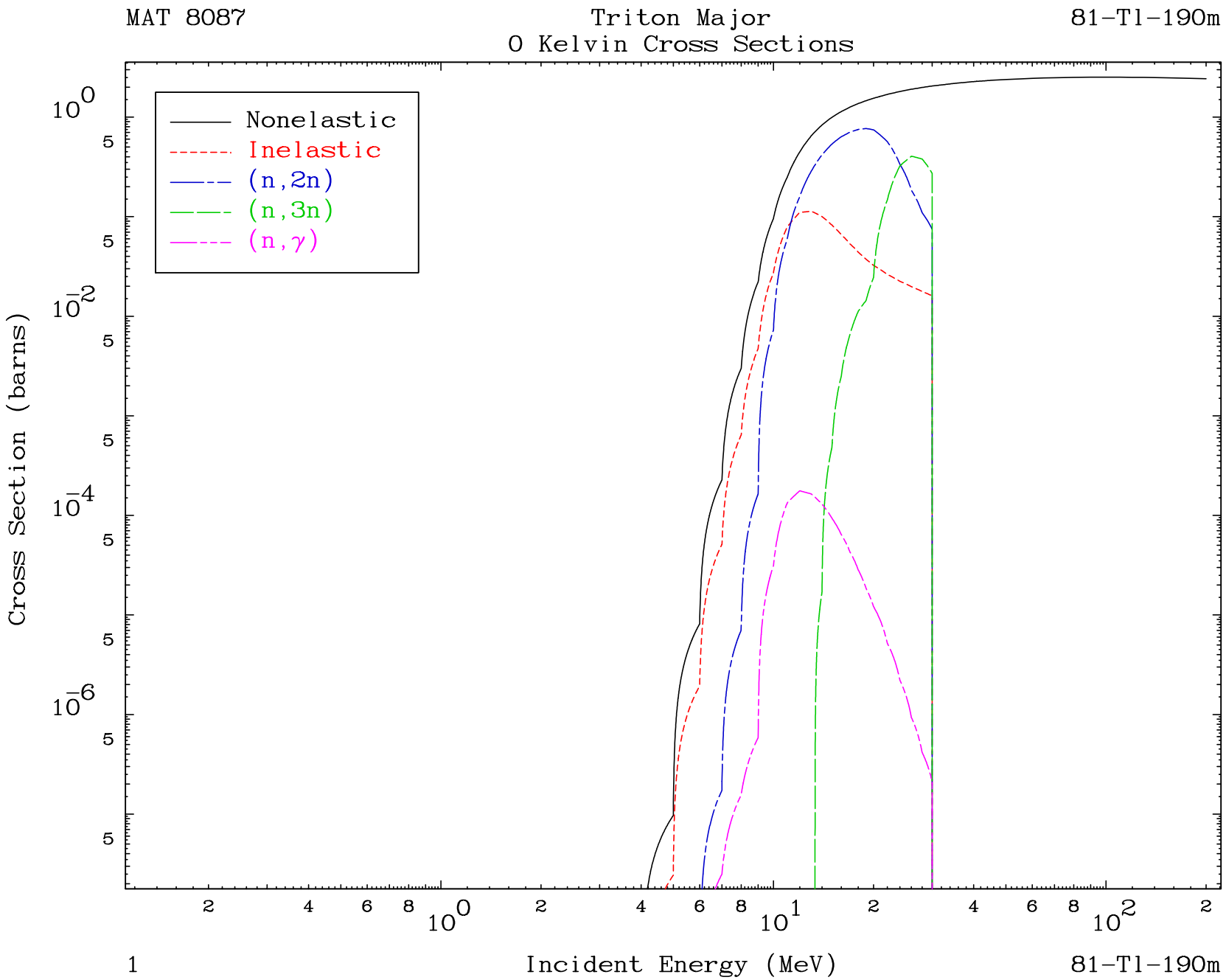
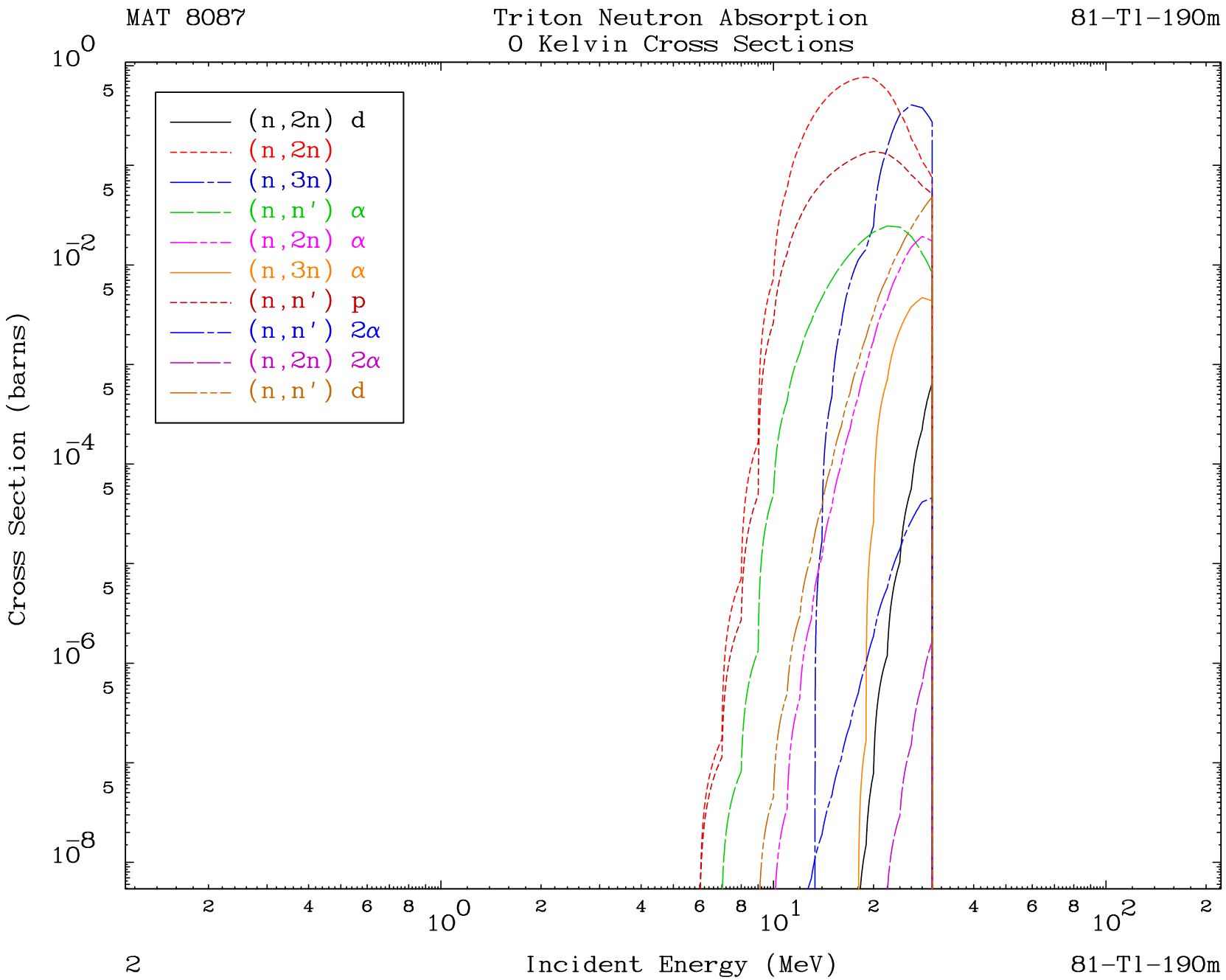
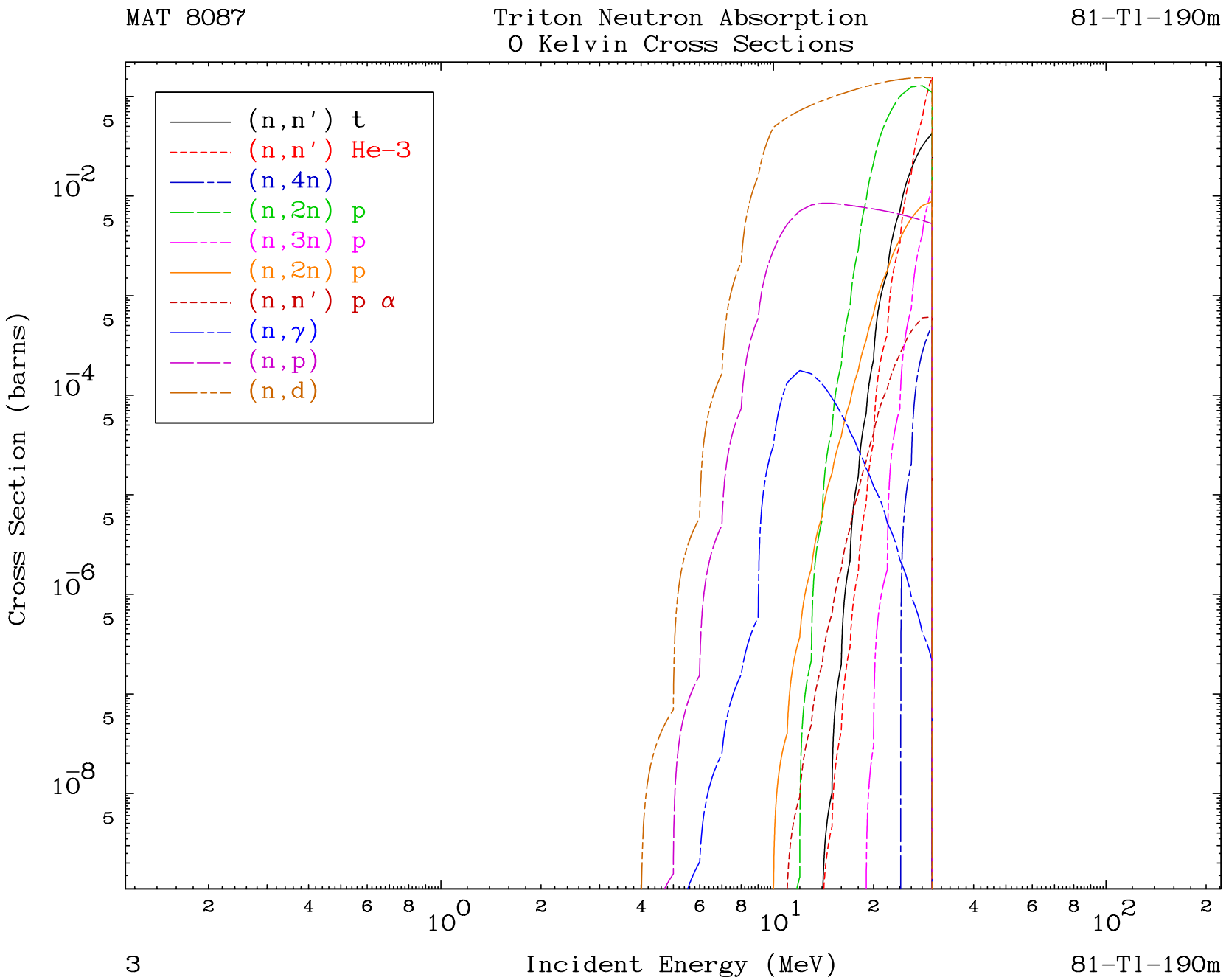
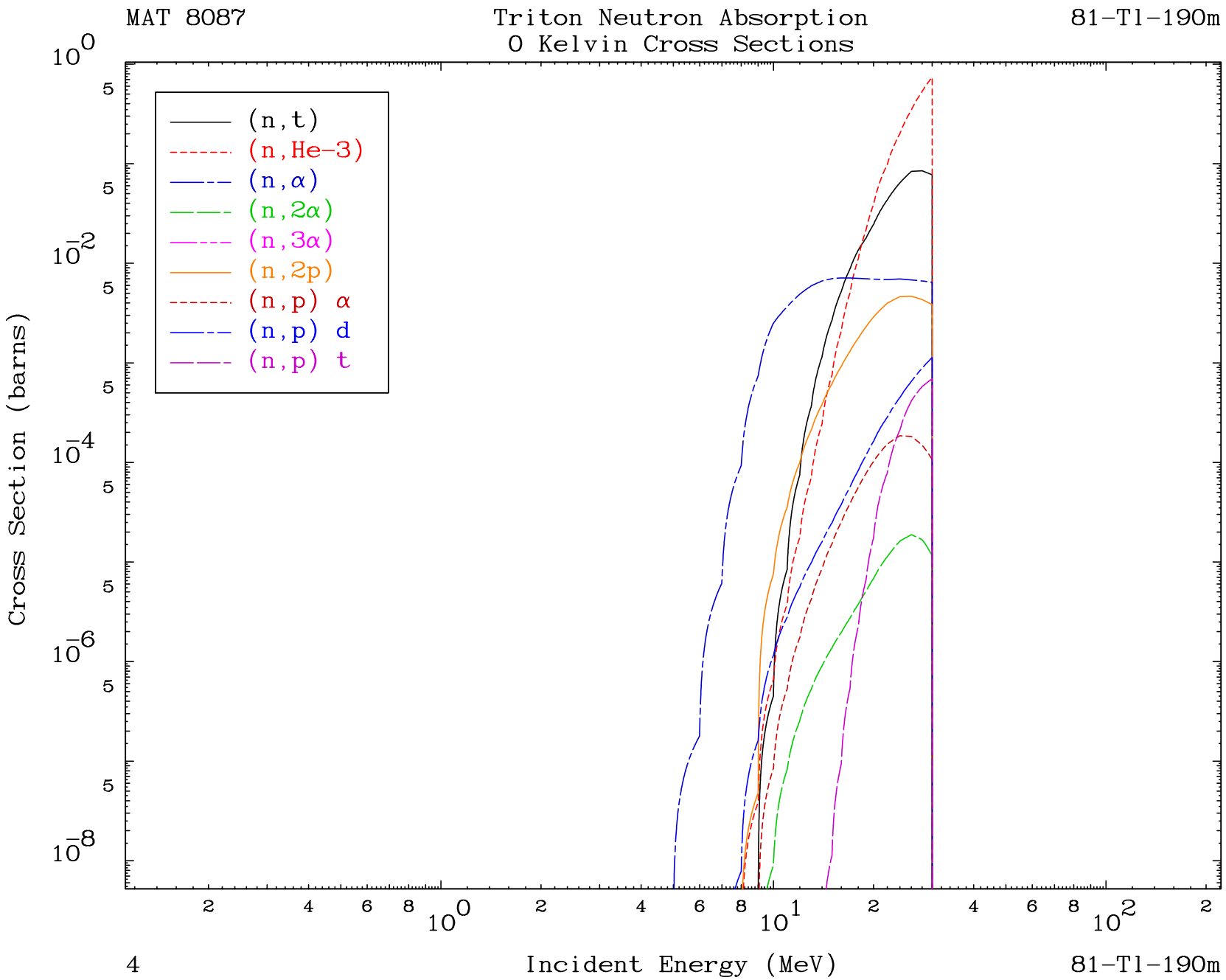
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

