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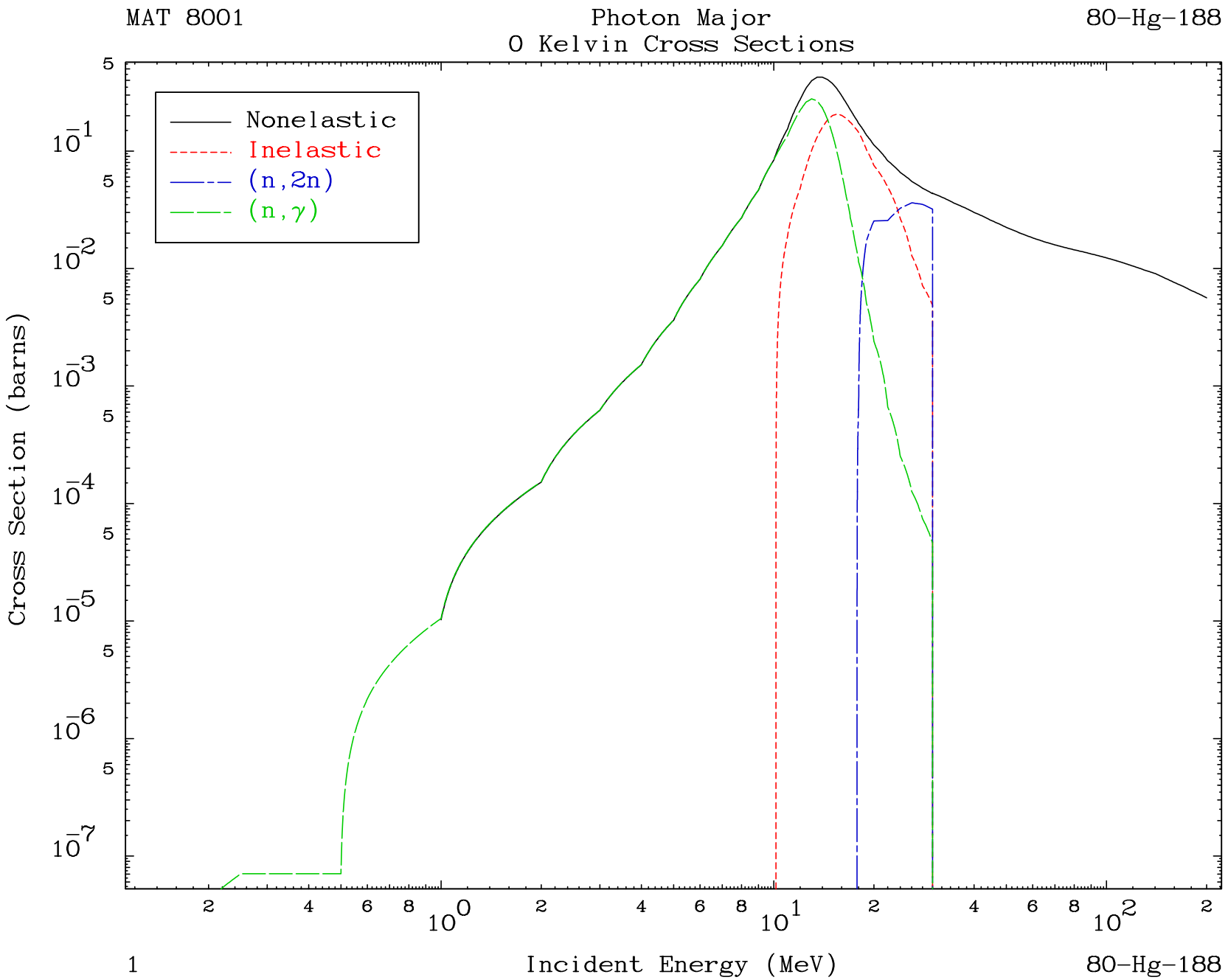
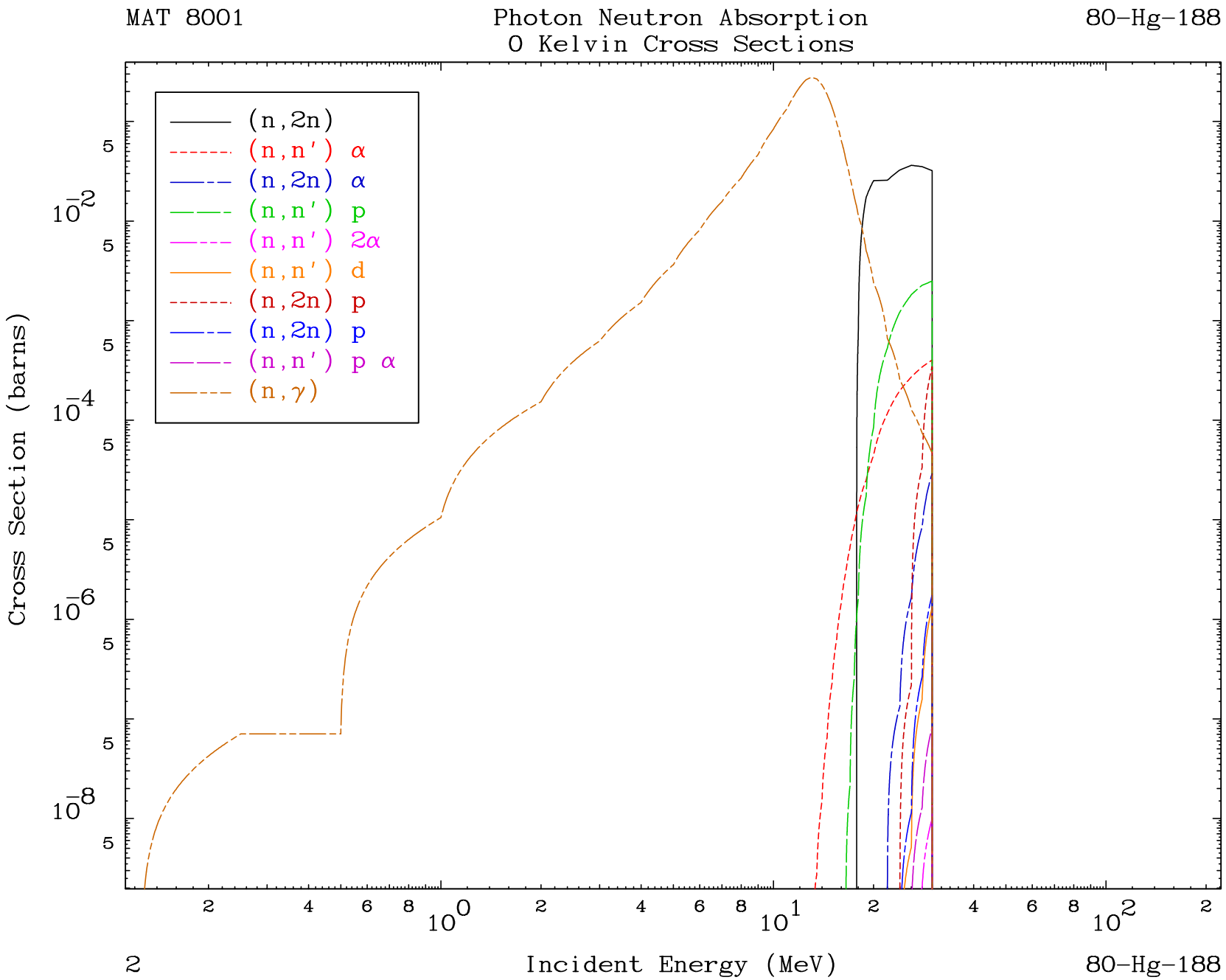
