



Component	Distance from source to centre of volume [mm]	Range in z [mm]
Source		
Al tube 1	178	0 - 356
Collimator 1 (brass)	55	50 - 60
Scatter foil 1 (tungsten)	80.0125	80 - 80.025
Shielding (borated plastic)	826	256 - 1396
Brass stopper	303.3	300 - 306.6
Scatter foil 2 (tungsten)	306.6125	306.660 - 306.625
Kapton window	355.975	355.95 - 356
Al box 1	550	450 - 650
Iron block	662.5	650 - 675
Al tube 2	875	650 - 1100
Al box 2	1396	1100 - 1692
Collimator 2 (brass)	1135	1130 - 1140
Dose monitor 1	1171	1152.5 - 1189.5
Dose monitor 2	1226.5	1208 - 1245
Cross-wires (tungsten)	1536	1516 - 1556
Nozzle (brass)	1715.25	1672 - 1758.5