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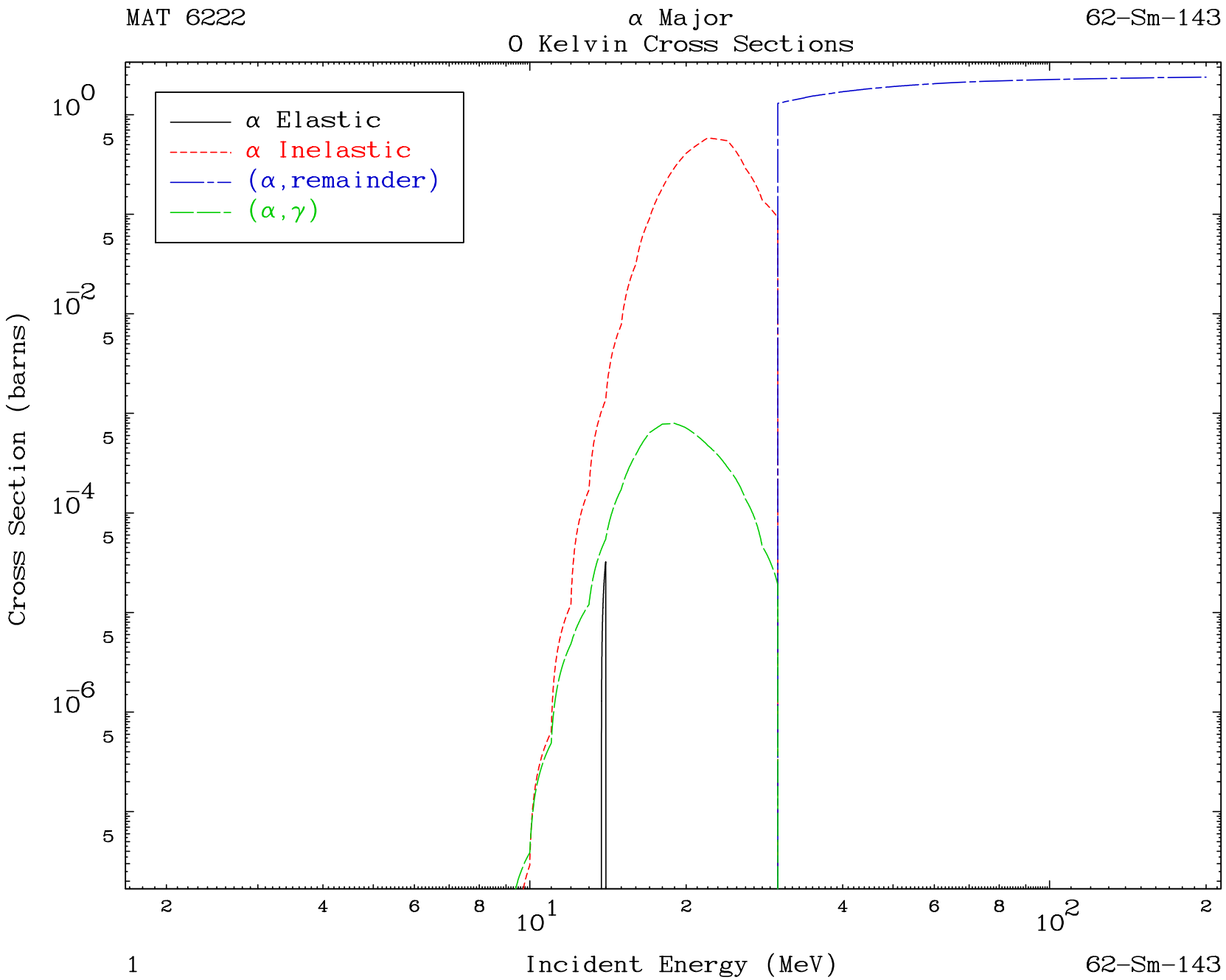
