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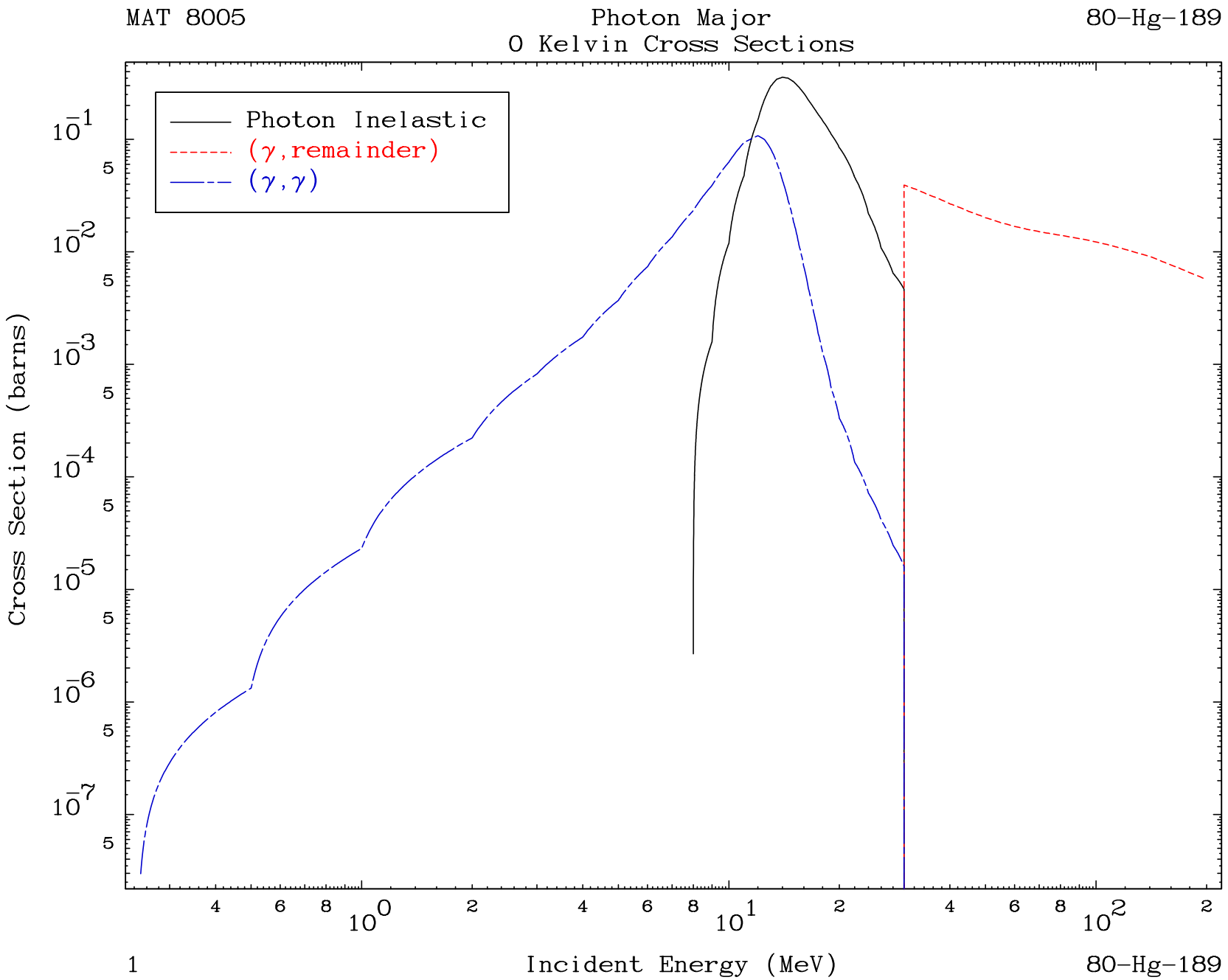
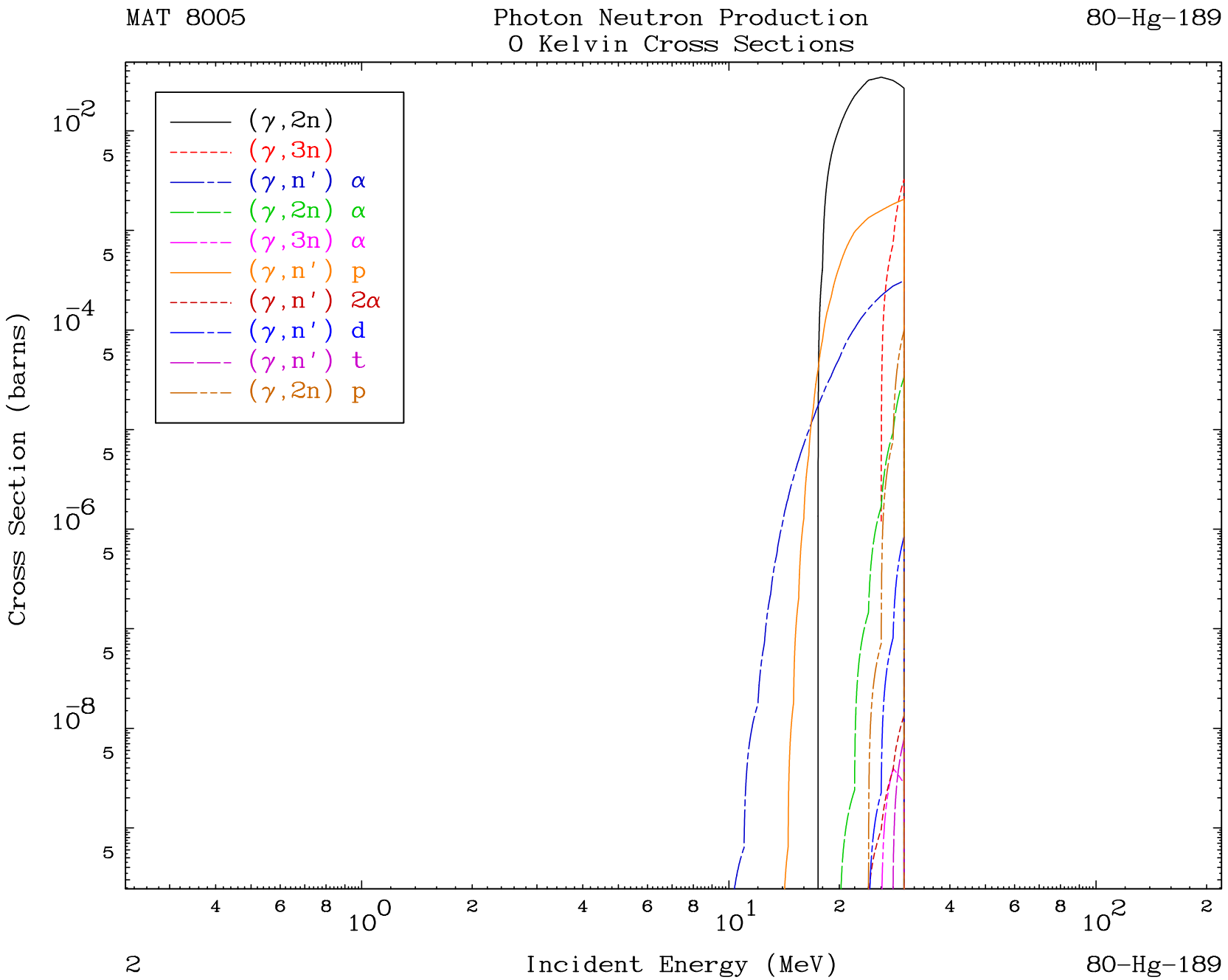
