Program EVALPLOT
(Version 2021-1)
by
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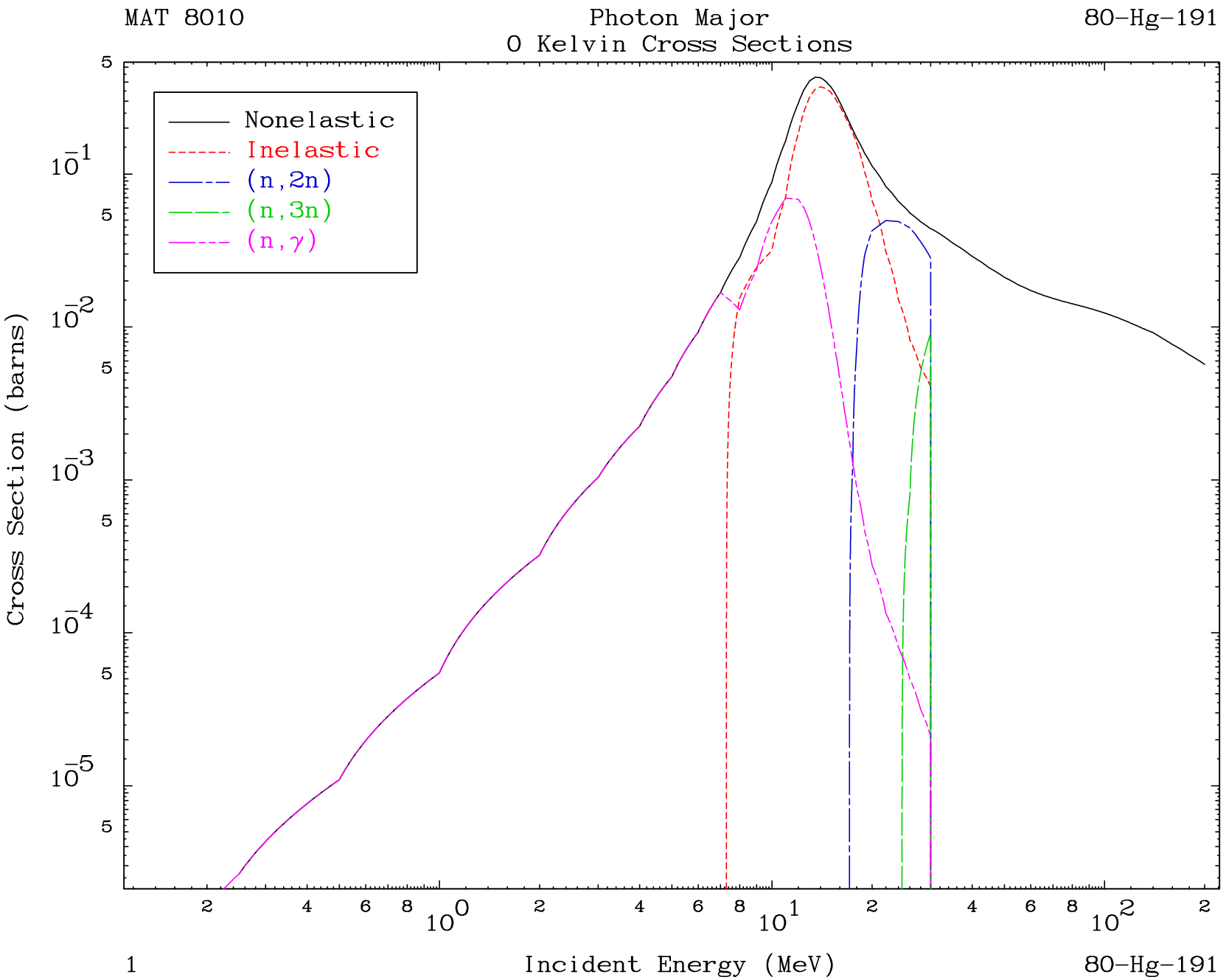
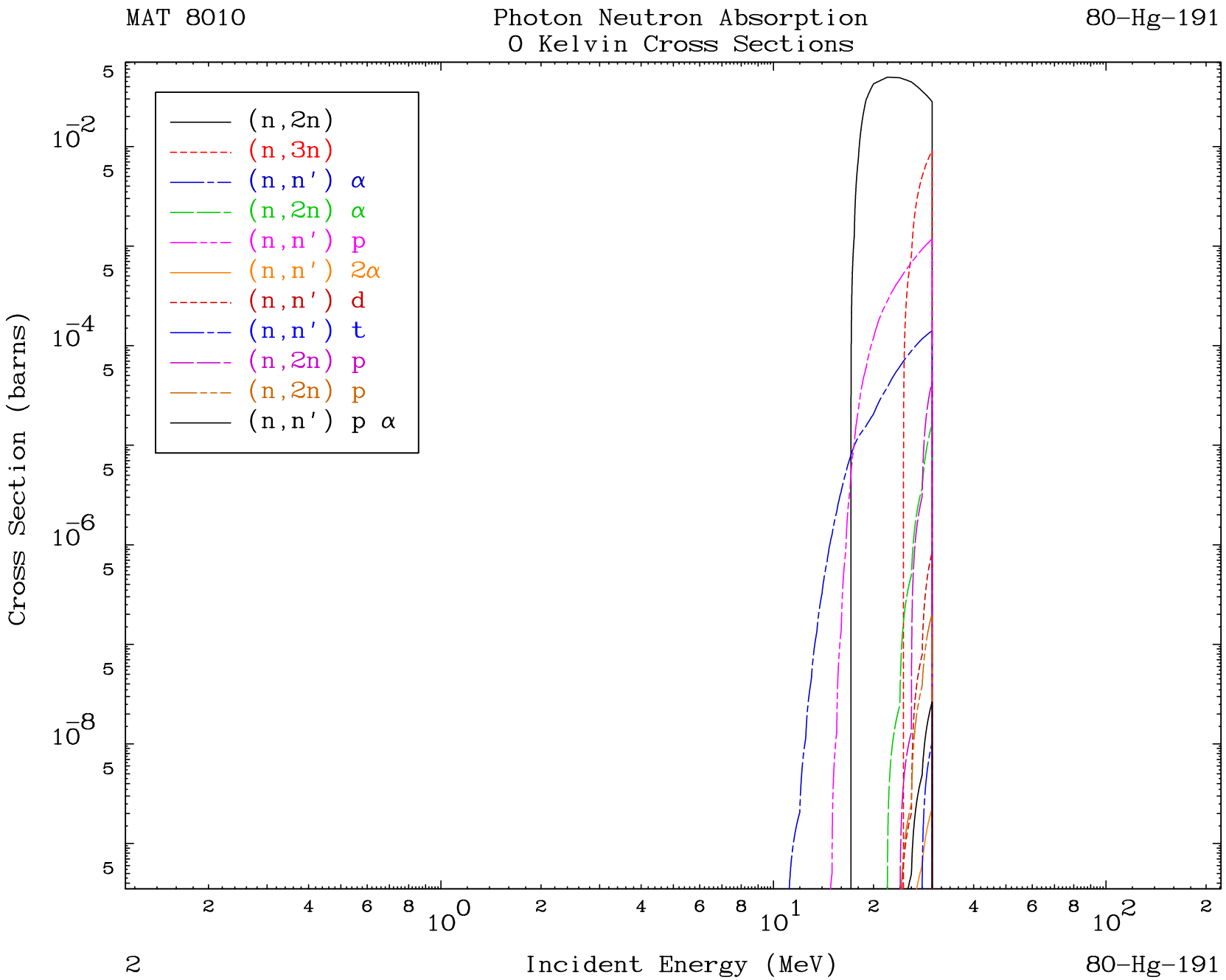
