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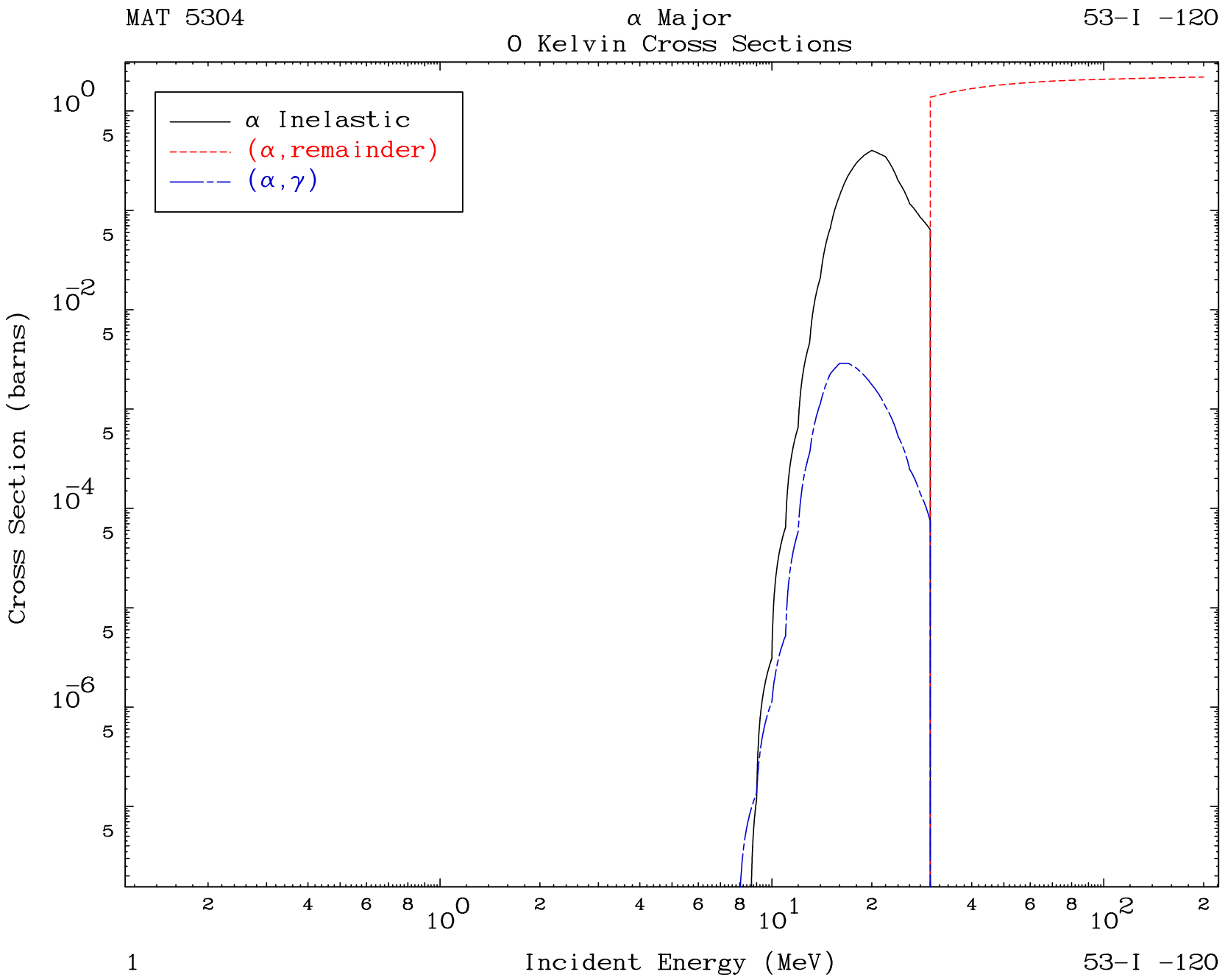
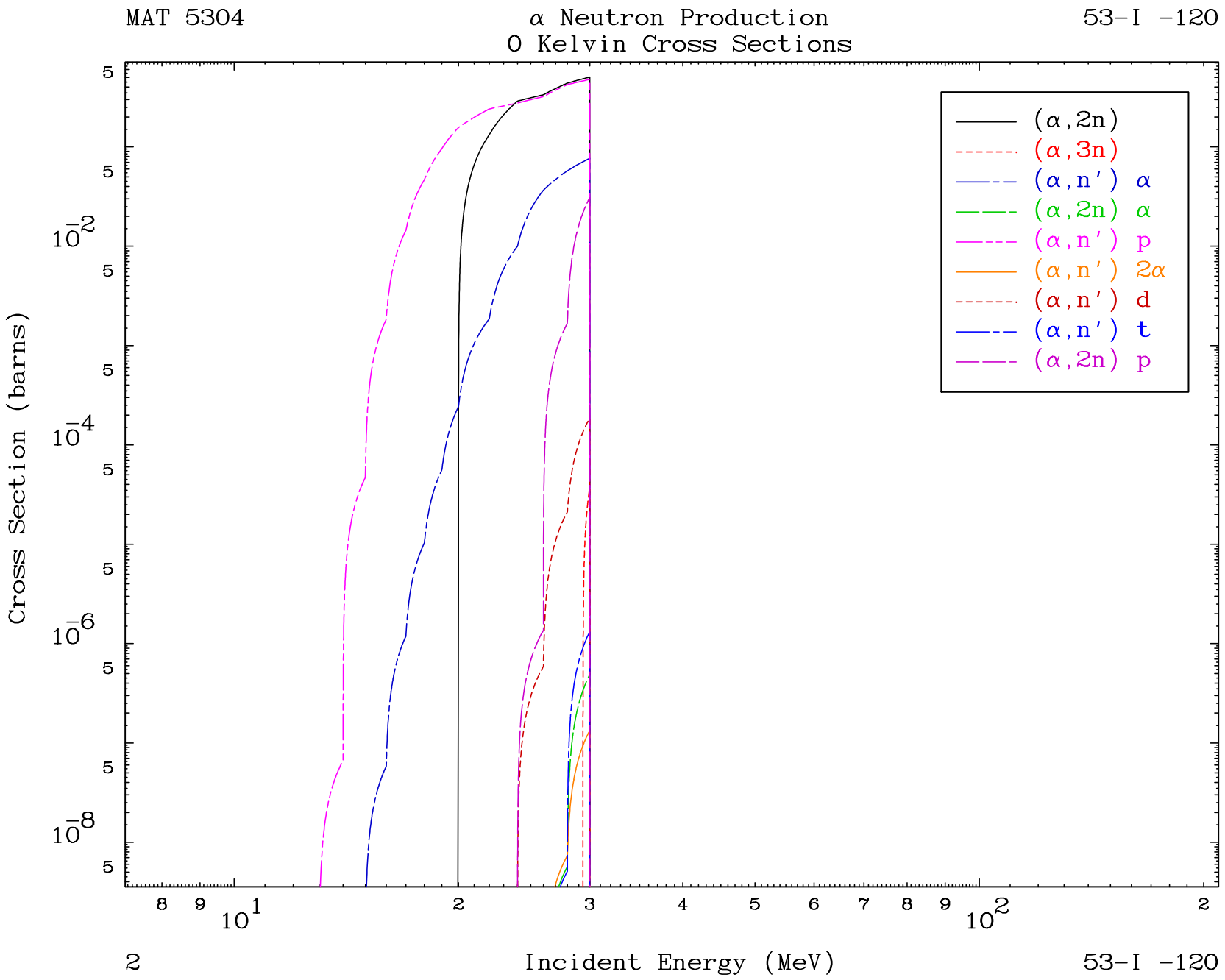
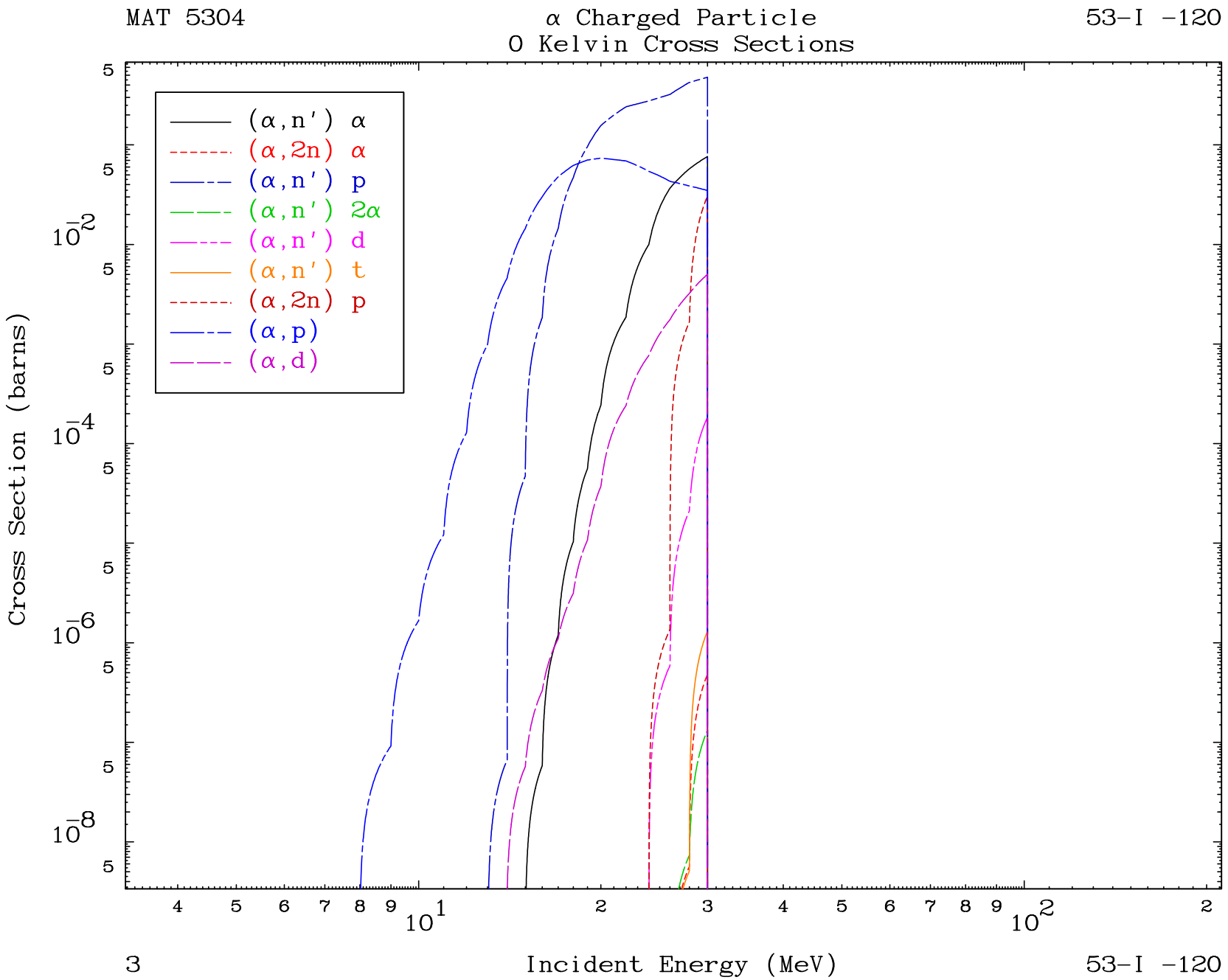
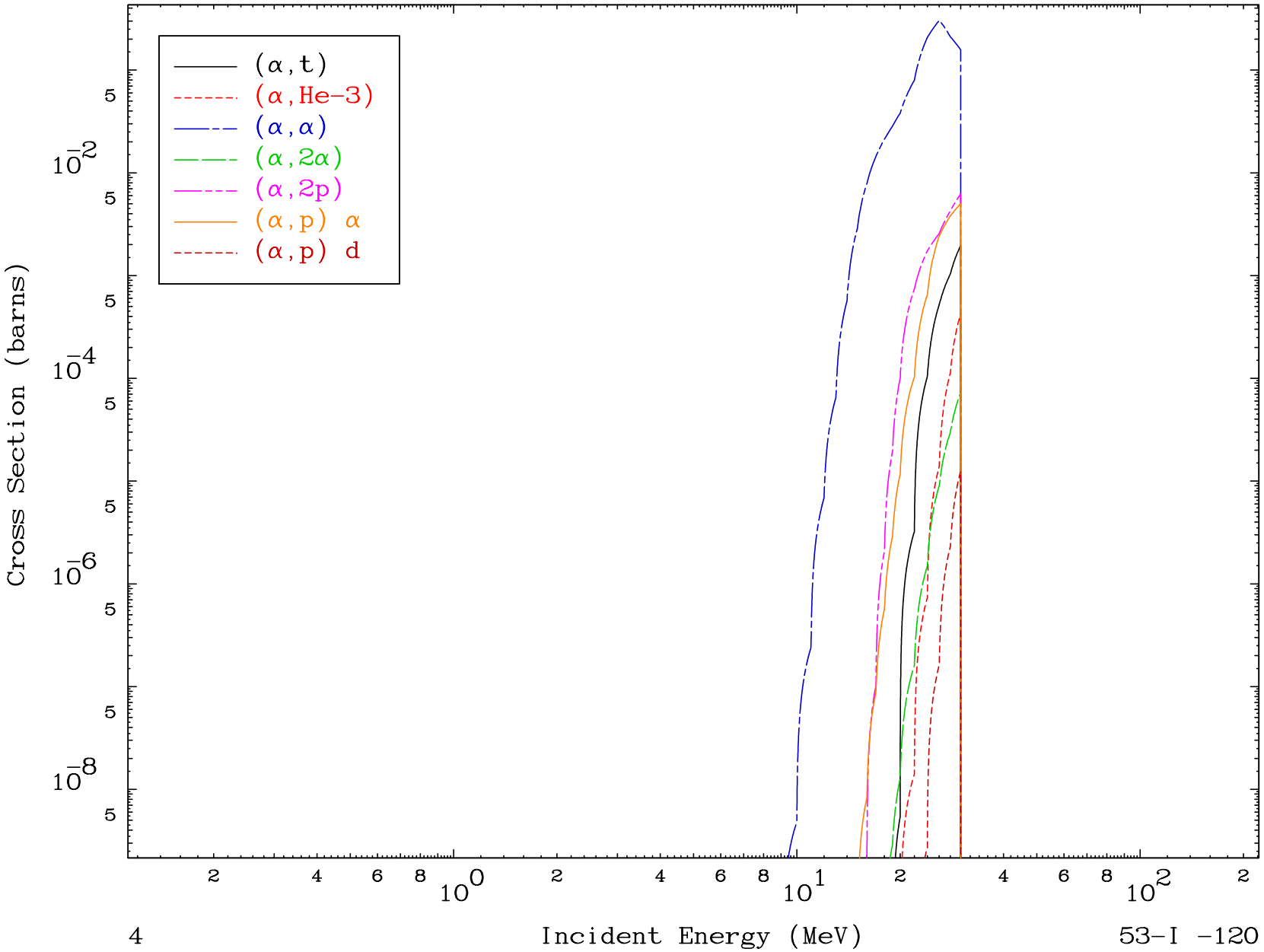
Press Mouse Button to Start

