Program EVALPLOT
(Version 2018-1)
by
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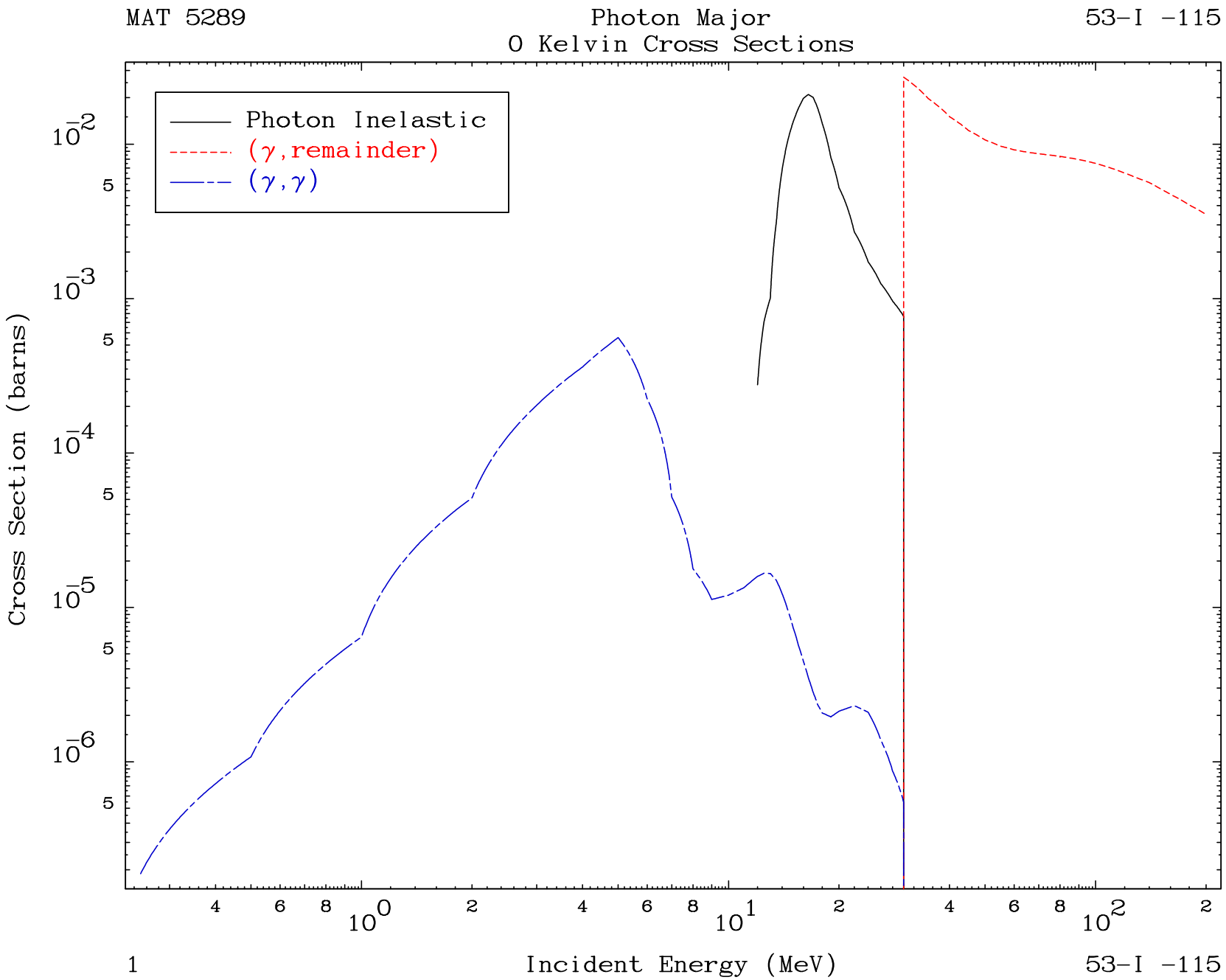
