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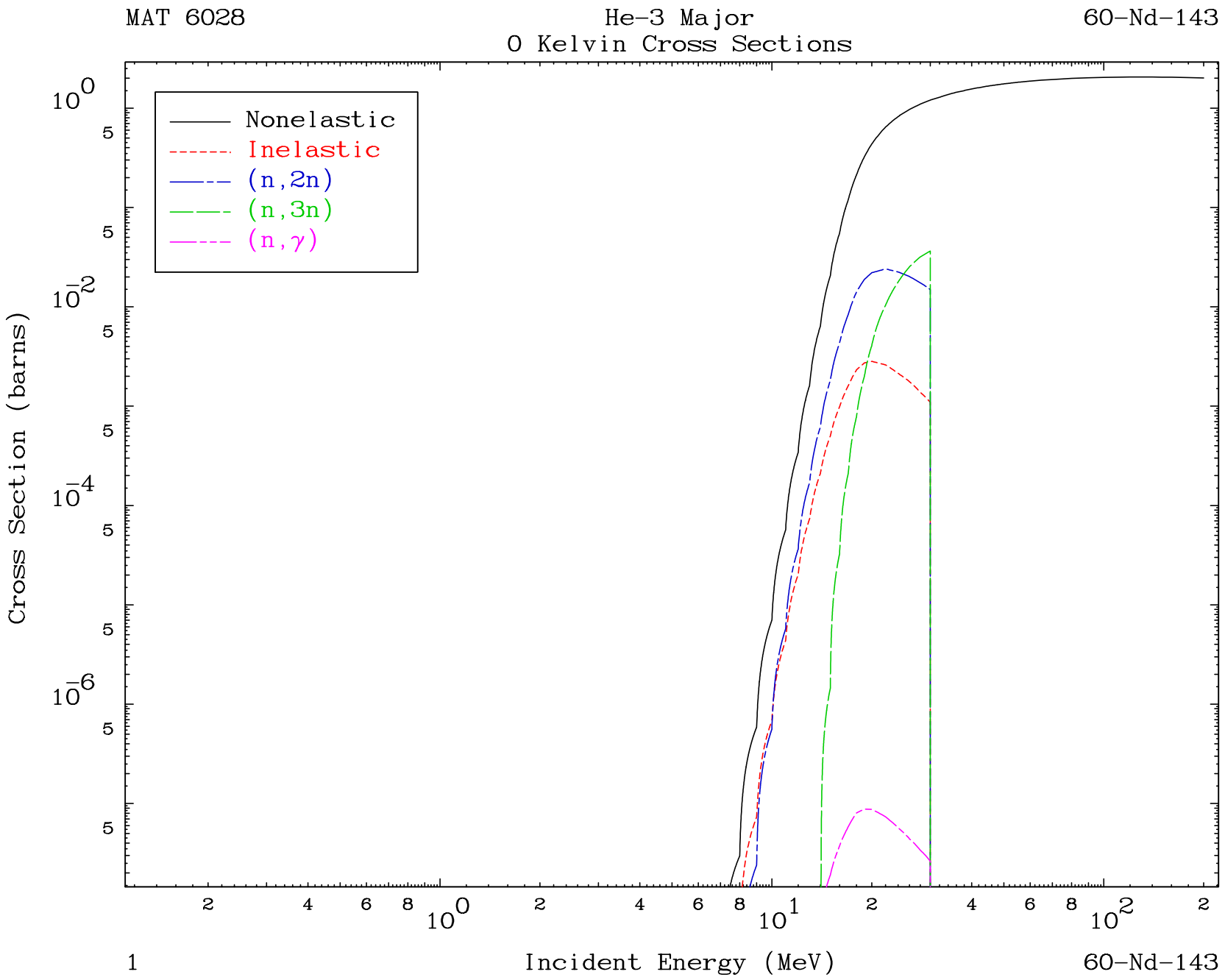
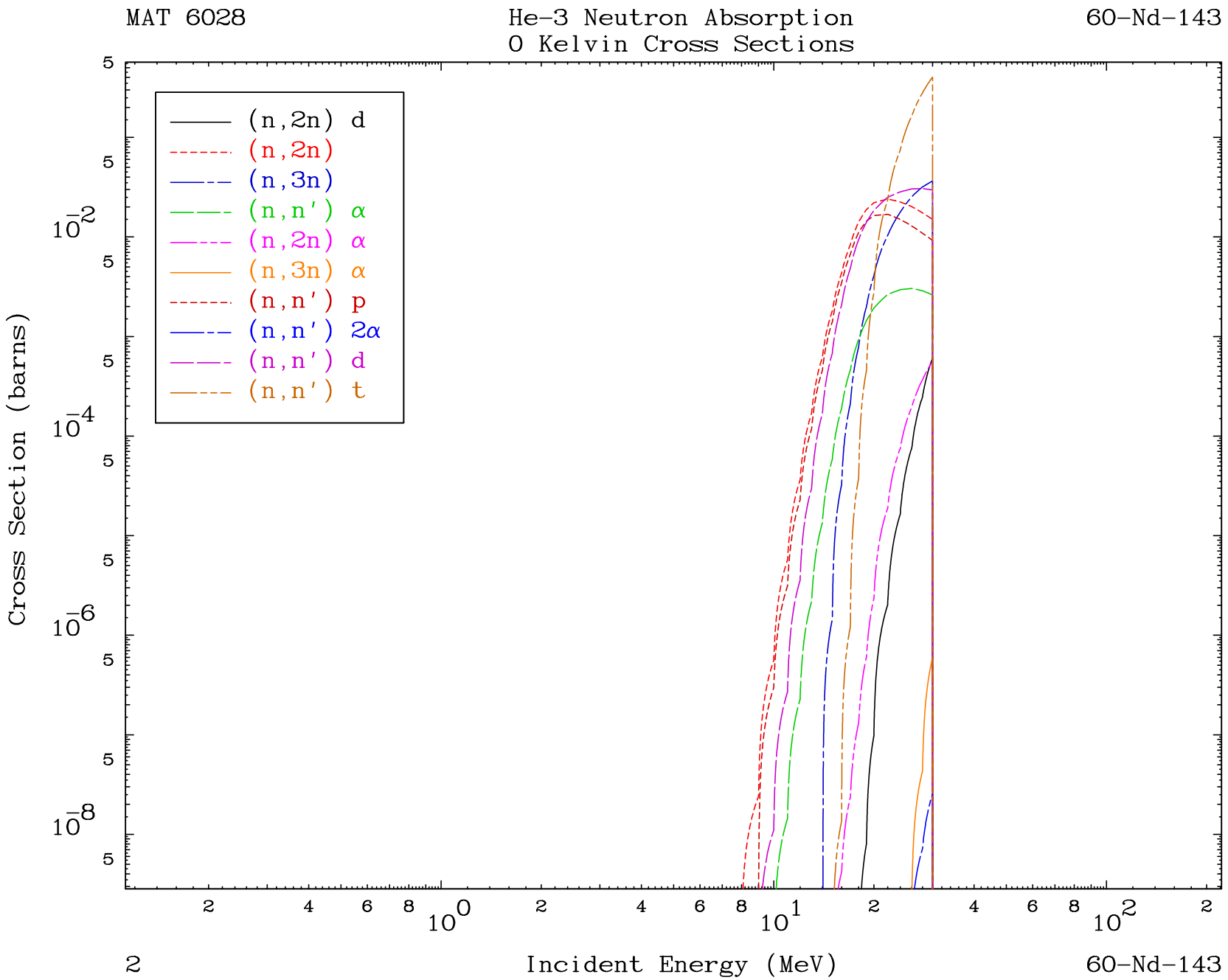
