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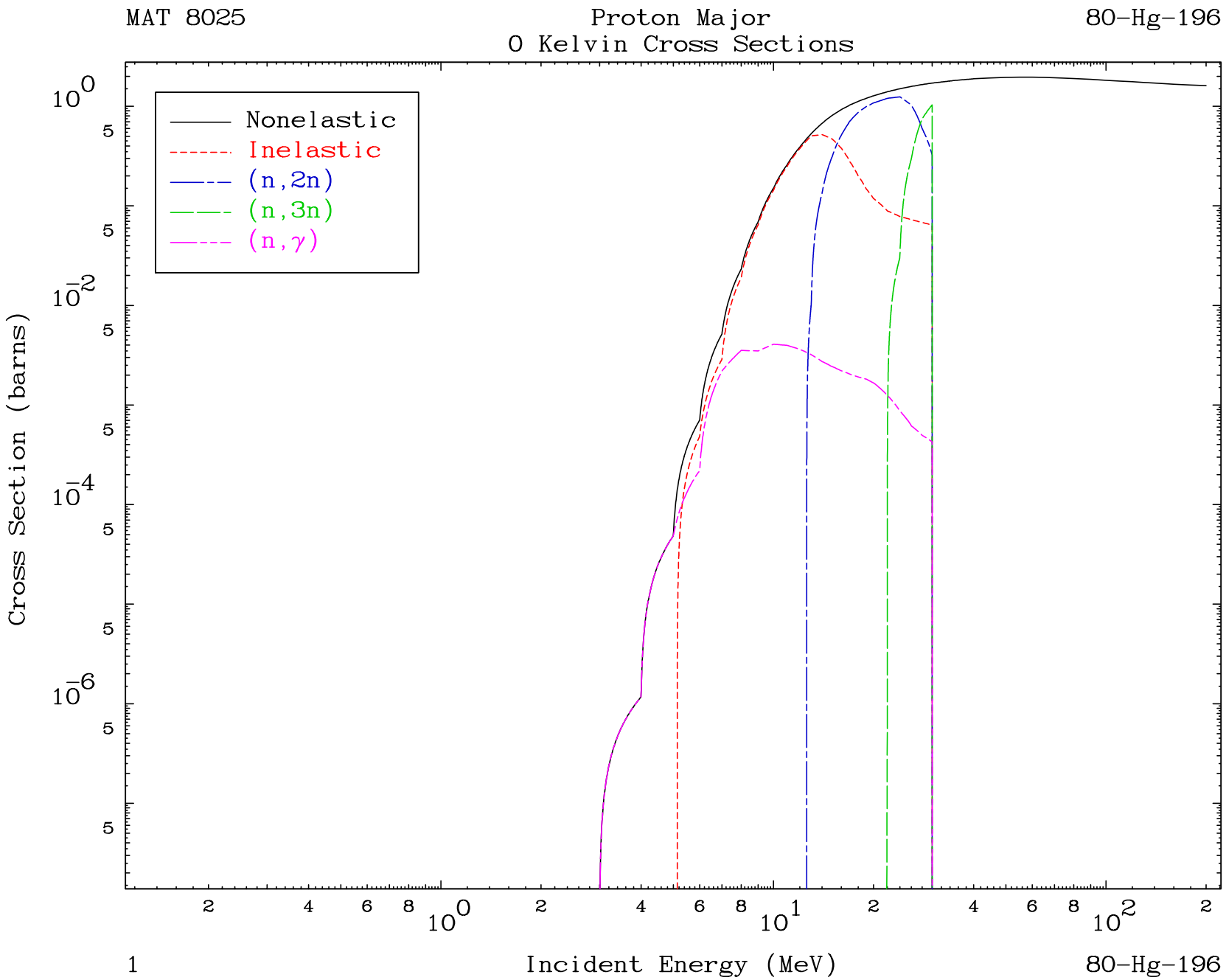
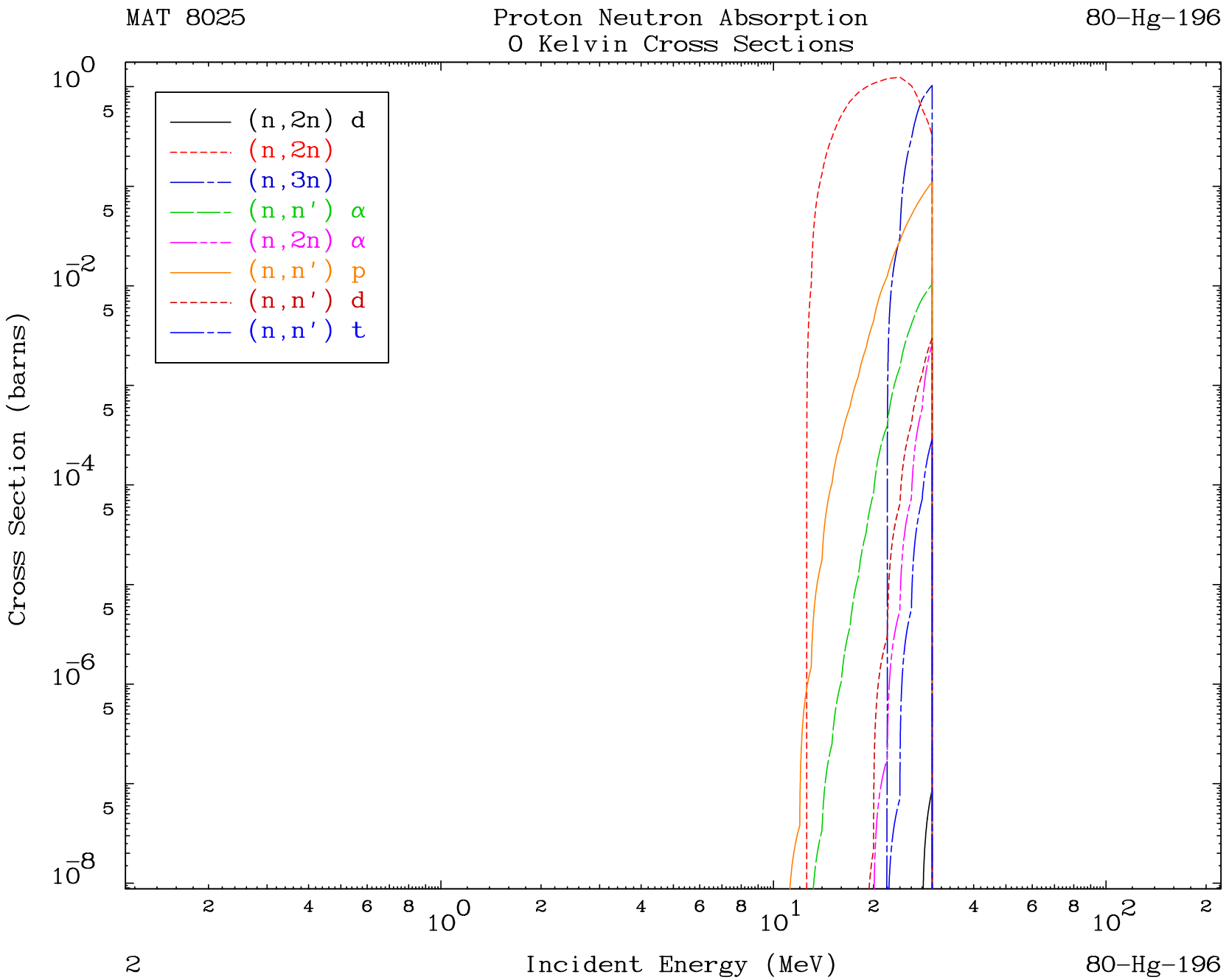
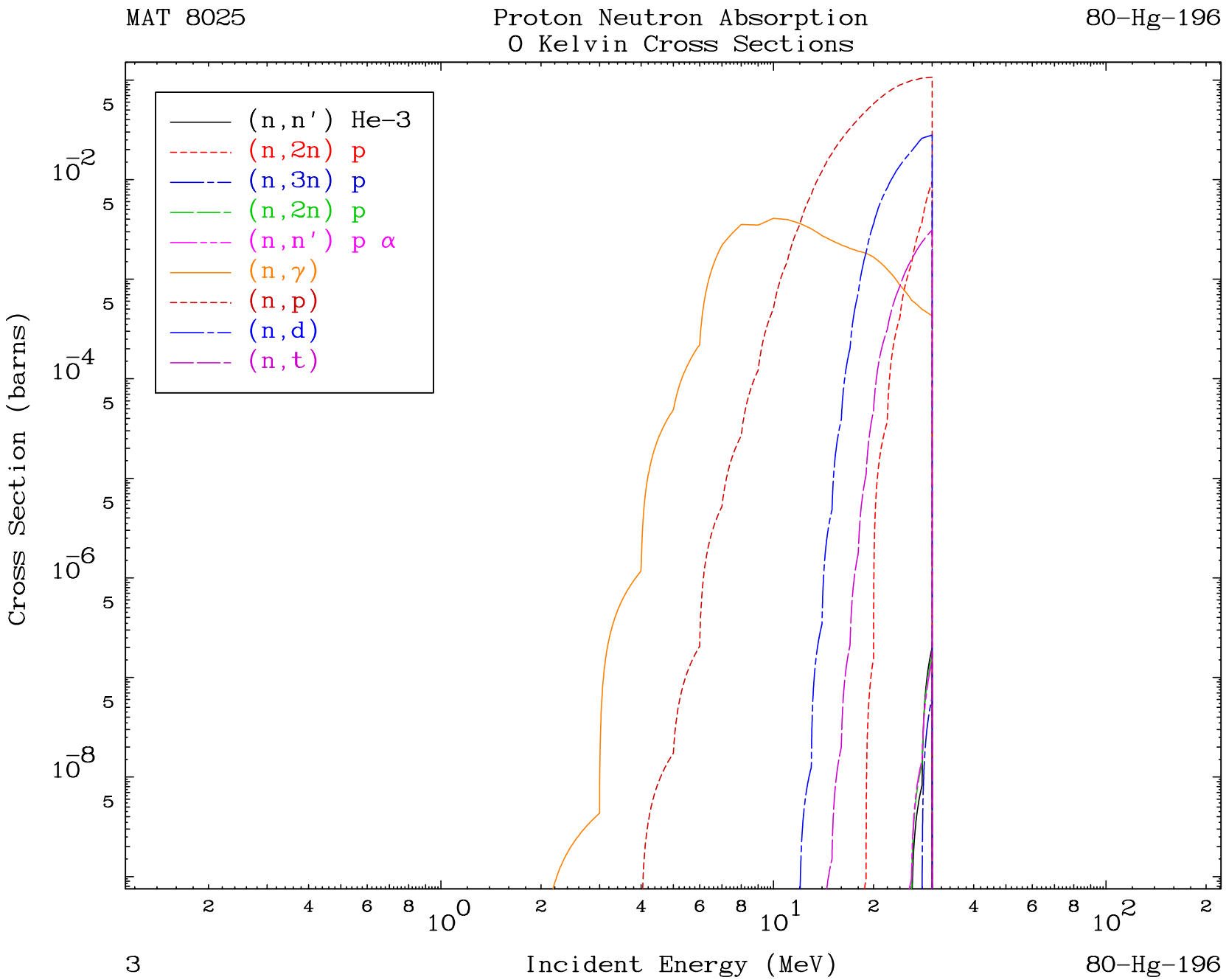
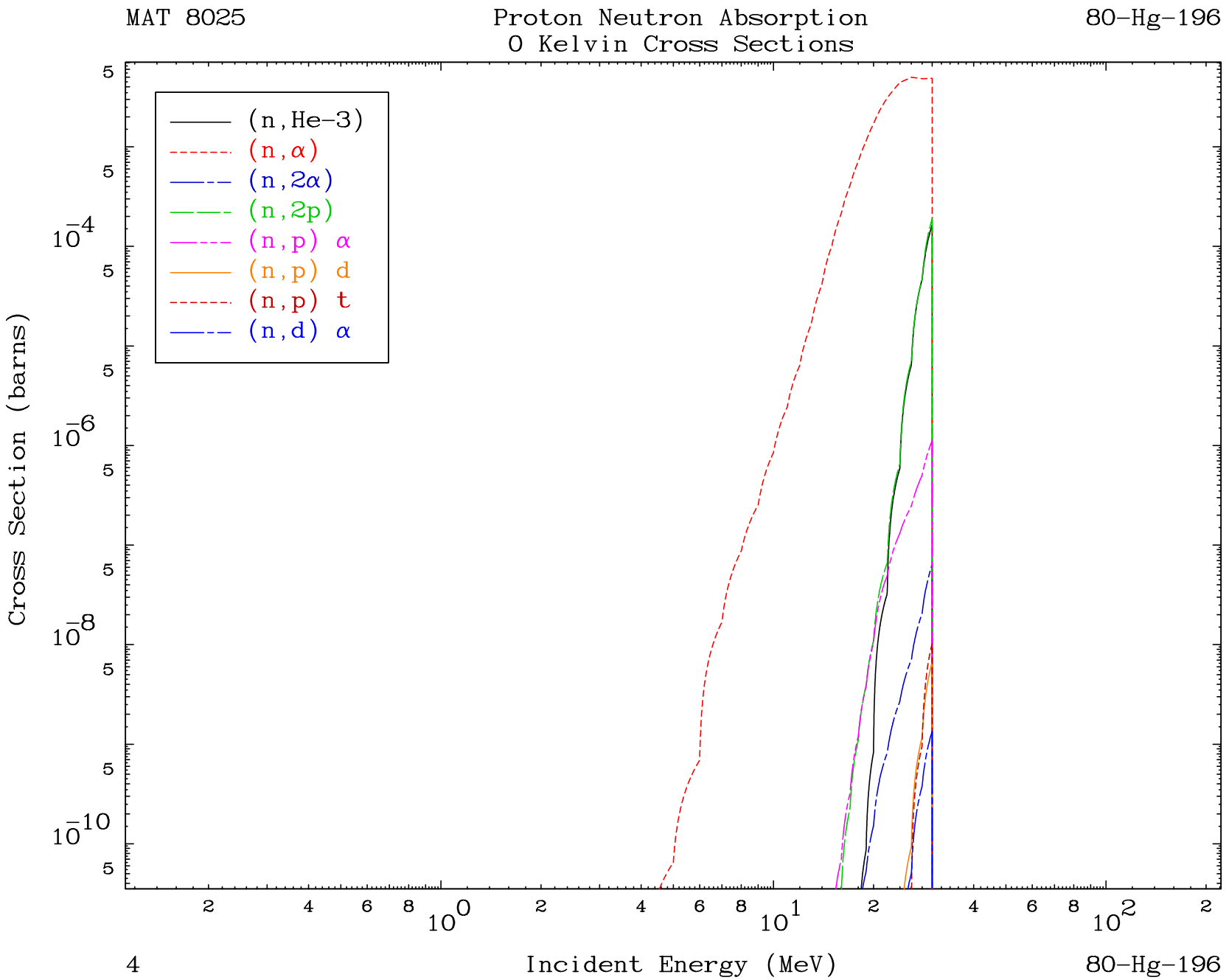
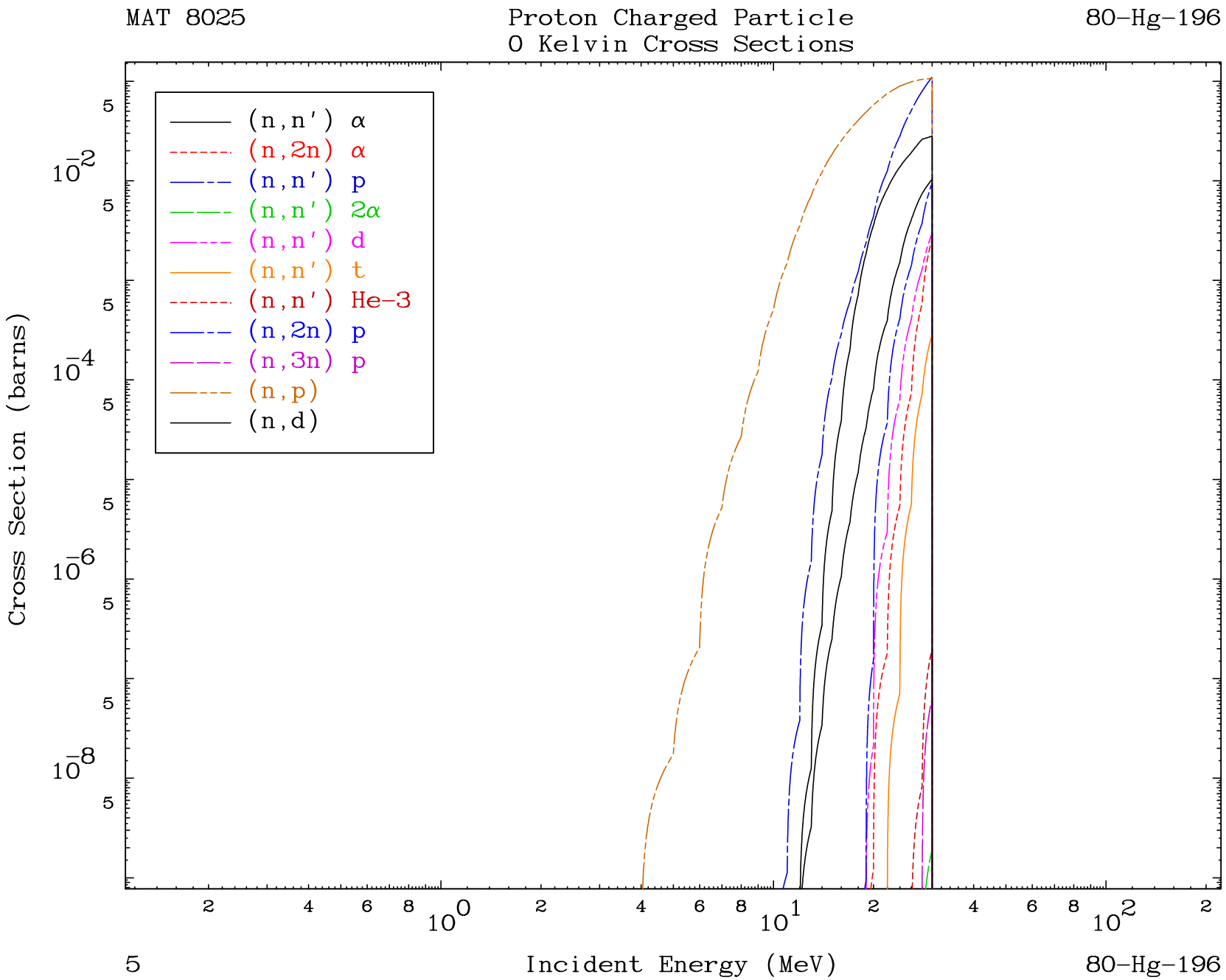
Press Mouse Button to Start

