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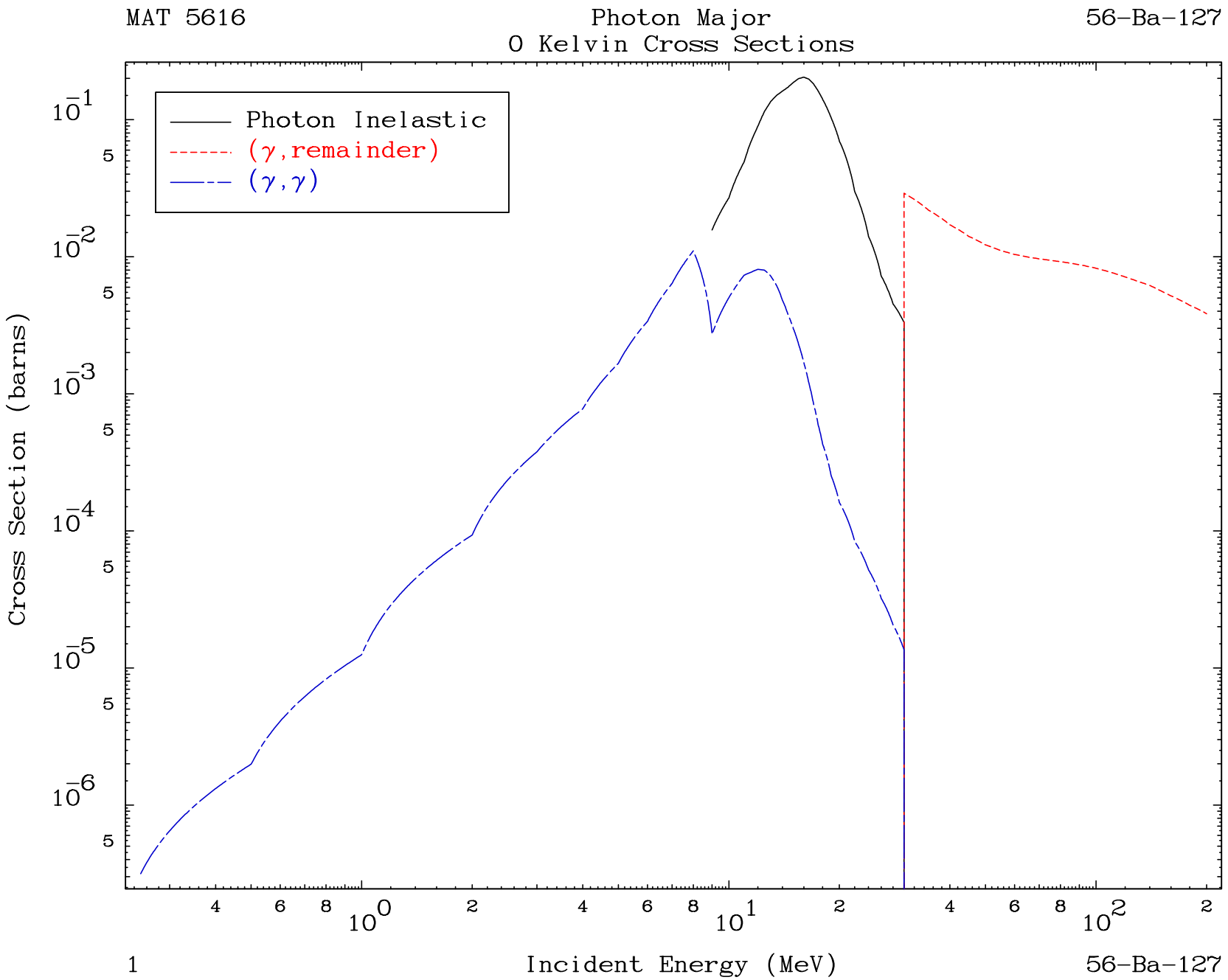
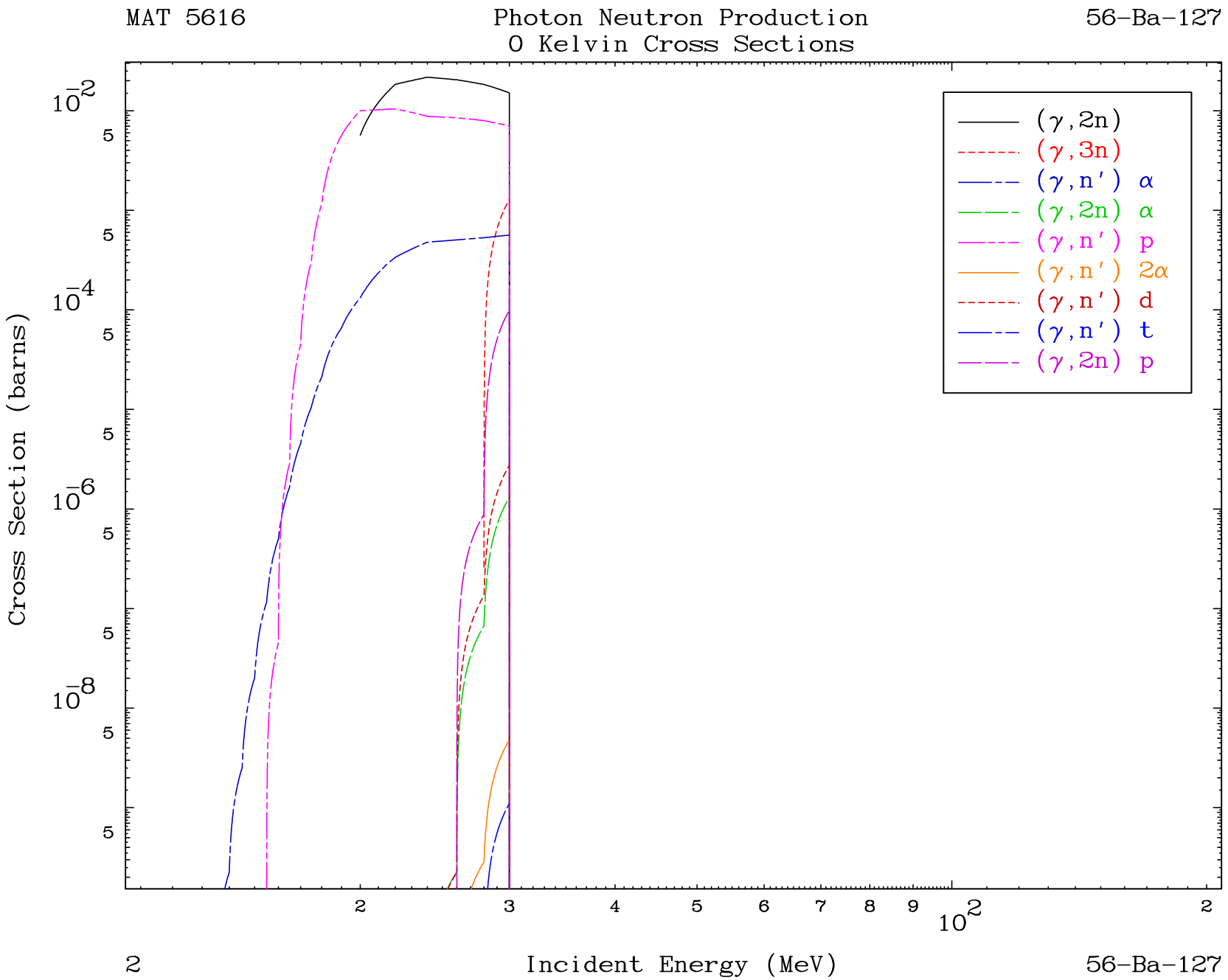
