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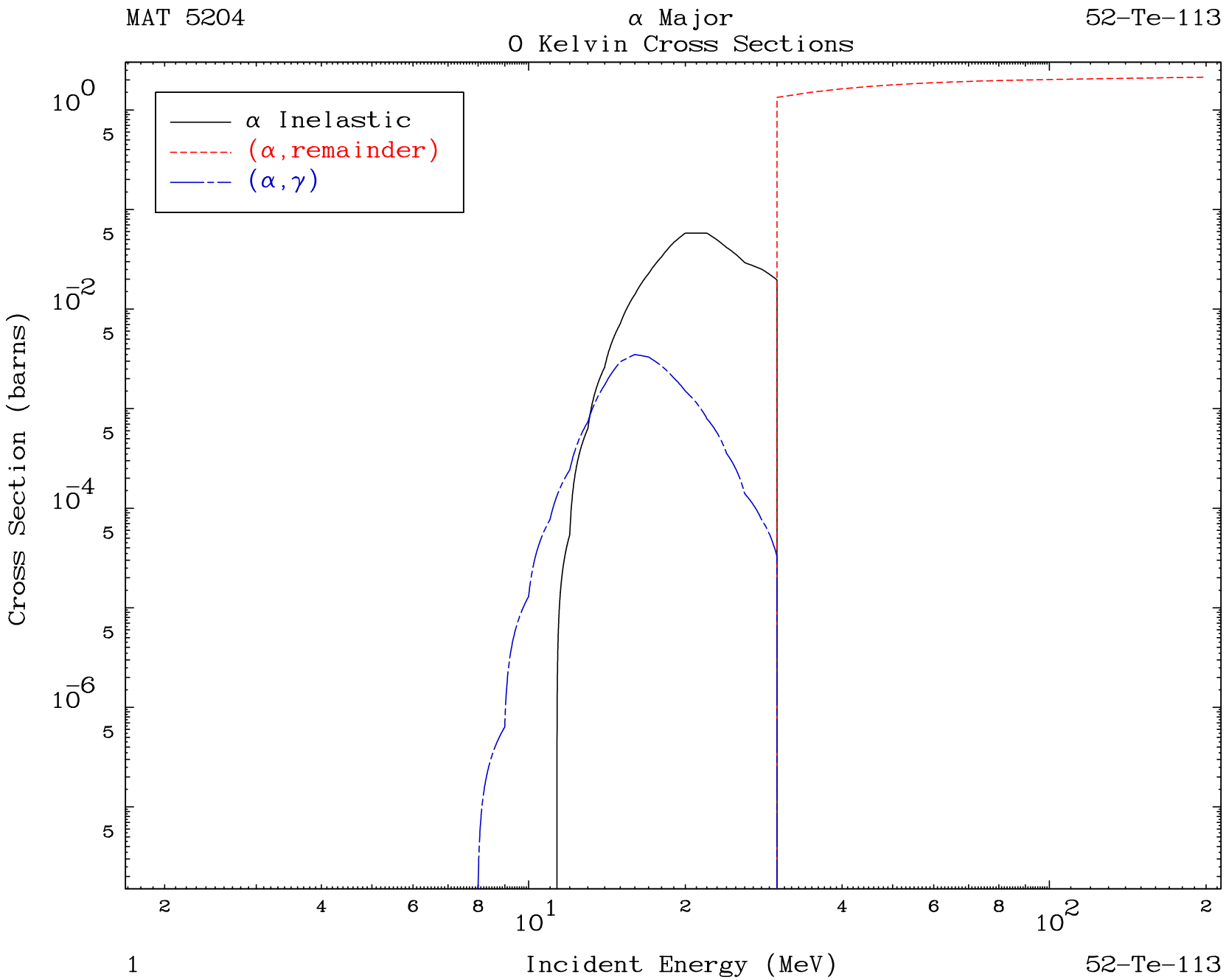
