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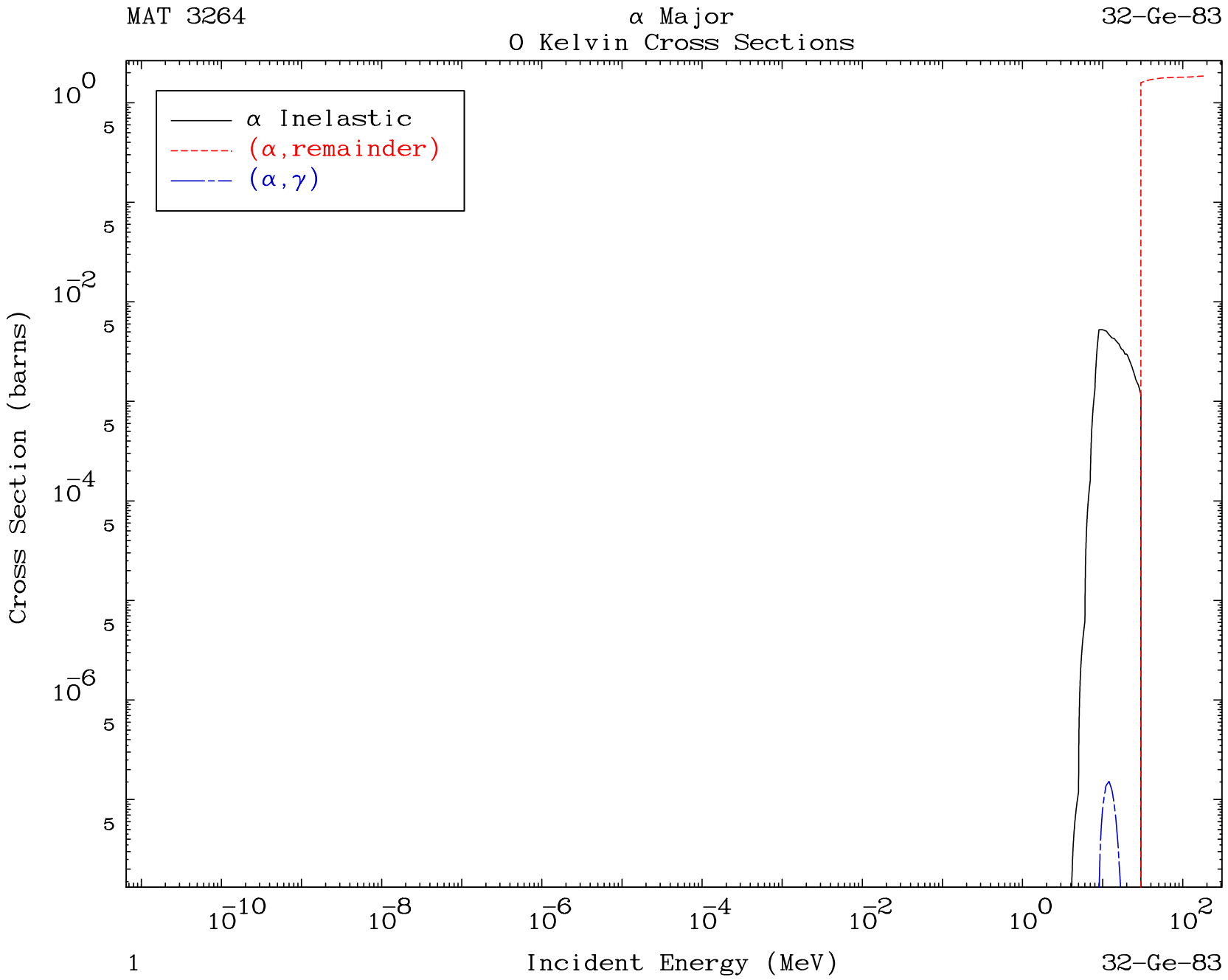
