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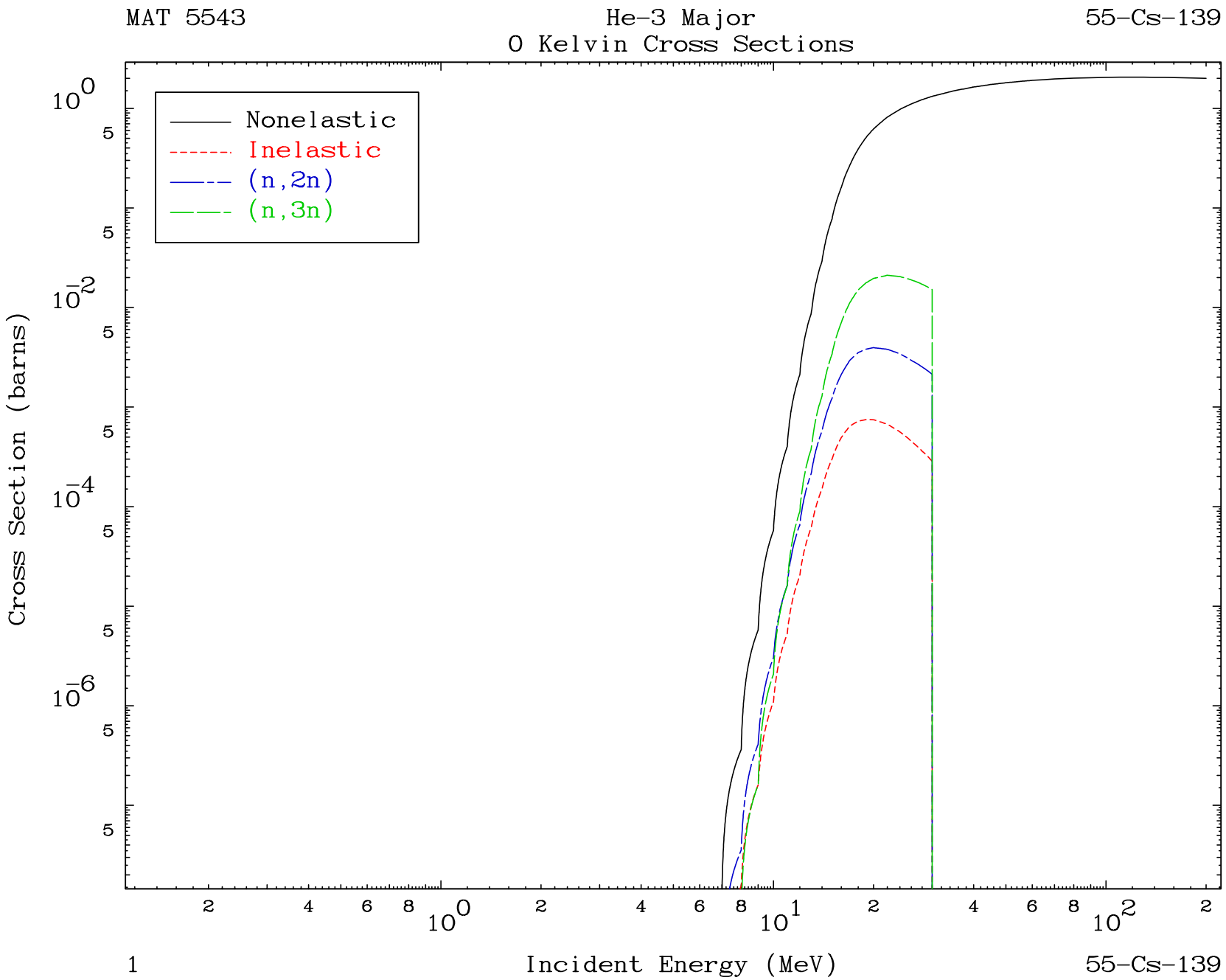
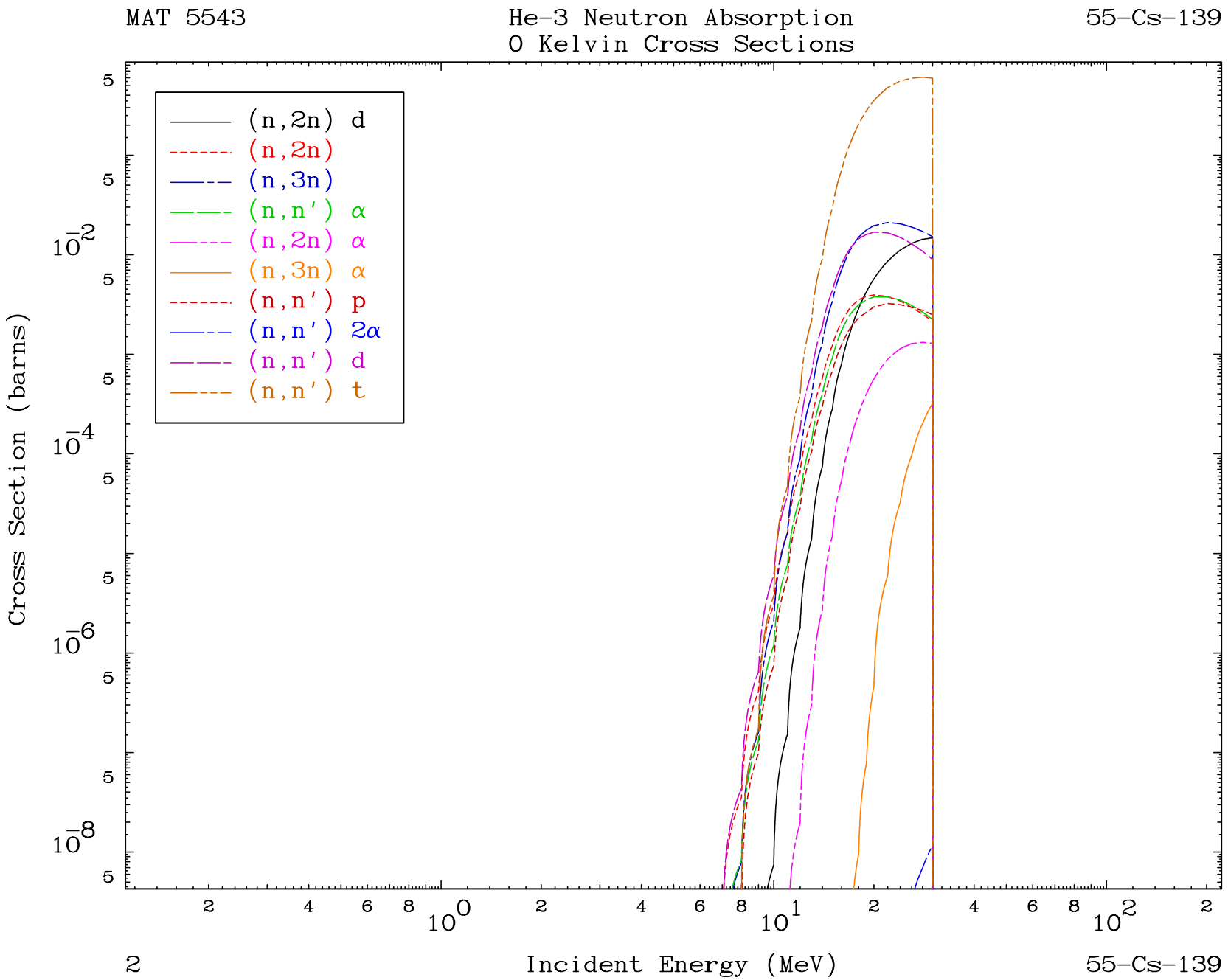