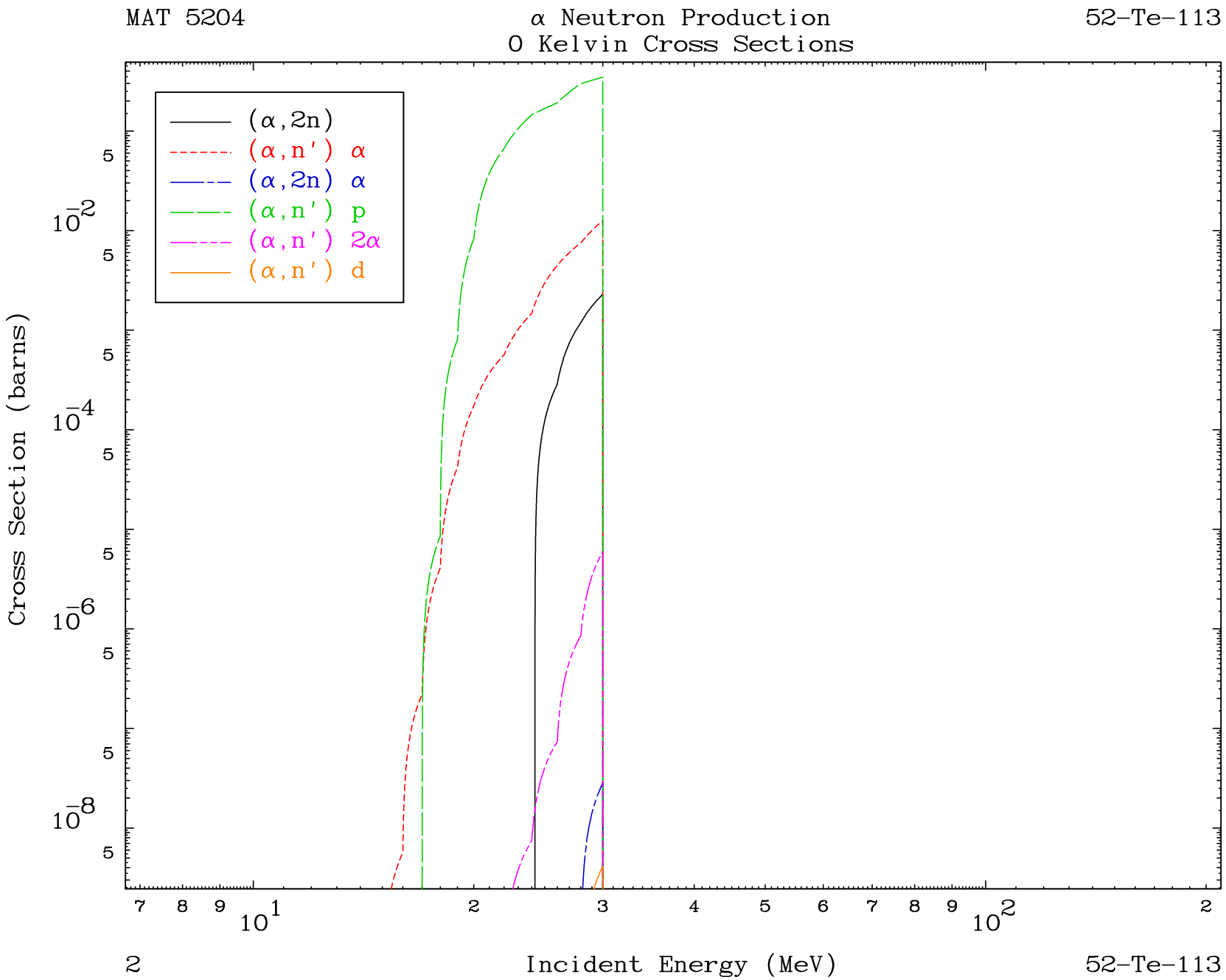
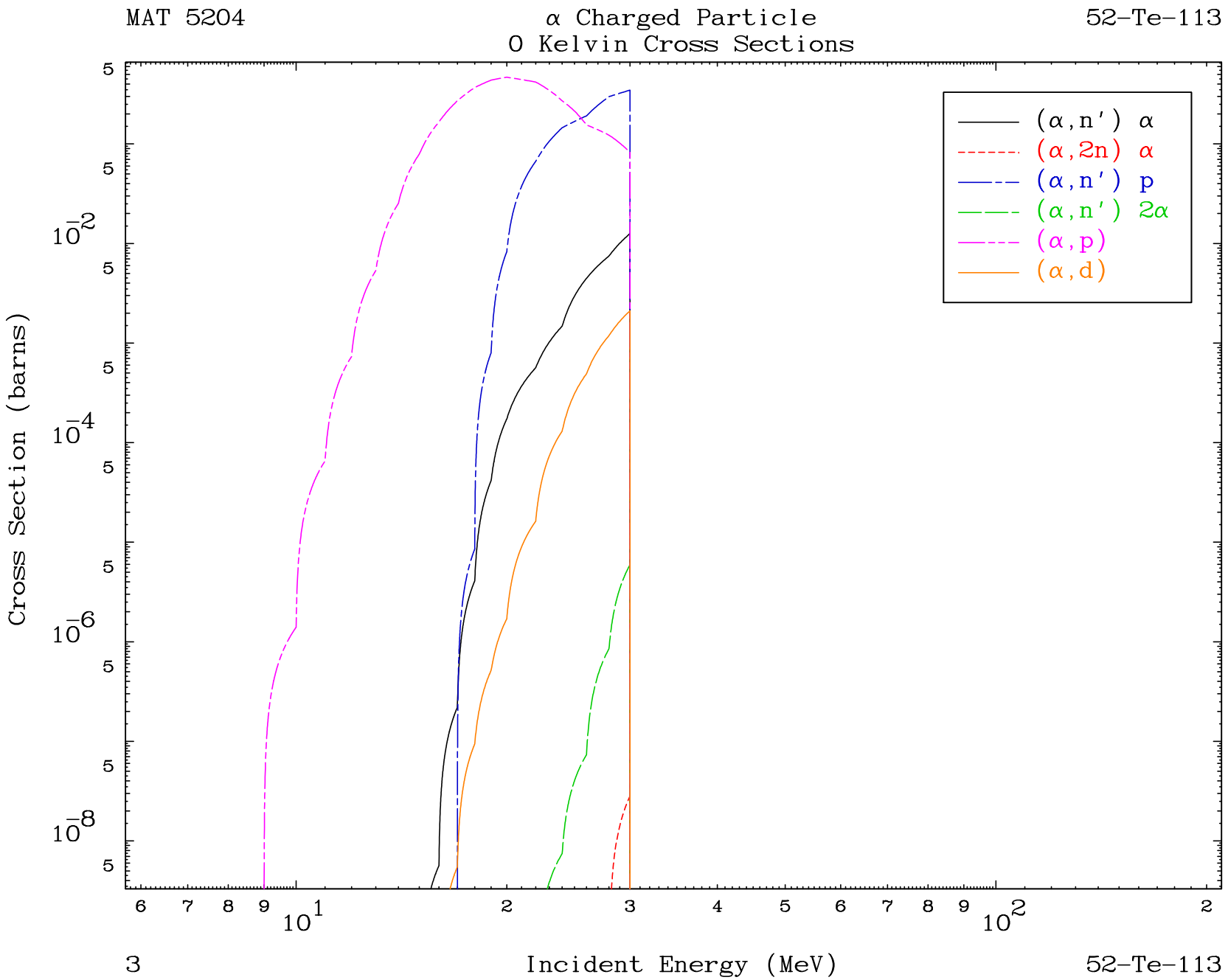
