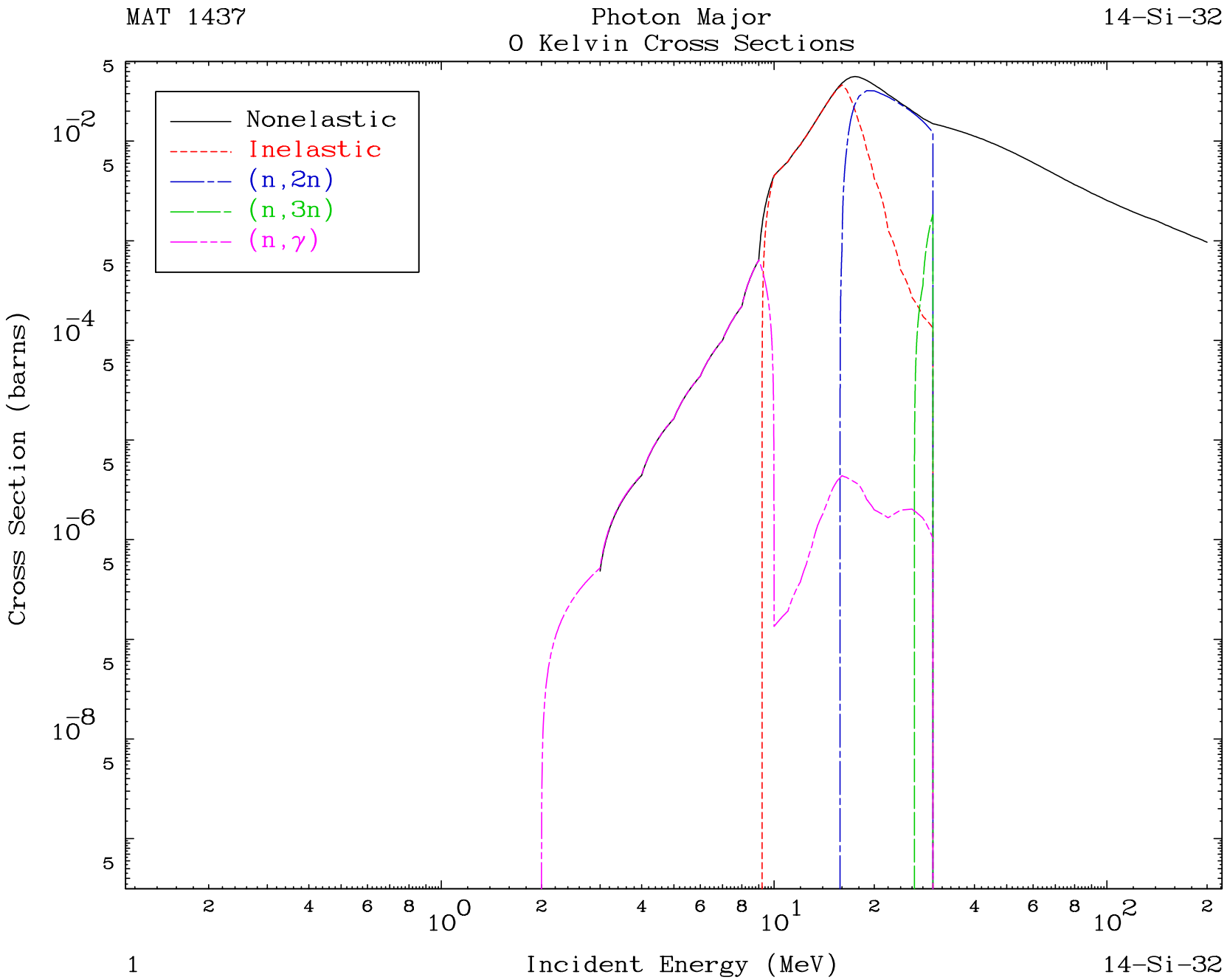
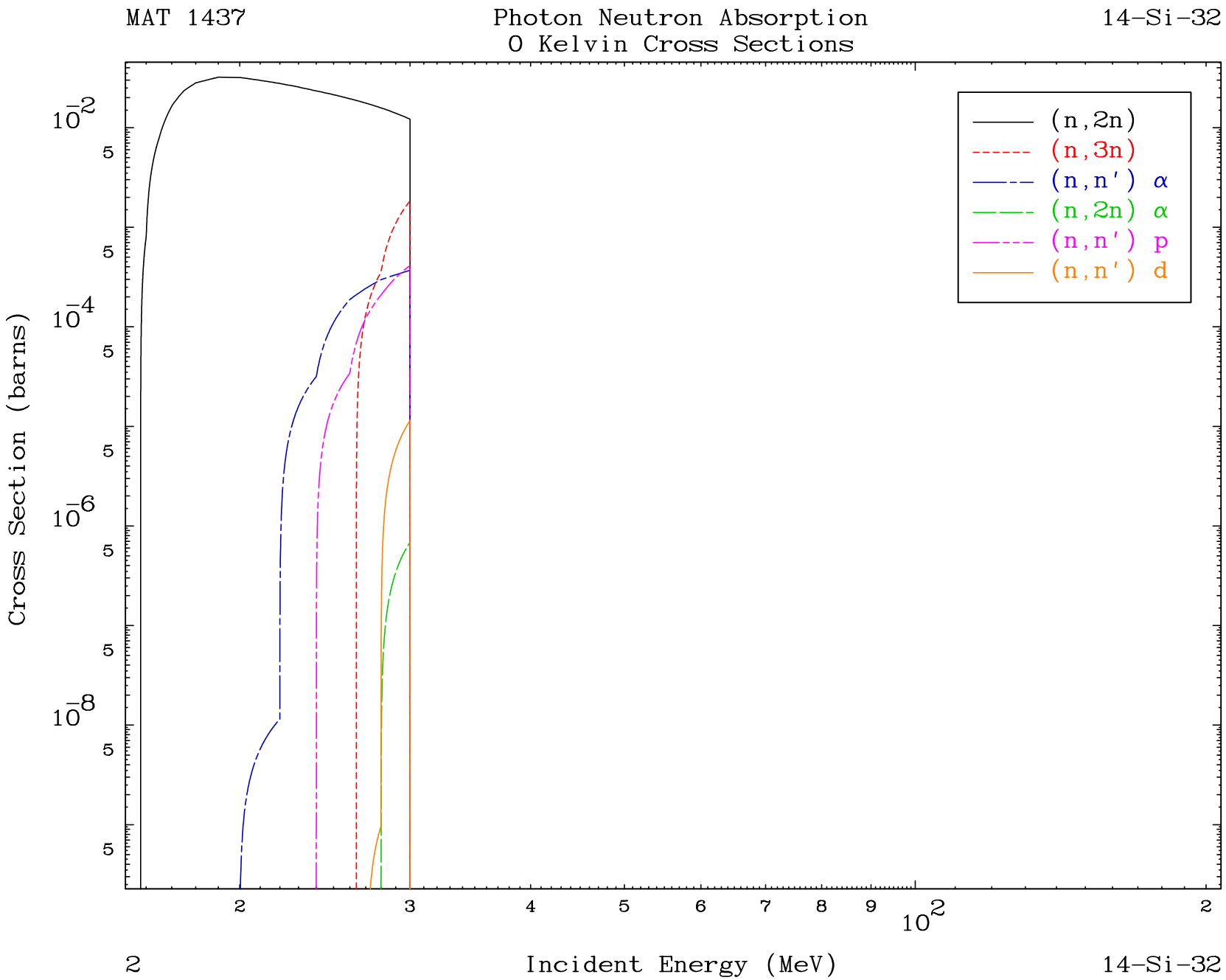
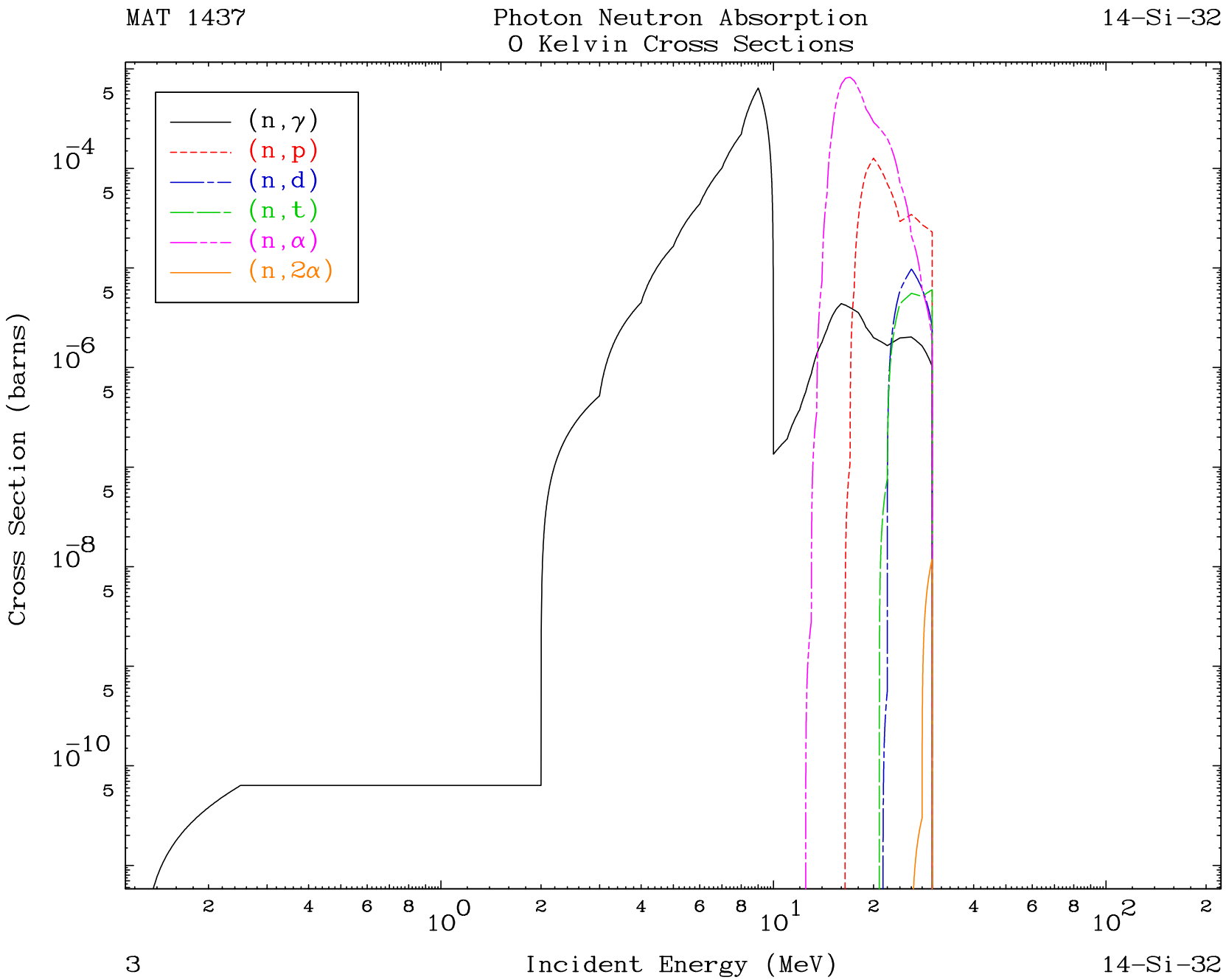
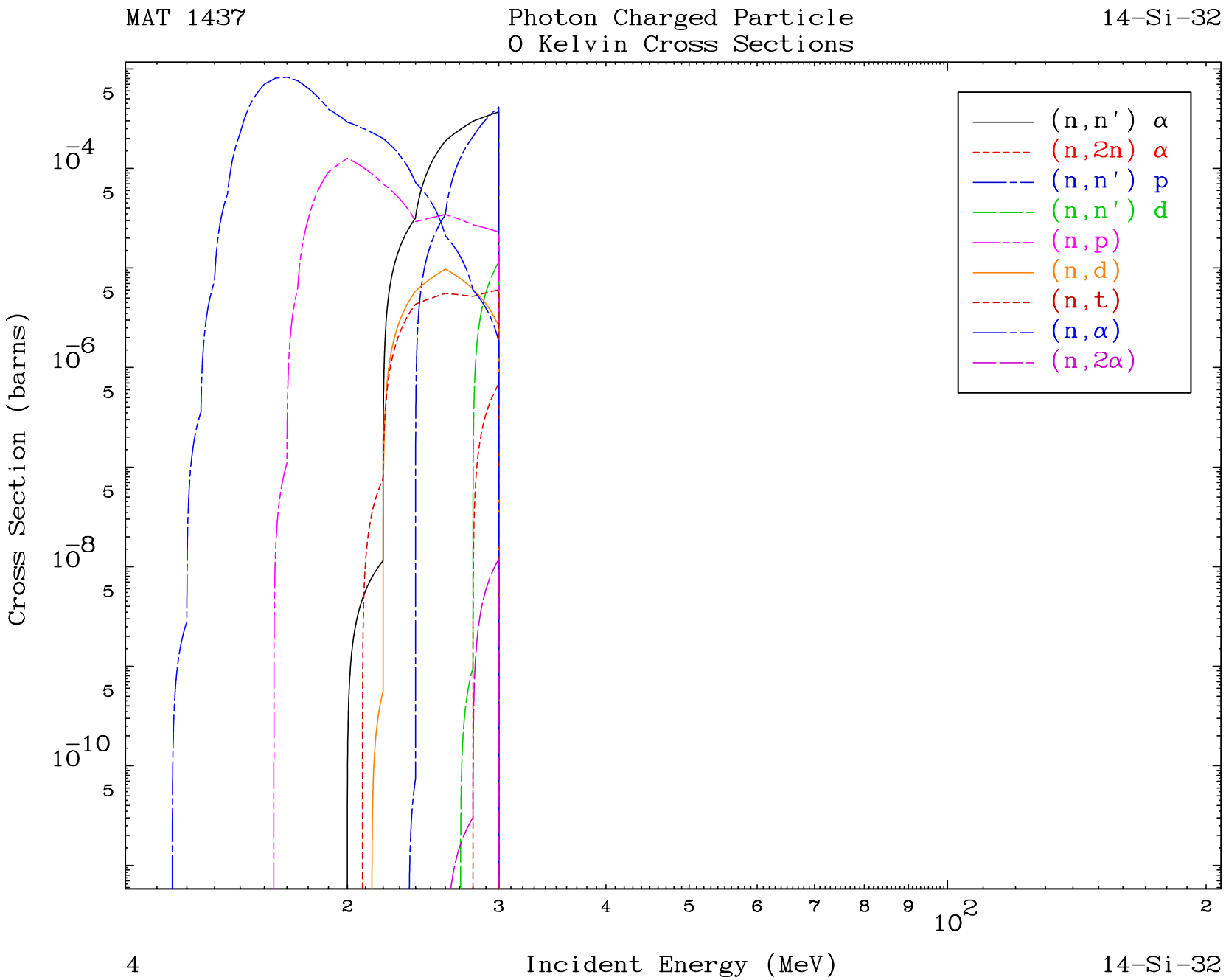
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

