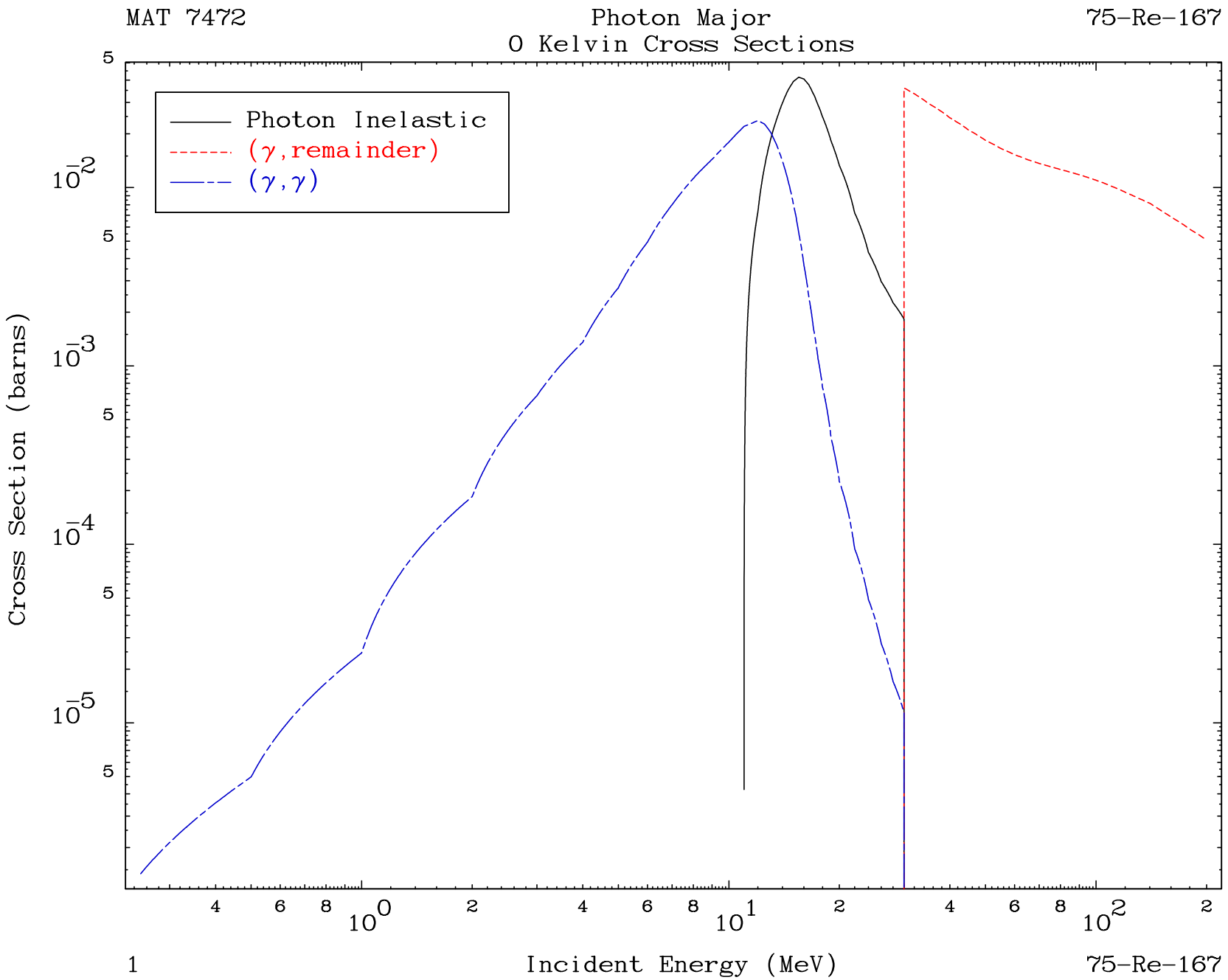
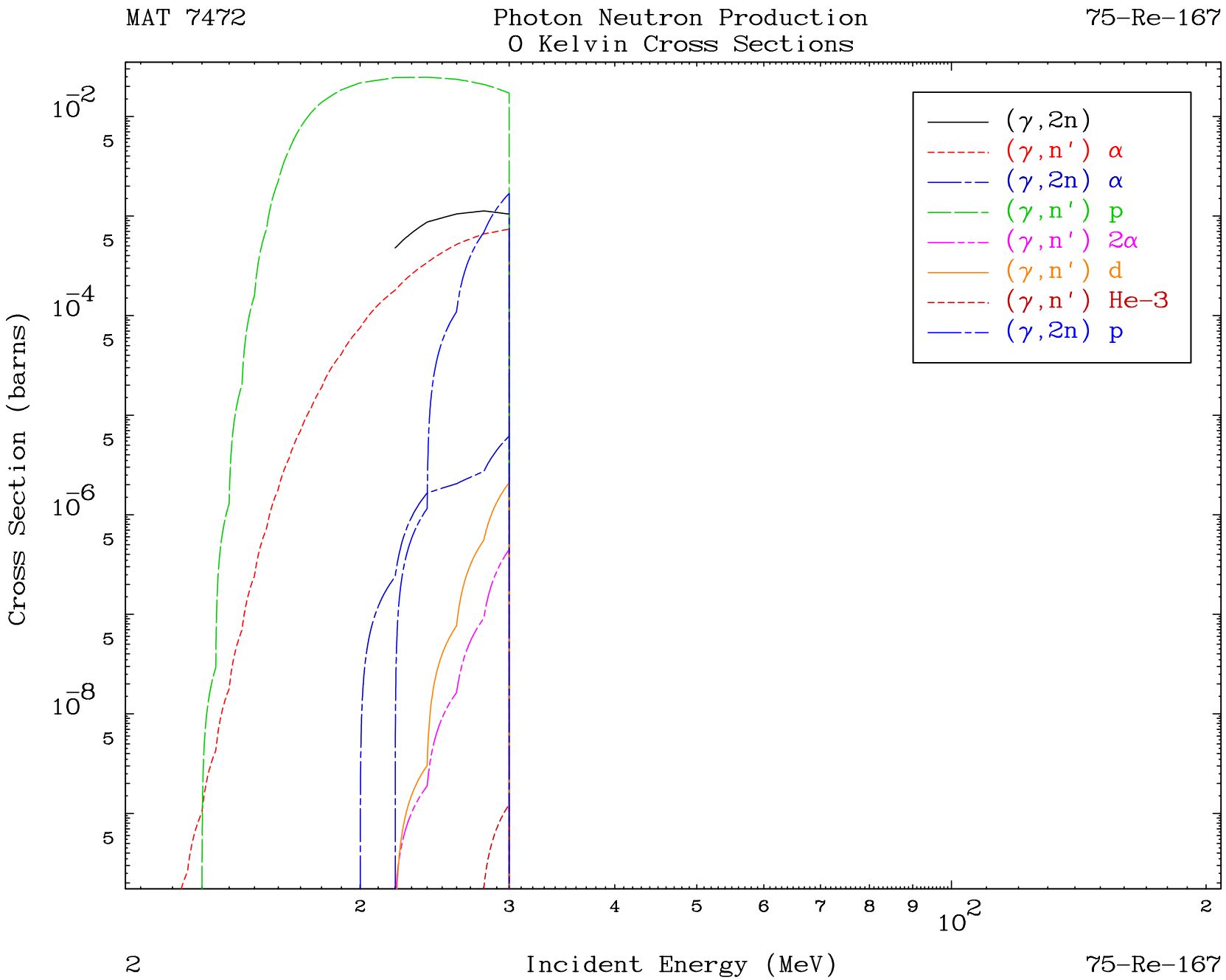
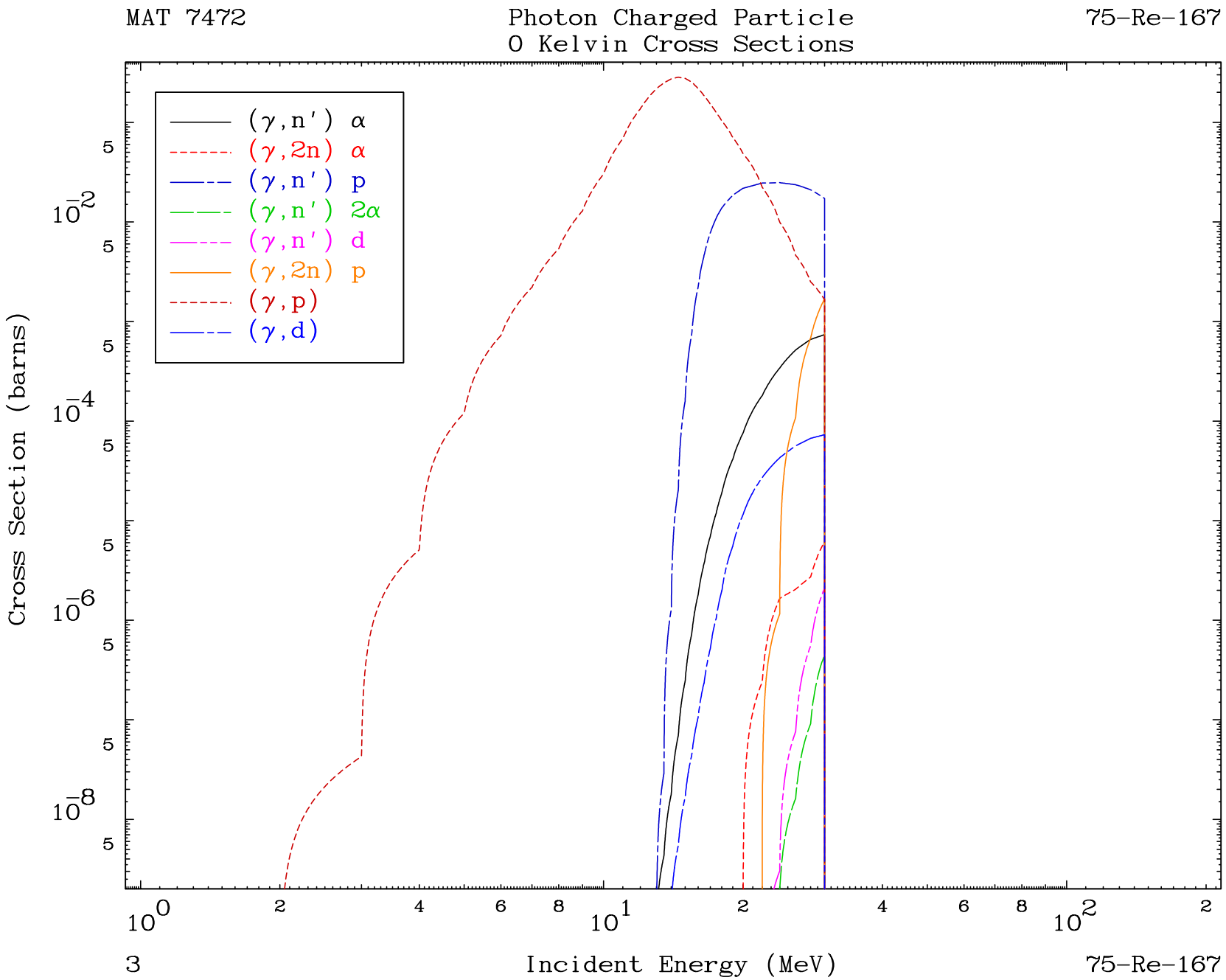