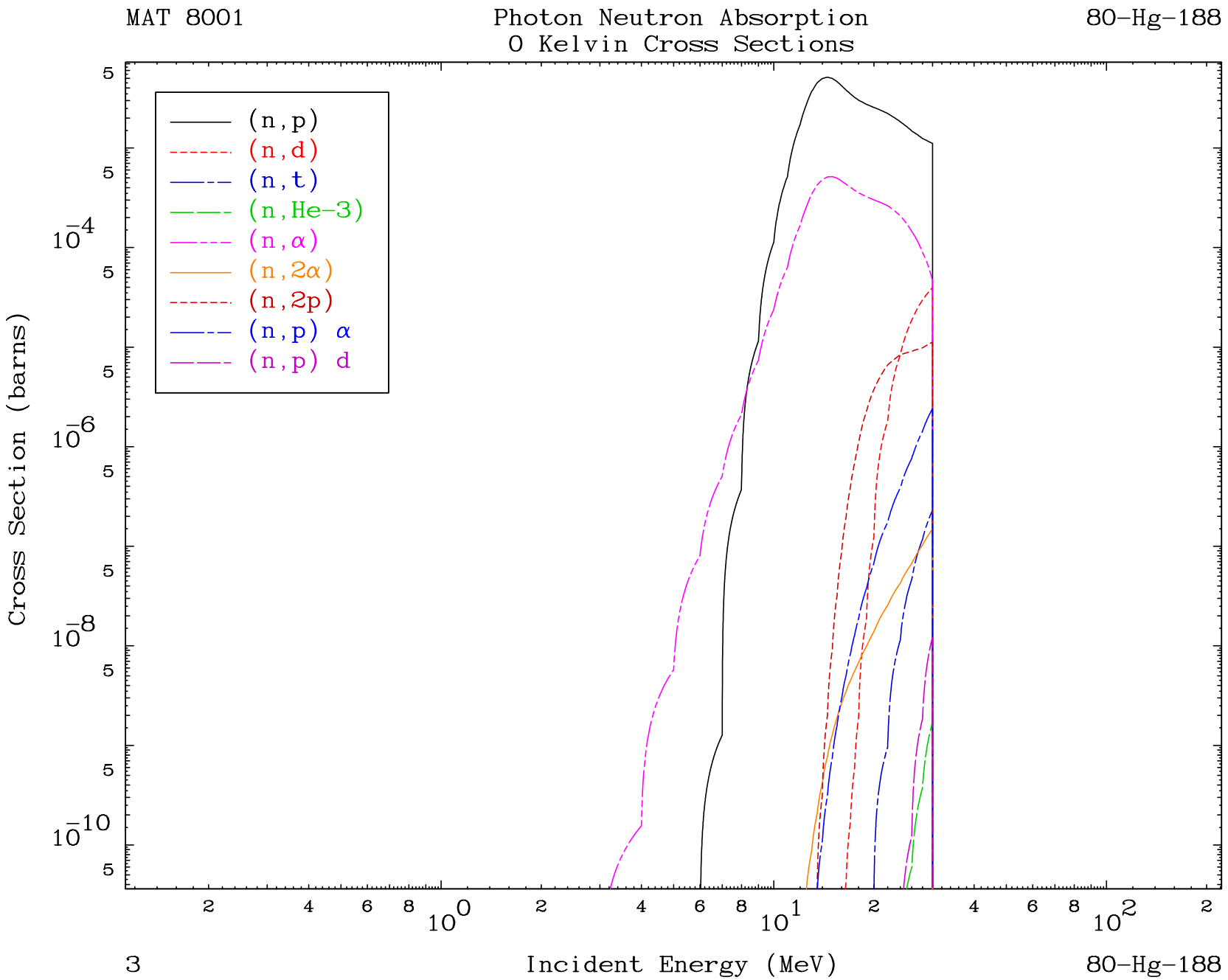
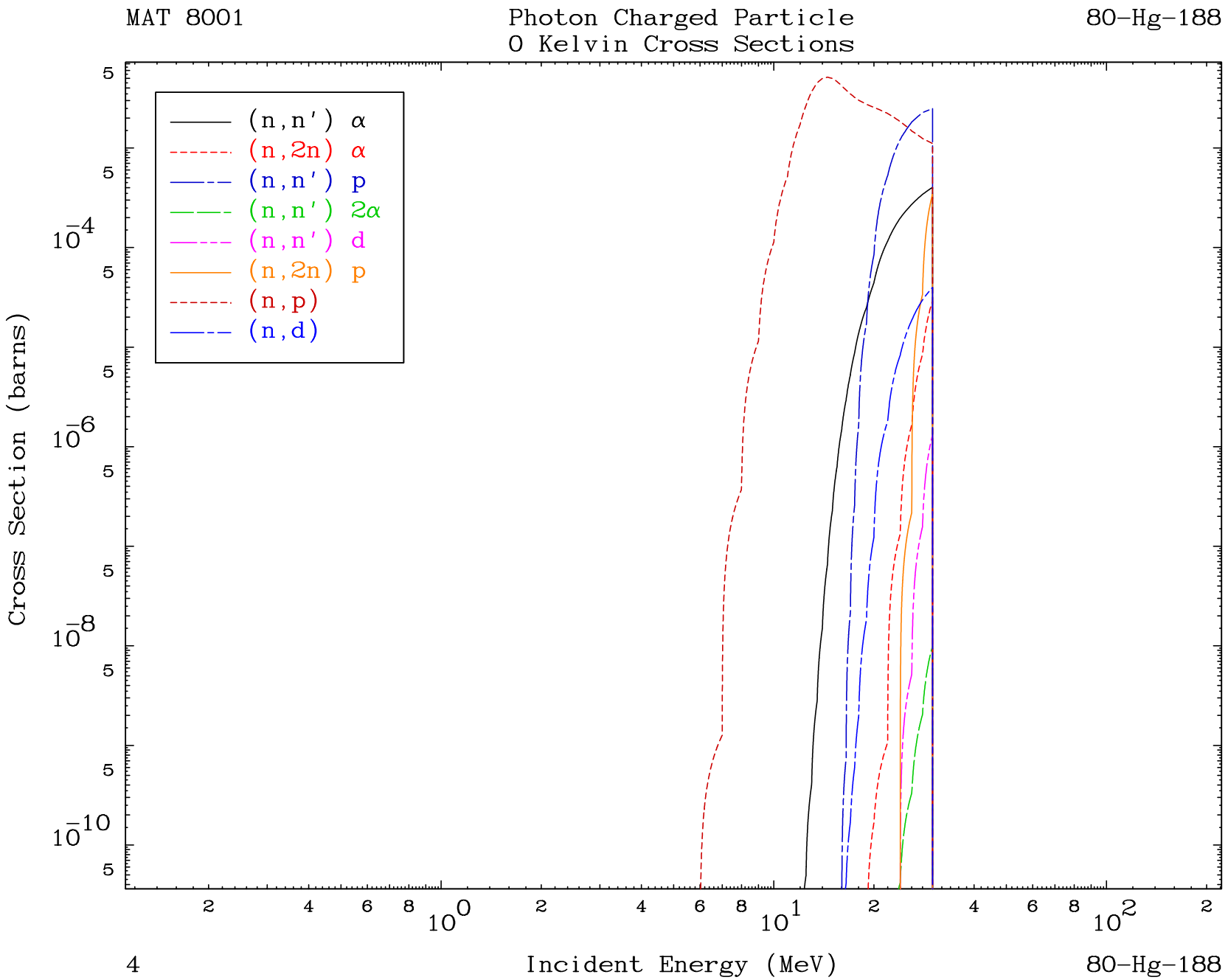
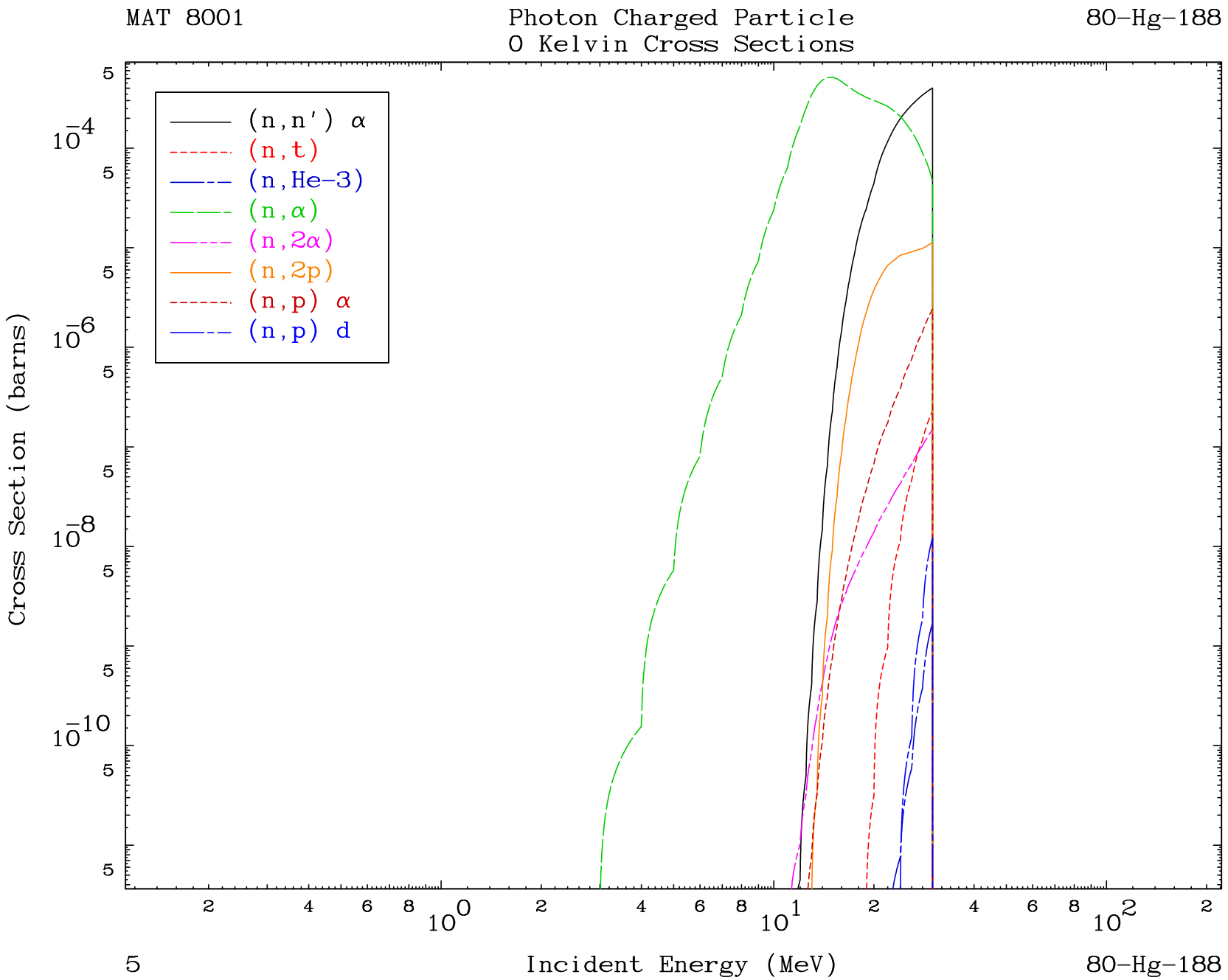
Press Mouse Button to Start

