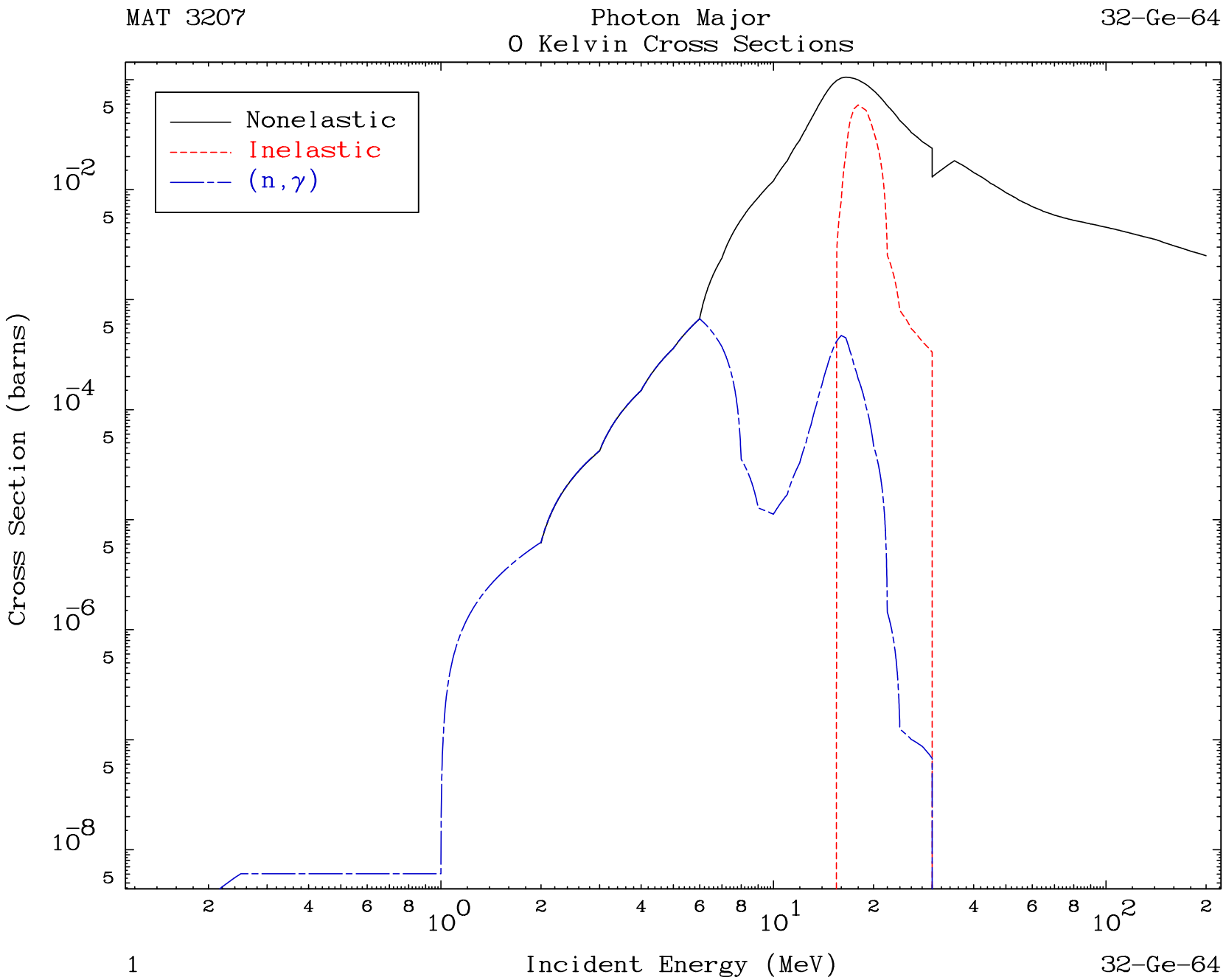
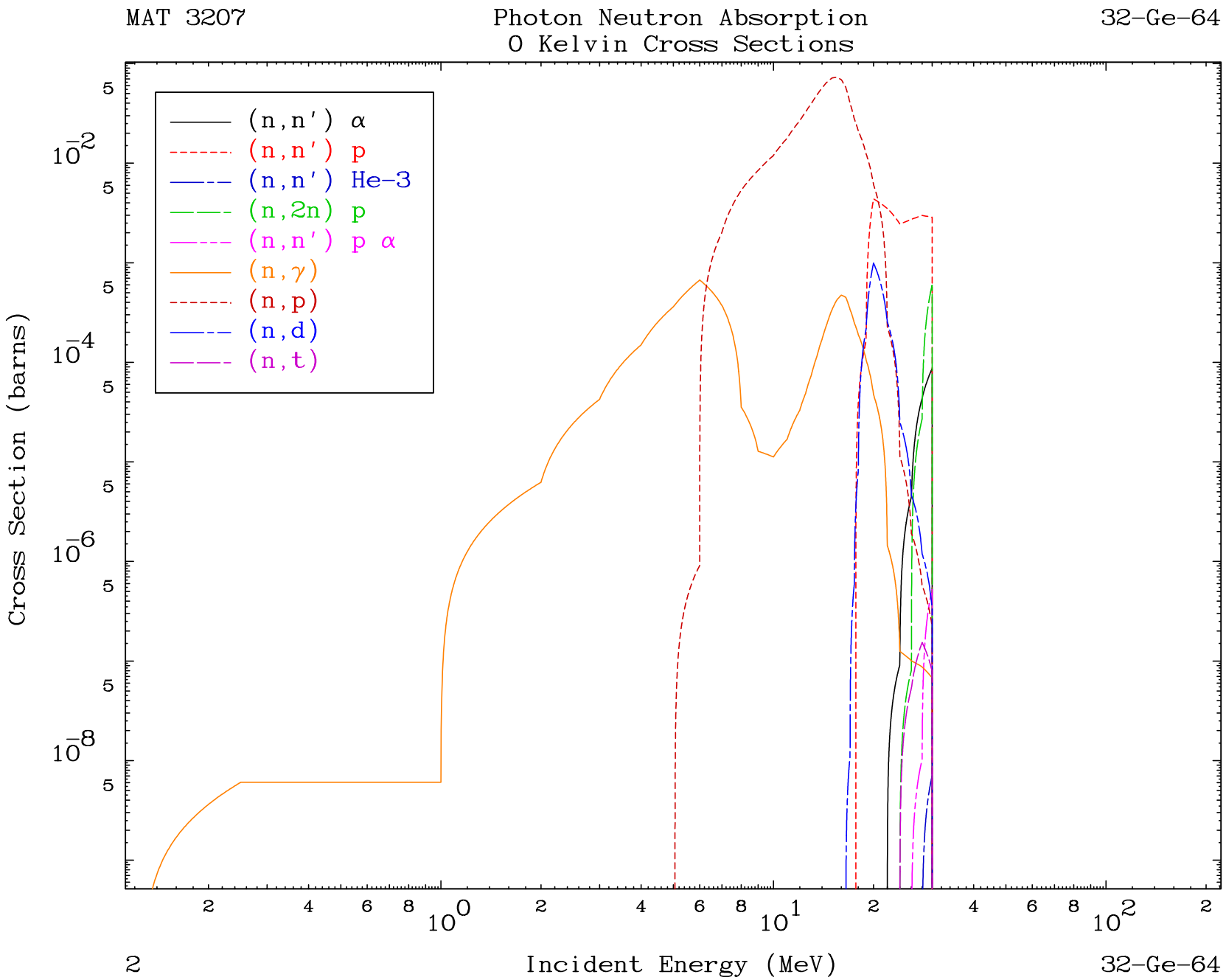
