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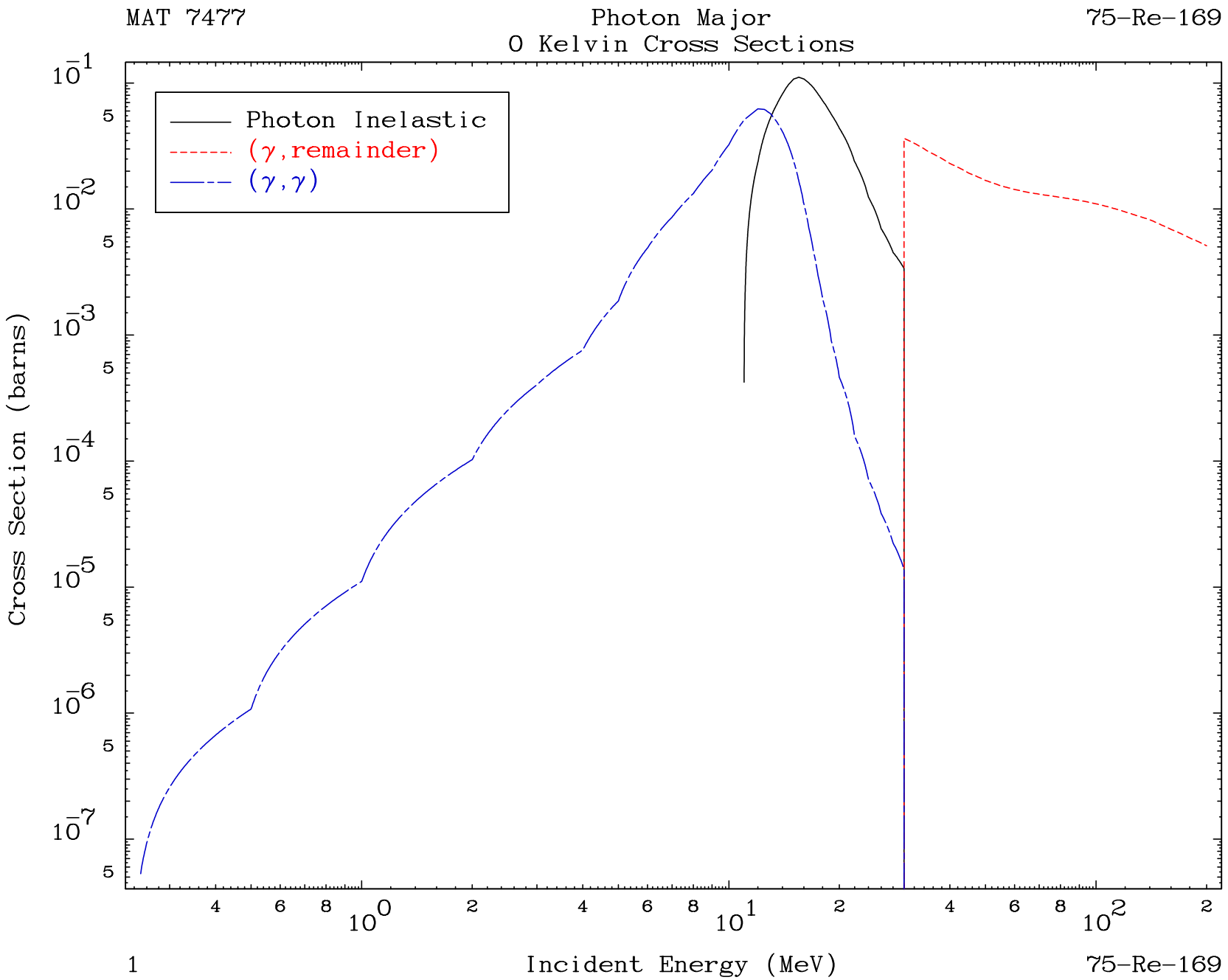