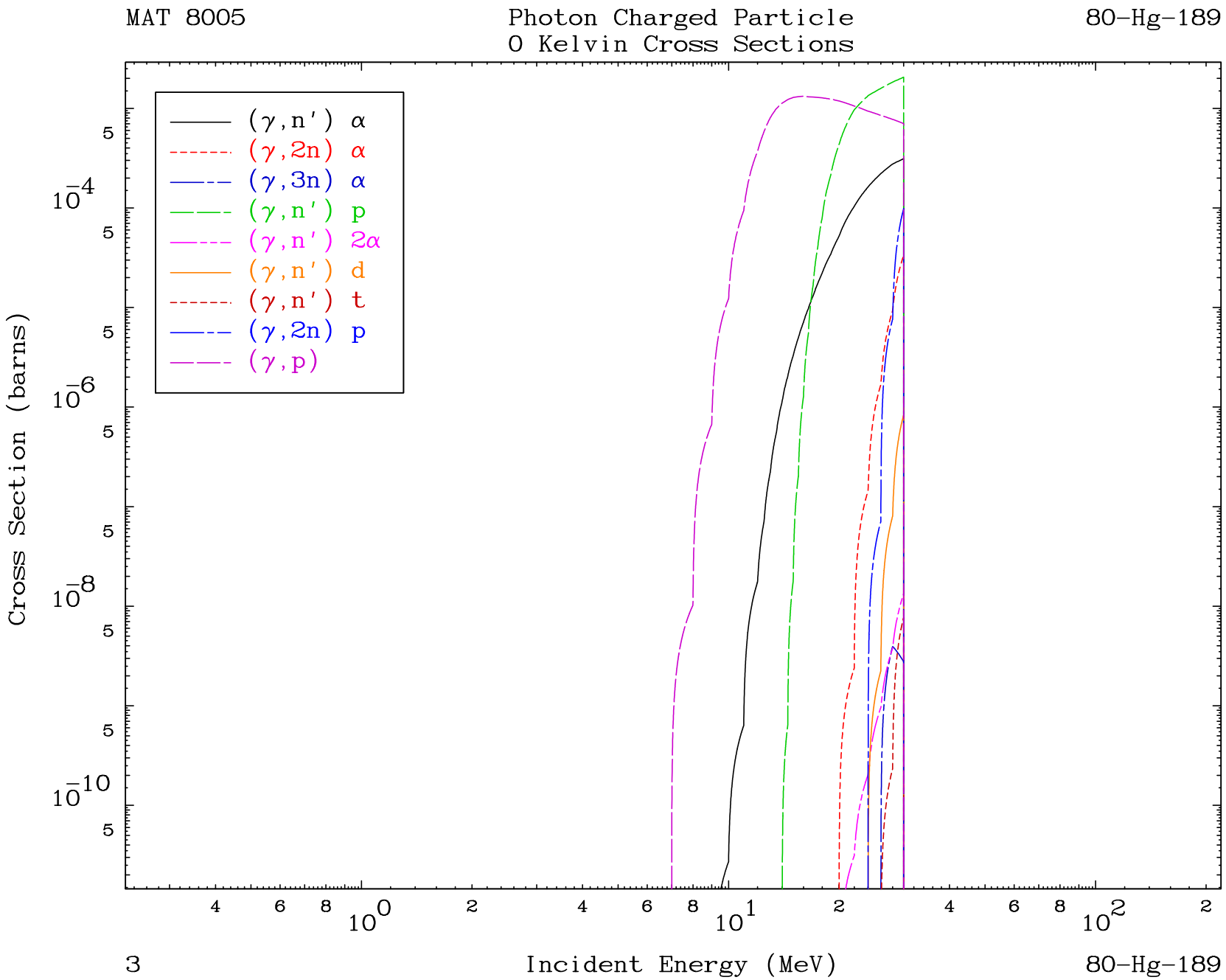
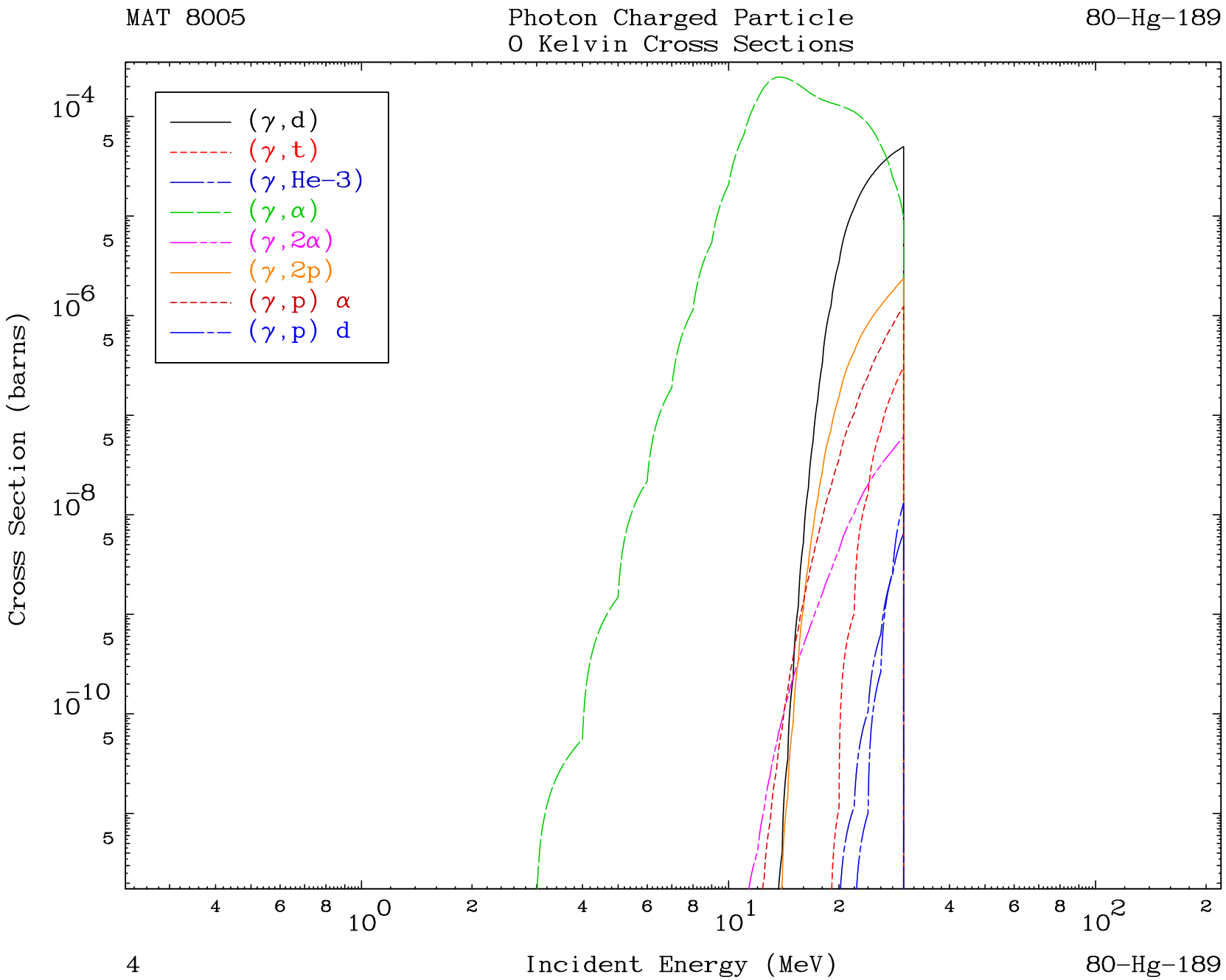
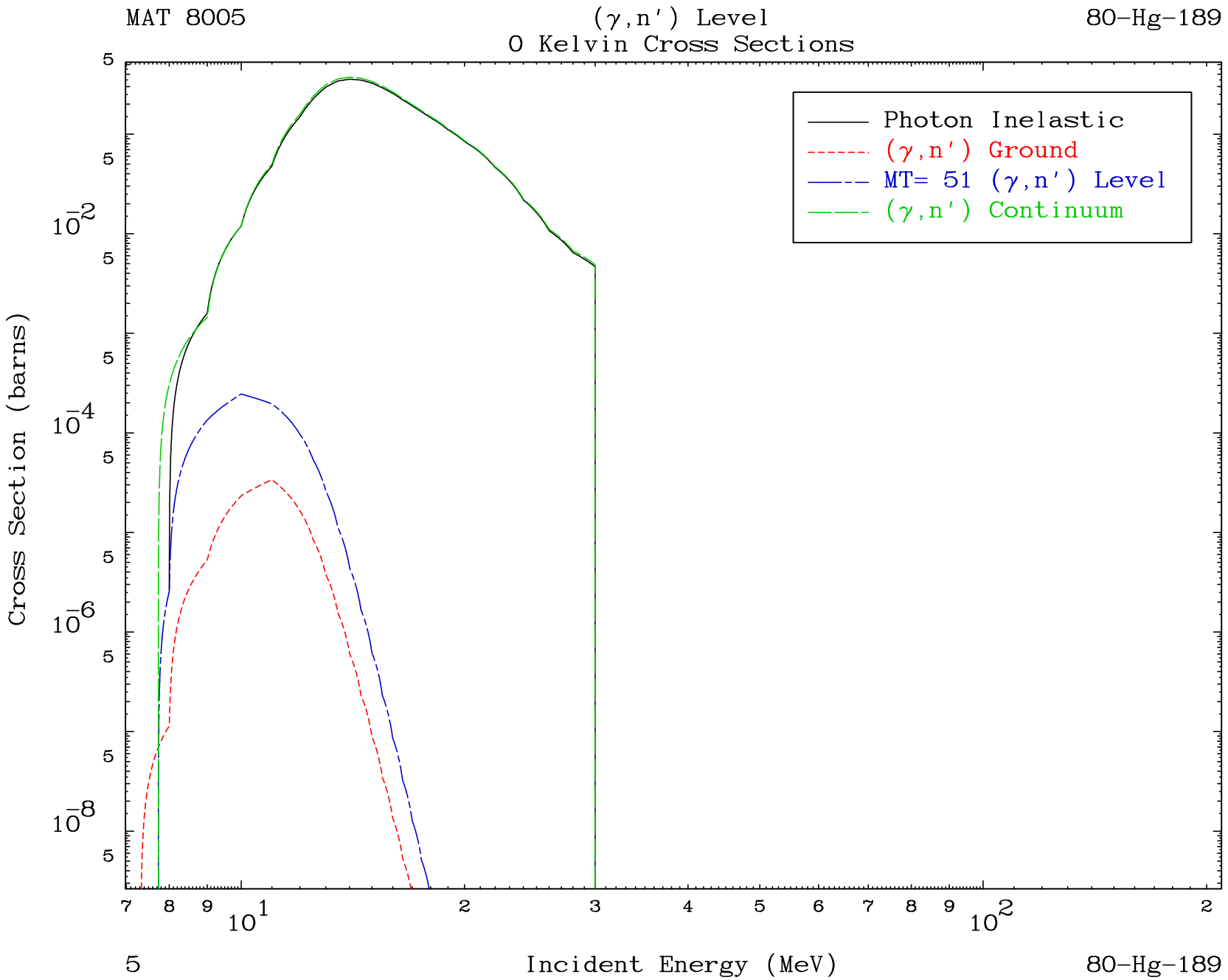
Press Mouse Button to Start

