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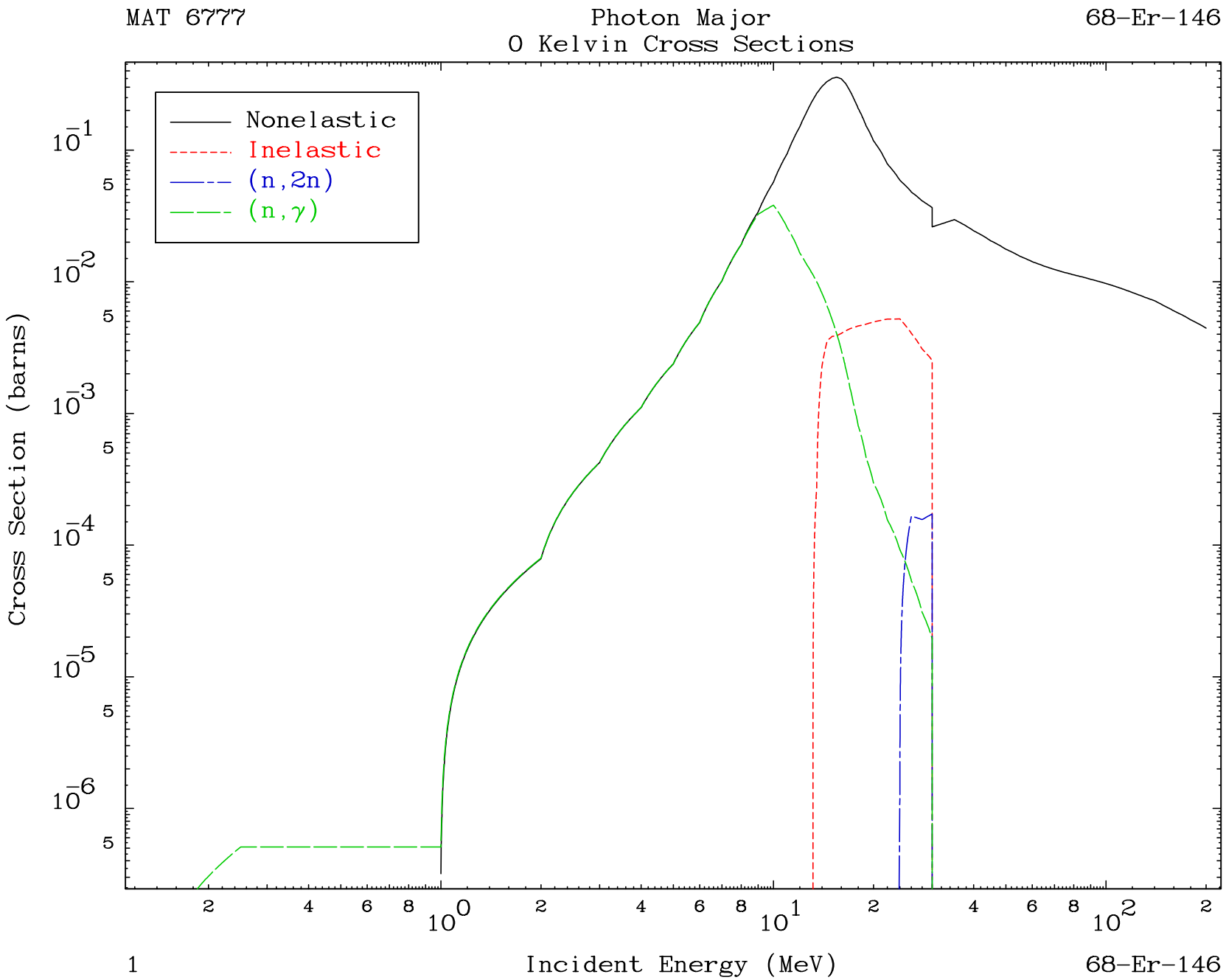
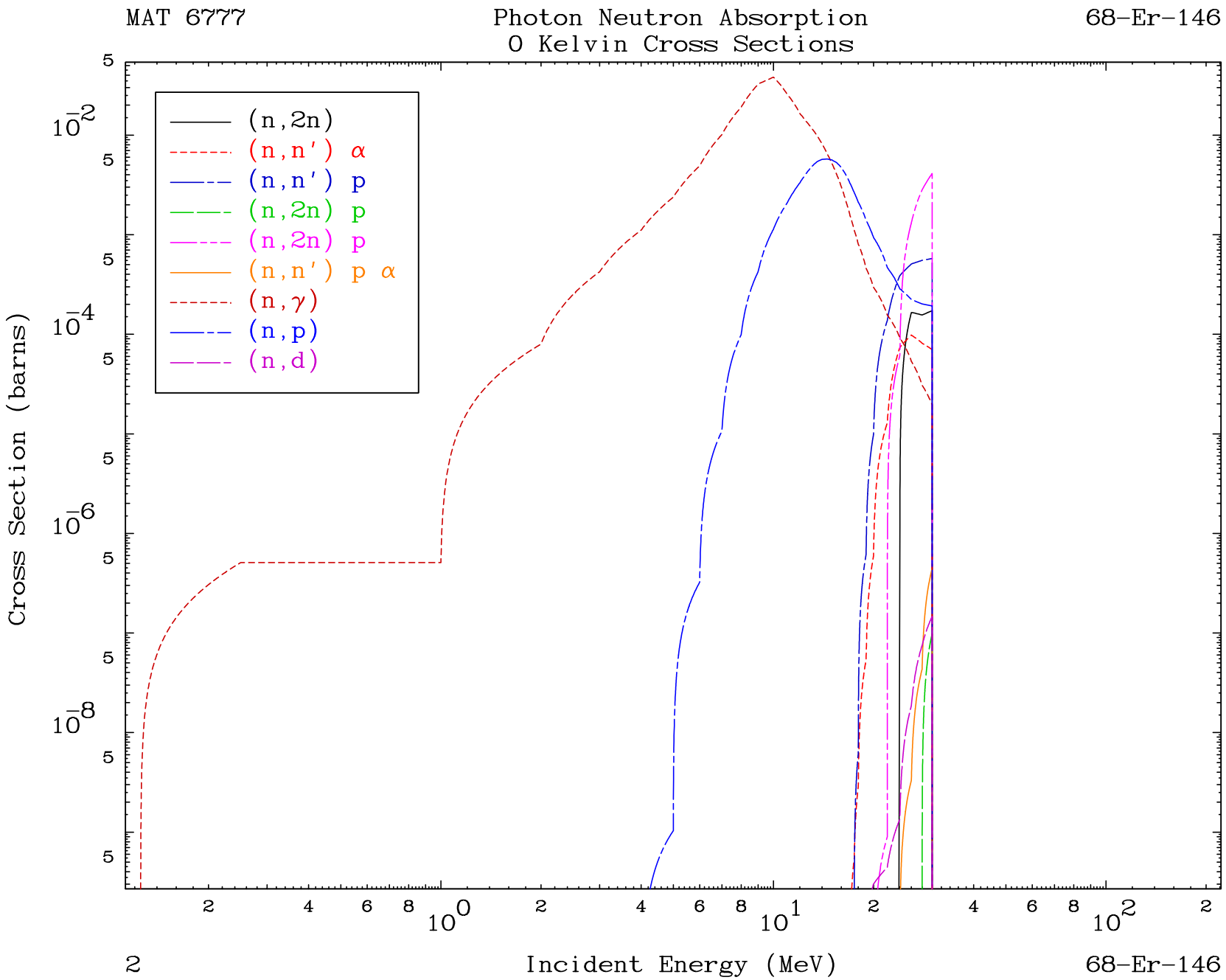
