Program EVALPLOT
(Version 2021-1)
by
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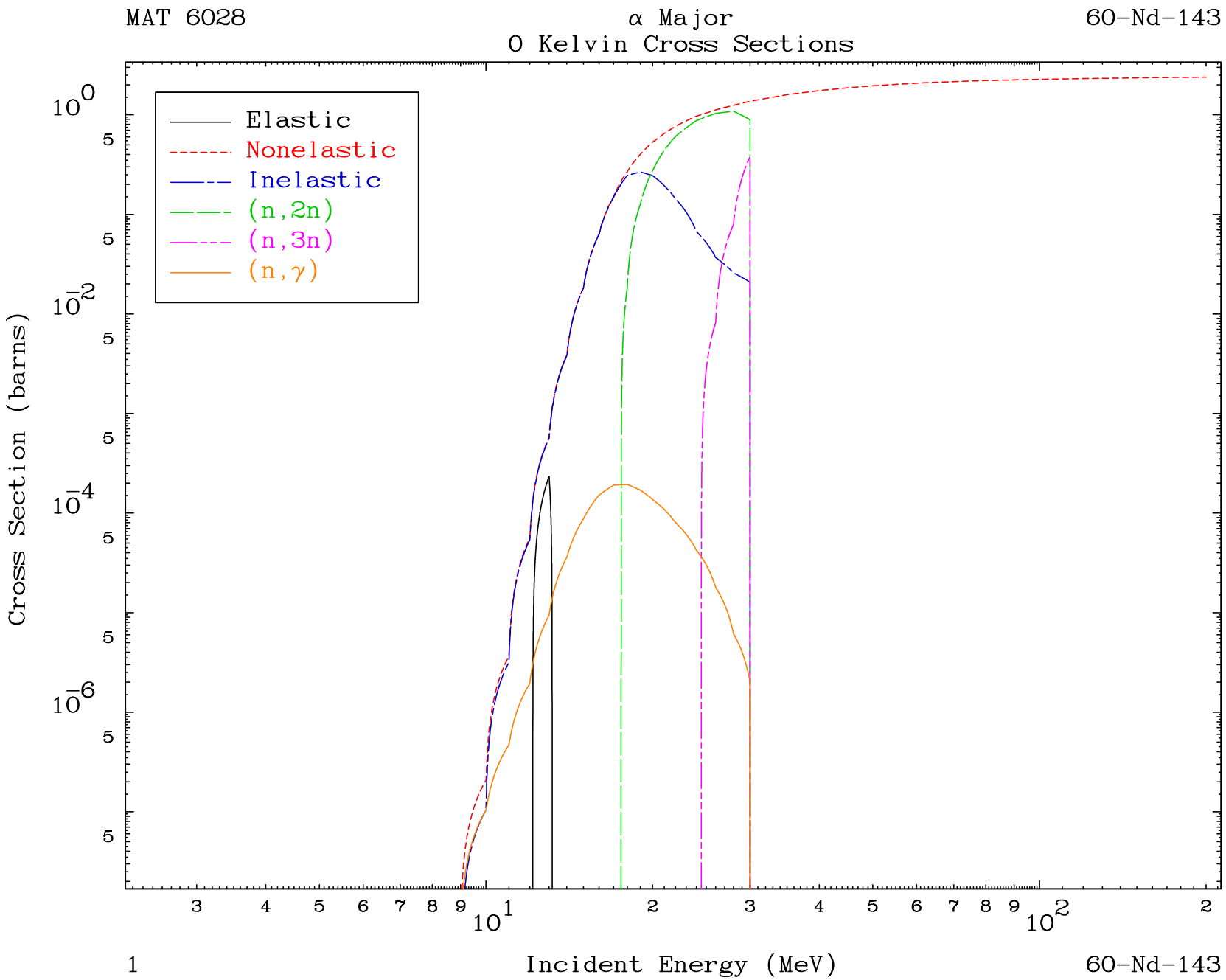
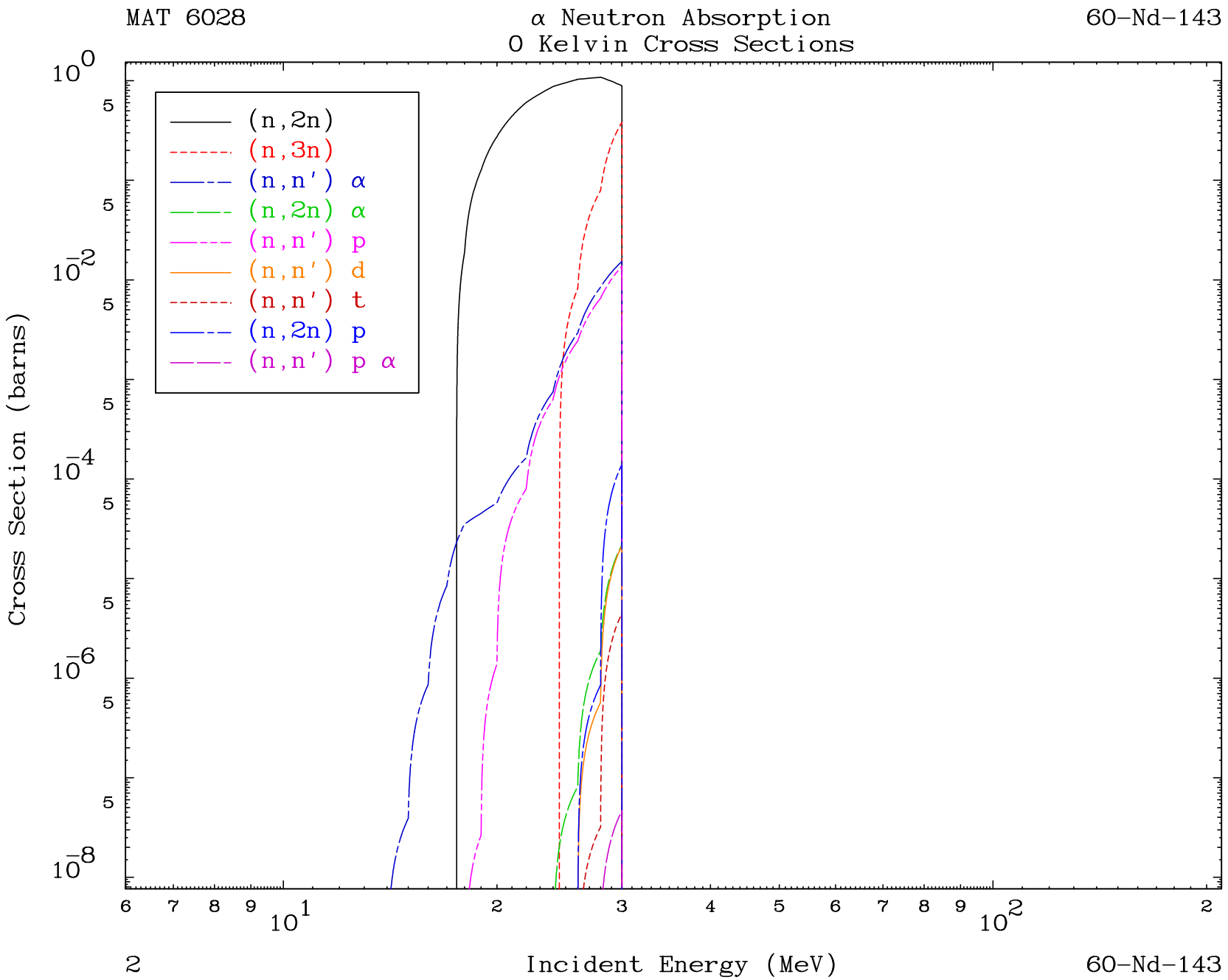
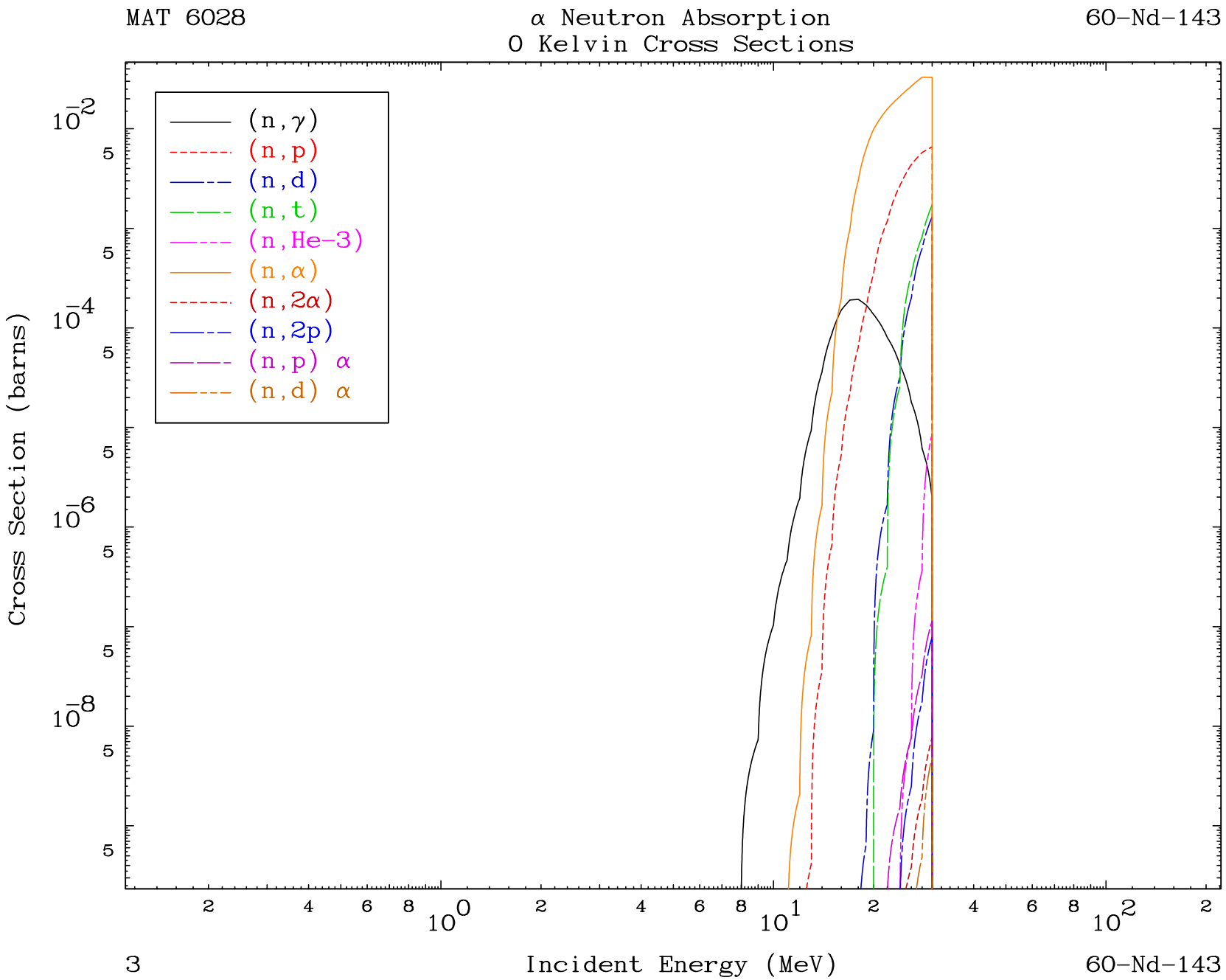