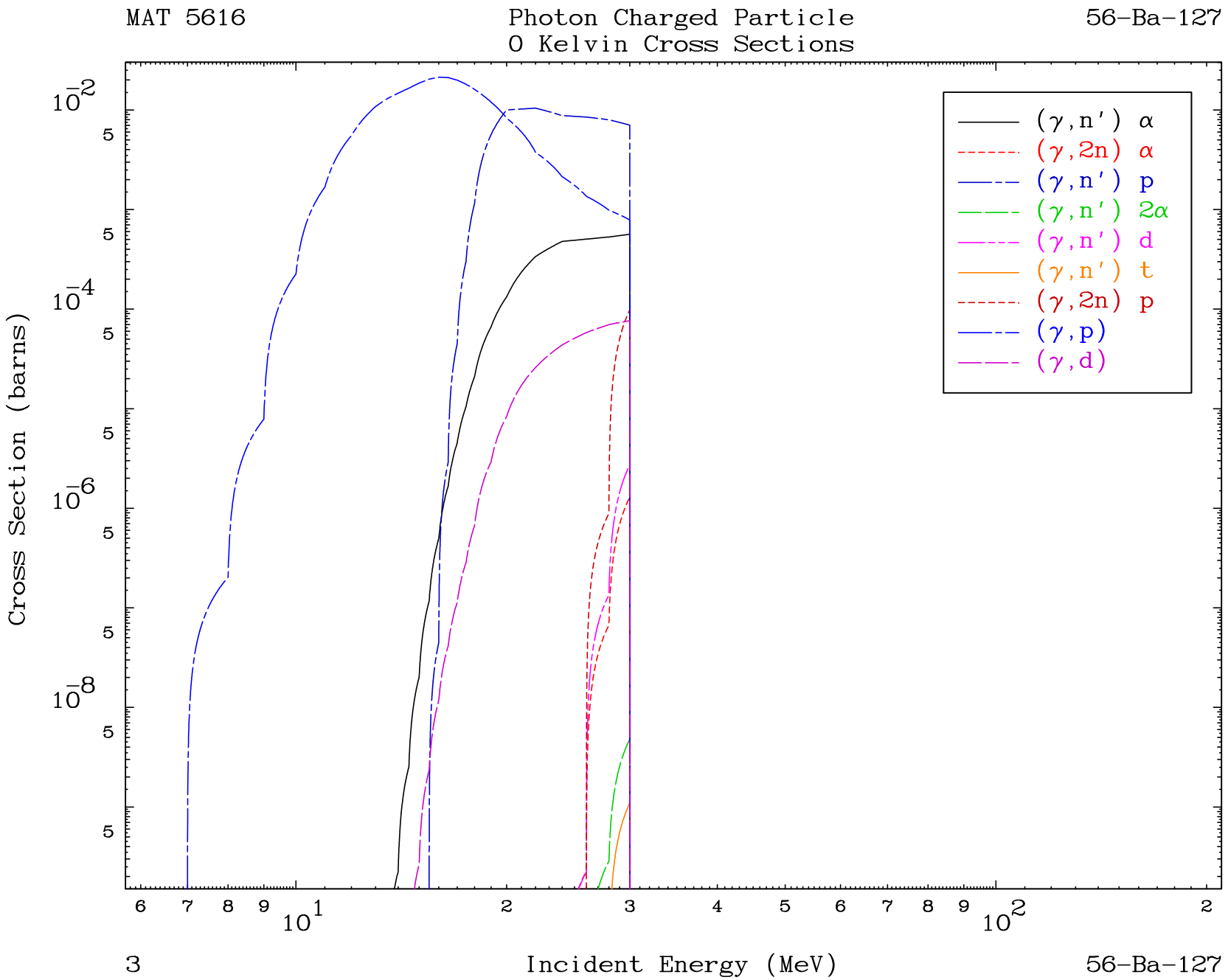
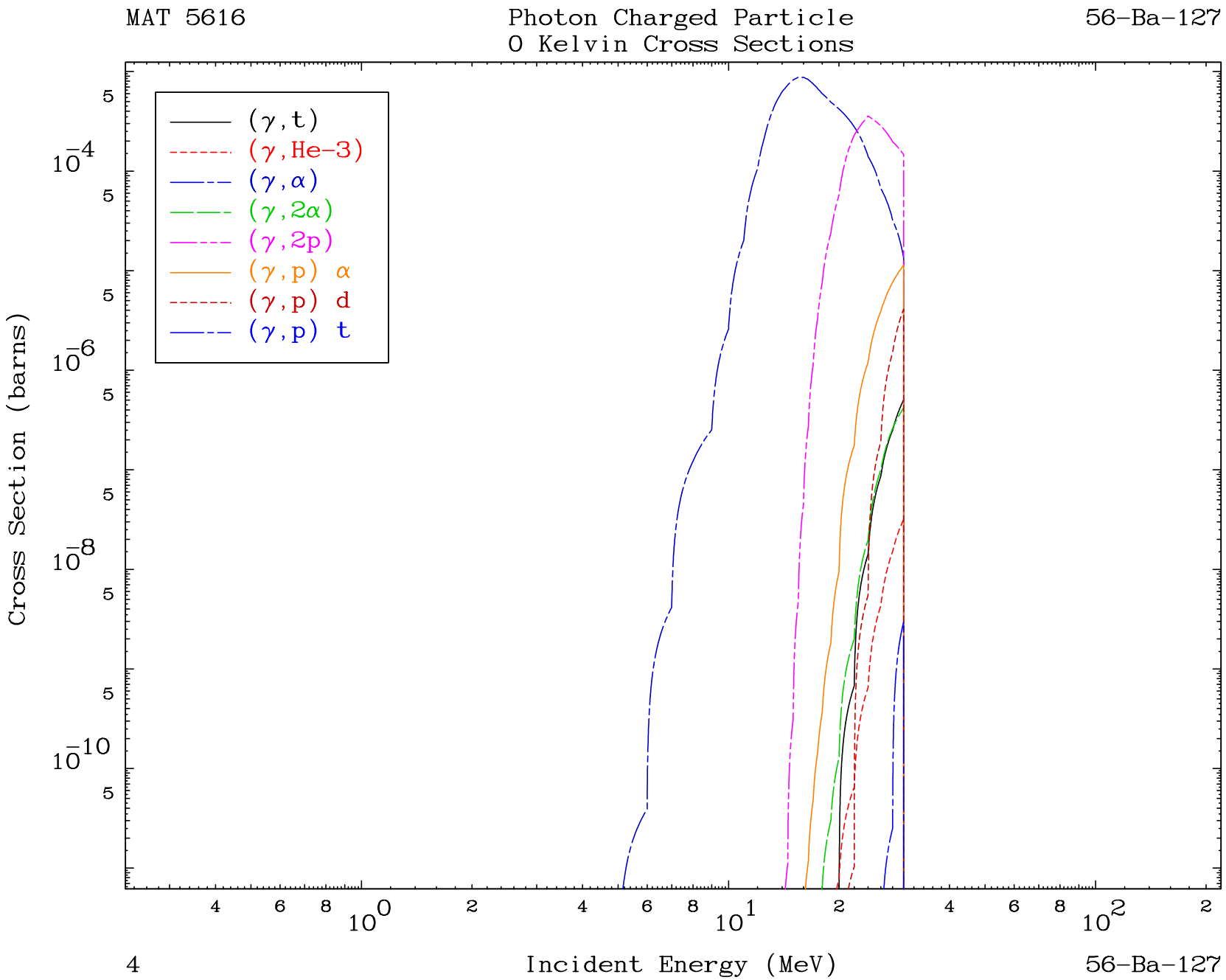
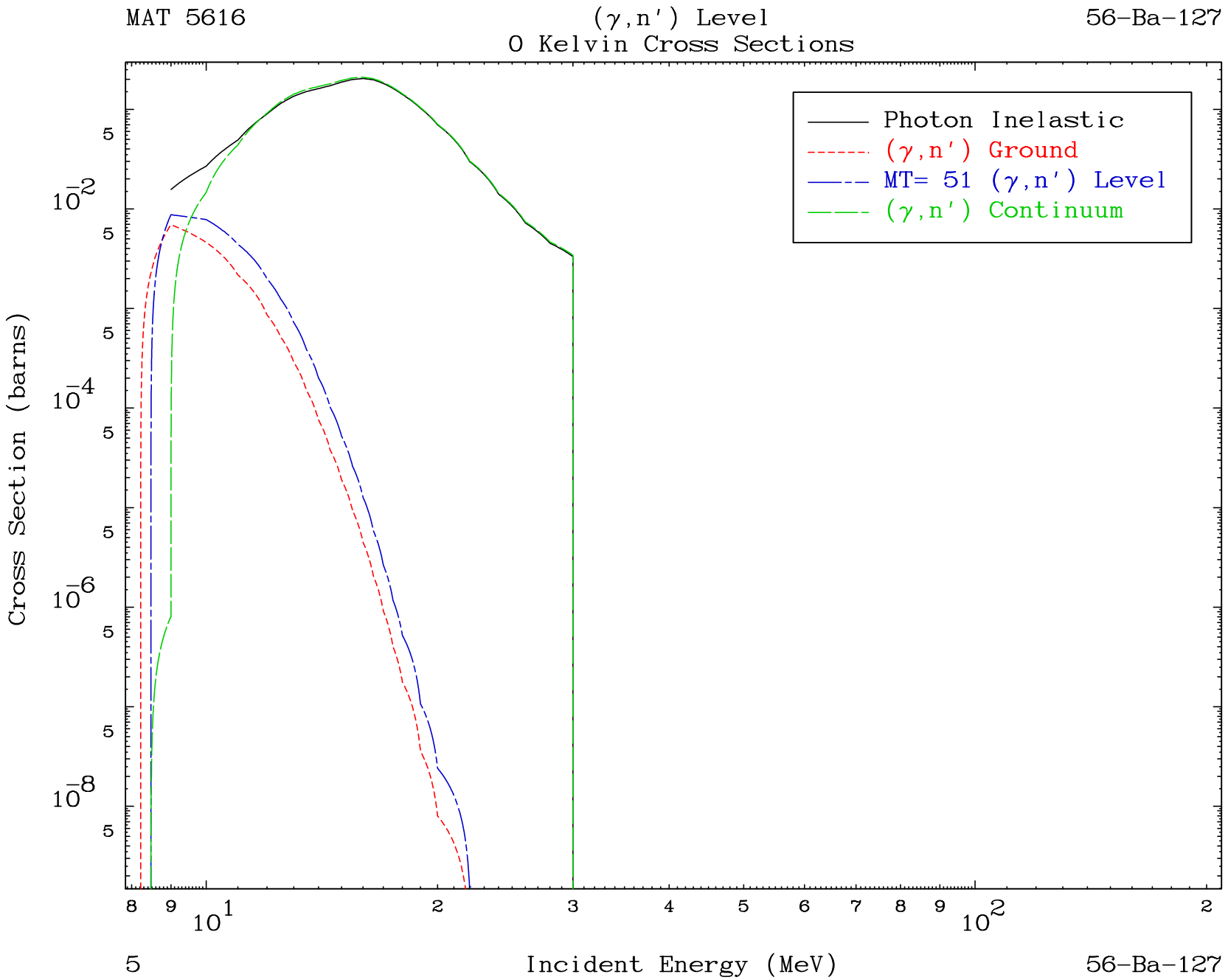
Press Mouse Button to Start