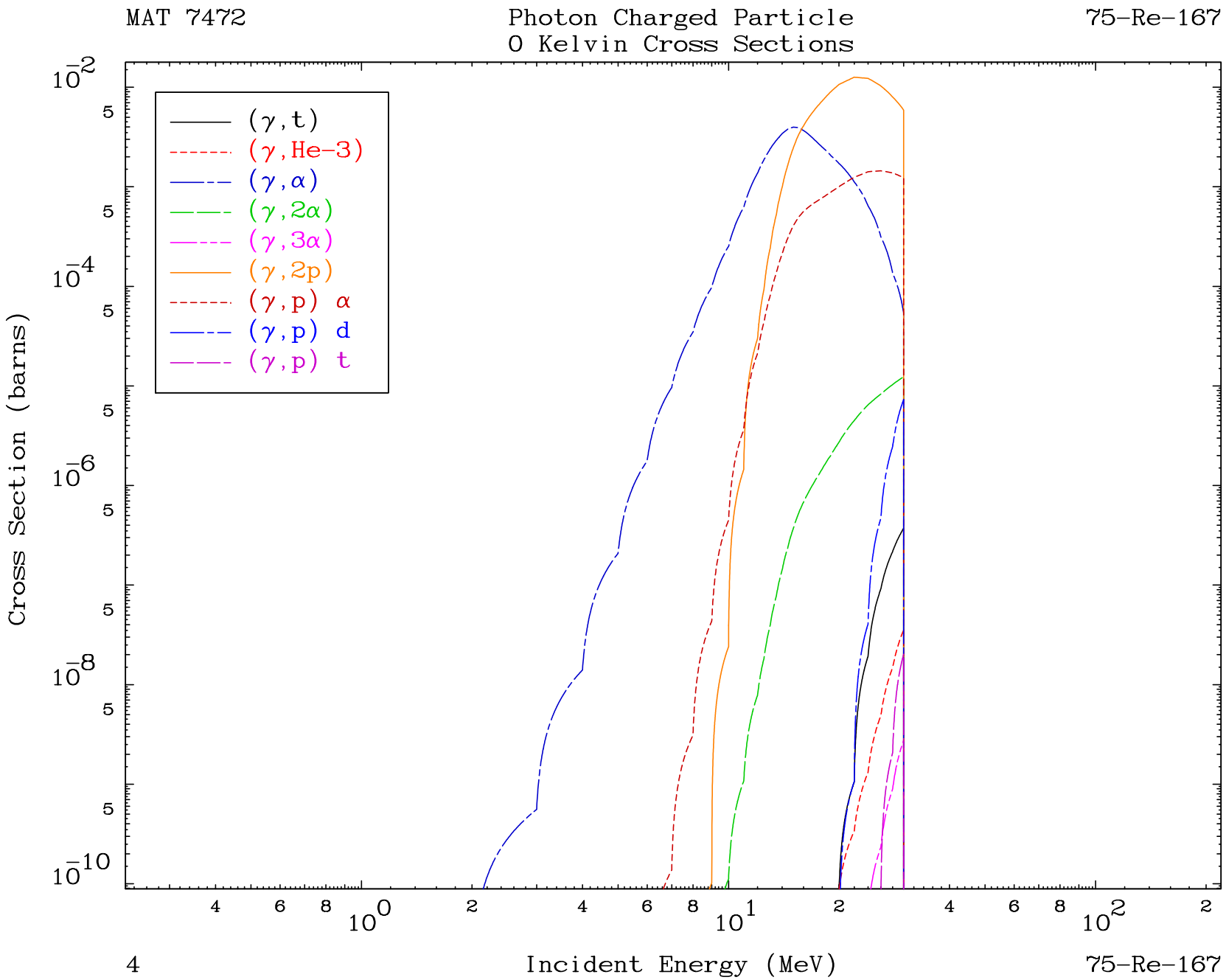
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

