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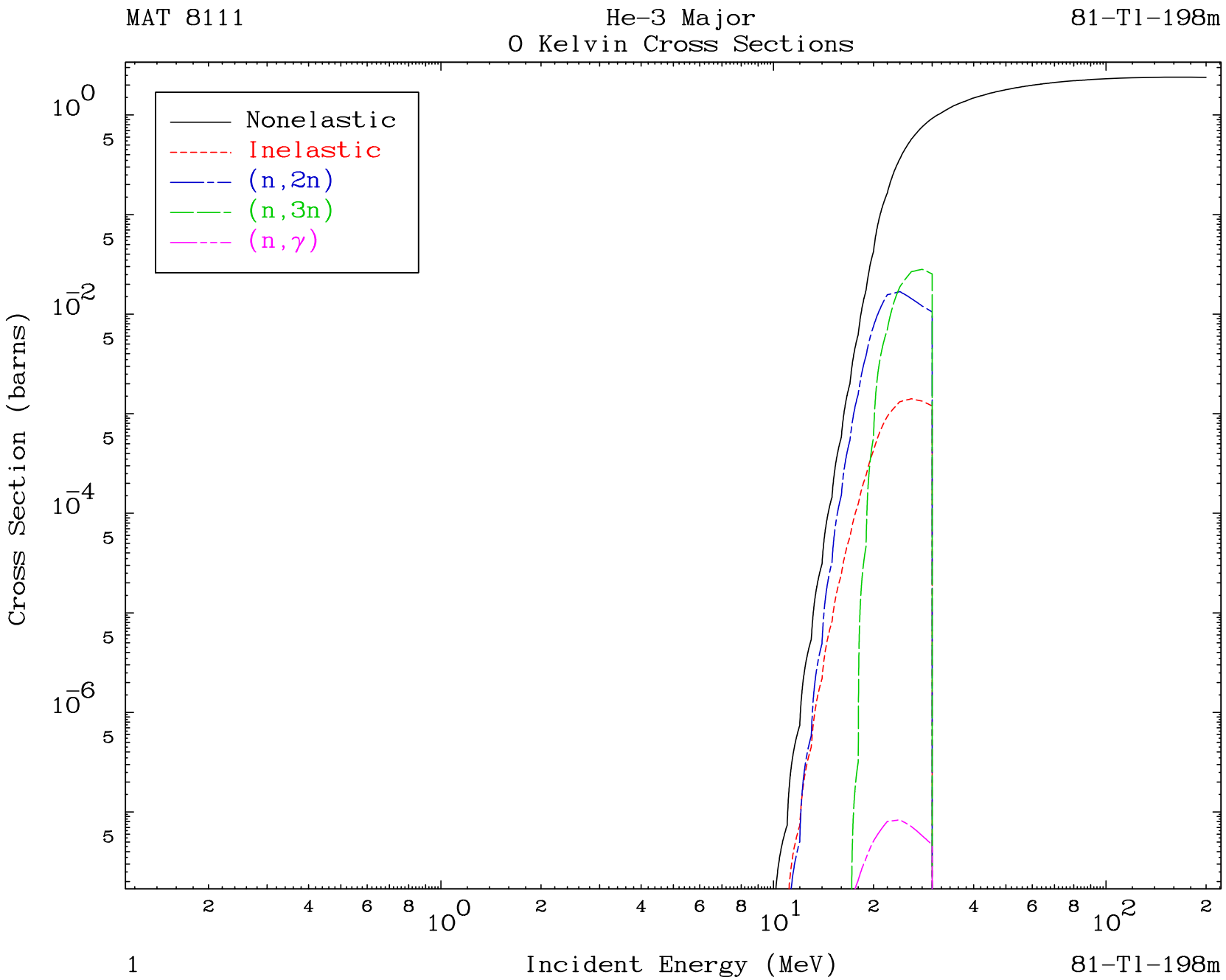
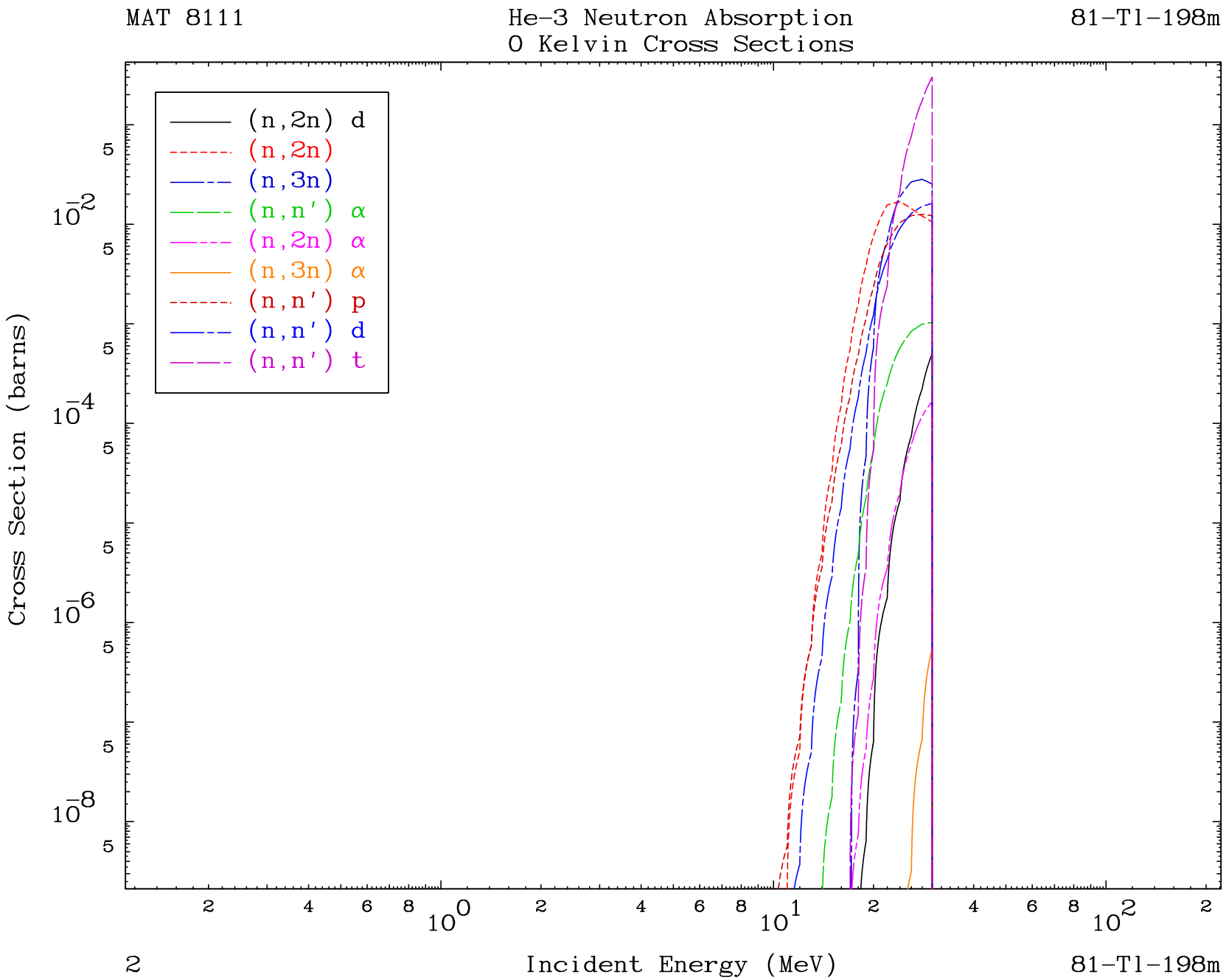
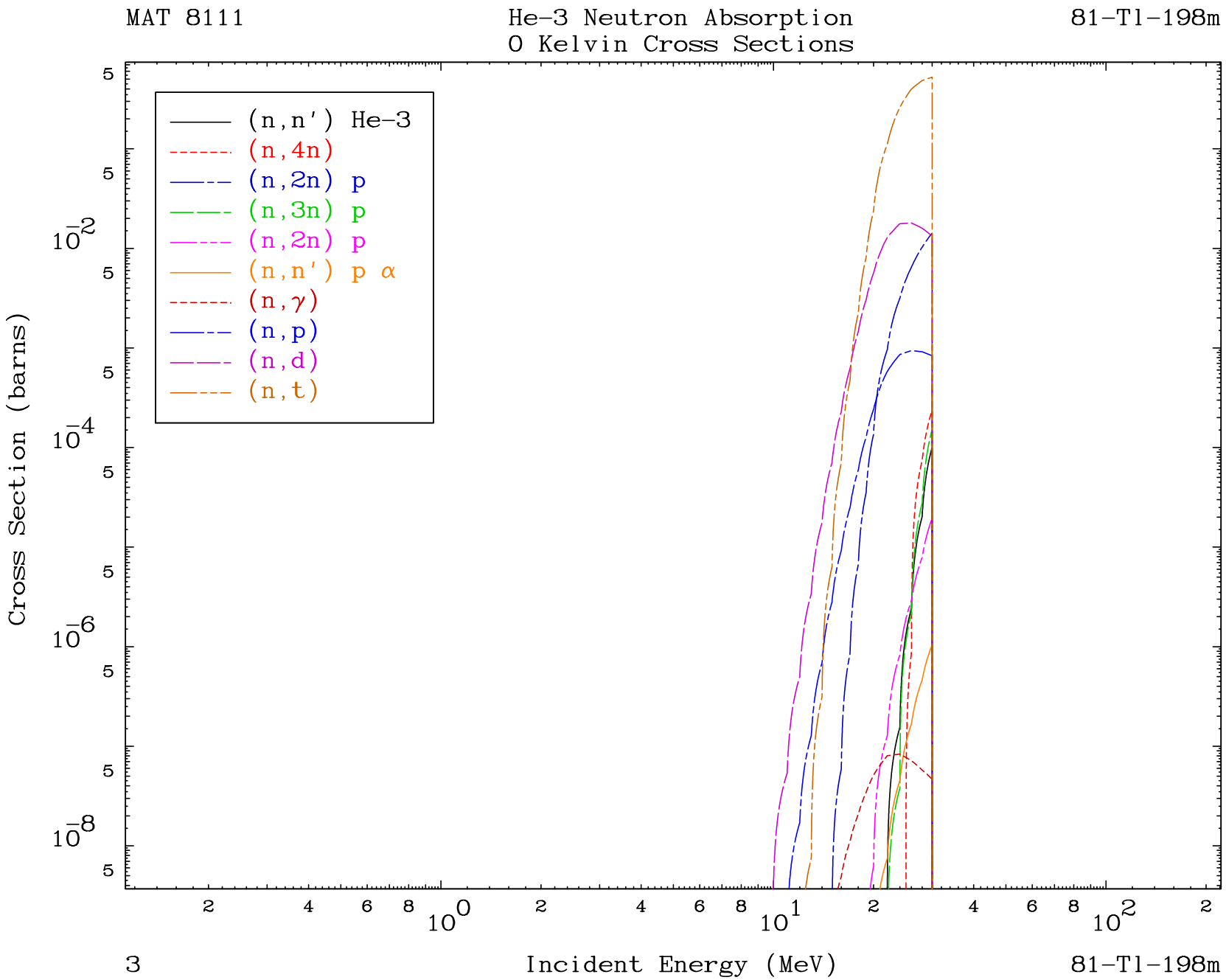
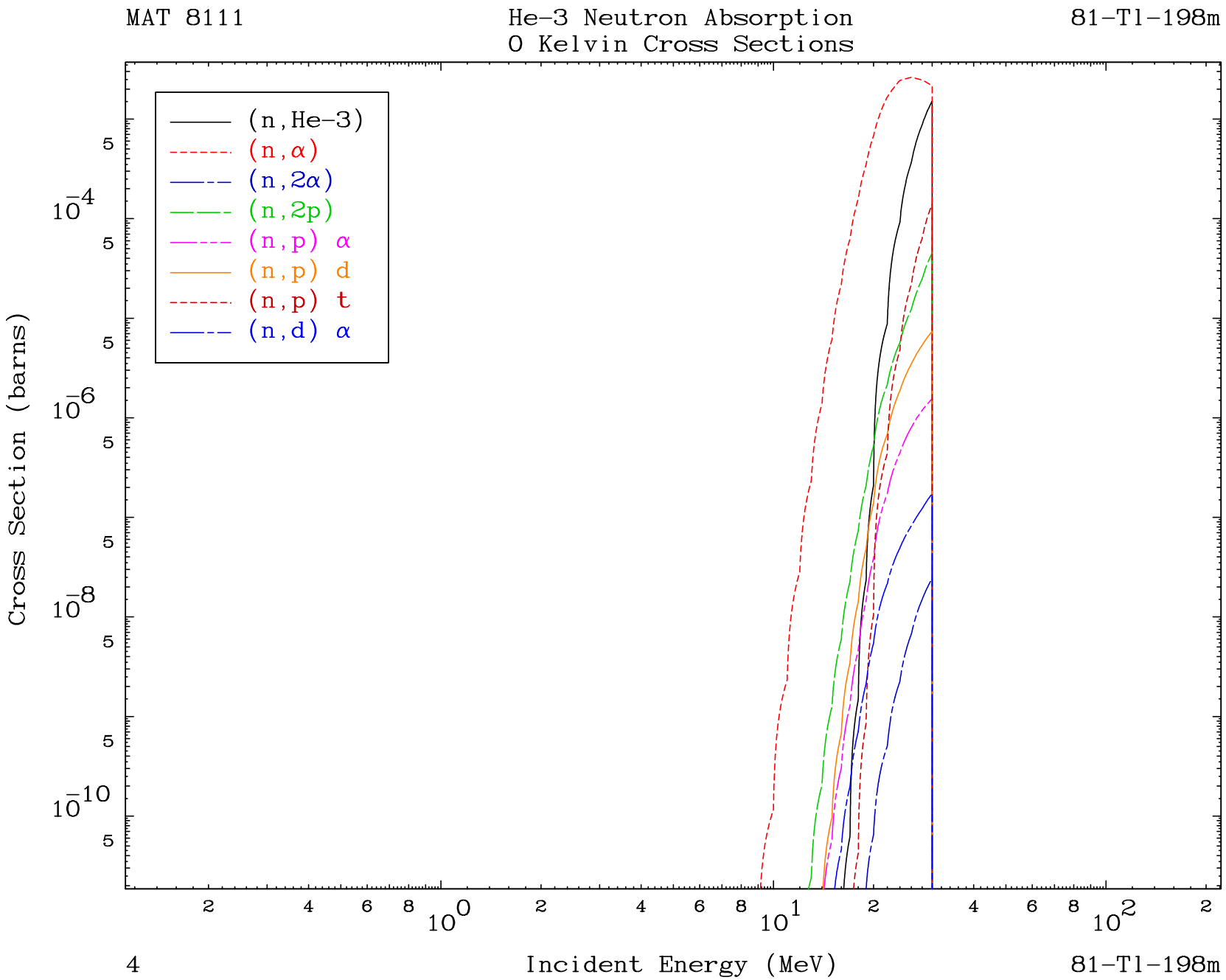
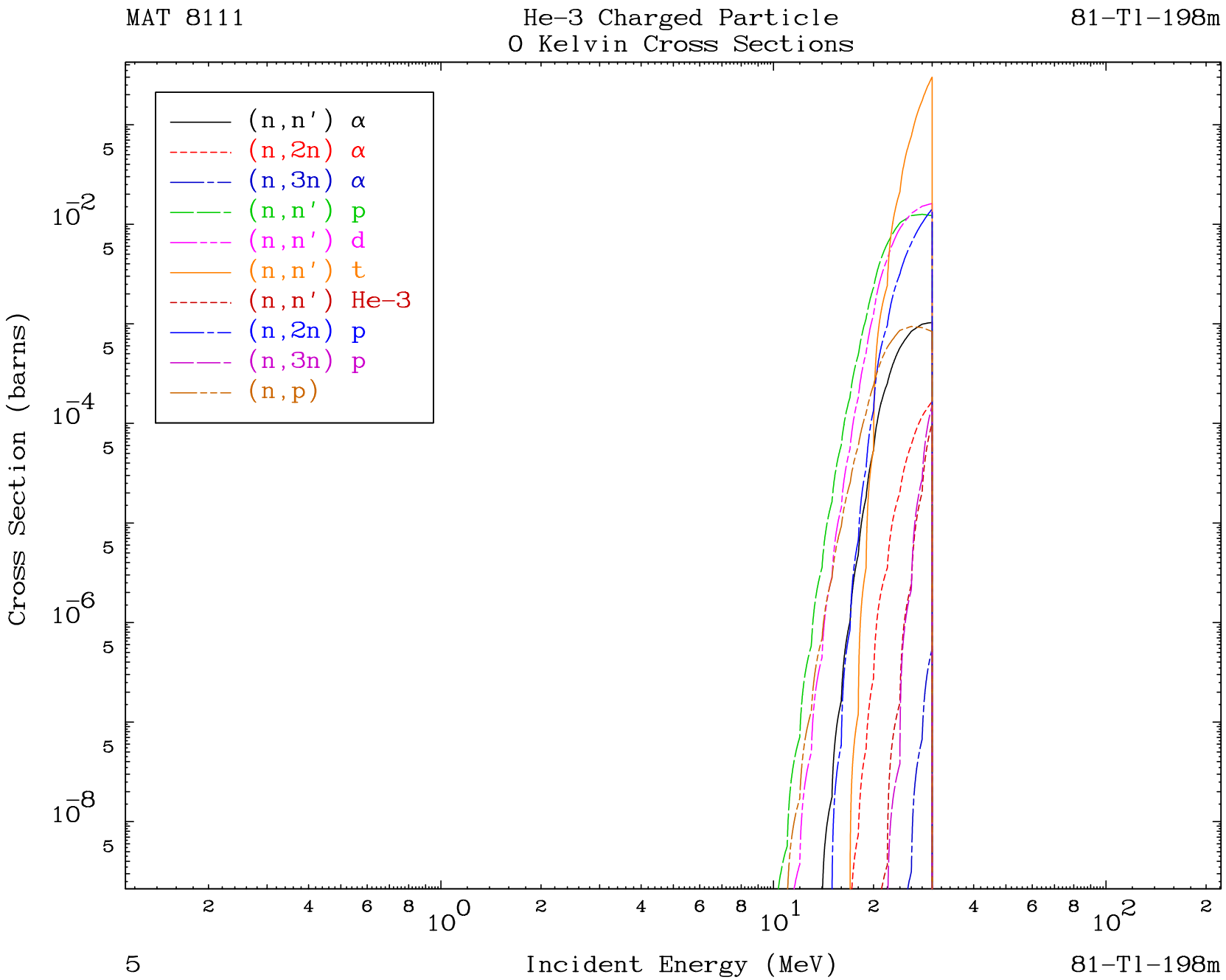
Press Mouse Button to Start

