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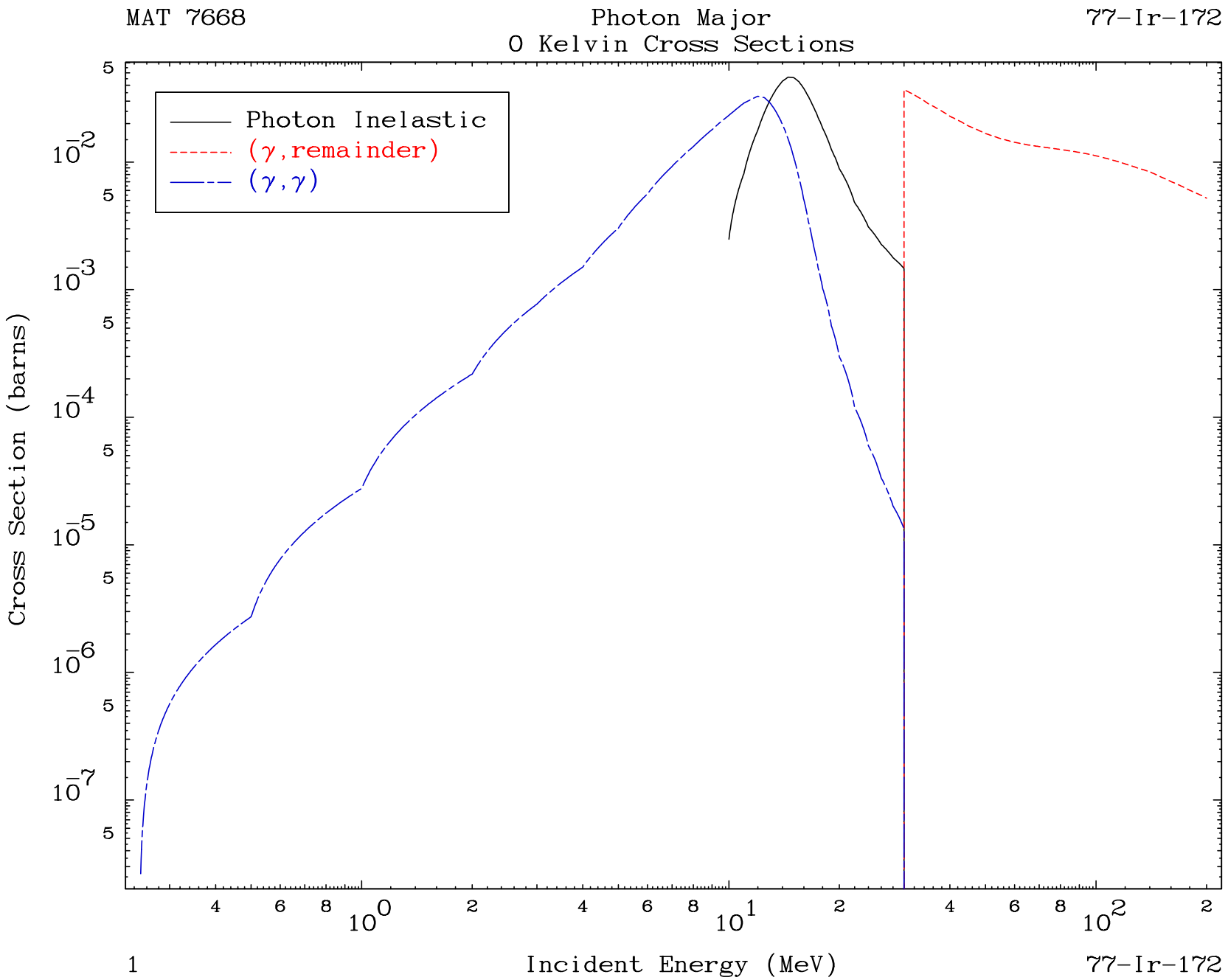
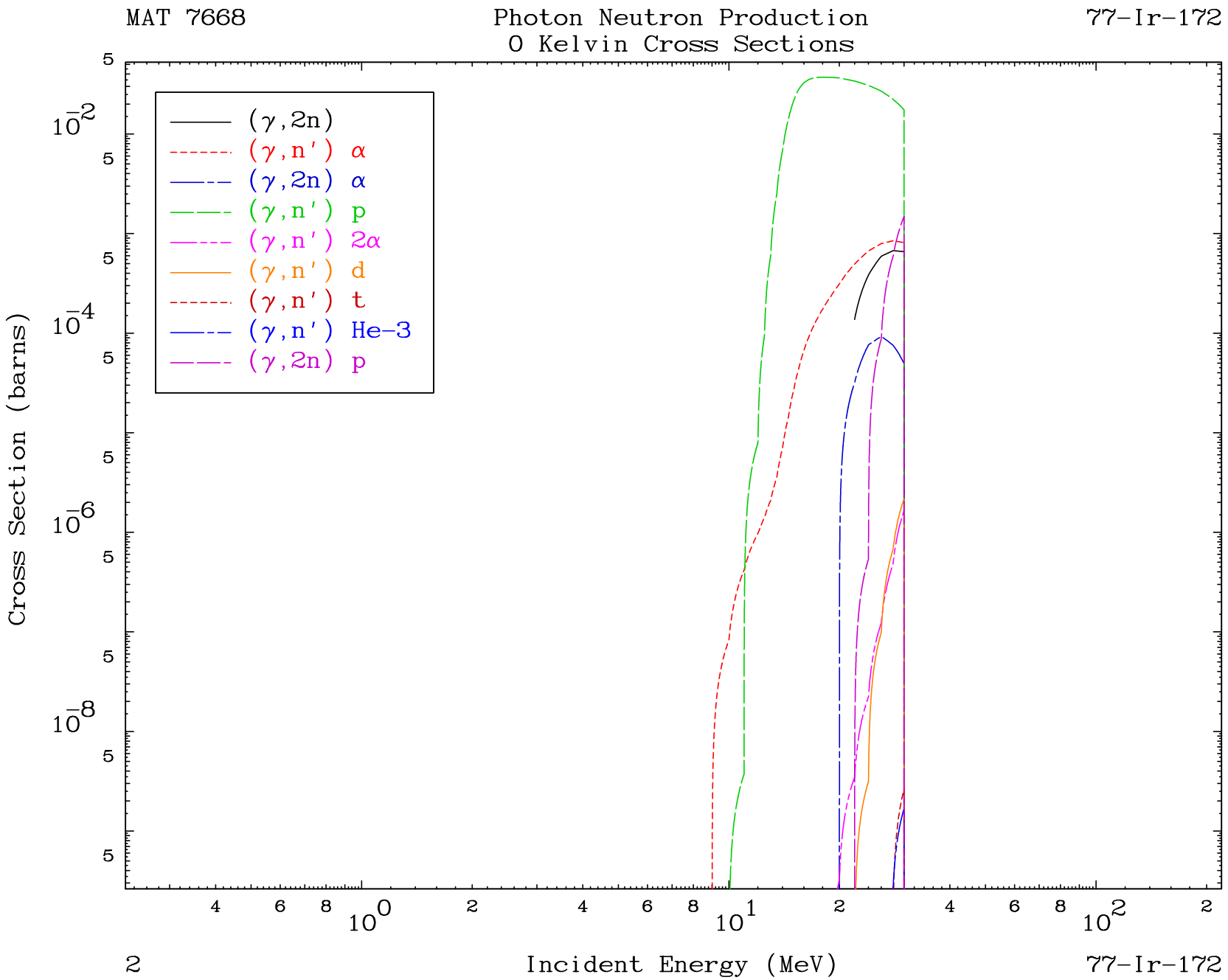