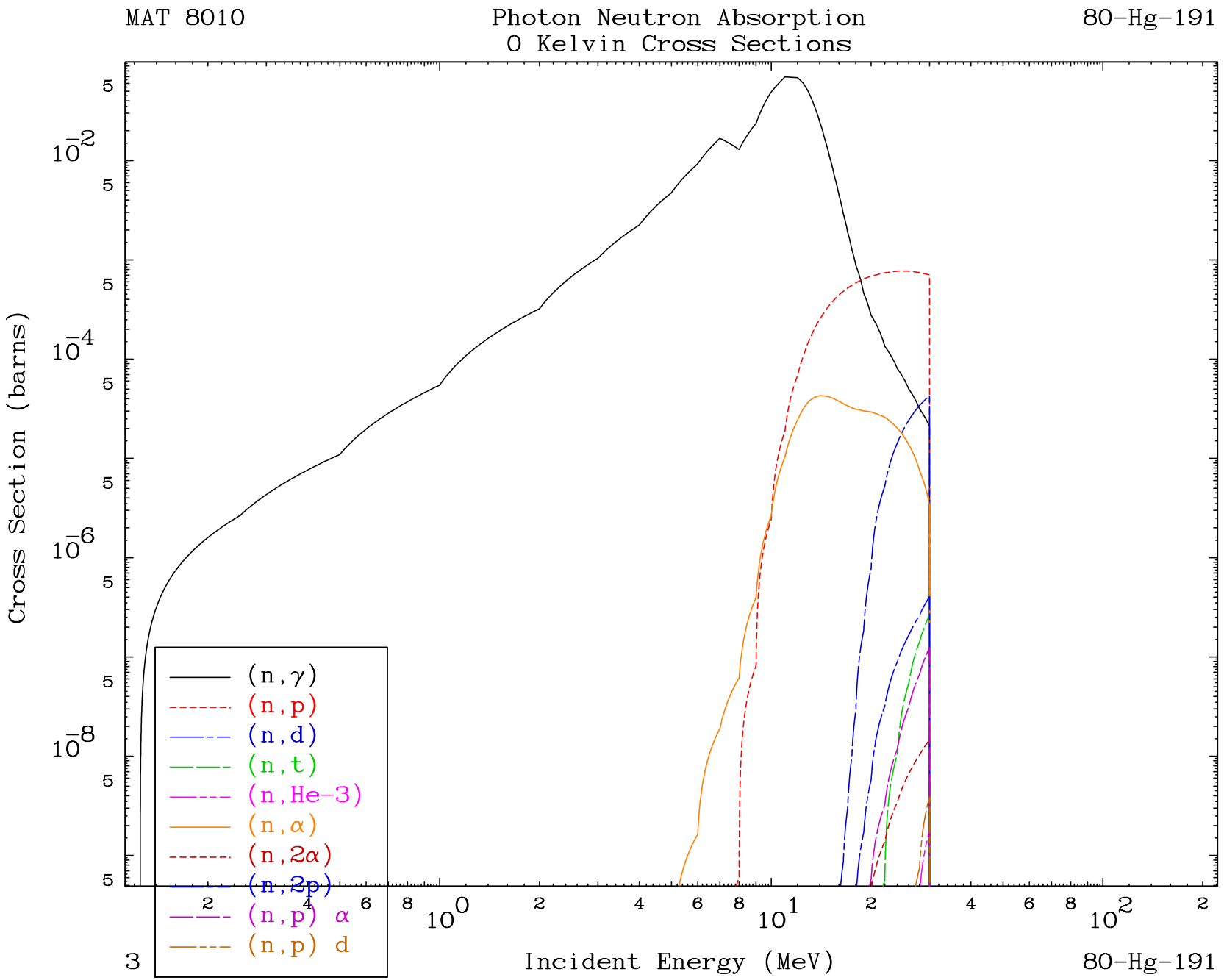
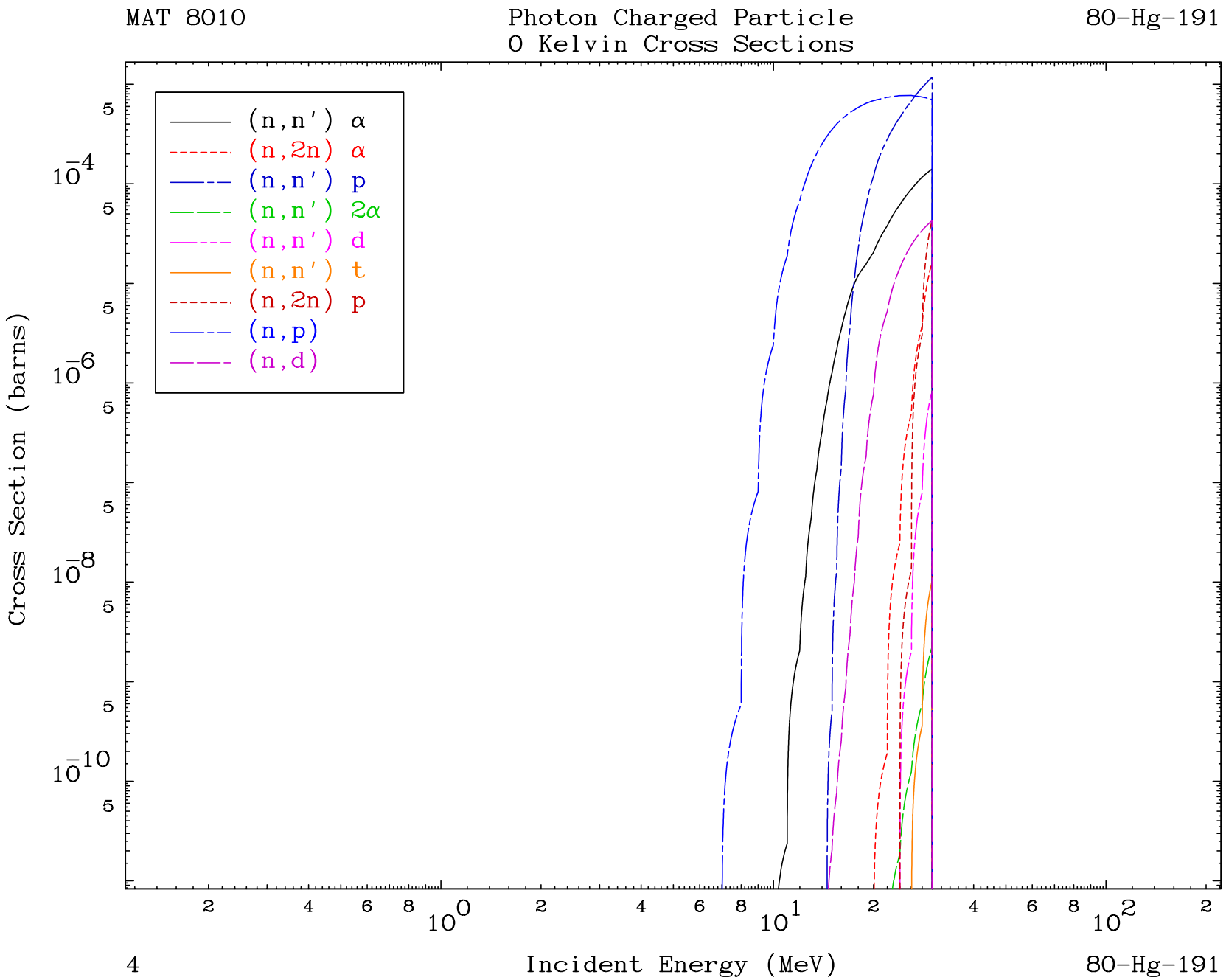
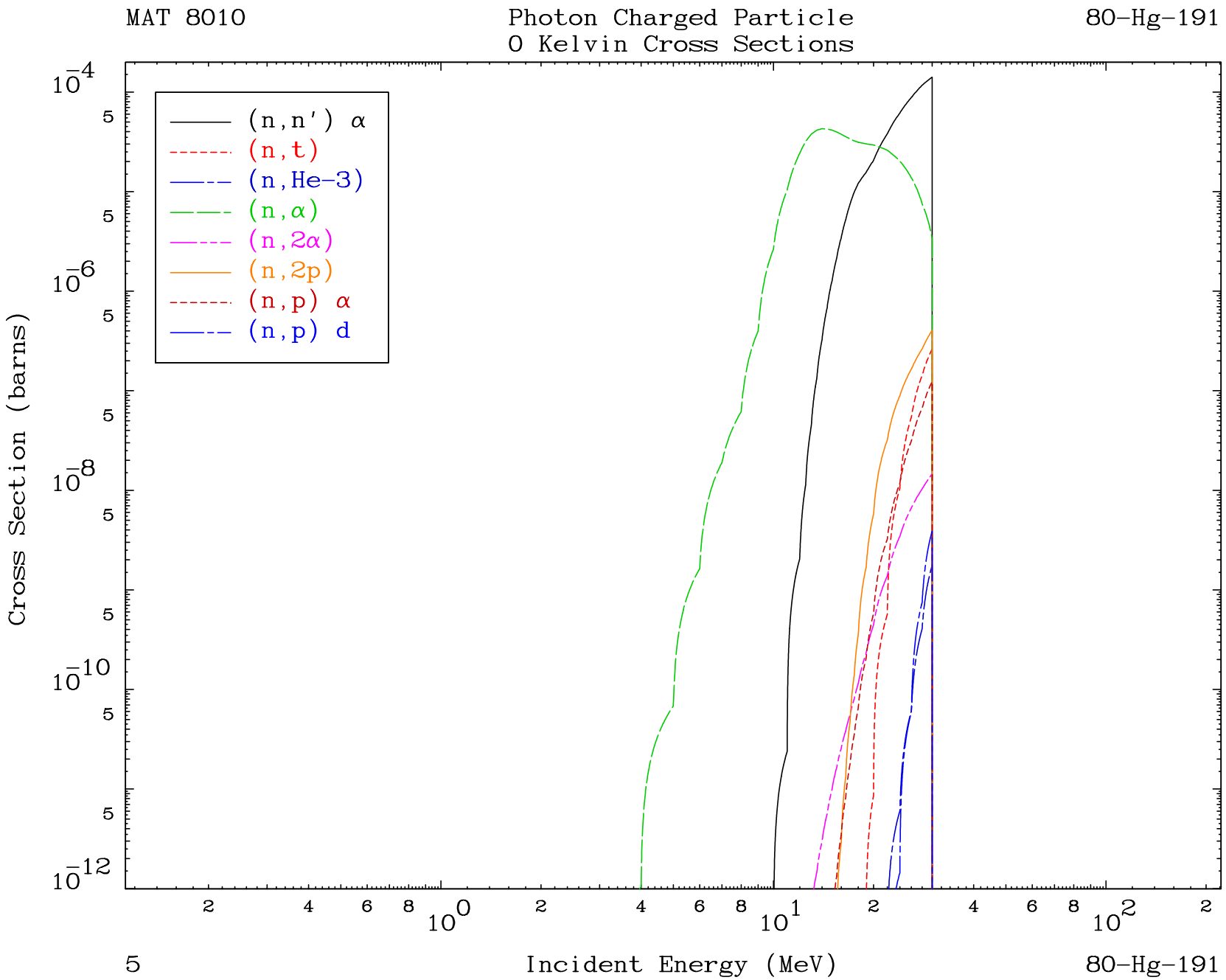
Press Mouse Button to Start

