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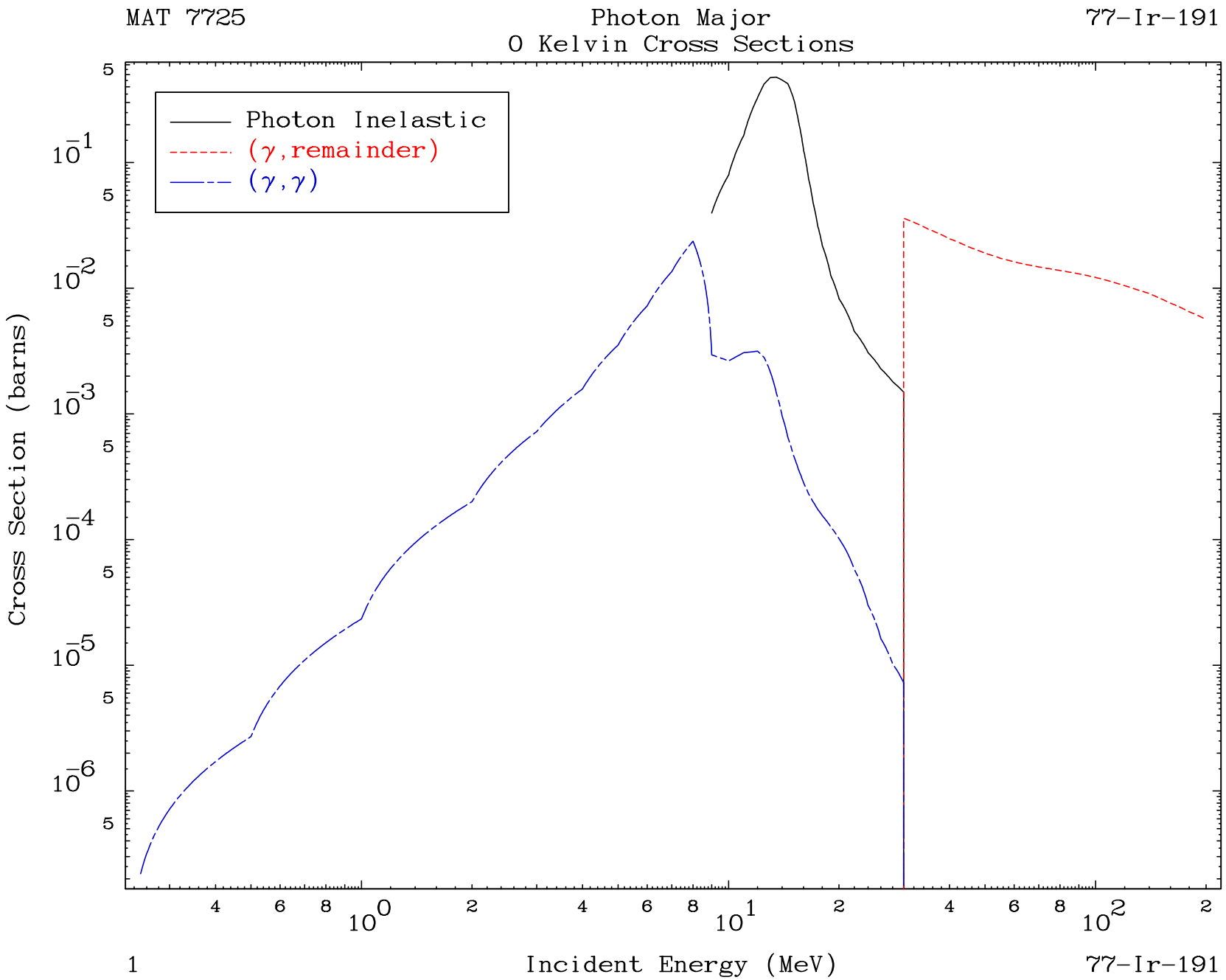
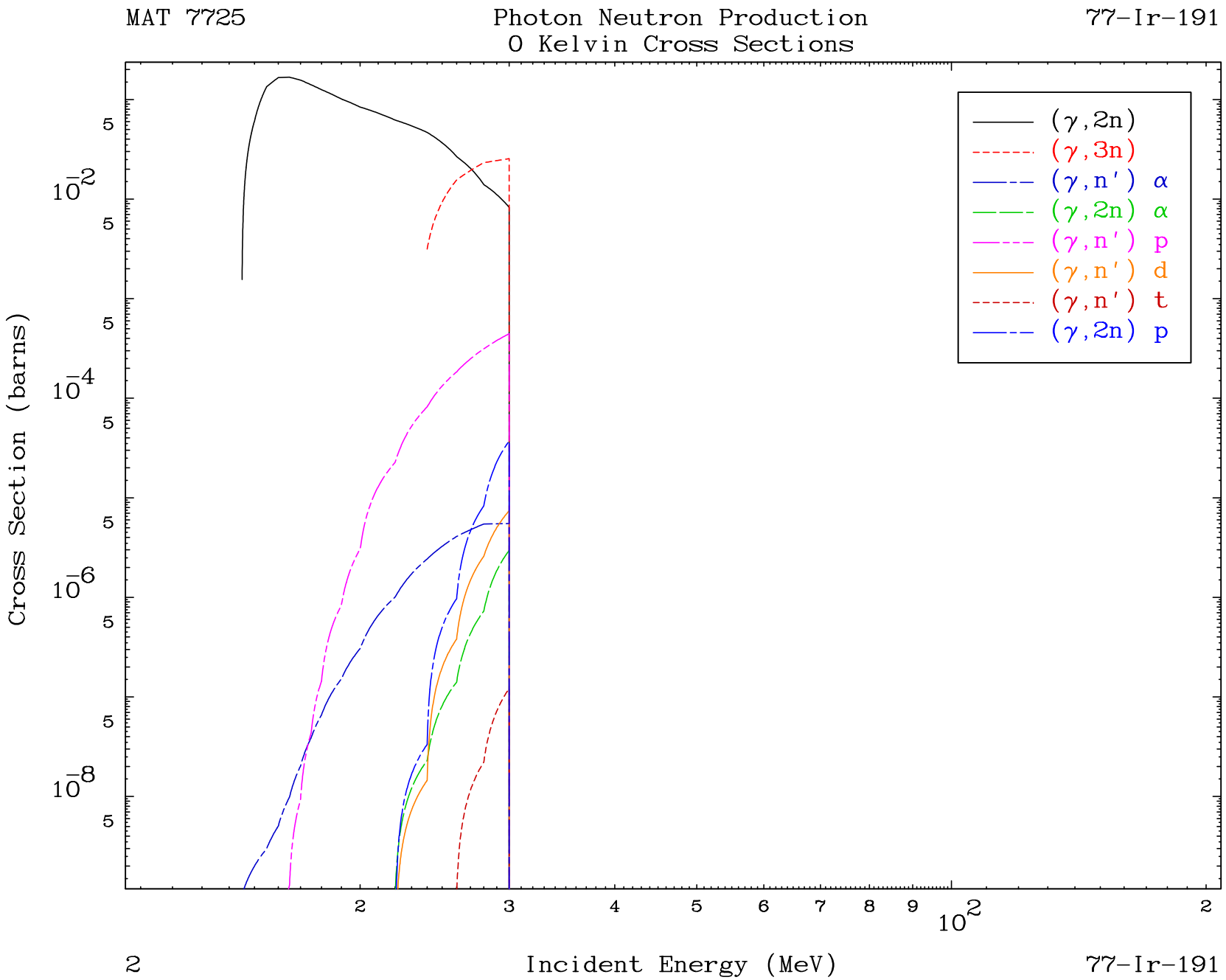
