

MicroShield v5.05 (5.05-00142)
 McMaster University
 Conversion of calculated exposure in air to dose
 FILE: Case1
 Case Title: Case 1
 This case was run on Thursday, March 4, 2004 at 1:34:00 PM
 Dose Point # 1 - (100,0,0) cm

<u>Results (Summed over energies)</u>	<u>Units</u>	<u>Without Buildup</u>	<u>With Buildup</u>
Photon Fluence Rate (flux)	Photons/cm ² /sec	1.056e+005	1.066e+005
Photon Energy Fluence Rate	MeV/cm ² /sec	5.514e+004	5.567e+004
Exposure and Dose Rates:			
Exposure Rate in Air	mR/hr	1.078e+002	1.088e+002
Absorbed Dose Rate in Air	mGy/hr	9.409e-001	9.500e-001
"	mrad/hr	9.409e+001	9.500e+001
Deep Dose Equivalent Rate	(ICRP 51 - 1987)		
o Parallel Geometry	mSv/hr	1.137e-000	1.148e-000
o Opposed	"	8.835e-001	8.920e-001
o Rotational	"	8.835e-001	8.920e-001
o Isotropic	"	7.808e-001	7.884e-001
Shallow Dose Equivalent Rate	(ICRP 51 - 1987)		
o Parallel Geometry	mSv/hr	1.198e+000	1.210e+000
o Opposed	"	1.132e+000	1.143e+000
o Rotational	"	1.132e+000	1.143e+000
o Isotropic	"	8.320e-001	8.401e-001
Effective Dose Equivalent Rate	(ICRP 51 - 1987)		
o Anterior/Posterior Geometry	mSv/hr	1.001e+000	1.011e+000
o Posterior/Anterior	"	8.698e-001	8.783e-001
o Lateral	"	6.283e-001	6.343e-001
o Rotational	"	7.757e-001	7.833e-001
o Isotropic	"	6.508e-001	6.571e-001