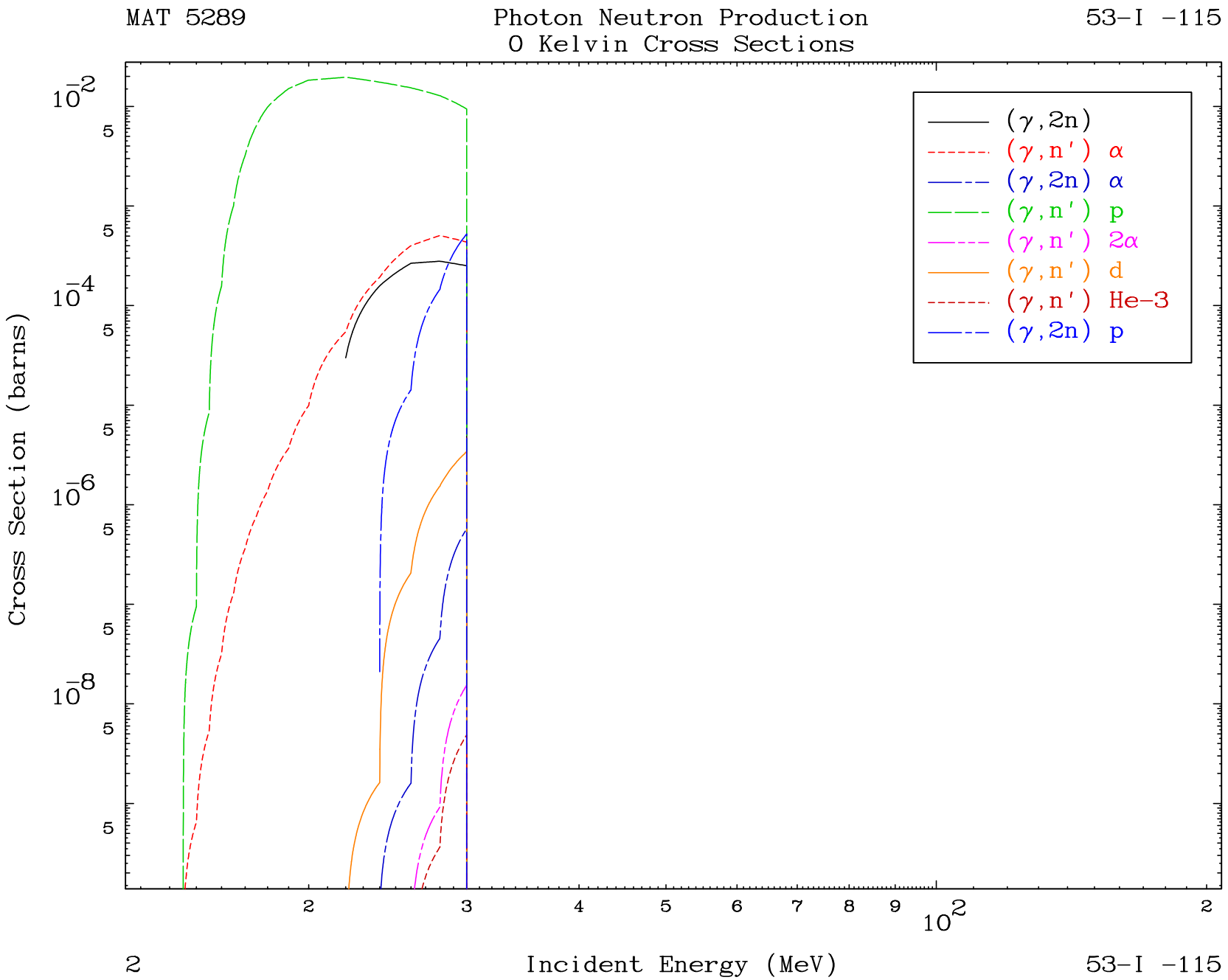
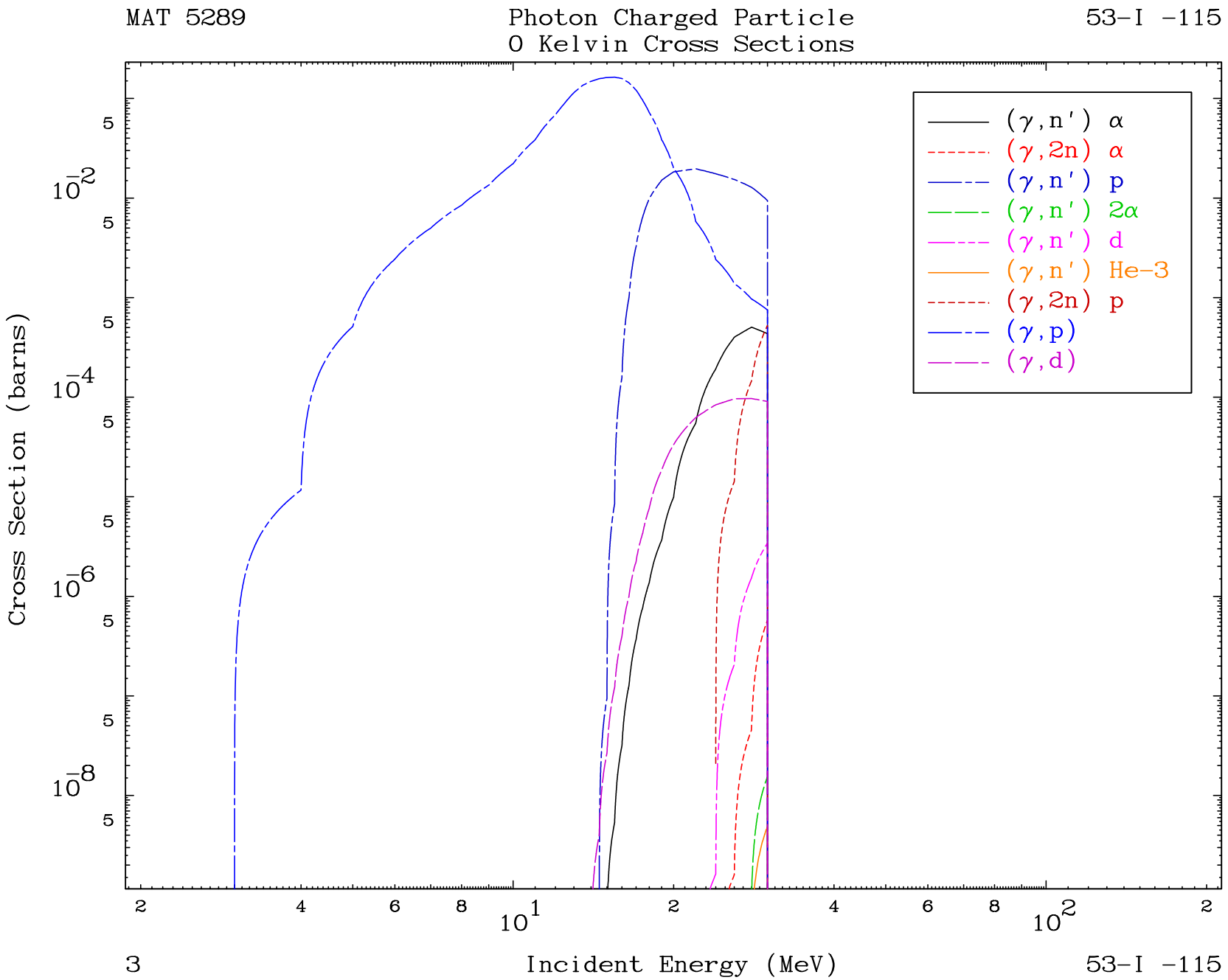
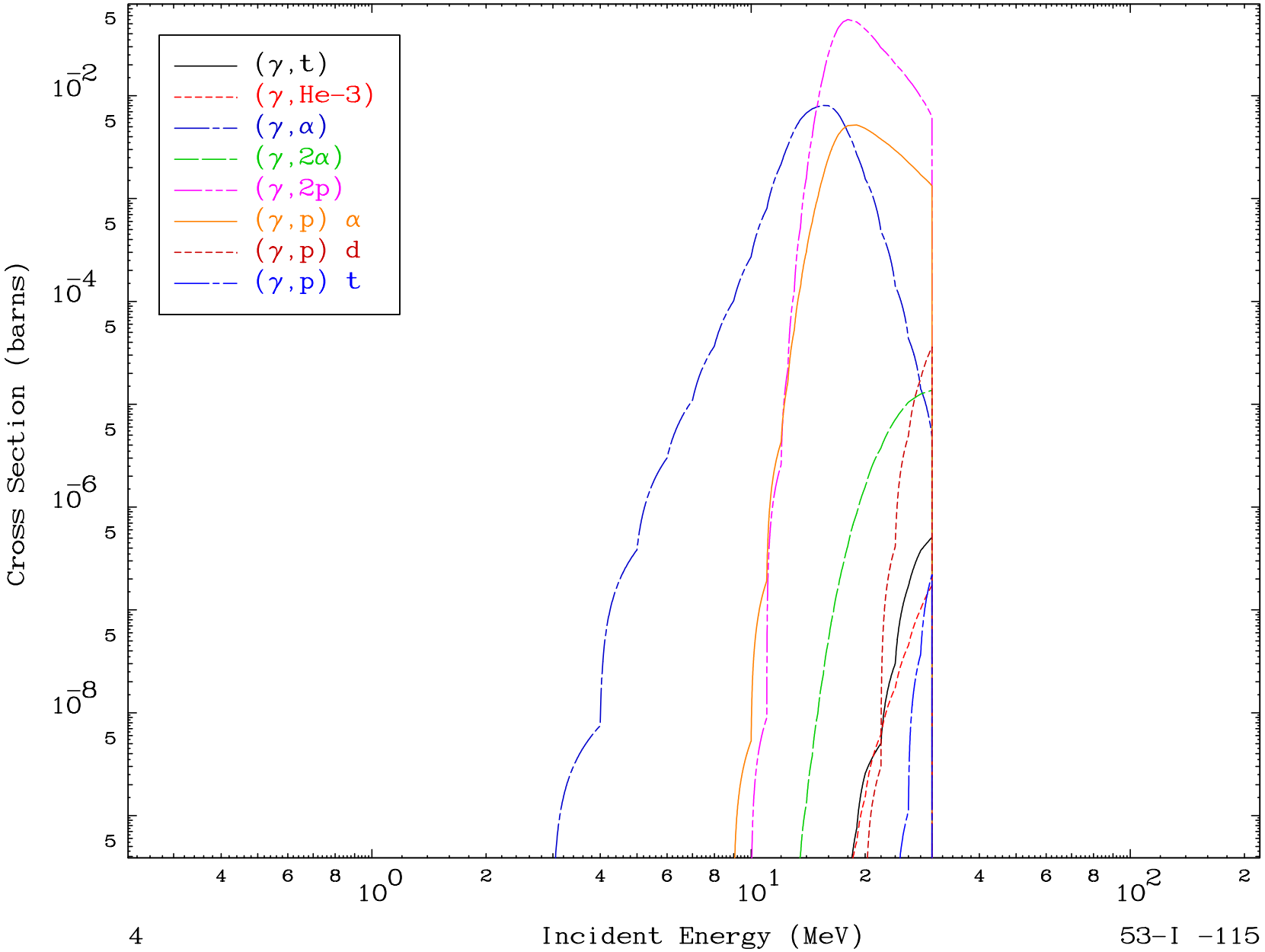
Press Mouse Button to Start

