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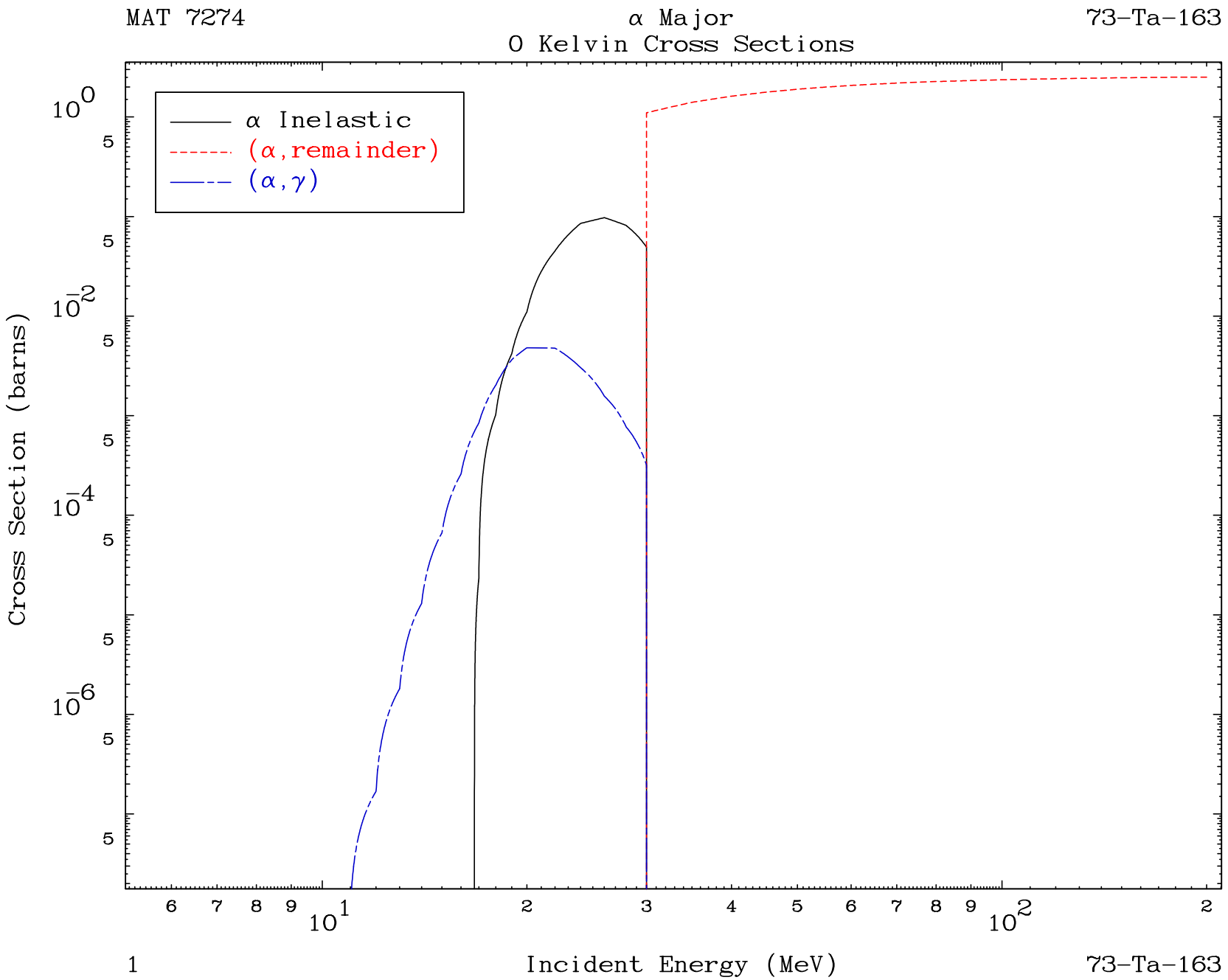
