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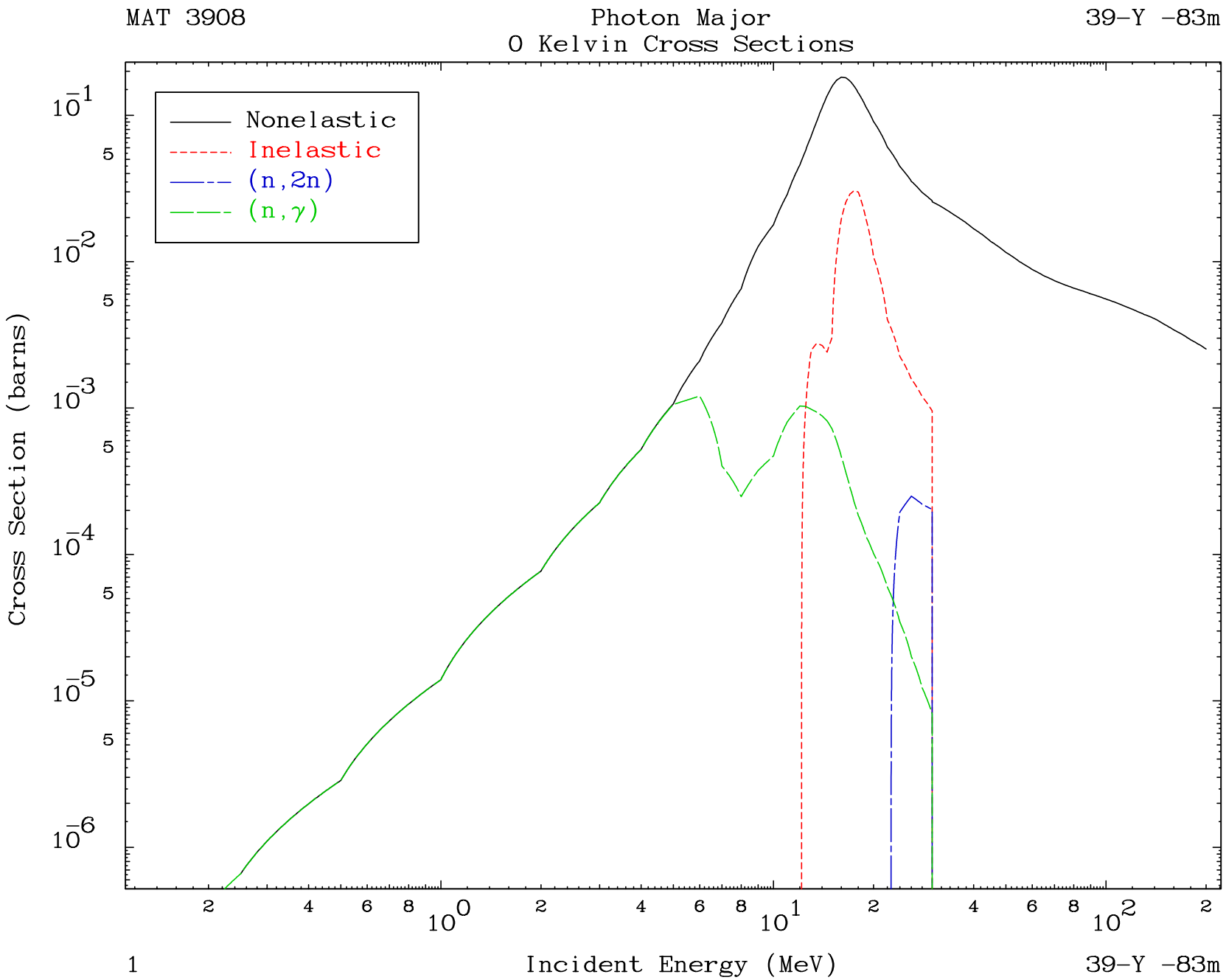
