Program EVALPLOT
(Version 2018-1)
by
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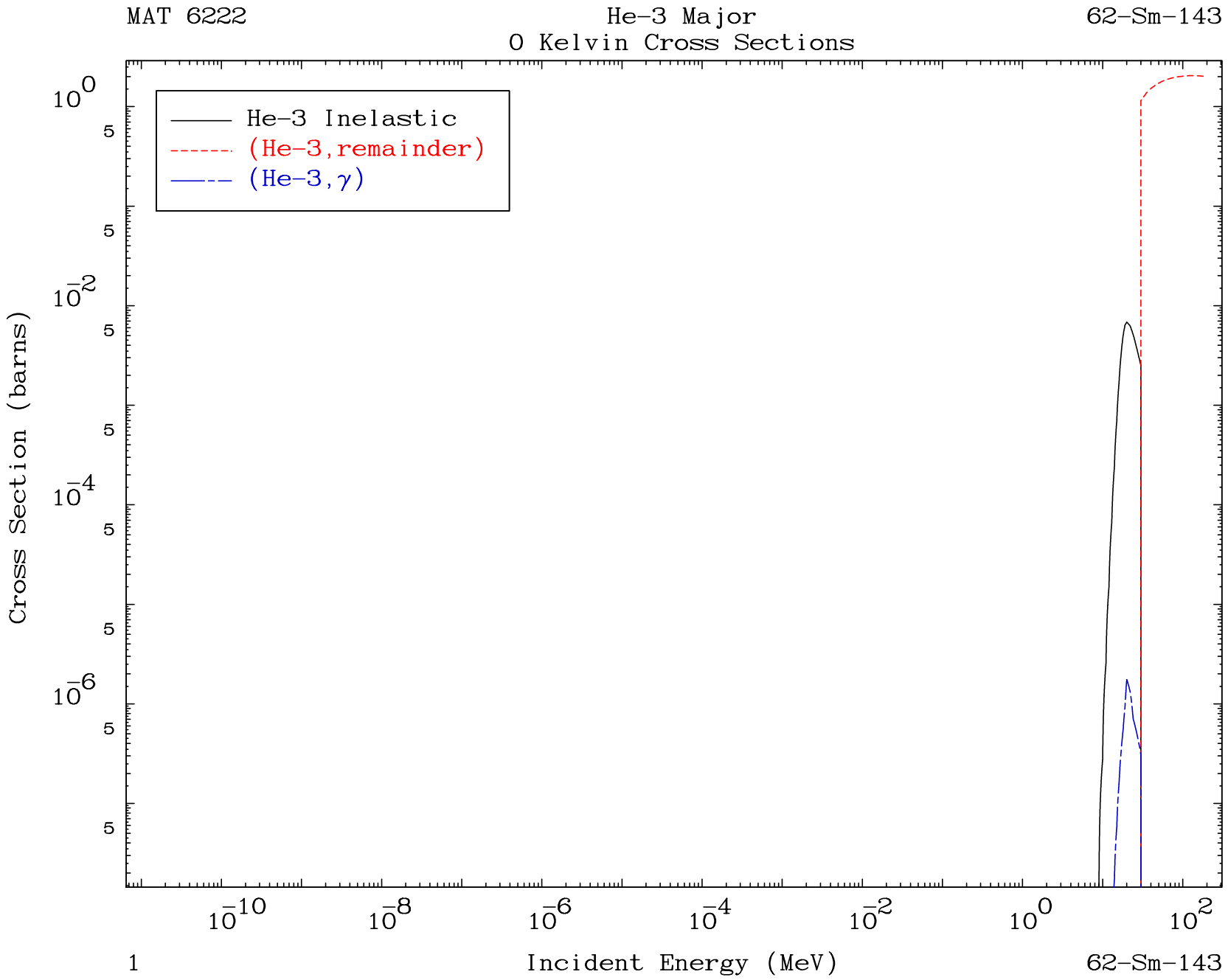
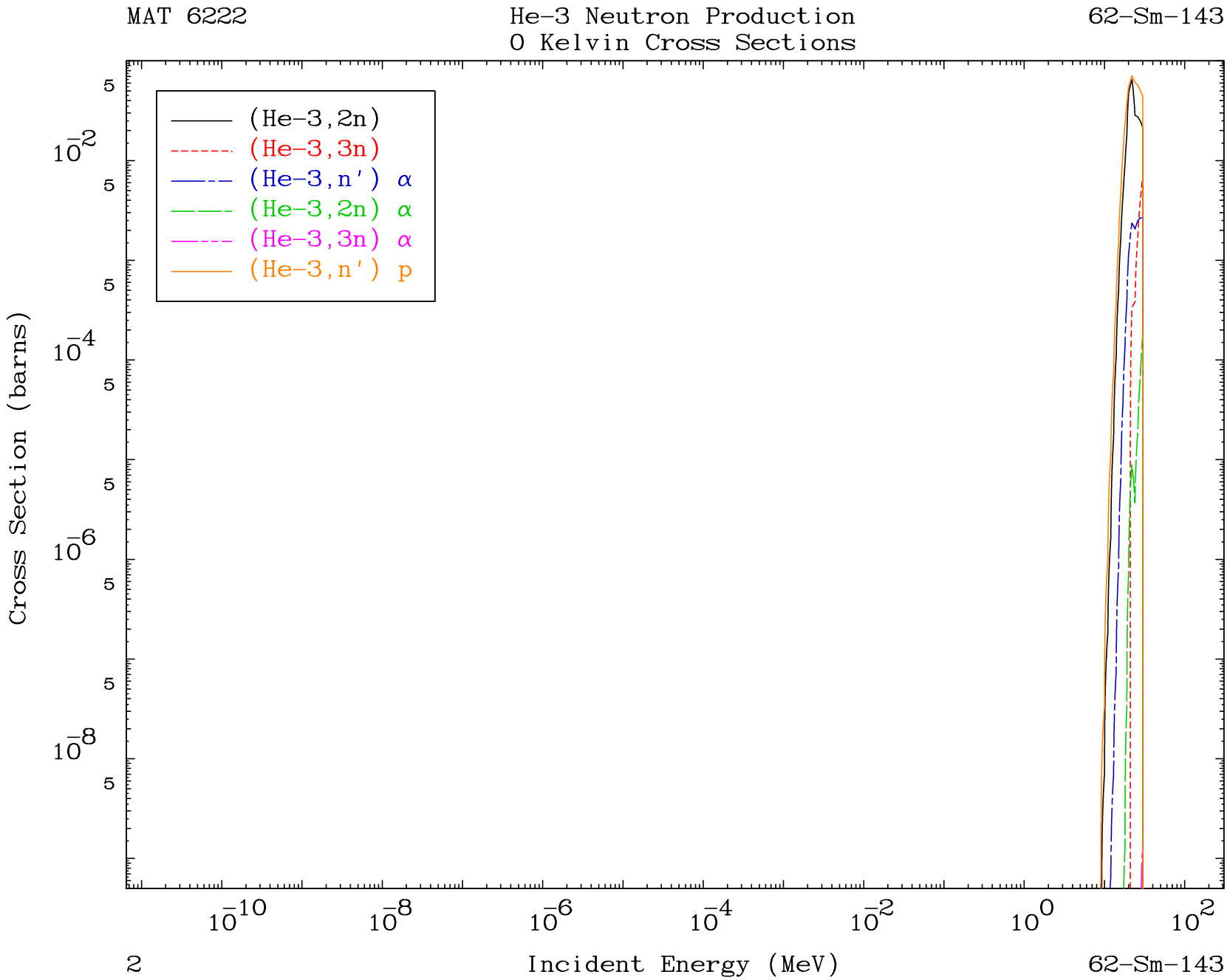
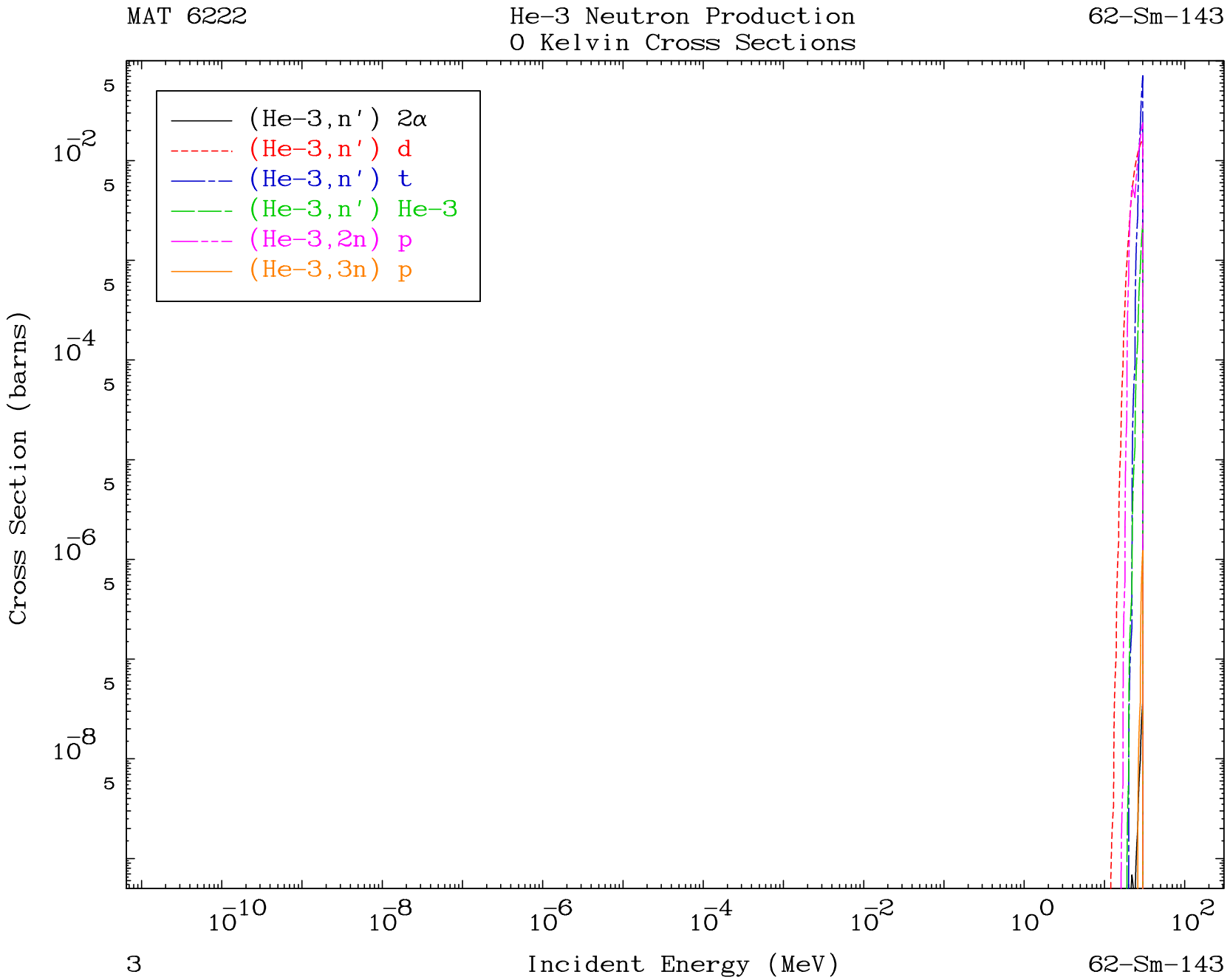
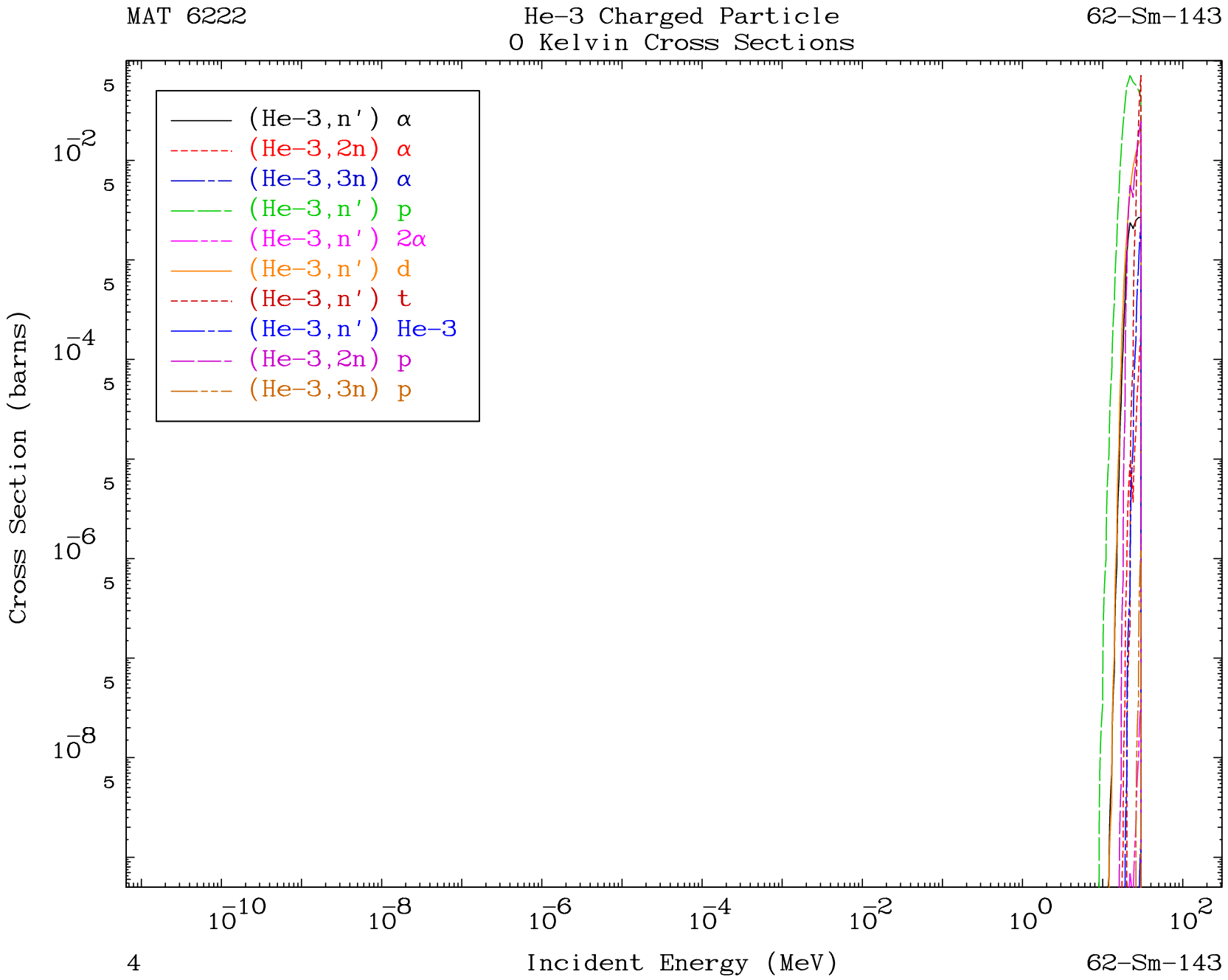
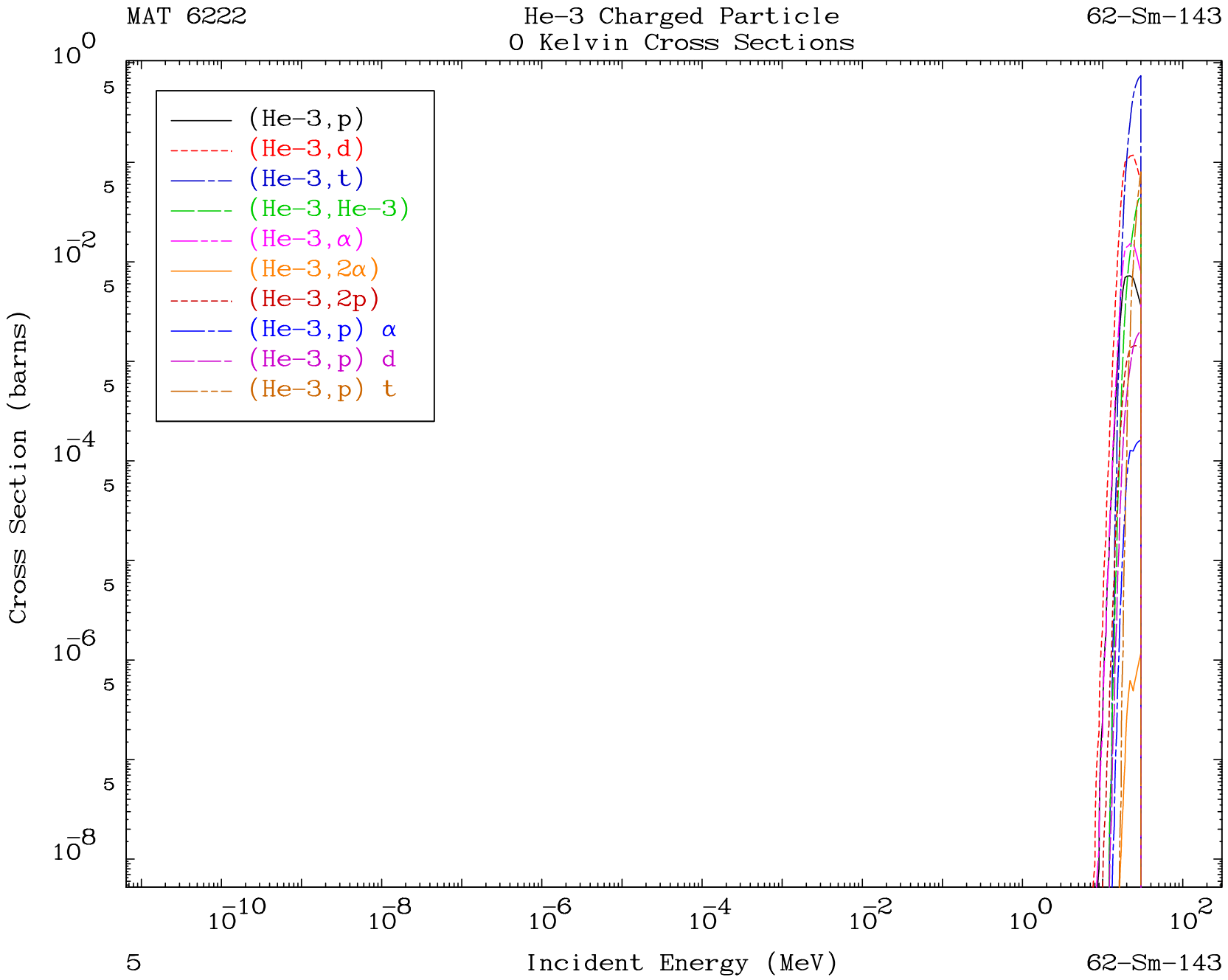
Press Mouse Button to Start