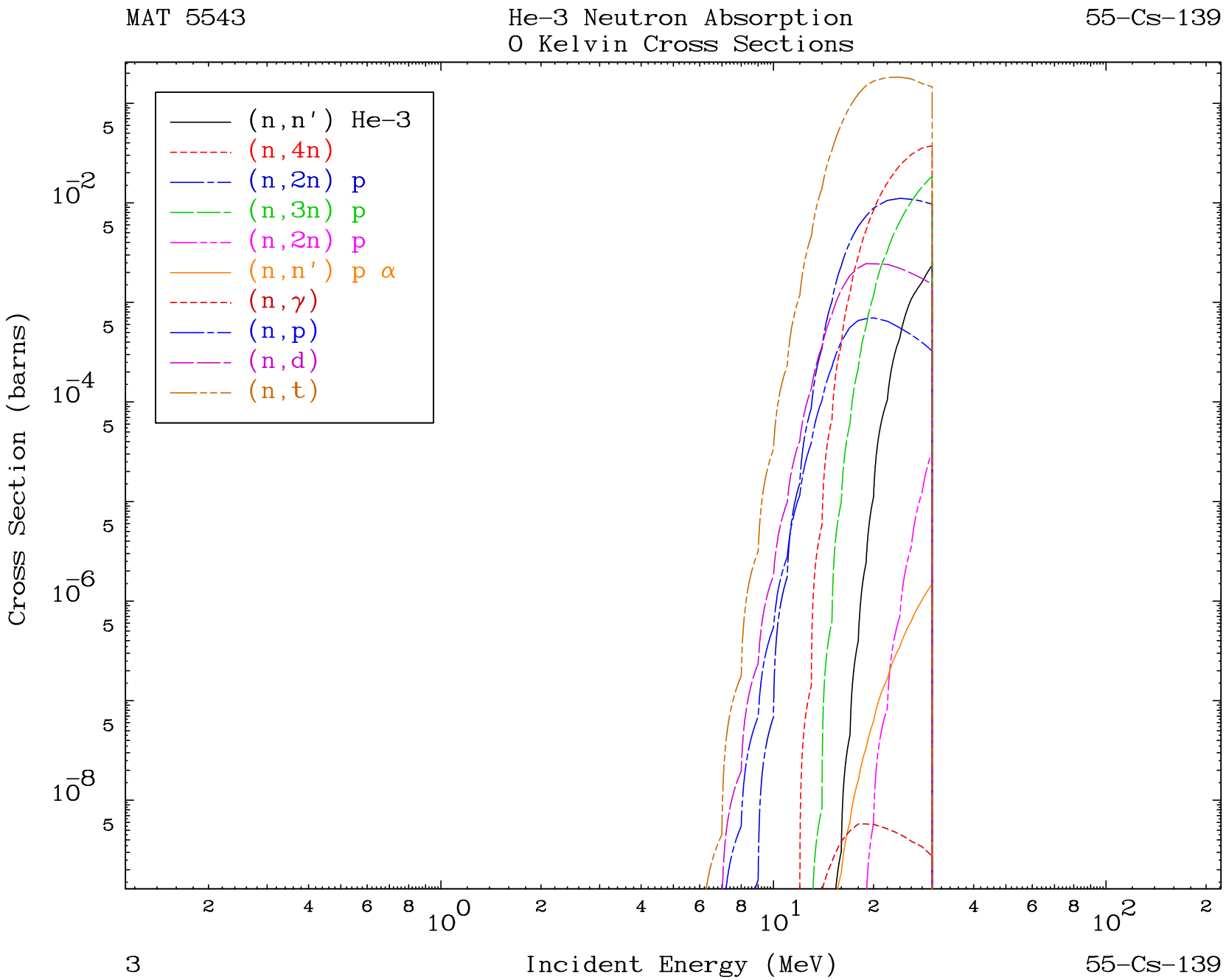
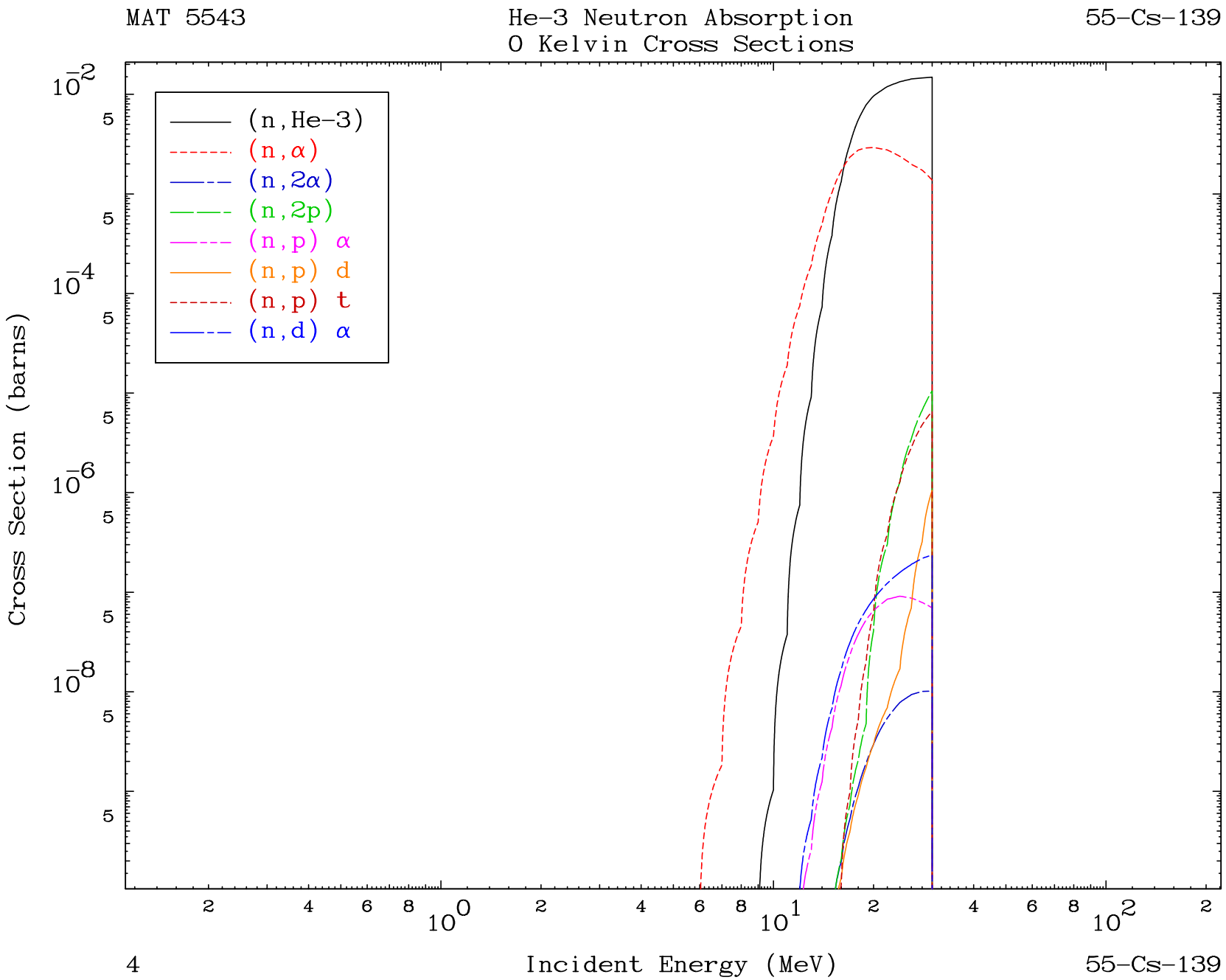
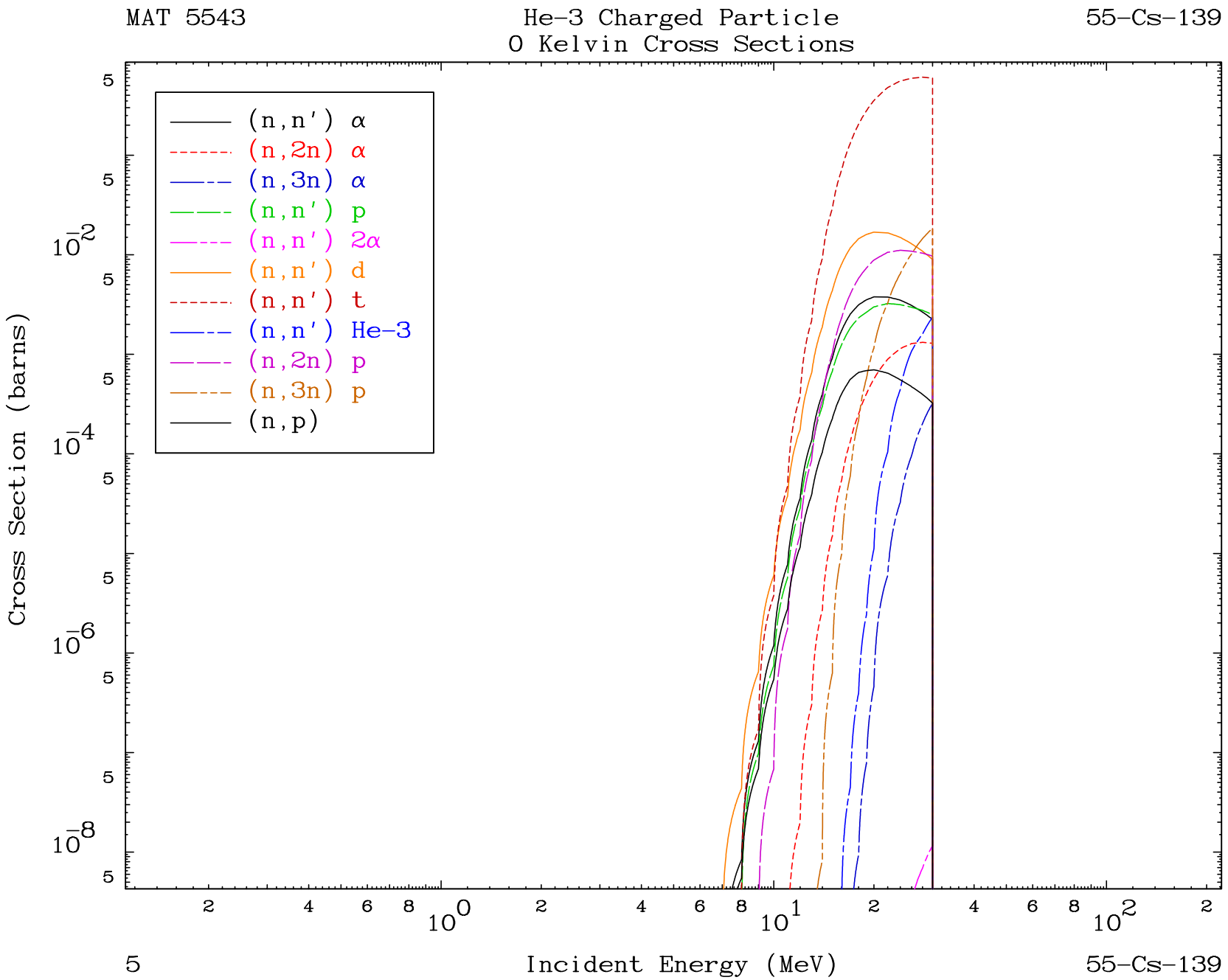
Press Mouse Button to Start

