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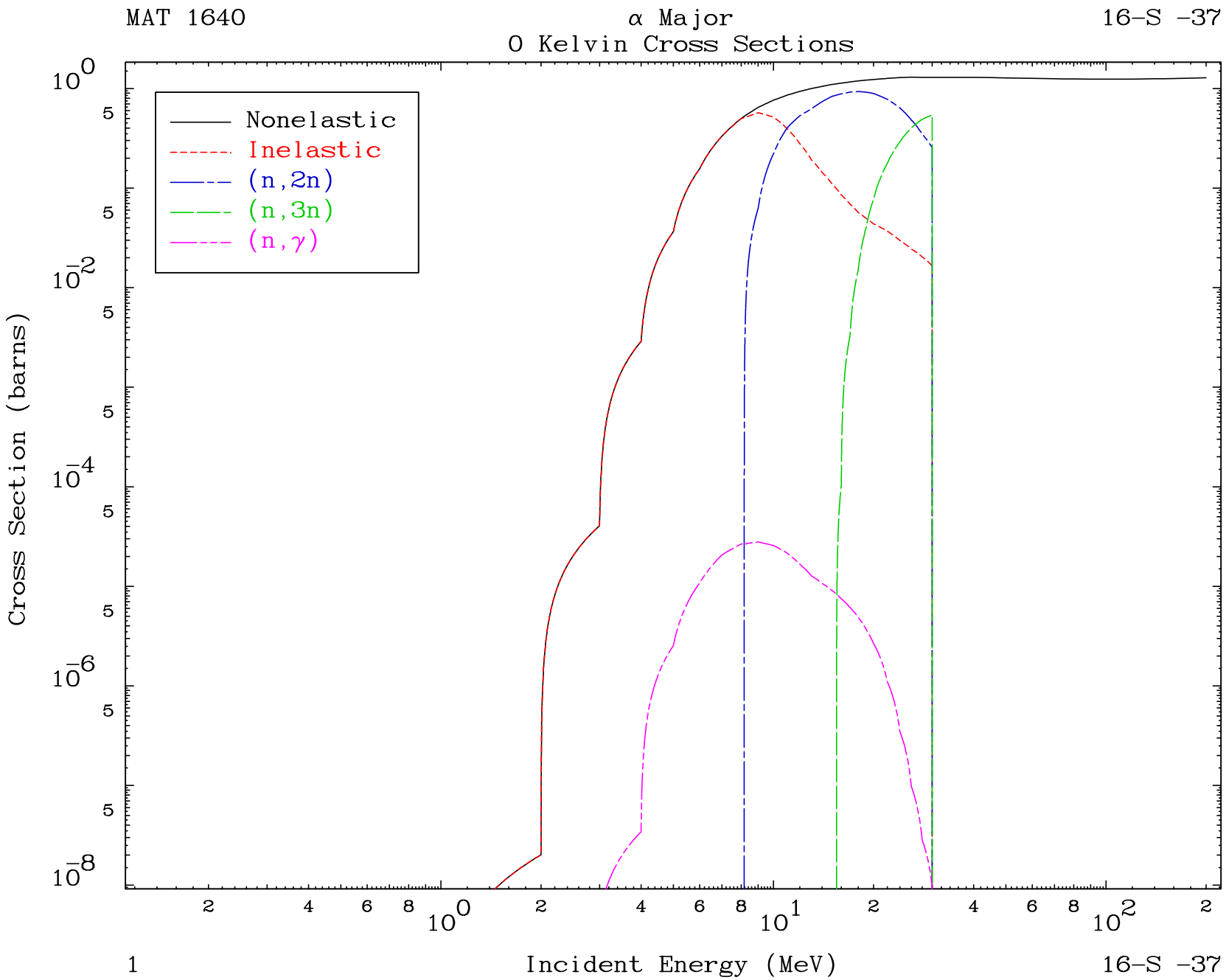
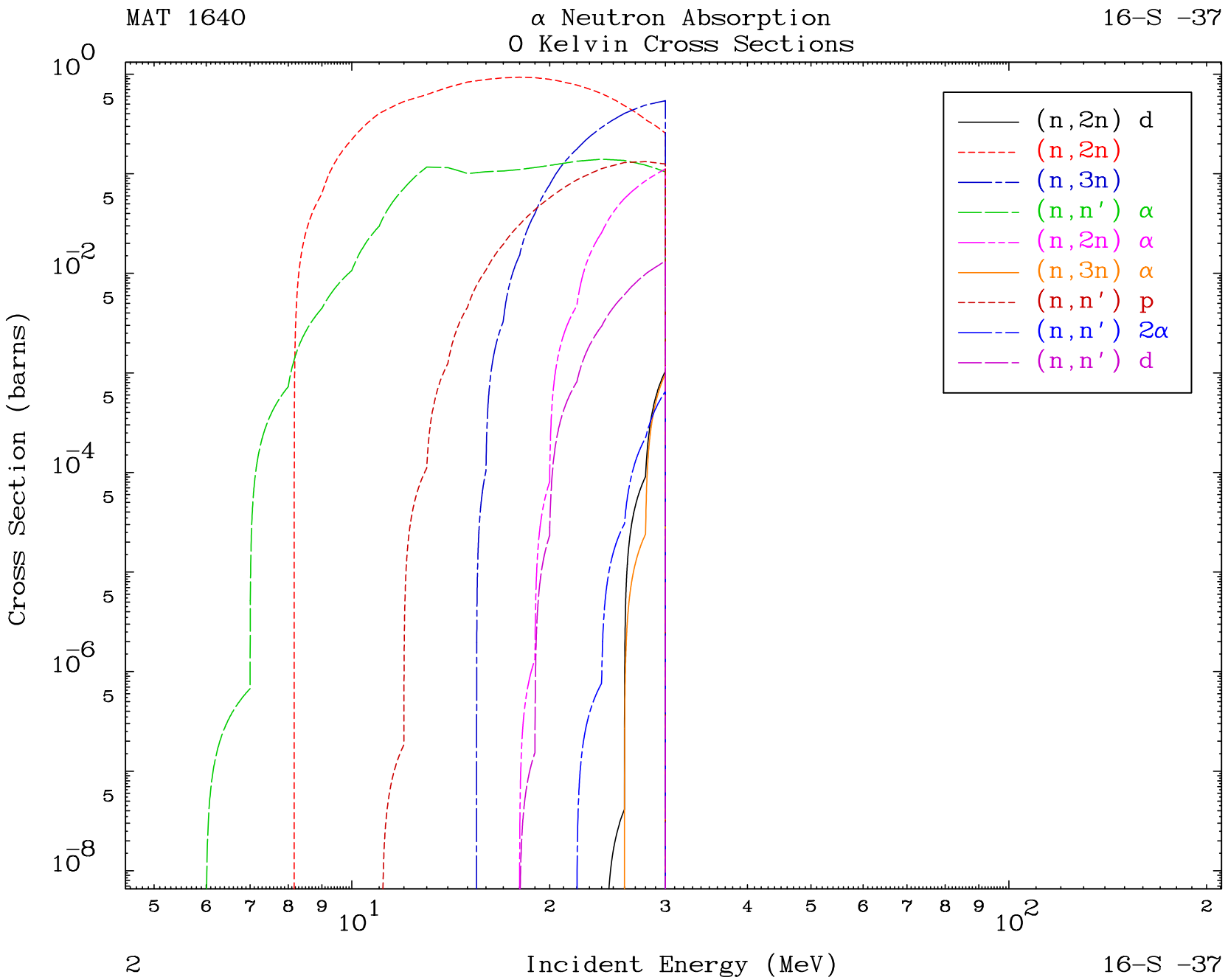
