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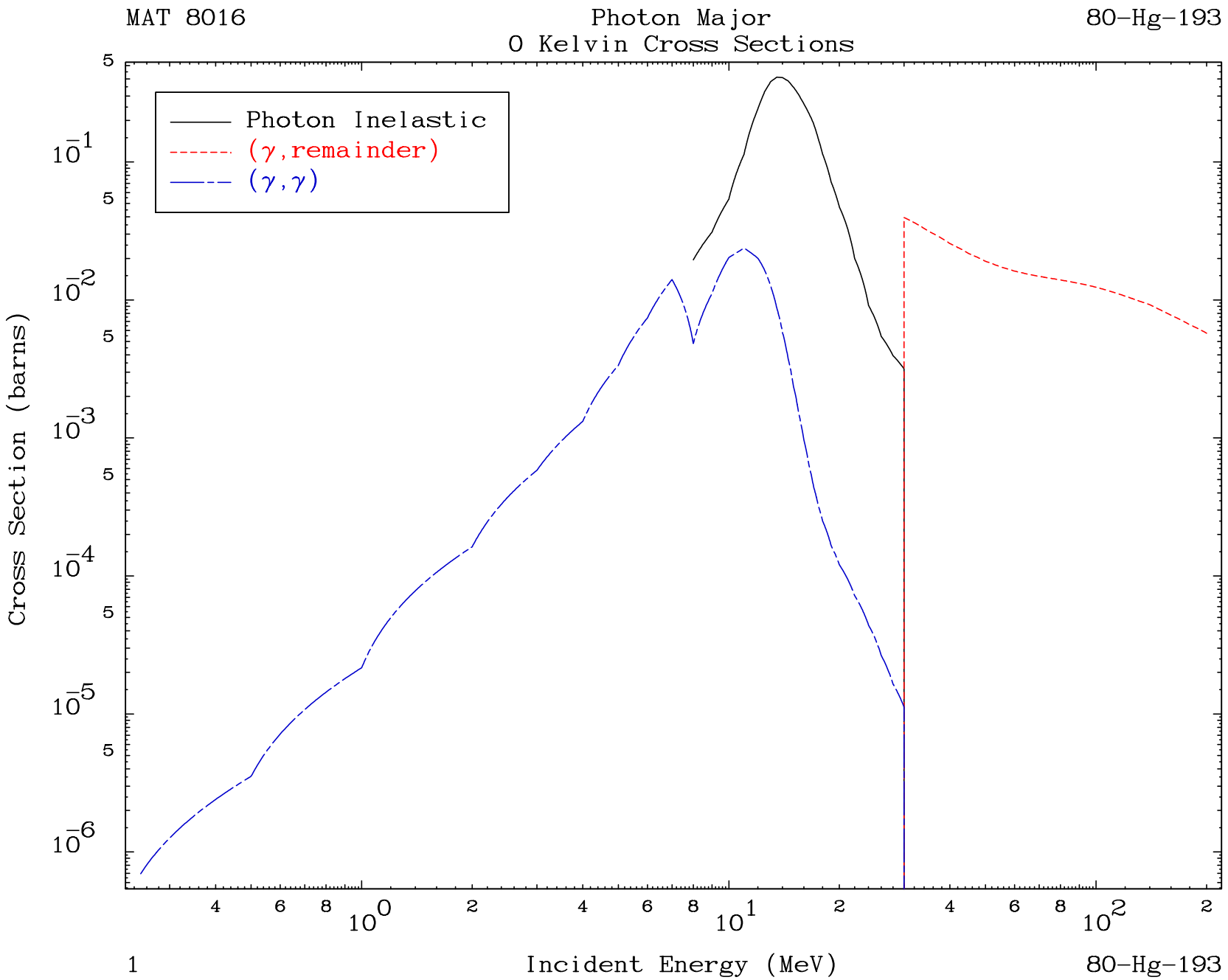
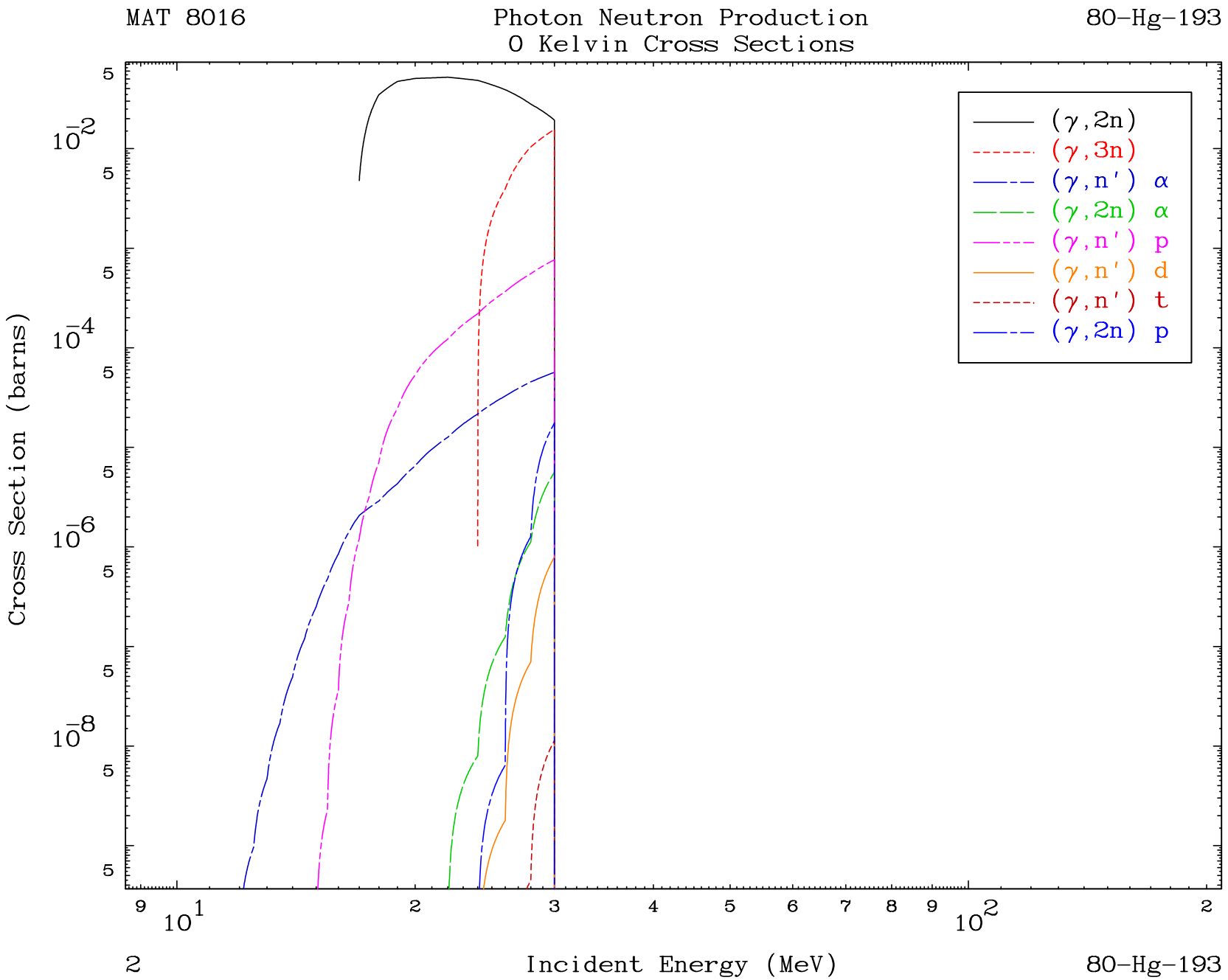
