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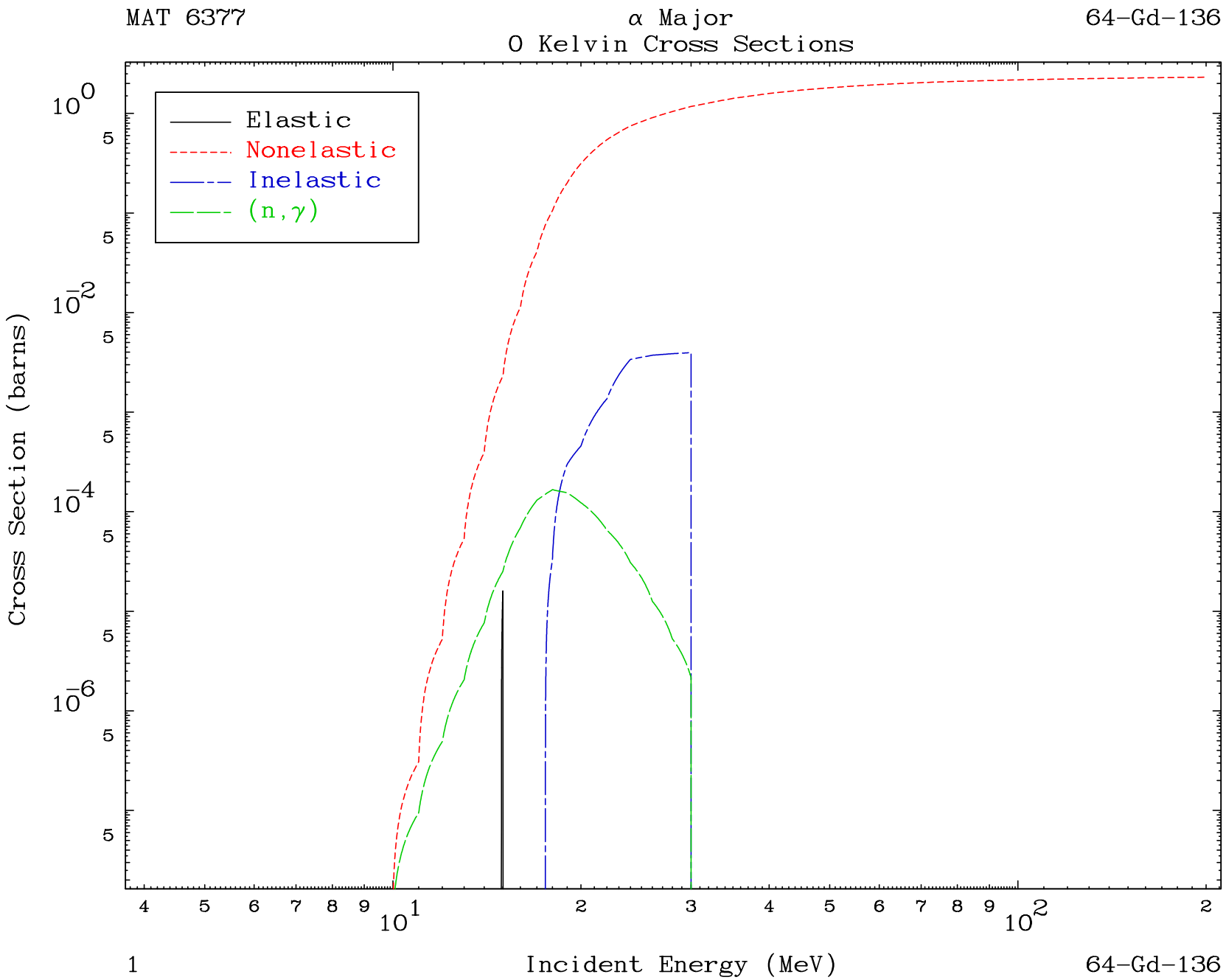
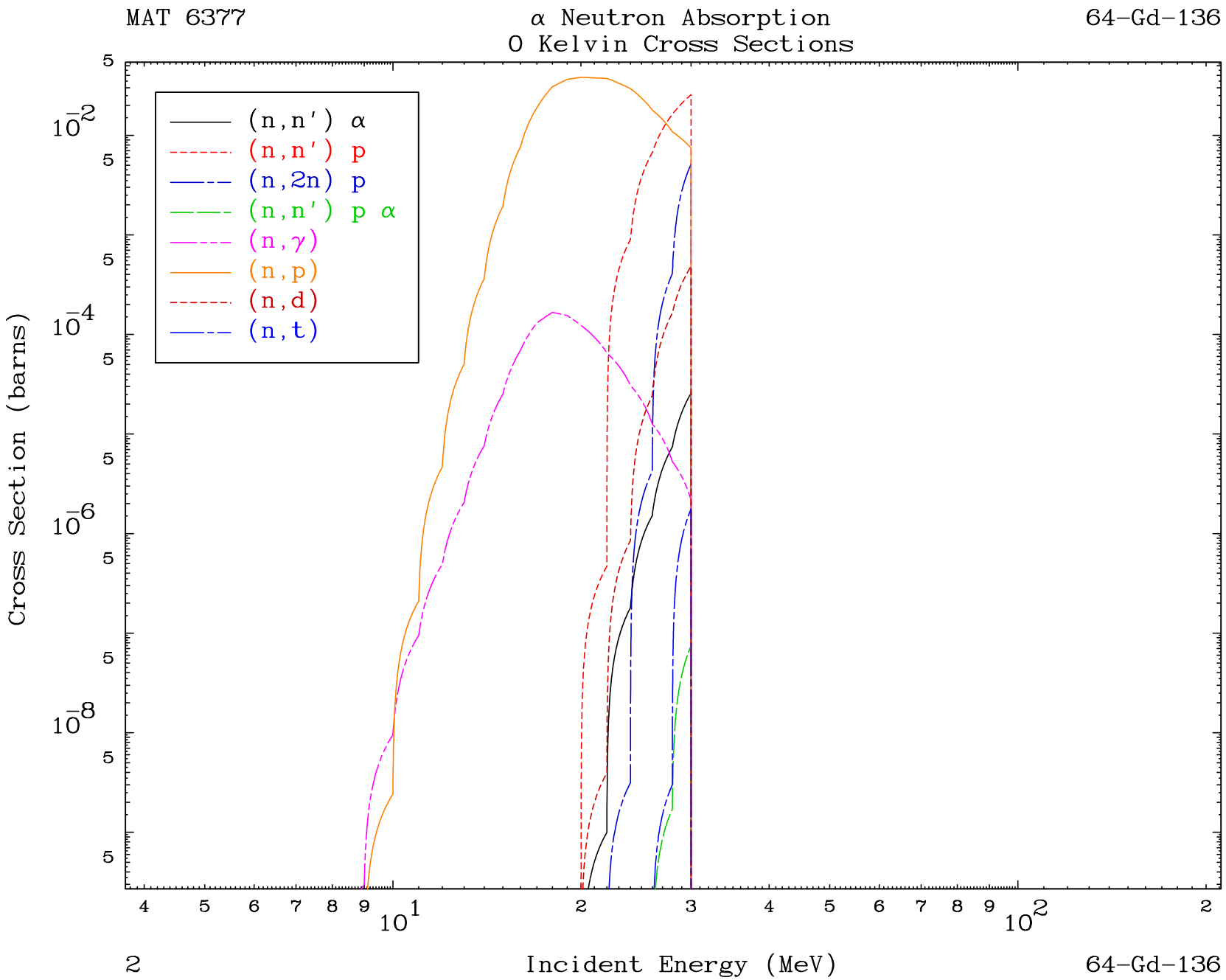
