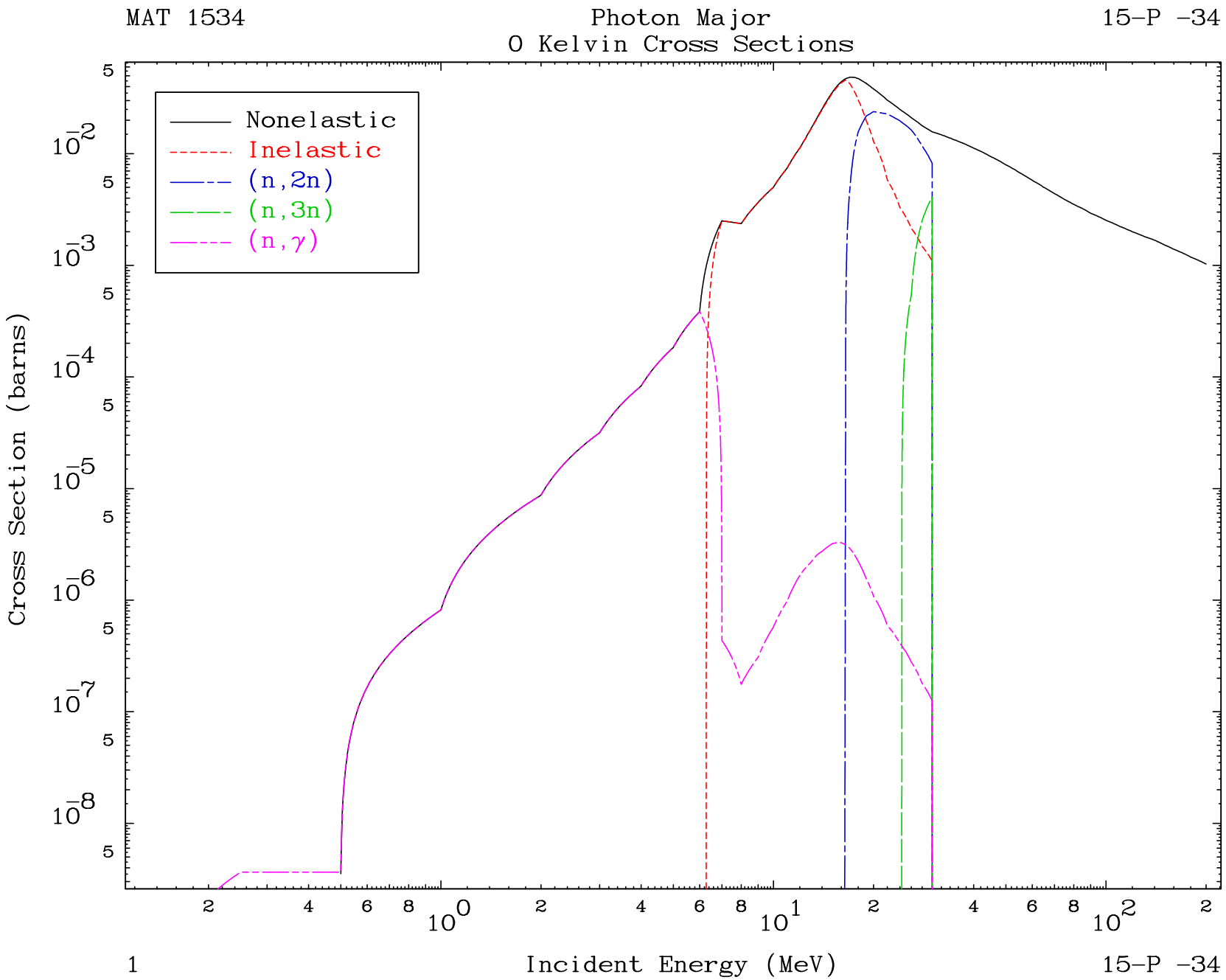
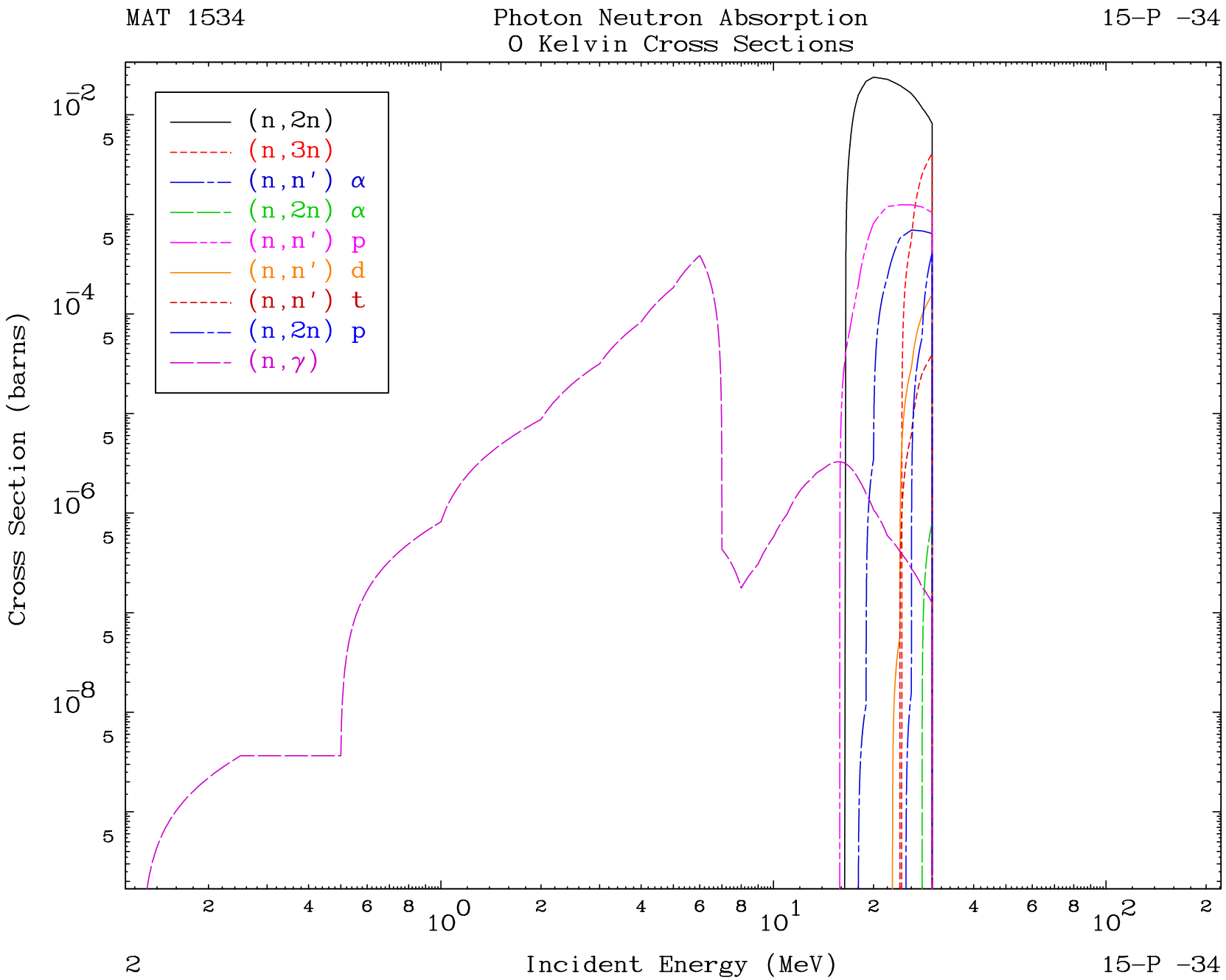
