Program EVALPLOT
(Version 2018-1)
by
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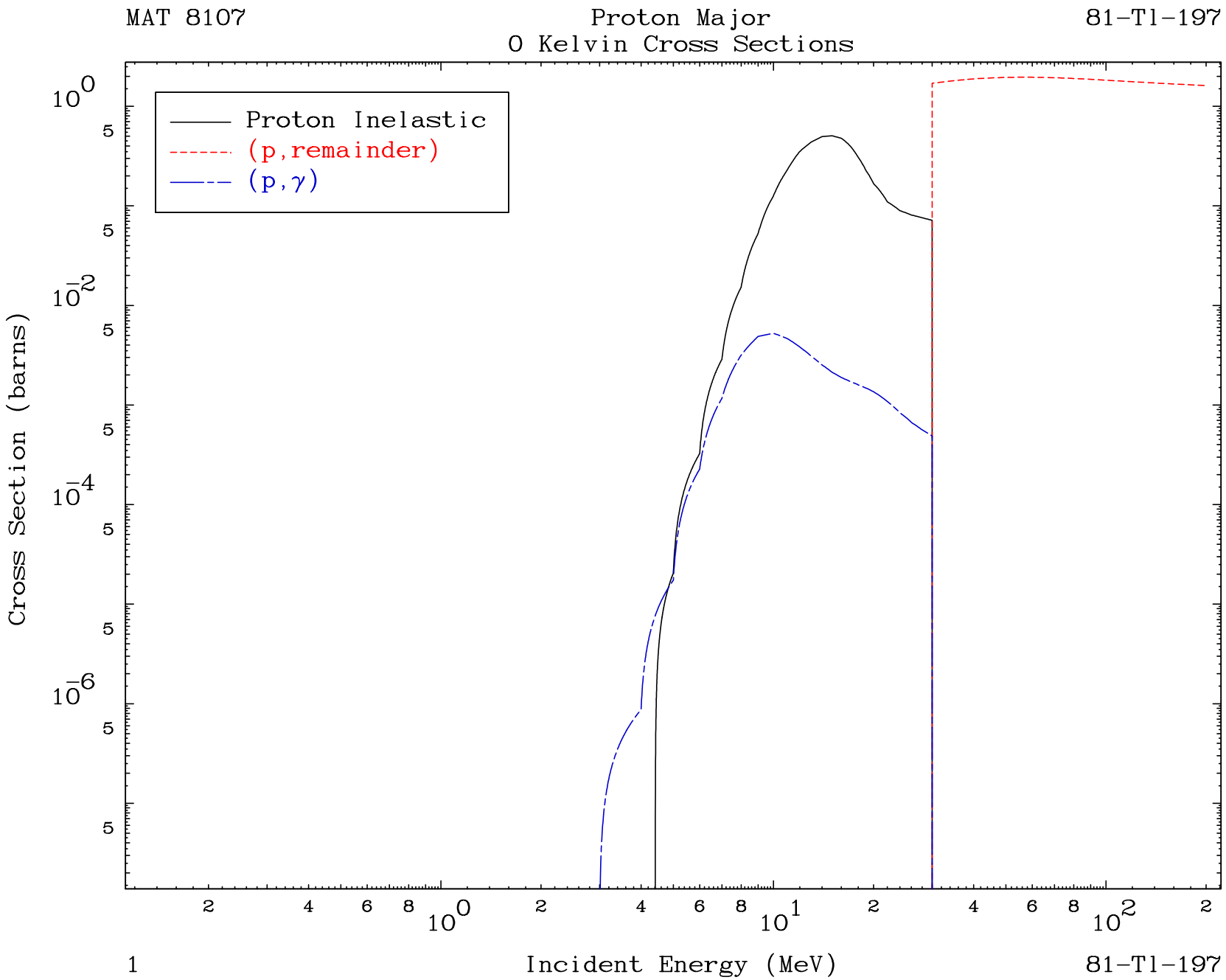
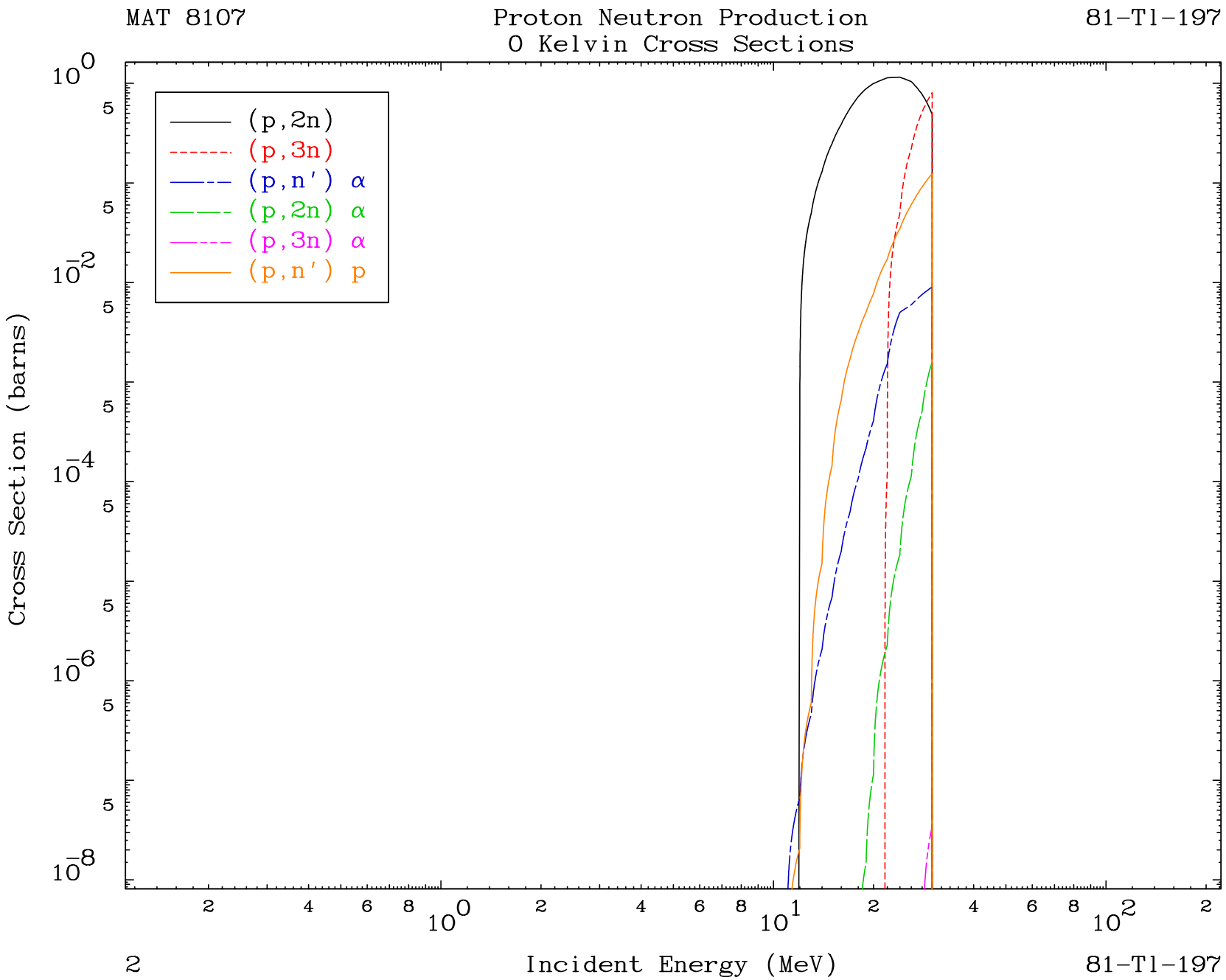
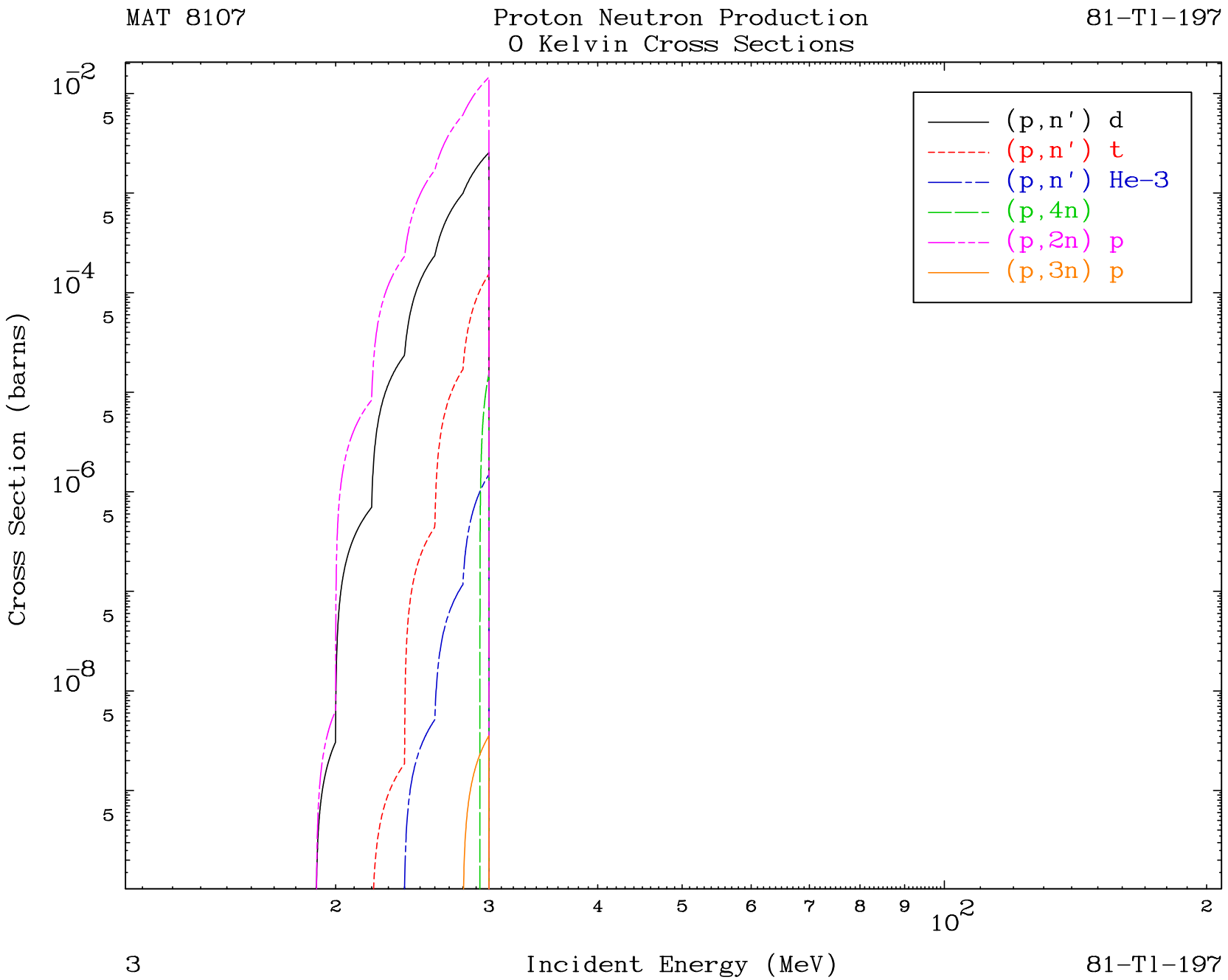
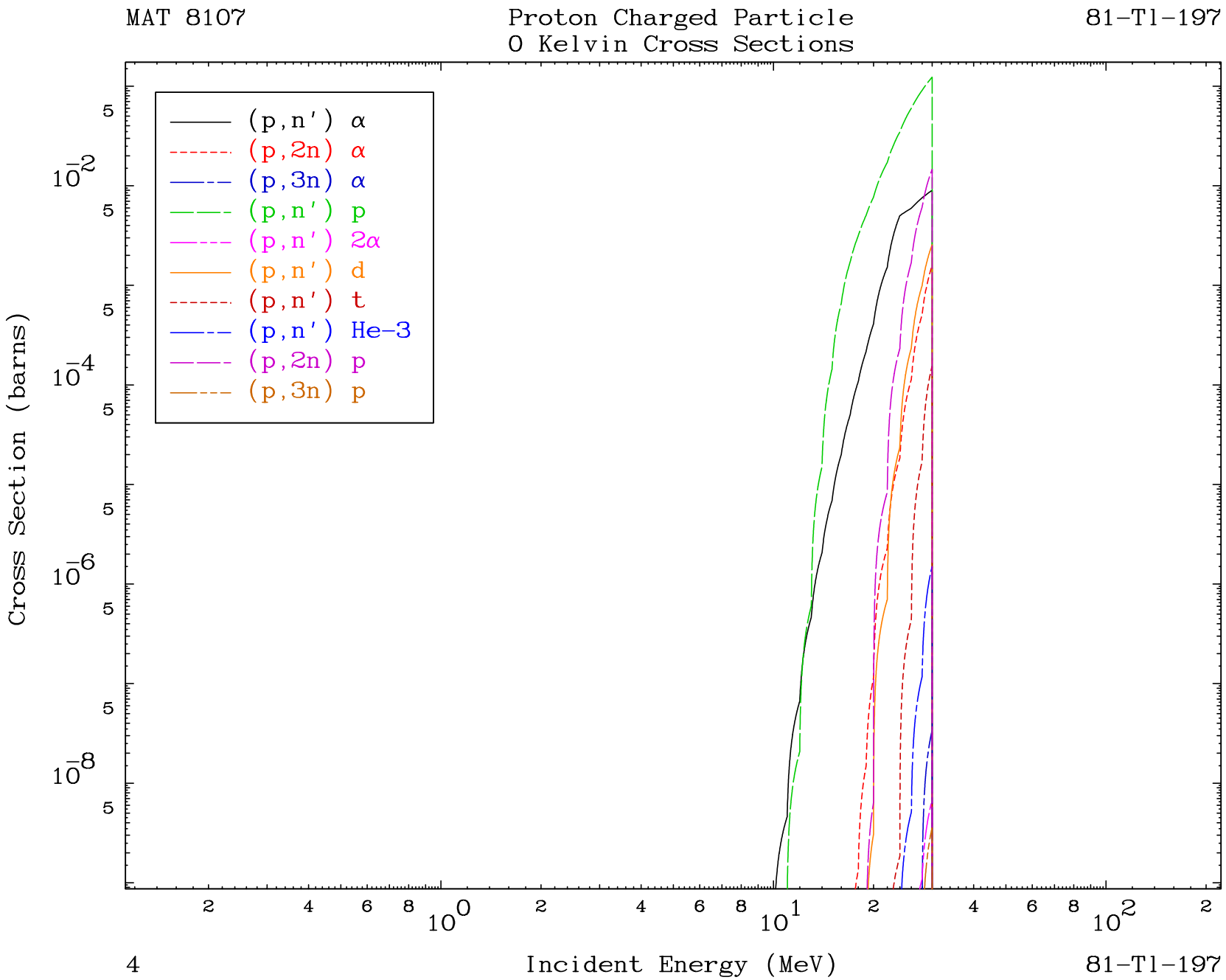
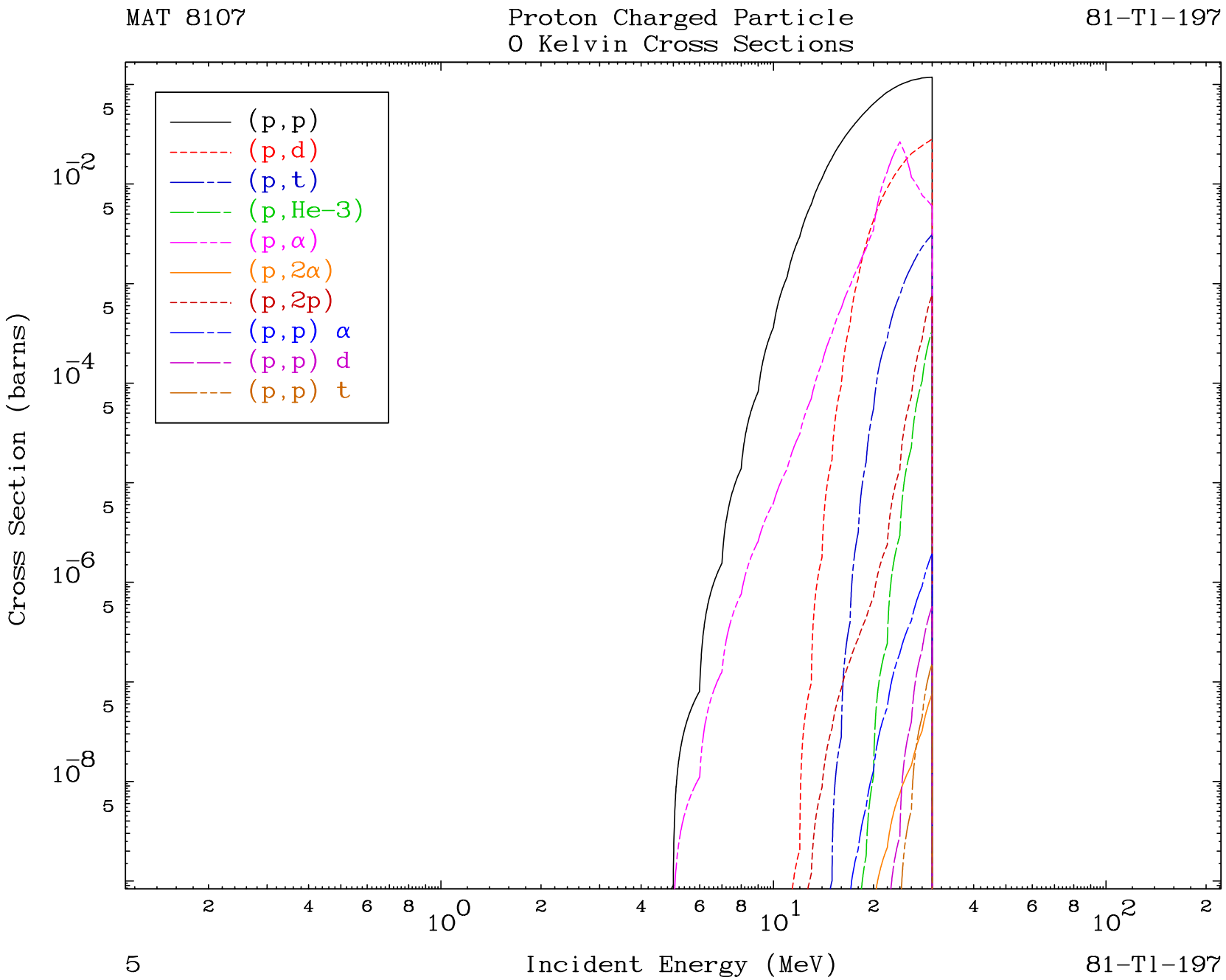
Press Mouse Button to Start

