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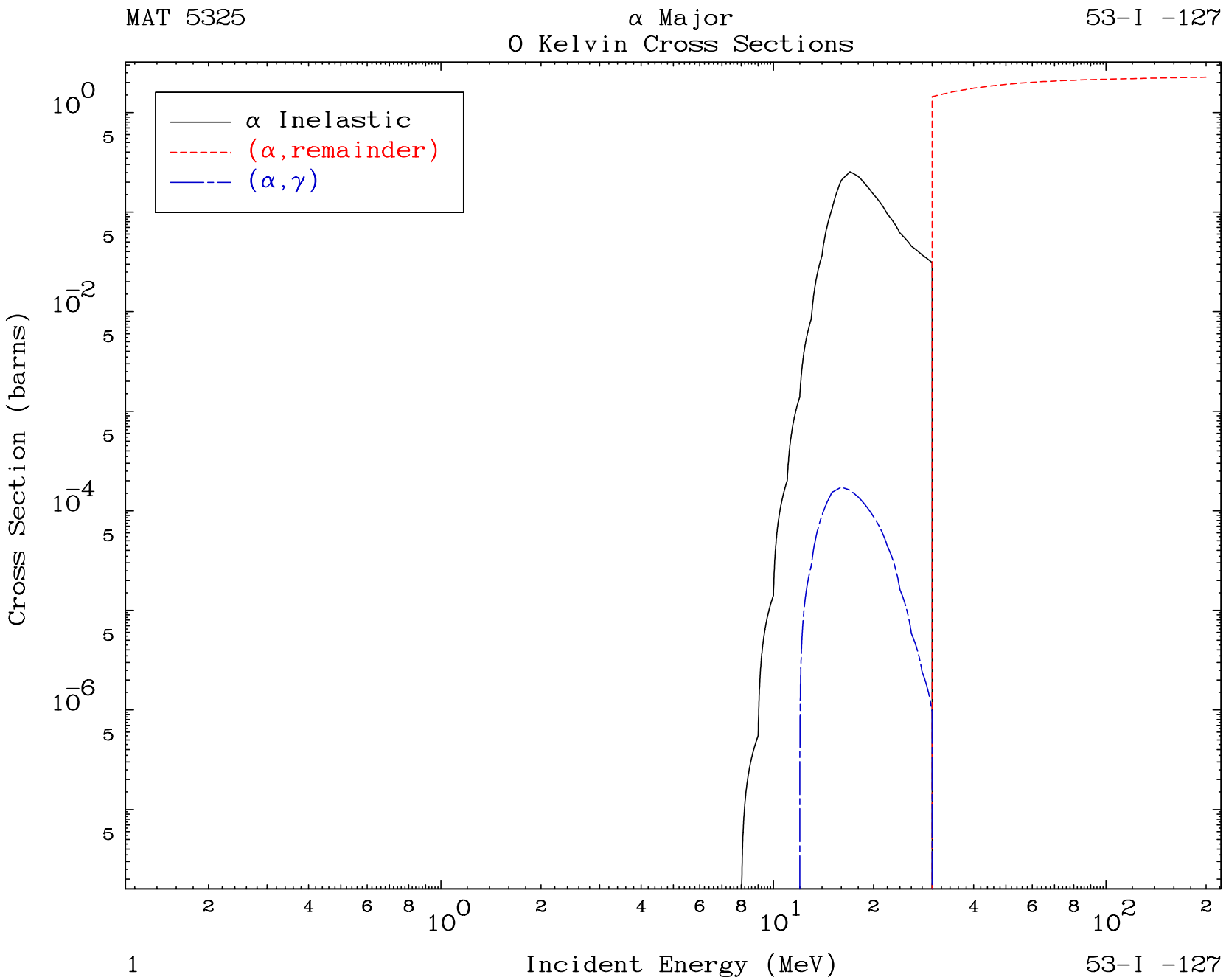
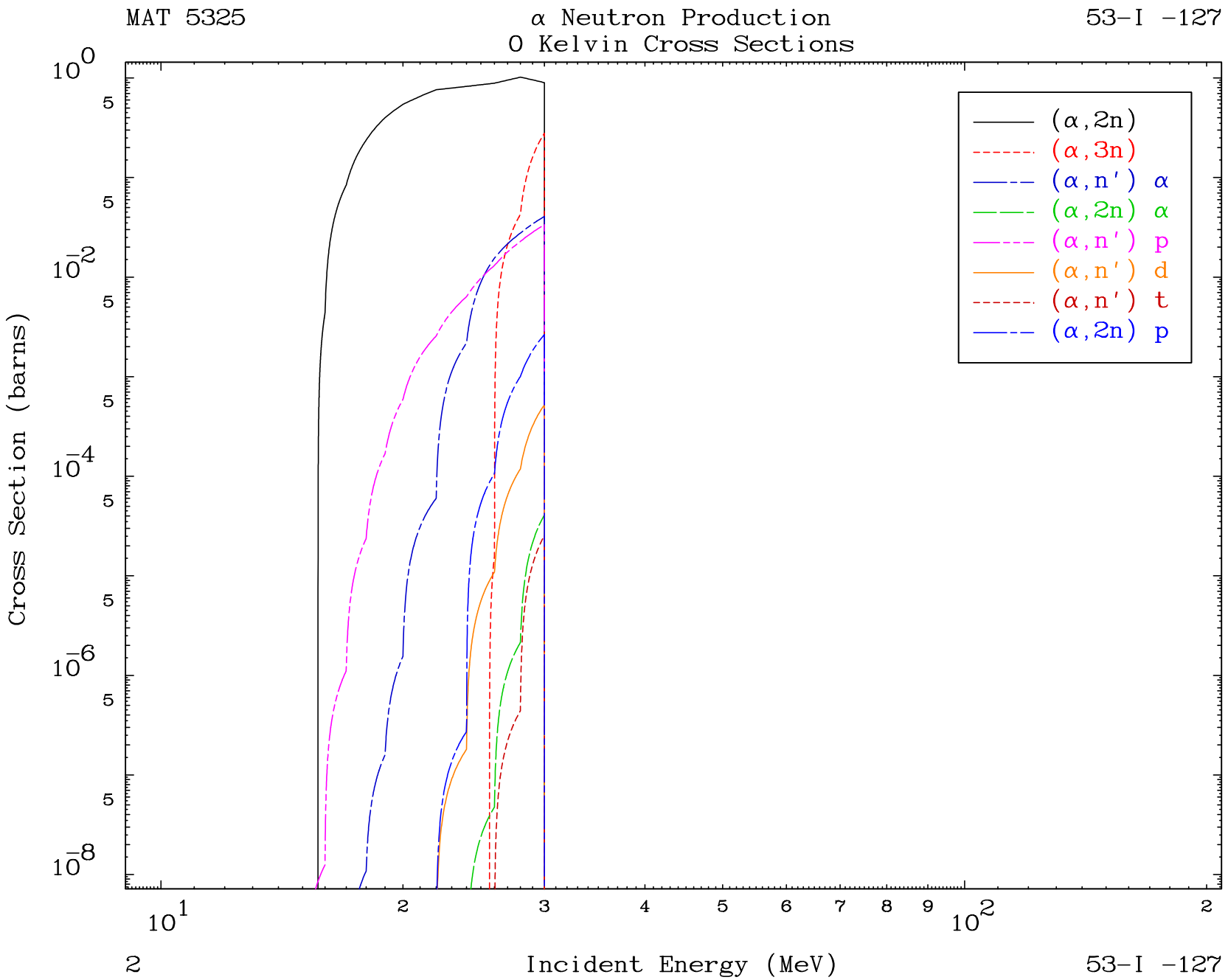