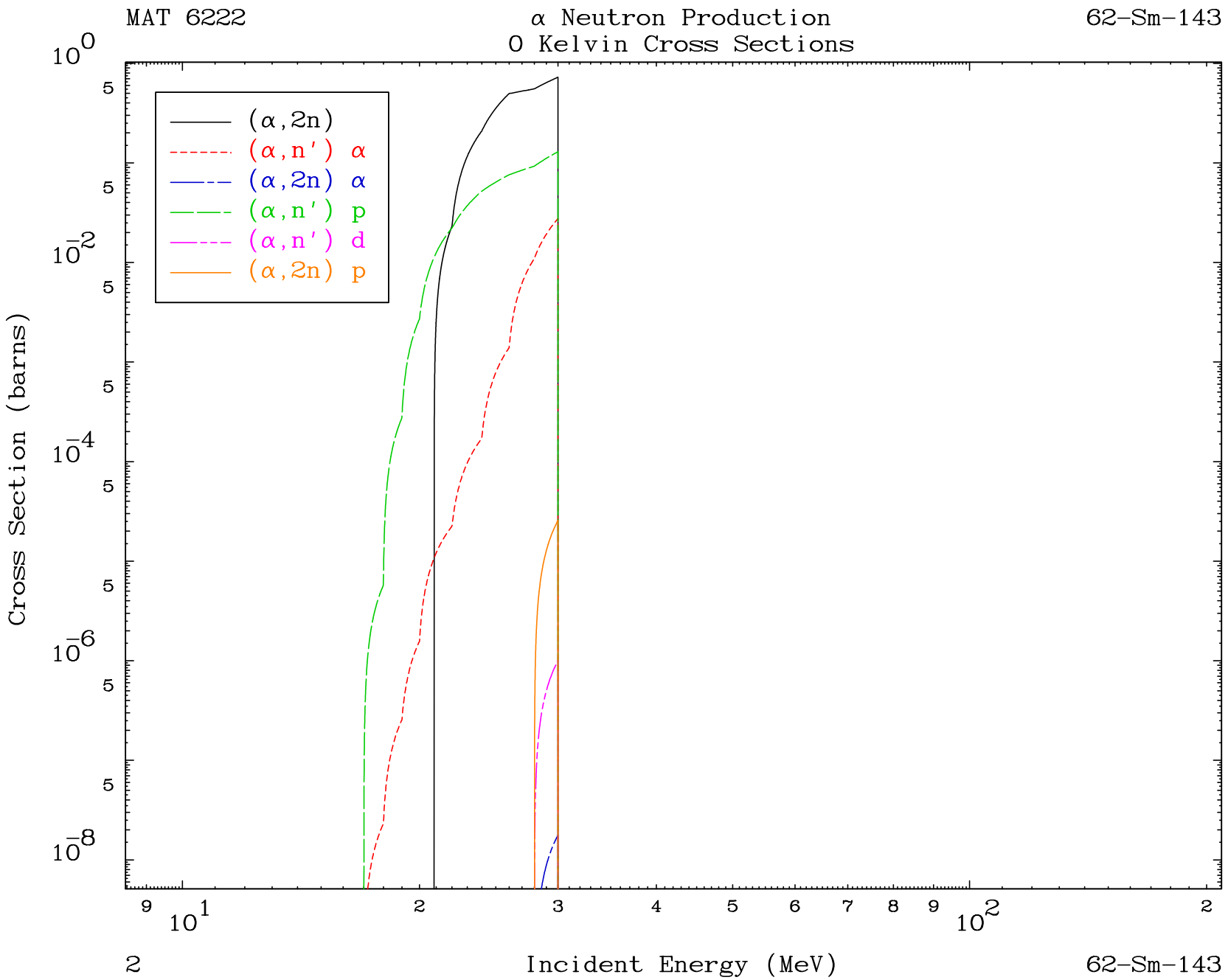
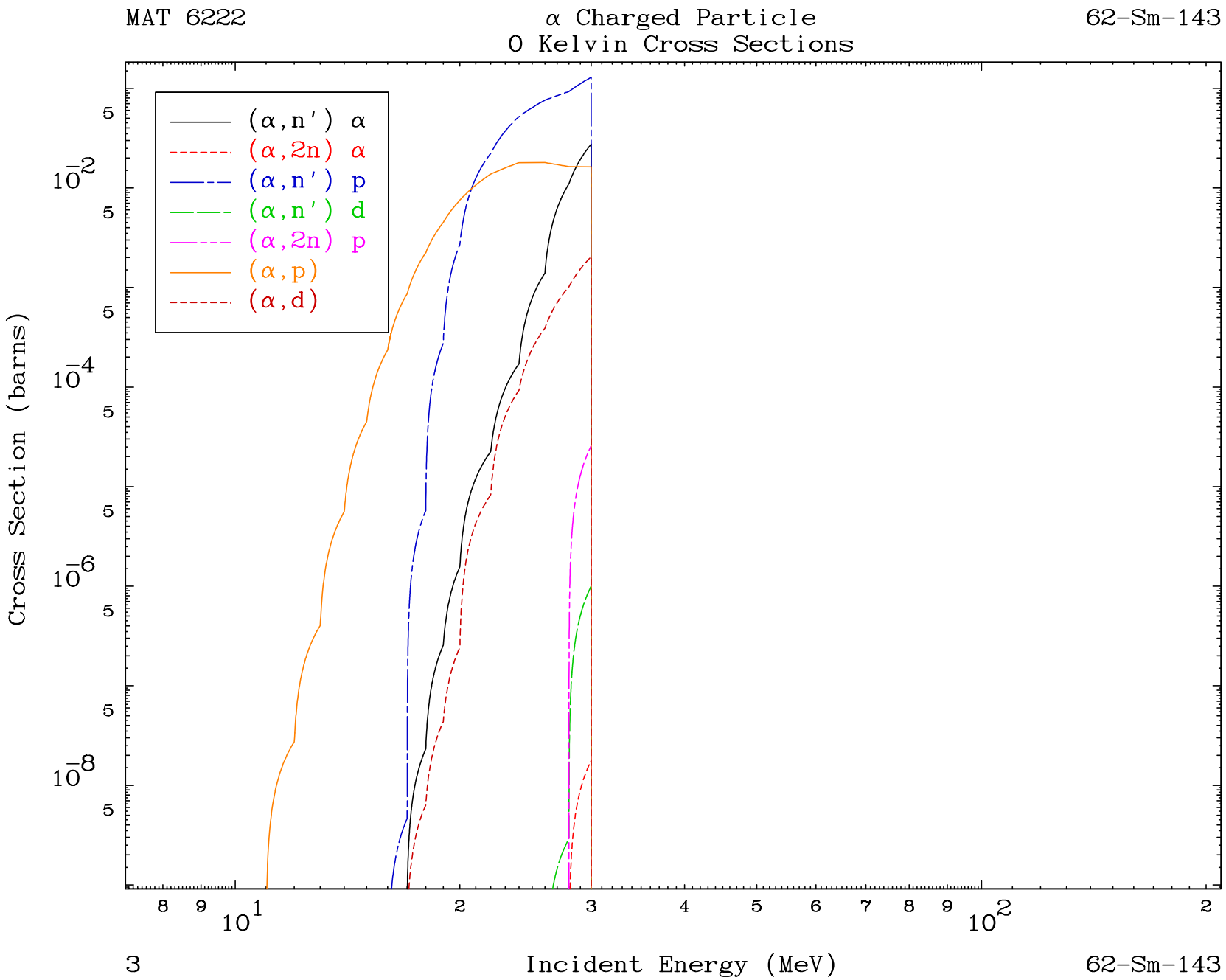