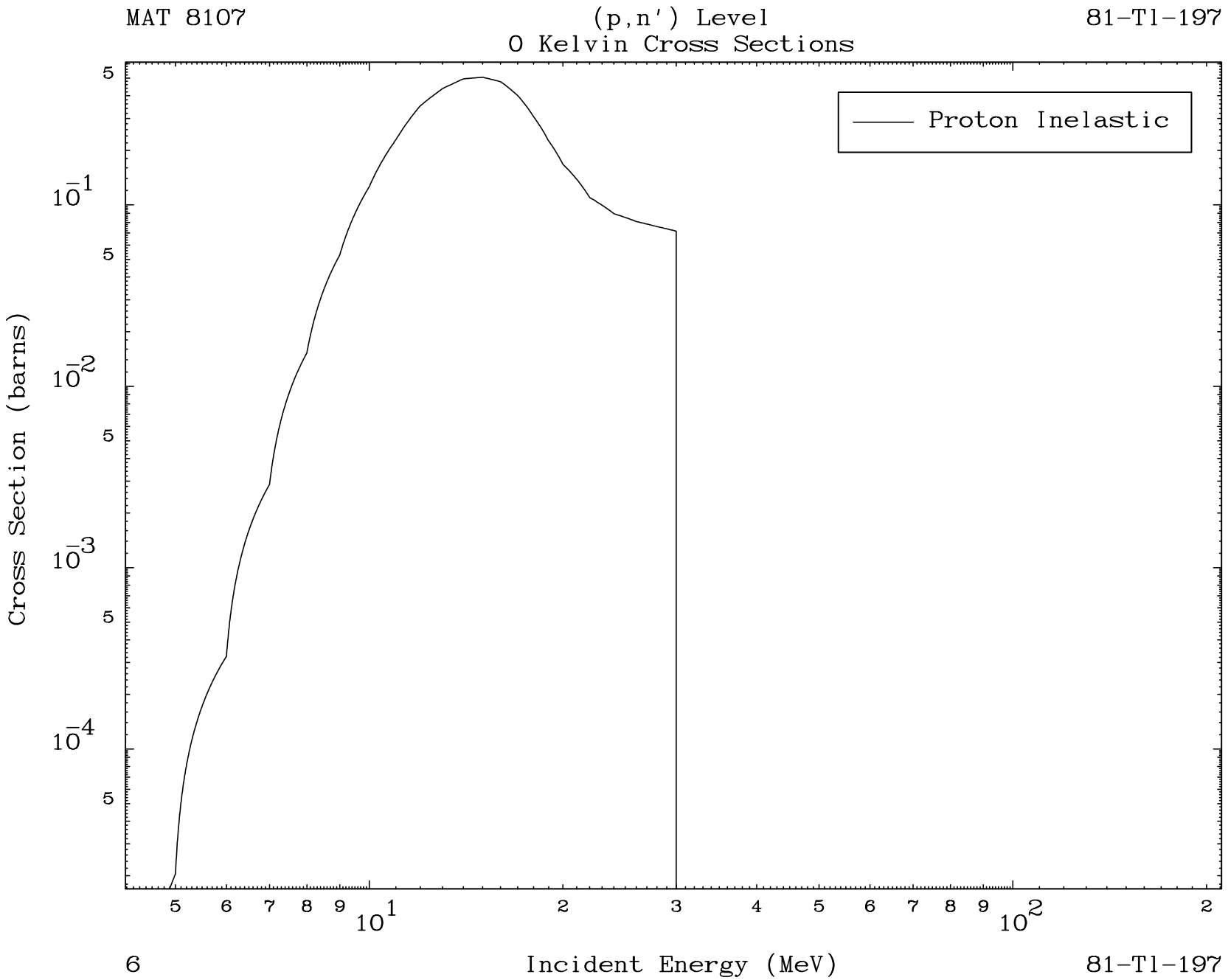

MAT 8107
Proton Major
81-Tl-197
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-197
1

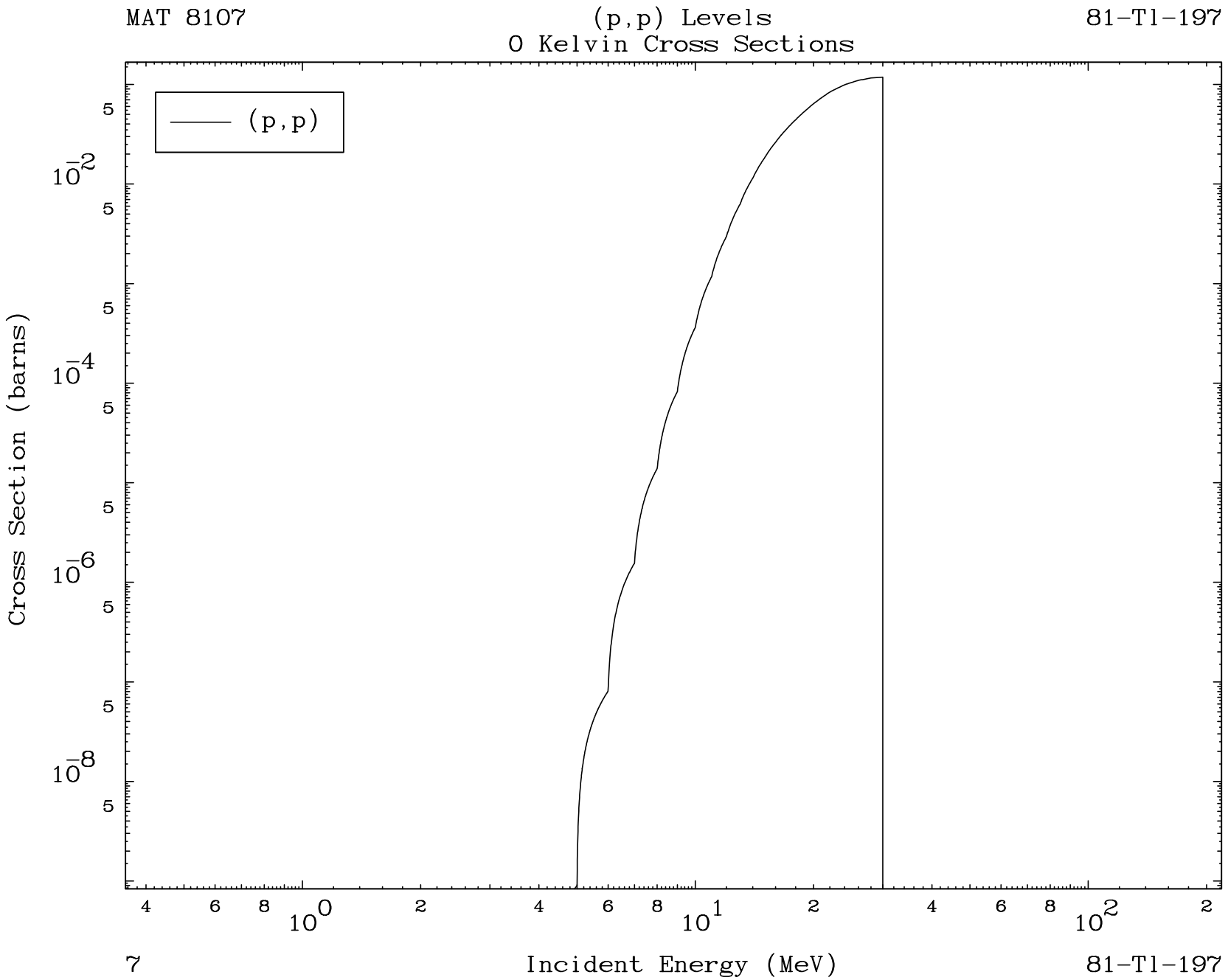

MAT 8107
Proton Neutron Production
0 Kelvin Cross Sections
81-Tl-197
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
81-Tl-197

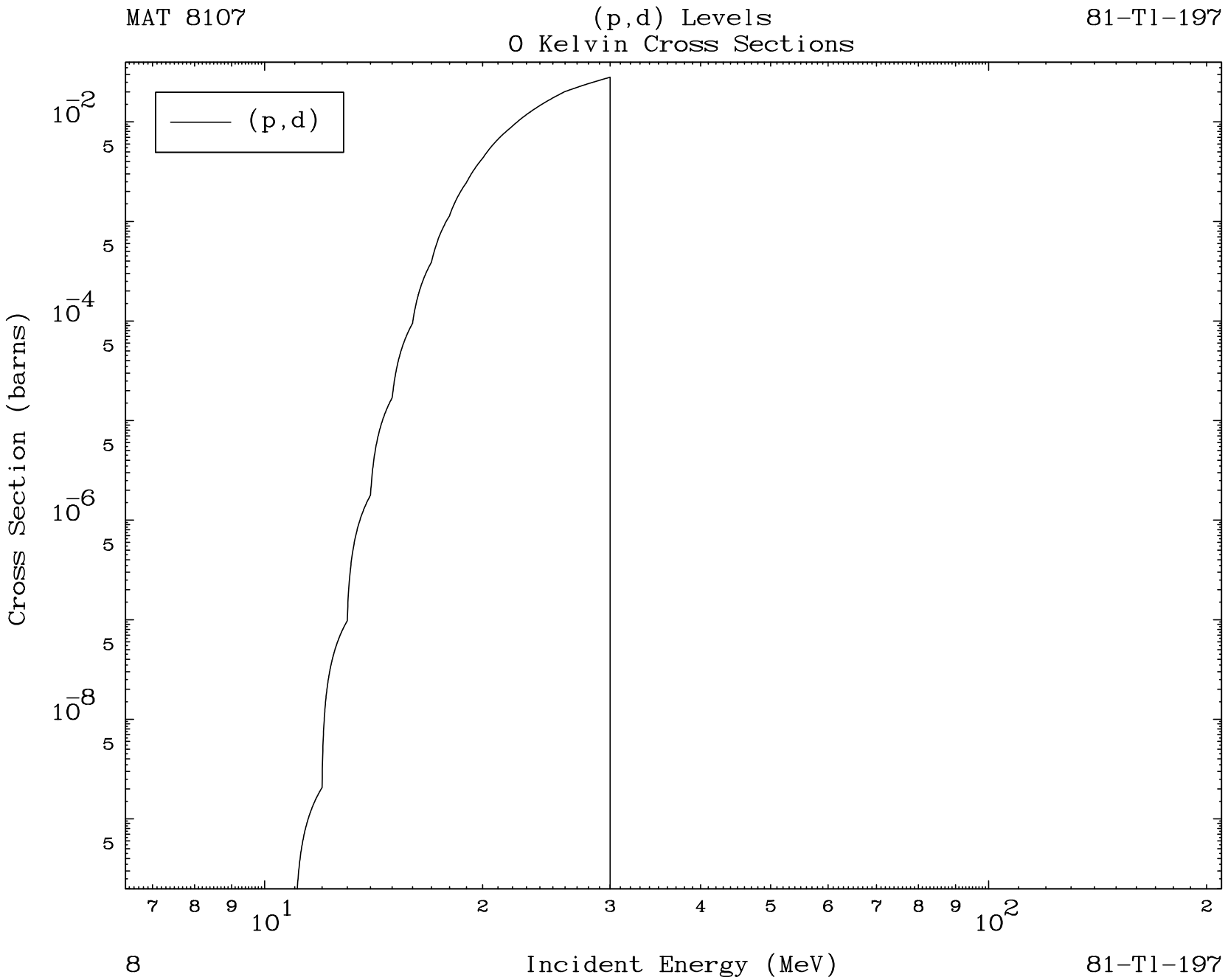

MAT 8107
Proton Neutron Production
0 Kelvin Cross Sections
81-Tl-197
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
2
3
4
5
6
7
8
9
10 2
2
3
Incident Energy (MeV)
81-Tl-197

