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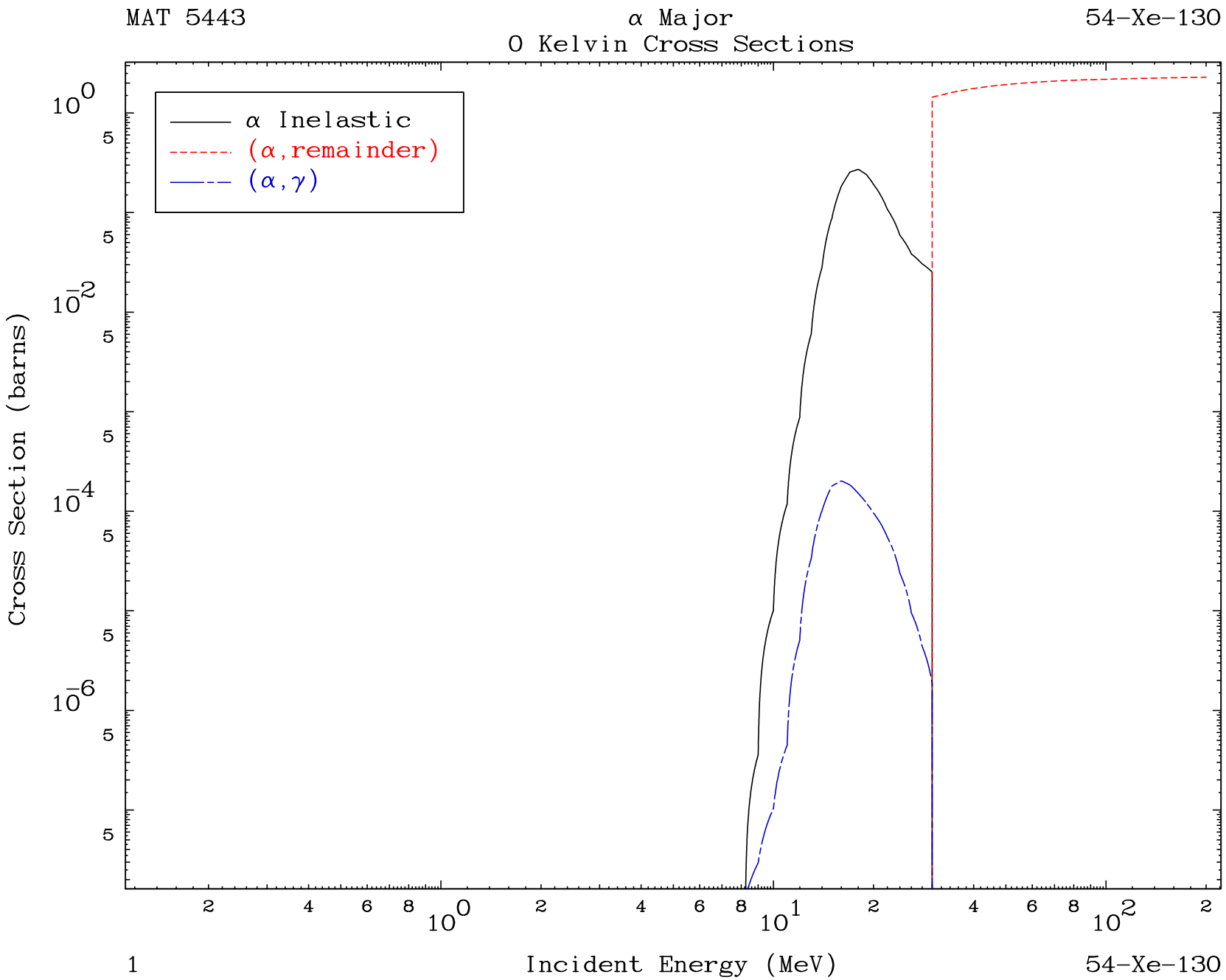
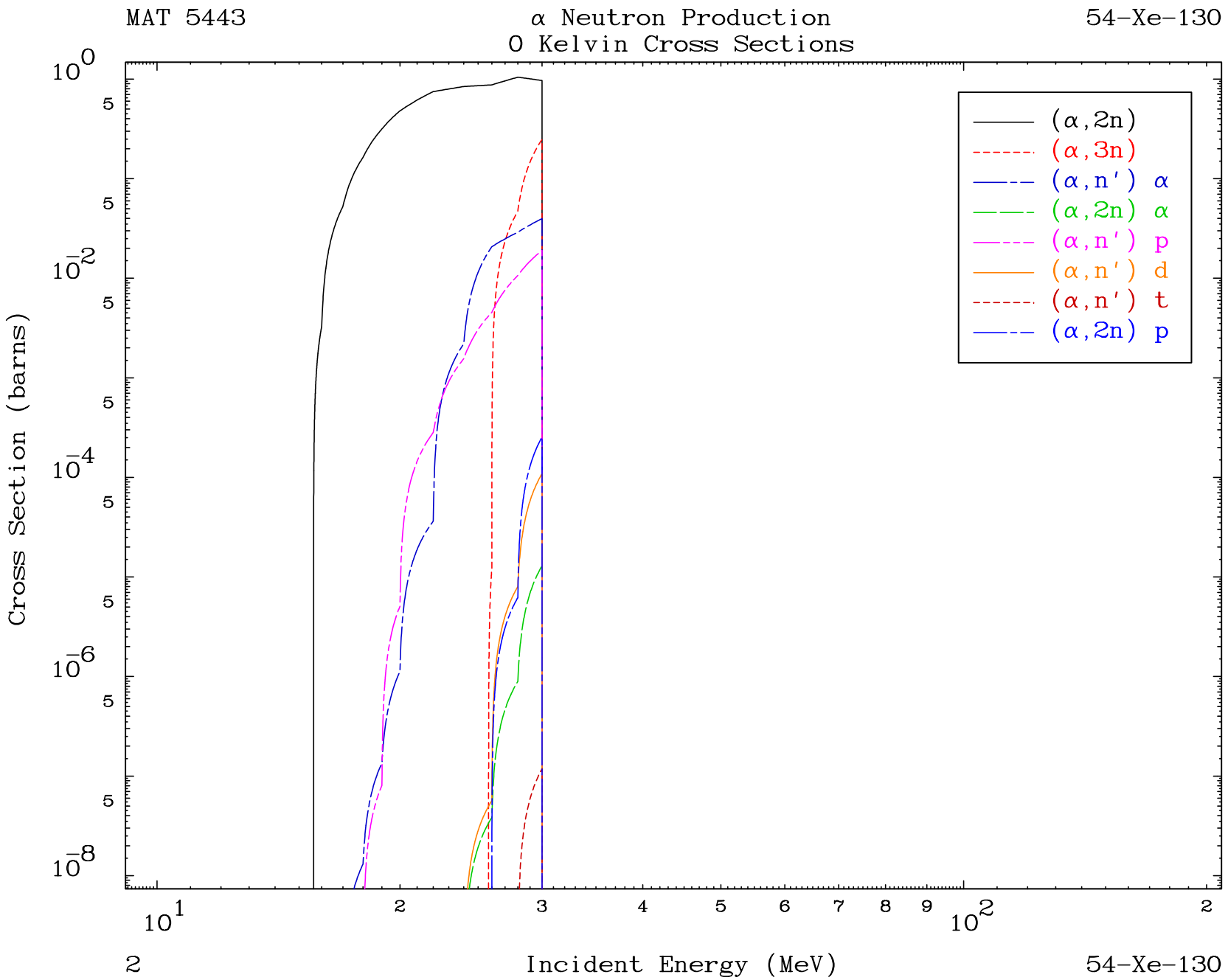