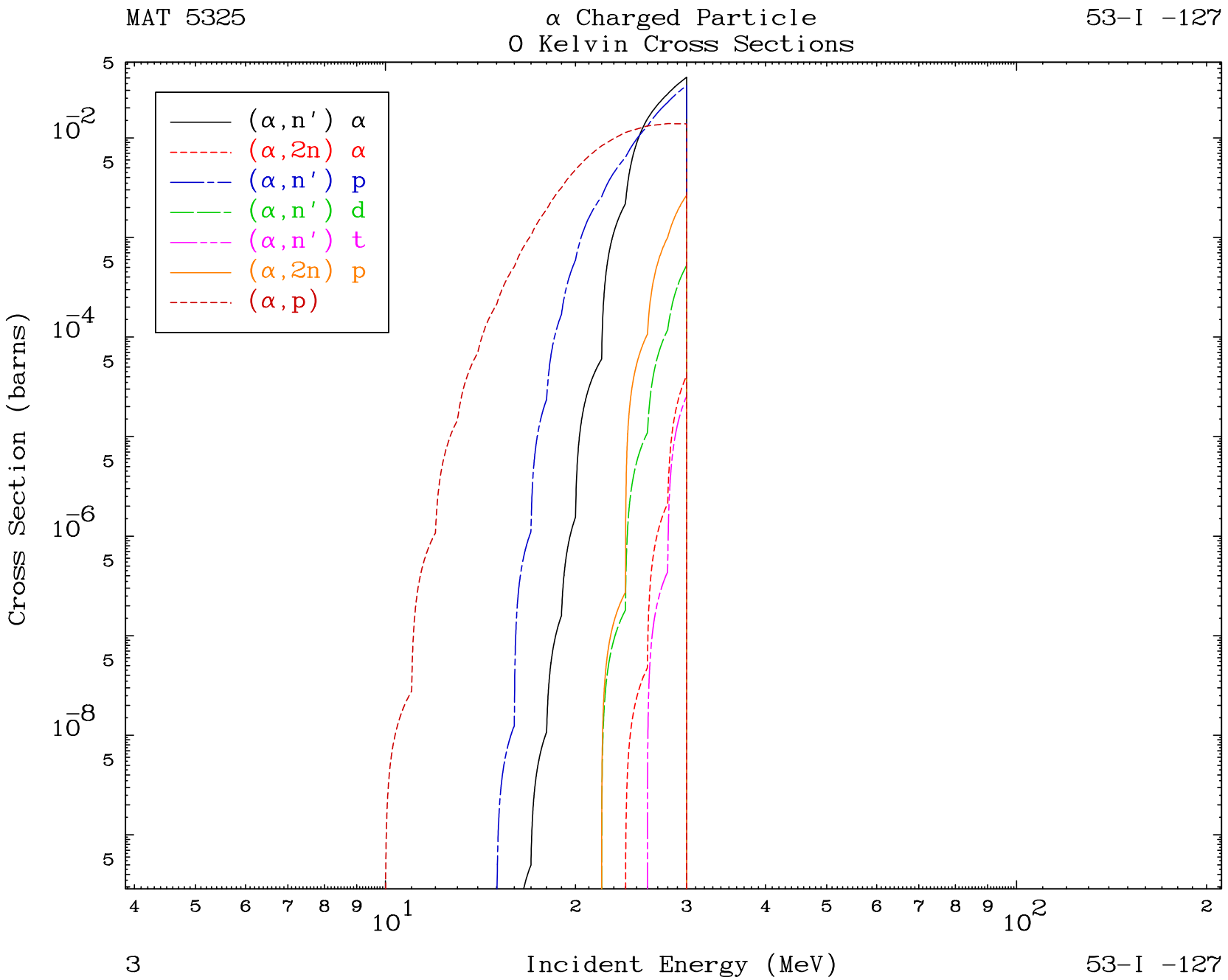
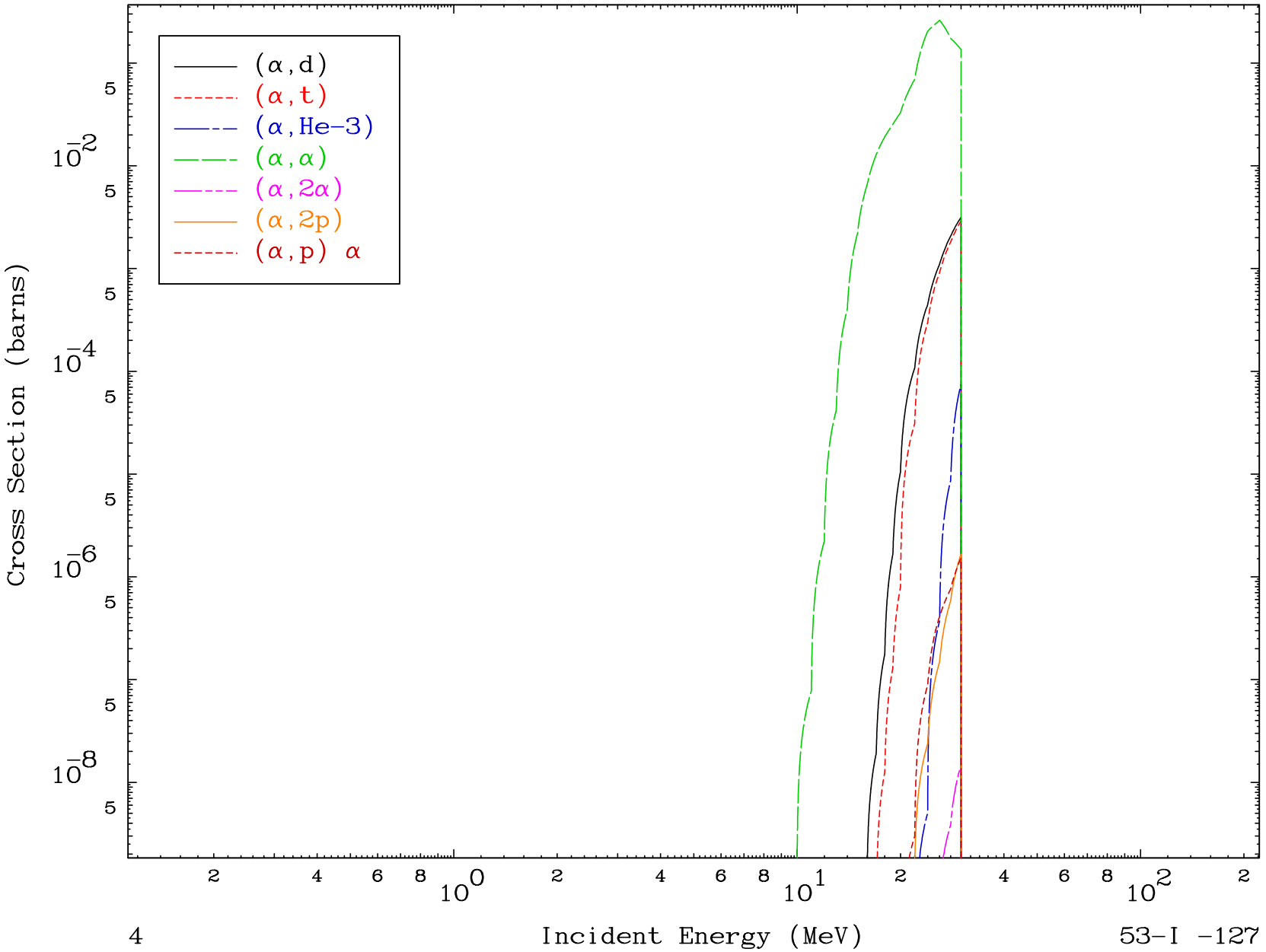
Press Mouse Button to Start