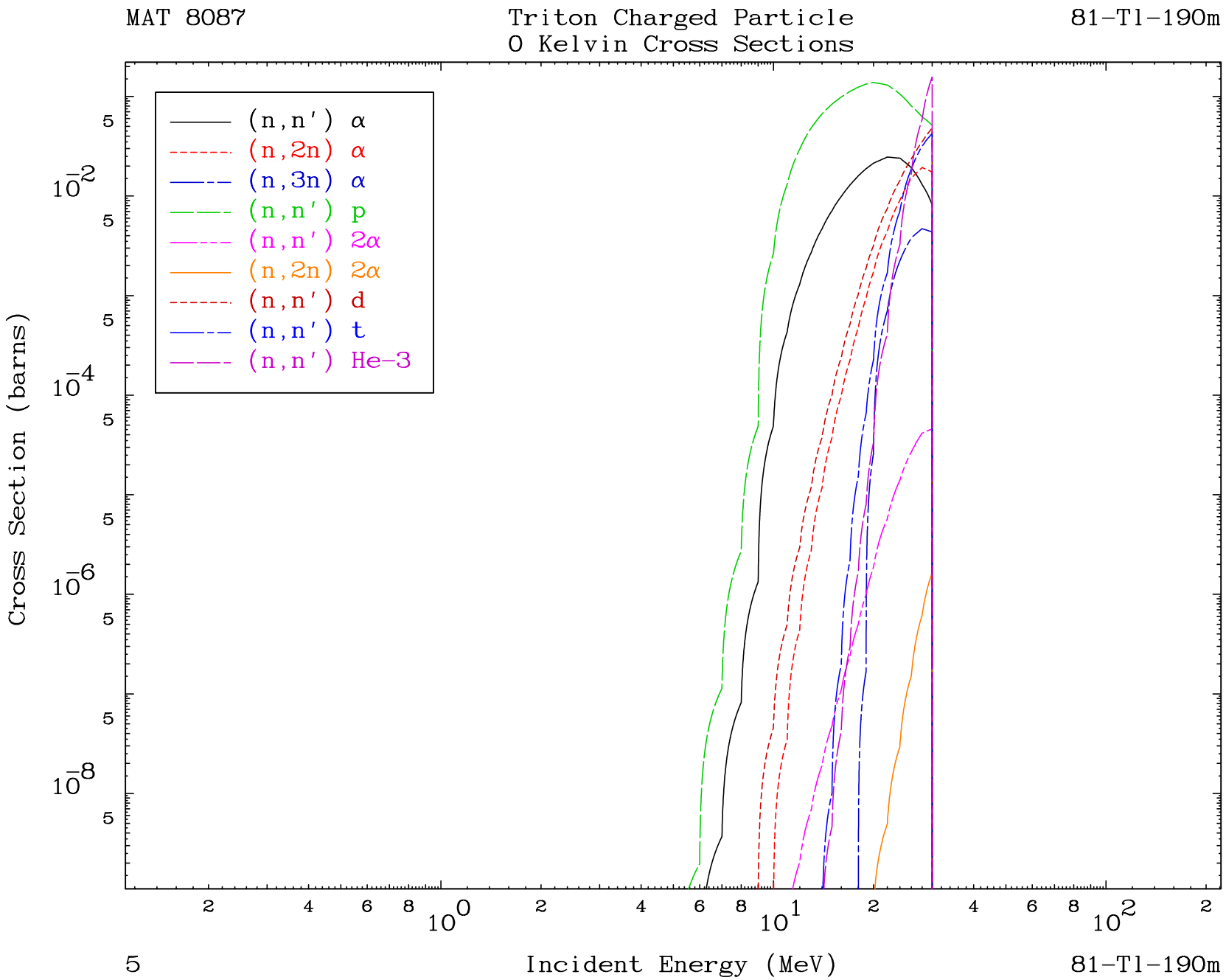
Press Mouse Button to Start

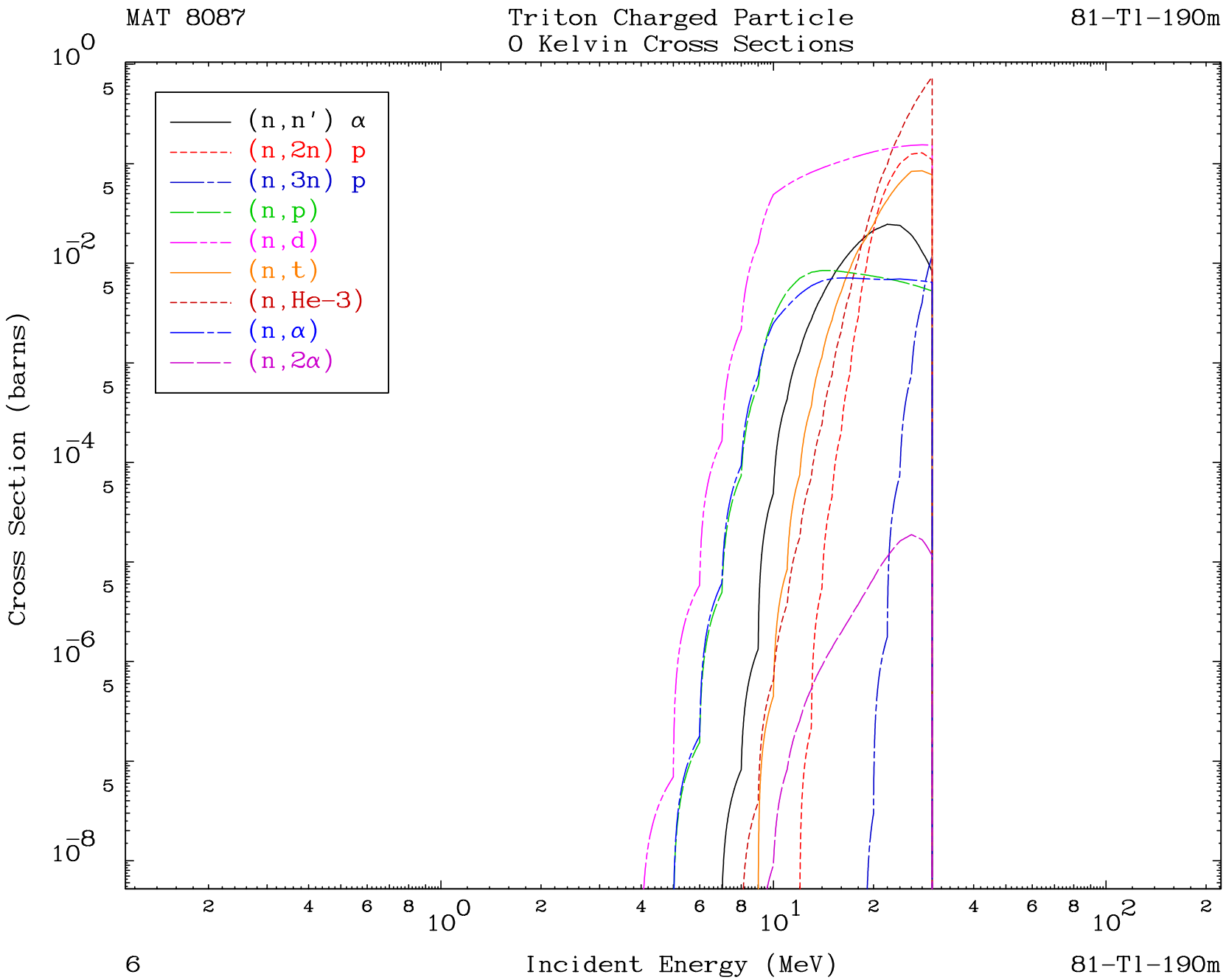

MAT 8087
Triton Major
81-Tl-190m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-190m

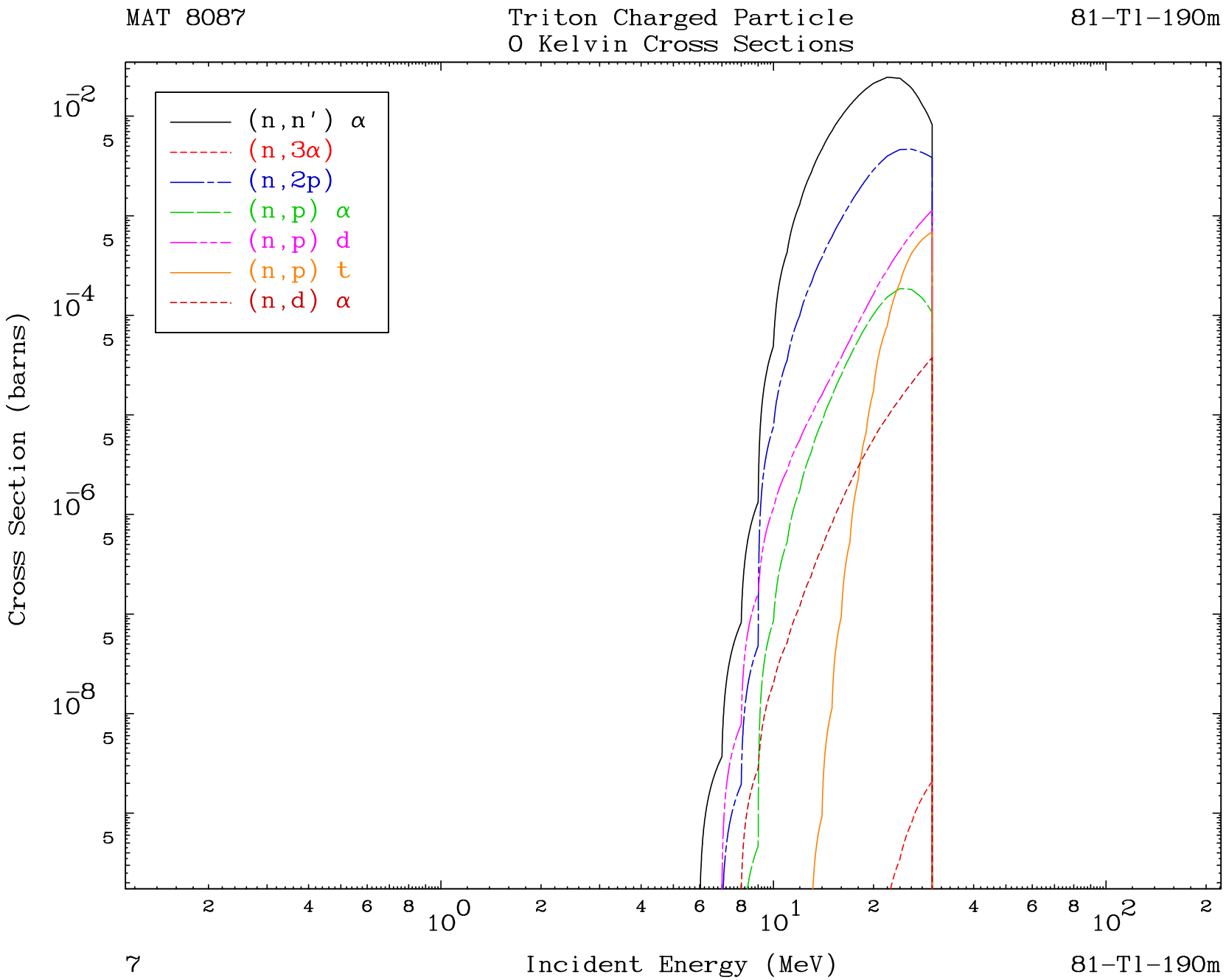

MAT 8087
Triton Neutron Absorption
0 Kelvin Cross Sections
81-Tl-190m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
81-Tl-190m

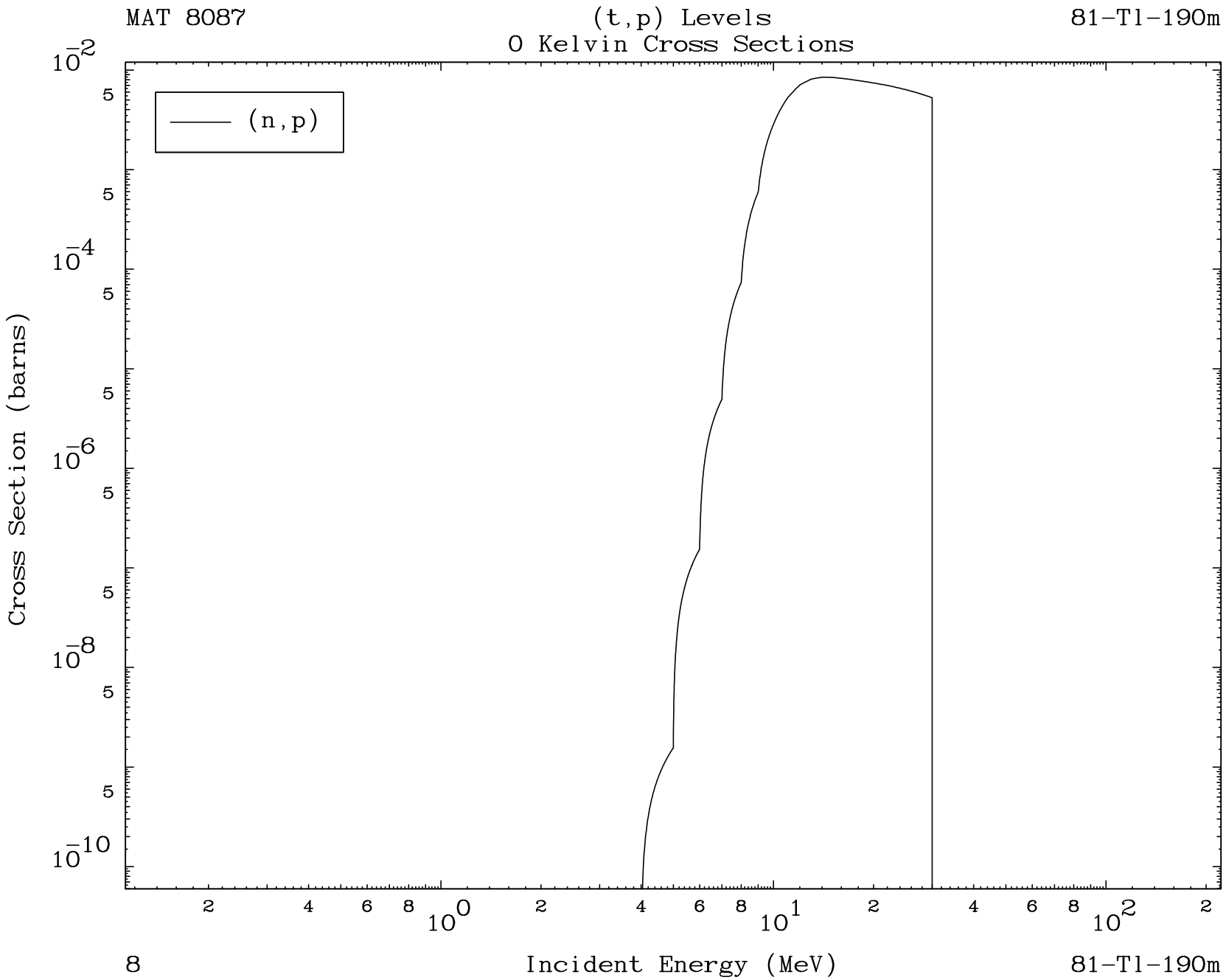

MAT 8087
Triton Neutron Absorption
0 Kelvin Cross Sections
81-Tl-190m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
81-Tl-190m

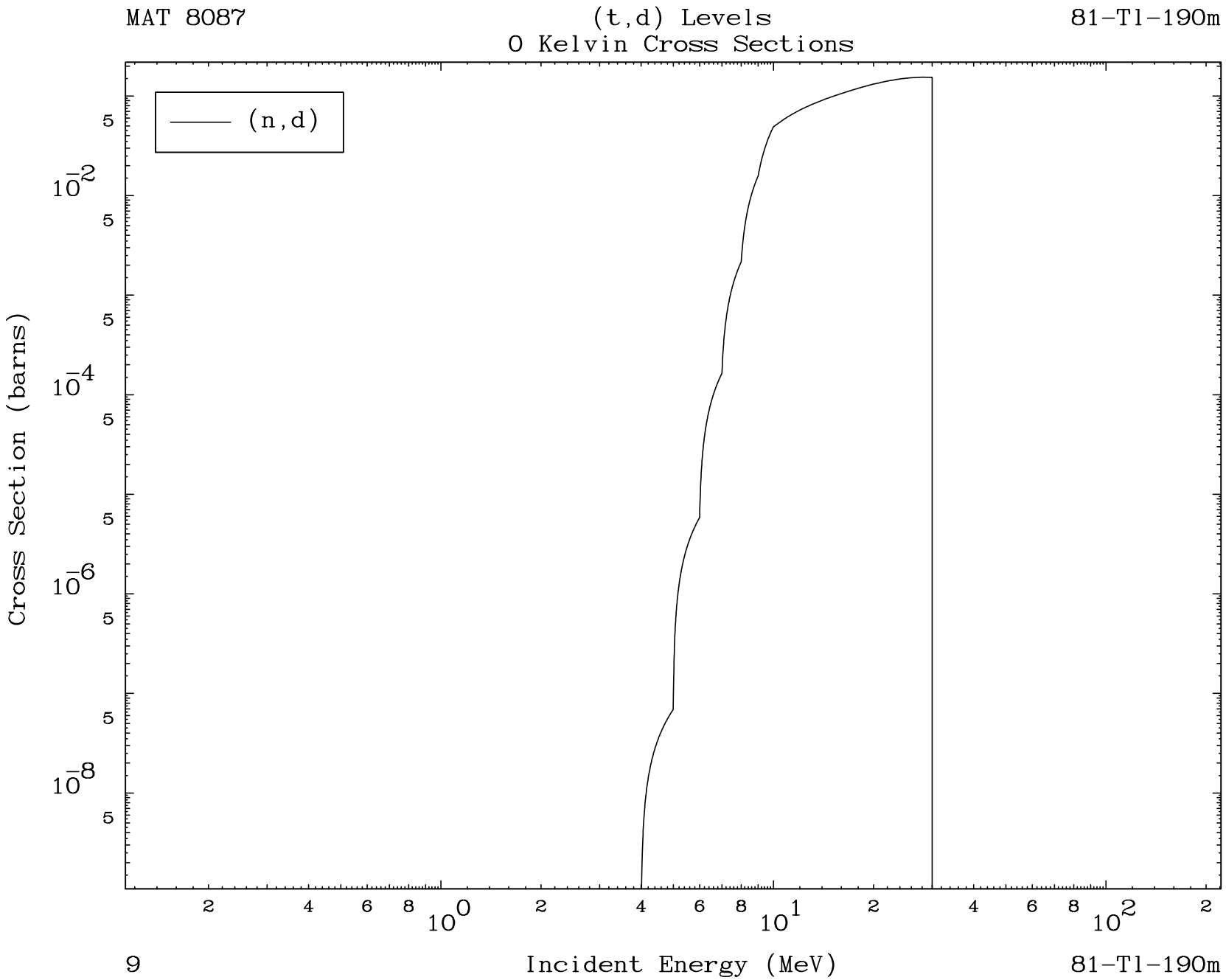

MAT 8087
Triton Neutron Absorption
0 Kelvin Cross Sections
81-Tl-190m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
81-Tl-190m
4