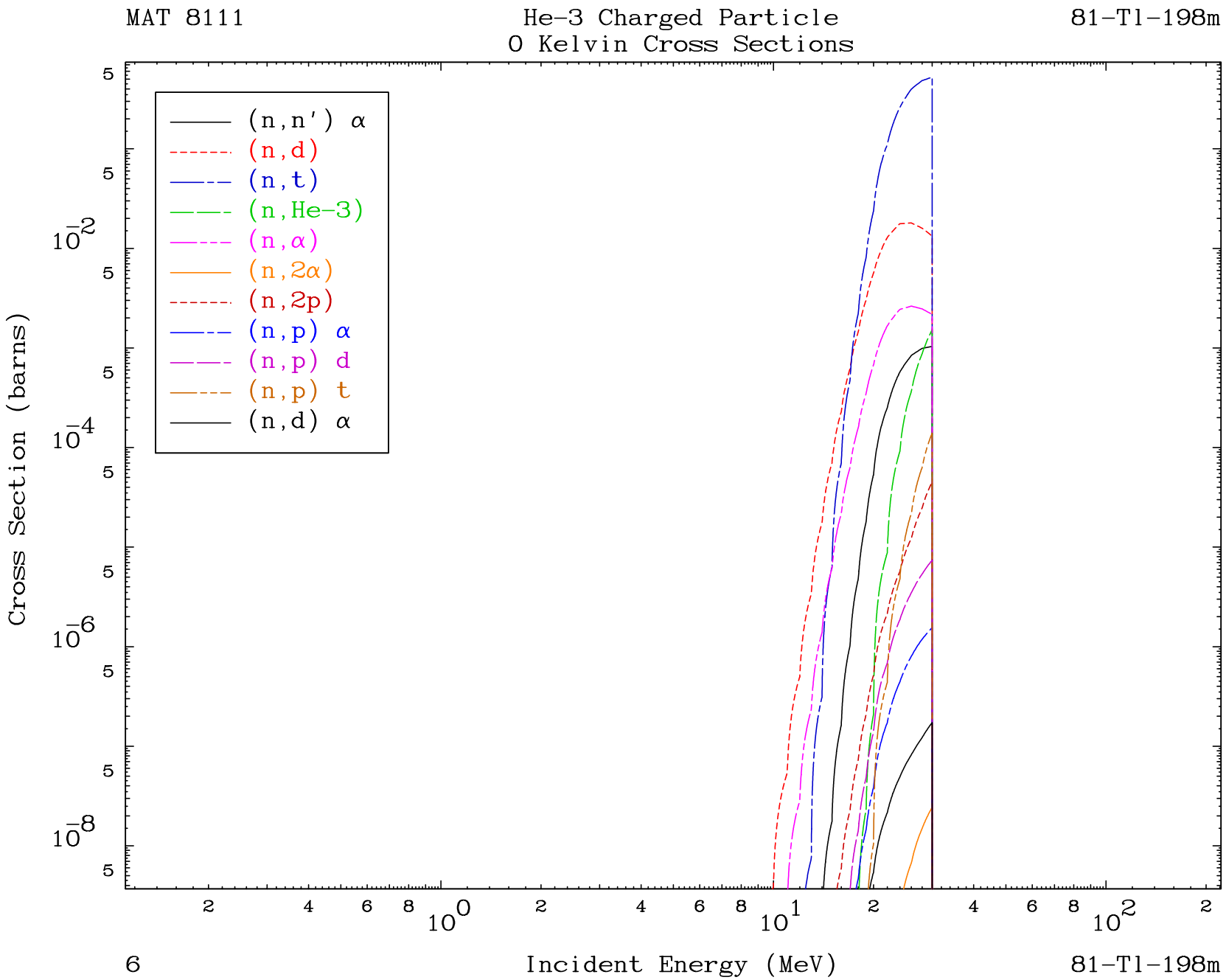

MAT 8111
He-3 Major
81-Tl-198m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^0
10^1
10^2
Incident Energy (MeV)
81-Tl-198m

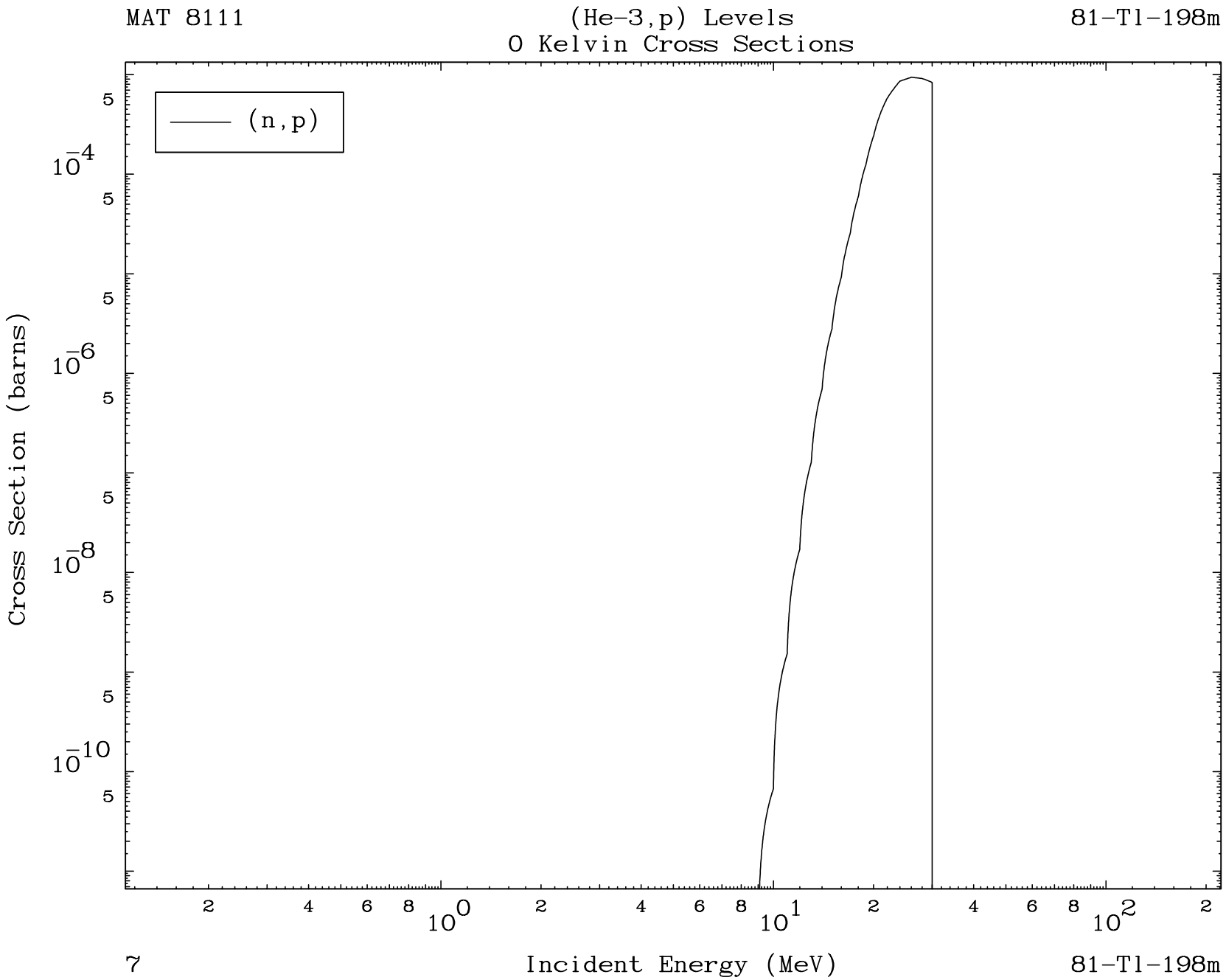

MAT 8111
He-3 Neutron Absorption
0 Kelvin Cross Sections
81-Tl-198m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
81-Tl-198m
2

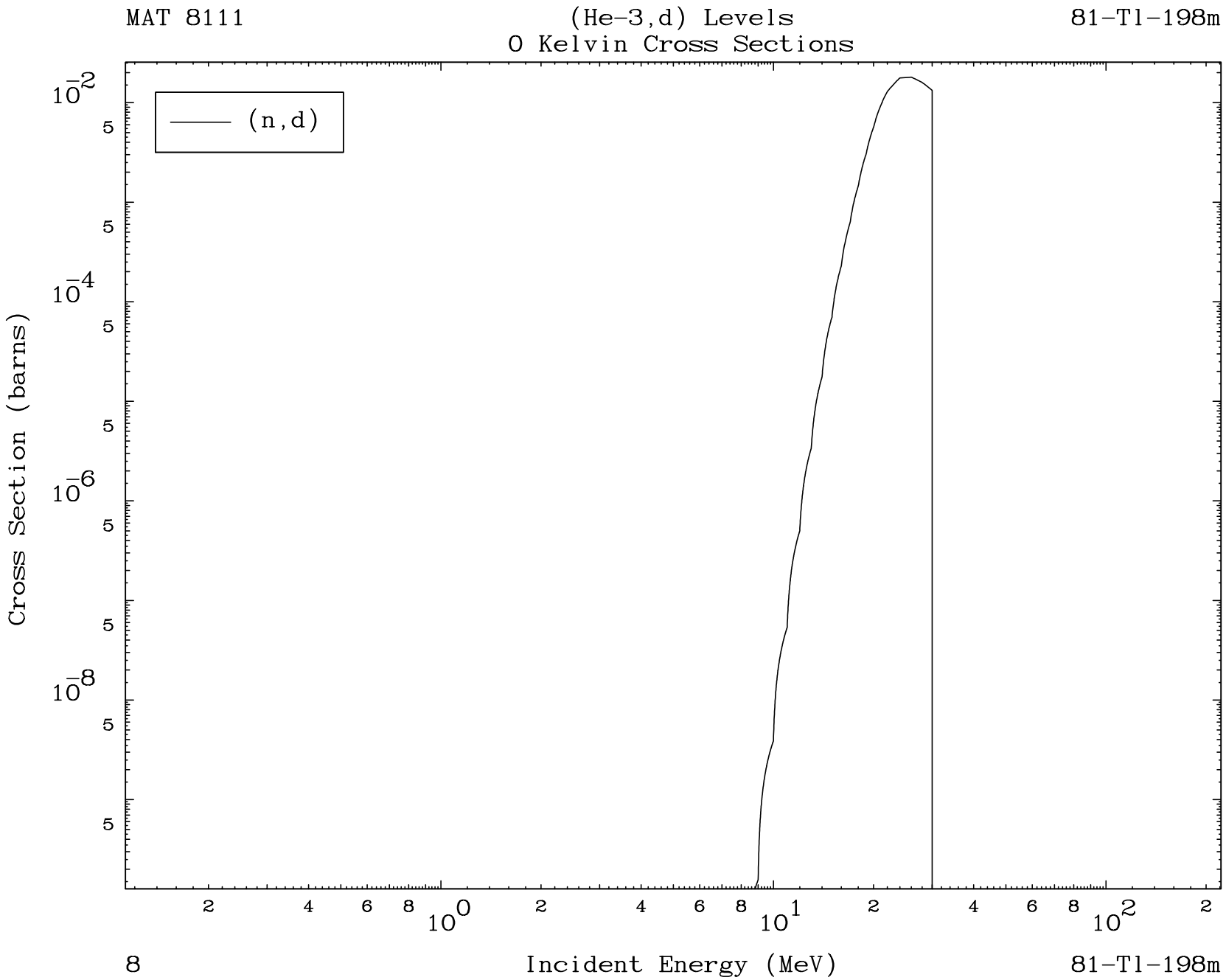

MAT 8111
He-3 Neutron Absorption
0 Kelvin Cross Sections
81-Tl-198m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
81-Tl-198m

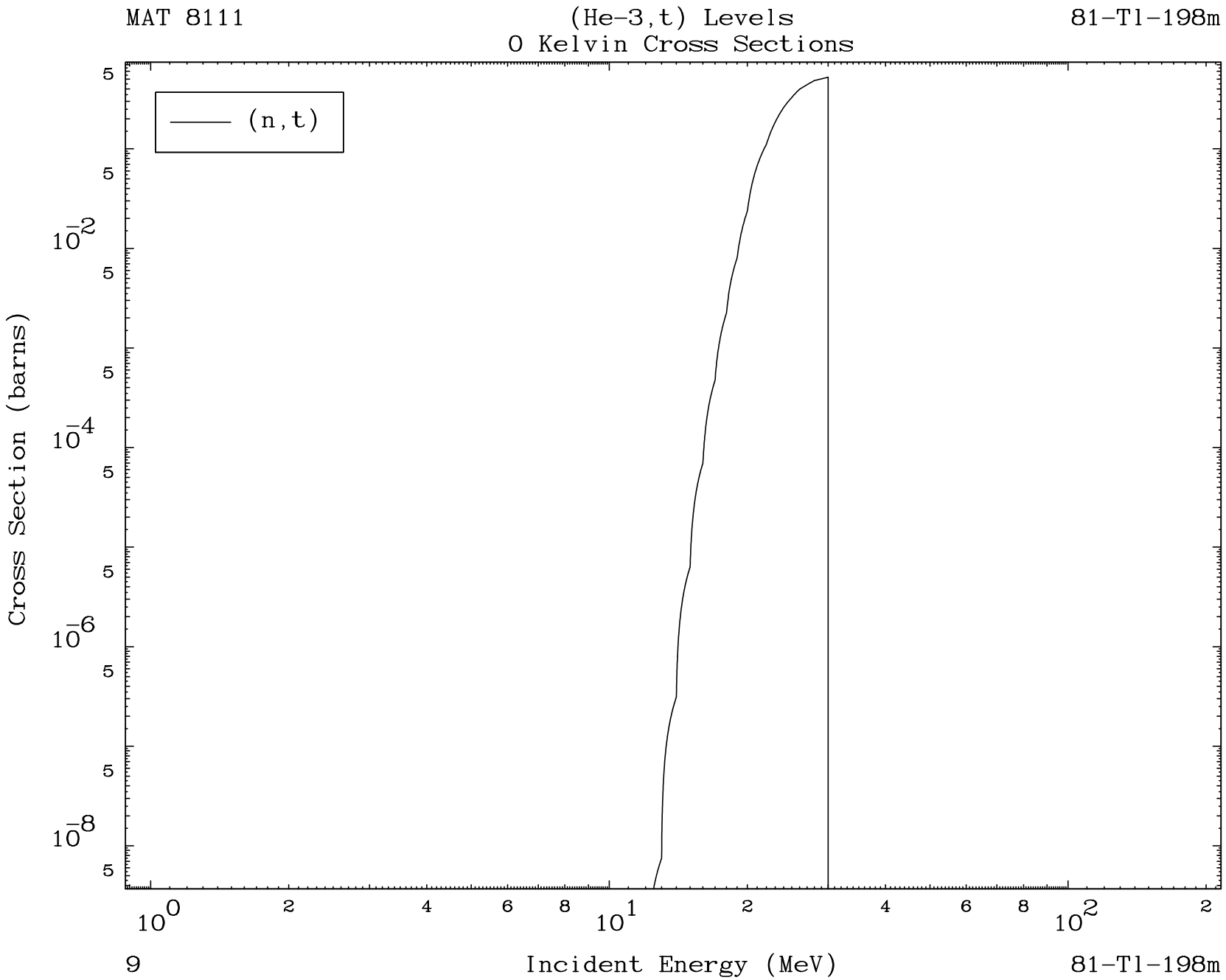

MAT 8111
He-3 Neutron Absorption
0 Kelvin Cross Sections
81-Tl-198m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
4
81-Tl-198m