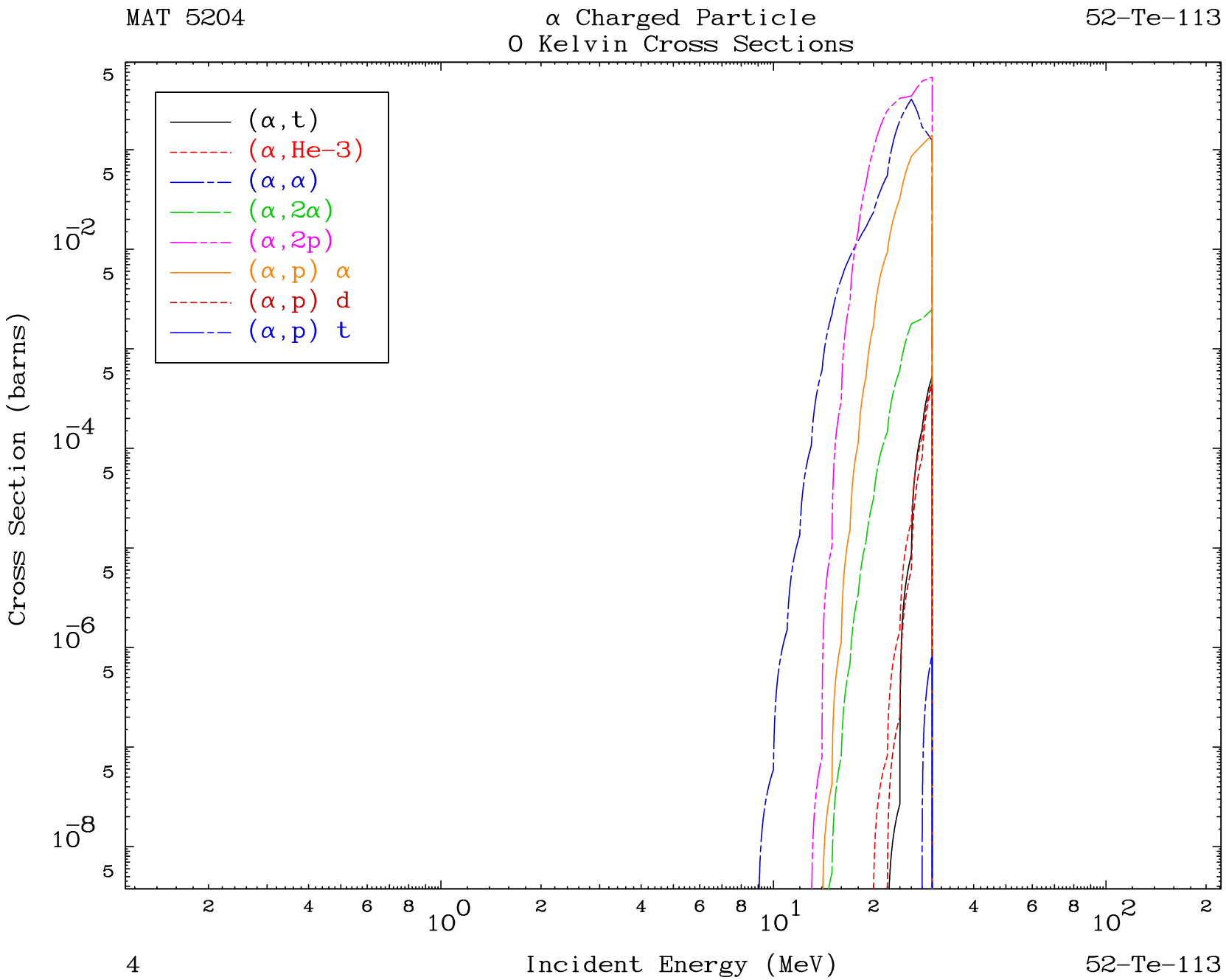
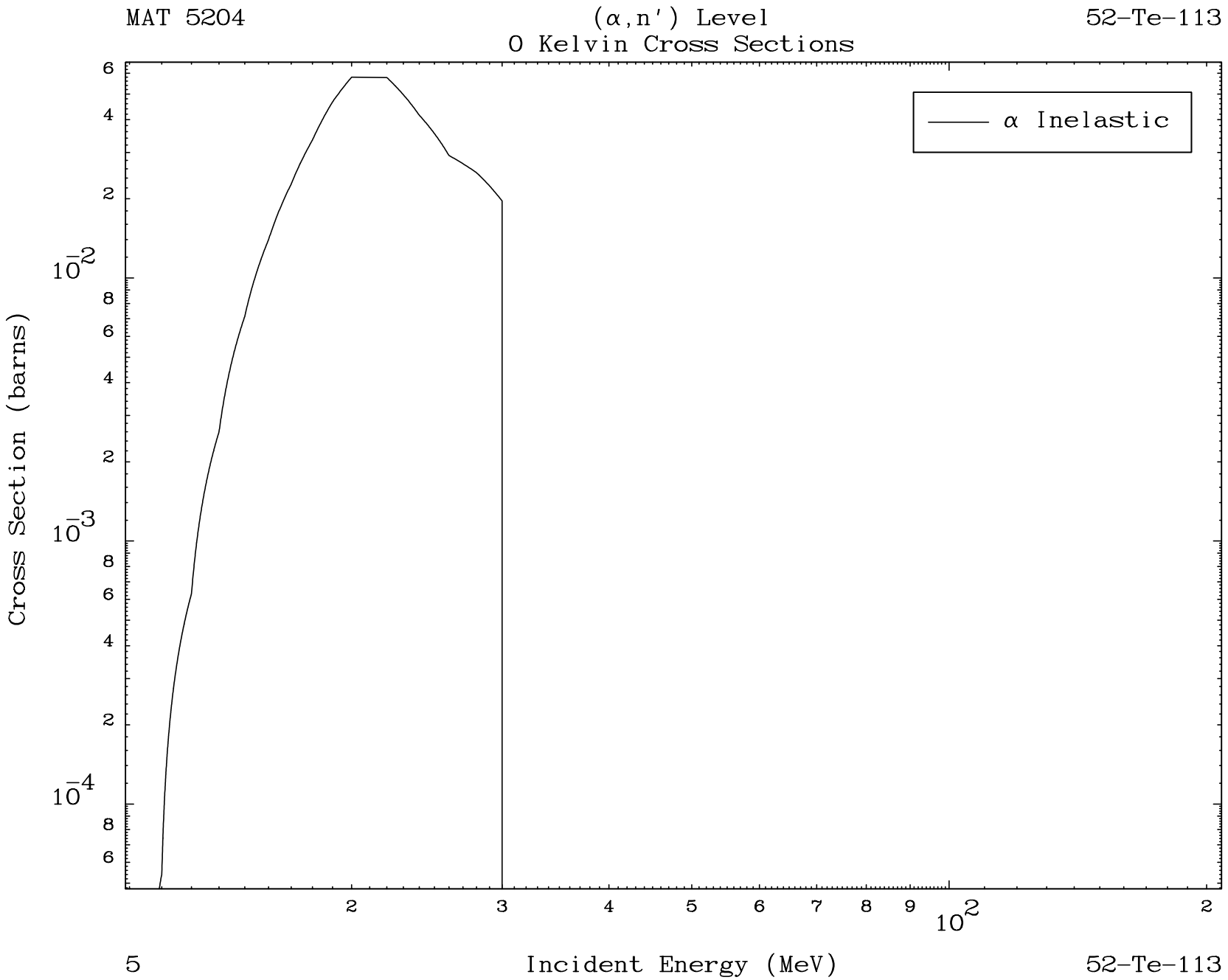
Press Mouse Button to Start