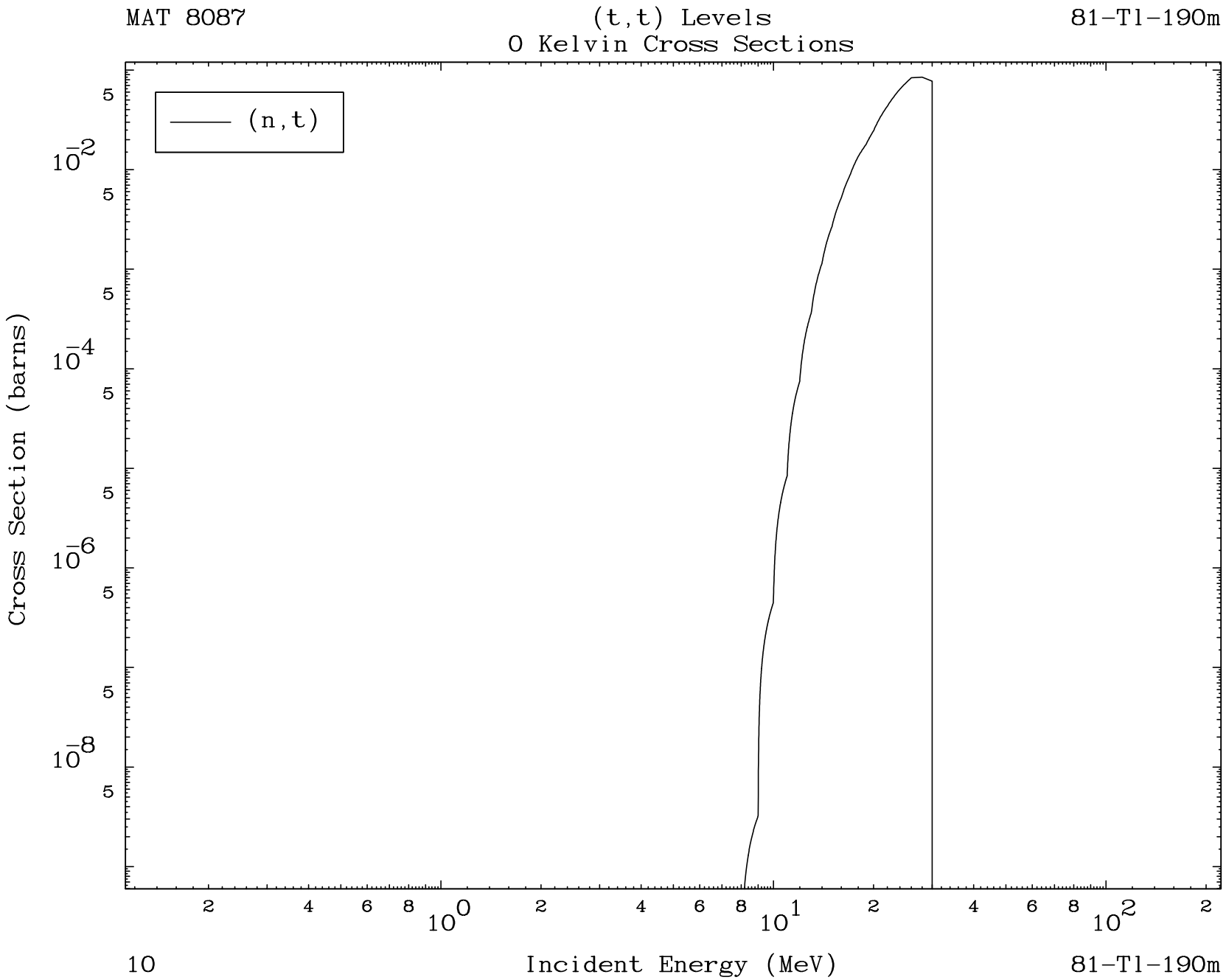

MAT 8087
Triton Charged Particle
0 Kelvin Cross Sections
81-Tl-190m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
81-Tl-190m
5

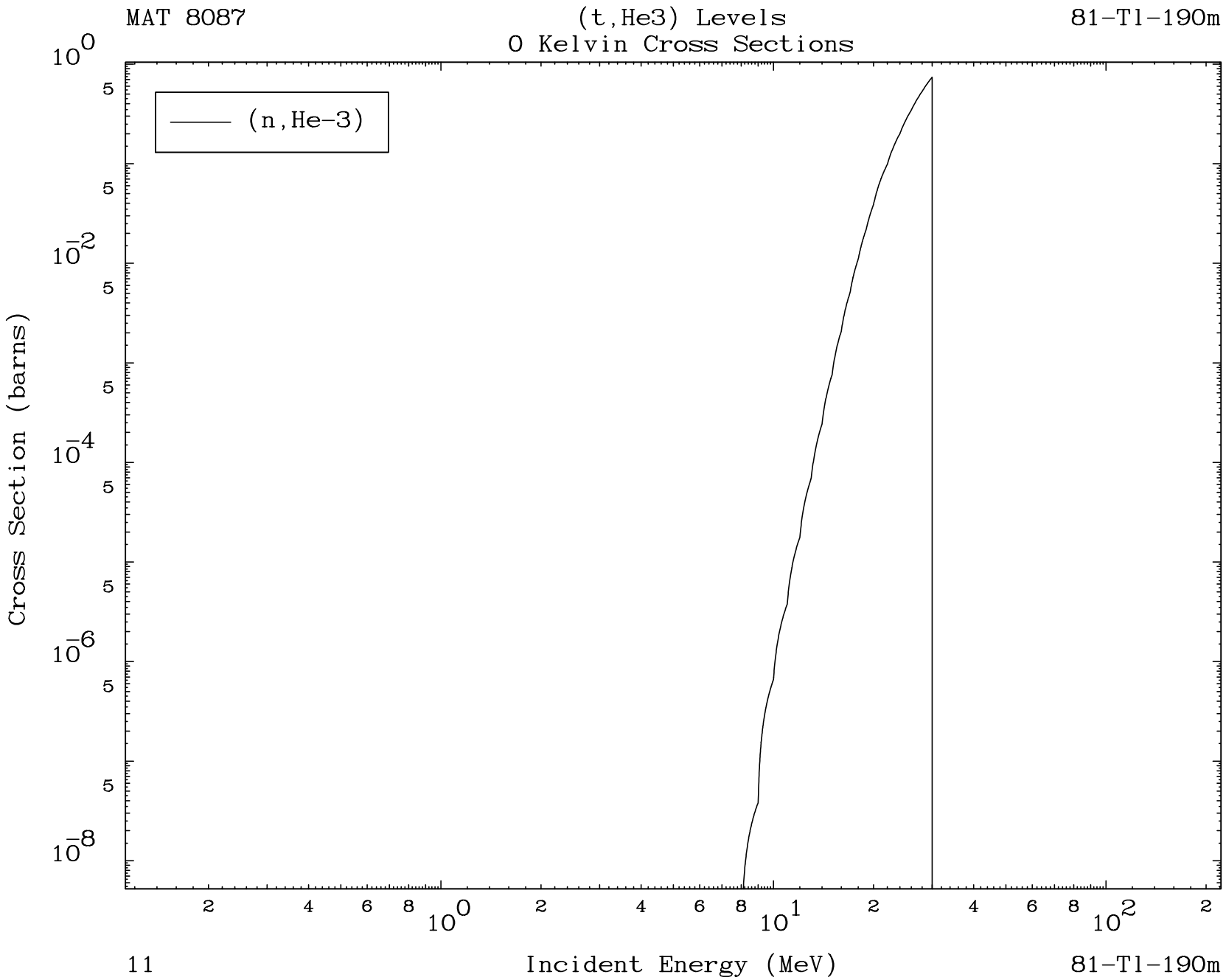

MAT 8087
Triton Charged Particle
0 Kelvin Cross Sections
81-Tl-190m
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
81-Tl-190m

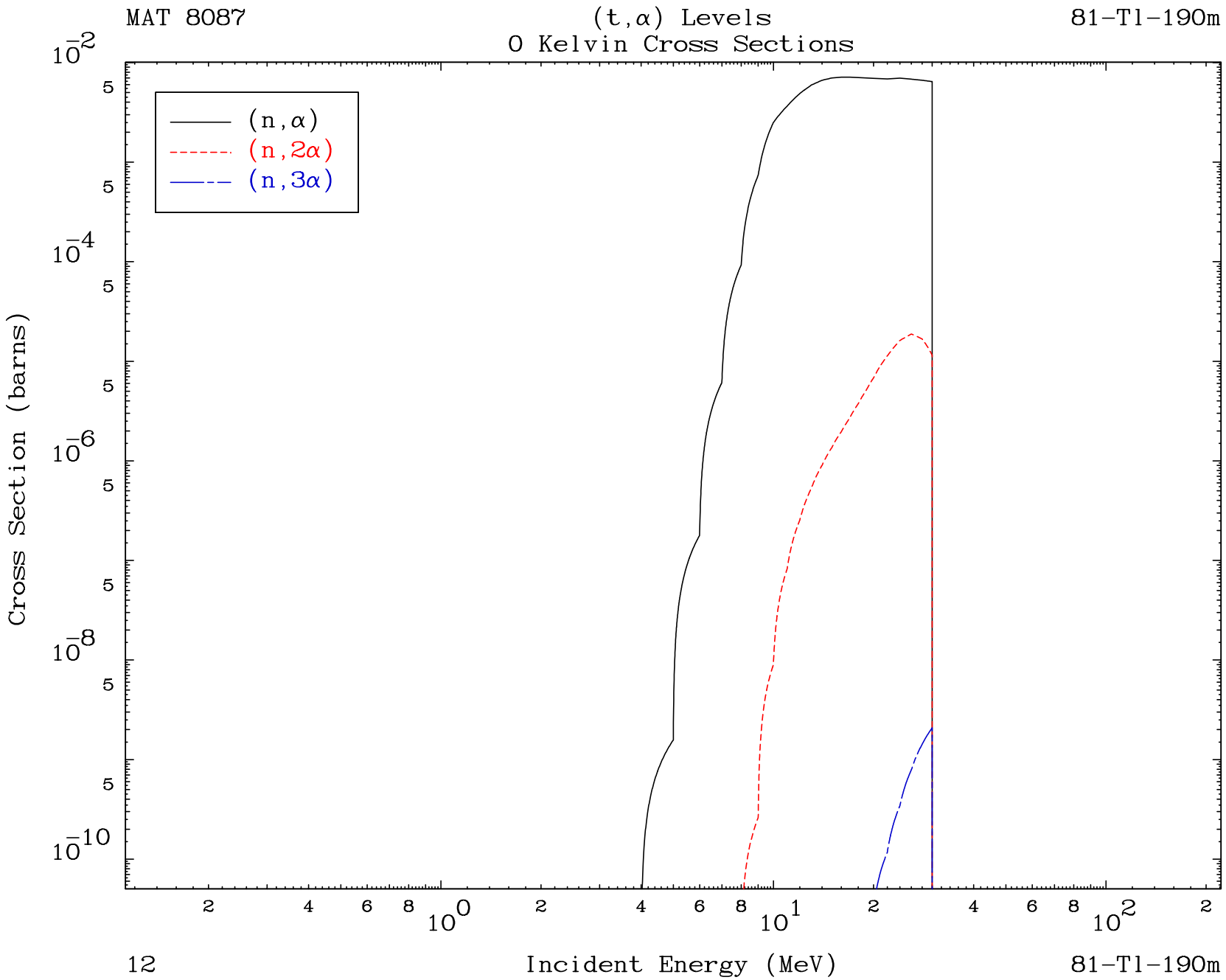

MAT 8087
Triton Charged Particle
0 Kelvin Cross Sections
81-Tl-190m
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
81-Tl-190m

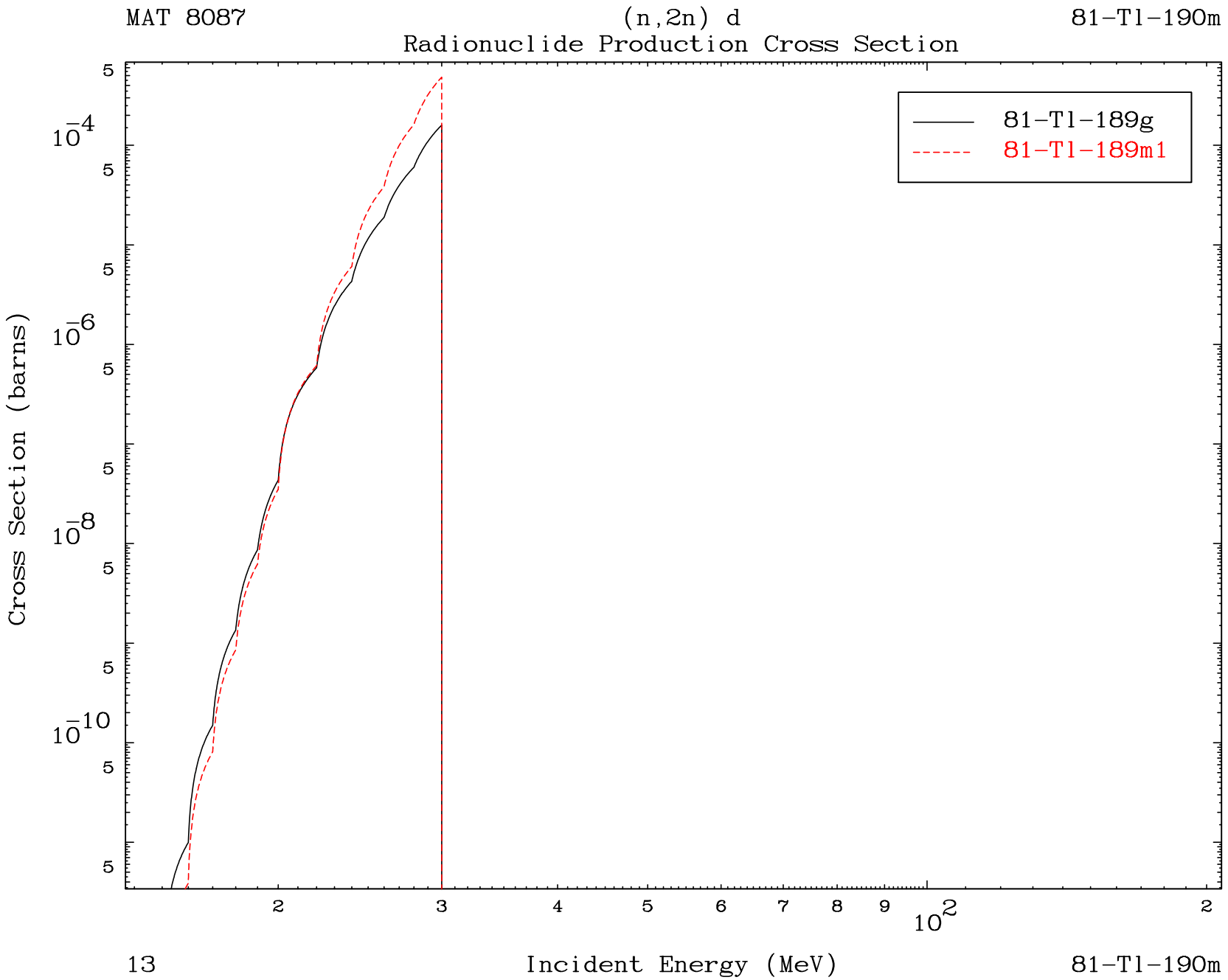

MAT 8087
(t,p) Levels
81-Tl-190m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
81-Tl-190m