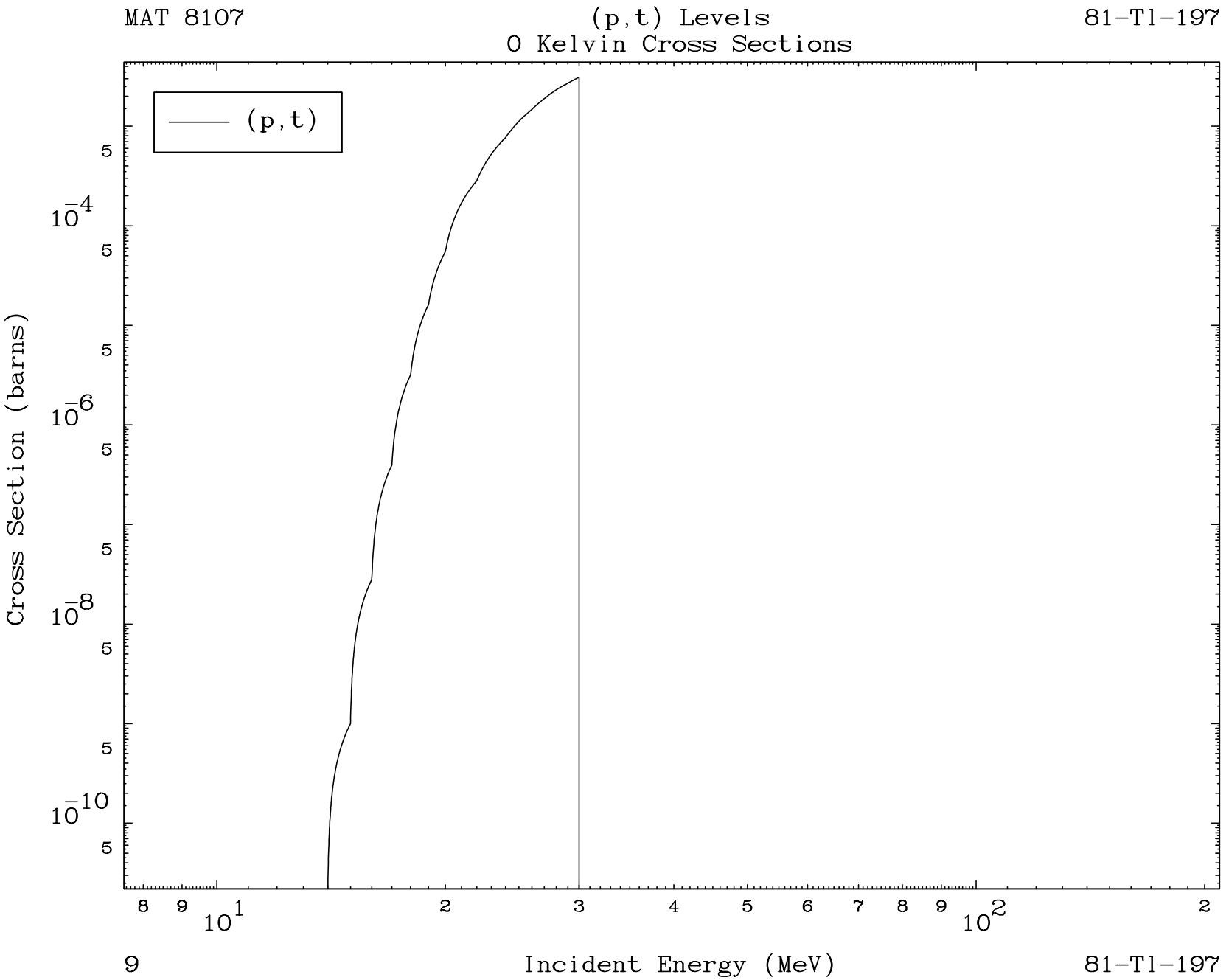

MAT 8107
Proton Charged Particle
0 Kelvin Cross Sections
81-Tl-197
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
81-Tl-197

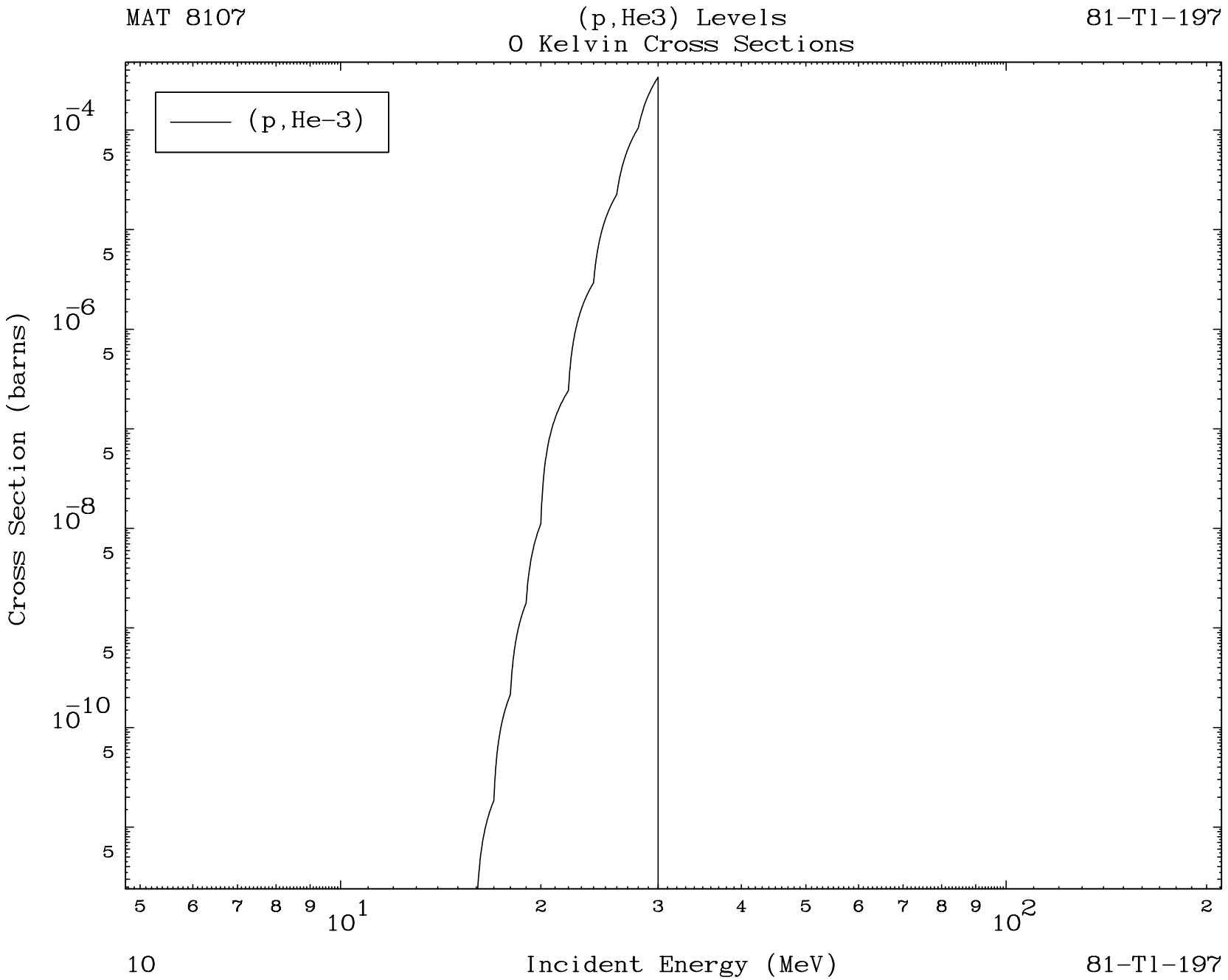

MAT 8107
Proton Charged Particle
0 Kelvin Cross Sections
81-Tl-197
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
5
81-Tl-197

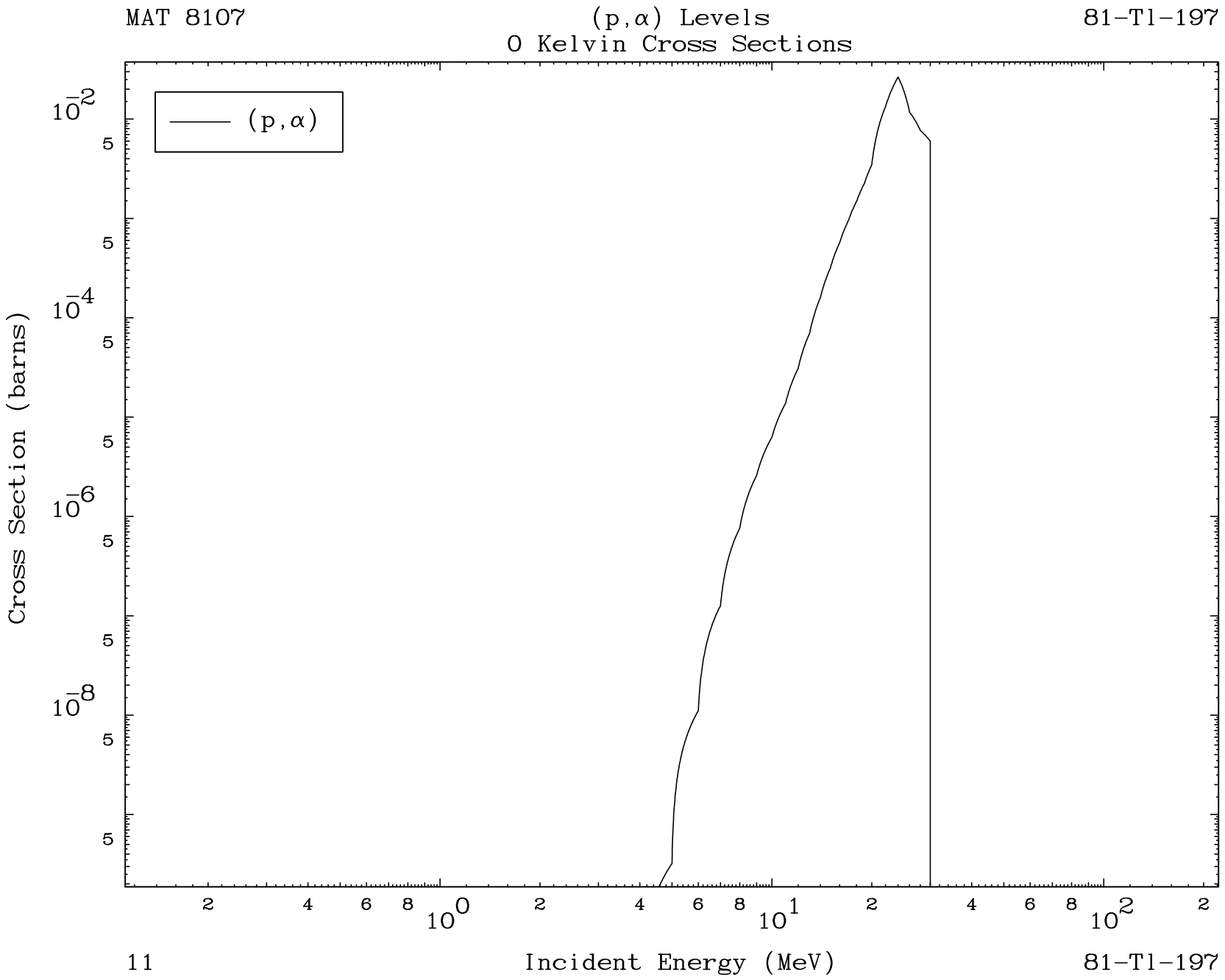

MAT 8107
(p,n') Level
81-Tl-197
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
81-Tl-197

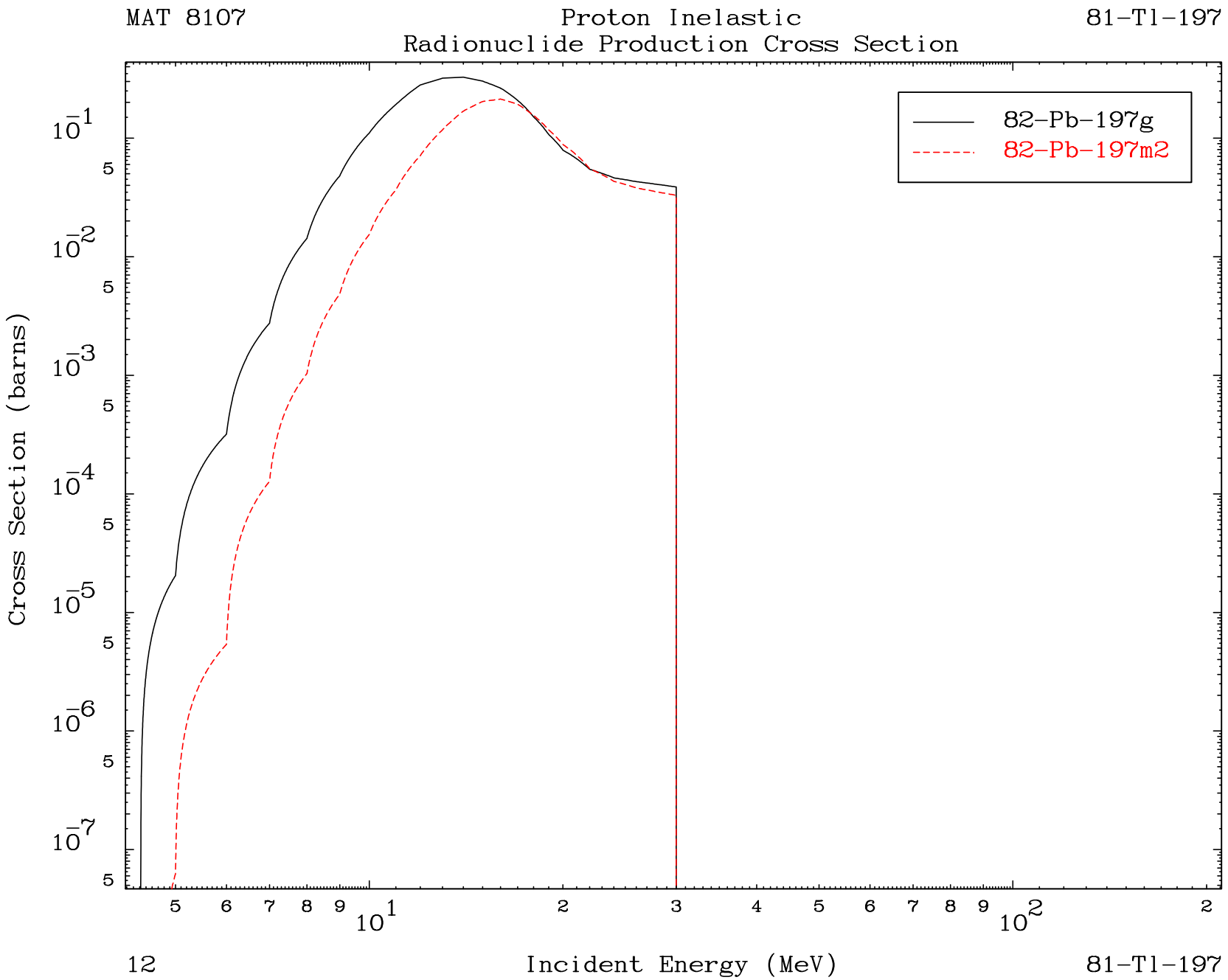

MAT 8107
(p,p) Levels
81-Tl-197
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
7
81-Tl-197