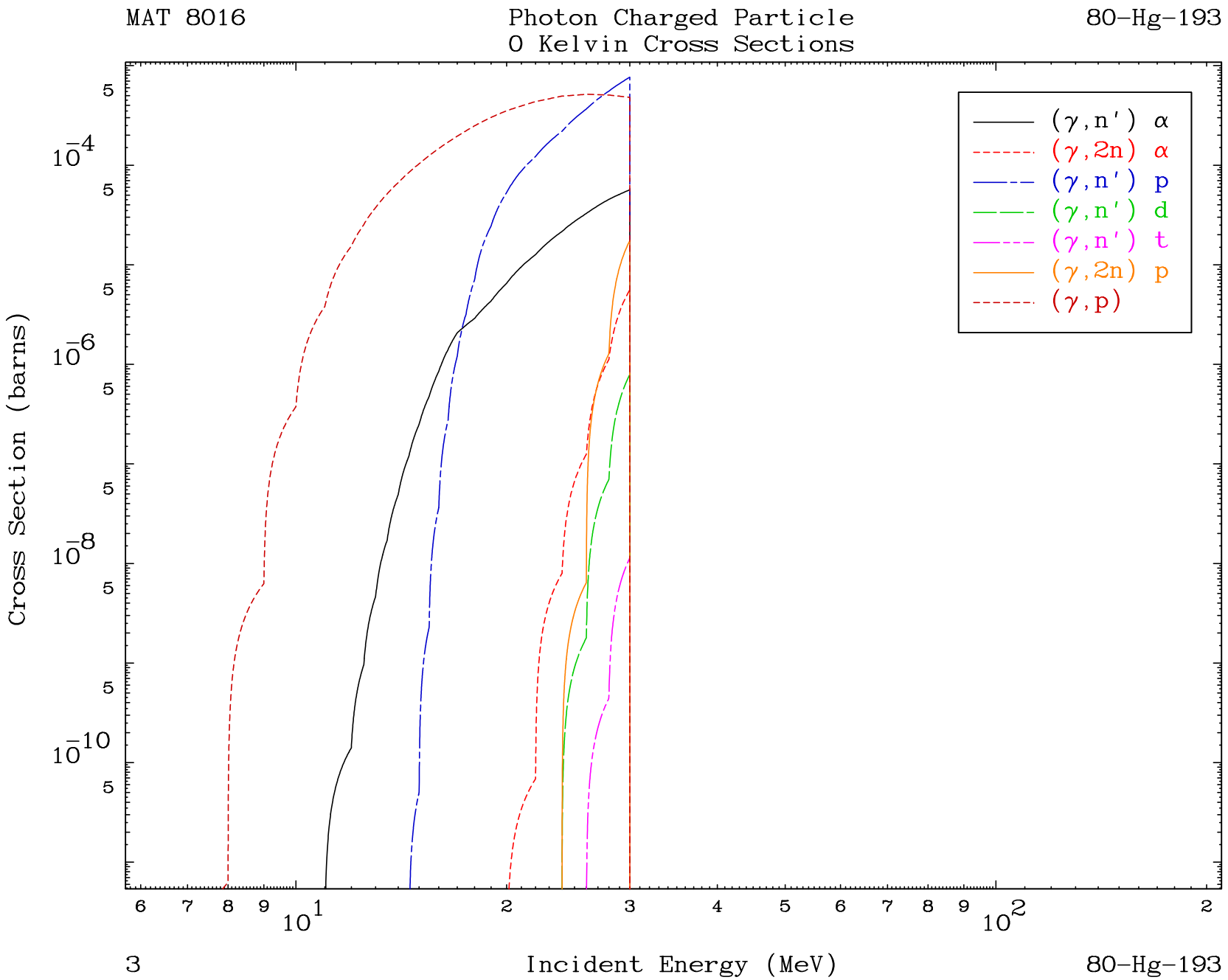
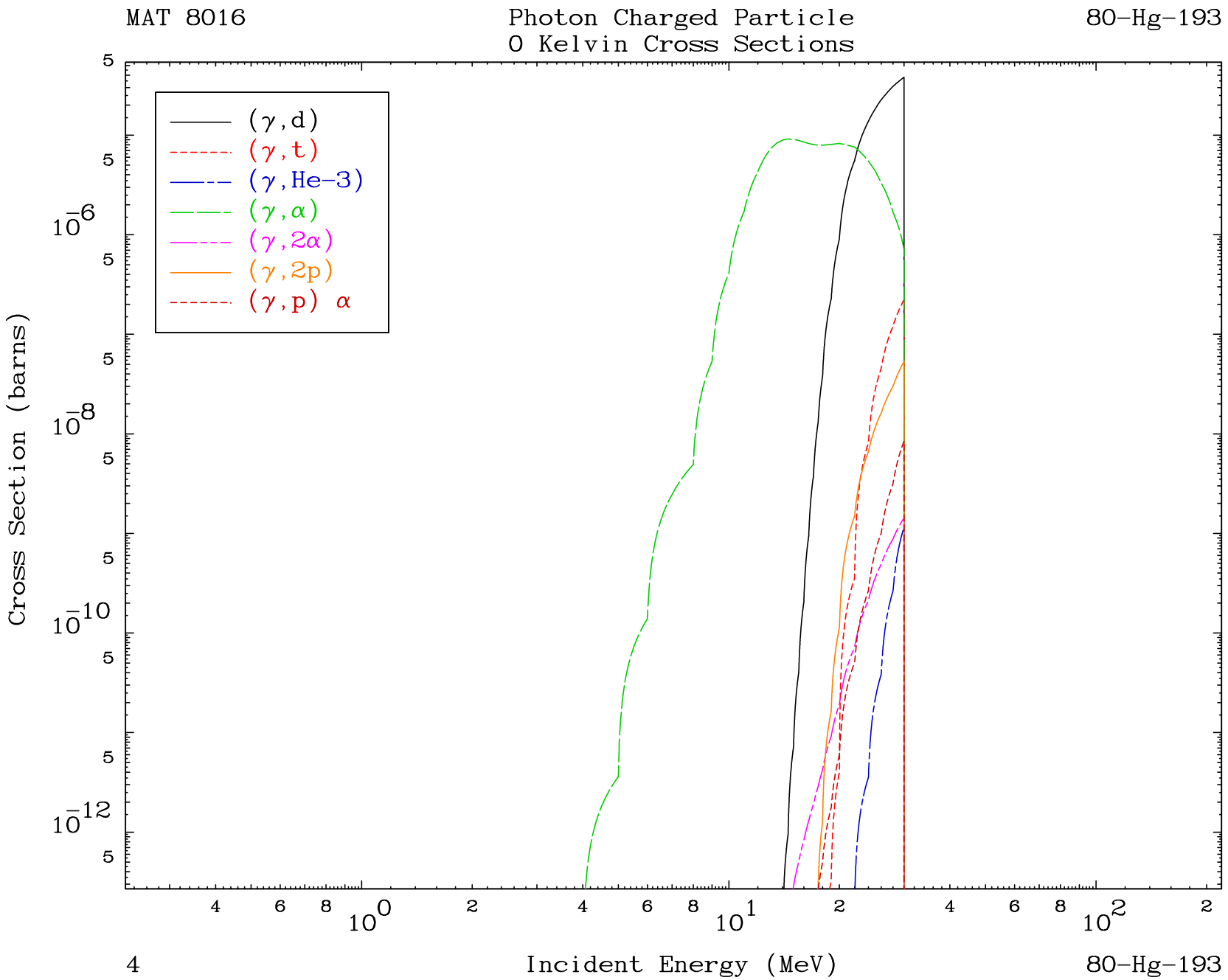
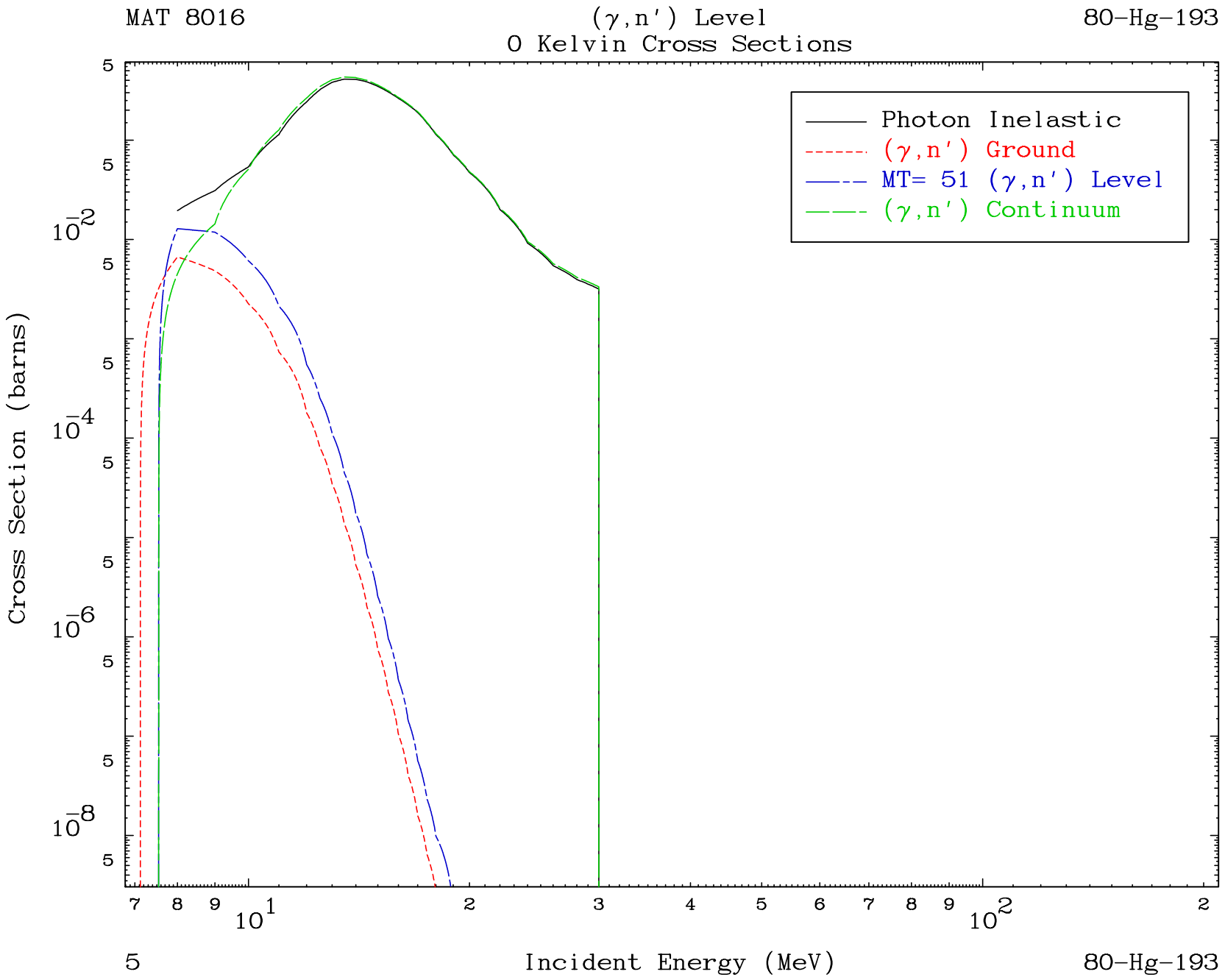
Press Mouse Button to Start