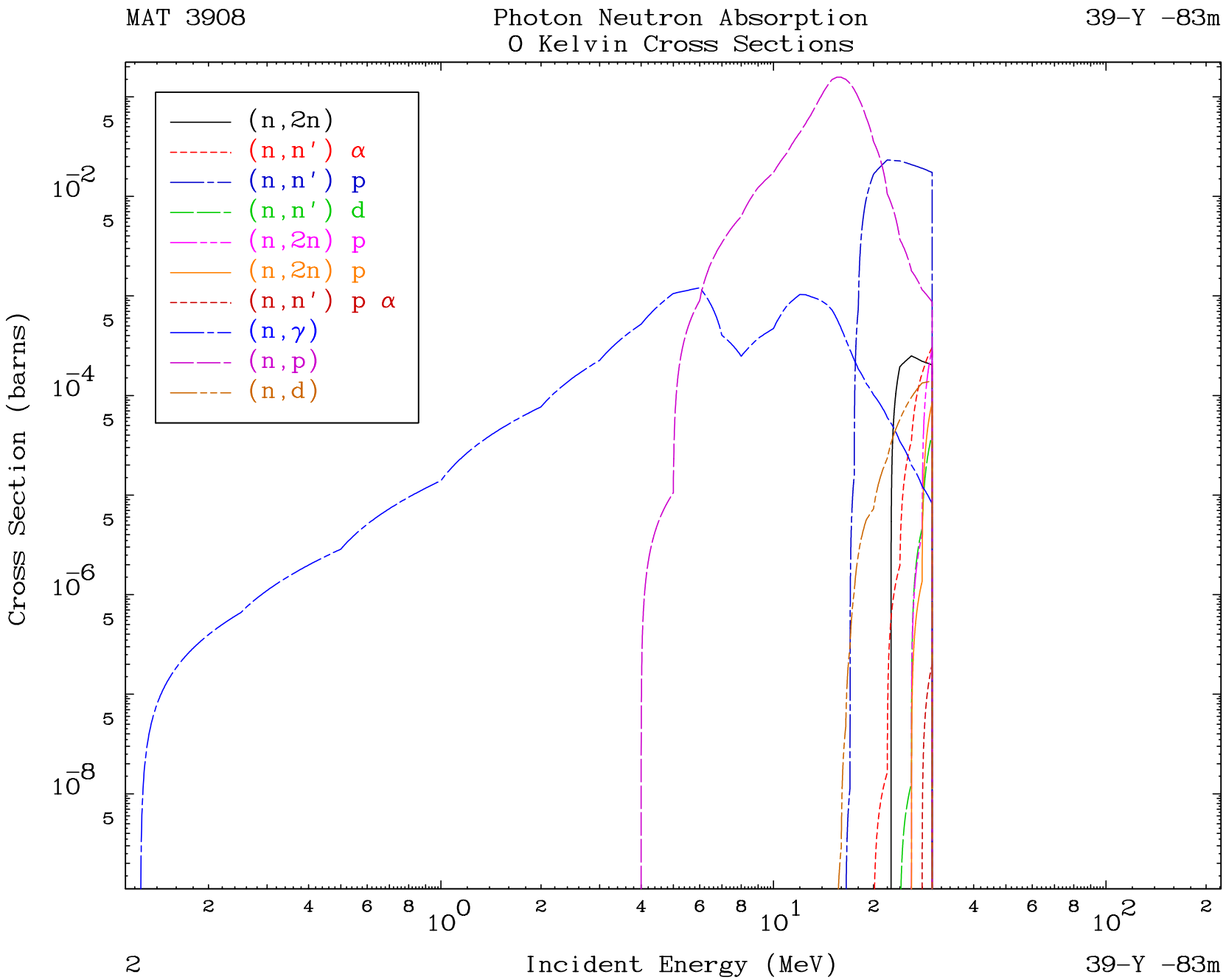
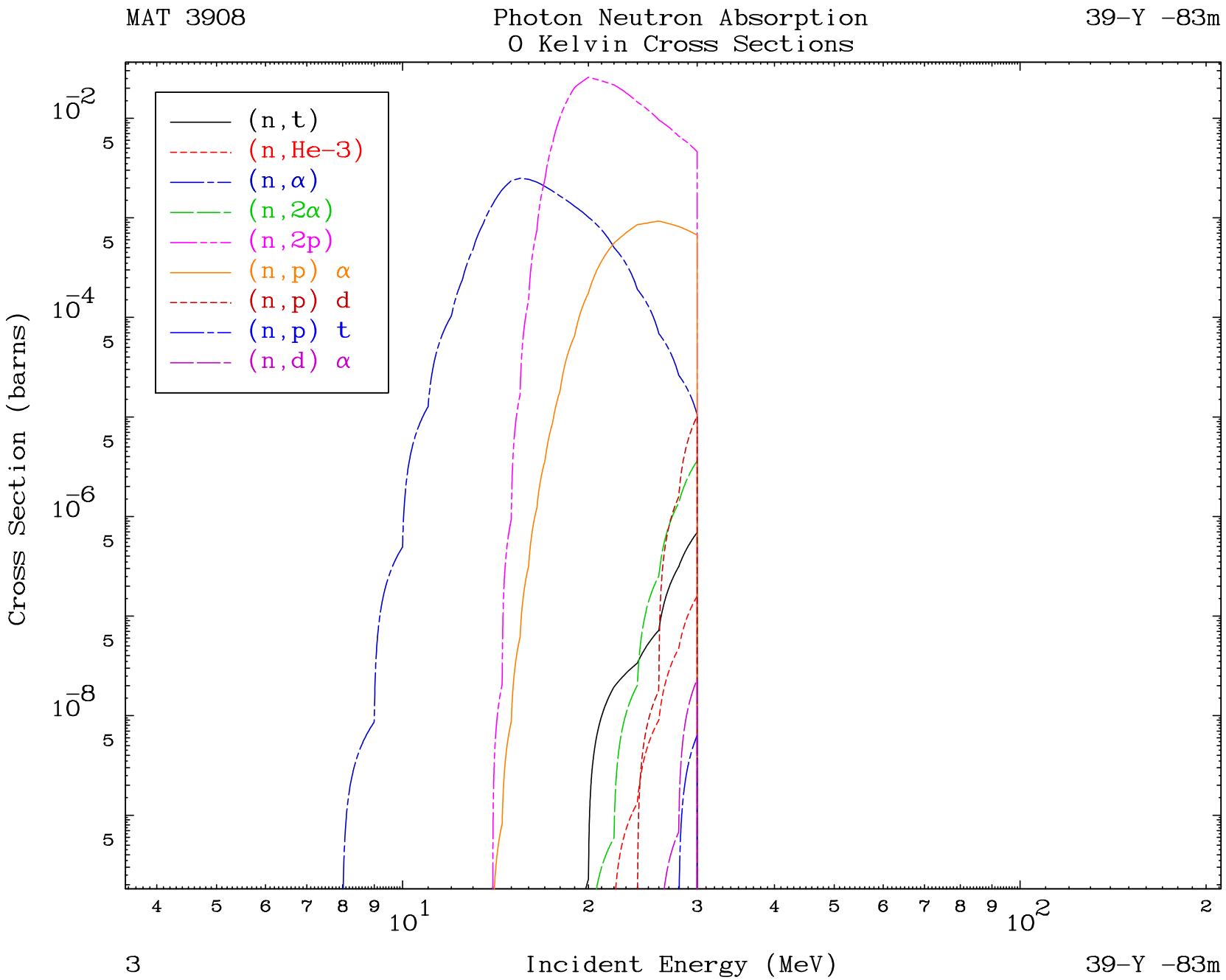