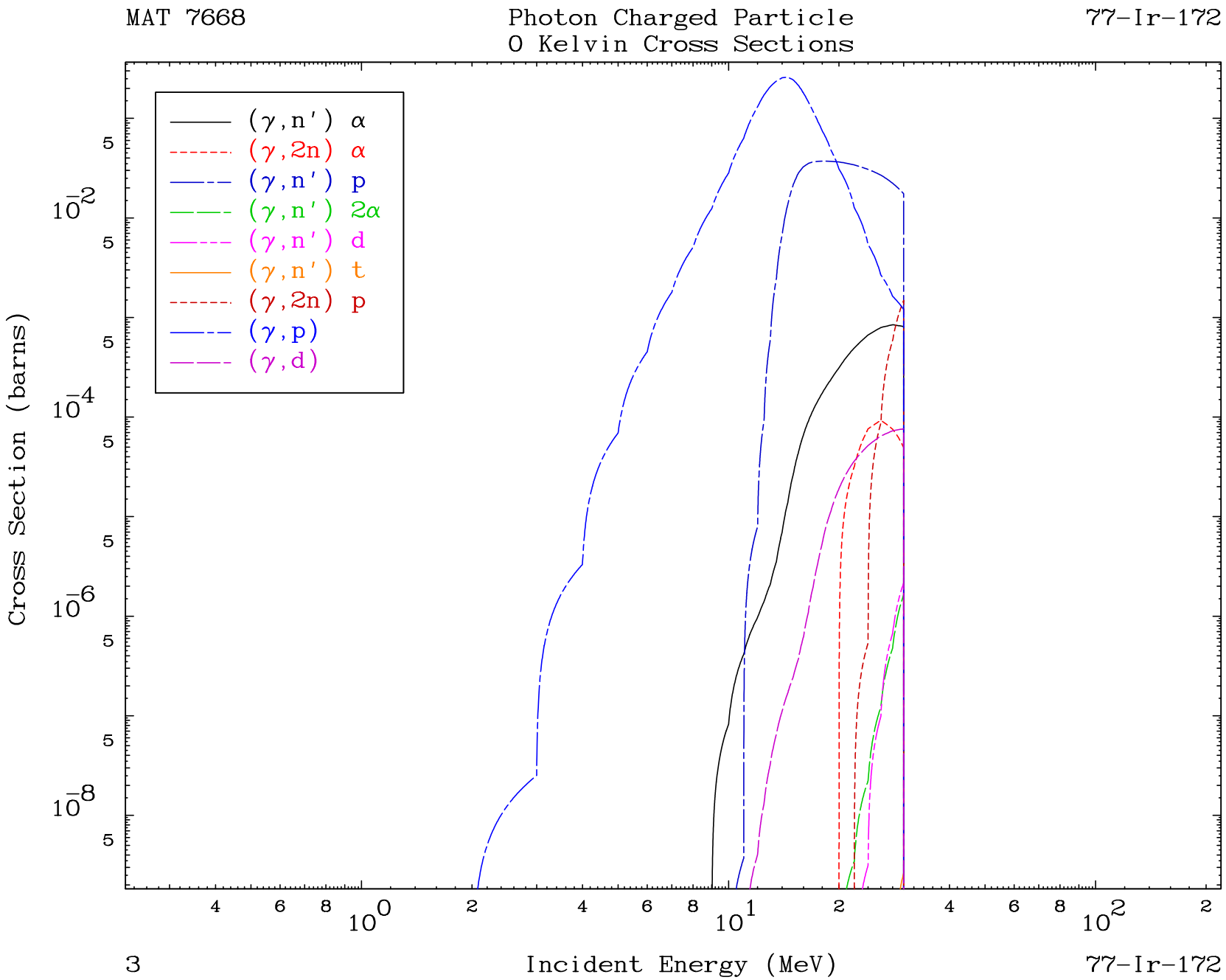
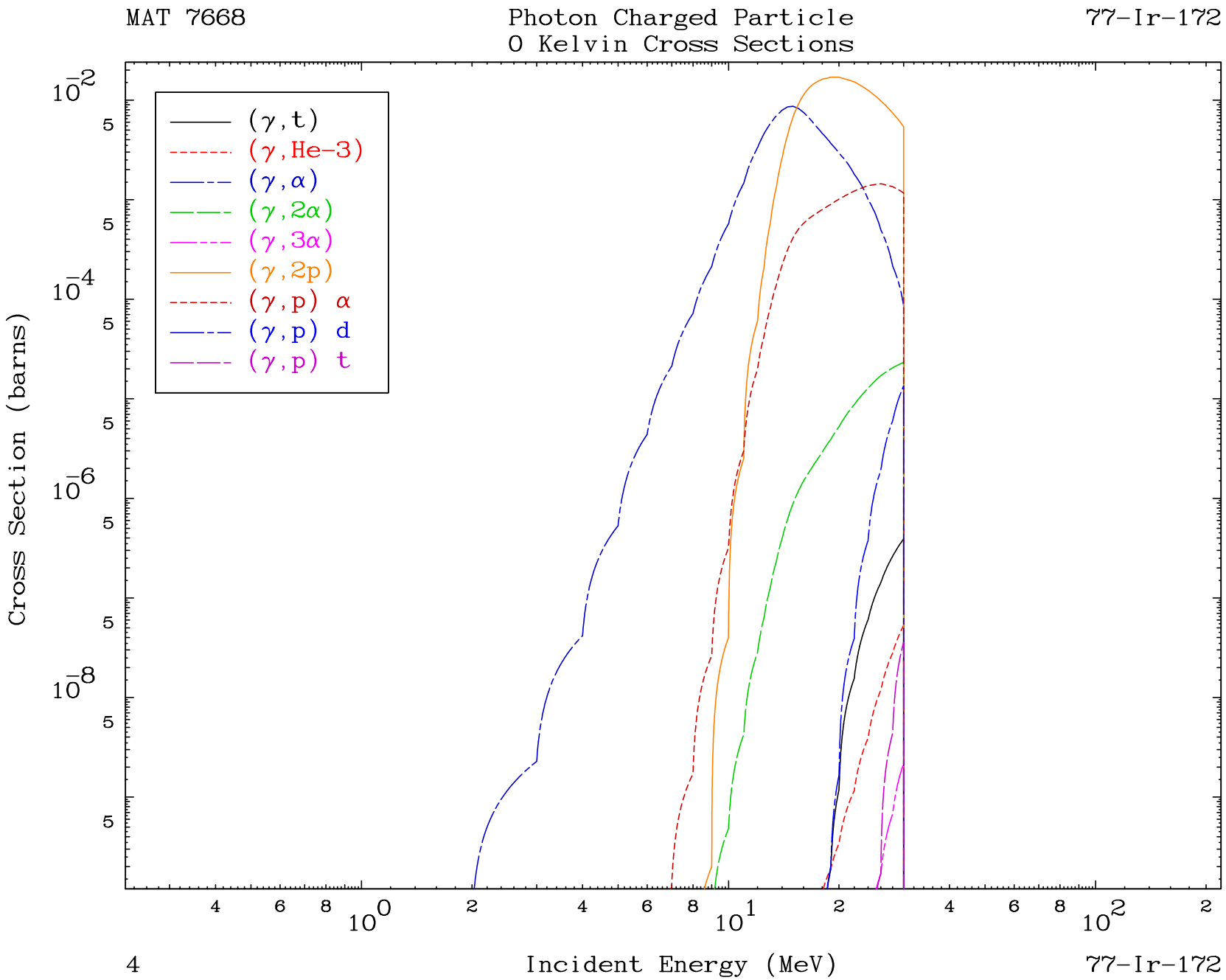
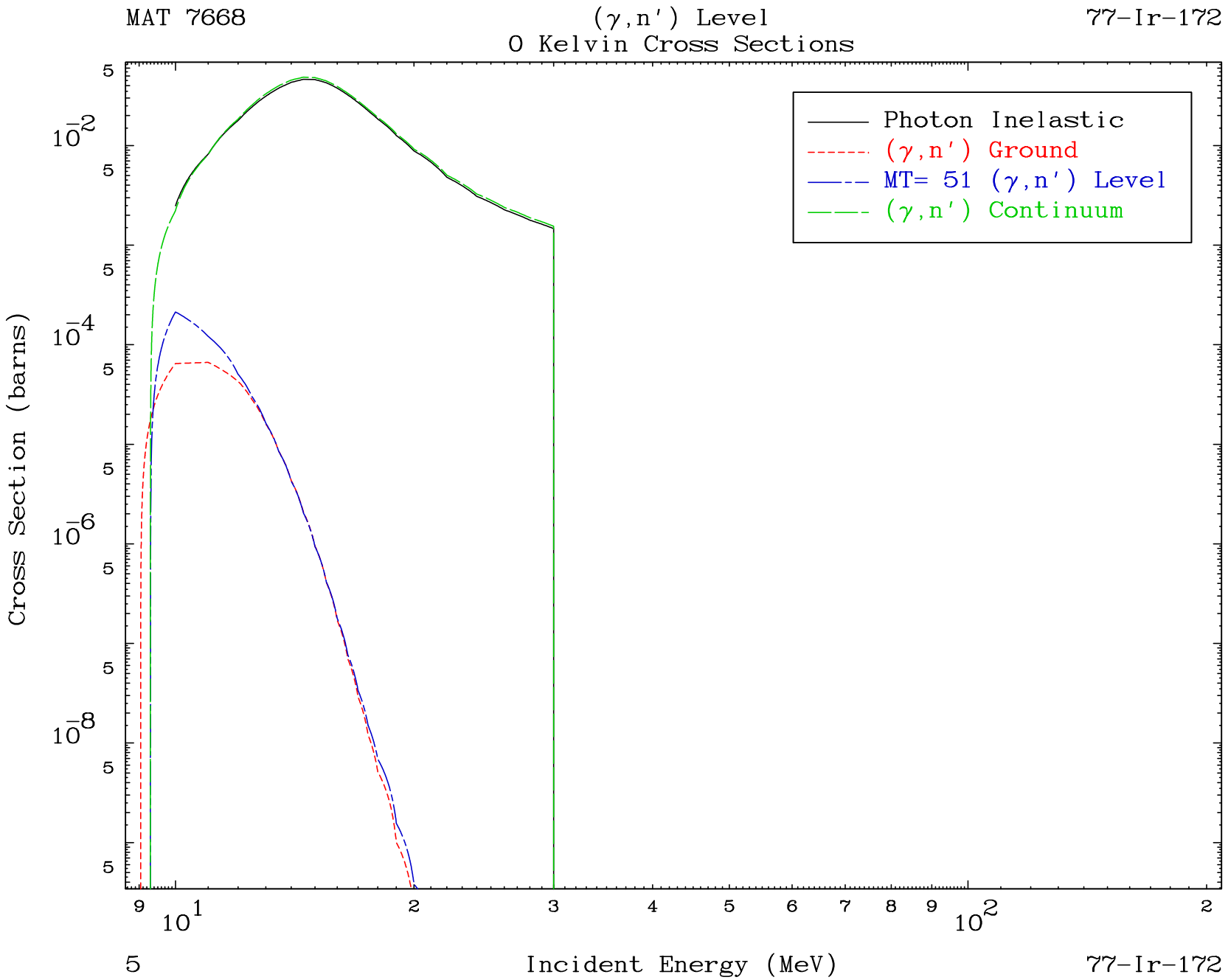
Press Mouse Button to Start