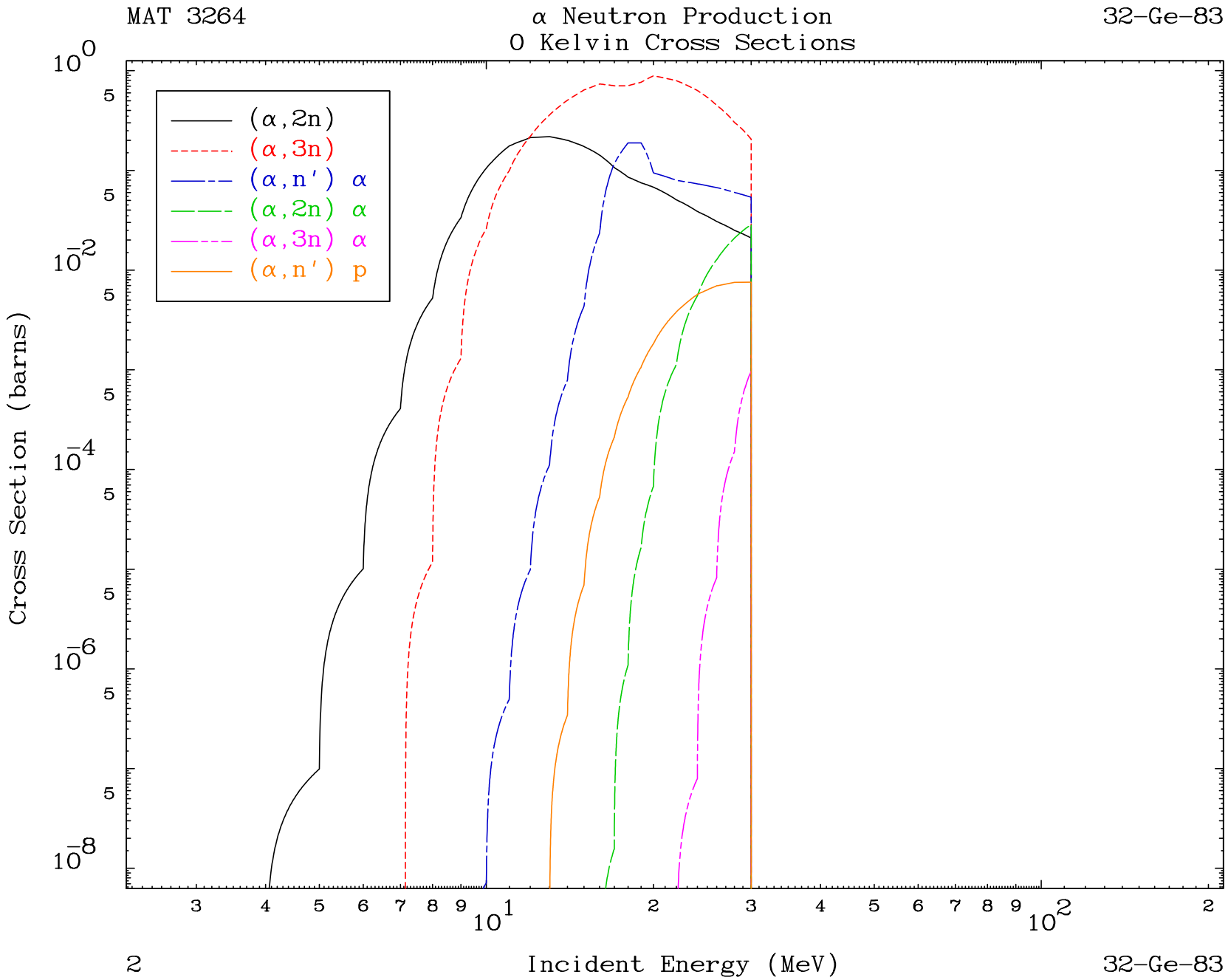
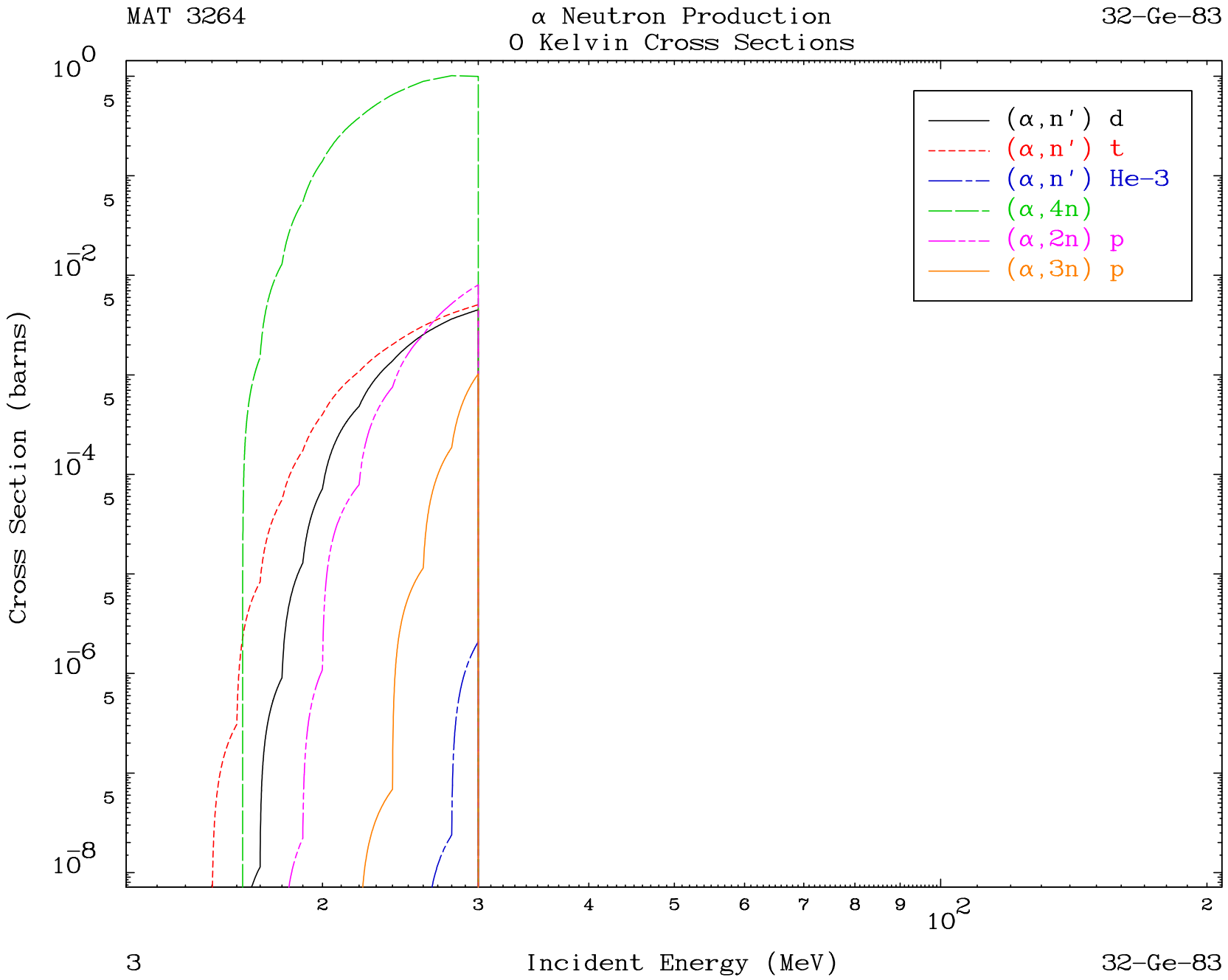