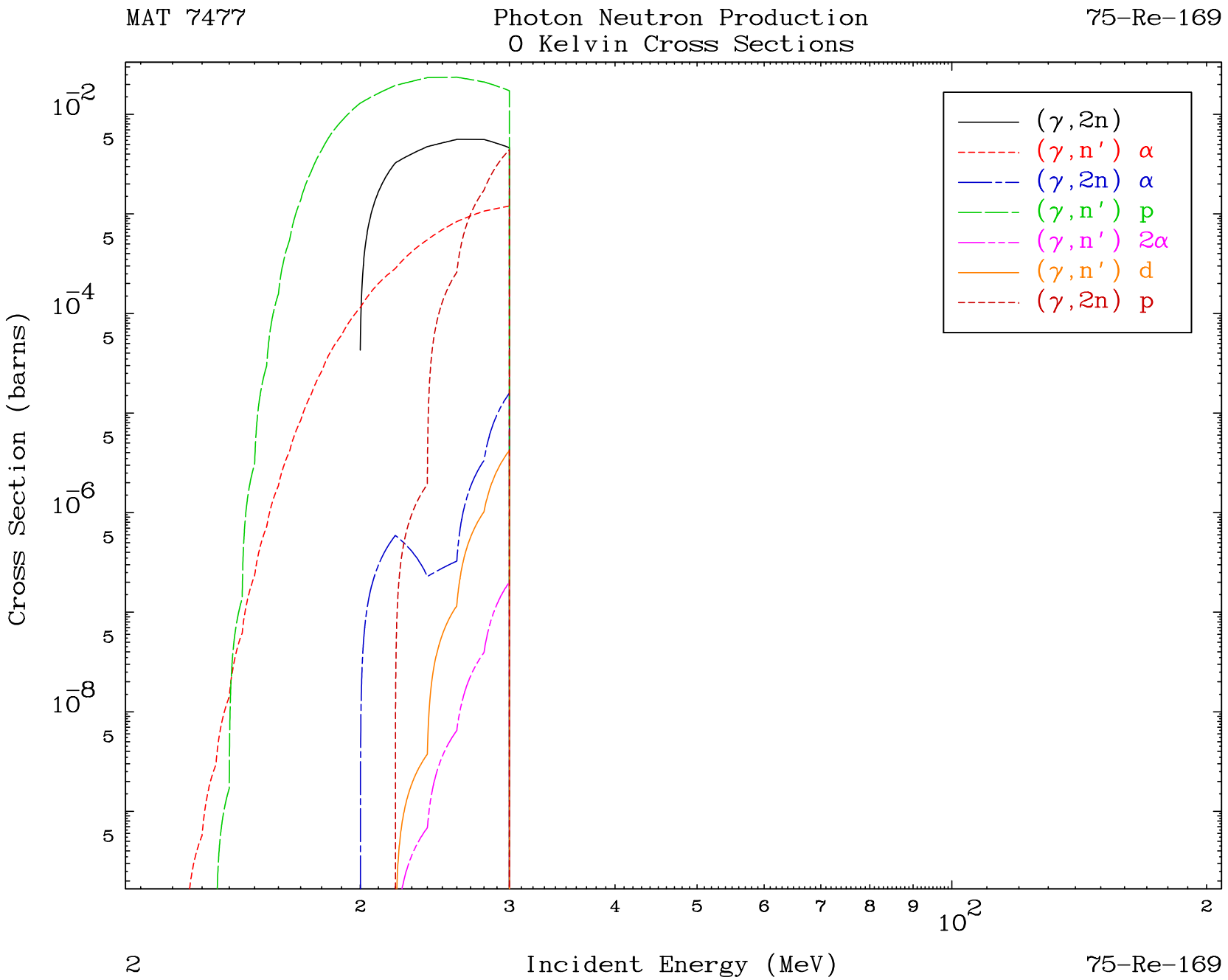
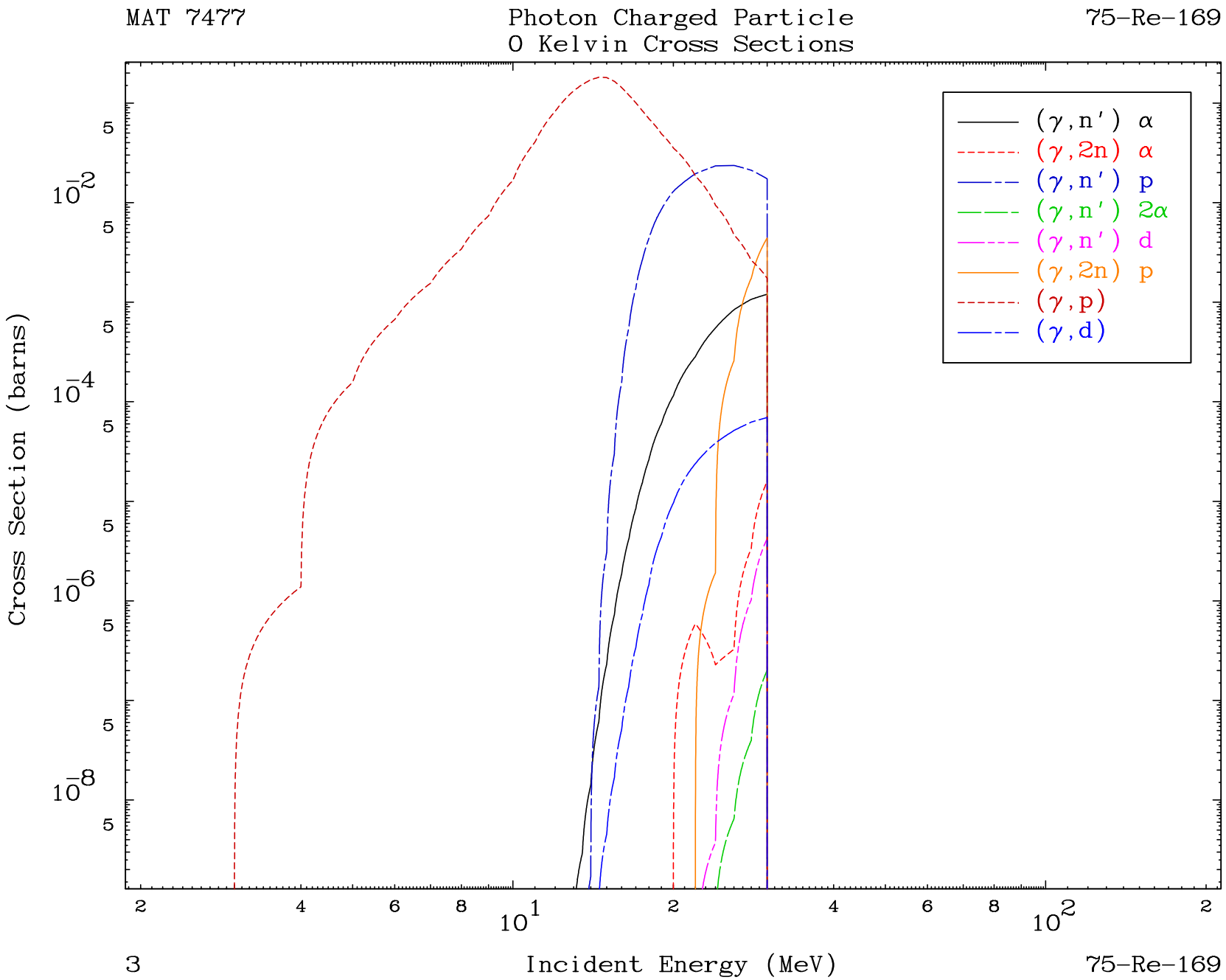