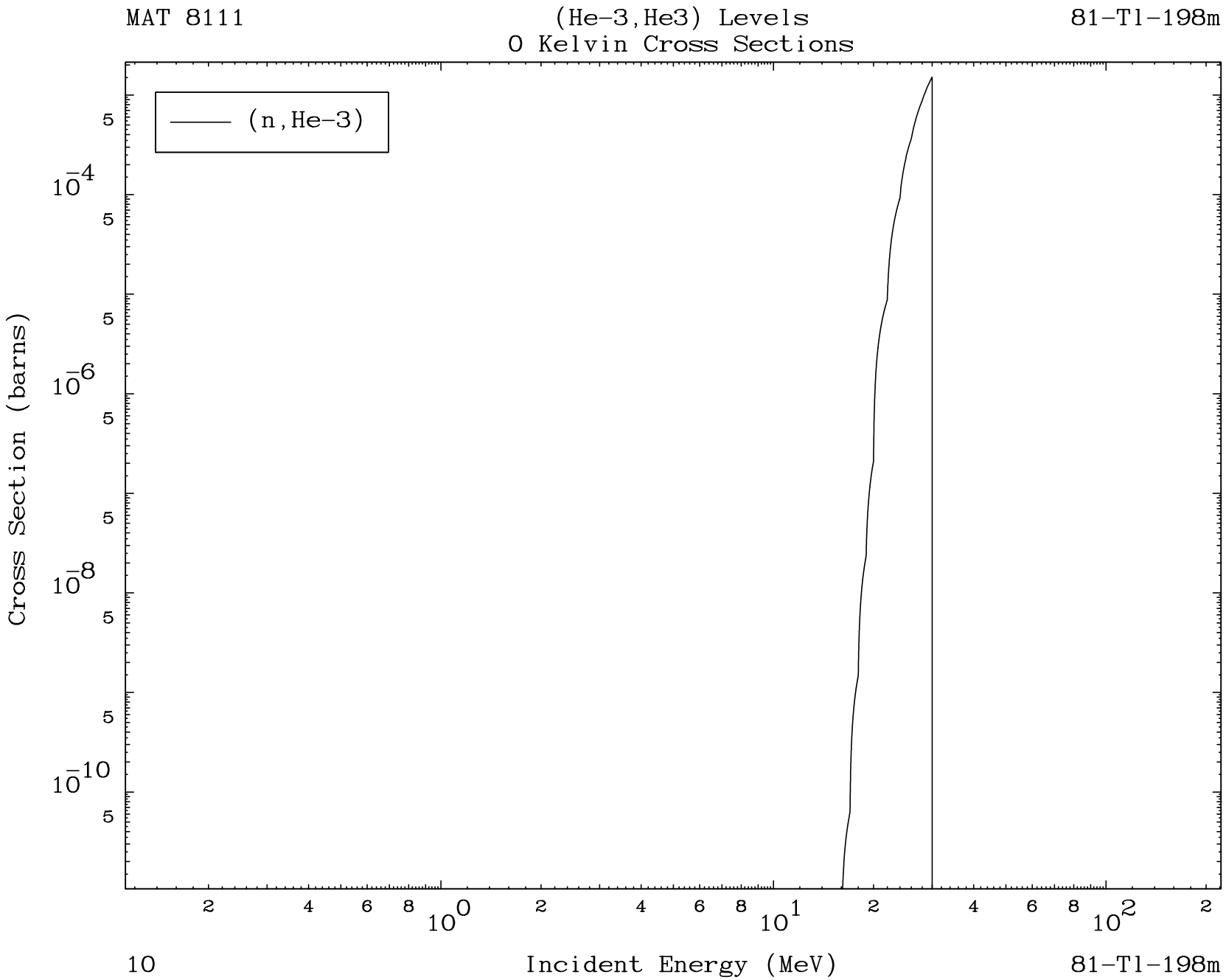

MAT 8111
He-3 Charged Particle
0 Kelvin Cross Sections
81-Tl-198m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-198m

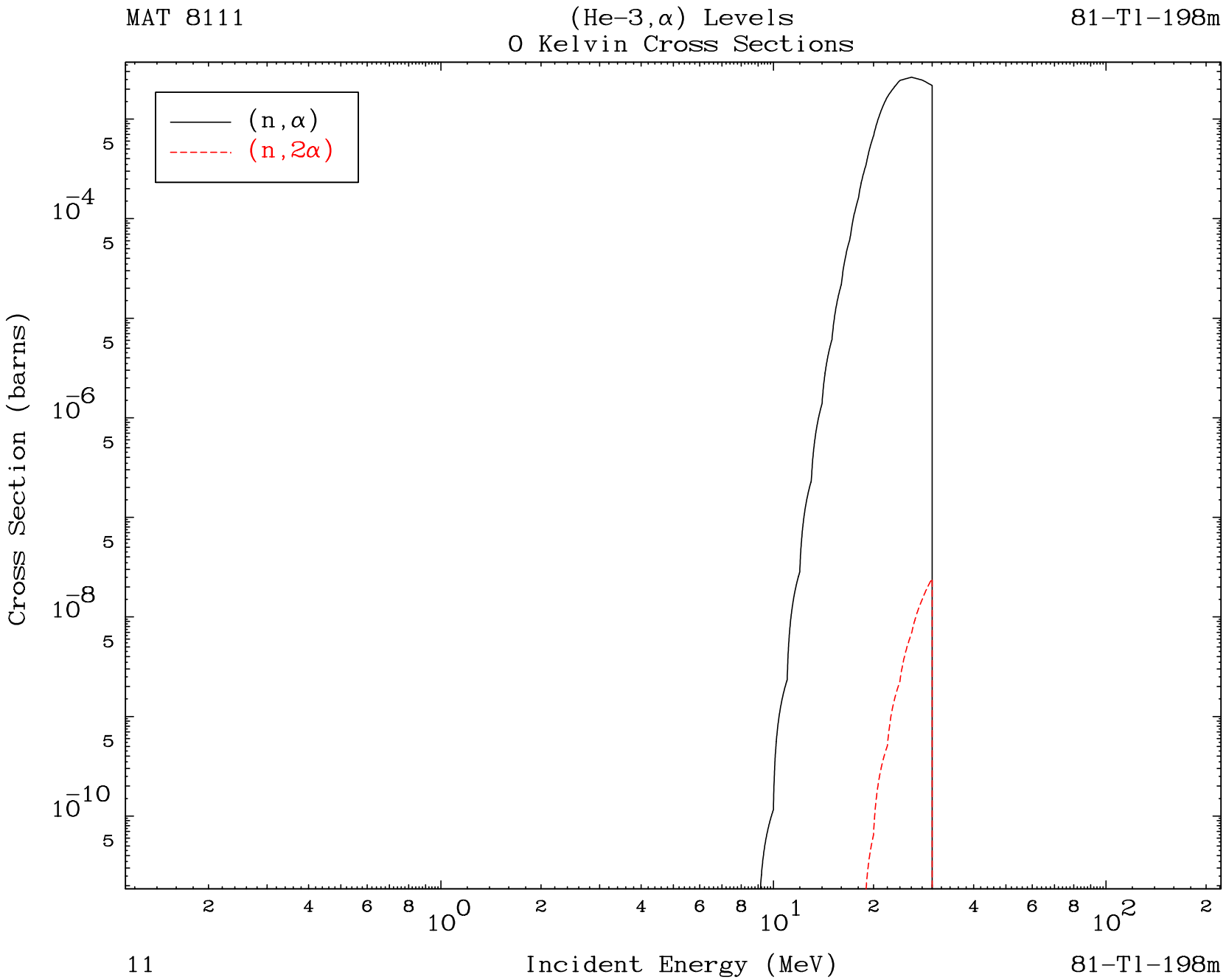

MAT 8111
He-3 Charged Particle
0 Kelvin Cross Sections
81-Tl-198m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
81-Tl-198m

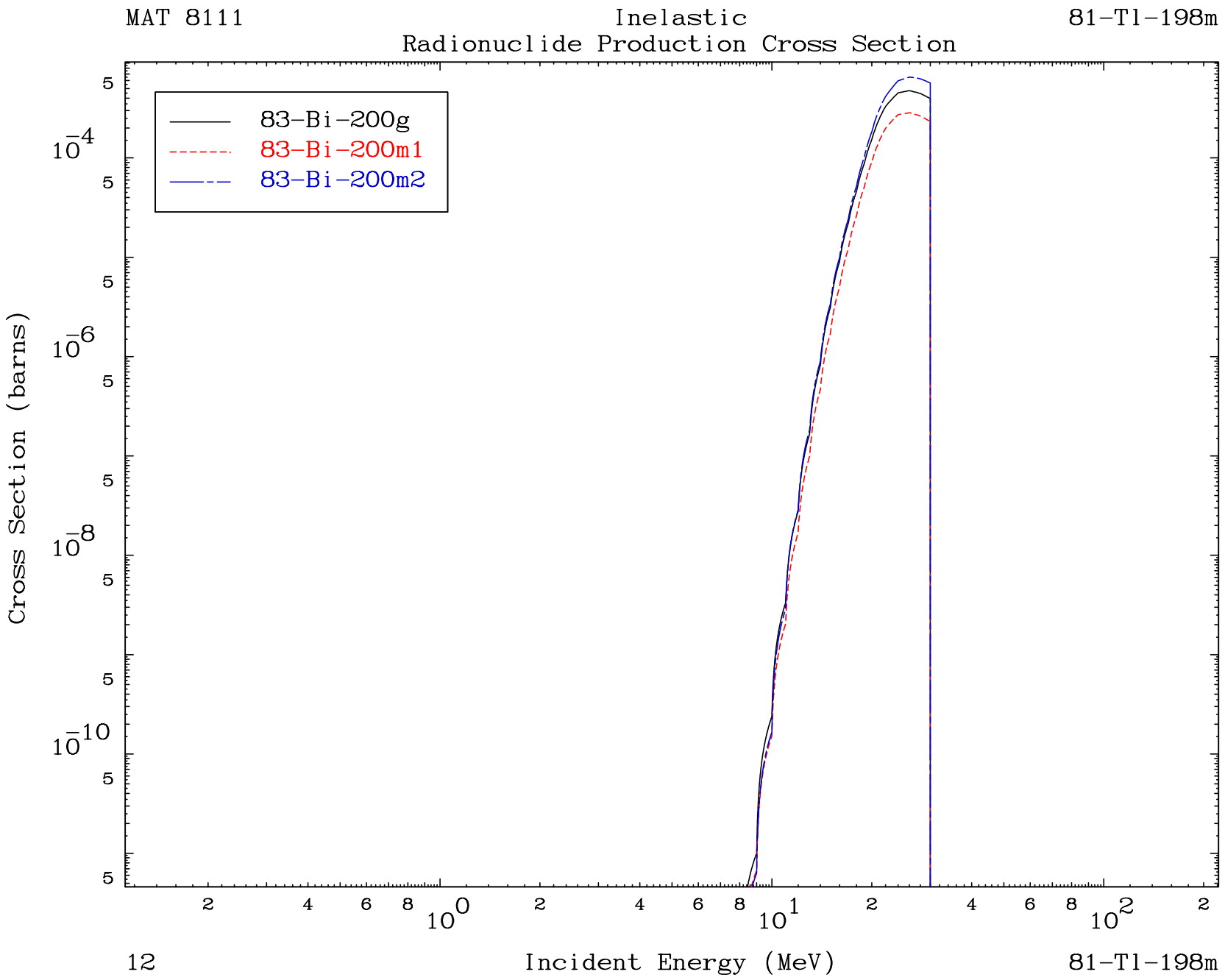

MAT 8111
(He-3,p) Levels
0 Kelvin Cross Sections
81-Tl-198m
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
7
81-Tl-198m

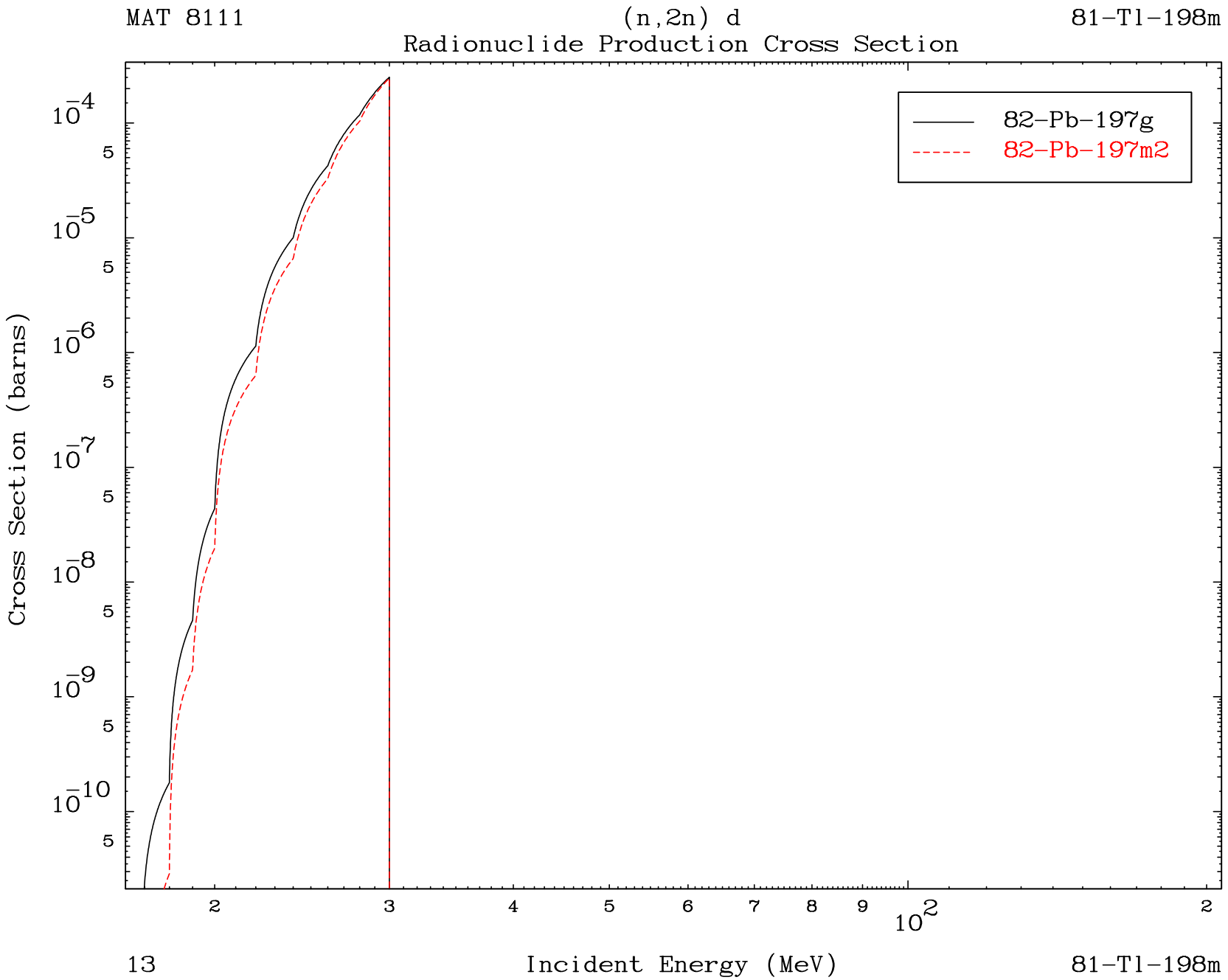

MAT 8111
(He-3,d) Levels
0 Kelvin Cross Sections
81-Tl-198m
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
8
81-Tl-198m

