Program EVALPLOT
(Version 2018-1)
by
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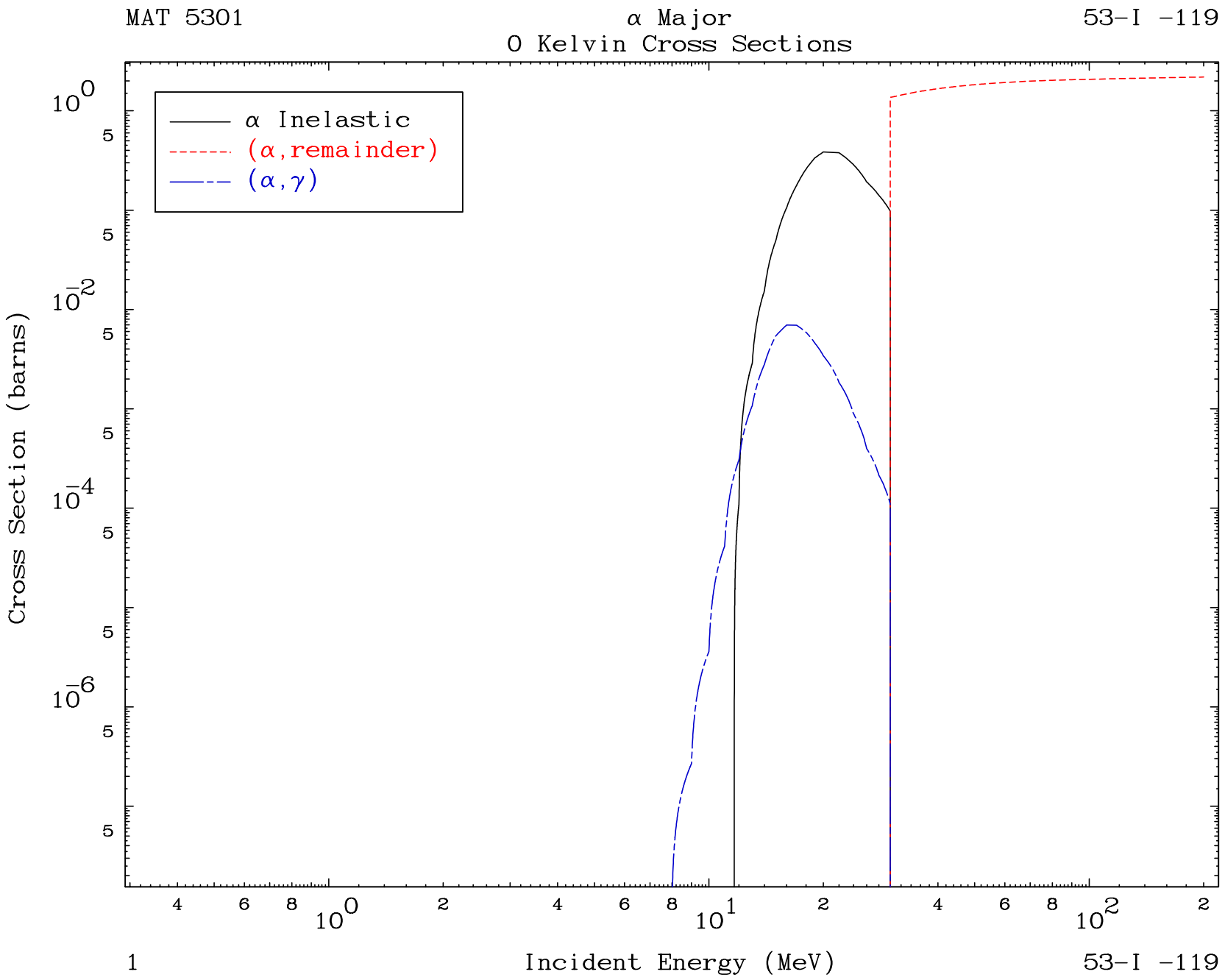
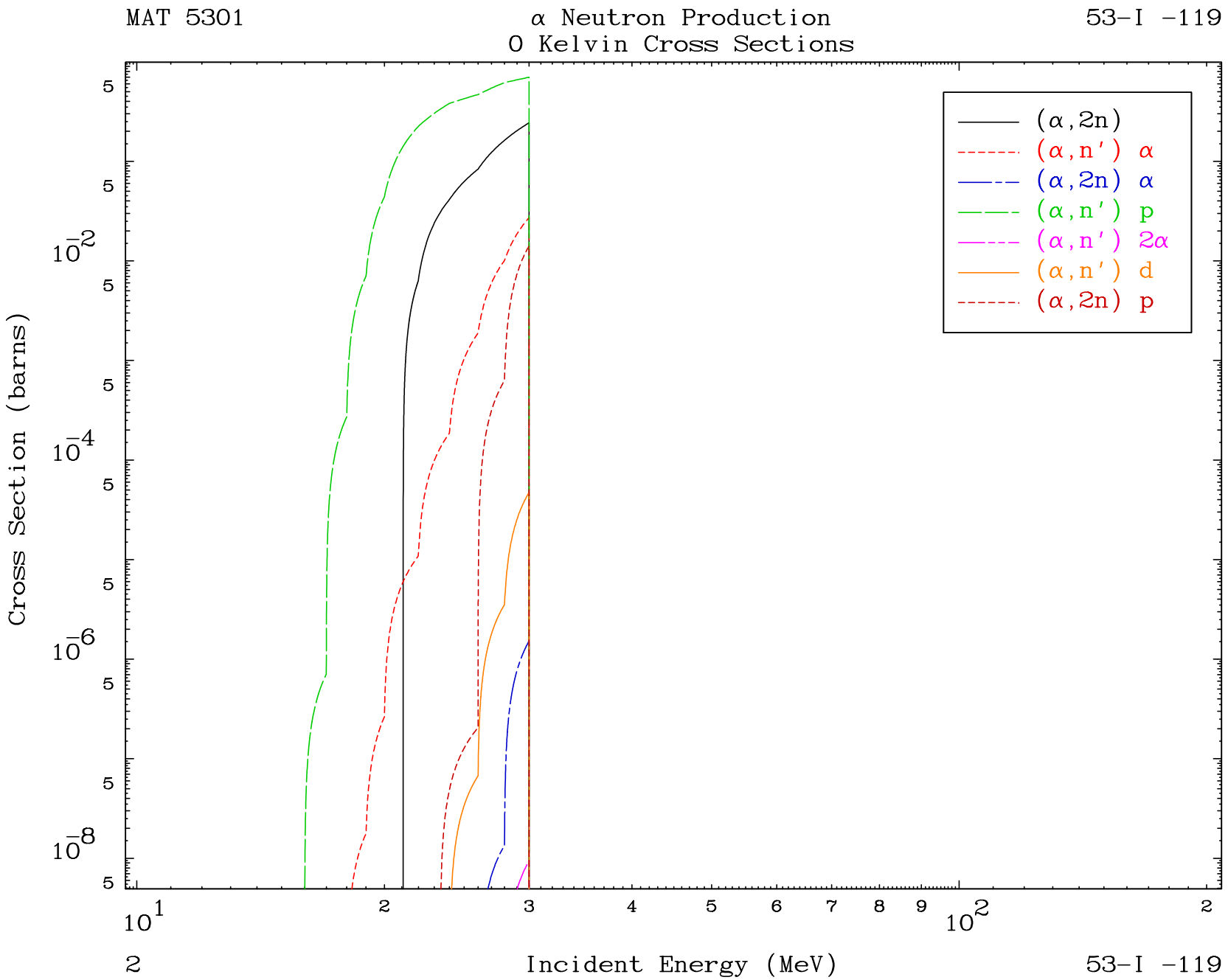
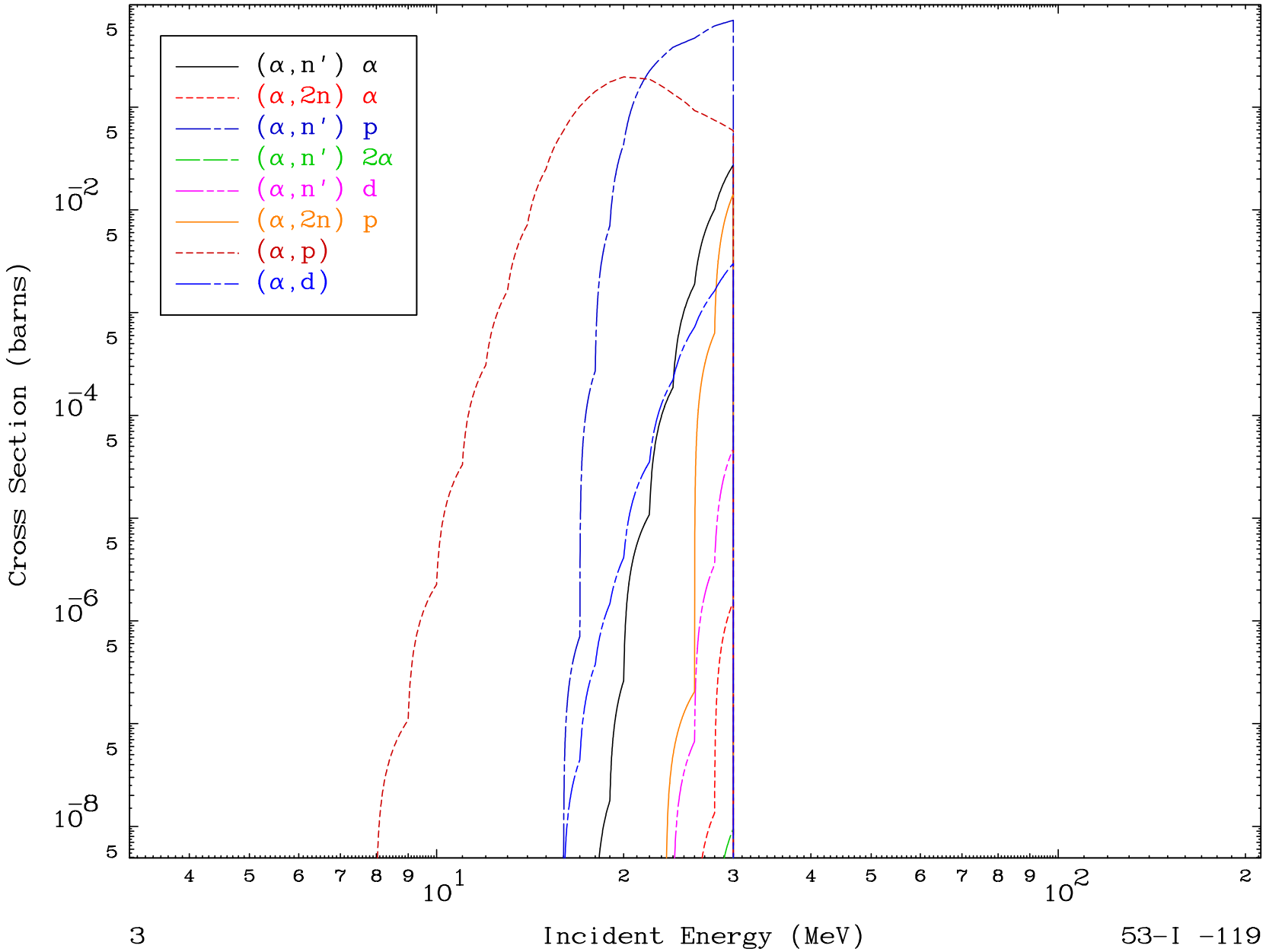
Press Mouse Button to Start