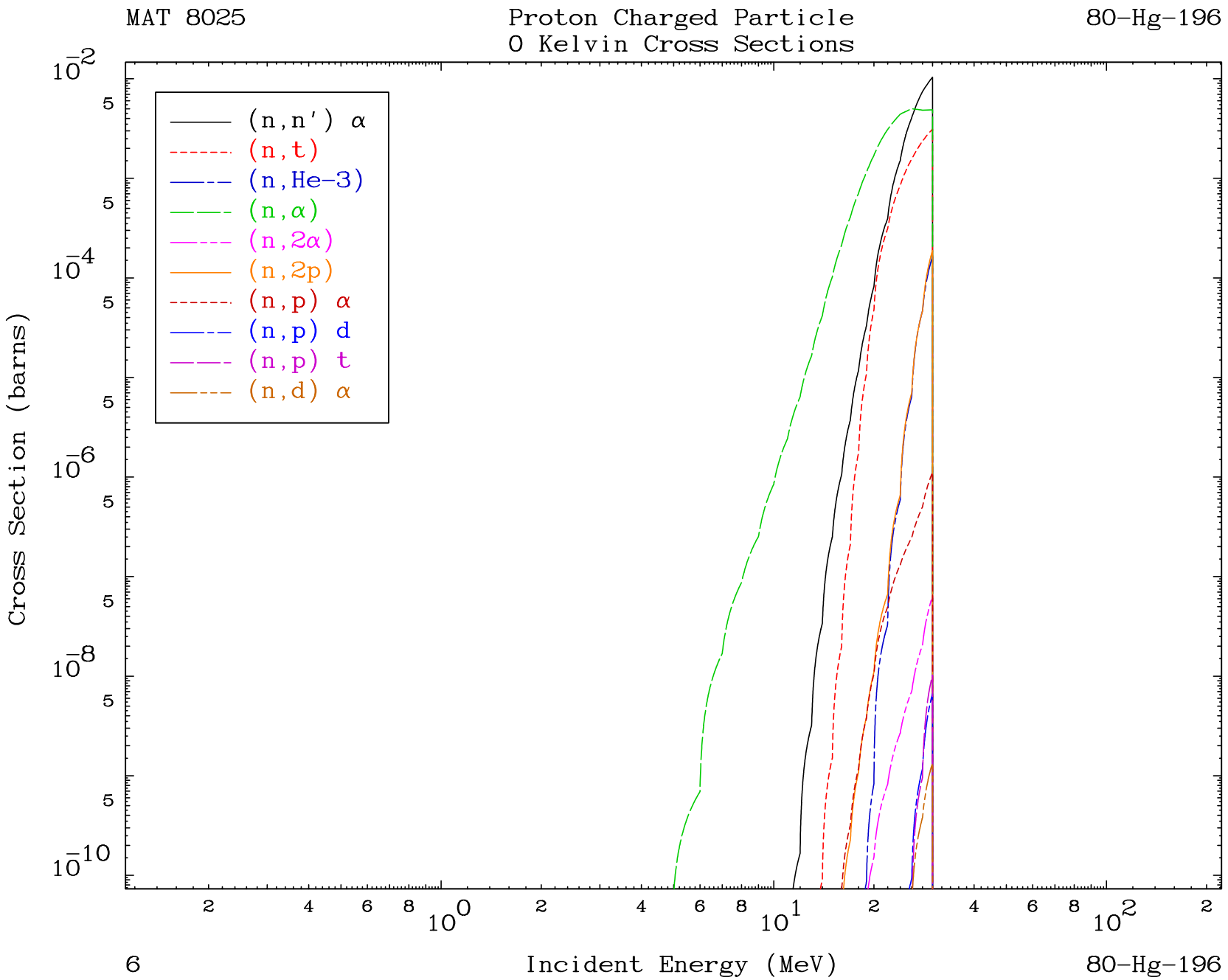

MAT 8025
Proton Major
80-Hg-196
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-196
1

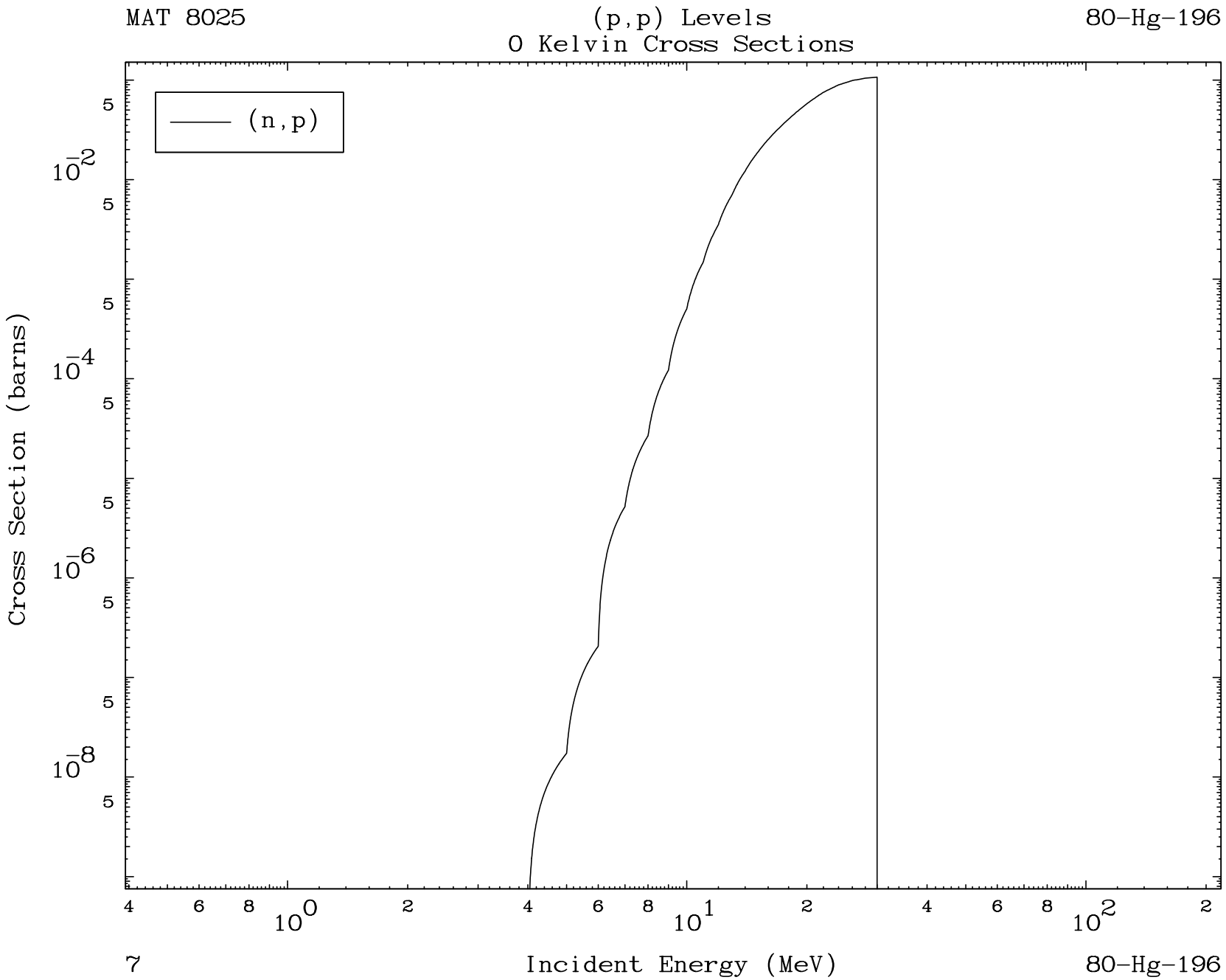

MAT 8025
Proton Neutron Absorption
0 Kelvin Cross Sections
80-Hg-196
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
80-Hg-196

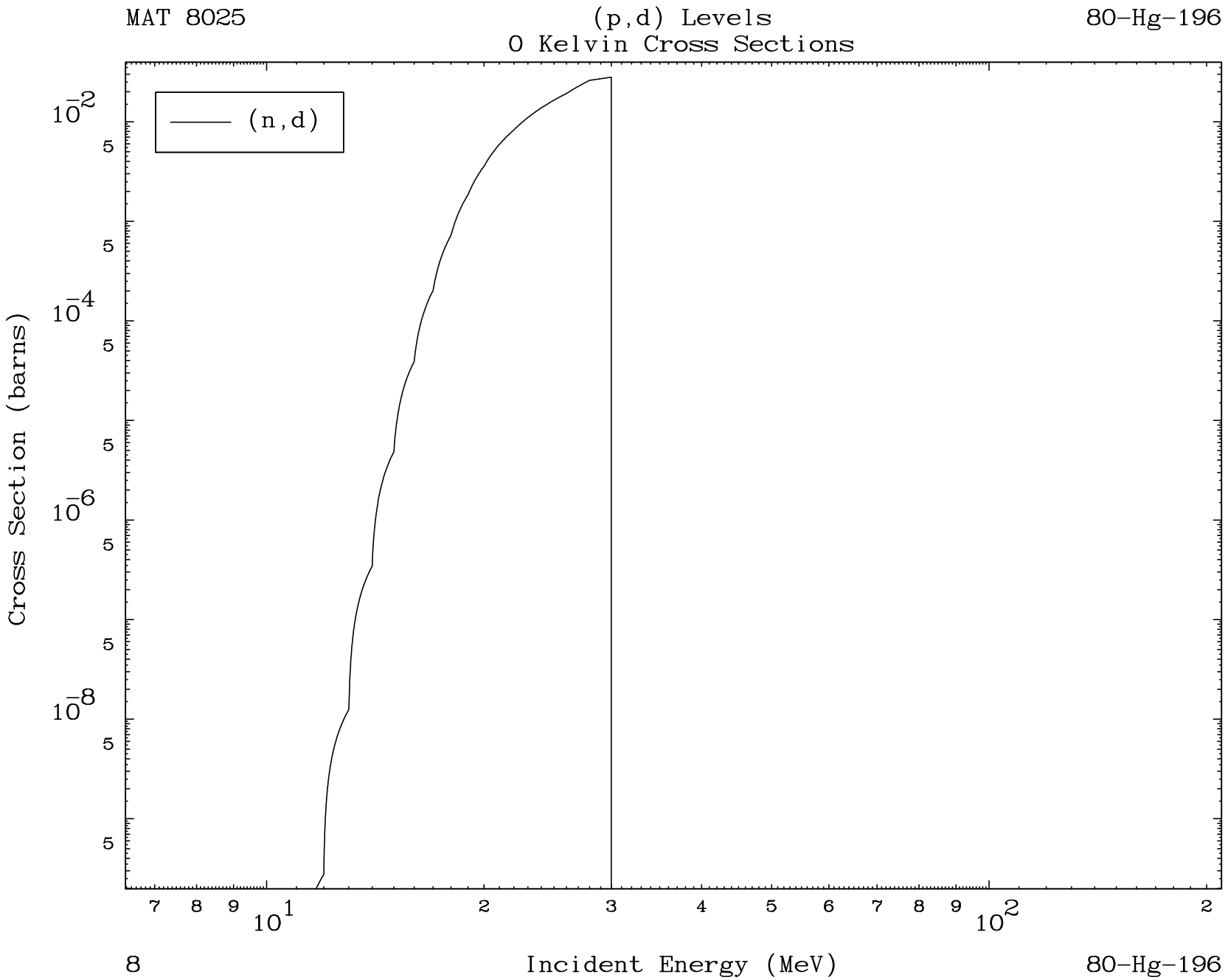

MAT 8025
Proton Neutron Absorption
0 Kelvin Cross Sections
80-Hg-196
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-196