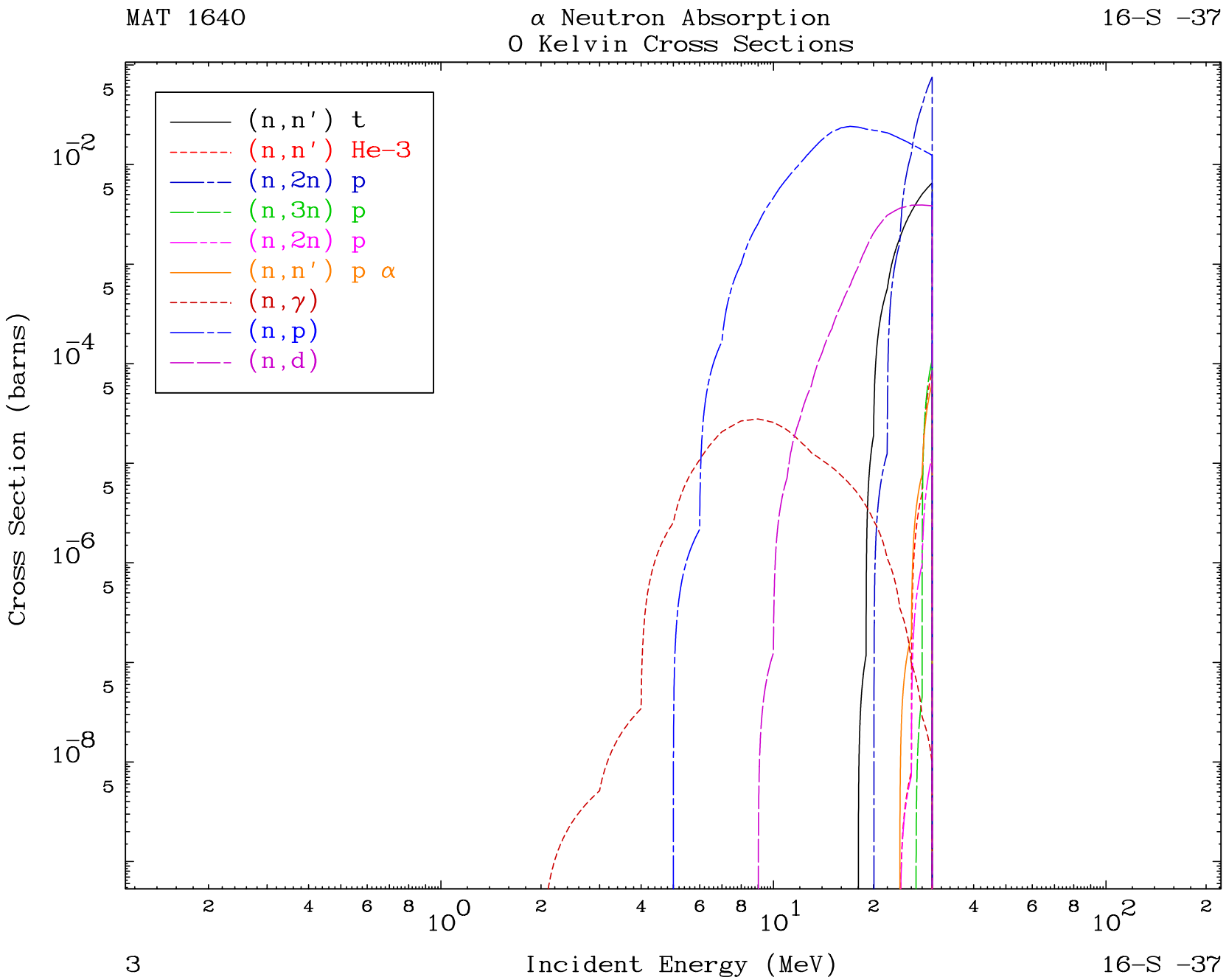
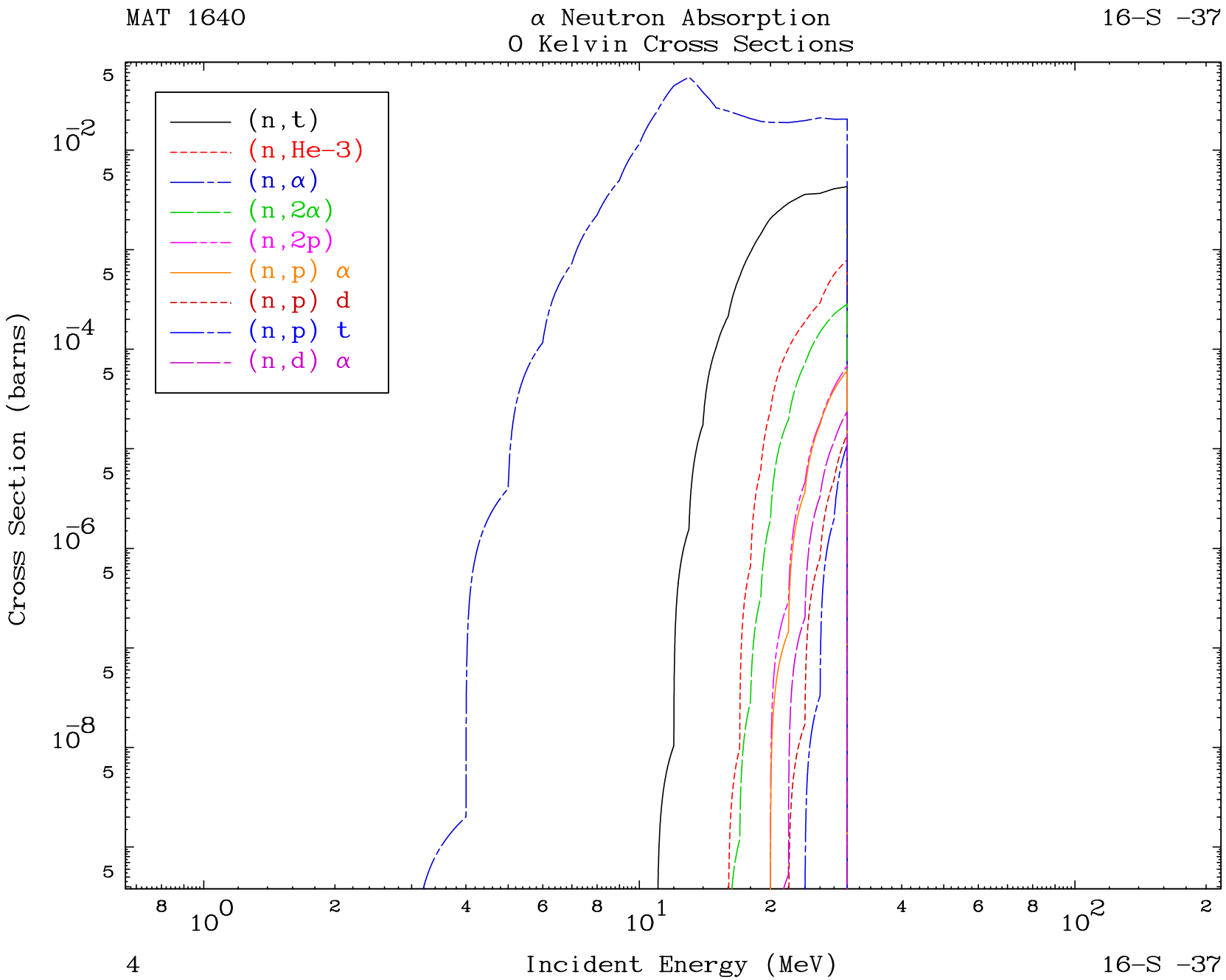
