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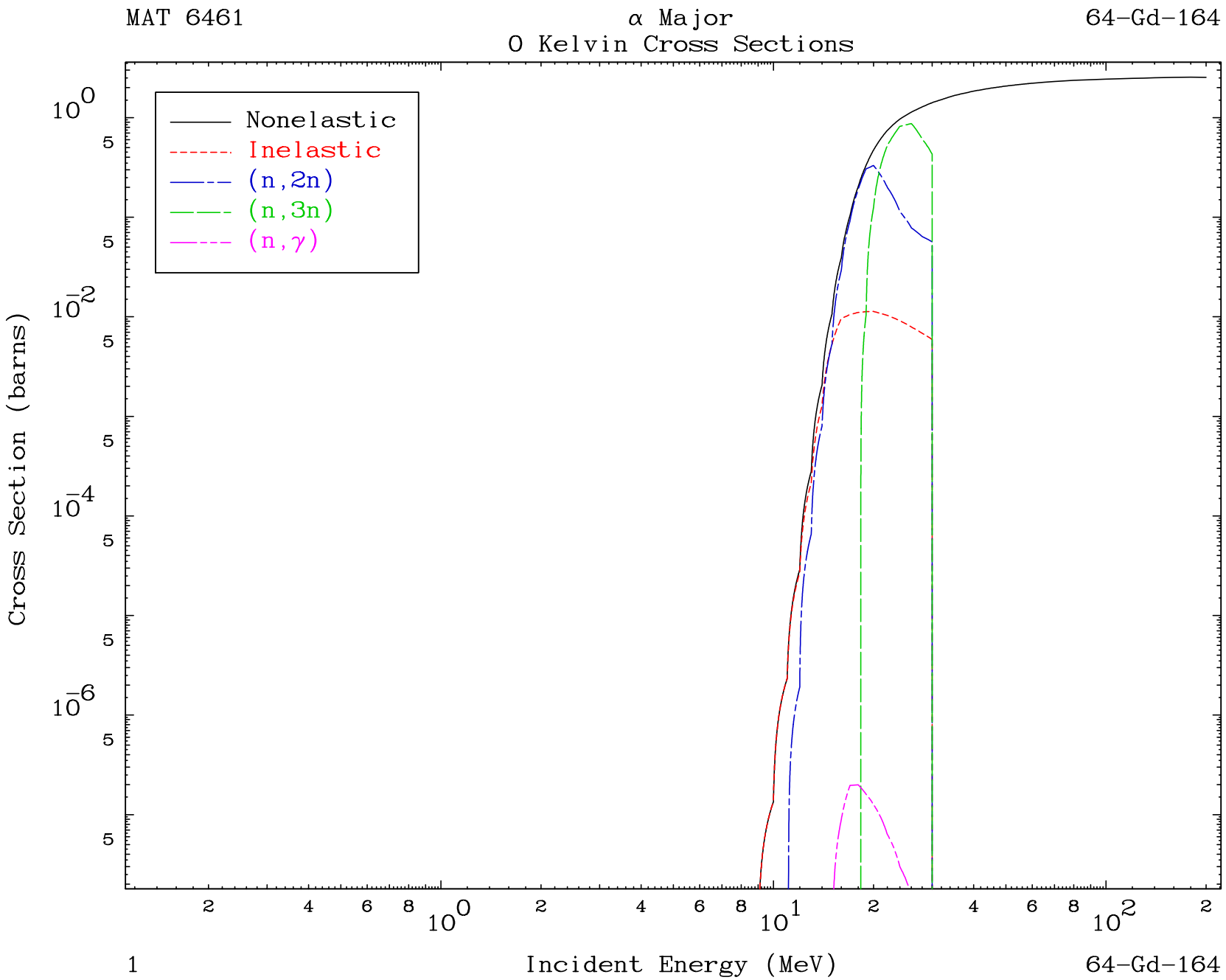
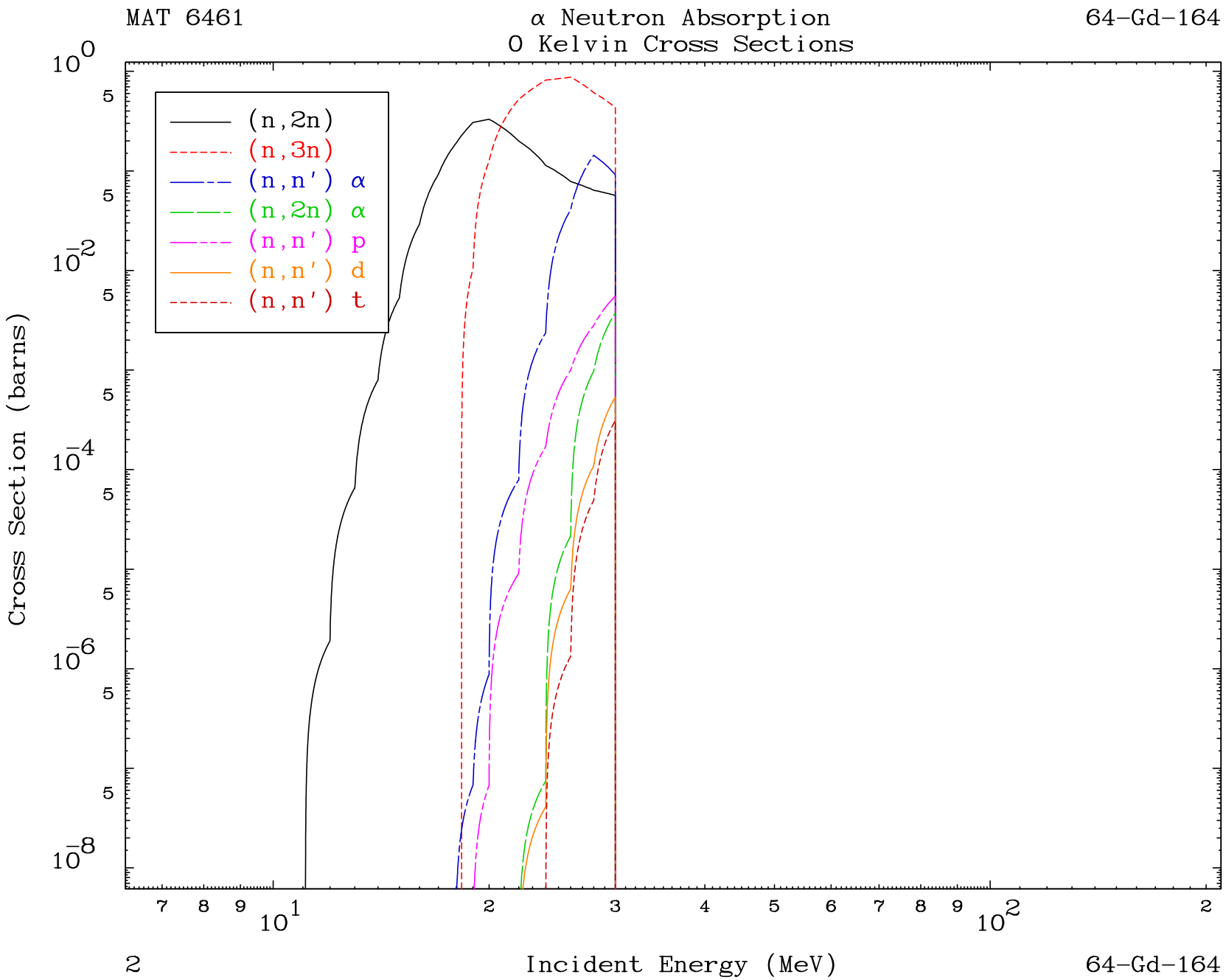