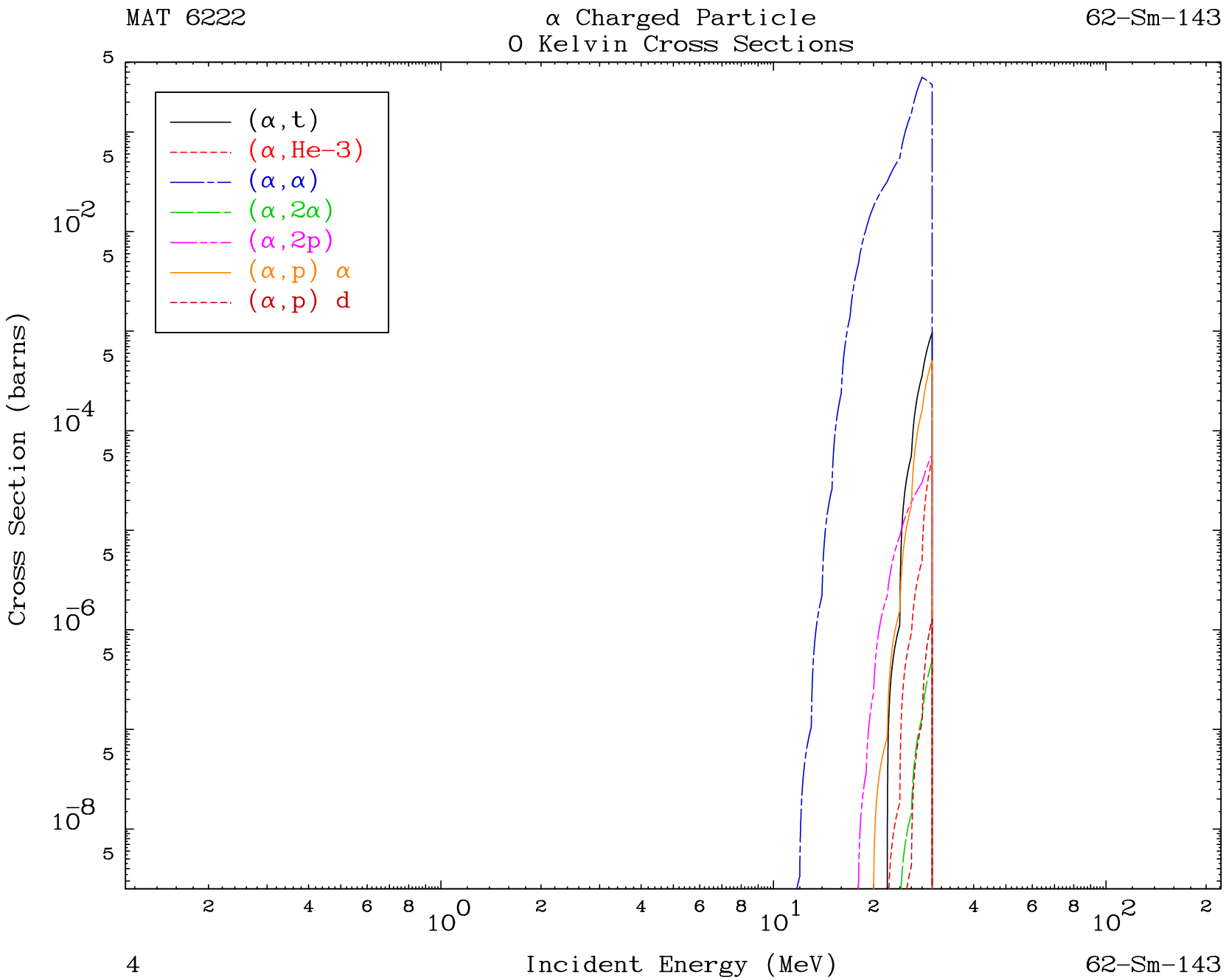
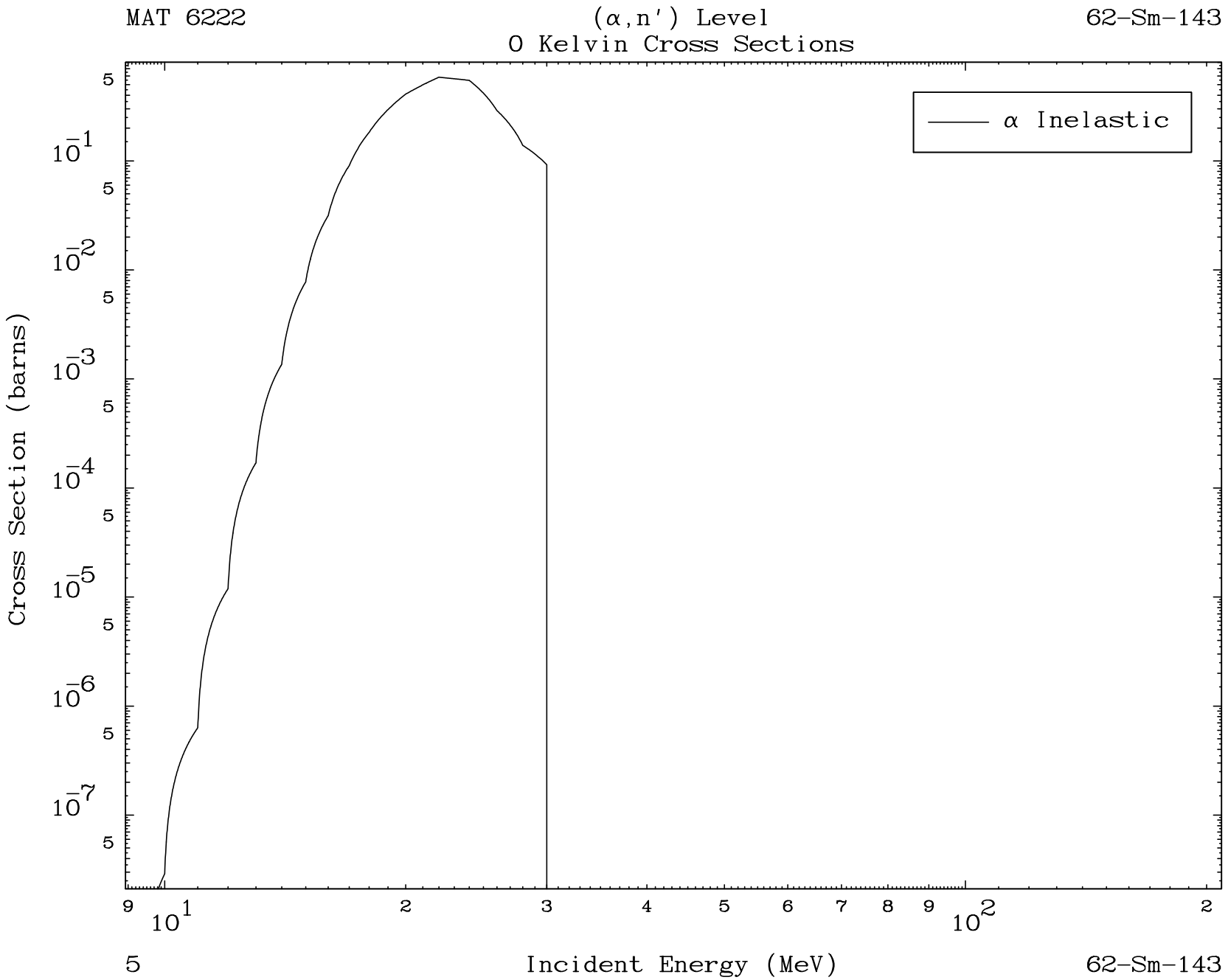
Press Mouse Button to Start

