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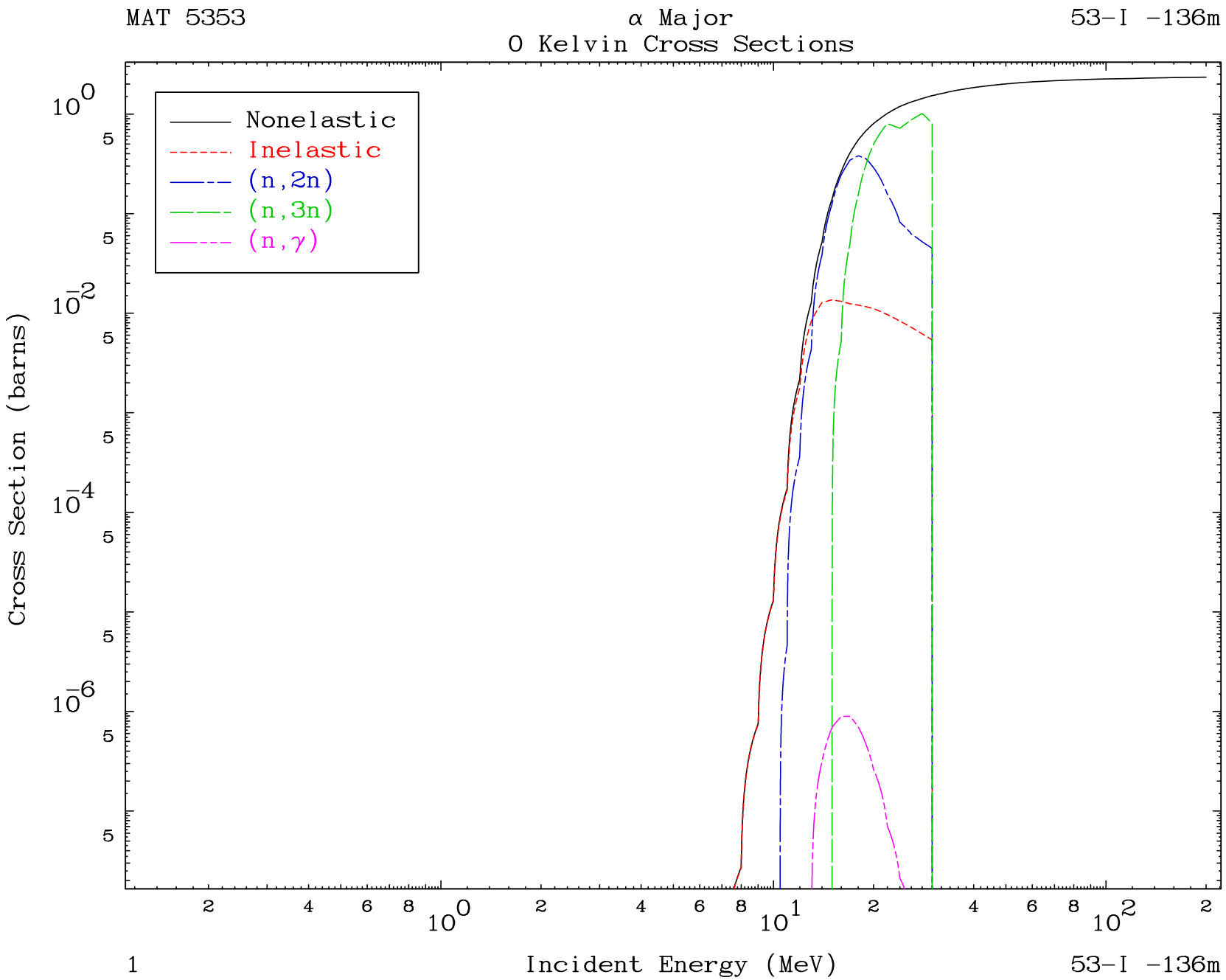
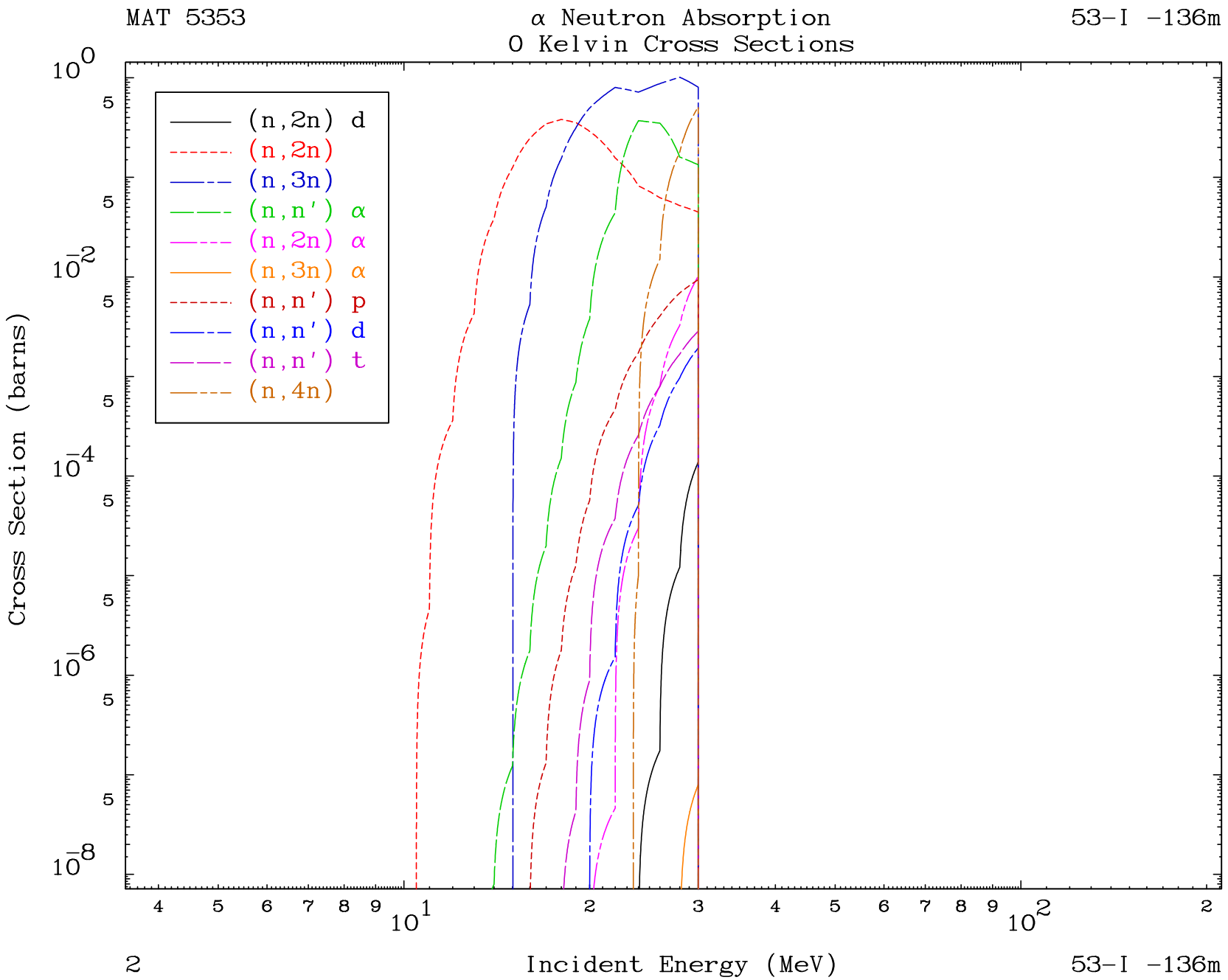