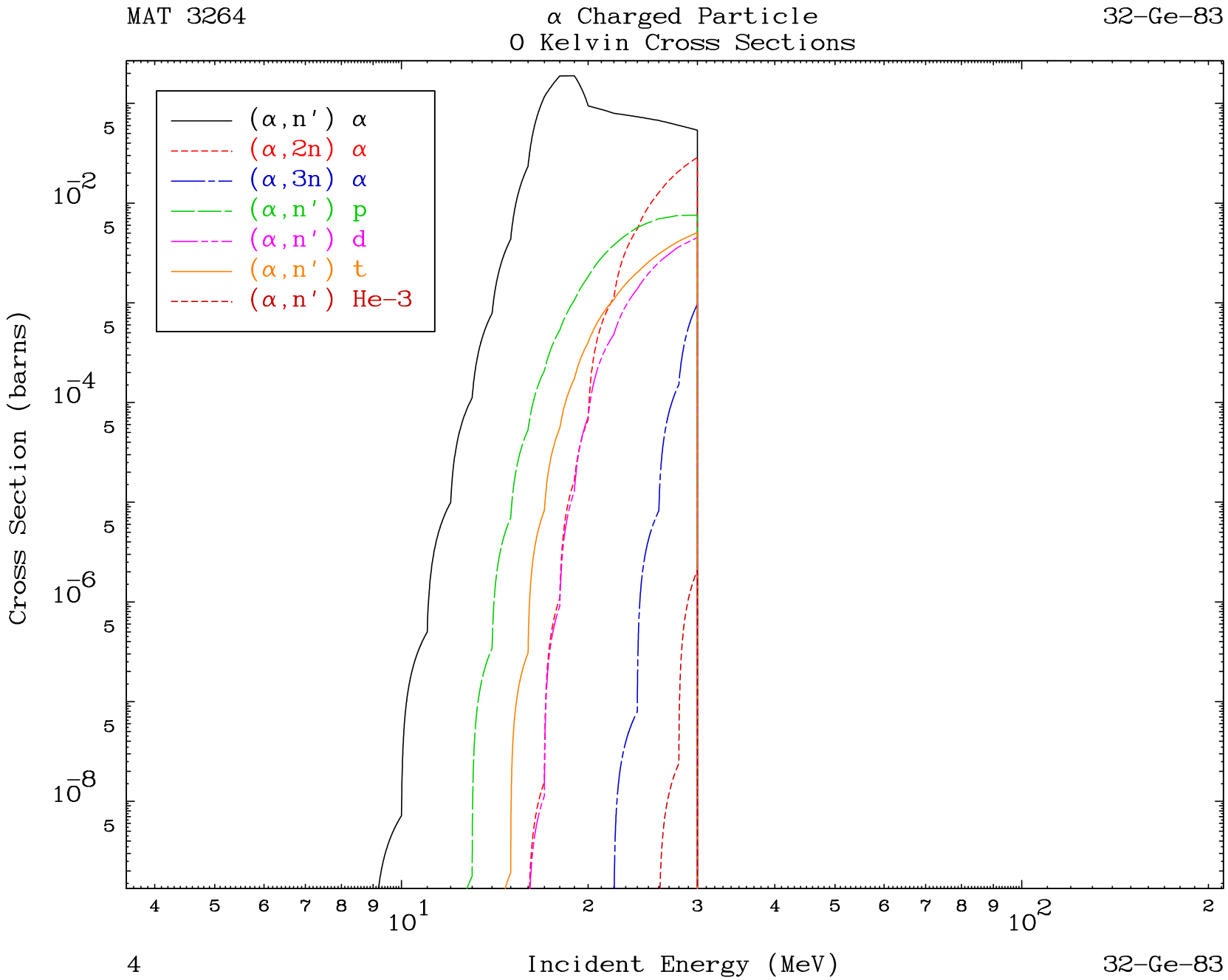
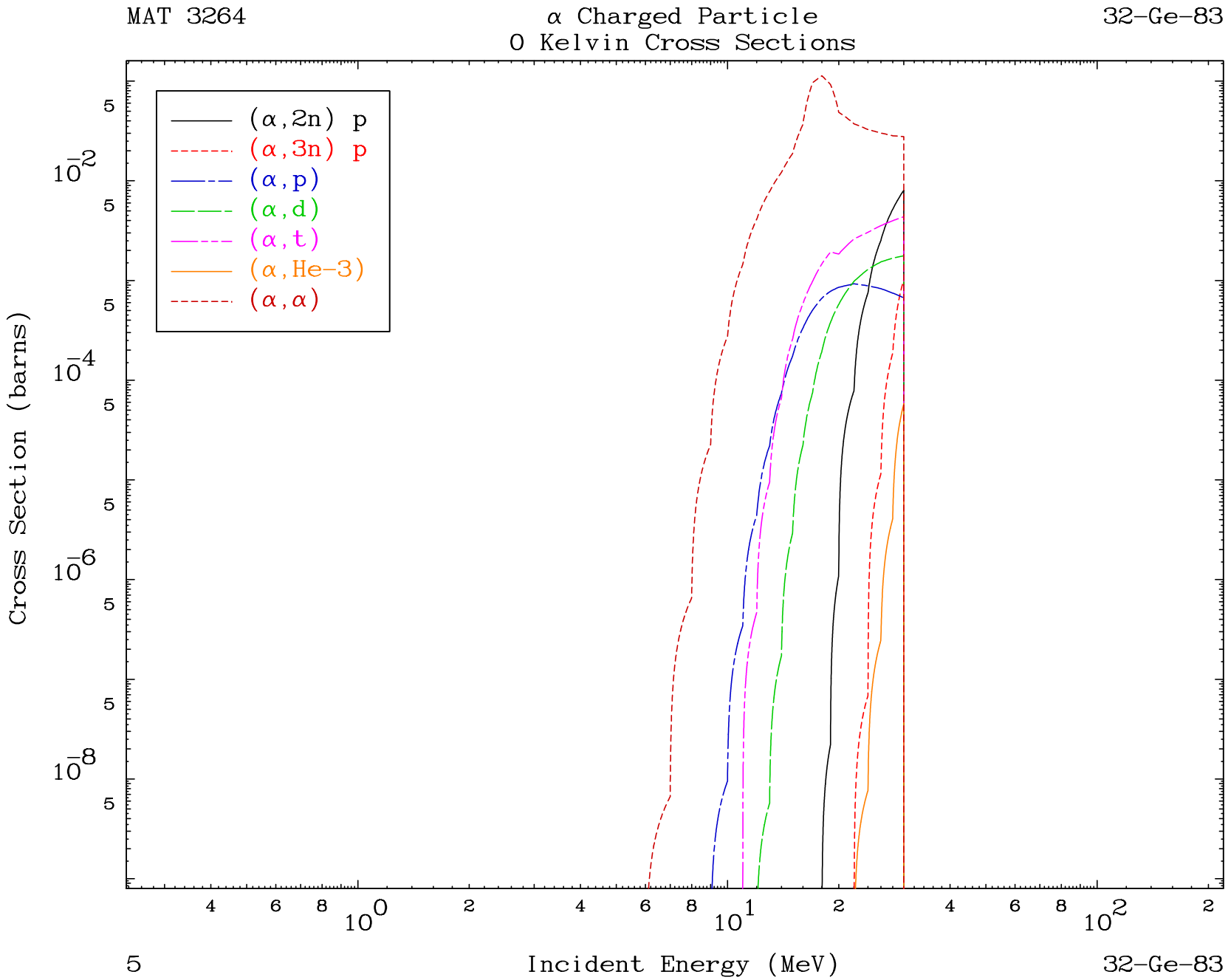
Press Mouse Button to Start