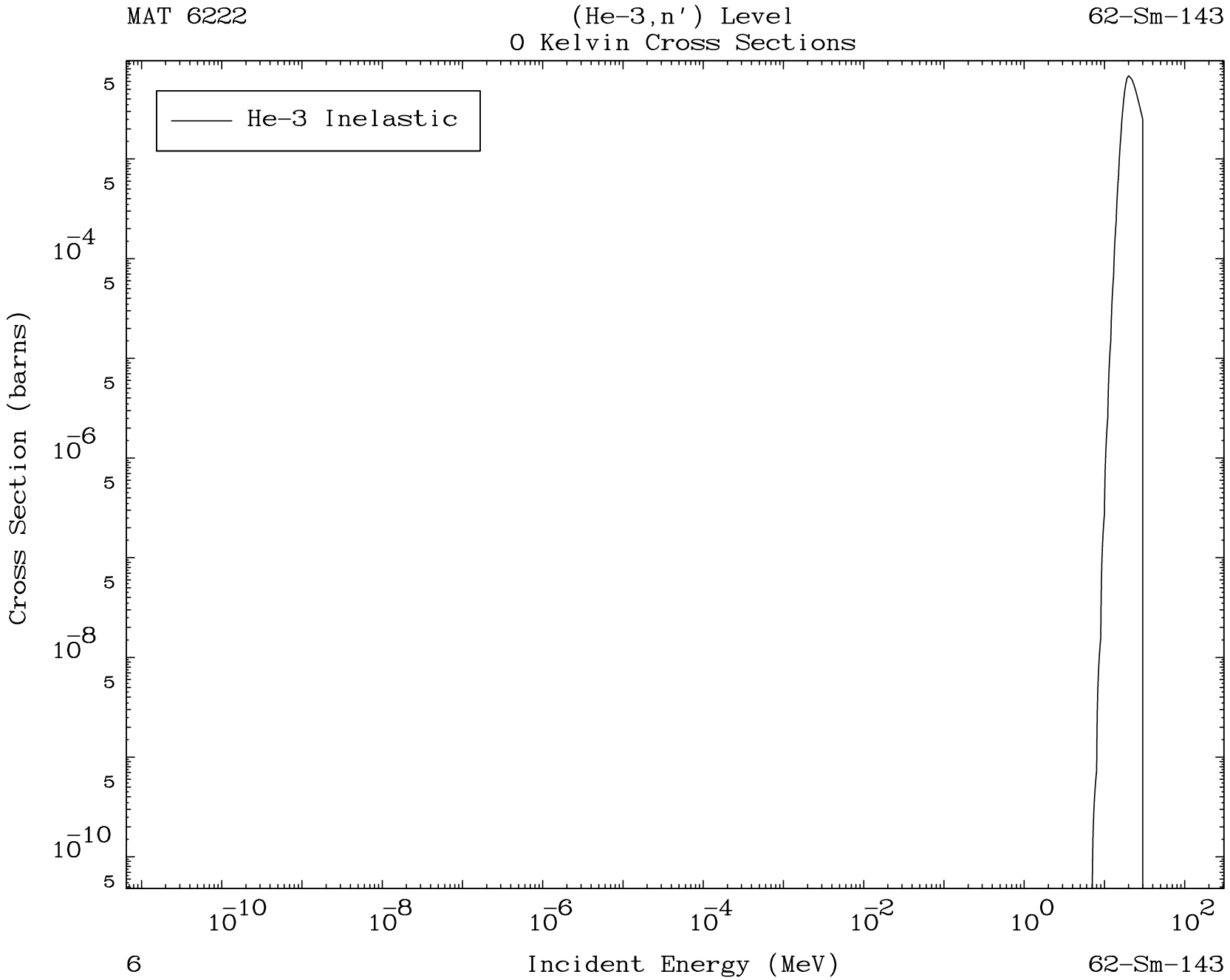

MAT 6222
He-3 Major
62-Sm-143
0 Kelvin Cross Sections
He-3 Inelastic
(He-3,remainder)
(He-3,γ)
Cross Section (barns)
Incident Energy (MeV)
1
62-Sm-143

