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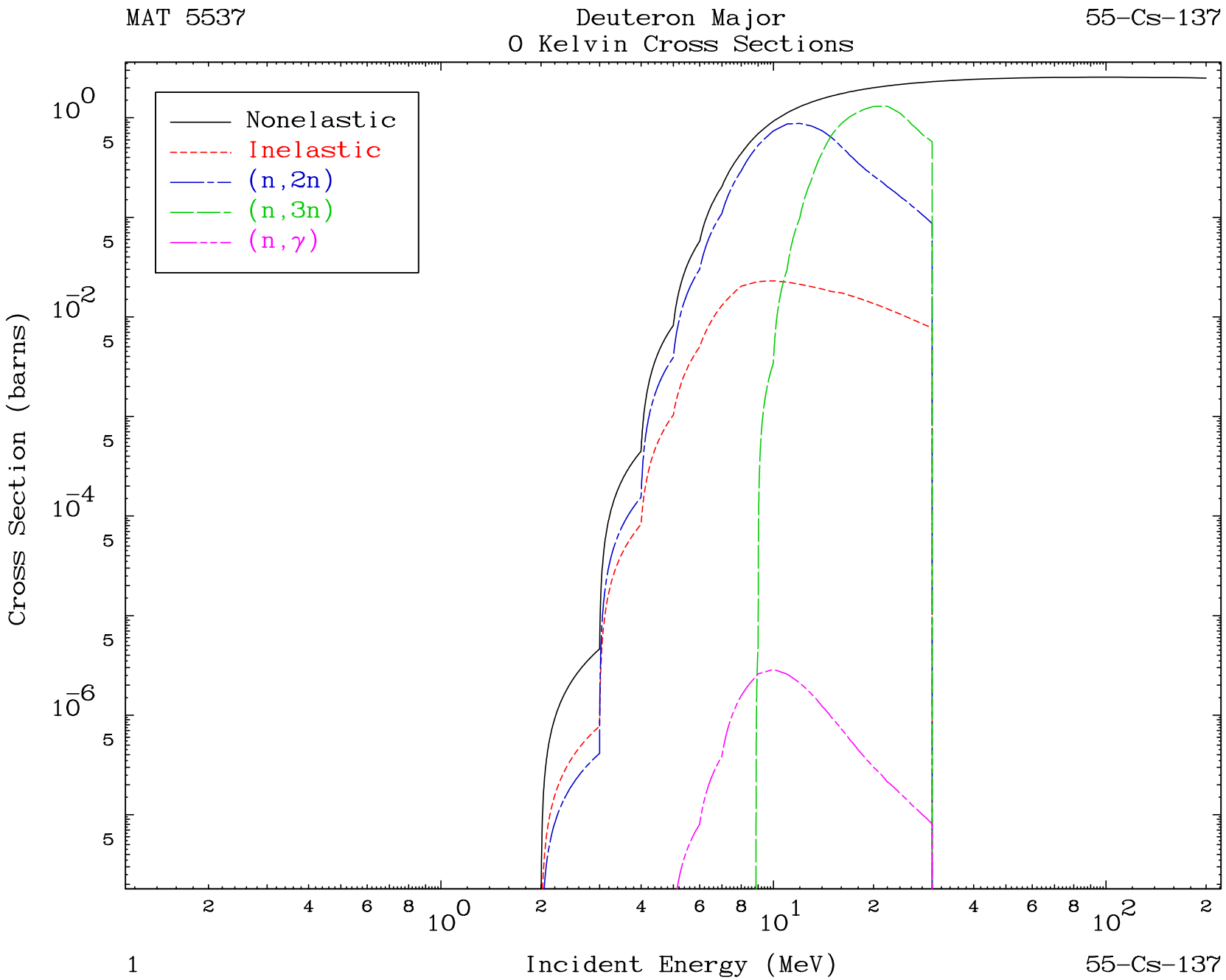
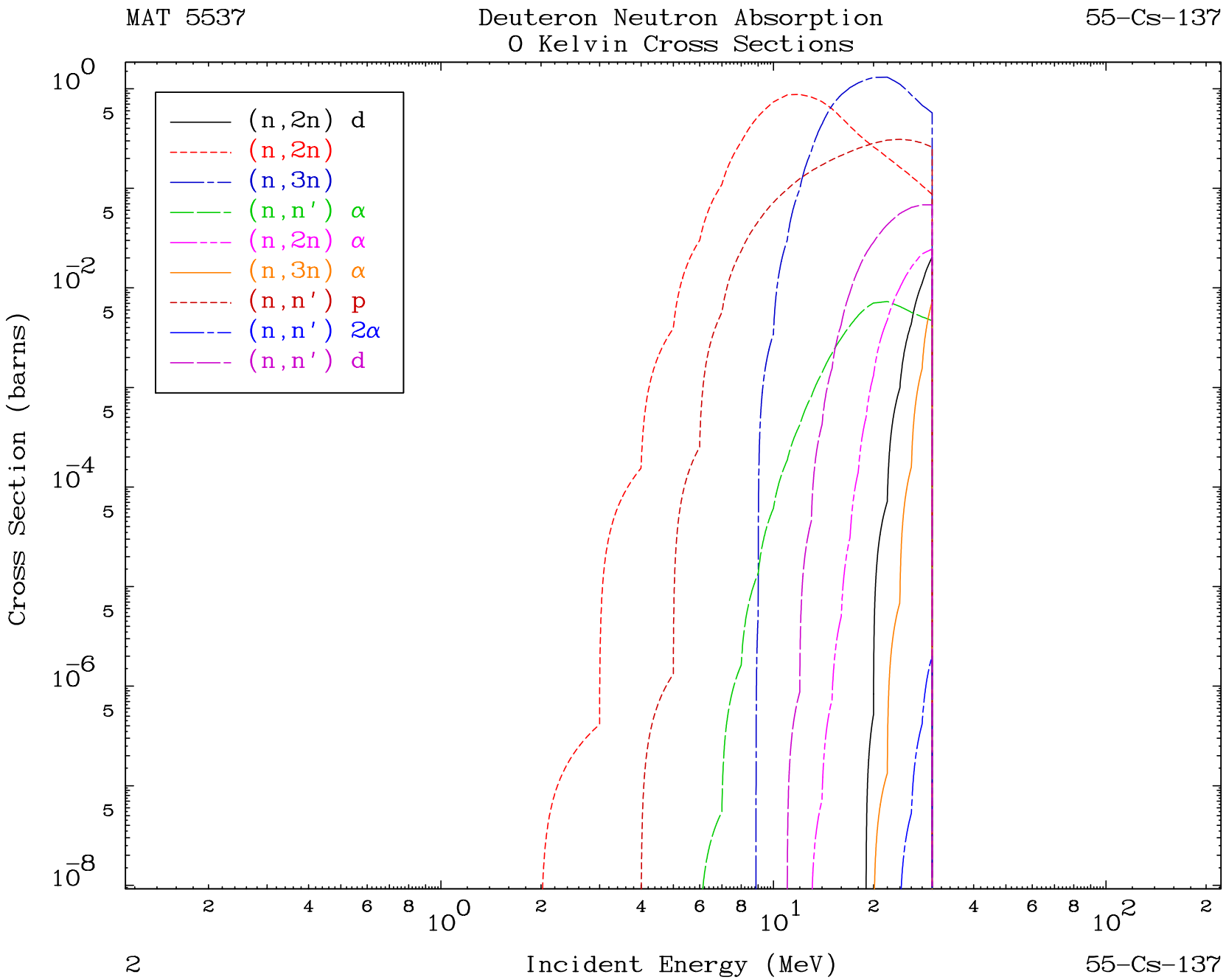
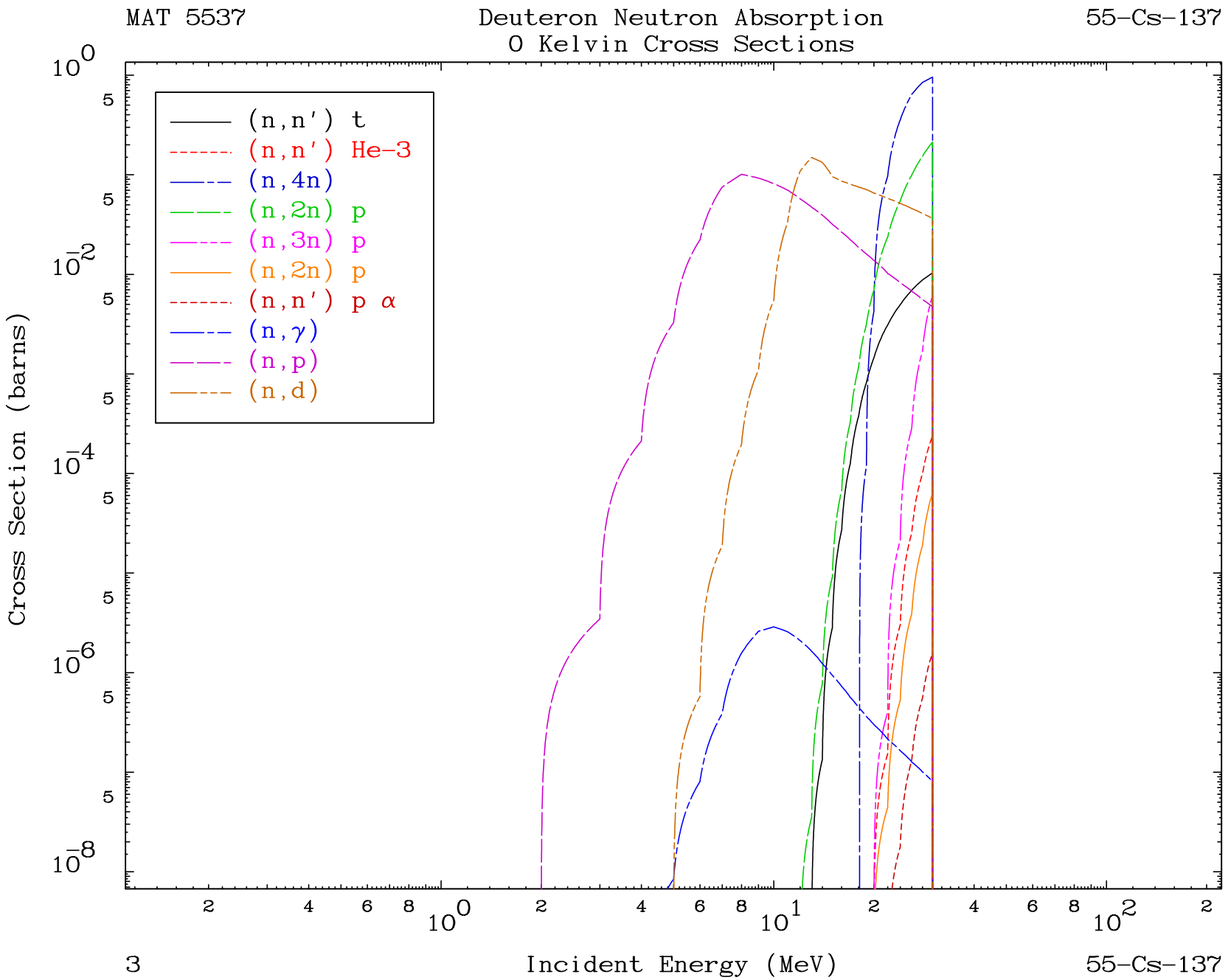
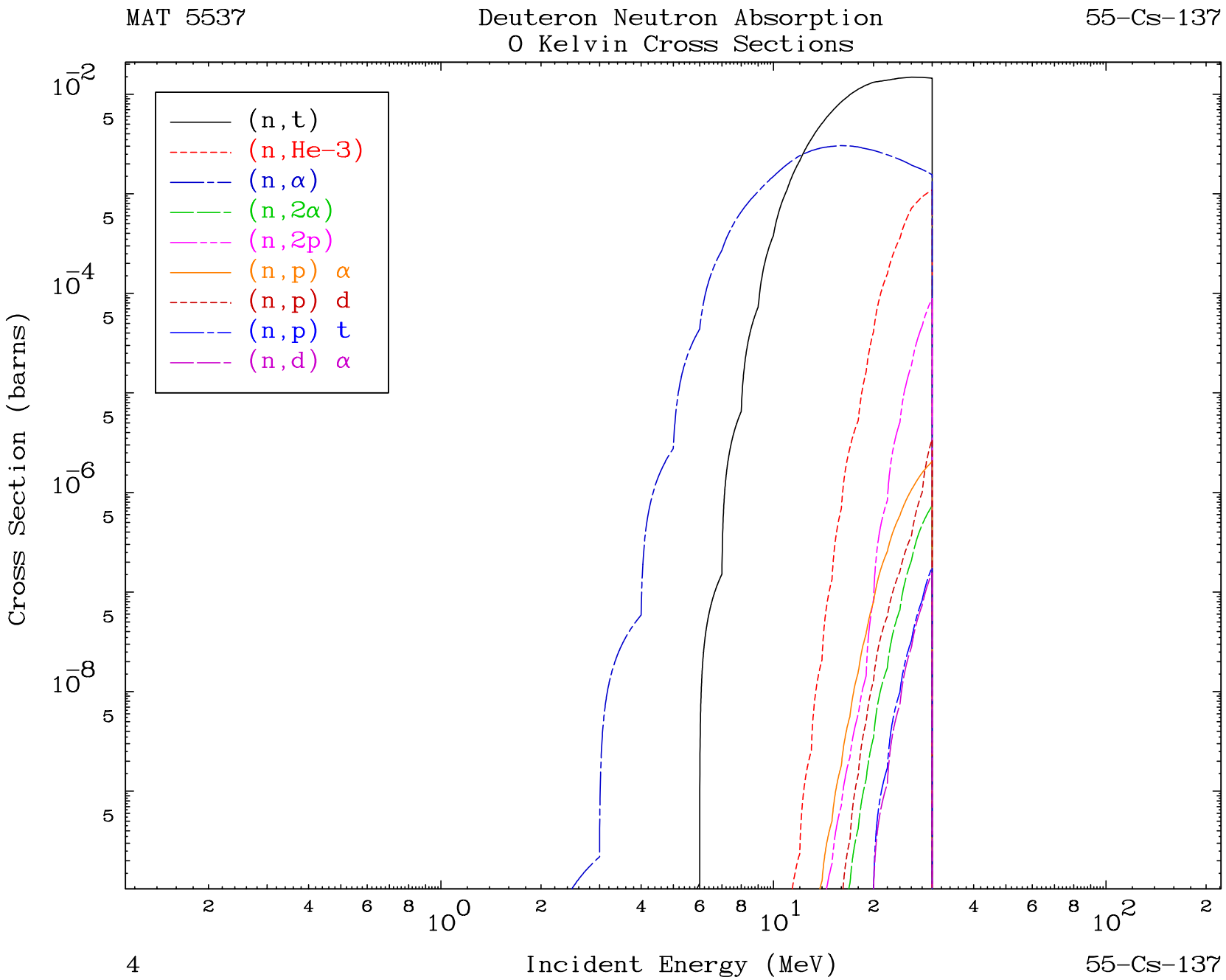
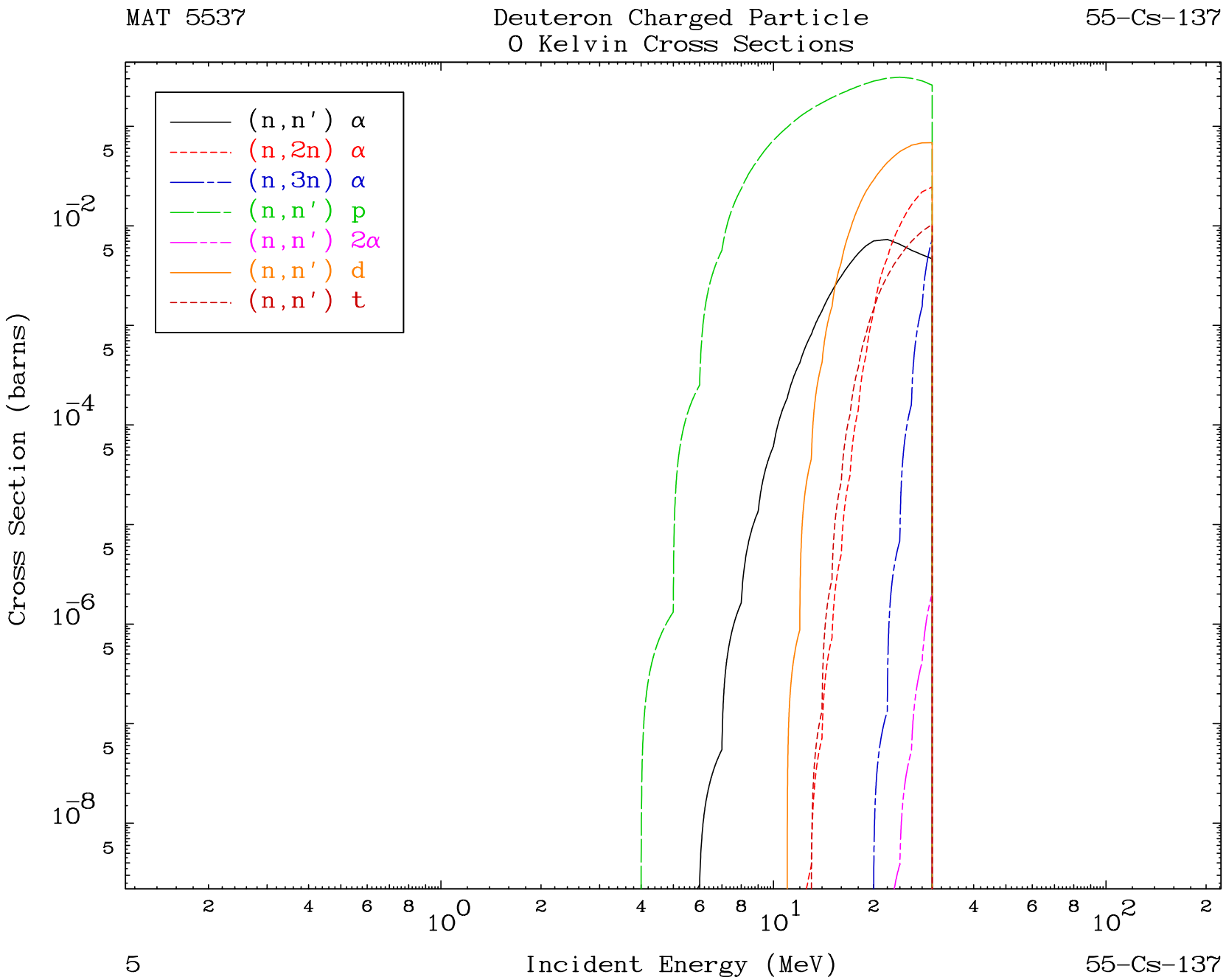
Press Mouse Button to Start