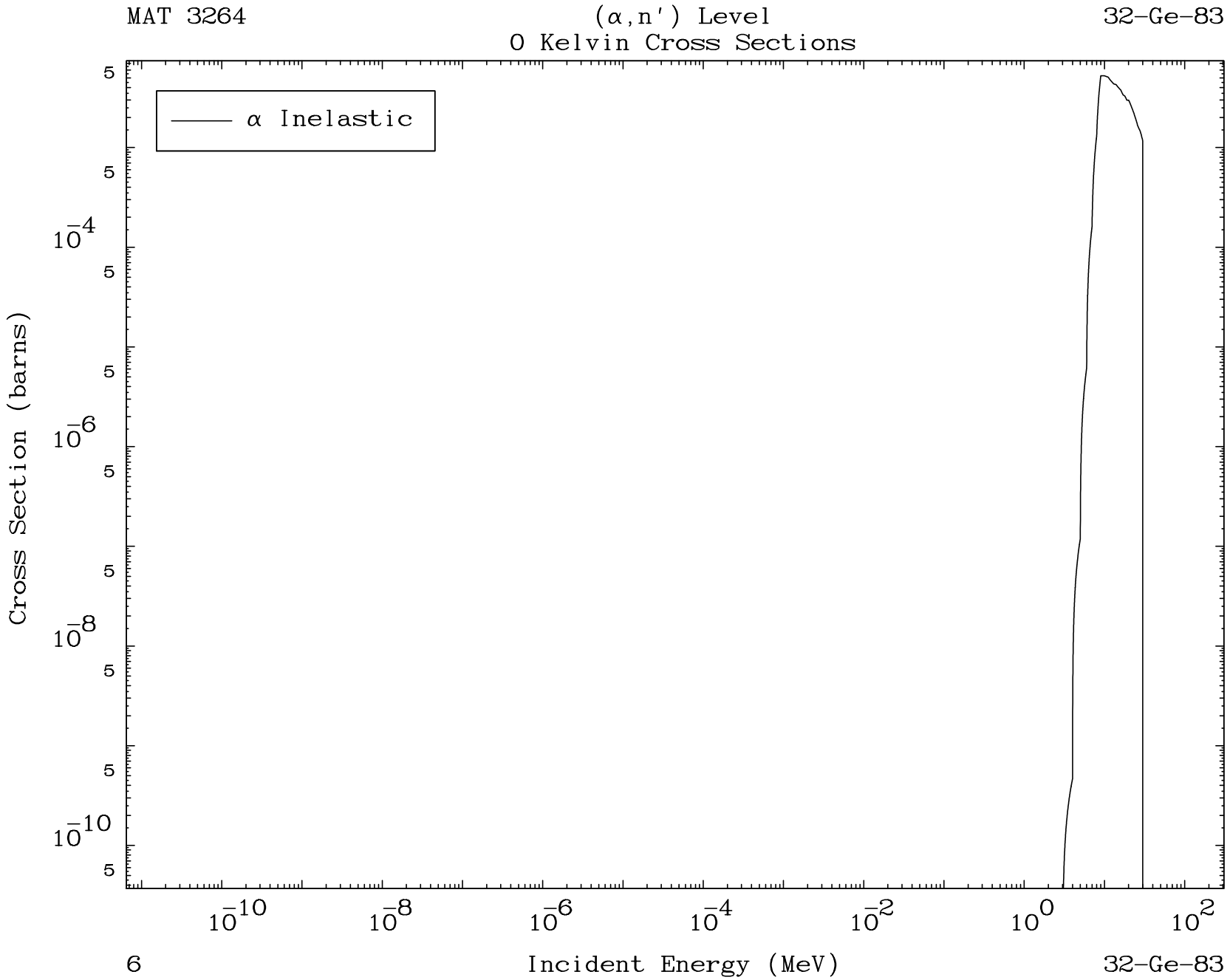

MAT 3264
α Major
32-Ge-83
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
32-Ge-83