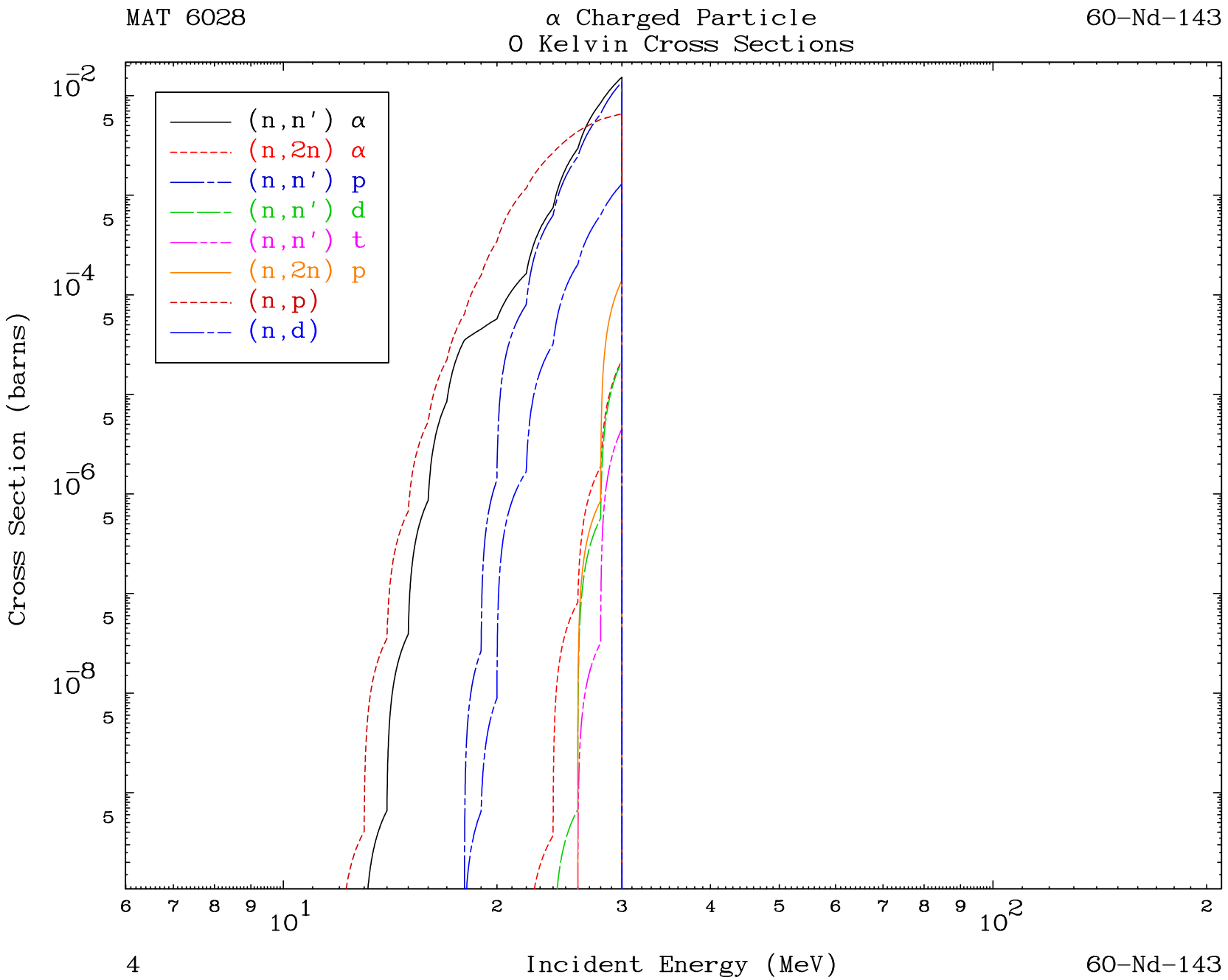
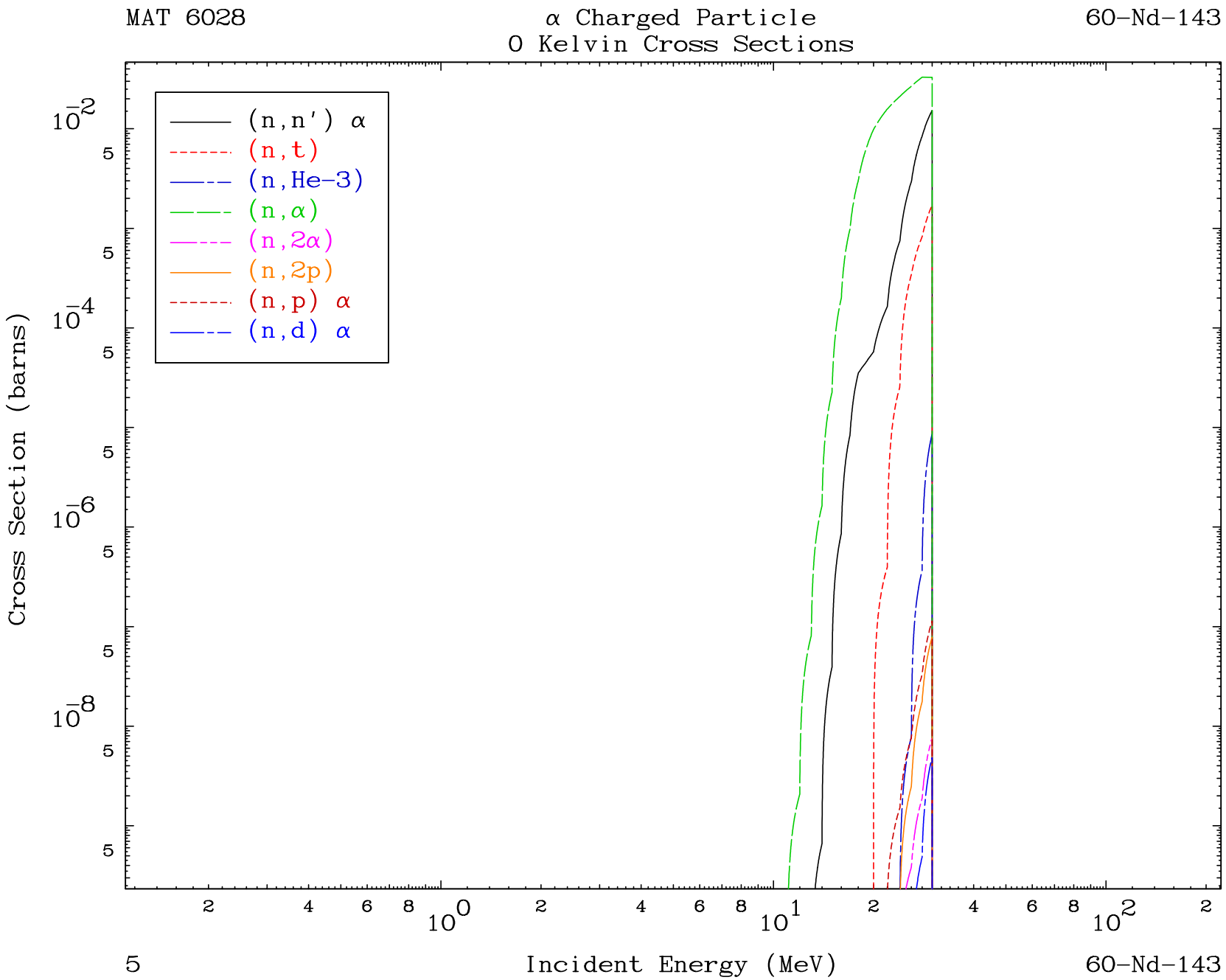
Press Mouse Button to Start

