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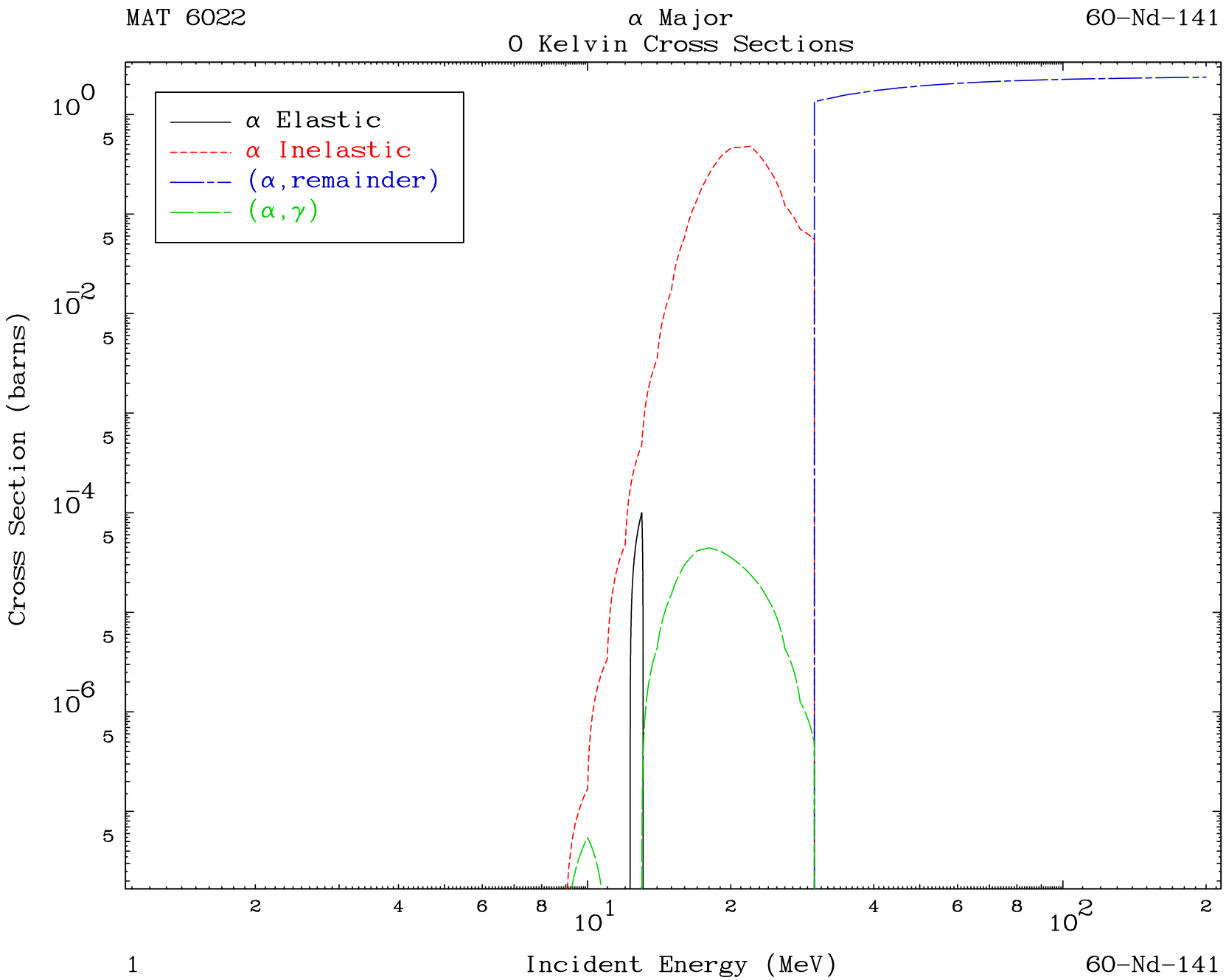