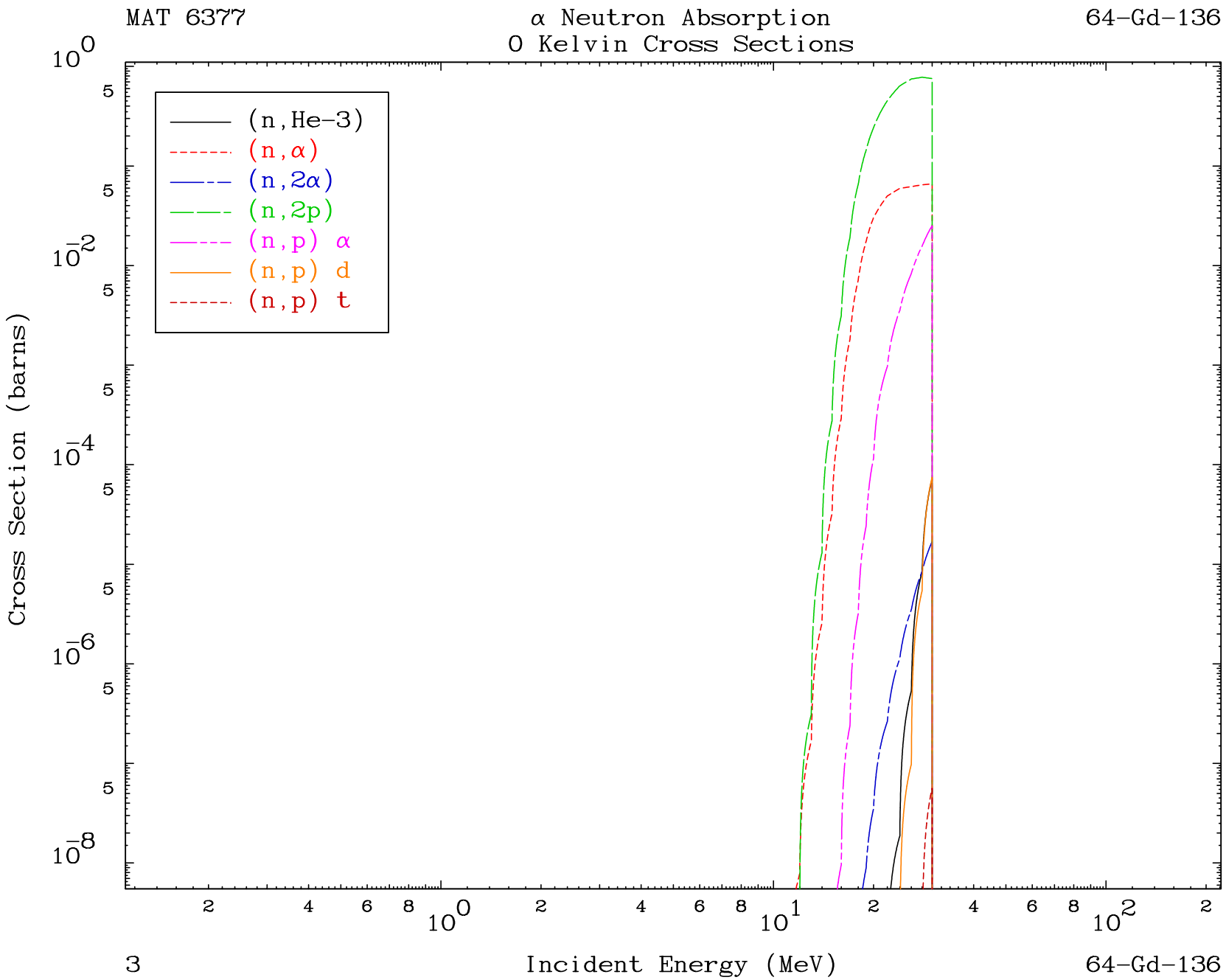
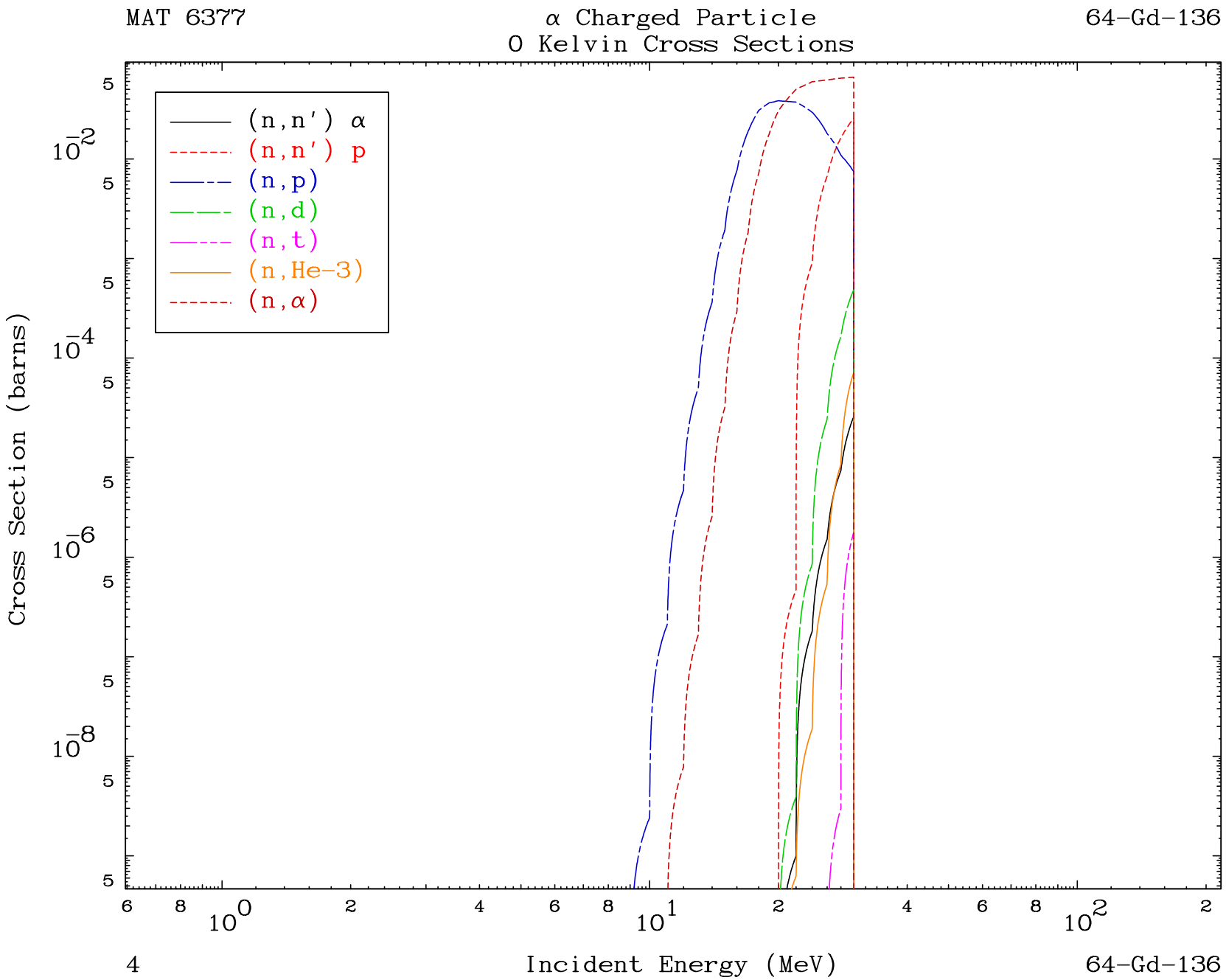
