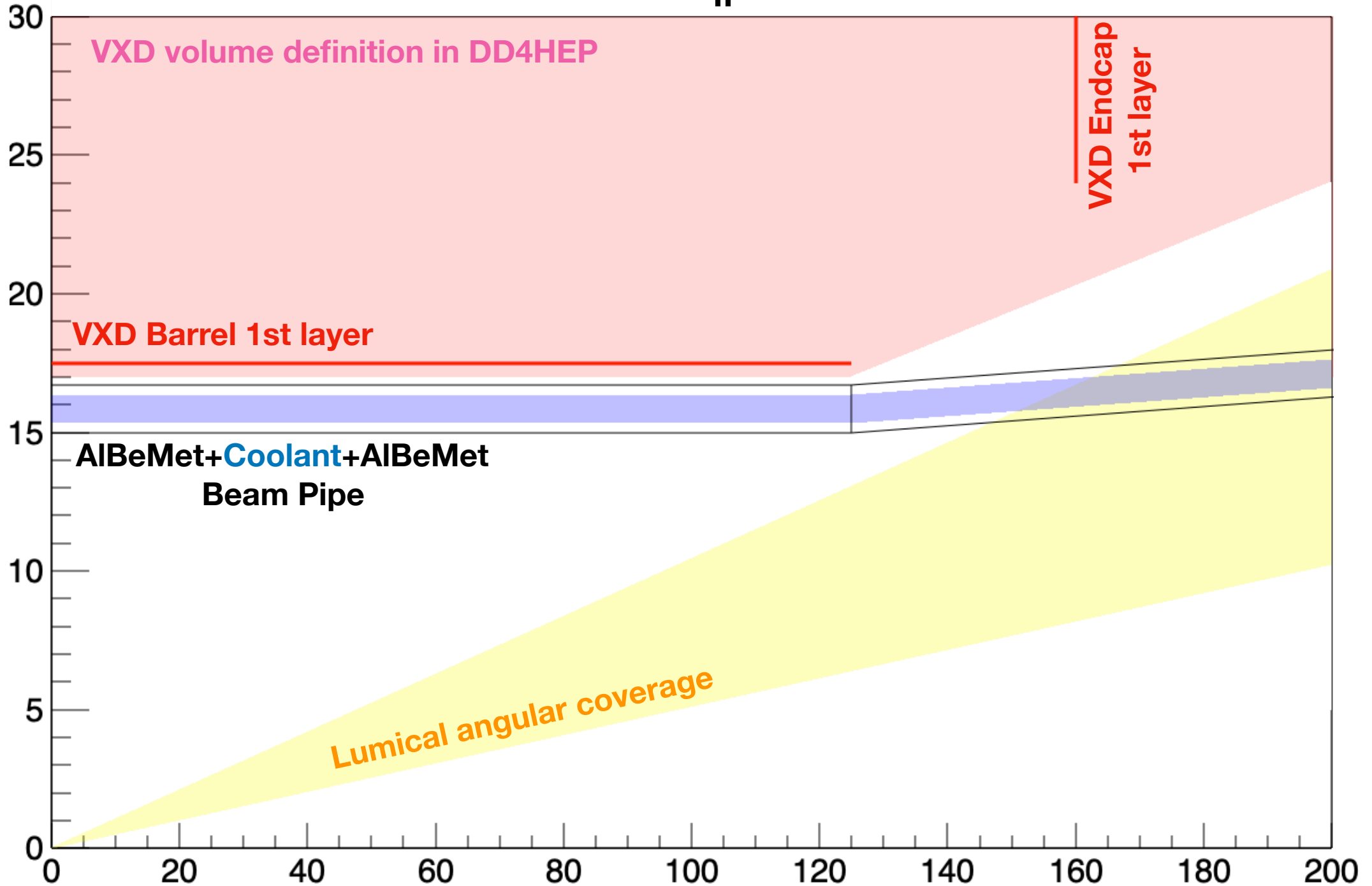


Impact of smaller beam pipe on VXD geometry

11/10/21 - Andrea Ciarma

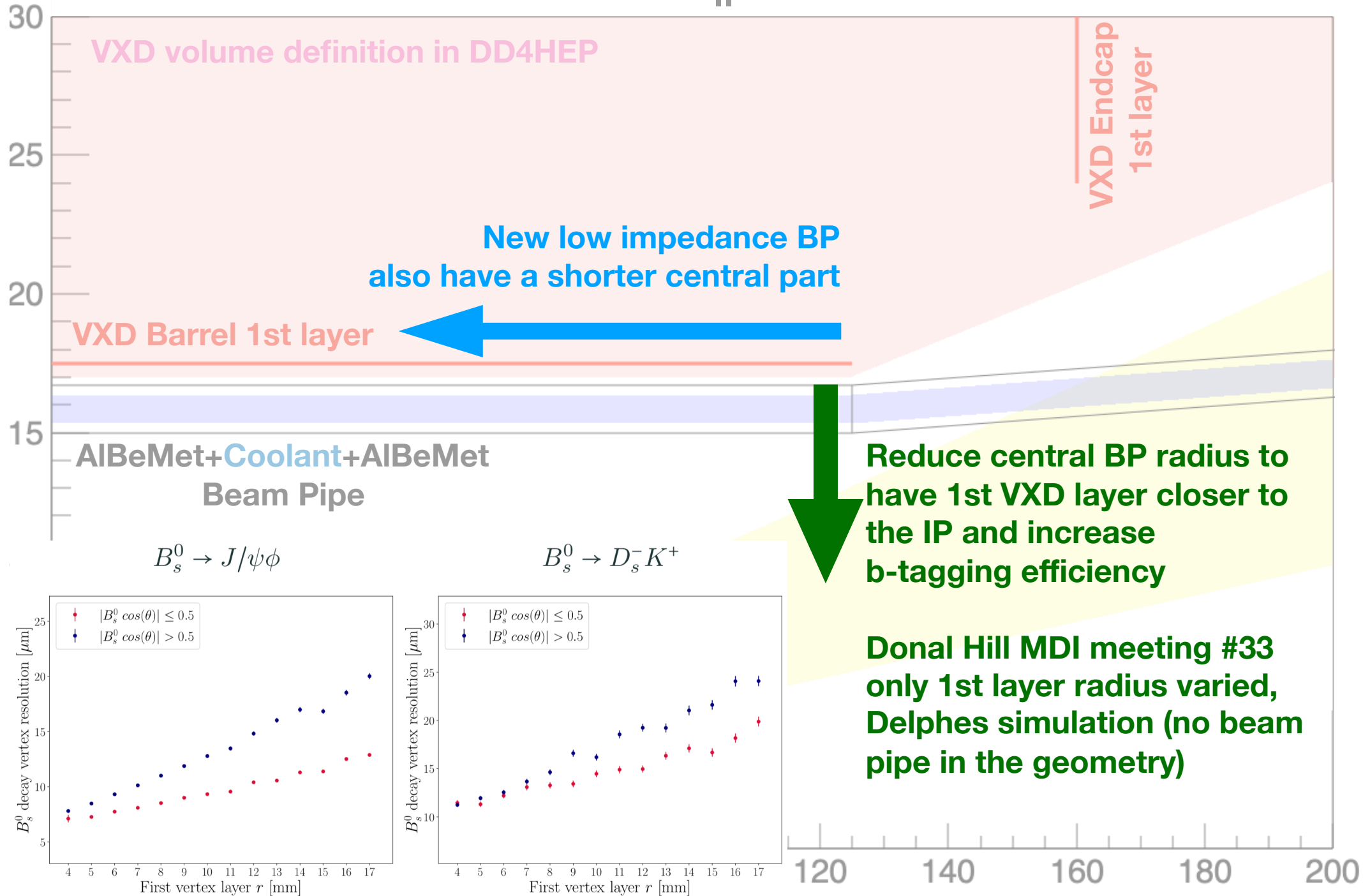
Central Beam Pipe - CDR

