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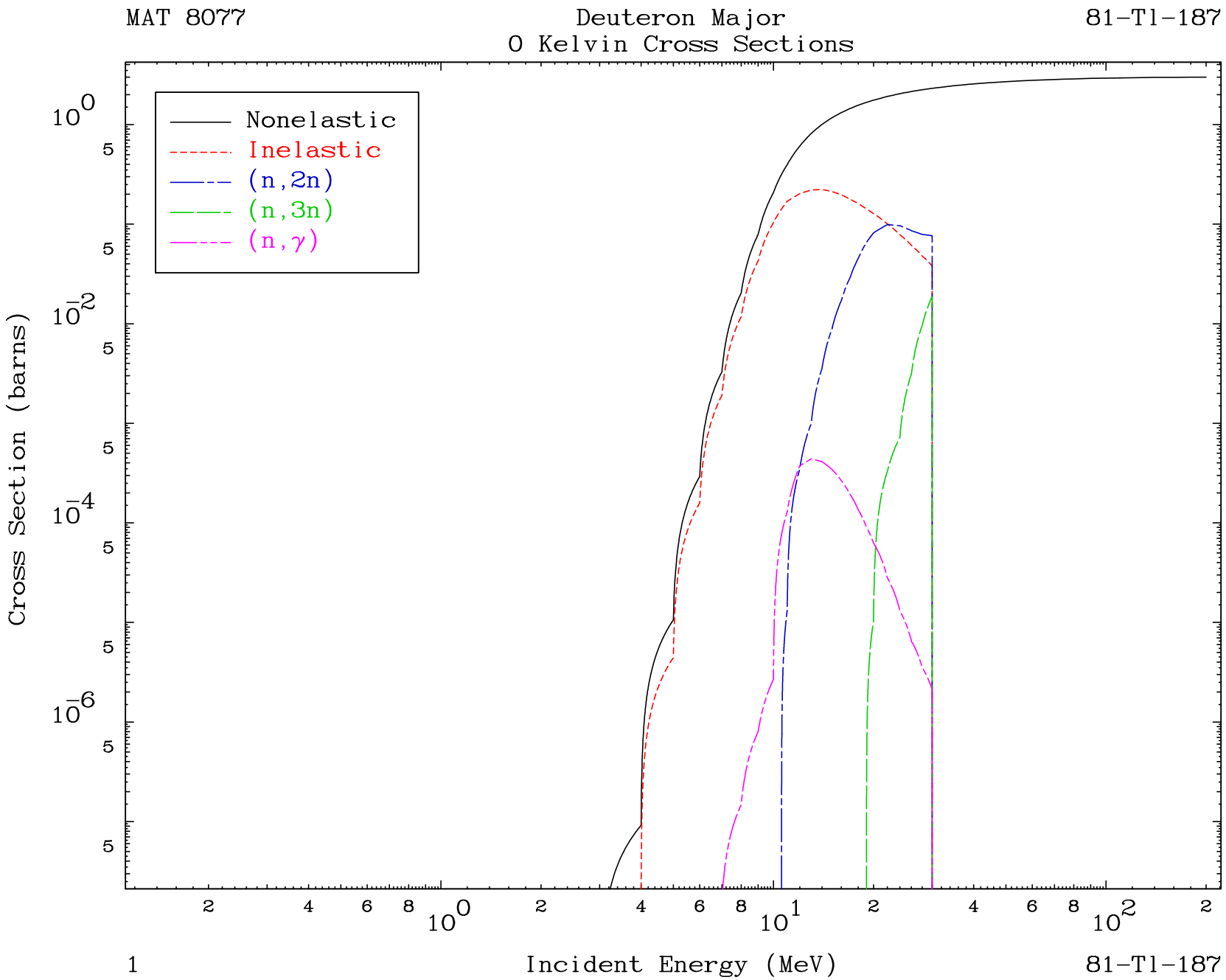
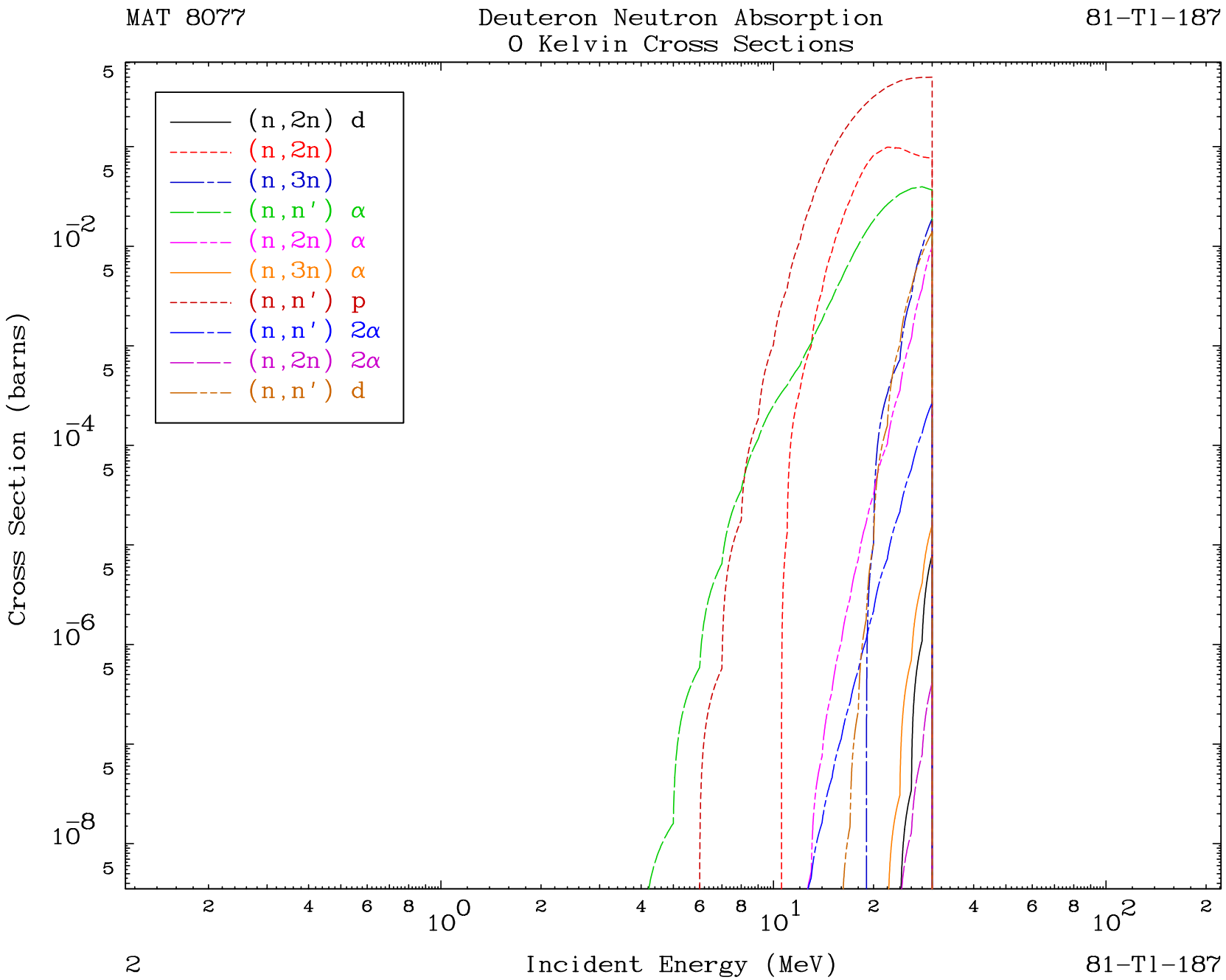
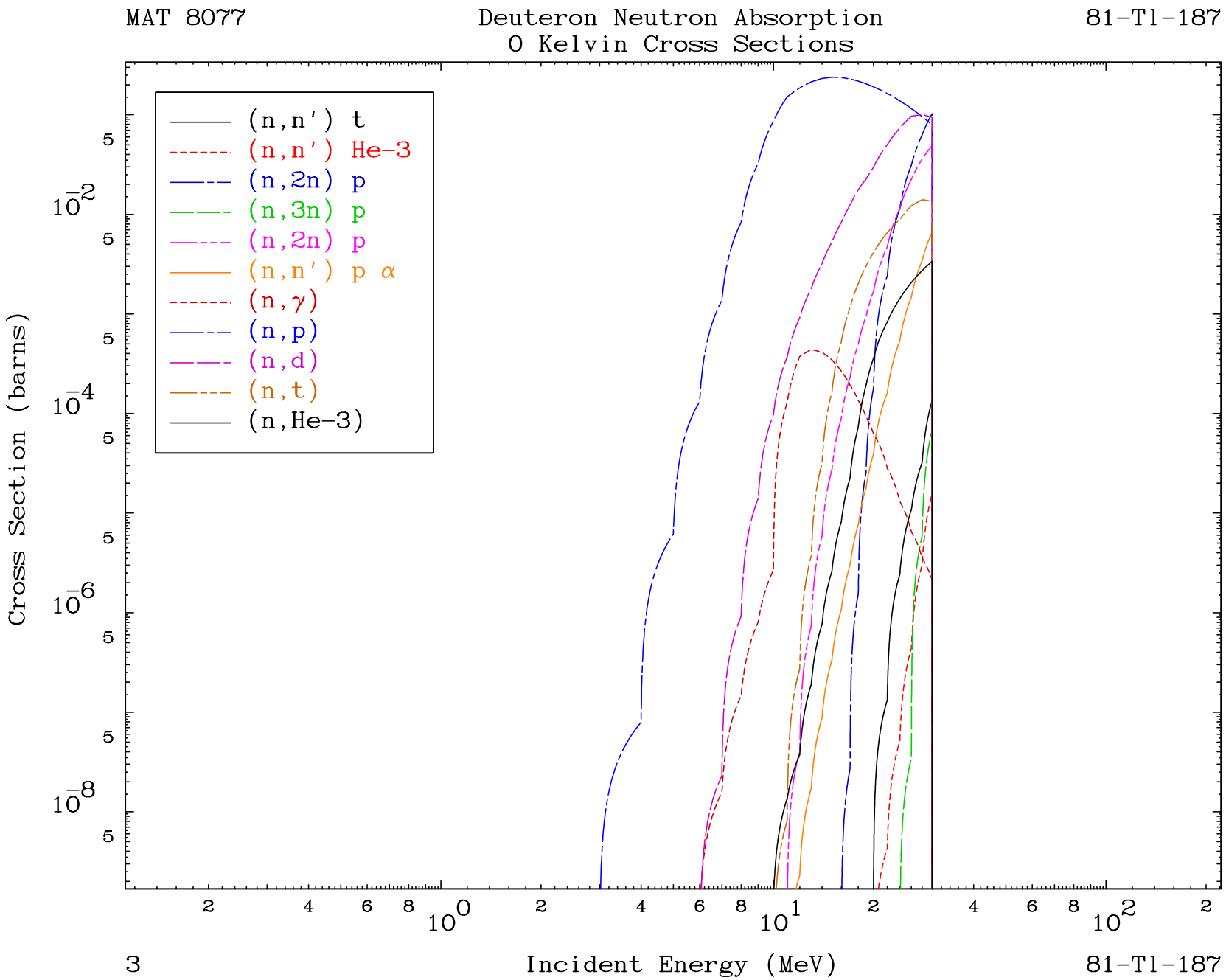
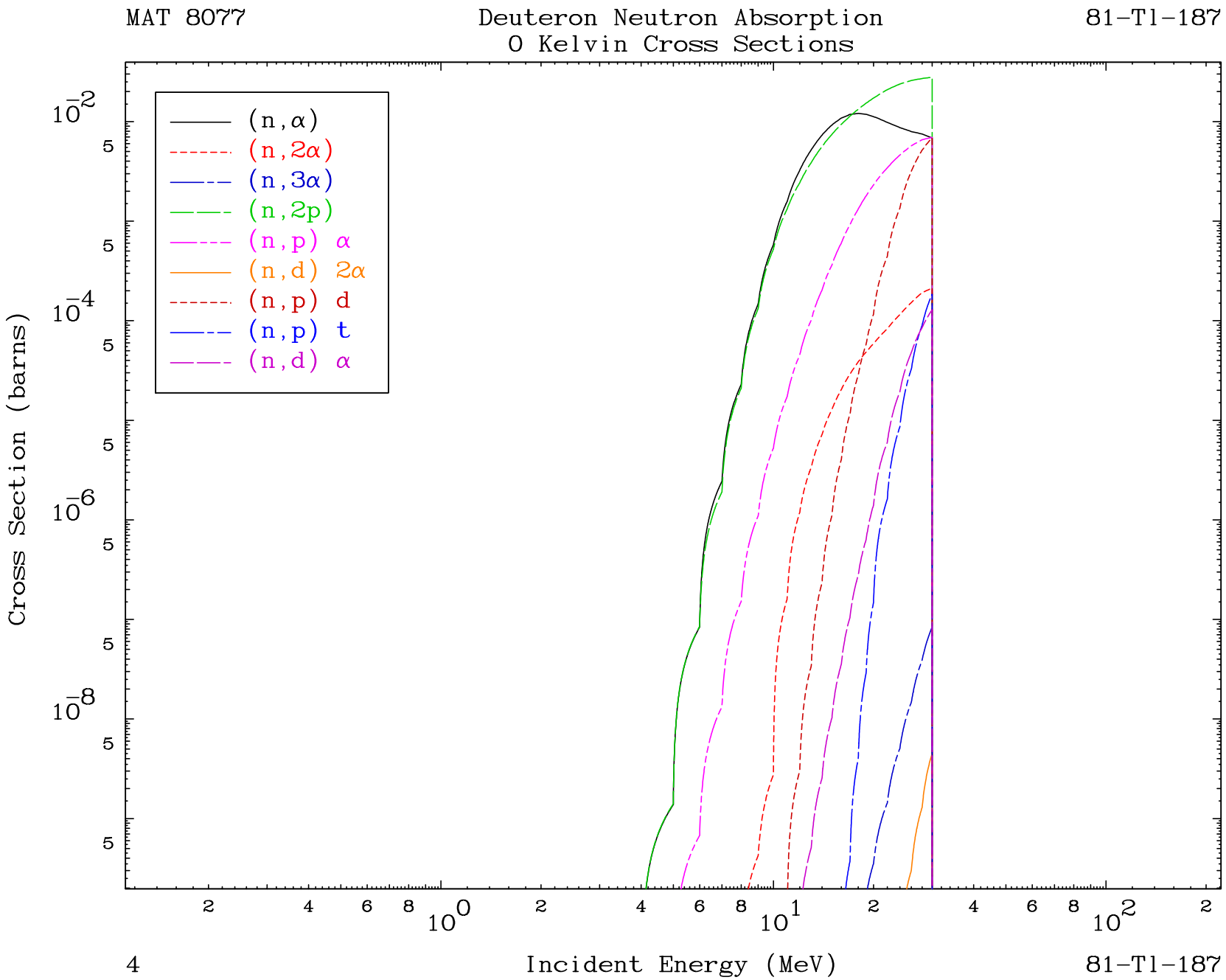
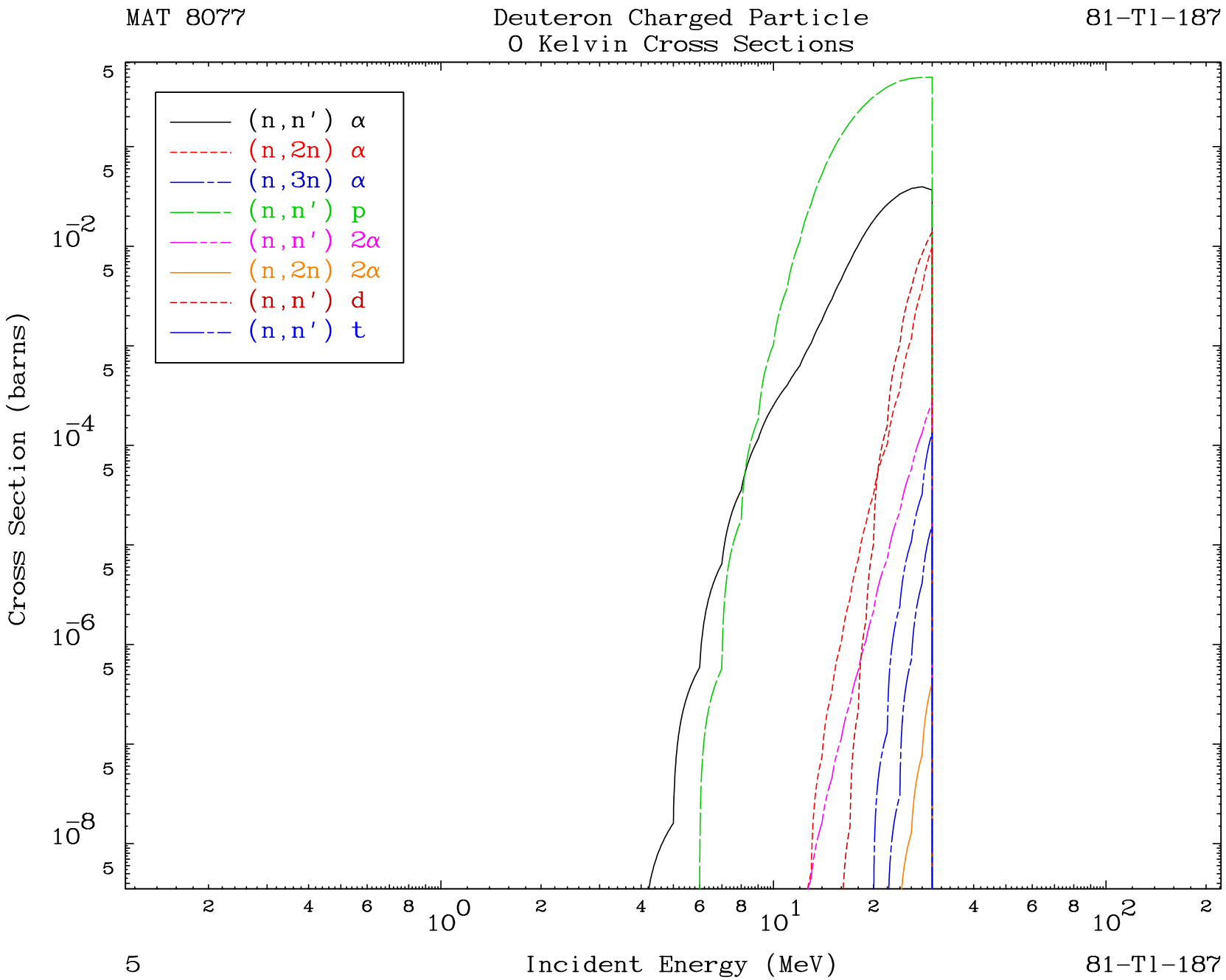
Press Mouse Button to Start

