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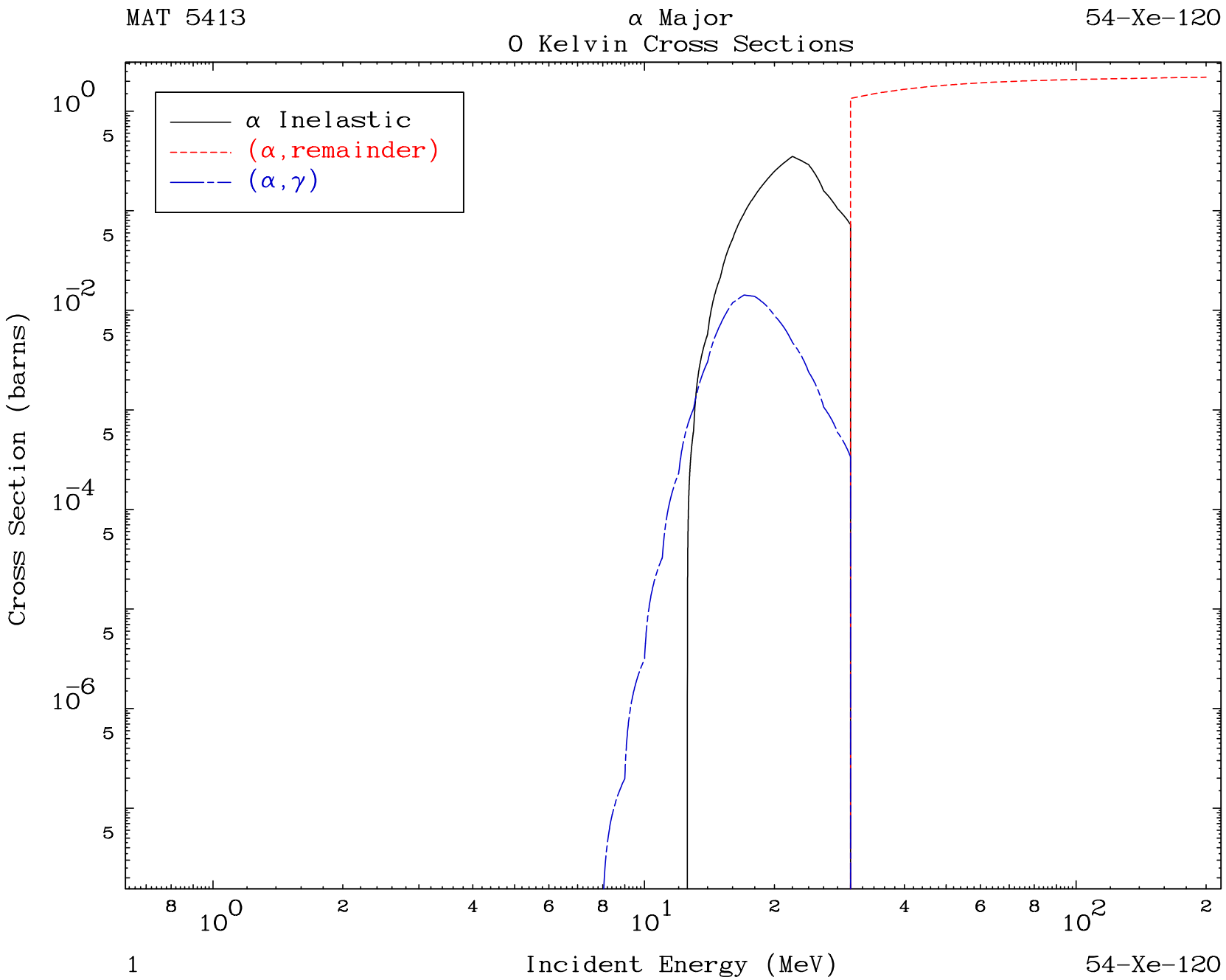
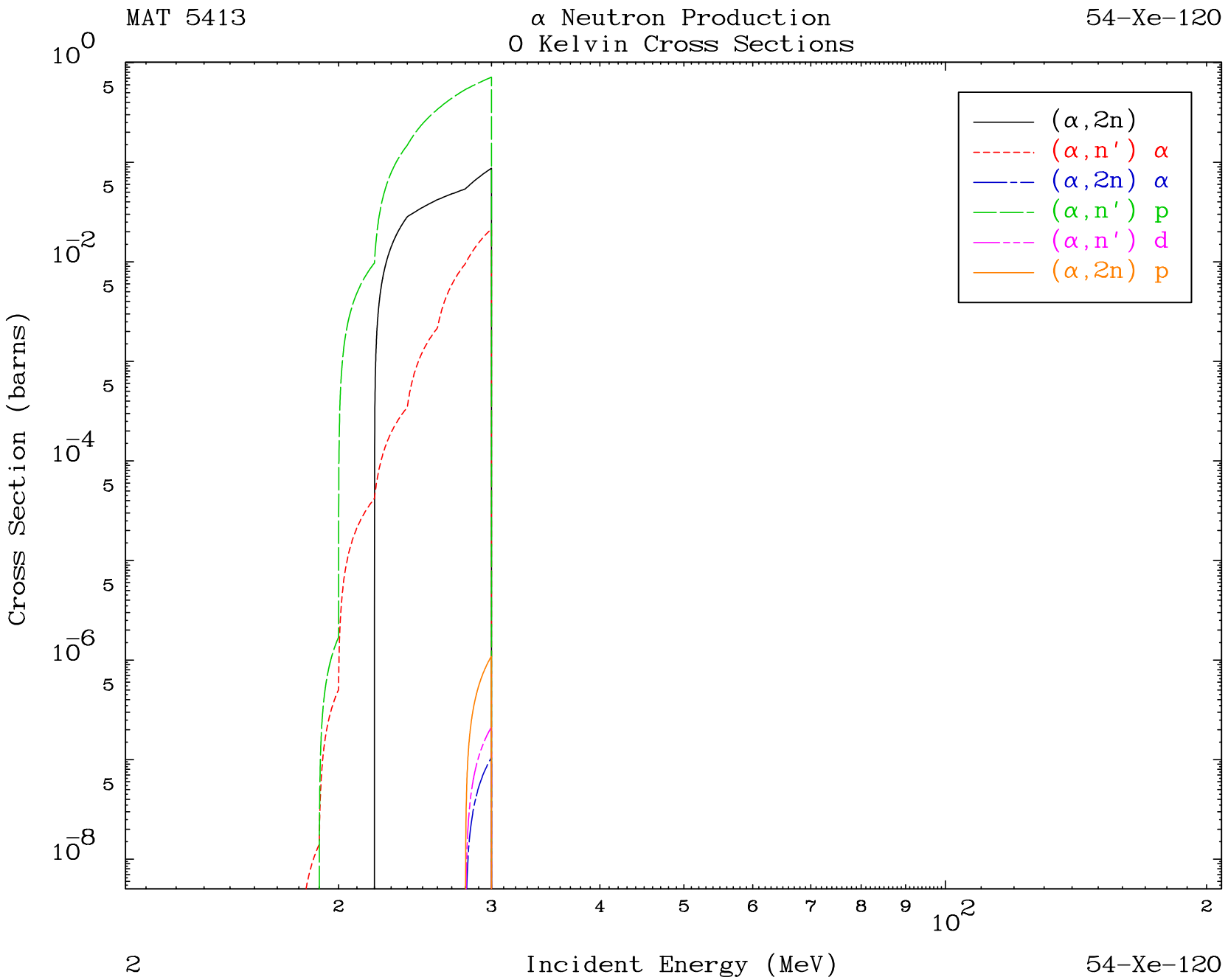