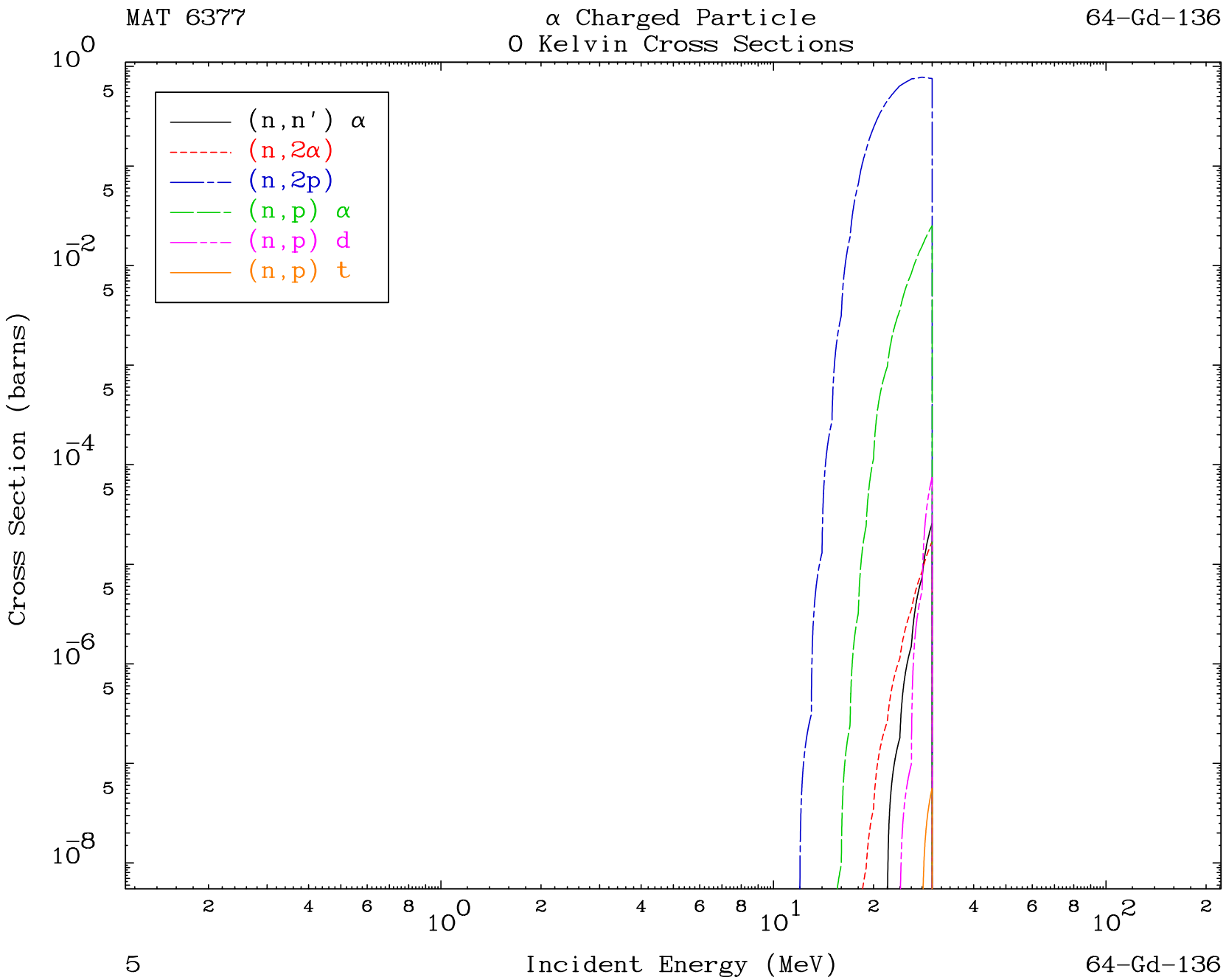
Press Mouse Button to Start