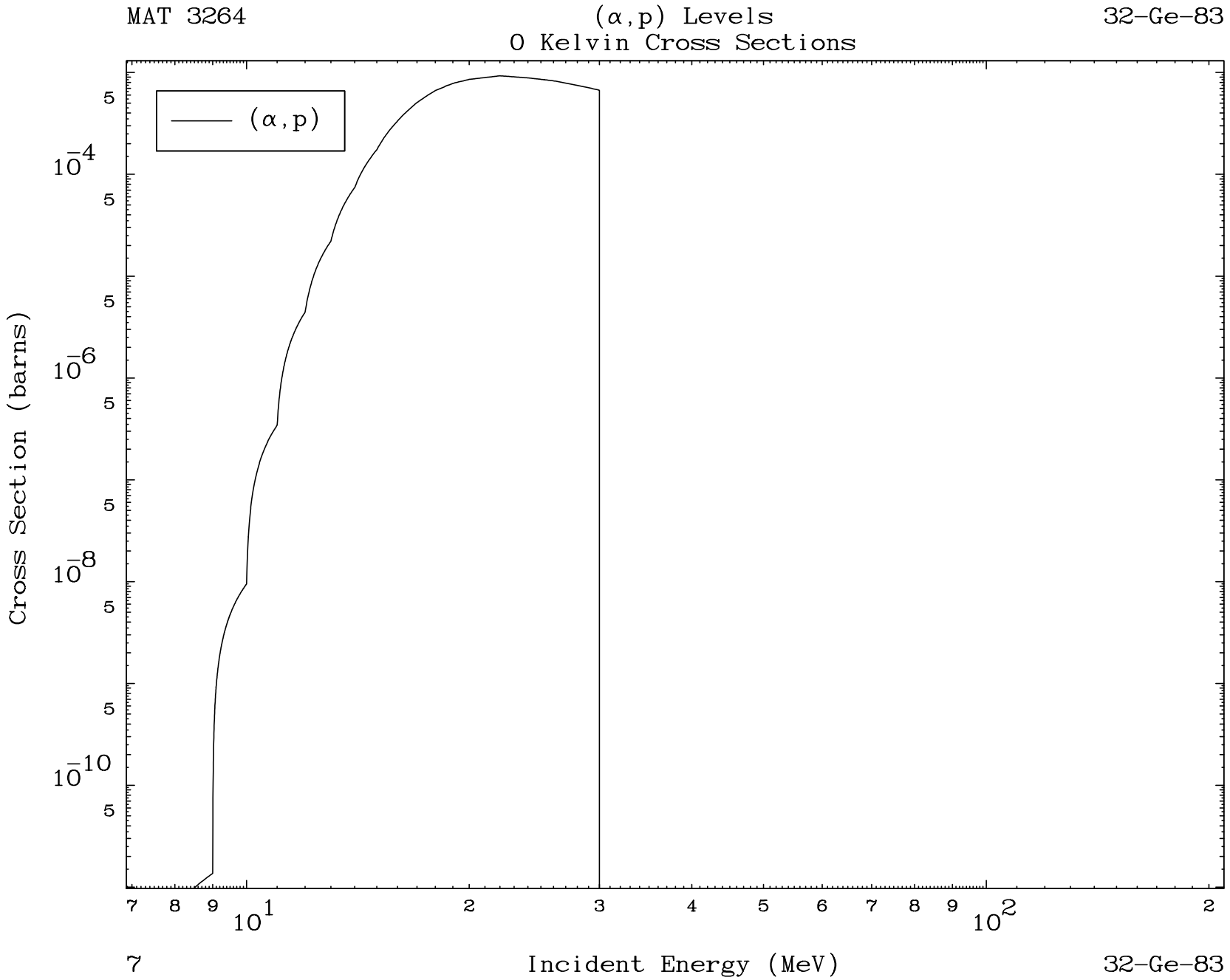

MAT 3264
α Neutron Production
0 Kelvin Cross Sections
32-Ge-83
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
32-Ge-83

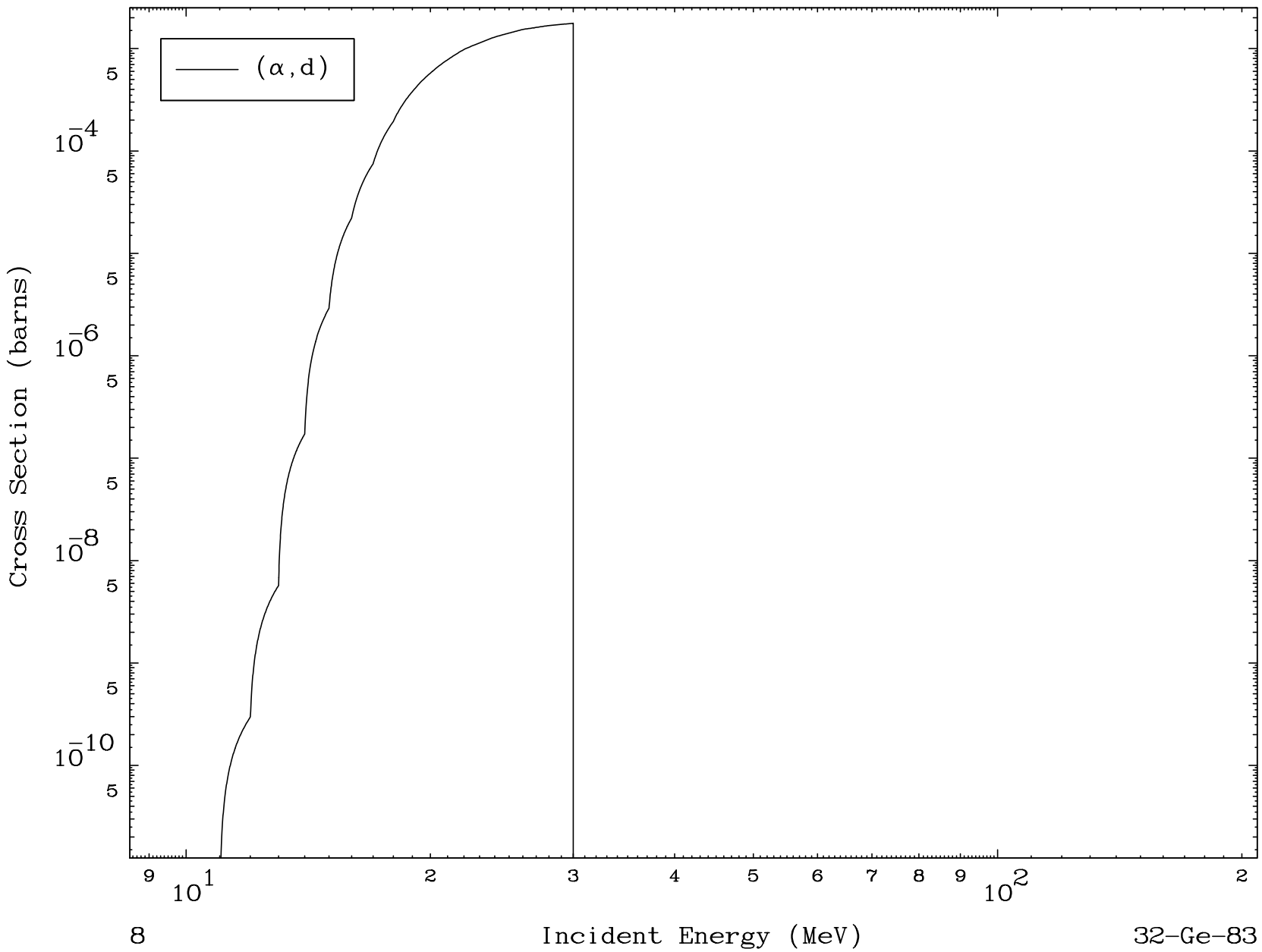

MAT 3264
α Neutron Production
0 Kelvin Cross Sections
32-Ge-83
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
2
3
4
5
6
7
8
9
10^2
2
3
Incident Energy (MeV)
32-Ge-83

