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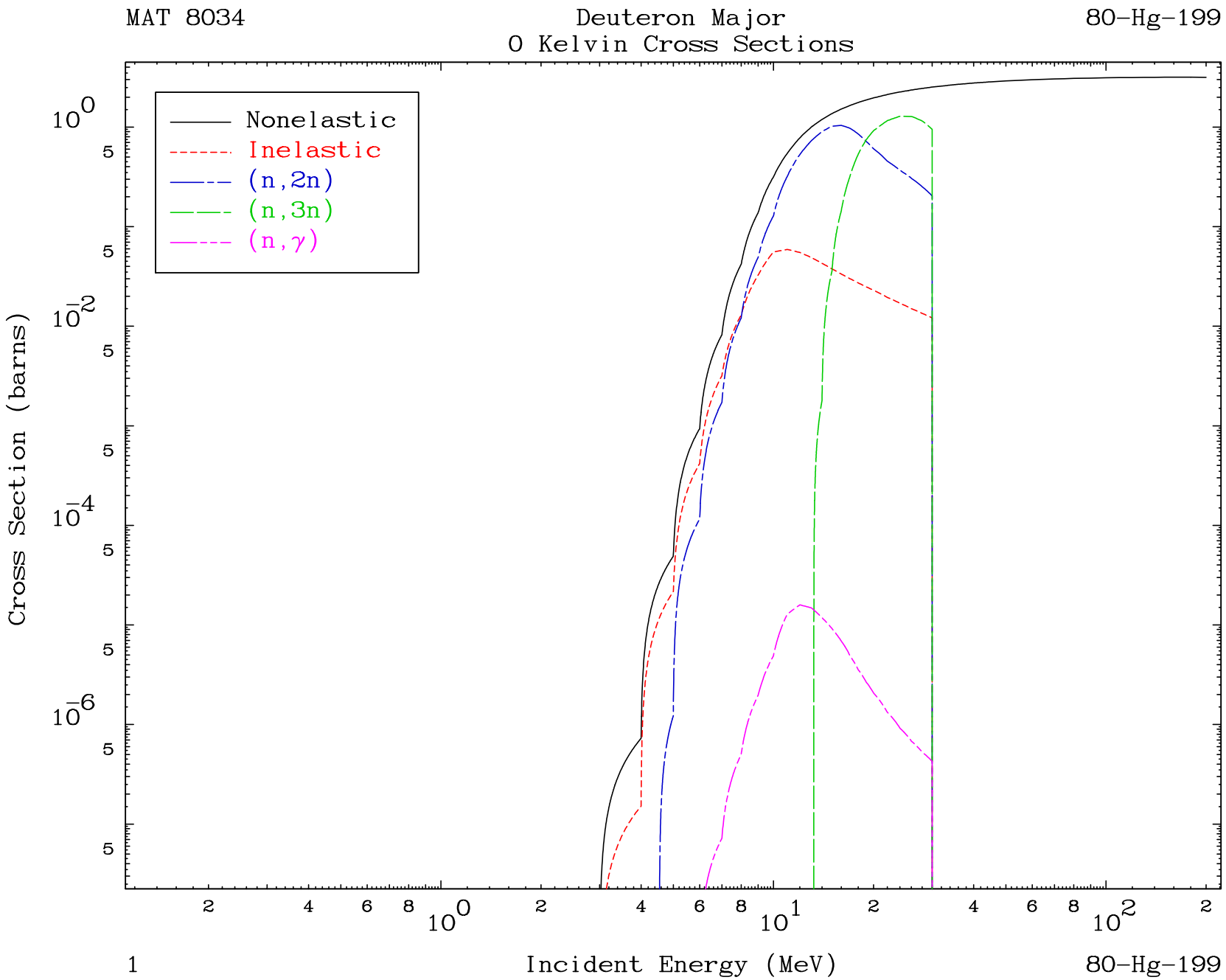
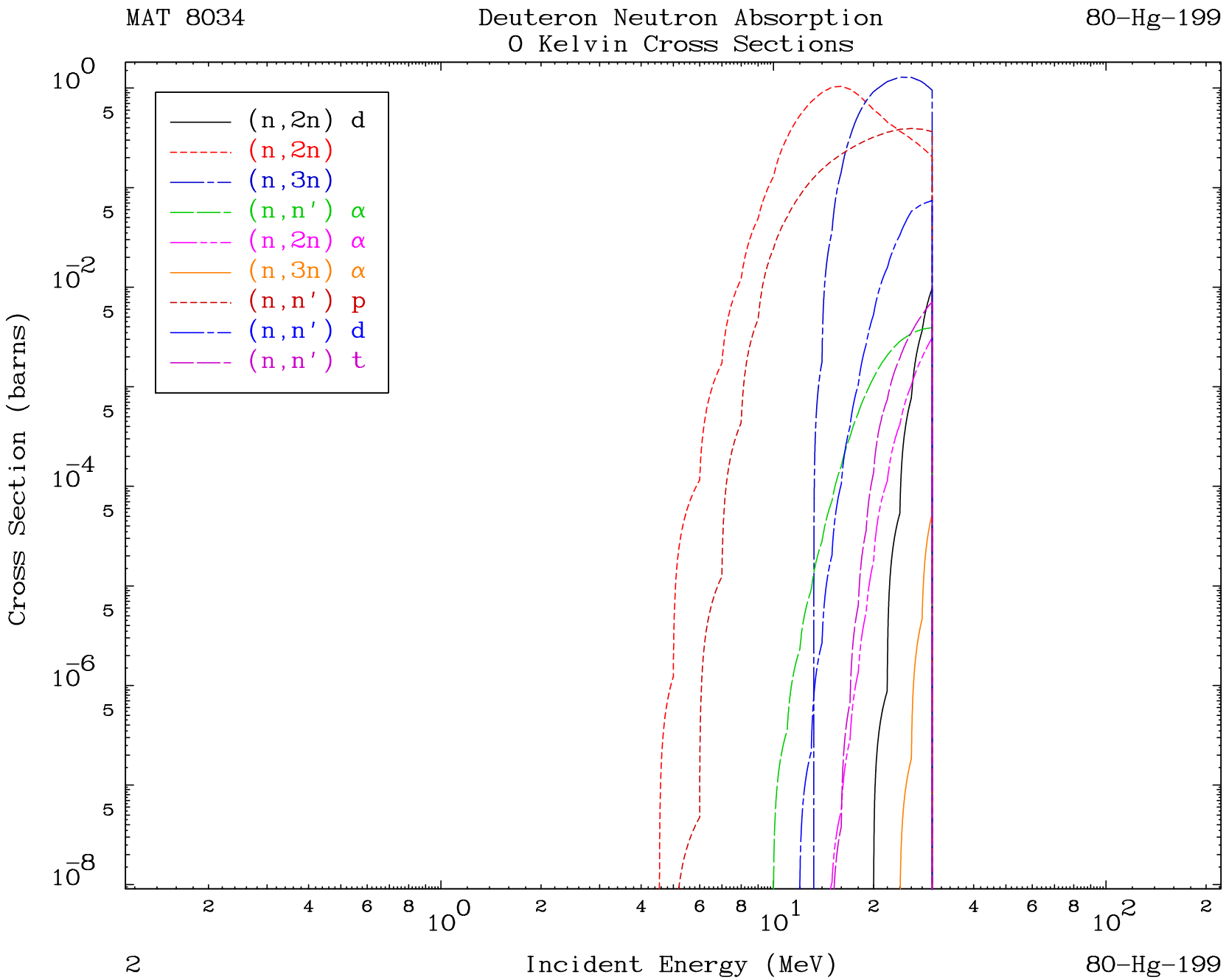
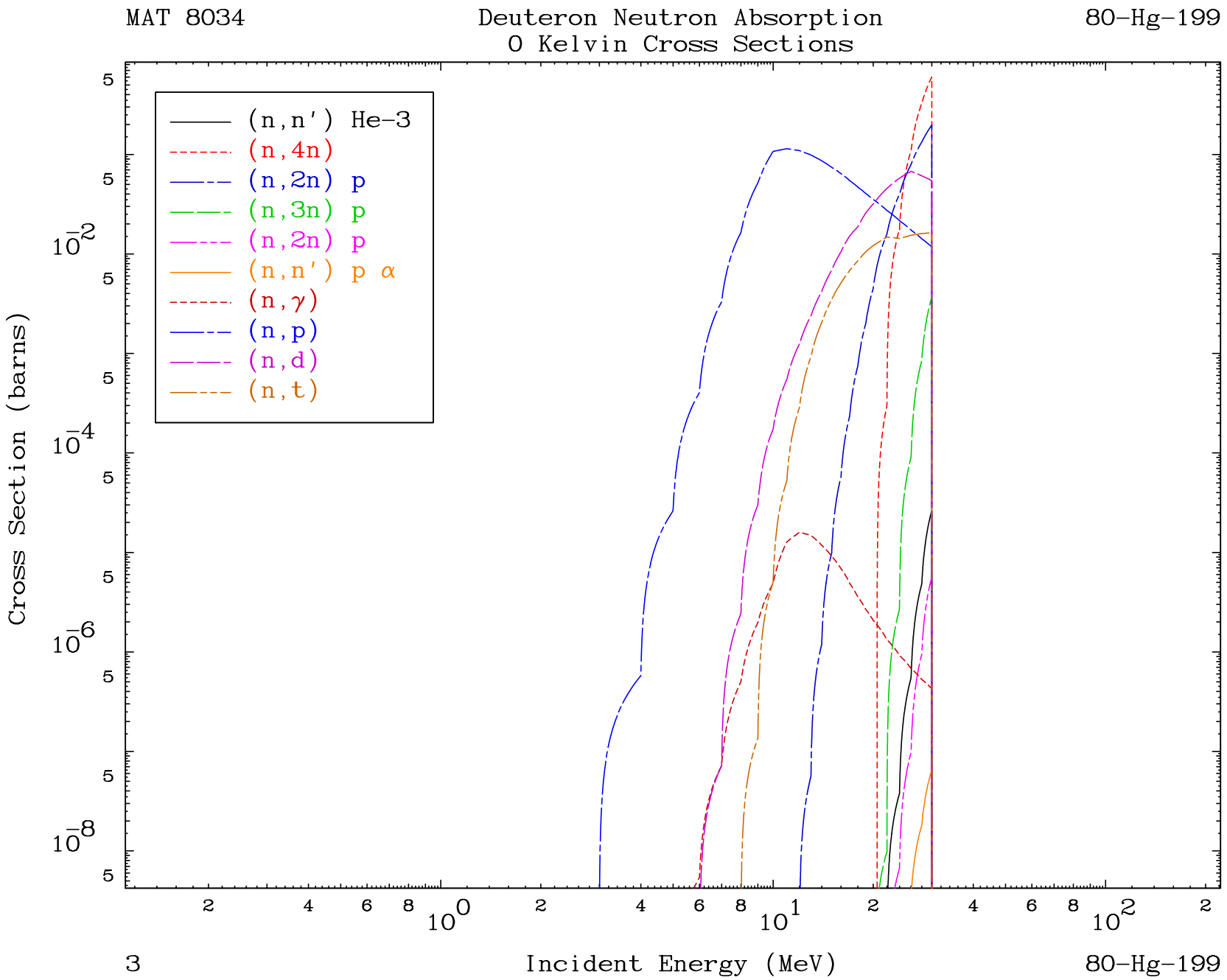
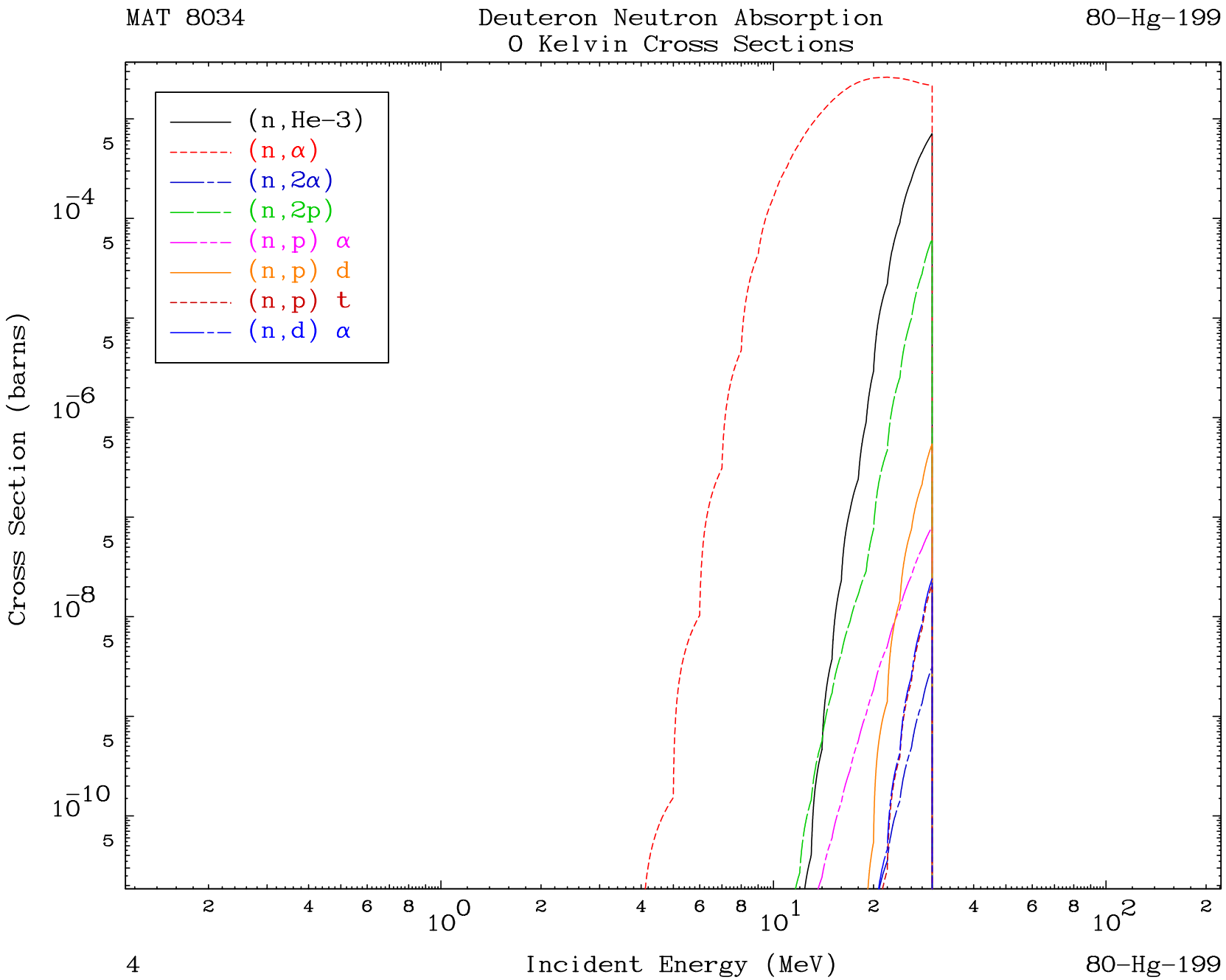
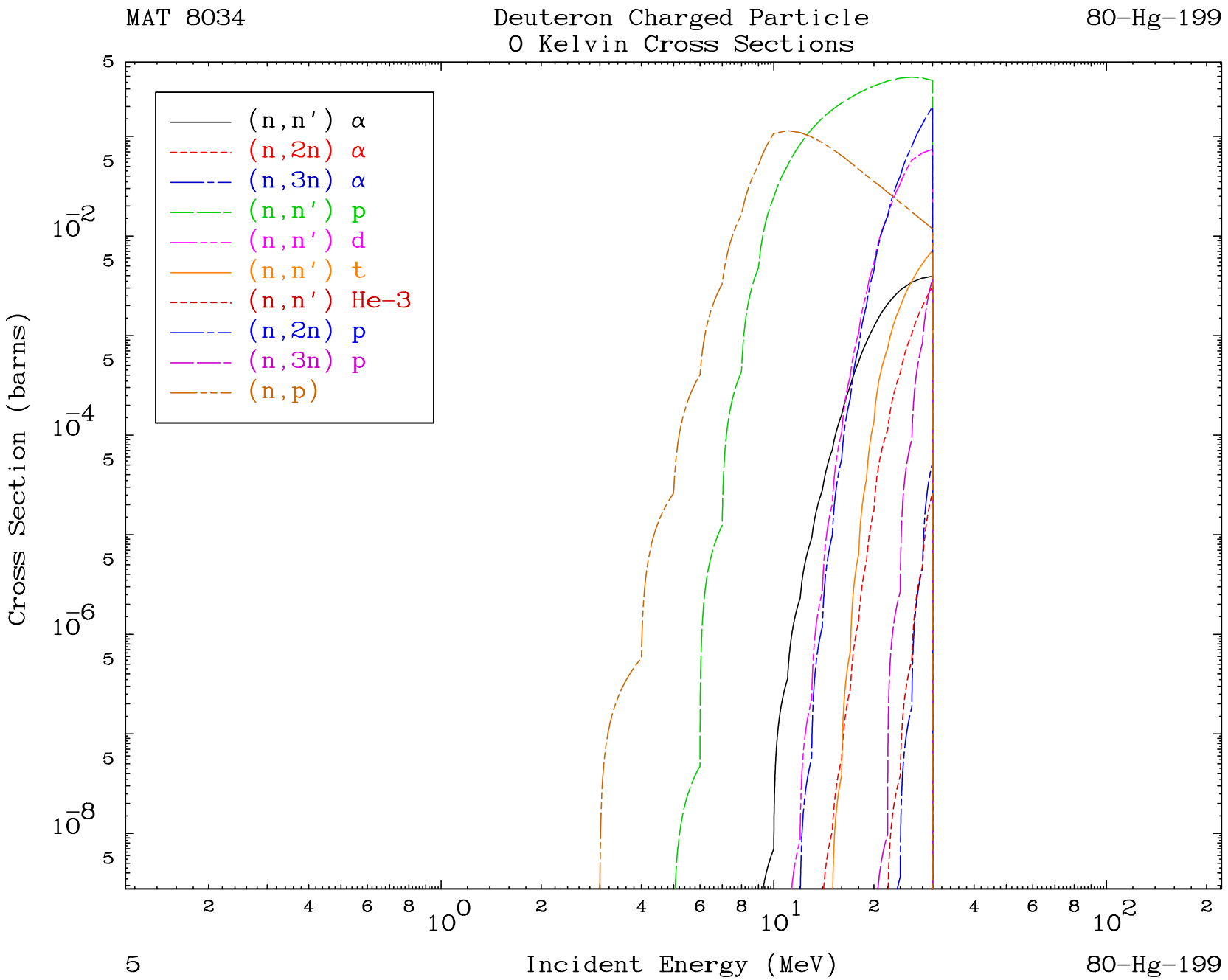
Press Mouse Button to Start