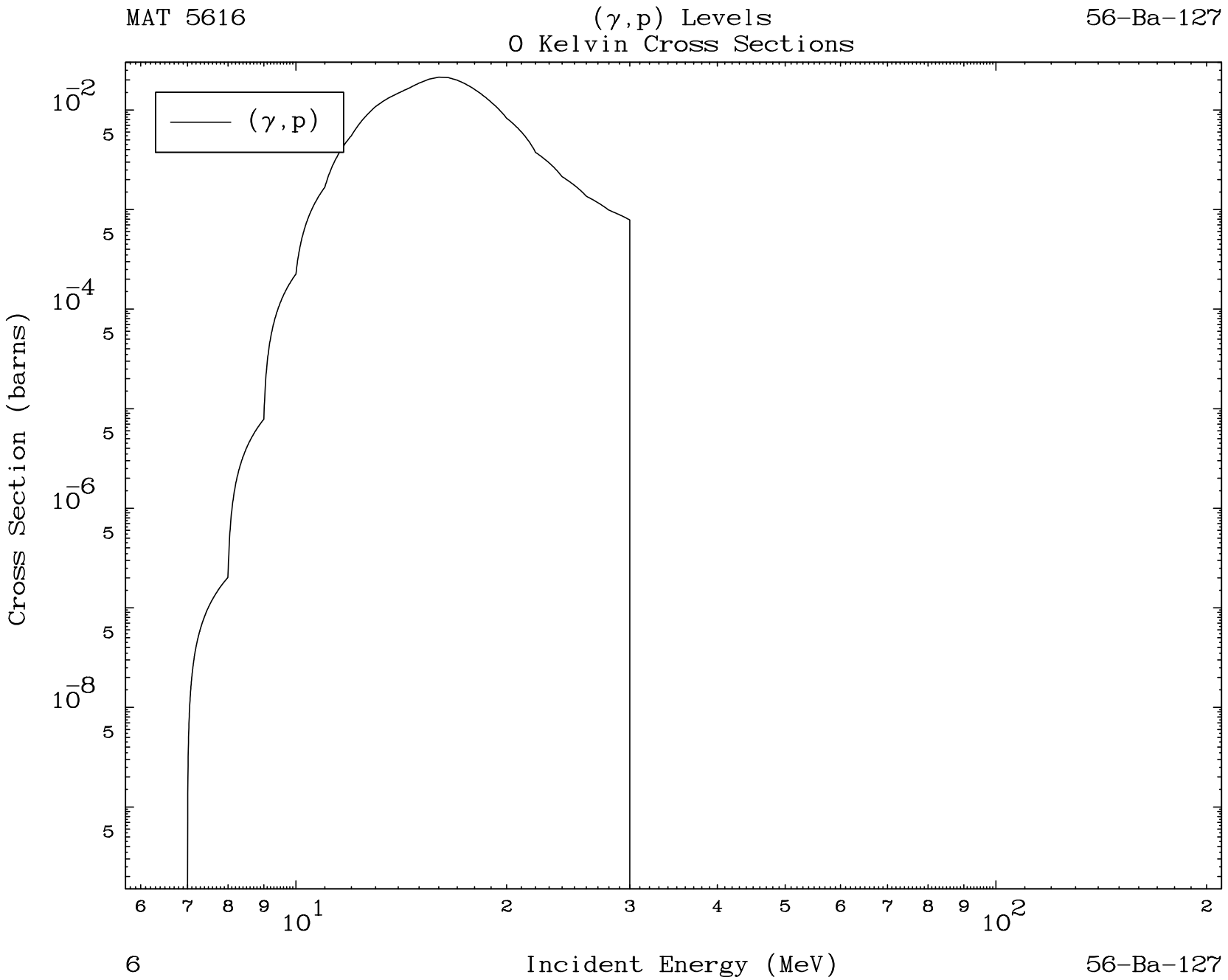

MAT 5616
Photon Major
56-Ba-127
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
1
56-Ba-127