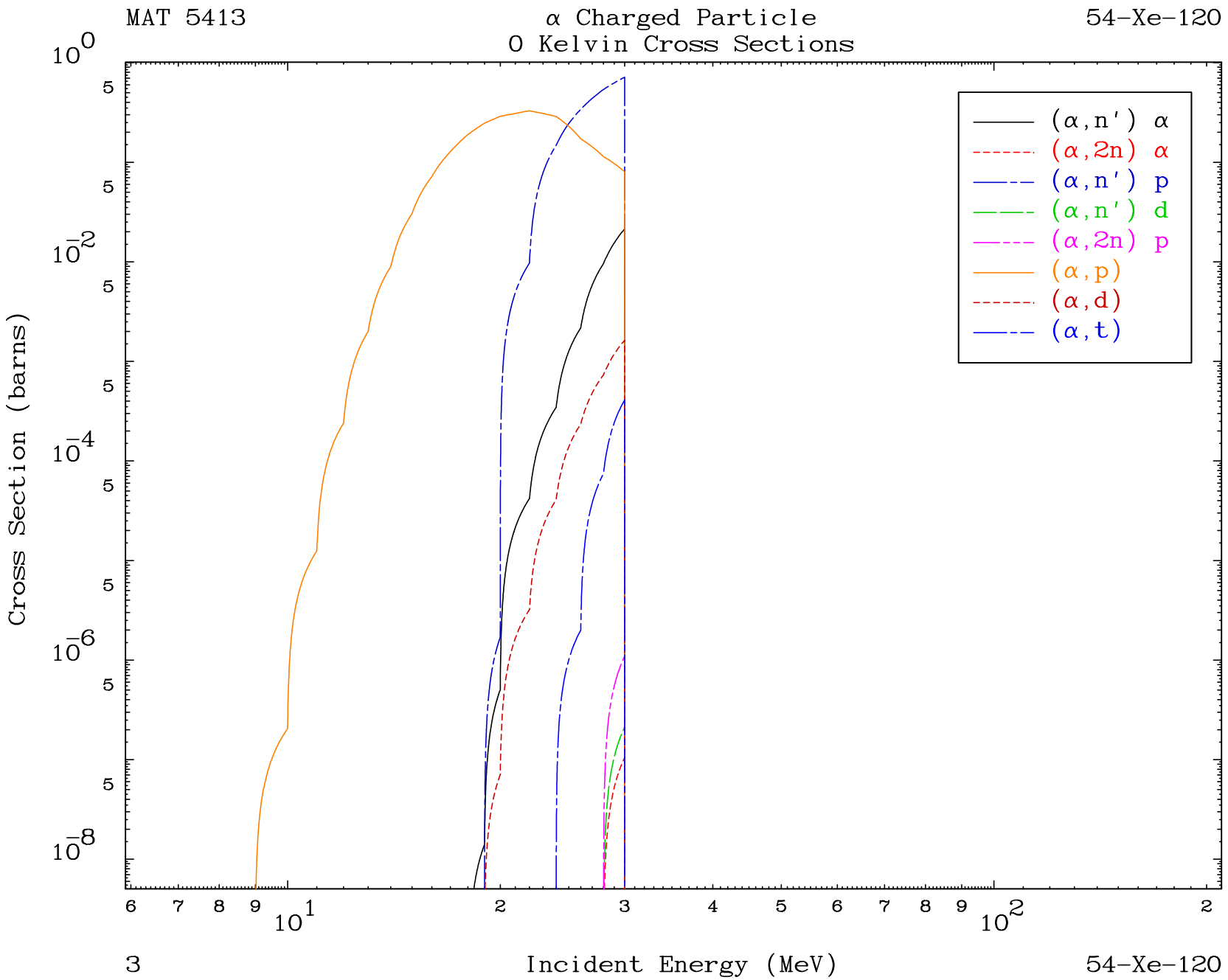
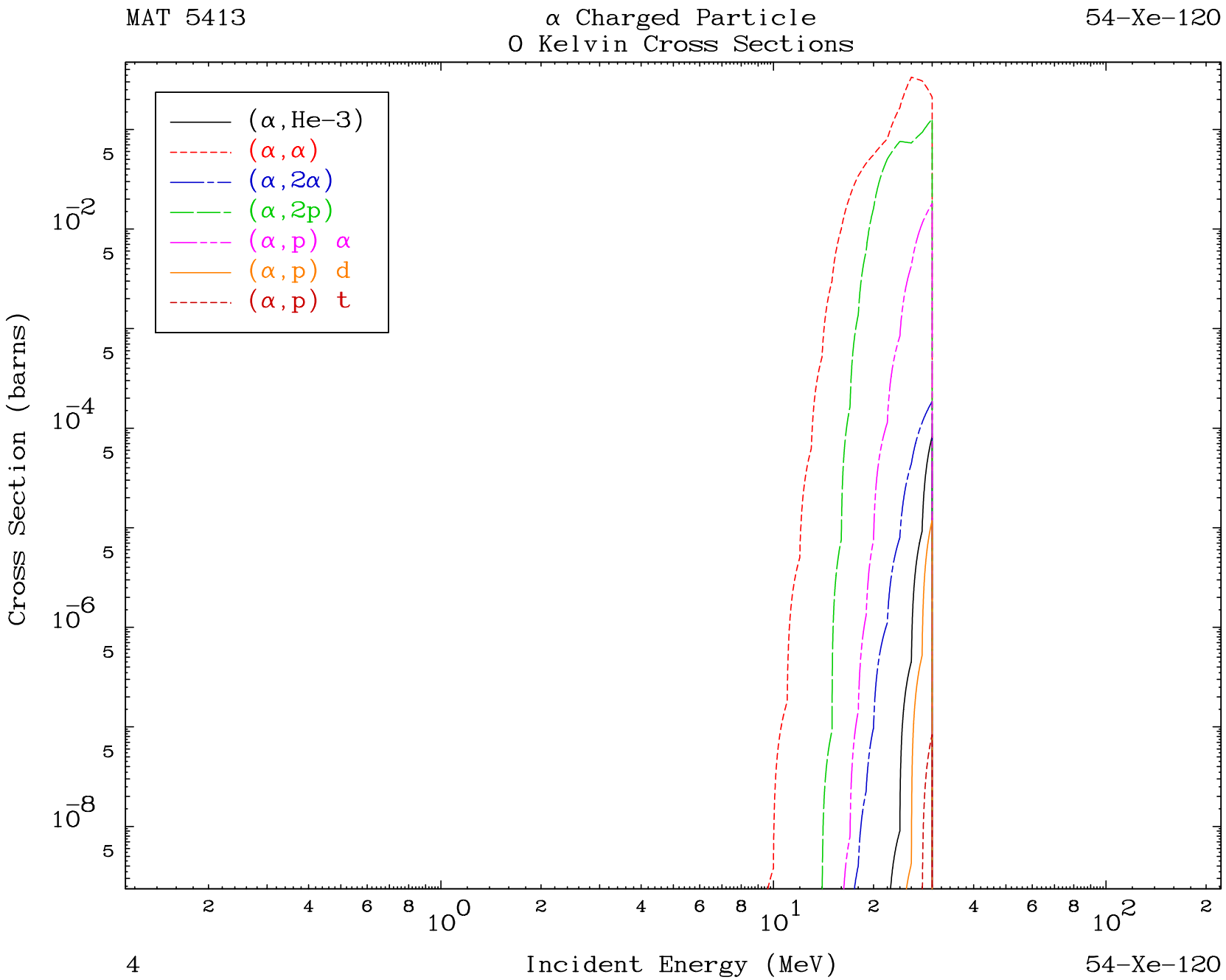
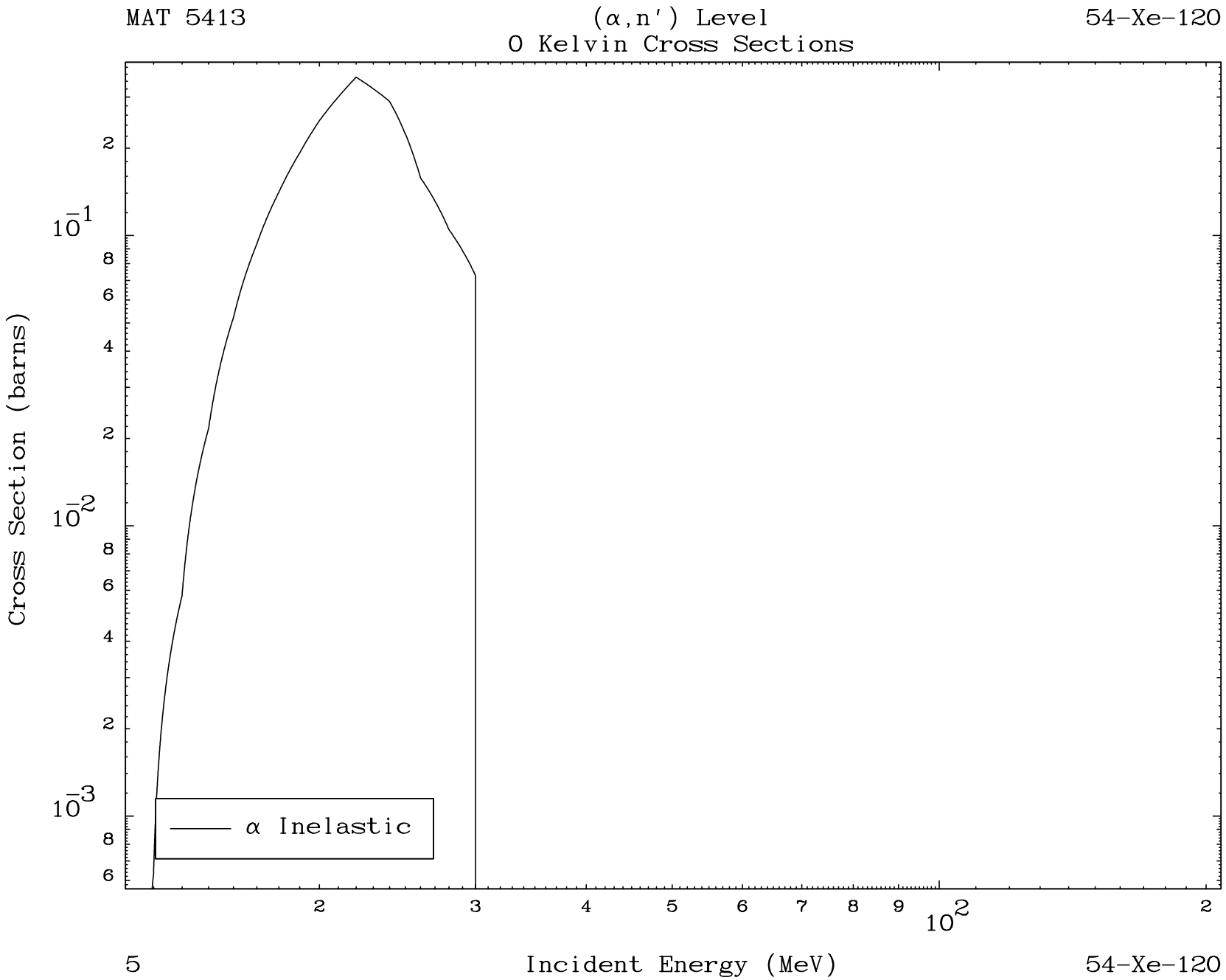
Press Mouse Button to Start

