

## ISOCS/LABSOCS RESULTS

ISOCS/LabSOCS File: C:\Data\Student Class counts\220x bananas.ecc  
 ISOCS/LabSOCS Time: 10/20/15 16:03:40  
 Template: BEAKER  
 Geom Description: 220X BANANAS  
 Comment: ISOCS:BAGS OF CHARRED\_BANANAS\_FILING\_SHIELDING\_OF\_MIT1  
 Detector: DIA=60MM COAXIAL  
 Collimator: no collimator  
 Convergence: 1.00 %  
 Area [Sq Meters]: 0.0000e+000 (C)  
 Mass [Grams]: 7.0079e+003 (C)  
 Length [Meters]: not used  
 (C) = Value calculated by ISOCS  
 (U) = Value modified by user

Energy	Efficiency	%Uncertainty	%Convergence	Final # of Voxels
45.00	3.68770e-004	15.0	-0.010223	4095
60.00	1.41218e-003	10.0	-0.022230	4095
80.00	2.66123e-003	10.0	-0.027699	4095
100.00	3.35691e-003	10.0	-0.035007	4095
150.00	3.65428e-003	10.0	-0.046714	4095
200.00	3.31872e-003	8.0	-0.051531	4095
300.00	2.55268e-003	8.0	-0.054165	4095
500.00	1.72244e-003	6.0	-0.053157	4095
700.00	1.34944e-003	6.0	-0.060418	4095
1000.00	1.04302e-003	4.0	-0.061162	4095
1400.00	8.26953e-004	4.0	-0.064514	4095
2000.00	6.25989e-004	4.0	-0.057880	4095

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## 22.01 Introduction to Nuclear Engineering and Ionizing Radiation

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