Program EVALPLOT
(Version 2021-1)
by
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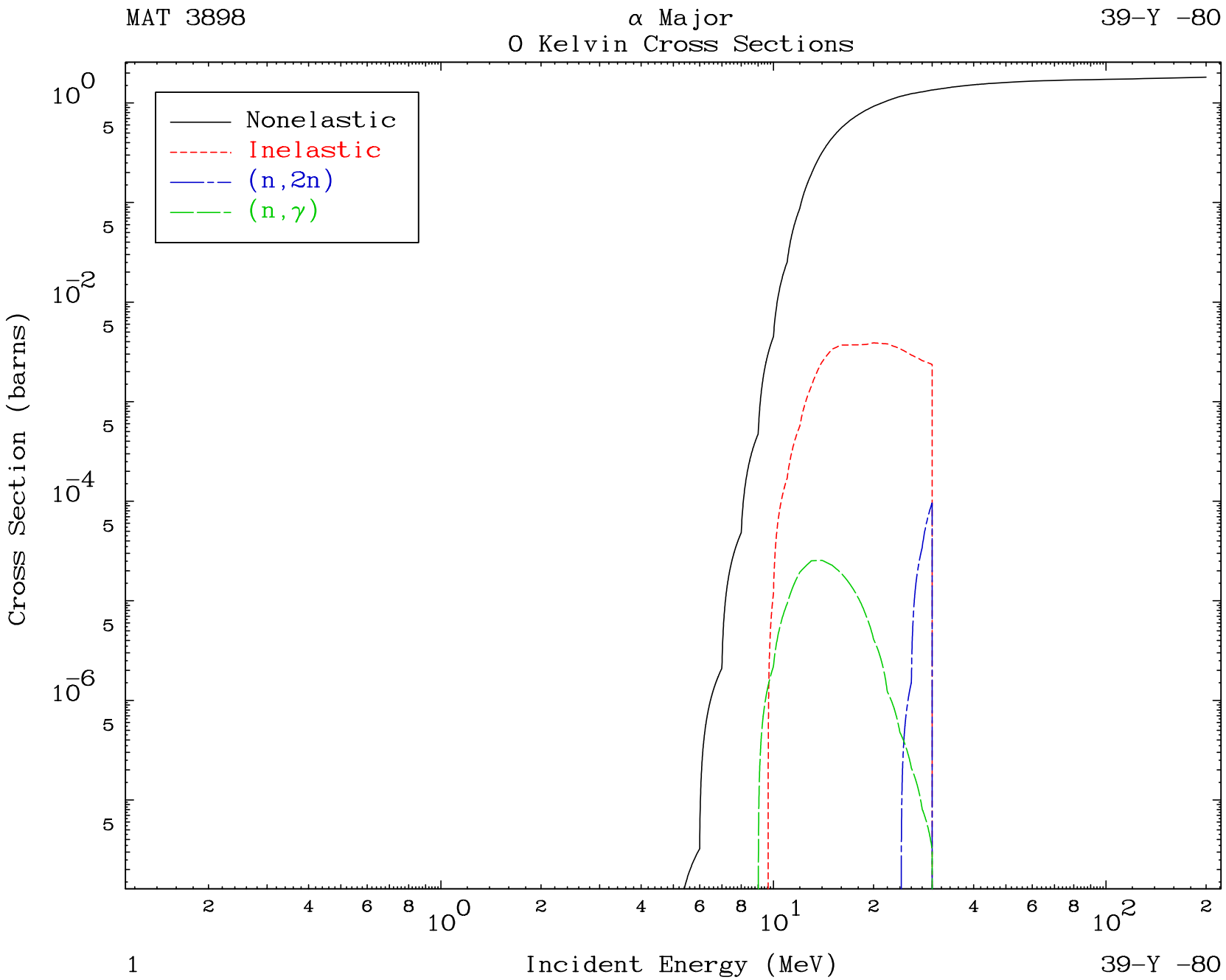
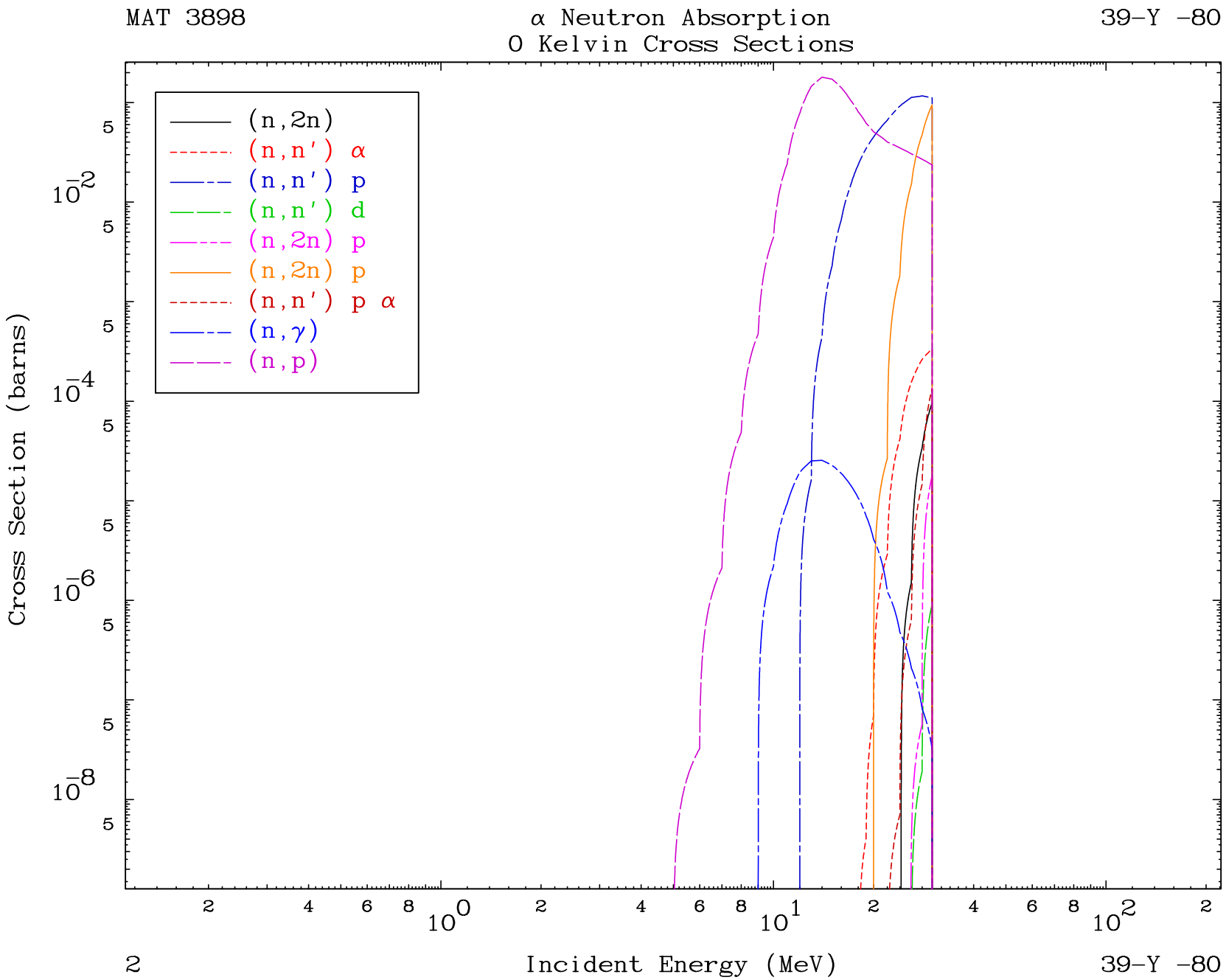
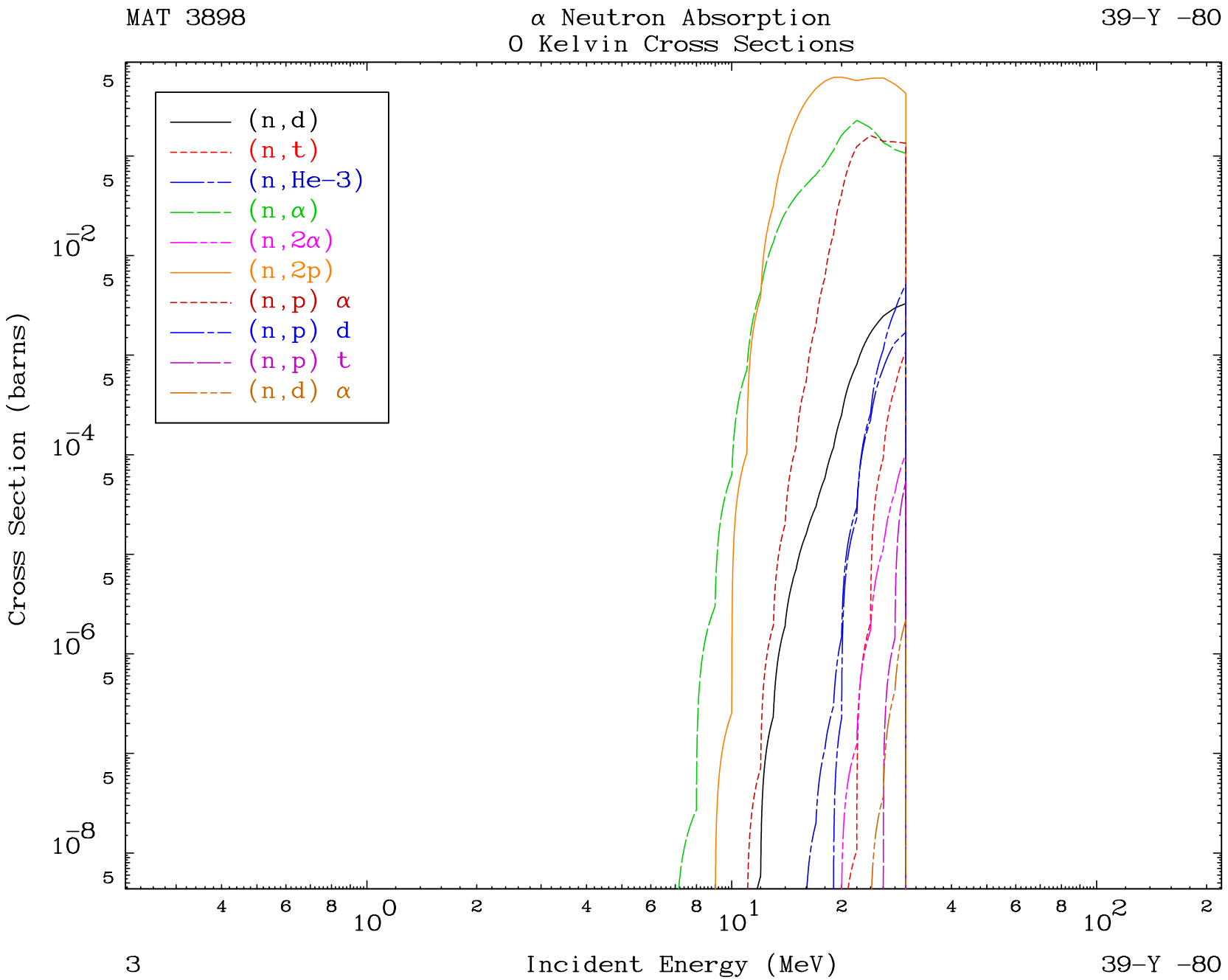