$z = 125\text{mm} \parallel r = 15\text{mm}$



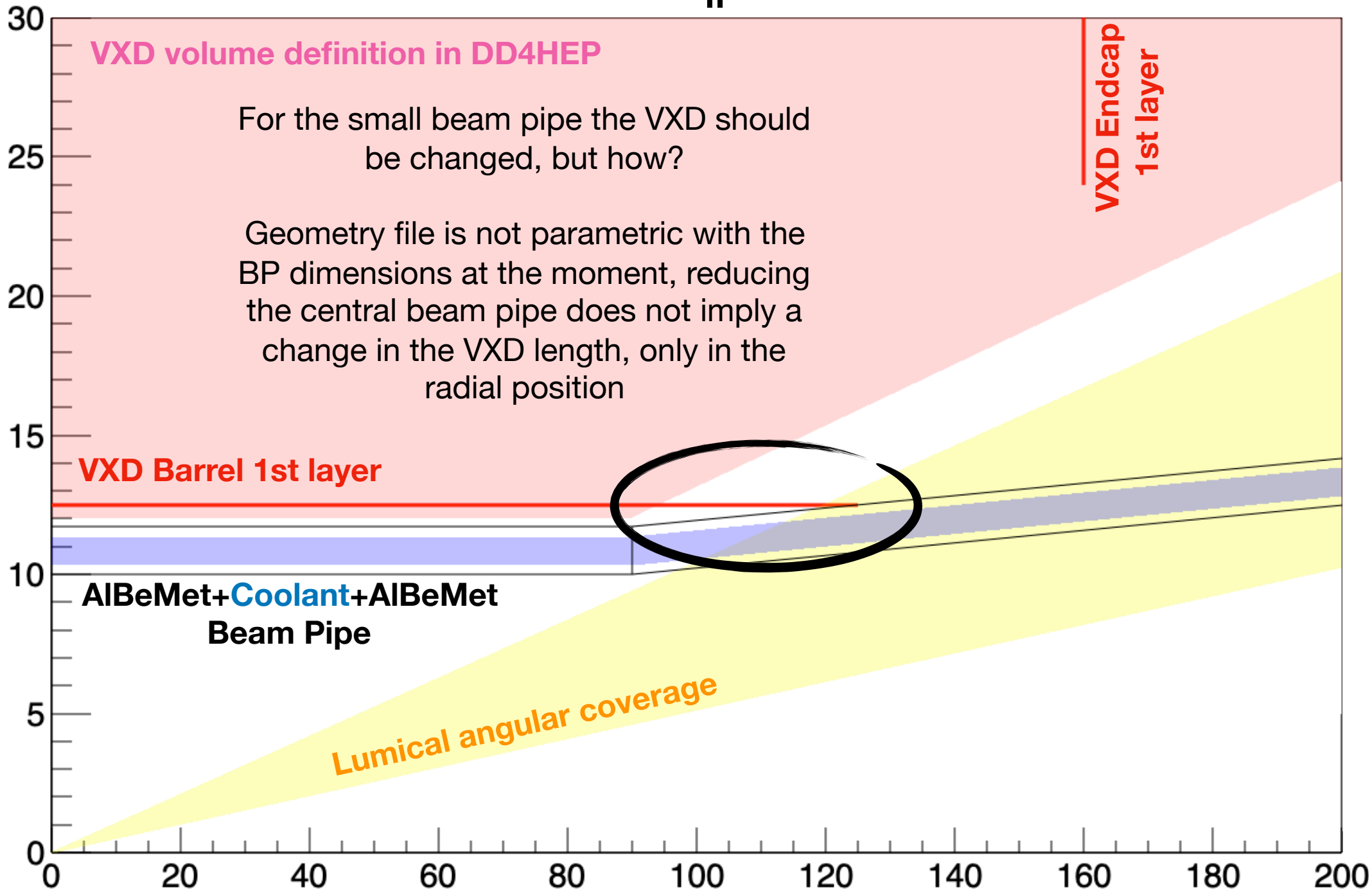
Central Beam Pipe - CDR

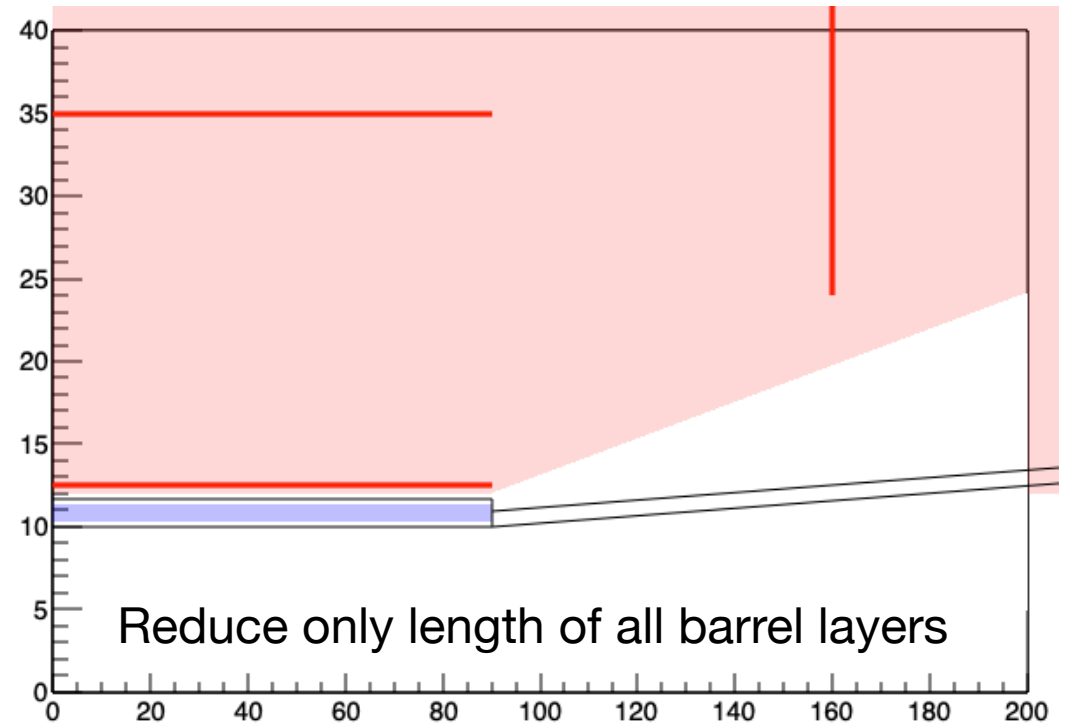
