

Name: _____

Lab: Interaction of Gamma-Rays with Matter

Grader: _____

Grading Rubric	Subscore	Maximum	Score	Total
Title Page				7
names / title		2		
abstract		5		
Introduction				15
Background information		5		
Important equations		5		
Lab objectives		5		
Method				10
Drawing of setup		5		
Description of procedure		5		
Results				45
Calibration of Na		5		
Cs spectra				
Full Energy Peak		5		
Compton Shoulder		5		
Compton Continuum		5		
Backscatter Peak		5		
Energy Predictions		5		
Identity Confirmation		5		
Identity and Explanation of Missing Peak		10		
Discussion				45
Energy Resolution at 662 keV and % value		10		
Na (24)				
What would be the energies of these peaks?		5		
Can you observe such escape peaks. . . ?		5		
Would you expect these escape peaks to be. . . ?		5		
Identify the two gamma-rays		5		
Identify the detector artifacts		5		
Identify sources by the energies of peaks		10		
Significant Figures				3
Units (-1 every occurrence)				
Measurements w/o uncertainty (-1/2 every occurrence)				
Total				125