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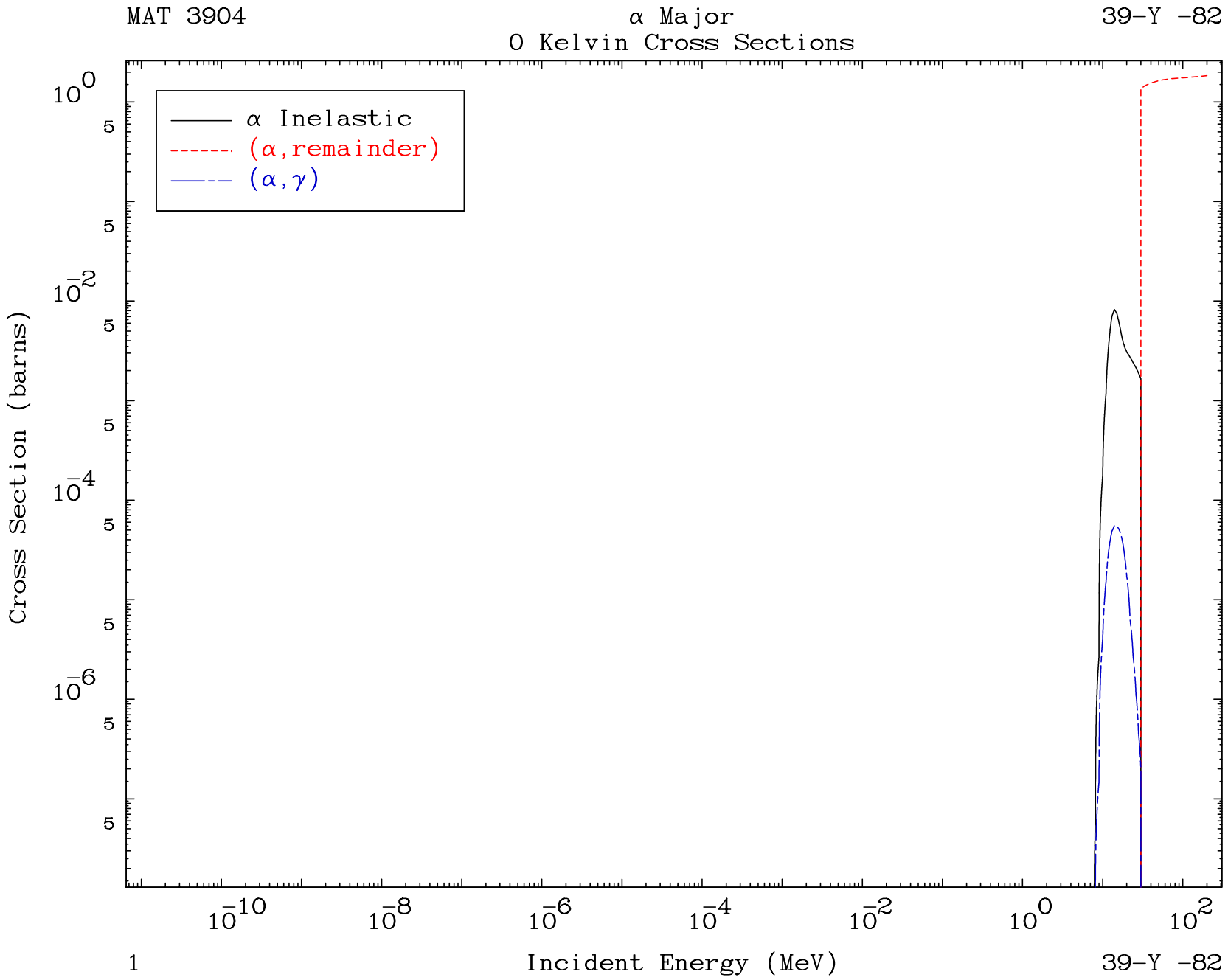
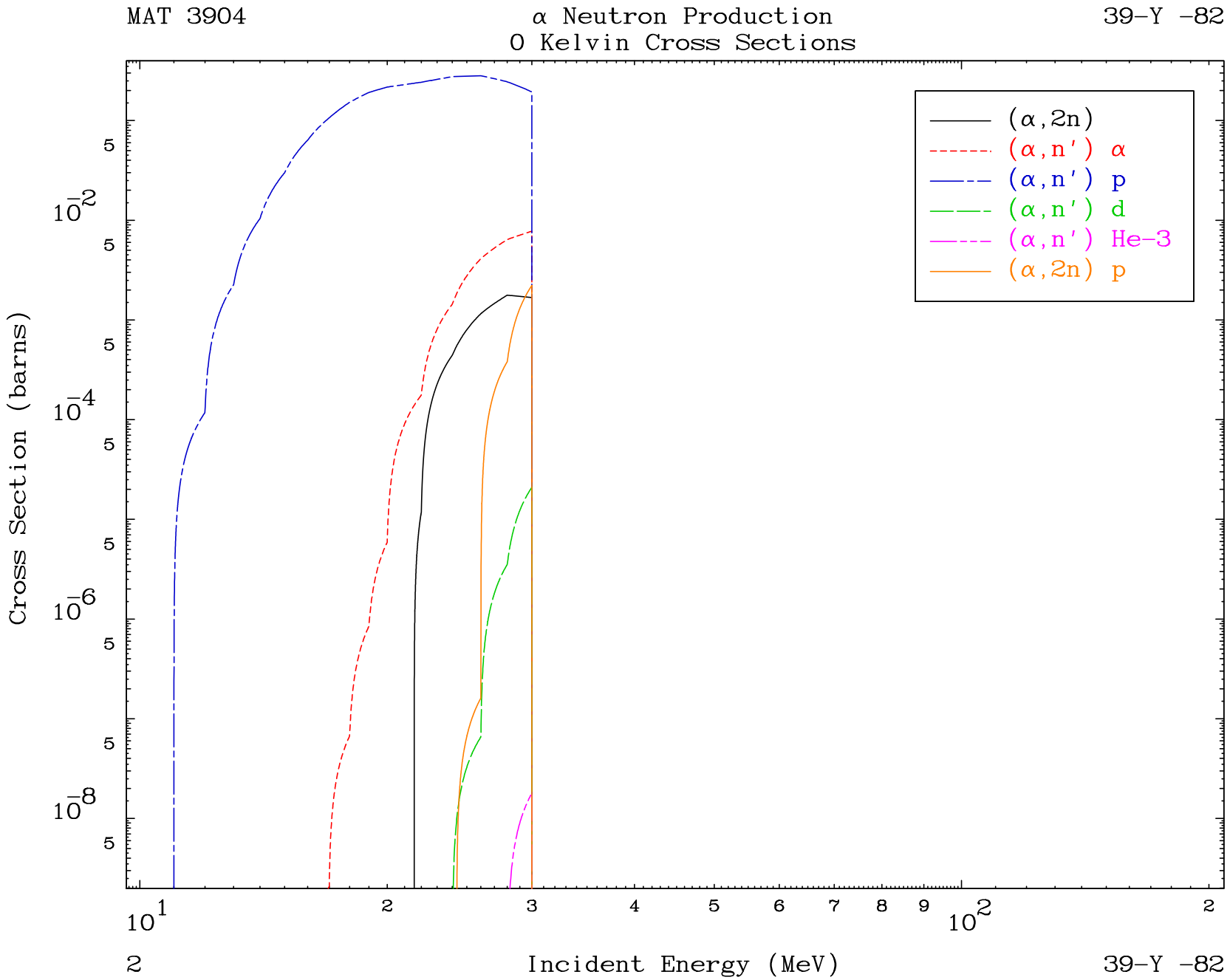