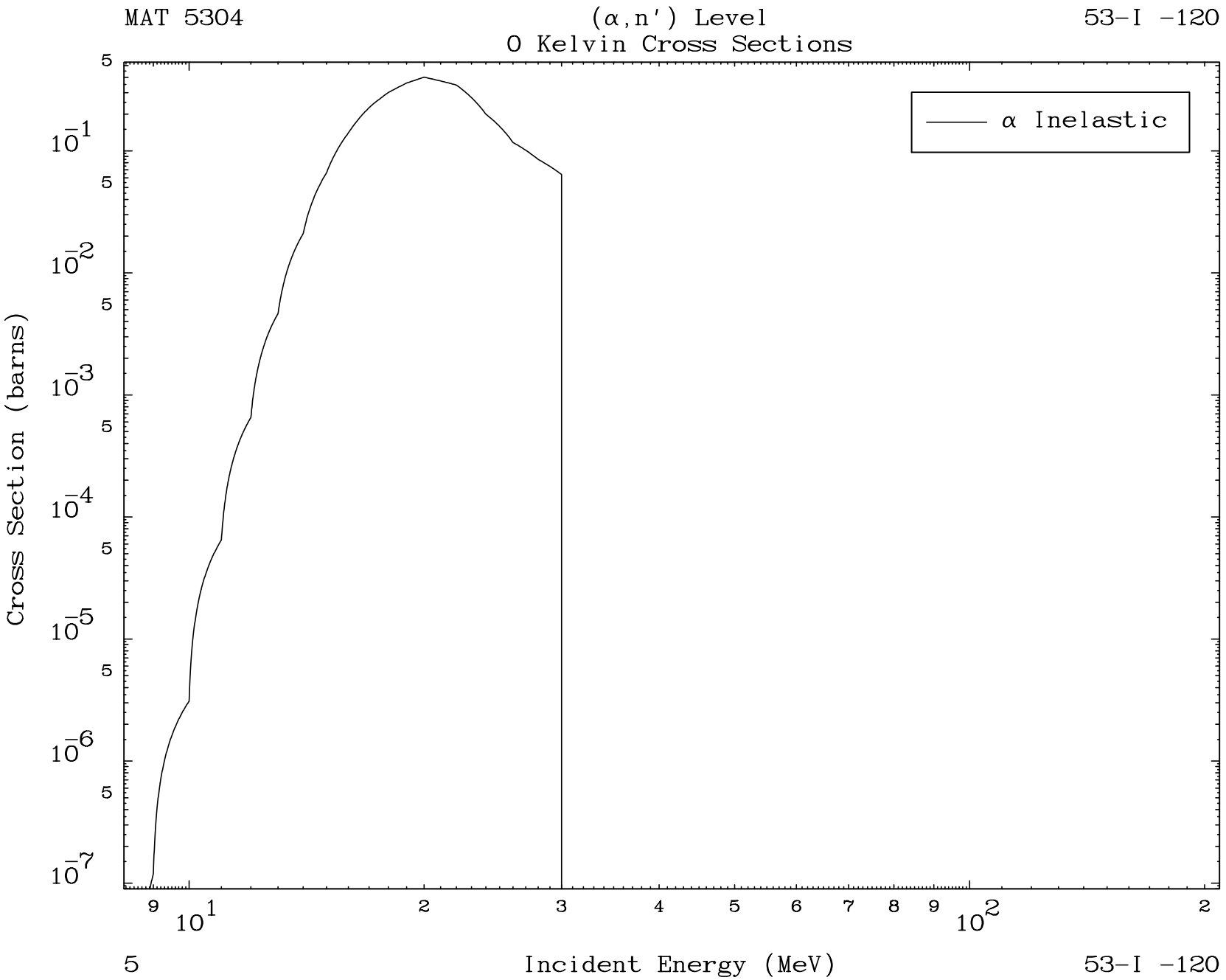

MAT 5304
α Major
53-I -120
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -120