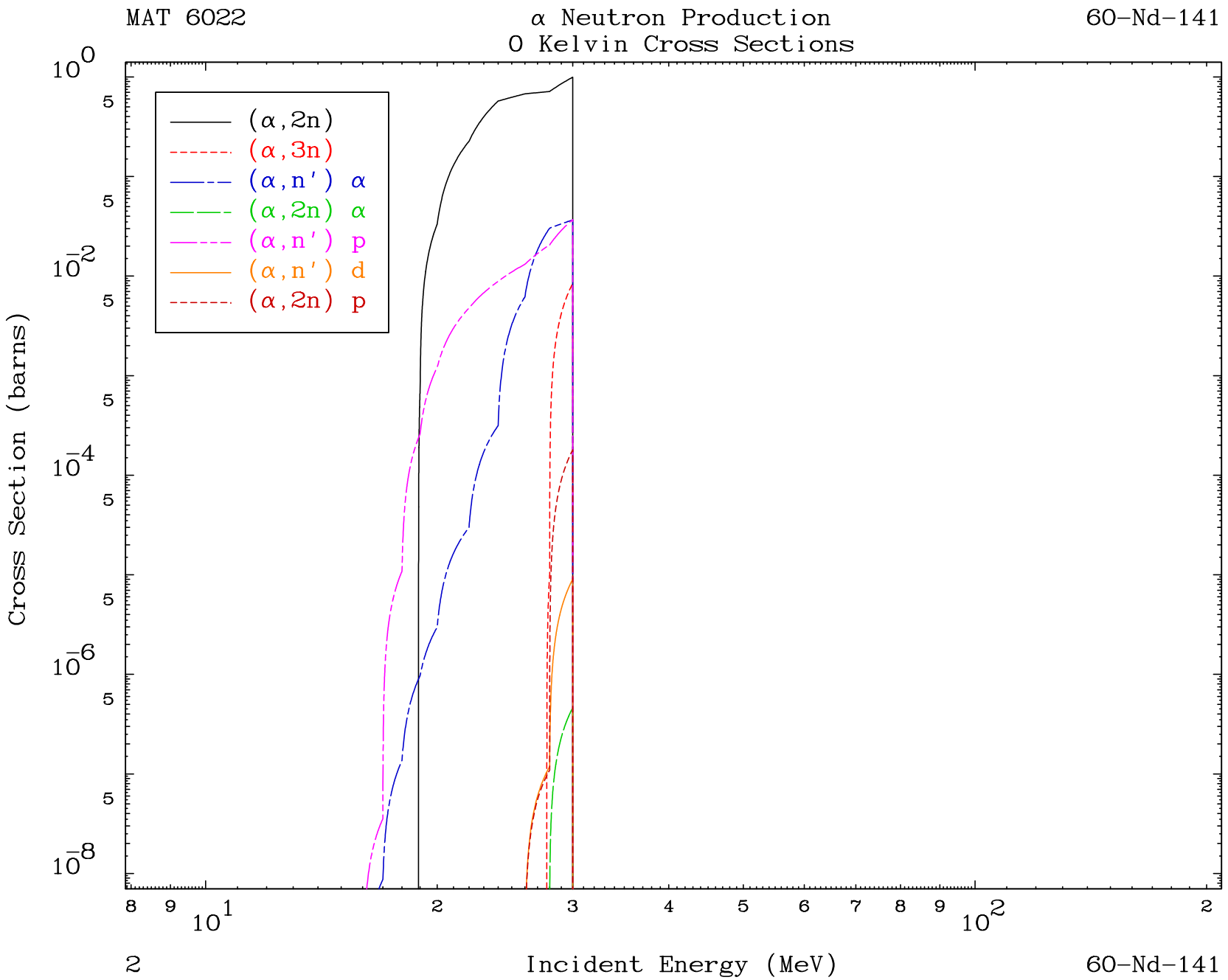
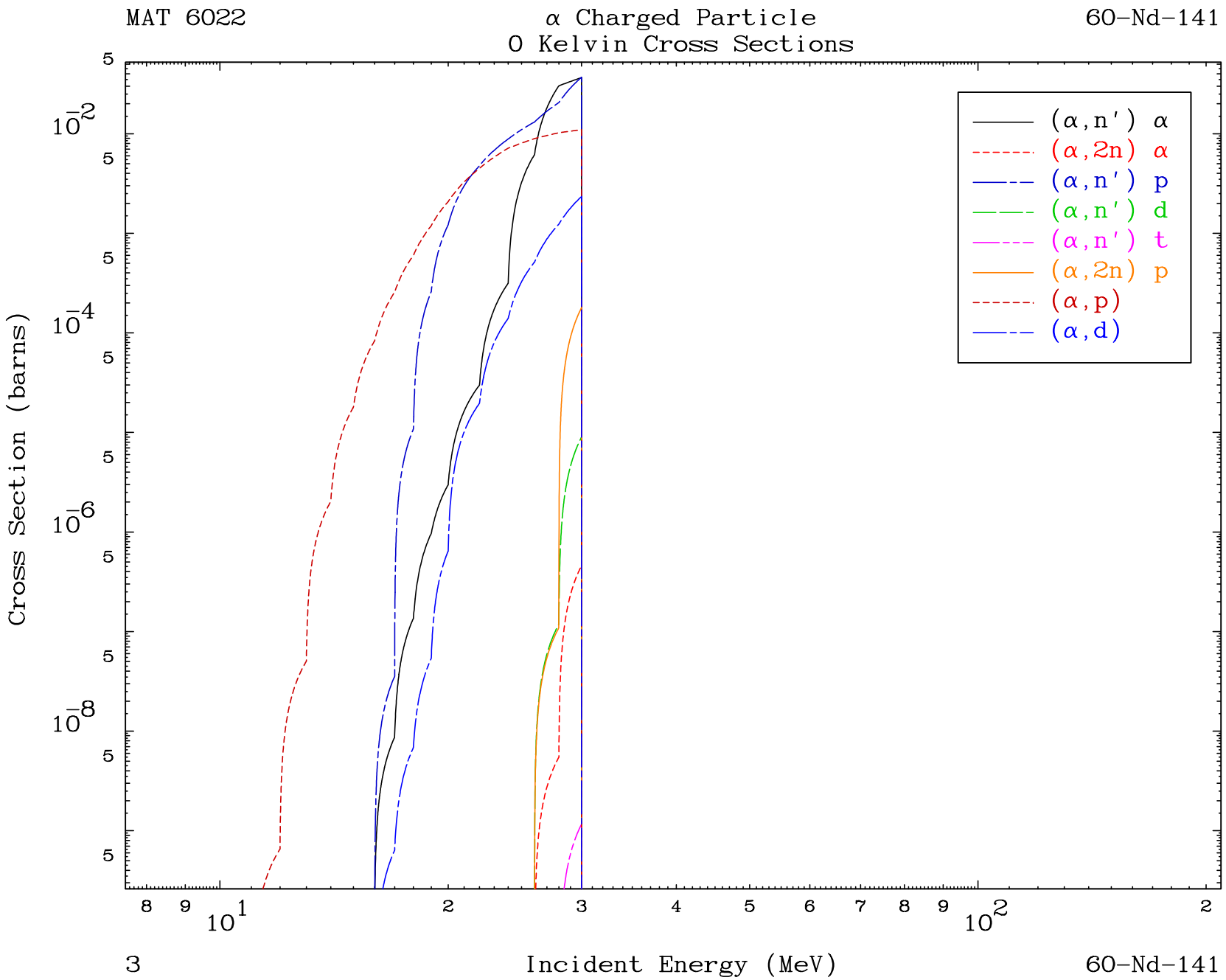
