Program EVALPLOT
(Version 2021-1)
by
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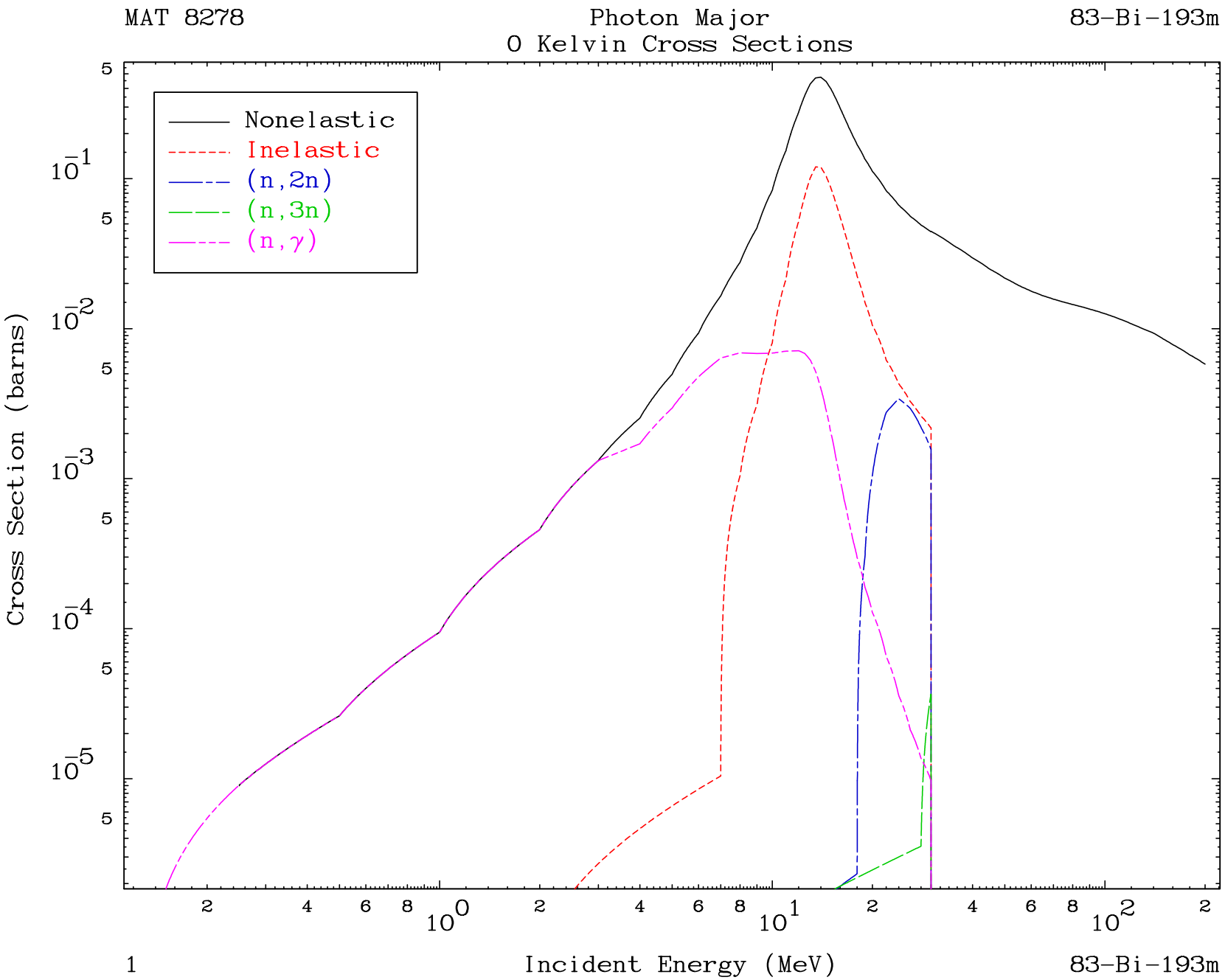
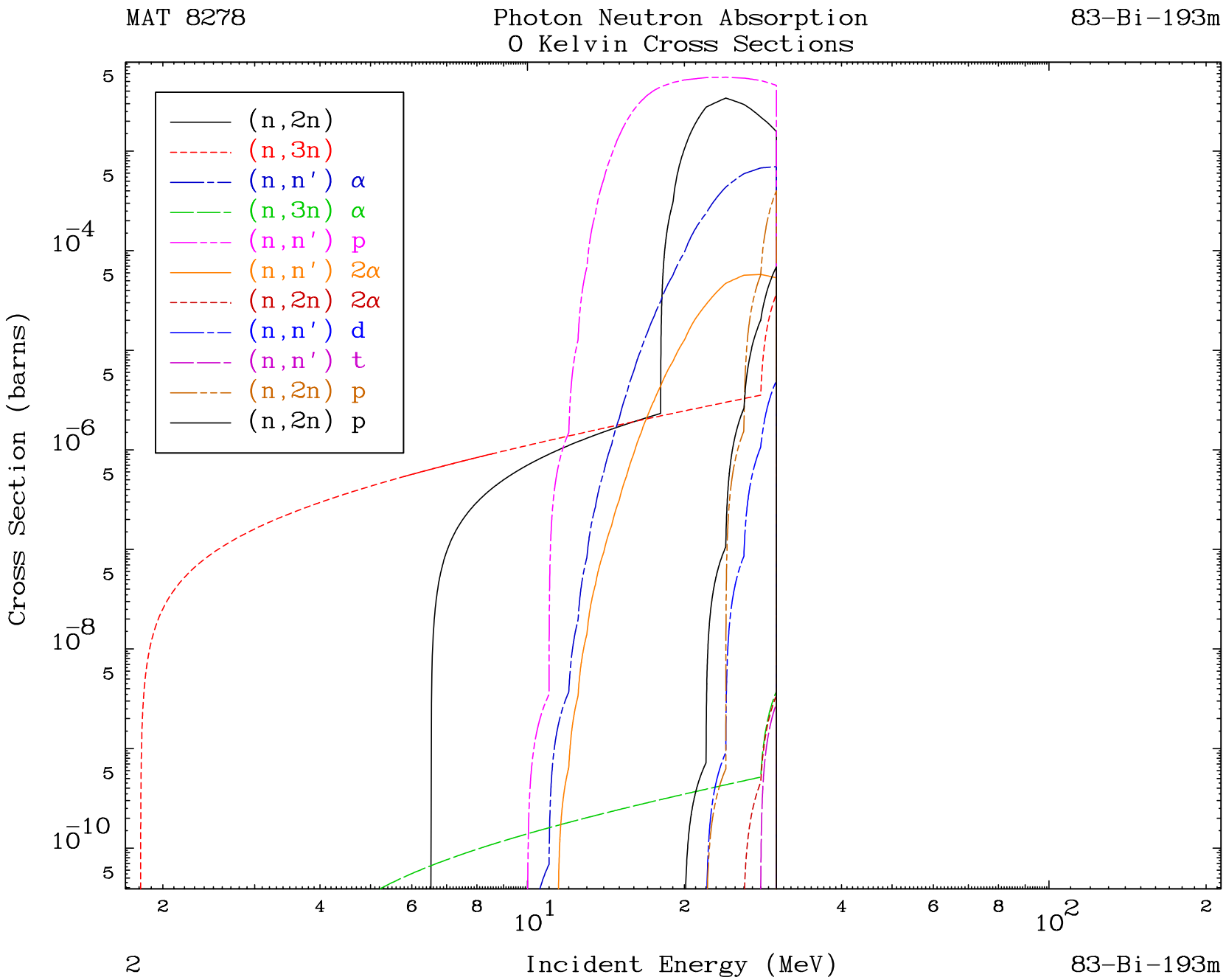
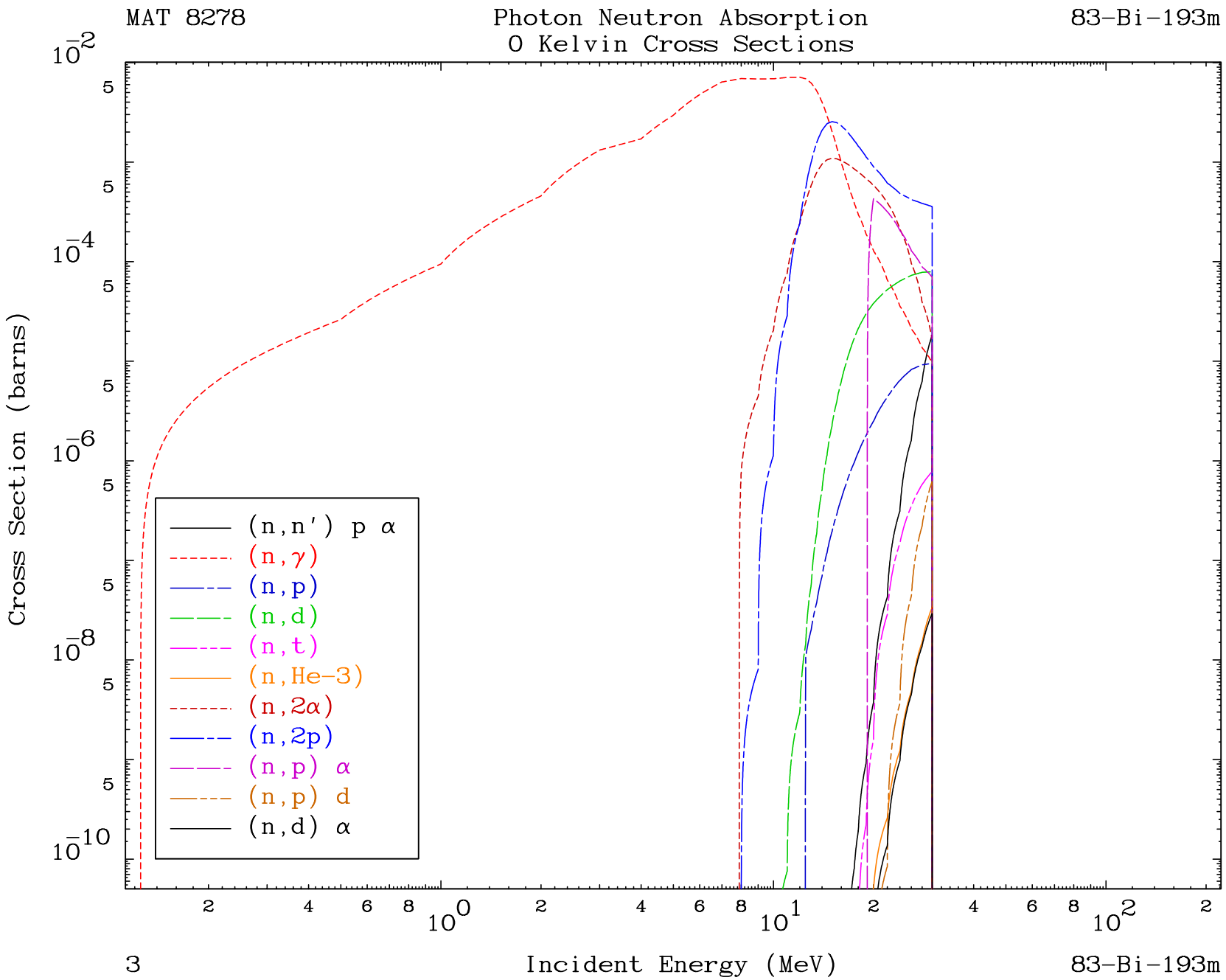