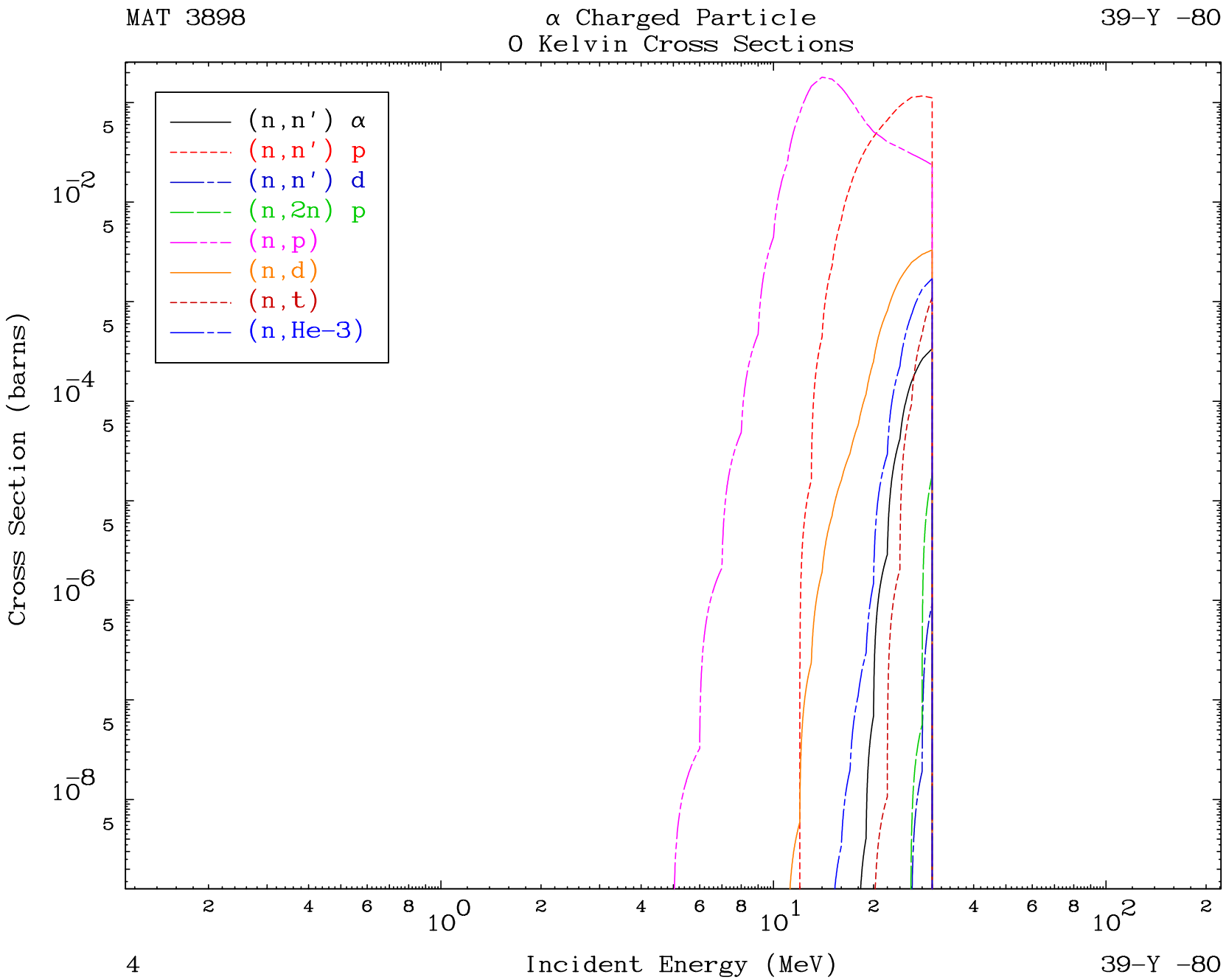
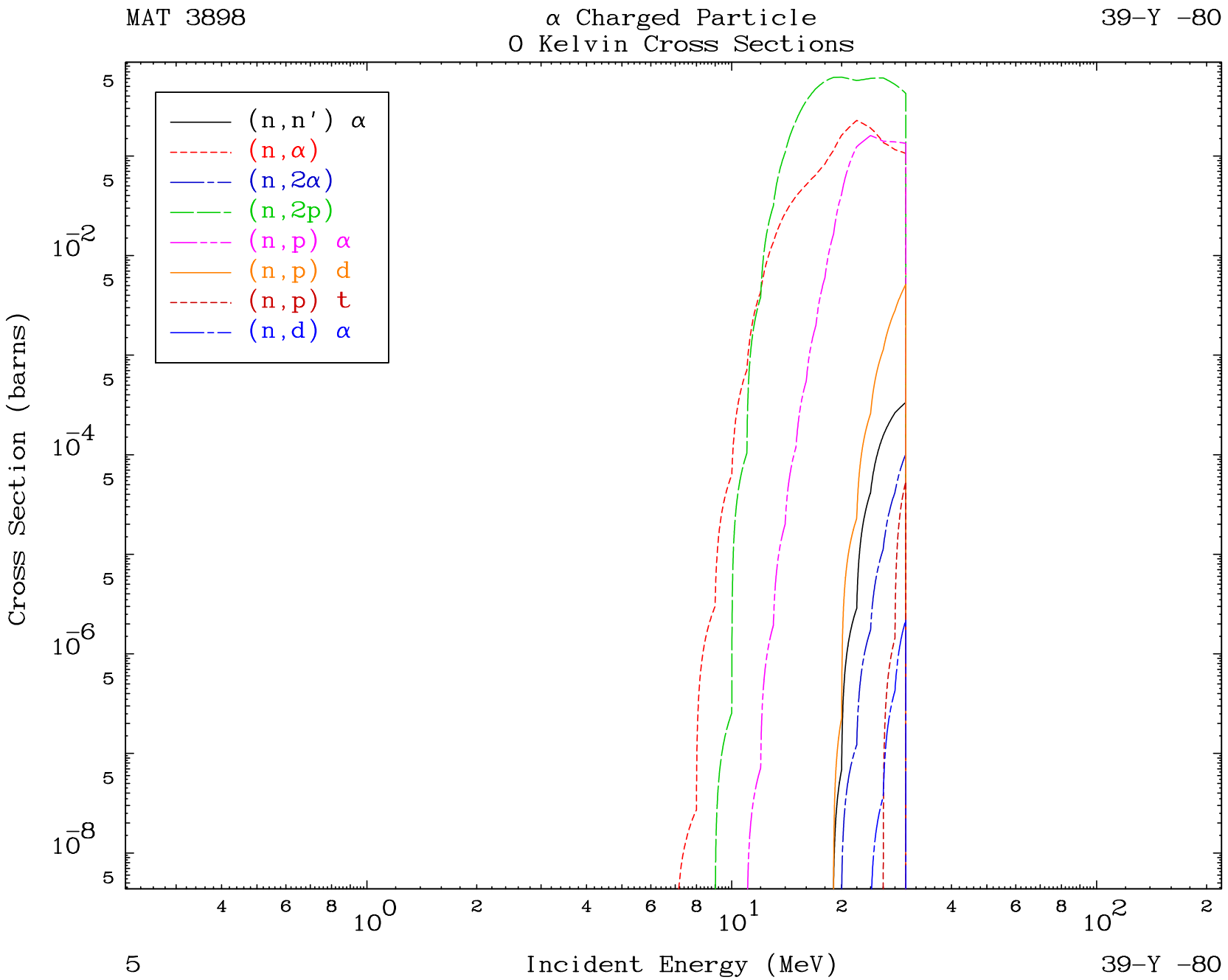
Press Mouse Button to Start