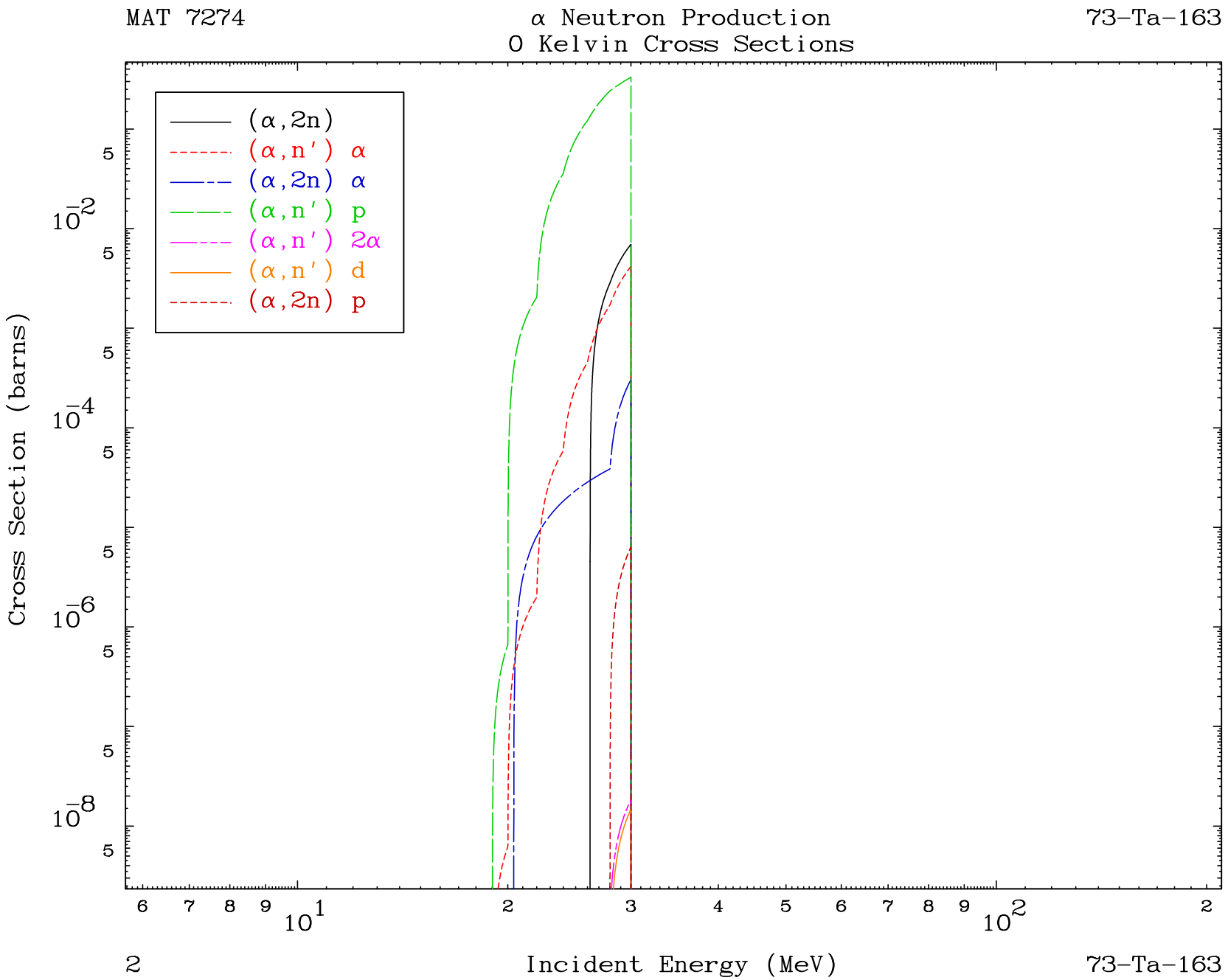
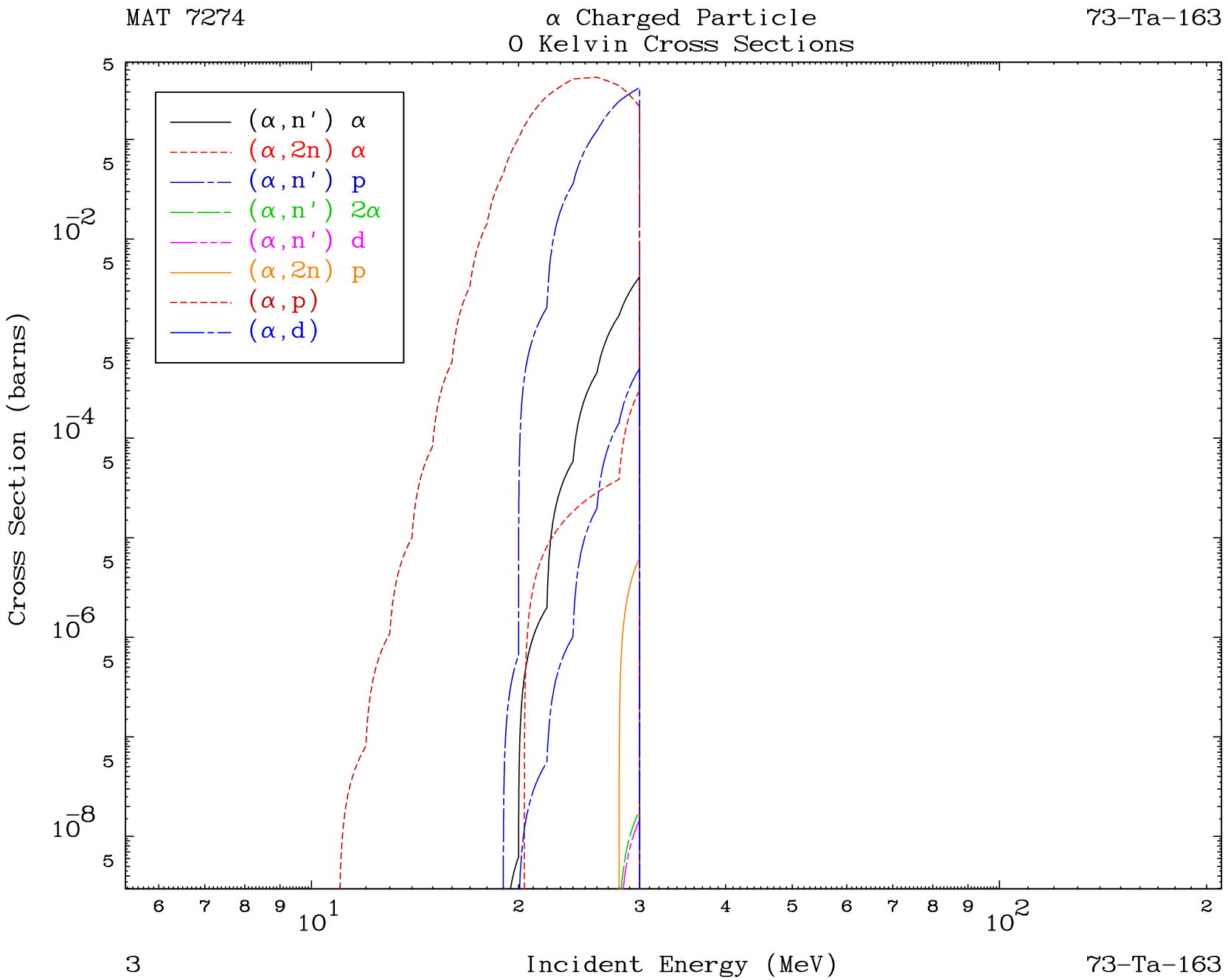
