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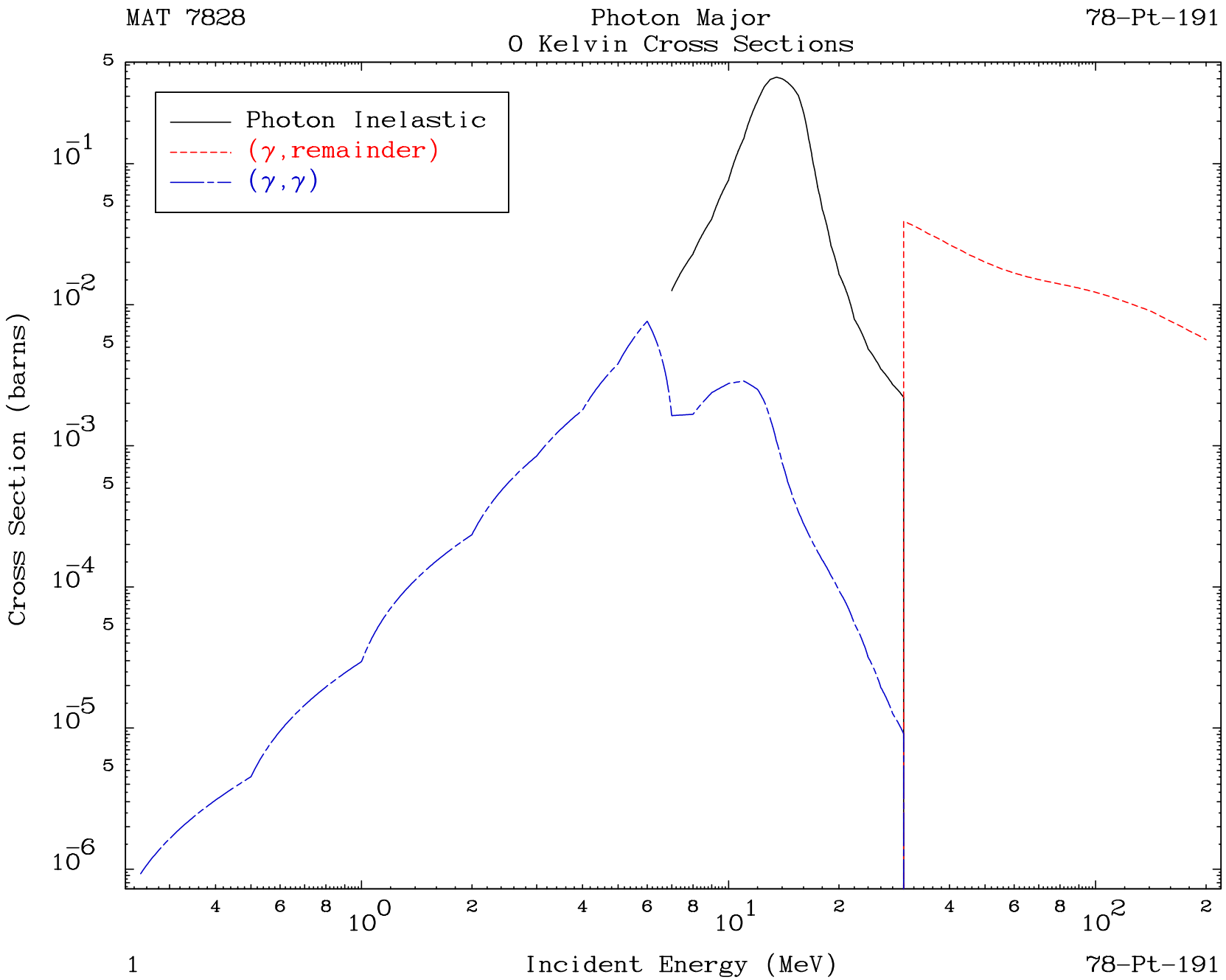