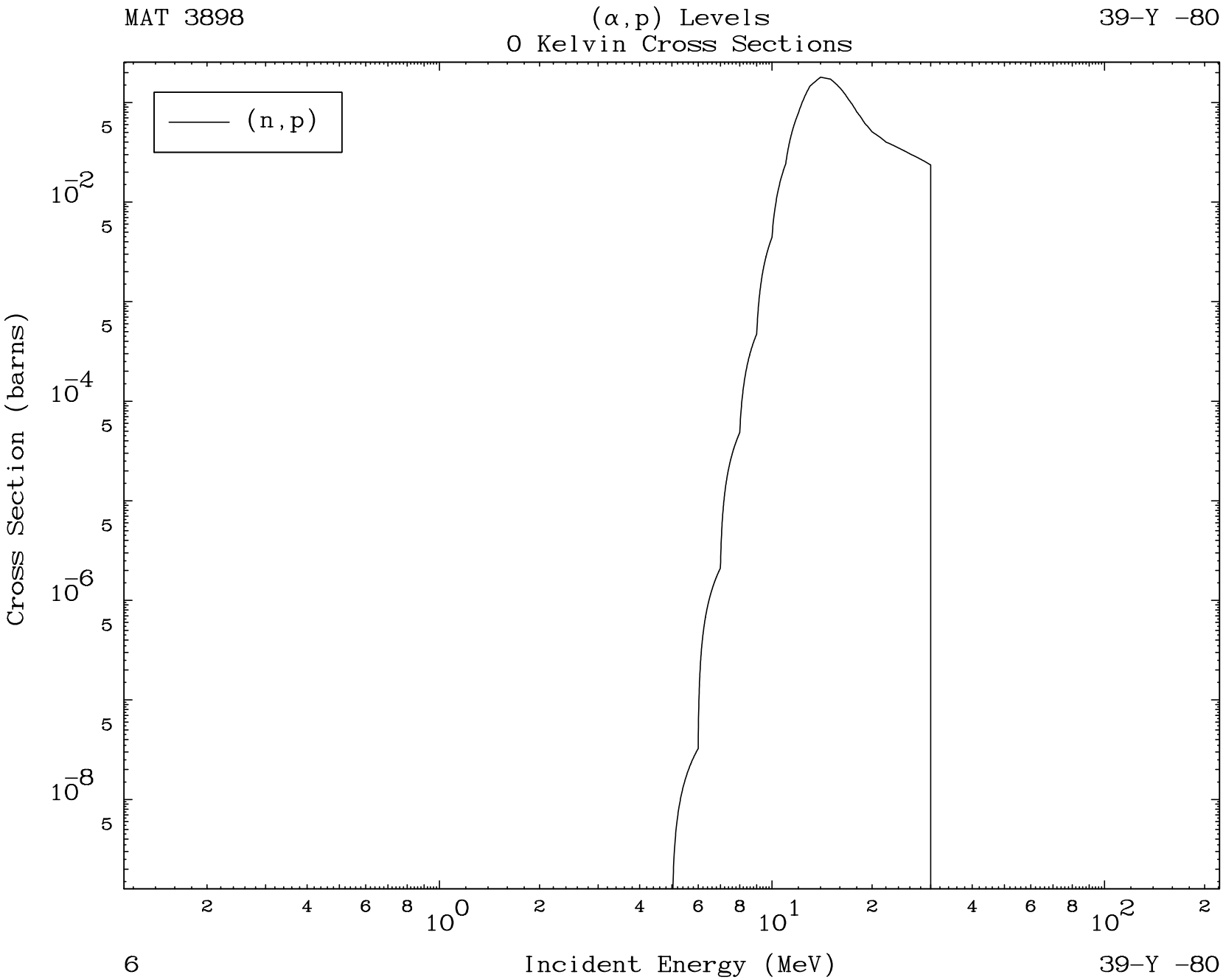

MAT 3898
α Major
39-Y -80
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
39-Y -80