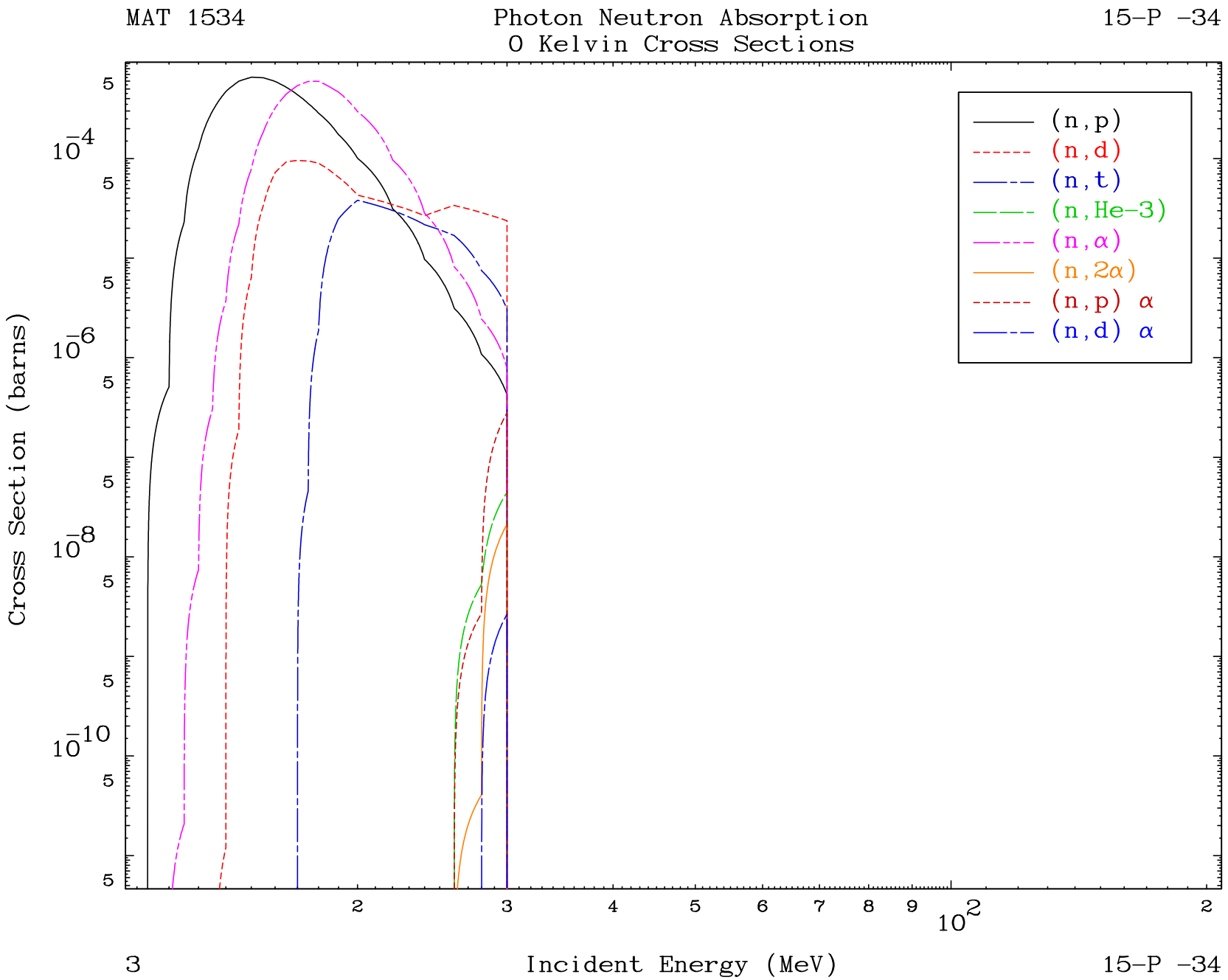
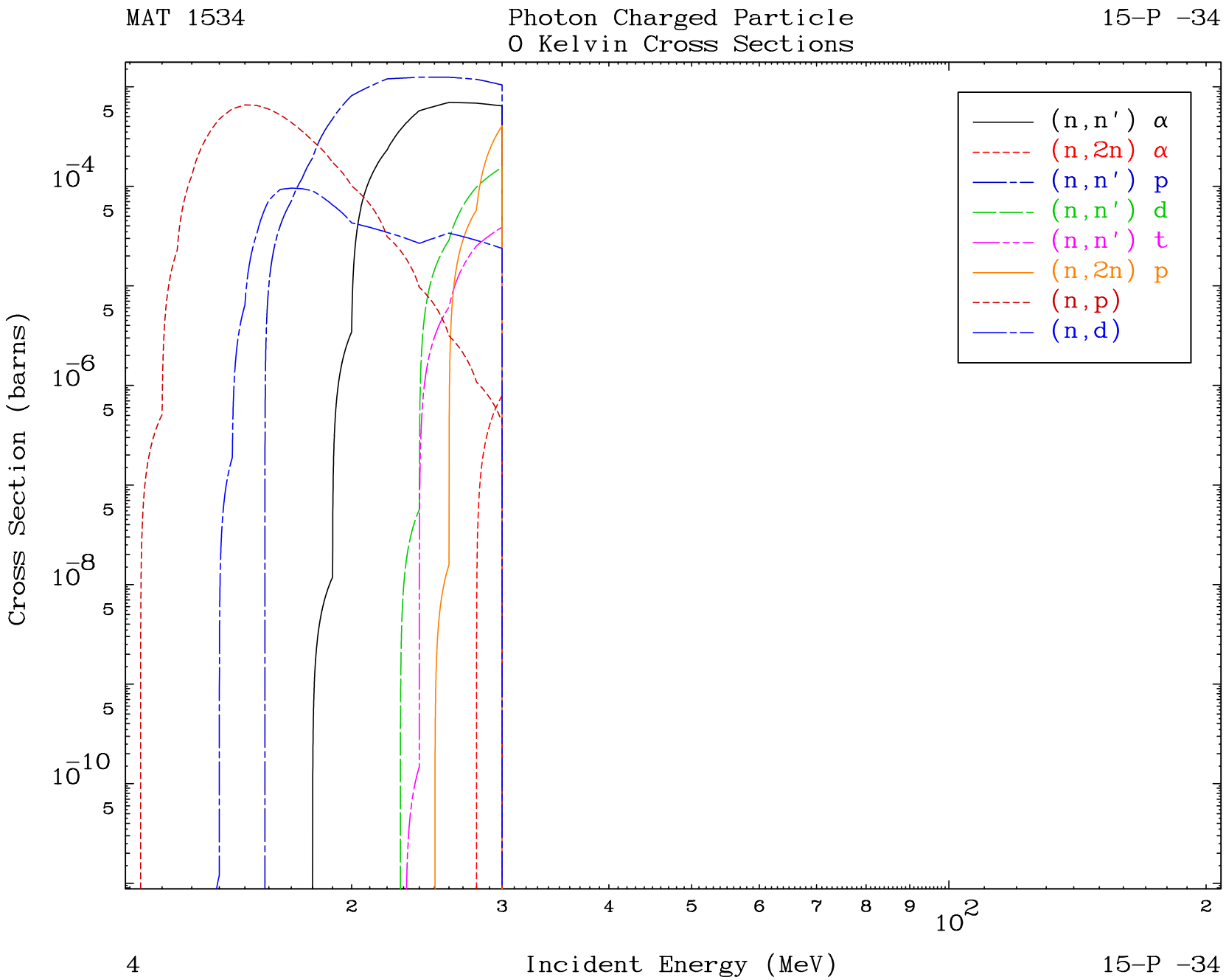
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