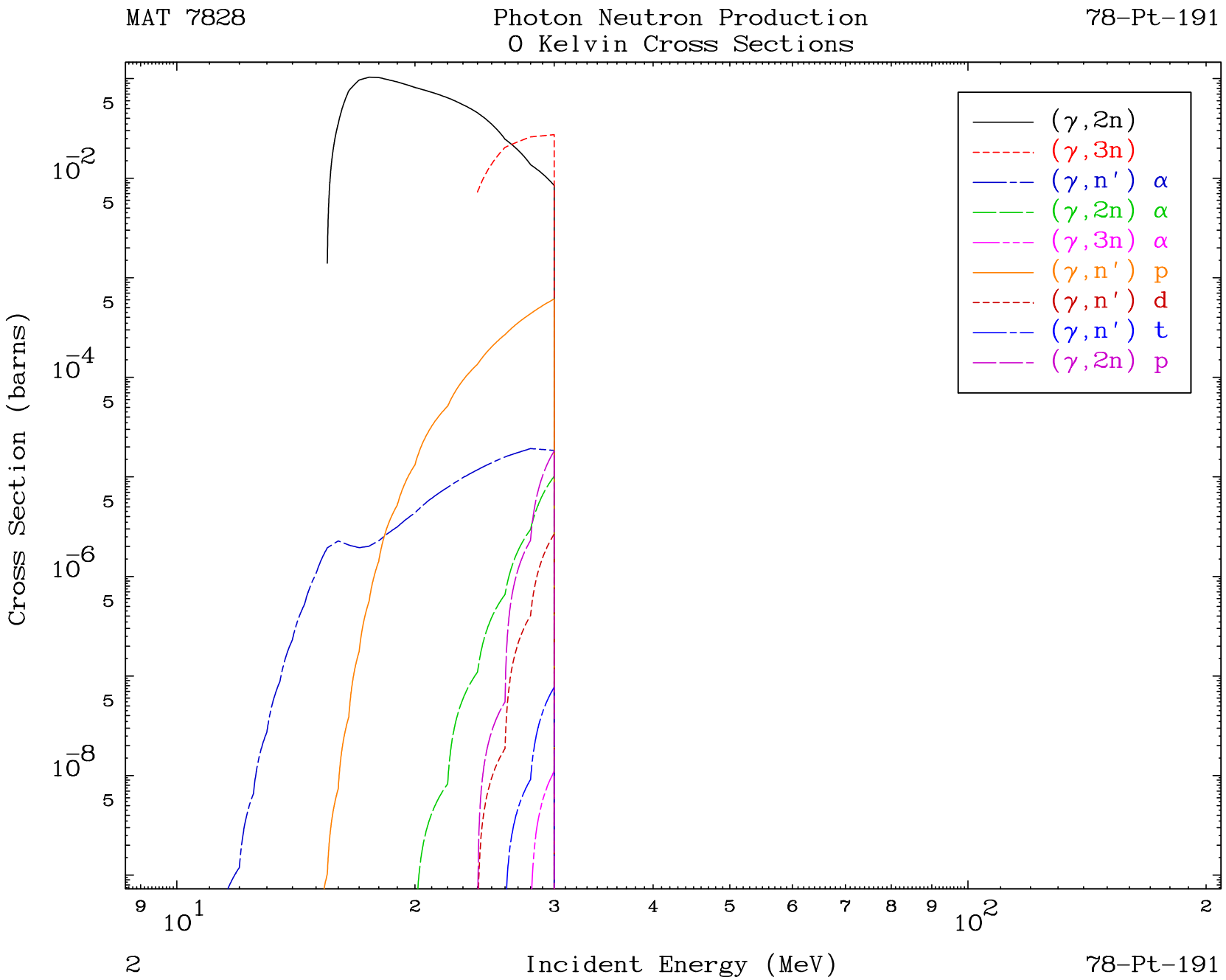
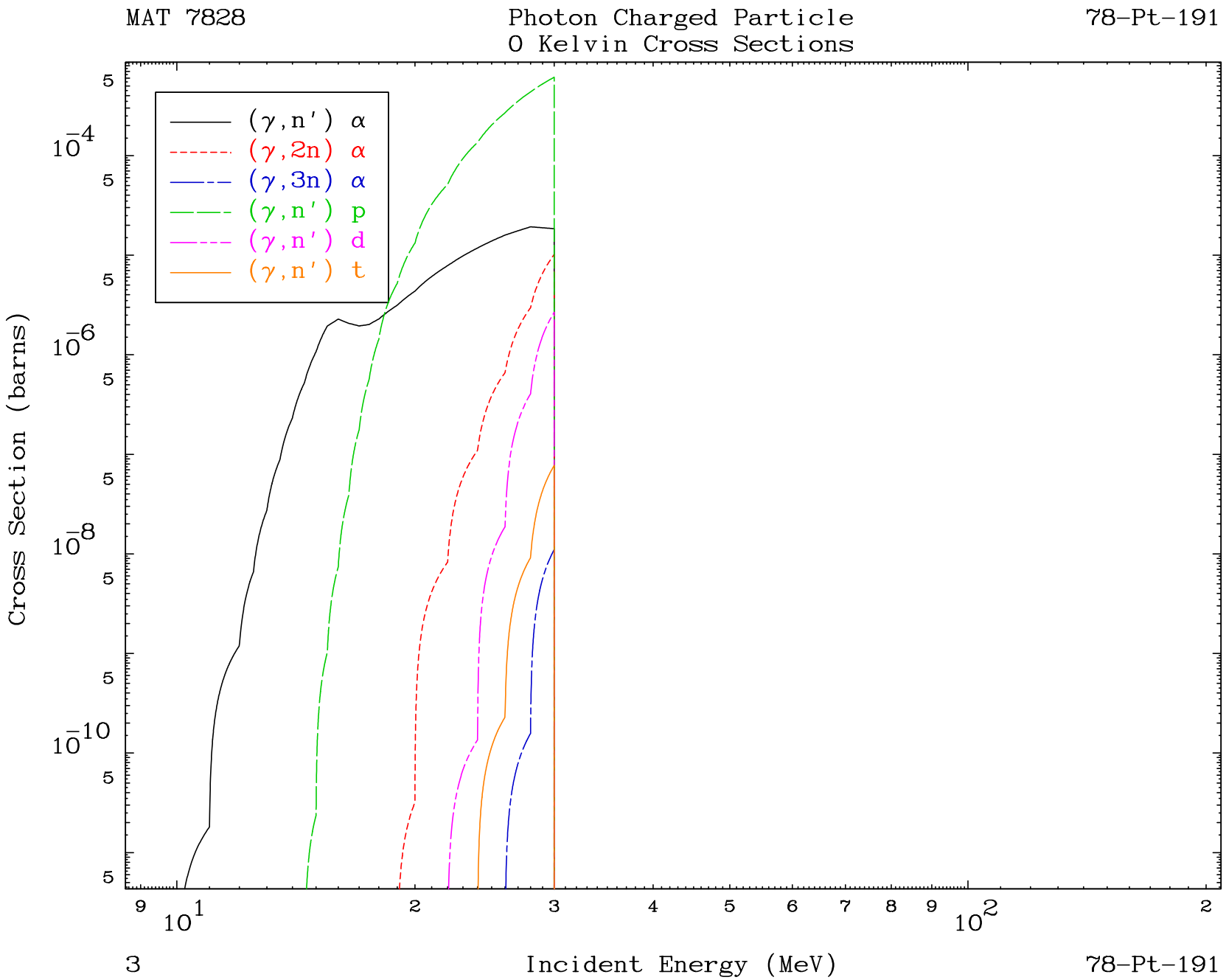