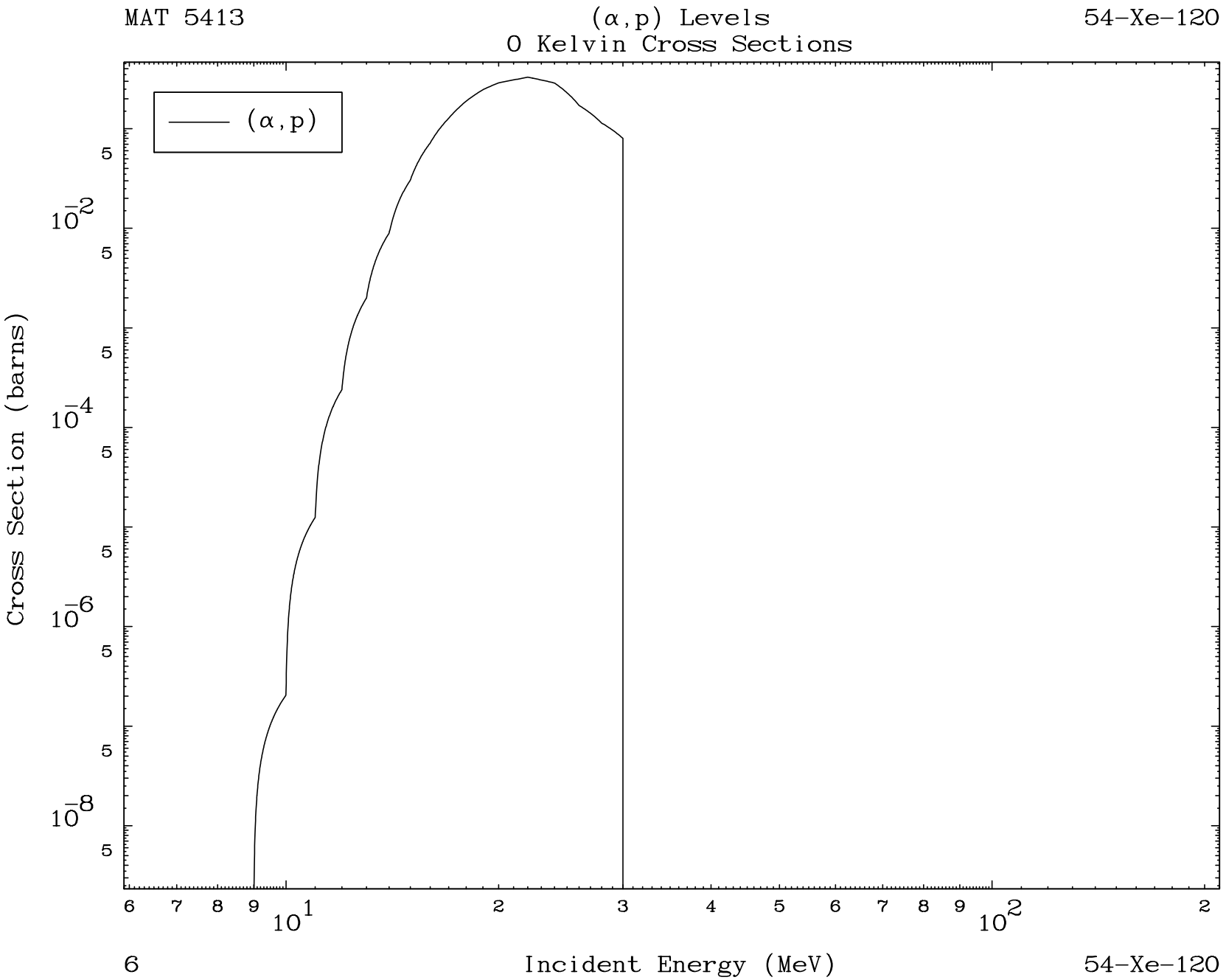

MAT 5413
α Major
54-Xe-120
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-120

