Antonio Miucci: Lesson Learned in ATLAS IBL project

- Insertable B-layer, inserted in May 2014 in ATLAS
  - IBL is sitting at 33mm from the beam line
  - 14 staves, full azimuthal hermeticity
  - IBL is ready for the second run of ATLAS data-taking starting in June 2015

- During the IBL production some issue has been addressed and solved
Antonio Miucci: Lesson Learned in ATLAS IBL project

• Issues met and solved during the IBL project
  - Wire-bonds oscillations in Magnetic fiels
    ‣ fixed frequency trigger veto implemented in DAQ
  - Wire-bonds corrosion
    ‣ revision of the quality assurance setups
  - Failure in bump bonding procedure
    ‣ change of the solder flux
  - Poor yield in the modules production
    ‣ Implementation of IV measurements at the probe station