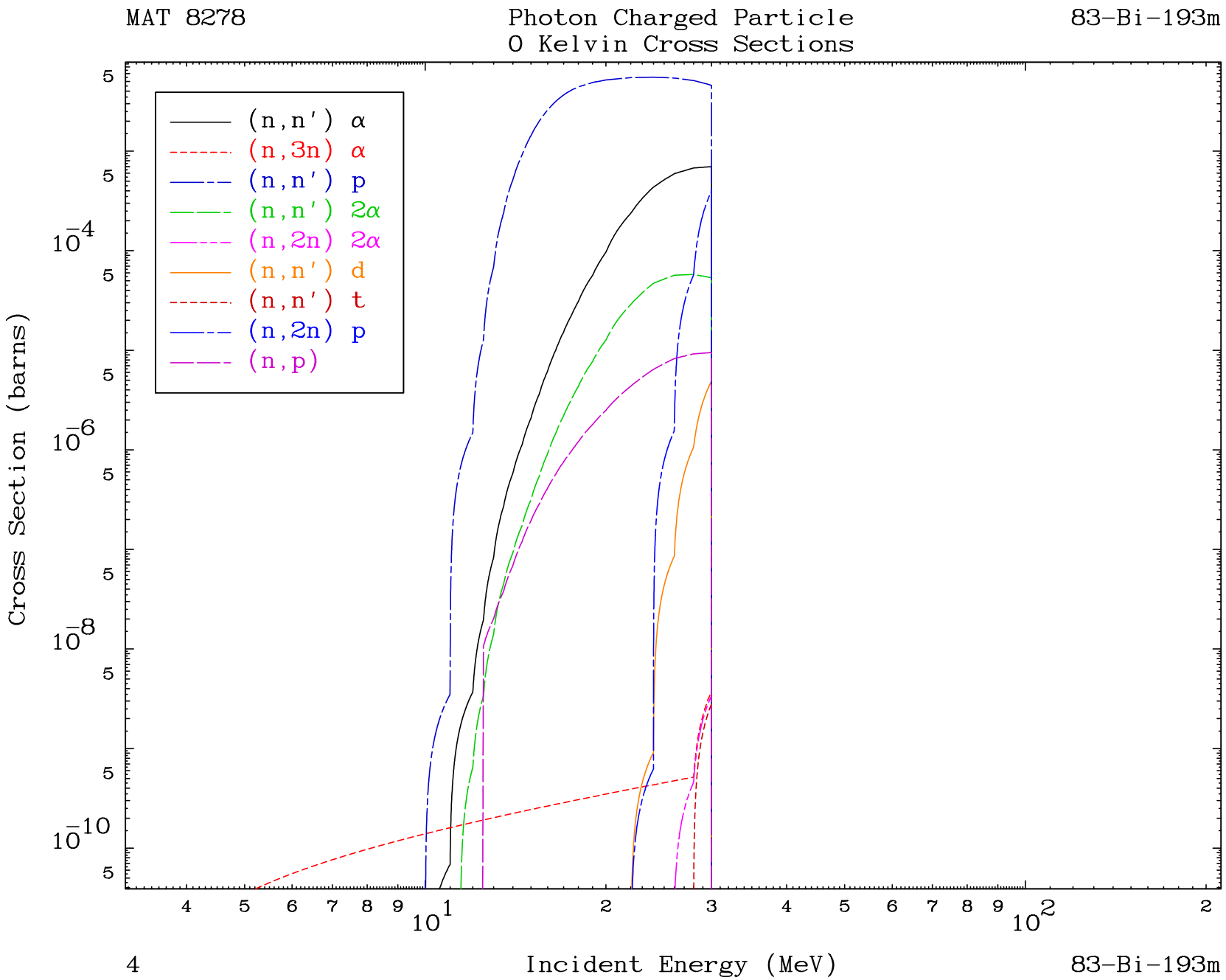
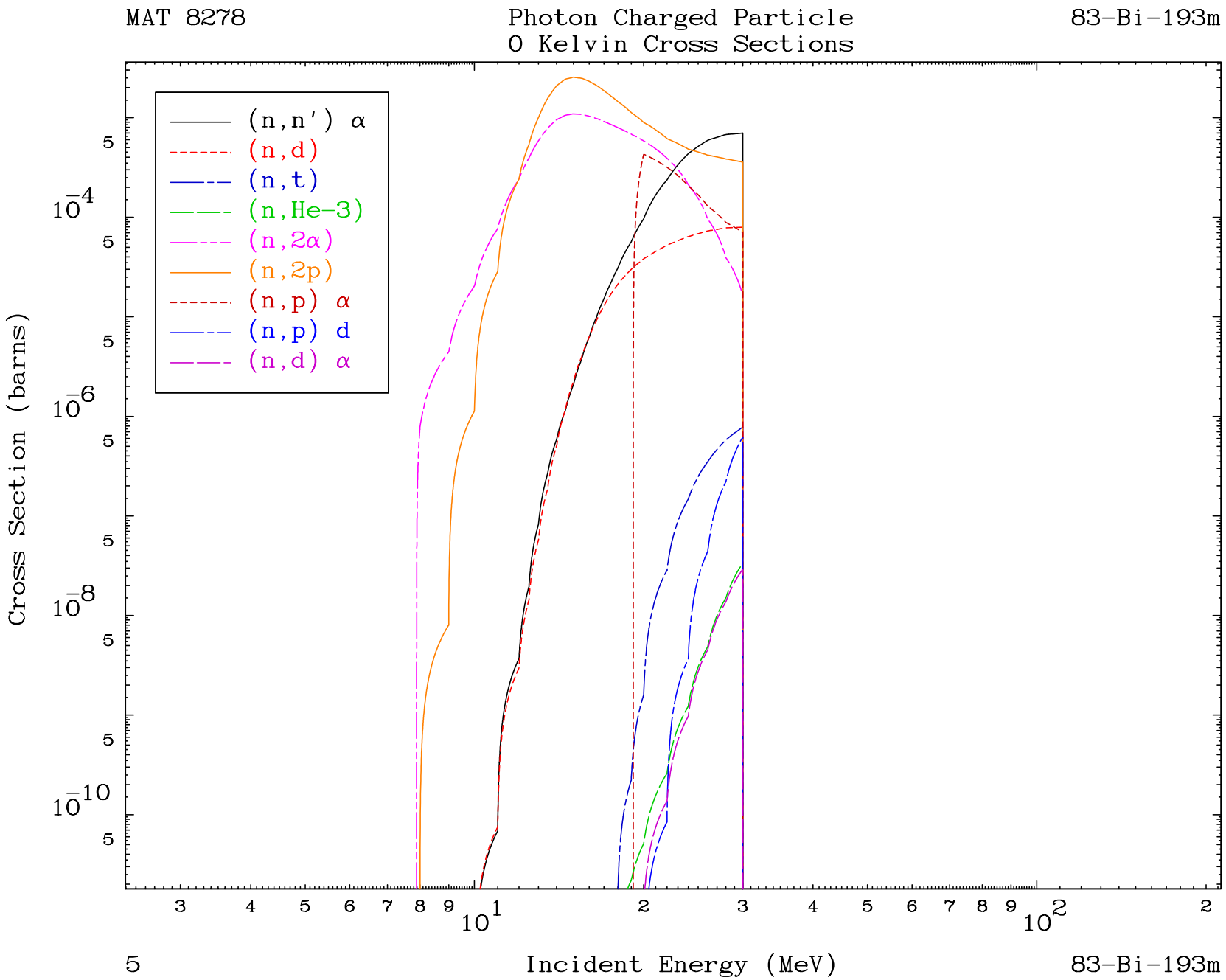
Press Mouse Button to Start