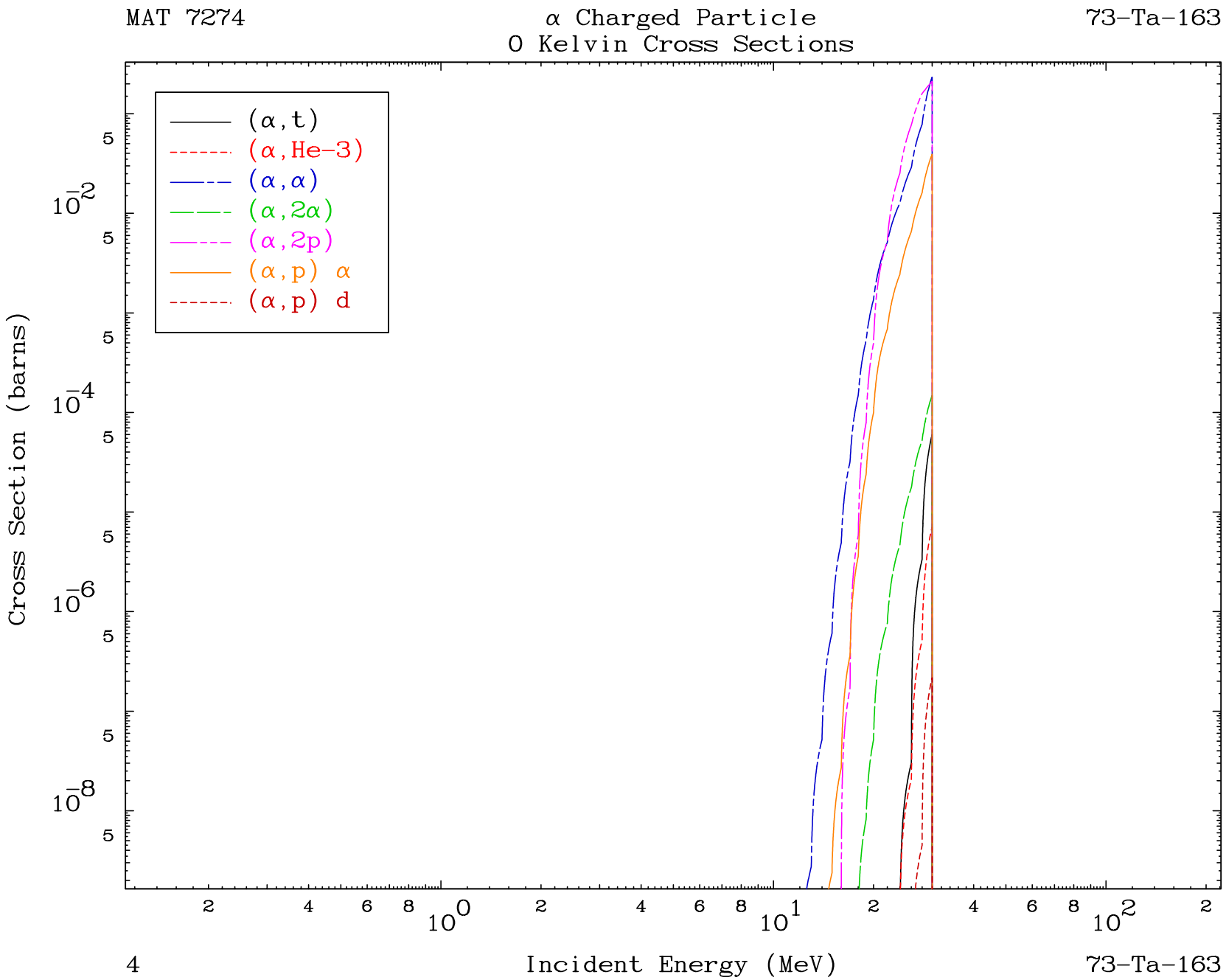
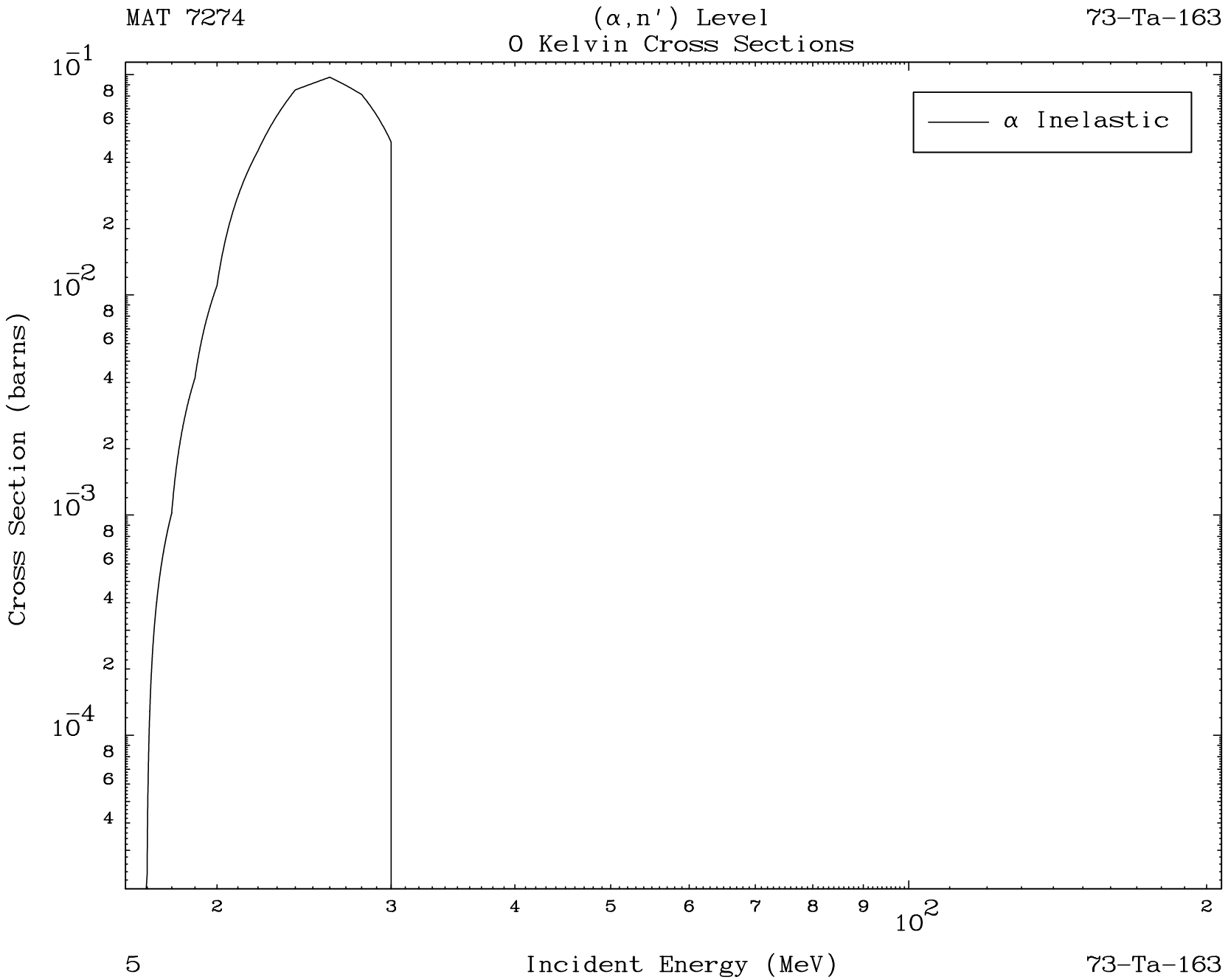
Press Mouse Button to Start