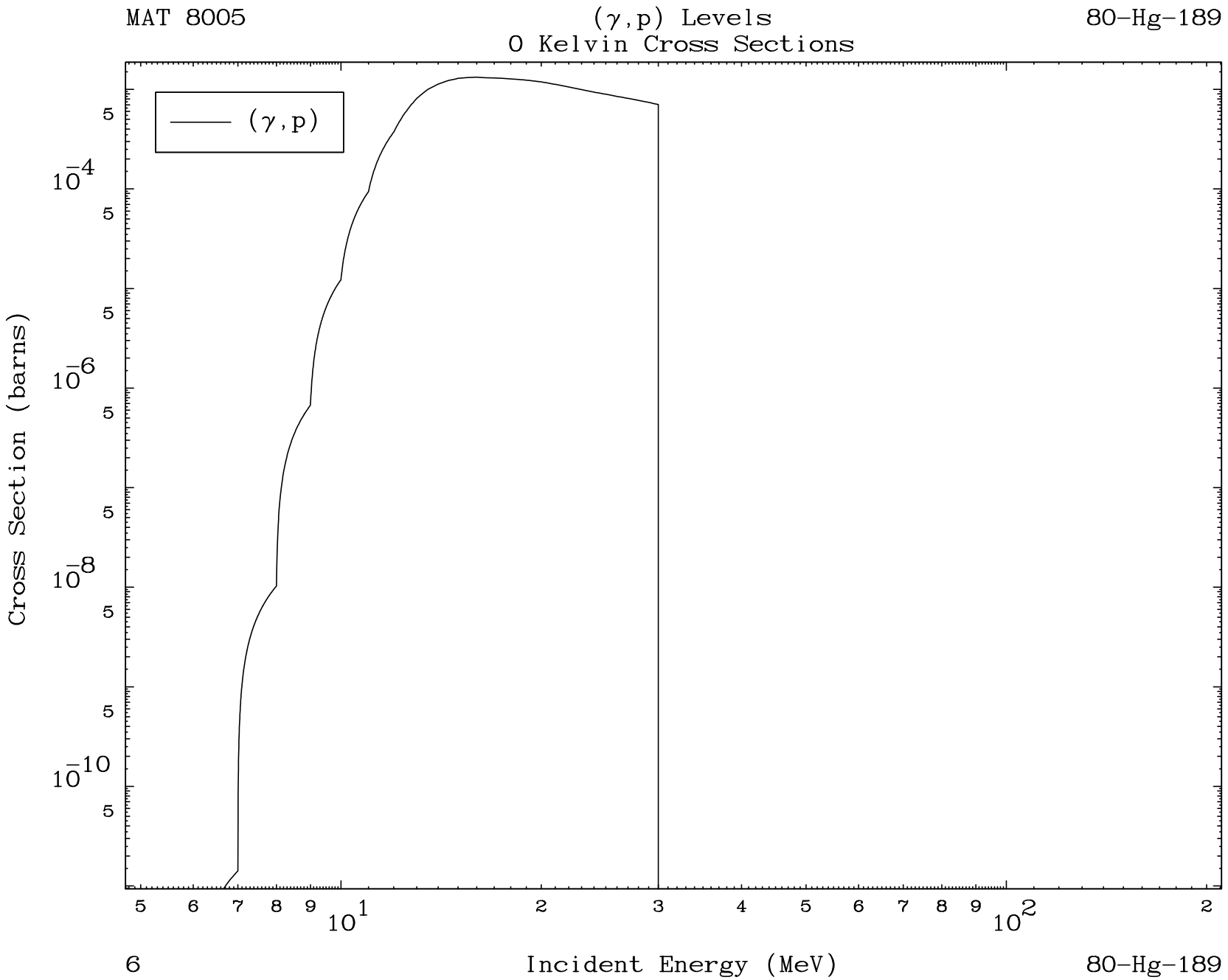

MAT 8005
Photon Major
80-Hg-189
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-189
1

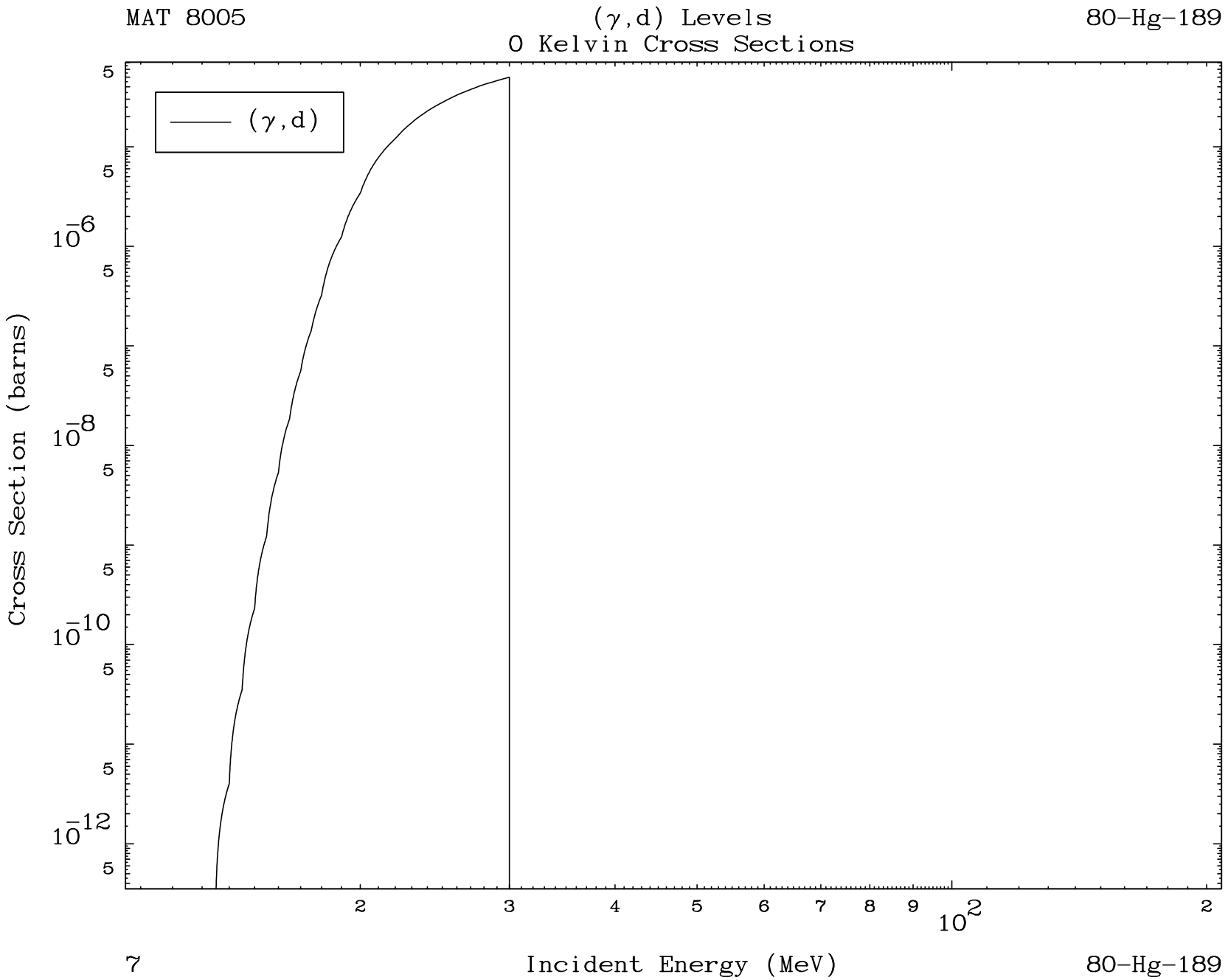

MAT 8005
Photon Neutron Production
0 Kelvin Cross Sections
80-Hg-189
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
2
80-Hg-189

