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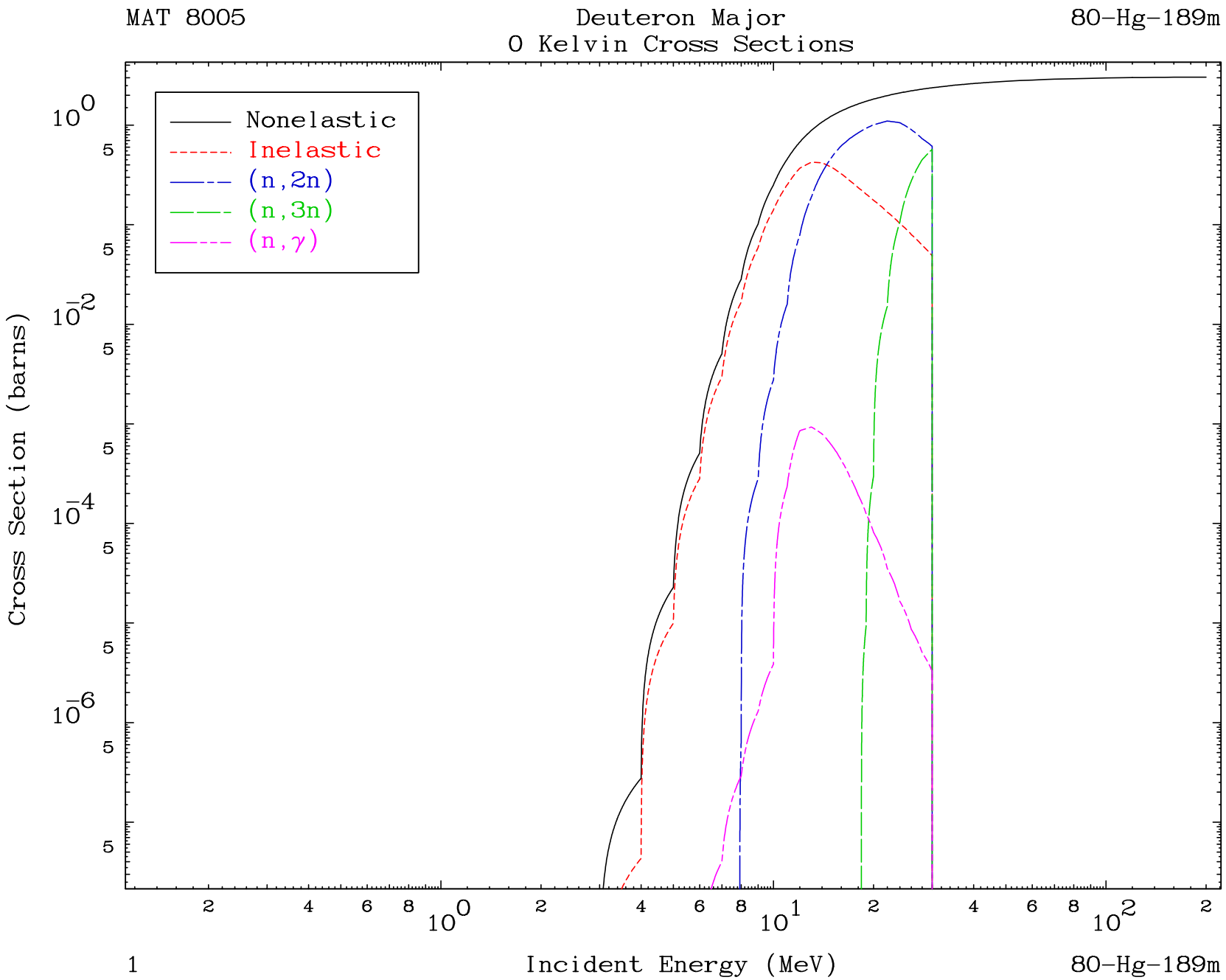
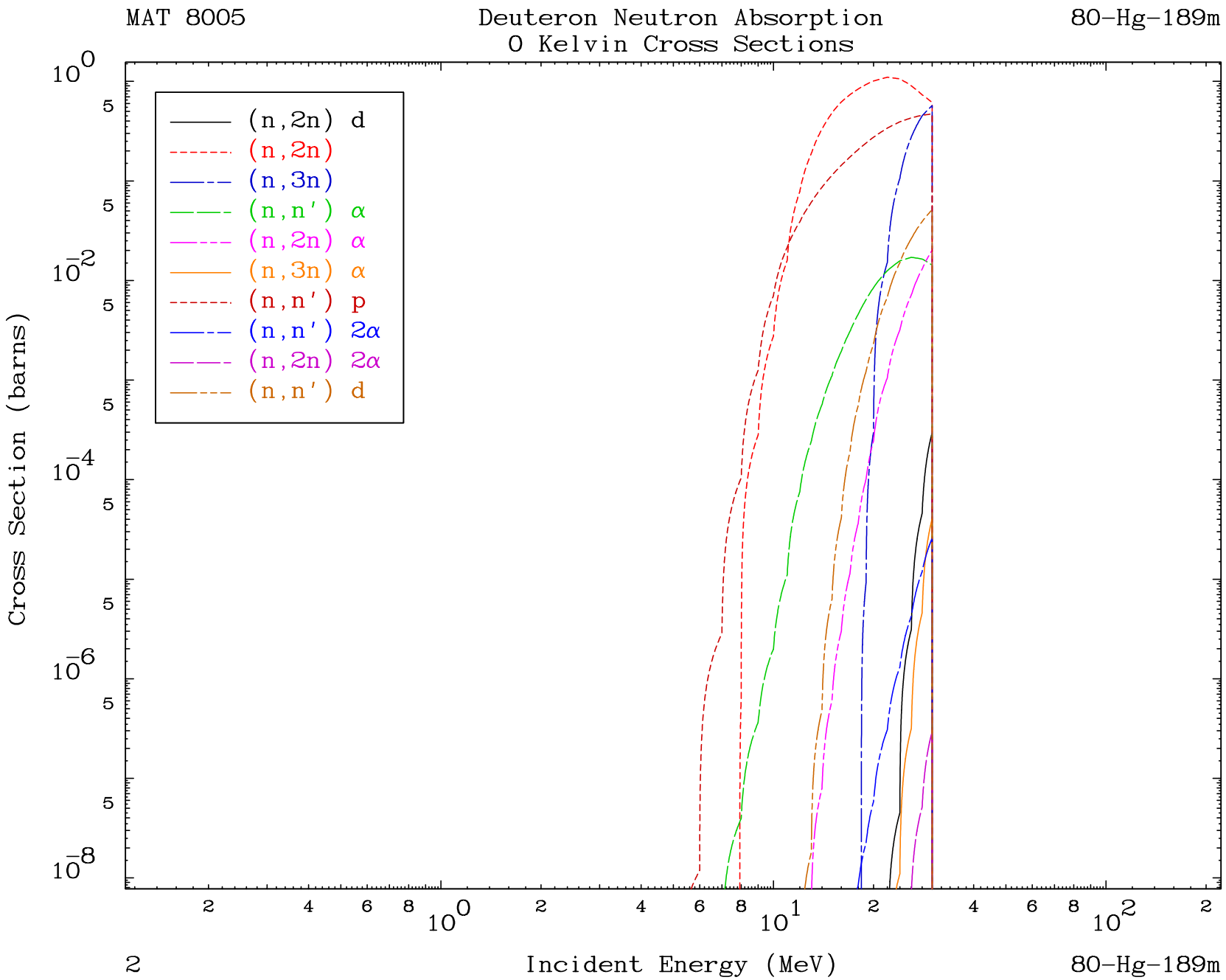
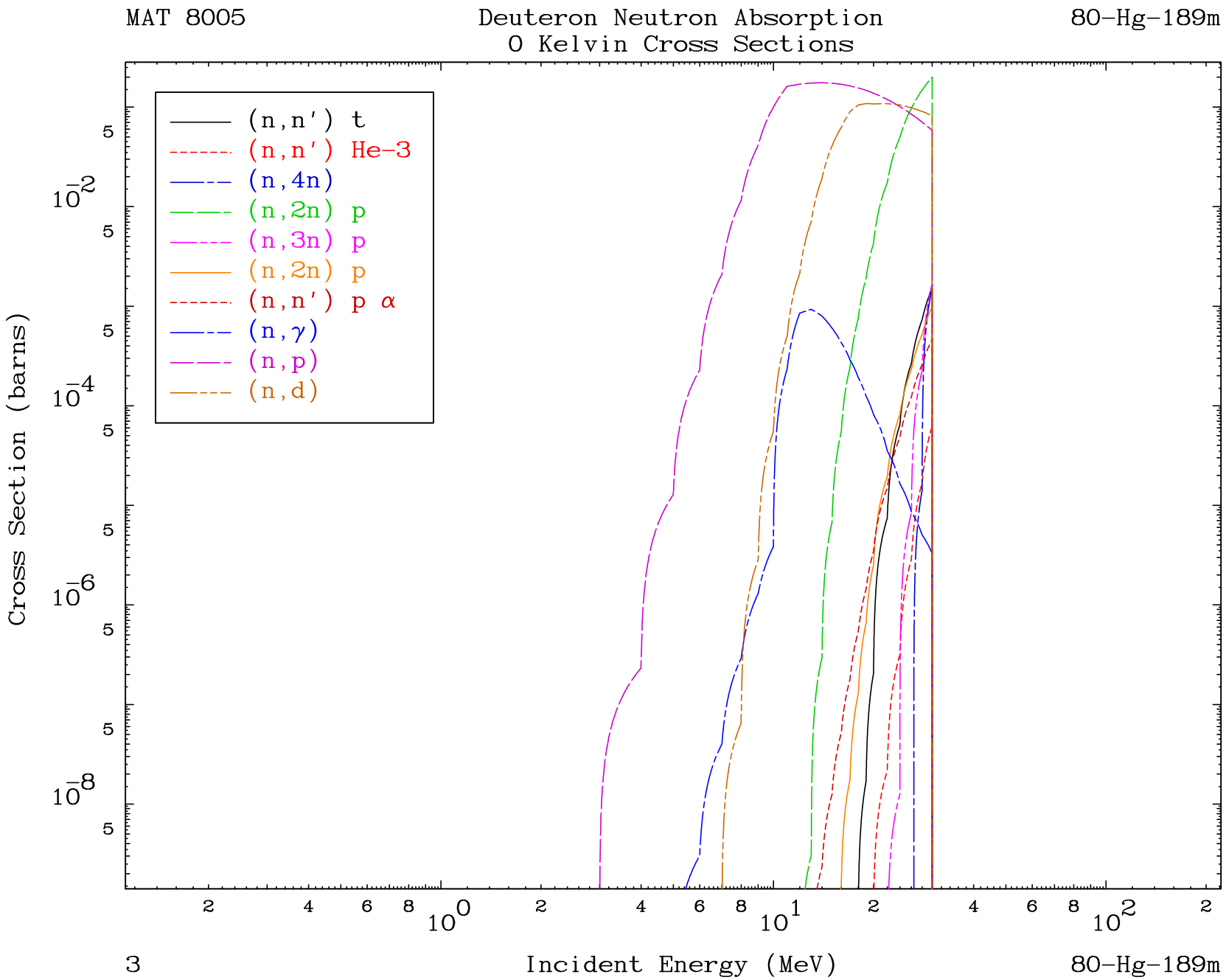
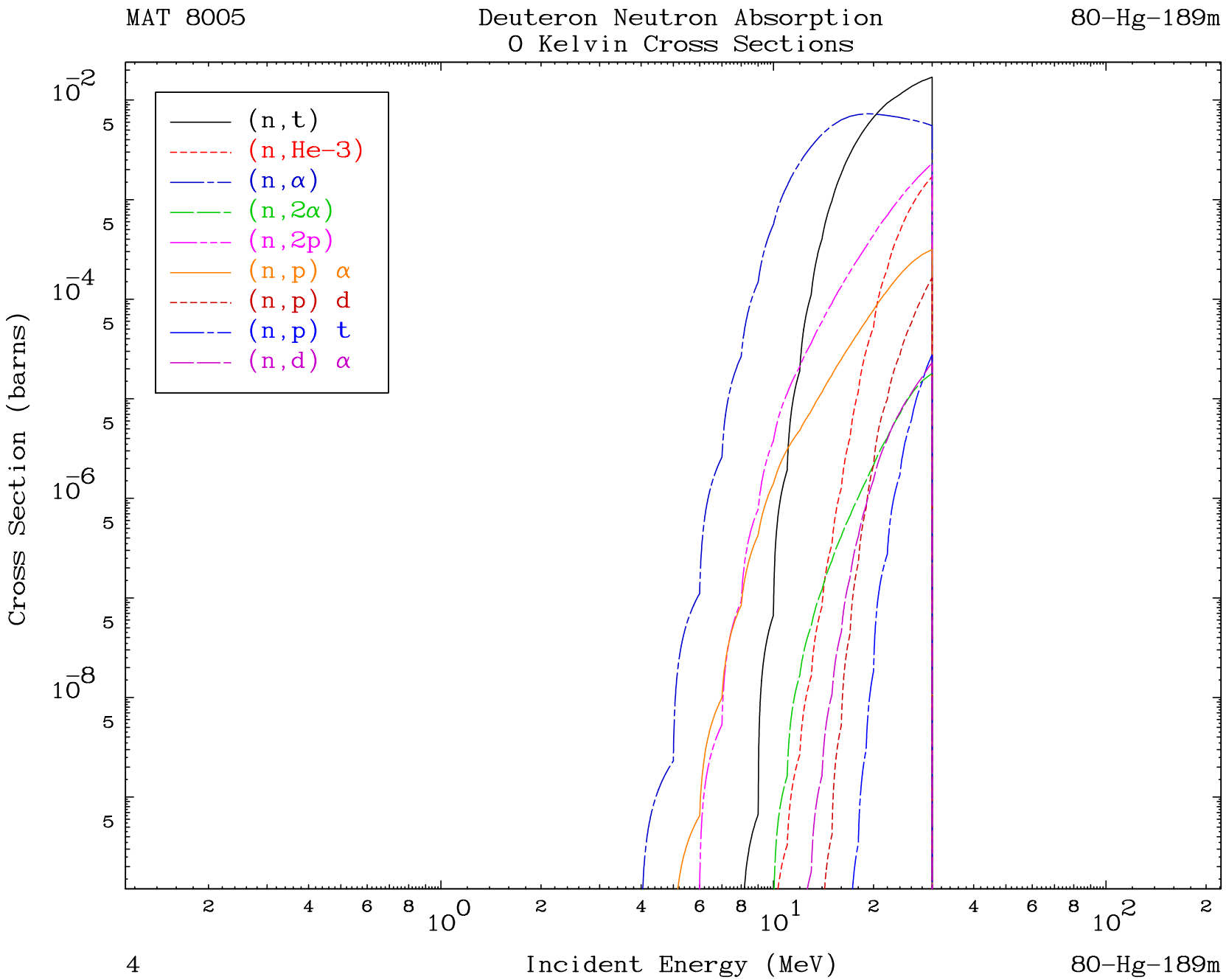
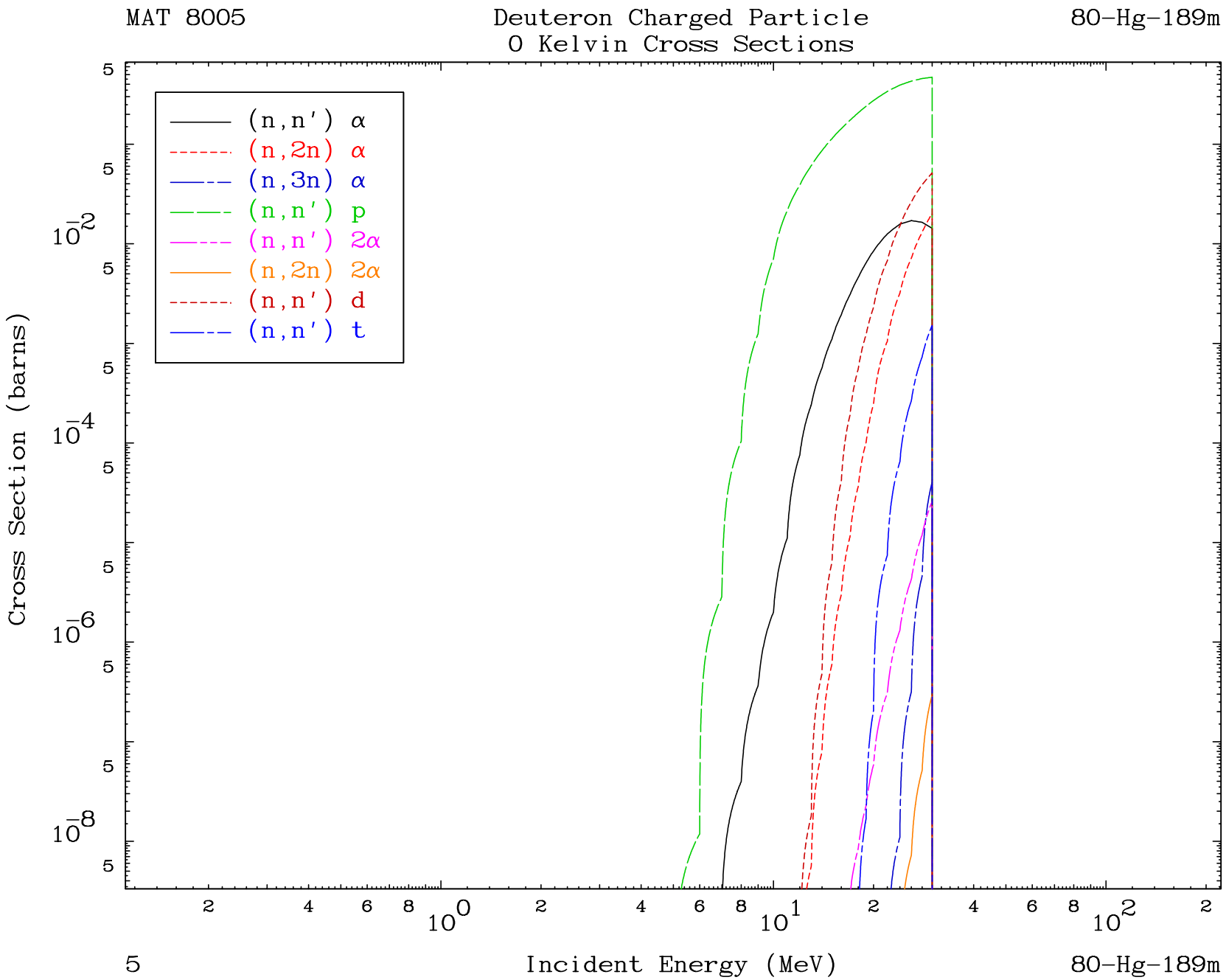
Press Mouse Button to Start