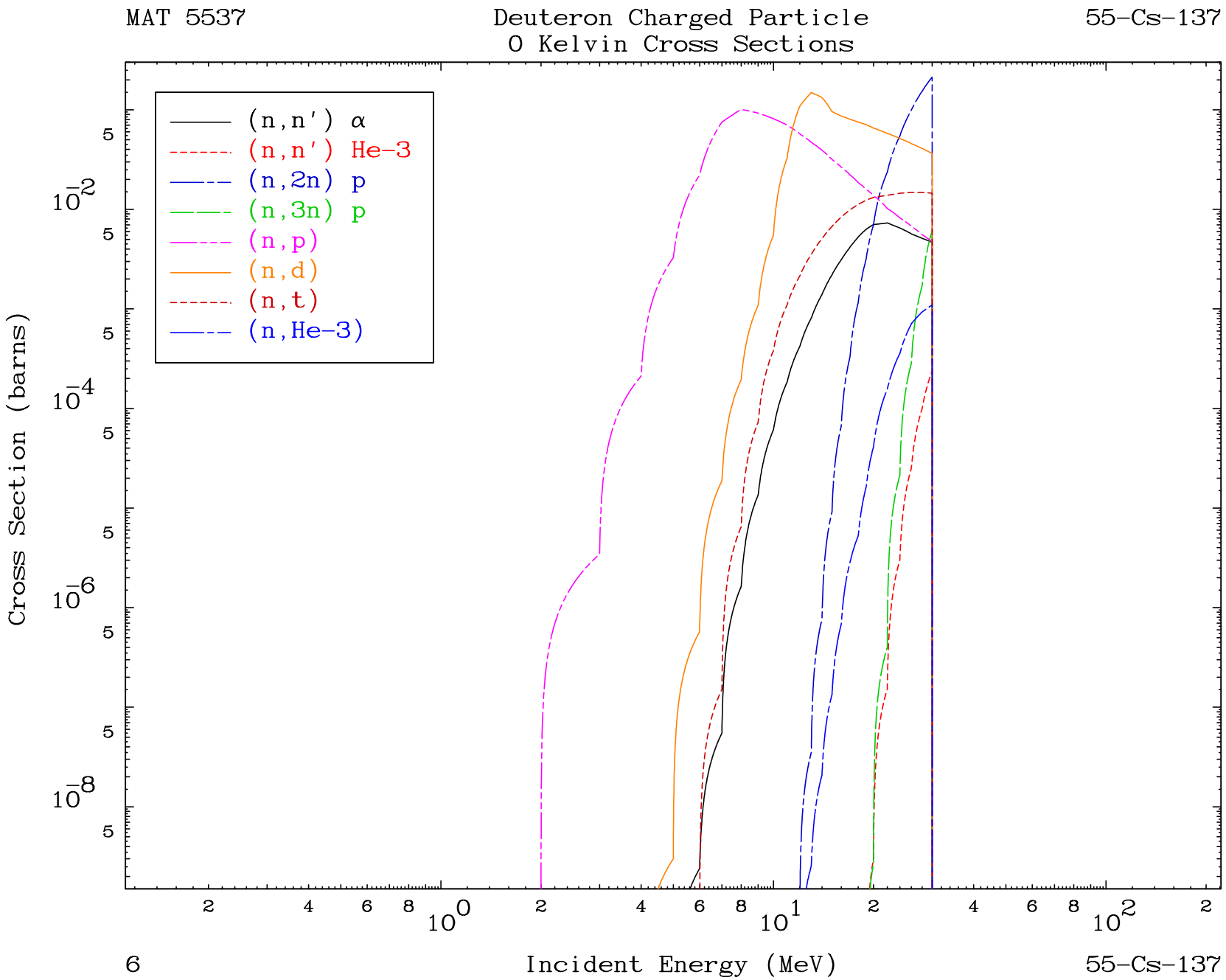

MAT 5537
Deuteron Major
55-Cs-137
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
1

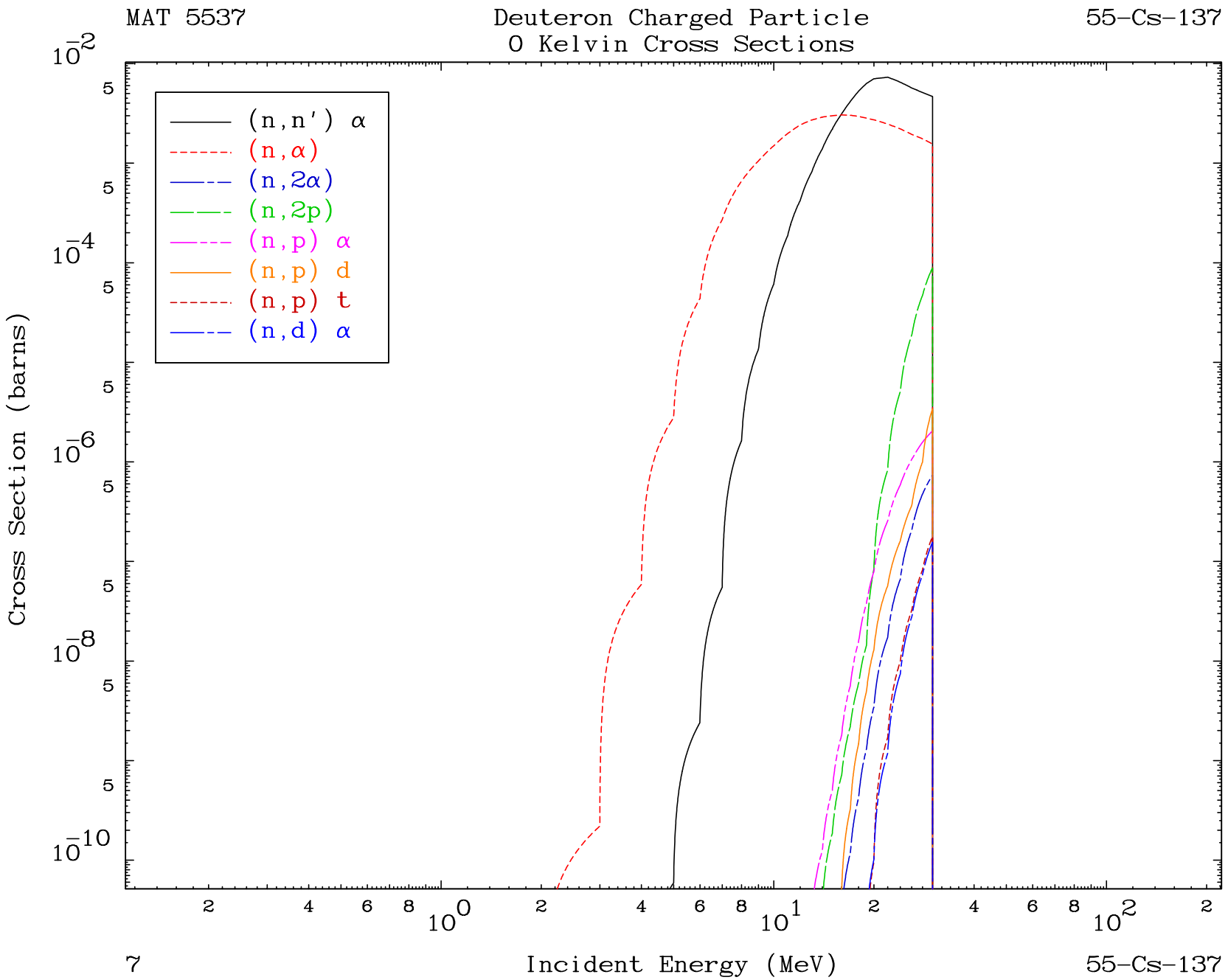

MAT 5537
Deuteron Neutron Absorption
0 Kelvin Cross Sections
55-Cs-137
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
2

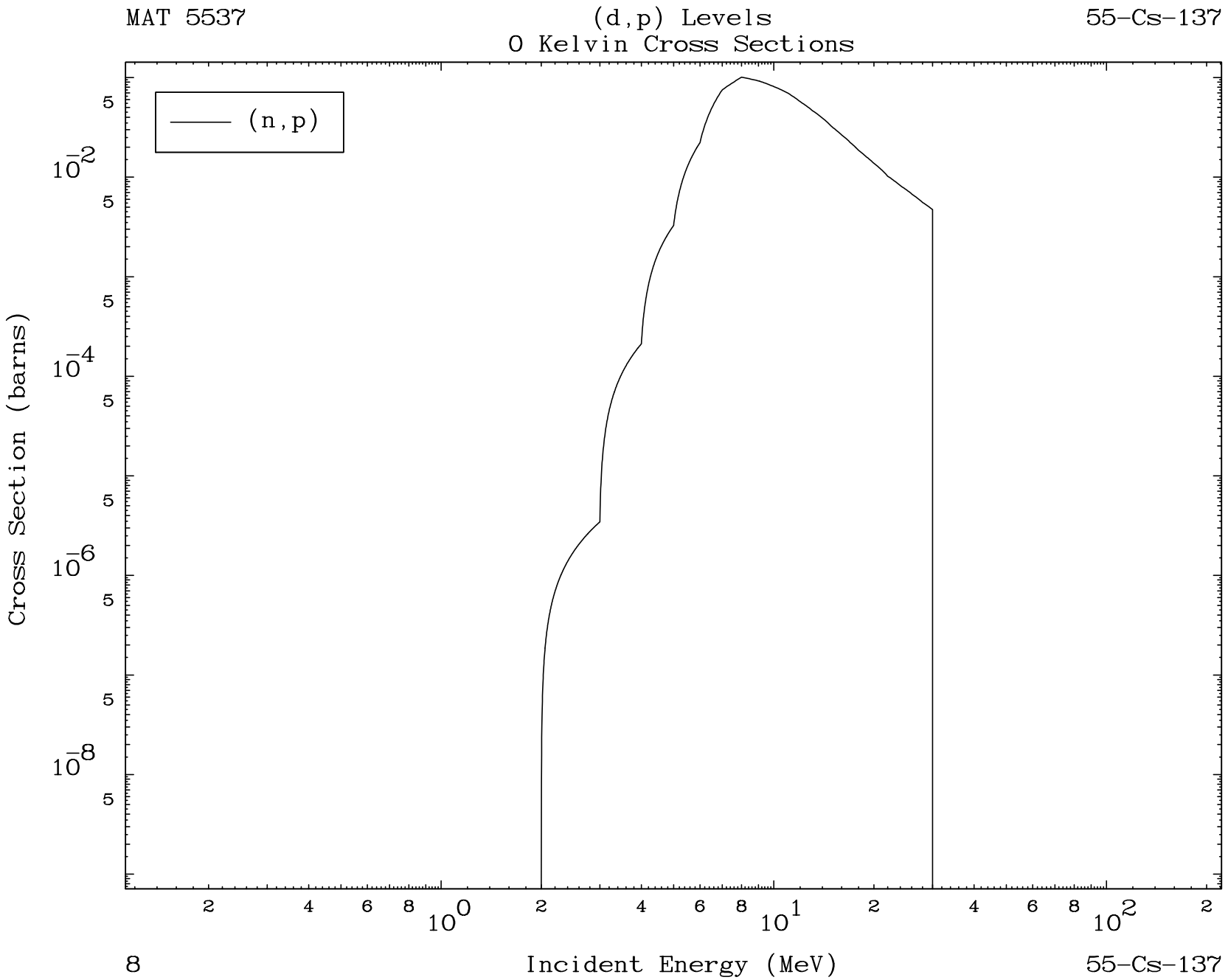

MAT 5537
Deuteron Neutron Absorption
0 Kelvin Cross Sections
55-Cs-137
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
55-Cs-137