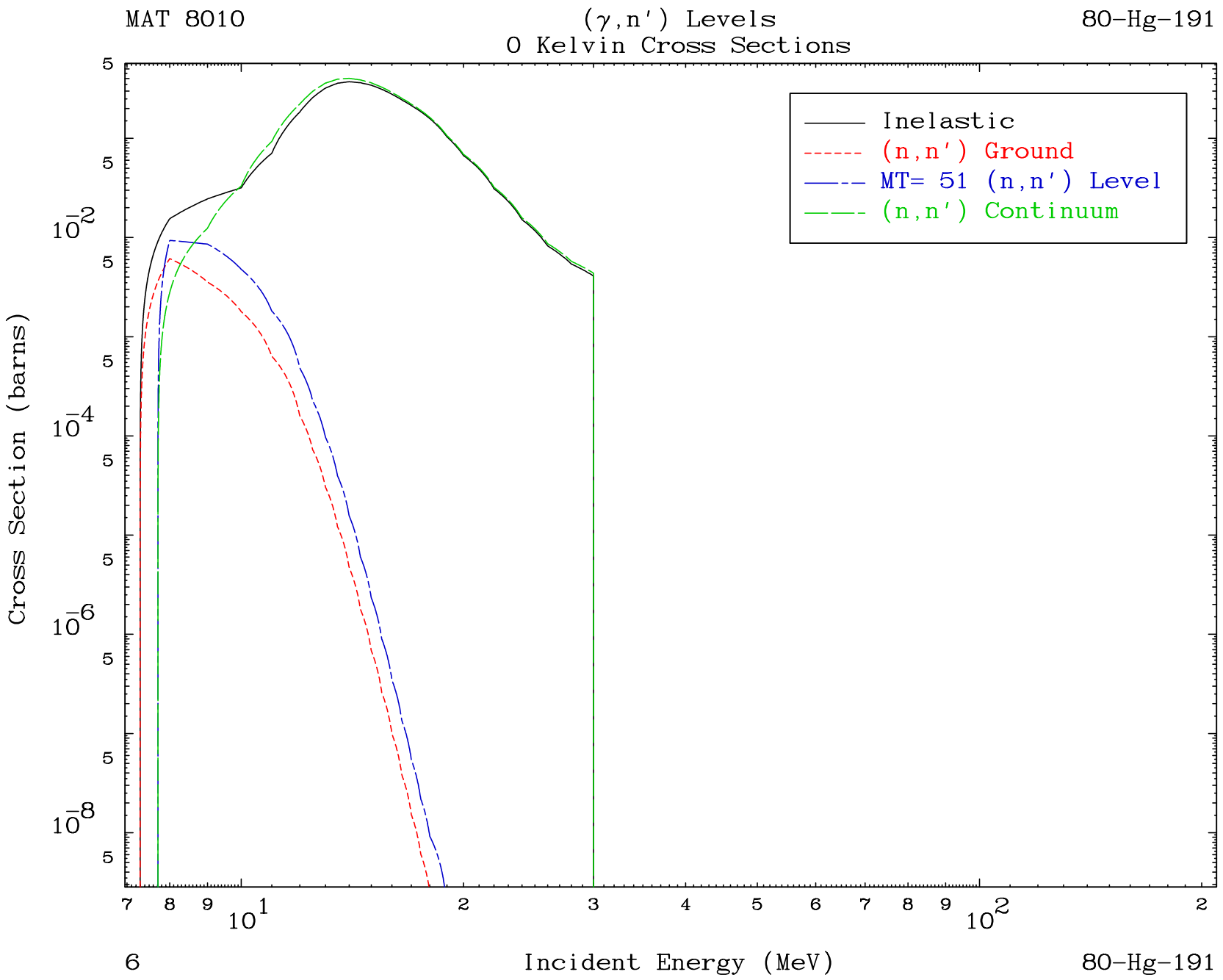

MAT 8010
Photon Major
80-Hg-191
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-191

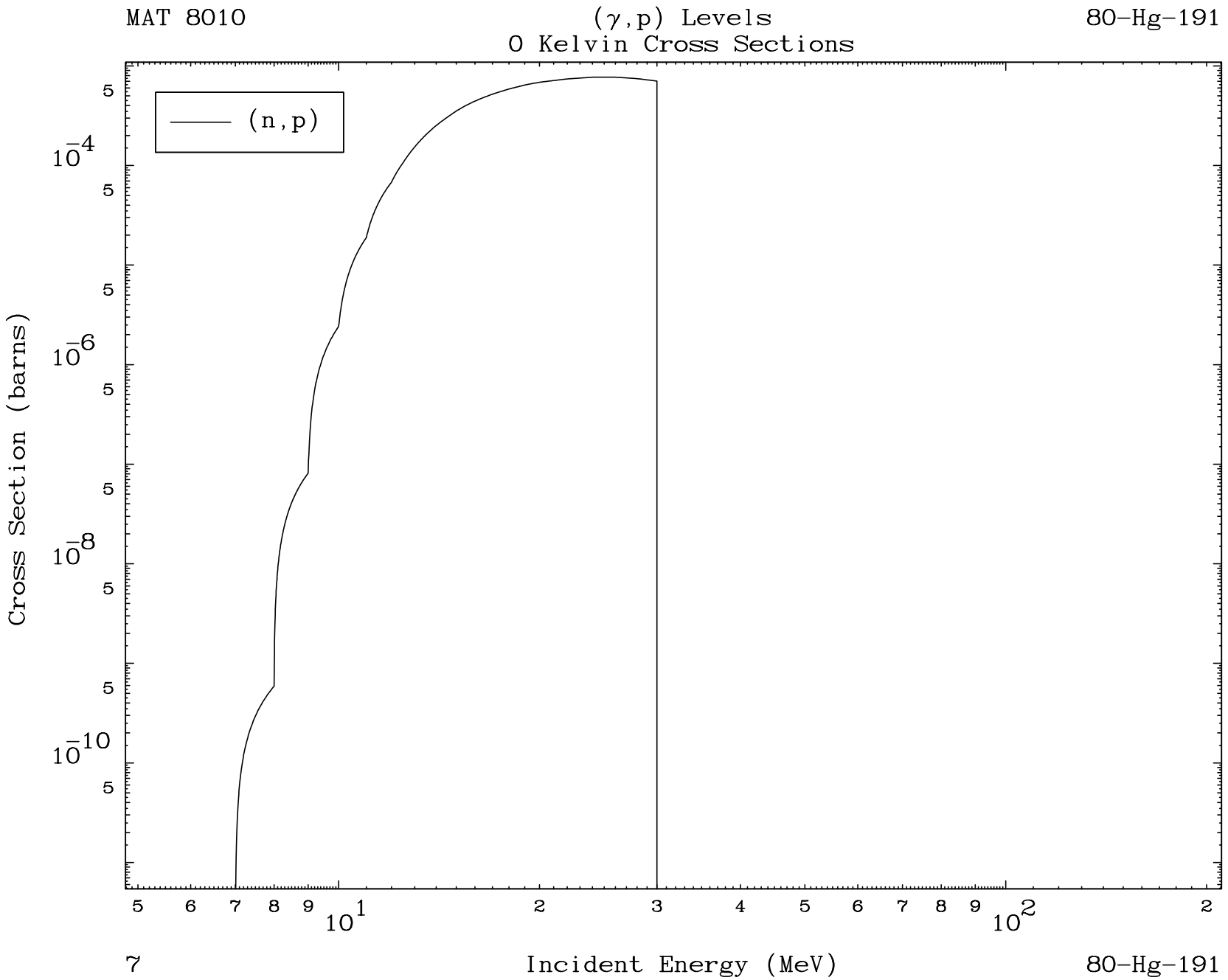

MAT 8010
Photon Neutron Absorption
0 Kelvin Cross Sections
80-Hg-191
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
80-Hg-191
2