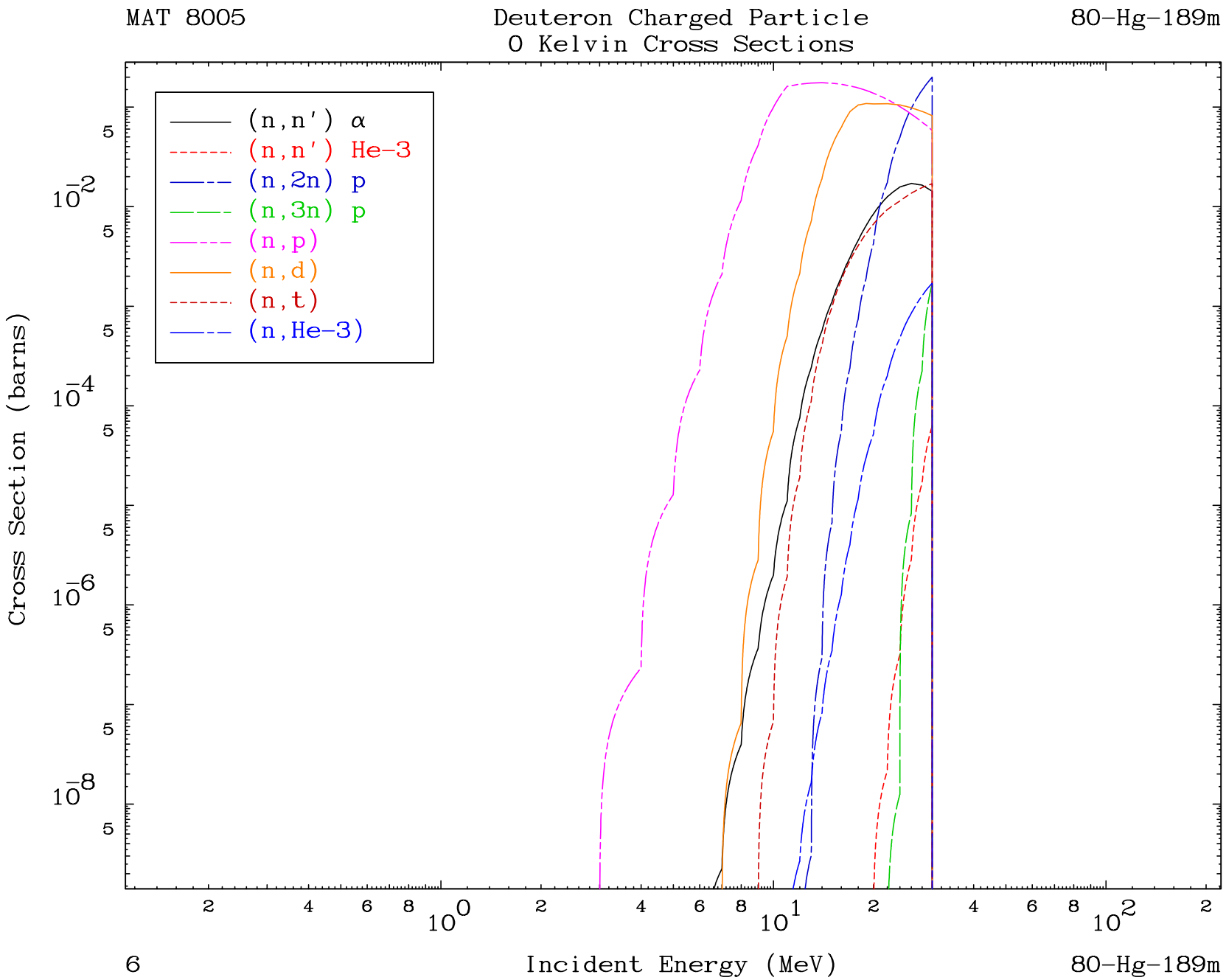

MAT 8005
Deuteron Major
0 Kelvin Cross Sections
80-Hg-189m
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
80-Hg-189m

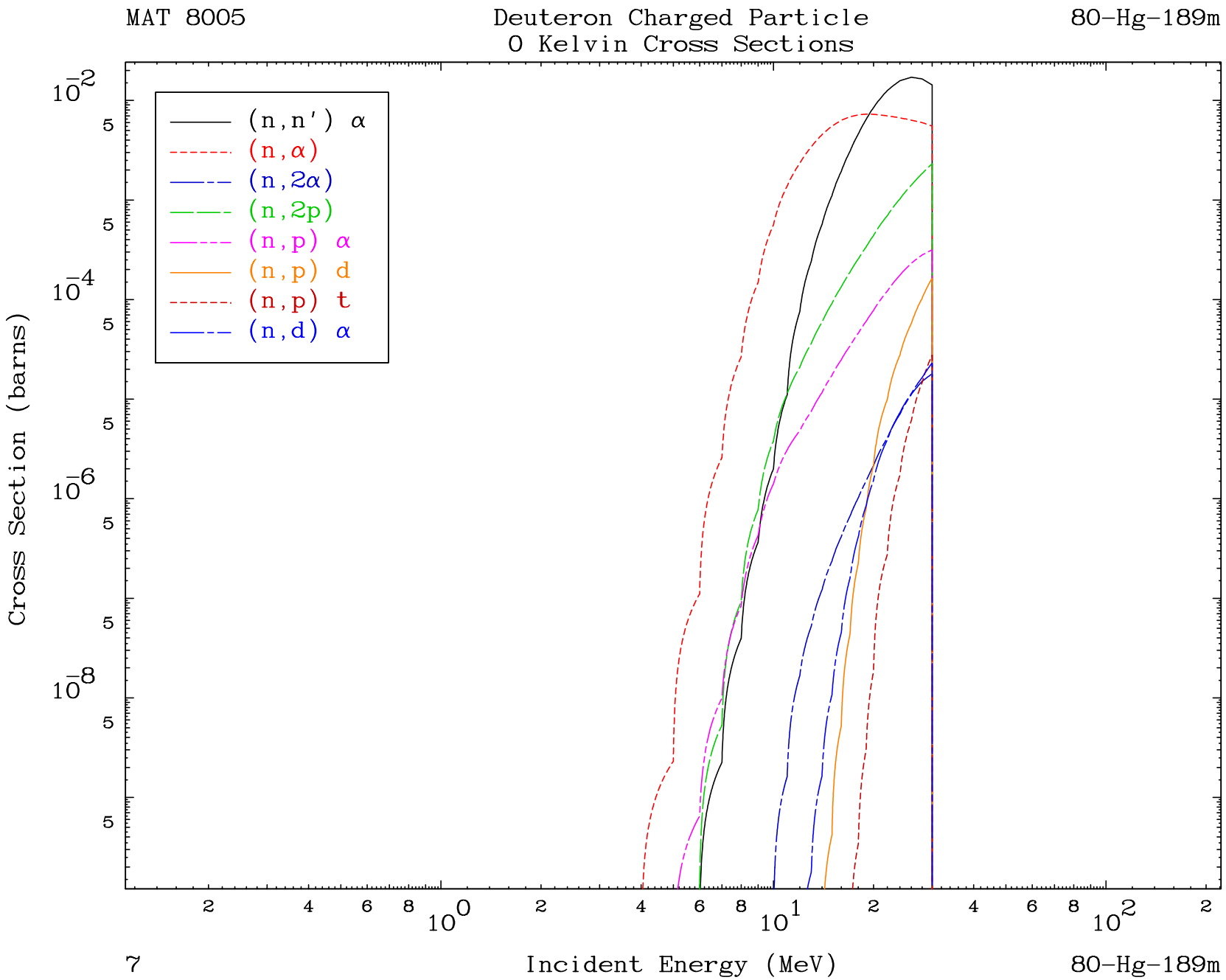

MAT 8005
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-189m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
80-Hg-189m

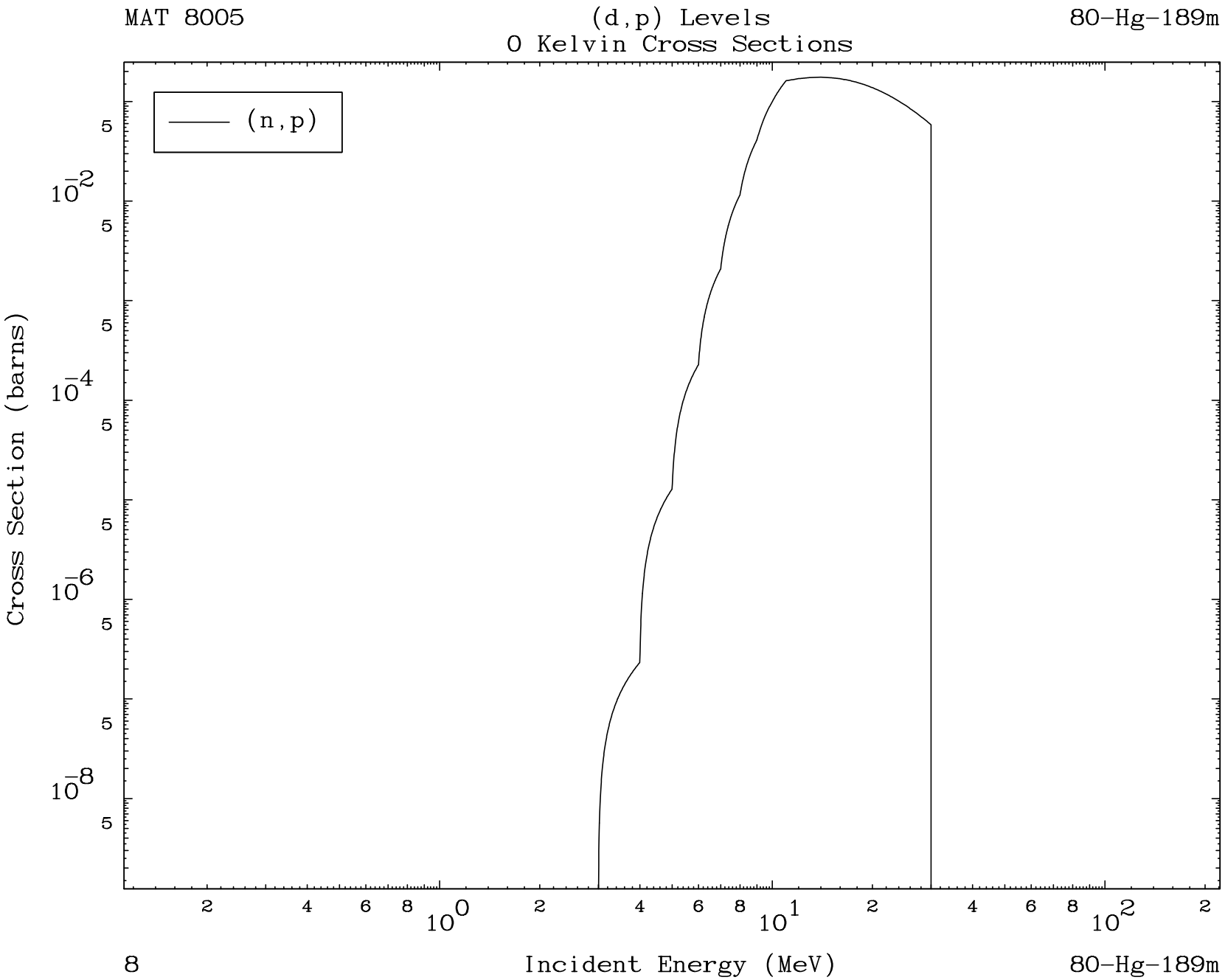

MAT 8005
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-189m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-189m