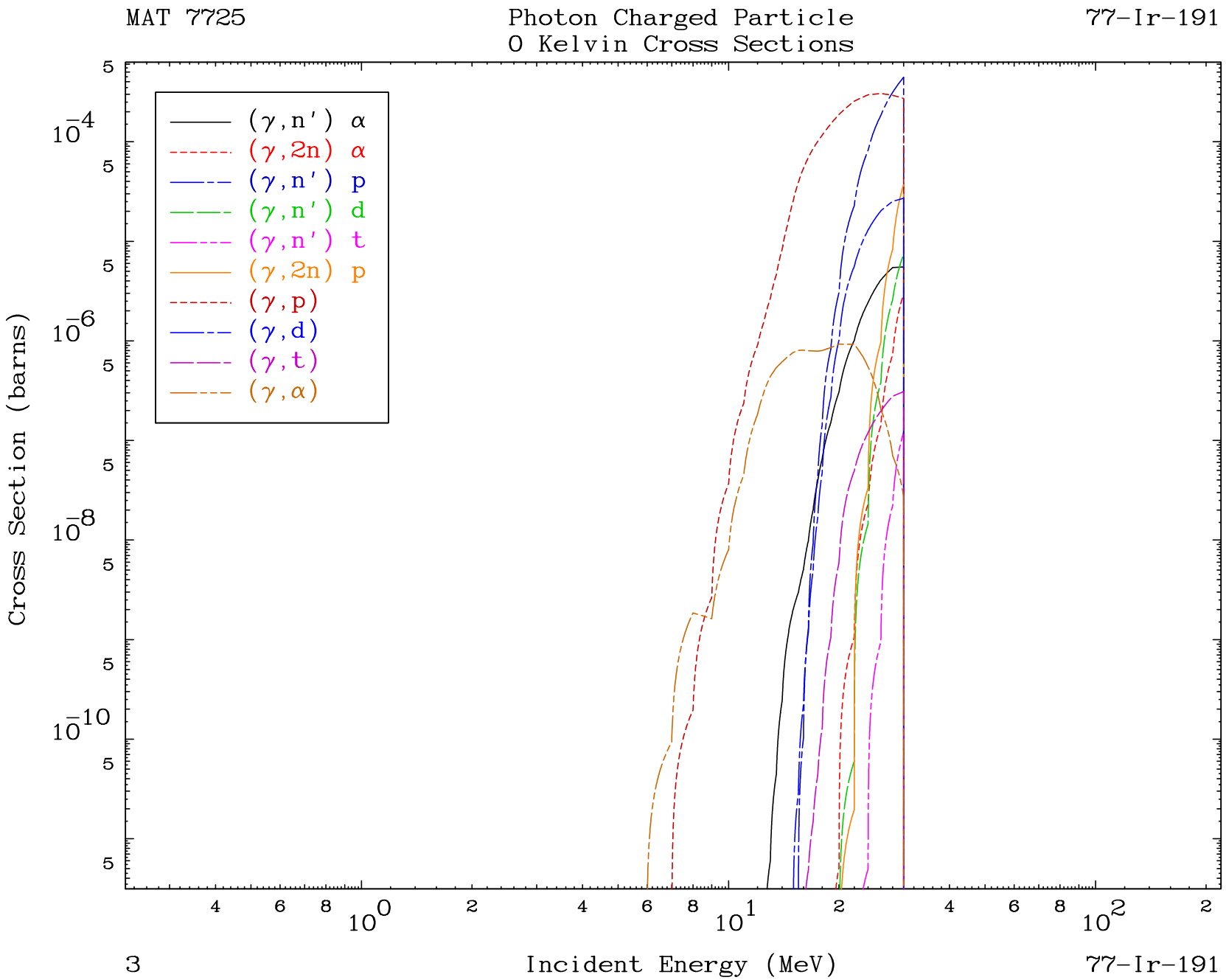
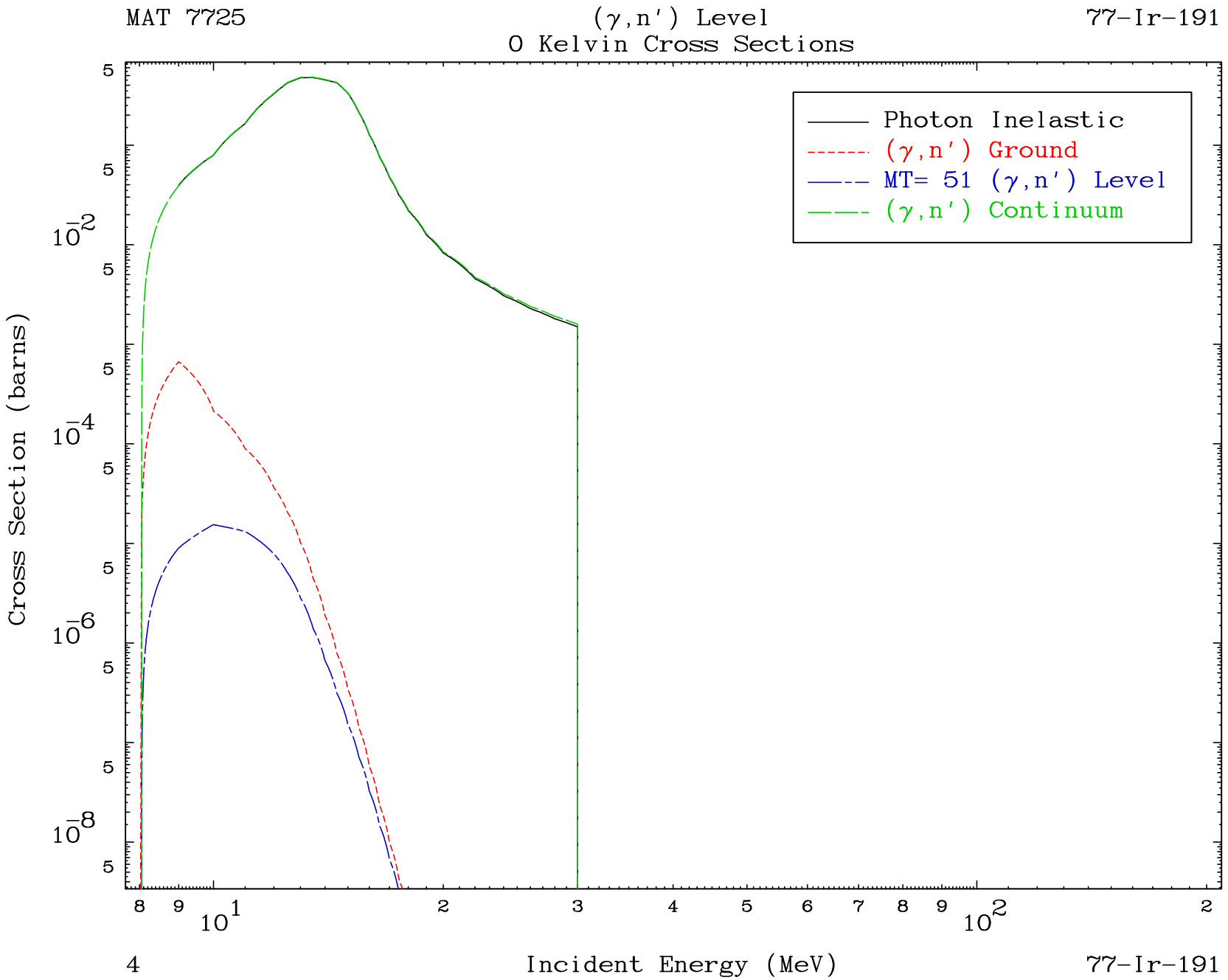
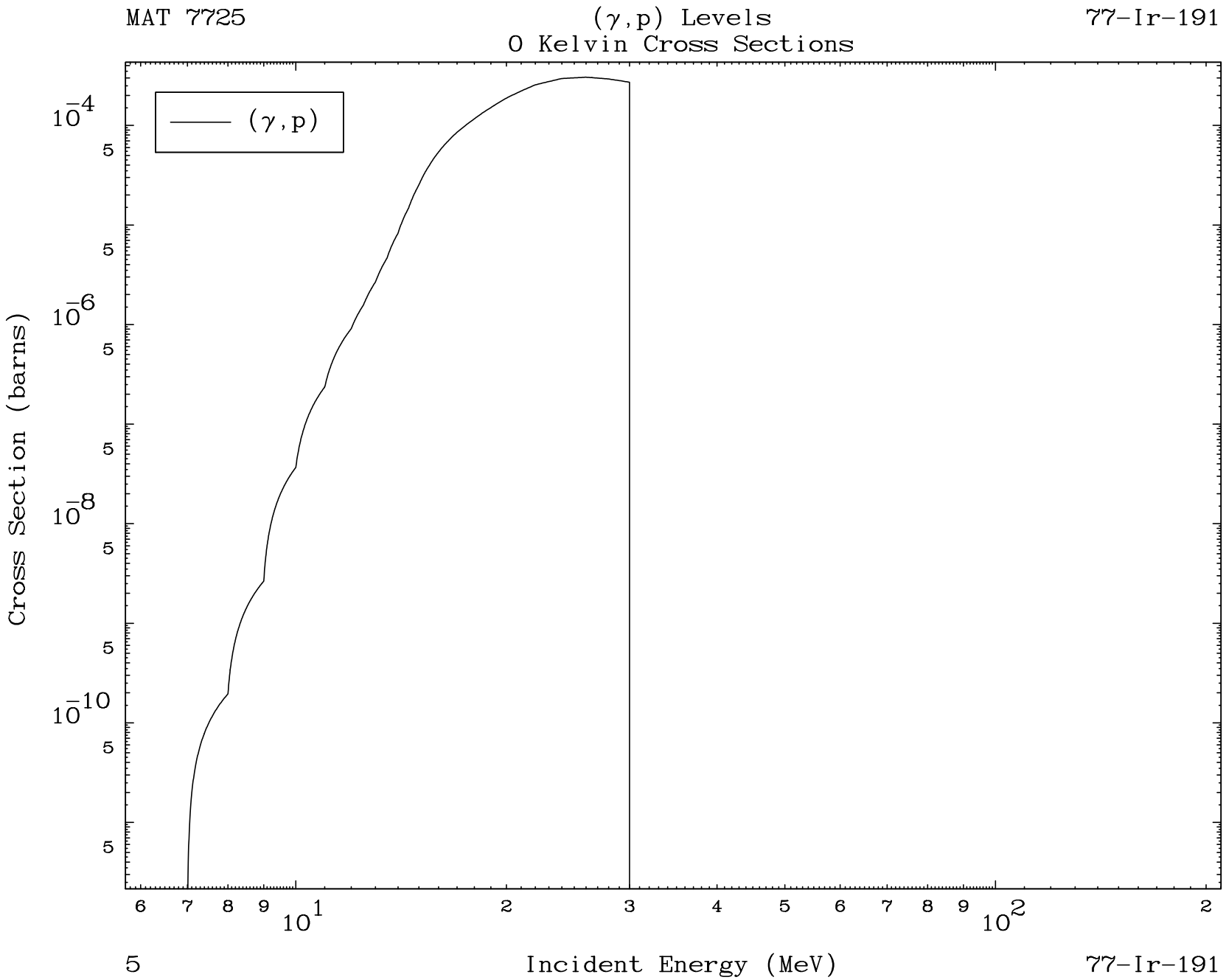
Press Mouse Button to Start