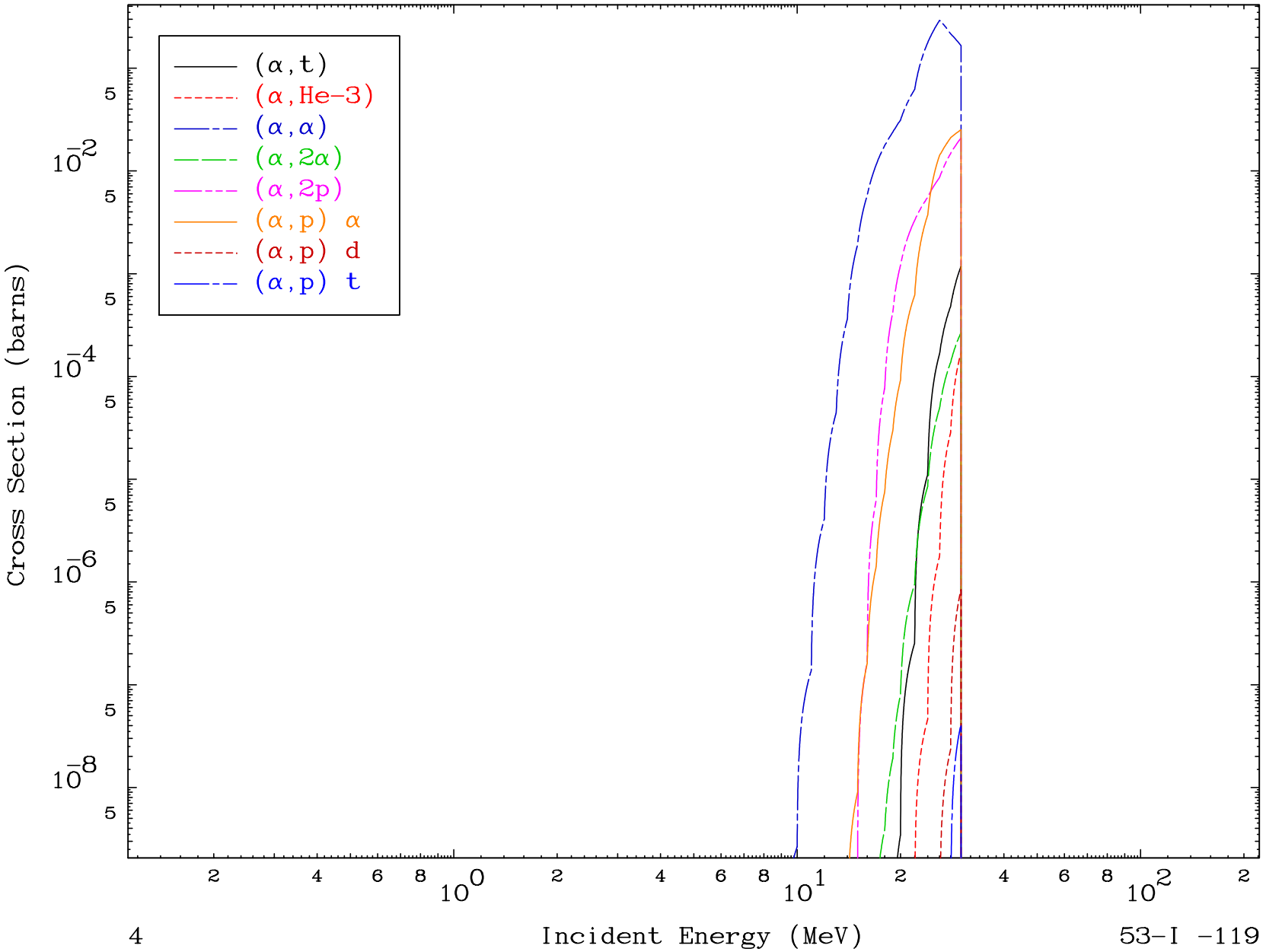

MAT 5301
α Major
53-I -119
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -119


MAT 5301
α Neutron Production
0 Kelvin Cross Sections
53-I -119
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
53-I -119