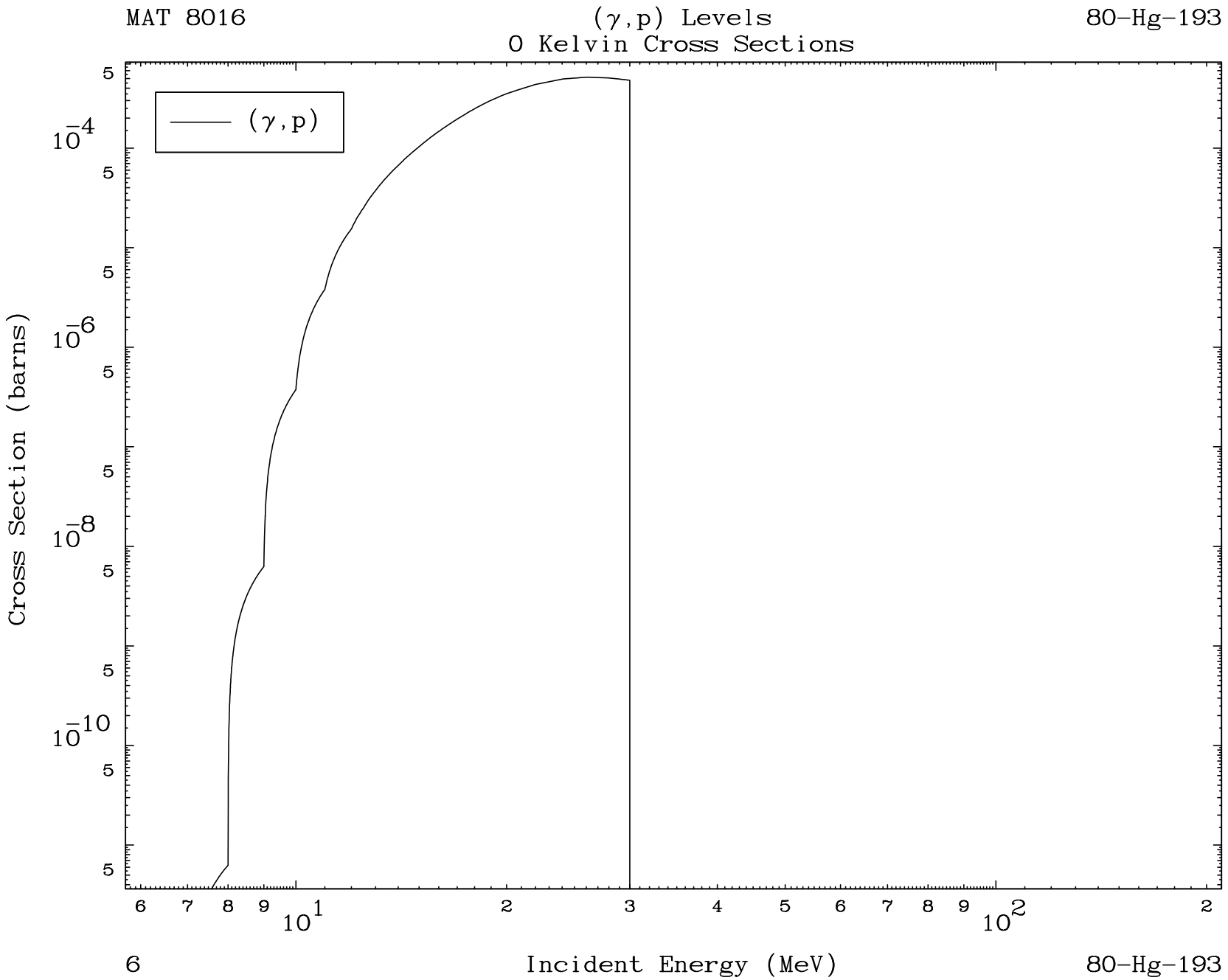

MAT 8016
Photon Major
80-Hg-193
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-193