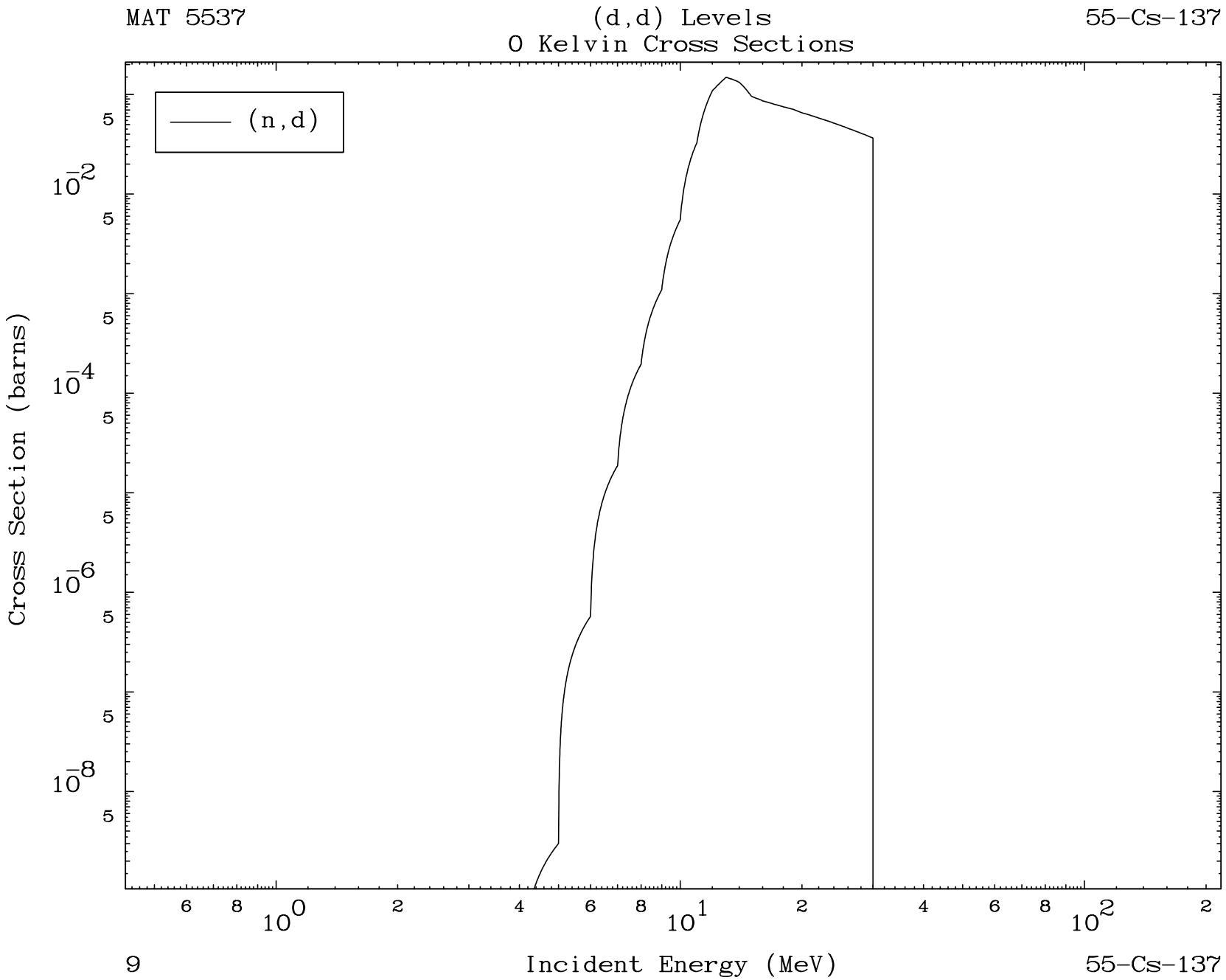

MAT 5537
Deuteron Neutron Absorption
0 Kelvin Cross Sections
55-Cs-137
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-137

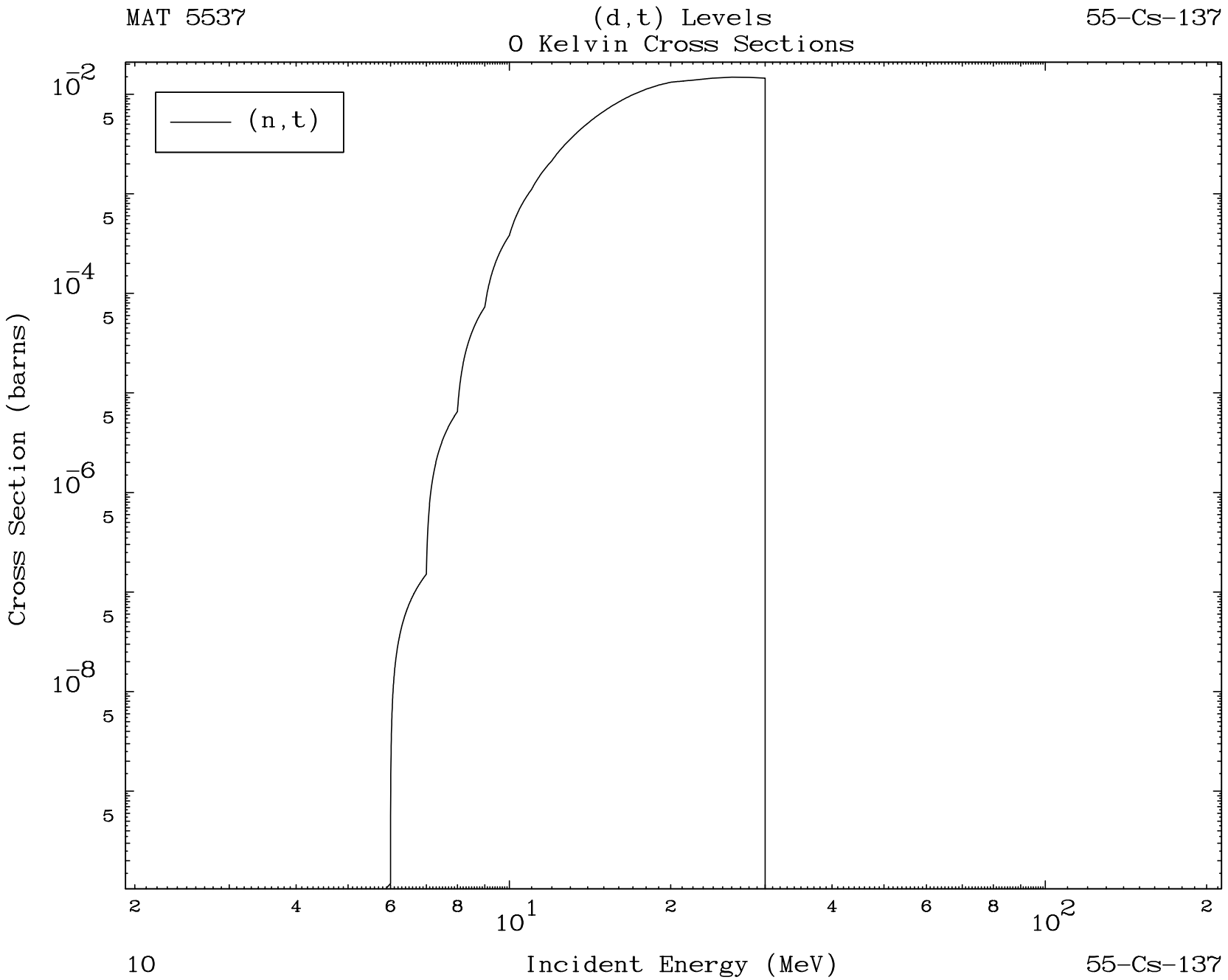

MAT 5537
Deuteron Charged Particle
0 Kelvin Cross Sections
55-Cs-137
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
5

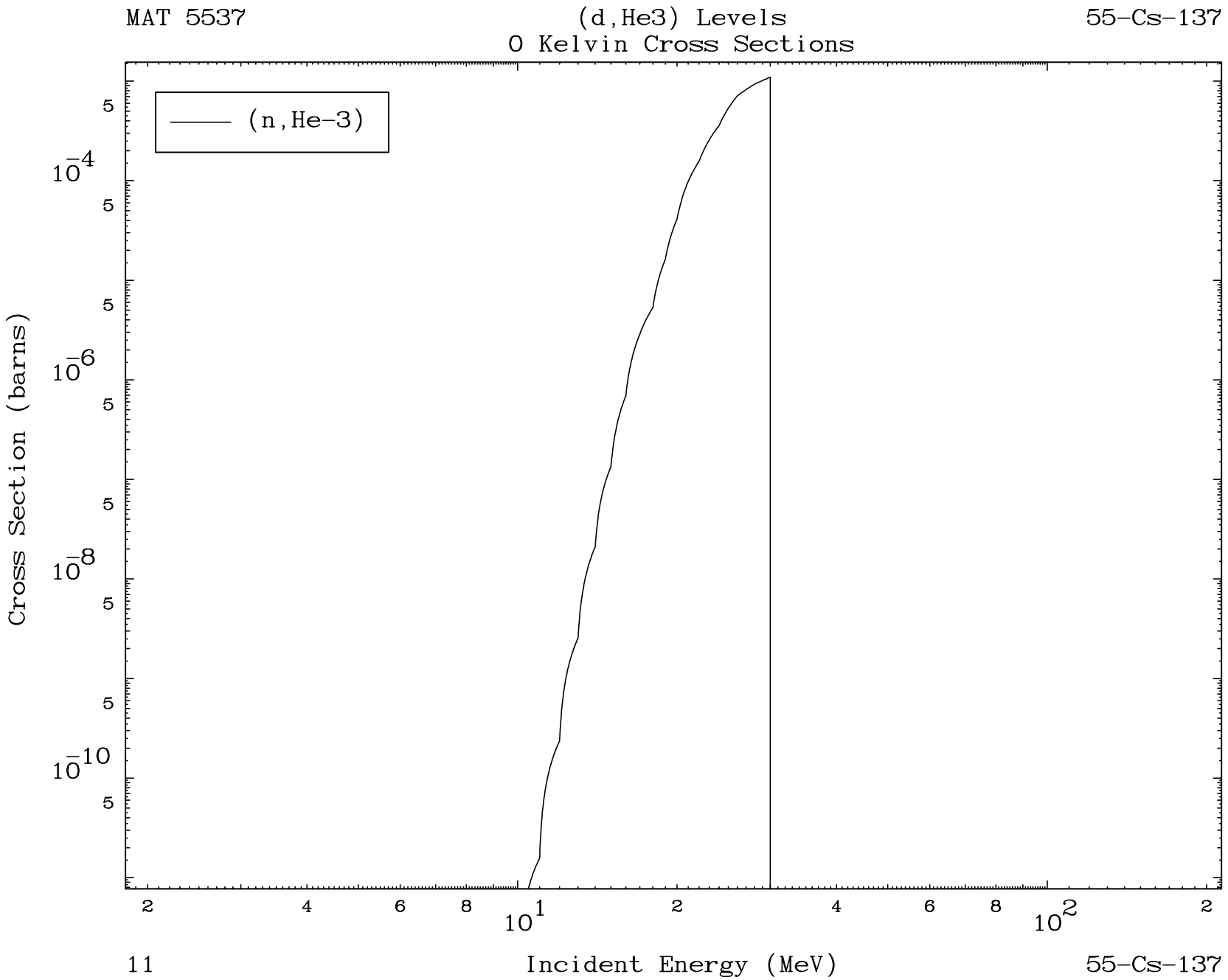

MAT 5537
Deuteron Charged Particle
0 Kelvin Cross Sections
55-Cs-137
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
55-Cs-137

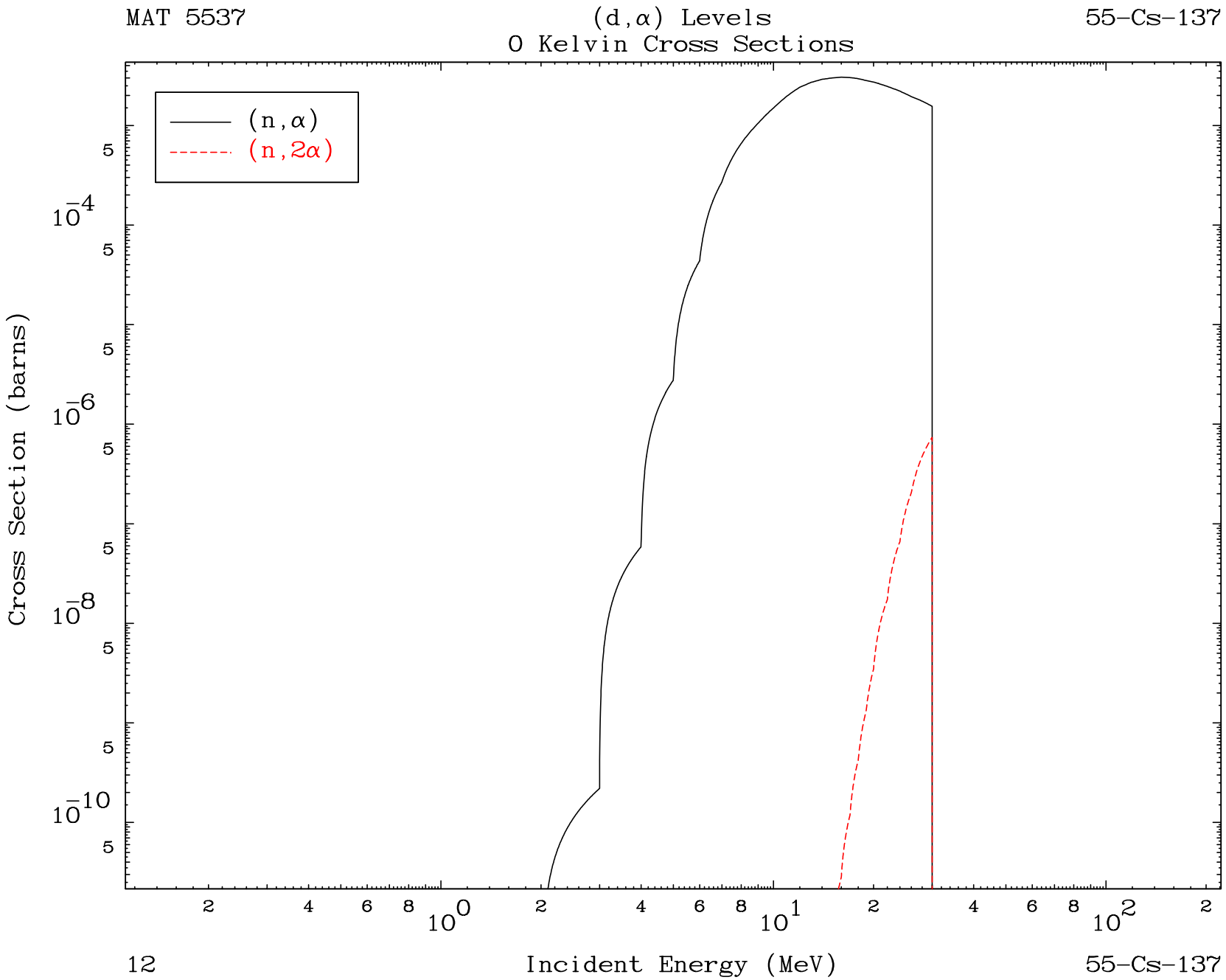

MAT 5537
Deuteron Charged Particle
0 Kelvin Cross Sections
55-Cs-137
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
55-Cs-137

