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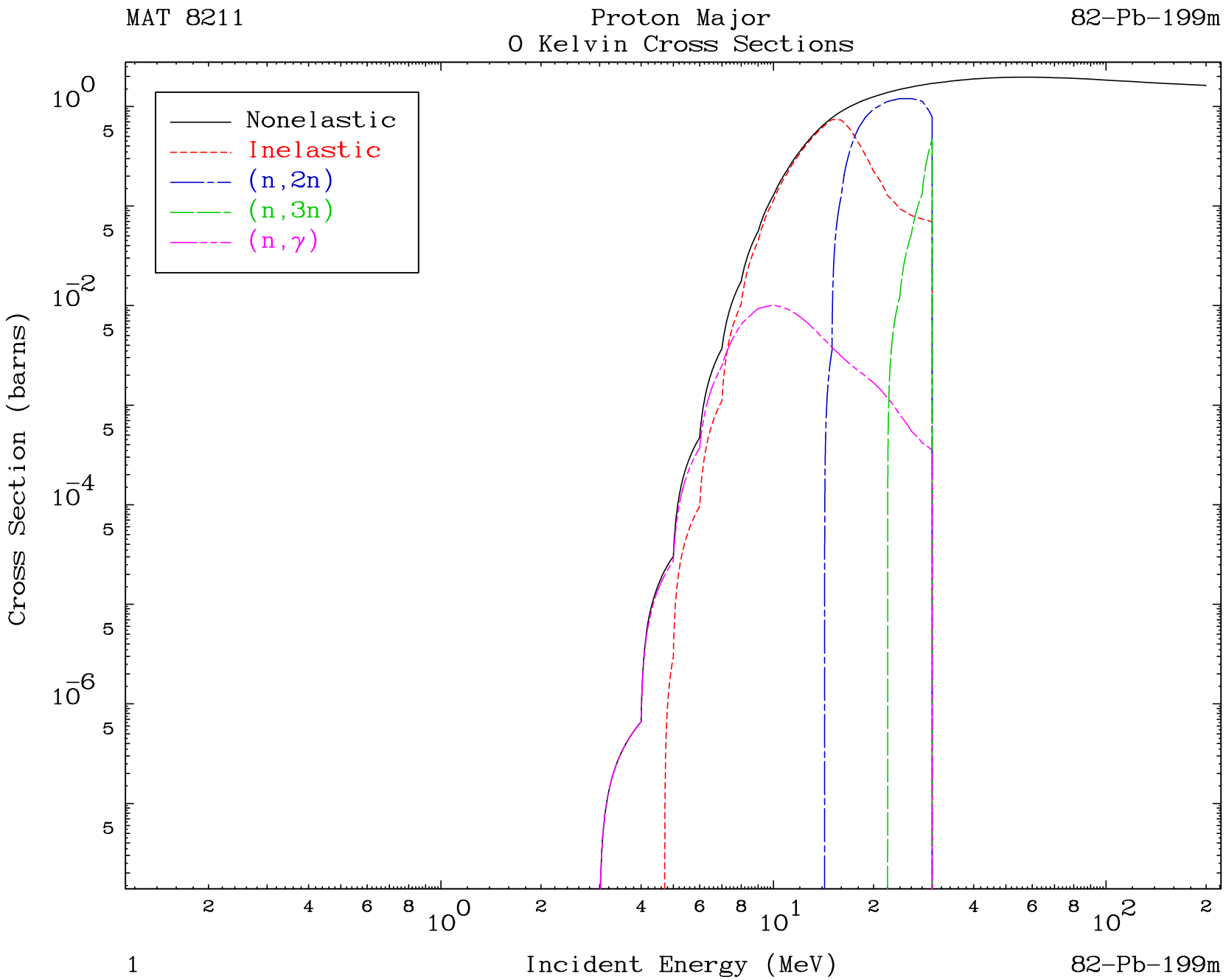
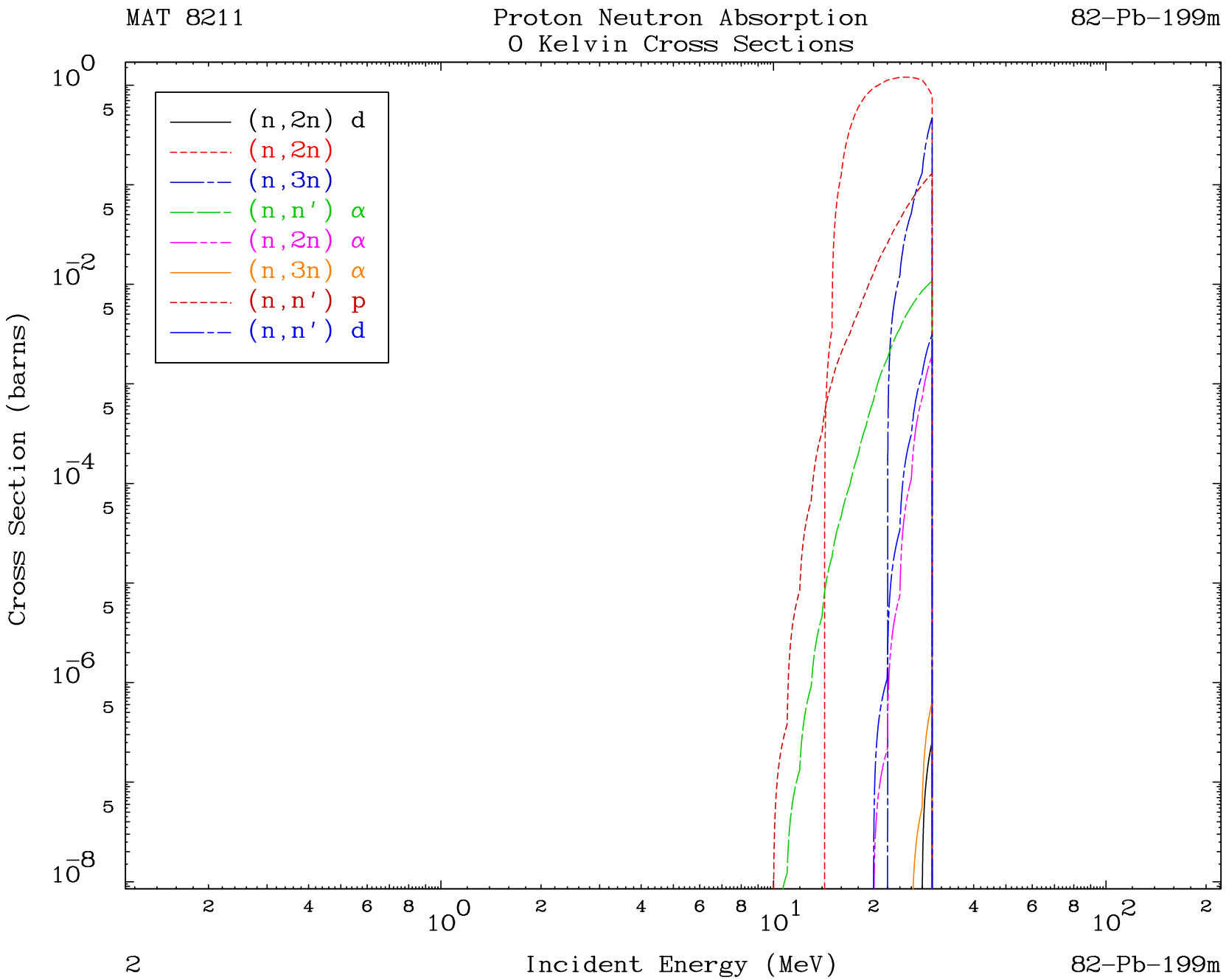
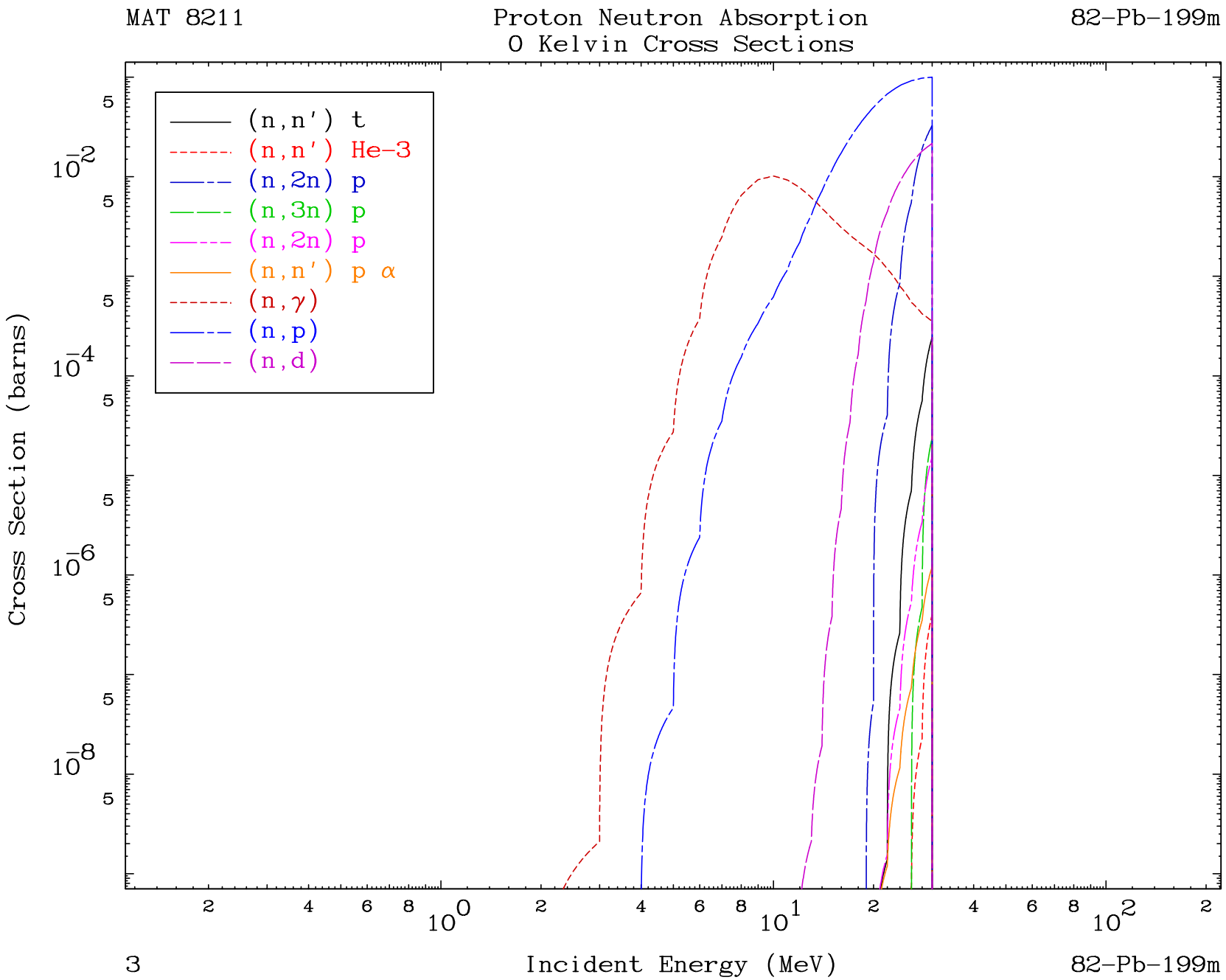
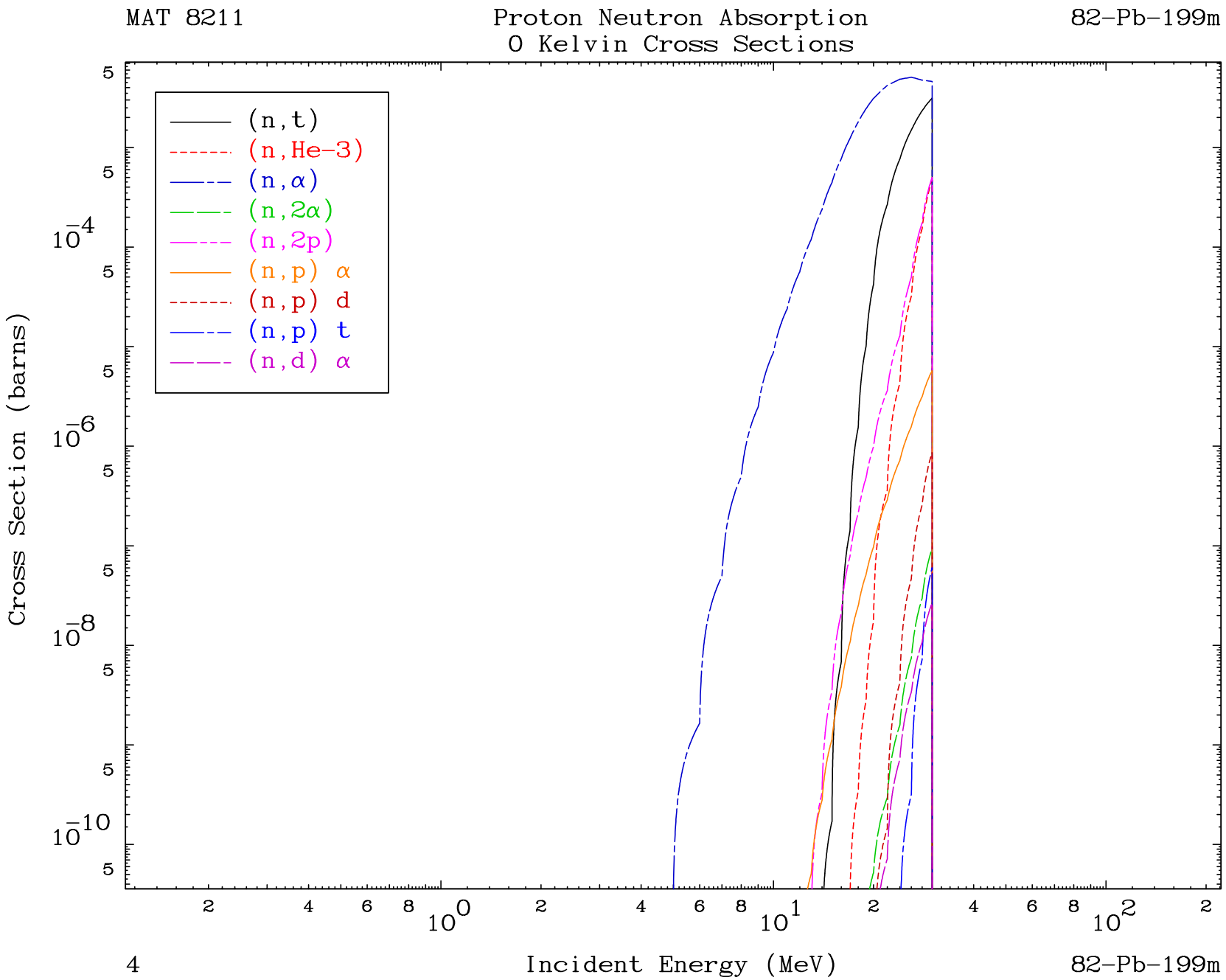
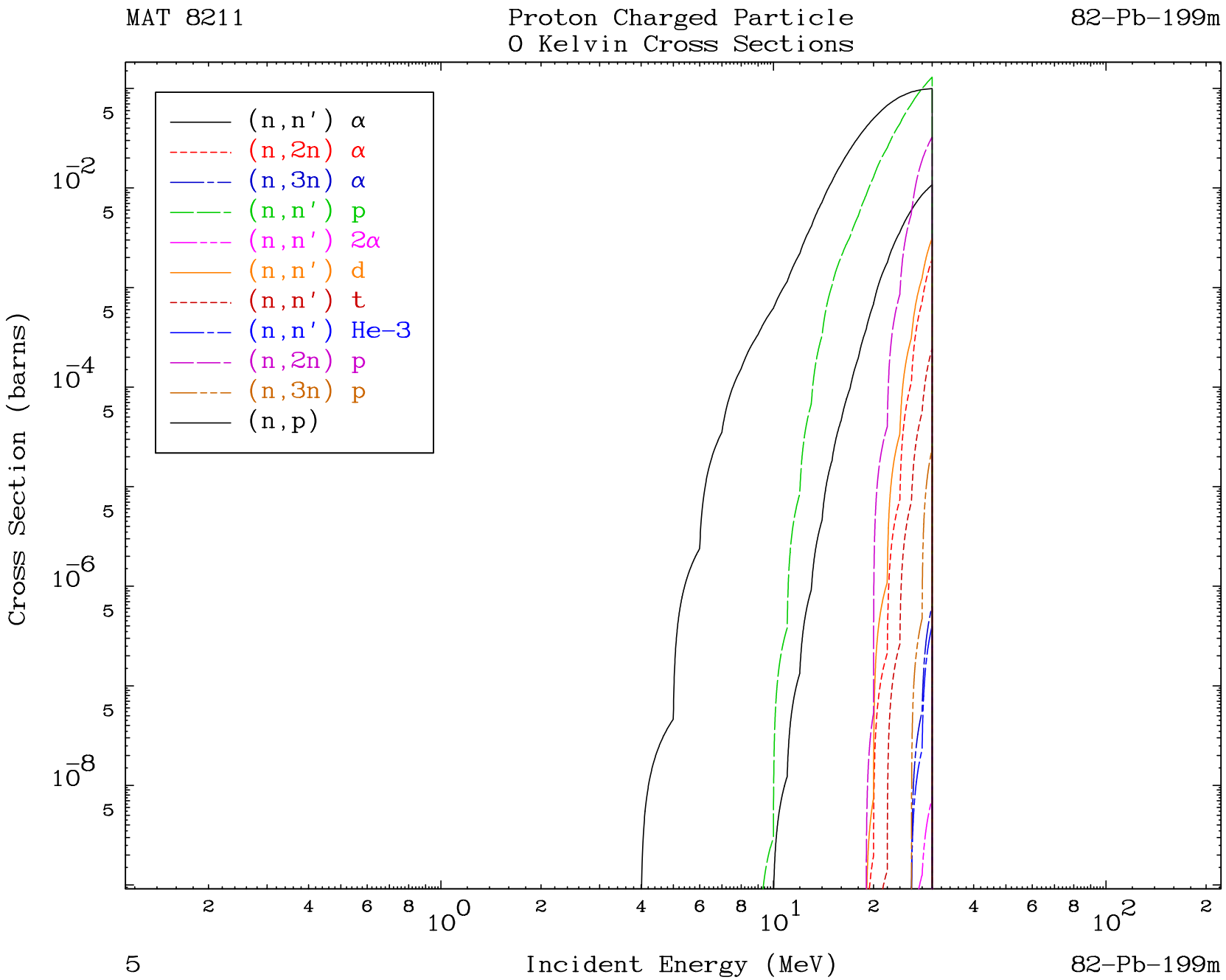
Press Mouse Button to Start