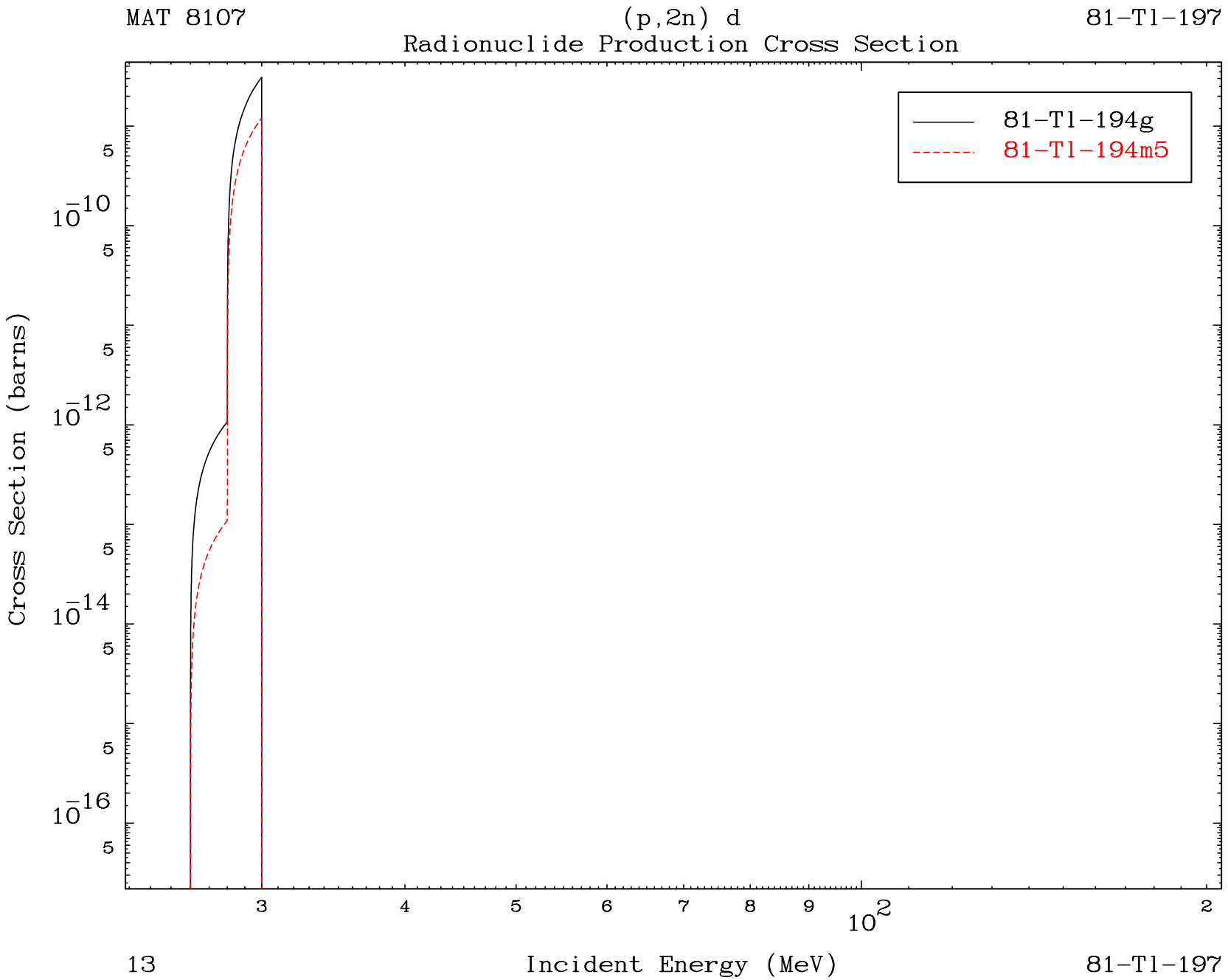

MAT 8107
(p,d) Levels
81-Tl-197
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
81-Tl-197

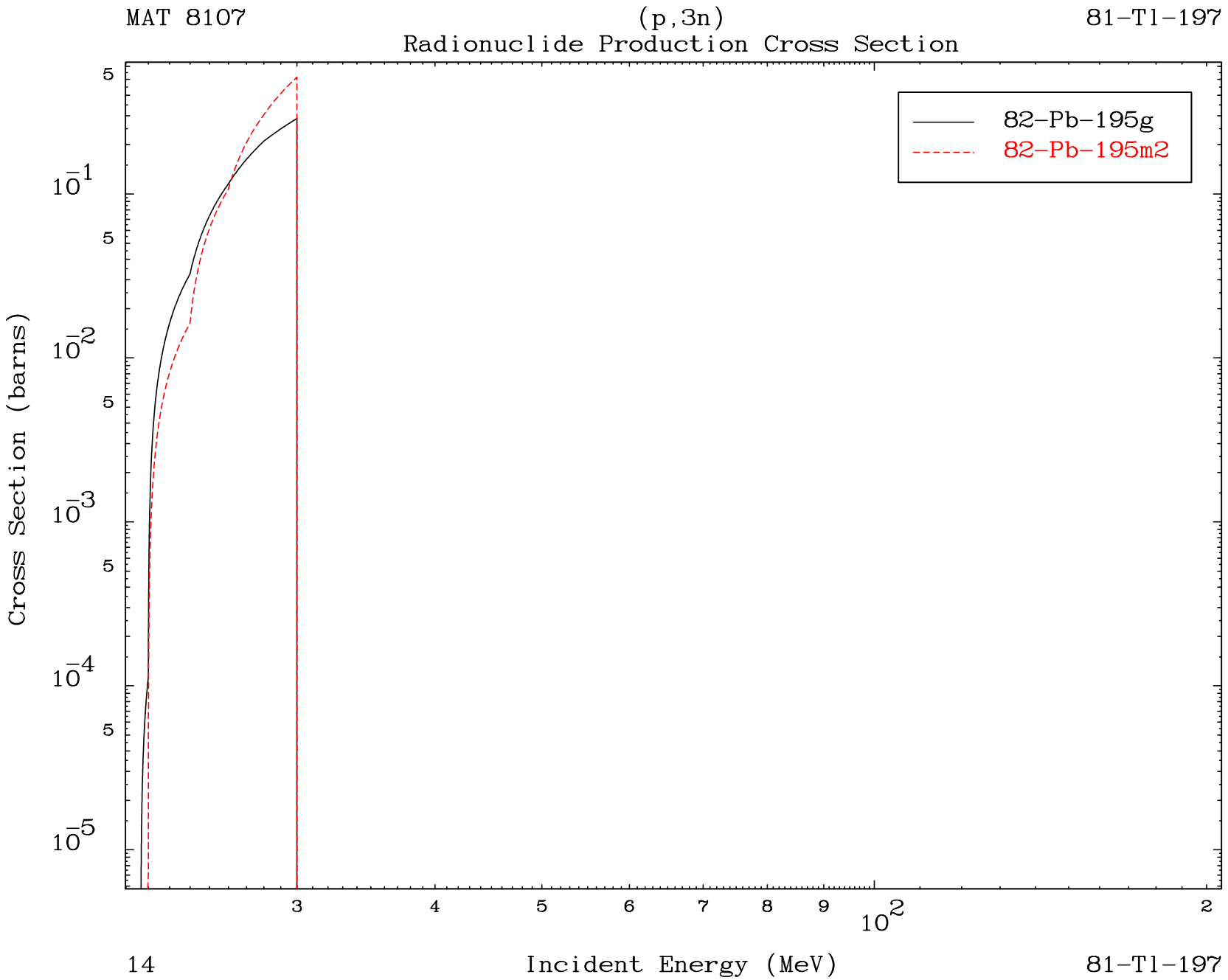

MAT 8107
(p,t) Levels
81-Tl-197
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
81-Tl-197
9

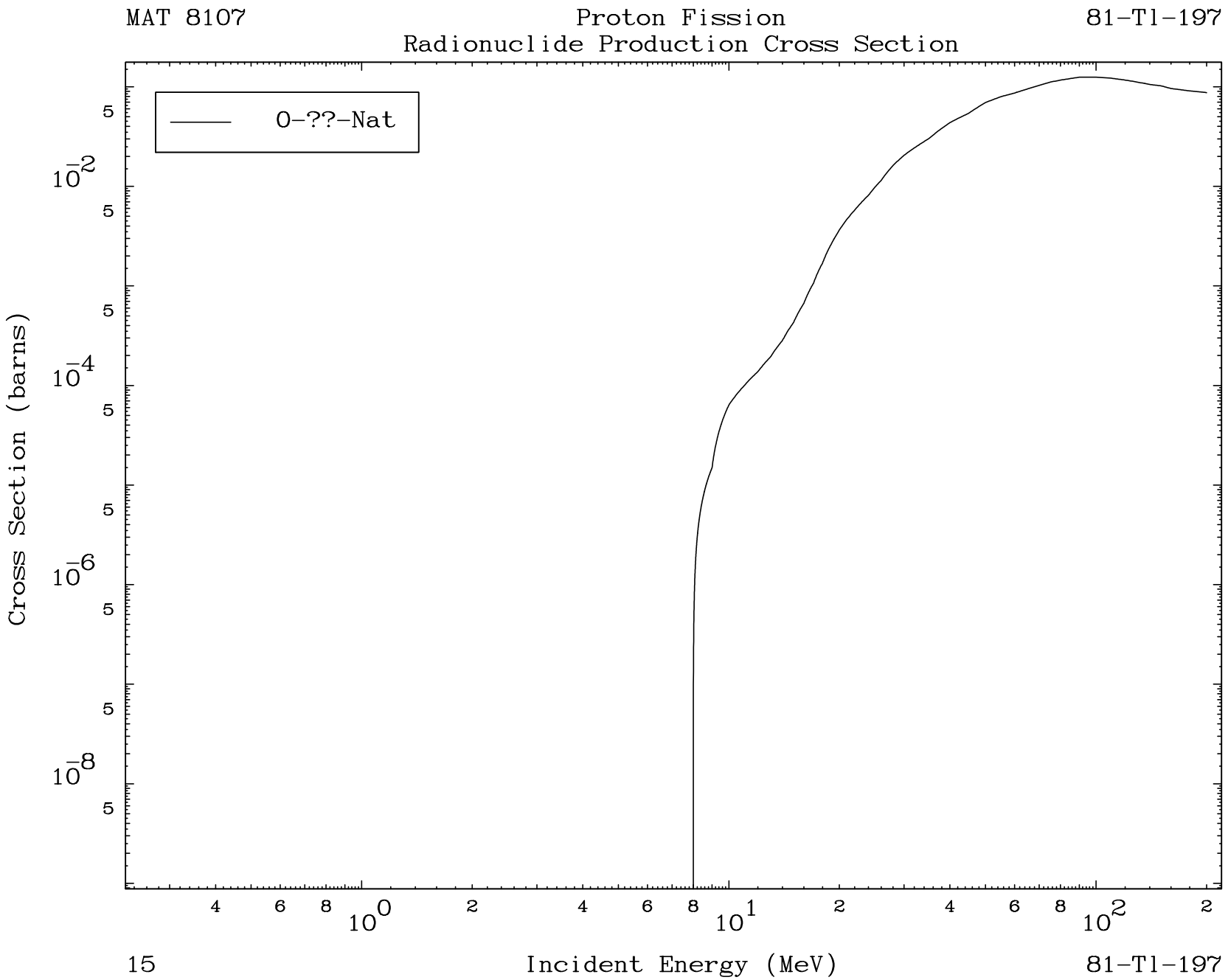

MAT 8107
(p,He3) Levels
81-Tl-197
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
81-Tl-197

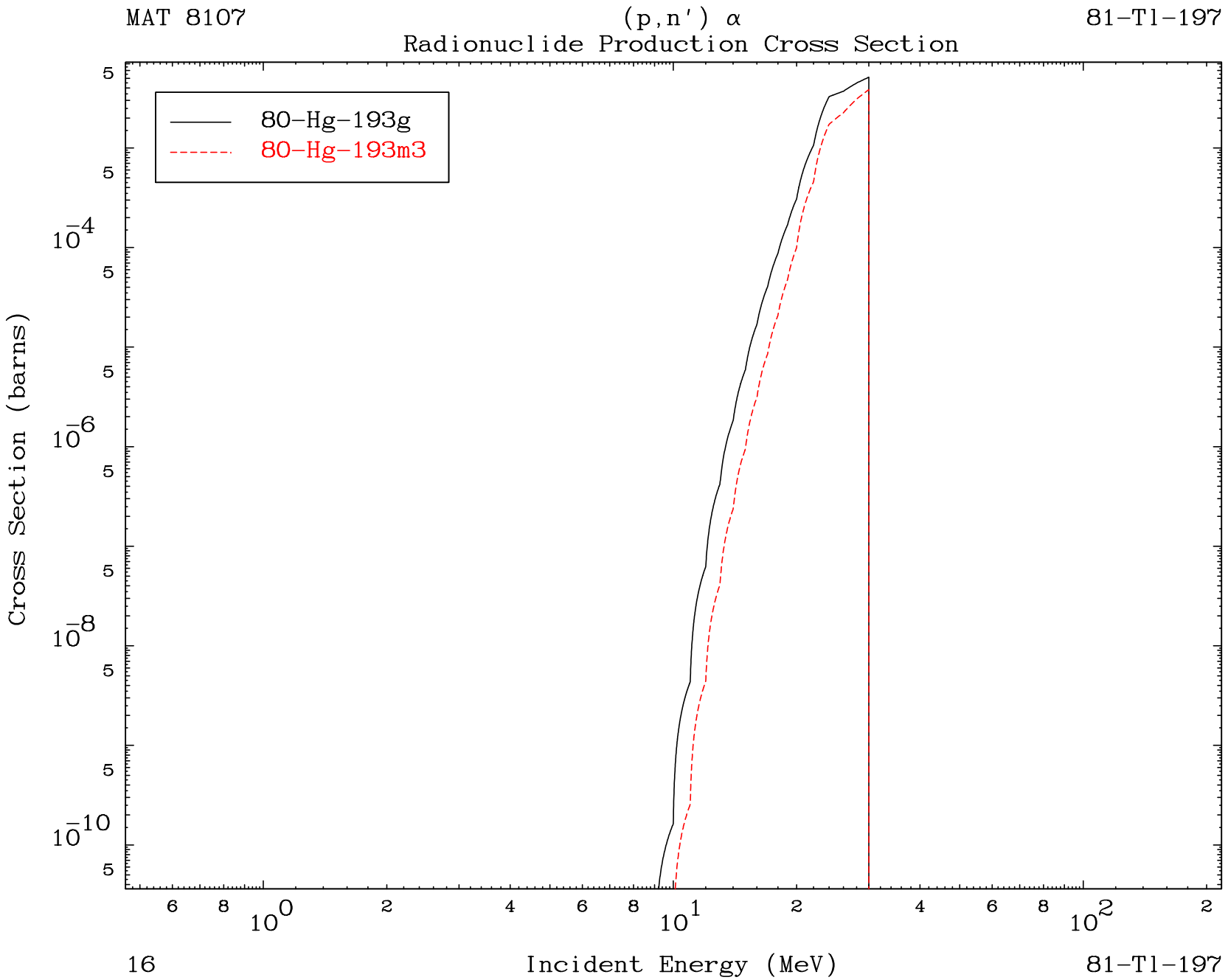

MAT 8107
(p,α) Levels
81-Tl-197
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
81-Tl-197