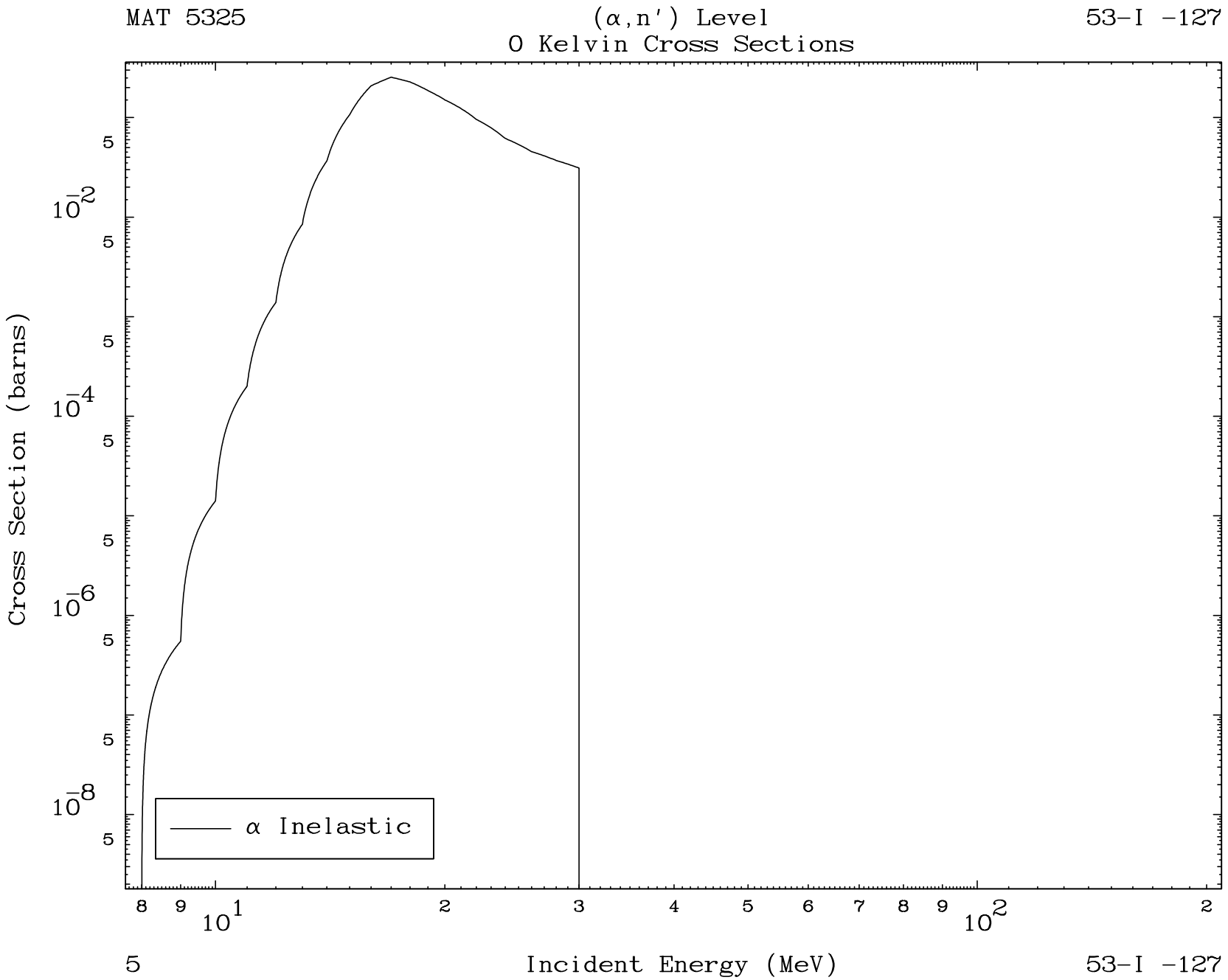

MAT 5325
α Major
53-I -127
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -127