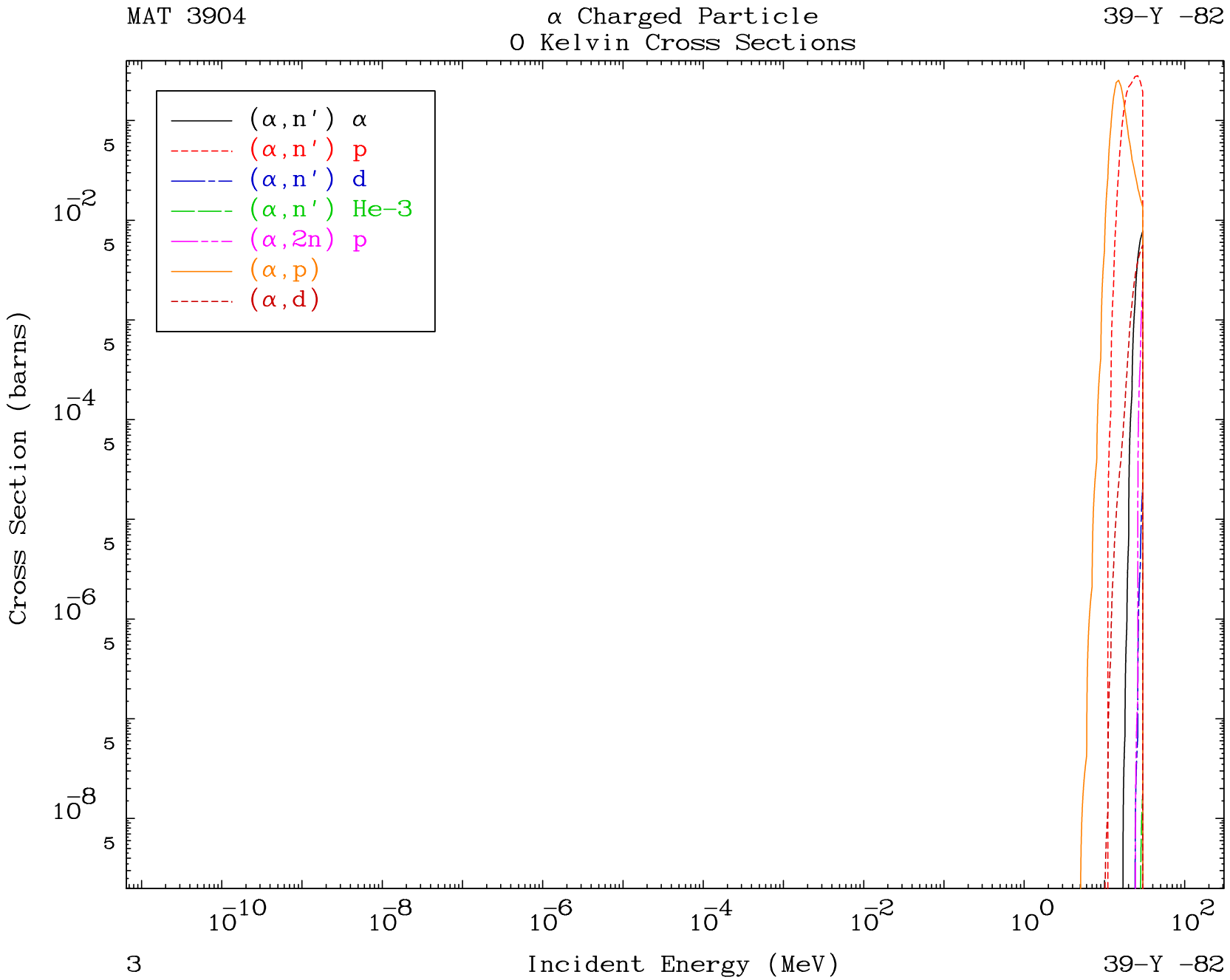
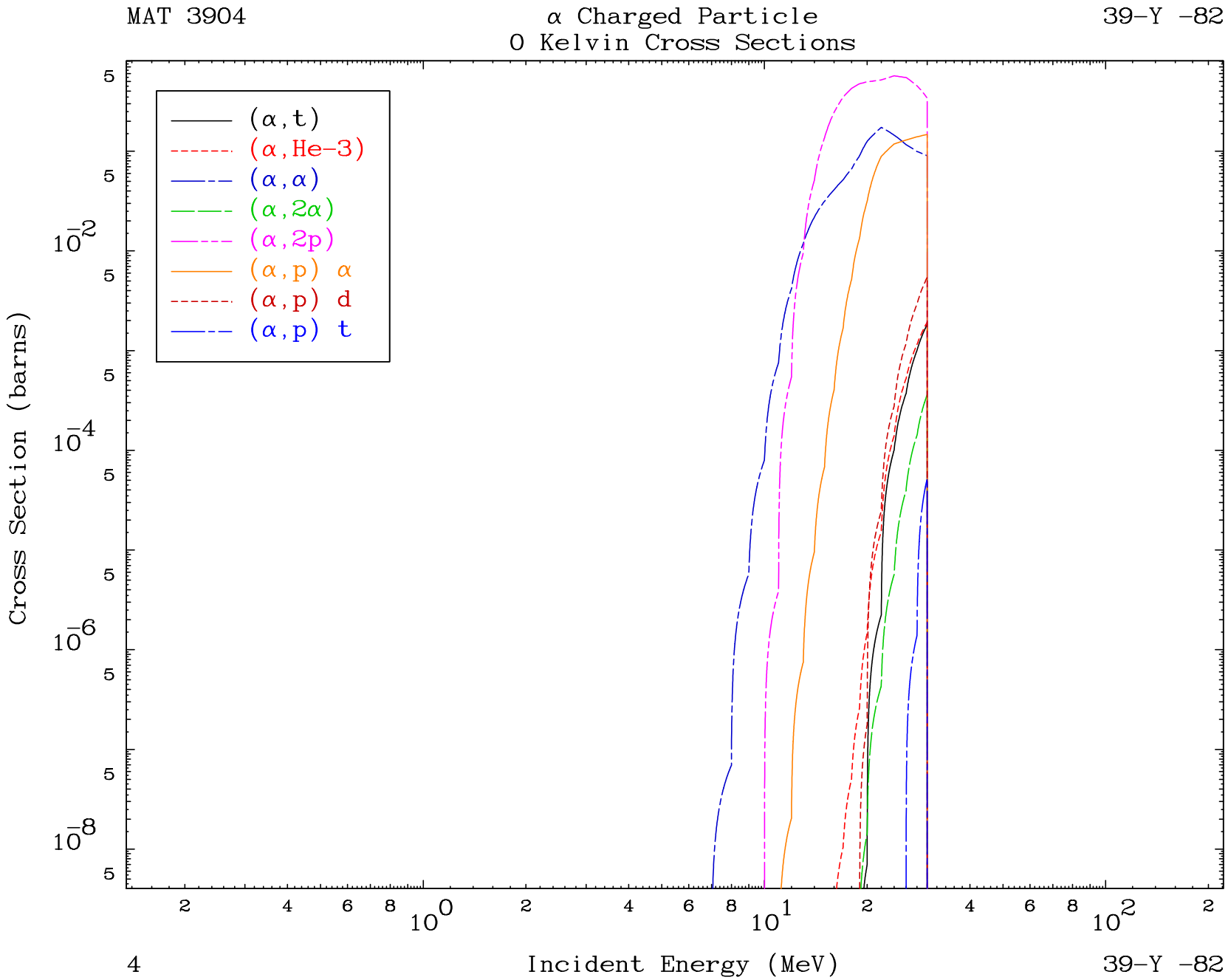
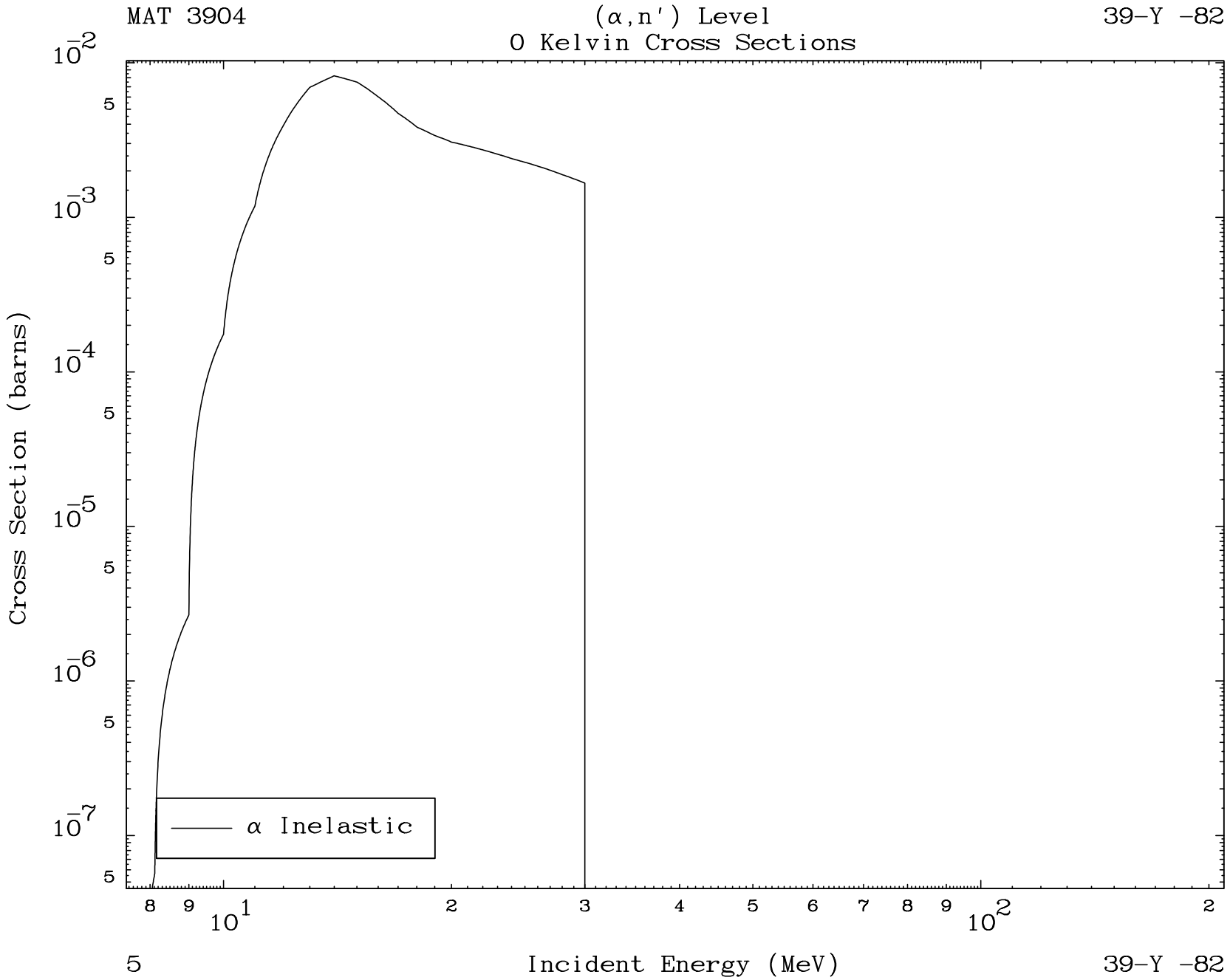
Press Mouse Button to Start