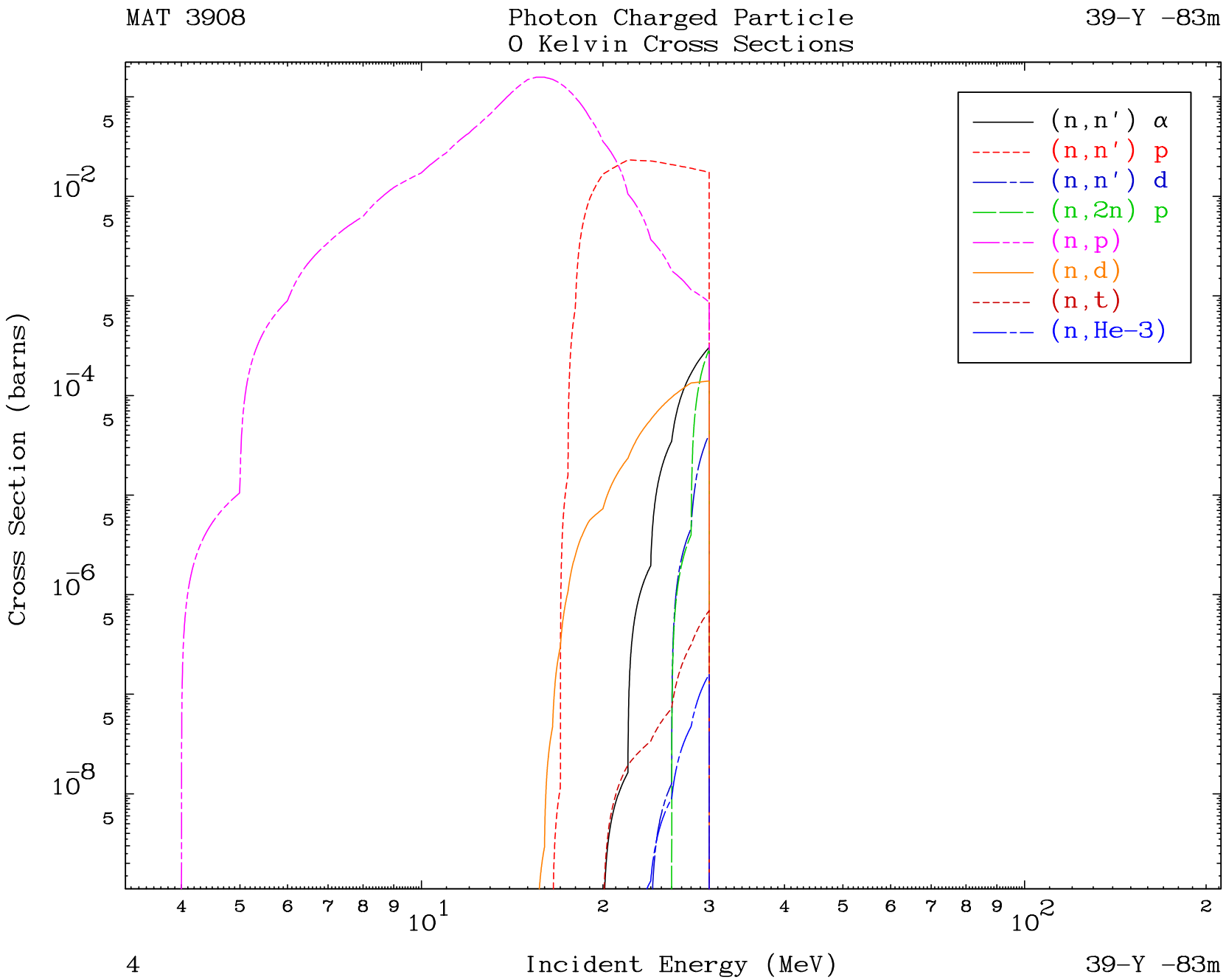
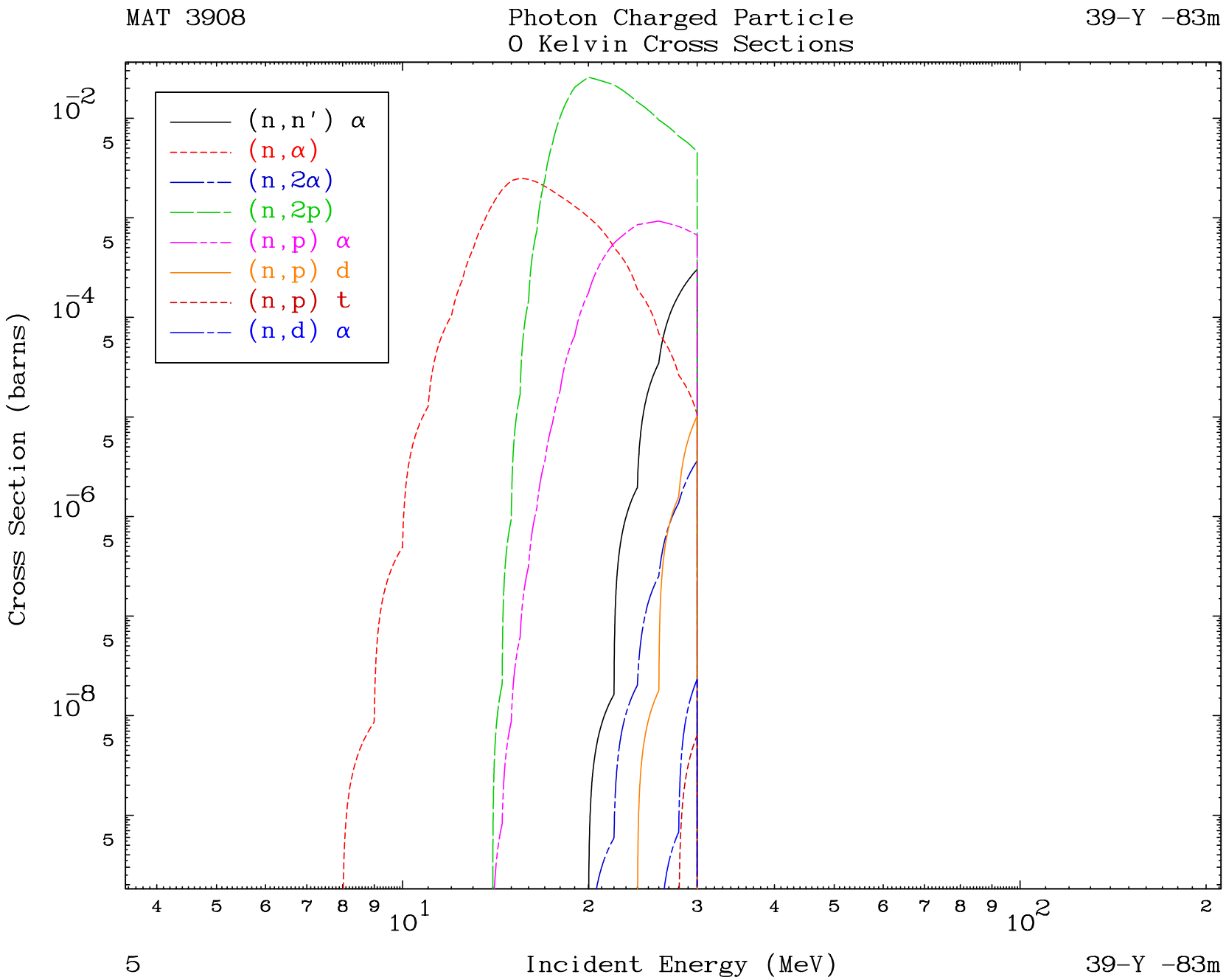
Press Mouse Button to Start