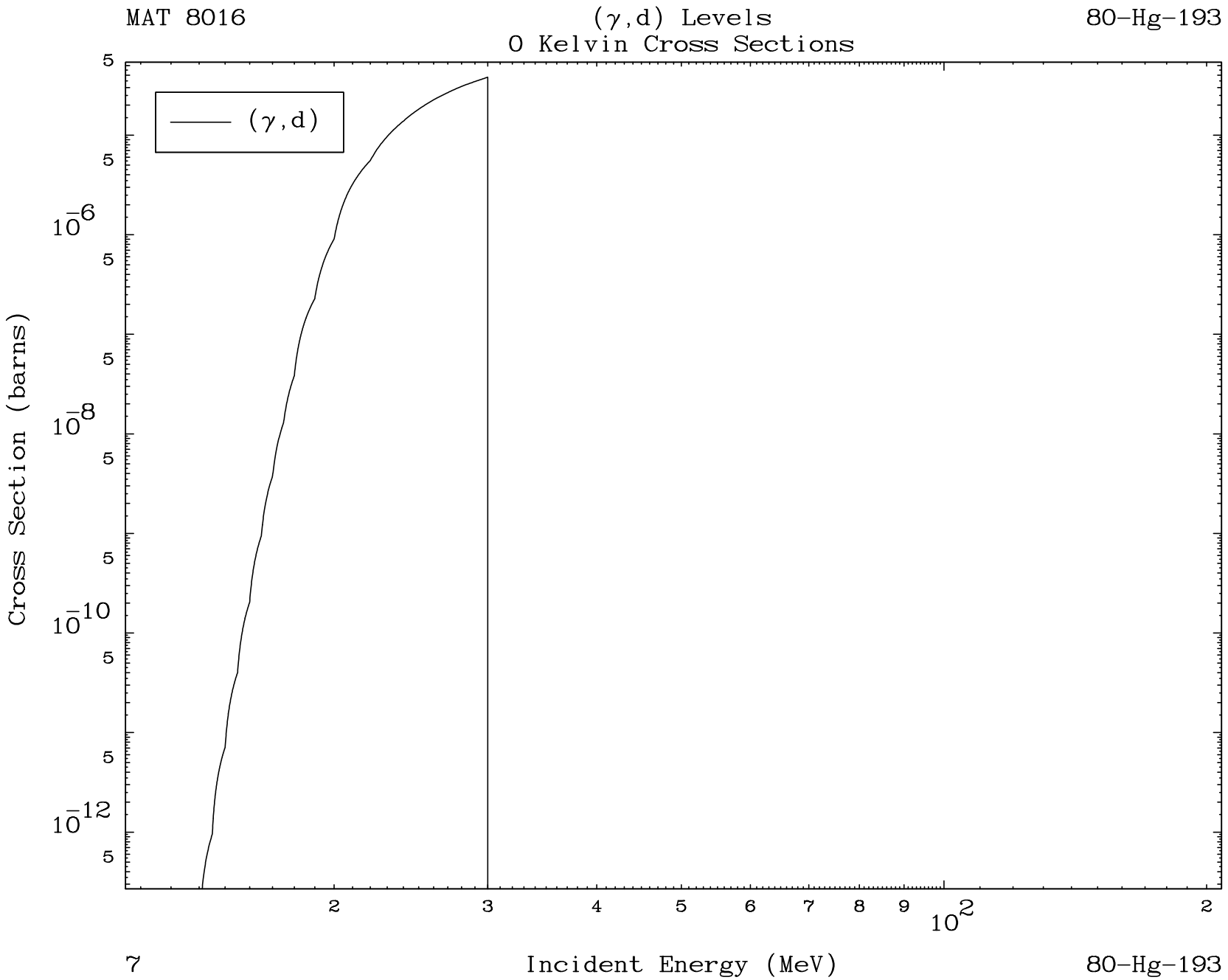

MAT 8016
Photon Neutron Production
0 Kelvin Cross Sections
80-Hg-193
Cross Section (barns)
Incident Energy (MeV)
80-Hg-193
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

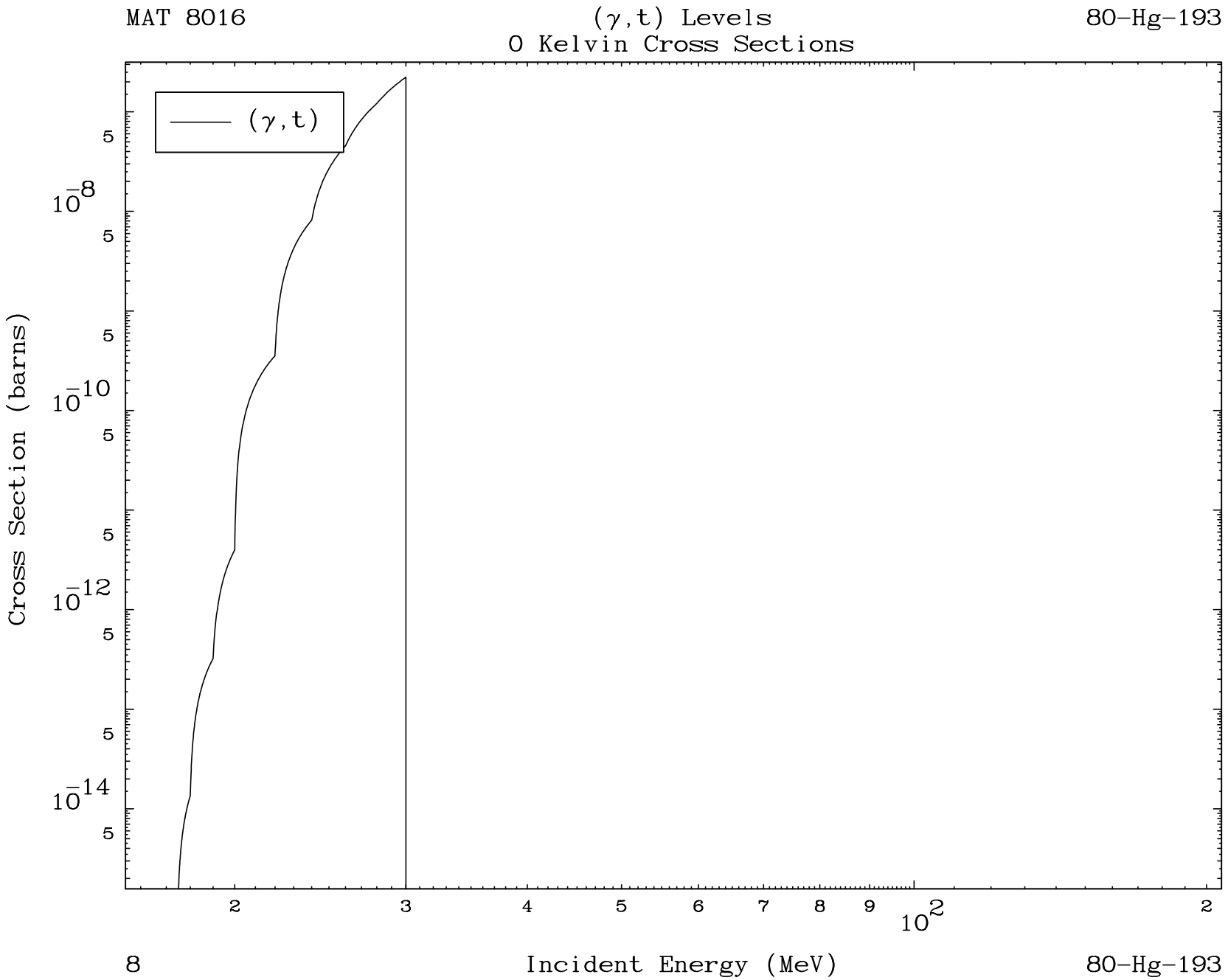

MAT 8016
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-193
Cross Section (barns)
10-4
10-6
10-8
10-10
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
80-Hg-193