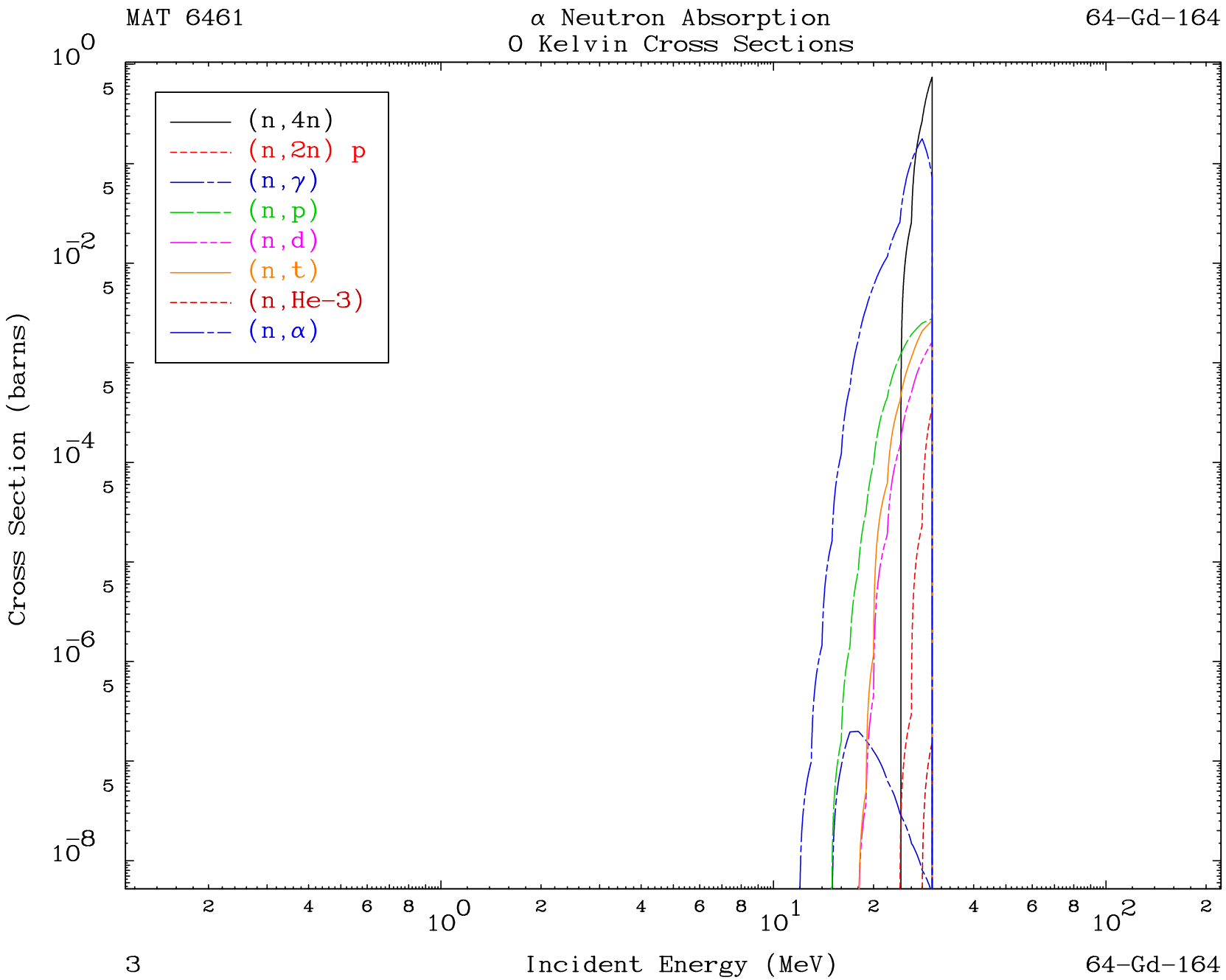
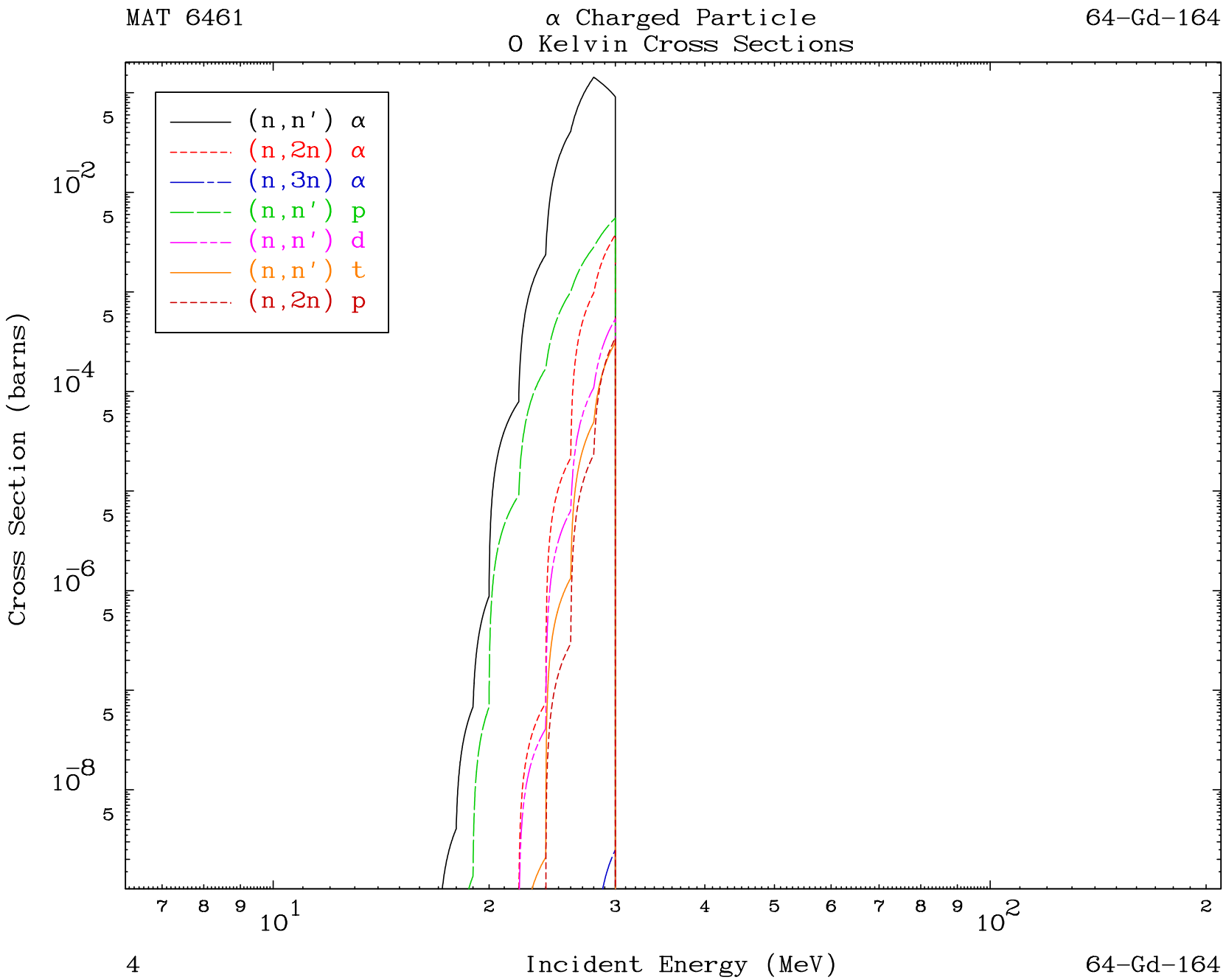