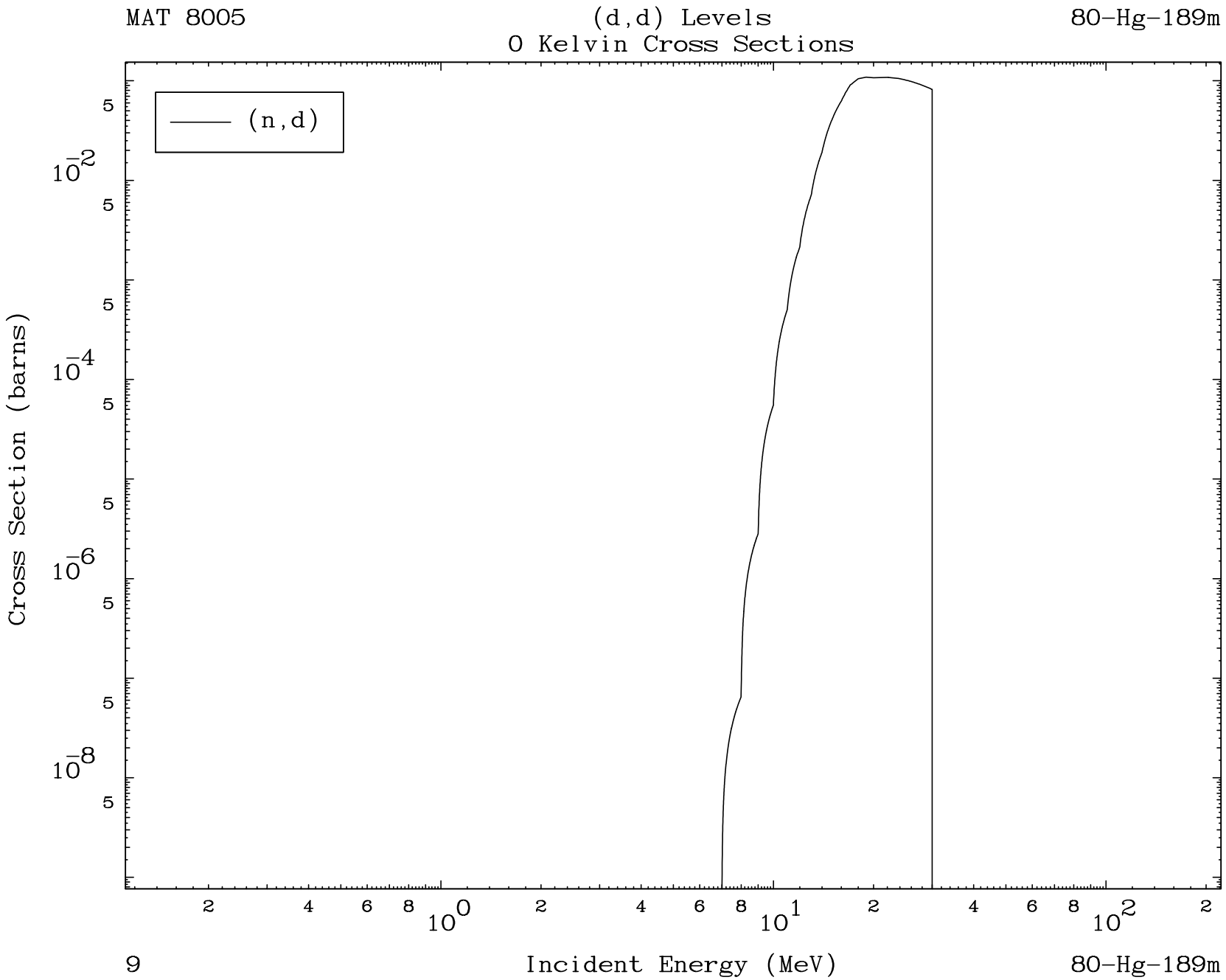

MAT 8005
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-189m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-189m

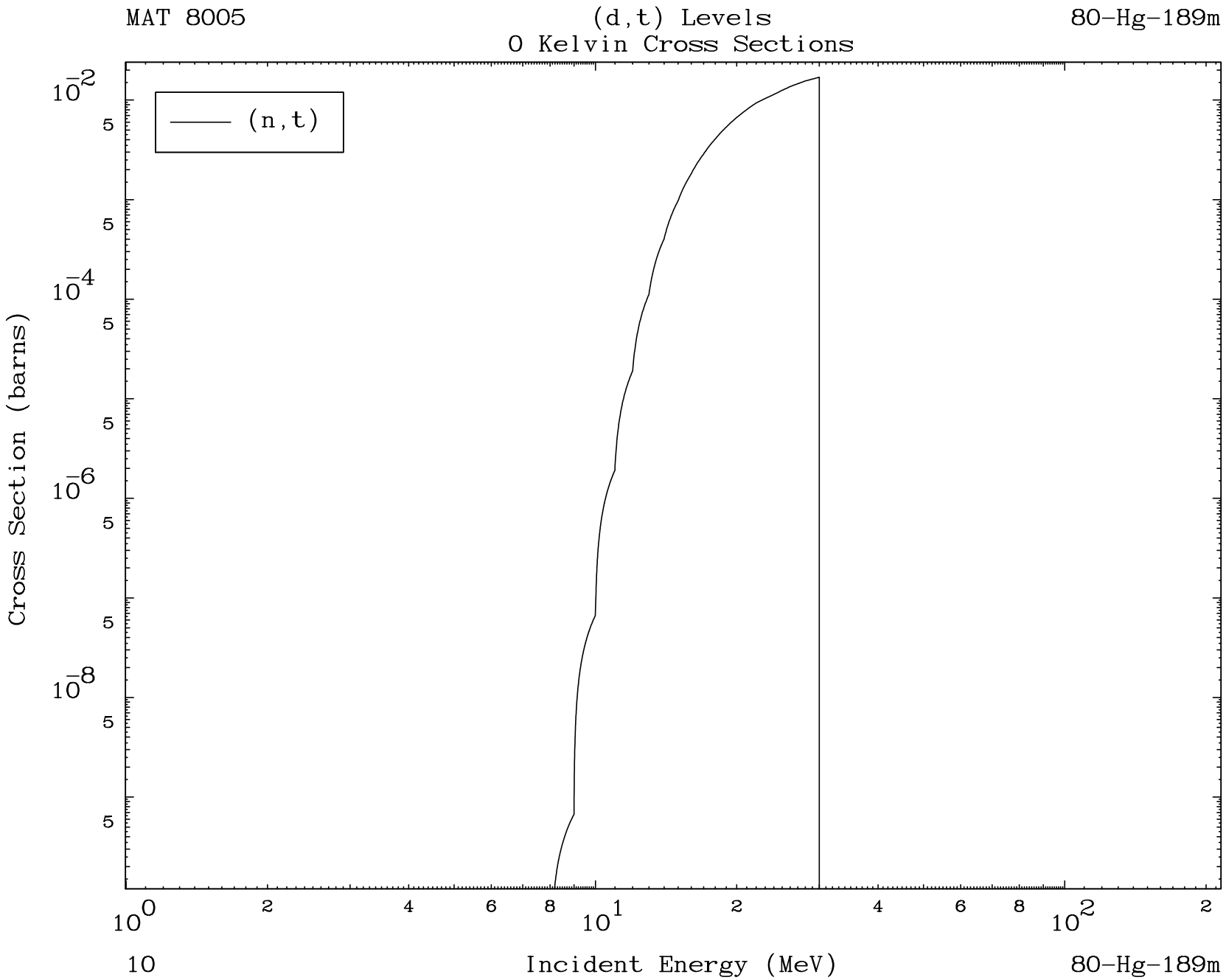

MAT 8005
Deuteron Charged Particle
0 Kelvin Cross Sections
80-Hg-189m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
80-Hg-189m

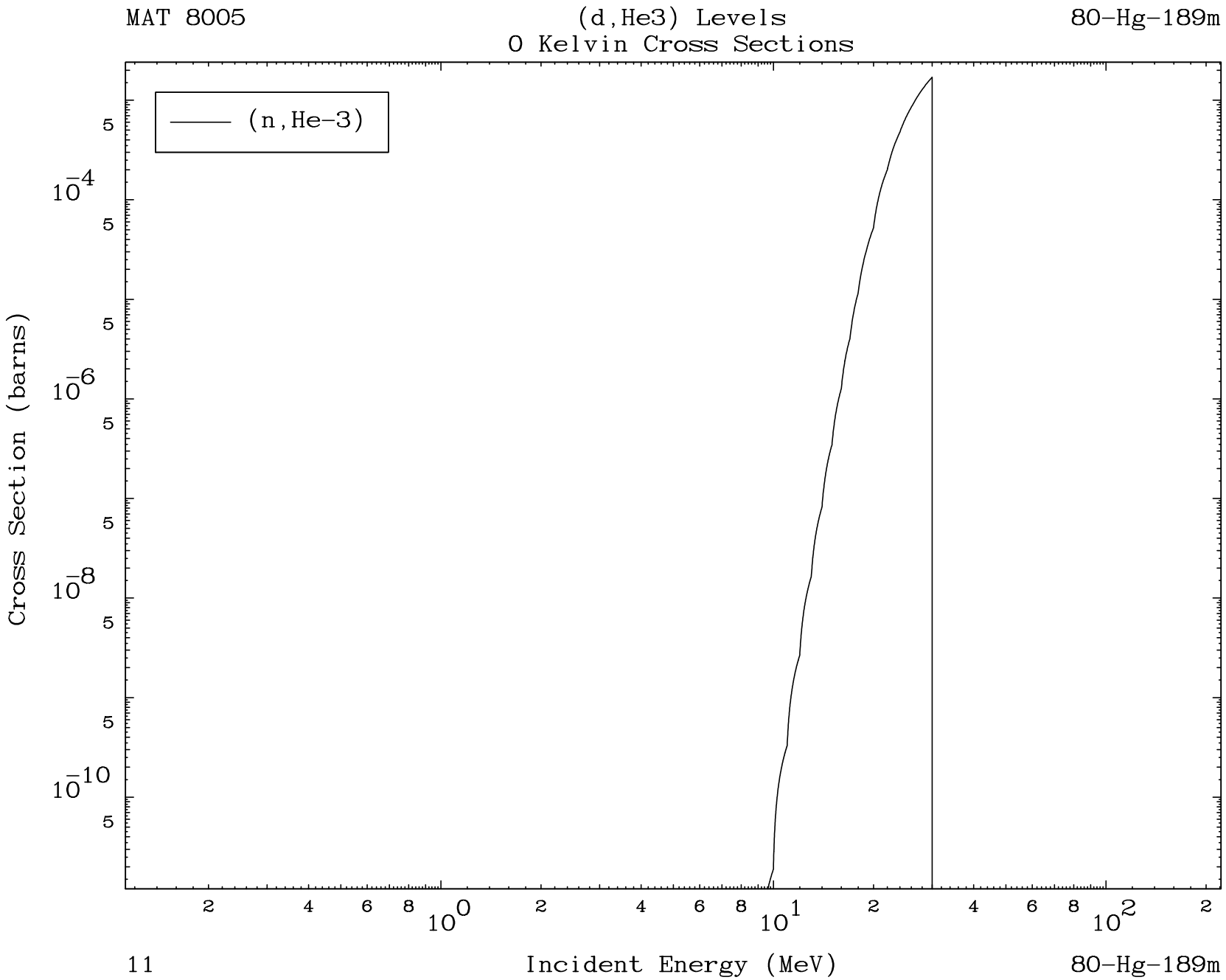

MAT 8005
Deuteron Charged Particle
0 Kelvin Cross Sections
80-Hg-189m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-189m

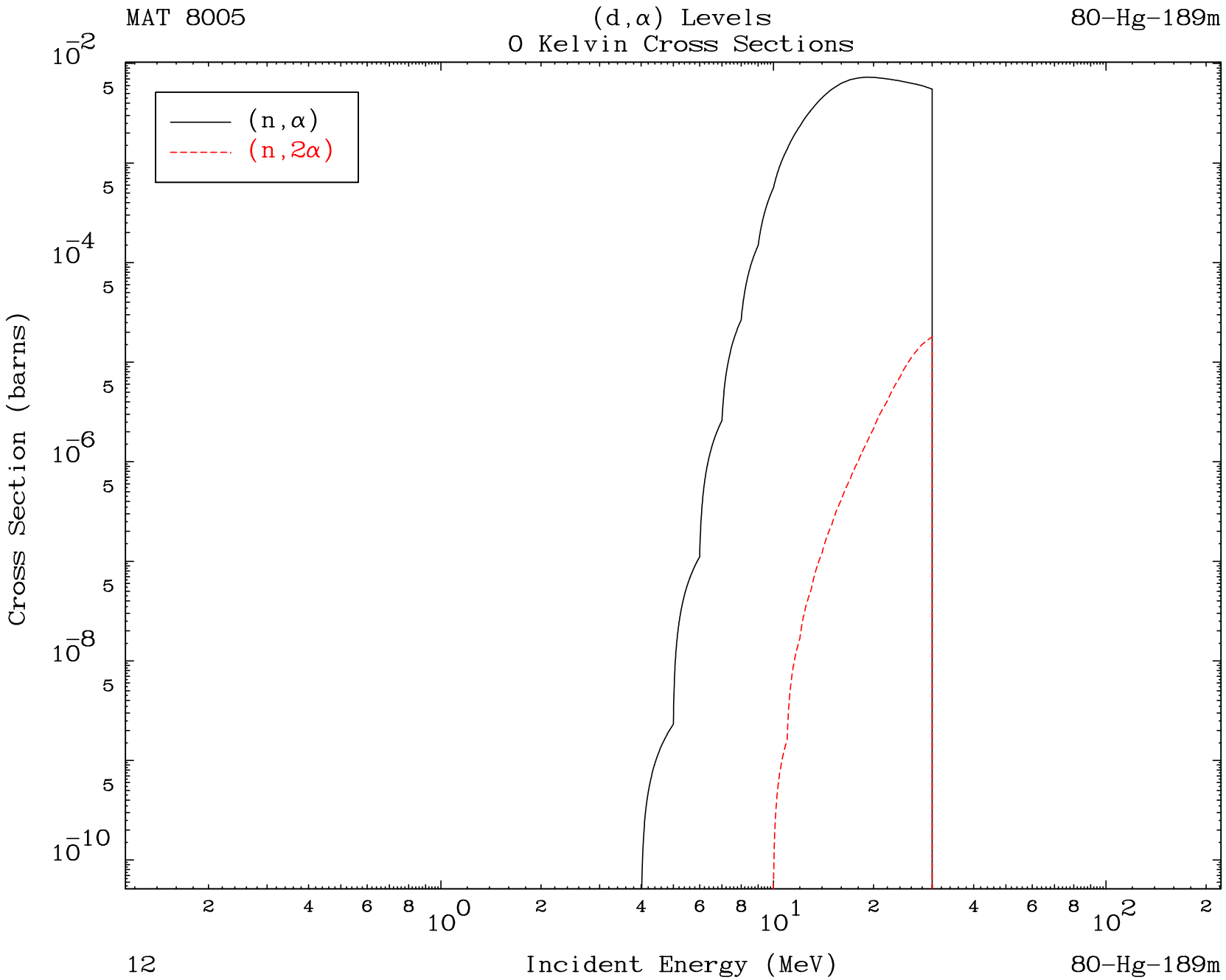

MAT 8005
Deuteron Charged Particle
0 Kelvin Cross Sections
80-Hg-189m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-189m