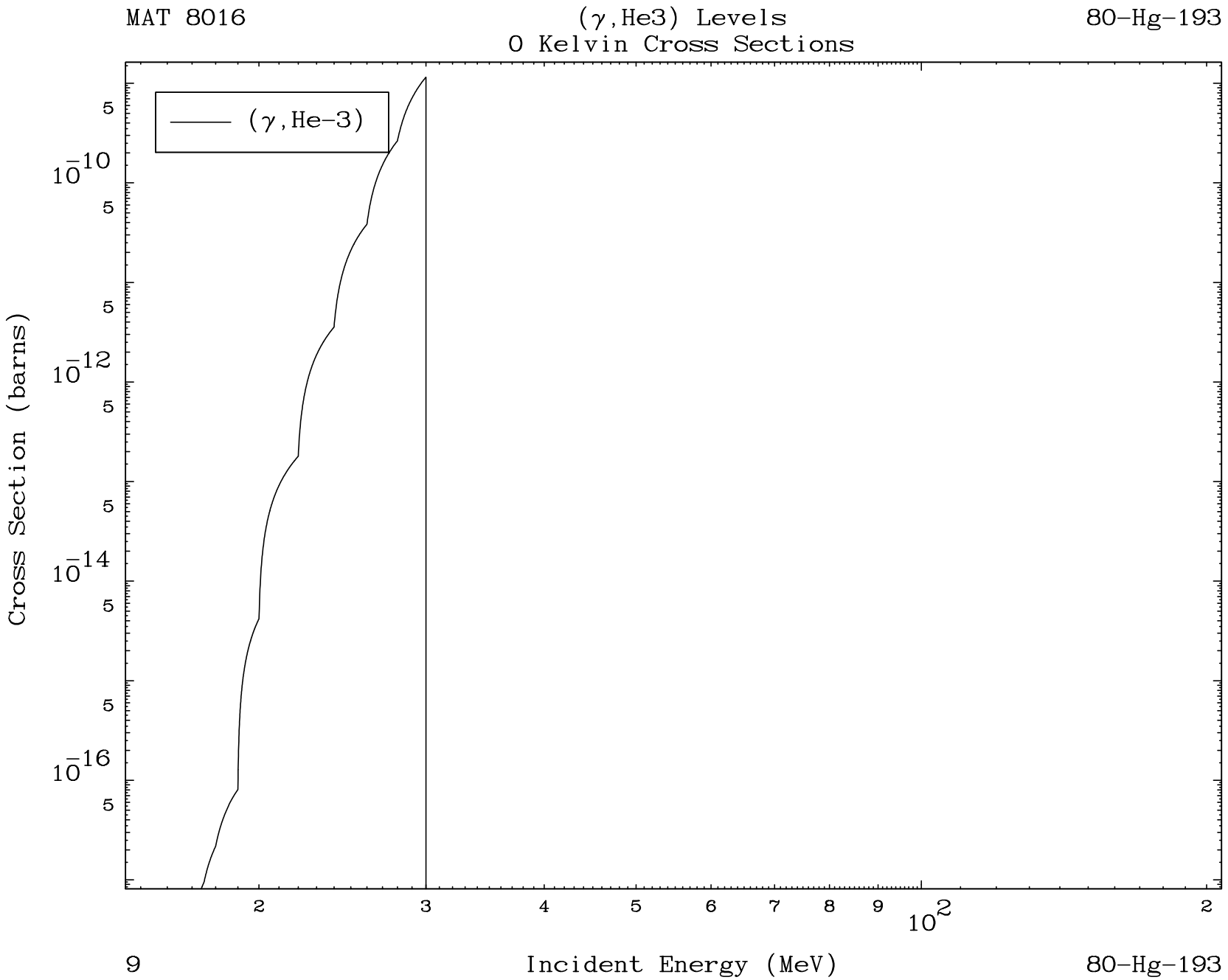

MAT 8016
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-193
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-193

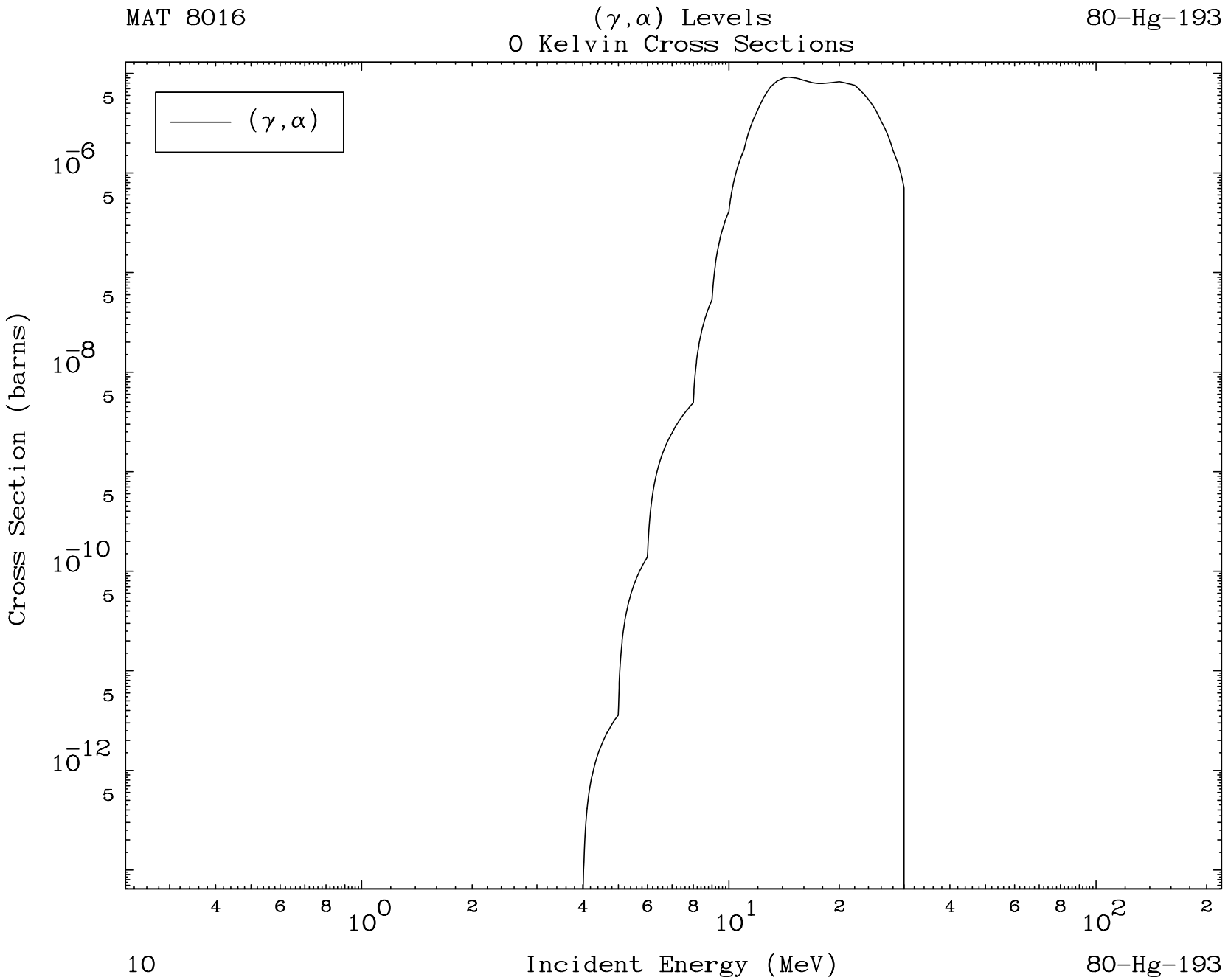

MAT 8016
(γ,n') Level
80-Hg-193
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
80-Hg-193

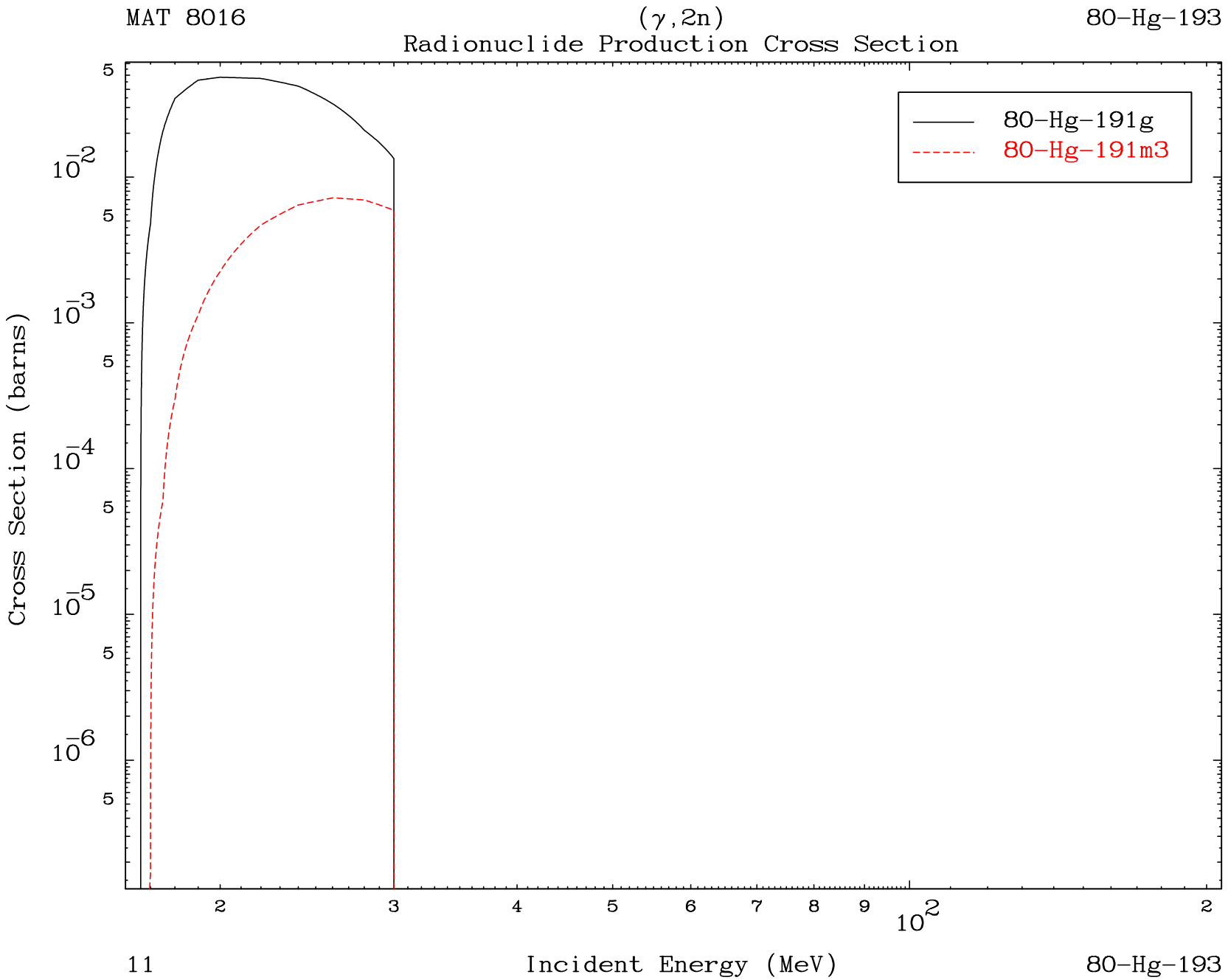

MAT 8016
(γ,p) Levels
80-Hg-193
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
80-Hg-193