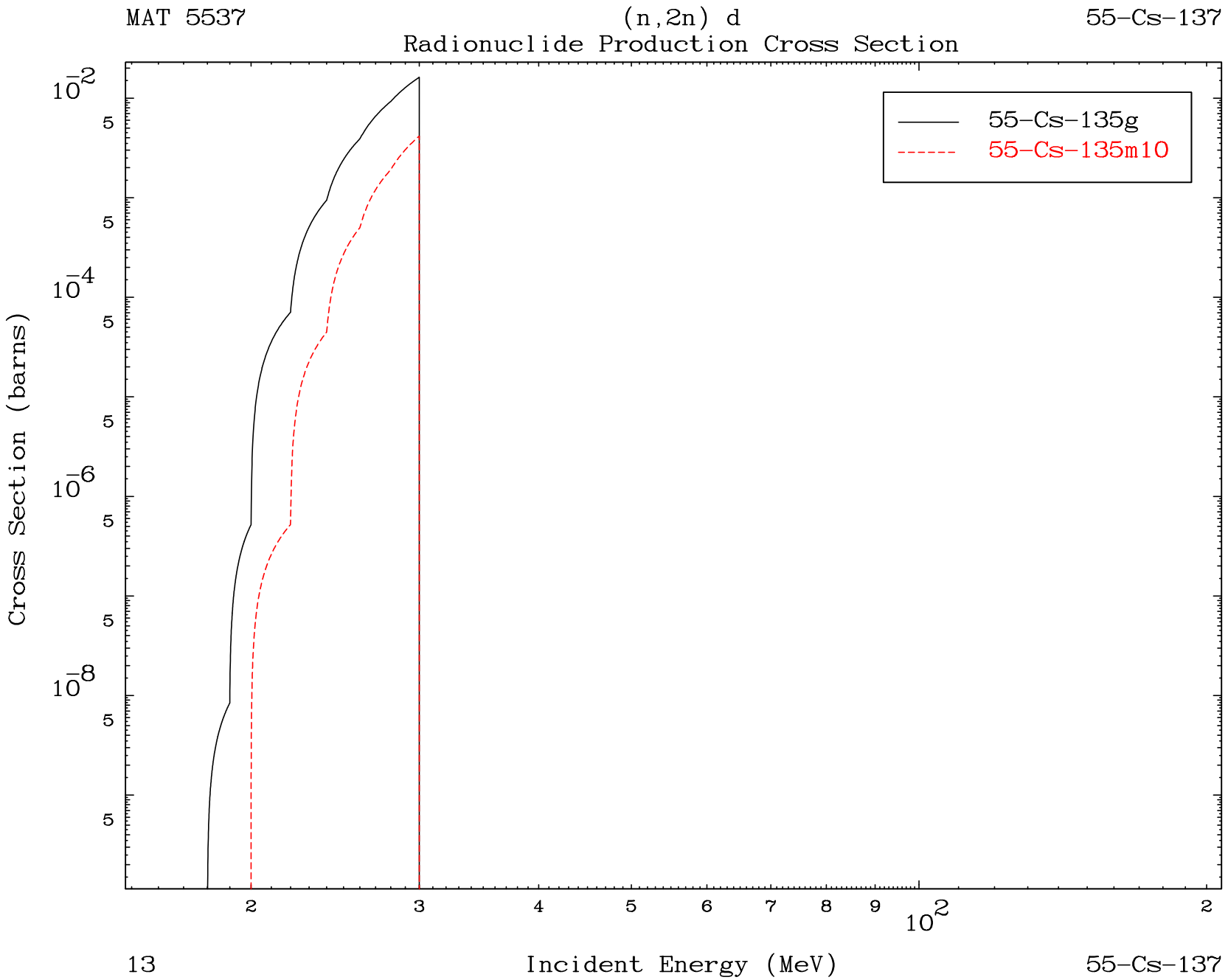

MAT 5537
(d,p) Levels
55-Cs-137
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
55-Cs-137

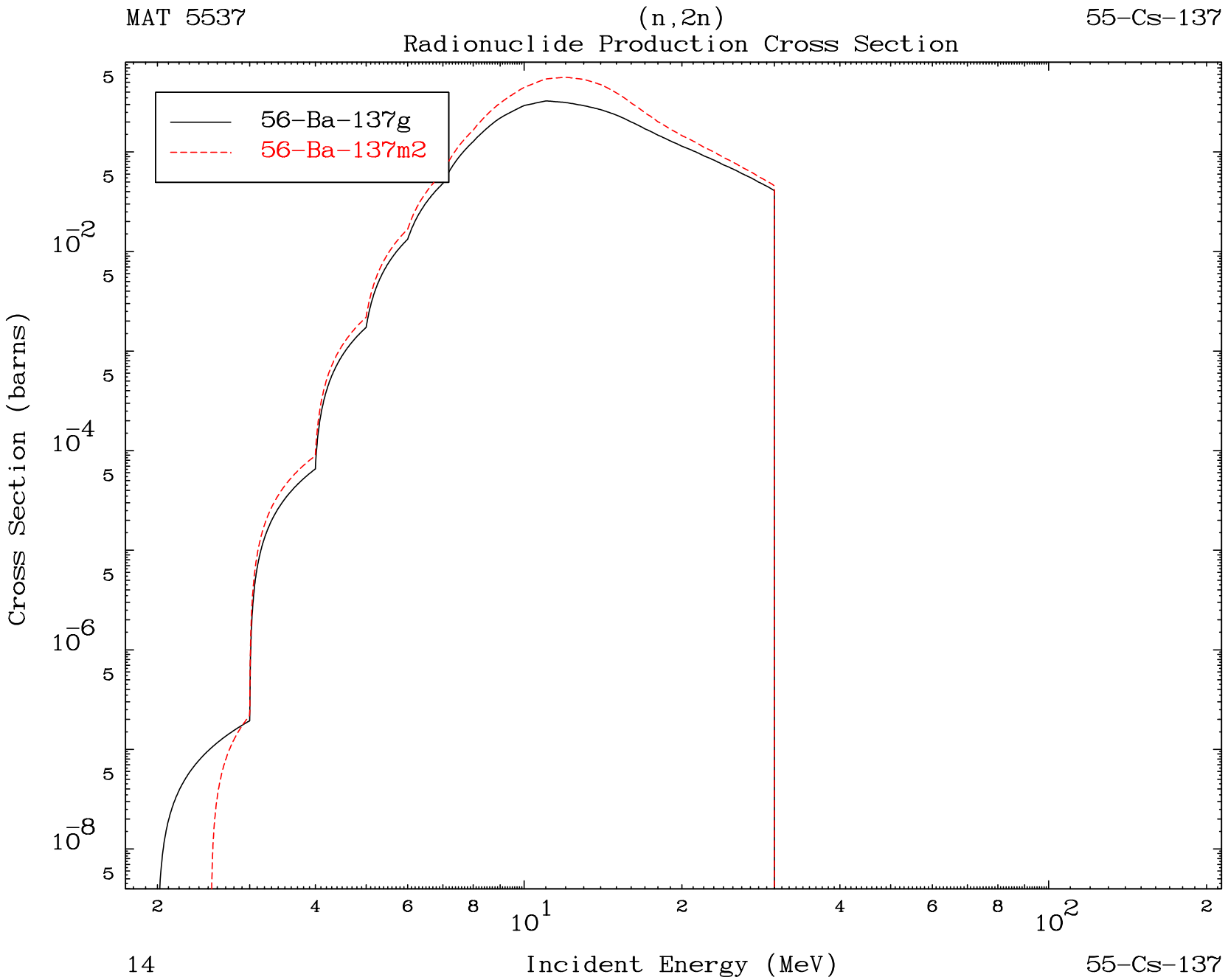

MAT 5537
(d,d) Levels
55-Cs-137
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
9
55-Cs-137

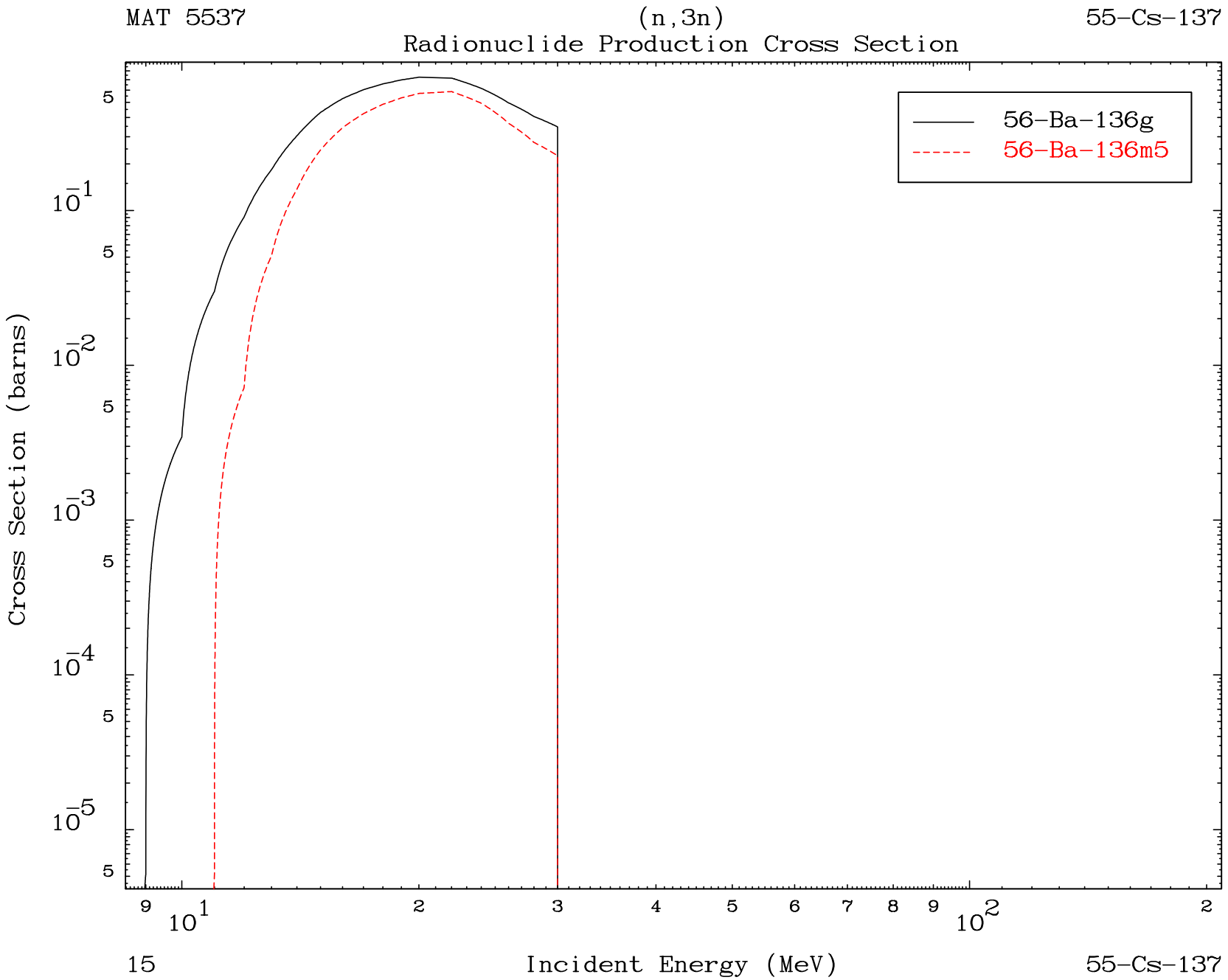

MAT 5537
(d,t) Levels
55-Cs-137
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137

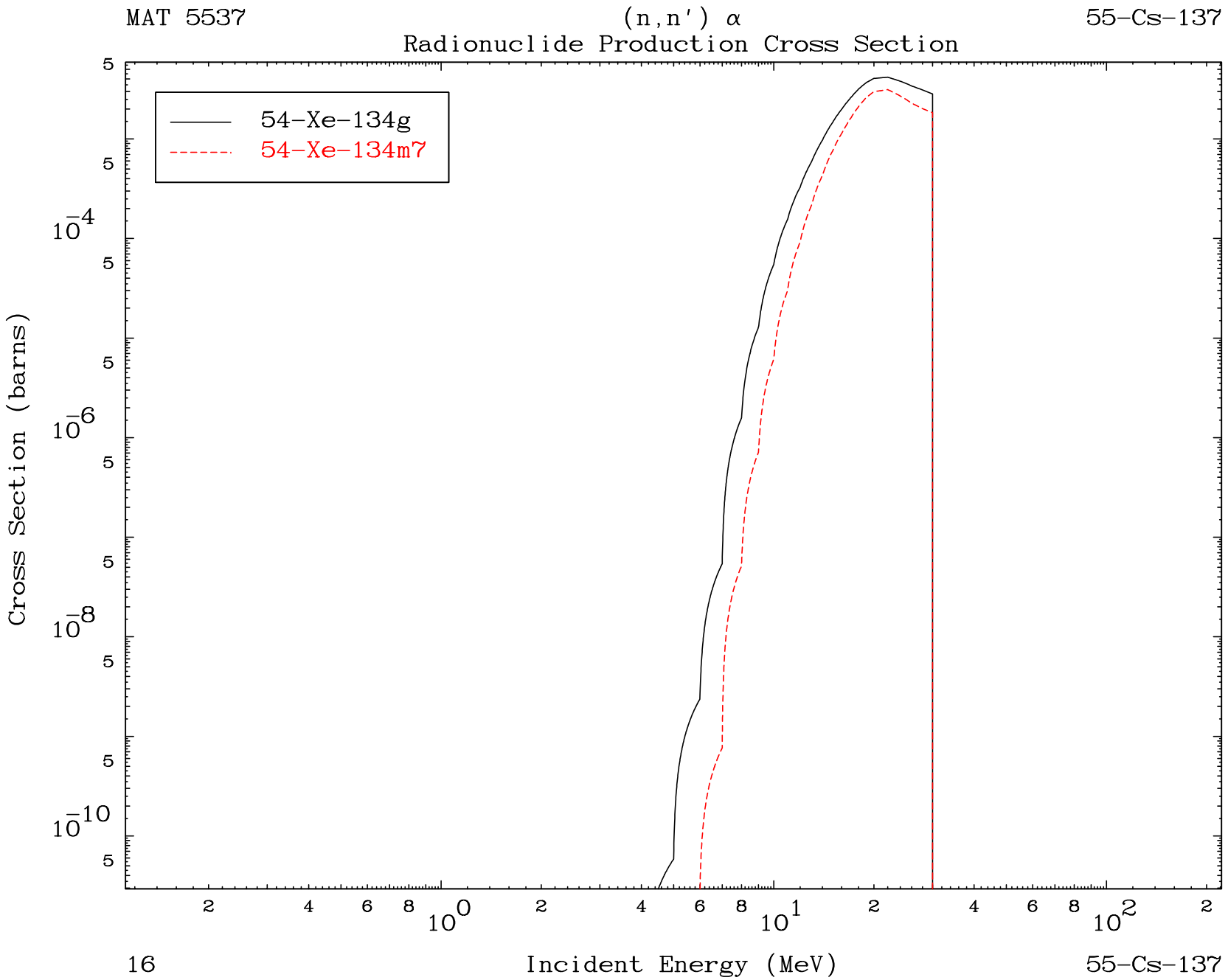

MAT 5537
(d,He3) Levels
55-Cs-137
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
11
55-Cs-137