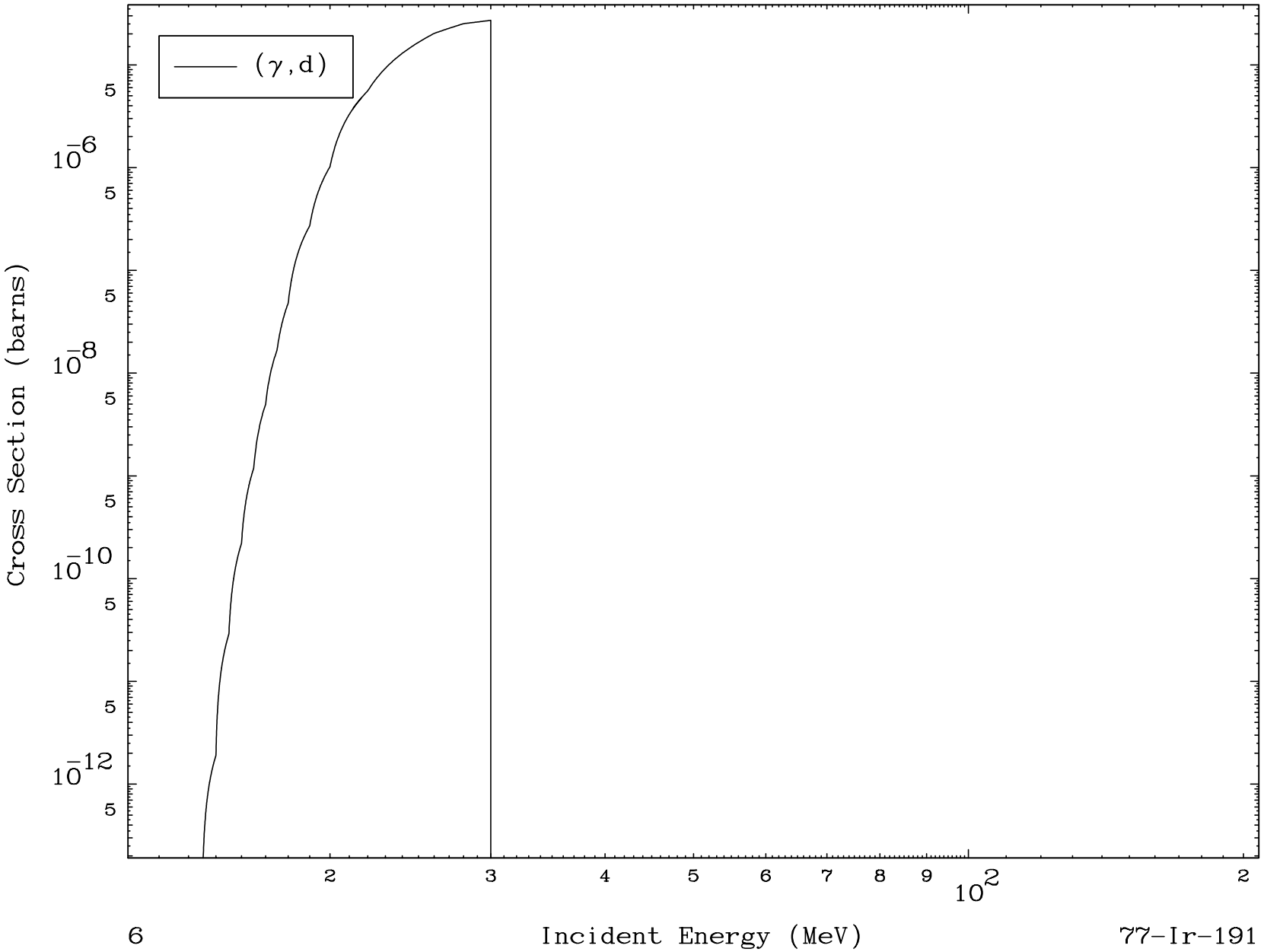

MAT 7725
Photon Major
77-Ir-191
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-191