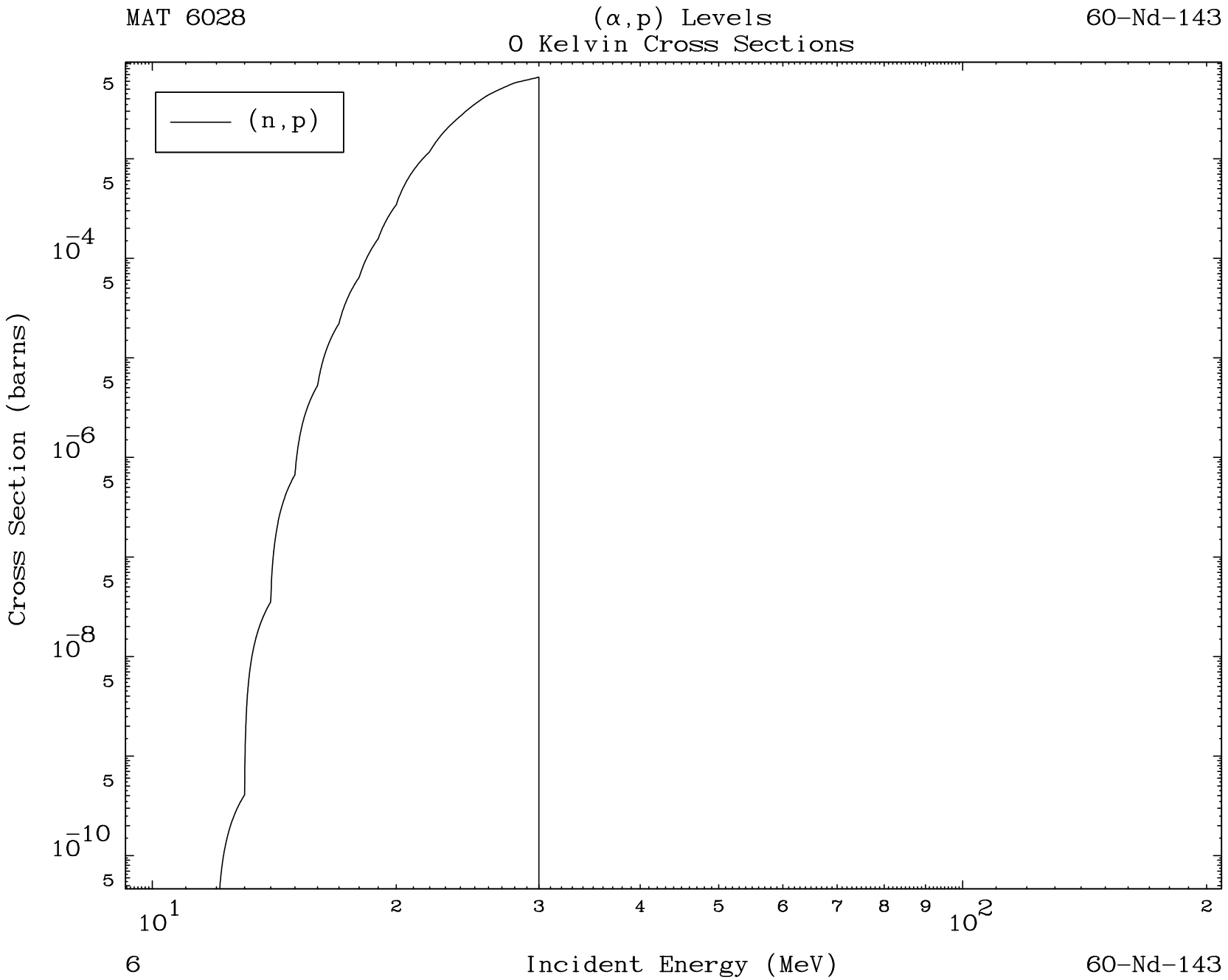

MAT 6028
α Major
60-Nd-143
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
1