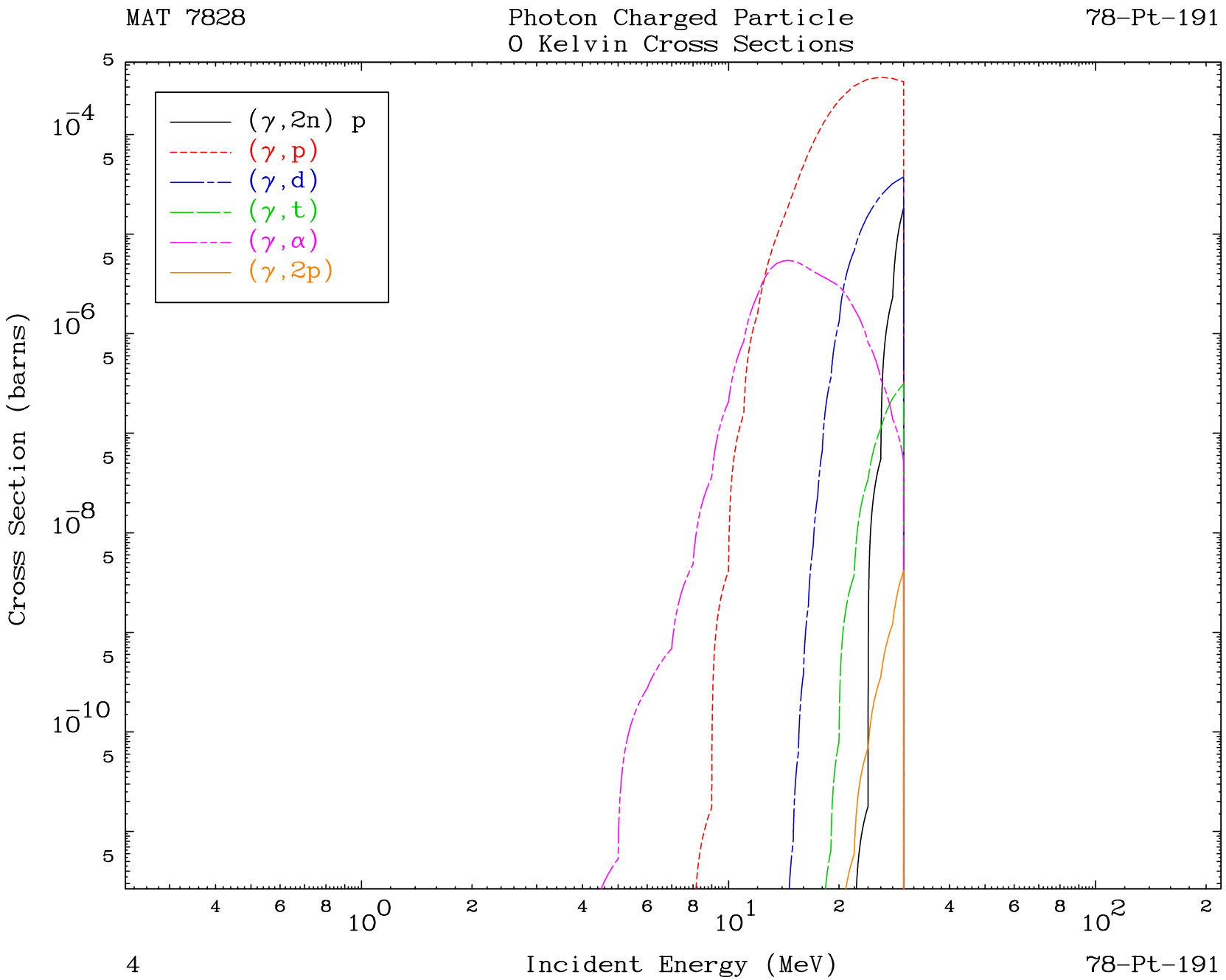
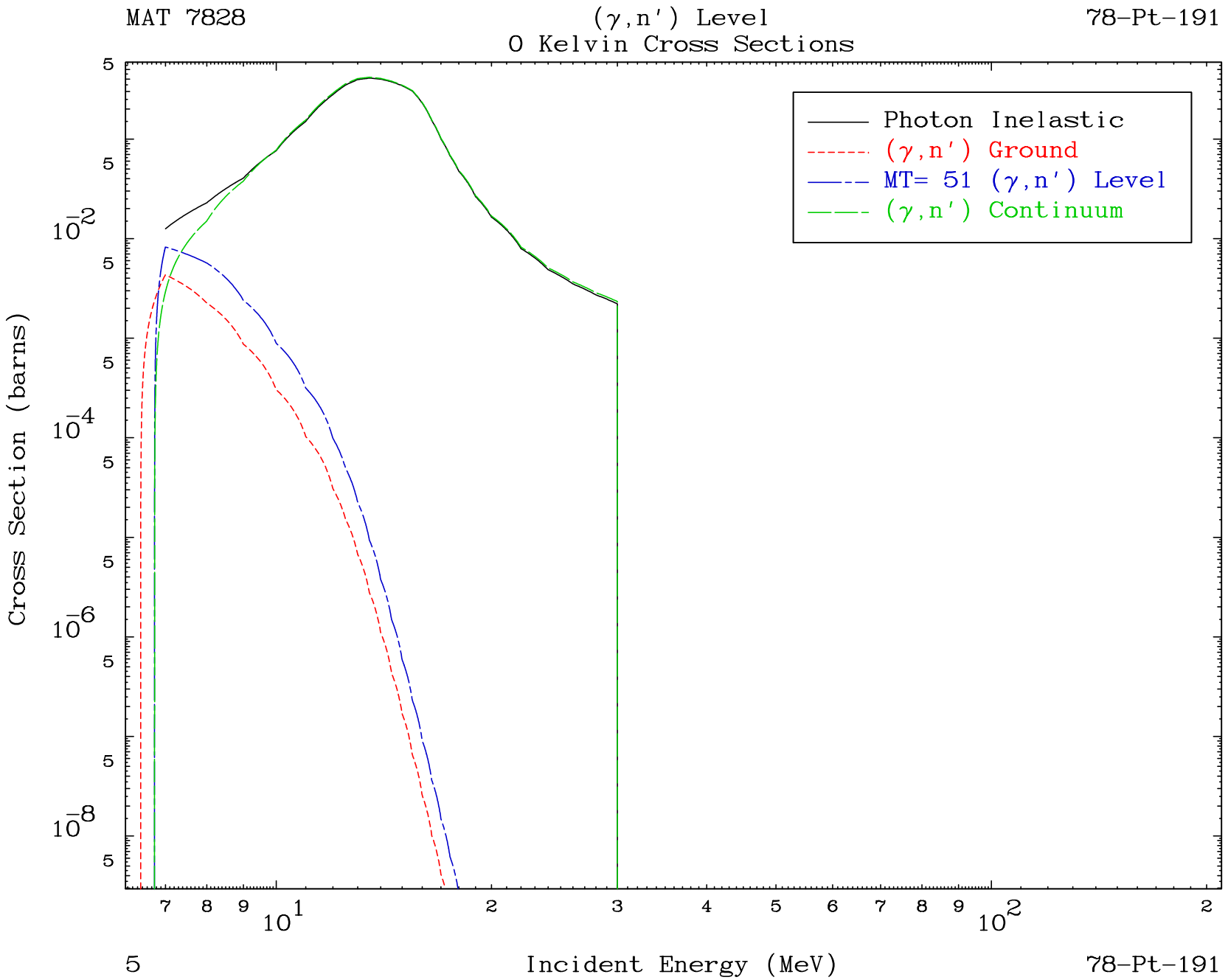
Press Mouse Button to Start