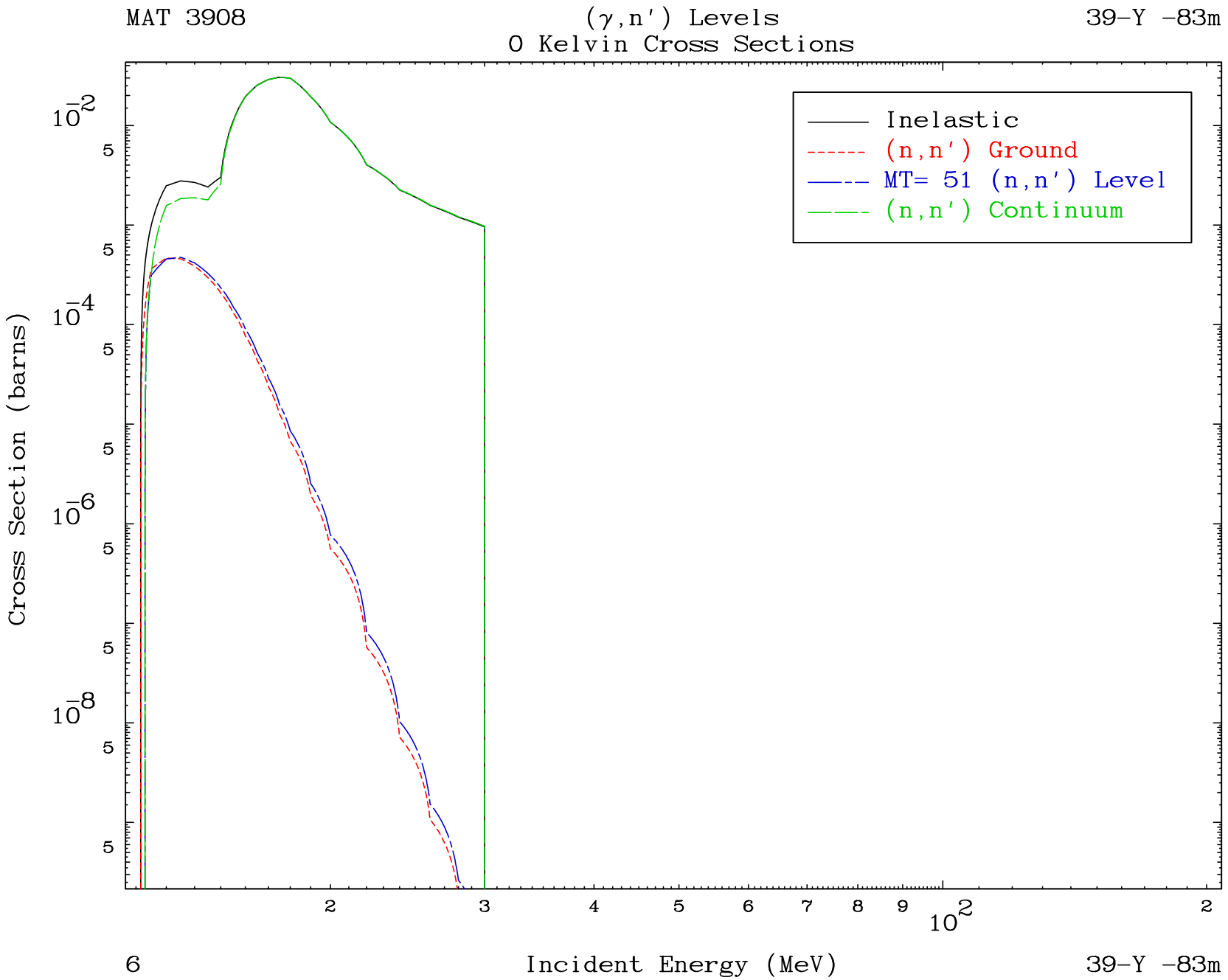

MAT 3908
Photon Major
39-Y -83m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
39-Y -83m

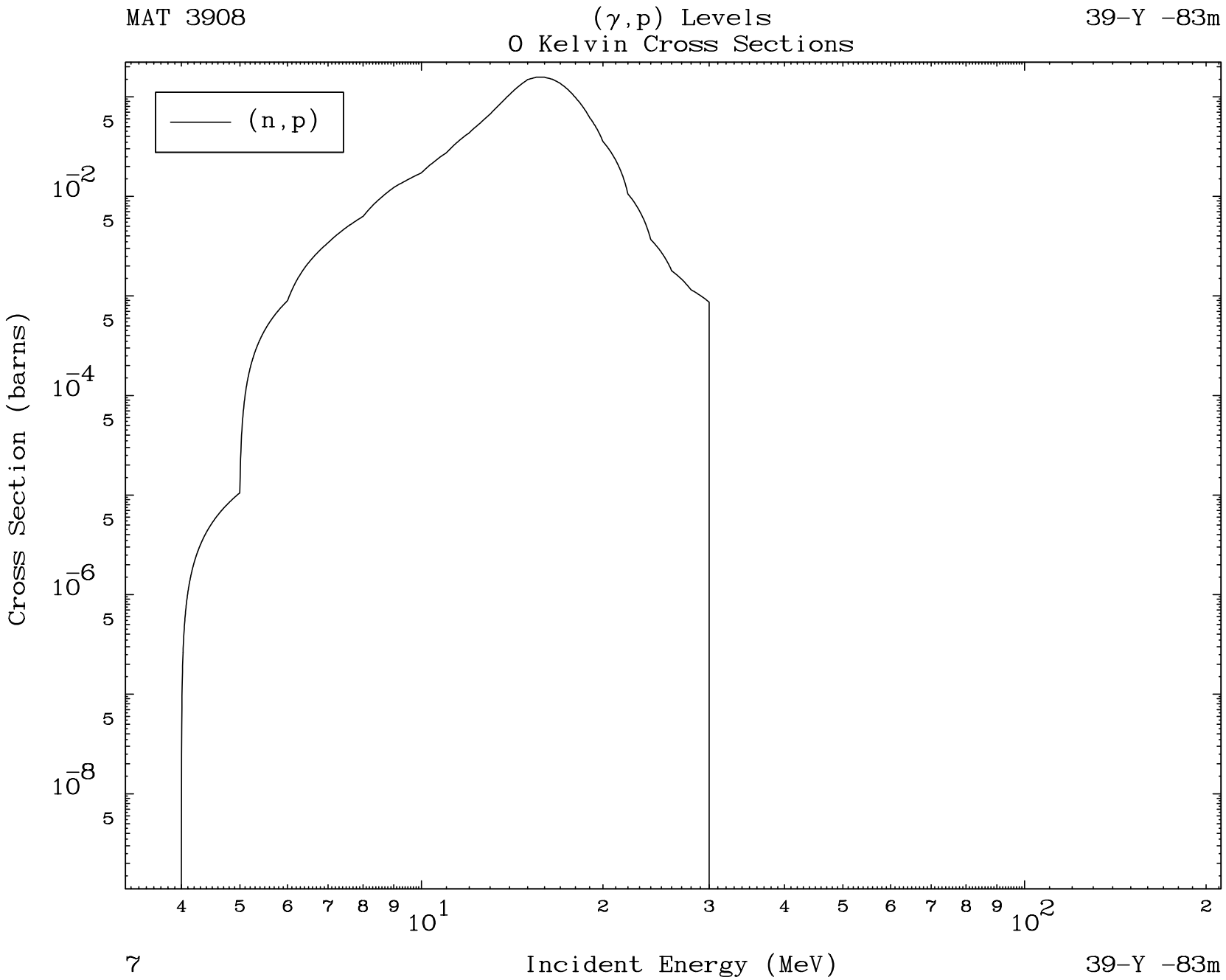

MAT 3908
Photon Neutron Absorption
0 Kelvin Cross Sections
39-Y -83m
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
39-Y -83m
2

