

Magnetic lengths inconsistencies

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Magnetic lengths in mm

| | MCBCH | MCBCV | MCBYH | MCBYV | MCBH | MCBV | MQSX |
|--|-------|-------|-------|-------|------|------|------|
| Design Report (2004) ¹⁾ | 904 | 904 | 899 | 899 | 647 | 647 | 223 |
| Layout DB “Magnetic length” ²⁾ | 904 | 904 | 899 | 899 | 647 | 647 | 223 |
| Fidel documents/Magnet catalogue ³⁾ | 904 | 904 | 899 | 899 | 647 | 647 | 223 |
| Layout DB “Optics length” ²⁾ | 900 | 904 | 899 | 899 | 647 | 647 | 223 |
| Geode ⁴⁾ | 900 | 900 | 900 | 900 | 647 | 647 | 223 |
| Layout Drawings LHC/HL-LHC ⁵⁾ | 900 | 900 | 900 | 900 | 650 | 650 | 25 |
| Mechanical Drawing (2003) ⁶⁾ | 840 | 840 | 840 | 840 | | | |

1) <http://cds.cern.ch/record/782076/files/CERN-2004-003-V1-ft.pdf>

2) https://layout.cern.ch/classification?id=158750&tab=DETAILS_ELEMENT_TYPE

3) https://lhc-div-mms.web.cern.ch/lhc-div-mms/tests/MAG/Fidel/Reports/Yellow_report/PartIII_v2.docx, https://lhc-div-mms.web.cern.ch/lhc-div-mms/tests/MAG/Fidel/Reports/Yellow_report/PartIV_v1.docx

4) <https://cern.ch/geode>

5) <https://edms.cern.ch/document/206640/AE>, <https://edms.cern.ch/document/202330/AN>

6) <https://edms.cern.ch/document/206782/AC>