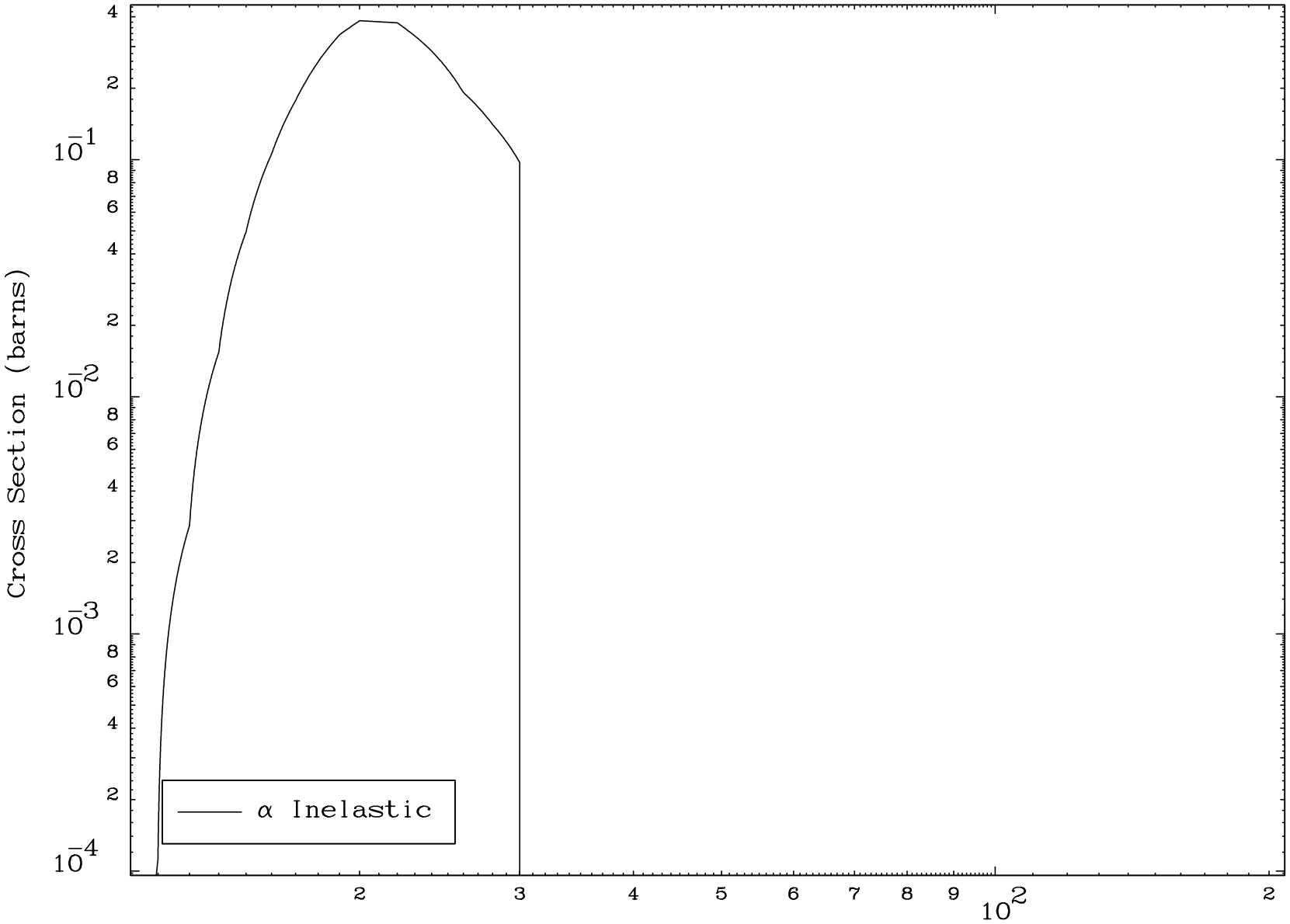
0 Kelvin Cross Sections



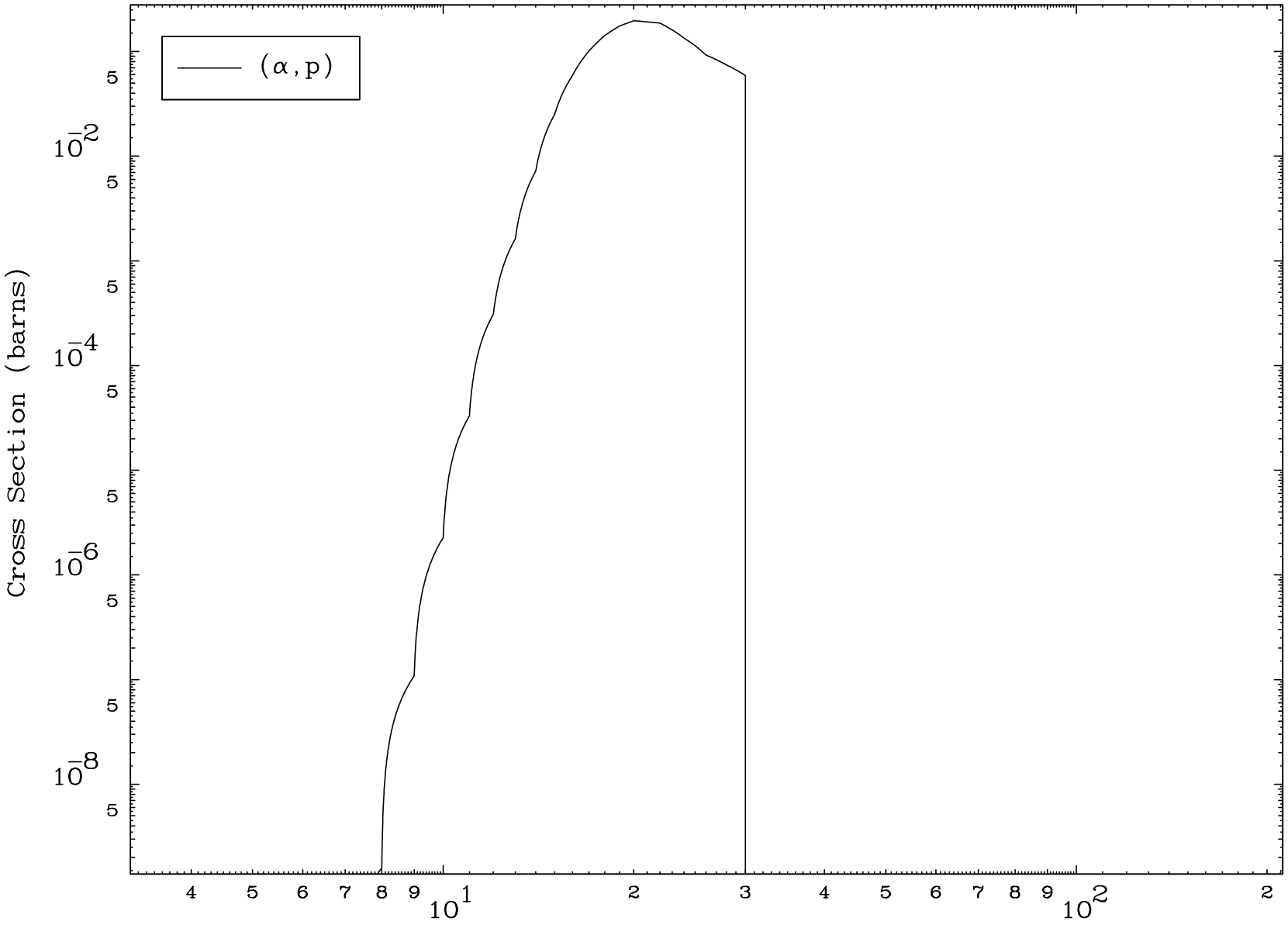
0 Kelvin Cross Sections



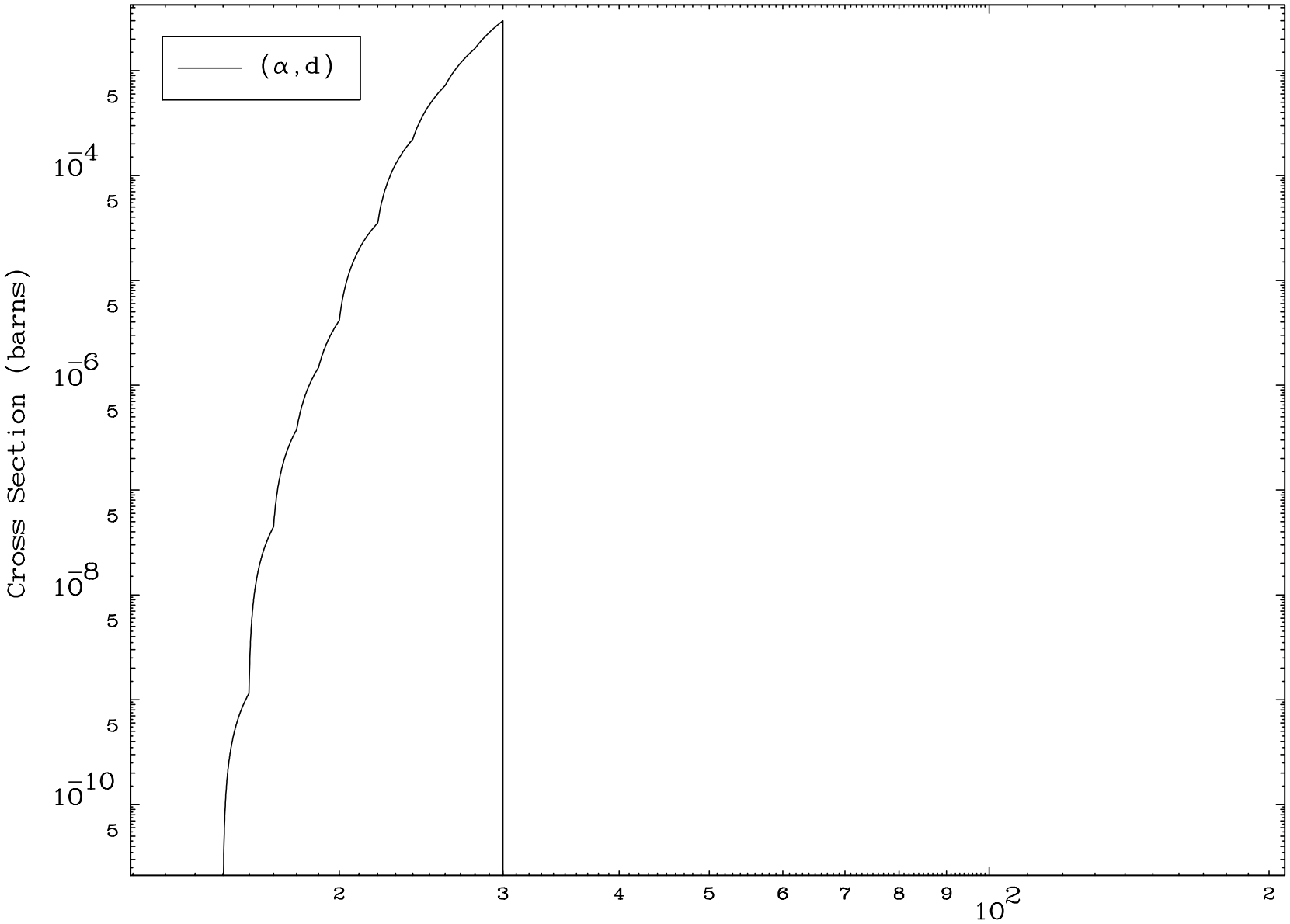
0 Kelvin Cross Sections