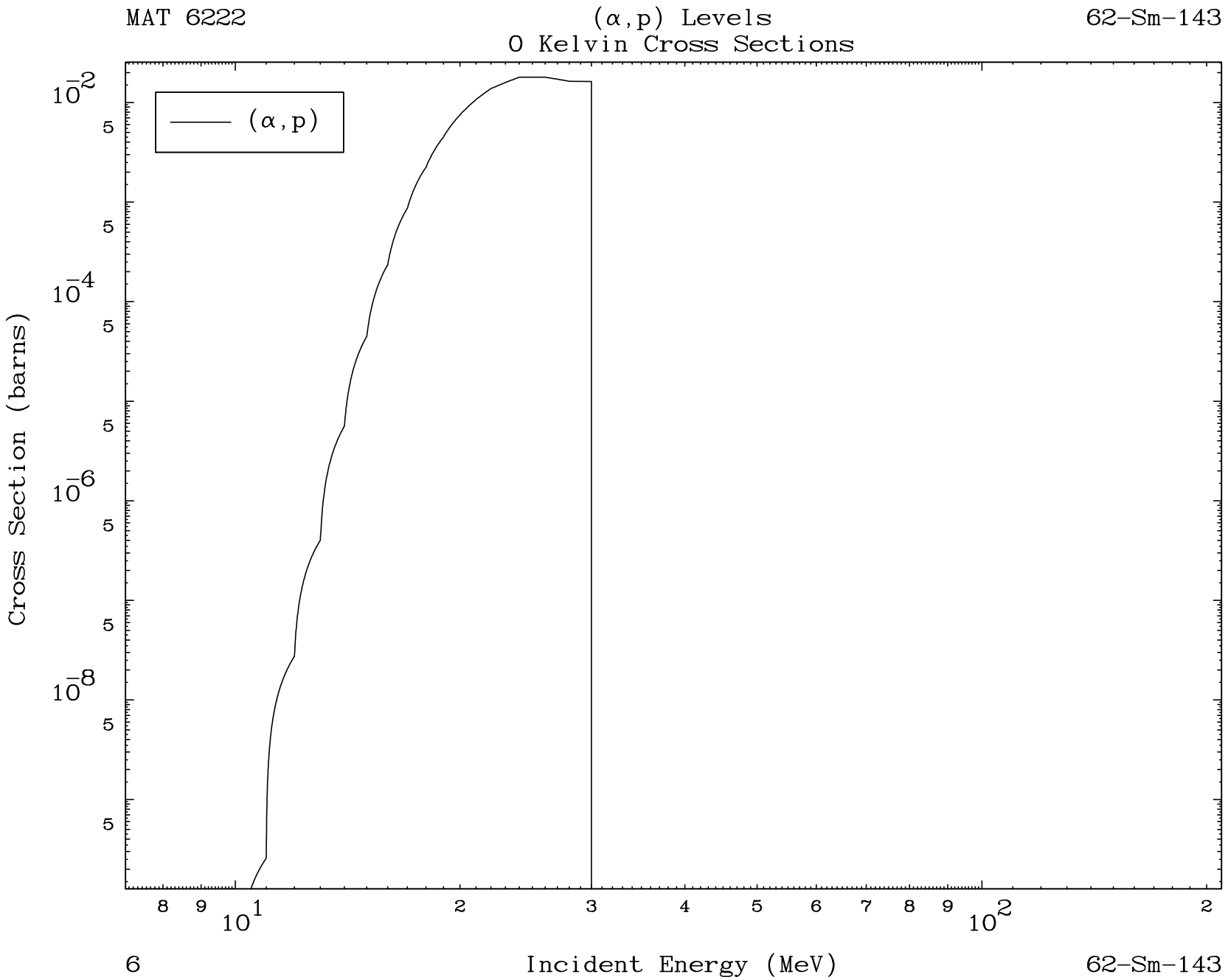

MAT 6222
α Major
62-Sm-143
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143

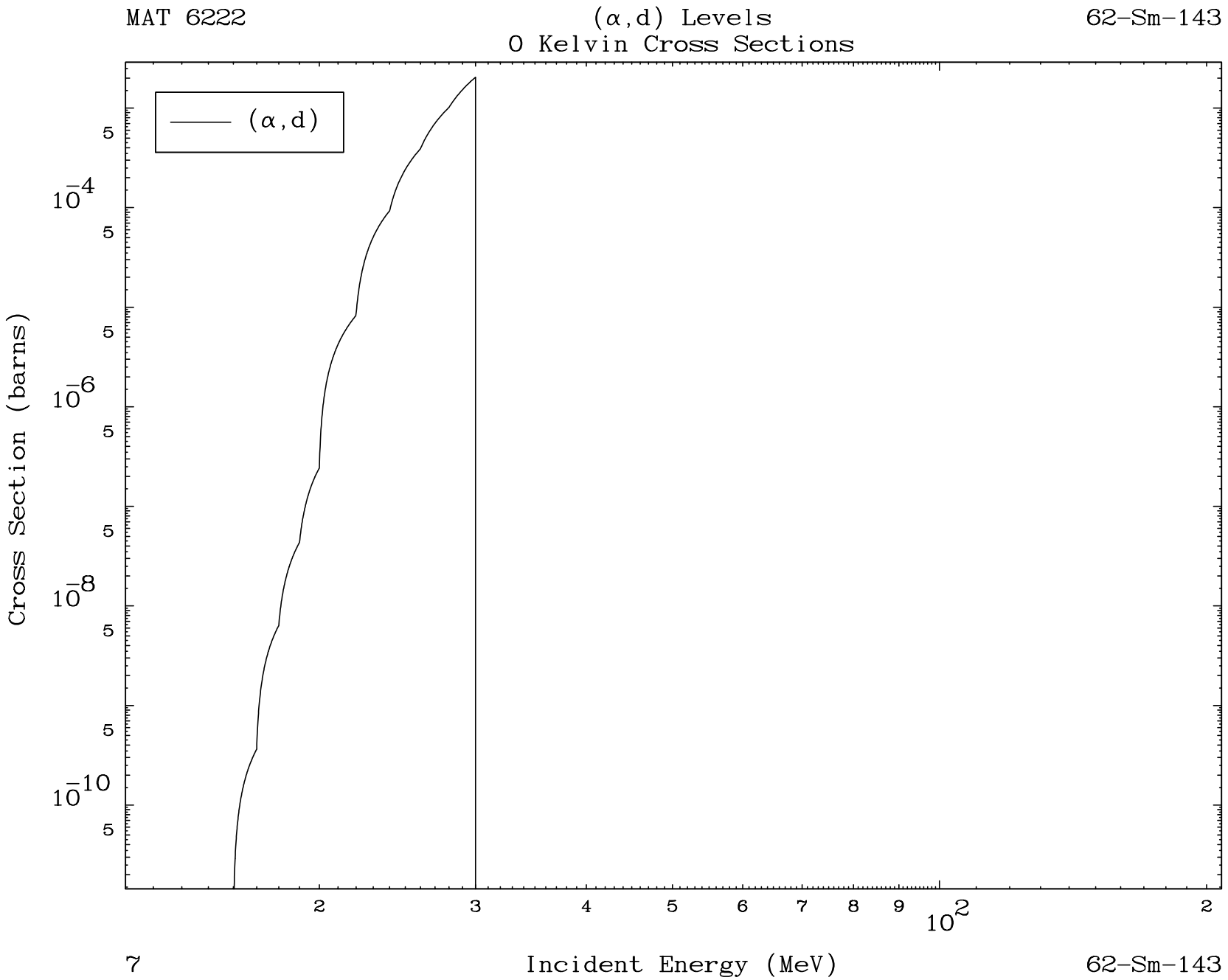

MAT 6222
α Neutron Production
0 Kelvin Cross Sections
62-Sm-143
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143


