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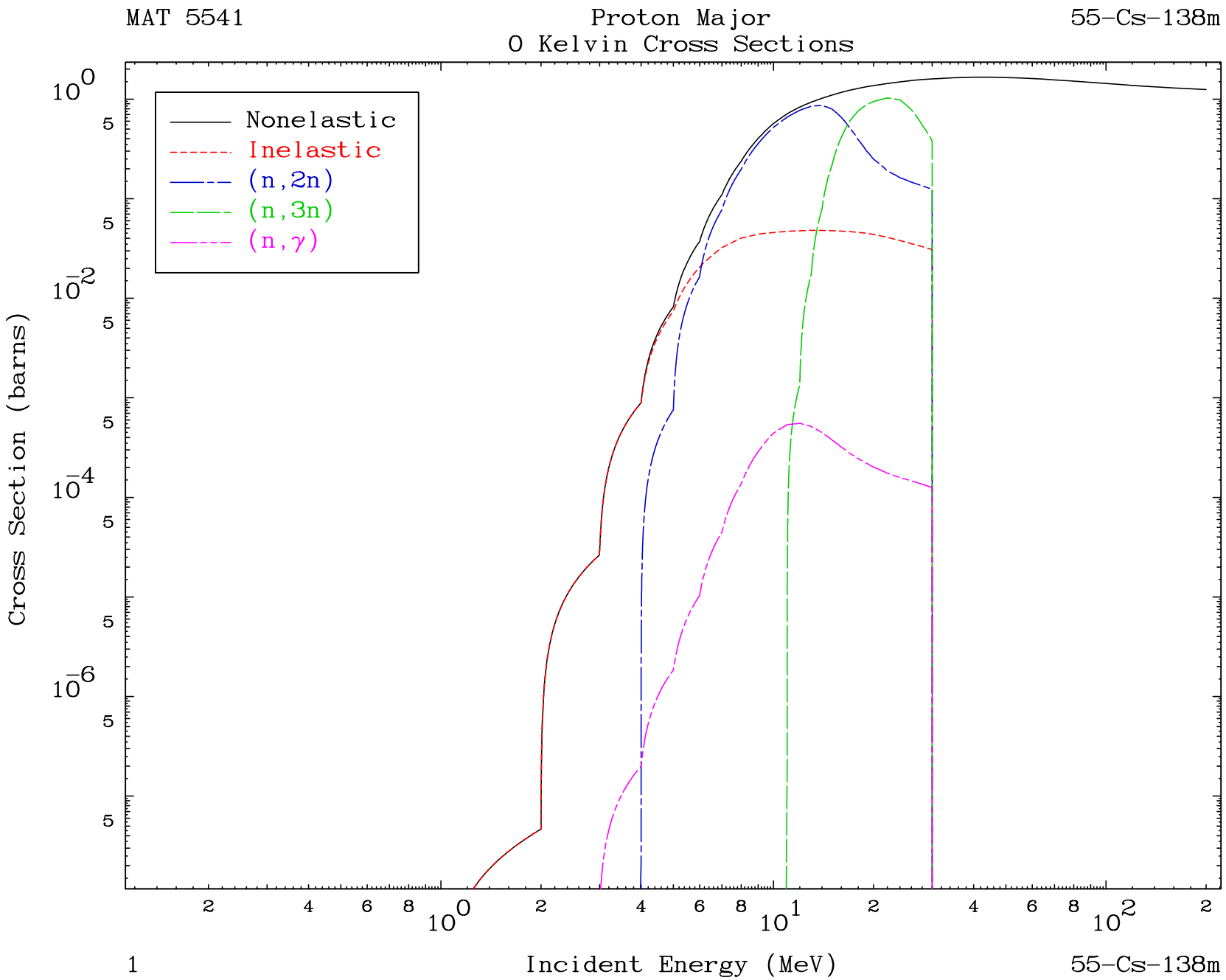
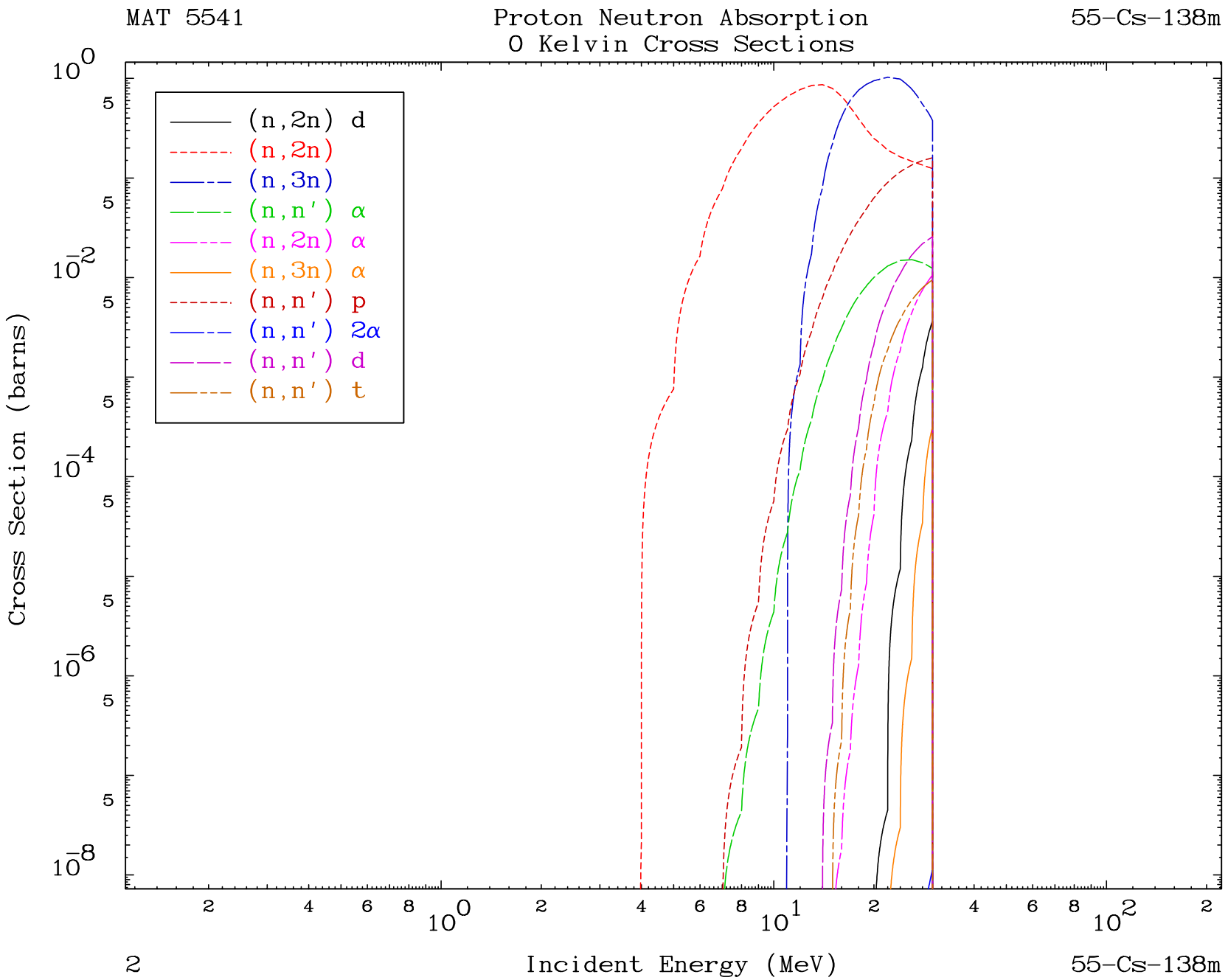
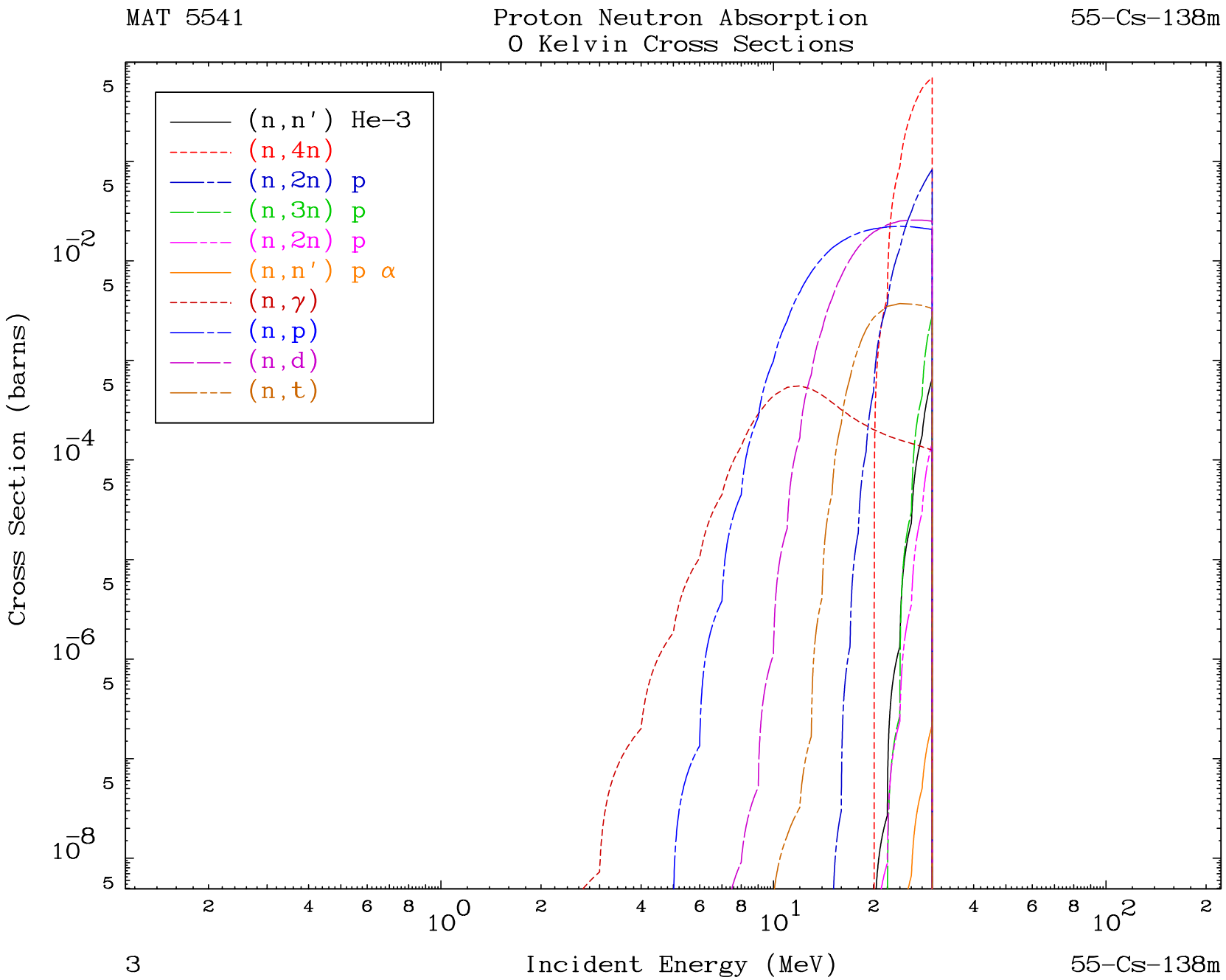
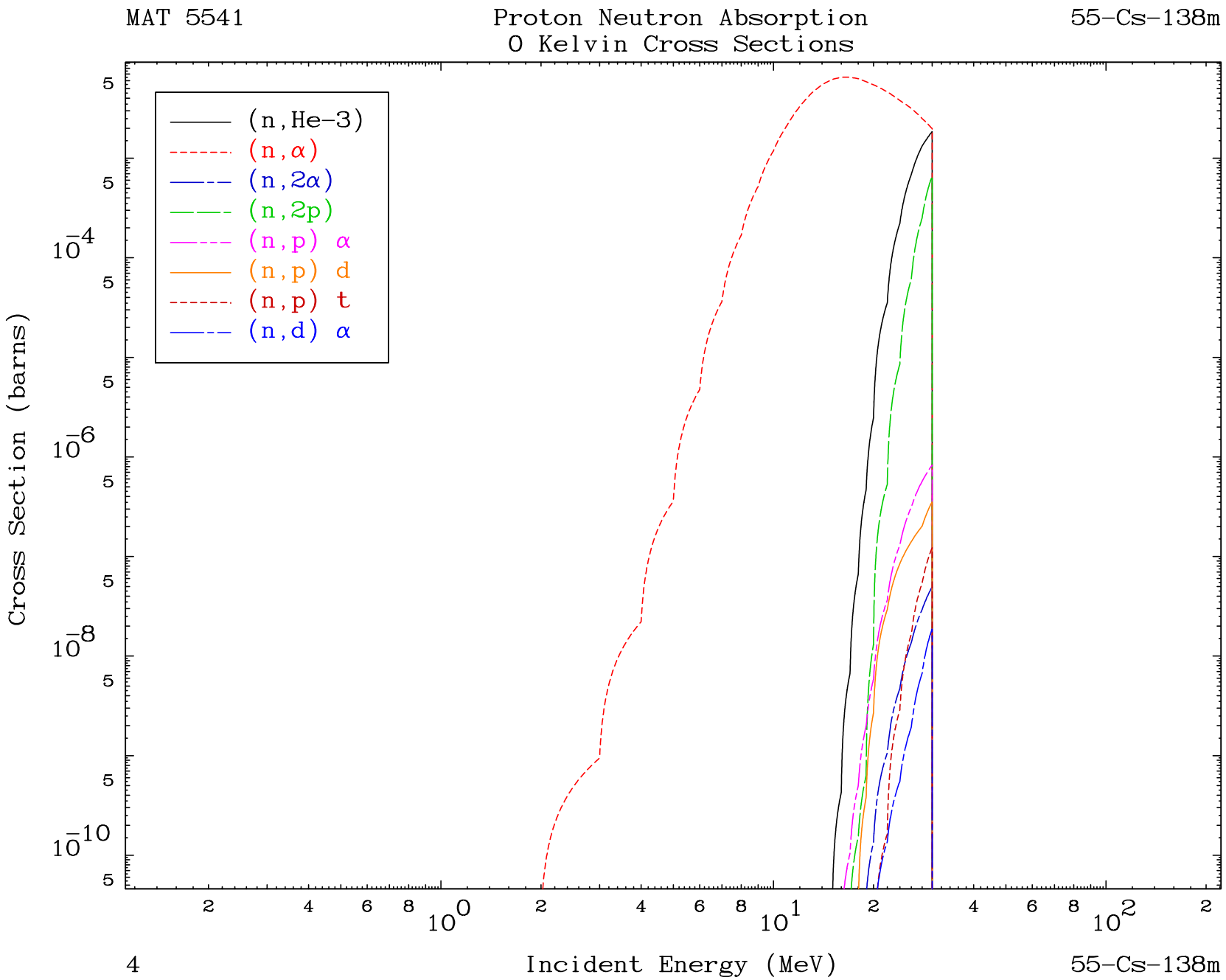
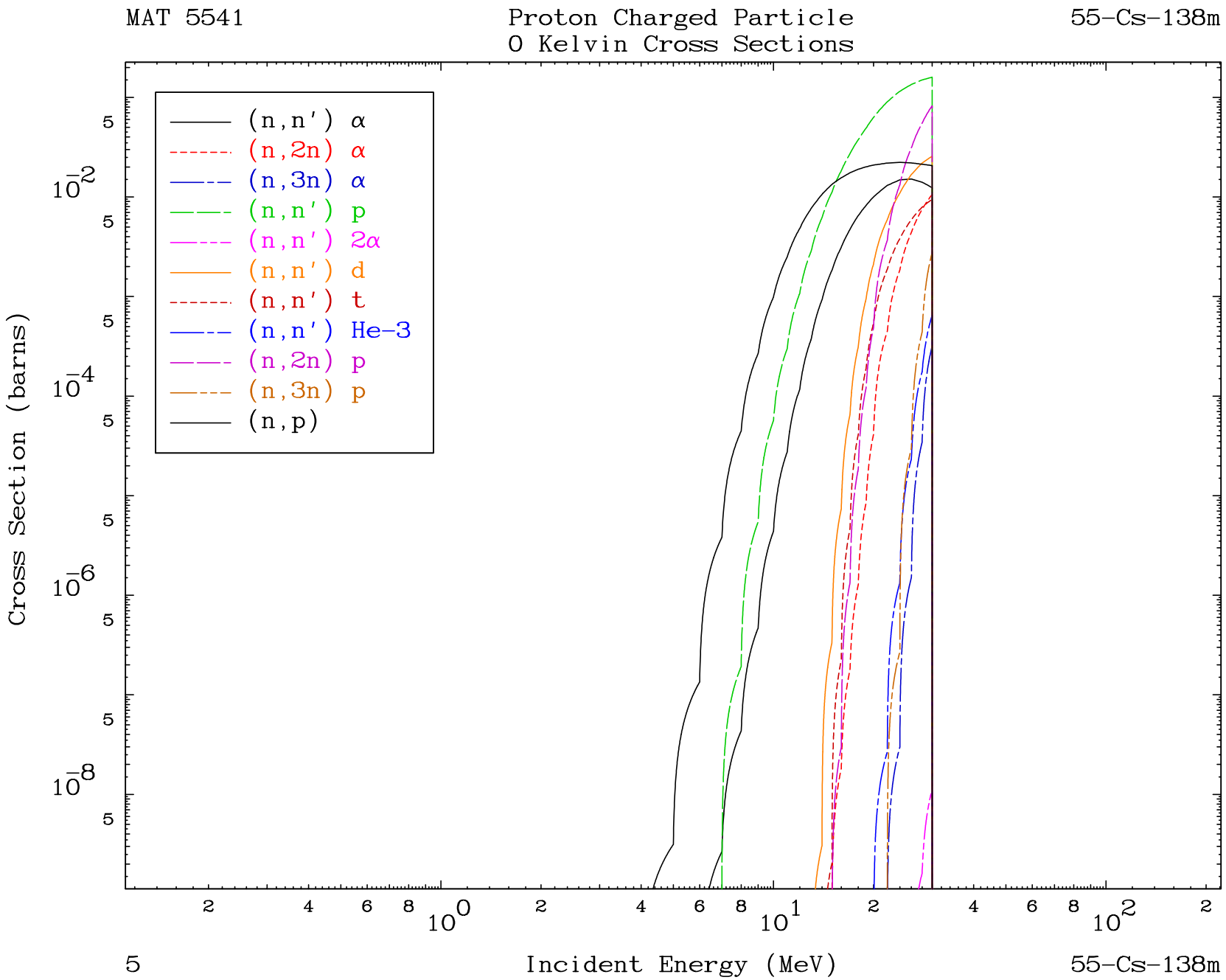
Press Mouse Button to Start