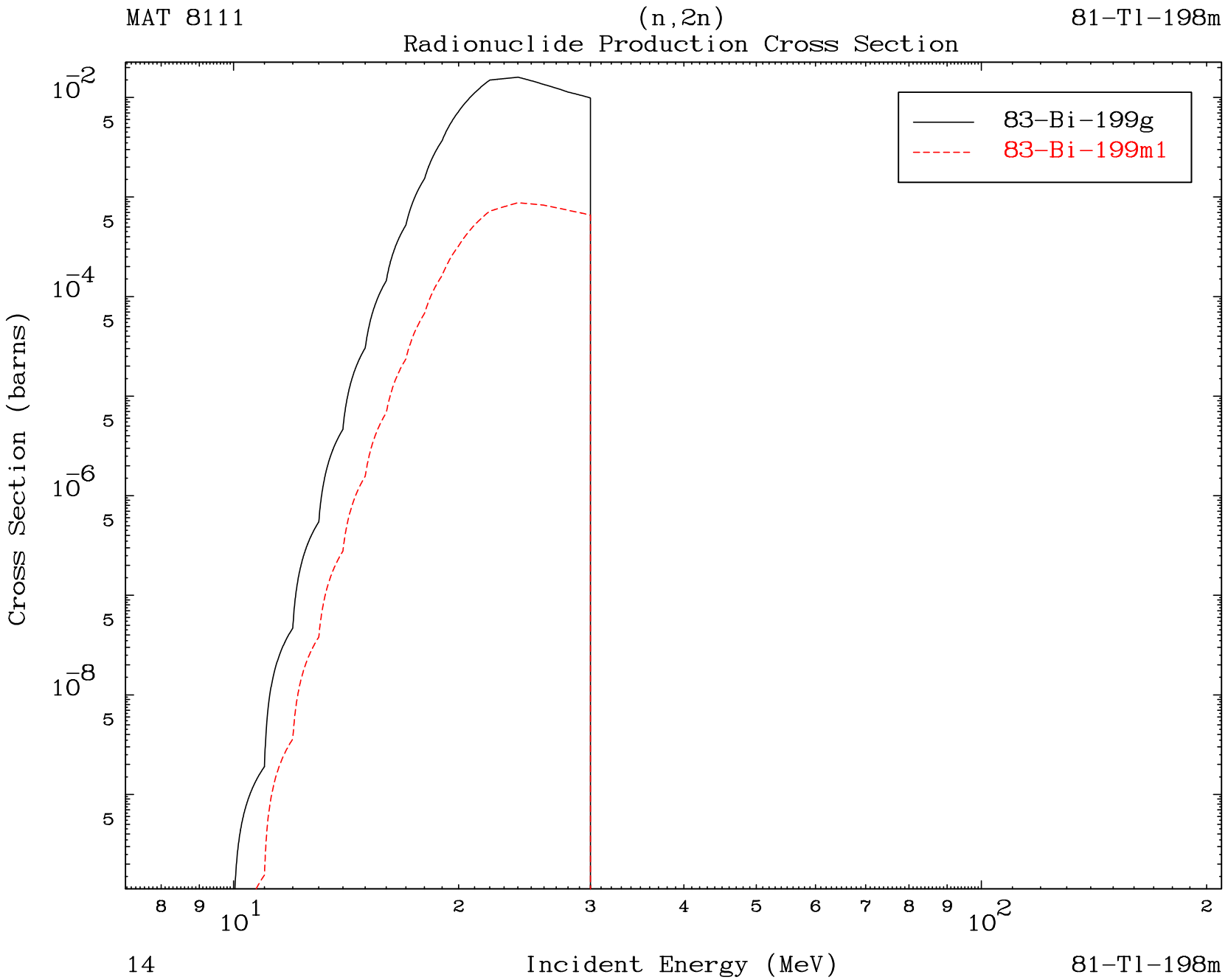

MAT 8111
(He-3,t) Levels
0 Kelvin Cross Sections
81-Tl-198m
(n,t)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-198m
9

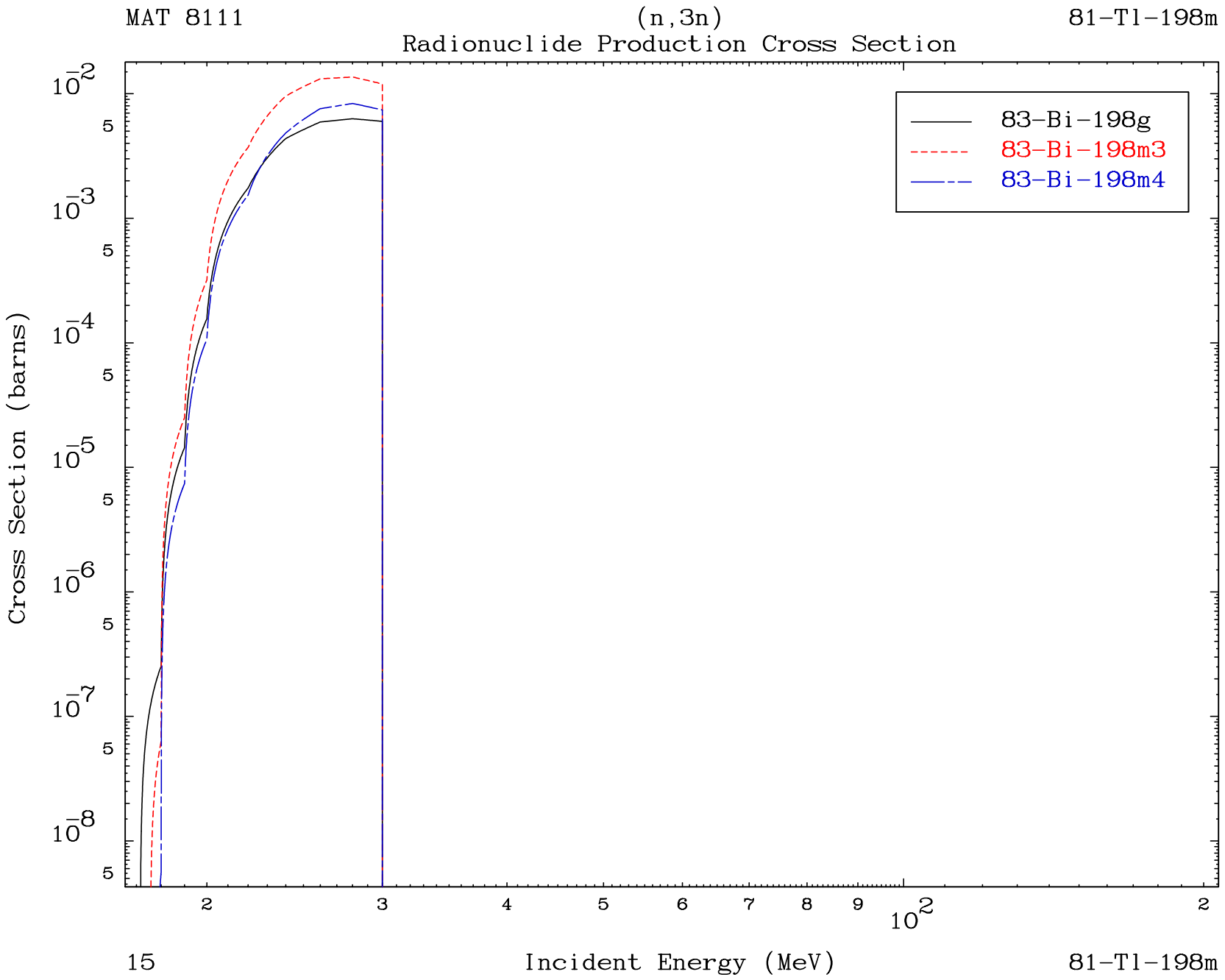

MAT 8111
(He-3,He3) Levels
81-Tl-198m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-198m

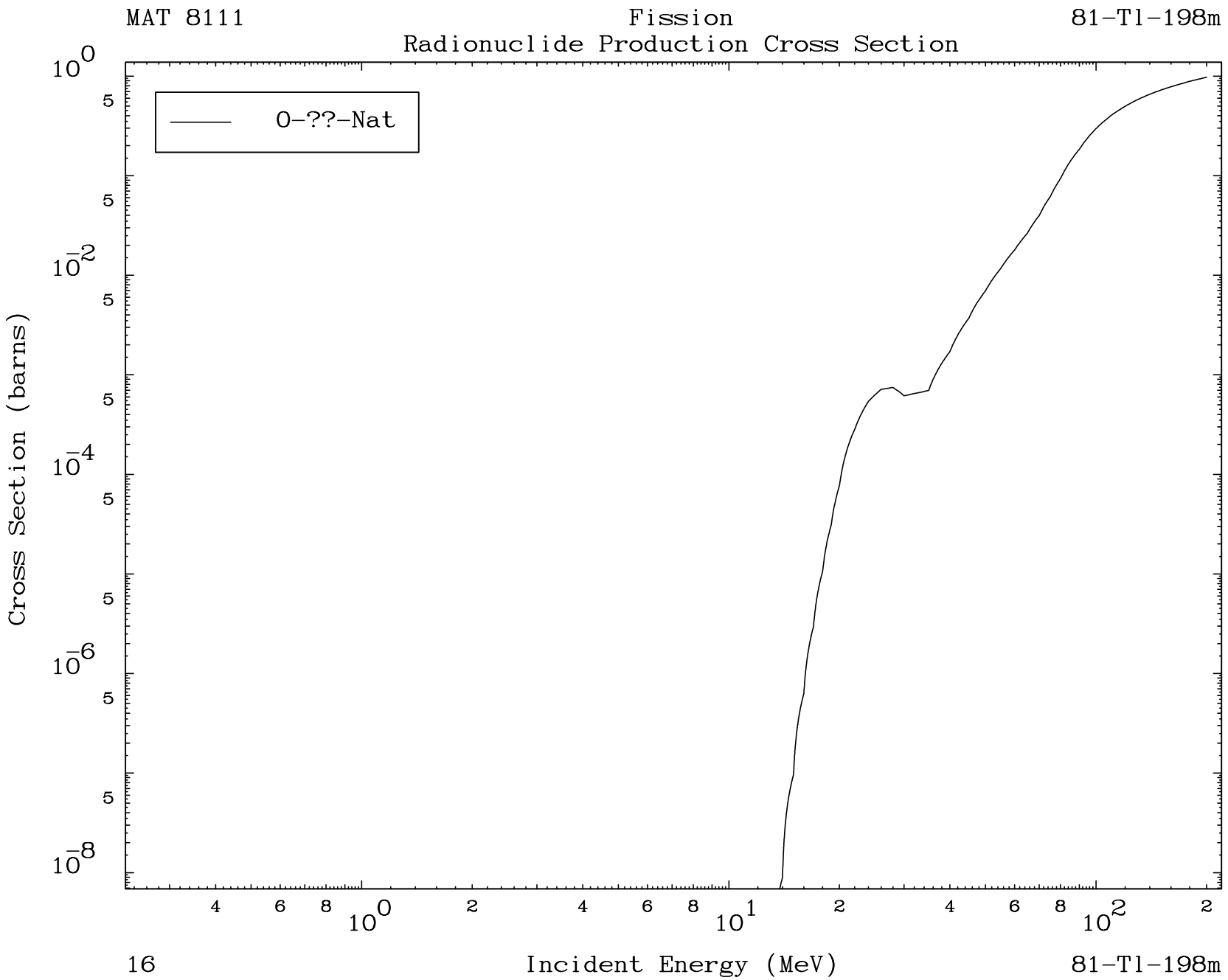

MAT 8111
(He-3,α) Levels
0 Kelvin Cross Sections
81-Tl-198m
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
81-Tl-198m

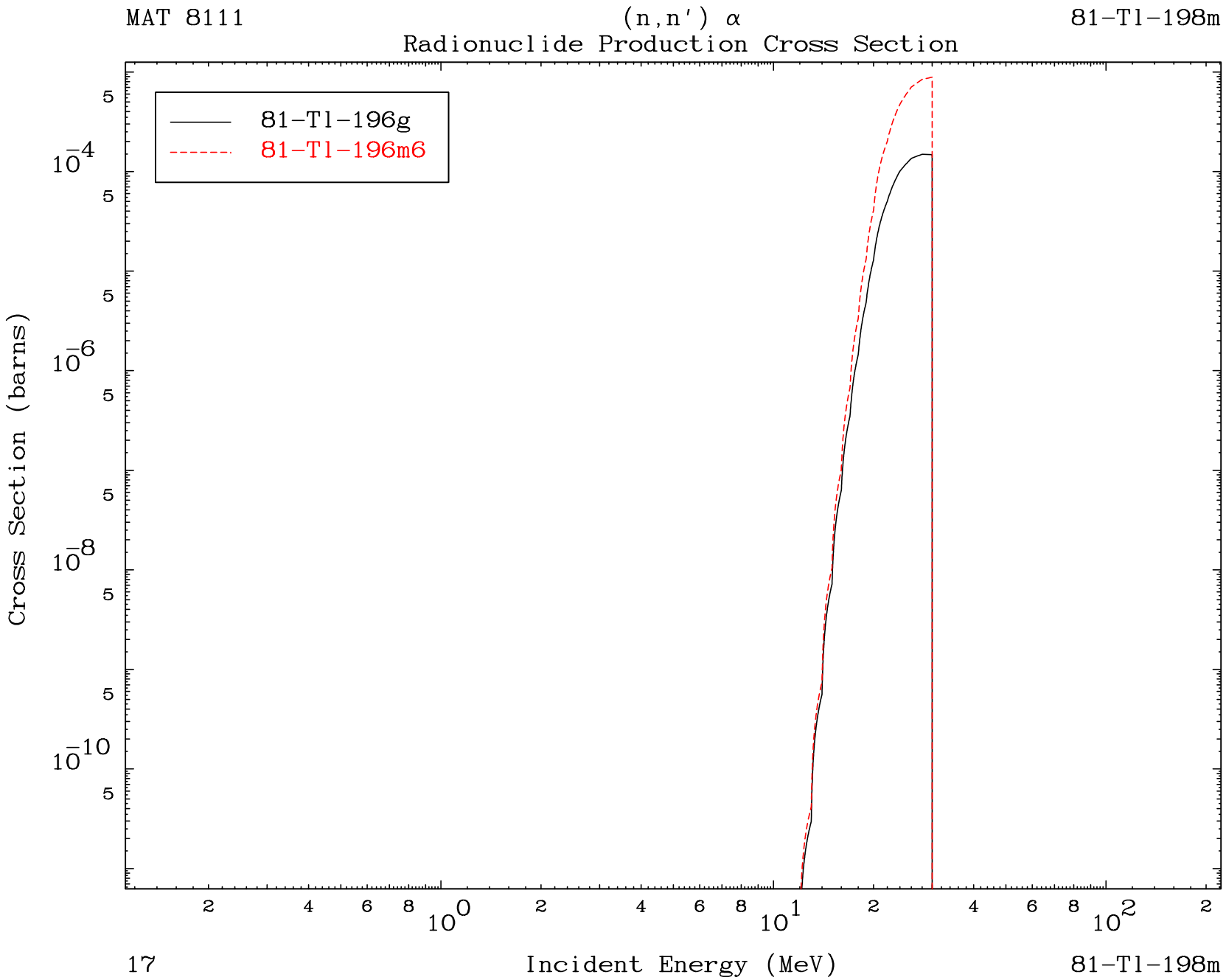

MAT 8111
Inelastic
81-Tl-198m
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-198m

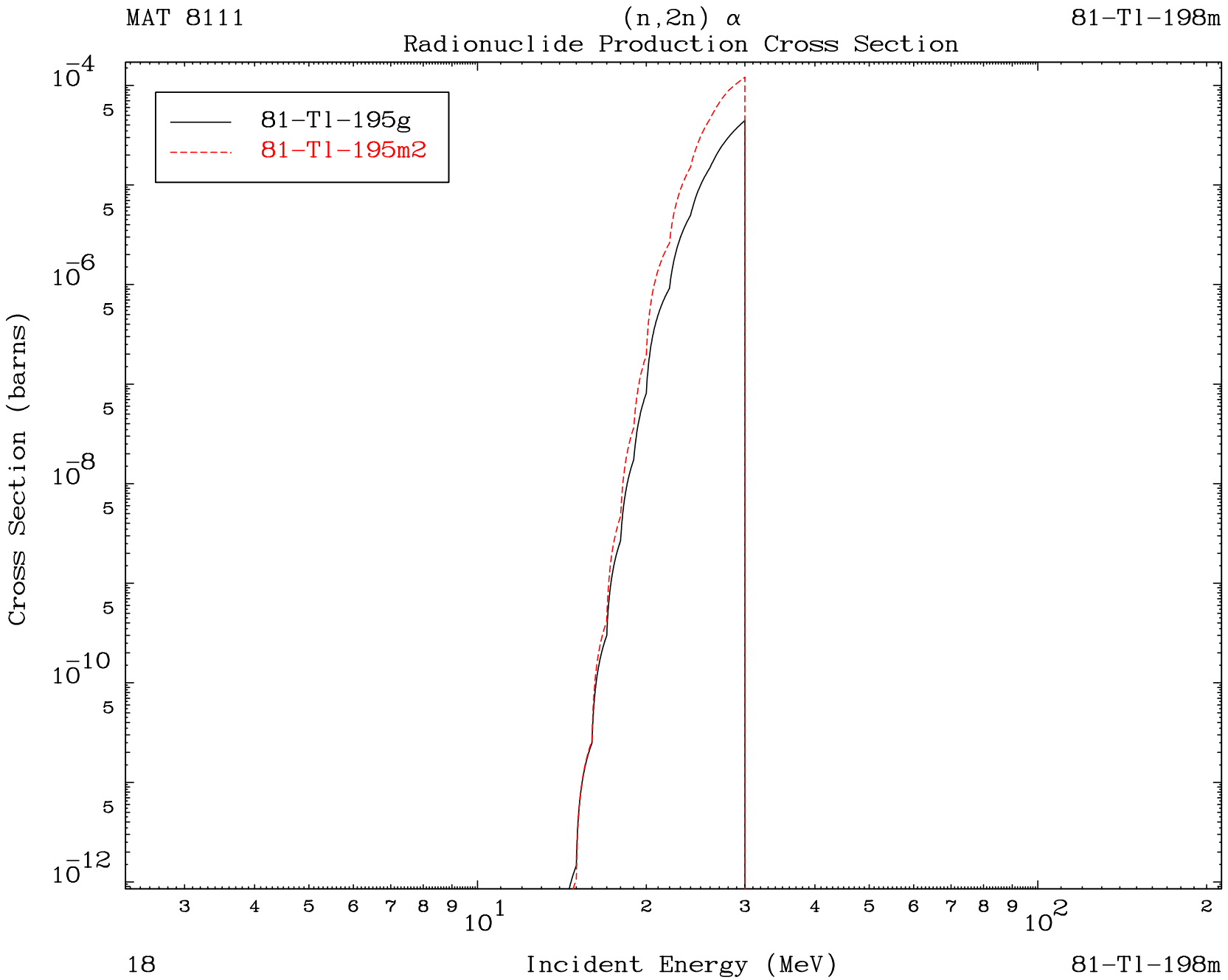

MAT 8111
(n,2n) d
81-Tl-198m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
Incident Energy (MeV)
13
81-Tl-198m