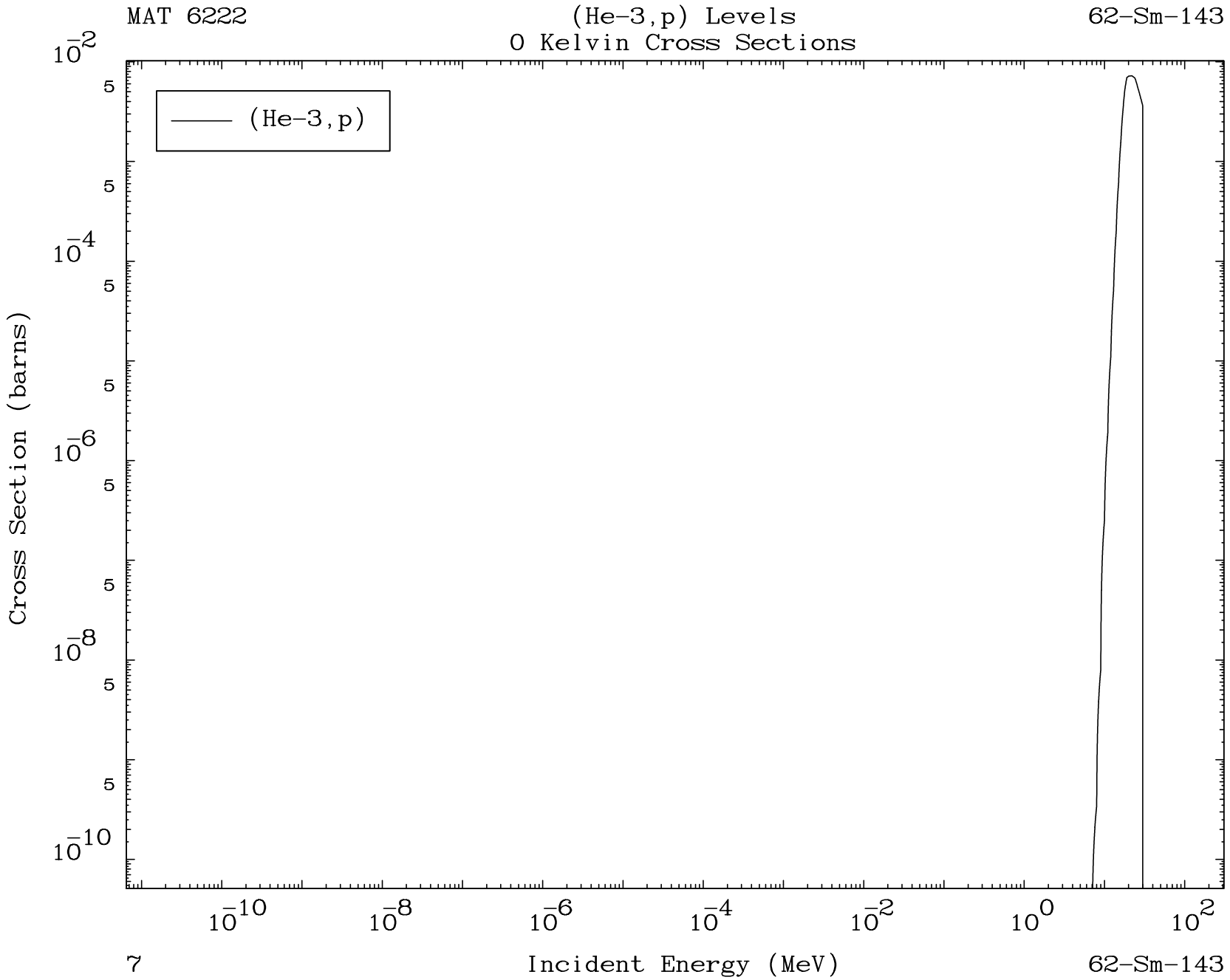

MAT 6222
He-3 Neutron Production
0 Kelvin Cross Sections
62-Sm-143
(He-3,2n)
(He-3,3n)
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
Cross Section (barns)
Incident Energy (MeV)
2
62-Sm-143

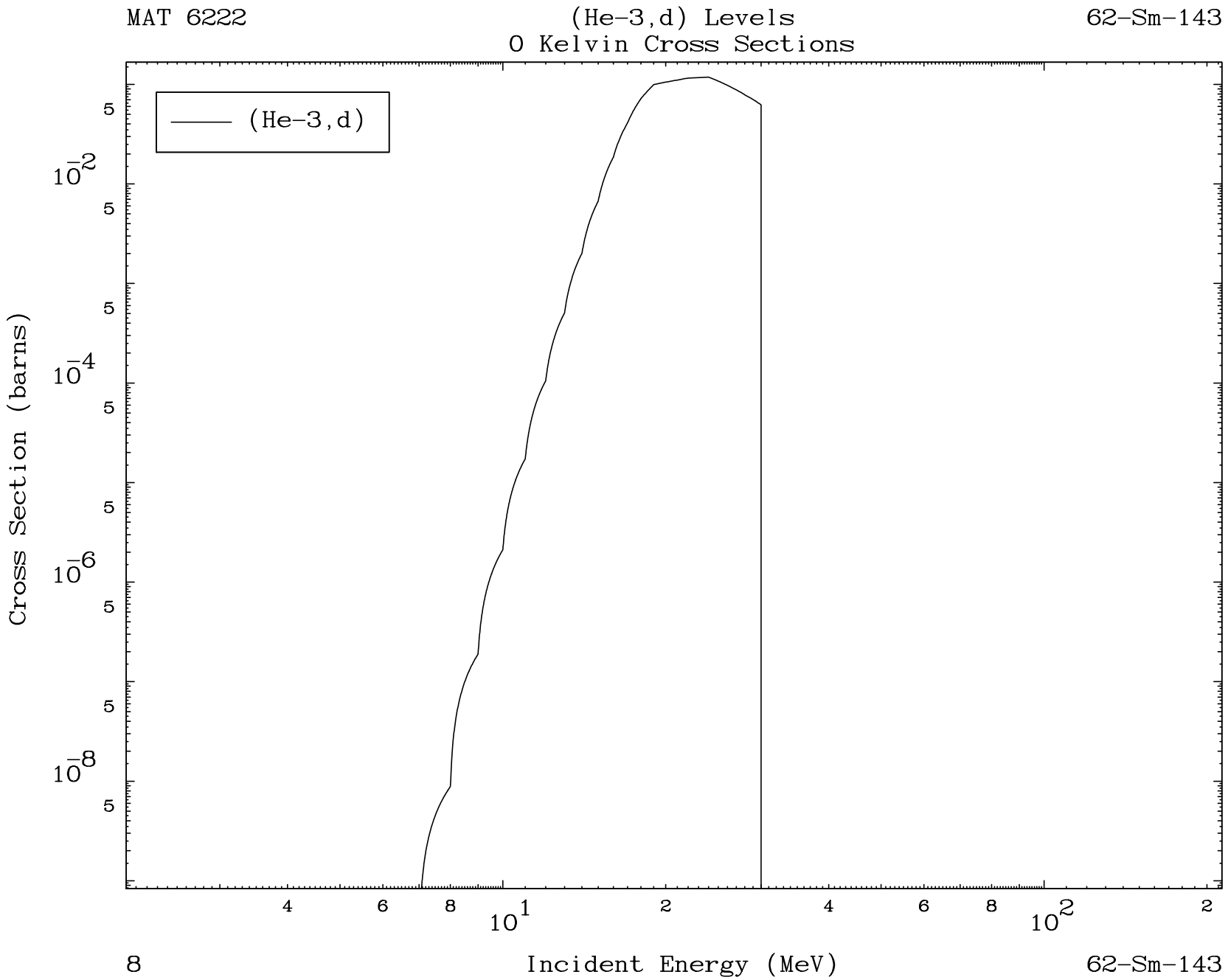

MAT 6222
He-3 Neutron Production
0 Kelvin Cross Sections
62-Sm-143
(He-3,n') 2α
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
3
62-Sm-143

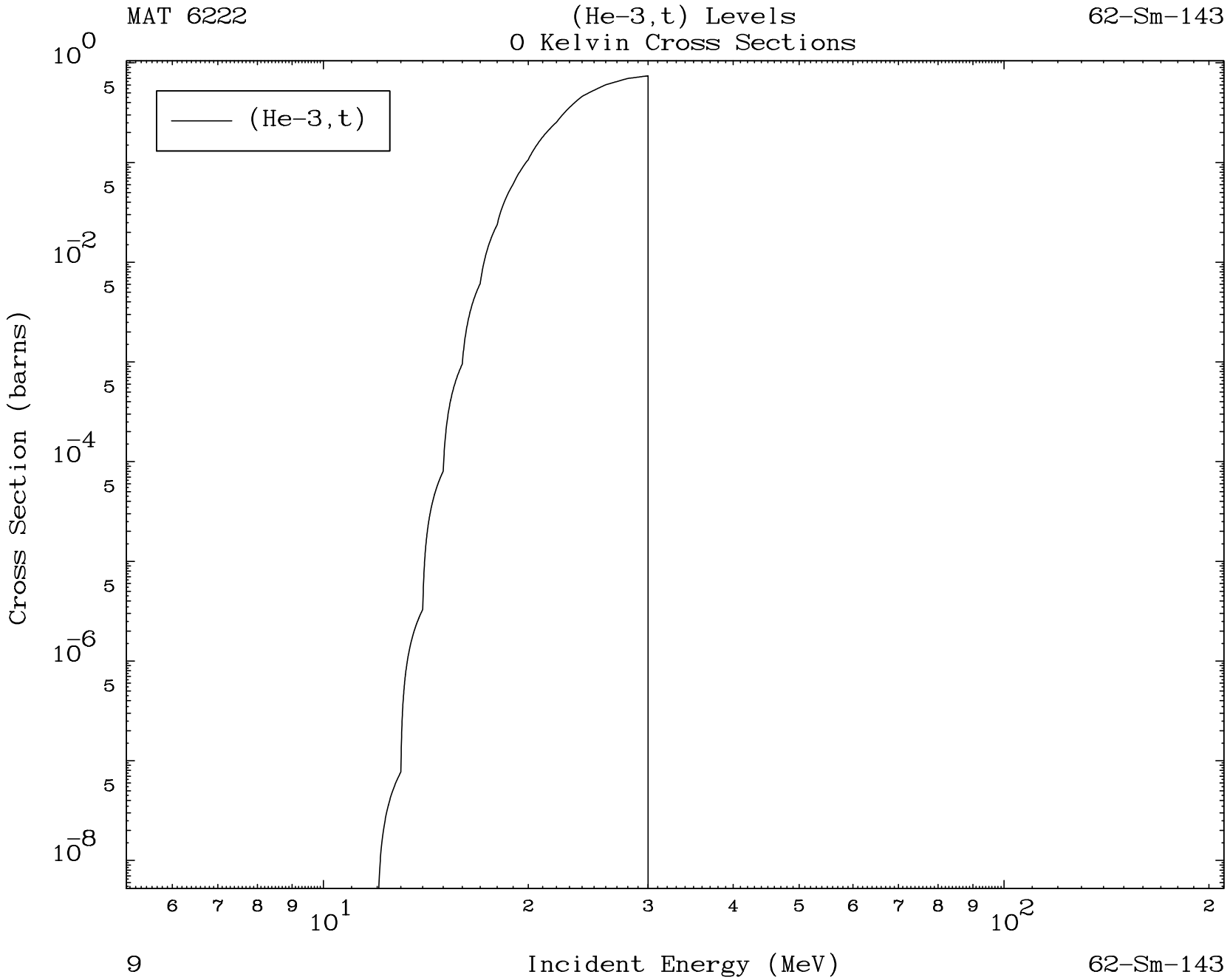

MAT 6222
He-3 Charged Particle
0 Kelvin Cross Sections
62-Sm-143
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') 2α
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
62-Sm-143