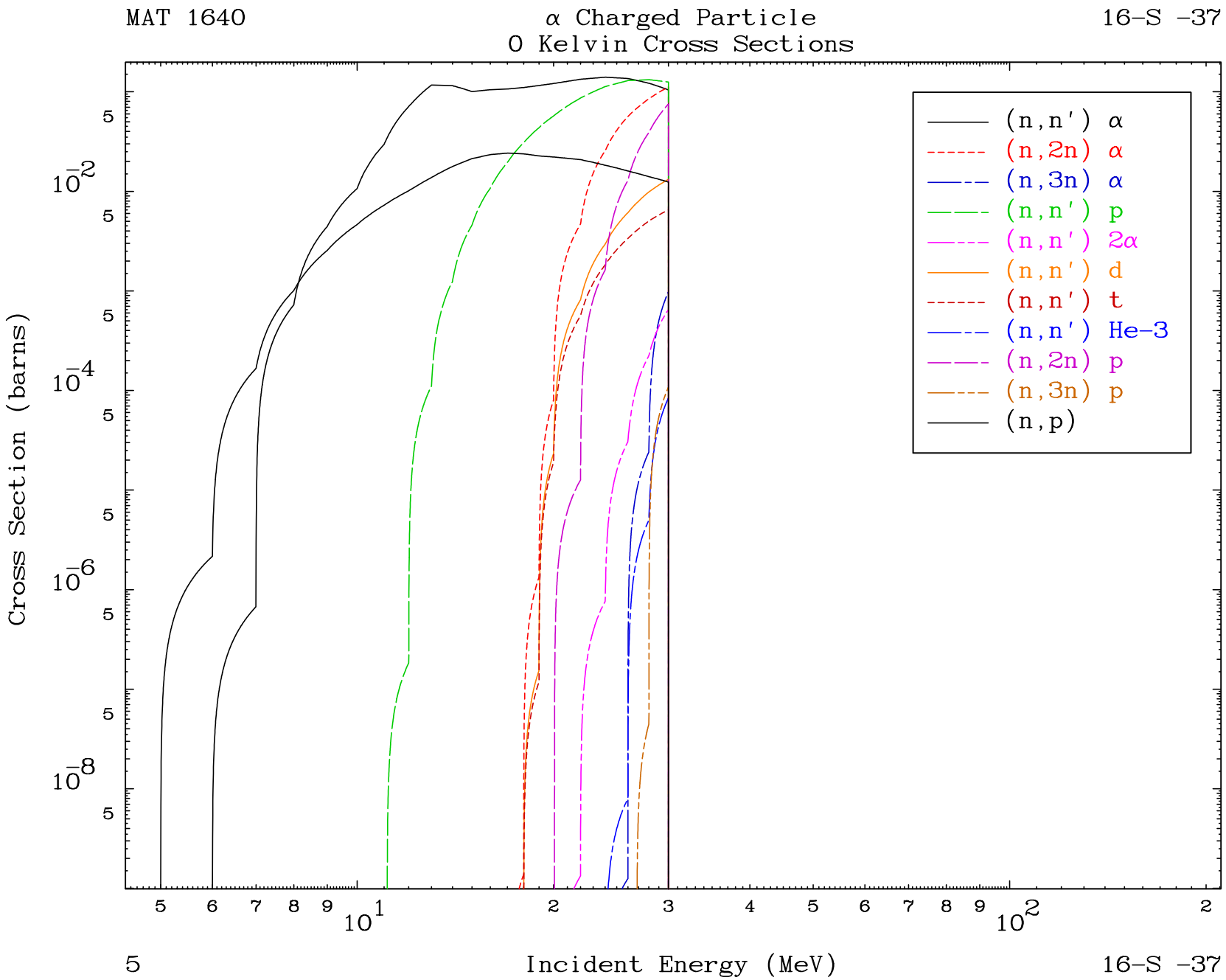
Press Mouse Button to Start

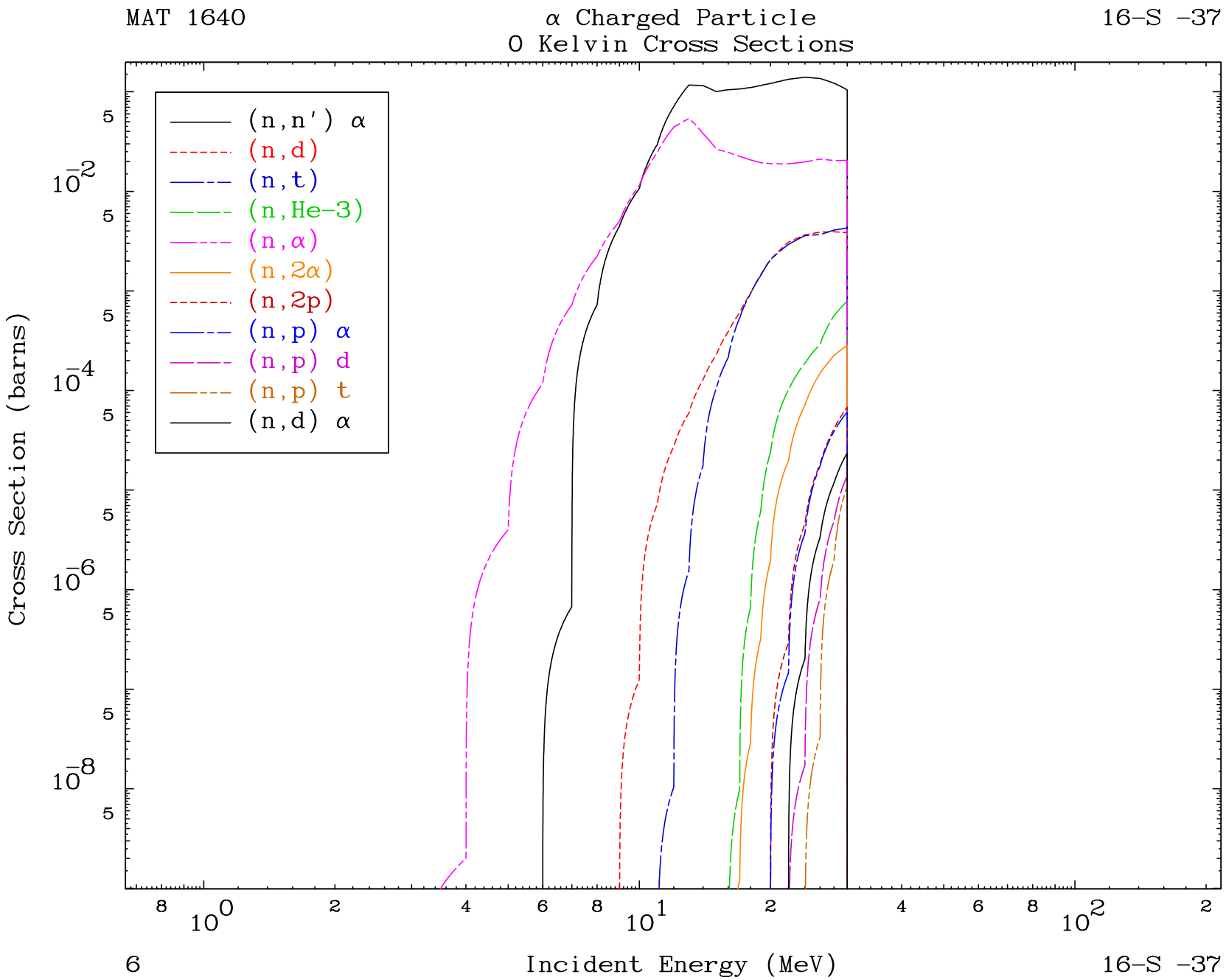

MAT 1640
α Major
