Background hits and occupancy at 50x50 TeV

Assume 2 bunches of $10^{12}\mu$'s each for hits, 4×10^{12} for occupancy

For silicon vertex assume 300x300 micron^2 pads

rad (cm)	$photons$ (/cm^2)	$neutrons$ (/cm^2)	$charged$ (/cm^2)	$Hits$ (/cm^2)	$Occup$ all	$Occup$ $charged$
5	13	0.03	4	17	6.1 %	1.4 %
10	3.3	0.04	0.6	4	1.4 %	0.2 %
15	1.4	0.07	0.14	1.6	0.6 %	0.05 %
20	0.8	0.1	0.10	1.0	0.4 %	0.04 %
50	0.1	0.03	0.065	0.2	0.07 %	0.02 %
100	0.03	0.02	0.005	0.06	0.02 %	0.002 %
150	0.01	0.01	0.02	0.04	0.014 %	0.007 %