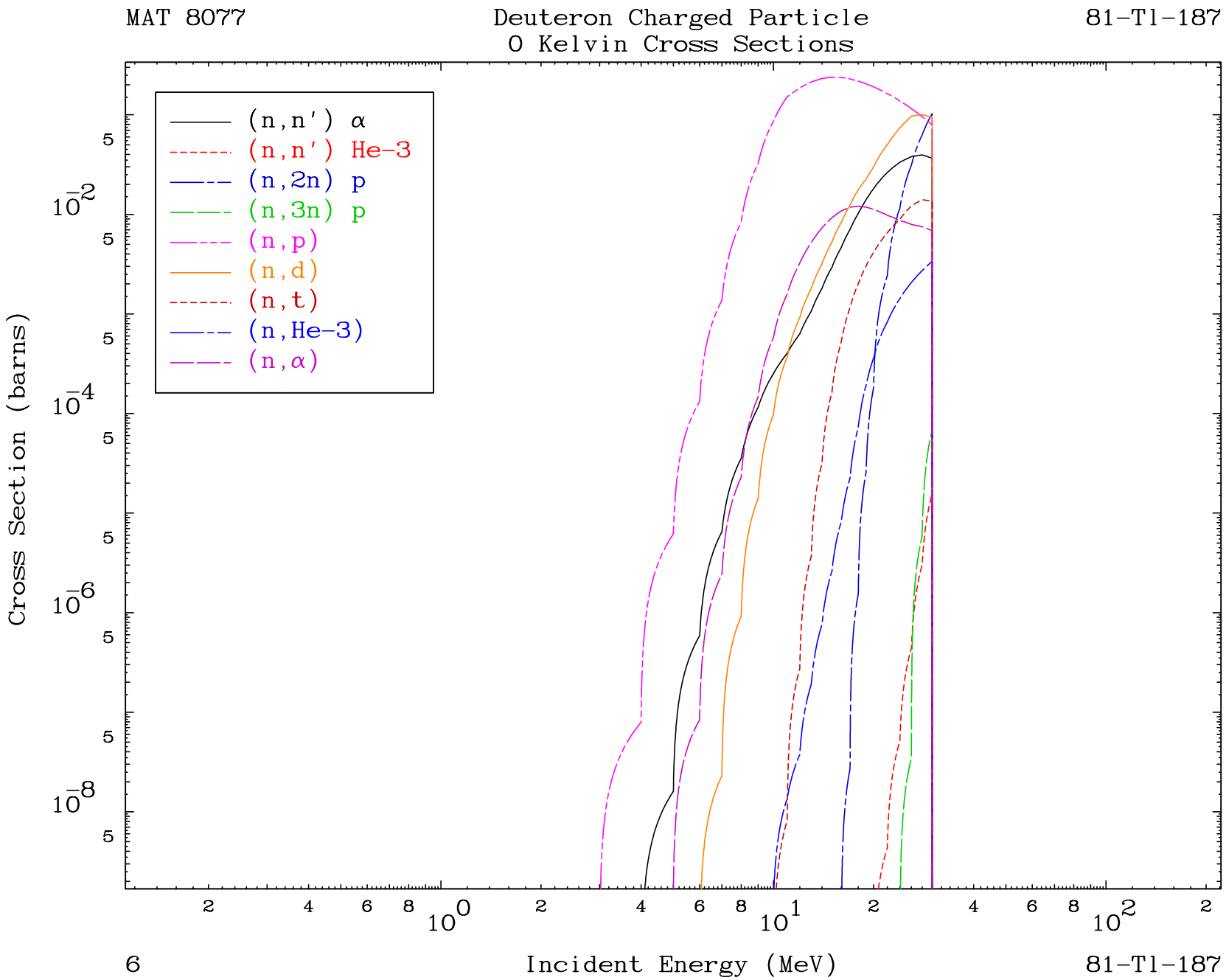

MAT 8077
Deuteron Major
81-Tl-187
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-187
1

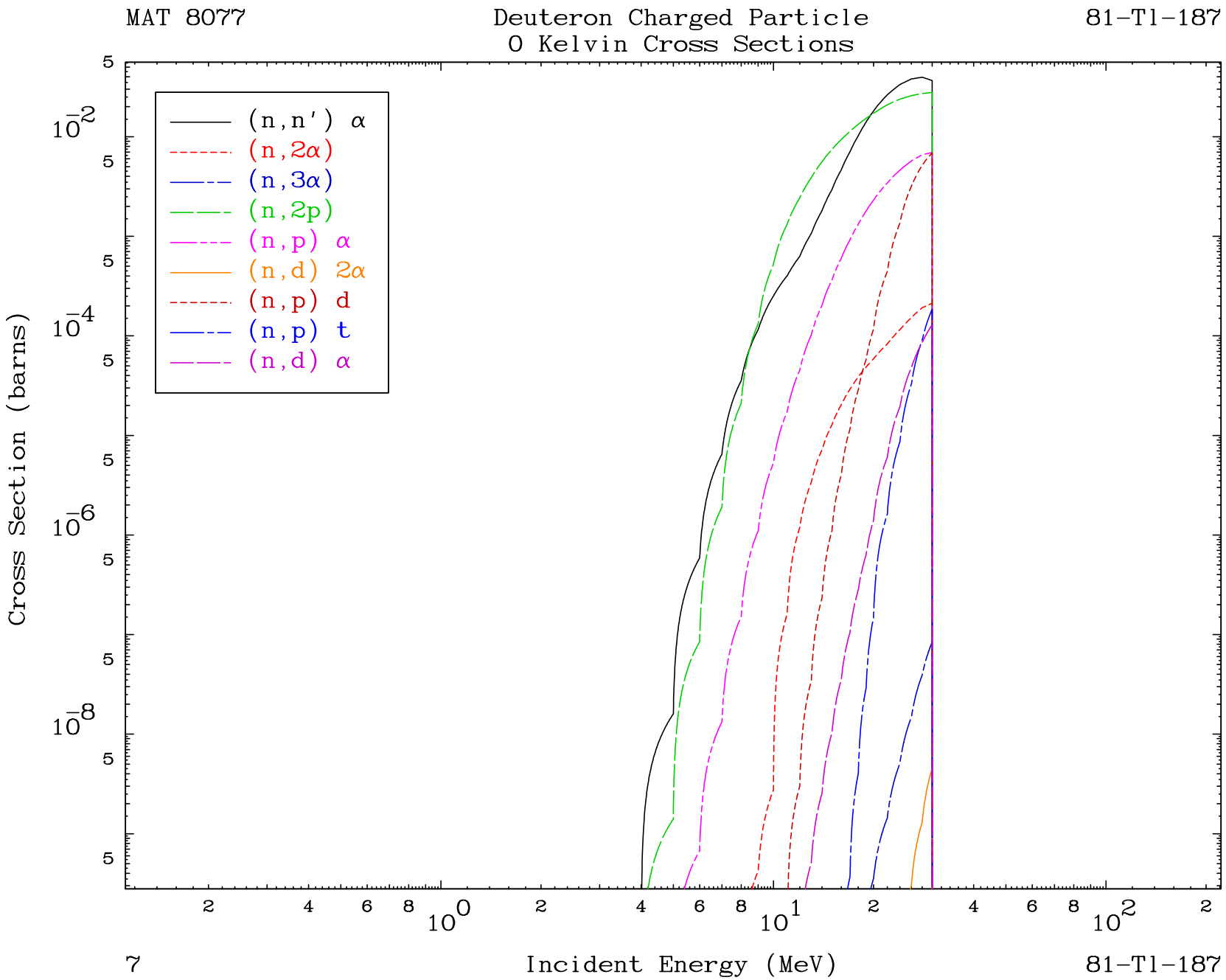

MAT 8077
Deuteron Neutron Absorption
0 Kelvin Cross Sections
81-Tl-187
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
81-Tl-187