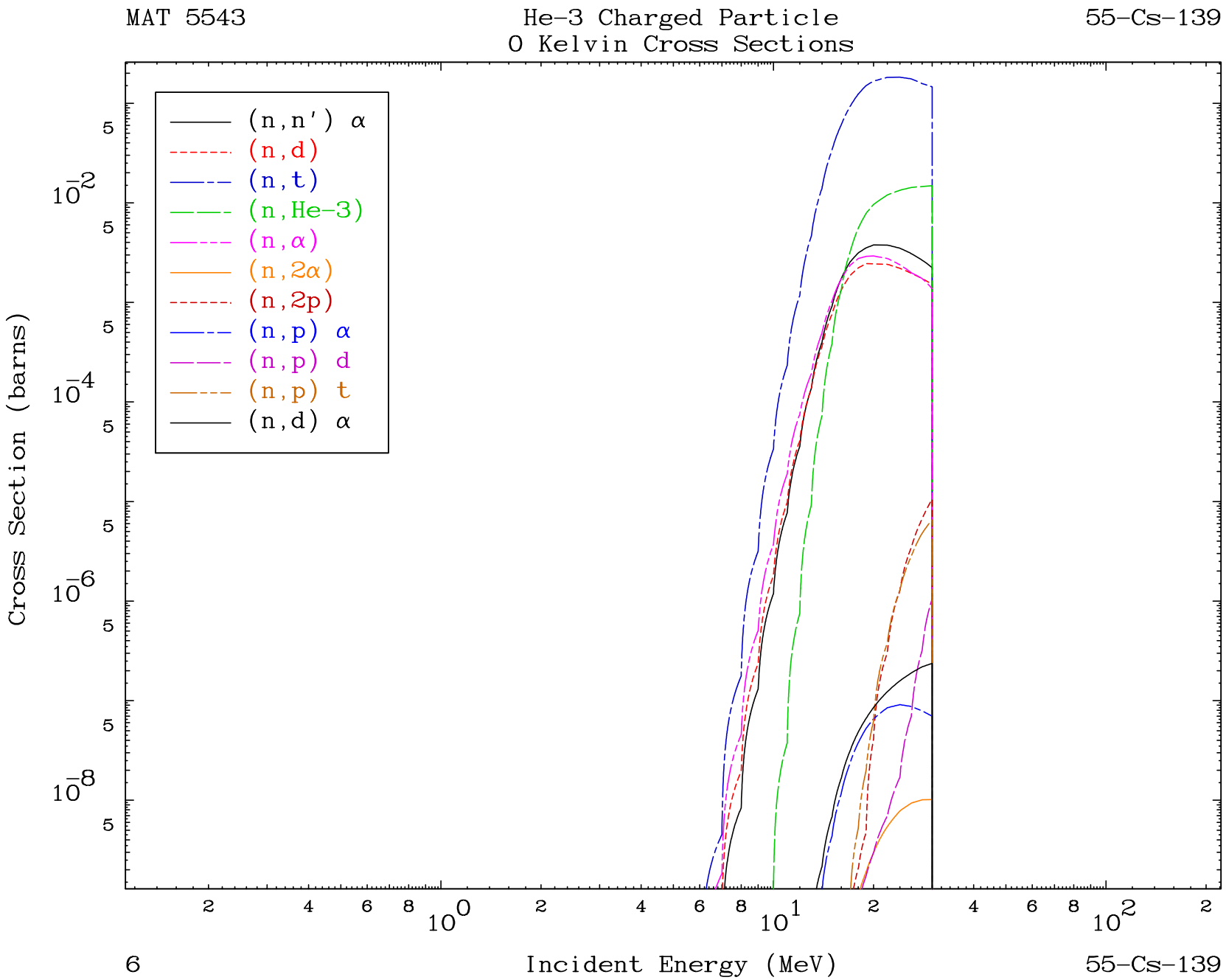

MAT 5543
He-3 Major
55-Cs-139
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-139
1

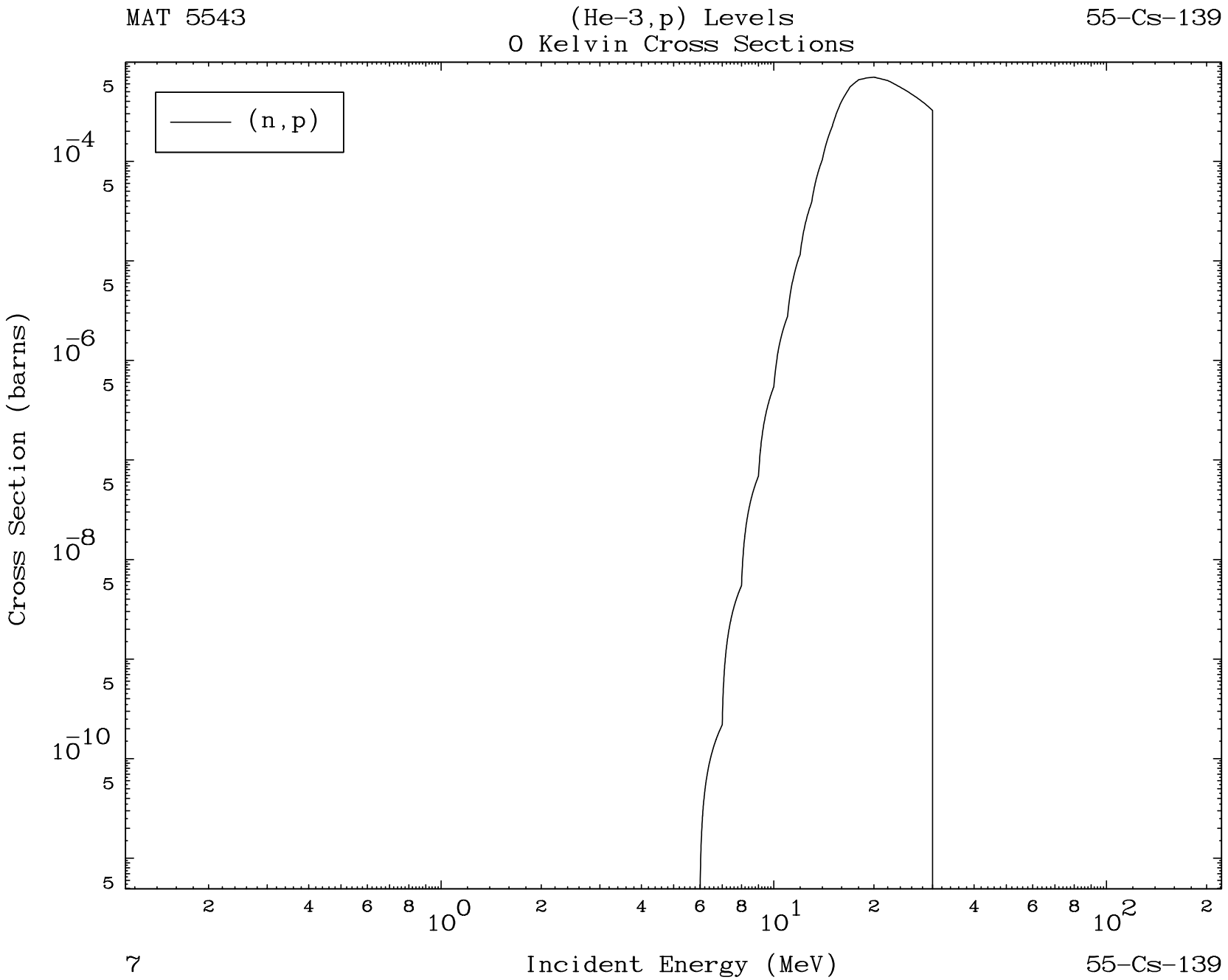

MAT 5543
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-139
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
55-Cs-139
2