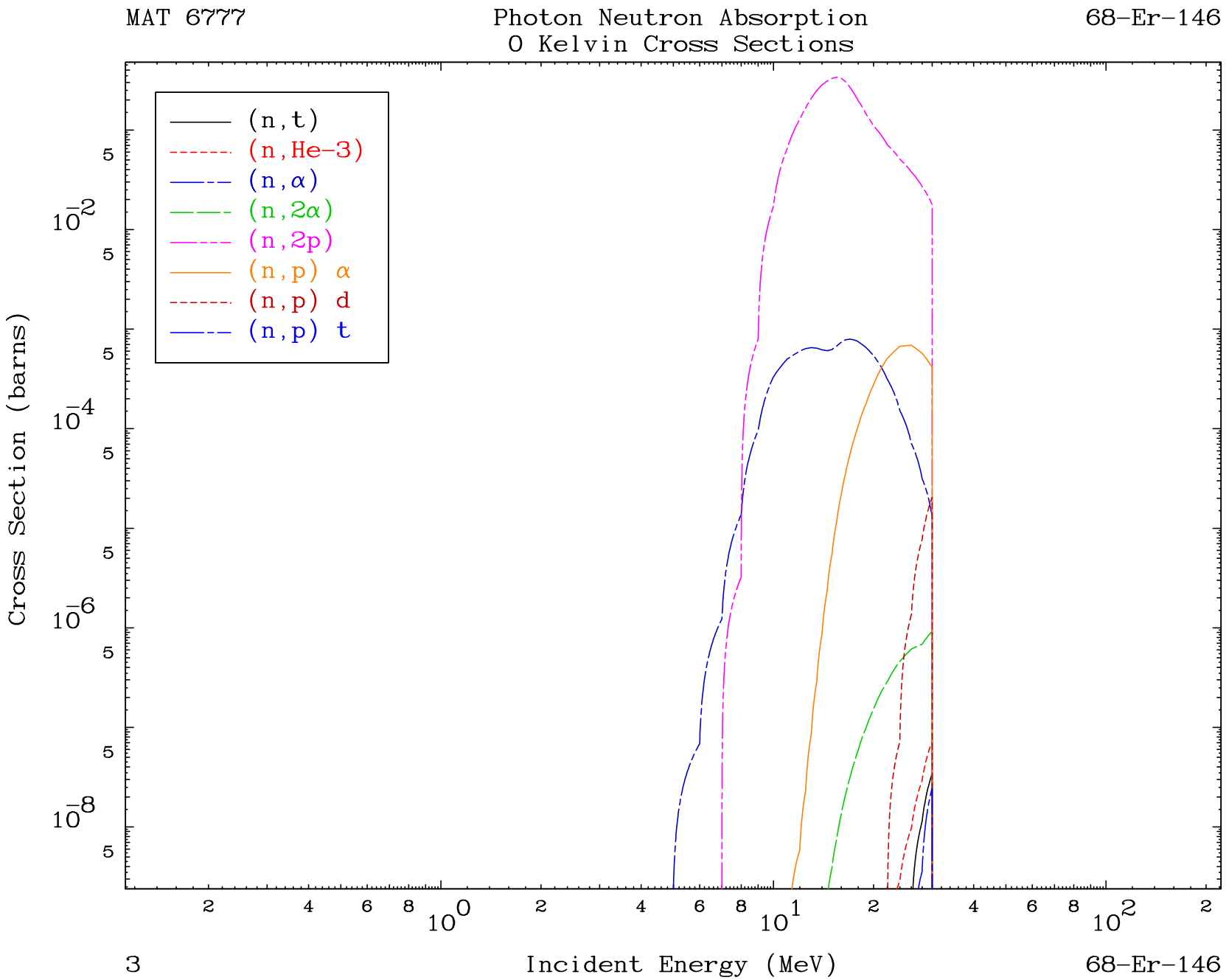
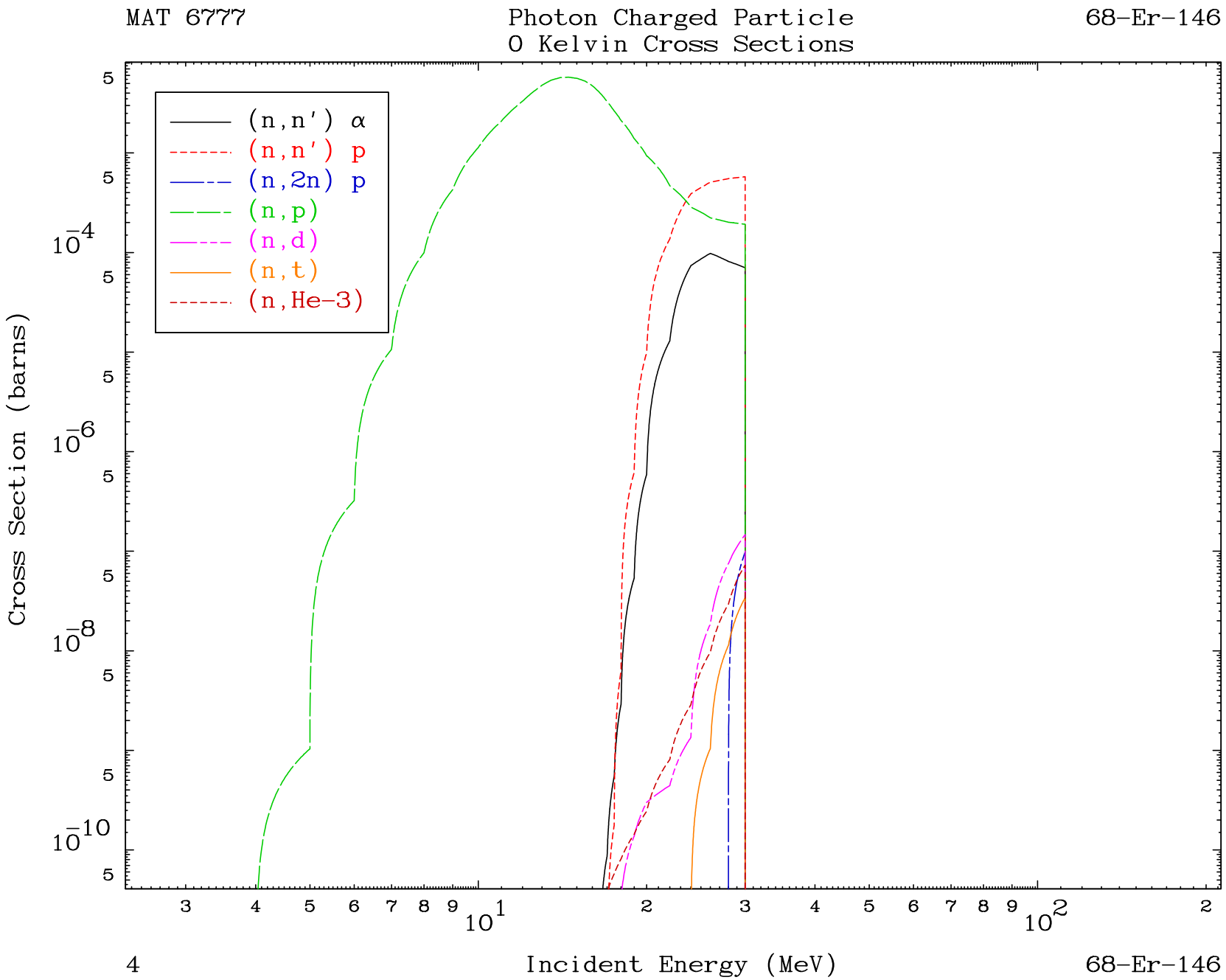
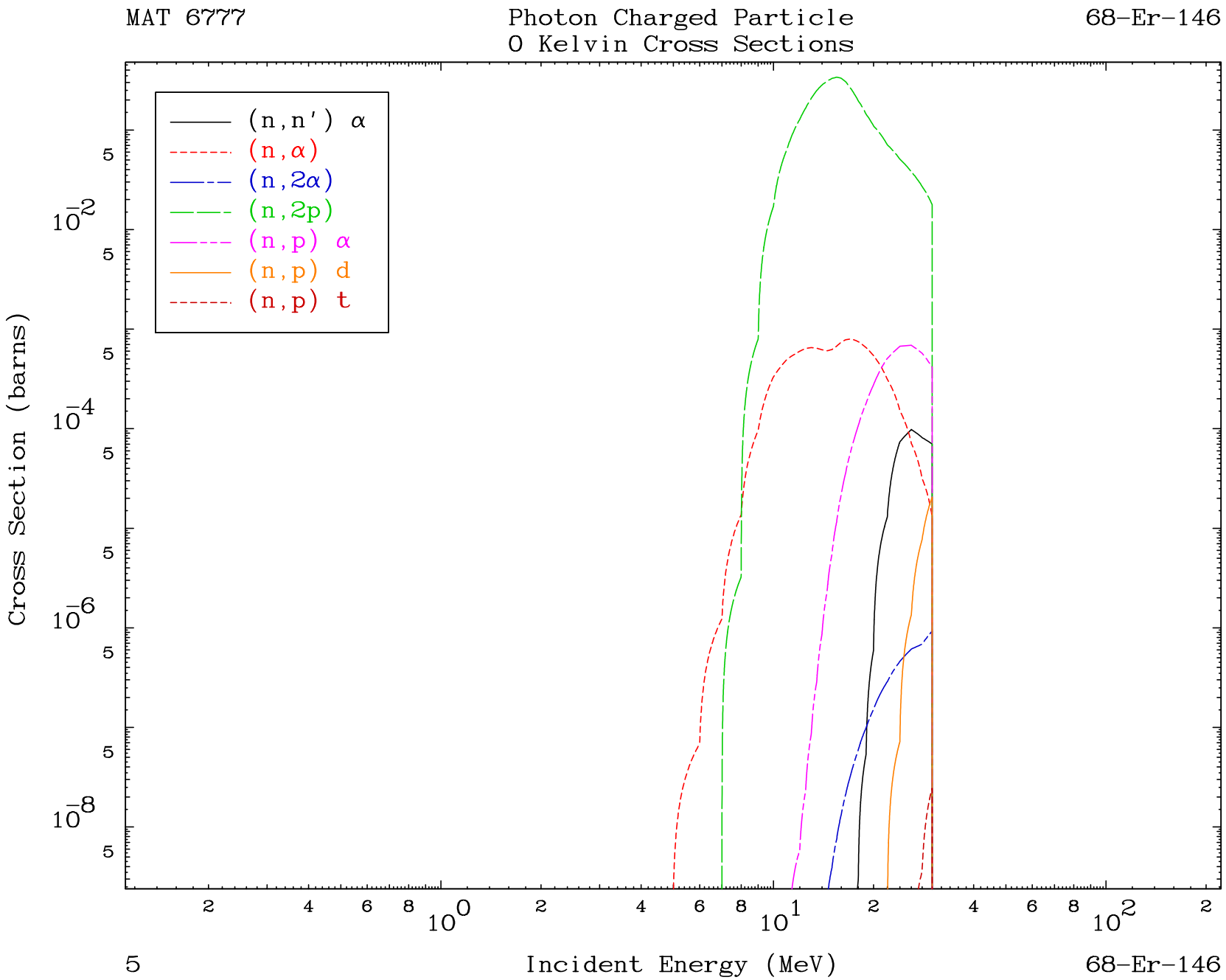
Press Mouse Button to Start