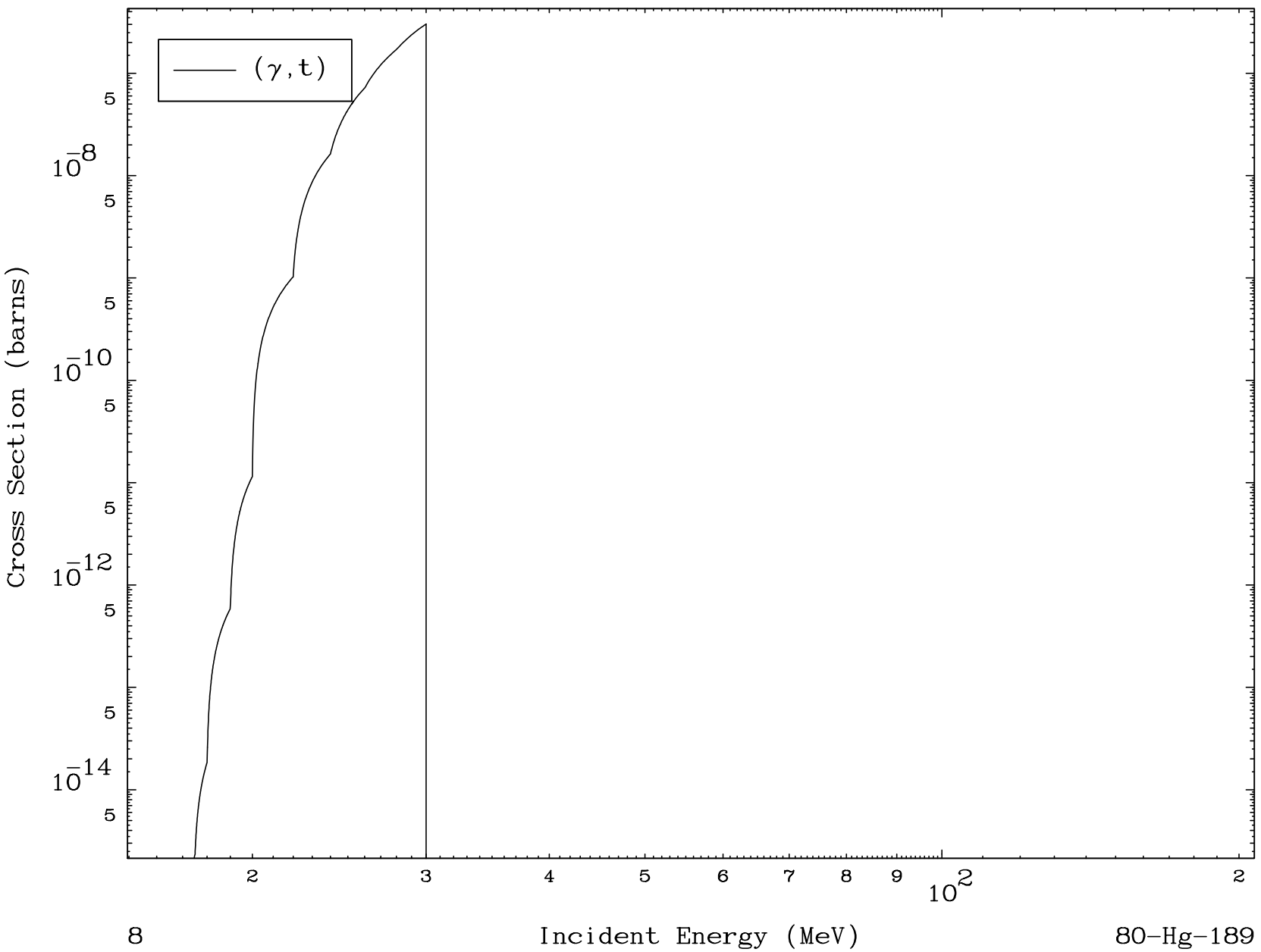

MAT 8005
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-189
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
3
80-Hg-189

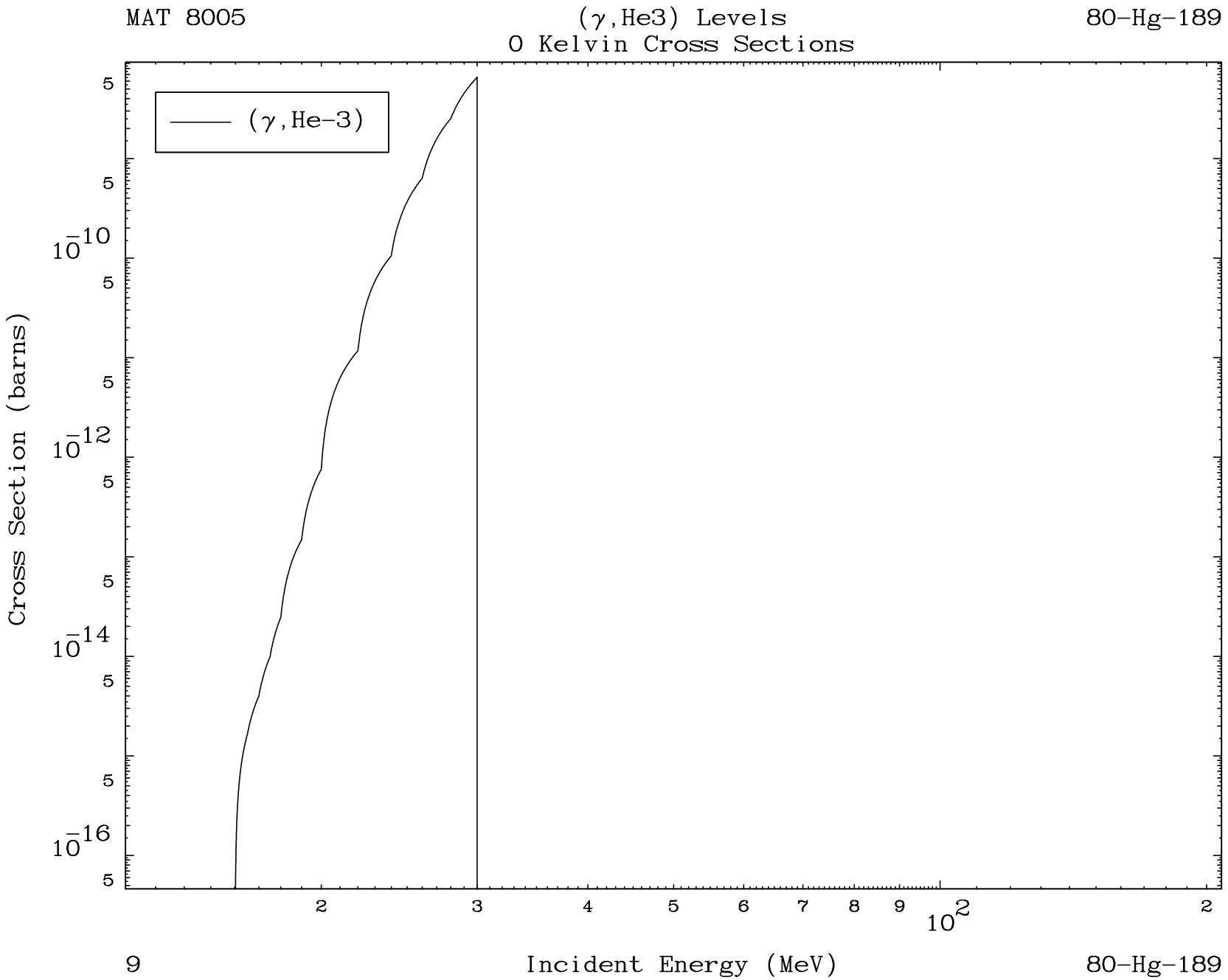

MAT 8005
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-189
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-189