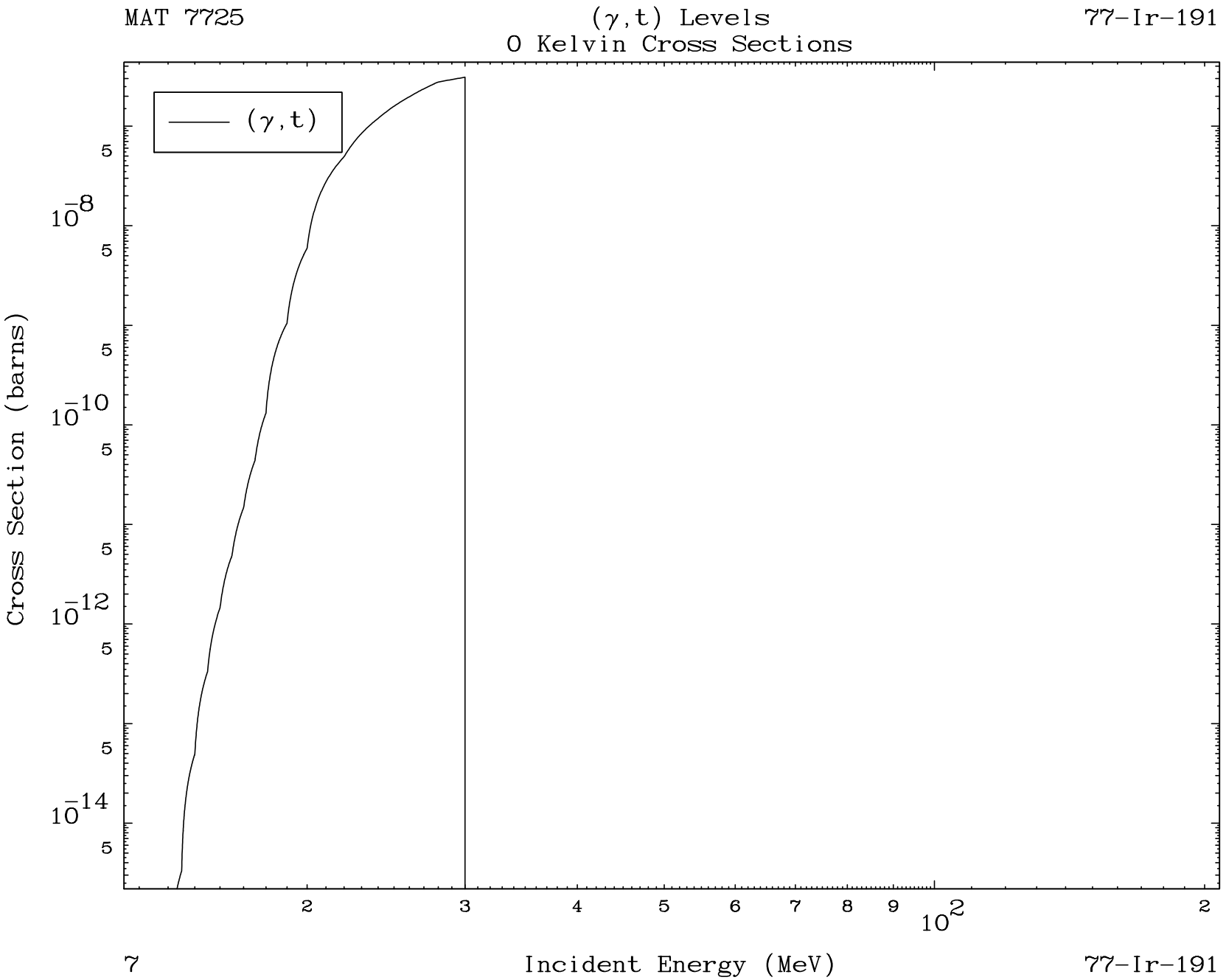

MAT 7725
Photon Neutron Production
0 Kelvin Cross Sections
77-Ir-191
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
2
77-Ir-191