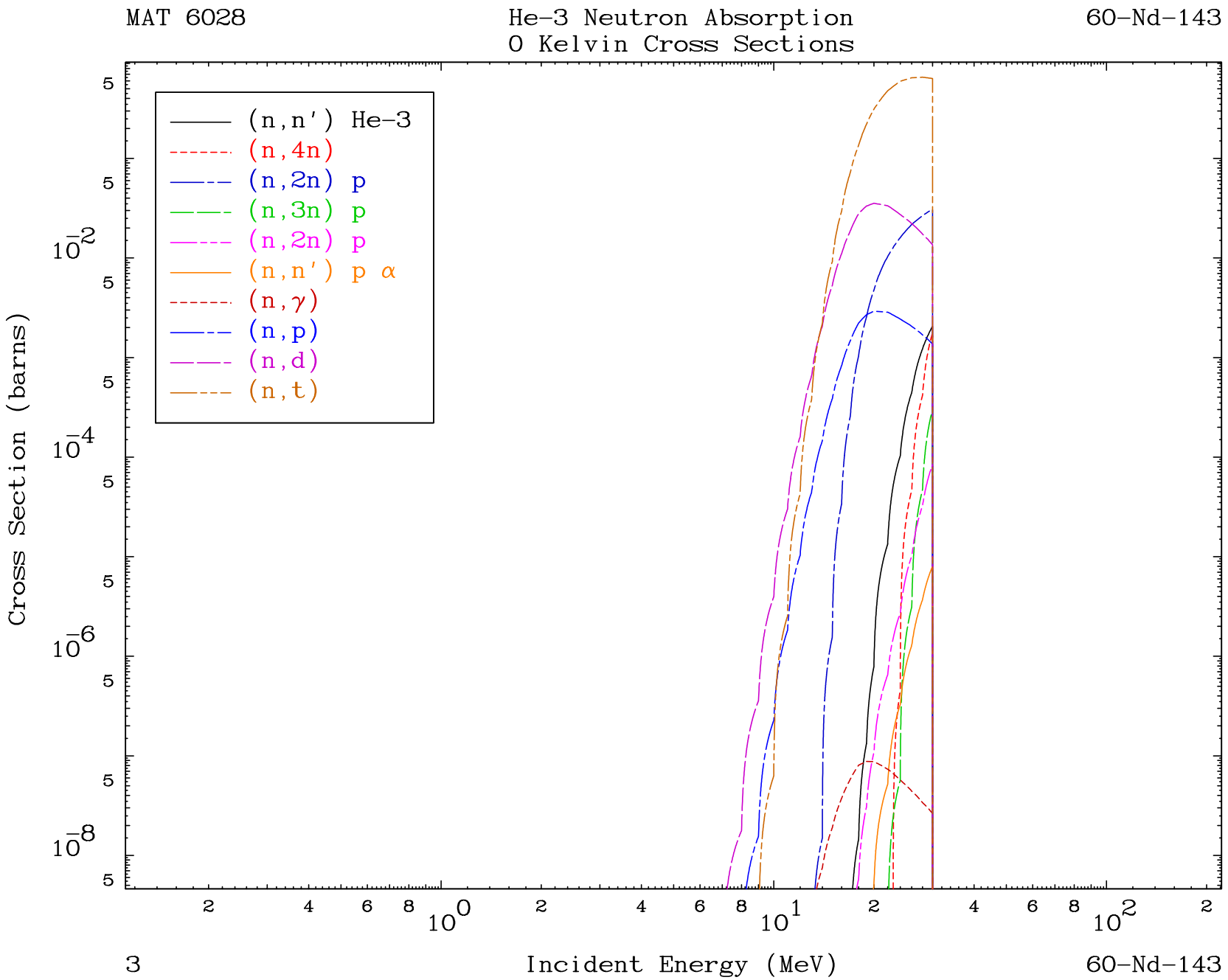
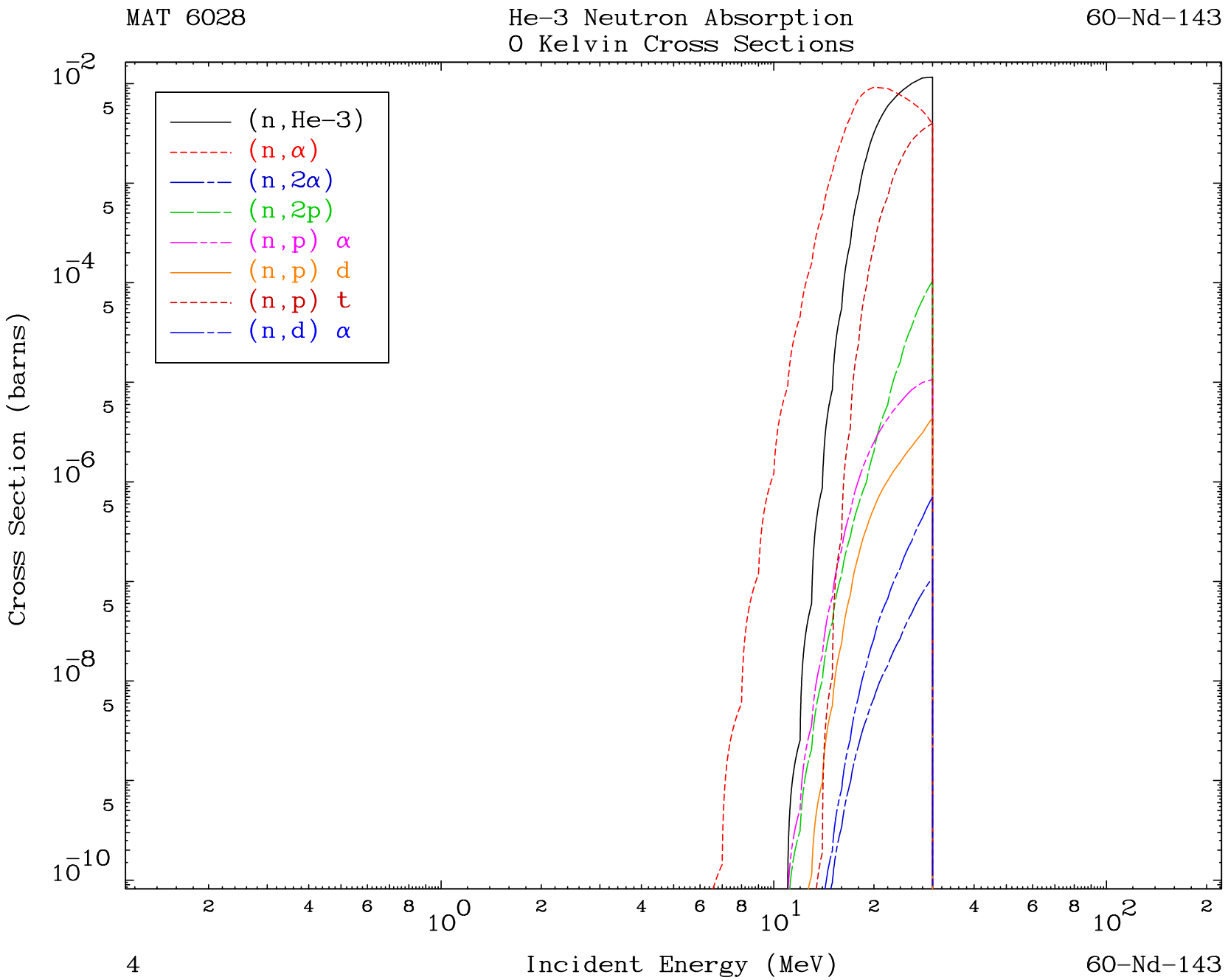
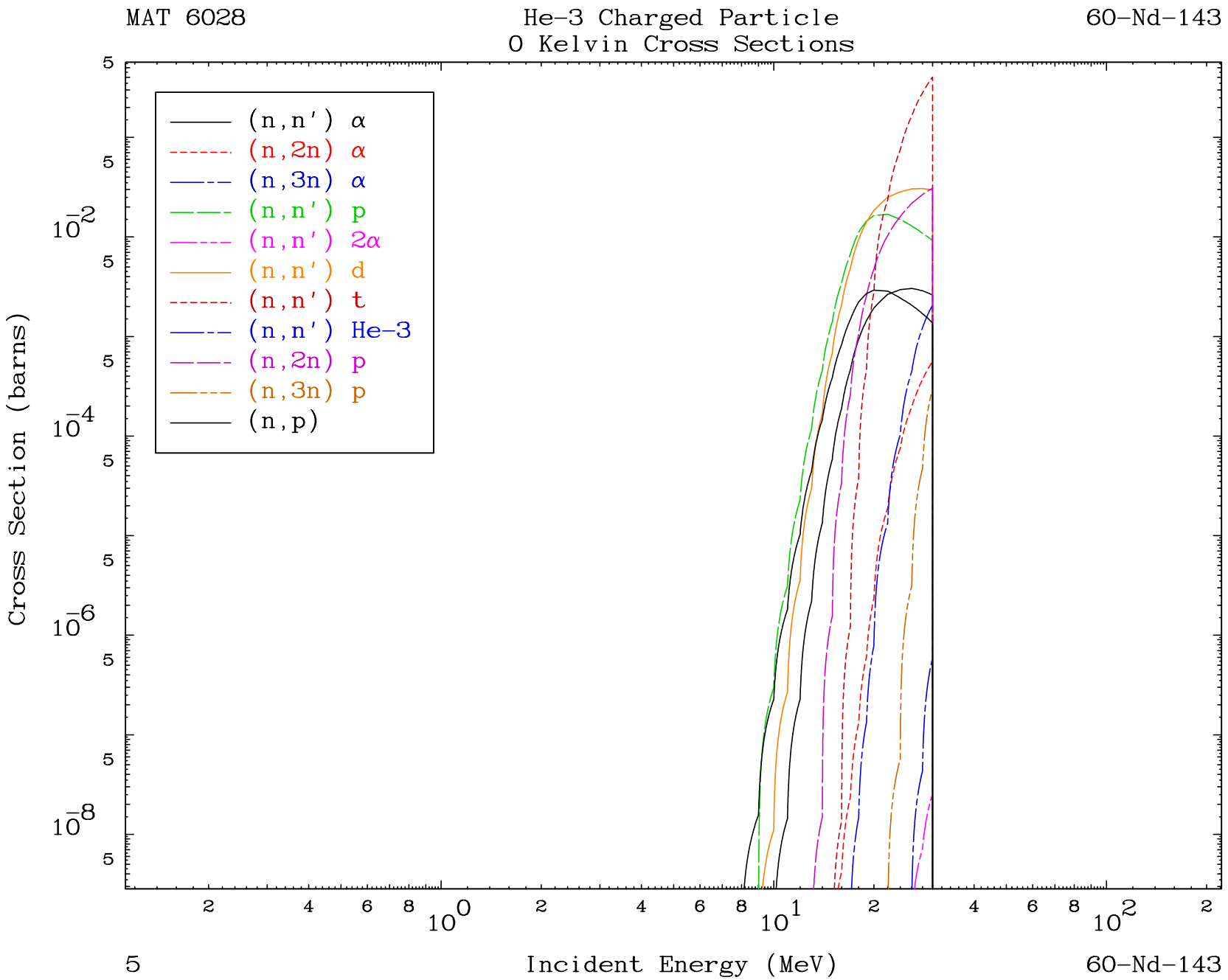
Press Mouse Button to Start