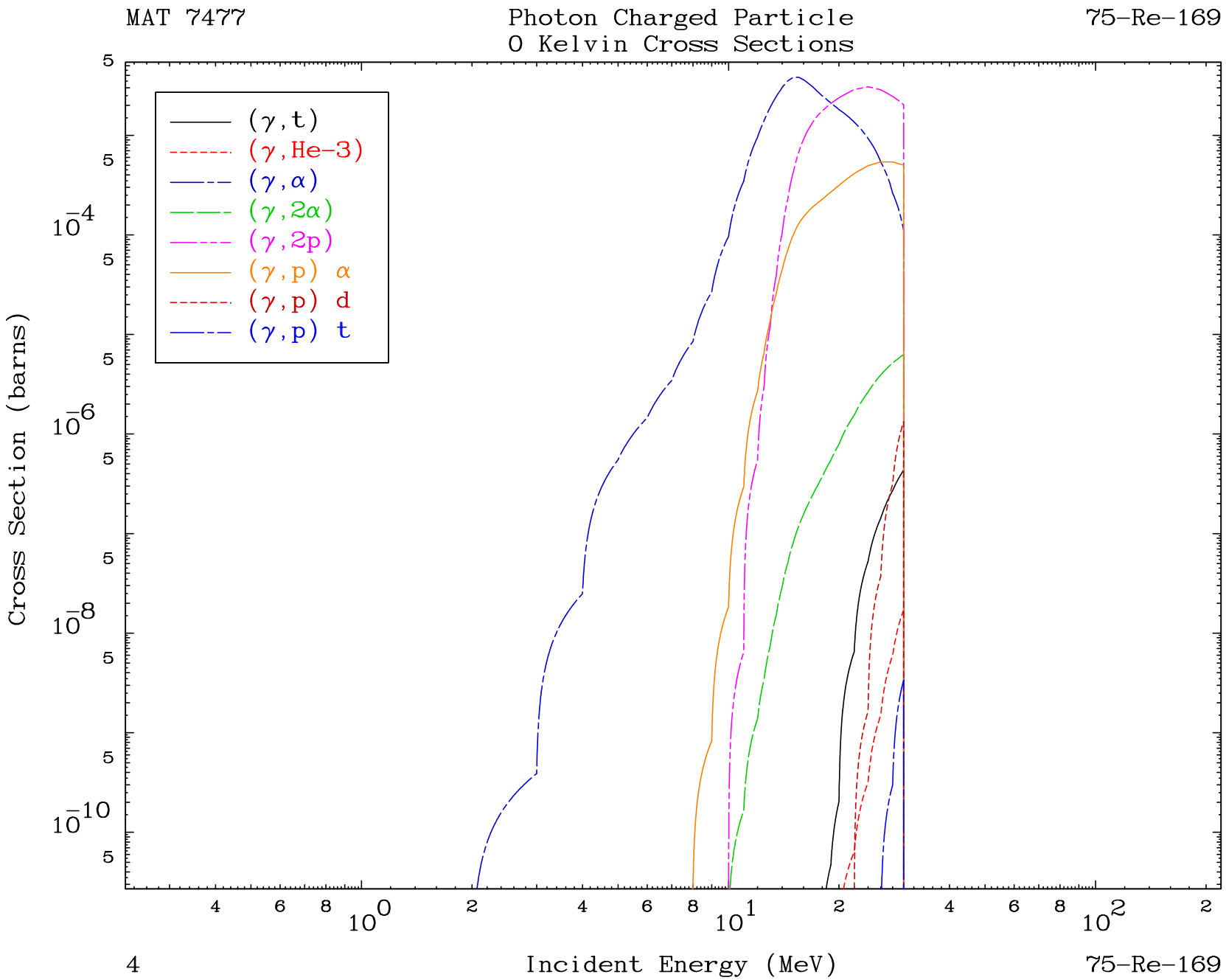
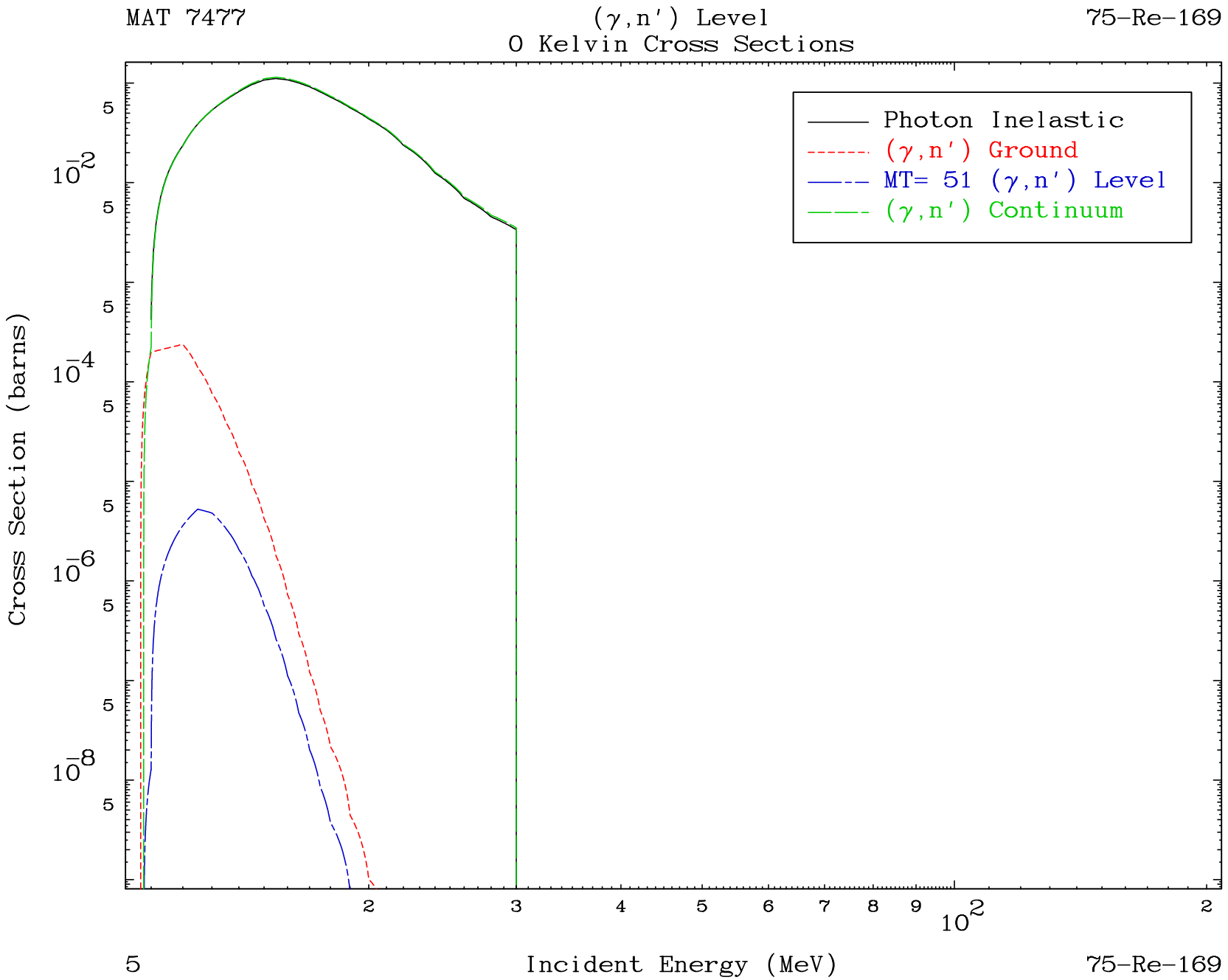
Press Mouse Button to Start