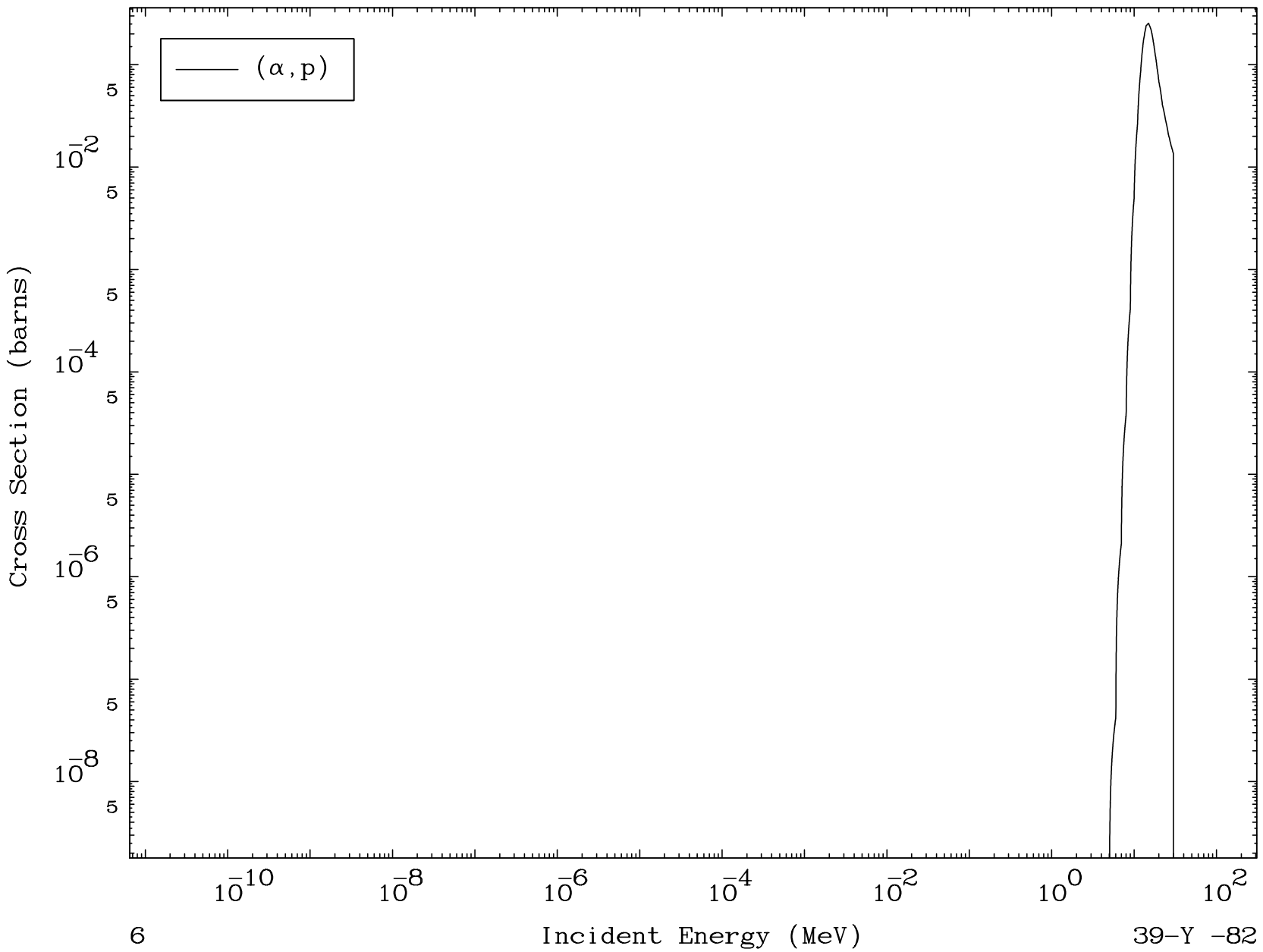

MAT 3904
α Major
39-Y -82
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
39-Y -82

