

XCC Crossing Angle vs XFEL Pulse Energy

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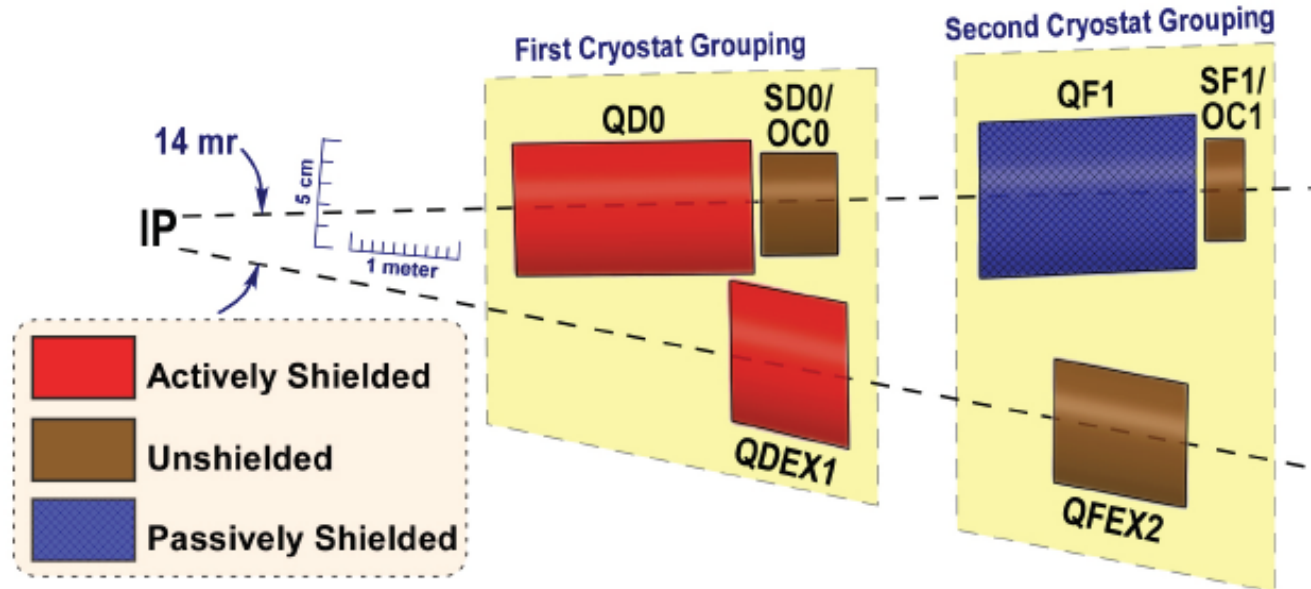
XFEL $\gamma\gamma$ Collider Meeting

Feb 03, 2021

Energy absorbed by SC QD0 should be no more than 1 Watt

ILC:

Figure 8.7
Schematic layout of
magnets in the IR.



XCC:

E_{pulse} (J)	$\frac{dL}{dE} (10^{30} \text{ cm}^{-2} \text{ s}^{-1} / 4 \text{ MeV})$	$N_{bx} (10^5 \text{ s}^{-1})$	θ_{cross} (mrad)	$Pb \cos \theta = 0$ (μm)	$ \cos \theta _{max}$
0.72	1	3.4	35	2.3	0.93
1.08	1.6	2.1	32	3.1	0.94
1.44	1.9	1.8	29	4.1	0.95
1.8	2.1	1.6	25	4.5	0.95