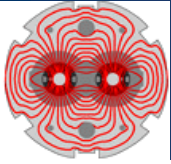


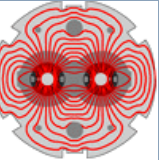
LHCb magnet interlock test (→ BIS)

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18 / 03 / 2022



LHCb spectrometer magnet interlock tests



- ❑ After LS, test of the LHCb magnet interlock: verify that BIC input transits to FALSE well before any current decays in the circuit.
 - Tested for ALICE spectrometer at standby and nominal current in October 2021 – OK
- ❑ LHCb test yesterday (17/03/2022), but only up to **1 kA** (**nominal 6.5 kA**): fear of damage.
 - See <https://be-op-logbook.web.cern.ch/elogbook-server/#/logbook?logbookId=322&dateFrom=2022-03-17T15%3A00%3A00&dateTo=2022-03-17T23%3A00%3A00>
- ❑ **Test results are good**, no current change observed at the time of BIS input transition from TRUE to FALSE.
 - Interlock generated through the PC and by the magnet interlock system.
- ❑ Tests validated at 1 kA. **Do we skip test @ nominal and accept that the results do not change with current ?**