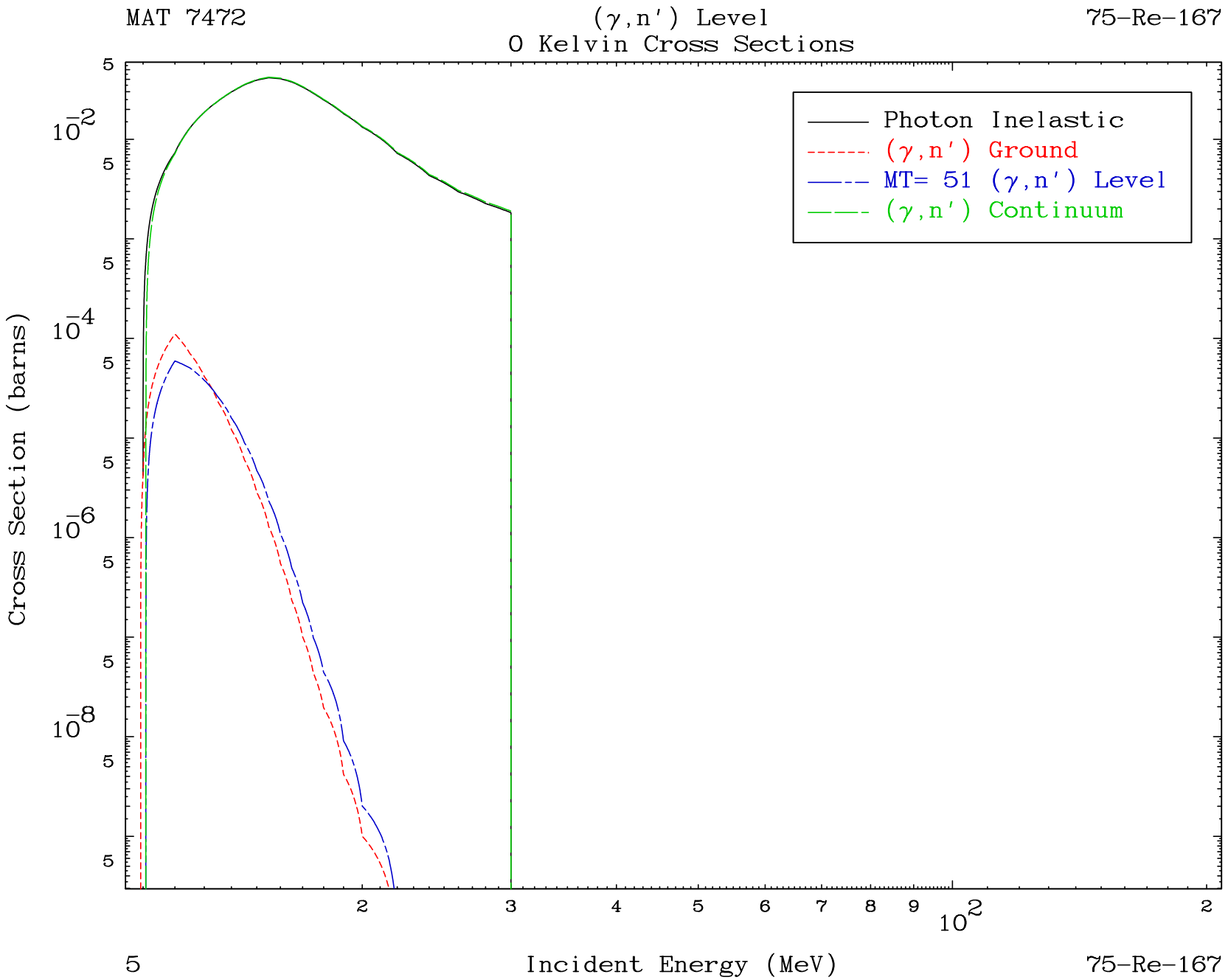
Press Mouse Button to Start

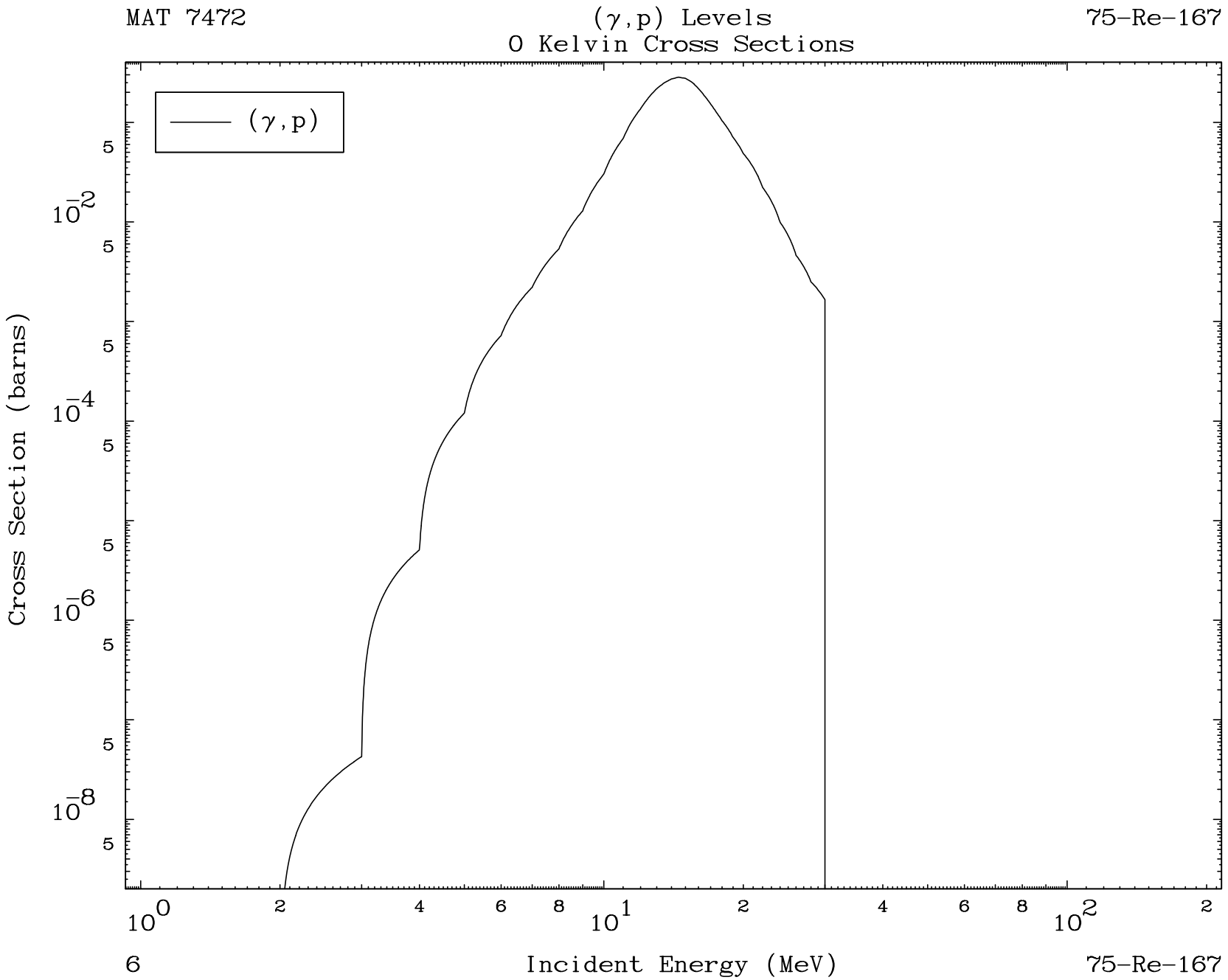

MAT 7472
Photon Major
75-Re-167
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
75-Re-167
1