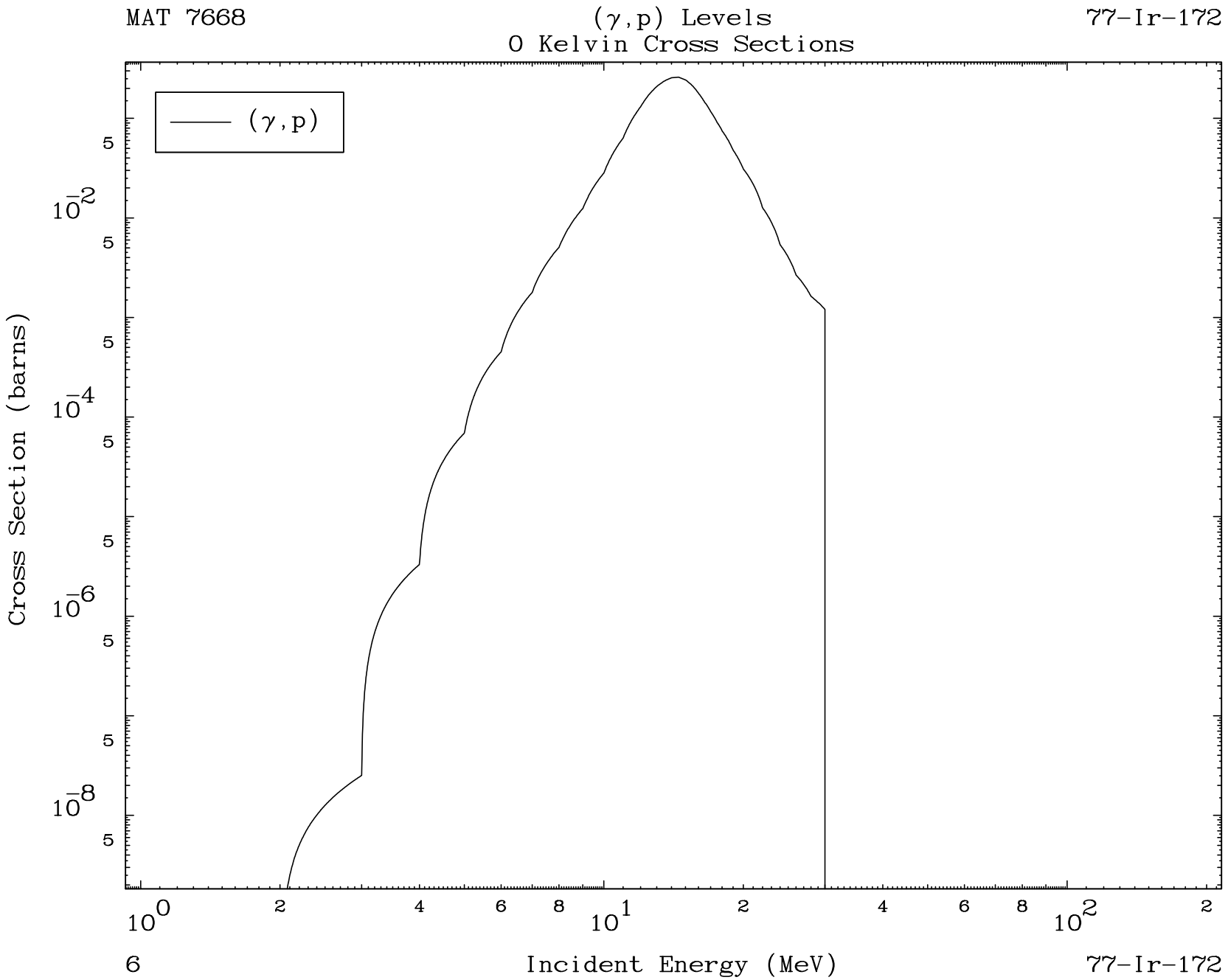

MAT 7668
Photon Major
77-Ir-172
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172