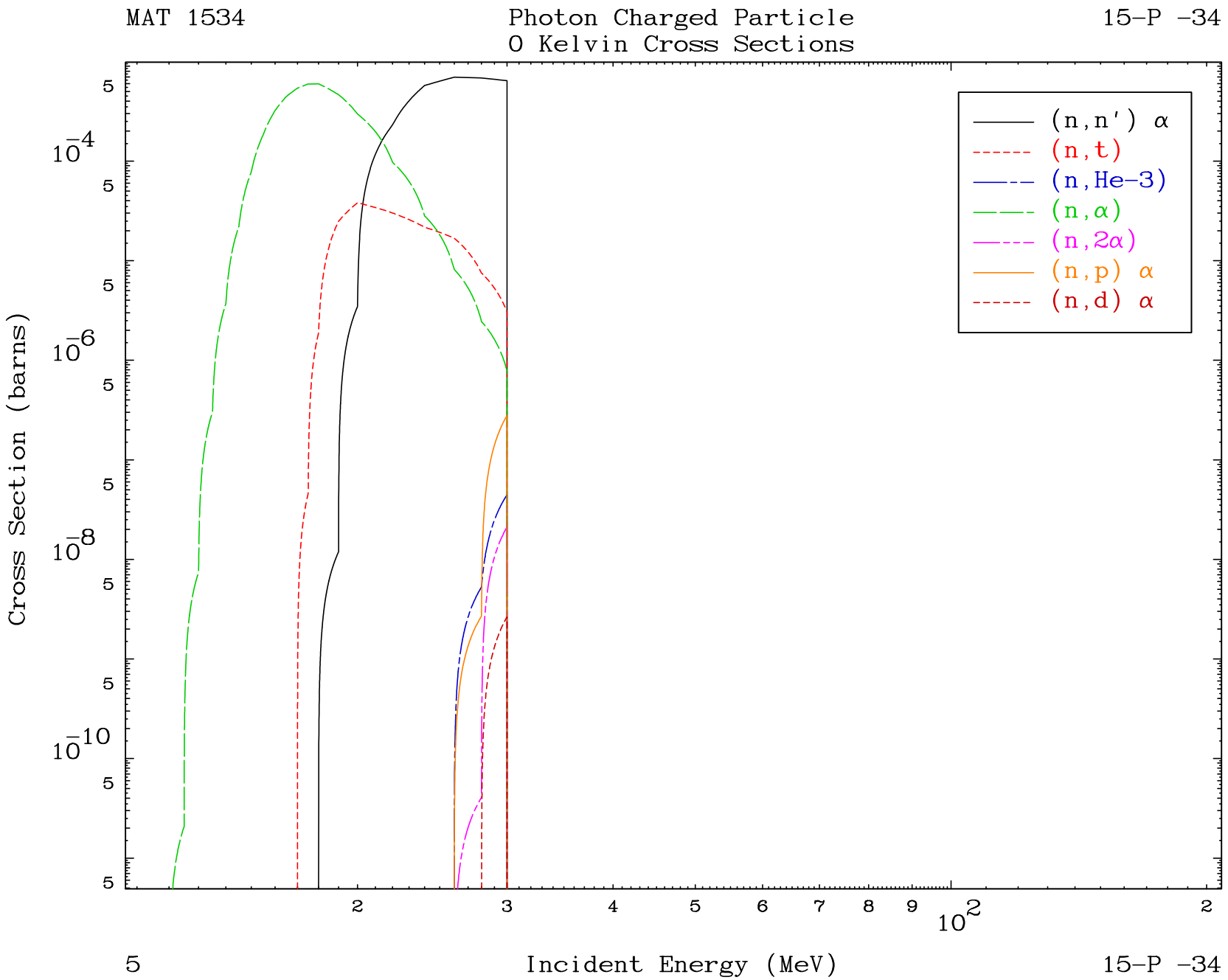
Press Mouse Button to Start

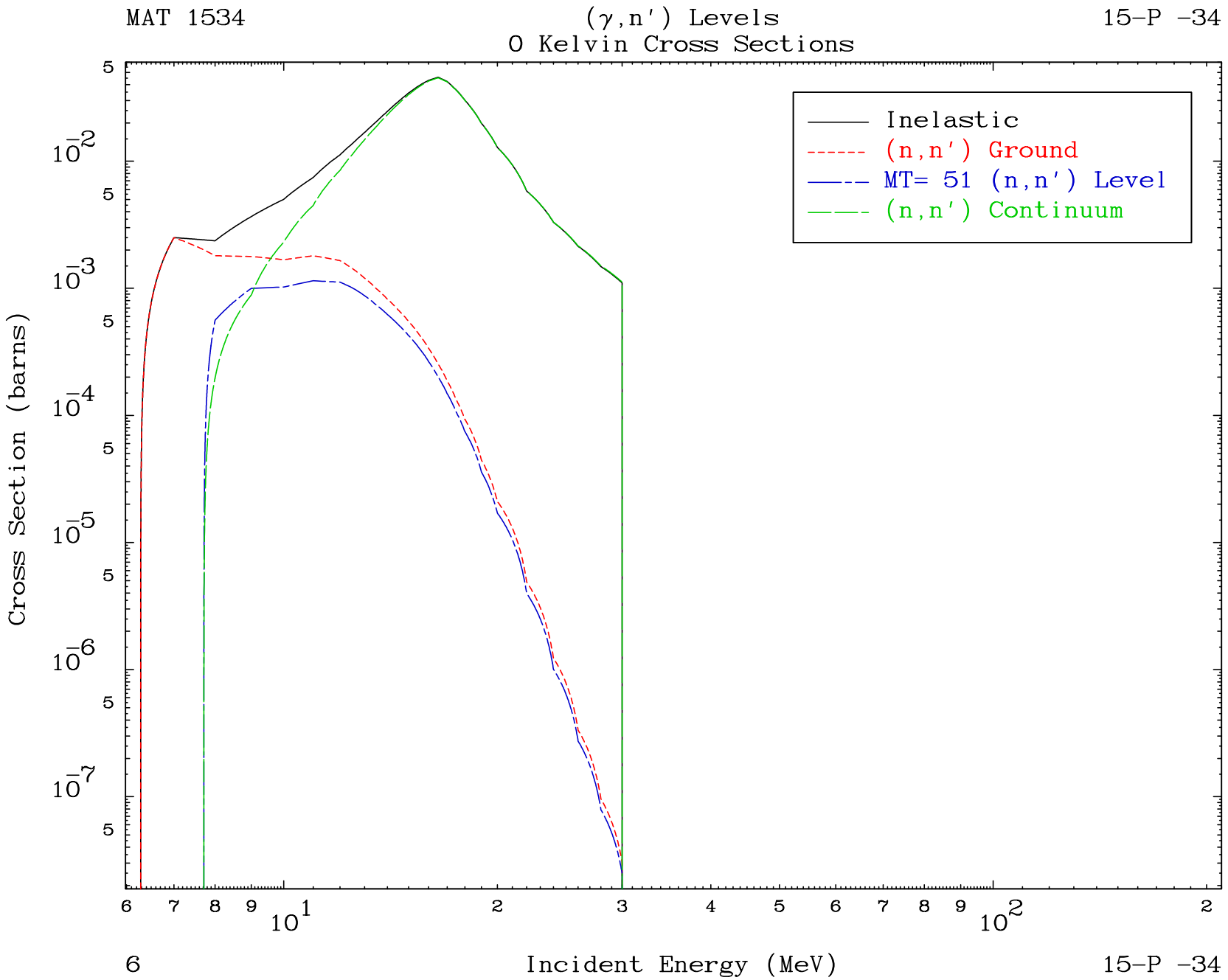

MAT 1534
Photon Major
15-P -34
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
15-P -34

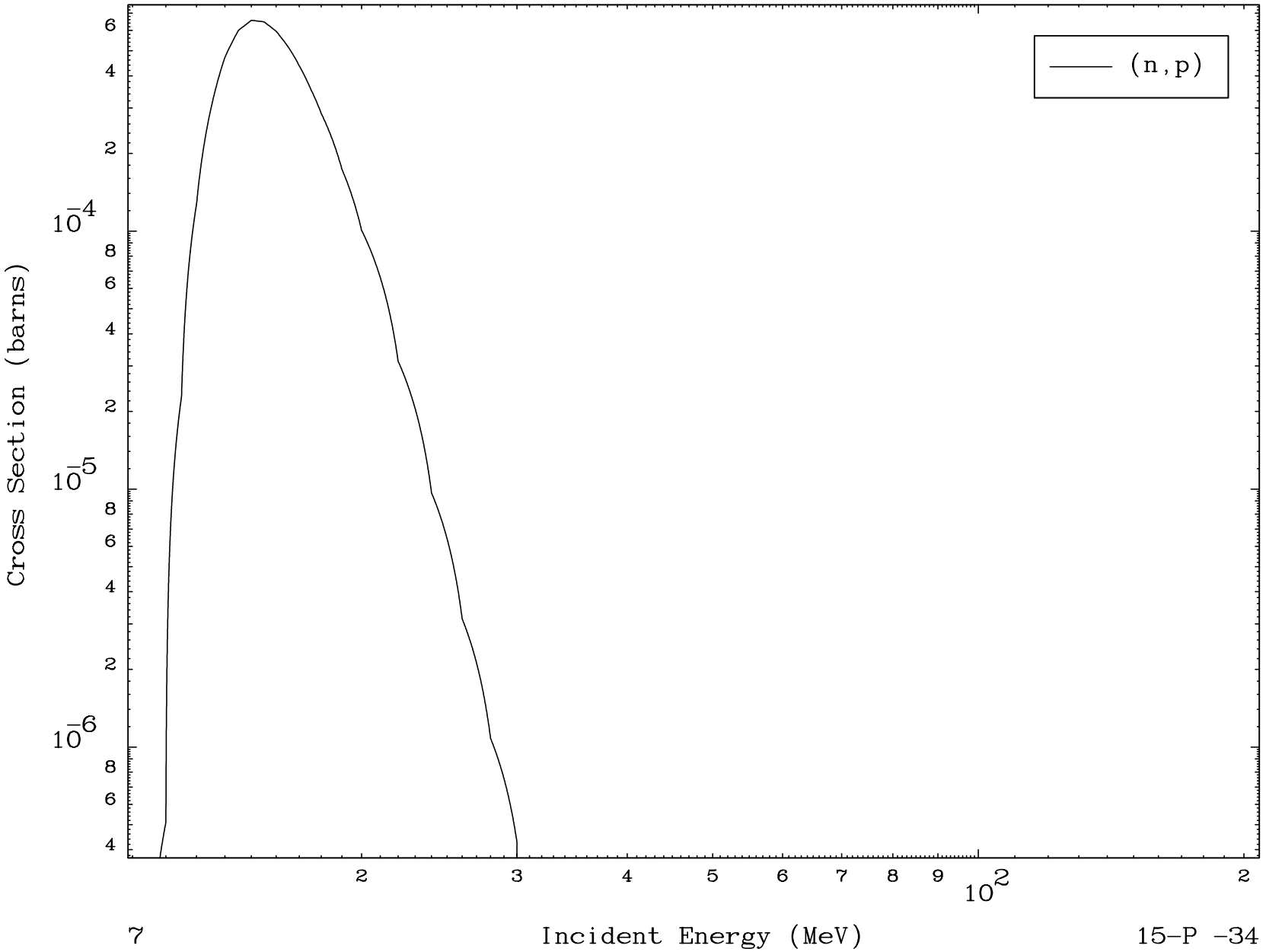

MAT 1534
Photon Neutron Absorption
0 Kelvin Cross Sections
15-P -34
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
15-P -34
2


MAT 1534
Photon Neutron Absorption
0 Kelvin Cross Sections
15-P -34
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,p) α
(n,d) α
2
3
4
5
6
7
8
9
10^2
2
3
Incident Energy (MeV)
15-P -34


