

WAO'18: Workshop on Accelerator Operations



Contribution ID: 28

Type: **Software Demonstration**

Diamond Operations Simulator Demonstration

Wednesday, October 3, 2018 3:30 PM (1h 30m)

At the WAO2014 I presented the Operations Simulator software I have developed. The simulator provides a training and familiarisation platform for operators, students or visitors. Initially the simulator was developed to work on the main control room PCs, but this tied the 'users' to the main control room. To remove the control room ties the Simulator software (EPICS IOC, Cothread, and python scripts/guis) has been installed on a Raspberry PI2 (a small very inexpensive PC). This has allowed to the simulator to run standalone and be used anywhere. A side effect of running the entire simulator on the relatively low powered Raspberry PI2 has demonstrated that using Python for Operator interfaces is a perfectly acceptable alternative to CSS as EDM is phased out at Diamond.

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Track Classification: Operator-made tools and software