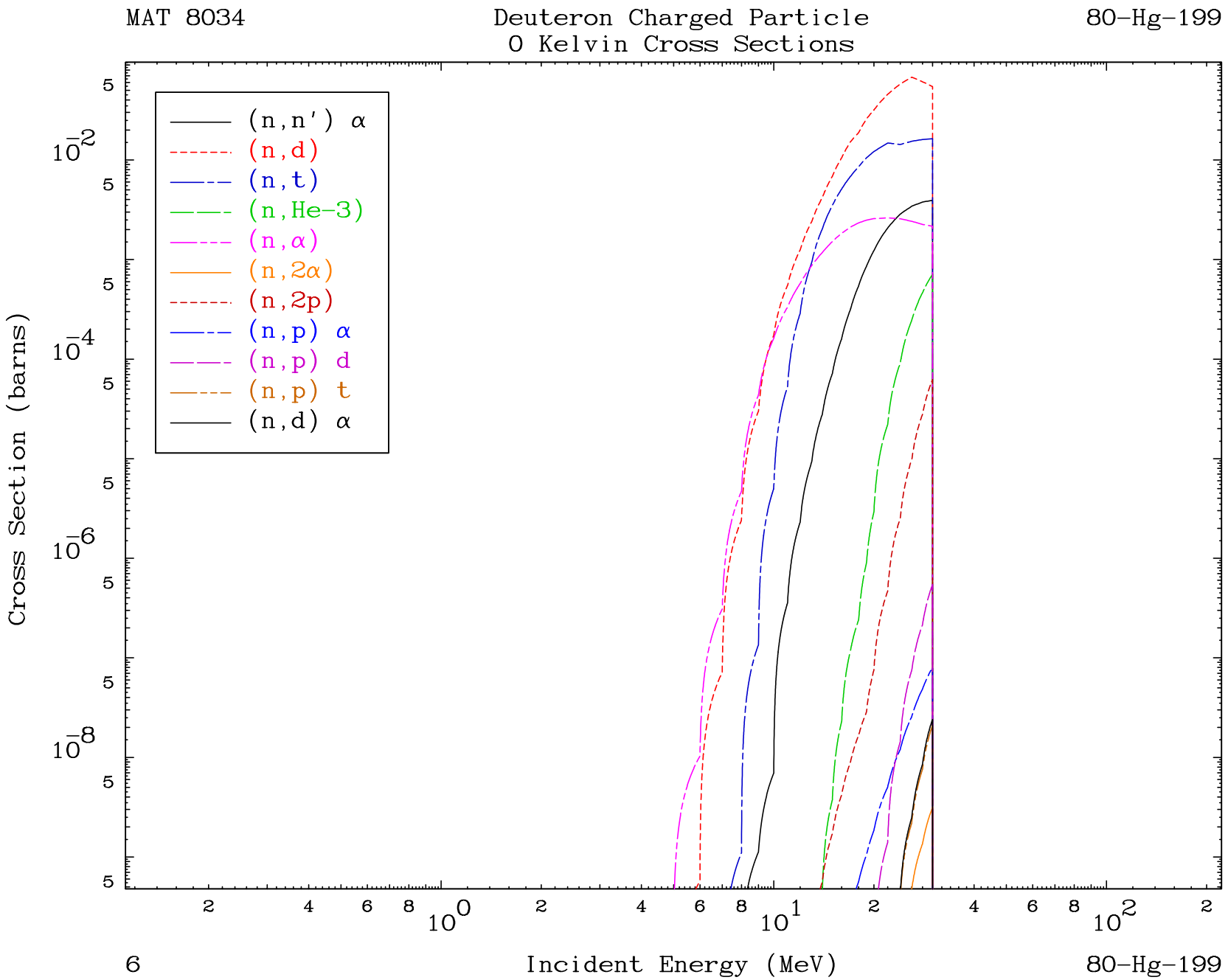

MAT 8034
Deuteron Major
80-Hg-199
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-199
1

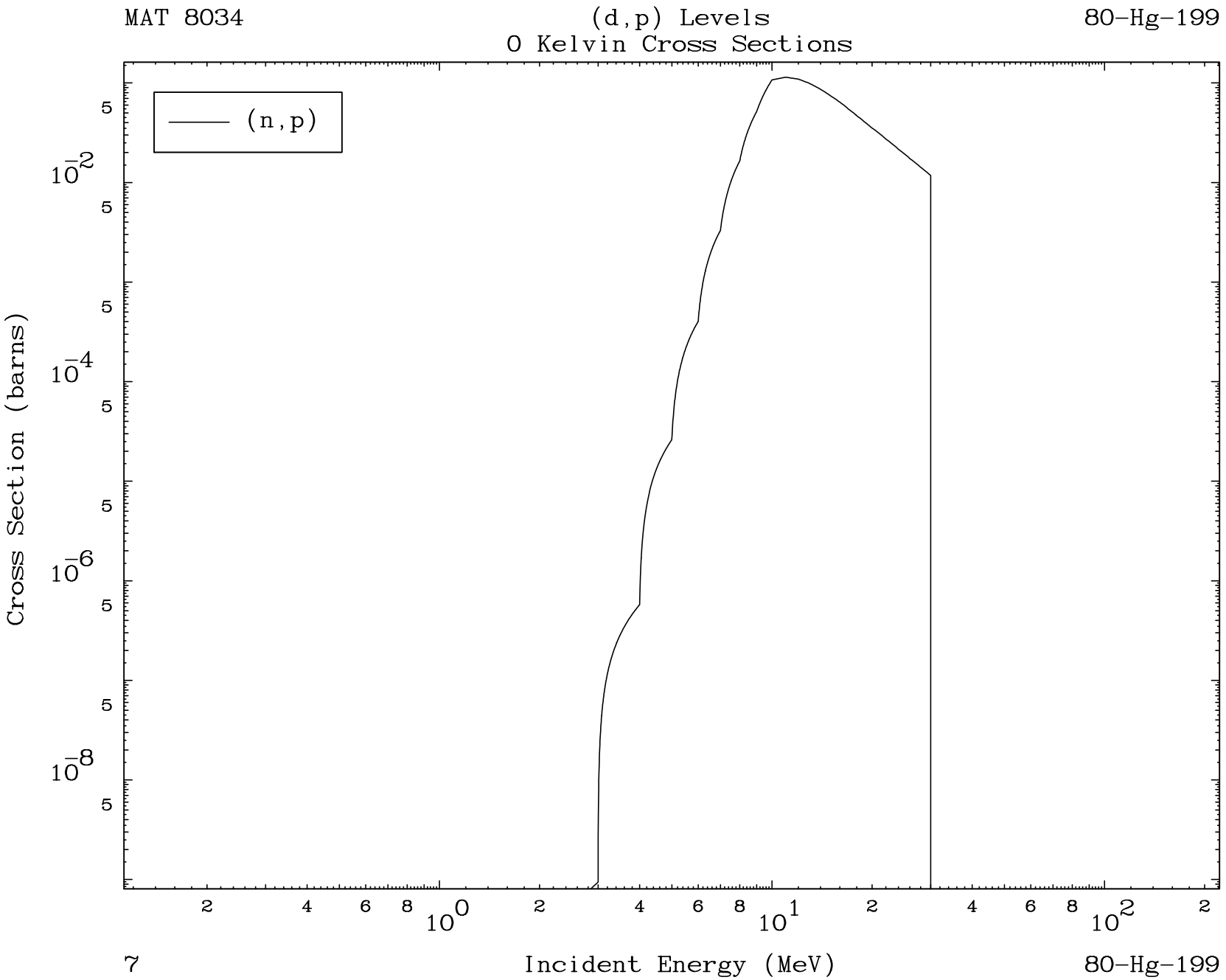

MAT 8034
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-199
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
80-Hg-199

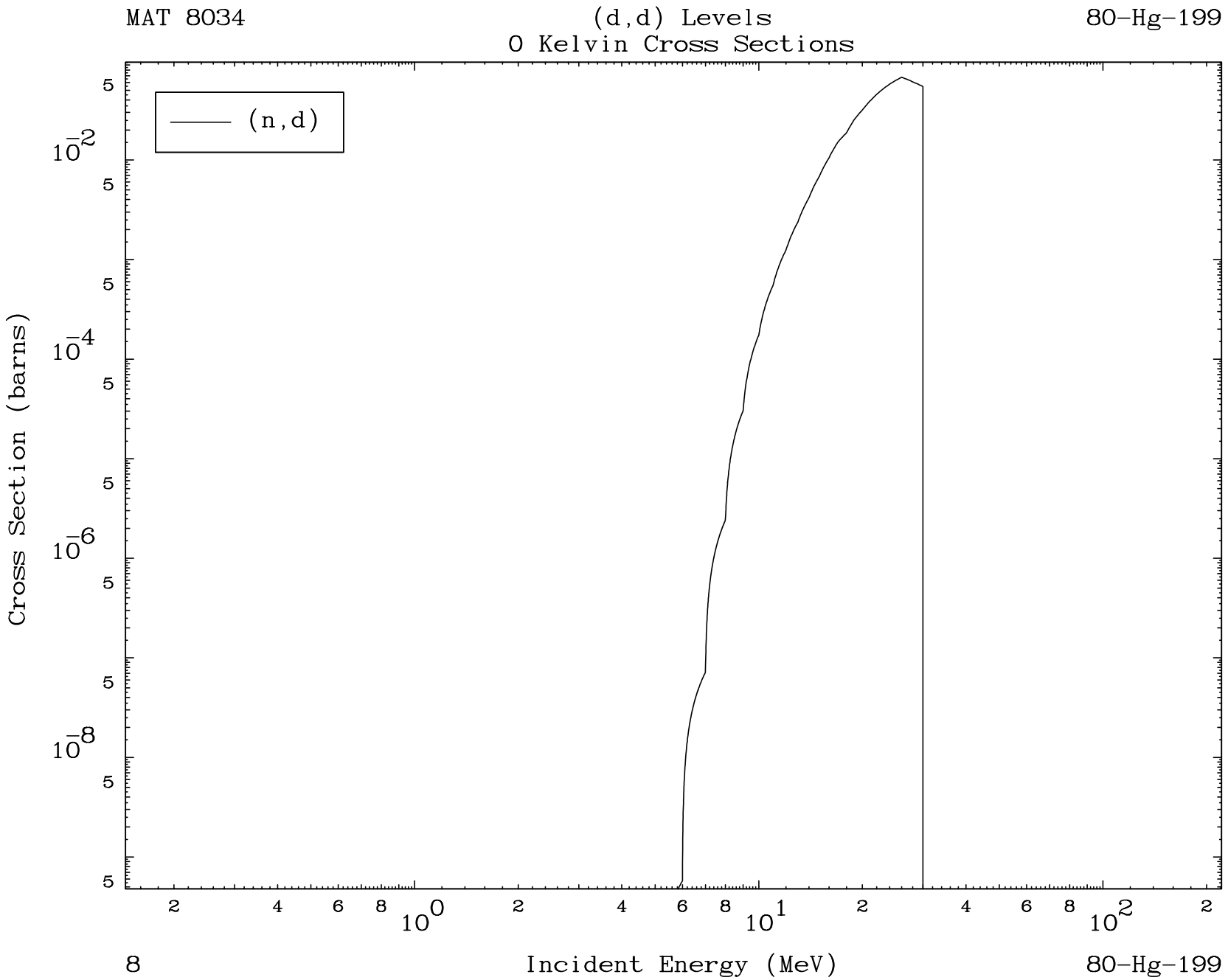

MAT 8034
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-199
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-199