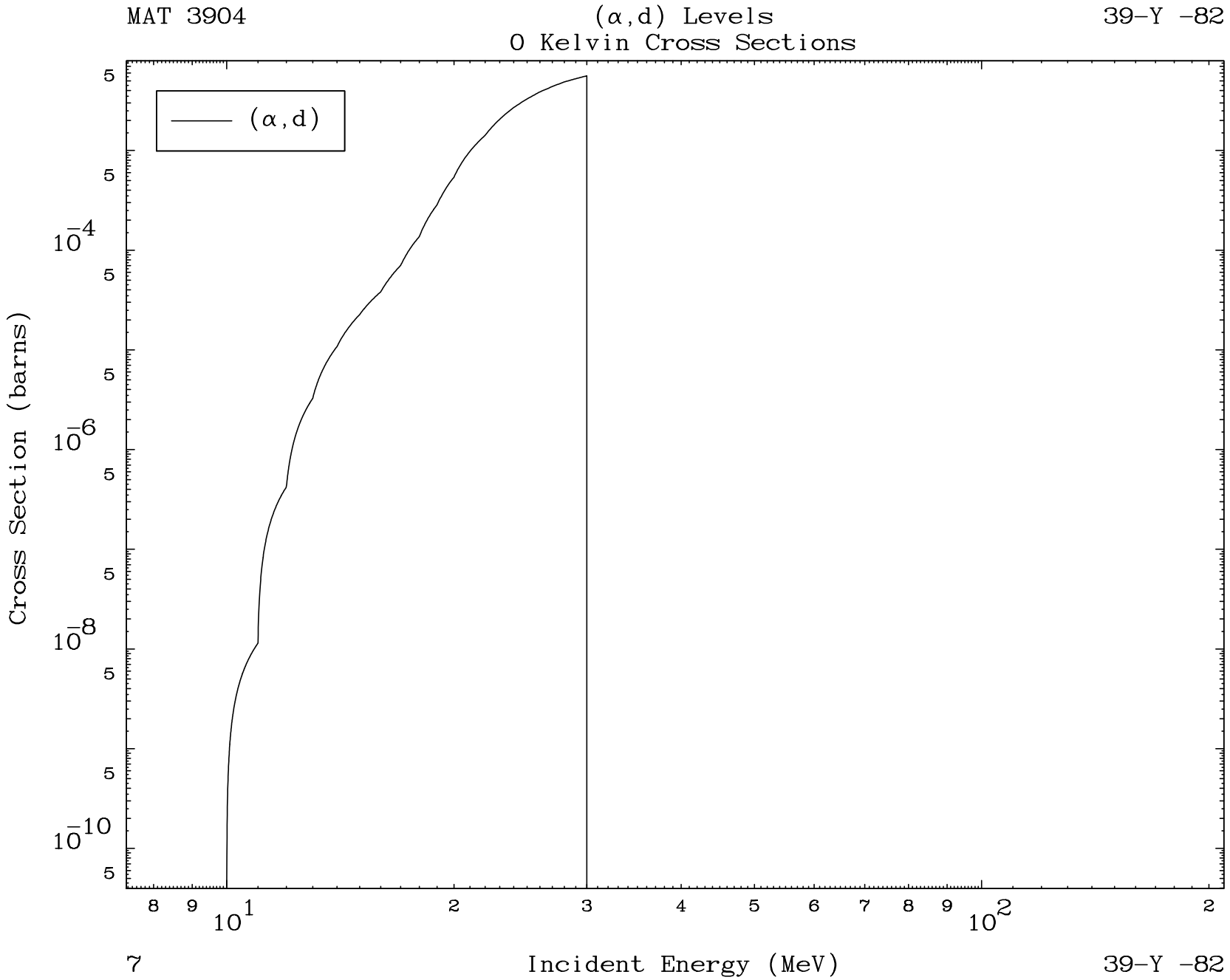

MAT 3904
α Neutron Production
0 Kelvin Cross Sections
39-Y -82
(α,2n)
(α,n') α
(α,n') p
(α,n') d
(α,n') He-3
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
39-Y -82


MAT 3904
α Charged Particle
0 Kelvin Cross Sections
39-Y -82
(α,n') α
(α,n') p
(α,n') d
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
39-Y -82

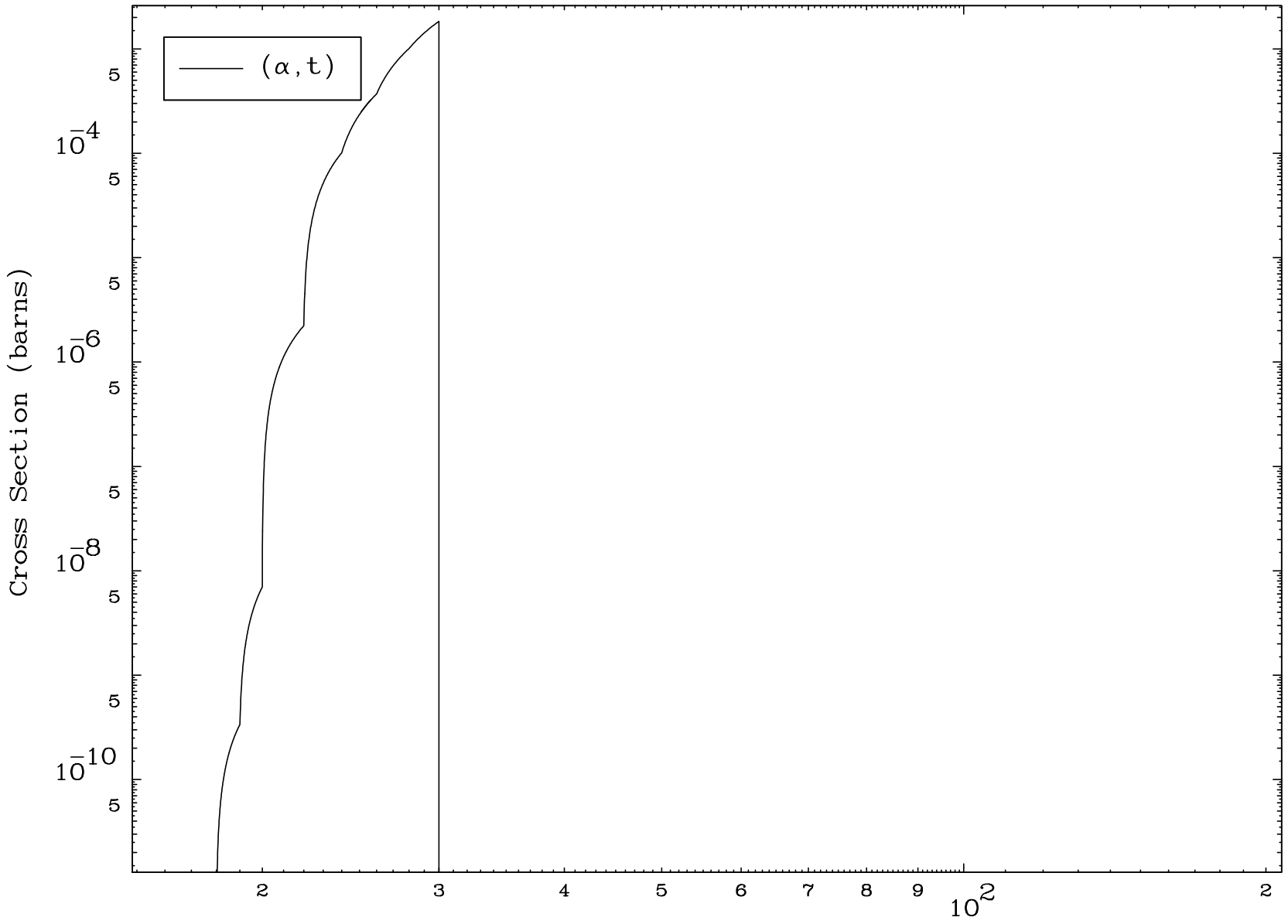

MAT 3904
α Charged Particle
0 Kelvin Cross Sections
39-Y -82
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
39-Y -82