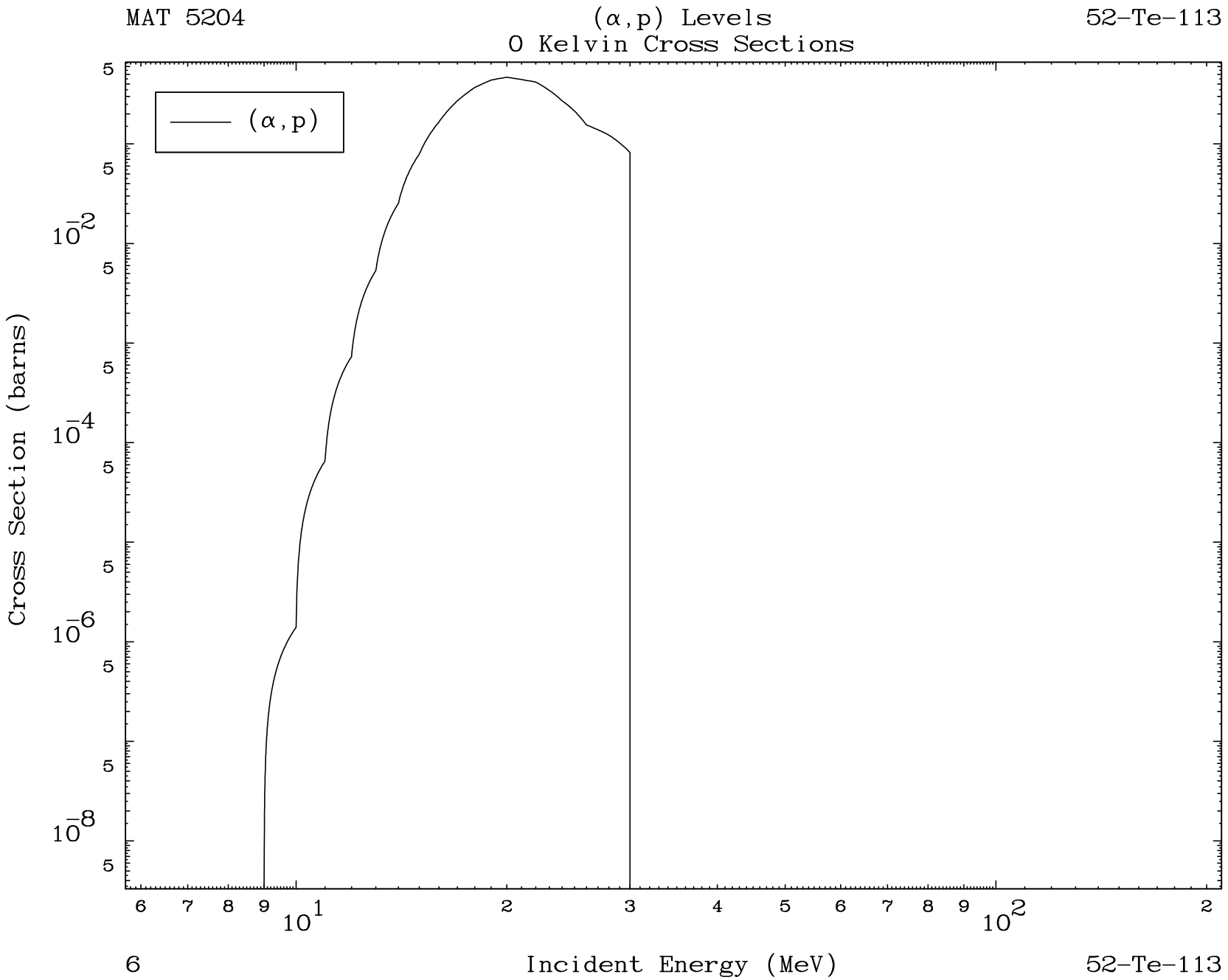

MAT 5204
α Major
52-Te-113
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-113


MAT 5204
α Neutron Production
0 Kelvin Cross Sections
52-Te-113
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
Cross Section (barns)
Incident Energy (MeV)
52-Te-113

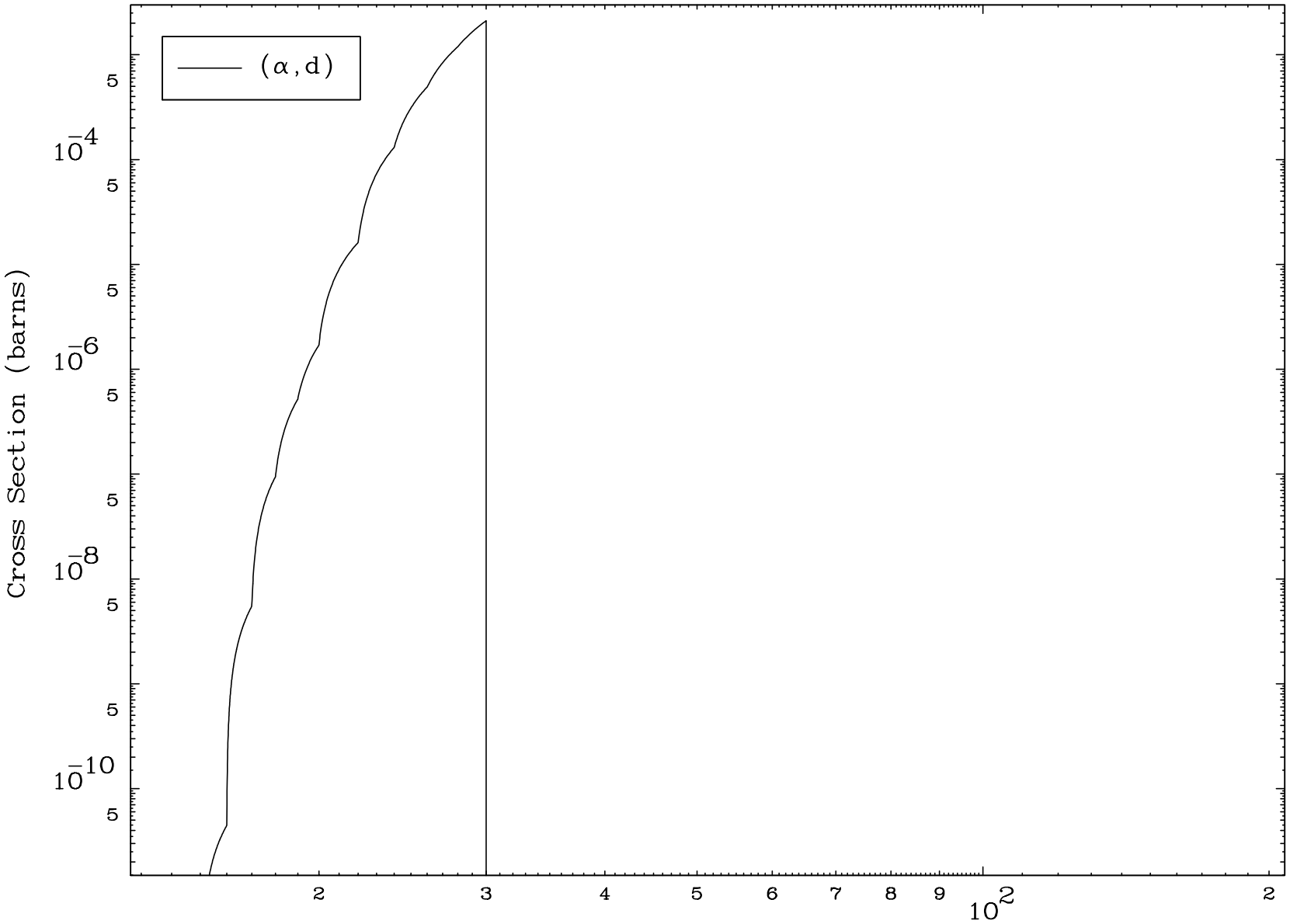

MAT 5204
α Charged Particle
0 Kelvin Cross Sections
52-Te-113
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-113