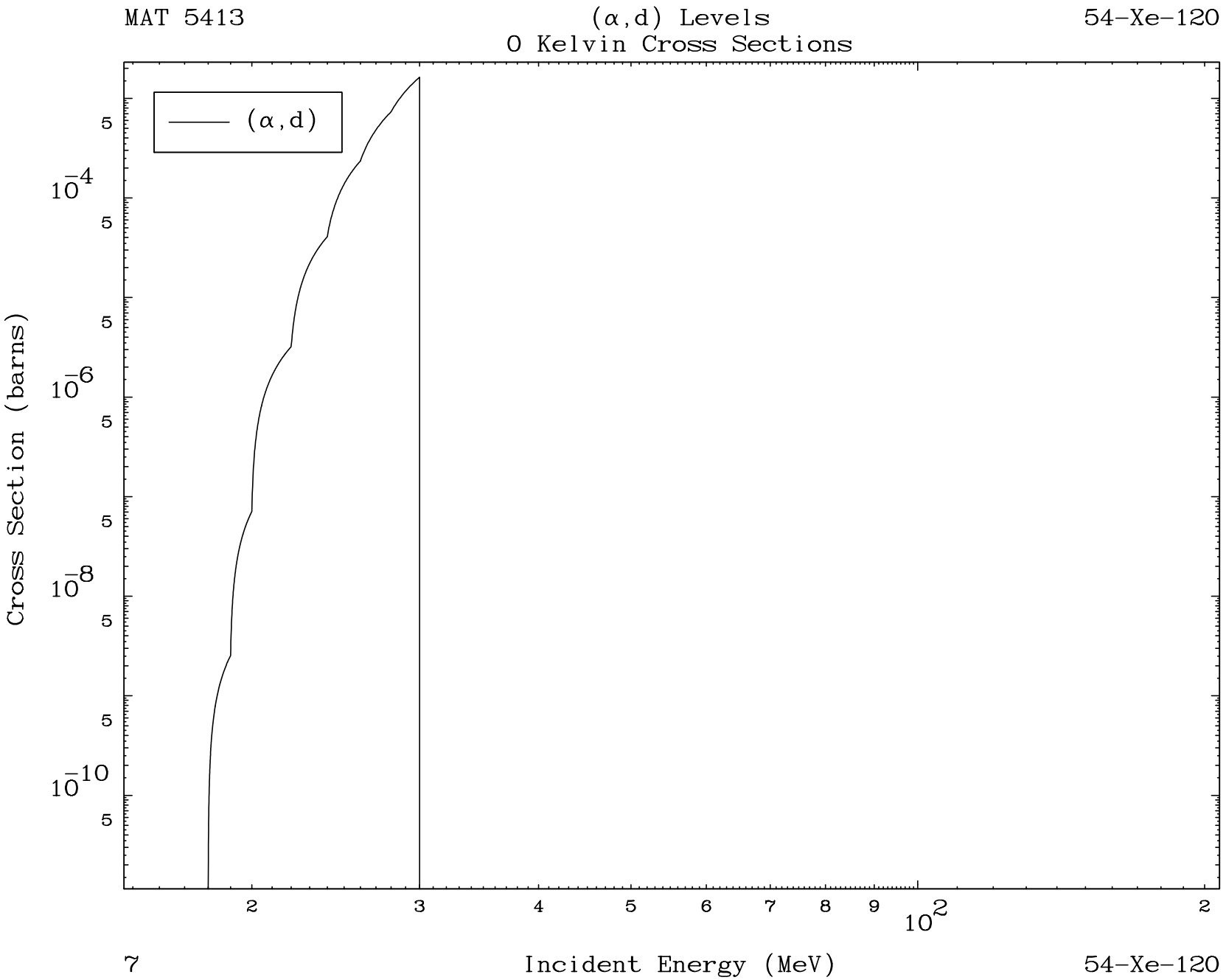

MAT 5413
α Neutron Production
0 Kelvin Cross Sections
54-Xe-120
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p

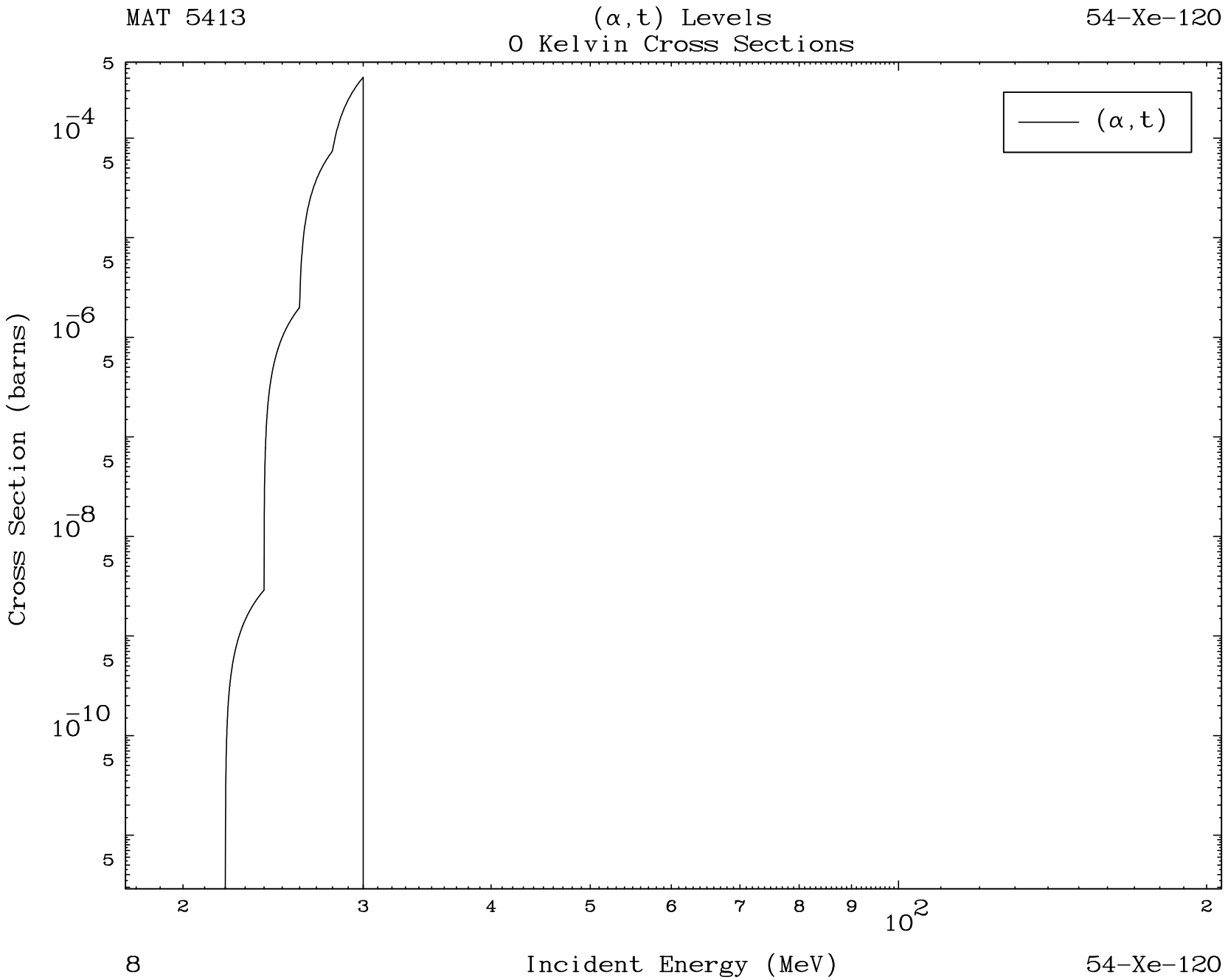

MAT 5413
α Charged Particle
0 Kelvin Cross Sections
54-Xe-120
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-120
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
(α,t)