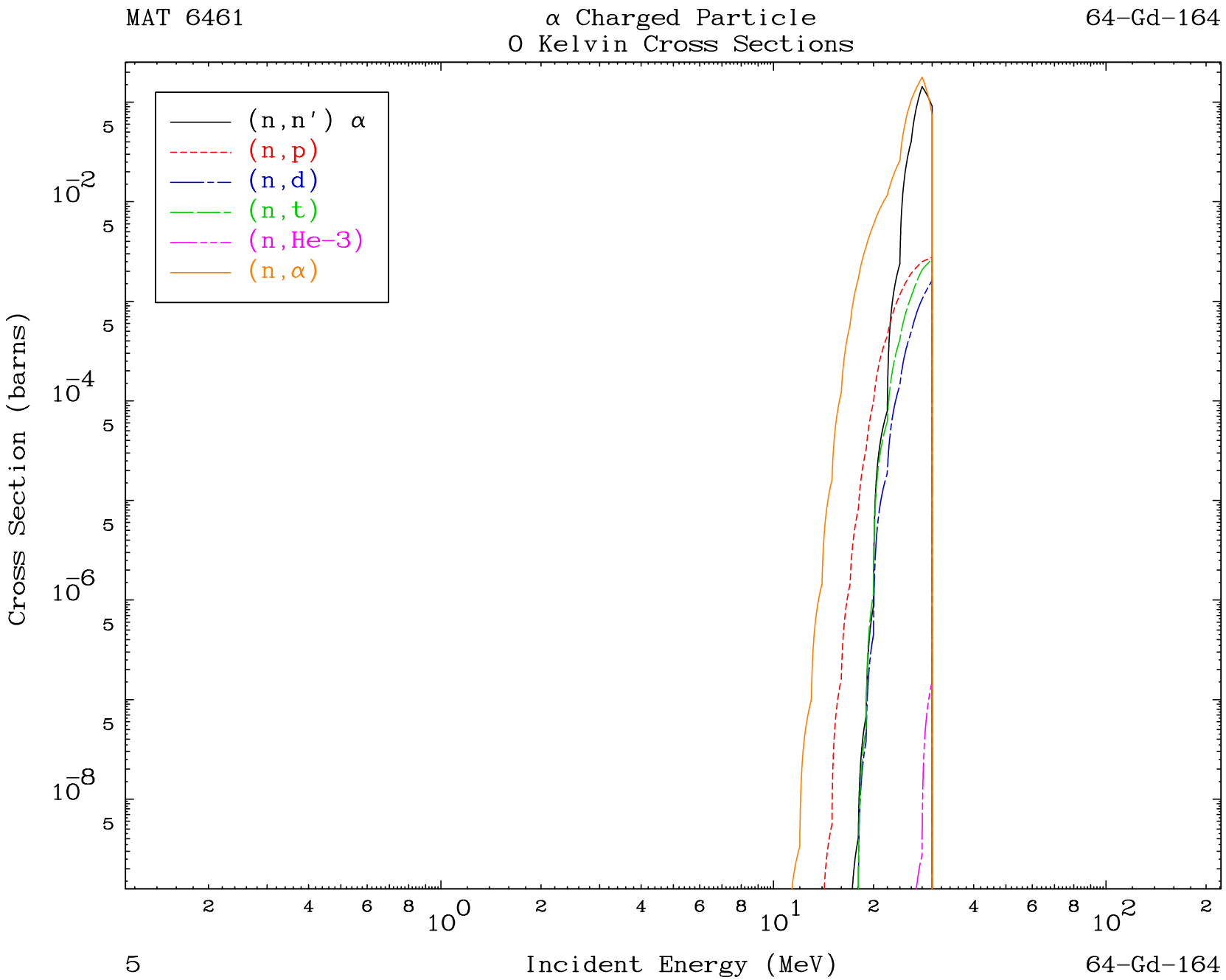
Press Mouse Button to Start