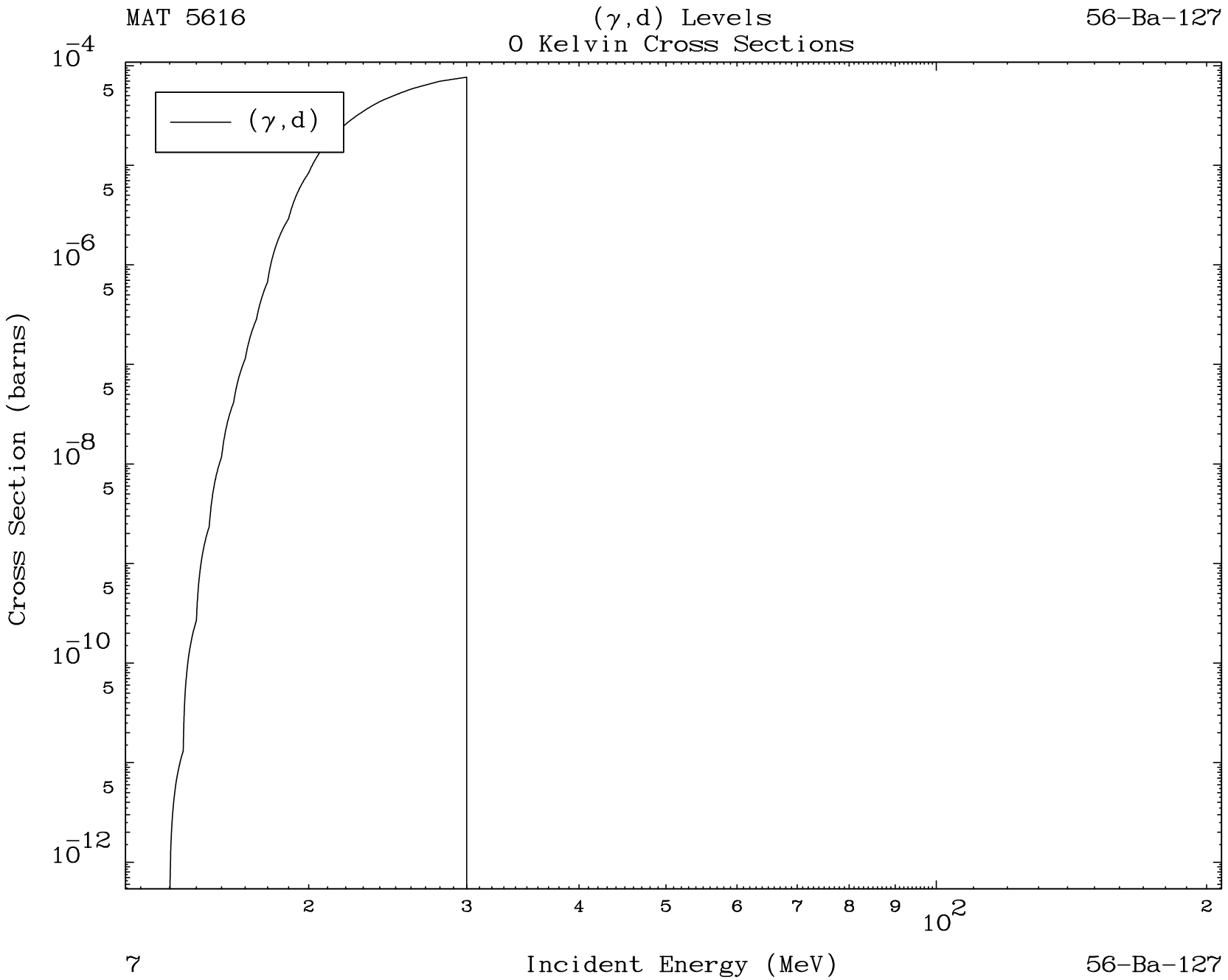

MAT 5616
Photon Neutron Production
0 Kelvin Cross Sections
56-Ba-127
Cross Section (barns)
Incident Energy (MeV)
56-Ba-127
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p

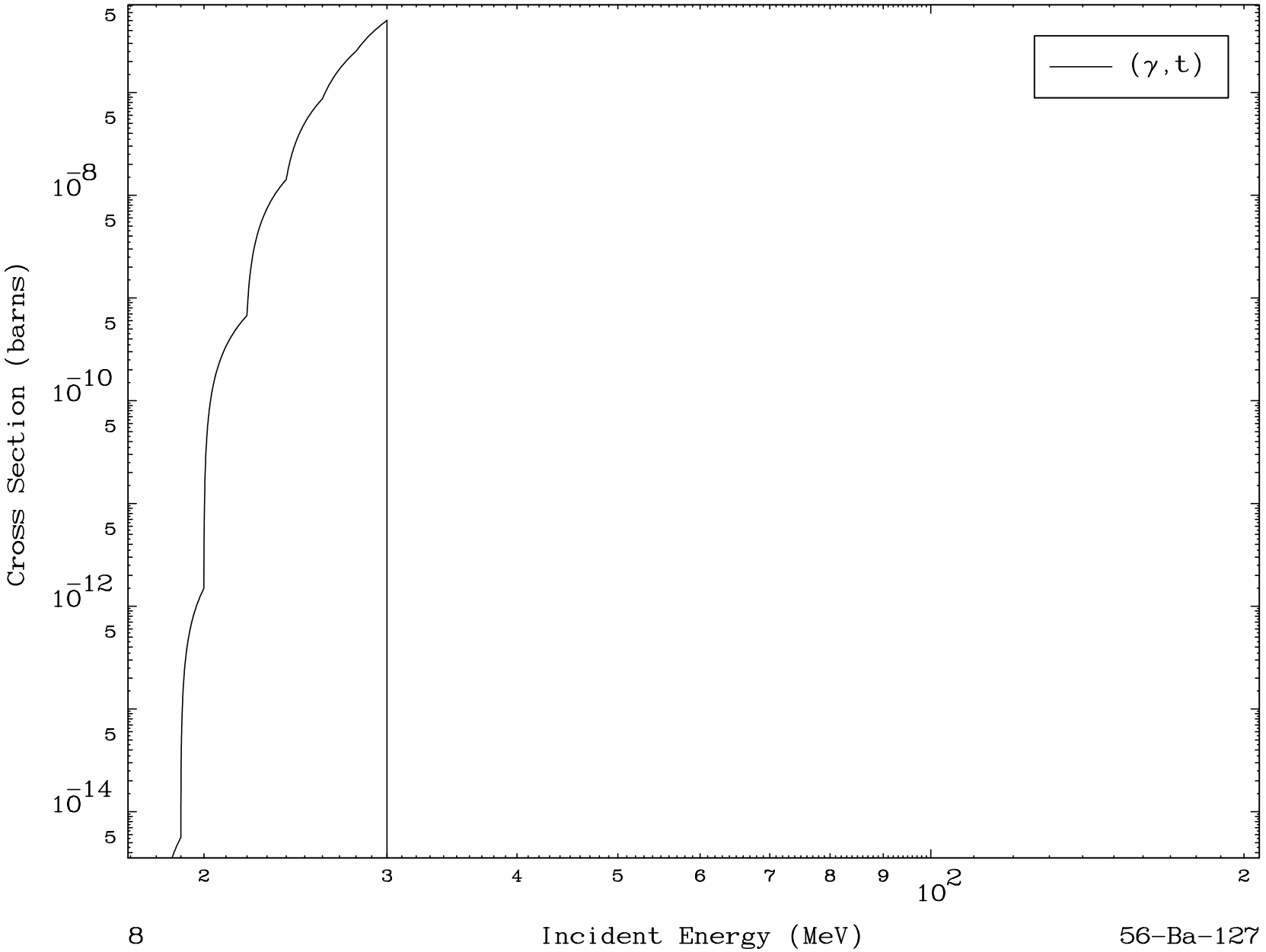

MAT 5616
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-127
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
3
56-Ba-127


MAT 5616
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-127
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-127