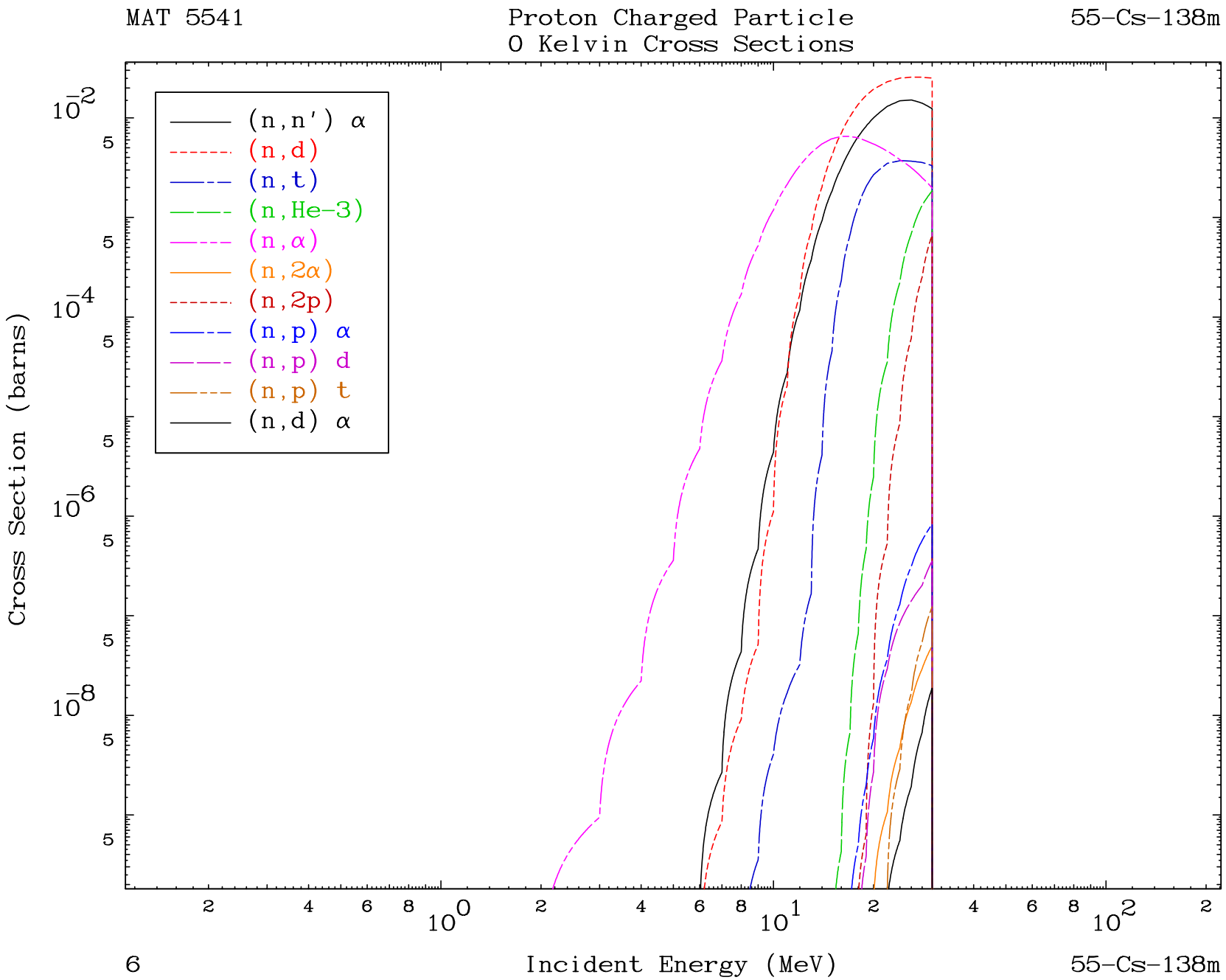

MAT 5541
Proton Major
55-Cs-138m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-138m
1

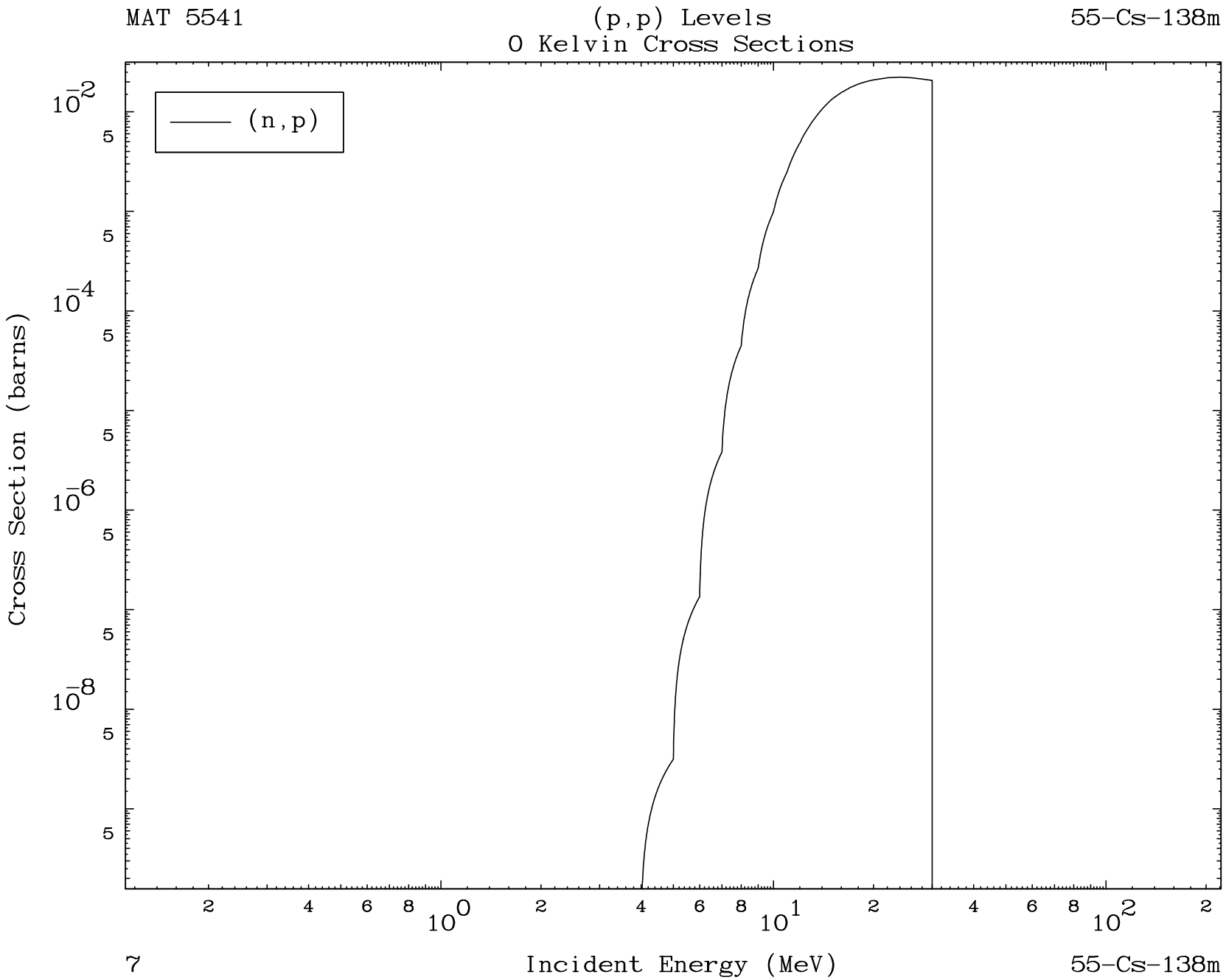

MAT 5541
Proton Neutron Absorption
0 Kelvin Cross Sections
55-Cs-138m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
55-Cs-138m
2

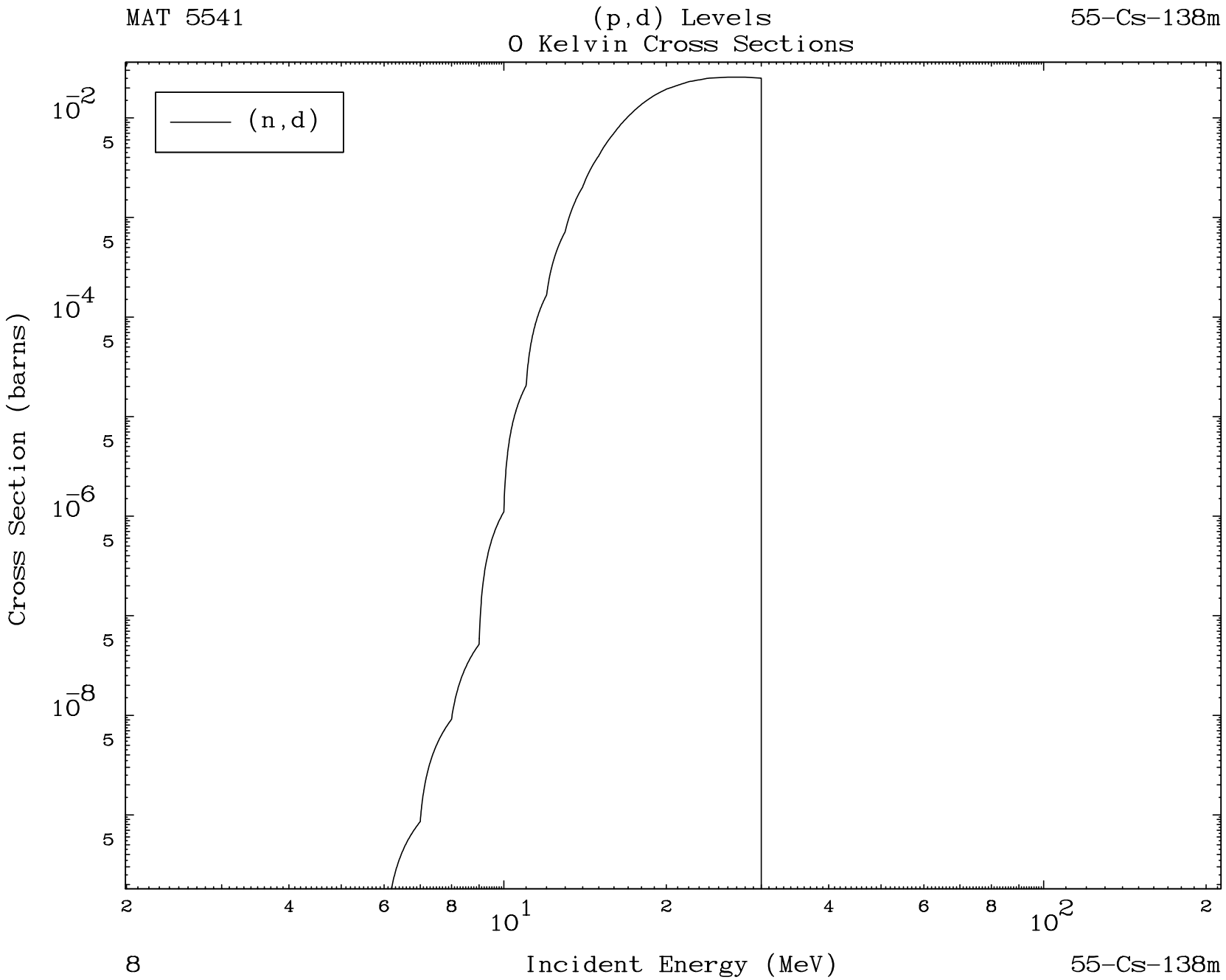

MAT 5541
Proton Neutron Absorption
0 Kelvin Cross Sections
55-Cs-138m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
55-Cs-138m