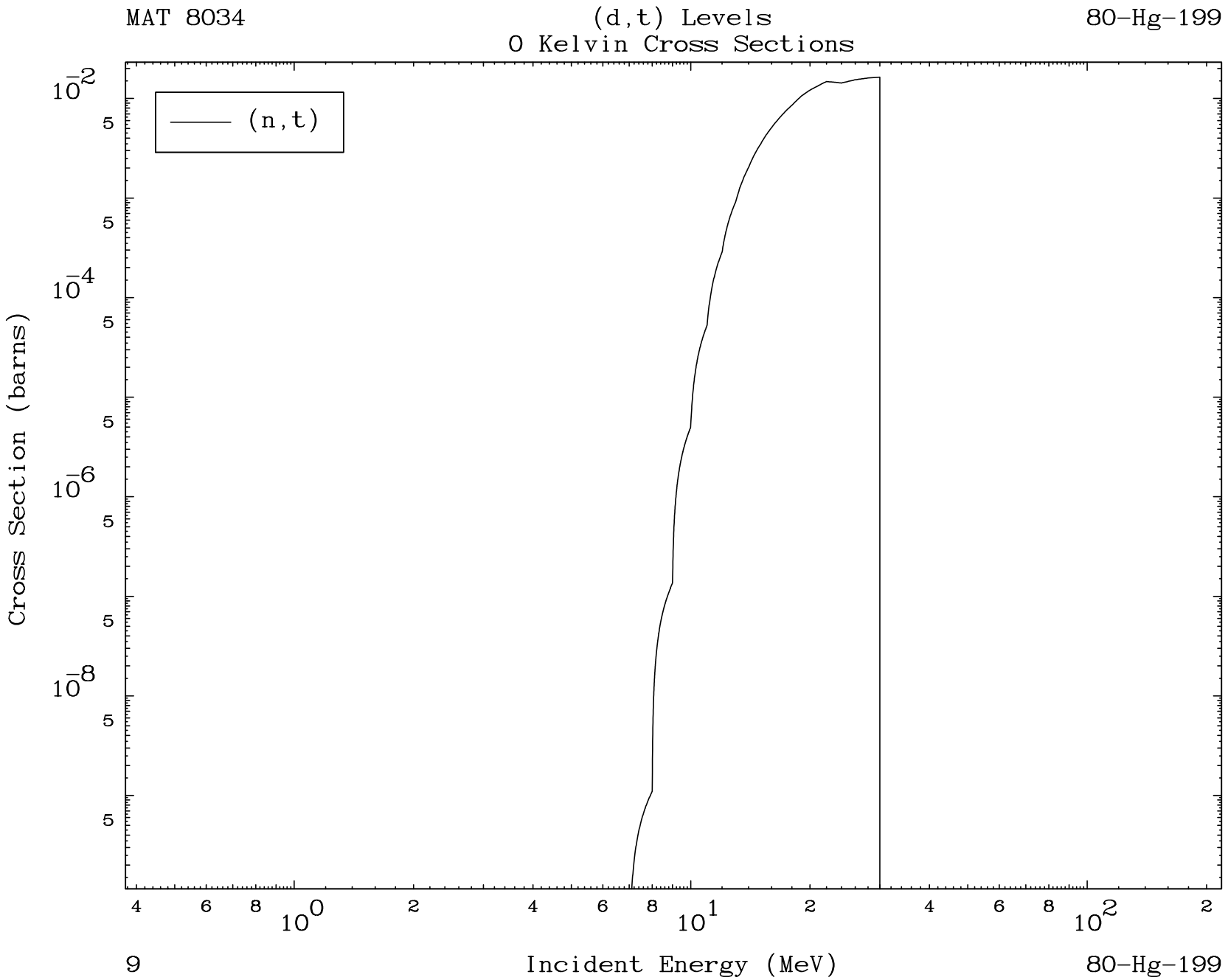

MAT 8034
Deuteron Neutron Absorption
0 Kelvin Cross Sections
80-Hg-199
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
80-Hg-199

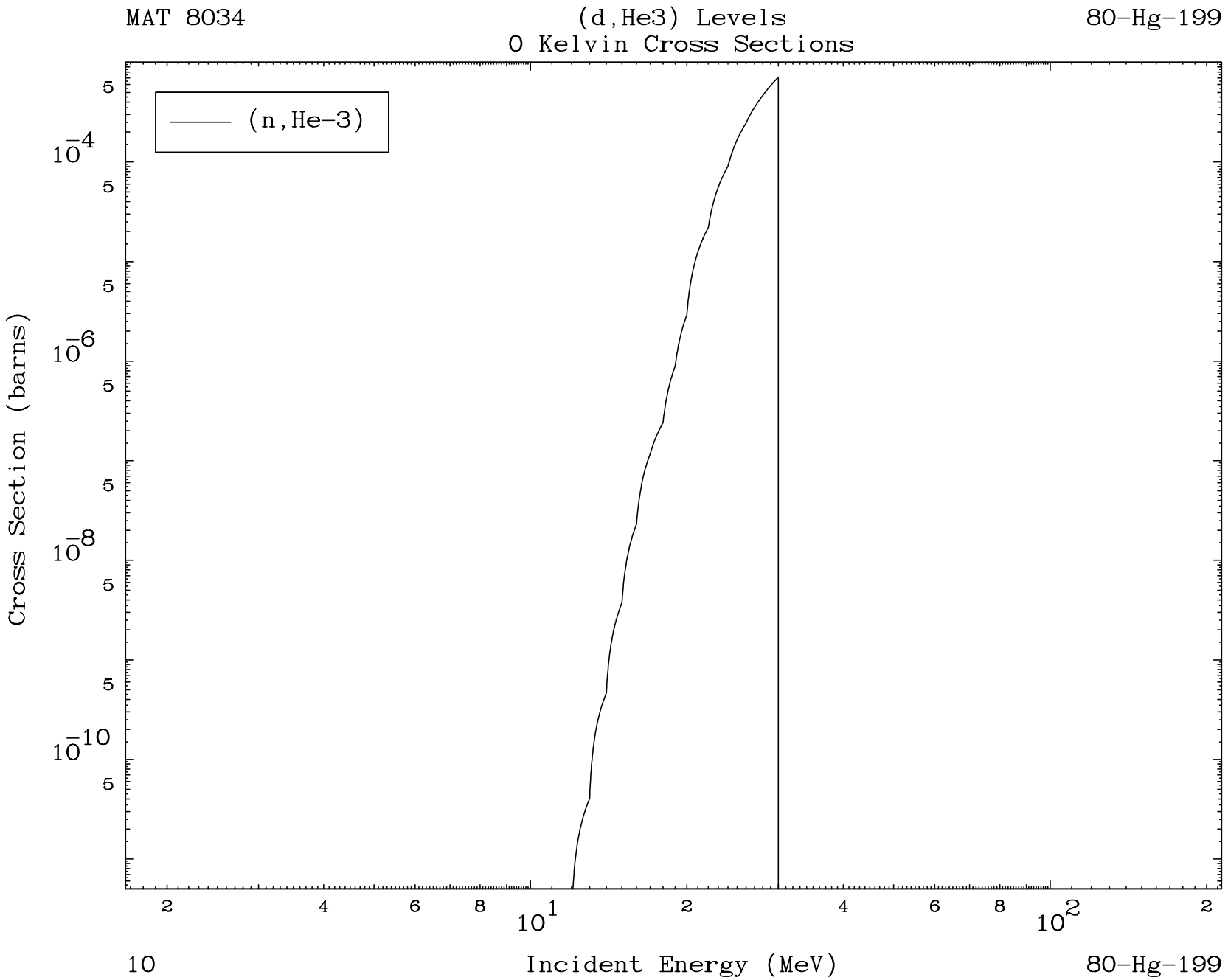

MAT 8034
Deuteron Charged Particle
0 Kelvin Cross Sections
80-Hg-199
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-199

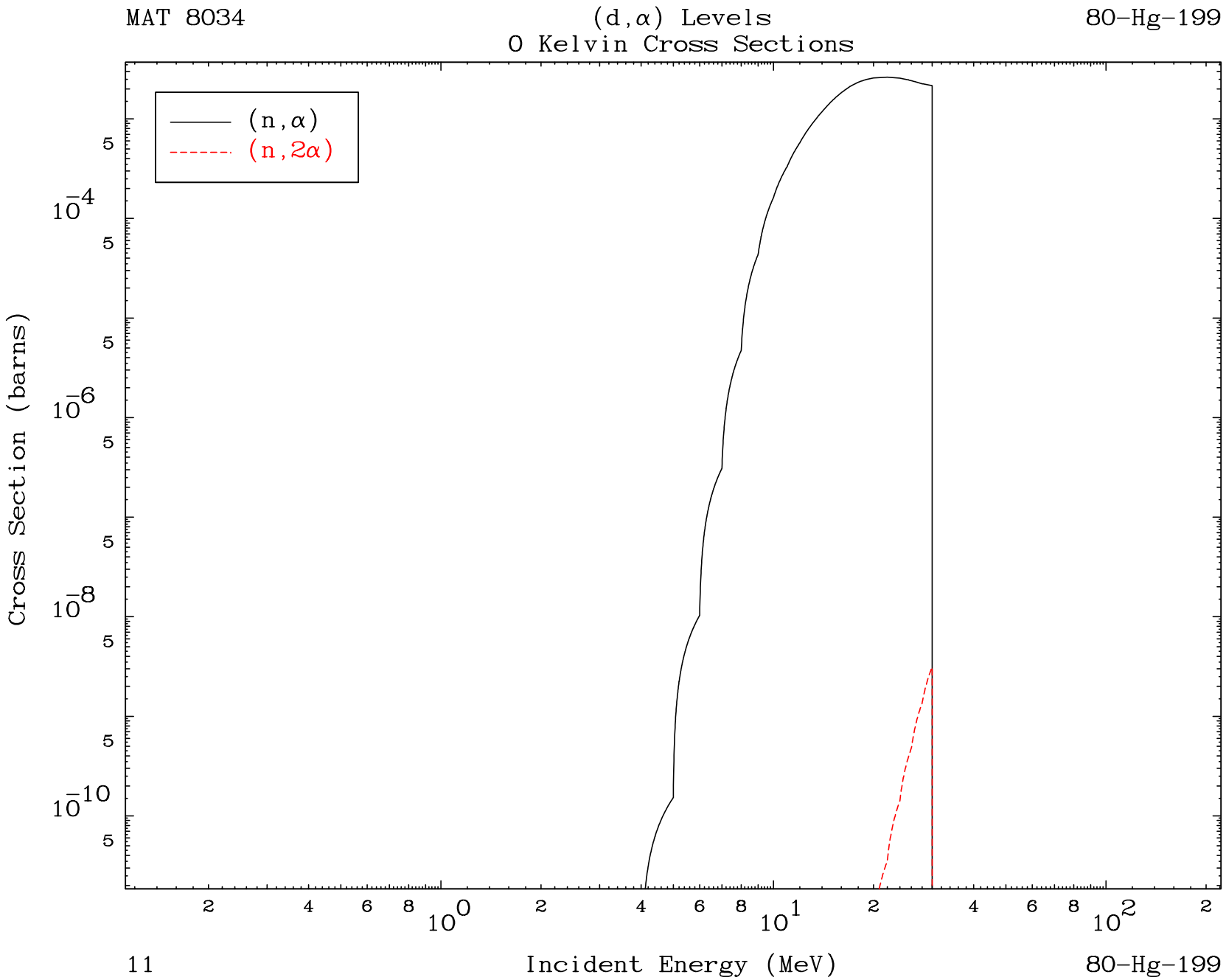

MAT 8034
Deuteron Charged Particle
0 Kelvin Cross Sections
80-Hg-199
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-199

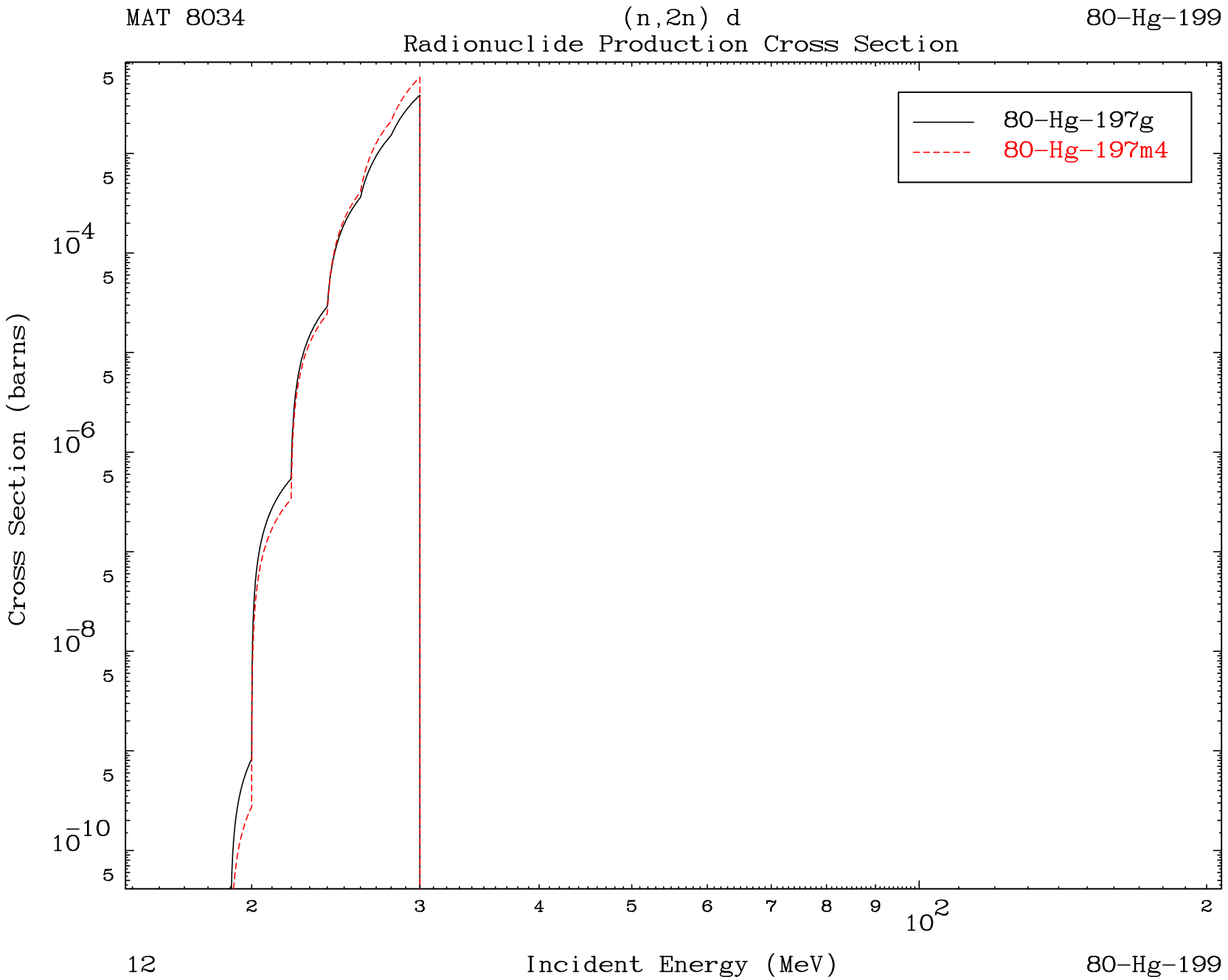

MAT 8034
(d,p) Levels
80-Hg-199
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-199