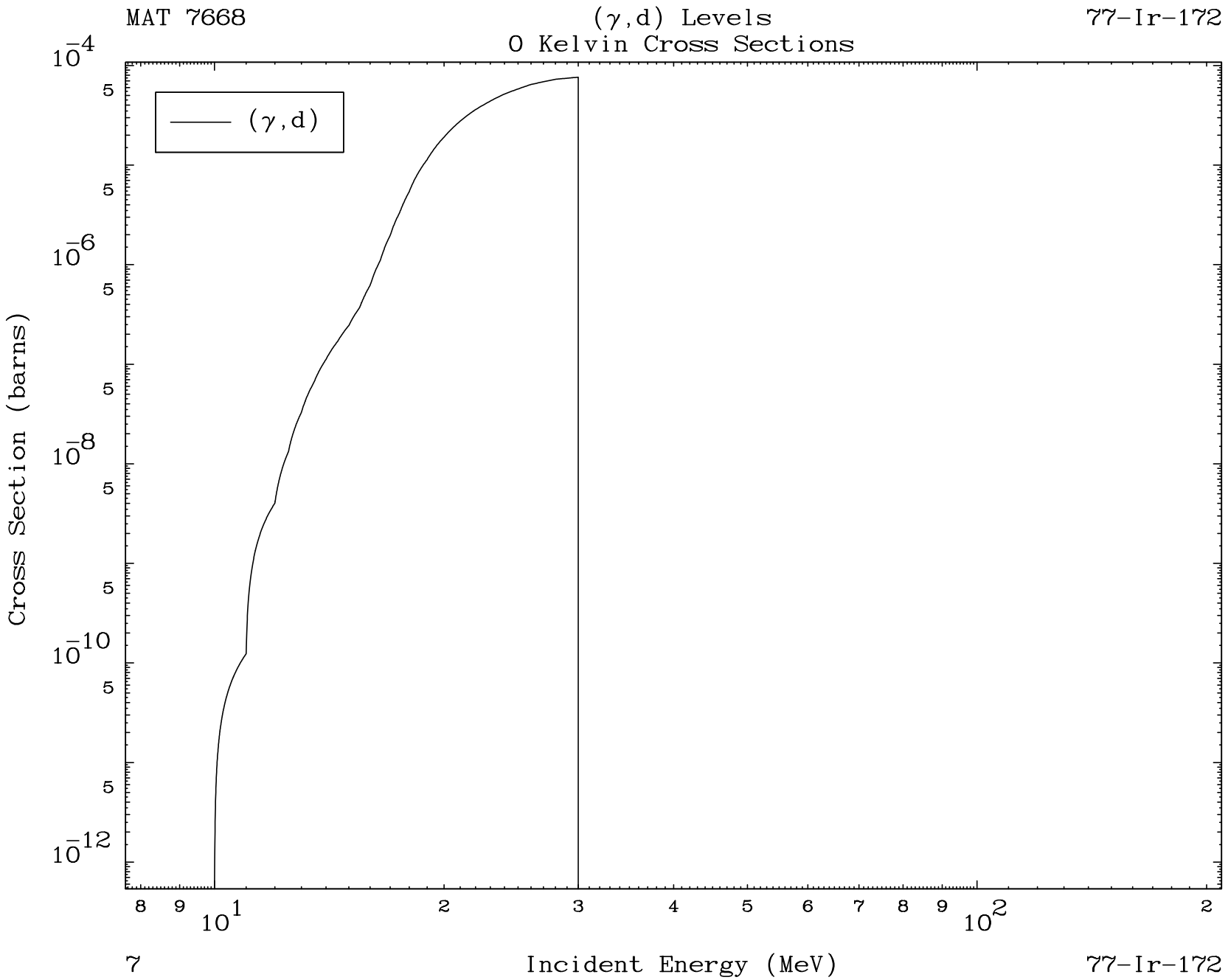

MAT 7668
Photon Neutron Production
0 Kelvin Cross Sections
77-Ir-172
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,n') He-3
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172
2

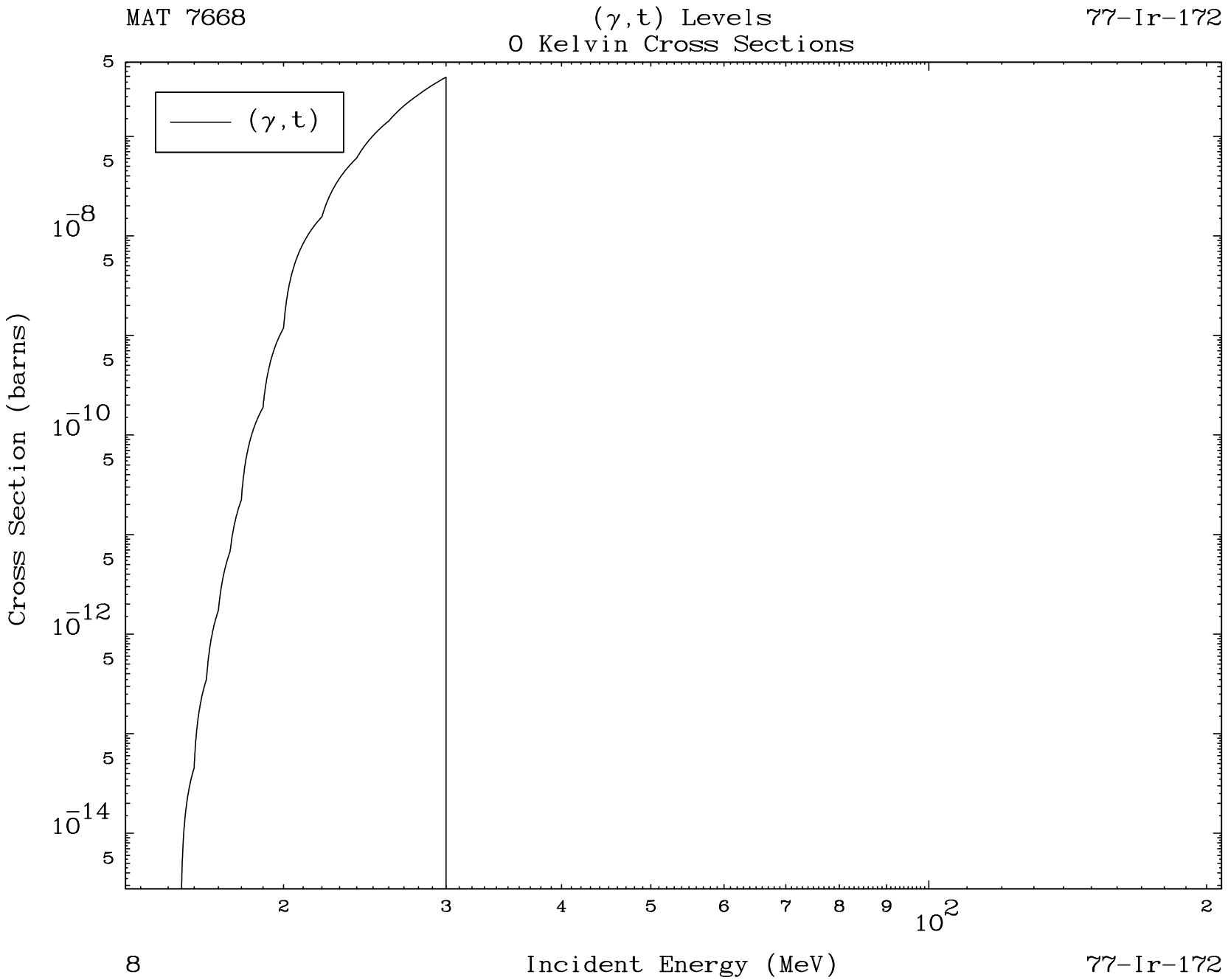

MAT 7668
Photon Charged Particle
0 Kelvin Cross Sections
77-Ir-172
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-172

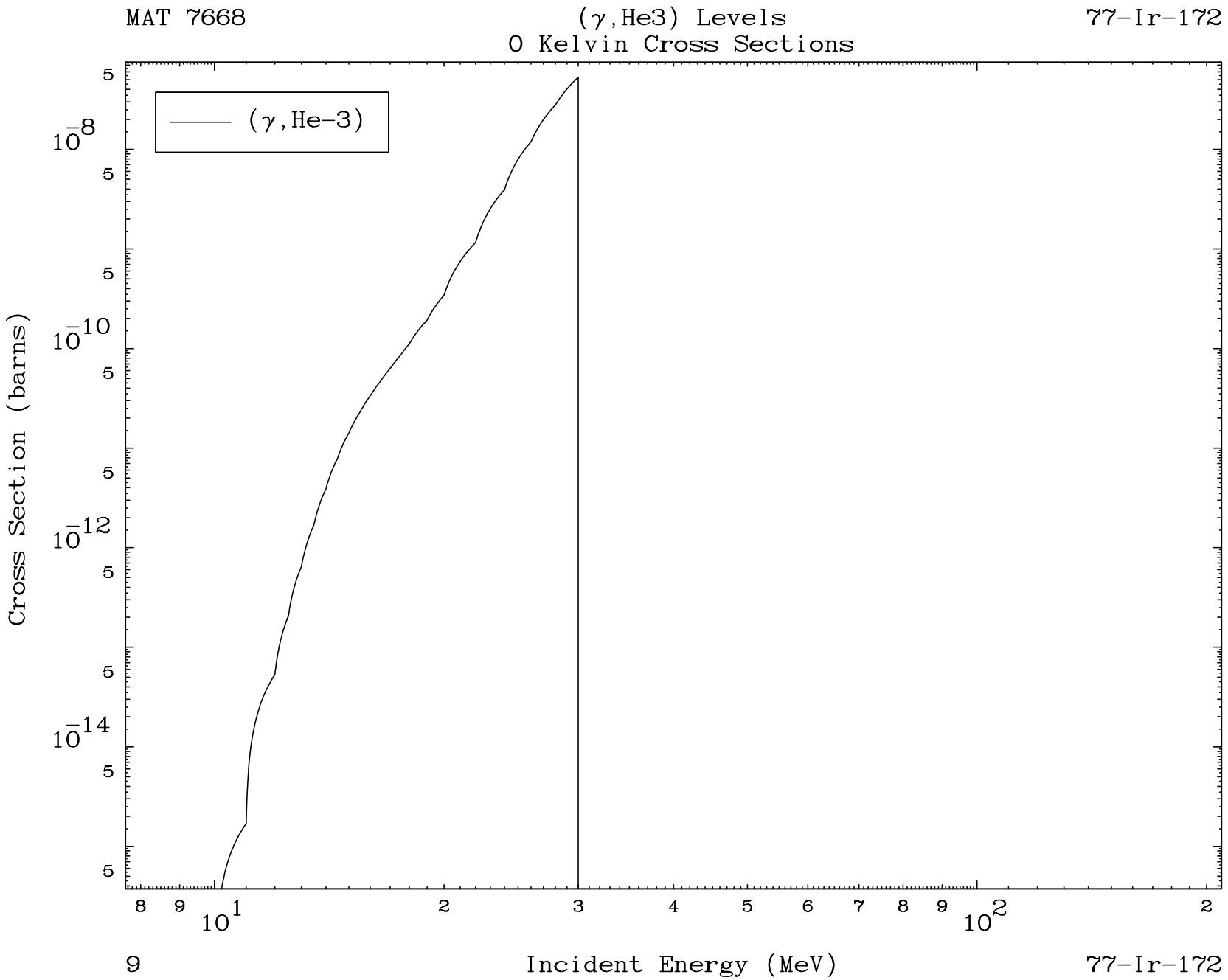

MAT 7668
Photon Charged Particle
0 Kelvin Cross Sections
77-Ir-172
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,3α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-172