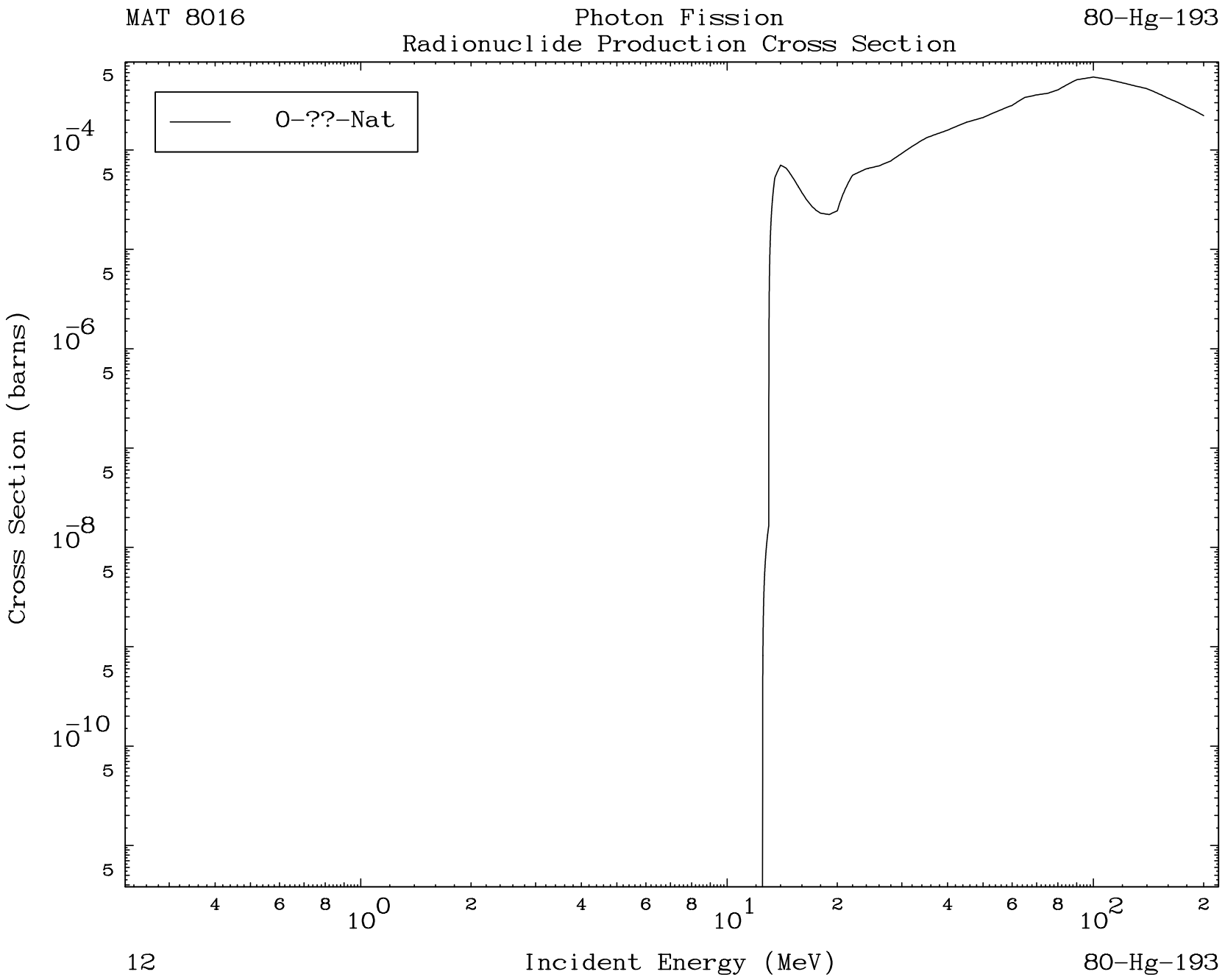

MAT 8016
(γ,d) Levels
80-Hg-193
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
80-Hg-193

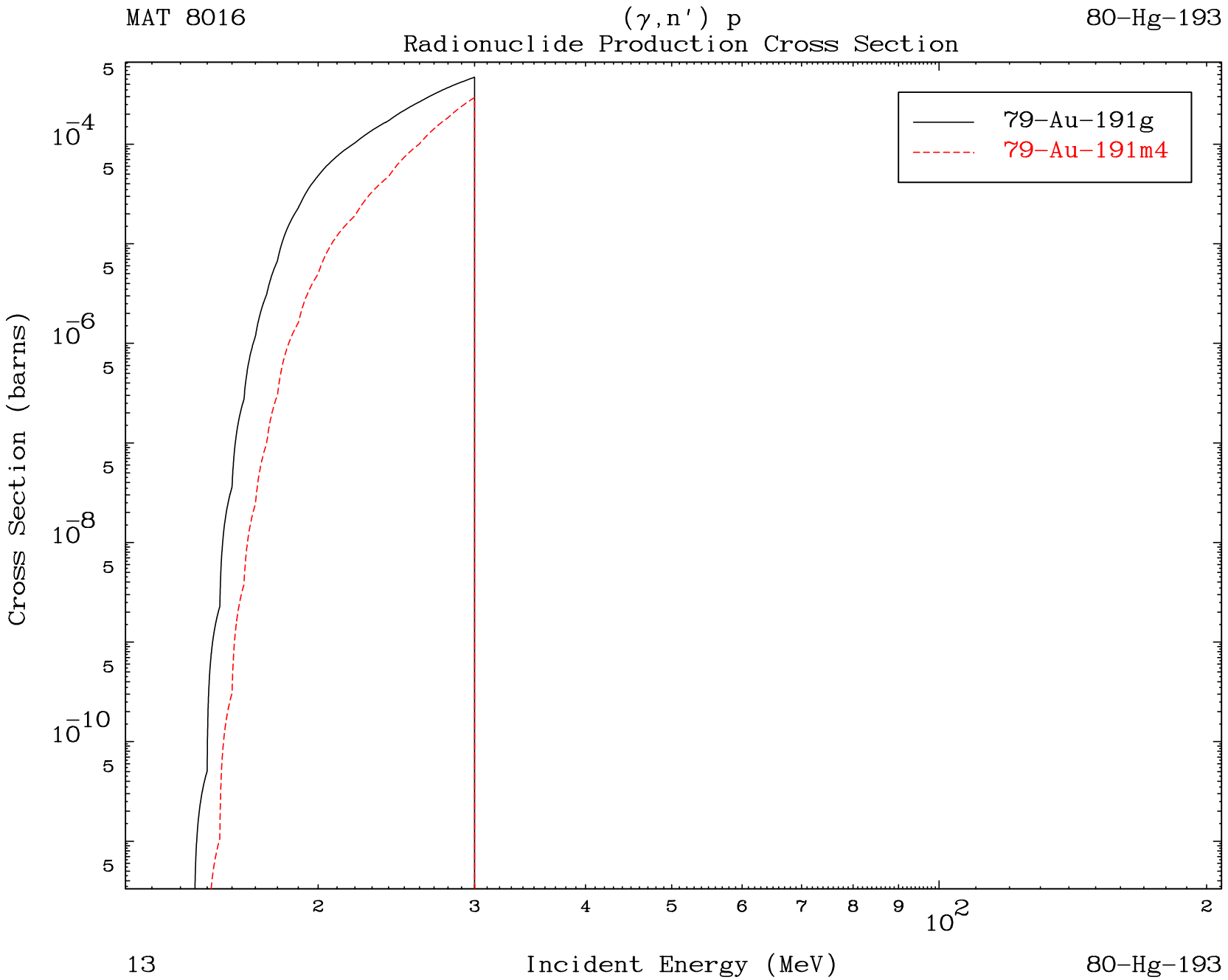

MAT 8016
(γ,t) Levels
80-Hg-193
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
80-Hg-193