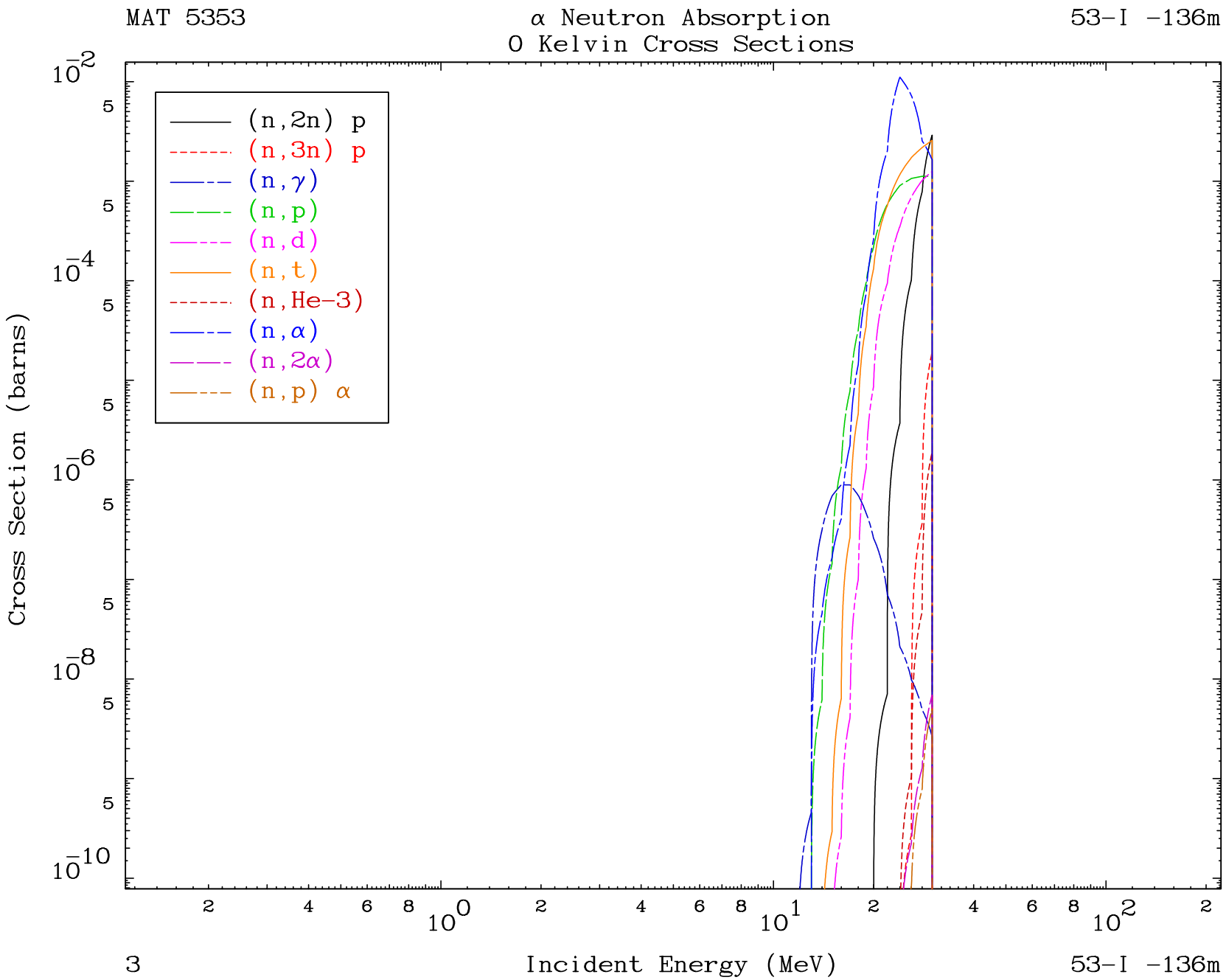
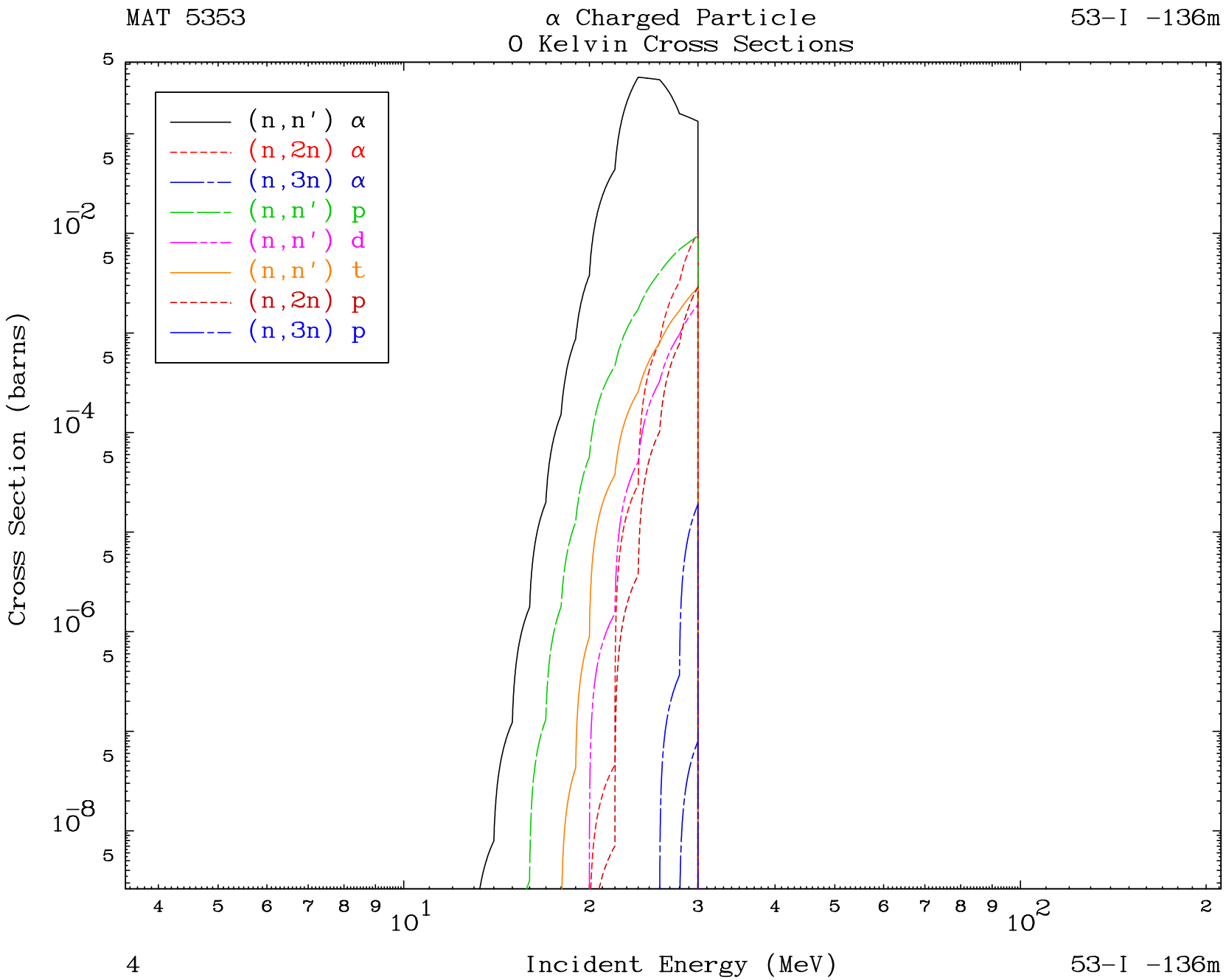
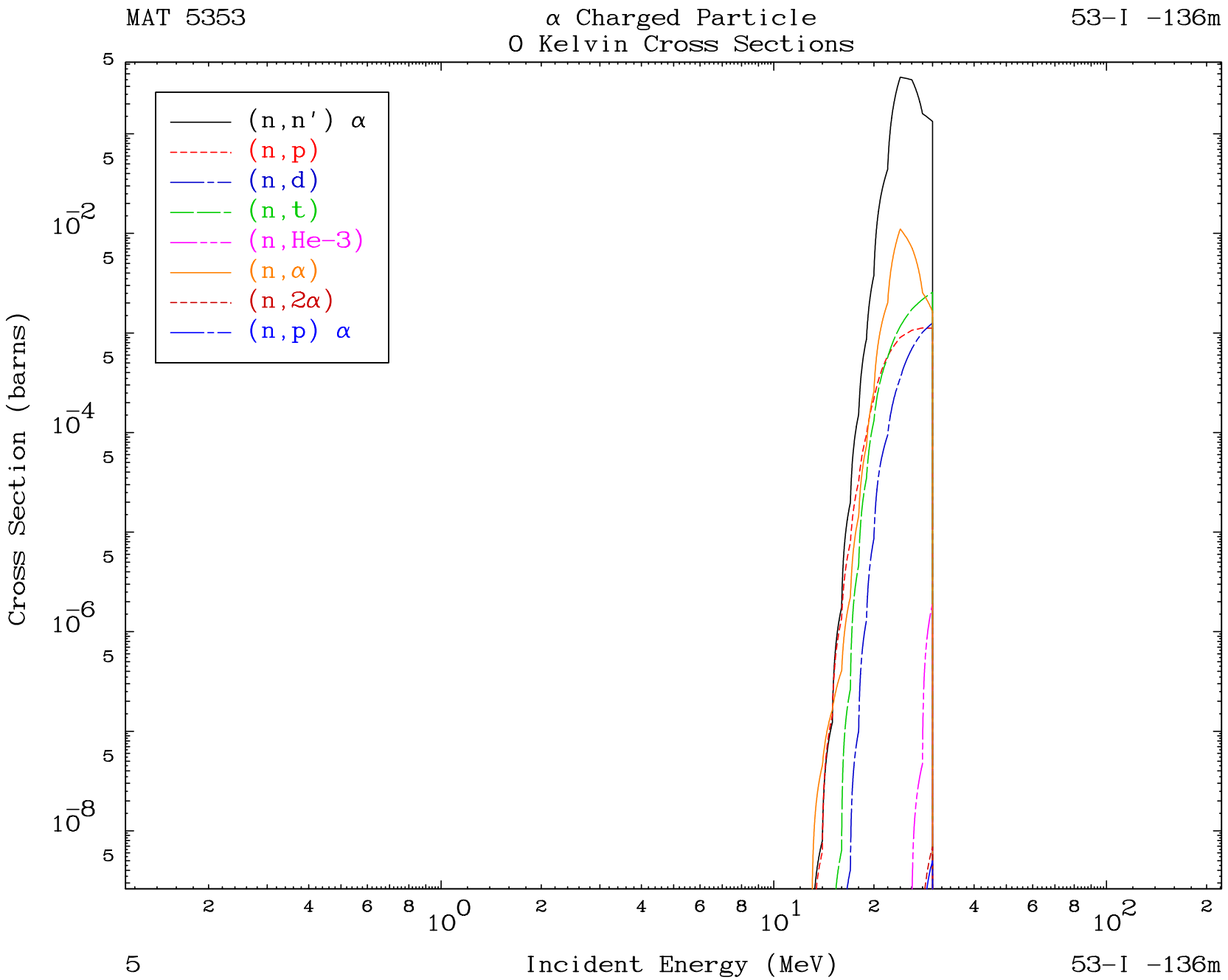
Press Mouse Button to Start