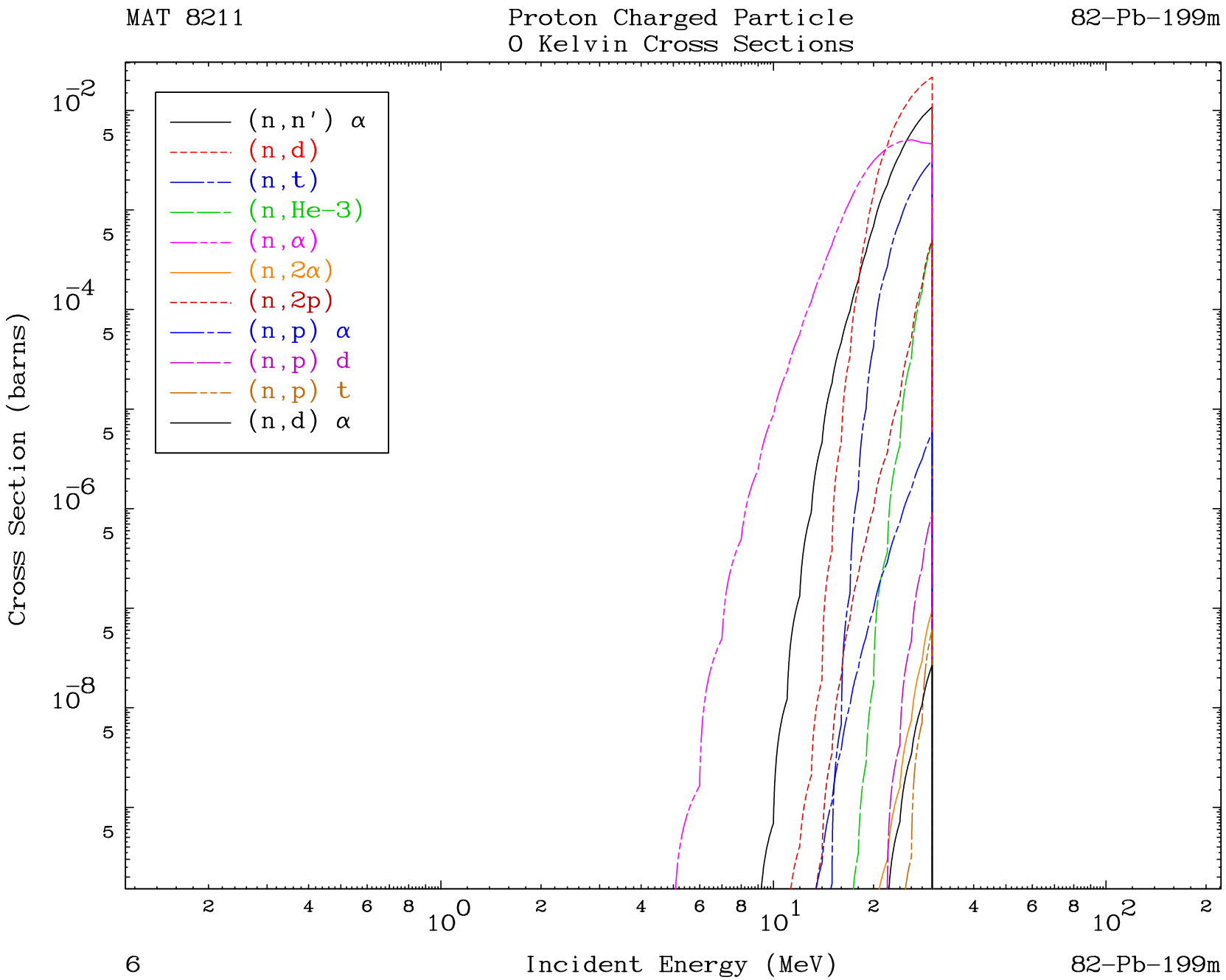

MAT 8211
Proton Major
82-Pb-199m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-199m

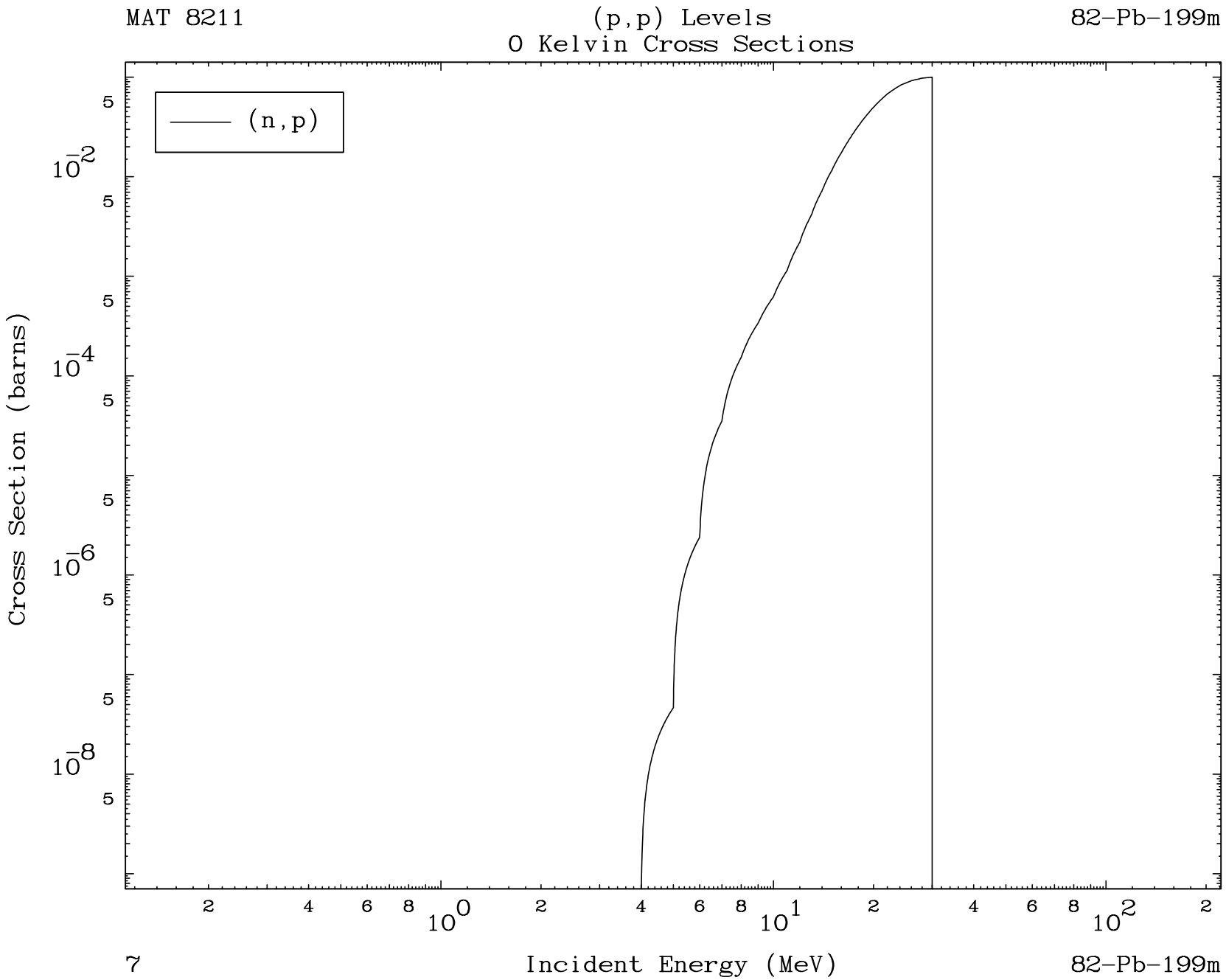

MAT 8211
Proton Neutron Absorption
0 Kelvin Cross Sections
82-Pb-199m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
82-Pb-199m


MAT 8211
Proton Neutron Absorption
0 Kelvin Cross Sections
82-Pb-199m
(n,n') t
(n,n') He-3
(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
82-Pb-199m


MAT 8211
Proton Neutron Absorption
0 Kelvin Cross Sections
82-Pb-199m
(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)
82-Pb-199m
4

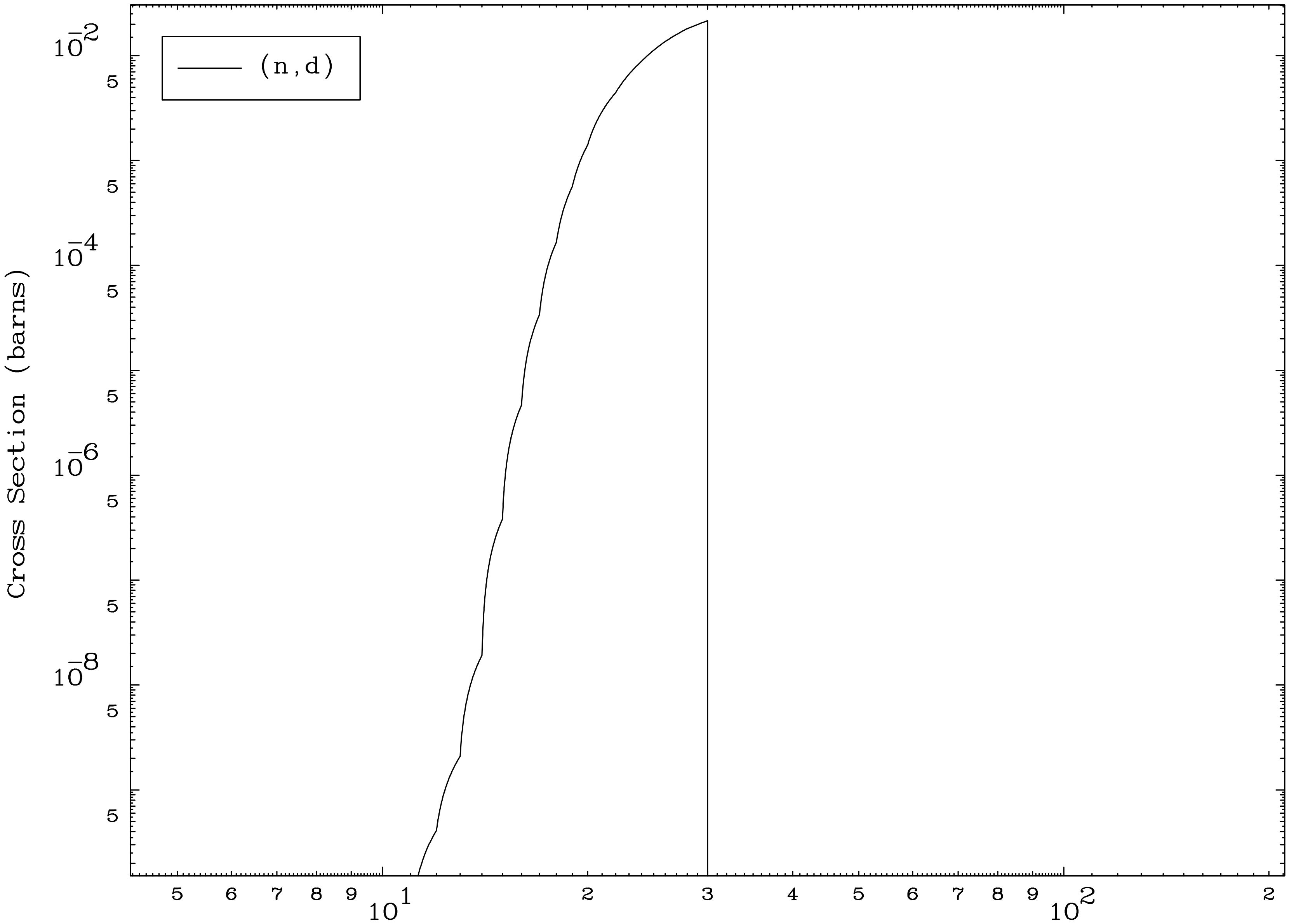

MAT 8211
Proton Charged Particle
0 Kelvin Cross Sections
82-Pb-199m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-199m


MAT 8211
Proton Charged Particle
0 Kelvin Cross Sections
82-Pb-199m
(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
82-Pb-199m

