Program EVALPLOT
(Version 2017-1)
by
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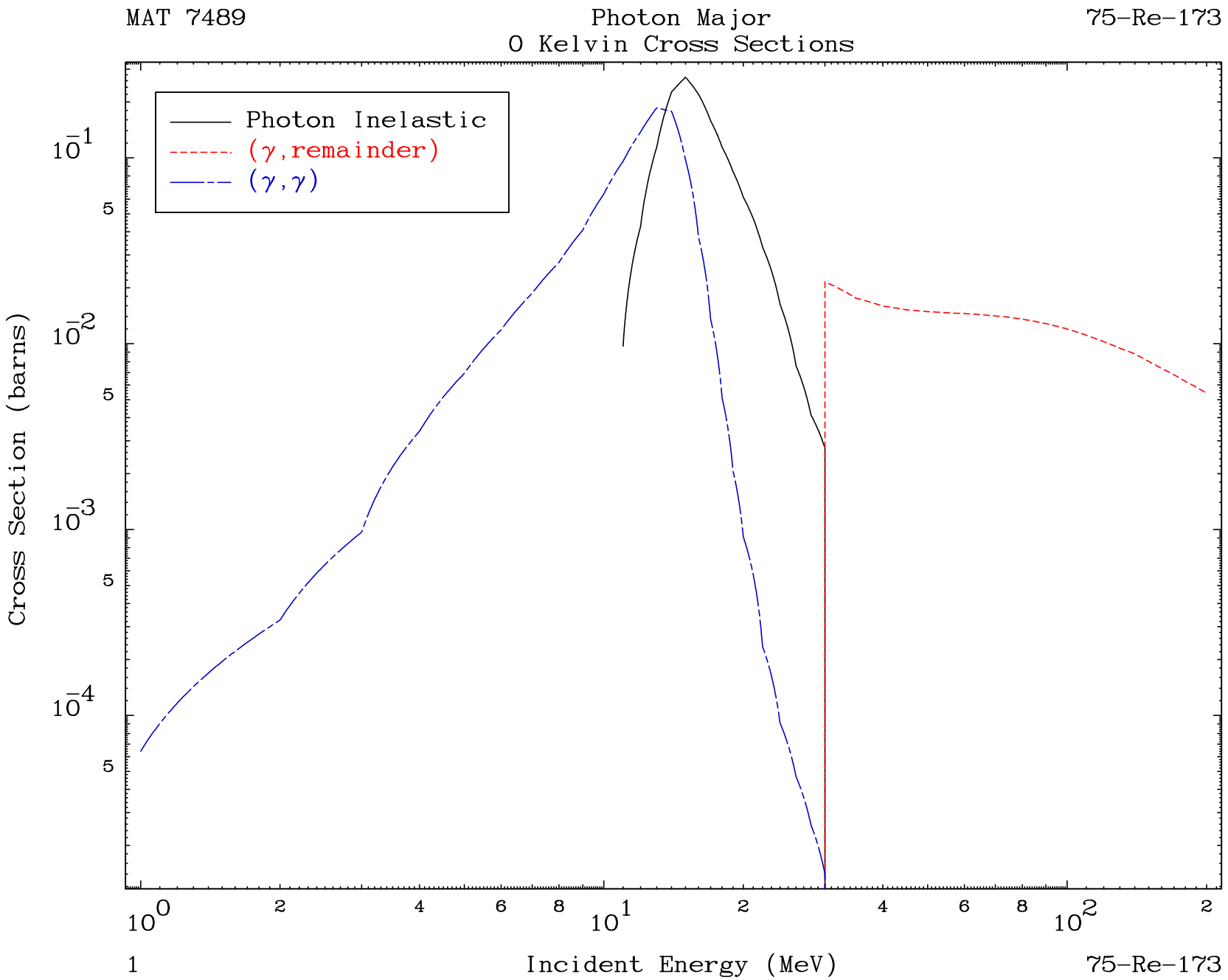
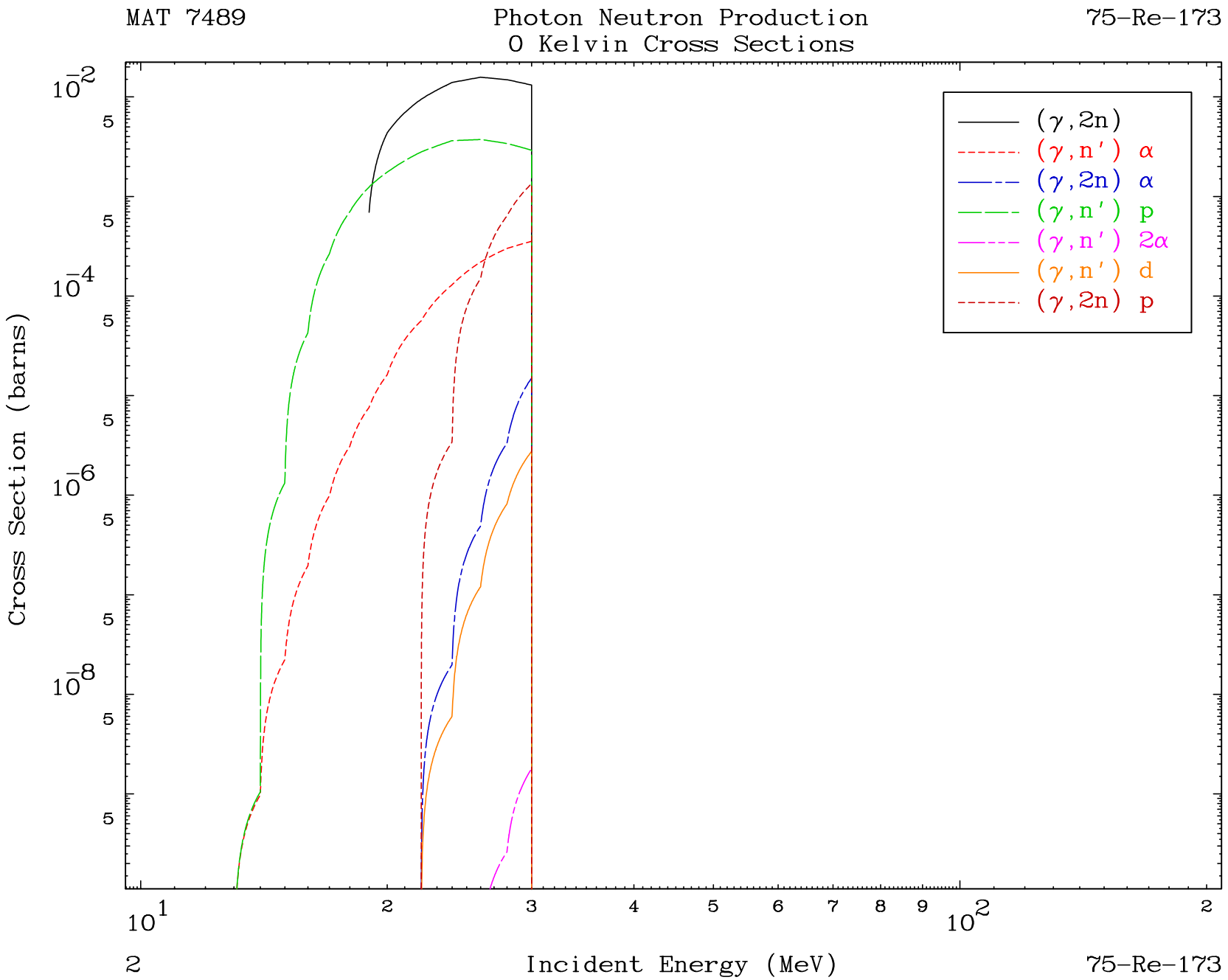