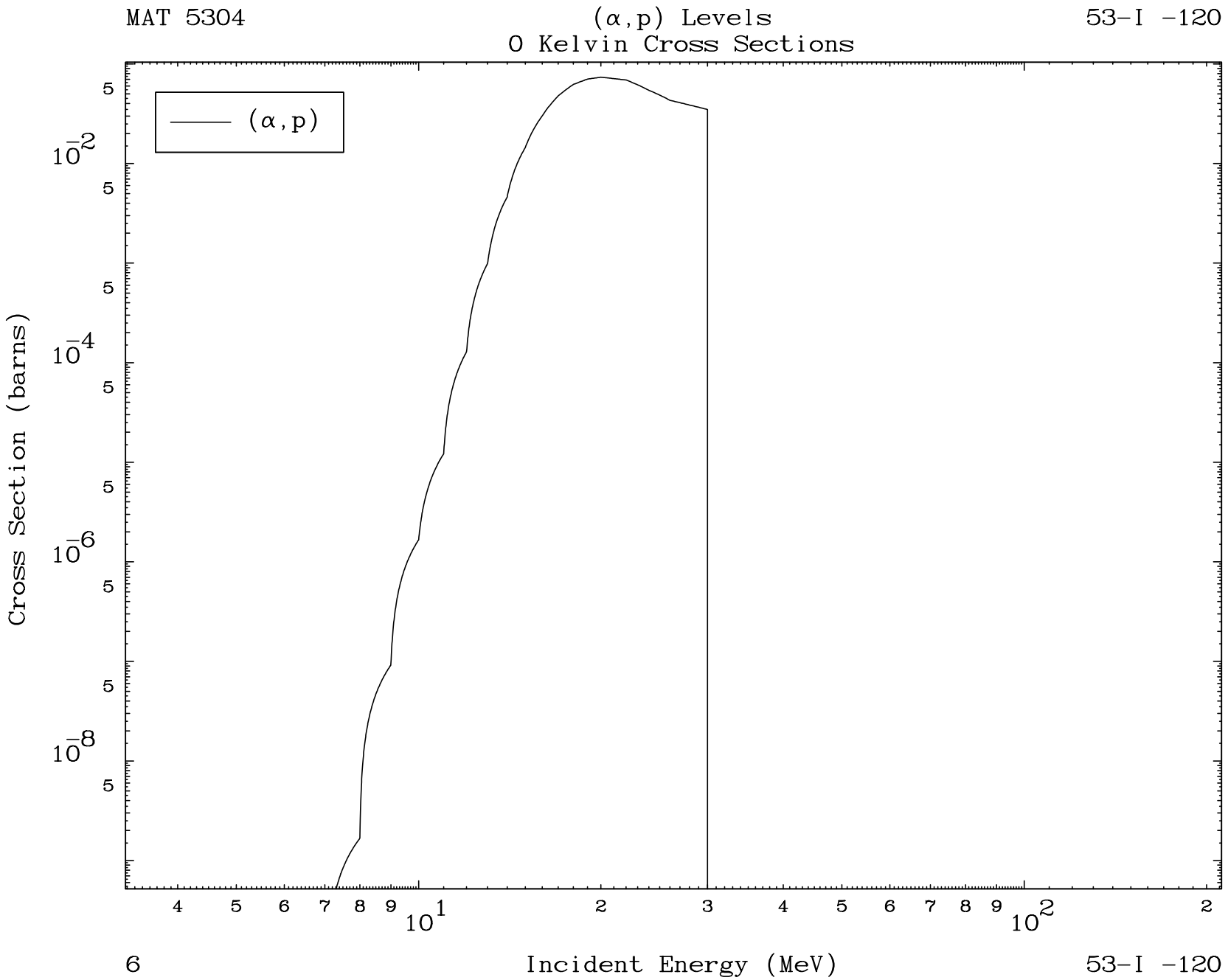

MAT 5304
α Neutron Production
0 Kelvin Cross Sections
53-I -120
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
2
53-I -120

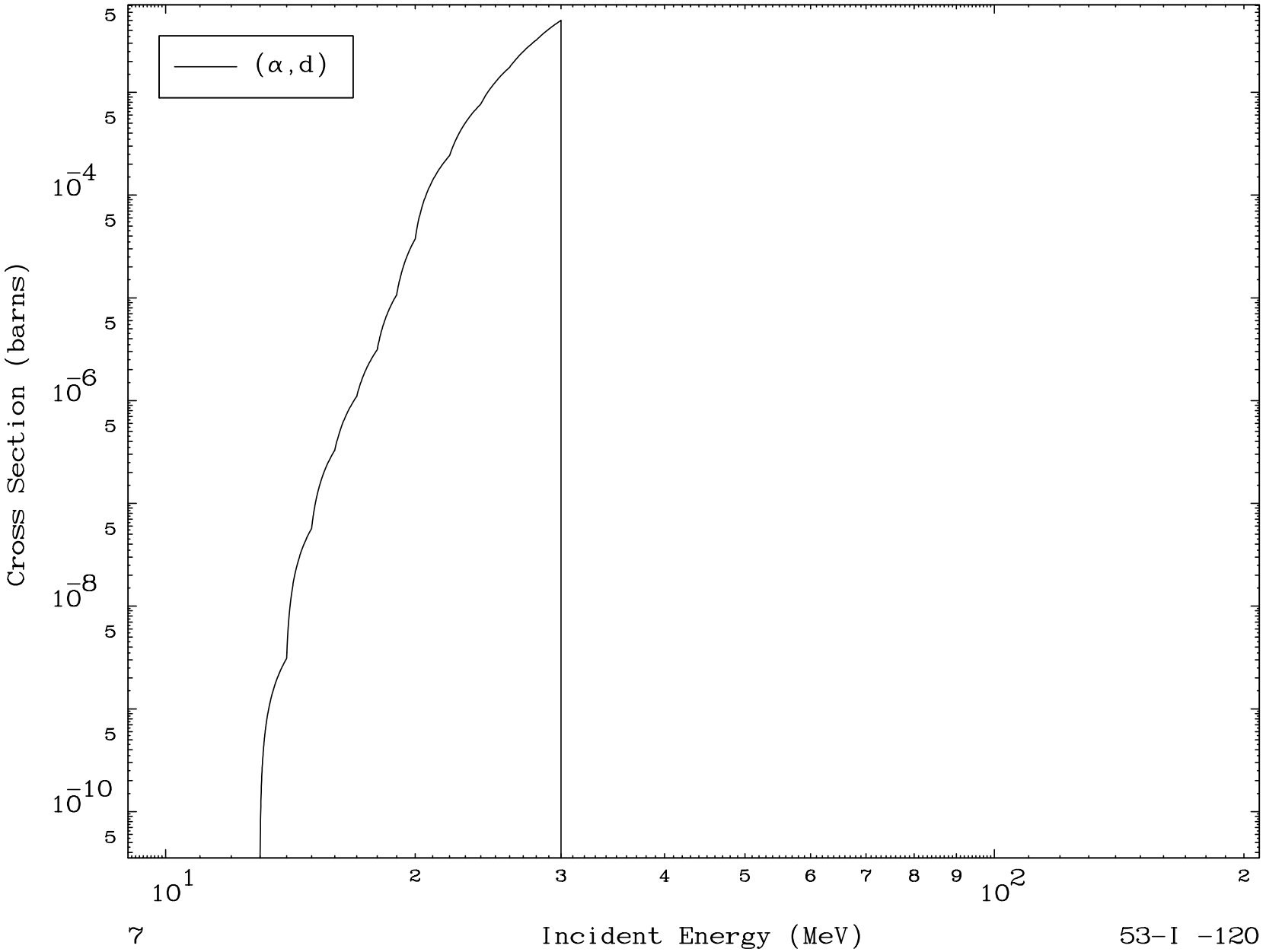

MAT 5304
α Charged Particle
0 Kelvin Cross Sections
53-I -120
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -120