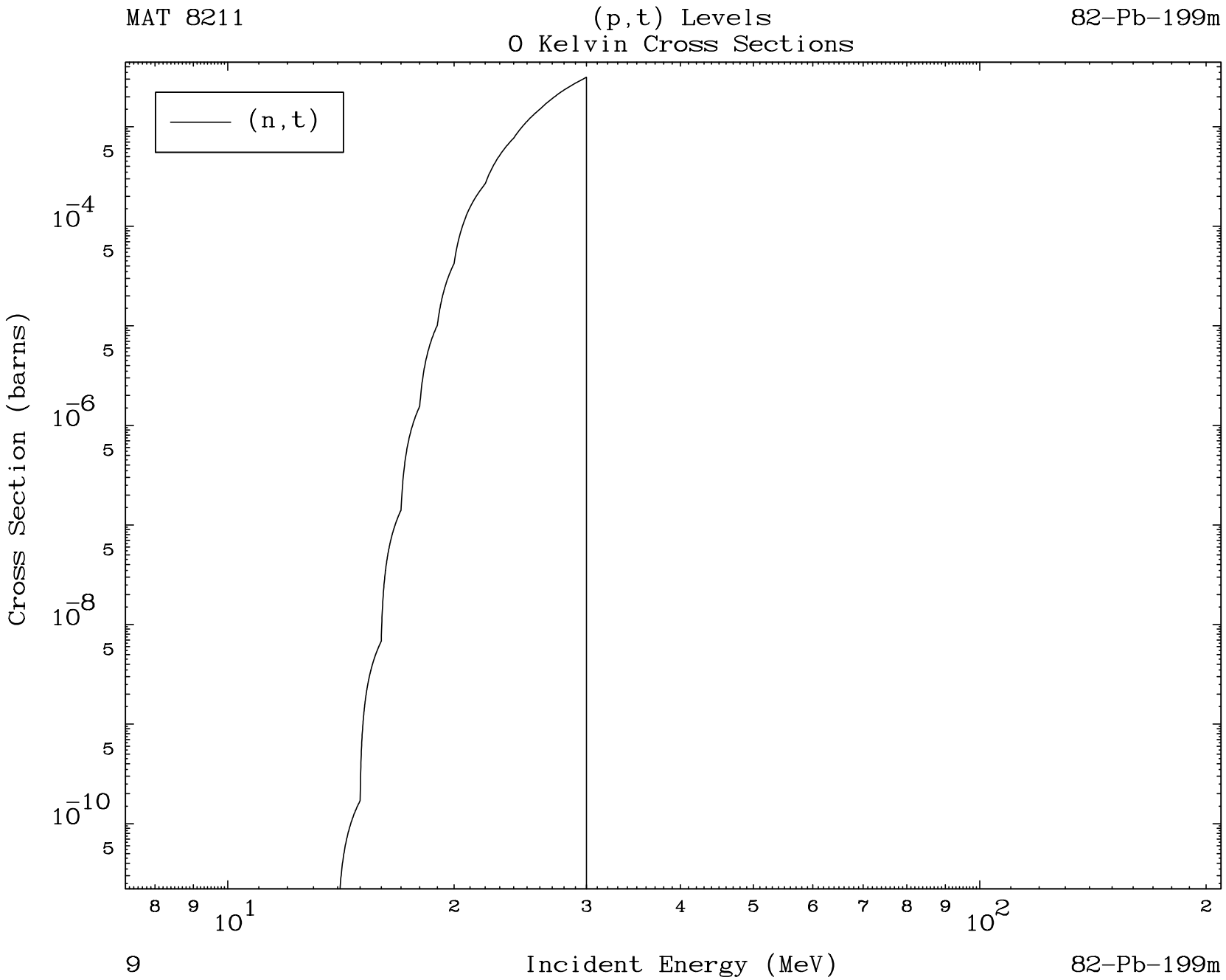

MAT 8211
(p,p) Levels
82-Pb-199m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
82-Pb-199m