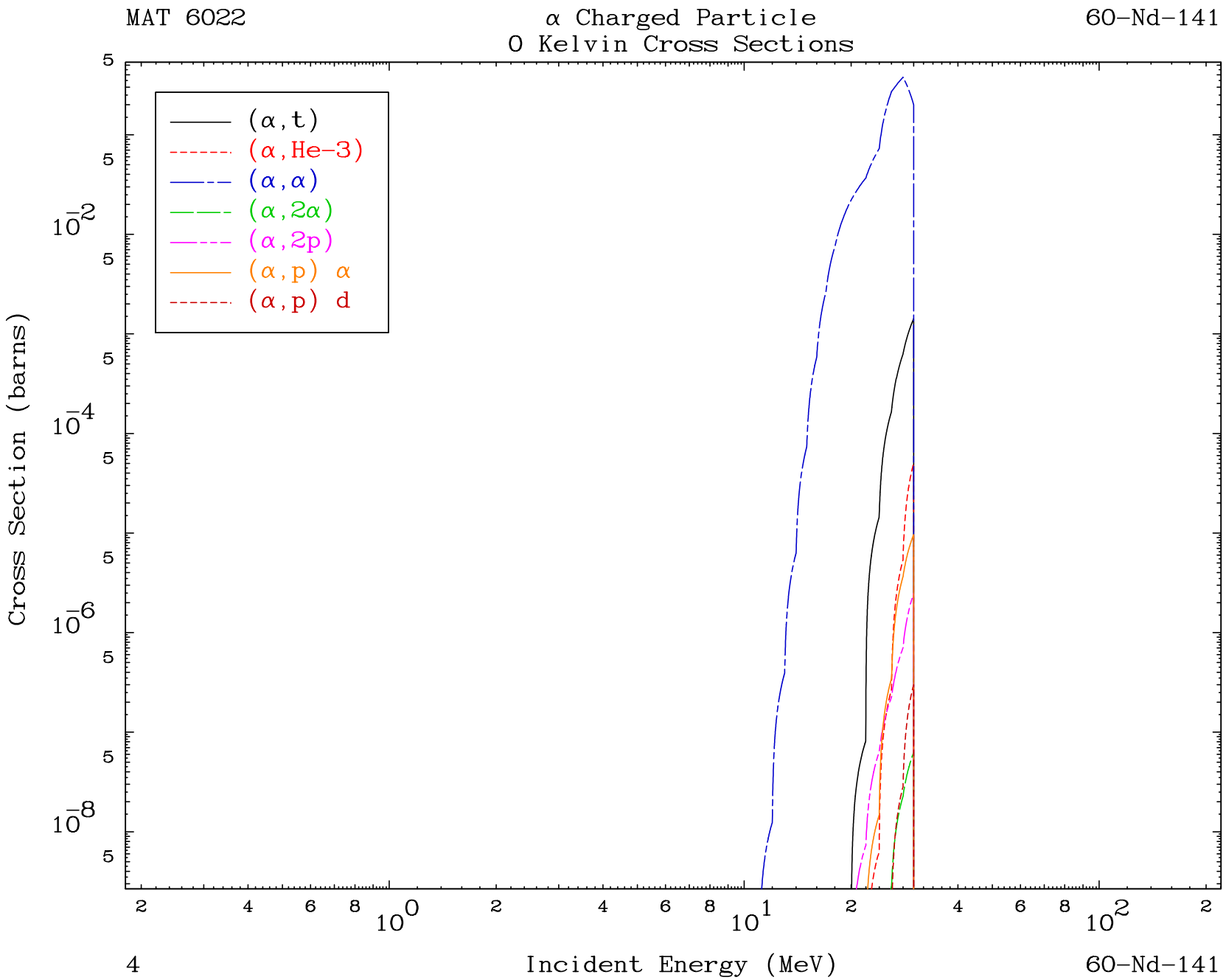
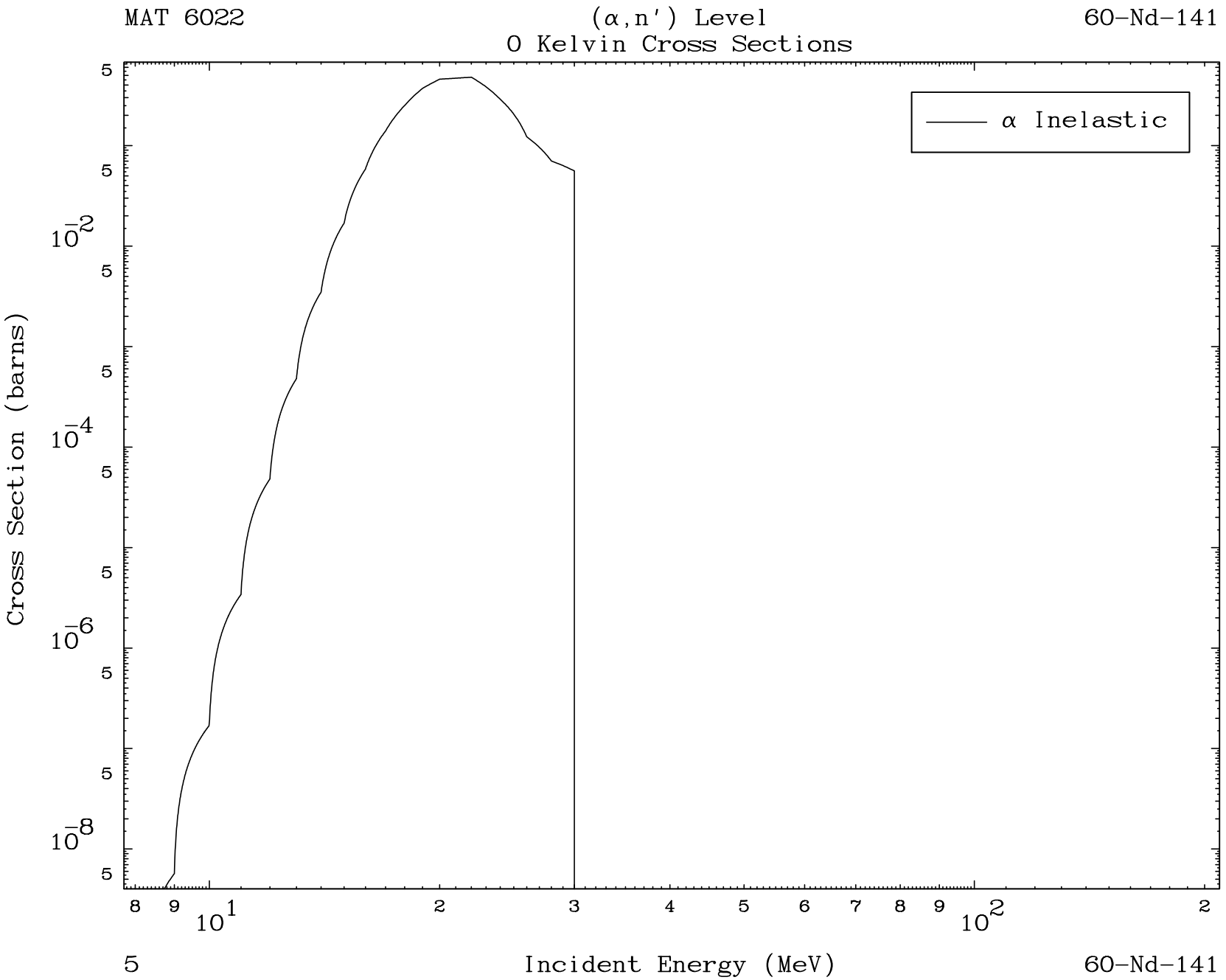
Press Mouse Button to Start