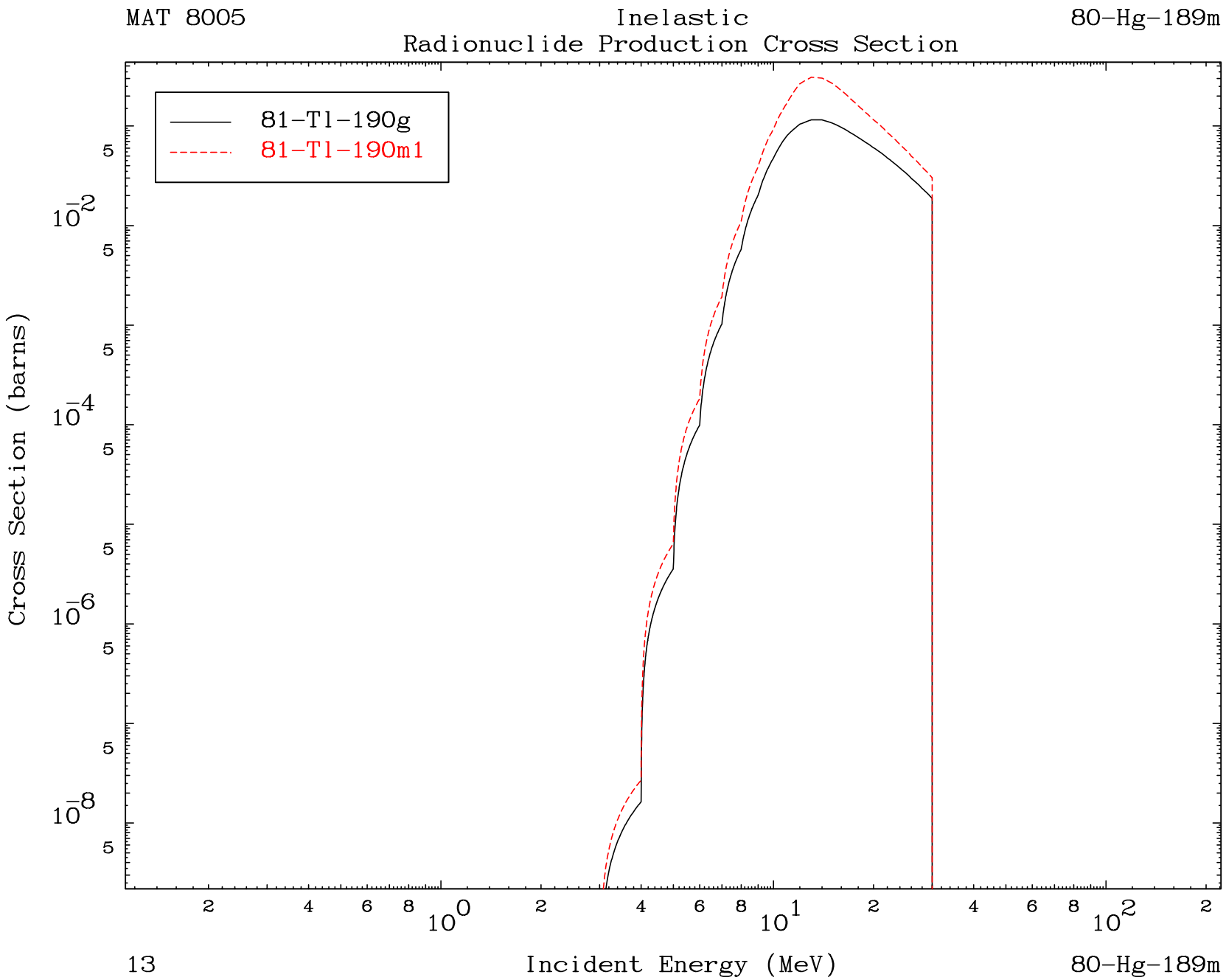

MAT 8005
(d,p) Levels
80-Hg-189m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
80-Hg-189m

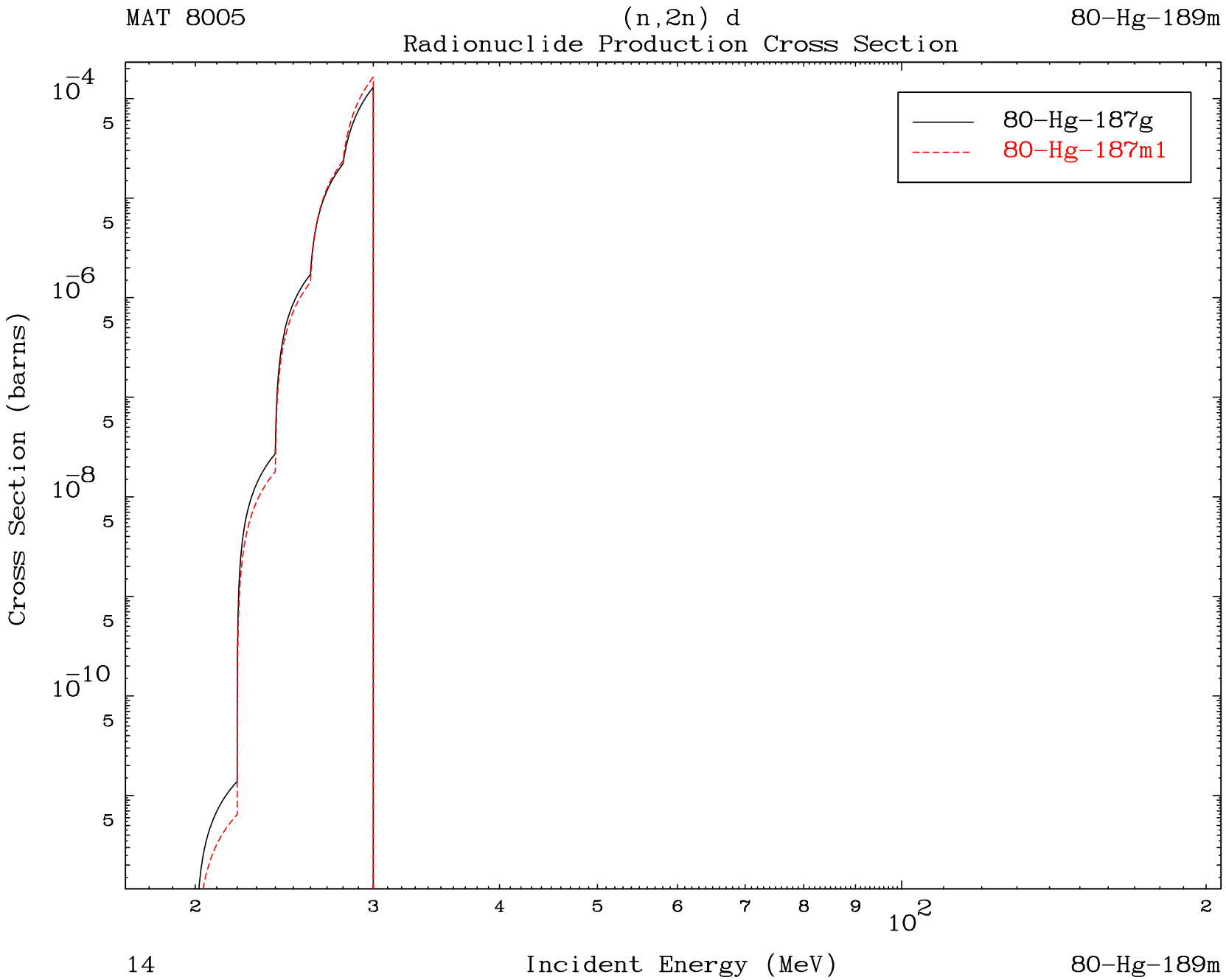

MAT 8005
(d,d) Levels
80-Hg-189m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
80-Hg-189m

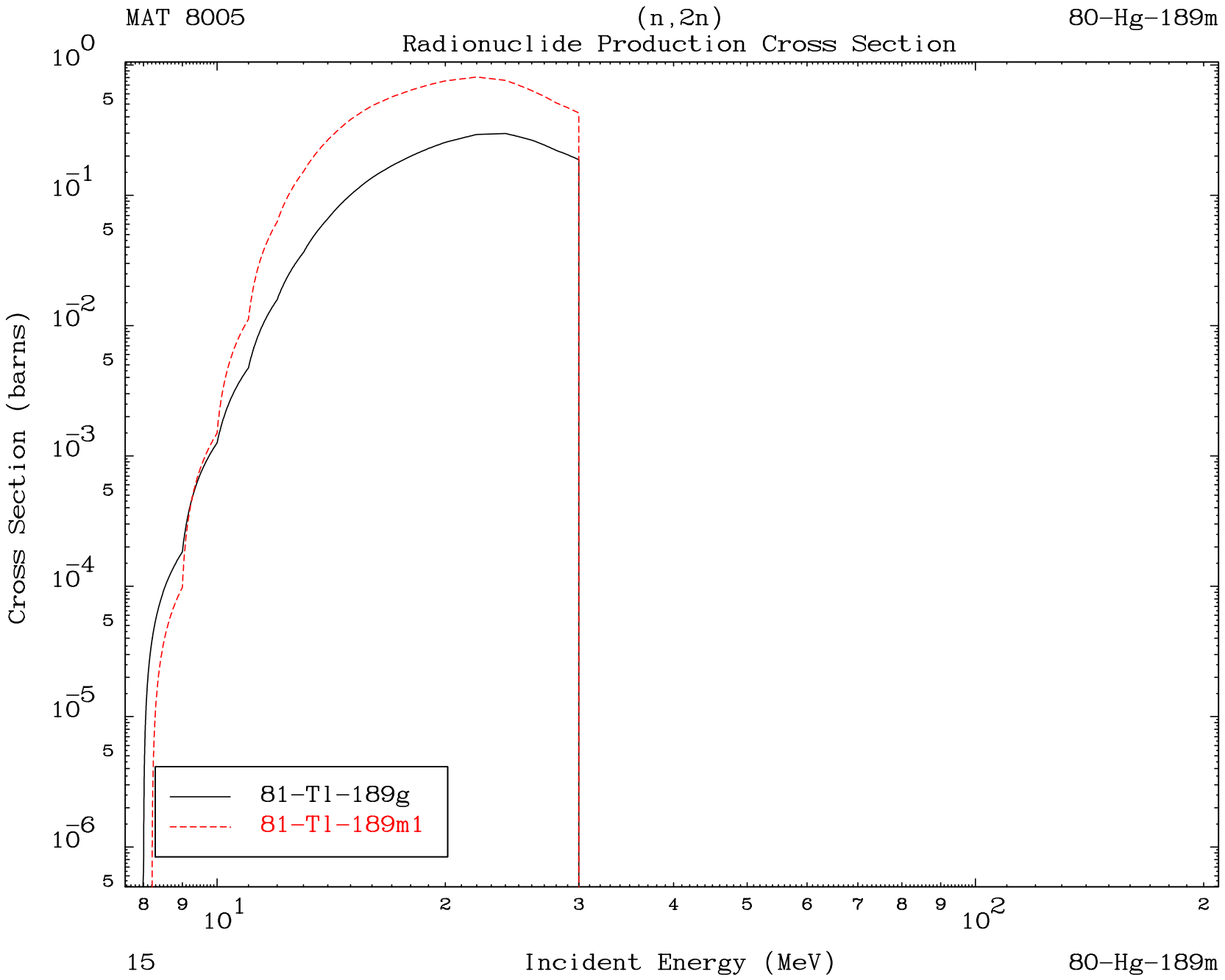

MAT 8005
(d,t) Levels
80-Hg-189m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-189m

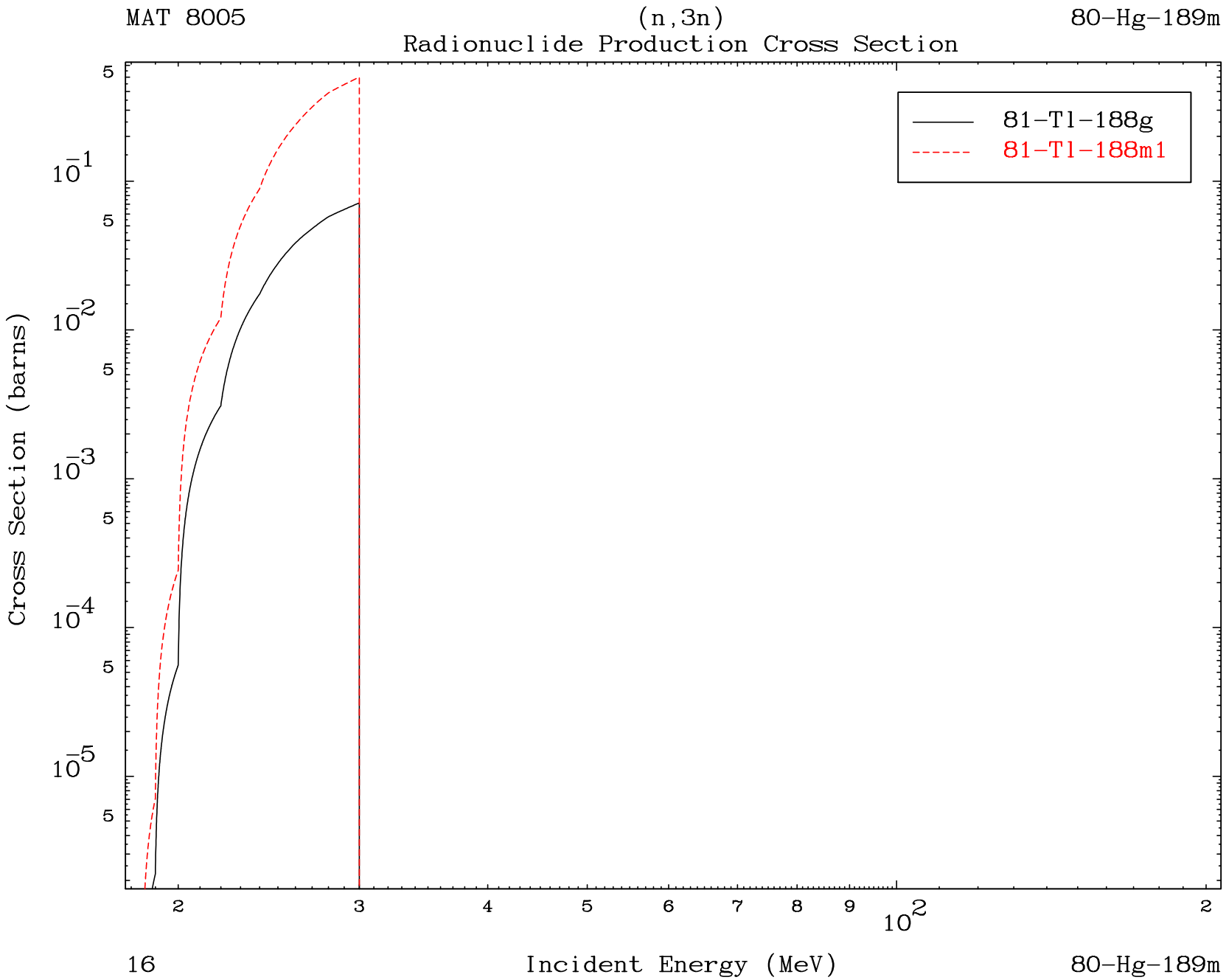

MAT 8005
(d,He3) Levels
80-Hg-189m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
80-Hg-189m