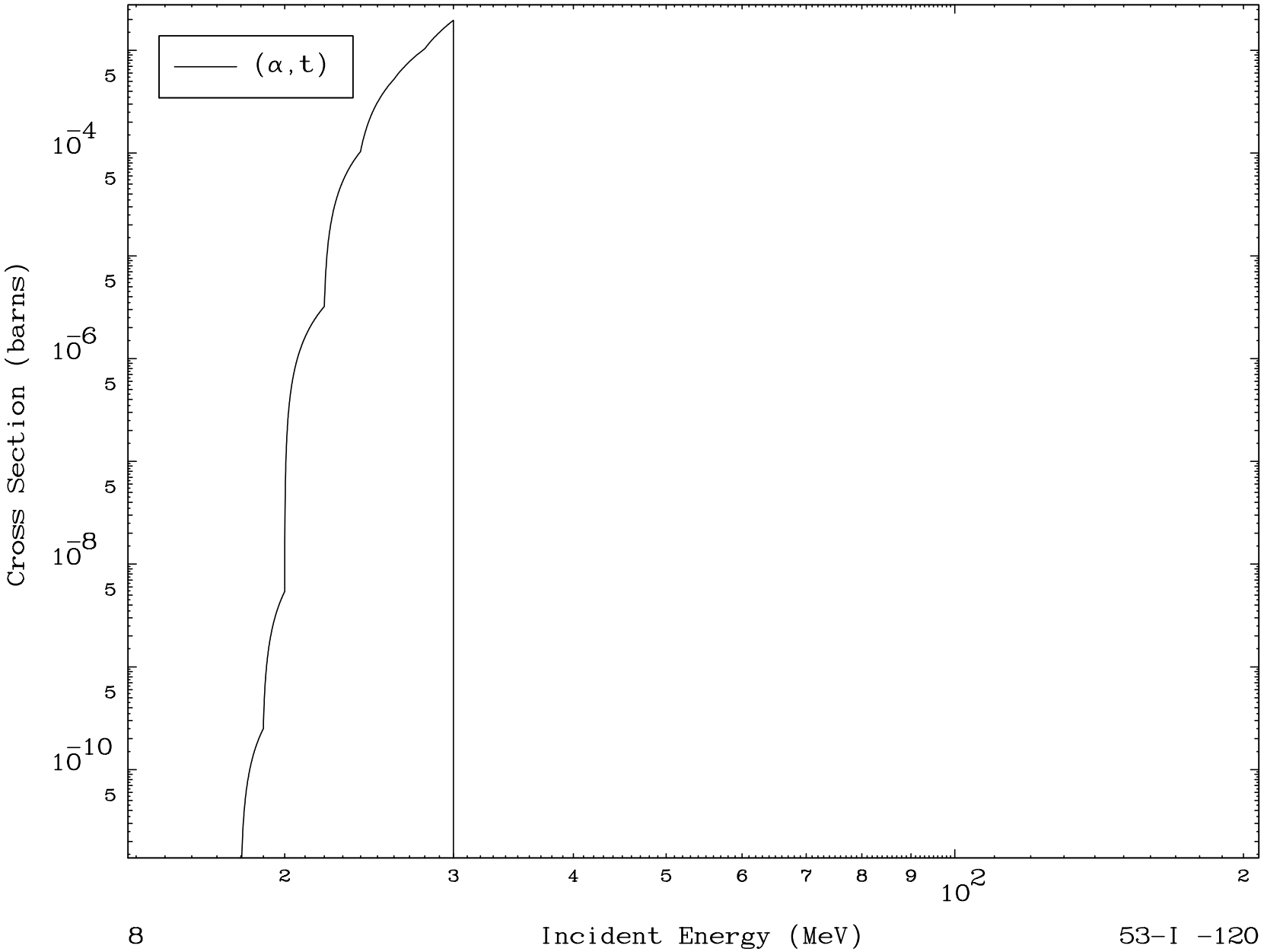
0 Kelvin Cross Sections

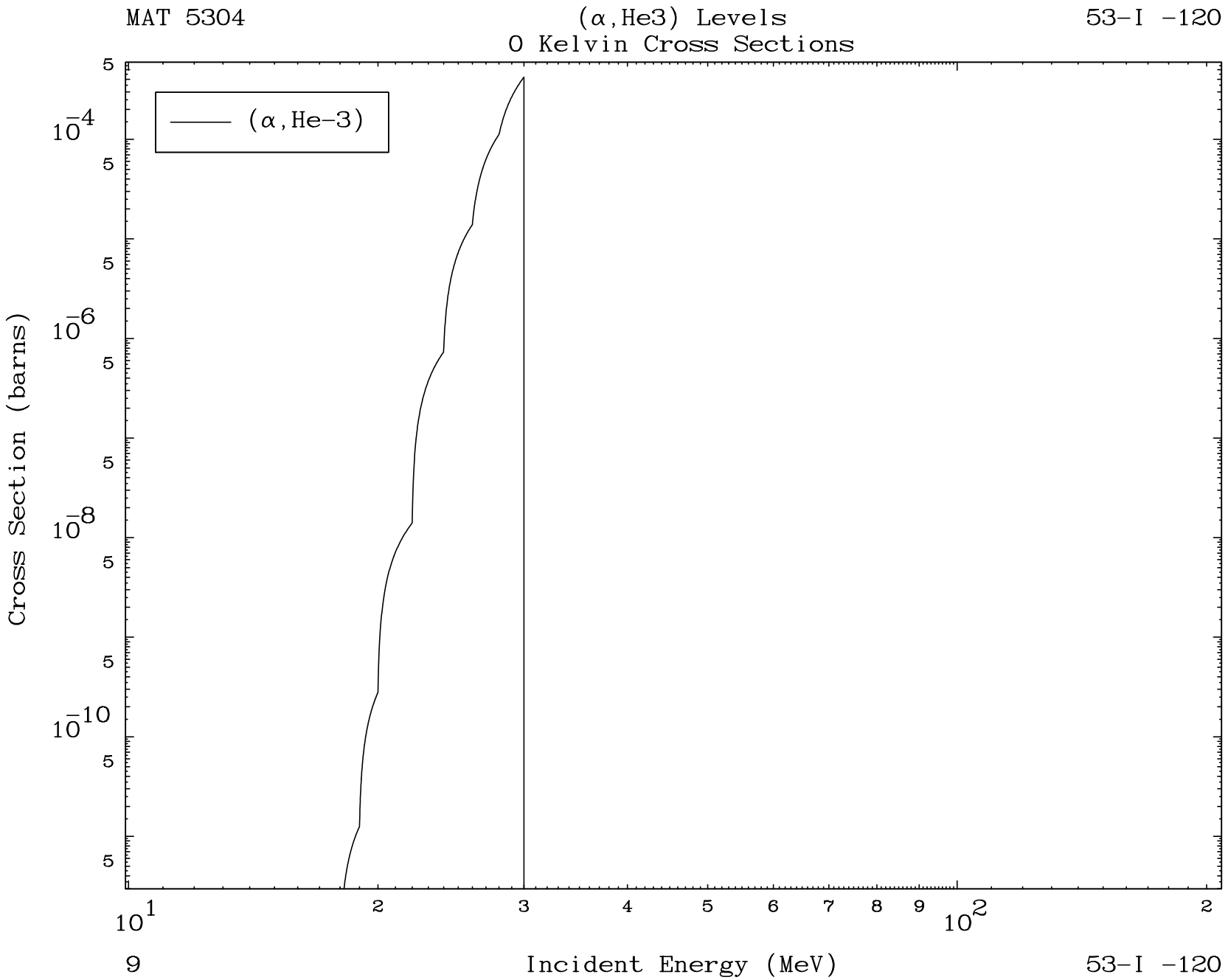


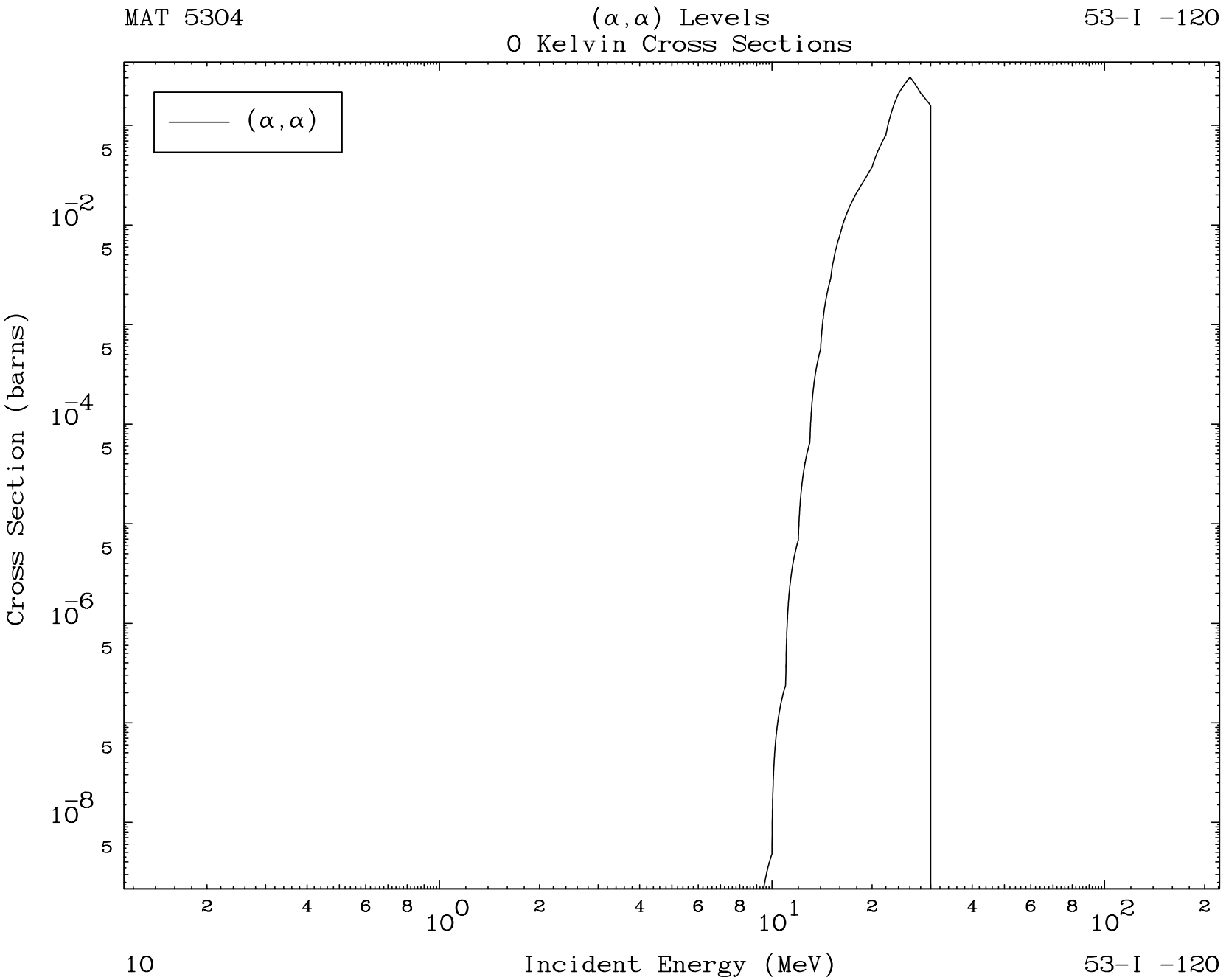

MAT 5304
(α,n') Level
53-I -120
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
53-I -120