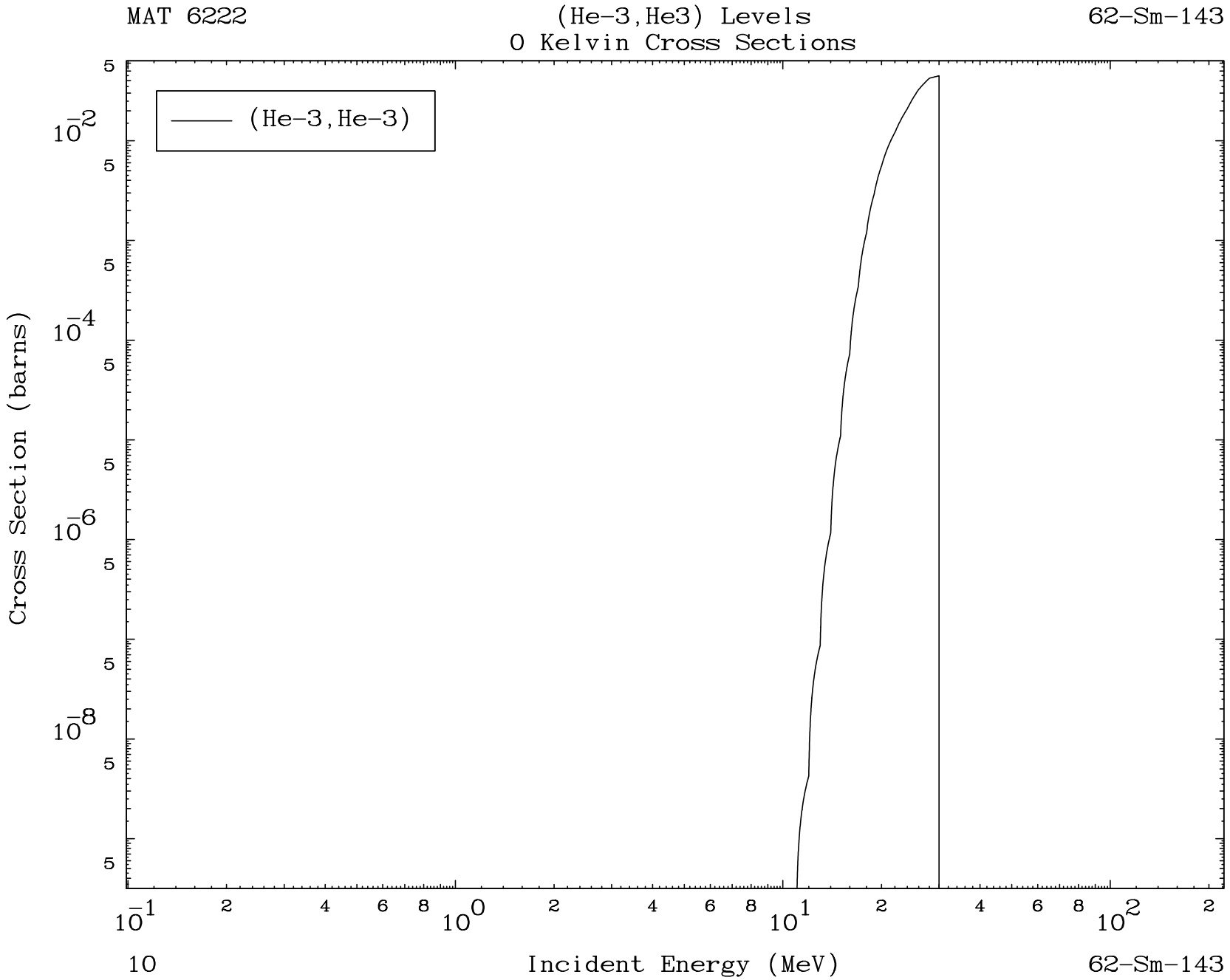

MAT 6222
He-3 Charged Particle
0 Kelvin Cross Sections
62-Sm-143
(He-3,p)
(He-3,d)
(He-3,t)
(He-3,He-3)
(He-3,α)
(He-3,2α)
(He-3,2p)
(He-3,p) α
(He-3,p) d
(He-3,p) t
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143

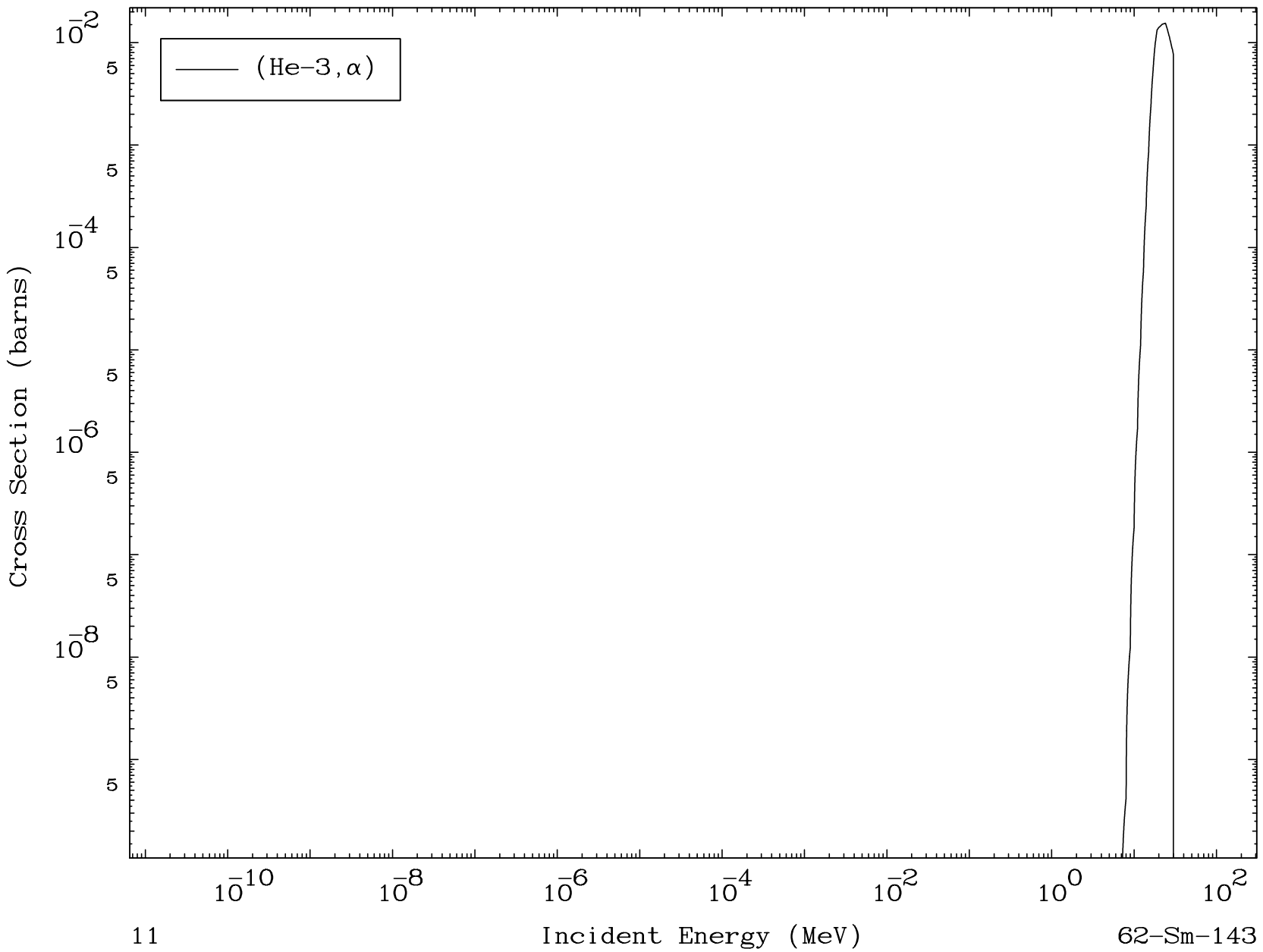

MAT 6222
(He-3,n') Level
62-Sm-143
0 Kelvin Cross Sections
He-3 Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
62-Sm-143

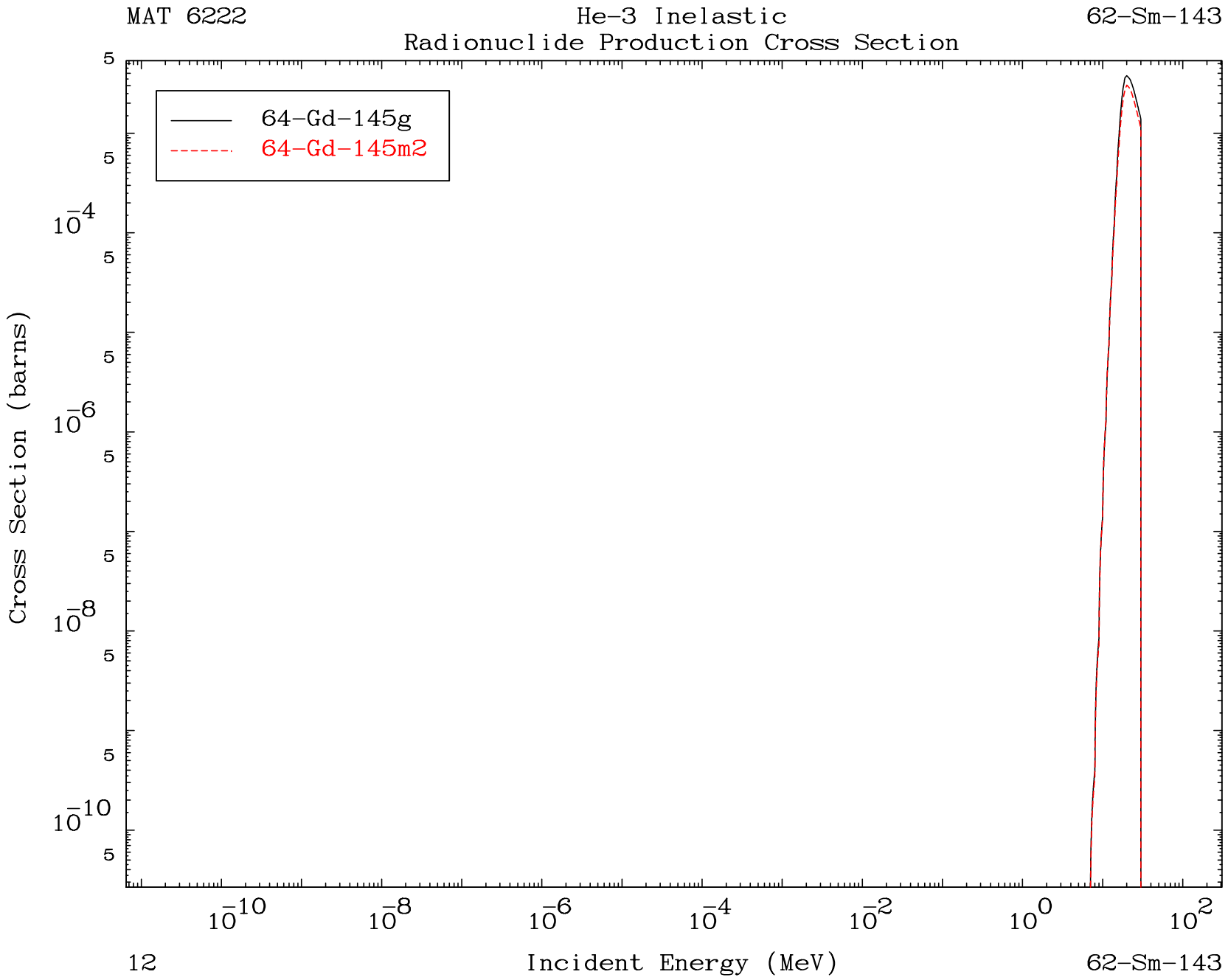

MAT 6222
(He-3,p) Levels
62-Sm-143
0 Kelvin Cross Sections
(He-3,p)
Cross Section (barns)
Incident Energy (MeV)
7
62-Sm-143