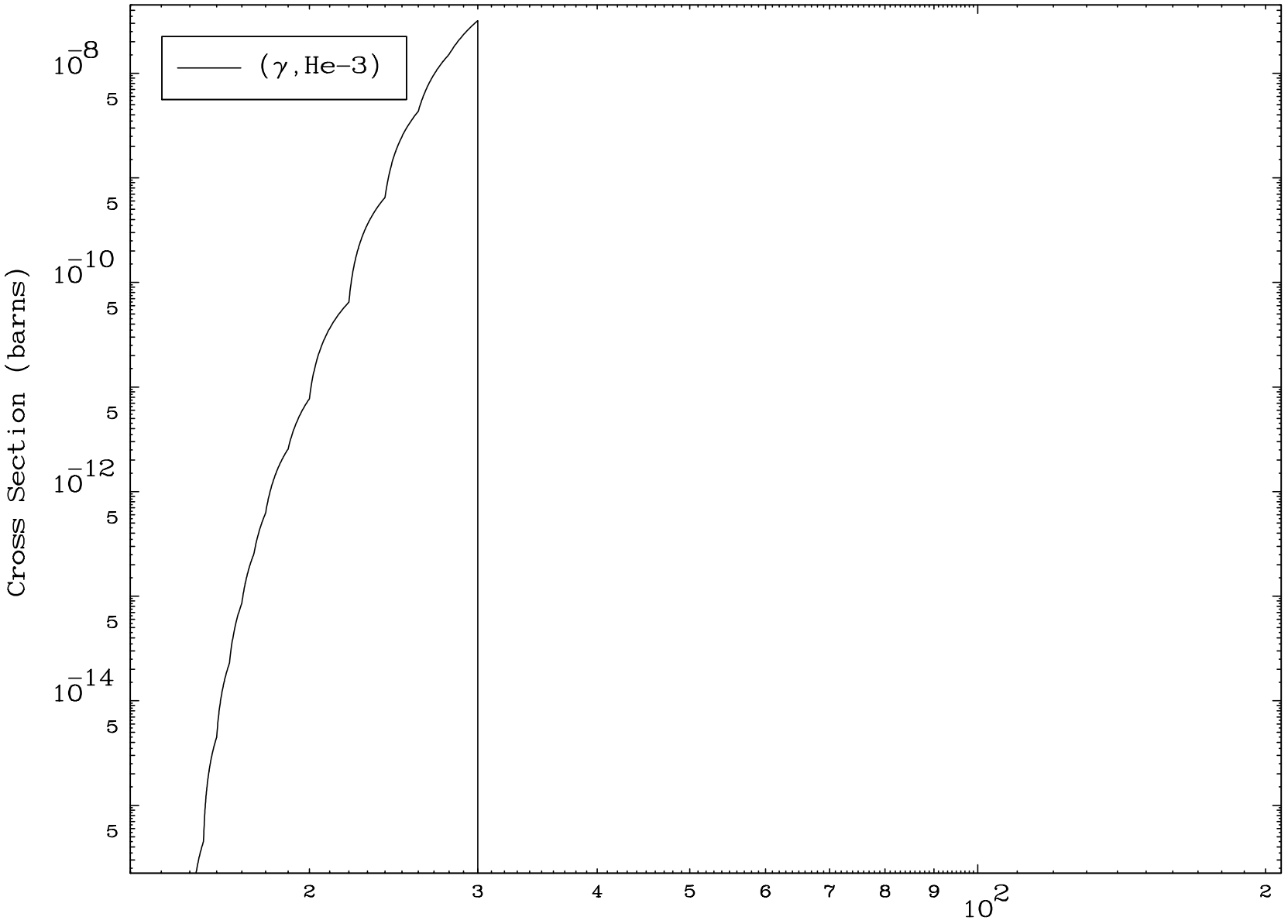

MAT 5616
(γ,n') Level
56-Ba-127
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
56-Ba-127

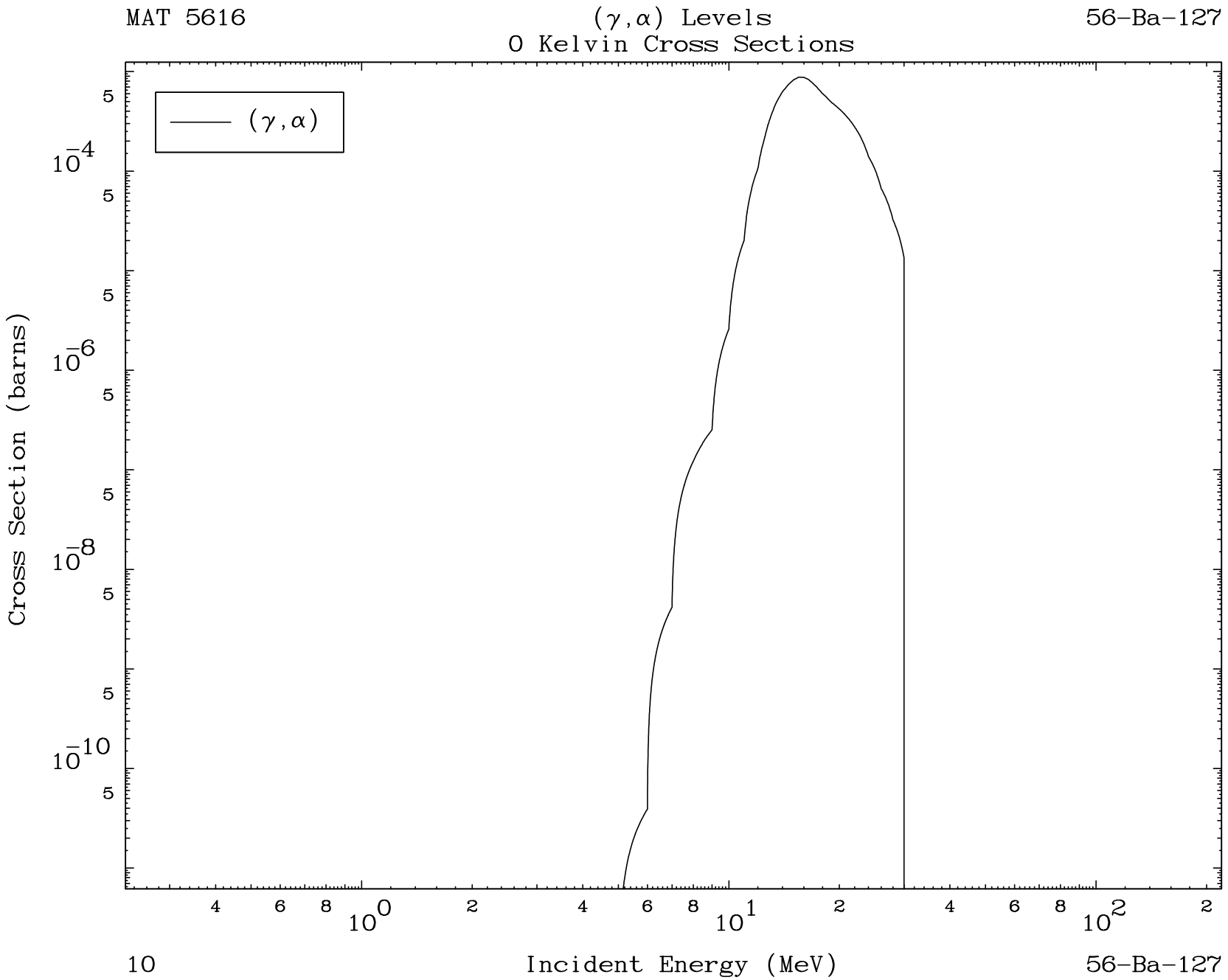

MAT 5616
(γ,p) Levels
56-Ba-127
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
56-Ba-127

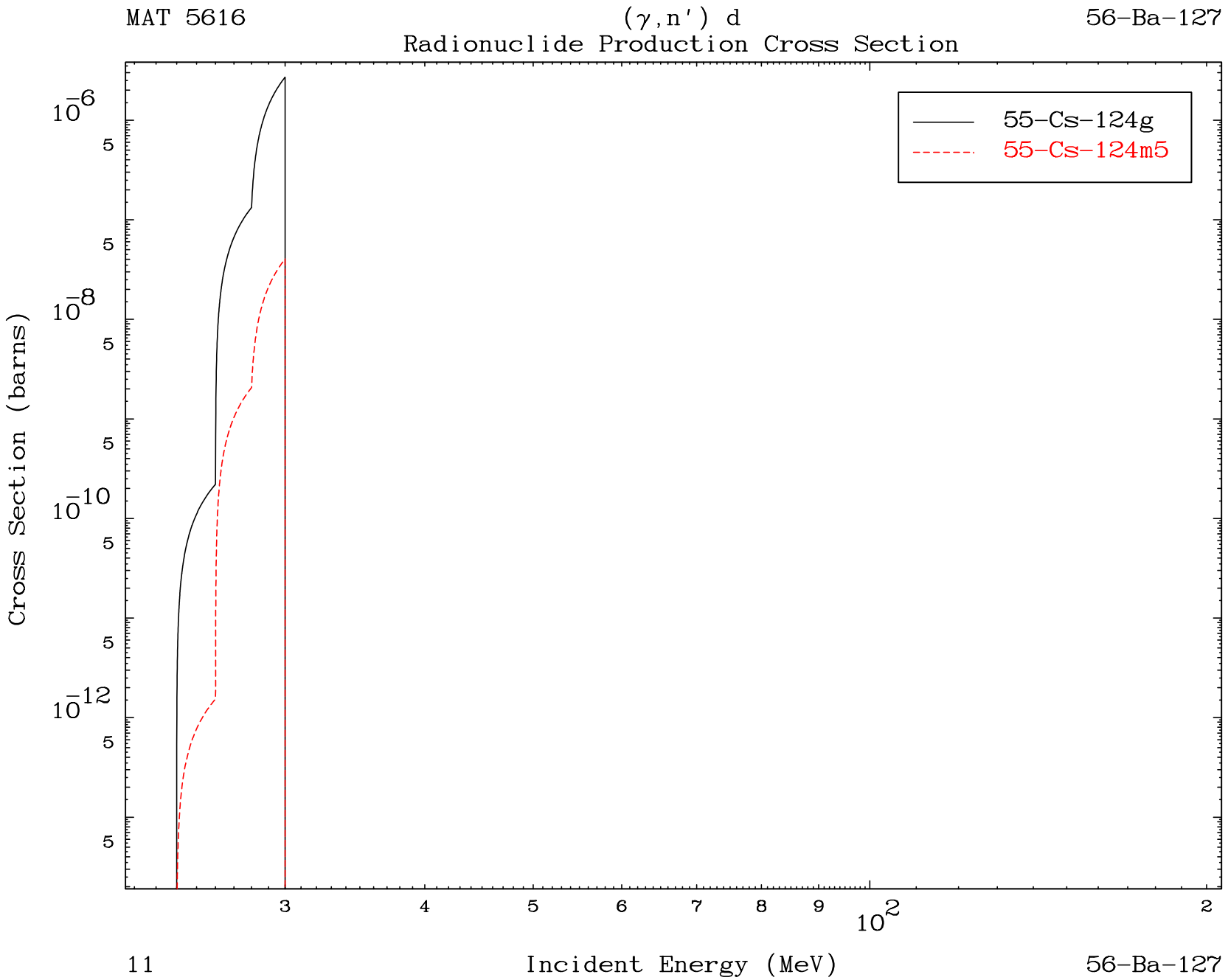

MAT 5616
(γ,d) Levels
56-Ba-127
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
56-Ba-127