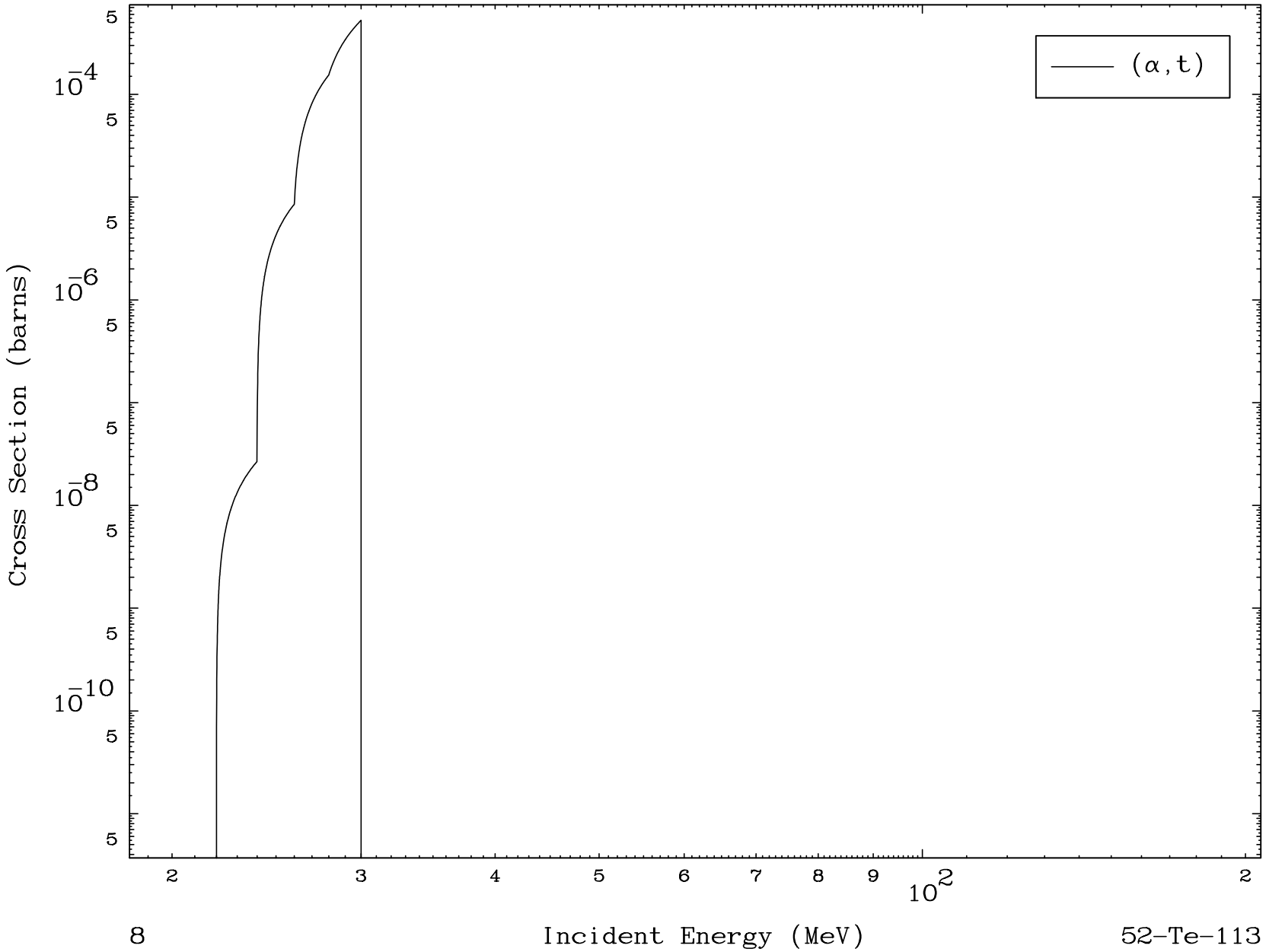

MAT 5204
α Charged Particle
0 Kelvin Cross Sections
52-Te-113
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-113

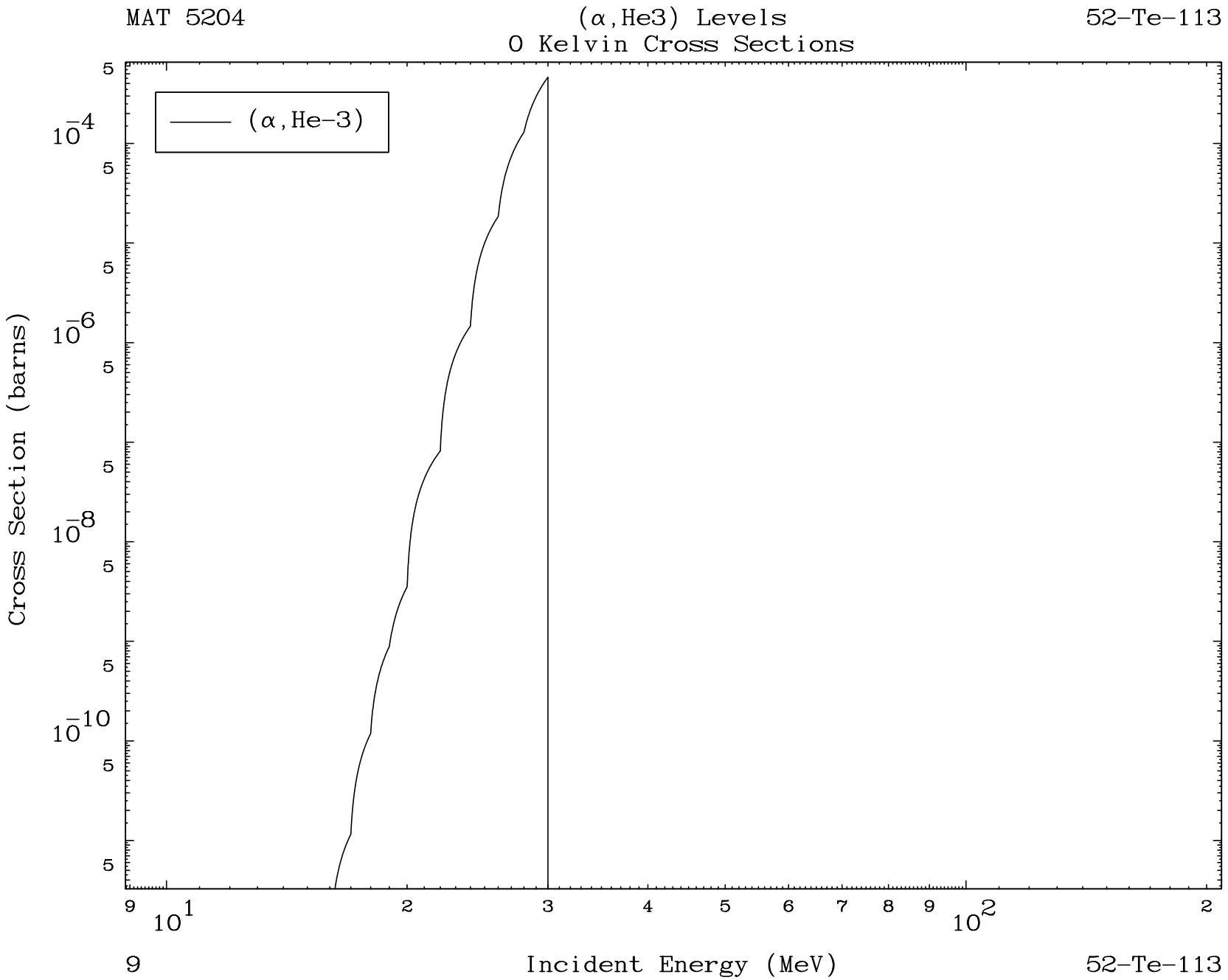

MAT 5204
(α,n') Level
52-Te-113
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
6
4
2
10-2
8
6
4
2
10-3
8
6
4
2
10-4
8
6
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
52-Te-113