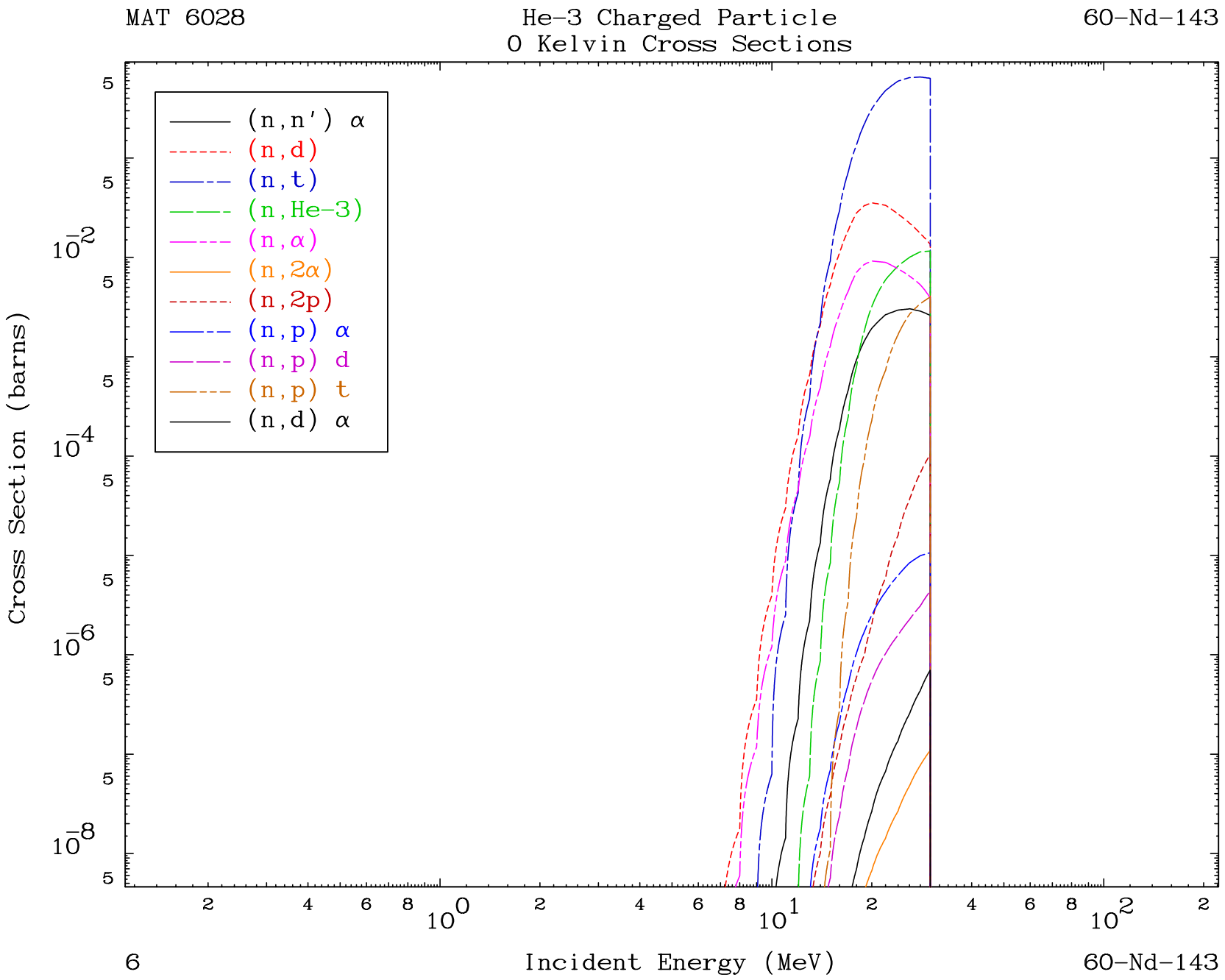

MAT 6028
He-3 Major
60-Nd-143
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
1