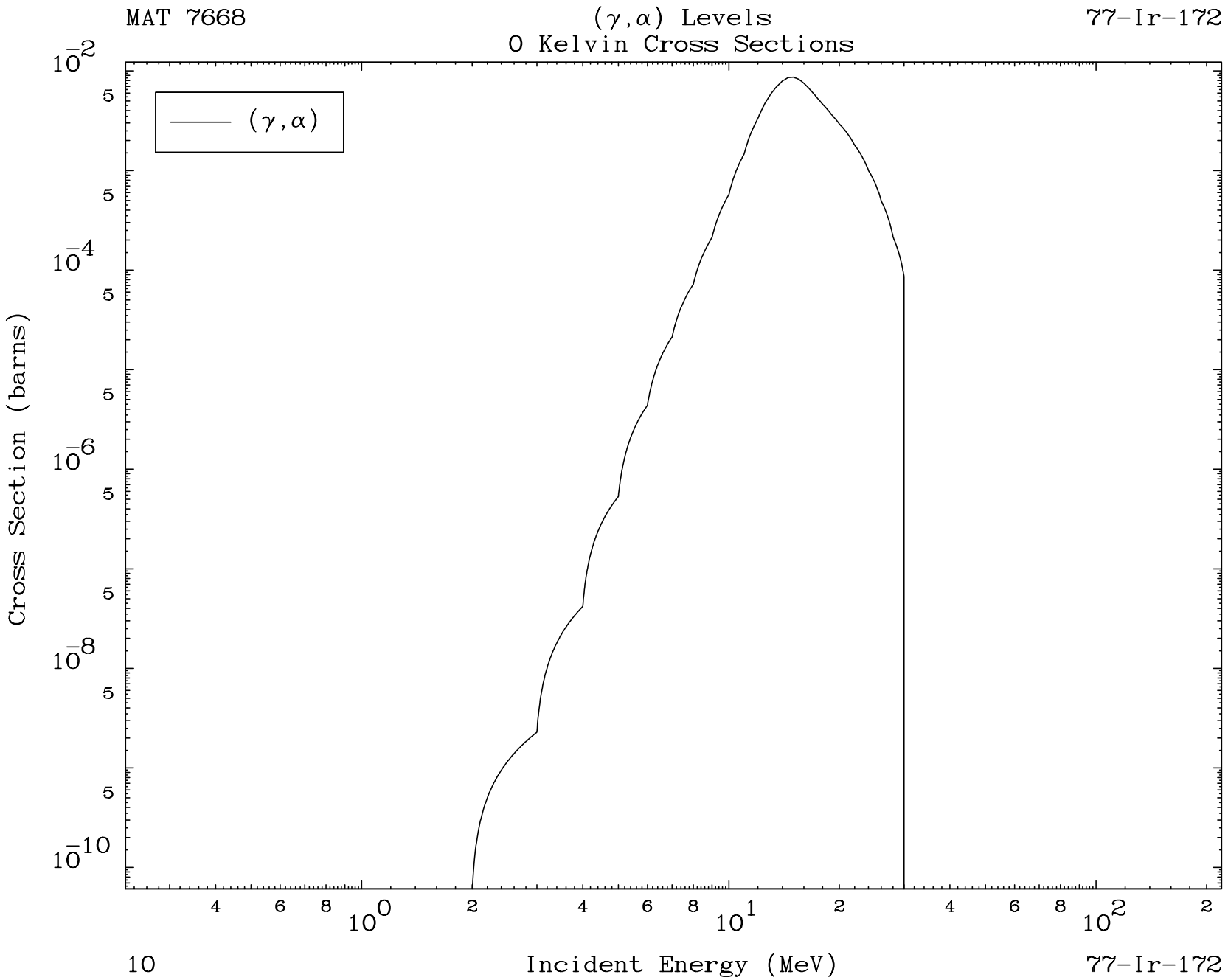

MAT 7668
(γ,n') Level
77-Ir-172
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172

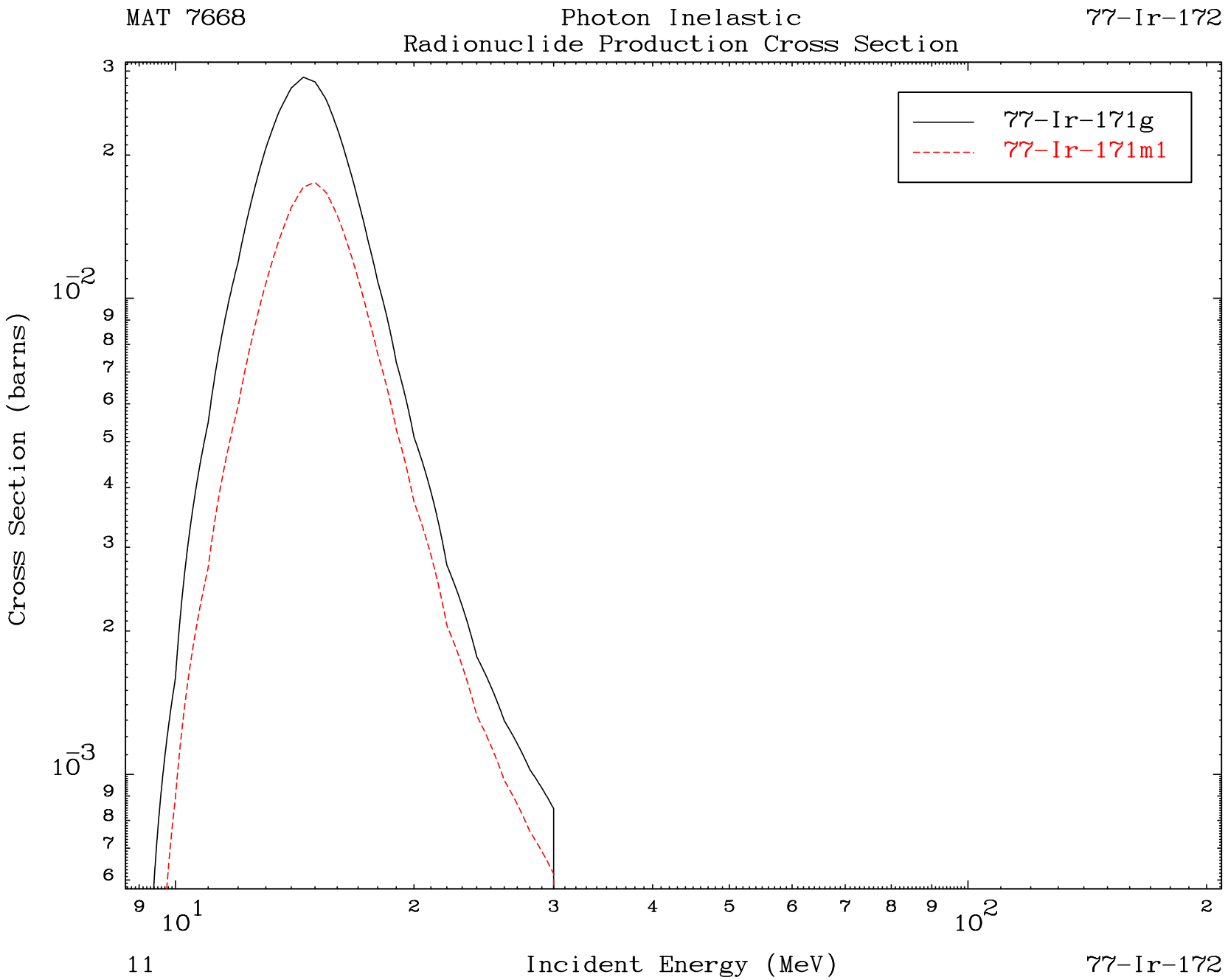

MAT 7668
(γ,p) Levels
77-Ir-172
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
6
77-Ir-172