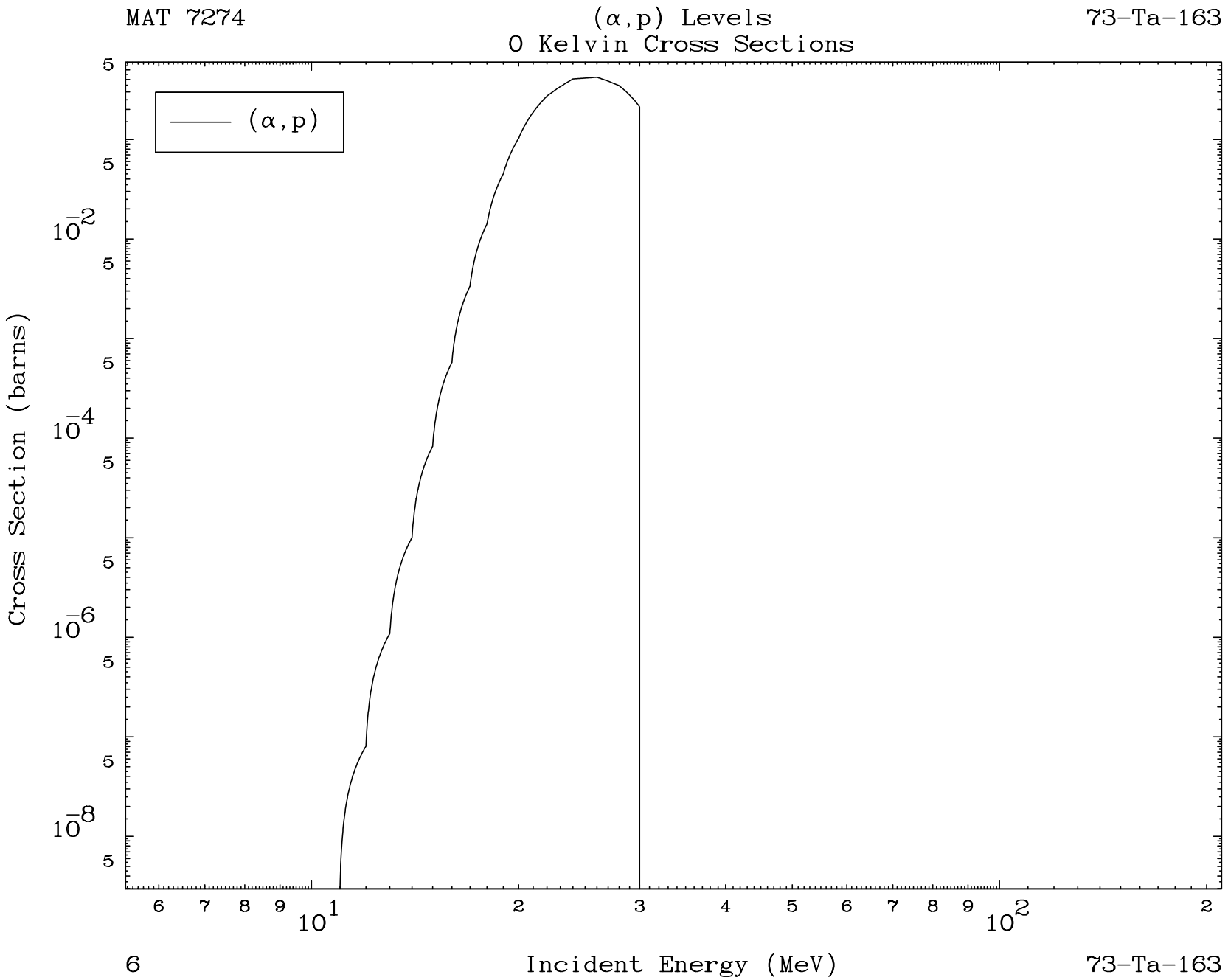

MAT 7274
α Major
73-Ta-163
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-163