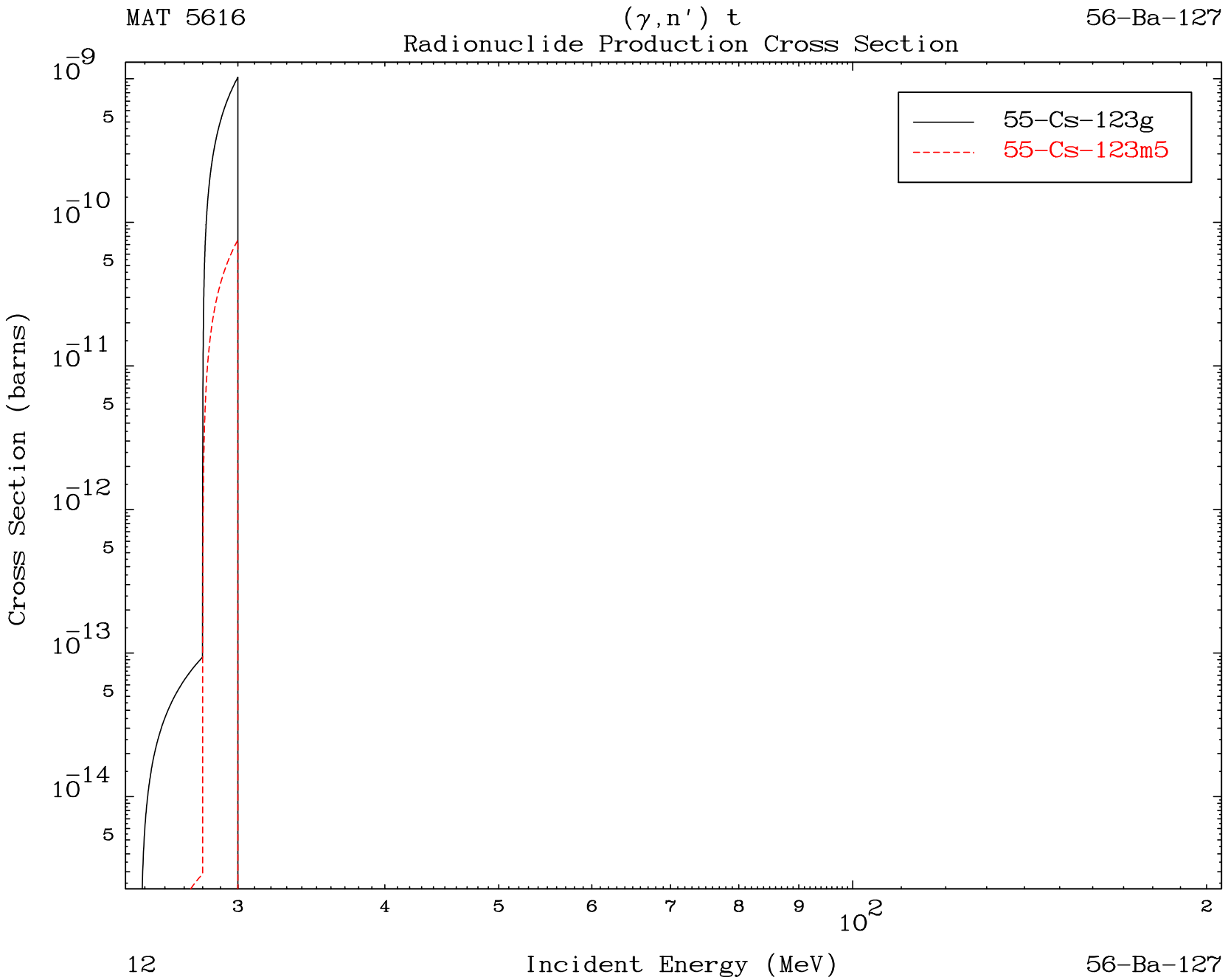

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

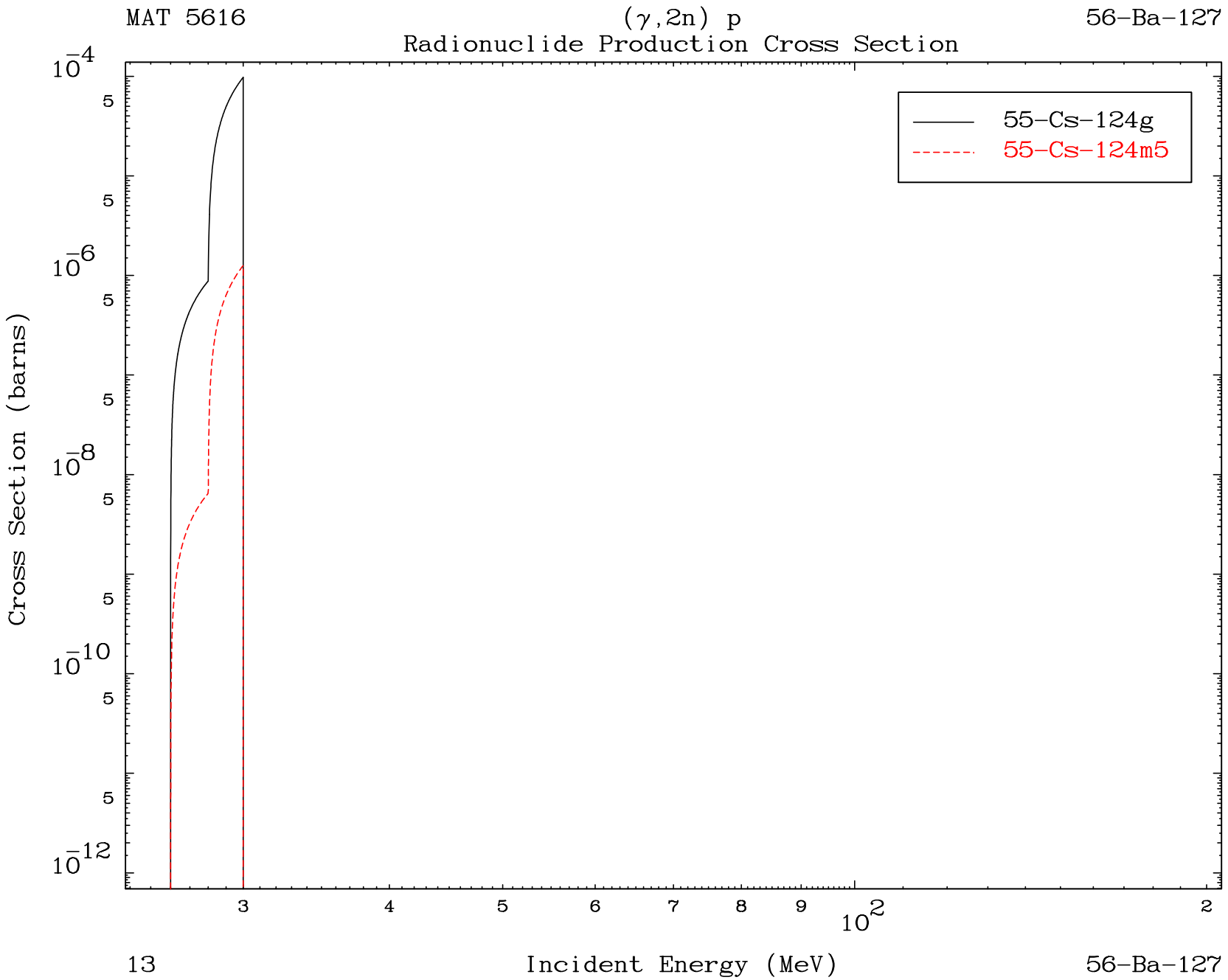
0 Kelvin Cross Sections