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

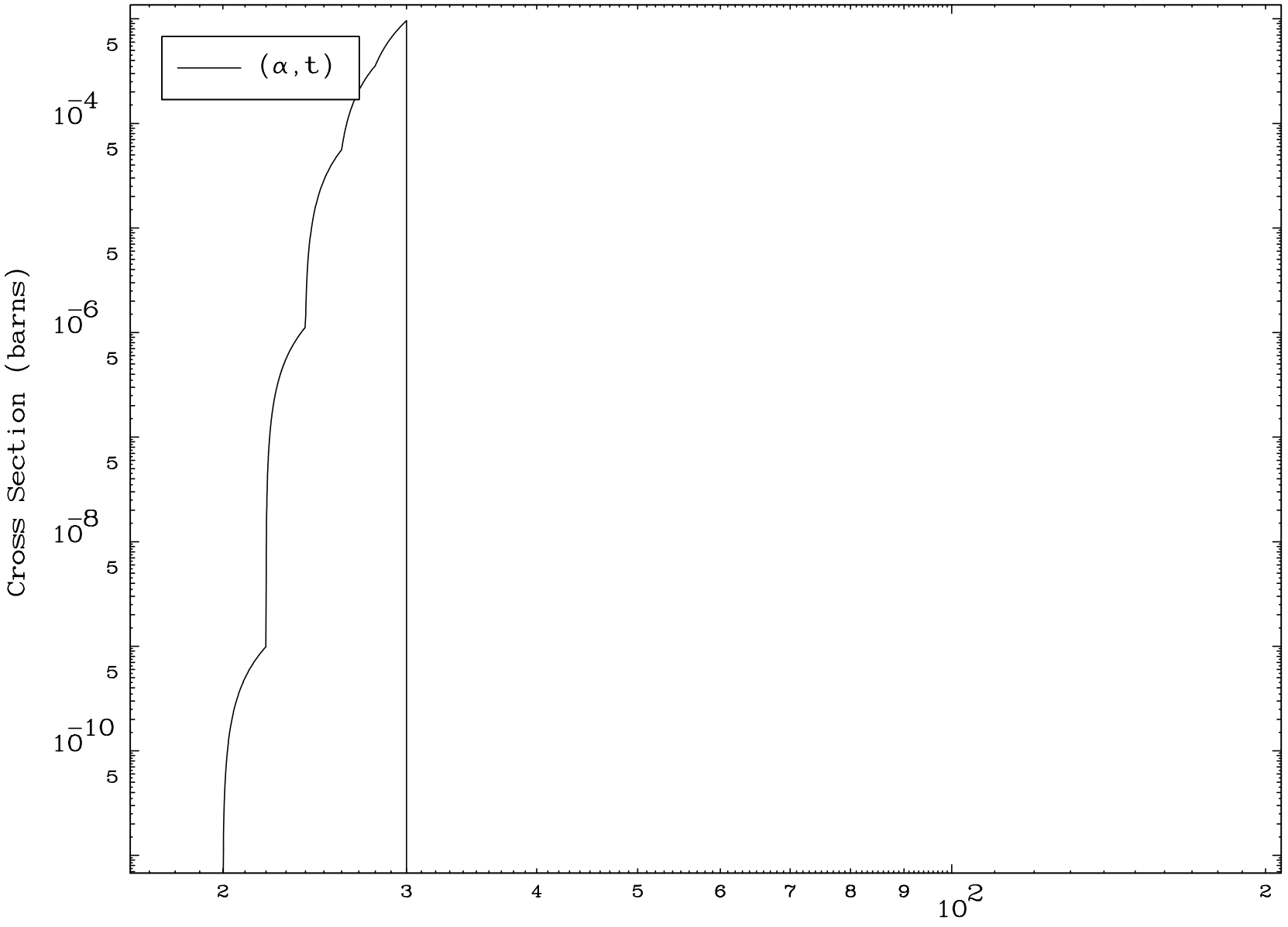

MAT 6222
α Charged Particle
0 Kelvin Cross Sections
62-Sm-143
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
62-Sm-143

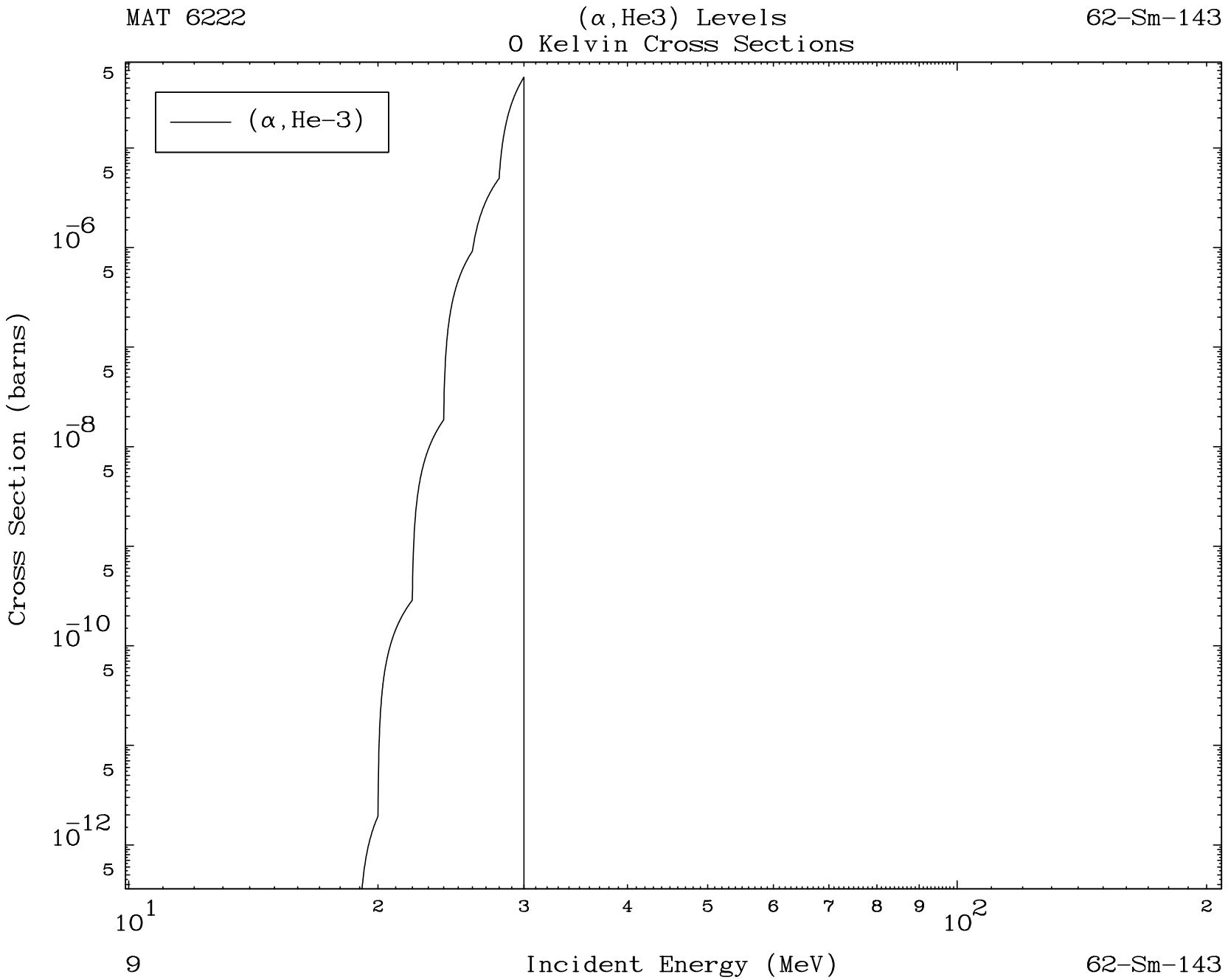

MAT 6222
(α,n') Level
62-Sm-143
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143