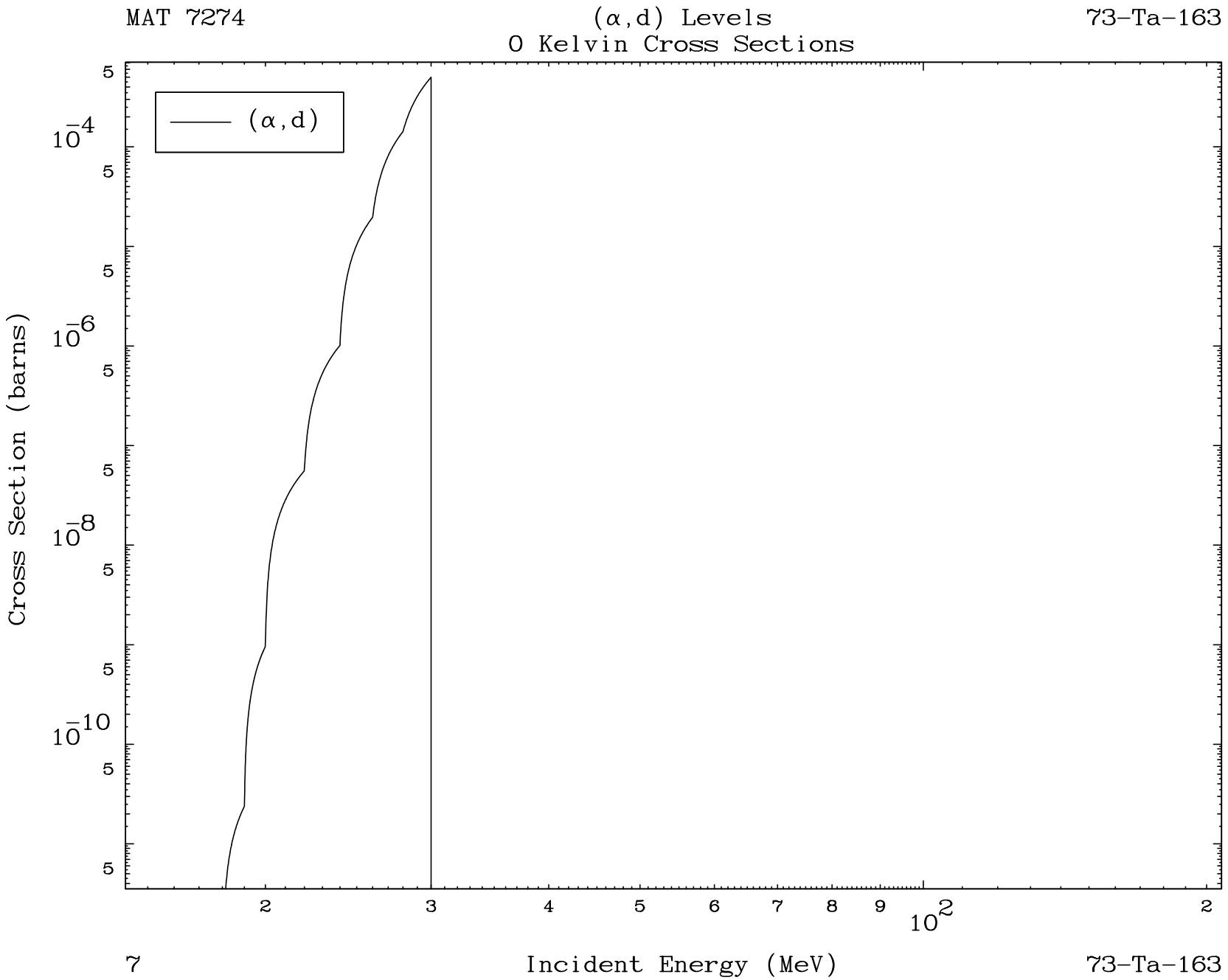

MAT 7274
α Neutron Production
0 Kelvin Cross Sections
73-Ta-163
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
Incident Energy (MeV)
73-Ta-163

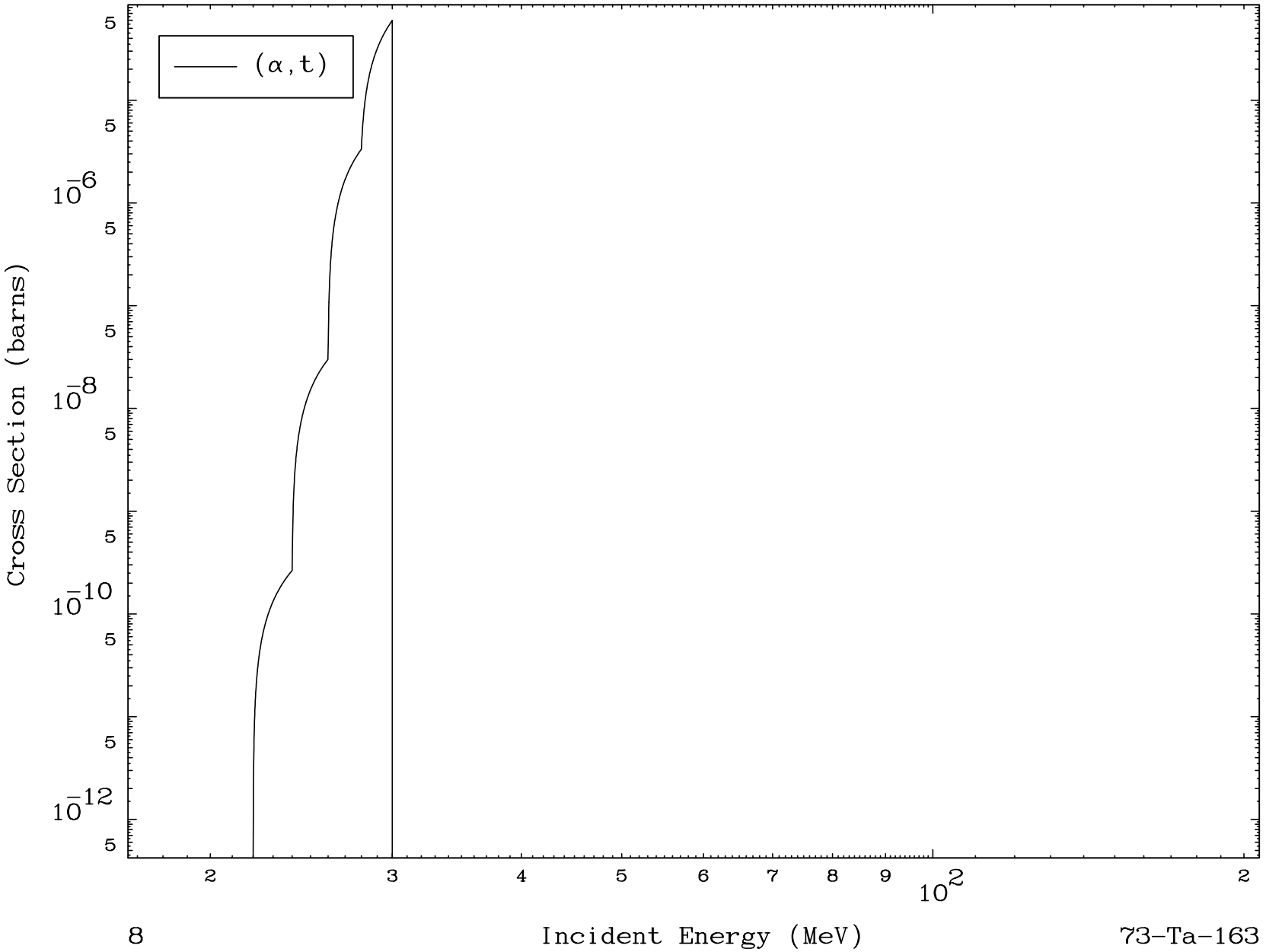

MAT 7274
α Charged Particle
0 Kelvin Cross Sections
73-Ta-163
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
73-Ta-163


MAT 7274
α Charged Particle
0 Kelvin Cross Sections
73-Ta-163
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
73-Ta-163

