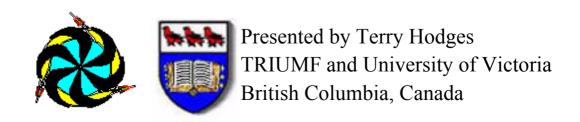
# Signal Feedthrough Progress Report

ATLAS LAr Week 22 September 98

- Pin Carriers
- FEA Update



# Pin Carrier Order for Prototypes at Victoria

#### Glasseal

- 3 out of 20 received by Sept 15th 1998
- all leak tested at room temperature

### • Pacific Coast Technologies

- 9 out of 10 received by Sept 15th 1998
- all leak tested at room temperature

#### Reminder on Costs

- Glasseal
  - 448 pins: US\$ 1455 each for 20 + US\$ 40 for Au
  - 512 pins: US\$ 1621 each for 20 + US\$ 47 for Au
  - 448 pins: US\$ 593 each for 500
  - 512 pins: US\$ 659 each for 500

#### • PCT

- 448 pins: US\$ 3872 each for 10 + US\$ 1400 for Au
- 512 pins: US\$ 3961 each for 10 + US\$ 1400 for Au
- 448 pins: US\$ 1997 each for 500 + US\$ 200 for Au
- 512 pins: US\$ 2027 each for 500 + US\$ 200 for Au

# Endcap Signal Feedthrough Project Canadian Responsibilities

- Design
- Fabrication
  - Signal Pigtails purchased from Orsay
  - Low Voltage Pigtails purchased from MPI
- Commissioning
- Transport
- Assistance during installation:
  - Cover the cost of an orbital cutter
  - Assistance during welding on the cryostat
  - Assistance for leak testing during installation
  - DC Electrical tests during the installation

## Endcap Signal Feedthrough Team

Paul Birney Senior Technologist, TRIUMF

Leak test station Assembly tooling

Margret Fincke Research Associate, Victoria

Electric test station

Vacuum cable development

Terry Hodges Chief Engineer, TRIUMF

Feedthrough unit design Finite element analysis

Aaron Dowling Junior Technologist, Victoria

Richard Keeler Faculty, Victoria

Test stations

Vacuum cable development

Roy Langstaff Senior Draftsman, TRIUMF

Feedthrough unit design Procurement issues

Michel Lefebvre Faculty, Victoria

Project leader

Mark Lenckowski Draftsman, TRIUMF

Ernie Neuheimer Research Scientist, CRPP Carleton

Vacuum cable development

Paul Poffenberger Production Manager, Victoria

Leak test station Vacuum system

Greg Vowles Junior Technologist, Victoria

On a consultant basis:

Randy Sobie Faculty, Victoria

DAQ