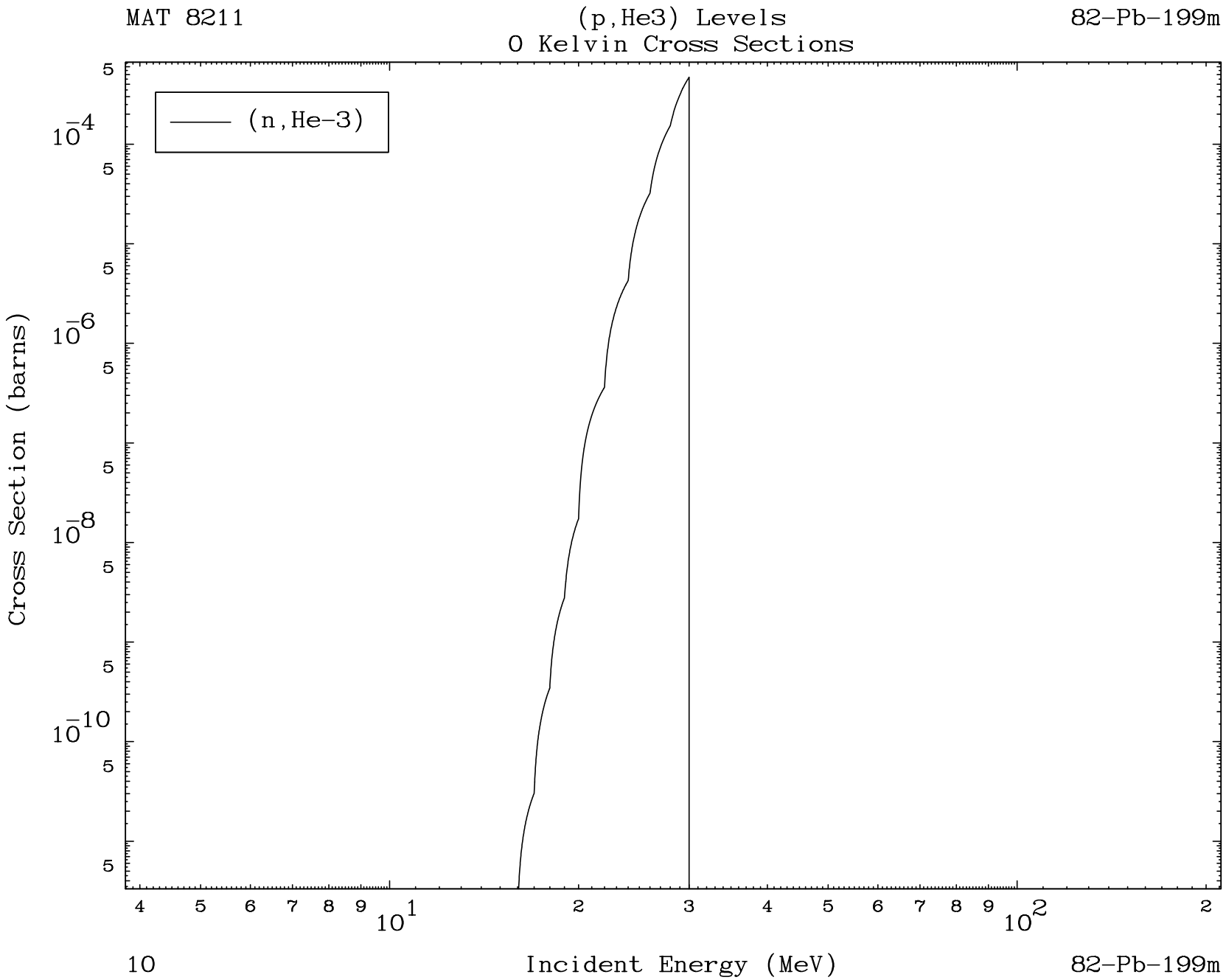
MAT 8211 (p,d) Levels 82-Pb-199m

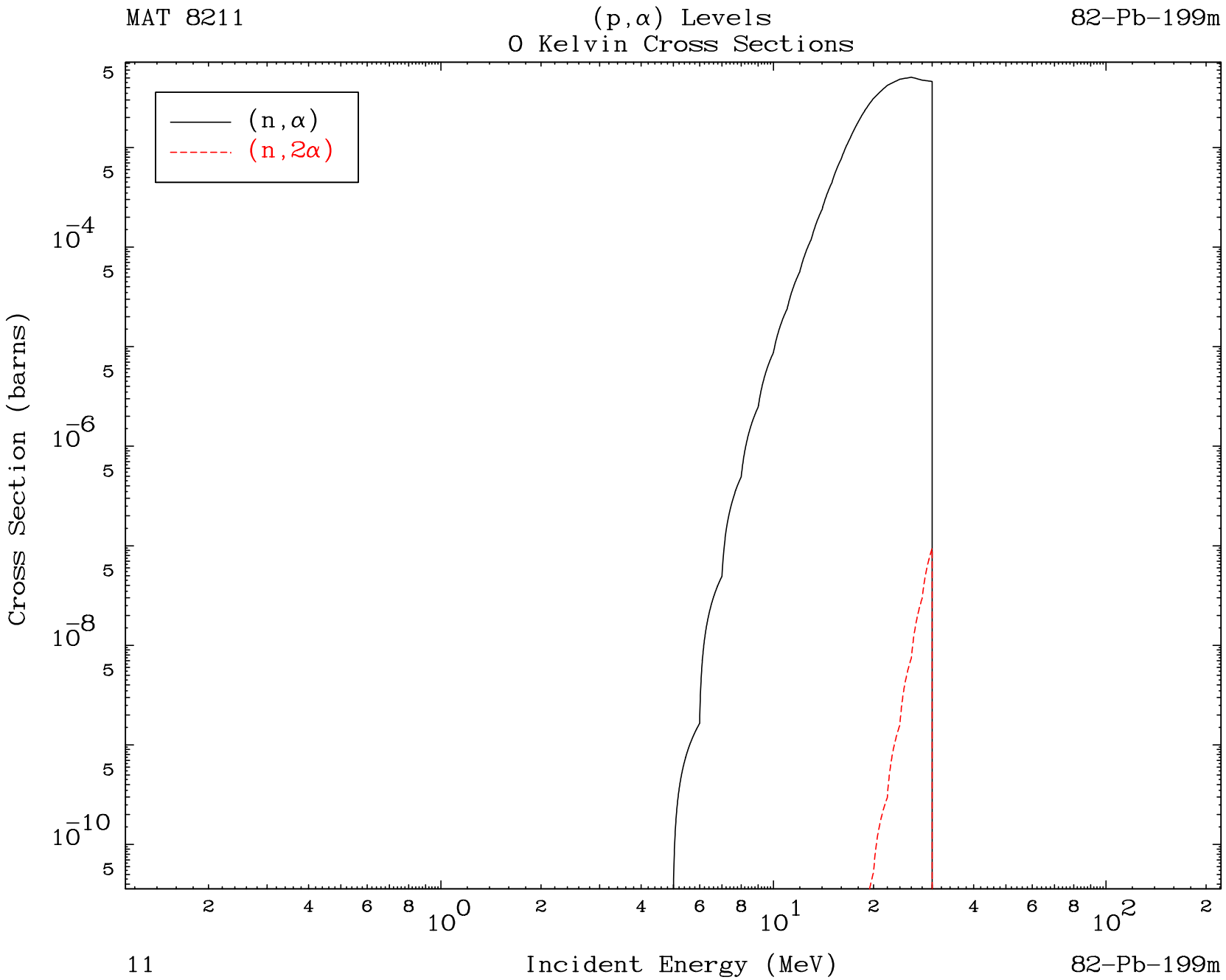
0 Kelvin Cross Sections

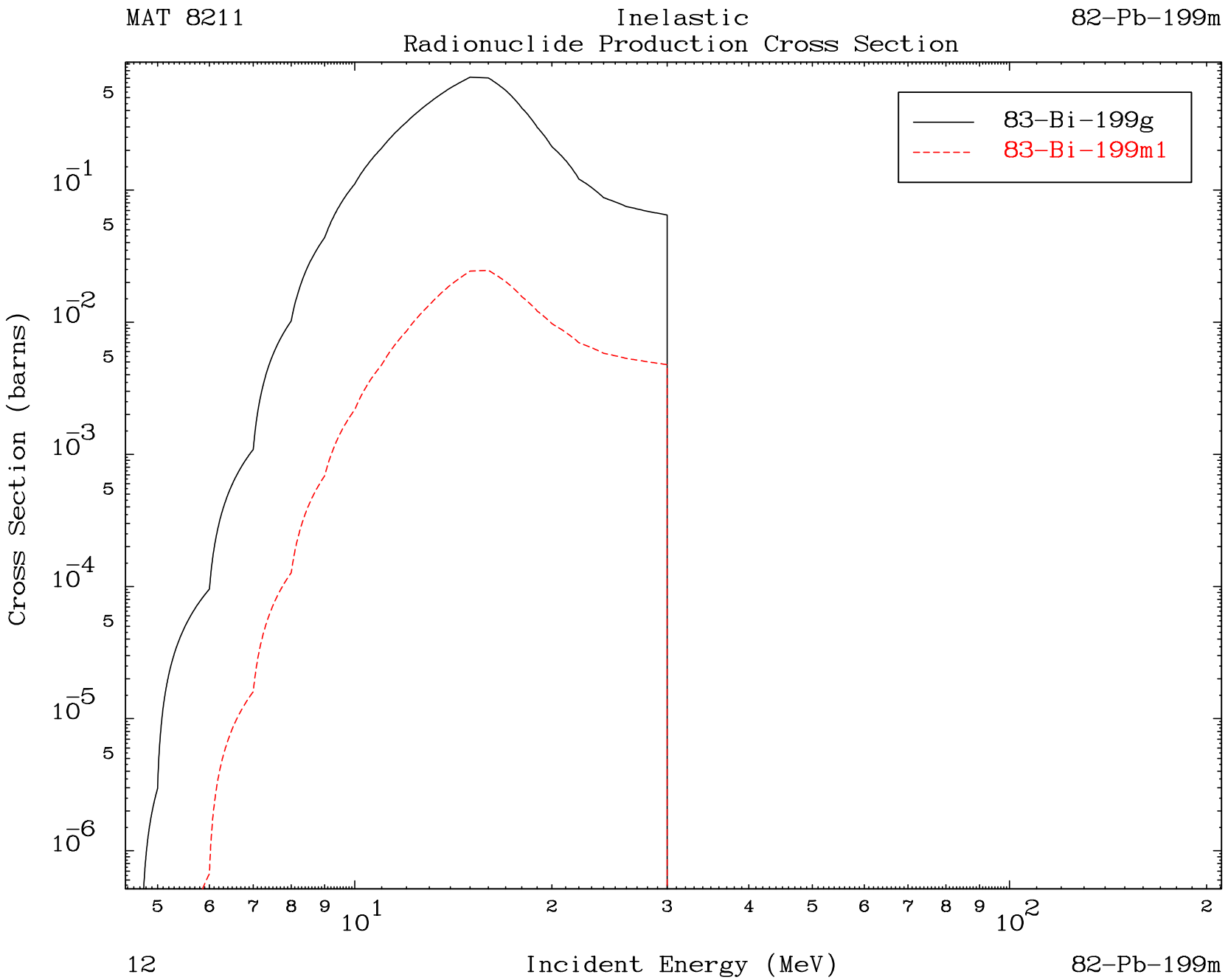


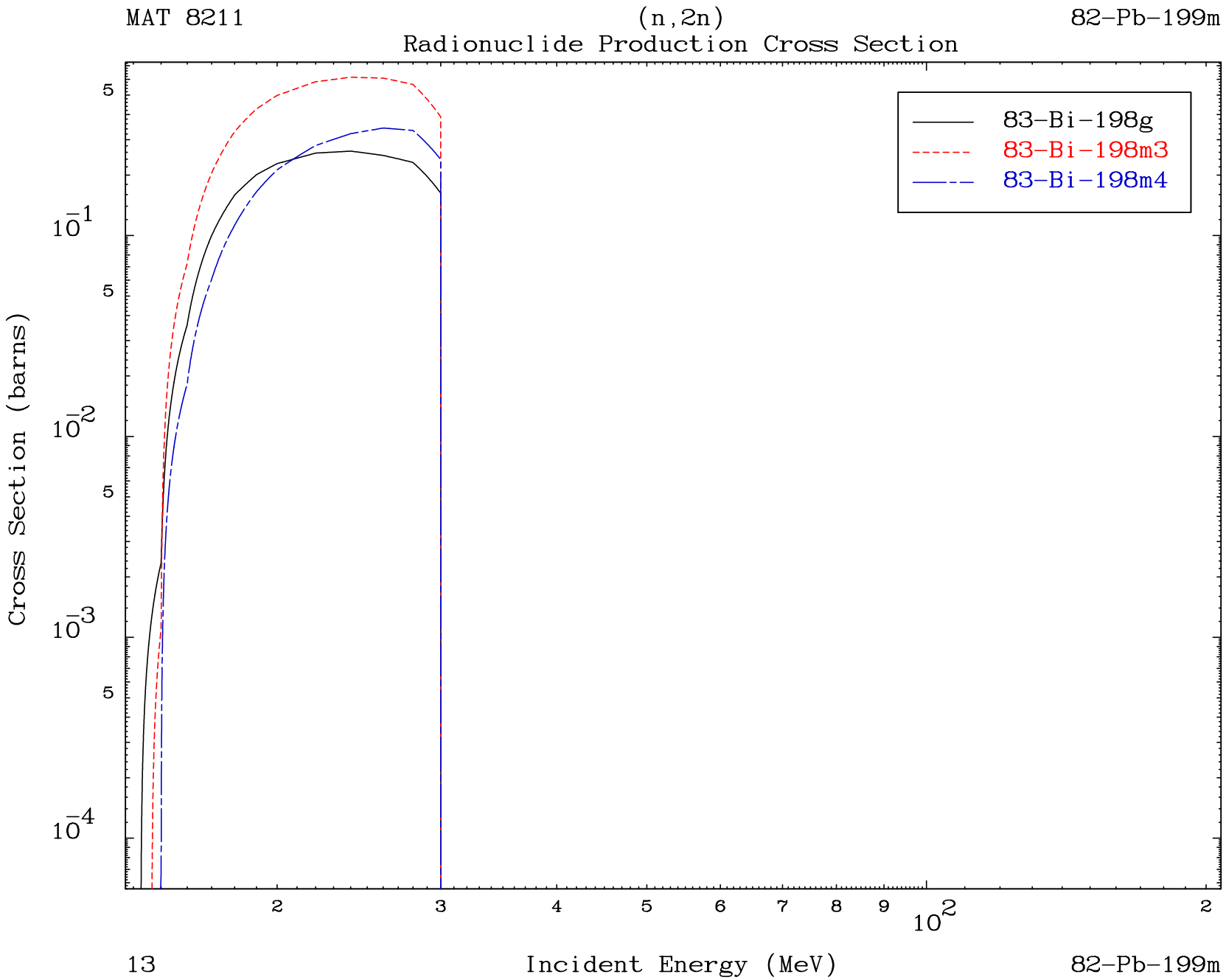
 82-Pb-199m

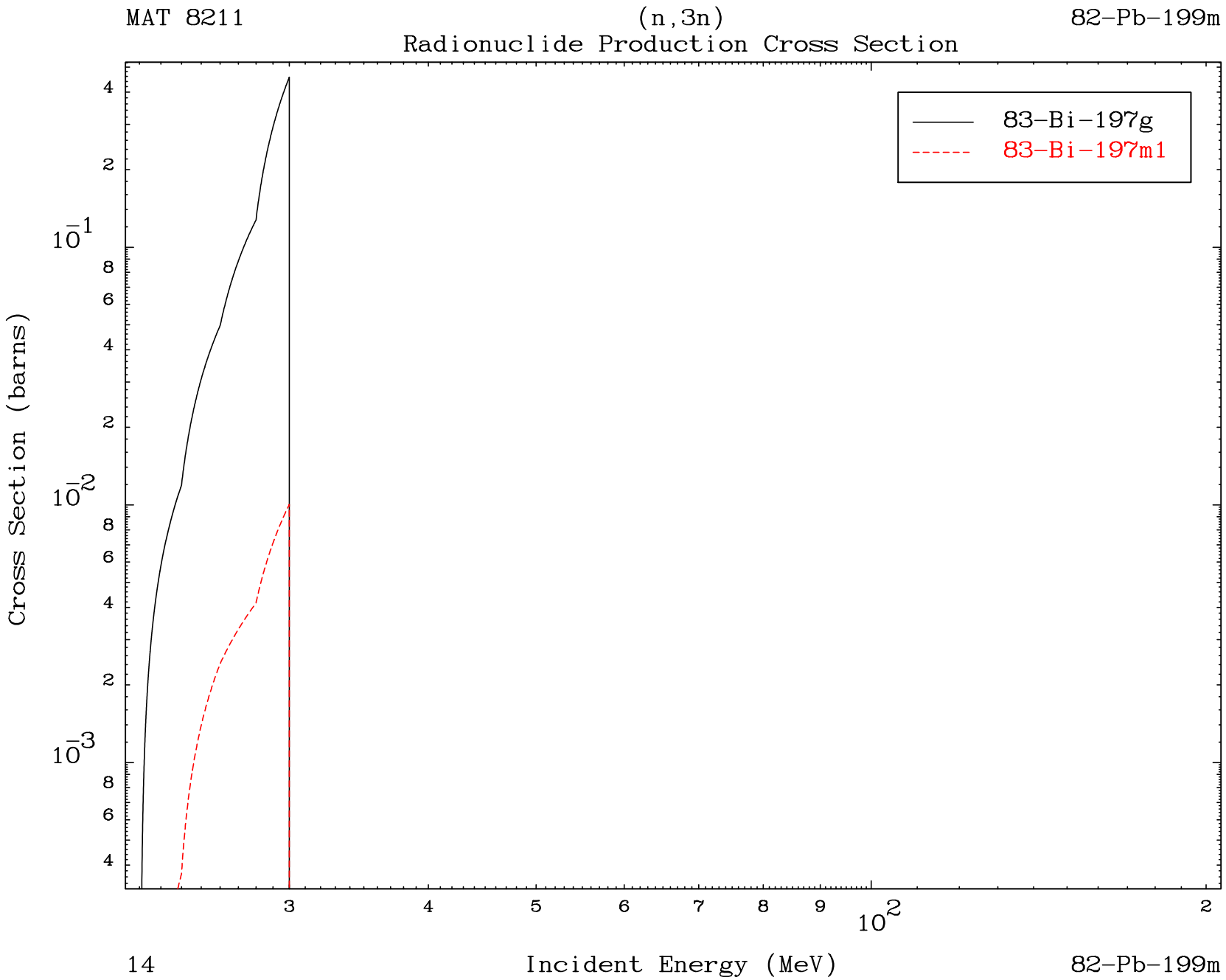

MAT 8211
(p,t) Levels
82-Pb-199m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
82-Pb-199m

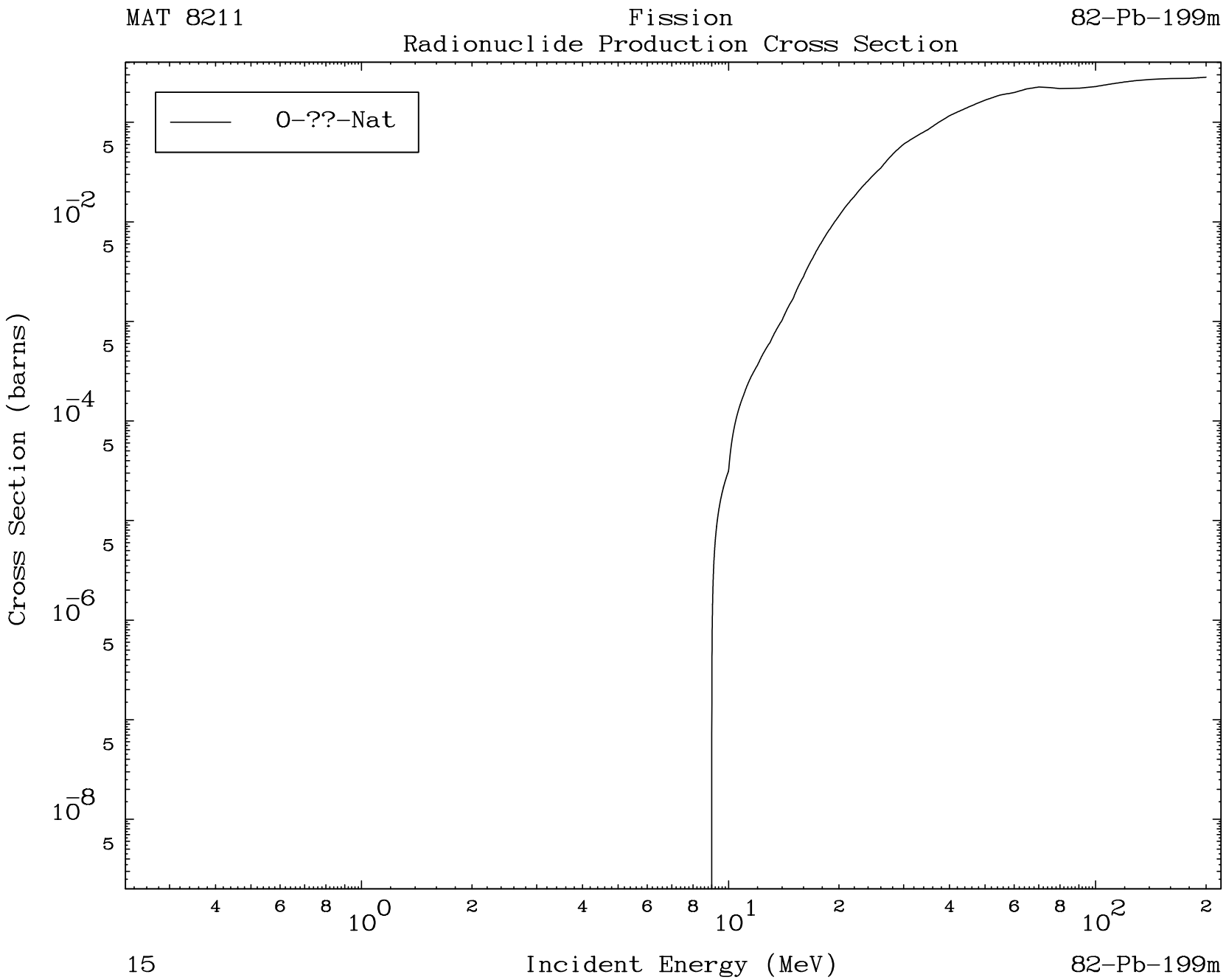

MAT 8211
(p,He3) Levels
82-Pb-199m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-199m

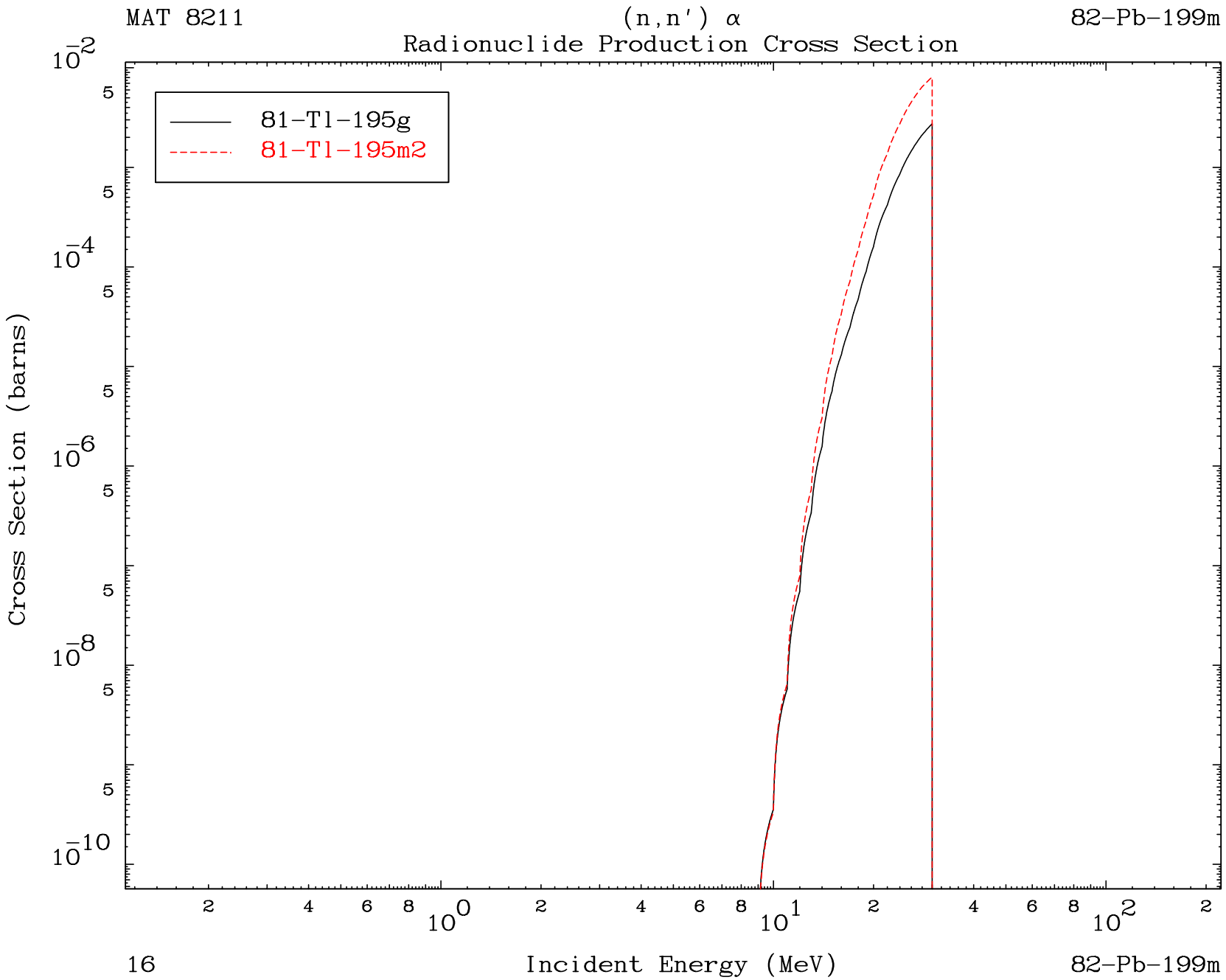

MAT 8211
(p,α) Levels
82-Pb-199m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
82-Pb-199m

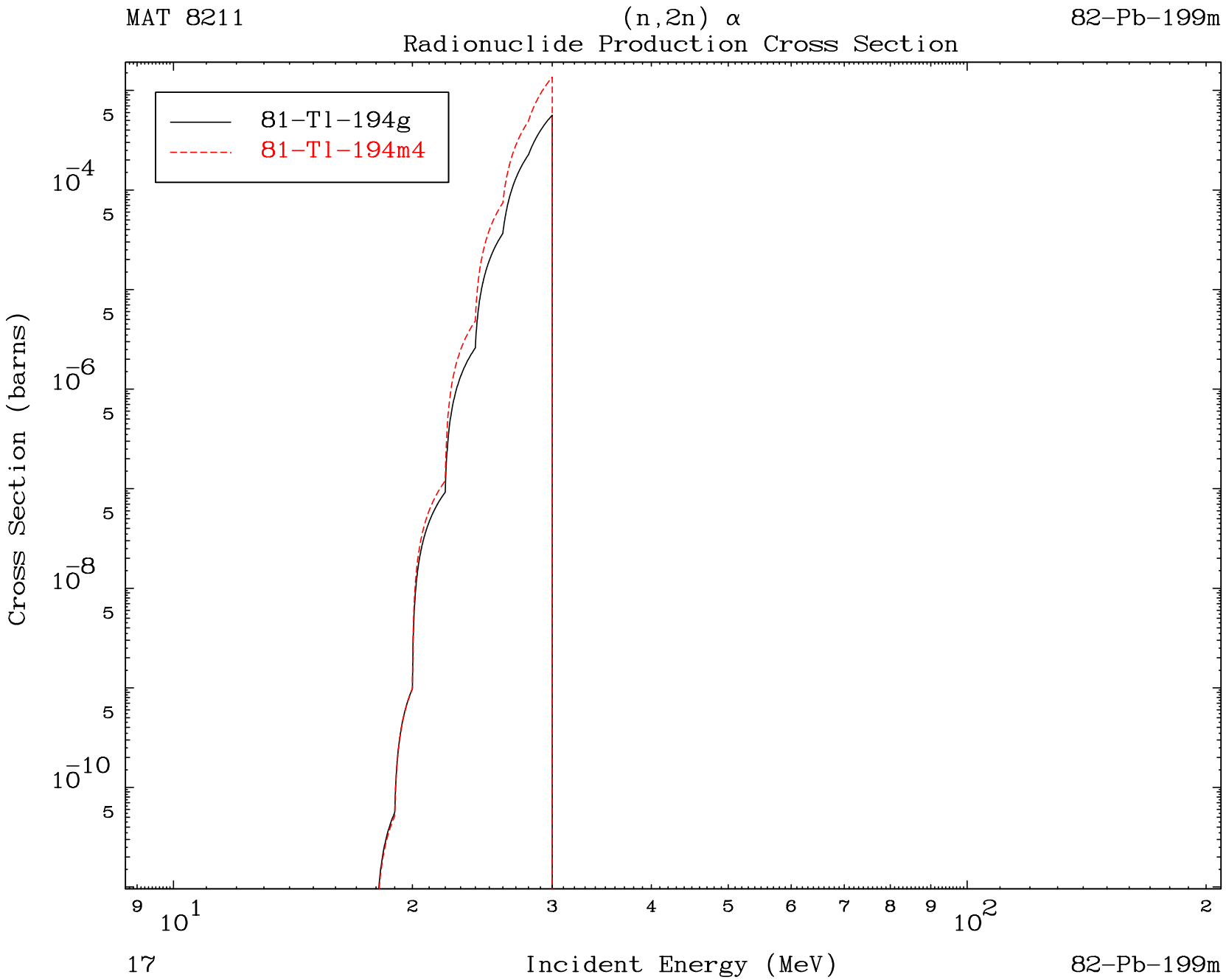

MAT 8211
Inelastic
82-Pb-199m
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
12
82-Pb-199m