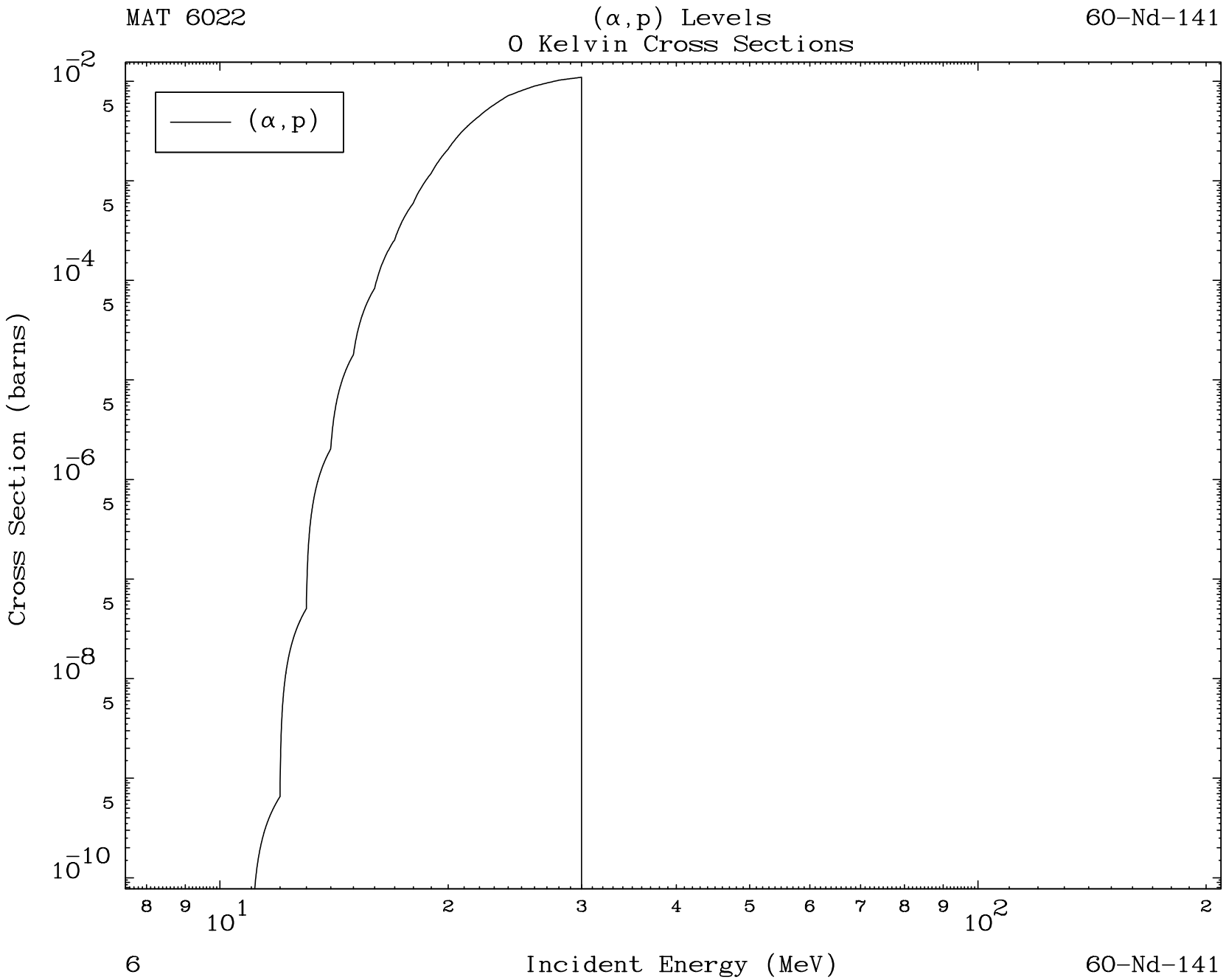

MAT 6022
α Major
60-Nd-141
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141

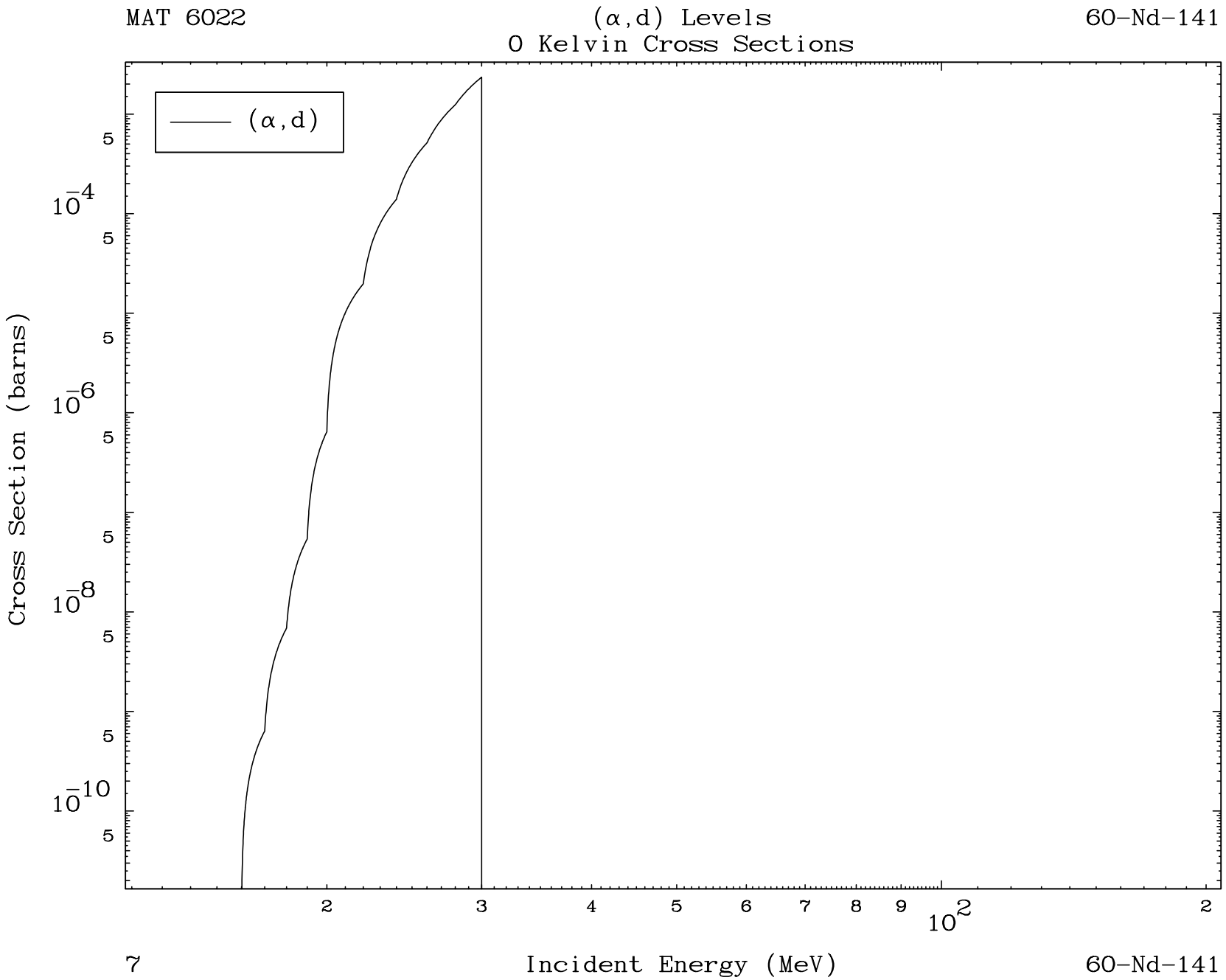

MAT 6022
α Neutron Production
0 Kelvin Cross Sections
60-Nd-141
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141