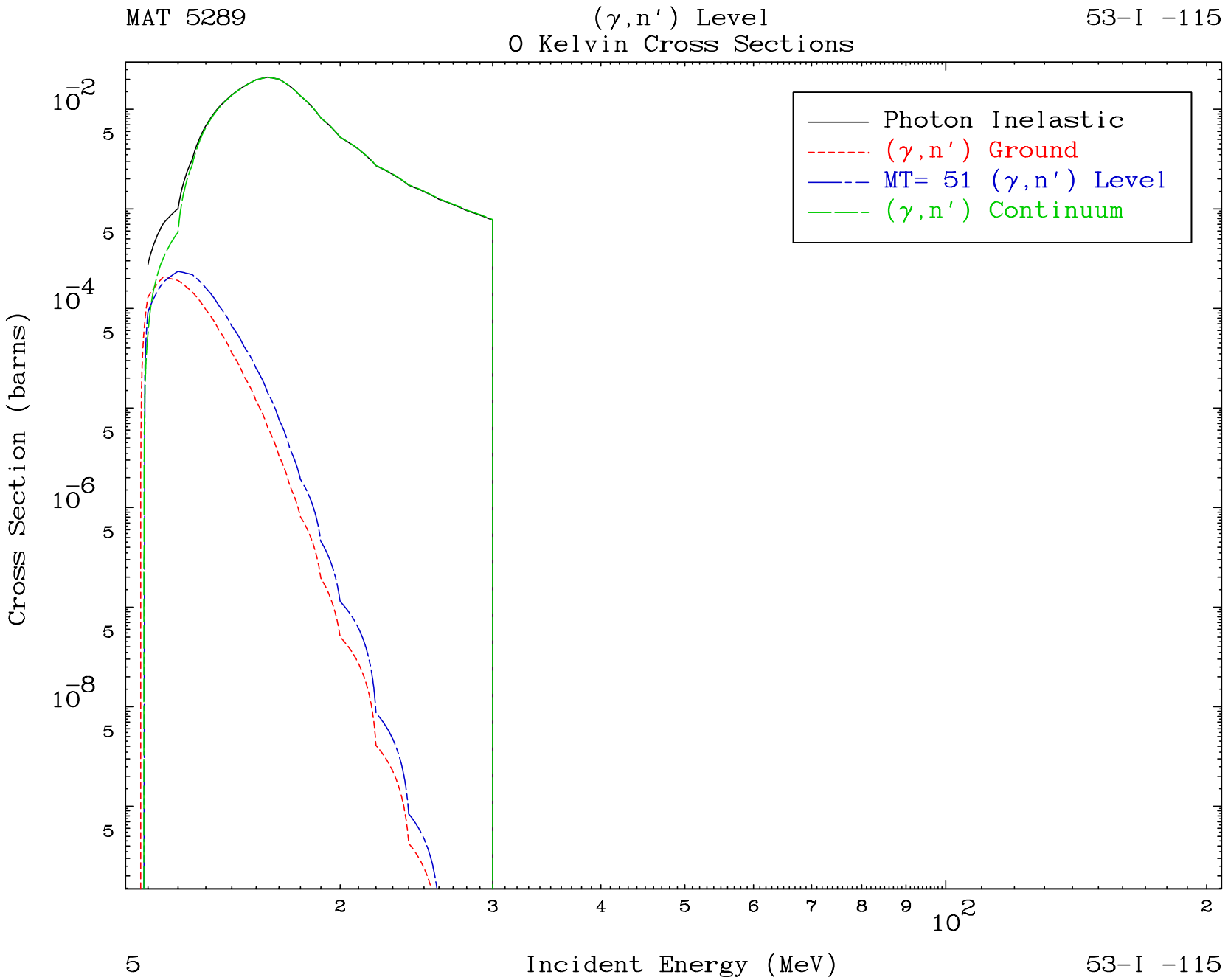

MAT 5289
Photon Major
53-I -115
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
53-I -115
1