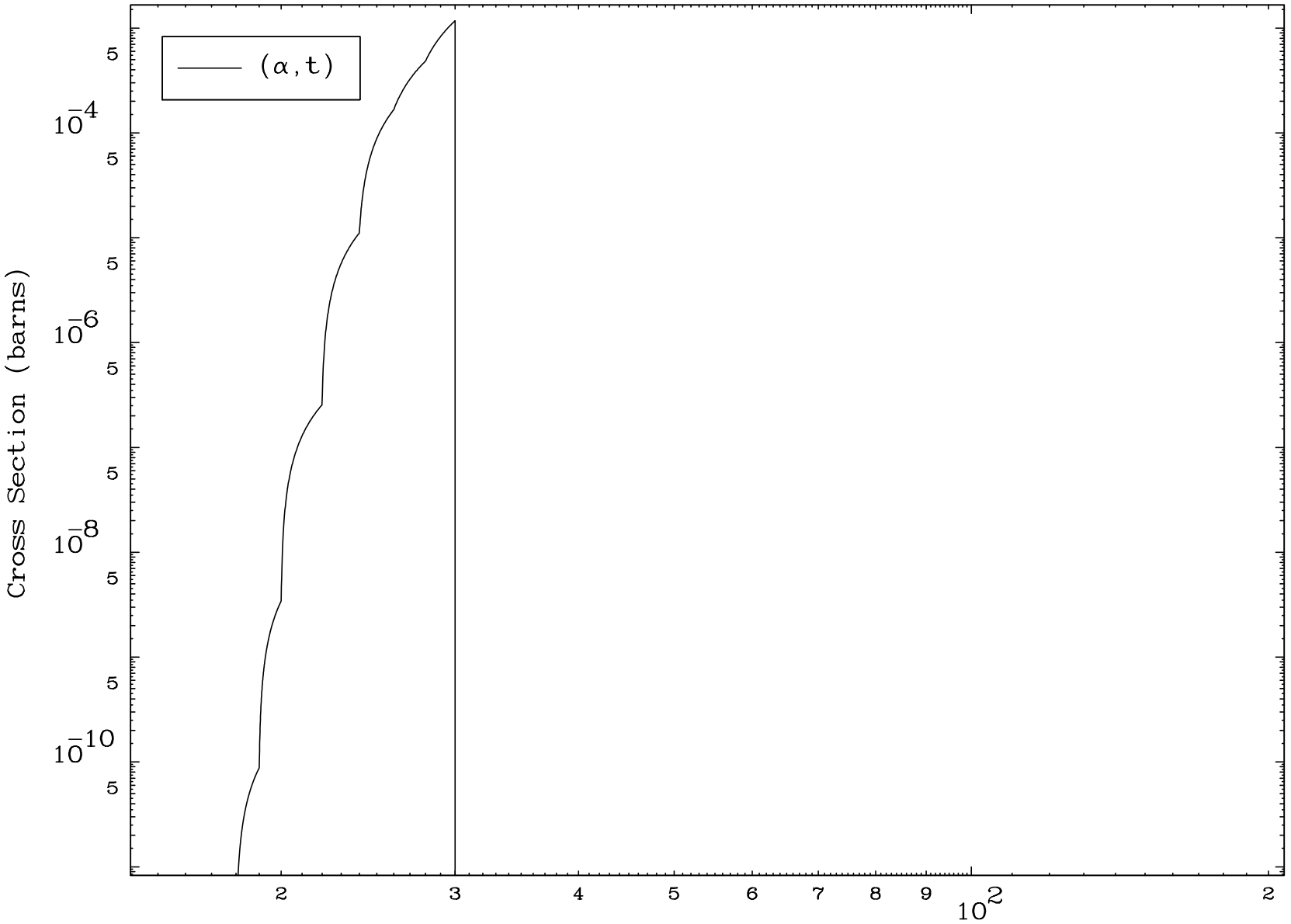
0 Kelvin Cross Sections

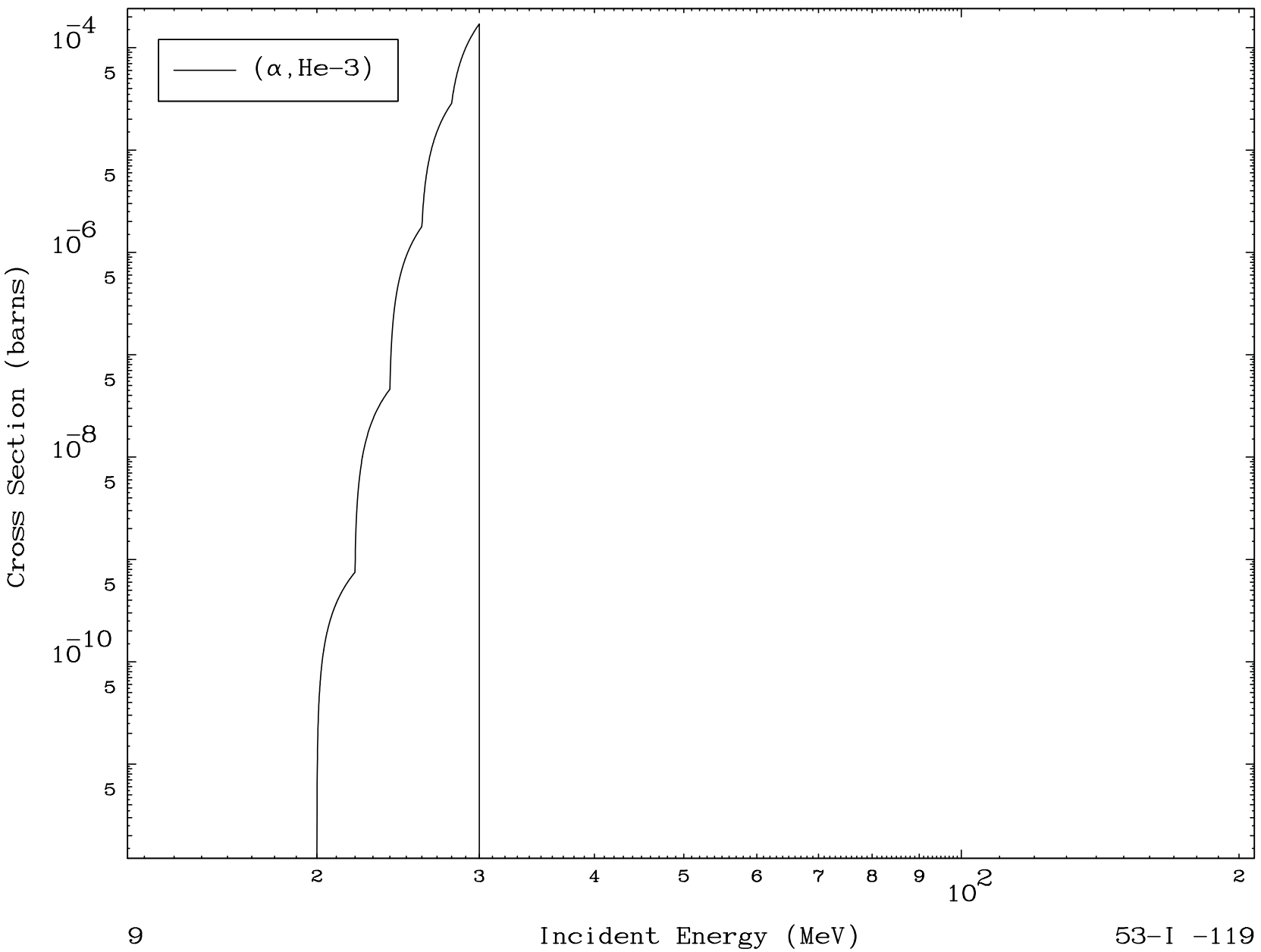


0 Kelvin Cross Sections

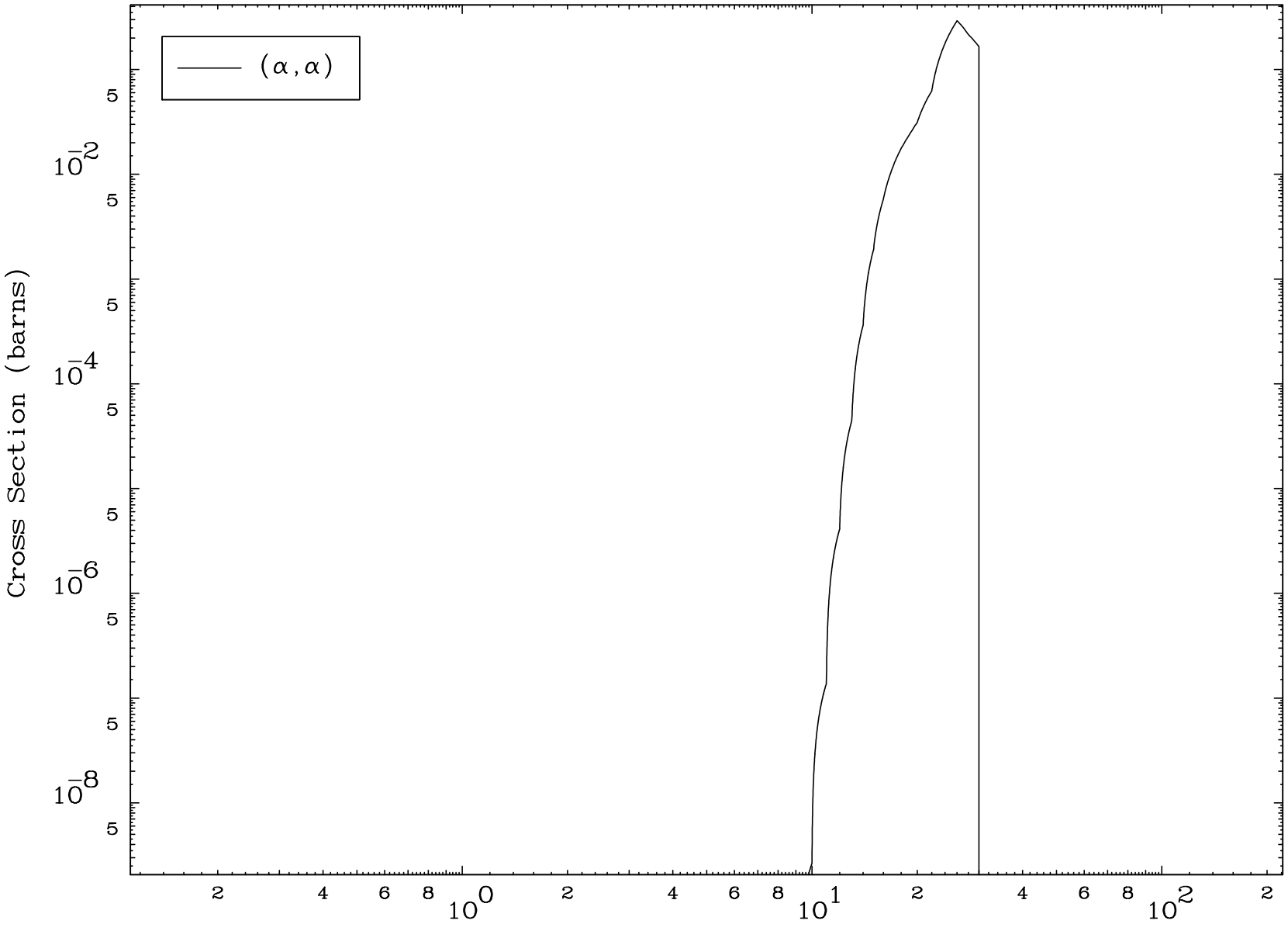


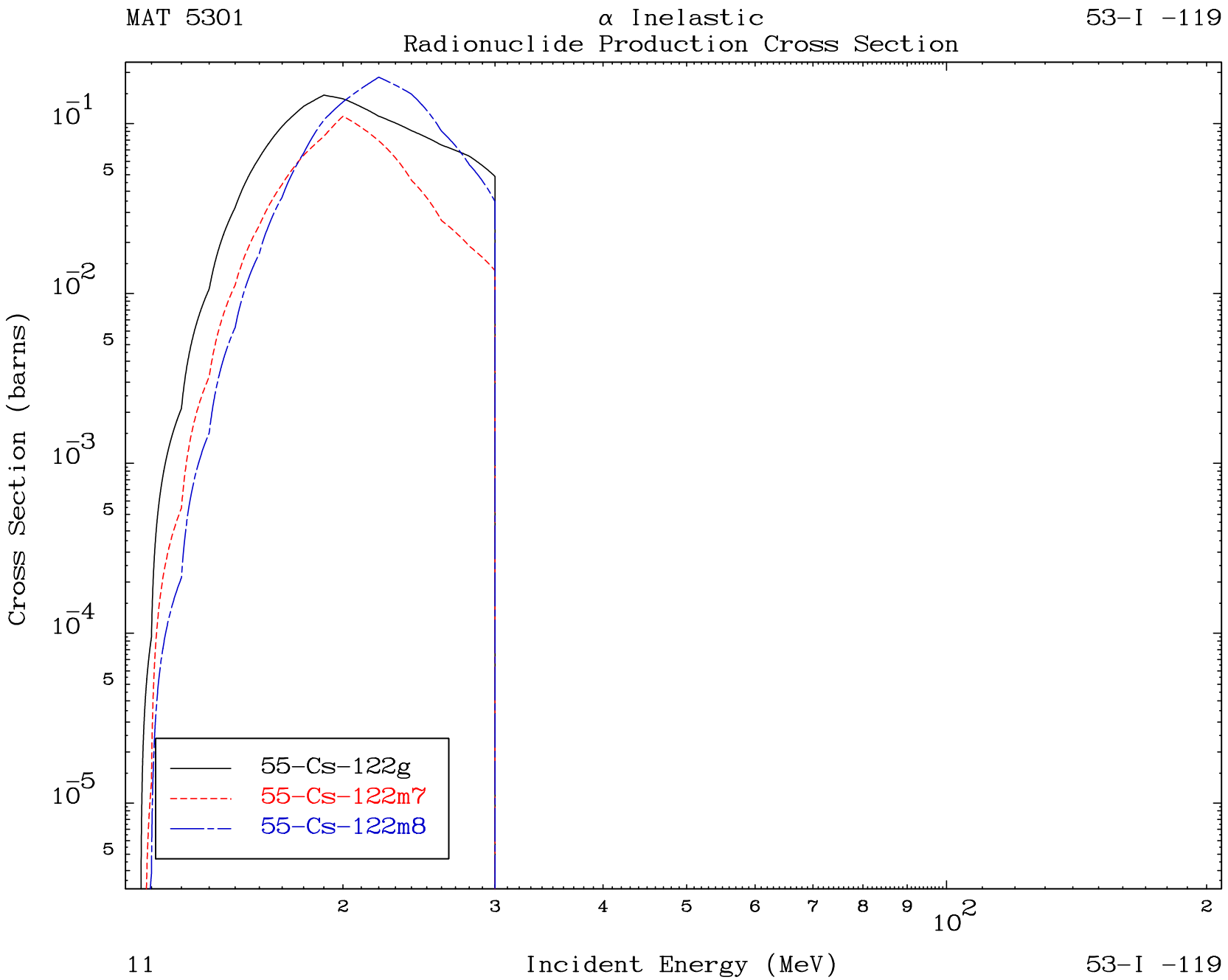