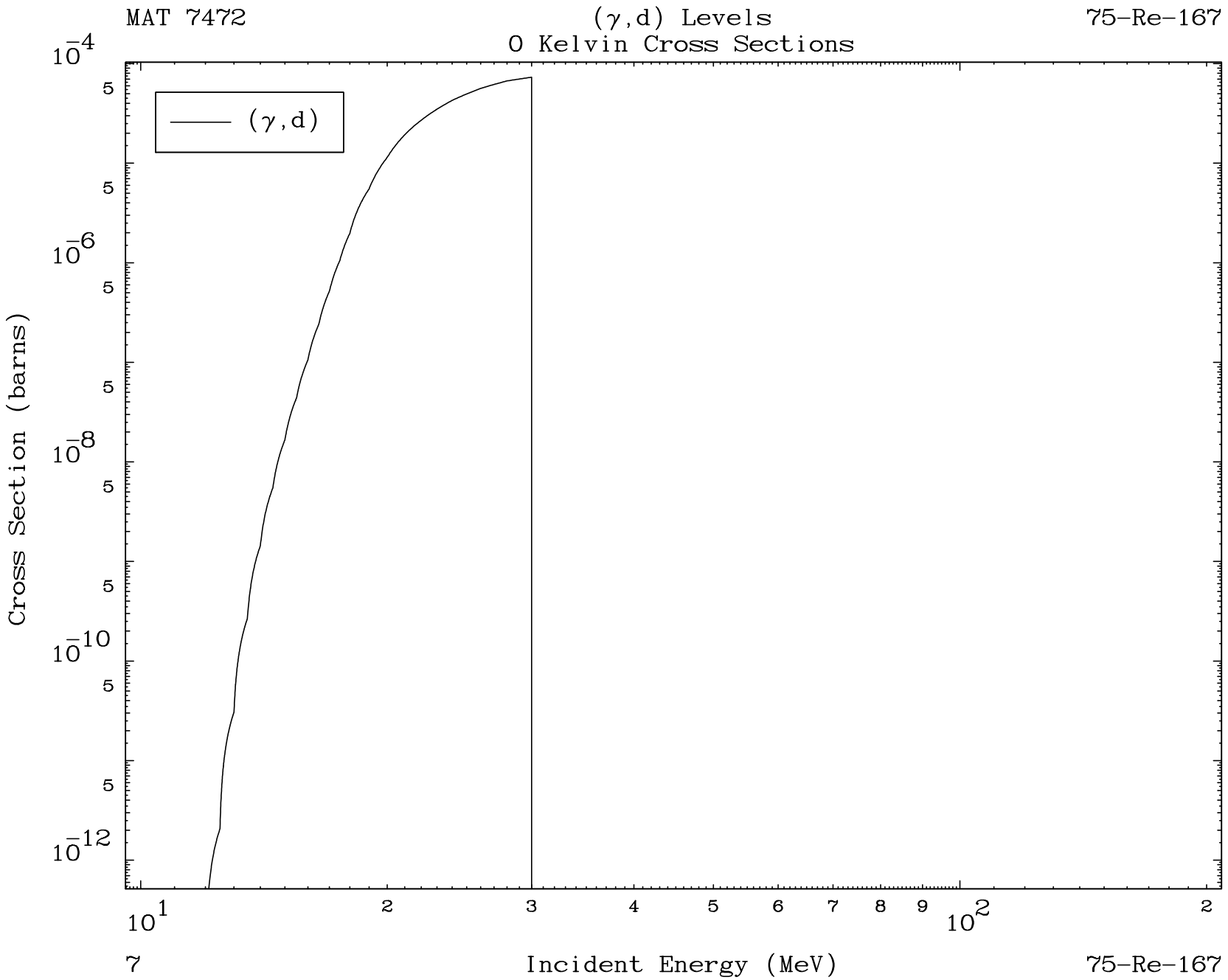

MAT 7472
Photon Neutron Production
0 Kelvin Cross Sections
75-Re-167
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
75-Re-167
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') He-3
(γ,2n) p