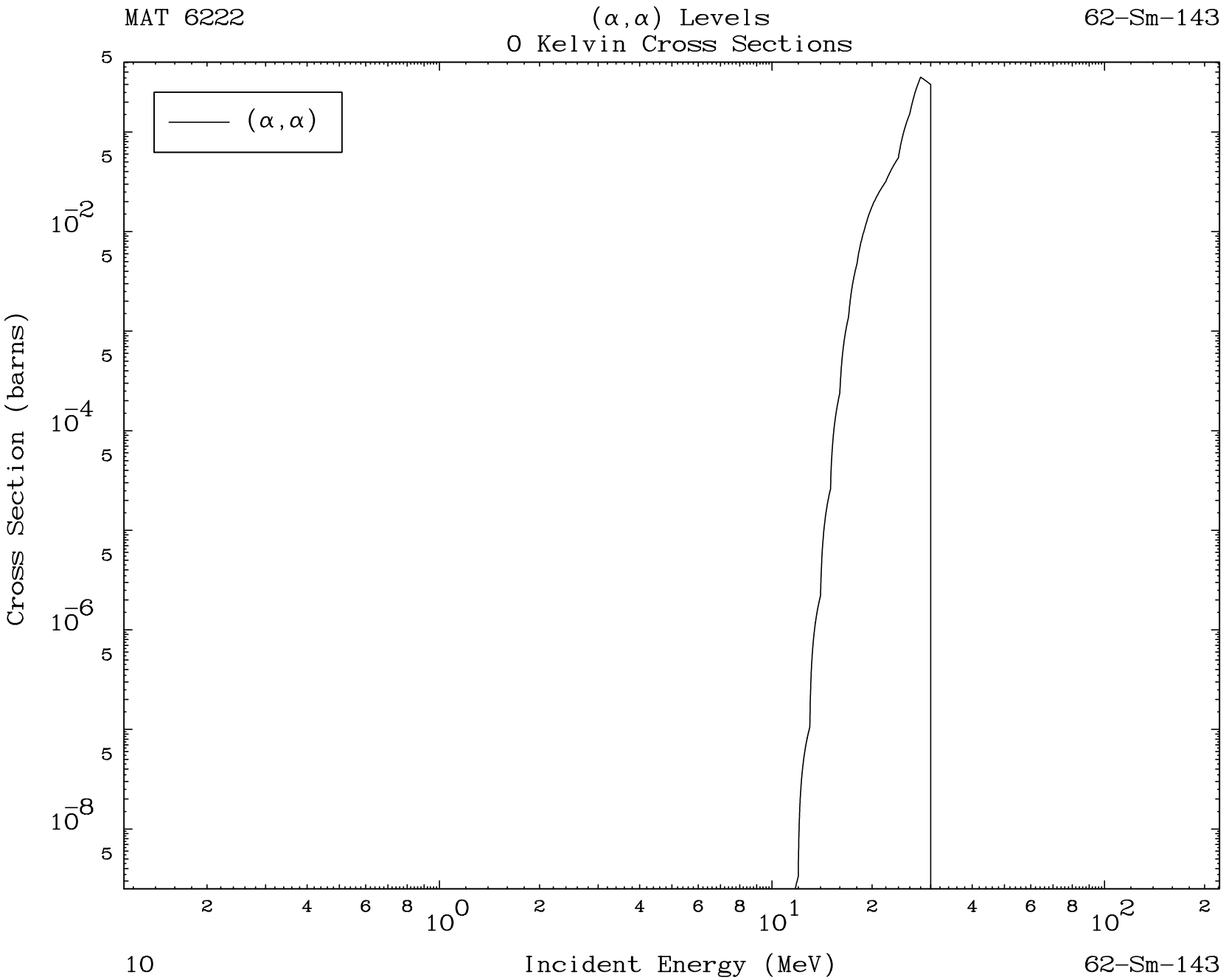

MAT 6222
(α,p) Levels
62-Sm-143
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
6
62-Sm-143

