10th FCC-ee MDI Meeting R. Kersevan TE-VSC-VSM, 27 April 2017



SYNRAD+ Simulation of the FCC-ee T-pole IR, with Conical Sawtooth Profile (2π about the axis)





Looking from the other side, with ray traced; Be chamber in red (plot on right)



Longitudinal Flux Distribution along the 1x and 2x1200 Triangular Teeth ("ridges"); Total length of 24 mm ID nine is 6 m





Flux Spectra Absorbed on Selected Facets; No Compton and No Fluorescence contributions



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and the balance of the second se	Facets details		
	# Facet 2D Box 5220 0.820848 x 0.0723689	Flux Power 1.1365e+15 4.89556	
anna na	Facets coordinates #5220		
	# Vertex X 1 5177 -1.126630933 2 5179 -1.126630933 3 5178 -1.198999788	Y Z 0.4104245396 -820.013918 -0.4104238043 -820.013918 3.676571948e-07 -820.013918	16 16 16 16

First non-shadowed tooth; Higher Power and Flux, still within reasonable limits