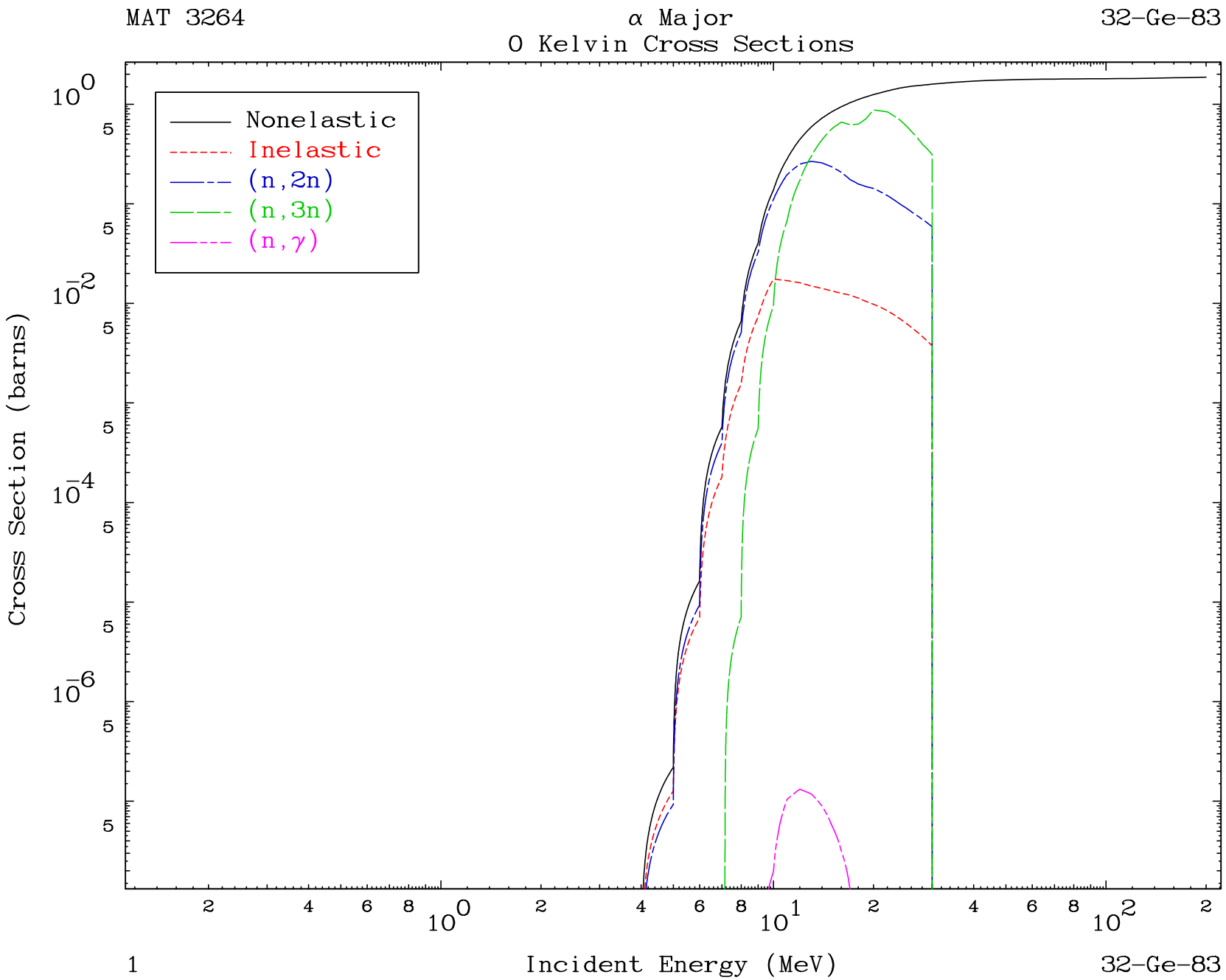
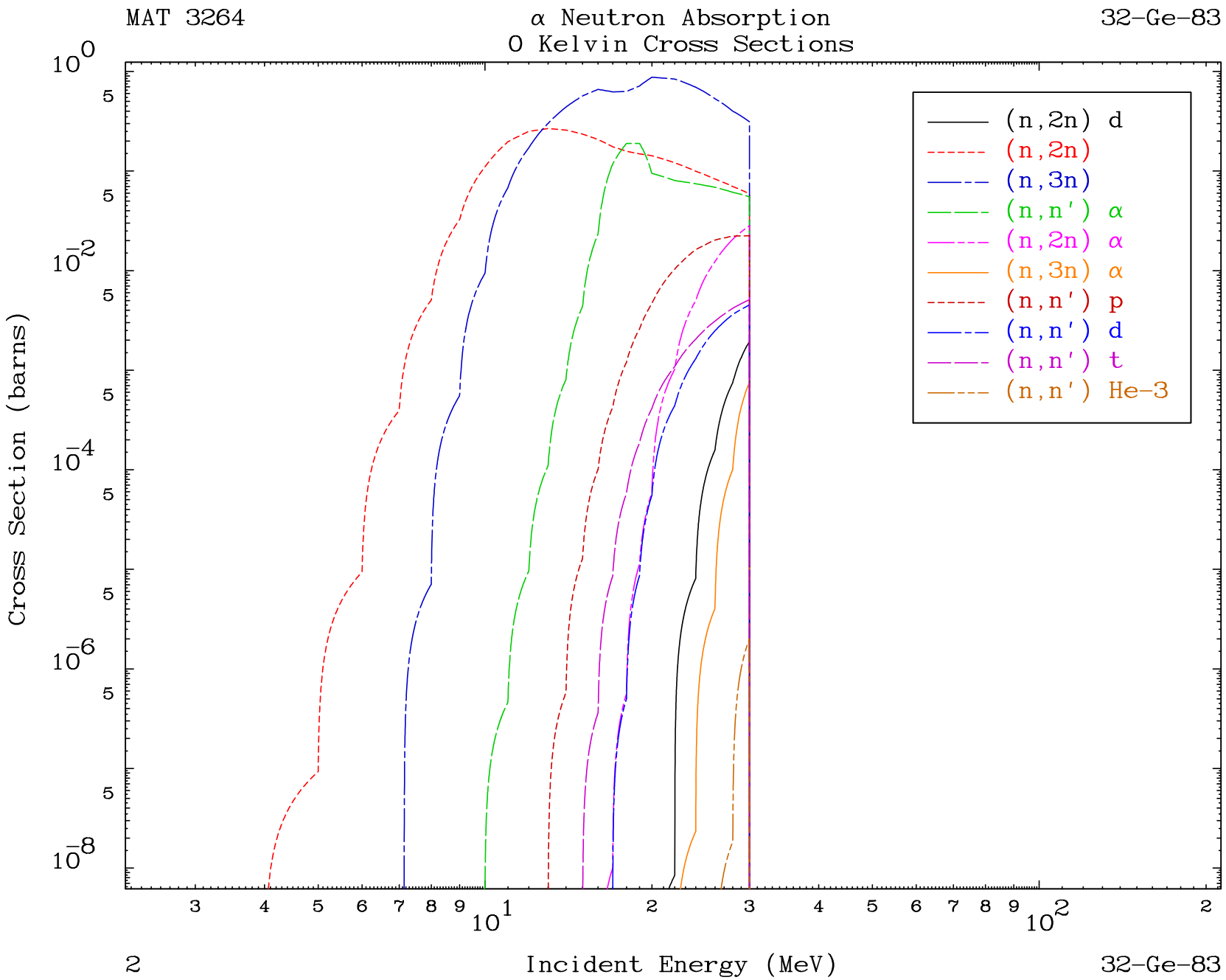