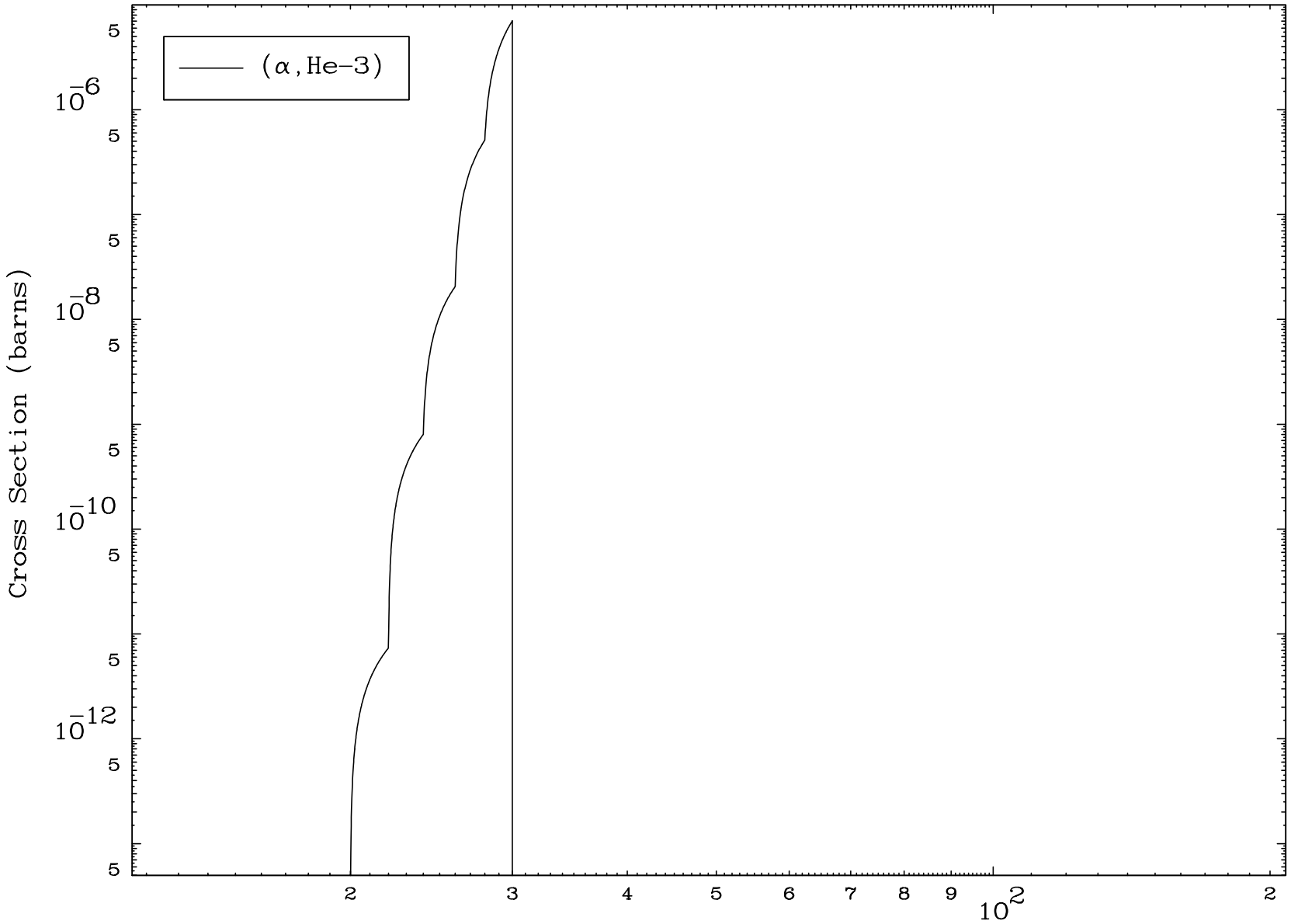

MAT 7274
(α,n') Level
73-Ta-163
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
73-Ta-163

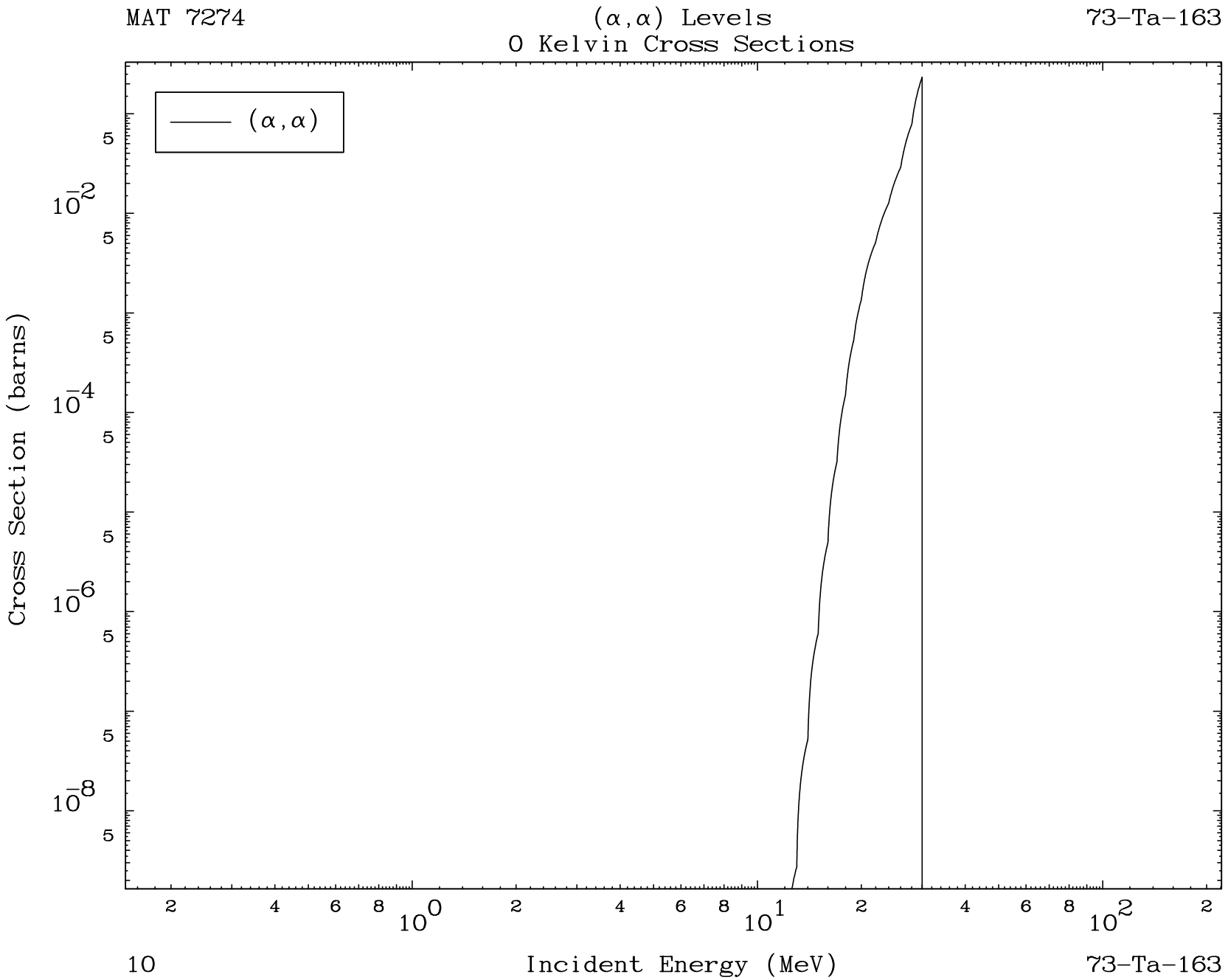

MAT 7274
(α,p) Levels
73-Ta-163
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
73-Ta-163