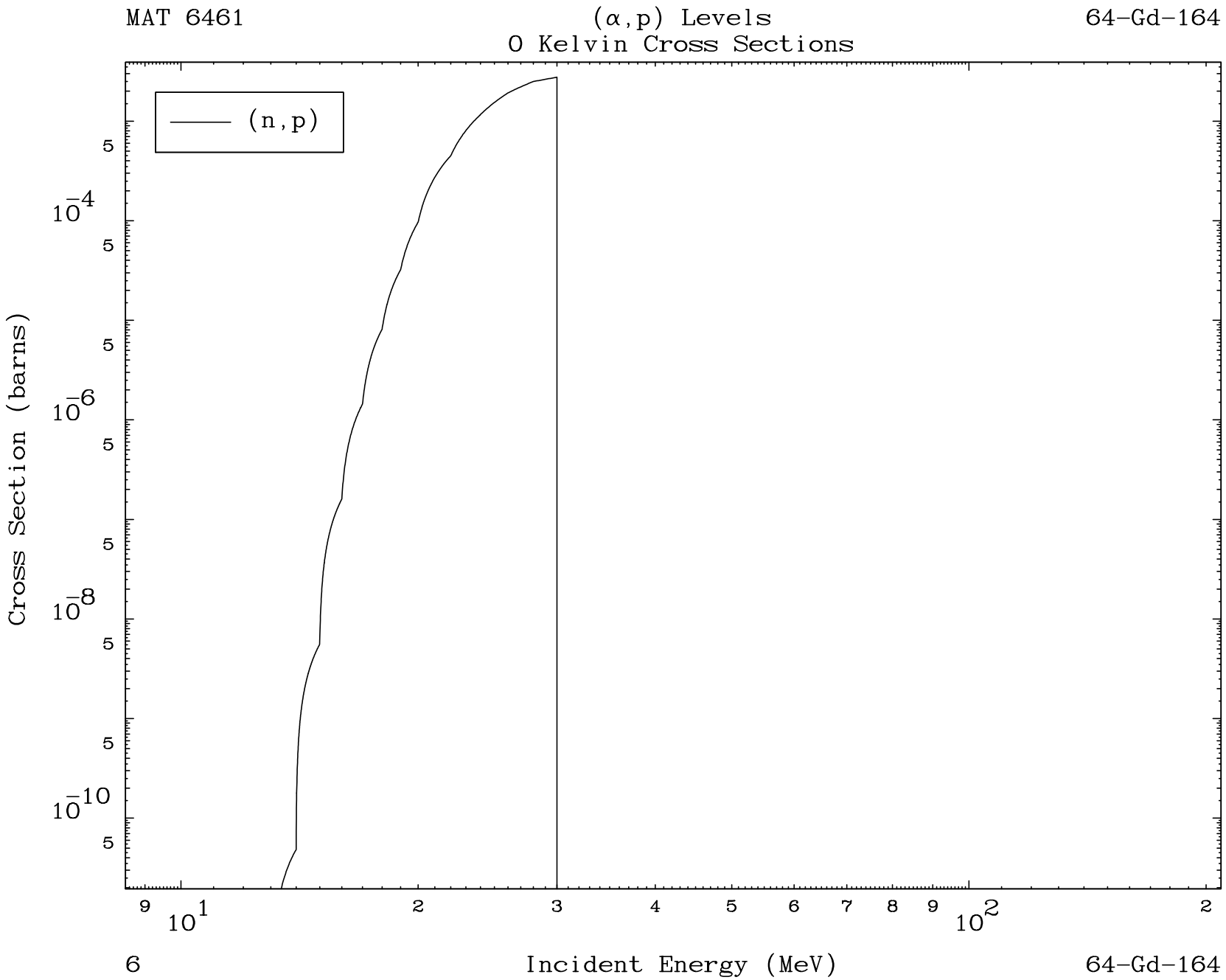

MAT 6461
α Major
64-Gd-164
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-164
1

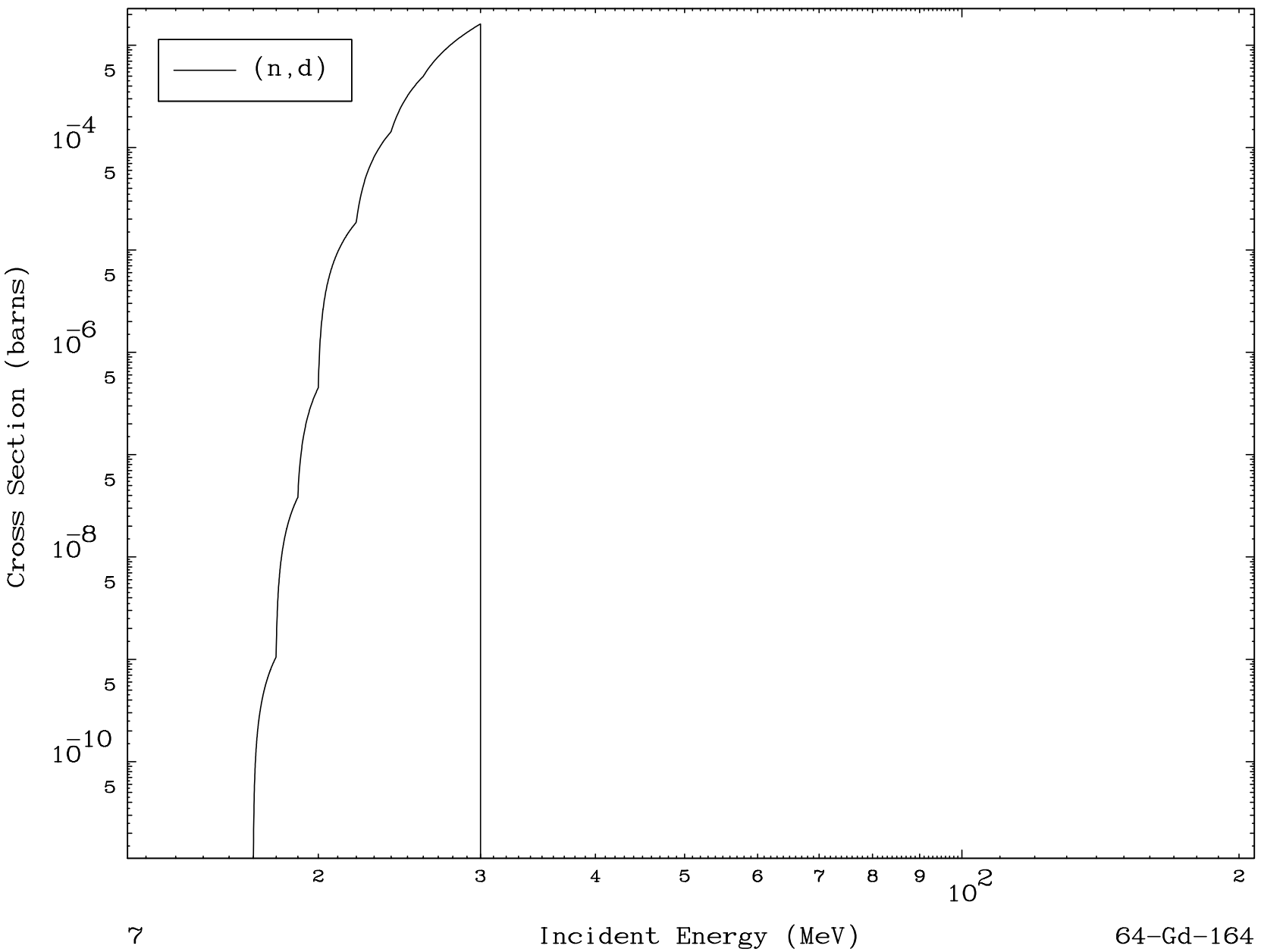

MAT 6461
α Neutron Absorption
0 Kelvin Cross Sections
64-Gd-164
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
64-Gd-164
2