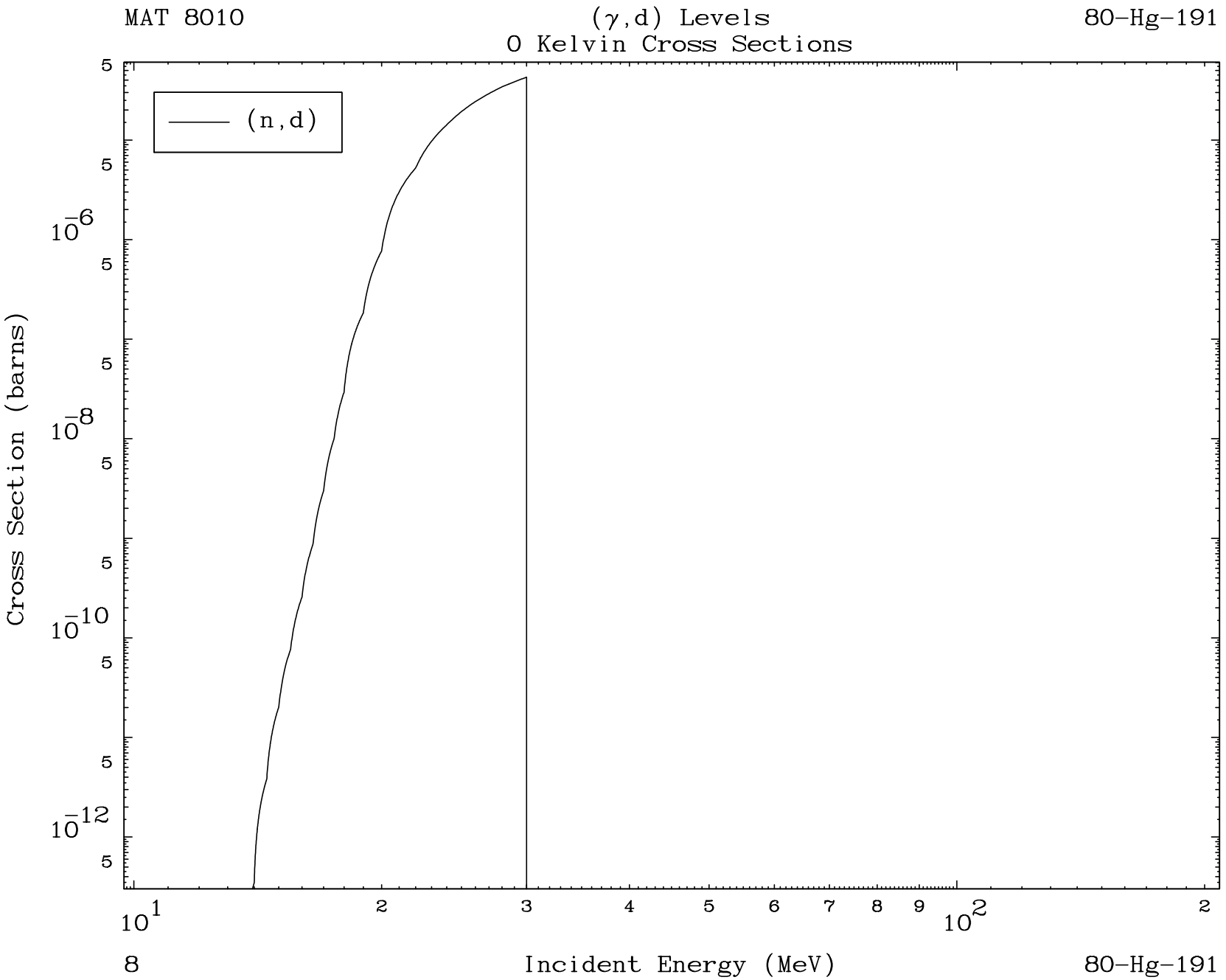

MAT 8010
Photon Neutron Absorption
0 Kelvin Cross Sections
80-Hg-191
Cross Section (barns)
Incident Energy (MeV)
80-Hg-191
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d

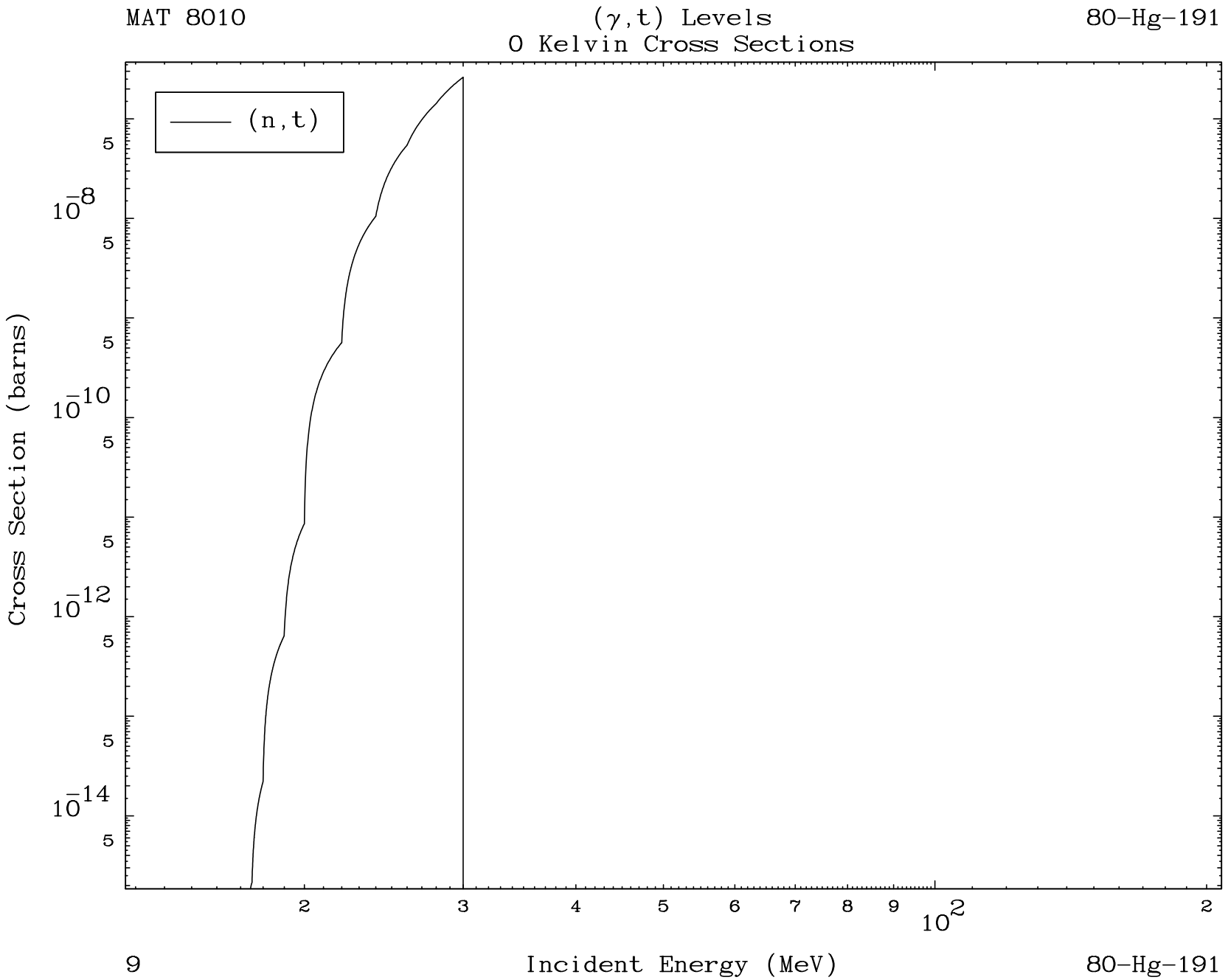

MAT 8010
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-191
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
80-Hg-191

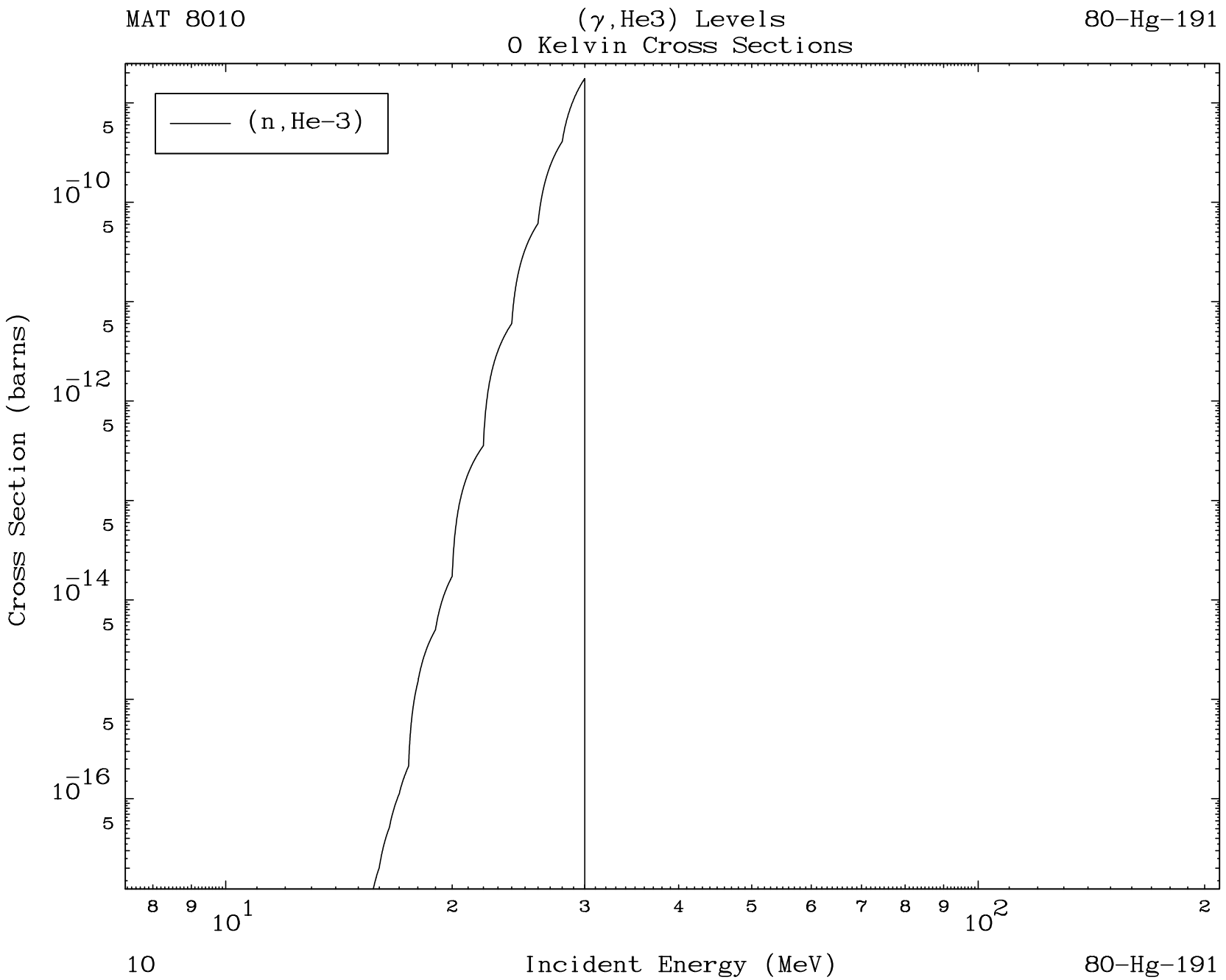

MAT 8010
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-191
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
5
80-Hg-191