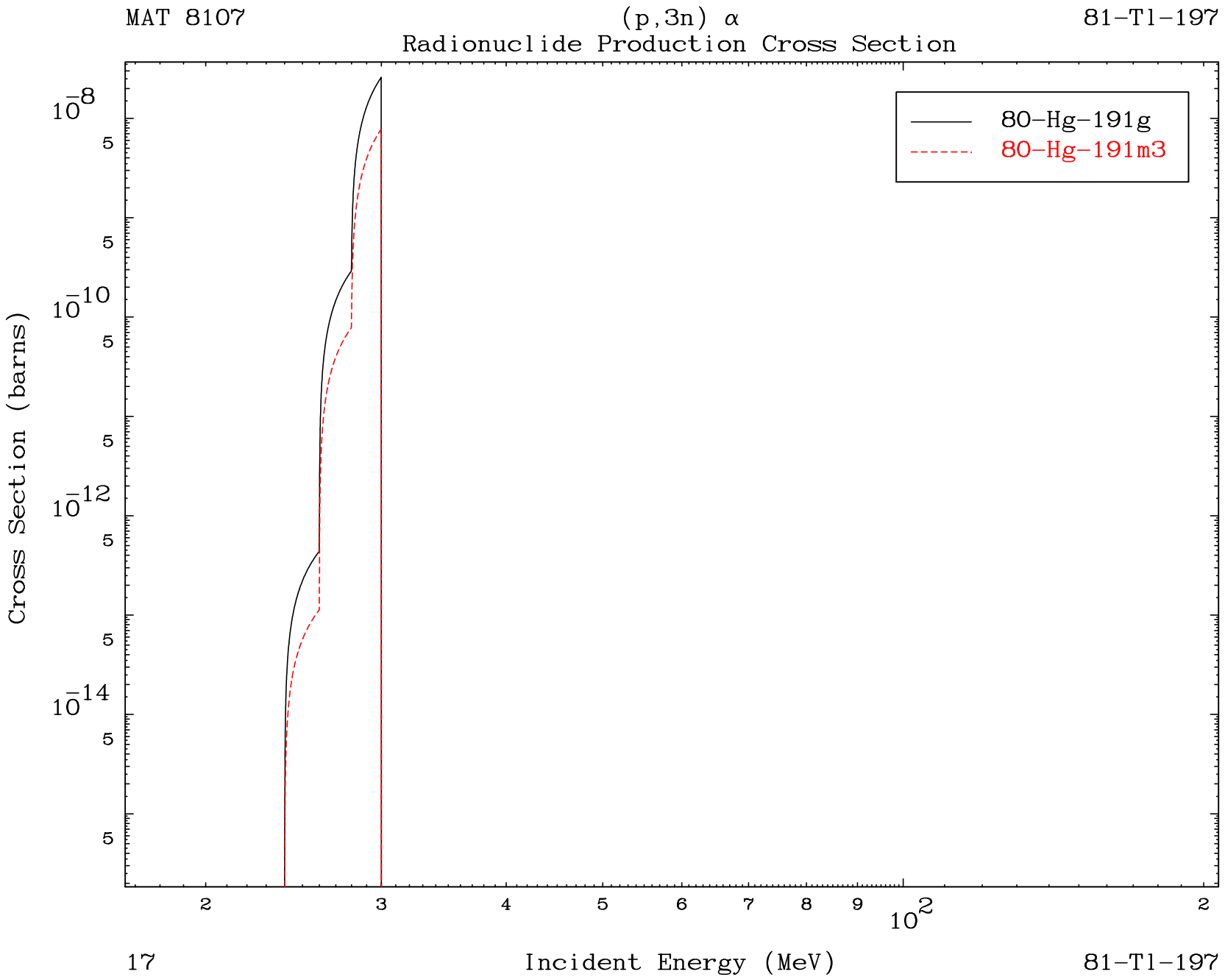

MAT 8107
Proton Inelastic
81-Tl-197
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-197

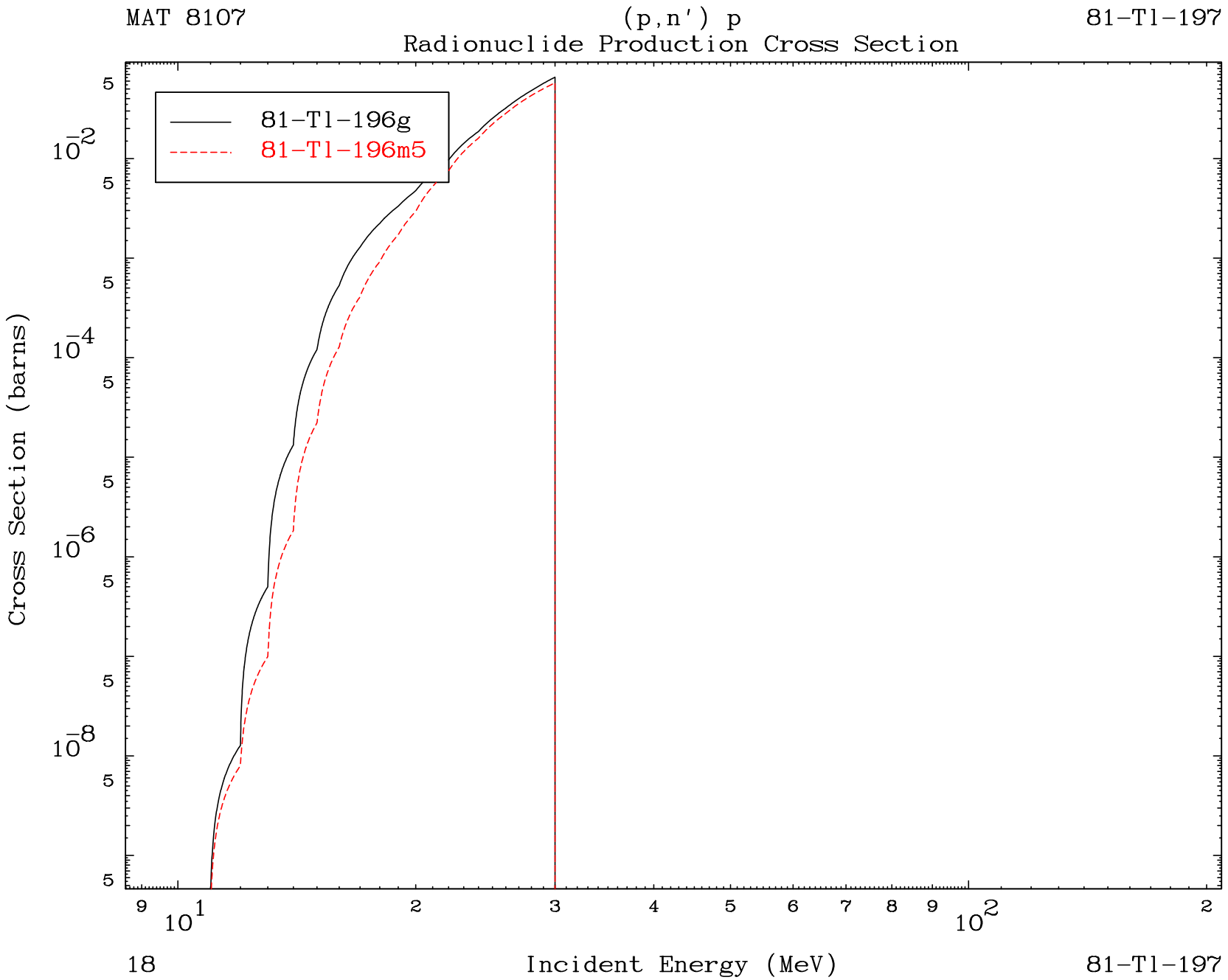

MAT 8107
(p,2n) d
81-Tl-197
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m5
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
81-Tl-197

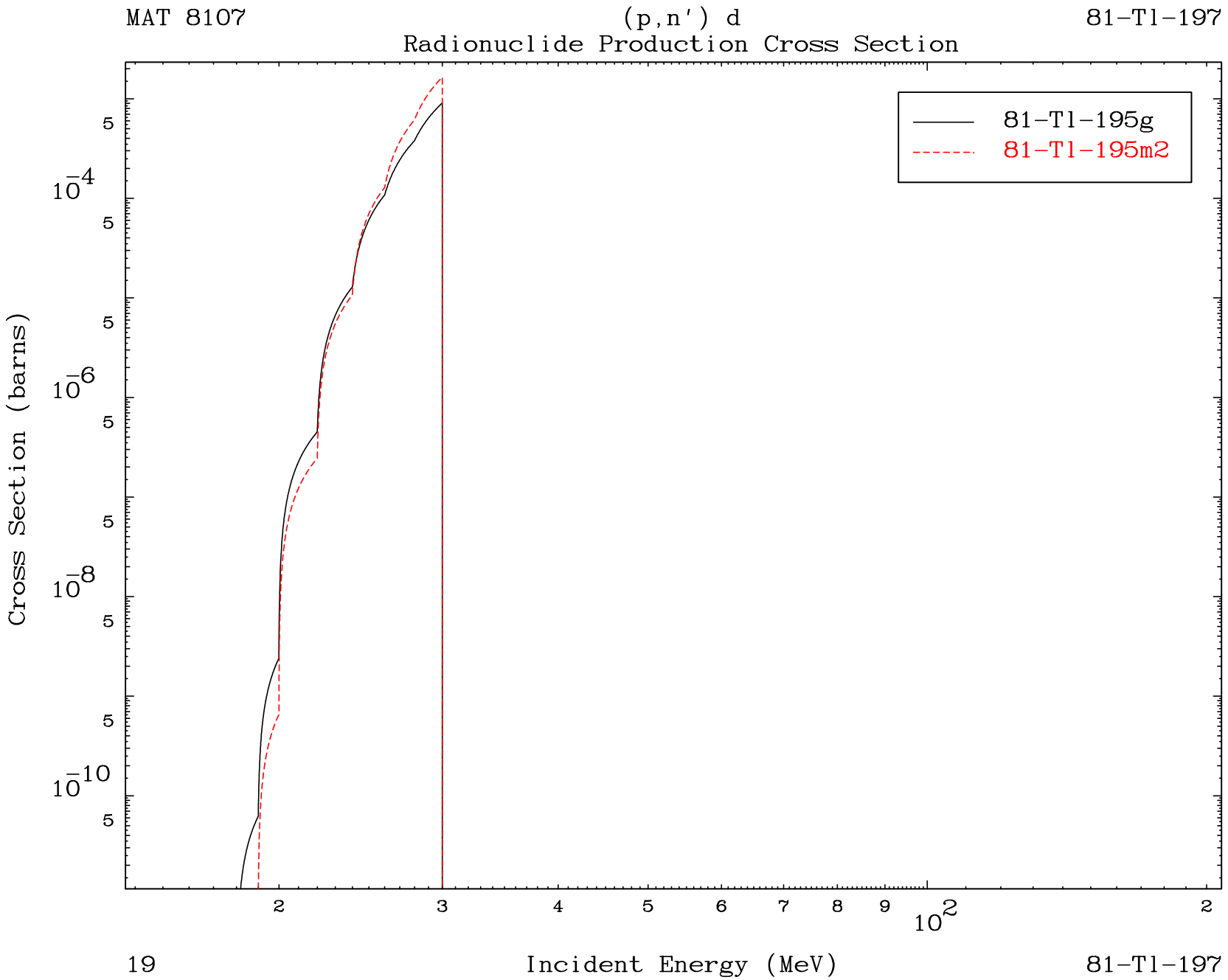

MAT 8107
(p,3n)
81-Tl-197
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
14
81-Tl-197

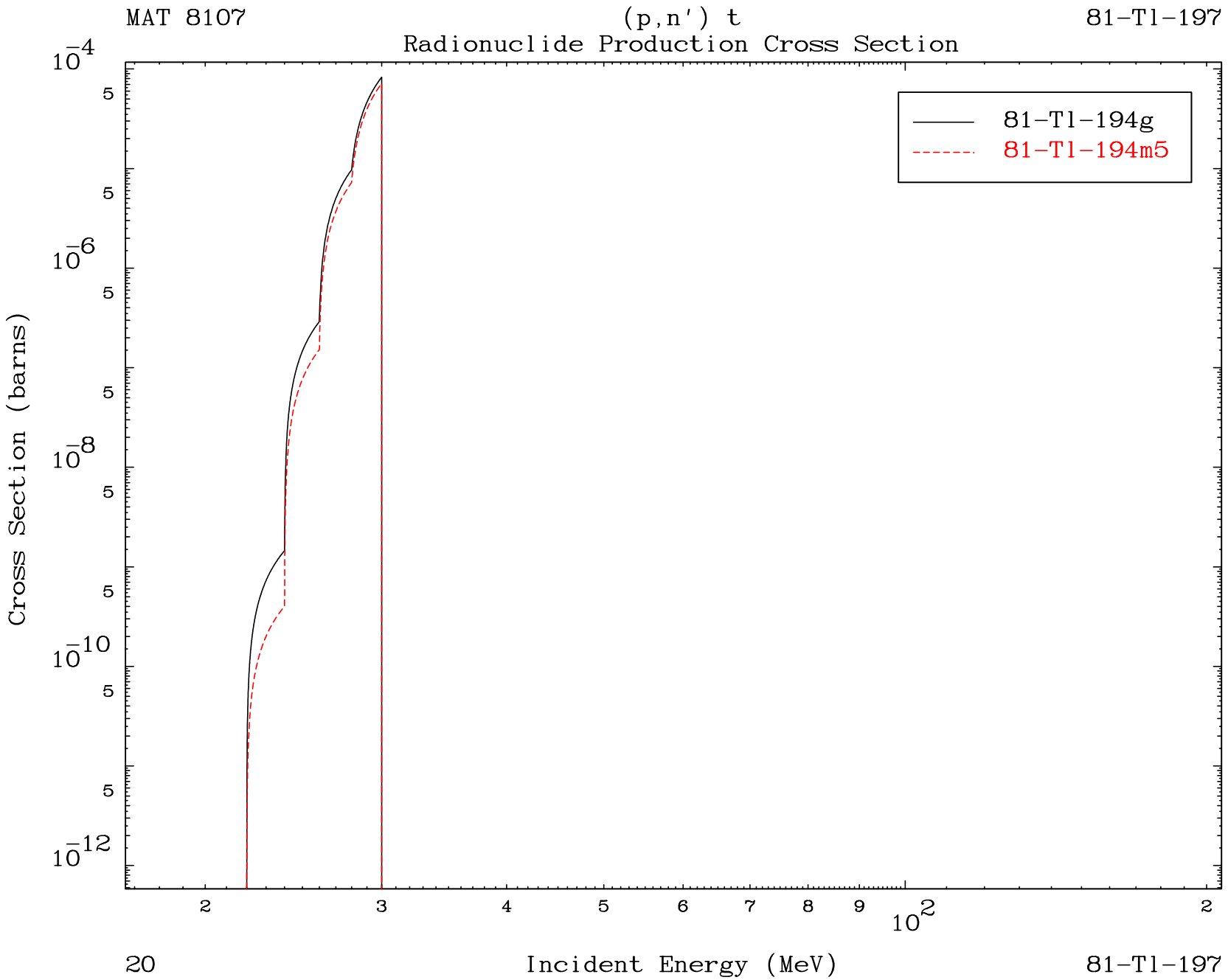

MAT 8107
Proton Fission
81-Tl-197
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
15
81-Tl-197