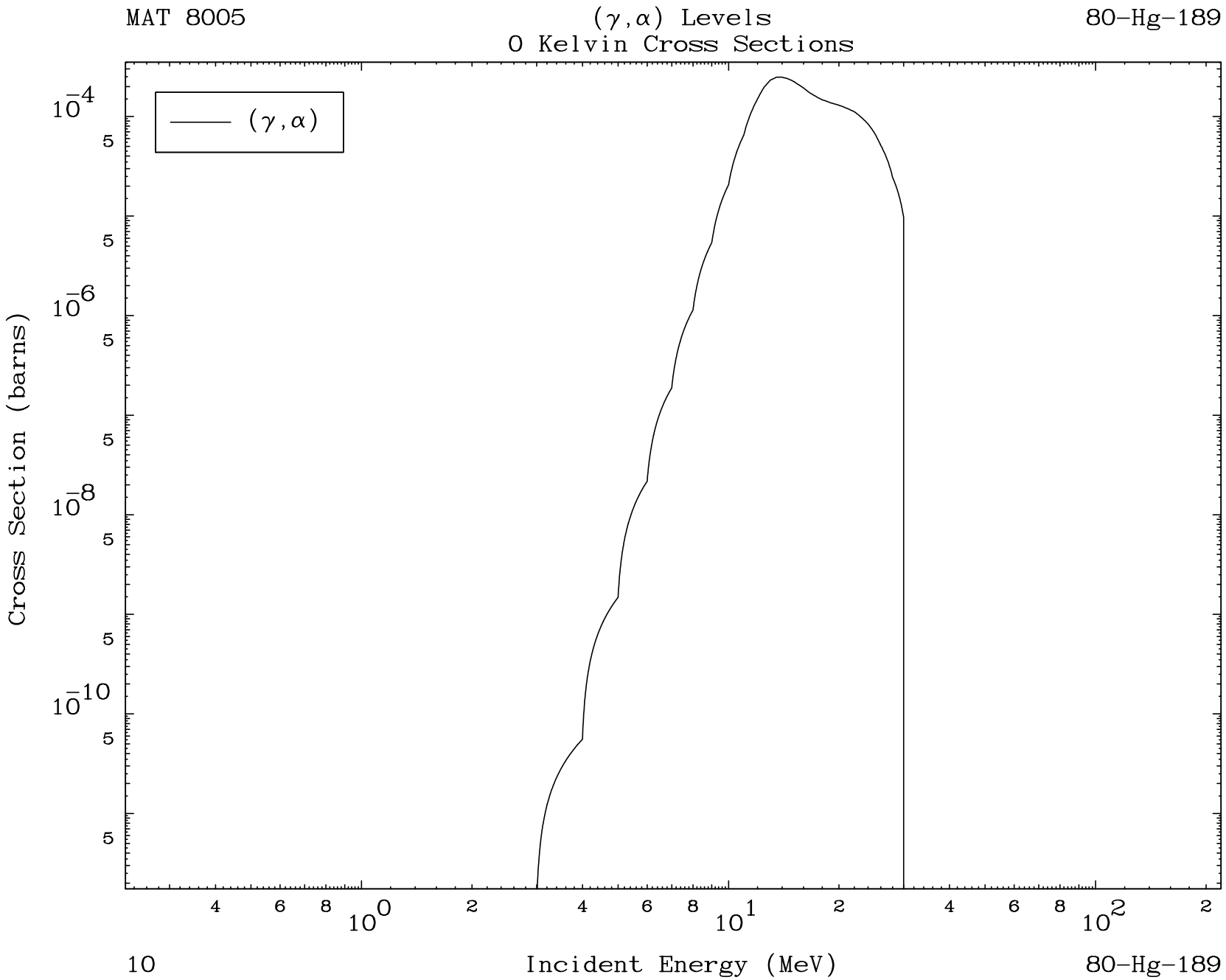

MAT 8005
(γ,n') Level
0 Kelvin Cross Sections
80-Hg-189
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
80-Hg-189

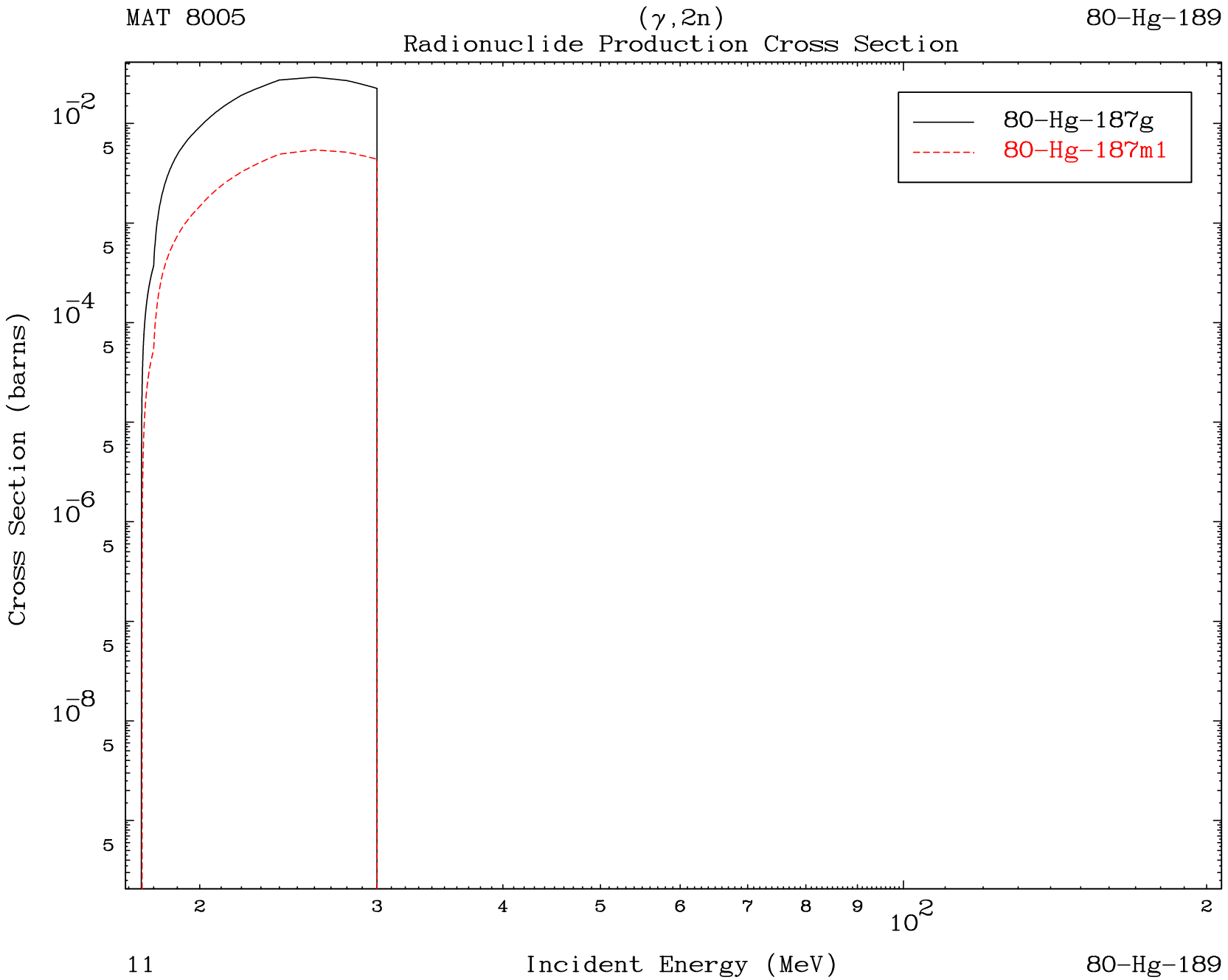

MAT 8005
(γ,p) Levels
80-Hg-189
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
80-Hg-189

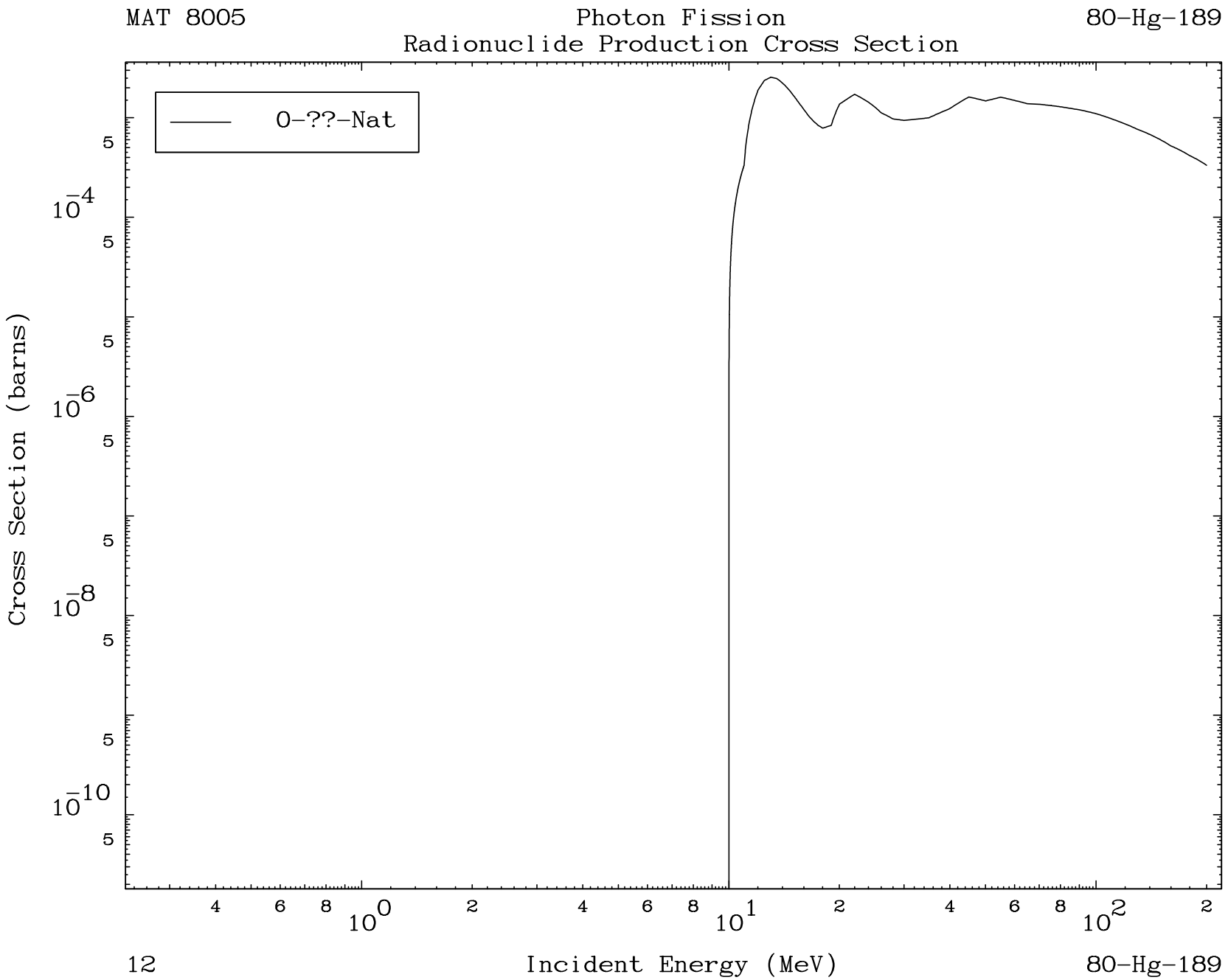

MAT 8005
(γ,d) Levels
80-Hg-189
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
80-Hg-189