16-S -37
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
16-S -37
1

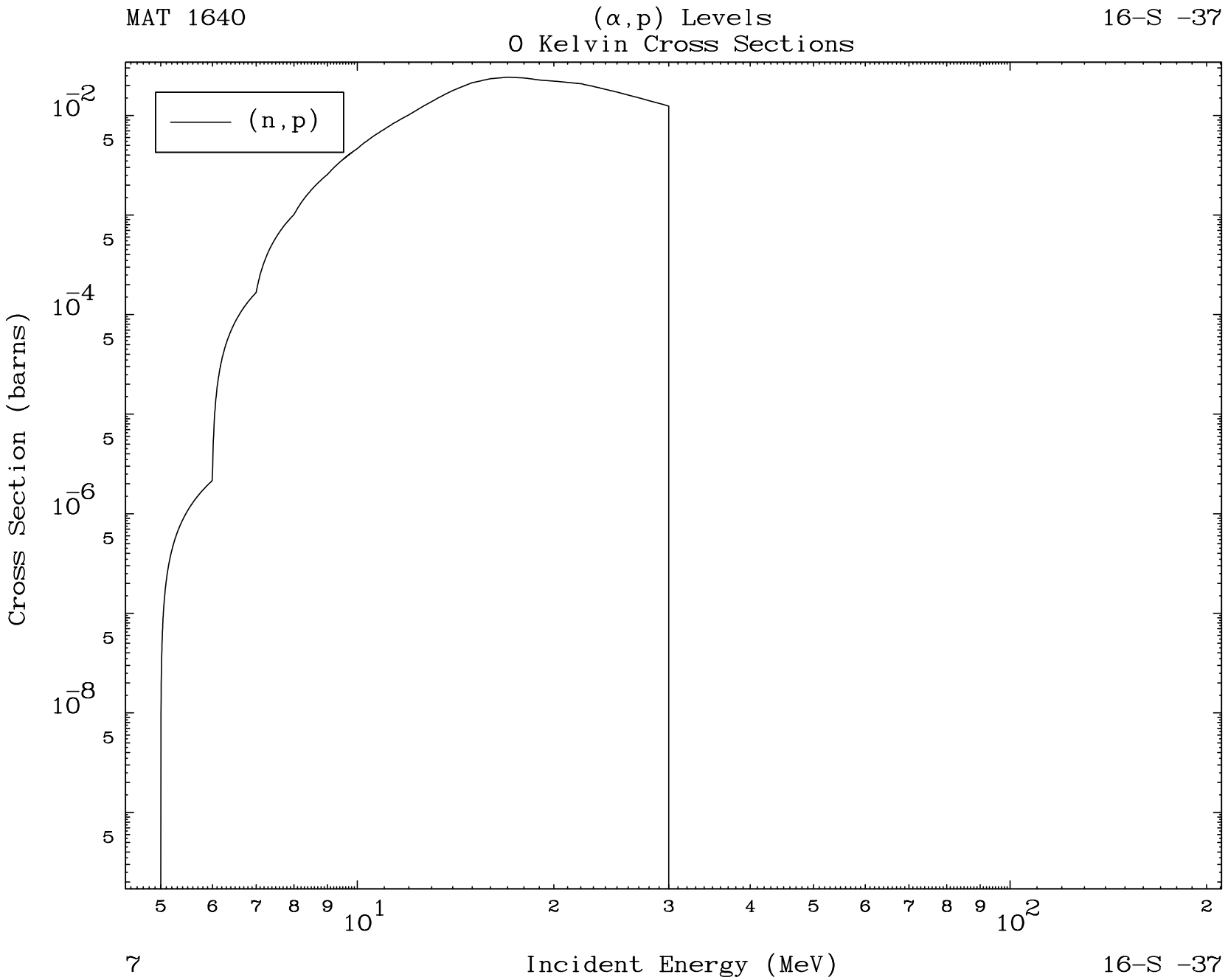