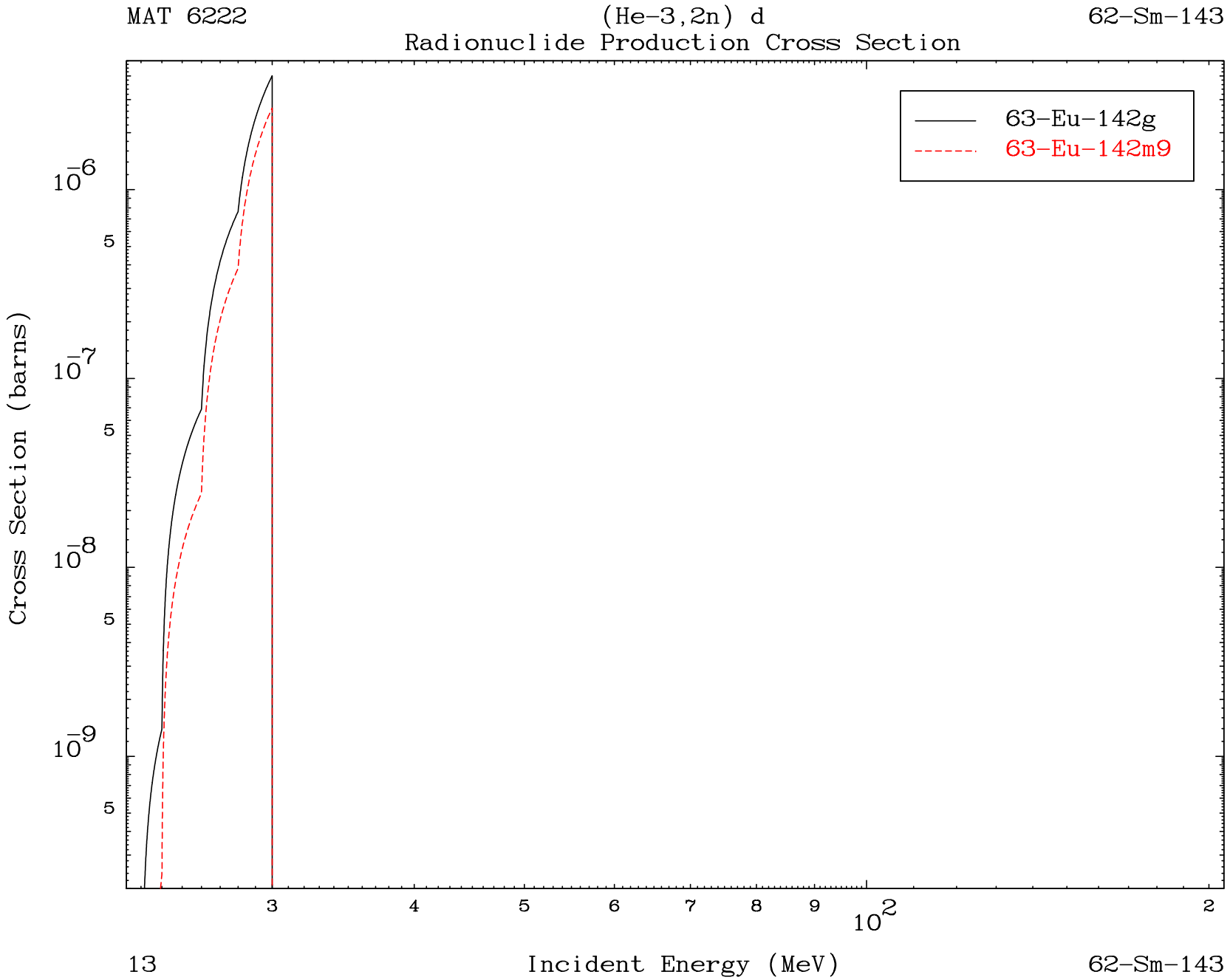

MAT 6222
(He-3,d) Levels
62-Sm-143
0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
8
62-Sm-143

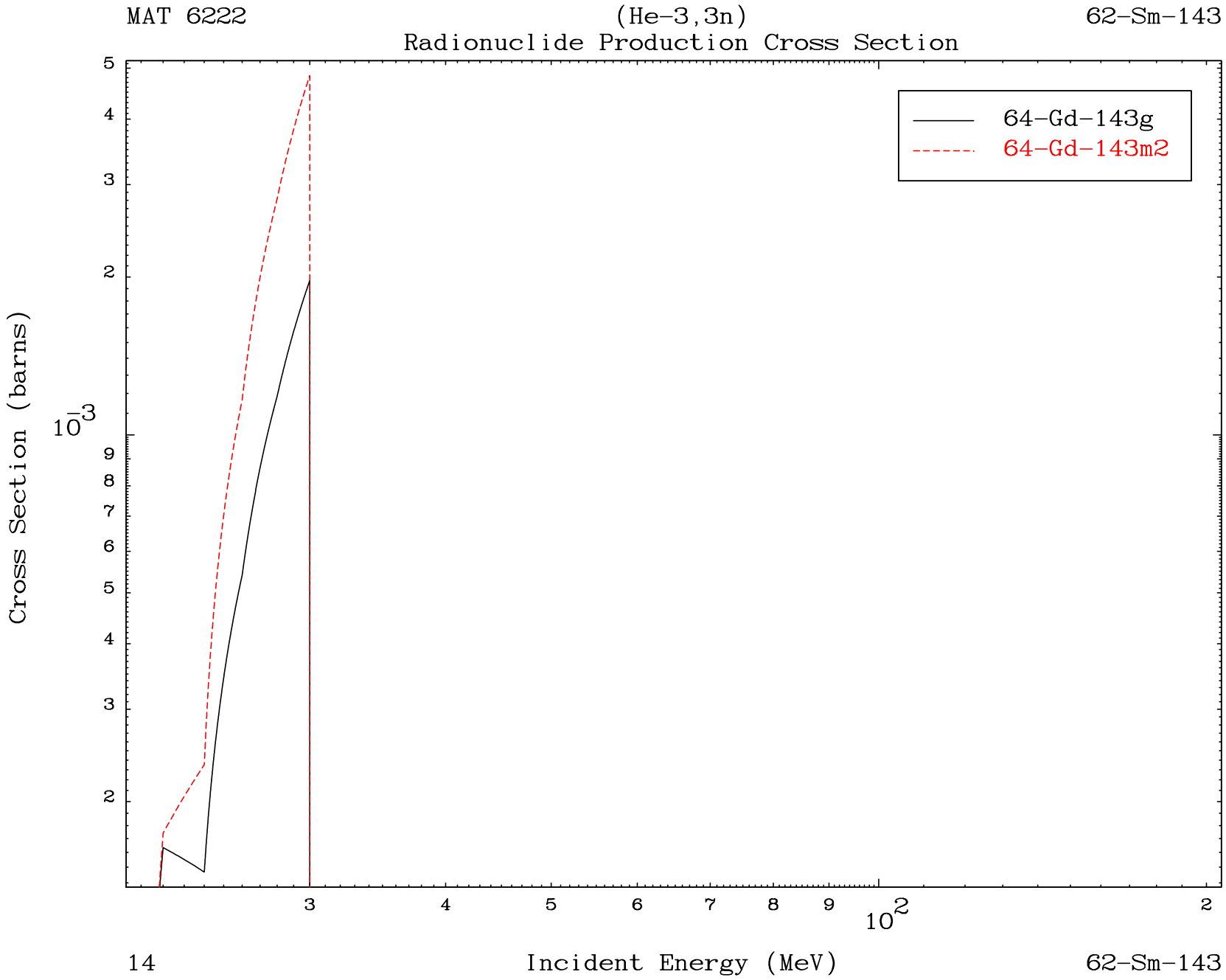

MAT 6222
(He-3,t) Levels
62-Sm-143
0 Kelvin Cross Sections
(He-3,t)
Cross Section (barns)
Incident Energy (MeV)
9
62-Sm-143

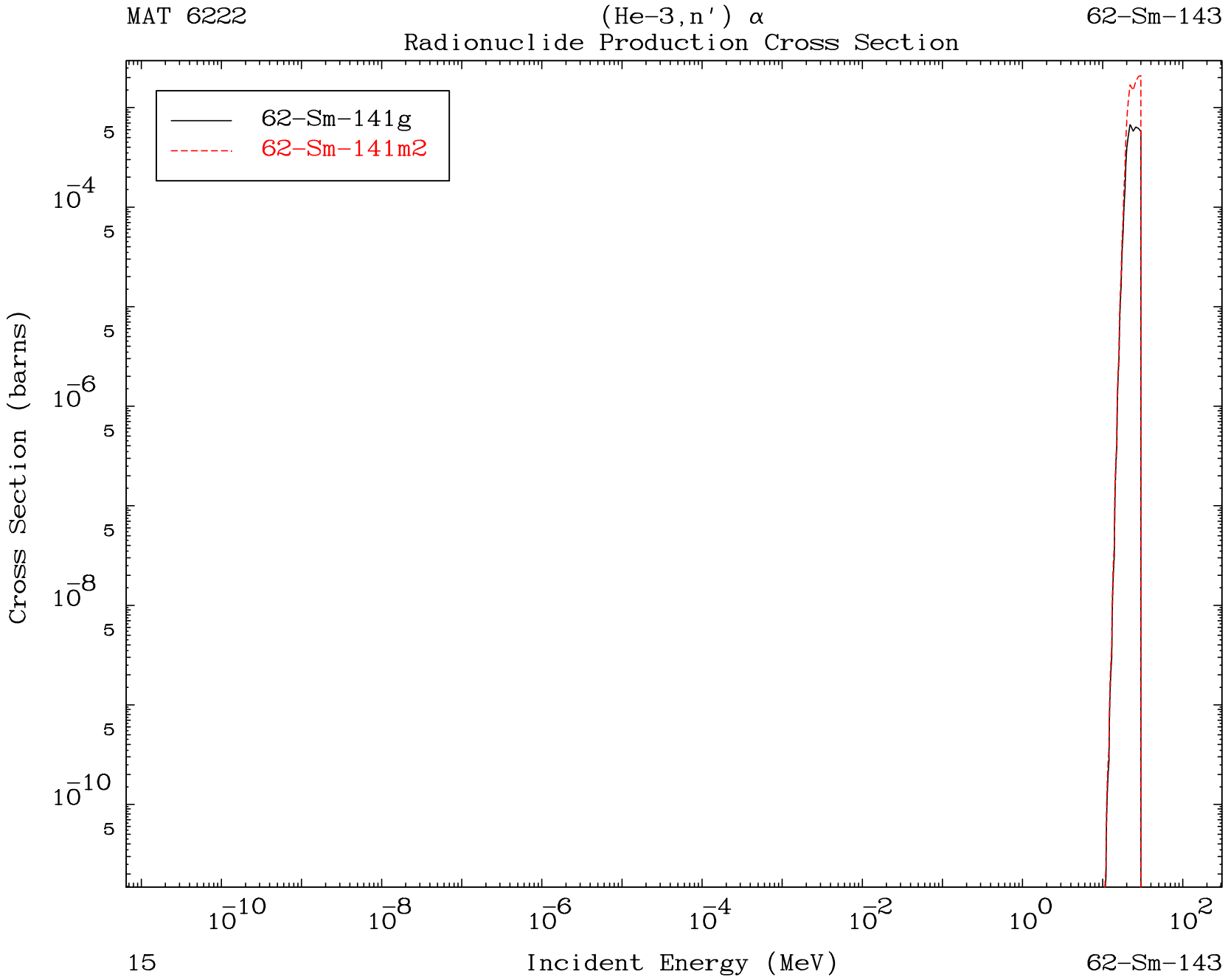

MAT 6222
(He-3,He3) Levels
62-Sm-143
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143