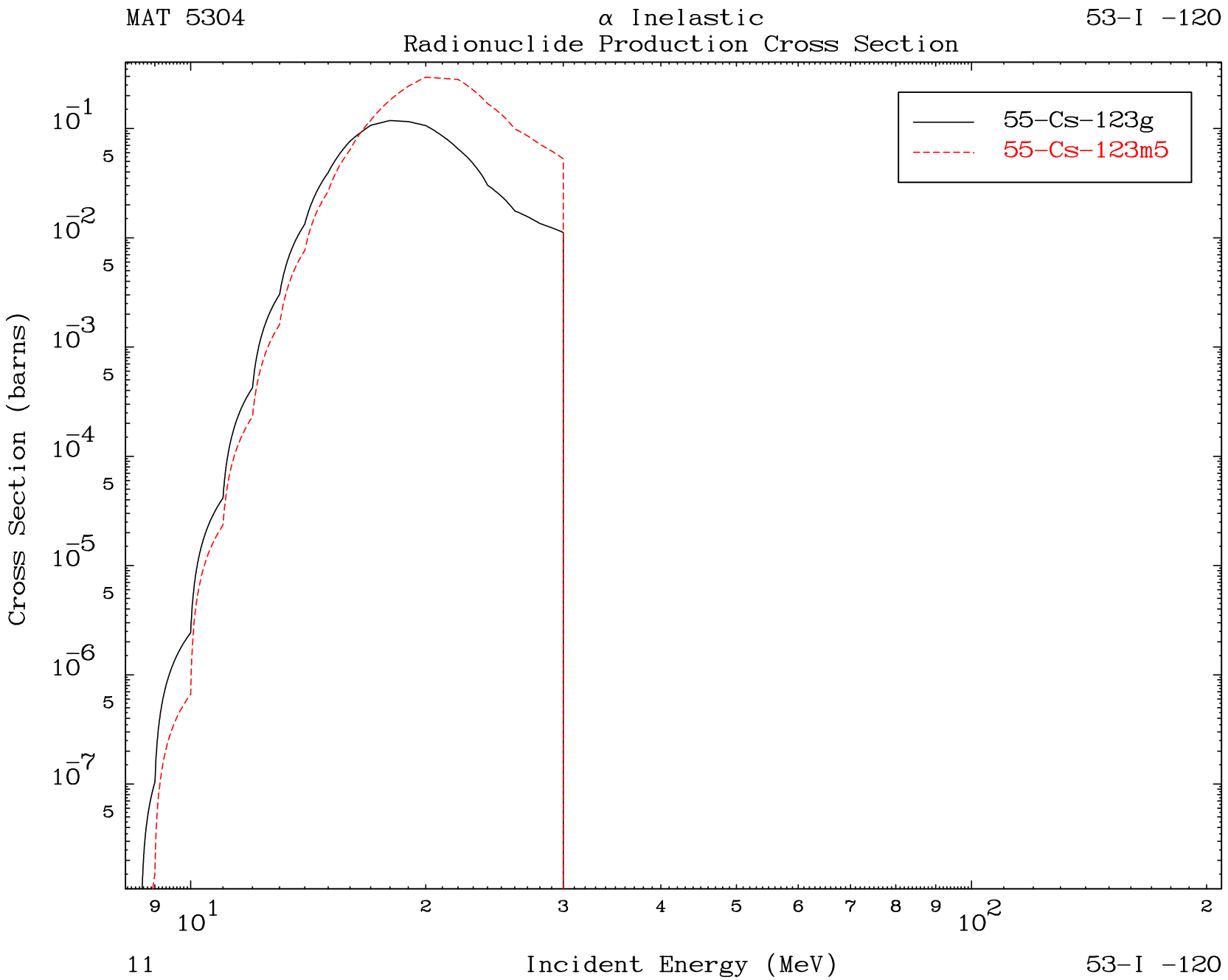

MAT 5304
(α,p) Levels
53-I -120
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
53-I -120

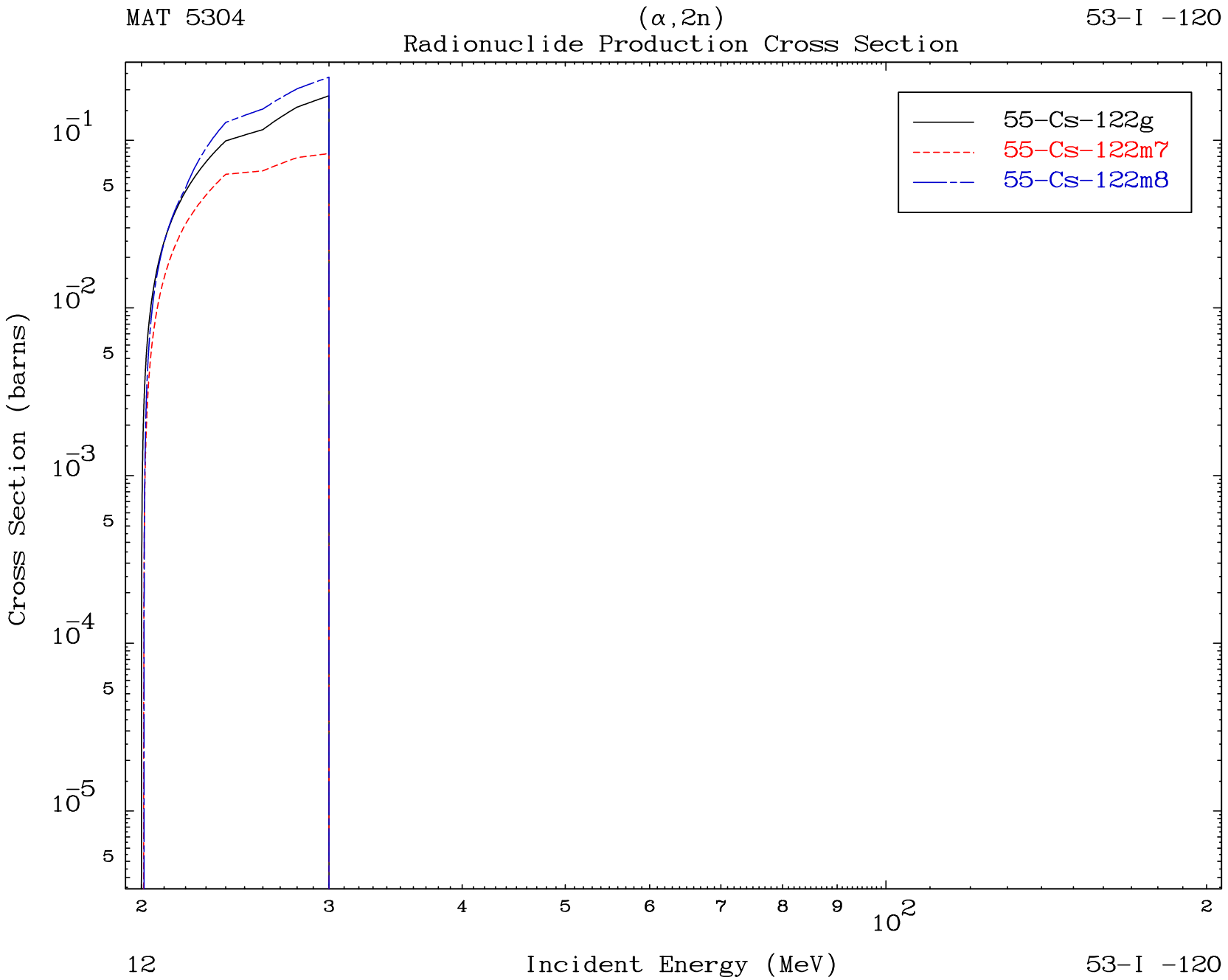

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
10^1
10^2
Incident Energy (MeV)