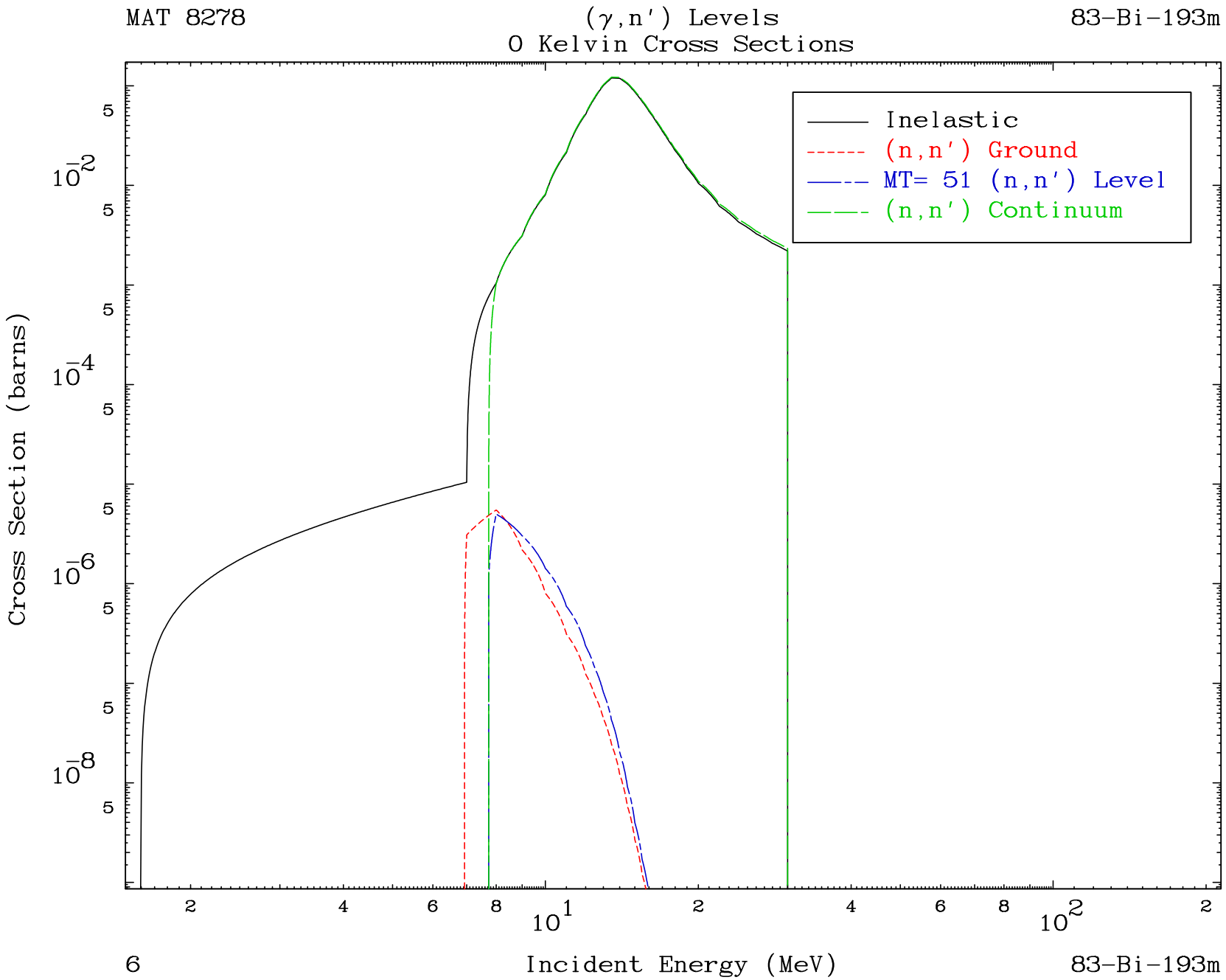

MAT 8278
Photon Major
83-Bi-193m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-193m