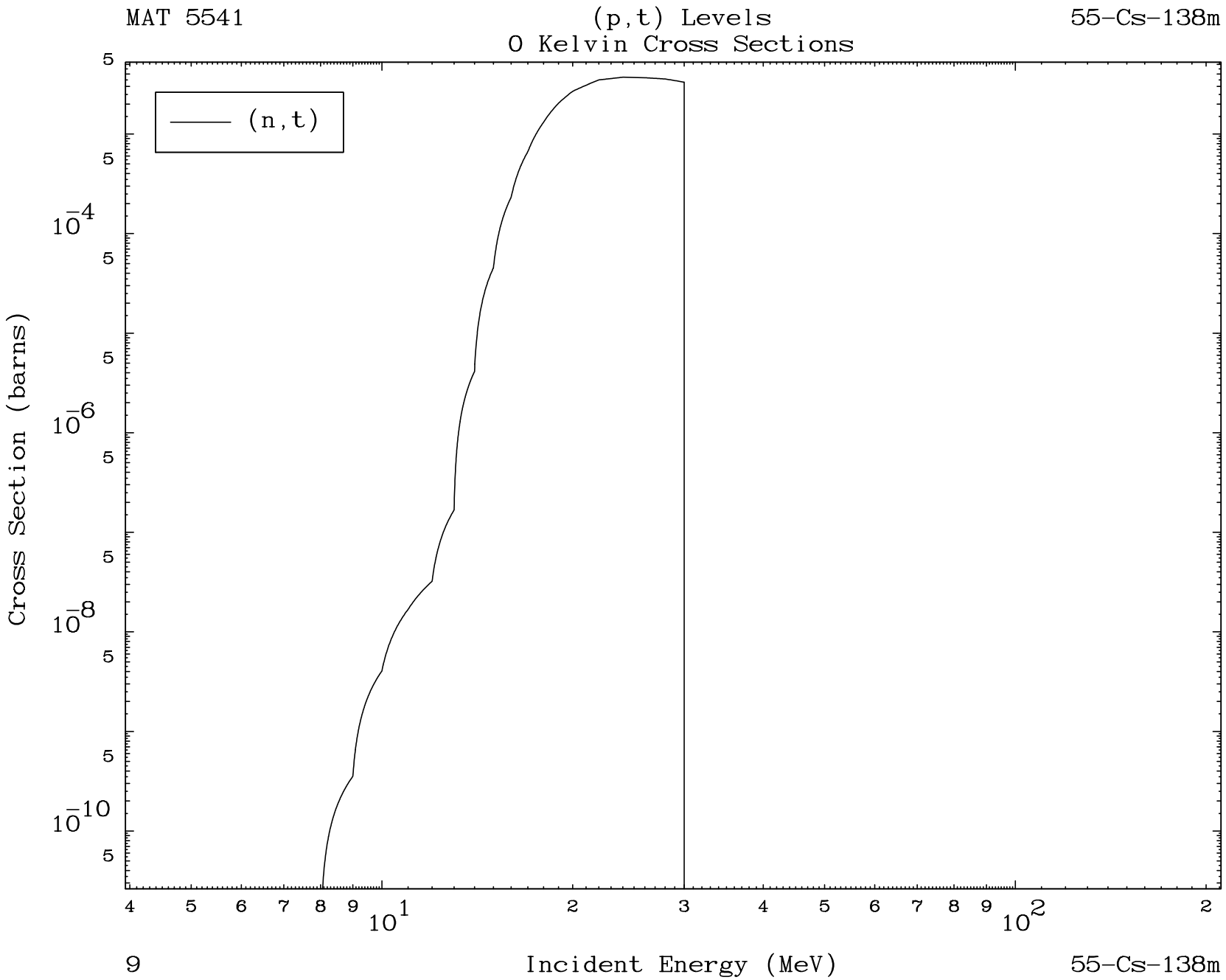

MAT 5541
Proton Neutron Absorption
0 Kelvin Cross Sections
55-Cs-138m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-138m

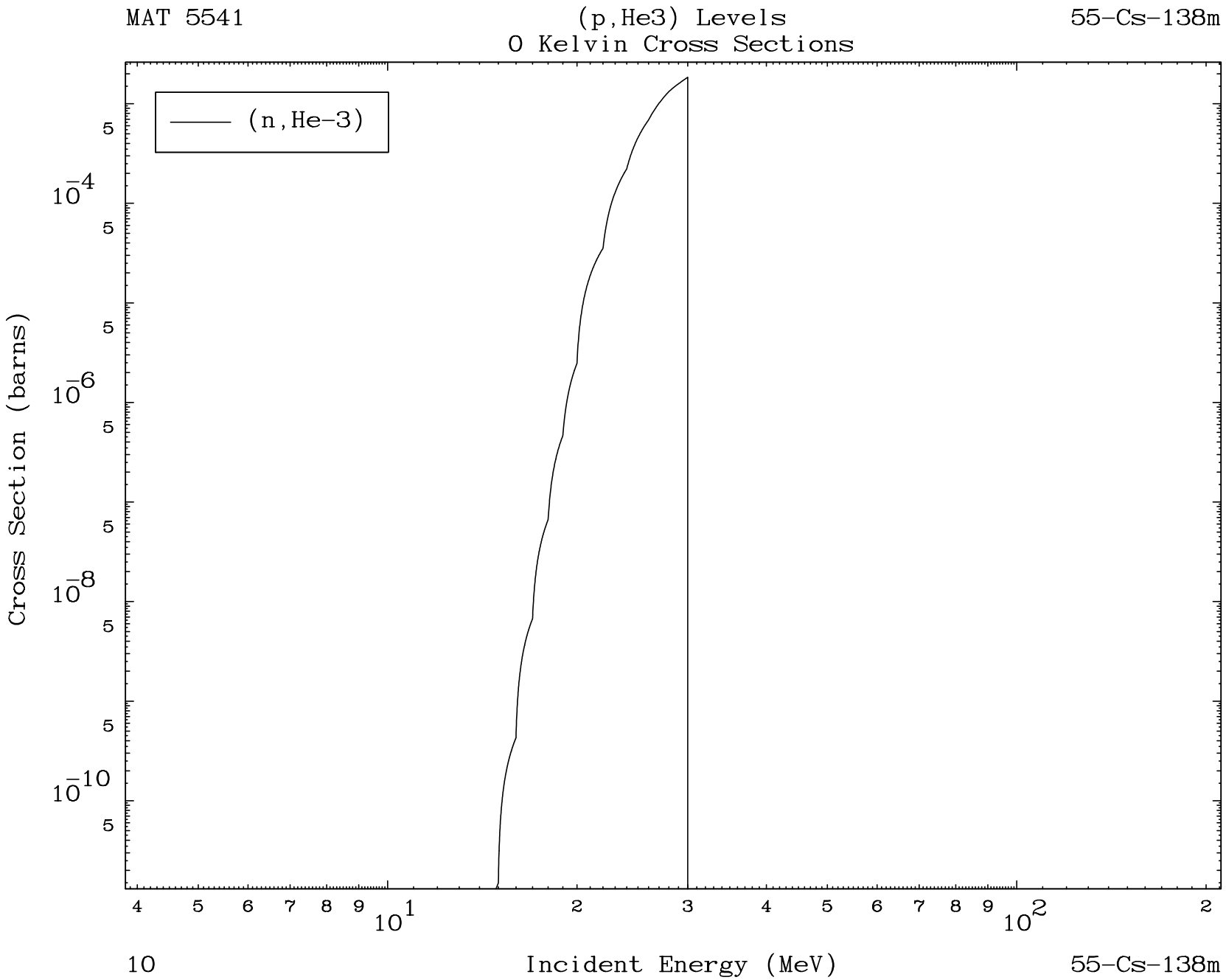

MAT 5541
Proton Charged Particle
0 Kelvin Cross Sections
55-Cs-138m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-138m

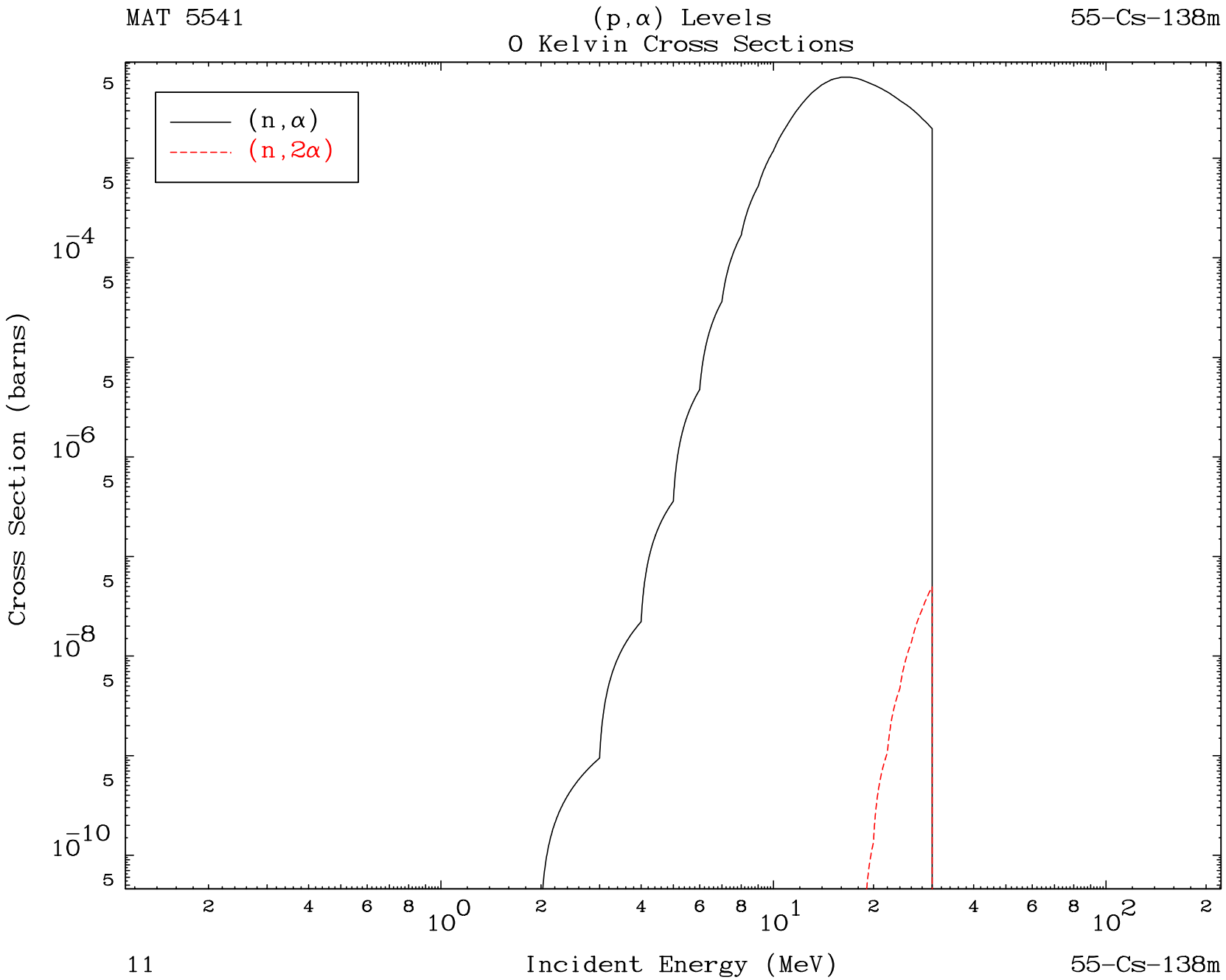

MAT 5541
Proton Charged Particle
0 Kelvin Cross Sections
55-Cs-138m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
55-Cs-138m