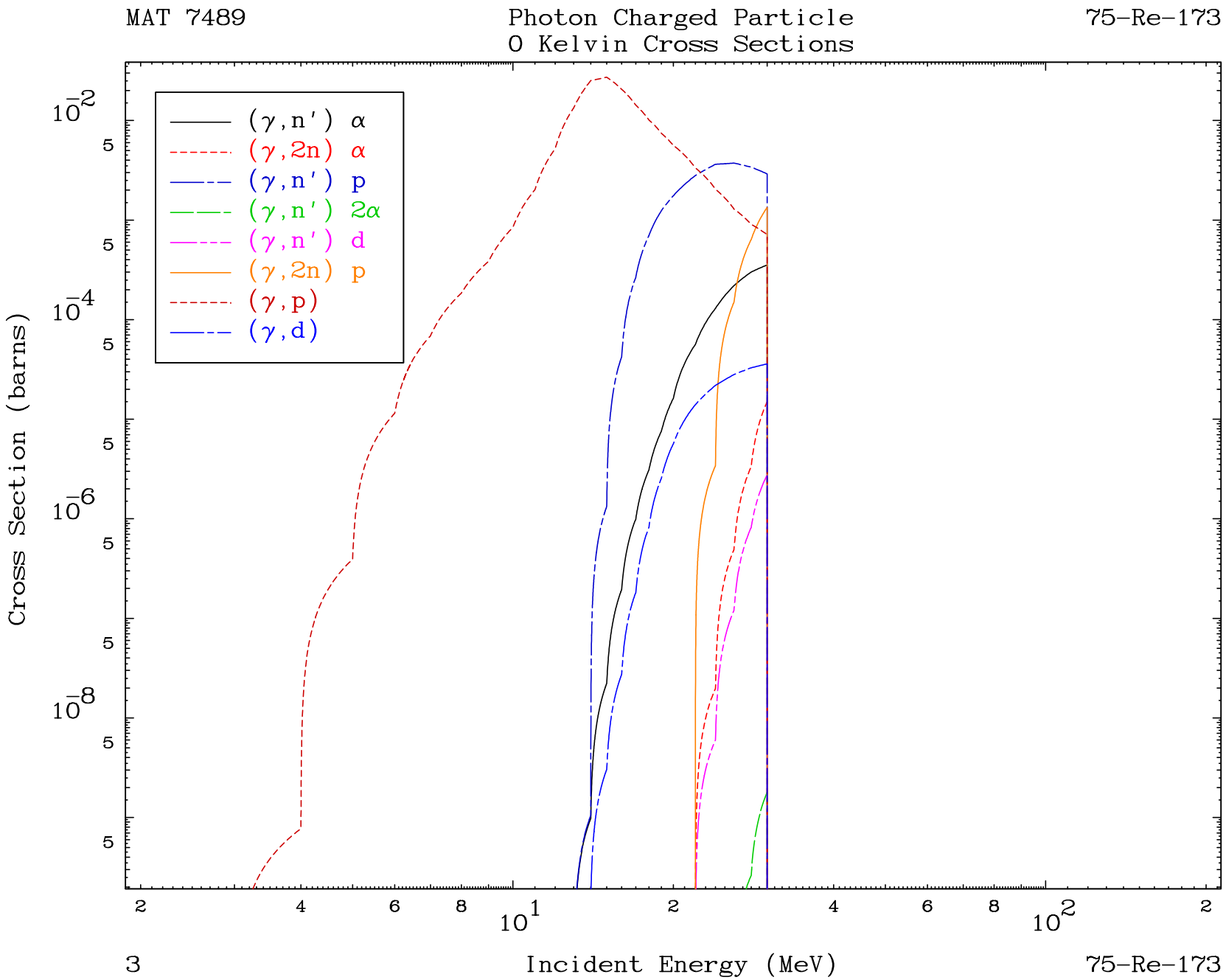
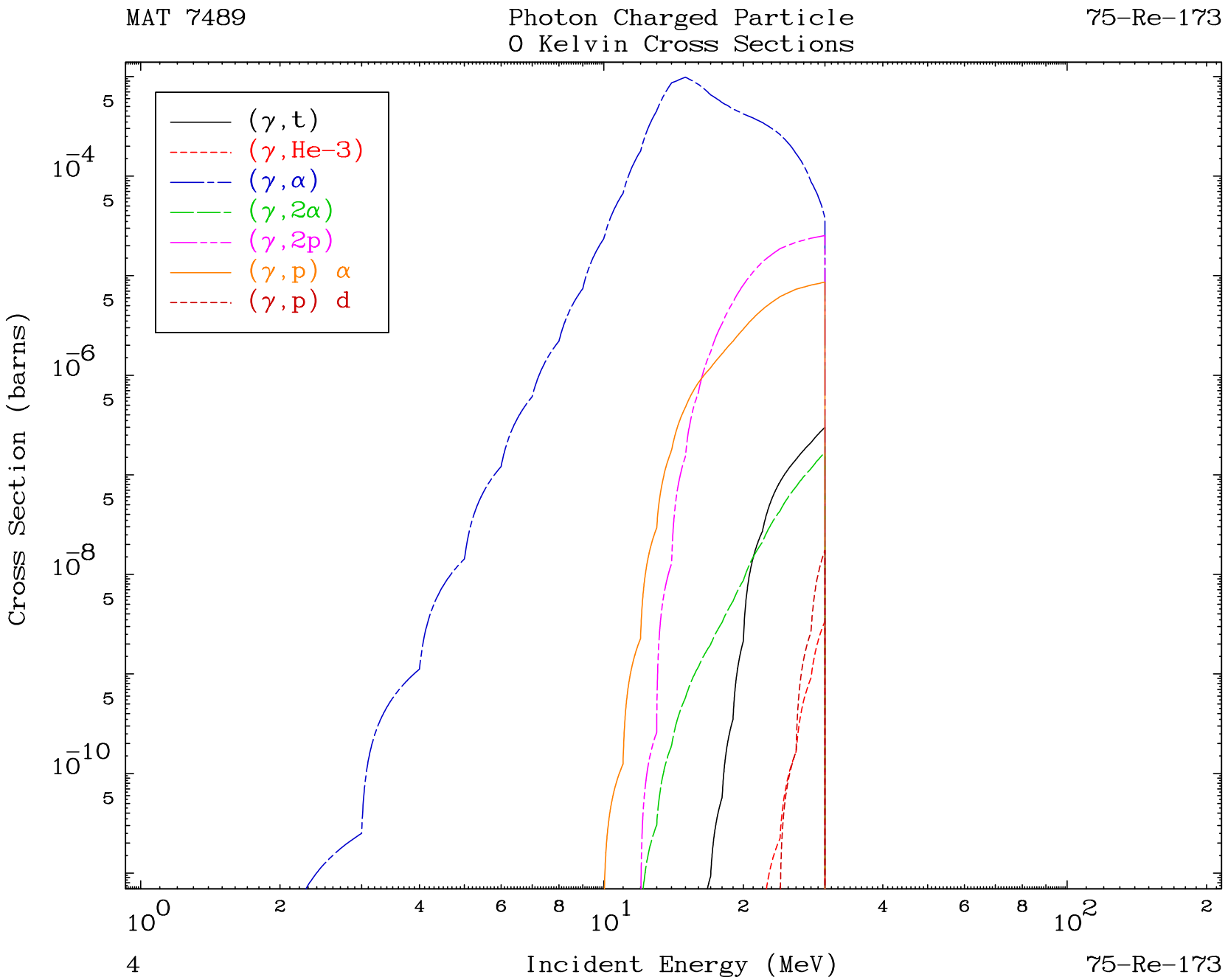