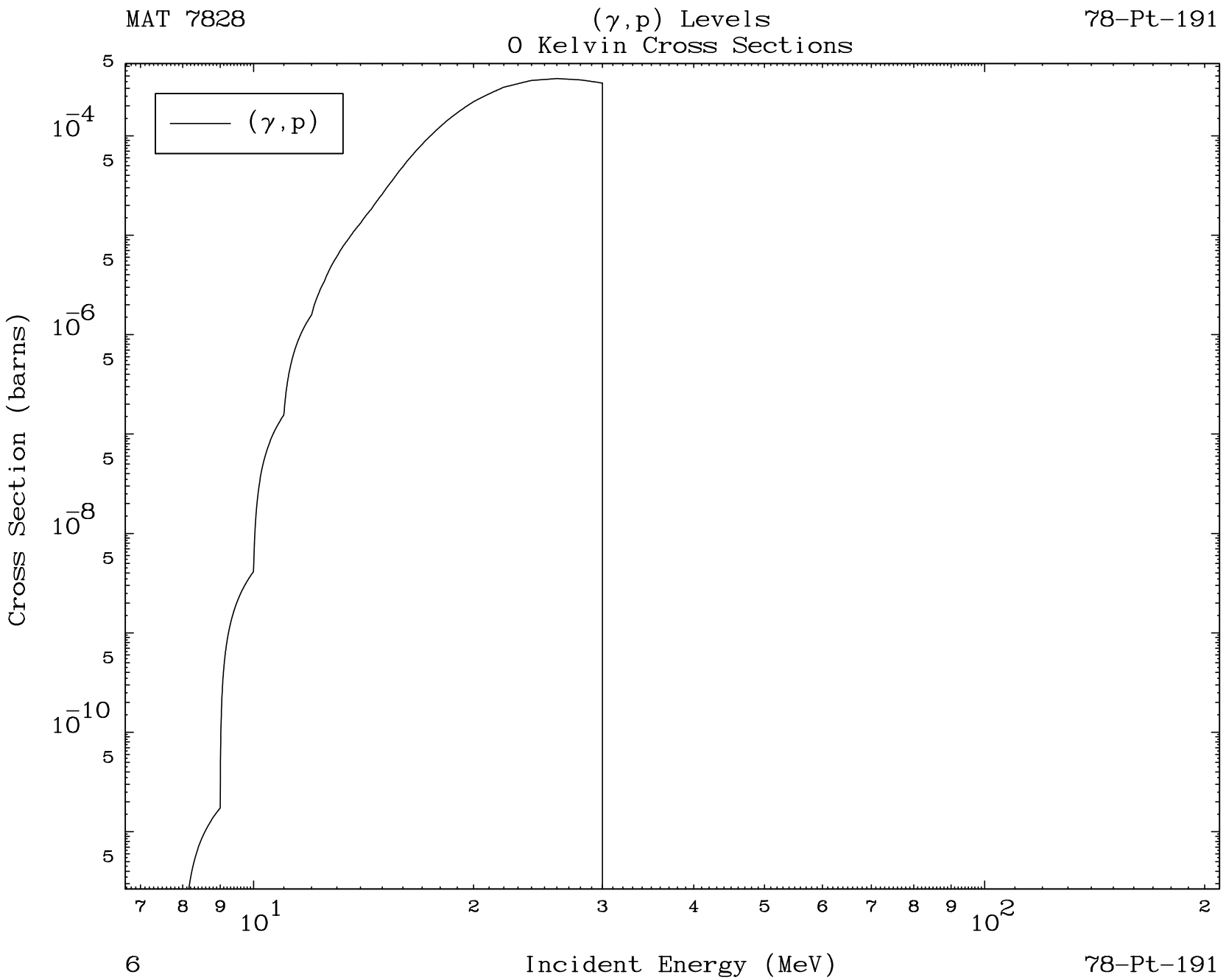

MAT 7828
Photon Major
78-Pt-191
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-191