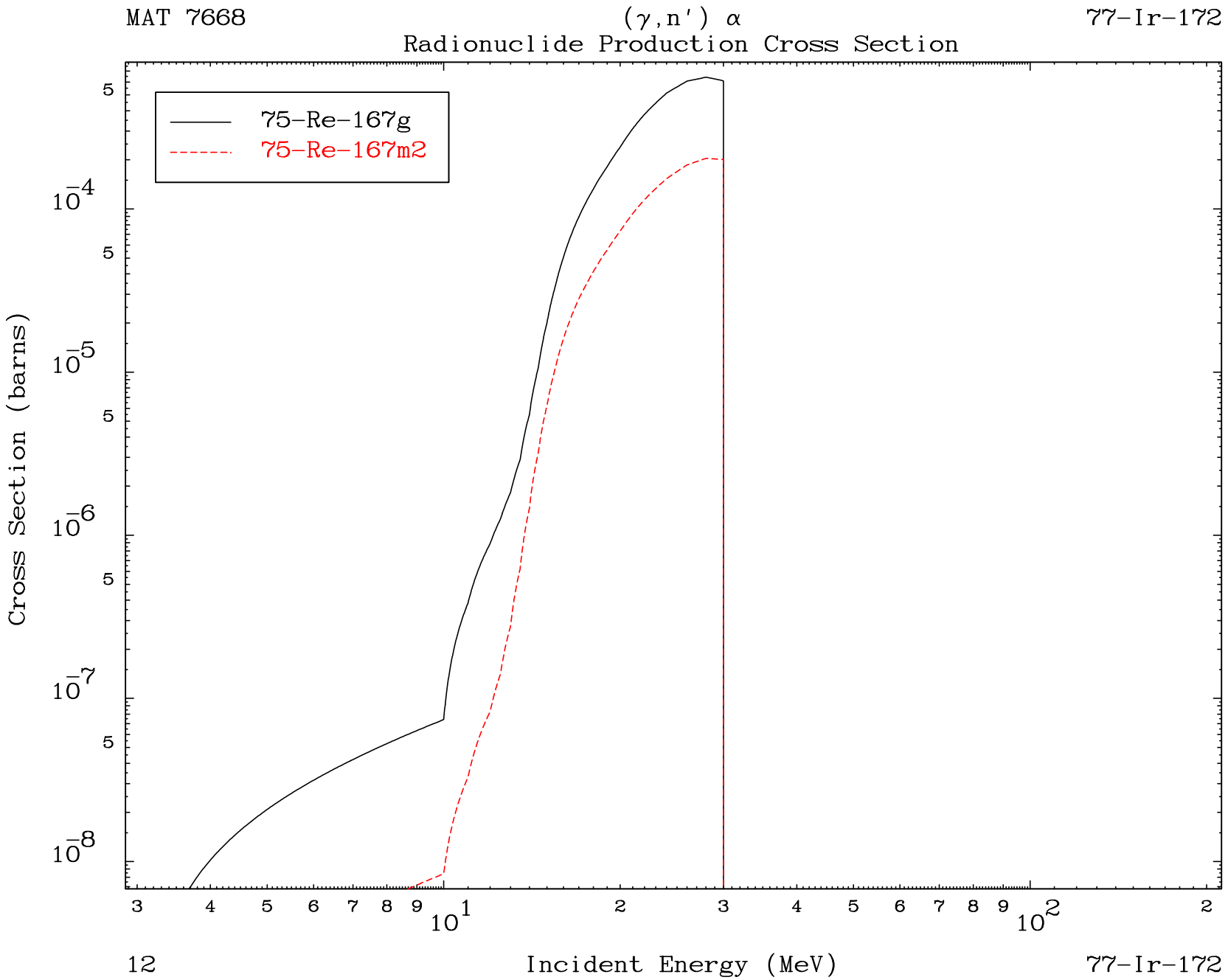

MAT 7668
(γ,d) Levels
77-Ir-172
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172
7

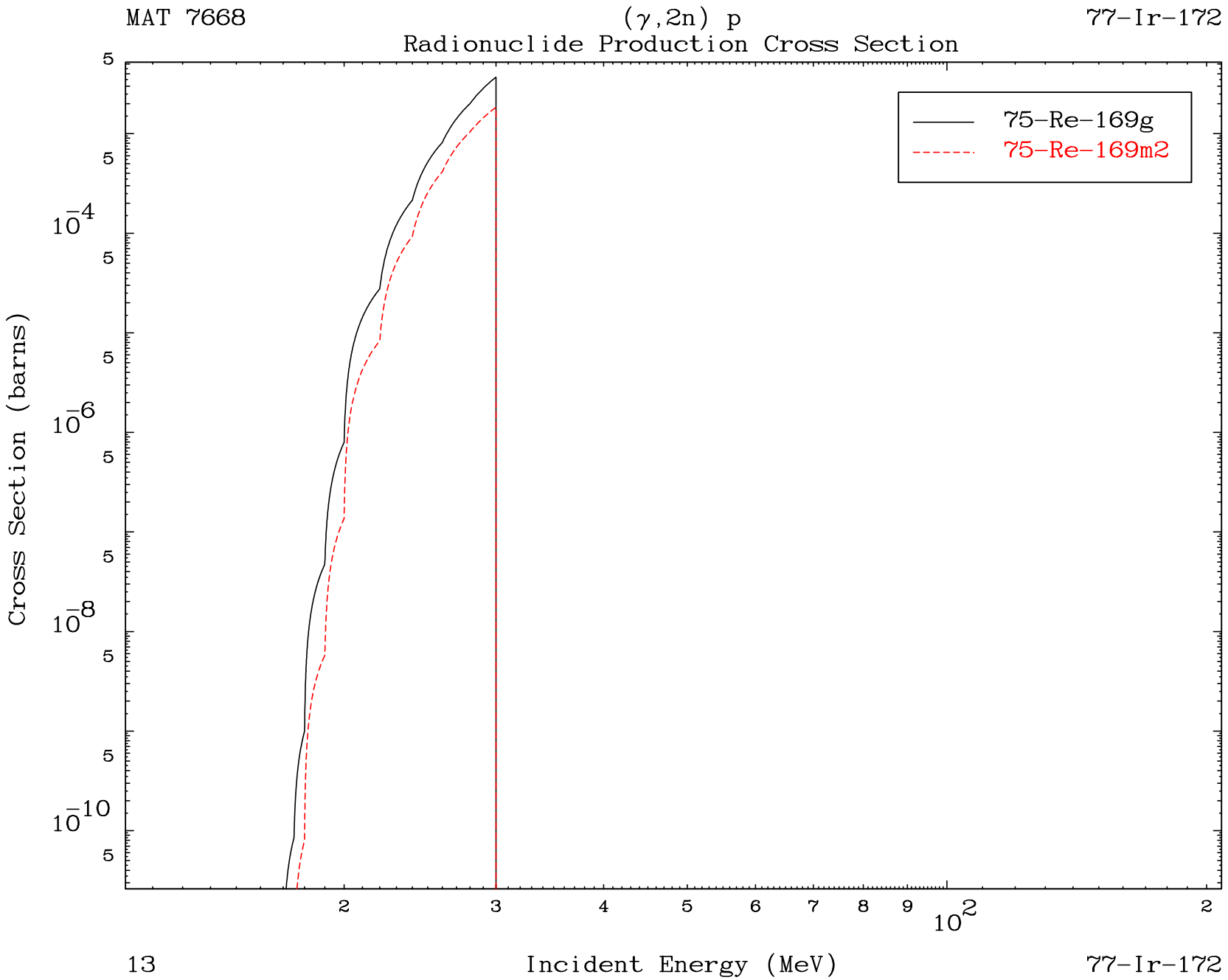

MAT 7668
(γ,t) Levels
77-Ir-172
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
Incident Energy (MeV)
8
77-Ir-172