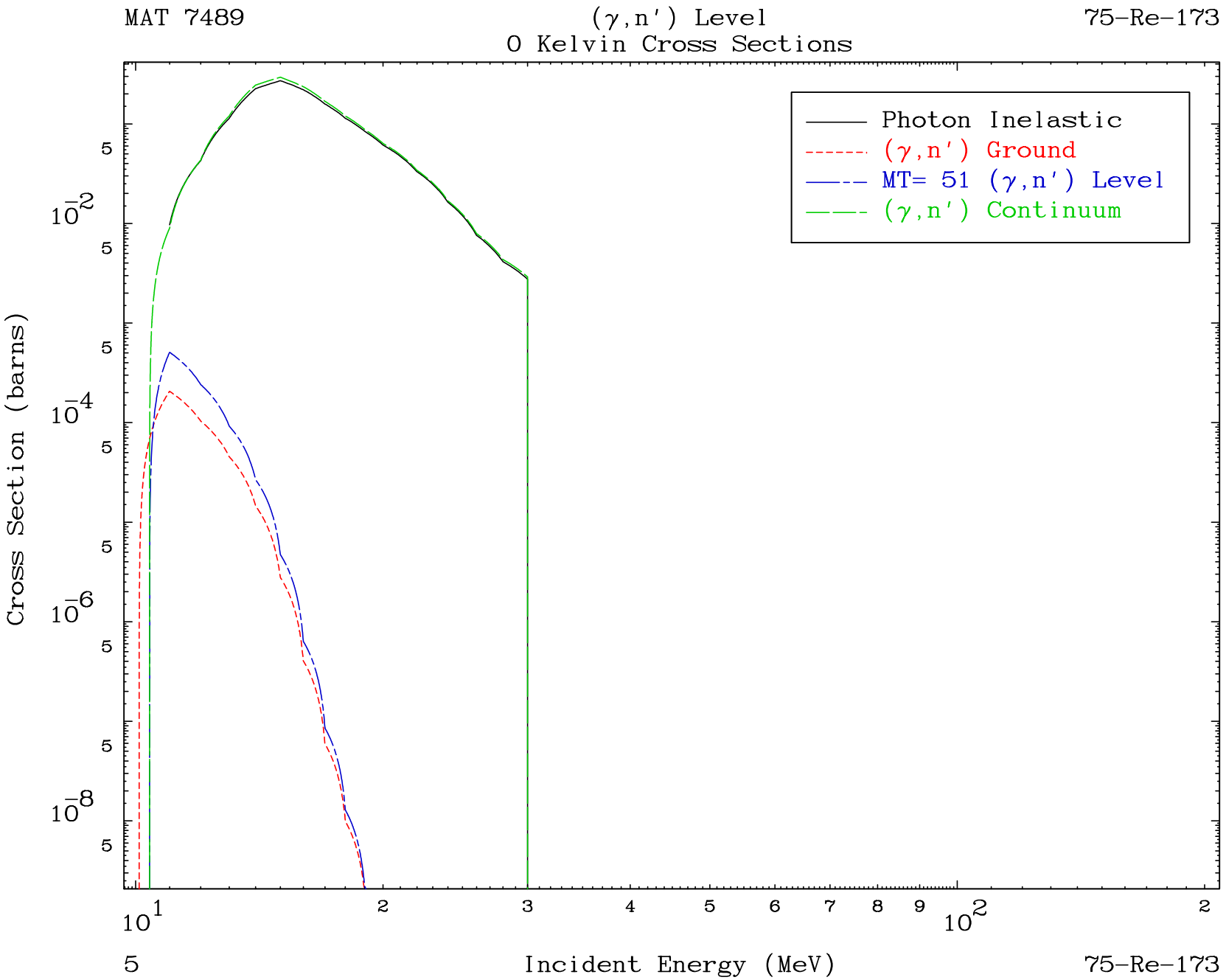
Press Mouse Button to Start