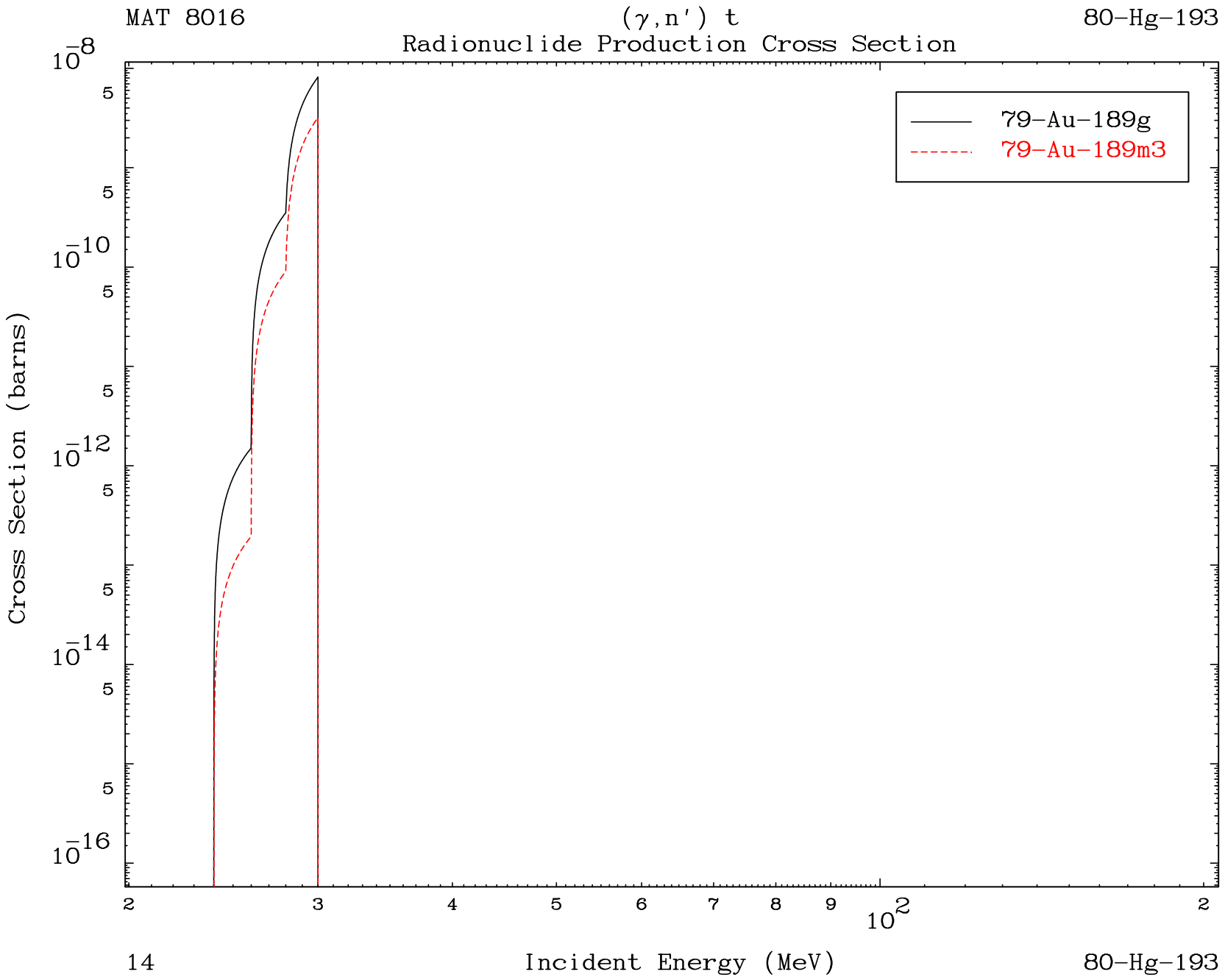

MAT 8016
(γ,He3) Levels
80-Hg-193
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
80-Hg-193

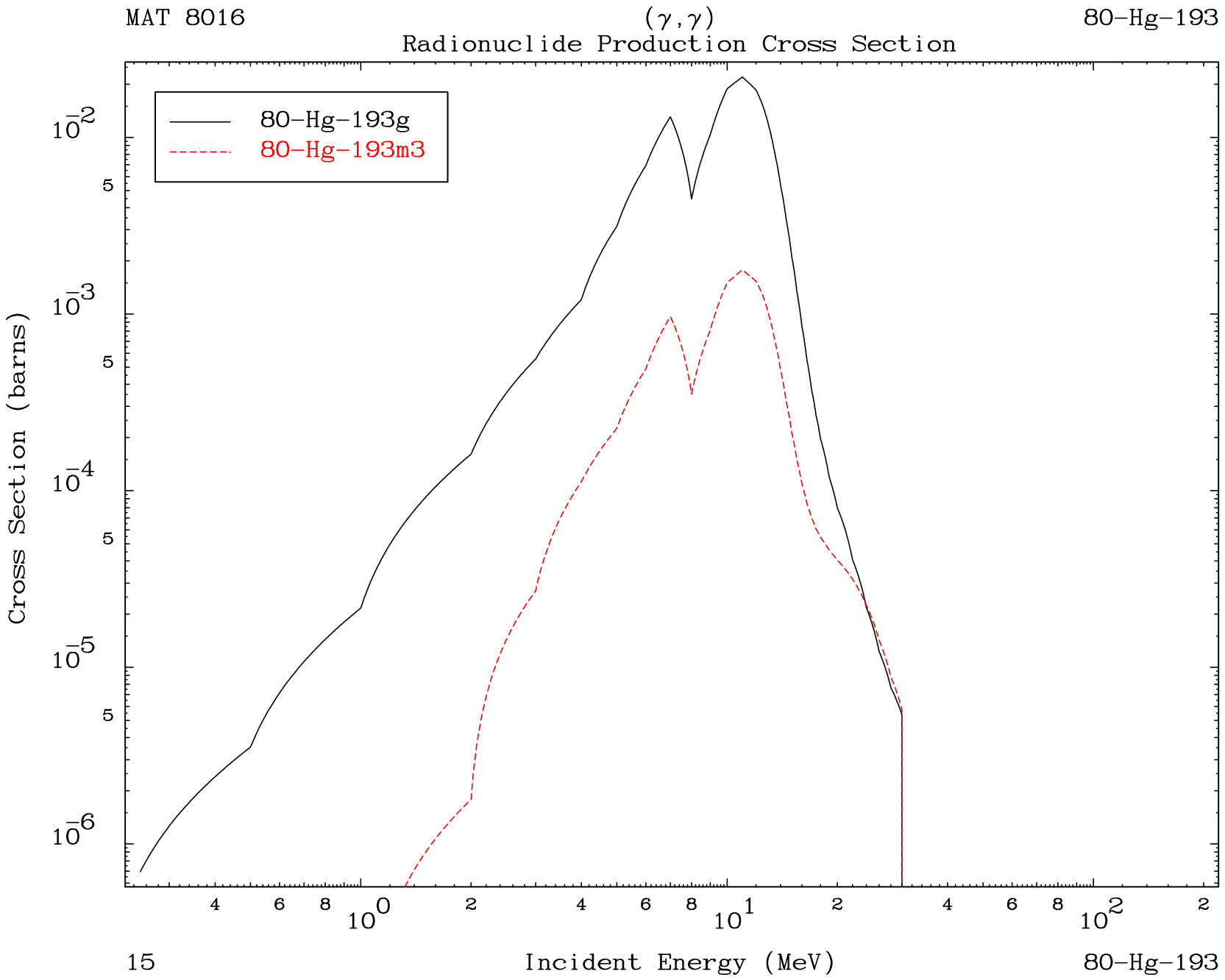

MAT 8016
(γ,α) Levels
80-Hg-193
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
10
80-Hg-193