MAT 6461
α Neutron Absorption
0 Kelvin Cross Sections
64-Gd-164
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-164

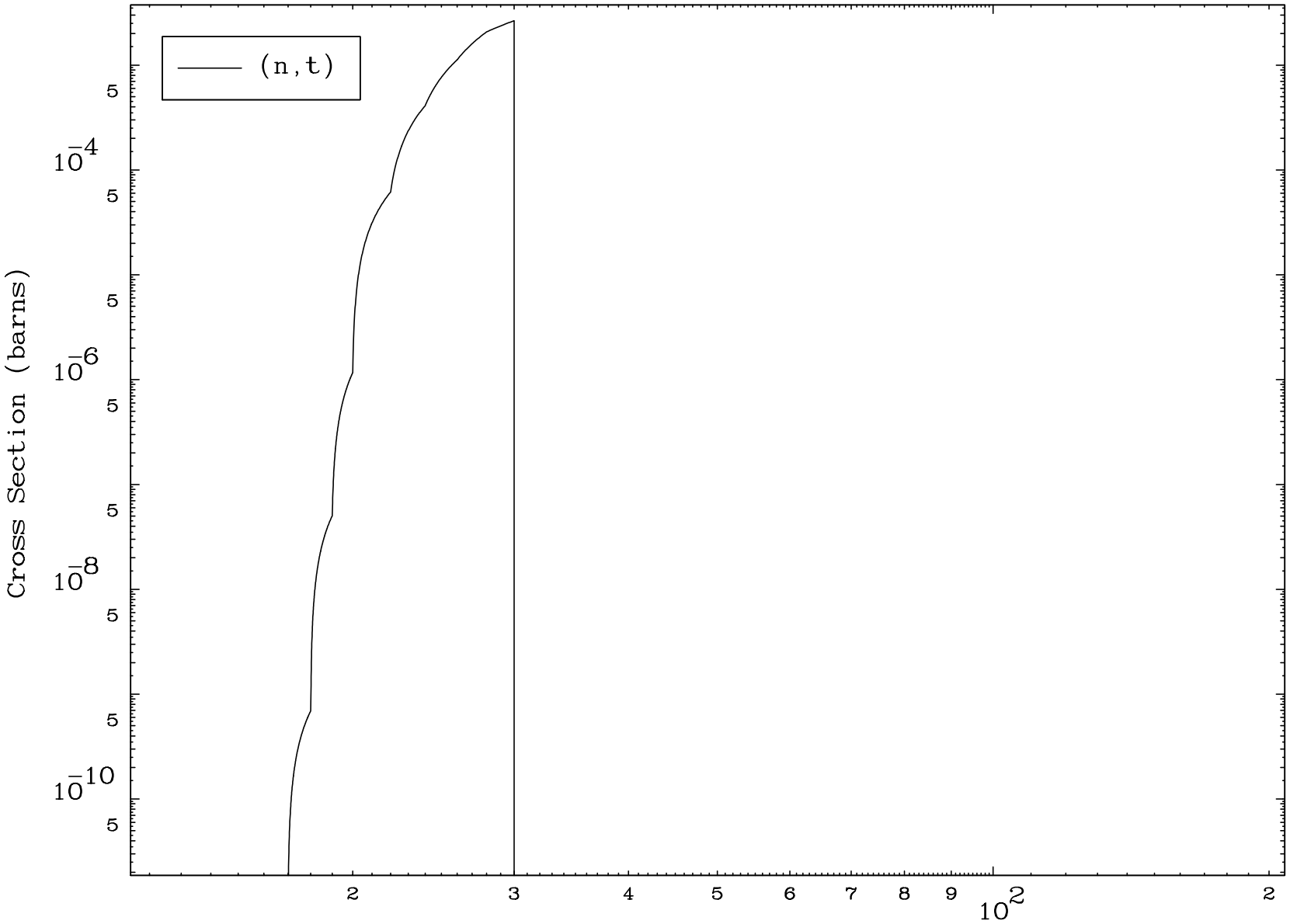

MAT 6461
α Charged Particle
0 Kelvin Cross Sections
64-Gd-164
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
64-Gd-164