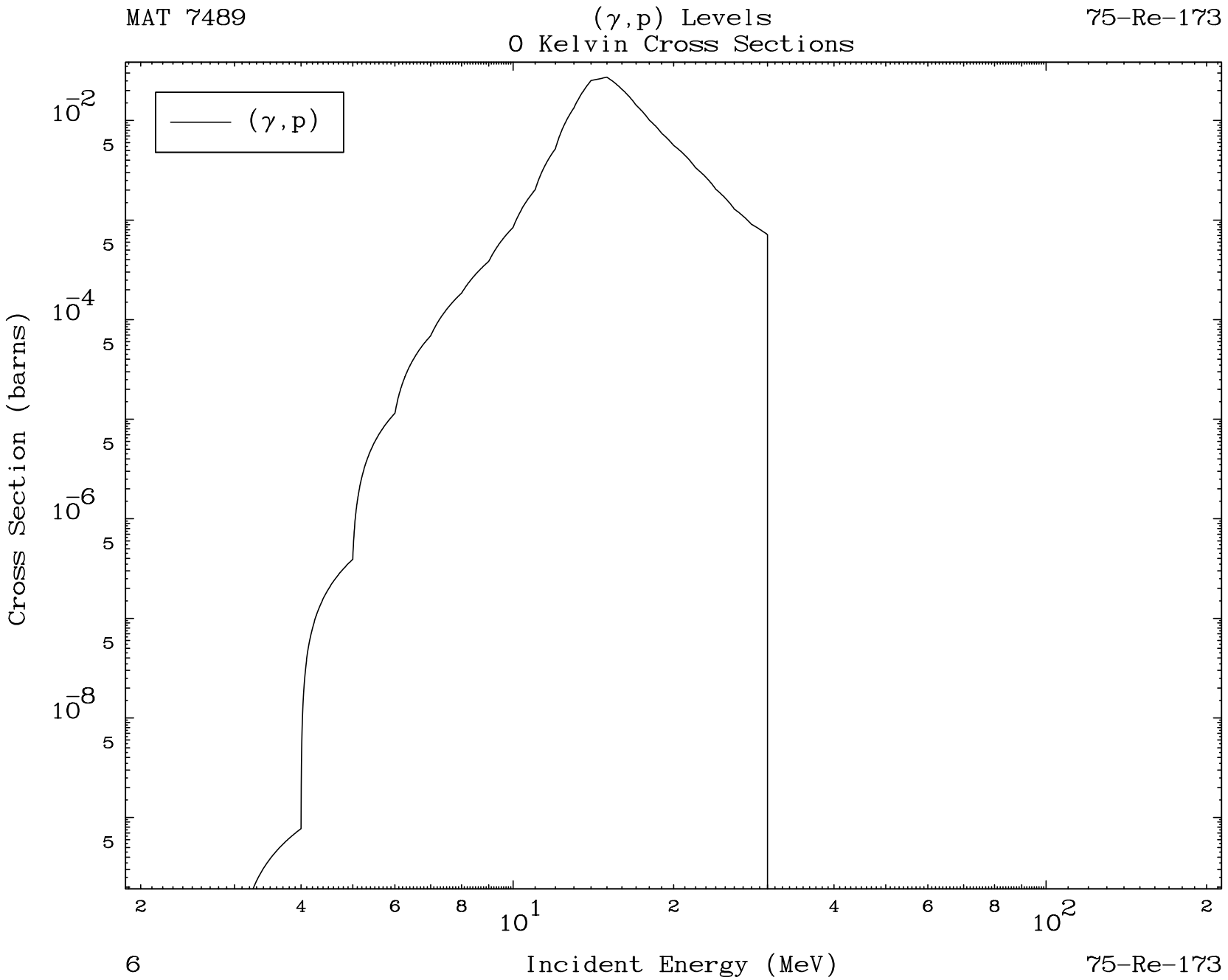

MAT 7489
Photon Major
75-Re-173
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
10-1
10-2
10-3
10-4
5
100
2
4
6
8
101
102
1
Incident Energy (MeV)
75-Re-173

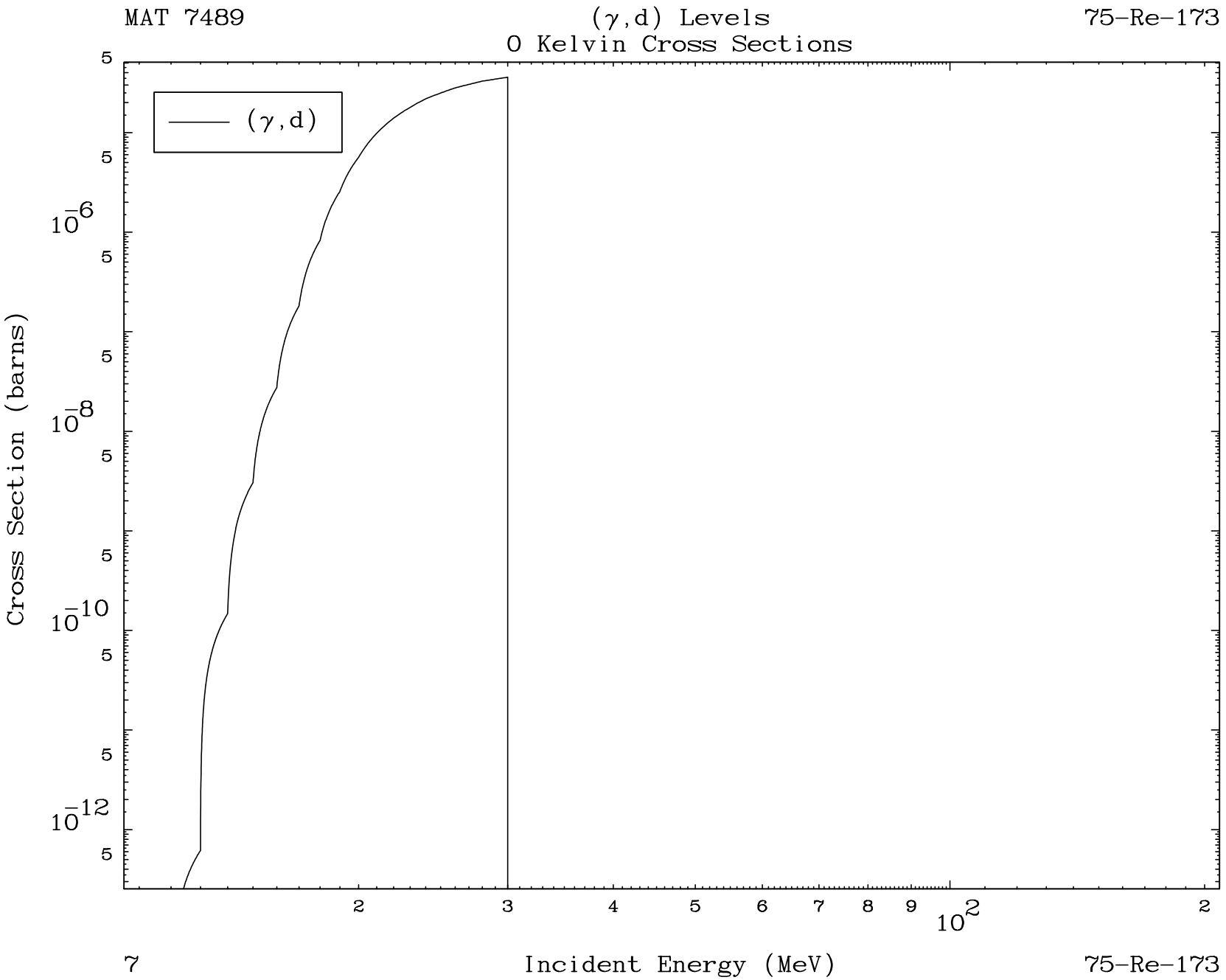

MAT 7489
Photon Neutron Production
0 Kelvin Cross Sections
75-Re-173
Cross Section (barns)
Incident Energy (MeV)
75-Re-173
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p