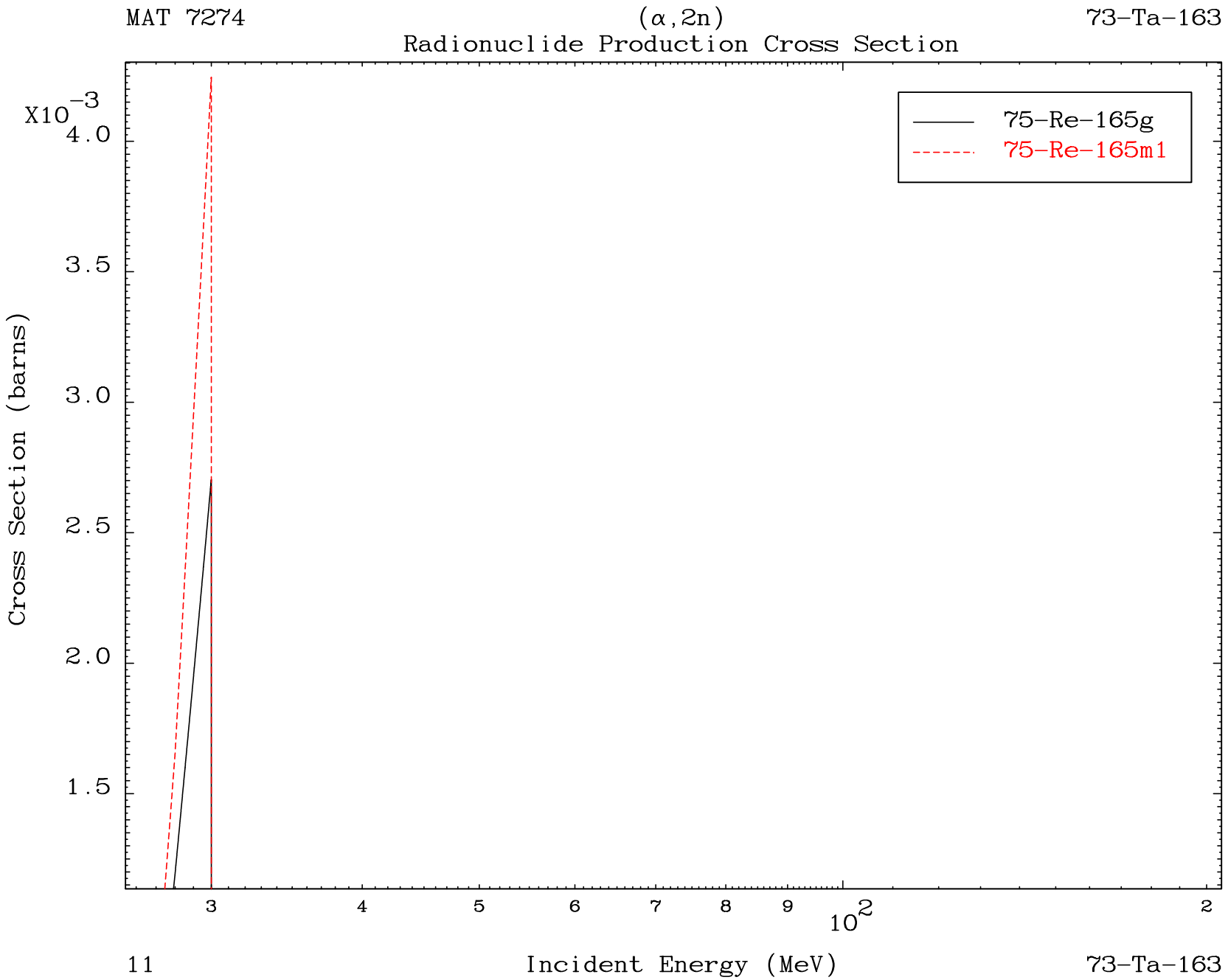

MAT 7274
(α,d) Levels
73-Ta-163
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
2
3
4
5
6
7
8
9
10²
2
7
Incident Energy (MeV)
73-Ta-163