MAT 1534
Photon Charged Particle
0 Kelvin Cross Sections
15-P -34
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
15-P -34

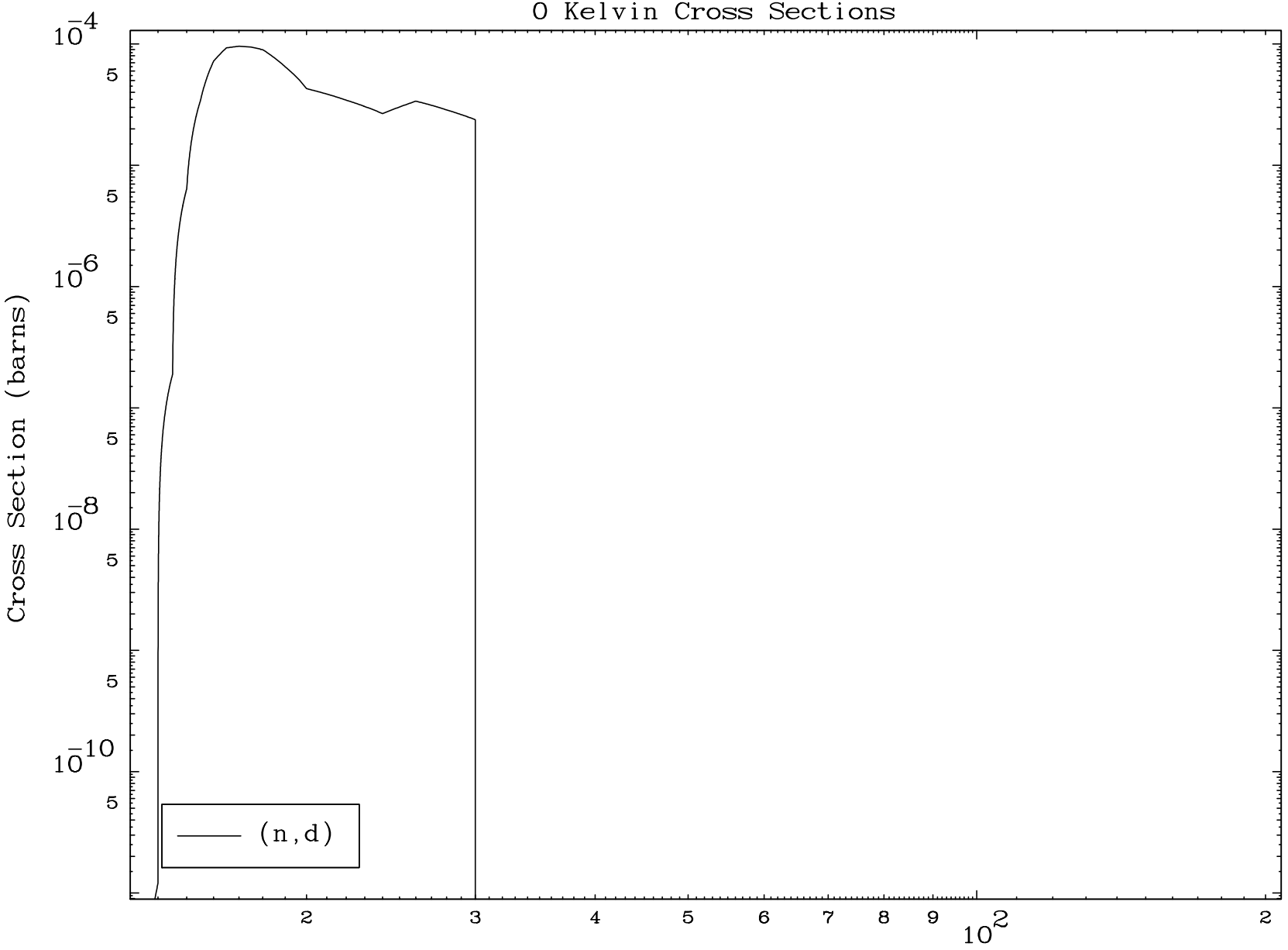

MAT 1534
Photon Charged Particle
0 Kelvin Cross Sections
15-P -34
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,p) α
(n,d) α