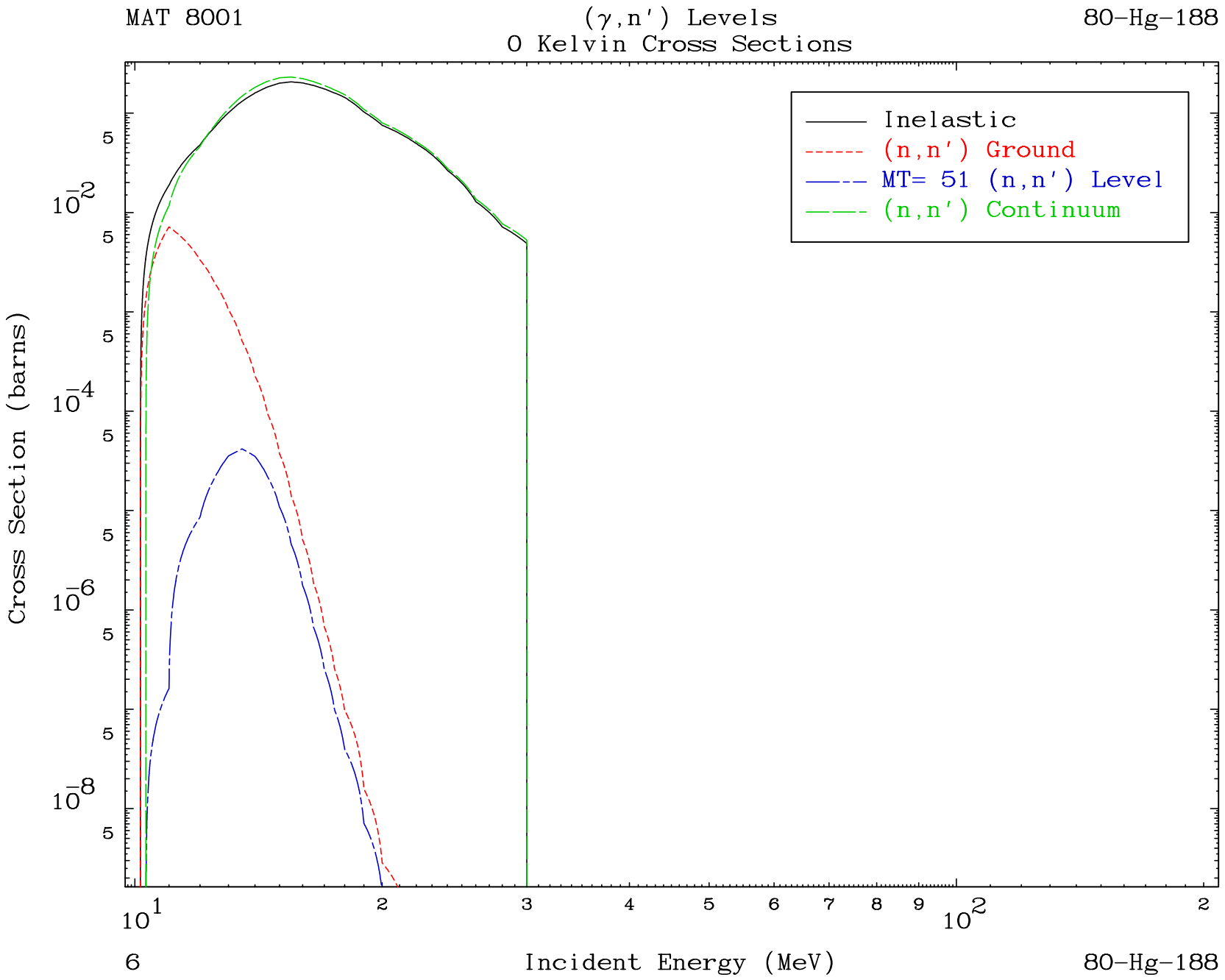

MAT 8001
Photon Major
80-Hg-188
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-188
1

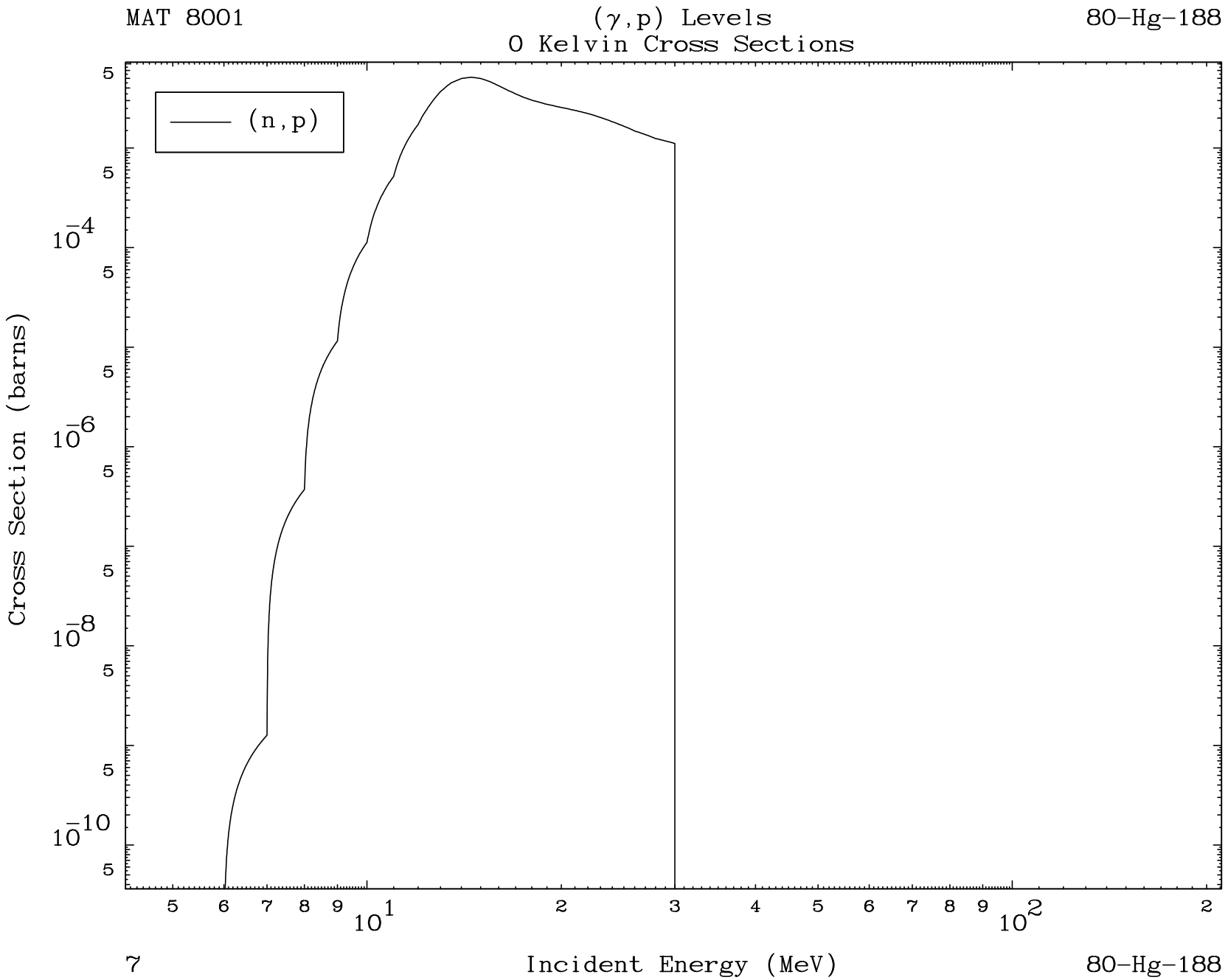

MAT 8001
Photon Neutron Absorption
0 Kelvin Cross Sections
80-Hg-188
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
80-Hg-188

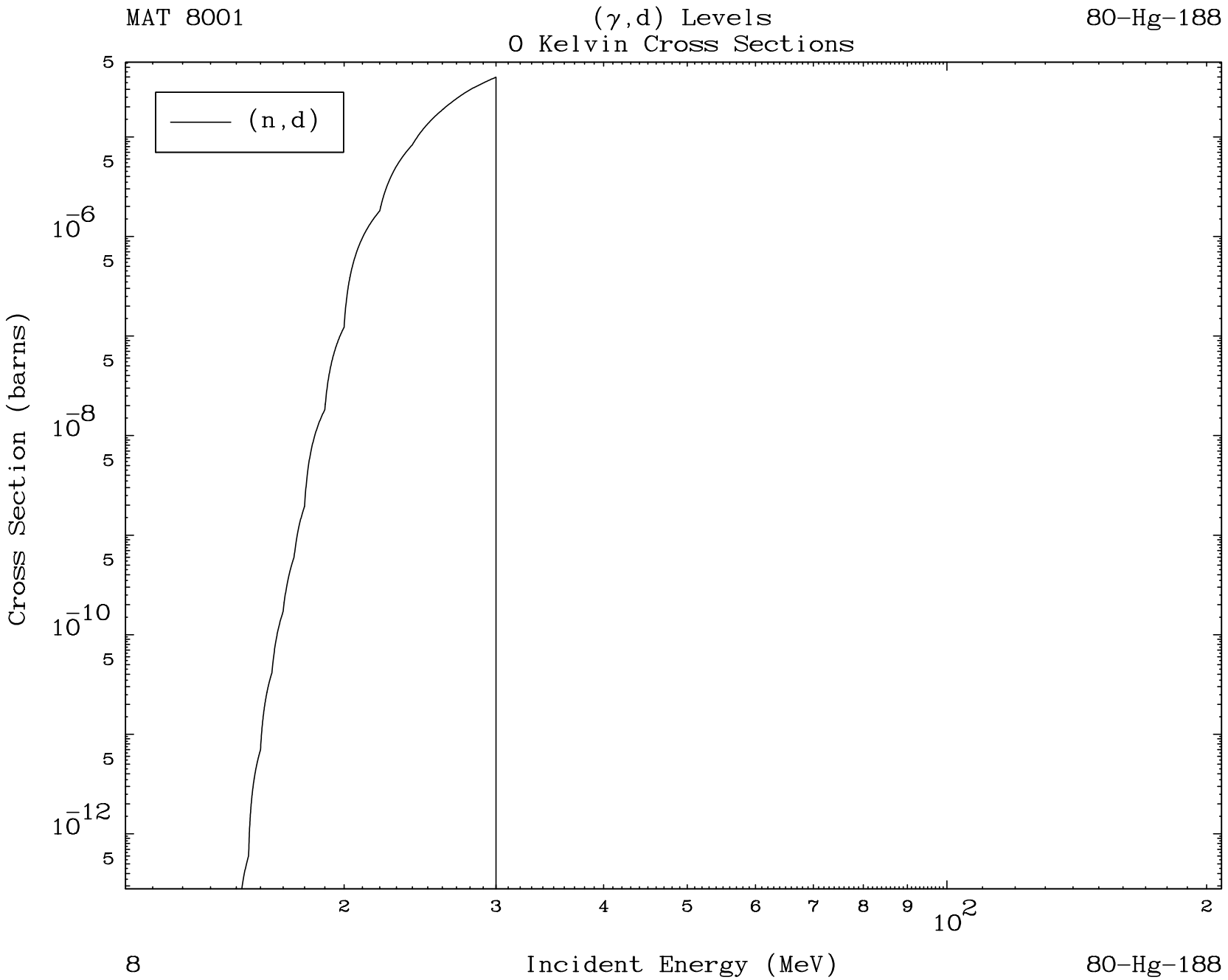

MAT 8001
Photon Neutron Absorption
0 Kelvin Cross Sections
80-Hg-188
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-188