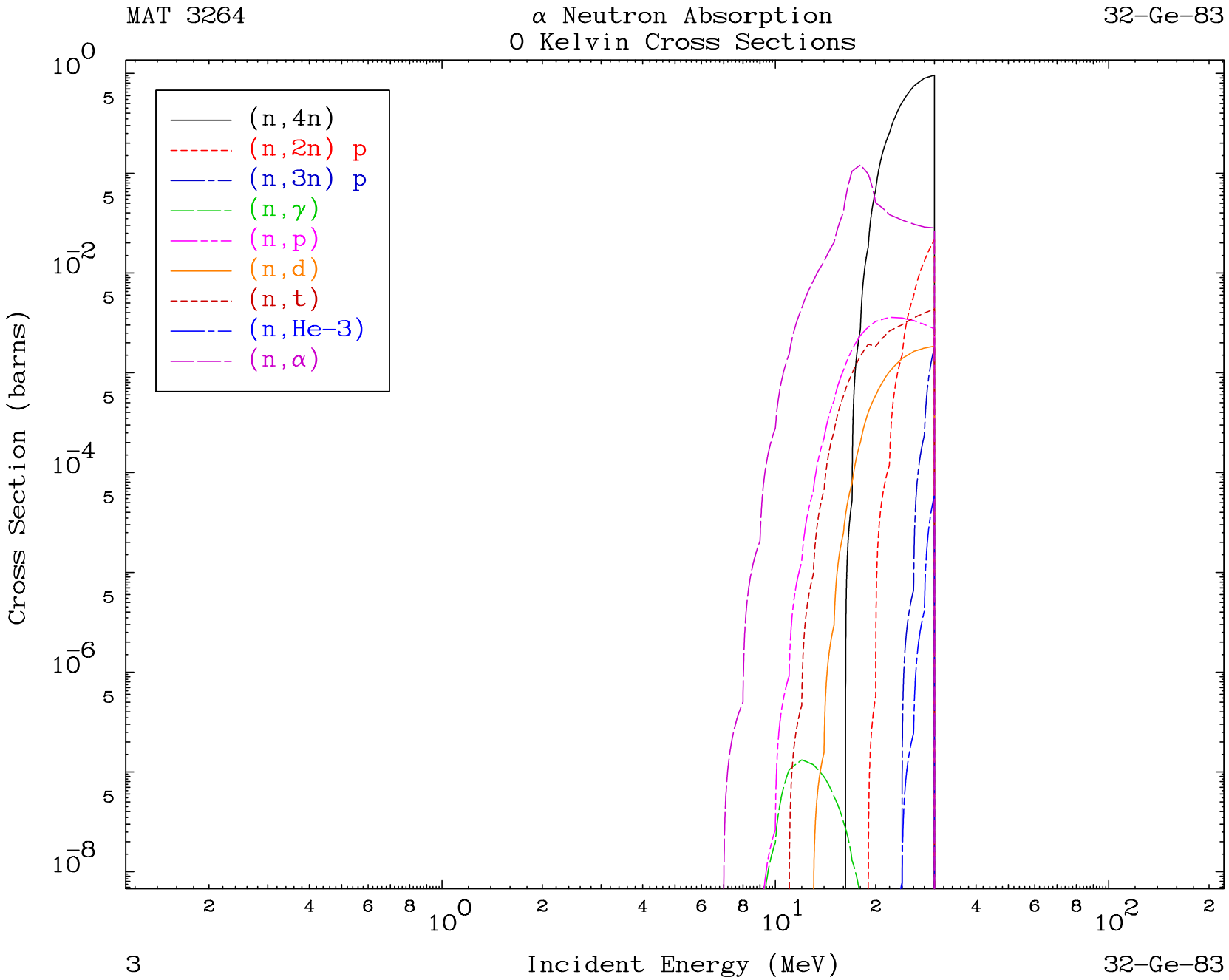
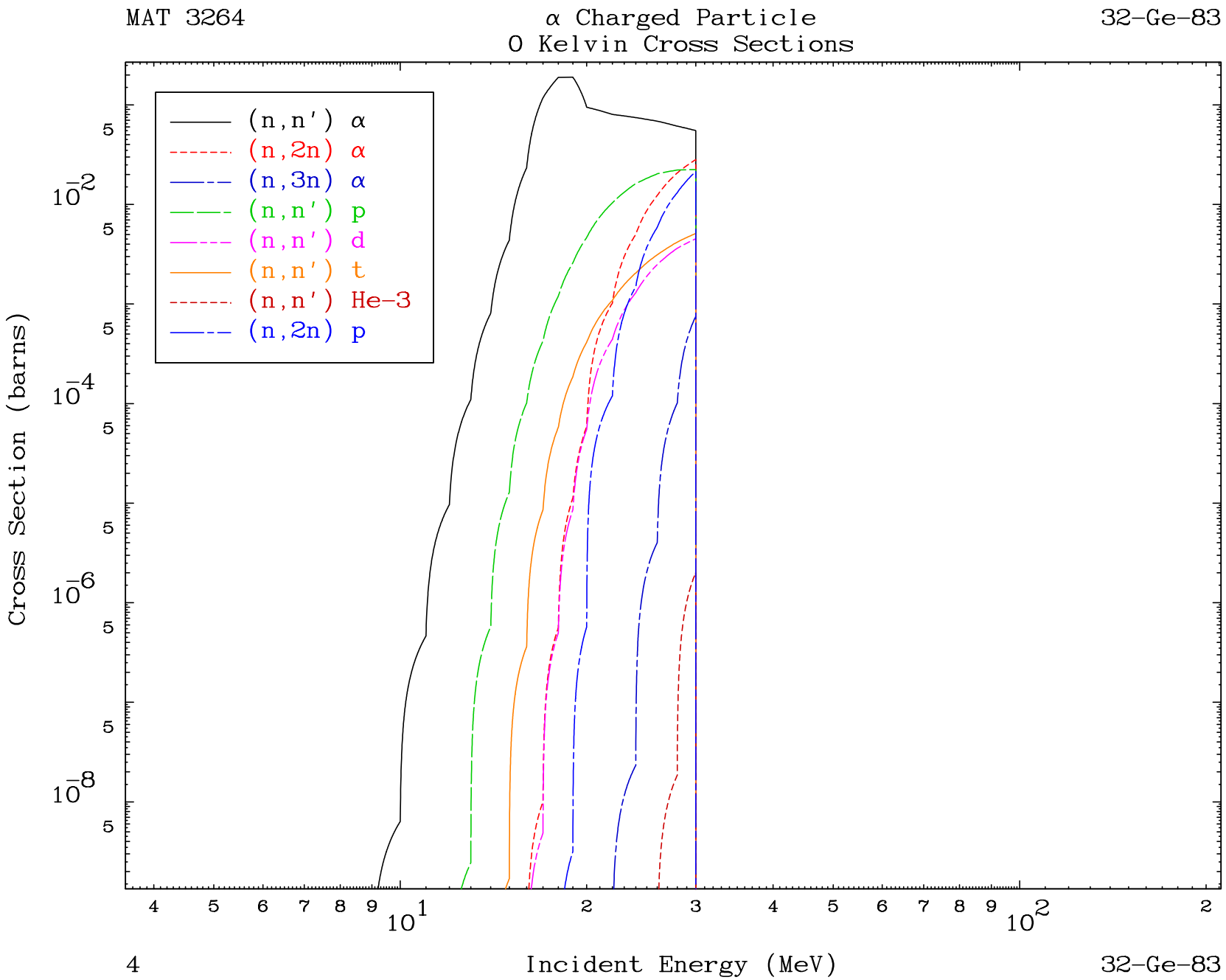
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

