IBEX: BEAMLINE CONTROL AT ISIS PULSED NEUTRON AND MUON SOURCE


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7th October 2019

ICALEPCS, New York
Contents

- Introduction
- Architecture
- What IBEX Looks Like
- Development Practices
- Recent Developments/In Progress
- Future Plans
Where is ISIS?
Where is ISIS?
What does ISIS do?

- Pulsed Neutron and Muon Spallation Source
- 2 Experimental Halls
- 30+ Instruments
- In 2018 – 1085 Proposals, 870 Experiments, 500 Journal and Conference Papers
Interaction with Hardware

- Channel Access (Local Host)
  - Soft IOC
  - Soft IOC
  - ICP
  - LabVIEW VI
  - IOC
  - Hardware Component
  - Hardware Component
  - DAE

Instrument Hardware
Support Items
The IBEX GUI
Live View
Configuration Management
Development Practices

- Modified Agile/SCRUM
- Science Advisory Group
- Continuous Integration
- Test Framework
  - LeWIS

Poster WEPHA090 for more information
In progress

- Motion Control
- Reflectometry
- Datastreaming
- VHD Collection

Talk WEDPL03 for more information

Poster WEPHA091 for more information
Future plans

- Scripting Improvements
- Finish migrating instruments
- EPICS 7
- Phoebus
QUESTIONS?