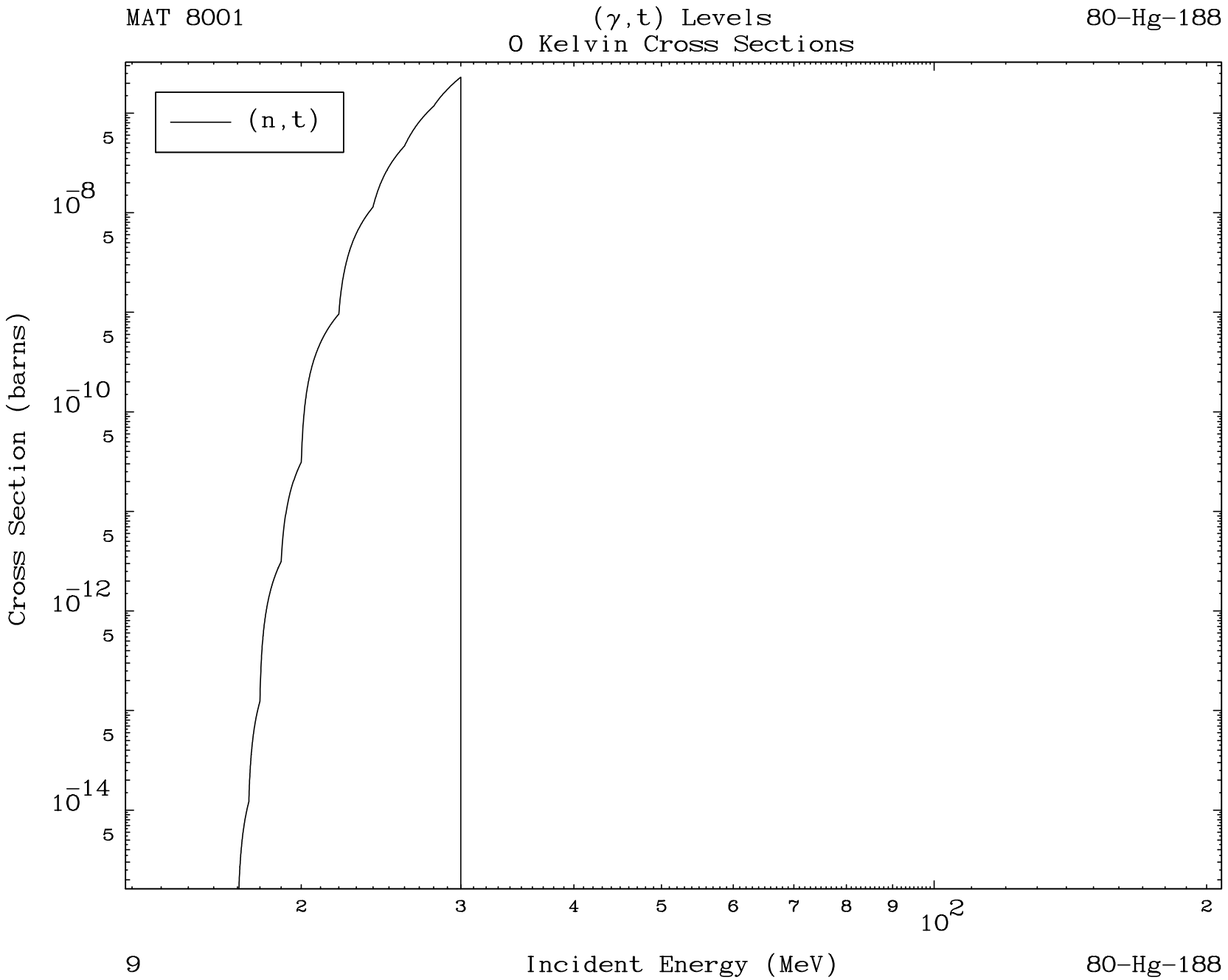

MAT 8001
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-188
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-188

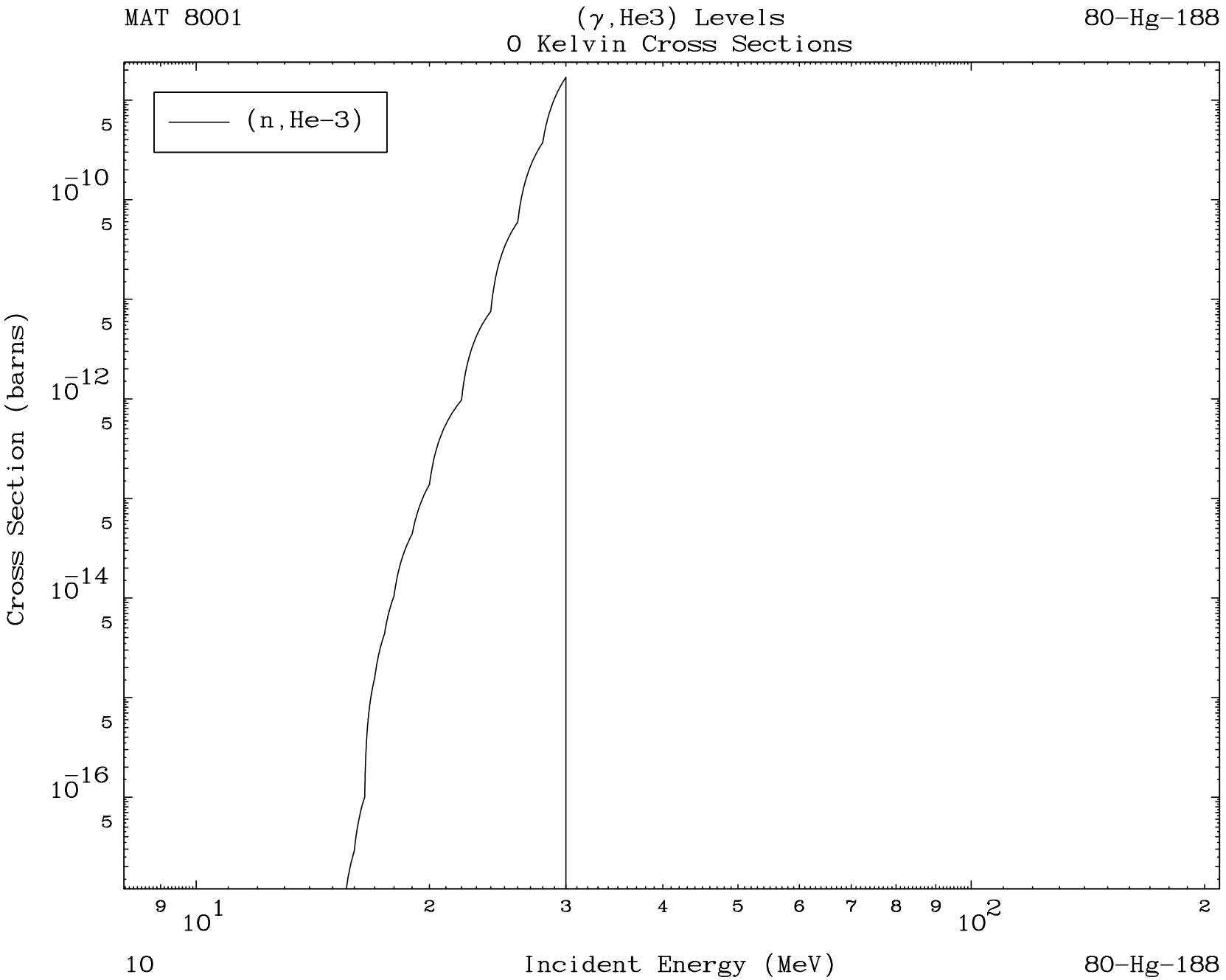

MAT 8001
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-188
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
80-Hg-188

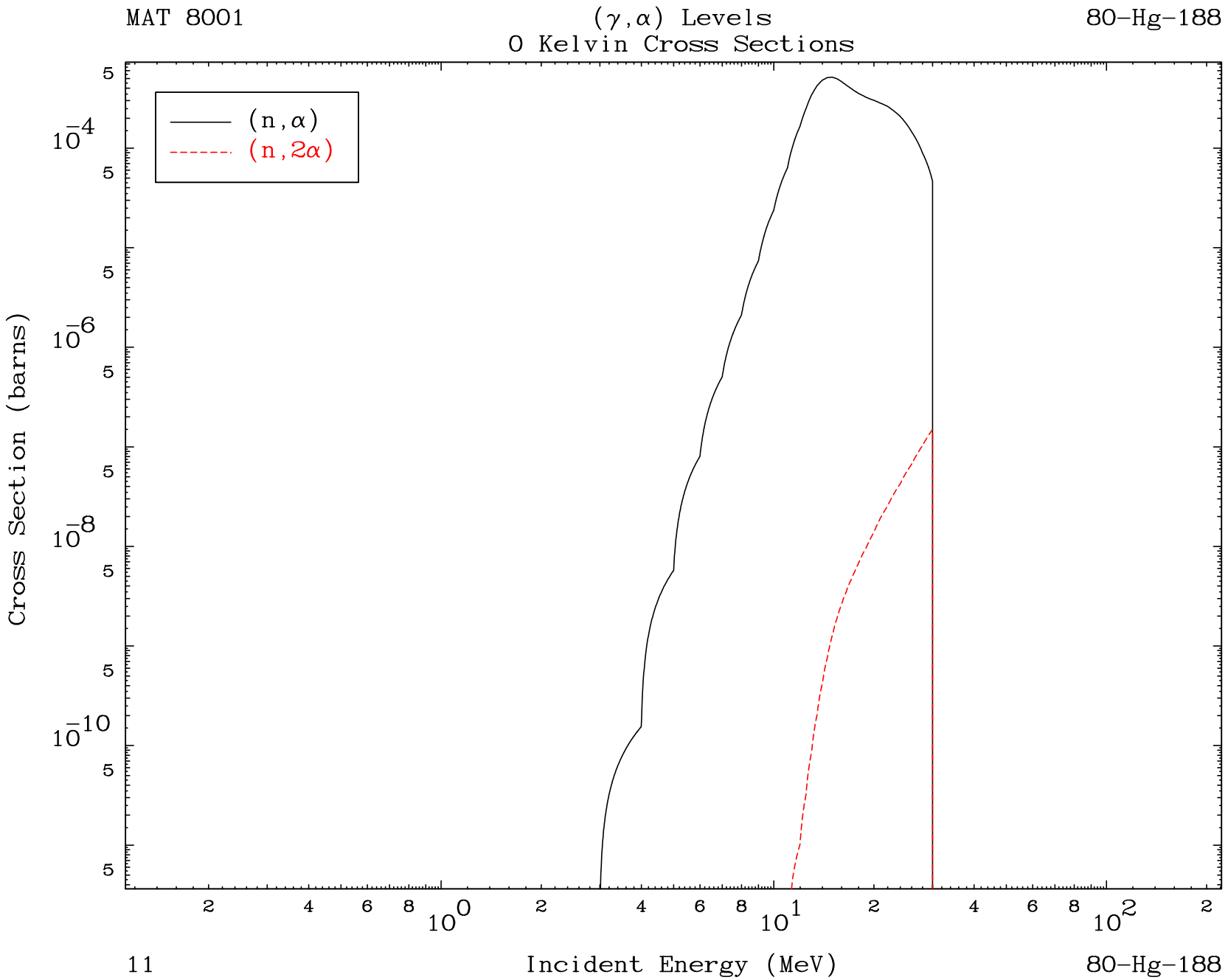

MAT 8001
(γ,n') Levels
0 Kelvin Cross Sections
80-Hg-188
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
80-Hg-188
6