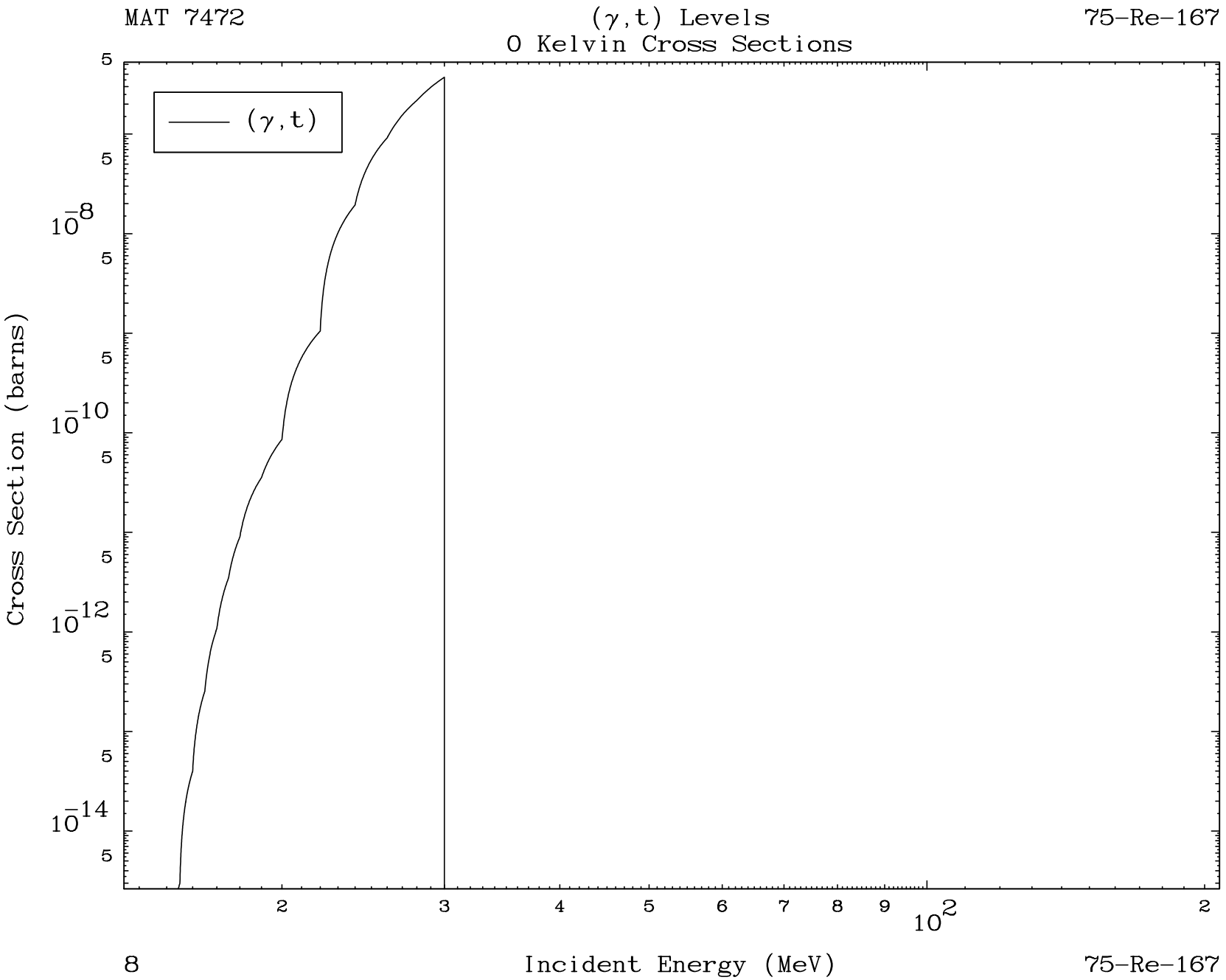

MAT 7472
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-167
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
3
75-Re-167

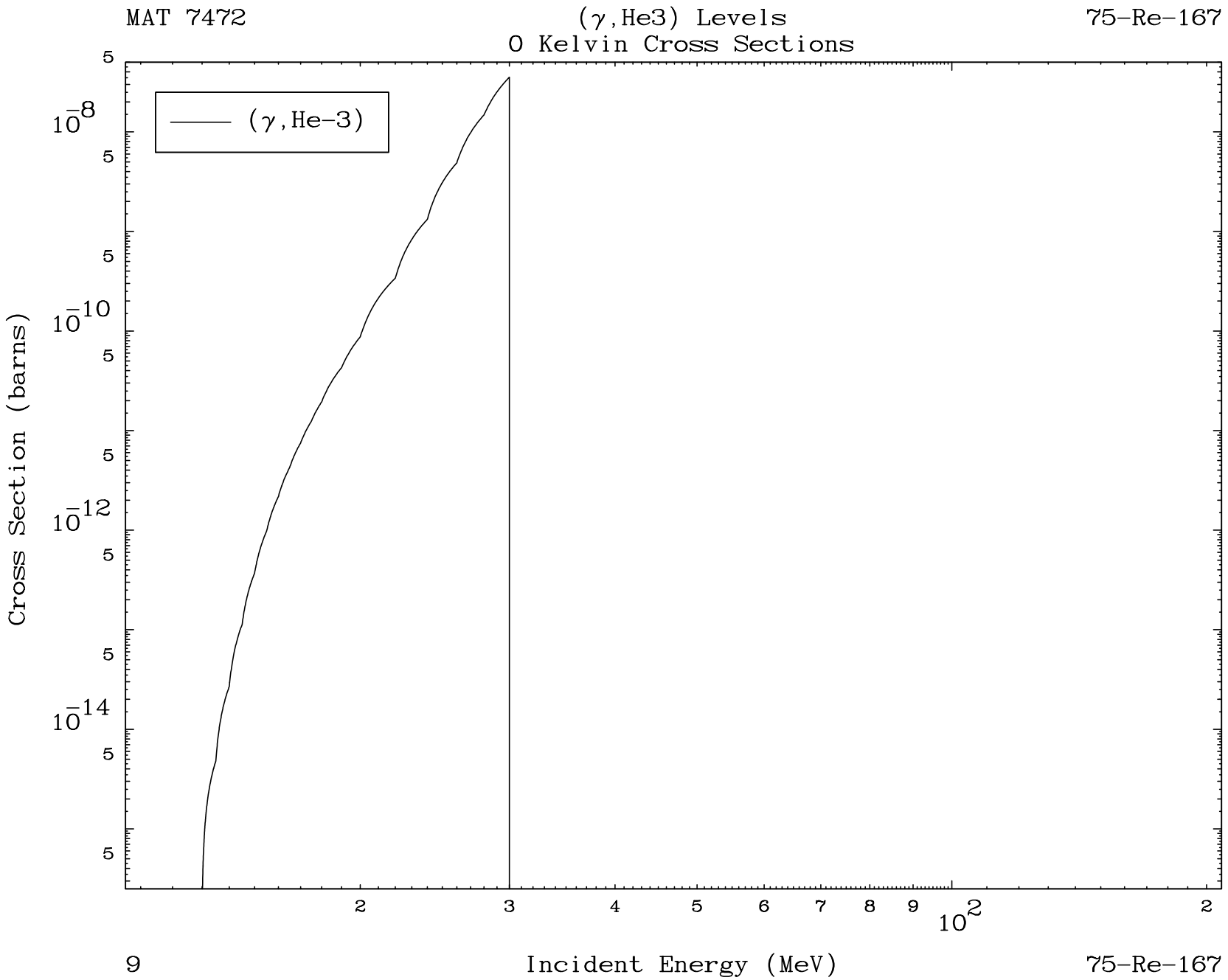

MAT 7472
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-167
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,3α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
75-Re-167

