studied at University of Bergen and started as fellow at CERN in 1973 and then became permanent staff.

He worked at the Split Field Magnet Detector at the Intersecting Storage Rings with the first multi wire proportional chambers.

He Went on to LEP and DELPHI where the main work was on electromagnetic calorimeters and Ring Imaging Cherenkov detectors for particle identification.

He is now in LHCb for LHC.