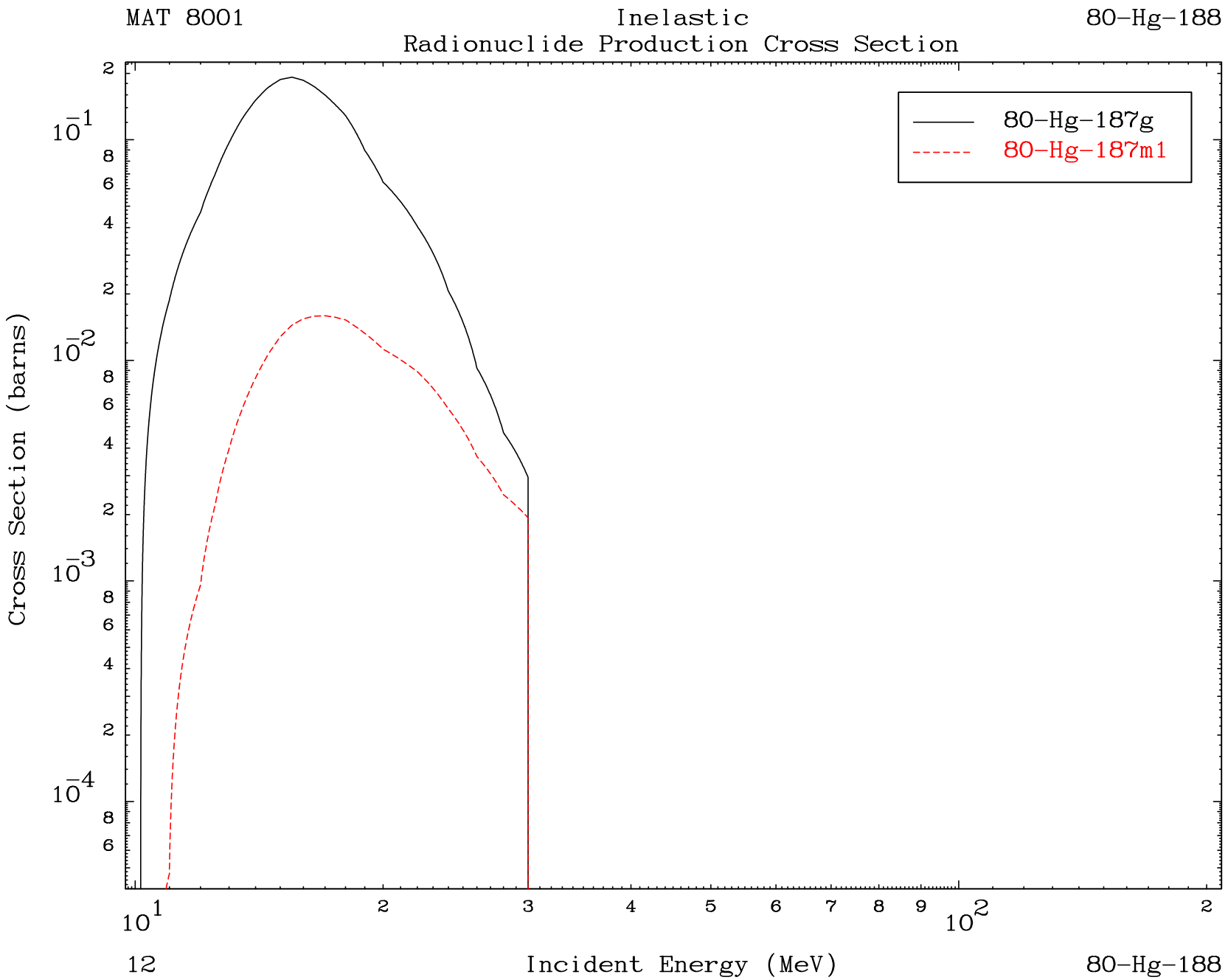

MAT 8001
(γ,p) Levels
80-Hg-188
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-188

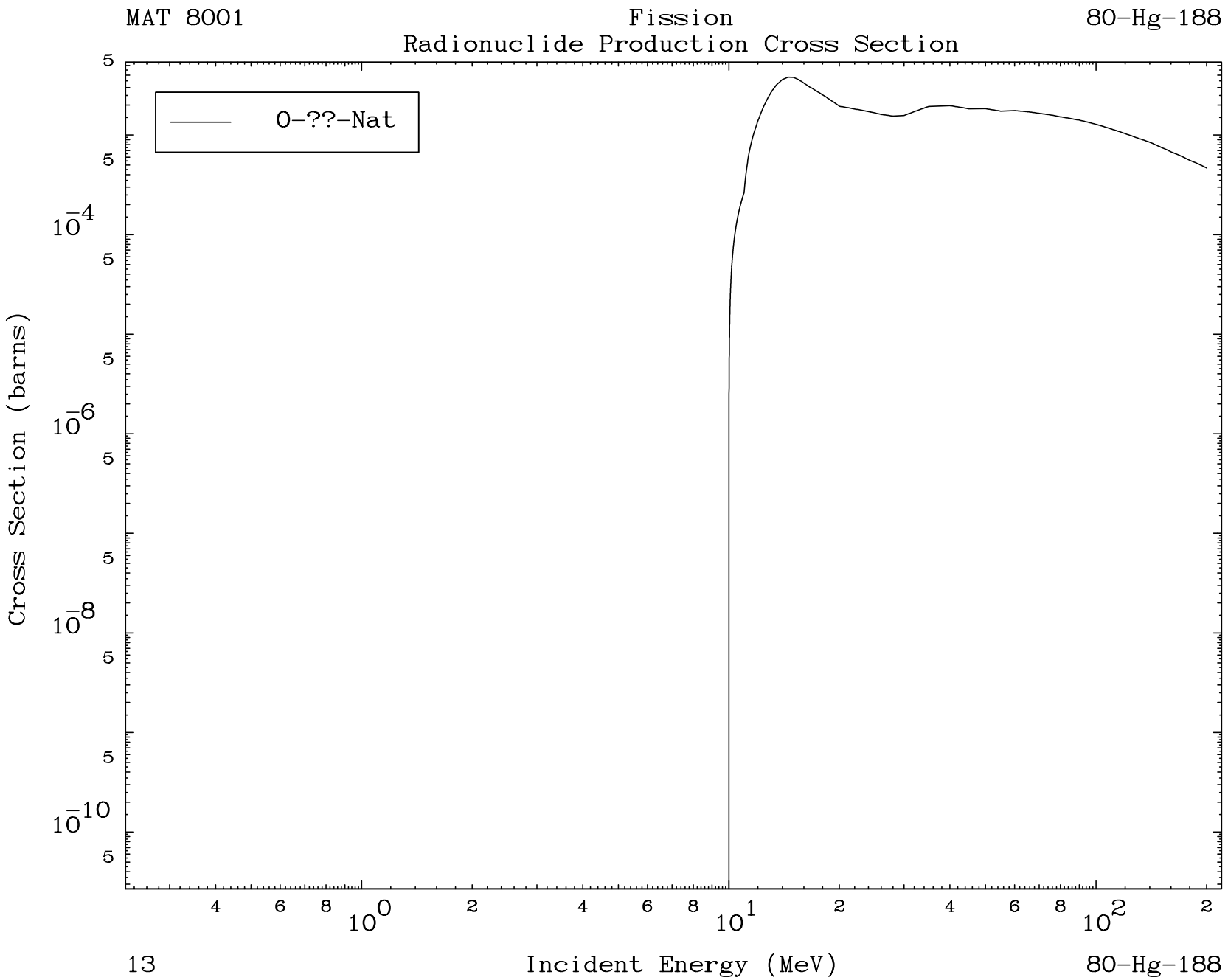

MAT 8001
(γ,d) Levels
80-Hg-188
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
80-Hg-188