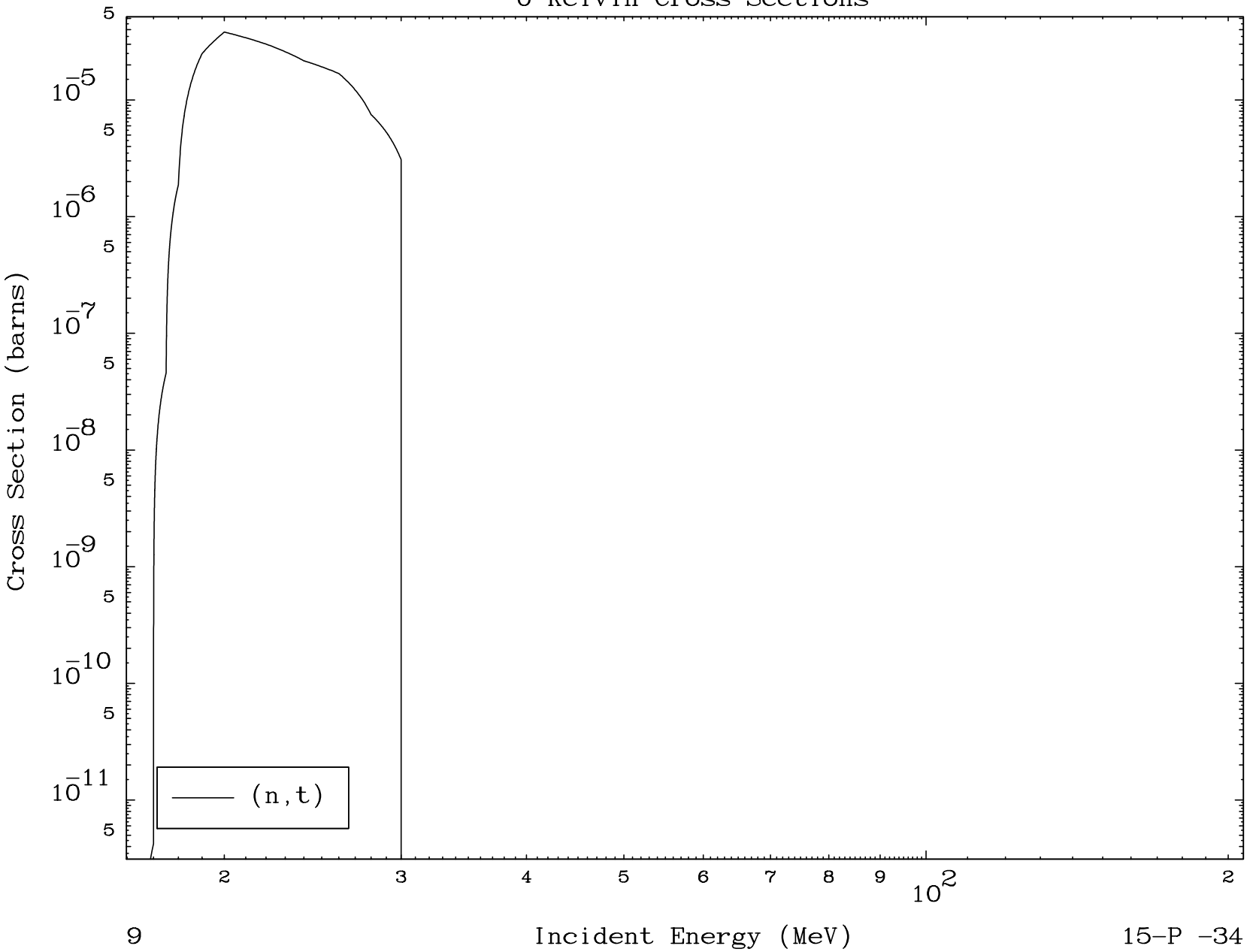

MAT 1534
(γ,n') Levels
15-P -34
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
15-P -34
6