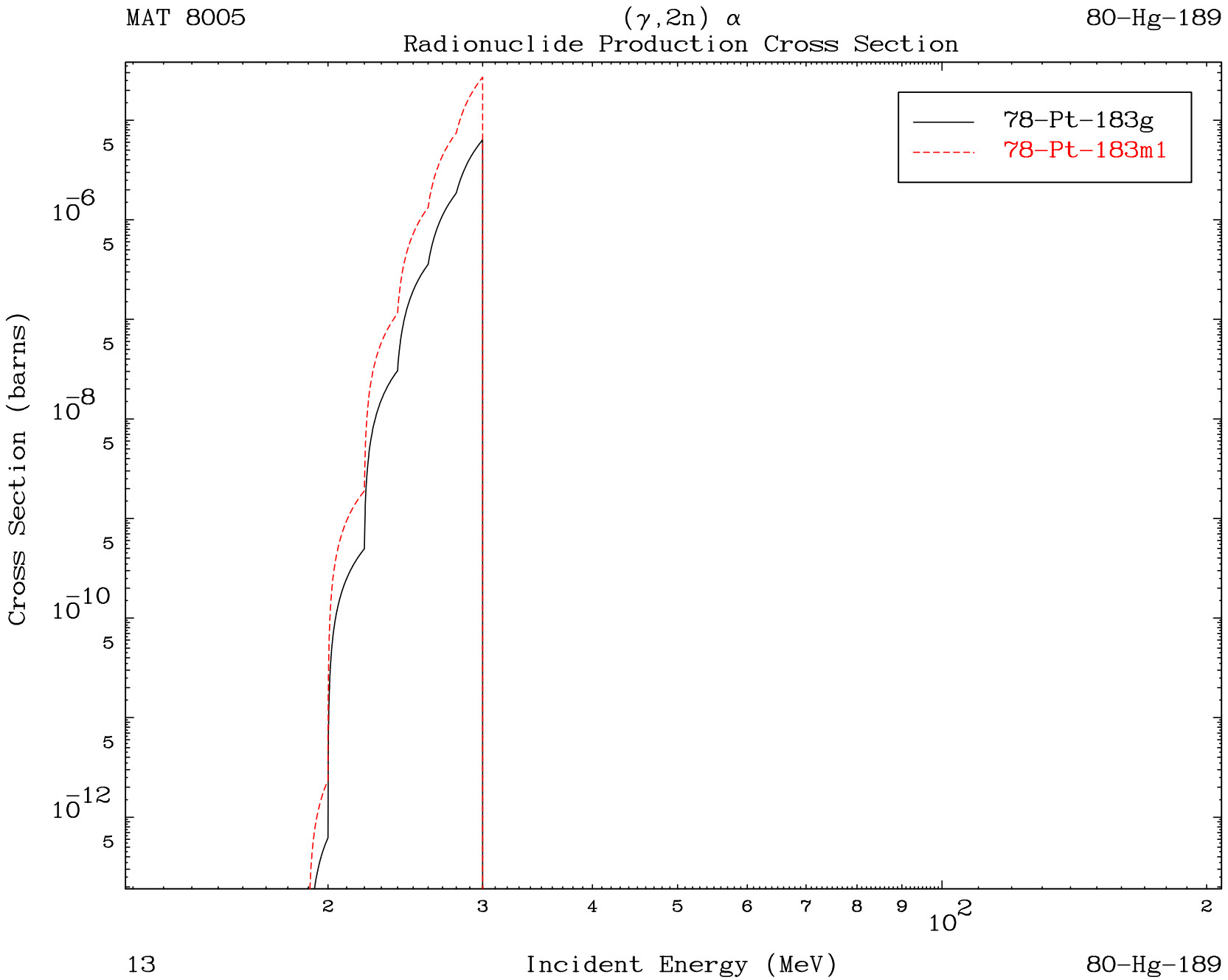

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

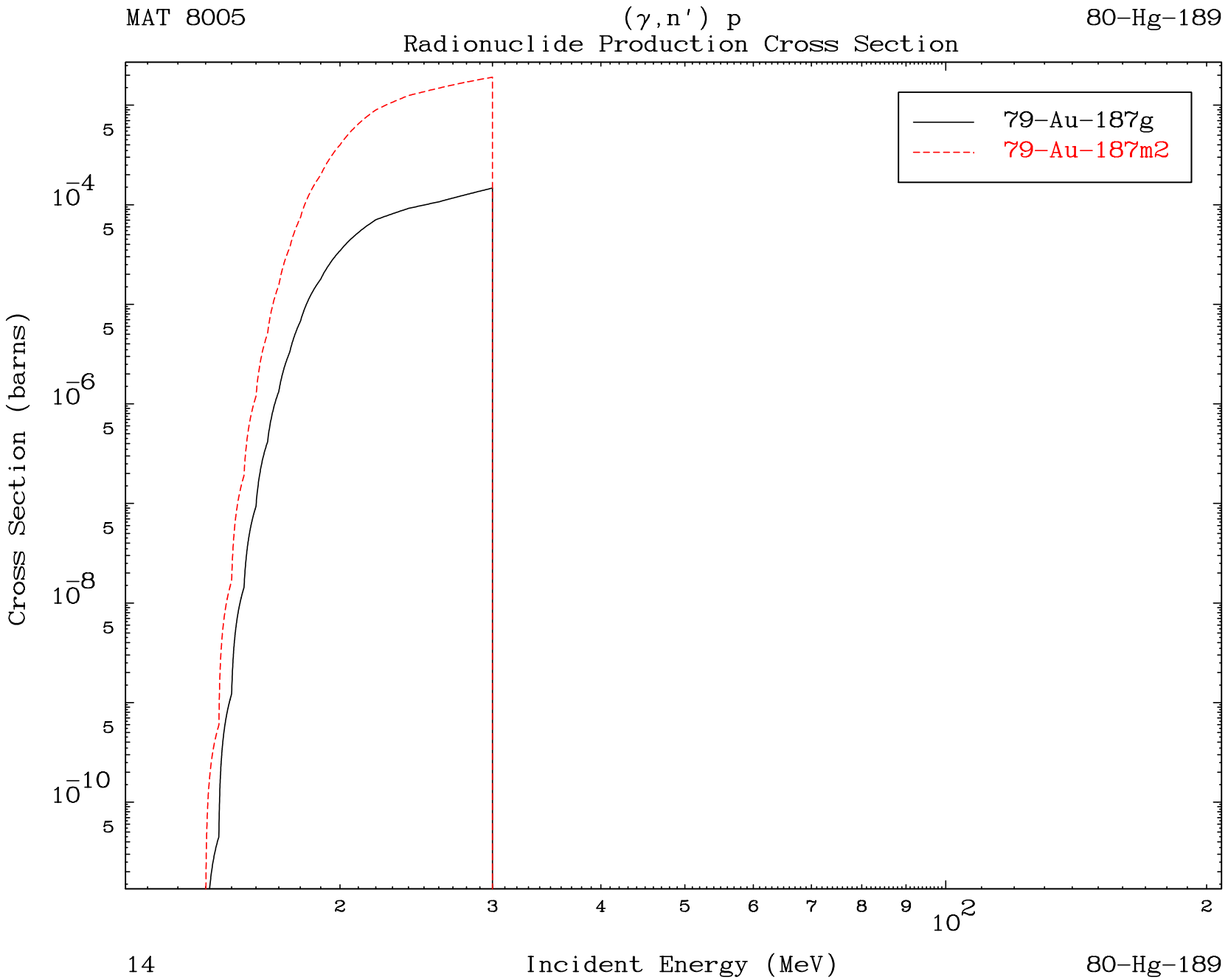

MAT 8005
(γ,He3) Levels
80-Hg-189
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
80-Hg-189

