

Vertex 2010



Sunday 6 June 2010 - Friday 11 June 2010

The Lodge on Loch Lomond

Scientific Programme

The workshop will review recent progress on silicon based vertex detectors and underlying technologies.

Future Directions

Discussions on critical challenges for the future of semiconductor detectors in particle physics experiments.

Welcome & Introduction

Welcome & Introduction to the Vertex 2010 conference.

LHC Vertex Detector Performance

Session on LHC based silicon vertex and tracking detectors.

Tracking, Vertexing, Alignment

Discussion on the physics performance of the LHC detectors and their tracking, vertexing and alignment performance.

Radiation Hardness

Session on the latest results on radiation hardness in semiconductor detectors.

Non-HEP Applications

Applications of silicon detectors outwith particle physics, including synchrotrons, medical and security applications.

Post-processing & 3D Integration

Reviews the progress in the field of 3D integration and post-processing techniques as applicable for particle physics tracking and vertex detectors.

LHC Upgrades & New Detectors

The plans for vertexing and tracking with semiconductor detectors at a range of new and proposed facilities, including the LHC experiment upgrades.

Trigger

A session dedicated to experience with triggering in initial LHC operations, and track and vertex triggering scenarios for the LHC experiment upgrades.

Summary

Summary and closing remarks for the Vertex 2010 conference.