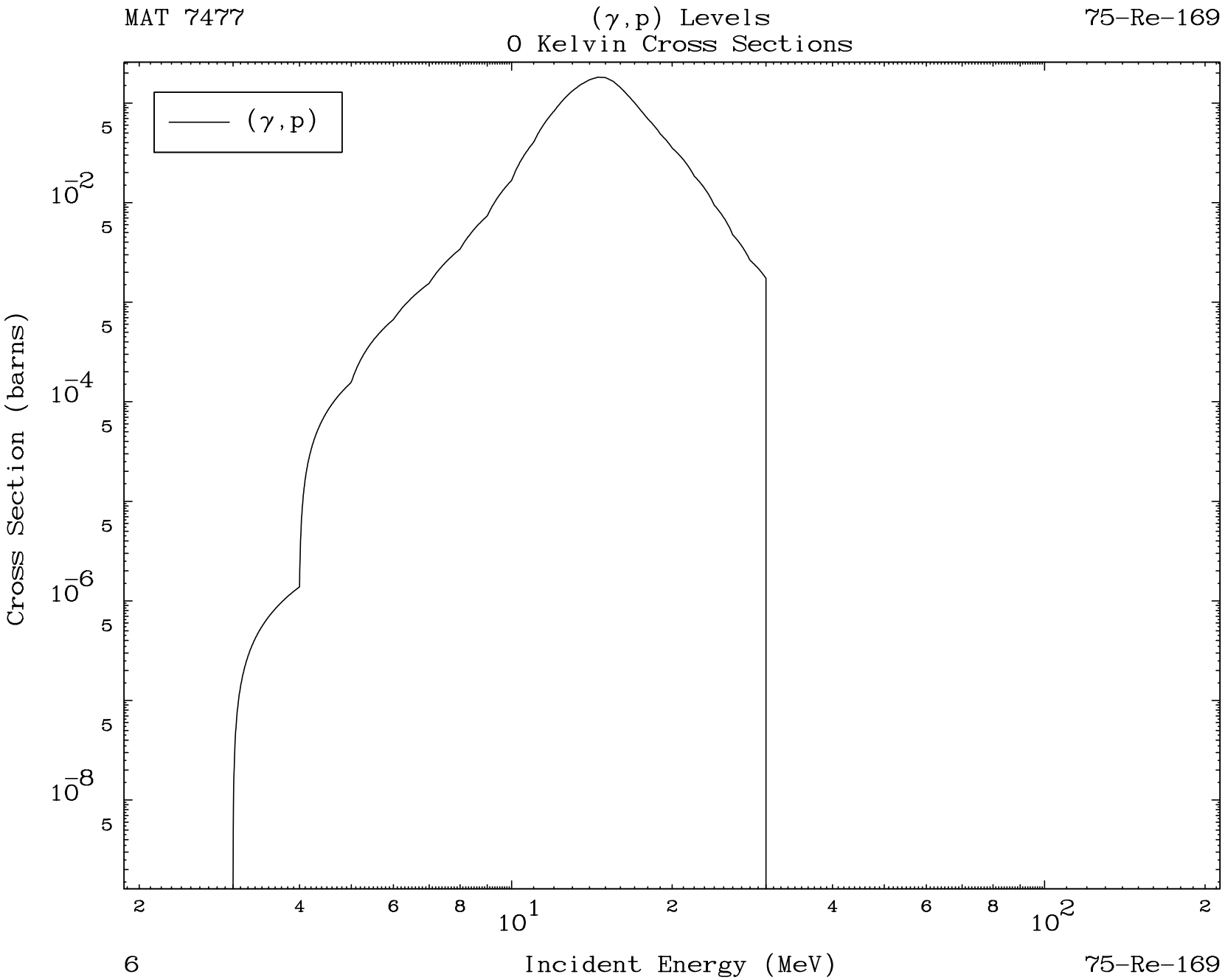

MAT 7477
Photon Major
75-Re-169
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
75-Re-169
1