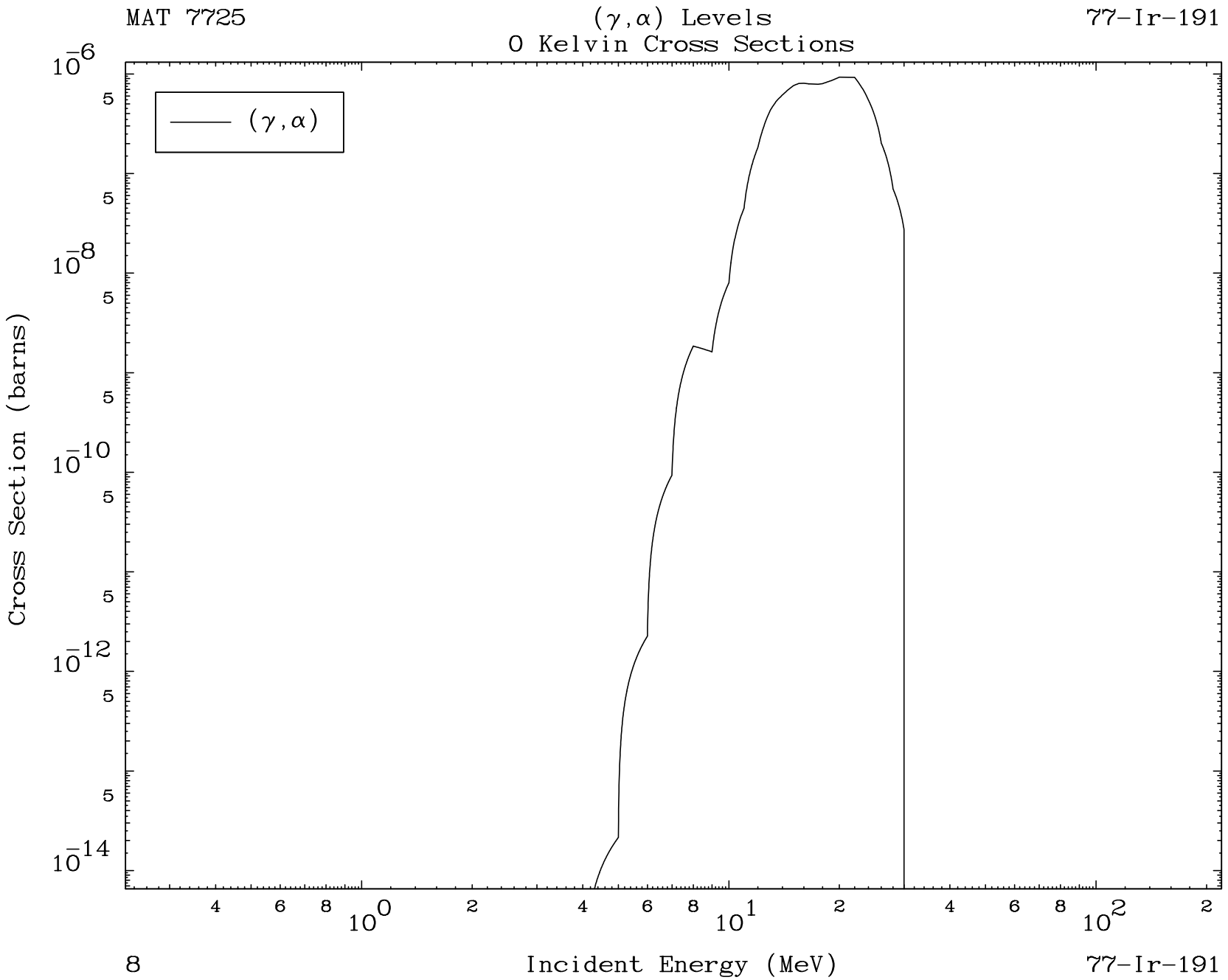

MAT 7725
Photon Charged Particle
0 Kelvin Cross Sections
77-Ir-191
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-191

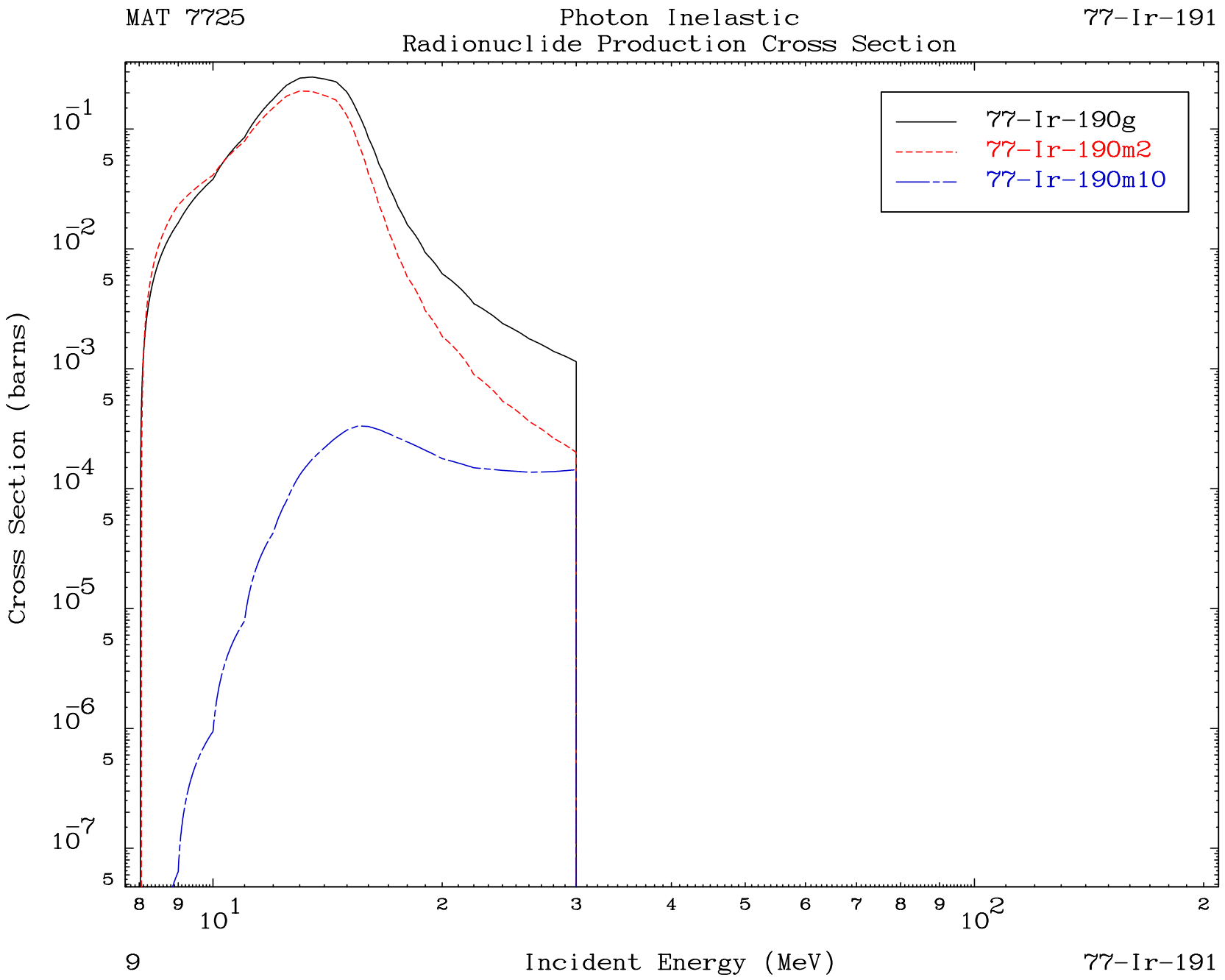

MAT 7725
(γ,n') Level
77-Ir-191
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-191

