

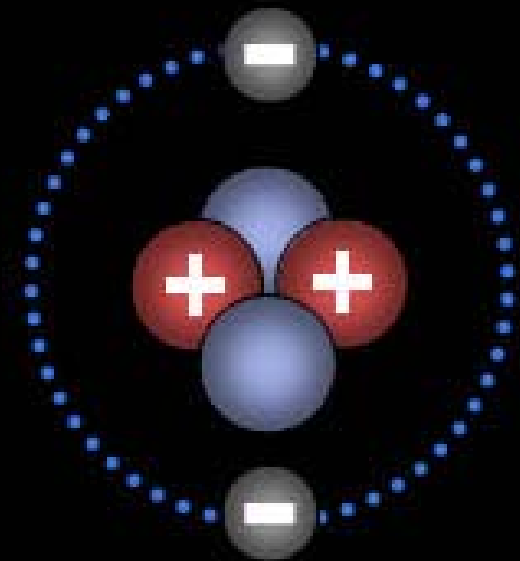
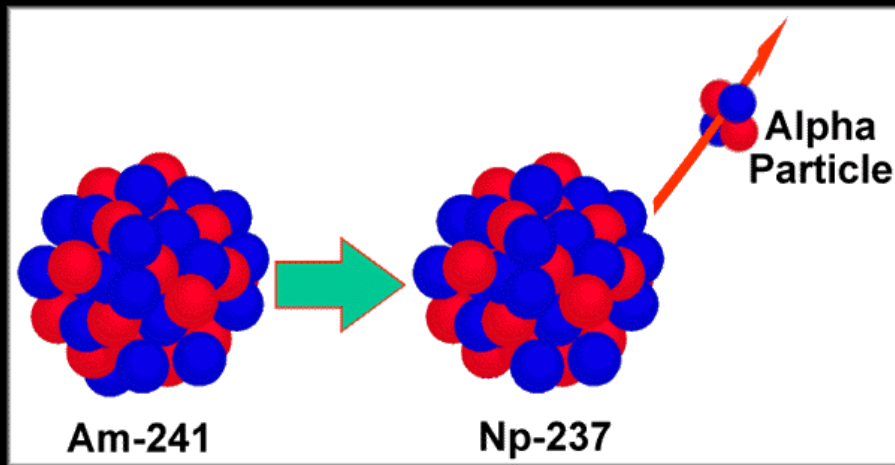
Alpha Spectroscopy



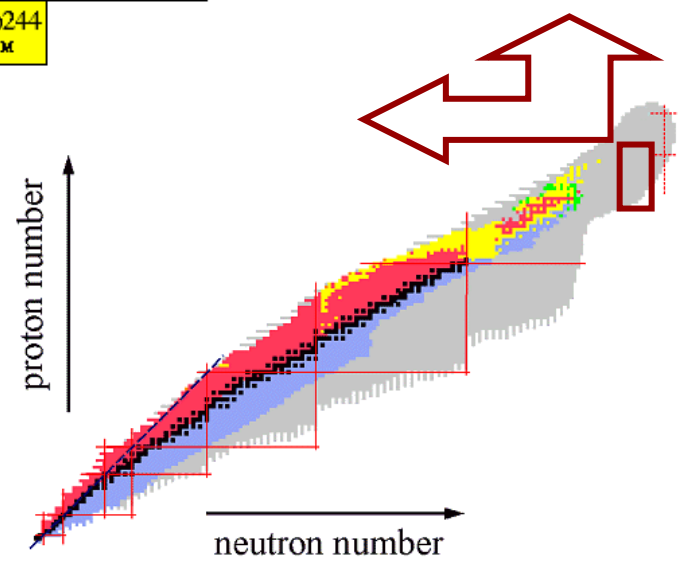
Alpha Males:

Brendan Becht,
Blake Miniard,
Tom Lindborg

What is an Alpha particle?