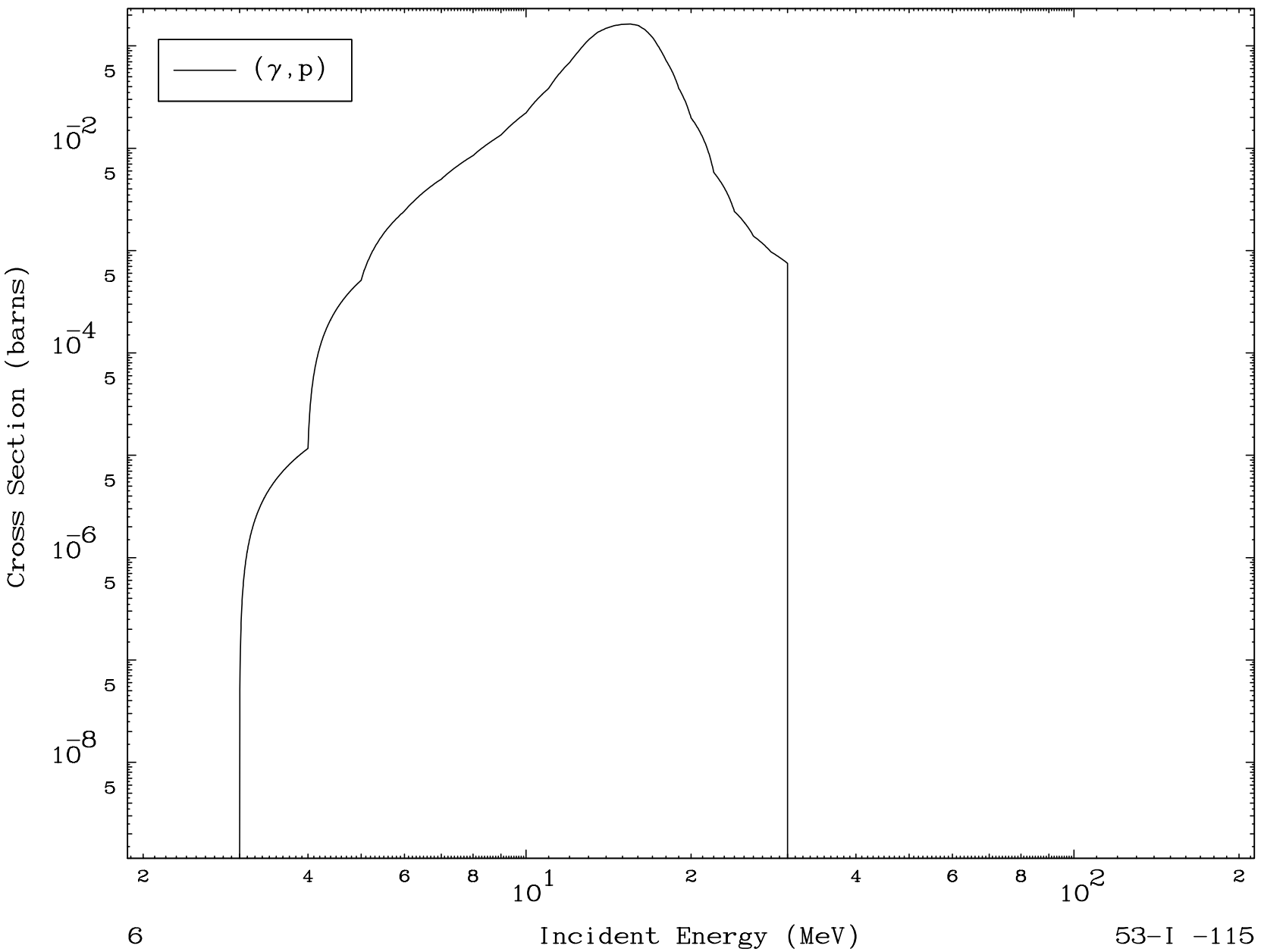

MAT 5289
Photon Neutron Production
0 Kelvin Cross Sections
53-I -115
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') He-3
(γ,2n) p
2
Incident Energy (MeV)
53-I -115