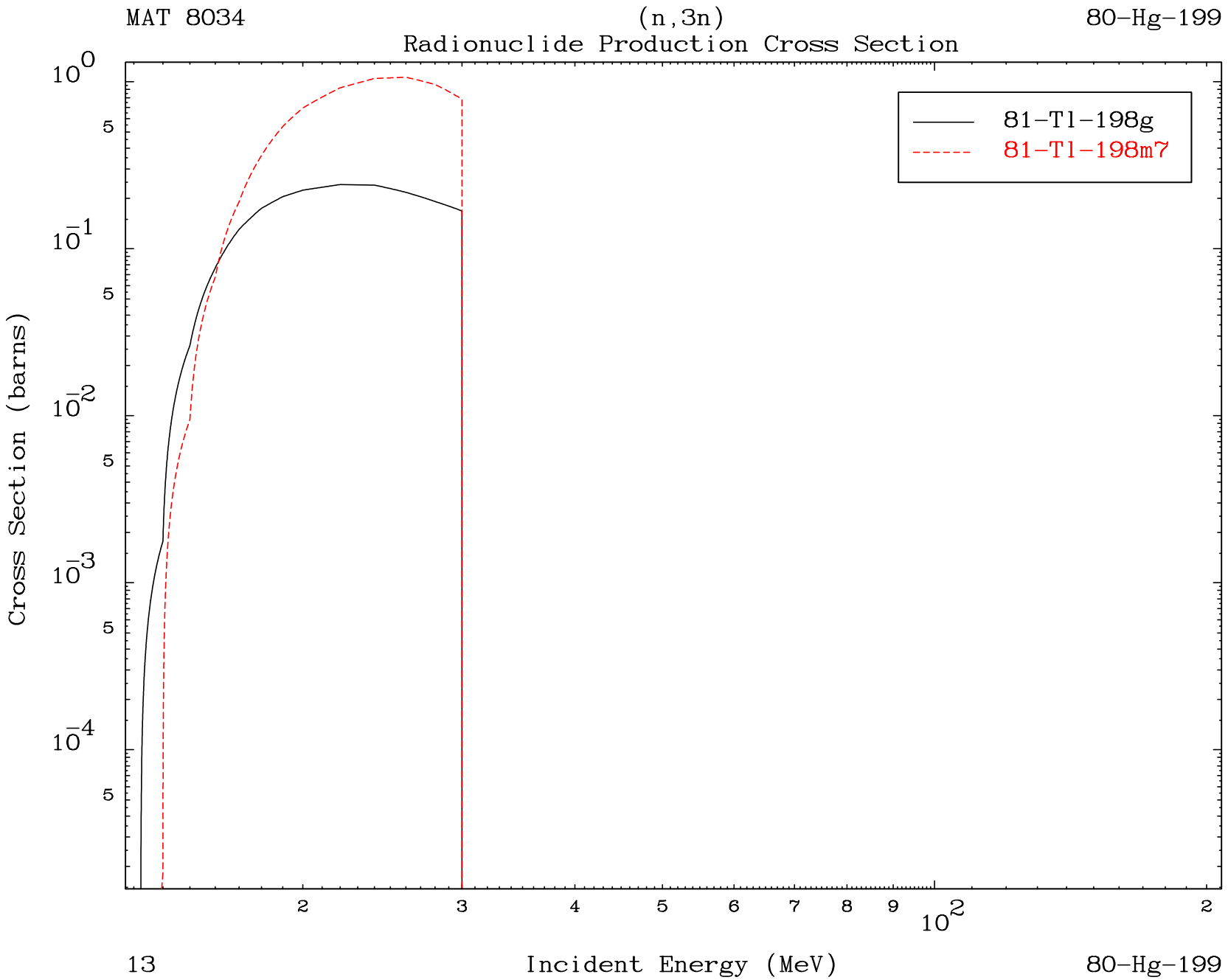

MAT 8034
(d,d) Levels
80-Hg-199
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
80-Hg-199

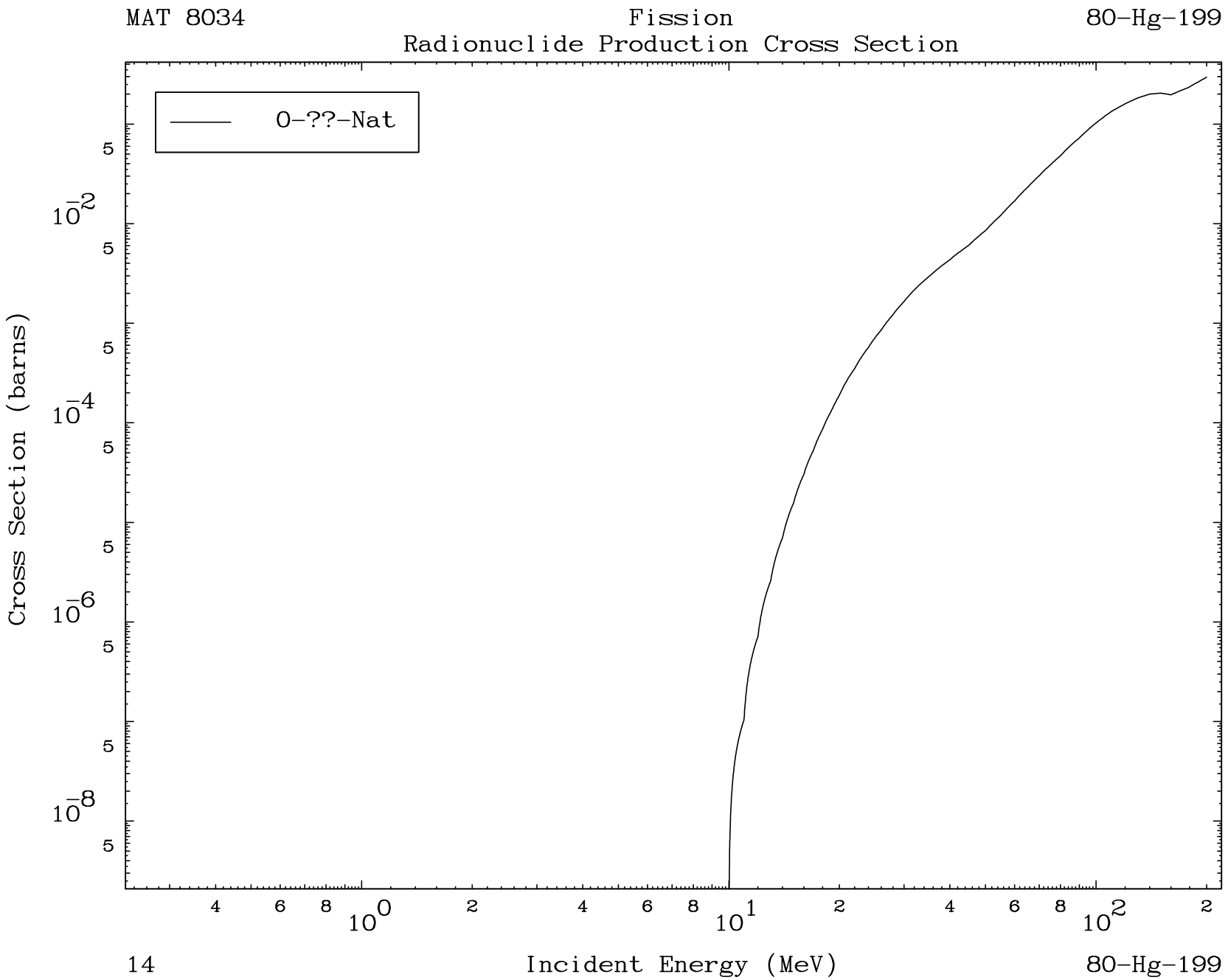

MAT 8034
(d,t) Levels
80-Hg-199
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
80-Hg-199

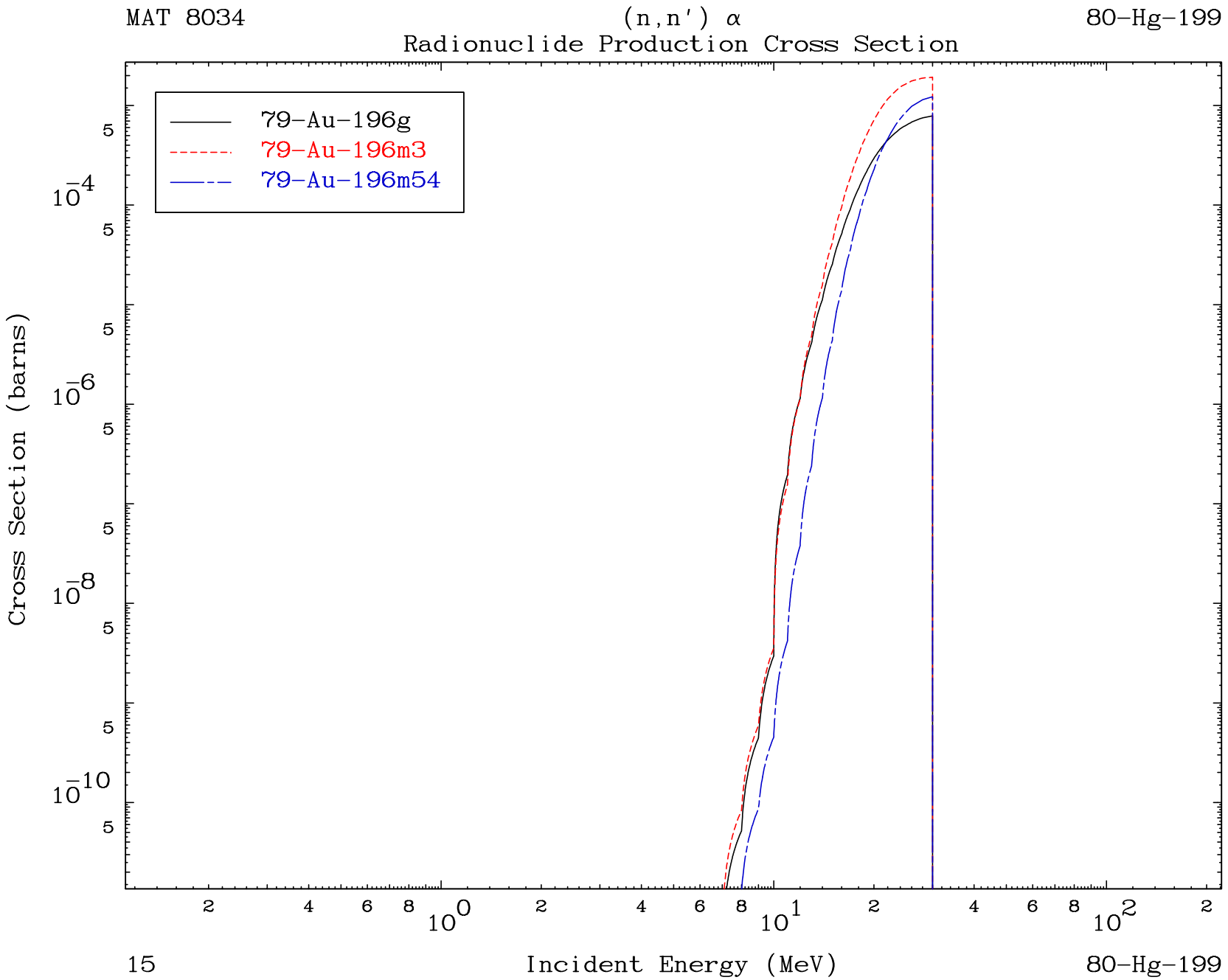

MAT 8034
(d,He3) Levels
80-Hg-199
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
80-Hg-199

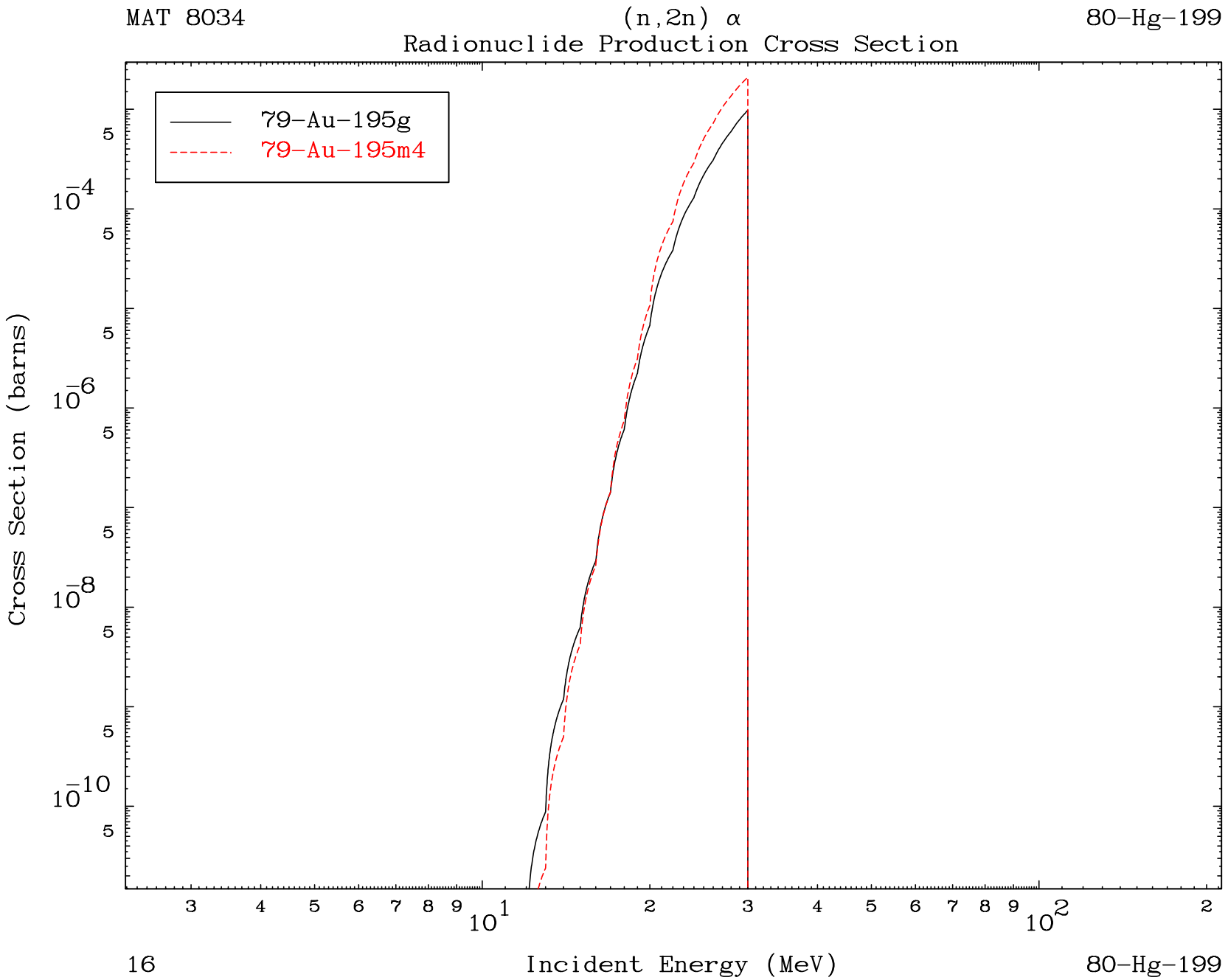

MAT 8034
(d,α) Levels
80-Hg-199
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
80-Hg-199