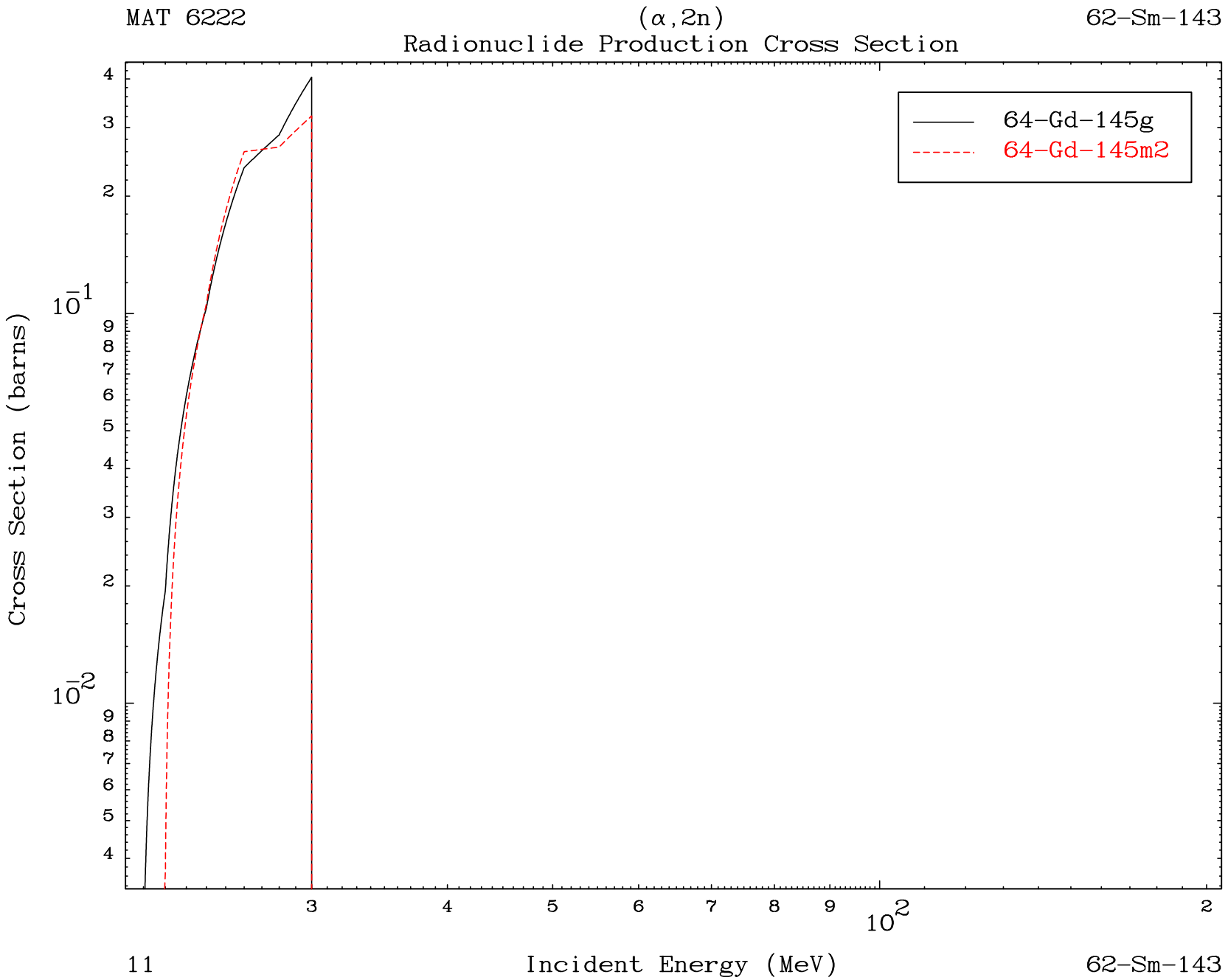

MAT 6222
(α,d) Levels
62-Sm-143
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
62-Sm-143