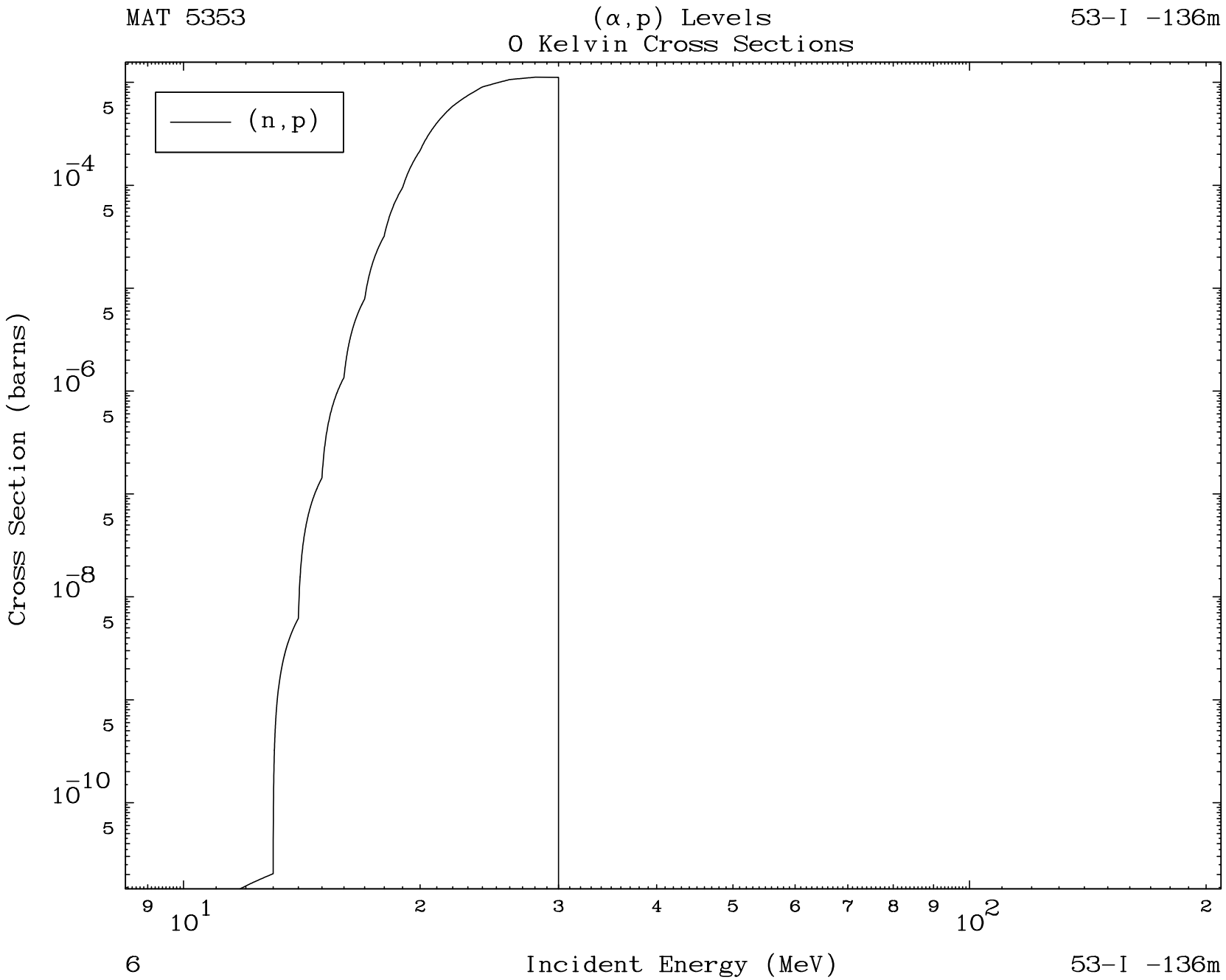

MAT 5353
α Major
53-I -136m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
53-I -136m
1