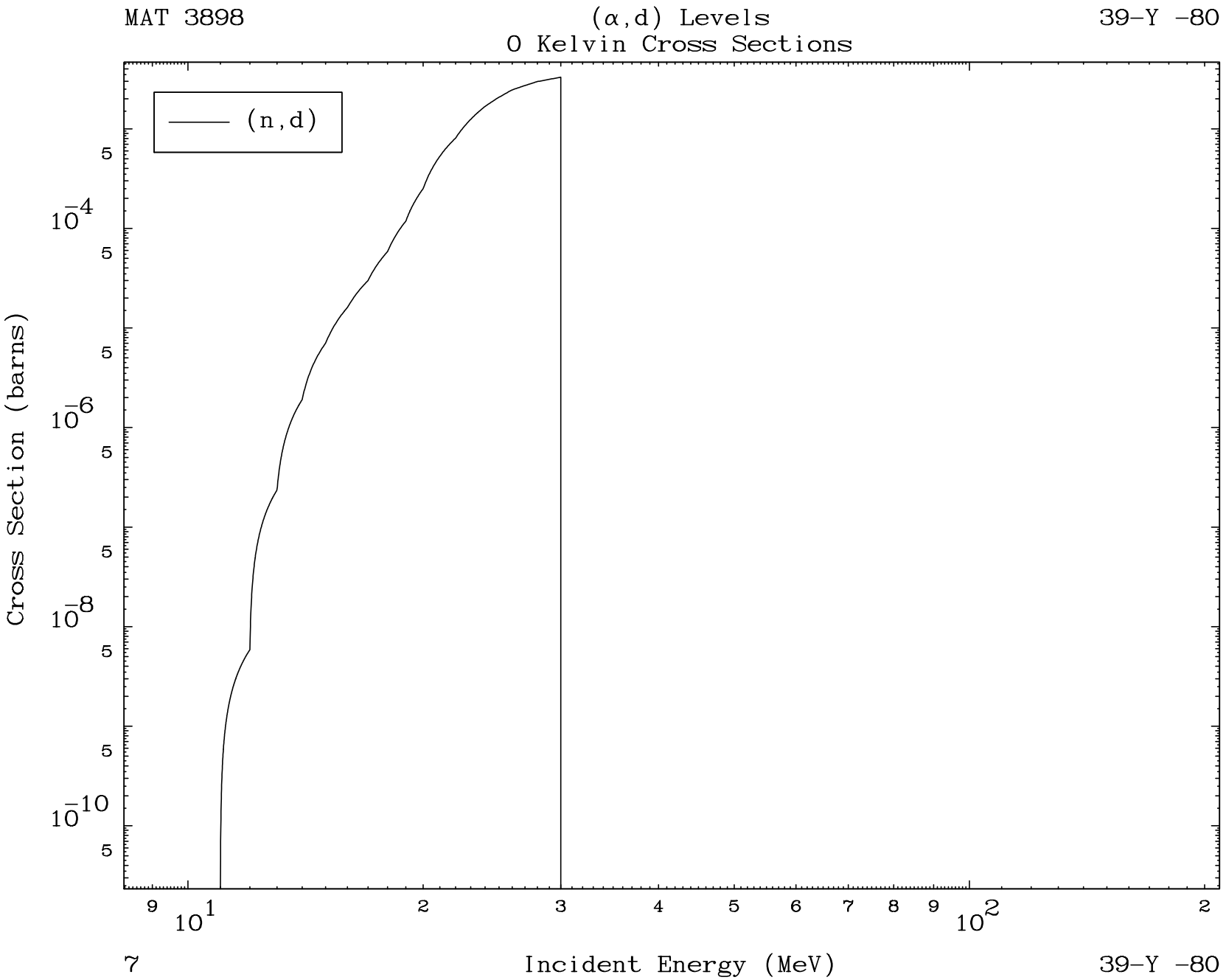

MAT 3898
α Neutron Absorption
0 Kelvin Cross Sections
39-Y -80
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
39-Y -80


MAT 3898
α Neutron Absorption
0 Kelvin Cross Sections
39-Y -80
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
39-Y -80

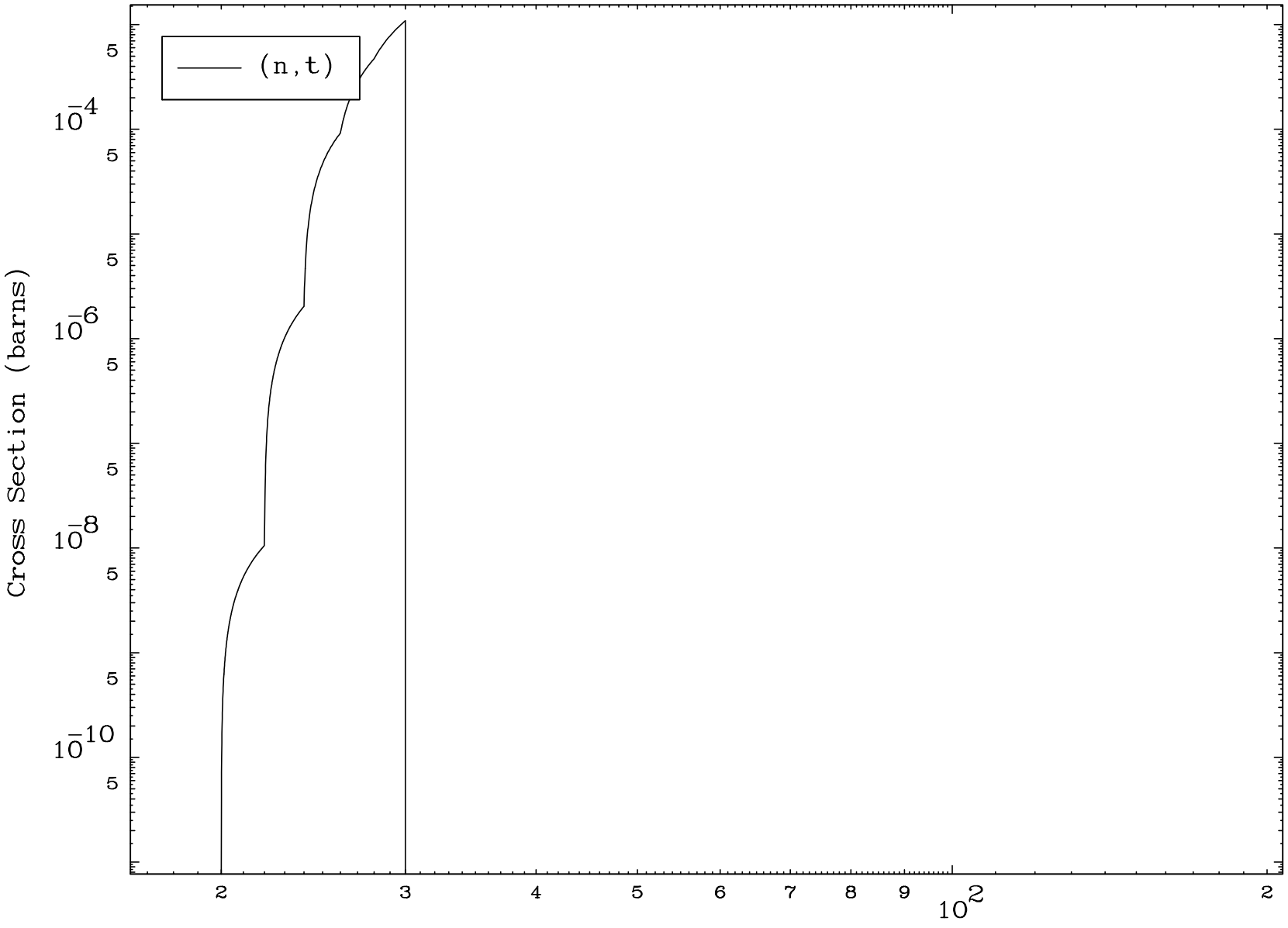

MAT 3898
α Charged Particle
0 Kelvin Cross Sections
39-Y -80
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
39-Y -80