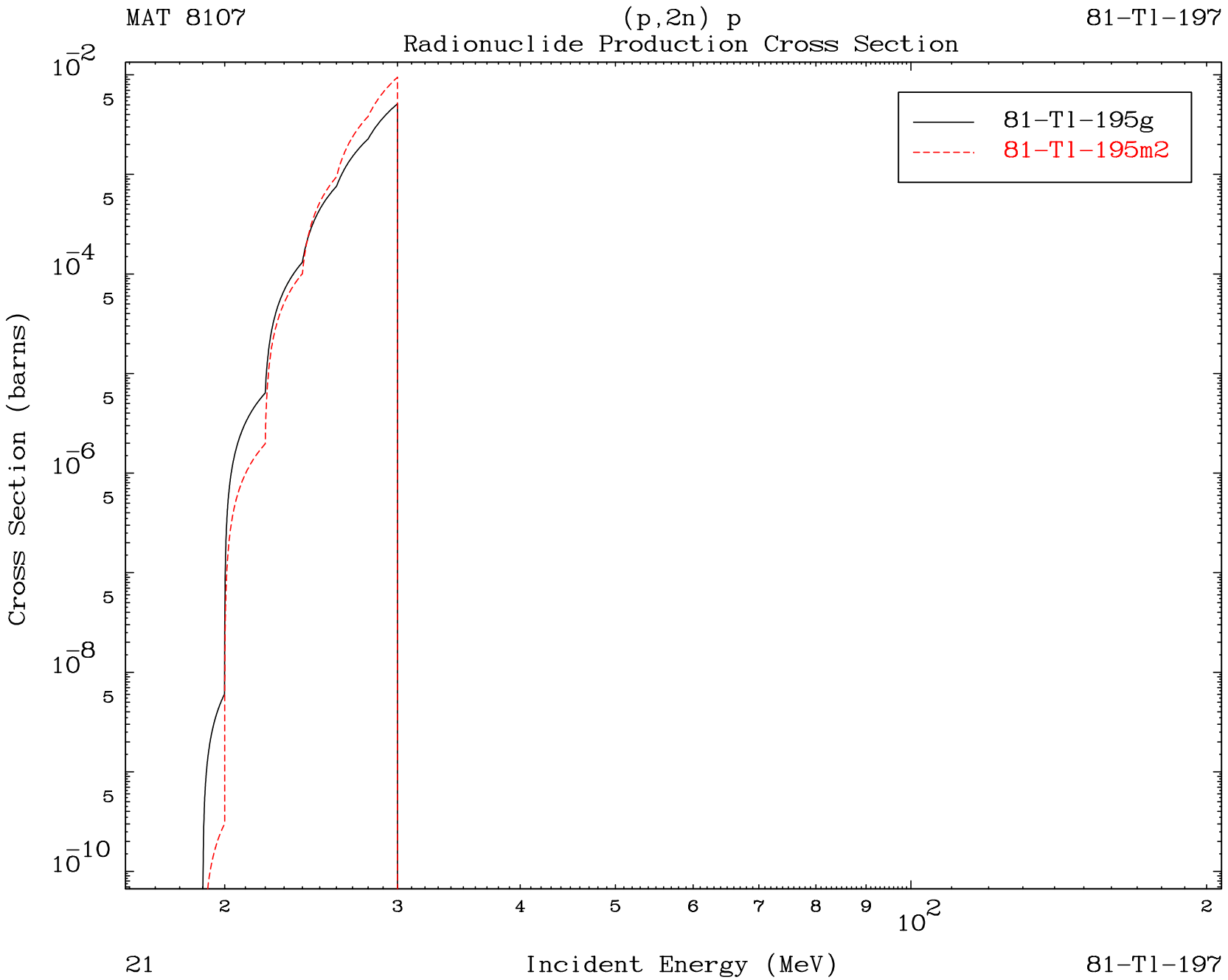

MAT 8107
(p,n') α
81-Tl-197
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
16
81-Tl-197

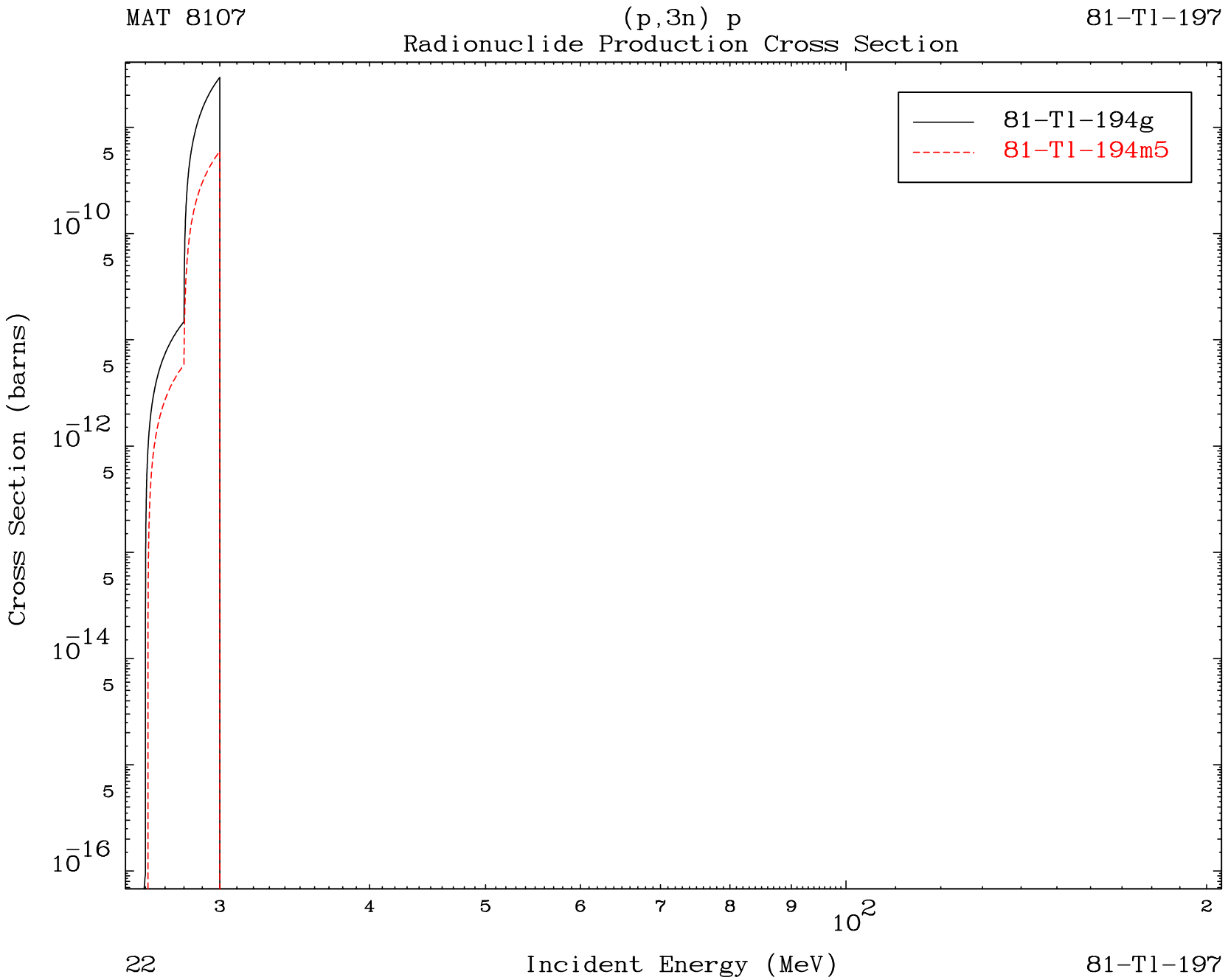

MAT 8107
(p,3n) α
81-Tl-197
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
81-Tl-197

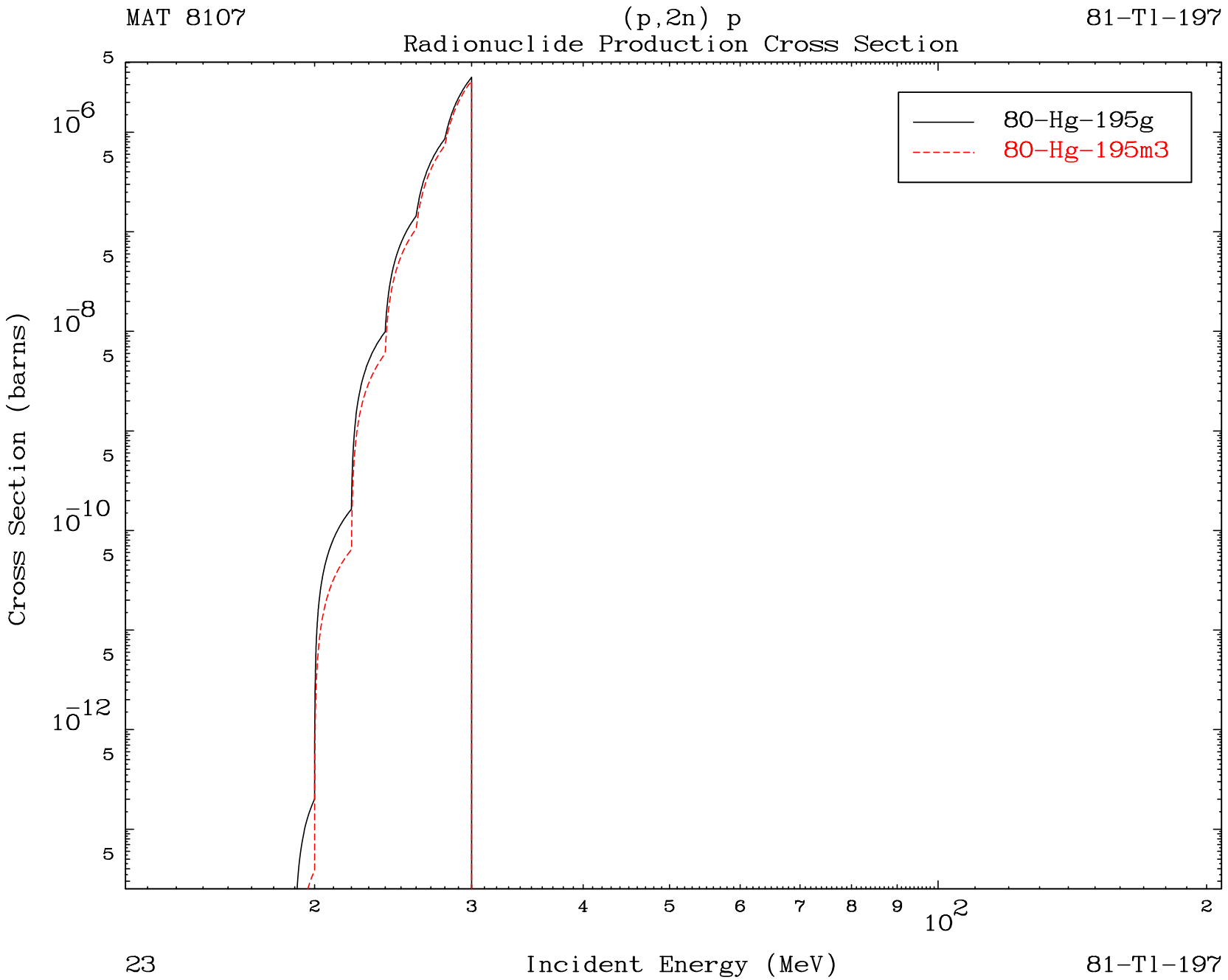

MAT 8107
(p,n') p
81-Tl-197
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m5
Cross Section (barns)
Incident Energy (MeV)
18
81-Tl-197