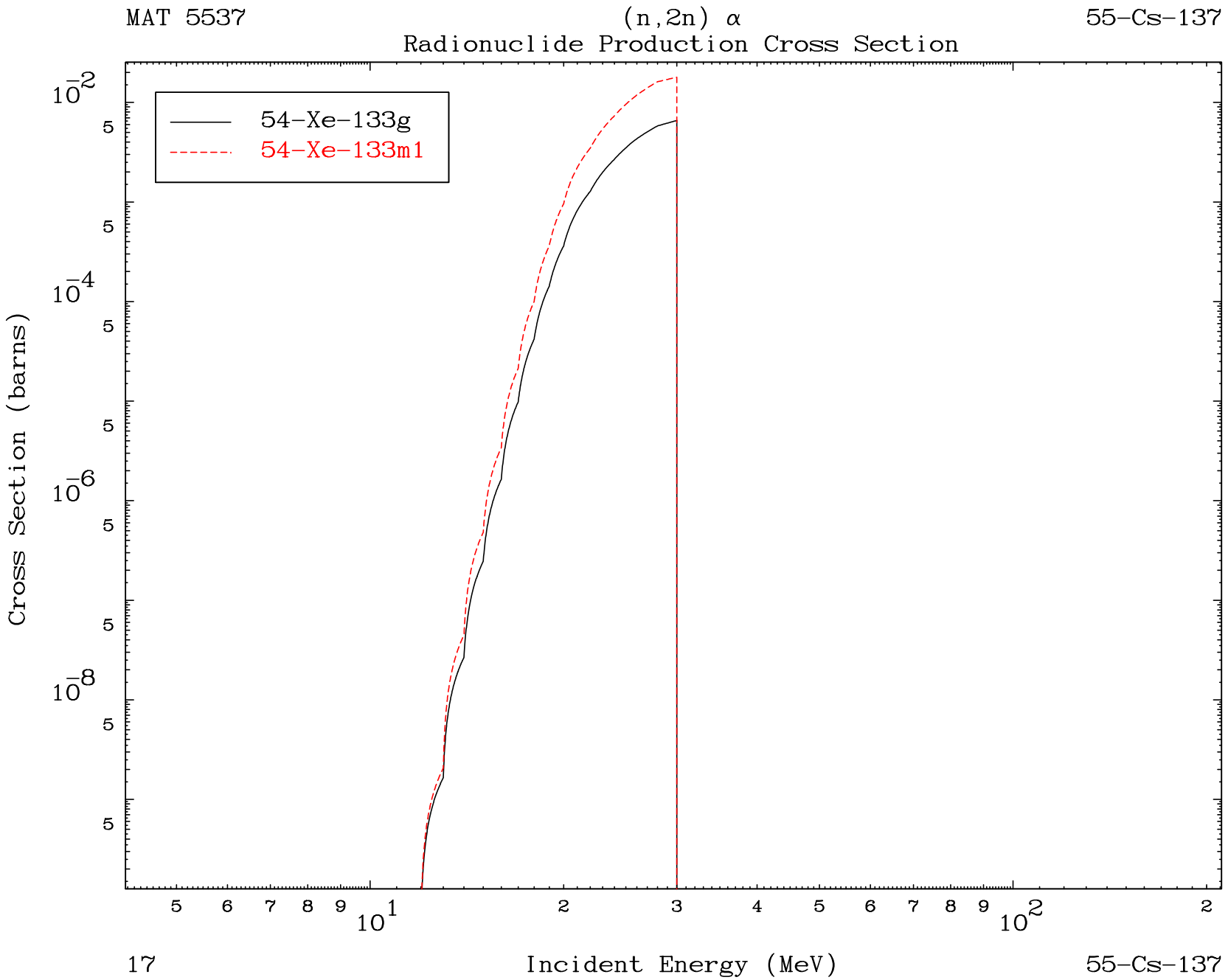

MAT 5537
(d,α) Levels
55-Cs-137
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
55-Cs-137

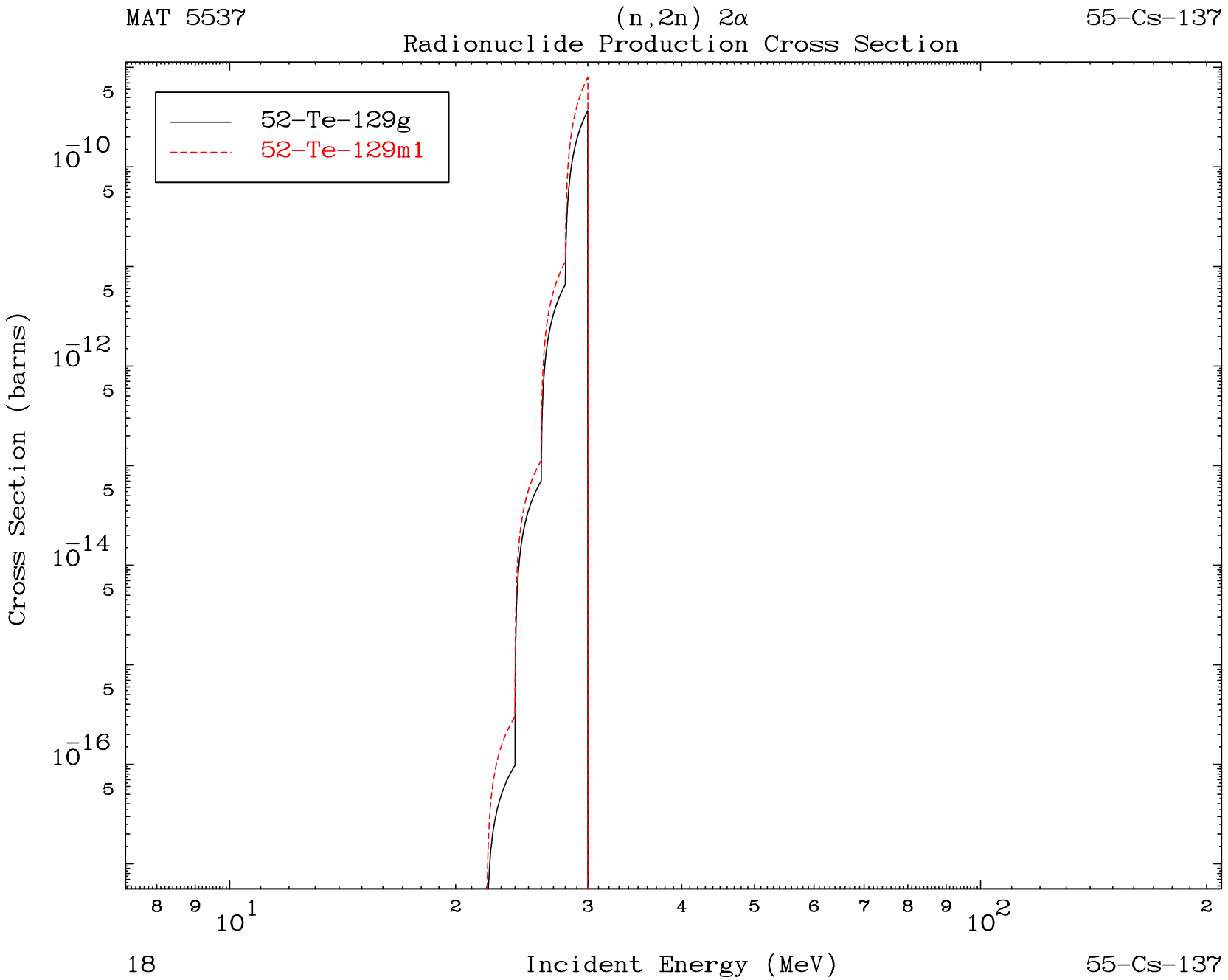

MAT 5537
(n,2n) d
55-Cs-137
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
55-Cs-137

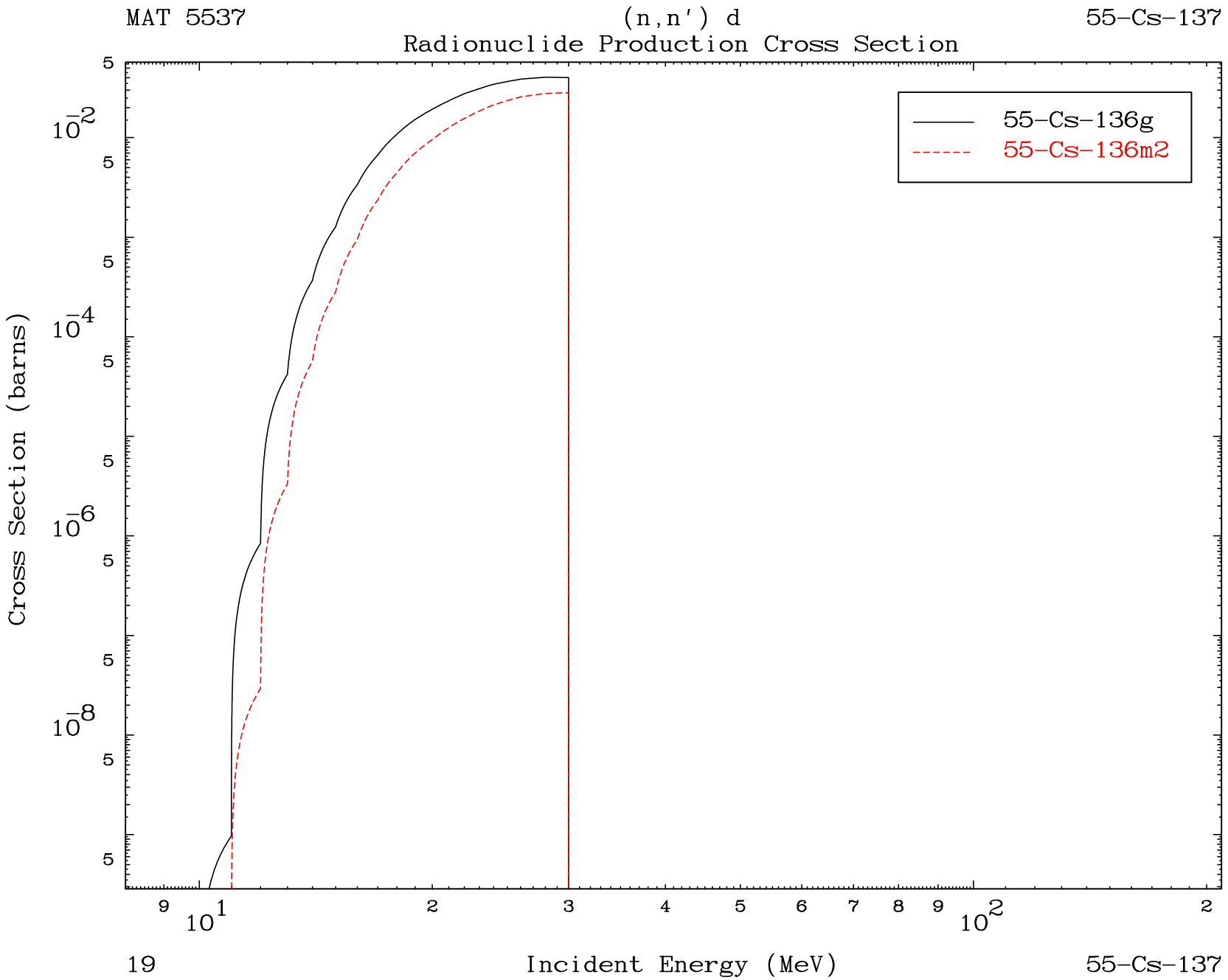

MAT 5537
(n,2n)
55-Cs-137
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-137

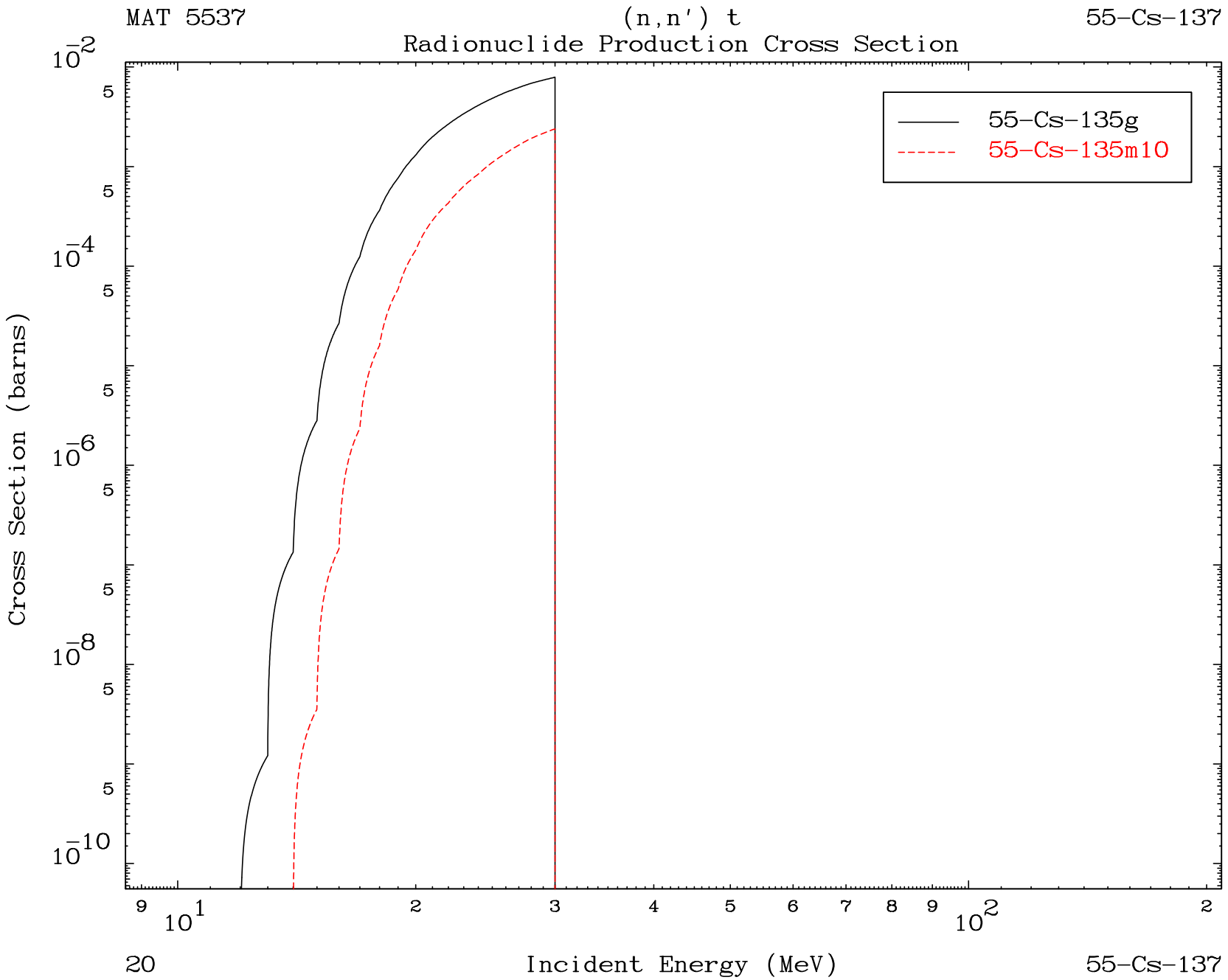

MAT 5537
(n,3n)
55-Cs-137
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
Incident Energy (MeV)
55-Cs-137
15