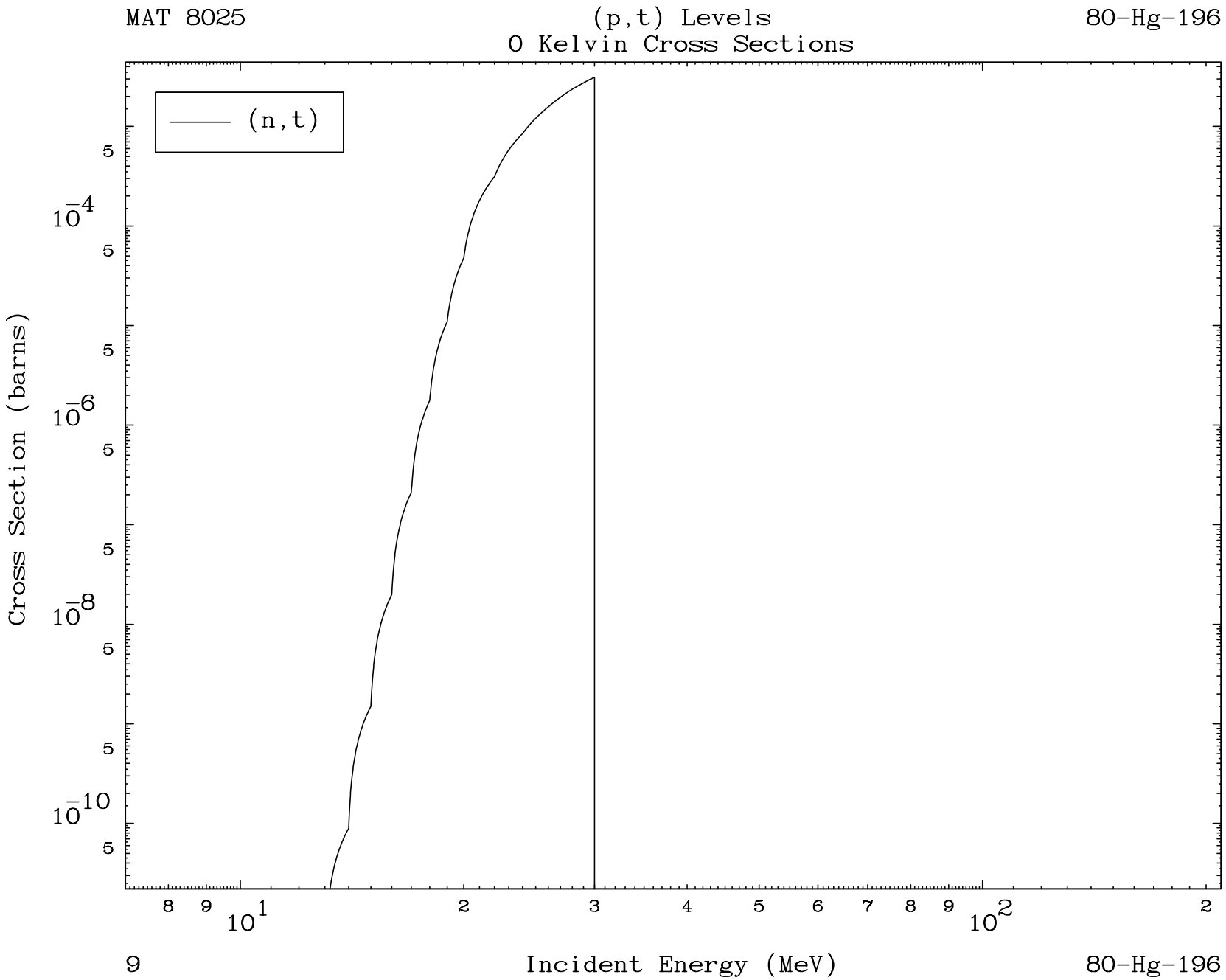

MAT 8025
Proton Neutron Absorption
0 Kelvin Cross Sections
80-Hg-196
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-196

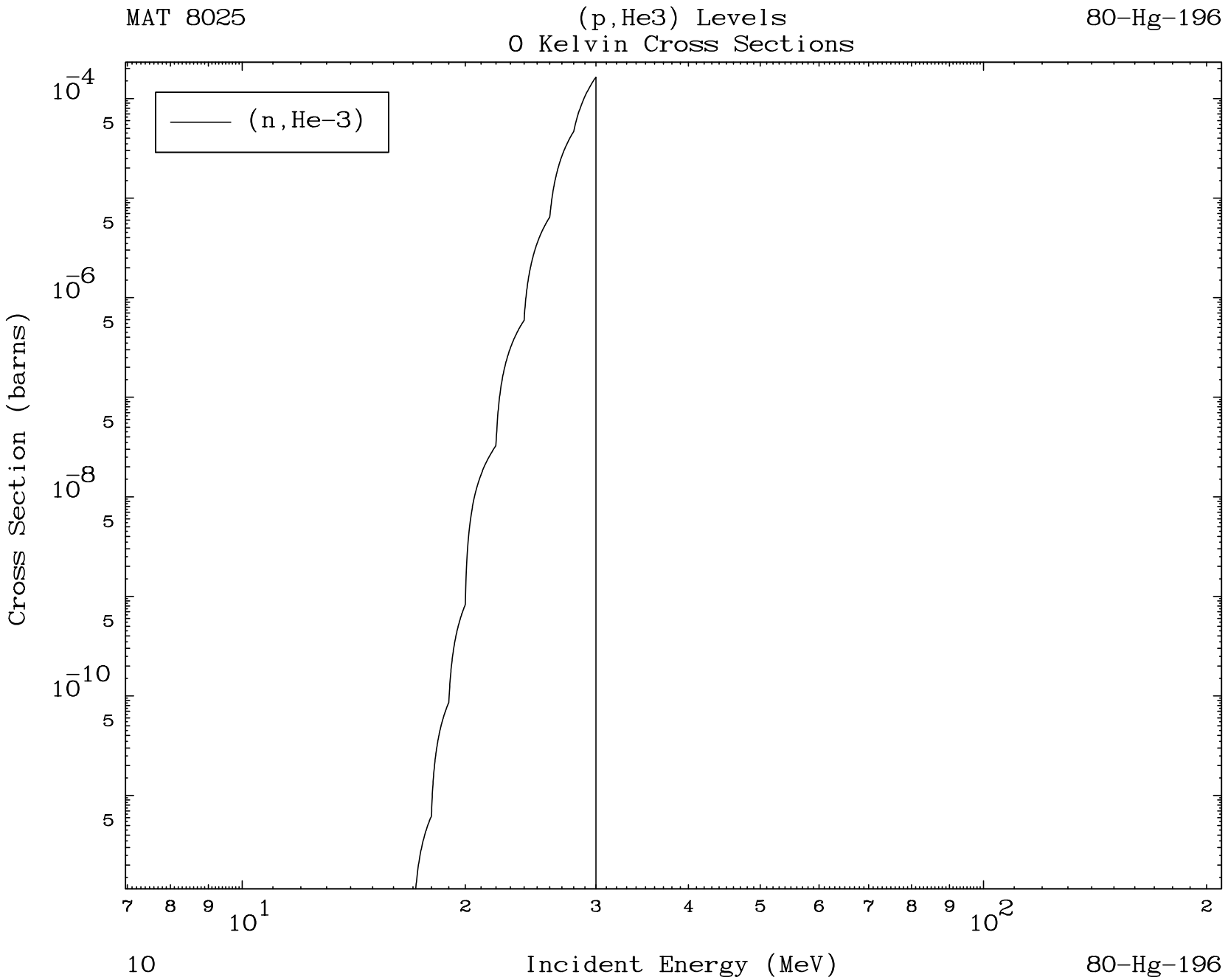

MAT 8025
Proton Charged Particle
0 Kelvin Cross Sections
80-Hg-196
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-196

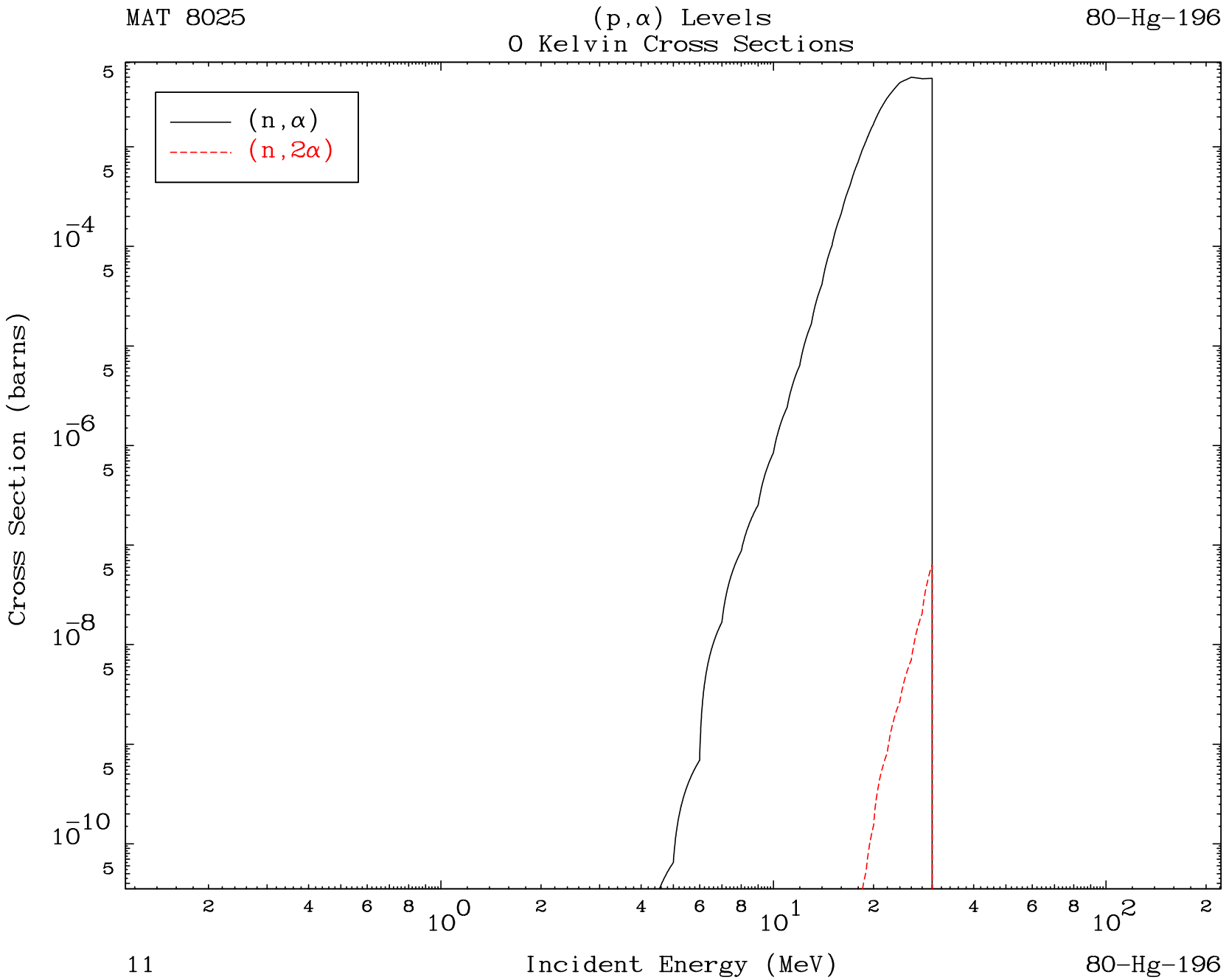

MAT 8025
Proton Charged Particle
0 Kelvin Cross Sections
80-Hg-196
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-196