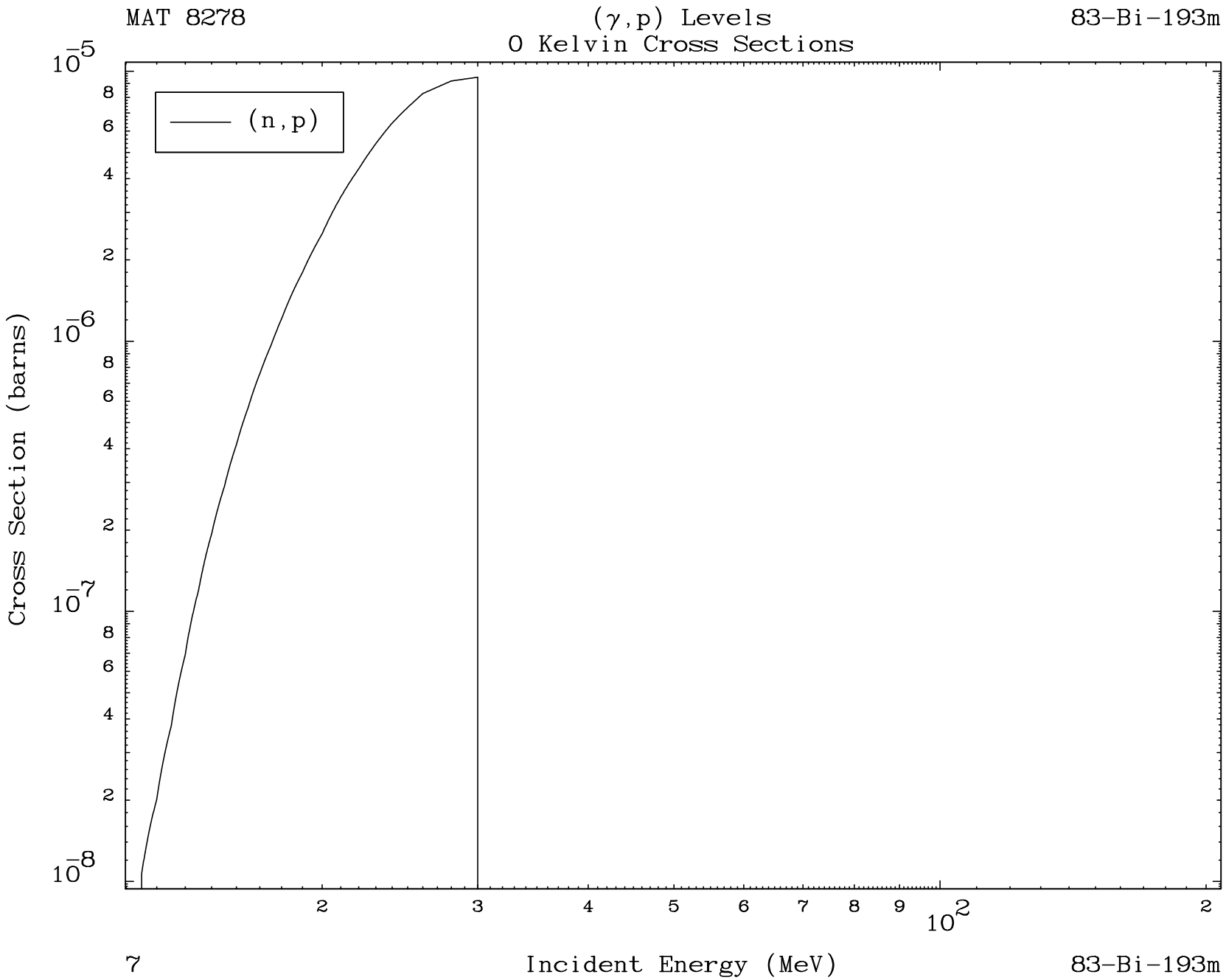

MAT 8278
Photon Neutron Absorption
0 Kelvin Cross Sections
83-Bi-193m
(n,2n)
(n,3n)
(n,n') α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
83-Bi-193m

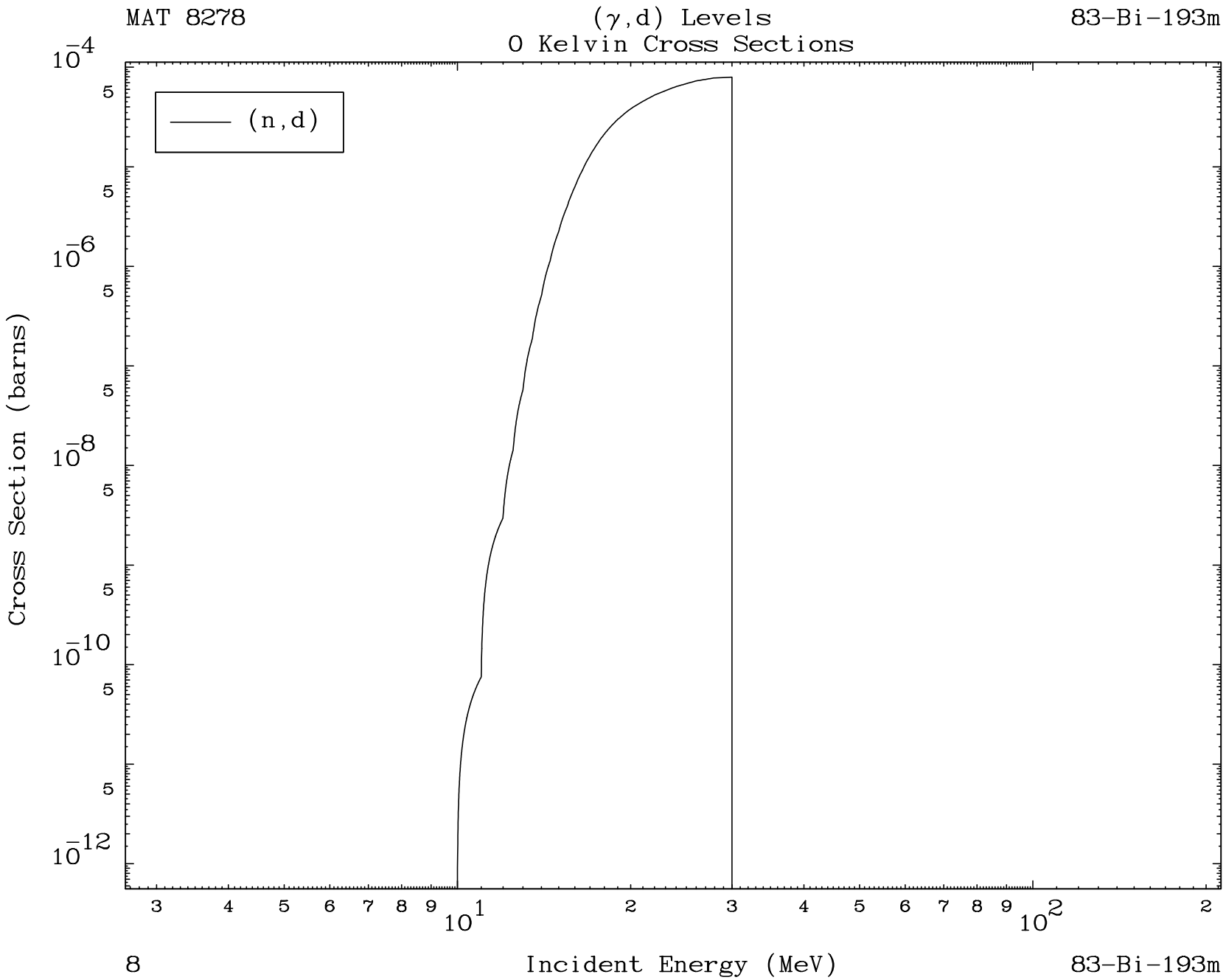

MAT 8278
Photon Neutron Absorption
0 Kelvin Cross Sections
83-Bi-193m
Cross Section (barns)
Incident Energy (MeV)
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
3
83-Bi-193m