0 Kelvin Cross Sections

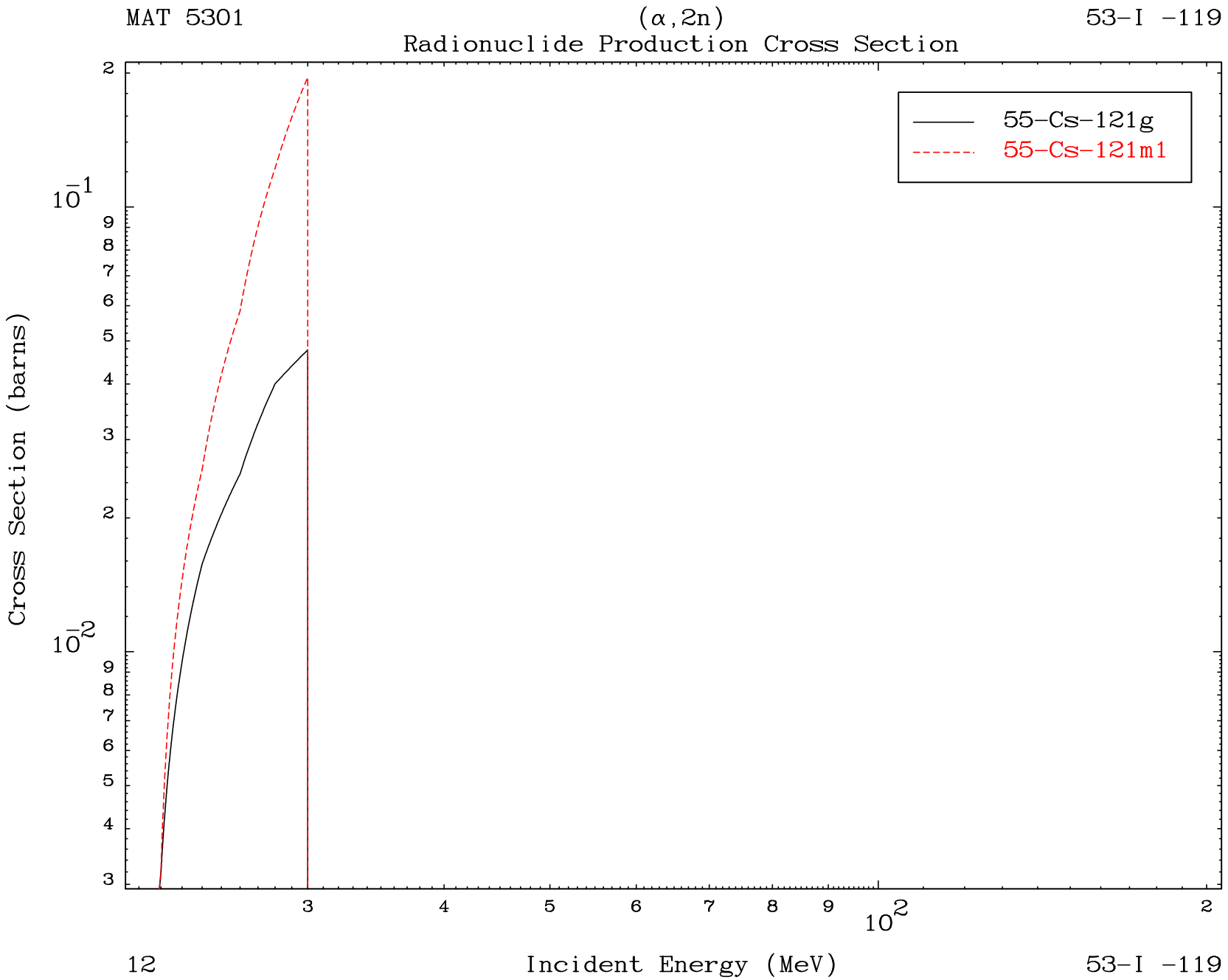


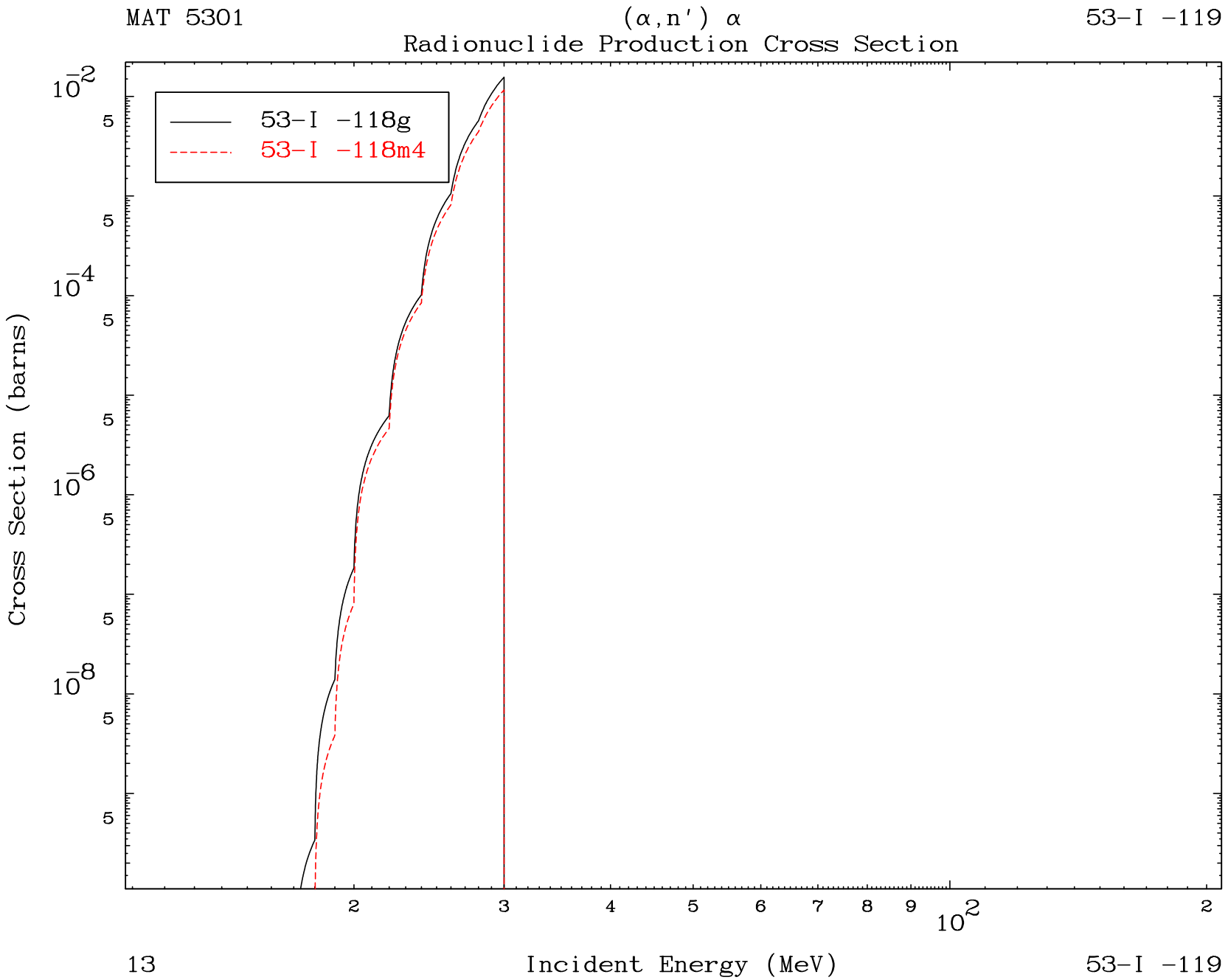

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

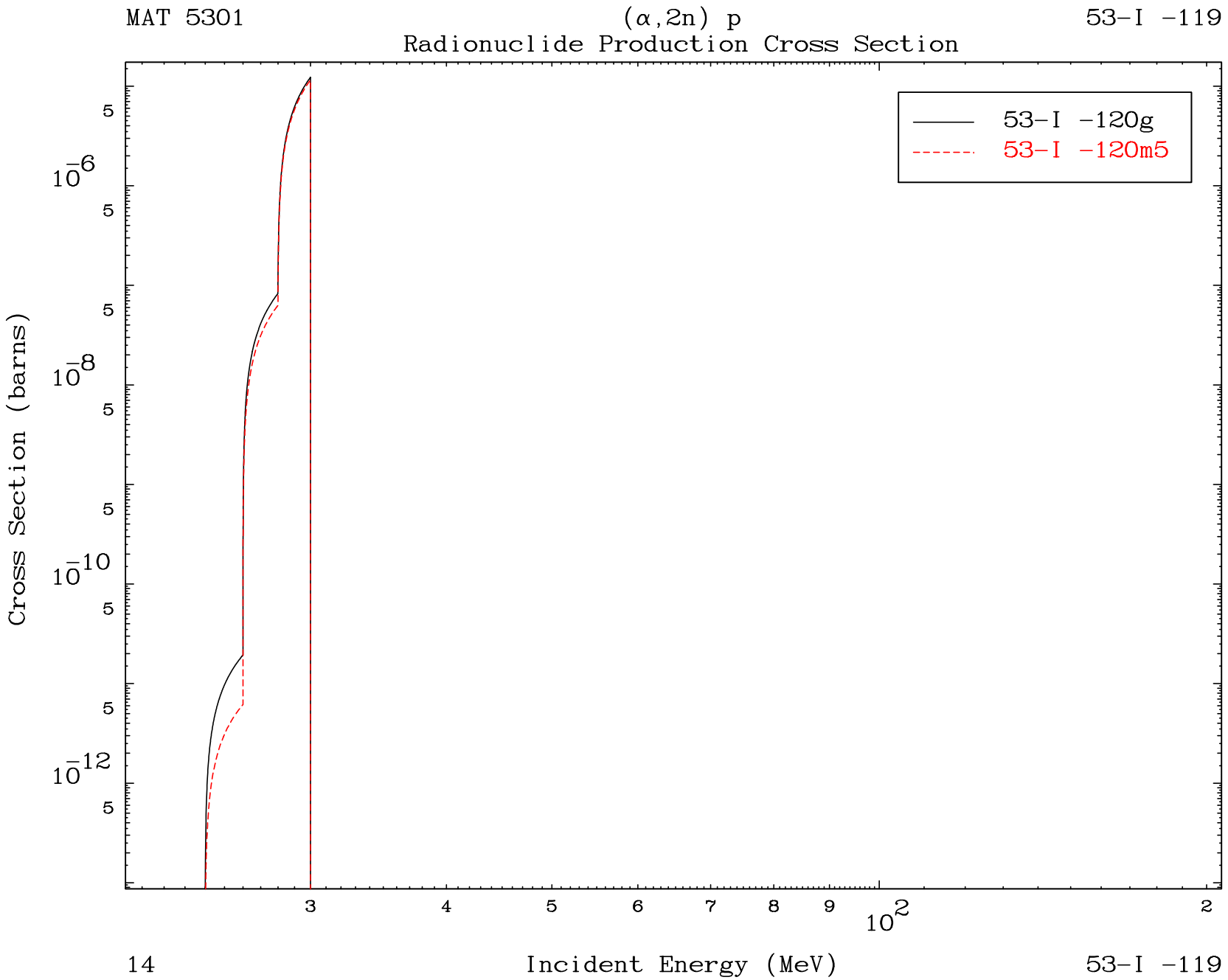