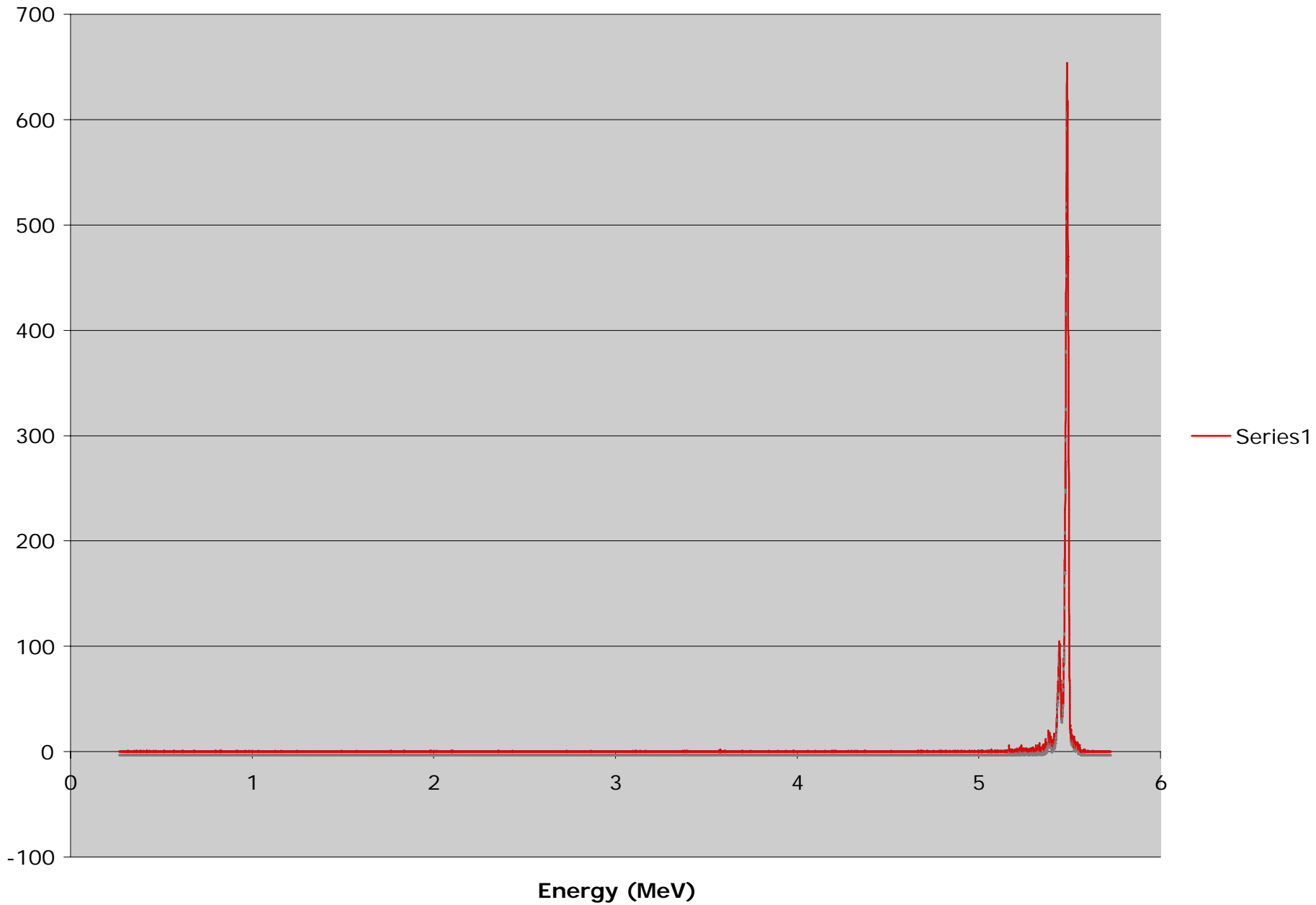
102										No249	No250	No251	No252	No253	No254	No255	No256	No257	No258	No259	No260	No261								
101										Md245	Md246	Md247	Md248	Md249	Md250	Md251	Md252	Md253	Md254	Md255	Md256	Md257	Md258	Md259	Md260					
100										Fm242	Fm243	Fm244	Fm245	Fm246	Fm247	Fm248	Fm249	Fm250	Fm251	Fm252	Fm253	Fm254	Fm255	Fm256	Fm257	Fm258	Fm259			
99										Es241	Es242	Es243	Es244	Es245	Es246	Es247	Es248	Es249	Es250	Es251	Es252	Es253	Es254	Es255	Es256	Es257				
98										Cf237	Cf238	Cf239	Cf240	Cf241	Cf242	Cf243	Cf244	Cf245	Cf246	Cf247	Cf248	Cf249	Cf250	Cf251	Cf252	Cf253	Cf254	Cf255	Cf256	
97	Bk235	Bk236	Bk237	Bk238	Bk239	Bk240	Bk241	Bk242	Bk243	Bk244	Bk245	Bk246	Bk247	Bk248	Bk249	Bk250	Bk251	Bk252	Bk253	Bk254										
96	Cm234	Cm235	Cm236	Cm237	Cm238	Cm239	Cm240	Cm241	Cm242	Cm243	Cm244	Cm245	Cm246	Cm247	Cm248	Cm249	Cm250	Cm251	Cm252											
95	Am233	Am234	Am235	Am236	Am237	Am238	Am239	Am240	Am241	Am242	Am243	Am244	Am245	Am246	Am247	Am248	Am249													
94	Pu232	Pu233	Pu234	Pu235	Pu236	Pu237	Pu238	Pu239	Pu240	Pu241	Pu242	Pu243	Pu244	Pu245	Pu246	Pu247														
93	Np231	Np232	Np233	Np234	Np235	Np236	Np237	Np238	Np239	Np240	Np241	Np242	Np243	Np244																
92	U230	U231	U232	U233	U234	U235	U236	U237	U238	U239	U240	U241	U242																	
91	Pa229	Pa230	Pa231	Pa232	Pa233	Pa234	Pa235	Pa236	Pa237	Pa238	Pa239	Pa240																		
90	Th228	Th229	Th230	Th231	Th232	Th233	Th234	Th235	Th236	Th237	Th238																			
89	Ac227	Ac228	Ac229	Ac230	Ac231	Ac232	Ac233	Ac234	Ac235	Ac236																				
88	Ra226	Ra227	Ra228	Ra229	Ra230	Ra231	Ra232	Ra233	Ra234																					
87	Fr225	Fr226	Fr227	Fr228	Fr229	Fr230	Fr231	Fr232																						
86	Rn224	Rn225	Rn226	Rn227	Rn228																									
85	At223																													