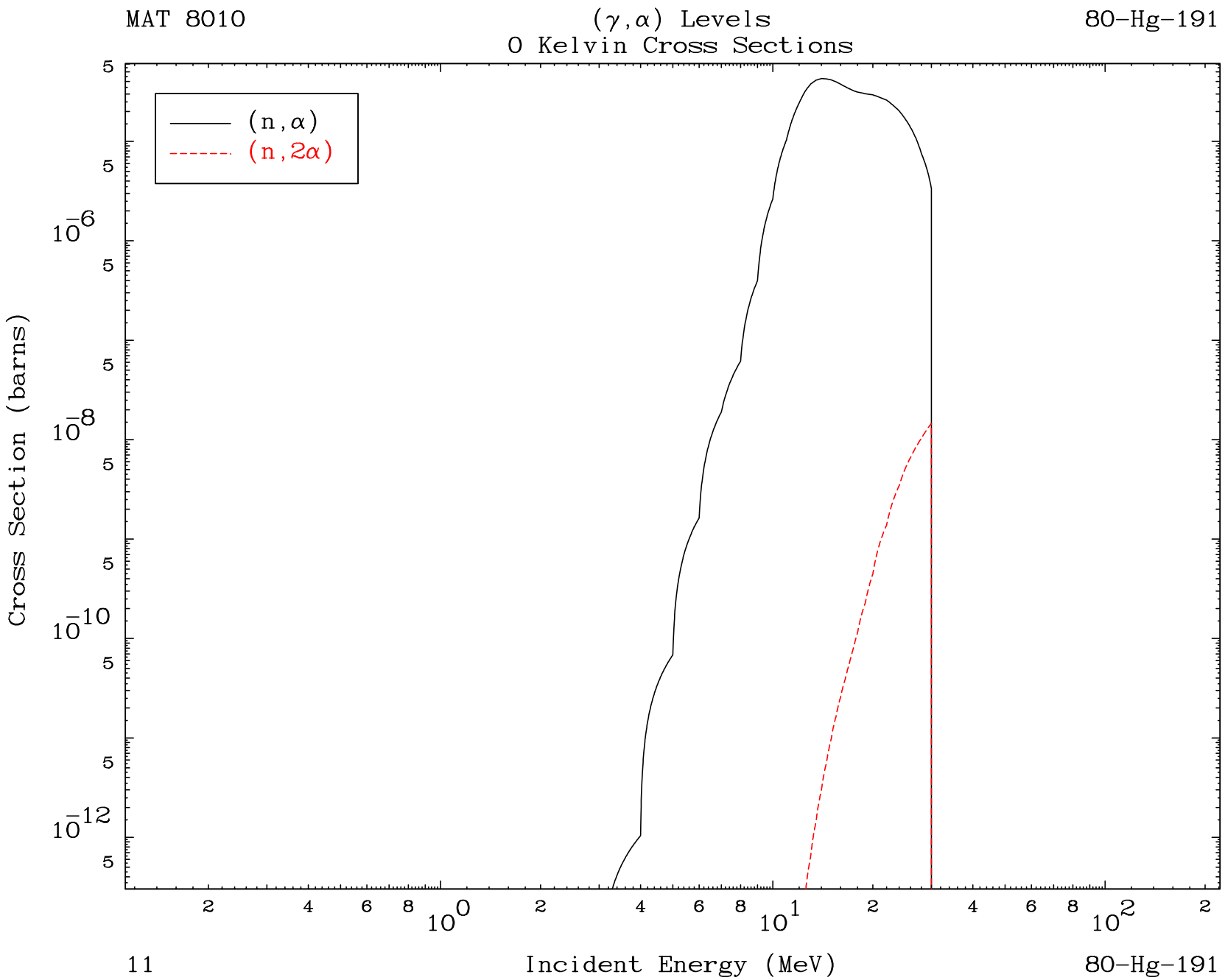

MAT 8010
(γ,n') Levels
0 Kelvin Cross Sections
80-Hg-191
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-191

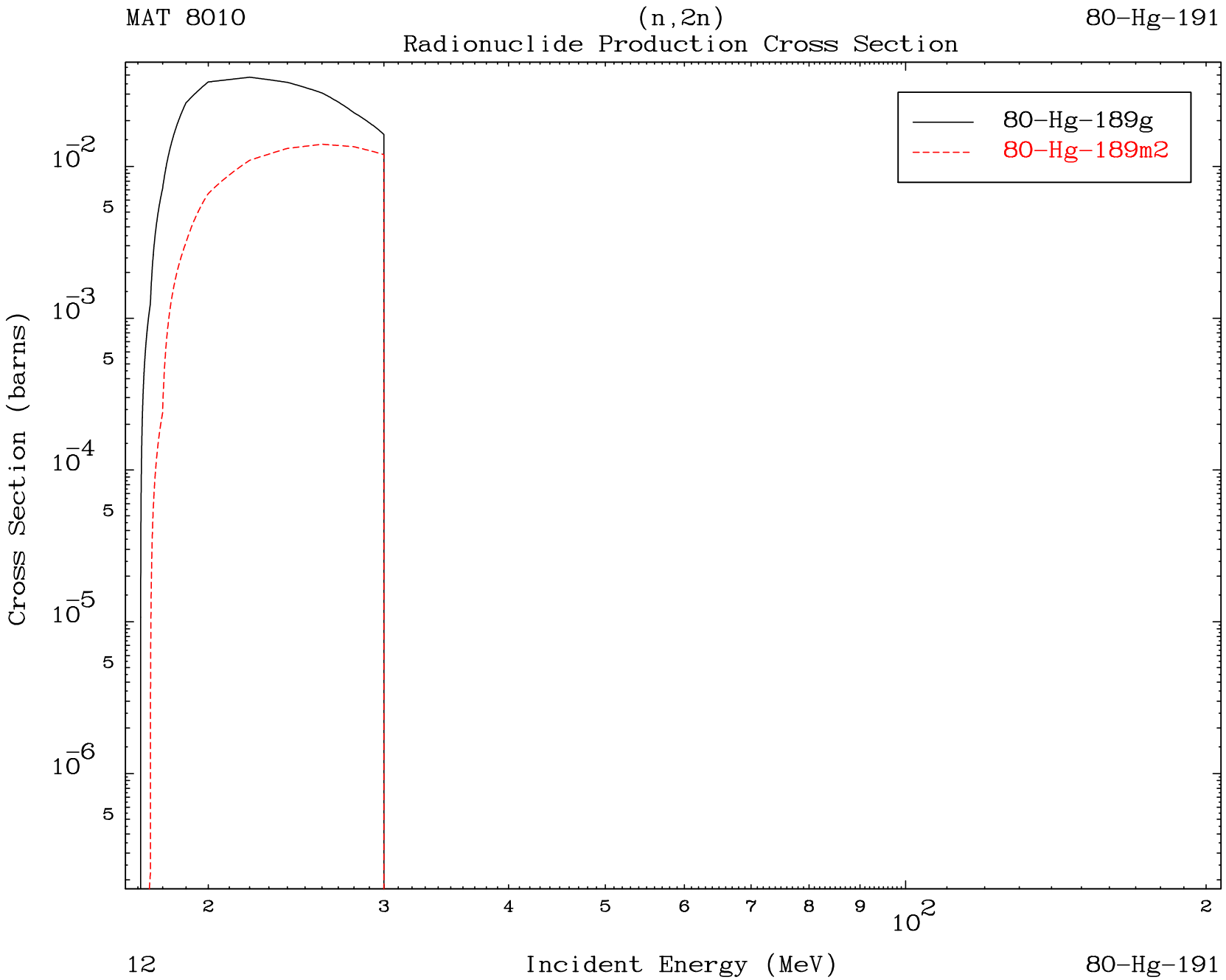

MAT 8010
(γ,p) Levels
80-Hg-191
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
80-Hg-191

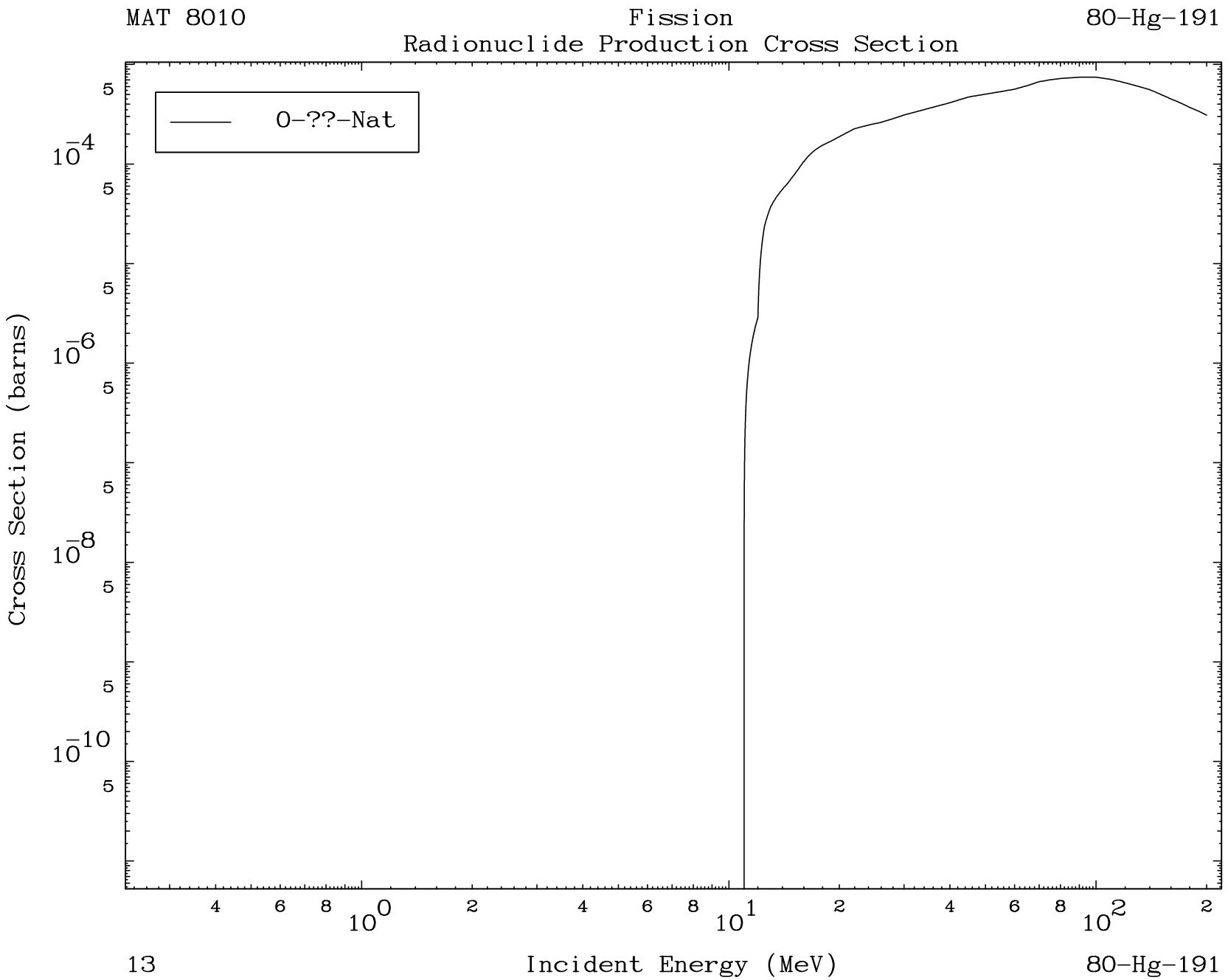

MAT 8010
(γ,d) Levels
80-Hg-191
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
80-Hg-191