MAT 5543
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-139
(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)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
3
55-Cs-139

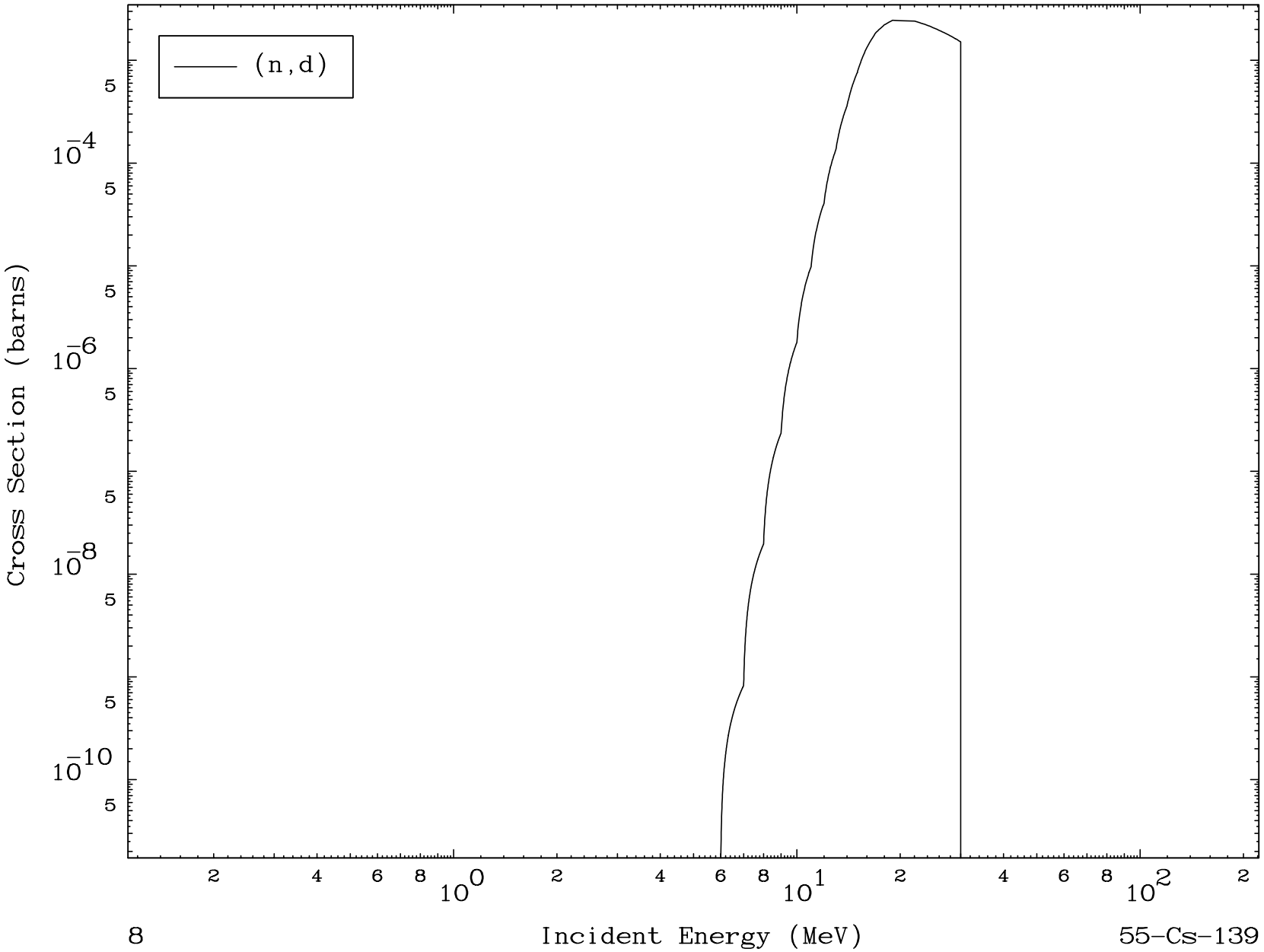

MAT 5543
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-139
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-139

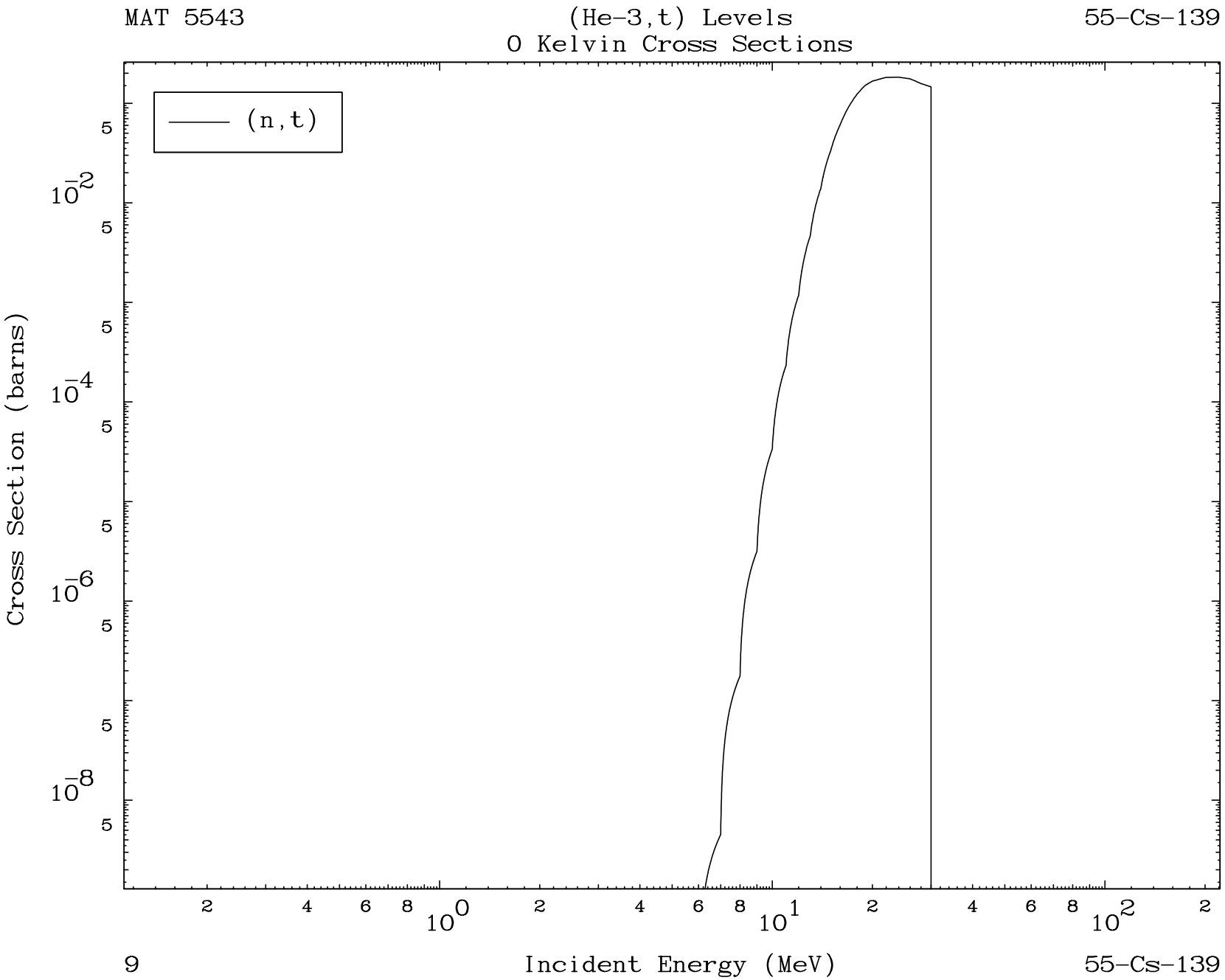

MAT 5543
He-3 Charged Particle
0 Kelvin Cross Sections
55-Cs-139
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-139