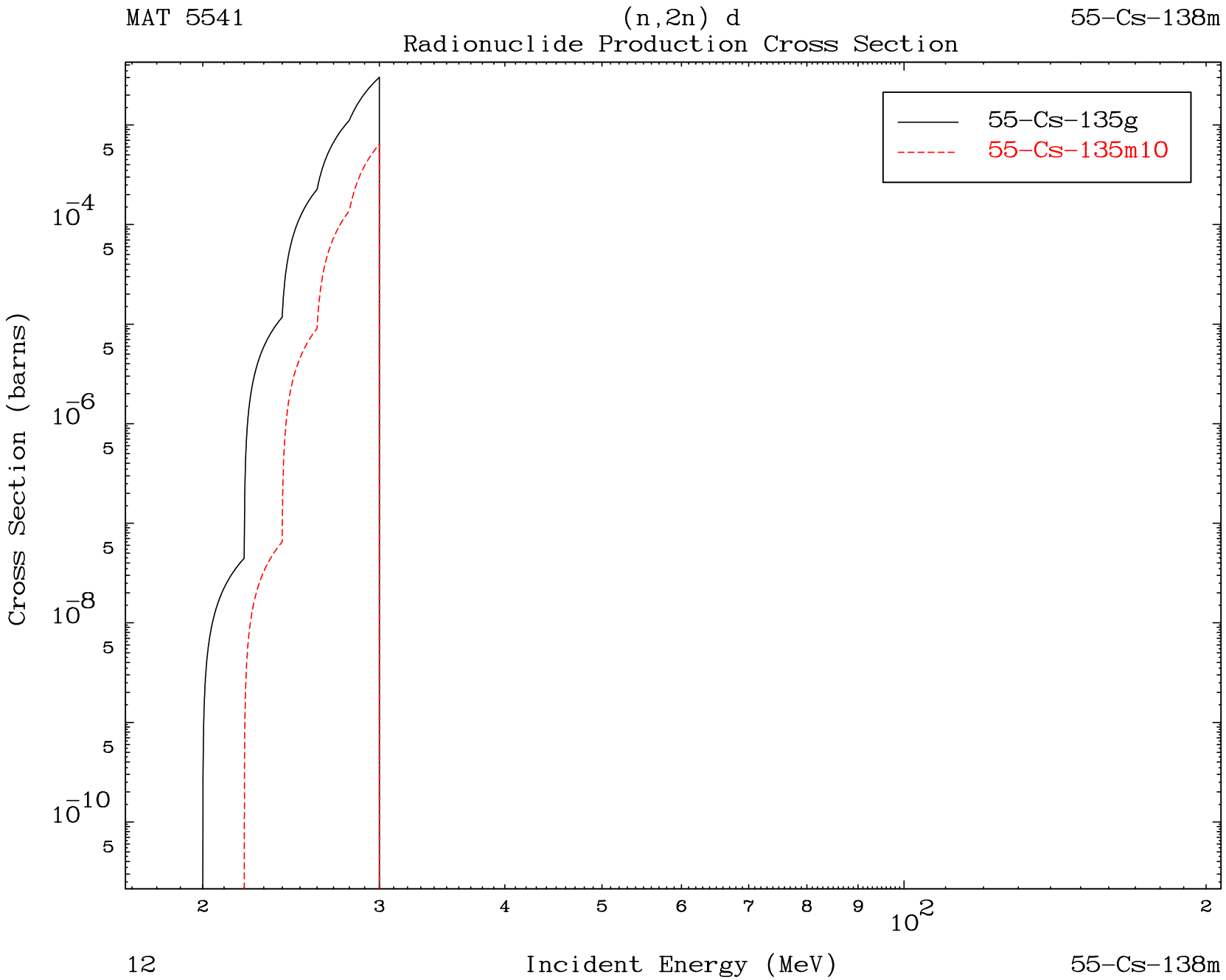

MAT 5541
(p,p) Levels
55-Cs-138m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
55-Cs-138m

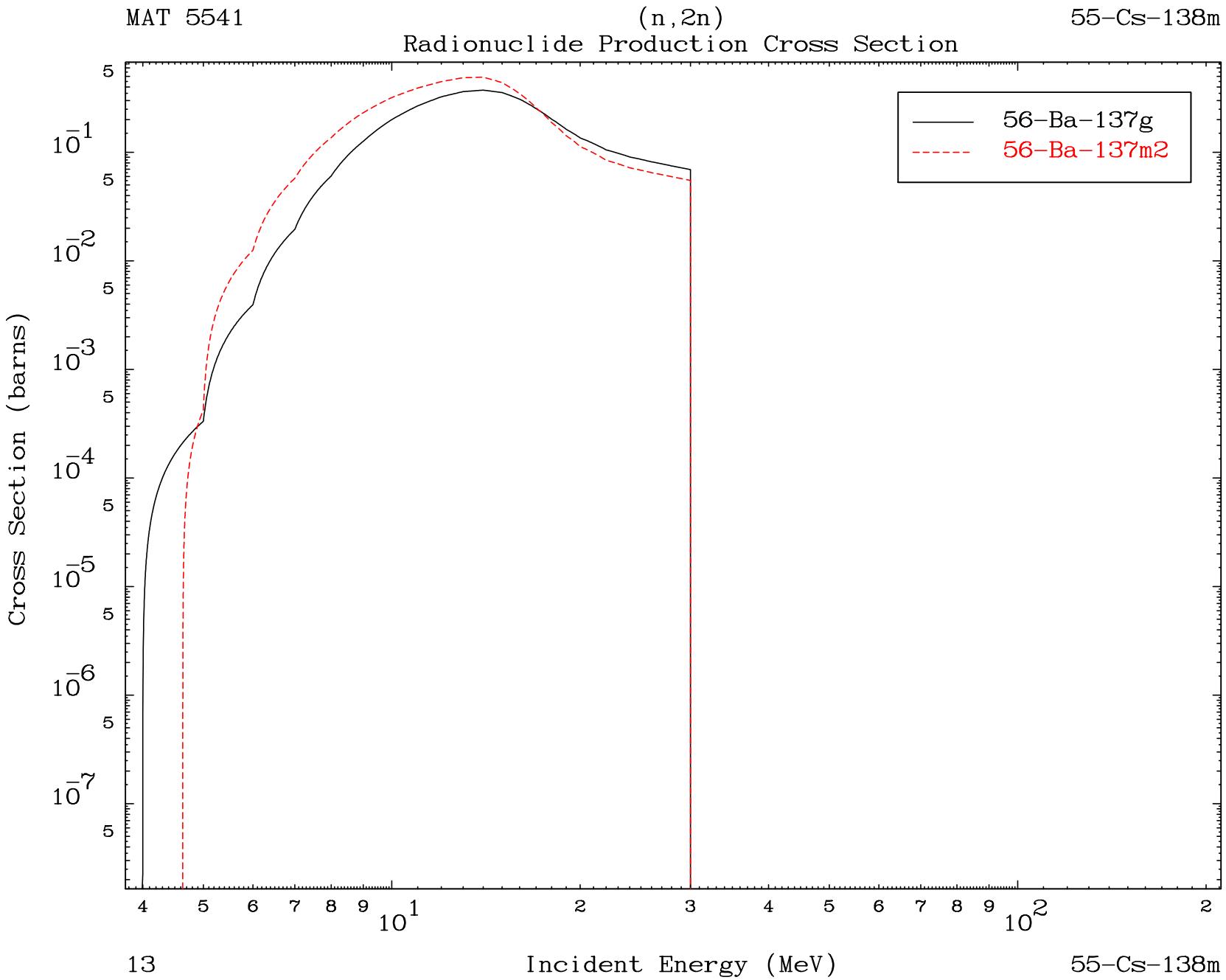

MAT 5541
(p,d) Levels
55-Cs-138m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
55-Cs-138m

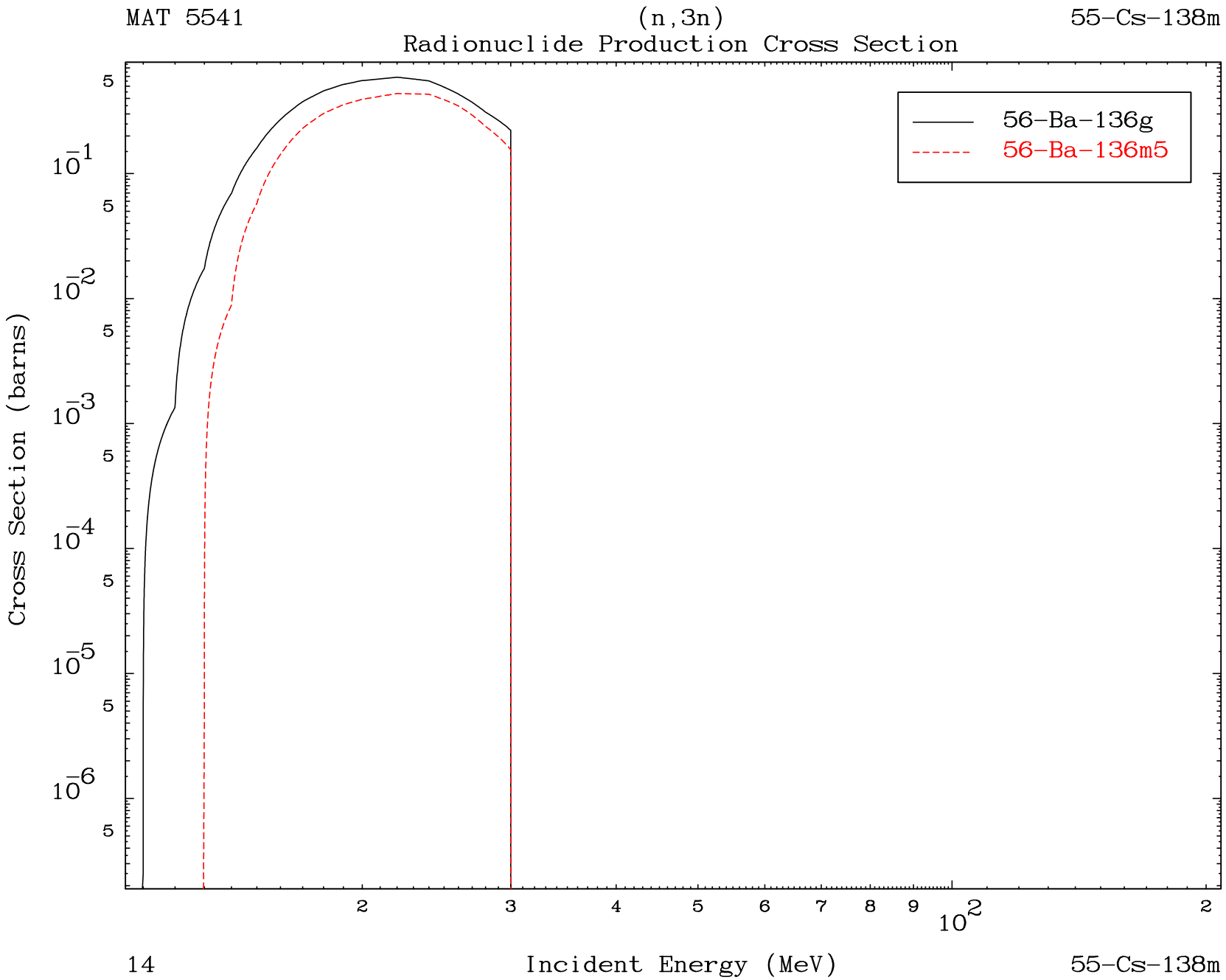

MAT 5541
(p,t) Levels
55-Cs-138m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-138m
9

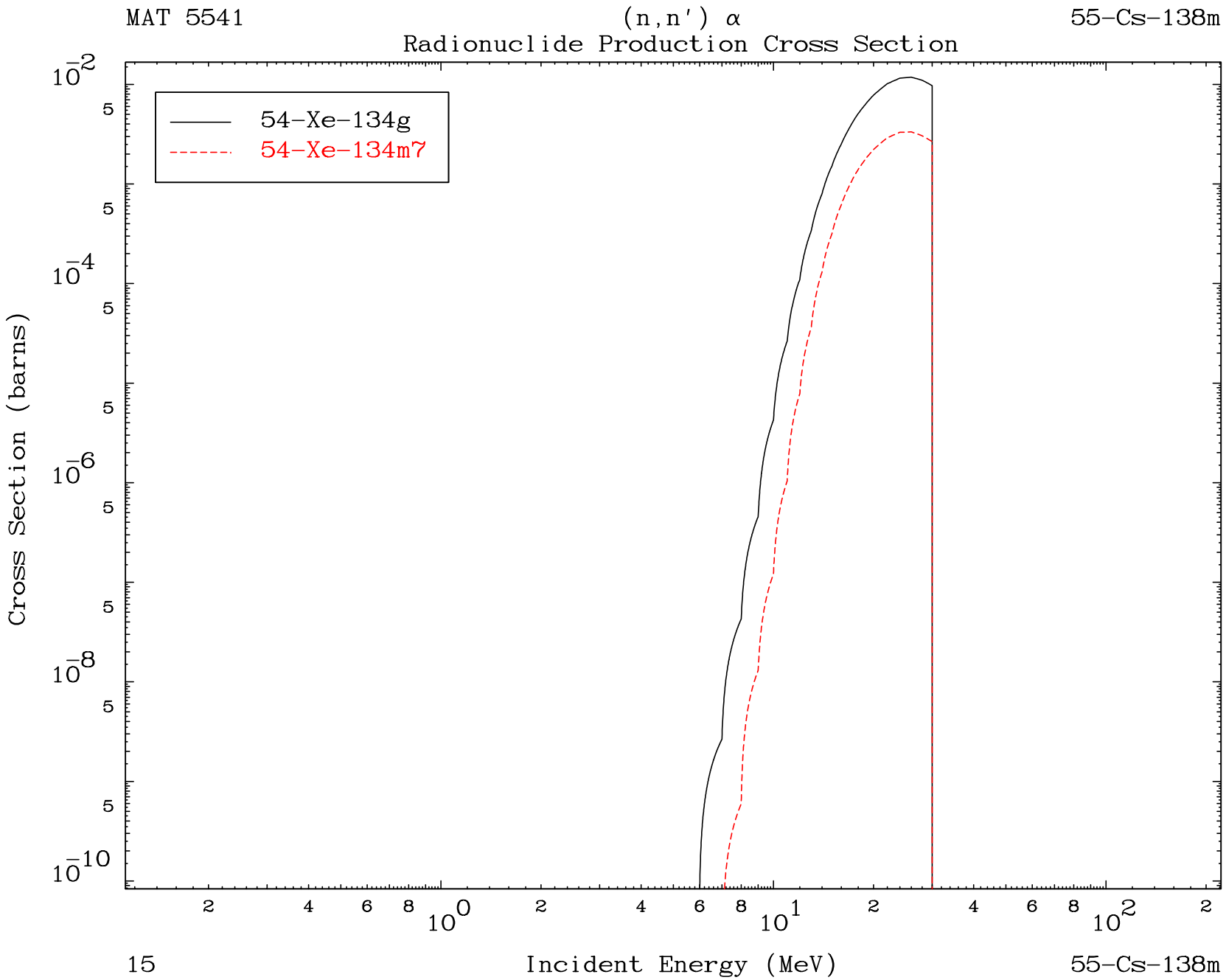

MAT 5541
(p,He3) Levels
55-Cs-138m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
55-Cs-138m