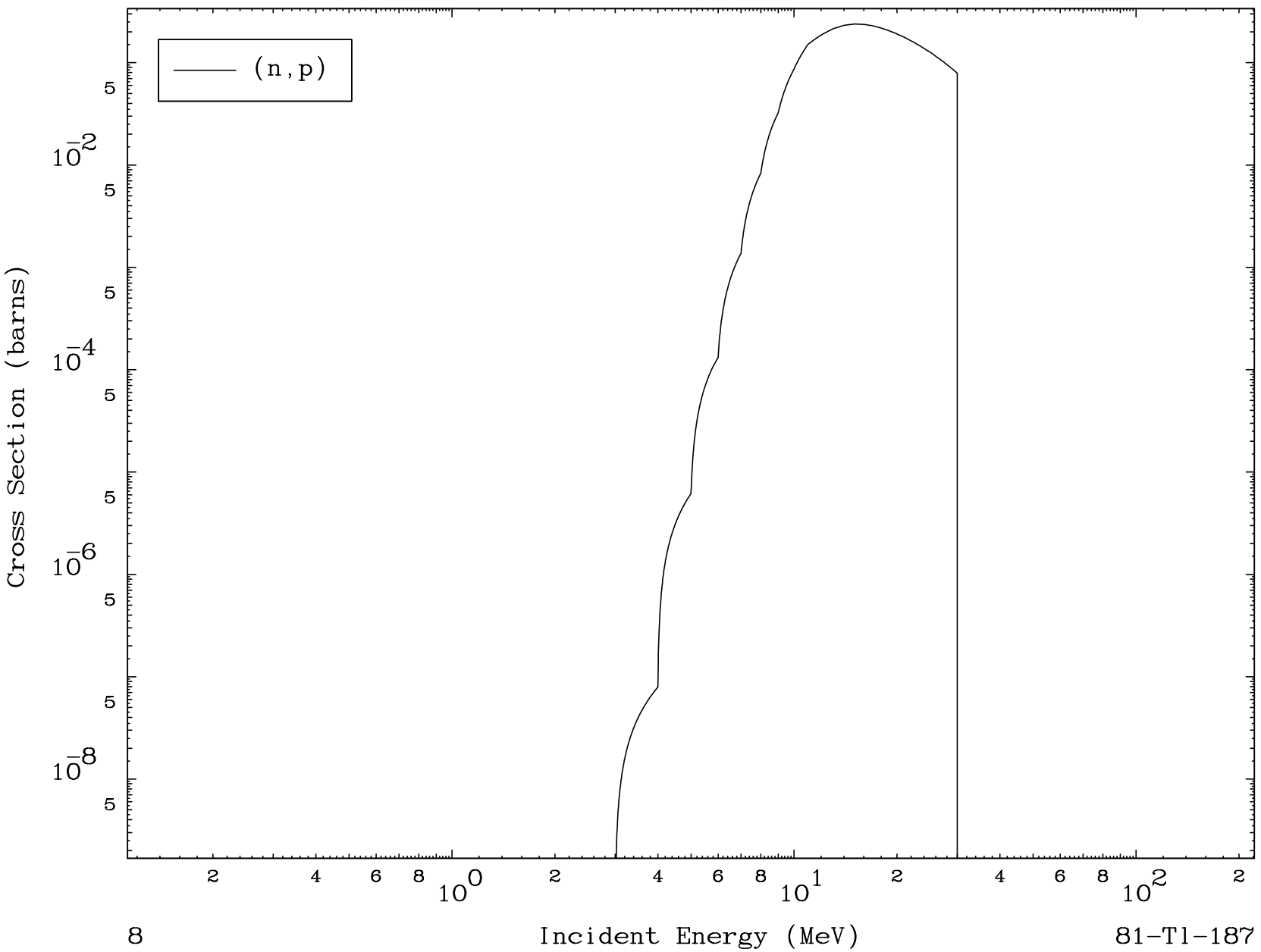

MAT 8077
Deuteron Neutron Absorption
0 Kelvin Cross Sections
81-Tl-187
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
81-Tl-187

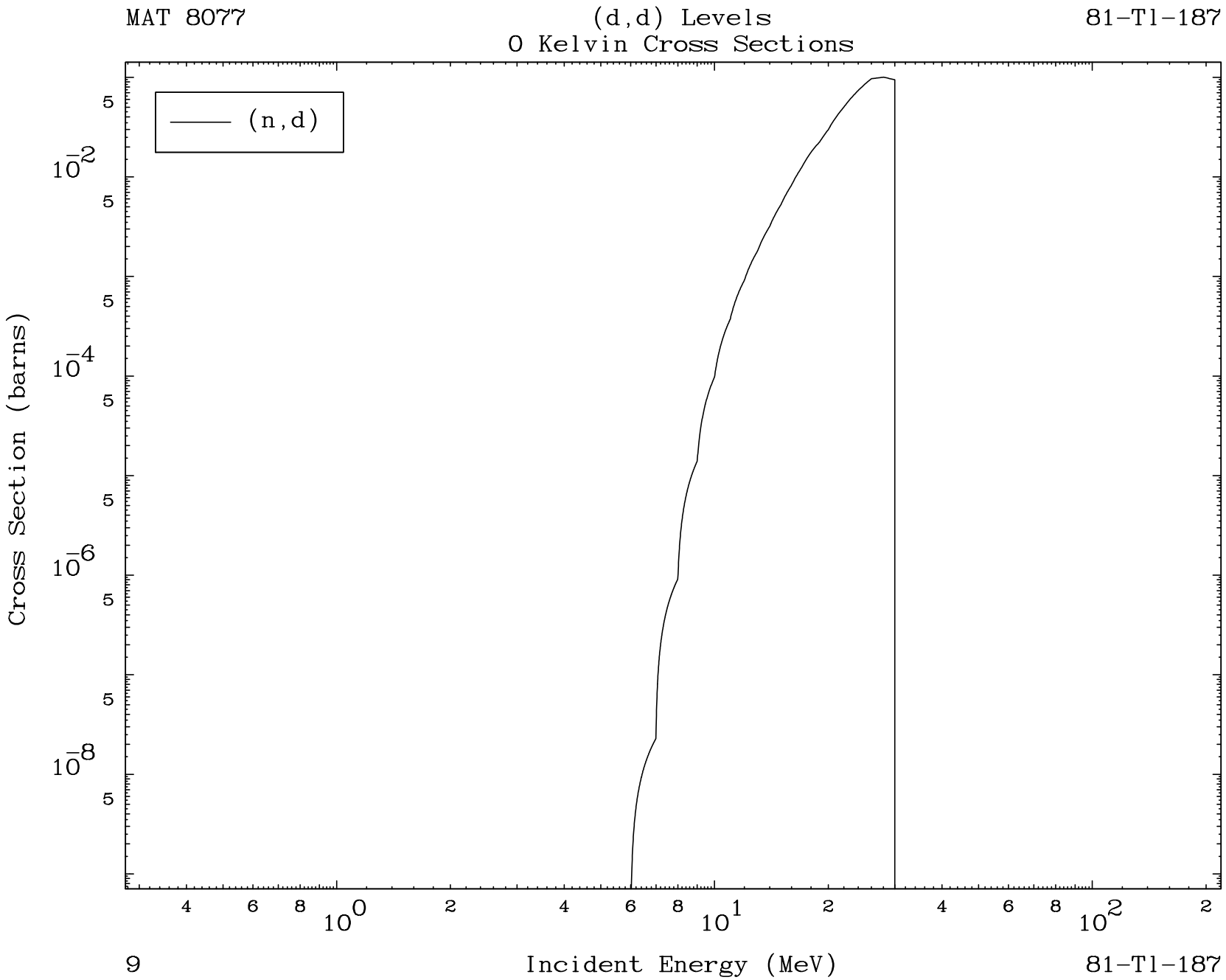

MAT 8077
Deuteron Neutron Absorption
0 Kelvin Cross Sections
81-Tl-187
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
81-Tl-187

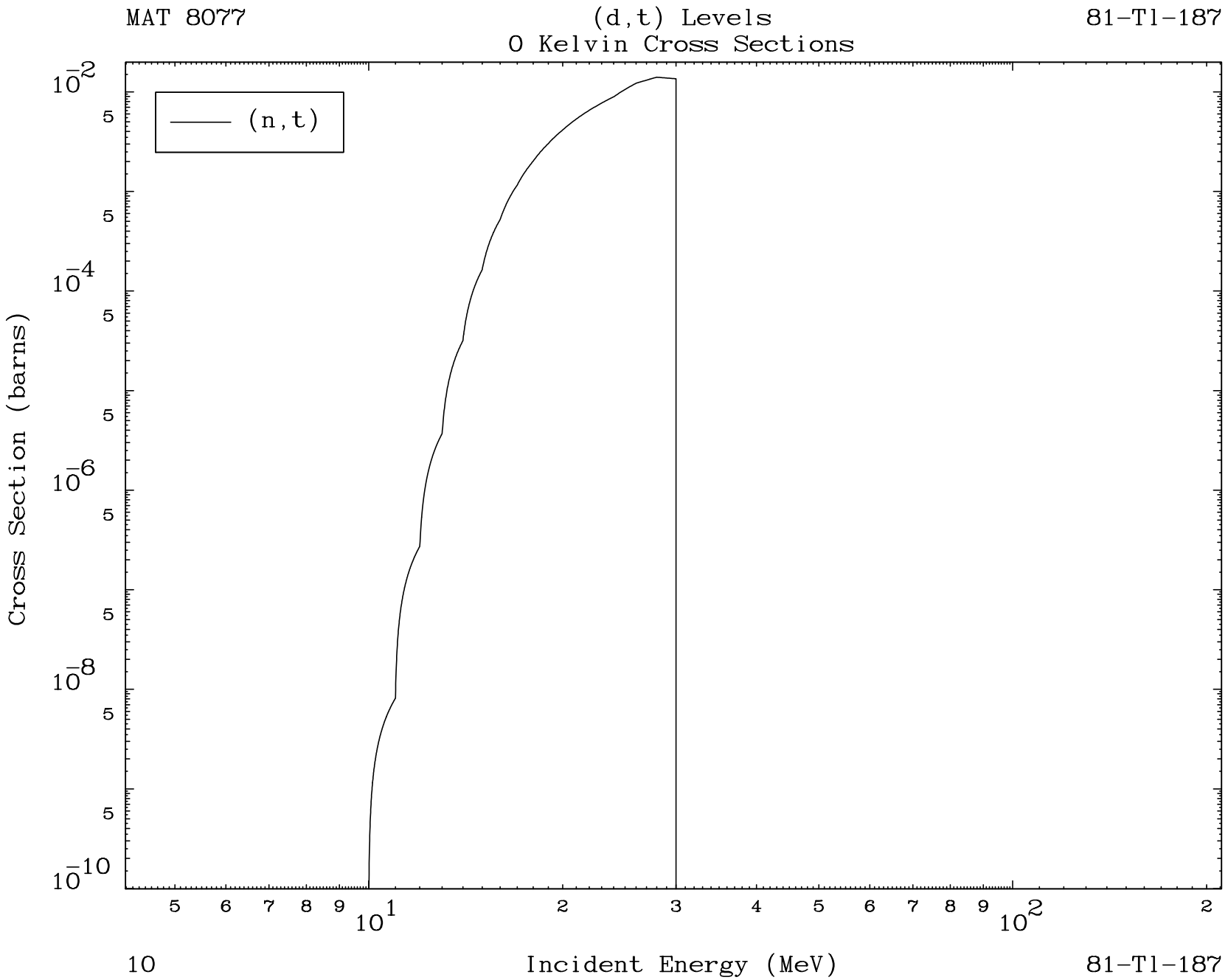

MAT 8077
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-187
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
81-Tl-187

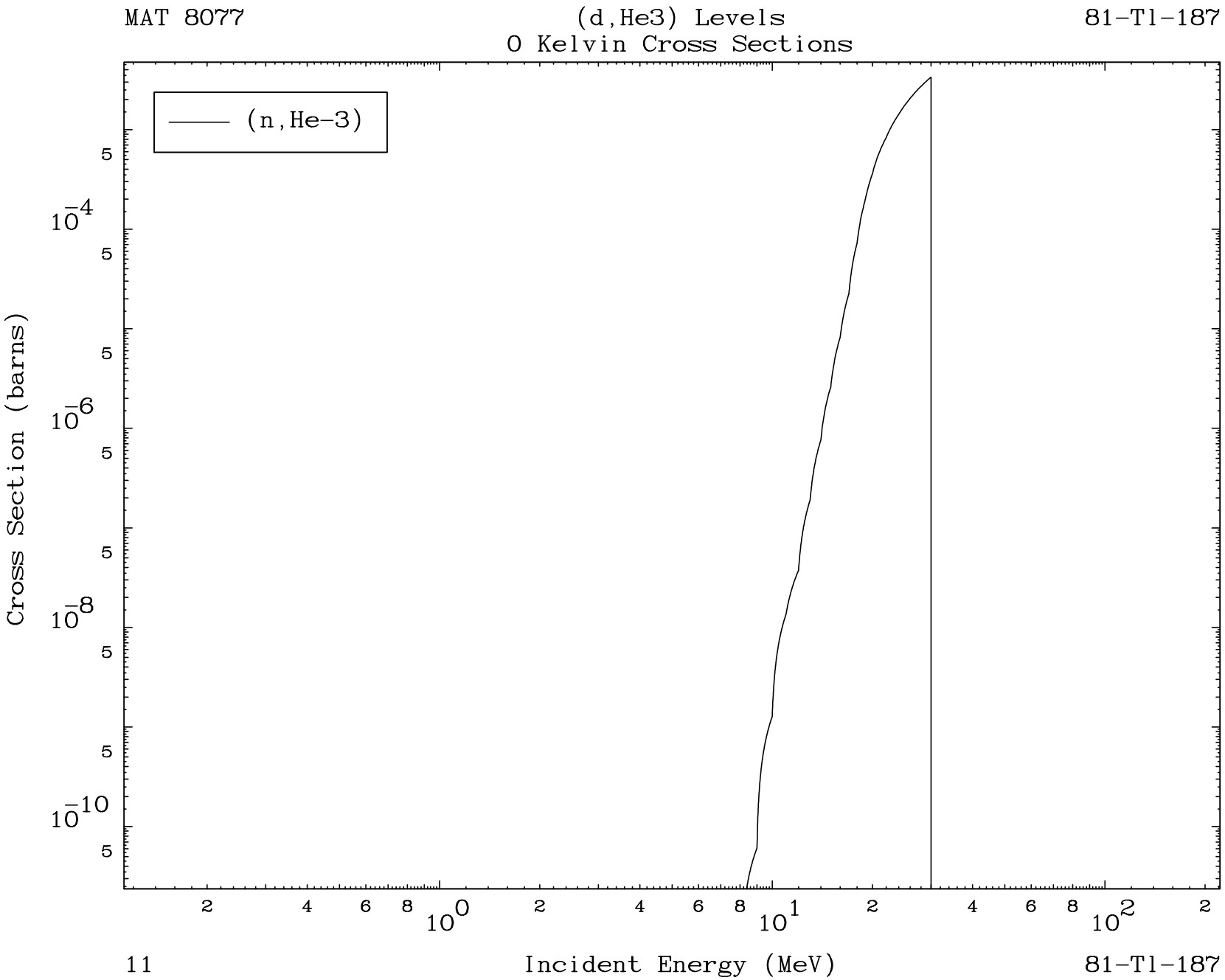

MAT 8077
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-187
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
6
81-Tl-187