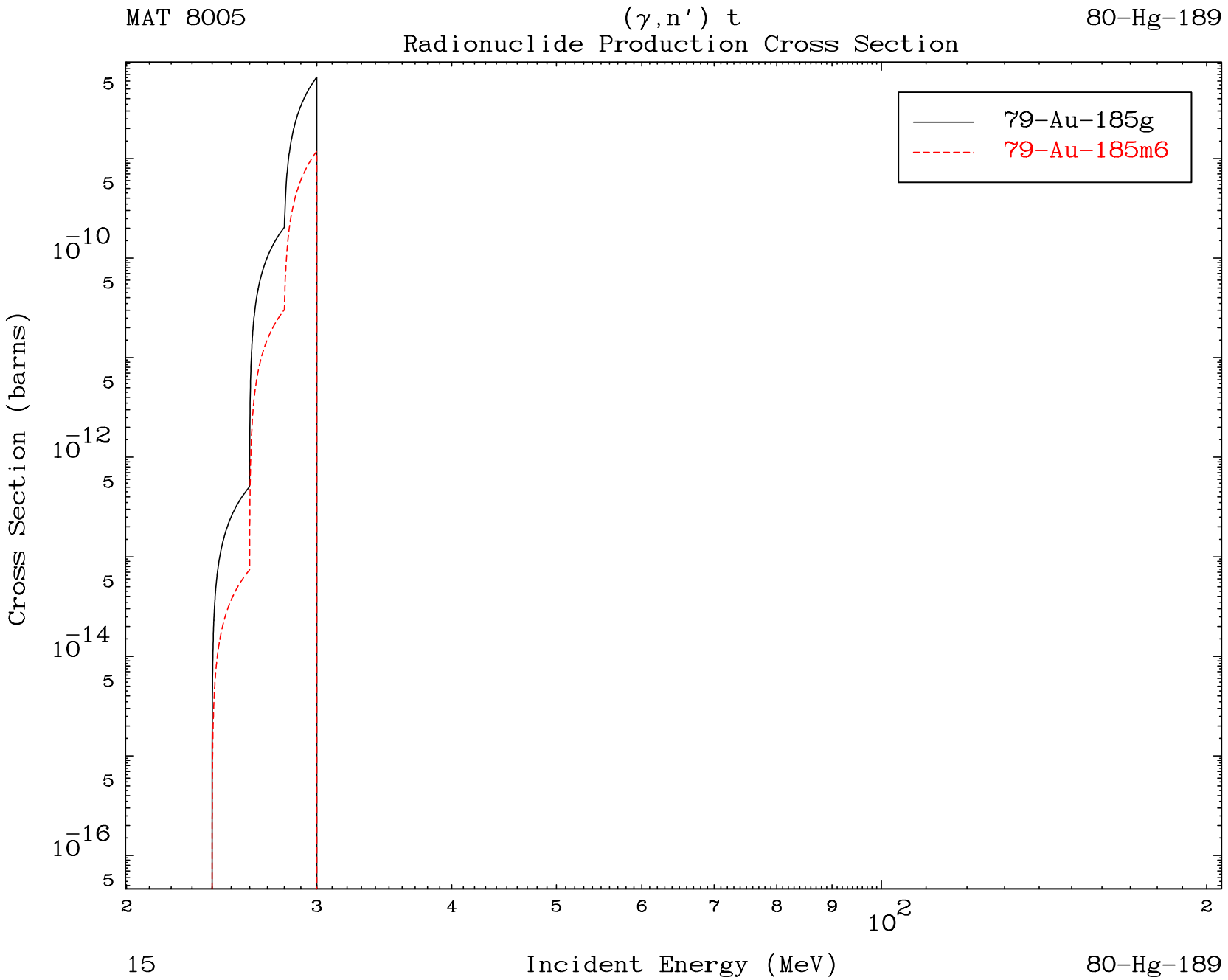

MAT 8005
(γ,α) Levels
80-Hg-189
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
10
80-Hg-189

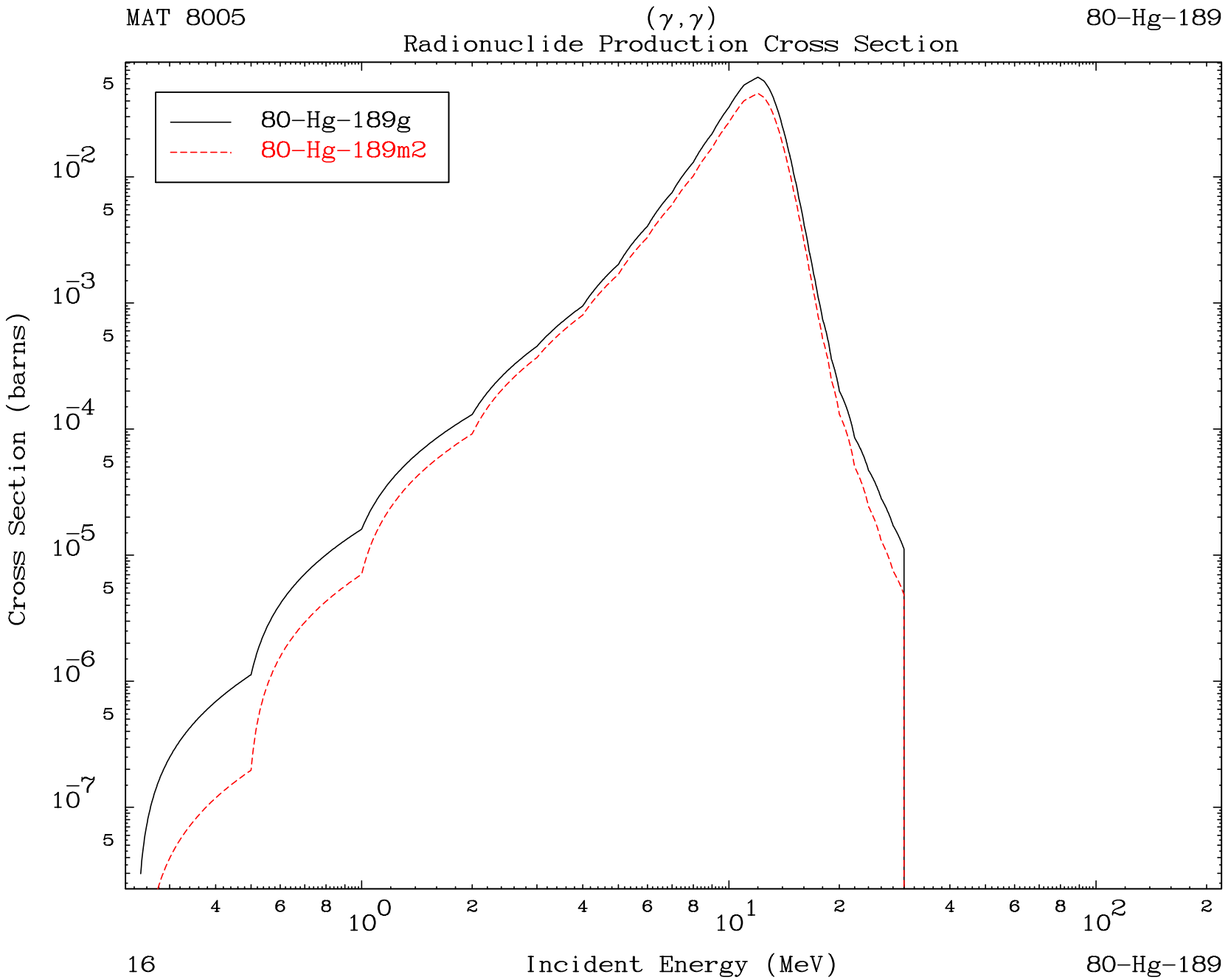

MAT 8005
(γ,2n)
80-Hg-189
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
80-Hg-189

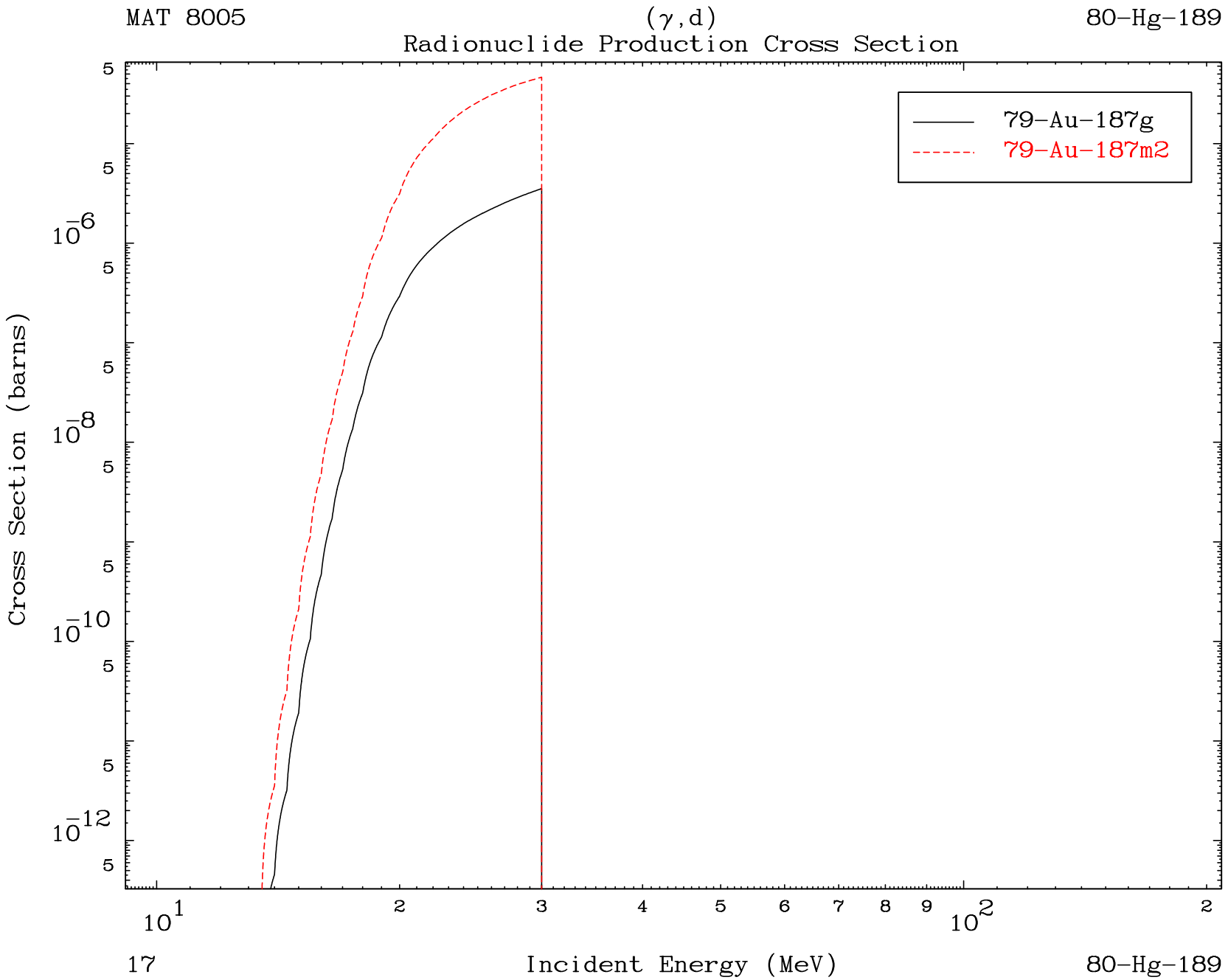

MAT 8005
Photon Fission
80-Hg-189
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
80-Hg-189