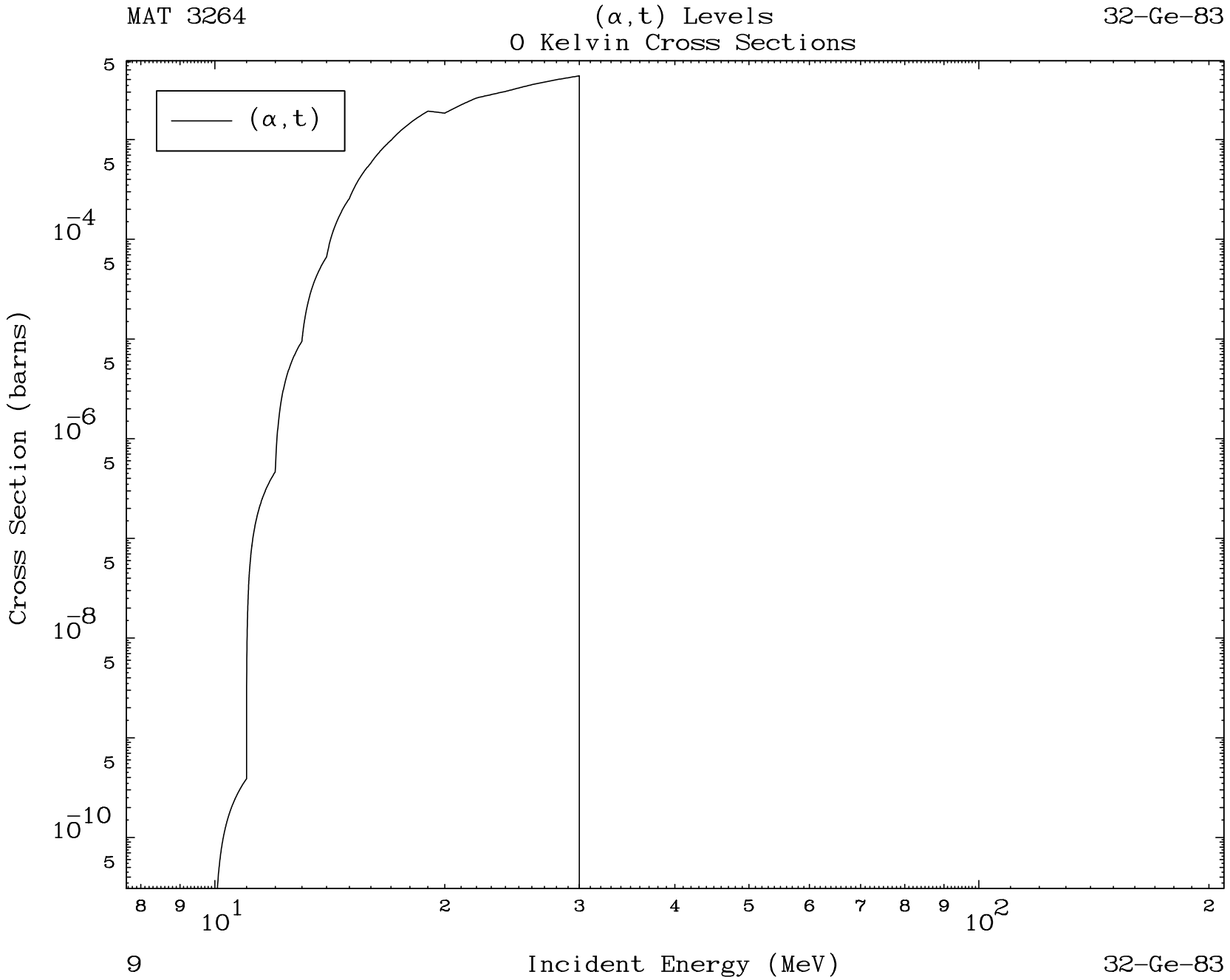

MAT 3264
α Charged Particle
0 Kelvin Cross Sections
32-Ge-83
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
4
32-Ge-83

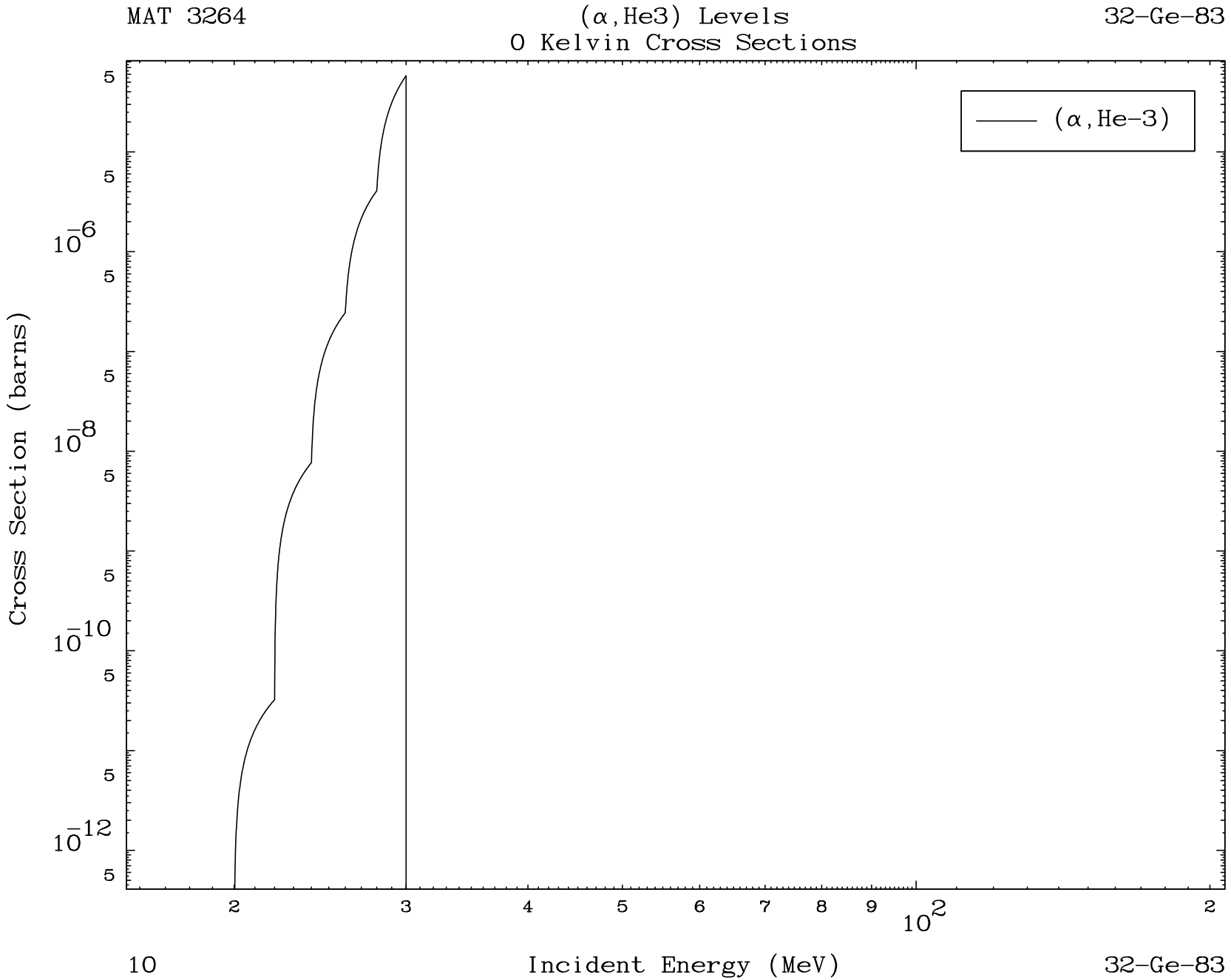

MAT 3264
α Charged Particle
0 Kelvin Cross Sections
32-Ge-83
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
5
32-Ge-83