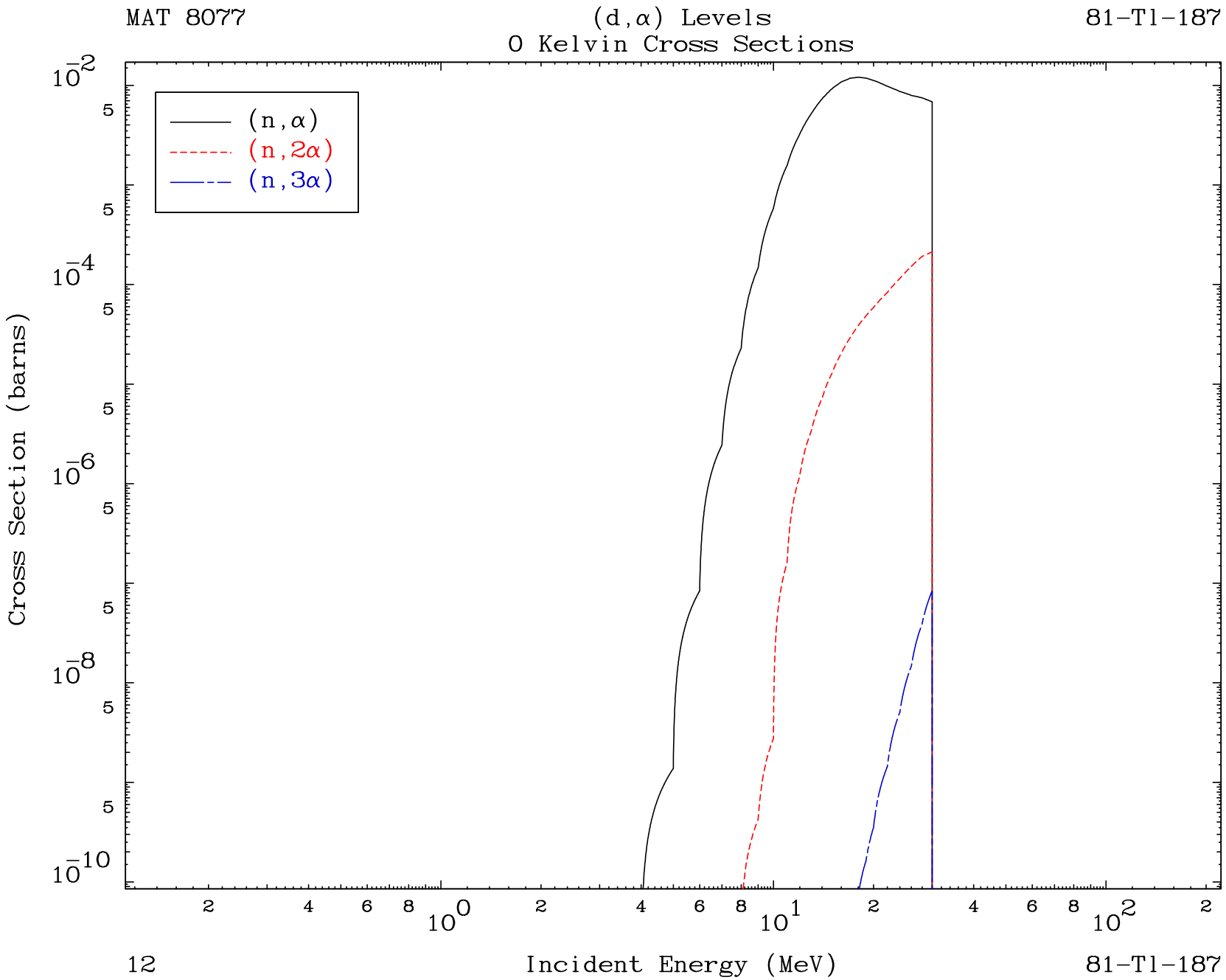

MAT 8077
Deuteron Charged Particle
0 Kelvin Cross Sections
81-Tl-187
(n,n') α
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
81-Tl-187

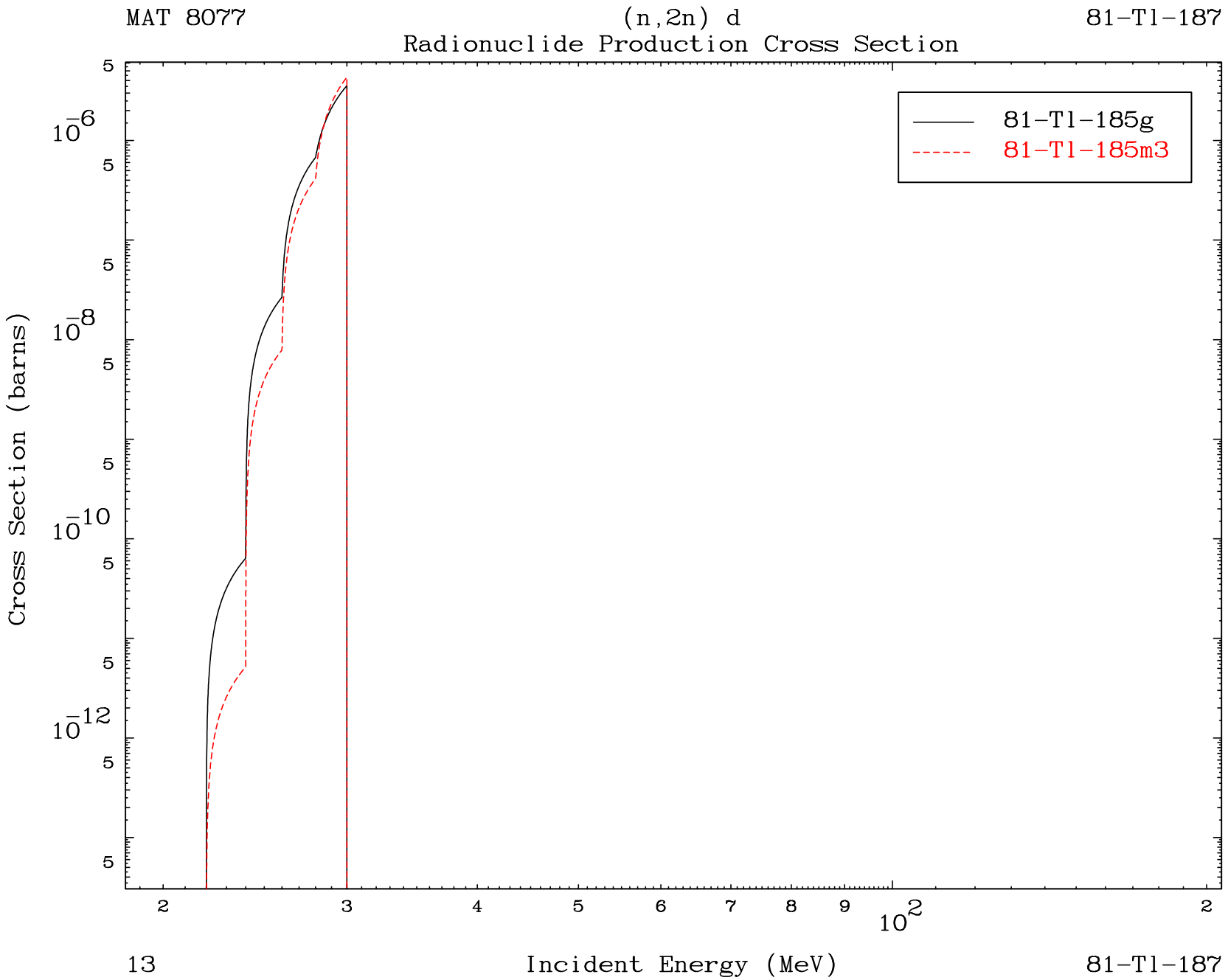

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

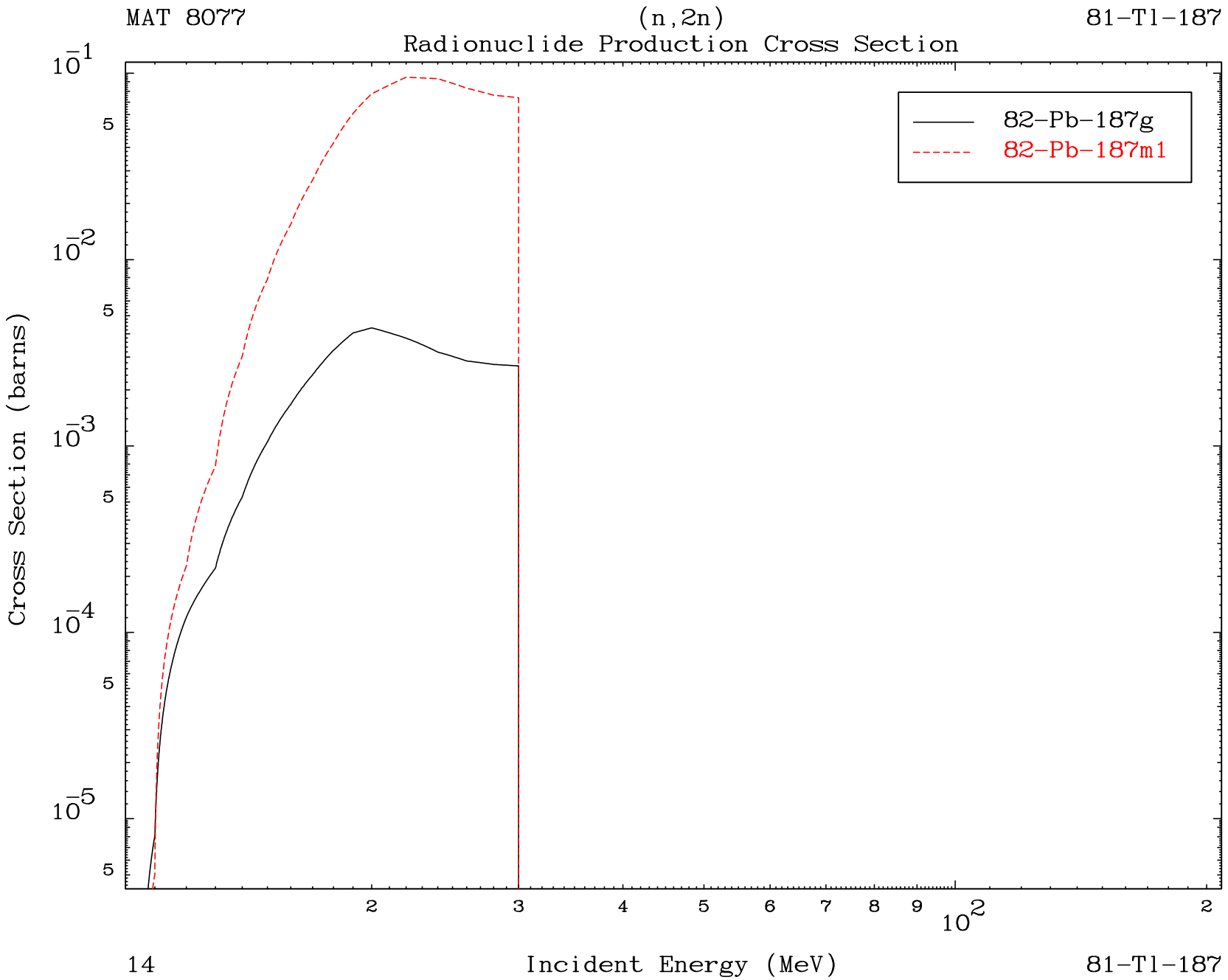

MAT 8077
(d,d) Levels
81-Tl-187
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
9
81-Tl-187

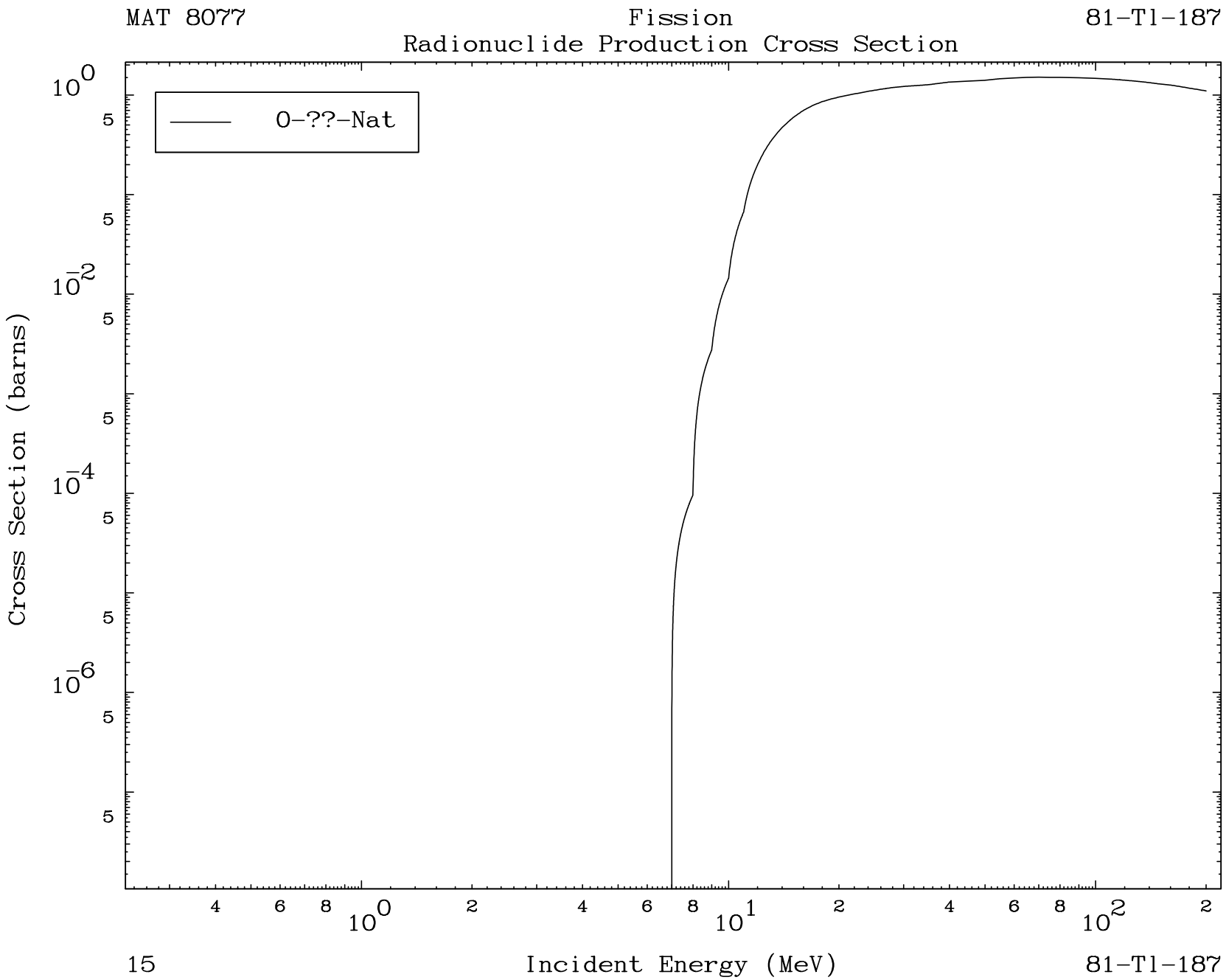

MAT 8077
(d,t) Levels
81-Tl-187
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-187