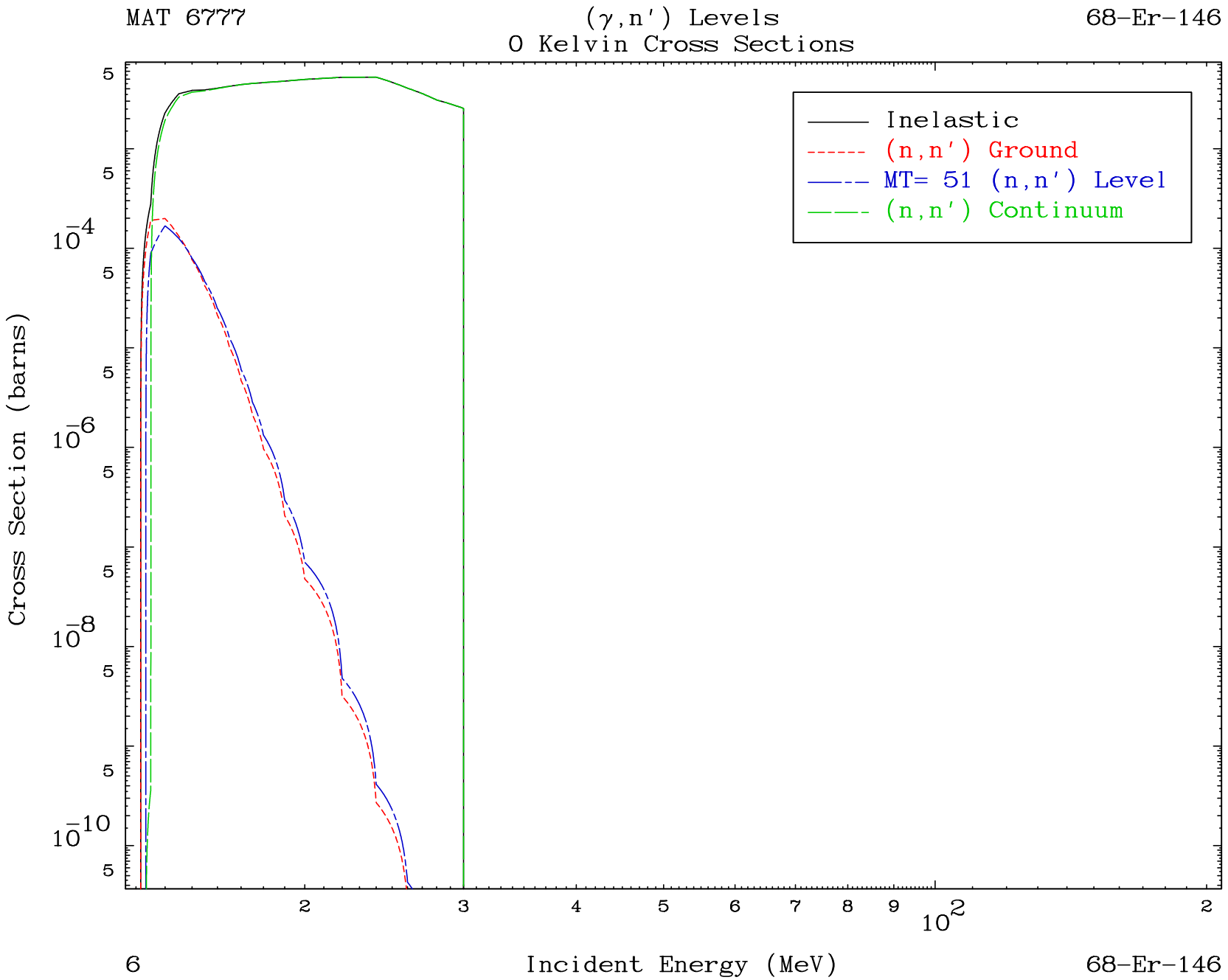

MAT 6777
Photon Major
68-Er-146
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
68-Er-146