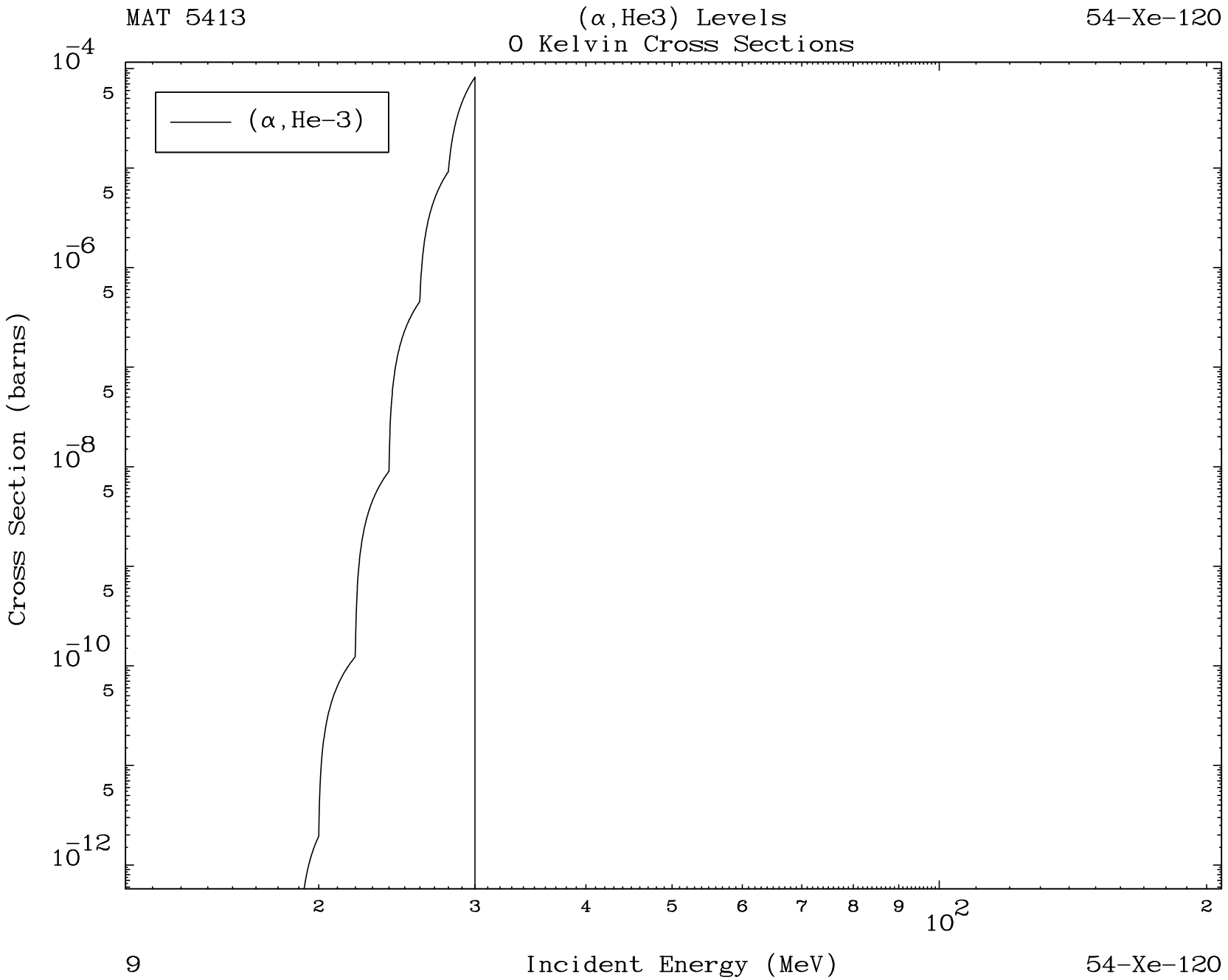

MAT 5413
α Charged Particle
0 Kelvin Cross Sections
54-Xe-120
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-120

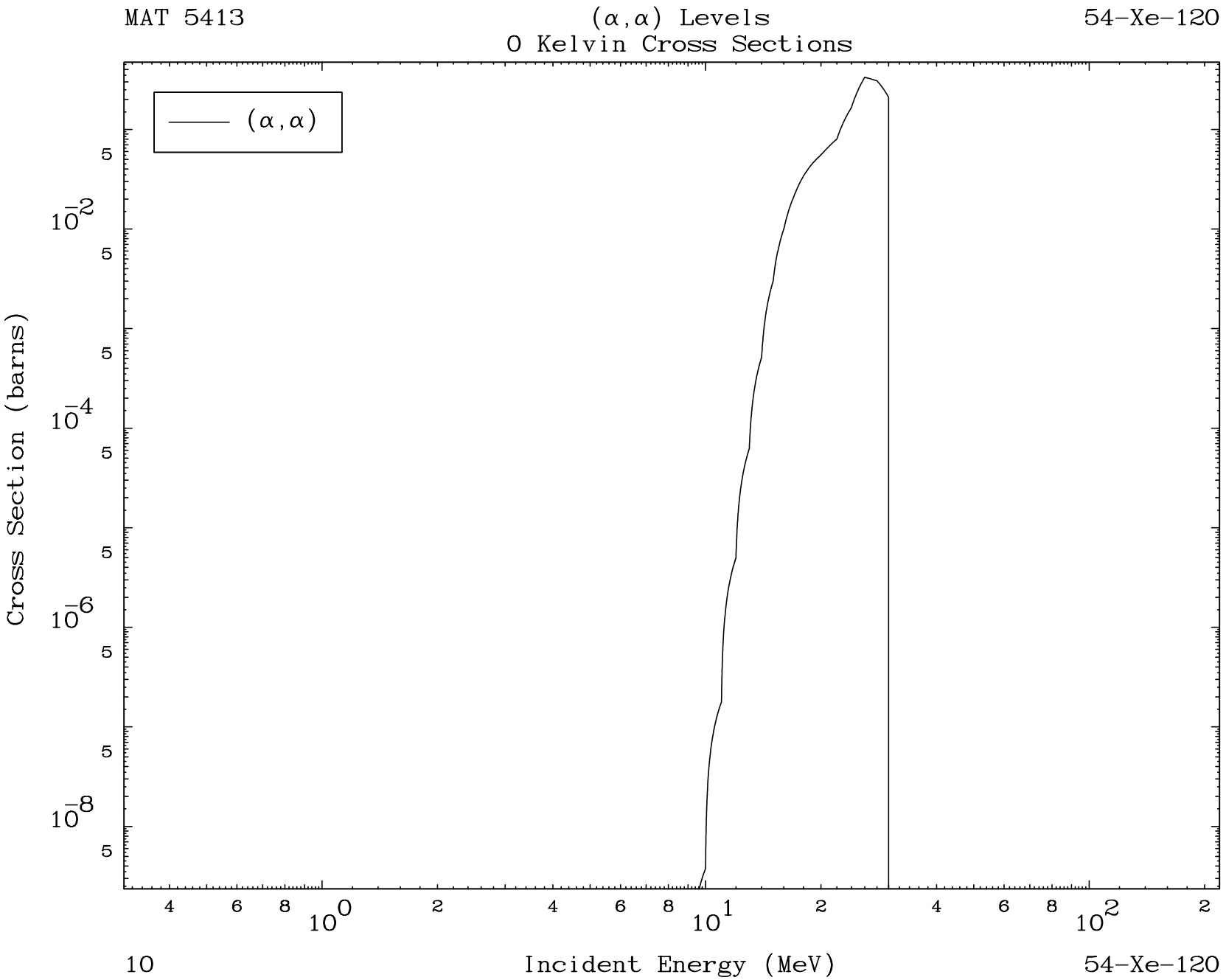

MAT 5413
(α,n') Level
54-Xe-120
0 Kelvin Cross Sections
Cross Section (barns)
10-1
10-2
10-3
α Inelastic
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)
5
54-Xe-120

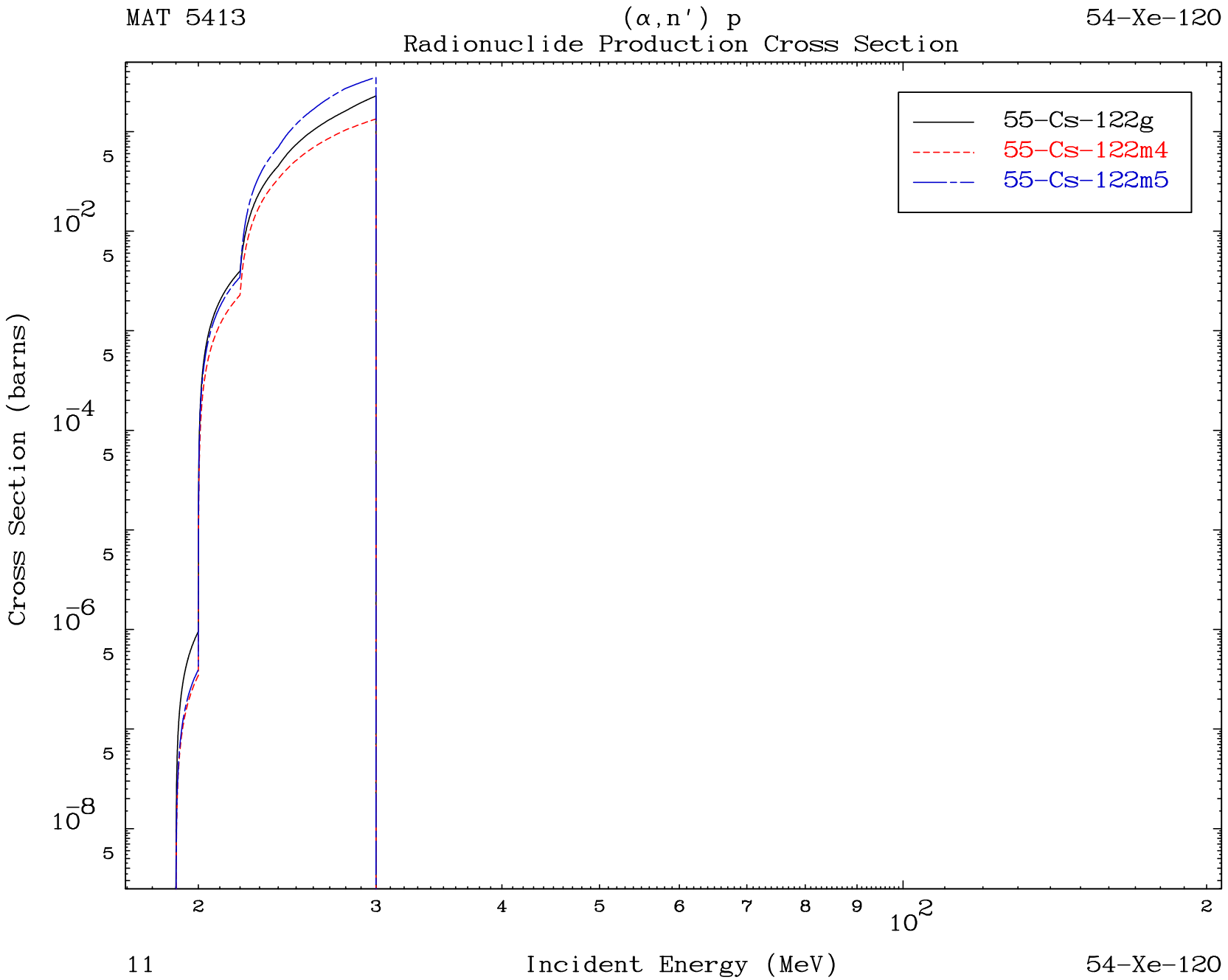

MAT 5413
(α,p) Levels
54-Xe-120
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
54-Xe-120