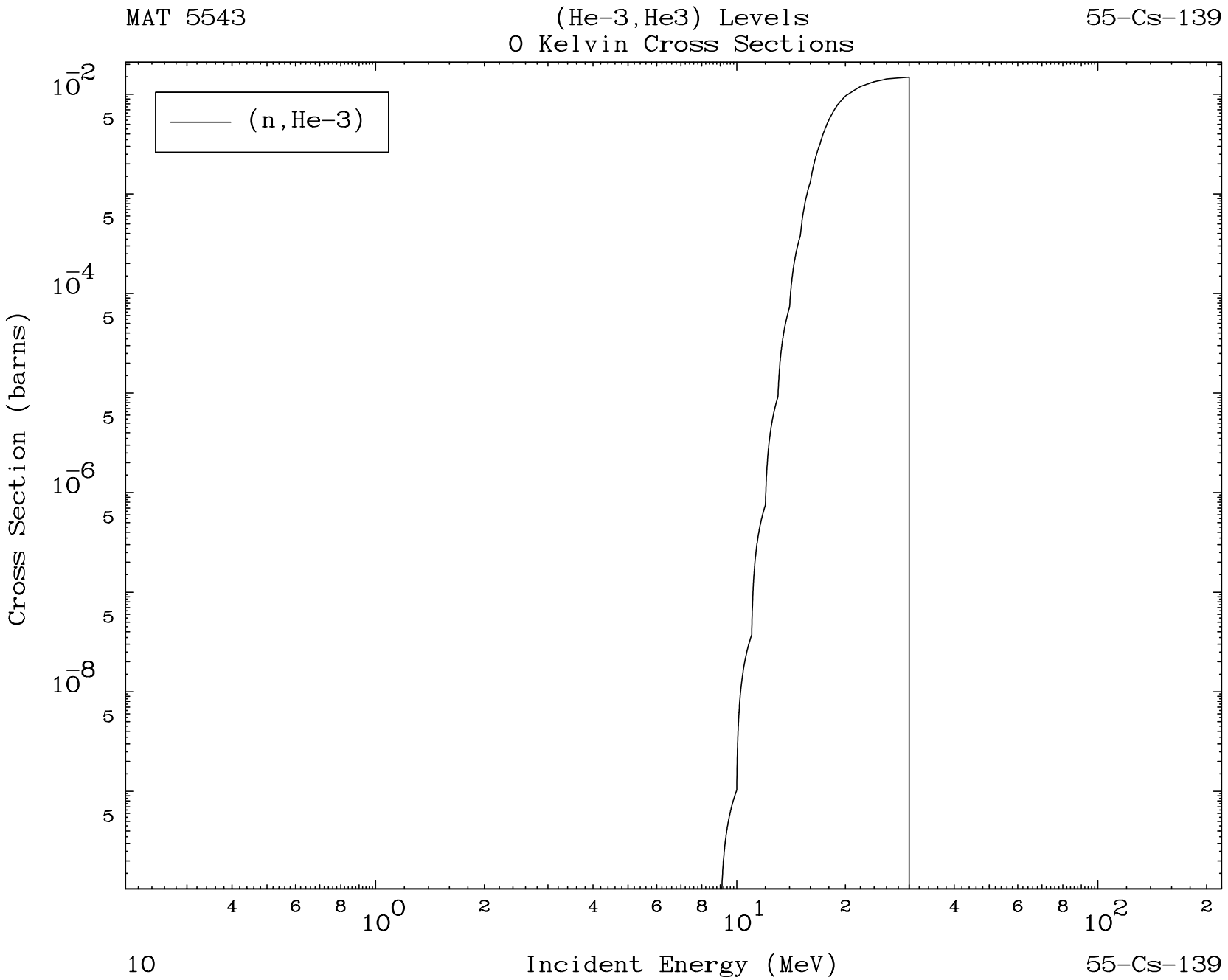

MAT 5543
He-3 Charged Particle
0 Kelvin Cross Sections
55-Cs-139
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
55-Cs-139

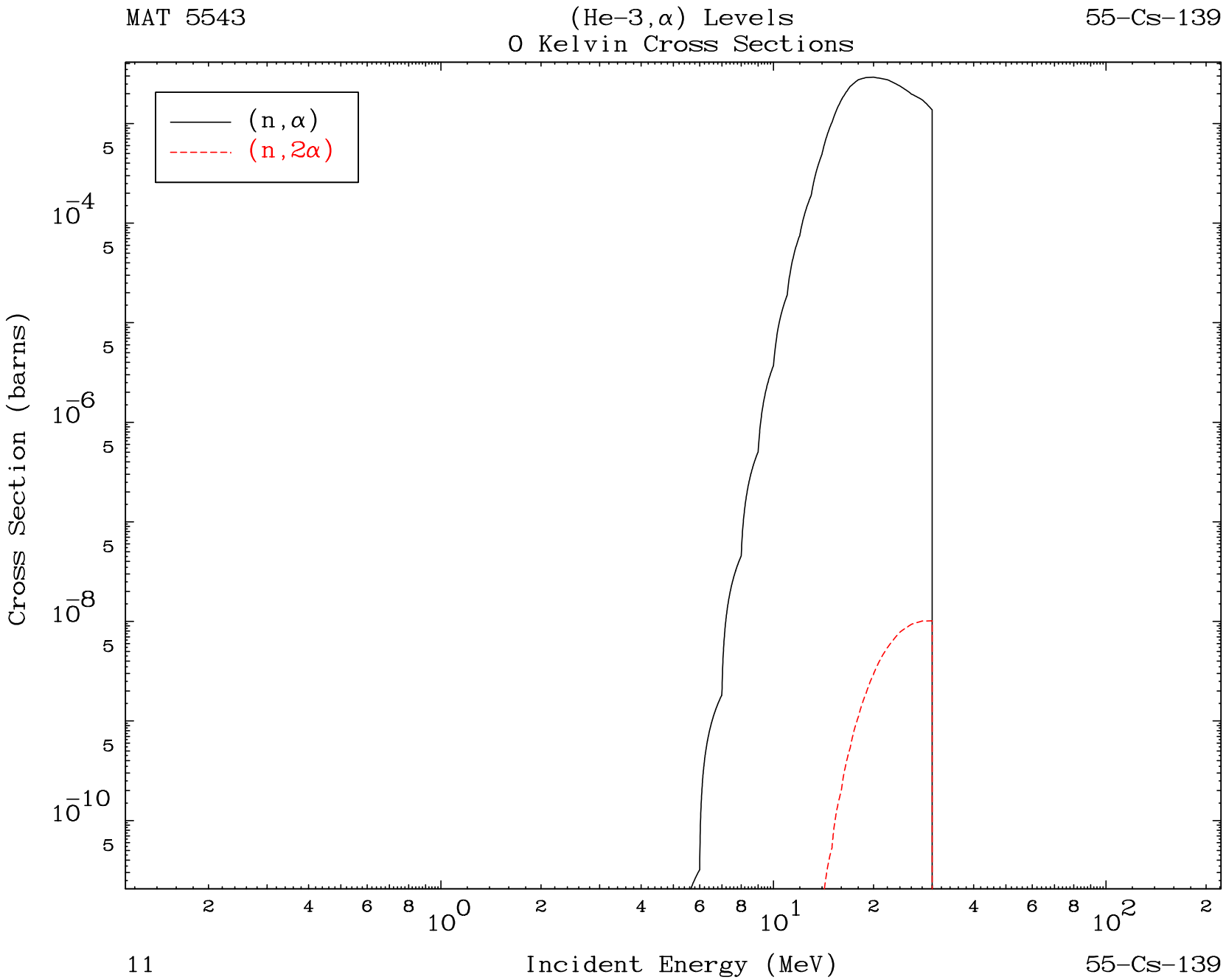

MAT 5543
(He-3,p) Levels
55-Cs-139
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
55-Cs-139