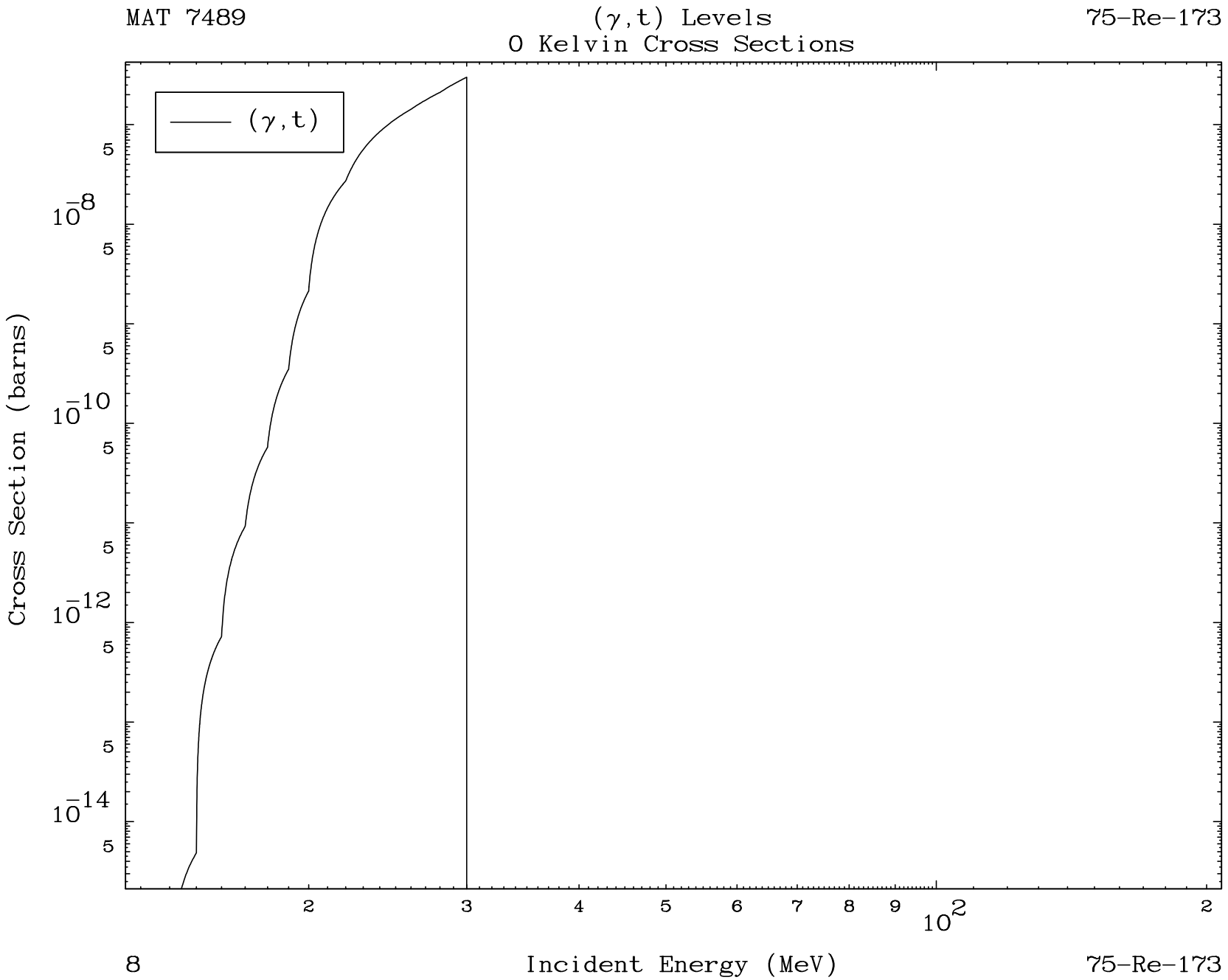

MAT 7489
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-173
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
2
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
3
75-Re-173