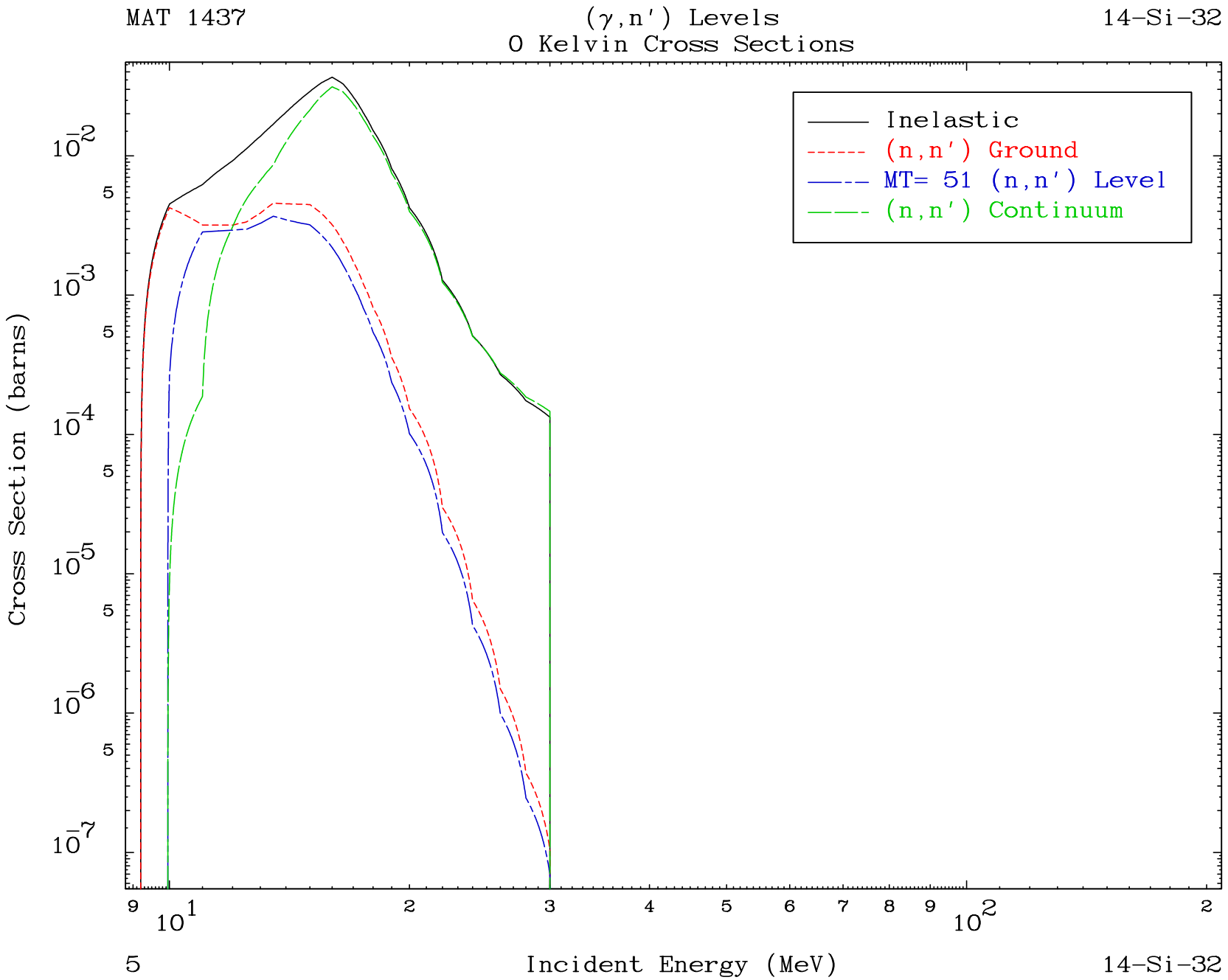
Press Mouse Button to Start

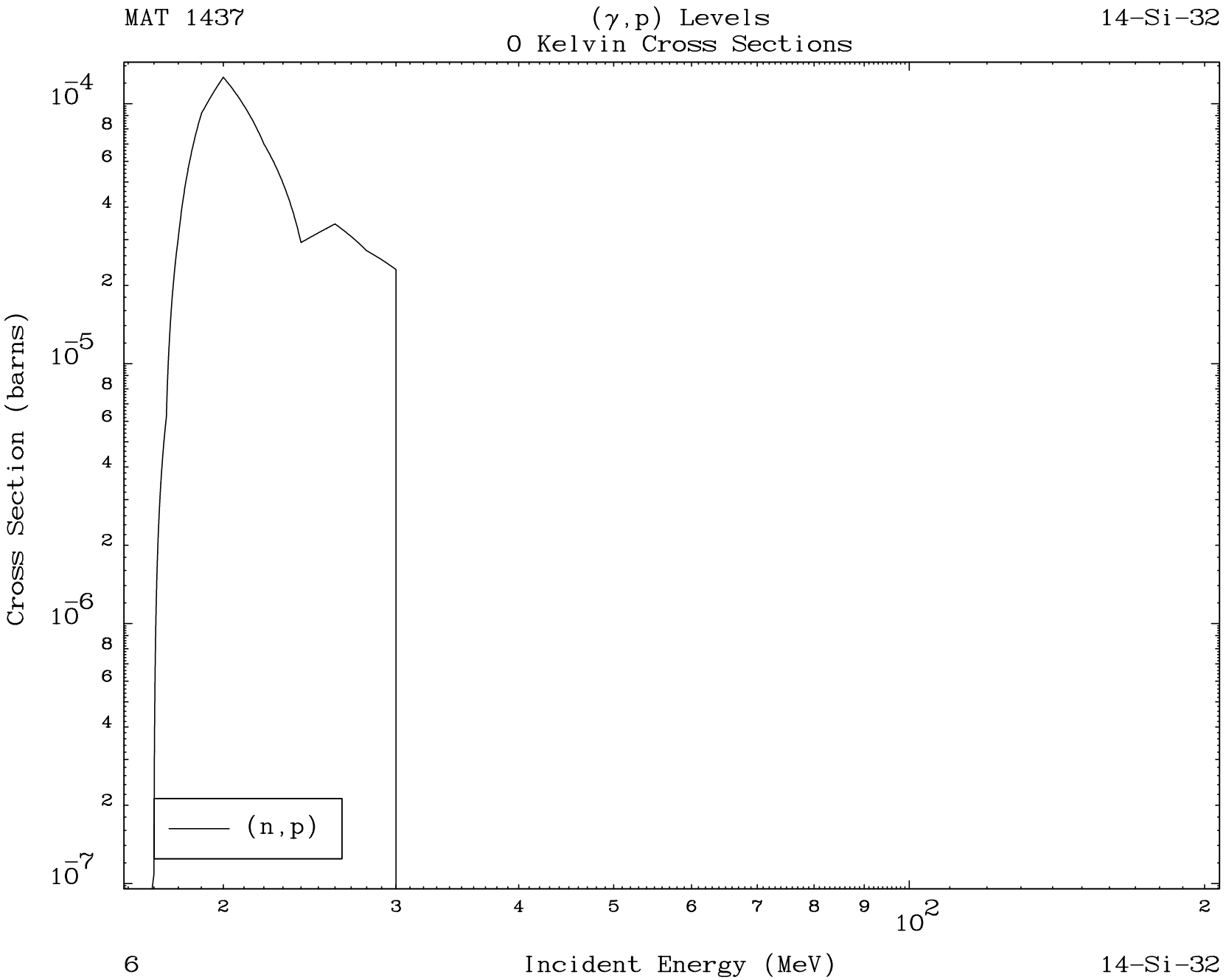

MAT 1437
Photon Major
14-Si-32
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