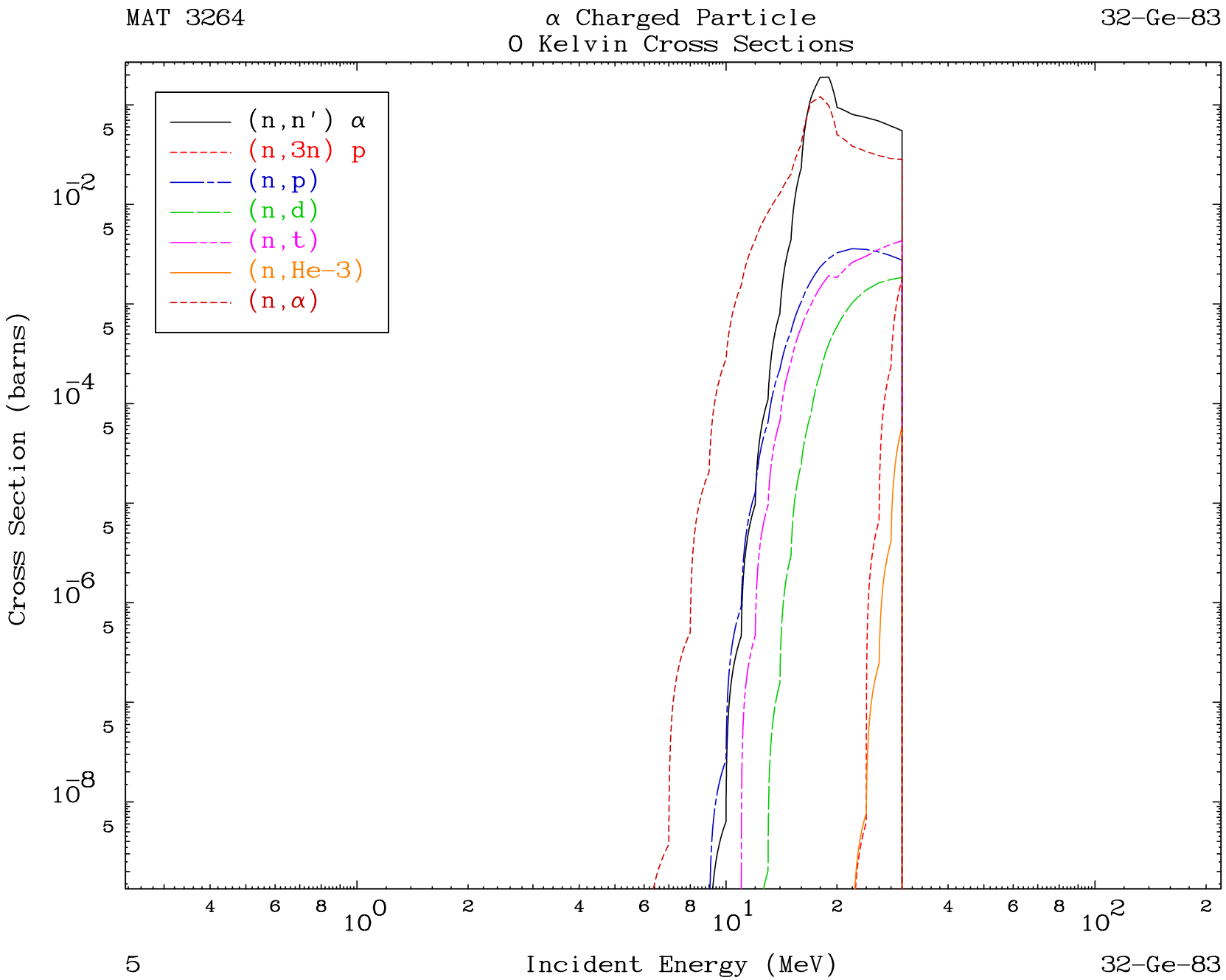
Press Mouse Button to Start

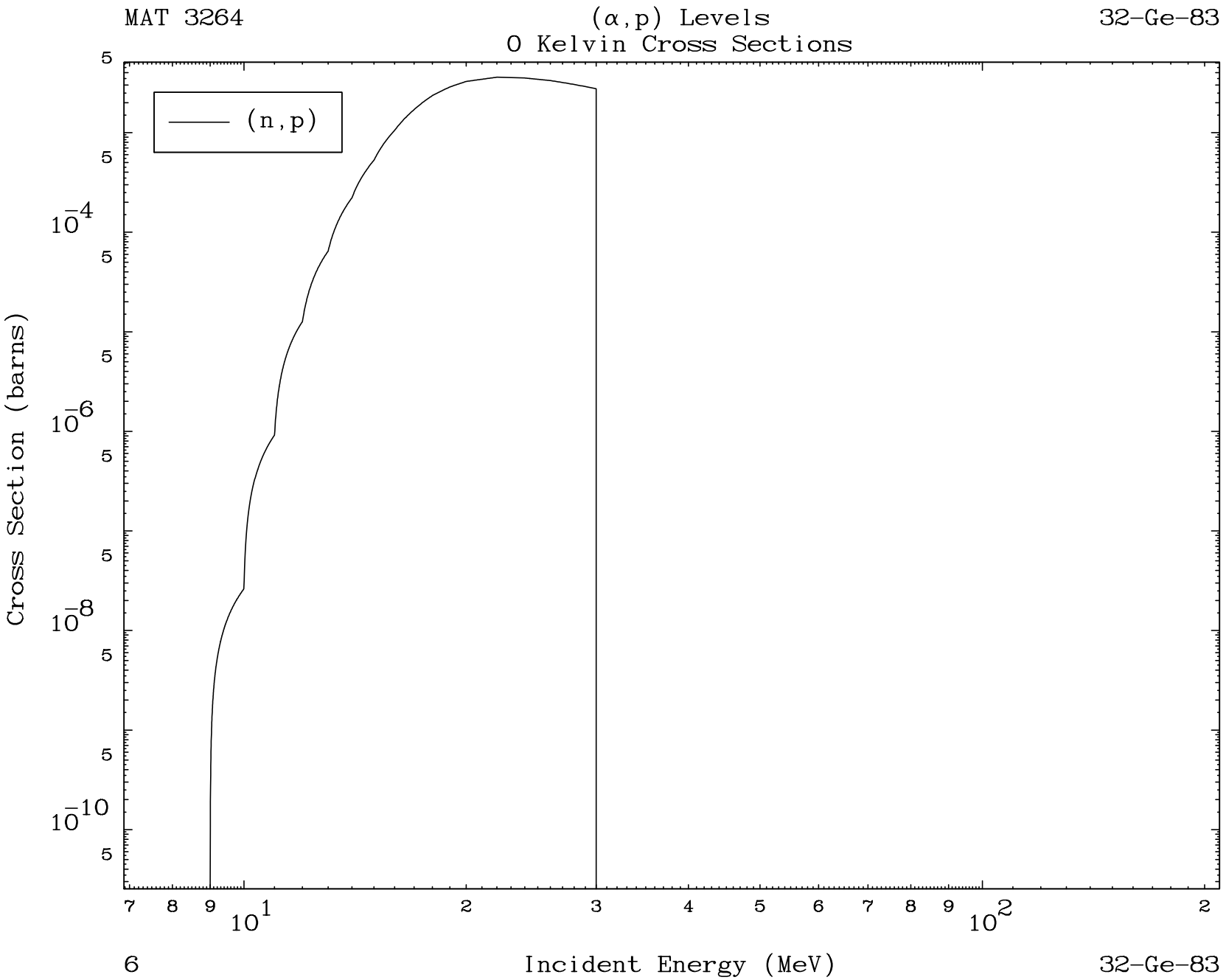

MAT 3264
α Major
32-Ge-83
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
32-Ge-83

