DISCUSSION ON THE LHC DS COLLIMATORS
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Question: The design is based on the one for the Phase 2 collimators => Ferrite on top and beam screen on bottom on one jaw, and opposite for the second jaw (see next slide). Can we have the 2 ferrite plates on one jaw and the 2 beam screens on the other (this issue arises due to the cryo line which complicates the mechanical design)?

Answer: Yes.

Once a new design is ready, we would like the drawings to perform (quantitative) electromagnetic simulations.
Phase 2 collimator

DS collimators proposal
One should try and suppress these gaps if possible

Ferrite (6 mm height but only 3 mm visible by the beam due to the stainless steel box) => Try and increase the visible height of the ferrite
Pictures from the Phase 2 design (1/2)
Distance between the ferrite and the beam screen is 2.3 mm