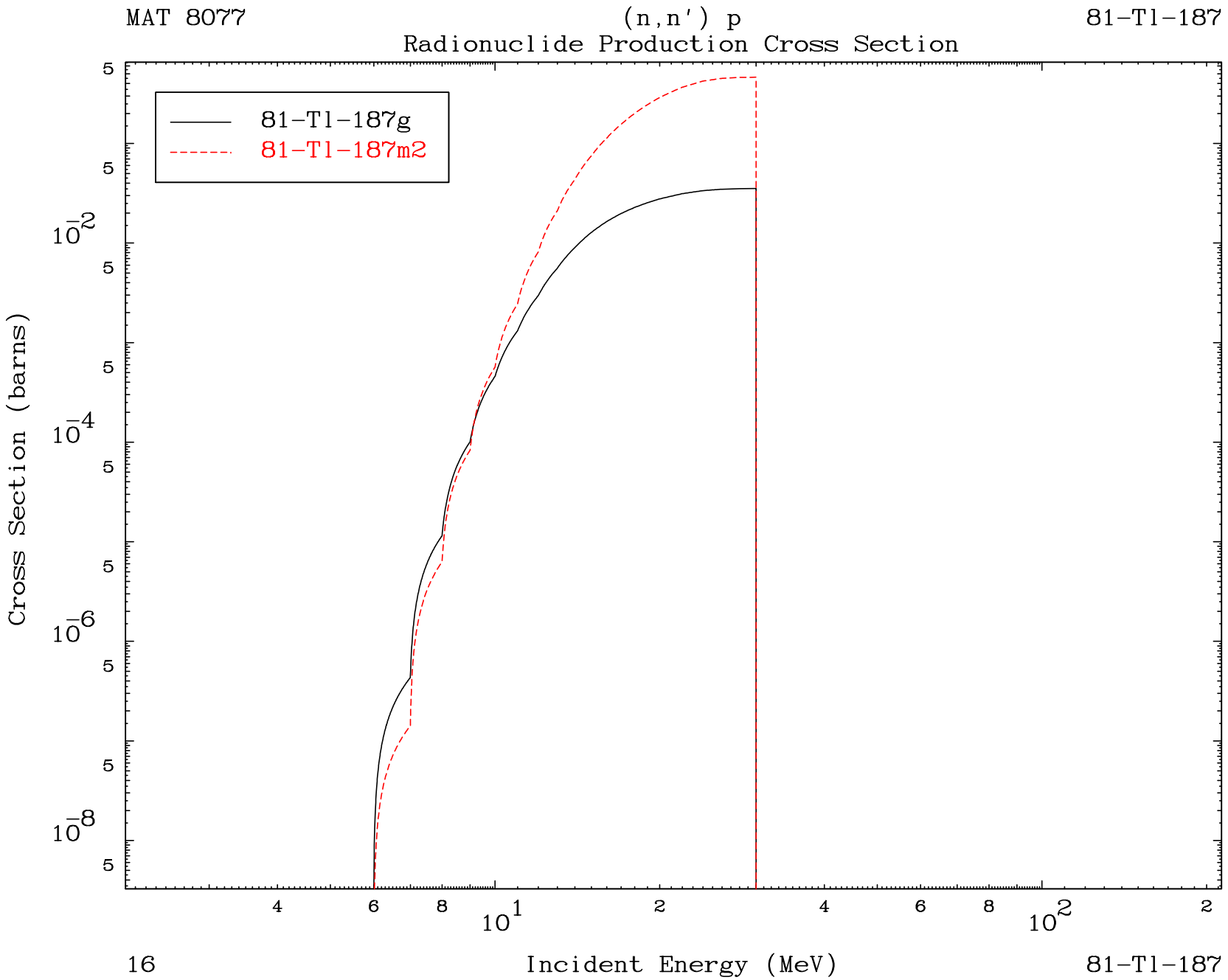

MAT 8077
(d,He3) Levels
81-Tl-187
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
11
81-Tl-187

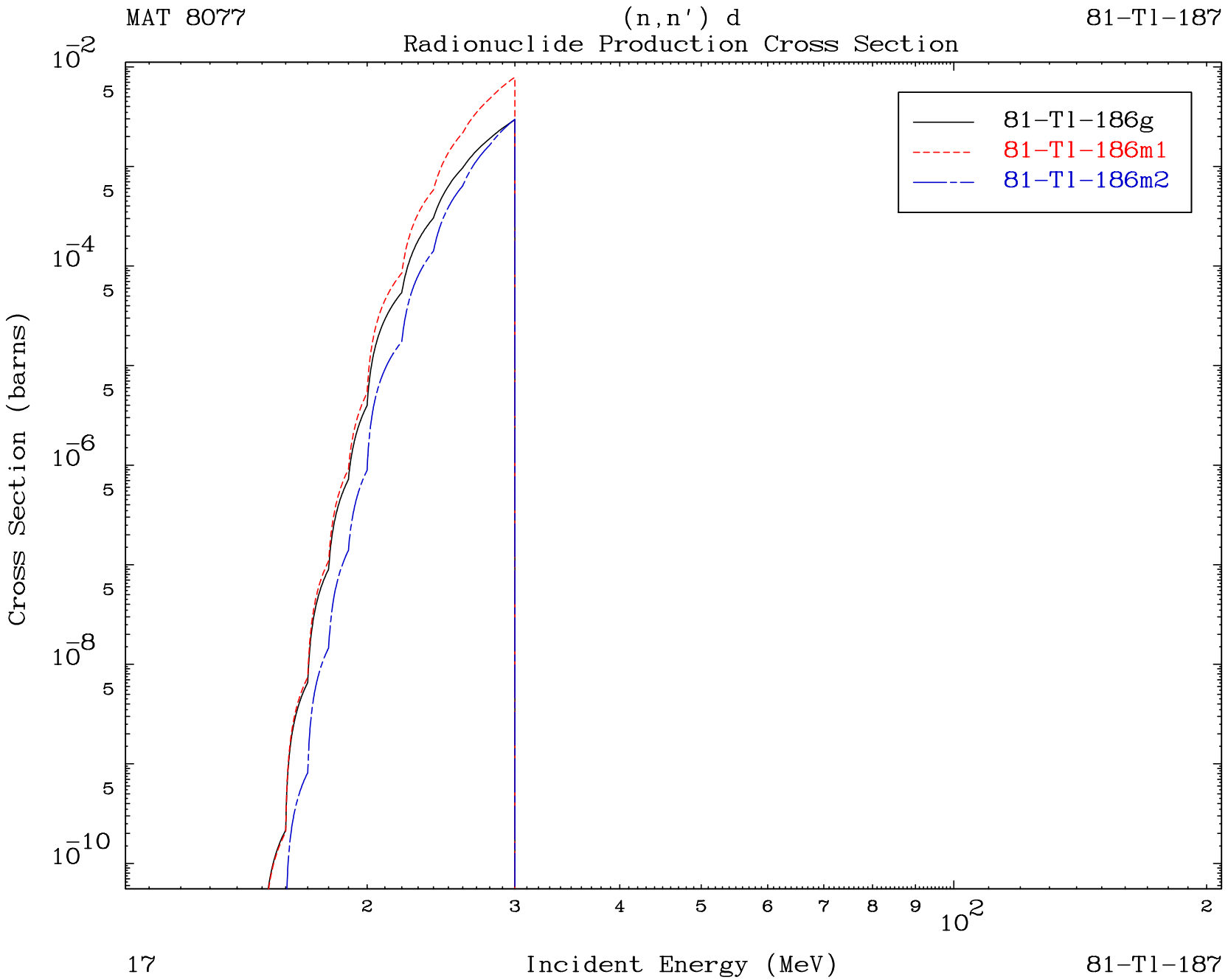

MAT 8077
(d,α) Levels
81-Tl-187
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-187

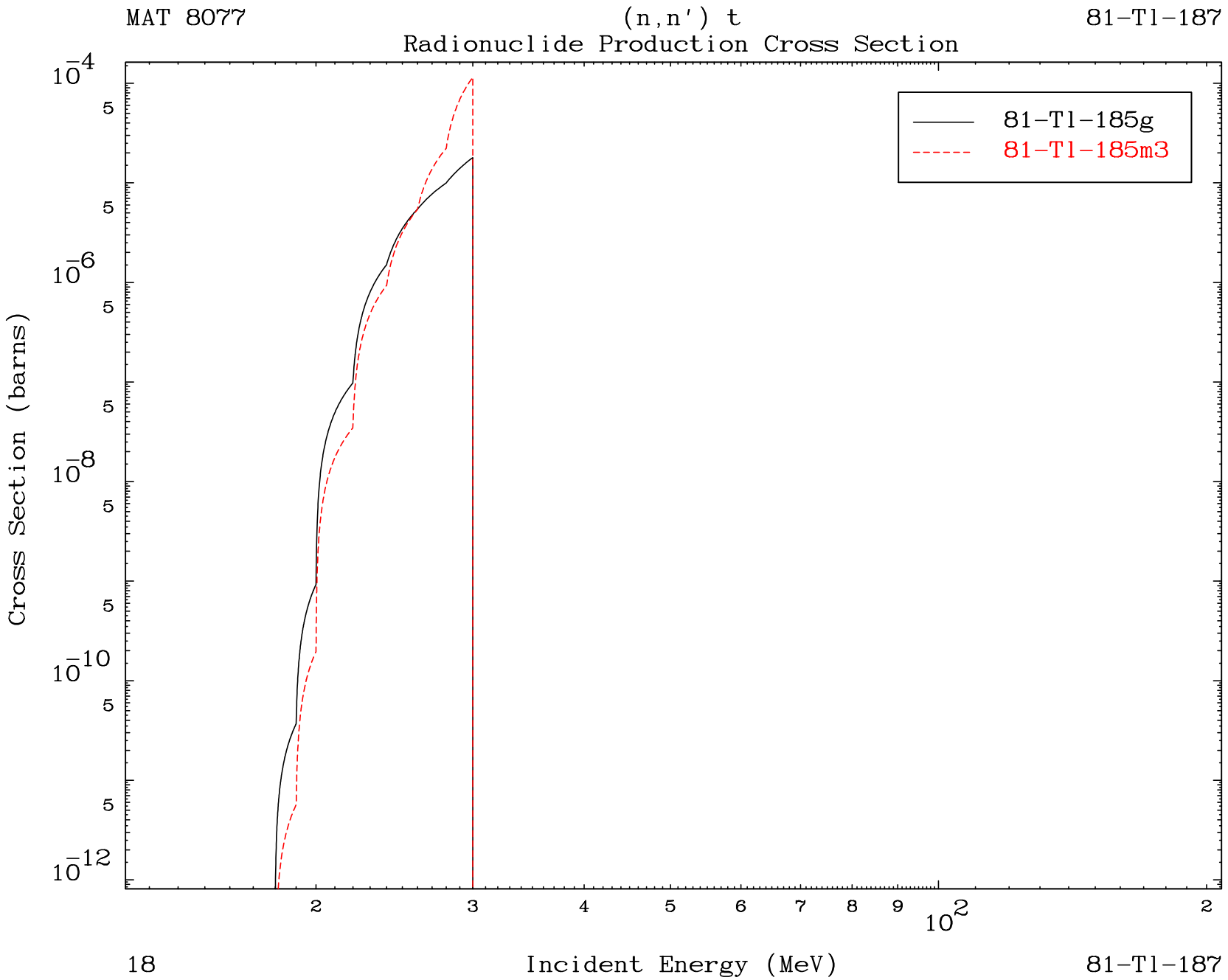

MAT 8077
(n,2n) d
81-Tl-187
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
Incident Energy (MeV)
13
81-Tl-187