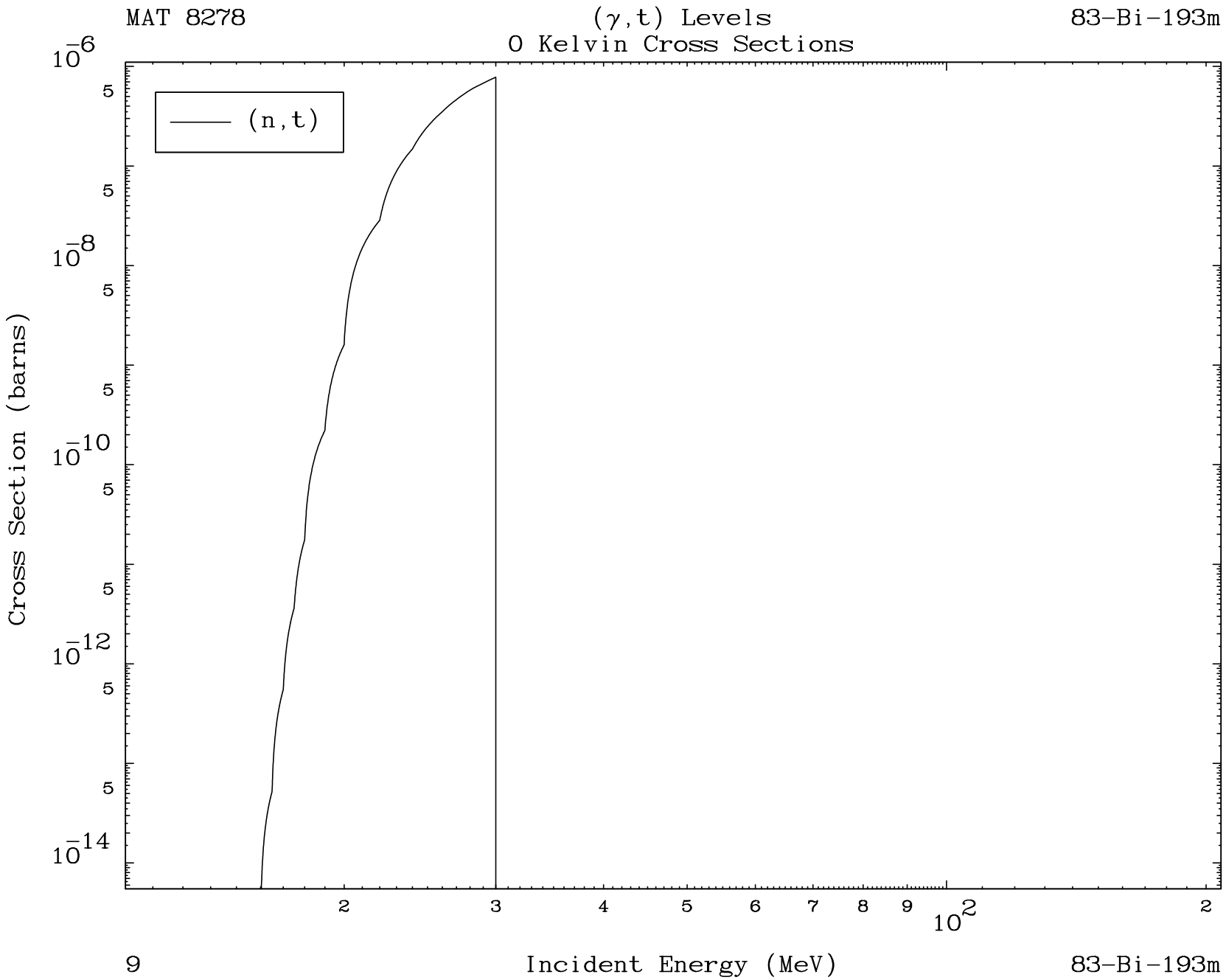

MAT 8278
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-193m
(n,n') α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-193m

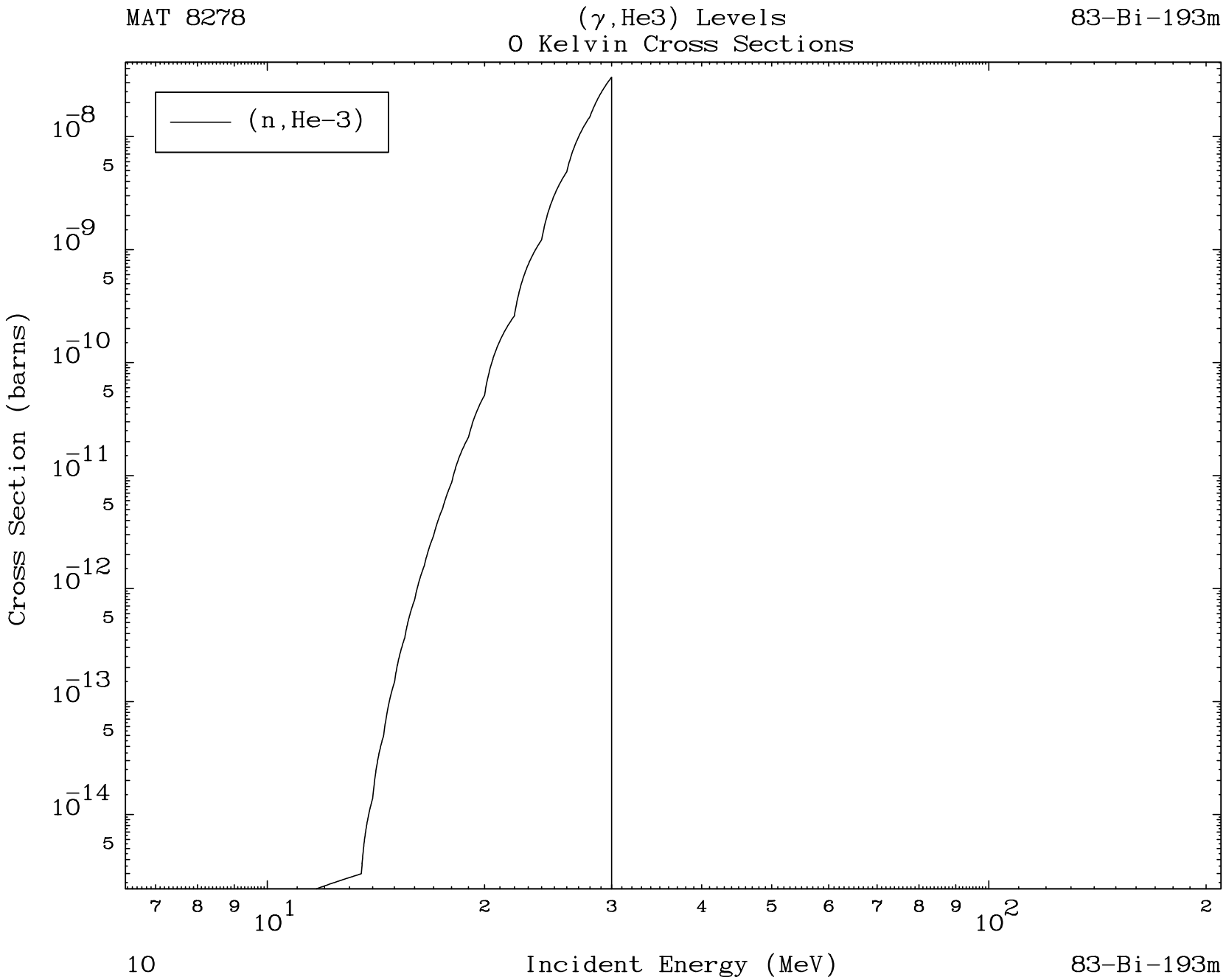

MAT 8278
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-193m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
83-Bi-193m
5