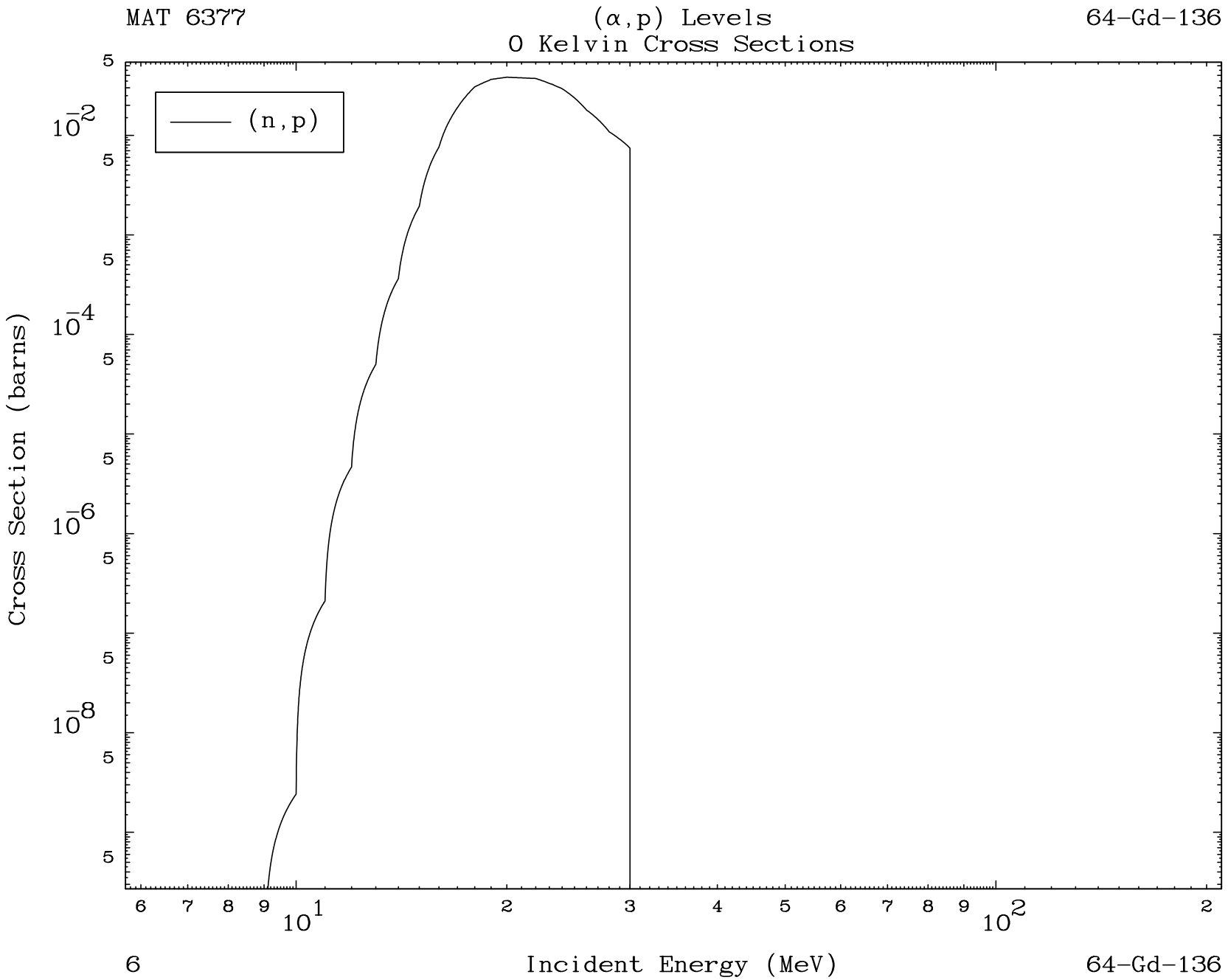

MAT 6377
α Major
64-Gd-136
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136