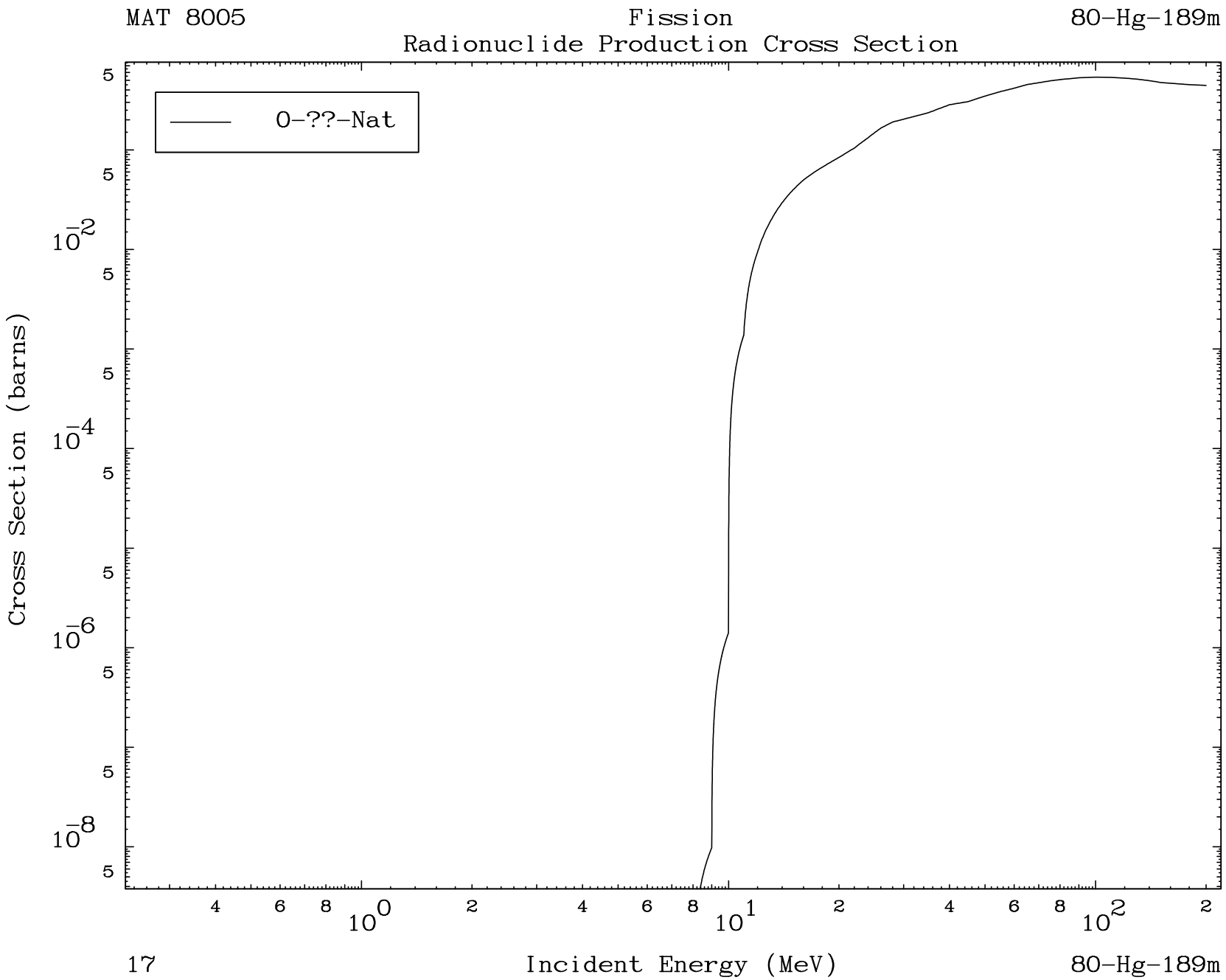

MAT 8005
(d,α) Levels
80-Hg-189m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-189m

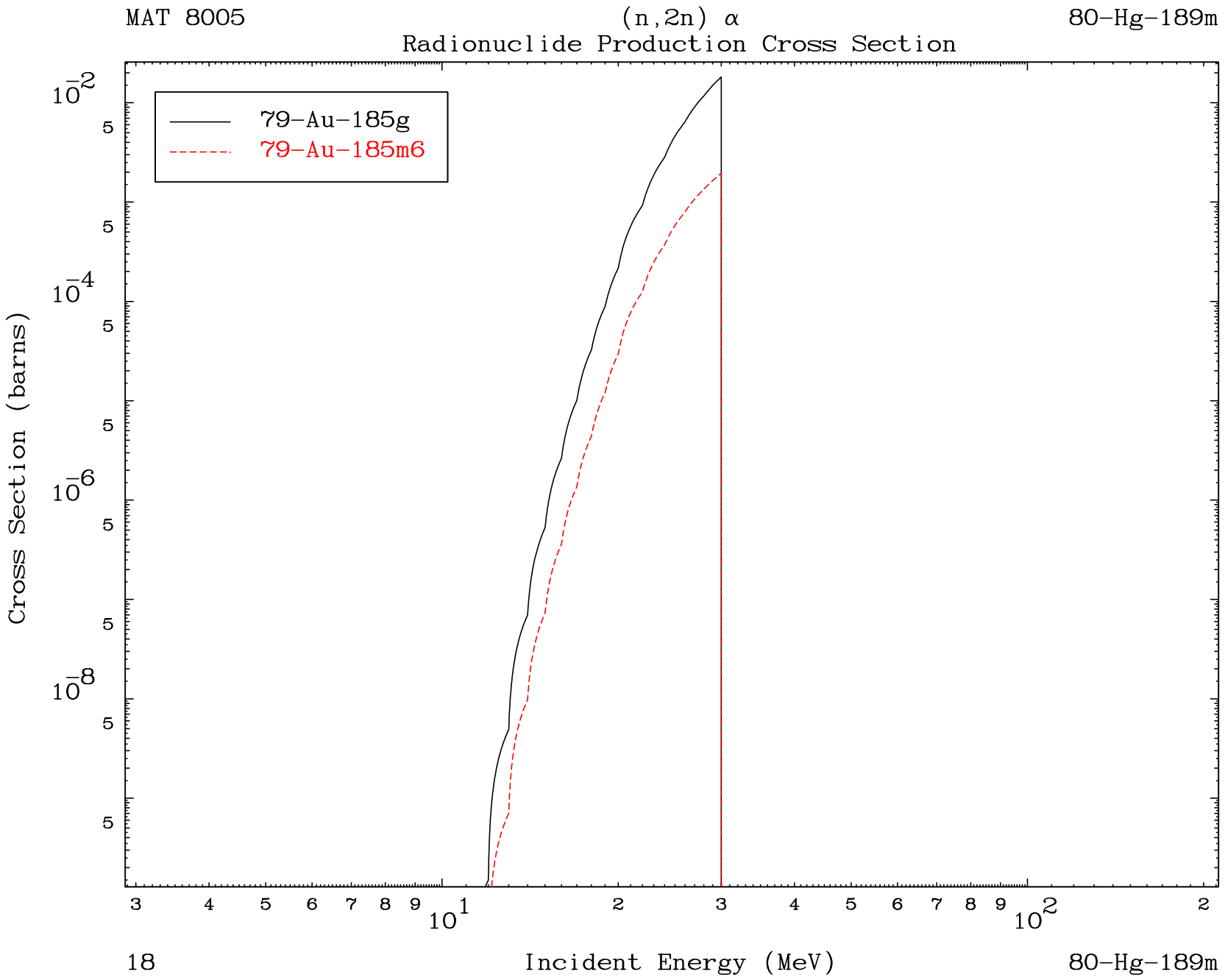

MAT 8005
Inelastic
80-Hg-189m
Radionuclide Production Cross Section
81-Tl-190g
81-Tl-190m1
Cross Section (barns)
Incident Energy (MeV)
13
80-Hg-189m

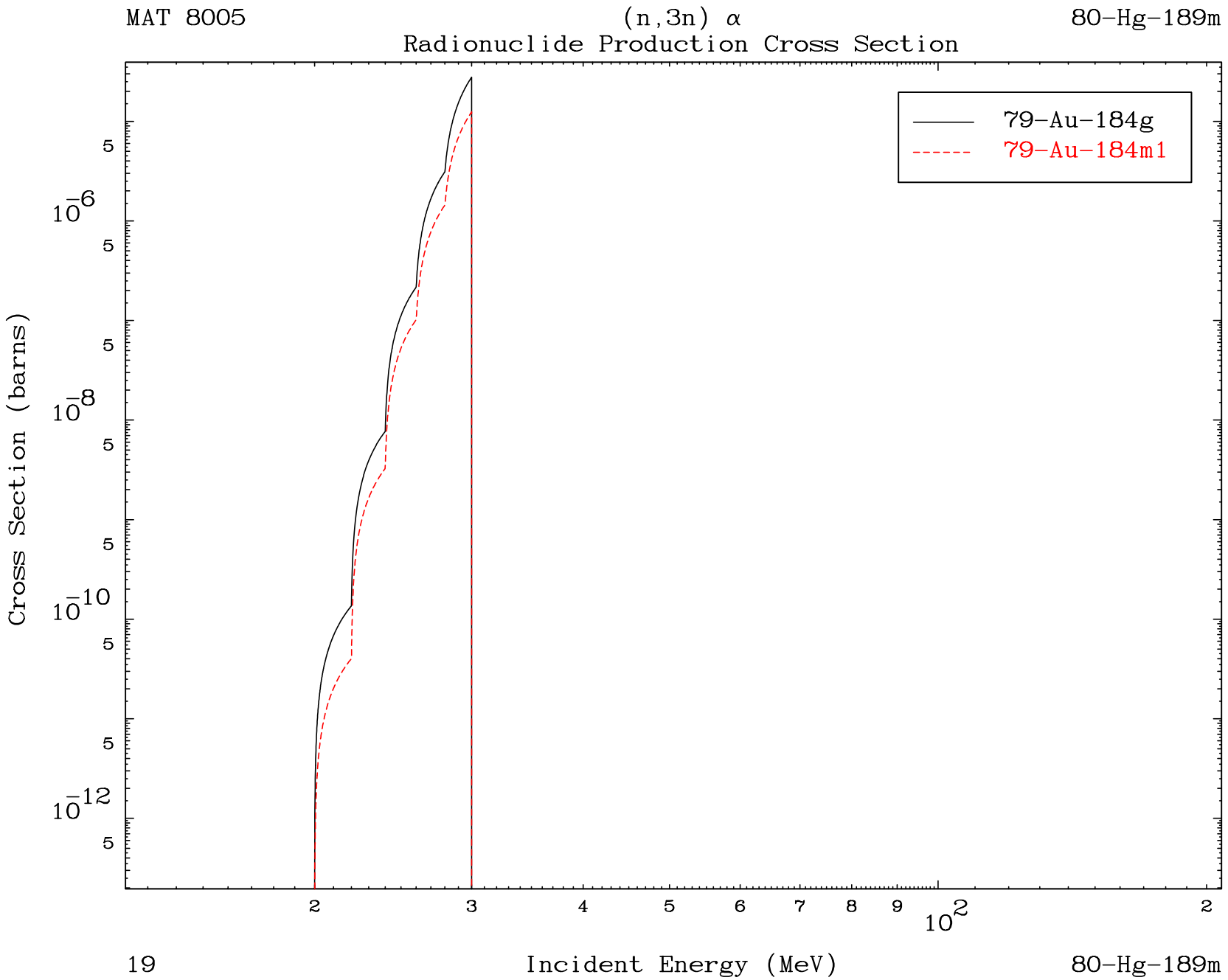

MAT 8005
(n,2n) d
80-Hg-189m
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
14
80-Hg-189m

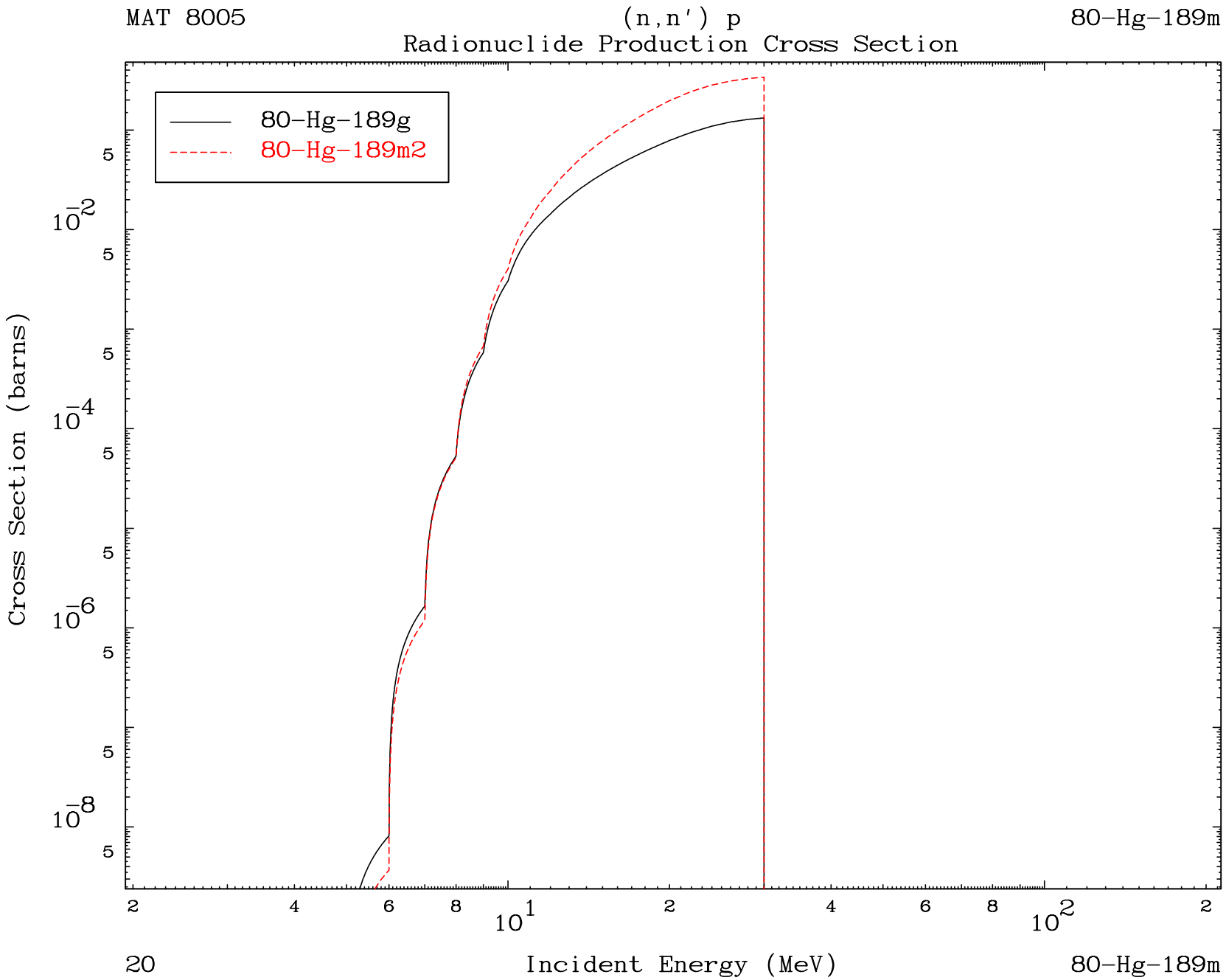

MAT 8005
(n,2n)
80-Hg-189m
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
81-Tl-189g
81-Tl-189m1
15
80-Hg-189m