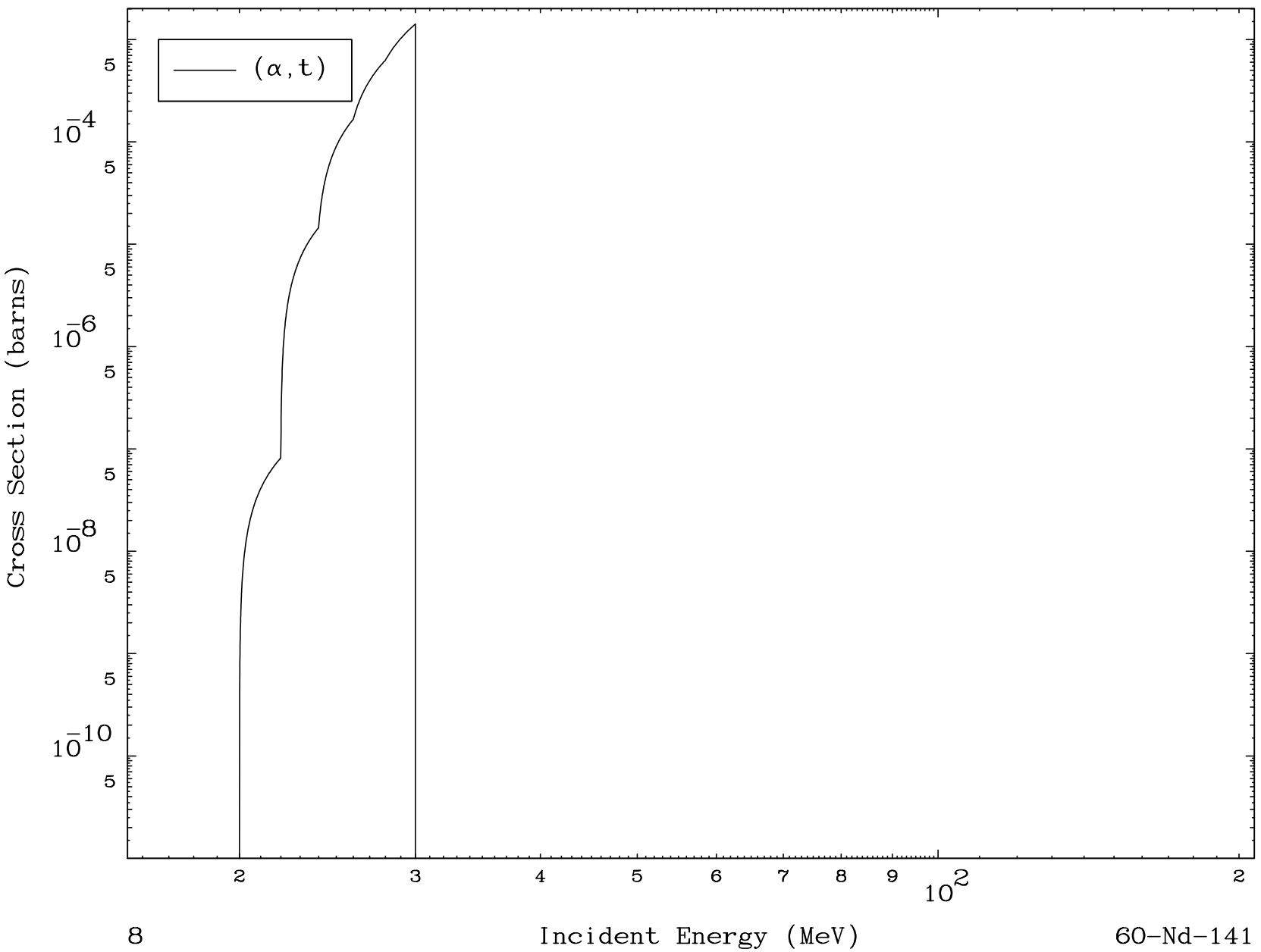

MAT 6022
α Charged Particle
0 Kelvin Cross Sections
60-Nd-141
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
3
60-Nd-141

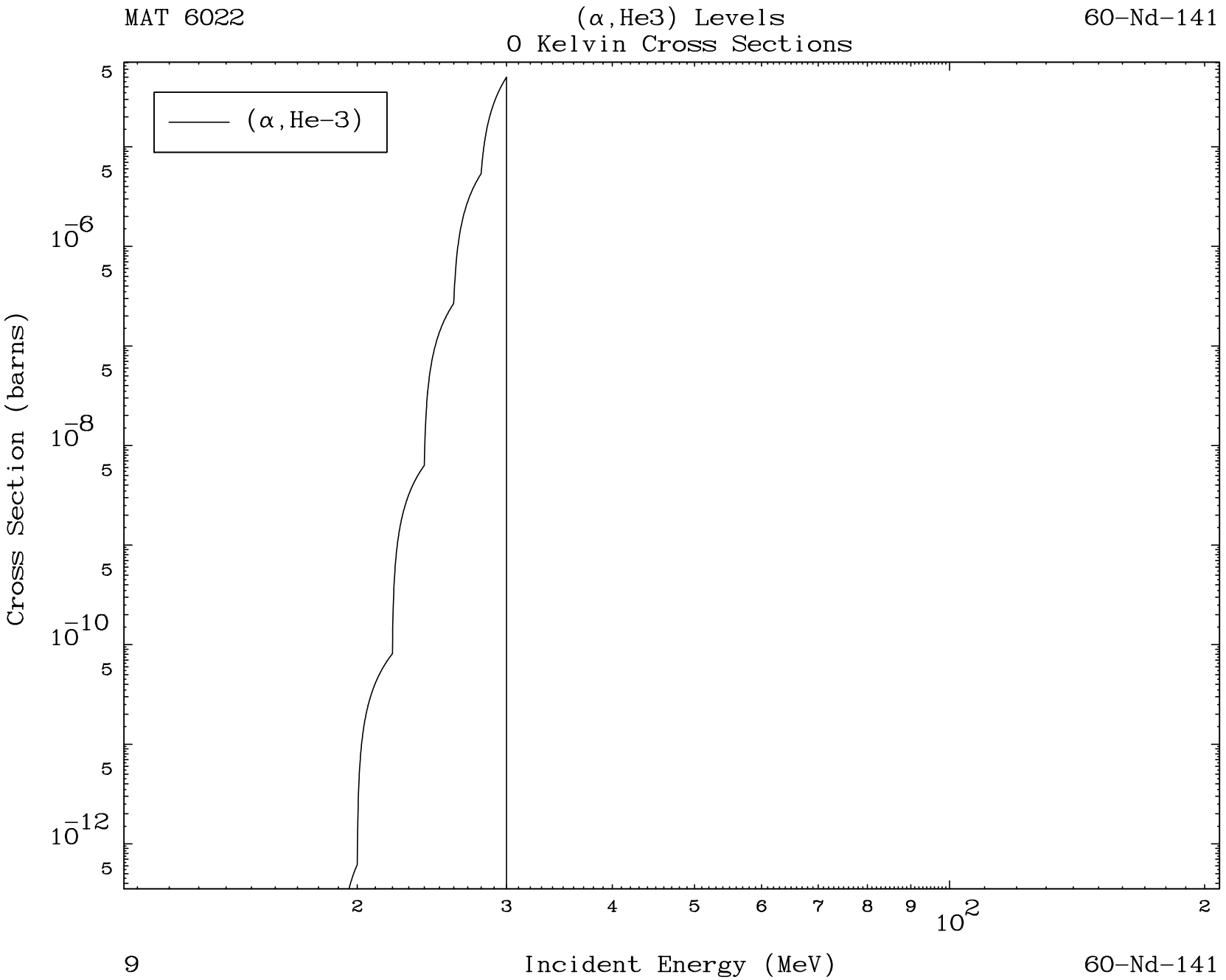

MAT 6022
α Charged Particle
0 Kelvin Cross Sections
60-Nd-141
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141
4