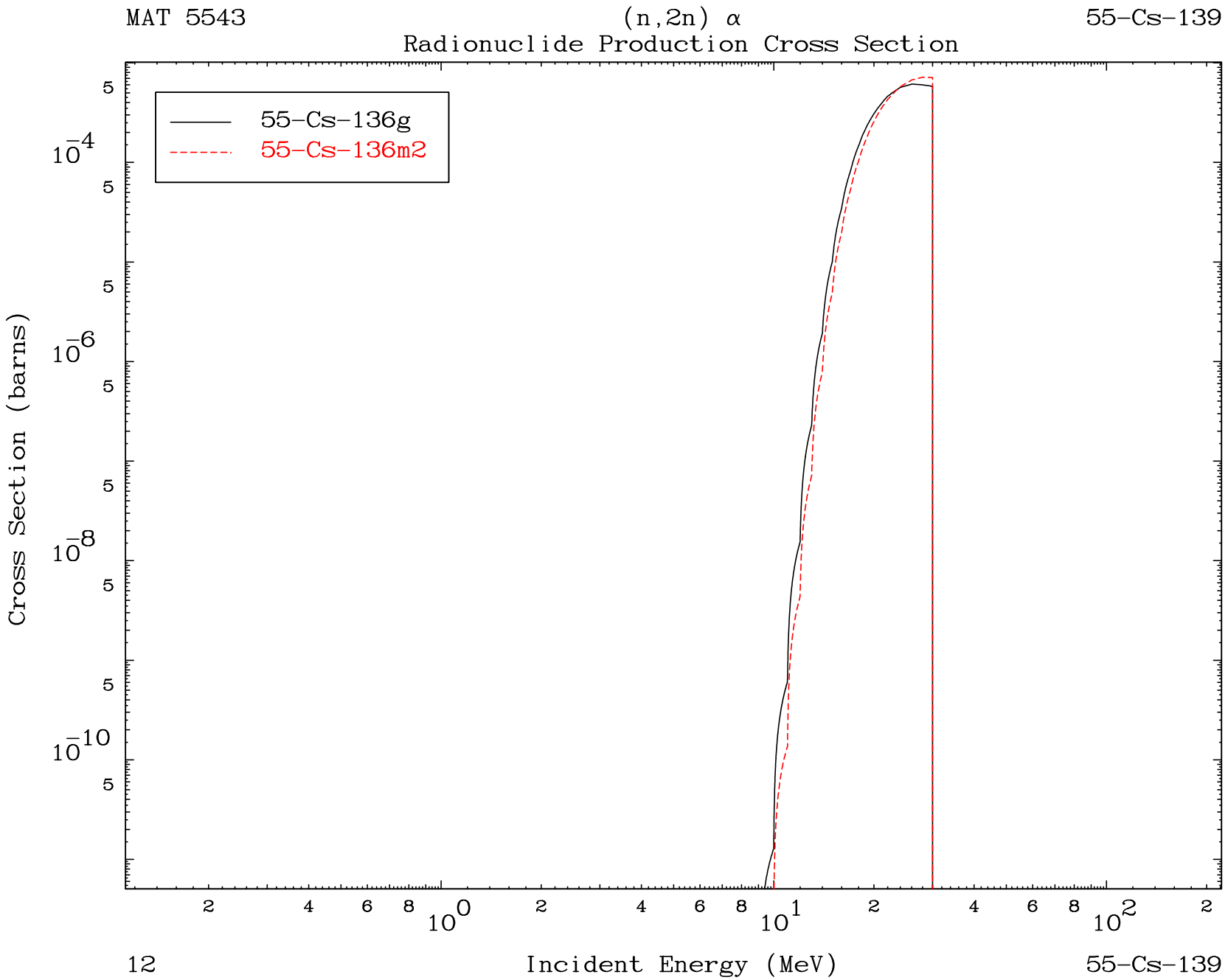
0 Kelvin Cross Sections

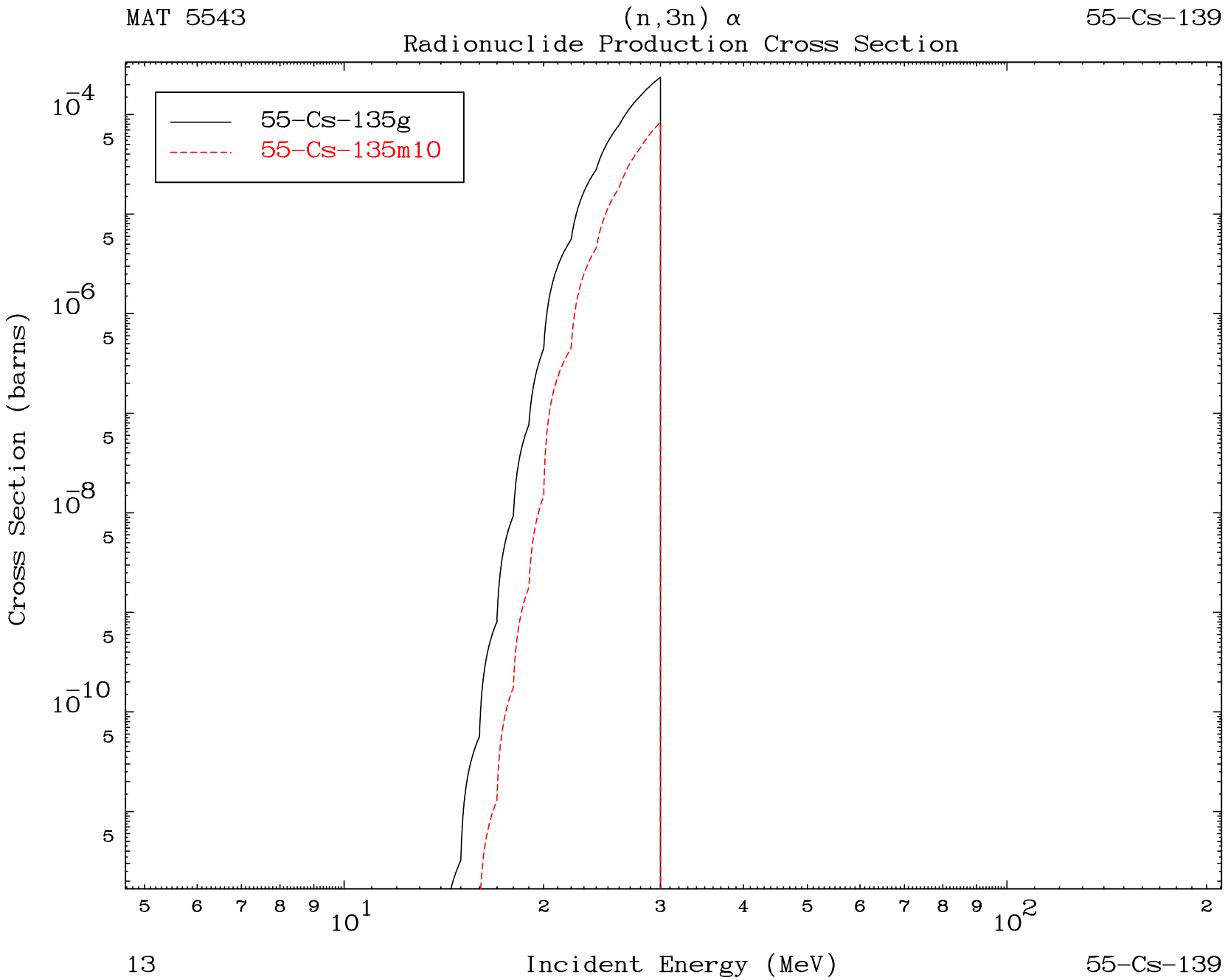


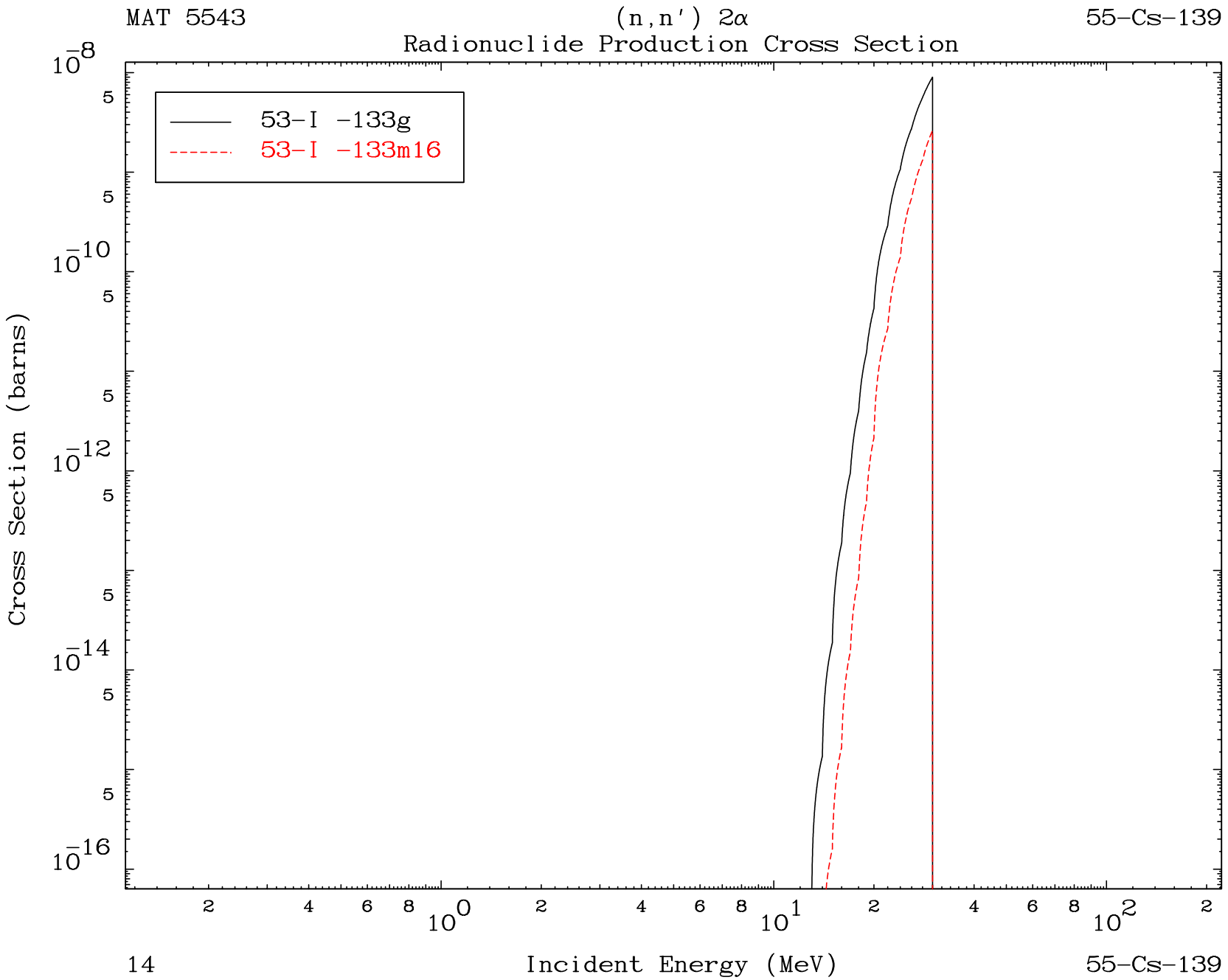

MAT 5543
(He-3,t) Levels
55-Cs-139
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
55-Cs-139

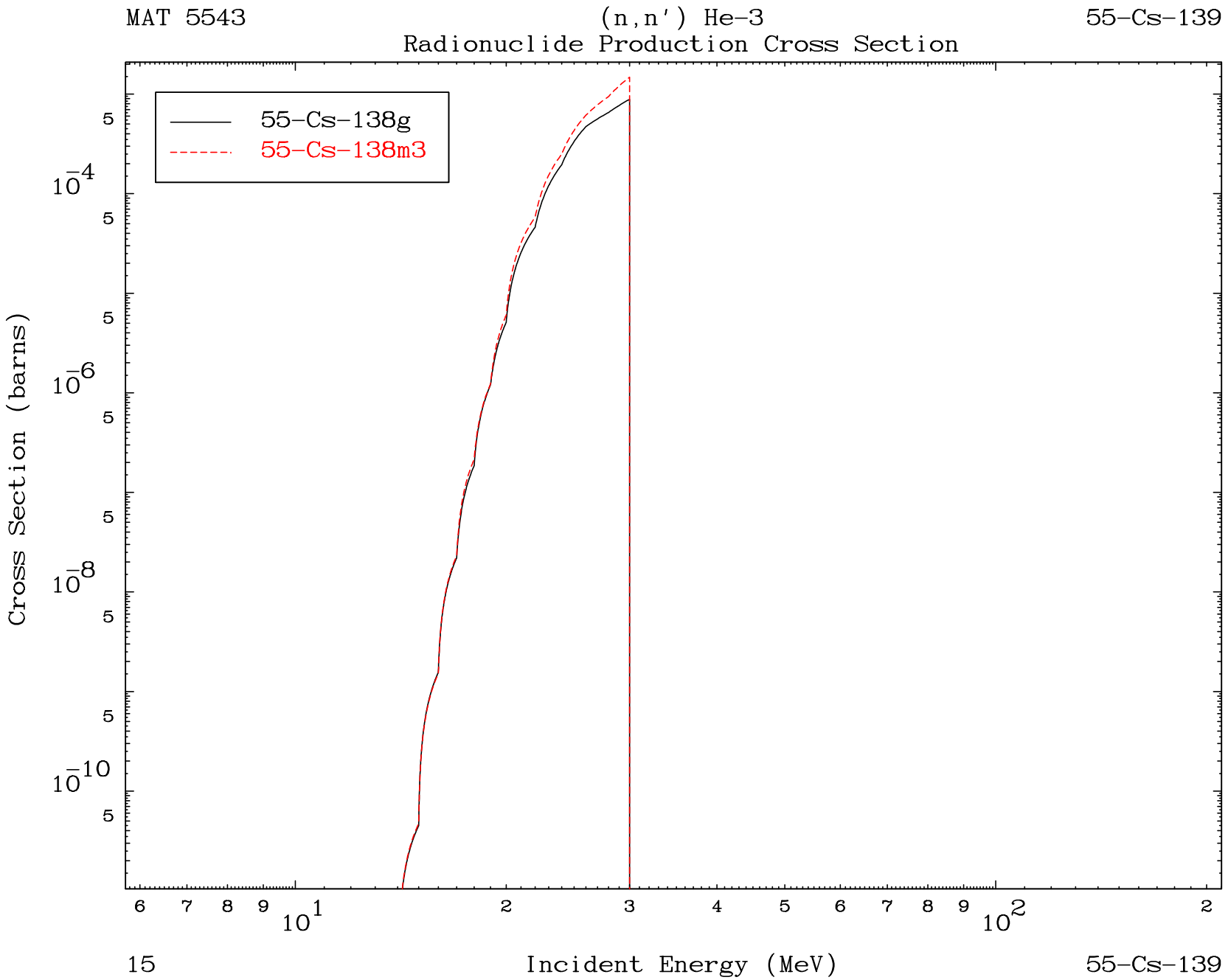