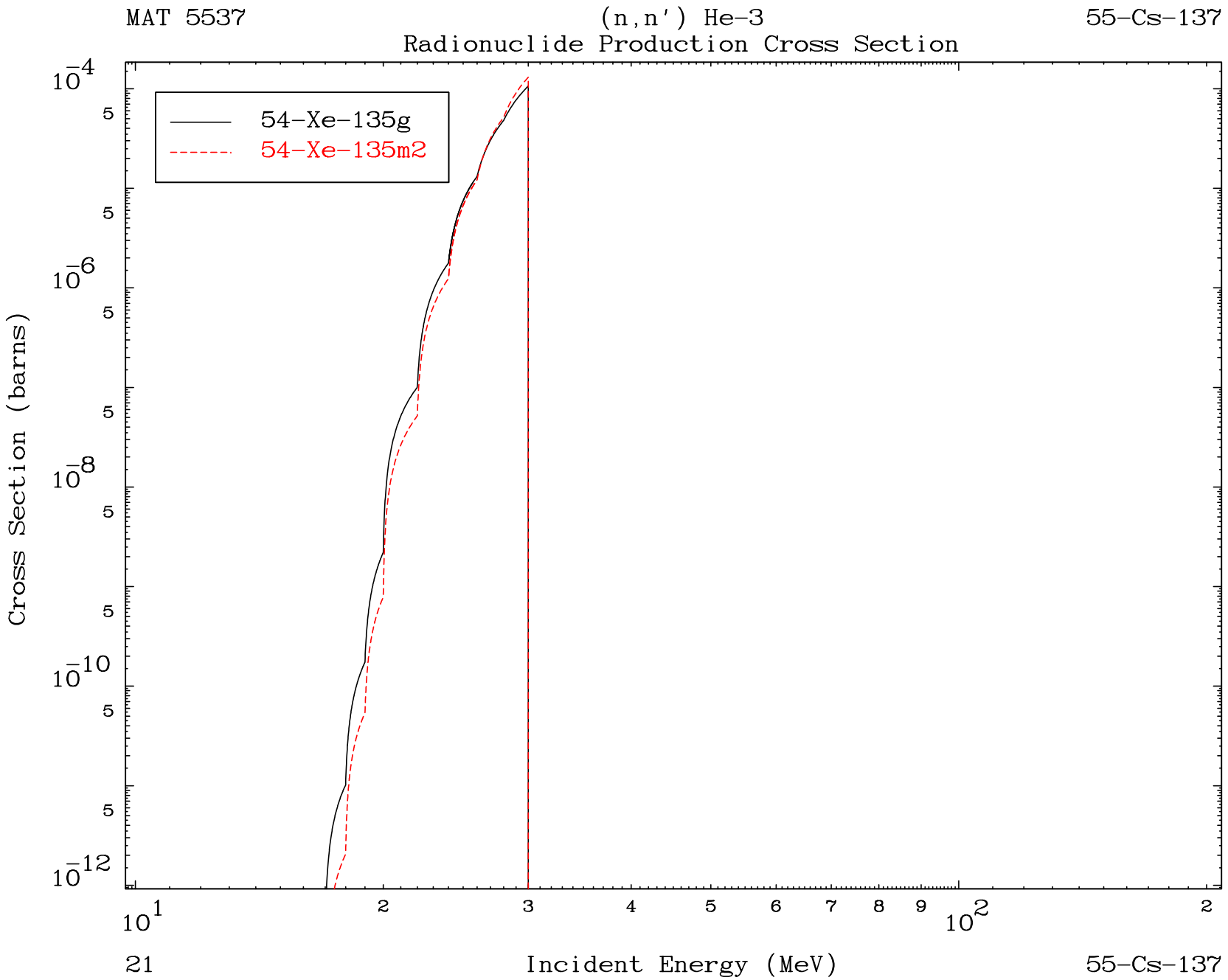

MAT 5537
(n,n') α
55-Cs-137
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
16
55-Cs-137

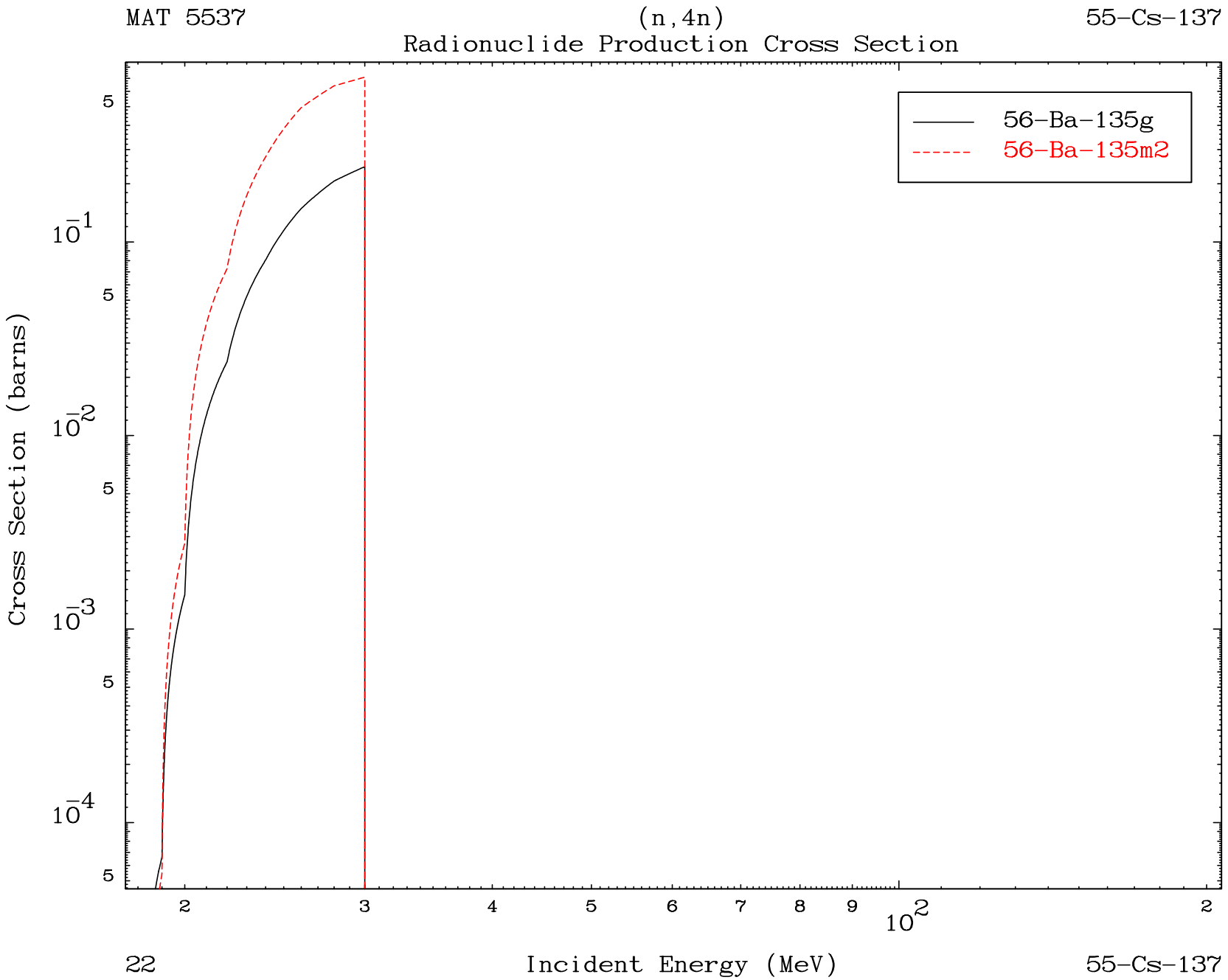

MAT 5537
(n,2n) α
55-Cs-137
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
17
55-Cs-137

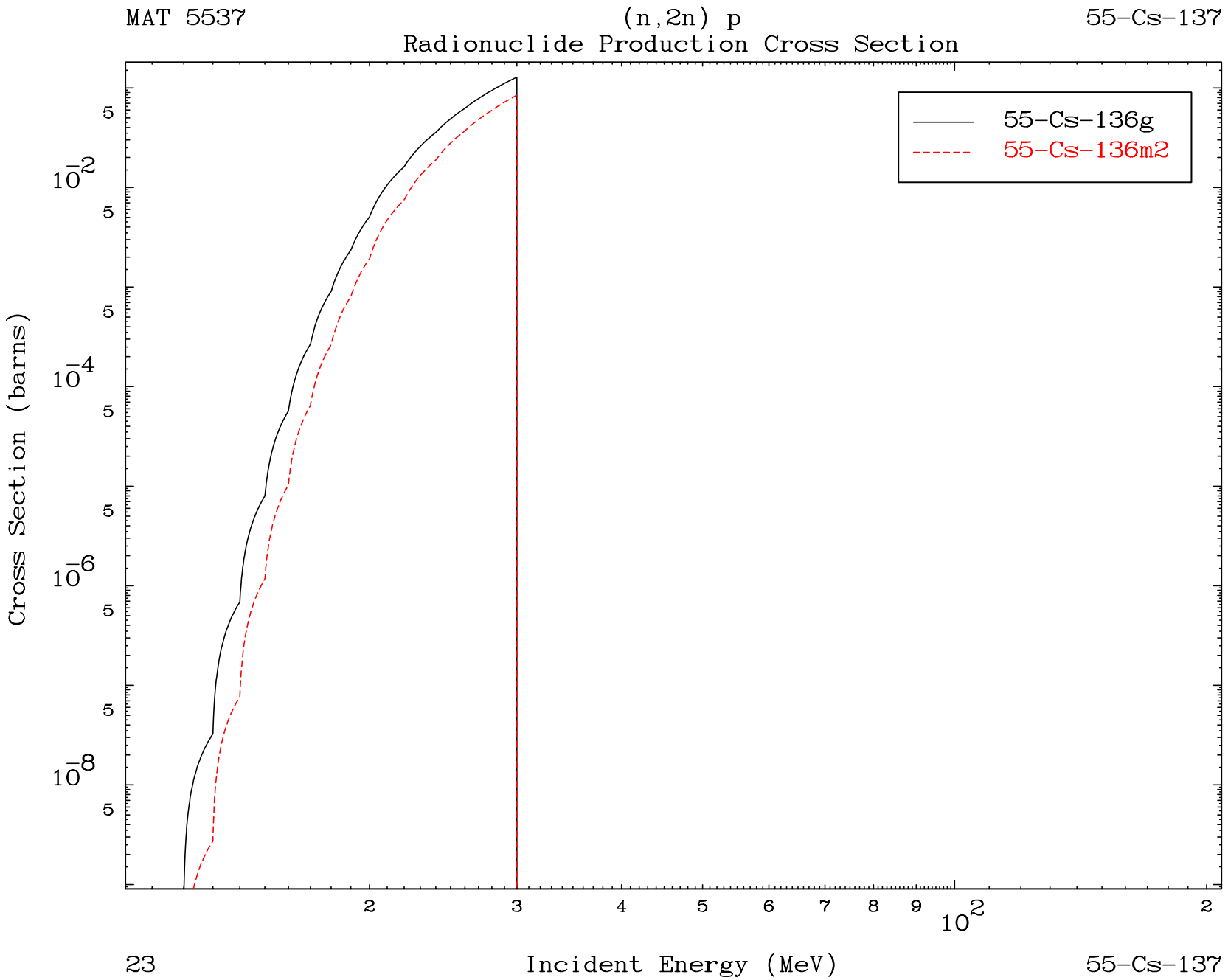

MAT 5537
(n,2n) 2α
55-Cs-137
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
18
55-Cs-137

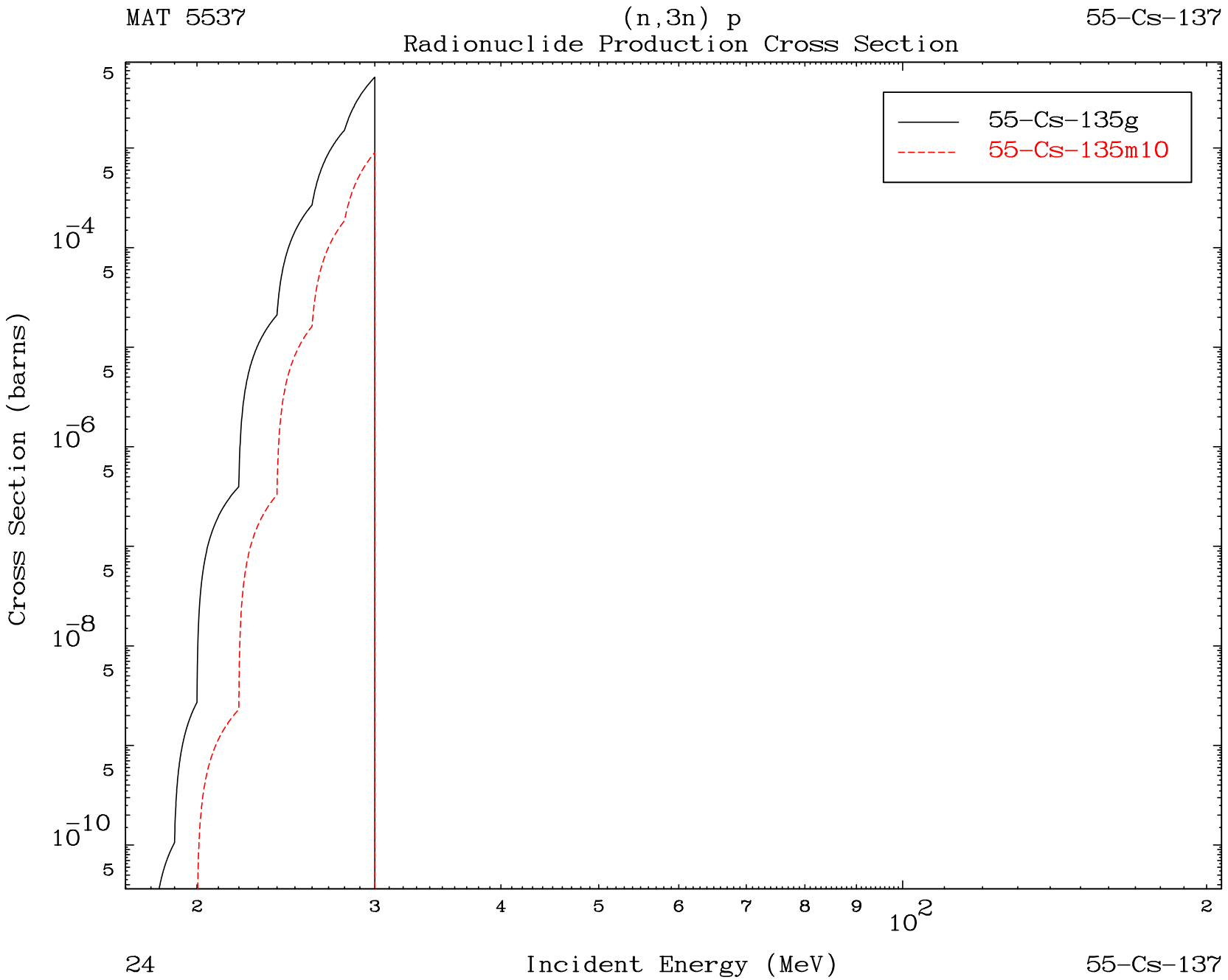

MAT 5537
(n,n') d
55-Cs-137
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
19
55-Cs-137