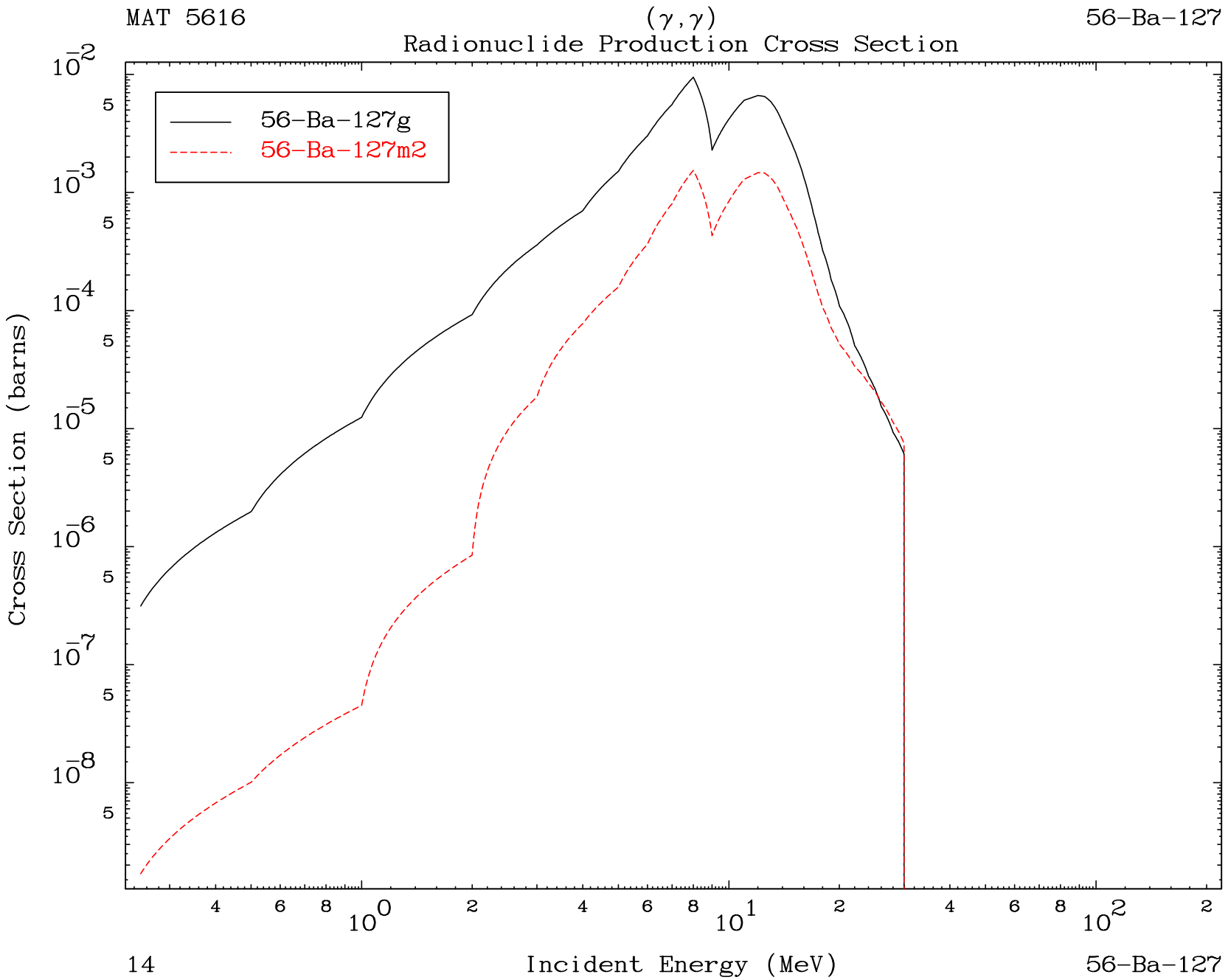


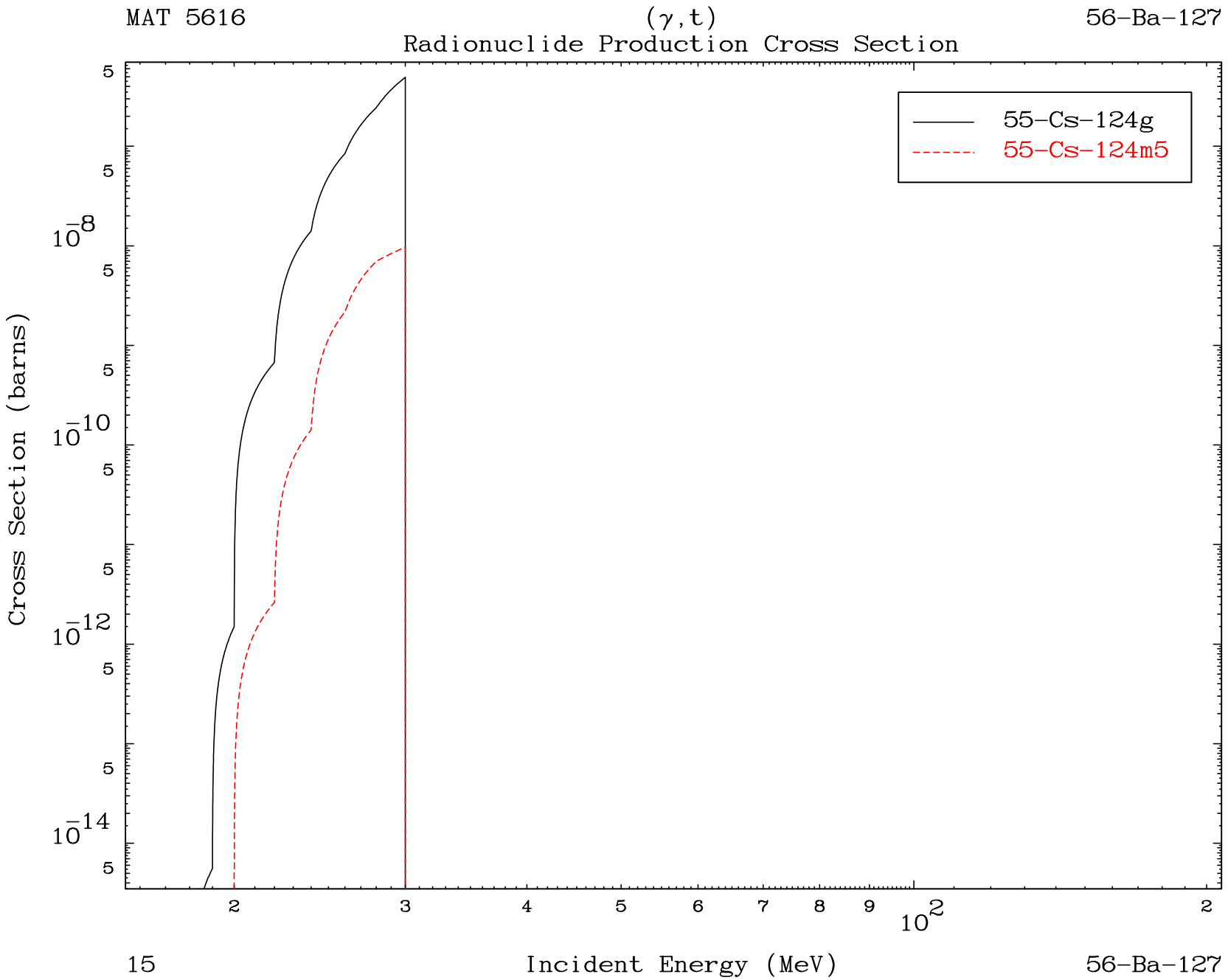

MAT 5616
(γ,α) Levels
56-Ba-127
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
10
56-Ba-127