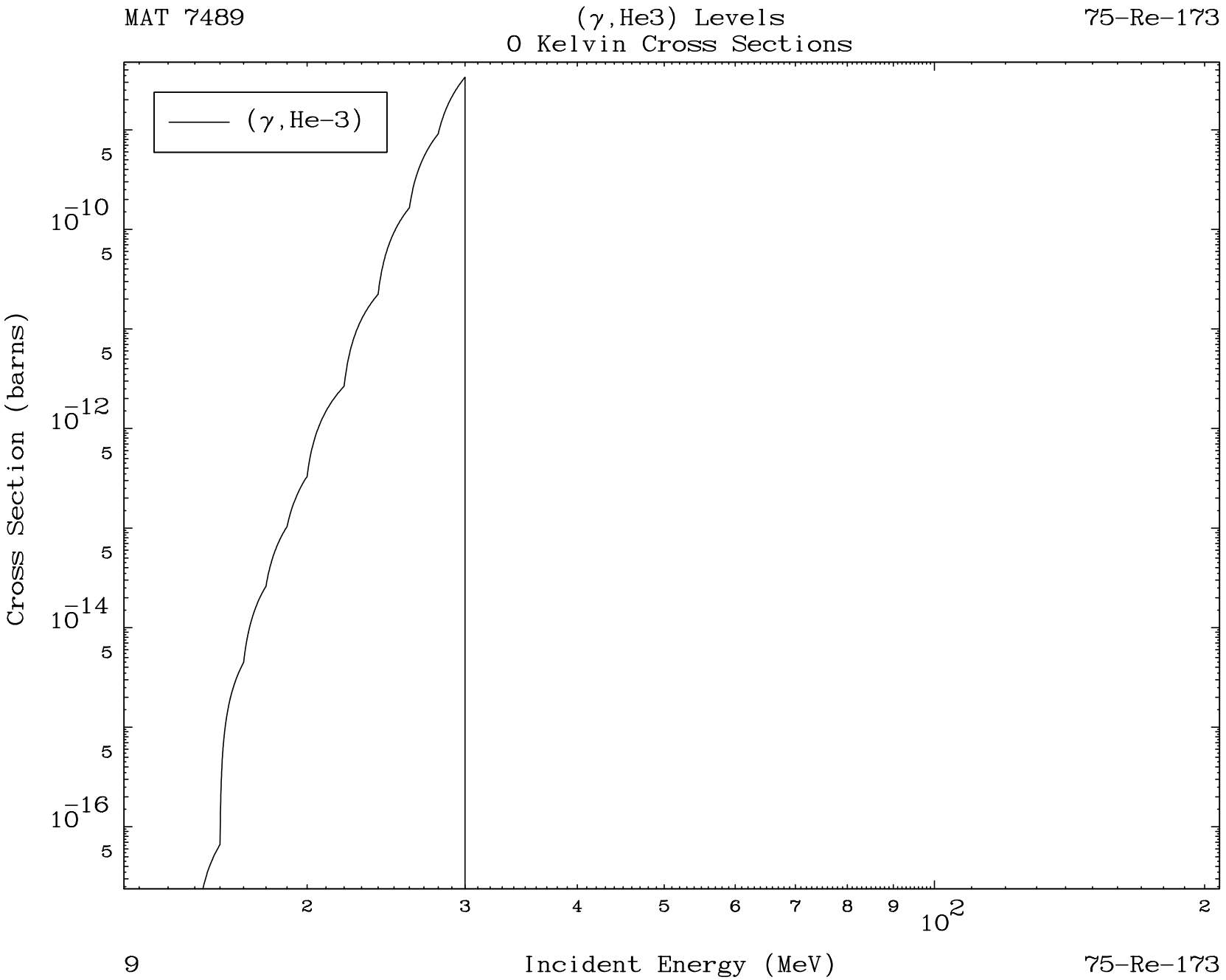

MAT 7489
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-173
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
4
75-Re-173