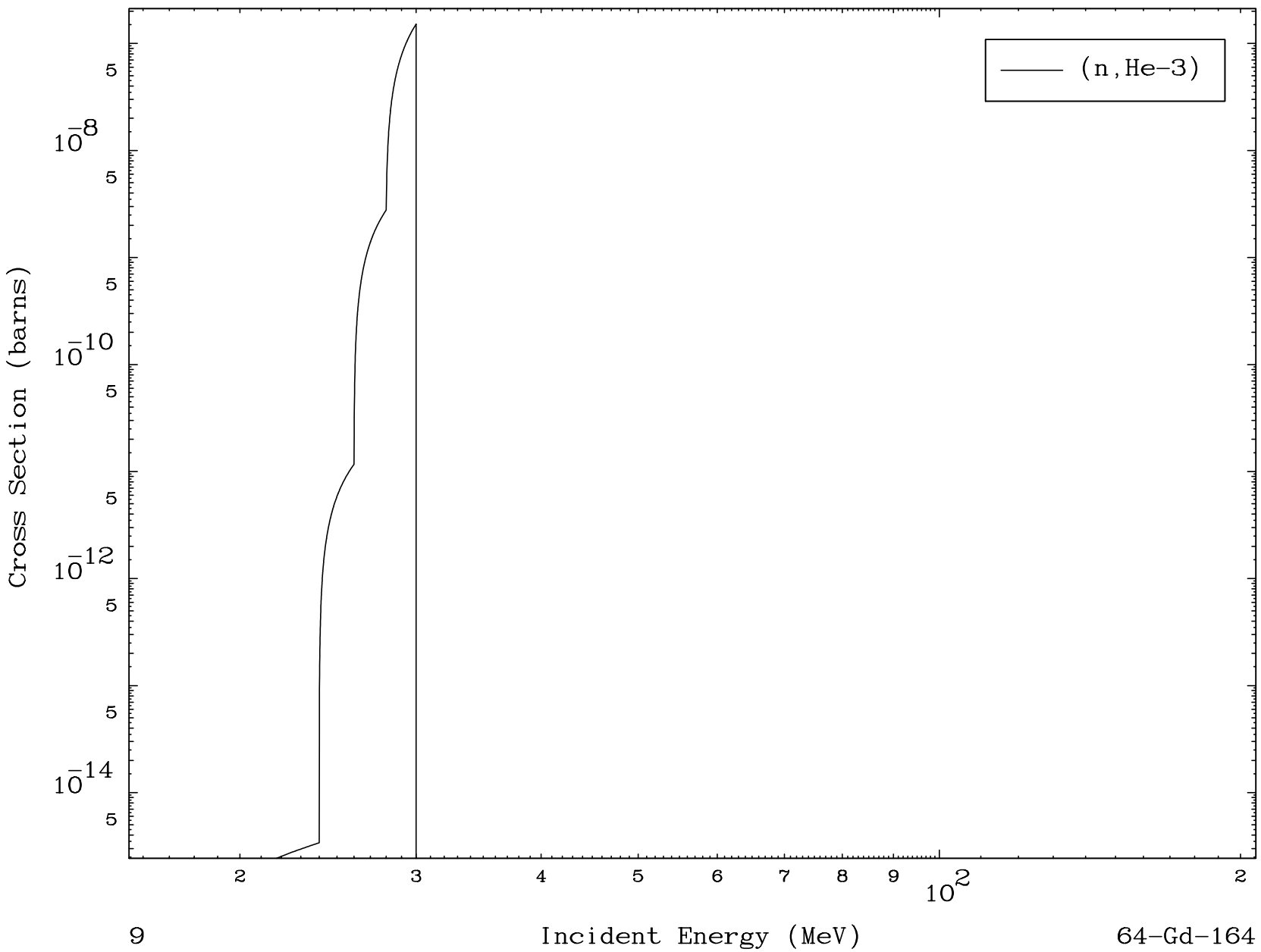

MAT 6461
α Charged Particle
0 Kelvin Cross Sections
64-Gd-164
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-164
5