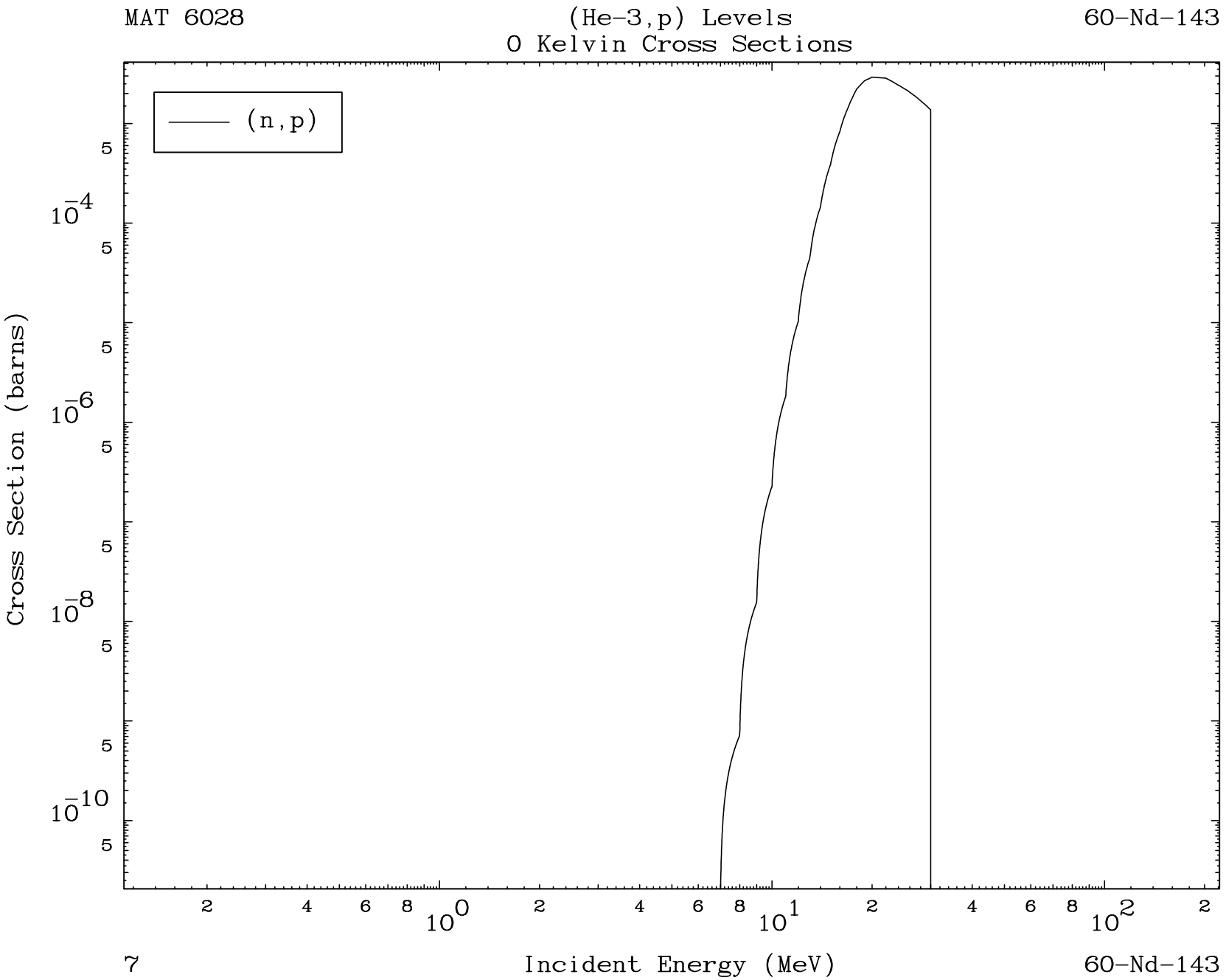

MAT 6028
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-143
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
2