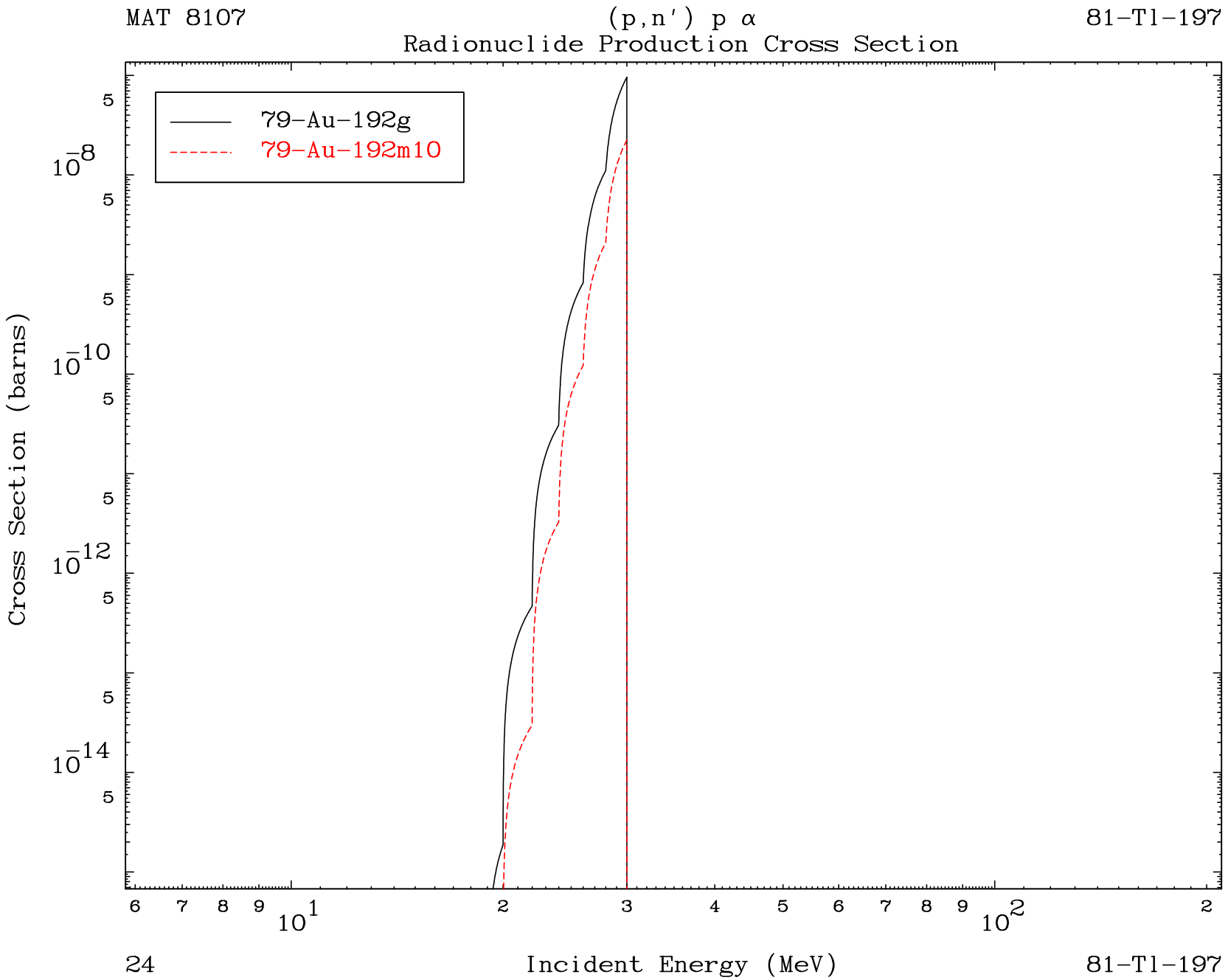

MAT 8107
(p,n') d
81-Tl-197
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
19
81-Tl-197

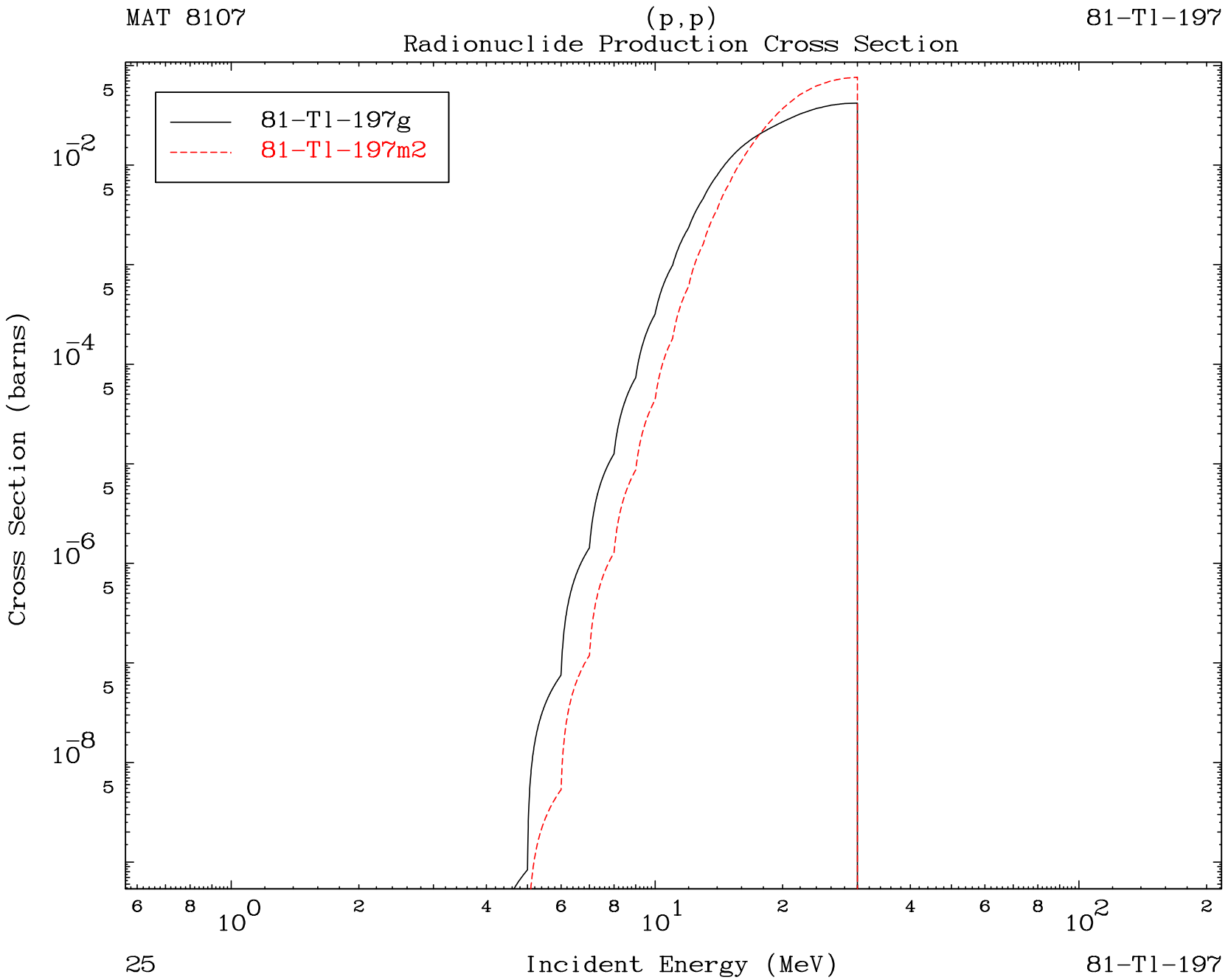

MAT 8107
(p,n') t
81-Tl-197
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m5
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
20
81-Tl-197

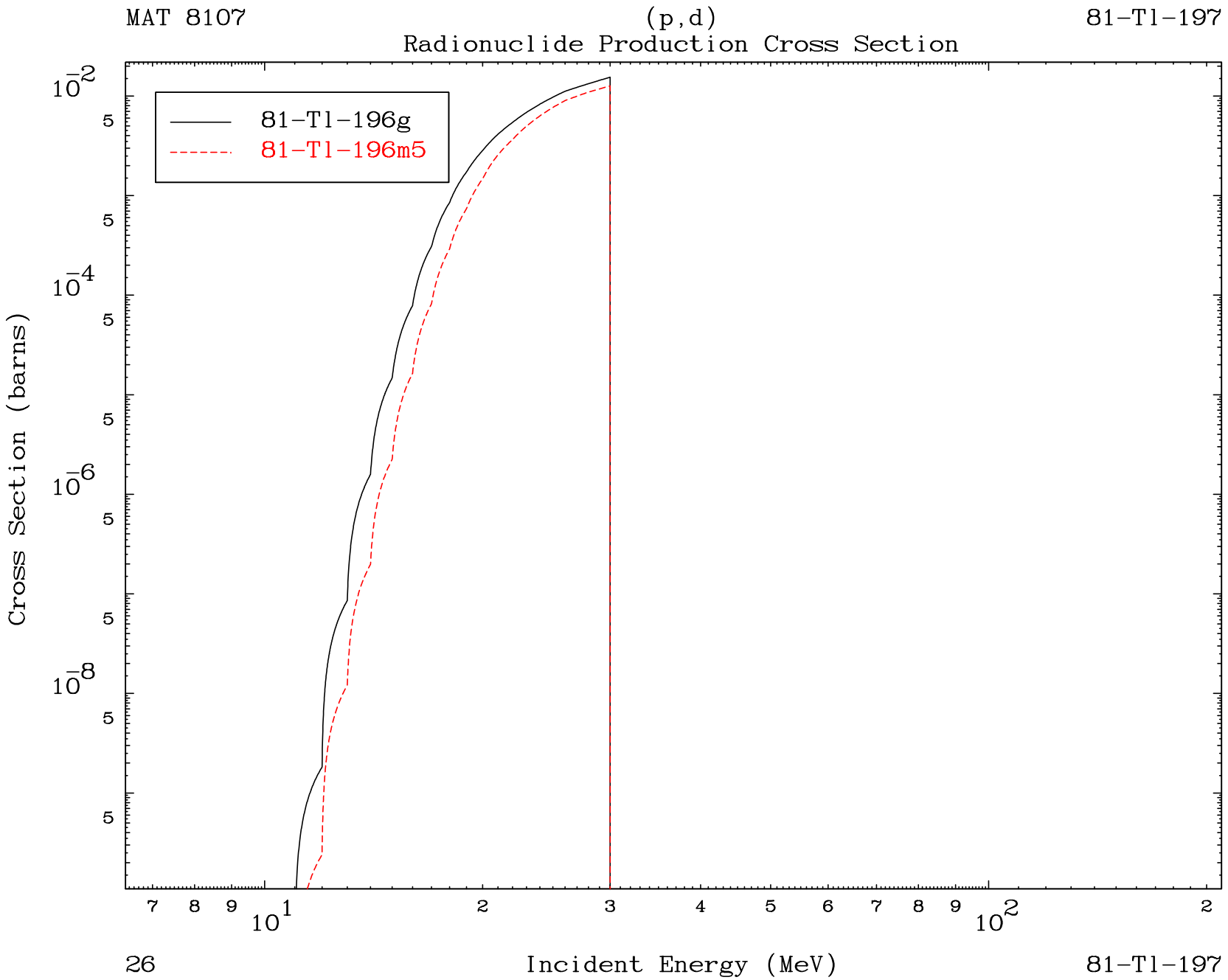

MAT 8107
(p,2n) p
81-Tl-197
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
Incident Energy (MeV)
21
81-Tl-197

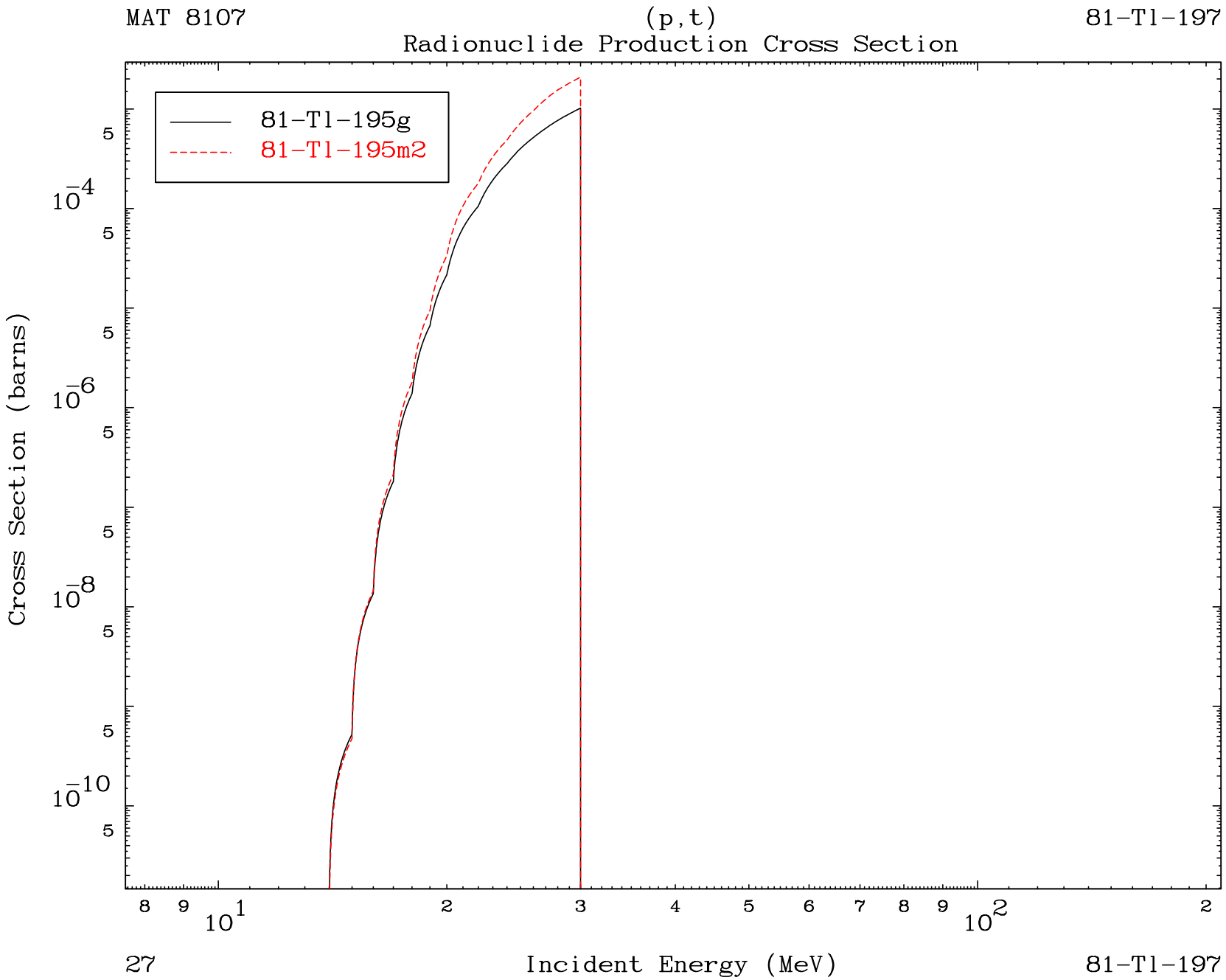

MAT 8107
(p,3n) p
81-Tl-197
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m5
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
81-Tl-197