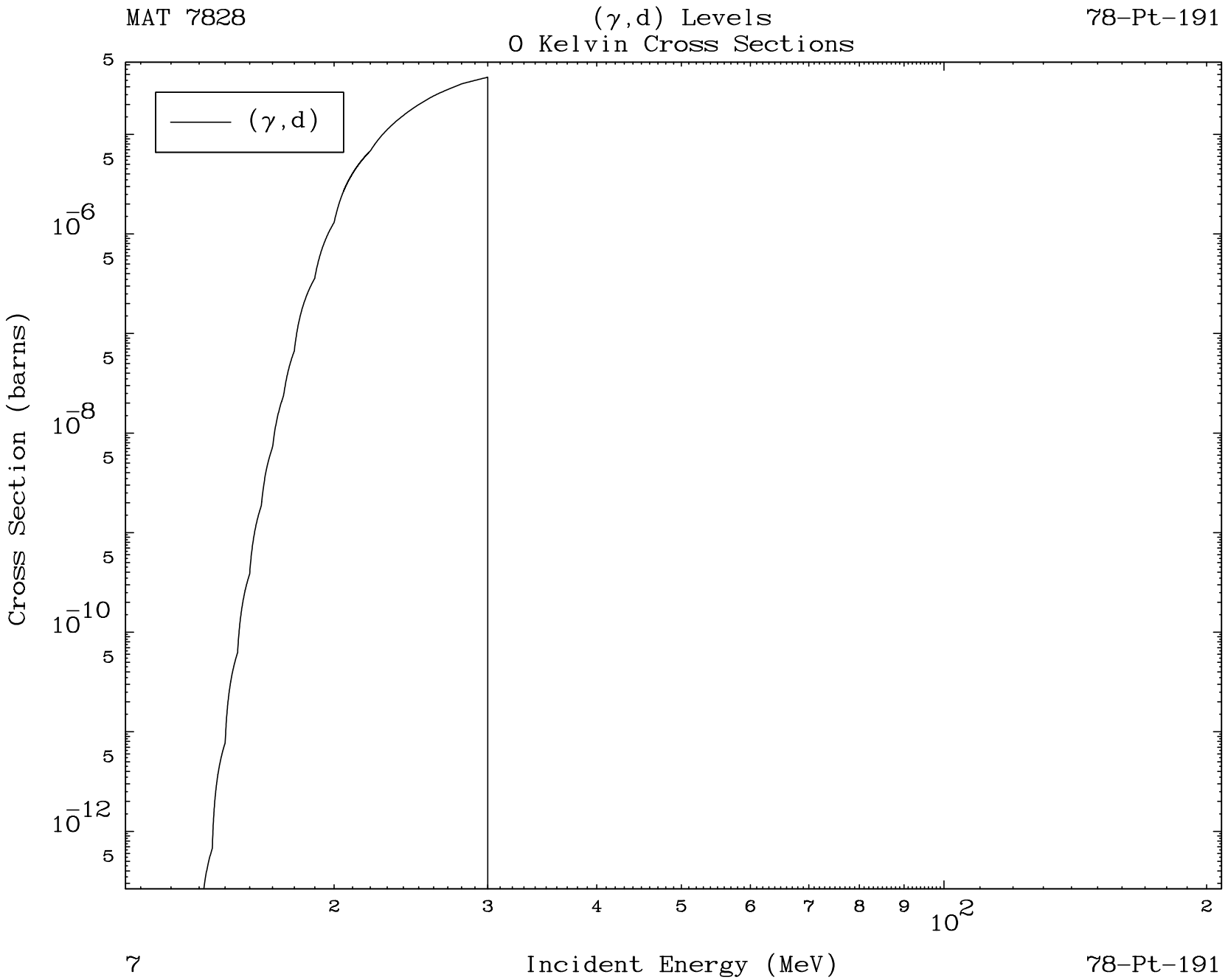

MAT 7828
Photon Neutron Production
0 Kelvin Cross Sections
78-Pt-191
Cross Section (barns)
Incident Energy (MeV)
78-Pt-191
2
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