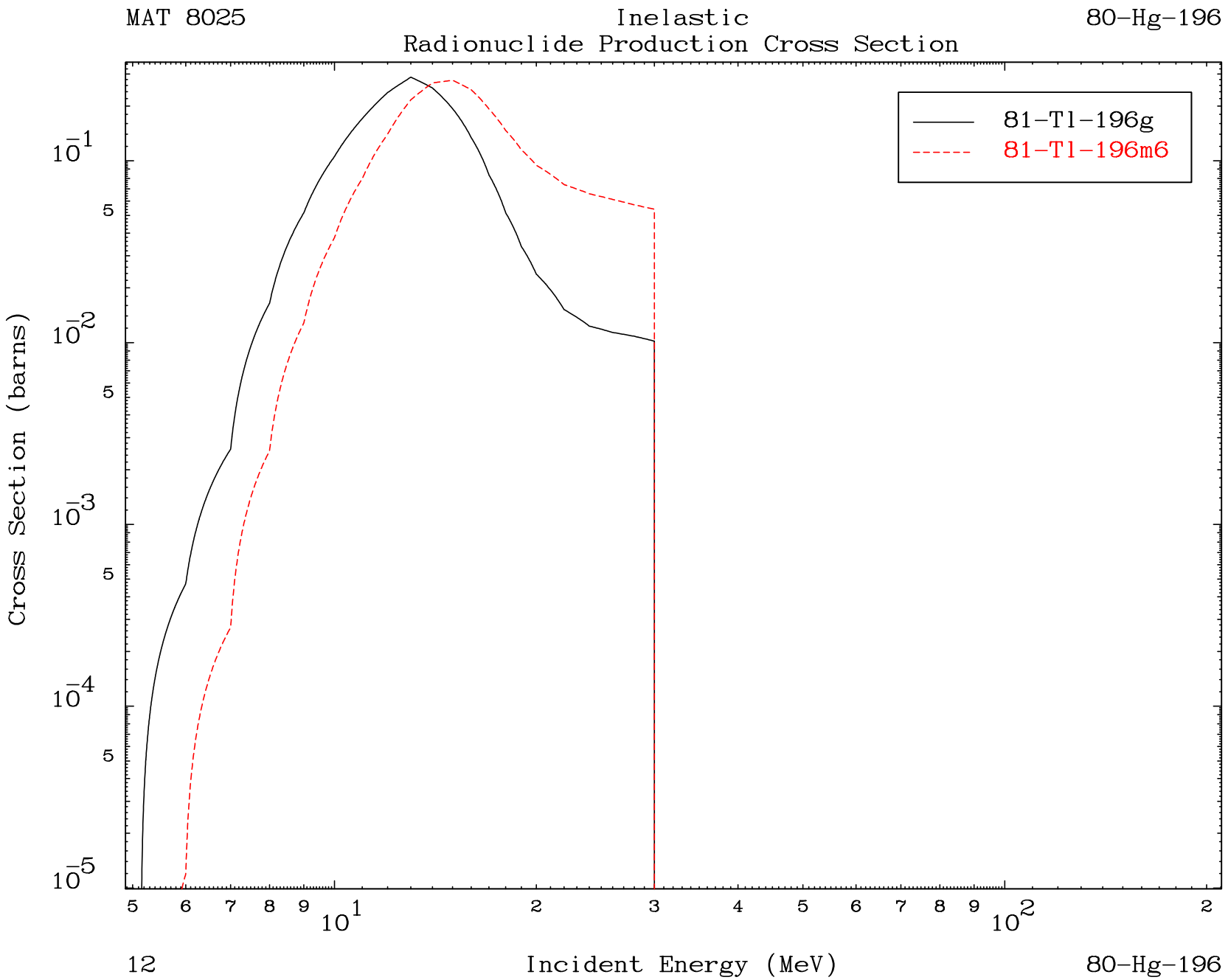

MAT 8025
(p,p) Levels
80-Hg-196
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-196

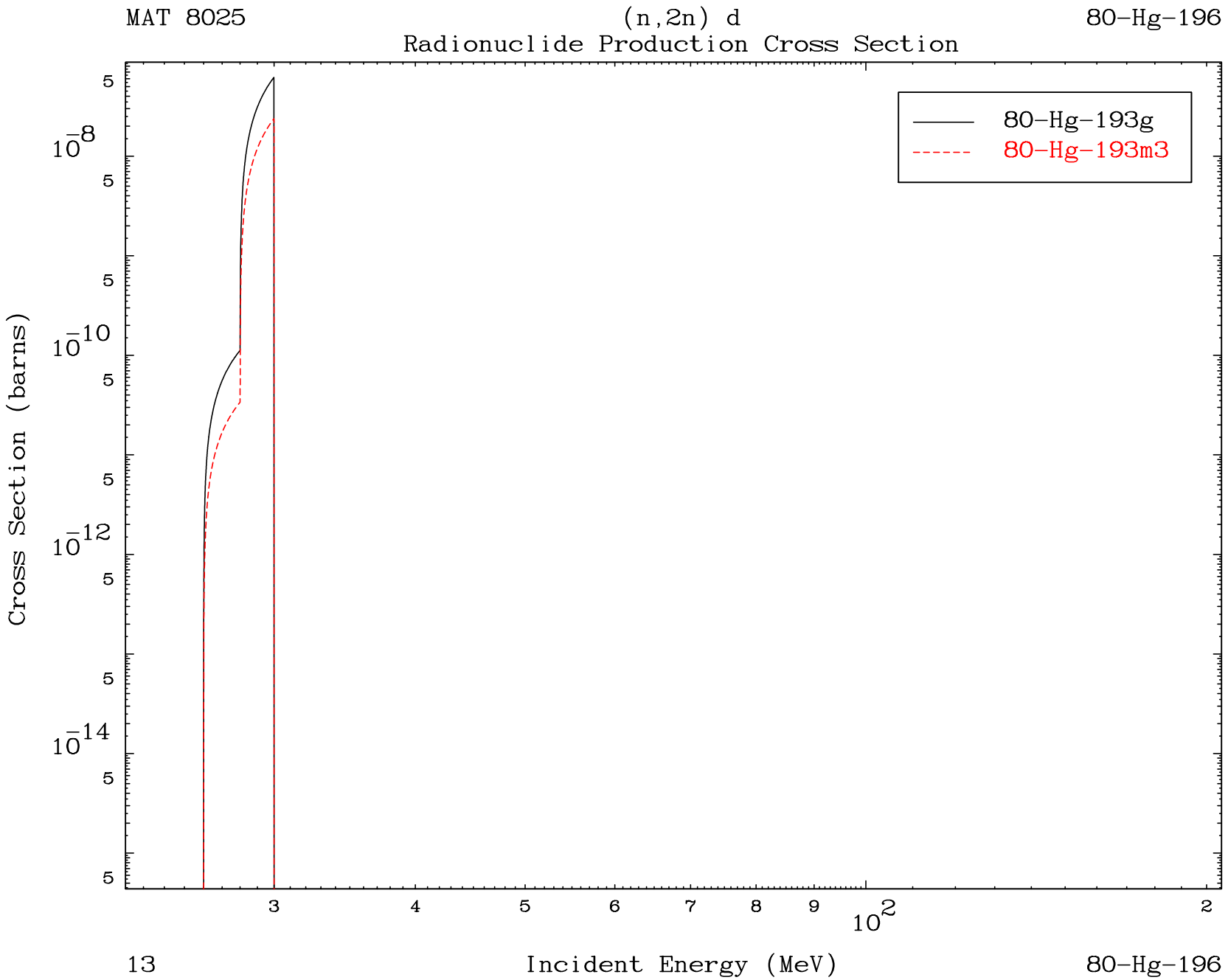

MAT 8025
(p,d) Levels
80-Hg-196
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
80-Hg-196

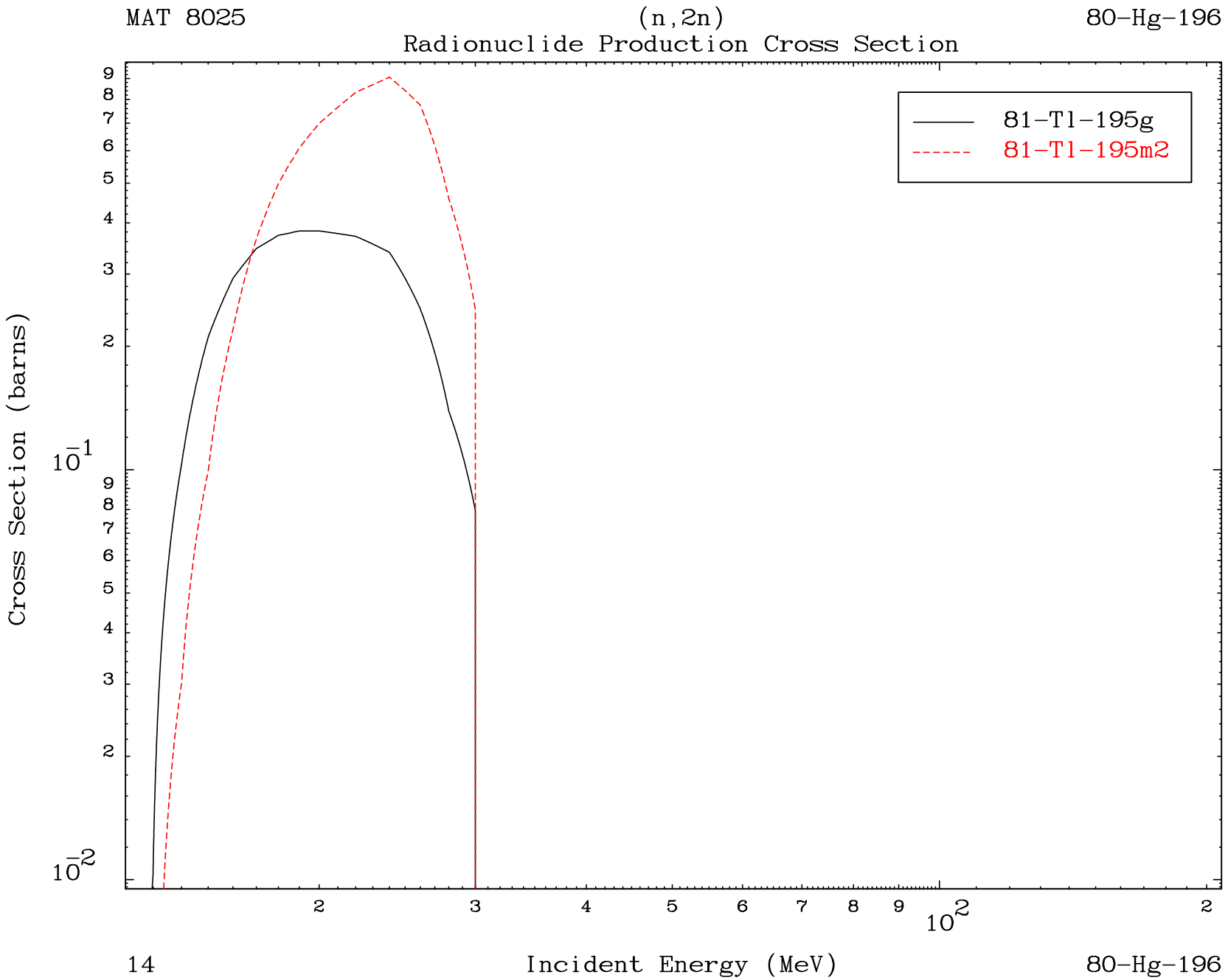

MAT 8025
(p,t) Levels
80-Hg-196
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
9
80-Hg-196

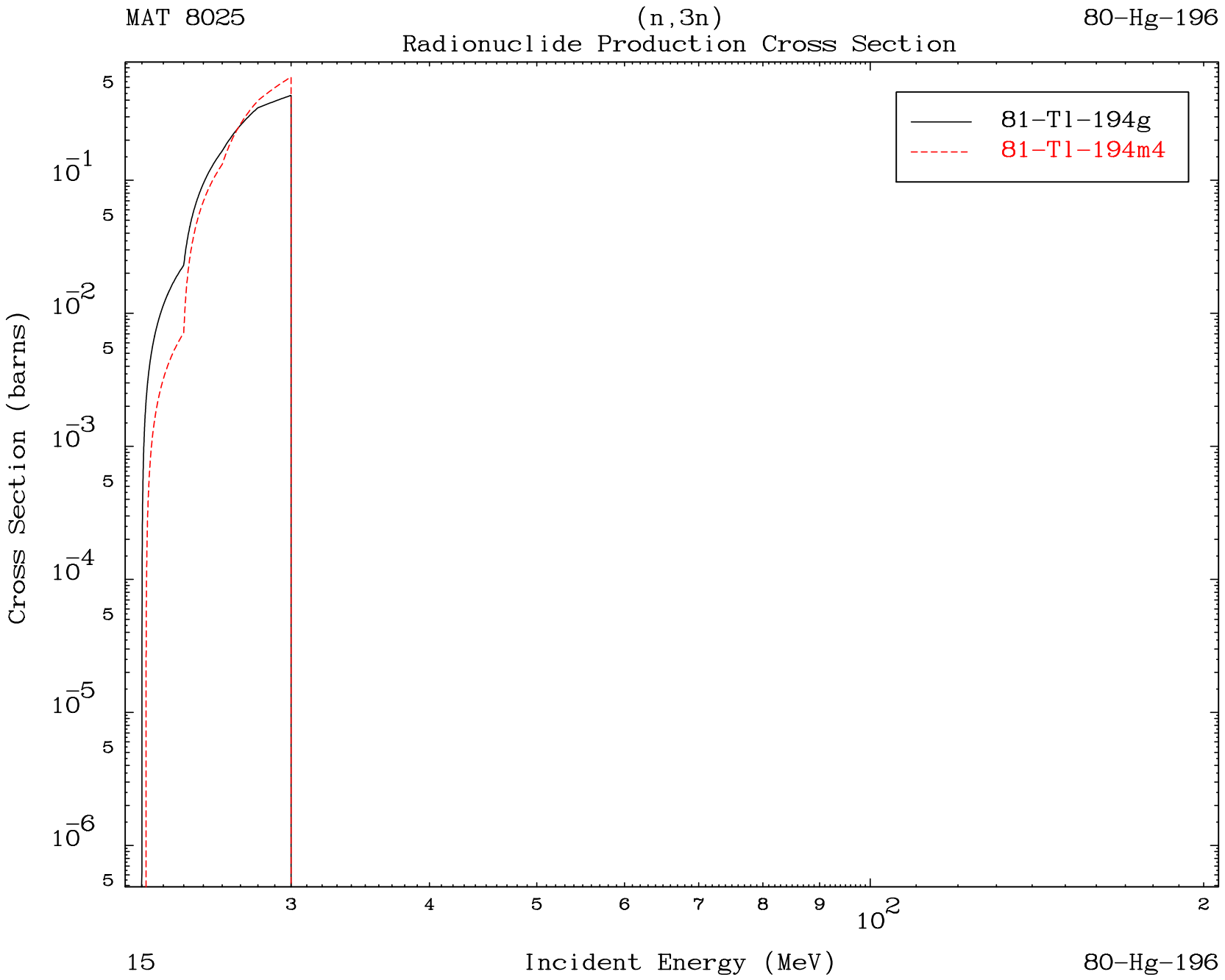

MAT 8025
(p,He3) Levels
80-Hg-196
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
80-Hg-196