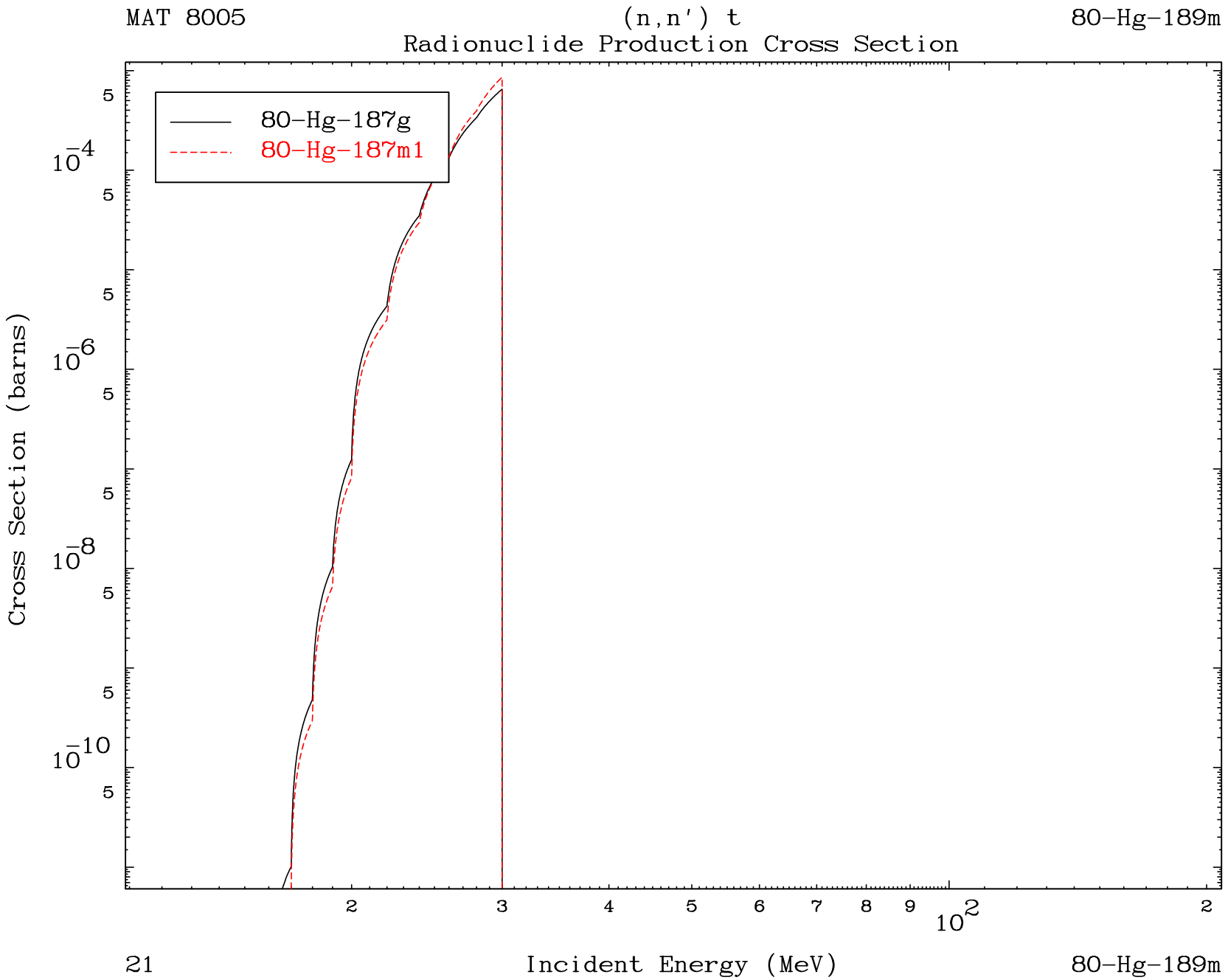

MAT 8005
(n,3n)
80-Hg-189m
Radionuclide Production Cross Section
81-Tl-188g
81-Tl-188m1
Cross Section (barns)
Incident Energy (MeV)
16
80-Hg-189m

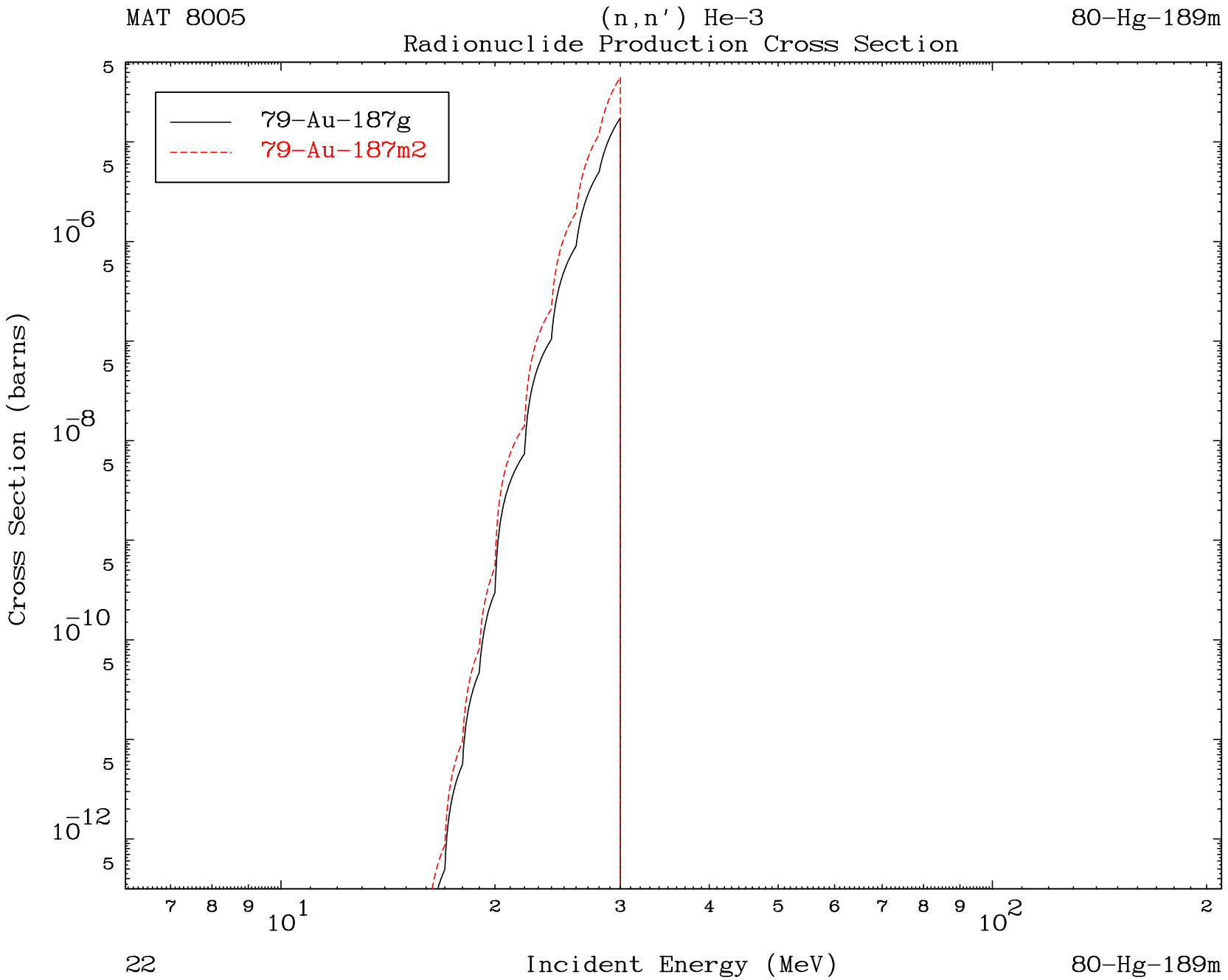

MAT 8005
Fission
80-Hg-189m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
17
80-Hg-189m

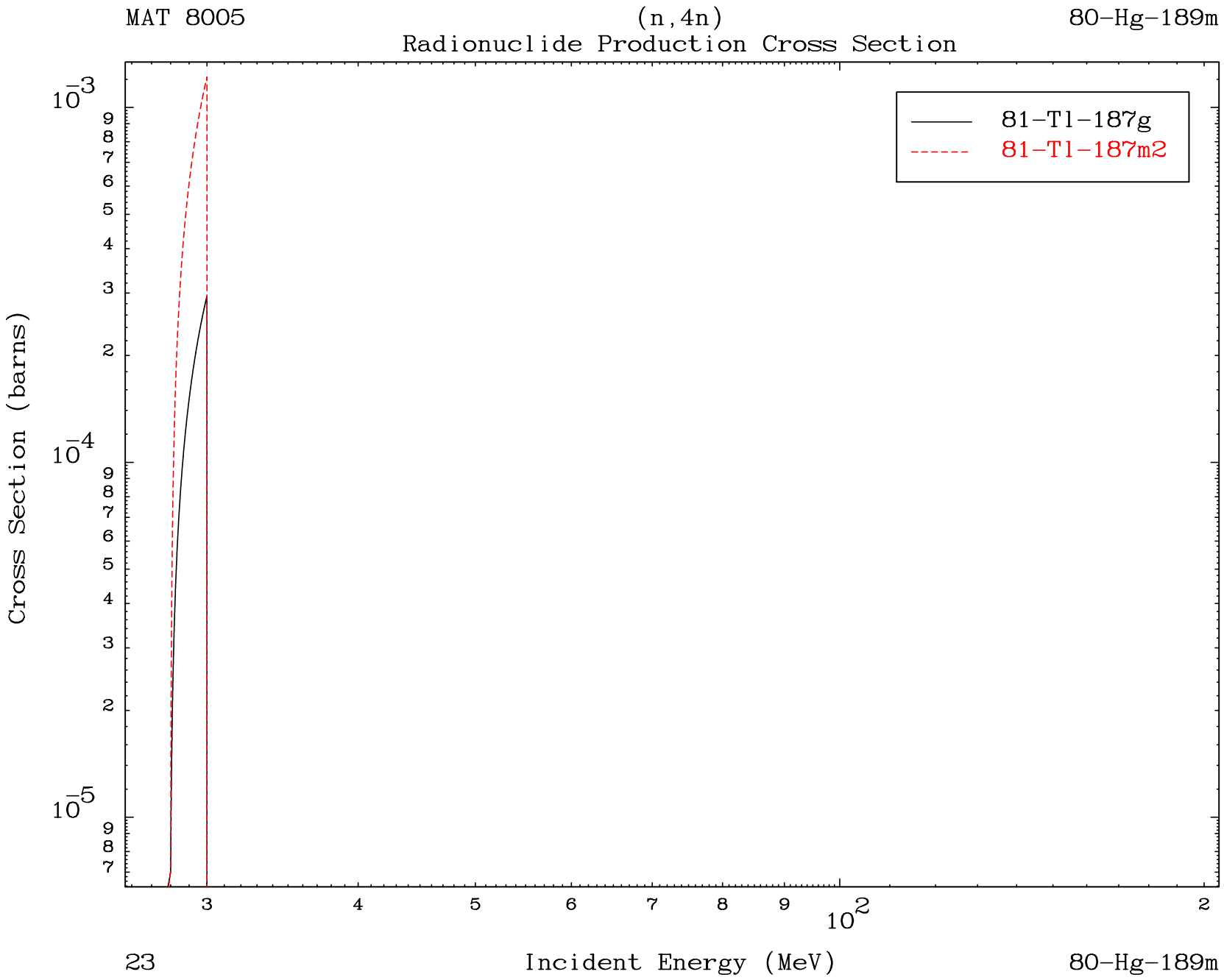

MAT 8005
(n,2n) α
80-Hg-189m
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
Incident Energy (MeV)
18
80-Hg-189m