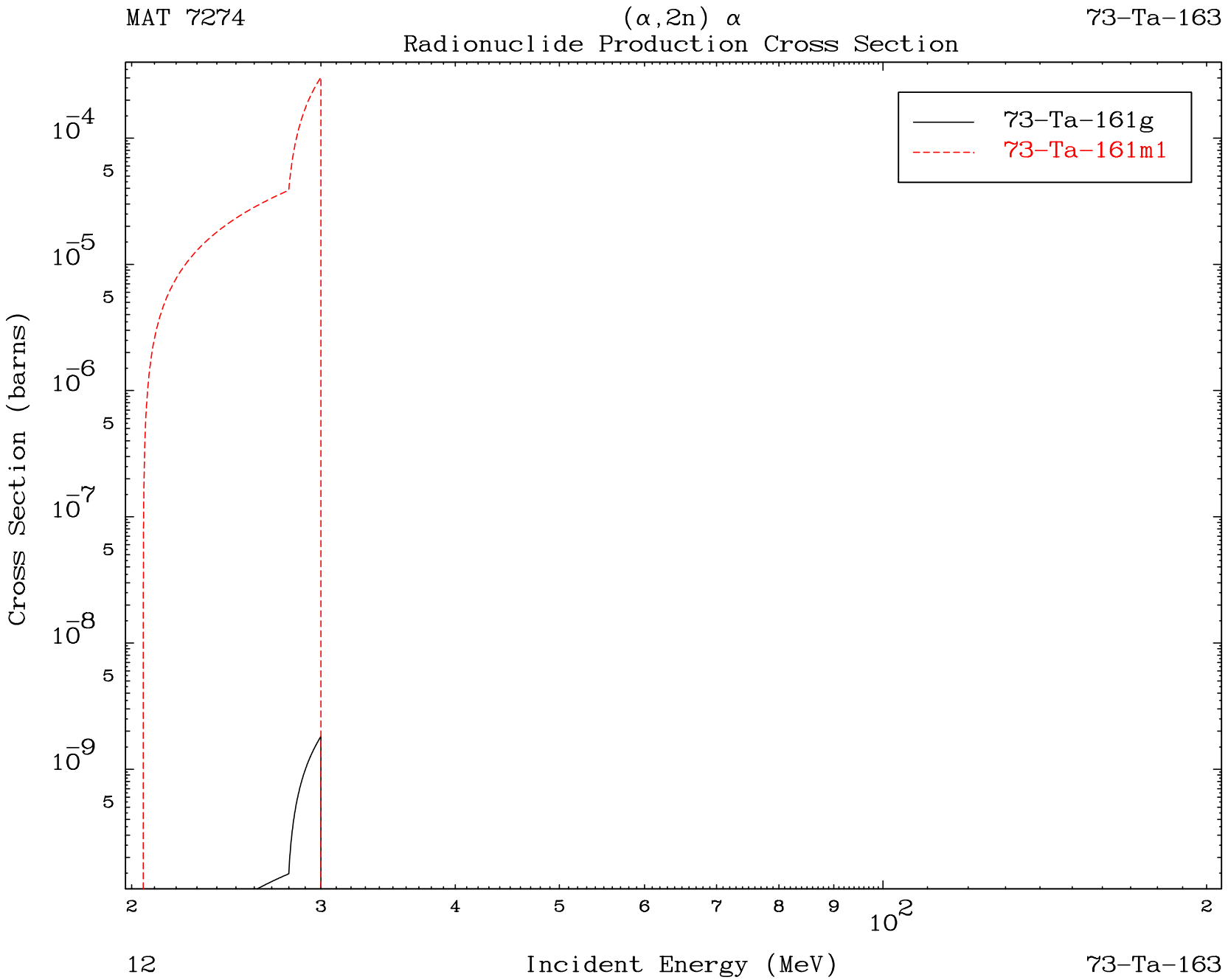

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)

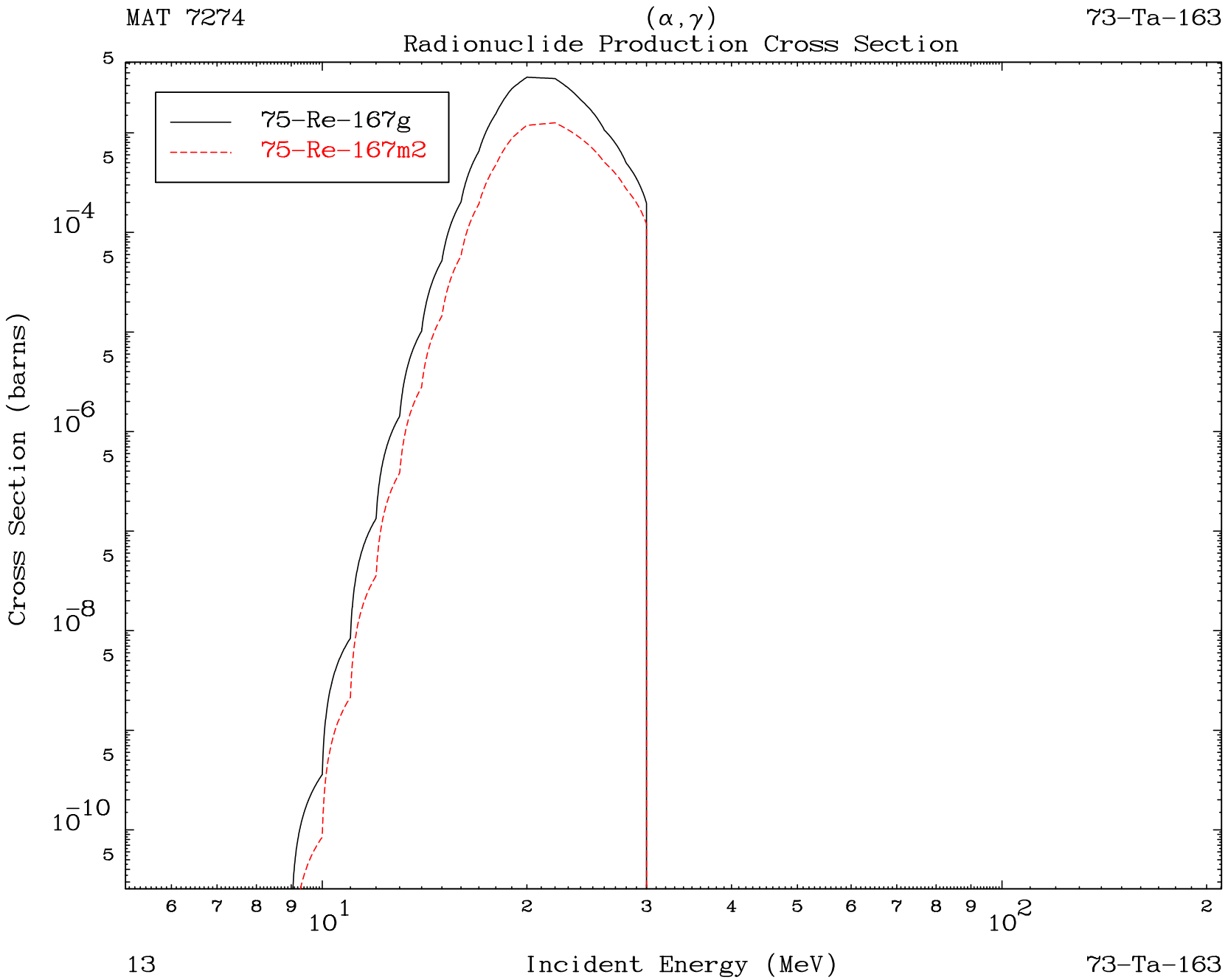
0 Kelvin Cross Sections




MAT 7274
(α,α) Levels
73-Ta-163
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-163


MAT 7274
(α,2n)
73-Ta-163
Radionuclide Production Cross Section
X10-3
4.0
3.5
3.0
2.5
2.0
1.5
Cross Section (barns)
75-Re-165g
75-Re-165m1
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
73-Ta-163


MAT 7274
(α,2n) α
73-Ta-163
Radionuclide Production Cross Section
73-Ta-161g
73-Ta-161m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
10-9
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
73-Ta-163


MAT 7274
(α,γ)
73-Ta-163
Radionuclide Production Cross Section
75-Re-167g
75-Re-167m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
13
73-Ta-163