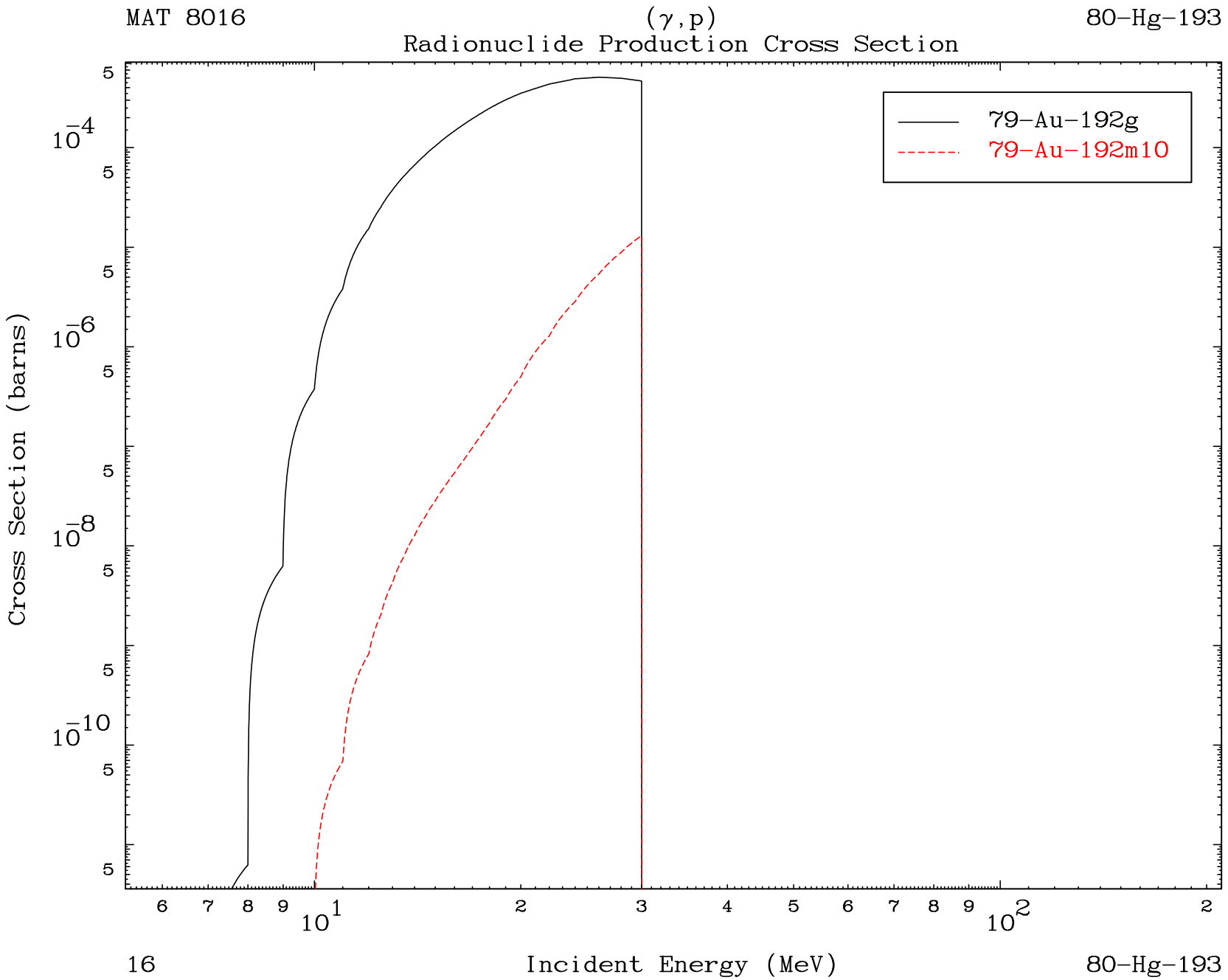

MAT 8016
(γ,2n)
80-Hg-193
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
80-Hg-193

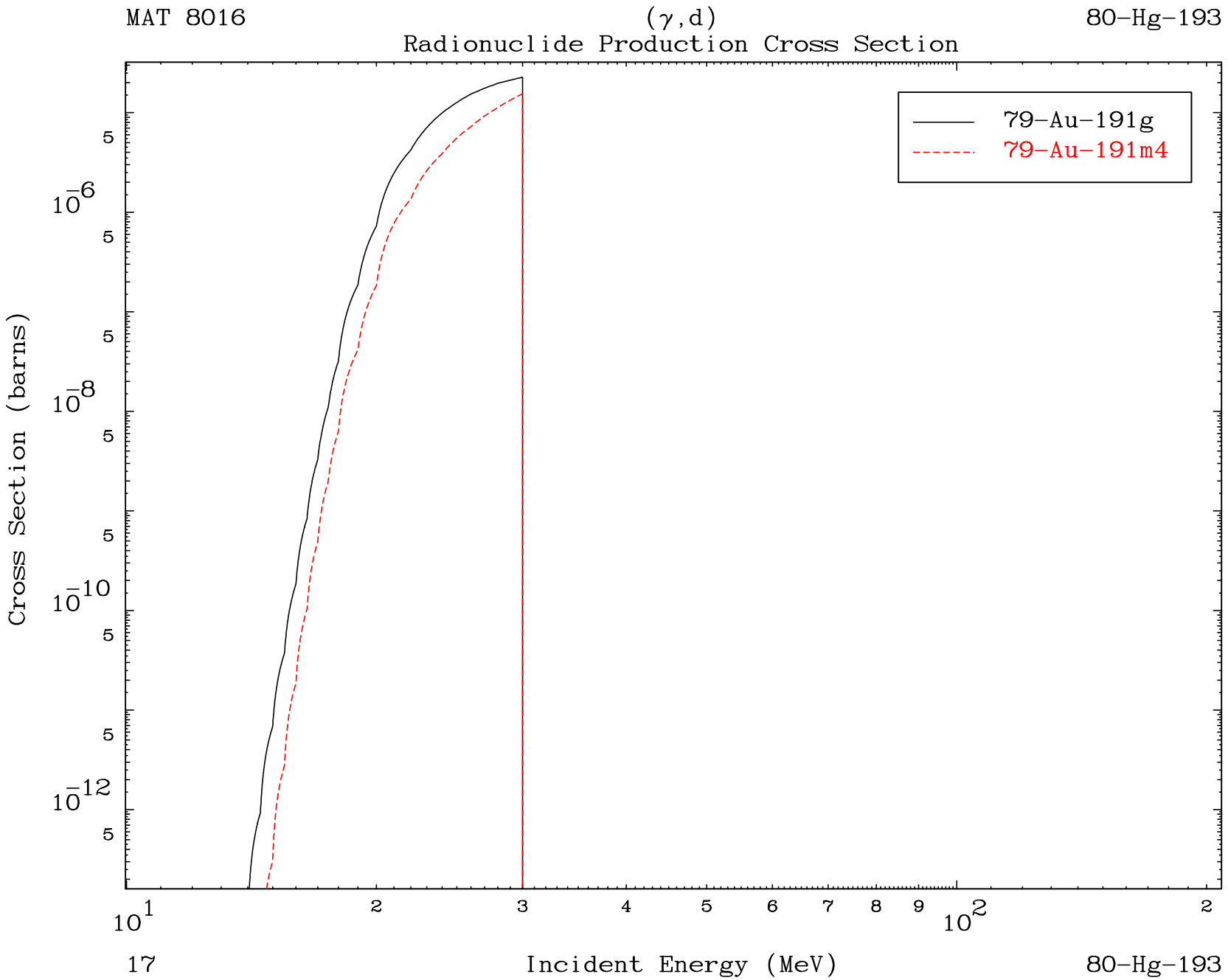

MAT 8016
Photon Fission
80-Hg-193
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-193


MAT 8016
(γ,n') p
80-Hg-193
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
80-Hg-193


MAT 8016
(γ,n') t
80-Hg-193
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
Incident Energy (MeV)
14
80-Hg-193


MAT 8016
(γ,γ)
80-Hg-193
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
100
101
102
Incident Energy (MeV)
15
80-Hg-193


MAT 8016
(γ,p)
80-Hg-193
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m10
Cross Section (barns)
Incident Energy (MeV)
16
80-Hg-193


MAT 8016
(γ,d)
80-Hg-193
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
17
Incident Energy (MeV)
80-Hg-193