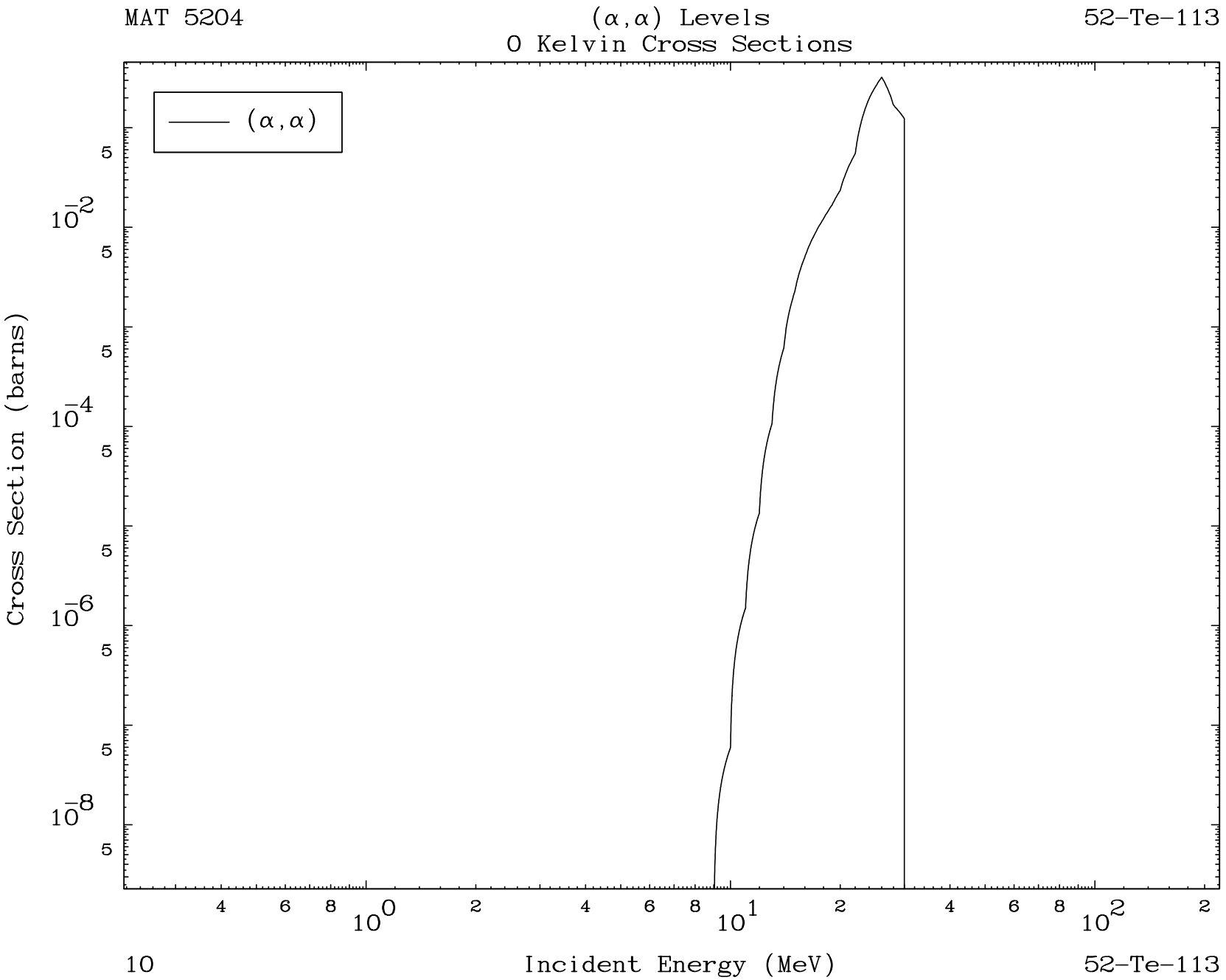

MAT 5204
(α,p) Levels
52-Te-113
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
52-Te-113