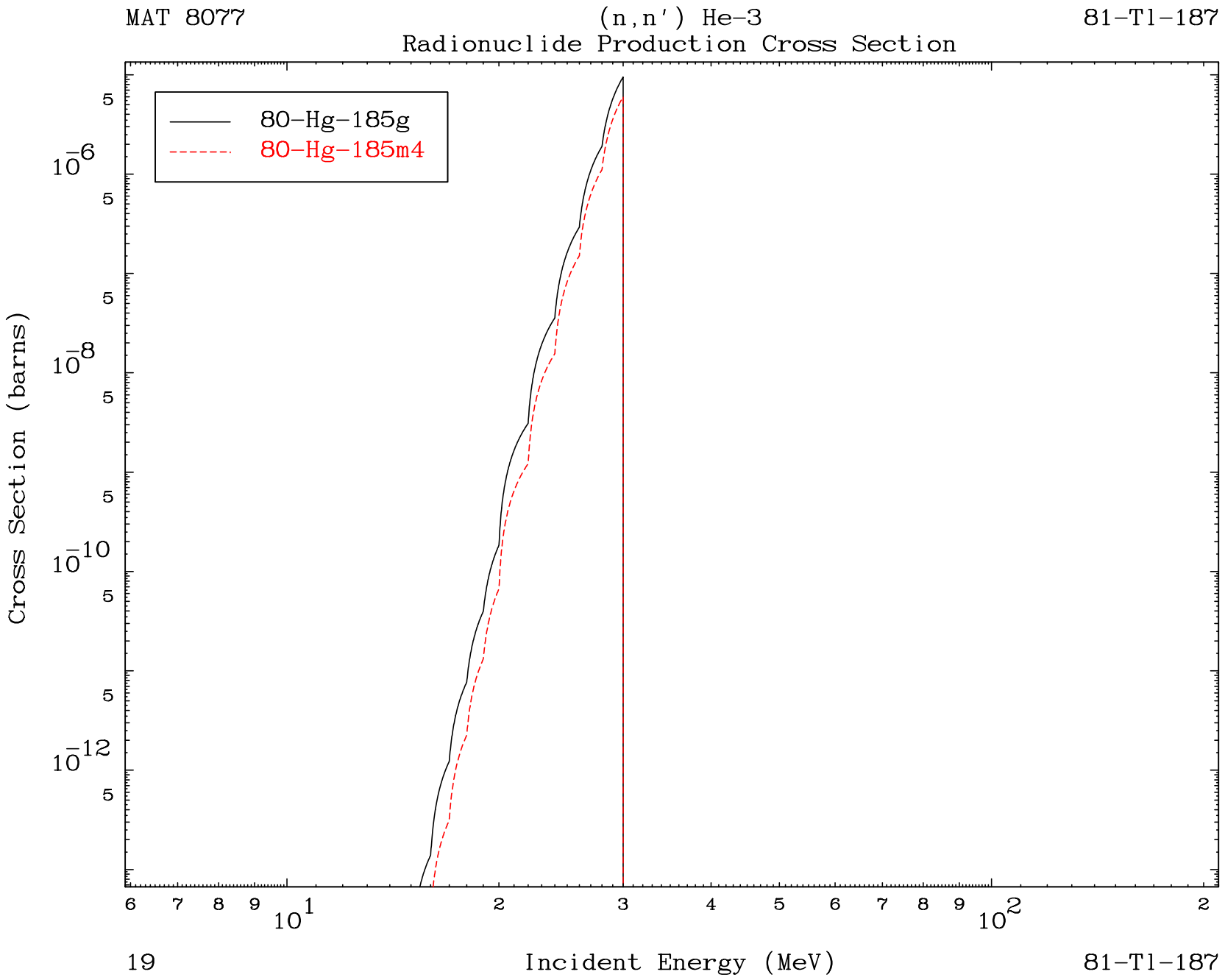

MAT 8077
(n,2n)
81-Tl-187
Radionuclide Production Cross Section
82-Pb-187g
82-Pb-187m1
Cross Section (barns)
Incident Energy (MeV)
14
81-Tl-187

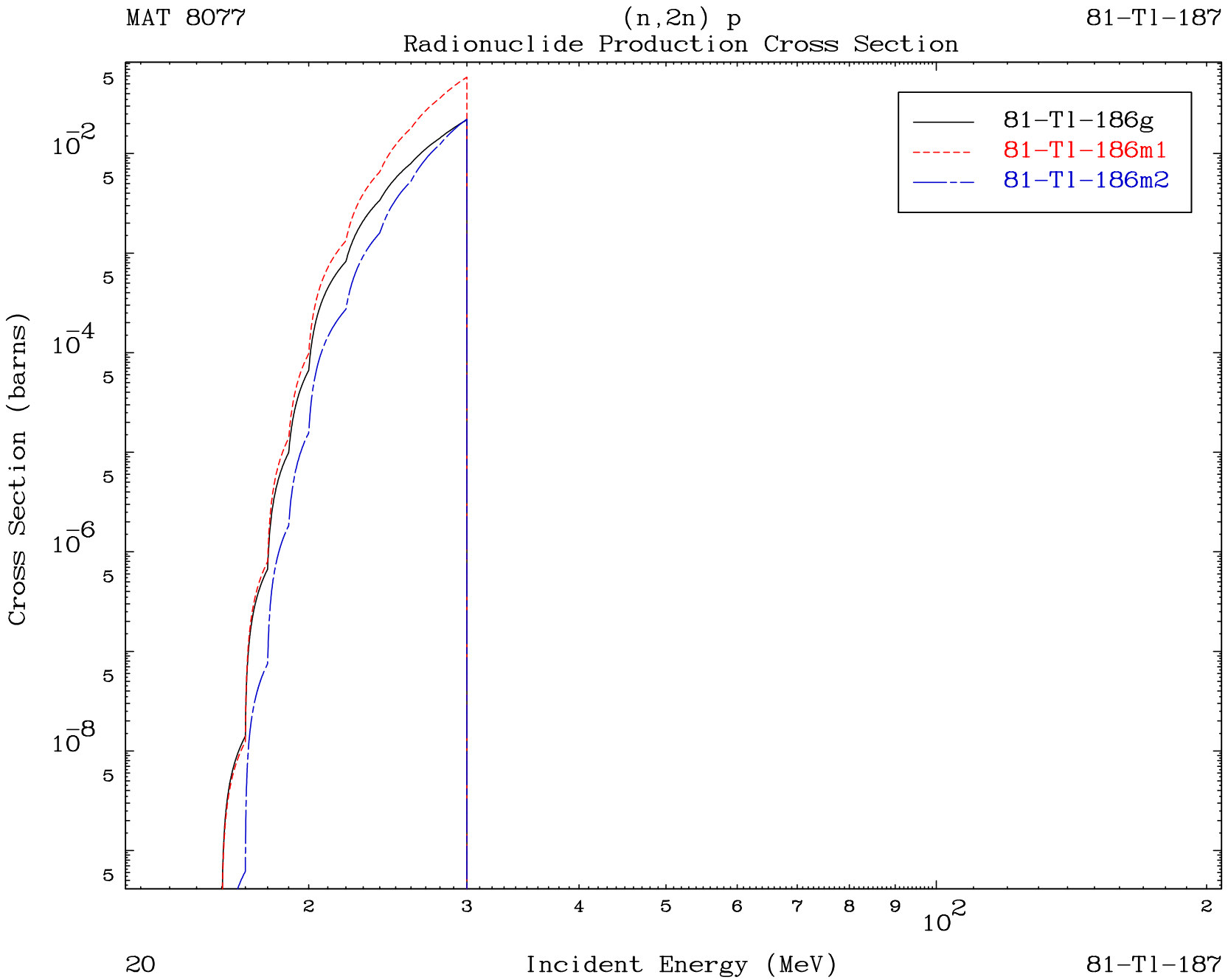

MAT 8077
Fission
81-Tl-187
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
81-Tl-187

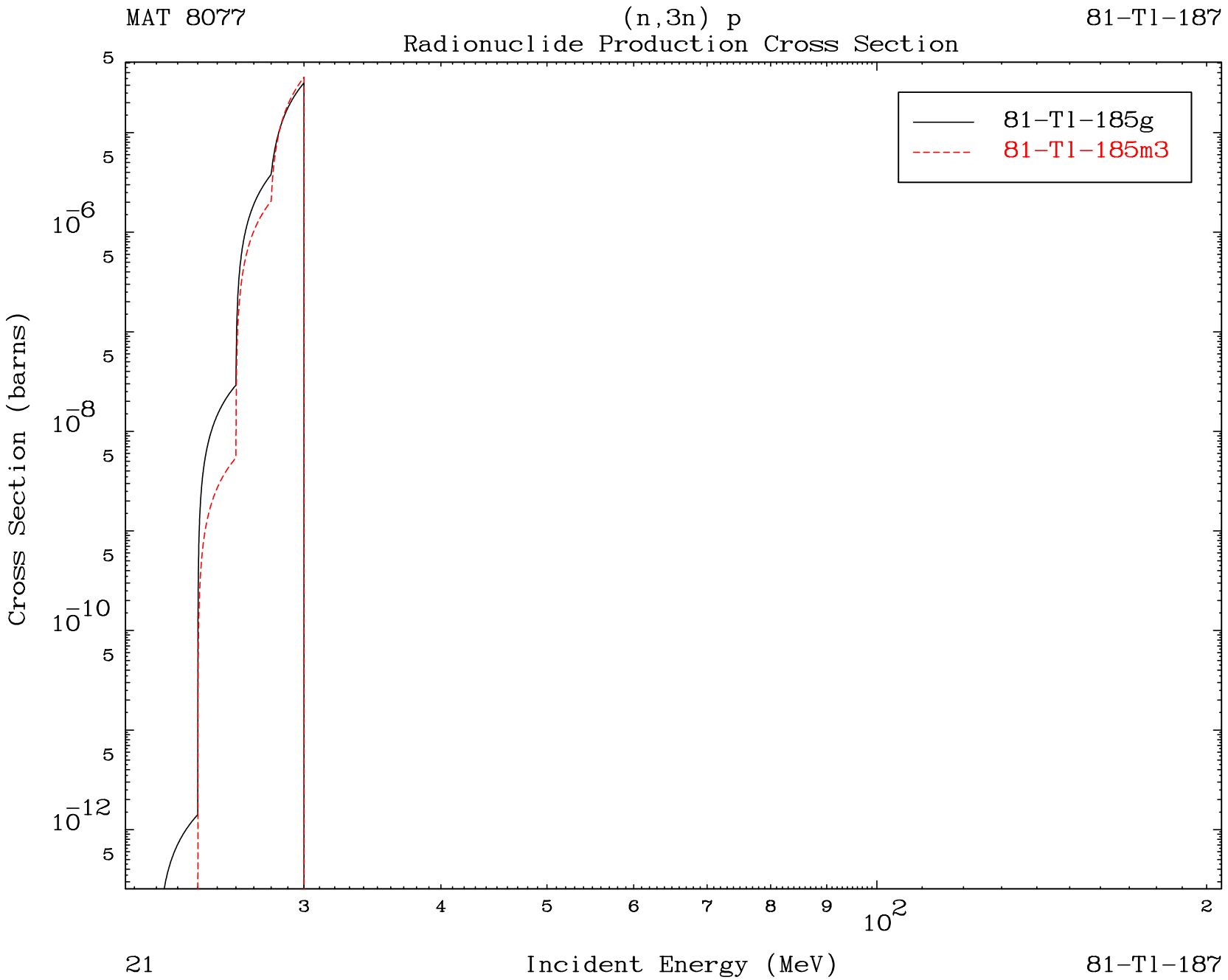

MAT 8077
(n,n') p
81-Tl-187
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
16
81-Tl-187

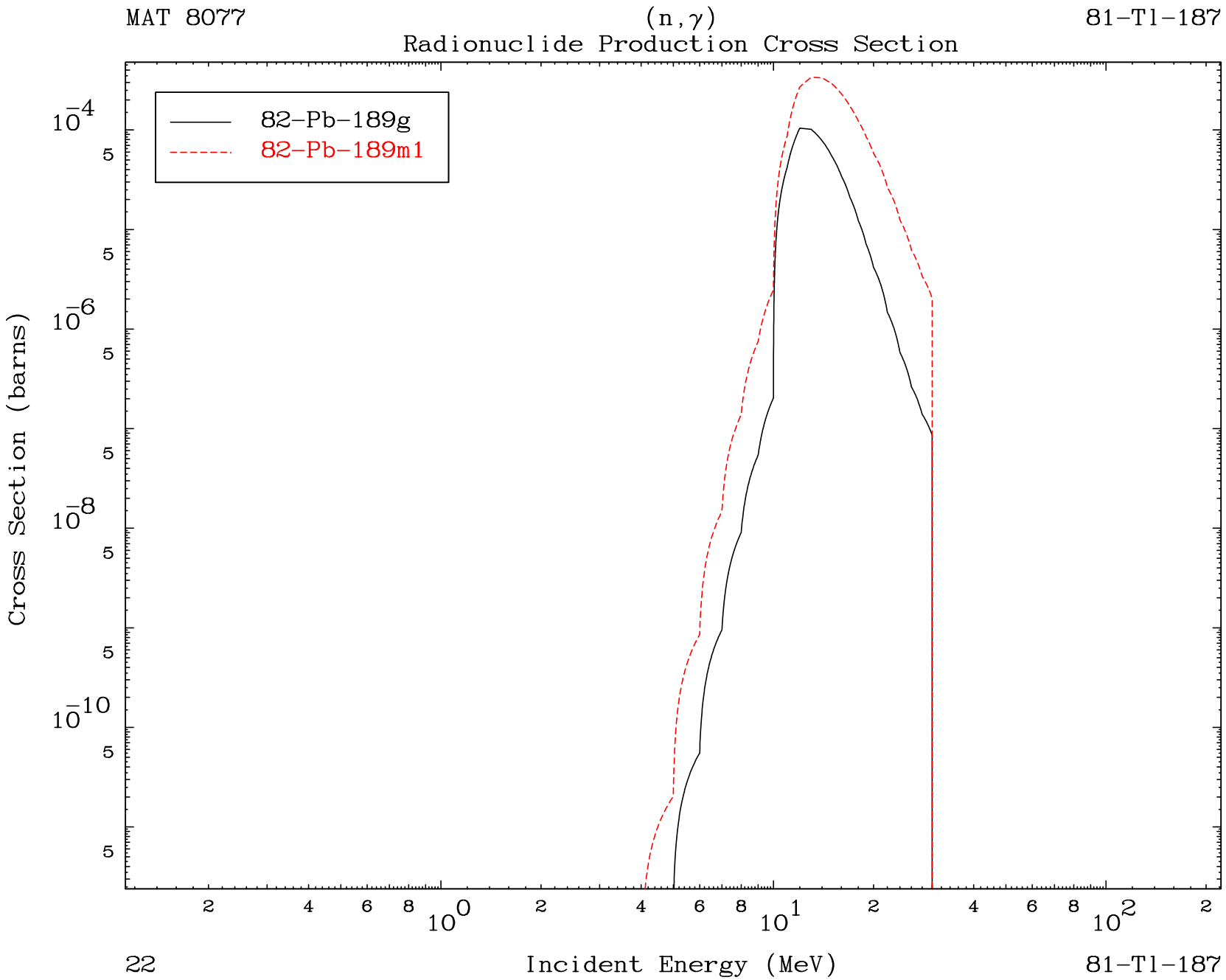

MAT 8077
(n,n') d
81-Tl-187
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
17
81-Tl-187