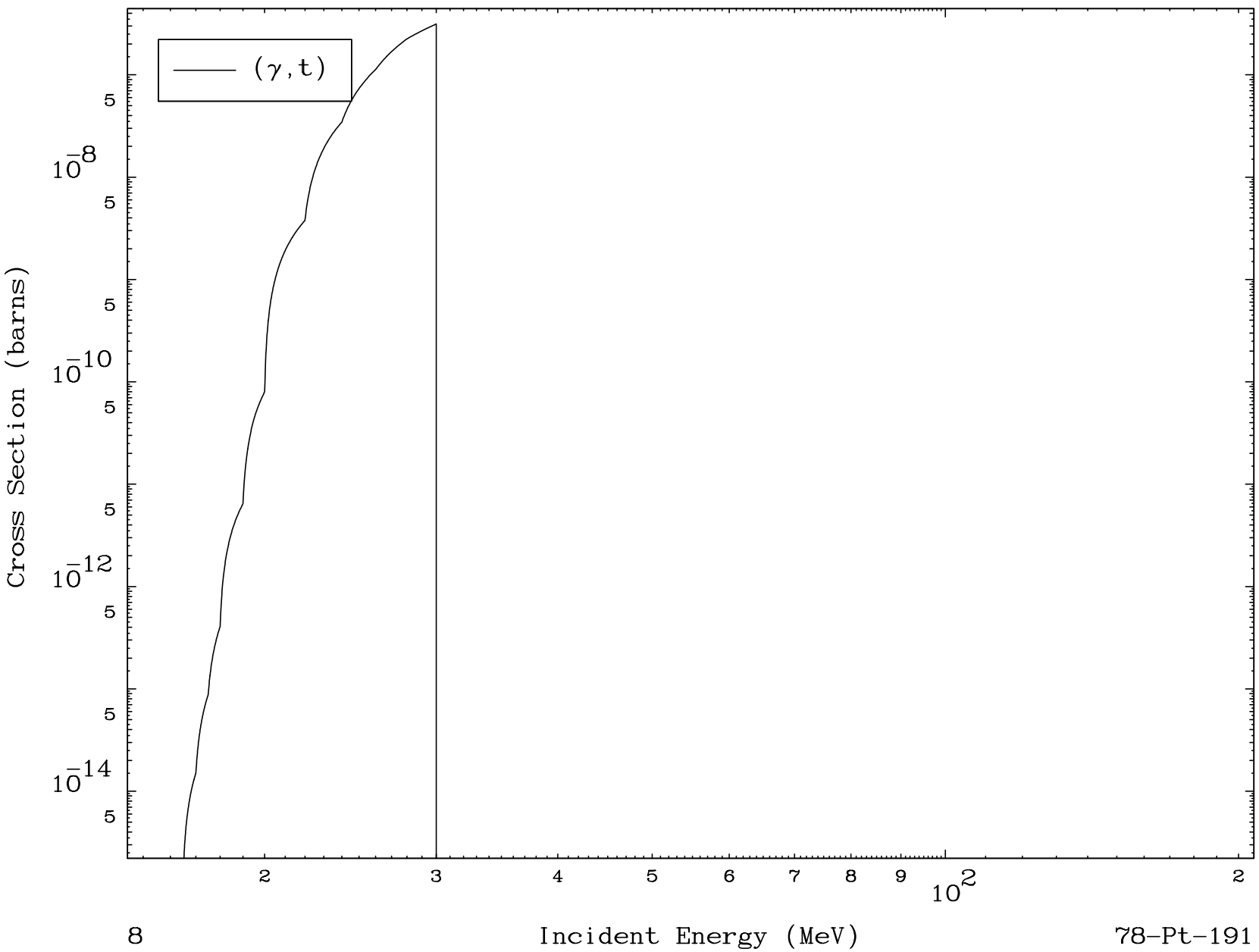

MAT 7828
Photon Charged Particle
0 Kelvin Cross Sections
78-Pt-191
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
3
78-Pt-191

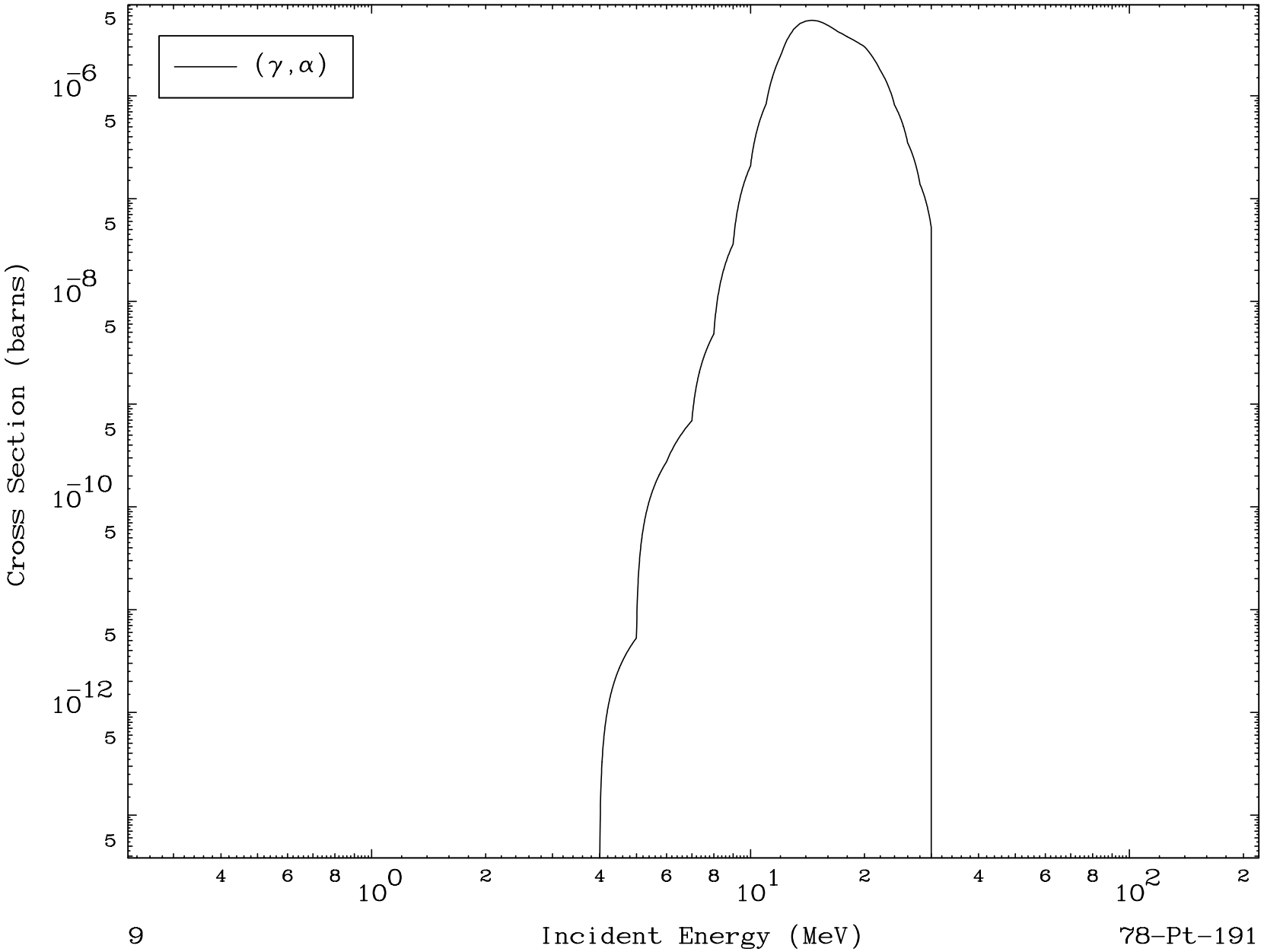

MAT 7828
Photon Charged Particle
0 Kelvin Cross Sections
78-Pt-191
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,2p)
Cross Section (barns)
Incident Energy (MeV)
4
78-Pt-191