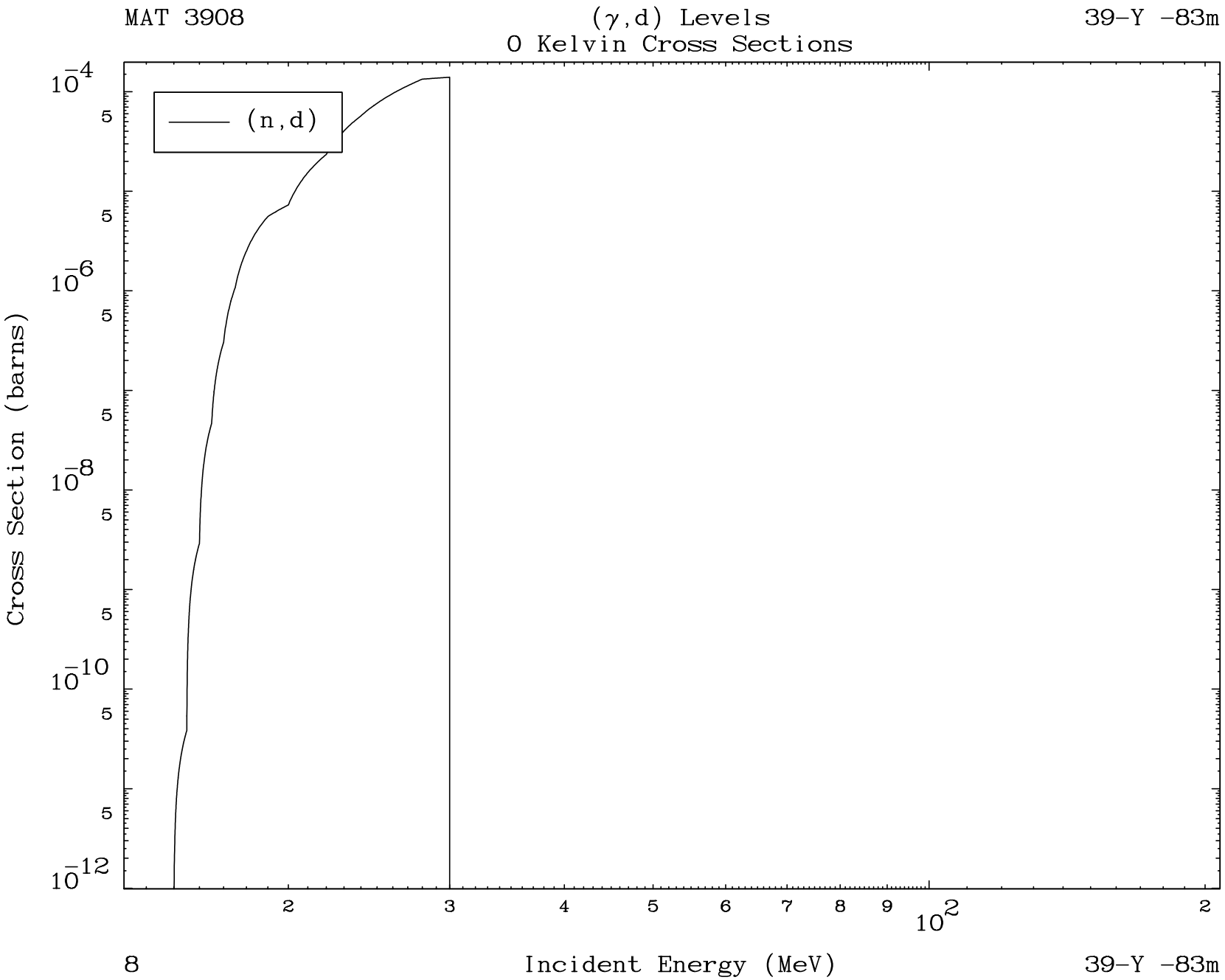

MAT 3908
Photon Neutron Absorption
0 Kelvin Cross Sections
39-Y -83m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
39-Y -83m

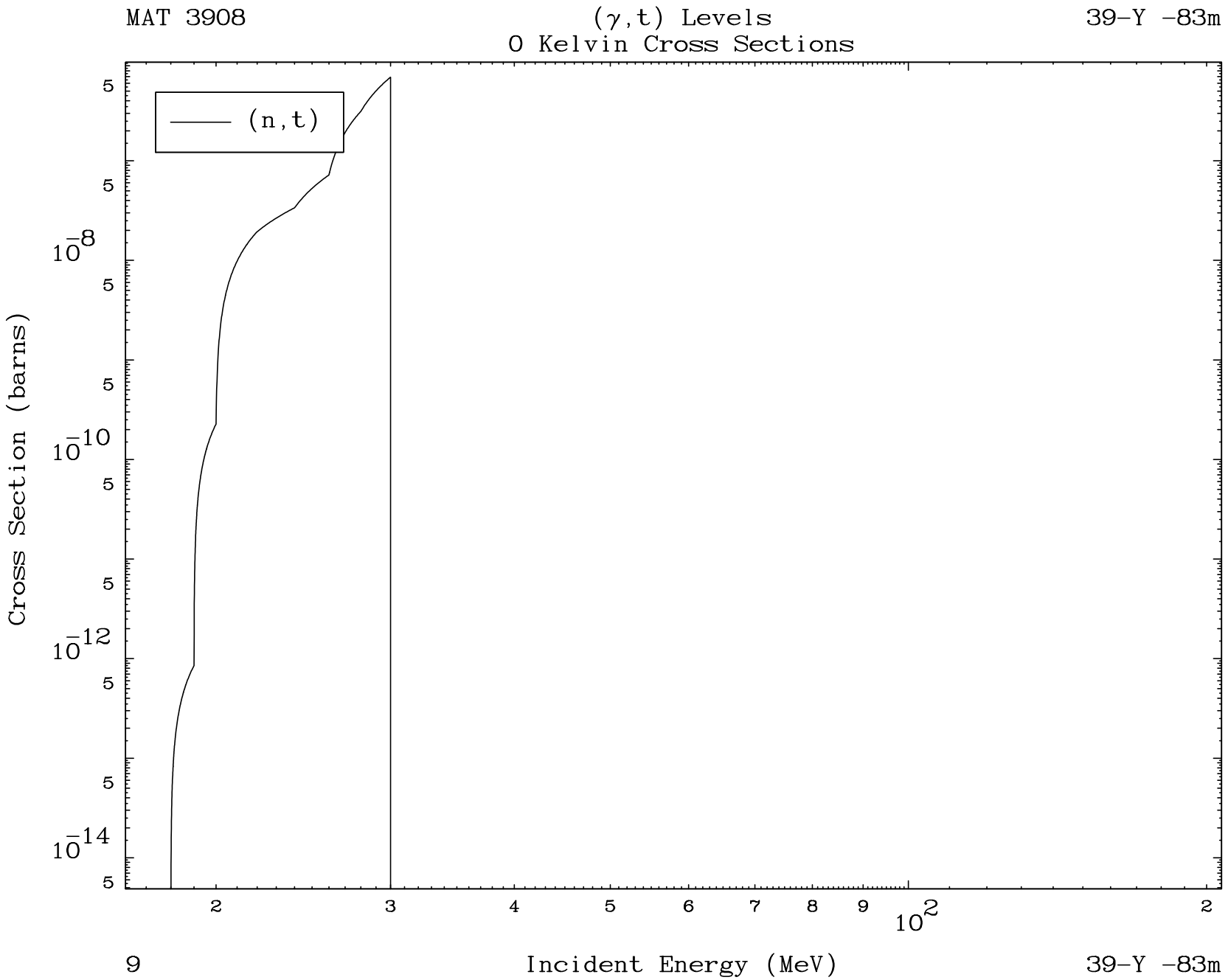

MAT 3908
Photon Charged Particle
0 Kelvin Cross Sections
39-Y -83m
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
39-Y -83m