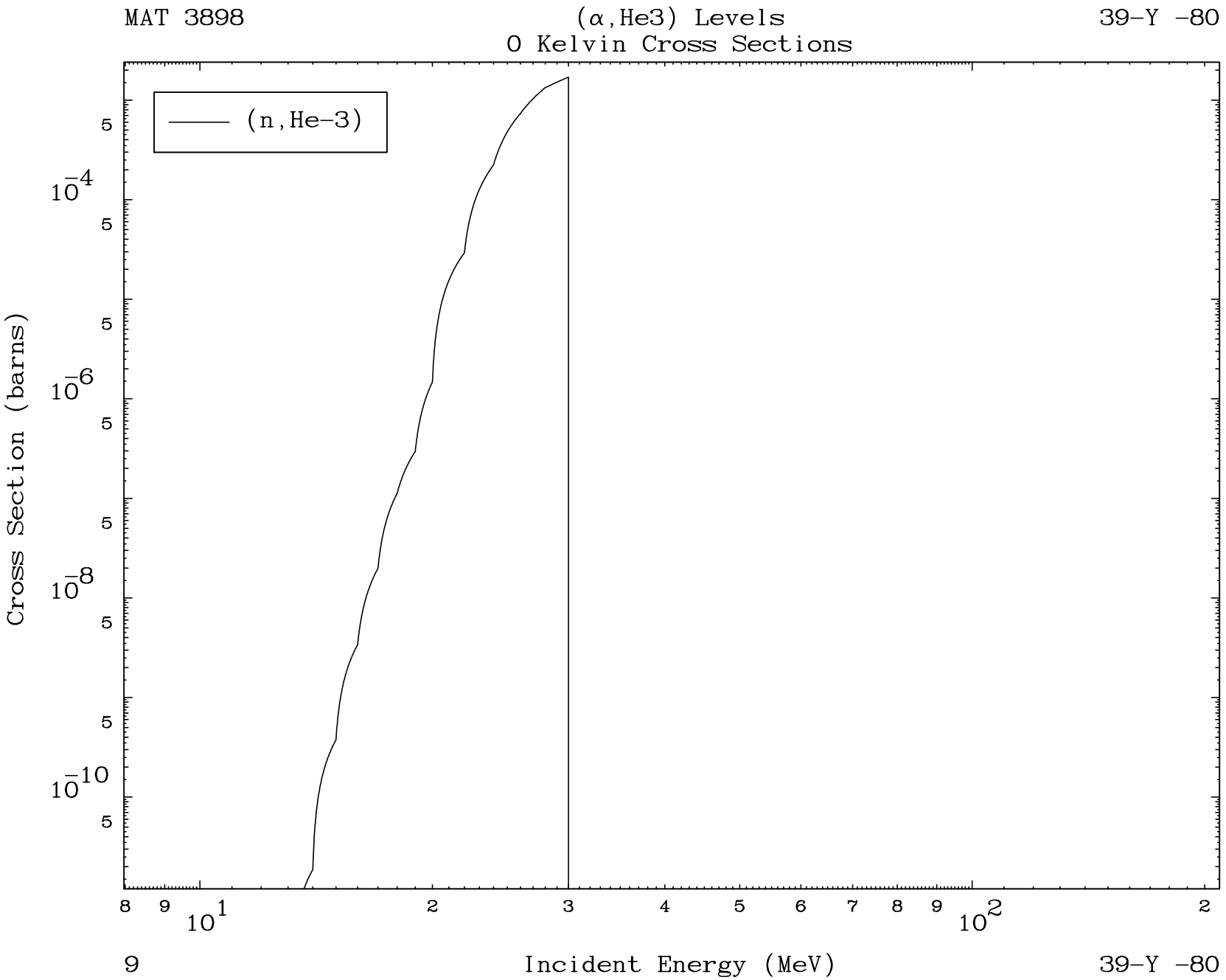

MAT 3898
α Charged Particle
0 Kelvin Cross Sections
39-Y -80
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
39-Y -80
5

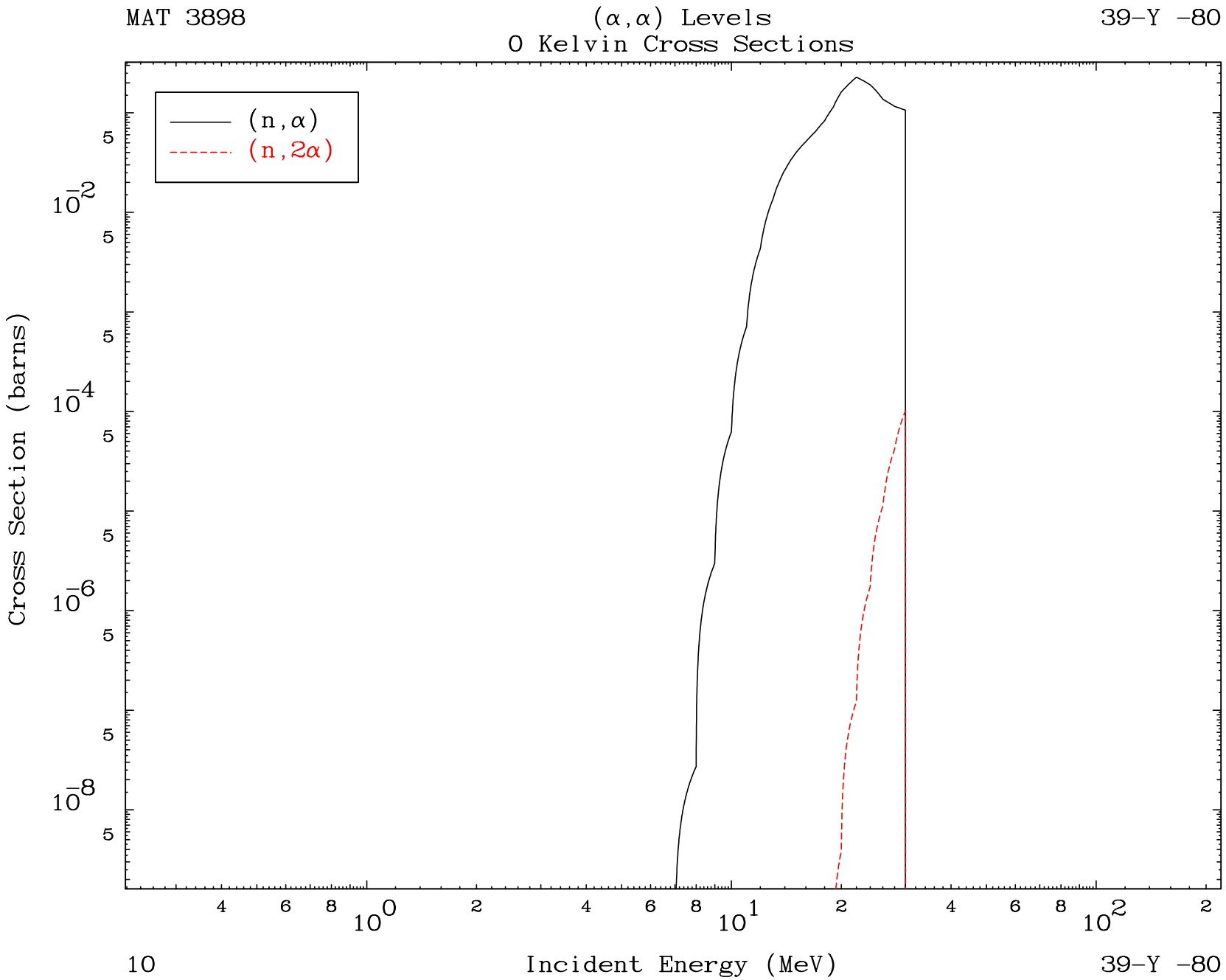

MAT 3898
(α,p) Levels
39-Y -80
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
6
39-Y -80