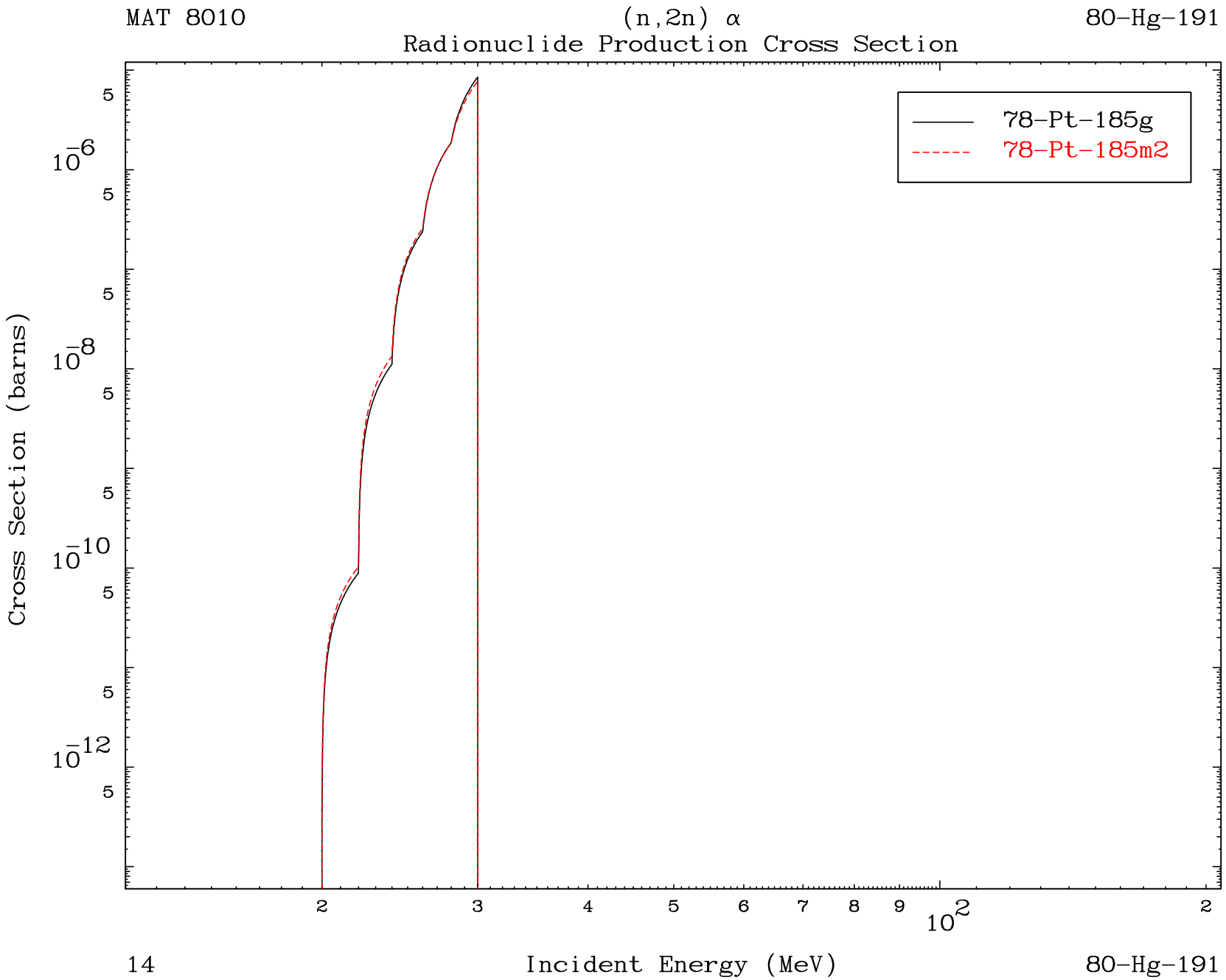

MAT 8010
(γ,t) Levels
80-Hg-191
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
80-Hg-191

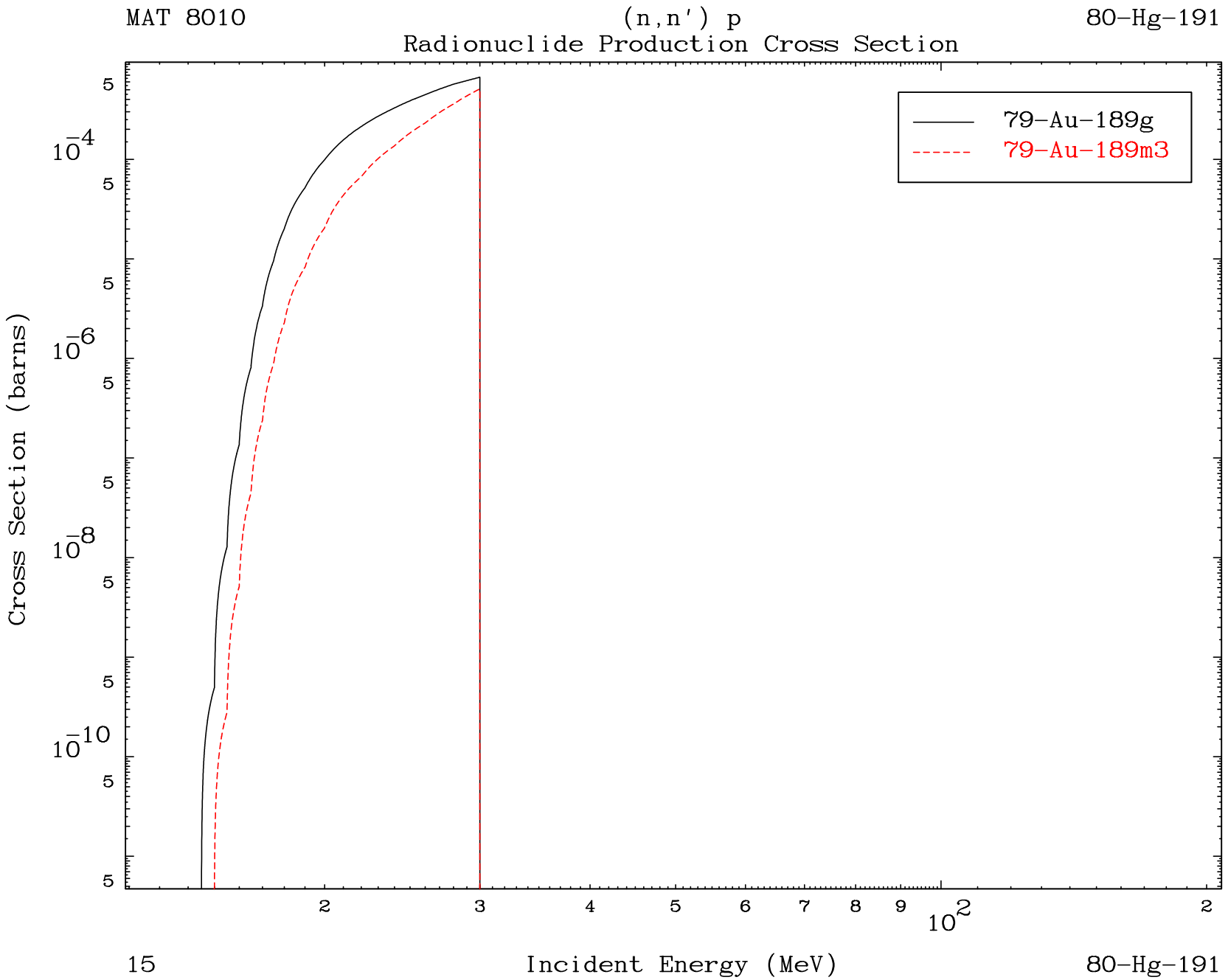

MAT 8010
(γ,He3) Levels
80-Hg-191
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-191