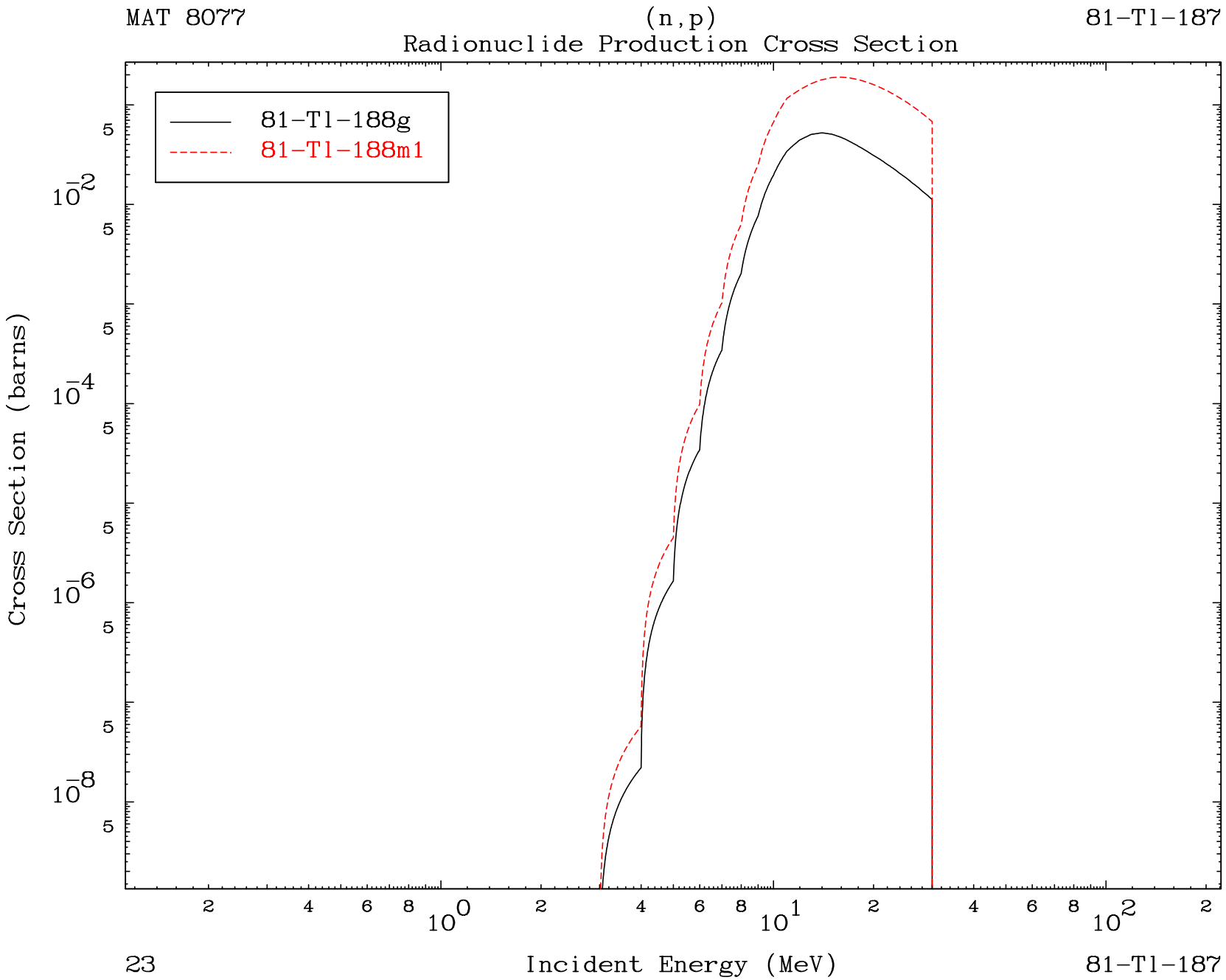

MAT 8077
(n,n') t
81-Tl-187
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
Incident Energy (MeV)
18
81-Tl-187

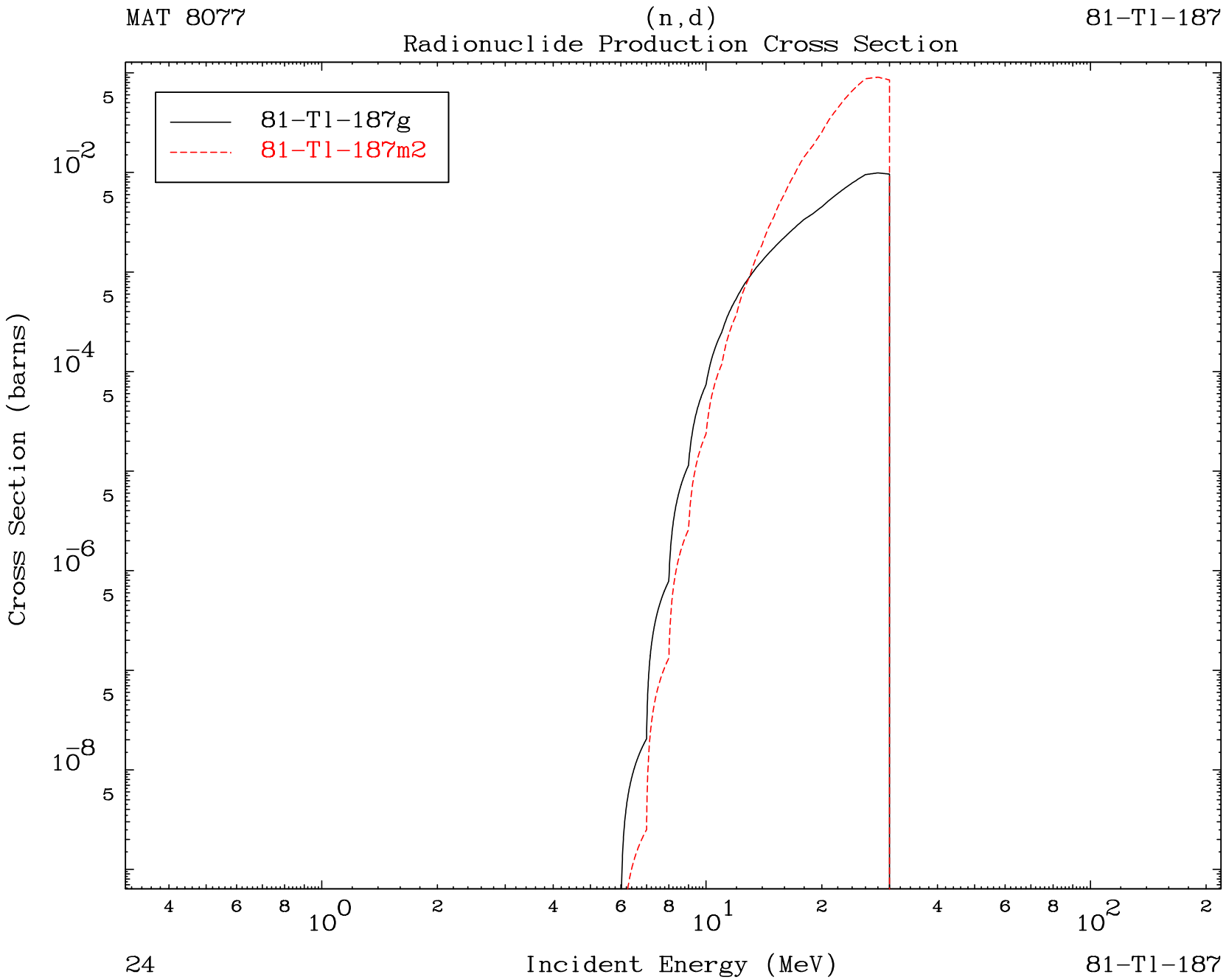

MAT 8077
(n,n') He-3
81-Tl-187
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
19
Incident Energy (MeV)
81-Tl-187

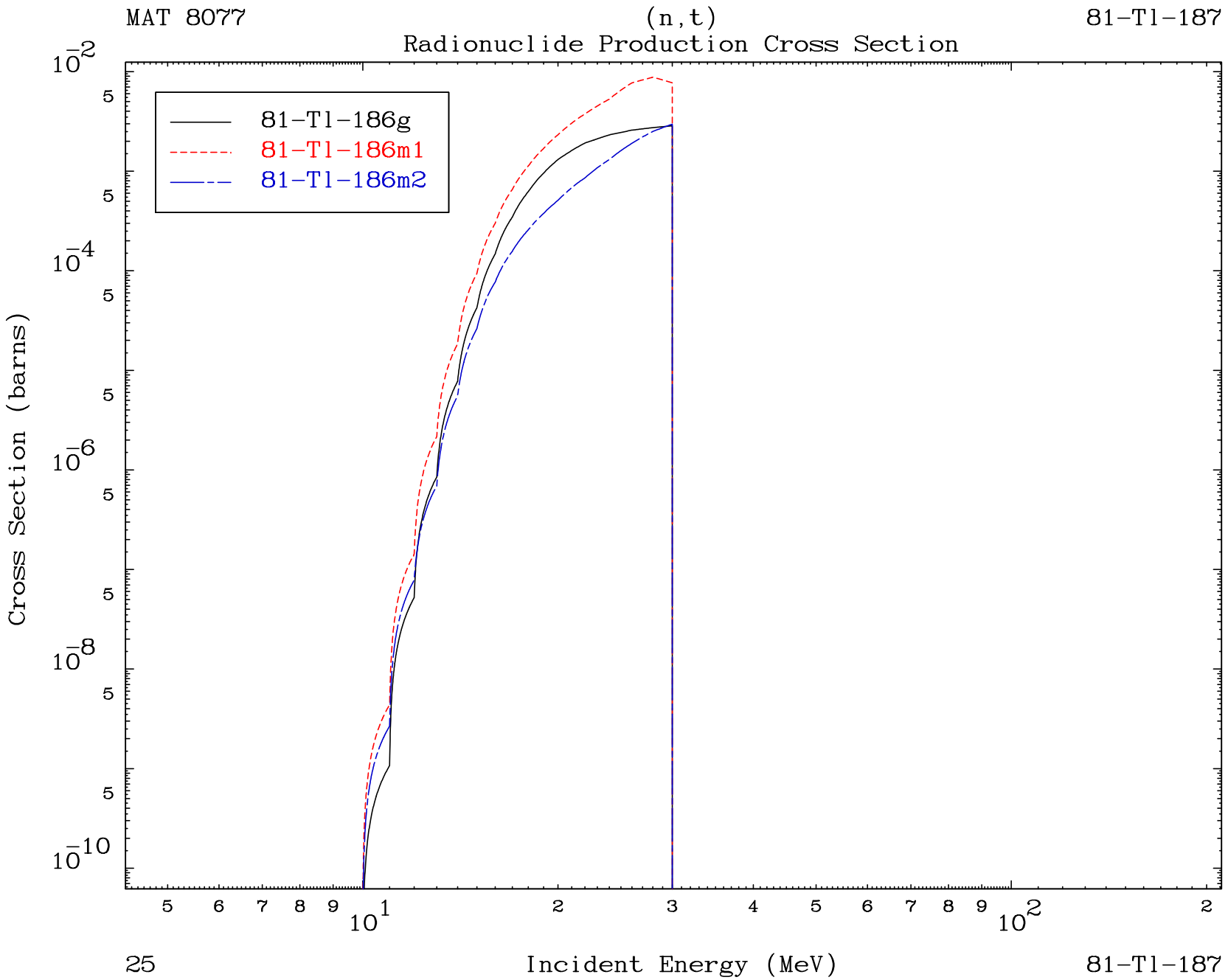

MAT 8077
(n,2n) p
81-Tl-187
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
20
81-Tl-187

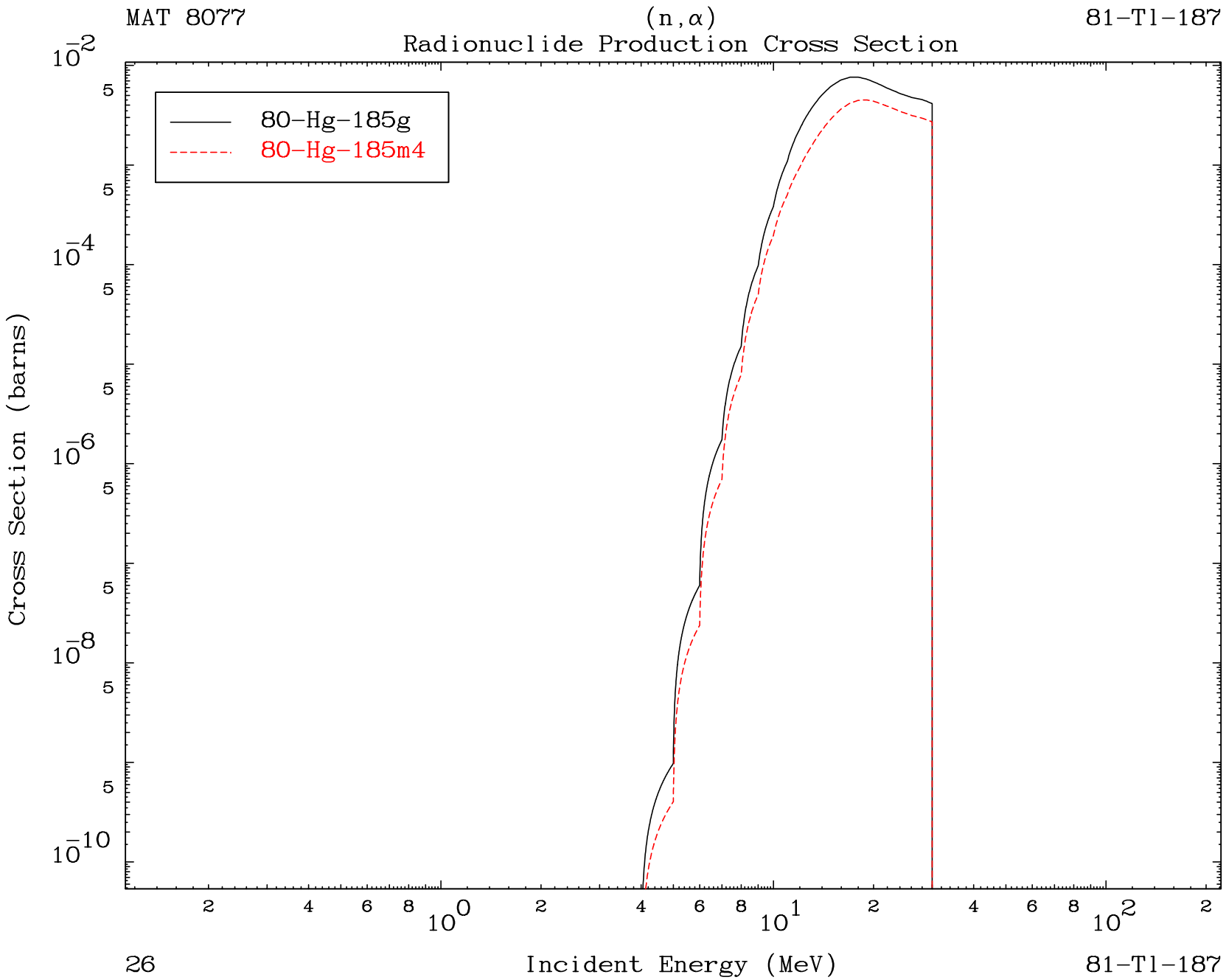

MAT 8077
(n,3n) p
81-Tl-187
Radionuclide Production Cross Section
81-Tl-185g
81-Tl-185m3
Cross Section (barns)
Incident Energy (MeV)
21
81-Tl-187