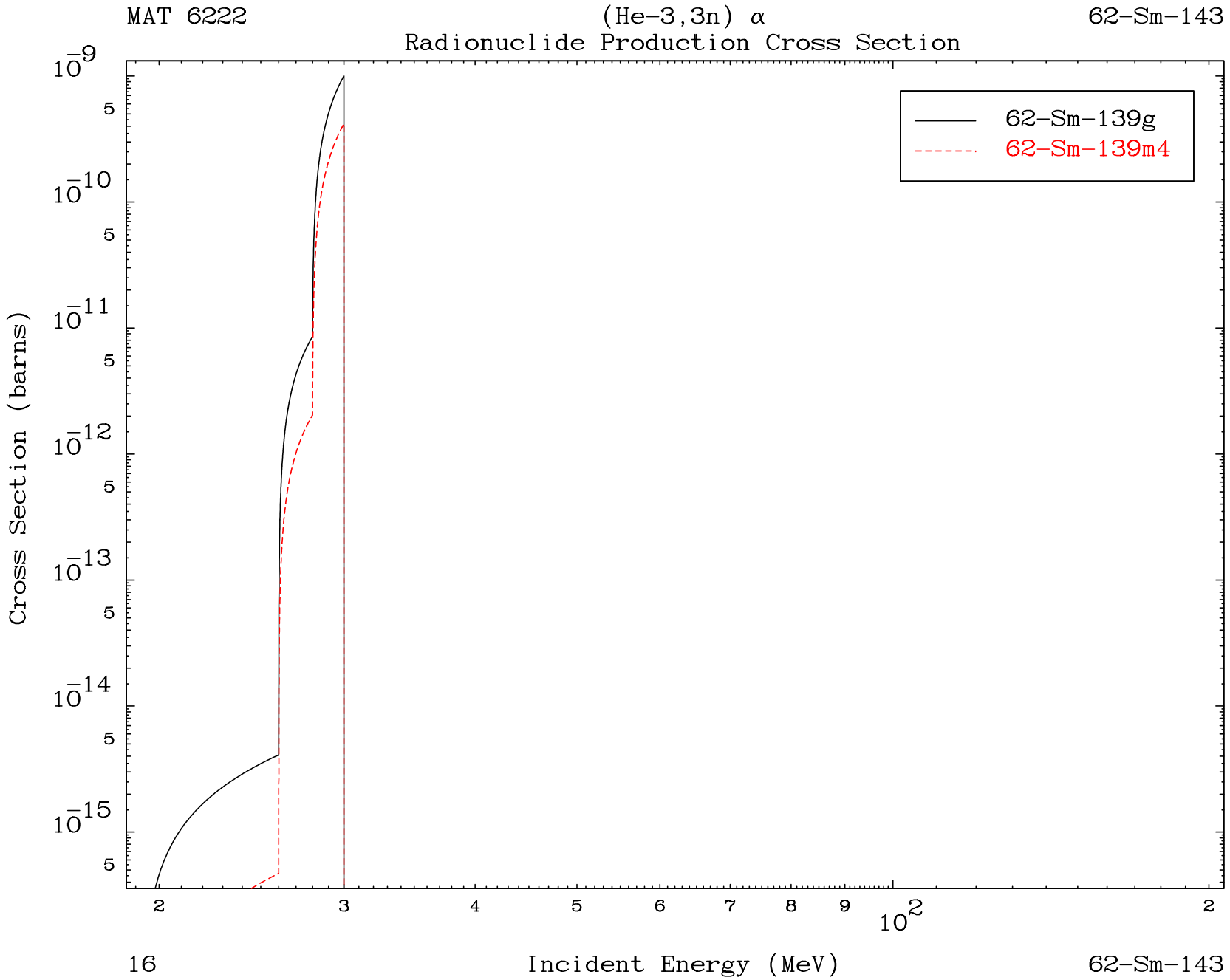

0 Kelvin Cross Sections
(He-3,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)

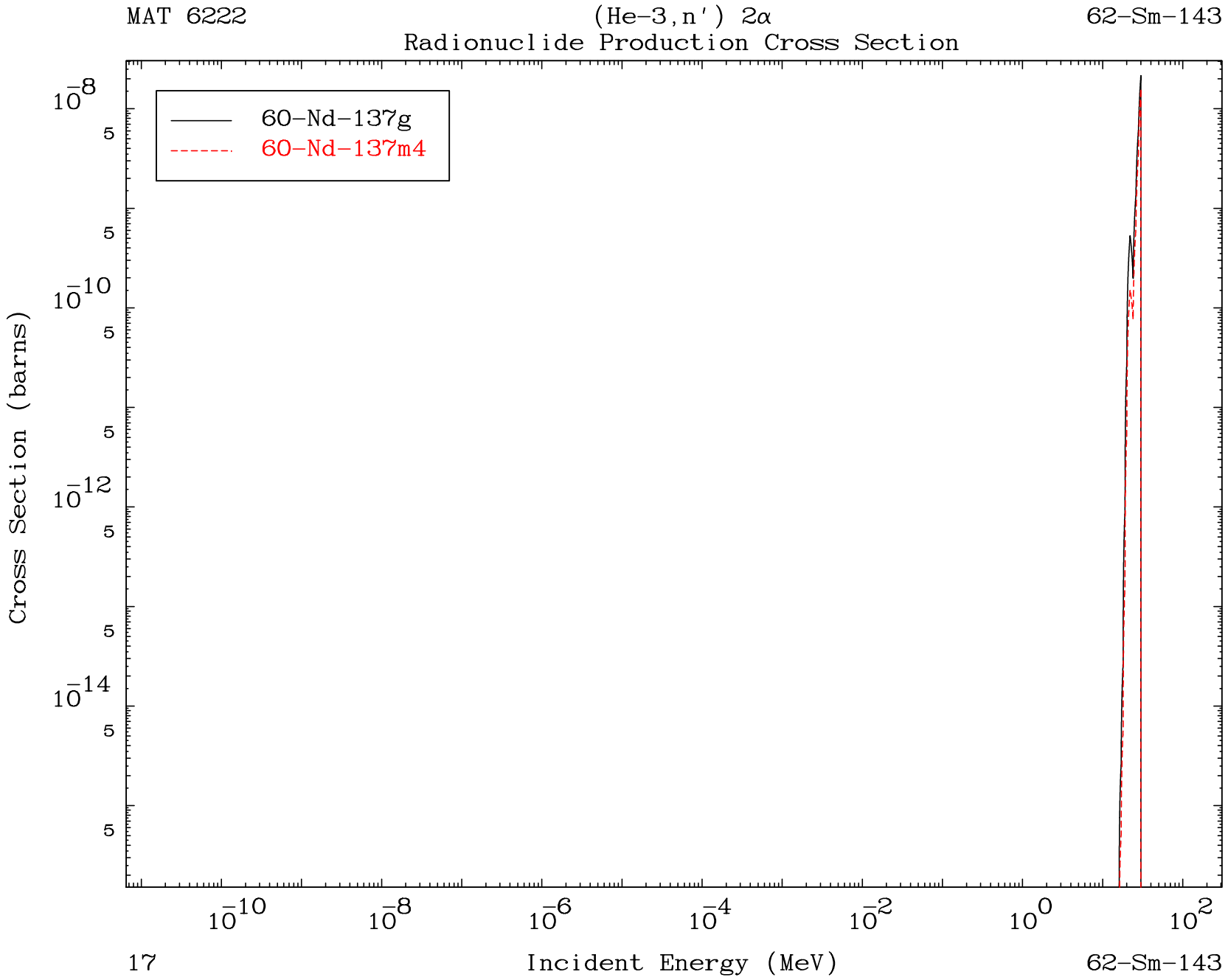

MAT 6222
He-3 Inelastic
62-Sm-143
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143
12

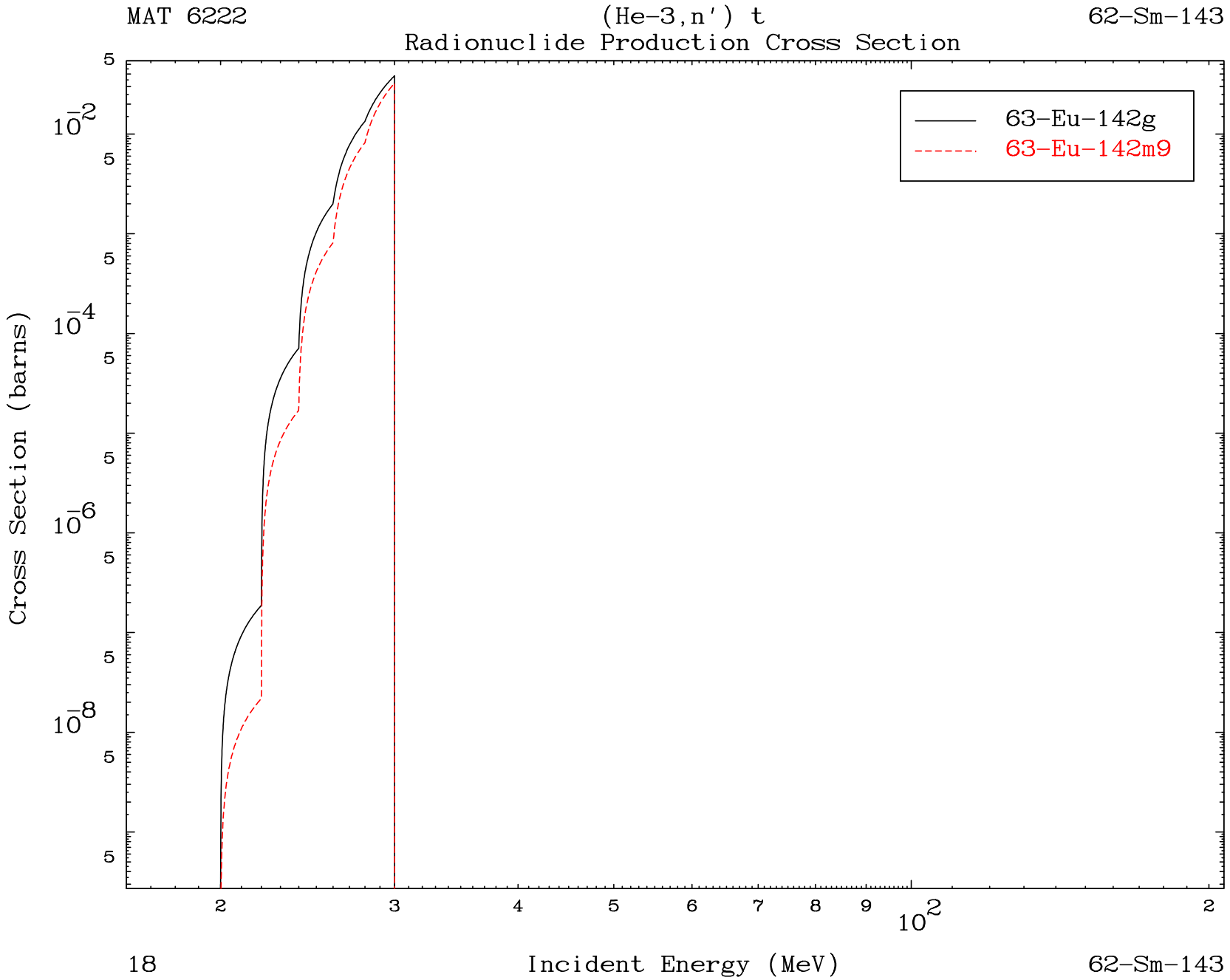

MAT 6222
(He-3,2n) d
62-Sm-143
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
10-6
10-7
10-8
10-9
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
62-Sm-143