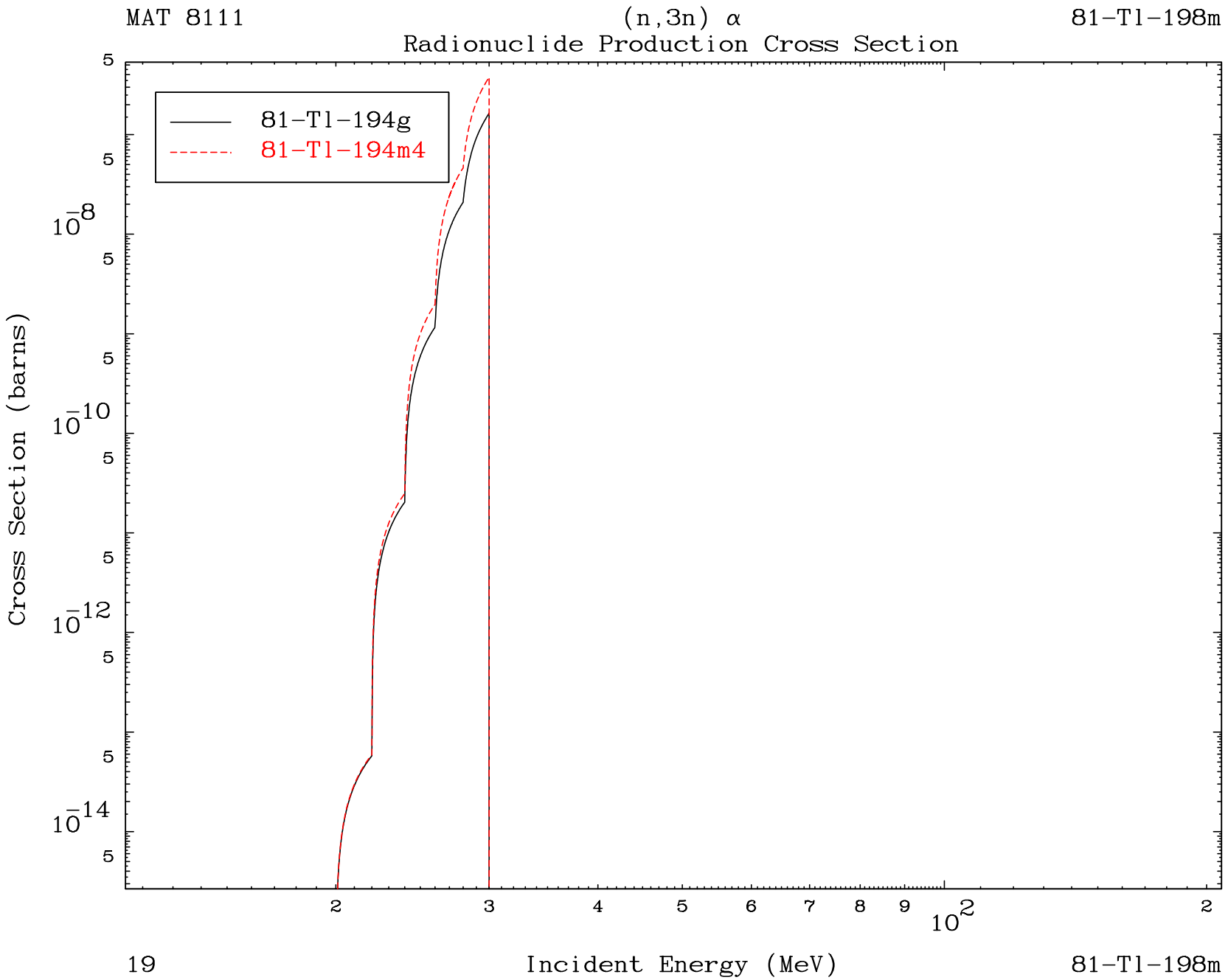

MAT 8111
(n,2n)
81-Tl-198m
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
14
81-Tl-198m

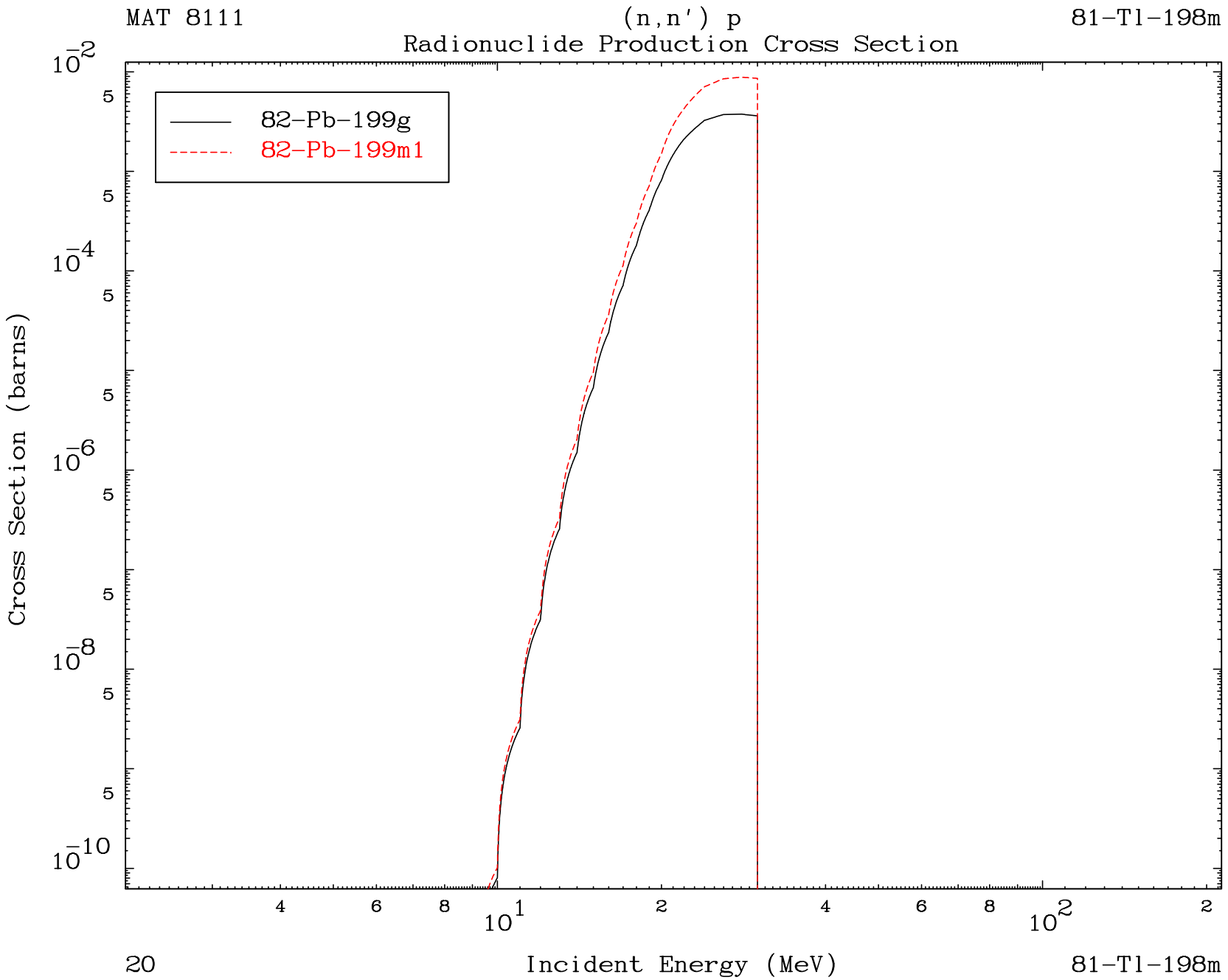

MAT 8111
(n,3n)
81-Tl-198m
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
Incident Energy (MeV)
15
81-Tl-198m

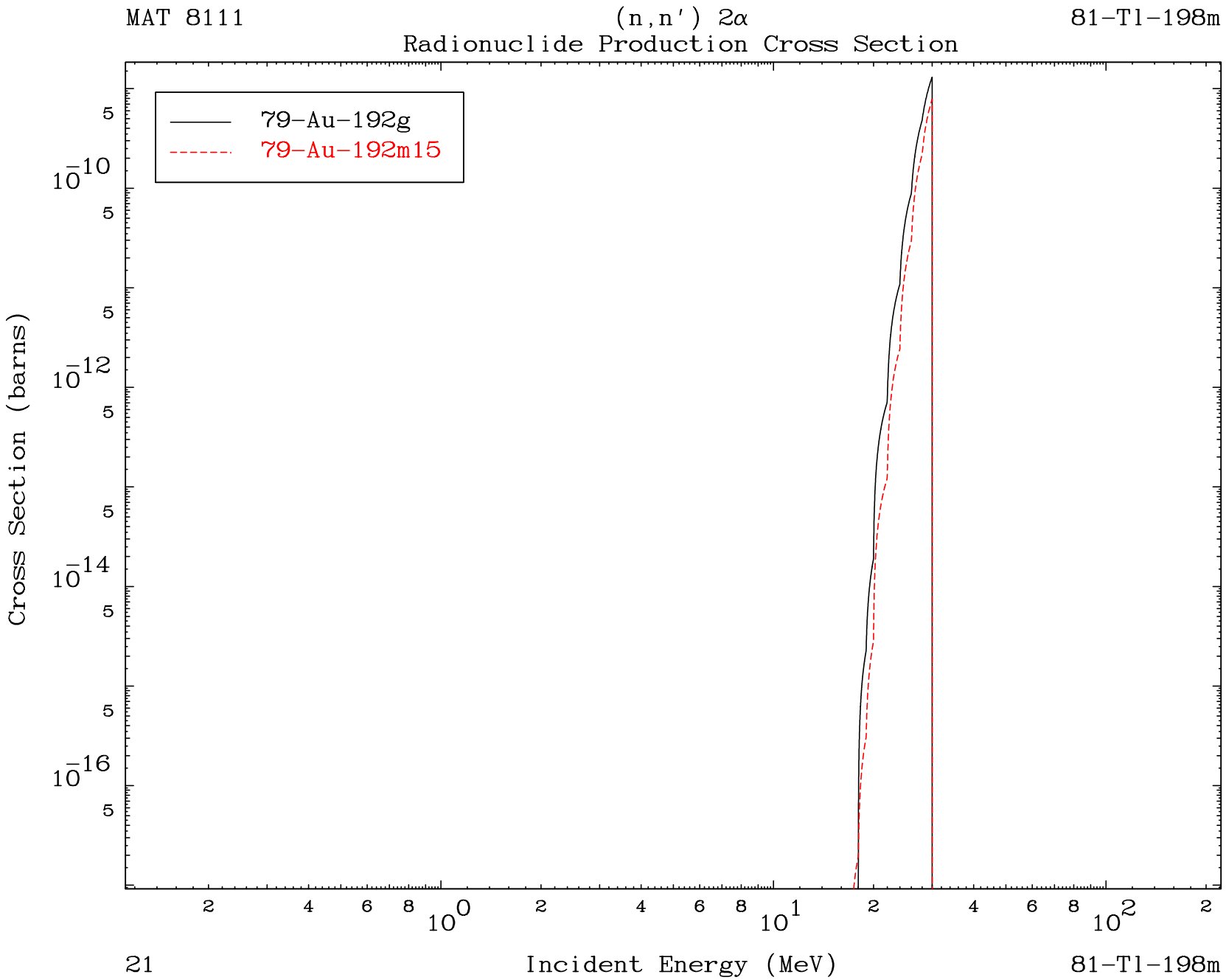

MAT 8111
Fission
81-Tl-198m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
81-Tl-198m

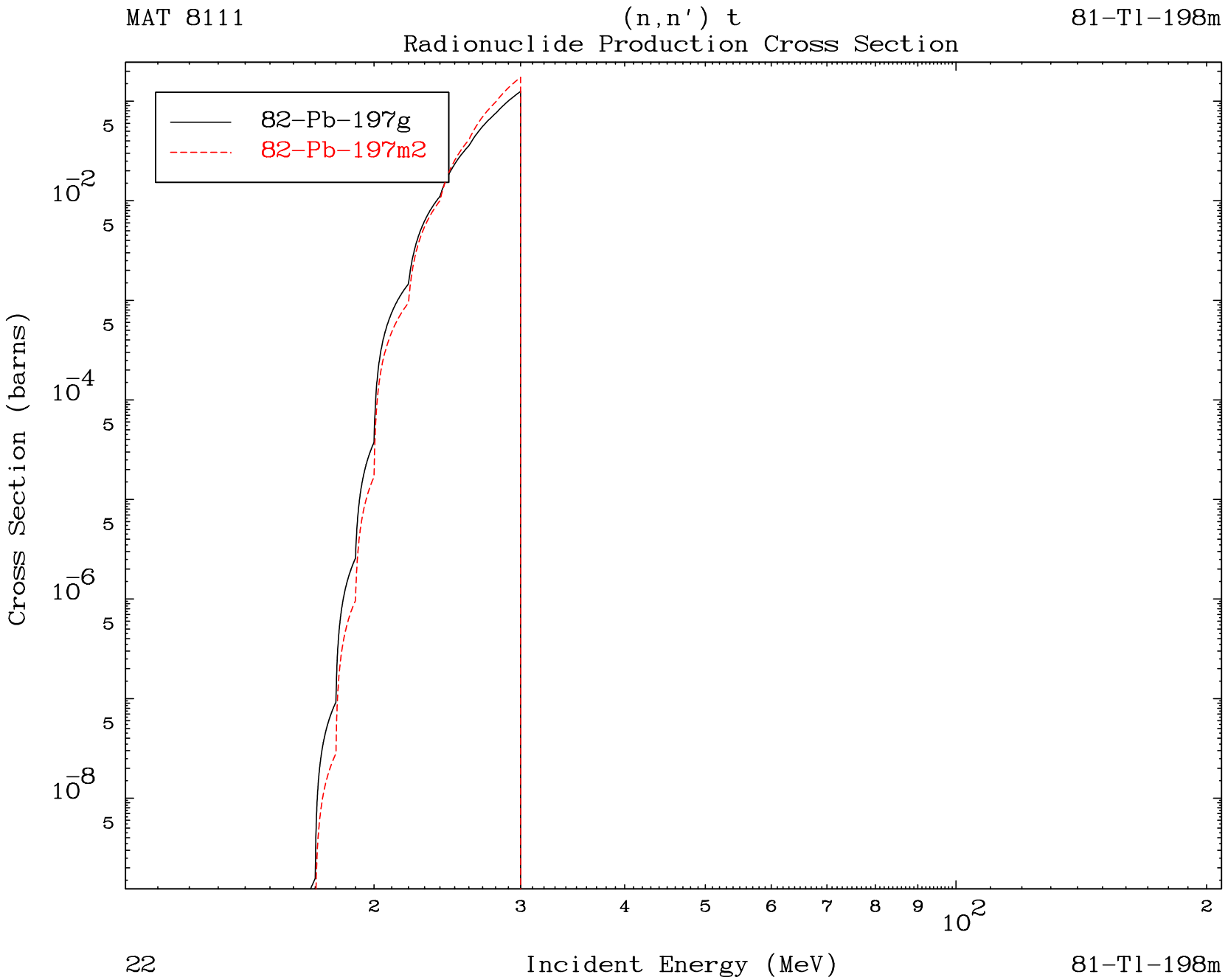

MAT 8111
(n,n') α
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
17
81-Tl-198m