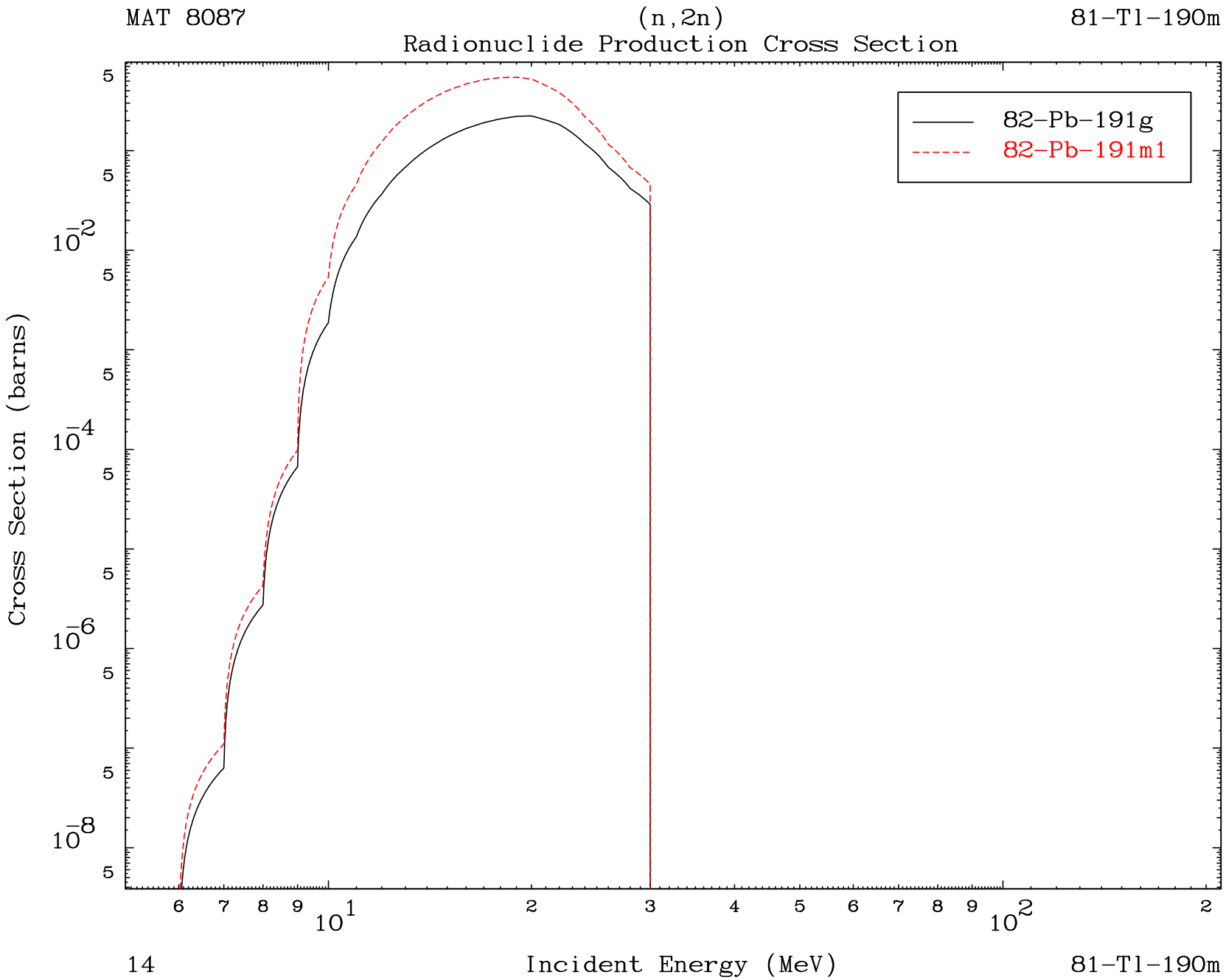

MAT 8087
(t,d) Levels
81-Tl-190m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
81-Tl-190m

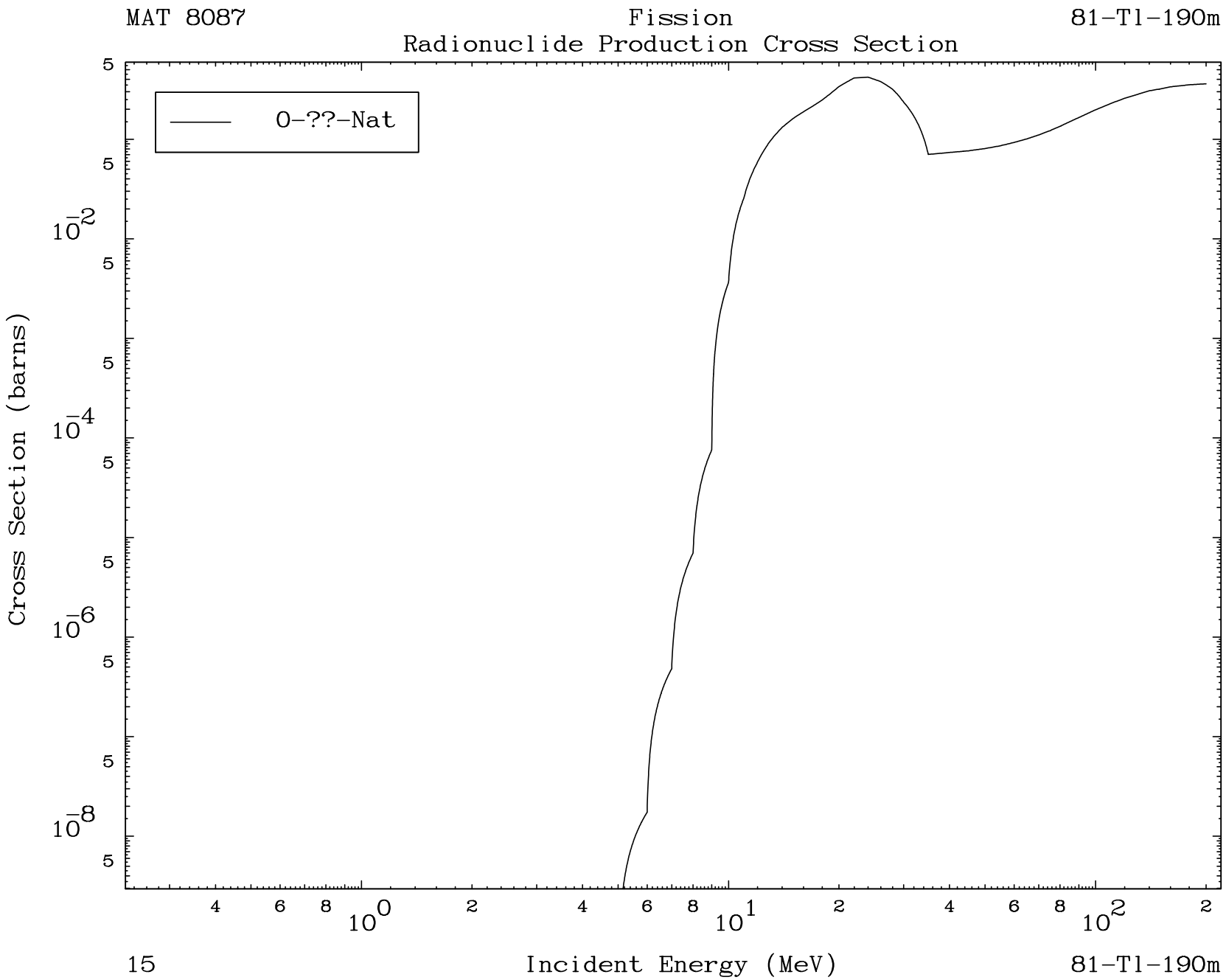

MAT 8087
(t,t) Levels
81-Tl-190m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
81-Tl-190m

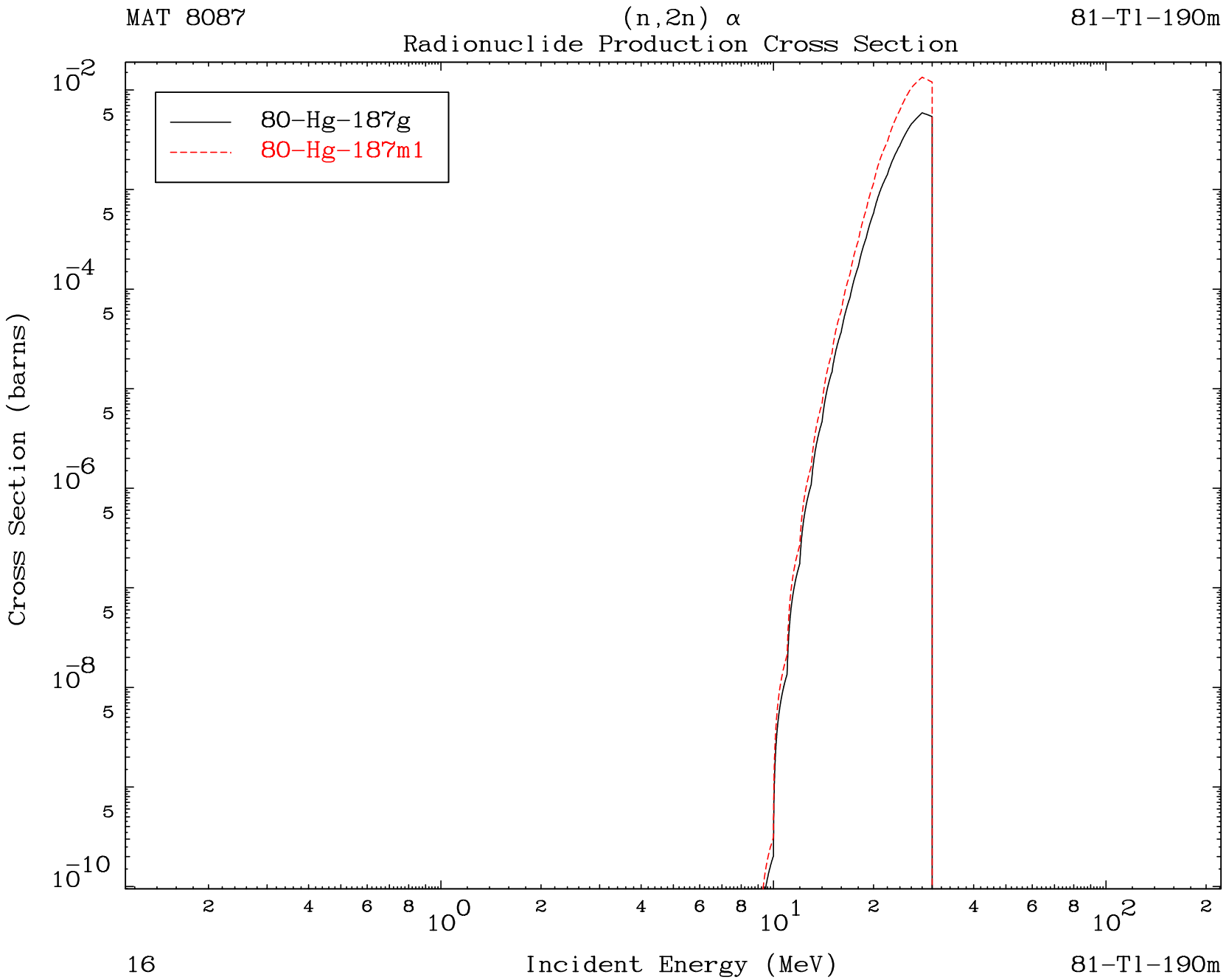

MAT 8087
(t,He3) Levels
81-Tl-190m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
81-Tl-190m

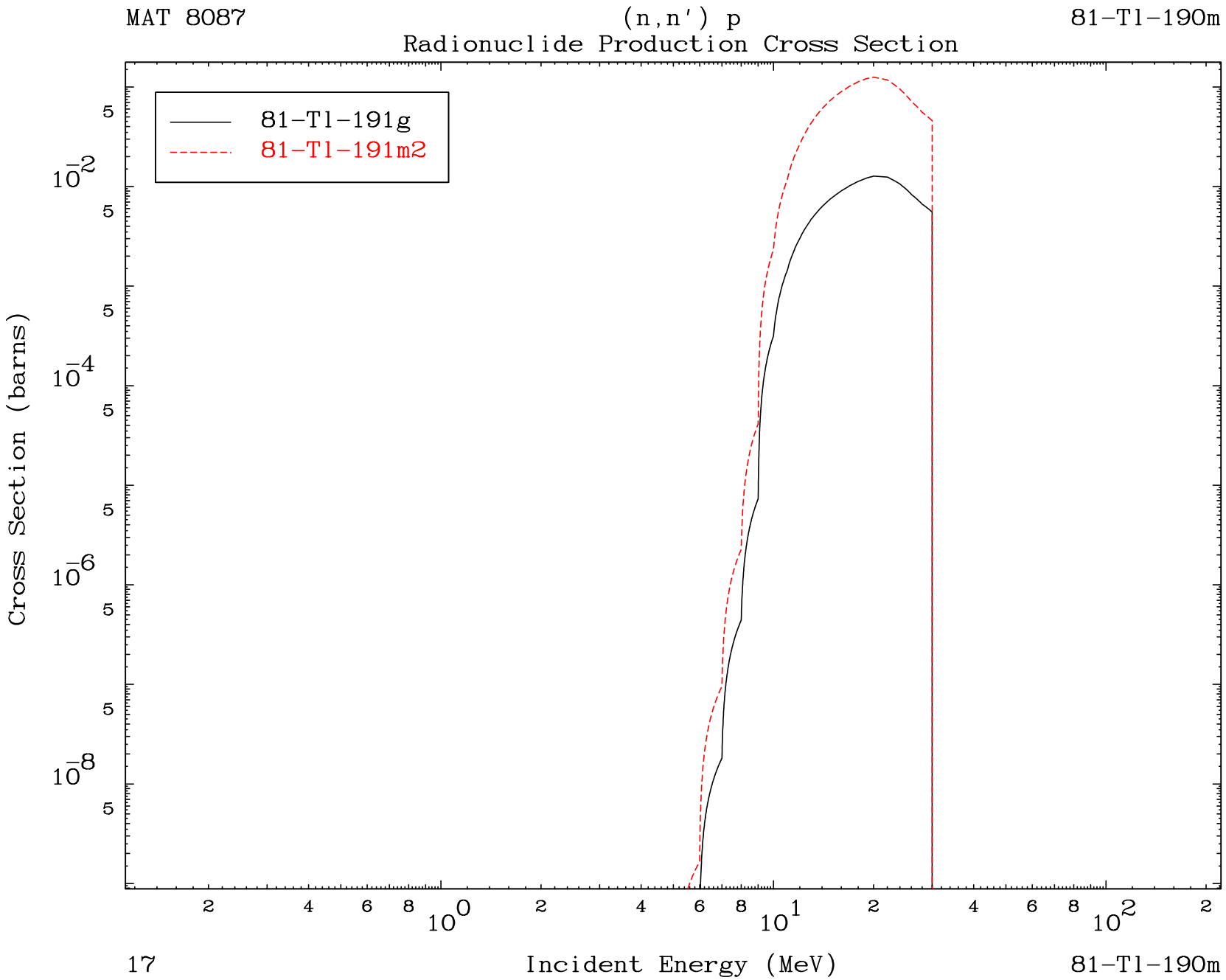

MAT 8087
(t,α) Levels
81-Tl-190m
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-190m

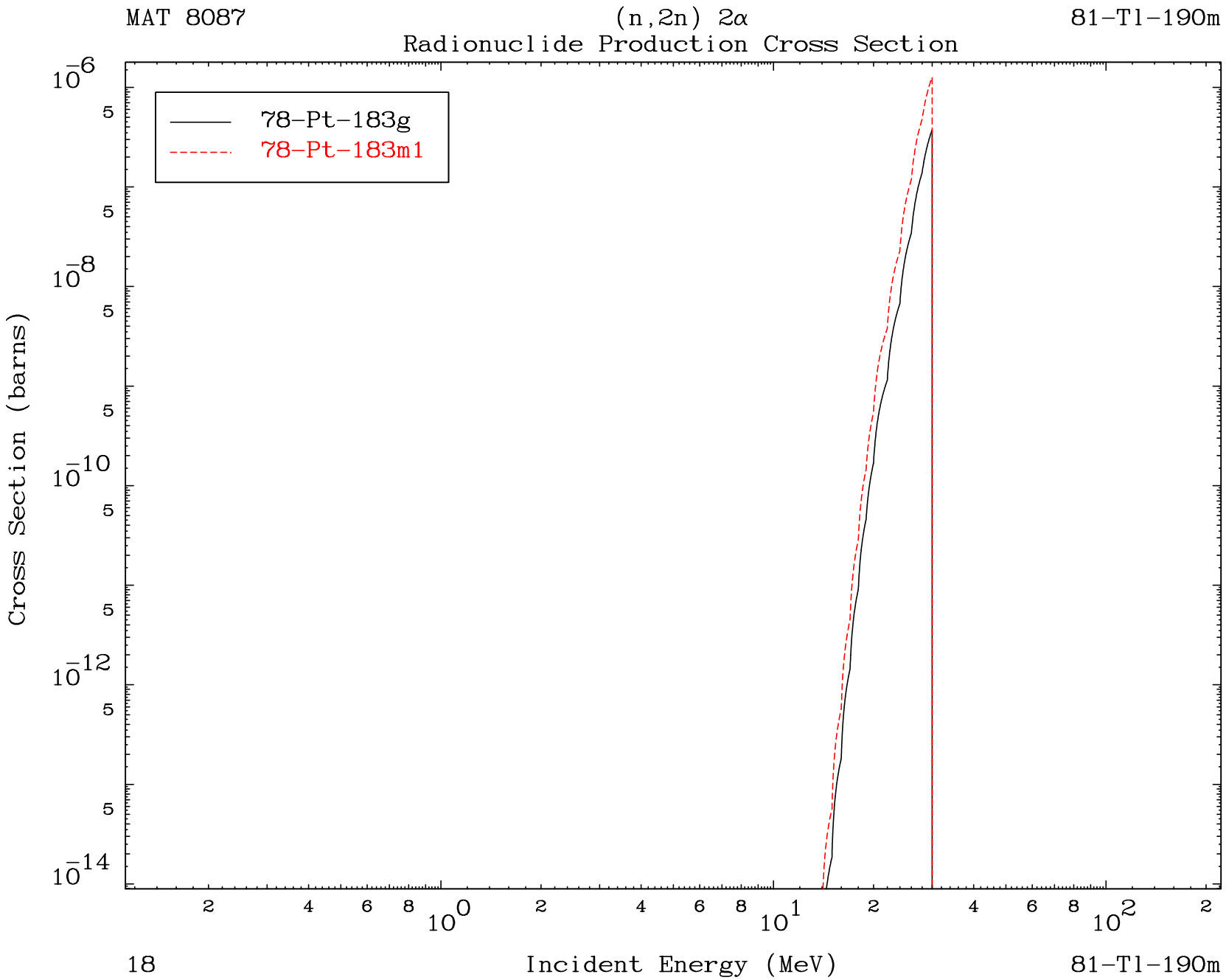

MAT 8087
(n,2n) d
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
13
81-Tl-190m