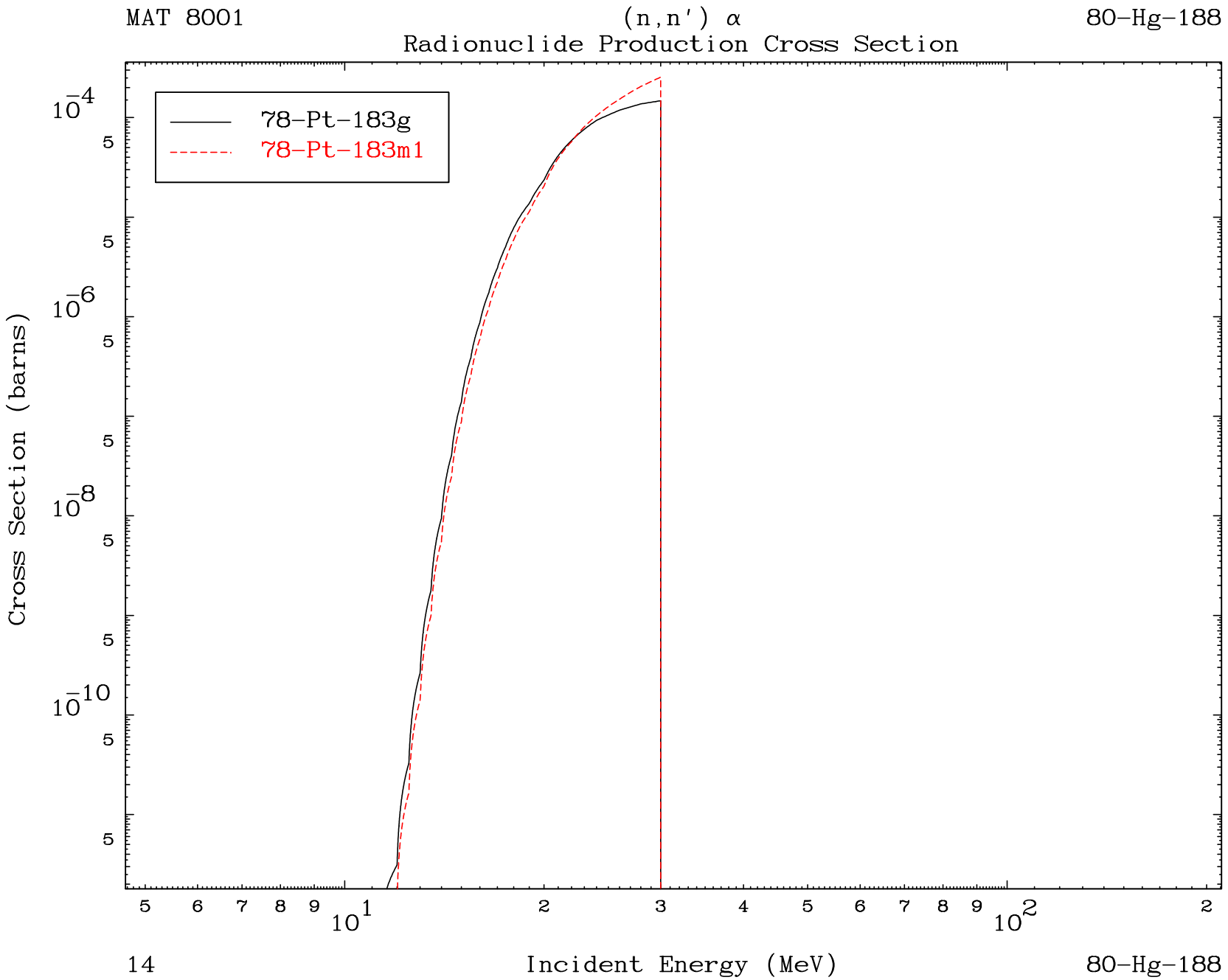

MAT 8001
(γ,t) Levels
80-Hg-188
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
80-Hg-188

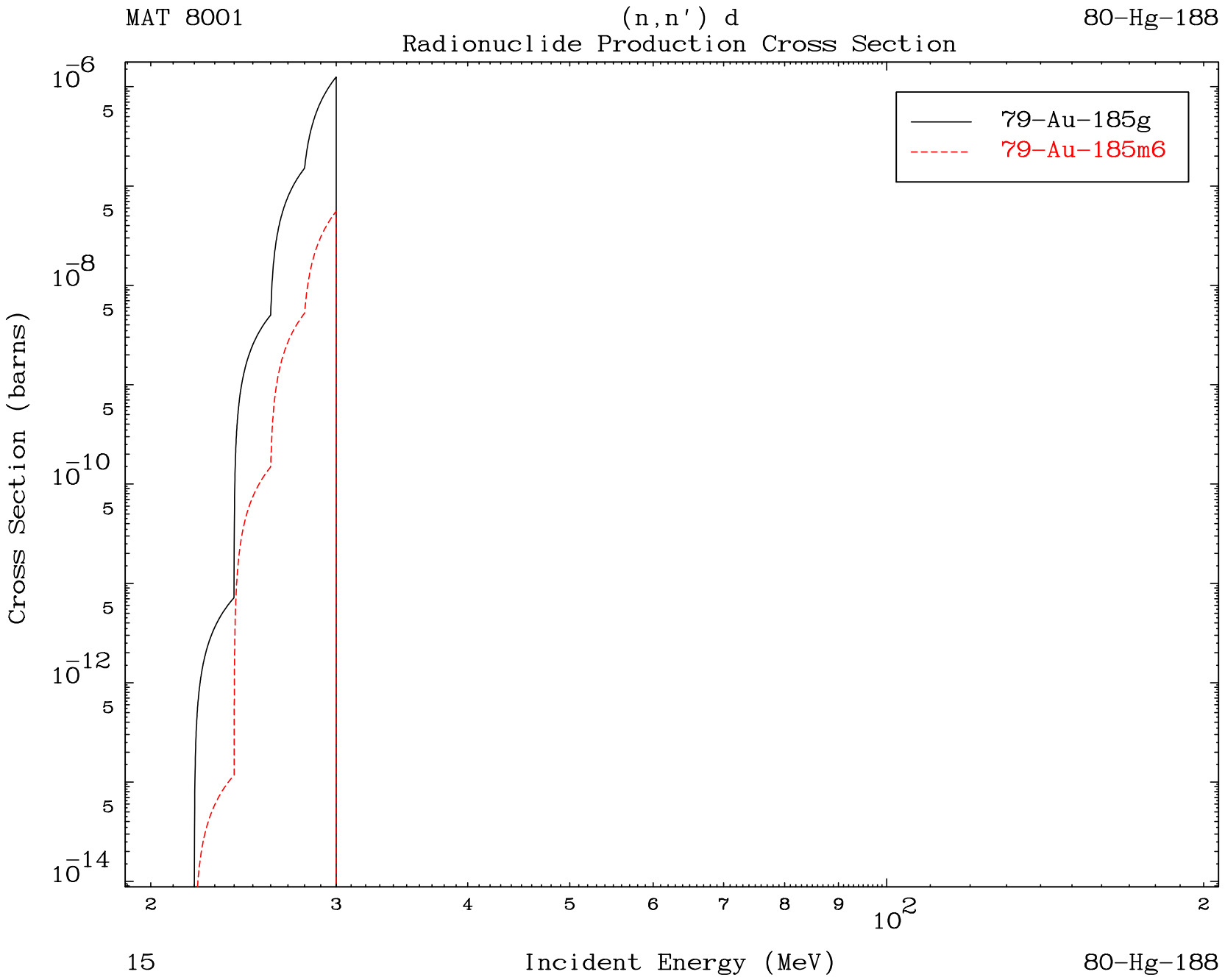

MAT 8001
(γ,He3) Levels
80-Hg-188
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^1
10^2
Incident Energy (MeV)
80-Hg-188

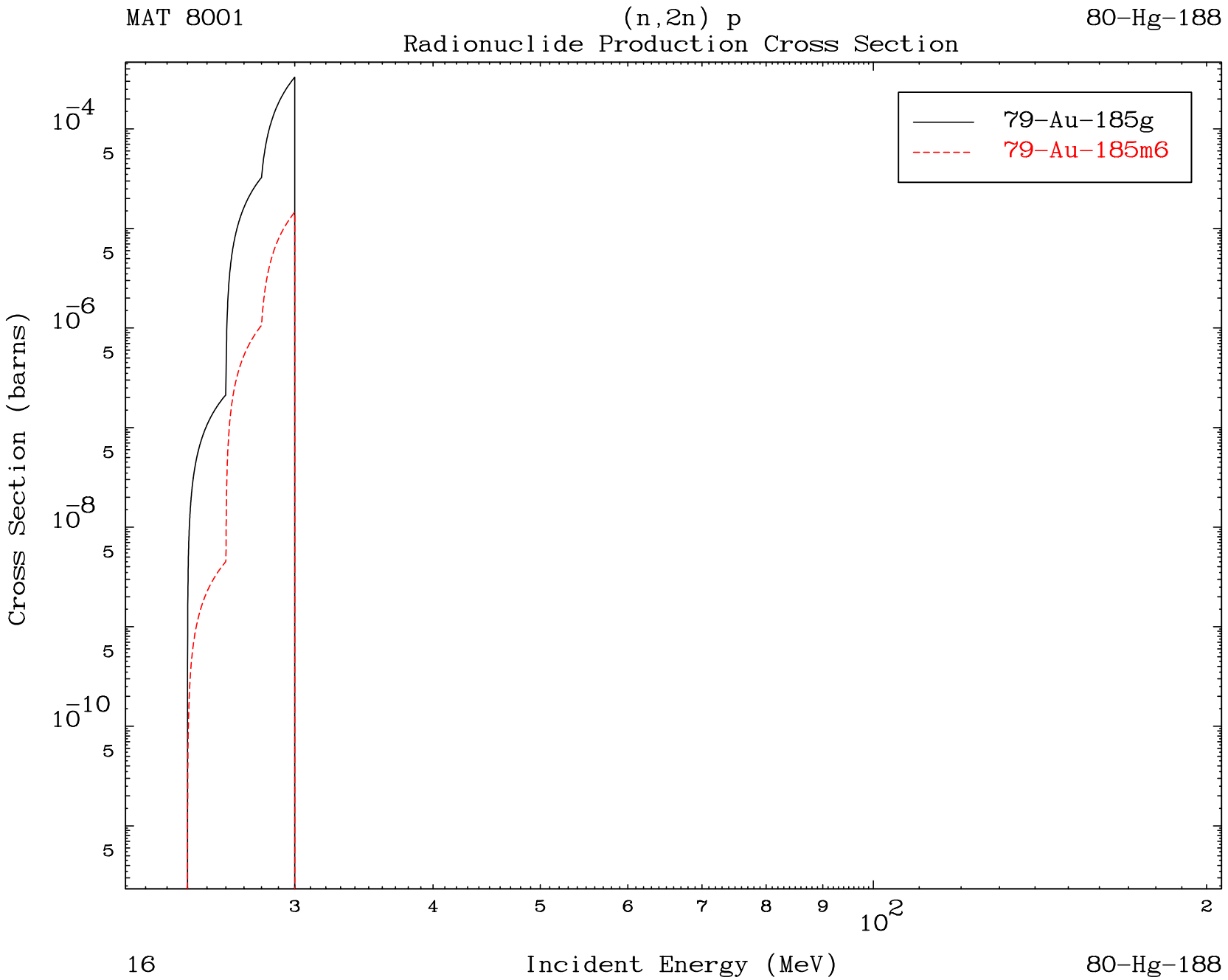

MAT 8001
(γ,α) Levels
80-Hg-188
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
80-Hg-188