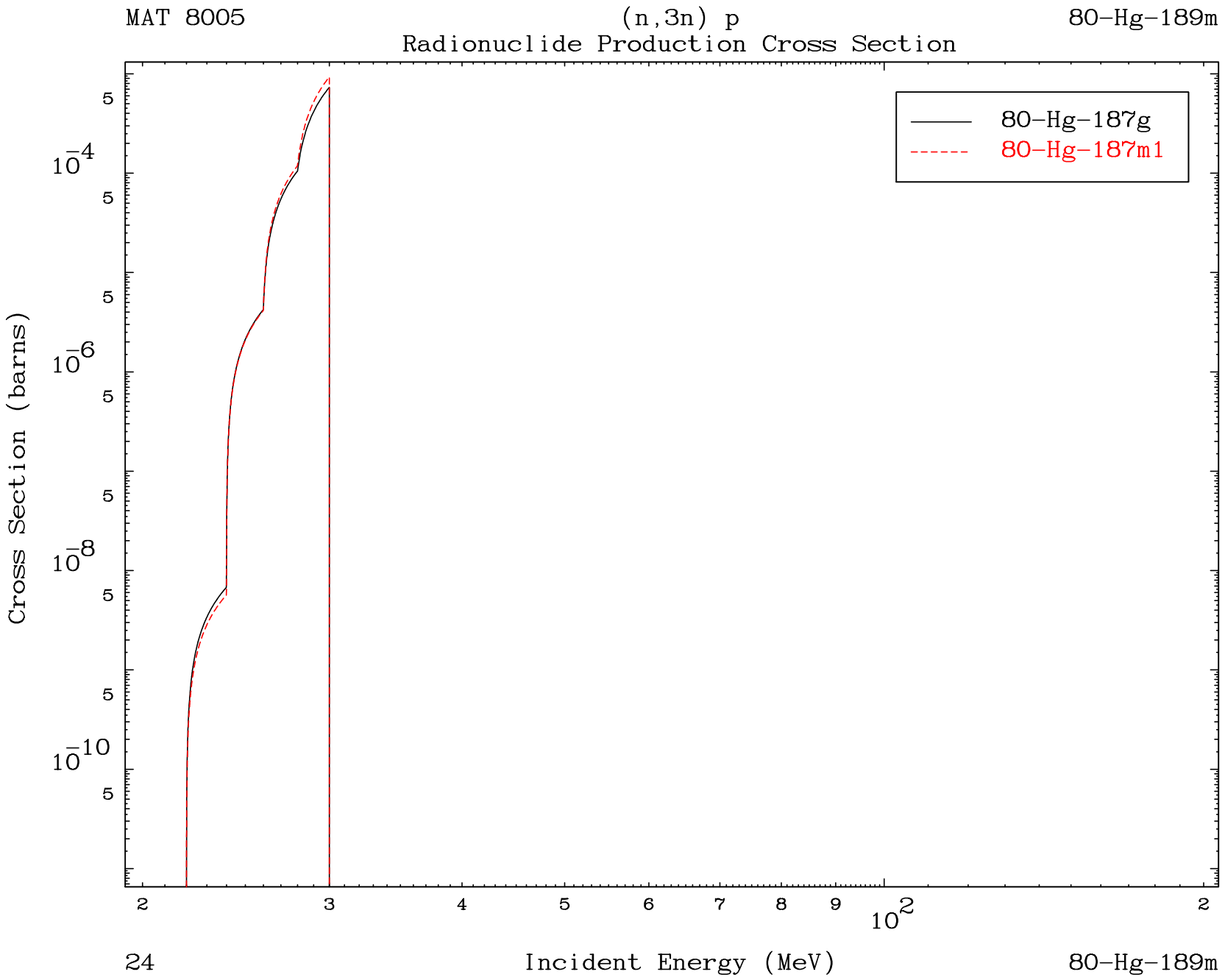

MAT 8005
(n,3n) α
80-Hg-189m
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
80-Hg-189m

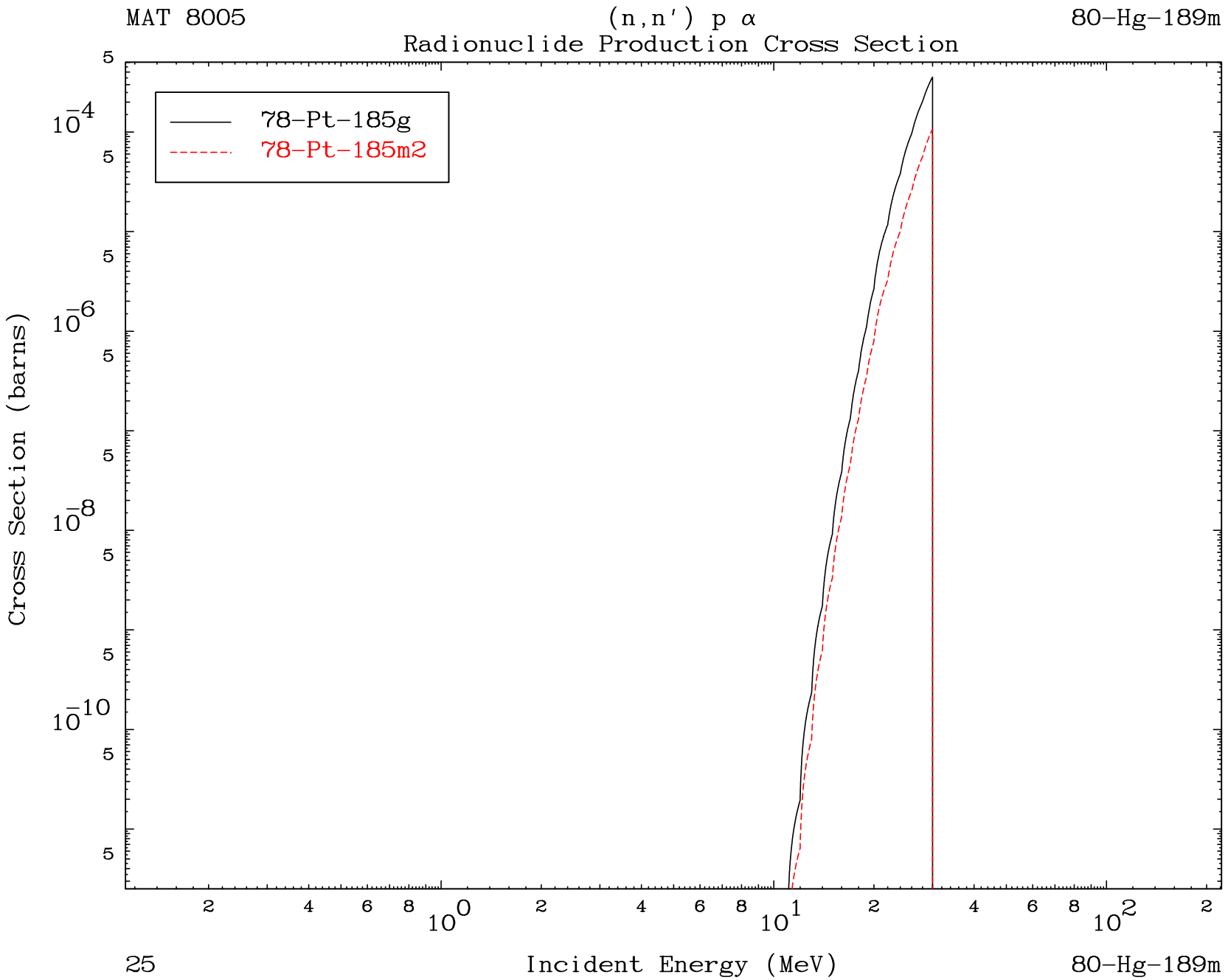

MAT 8005
(n,n') p
80-Hg-189m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
20
Incident Energy (MeV)
80-Hg-189m

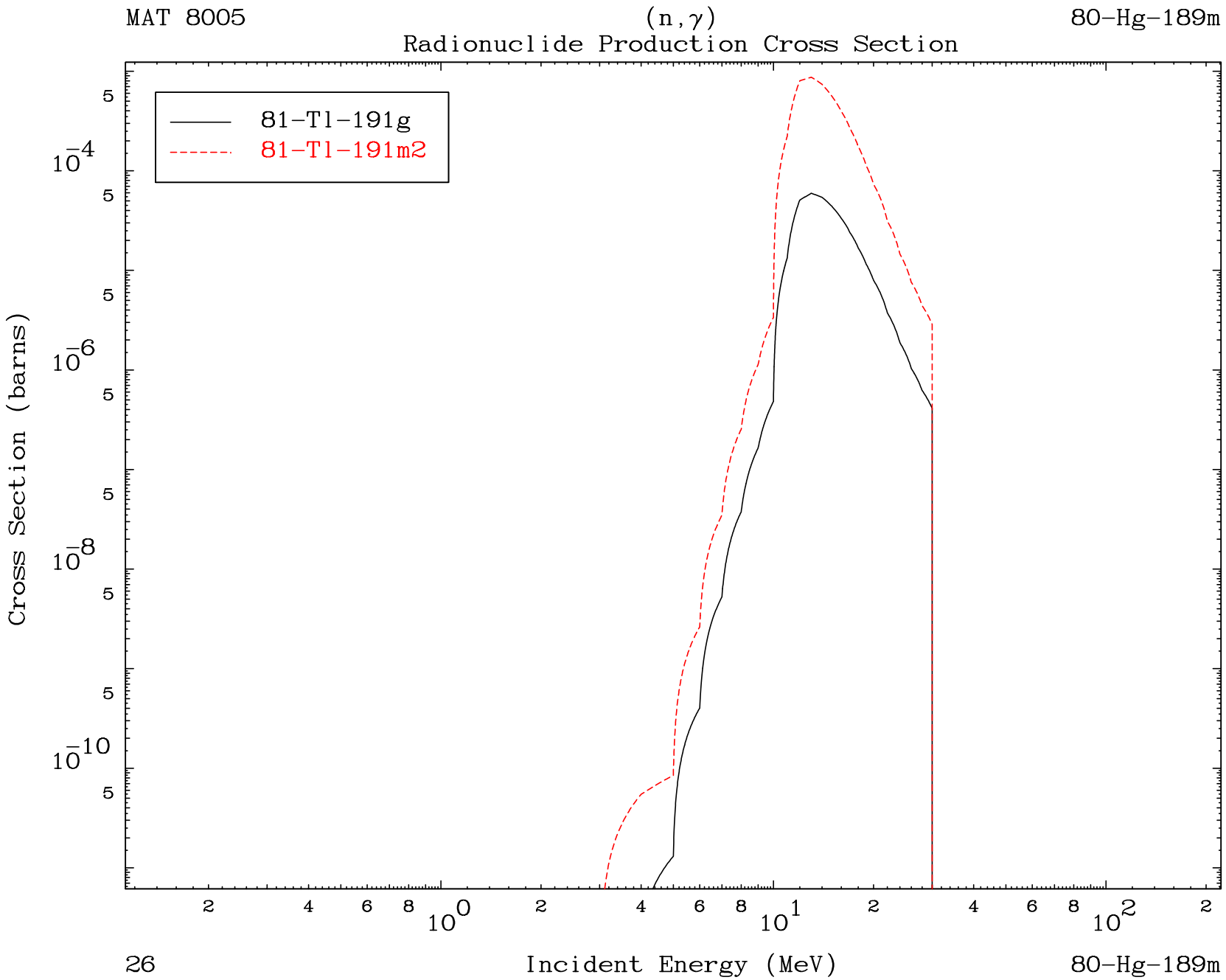

MAT 8005
(n,n') t
80-Hg-189m
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
80-Hg-189m

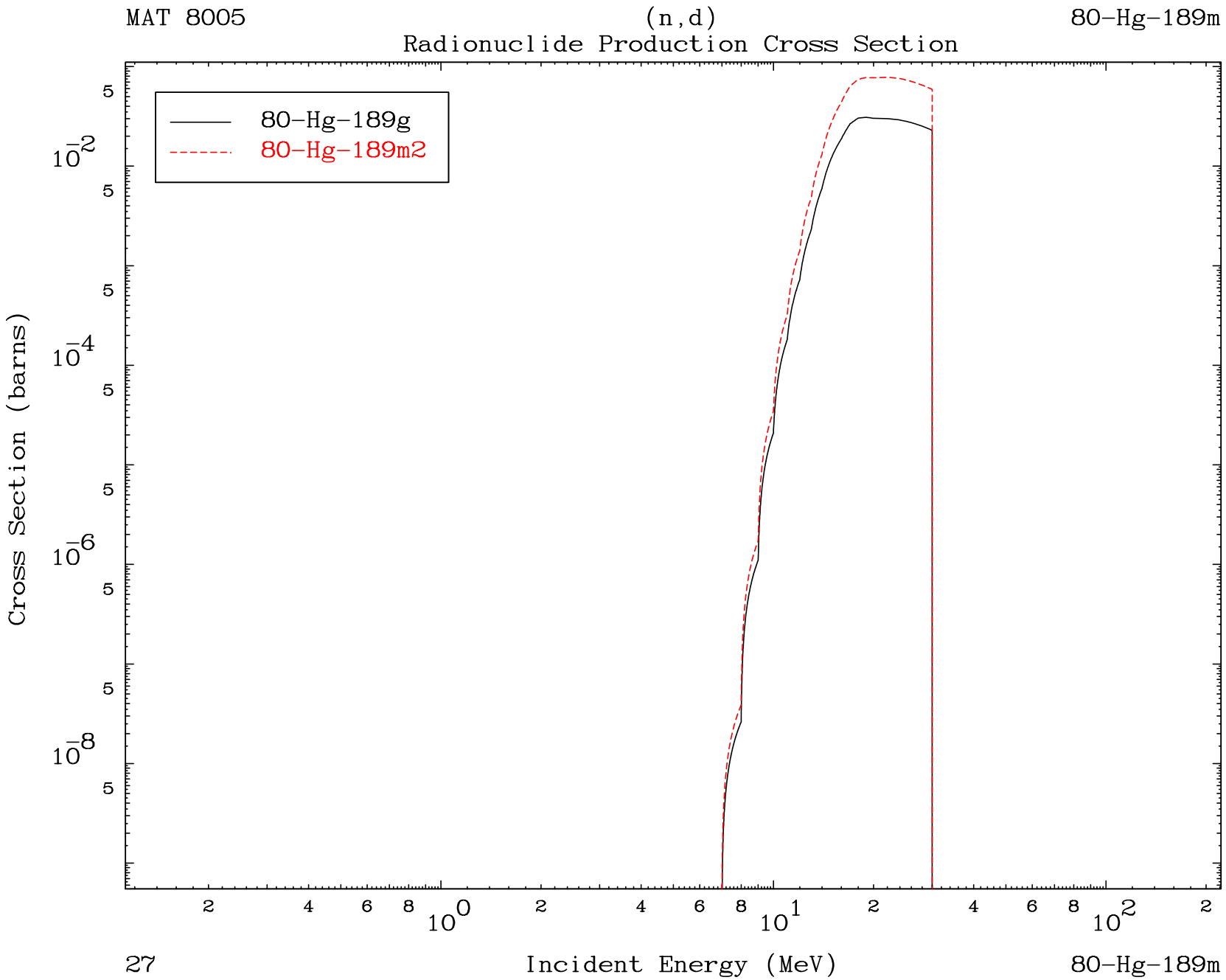

MAT 8005
(n,n') He-3
80-Hg-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
22
80-Hg-189m