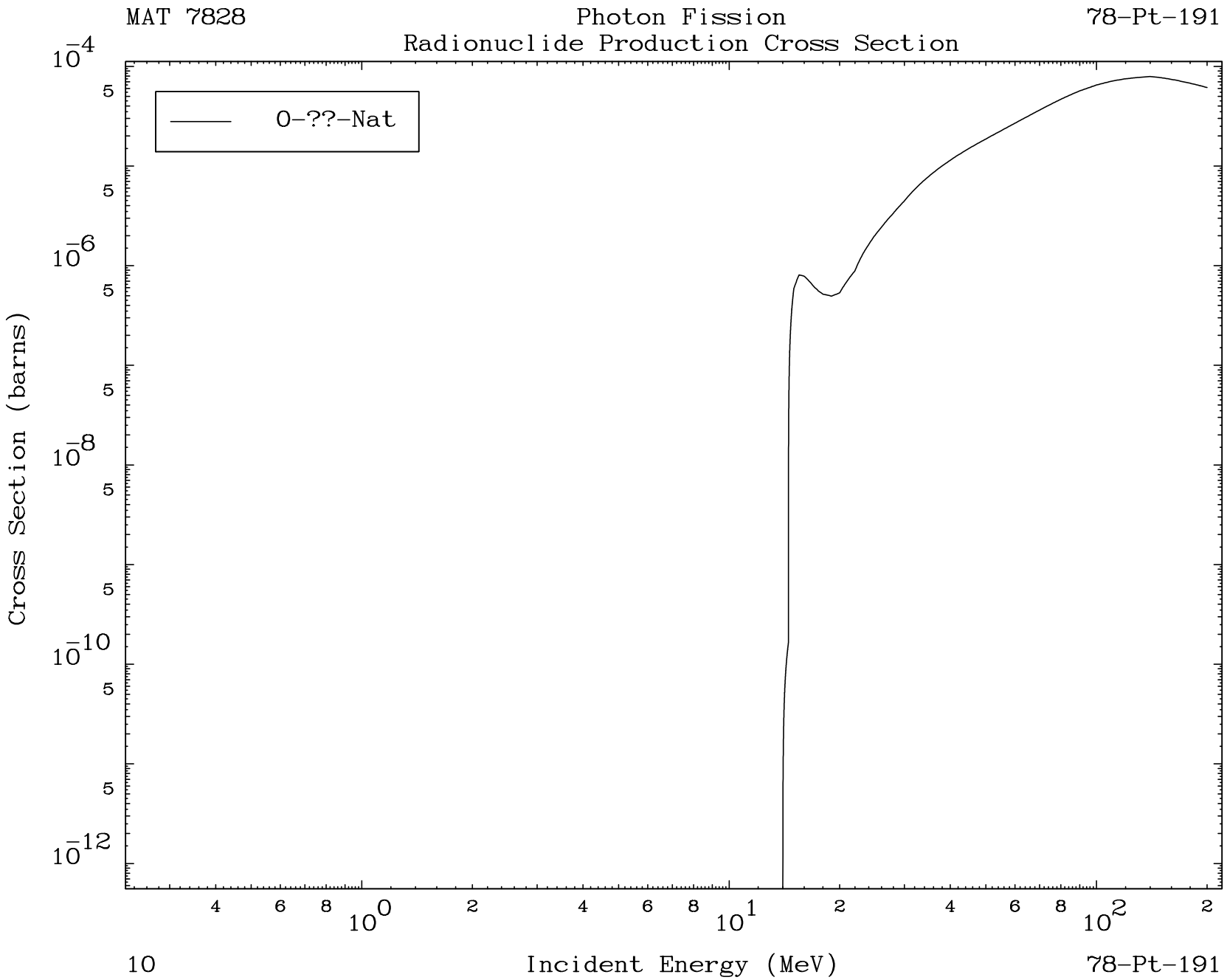

MAT 7828
(γ,n') Level
78-Pt-191
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
78-Pt-191