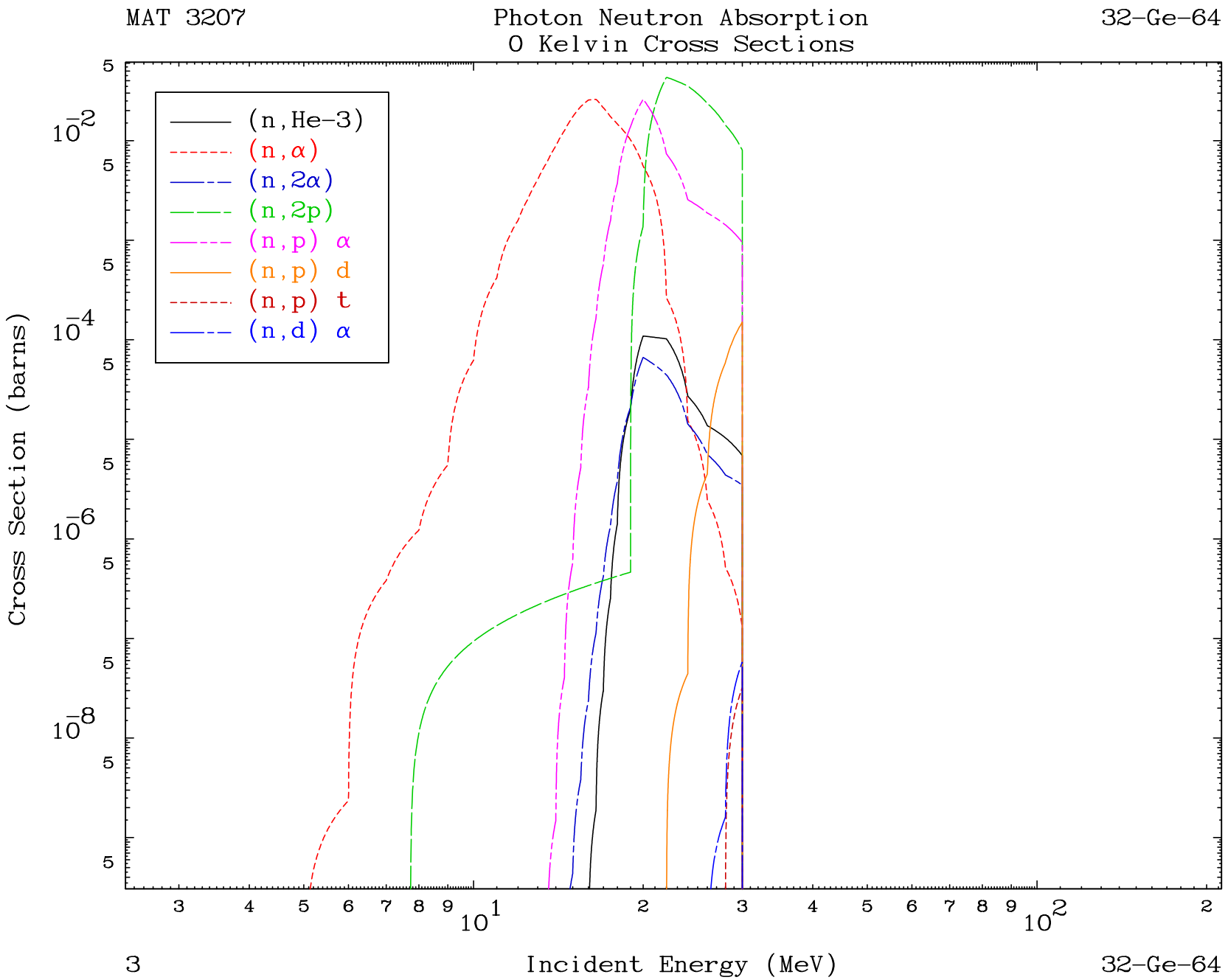
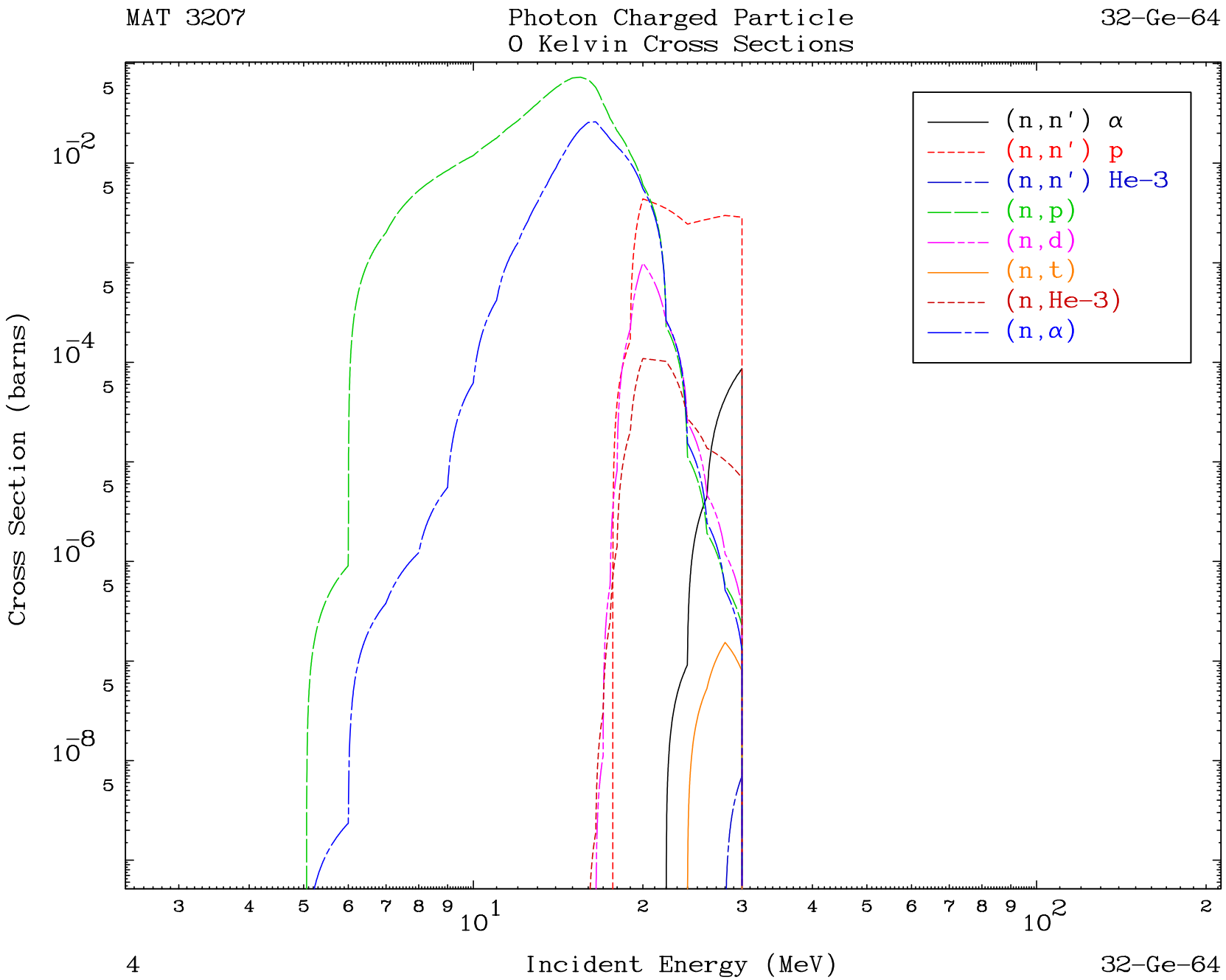
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