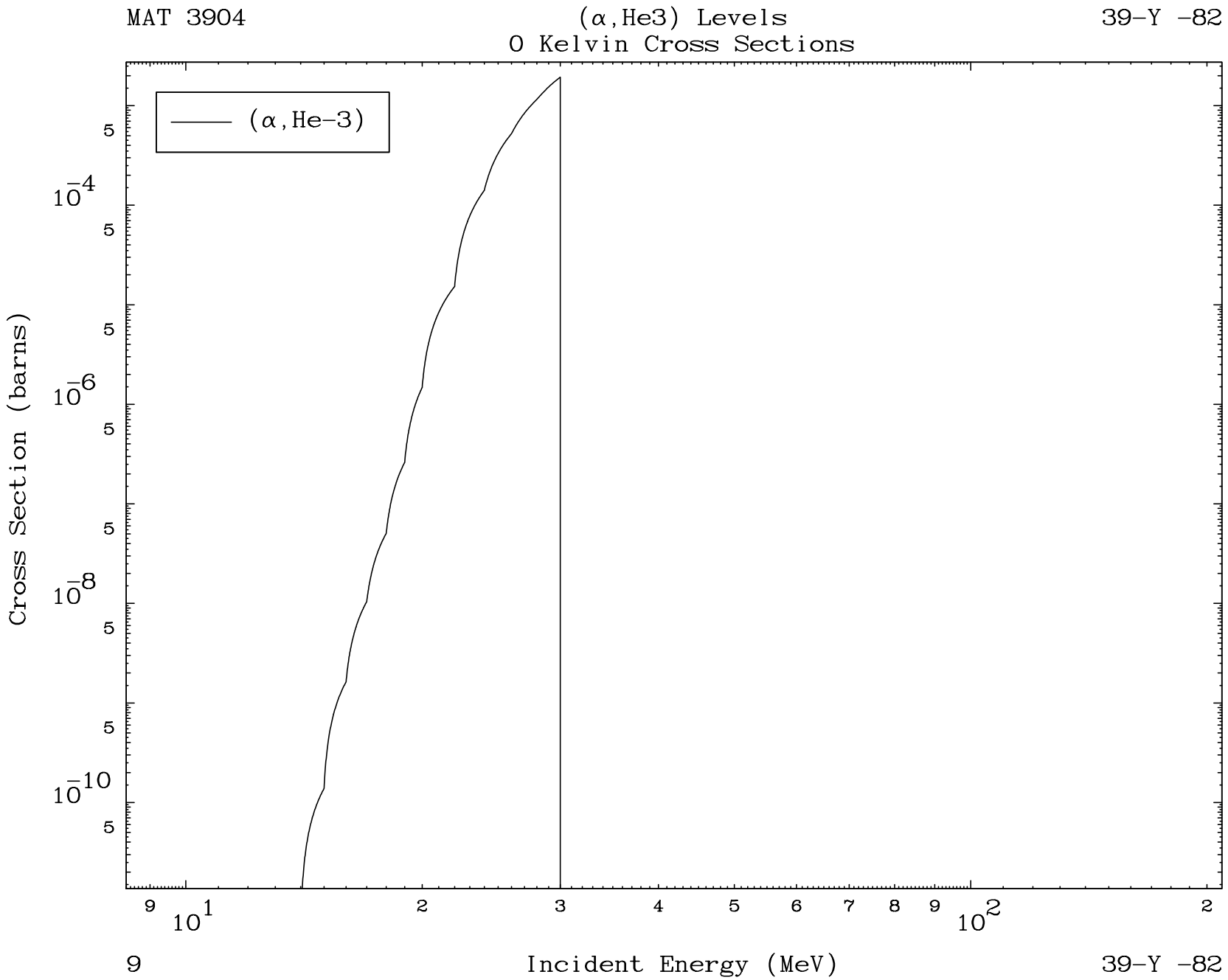

MAT 3904
(α,n') Level
39-Y -82
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
α Inelastic
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
39-Y -82

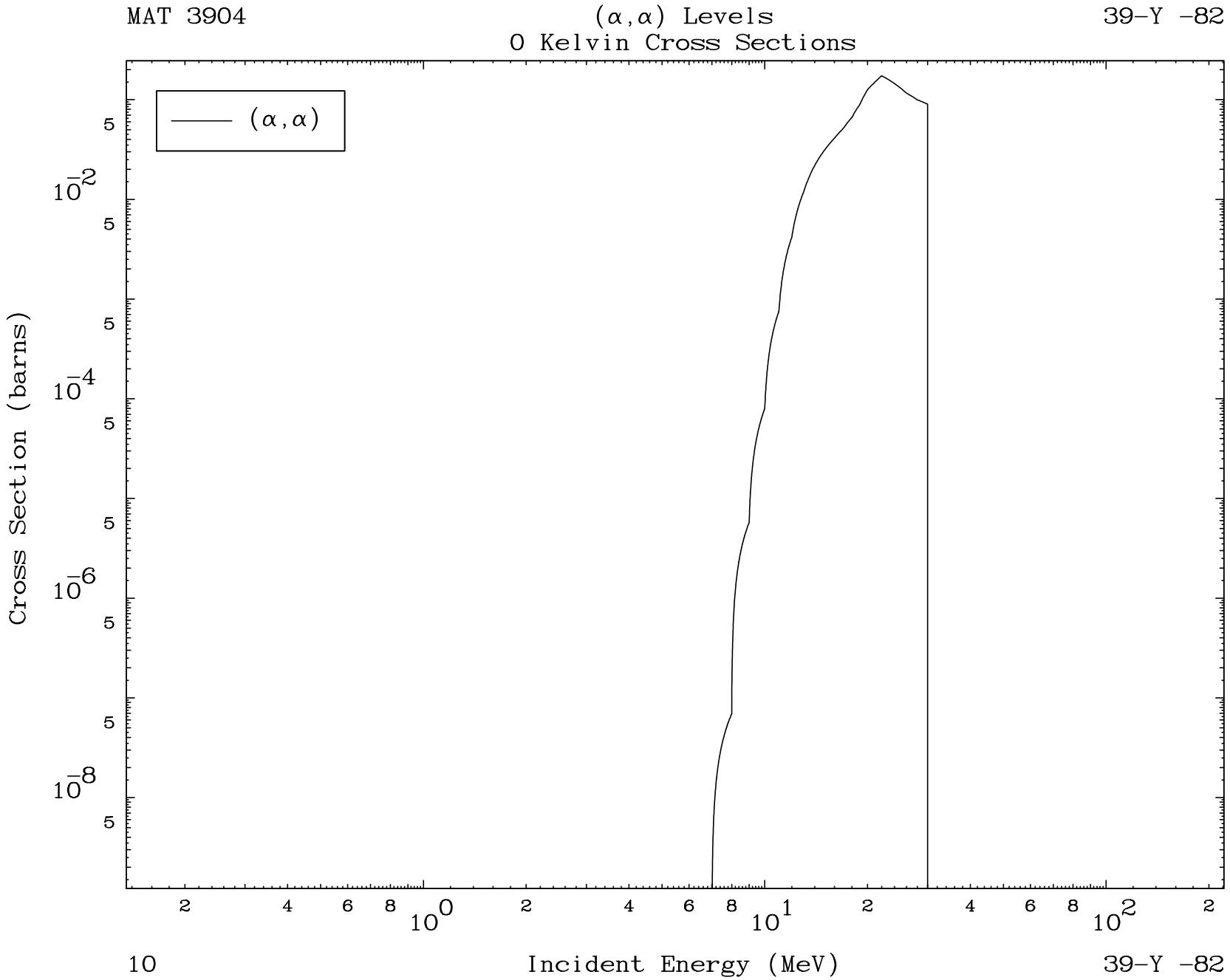

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)

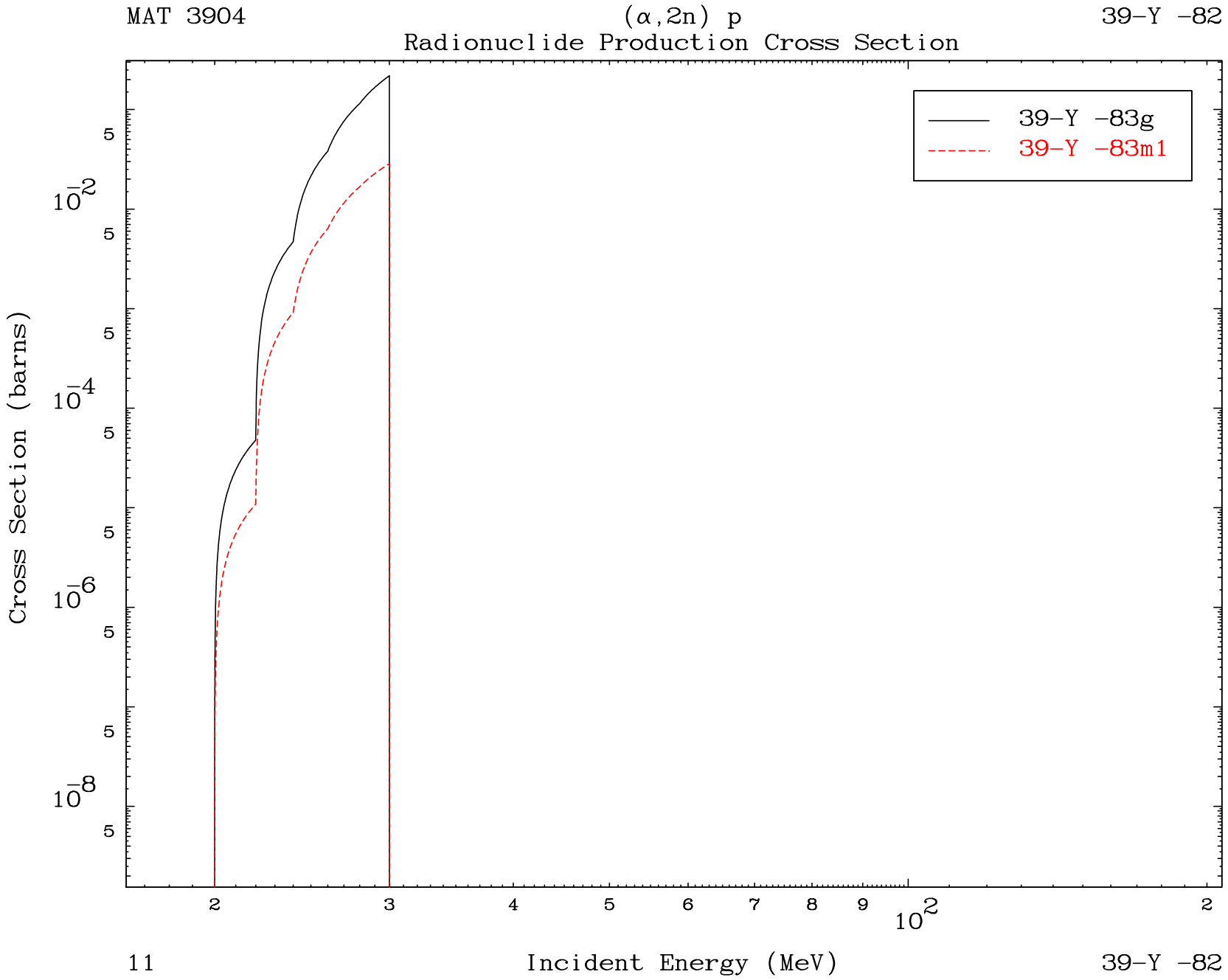

MAT 3904
(α,d) Levels
39-Y -82
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
7
39-Y -82