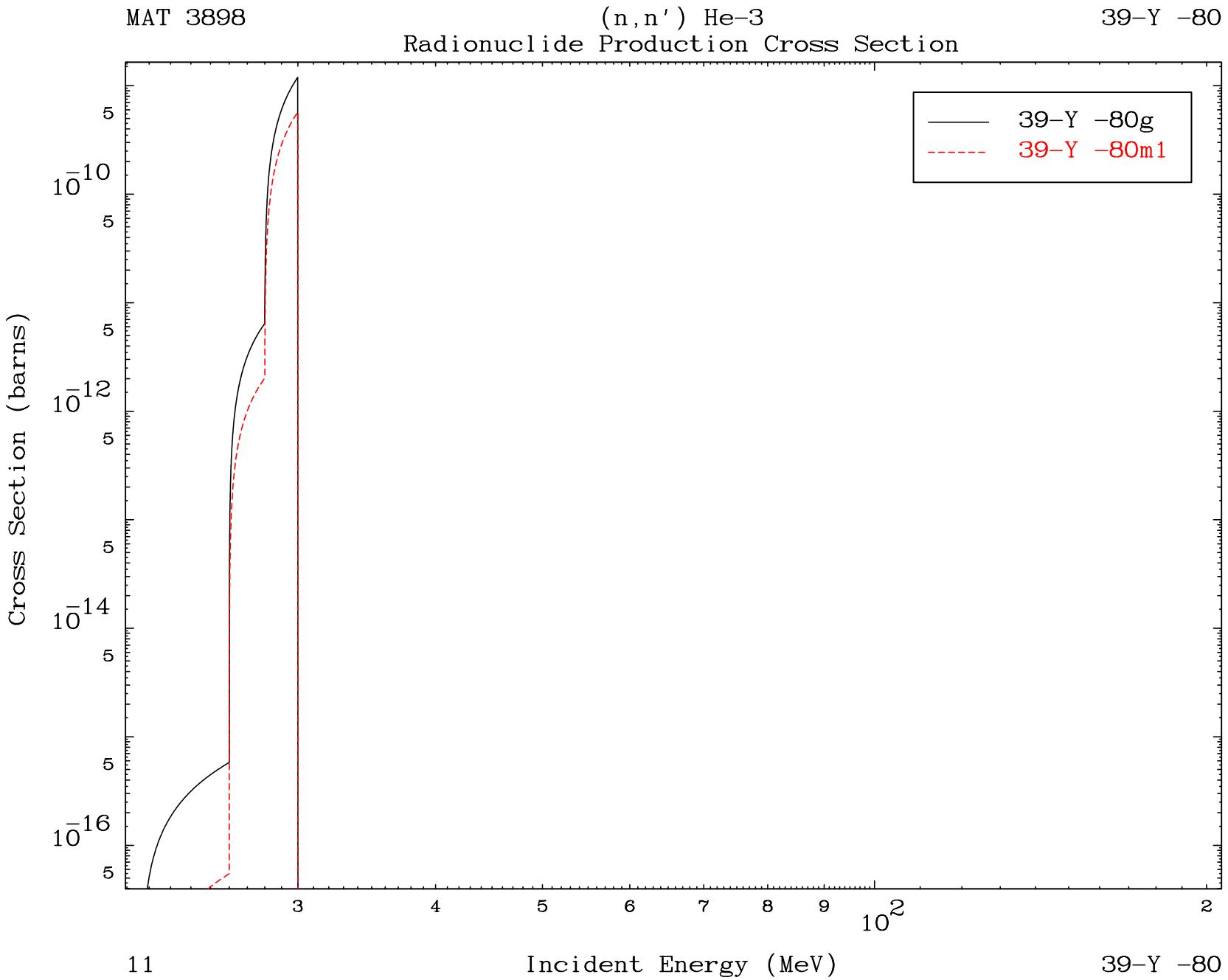

MAT 3898
(α,d) Levels
39-Y -80
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
7
39-Y -80