0 Kelvin Cross Sections

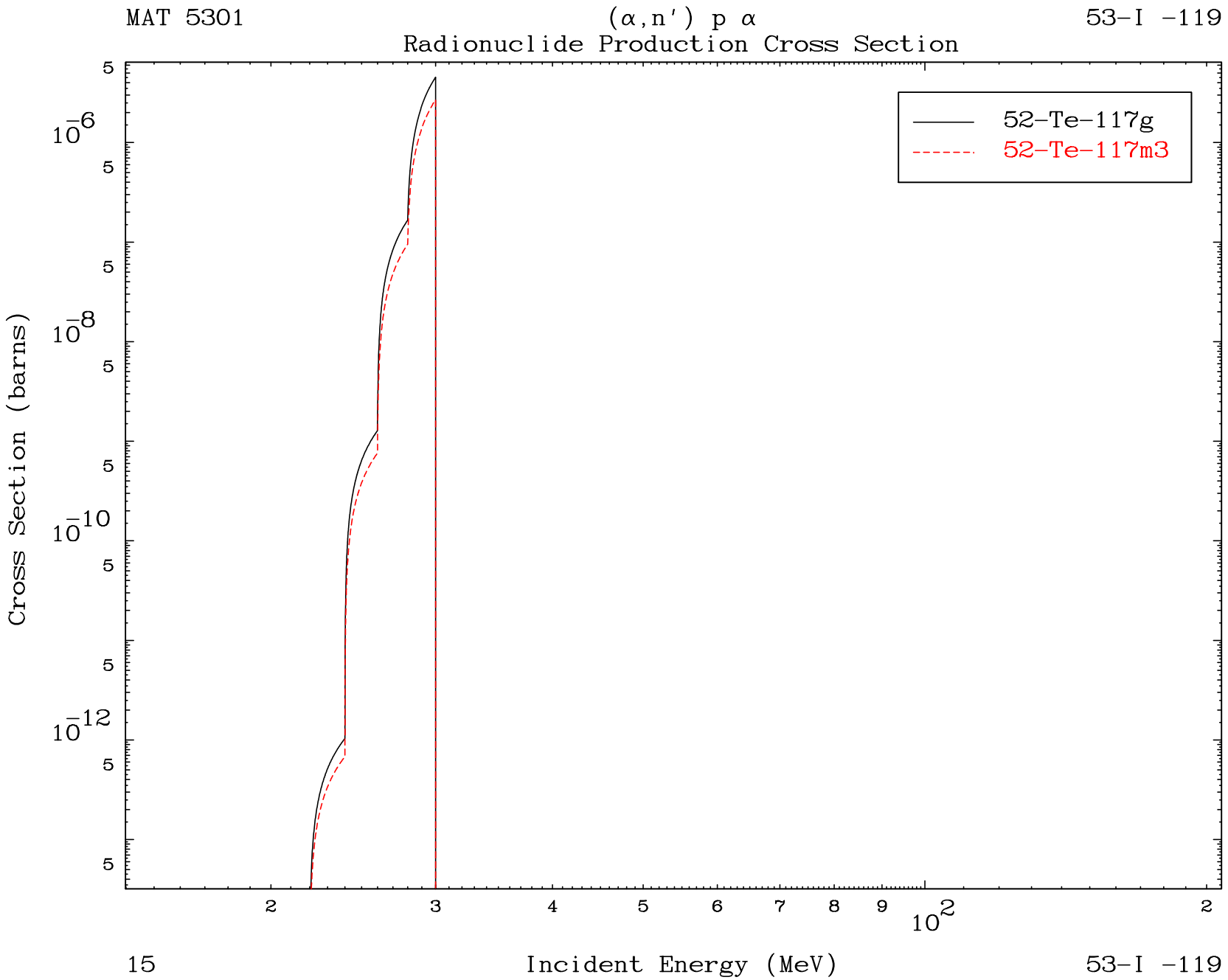


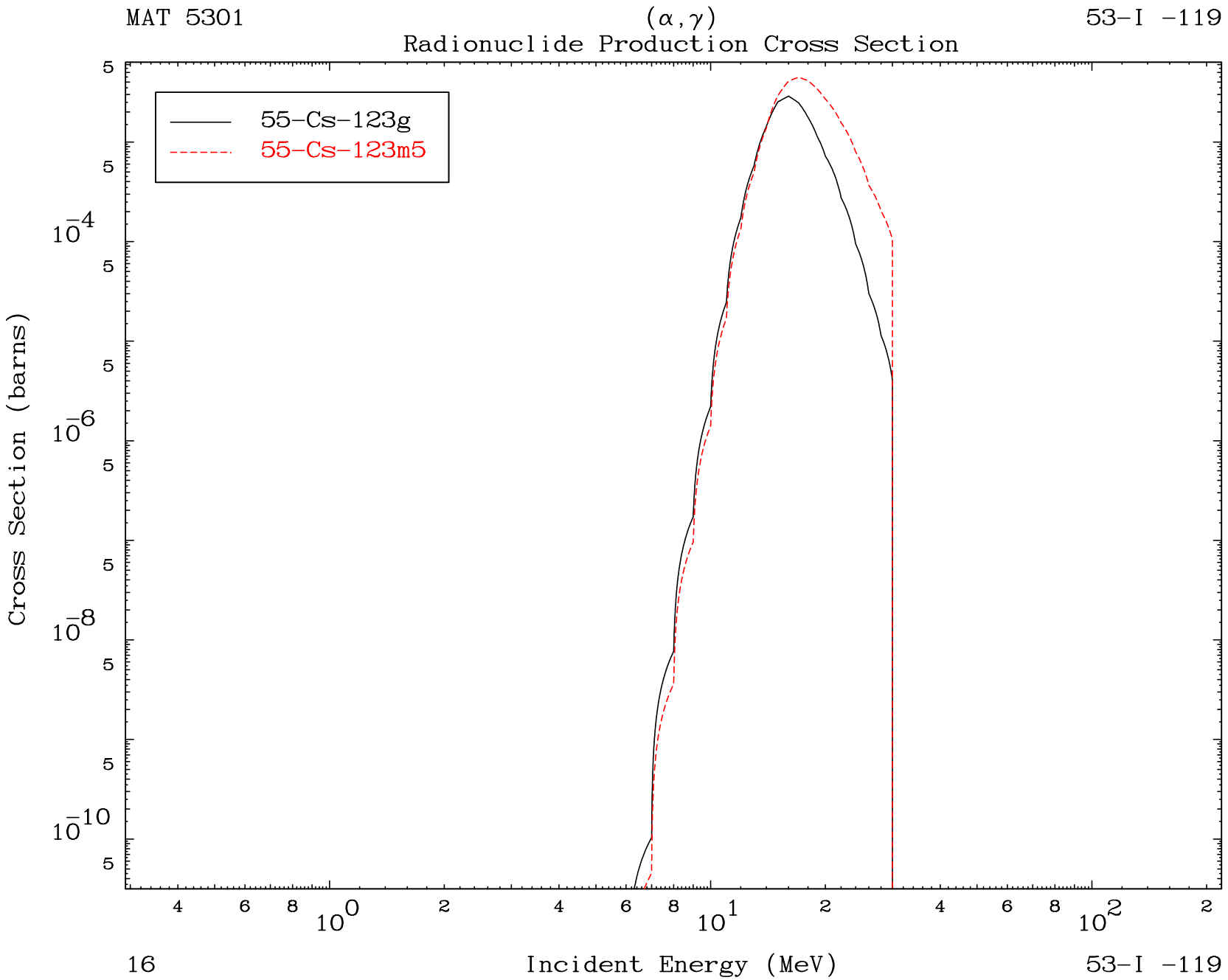

MAT 5301
α Inelastic
53-I -119
Radionuclide Production Cross Section