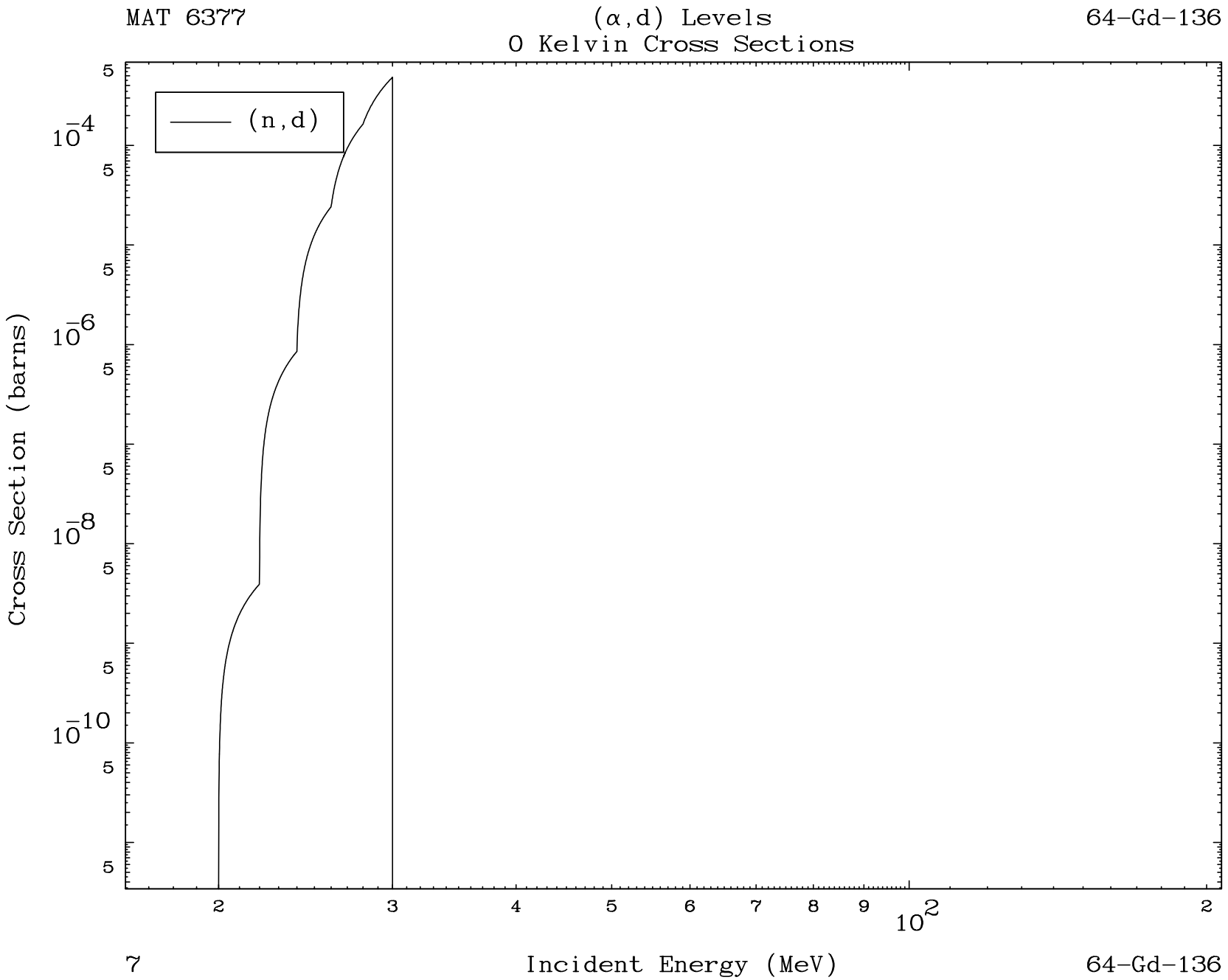

MAT 6377
α Neutron Absorption
0 Kelvin Cross Sections
64-Gd-136
(n,n') α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136
2