14-Si-32
1

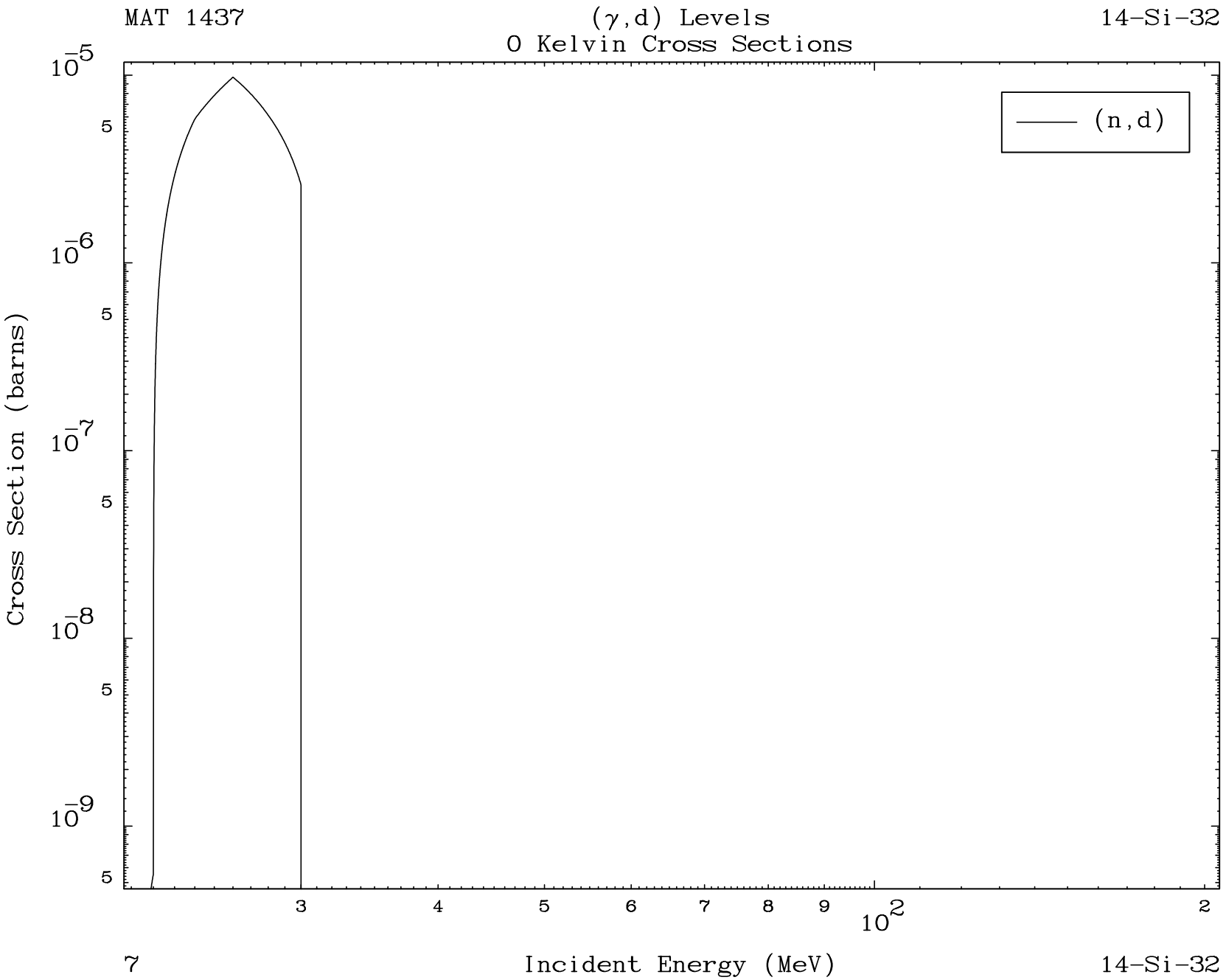

MAT 1437
Photon Neutron Absorption
0 Kelvin Cross Sections
14-Si-32
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
14-Si-32

