Web services workshop

3rd June 2019
Objectives:

- Current status of web applications to monitor and view live data in the epics community - remote collaboration
  - Charts to display live data
  - Mimics to be published to outside world (read-only)
- Current status of web applications to browse archive data
  - Navigate through the variables
  - Display metadata
  - Plot data over time
- Set-up a collaboration to build a good set of web applications that can be shared
Challenges

• Live data
  • Read-only
  • User shall be able to generate them according to his/her needs (e.g. Grafana)
  • Many plots in one windows with a decent performance for refresh and multi-user access
  • Requests should not impact the control system network
  • Browse over a huge list of variables with not necessarily the knowledge of the site naming scheme

• Mimics
  • Share same mimics as in control room (read-only)
  • Various ways depending if remote navigation is allowed
Presentation from various institutes

- ITER needs, Denis
- CEA, Katy
- PSI, Dirk
- LBNL, Robert
- J-PARC, Shuei
- DESY, Joerg
- Diamond, Tim
- Canadian Light Source, Mike
- ORNL/CSS team, Kay
- ESS, Control – Susanne/Beam Hinko
- STFC, Freddie