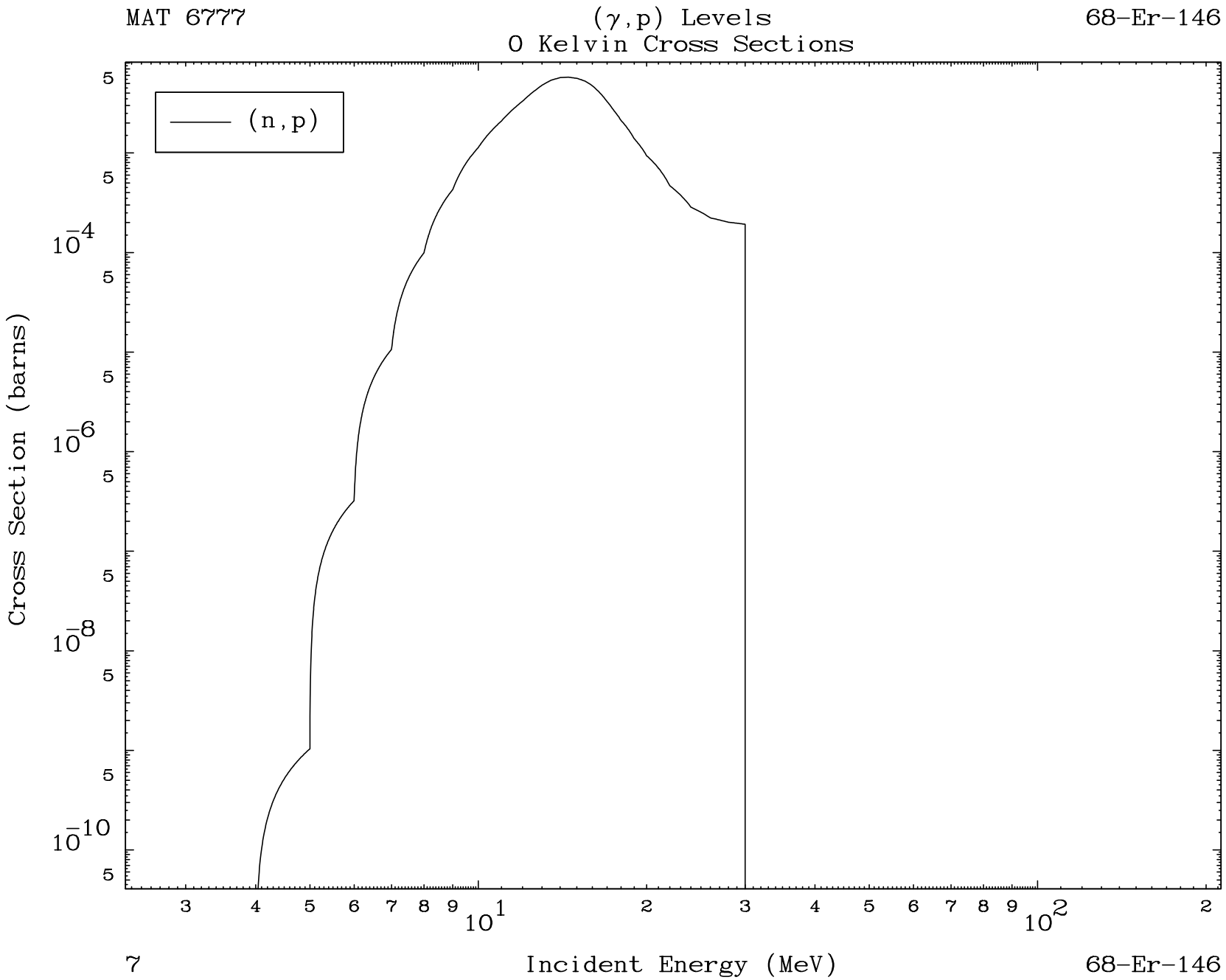

MAT 6777
Photon Neutron Absorption
0 Kelvin Cross Sections
68-Er-146
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
68-Er-146
2