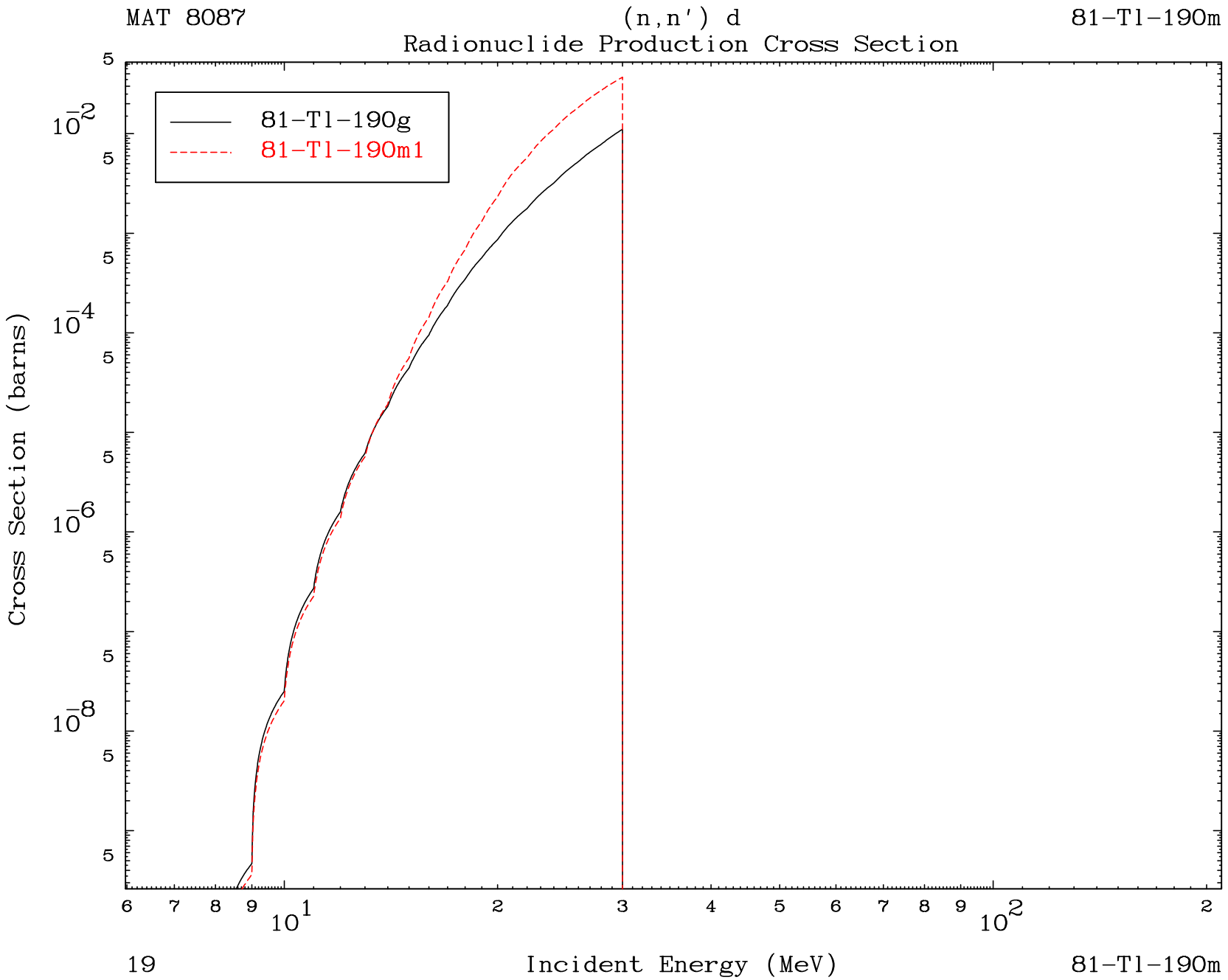

MAT 8087
(n,2n)
81-Tl-190m
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
Incident Energy (MeV)
14
81-Tl-190m

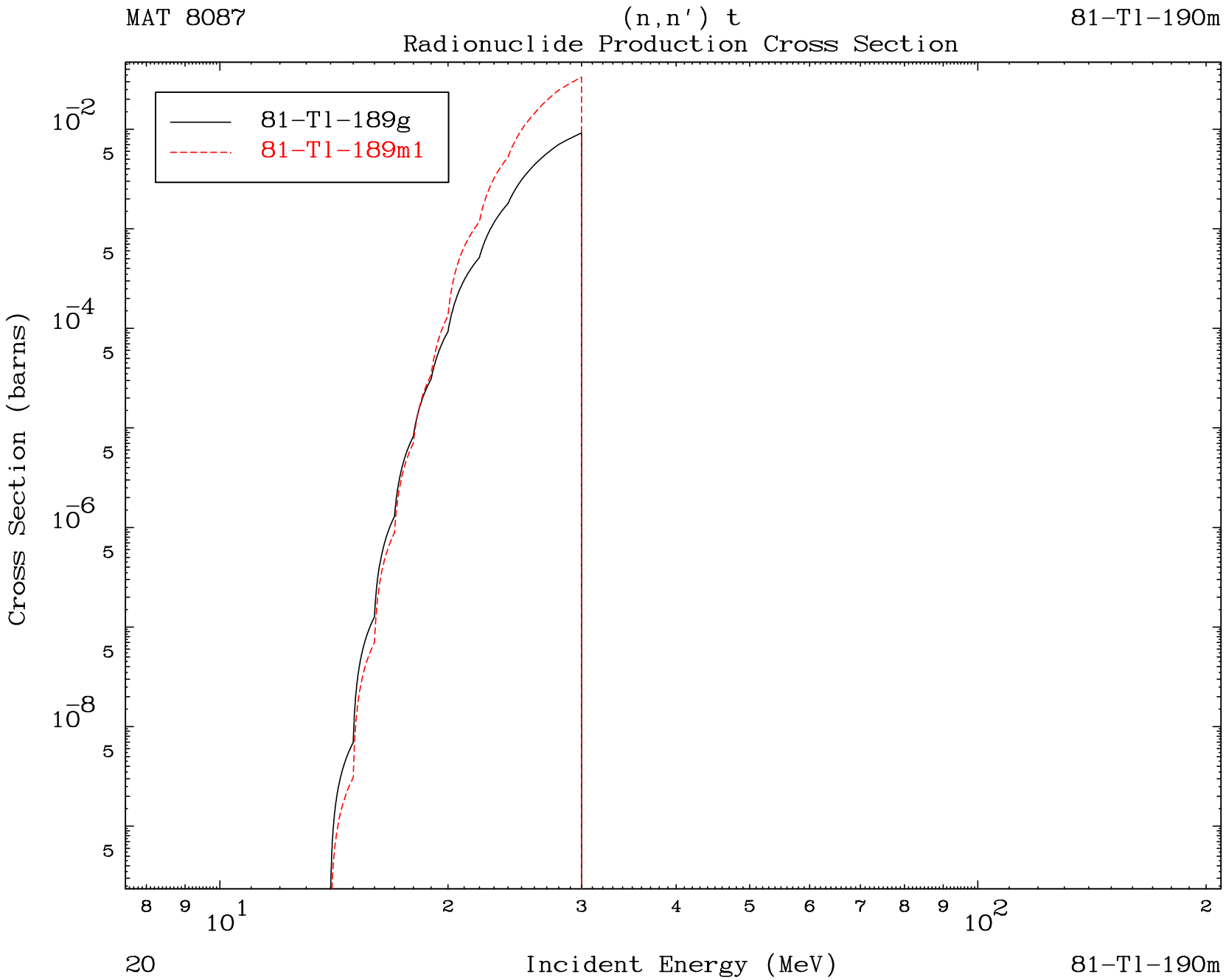

MAT 8087
Fission
81-Tl-190m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
81-Tl-190m

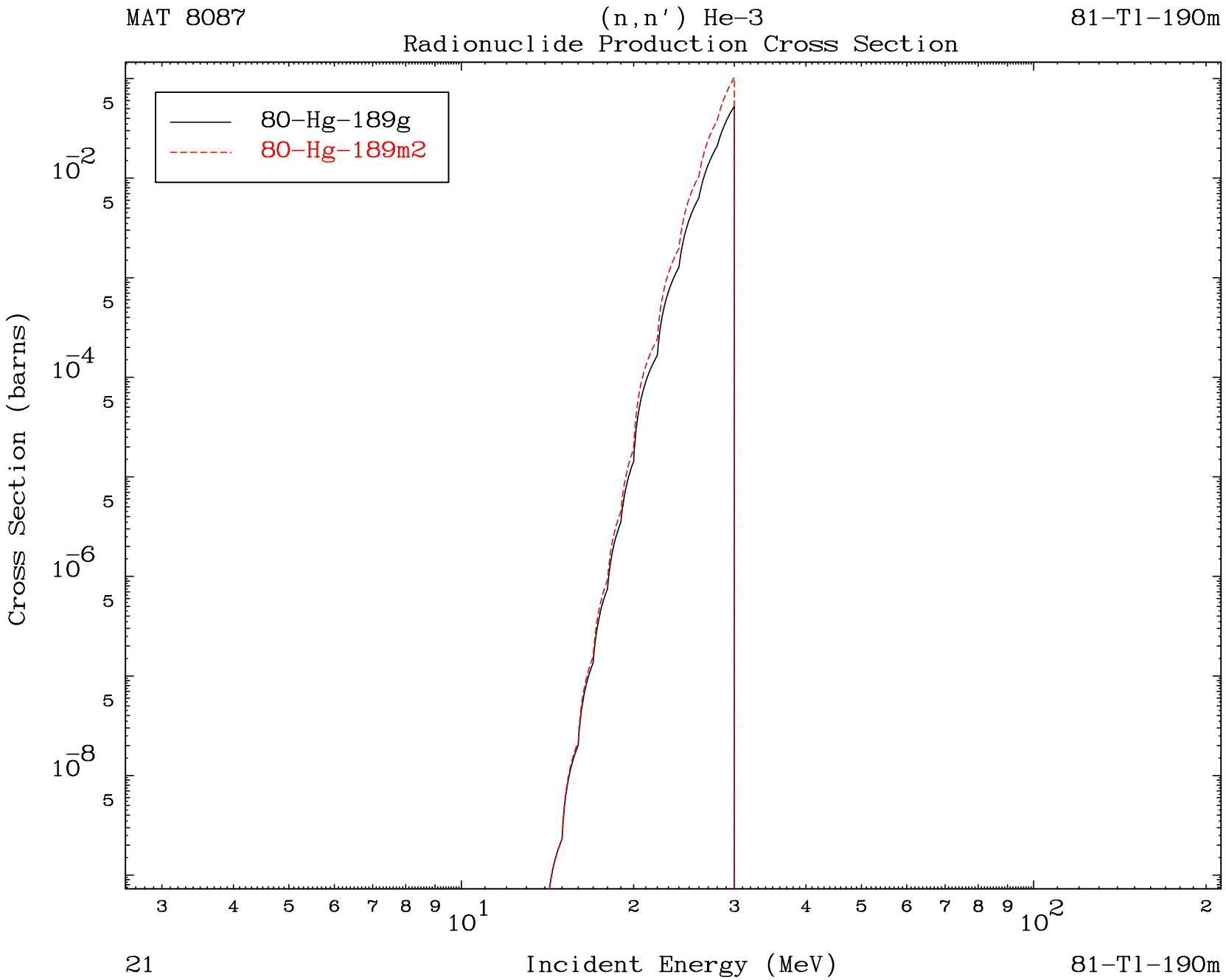

MAT 8087
(n,2n) α
81-Tl-190m
Radionuclide Production Cross Section
80-Hg-187g
80-Hg-187m1
Cross Section (barns)
Incident Energy (MeV)
16
81-Tl-190m

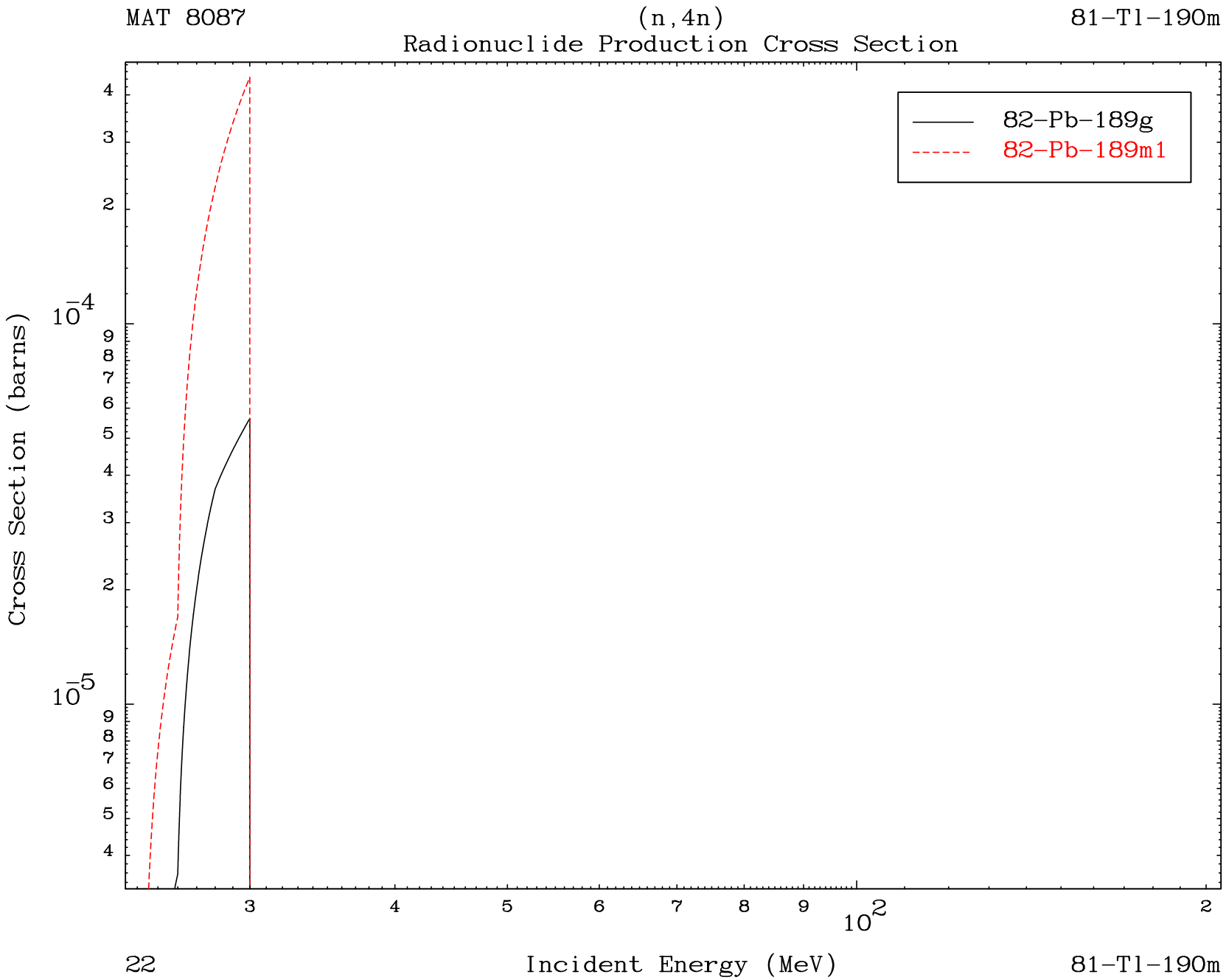

MAT 8087
(n,n') p
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
17
81-Tl-190m