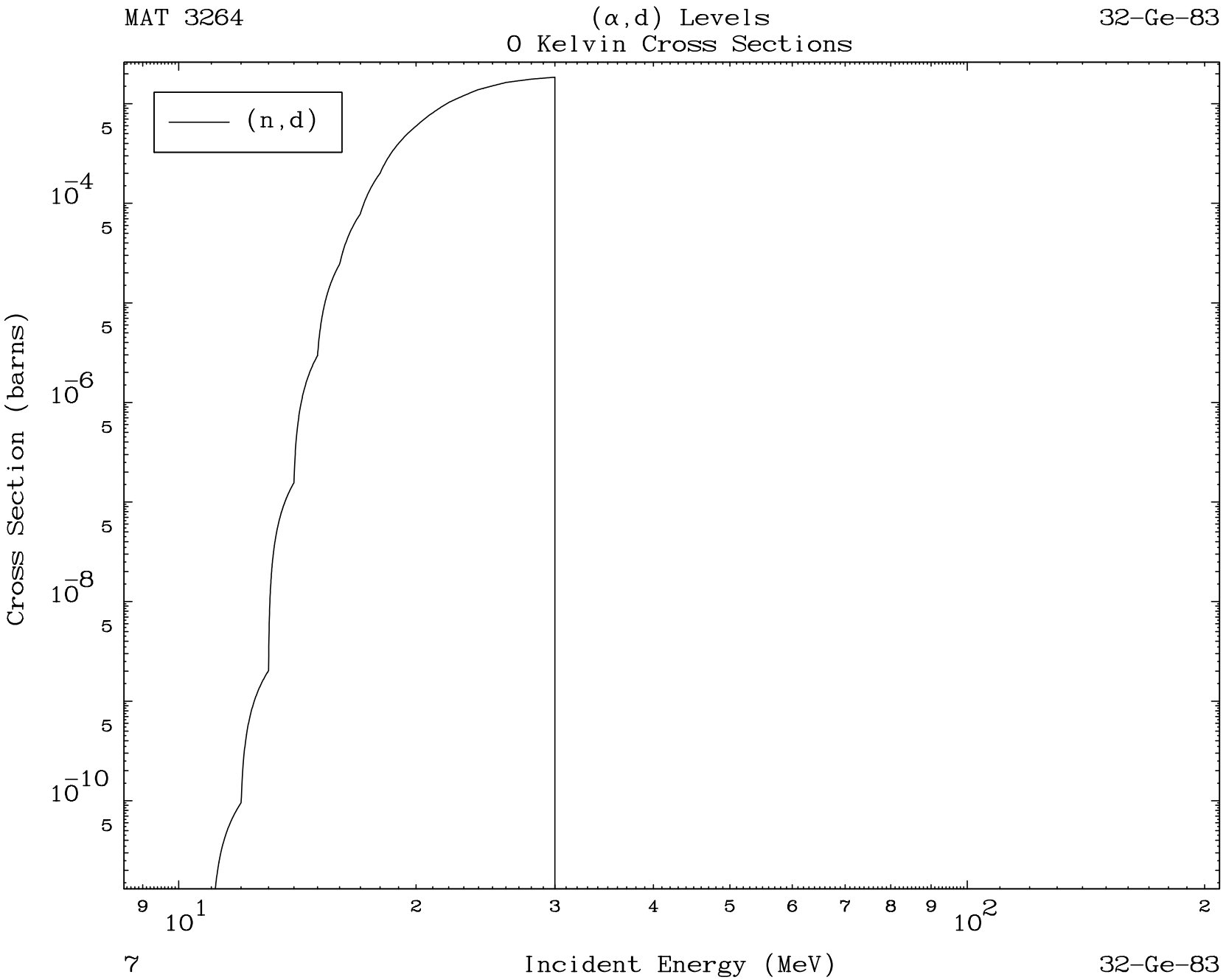

MAT 3264
α Neutron Absorption
0 Kelvin Cross Sections
32-Ge-83
Cross Section (barns)
Incident Energy (MeV)
32-Ge-83
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3