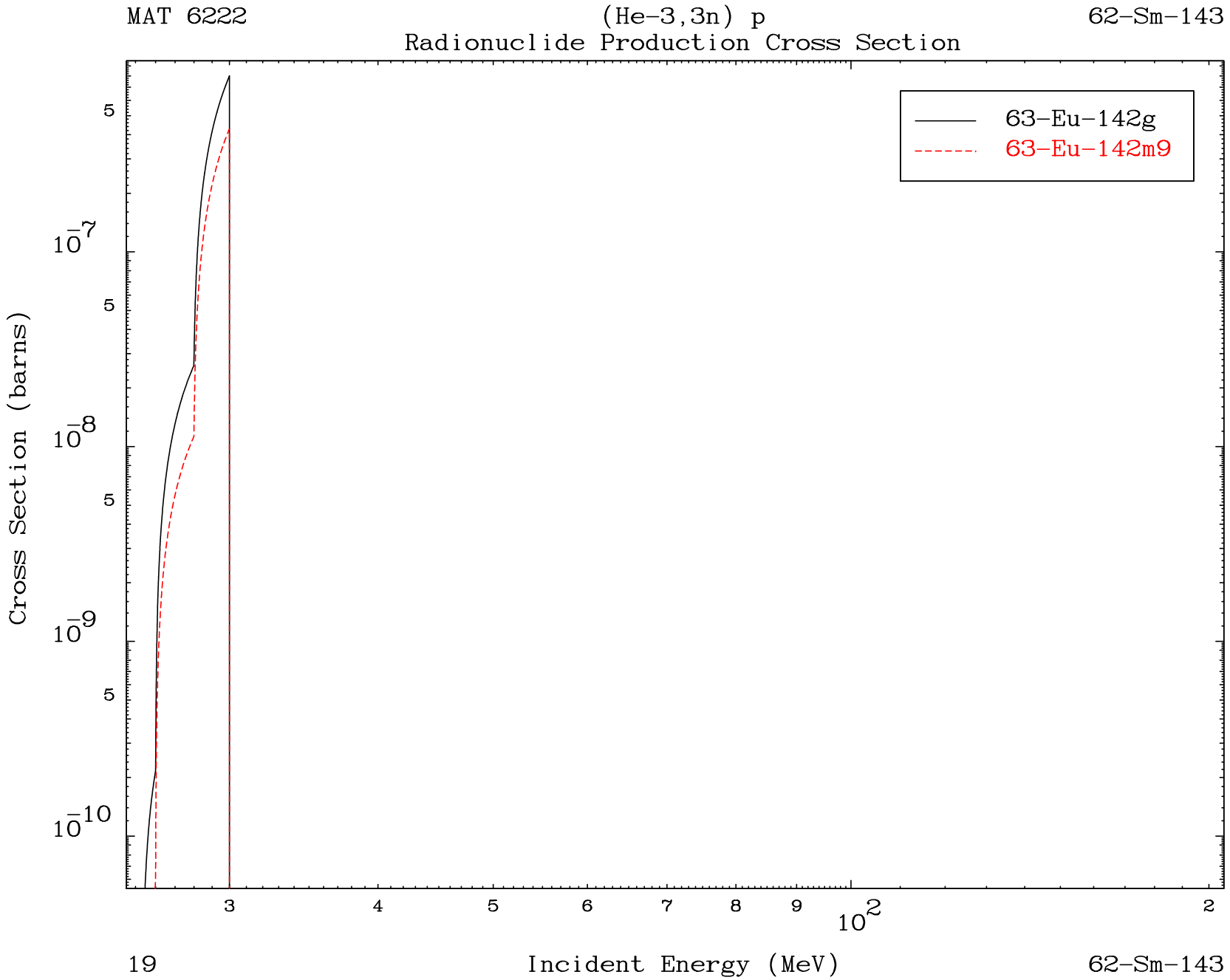

MAT 6222
(He-3,3n)
62-Sm-143
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
10^3
10^2
Incident Energy (MeV)
14
62-Sm-143

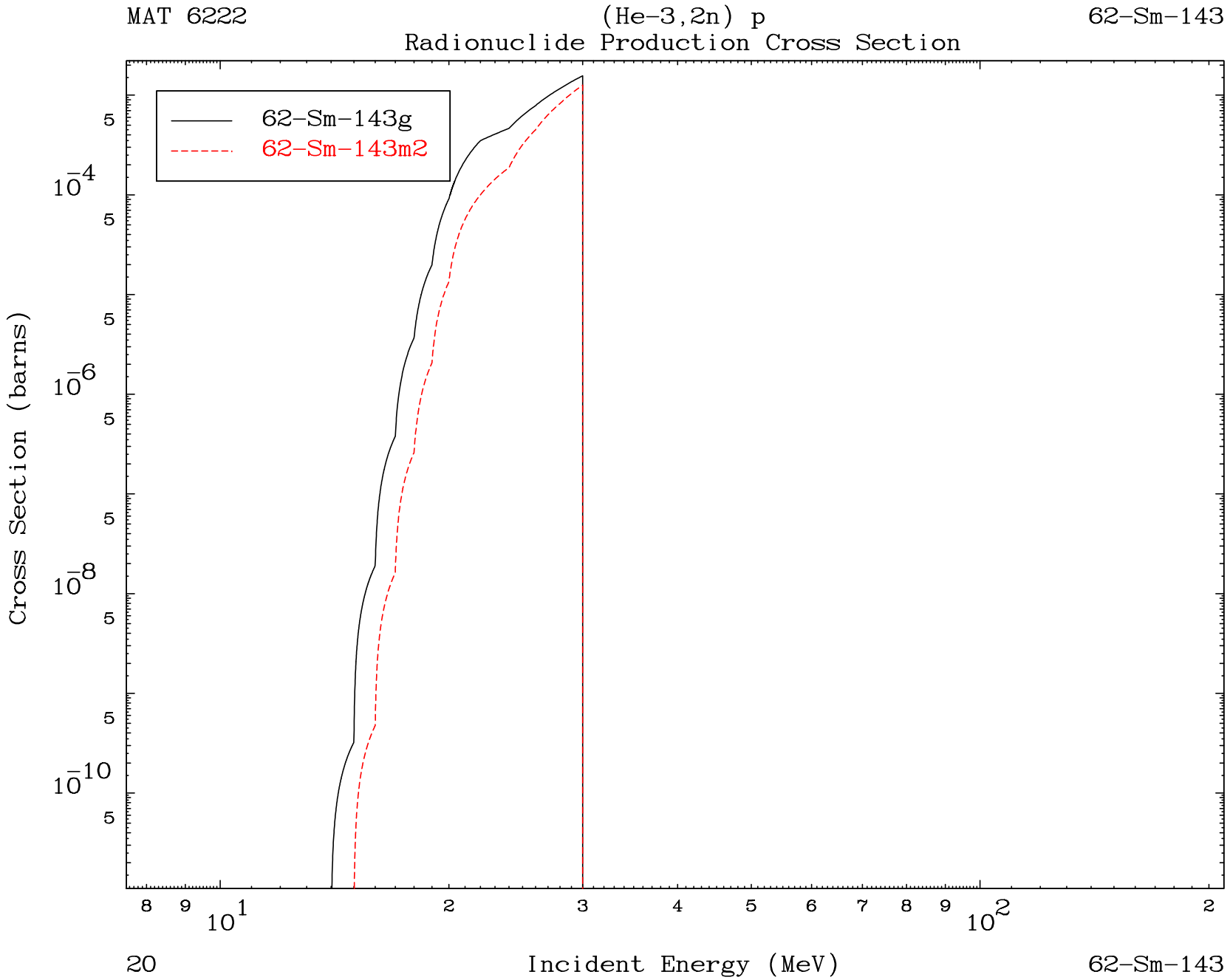

MAT 6222
(He-3,n') α
62-Sm-143
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
15
62-Sm-143

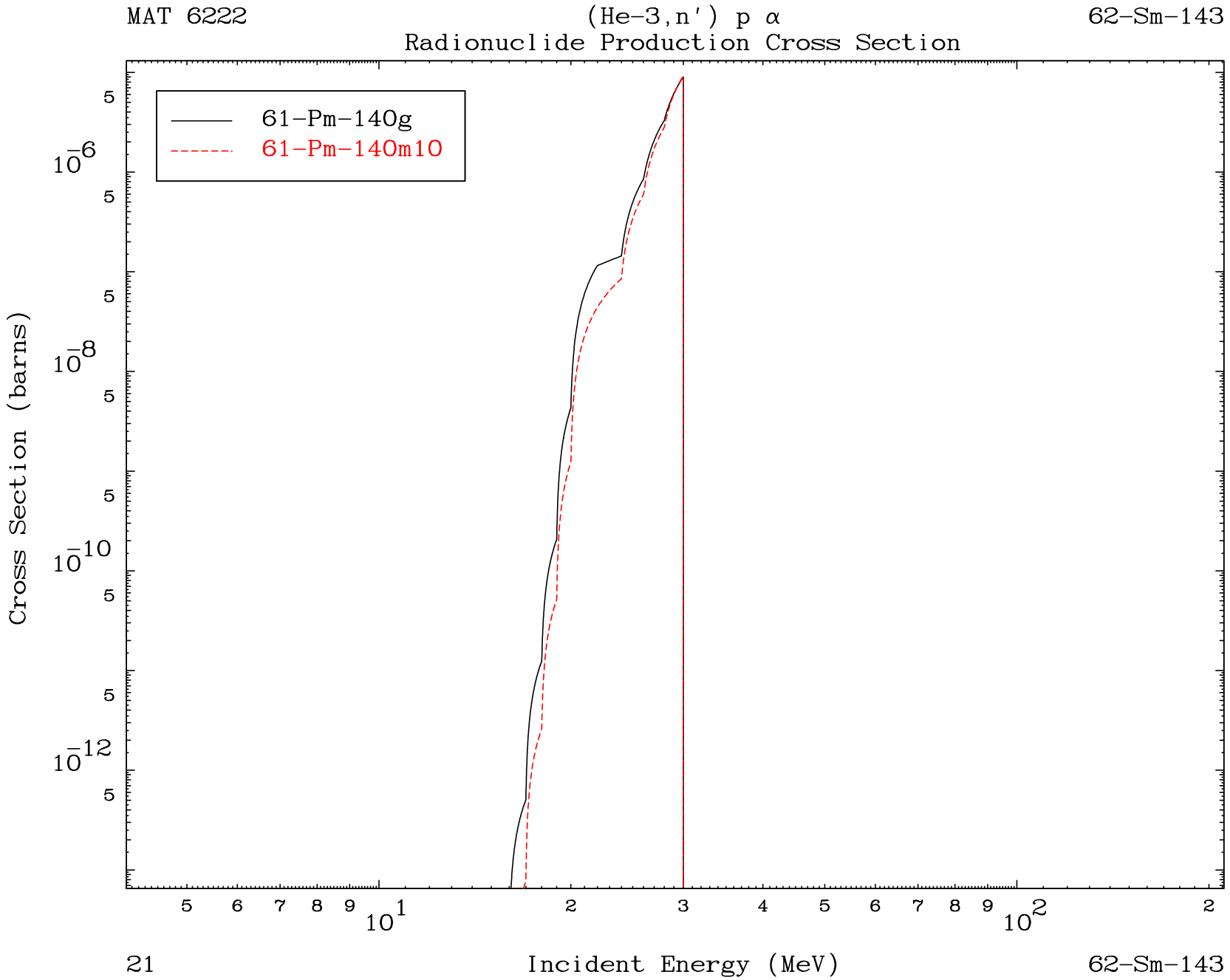

MAT 6222
(He-3,3n) α
62-Sm-143
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
Incident Energy (MeV)
16
62-Sm-143