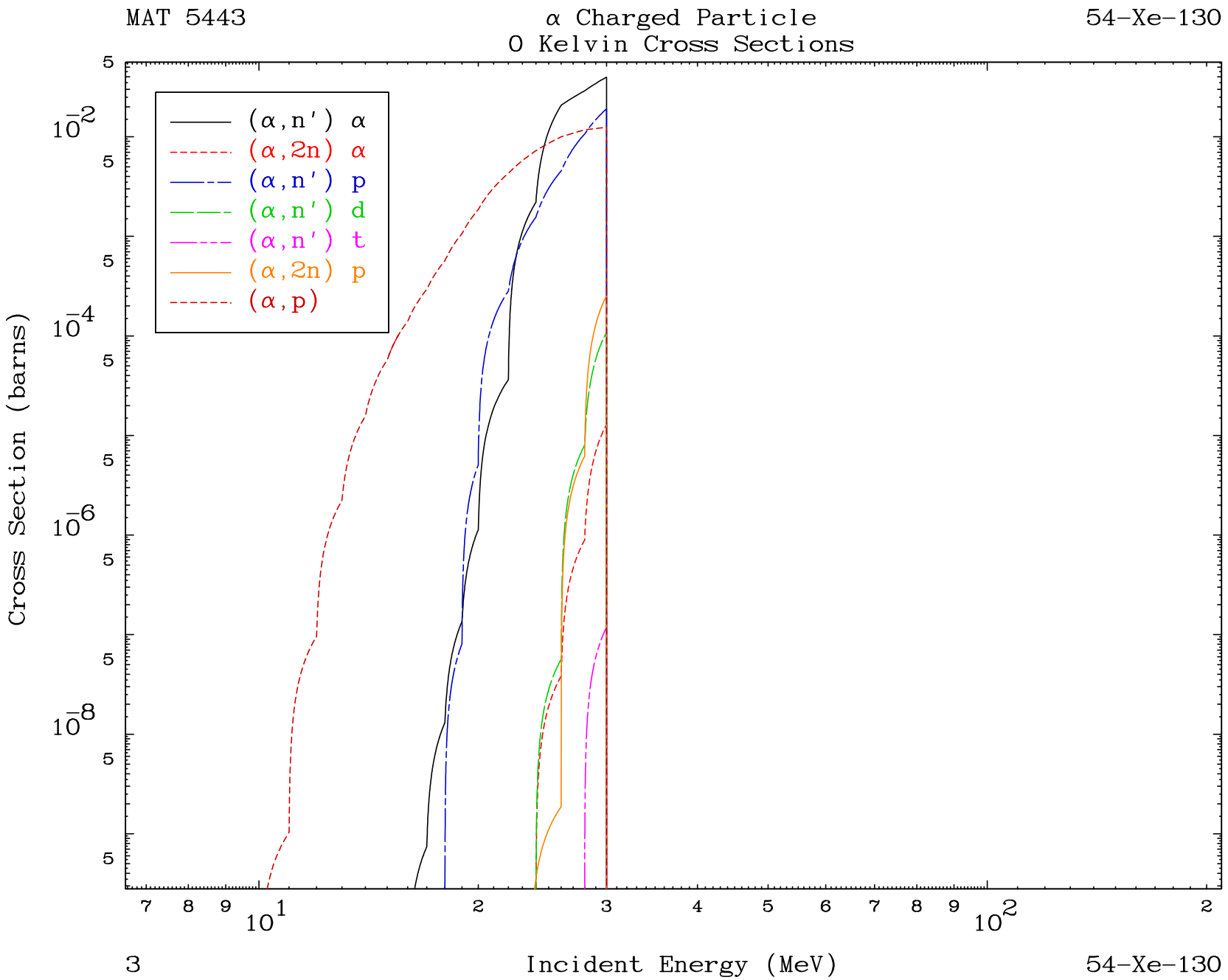
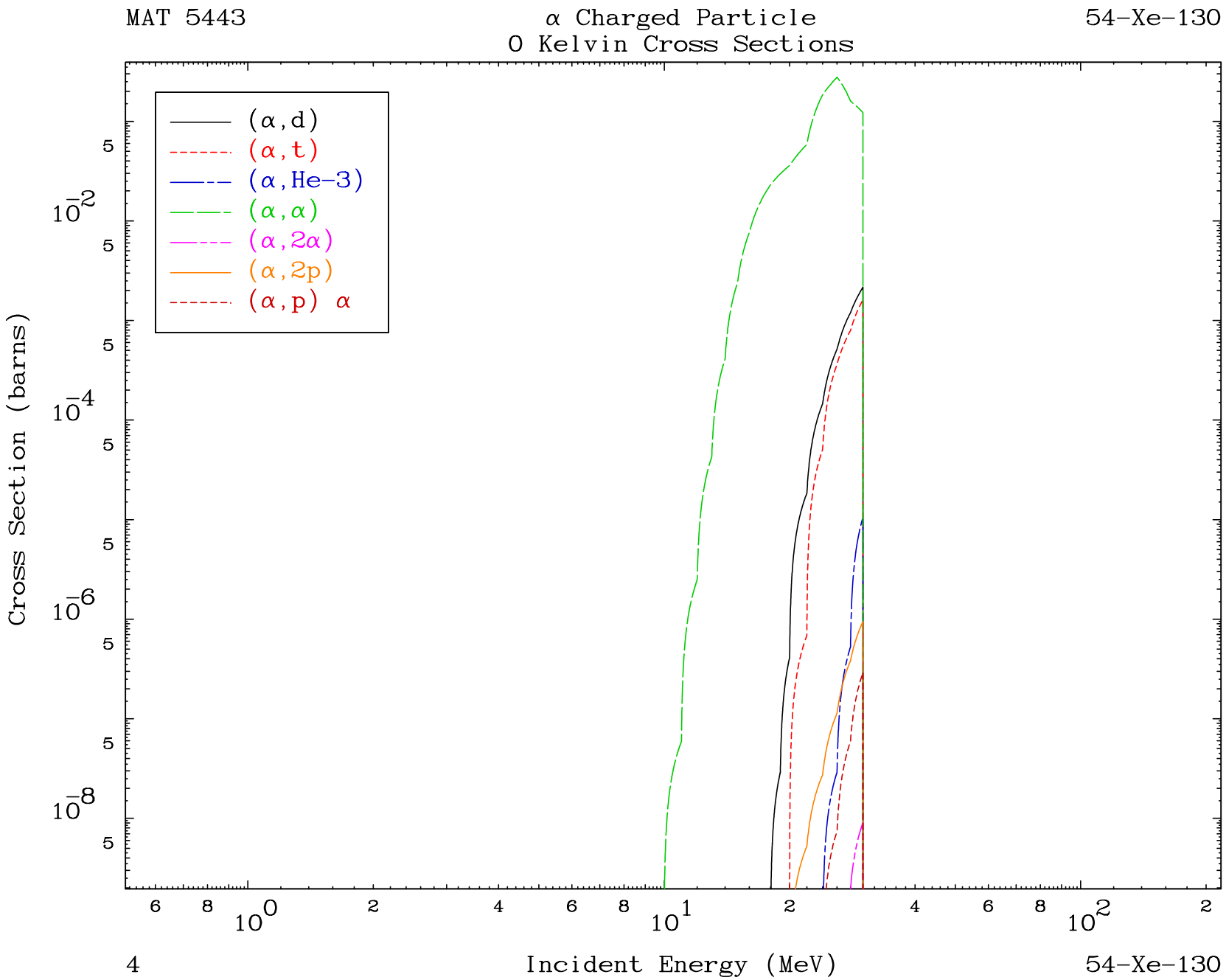
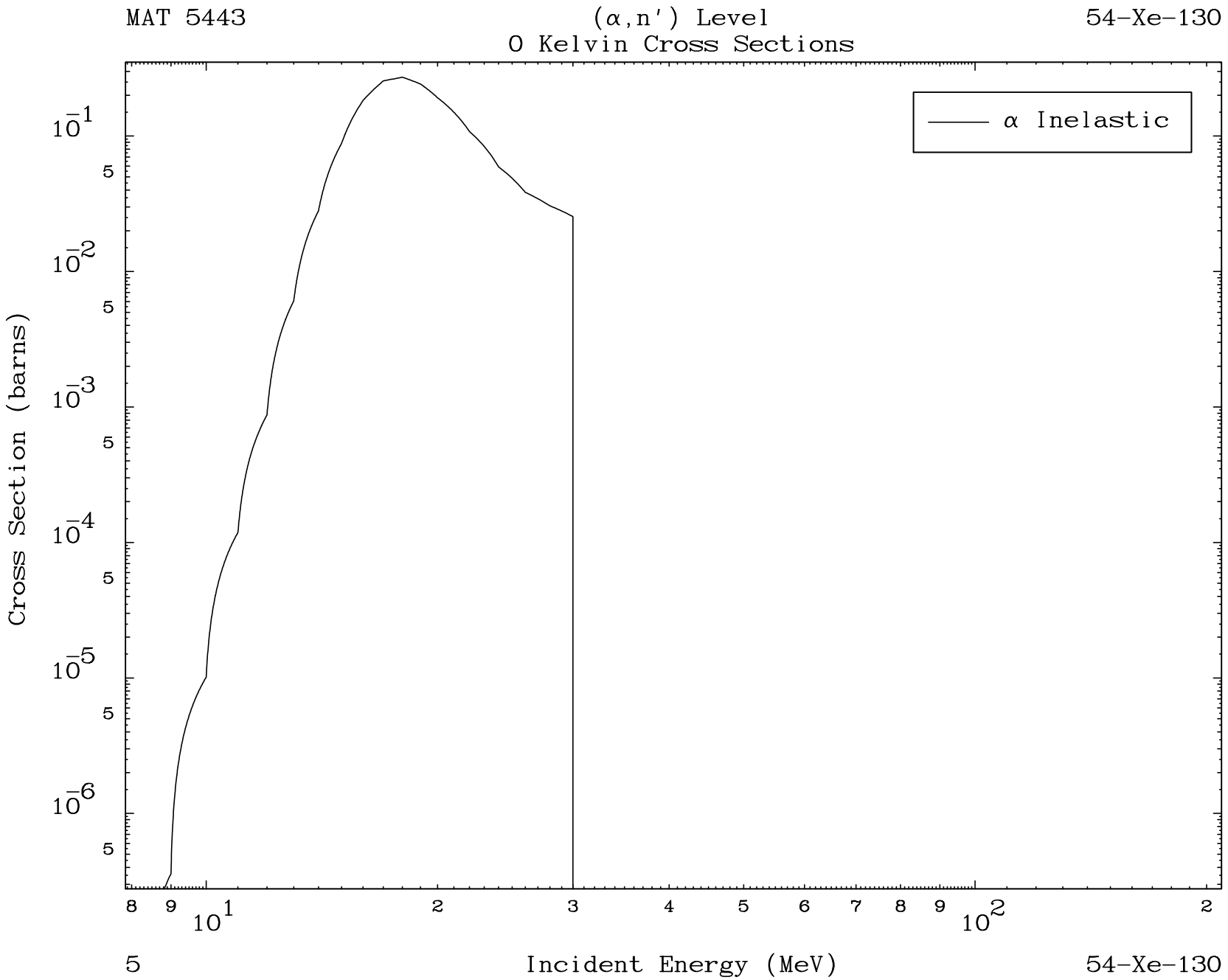
Press Mouse Button to Start