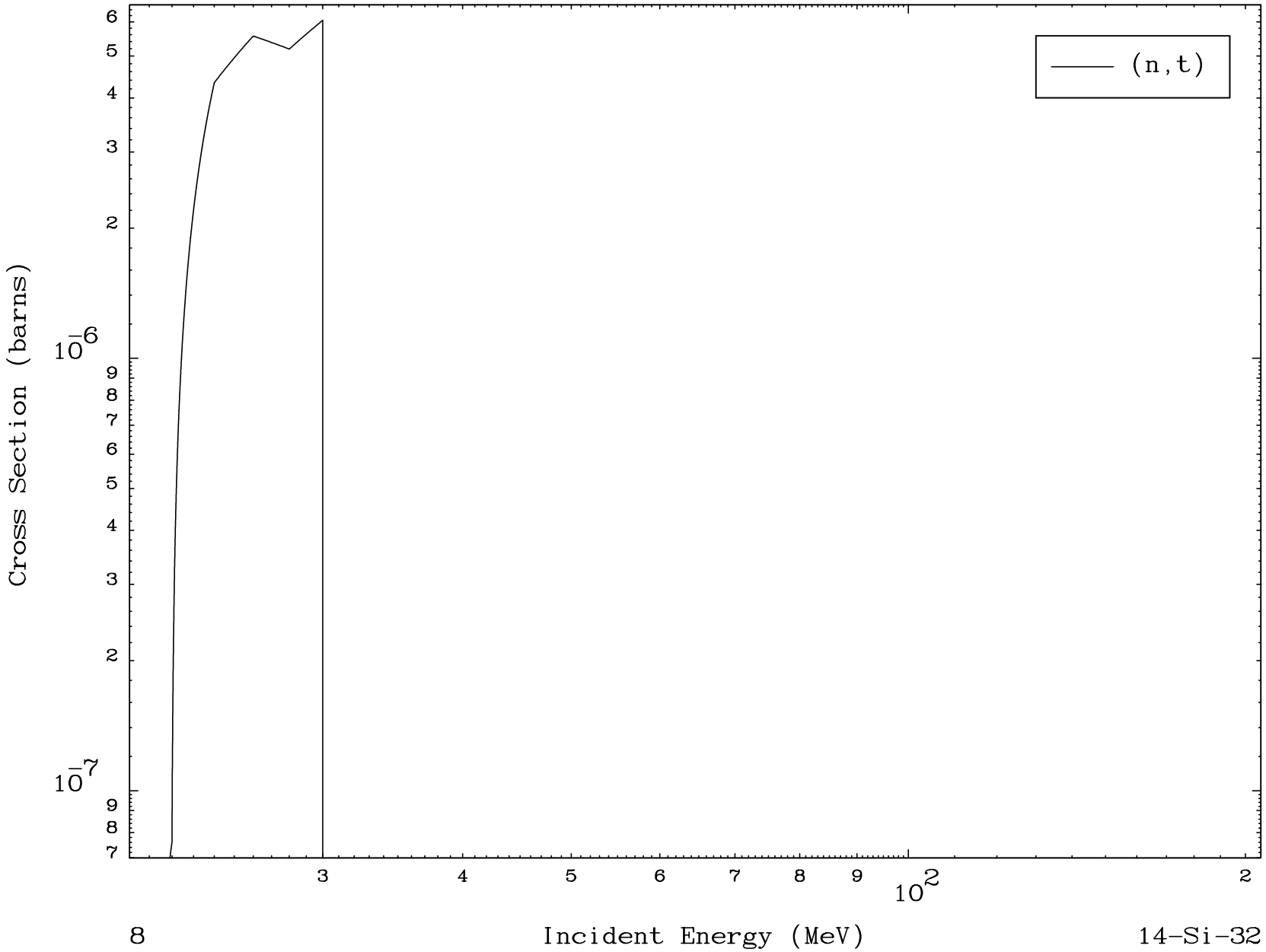

MAT 1437
Photon Neutron Absorption
0 Kelvin Cross Sections
14-Si-32
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
3
14-Si-32