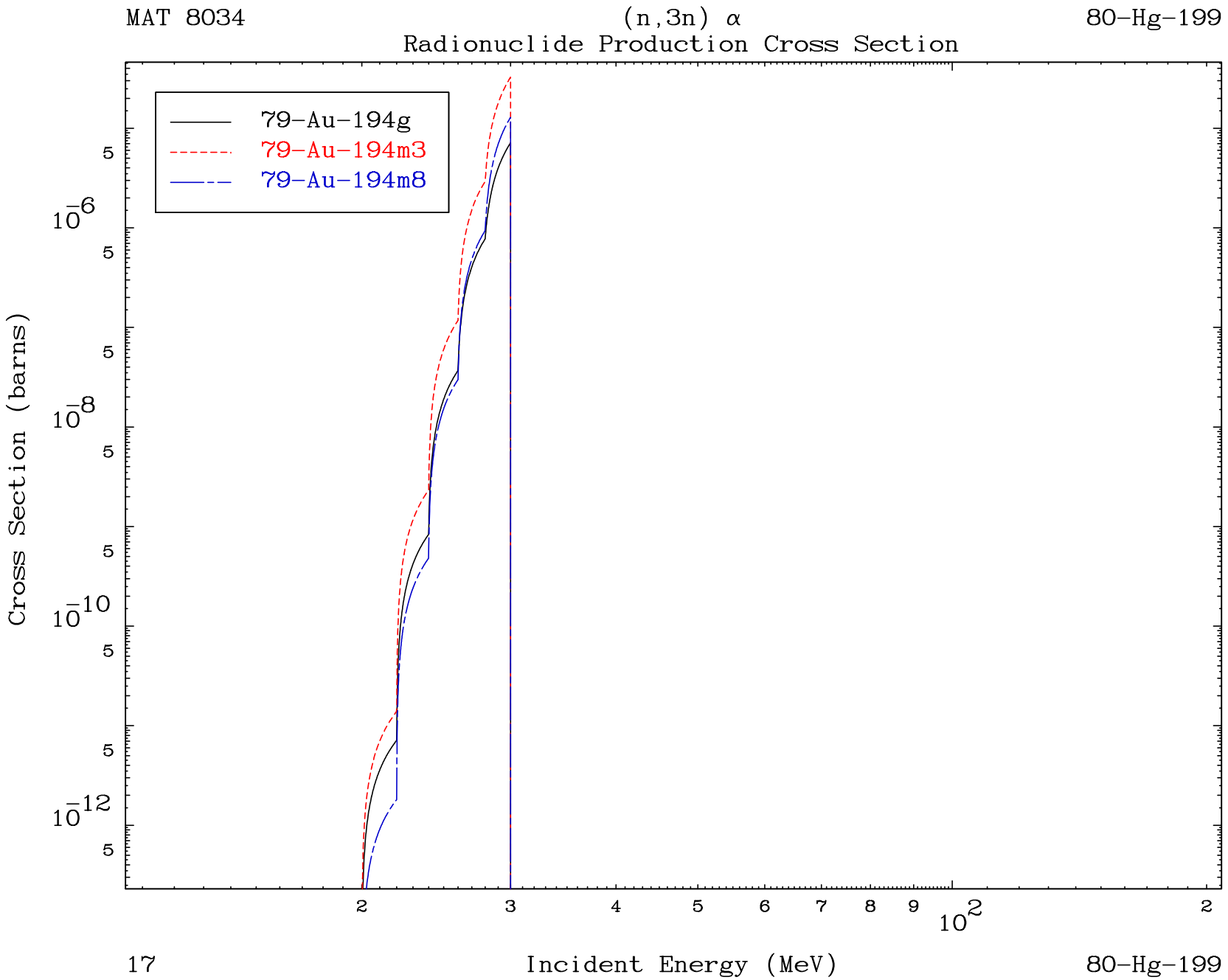

MAT 8034
(n,2n) d
80-Hg-199
Radionuclide Production Cross Section
80-Hg-197g
80-Hg-197m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
80-Hg-199

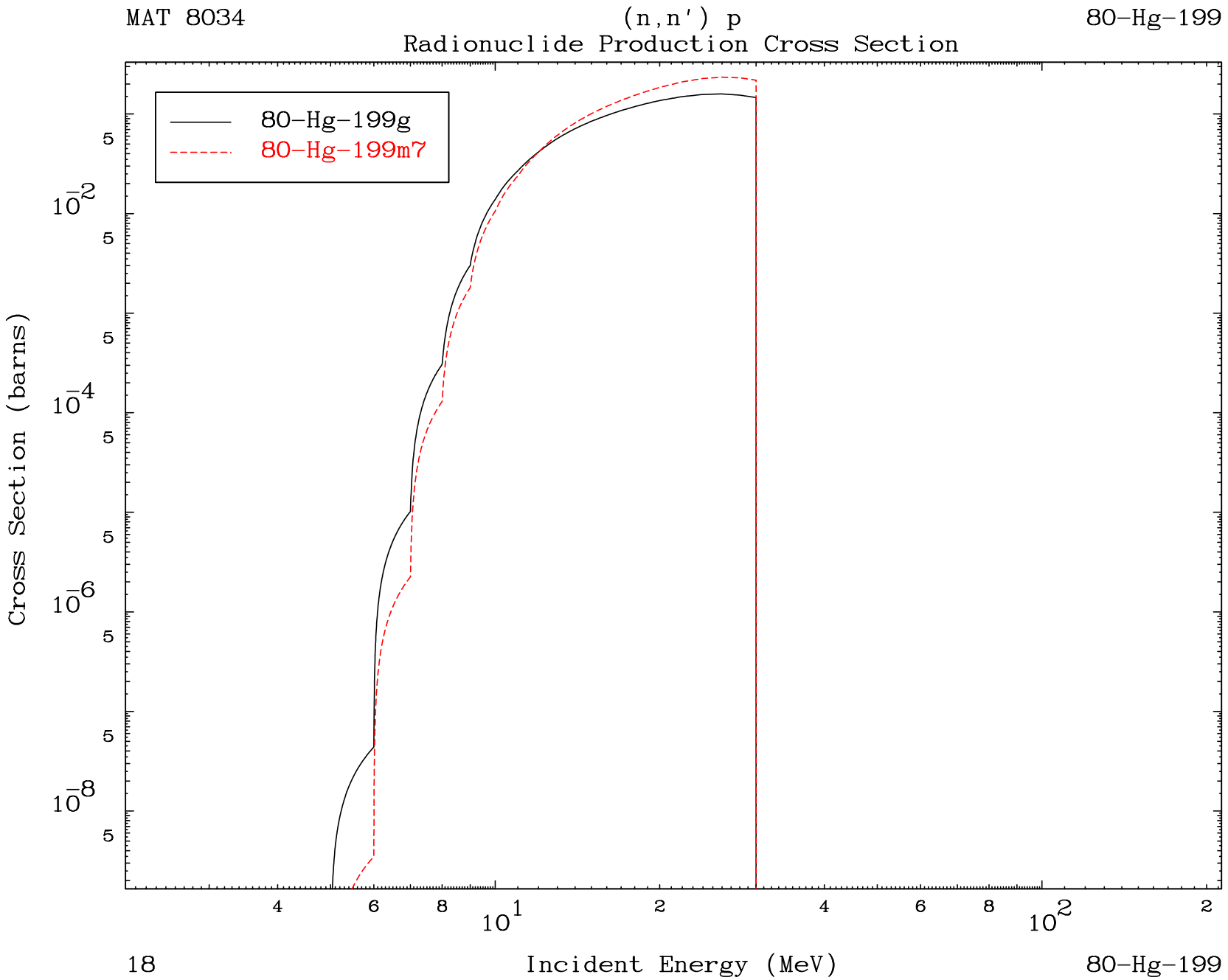

MAT 8034
(n,3n)
80-Hg-199
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
Incident Energy (MeV)
13
80-Hg-199

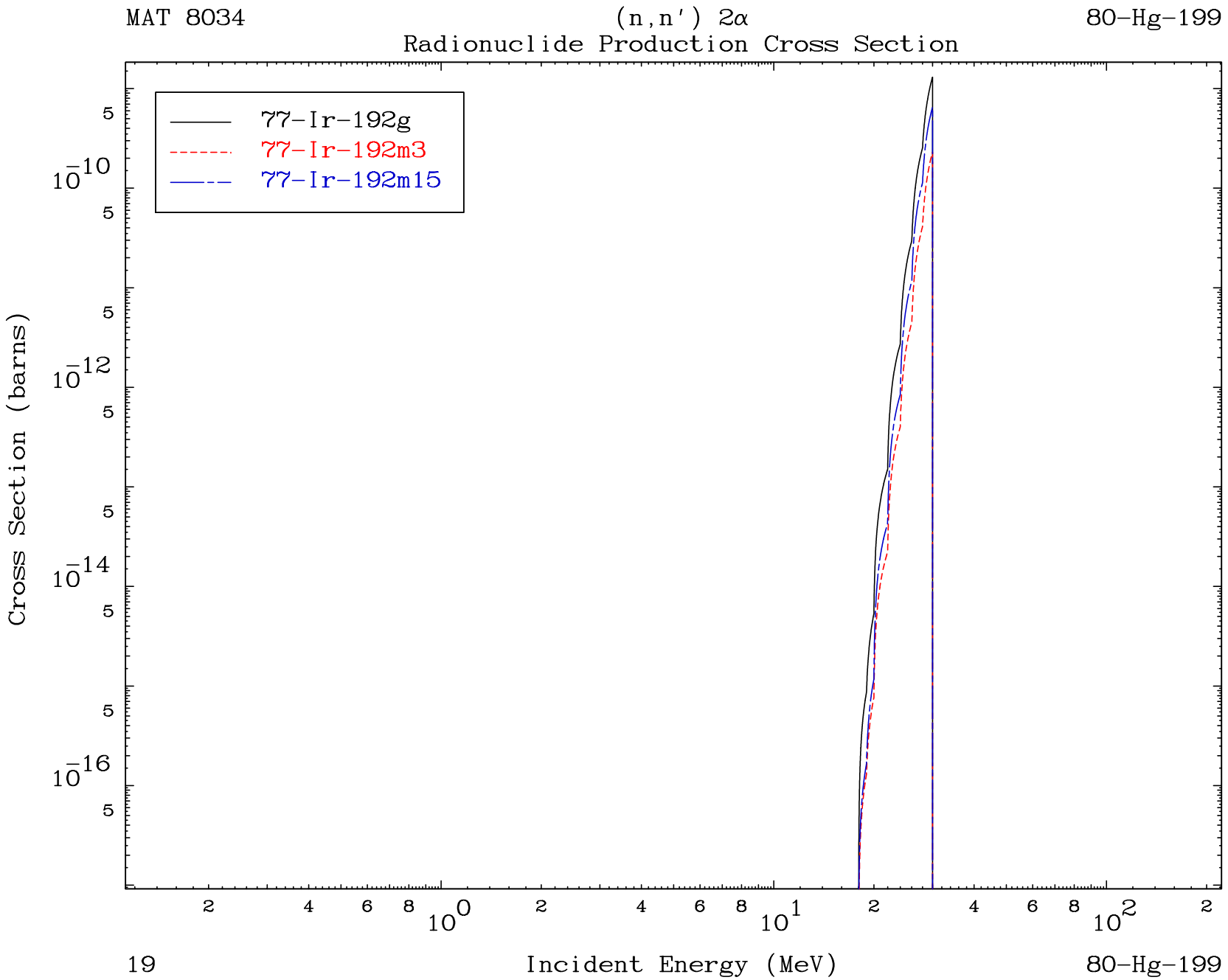

MAT 8034
Fission
80-Hg-199
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
14
80-Hg-199

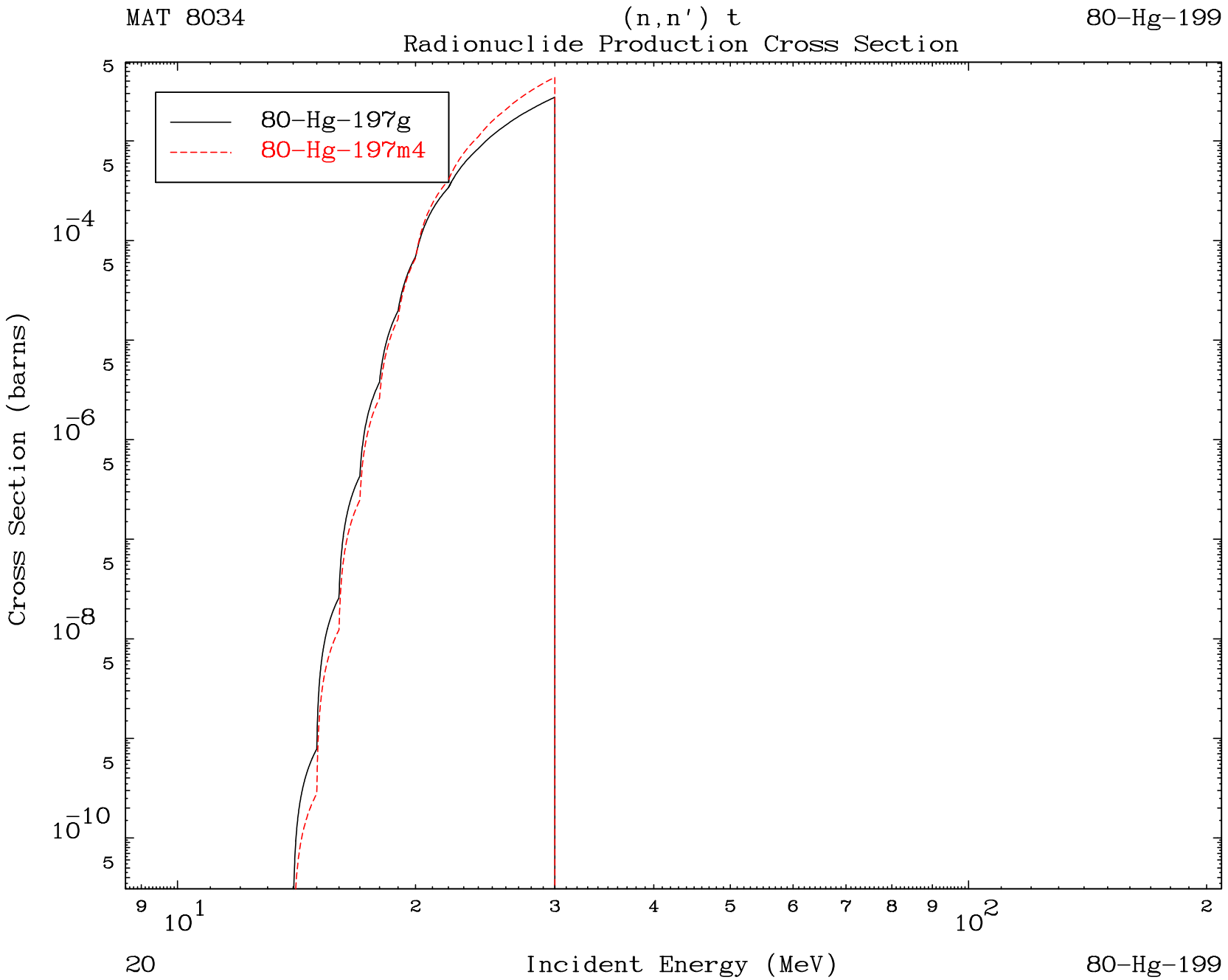

MAT 8034
(n,n') α
80-Hg-199
Radionuclide Production Cross Section
79-Au-196g
79-Au-196m3
79-Au-196m54
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
15
80-Hg-199