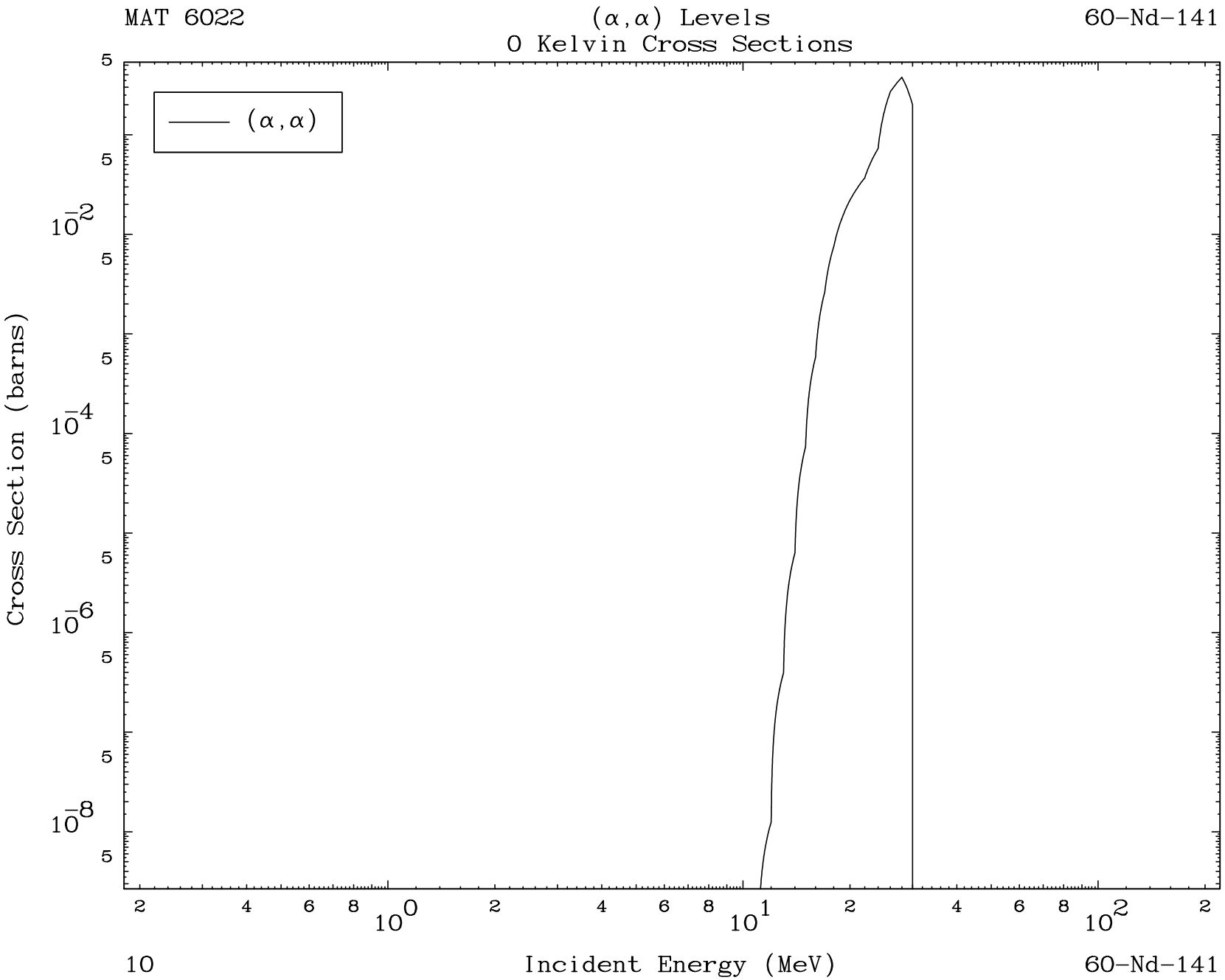

MAT 6022
(α,n') Level
60-Nd-141
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141
5