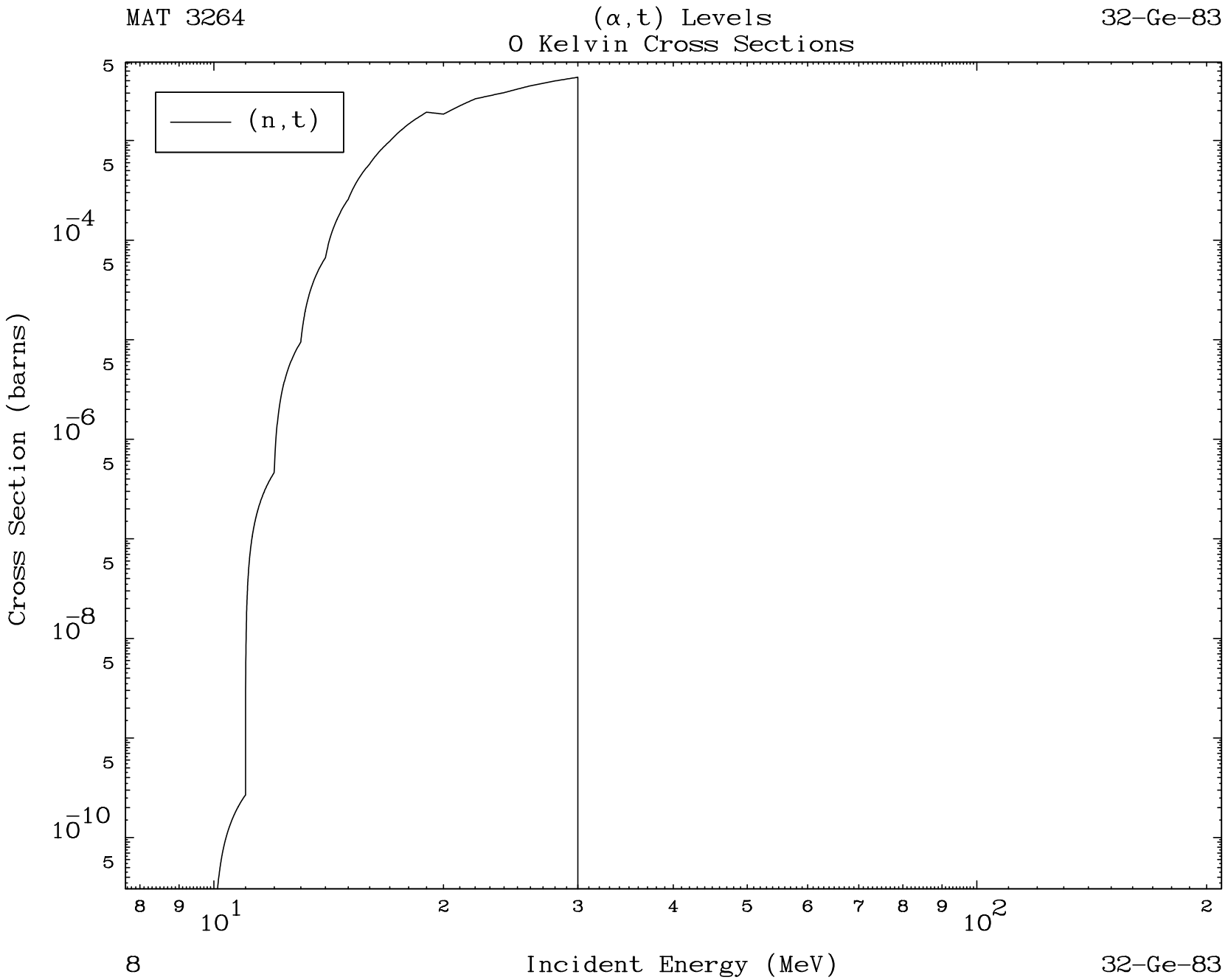

MAT 3264
α Neutron Absorption
0 Kelvin Cross Sections
32-Ge-83
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
32-Ge-83

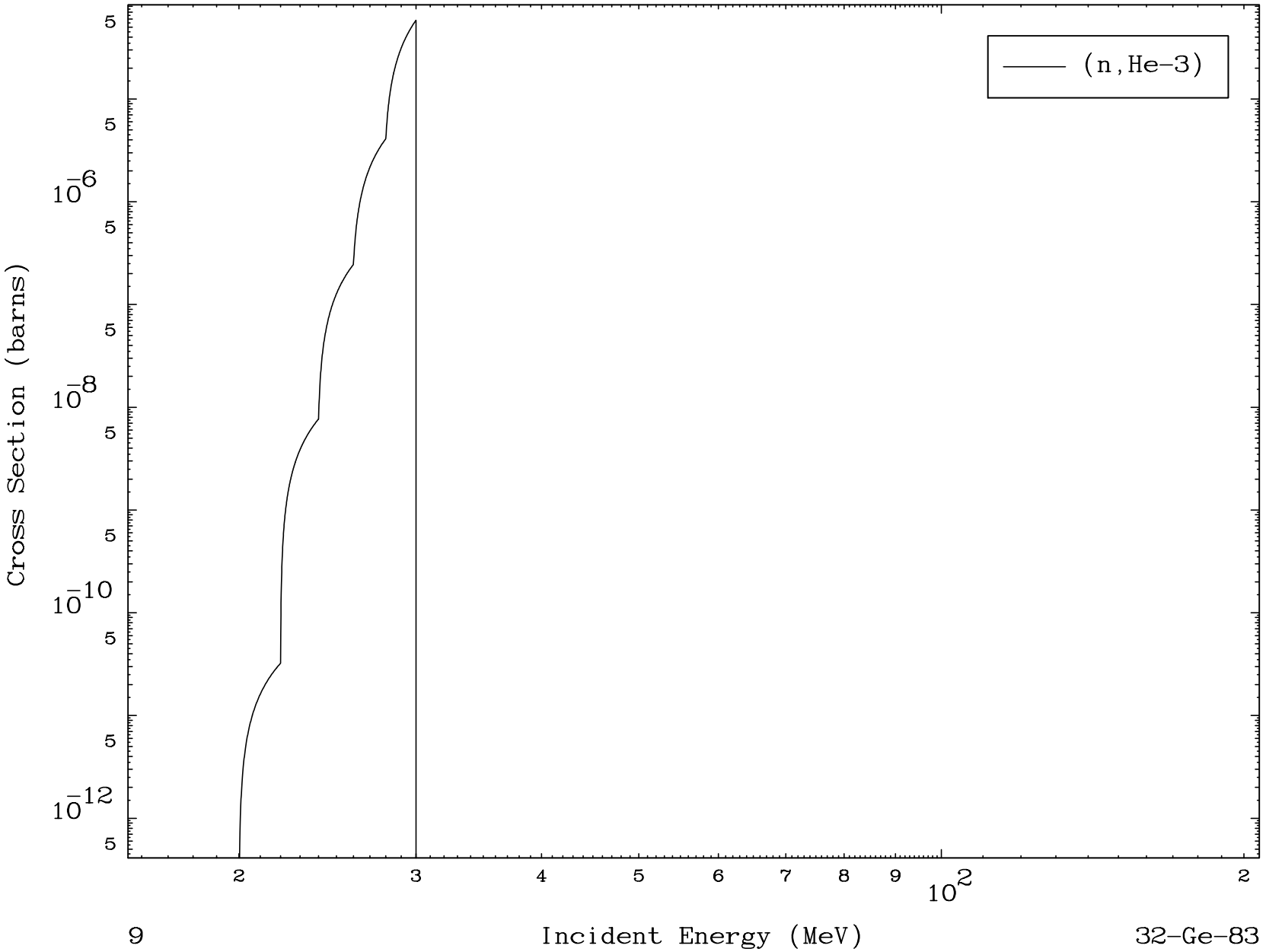

MAT 3264
α Charged Particle
0 Kelvin Cross Sections
32-Ge-83
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
32-Ge-83