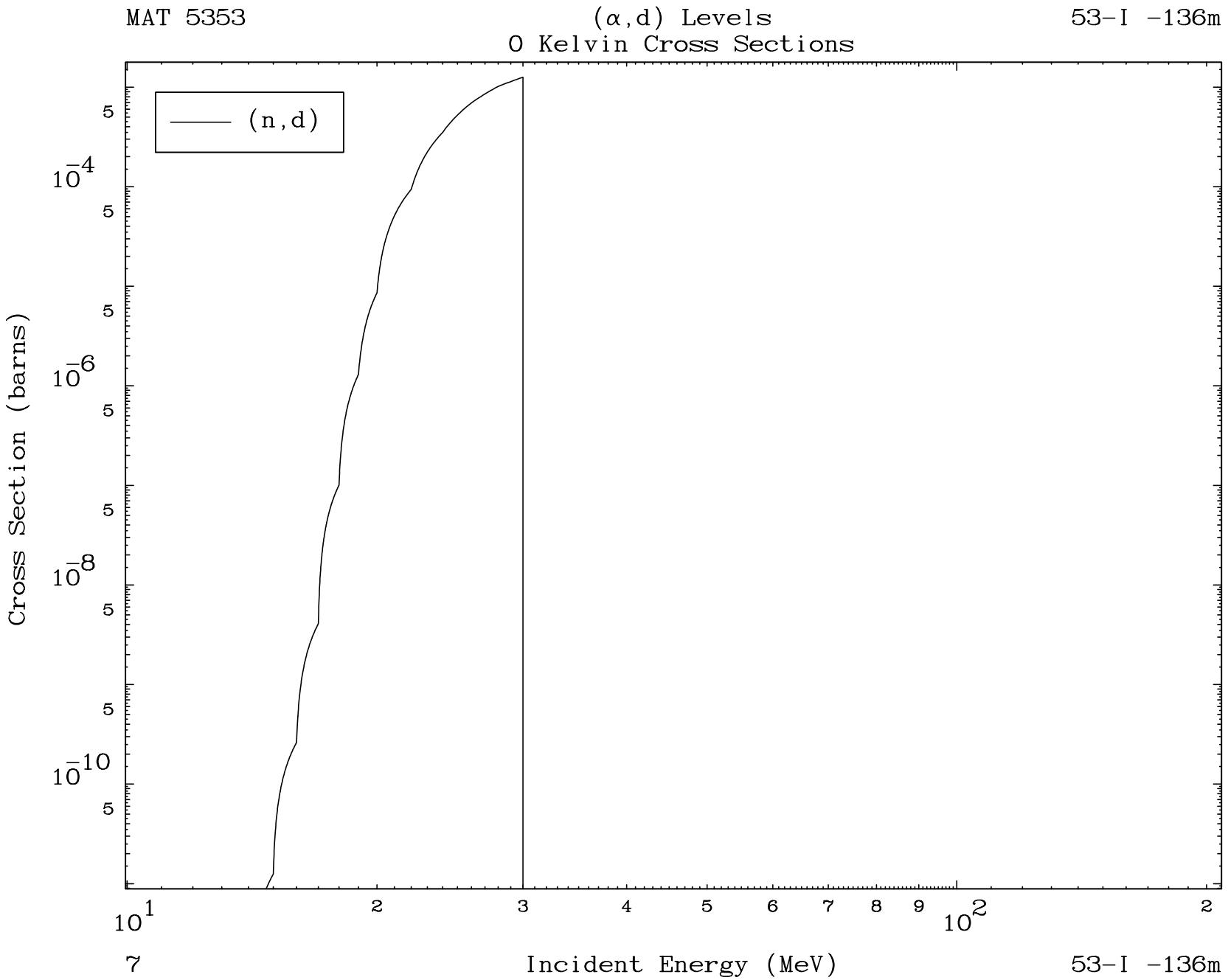

MAT 5353
α Neutron Absorption
0 Kelvin Cross Sections
53-I -136m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,4n)
Cross Section (barns)
Incident Energy (MeV)
53-I -136m

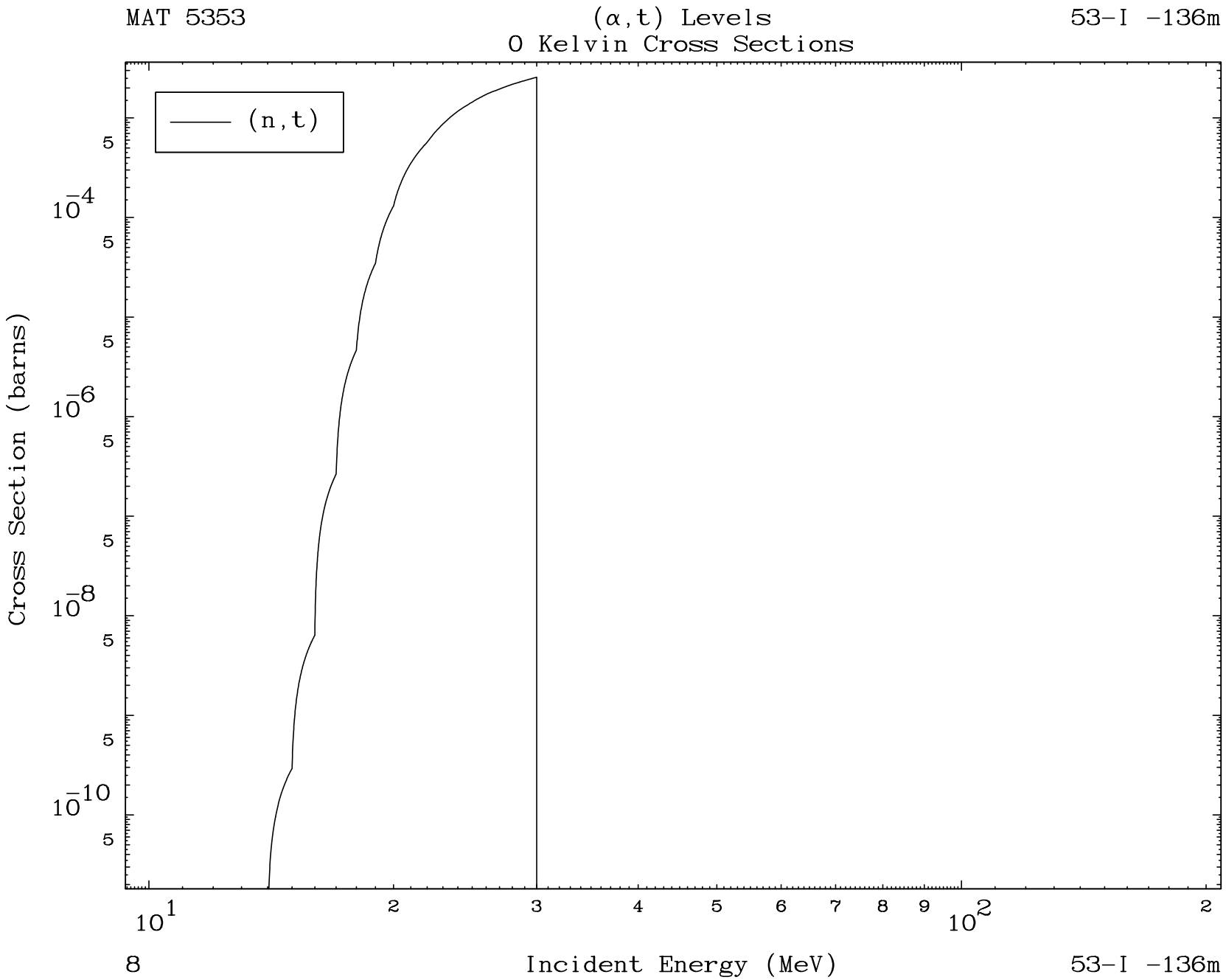

MAT 5353
α Neutron Absorption
0 Kelvin Cross Sections
53-I -136m
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
53-I -136m