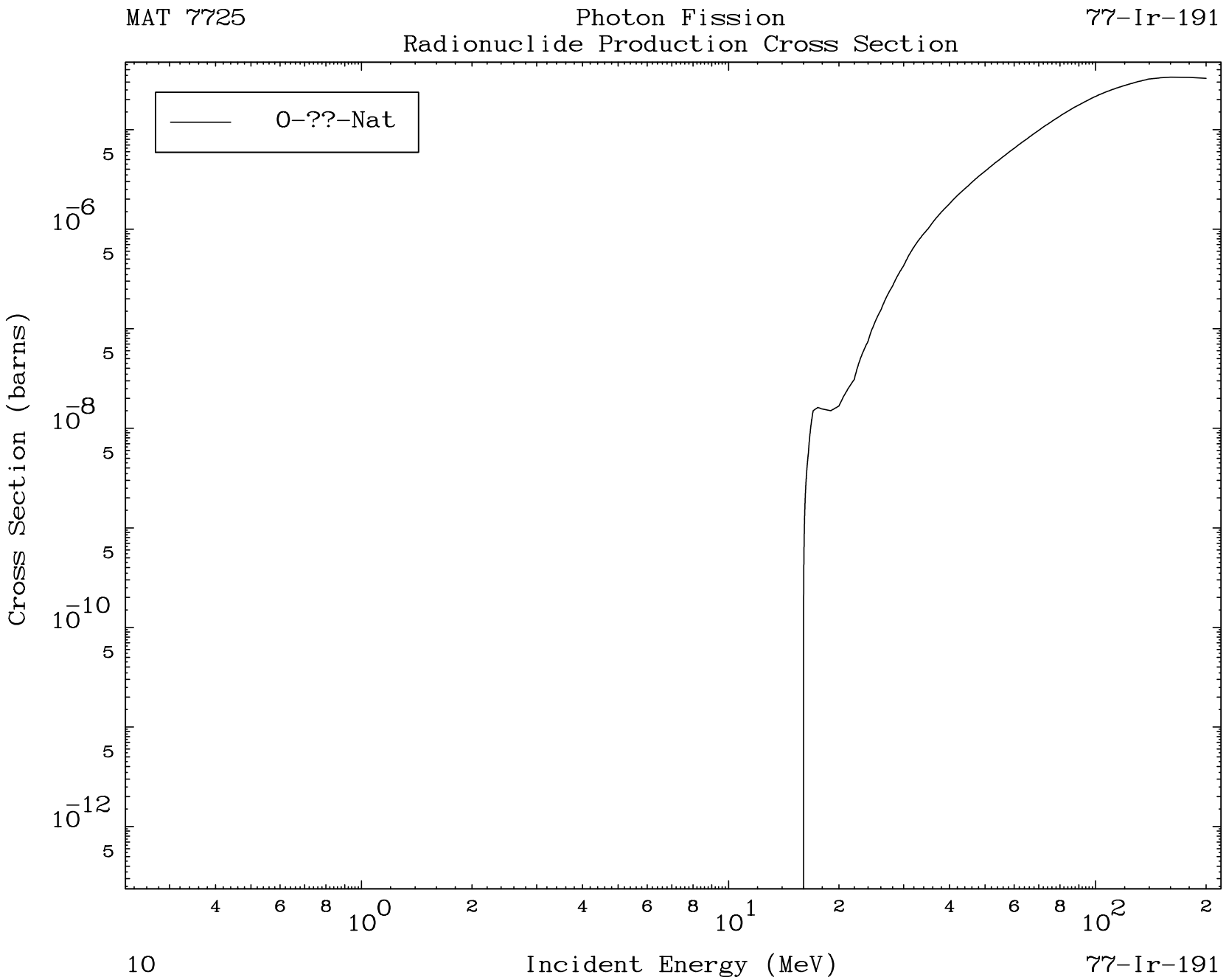

MAT 7725
(γ,p) Levels
77-Ir-191
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
77-Ir-191