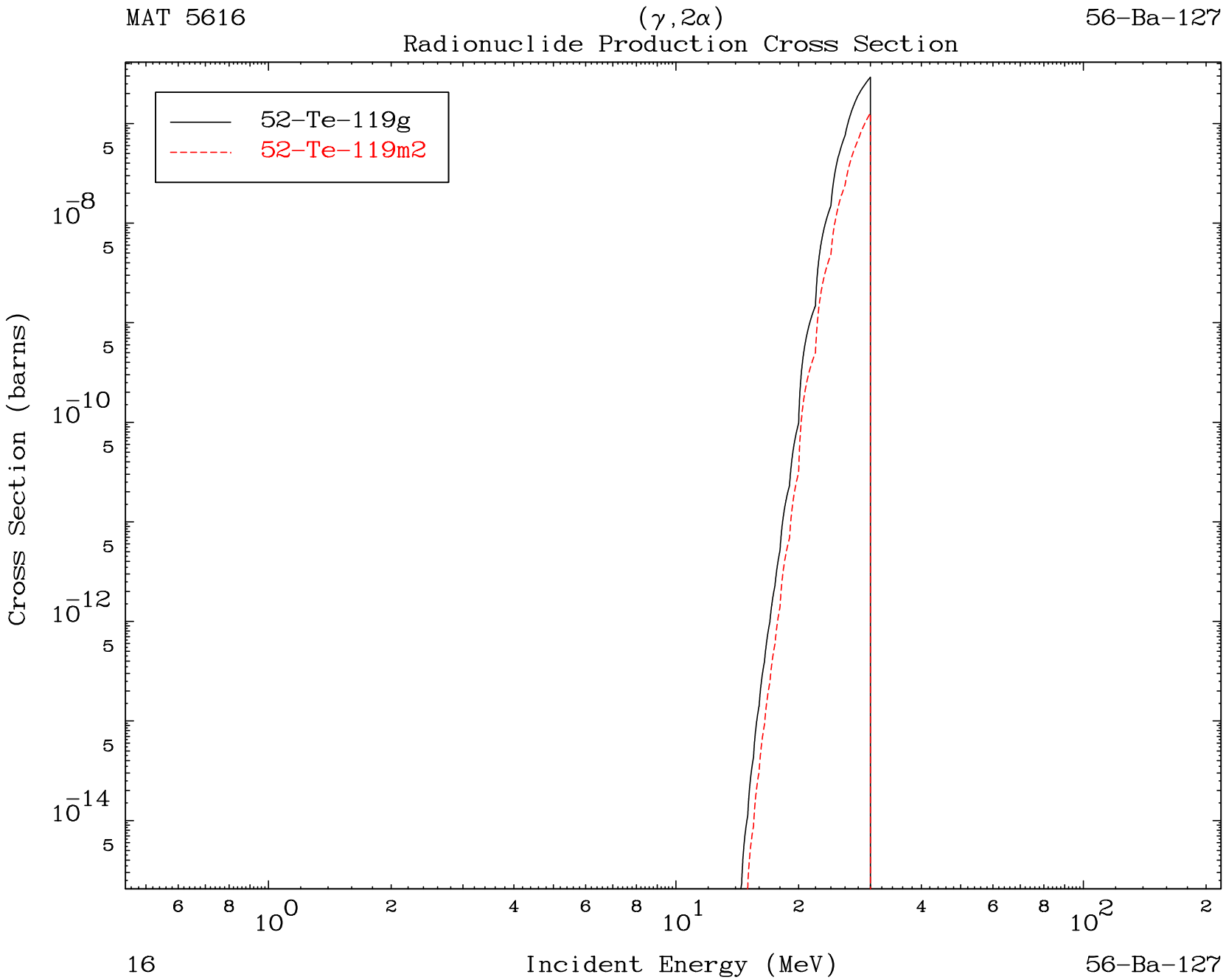

MAT 5616
(γ,n') d
56-Ba-127
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
56-Ba-127

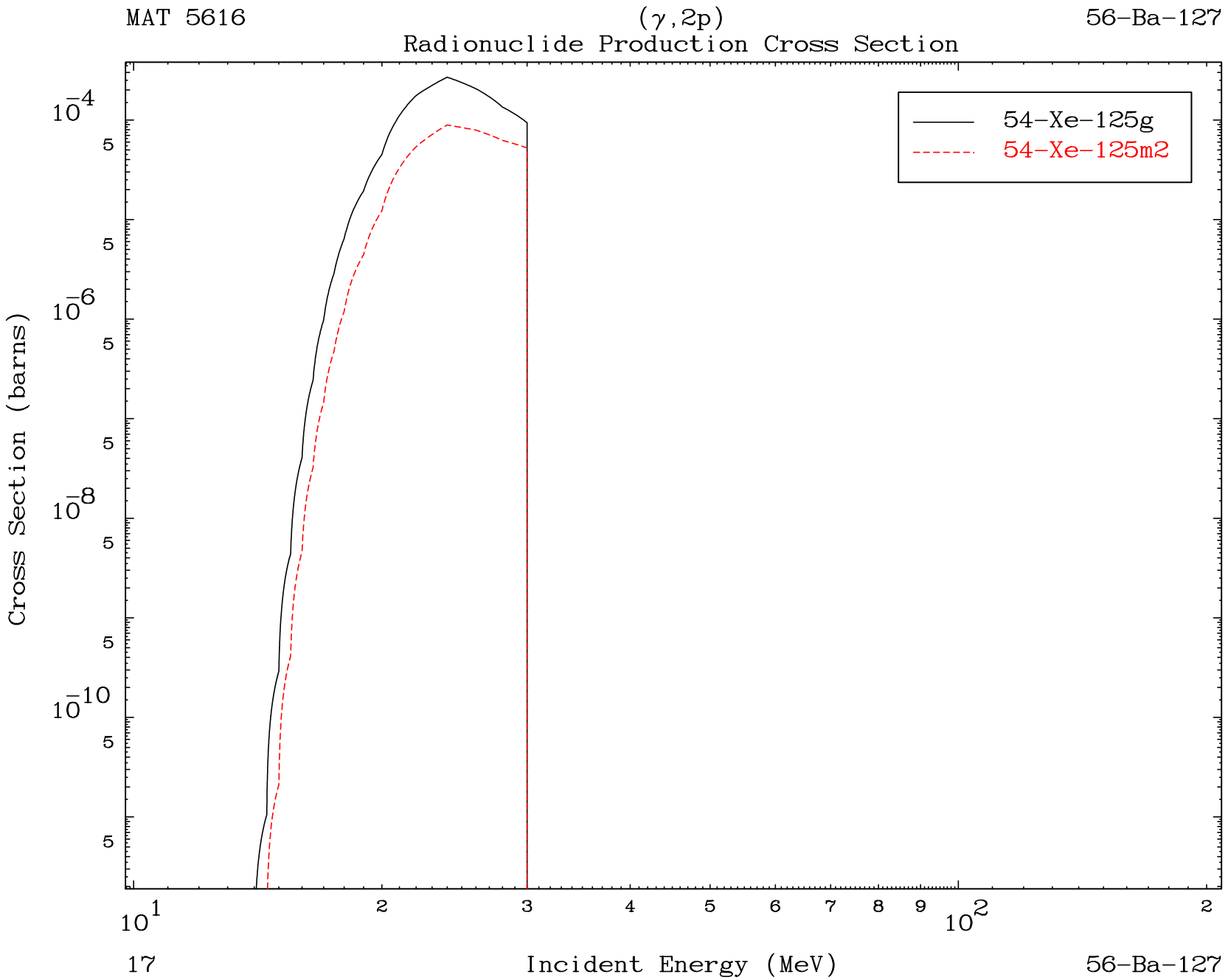

MAT 5616
(γ,n') t
56-Ba-127
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
56-Ba-127


MAT 5616
(γ,2n) p
56-Ba-127
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
56-Ba-127


MAT 5616
(γ,γ)
56-Ba-127
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
Incident Energy (MeV)
14
56-Ba-127


MAT 5616
(γ,t)
56-Ba-127
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m5
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
56-Ba-127


MAT 5616
(γ,2α)
56-Ba-127
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
10^1
10^2
2
4
6
8
16
Incident Energy (MeV)
56-Ba-127


MAT 5616
(γ,2p)
56-Ba-127
Radionuclide Production Cross Section
54-Xe-125g
54-Xe-125m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
17
56-Ba-127