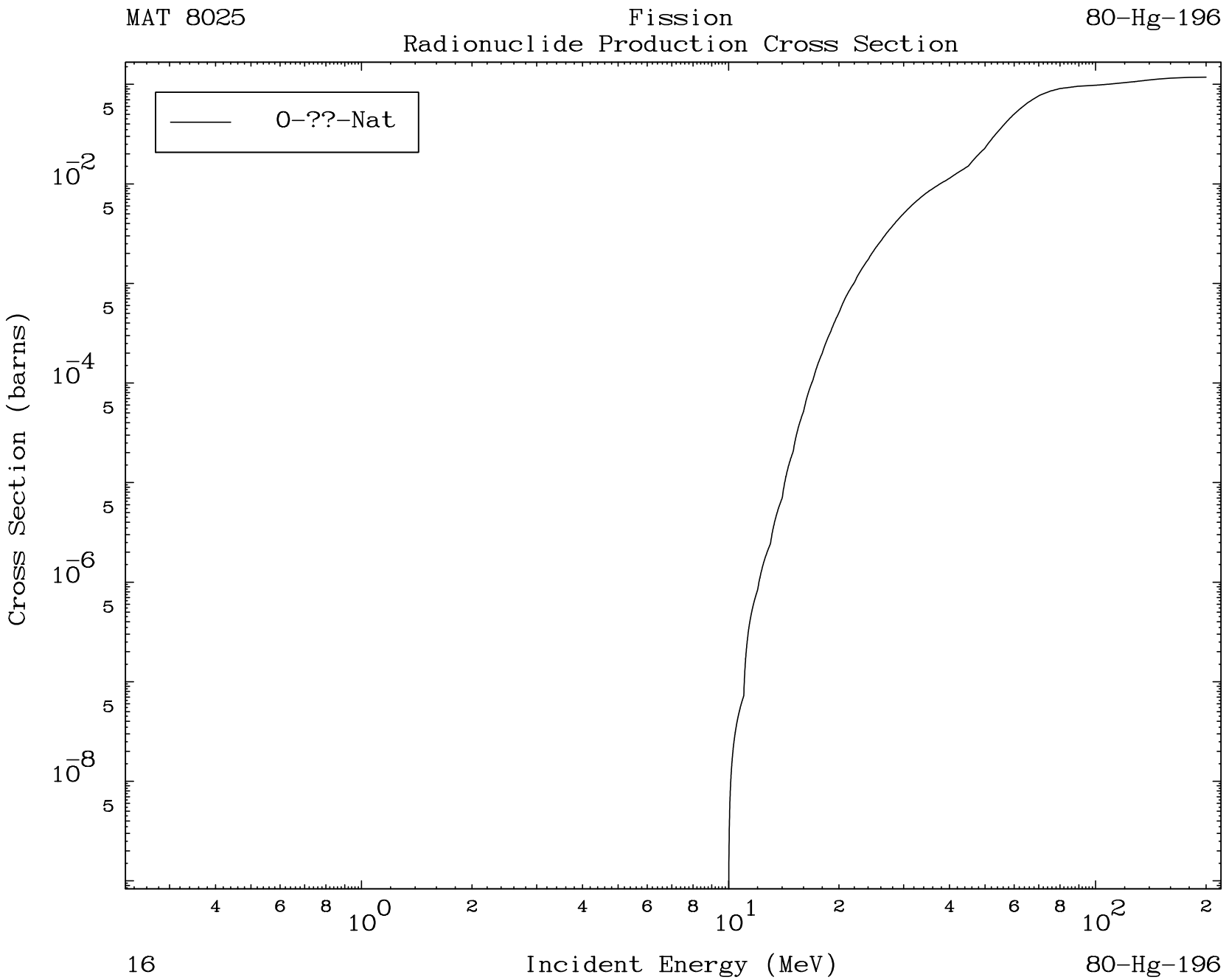

MAT 8025
(p,α) Levels
80-Hg-196
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
80-Hg-196

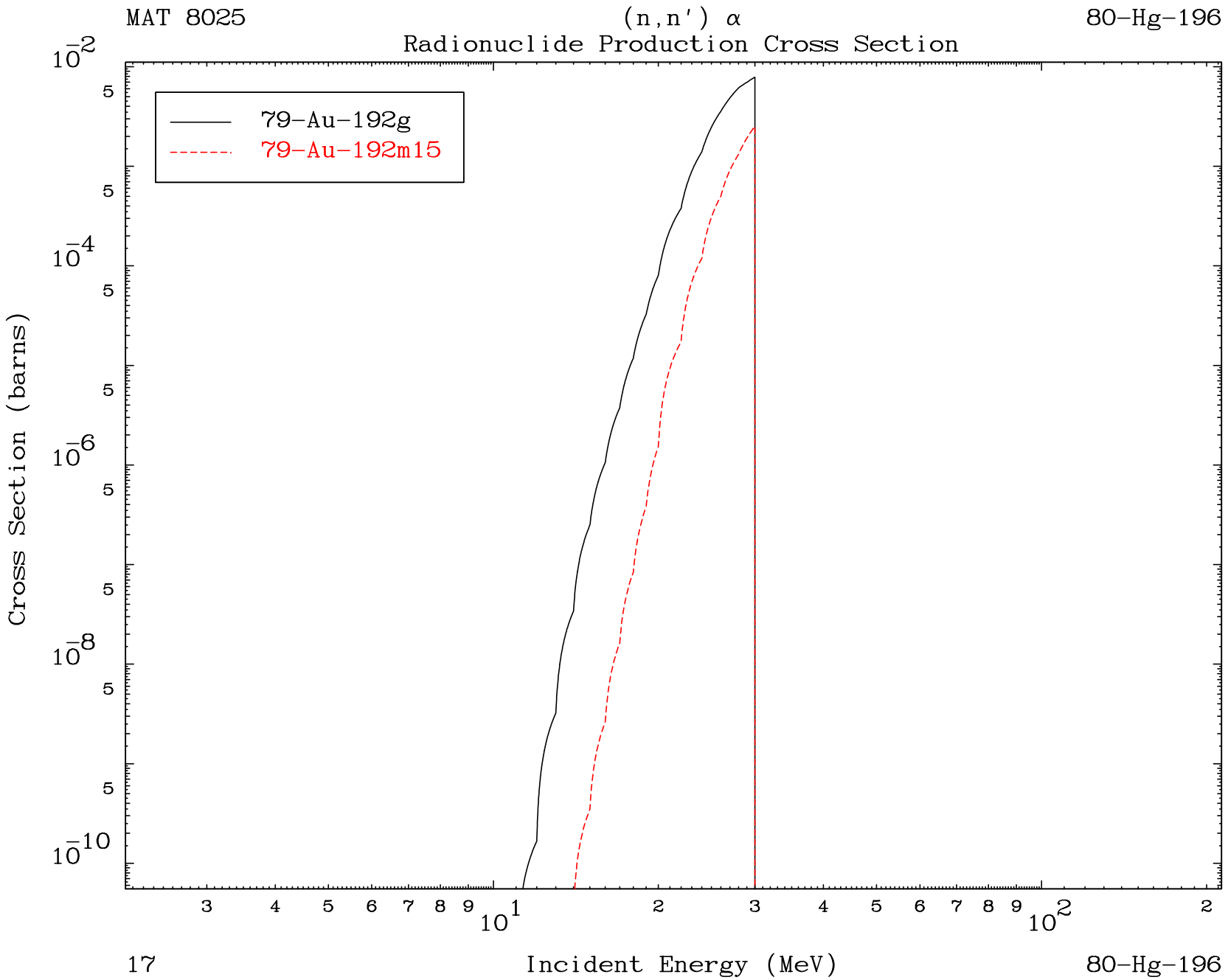

MAT 8025
Inelastic
80-Hg-196
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-196

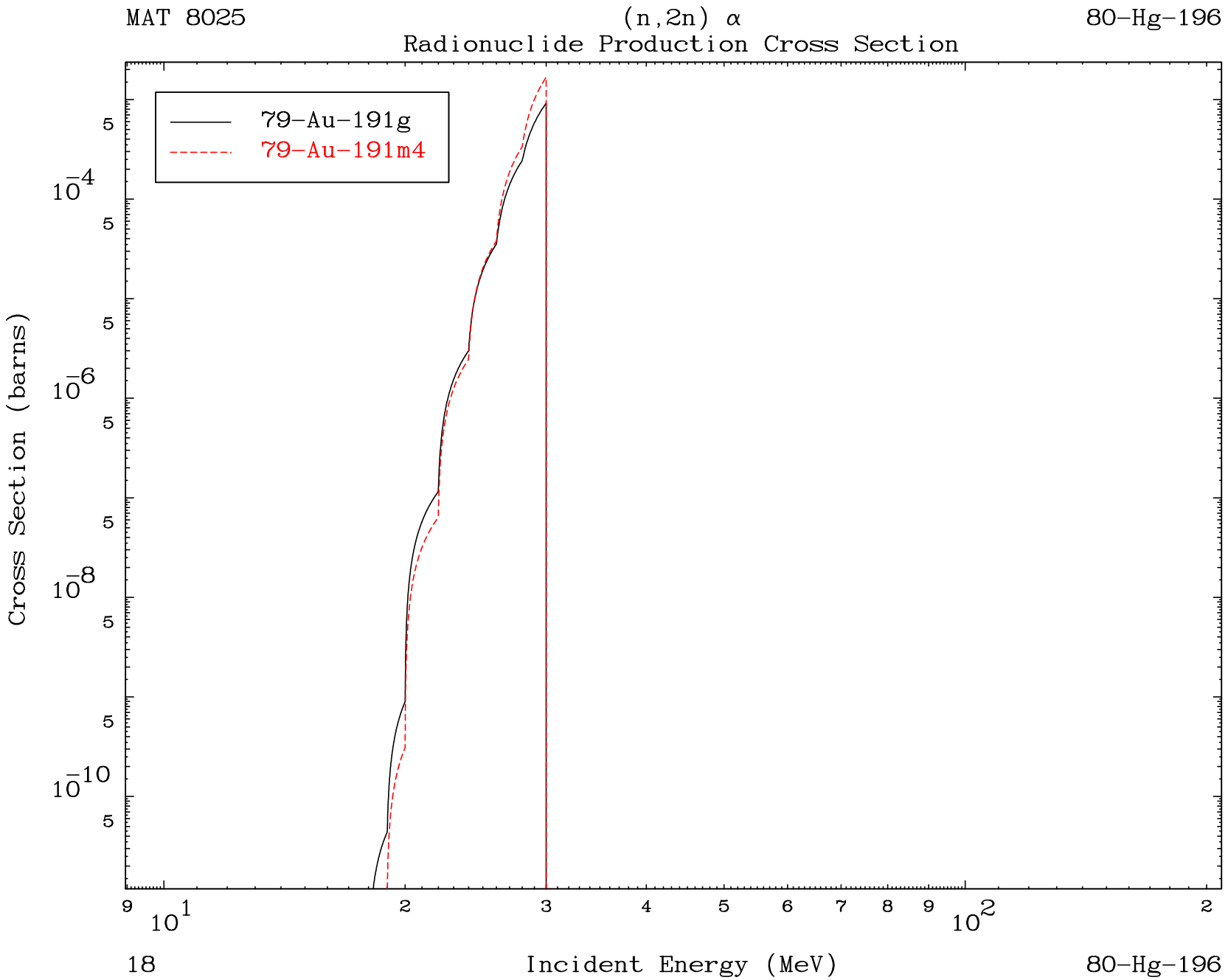

MAT 8025
(n,2n) d
80-Hg-196
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
80-Hg-196

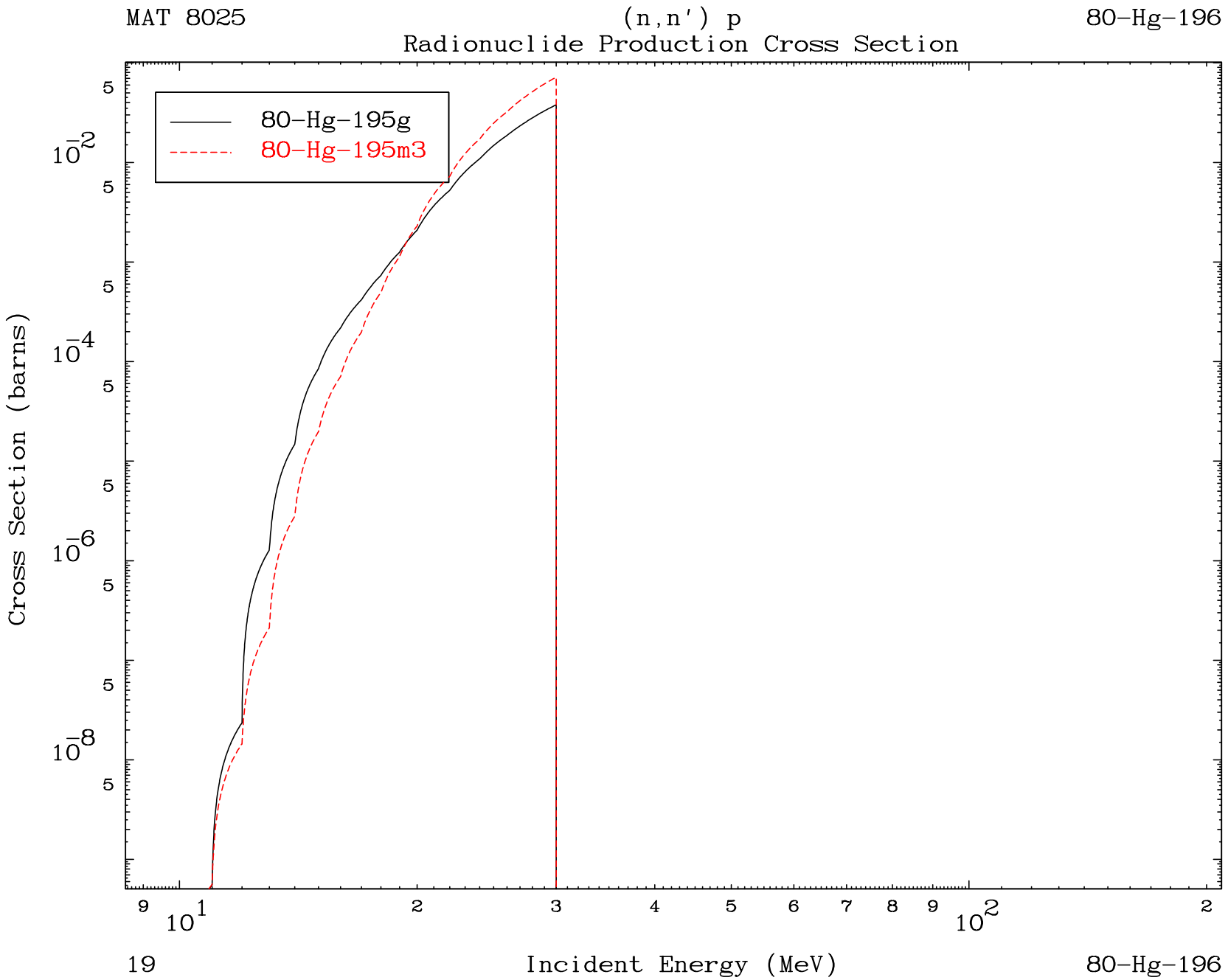

MAT 8025
(n,2n)
80-Hg-196
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
Incident Energy (MeV)
14
80-Hg-196

