

# Preparations for the High Luminosity Upgrade of the LHC in ATLAS.

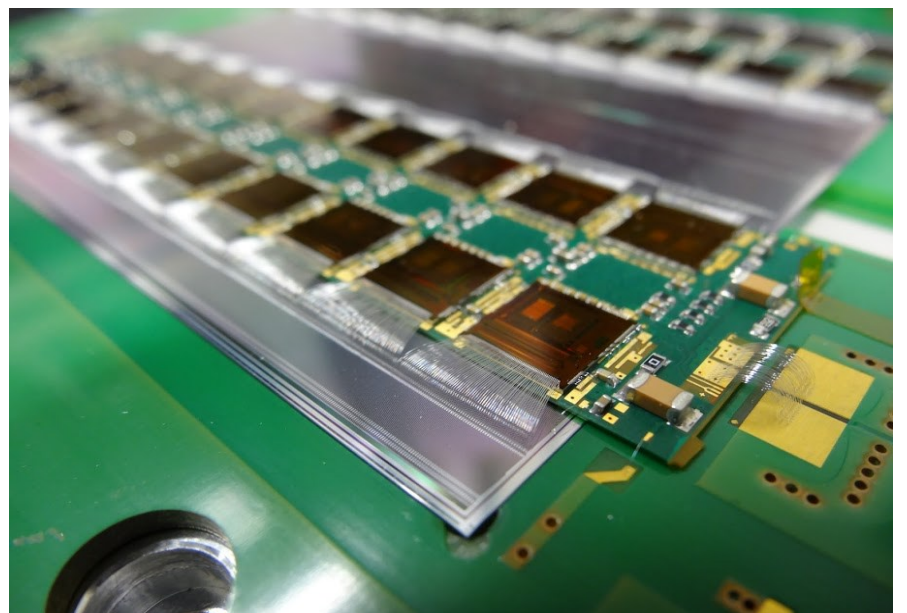
**Ingo Bloch (DESY)**

**Tuesday, 04 March 2014**

**16:45 h, bldg. 1b, sem. room 4a/b**

Striving to observe rare processes, such as those involving very high mass particles, sets the scale for the planned High Luminosity LHC (HL-LHC) Upgrade in 2024.

This modification of the LHC is planned to provide ten times the amount of data as recorded before. The HL-LHC environment will be a significant challenge for the detectors – they will have to handle an average of 140 secondary collisions accompanying the main collision, as well as unprecedented levels of radiation exposure. DESY takes a leading role in the current planning and developments for the ATLAS experiment to handle these conditions – an overview of which is given here.



**Coffee, tea and cookies will be served at 16:30h**

**After the seminar there is a chance for private discussions with the speaker over wine and pretzels**