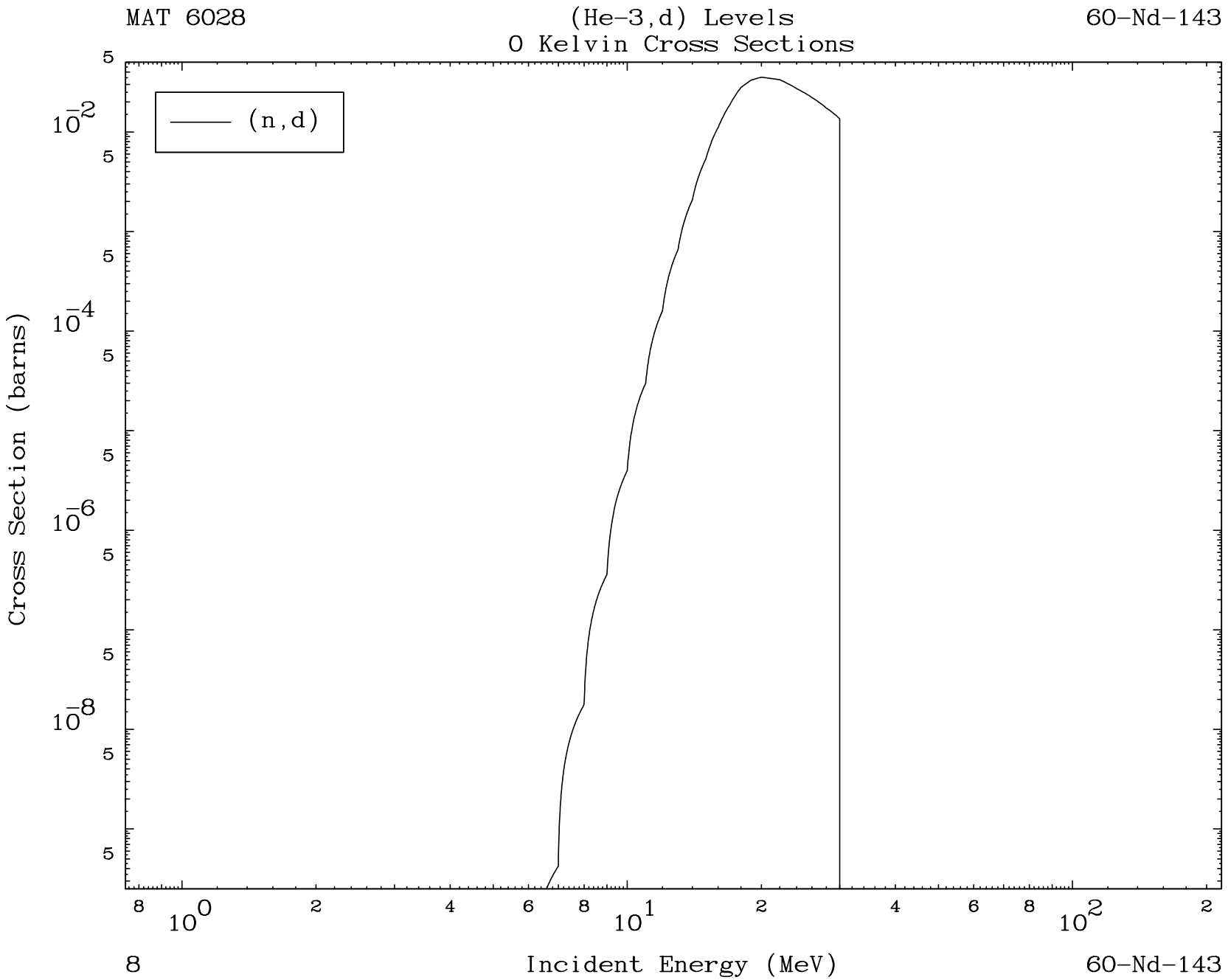

MAT 6028
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-143
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-143

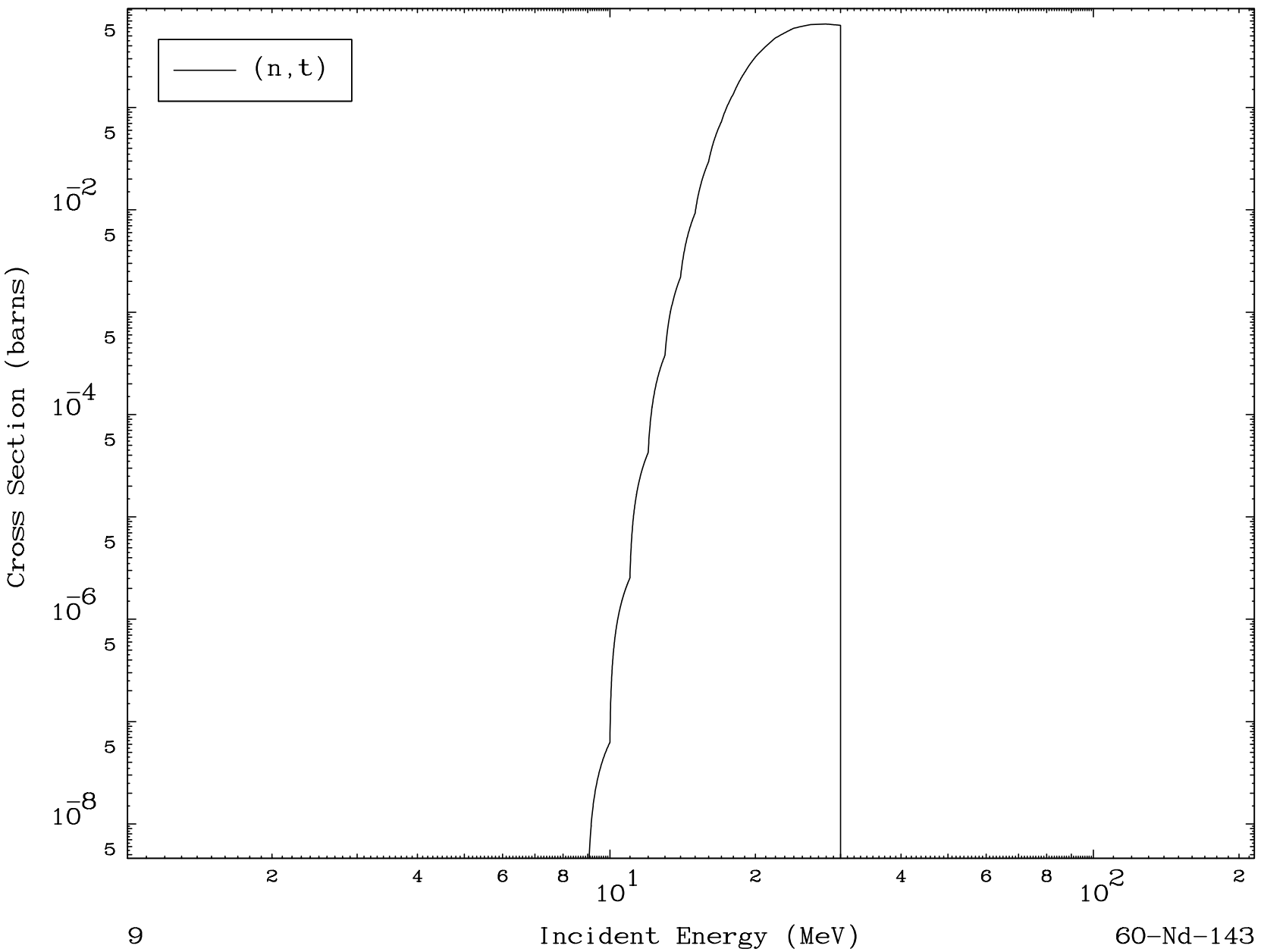

MAT 6028
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-143
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-143