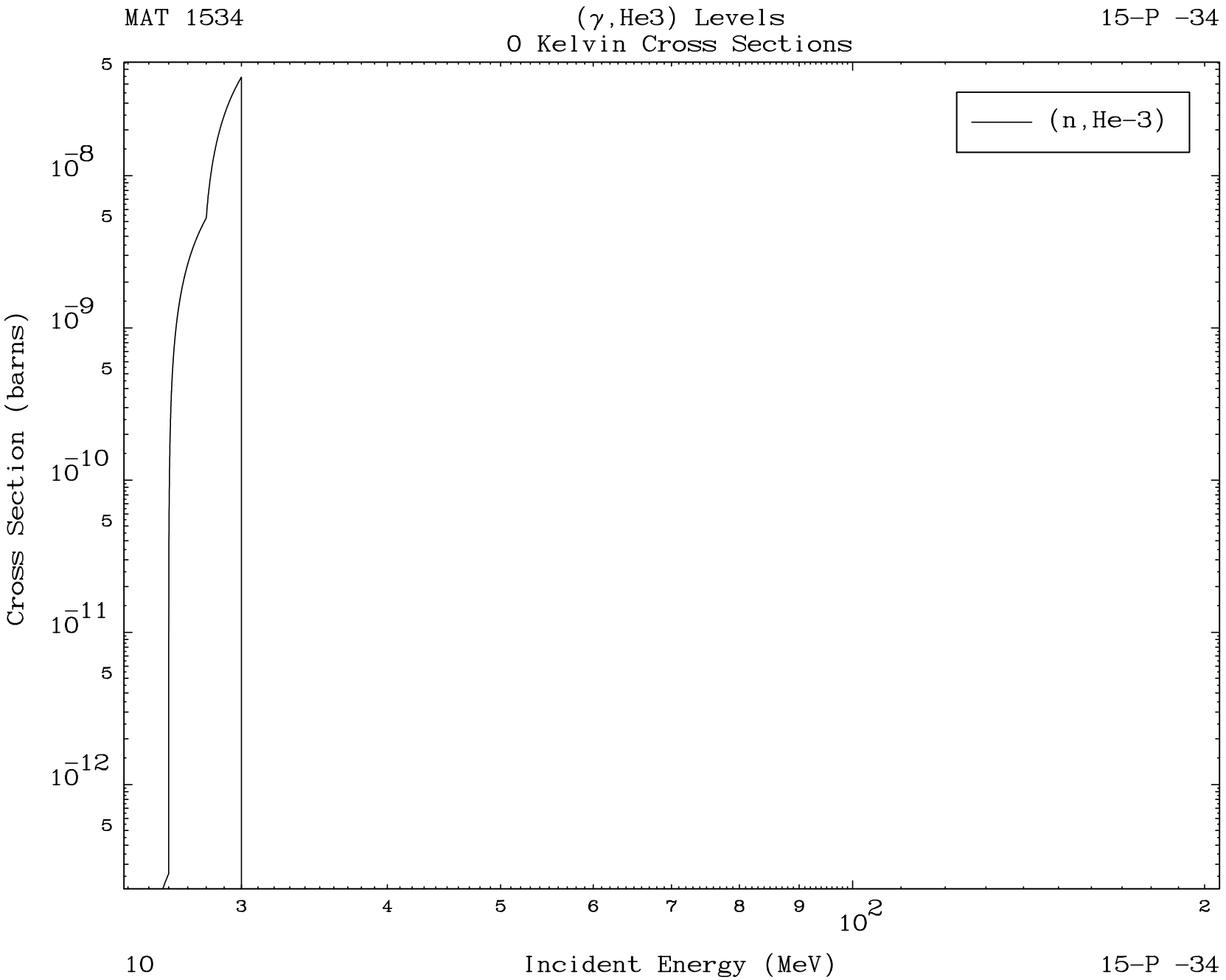

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
6
4
2
10-4
8
6
4
2
10-5
8
6
4
2
10-6
8
6
4
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

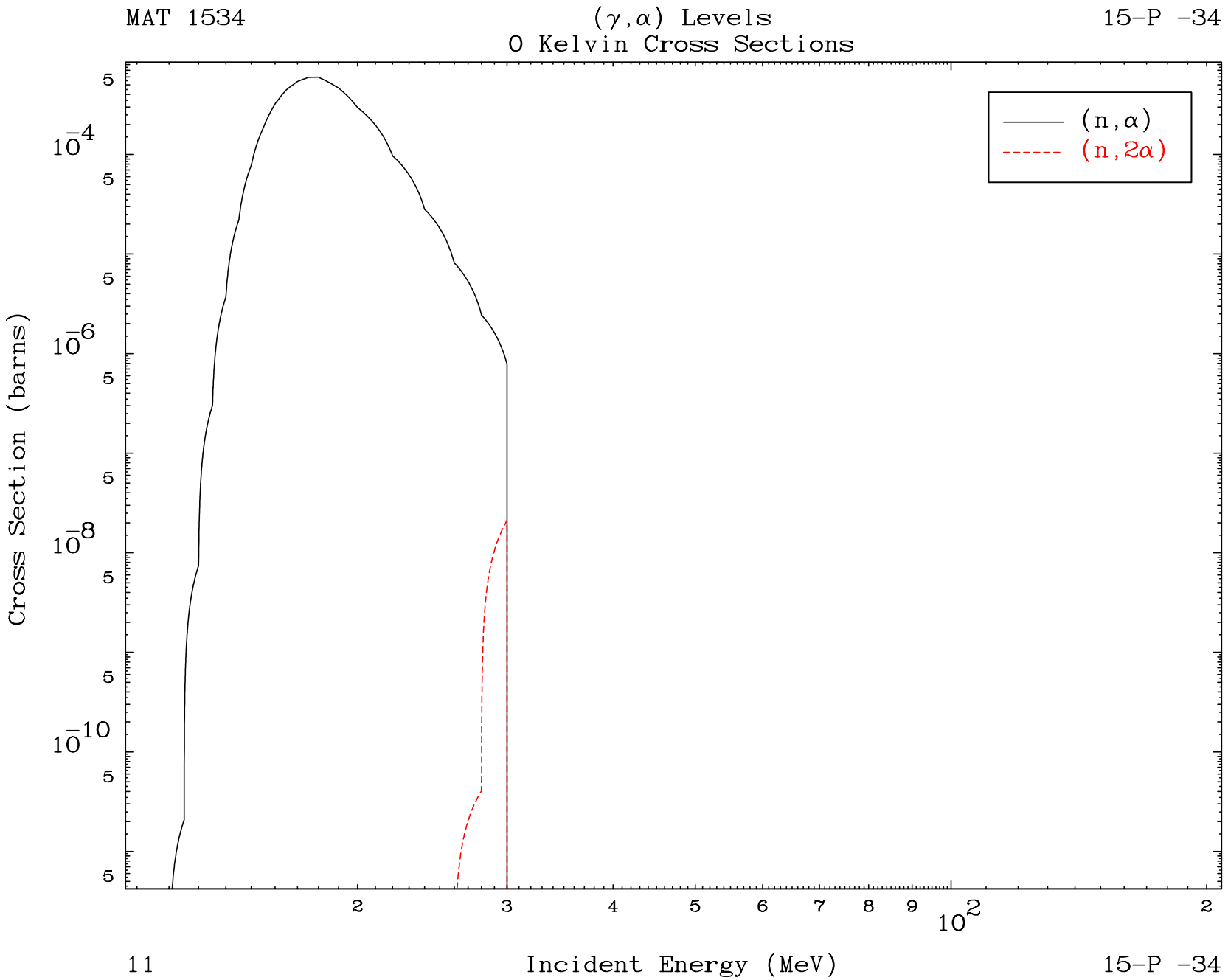
(γ,d) Levels

0 Kelvin Cross Sections




0 Kelvin Cross Sections
Cross Section (barns)
5
10-5
5
10-6
5
10-7
5
10-8
5
10-9
5
10-10
5
10-11
5
(n,t)
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 1534
(γ,He3) Levels
15-P -34
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
5
10-8
5
10-9
5
10-10
5
10-11
5
10-12
5
10
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
15-P -34


MAT 1534
(γ,α) Levels
15-P -34
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
11
Incident Energy (MeV)
15-P -34