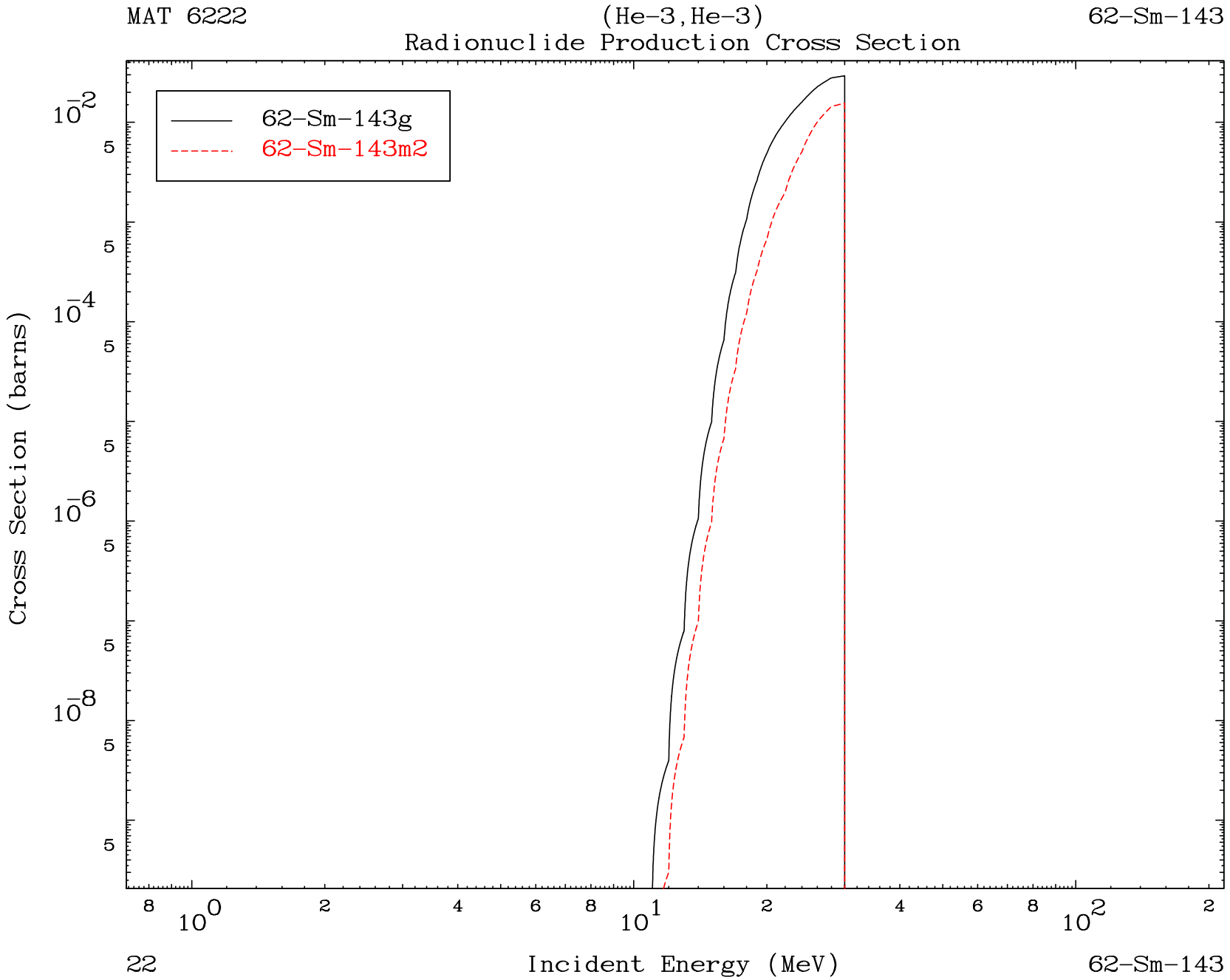

MAT 6222
(He-3,n') 2α
62-Sm-143
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
Incident Energy (MeV)
17
62-Sm-143

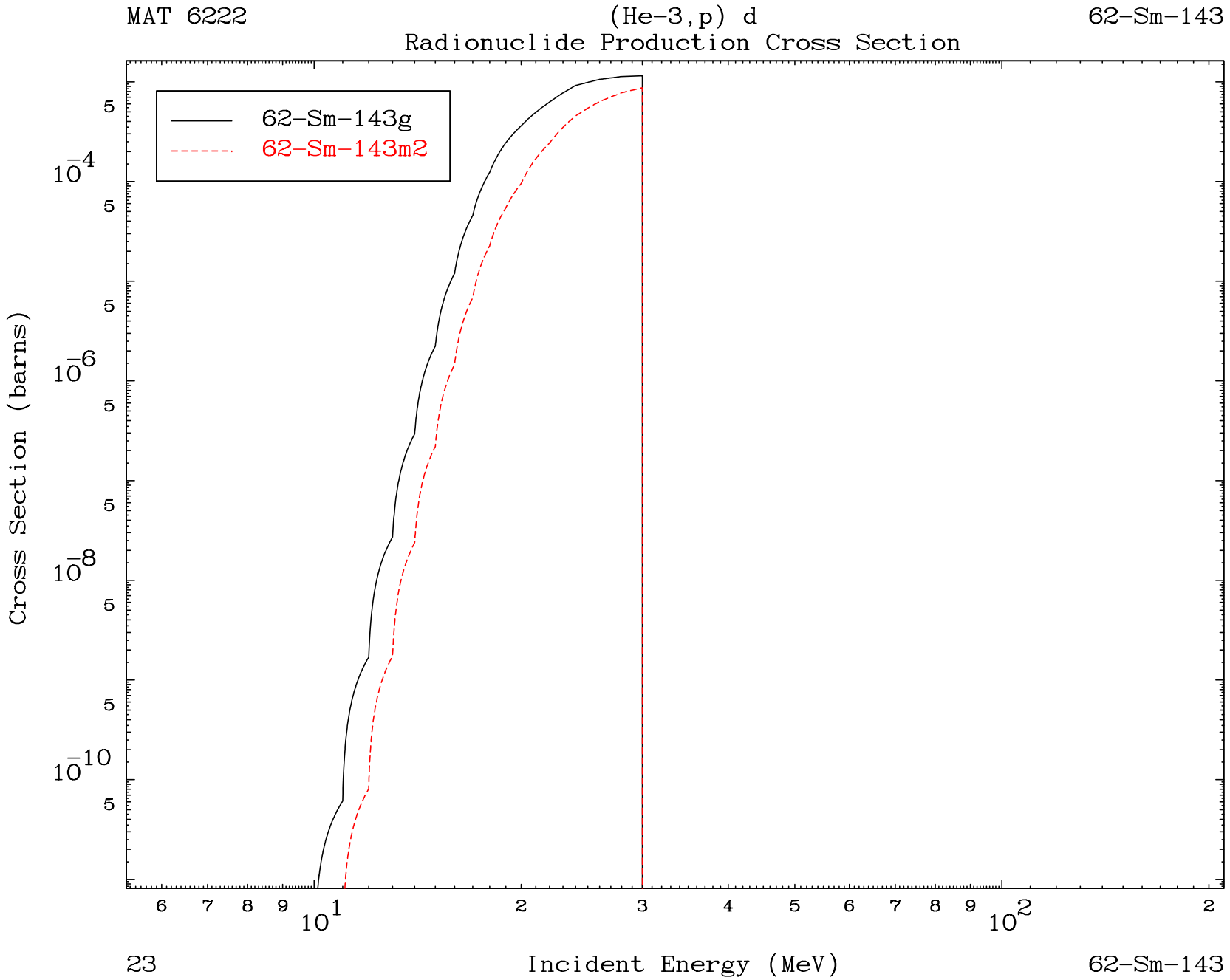

MAT 6222
(He-3,n') t
62-Sm-143
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
Incident Energy (MeV)
18
62-Sm-143

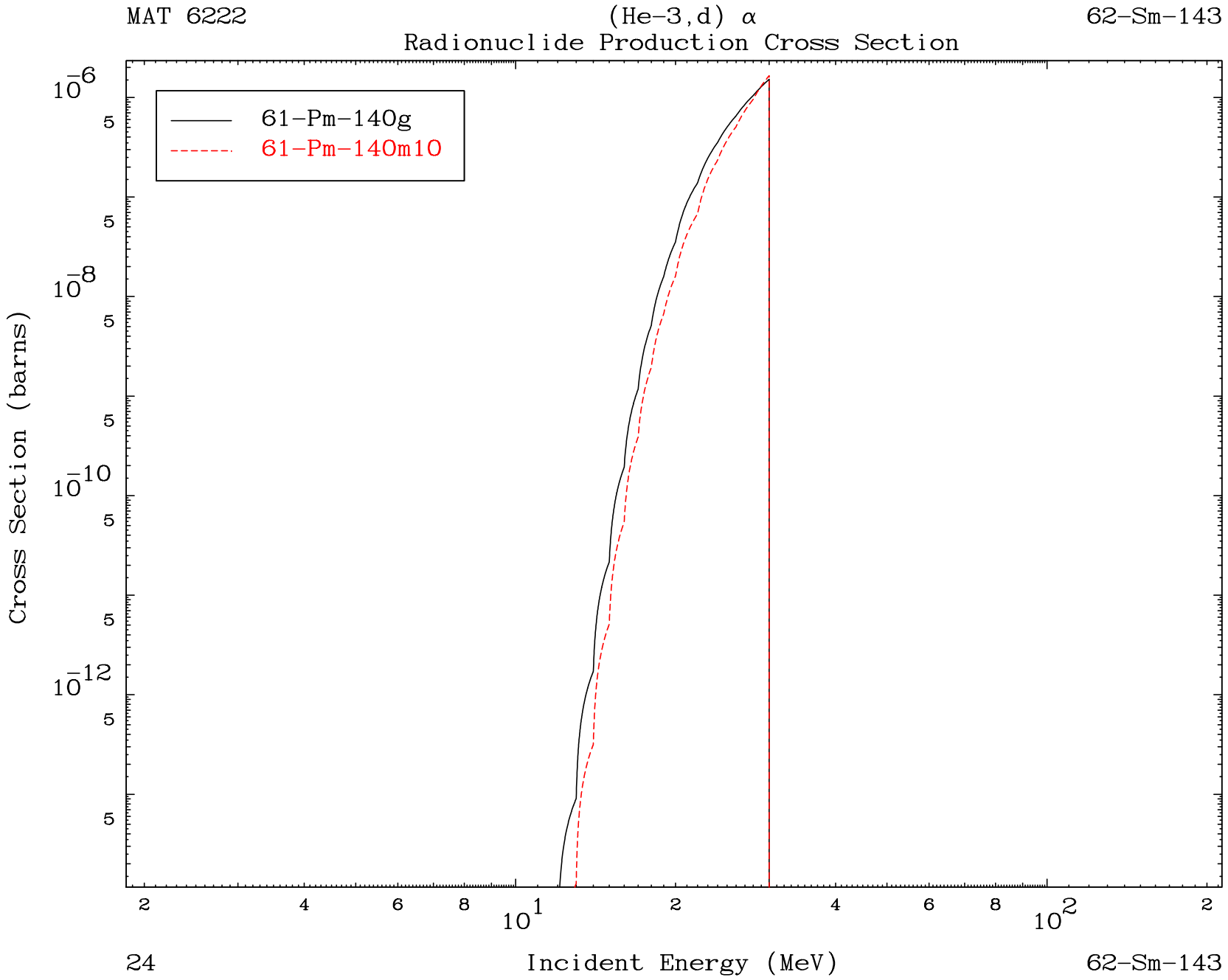

MAT 6222
(He-3,3n) p
62-Sm-143
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
10-7
10-8
10-9
10-10
5
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
62-Sm-143


MAT 6222
(He-3,2n) p
62-Sm-143
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
20
62-Sm-143


MAT 6222
(He-3,n') p α
62-Sm-143
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
21
62-Sm-143


MAT 6222
(He-3,He-3)
62-Sm-143
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
22
62-Sm-143


MAT 6222
(He-3,p) d
62-Sm-143
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
23
62-Sm-143


MAT 6222
(He-3,d) α
62-Sm-143
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
24
62-Sm-143