

Status of Operation Reliability at the SPring-8 Storage Ring

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In light source storage rings the beam availability is used as a measure of operation reliability, which is primarily regulated by the beam current. However, there are other barometers for availability, which measure the beam performance promised to the users. For example, the beam profile, or the emittance coupling, is the important parameter for the brilliant light source facilities. The bunch impurity and the current irregularity relating to the bunch filling mode are other essential parameters for time resolved experiments. Here we report the metrics and the status for the operation reliability of the SPring-8 storage ring.

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