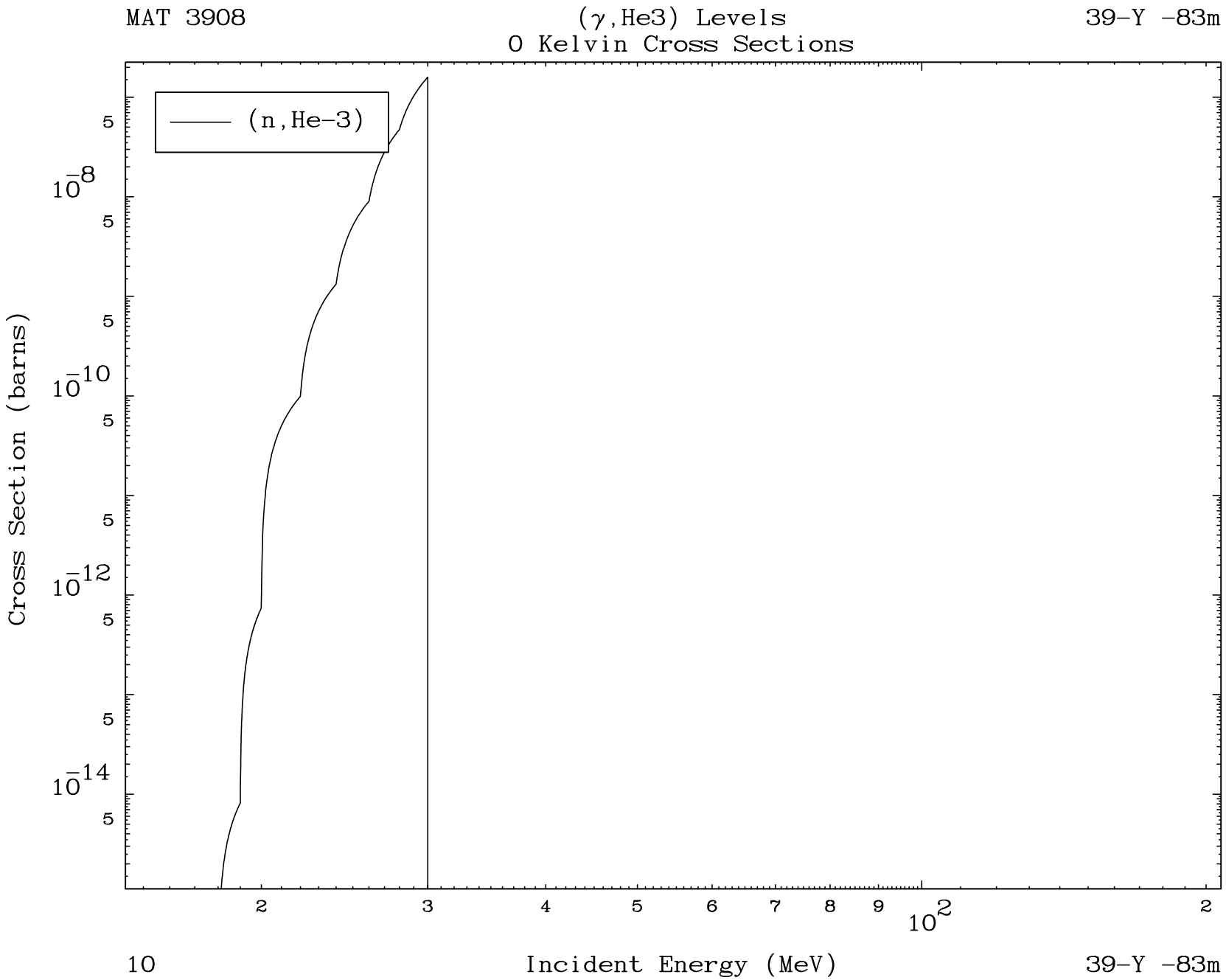

MAT 3908
Photon Charged Particle
0 Kelvin Cross Sections
39-Y -83m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
39-Y -83m
5