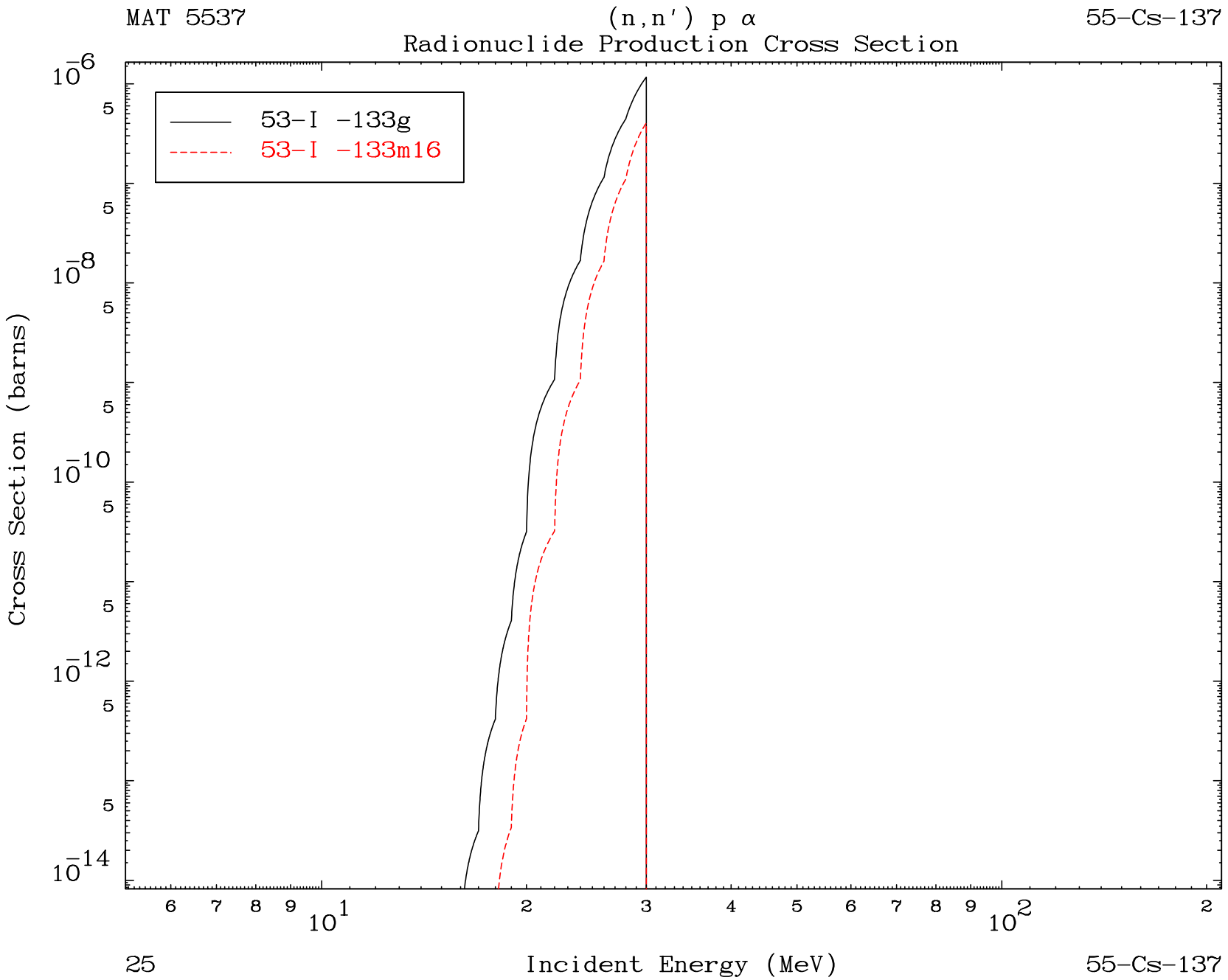

MAT 5537
(n,n') t
55-Cs-137
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
Incident Energy (MeV)
20
55-Cs-137

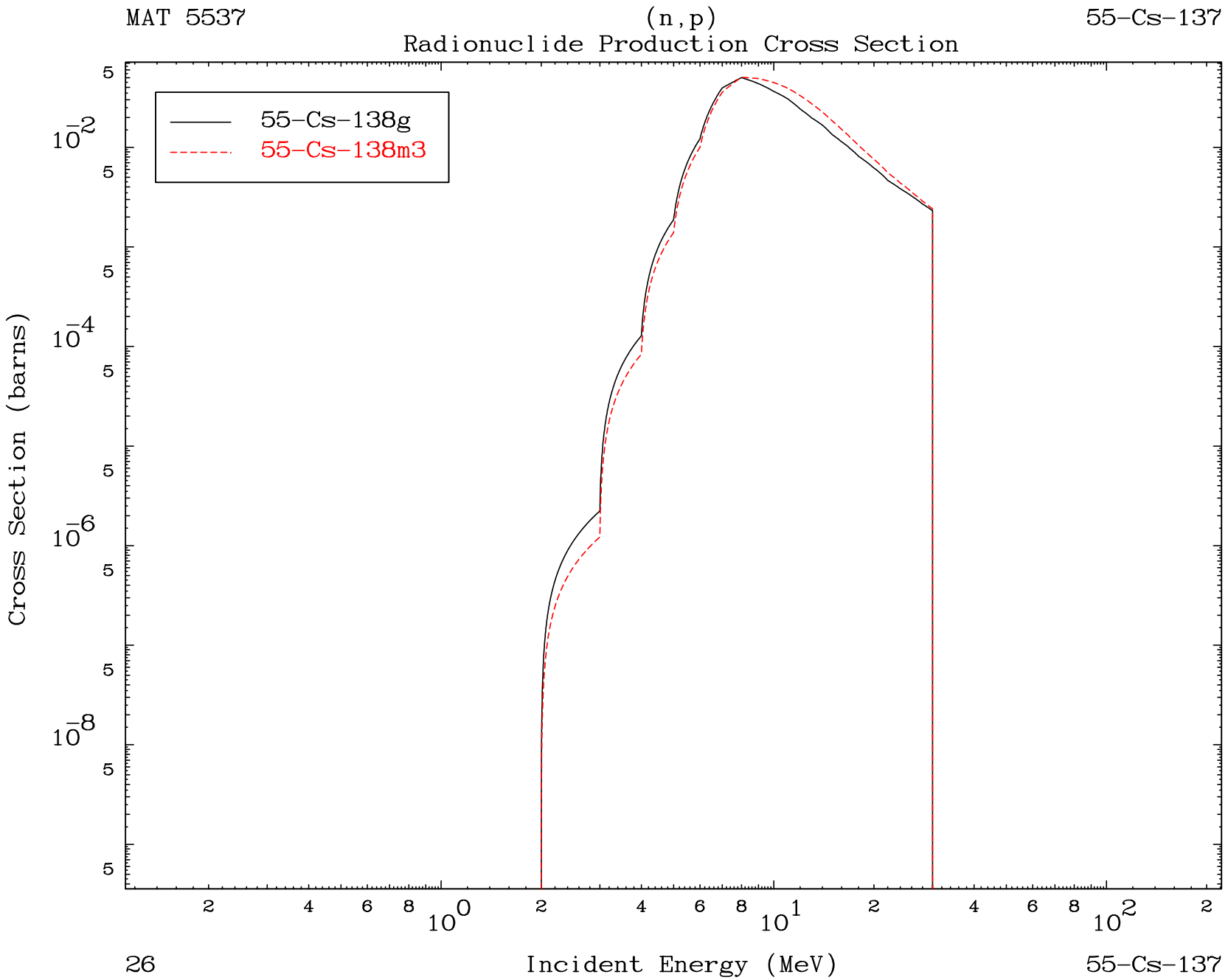

MAT 5537
(n,n') He-3
55-Cs-137
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
21
55-Cs-137

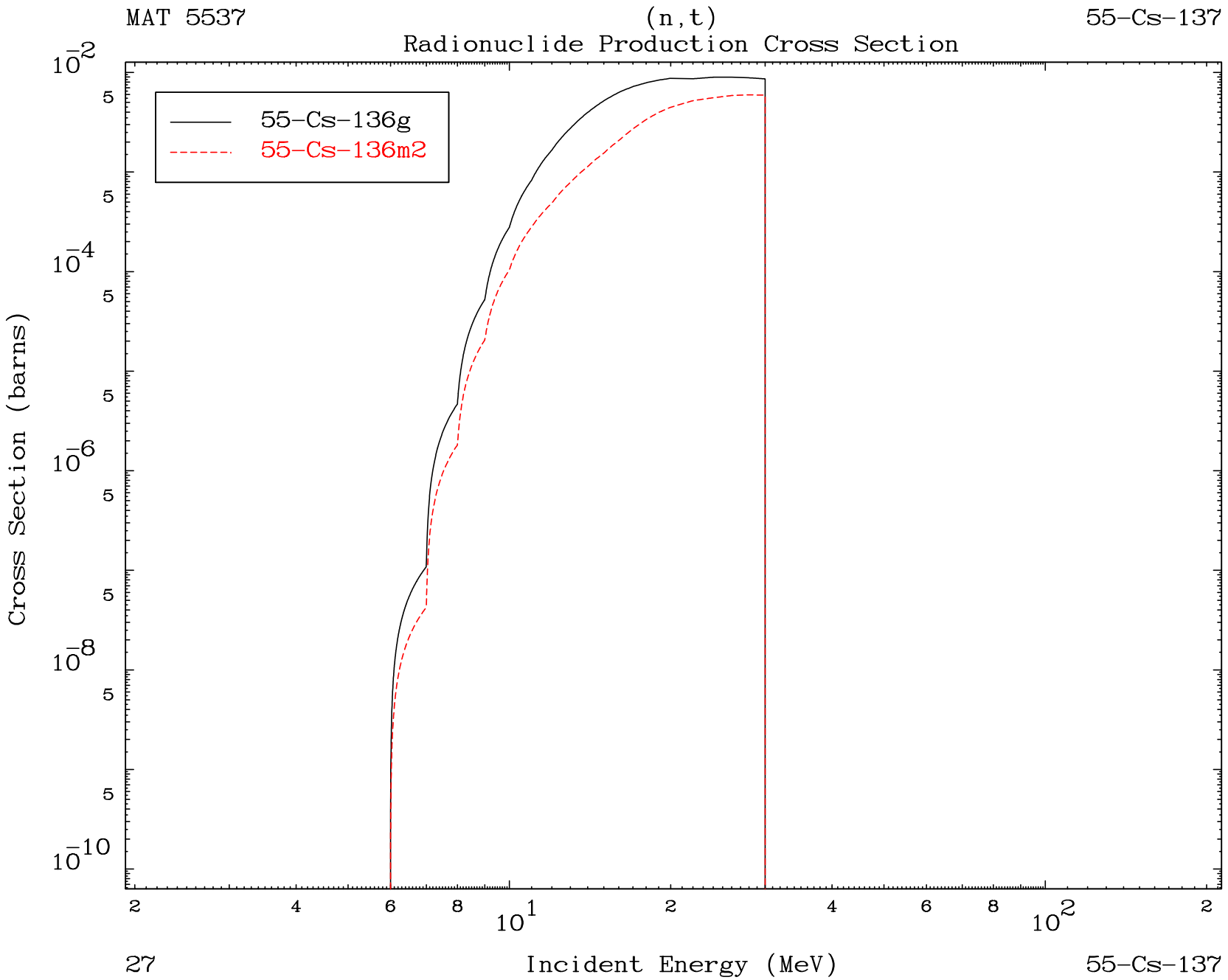

MAT 5537
(n,4n)
55-Cs-137
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
22
55-Cs-137

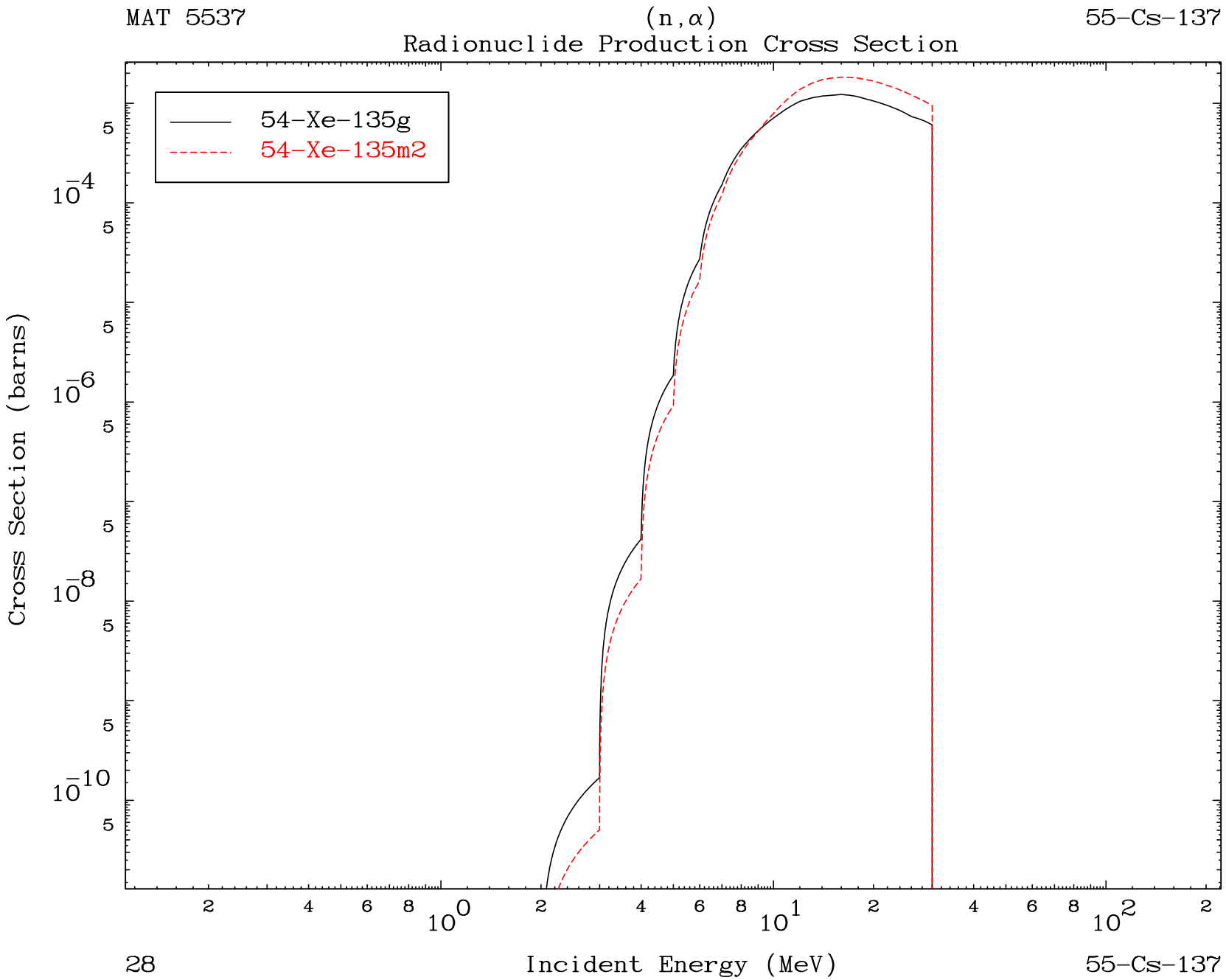

MAT 5537
(n,2n) p
55-Cs-137
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
55-Cs-137