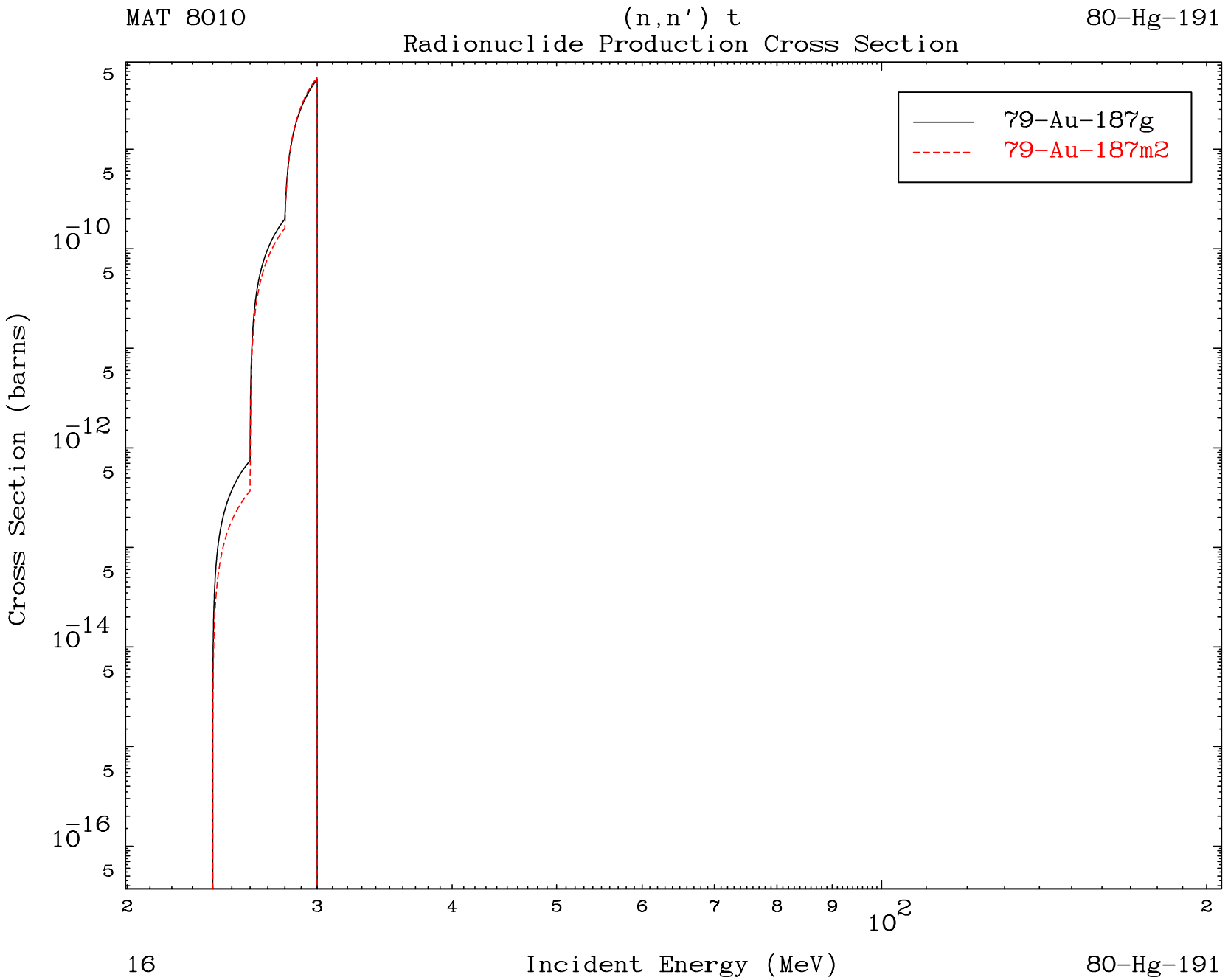

MAT 8010
(γ,α) Levels
80-Hg-191
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-191

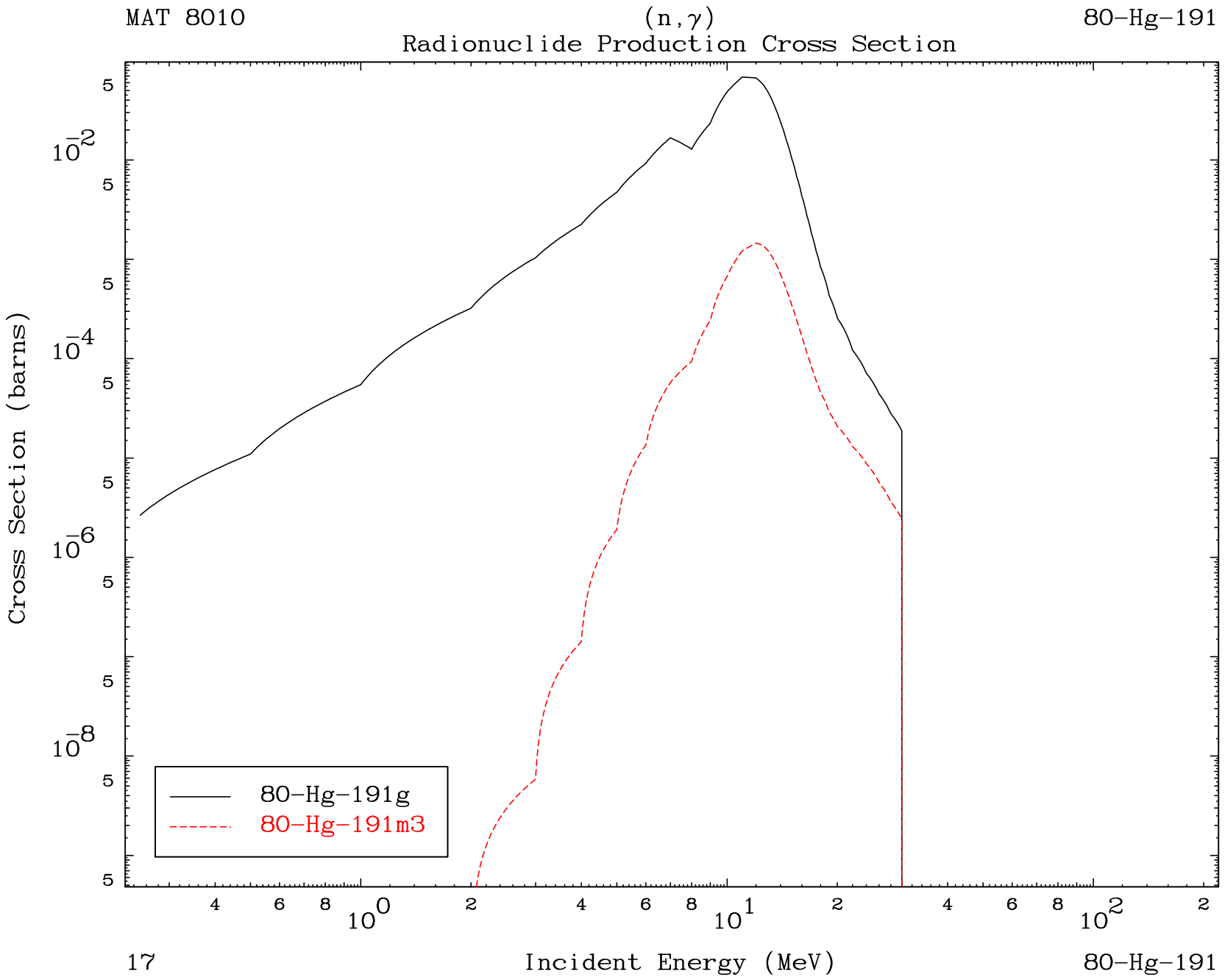

MAT 8010
(n,2n)
80-Hg-191
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
12
80-Hg-191

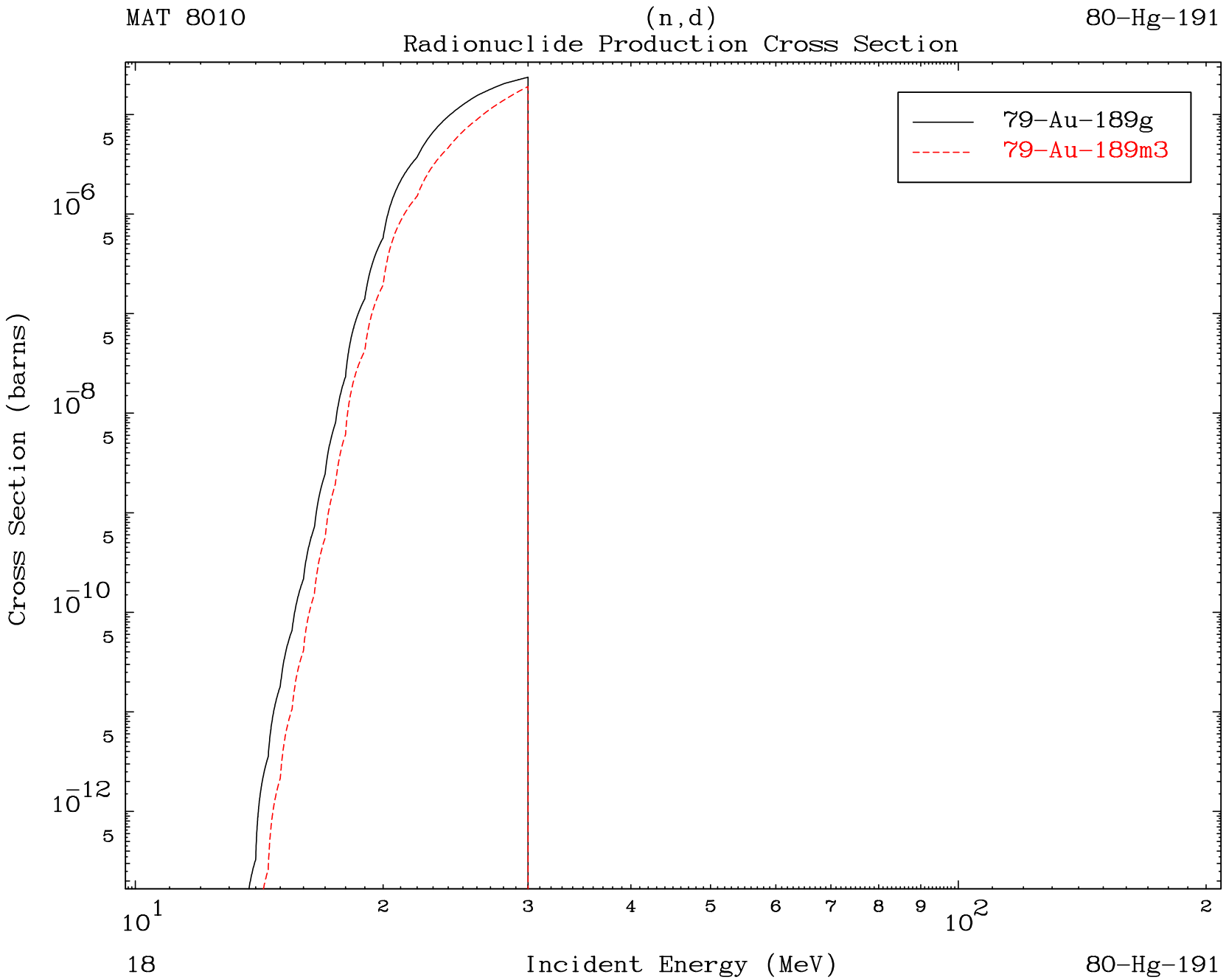

MAT 8010
Fission
80-Hg-191
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
80-Hg-191