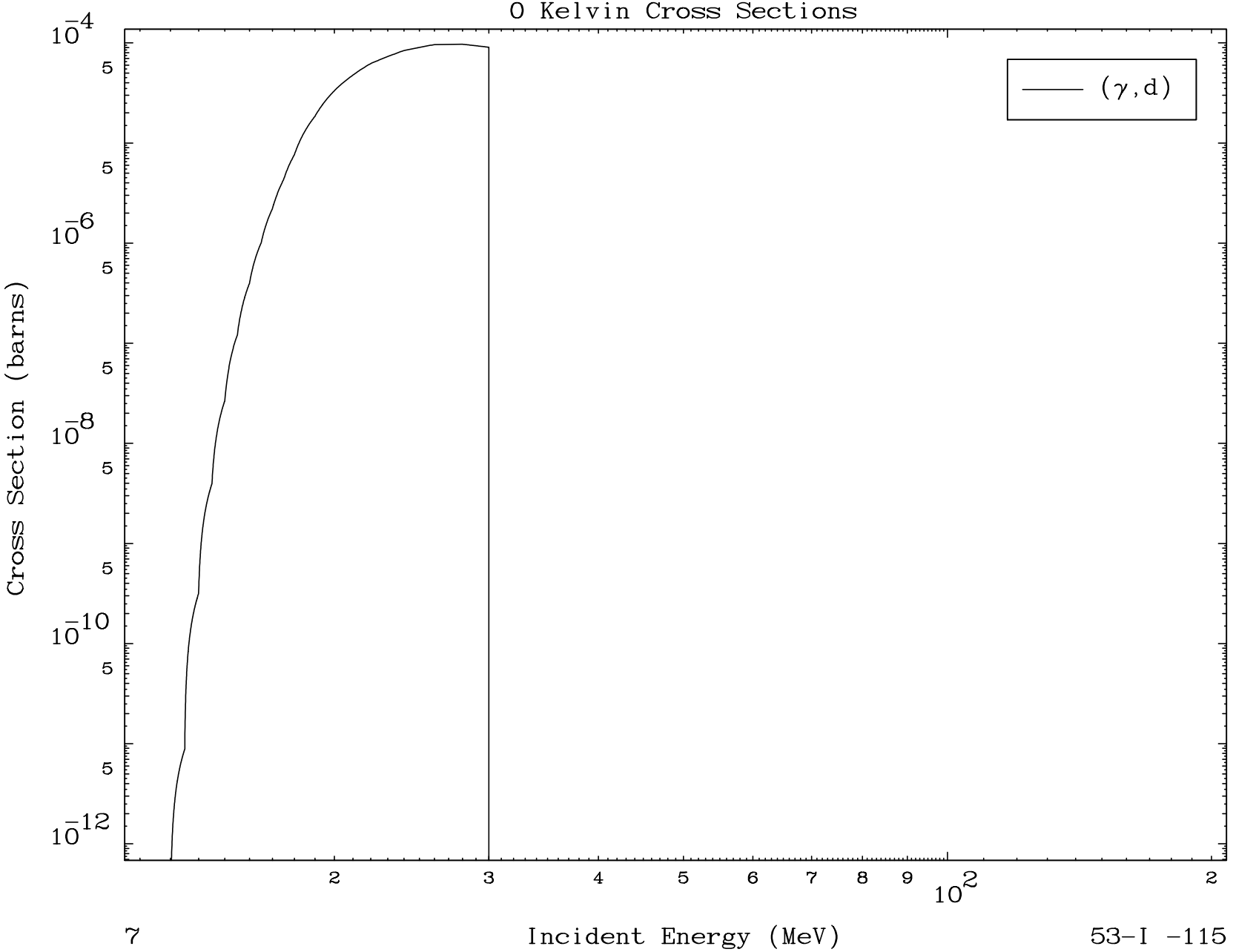

MAT 5289
Photon Charged Particle
0 Kelvin Cross Sections
53-I -115
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') He-3
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -115