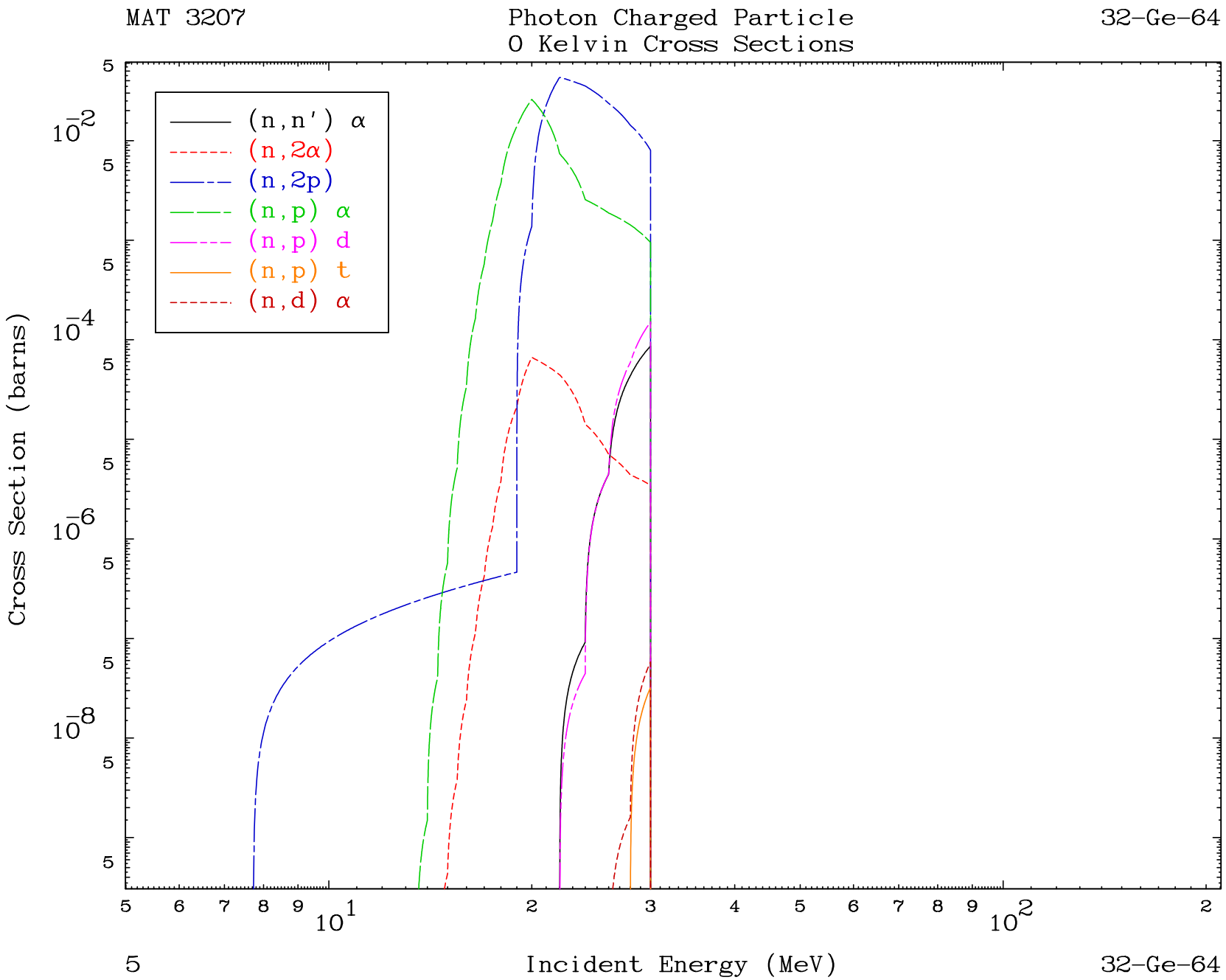
Press Mouse Button to Start

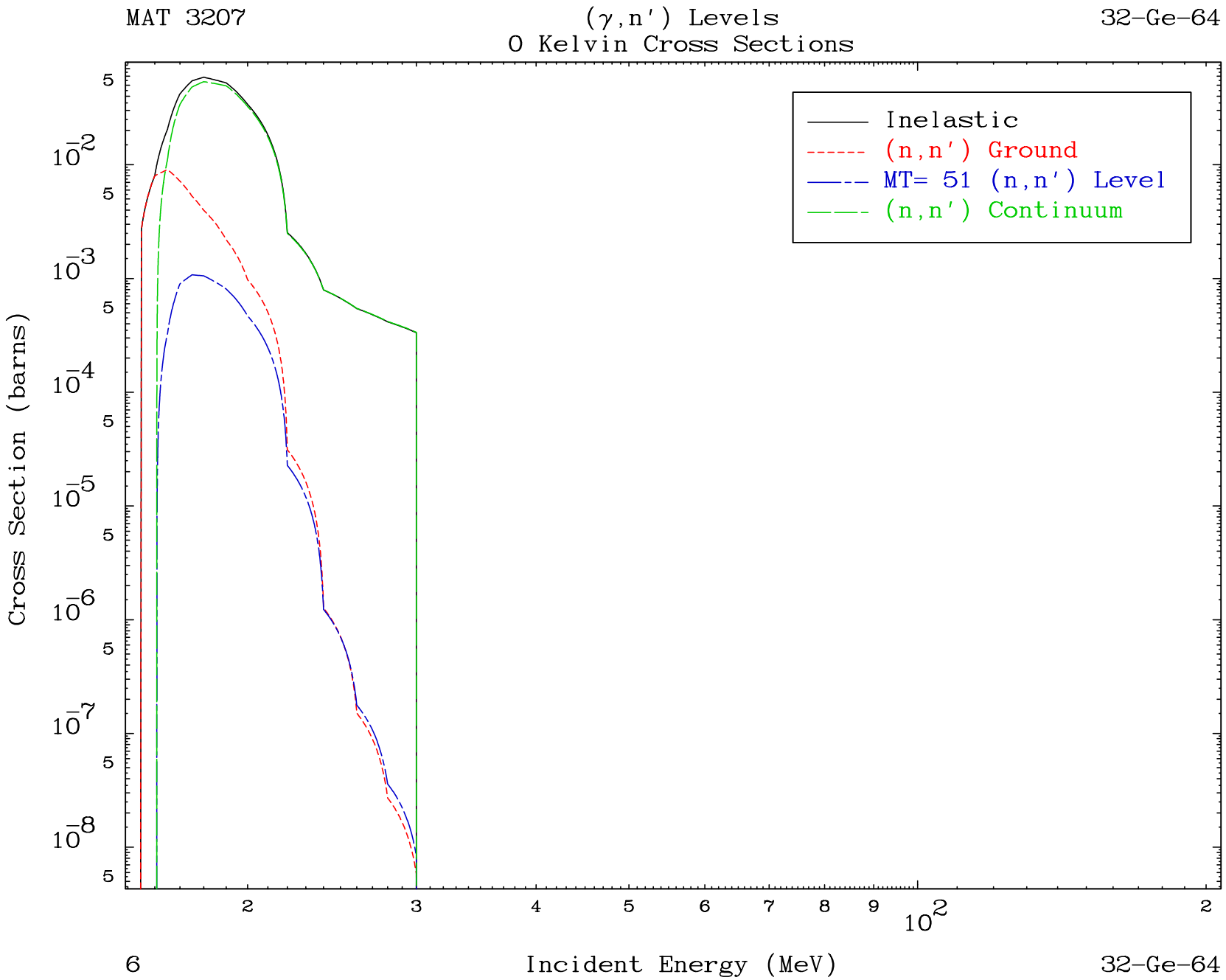

MAT 3207
Photon Major
32-Ge-64
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
32-Ge-64