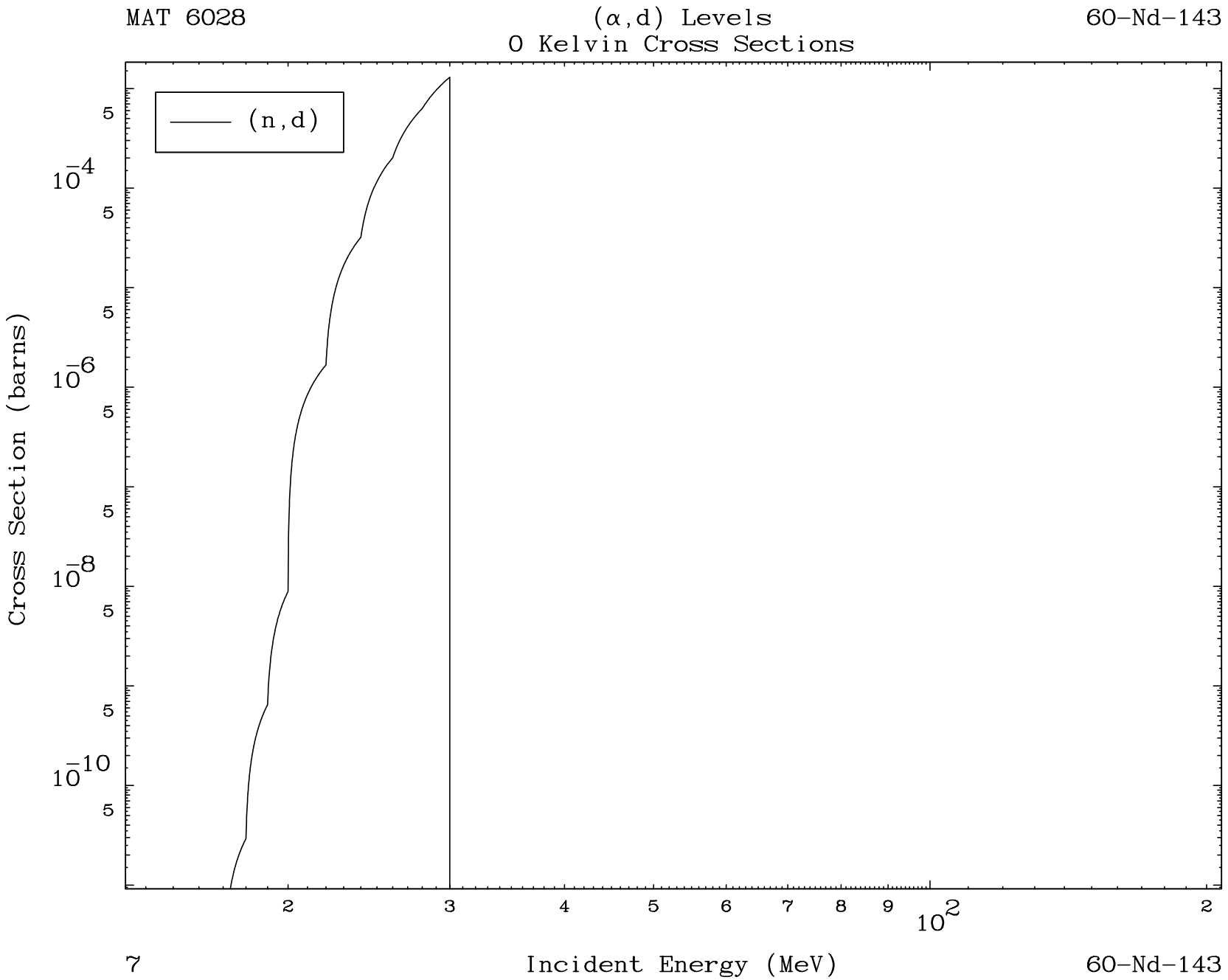

MAT 6028
α Neutron Absorption
0 Kelvin Cross Sections
60-Nd-143
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143

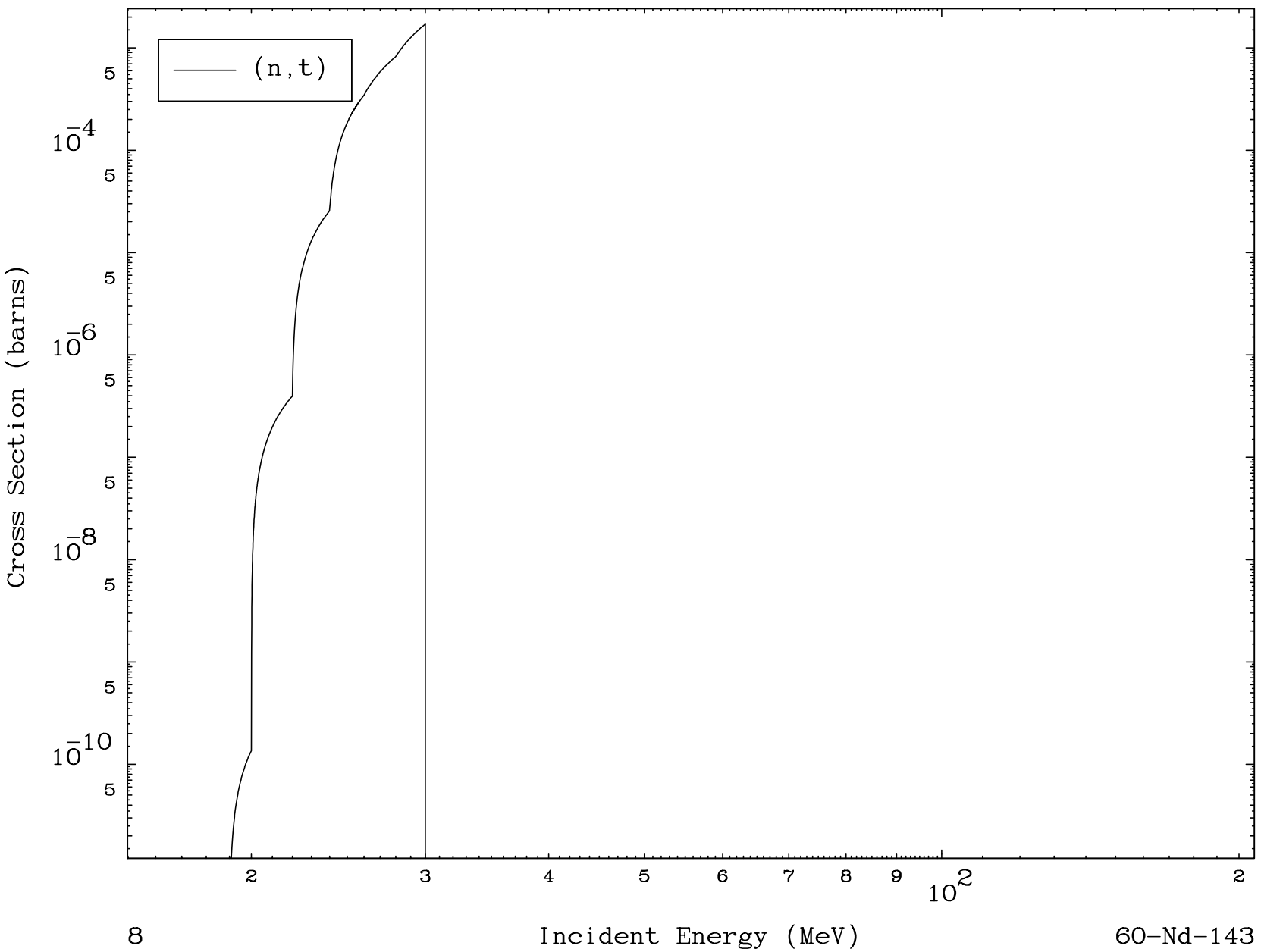

MAT 6028
α Neutron Absorption
0 Kelvin Cross Sections
60-Nd-143
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-143


MAT 6028
α Charged Particle
0 Kelvin Cross Sections
60-Nd-143
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
4