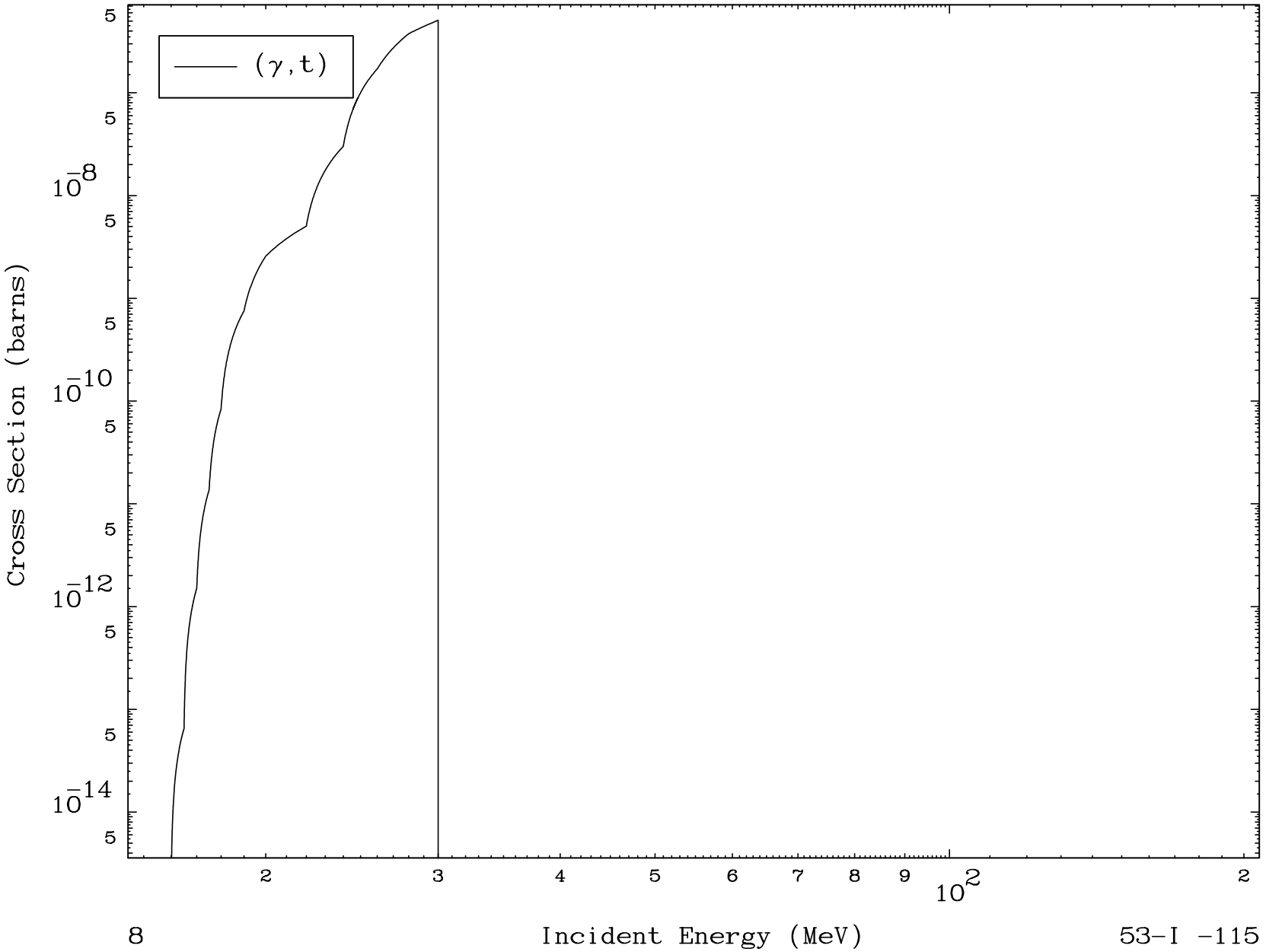
0 Kelvin Cross Sections



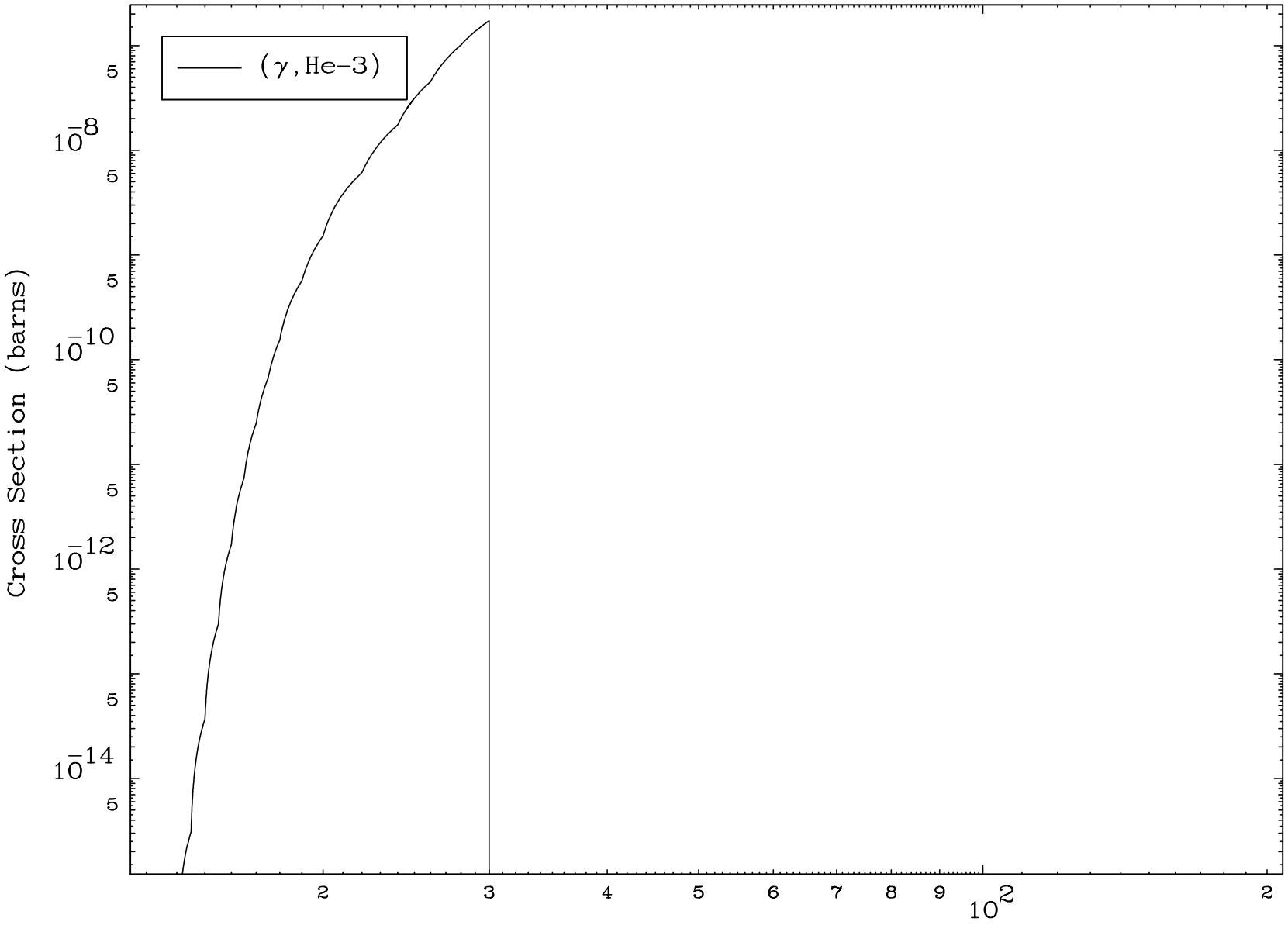

MAT 5289
(γ,n') Level
53-I -115
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
53-I -115

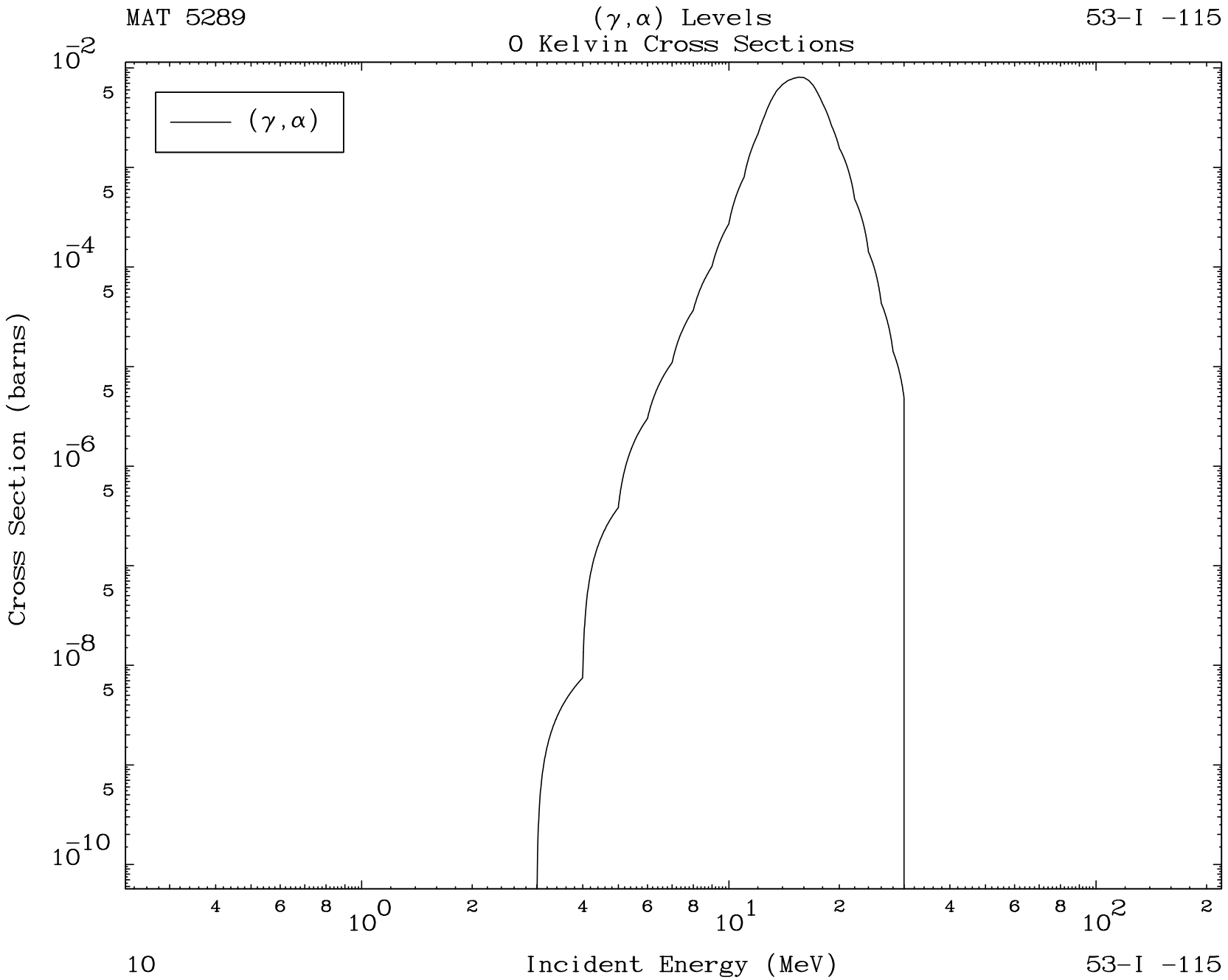

0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)