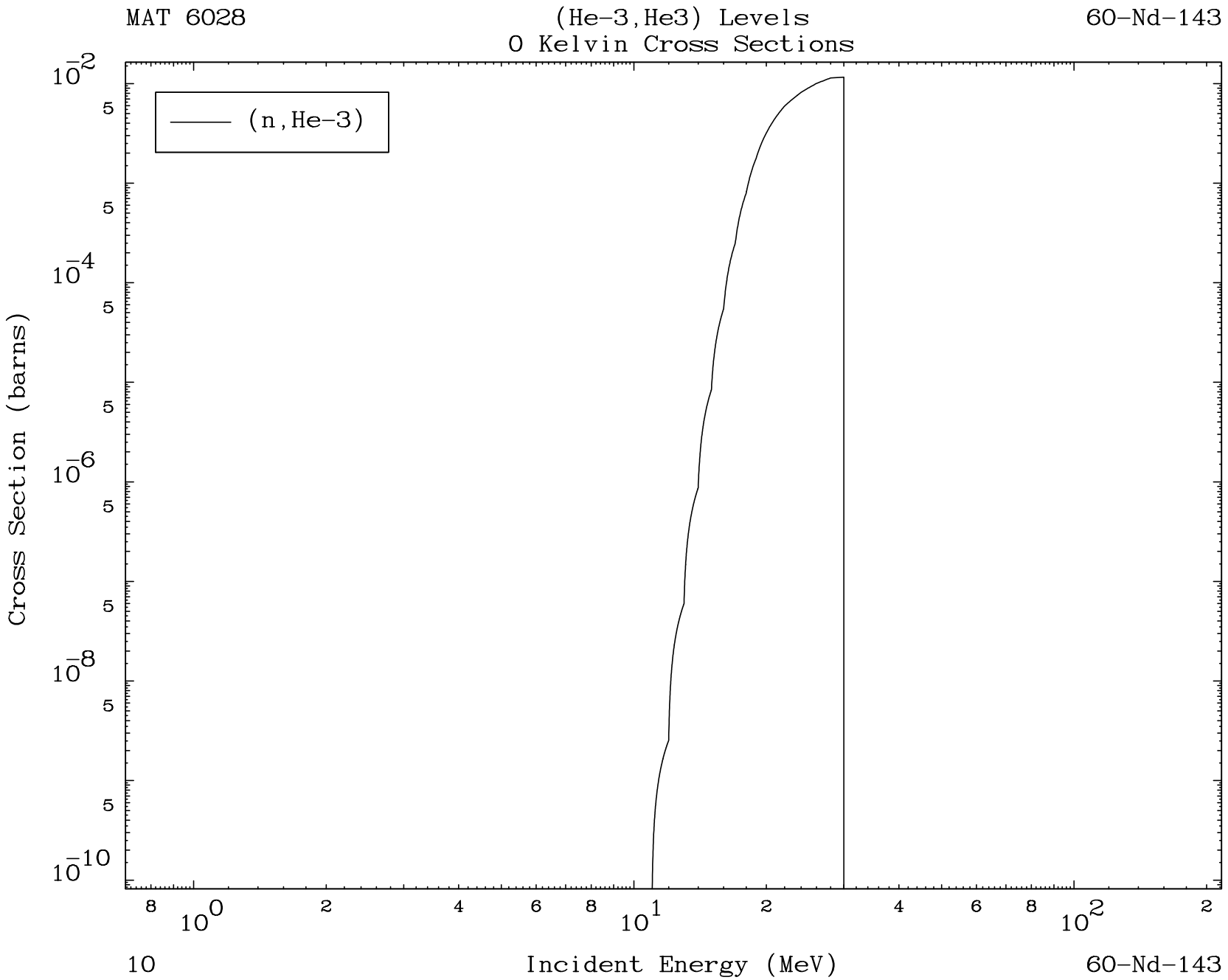

MAT 6028
He-3 Charged Particle
0 Kelvin Cross Sections
60-Nd-143
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143

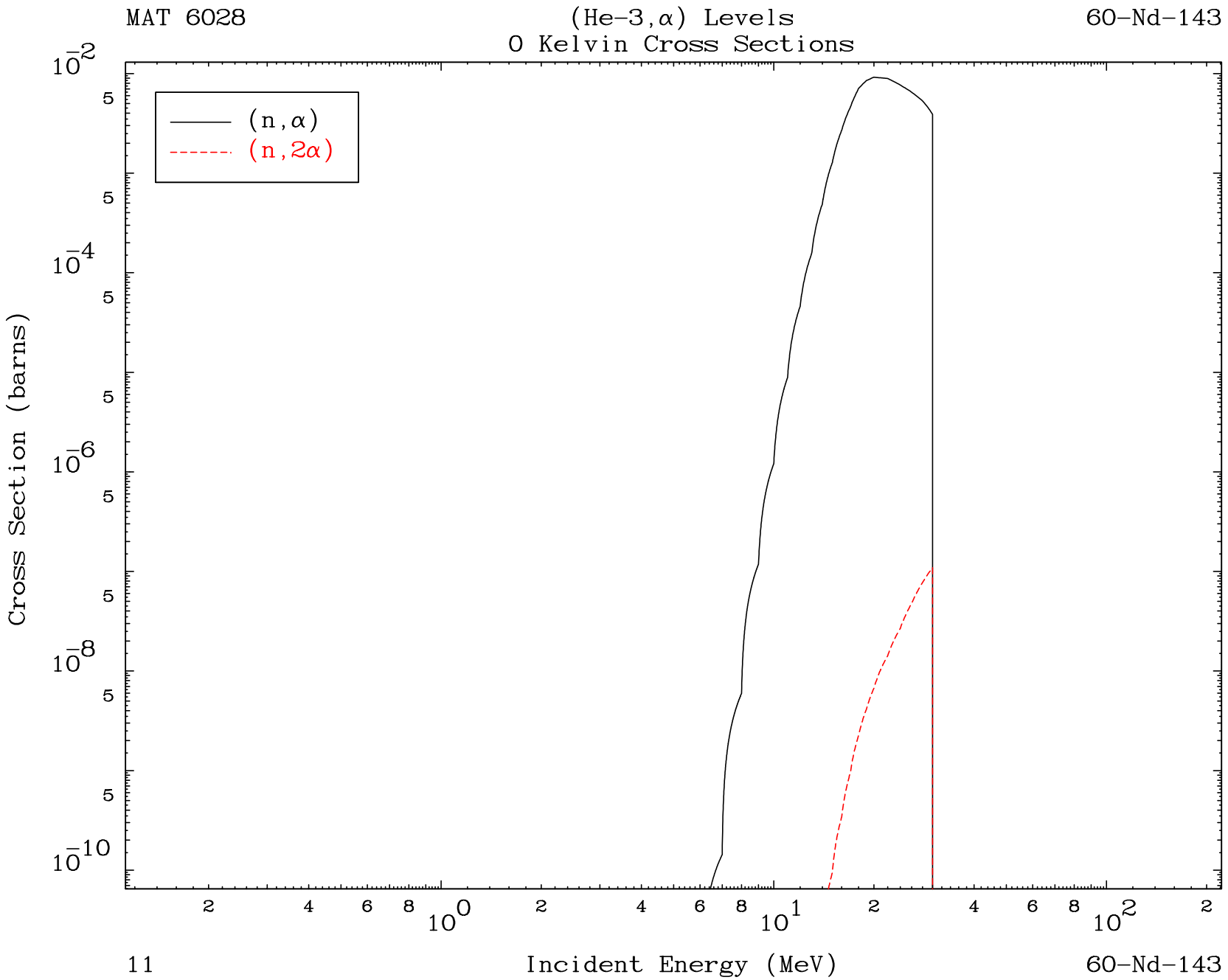

MAT 6028
He-3 Charged Particle
0 Kelvin Cross Sections
60-Nd-143
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-143