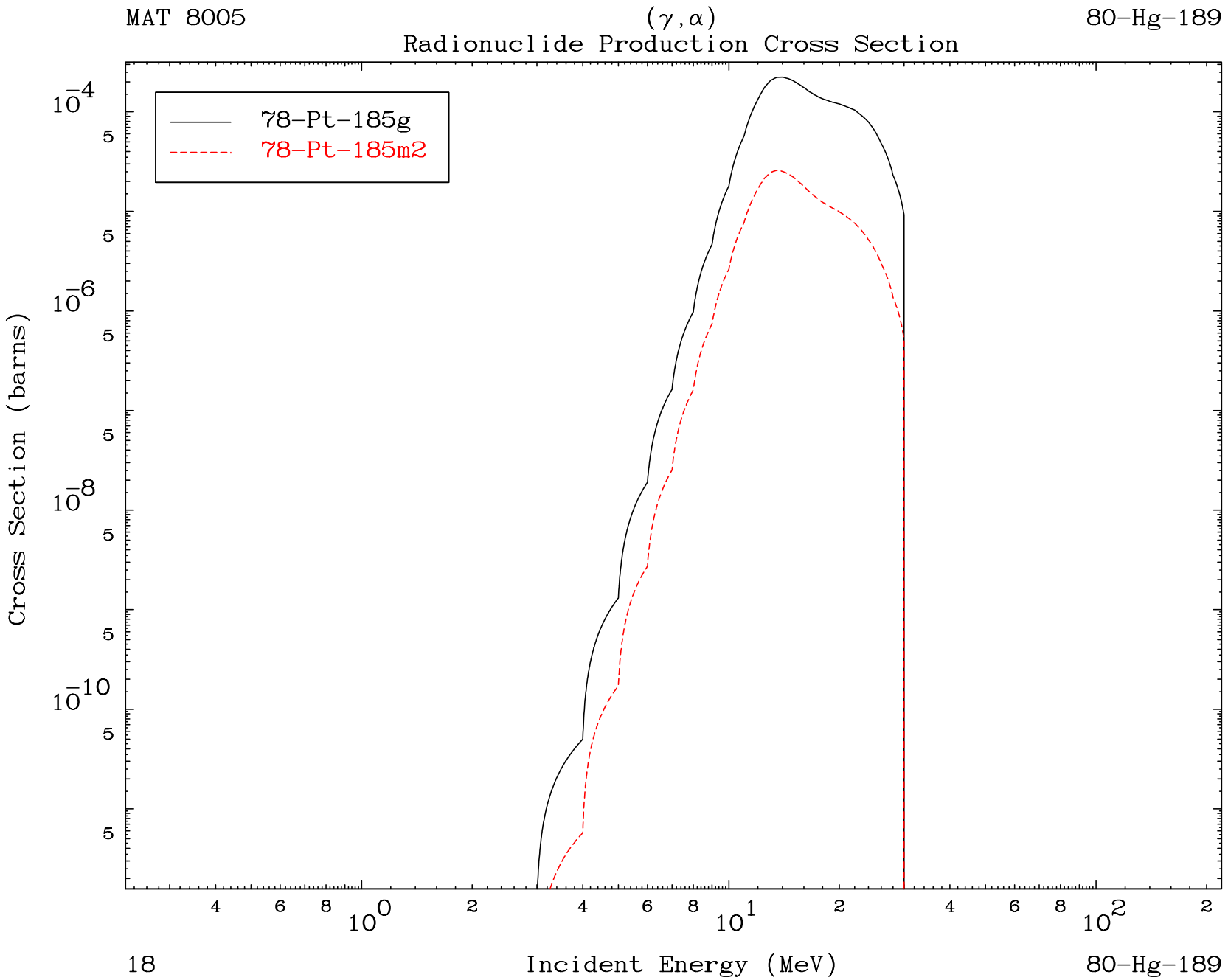

MAT 8005
(γ,2n) α
80-Hg-189
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
13
Incident Energy (MeV)
80-Hg-189

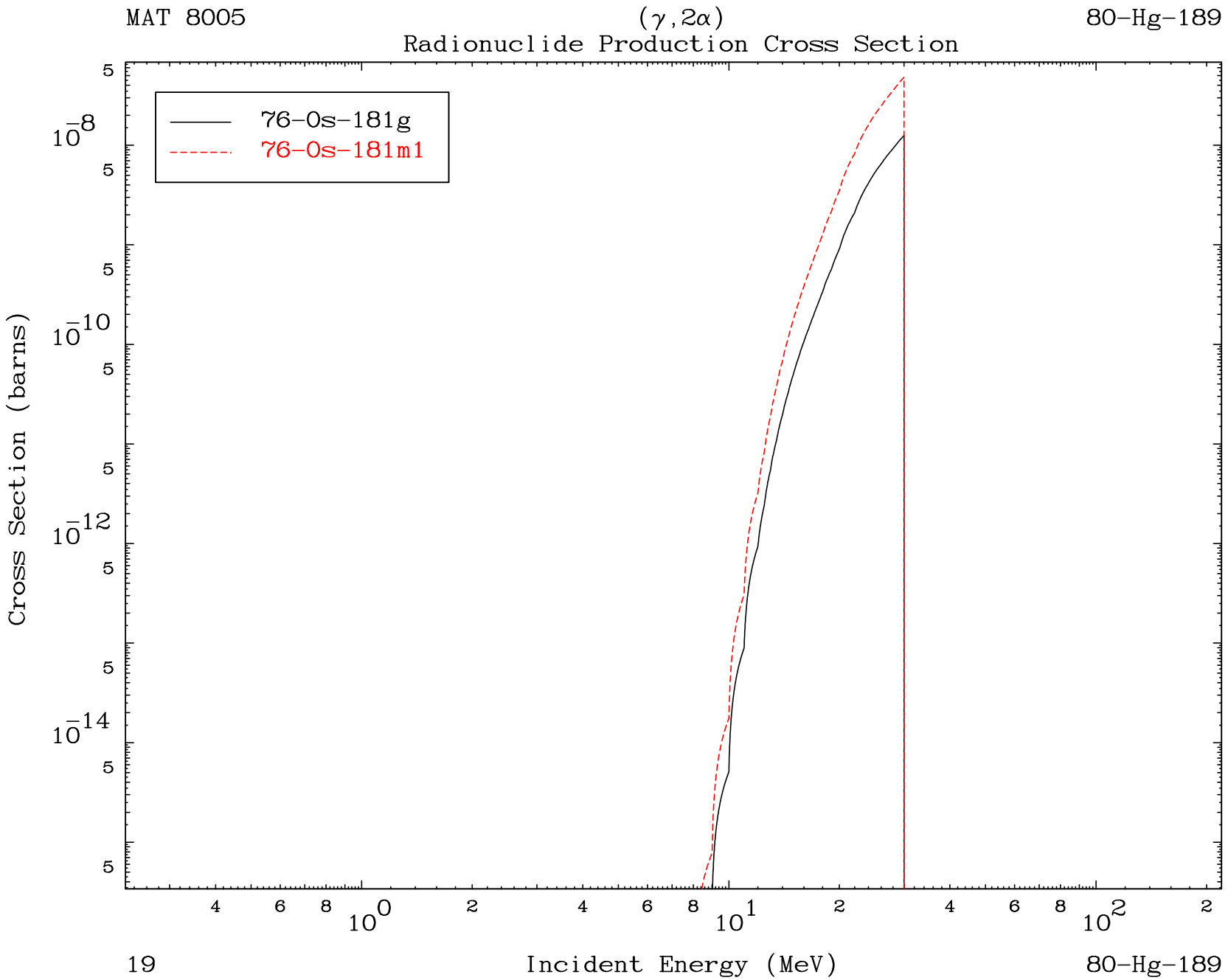

MAT 8005
(γ,n') p
80-Hg-189
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
80-Hg-189


MAT 8005
(γ,n') t
80-Hg-189
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
80-Hg-189


MAT 8005
(γ,γ)
80-Hg-189
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
16
80-Hg-189


MAT 8005
(γ,d)
80-Hg-189
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
17
80-Hg-189


MAT 8005
(γ,α)
80-Hg-189
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
18
80-Hg-189


MAT 8005
(γ,2α)
80-Hg-189
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
19
80-Hg-189