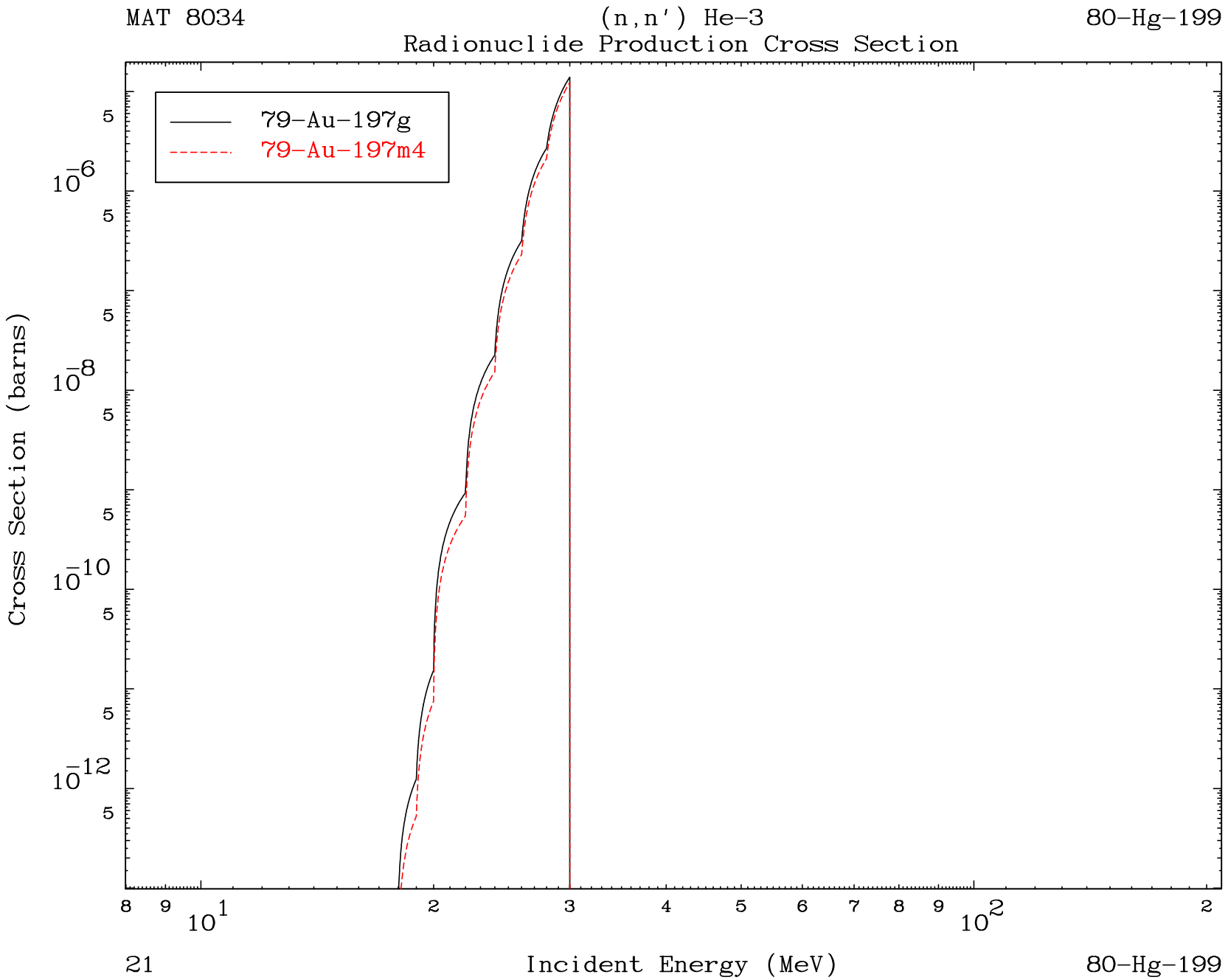

MAT 8034
(n,2n) α
80-Hg-199
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
16
80-Hg-199

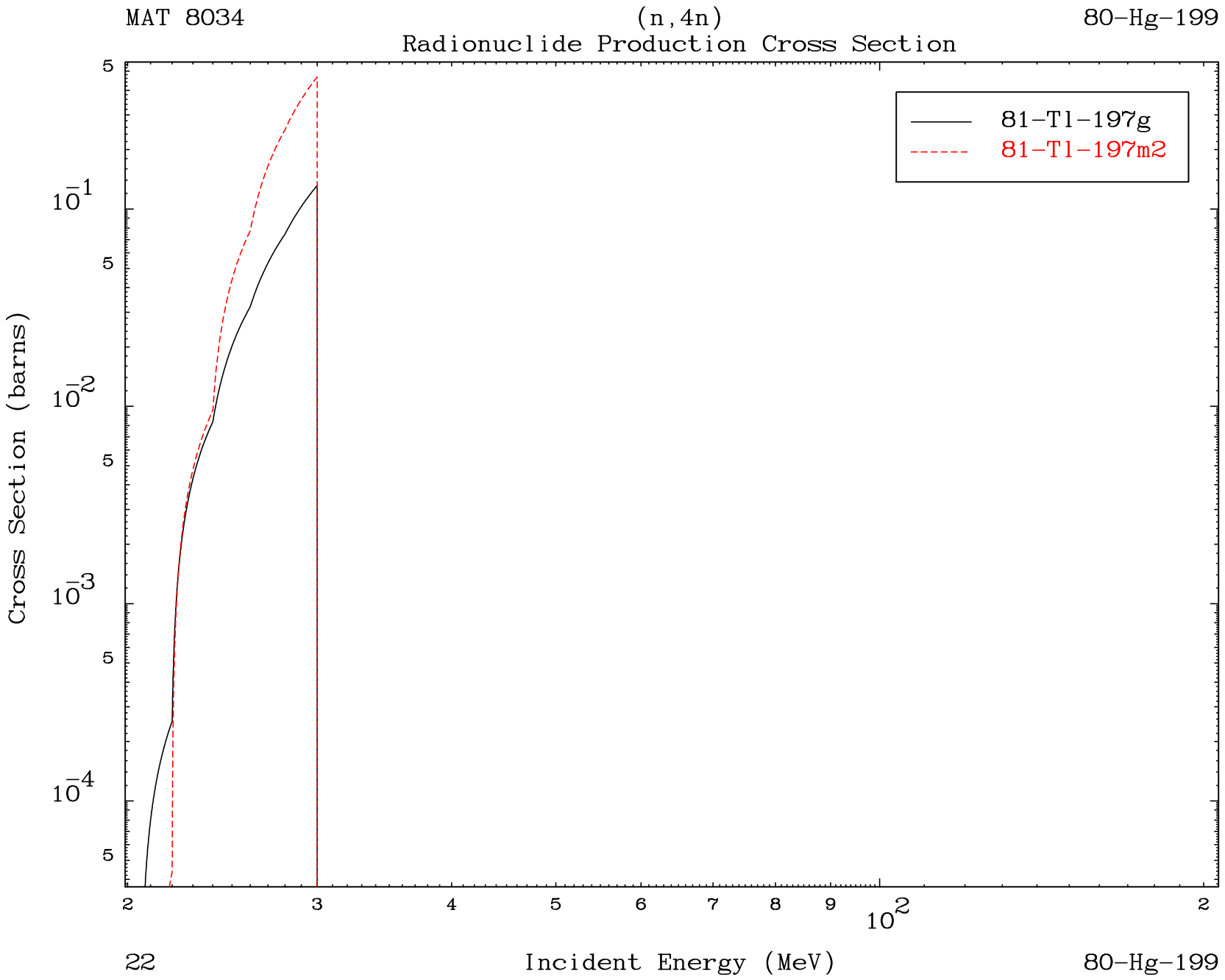

MAT 8034
(n,3n) α
80-Hg-199
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
17
80-Hg-199

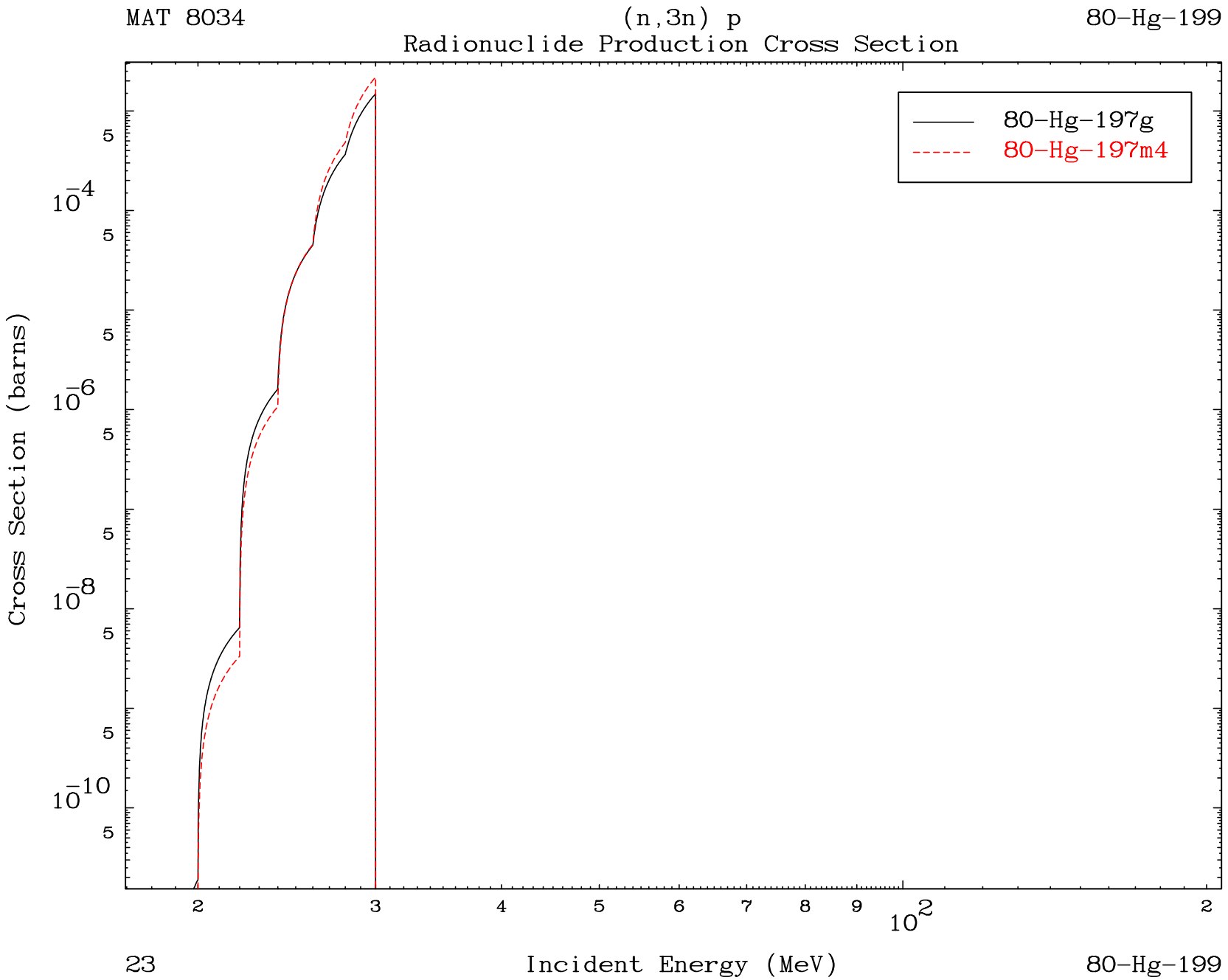

MAT 8034
(n,n') p
80-Hg-199
Radionuclide Production Cross Section
80-Hg-199g
80-Hg-199m7
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
18
Incident Energy (MeV)
80-Hg-199

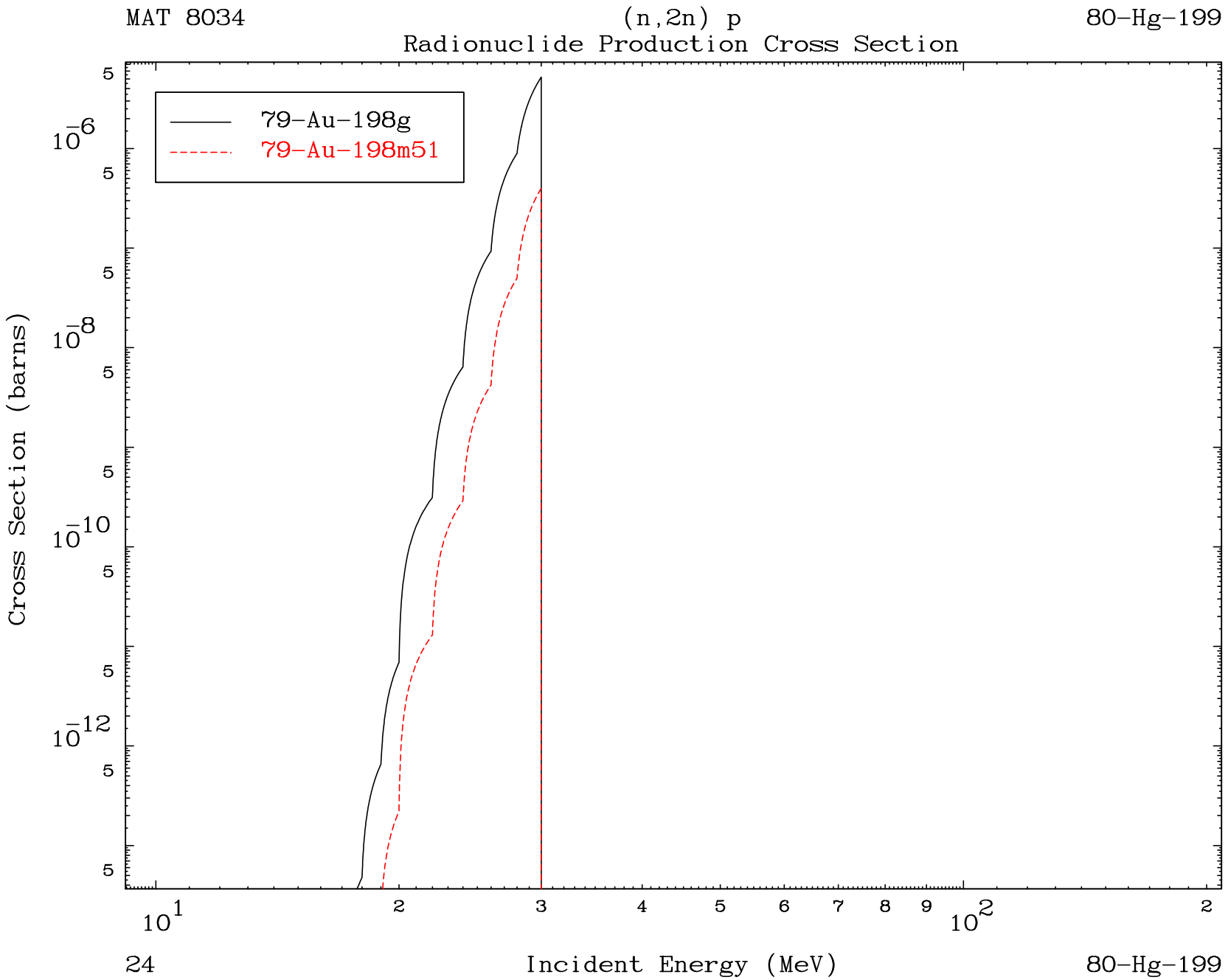

MAT 8034
(n,n') 2α
80-Hg-199
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
Incident Energy (MeV)
19
80-Hg-199