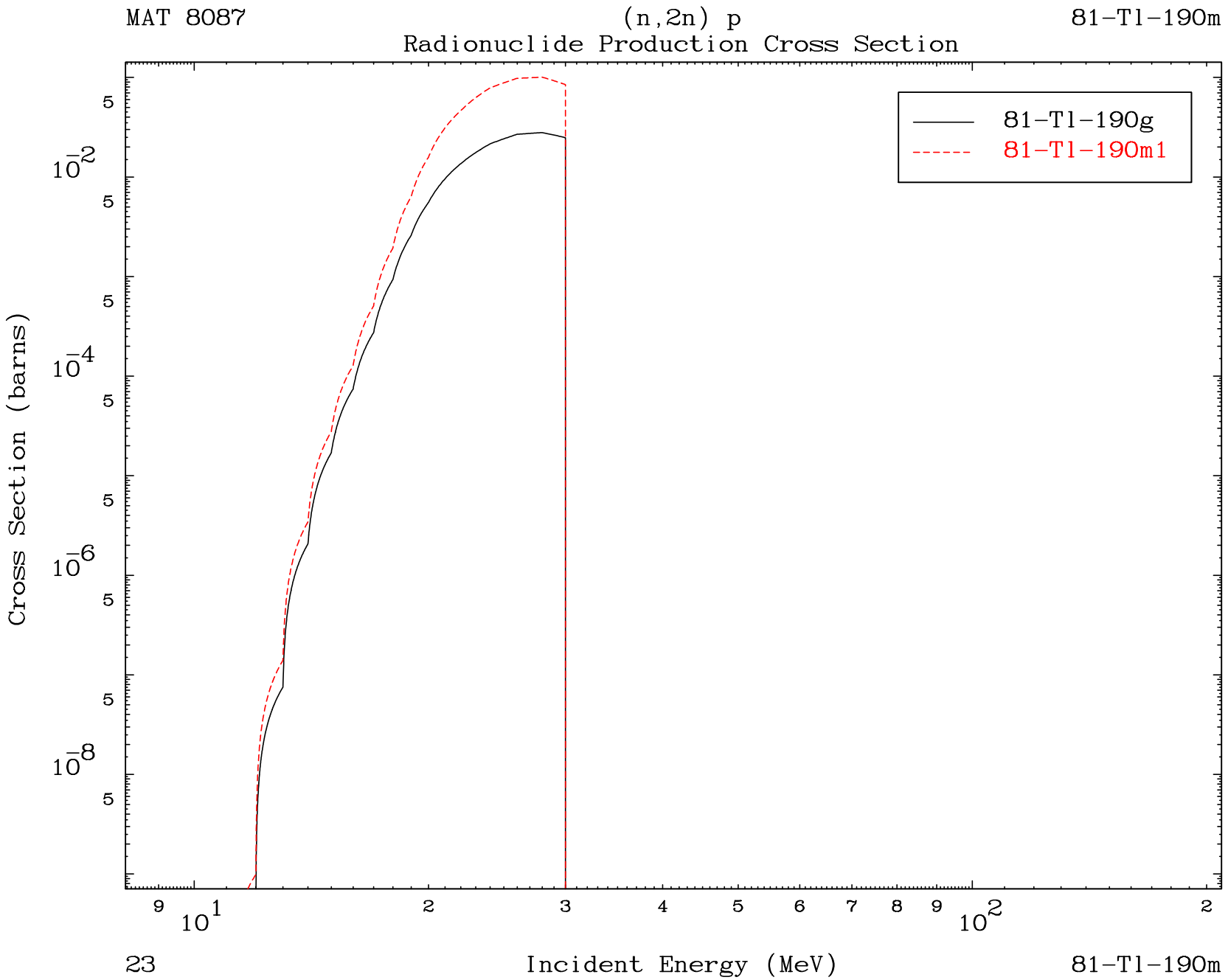

MAT 8087
(n,2n) 2α
81-Tl-190m
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
Incident Energy (MeV)
18
81-Tl-190m

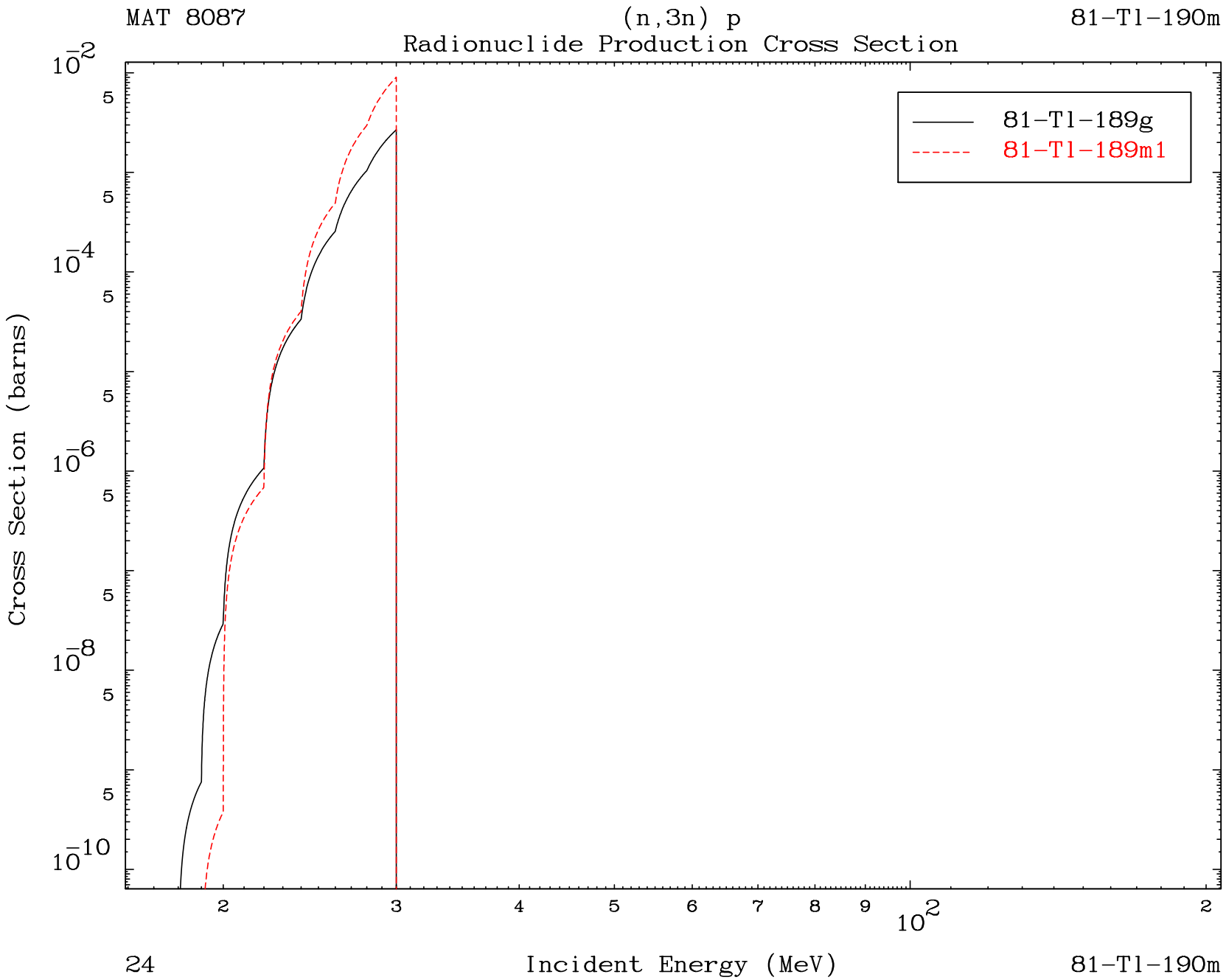

MAT 8087
(n,n') d
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-190g
81-Tl-190m1
Cross Section (barns)
Incident Energy (MeV)
19
81-Tl-190m

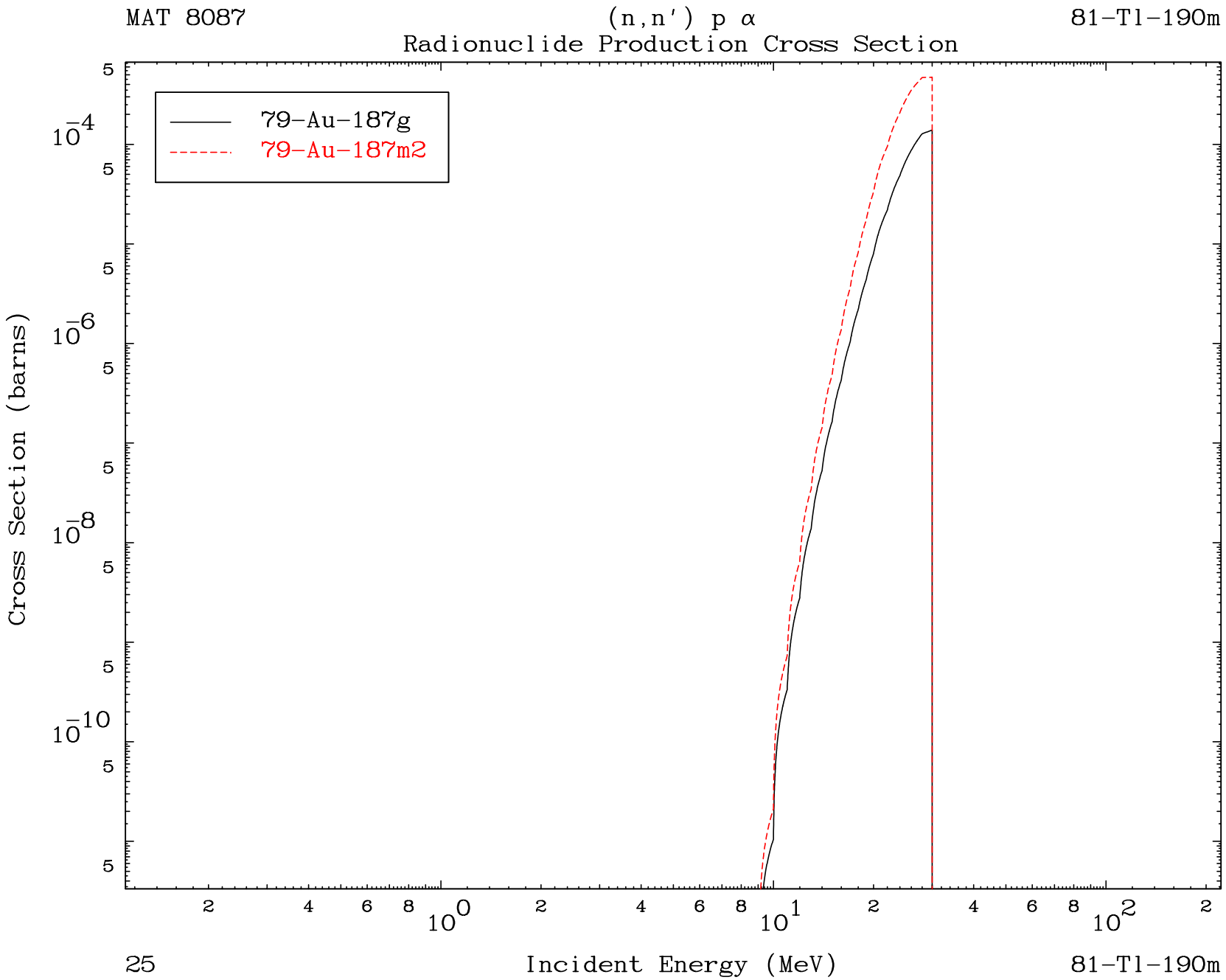

MAT 8087
(n,n') t
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
20
81-Tl-190m

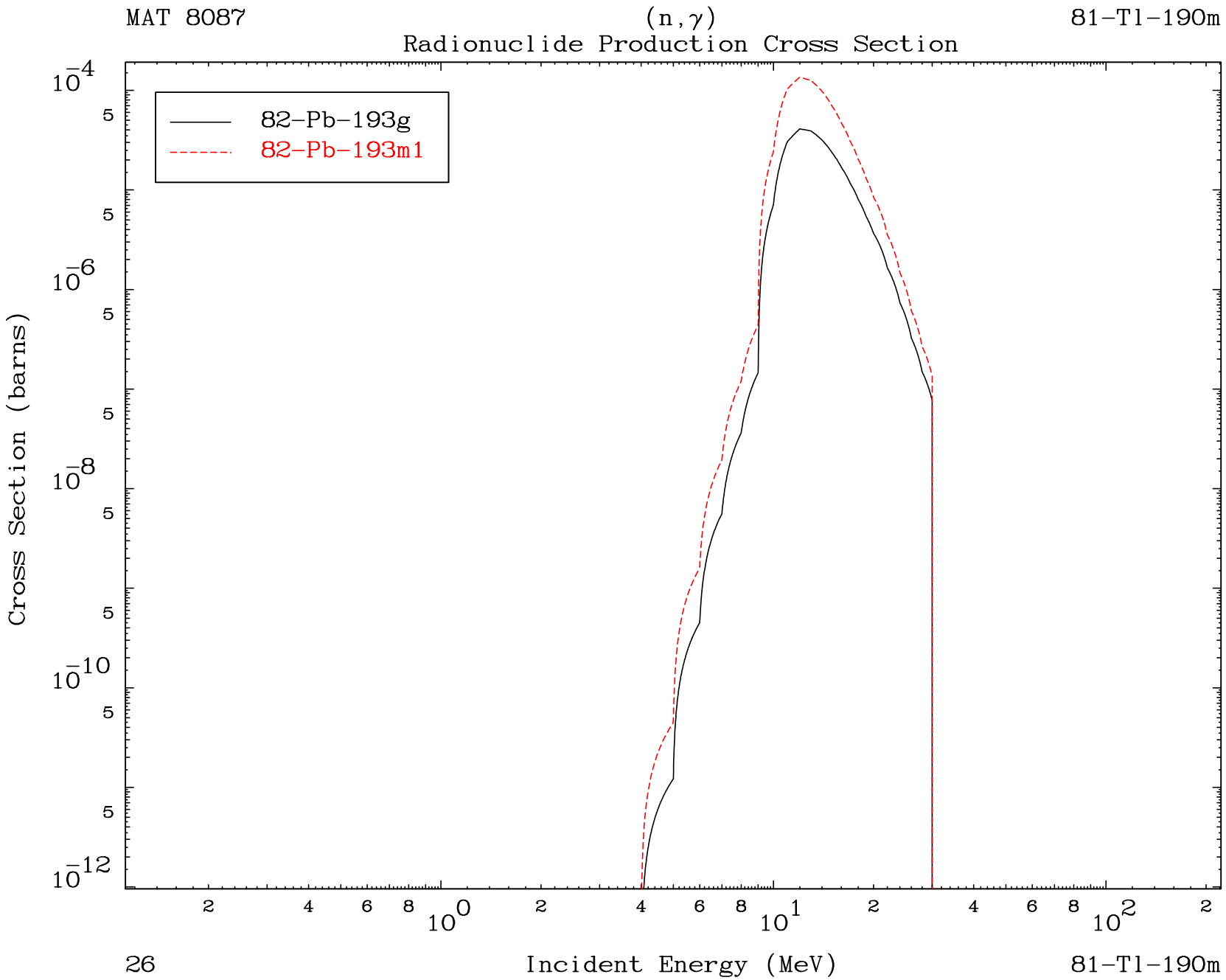

MAT 8087
(n,n') He-3
81-Tl-190m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
21
81-Tl-190m