MAT 5543
(He-3,He3) Levels
55-Cs-139
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-139

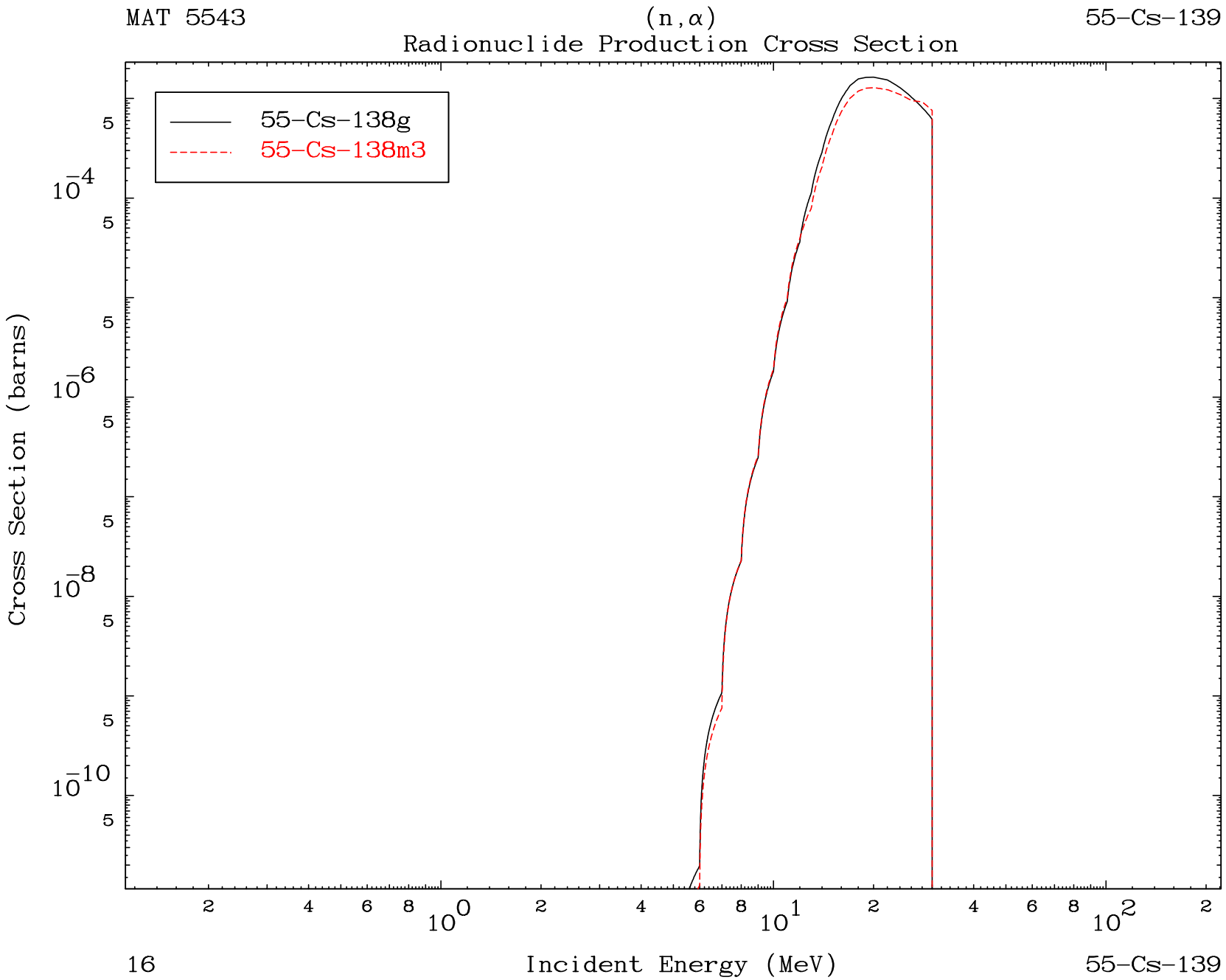

MAT 5543
(He-3,α) Levels
0 Kelvin Cross Sections
55-Cs-139
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
55-Cs-139