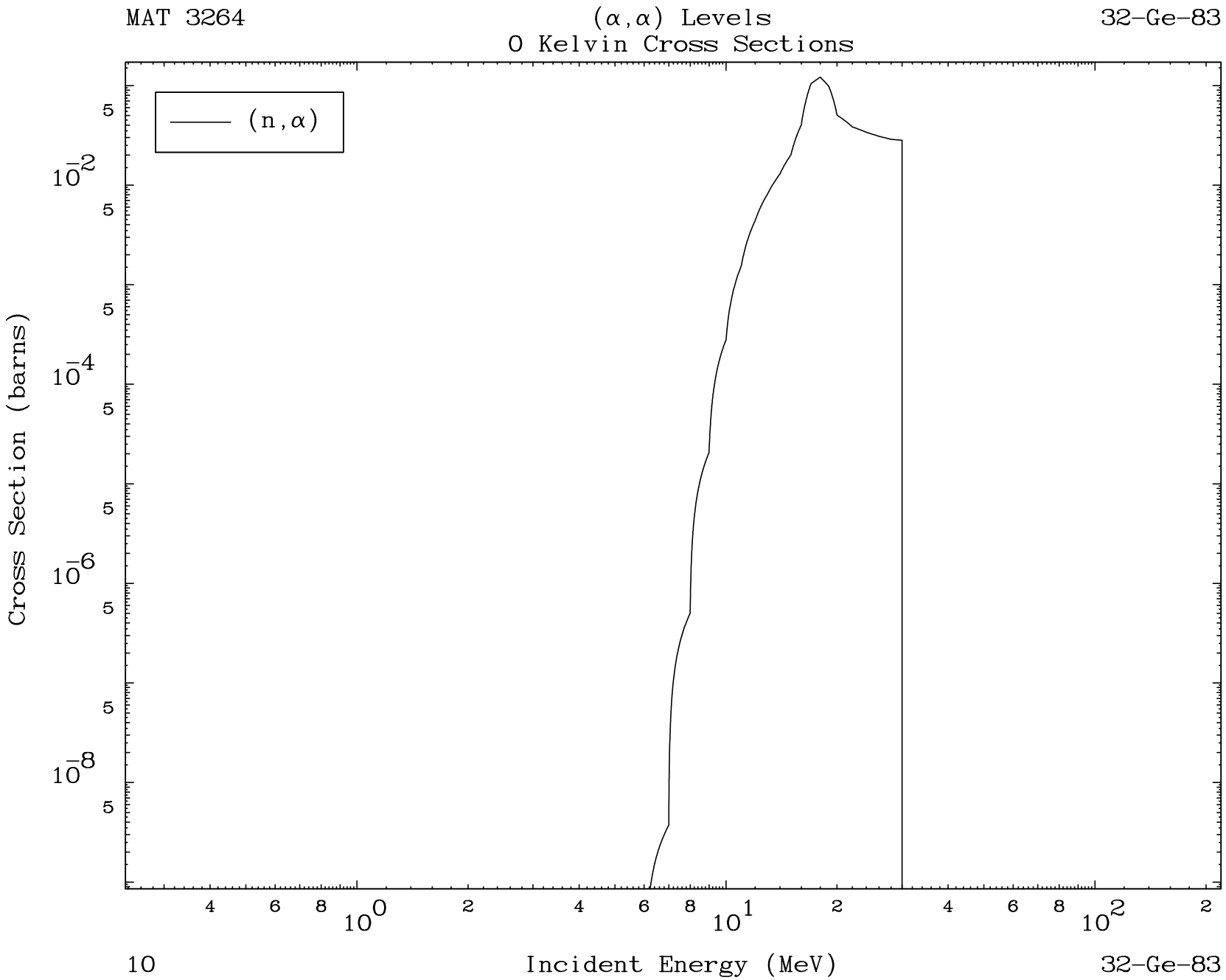

MAT 3264
α Charged Particle
0 Kelvin Cross Sections
32-Ge-83
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
5
32-Ge-83