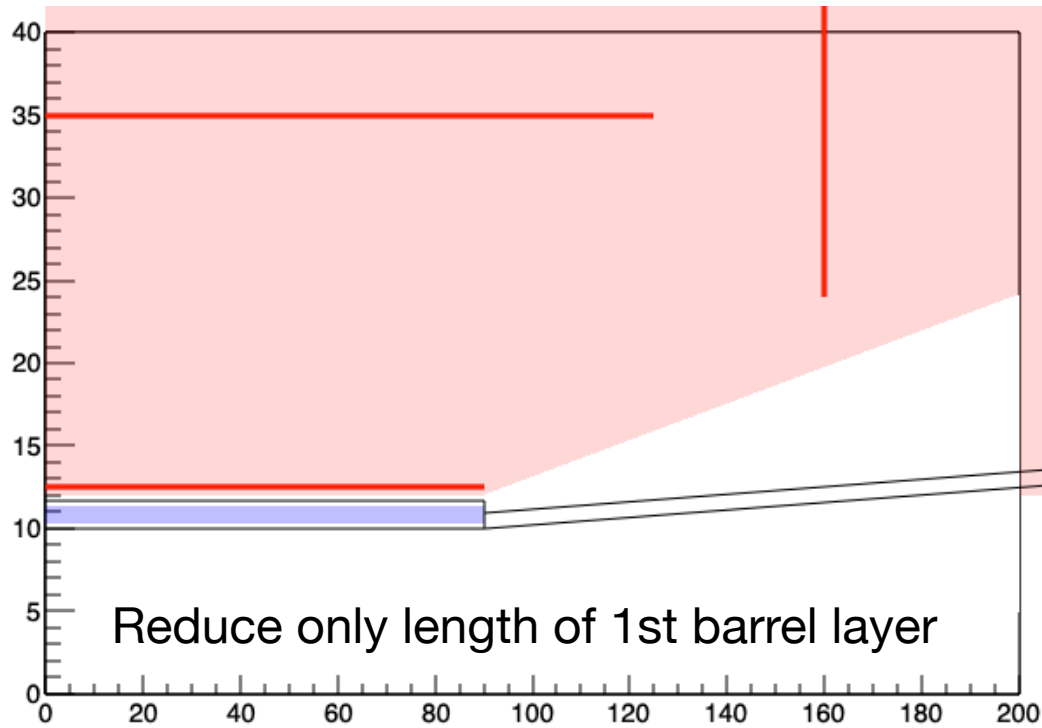
$z = 125\text{mm} \parallel r = 15\text{mm}$



Central Beam Pipe - Short

$z = 90\text{mm} \parallel r = 10\text{mm}$





Several possible options, but in any scenario reducing the VXD could mean having a lower efficiency e.g. in the b-tagging, but this should be verified

Any suggestions/comments/ideas?