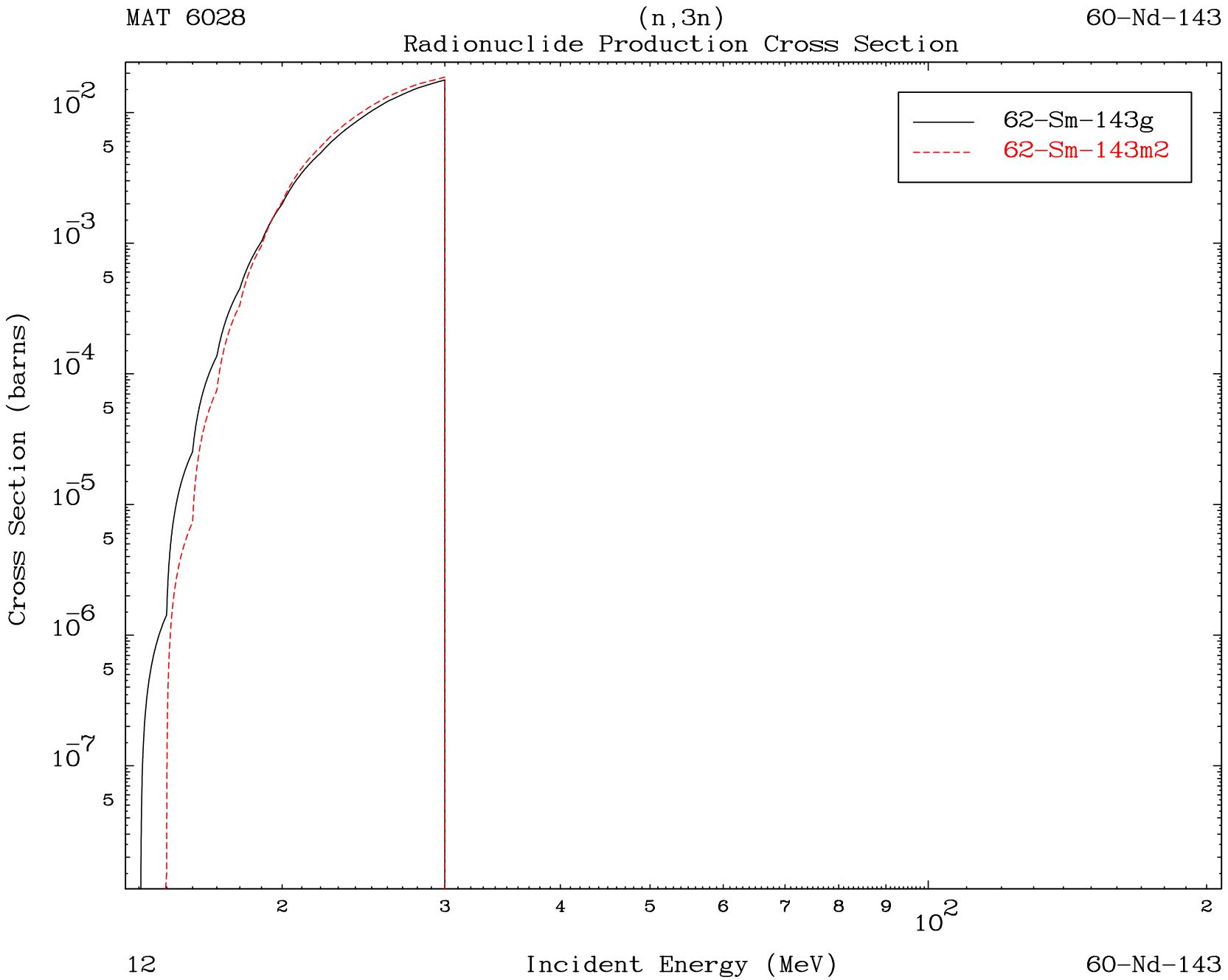

MAT 6028
(He-3,p) Levels
0 Kelvin Cross Sections
60-Nd-143
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
100
101
102
2
4
6
8
Incident Energy (MeV)
7
60-Nd-143

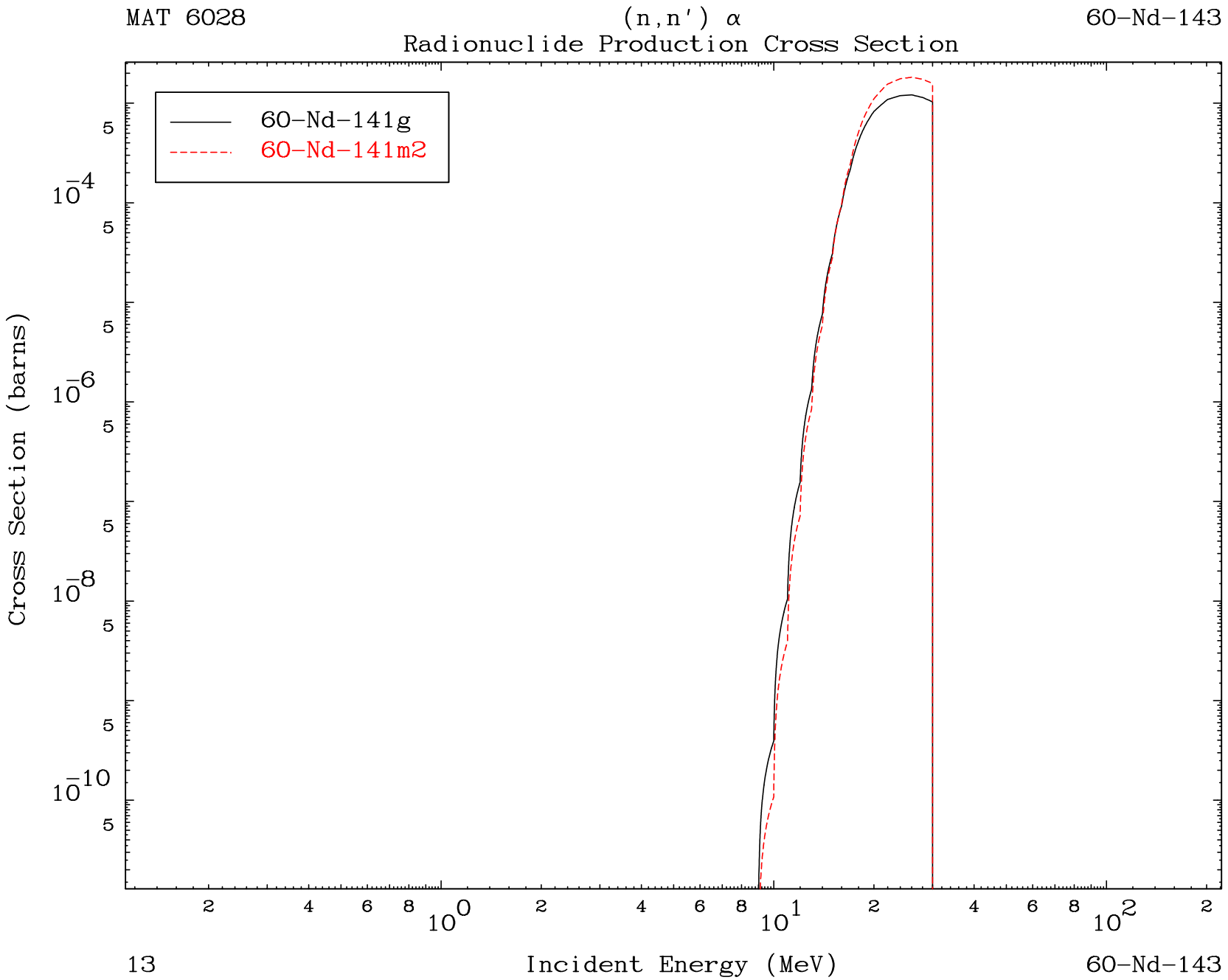

MAT 6028
(He-3,d) Levels
60-Nd-143
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143
8