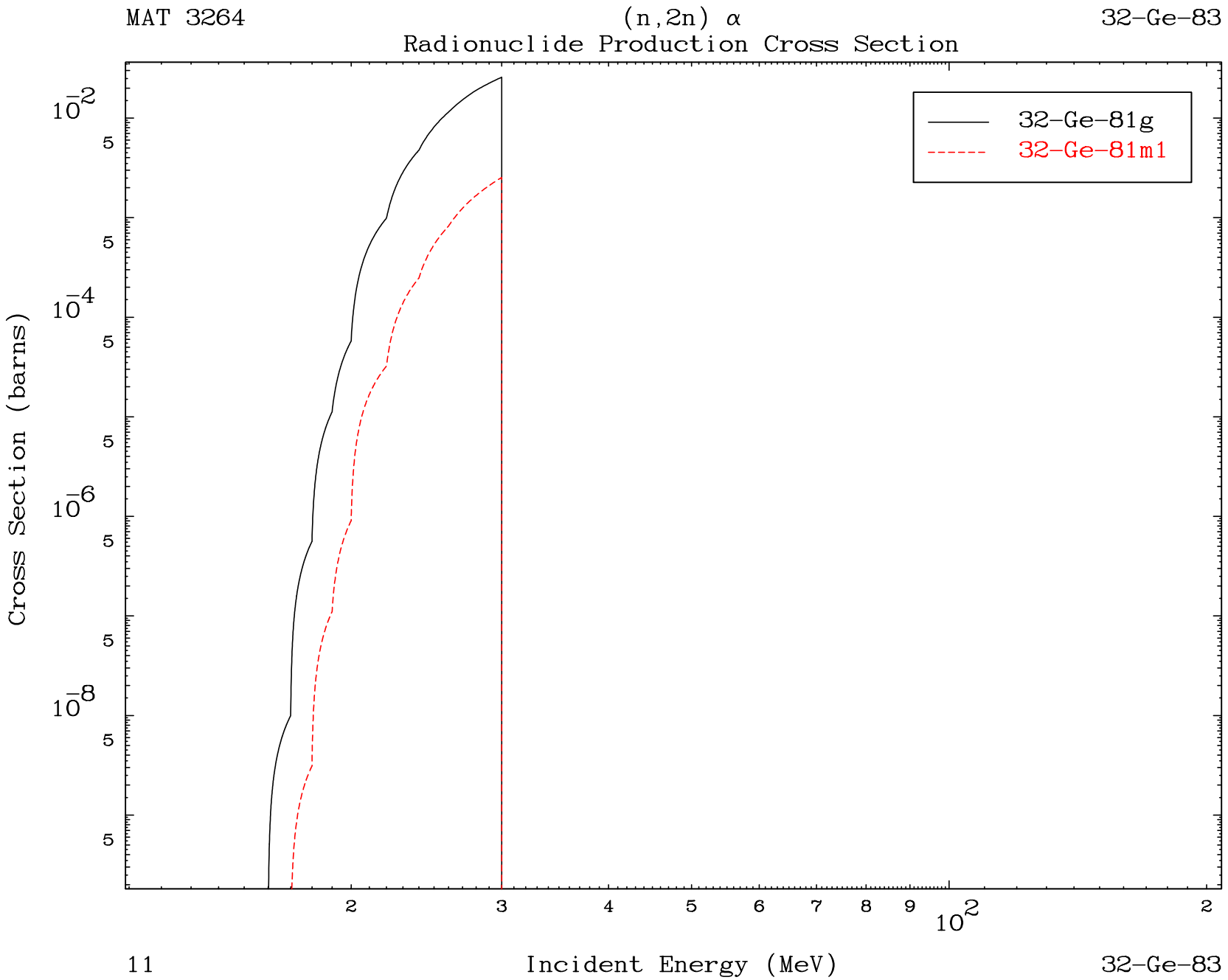

MAT 3264
(α,p) Levels
32-Ge-83
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
32-Ge-83
6

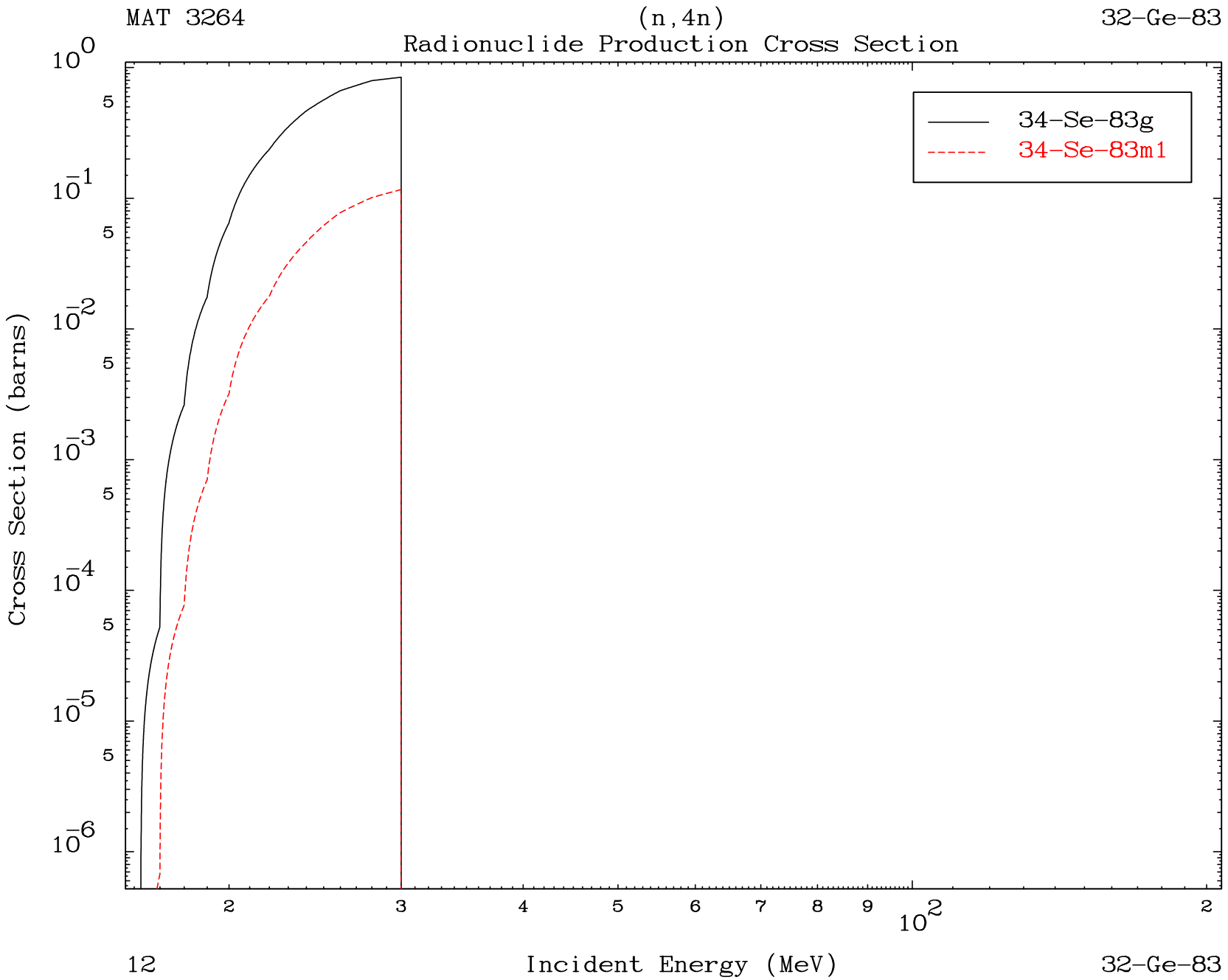

MAT 3264
(α,d) Levels
32-Ge-83
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
32-Ge-83


MAT 3264
(α,t) Levels
32-Ge-83
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
10 1
10 2
Incident Energy (MeV)
8
32-Ge-83


0 Kelvin Cross Sections
(n,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
Incident Energy (MeV)


MAT 3264
(α,α) Levels
32-Ge-83
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
32-Ge-83


MAT 3264
(n,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
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
32-Ge-83


MAT 3264
(n,4n)
32-Ge-83
Radionuclide Production Cross Section
34-Se-83g
34-Se-83m1
Cross Section (barns)
Incident Energy (MeV)
12
32-Ge-83