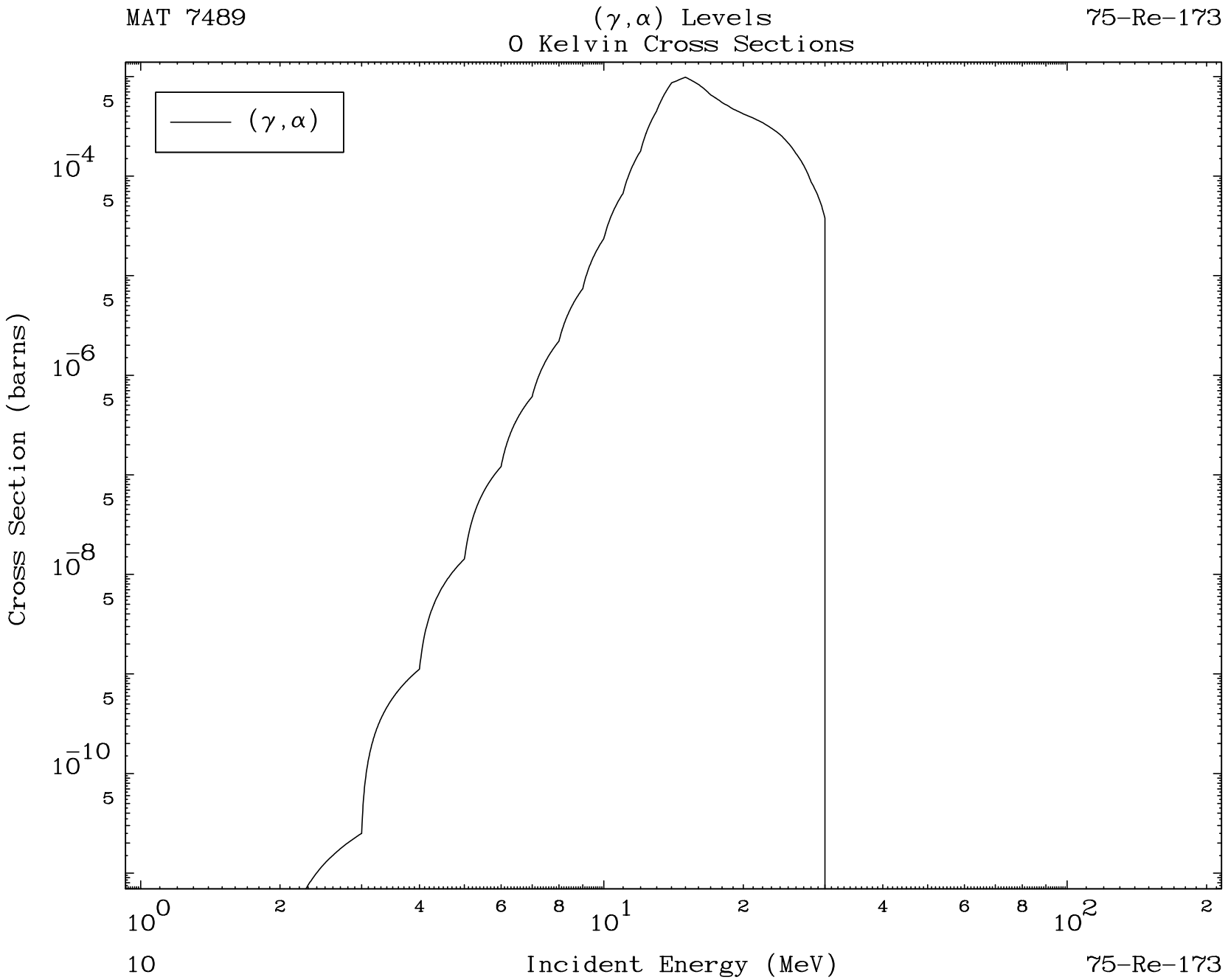

MAT 7489
(γ,n') Level
75-Re-173
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
10 1
10 2
Incident Energy (MeV)
75-Re-173

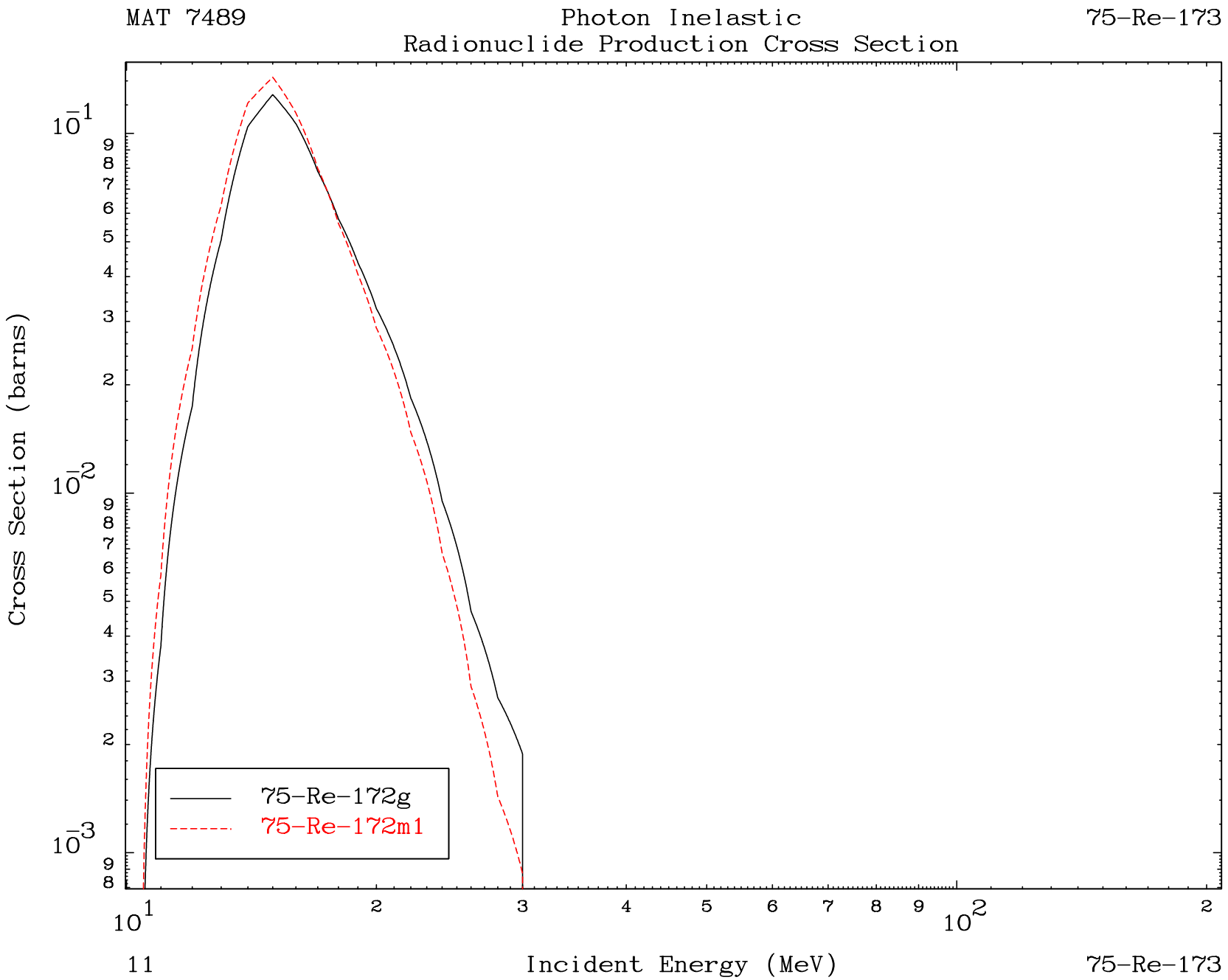

MAT 7489
(γ,p) Levels
75-Re-173
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
6
75-Re-173


MAT 7489
(γ,d) Levels
75-Re-173
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
75-Re-173


MAT 7489
(γ,t) Levels
75-Re-173
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
75-Re-173


MAT 7489
(γ,He3) Levels
75-Re-173
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
75-Re-173


MAT 7489
(γ,α) Levels
75-Re-173
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)
75-Re-173


MAT 7489
Photon Inelastic
75-Re-173
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
75-Re-172g
75-Re-172m1
11
75-Re-173