

WAO'18: Workshop on Accelerator Operations



Contribution ID: 64

Type: **Poster**

SOLEIL Beam Statistics and New Metrics

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

Synchrotron SOLEIL is the third generation French synchrotron light source. It has been in operation since 2007, providing photon beams to 29 beamlines with a maximum intensity of 500 mA, 5000 hours a year.

2017 has been the second best year for SOLEIL with 98.7 % beam availability (98.9% in 2015) and 92 hours “mean time between failures” (MTBF) (105h in 2015). The target remains 99 % beam availability and 100 h MTBF despite the forthcoming obsolescence and aging of the facility.

We generate statistics that allow us to measure the machine efficiency. We then need tools such as online applications to monitor these statistics at anytime from anywhere. DJANGO (Python web framework) has been used to develop dedicated web pages. Moreover, following the discussions within the community on common metrics to compare similar facilities together, we present in this poster how we generate and use these common metrics.

Primary authors: Mr DENIS, Yann (Synchrotron SOLEIL); TOURNIER, Clément (Synchrotron SOLEIL); Dr NADOLSKI, Laurent (synchrotron SOLEIL); Mr LAMARRE, Jean-François (Synchrotron SOLEIL)

Presenter: Mr DENIS, Yann (Synchrotron SOLEIL)

Session Classification: Poster Session & Software Demo

Track Classification: Operator-made tools and software