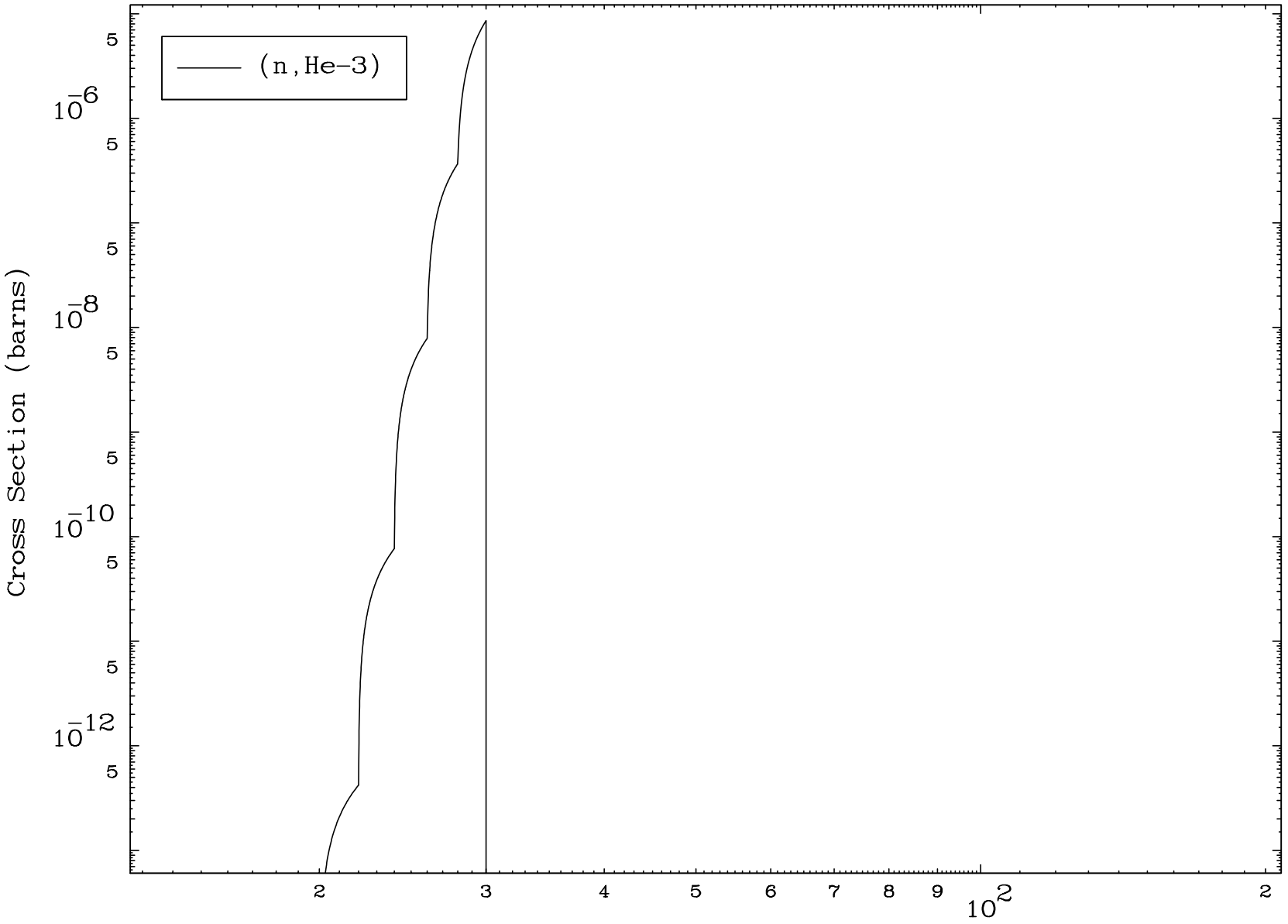

MAT 6028
α Charged Particle
0 Kelvin Cross Sections
60-Nd-143
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
5

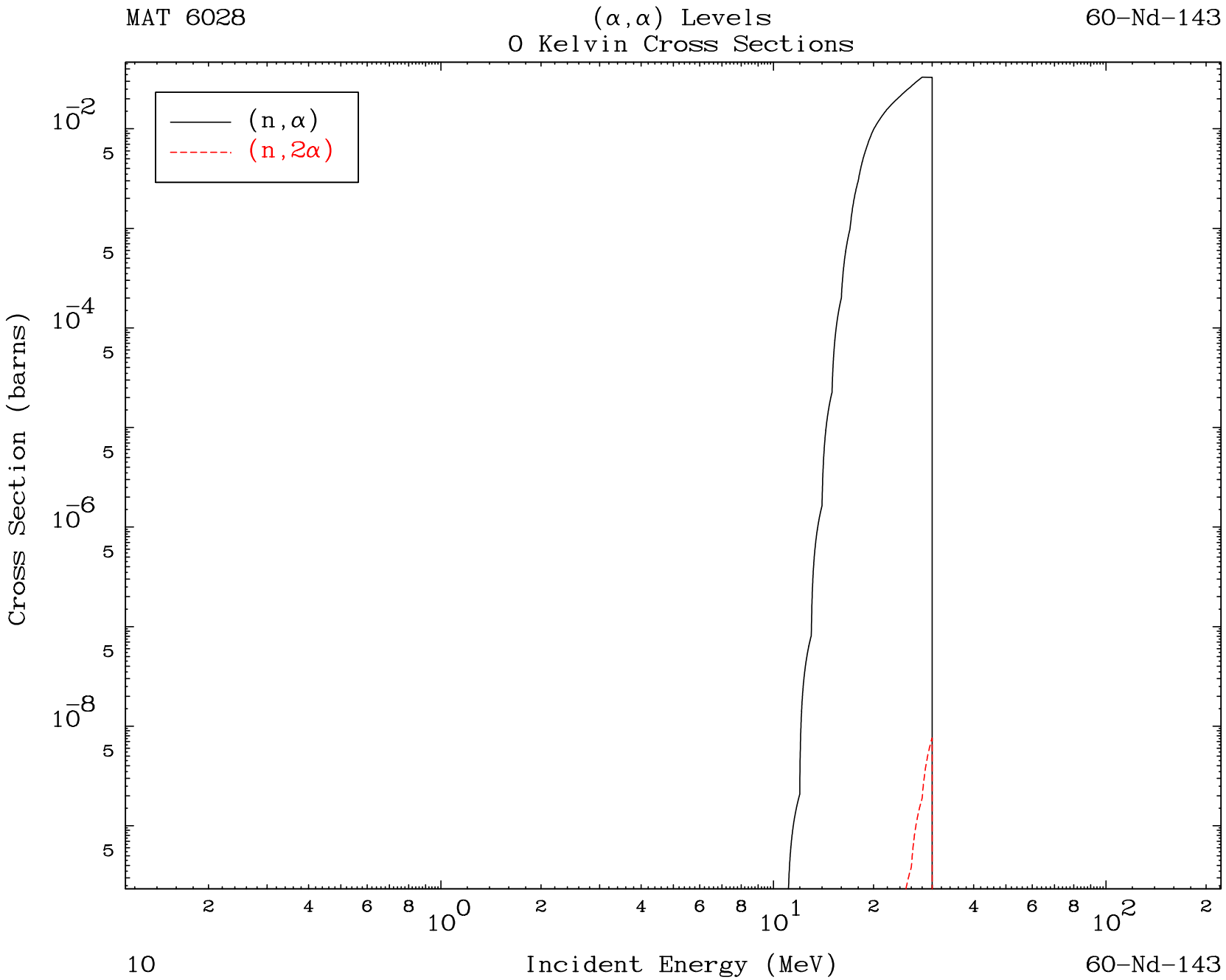

MAT 6028
(α,p) Levels
60-Nd-143
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
60-Nd-143