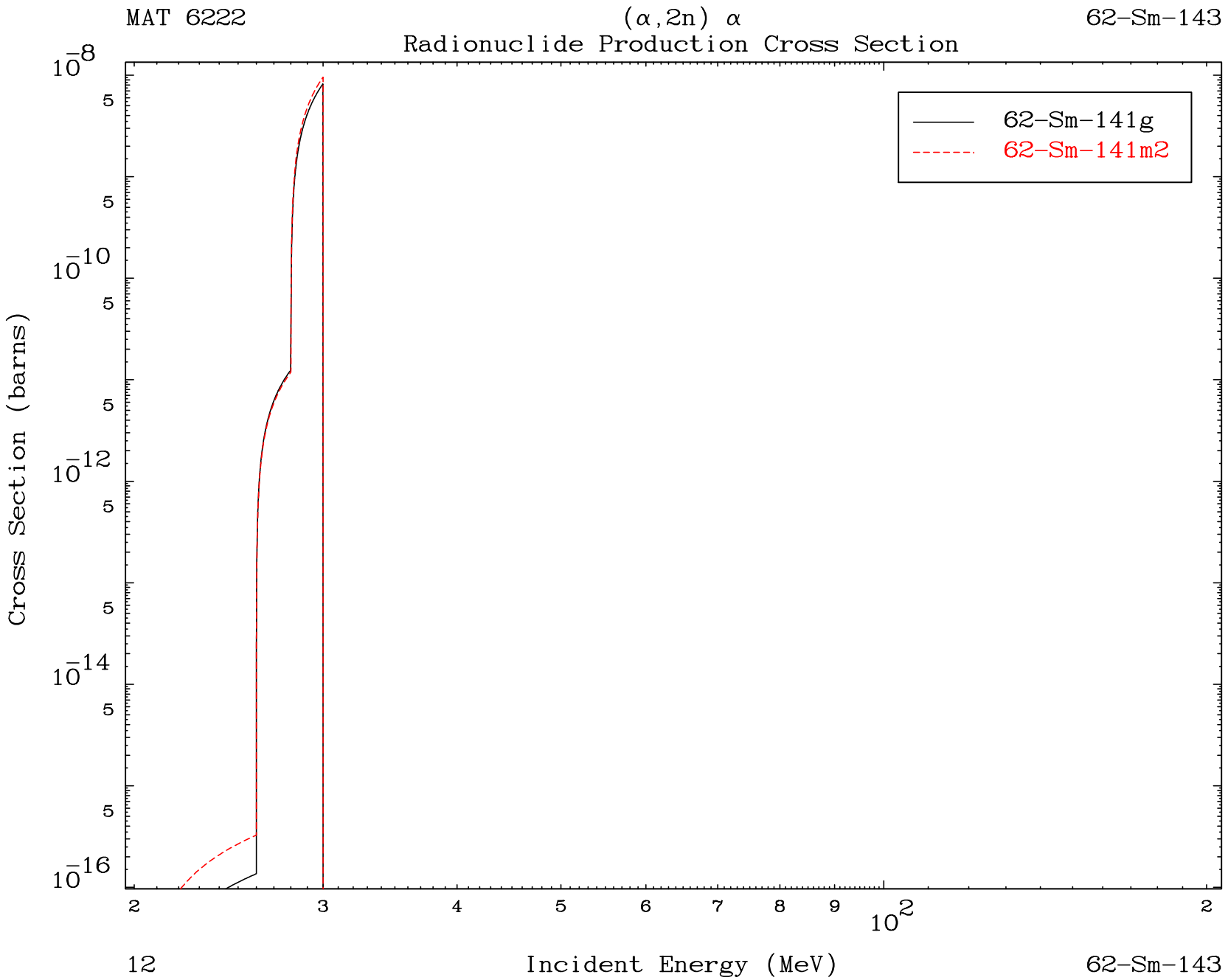
0 Kelvin Cross Sections

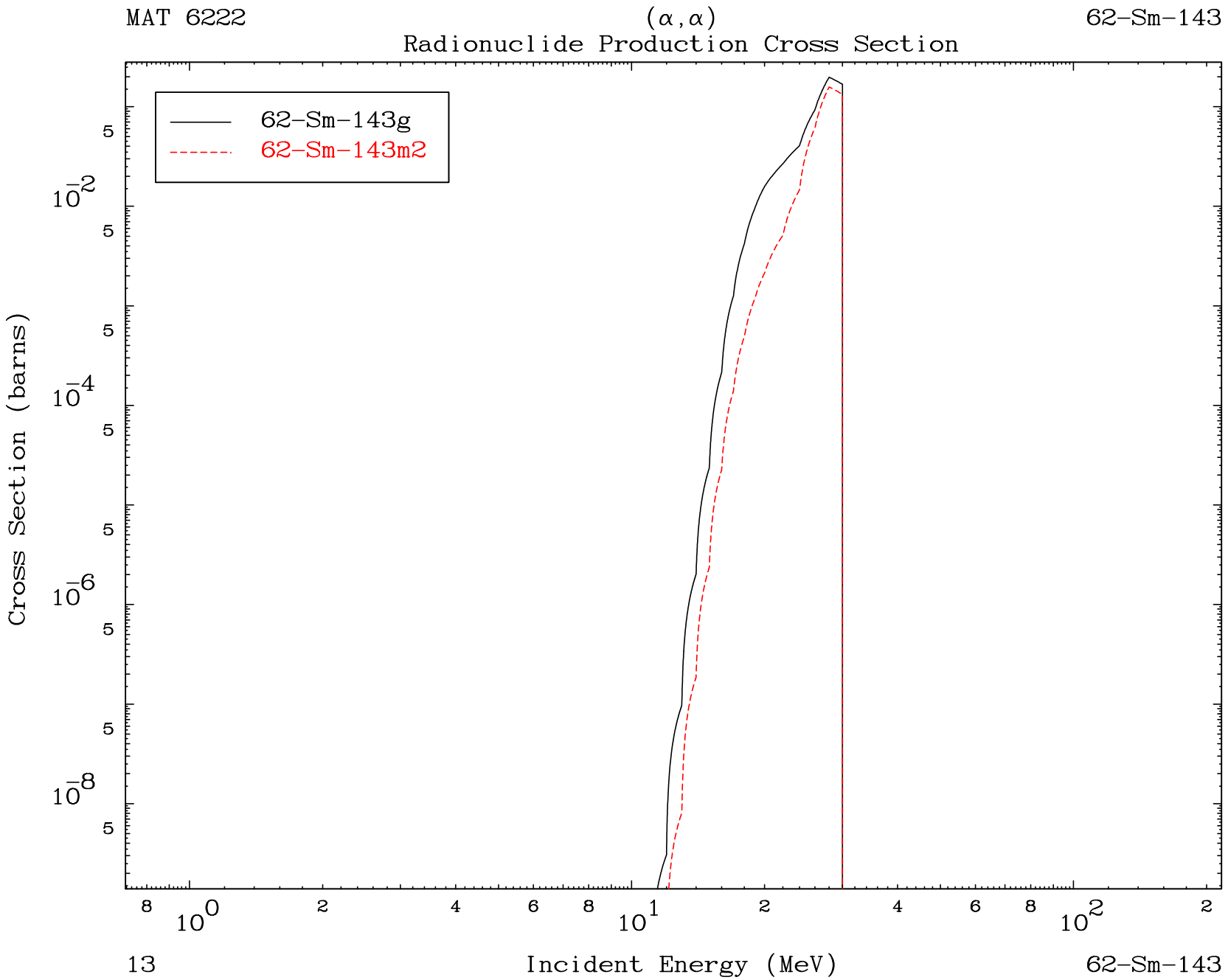


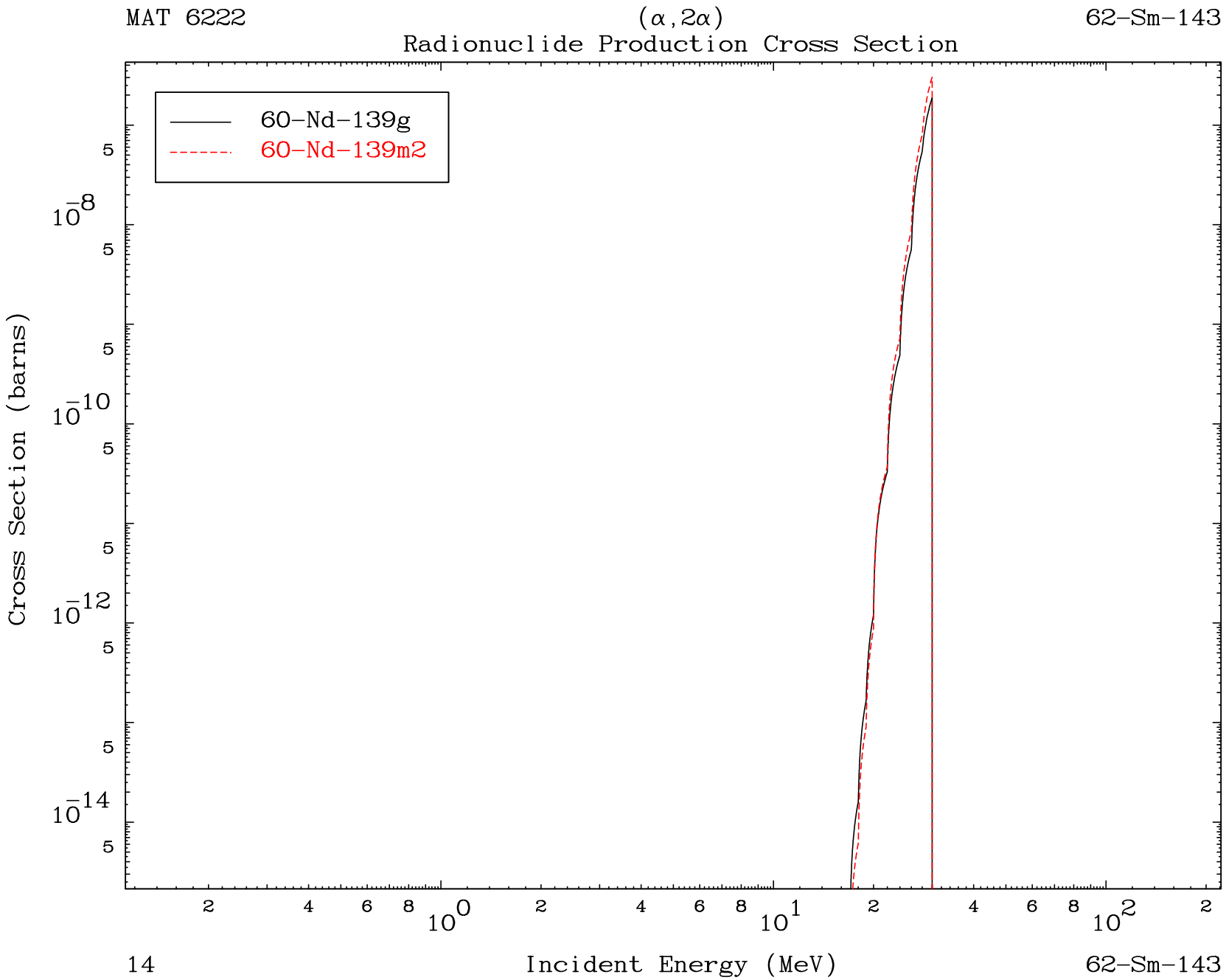

MAT 6222
(α,He3) Levels
62-Sm-143
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-143
9


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


MAT 6222
(α,2n)
62-Sm-143
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
Incident Energy (MeV)
11
62-Sm-143


MAT 6222
(α,2n) α
62-Sm-143
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
12
62-Sm-143


MAT 6222
(α,α)
62-Sm-143
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
62-Sm-143


MAT 6222
(α,2α)
62-Sm-143
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
Incident Energy (MeV)
14
62-Sm-143