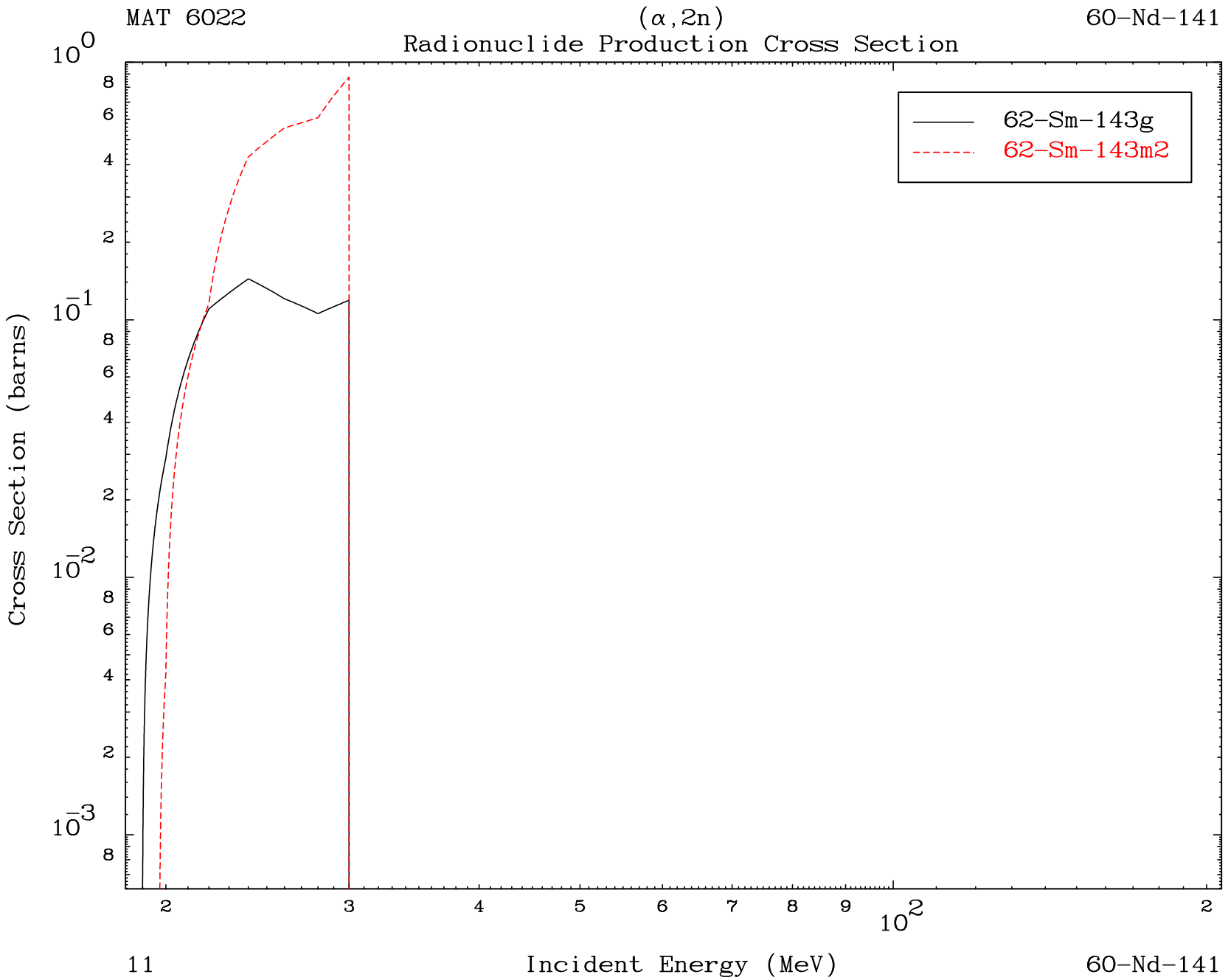

MAT 6022
(α,p) Levels
60-Nd-141
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-141

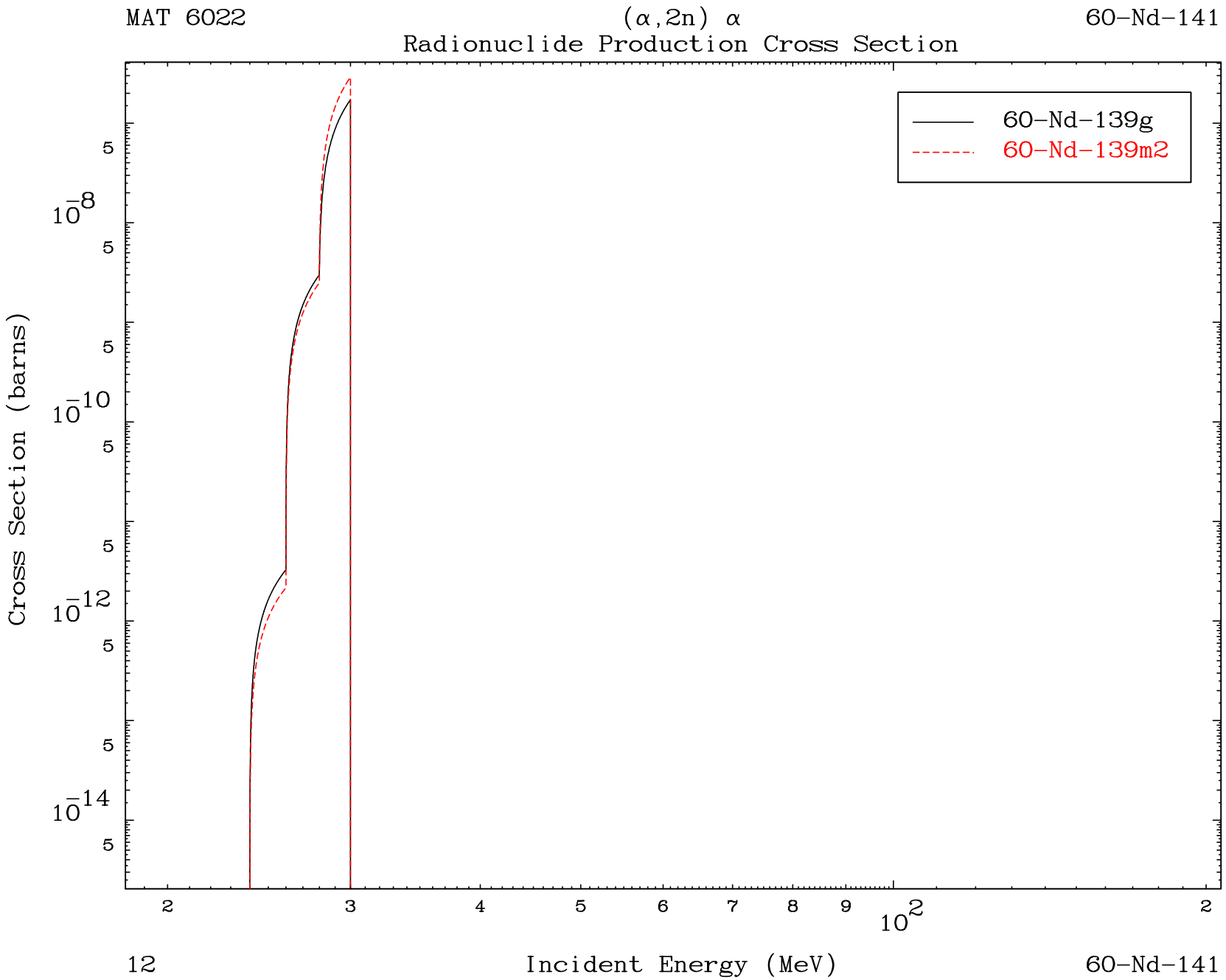

MAT 6022
(α,d) Levels
60-Nd-141
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
60-Nd-141