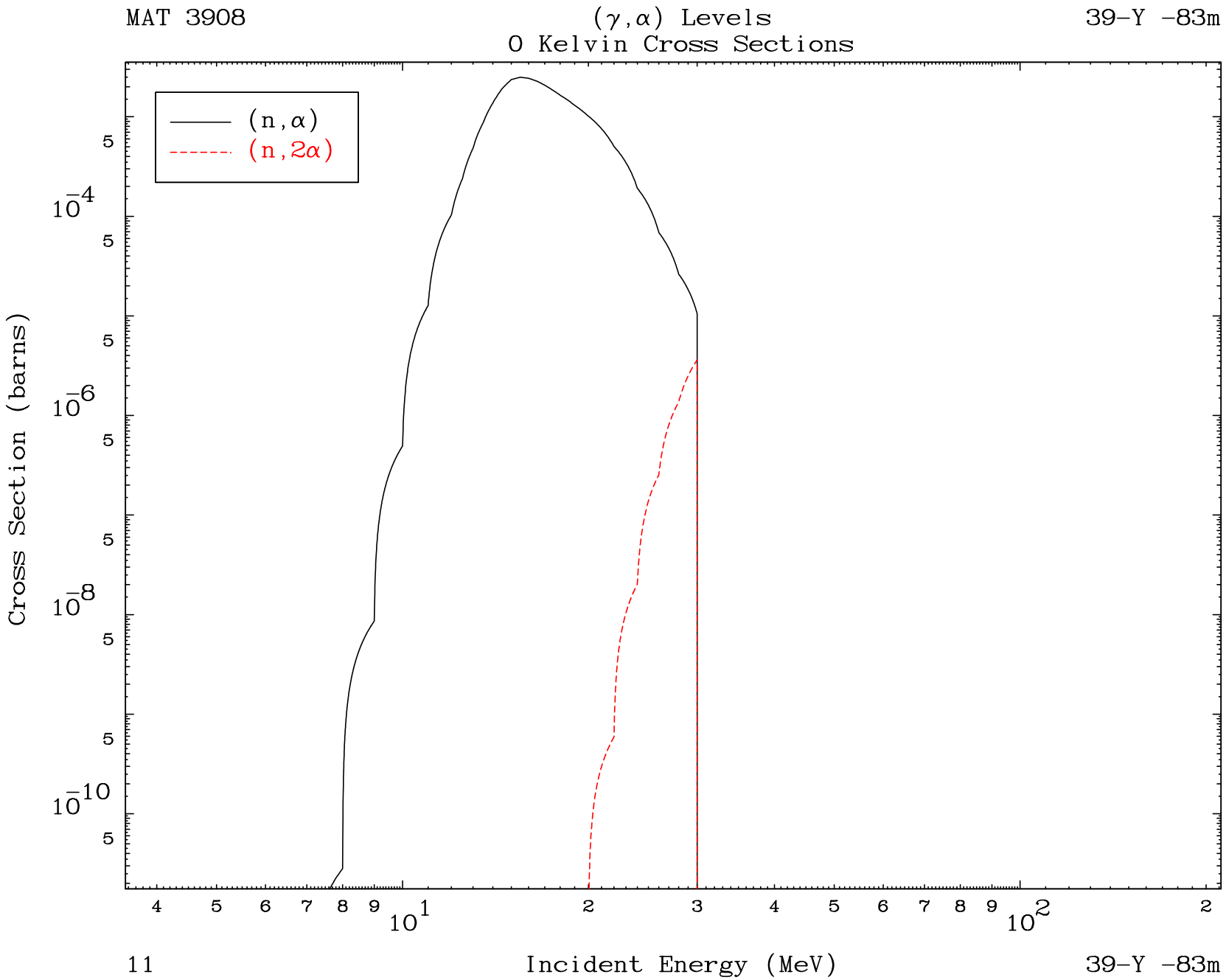

MAT 3908
(γ,n') Levels
0 Kelvin Cross Sections
39-Y -83m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
39-Y -83m

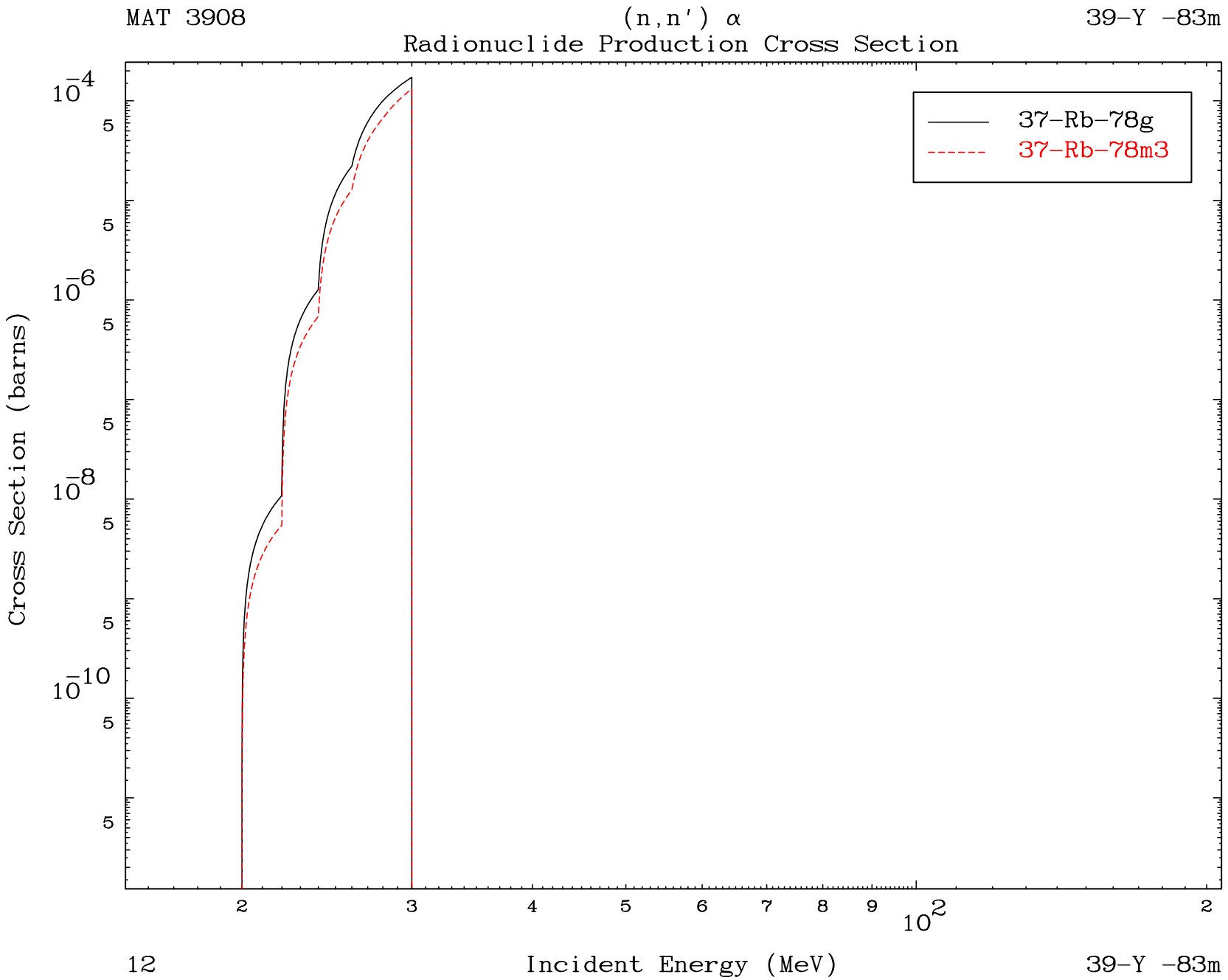

MAT 3908
(γ,p) Levels
39-Y -83m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
39-Y -83m