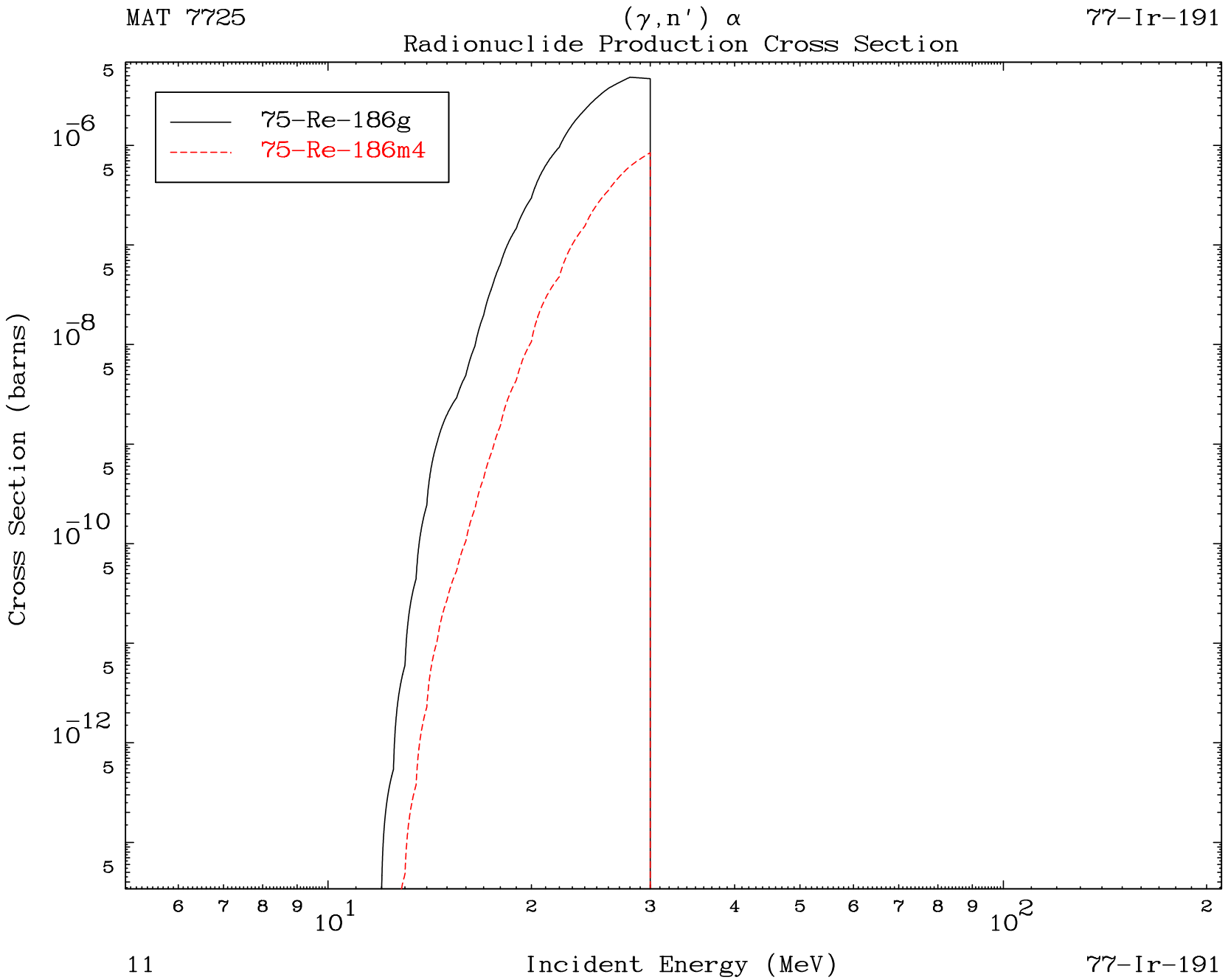

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

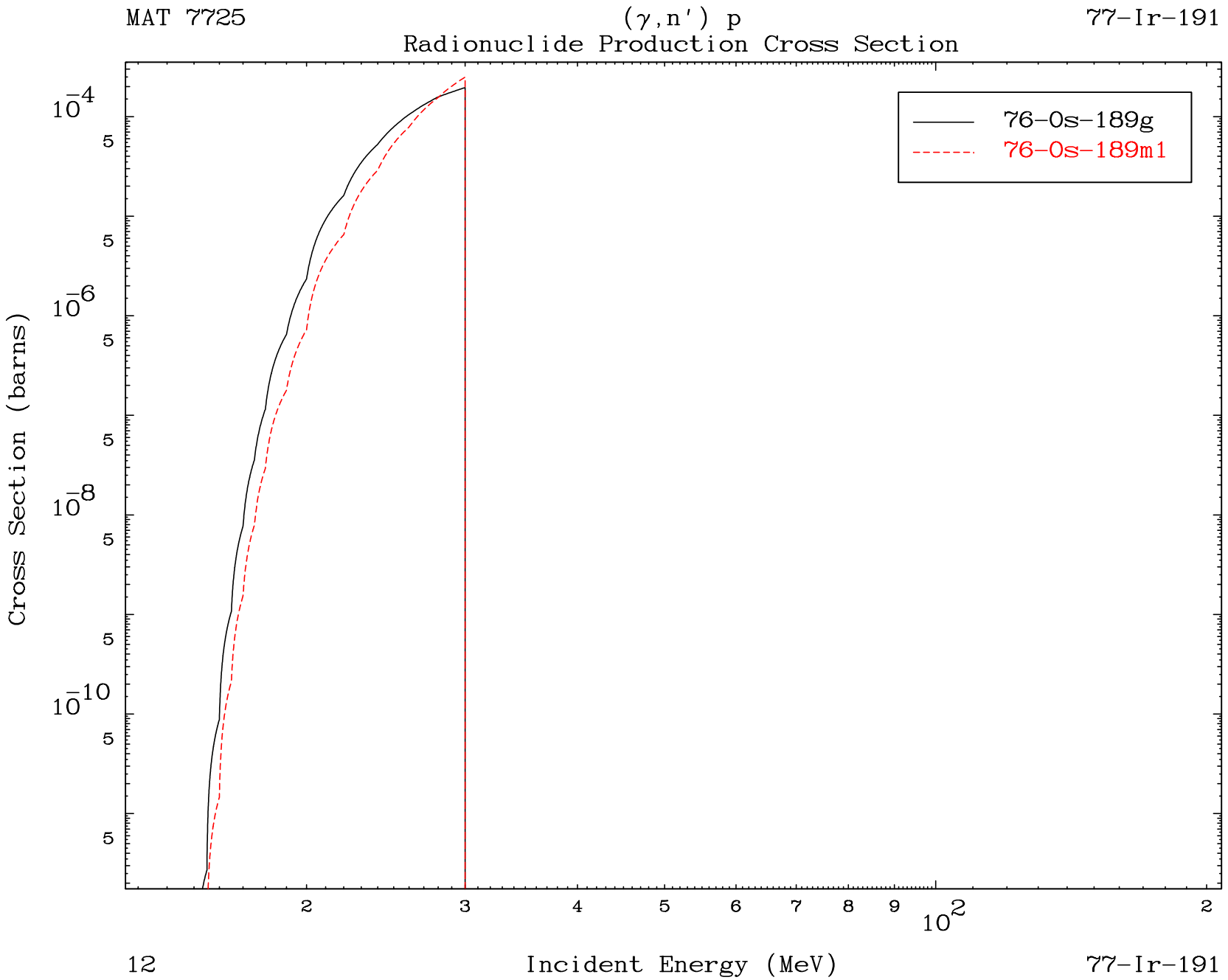

MAT 7725
(γ,t) Levels
77-Ir-191
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
77-Ir-191

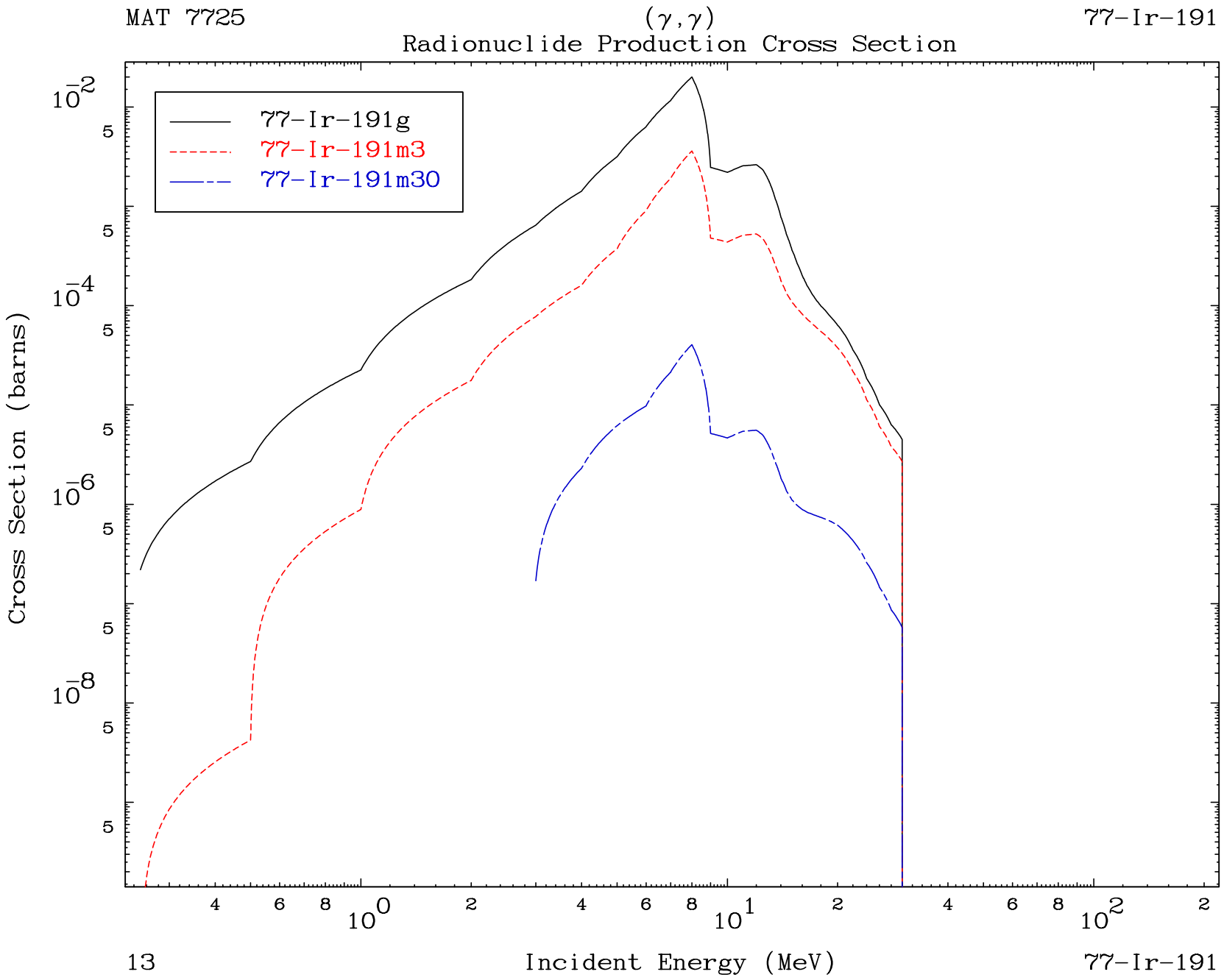

MAT 7725
(γ,α) Levels
77-Ir-191
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
8
77-Ir-191