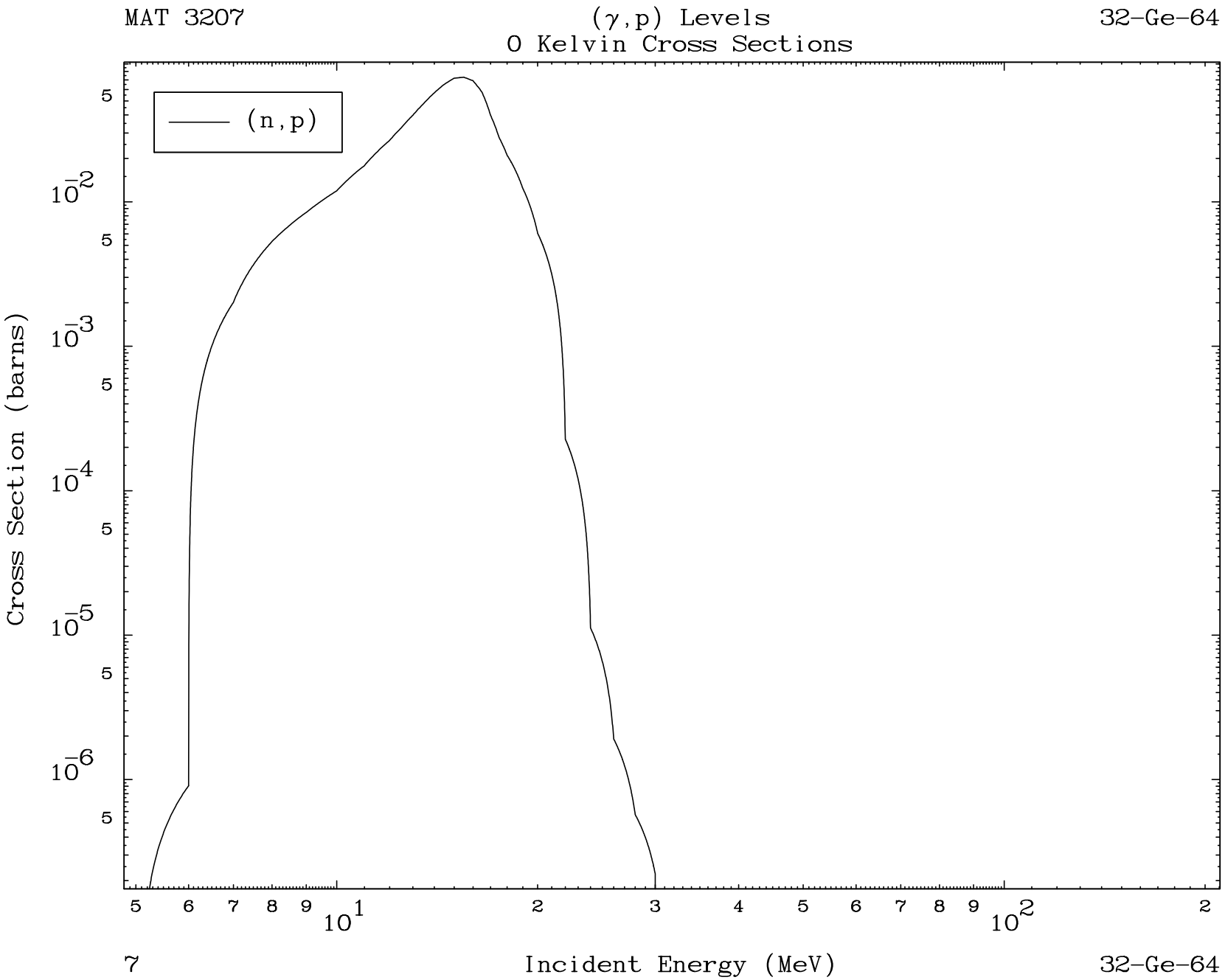

MAT 3207
Photon Neutron Absorption
0 Kelvin Cross Sections
32-Ge-64
(n,n') α
(n,n') p
(n,n') He-3
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
32-Ge-64
2