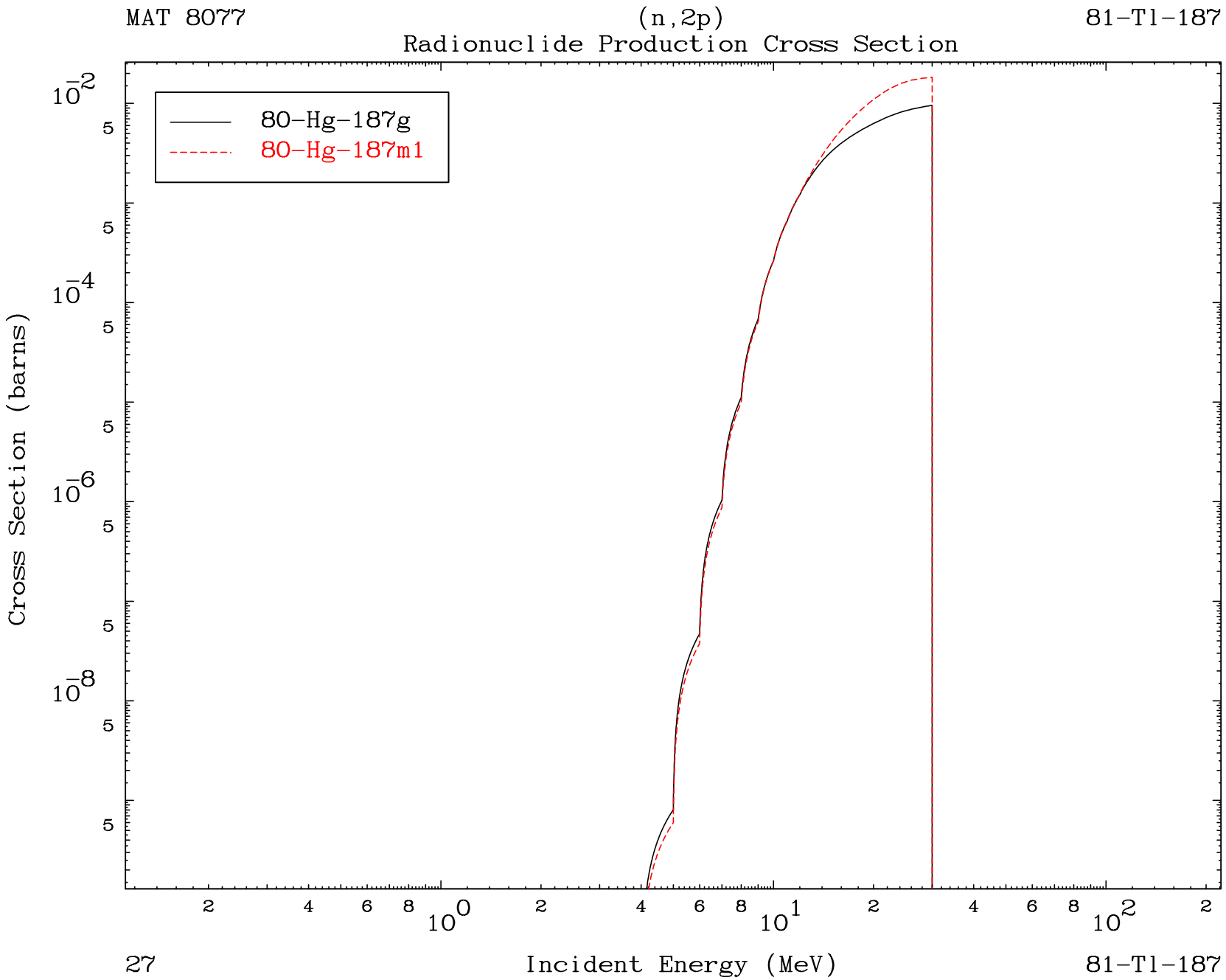

MAT 8077
(n,γ)
81-Tl-187
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
22
81-Tl-187

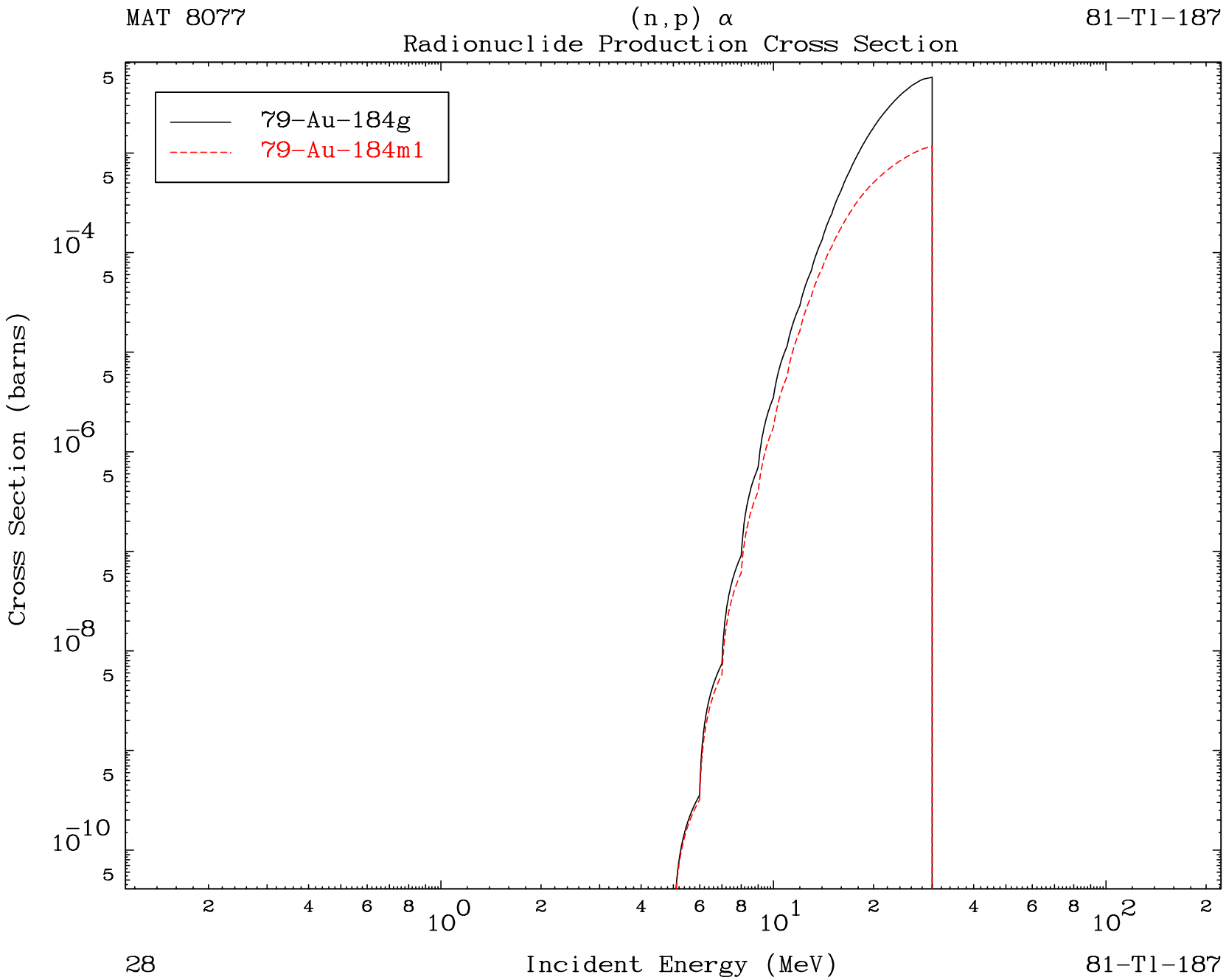

MAT 8077
(n,p)
81-Tl-187
Radionuclide Production Cross Section
81-Tl-188g
81-Tl-188m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
81-Tl-187

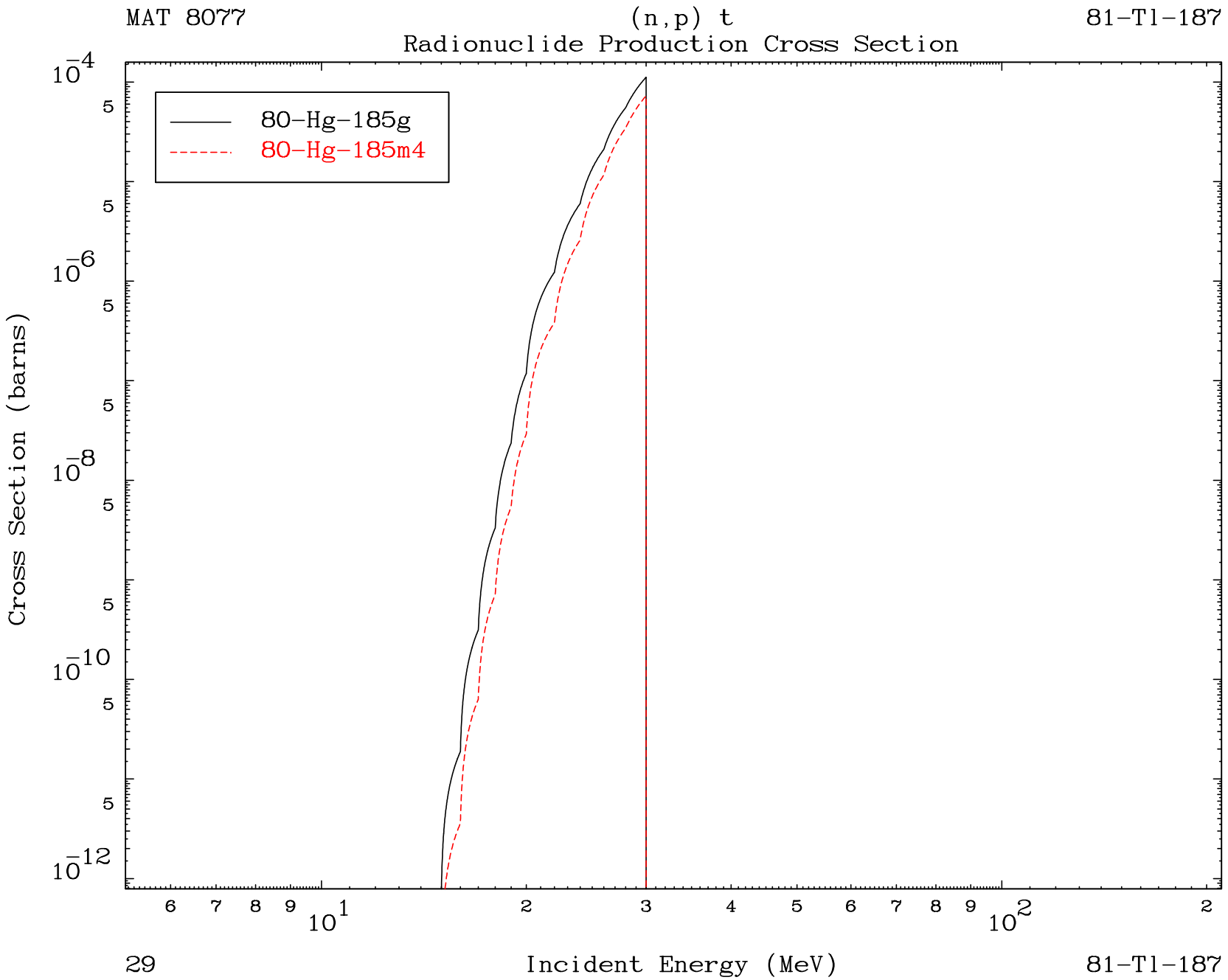

MAT 8077
(n,d)
81-Tl-187
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
24
81-Tl-187


MAT 8077
(n,t)
81-Tl-187
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
25
81-Tl-187


MAT 8077
(n,α)
81-Tl-187
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
Incident Energy (MeV)
26
81-Tl-187


MAT 8077
(n,2p)
81-Tl-187
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
27
81-Tl-187


MAT 8077
(n,p) α
81-Tl-187
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
28
81-Tl-187


MAT 8077
(n,p) t
81-Tl-187
Radionuclide Production Cross Section
80-Hg-185g
80-Hg-185m4
Cross Section (barns)
Incident Energy (MeV)
29
81-Tl-187