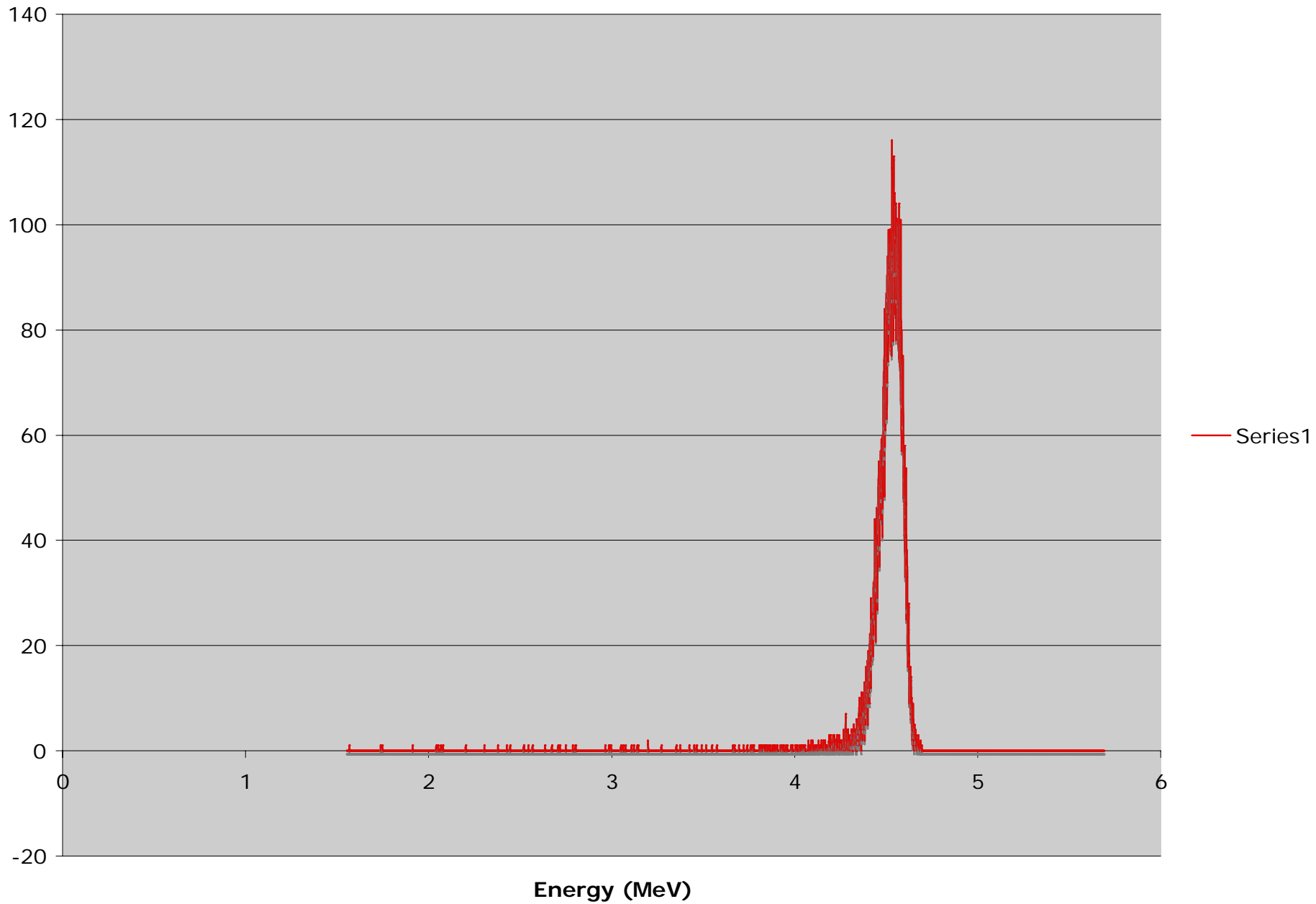
Setup



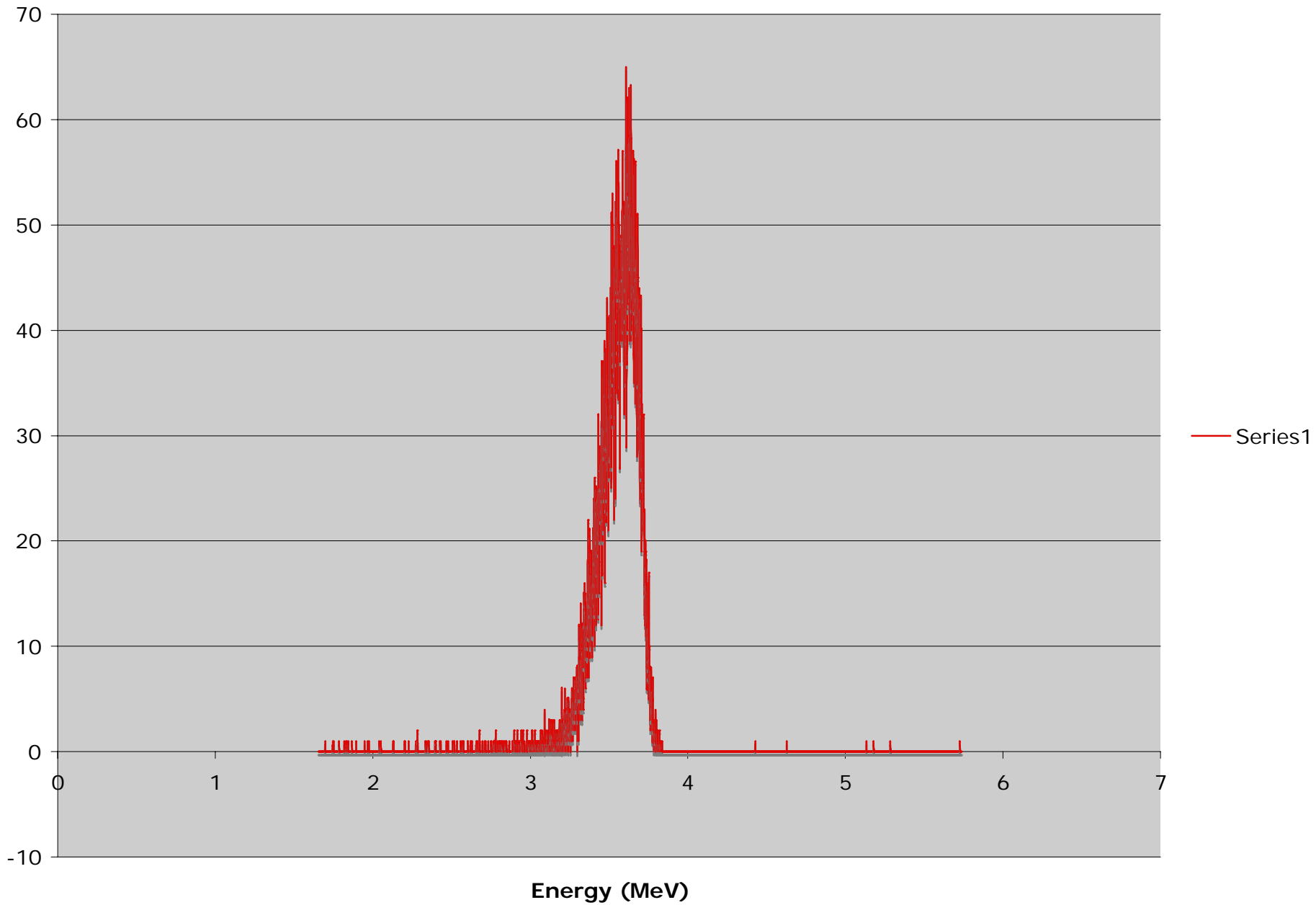