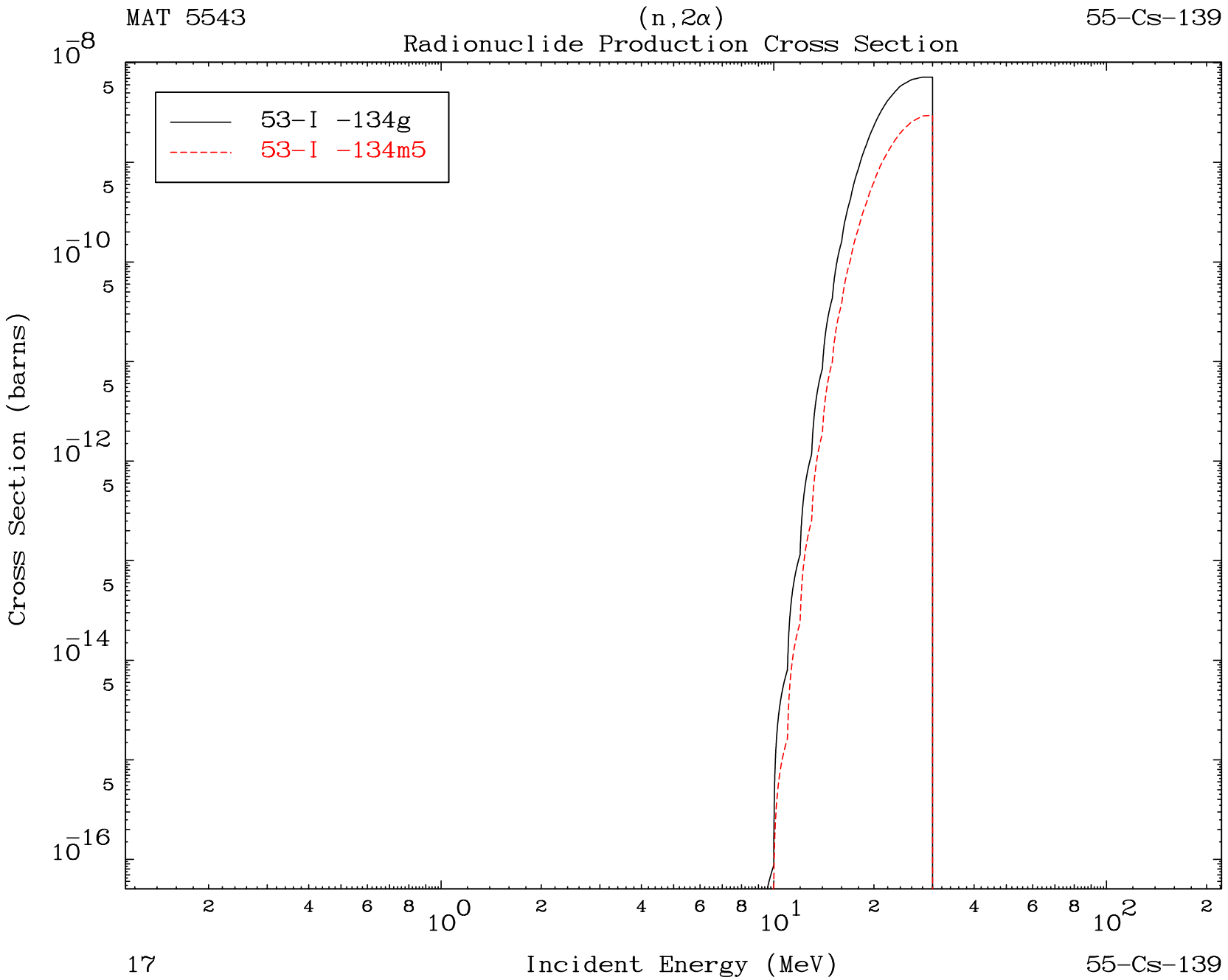

MAT 5543
(n,2n) α
55-Cs-139
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
12
55-Cs-139

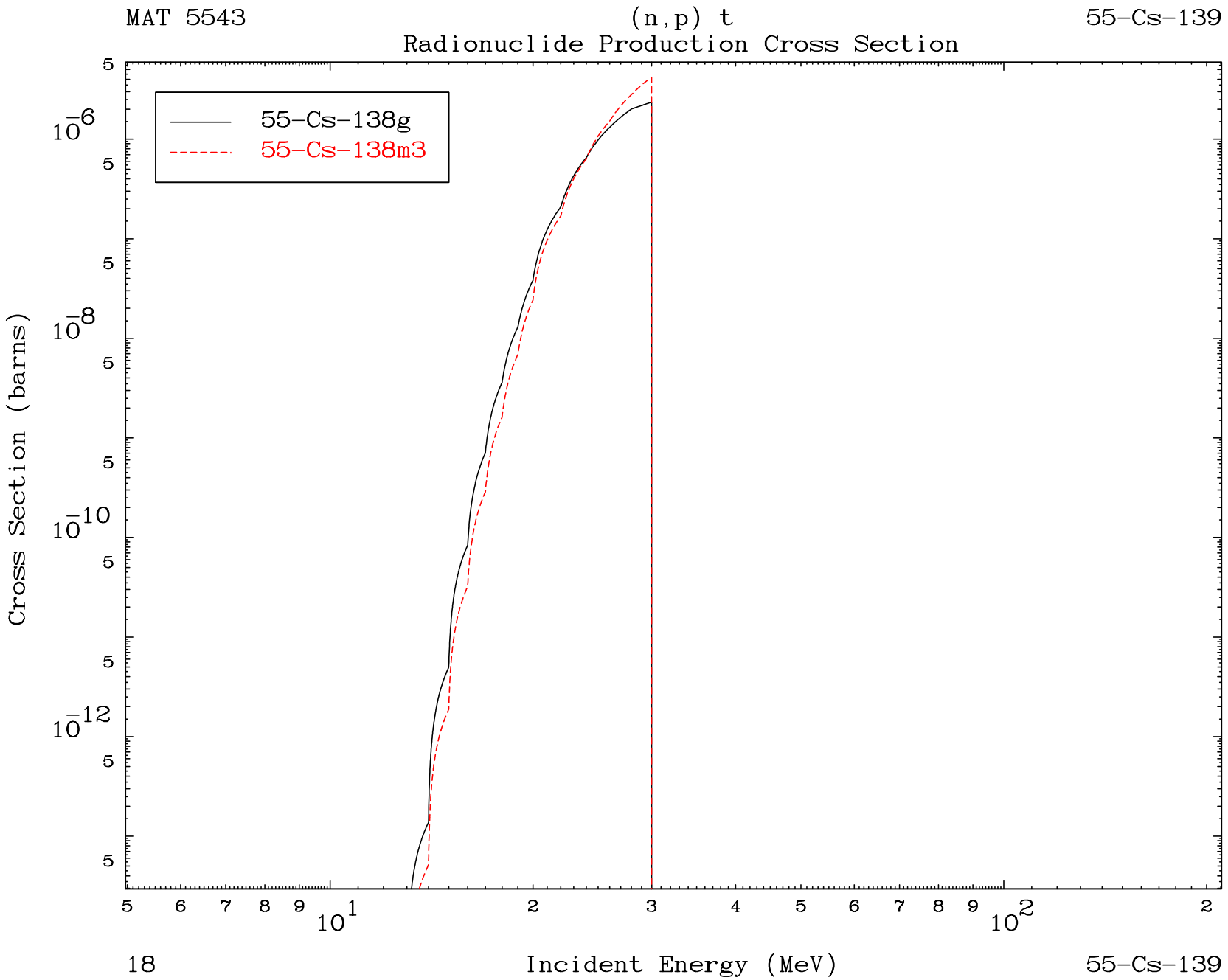

MAT 5543
(n,3n) α
55-Cs-139
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
55-Cs-139


MAT 5543
(n,n') 2α
55-Cs-139
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-139


MAT 5543
(n,n') He-3
55-Cs-139
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
15
55-Cs-139


MAT 5543
(n,α)
55-Cs-139
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
16
55-Cs-139


MAT 5543
(n,2α)
55-Cs-139
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
17
55-Cs-139


MAT 5543
(n,p) t
55-Cs-139
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
Incident Energy (MeV)
18
55-Cs-139