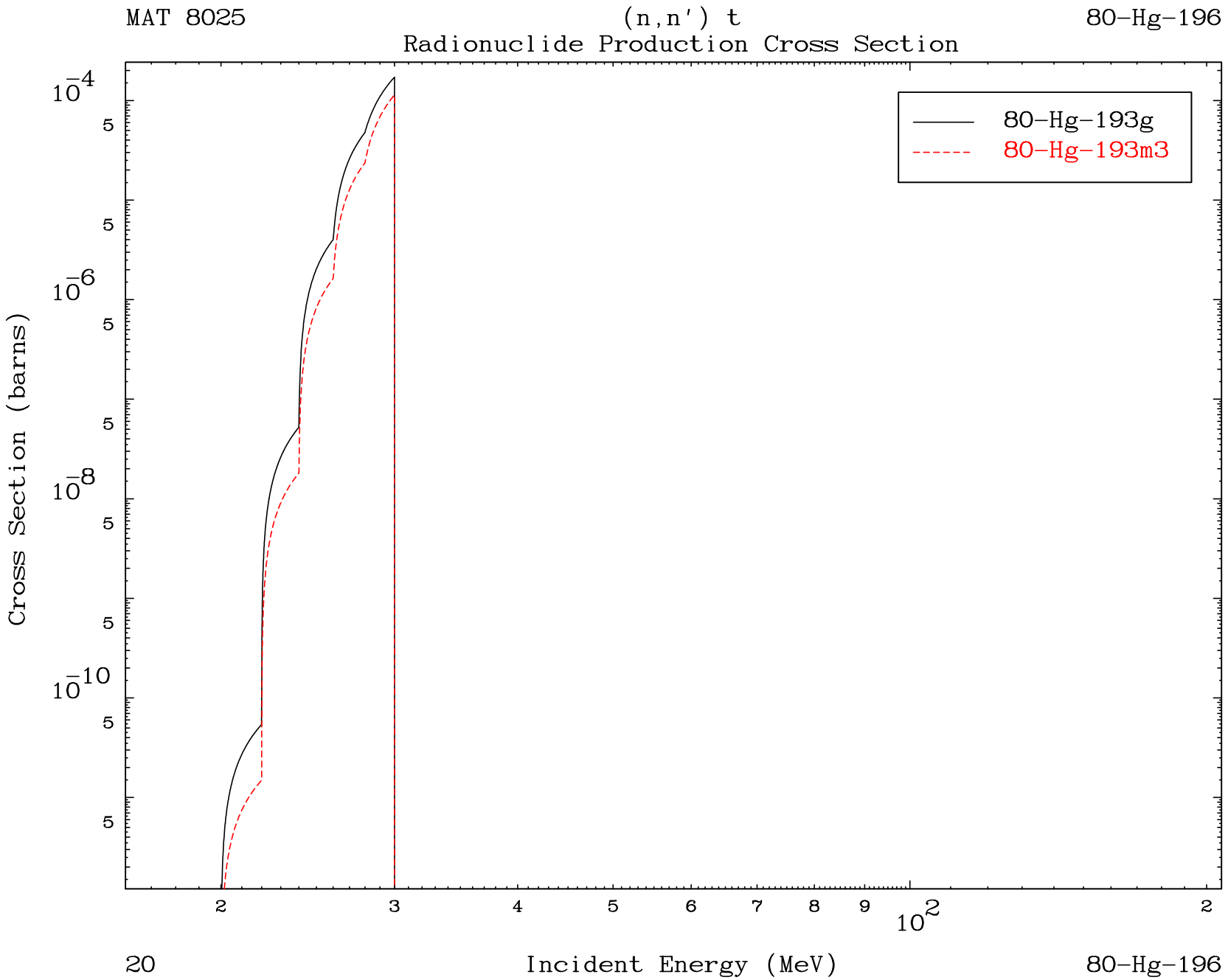

MAT 8025
(n,3n)
80-Hg-196
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
Incident Energy (MeV)
15
80-Hg-196

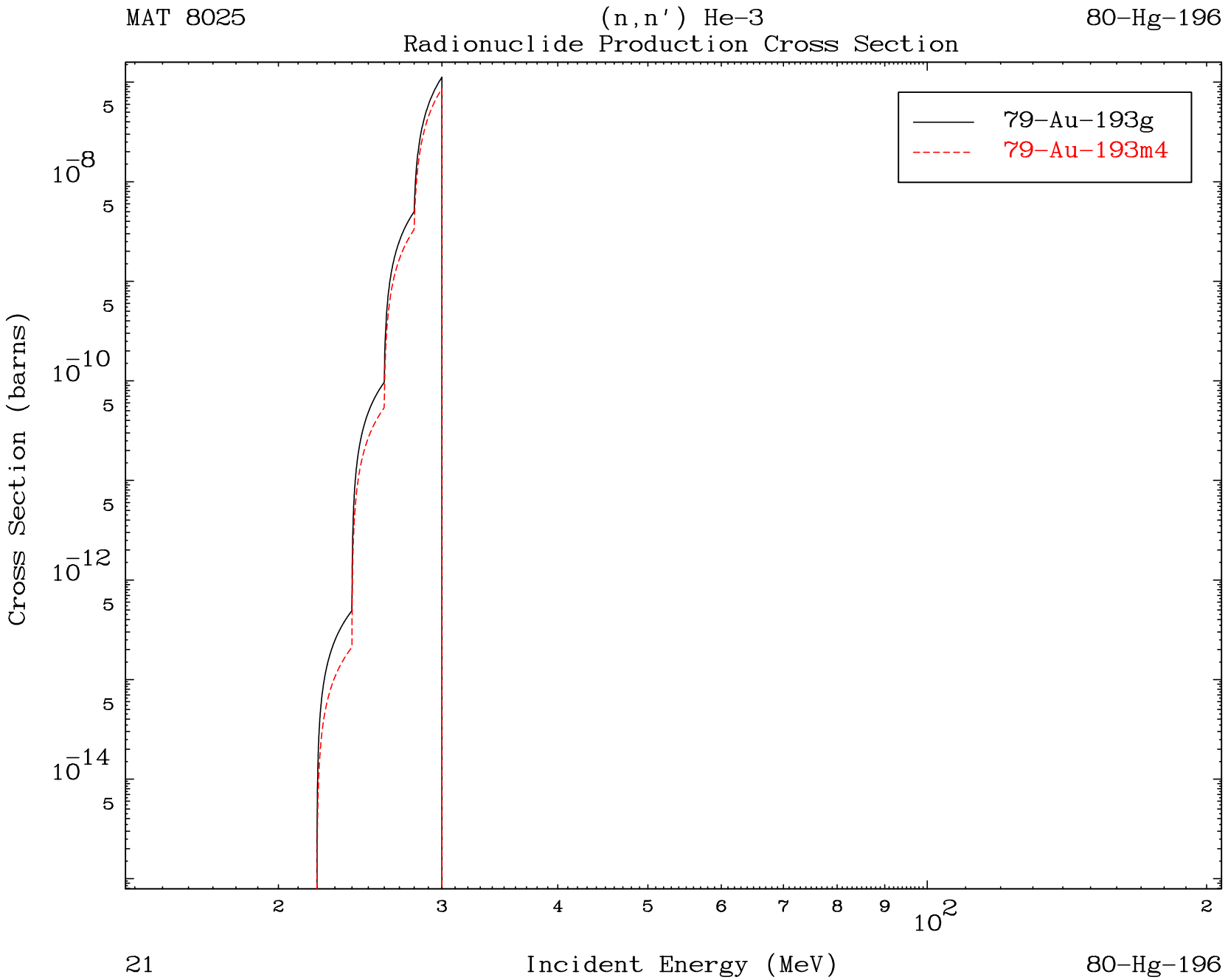

MAT 8025
Fission
80-Hg-196
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
16
80-Hg-196

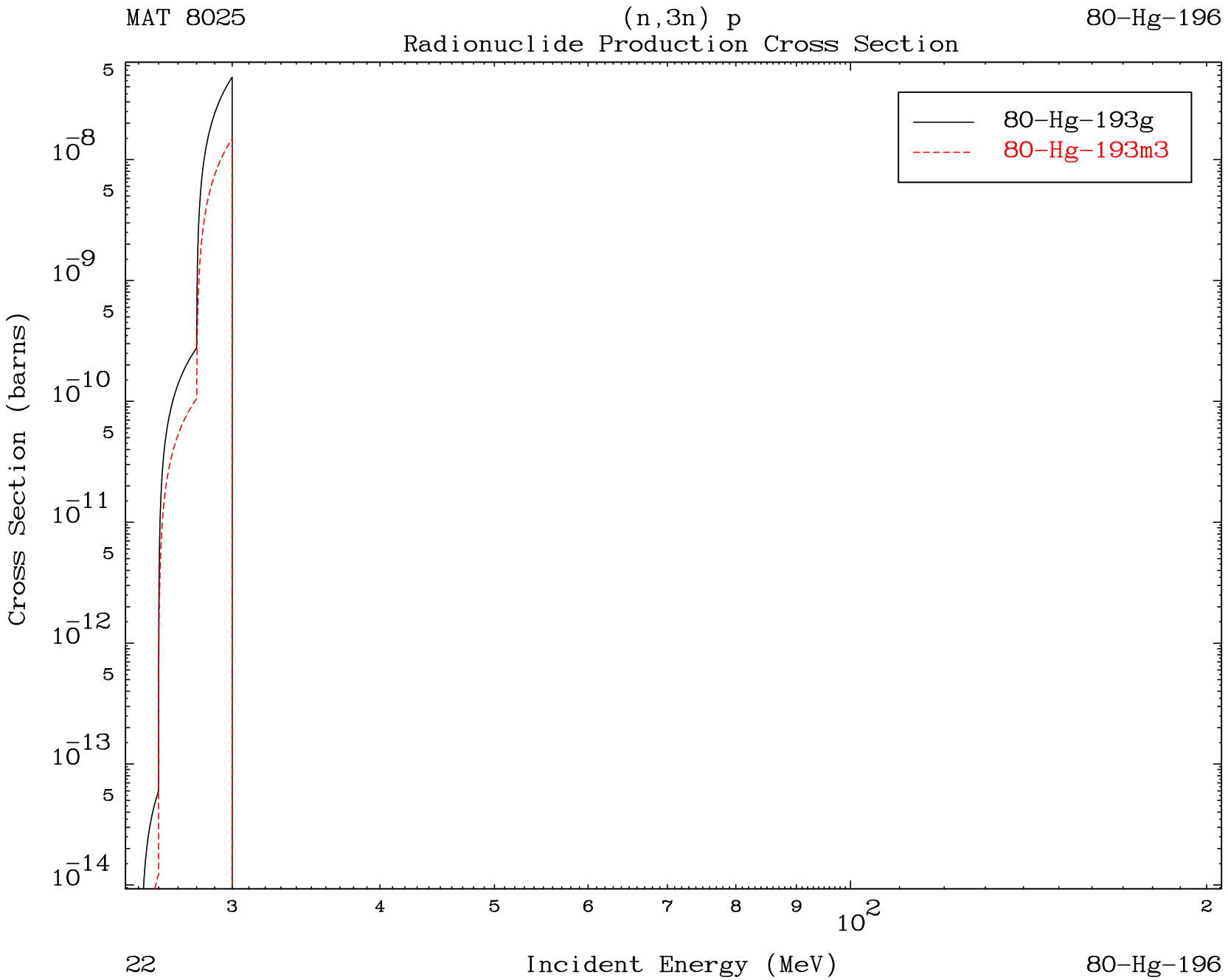

MAT 8025
(n,n') α
80-Hg-196
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
Incident Energy (MeV)
17
80-Hg-196

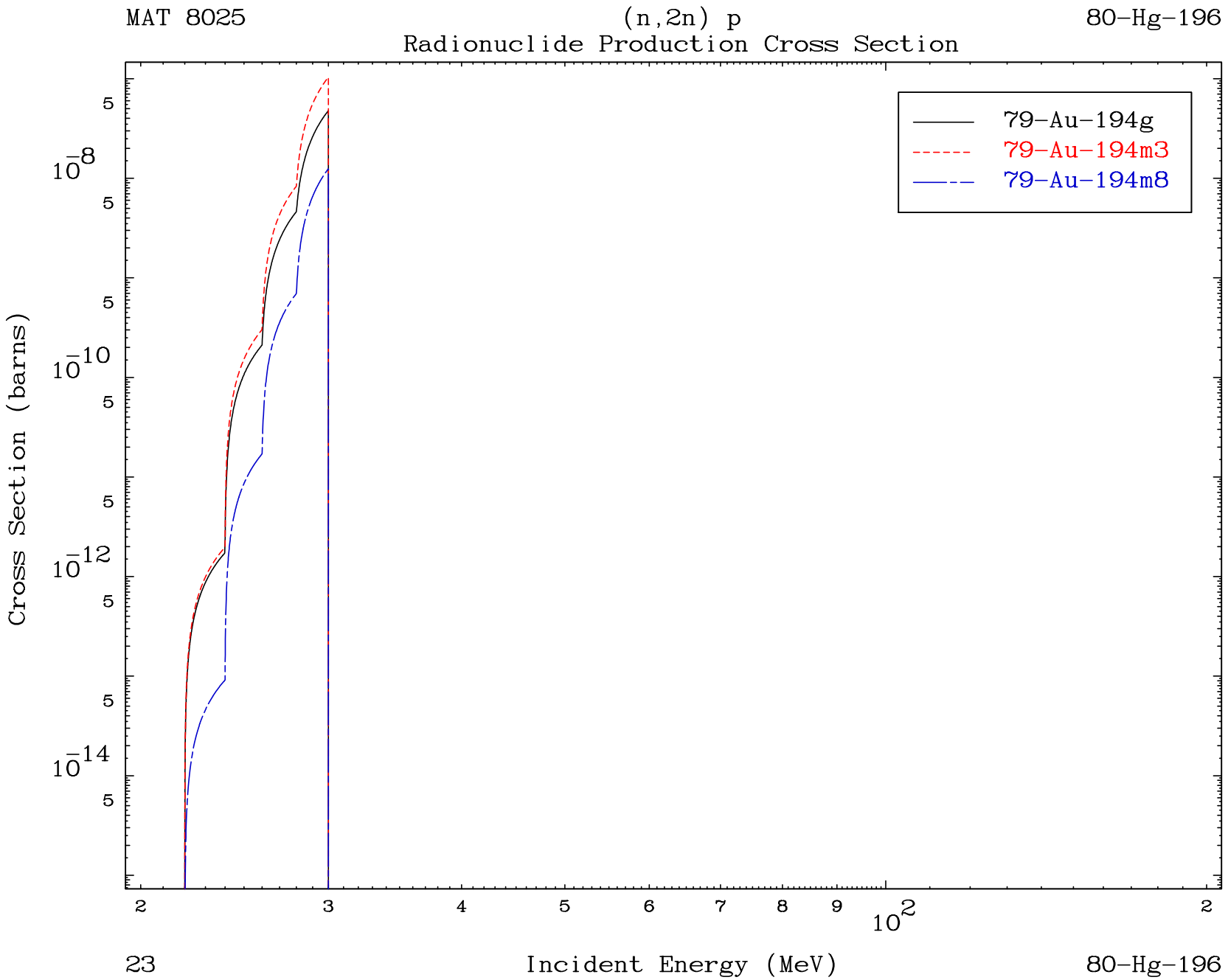

MAT 8025
(n,2n) α
80-Hg-196
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
18
80-Hg-196