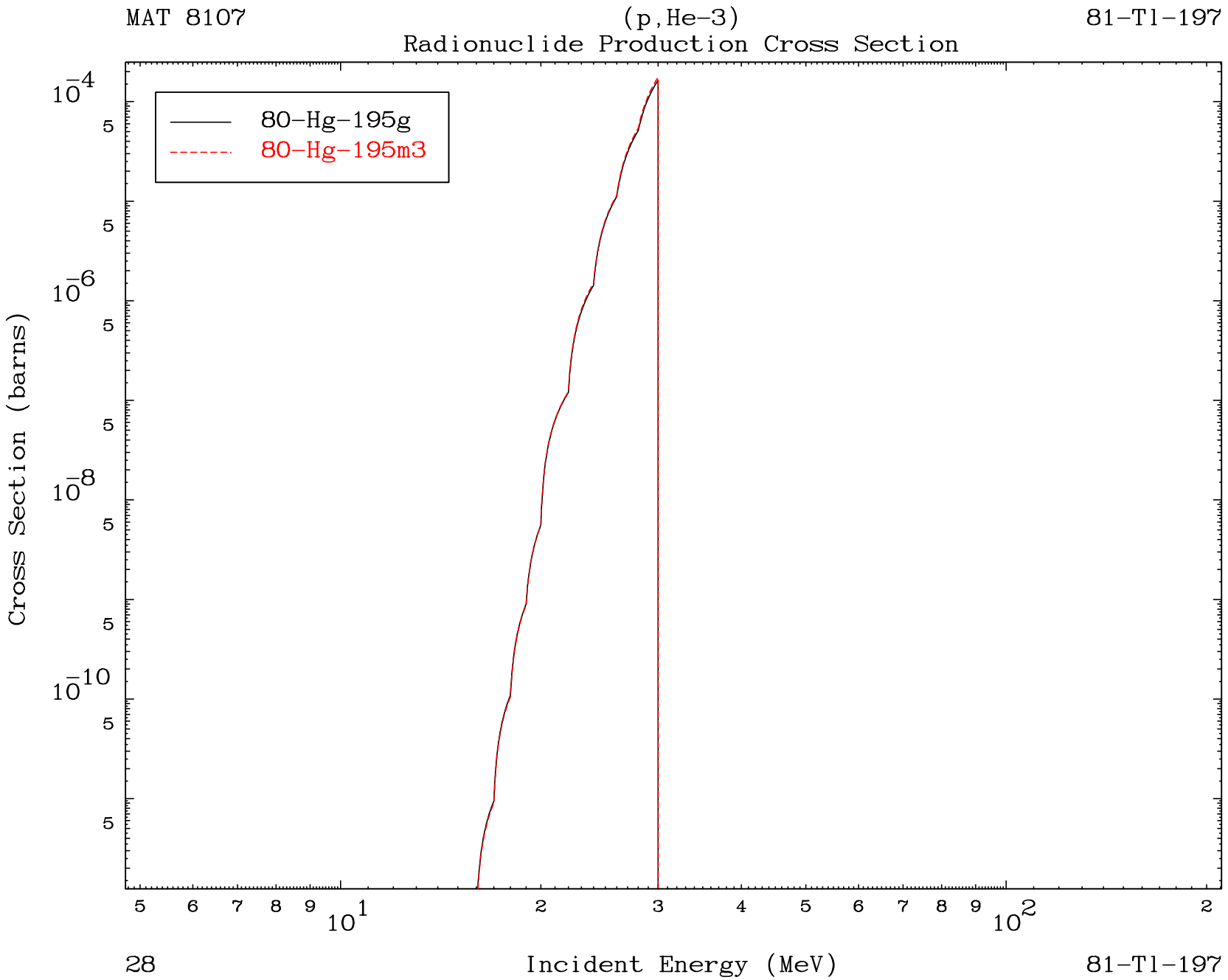

MAT 8107
(p,2n) p
81-Tl-197
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
23
81-Tl-197

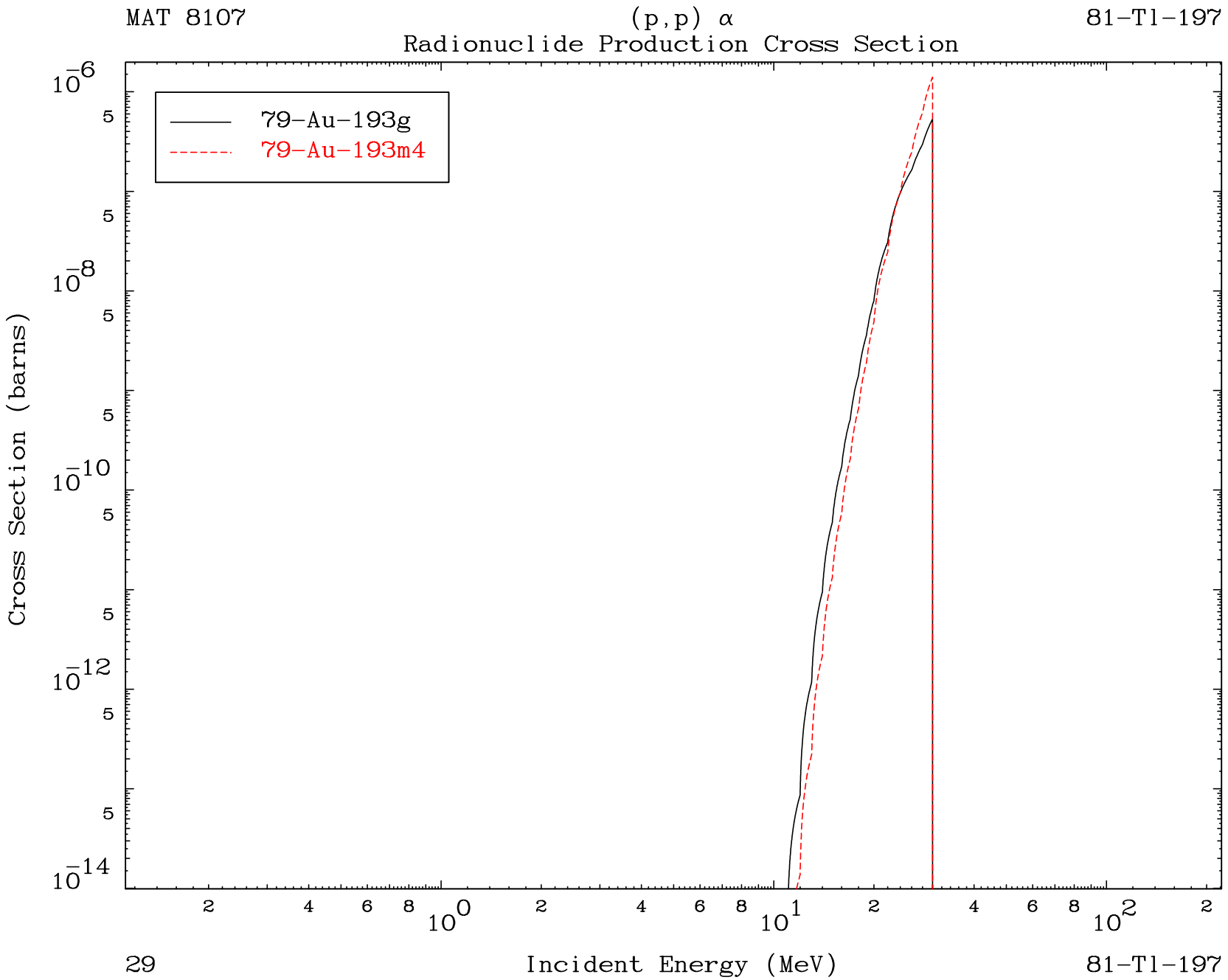

MAT 8107
(p,n') p α
81-Tl-197
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m10
Cross Section (barns)
10-8
10-10
10-12
10-14
5
6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
24
Incident Energy (MeV)
81-Tl-197

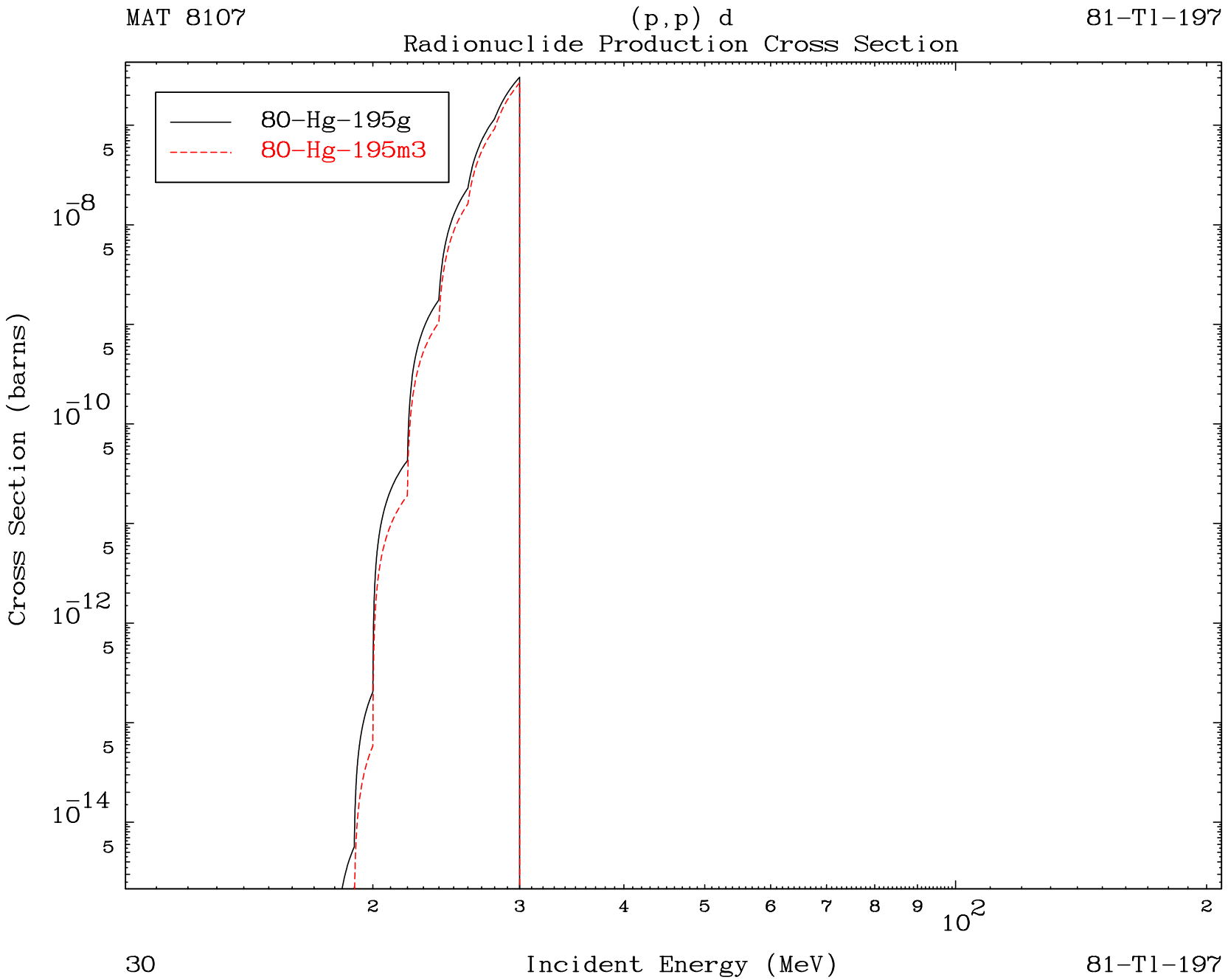

MAT 8107
(p,p)
81-Tl-197
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
25
81-Tl-197

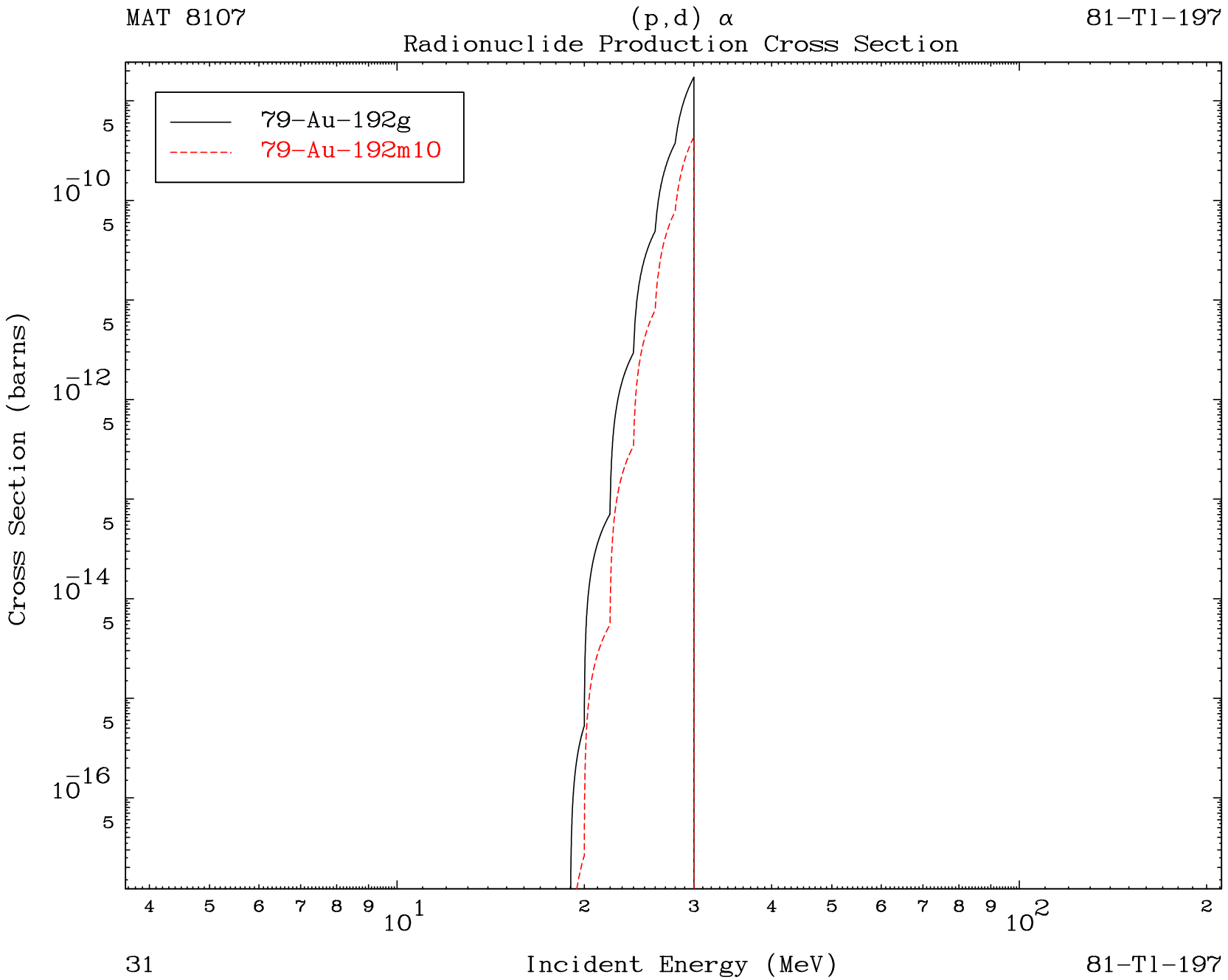

MAT 8107
(p,d)
81-Tl-197
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m5
Cross Section (barns)
Incident Energy (MeV)
26
81-Tl-197


MAT 8107
(p,t)
81-Tl-197
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
27
81-Tl-197


MAT 8107
(p,He-3)
81-Tl-197
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
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
28
Incident Energy (MeV)
81-Tl-197


MAT 8107
(p,p) α
81-Tl-197
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
29
81-Tl-197


MAT 8107
(p,p) d
81-Tl-197
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
30
Incident Energy (MeV)
81-Tl-197


MAT 8107
(p,d) α
81-Tl-197
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m10
Cross Section (barns)
Incident Energy (MeV)
31
81-Tl-197