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Sustainability of the operation in the Synchrotron SOLEIL during the COVID-19 pandemic

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Synchrotron SOLEIL is the French third generation synchrotron light source in operation since 2007, providing photon beams to 29 beamlines with a maximum intensity of 500 mA, 5000 hours a year. On March 16, 2020, the activity of the site had to stop because of the national lockdown related to the COVID-19 pandemic. It resumed progressively from May 11, 2020 with a shortened two-week machine shutdown restricted to priority maintenance. The beam restarted, as planned before the pandemic, on May 18, without any impact on the 2020 beam schedule (no change, either, in the 2021 beam schedule) and minor impact on accelerator projects. In order to ensure maximum sustainability of the operation, while ensuring the safety of the personnel with the use of teleworking, many adjustments have been made such as a modification of the control room, the installation of a secondary control room, the opening of direct connection to the TANGO control system from the SOLEIL offices and remotely, the installation of conference software, a specific organization of interventions....

Despite all these constraints, everyone's efforts have ensured continuity of service and for the year 2020 performance has not been affected (4th best year 98.8% and 105h MTBF).

Session

Session II: Running a Beam Particle Accelerator during the COVID-19 pandemic.

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Session Classification: Running a Beam Particle Accelerator during the COVID-19 pandemic (II)

Track Classification: Track II: Running a Beam Particle Accelerator during the COVID-19 pandemic