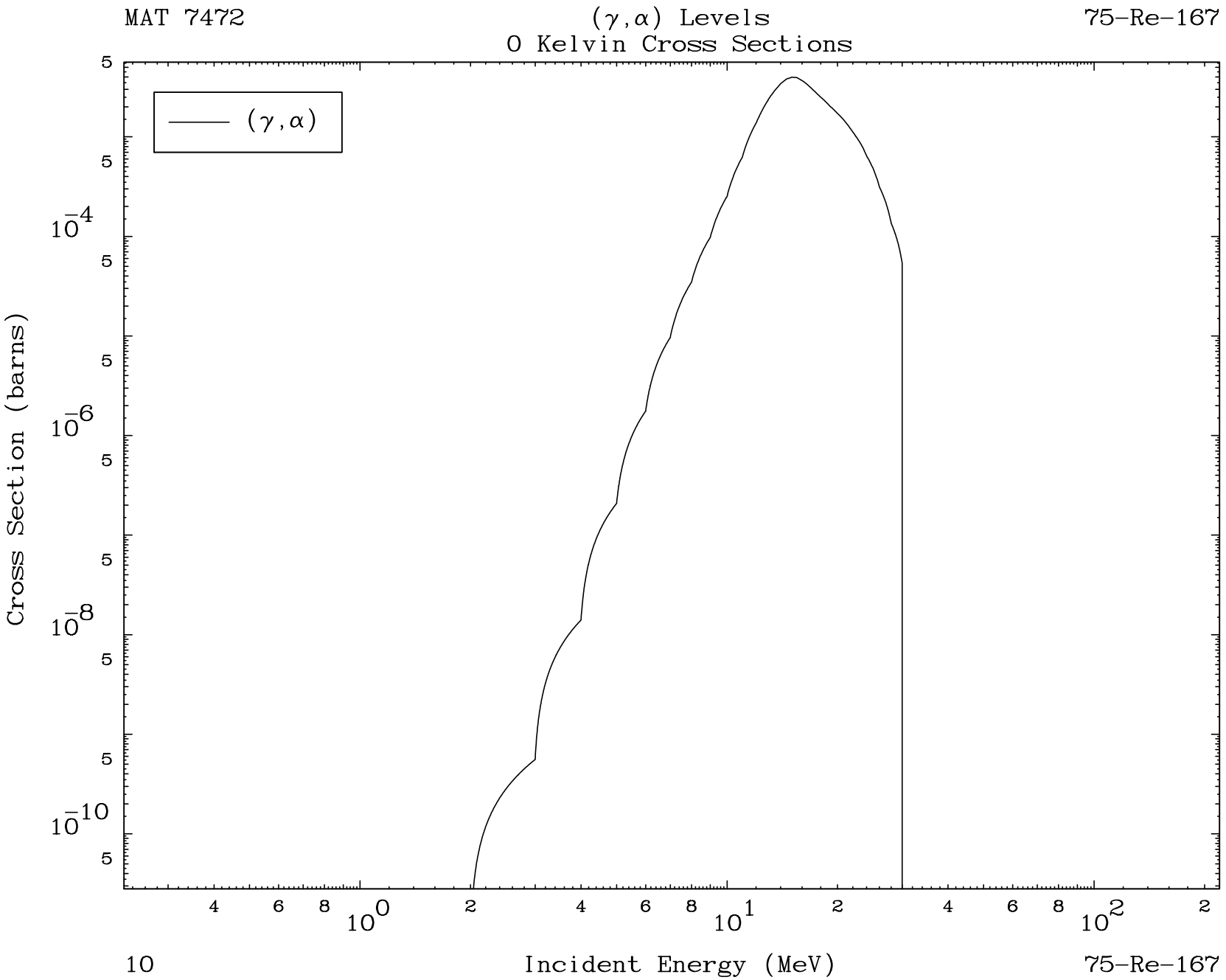

MAT 7472
(γ,n') Level
75-Re-167
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
75-Re-167