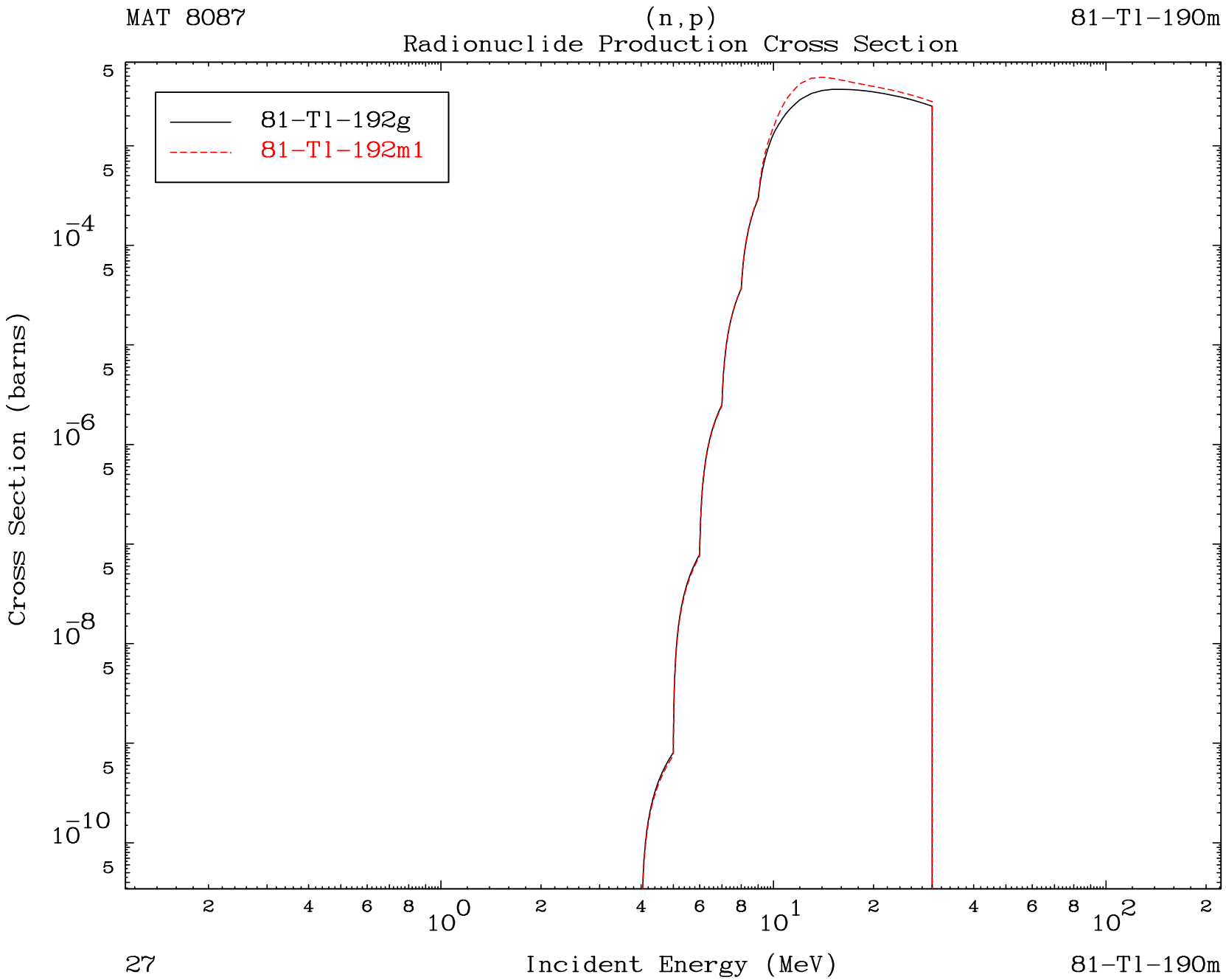

MAT 8087
(n,4n)
81-Tl-190m
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
10-4
10-5
4
3
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
81-Tl-190m

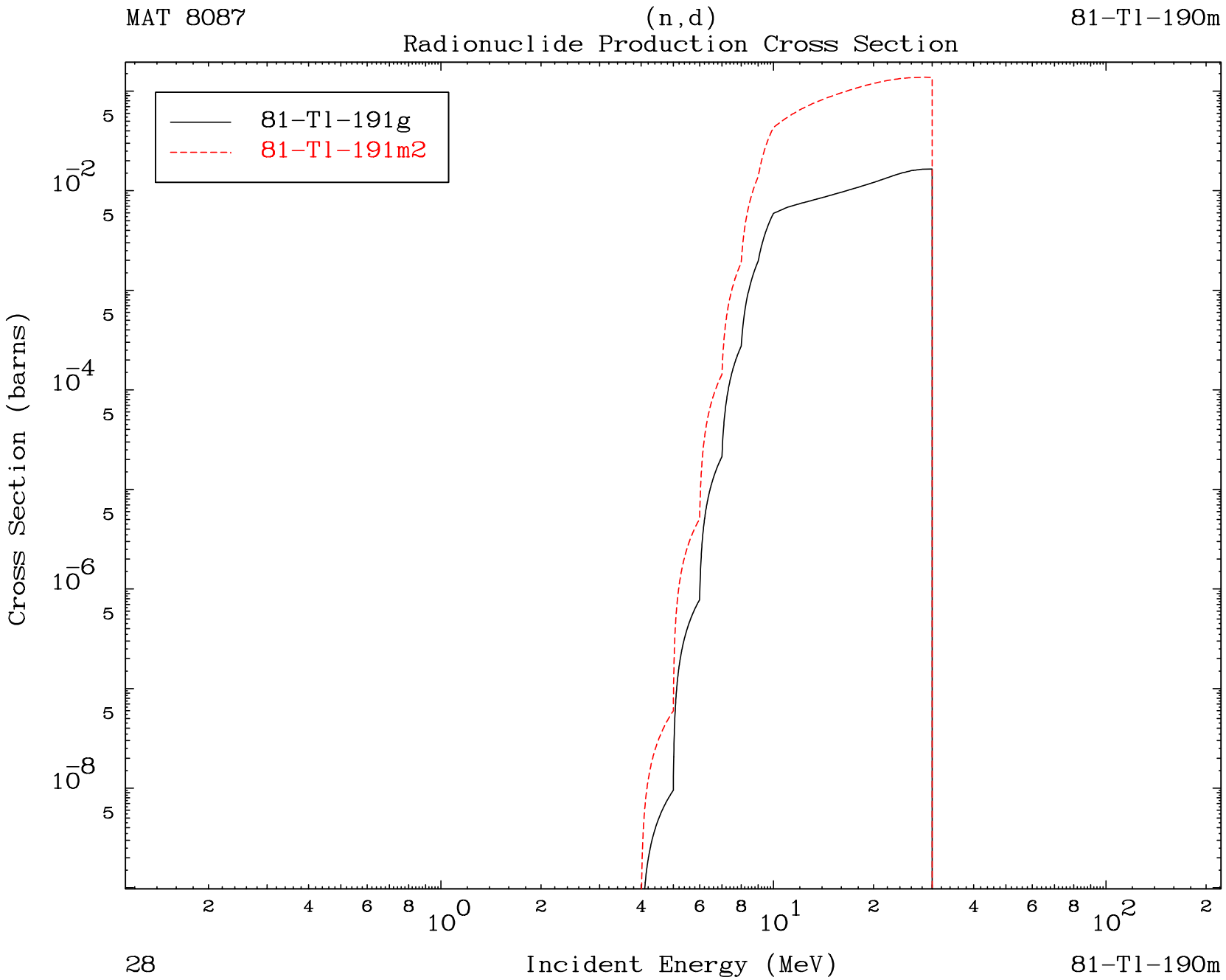

MAT 8087
(n,2n) p
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-190g
81-Tl-190m1
Cross Section (barns)
Incident Energy (MeV)
23
81-Tl-190m

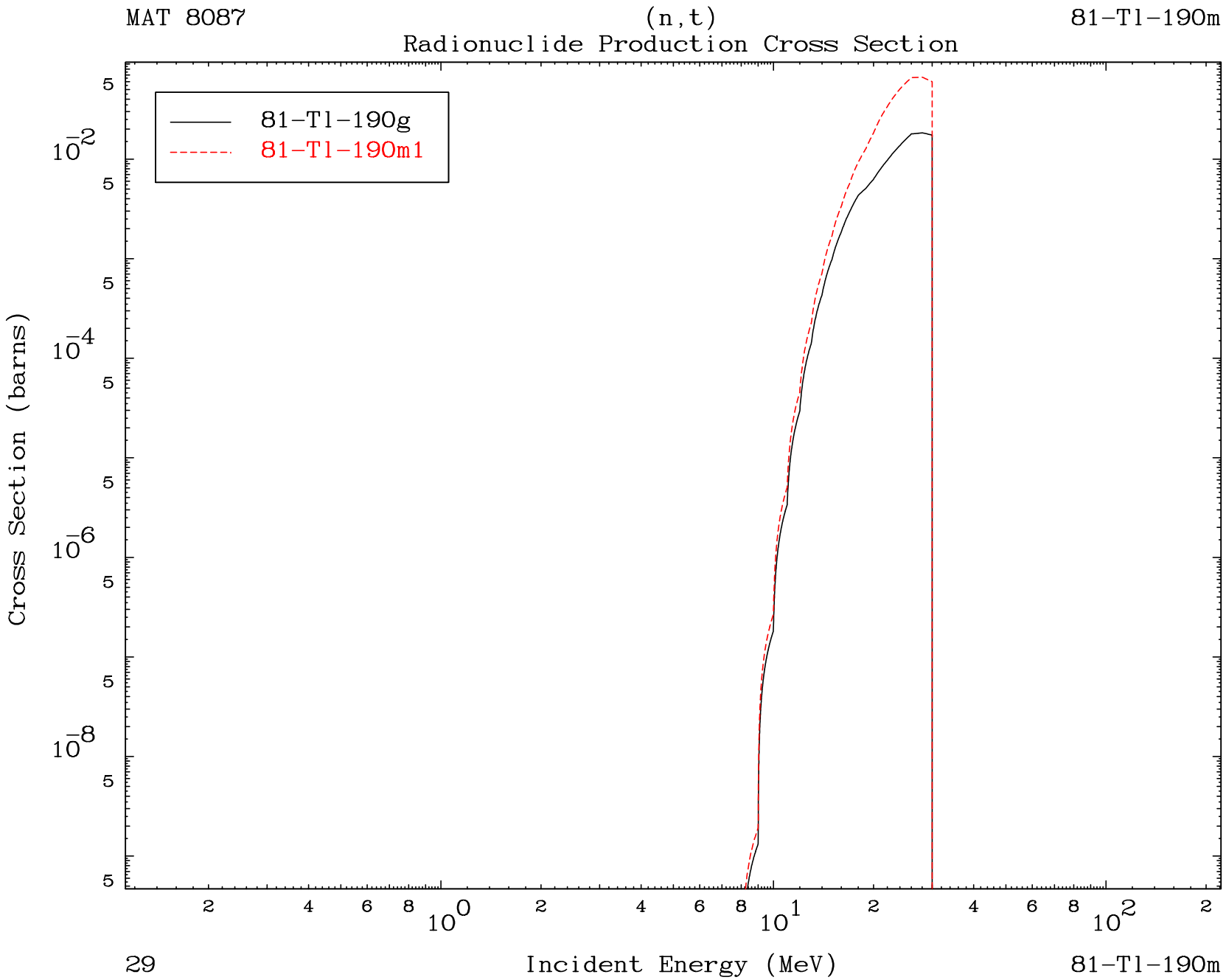

MAT 8087
(n,3n) p
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
24
81-Tl-190m

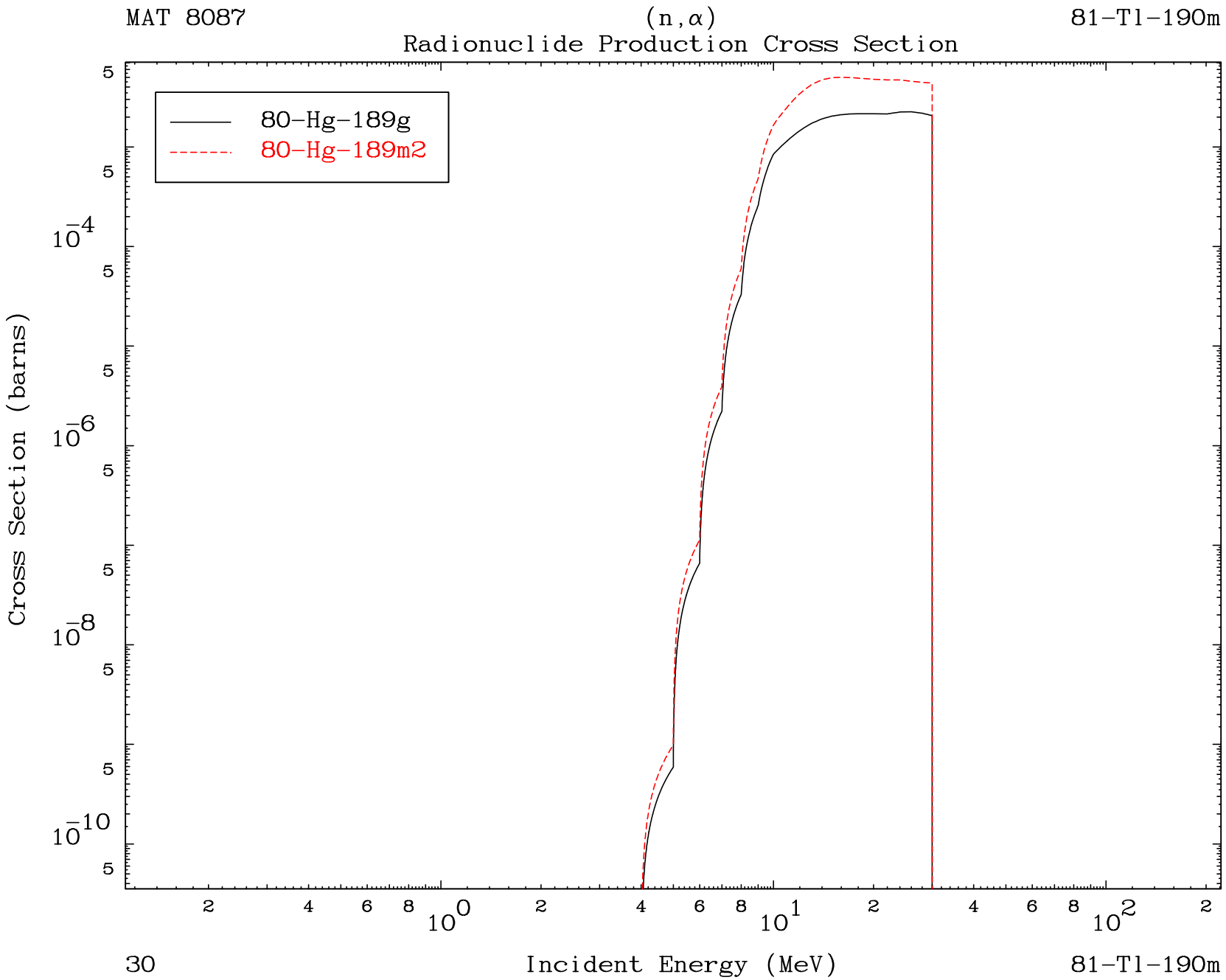

MAT 8087
(n,n') p α
81-Tl-190m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
Incident Energy (MeV)
25
81-Tl-190m

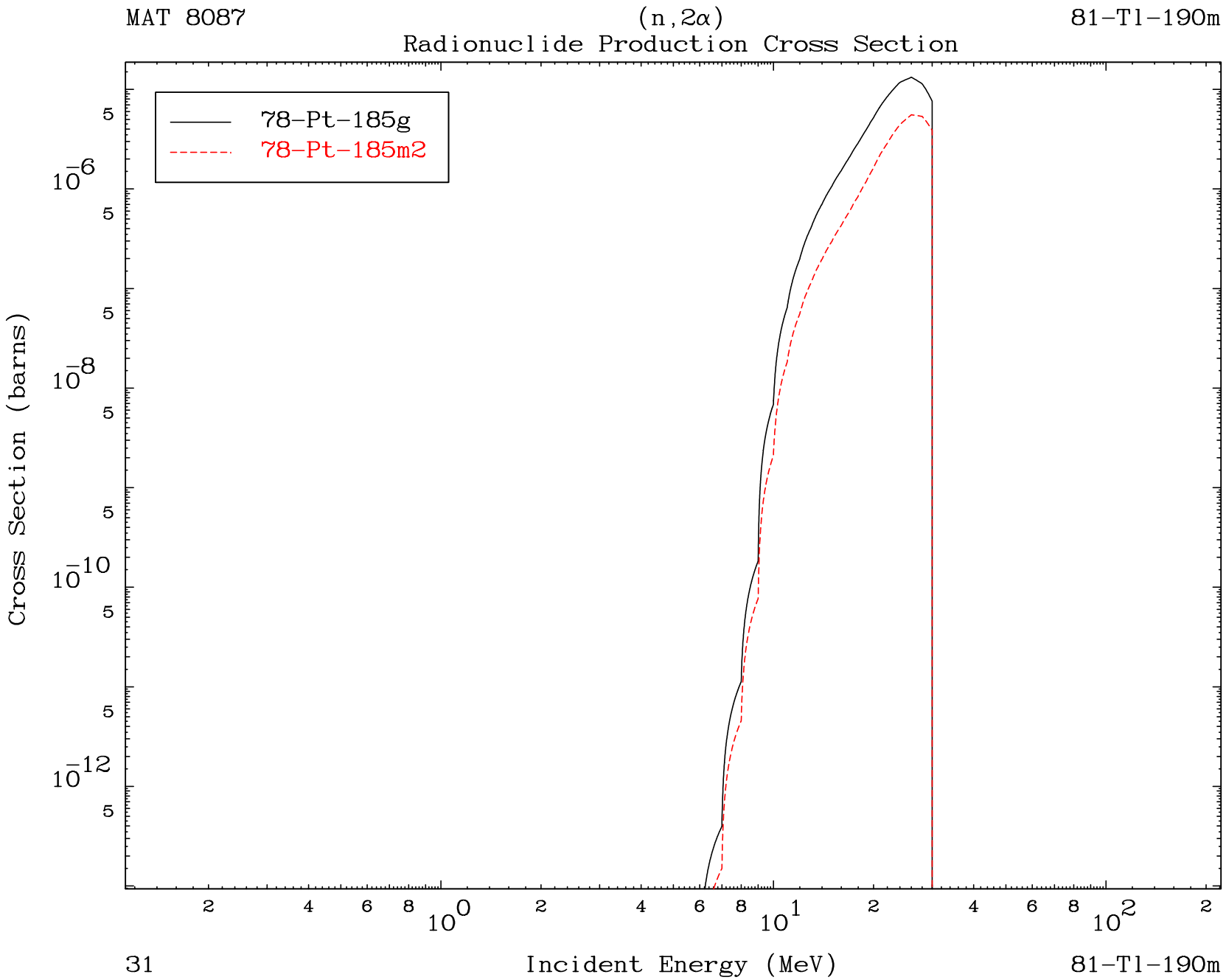

MAT 8087
(n,γ)
81-Tl-190m
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
Incident Energy (MeV)
26
81-Tl-190m