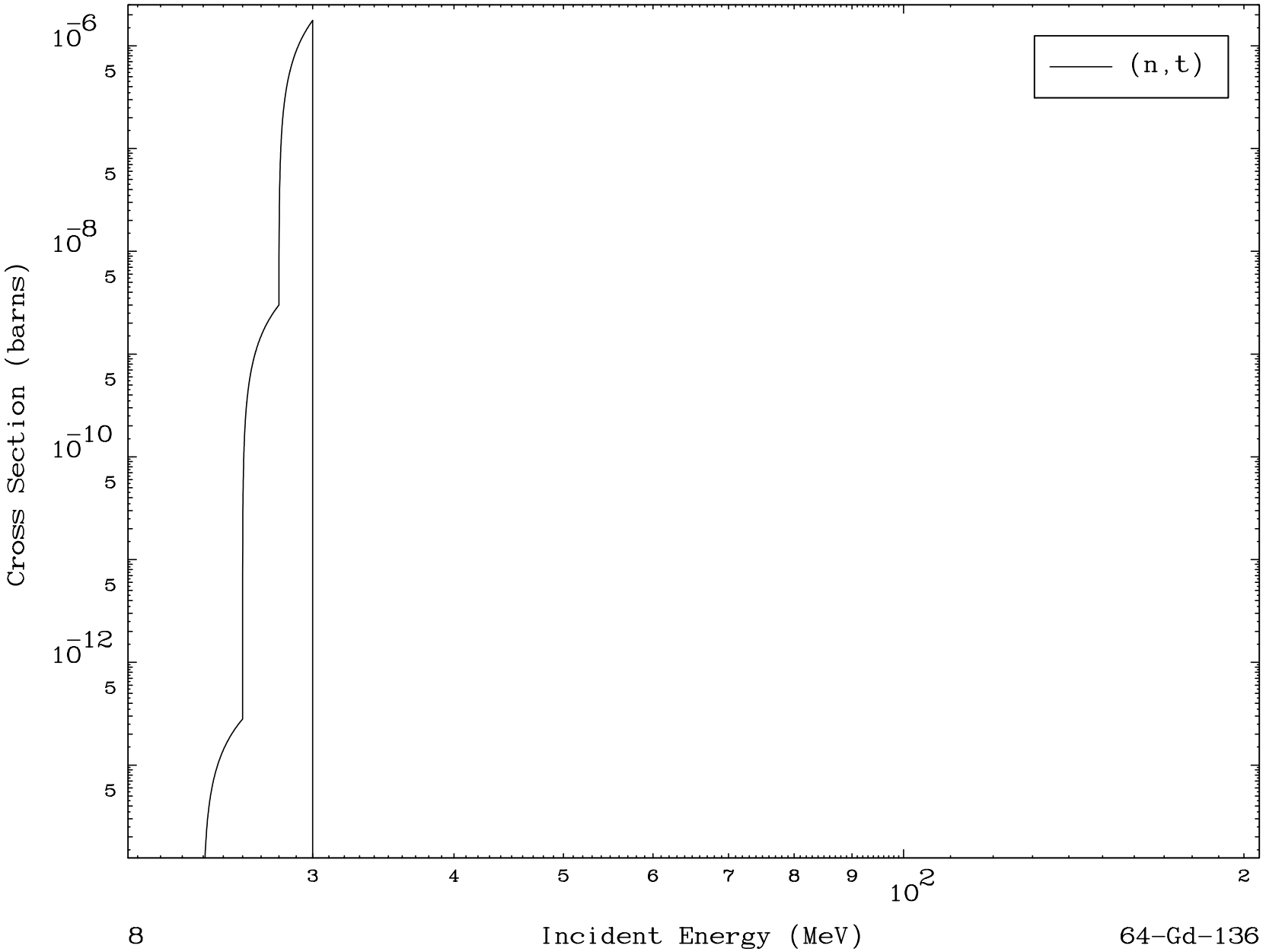

MAT 6377
α Neutron Absorption
0 Kelvin Cross Sections
64-Gd-136
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-136

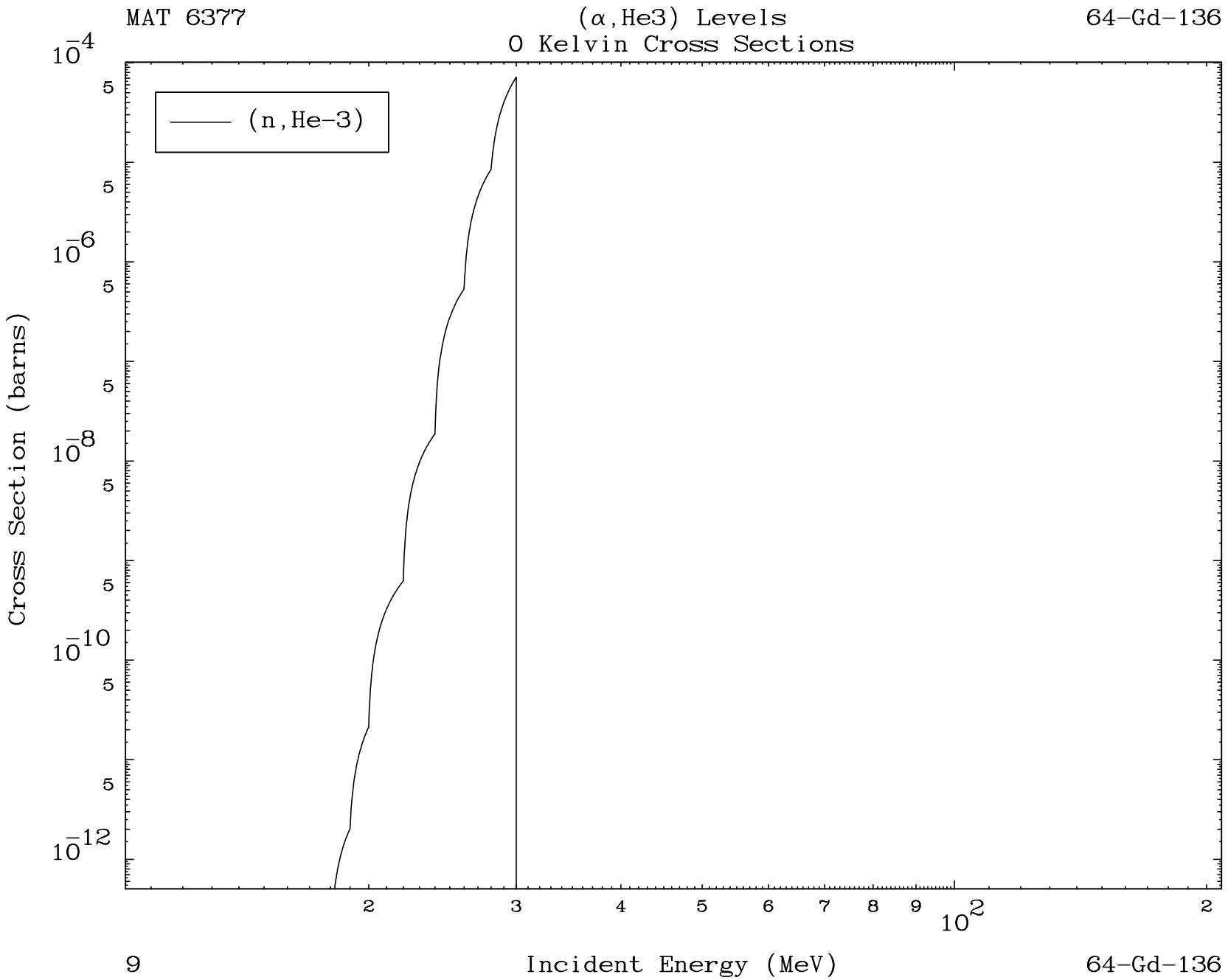

MAT 6377
α Charged Particle
0 Kelvin Cross Sections
64-Gd-136
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136
4