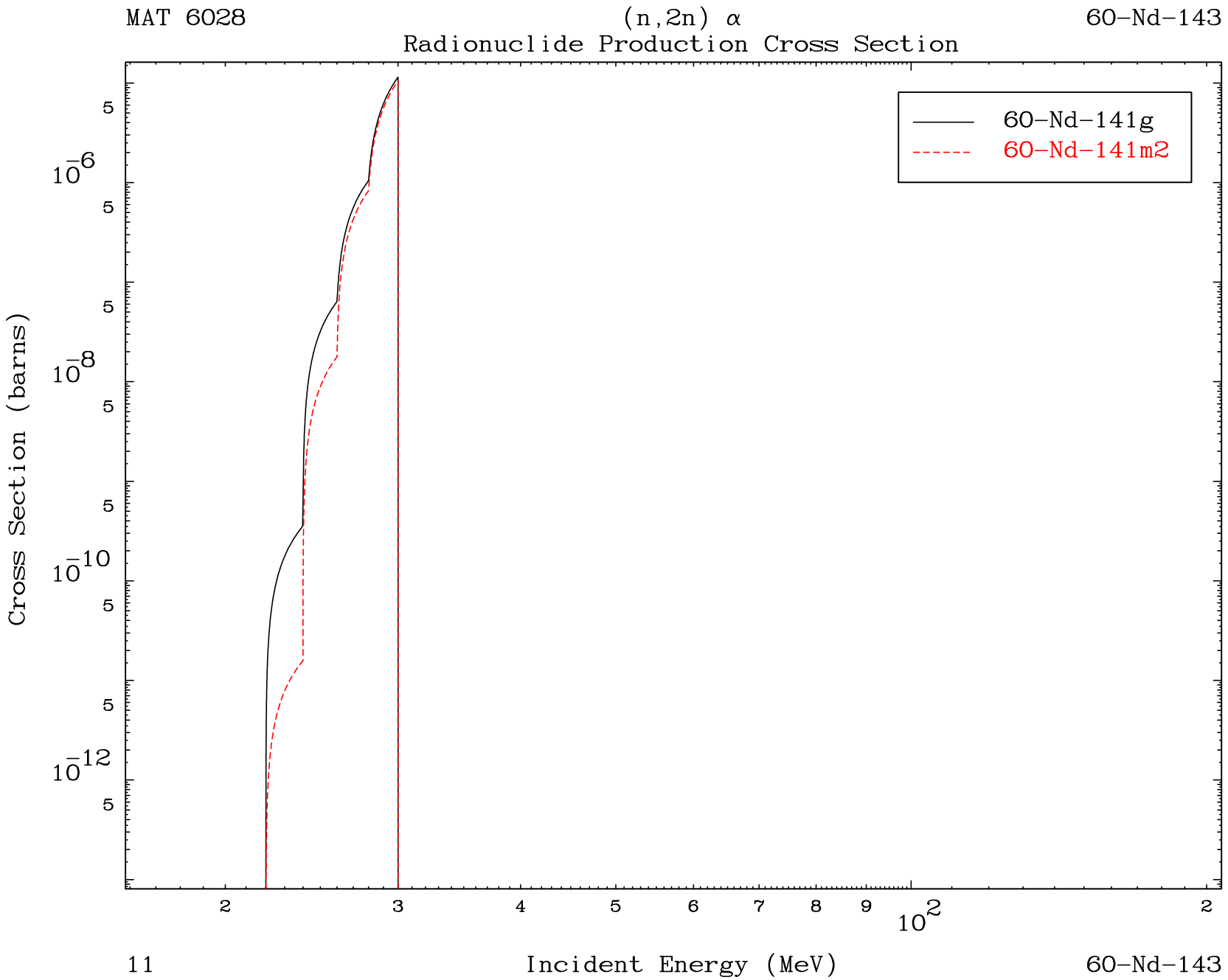

MAT 6028
(α,d) Levels
60-Nd-143
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
60-Nd-143