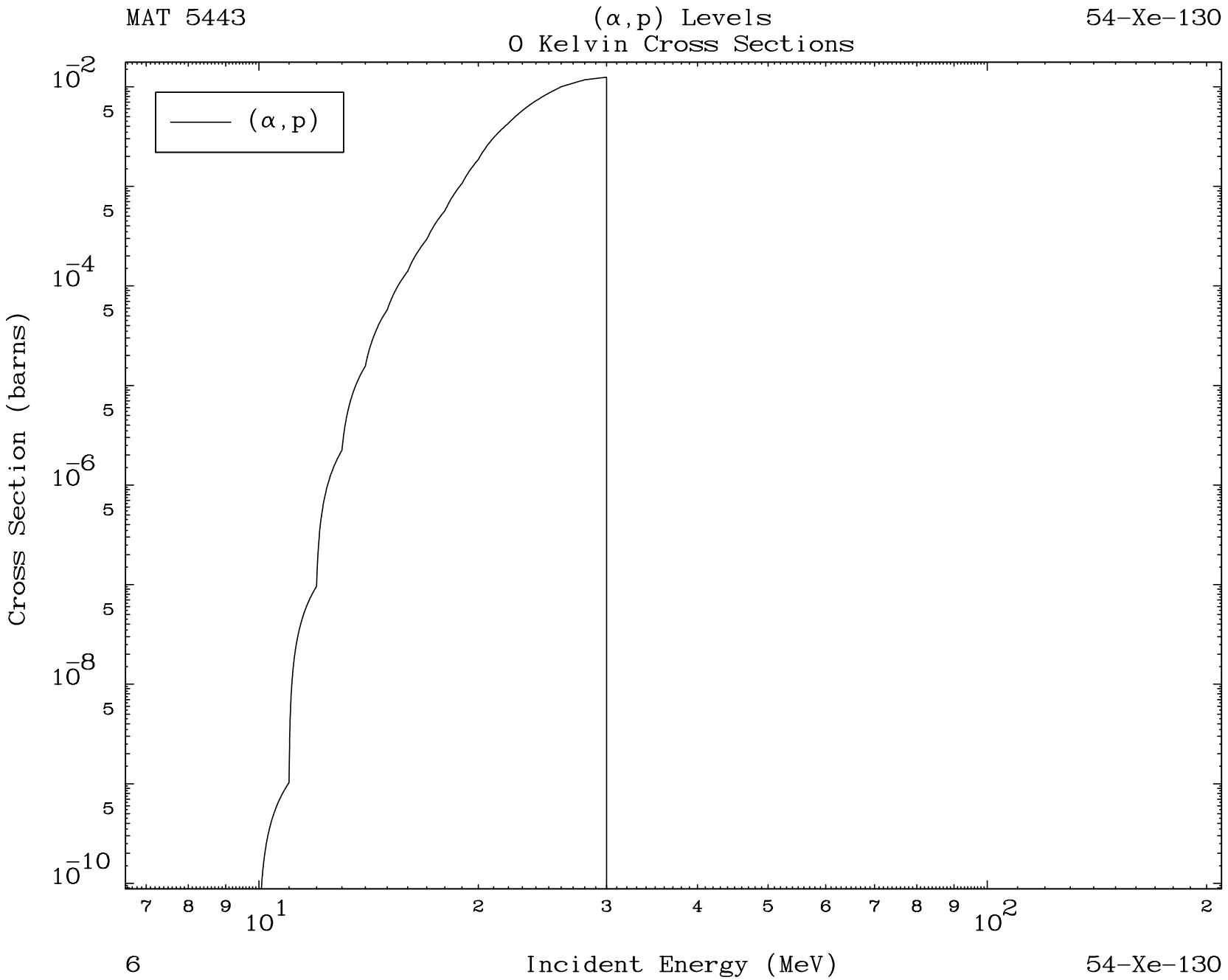

MAT 5443
α Major
54-Xe-130
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-130