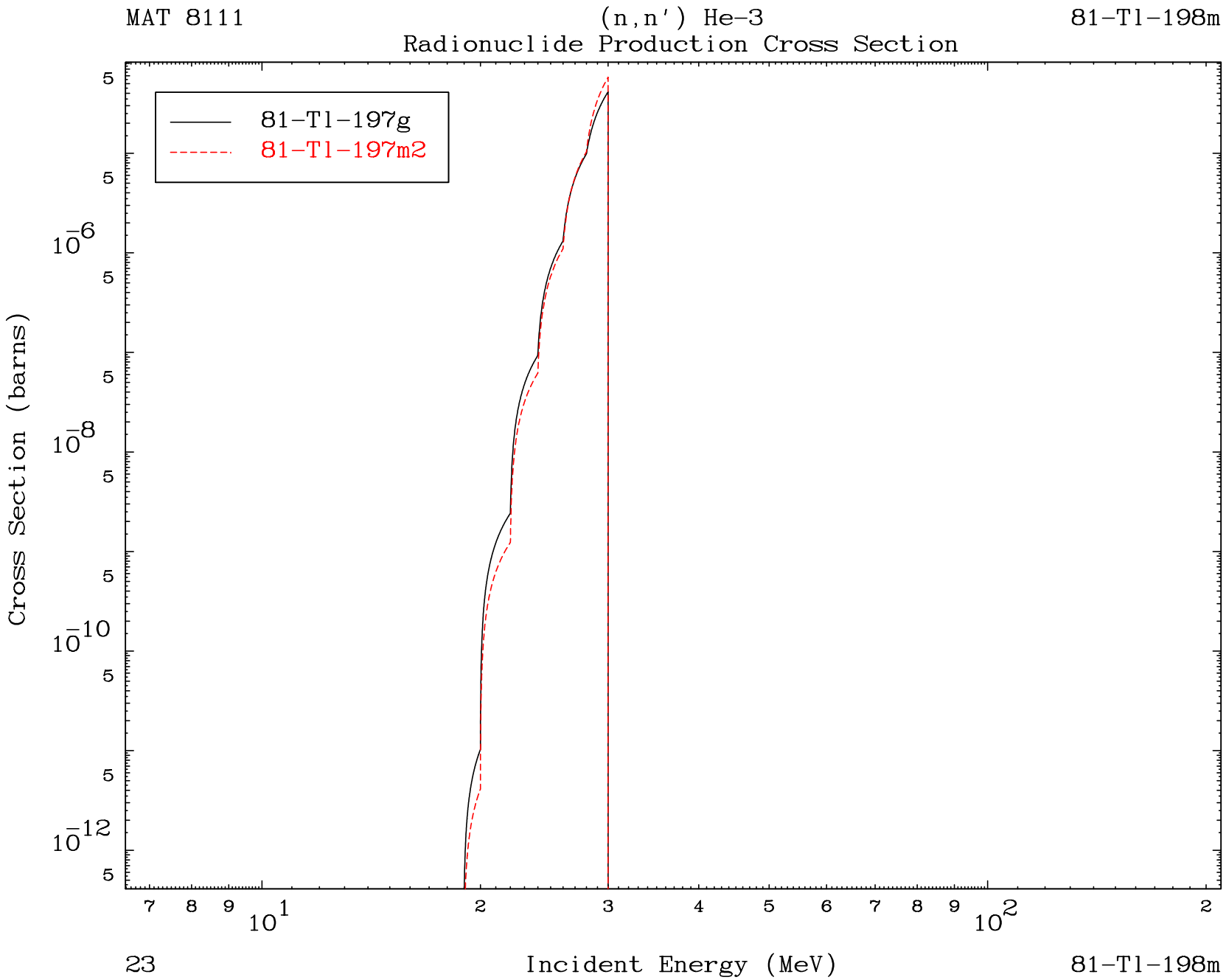

MAT 8111
(n,2n) α
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
Incident Energy (MeV)
18
81-Tl-198m

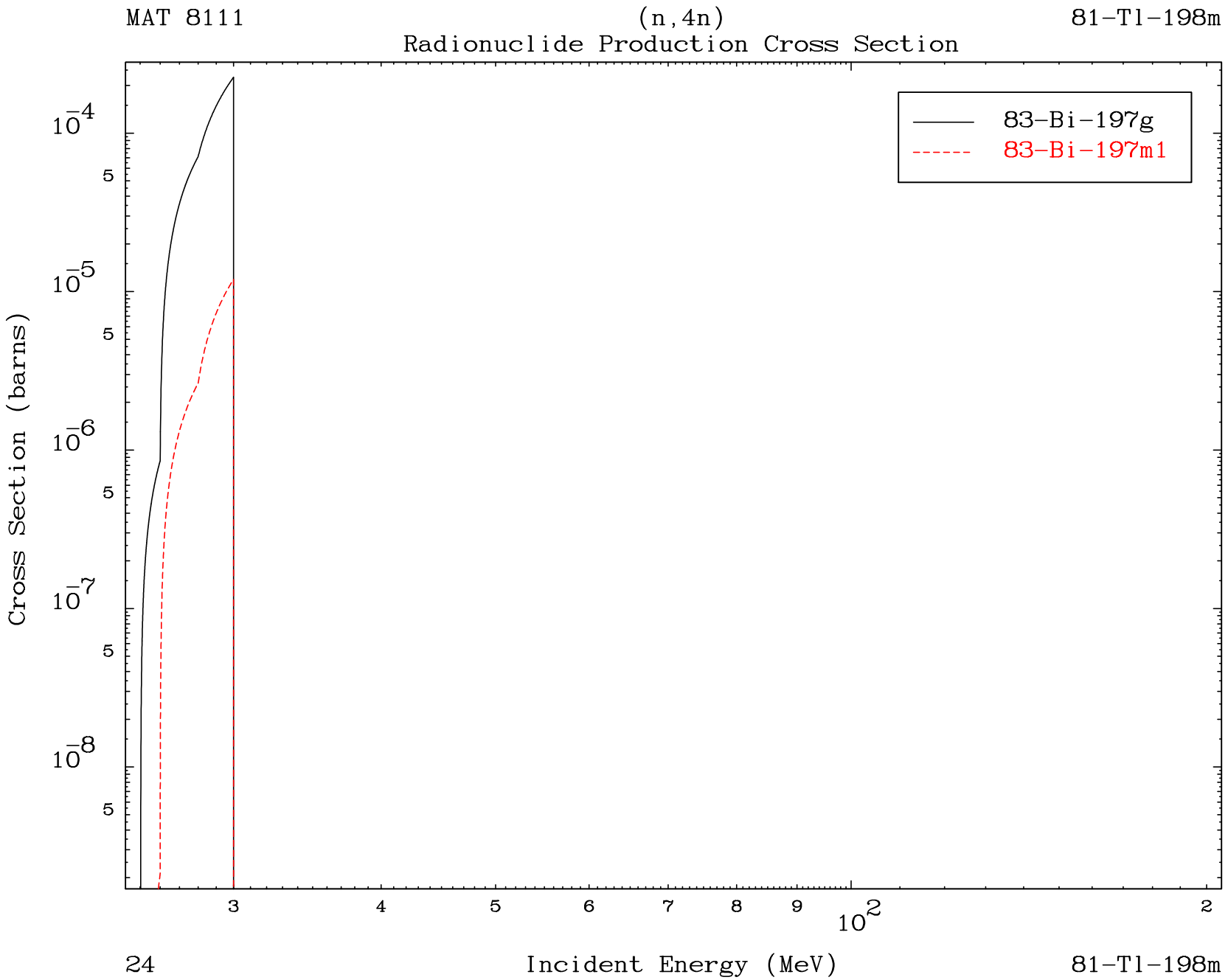

MAT 8111
(n,3n) α
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
81-Tl-198m


MAT 8111
(n,n') p
81-Tl-198m
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
20
81-Tl-198m


MAT 8111
(n,n') 2α
81-Tl-198m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
Incident Energy (MeV)
21
81-Tl-198m


MAT 8111
(n,n') t
81-Tl-198m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
81-Tl-198m


MAT 8111
(n,n') He-3
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
23
81-Tl-198m