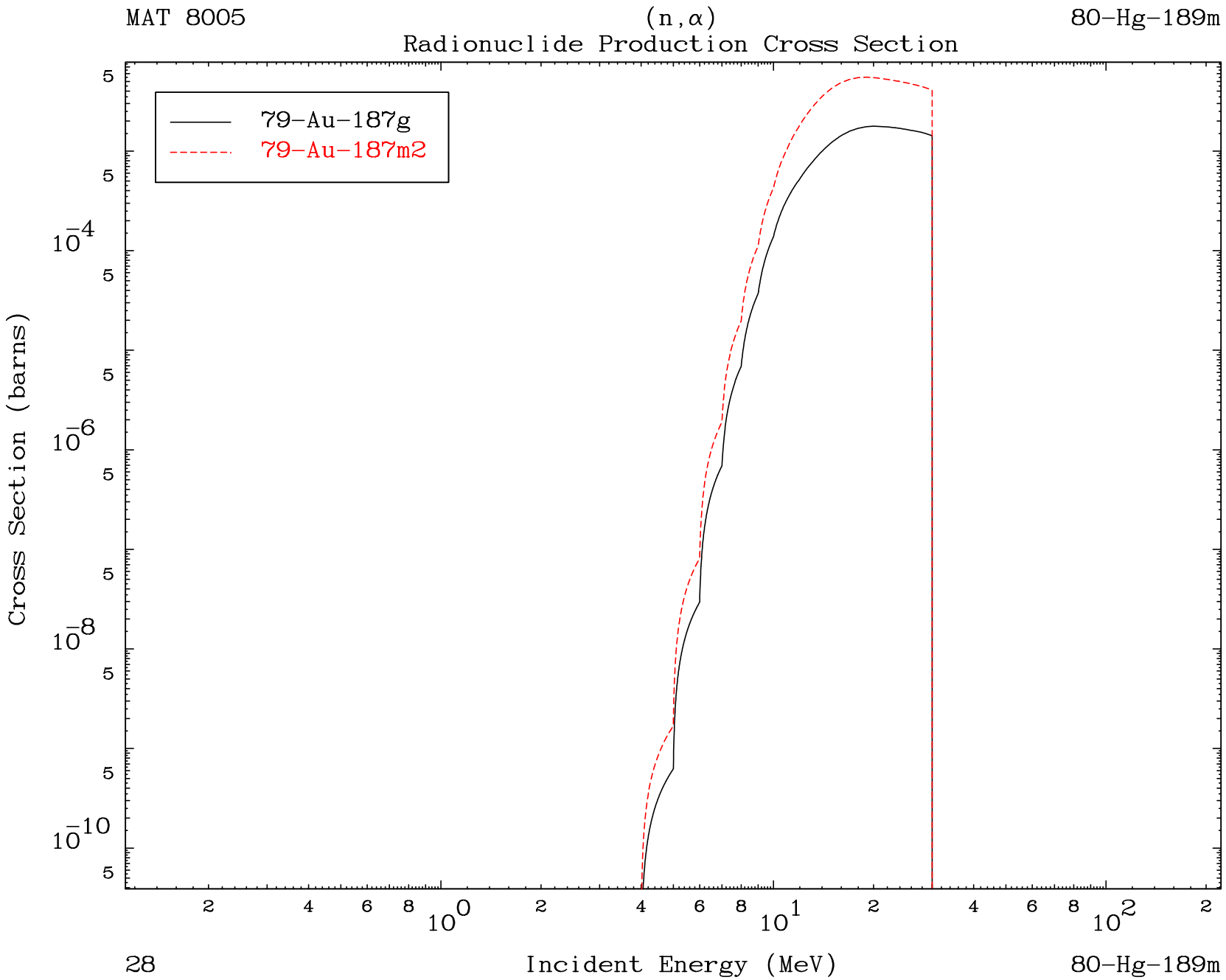

MAT 8005
(n,4n)
80-Hg-189m
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
23
80-Hg-189m

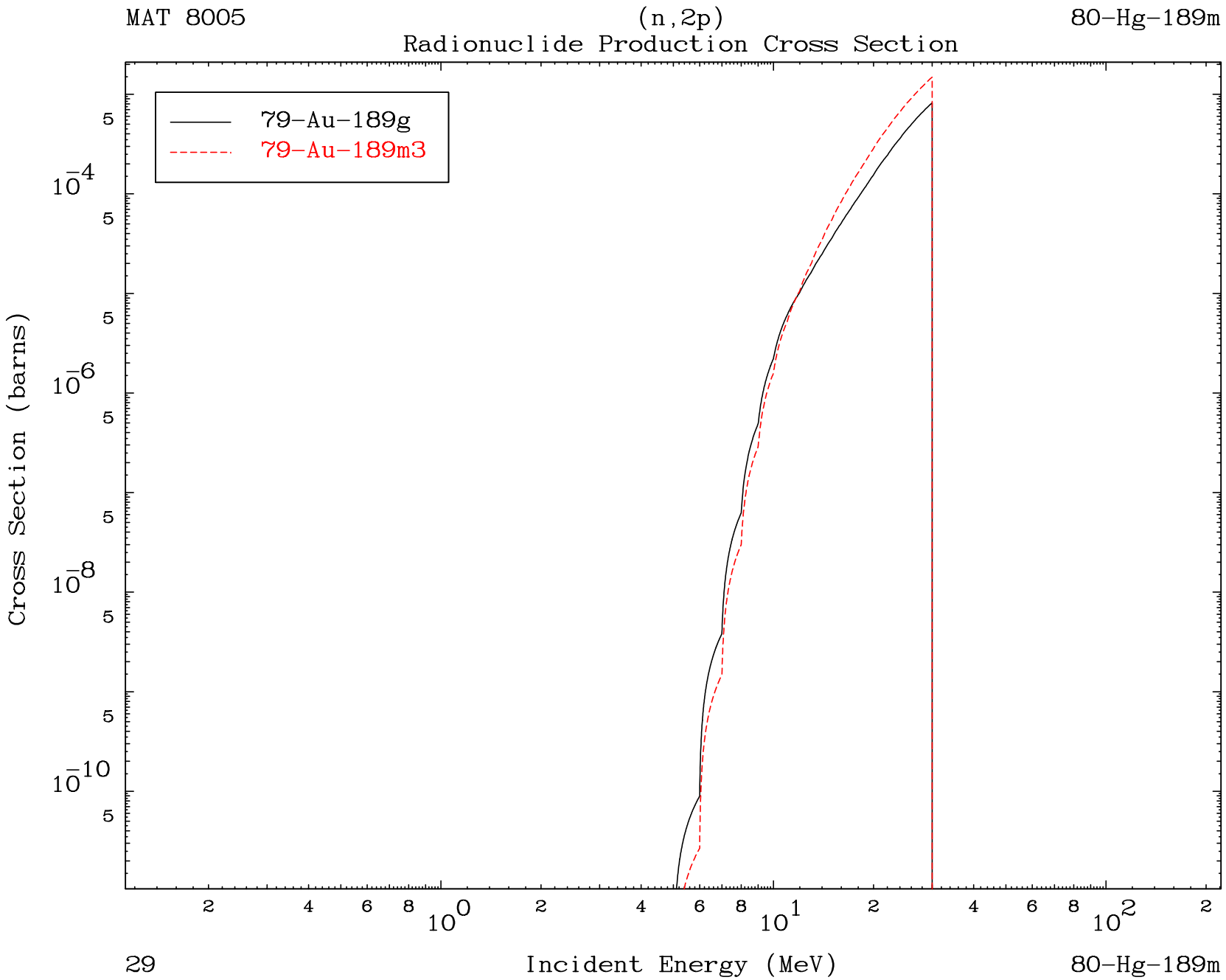

MAT 8005
(n,3n) p
80-Hg-189m
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
80-Hg-189m

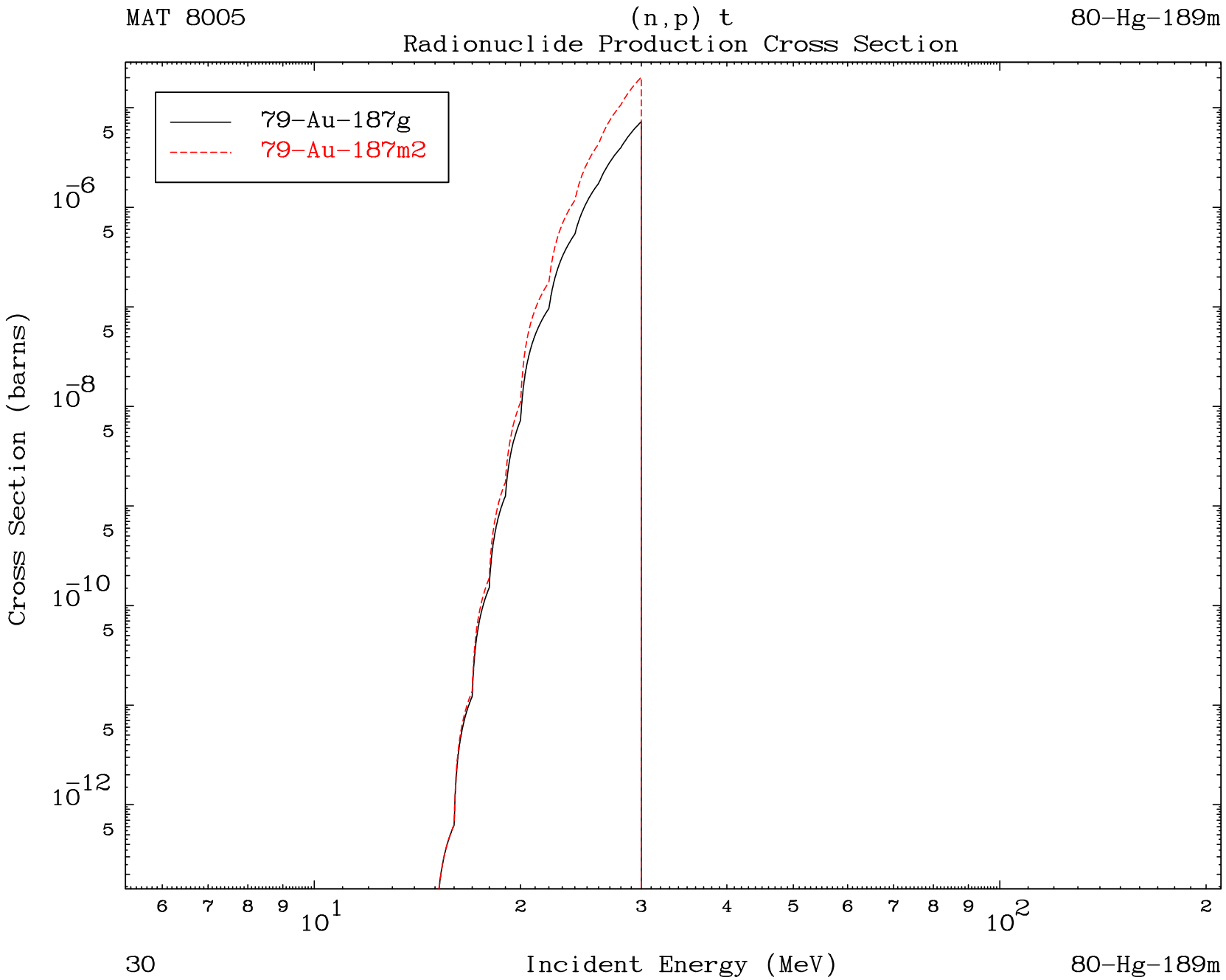

MAT 8005
(n,n') p α
80-Hg-189m
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
25
80-Hg-189m

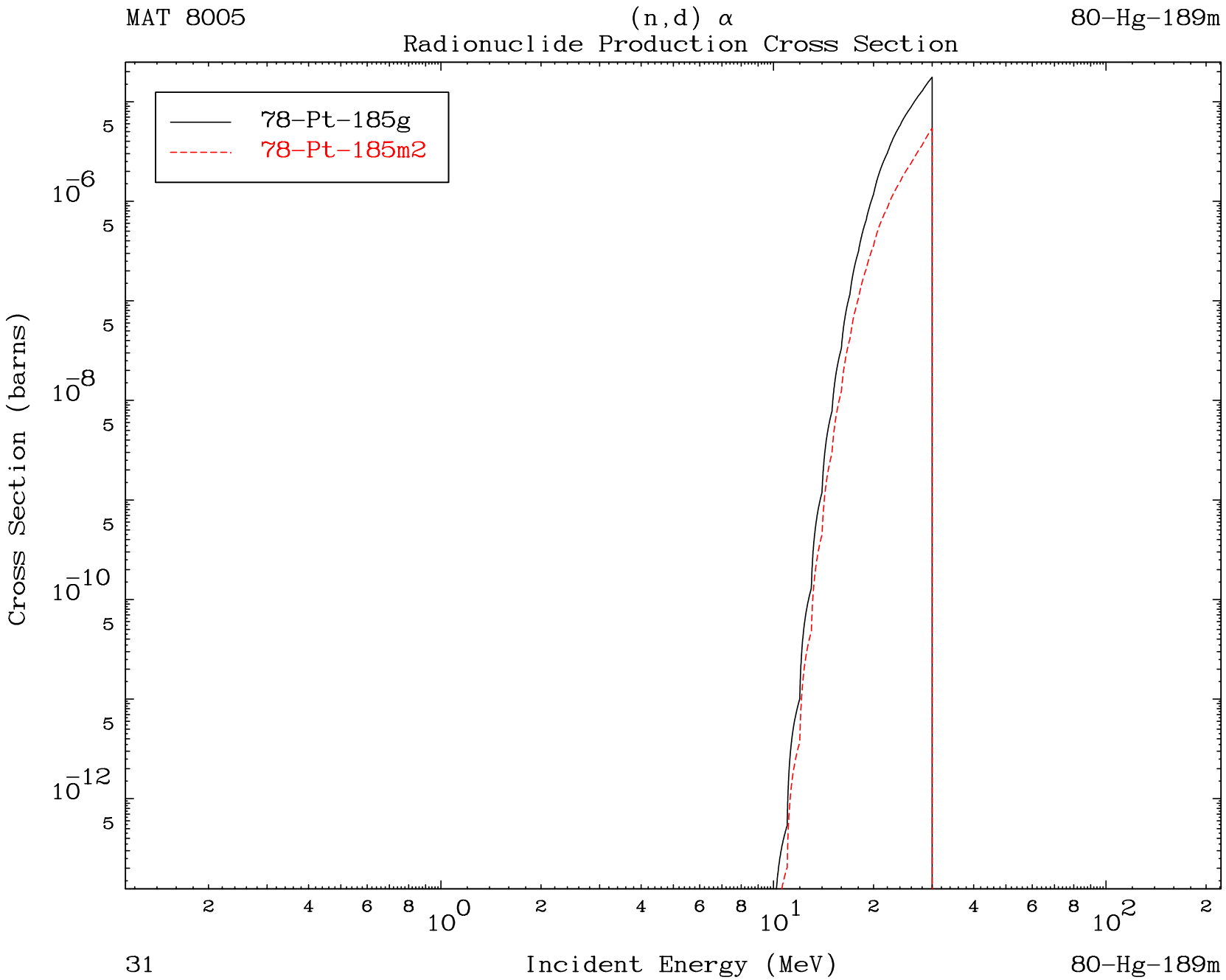

MAT 8005
(n,γ)
80-Hg-189m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
Incident Energy (MeV)
26
80-Hg-189m


MAT 8005
(n,d)
80-Hg-189m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
27
80-Hg-189m


MAT 8005
(n,α)
80-Hg-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
28
80-Hg-189m


MAT 8005
(n,2p)
80-Hg-189m
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
29
80-Hg-189m


MAT 8005
(n,p) t
80-Hg-189m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
30
Incident Energy (MeV)
80-Hg-189m


MAT 8005
(n,d) α
80-Hg-189m
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
31
80-Hg-189m