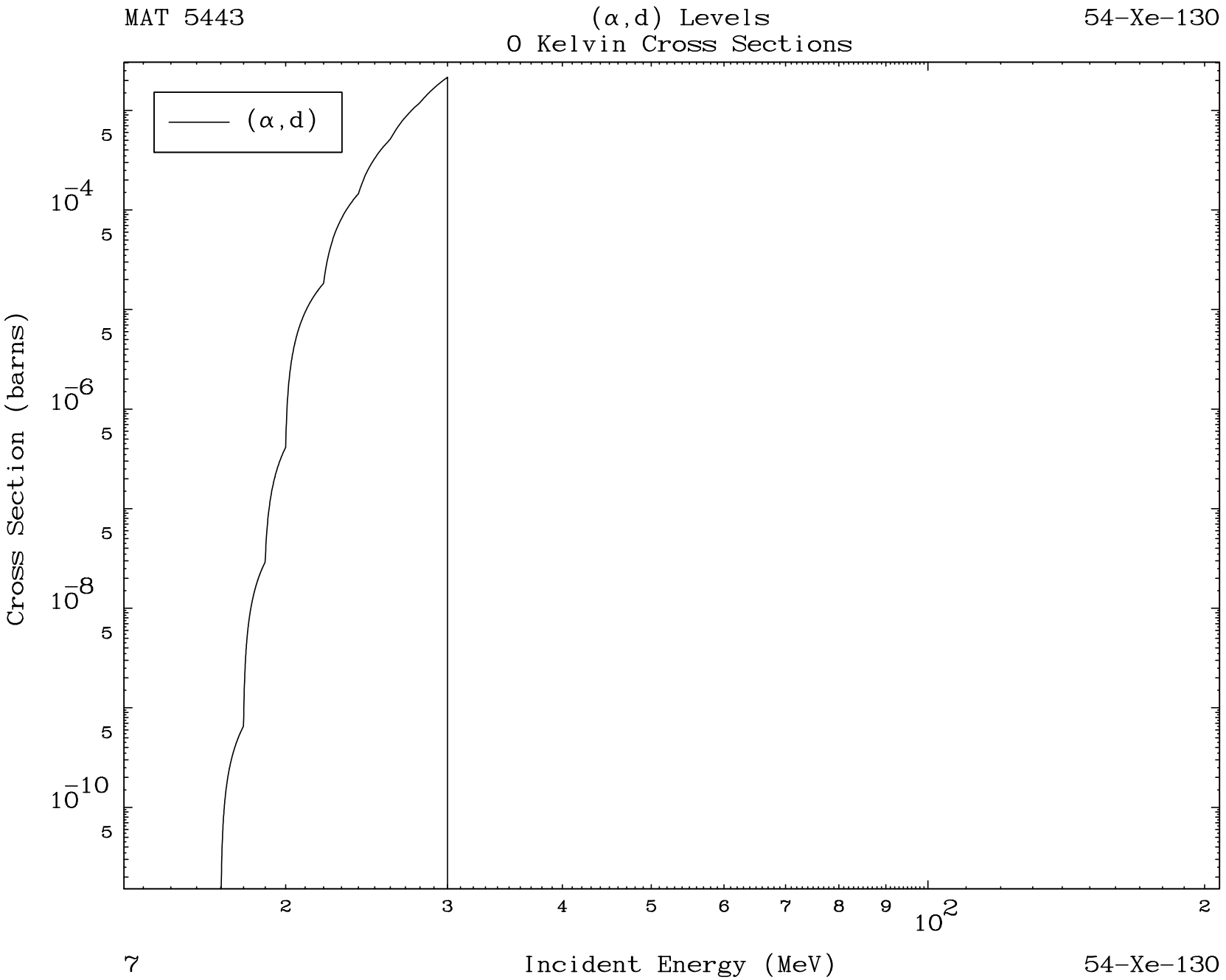

MAT 5443
α Neutron Production
0 Kelvin Cross Sections
54-Xe-130
Cross Section (barns)
Incident Energy (MeV)
54-Xe-130
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

