

# MKI

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Substantial upgrades were carried out to the MKI beam screen during LS1: as a result MKI heating has not limited LHC operation since LS1, and is not expected to do so during Run 2. Similarly, during LS1, the vacuum systems on the interconnects between MKI magnets were upgraded: as a result there haven't been any issues with SIS vacuum thresholds on the interconnects between adjacent MKIs. However, during 2016, dynamic pressure increase on the MKI8D-Q5 interconnect limited the number of bunches that could be injected for Beam 2. The MKI2D kicker magnet caused several issues during 2016, including limiting the length of the field pulse from August onwards and a high impedance contact from October. As a result of the high impedance contact the MKI2D was exchanged during TS3. During November the Surveillance Voltage Monitoring system interlocked the MKI2 installation on several occasions.

This presentation reviews the MKI performance during 2016, the plans for the EYETS and the expected performance during 2017.

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