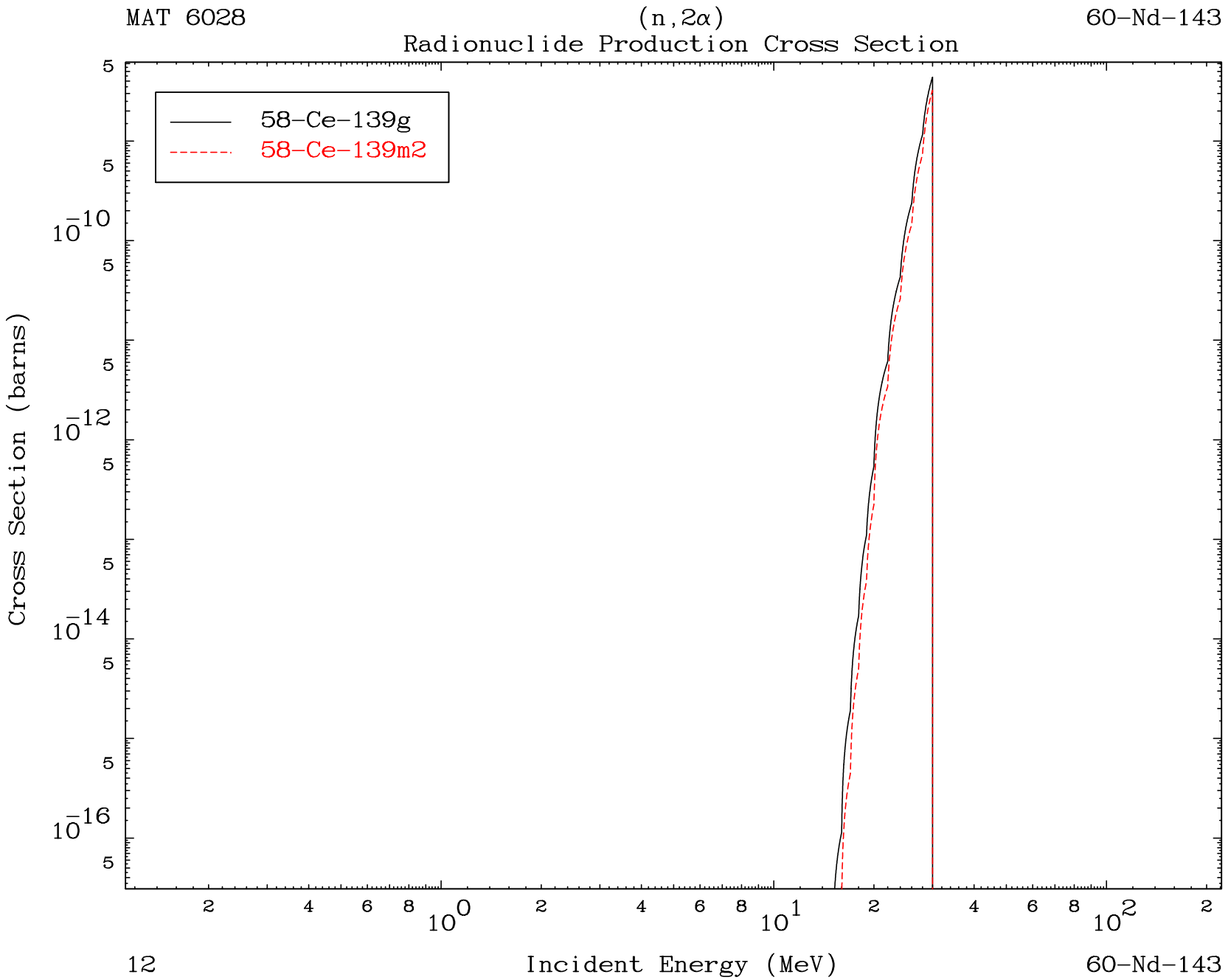

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

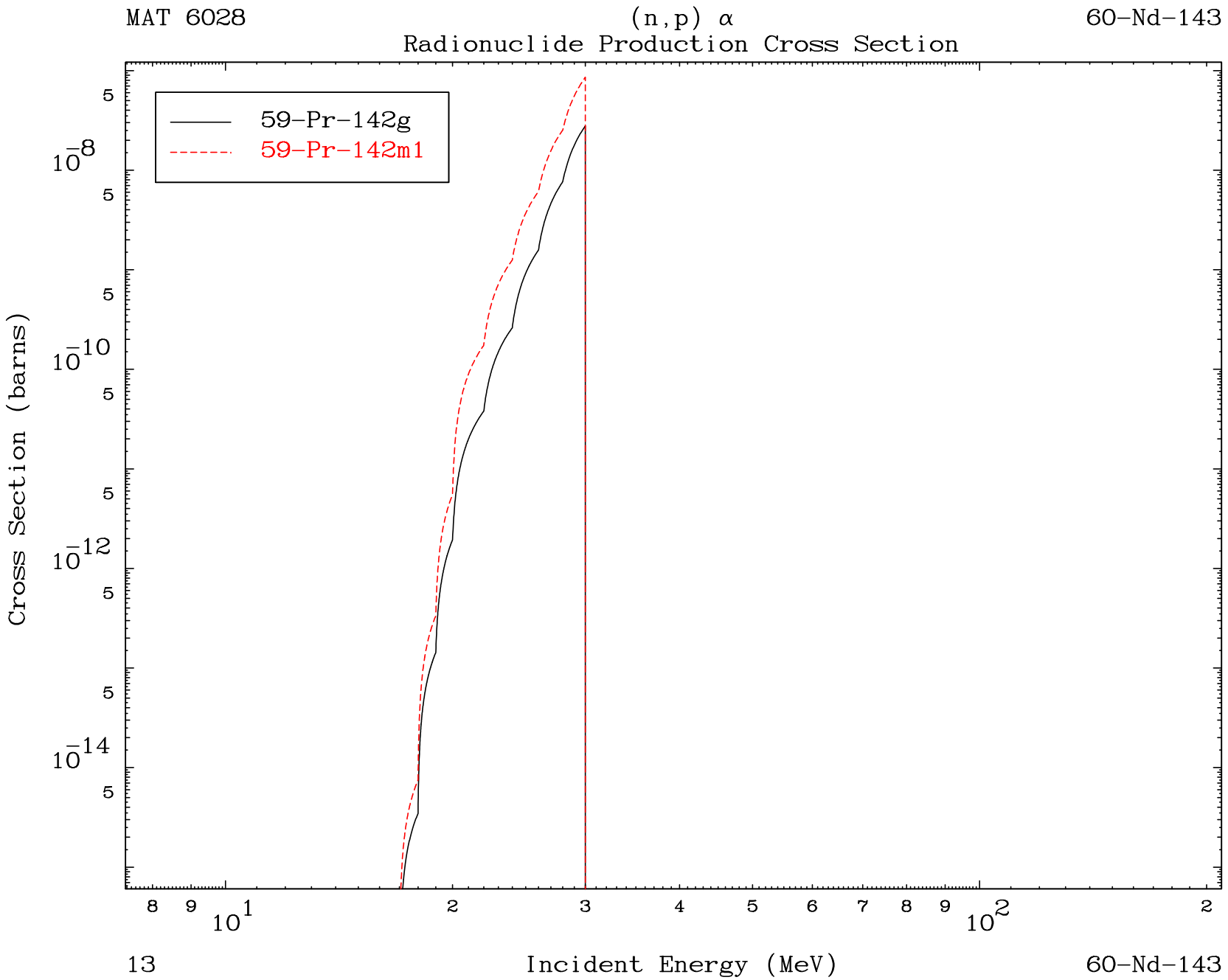
0 Kelvin Cross Sections




MAT 6028
(α,α) Levels
60-Nd-143
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143


MAT 6028
(n,2n) α
60-Nd-143
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
11
Incident Energy (MeV)
60-Nd-143


MAT 6028
(n,2α)
60-Nd-143
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-143


MAT 6028
(n,p) α
60-Nd-143
Radionuclide Production Cross Section
59-Pr-142g
59-Pr-142m1
Cross Section (barns)
Incident Energy (MeV)
13
60-Nd-143