MAT 8111
(n,4n)
81-Tl-198m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
5
3
4
5
6
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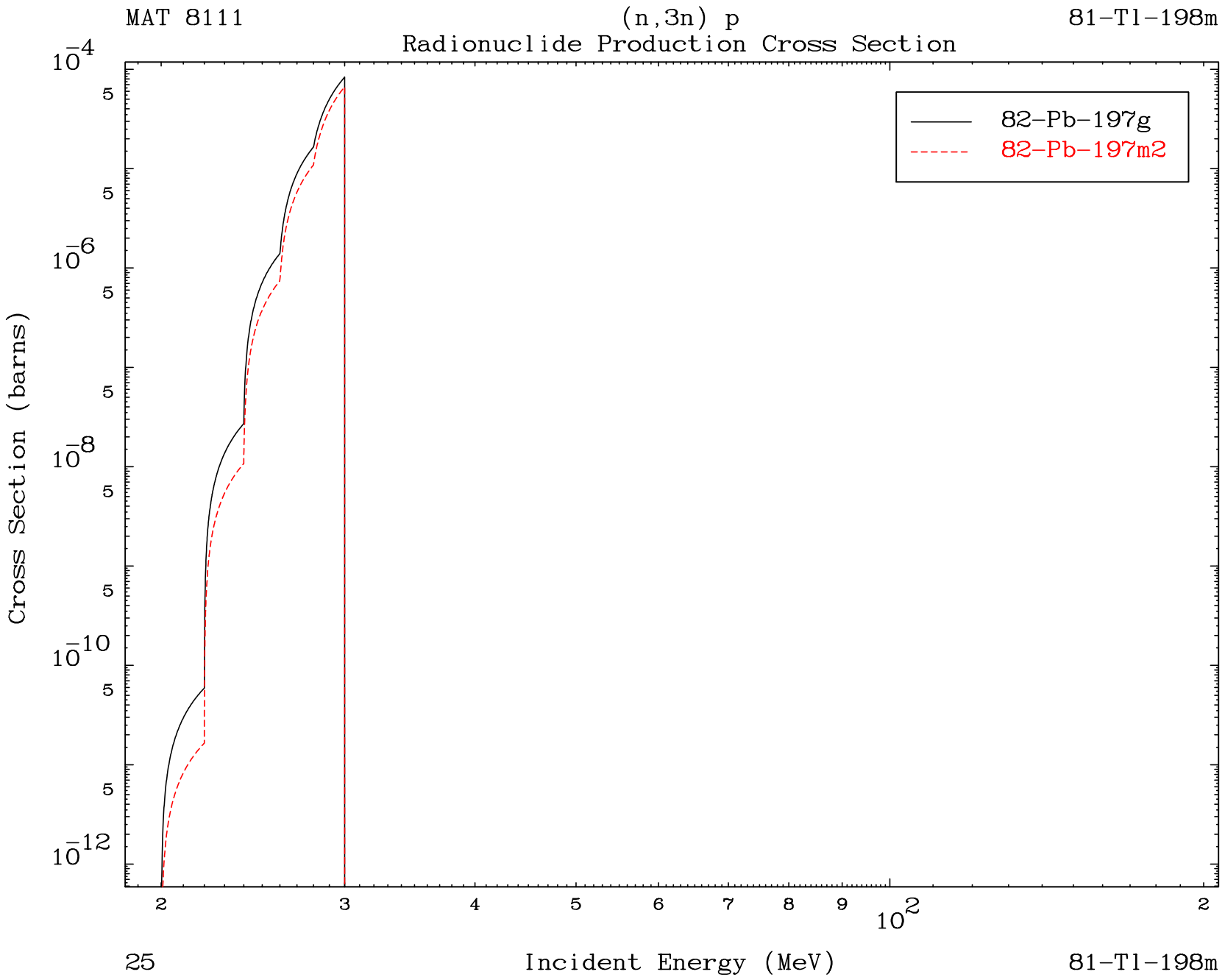
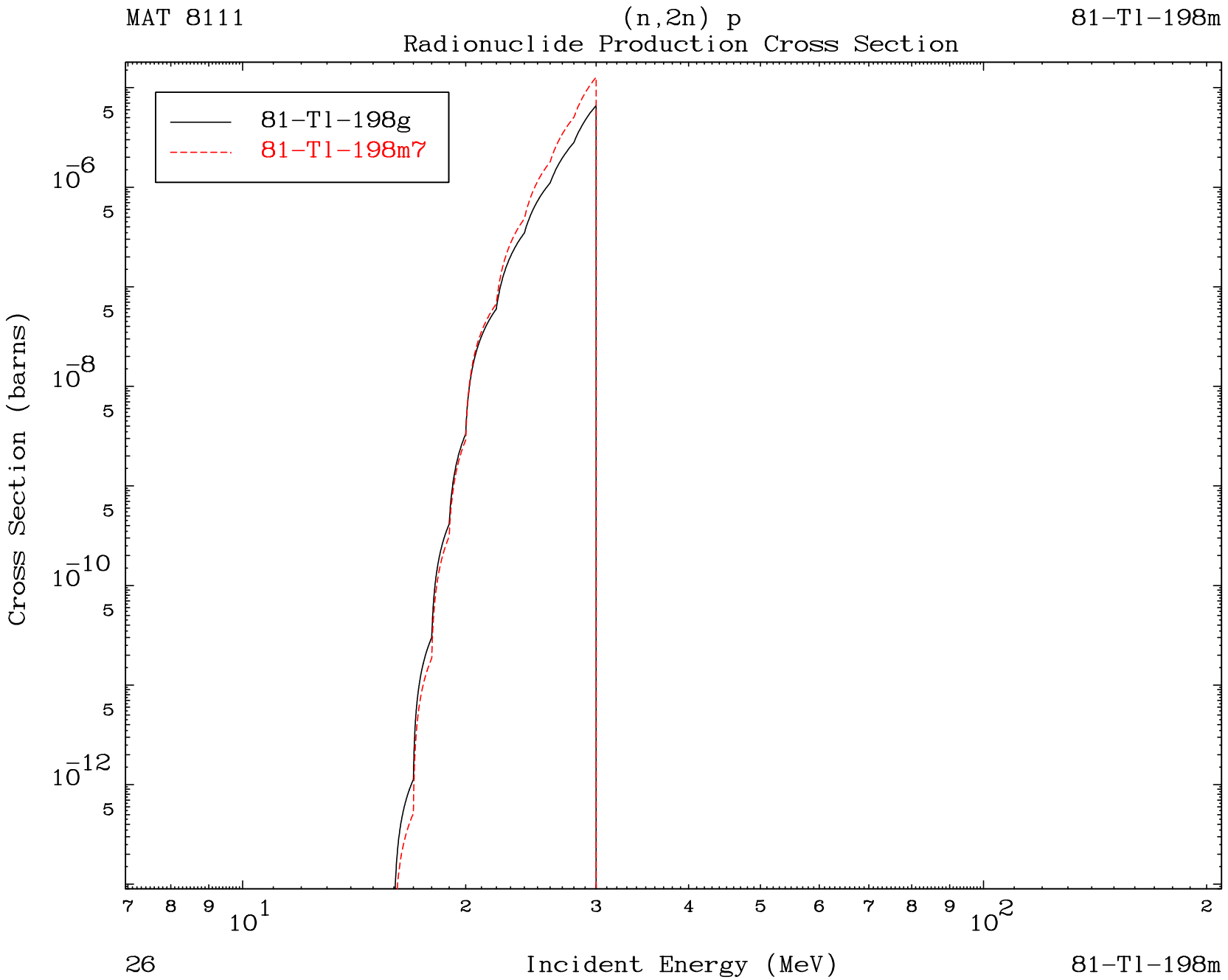
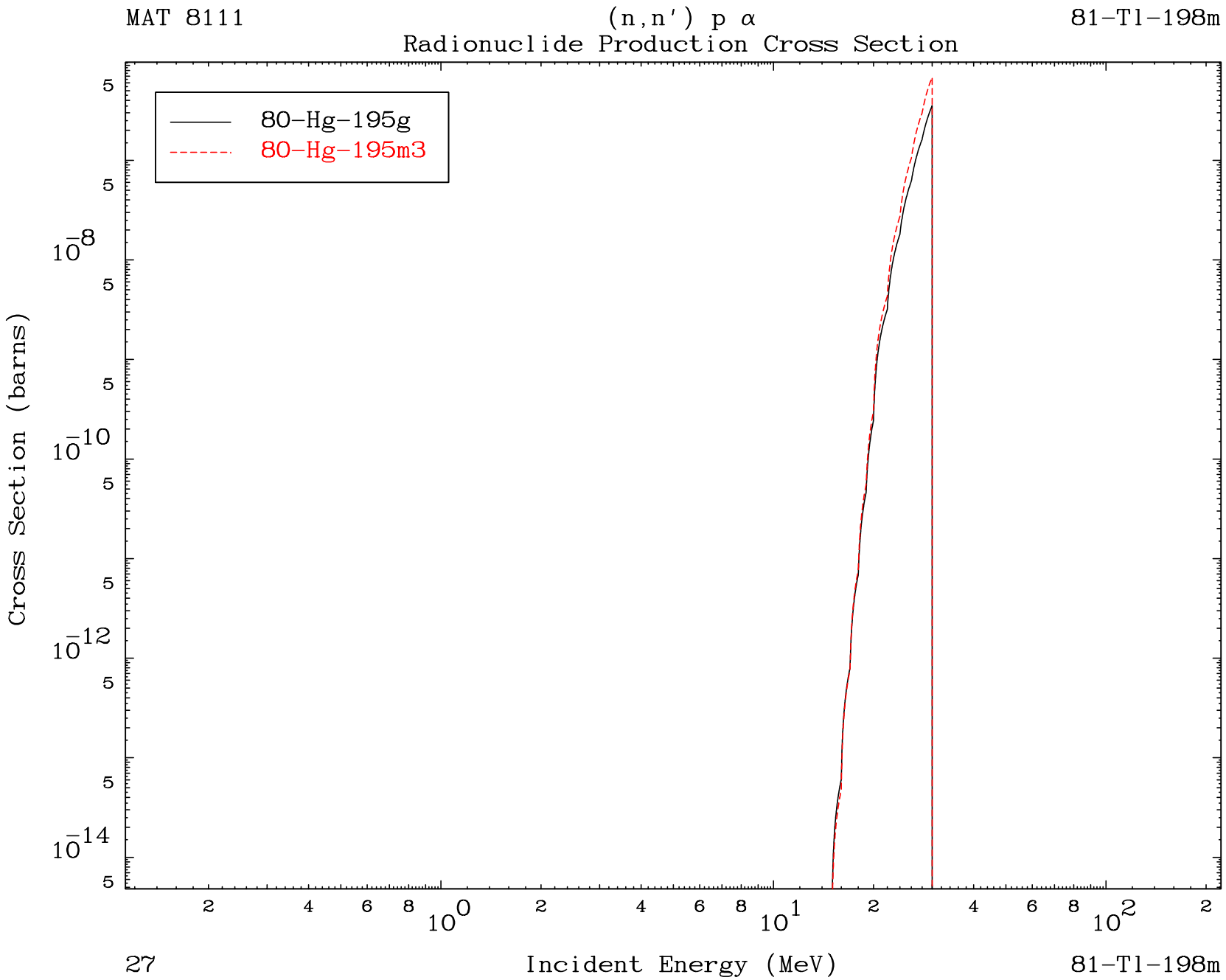
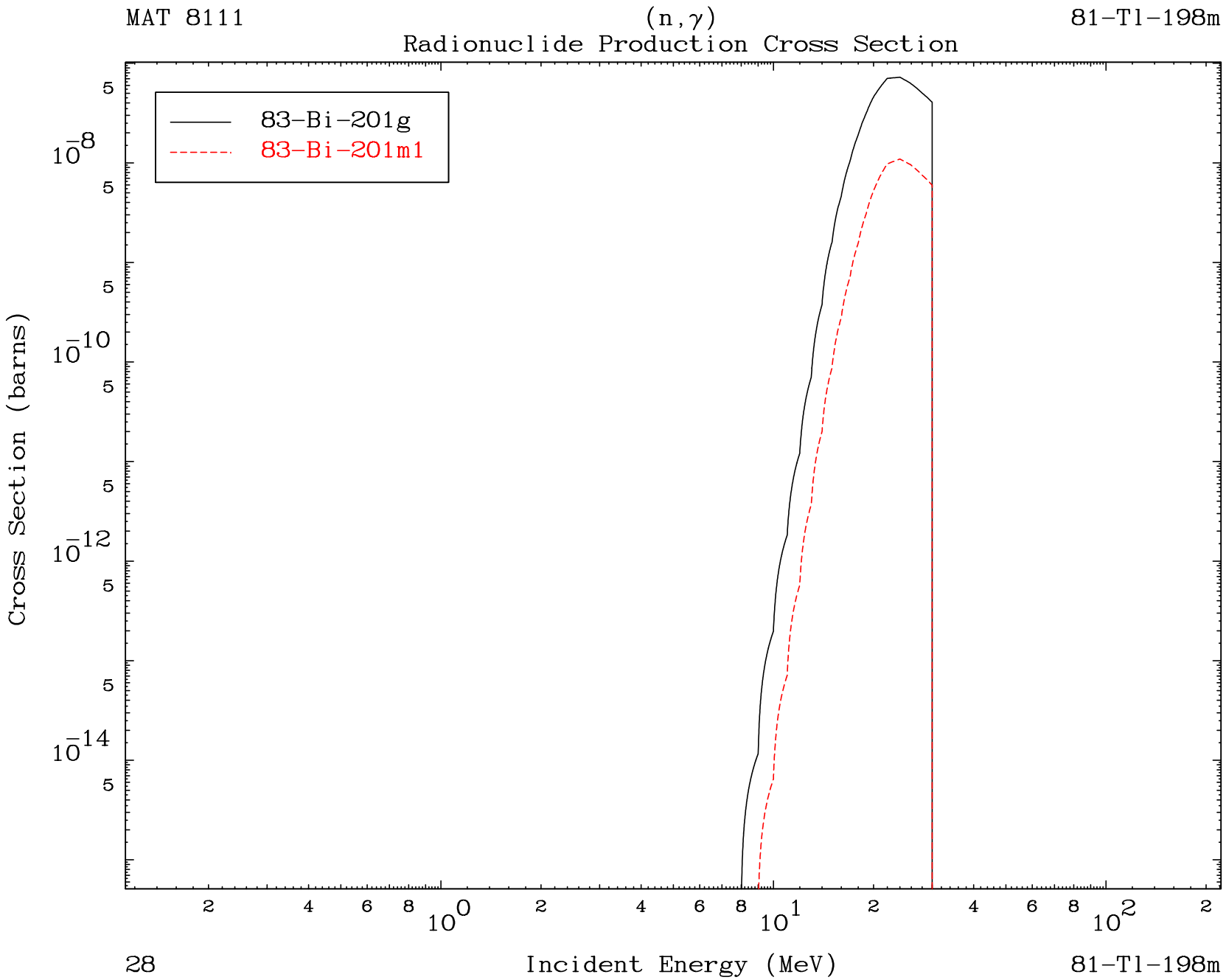
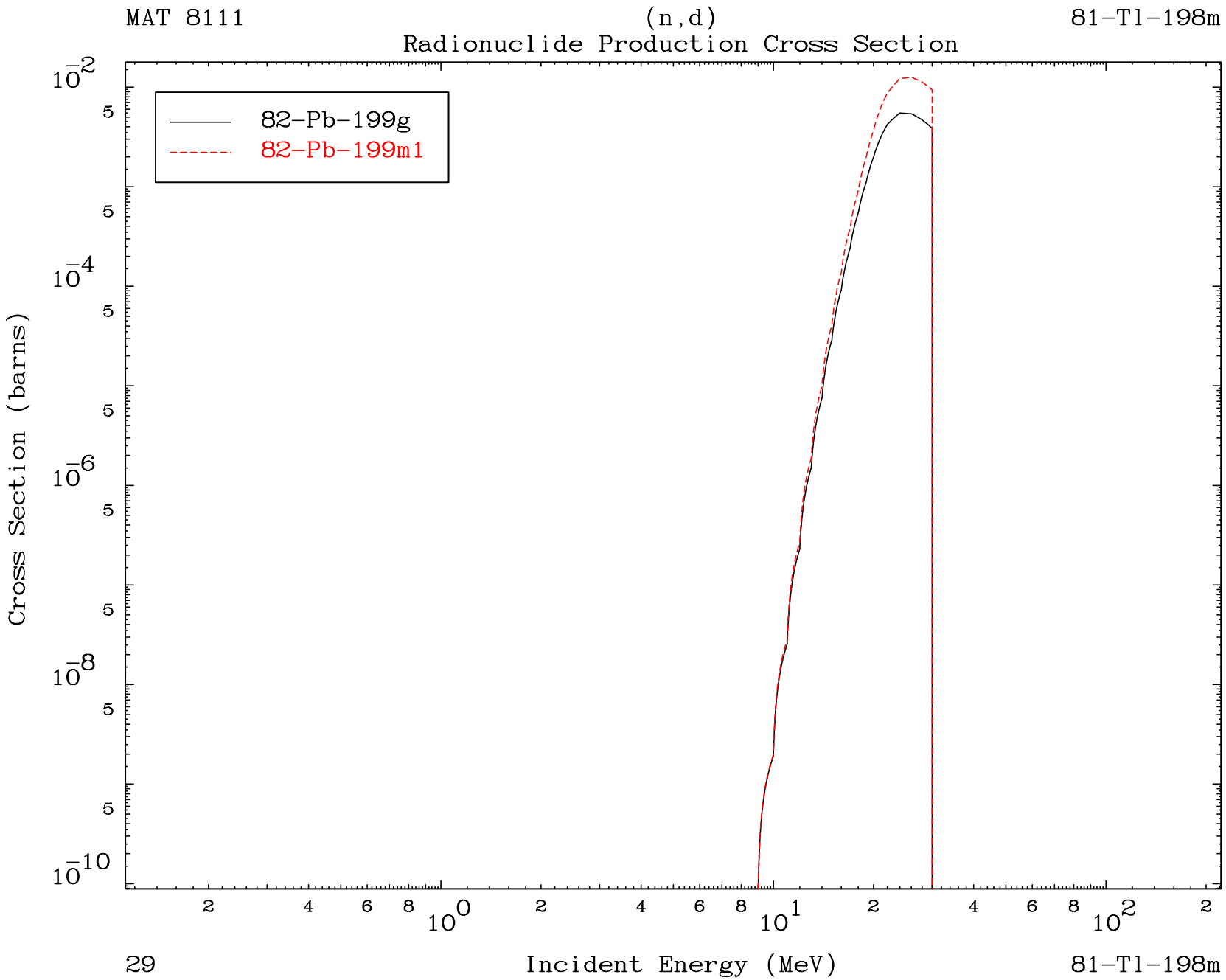
8
9
10+2
2
24
Incident Energy (MeV)
81-Tl-198m

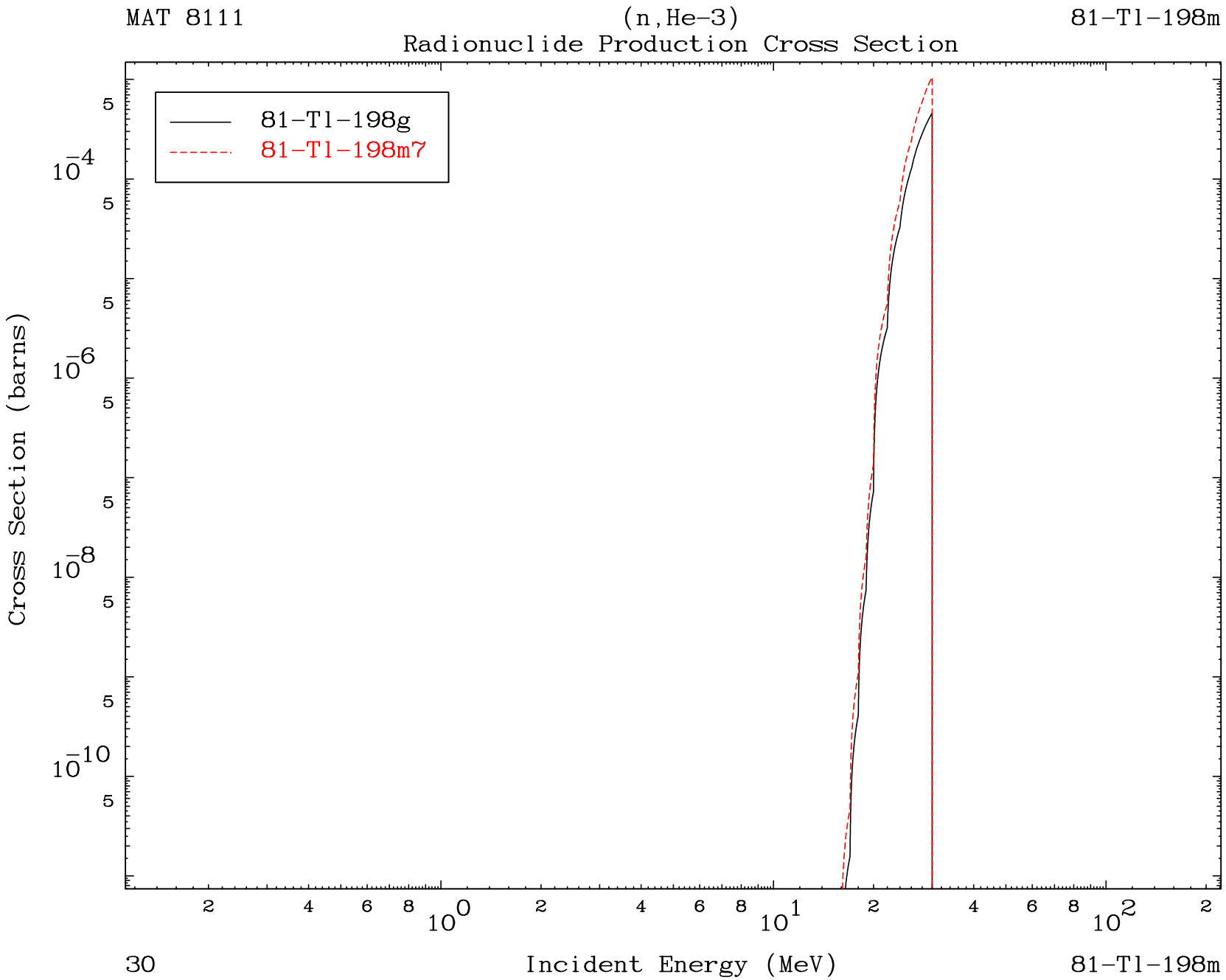

MAT 8111
(n,3n) p
81-Tl-198m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
Incident Energy (MeV)
25
81-Tl-198m

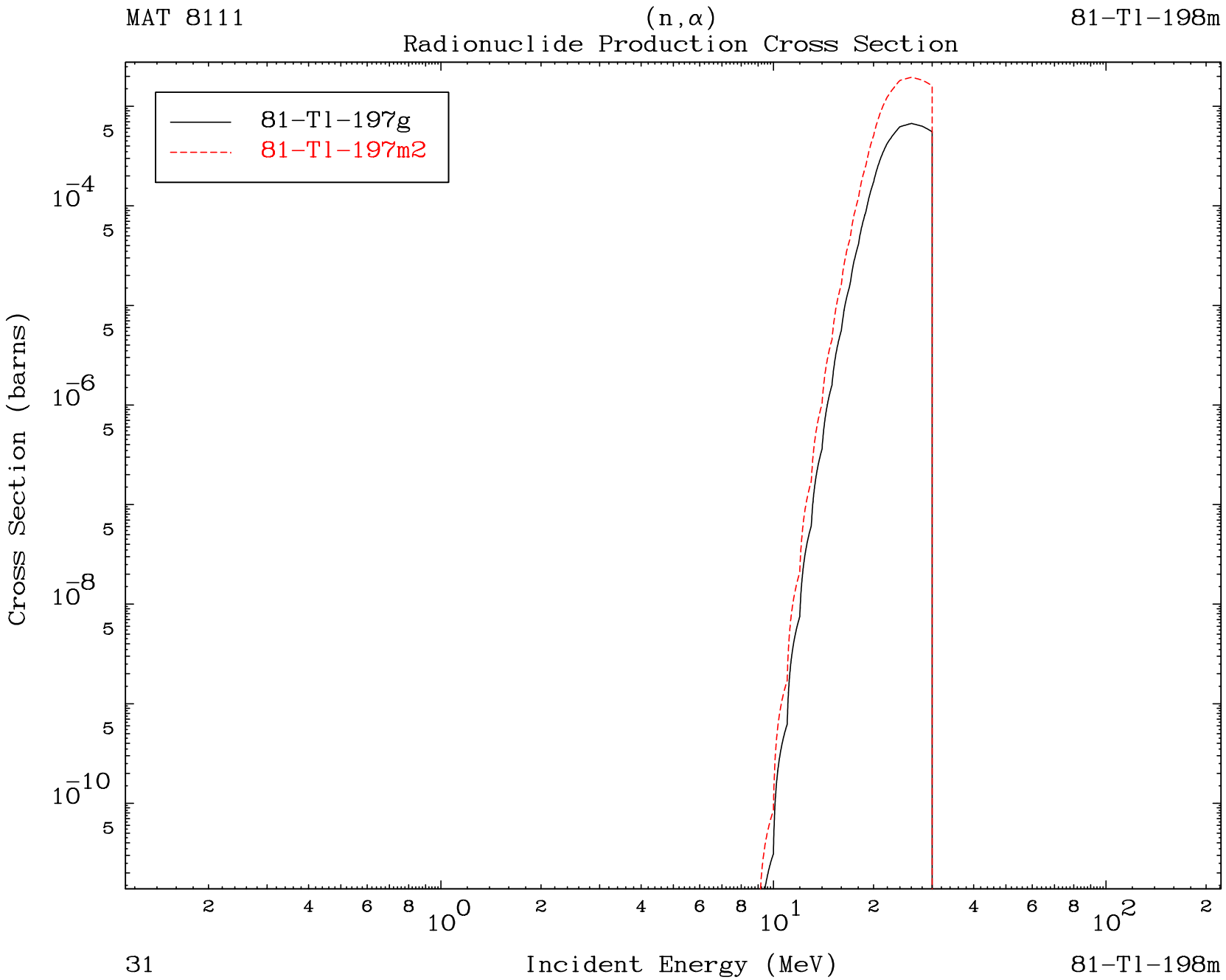

MAT 8111
(n,2n) p
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
10-6
10-8
10-10
10-12
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
26
Incident Energy (MeV)
81-Tl-198m