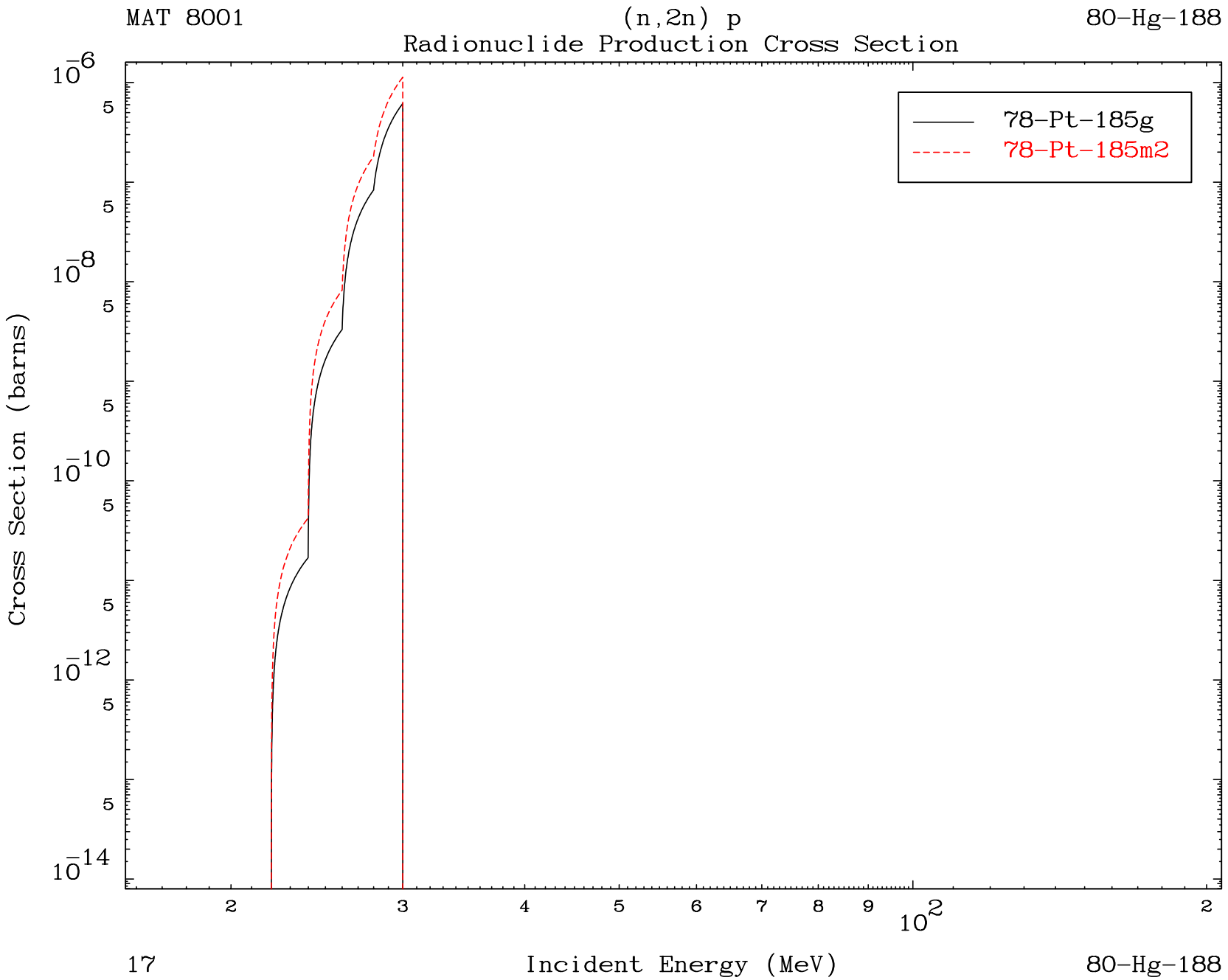

MAT 8001
Inelastic
80-Hg-188
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-188

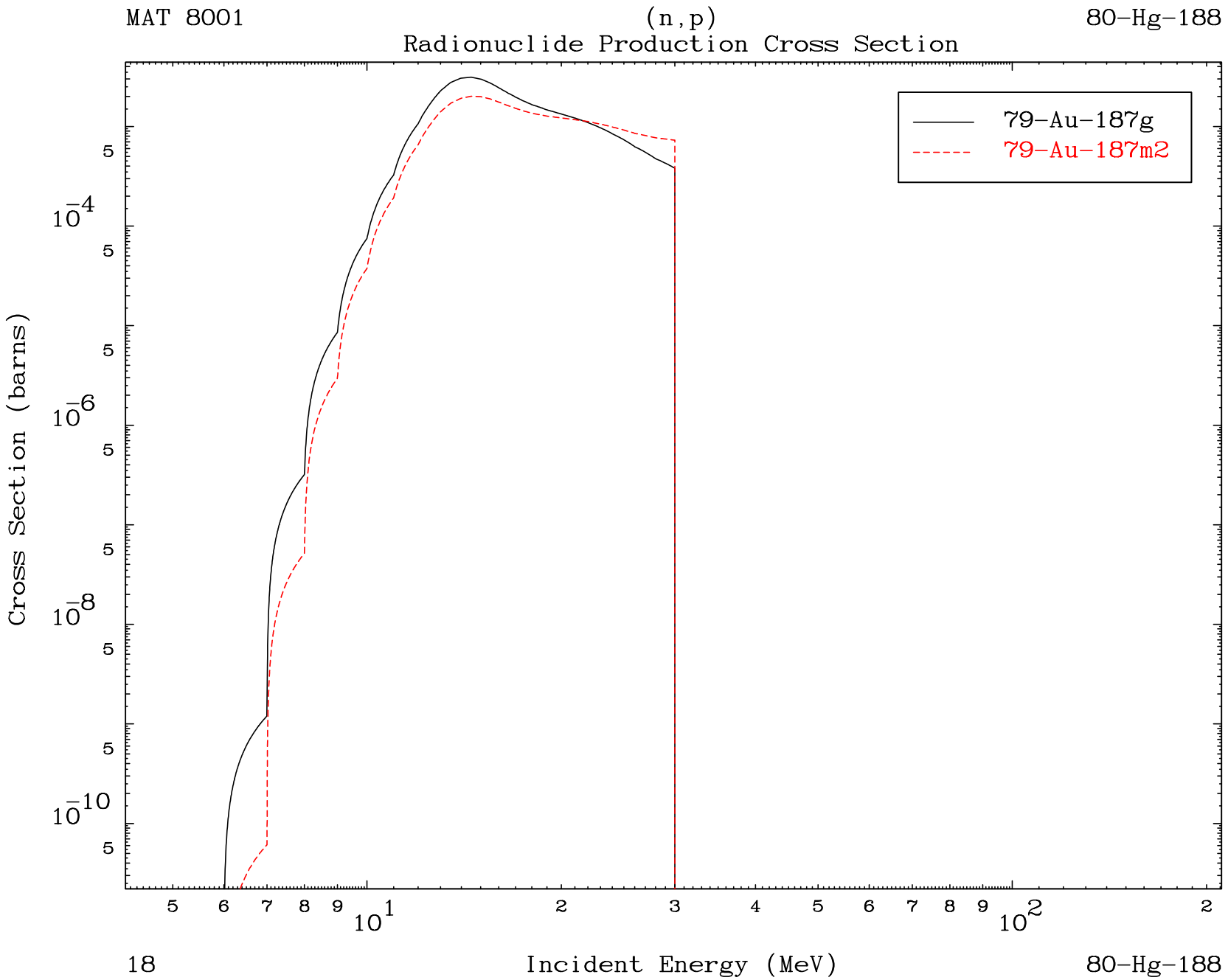

MAT 8001
Fission
80-Hg-188
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
80-Hg-188