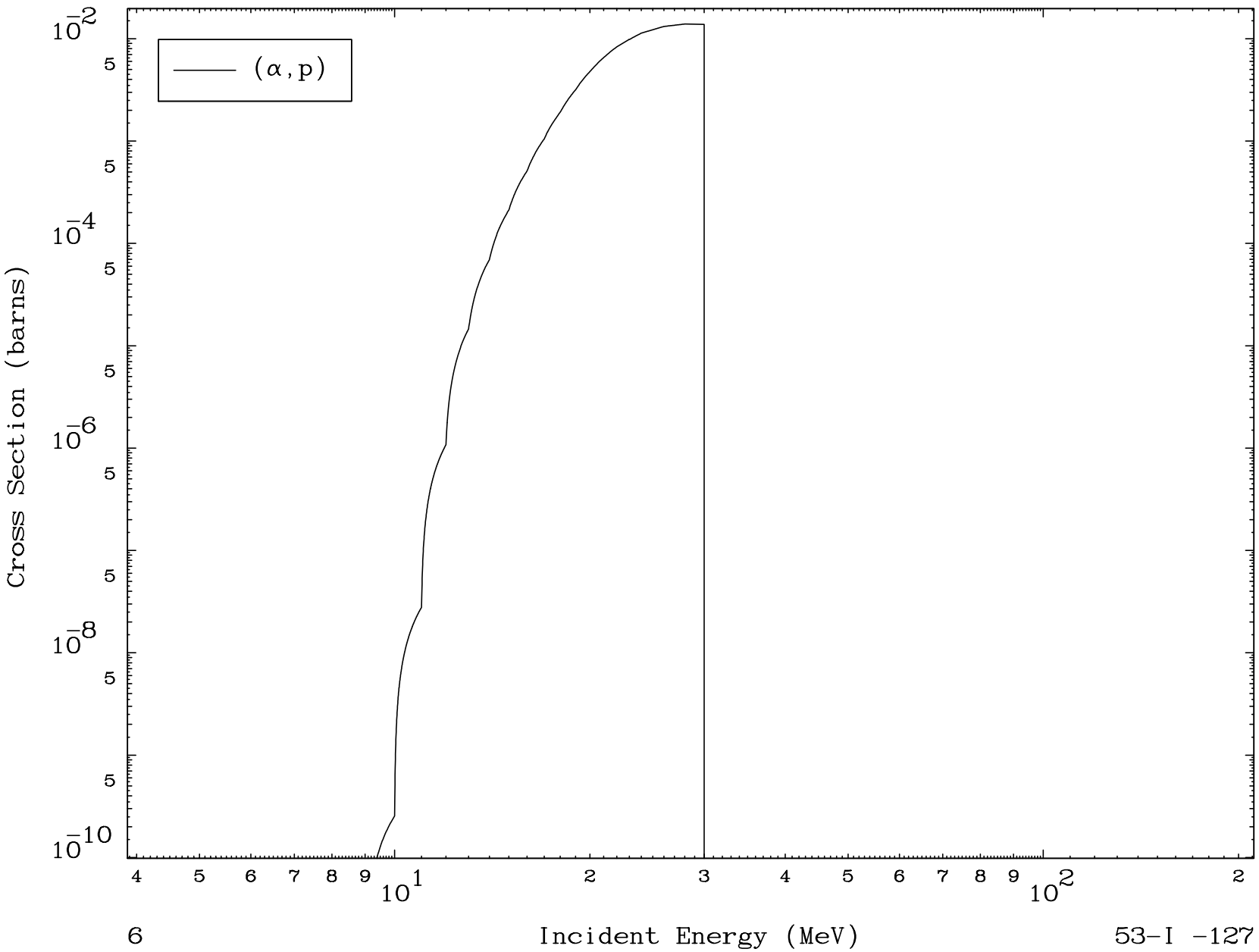

MAT 5325
α Neutron Production
0 Kelvin Cross Sections
53-I -127
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

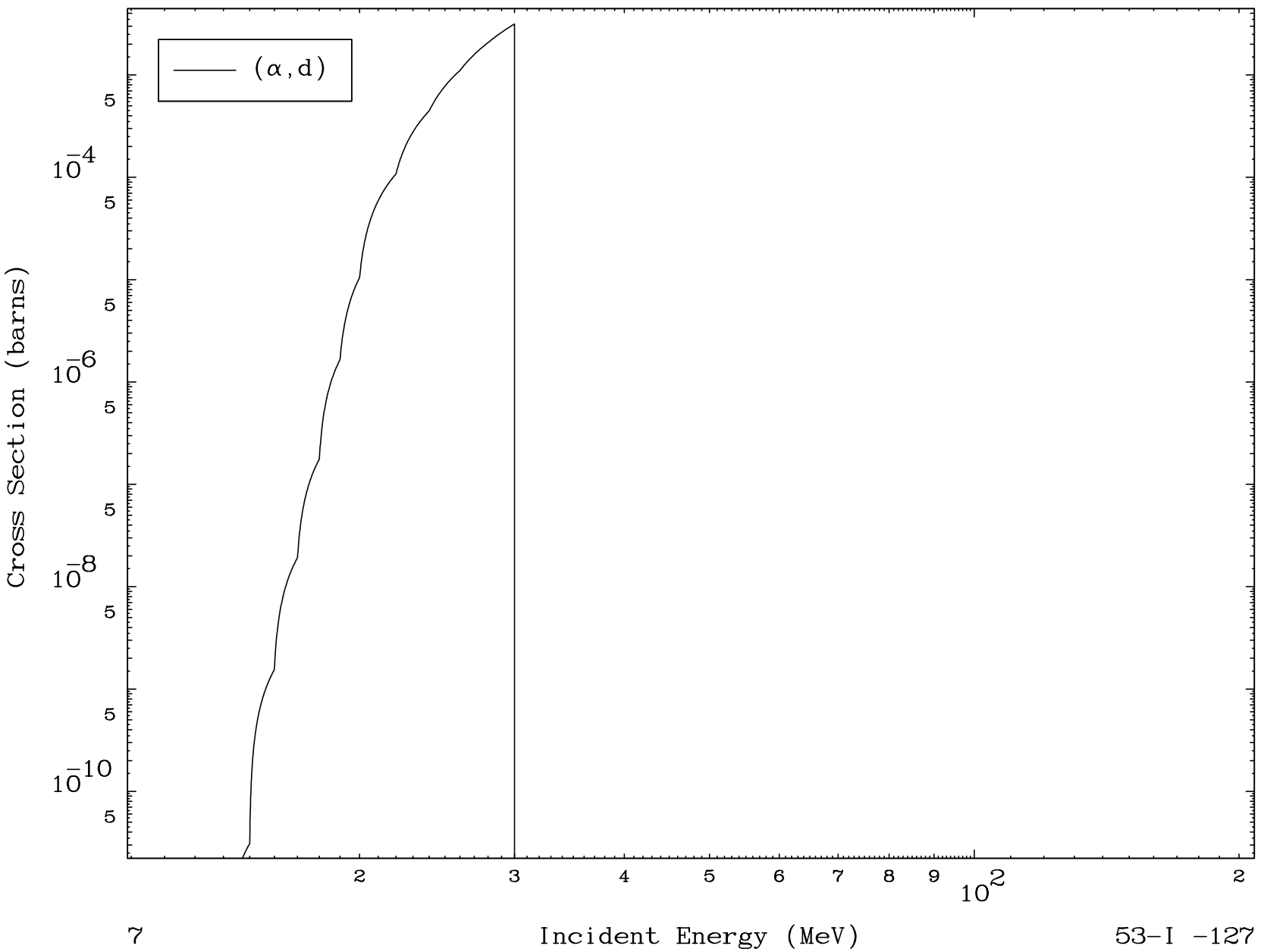

MAT 5325
α Charged Particle
0 Kelvin Cross Sections
53-I -127
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
53-I -127
3