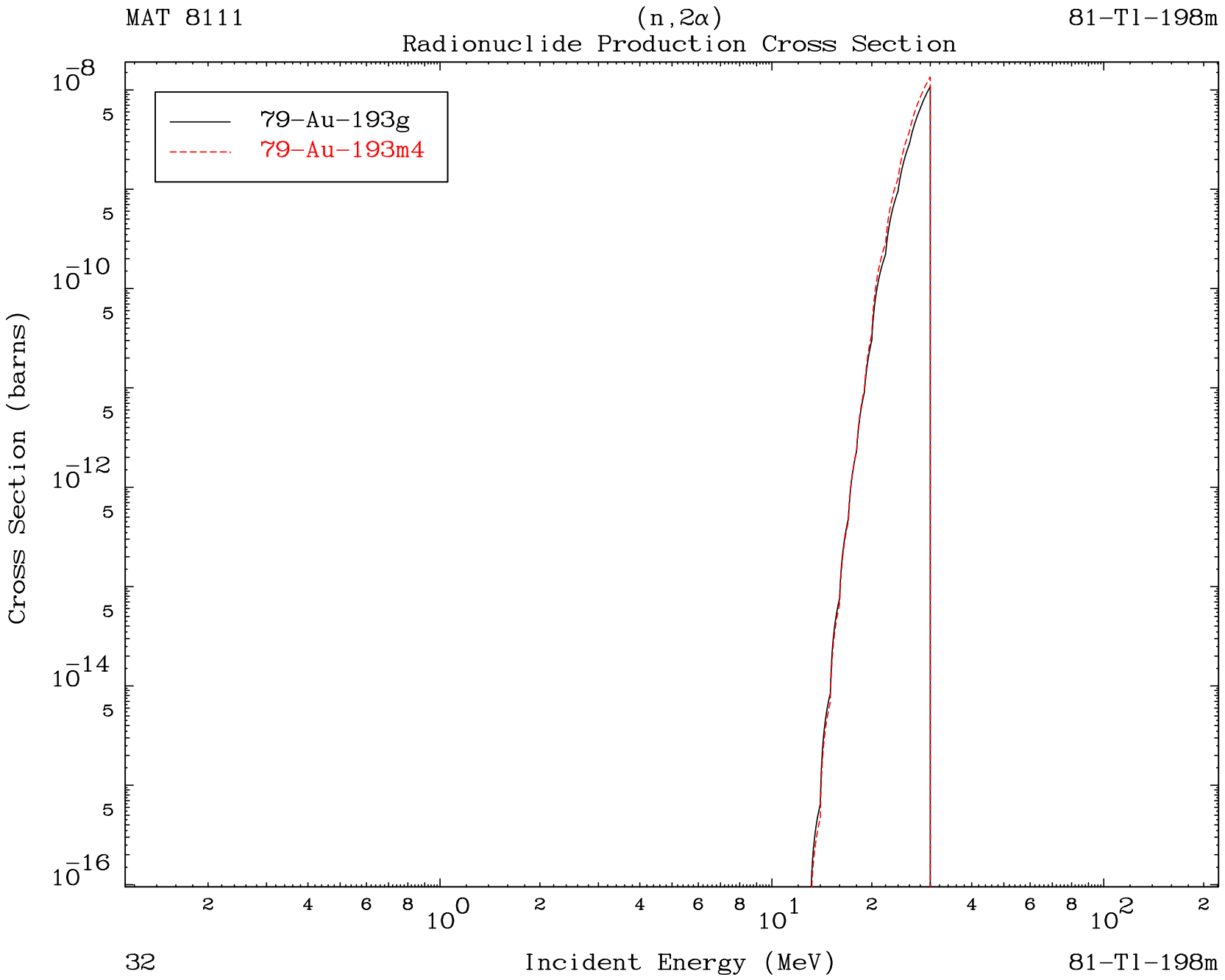

MAT 8111
(n,n') p α
81-Tl-198m
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
27
81-Tl-198m

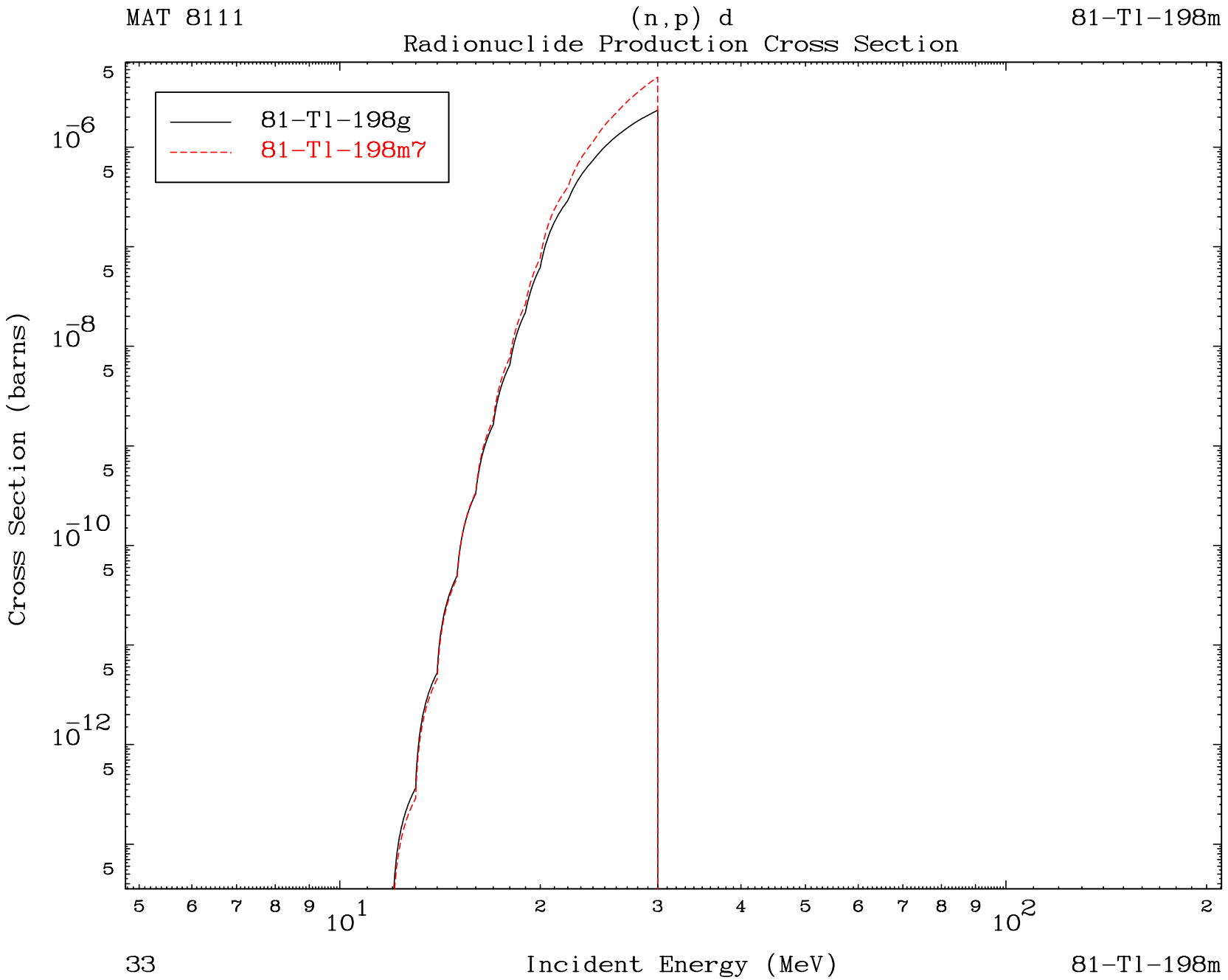

MAT 8111
(n,γ)
81-Tl-198m
Radionuclide Production Cross Section
83-Bi-201g
83-Bi-201m1
Cross Section (barns)
Incident Energy (MeV)
28
81-Tl-198m

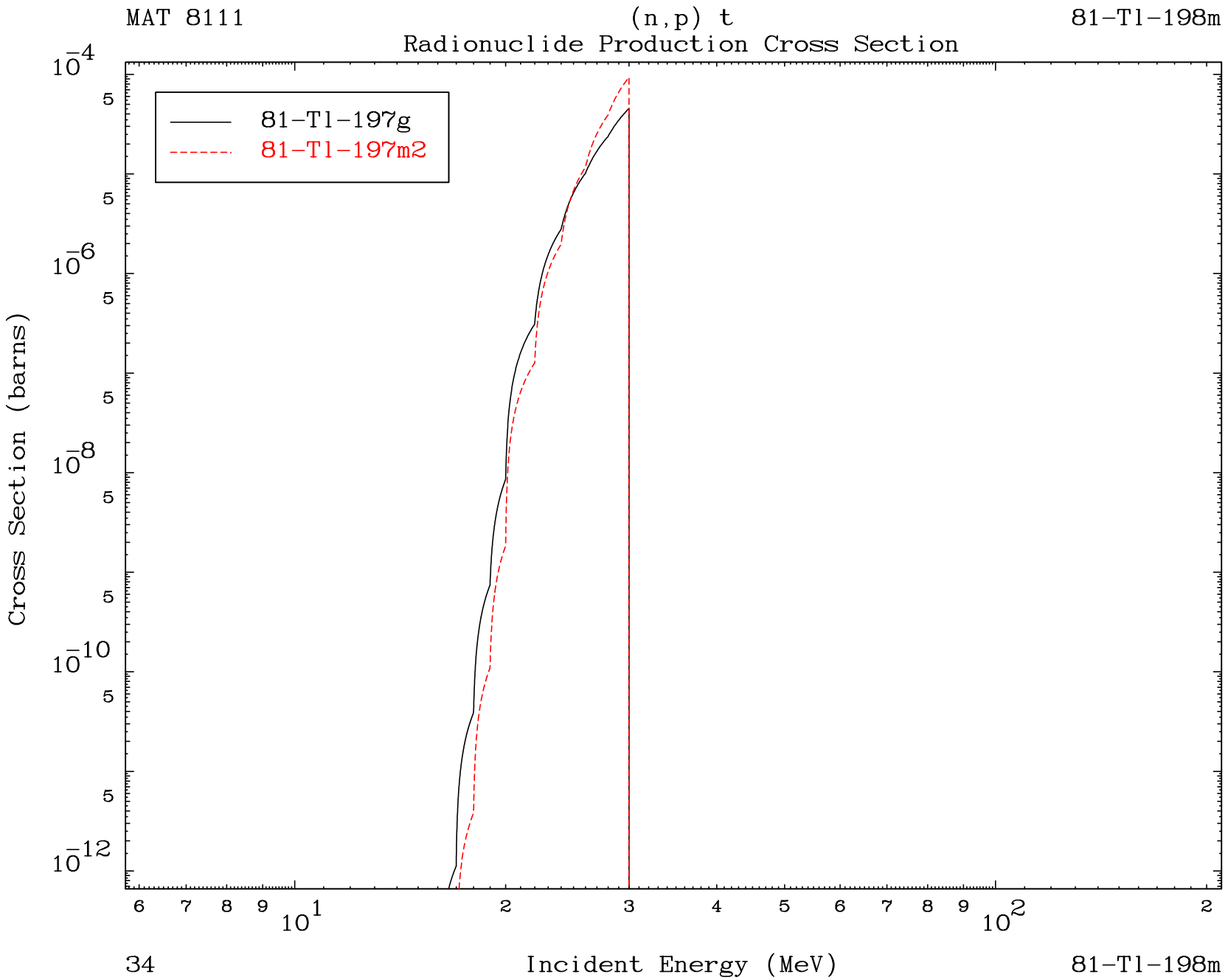

MAT 8111
(n,d)
81-Tl-198m
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
29
81-Tl-198m

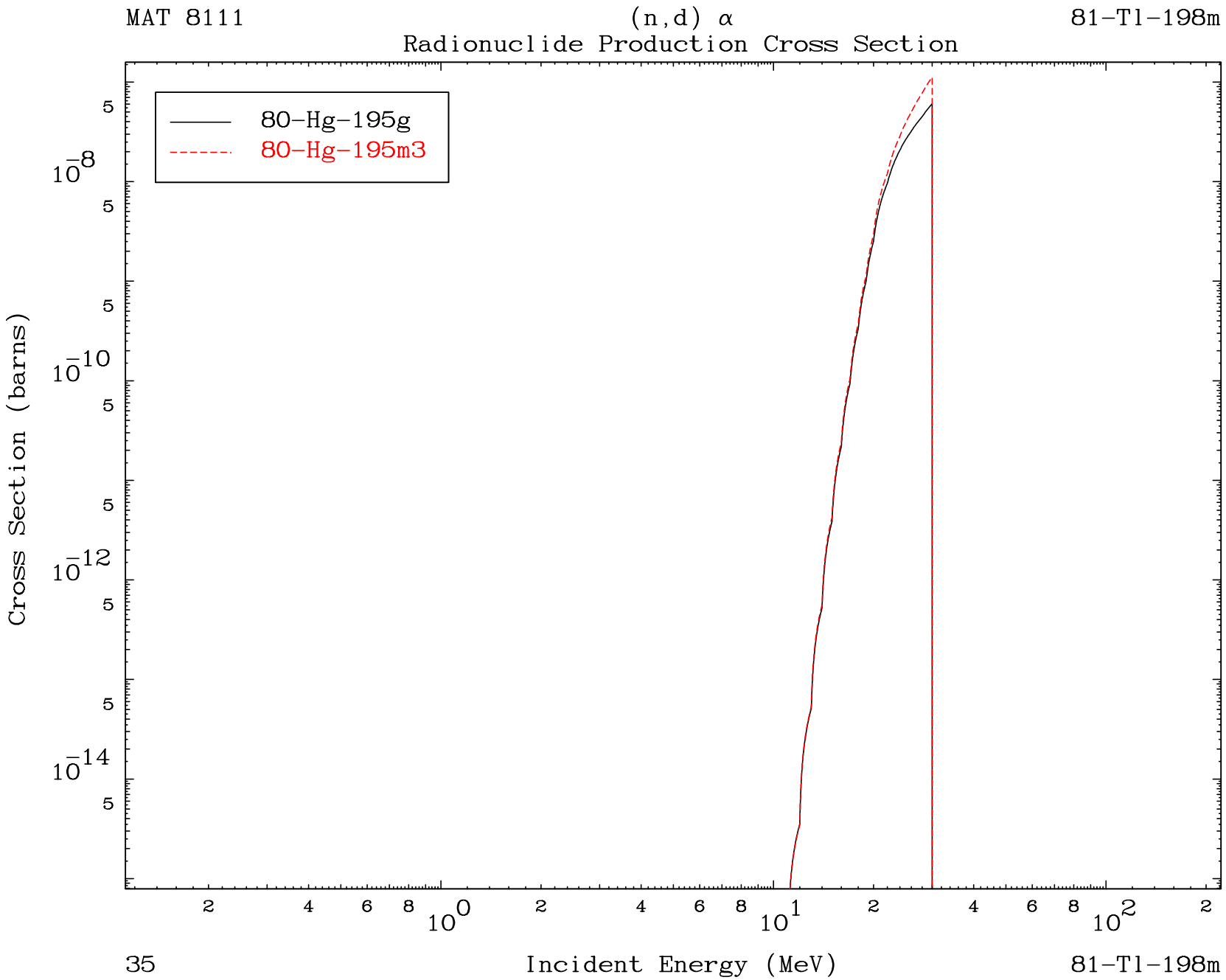

MAT 8111
(n,He-3)
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
Incident Energy (MeV)
30
81-Tl-198m


MAT 8111
(n,α)
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
10 0
10 1
10 2
Incident Energy (MeV)
31
81-Tl-198m


MAT 8111
(n,2α)
81-Tl-198m
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
32
81-Tl-198m


MAT 8111
(n,p) d
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
Incident Energy (MeV)
33
81-Tl-198m


MAT 8111
(n,p) t
81-Tl-198m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
34
81-Tl-198m


MAT 8111
(n,d) α
81-Tl-198m
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
35
81-Tl-198m