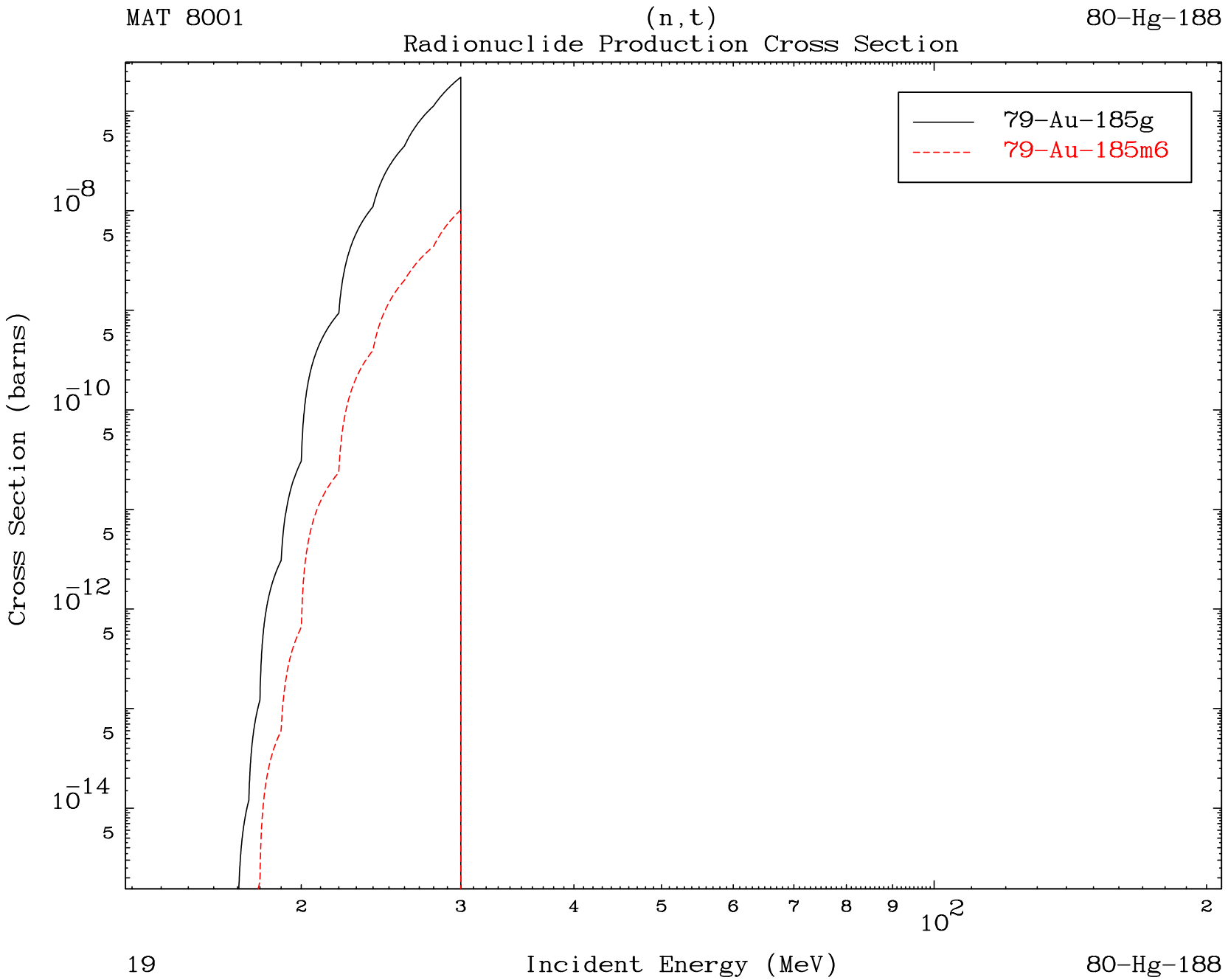

MAT 8001
(n,n') α
80-Hg-188
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6
7
8
9
10^1
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
80-Hg-188

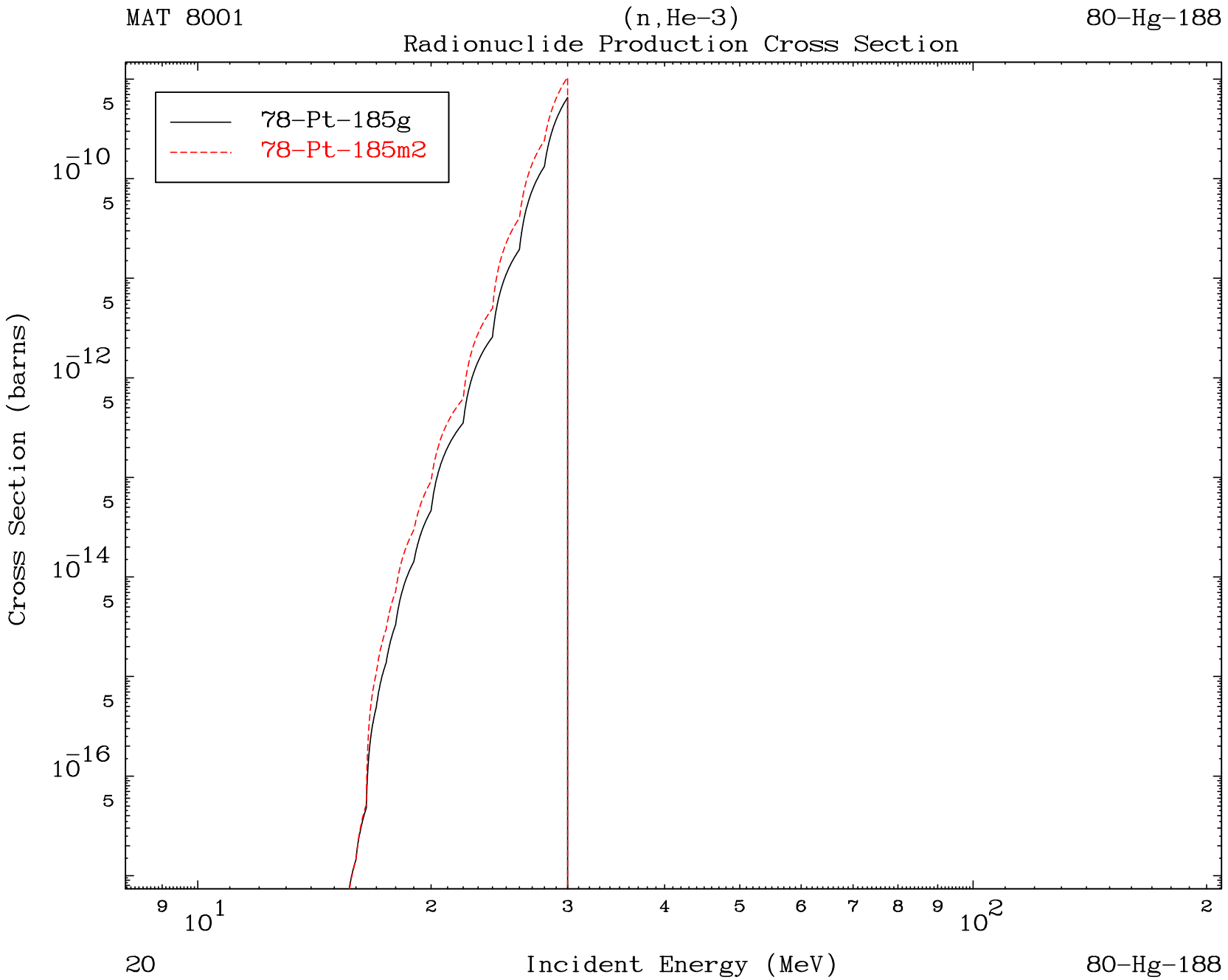

MAT 8001
(n,n') d
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
Incident Energy (MeV)
15
80-Hg-188

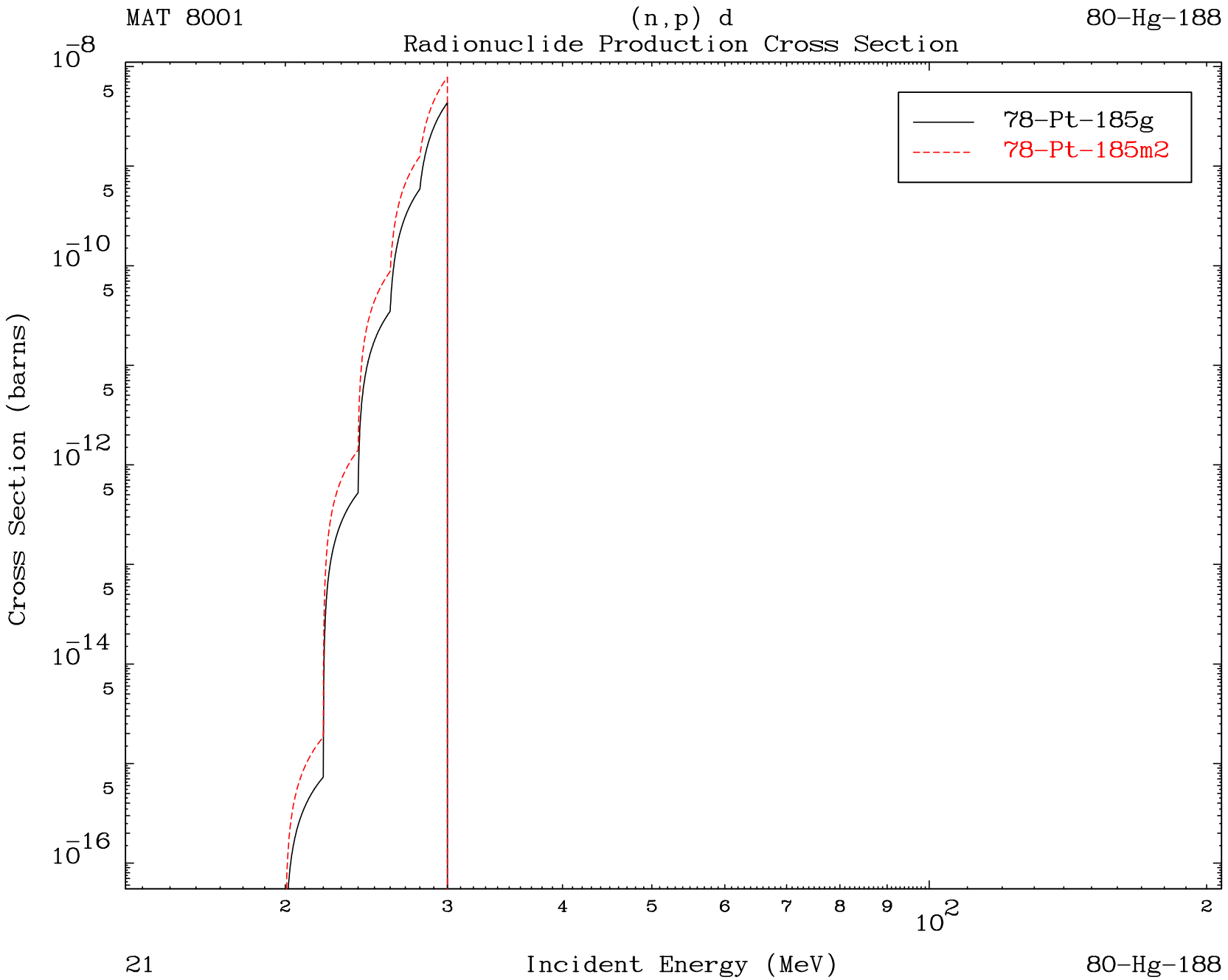

MAT 8001
(n,2n) p
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
80-Hg-188


MAT 8001
(n,2n) p
80-Hg-188
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
17
80-Hg-188


MAT 8001
(n,p)
80-Hg-188
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
Incident Energy (MeV)
10 1
10 2
5 6 7 8 9
2 3 4 5 6 7 8 9
2
18
80-Hg-188


MAT 8001
(n,t)
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
80-Hg-188


MAT 8001
(n,He-3)
80-Hg-188
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
80-Hg-188


MAT 8001
(n,p) d
80-Hg-188
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
21
80-Hg-188