0 Kelvin Cross Sections

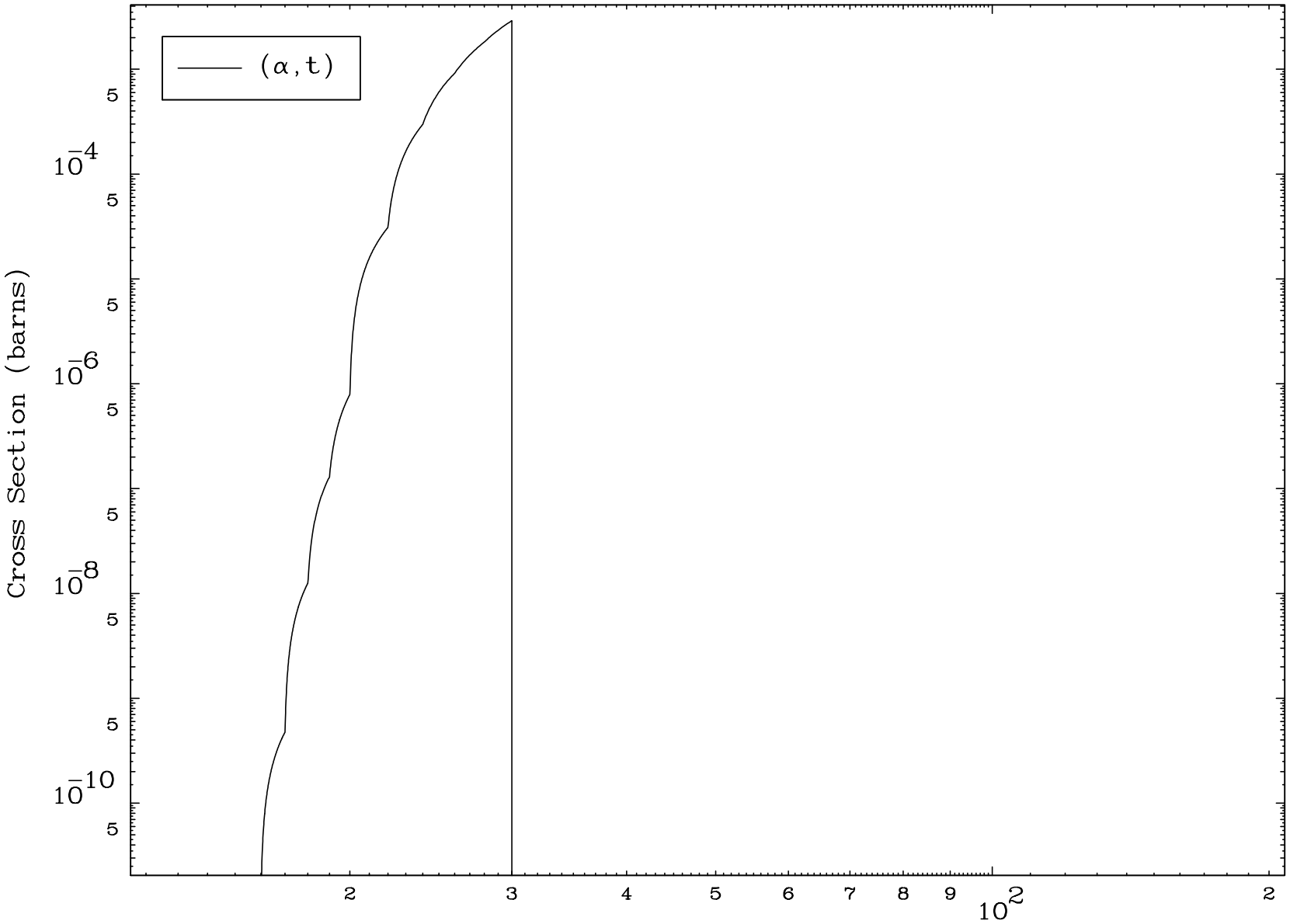


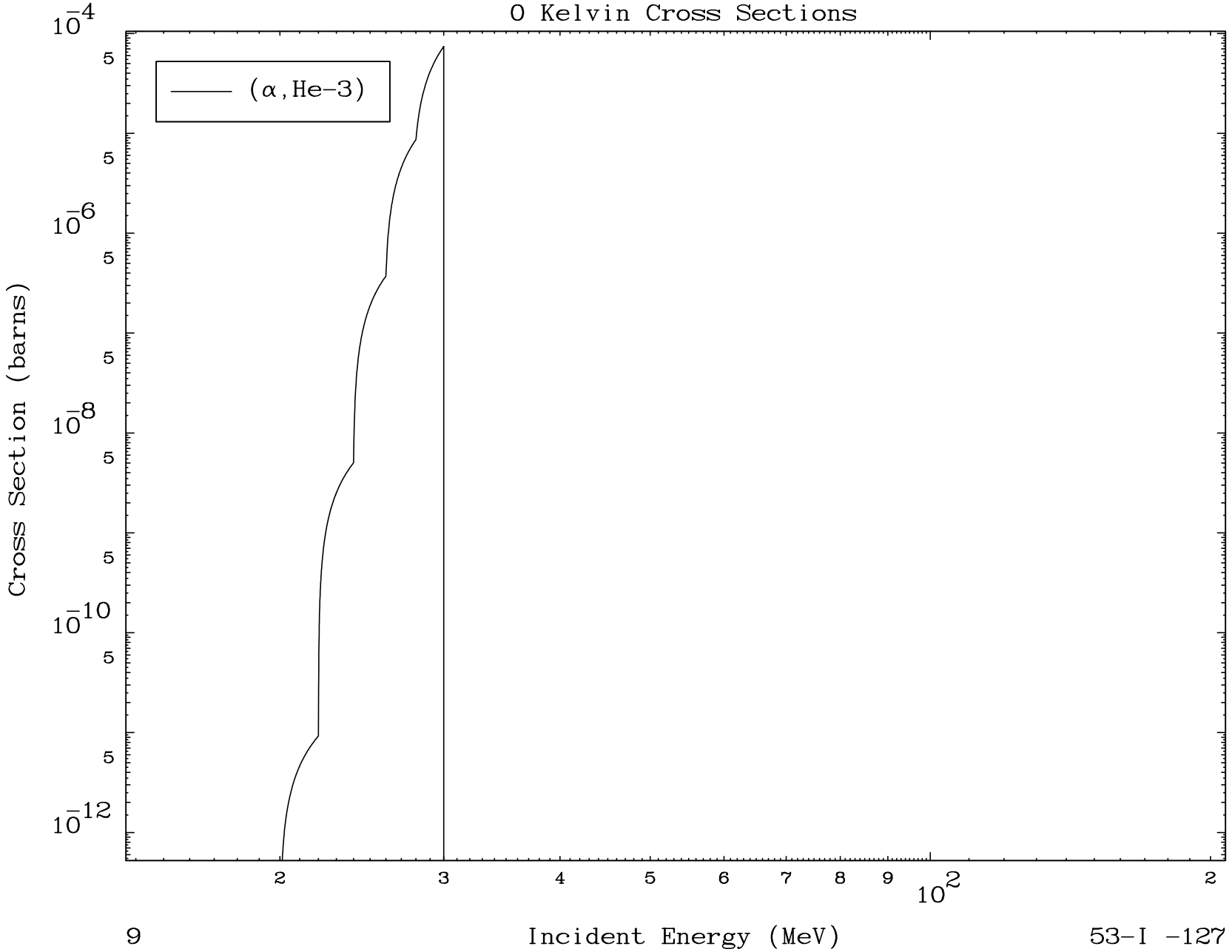

MAT 5325
(α,n') Level
53-I -127
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
α Inelastic
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
53-I -127

