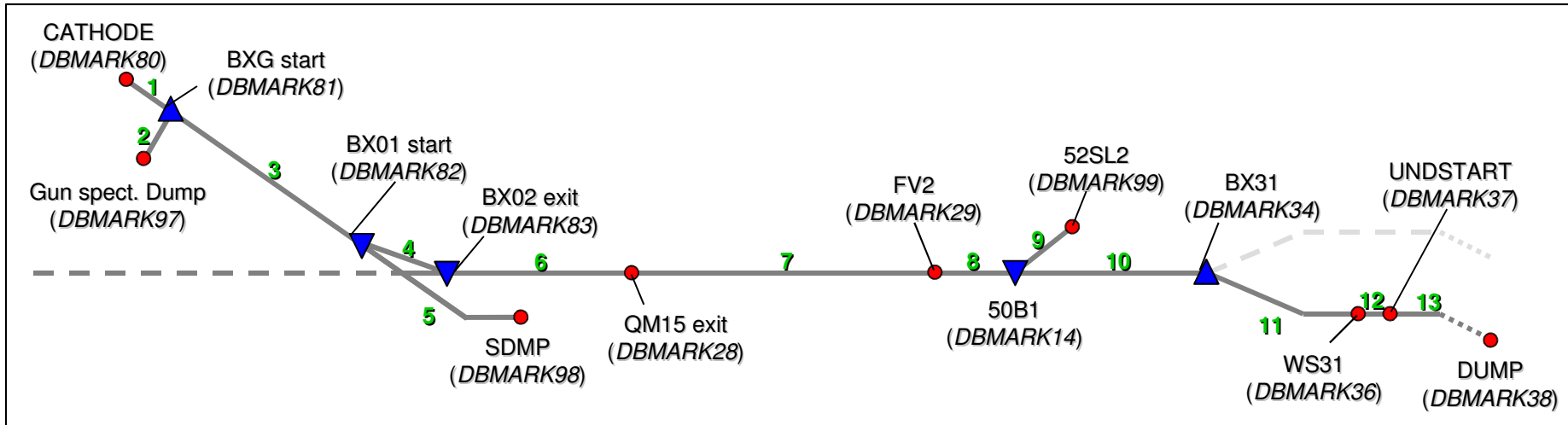


LCLS Beamline Modeling Sections

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Beamlines Modeling Sections:

- 1 Gun CATHODE (*DBMARK80*) to start of BXG dipole (*DBMARK81*)
- 2 Start of BXG dipole (*DBMARK81*) to gun spectrometer dump (*DBMARK97* - found in GSPEC file)
- 3 Start of BXG dipole (*DBMARK81*) to start of BX01 dipole (*DBMARK82*)
- 4 Start of BX01 dipole (*DBMARK82*) to exit of BX02 dipole (*DBMARK83*)
- 5 Start of BX01 dipole (*DBMARK82*) to 135-MeV spectrometer dump SDMP (*DBMARK98* – found in SPEC file)
- 6 Exit of BX02 dipole (*DBMARK83*) to QM15 exit (*DBMARK28*)
- 7 Exit of QM15 (*DBMARK28*) to FV2 = LI30 fast valve 2 (*DBMARK29*)
- 8 FV2 (*DBMARK29*) to start of 50B1 dipole (*DBMARK14*)
- 9 Start of 50B1 dipole (*DBMARK14*) to SL2 stopper (*DBMARK99* – found in 52LINE file, not yet published on web)
- 10 Start of 50B1 dipole (*DBMARK14*) to start of BX31 dipole (*DBMARK34*)
- 11 Start of BX31 dipole (*DBMARK34*) to WS31 (*DBMARK36*)
- 12 WS31 (*DBMARK36*) to start of undulator (*DBMARK37*)
- 13 Start of undulator (*DBMARK37*) to main electron dump (*DBMARK38*)

(also see list on next slide)

DBMARK80 : MARK !(LCLS GUN) RF gun cathode
DBMARK81 : MARK !(BXG_entr) entrance of BXG
DBMARK97 : MARK !(GUNSPECT) 6 MeV gun spectrometer dump
DBMARK82 : MARK !(BX01entr) entrance of BX01
DBMARK98 : MARK !(135SPECT) 135-MeV spect. dump
DBMARK83 : MARK !(BX02exit) exit of BX02 ... LCLS injection point
DBMARK28 : MARK !(QM15exit) exit of QM15 ... just after TD11
DBMARK29 : MARK !(LI30 FV2) LI30 fast valve 2 ... start of BSY
DBMARK14 : MARK !(50B1BEND) entrance of 50B1
DBMARK99 : MARK !(52-SL2) 52 SL2
DBMARK34 : MARK !(BX31entr) entrance of BX31
DBMARK36 : MARK !(WS31) center of WS31
DBMARK37 : MARK !(endUNMCH) end of undulator match
DBMARK38 : MARK !(UND_DUMP) final undulator dump