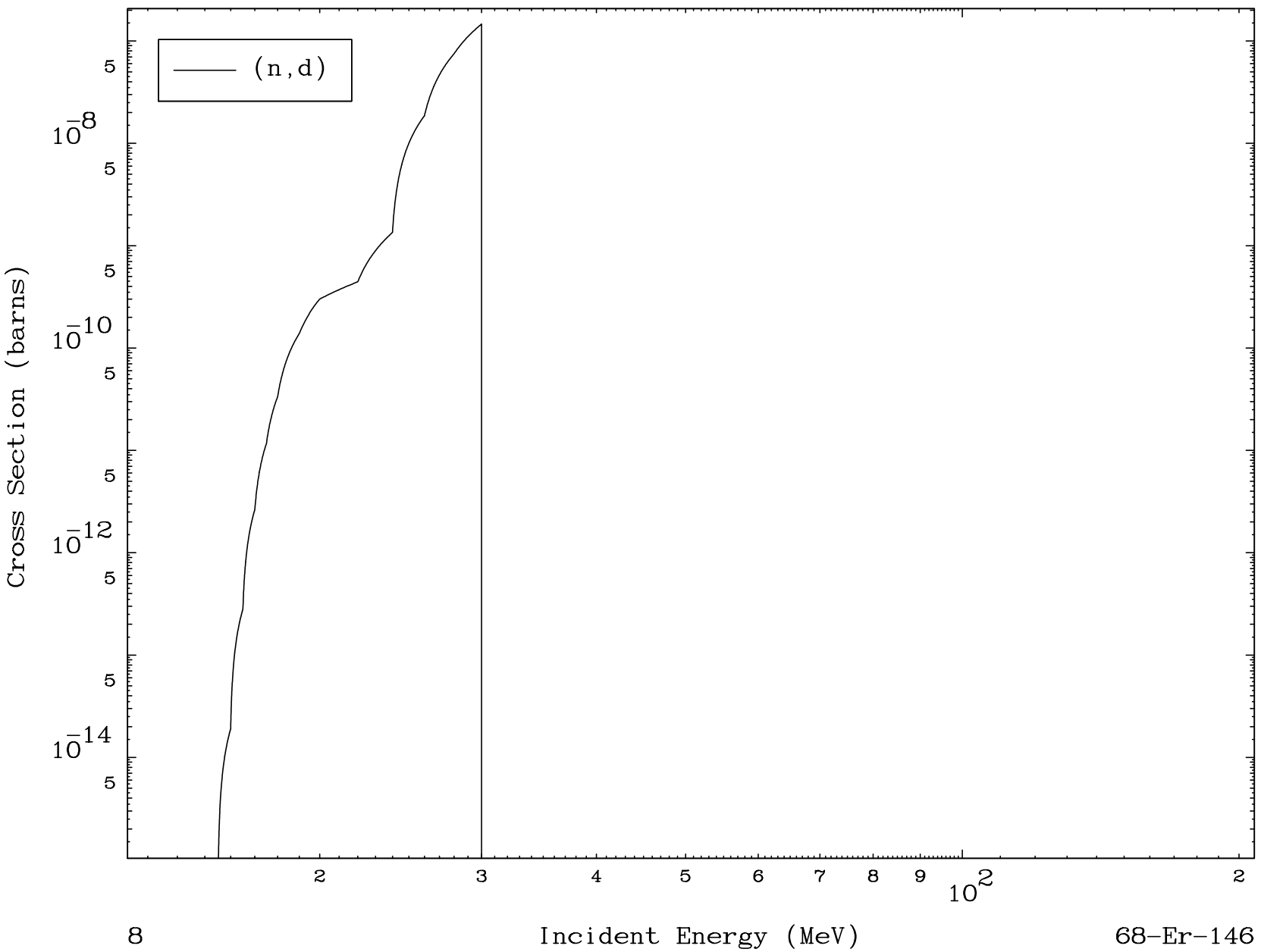

MAT 6777
Photon Neutron Absorption
0 Kelvin Cross Sections
68-Er-146
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
3
68-Er-146


MAT 6777
Photon Charged Particle
0 Kelvin Cross Sections
68-Er-146
(n,n') α
(n,n') p
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-146

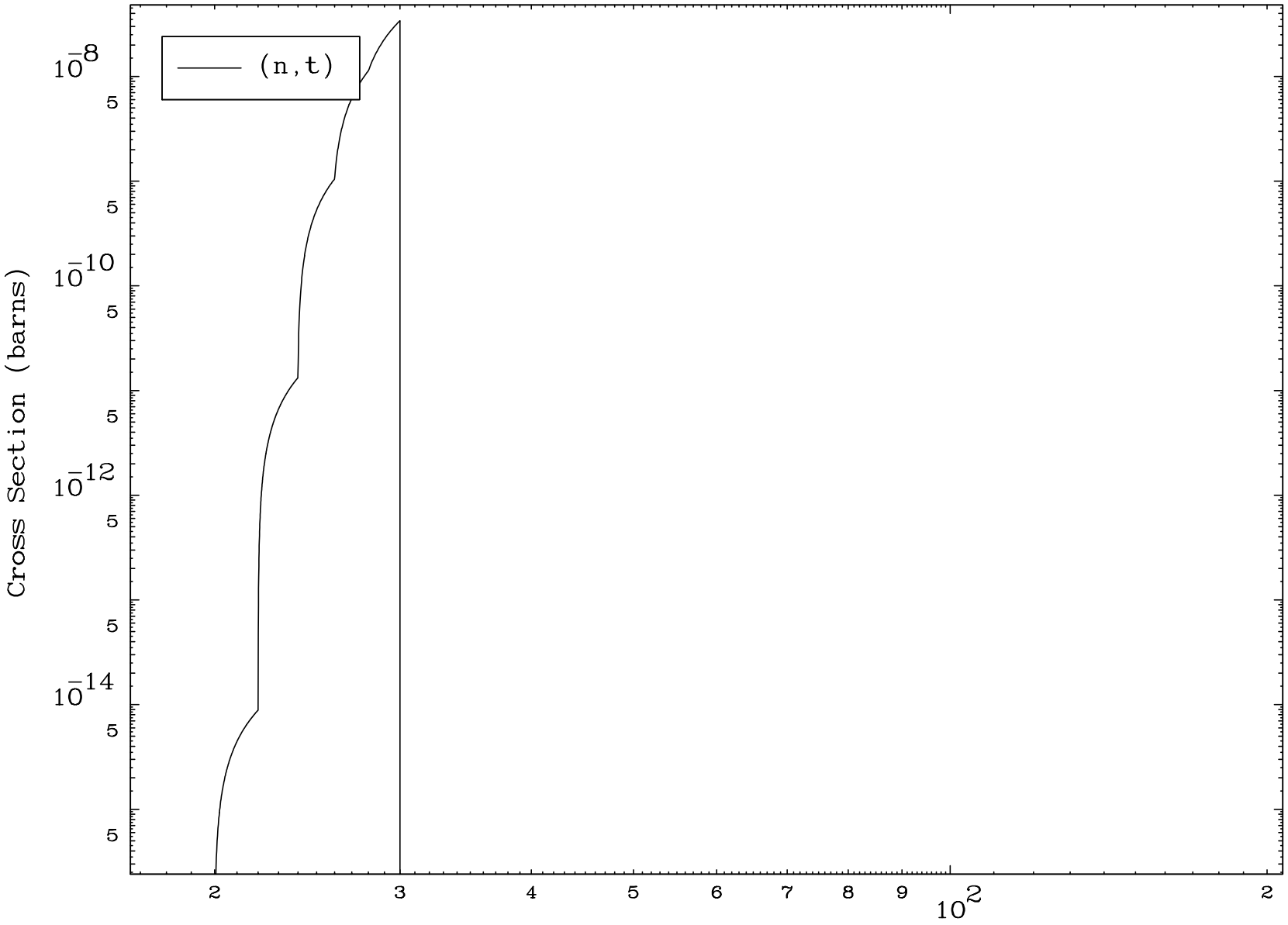

MAT 6777
Photon Charged Particle
0 Kelvin Cross Sections
68-Er-146
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
68-Er-146

