

LHC BLM Expert Name Definition

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 Official name

BLM**Q**.**06R7**.**B1E30**_MQMxxx(**S**)

BLM location and features:

- Q – Quad location
- E – Extra (not on quad) location
- 2 - 2,coupled monitors
- D – Dump line
- P – direct dumpP
- C – Cryo
- M – Mobile
- I – Injection lines (TI2, TI8, TT41)*
- X -eXperiment diamond
- B – Bending magnet location

Position:

- 01-34 - number of cell
- R or L - side from IP
- 1-8 - IP
- xxxx - distance from beginning of TD, dm

BLM type:

- I - IC
- S - SEM
- B - Bunch measurements by ACEM
- L - LIC
- D - Diamond
- C - Channel checking
- F - FIC
- S - Silicon detector

B1 or B2 – beam observed

B0 – centered between B1&B2

Observed elements (1 or 2)

- Function (batt, hv)
- Distance from IP6, m_Change of TD diameter, mm
- Distance from beginning of Dump Core, m

Position on the element

- For B1 or B2 in beam direction:
- 10+i at the entrance
- 20+i at the middle
- 30+i at exit
- For B0 in each cell
- 10 is 1st and 20 is 2nd from IP

Transverse position:

- E external
- I internal
- C central
- T top
- B bottom
- L left to beam direction
- R right to beam direction

Optional

- _S - second coupled monitor counting in beam direction
- _T – vertical slice test monitor
- _DUMP – for Core dump