MAT 1640
α Neutron Absorption
0 Kelvin Cross Sections
16-S -37
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
16-S -37
2

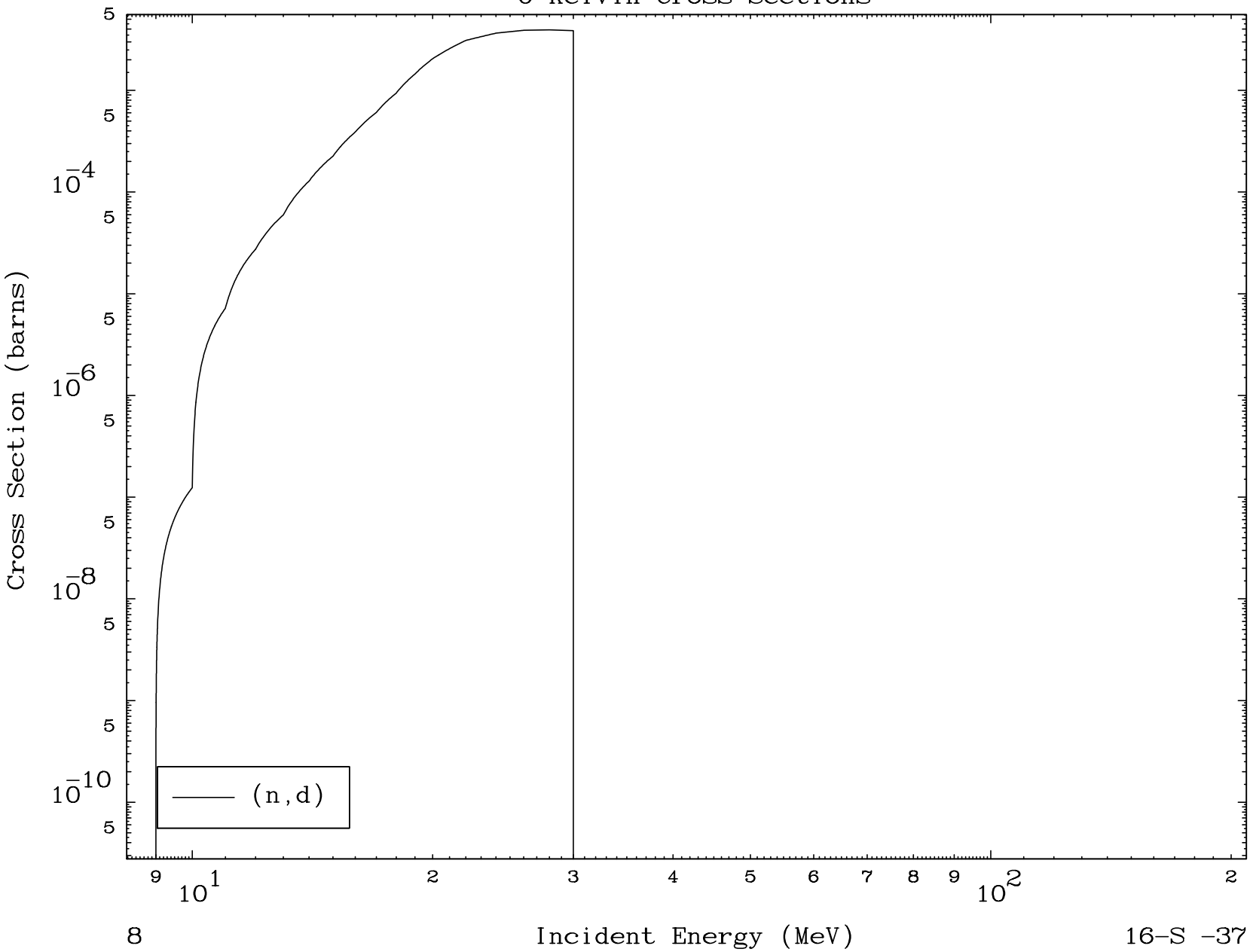

MAT 1640
α Neutron Absorption
0 Kelvin Cross Sections
16-S -37