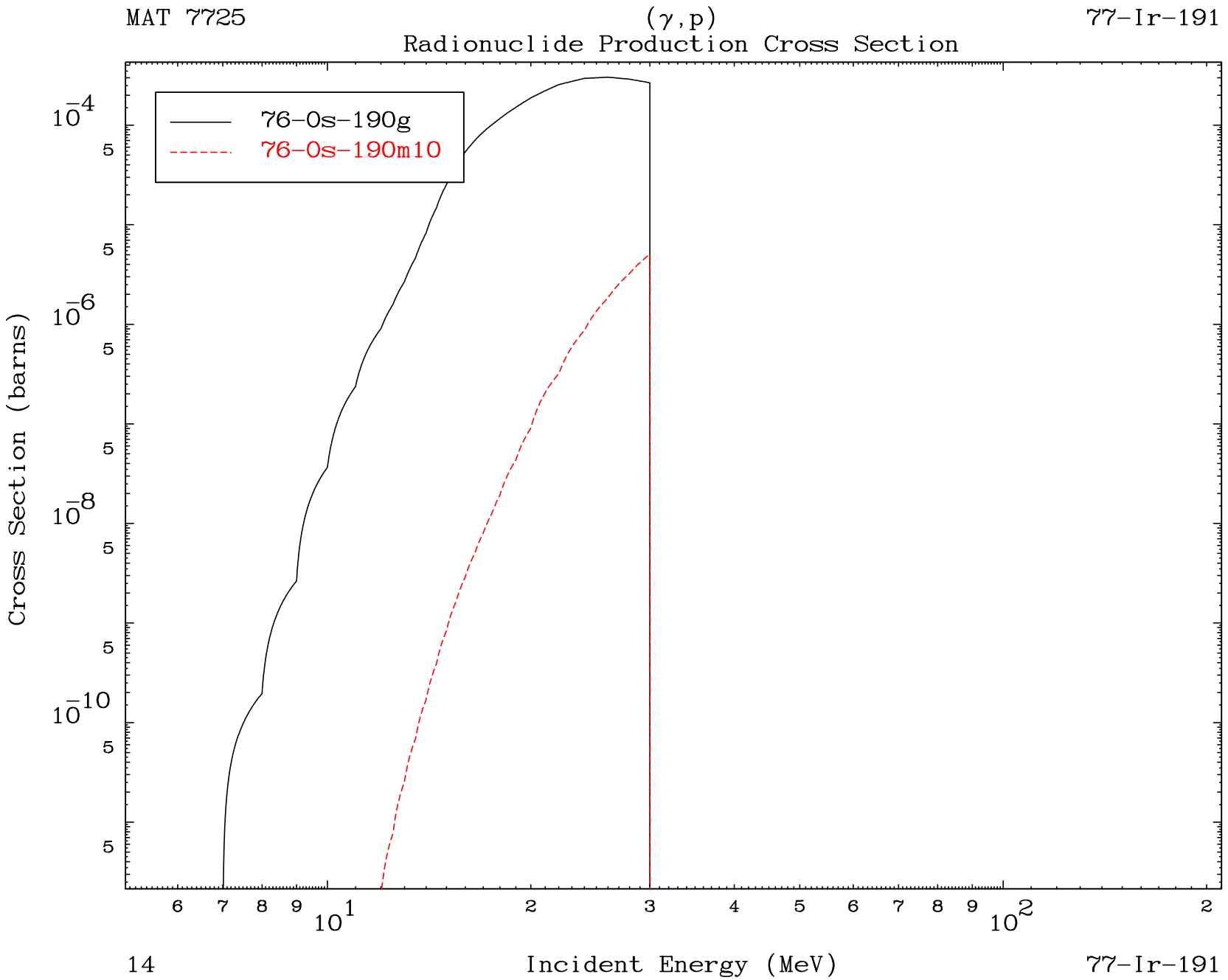

MAT 7725
Photon Inelastic
77-Ir-191
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
77-Ir-190m10
Cross Section (barns)
Incident Energy (MeV)
77-Ir-191
9

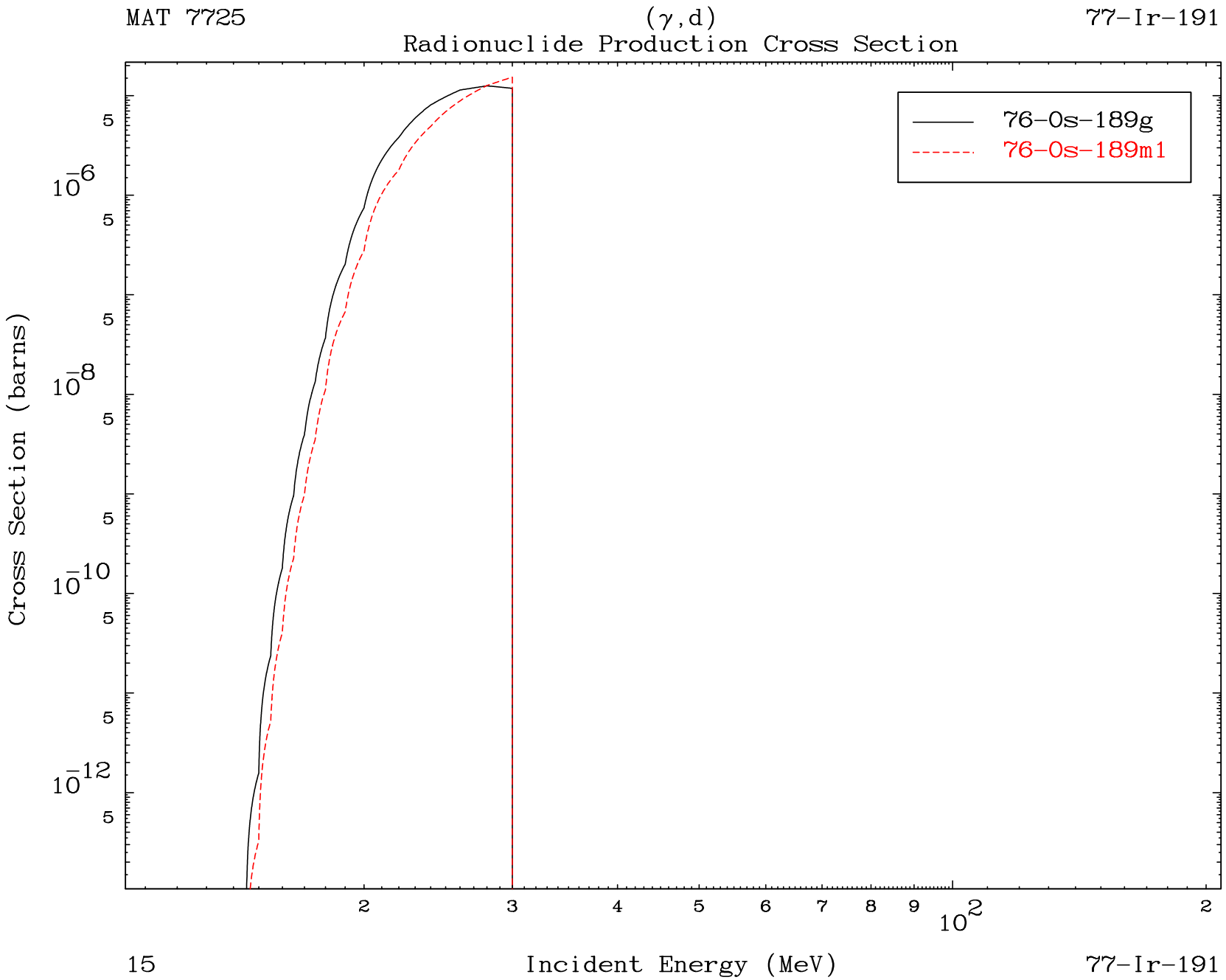

MAT 7725
Photon Fission
77-Ir-191
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
77-Ir-191


MAT 7725
(γ,n') α
77-Ir-191
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
11
77-Ir-191


MAT 7725
(γ,n') p
77-Ir-191
Radionuclide Production Cross Section
76-0s-189g
76-0s-189m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
12
77-Ir-191


MAT 7725
(γ,γ)
77-Ir-191
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
77-Ir-191m30
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-191


MAT 7725
(γ,p)
77-Ir-191
Radionuclide Production Cross Section
76-Os-190g
76-Os-190m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
14
77-Ir-191


MAT 7725
(γ,d)
77-Ir-191
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
77-Ir-191