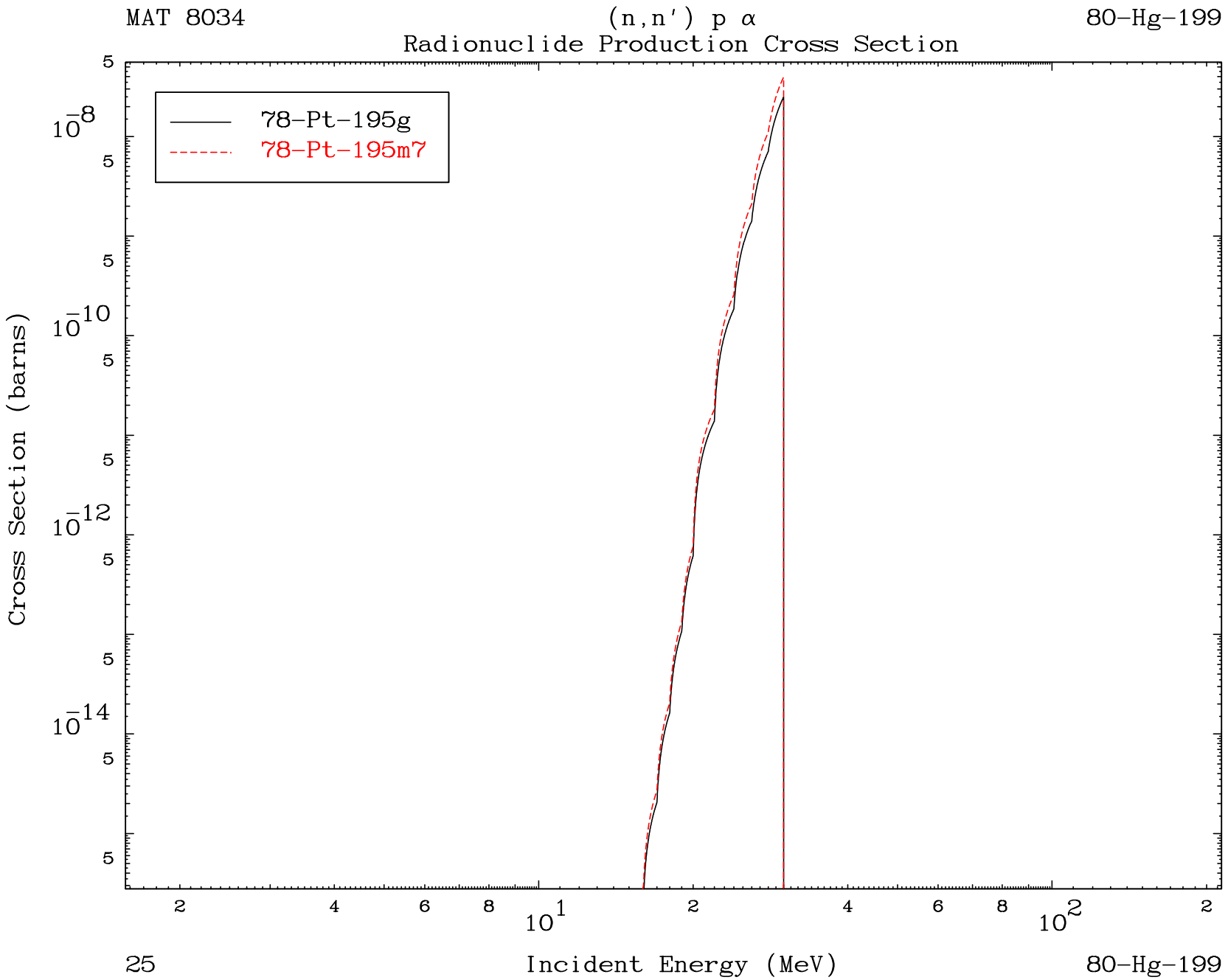

MAT 8034
(n,n') t
80-Hg-199
Radionuclide Production Cross Section
80-Hg-197g
80-Hg-197m4
Cross Section (barns)
Incident Energy (MeV)
80-Hg-199
20

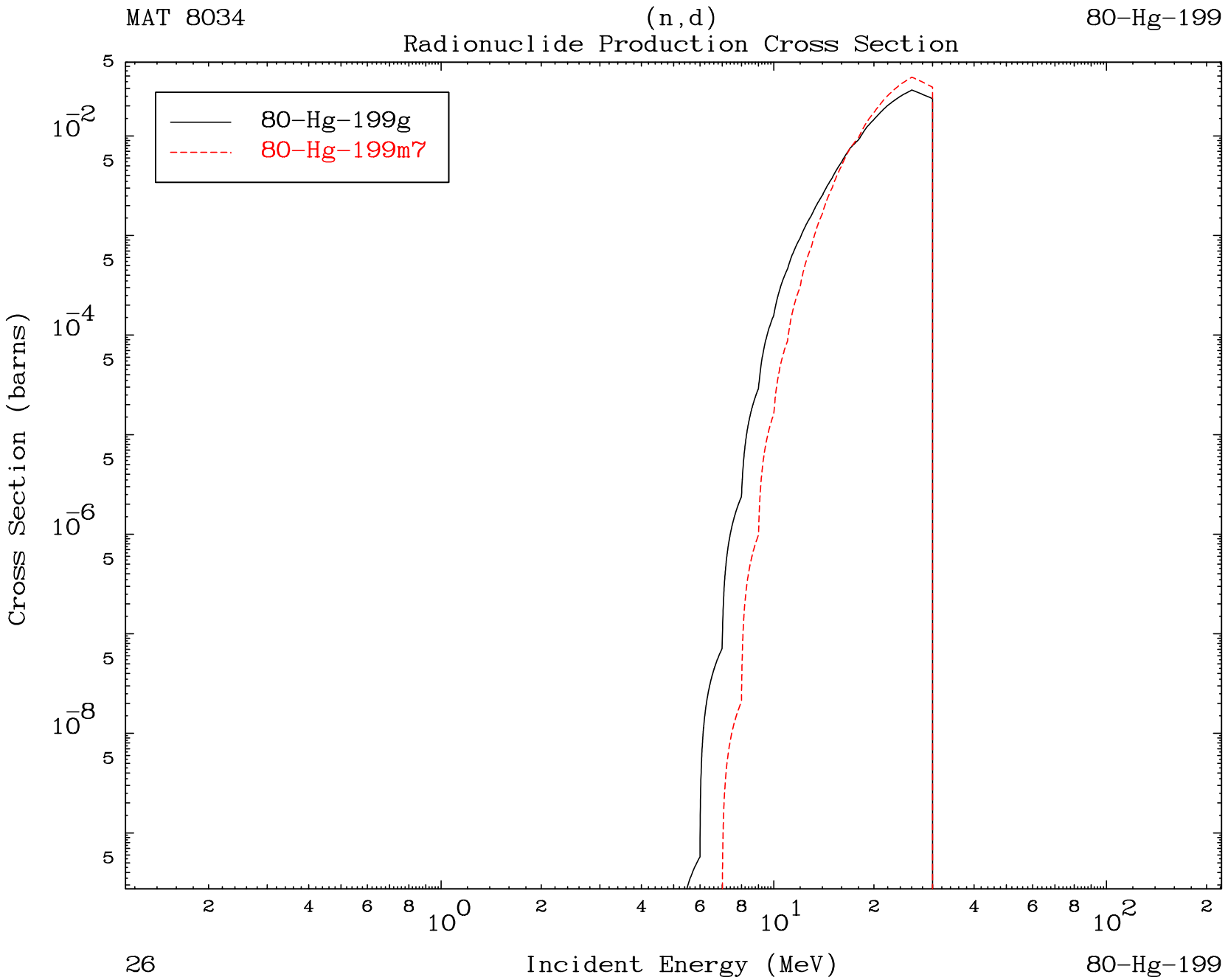

MAT 8034
(n,n') He-3
80-Hg-199
Radionuclide Production Cross Section
79-Au-197g
79-Au-197m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
21
Incident Energy (MeV)
80-Hg-199

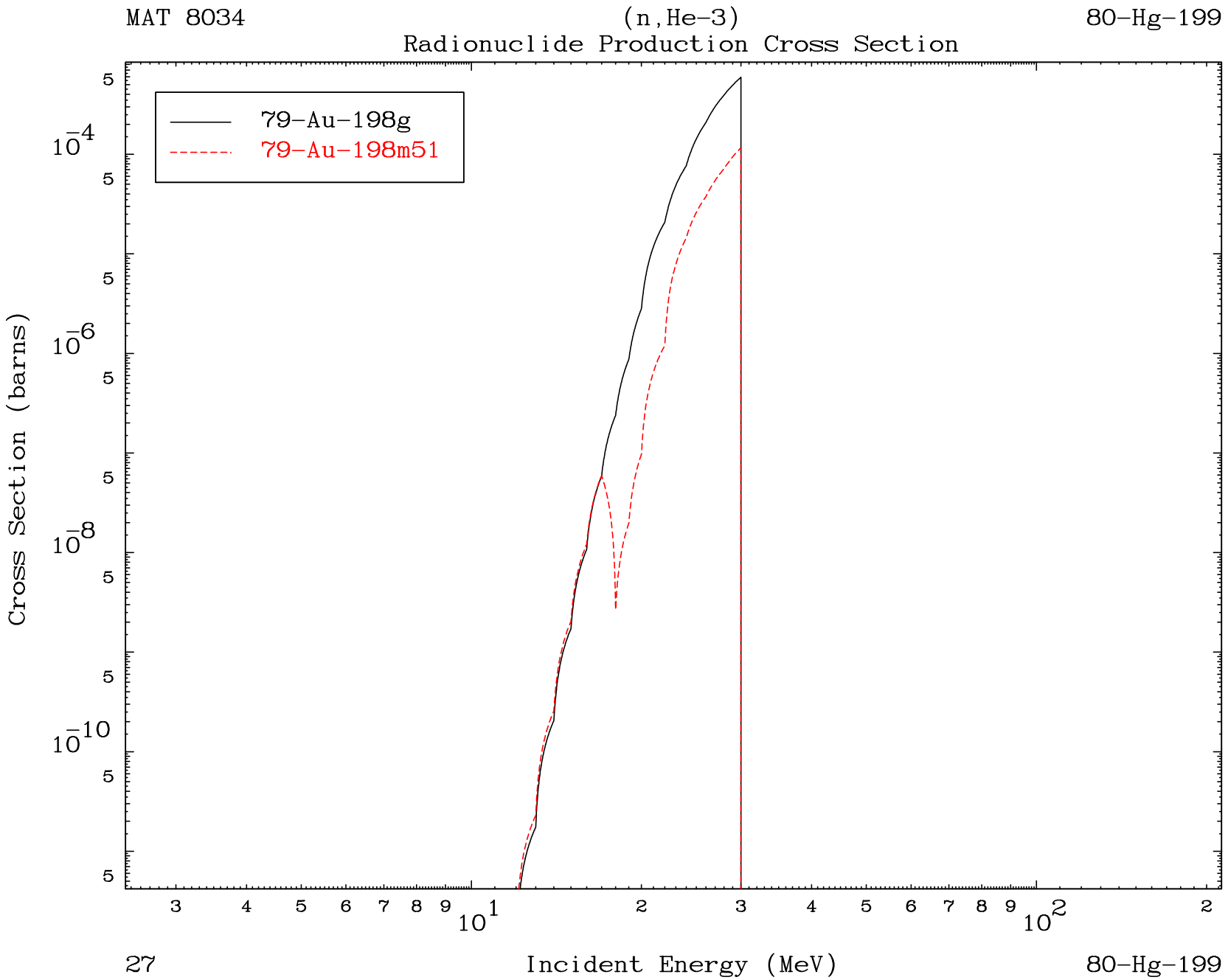

MAT 8034
(n,4n)
80-Hg-199
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-1
10-2
10-3
10-4
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
80-Hg-199

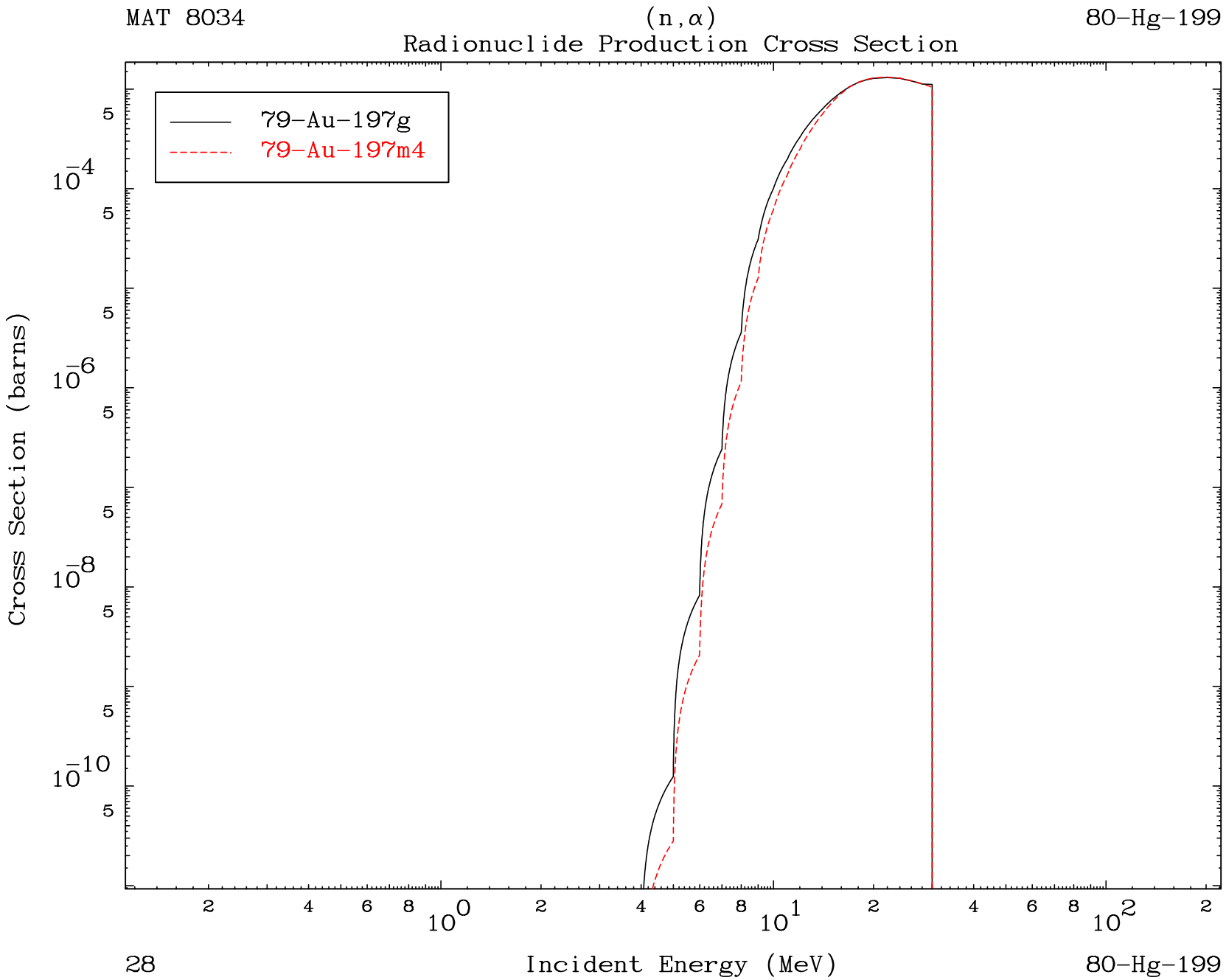

MAT 8034
(n,3n) p
80-Hg-199
Radionuclide Production Cross Section
80-Hg-197g
80-Hg-197m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
80-Hg-199