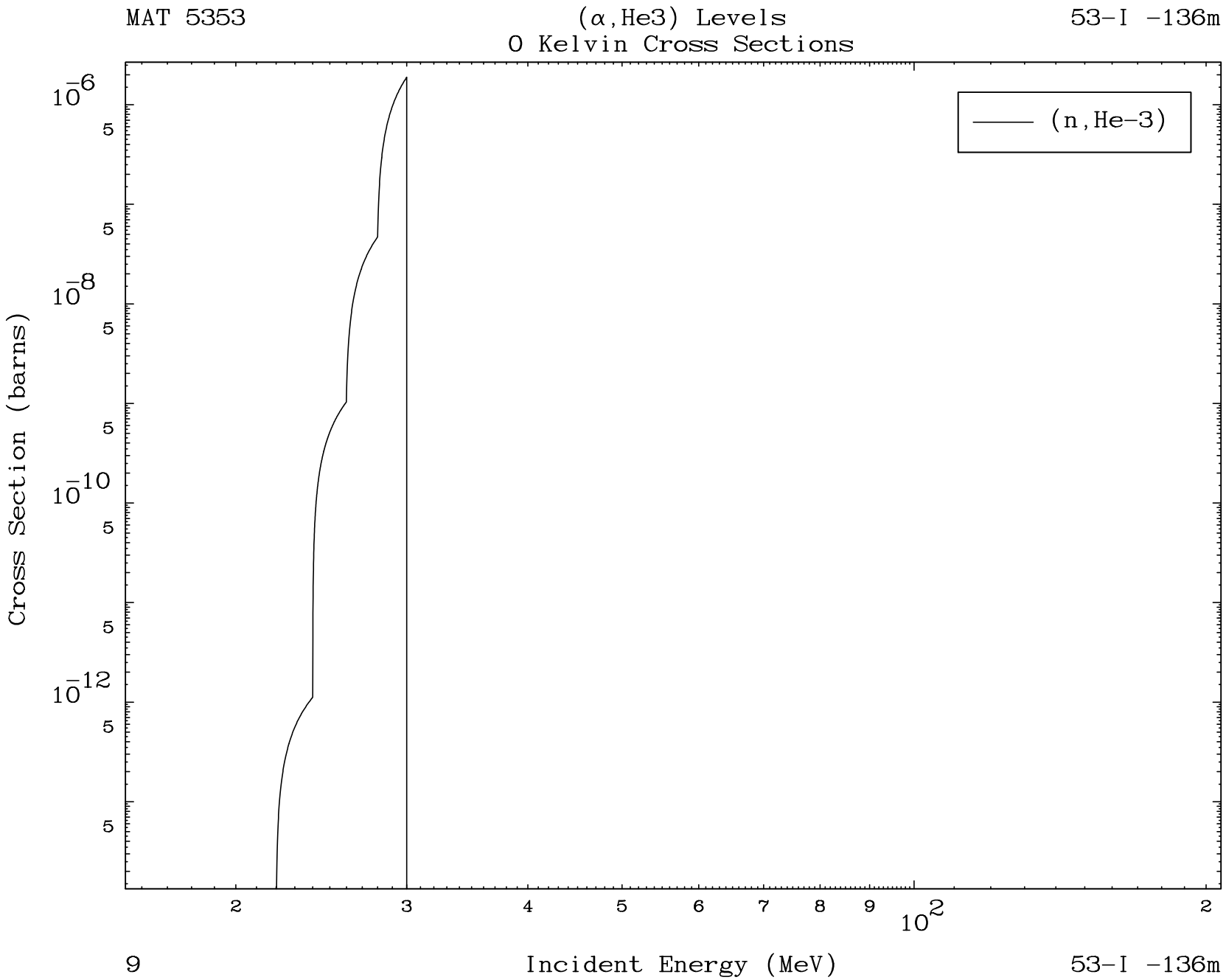

MAT 5353
α Charged Particle
0 Kelvin Cross Sections
53-I -136m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
53-I -136m

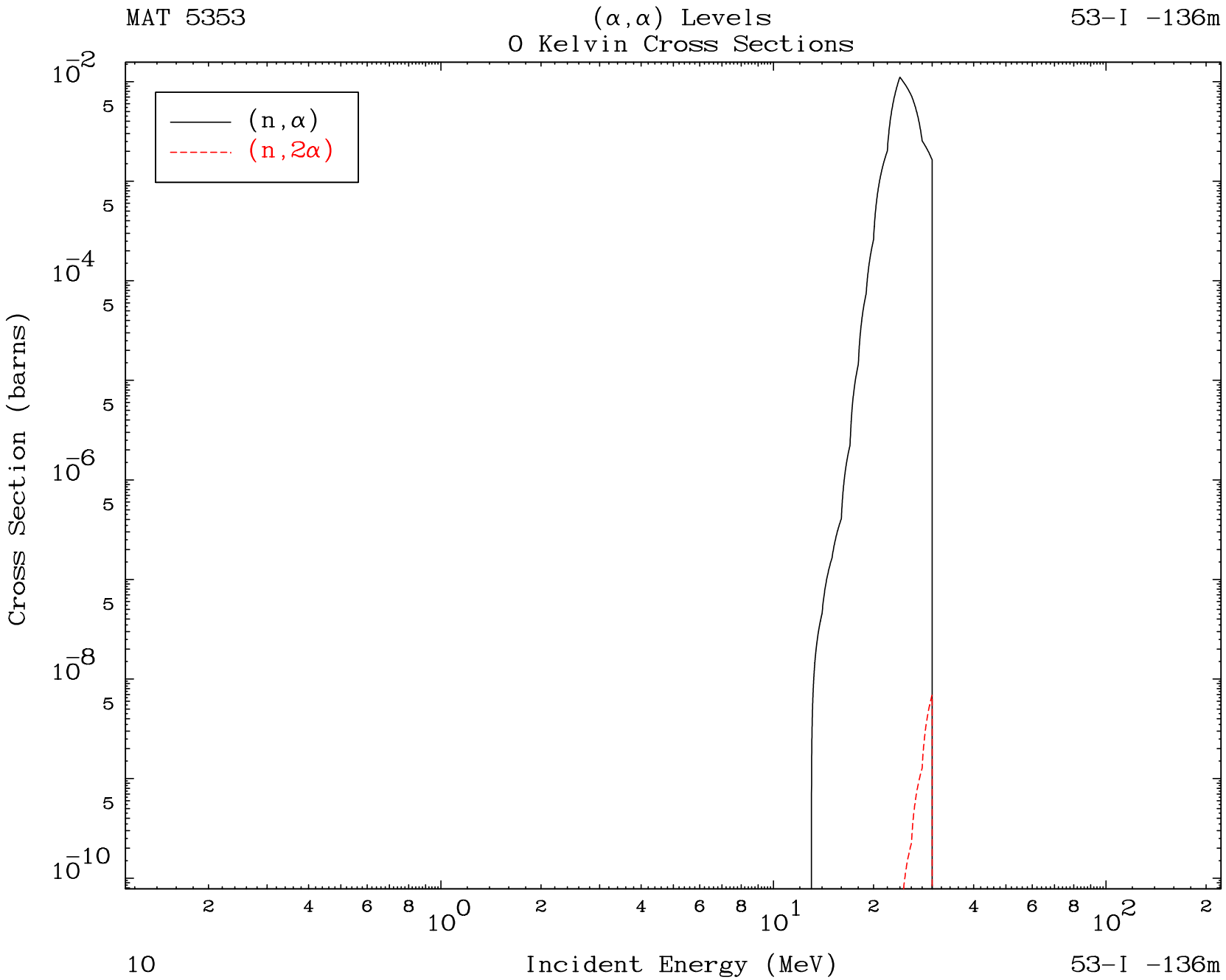

MAT 5353
α Charged Particle
0 Kelvin Cross Sections
53-I -136m
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
53-I -136m