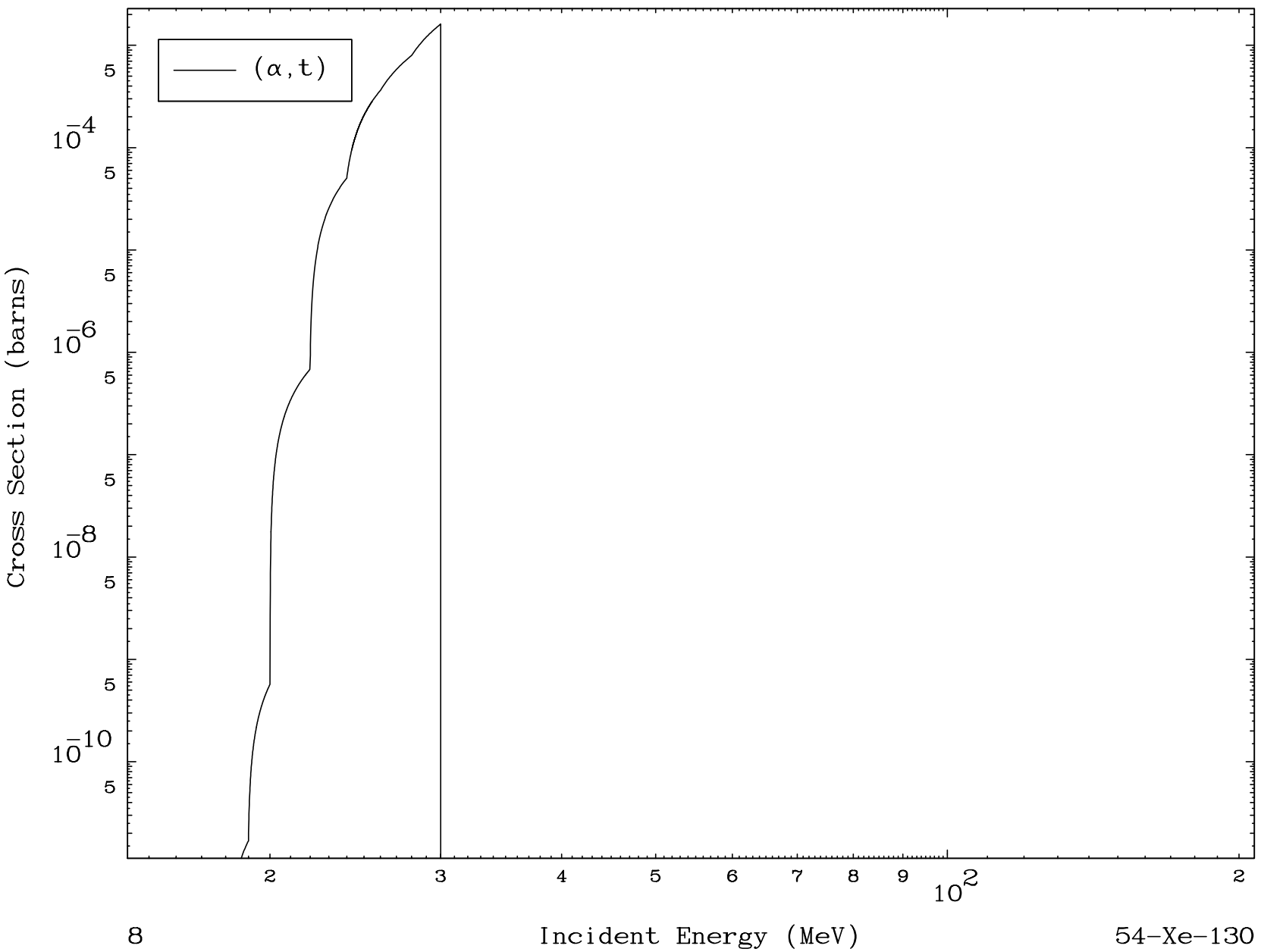

MAT 5443
α Charged Particle
0 Kelvin Cross Sections
54-Xe-130
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-130

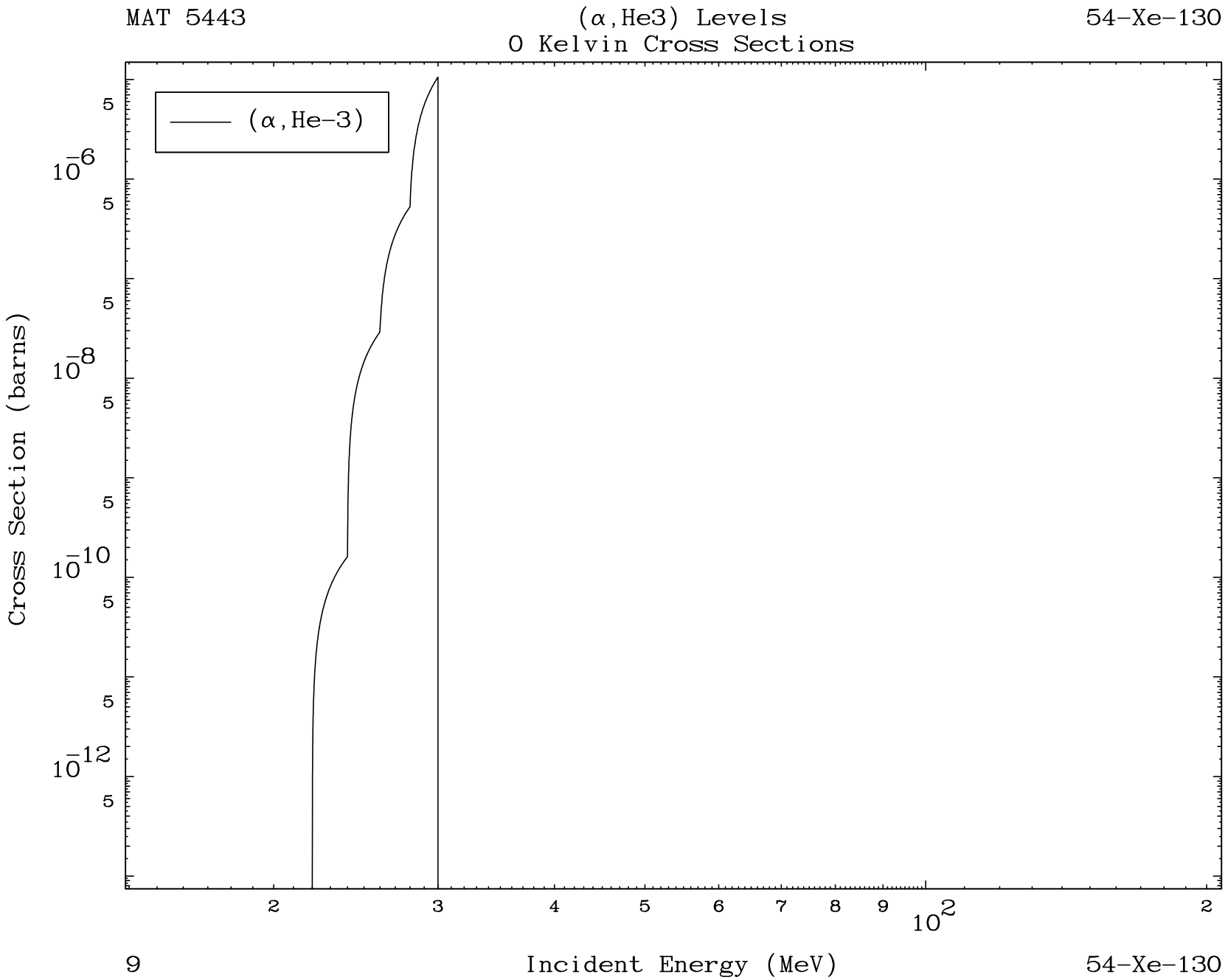

MAT 5443
α Charged Particle
0 Kelvin Cross Sections
54-Xe-130
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-130