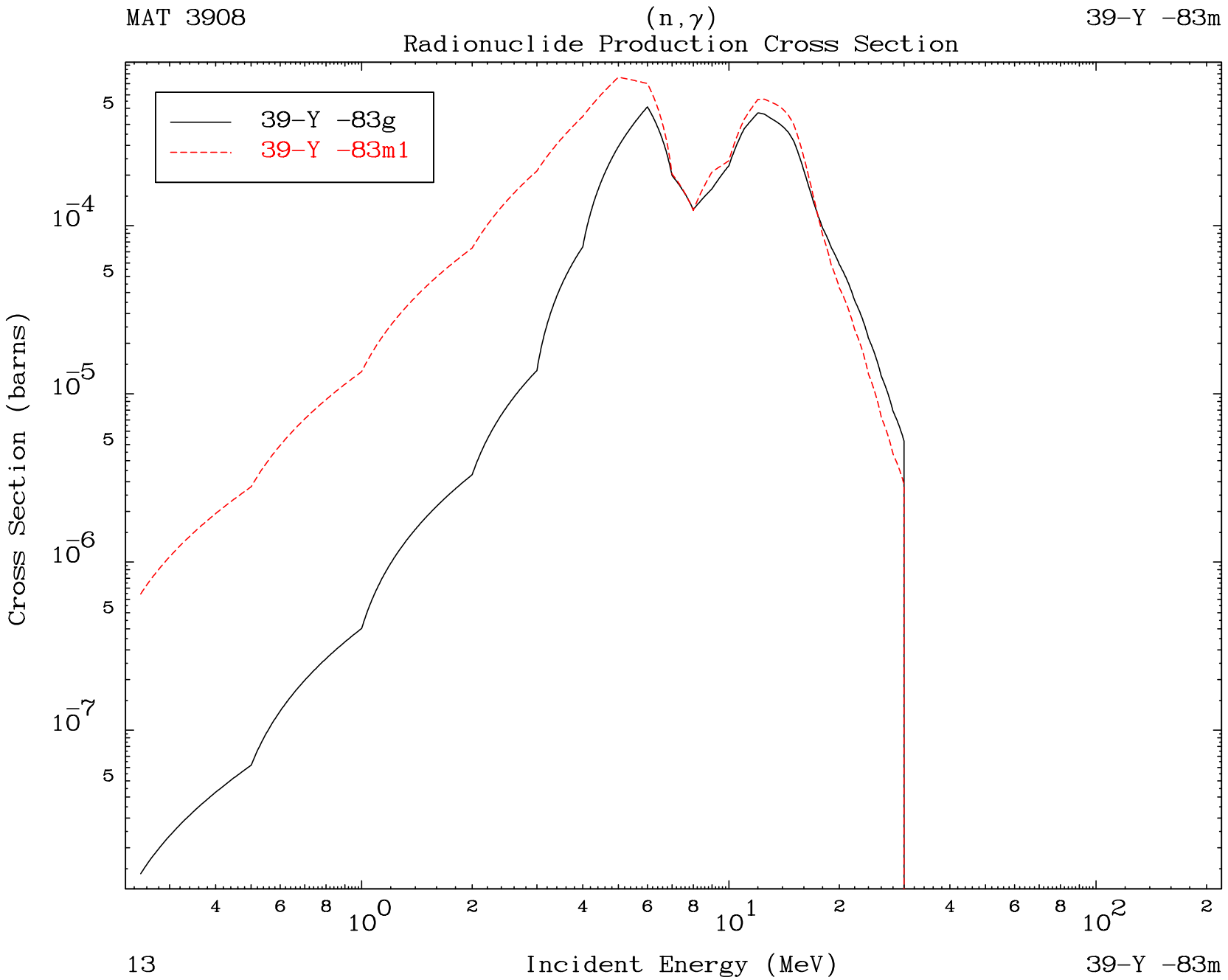

MAT 3908
(γ,d) Levels
39-Y -83m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
39-Y -83m

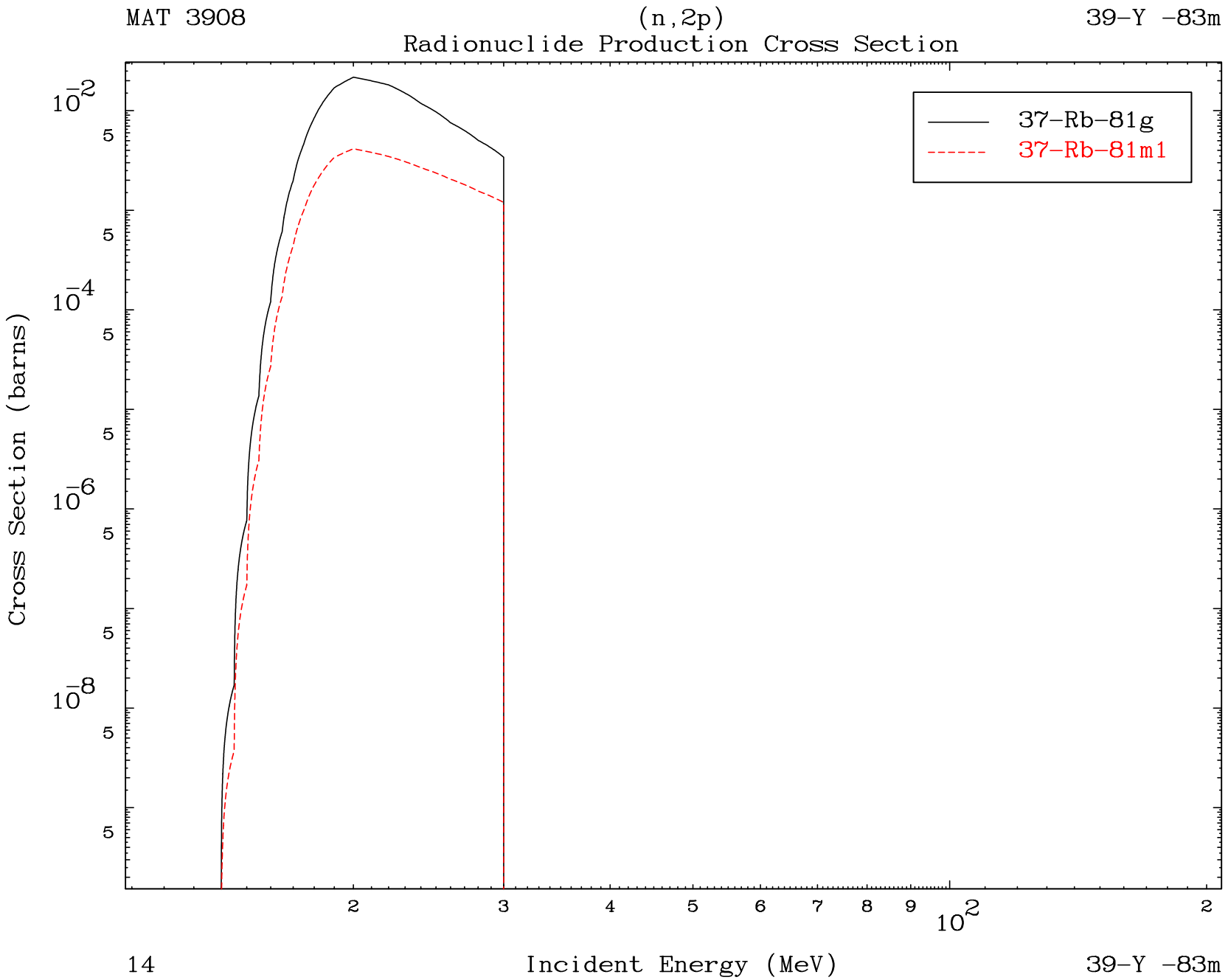

MAT 3908
(γ,t) Levels
39-Y -83m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
39-Y -83m


MAT 3908
(γ,He3) Levels
0 Kelvin Cross Sections
39-Y -83m
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
39-Y -83m


MAT 3908
(γ,α) Levels
39-Y -83m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
39-Y -83m


MAT 3908
(n,n') α
39-Y -83m
Radionuclide Production Cross Section
37-Rb-78g
37-Rb-78m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
12
Incident Energy (MeV)
39-Y -83m


MAT 3908
(n,γ)
39-Y -83m
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
Incident Energy (MeV)
13
39-Y -83m


MAT 3908
(n,2p)
39-Y -83m
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
Incident Energy (MeV)
14
39-Y -83m