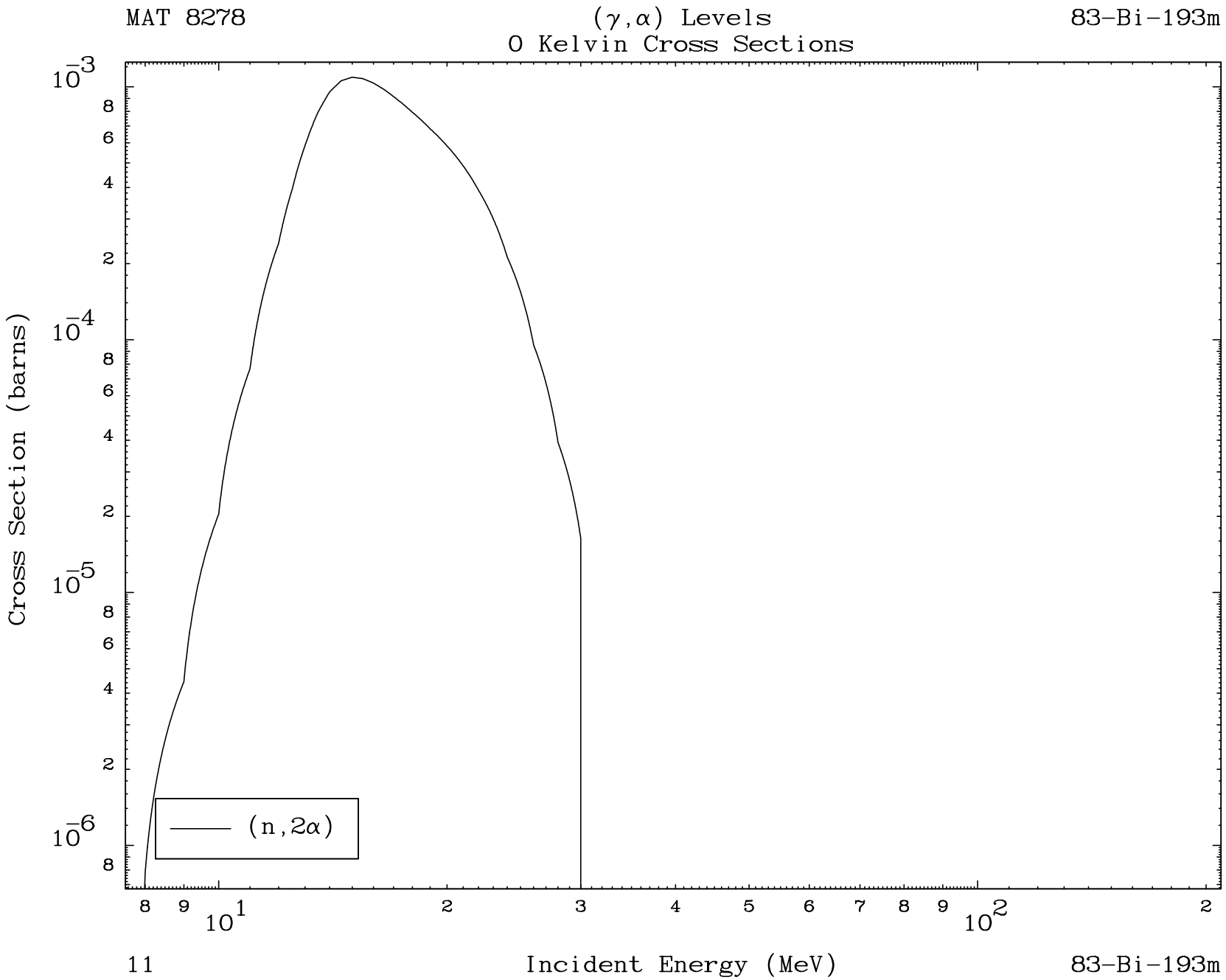

MAT 8278
(γ,n') Levels
0 Kelvin Cross Sections
83-Bi-193m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-193m

