

UVic ATLAS group

Visit of Dr. Isabelle Wingerter-Seez
LAr Project Leader
11 March 2008

■ Group members

■ Graduate Students

- Xander Baker, Frank Berghaus, Lorraine Courneyea, Tayfun Ince, Michael Jarrett, Jean-Raphael Lessard, Allan Stewart, Ryan Taylor, Dan Vanderster

– degrees awarded: 2 Ph.D. (O'Neil, Dobbs), 8 M.Sc.

■ Research and computing staff

- Ashok Agarwal, Kyle Fransham, Ian Gable, Howard Peng, Paul Poffenberger

■ Research Associates

- Swagato Banerjee, Margret Fincke, Damir Lelas, Rolf Seuster

■ TRIUMF staff

- Paul Birney, Lorraine Charron, Roy Langstaff, Mark Lenckowski, Alisa Preston

■ Faculty

- Justin Albert, Alan Astbury, Richard Keeler, Bob Kowalewski, Michel Lefebvre (PI 92-03), Rob McPherson (IPP, PI 03-), Randy Sobie (IPP)

UVic ATLAS group

- Since 1991!
- Close collaboration with TRIUMF
 - Activities focus on LAr calorimetry
 - 1991-1995: accordion EM calorimeter
 - since 1996: HEC
 - 1996-2003: endcap cryostat feedthroughs
 - but not only!
 - ATLAS upgrades
 - Computing, simulation, offline commissioning
 - Trigger activities
 - Detector Control System
 - Data Quality

Leadership roles

- Founding Spokesperson of ATLAS-Canada (Lefebvre, 1992-94)
- Hadronic Endcap Calorimeter Chief Engineer (Hodges, 1996-00)
- LAr HEC Beam Test Software Coordinator (Lefebvre, 1997-02)
- LAr Cryostat and Cryogenics Steering Committee (Hodges, 1997-00; Lefebvre, 1997-03)
- Endcap Signal Feedthrough Project Leader (Lefebvre, 1997-?)
- Advisory Committee to the Collaboration Board (Lefebvre, 1998-99)
- ATLAS-Canada Co-Spokesperson (Keeler, 1998-99)
- Canadian Rep on the Intl Computing Board (Sobie, 1999-2004)
- LAr Database Coordinator (Sobie, 2000-02)
- LAr HEC wheel Installation Manager at CERN (Langstaff, 2001-2005)
- LAr Detector Control System Coordinator (McPherson, 2002-2005)
- LAr Beam Test Software Coordinator (McPherson, 2002-?)
- ATLAS Offline Commissioning Coordinator (McPherson, 2004-?)
- ATLAS Data Quality Coordinator (McPherson, 2006-)
- ATLAS-Canada Spokesperson (McPherson, 2007-)

Current activities

■ Physics interests

- signatures: jets, ETmiss
- detector issues: dead channel effect, hadronic calibration, jet energy scale, trigger studies
- SM physics
 - Drell-Yan e^+e^- production, pdf
 - Top physics, SM Higgs searches
- BSM physics
 - ETmiss based SUSY searches
 - quark compositeness
 - top-antitop resonances
- more new students... new projects!

Looking ahead

■ ATLAS Operations

- UVic ATLAS personnel keen to participate in the operation of ATLAS
- in particular LAr
 - LAr data quality
 - LAr monitoring
 - LAr calibration
 - etc.
- but also HLT, Computing,...

■ Continued activities in Physics working groups