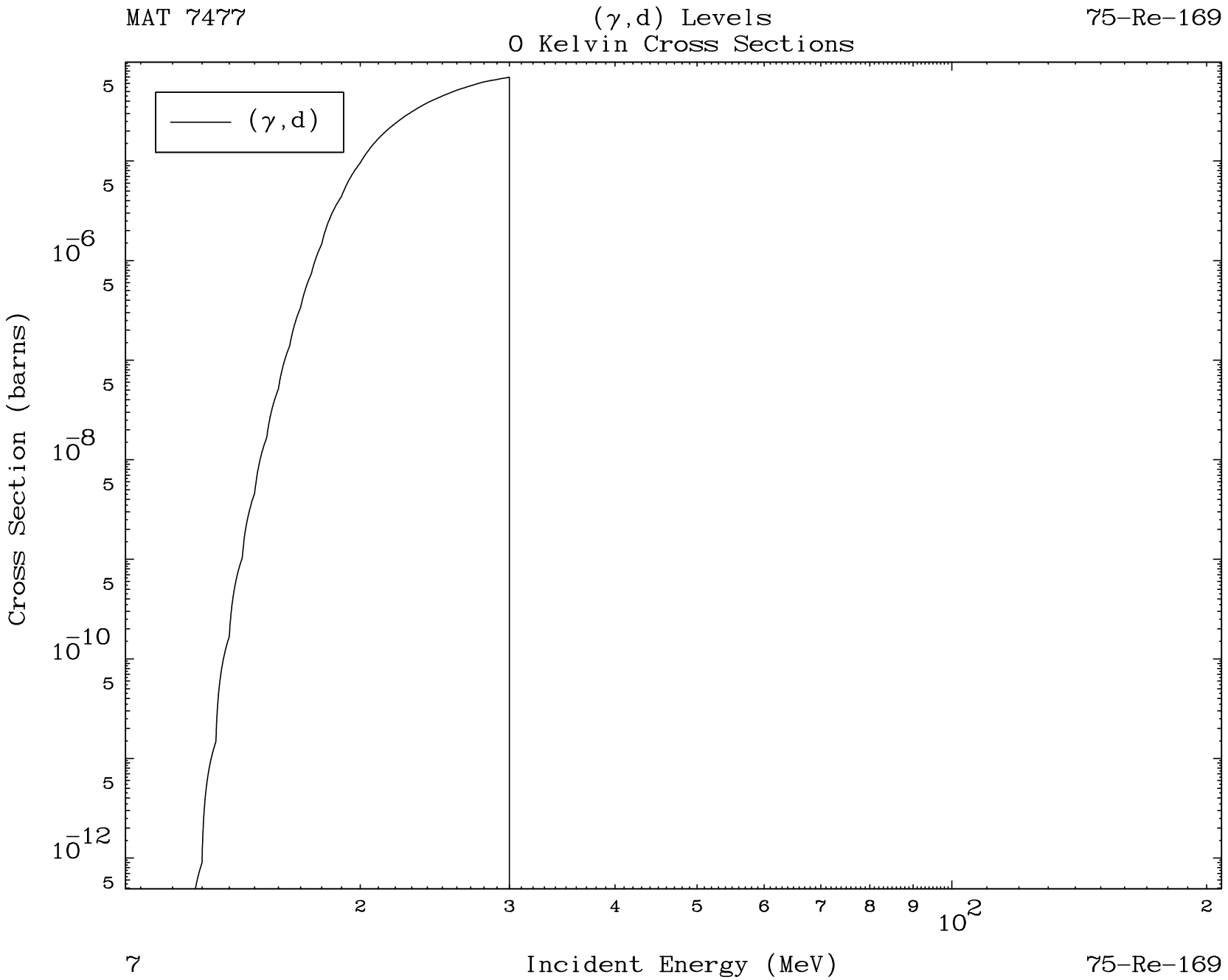

MAT 7477
Photon Neutron Production
0 Kelvin Cross Sections
75-Re-169
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
75-Re-169

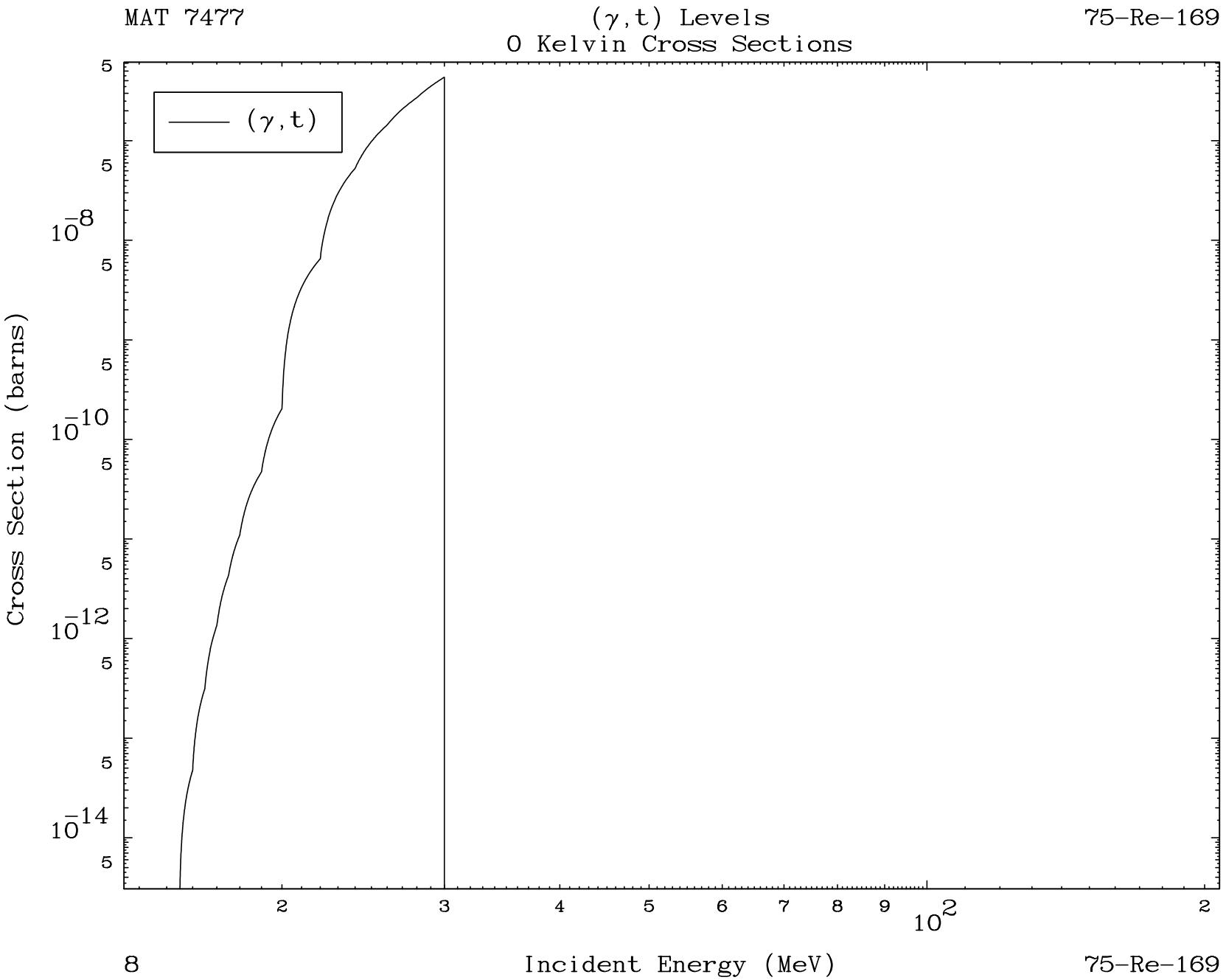

MAT 7477
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-169
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
3
75-Re-169