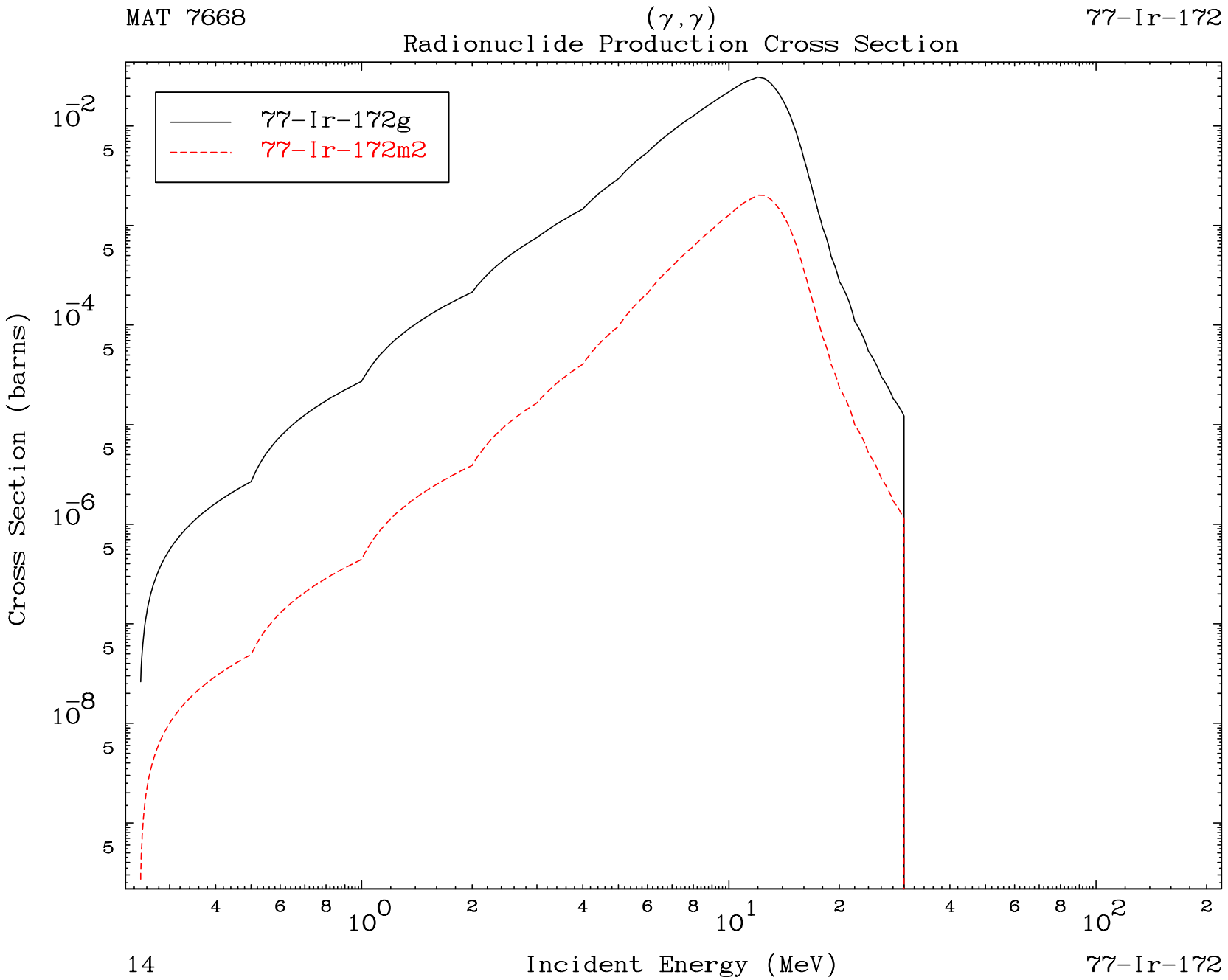

MAT 7668
(γ,He3) Levels
77-Ir-172
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172
9

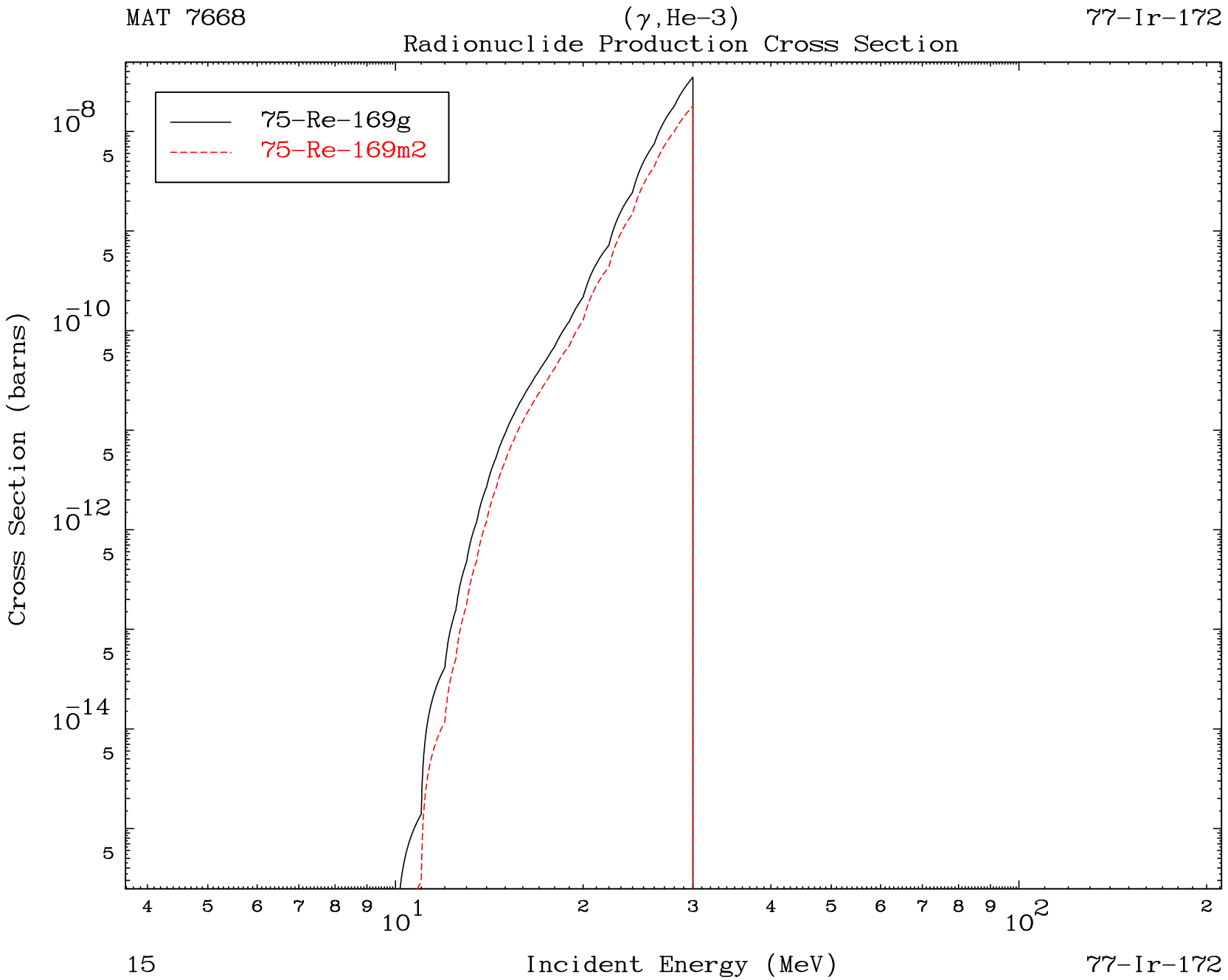

MAT 7668
(γ,α) Levels
77-Ir-172
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-172