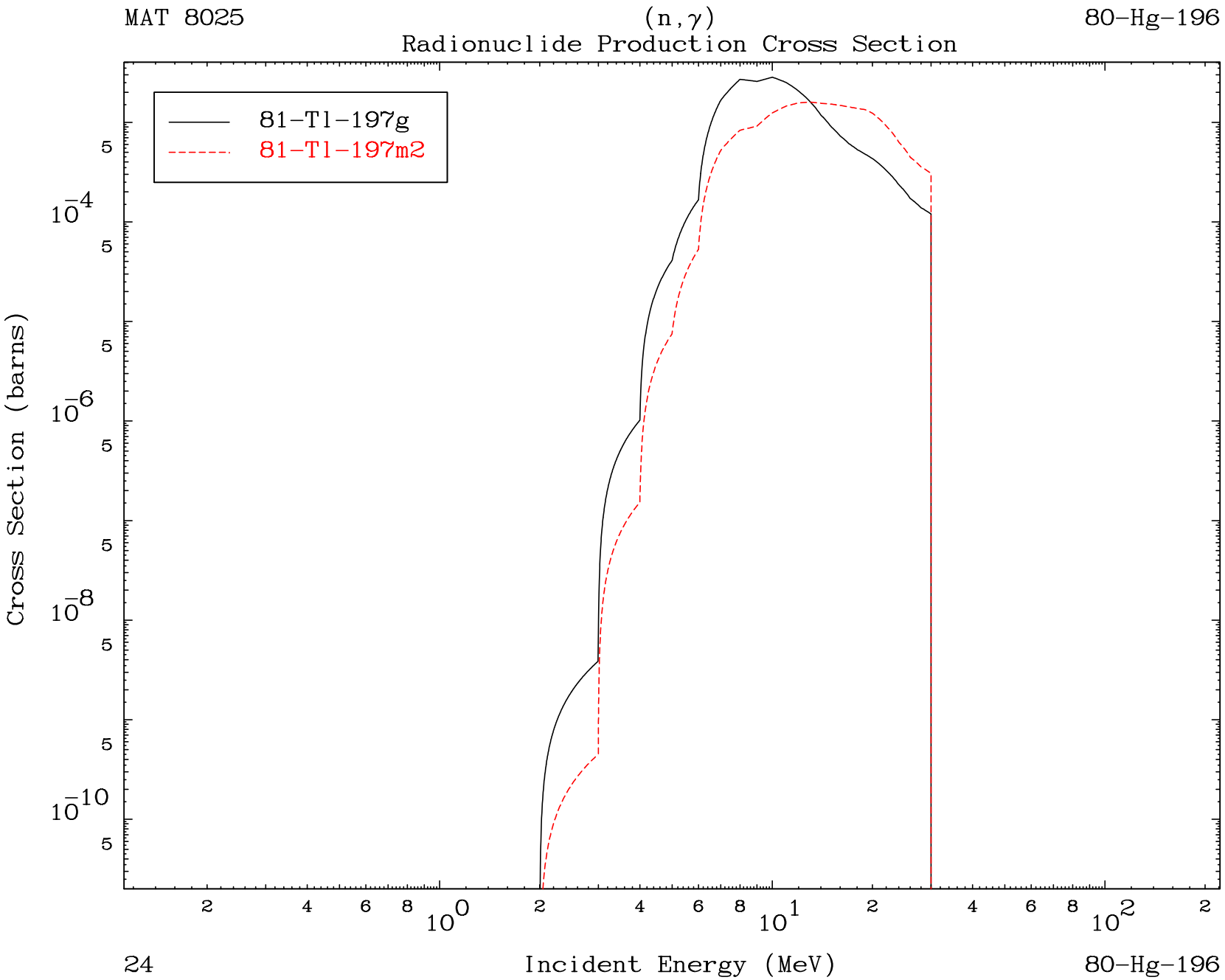

MAT 8025
(n,n') p
80-Hg-196
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
80-Hg-196

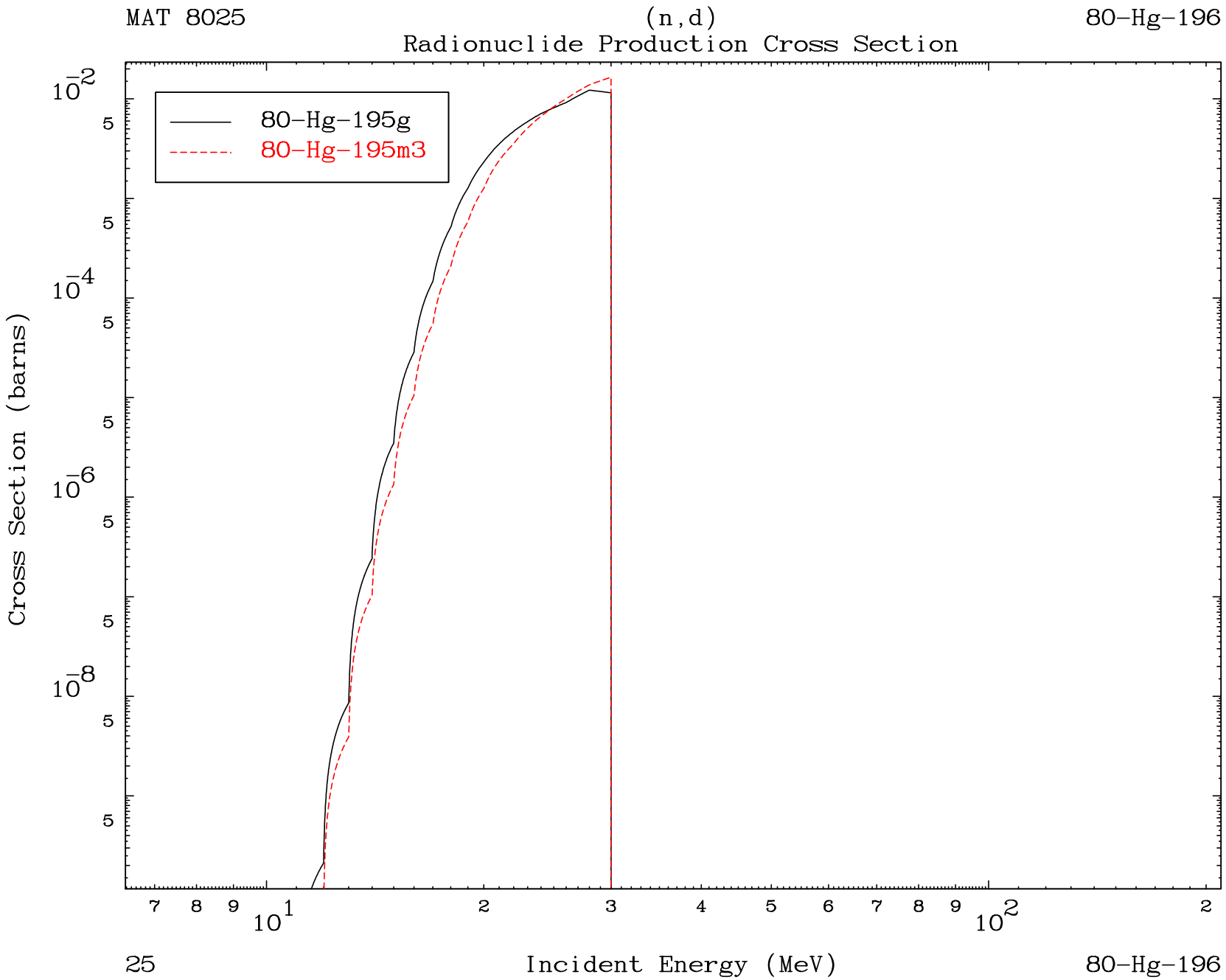

MAT 8025
(n,n') t
80-Hg-196
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
20
80-Hg-196

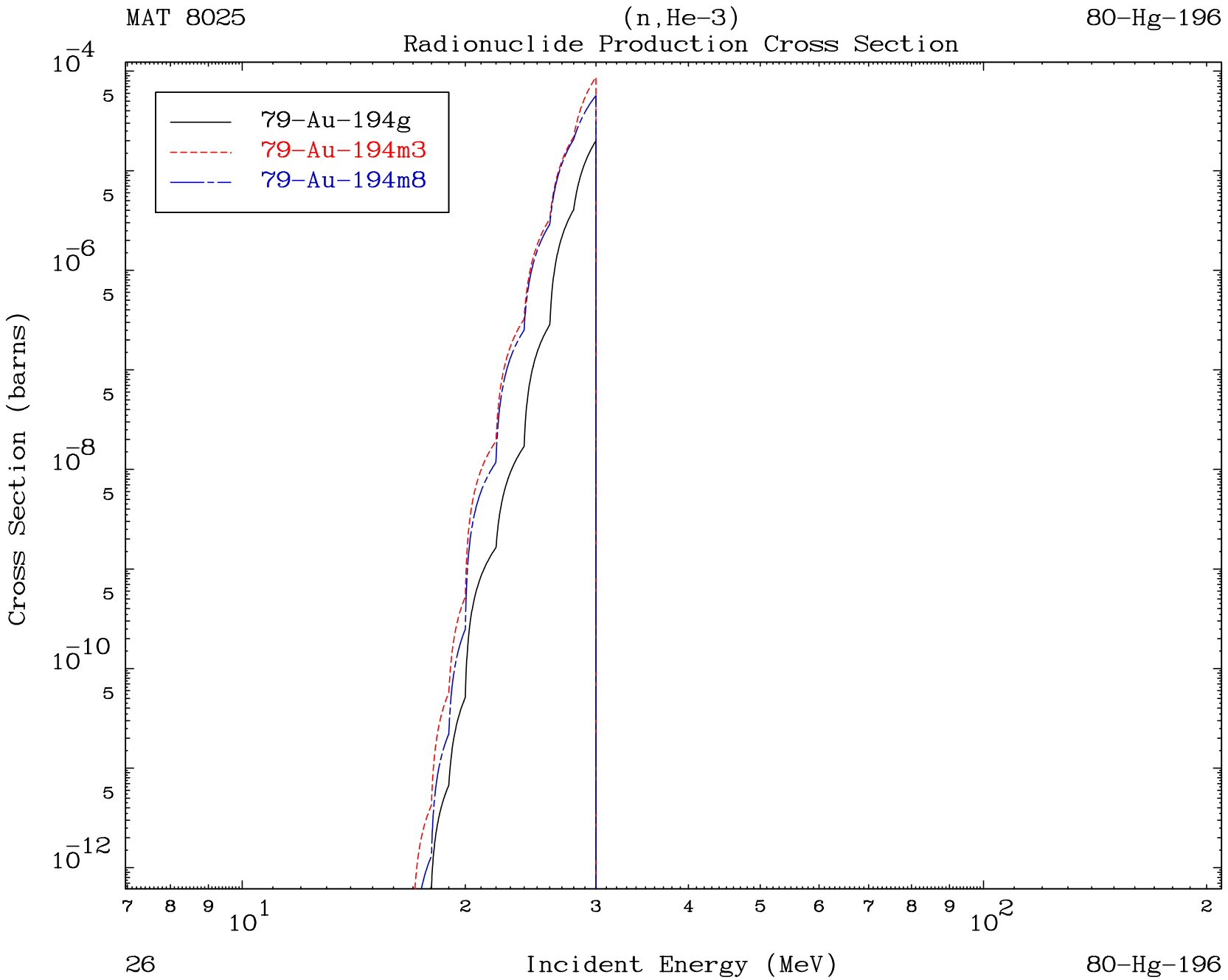

MAT 8025
(n,n') He-3
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
80-Hg-196