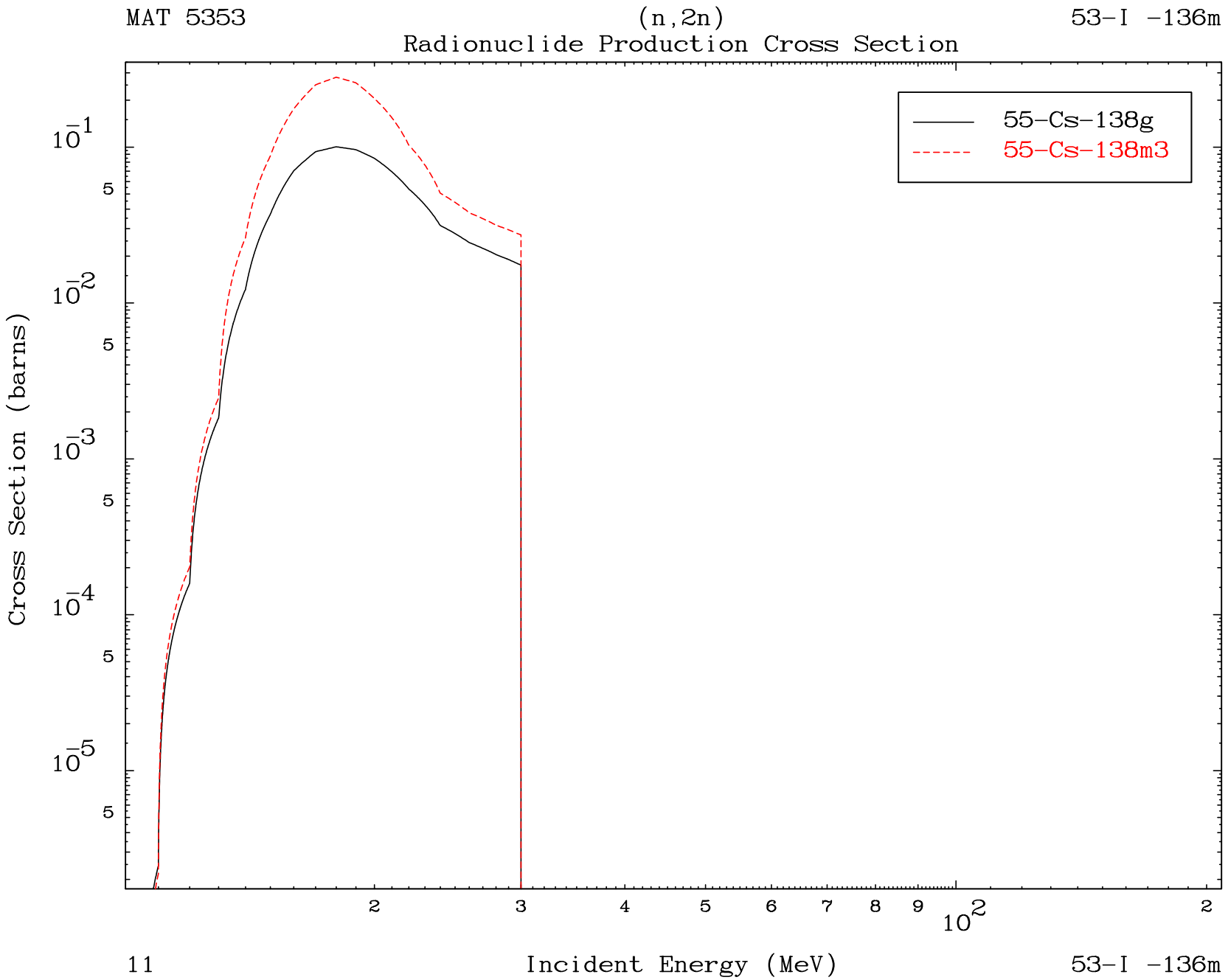

MAT 5353
(α,p) Levels
53-I -136m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
53-I -136m

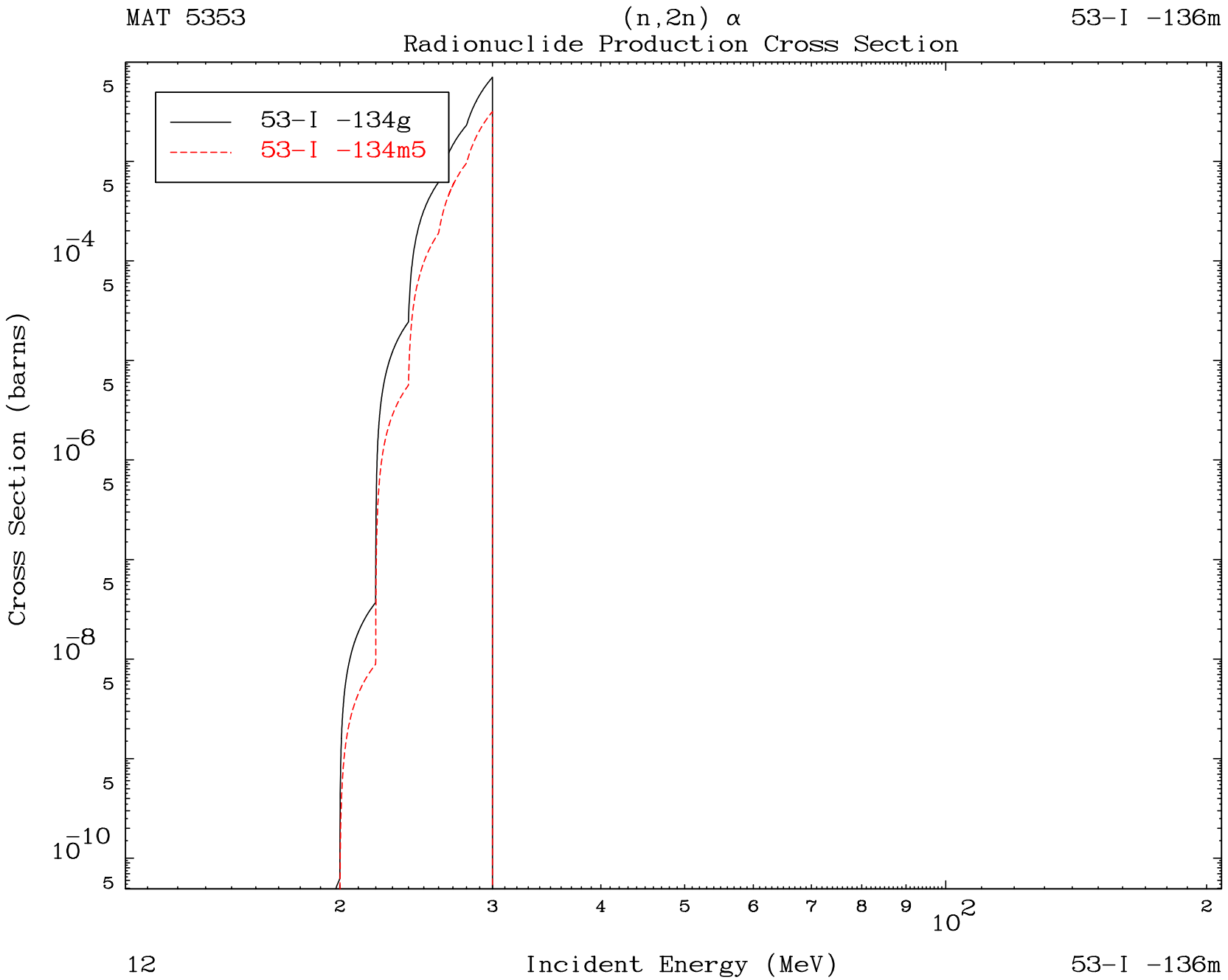

MAT 5353
(α,d) Levels
53-I -136m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
53-I -136m