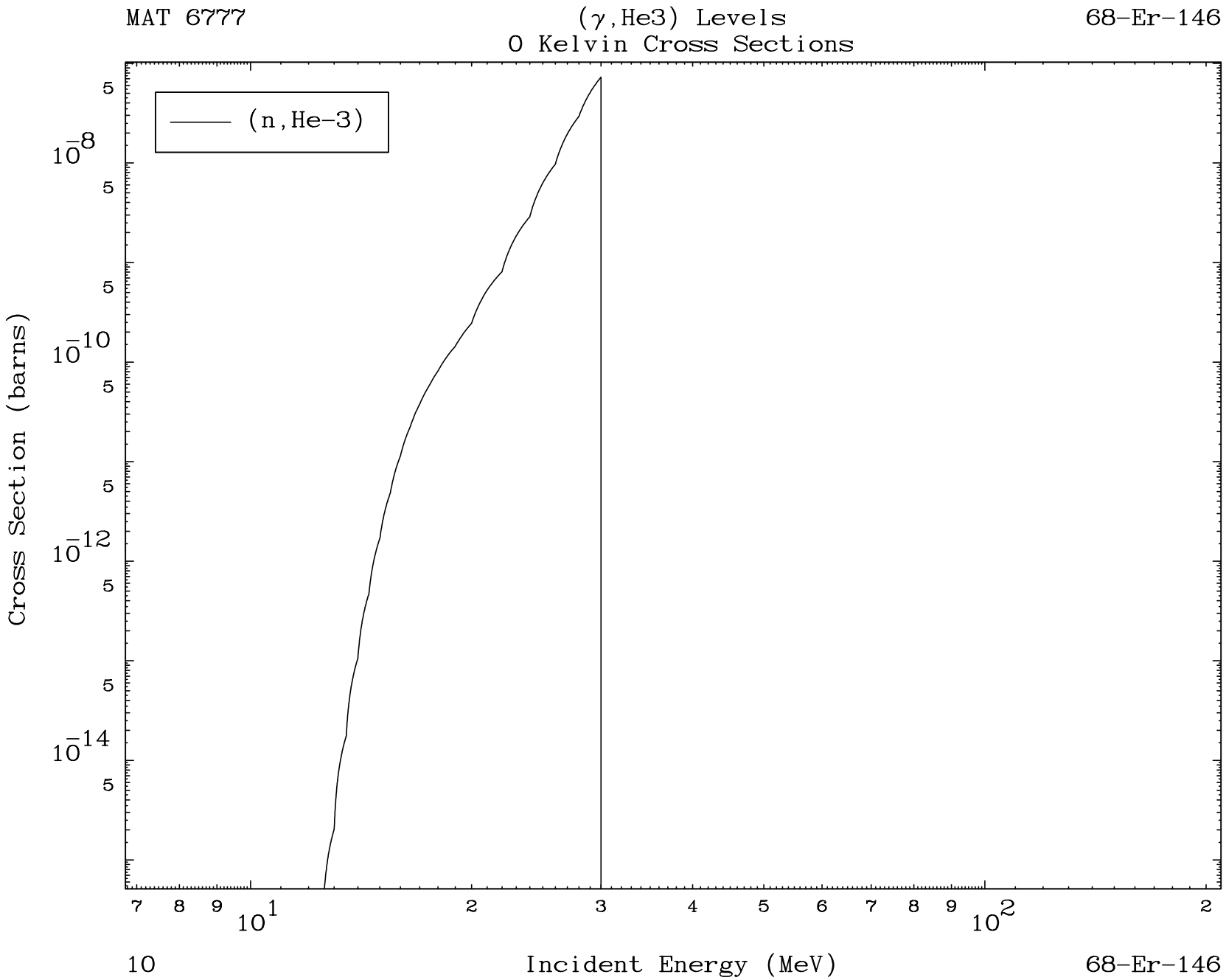

MAT 6777
(γ,n') Levels
68-Er-146
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
68-Er-146

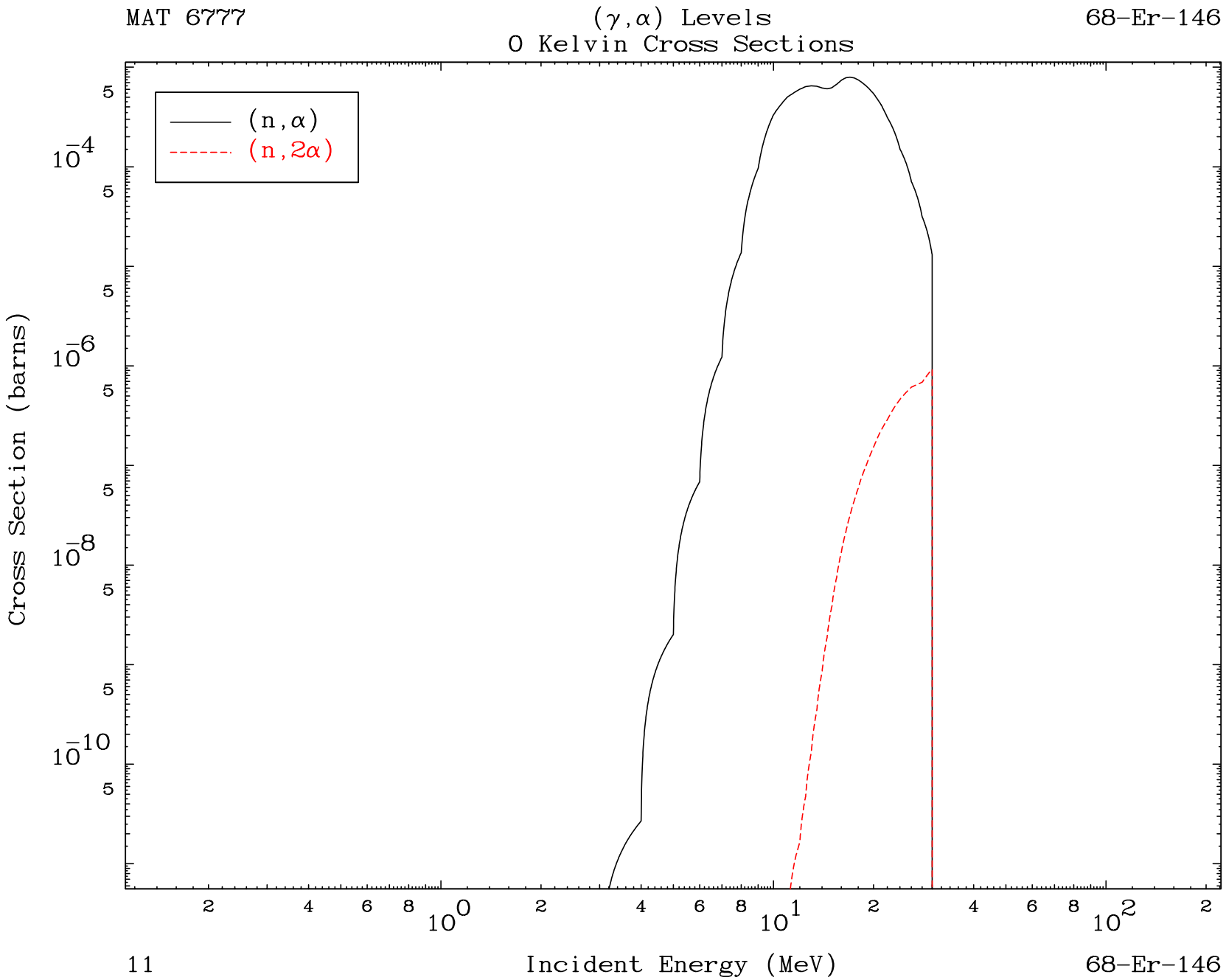

MAT 6777
(γ,p) Levels
68-Er-146
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
68-Er-146