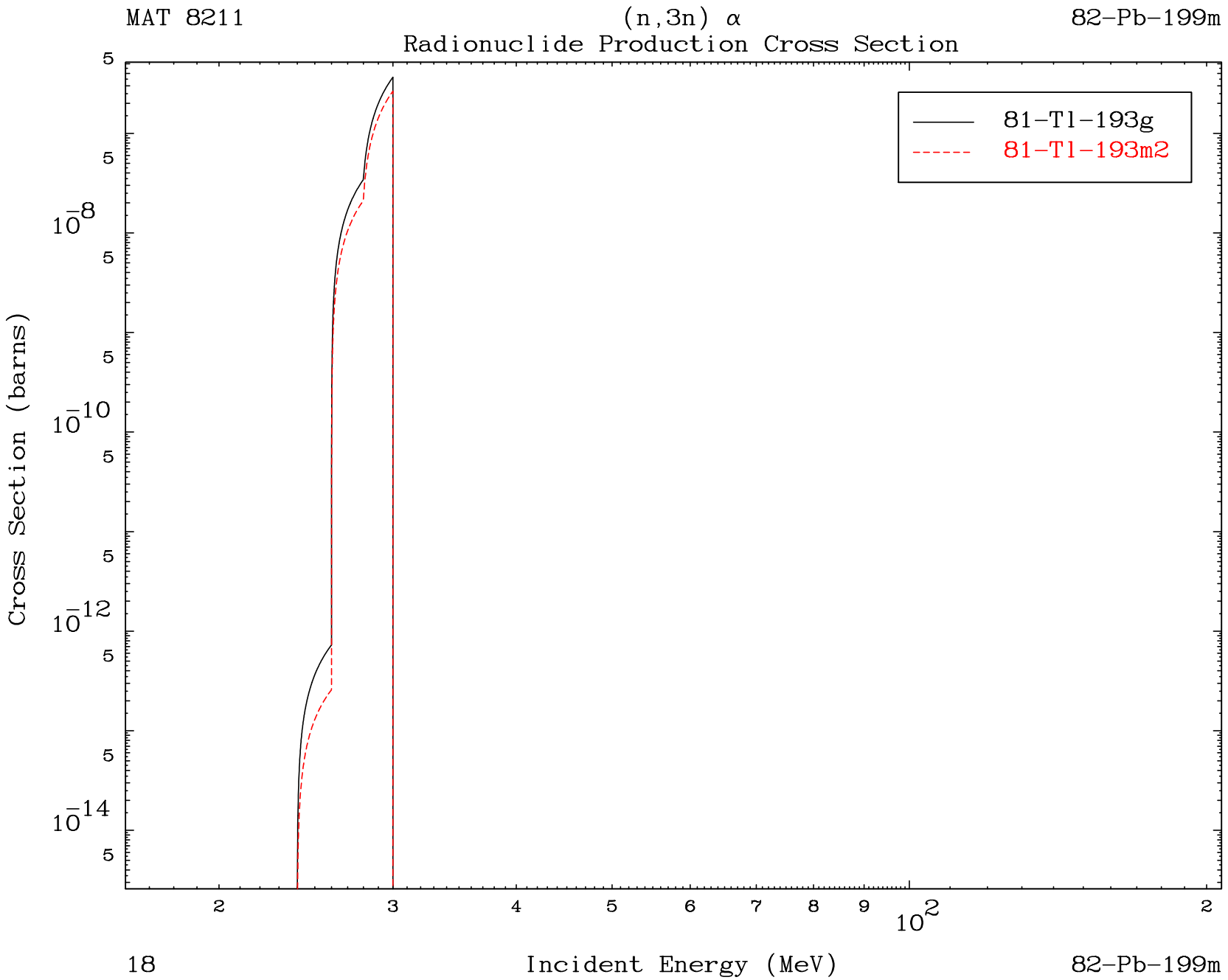

MAT 8211
(n,2n)
82-Pb-199m
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
82-Pb-199m

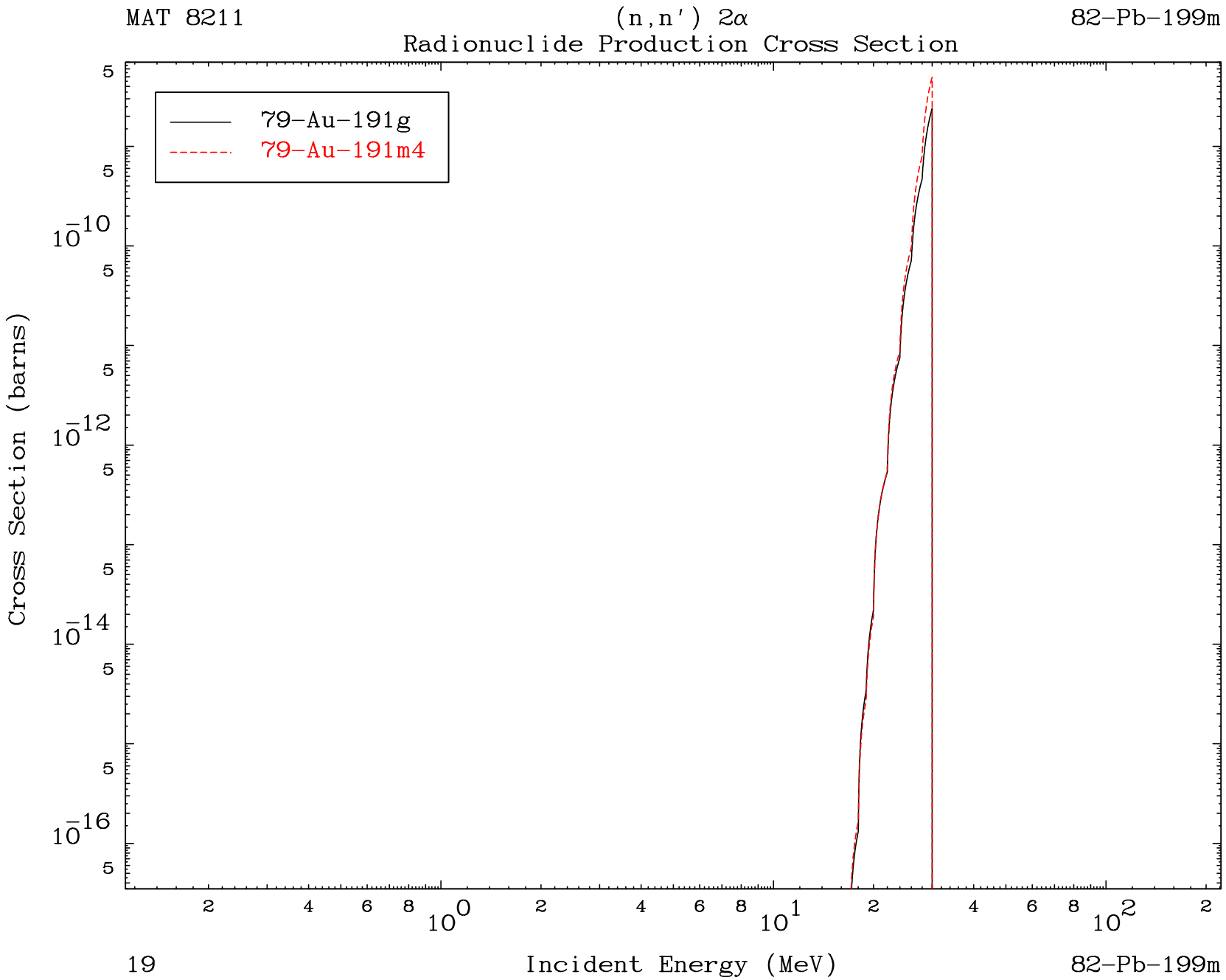

MAT 8211
(n,3n)
82-Pb-199m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
Incident Energy (MeV)
14
82-Pb-199m

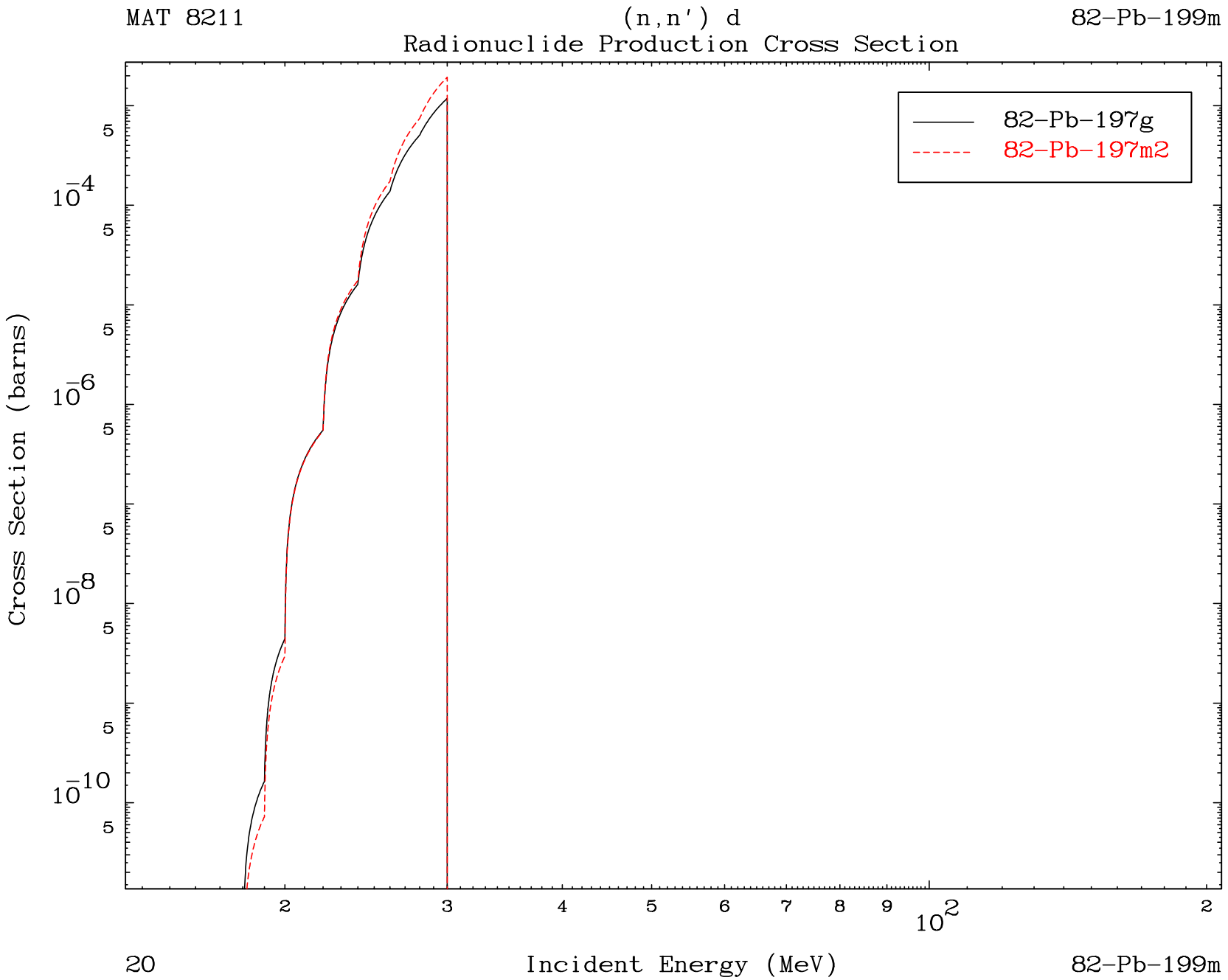

MAT 8211
Fission
82-Pb-199m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)

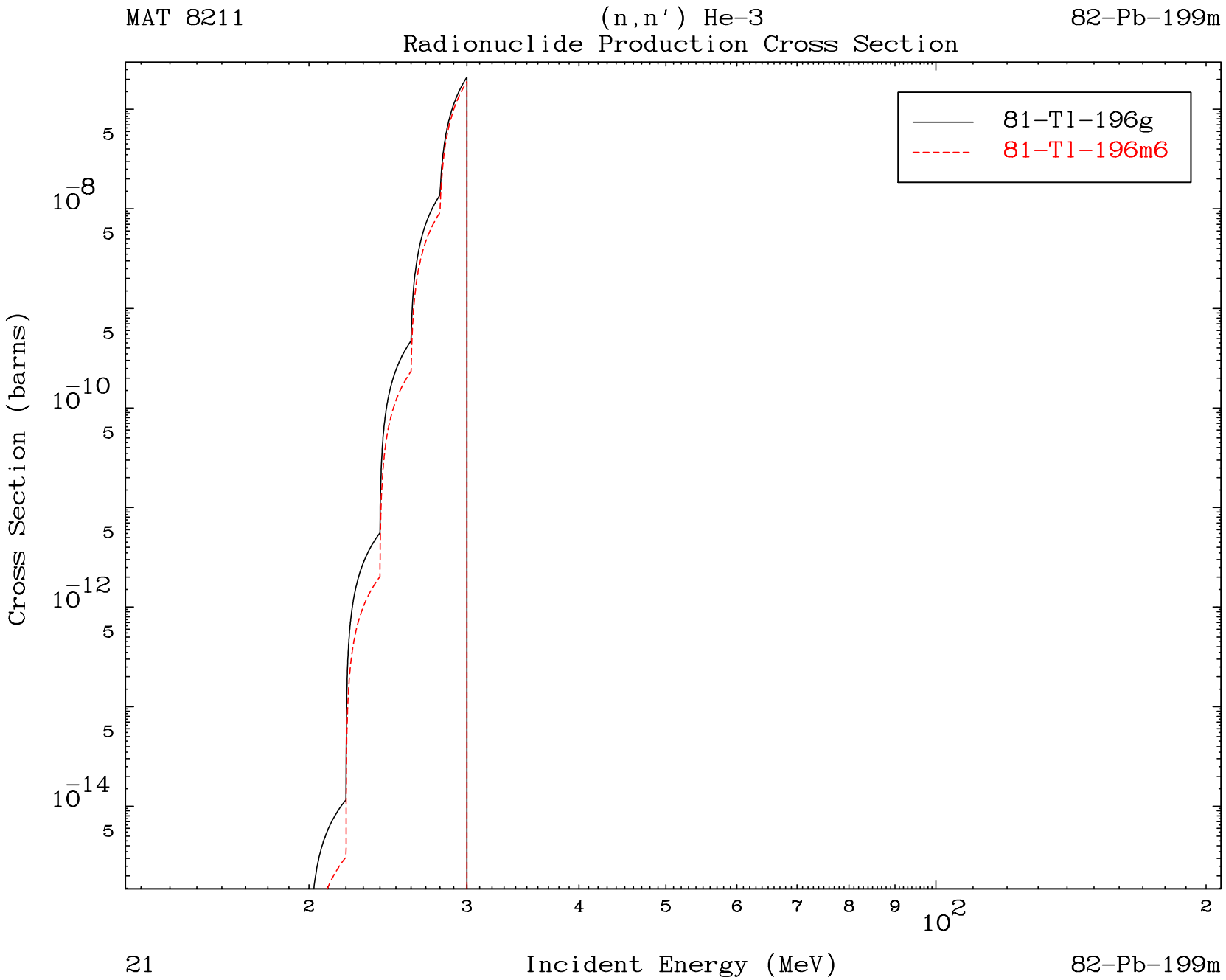

MAT 8211
(n,n') α
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
Incident Energy (MeV)
16
82-Pb-199m