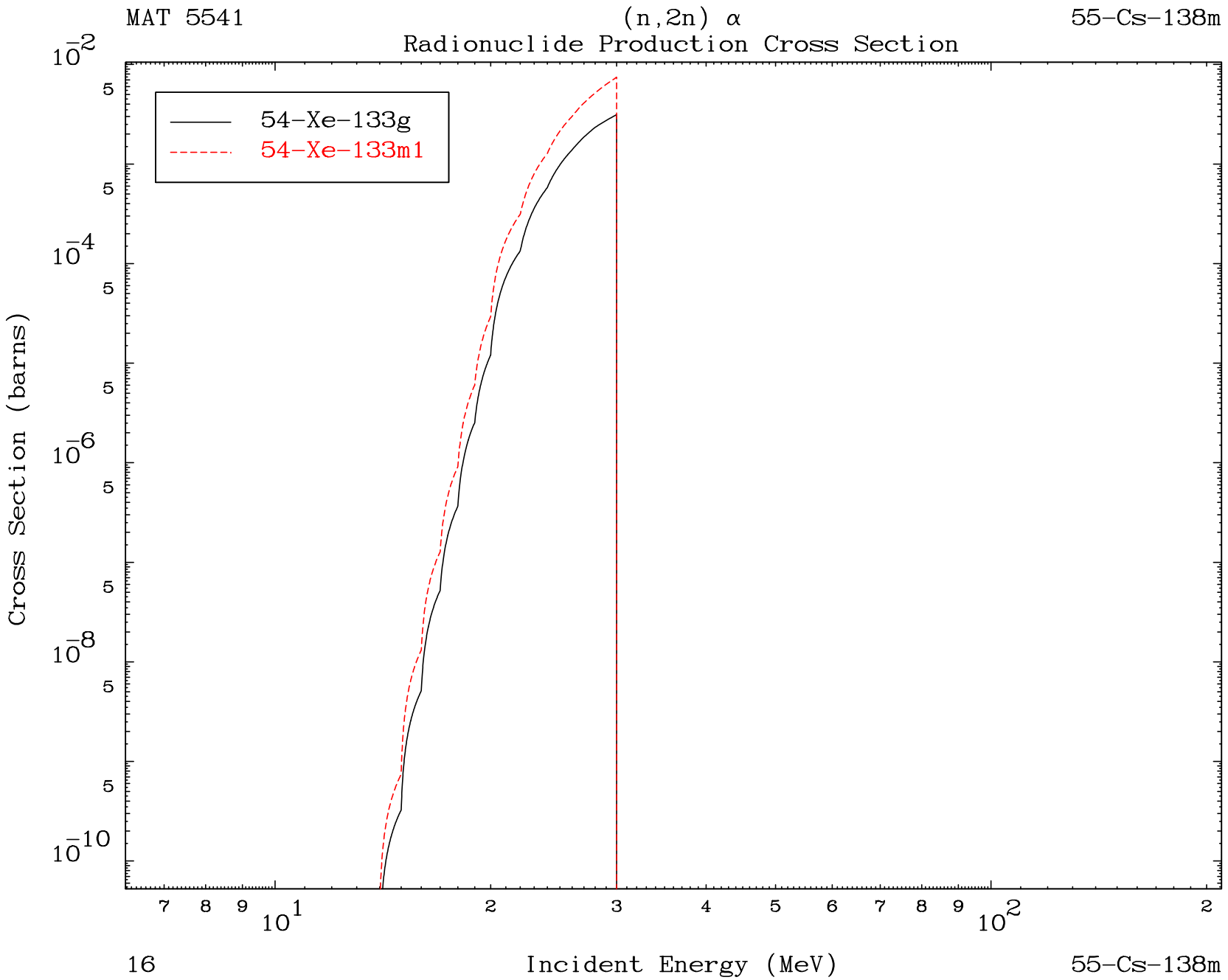

MAT 5541
(p,α) Levels
55-Cs-138m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-138m

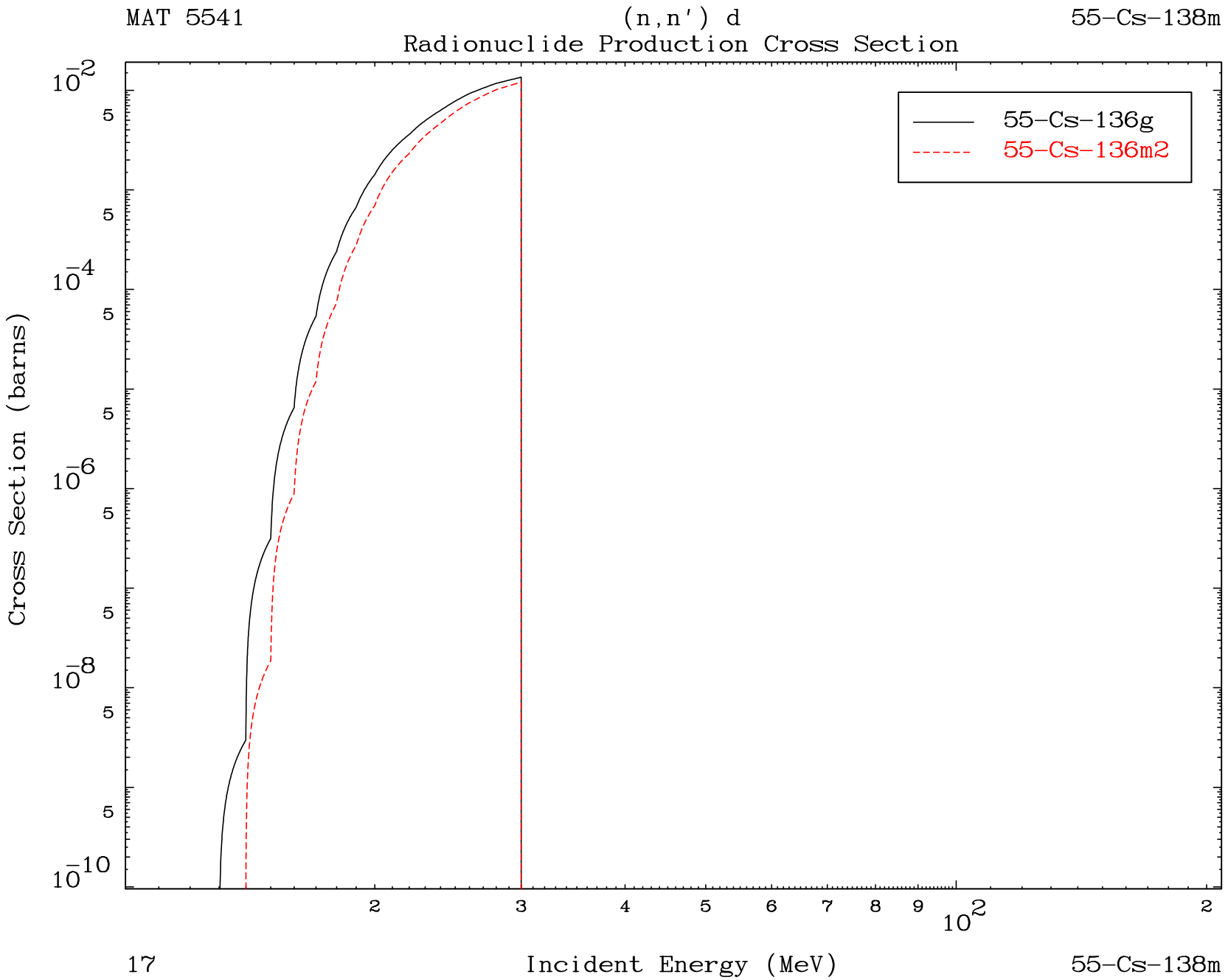

MAT 5541
(n,2n) d
55-Cs-138m
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
55-Cs-138m

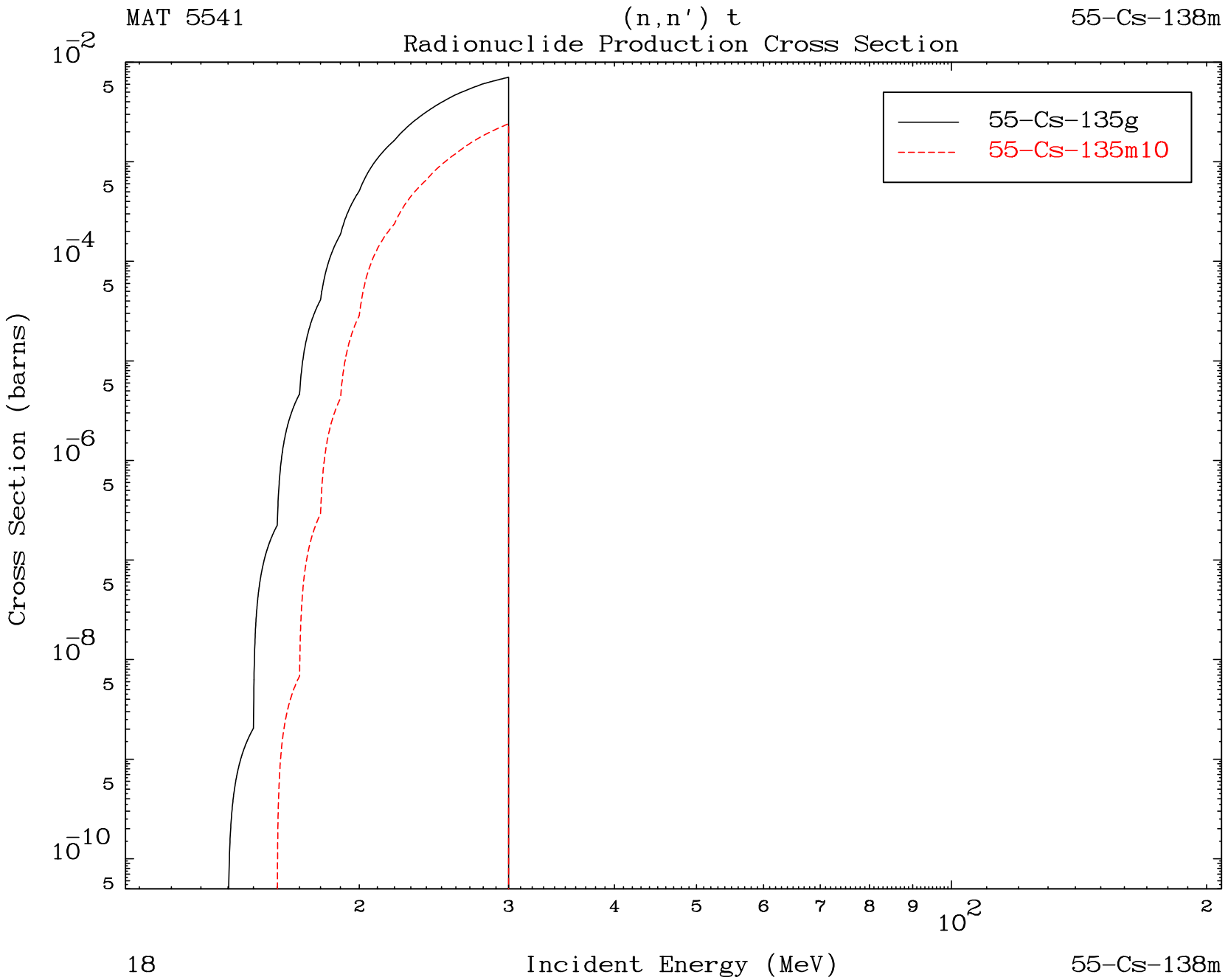

MAT 5541
(n,2n)
55-Cs-138m
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
13
55-Cs-138m

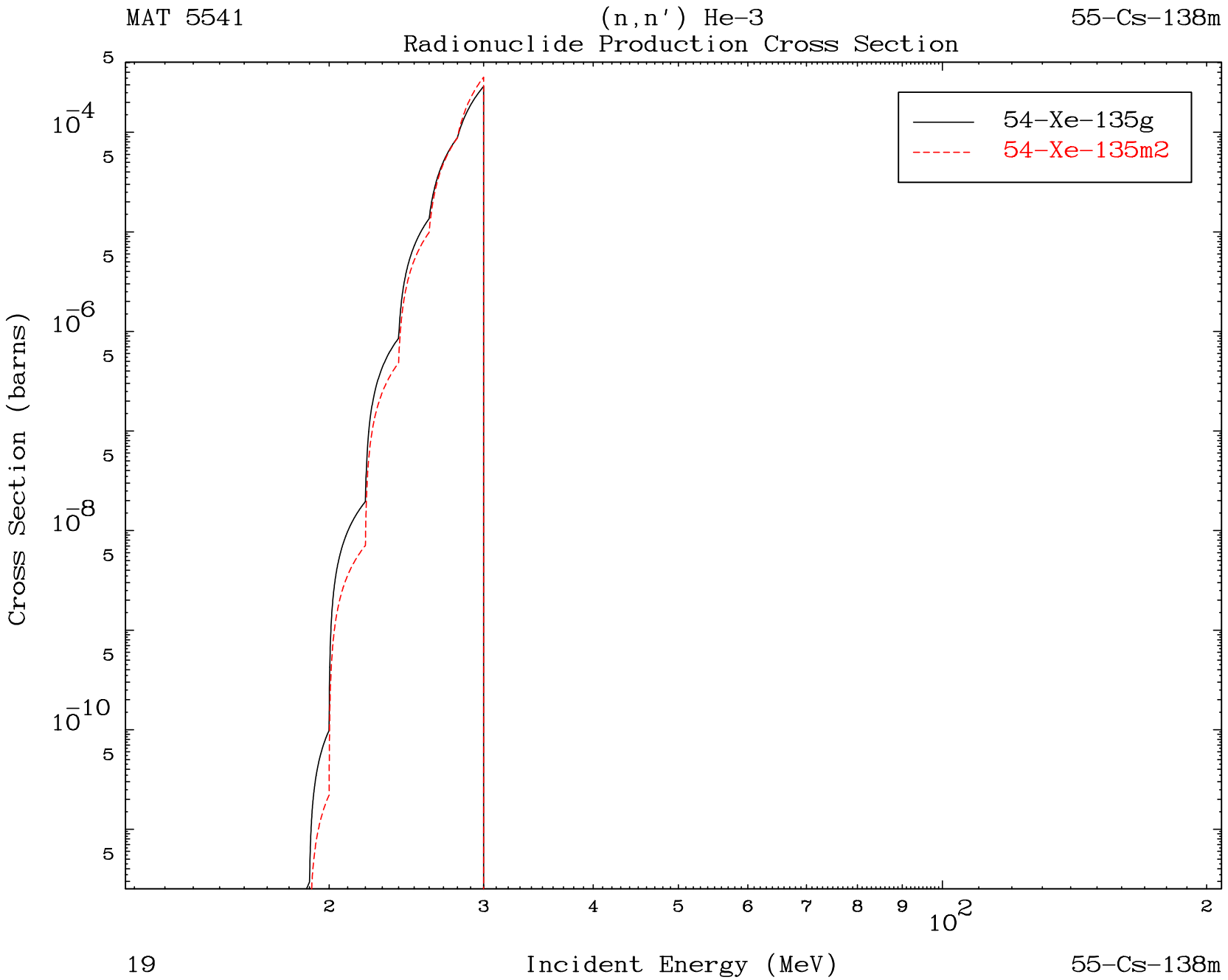

MAT 5541
(n,3n)
55-Cs-138m
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-138m