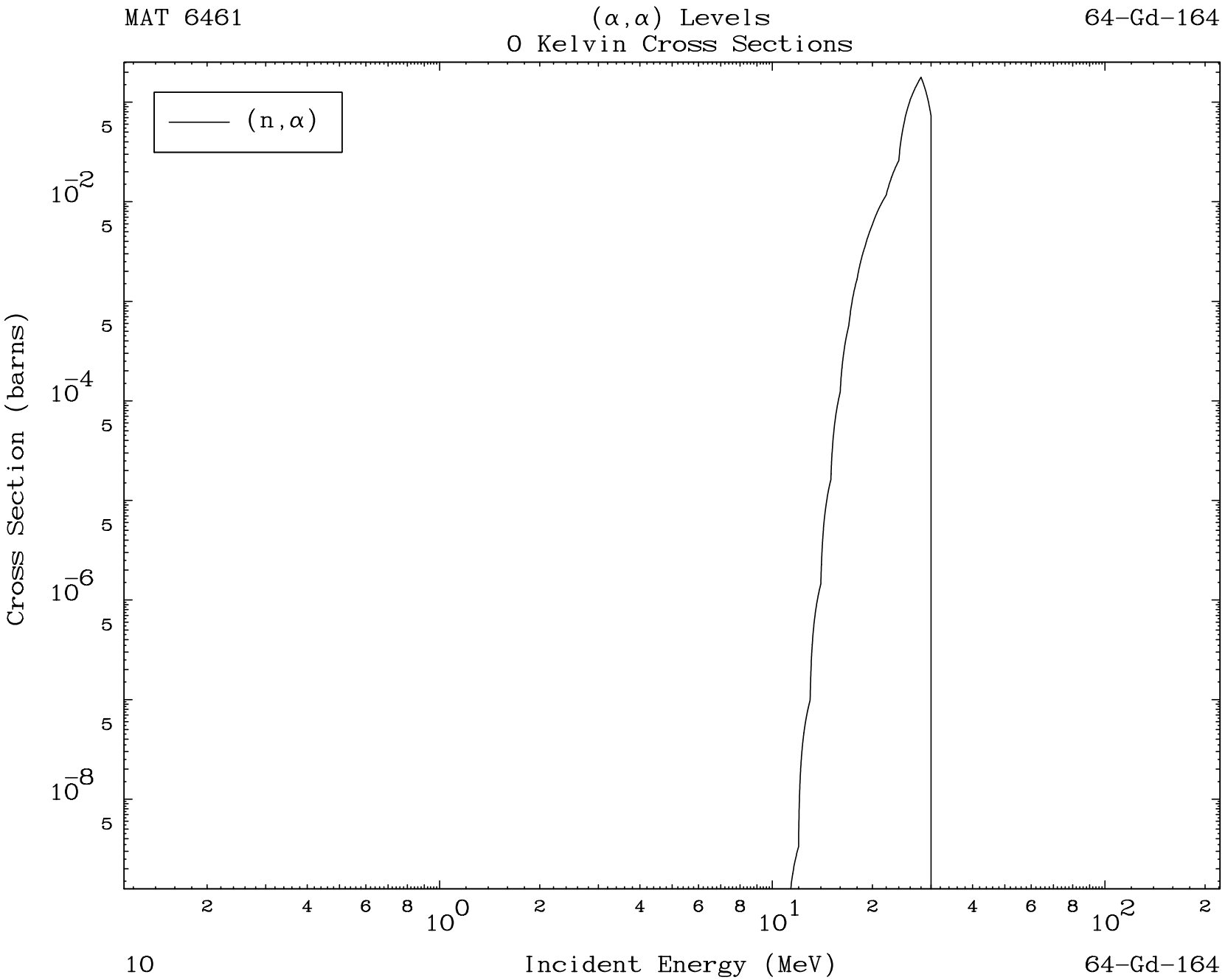

MAT 6461
(α,p) Levels
64-Gd-164
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
64-Gd-164

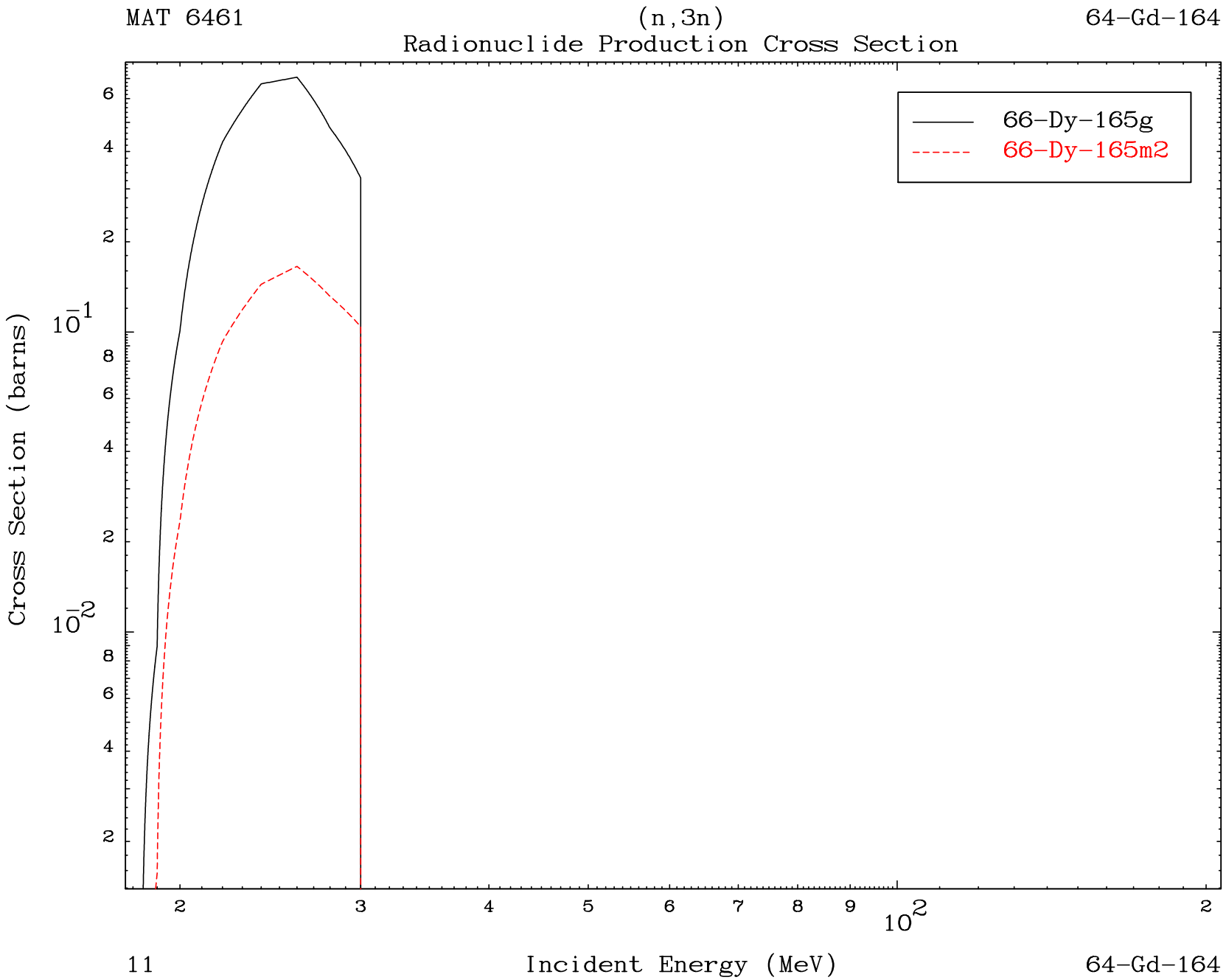

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)

0 Kelvin Cross Sections




0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 6461
(α,α) Levels
64-Gd-164
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
64-Gd-164


MAT 6461
(n,3n)
64-Gd-164
Radionuclide Production Cross Section
66-Dy-165g
66-Dy-165m2
Cross Section (barns)
10-1
10-2
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
11
64-Gd-164