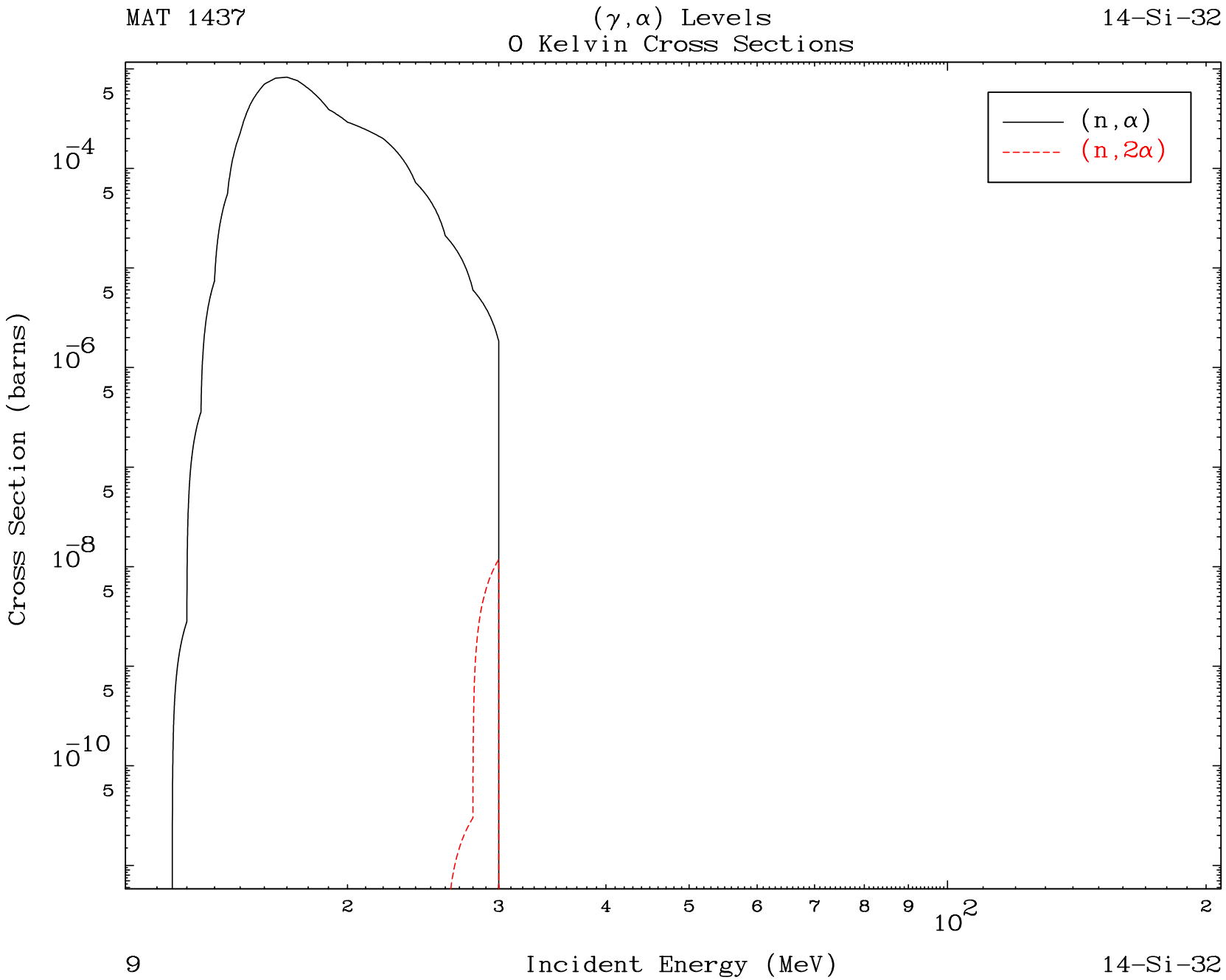

MAT 1437
Photon Charged Particle
0 Kelvin Cross Sections
14-Si-32
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
4
14-Si-32


MAT 1437
(γ,n') Levels
14-Si-32
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
14-Si-32
5


MAT 1437
(γ,p) Levels
14-Si-32
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-5
10^-6
10^-7
(n,p)
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
6
14-Si-32


MAT 1437
(γ,d) Levels
14-Si-32
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-5
5
10-6
5
10-7
5
10-8
5
10-9
5
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
14-Si-32


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


MAT 1437
(γ,α) Levels
14-Si-32
0 Kelvin Cross Sections
(n,α)
(n,2α)
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)
9
14-Si-32