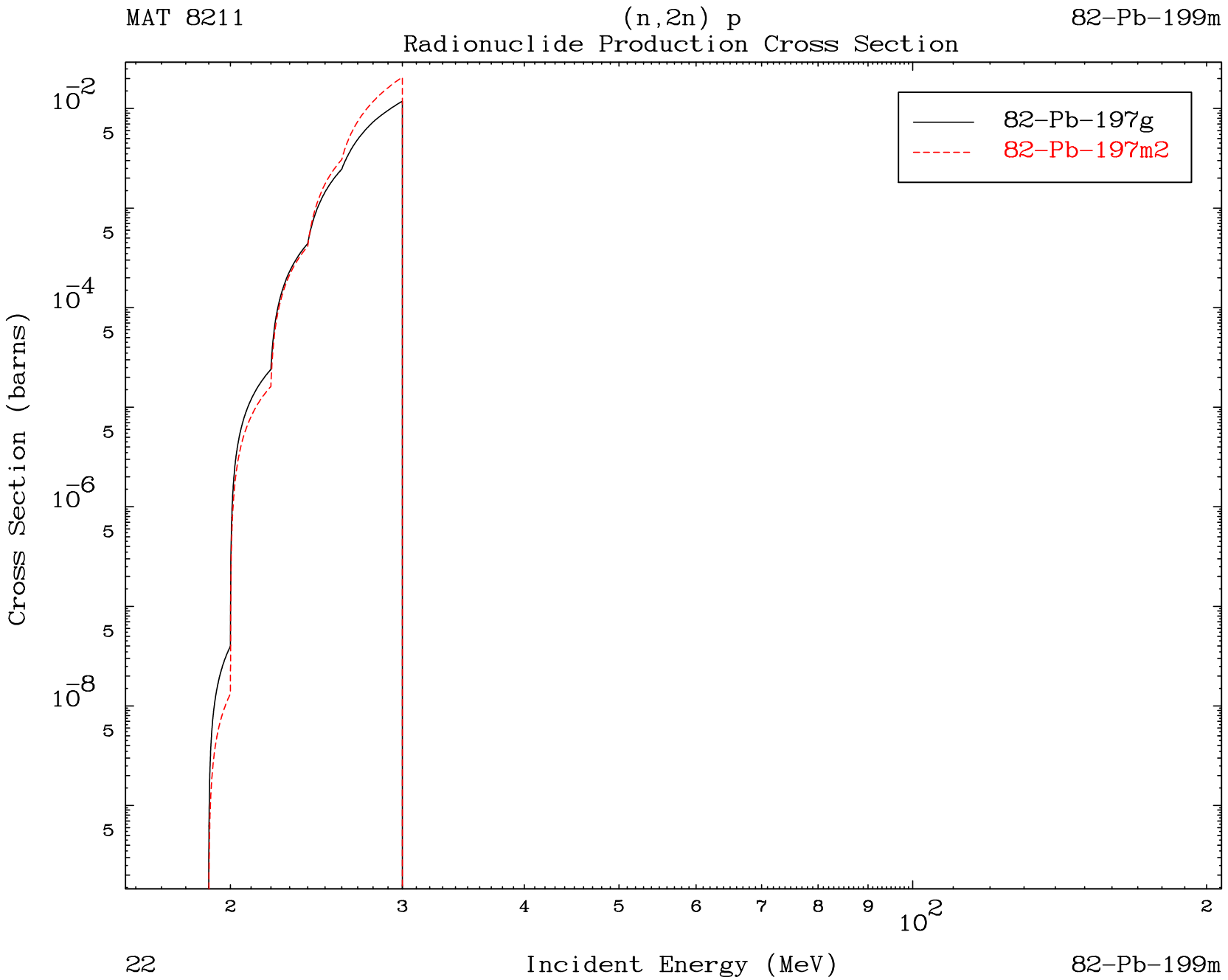

MAT 8211
(n,2n) α
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
10-4
10-6
10-8
10-10
9
10 1
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
82-Pb-199m

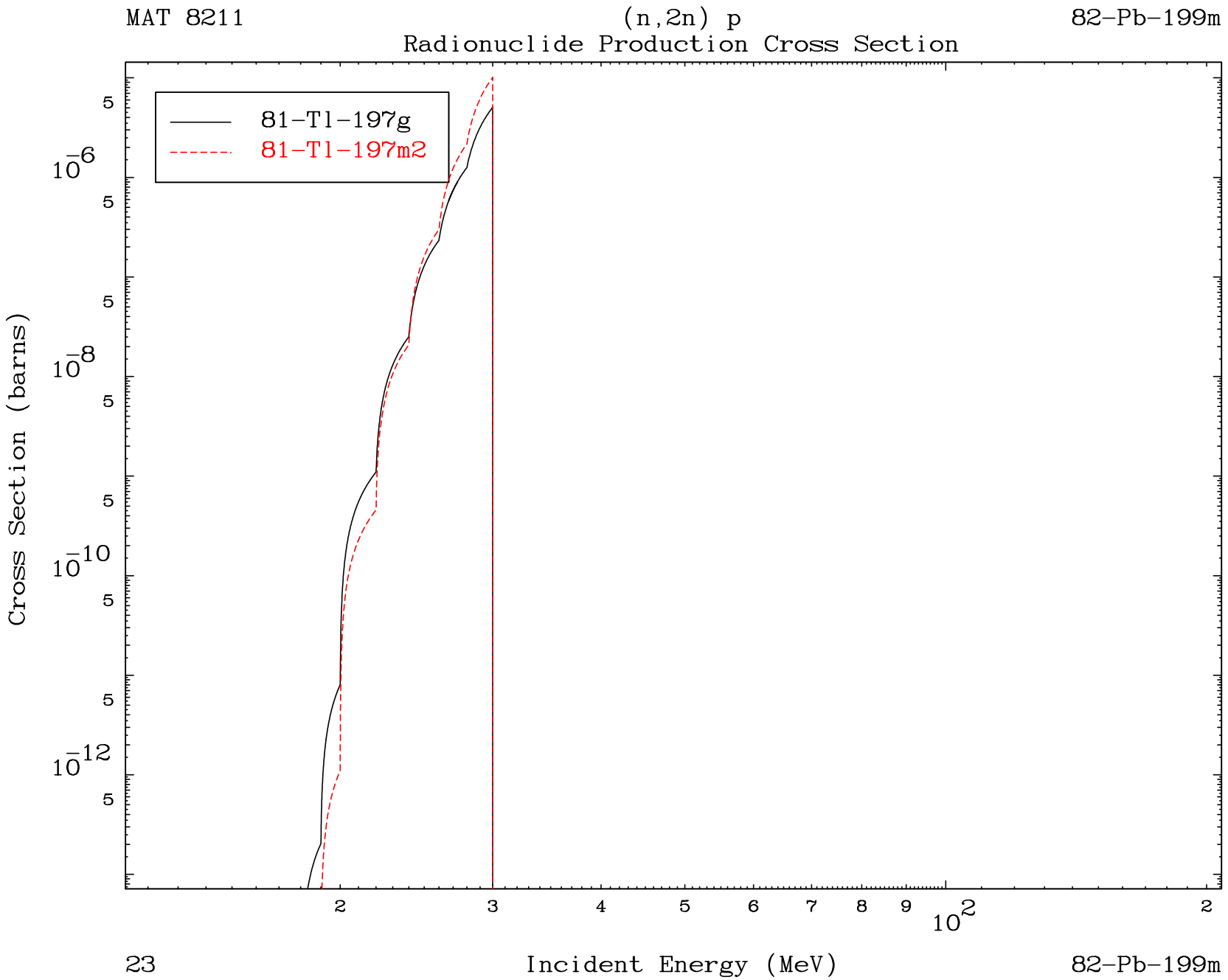

MAT 8211
(n,3n) α
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
Incident Energy (MeV)
18
82-Pb-199m

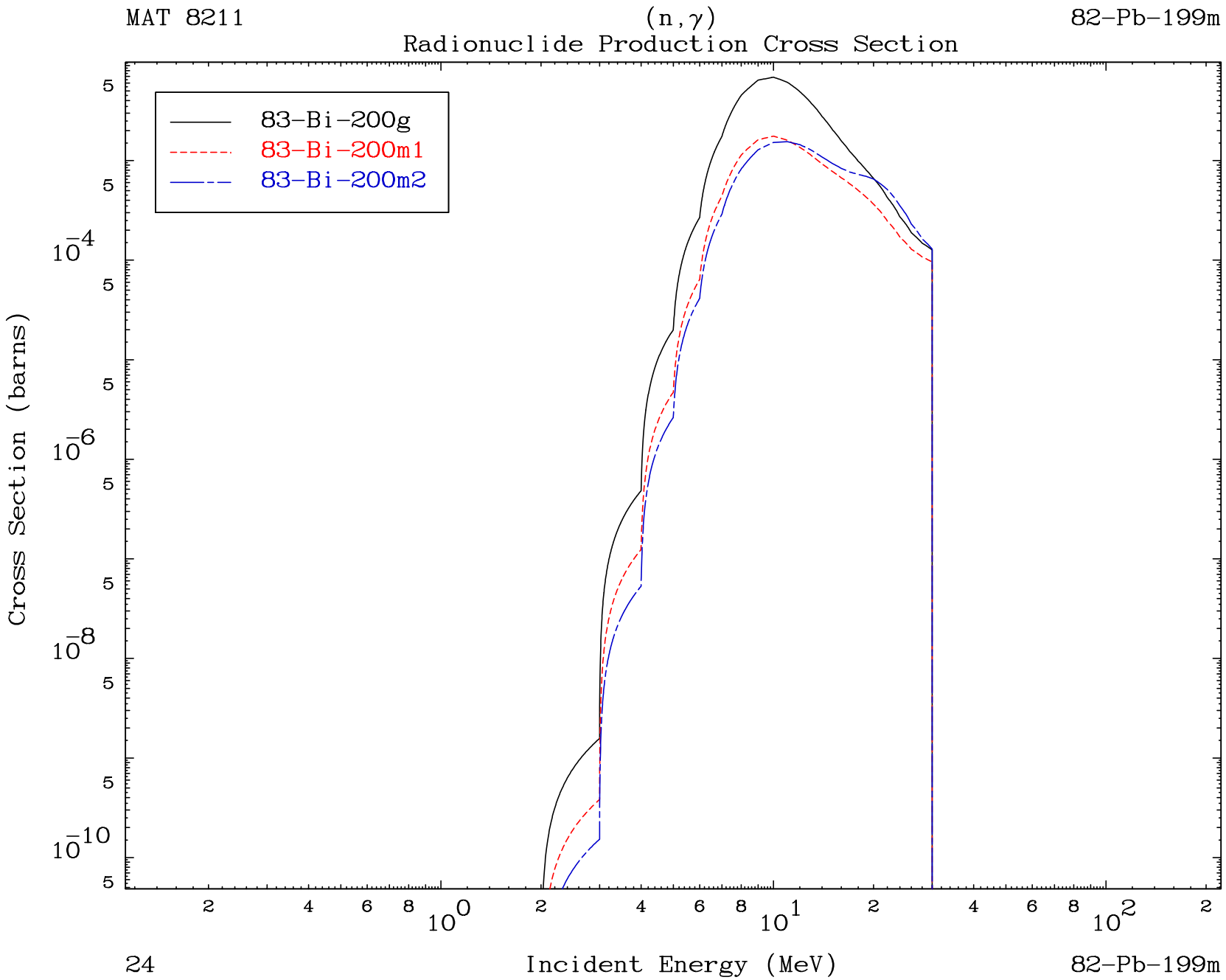

MAT 8211
(n,n') 2α
82-Pb-199m
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
Incident Energy (MeV)
19
82-Pb-199m

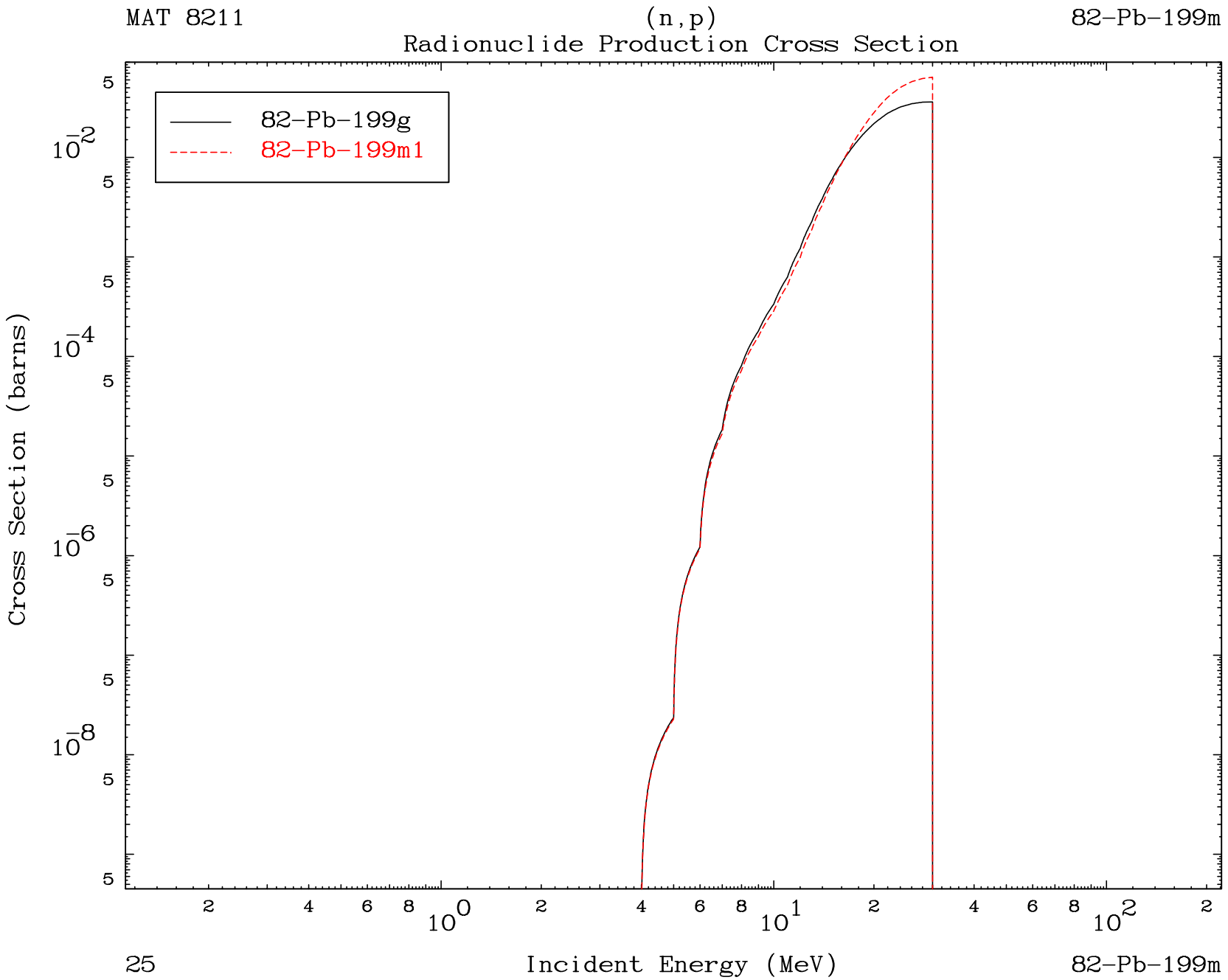

MAT 8211
(n,n') d
82-Pb-199m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
82-Pb-199m