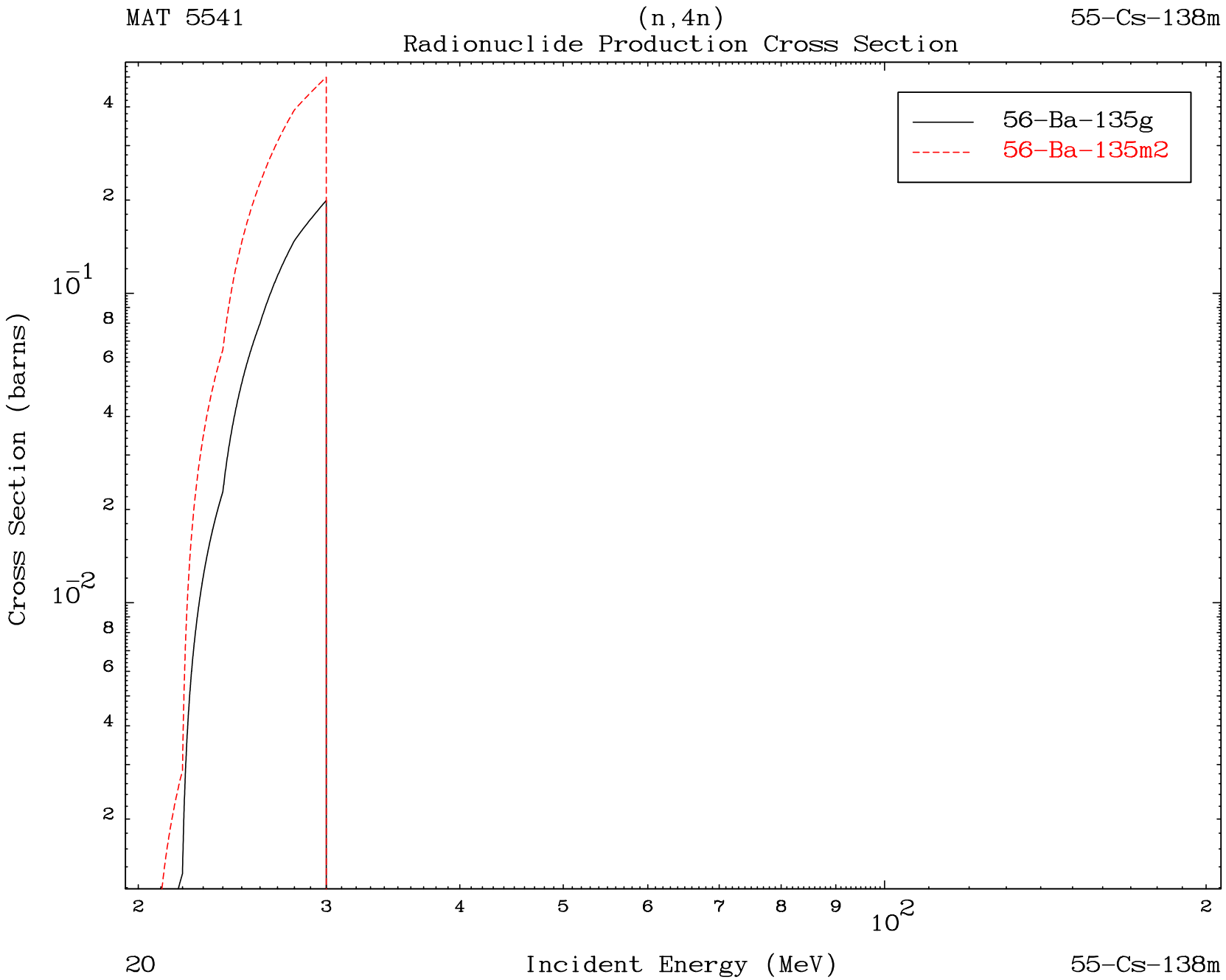

MAT 5541
(n,n') α
55-Cs-138m
Radionuclide Production Cross Section
54-Xe-134g
54-Xe-134m7
Cross Section (barns)
Incident Energy (MeV)
15
55-Cs-138m

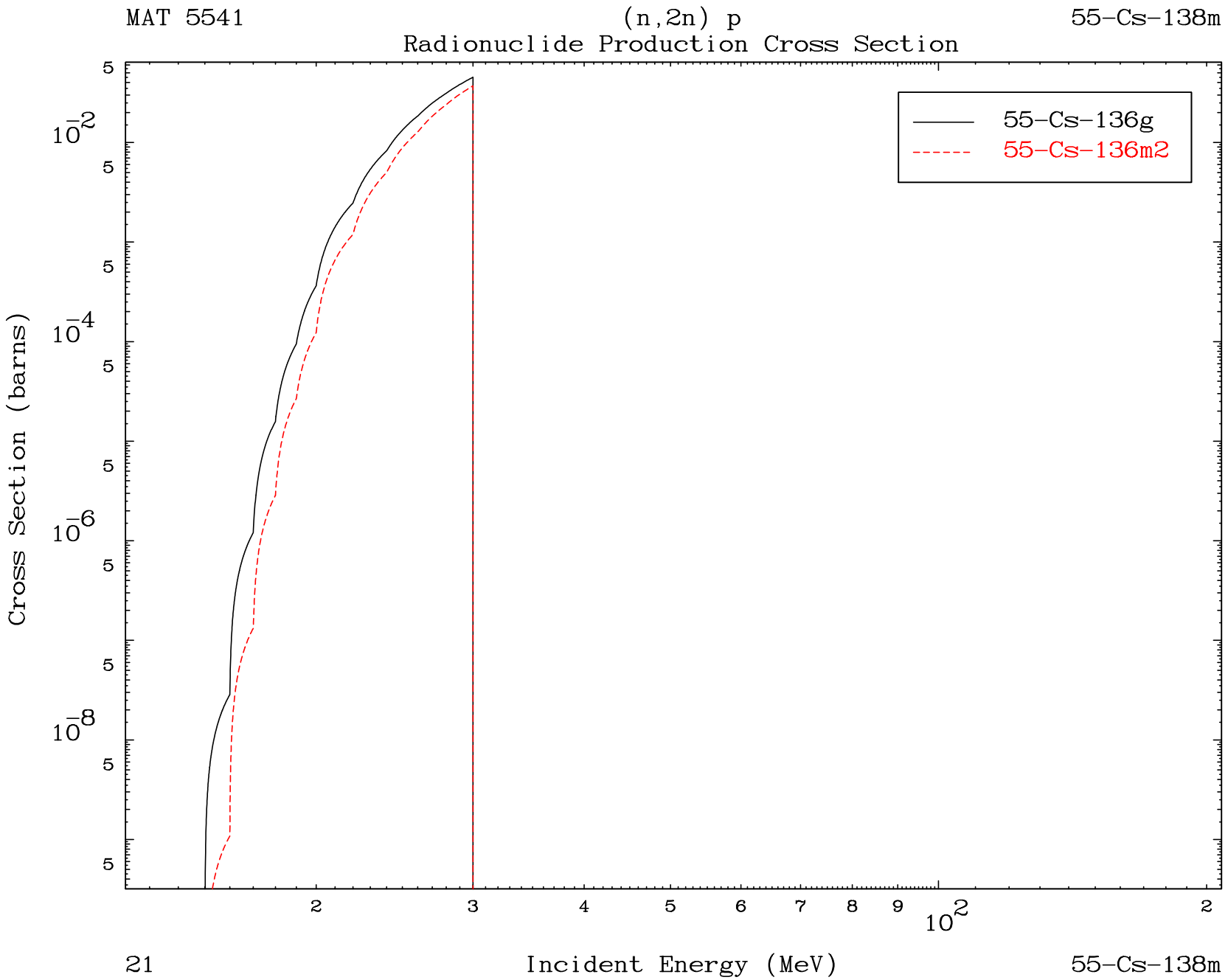

MAT 5541
(n,2n) α
55-Cs-138m
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
16
55-Cs-138m

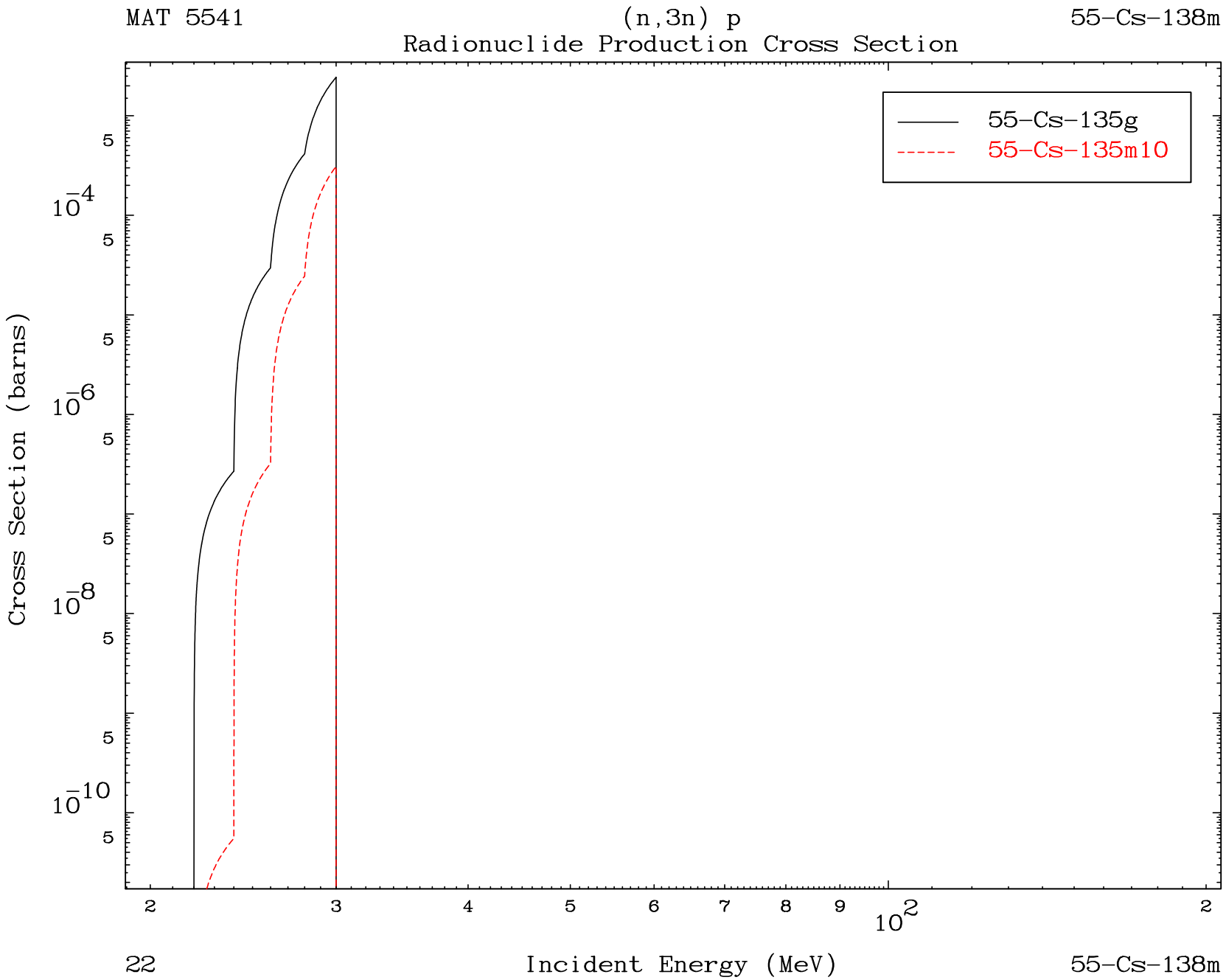

MAT 5541
(n,n') d
55-Cs-138m
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
17
55-Cs-138m

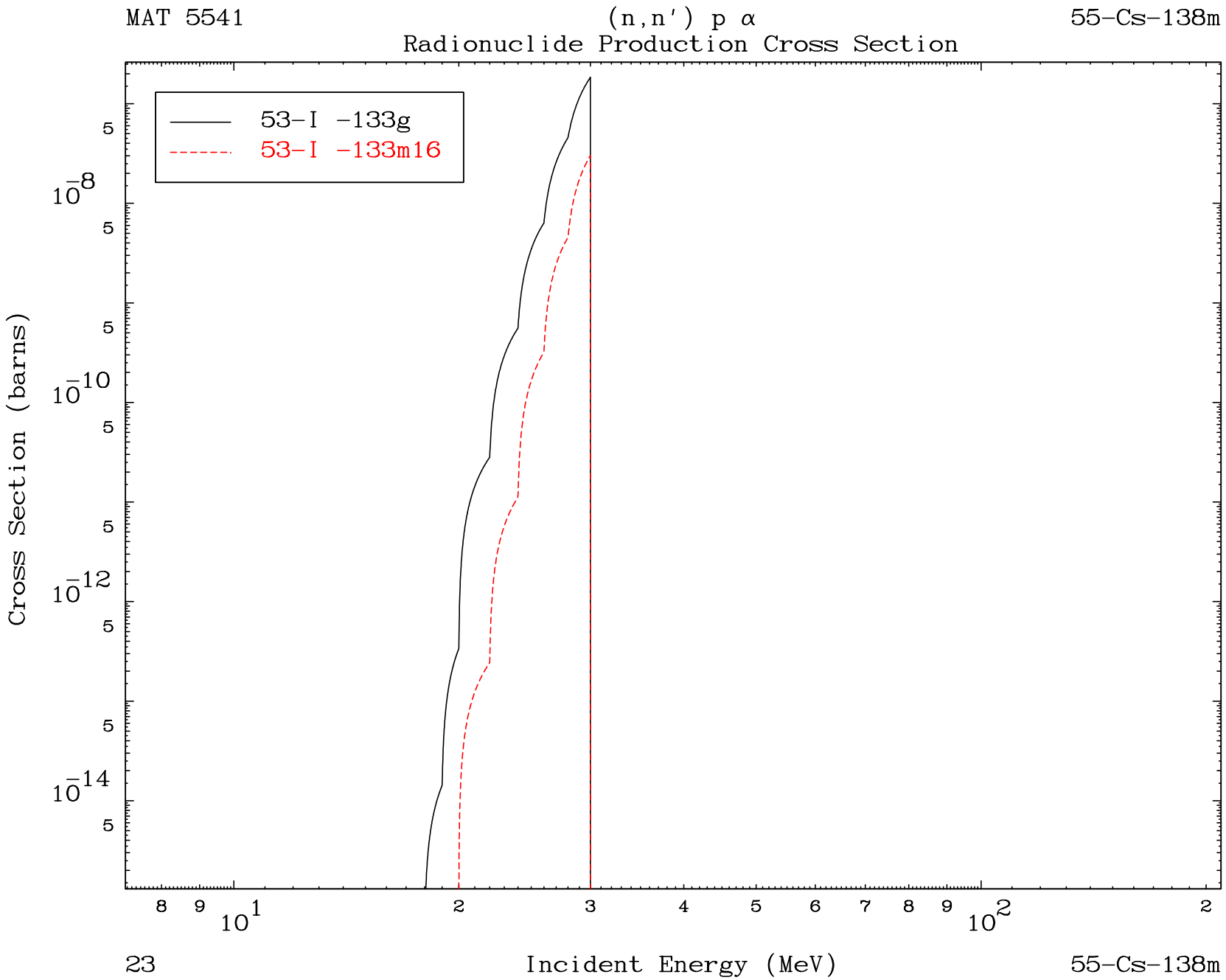

MAT 5541
(n,n') t
55-Cs-138m
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
Incident Energy (MeV)
18
55-Cs-138m