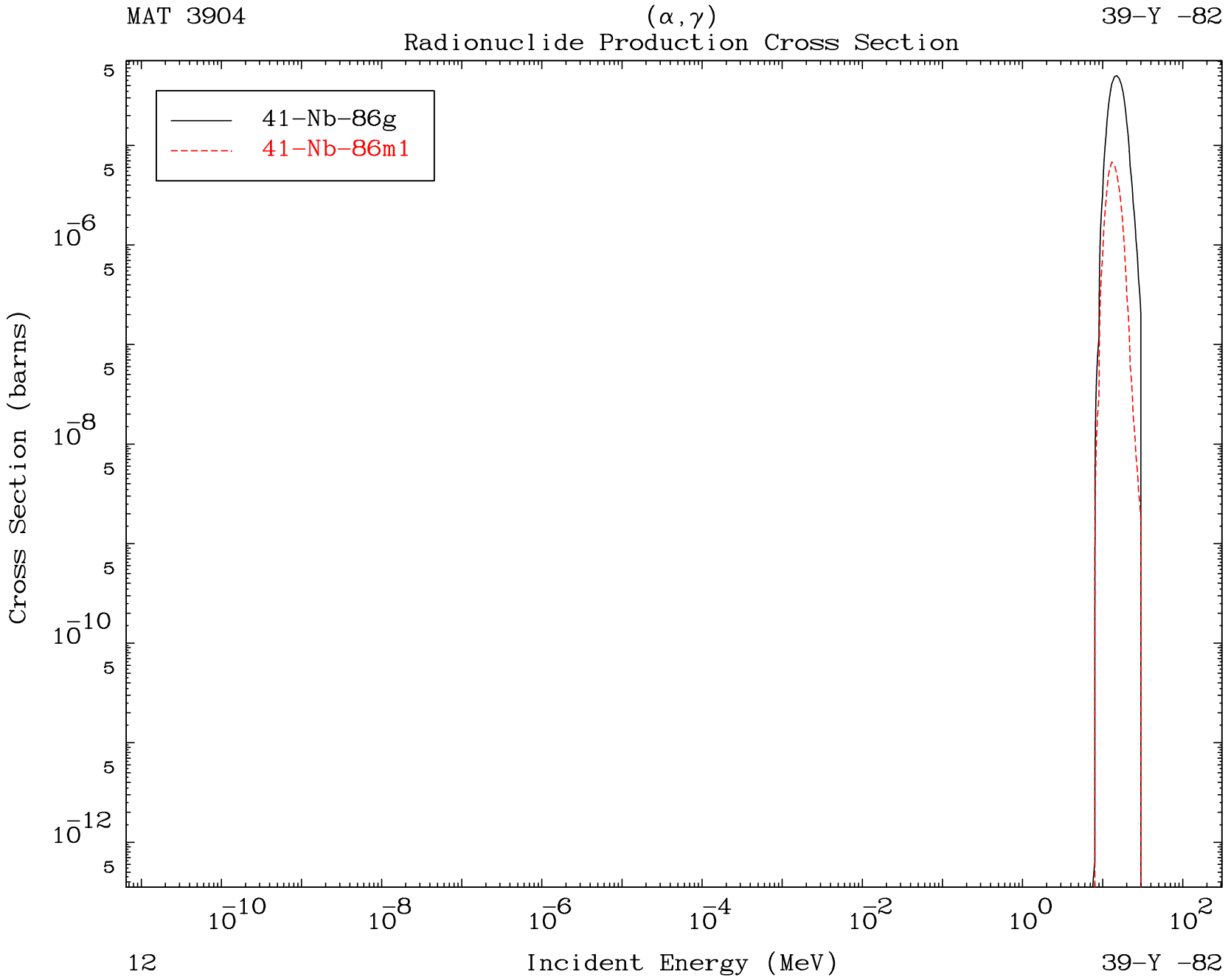
0 Kelvin Cross Sections

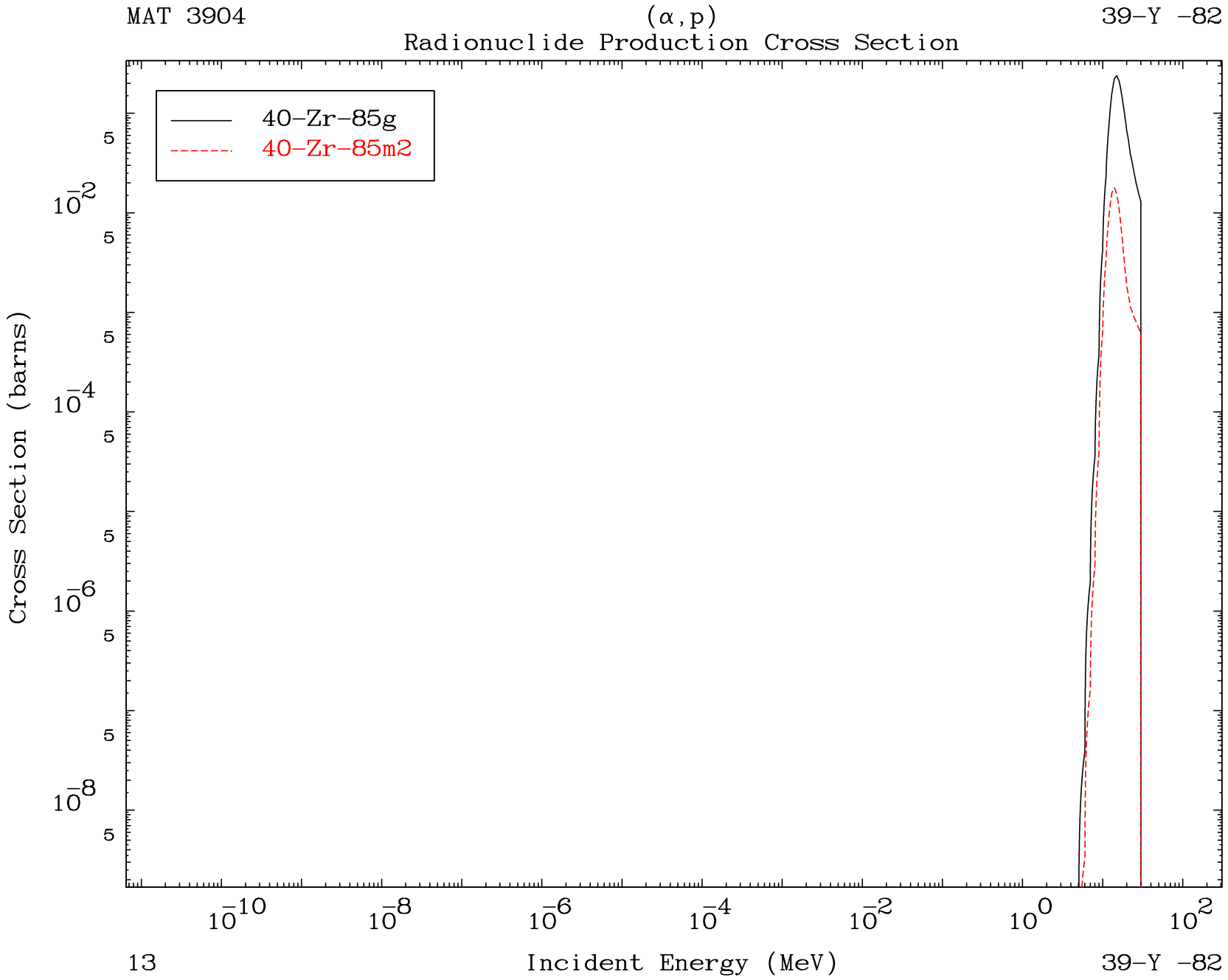


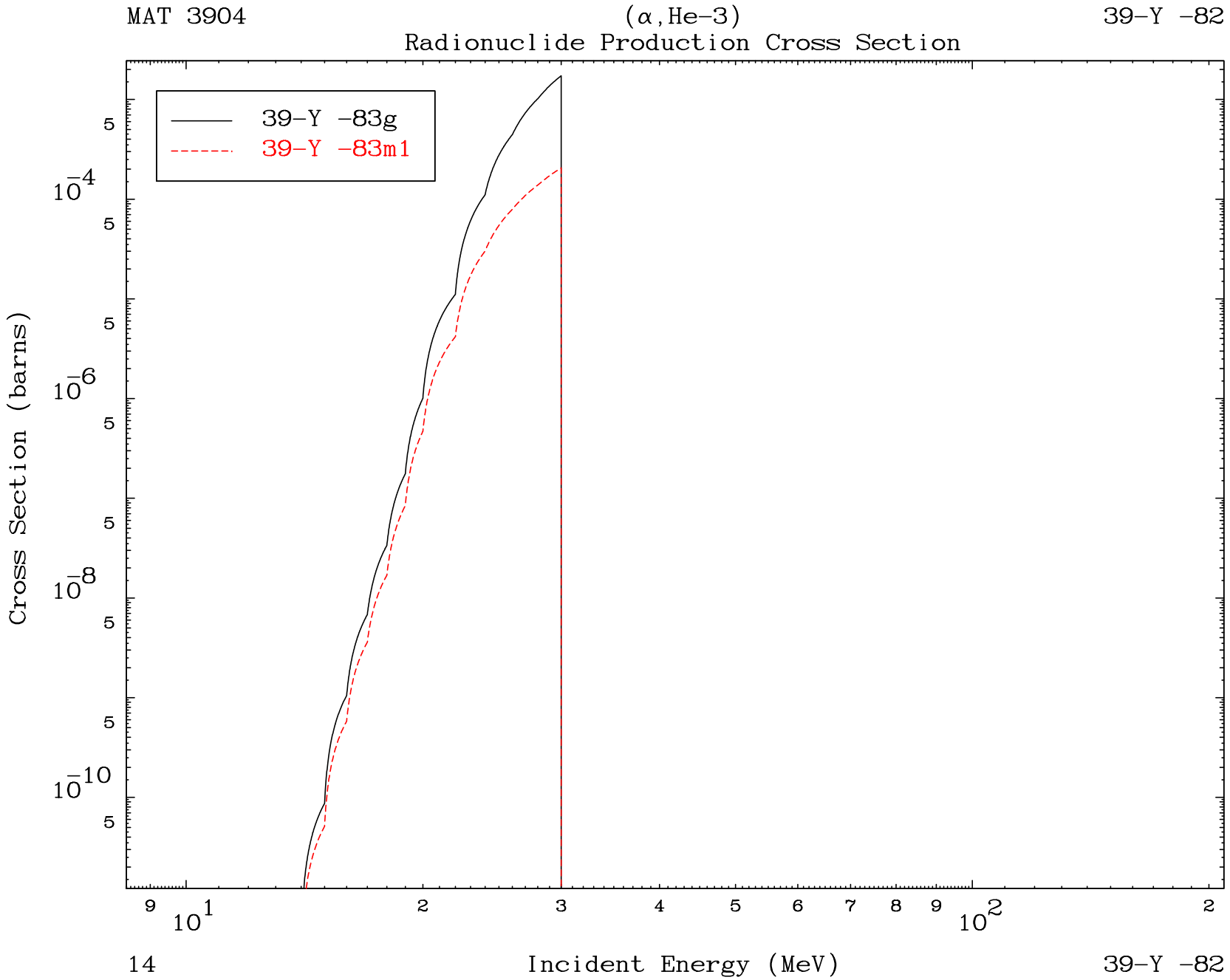

MAT 3904
(α,He3) Levels
39-Y -82