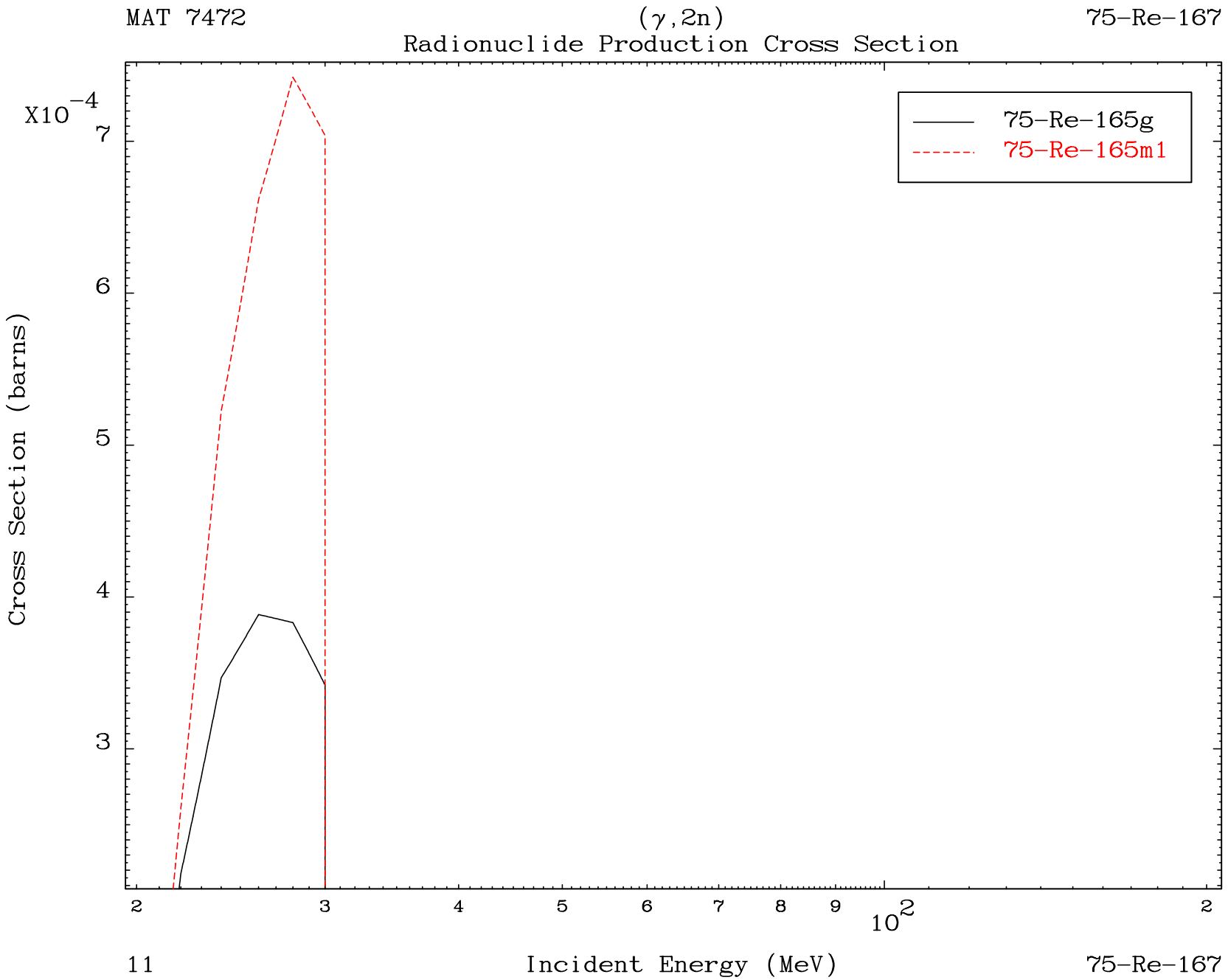

MAT 7472
(γ,p) Levels
75-Re-167
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
6
75-Re-167

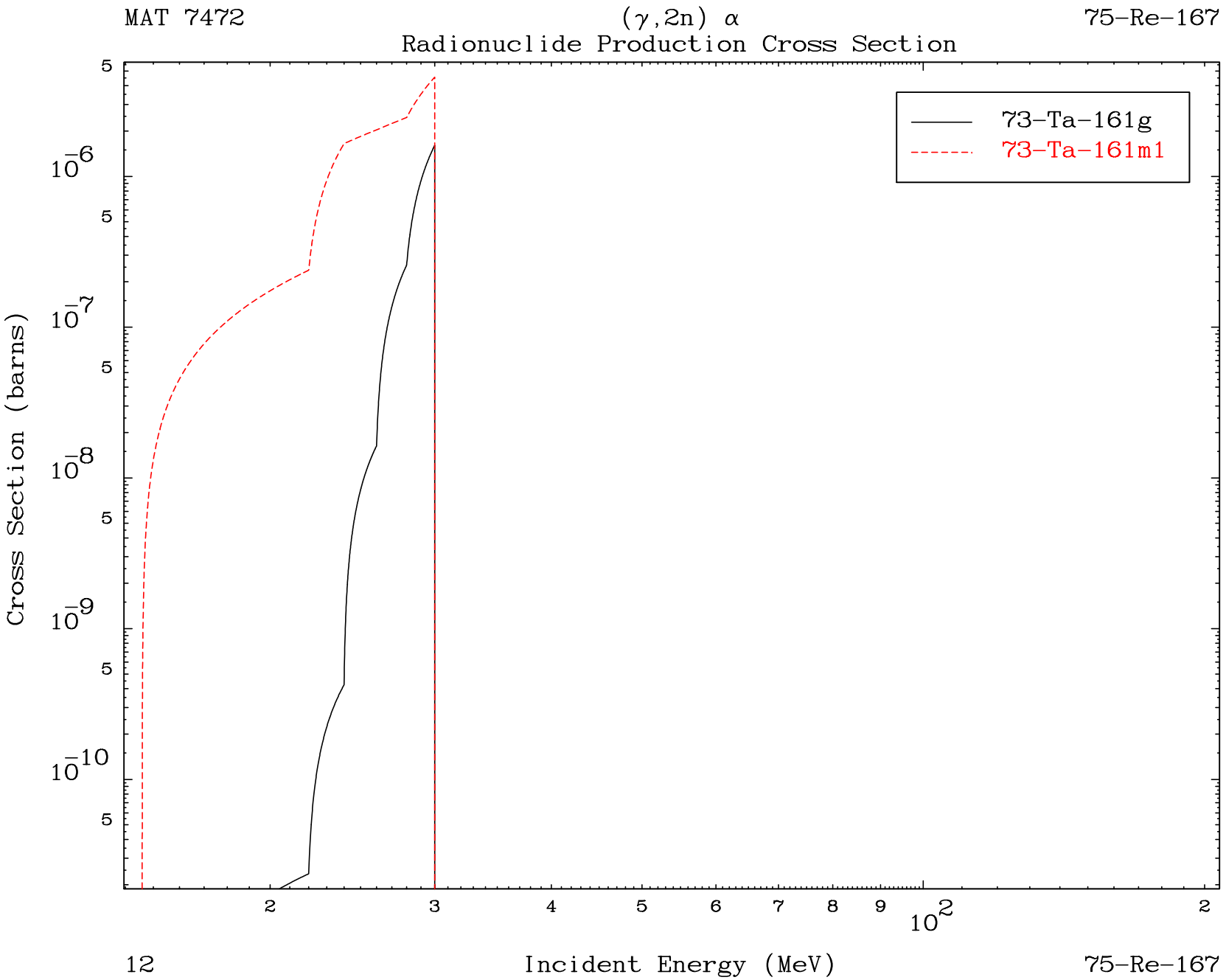

MAT 7472
(γ,d) Levels
75-Re-167
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
75-Re-167
7