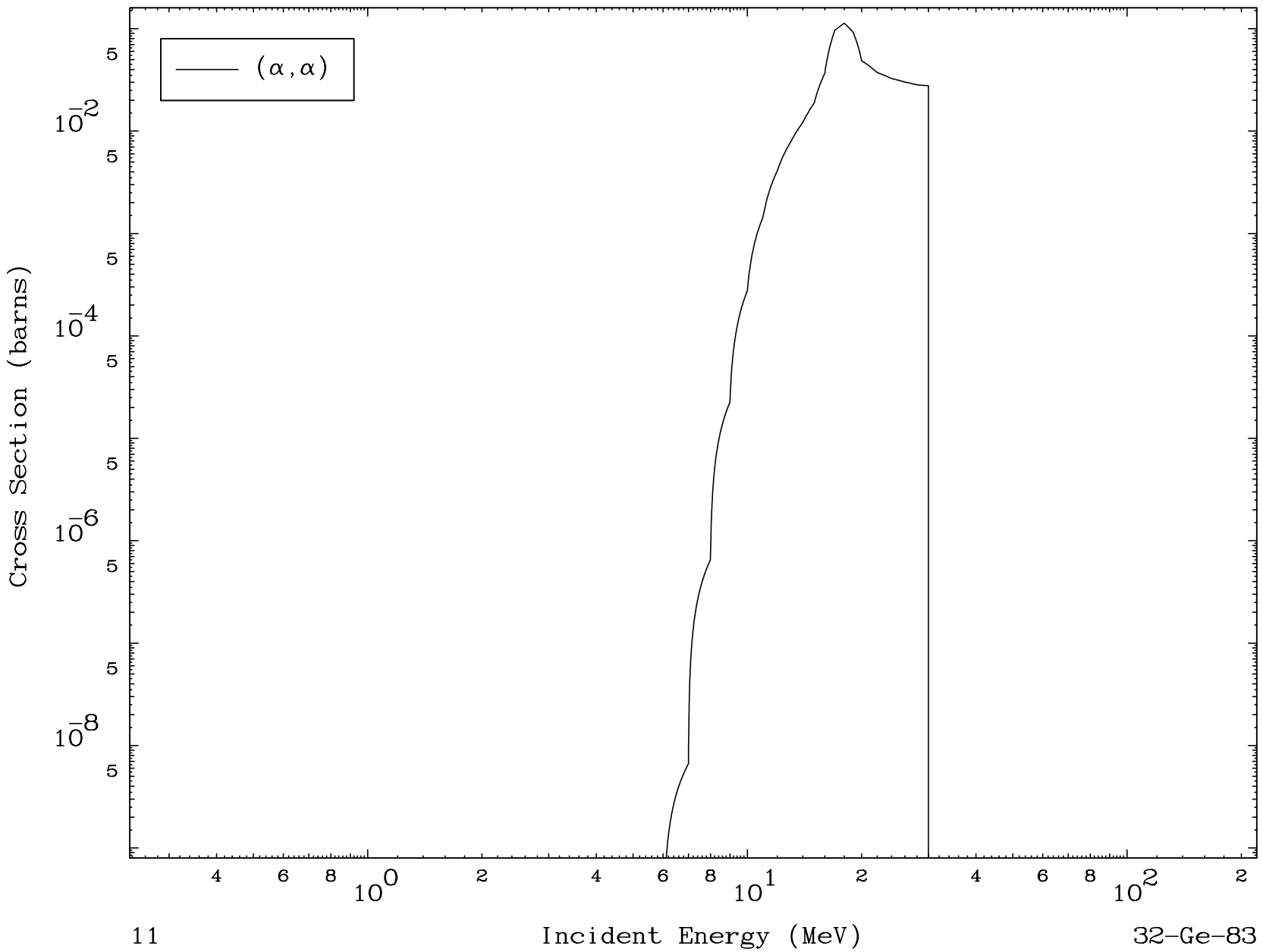

MAT 3264
(α,n') Level
32-Ge-83
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
32-Ge-83