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
39-Y -82

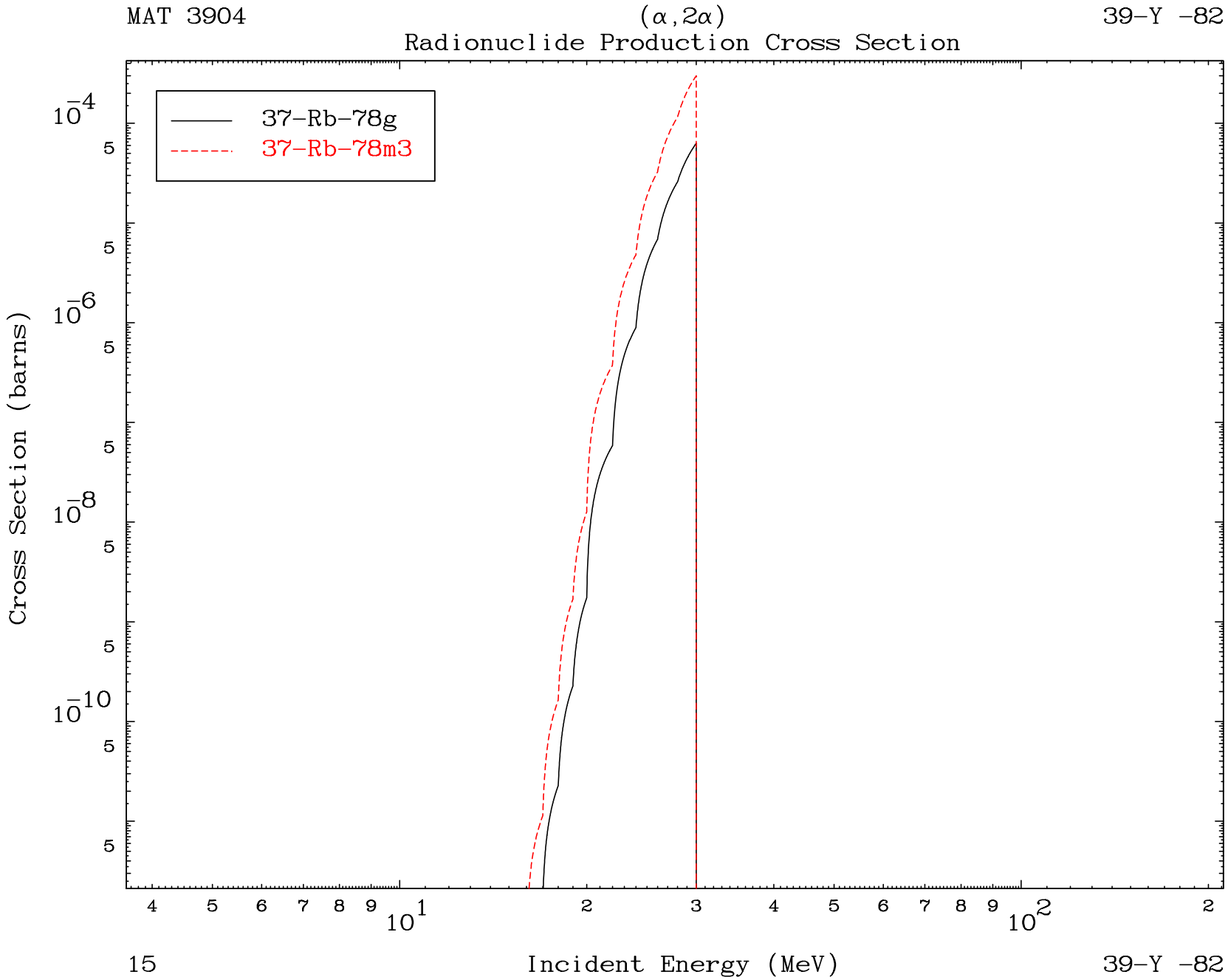

MAT 3904
(α,α) Levels
39-Y -82
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
39-Y -82