0 Kelvin Cross Sections
(α,t)
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)

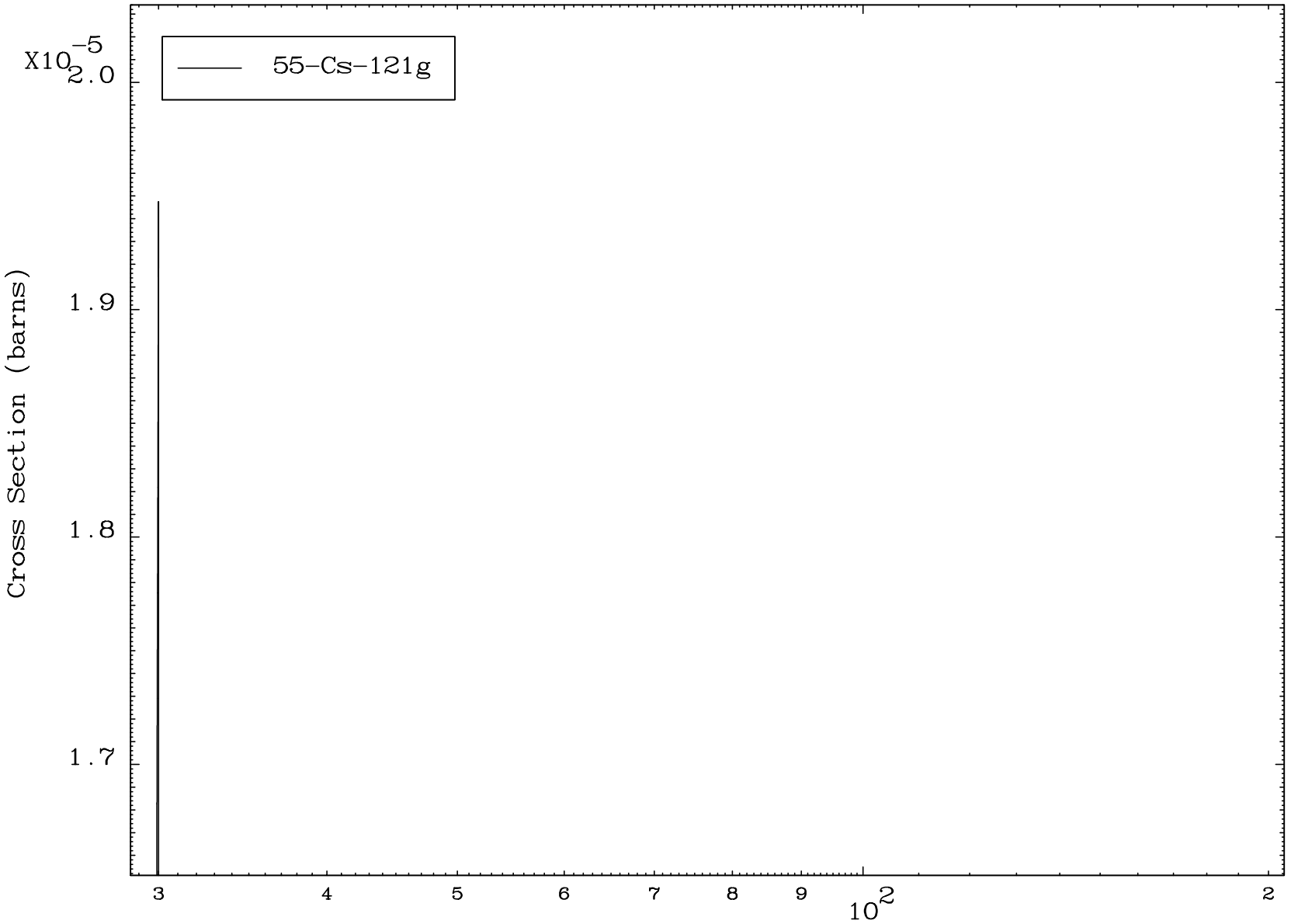

MAT 5304
(α,He3) Levels
53-I -120
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
53-I -120

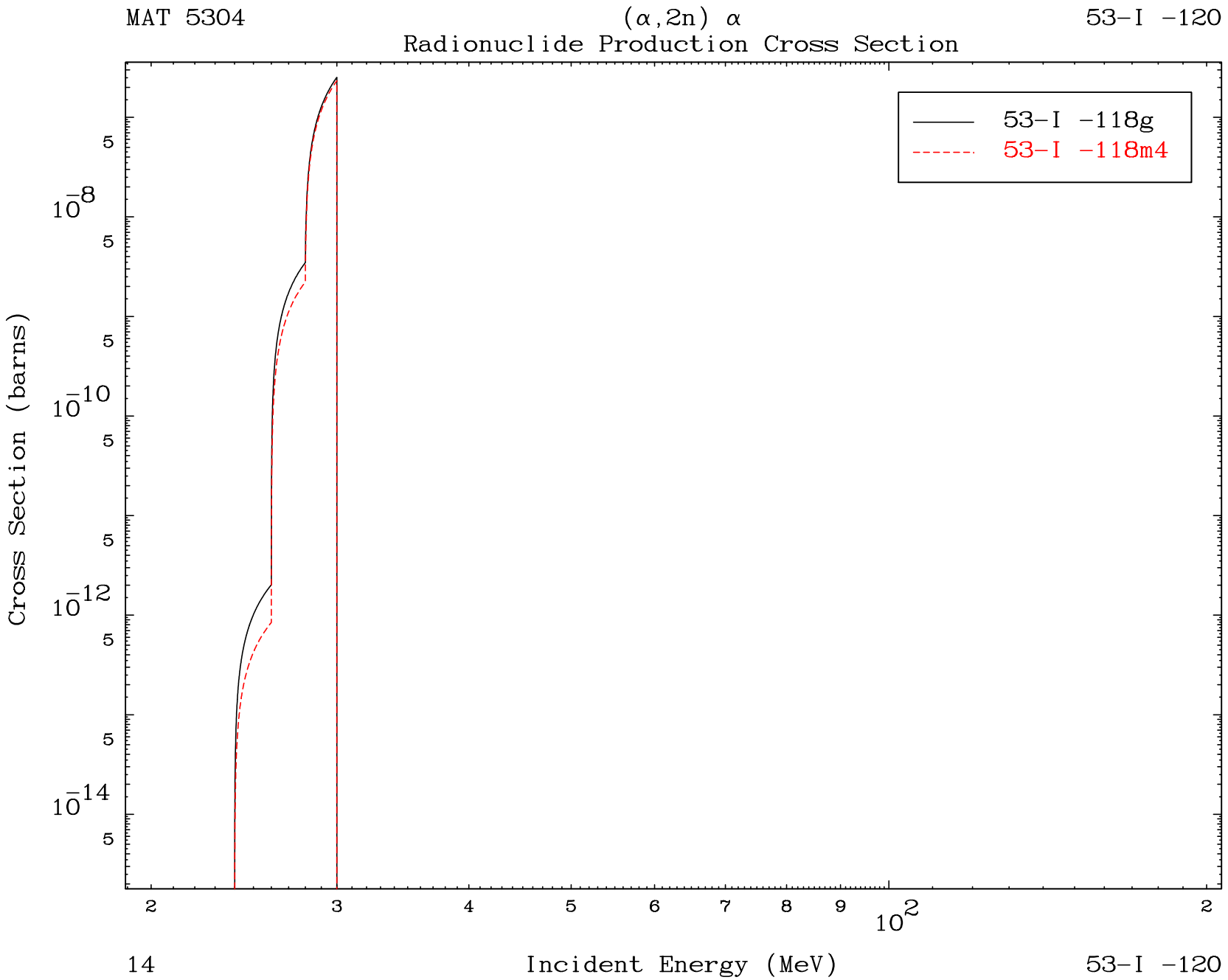

MAT 5304
(α,α) Levels
53-I -120
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
53-I -120