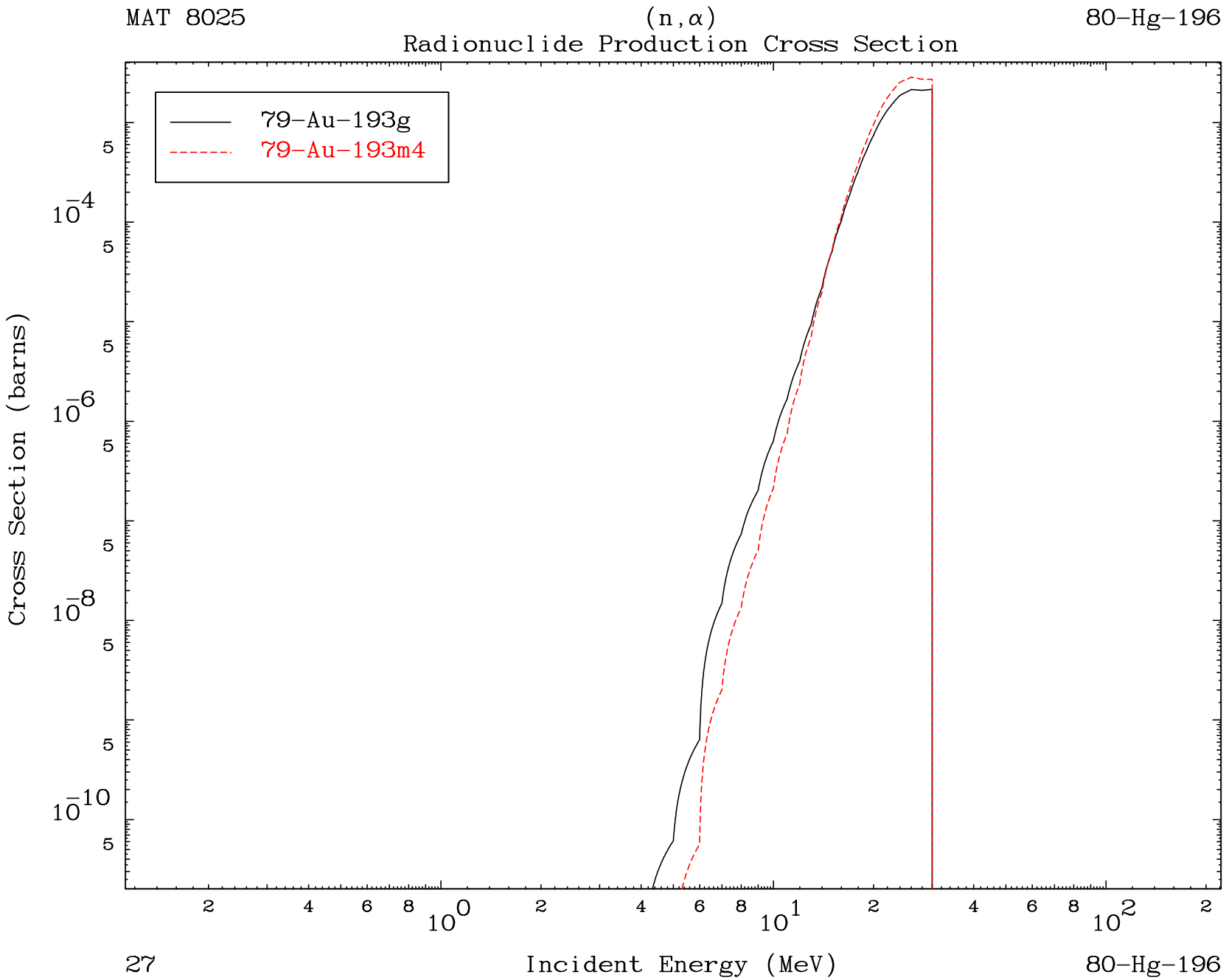

MAT 8025
(n,3n) p
80-Hg-196
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
22
80-Hg-196

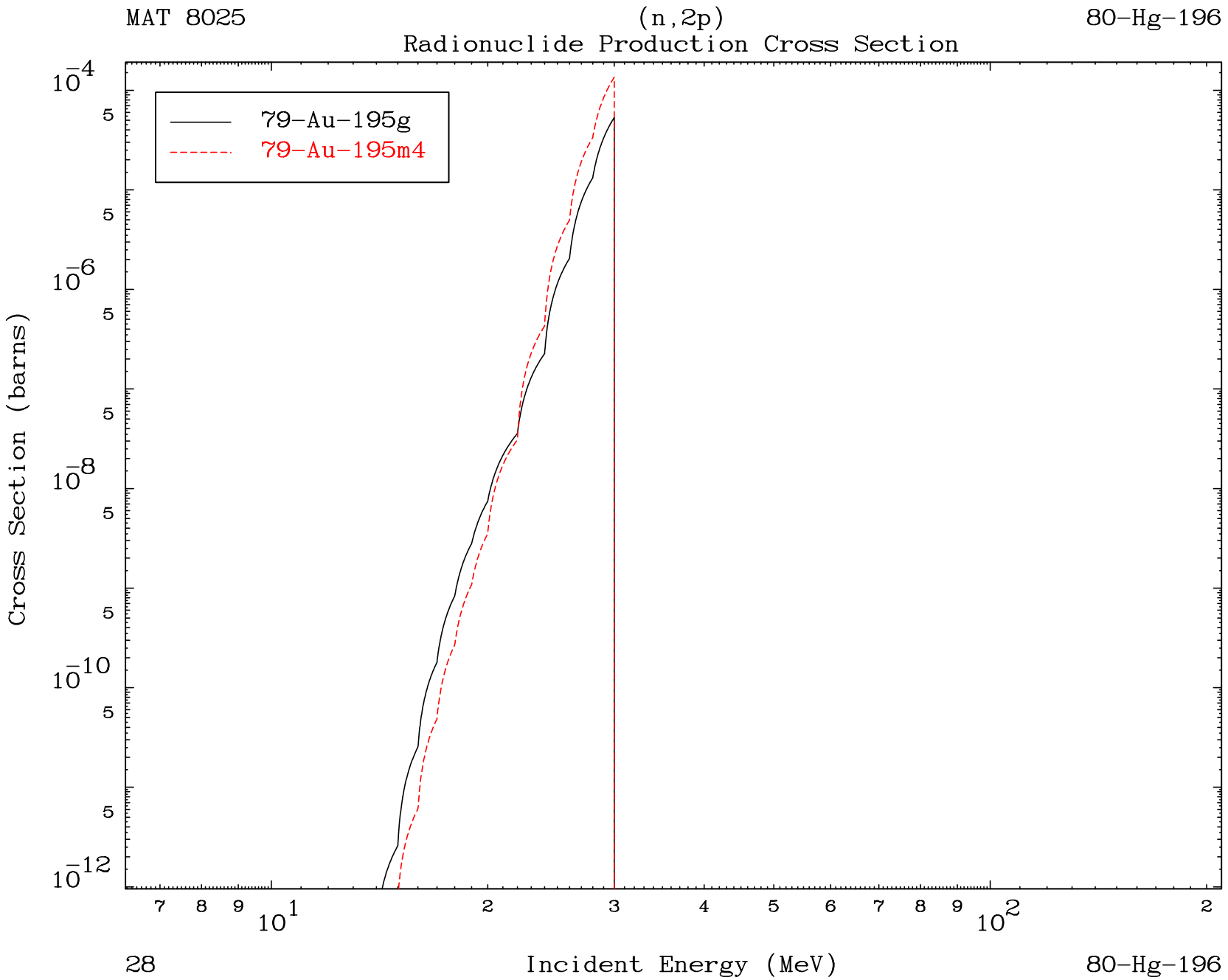

MAT 8025
(n,2n) p
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
80-Hg-196

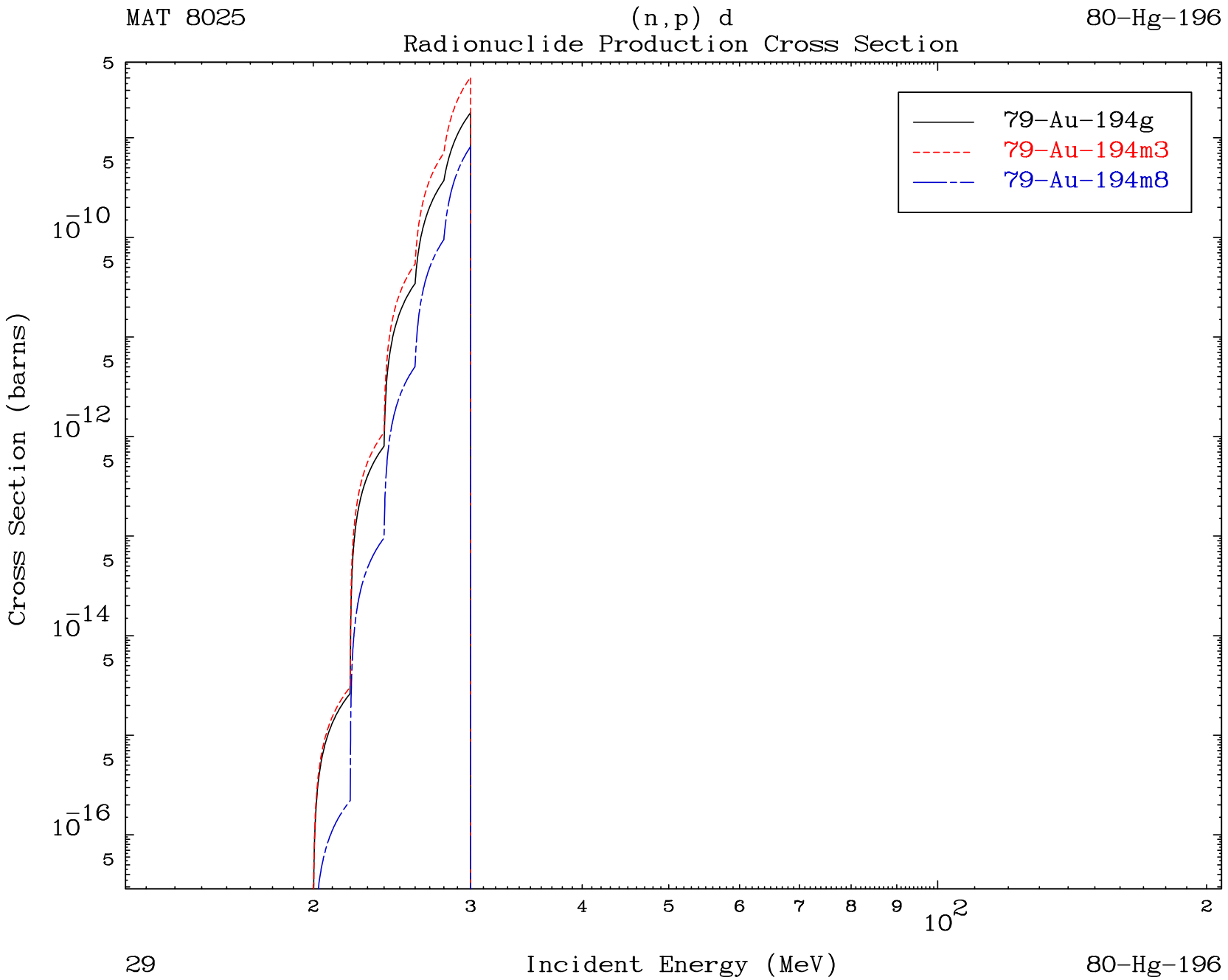

MAT 8025
(n,γ)
80-Hg-196
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
24
80-Hg-196

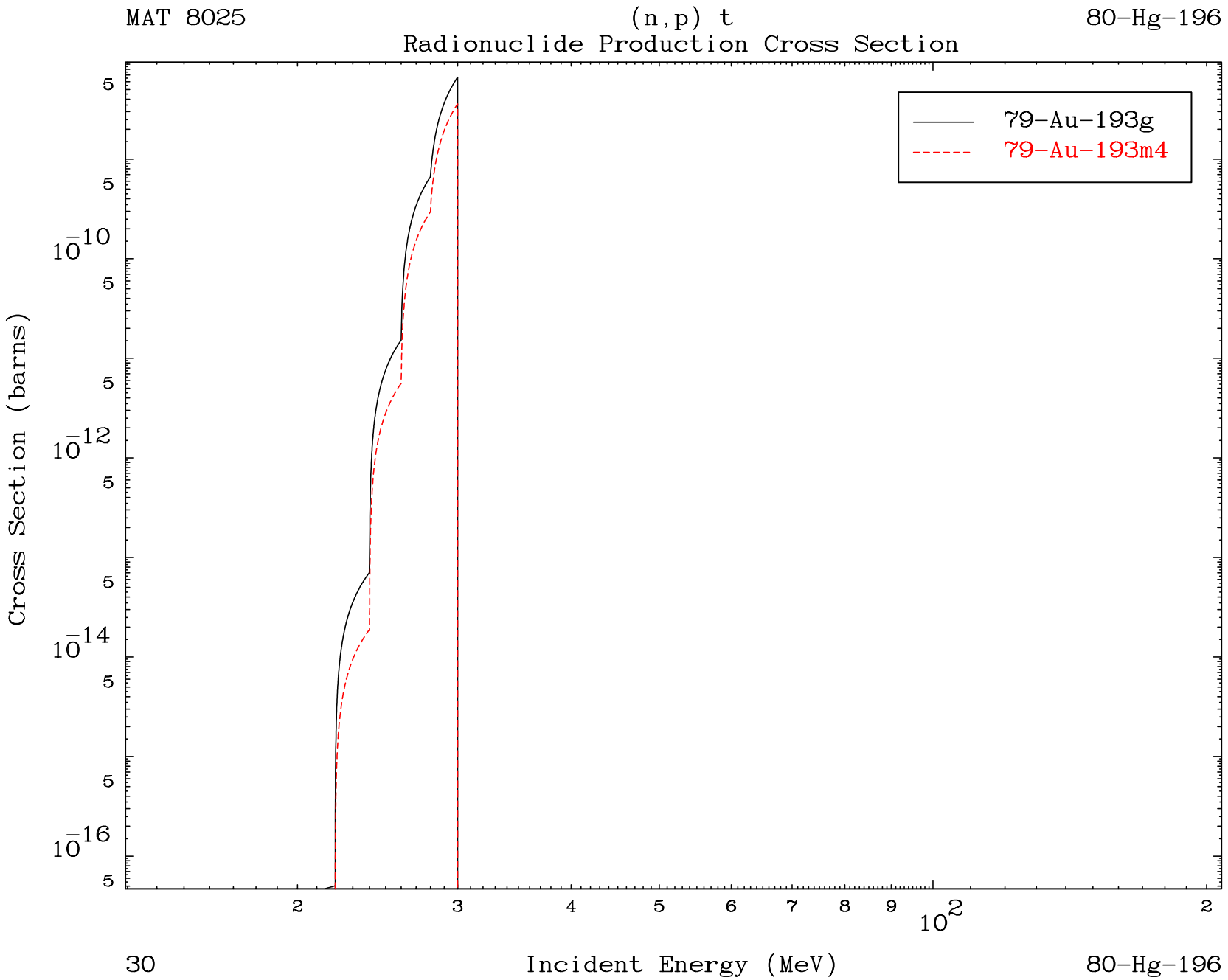

MAT 8025
(n,d)
80-Hg-196
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
25
80-Hg-196


MAT 8025
(n,He-3)
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
26
80-Hg-196


MAT 8025
(n,α)
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
27
80-Hg-196


MAT 8025
(n,2p)
80-Hg-196
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
Incident Energy (MeV)
28
80-Hg-196


MAT 8025
(n,p) d
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
29
80-Hg-196


MAT 8025
(n,p) t
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
30
80-Hg-196