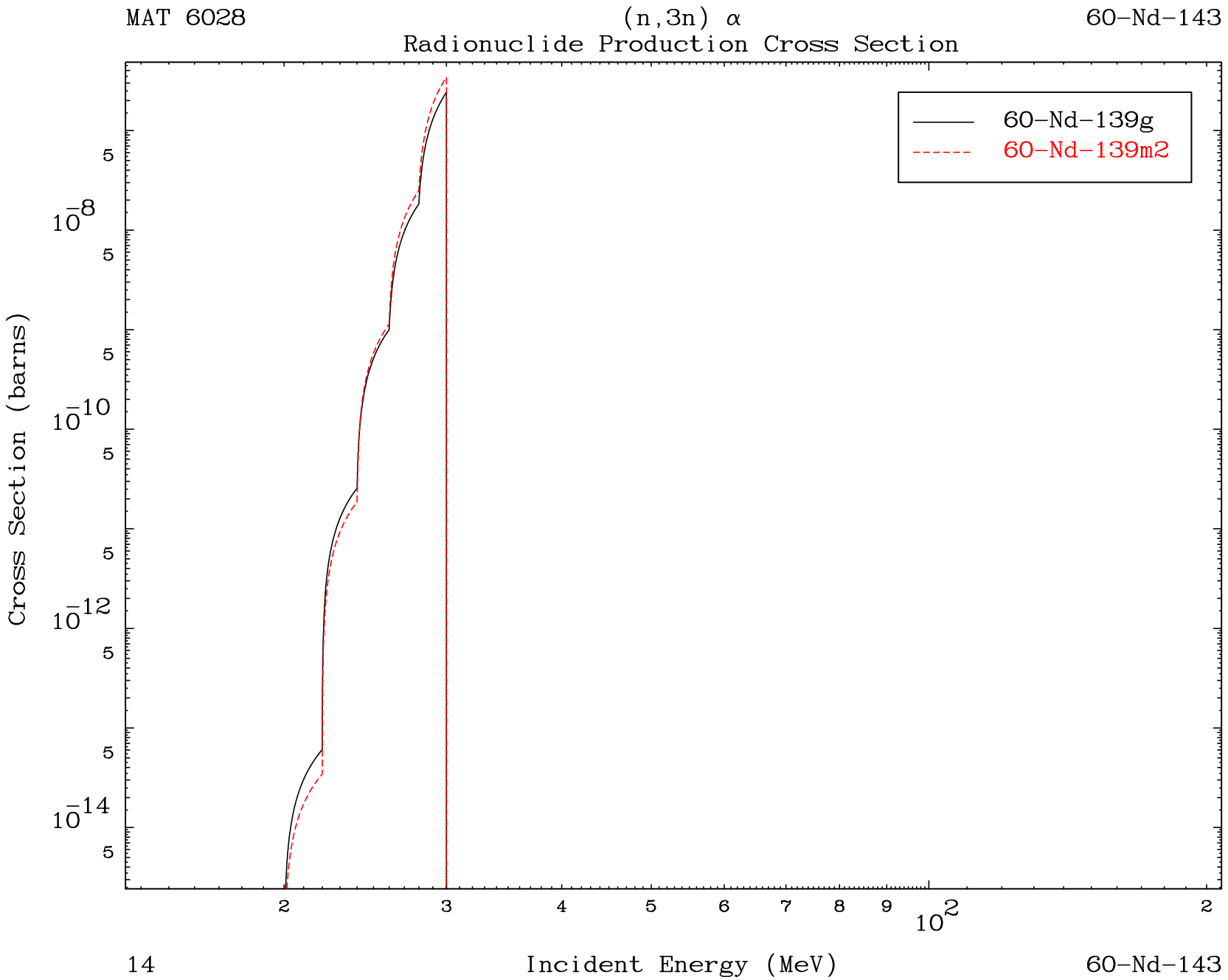

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
Incident Energy (MeV)

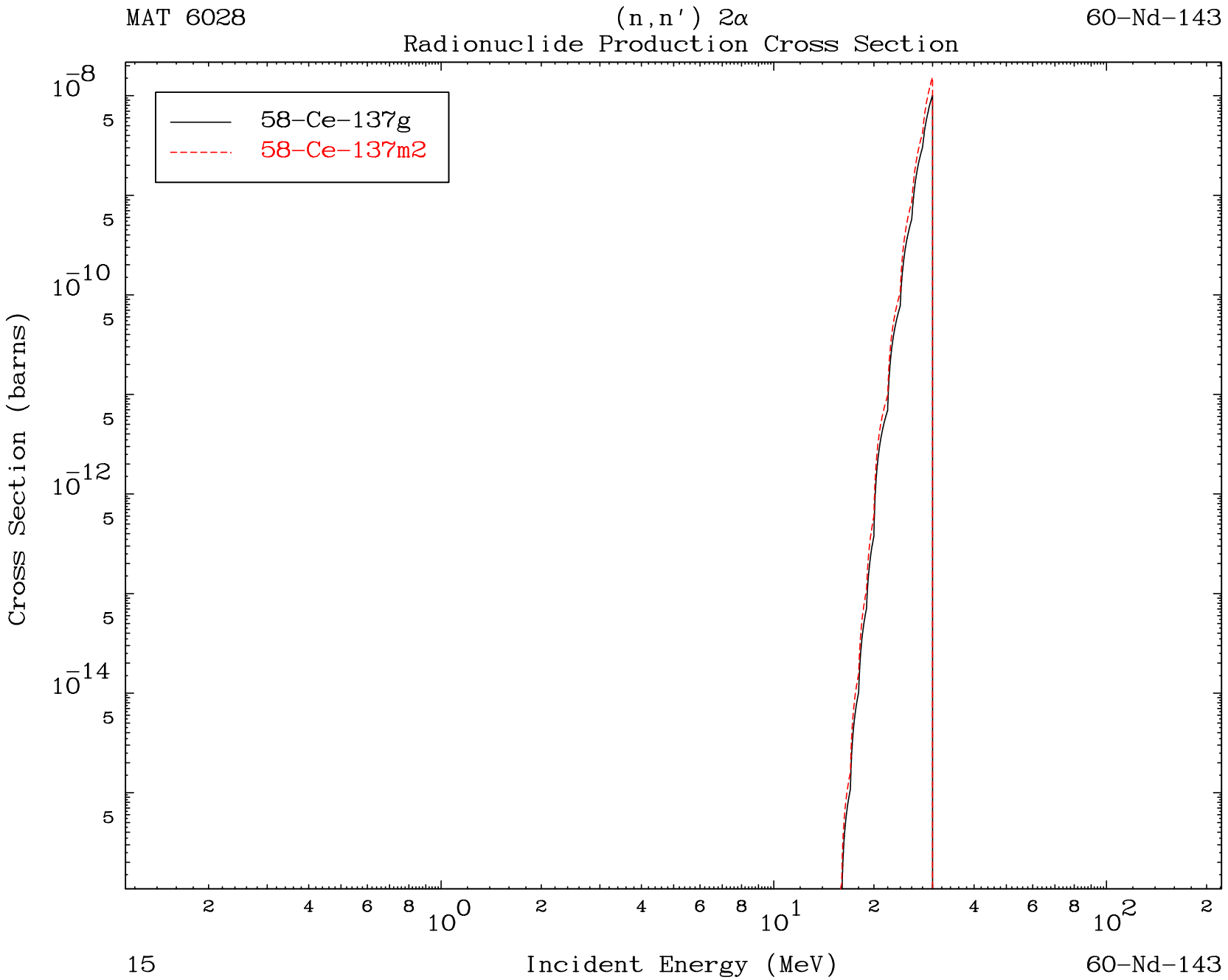

MAT 6028
(He-3,He3) Levels
60-Nd-143
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-143


MAT 6028
(He-3,α) Levels
0 Kelvin Cross Sections
60-Nd-143
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
60-Nd-143


MAT 6028
(n,3n)
60-Nd-143
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-143


MAT 6028
(n,n') α
60-Nd-143
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
60-Nd-143


MAT 6028
(n,3n) α
60-Nd-143
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
6
7
8
9
10^2
14
Incident Energy (MeV)
60-Nd-143


MAT 6028
(n,n') 2α
60-Nd-143
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
15
60-Nd-143