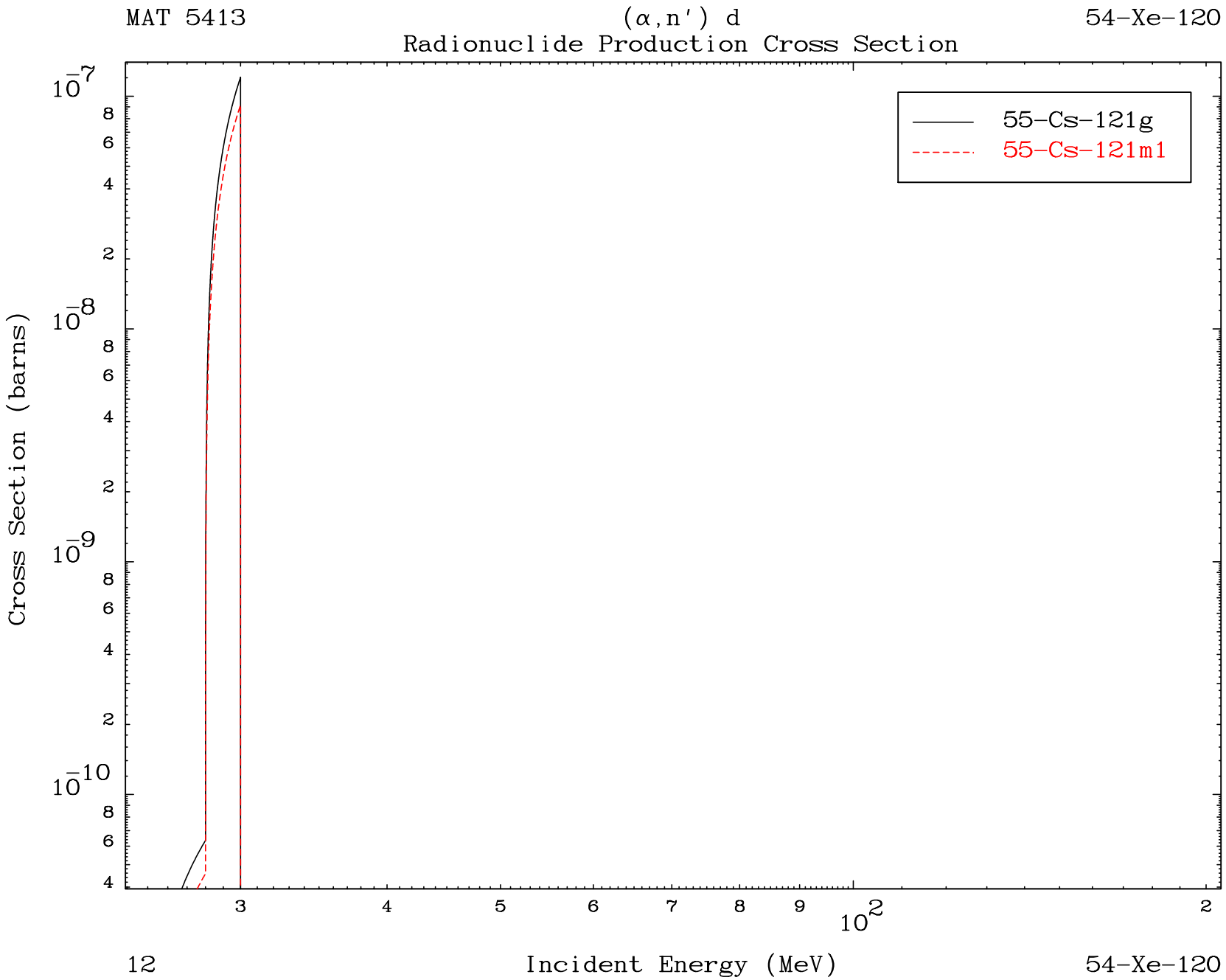

MAT 5413
(α,d) Levels
54-Xe-120
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
54-Xe-120

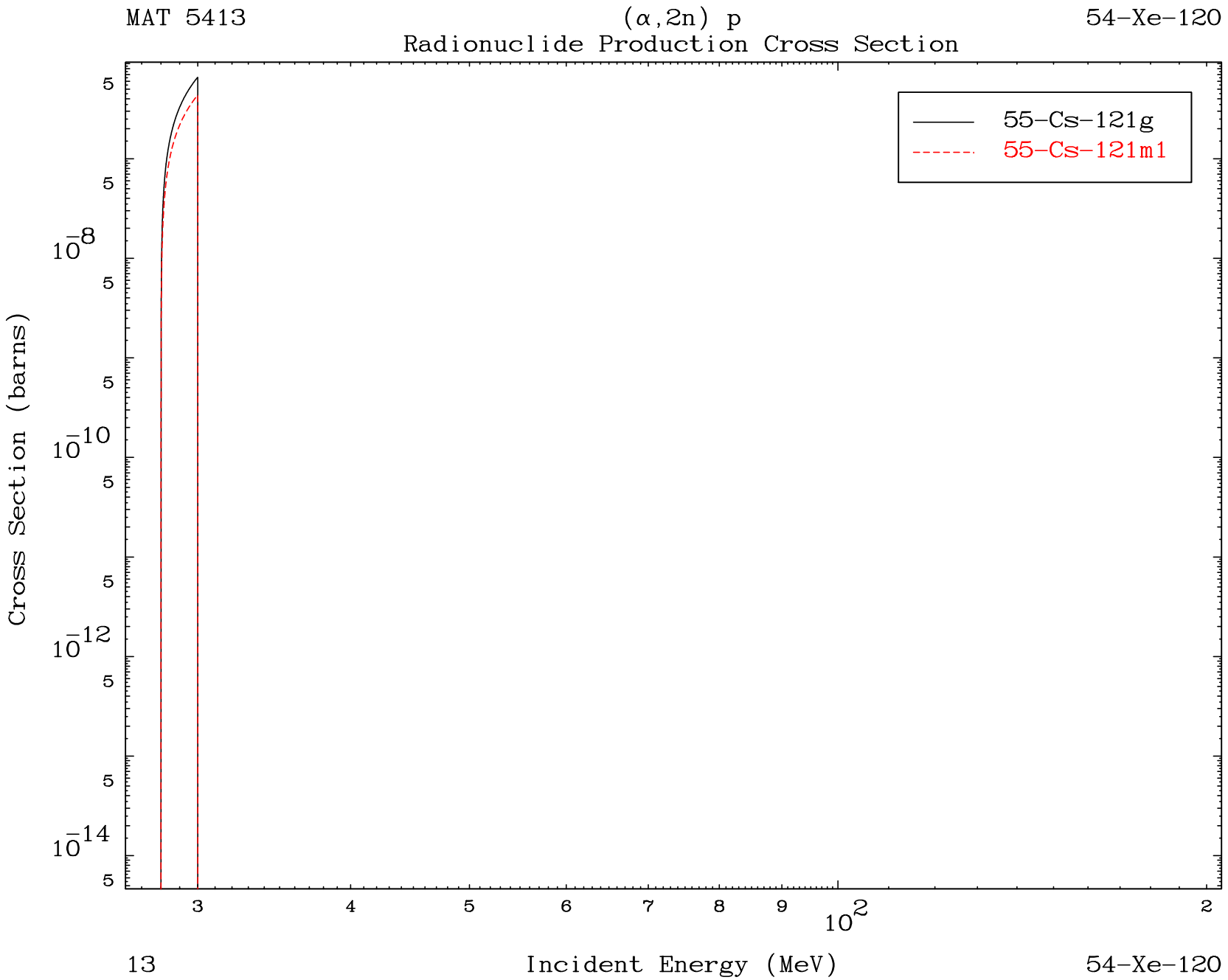

MAT 5413
(α,t) Levels
0 Kelvin Cross Sections
54-Xe-120
(α,t)
Cross Section (barns)
Incident Energy (MeV)
8
54-Xe-120