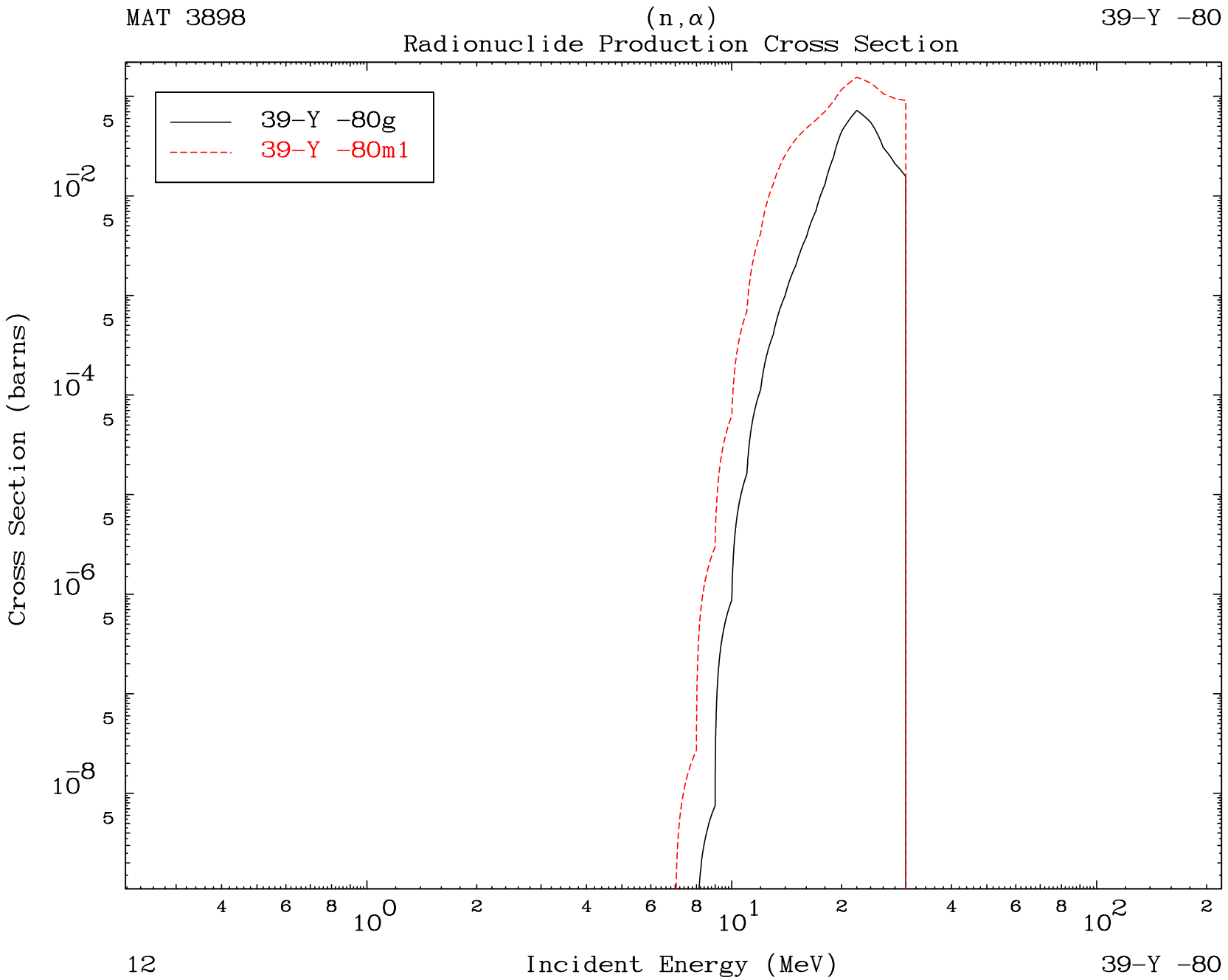
0 Kelvin Cross Sections

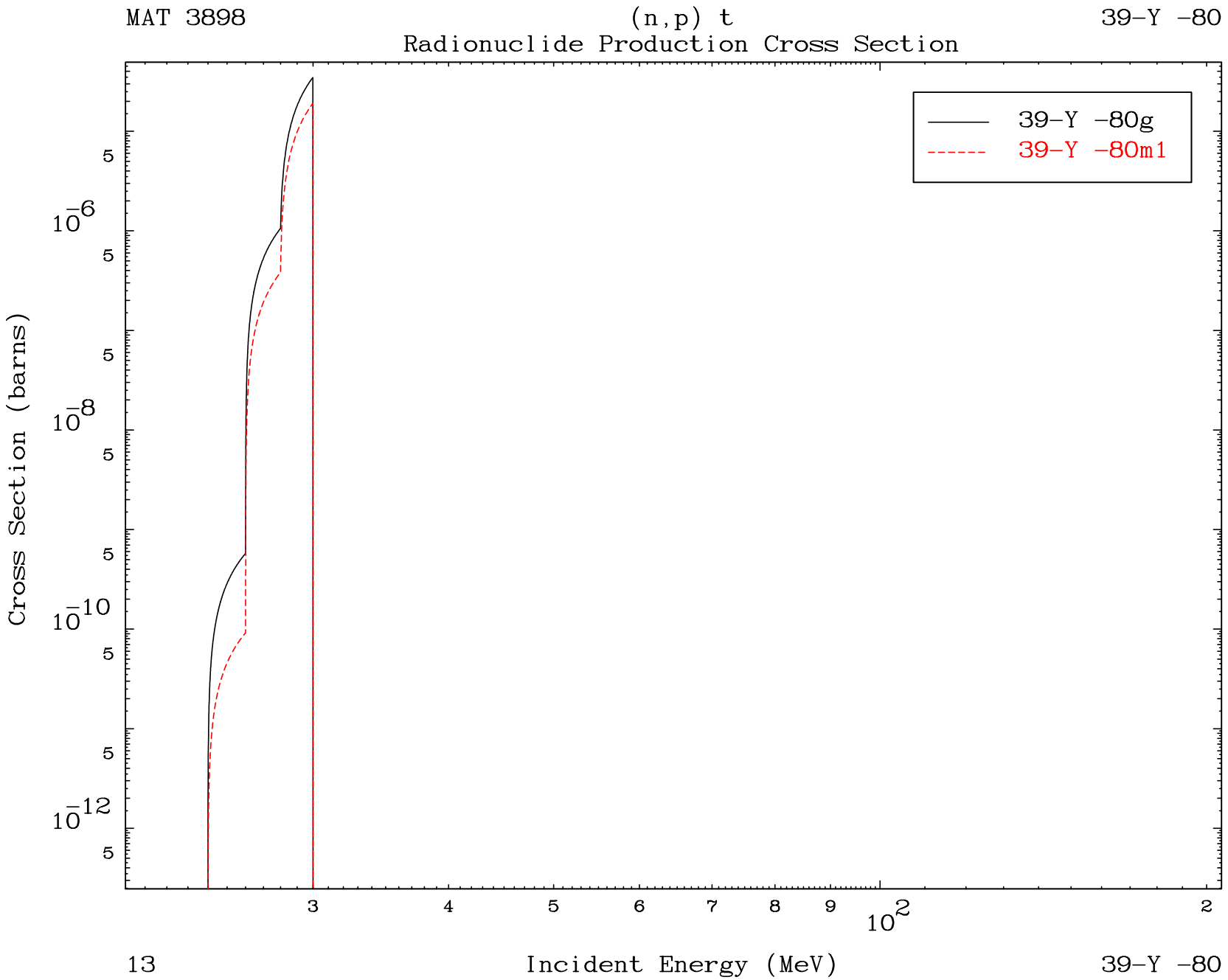



MAT 3898
(α,He3) Levels
39-Y -80
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
39-Y -80


MAT 3898
(α,α) Levels
39-Y -80
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
39-Y -80


MAT 3898
(n,n') He-3
39-Y -80
Radionuclide Production Cross Section
39-Y -80g
39-Y -80m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
39-Y -80


MAT 3898
(n,α)
39-Y -80
Radionuclide Production Cross Section
39-Y -80g
39-Y -80m1
Cross Section (barns)
Incident Energy (MeV)
12
39-Y -80


MAT 3898
(n,p) t
39-Y -80
Radionuclide Production Cross Section
39-Y -80g
39-Y -80m1
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)
39-Y -80