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
53-I -119

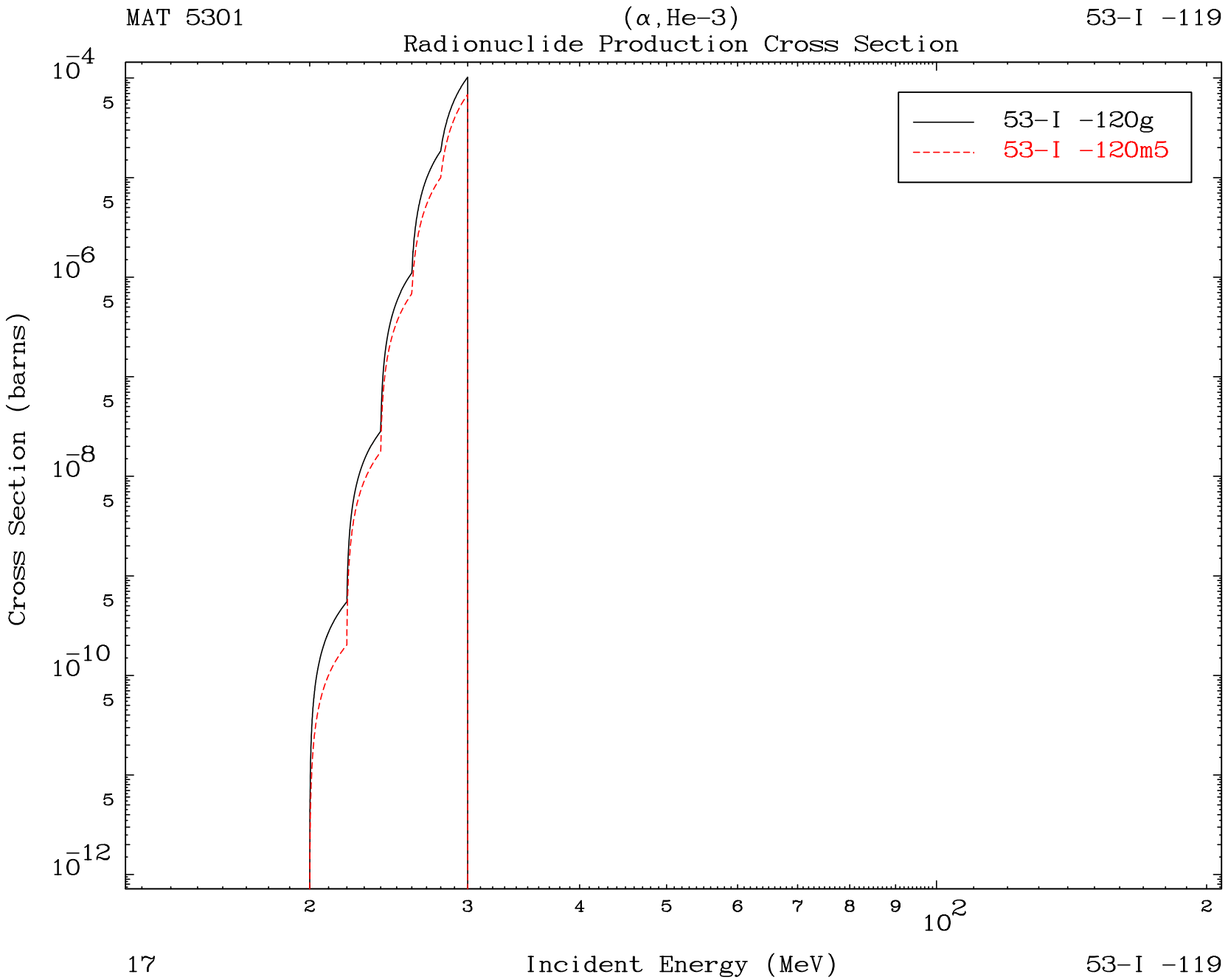

MAT 5301
(α,2n)
53-I -119
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
Incident Energy (MeV)
12
53-I -119