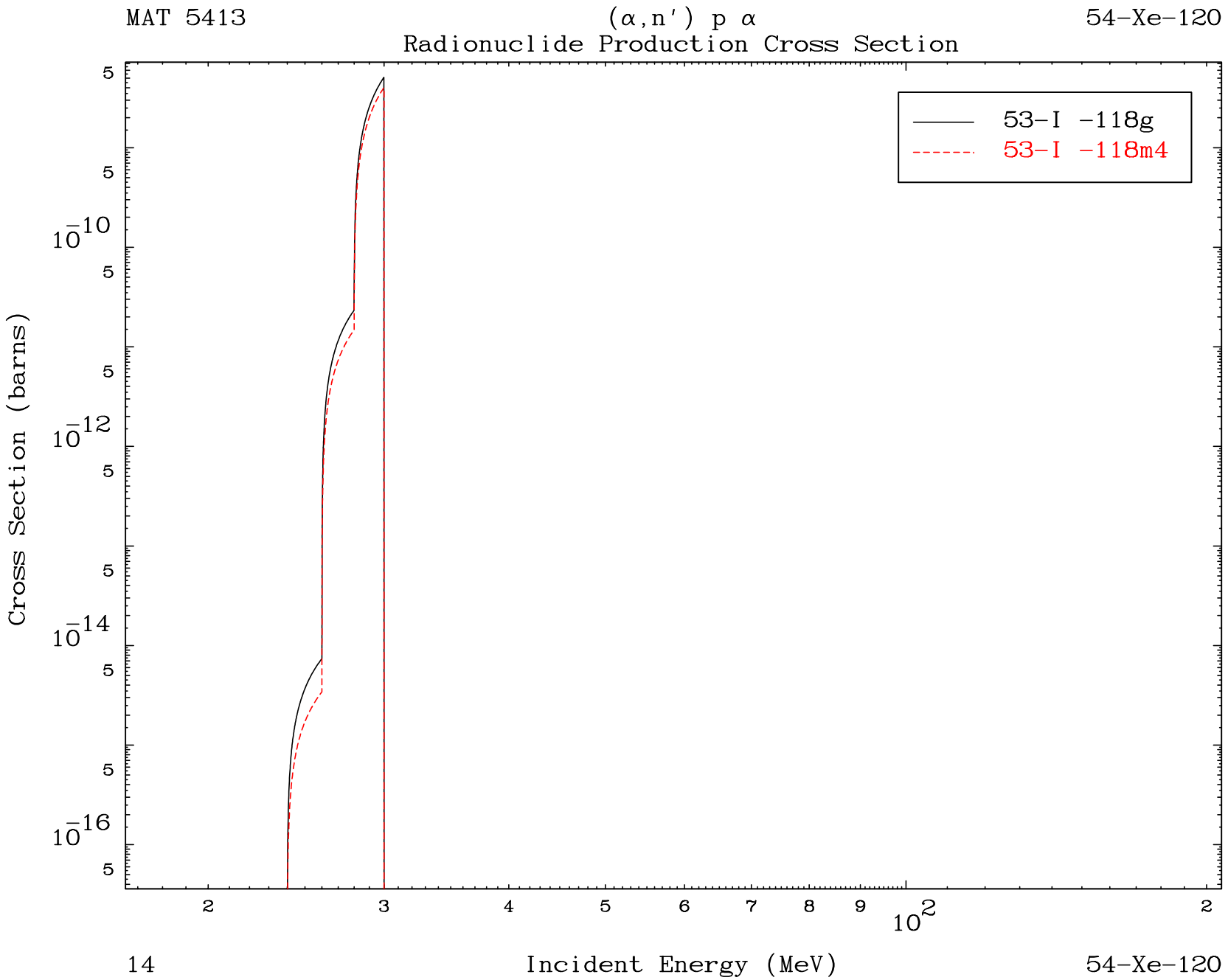

MAT 5413
(α,He3) Levels
54-Xe-120
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
54-Xe-120

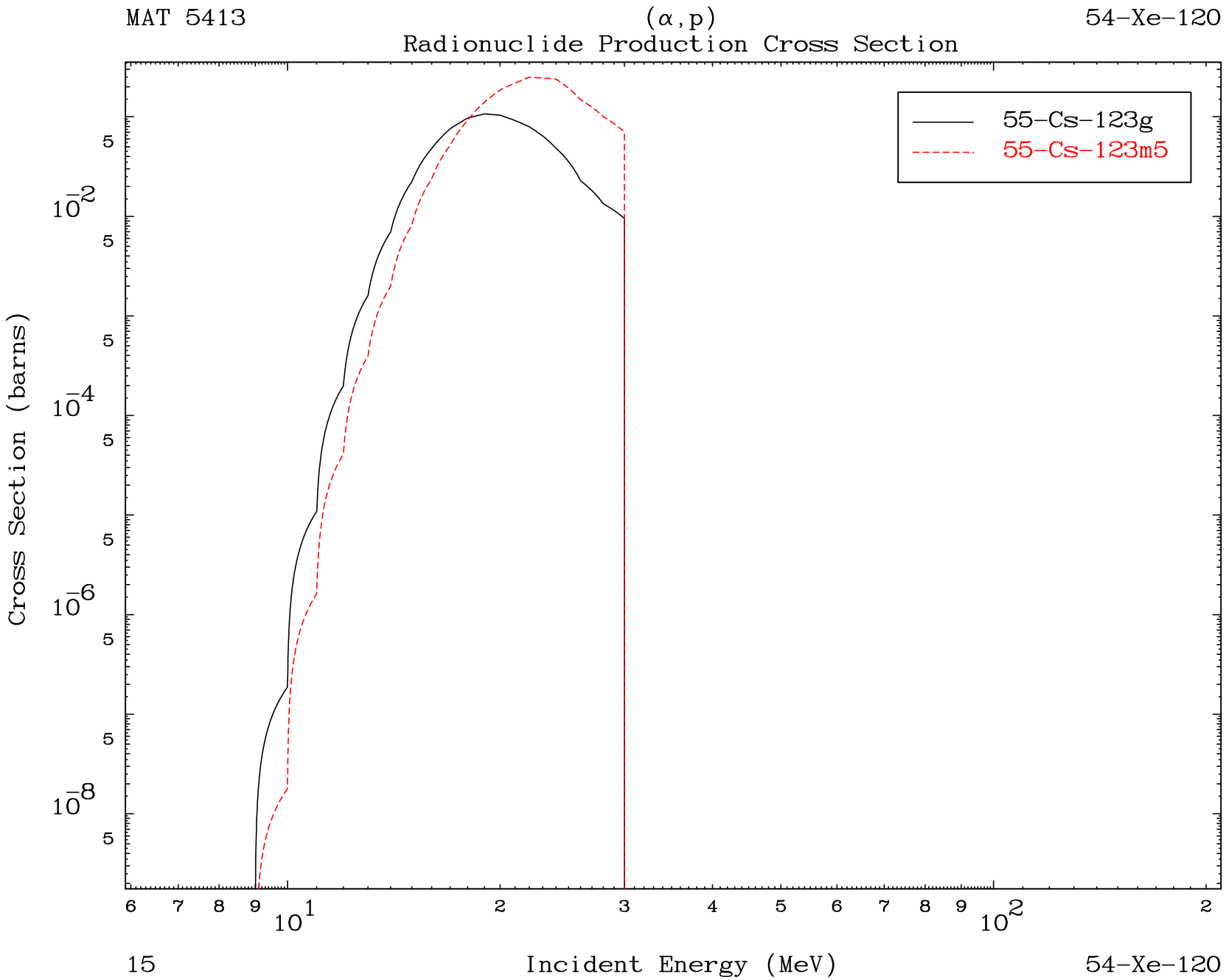

MAT 5413
(α,α) Levels
54-Xe-120
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
54-Xe-120