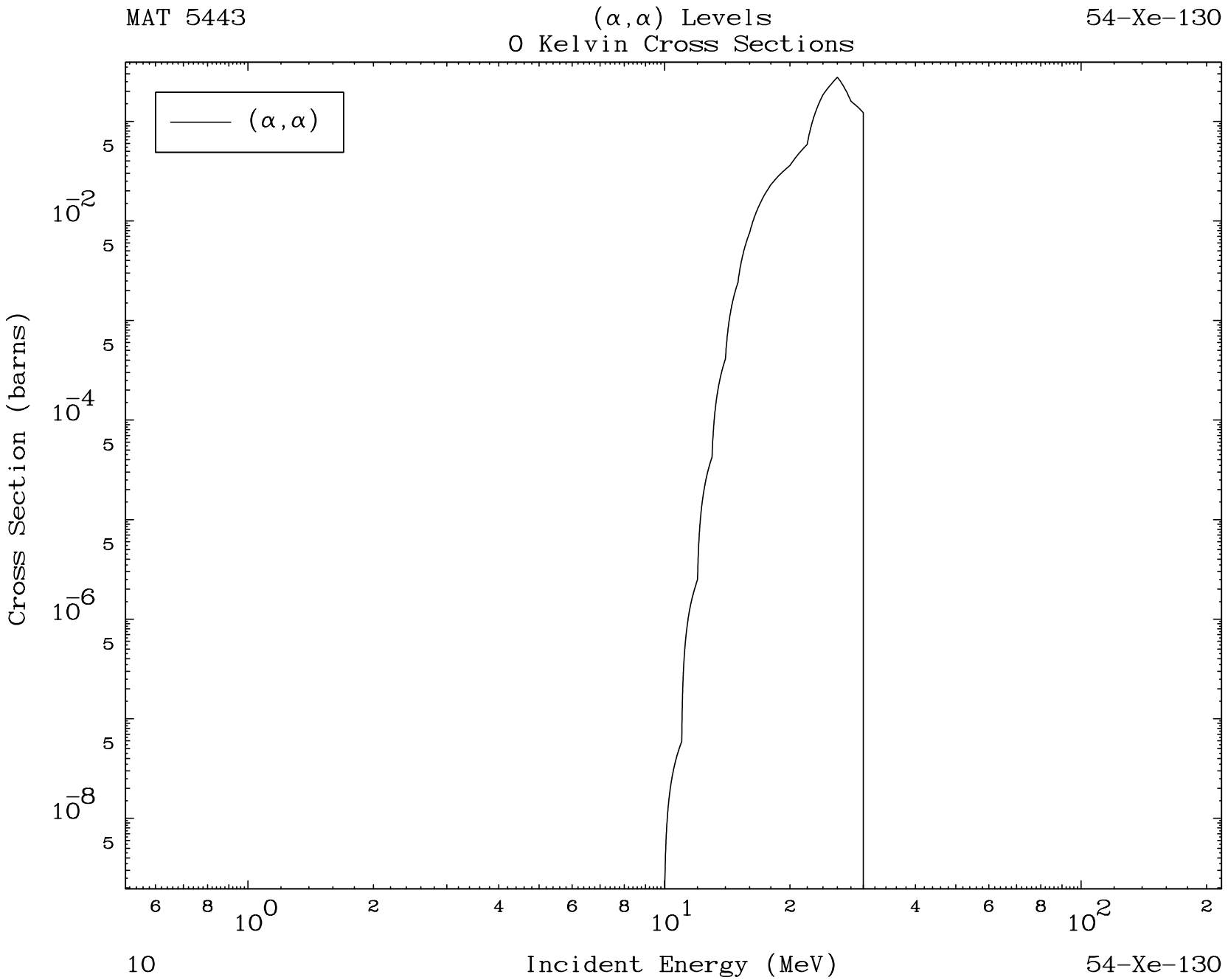

MAT 5443
(α,n') Level
54-Xe-130
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
54-Xe-130

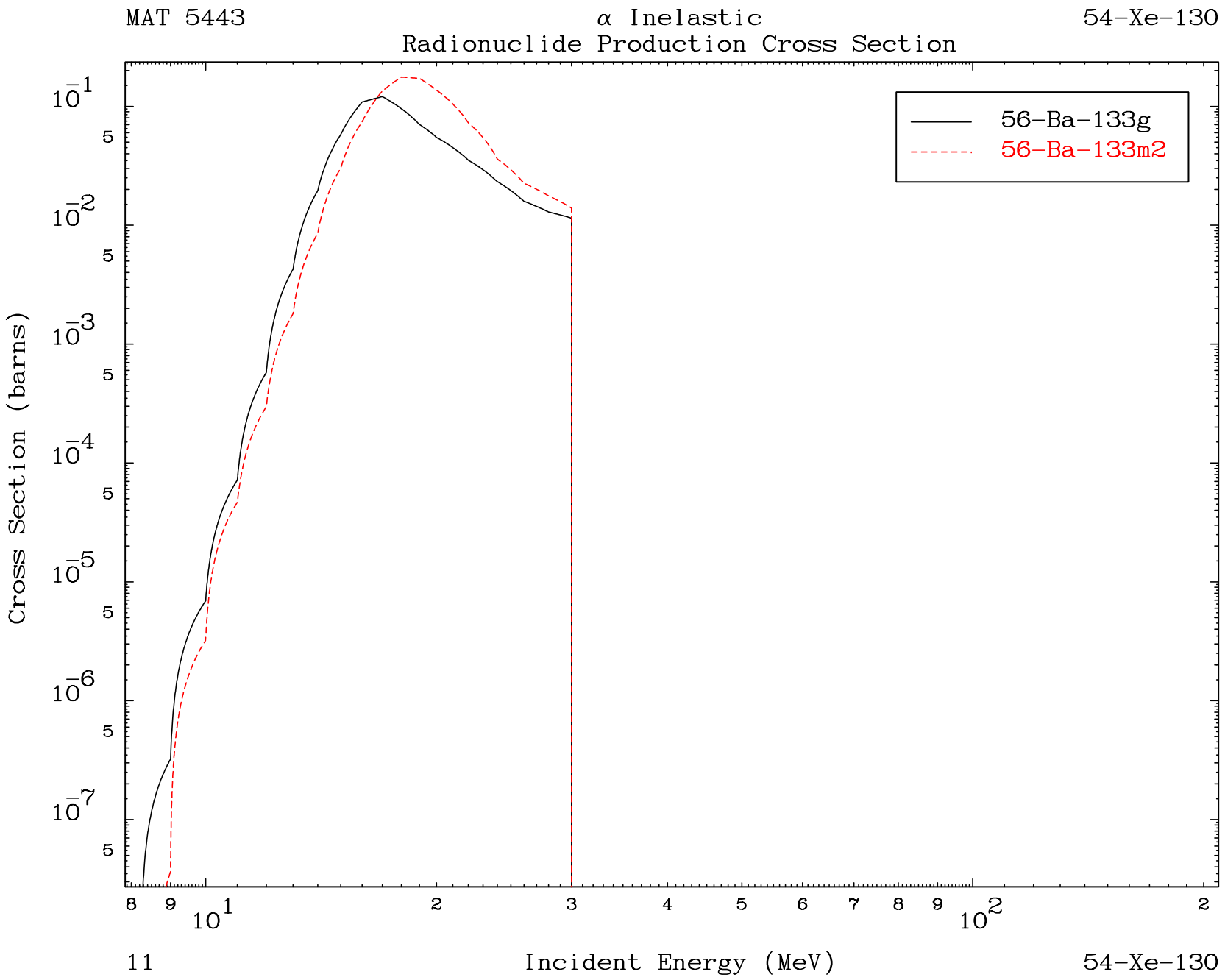

MAT 5443
(α,p) Levels
54-Xe-130
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-130