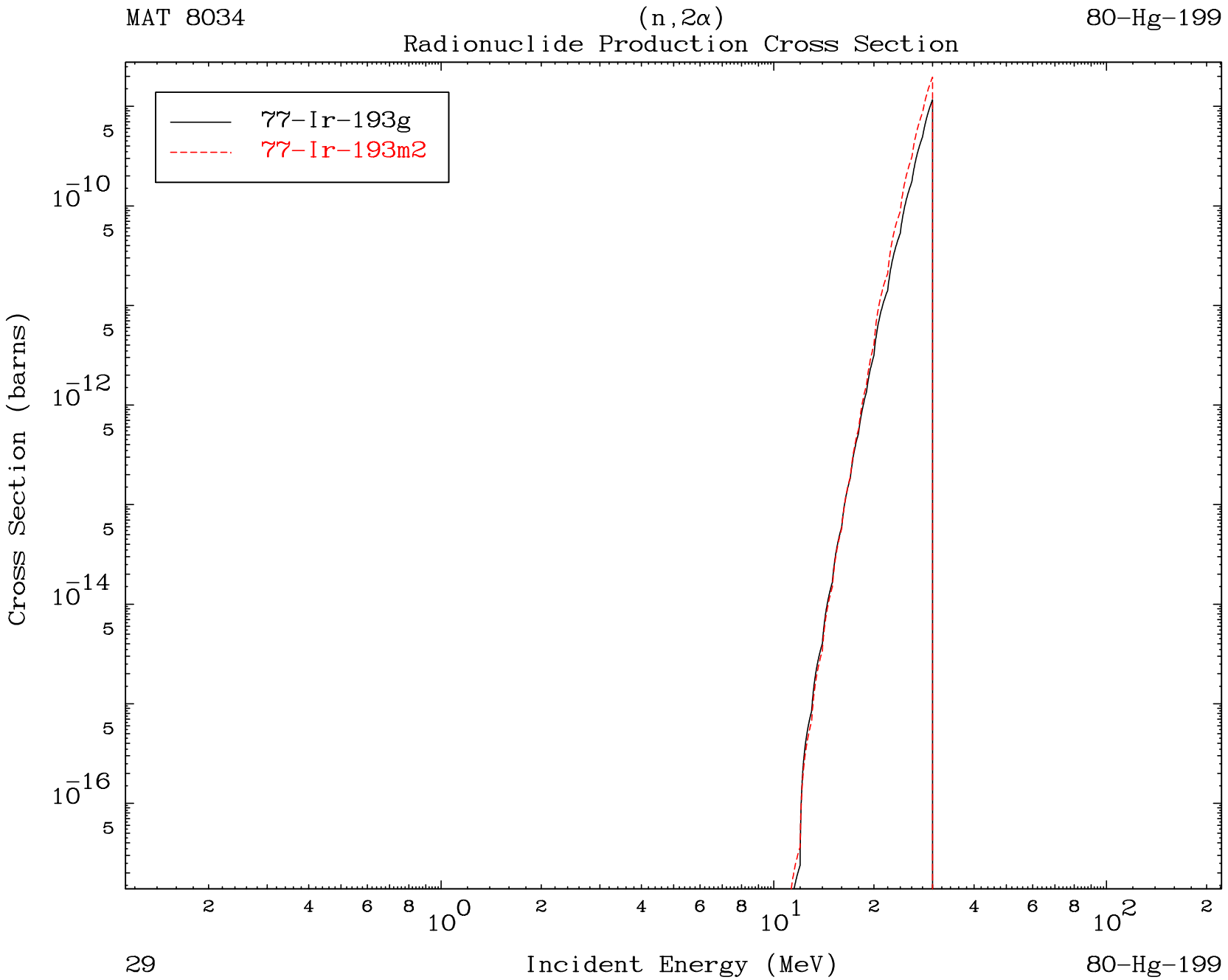

MAT 8034
(n,2n) p
80-Hg-199
Radionuclide Production Cross Section
79-Au-198g
79-Au-198m51
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
24
Incident Energy (MeV)
80-Hg-199

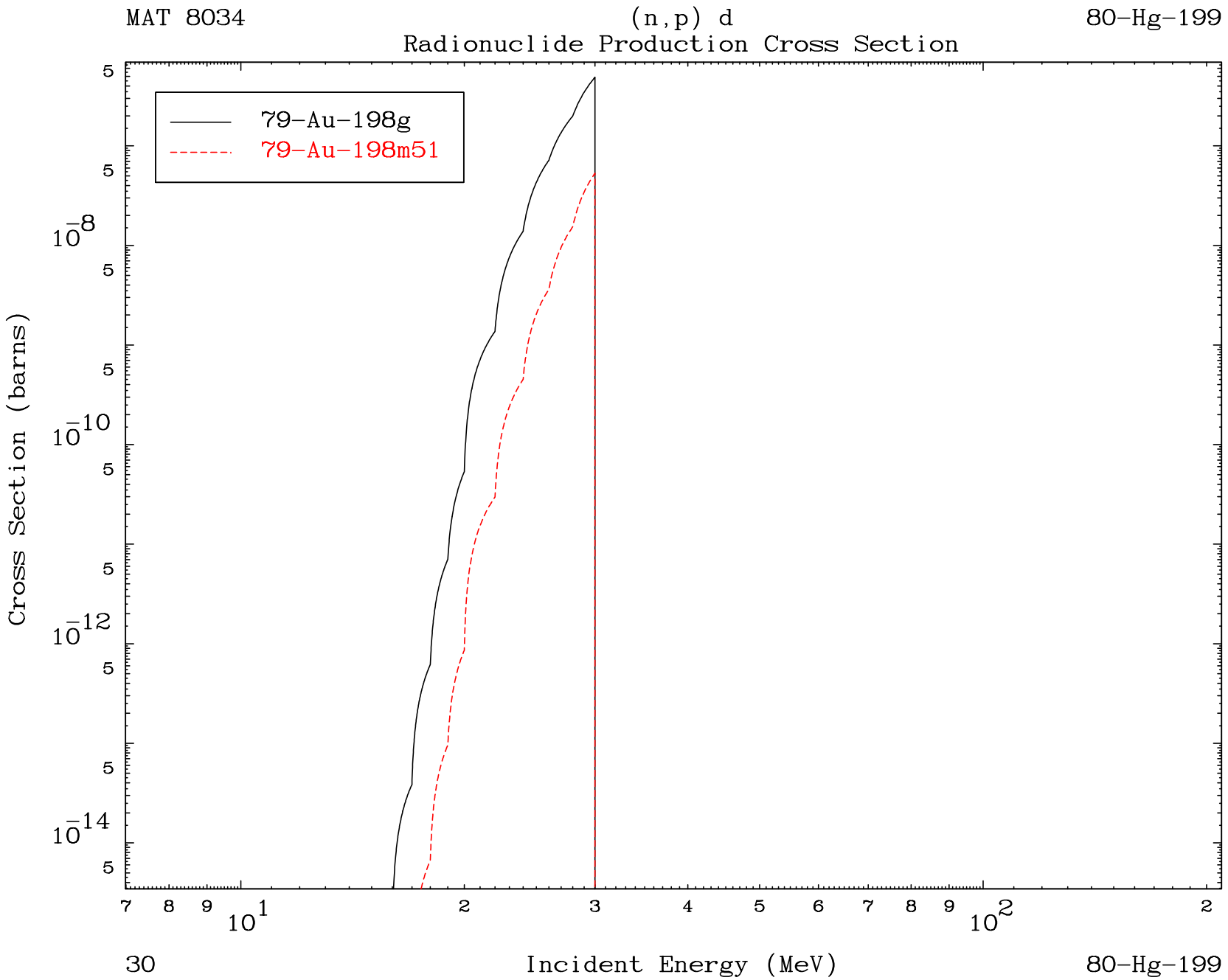

MAT 8034
(n,n') p α
80-Hg-199
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
4
6
8
10^1
10^2
25
Incident Energy (MeV)
80-Hg-199

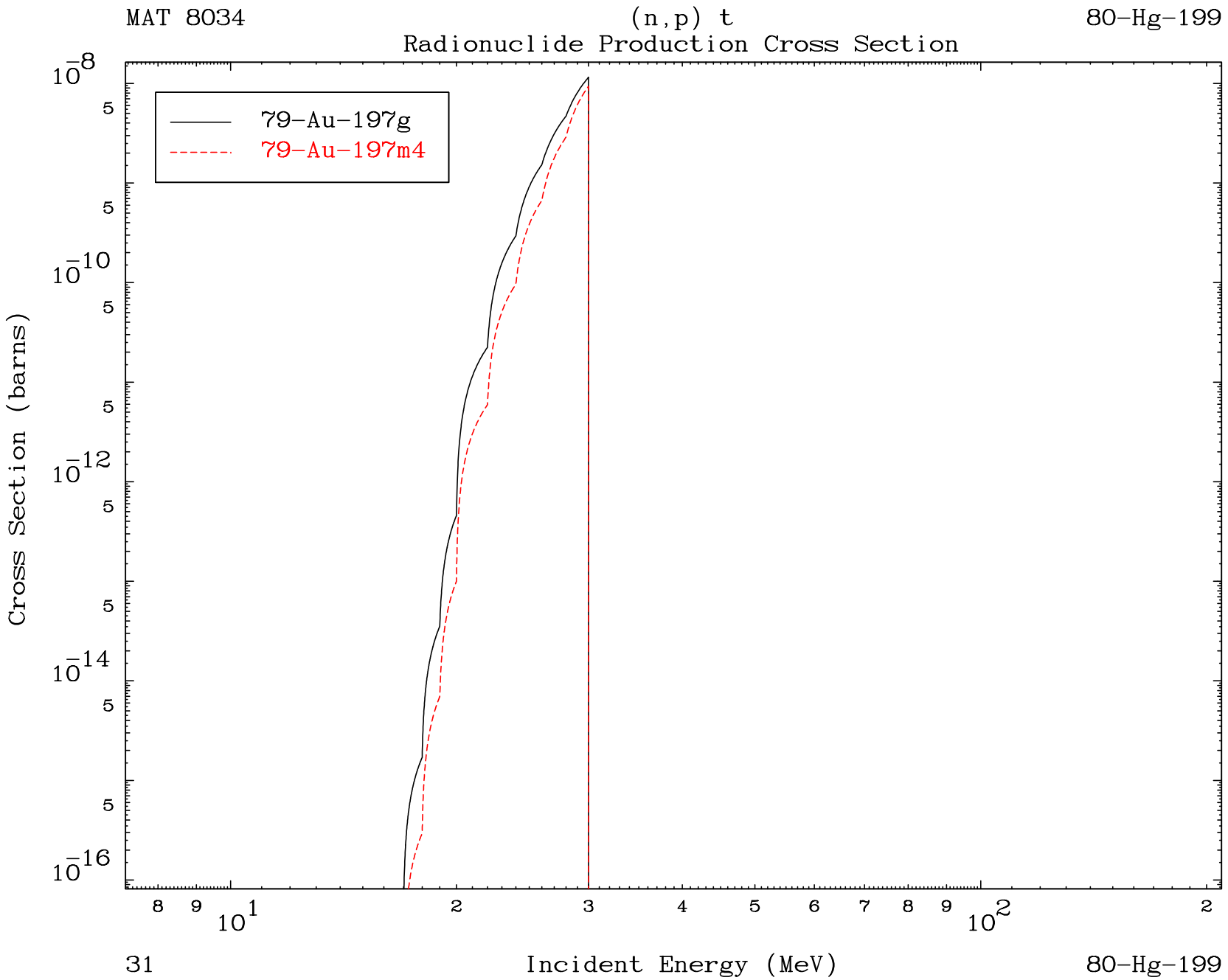

MAT 8034
(n,d)
80-Hg-199
Radionuclide Production Cross Section
80-Hg-199g
80-Hg-199m7
Cross Section (barns)
Incident Energy (MeV)
26
80-Hg-199

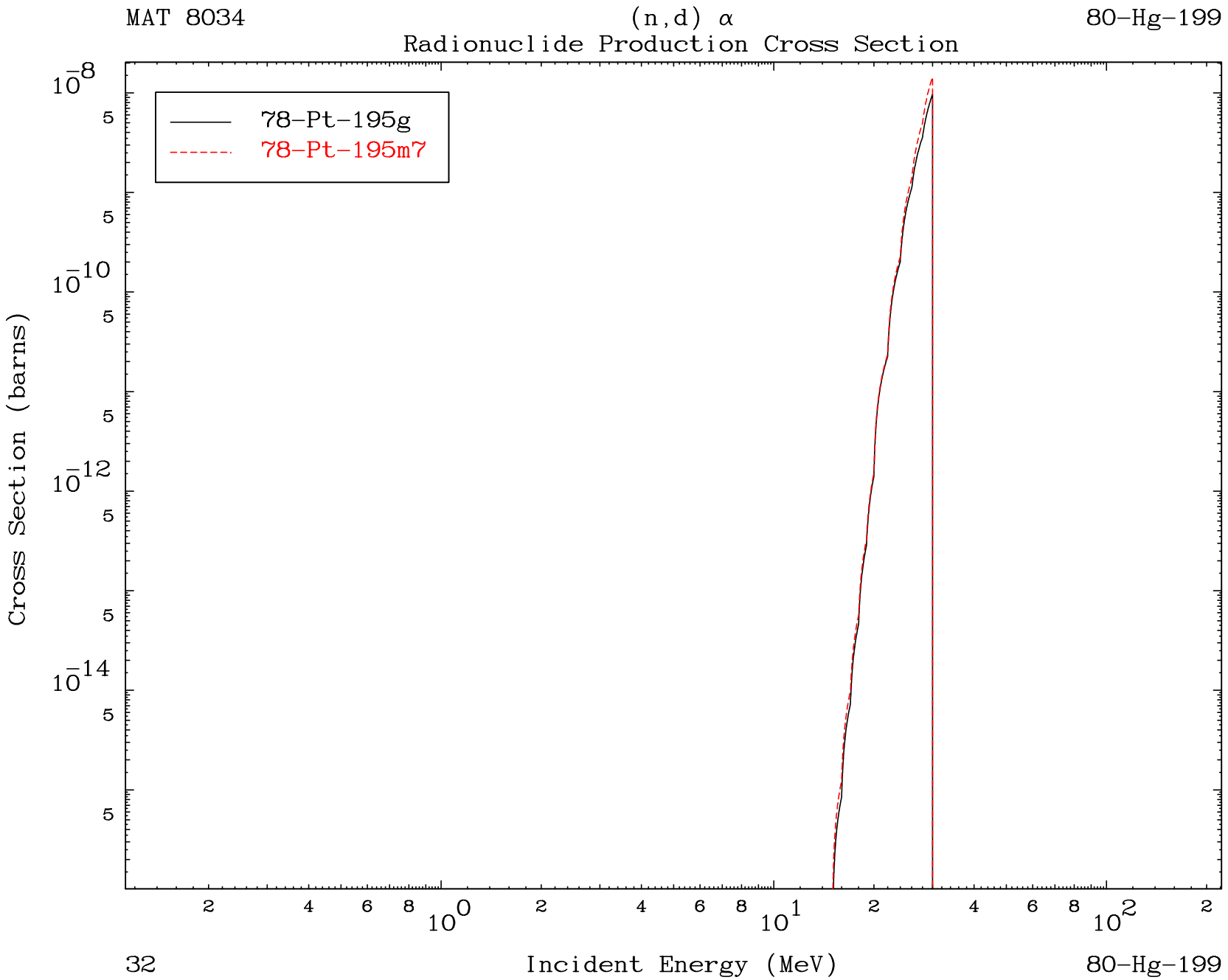

MAT 8034
(n,He-3)
80-Hg-199
Radionuclide Production Cross Section
79-Au-198g
79-Au-198m51
Cross Section (barns)
Incident Energy (MeV)
27
80-Hg-199


MAT 8034
(n,α)
80-Hg-199
Radionuclide Production Cross Section
79-Au-197g
79-Au-197m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
28
80-Hg-199


MAT 8034
(n,2α)
80-Hg-199
Radionuclide Production Cross Section
77-Ir-193g
77-Ir-193m2
Cross Section (barns)
10-10
10-12
10-14
10-16
100
101
102
Incident Energy (MeV)
29
80-Hg-199


MAT 8034
(n,p) d
80-Hg-199
Radionuclide Production Cross Section
79-Au-198g
79-Au-198m51
Cross Section (barns)
Incident Energy (MeV)
30
80-Hg-199


MAT 8034
(n,p) t
80-Hg-199
Radionuclide Production Cross Section
79-Au-197g
79-Au-197m4
Cross Section (barns)
Incident Energy (MeV)
31
80-Hg-199


MAT 8034
(n,d) α
80-Hg-199
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
Incident Energy (MeV)
32
80-Hg-199