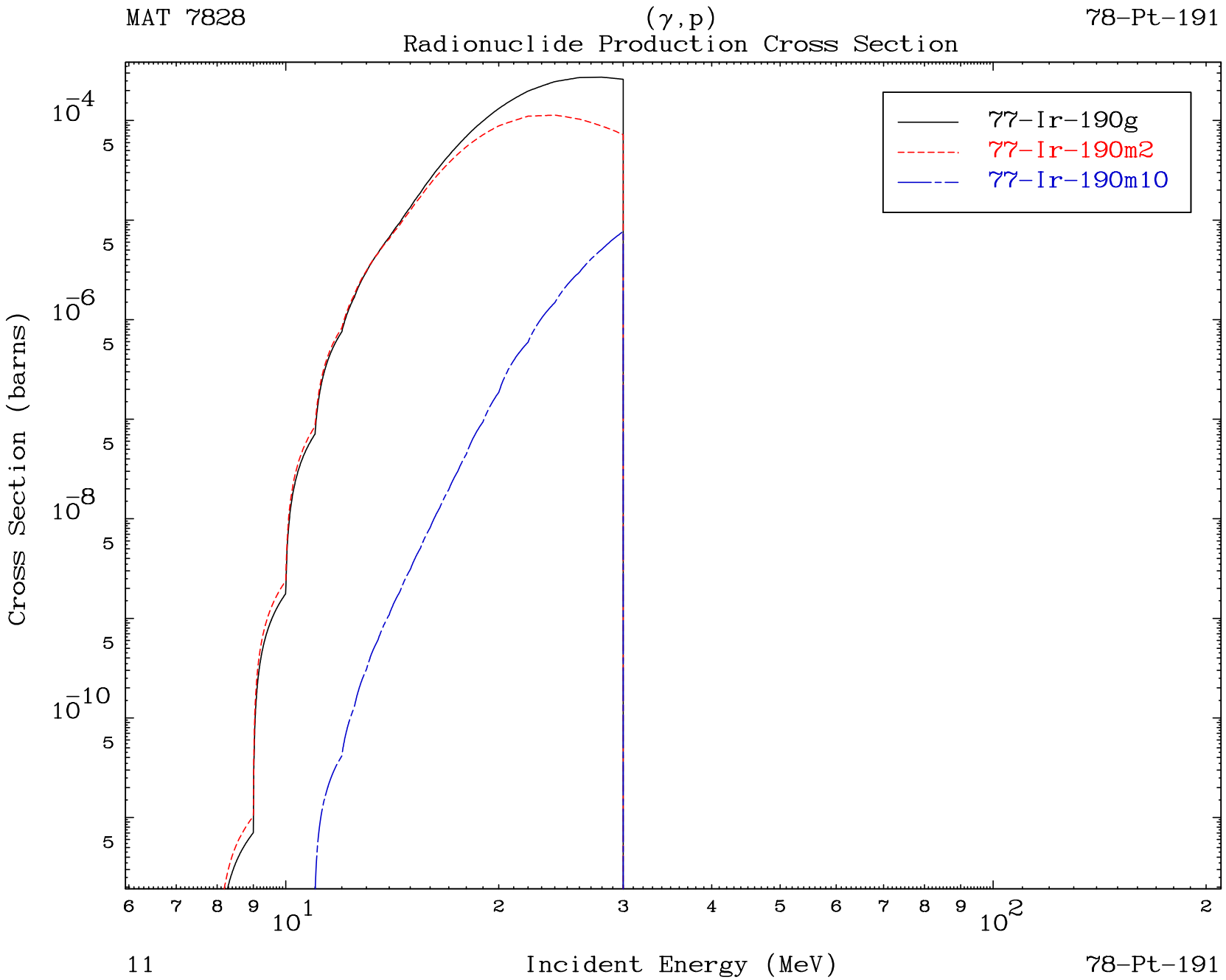

MAT 7828
(γ,p) Levels
78-Pt-191
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
78-Pt-191
6

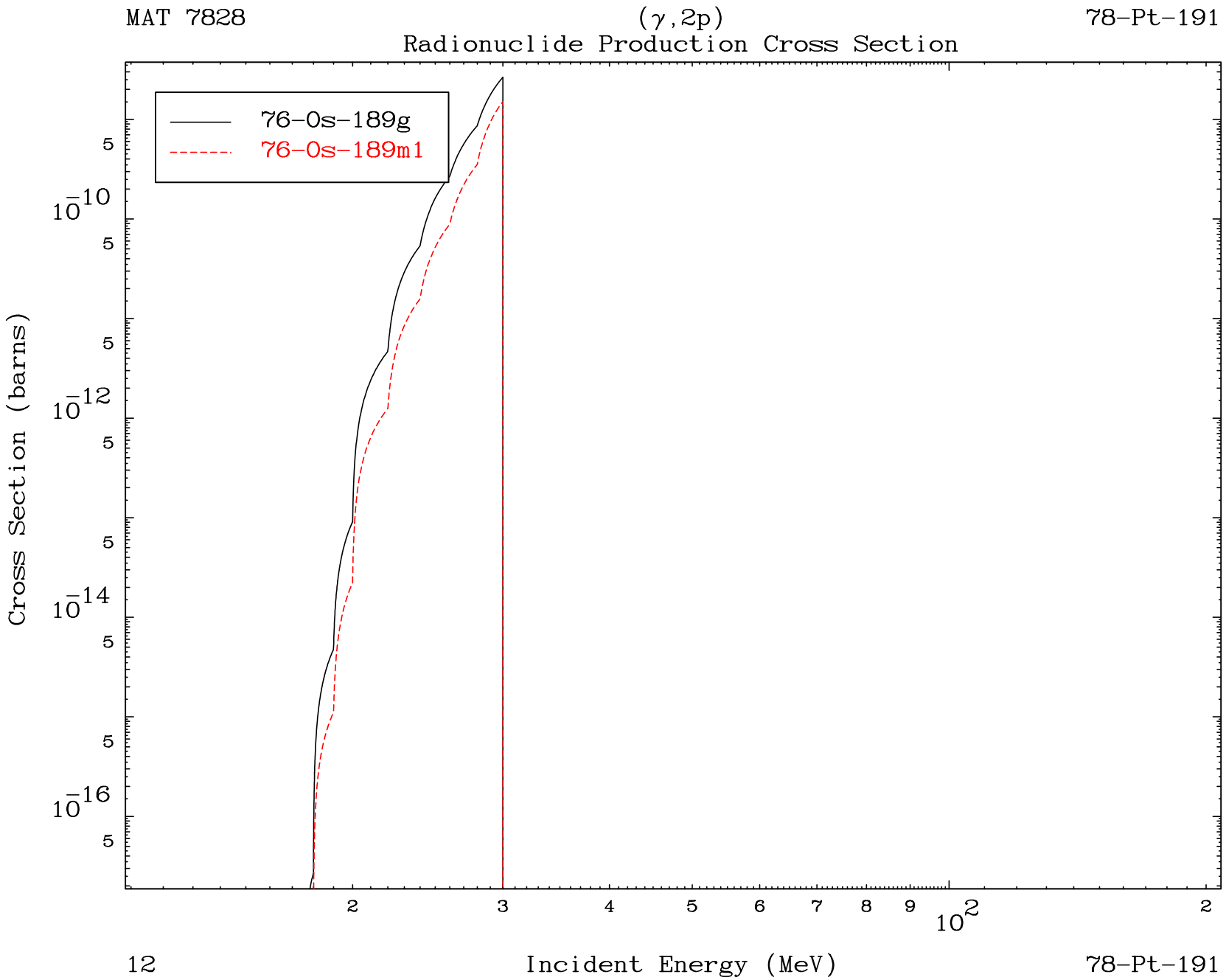

MAT 7828
(γ,d) Levels
78-Pt-191
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
78-Pt-191


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
Incident Energy (MeV)


0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)


MAT 7828
Photon Fission
78-Pt-191
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
78-Pt-191


MAT 7828
(γ,p)
78-Pt-191
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
77-Ir-190m10
Cross Section (barns)
Incident Energy (MeV)
11
78-Pt-191


MAT 7828
(γ,2p)
78-Pt-191
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
78-Pt-191