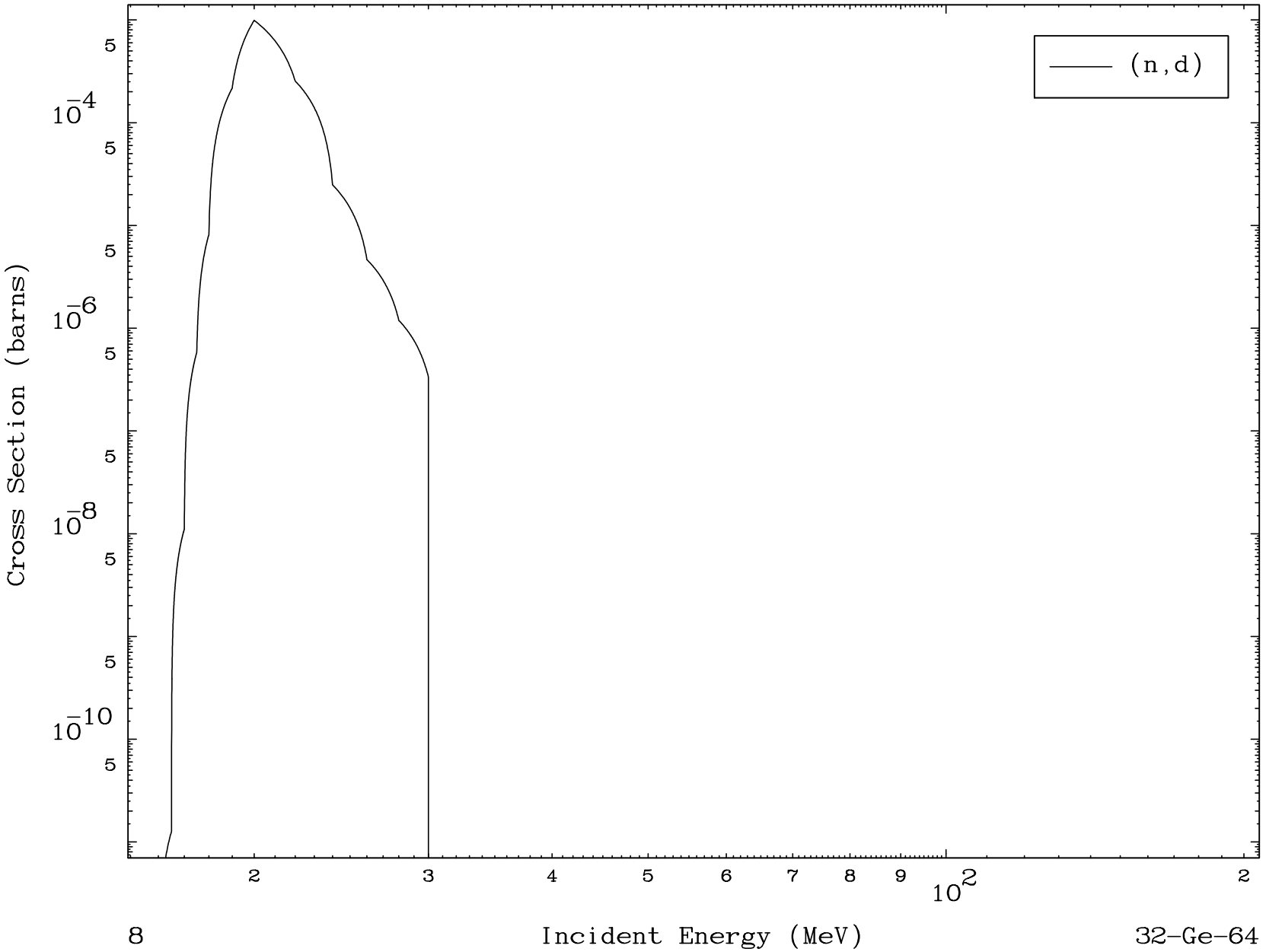

MAT 3207
Photon Neutron Absorption
0 Kelvin Cross Sections
32-Ge-64
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
32-Ge-64