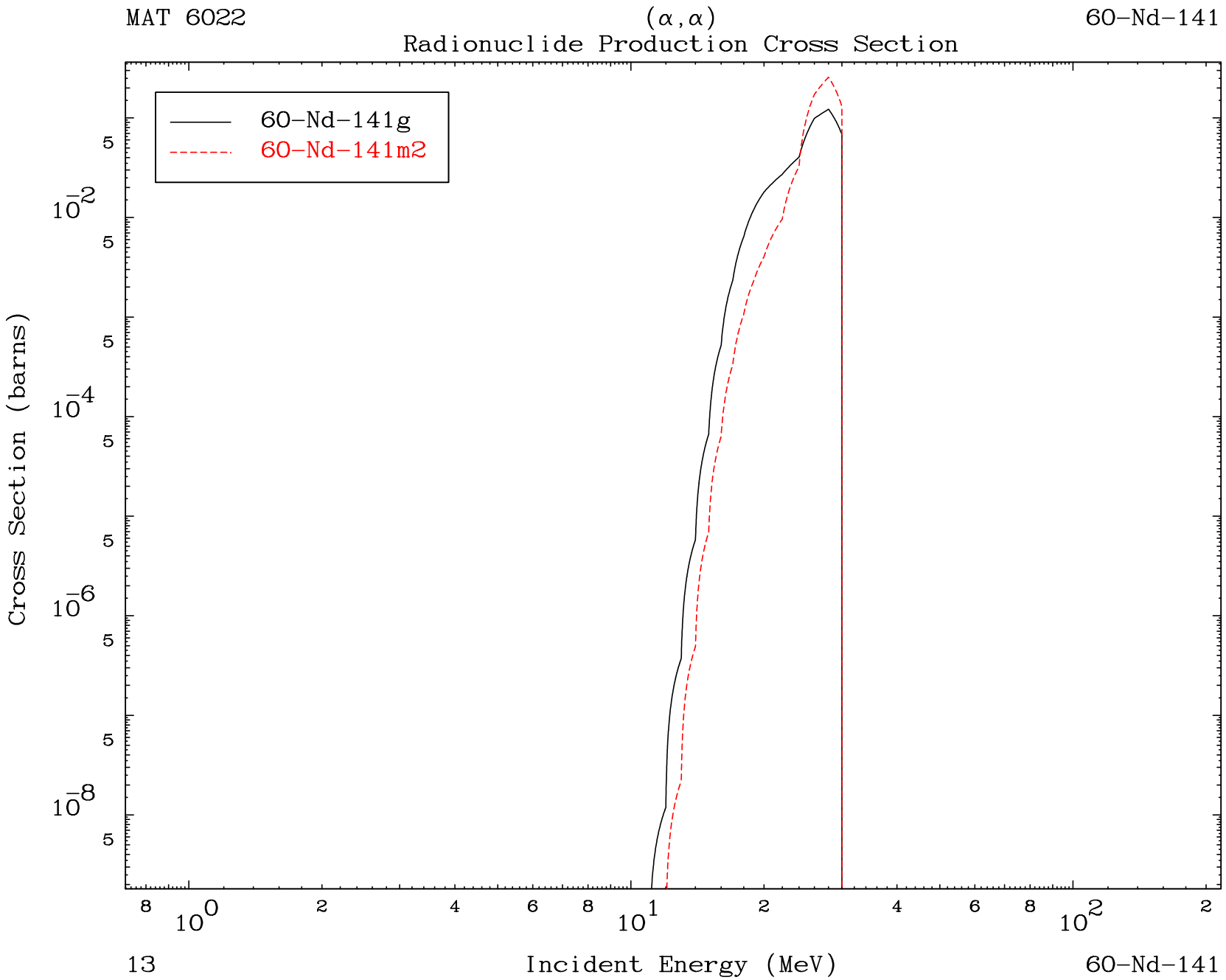

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

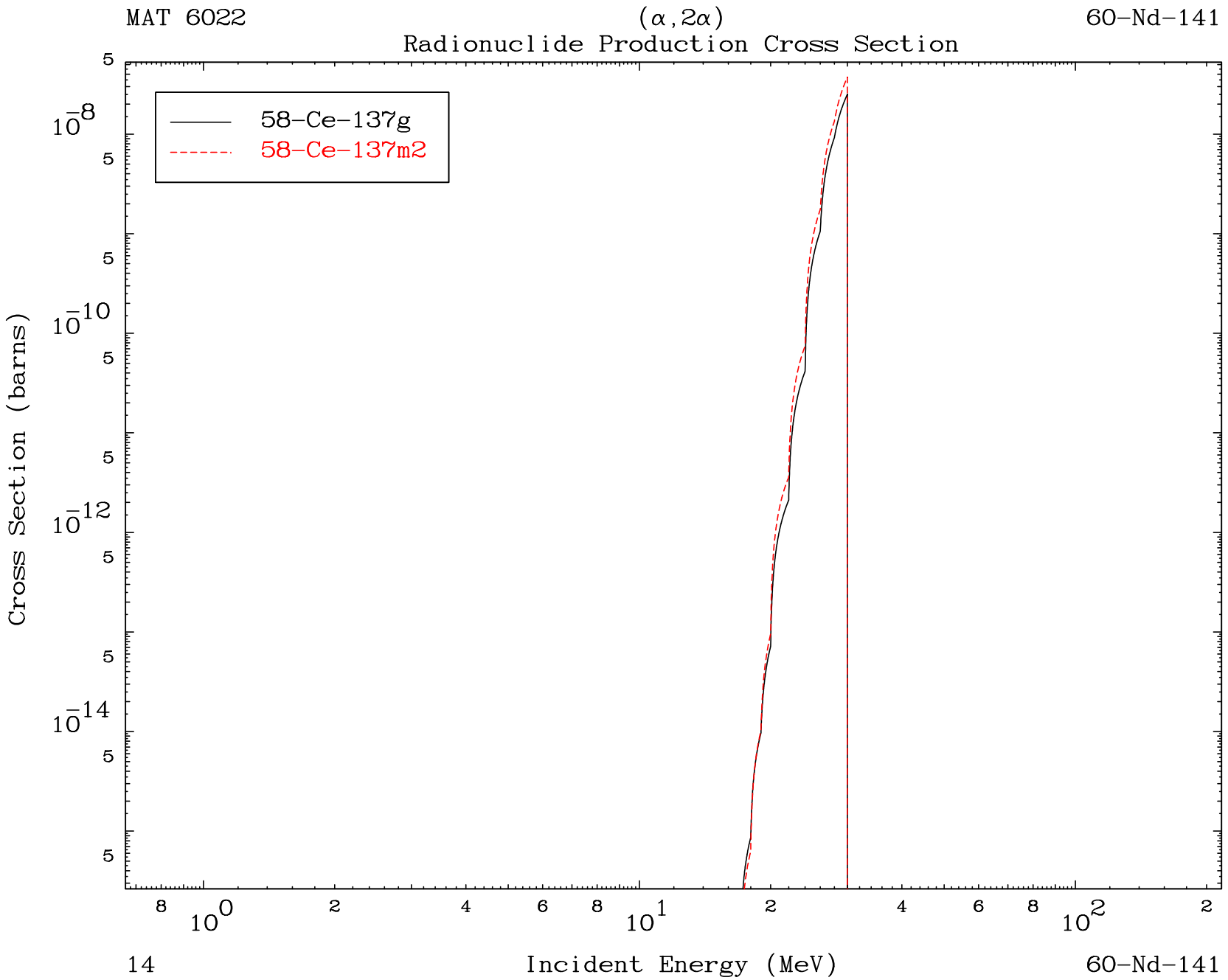

MAT 6022
(α,He3) Levels
60-Nd-141
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
60-Nd-141


MAT 6022
(α,α) Levels
60-Nd-141
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141


MAT 6022
(α,2n)
60-Nd-141
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
11
60-Nd-141


MAT 6022
(α,2n) α
60-Nd-141
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
60-Nd-141


MAT 6022
(α,α)
60-Nd-141
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
60-Nd-141


MAT 6022
(α,2α)
60-Nd-141
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
14
60-Nd-141