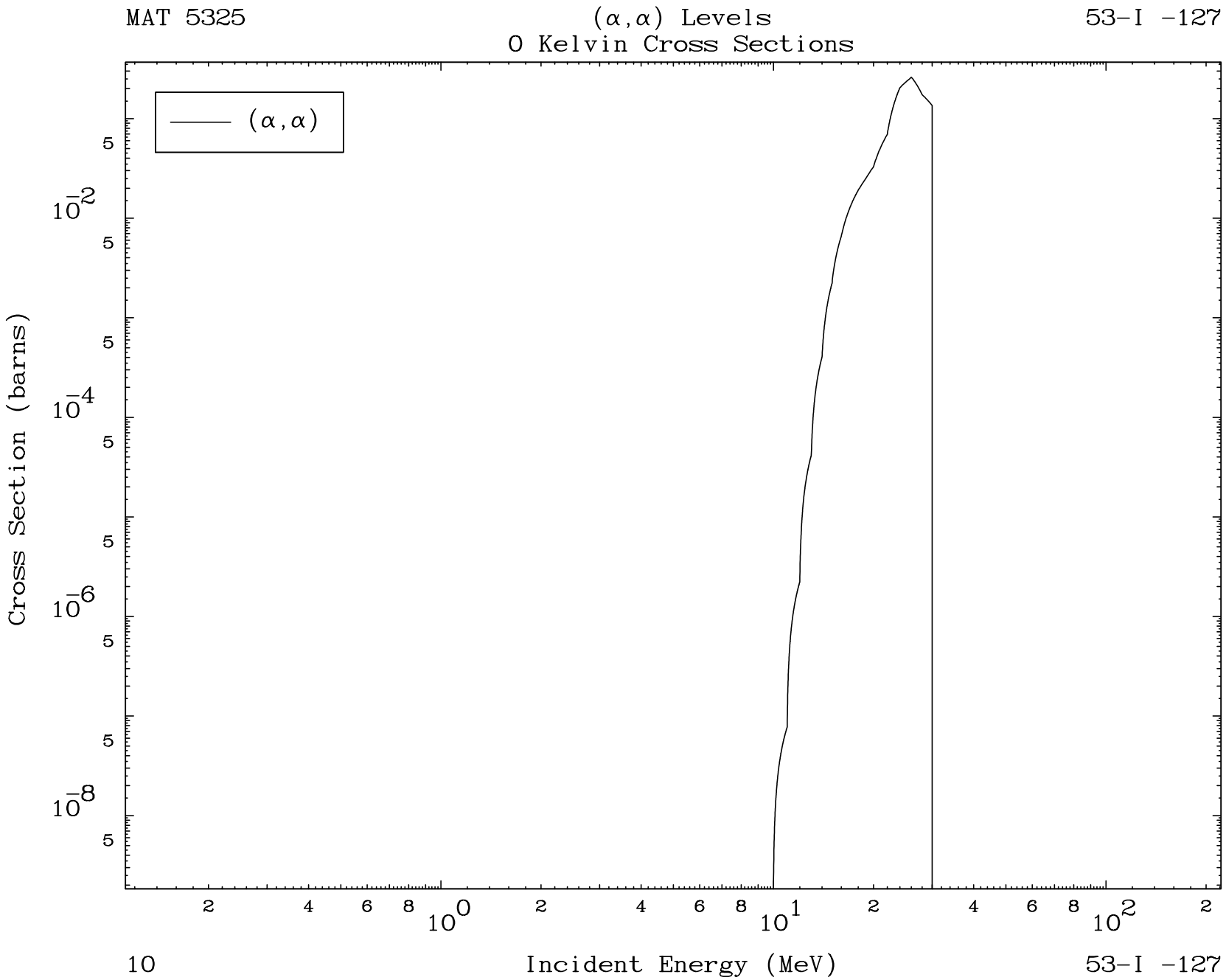

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

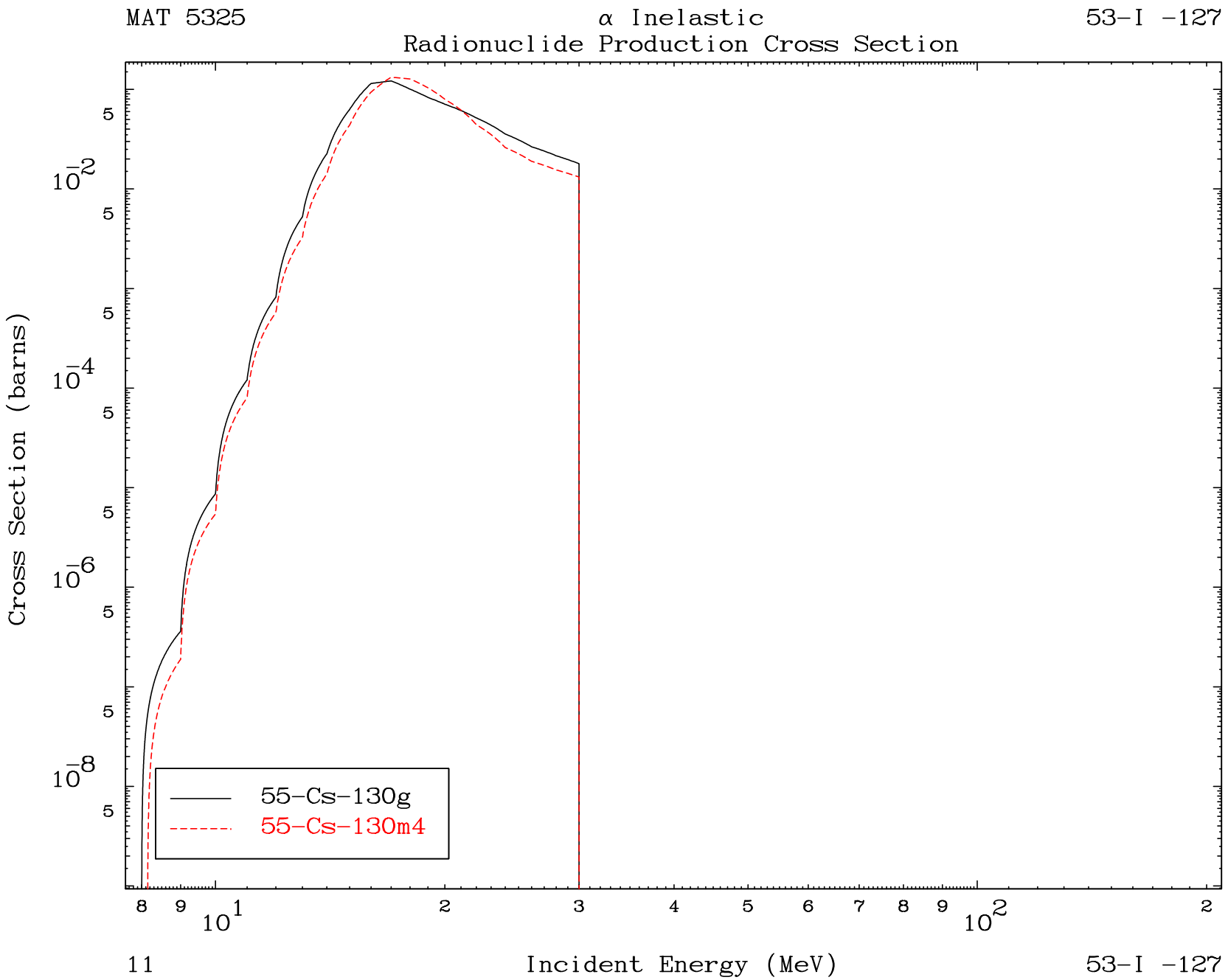

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)