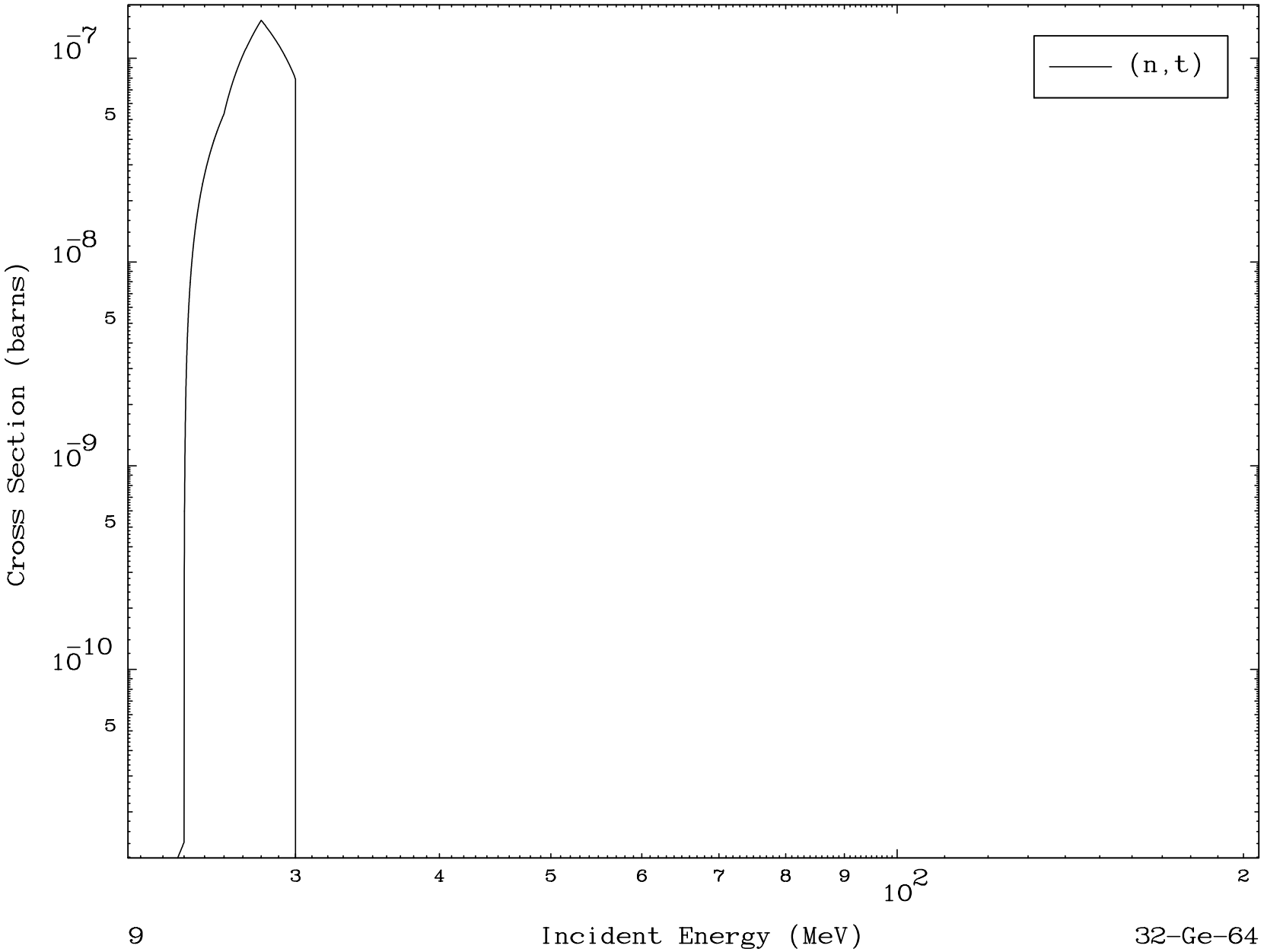

MAT 3207
Photon Charged Particle
0 Kelvin Cross Sections
32-Ge-64
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') He-3
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
4
32-Ge-64