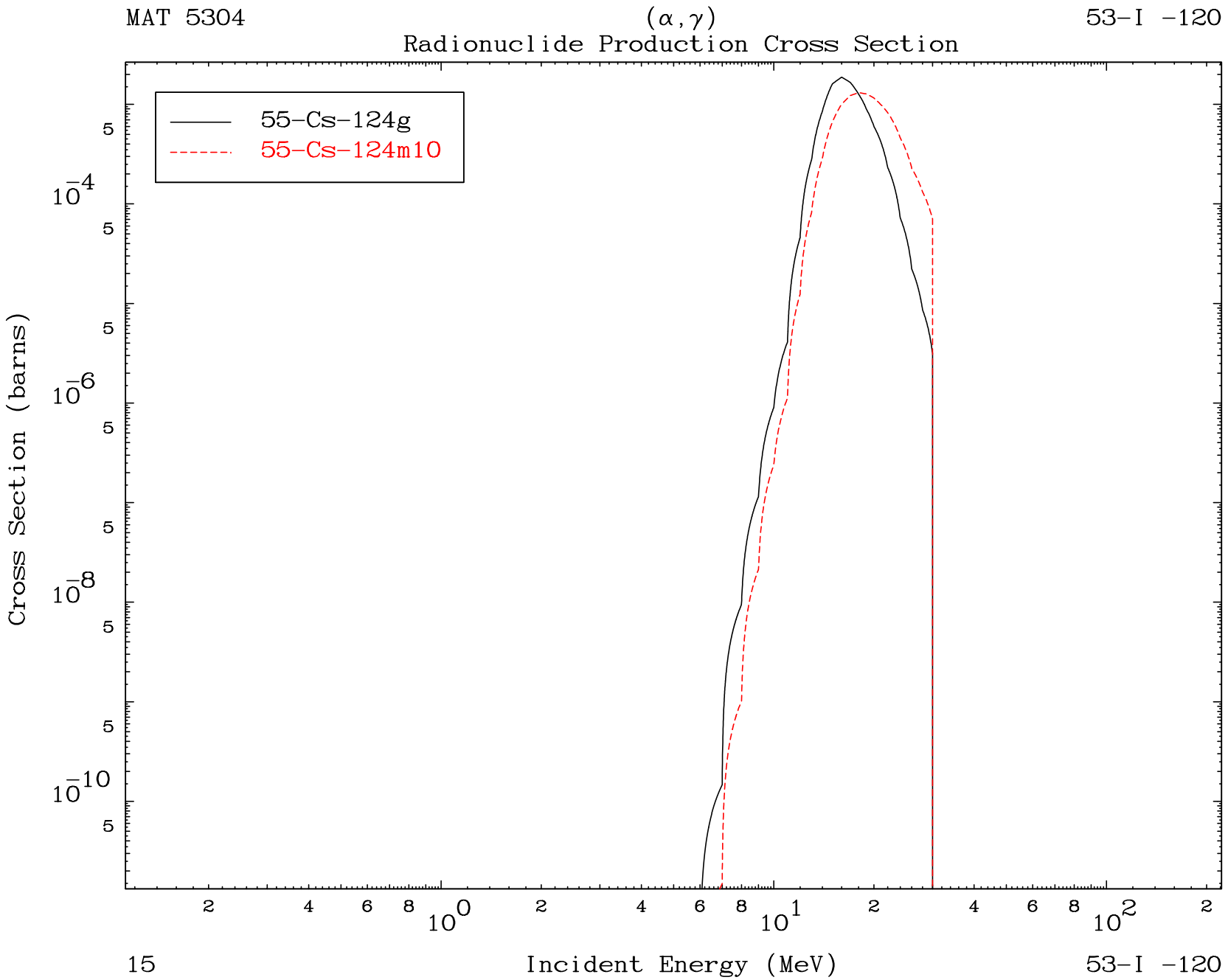

MAT 5304
α Inelastic
53-I -120
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
Incident Energy (MeV)
11
53-I -120

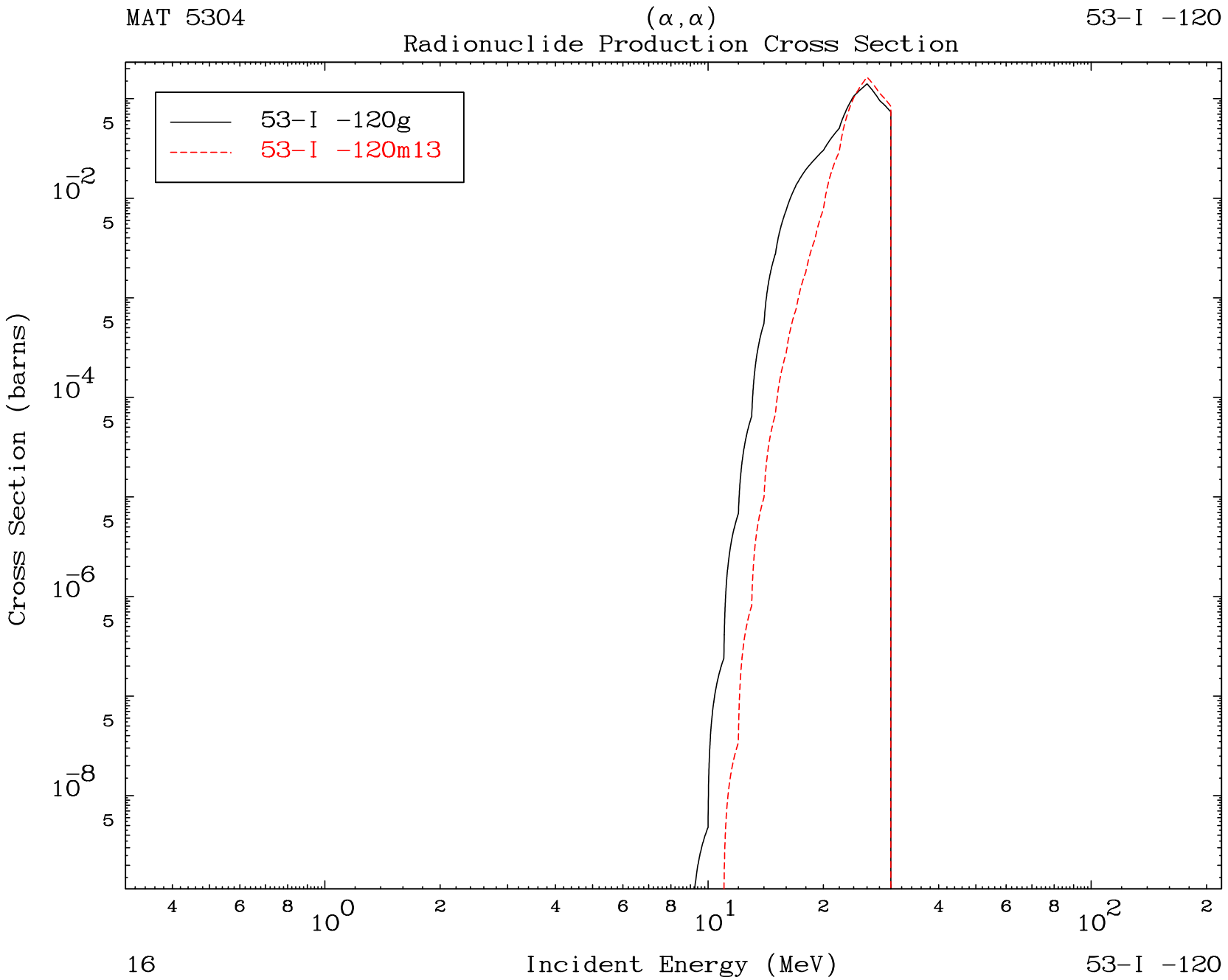

MAT 5304
(α,2n)
53-I -120
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -120