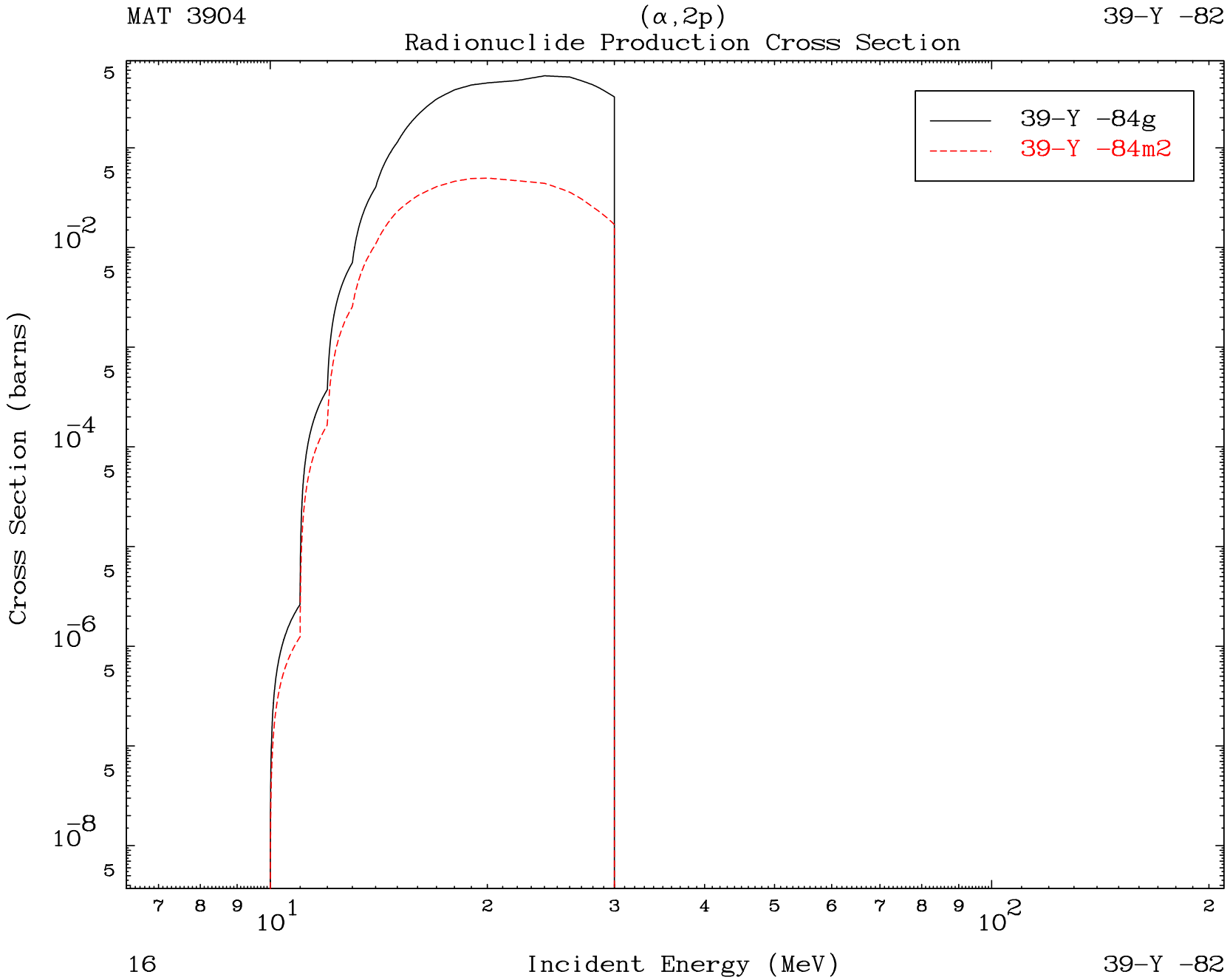

MAT 3904
(α,2n) p
39-Y -82
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
39-Y -82

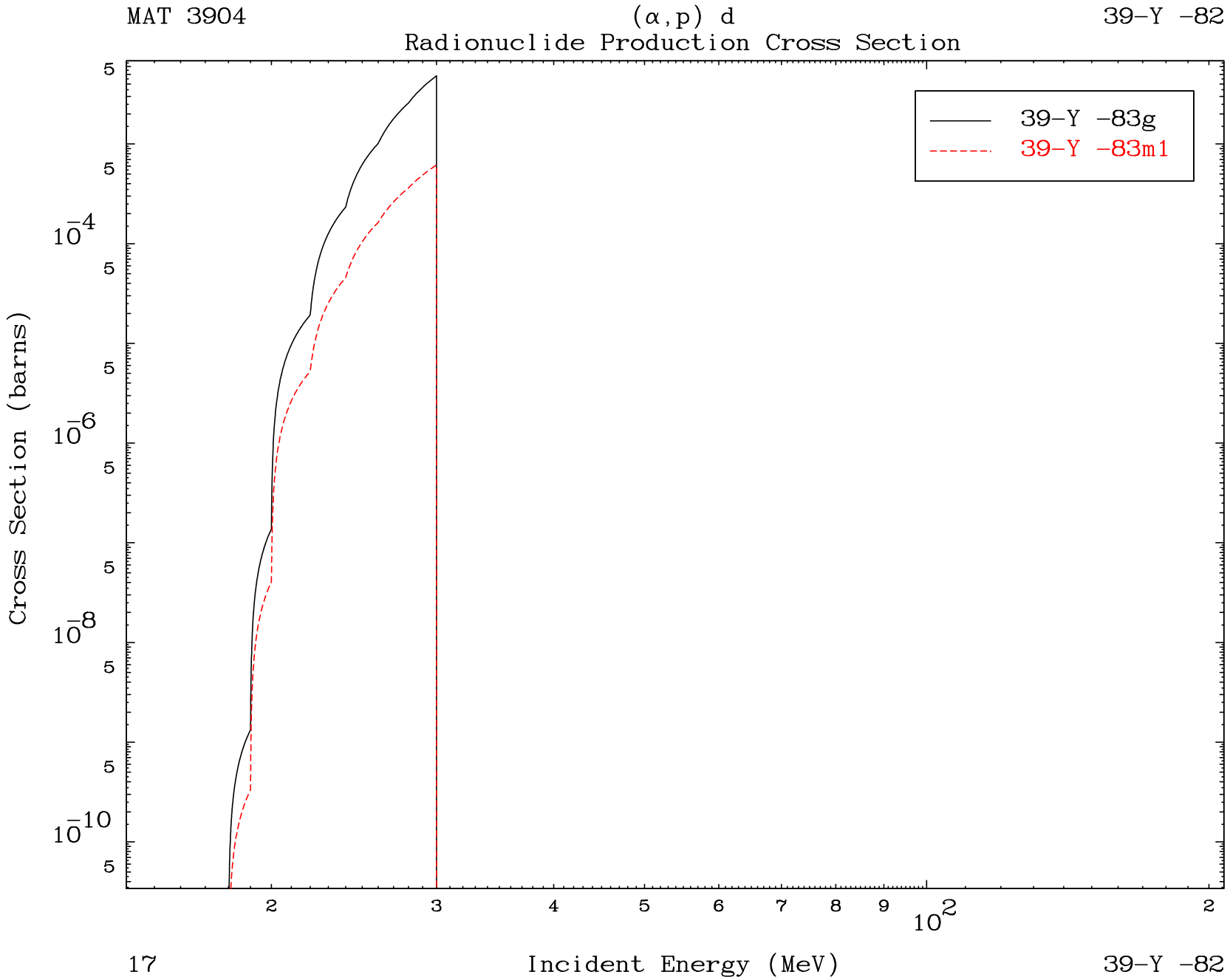

MAT 3904
(α,γ)
39-Y -82
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
Incident Energy (MeV)
12
39-Y -82


MAT 3904
(α,p)
39-Y -82
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
13
Incident Energy (MeV)
39-Y -82


MAT 3904
(α,He-3)
39-Y -82
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
39-Y -82


MAT 3904
(α,2α)
39-Y -82
Radionuclide Production Cross Section
37-Rb-78g
37-Rb-78m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
15
39-Y -82


MAT 3904
(α,2p)
39-Y -82
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
16
39-Y -82


MAT 3904
(α,p) d
39-Y -82
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
17
39-Y -82