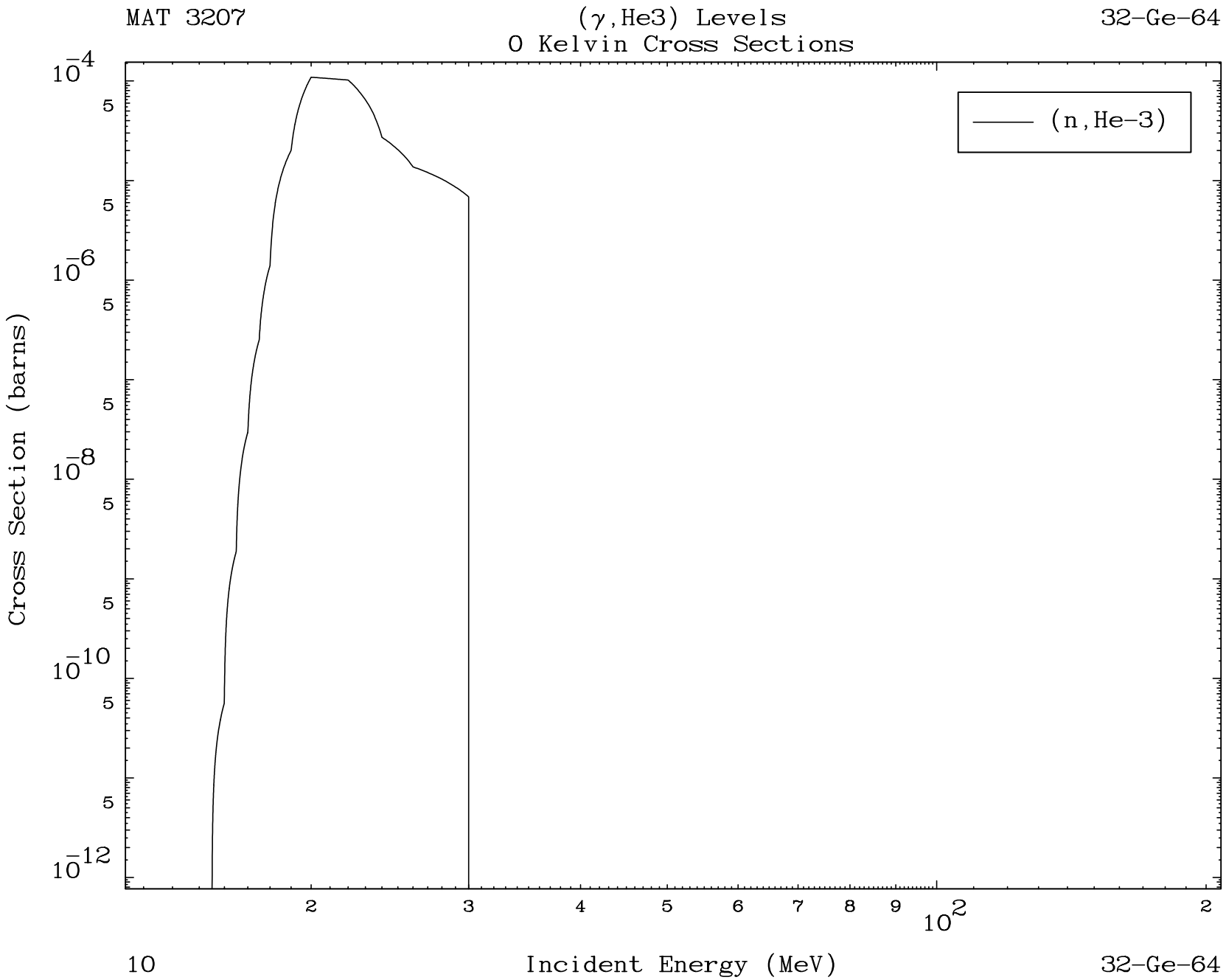

MAT 3207
Photon Charged Particle
0 Kelvin Cross Sections
32-Ge-64
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
32-Ge-64

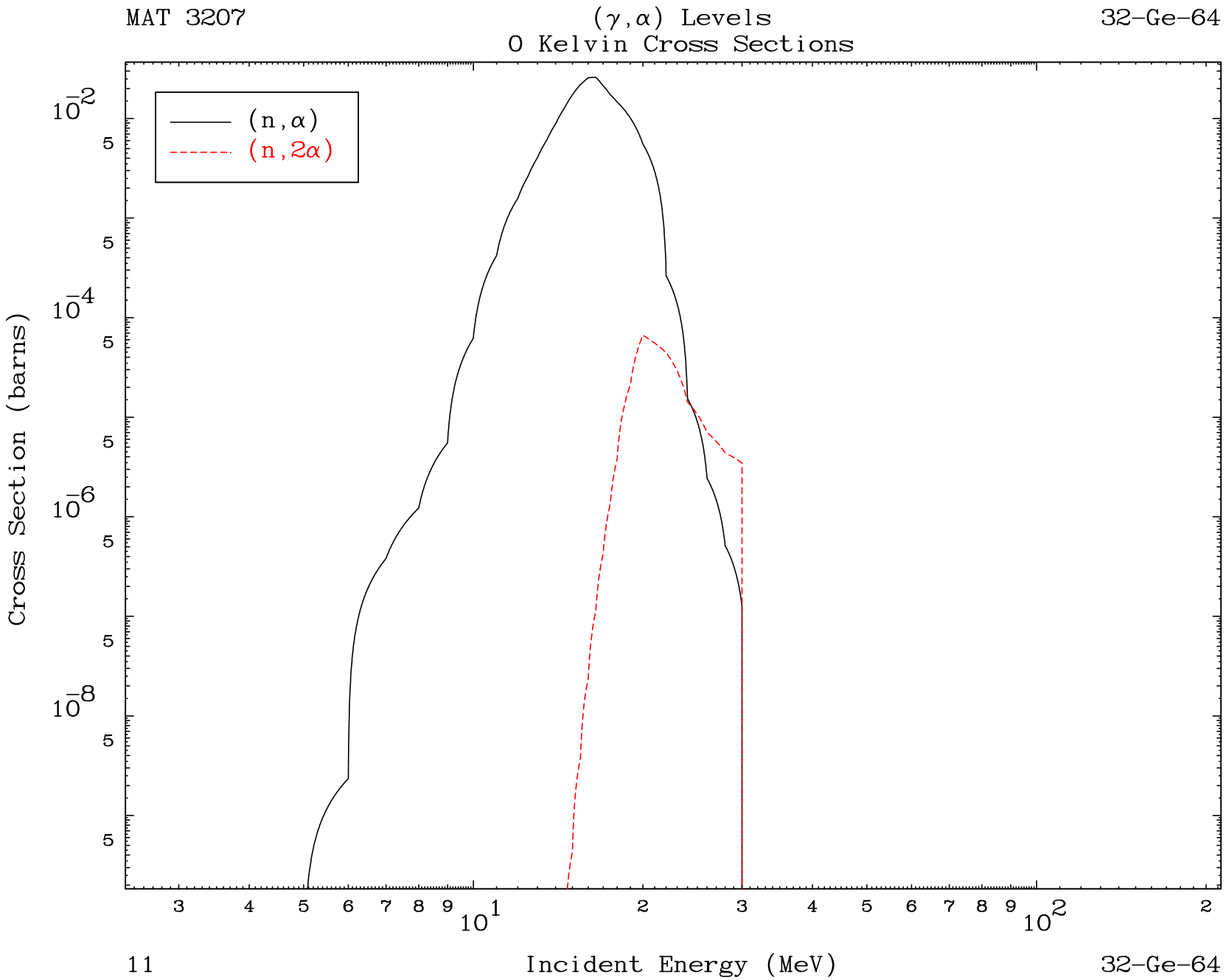

MAT 3207
(γ,n') Levels
0 Kelvin Cross Sections
32-Ge-64
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
32-Ge-64


MAT 3207
(γ,p) Levels
32-Ge-64
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
5
5
5
5
5
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
7
Incident Energy (MeV)
32-Ge-64


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
Incident Energy (MeV)


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


MAT 3207
(γ,He3) Levels
32-Ge-64
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
32-Ge-64


MAT 3207
(γ,α) Levels
32-Ge-64
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
11
32-Ge-64