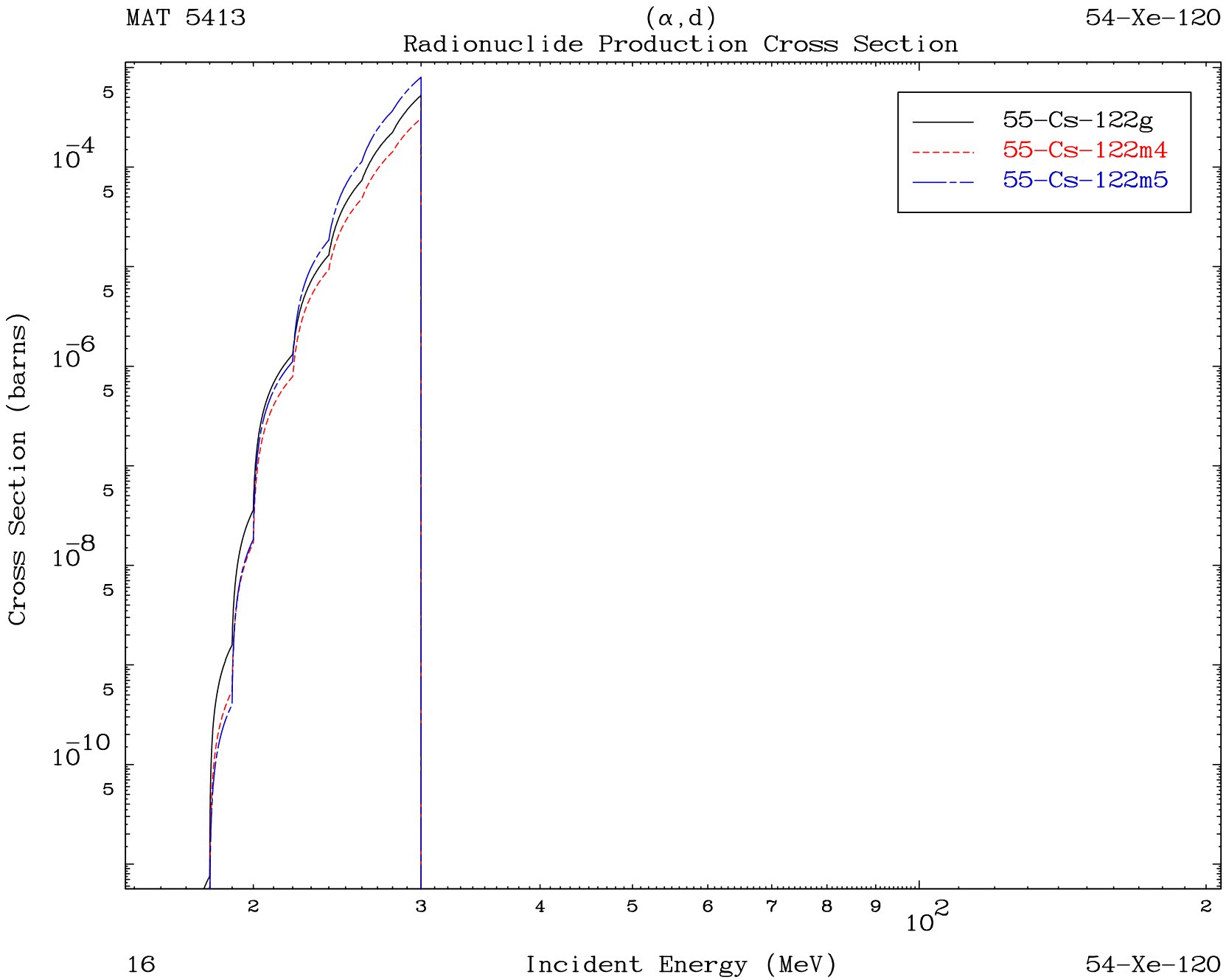

MAT 5413
(α,n') p
54-Xe-120
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m4
55-Cs-122m5
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
54-Xe-120

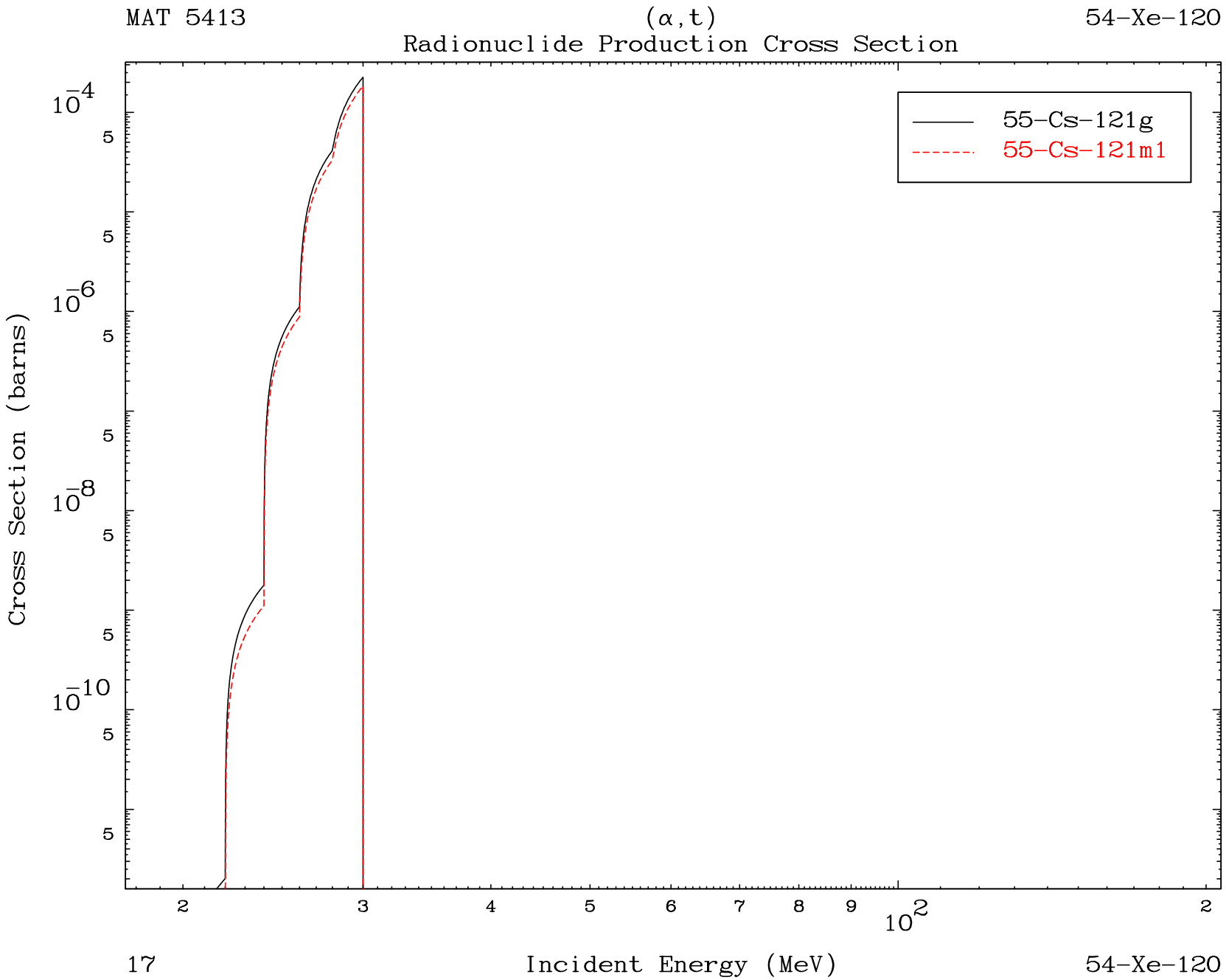

MAT 5413
(α,n') d
54-Xe-120
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
10-7
10-8
10-9
10-10
8
6
4
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
54-Xe-120


MAT 5413
(α,2n) p
54-Xe-120
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
54-Xe-120


MAT 5413
(α,n') p α
54-Xe-120
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
14
Incident Energy (MeV)
54-Xe-120


MAT 5413
(α,p)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
54-Xe-120


MAT 5413
(α,d)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m4
55-Cs-122m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
54-Xe-120


MAT 5413
(α,t)
54-Xe-120
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
54-Xe-120