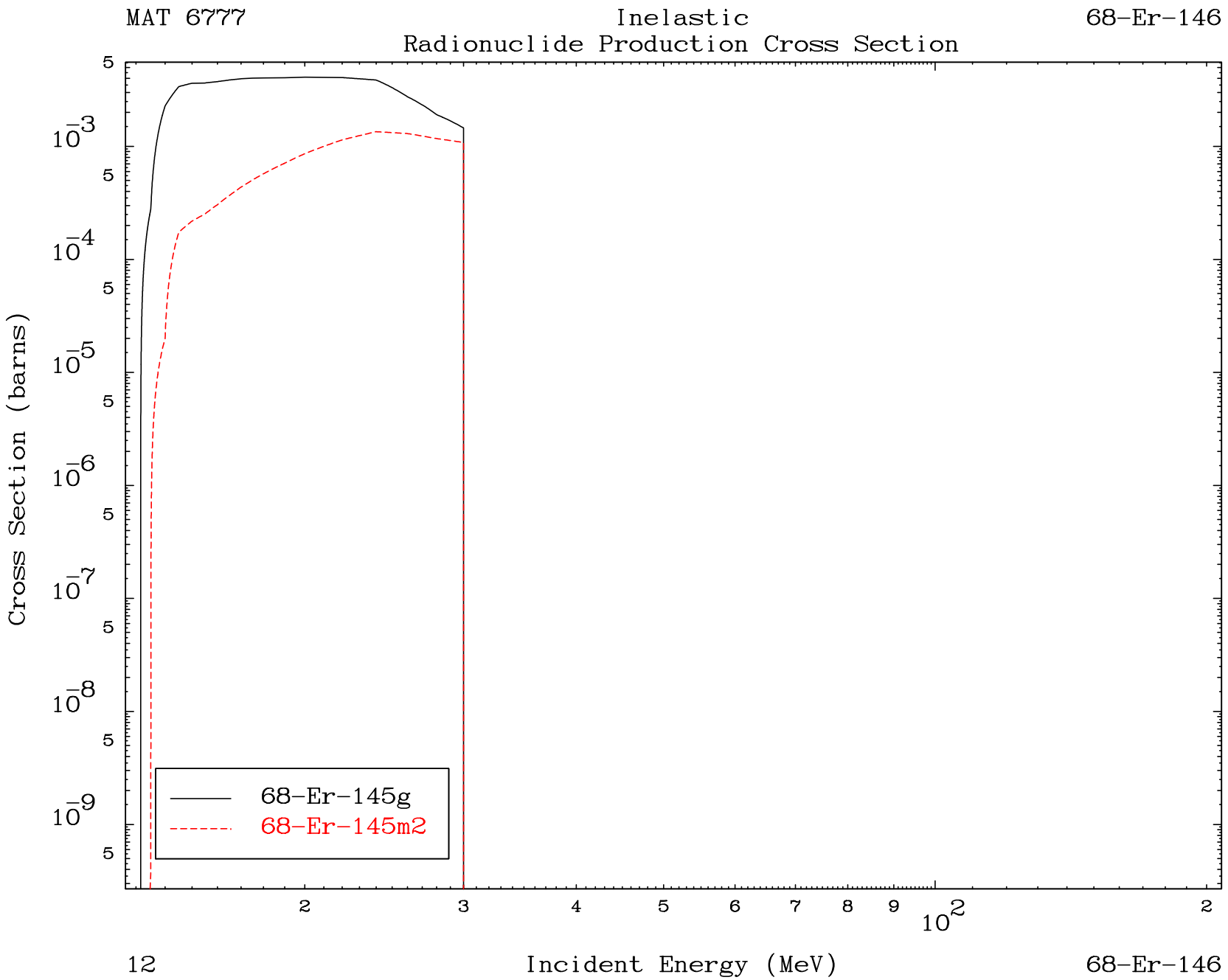

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

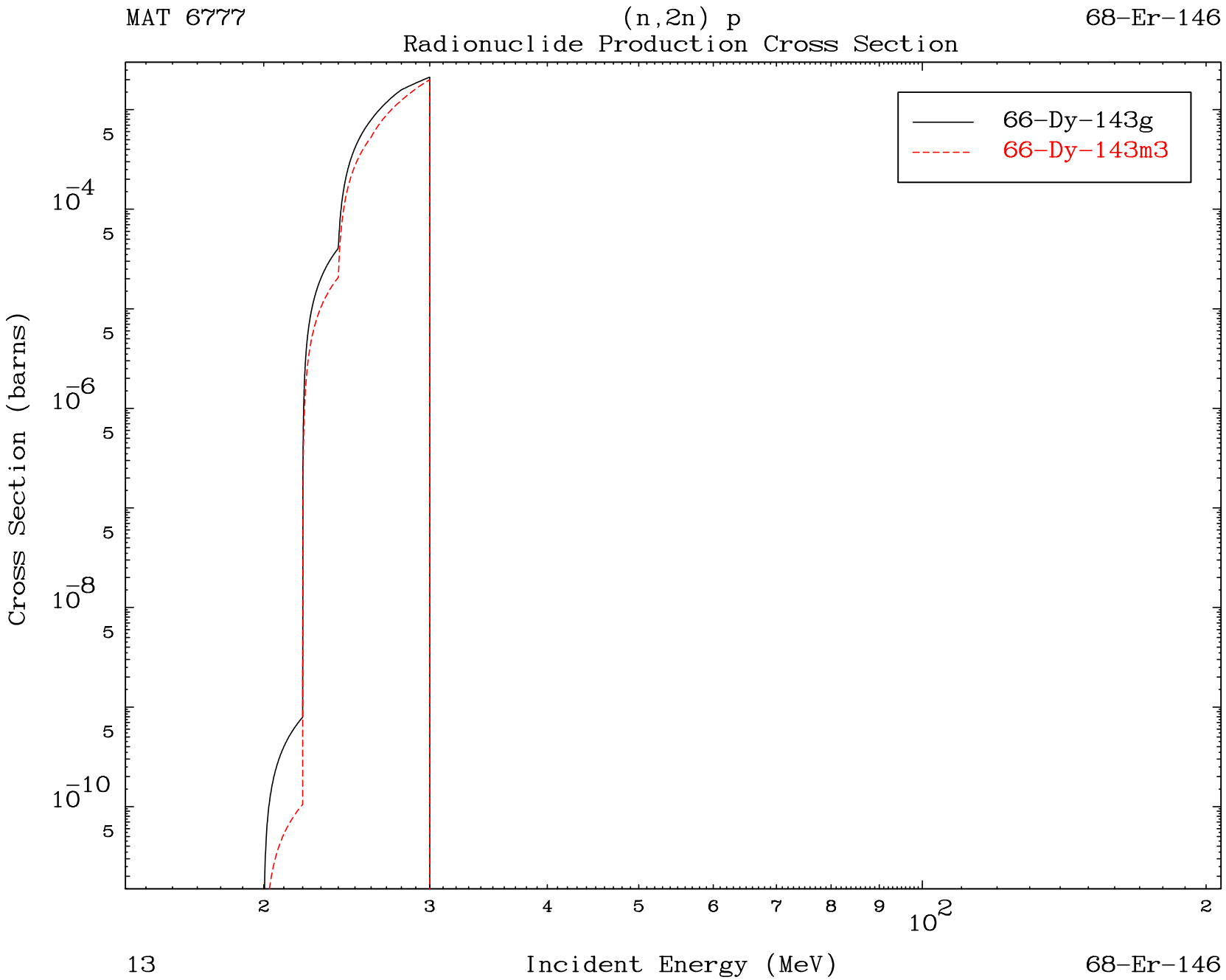
0 Kelvin Cross Sections

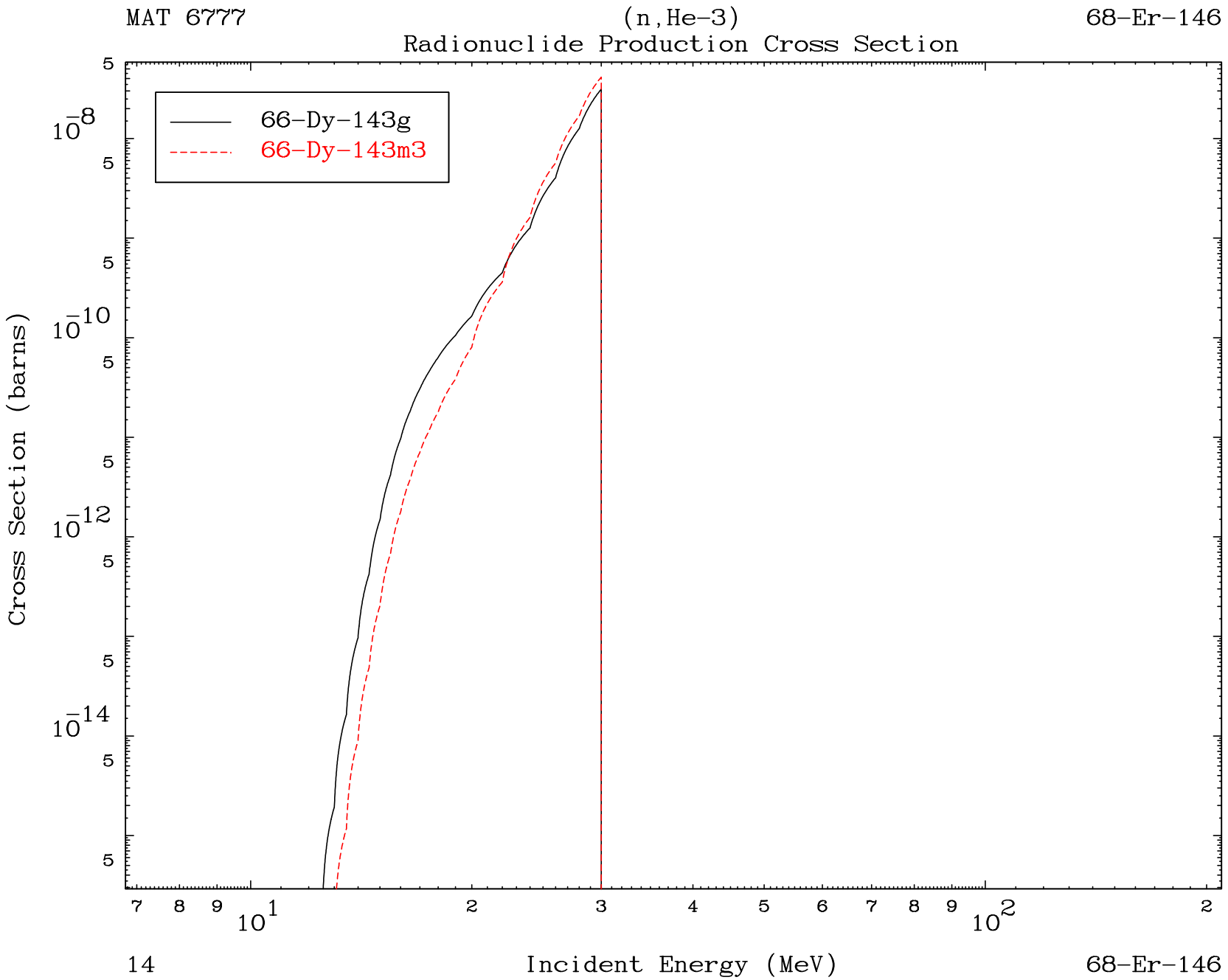


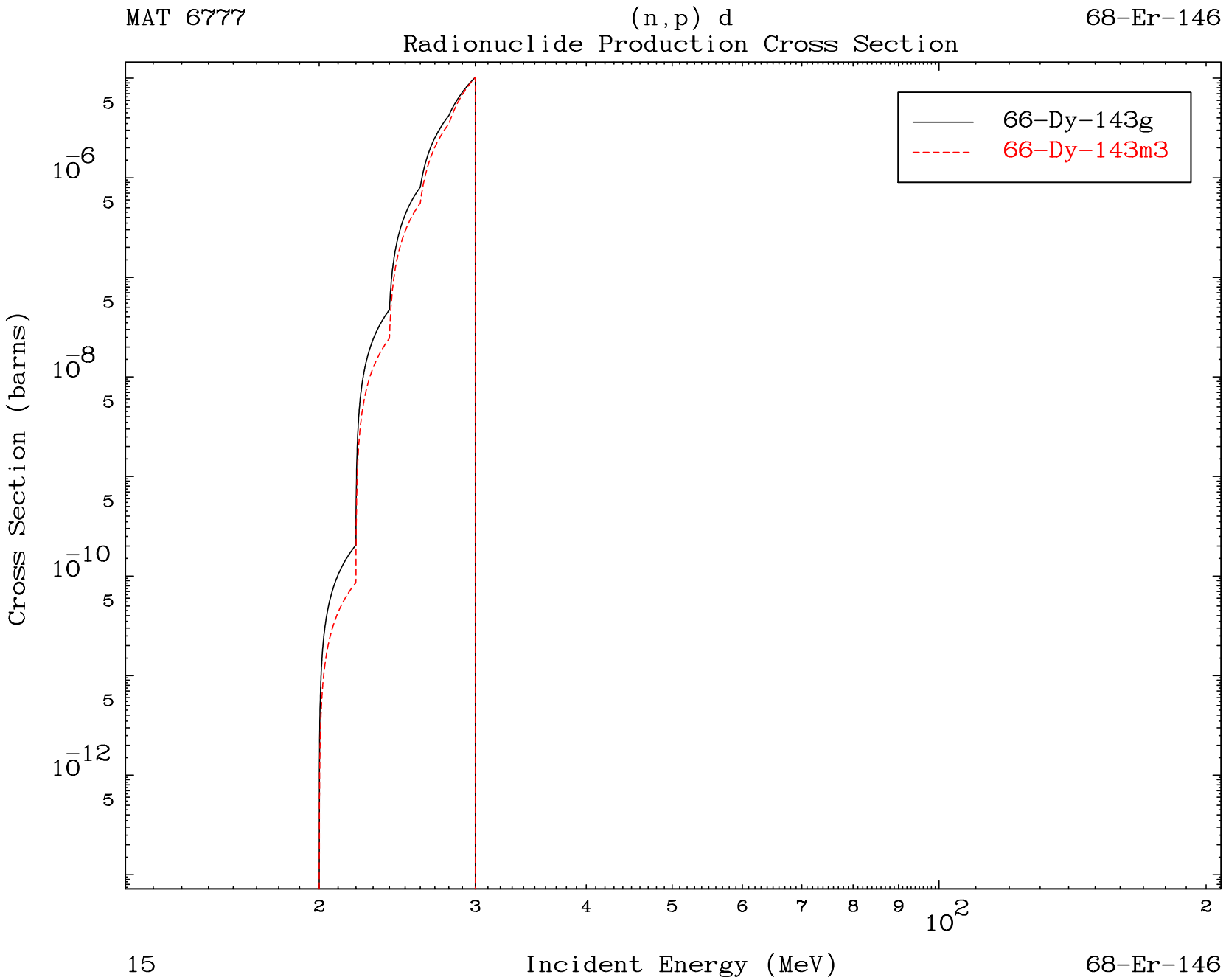

MAT 6777
(γ,He3) Levels
68-Er-146
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
68-Er-146


MAT 6777
(γ,α) Levels
68-Er-146
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
68-Er-146


MAT 6777
Inelastic
68-Er-146
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
10-9
5
2
3
4
5
6
7
8
9
10 2
2
68-Er-145g
68-Er-145m2
12
Incident Energy (MeV)
68-Er-146


MAT 6777
(n,2n) p
68-Er-146
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
13
68-Er-146


MAT 6777
(n,He-3)
68-Er-146
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
Incident Energy (MeV)
14
68-Er-146


MAT 6777
(n,p) d
68-Er-146
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
Incident Energy (MeV)
15
68-Er-146