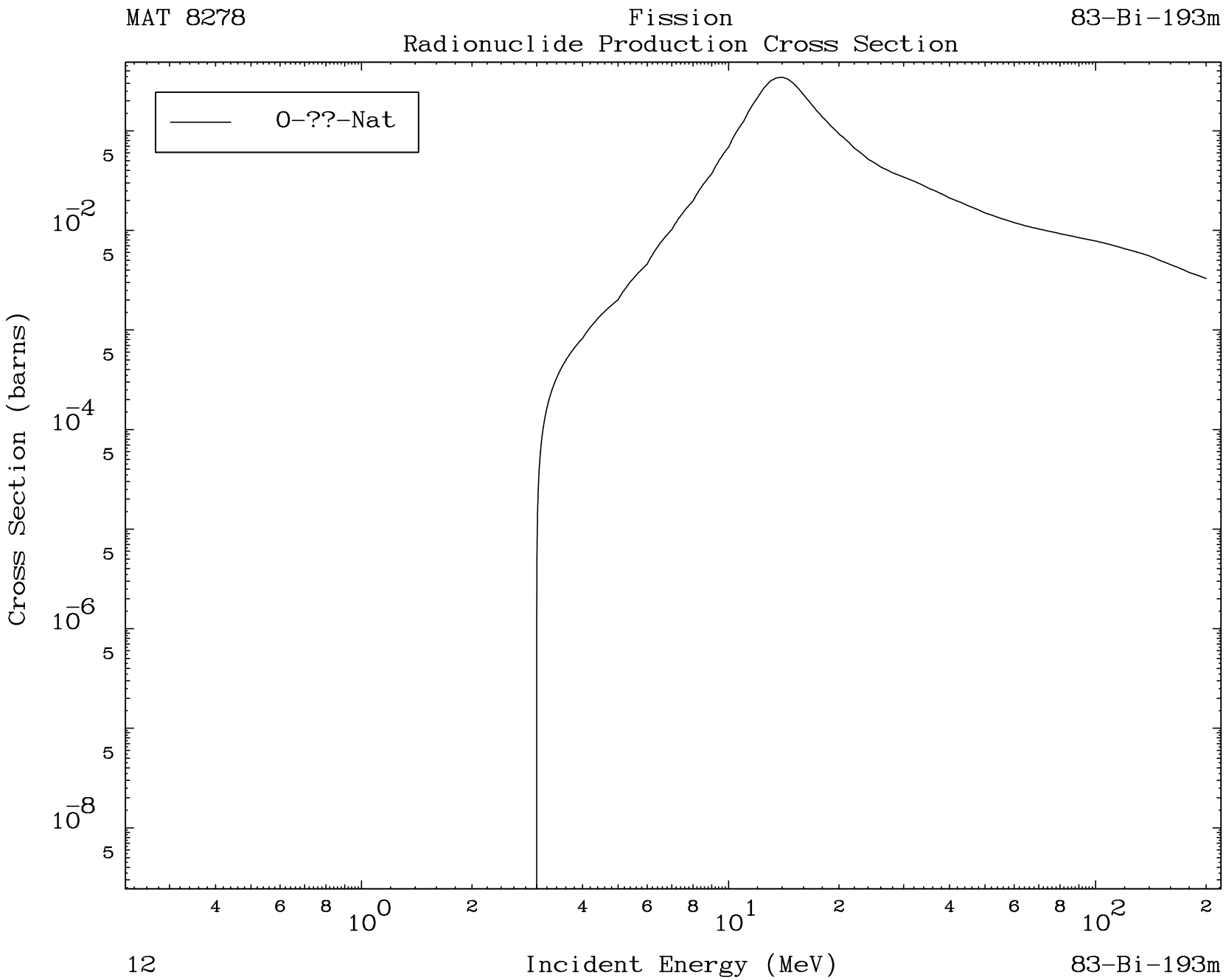

MAT 8278
(γ,p) Levels
83-Bi-193m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-5
10-6
10-7
10-8
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
83-Bi-193m

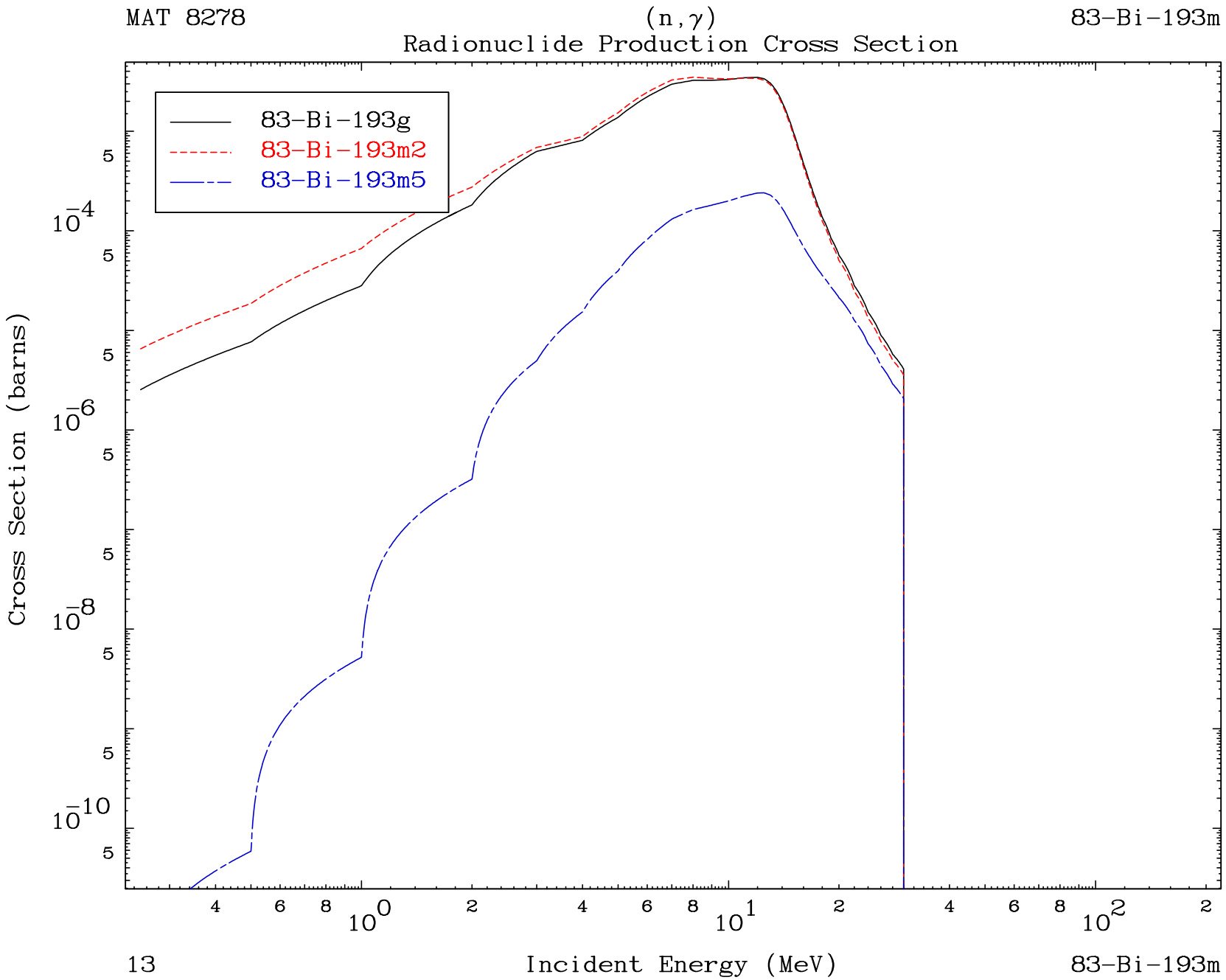

MAT 8278
(γ,d) Levels
83-Bi-193m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
83-Bi-193m


MAT 8278
(γ,t) Levels
83-Bi-193m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
83-Bi-193m


MAT 8278
(γ,He3) Levels
83-Bi-193m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-9
10^-10
10^-11
10^-12
10^-13
10^-14
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
83-Bi-193m


MAT 8278
(γ,α) Levels
83-Bi-193m
0 Kelvin Cross Sections
Cross Section (barns)
10-3
10-4
10-5
10-6
(n,2α)
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
11
Incident Energy (MeV)
83-Bi-193m


MAT 8278
Fission
83-Bi-193m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
83-Bi-193m


MAT 8278
(n,γ)
83-Bi-193m
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m2
83-Bi-193m5
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
83-Bi-193m