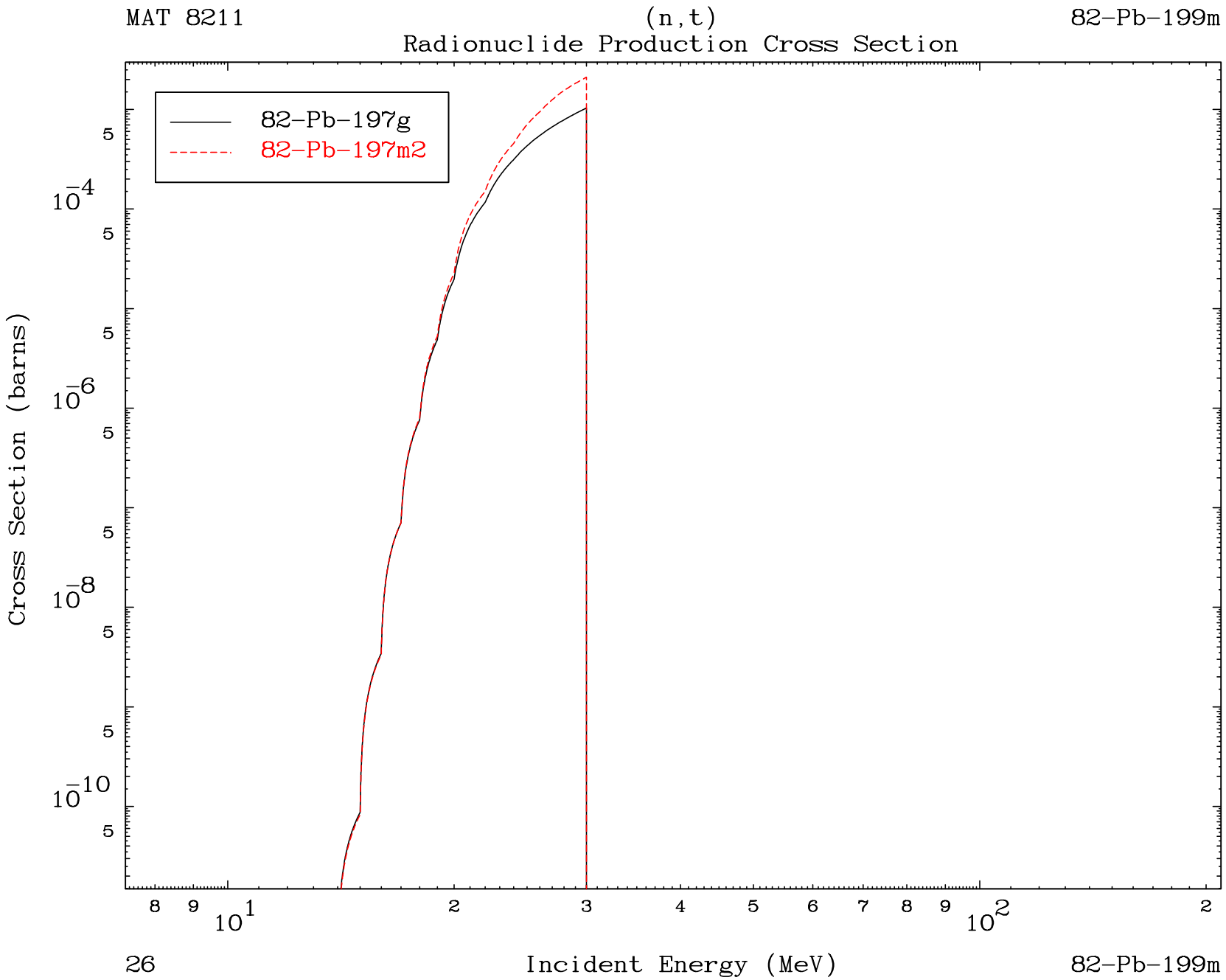

MAT 8211
(n,n') He-3
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
82-Pb-199m

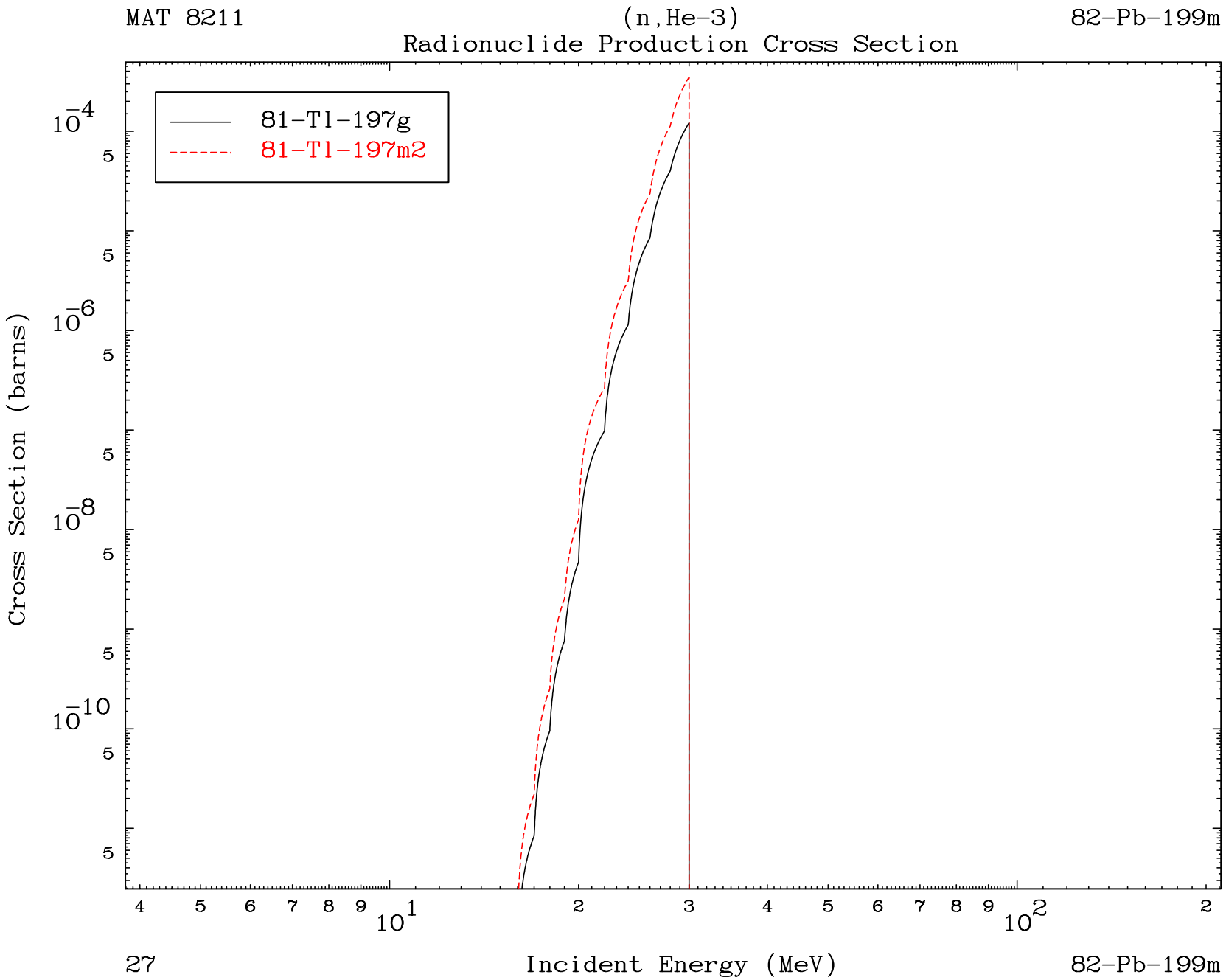

MAT 8211
(n,2n) p
82-Pb-199m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
82-Pb-199m

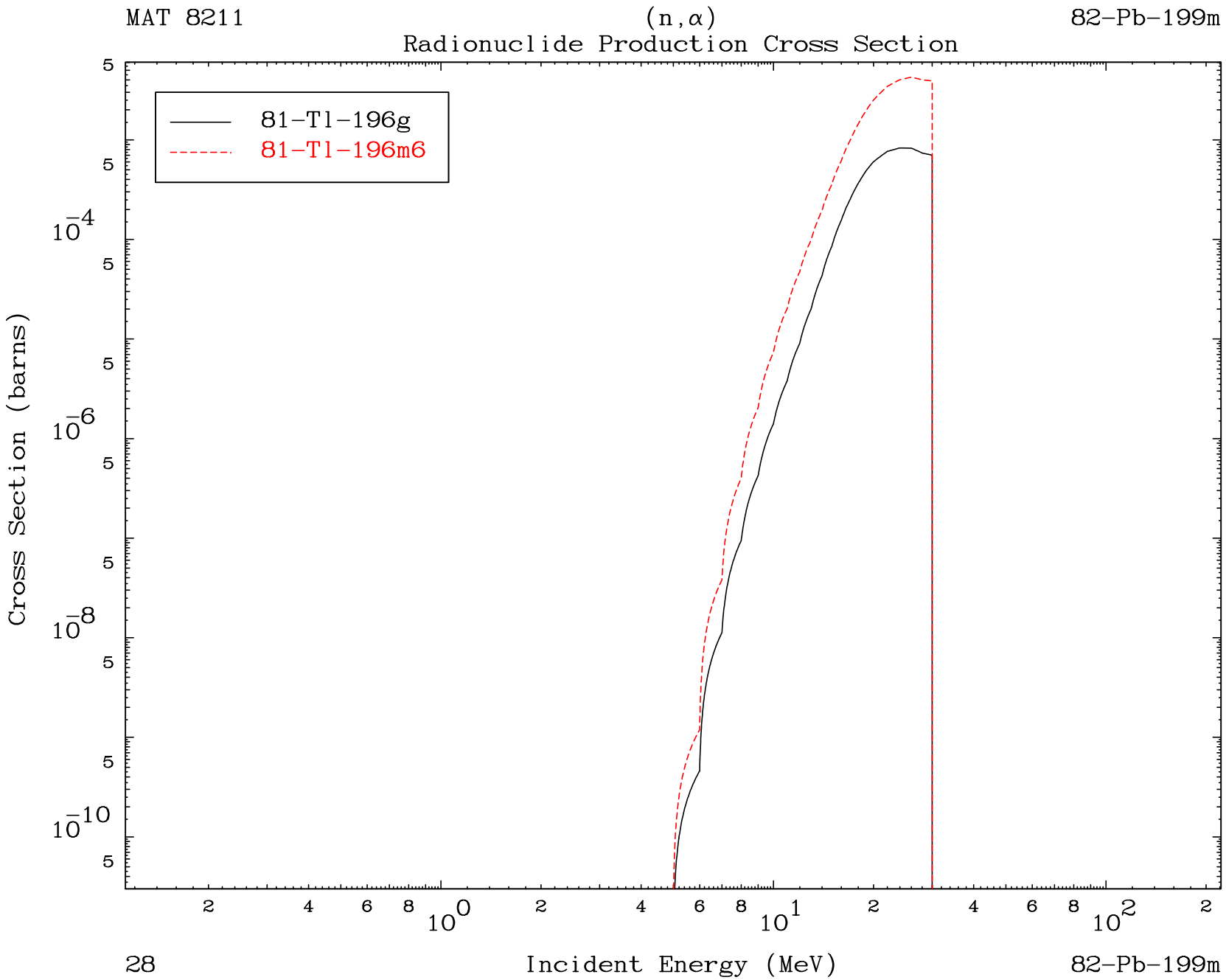

MAT 8211
(n,2n) p
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
82-Pb-199m

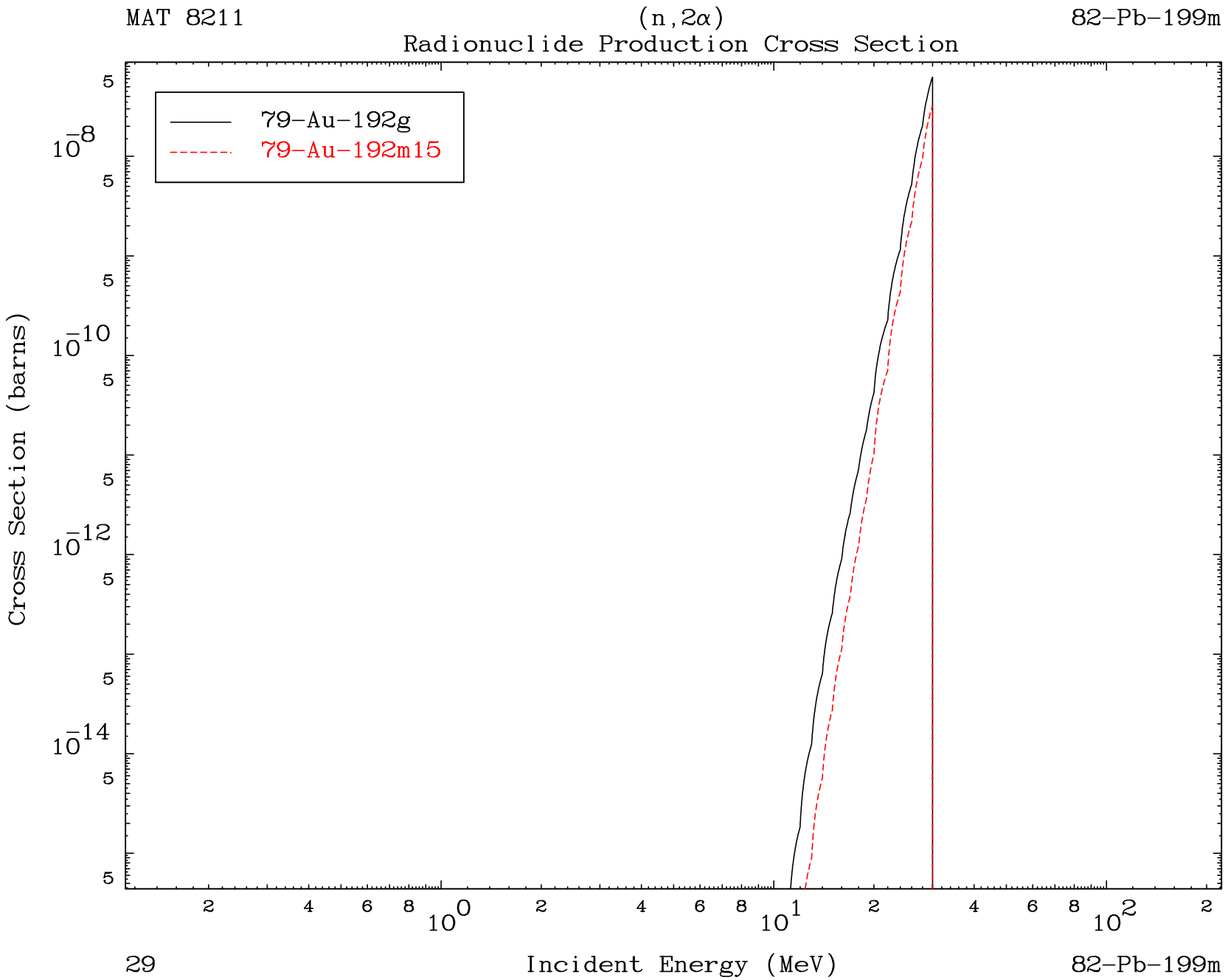

MAT 8211
(n,γ)
82-Pb-199m
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
24
82-Pb-199m