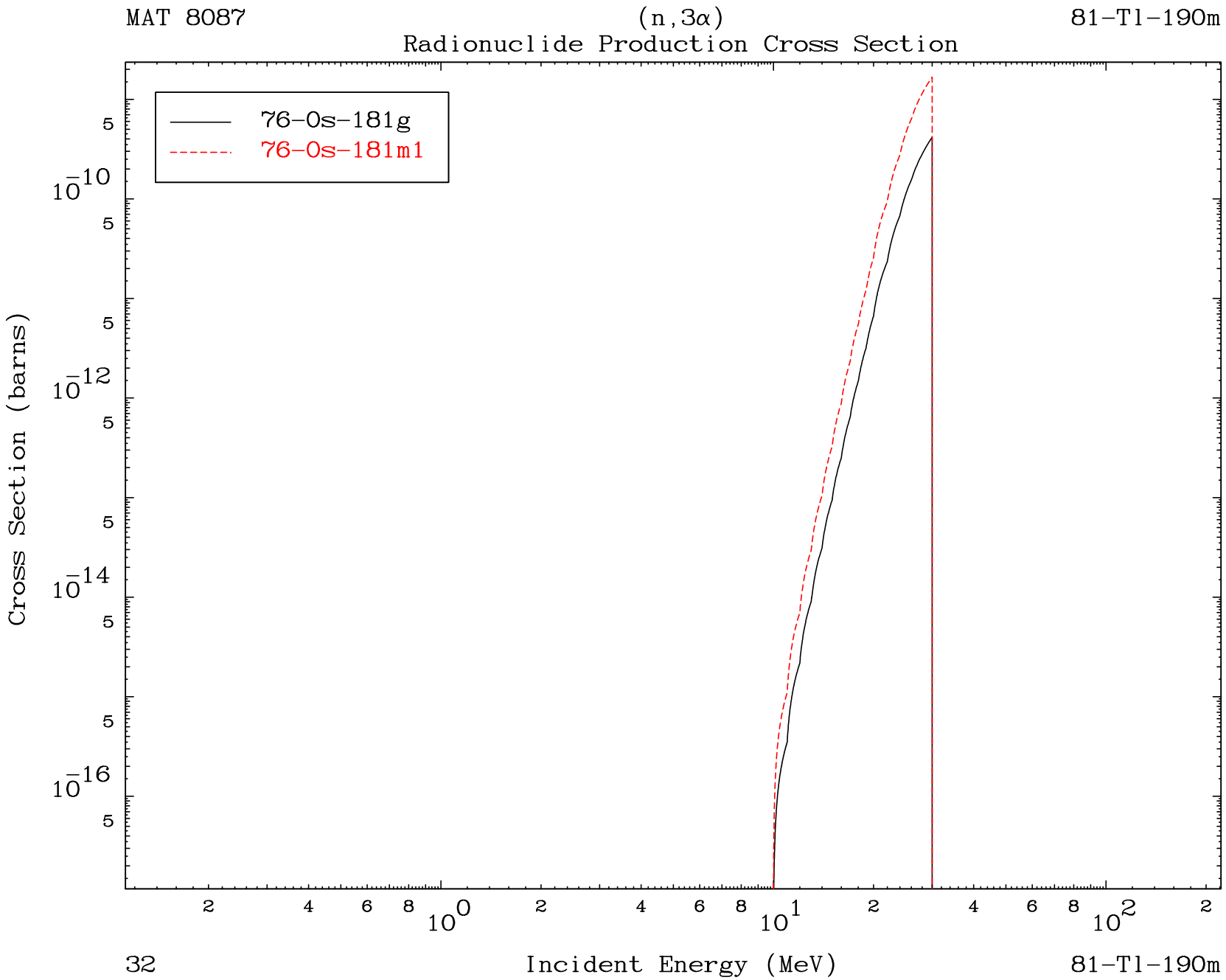

MAT 8087
(n,p)
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
Incident Energy (MeV)
27
81-Tl-190m

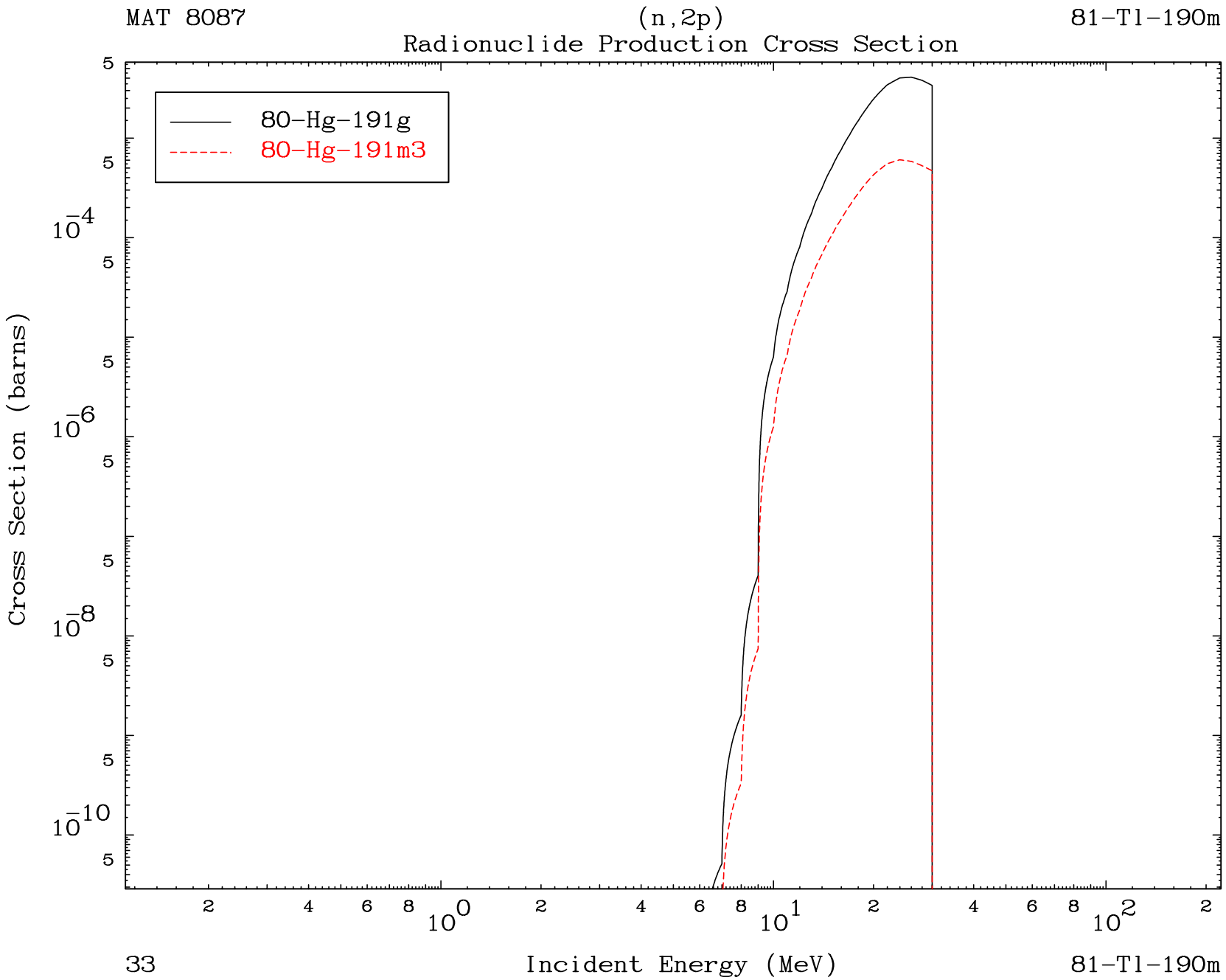

MAT 8087
(n,d)
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
28
Incident Energy (MeV)
81-Tl-190m

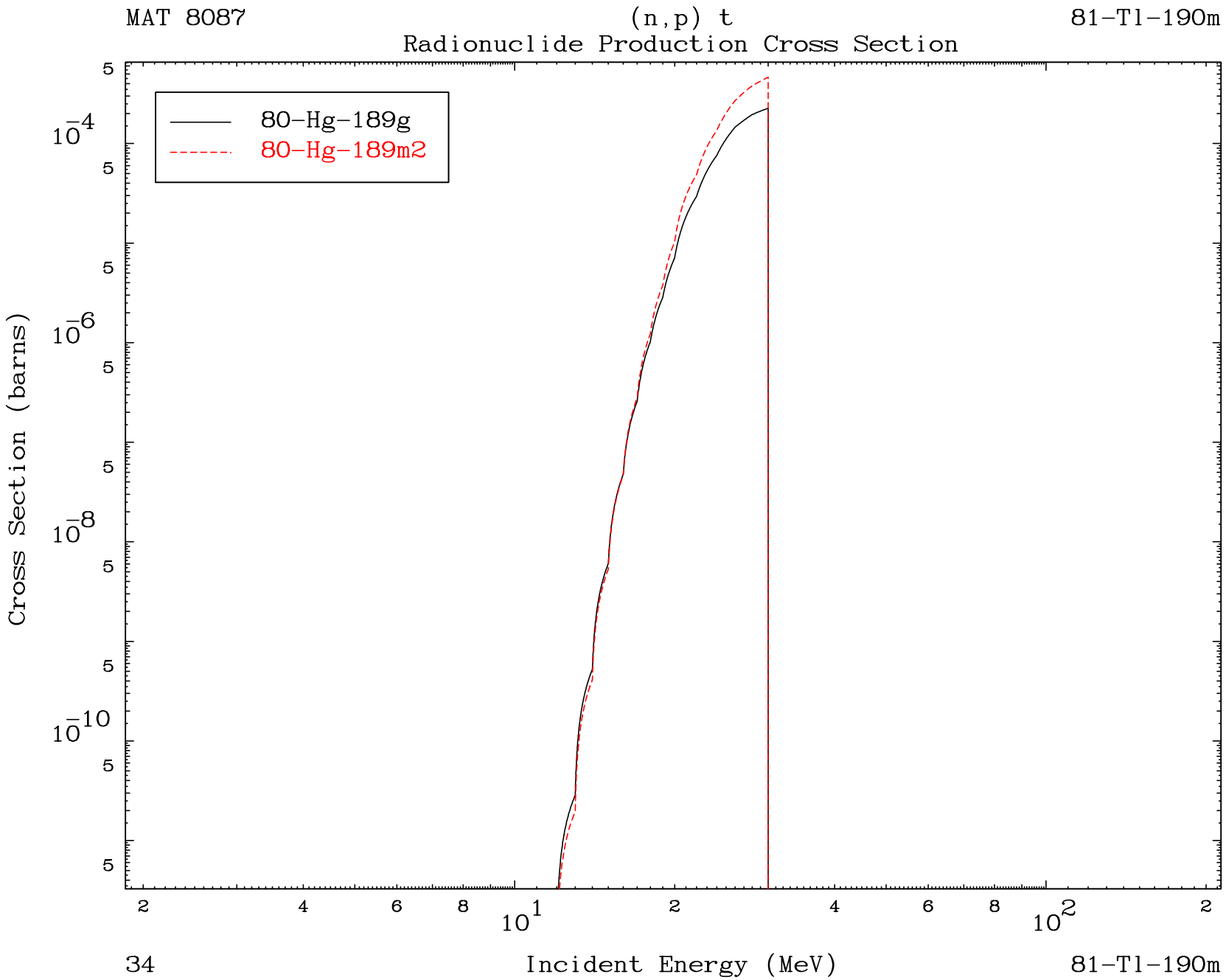

MAT 8087
(n,t)
81-Tl-190m
Radionuclide Production Cross Section
81-Tl-190g
81-Tl-190m1
Cross Section (barns)
Incident Energy (MeV)
29
81-Tl-190m

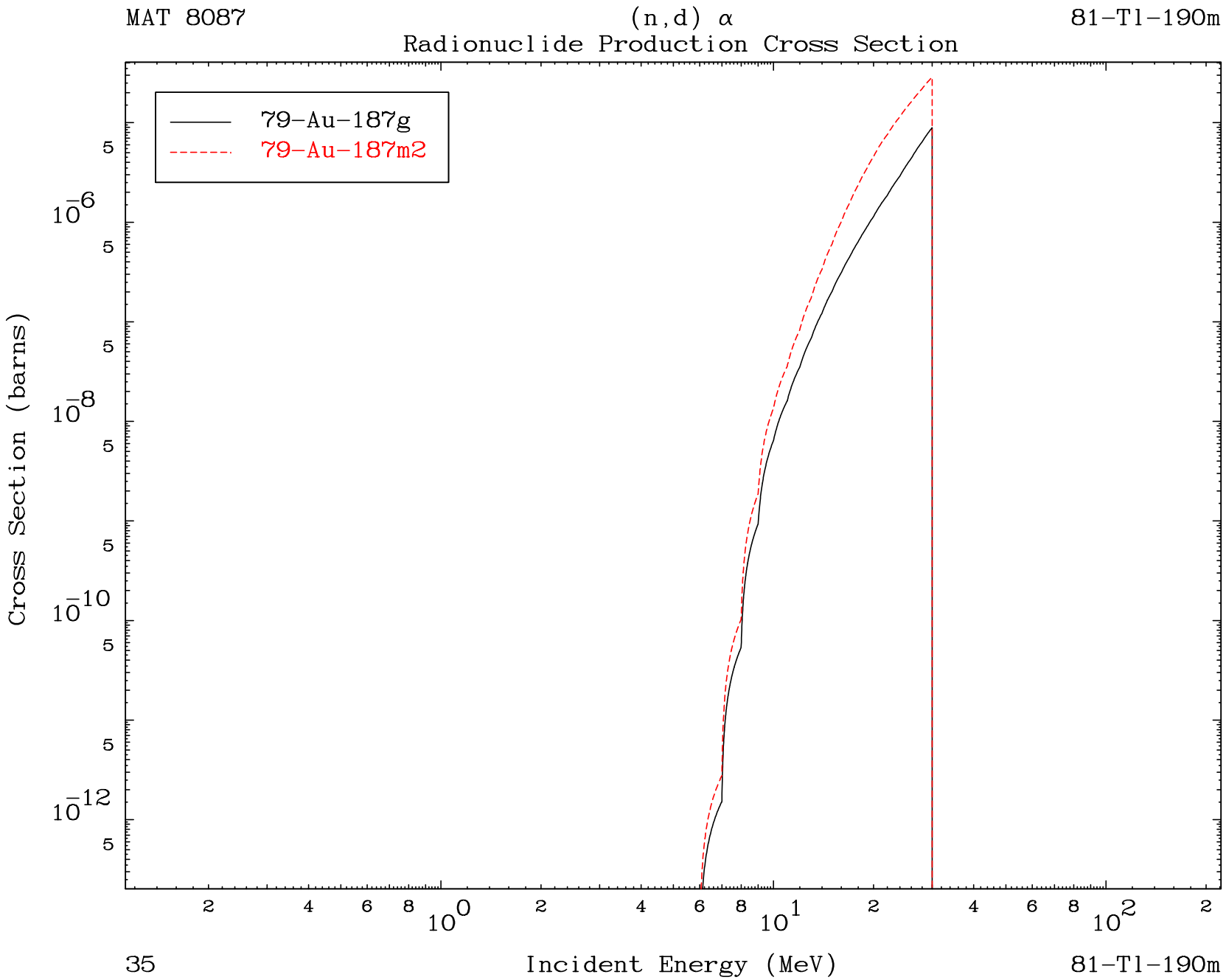

MAT 8087
(n,α)
81-Tl-190m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
30
81-Tl-190m


MAT 8087
(n,2α)
81-Tl-190m
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
31
81-Tl-190m


MAT 8087
(n,3α)
81-Tl-190m
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
32
81-Tl-190m


MAT 8087
(n,2p)
81-Tl-190m
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
Incident Energy (MeV)
33
81-Tl-190m


MAT 8087
(n,p) t
81-Tl-190m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
34
81-Tl-190m


MAT 8087
(n,d) α
81-Tl-190m
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
35
81-Tl-190m