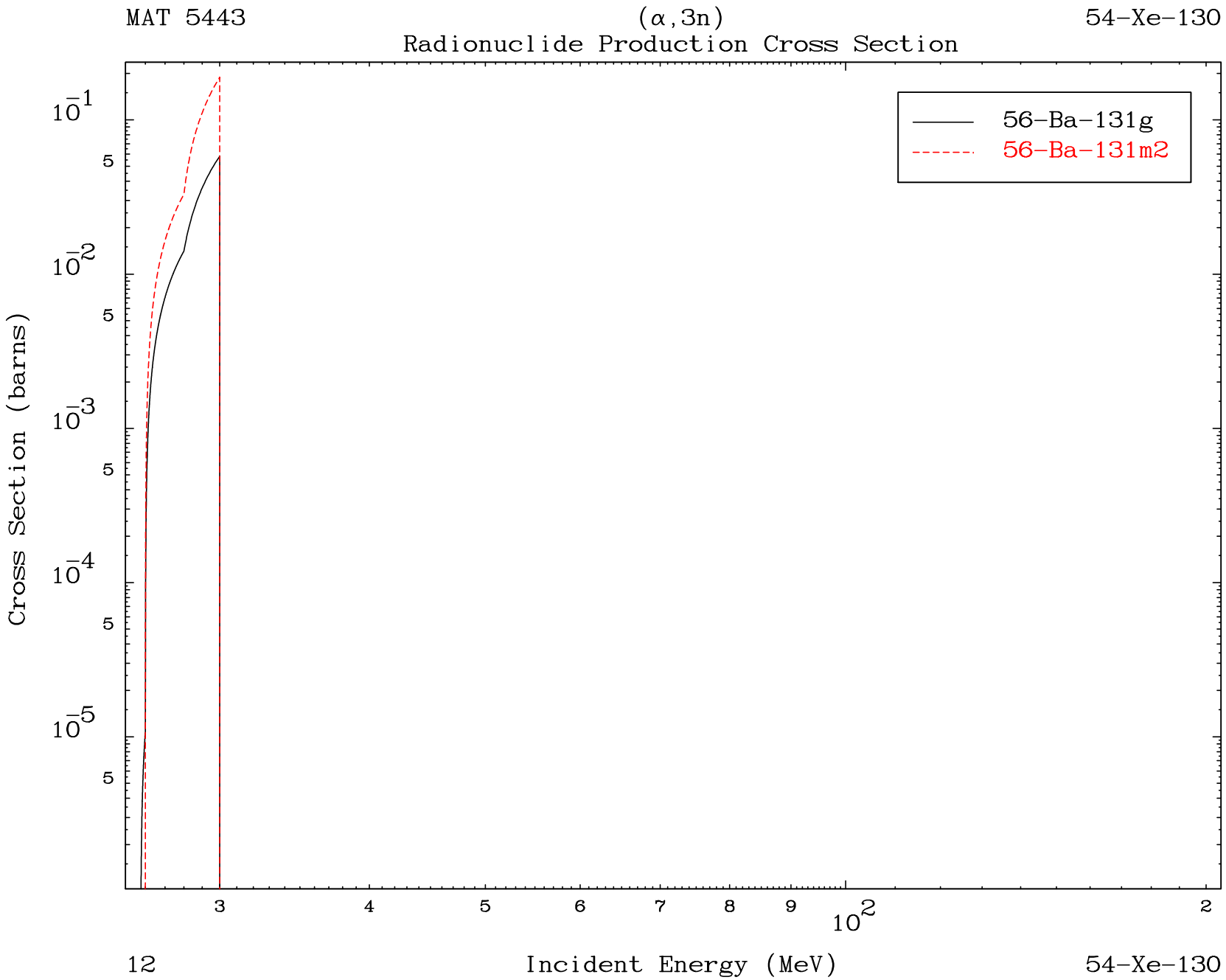

MAT 5443
(α,d) Levels
54-Xe-130
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
54-Xe-130