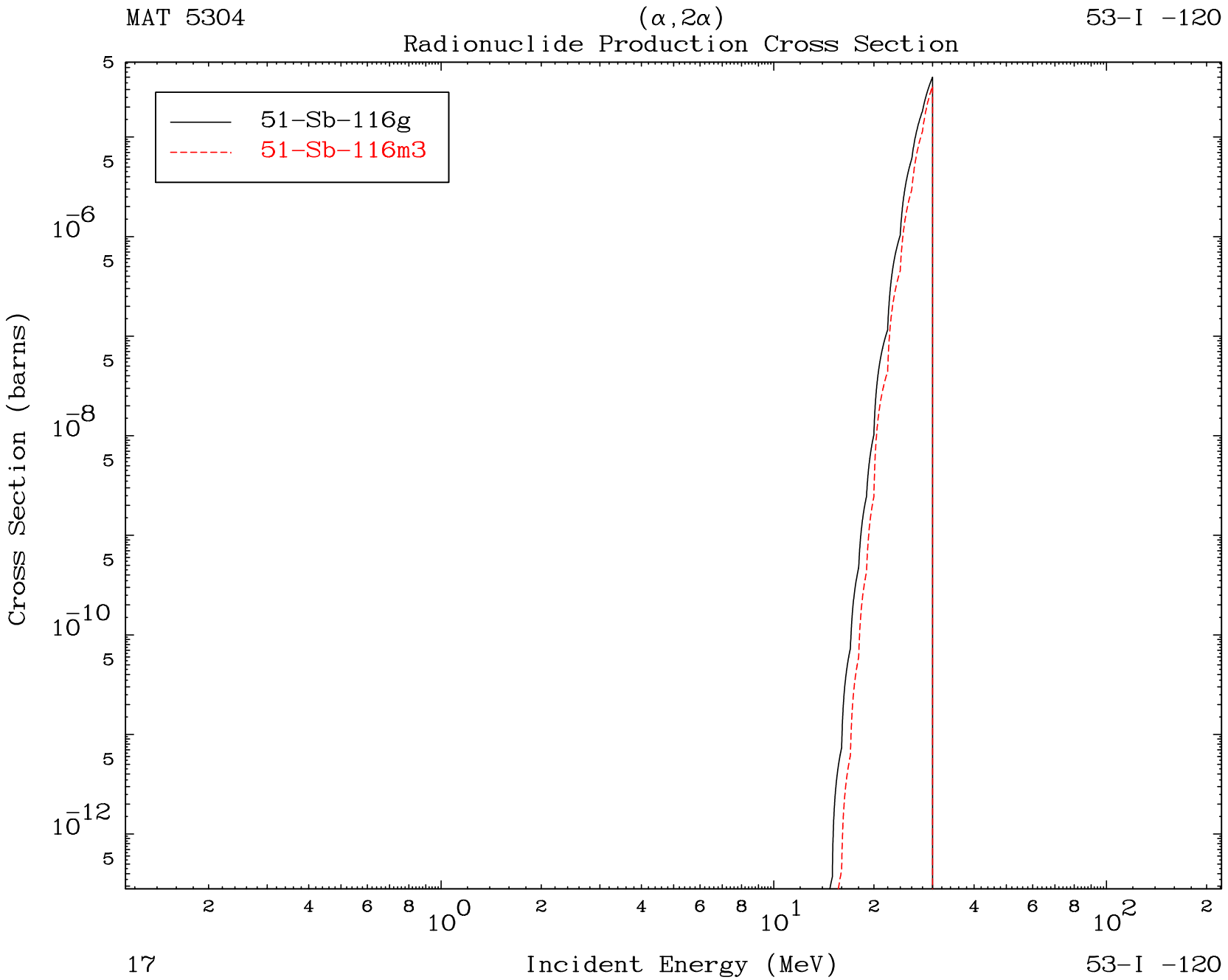
Radionuclide Production Cross Section

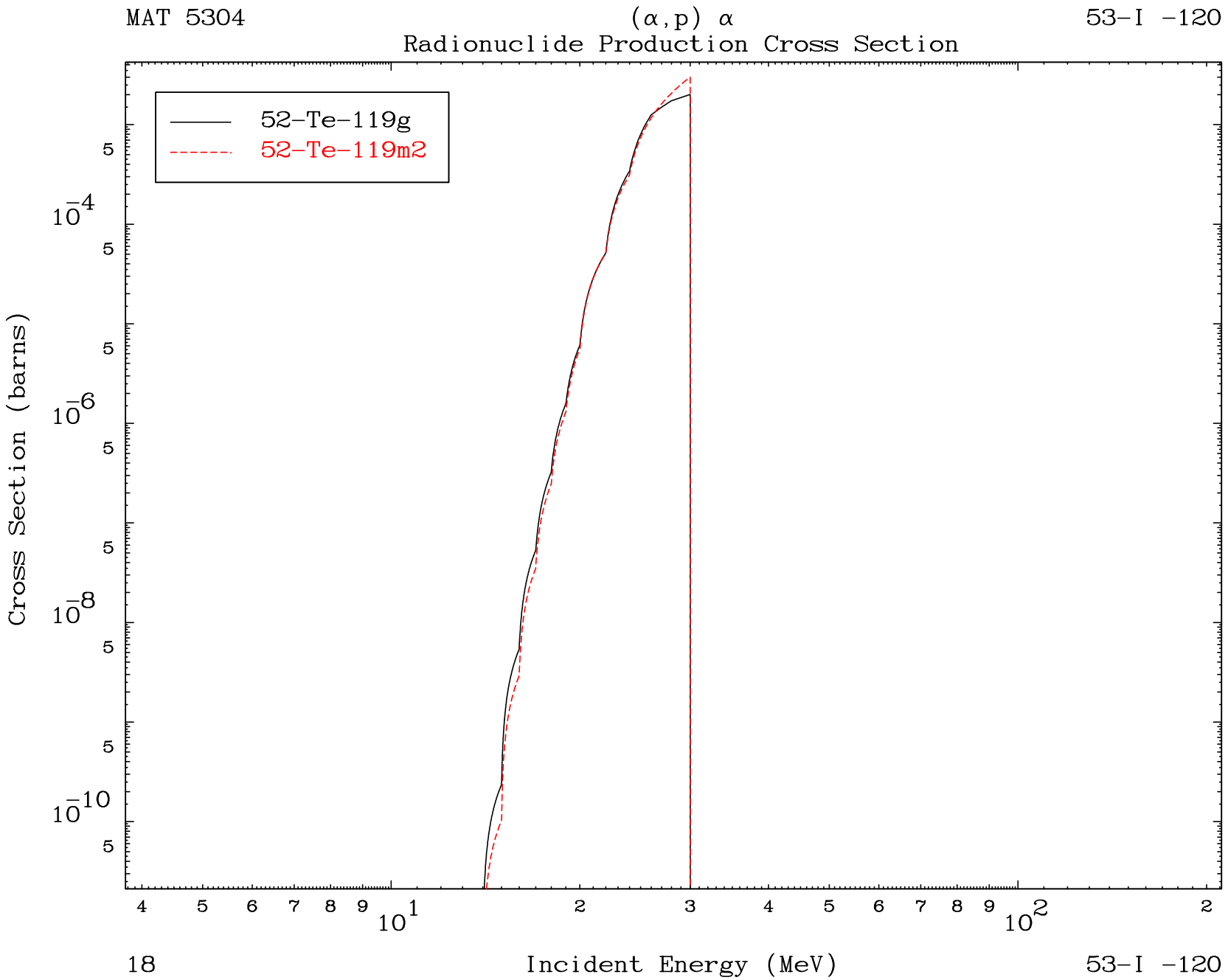


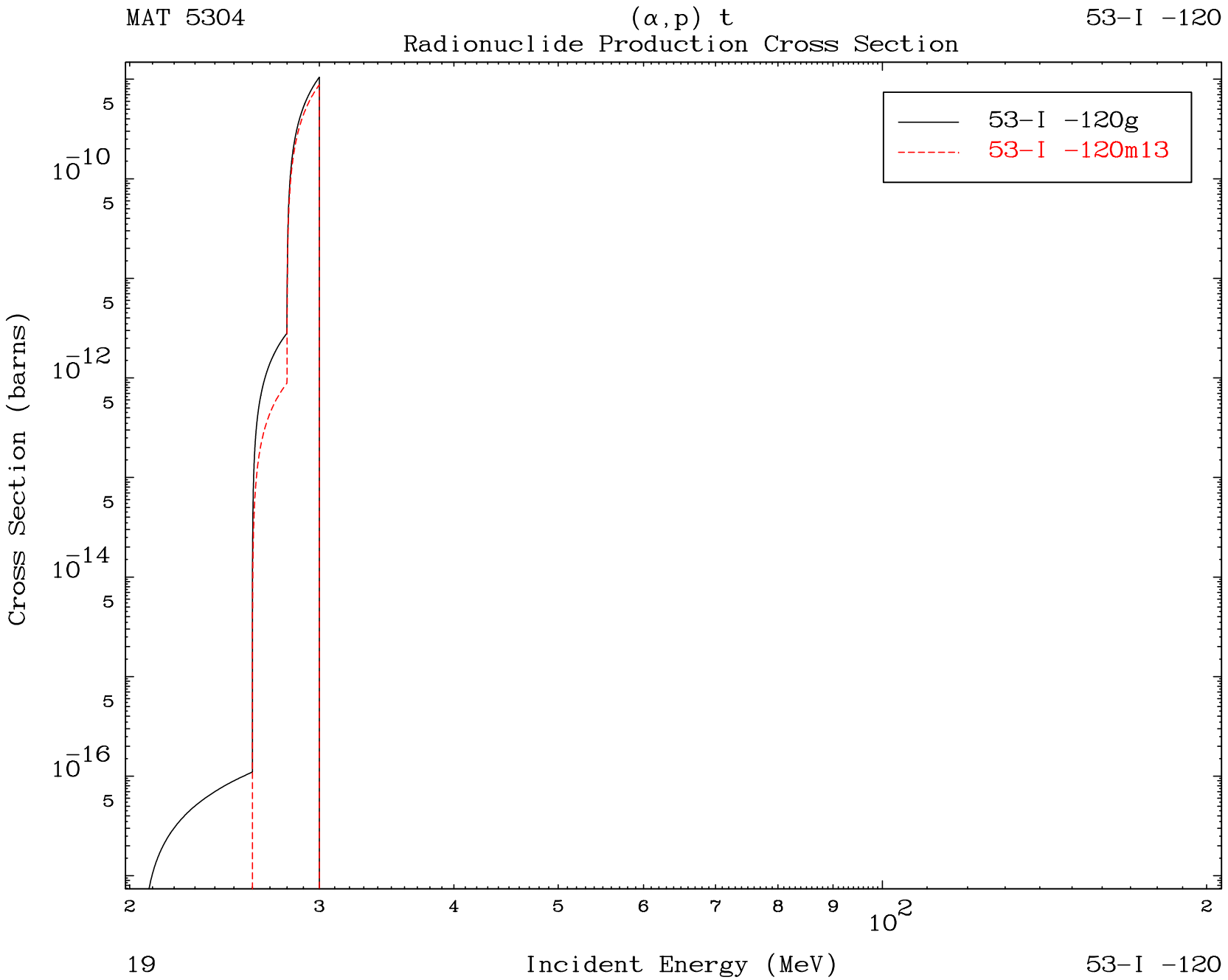

MAT 5304
(α,2n) α
53-I -120
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
14
53-I -120


MAT 5304
(α,γ)
53-I -120
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
15
53-I -120


MAT 5304
(α,α)
53-I -120
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
16
53-I -120


MAT 5304
(α,2α)
53-I -120
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
17
53-I -120


MAT 5304
(α,p) α
53-I -120
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
18
53-I -120


MAT 5304
(α,p) t
53-I -120
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
53-I -120