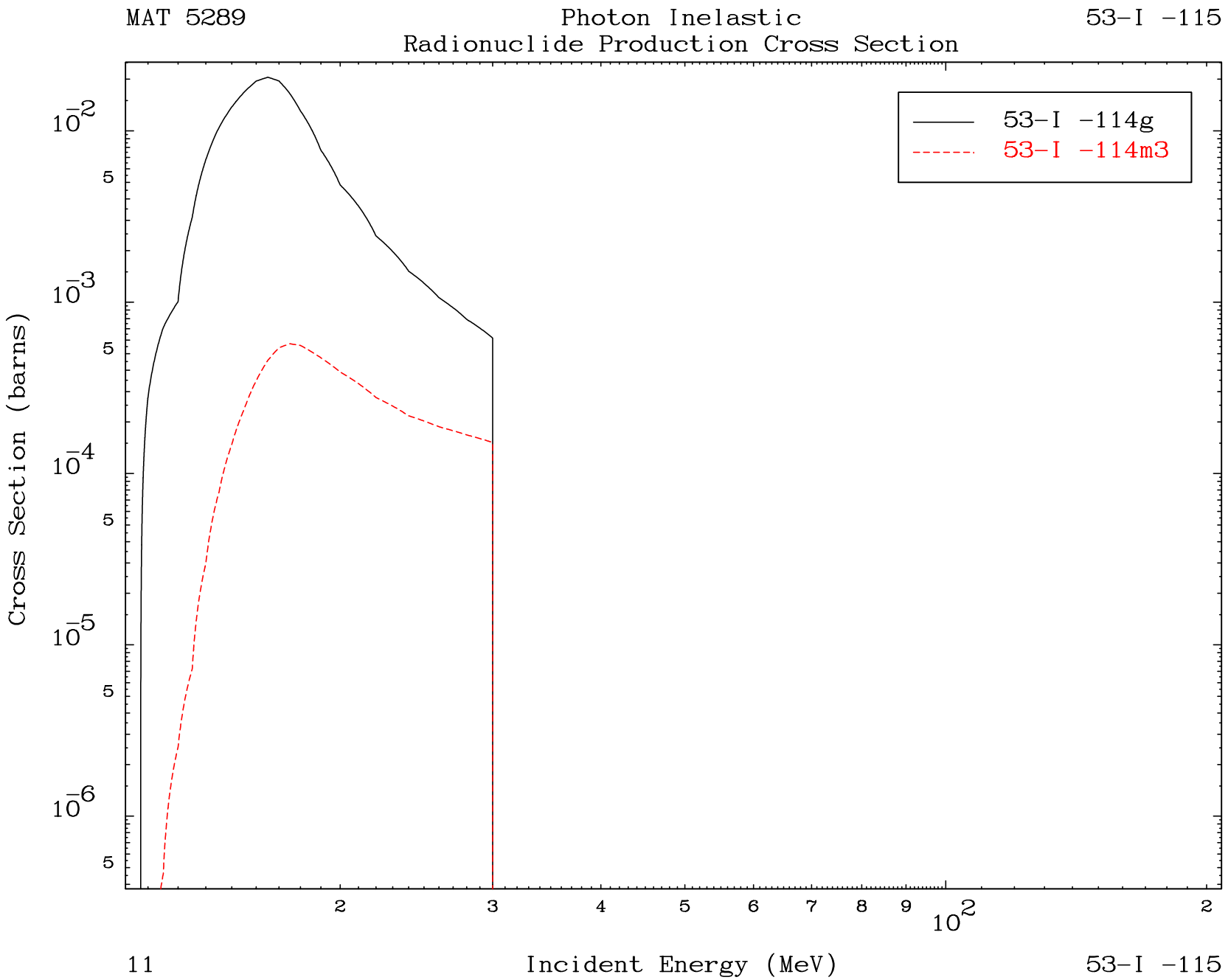

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

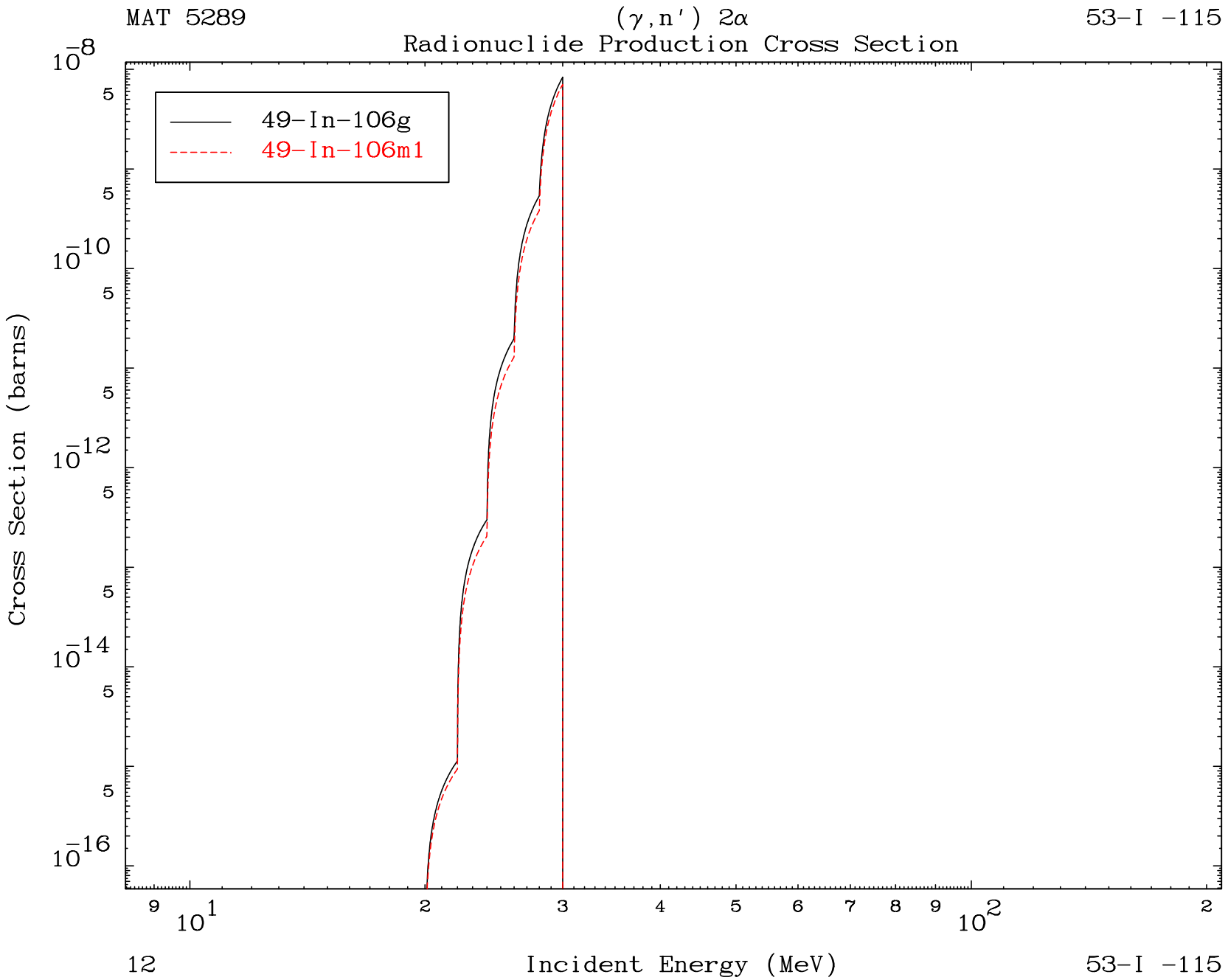

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10⁻8
5
5
10⁻10
5
5
10⁻12
5
5
10⁻14
5
2
3
4
5
6
7
8
9
10²
2
Incident Energy (MeV)

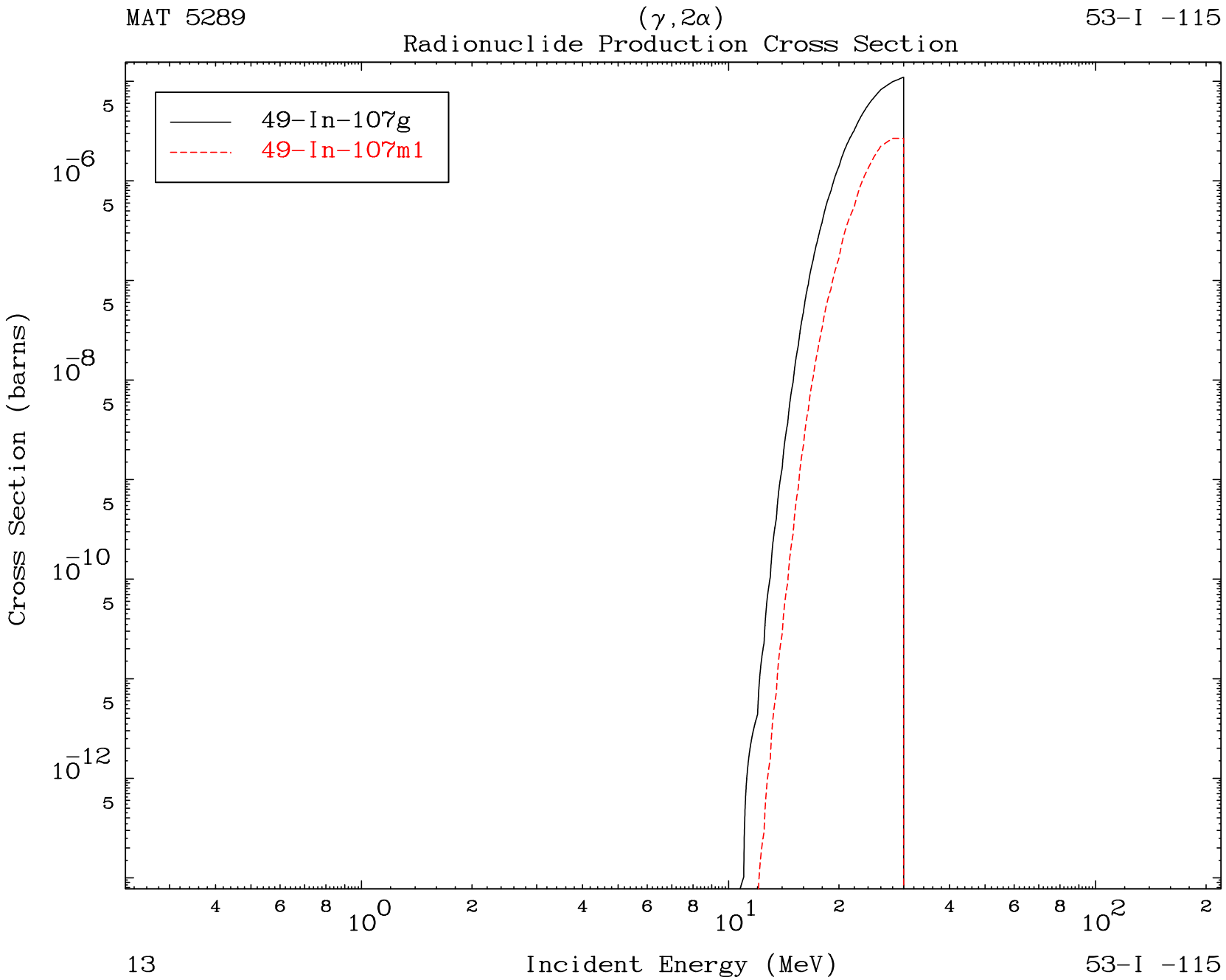
0 Kelvin Cross Sections




MAT 5289
(γ,α) Levels
53-I -115
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
53-I -115


MAT 5289
Photon Inelastic
53-I -115
Radionuclide Production Cross Section
53-I -114g
53-I -114m3
Cross Section (barns)
Incident Energy (MeV)
11
53-I -115


MAT 5289
(γ,n') 2α
53-I -115
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
12
53-I -115


MAT 5289
(γ,2α)
53-I -115
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
13
Incident Energy (MeV)
53-I -115