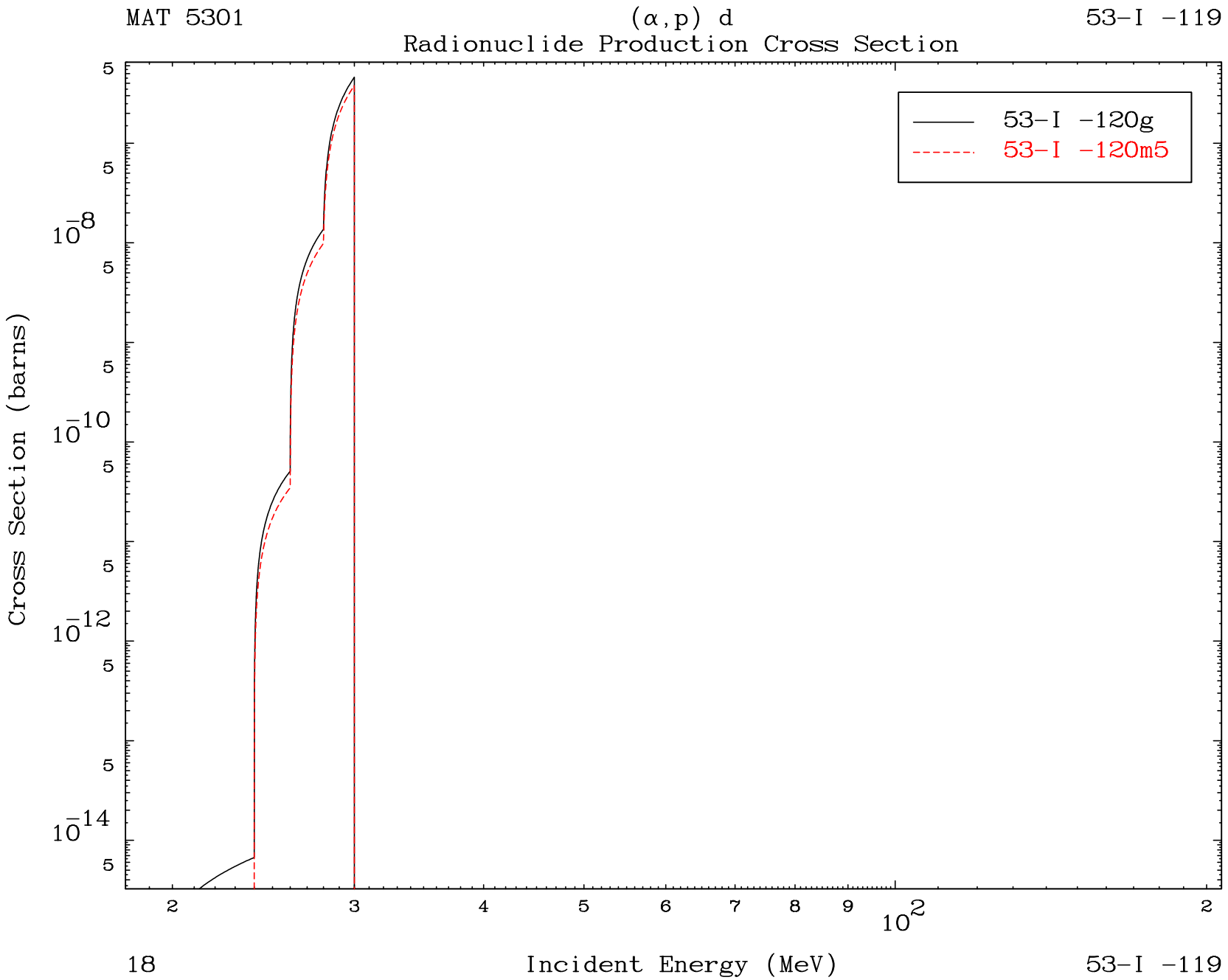

MAT 5301
(α,n') α
53-I -119
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
53-I -119

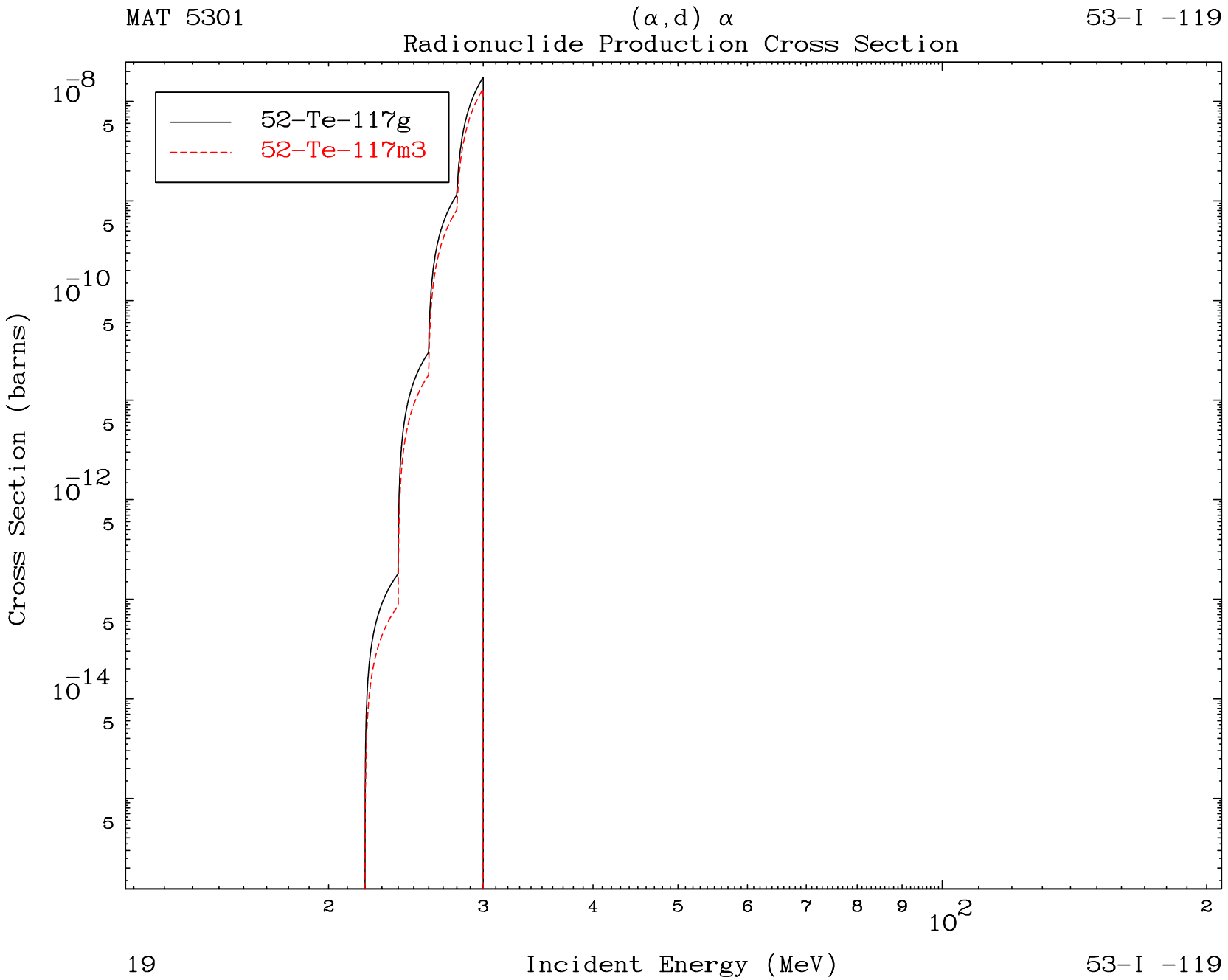

MAT 5301
(α,2n) p
53-I -119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
53-I -119


MAT 5301
(α,n') p α
53-I -119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
15
53-I -119


MAT 5301
(α,γ)
53-I -119
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
Incident Energy (MeV)
16
53-I -119


MAT 5301
(α,He-3)
53-I -119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
53-I -119


MAT 5301
(α,p) d
53-I -119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
Incident Energy (MeV)
18
53-I -119


MAT 5301
(α,d) α
53-I -119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
53-I -119