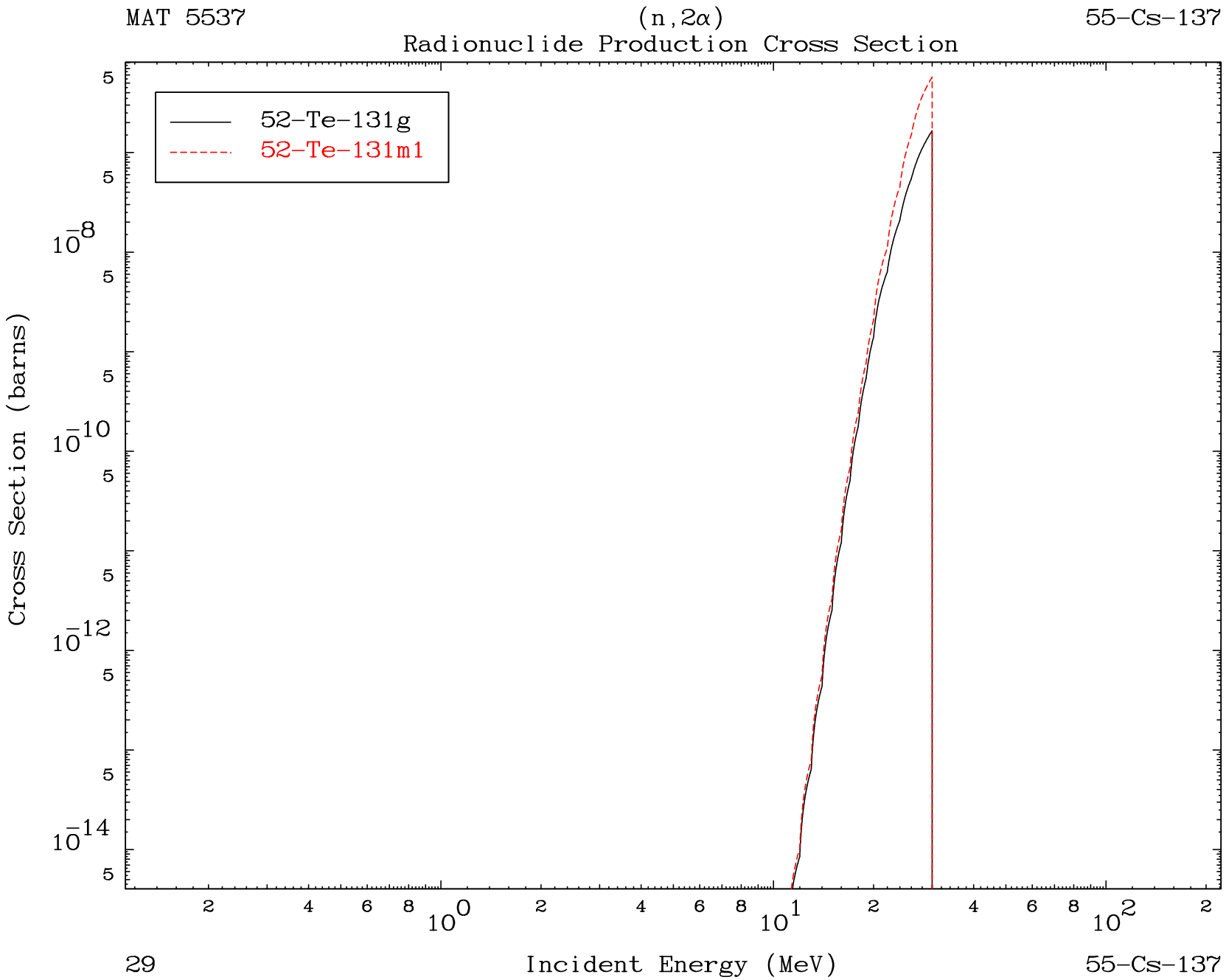

MAT 5537
(n,3n) p
55-Cs-137
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
55-Cs-137

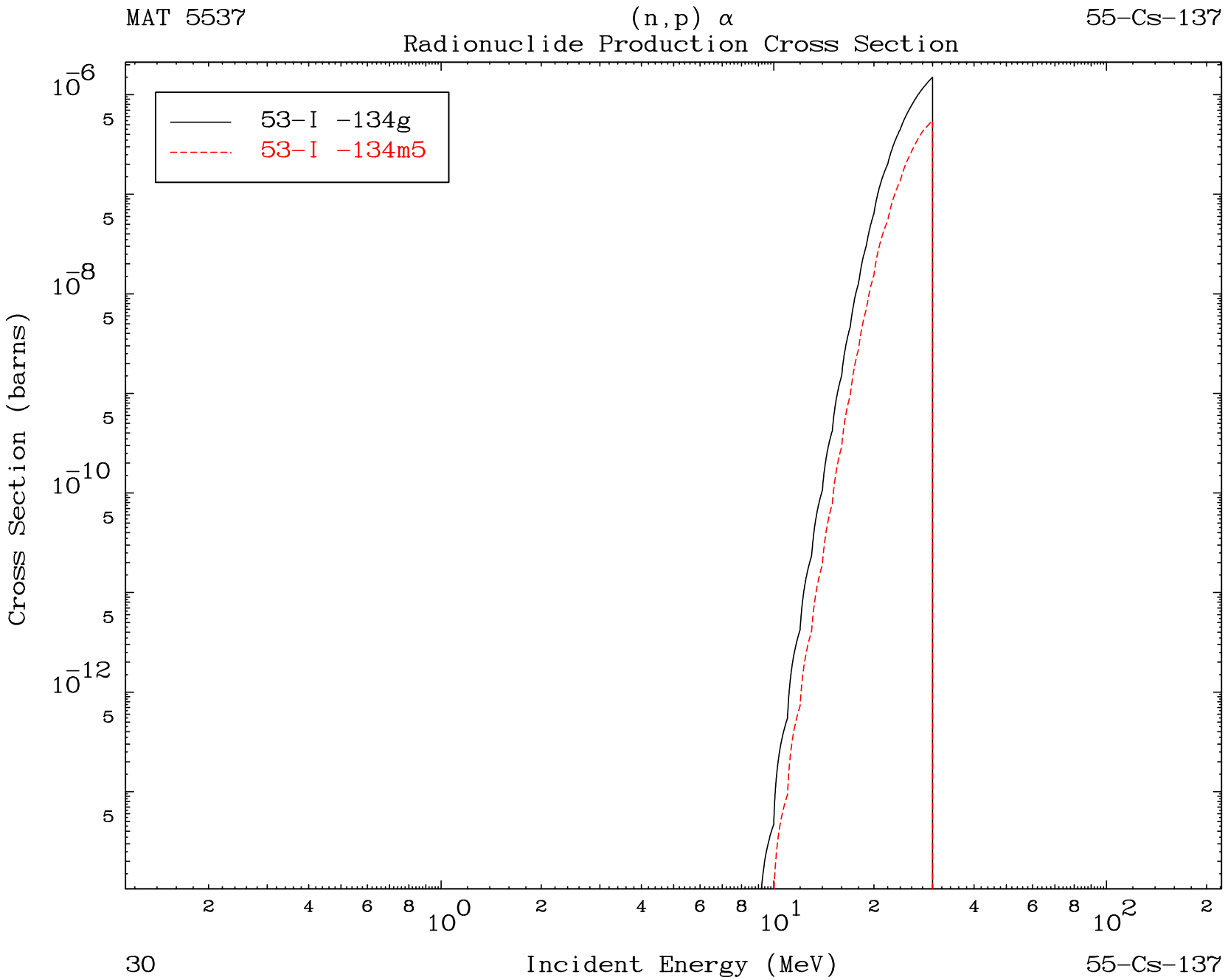

MAT 5537
(n,n') p α
55-Cs-137
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
25
55-Cs-137

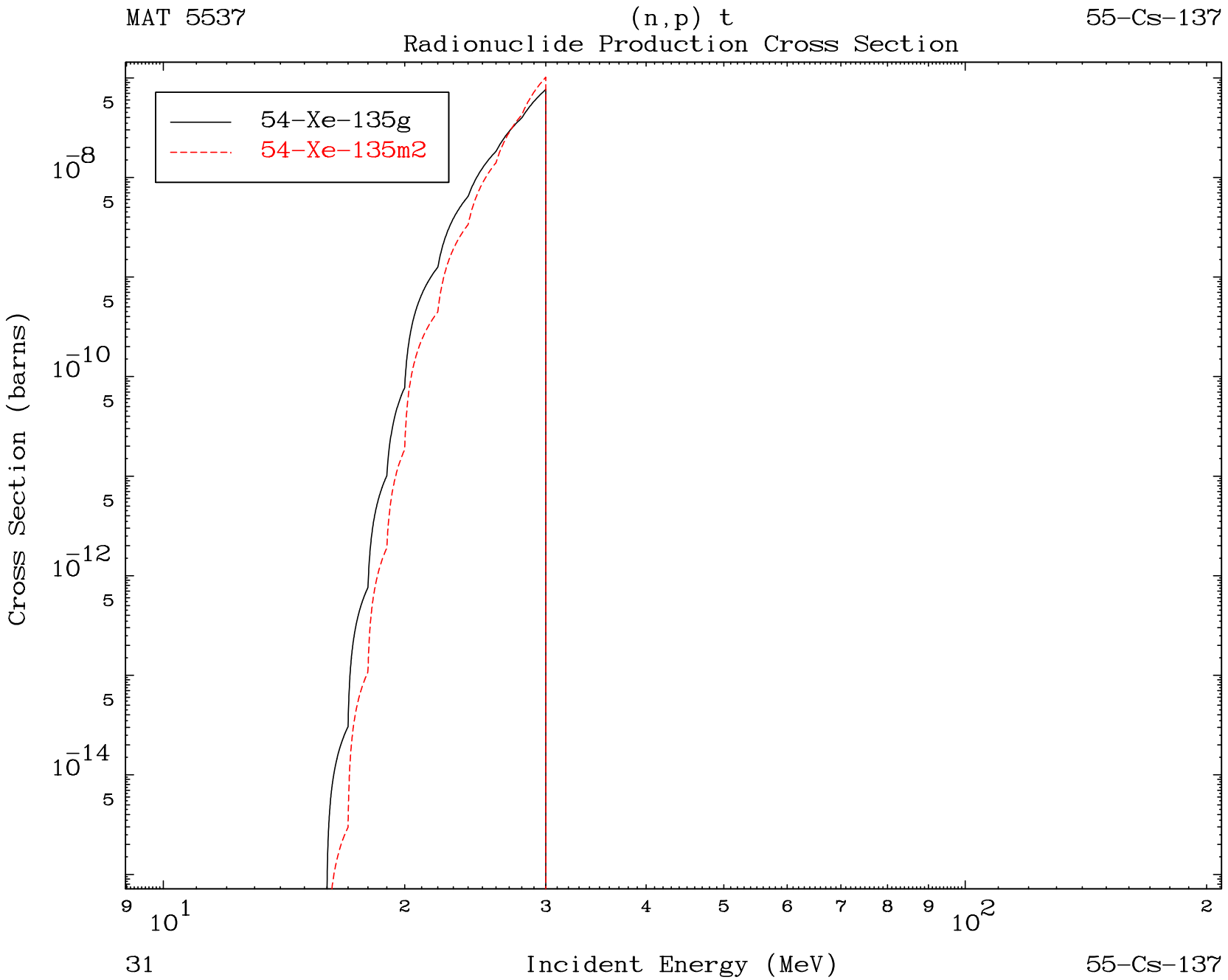

MAT 5537
(n,p)
55-Cs-137
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
26
55-Cs-137

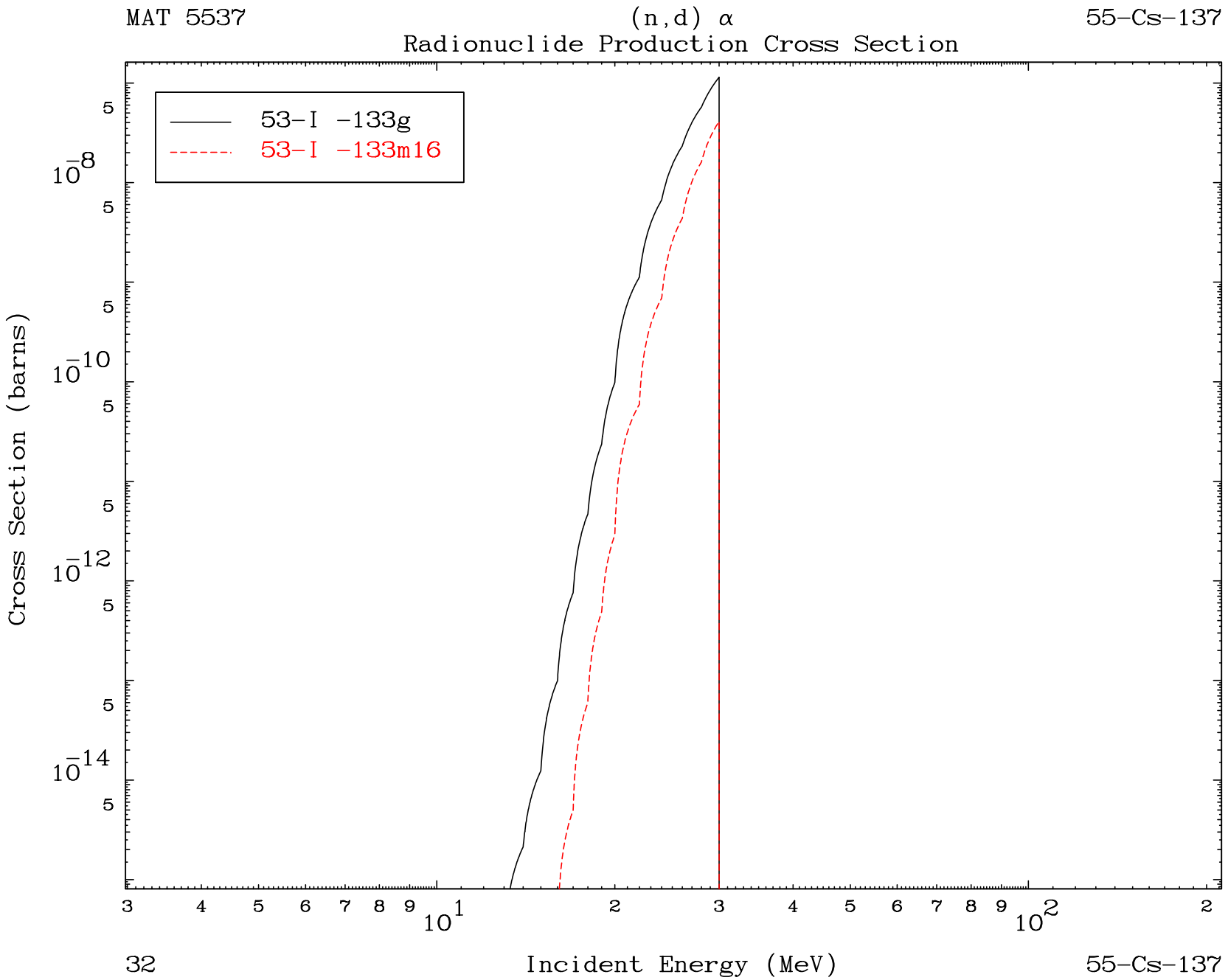

MAT 5537
(n,t)
55-Cs-137
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
27
55-Cs-137


MAT 5537
(n,α)
55-Cs-137
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
28
55-Cs-137


MAT 5537
(n,2α)
55-Cs-137
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
29
55-Cs-137


MAT 5537
(n,p) α
55-Cs-137
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
30
55-Cs-137


MAT 5537
(n,p) t
55-Cs-137
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
31
Incident Energy (MeV)
55-Cs-137


MAT 5537
(n,d) α
55-Cs-137
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
32
Incident Energy (MeV)
55-Cs-137