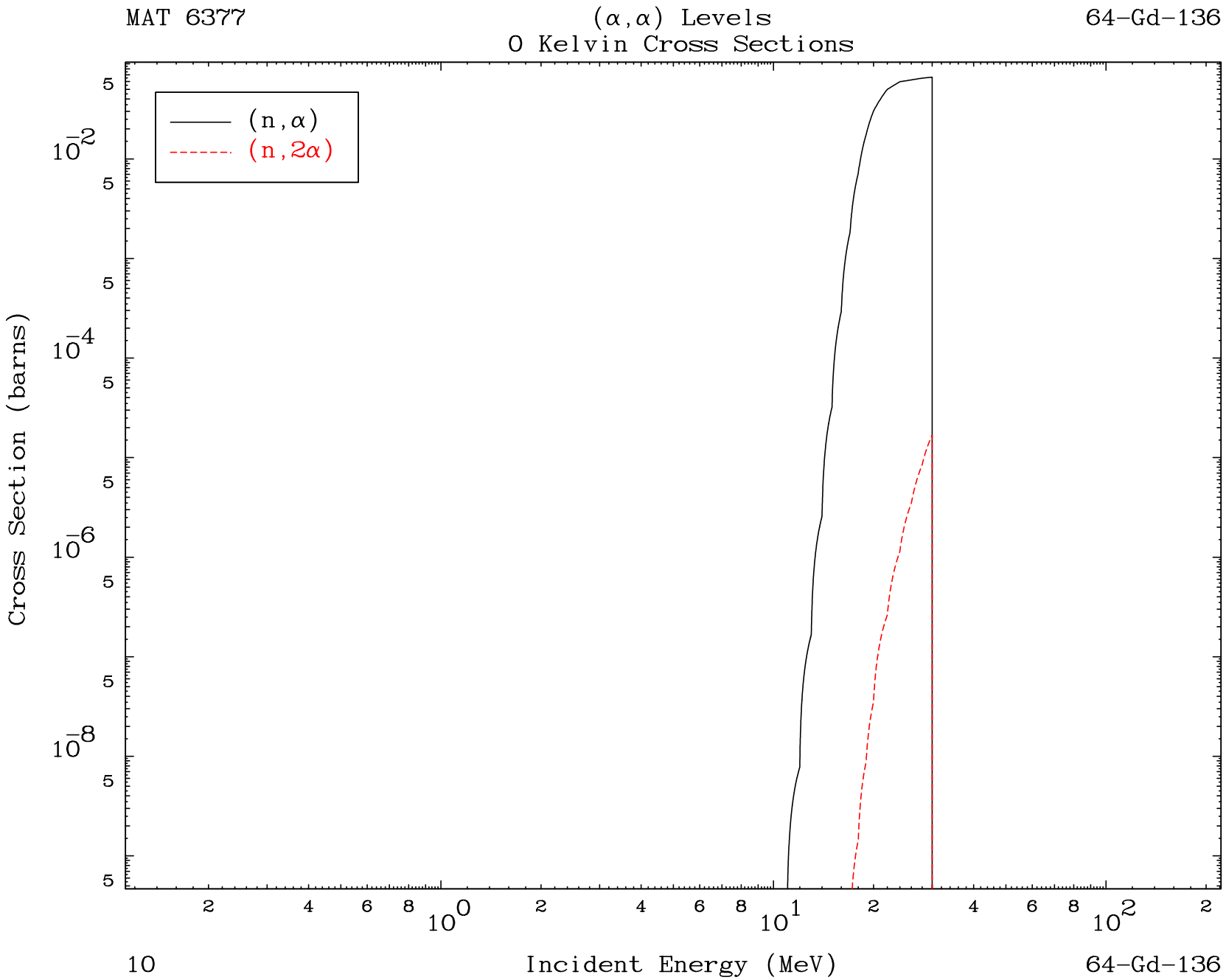

MAT 6377
α Charged Particle
0 Kelvin Cross Sections
64-Gd-136
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136
5


MAT 6377
(α,p) Levels
64-Gd-136
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136
6


MAT 6377
(α,d) Levels
64-Gd-136
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)
64-Gd-136


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


MAT 6377
(α,He3) Levels
64-Gd-136
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
64-Gd-136


MAT 6377
(α,α) Levels
64-Gd-136
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-136