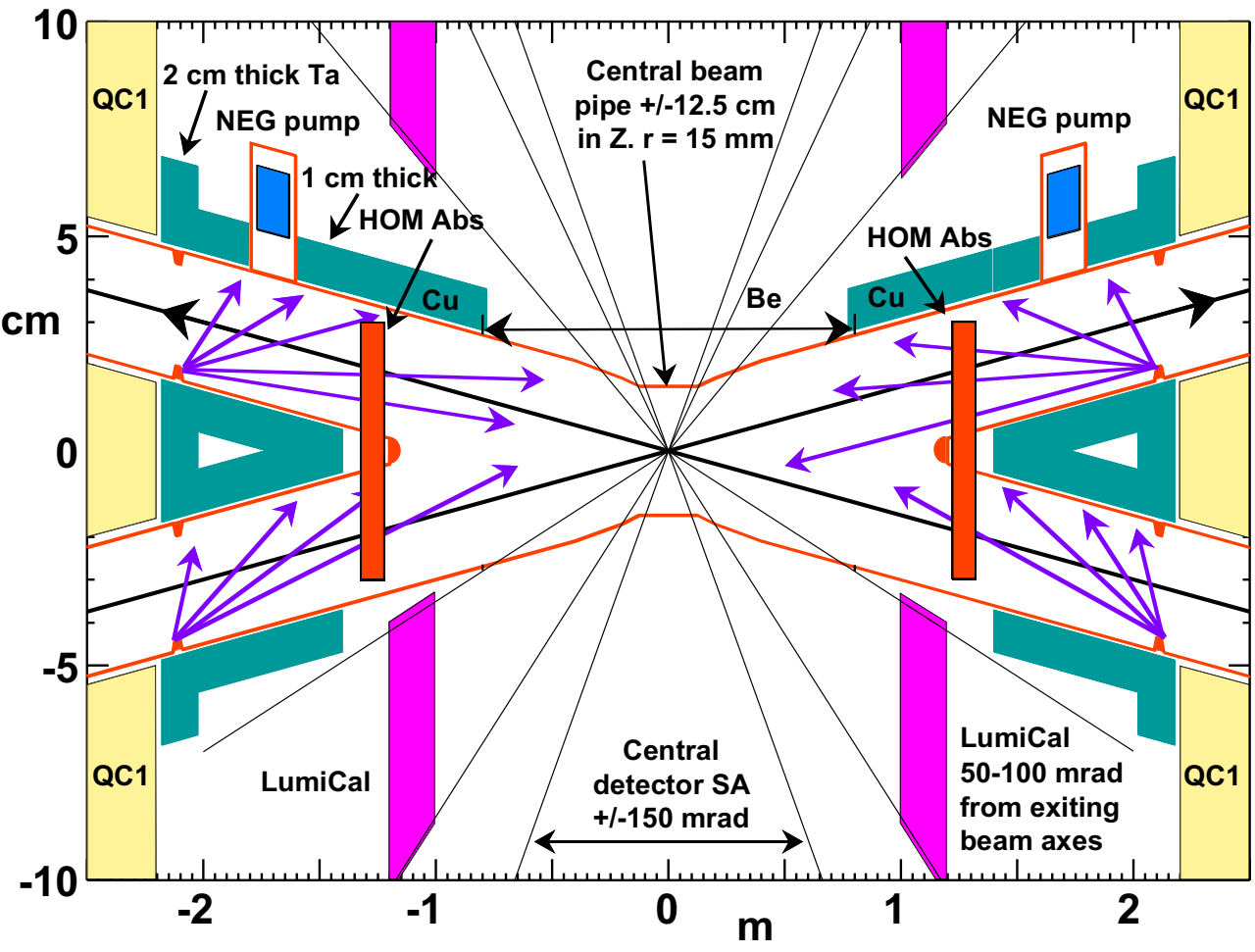
10
5
0
-5
-10
cm
-2
-1
0
1
2
m
QC1
QC1
QC1
QC1
2 cm thick Ta
NEG pump
1 cm thick
HOM Abs
Cu
Central beam
pipe +/-12.5 cm
in Z. r = 15 mm
Be
NEG pump
HOM Abs
Cu
LumiCal
Central
detector SA
+/-150 mrad
LumiCal
50-100 mrad
from exiting
beam axes