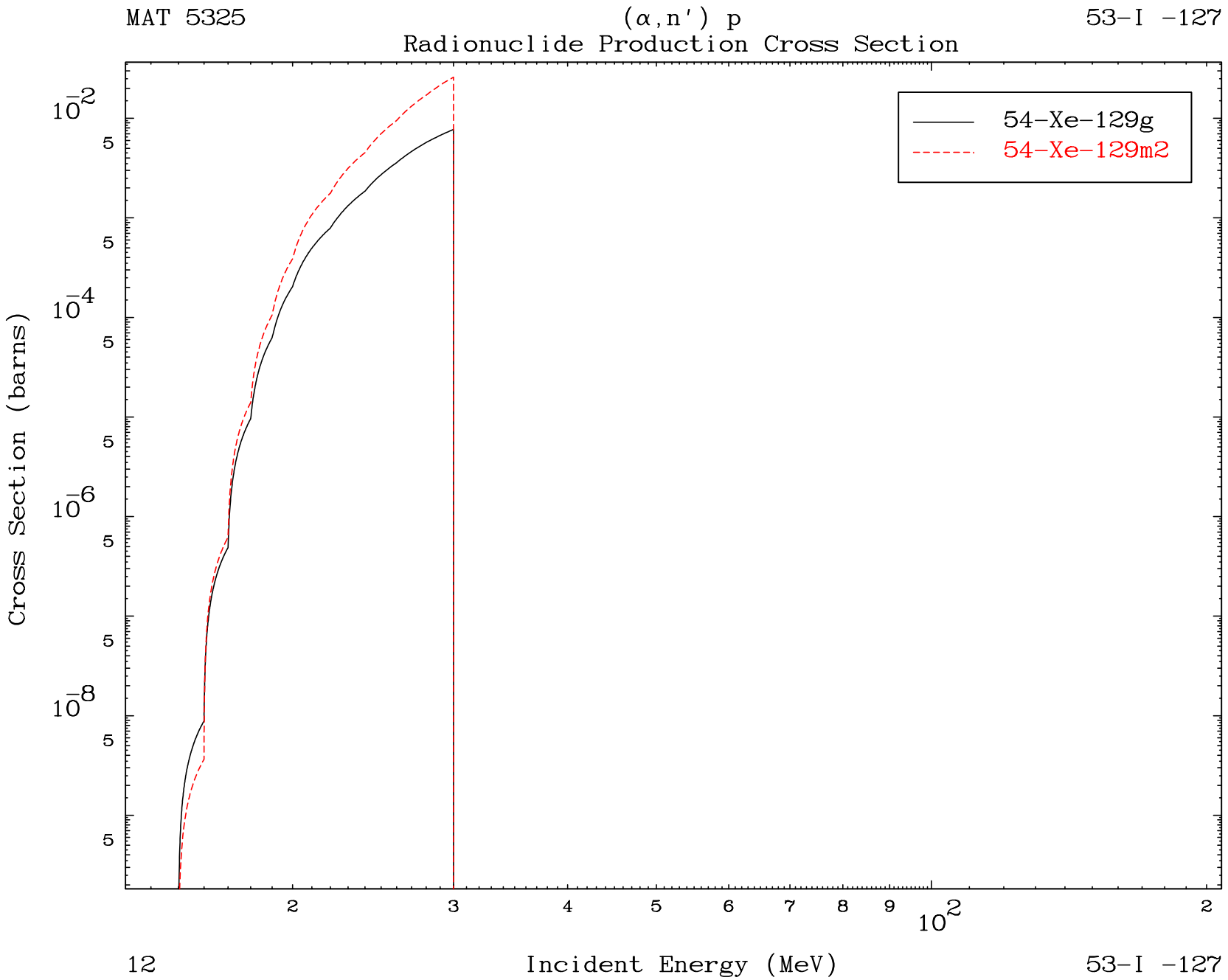
0 Kelvin Cross Sections

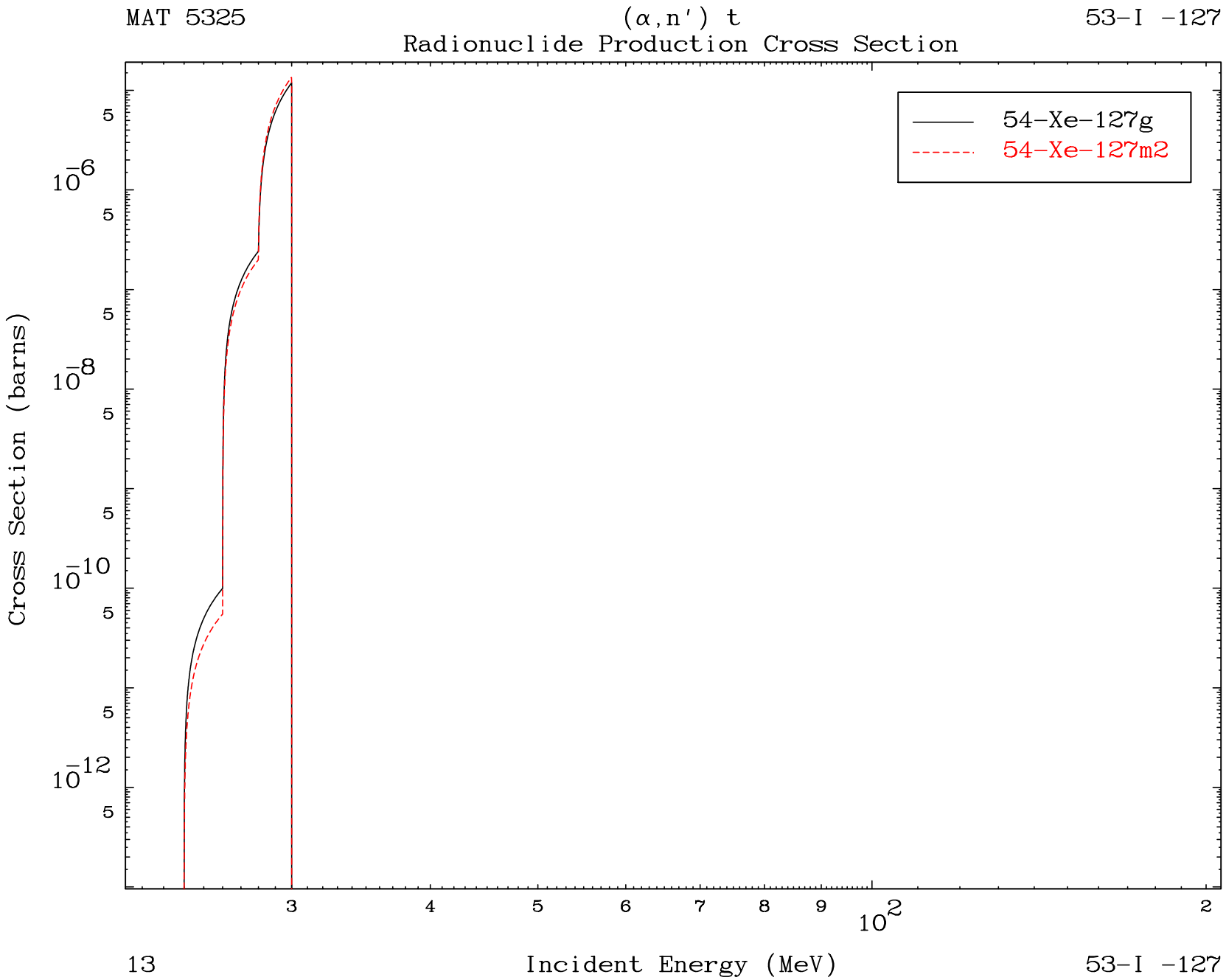


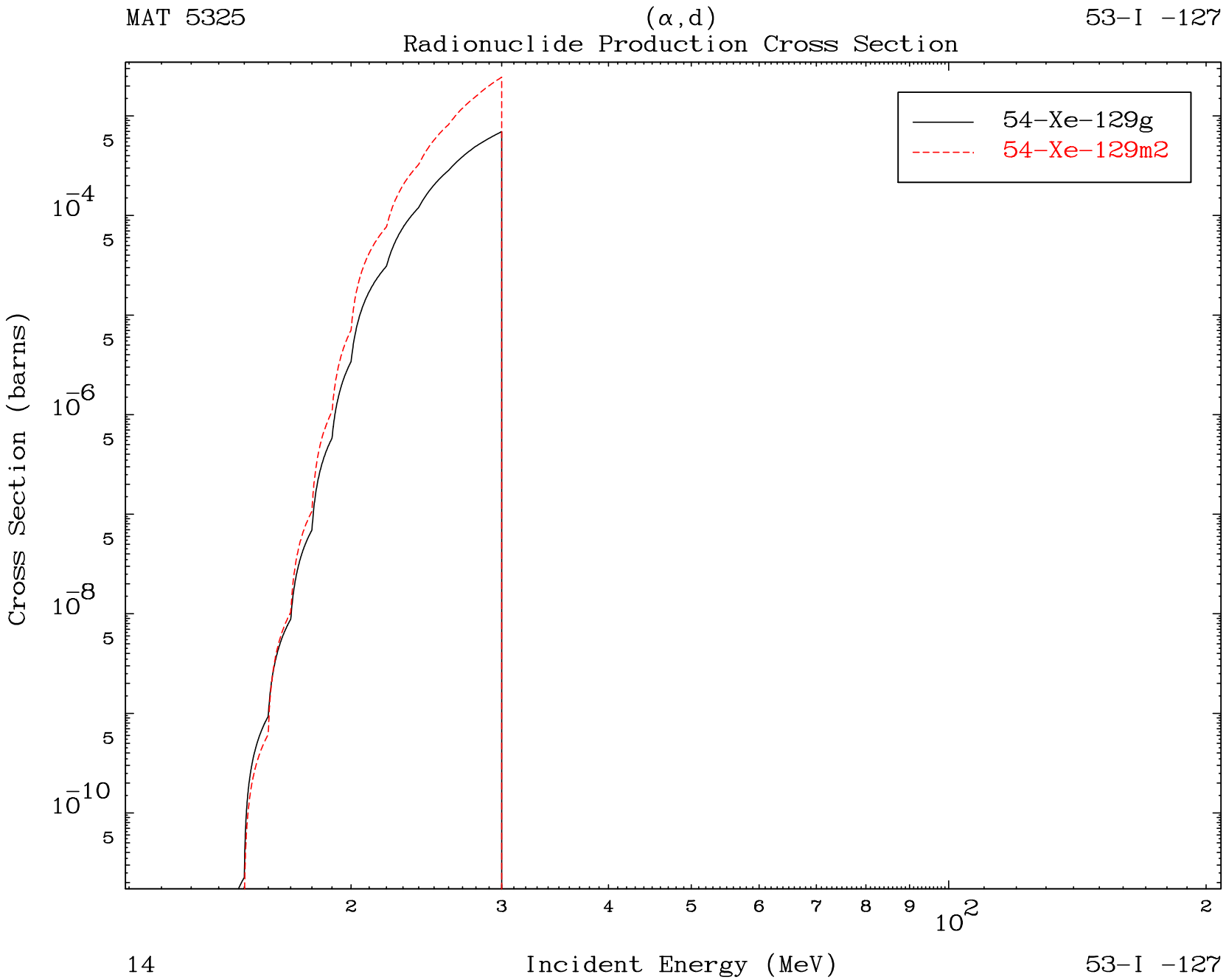

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 5325
(α,α) Levels
53-I -127
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 -127


MAT 5325
α Inelastic
53-I -127
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
55-Cs-130g
55-Cs-130m4
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
11
Incident Energy (MeV)
53-I -127


MAT 5325
(α,n') p
53-I -127
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -127


MAT 5325
(α,n') t
53-I -127
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
53-I -127


MAT 5325
(α,d)
53-I -127
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
53-I -127