MAT 5541
(n,n') He-3
55-Cs-138m
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
19
55-Cs-138m


MAT 5541
(n,4n)
55-Cs-138m
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
20
55-Cs-138m


MAT 5541
(n,2n) p
55-Cs-138m
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
55-Cs-138m


MAT 5541
(n,3n) p
55-Cs-138m
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
22
Incident Energy (MeV)
55-Cs-138m


MAT 5541
(n,n') p α
55-Cs-138m
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
10-8
10-10
10-12
10-14
5
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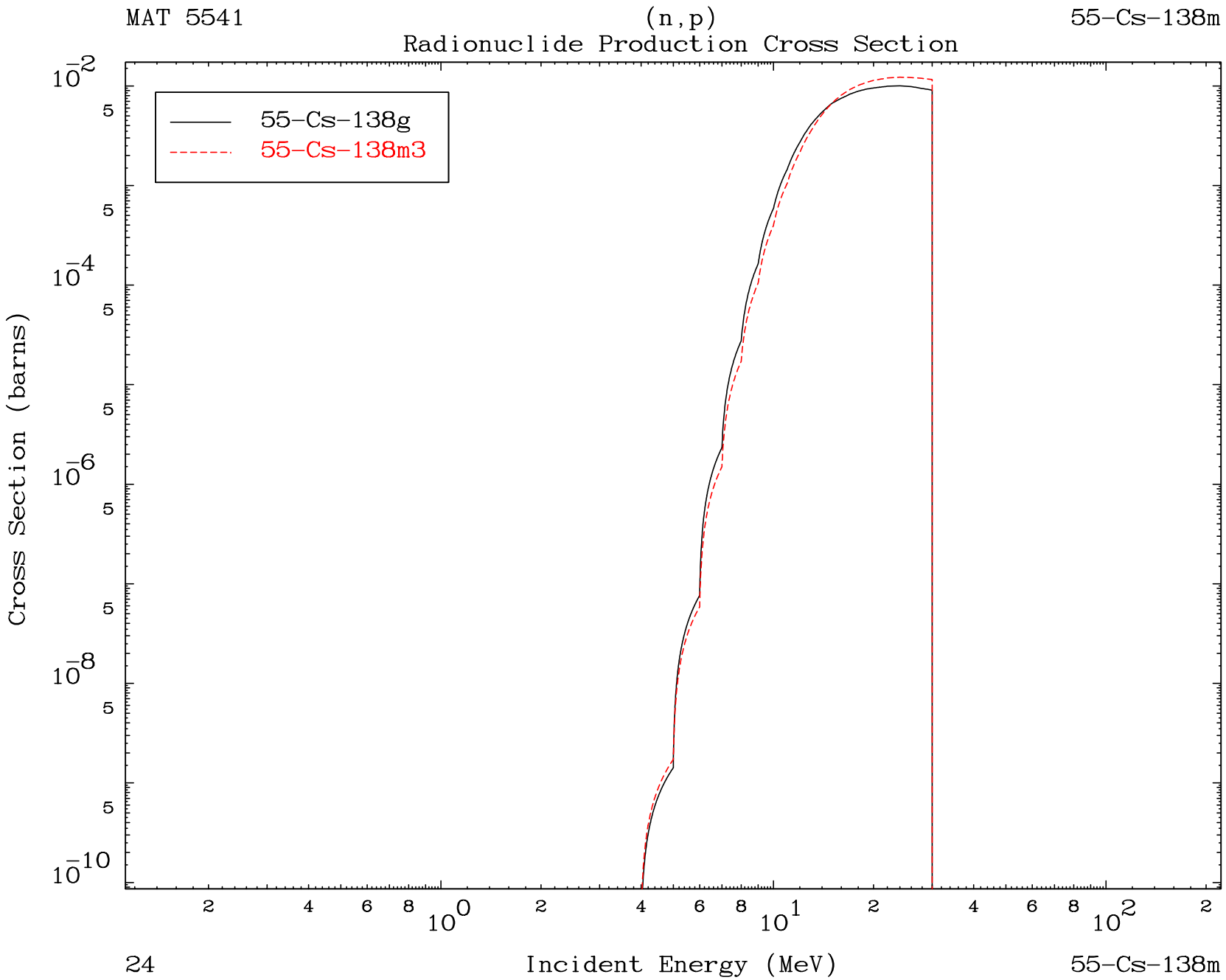
23
Incident Energy (MeV)
55-Cs-138m