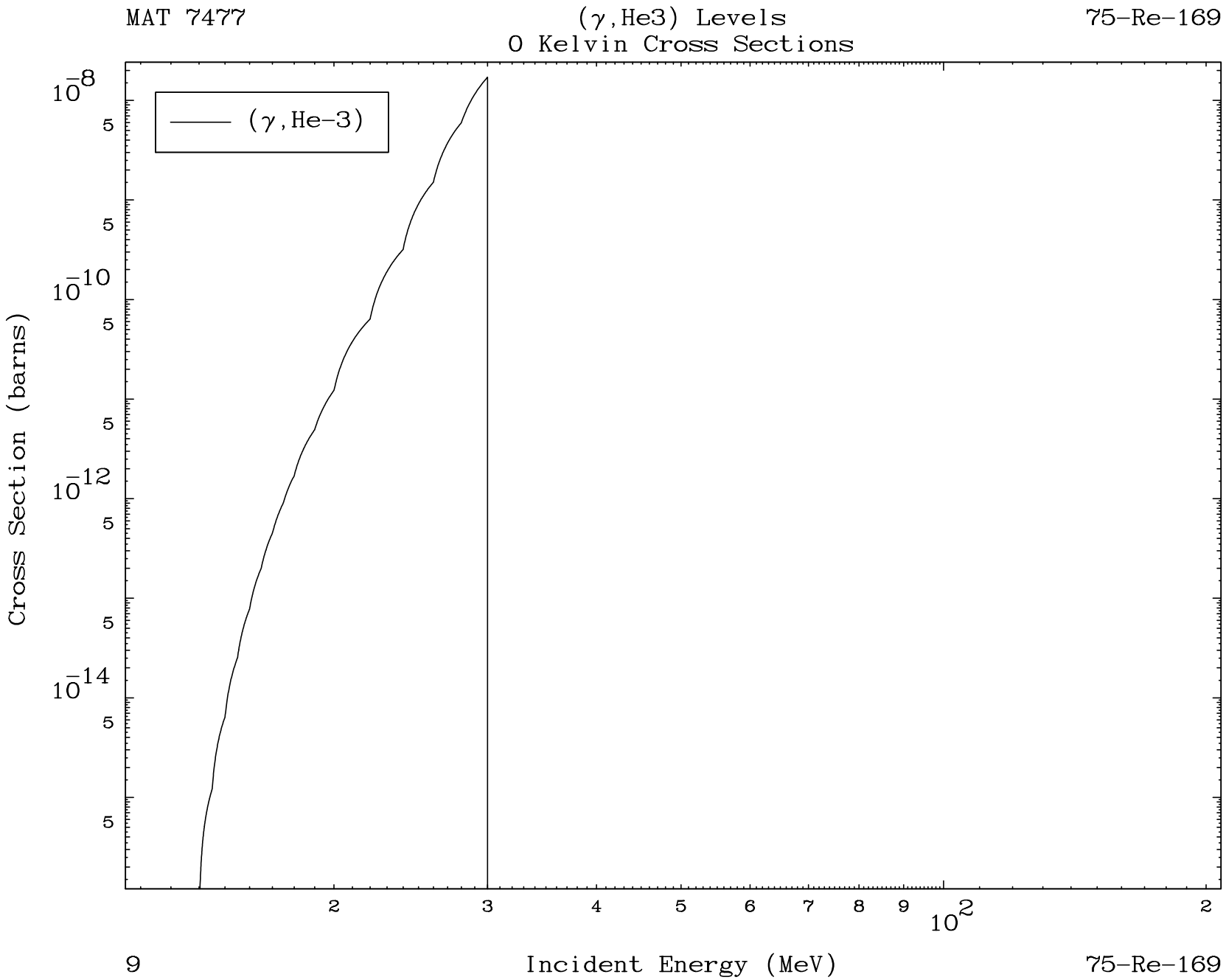

MAT 7477
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-169
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
75-Re-169

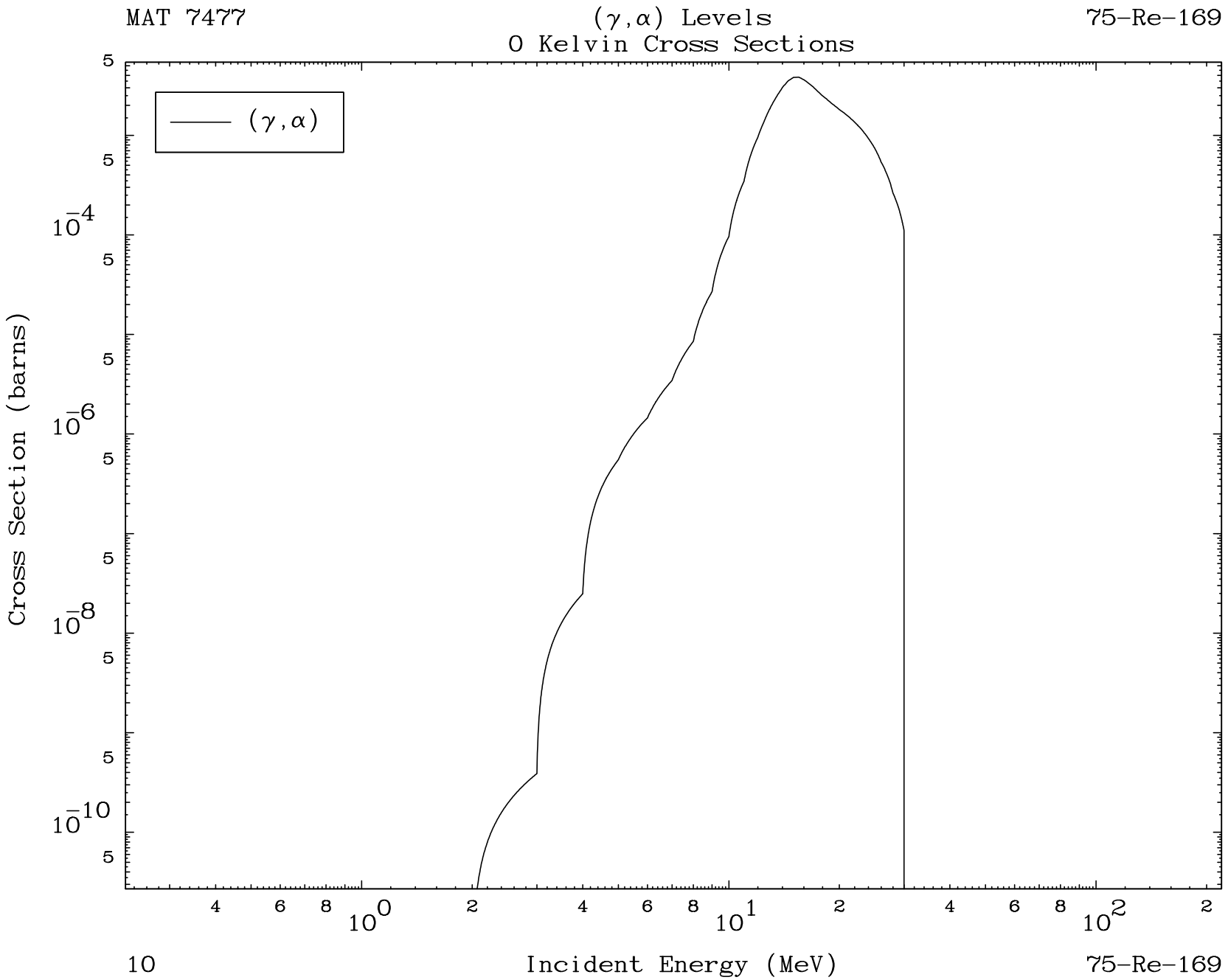

MAT 7477
(γ,n') Level
75-Re-169
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
75-Re-169