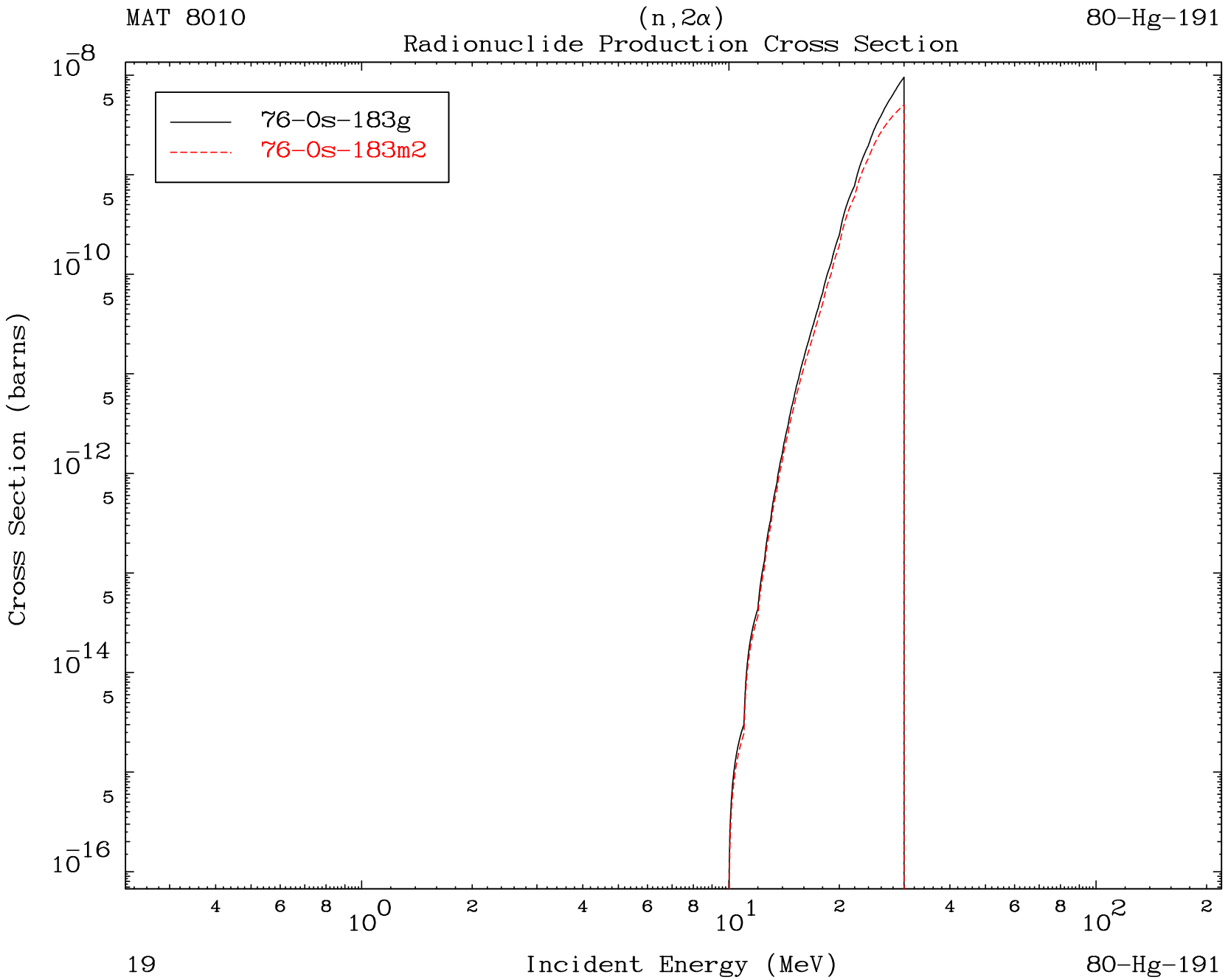

MAT 8010
(n,2n) α
80-Hg-191
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
80-Hg-191

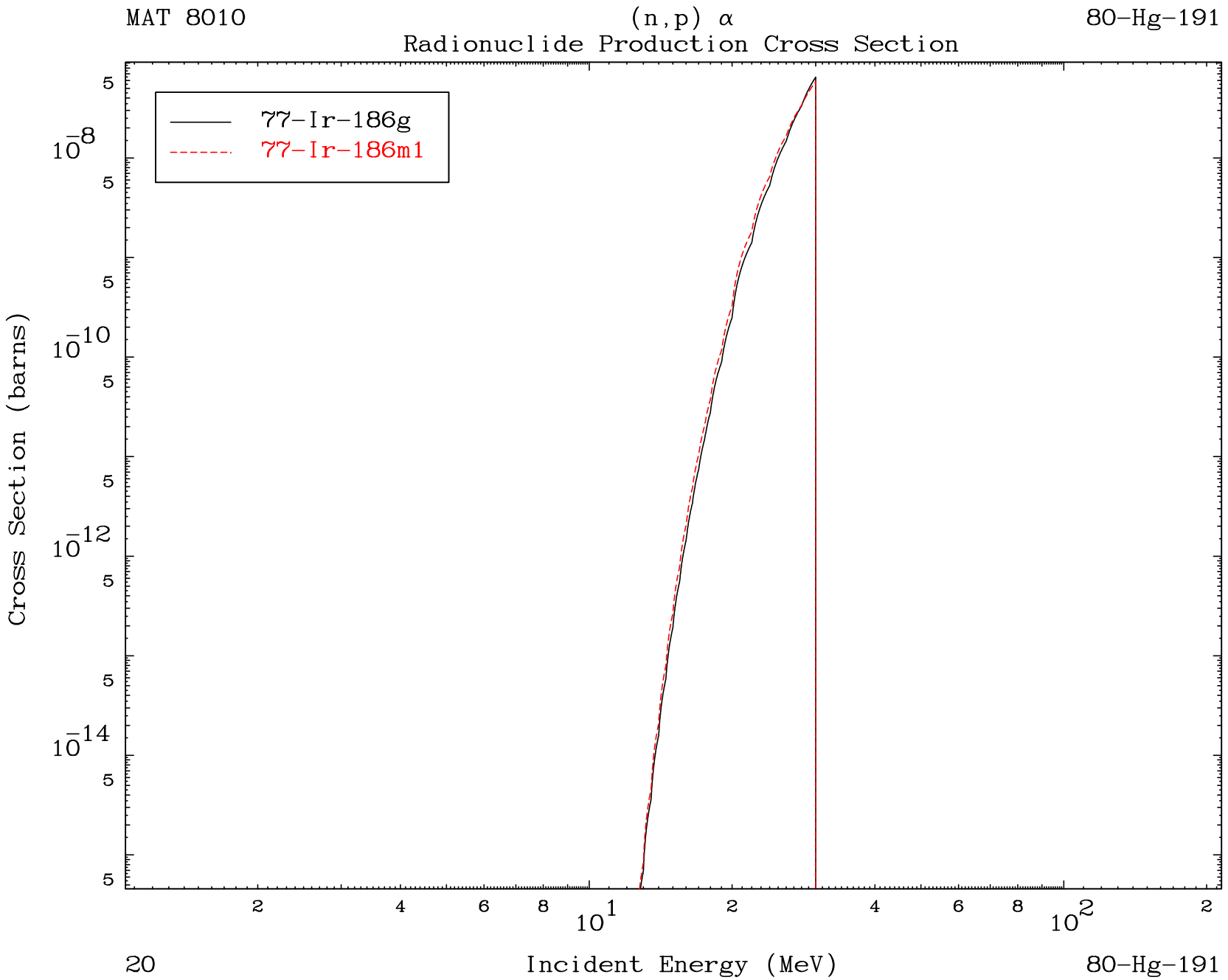

MAT 8010
(n,n') p
80-Hg-191
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
15
80-Hg-191


MAT 8010
(n,n') t
80-Hg-191
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
16
80-Hg-191


MAT 8010
(n,γ)
80-Hg-191
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
80-Hg-191g
80-Hg-191m3
17
Incident Energy (MeV)
80-Hg-191


MAT 8010
(n,d)
80-Hg-191
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
18
80-Hg-191


MAT 8010
(n,2α)
80-Hg-191
Radionuclide Production Cross Section
76-0s-183g
76-0s-183m2
Cross Section (barns)
Incident Energy (MeV)
19
80-Hg-191


MAT 8010
(n,p) α
80-Hg-191
Radionuclide Production Cross Section
77-Ir-186g
77-Ir-186m1
Cross Section (barns)
Incident Energy (MeV)
20
80-Hg-191