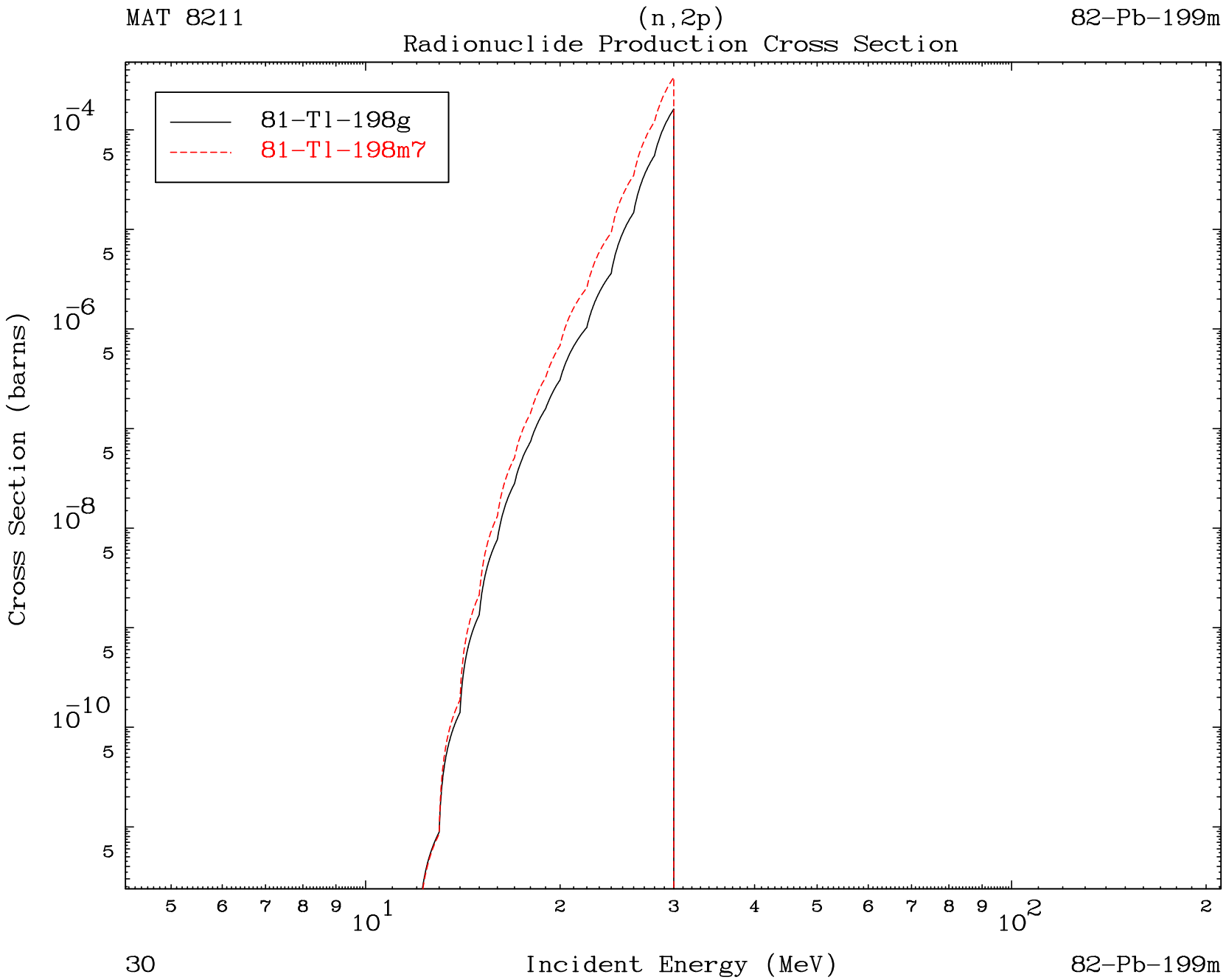

MAT 8211
(n,p)
82-Pb-199m
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
25
82-Pb-199m

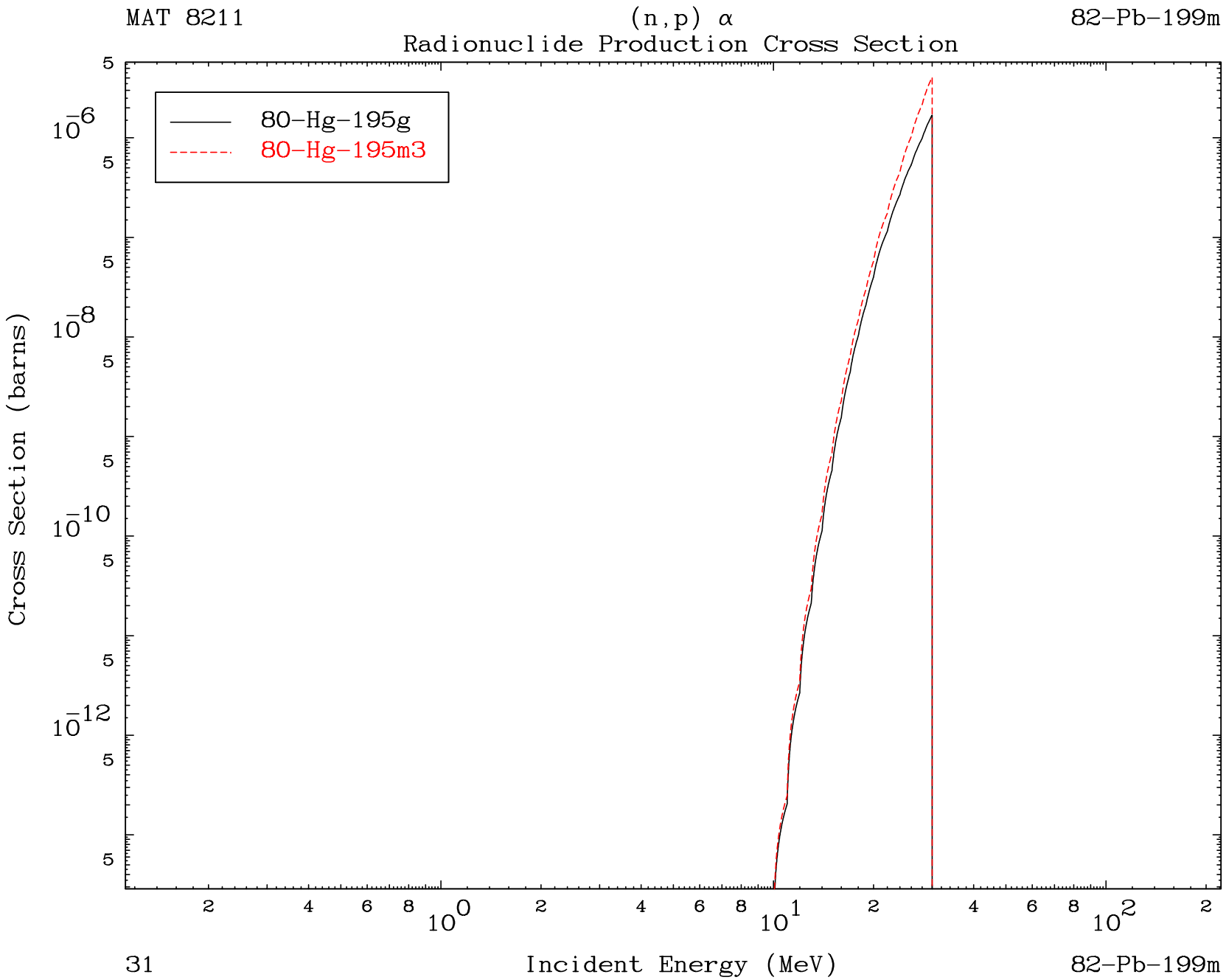

MAT 8211
(n,t)
82-Pb-199m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
Incident Energy (MeV)
26
82-Pb-199m

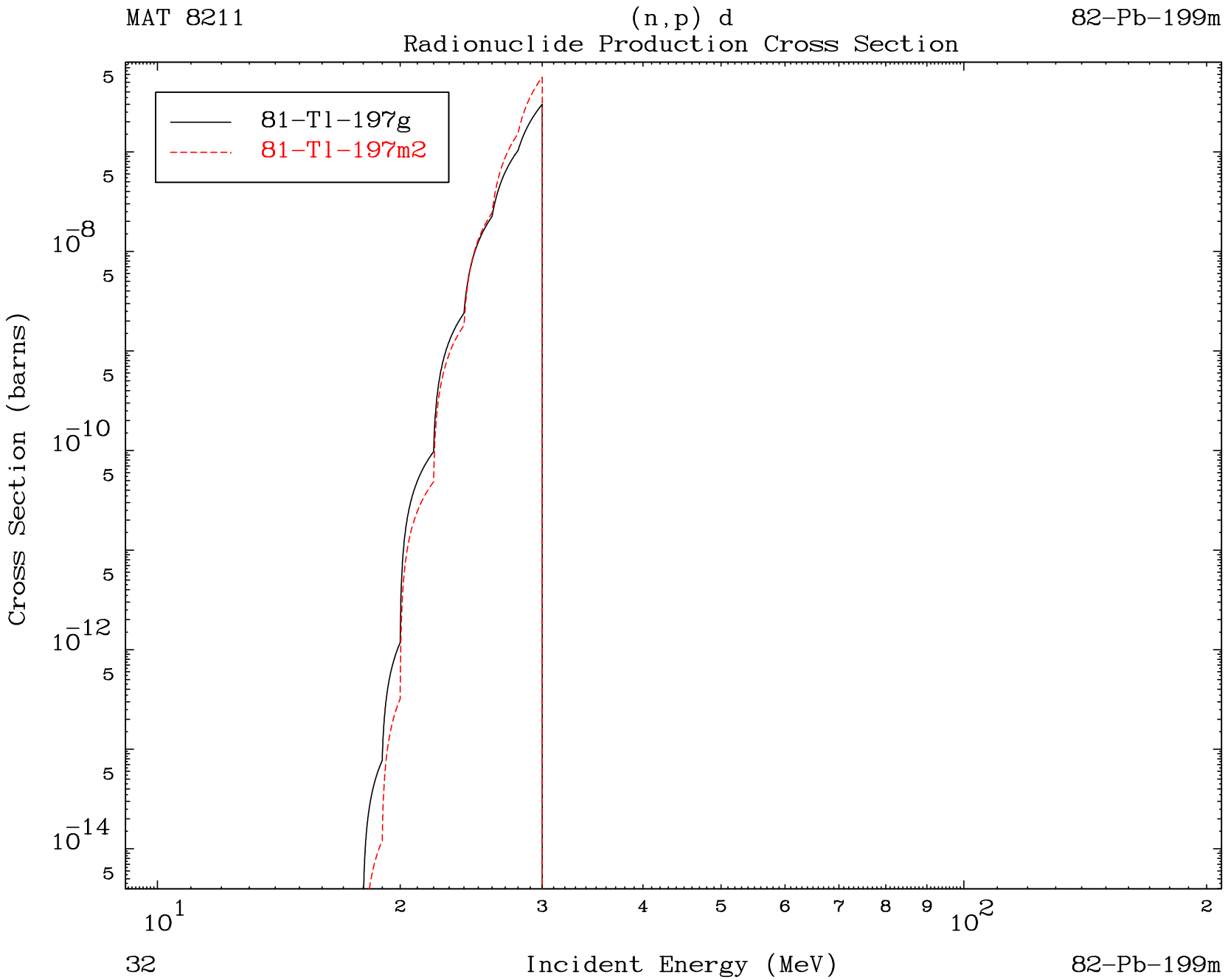

MAT 8211
(n,He-3)
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
27
82-Pb-199m

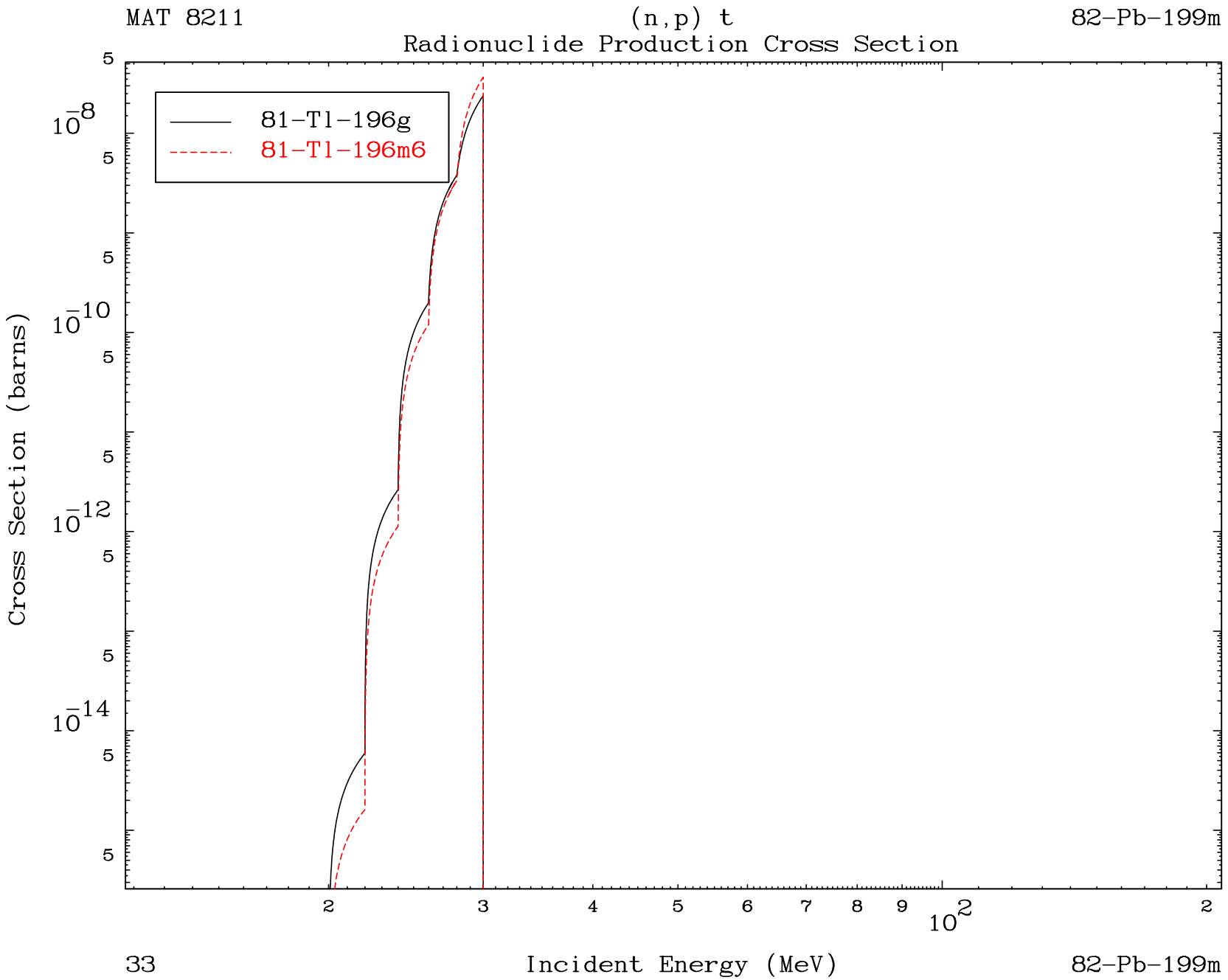

MAT 8211
(n,α)
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
28
82-Pb-199m


MAT 8211
(n,2α)
82-Pb-199m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
Incident Energy (MeV)
29
82-Pb-199m


MAT 8211
(n,2p)
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
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
30
Incident Energy (MeV)
82-Pb-199m


MAT 8211
(n,p) α
82-Pb-199m
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
31
82-Pb-199m


MAT 8211
(n,p) d
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
32
82-Pb-199m


MAT 8211
(n,p) t
82-Pb-199m
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
33
82-Pb-199m