MAT 5541
(n,p)
55-Cs-138m
Radionuclide Production Cross Section
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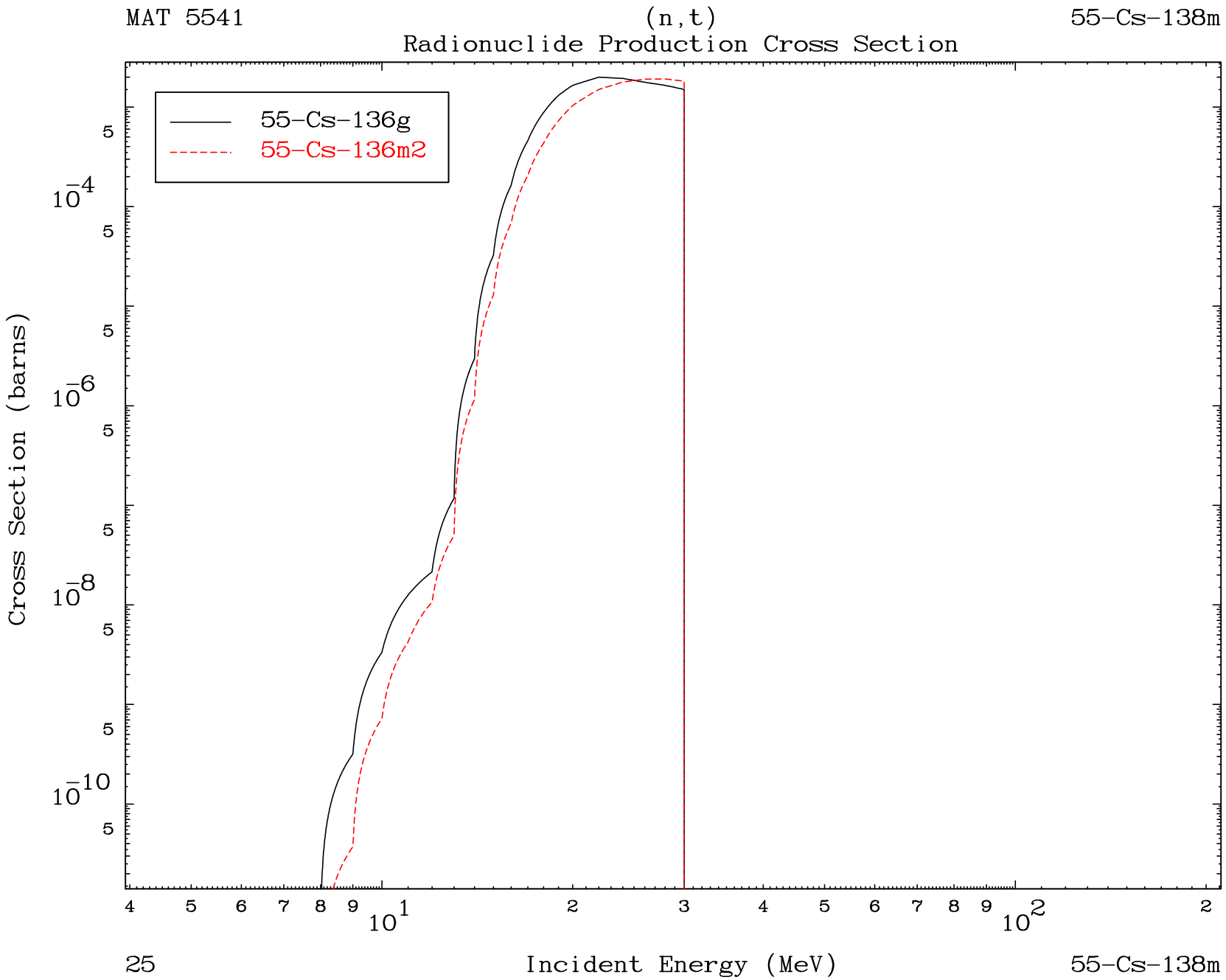
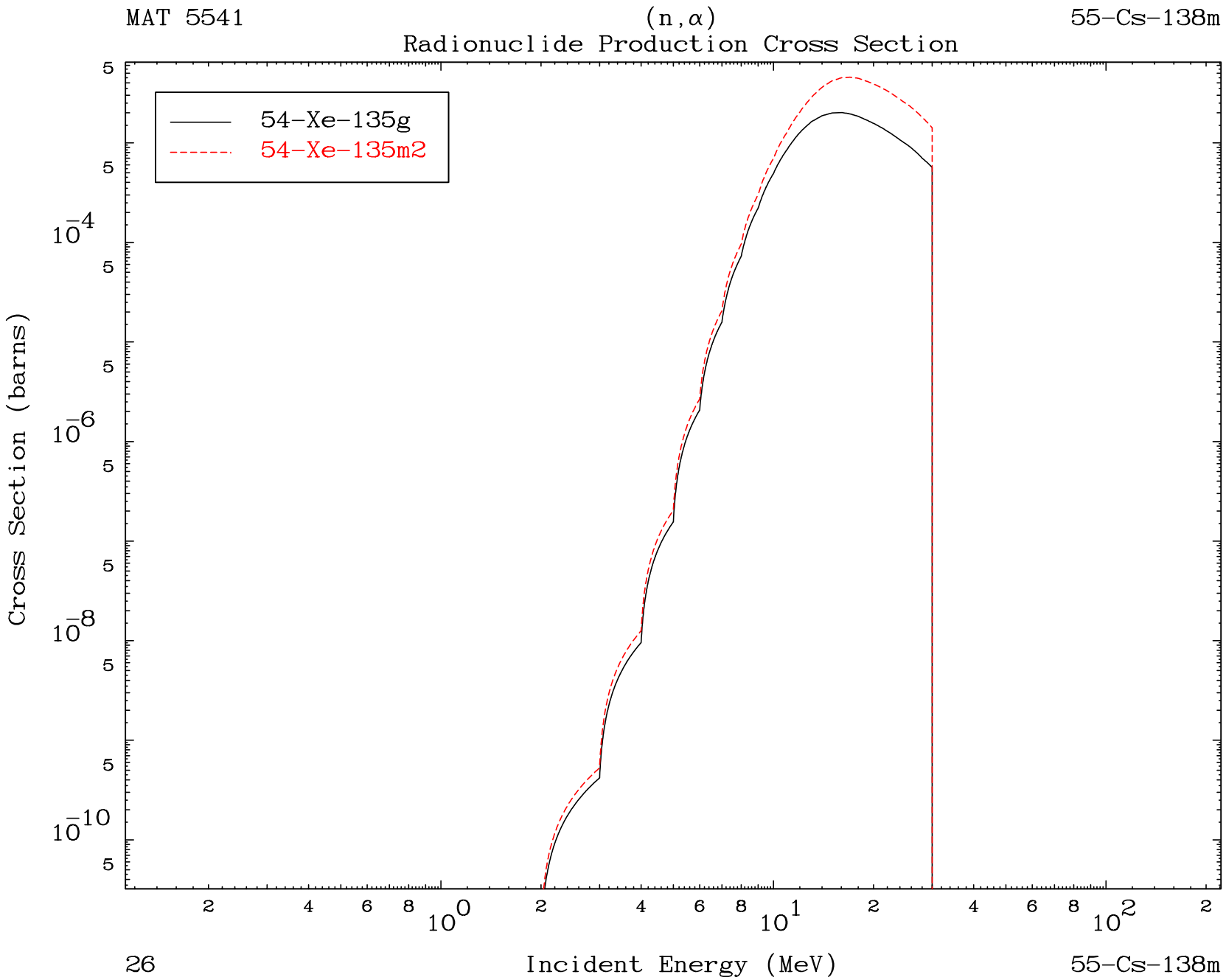
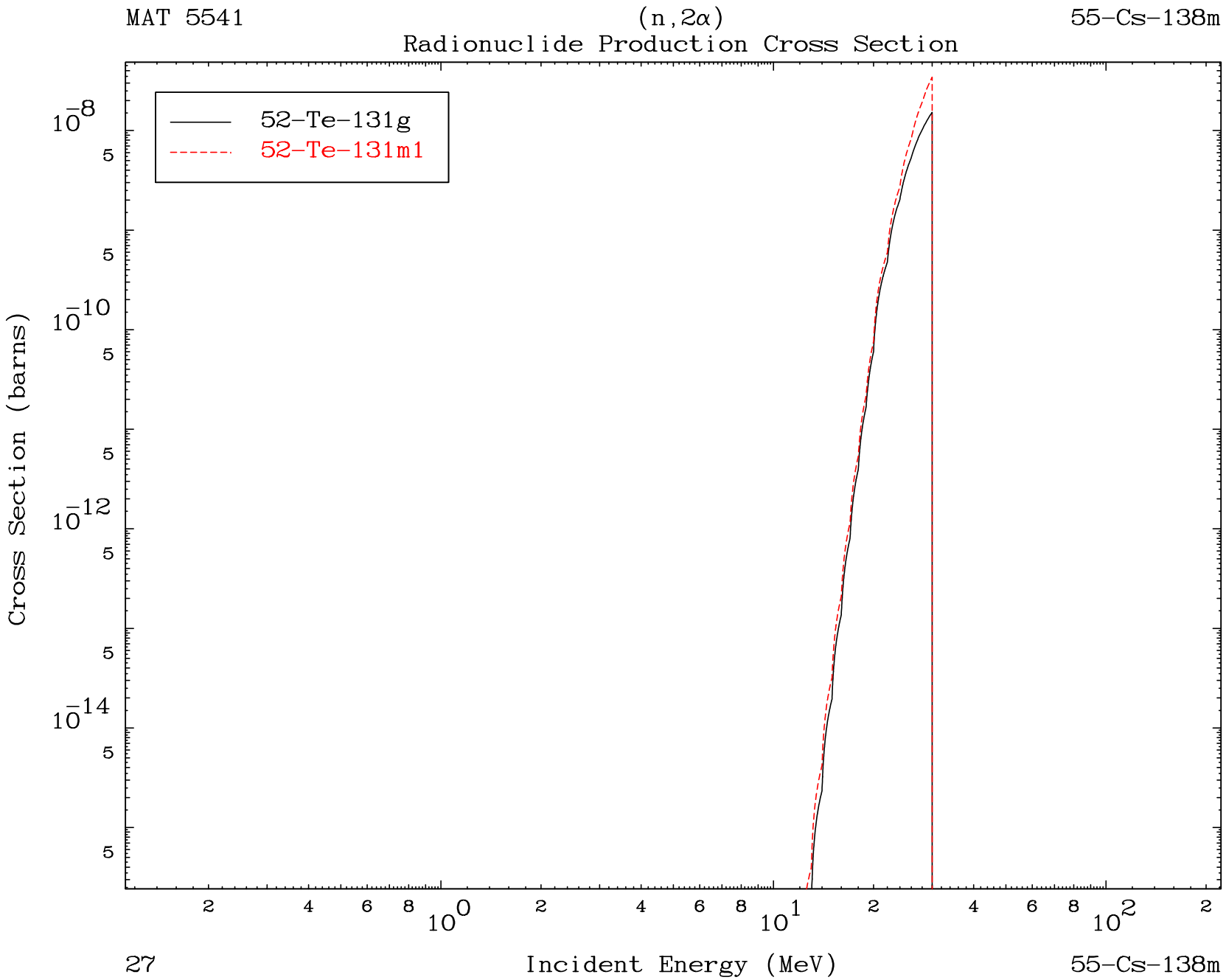
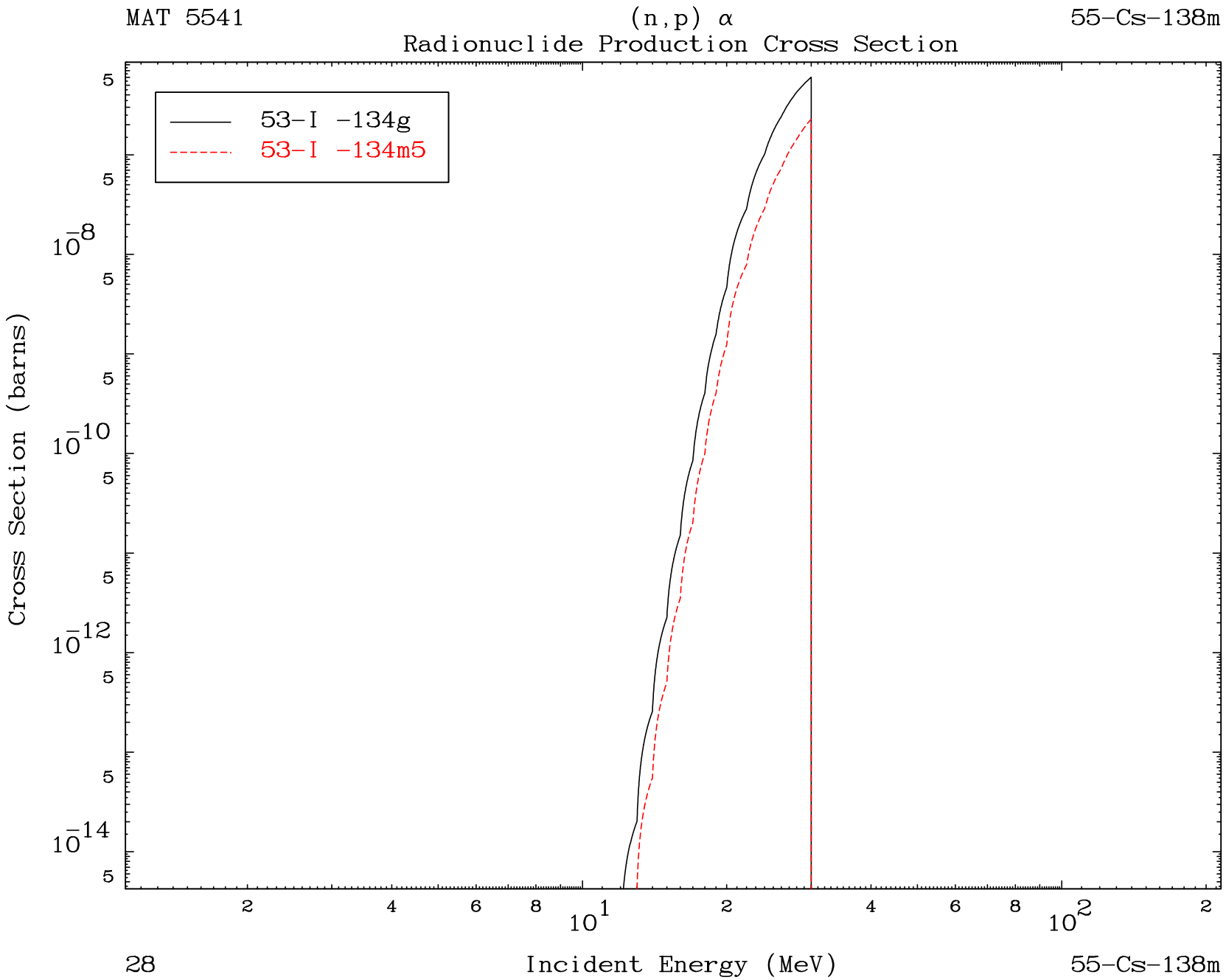
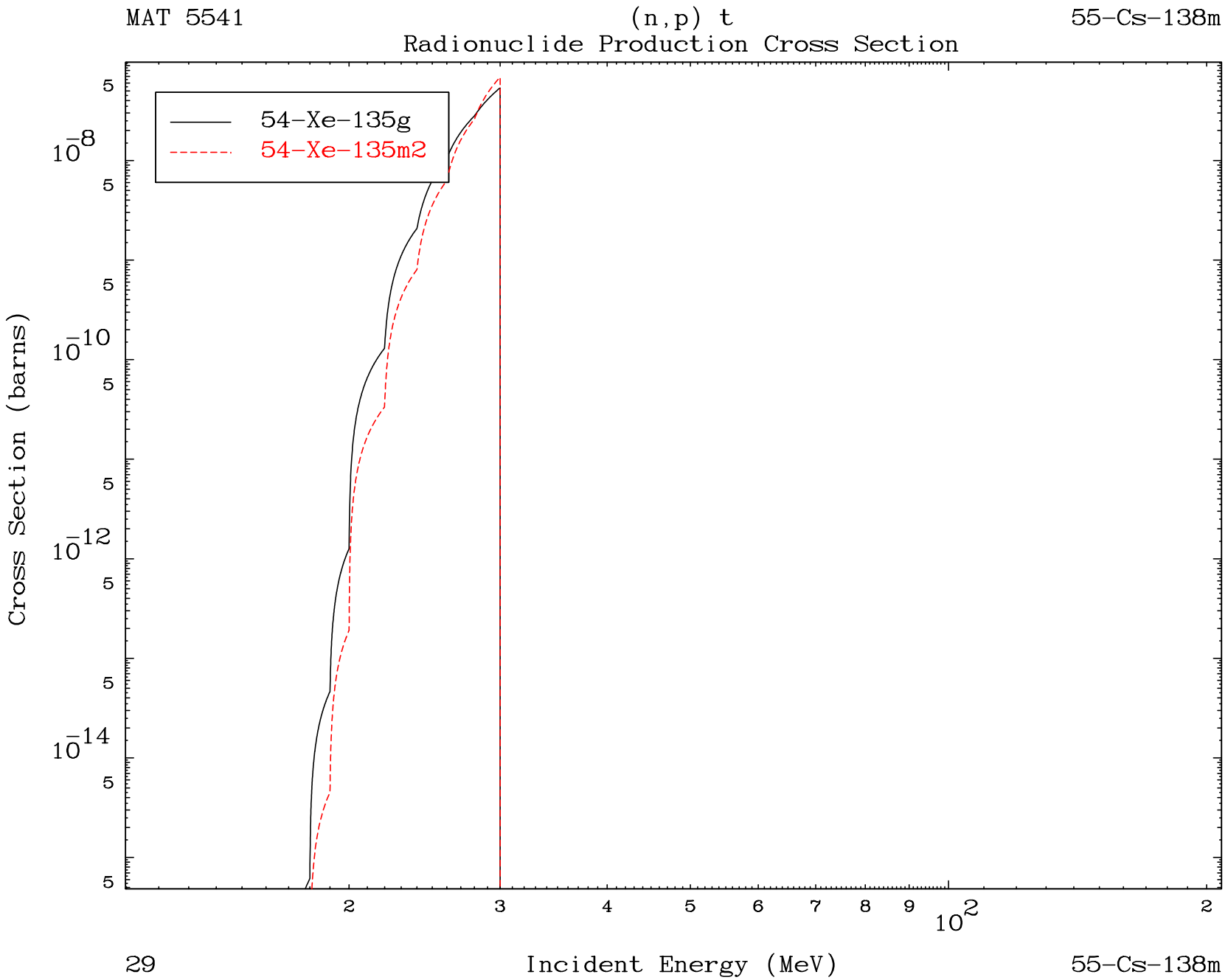
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
24
55-Cs-138m


MAT 5541
(n,t)
55-Cs-138m
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
25
Incident Energy (MeV)
55-Cs-138m


MAT 5541
(n,α)
55-Cs-138m
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
26
55-Cs-138m


MAT 5541
(n,2α)
55-Cs-138m
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
27
55-Cs-138m


MAT 5541
(n,p) α
55-Cs-138m
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
28
55-Cs-138m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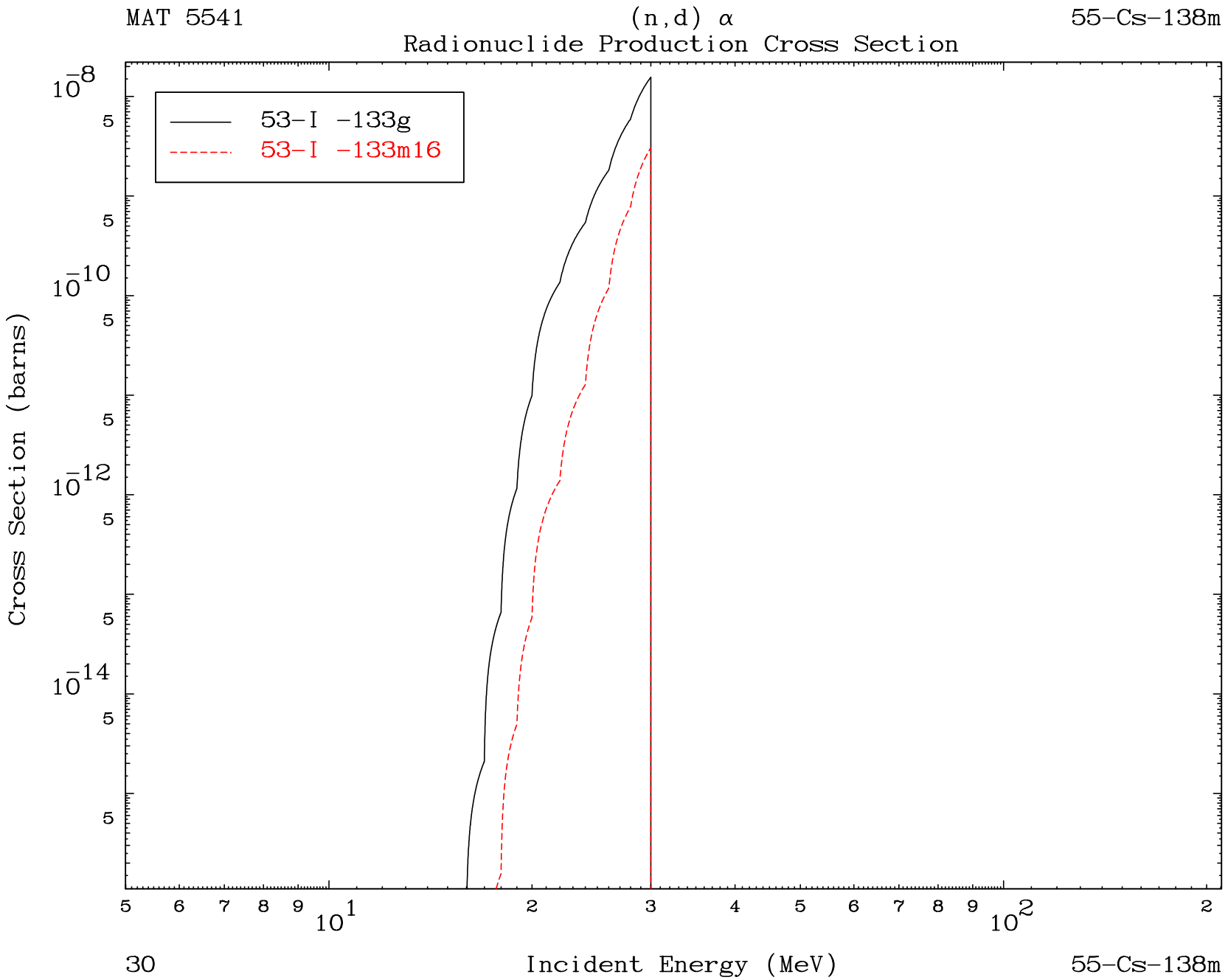
(n,p) t
55-Cs-138m
Radionuclide Production Cross Section
54-Xe-135g
54-Xe-135m2
Cross Section (barns)
Incident Energy (MeV)
29
55-Cs-138m


MAT 5541
(n,d) α
55-Cs-138m
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
30
55-Cs-138m