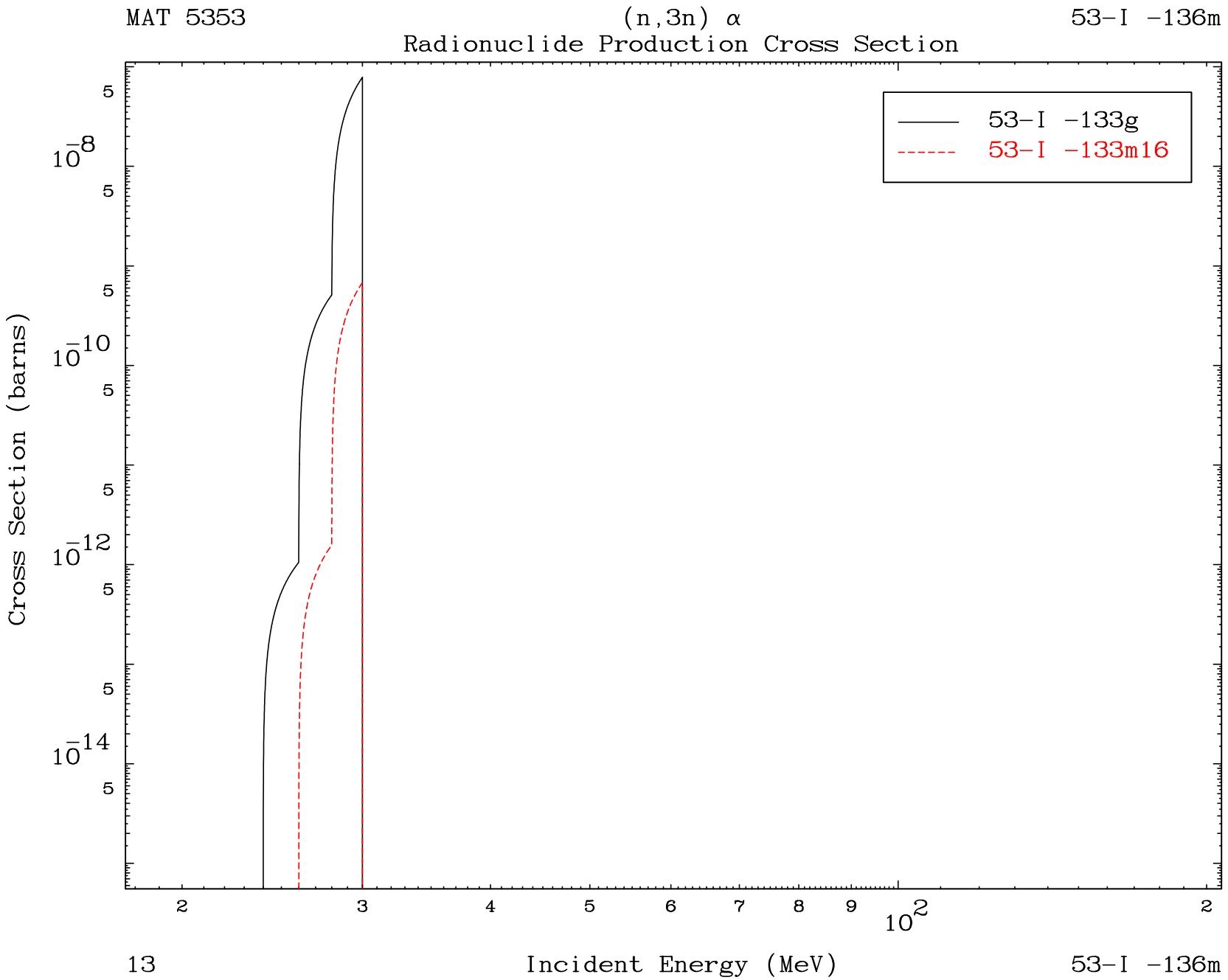

MAT 5353
(α,t) Levels
53-I -136m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
53-I -136m

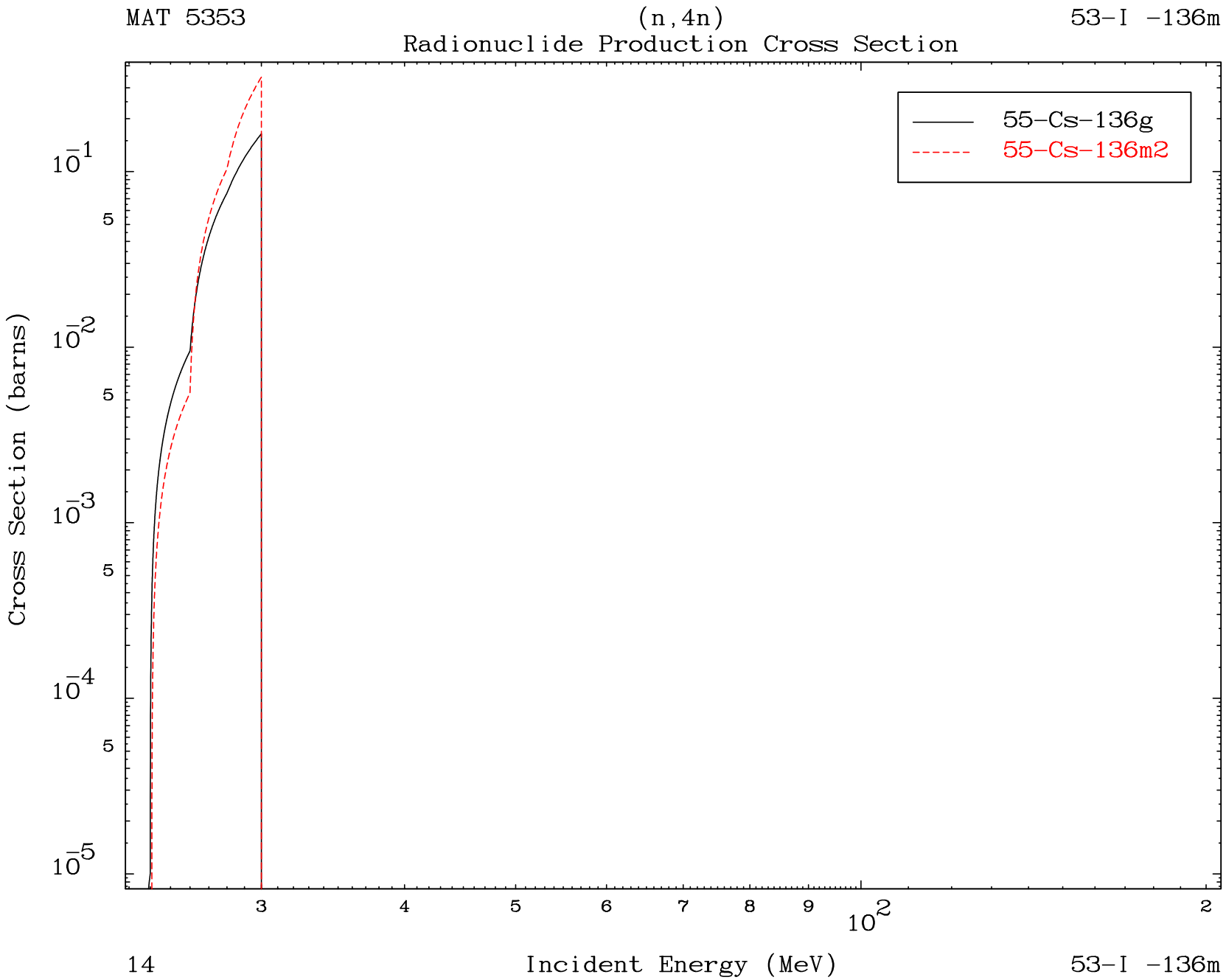

MAT 5353
(α,He3) Levels
53-I -136m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
53-I -136m