Am241- no foil: Counts vs. Energy



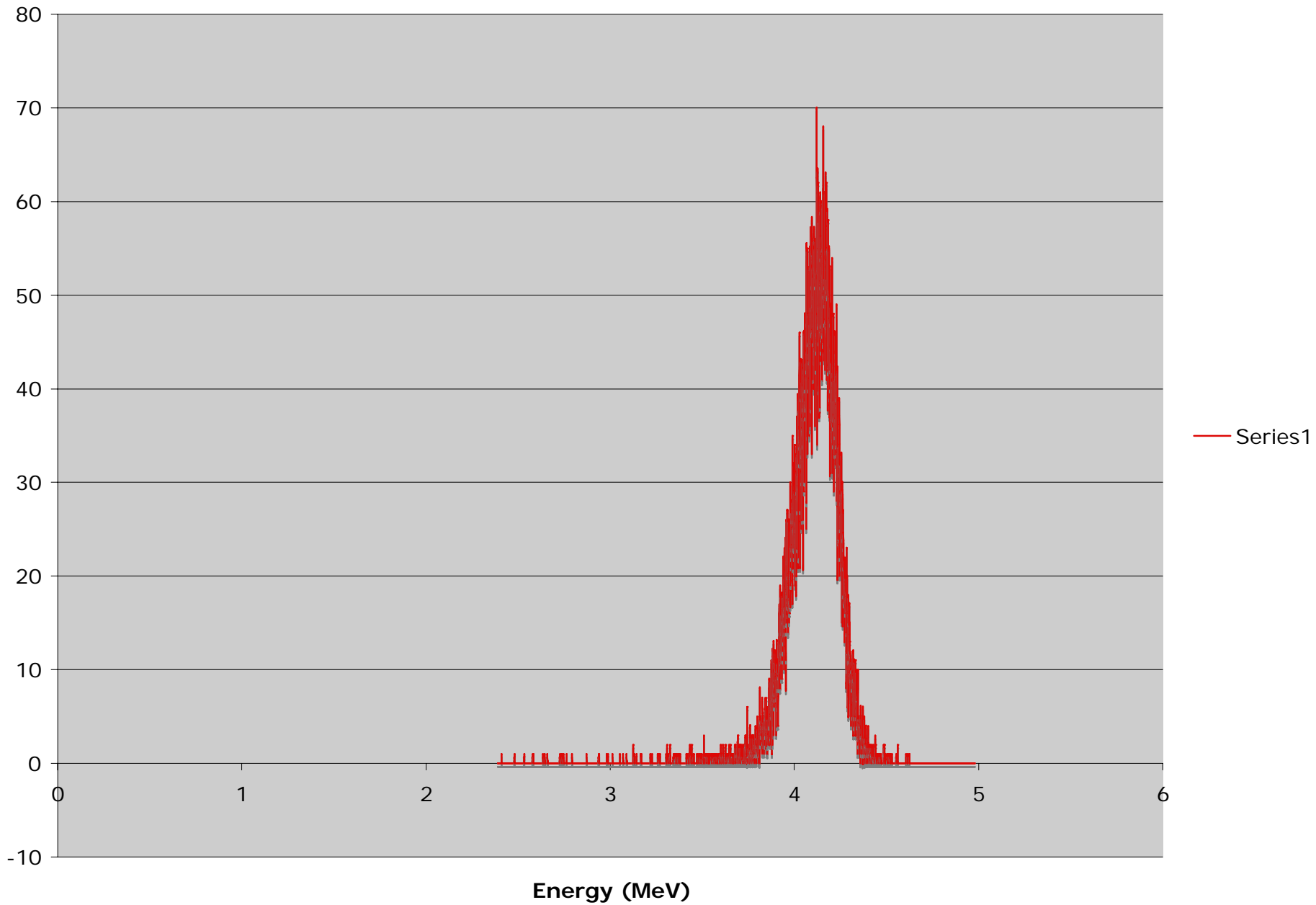
Am241- Havar foil: Counts vs. Energy



Am241- Havar foil 4.6 um: Counts vs. Energy



Am241- Aluminum foil: Counts vs. Energy



CSI Evidence