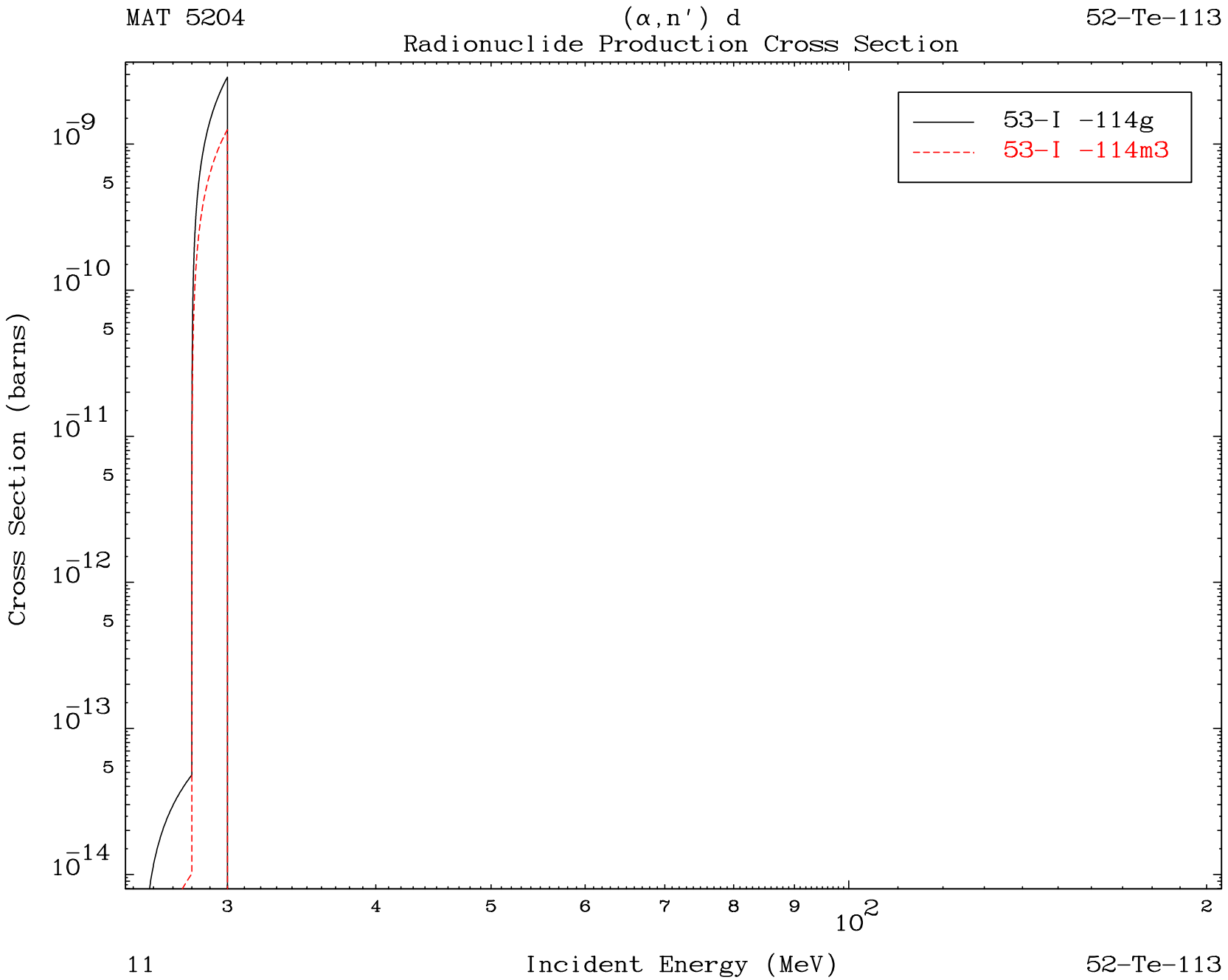
0 Kelvin Cross Sections

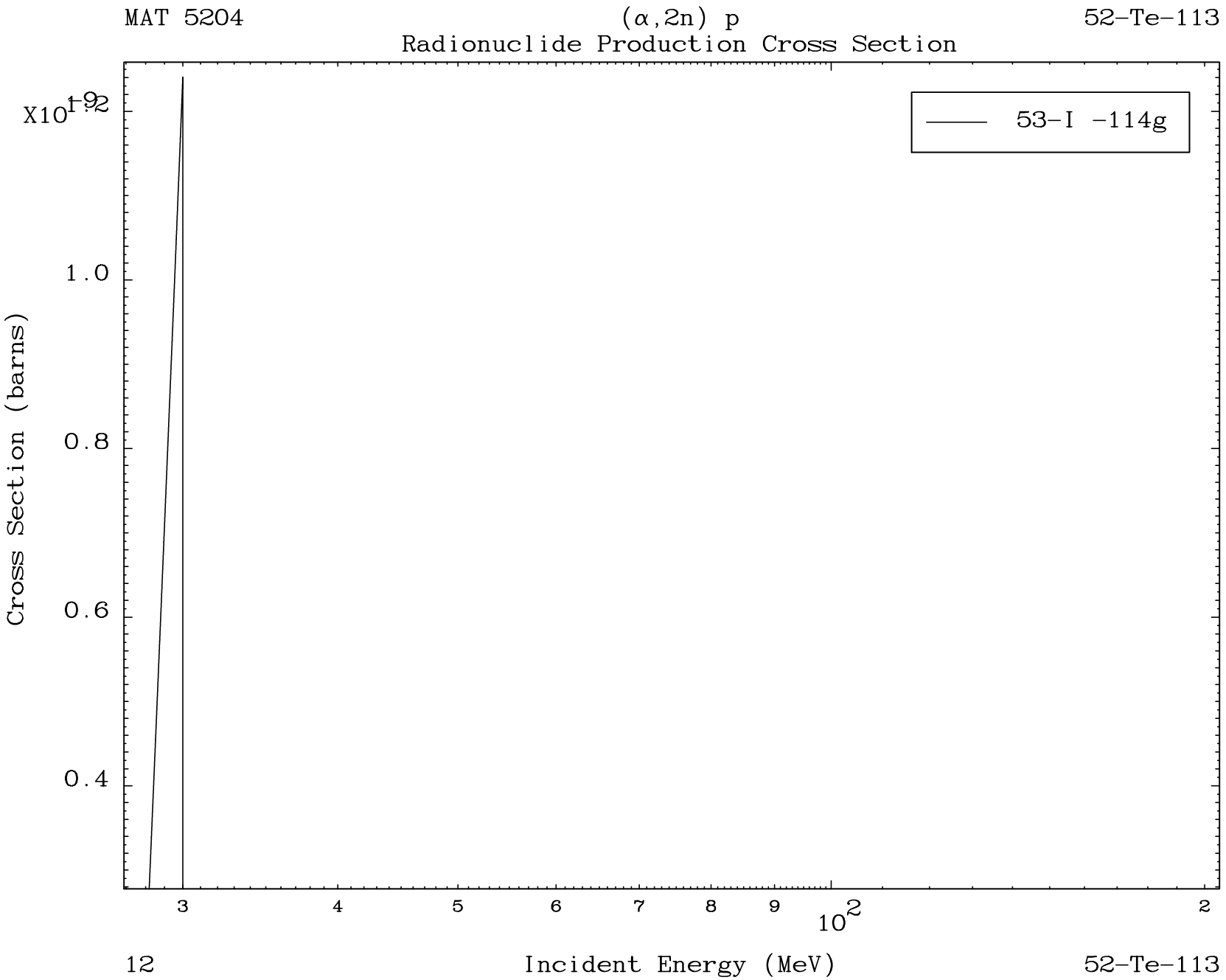


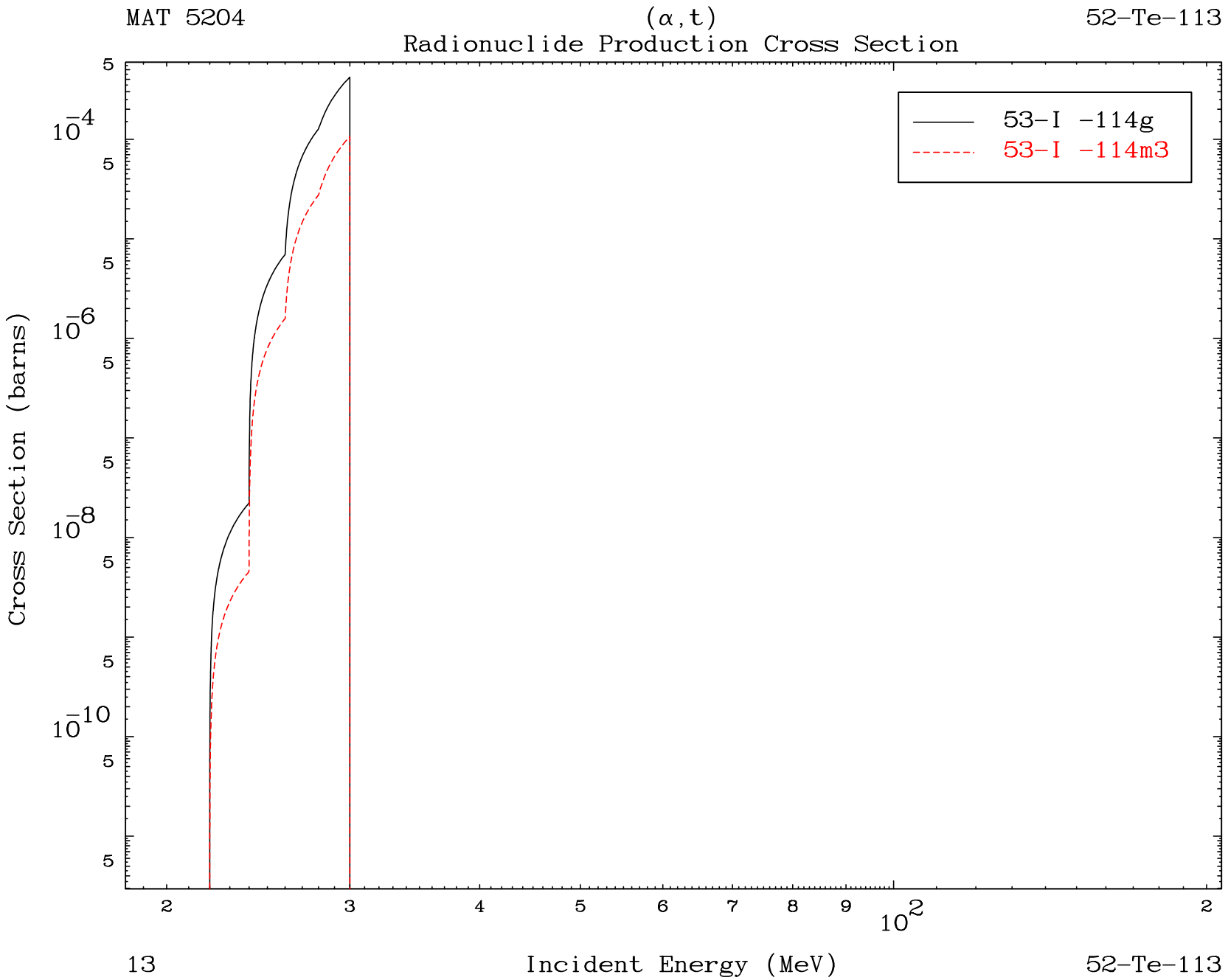

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
(α,t)
Incident Energy (MeV)

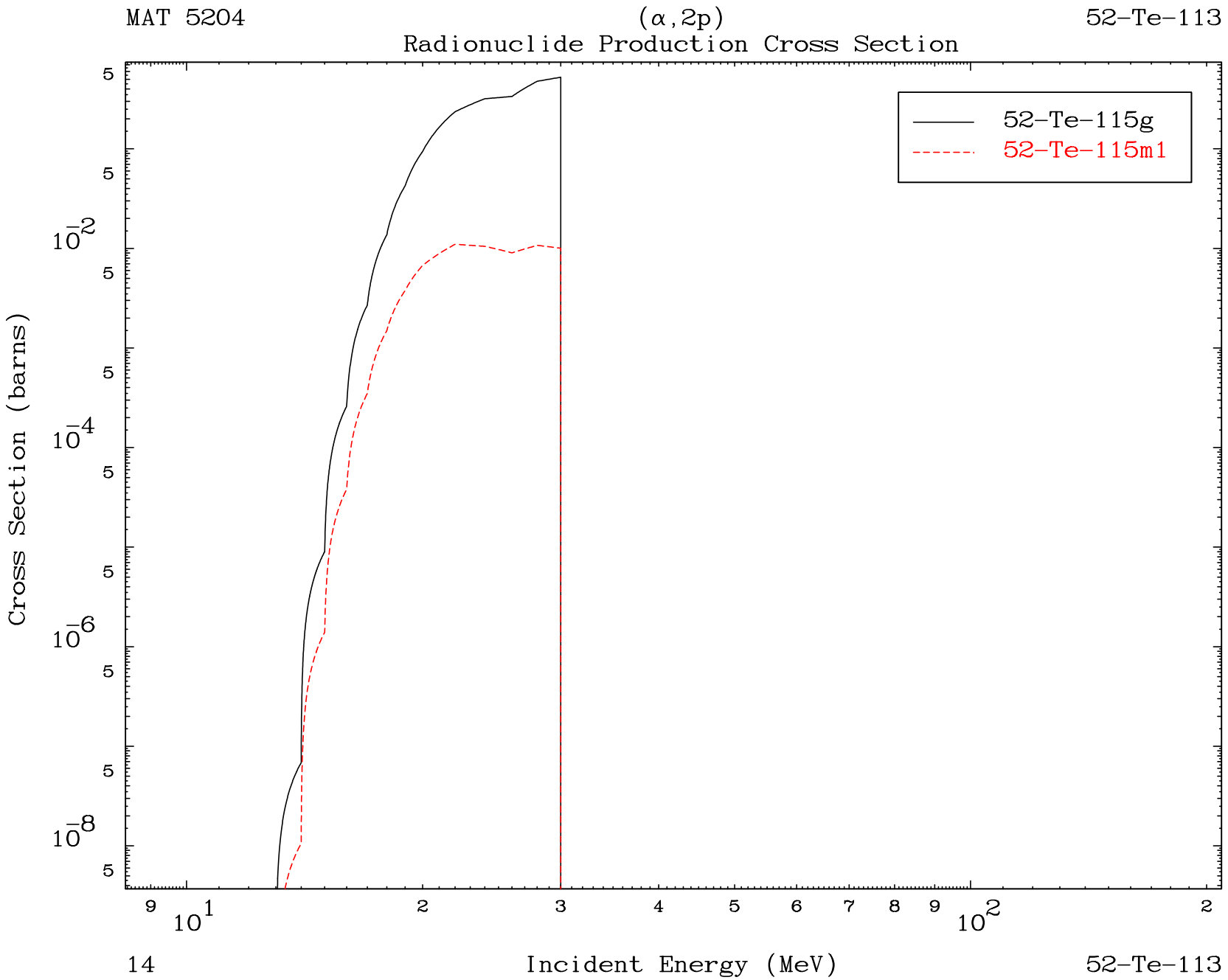

MAT 5204
(α,He3) Levels
52-Te-113
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
52-Te-113


MAT 5204
(α,α) Levels
52-Te-113
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^0
10^1
10^2
2
4
6
8
10
Incident Energy (MeV)
52-Te-113


MAT 5204
(α,n') d
52-Te-113
Radionuclide Production Cross Section
53-I -114g
53-I -114m3
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
52-Te-113


MAT 5204
(α,2n) p
52-Te-113
Radionuclide Production Cross Section
X10-2
1.2
1.0
0.8
0.6
0.4
Cross Section (barns)
53-I -114g
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
52-Te-113


MAT 5204
(α,t)
52-Te-113
Radionuclide Production Cross Section
53-I -114g
53-I -114m3
Cross Section (barns)
Incident Energy (MeV)
13
52-Te-113


MAT 5204
(α,2p)
52-Te-113
Radionuclide Production Cross Section
52-Te-115g
52-Te-115m1
Cross Section (barns)
Incident Energy (MeV)
14
52-Te-113