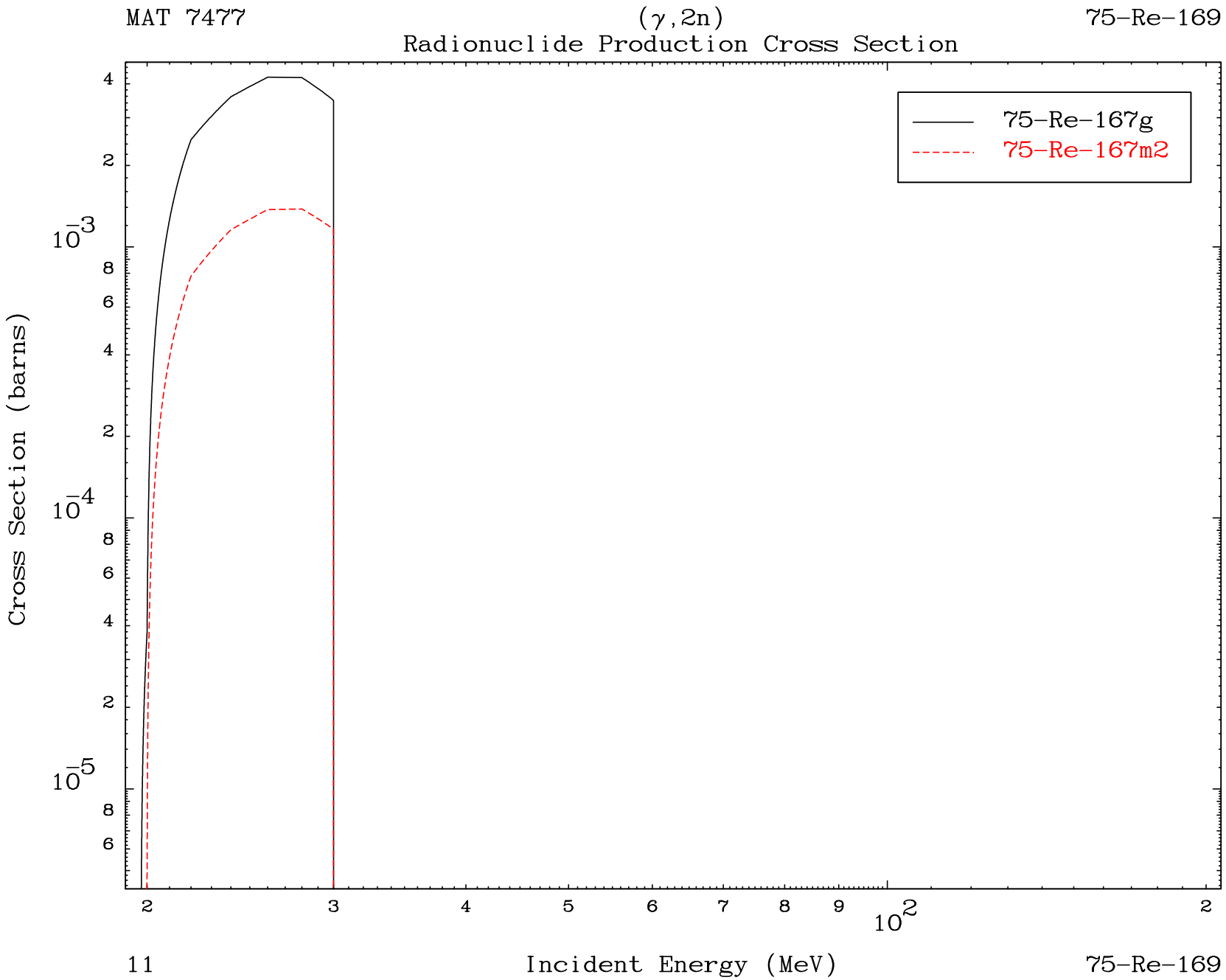

MAT 7477
(γ,p) Levels
75-Re-169
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
6
75-Re-169