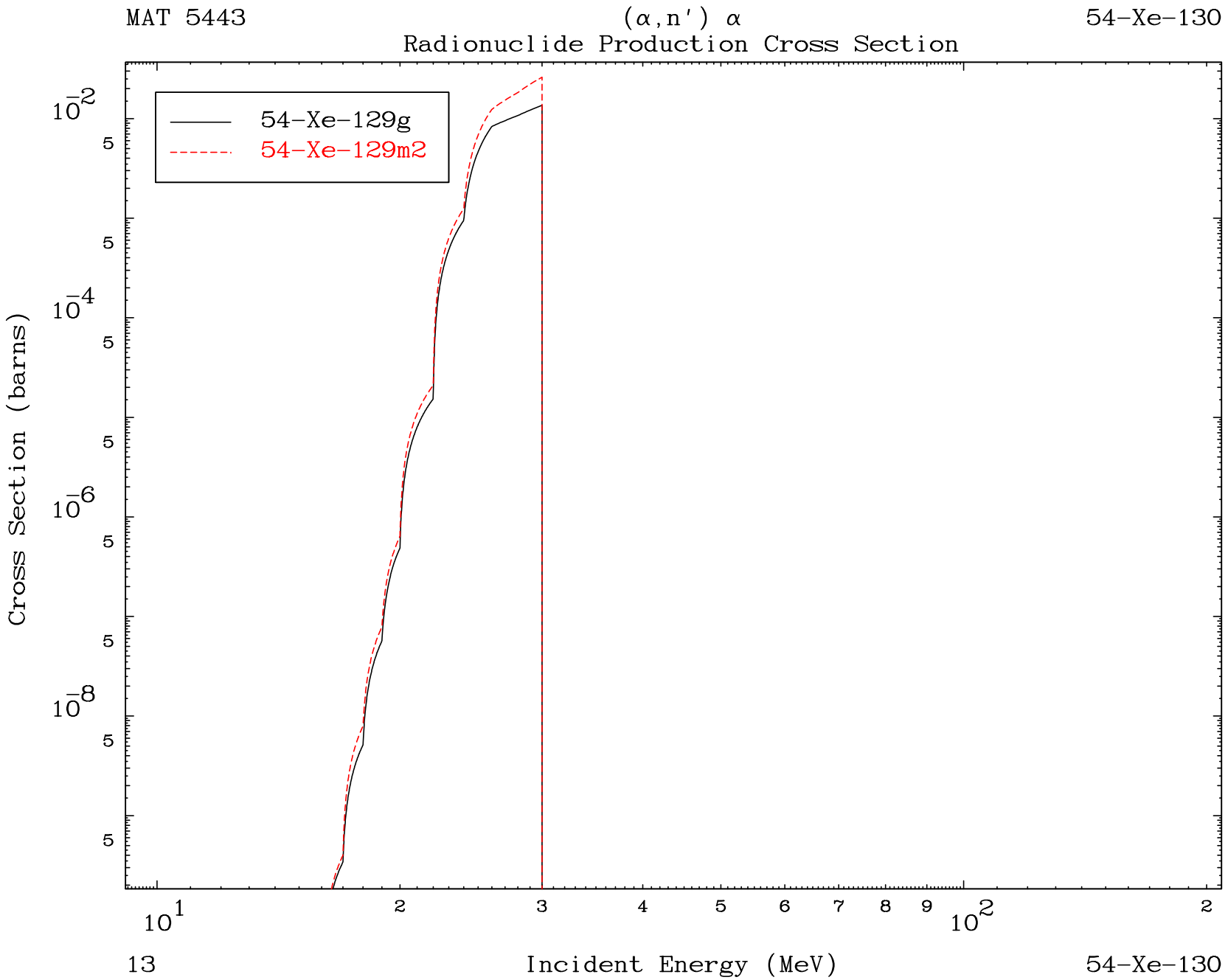

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

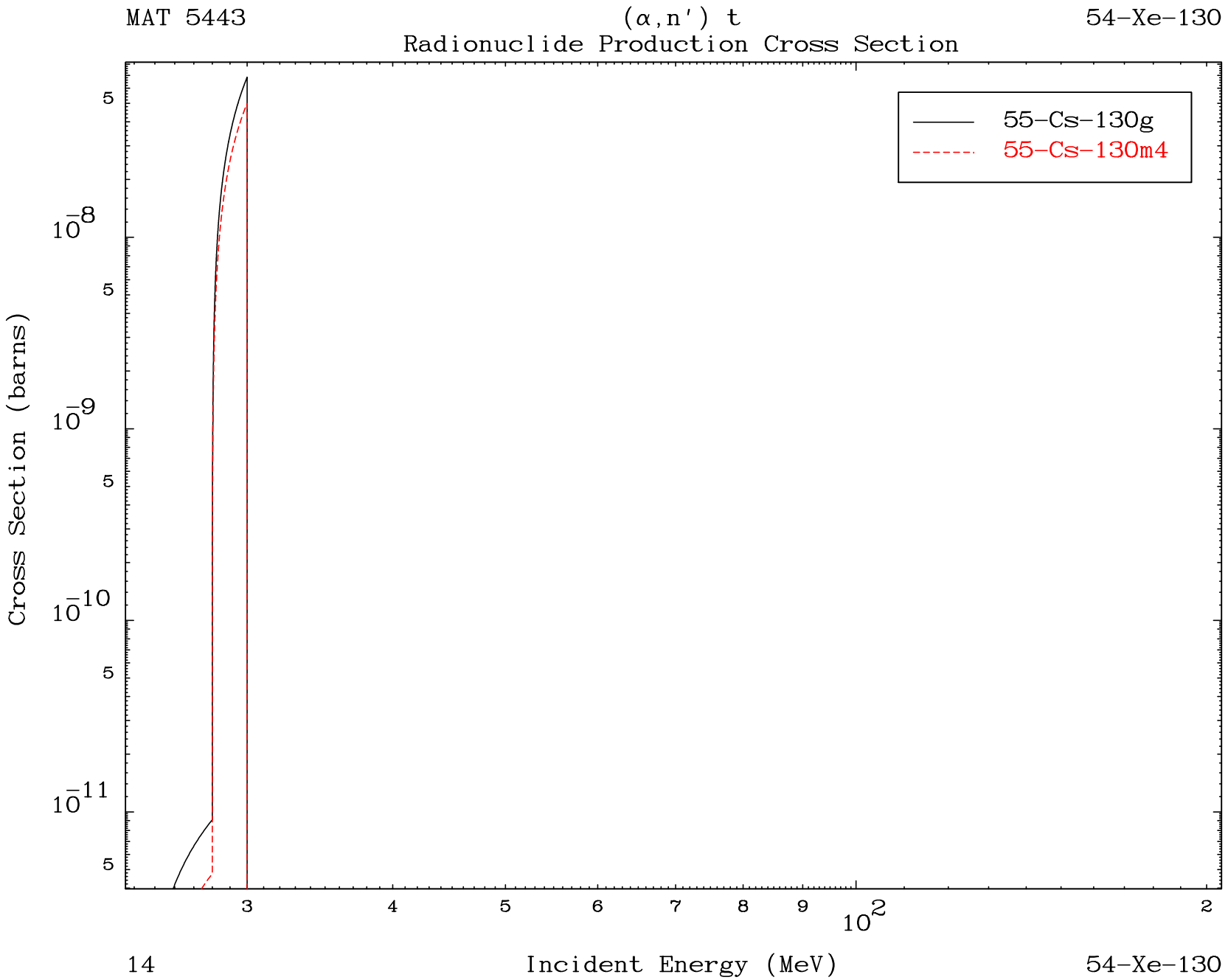

MAT 5443
(α,He3) Levels
54-Xe-130
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
54-Xe-130

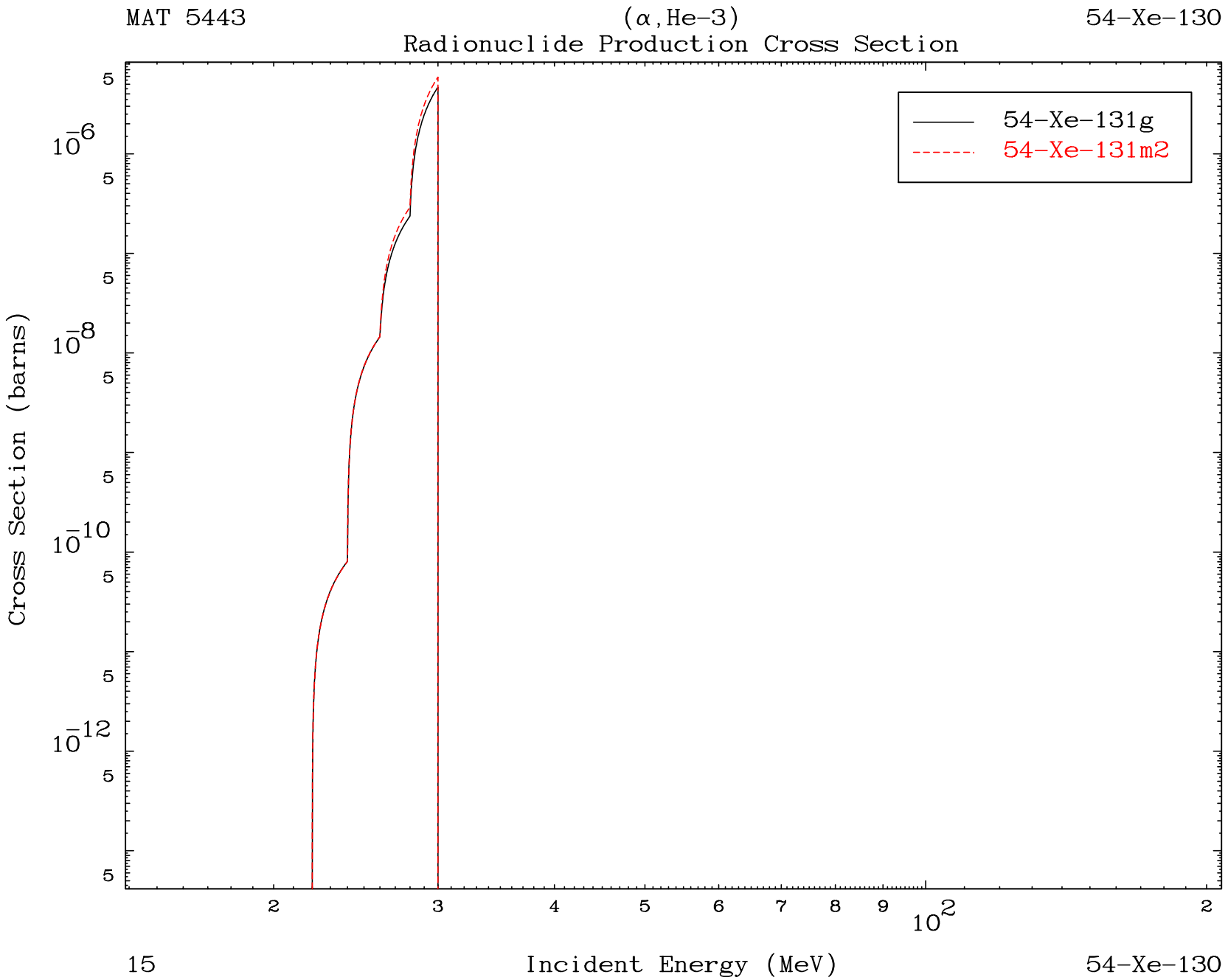

MAT 5443
(α,α) Levels
54-Xe-130
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
54-Xe-130


MAT 5443
α Inelastic
54-Xe-130
Radionuclide Production Cross Section
56-Ba-133g
56-Ba-133m2
Cross Section (barns)
Incident Energy (MeV)
11
54-Xe-130


MAT 5443
(α,3n)
54-Xe-130
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
54-Xe-130


MAT 5443
(α,n') α
54-Xe-130
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
13
54-Xe-130


MAT 5443
(α,n') t
54-Xe-130
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-8
10-9
10-10
10-11
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
54-Xe-130


MAT 5443
(α,He-3)
54-Xe-130
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
54-Xe-130