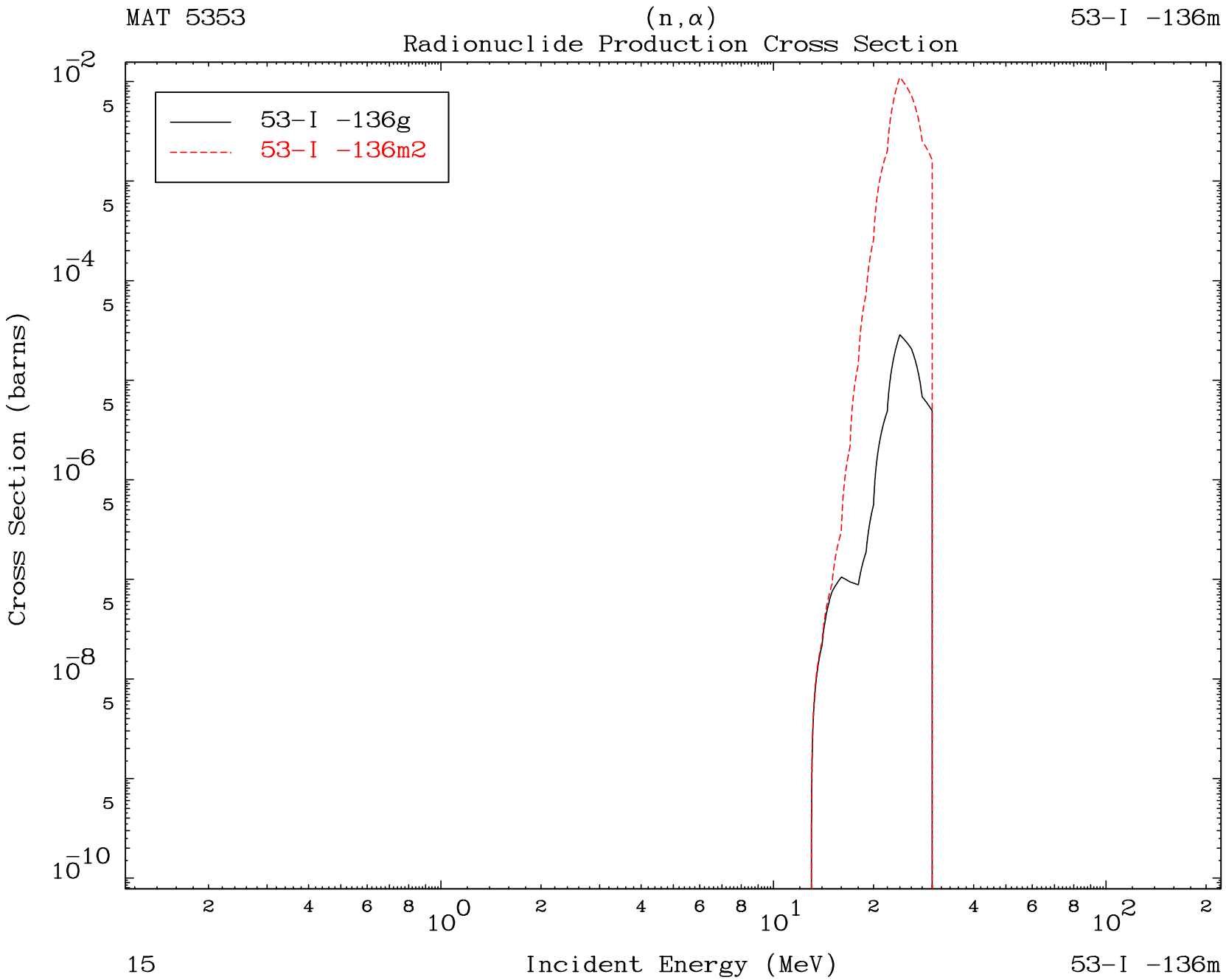

MAT 5353
(α,α) Levels
53-I -136m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
53-I -136m

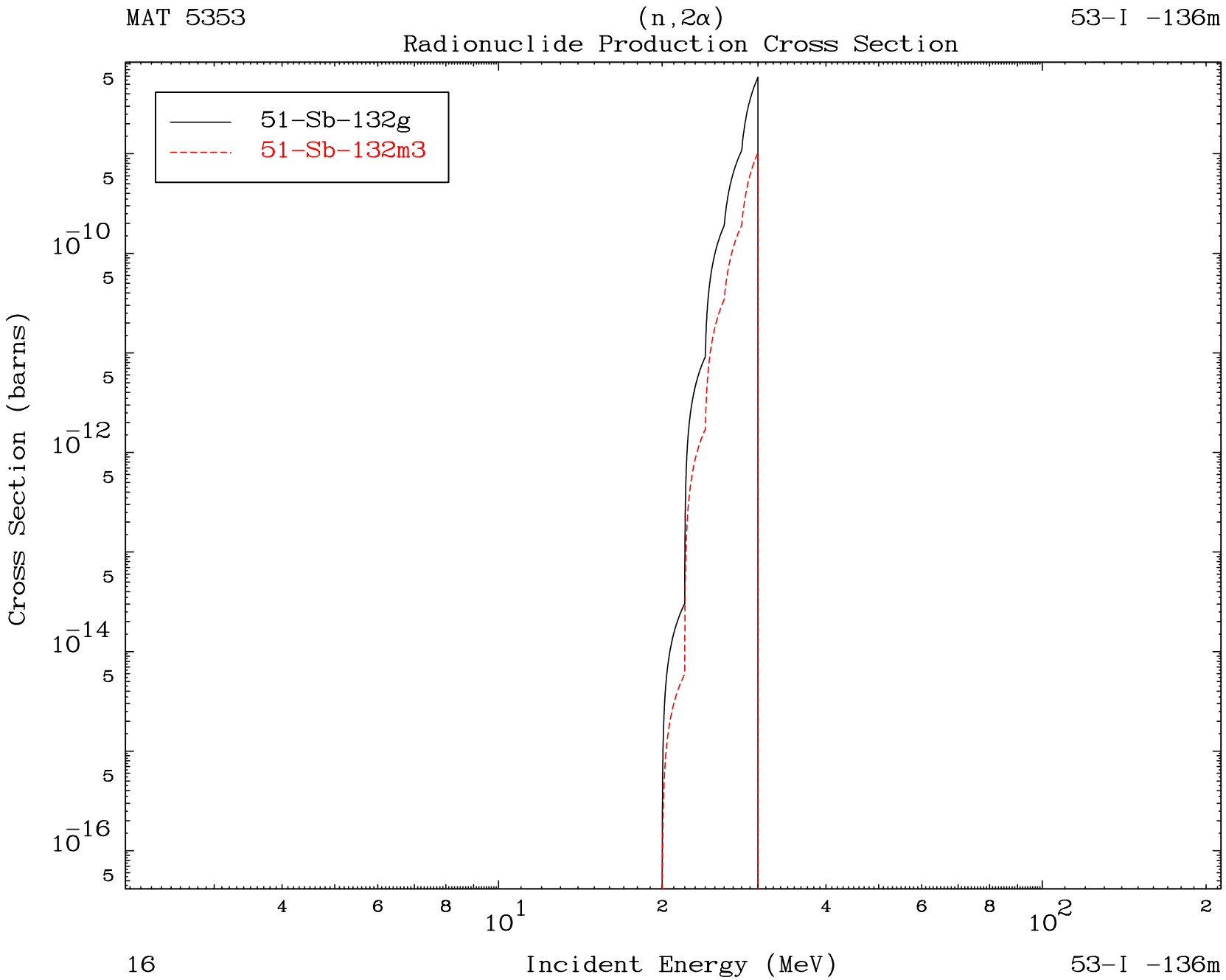

MAT 5353
(n,2n)
53-I -136m
Radionuclide Production Cross Section
55-Cs-138g
55-Cs-138m3
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
53-I -136m


MAT 5353
(n,2n) α
53-I -136m
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
12
53-I -136m


MAT 5353
(n,3n) α
53-I -136m
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
10-8
10-10
10-12
10-14
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
53-I -136m


MAT 5353
(n,4n)
53-I -136m
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
53-I -136m


MAT 5353
(n,α)
53-I -136m
Radionuclide Production Cross Section
53-I -136g
53-I -136m2
Cross Section (barns)
Incident Energy (MeV)
15
53-I -136m


MAT 5353
(n,2α)
53-I -136m
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m3
Cross Section (barns)
Incident Energy (MeV)
16
53-I -136m