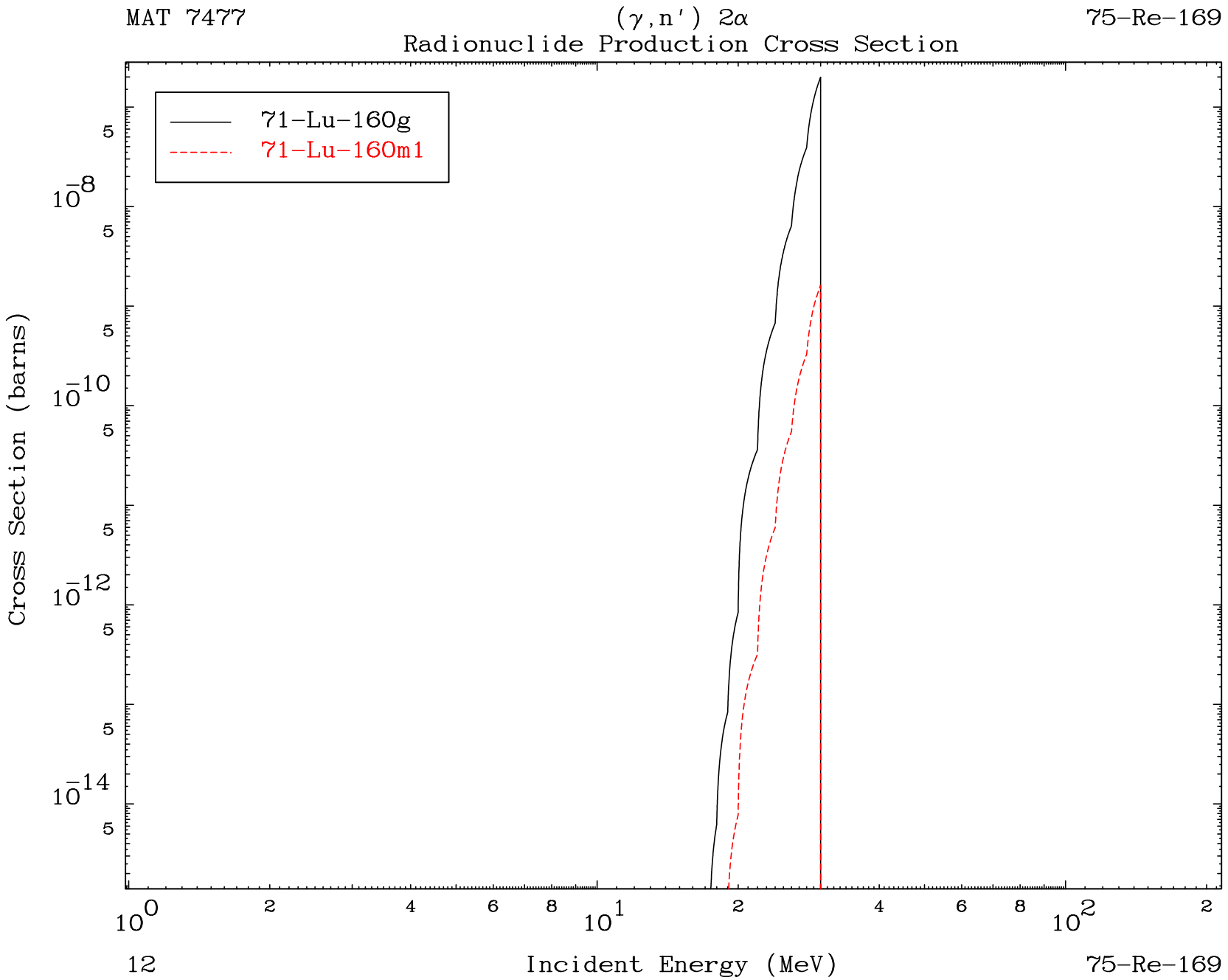

MAT 7477
(γ,d) Levels
75-Re-169
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
75-Re-169

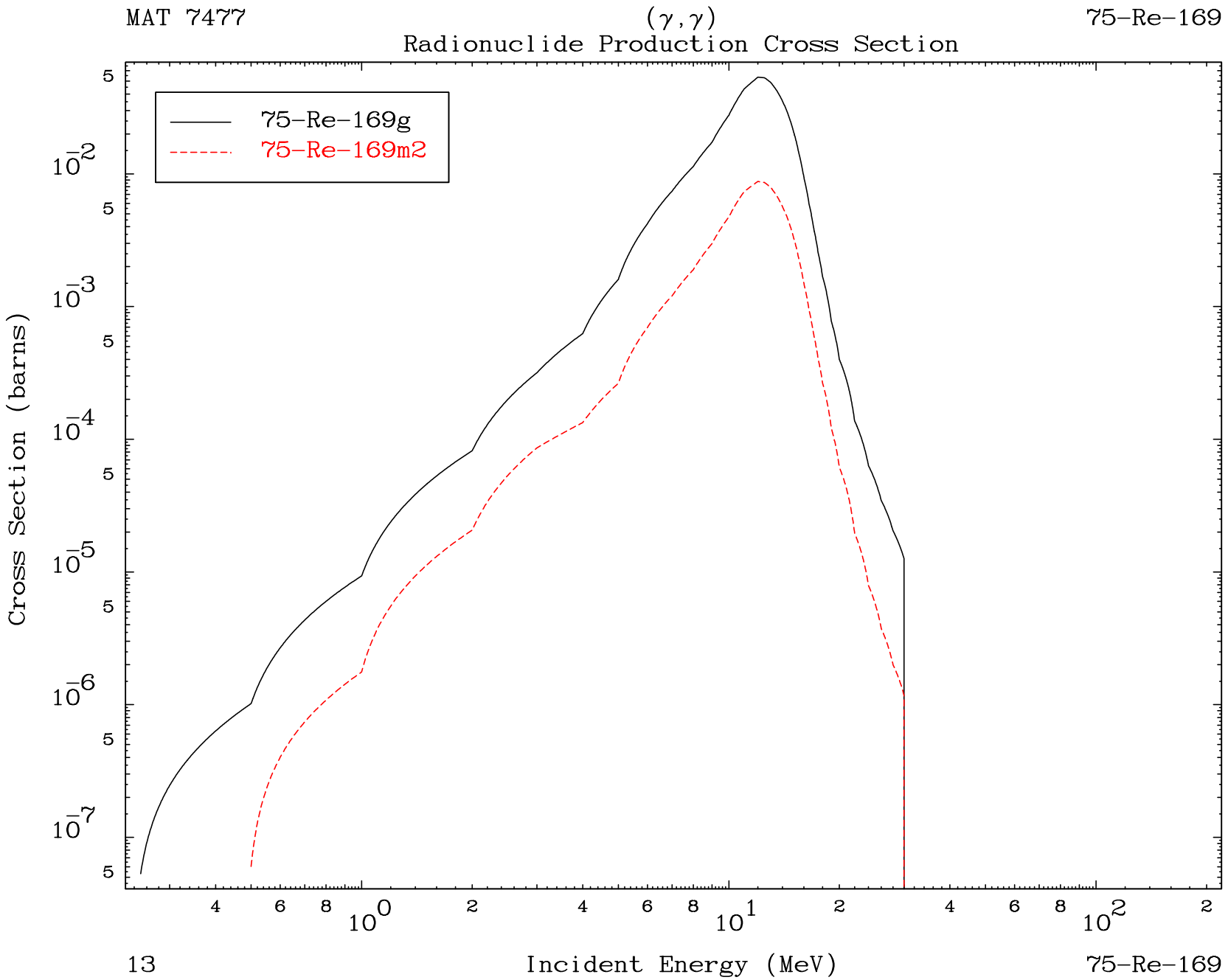

MAT 7477
(γ,t) Levels
75-Re-169
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
75-Re-169


MAT 7477
(γ,He3) Levels
75-Re-169
0 Kelvin Cross Sections
(γ,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
9
Incident Energy (MeV)
75-Re-169


MAT 7477
(γ,α) Levels
75-Re-169
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
75-Re-169


MAT 7477
(γ,2n)
75-Re-169
Radionuclide Production Cross Section
75-Re-167g
75-Re-167m2
Cross Section (barns)
10-3
10-4
10-5
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)
11
75-Re-169


MAT 7477
(γ,n') 2α
75-Re-169
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
12
Incident Energy (MeV)
75-Re-169


MAT 7477
(γ,γ)
75-Re-169
Radionuclide Production Cross Section
75-Re-169g
75-Re-169m2
Cross Section (barns)
Incident Energy (MeV)
13
75-Re-169