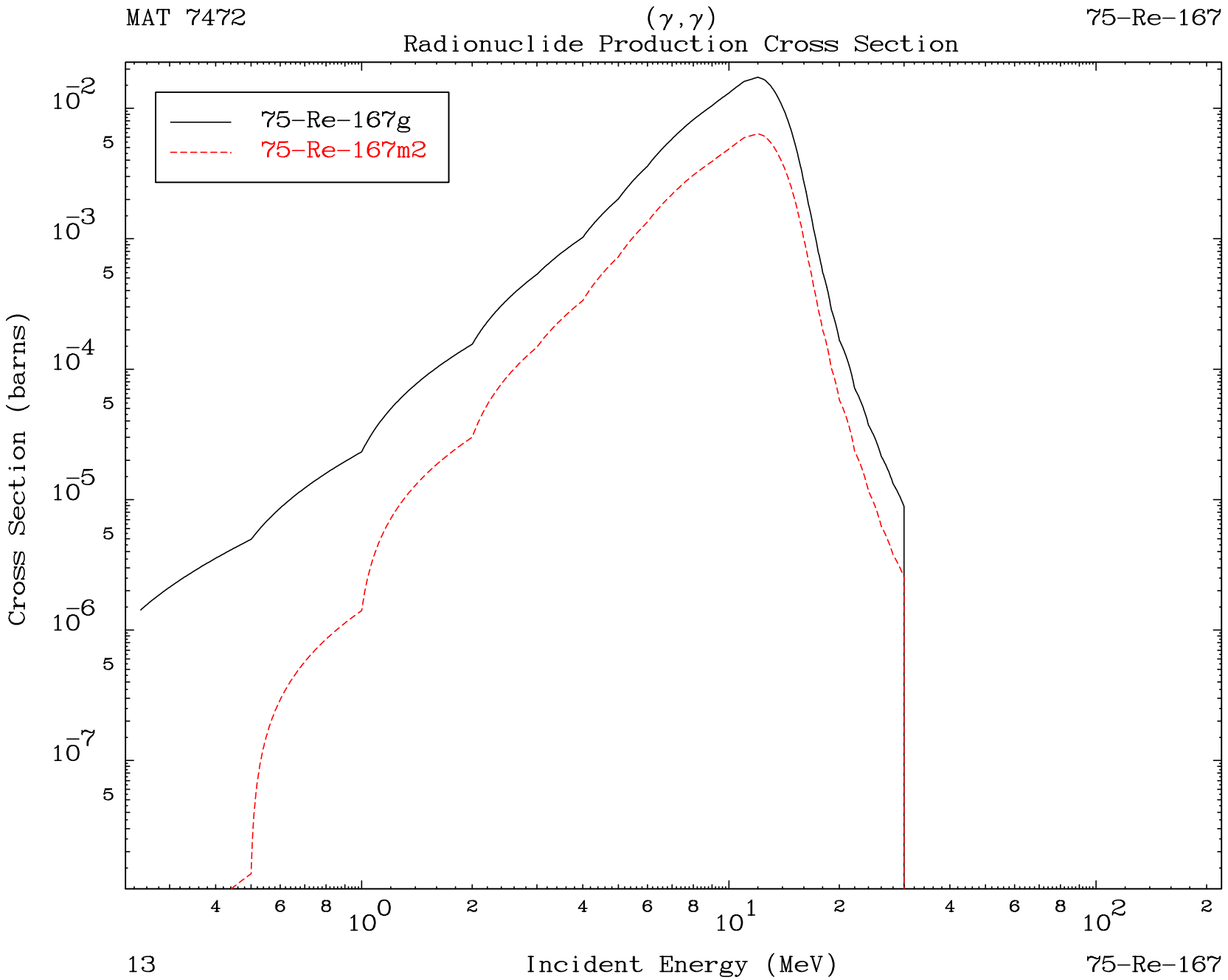

MAT 7472
(γ,t) Levels
75-Re-167
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
75-Re-167

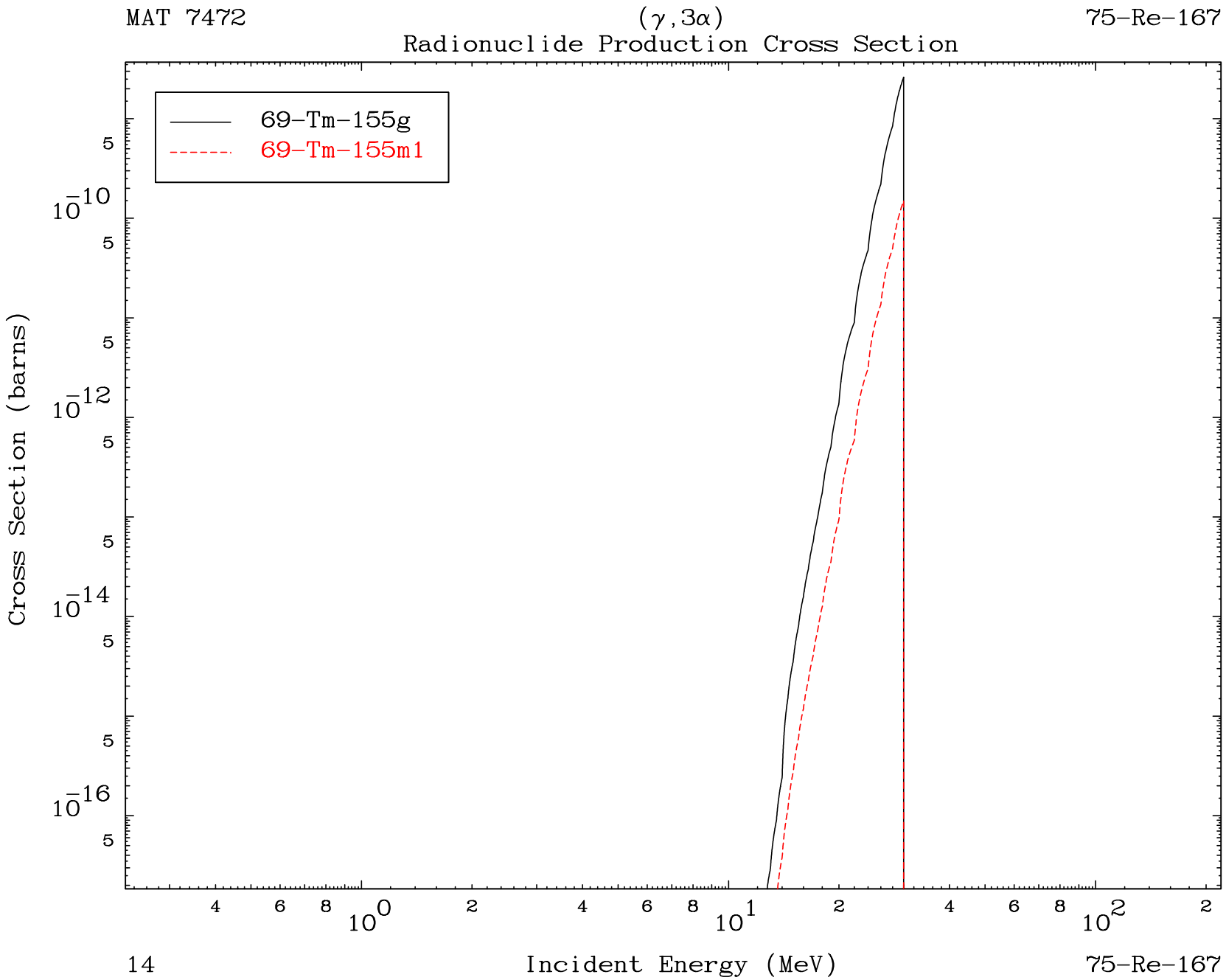

MAT 7472
(γ,He3) Levels
75-Re-167
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
75-Re-167


MAT 7472
(γ,α) Levels
75-Re-167
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
75-Re-167


MAT 7472
(γ,2n)
75-Re-167
Radionuclide Production Cross Section
X10^-4
7
6
5
4
3
Cross Section (barns)
75-Re-165g
75-Re-165m1
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
75-Re-167


MAT 7472
(γ,2n) α
75-Re-167
Radionuclide Production Cross Section
73-Ta-161g
73-Ta-161m1
Cross Section (barns)
Incident Energy (MeV)
12
75-Re-167


MAT 7472
(γ,γ)
75-Re-167
Radionuclide Production Cross Section
75-Re-167g
75-Re-167m2
Cross Section (barns)
Incident Energy (MeV)
13
75-Re-167


MAT 7472
(γ,3α)
75-Re-167
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^0
10^1
10^2
Incident Energy (MeV)
14
75-Re-167