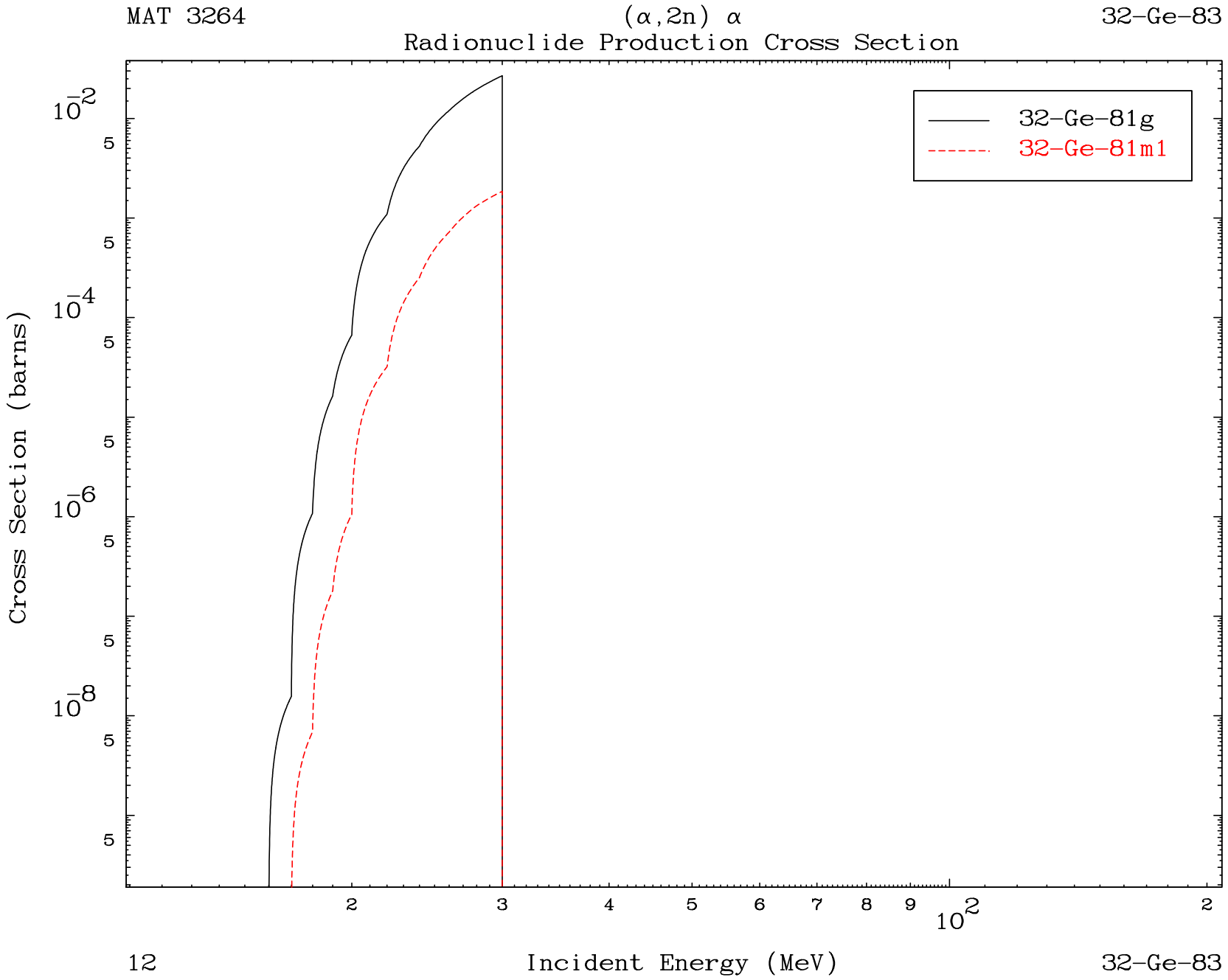

MAT 3264
(α,p) Levels
32-Ge-83
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
32-Ge-83

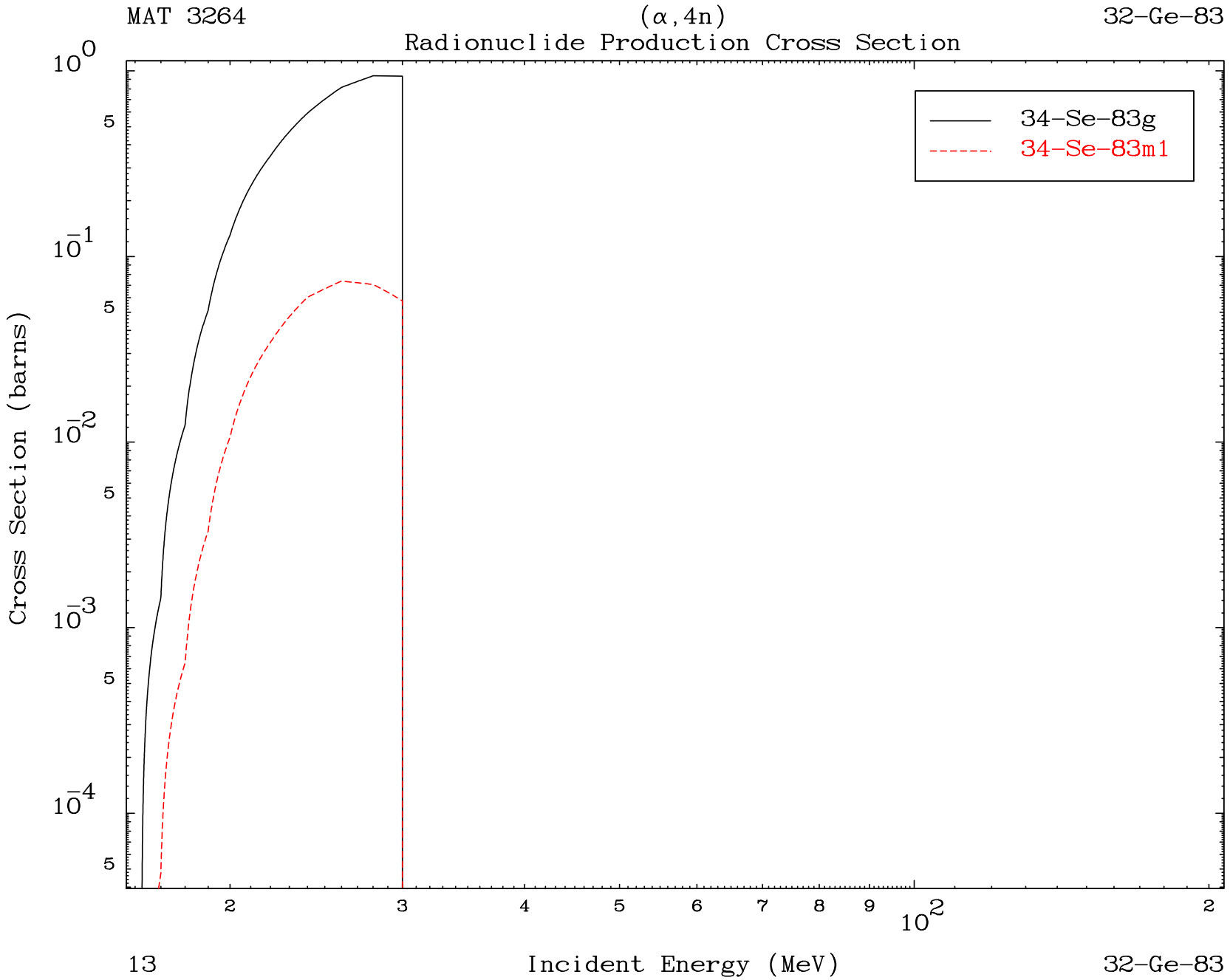

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
9 10¹ 2 3 4 5 6 7 8 9 10² 2
Incident Energy (MeV)


MAT 3264
(α,t) Levels
32-Ge-83
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
32-Ge-83
9


MAT 3264
(α,He3) Levels
32-Ge-83
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
10
Incident Energy (MeV)
32-Ge-83


0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)


MAT 3264
(α,2n) α
32-Ge-83
Radionuclide Production Cross Section
32-Ge-81g
32-Ge-81m1
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
12
32-Ge-83


MAT 3264
(α,4n)
32-Ge-83
Radionuclide Production Cross Section
34-Se-83g
34-Se-83m1
Cross Section (barns)
Incident Energy (MeV)
13
32-Ge-83