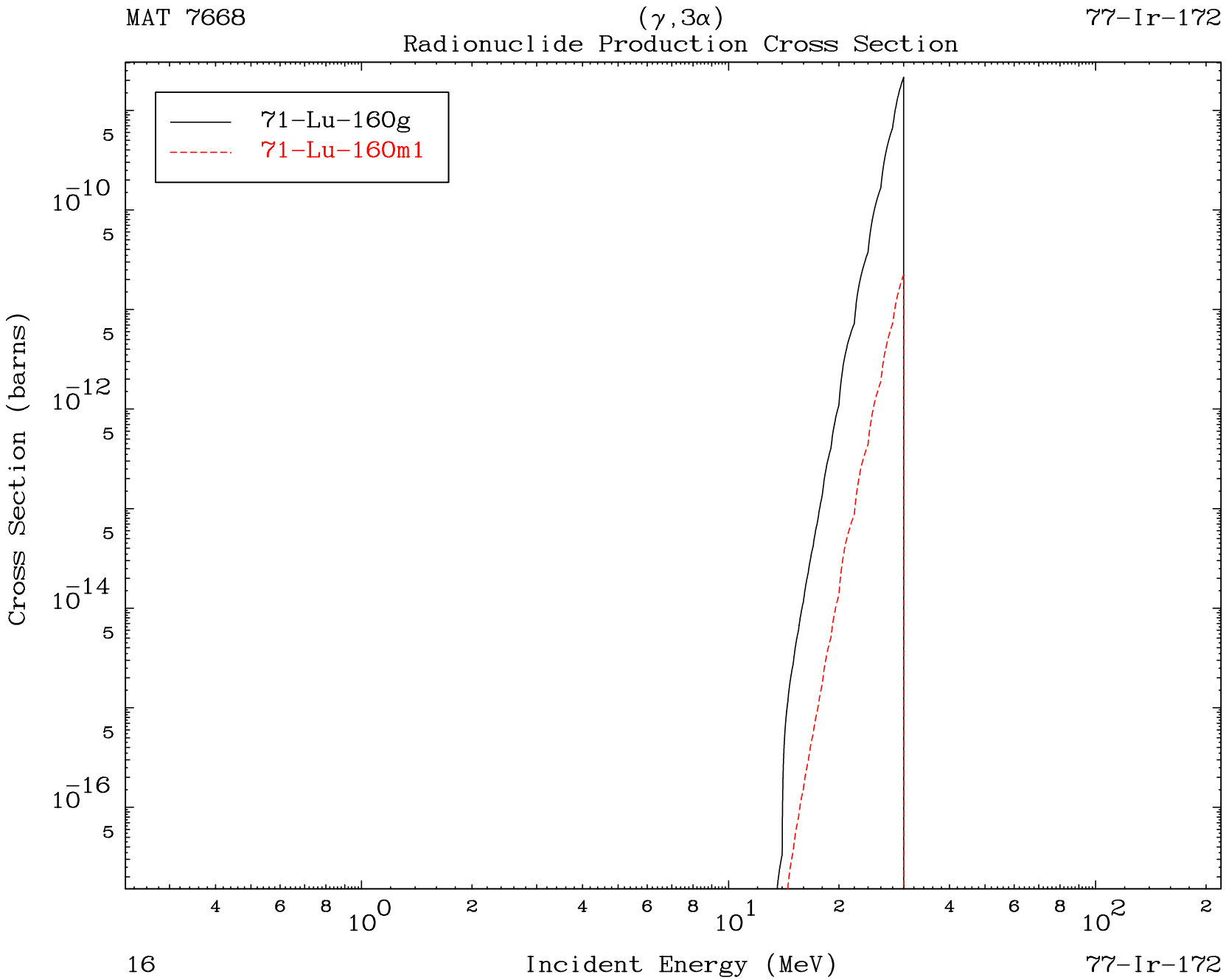

MAT 7668
Photon Inelastic
77-Ir-172
Radionuclide Production Cross Section
77-Ir-171g
77-Ir-171m1
Cross Section (barns)
Incident Energy (MeV)
11
77-Ir-172

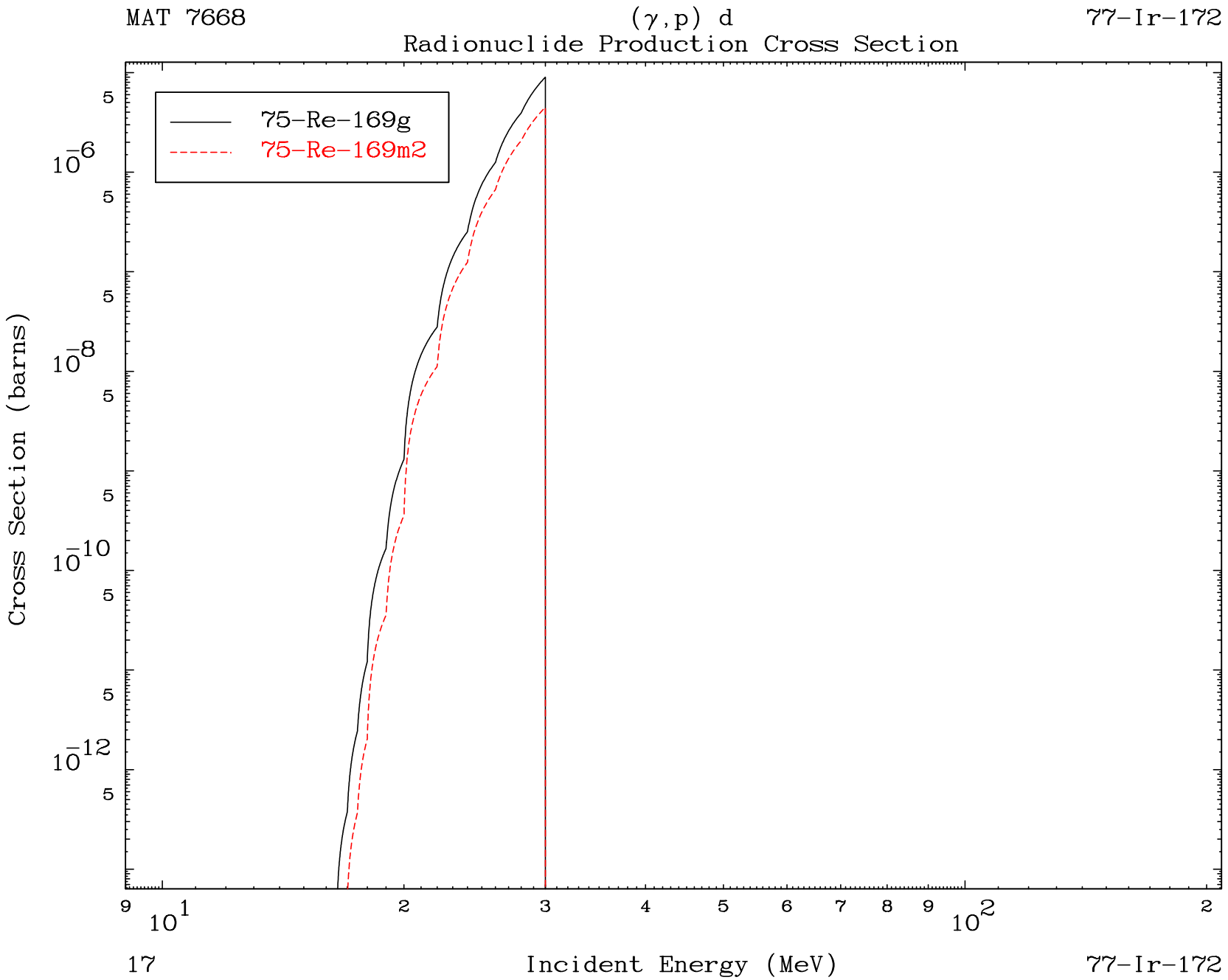

MAT 7668
(γ,n') α
77-Ir-172
Radionuclide Production Cross Section
75-Re-167g
75-Re-167m2
Cross Section (barns)
10^-4
10^-5
10^-6
10^-7
10^-8
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
12
Incident Energy (MeV)
77-Ir-172


MAT 7668
(γ,2n) p
77-Ir-172
Radionuclide Production Cross Section
75-Re-169g
75-Re-169m2
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-172


MAT 7668
(γ,γ)
77-Ir-172
Radionuclide Production Cross Section
77-Ir-172g
77-Ir-172m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
14
77-Ir-172


MAT 7668
(γ,He-3)
77-Ir-172
Radionuclide Production Cross Section
75-Re-169g
75-Re-169m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
15
Incident Energy (MeV)
77-Ir-172


MAT 7668
(γ,3α)
77-Ir-172
Radionuclide Production Cross Section
71-Lu-160g
71-Lu-160m1
Cross Section (barns)
Incident Energy (MeV)
16
77-Ir-172


MAT 7668
(γ,p) d
77-Ir-172
Radionuclide Production Cross Section
75-Re-169g
75-Re-169m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
17
77-Ir-172