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
16-S -37

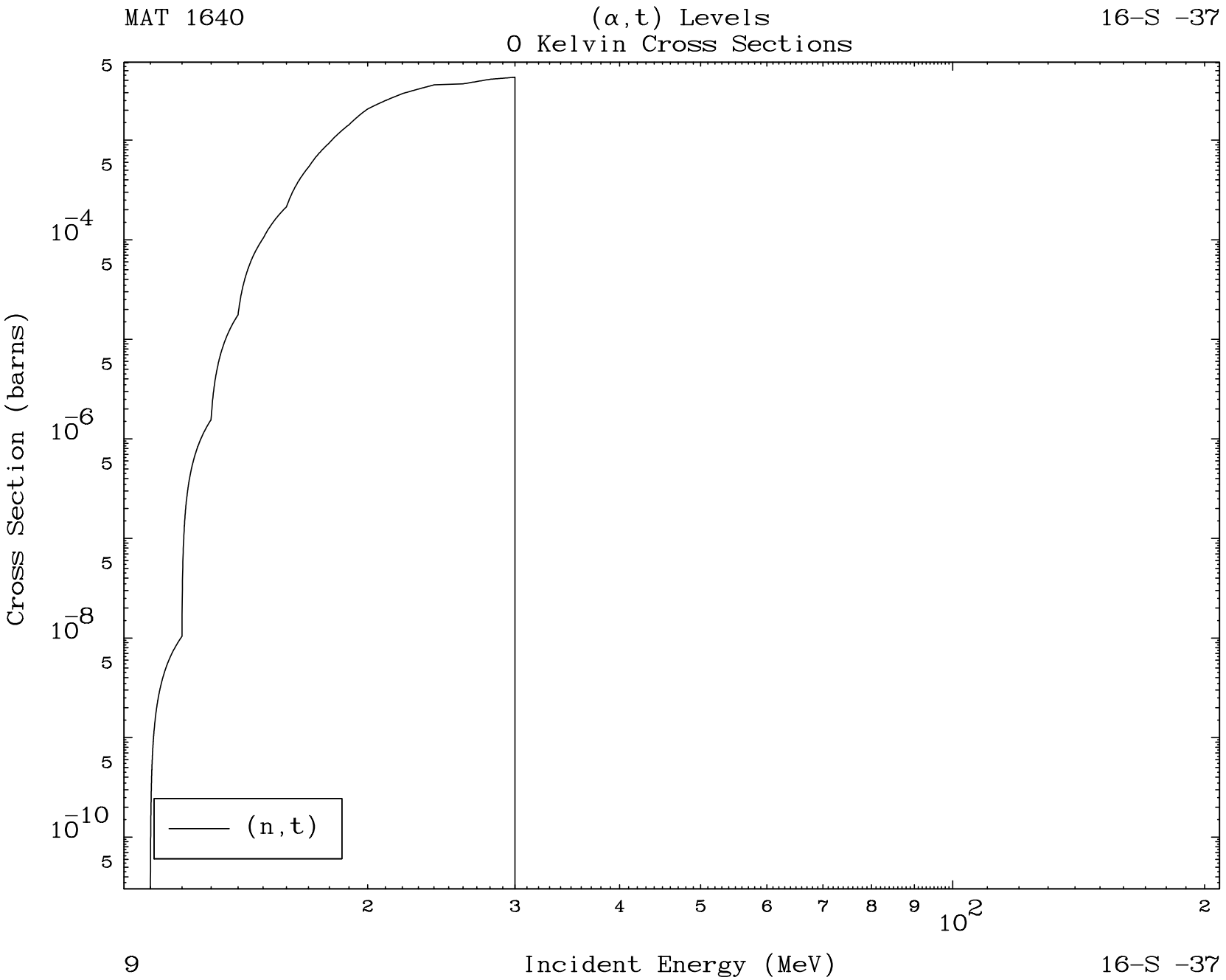

MAT 1640
α Neutron Absorption
0 Kelvin Cross Sections
16-S -37
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
16-S -37

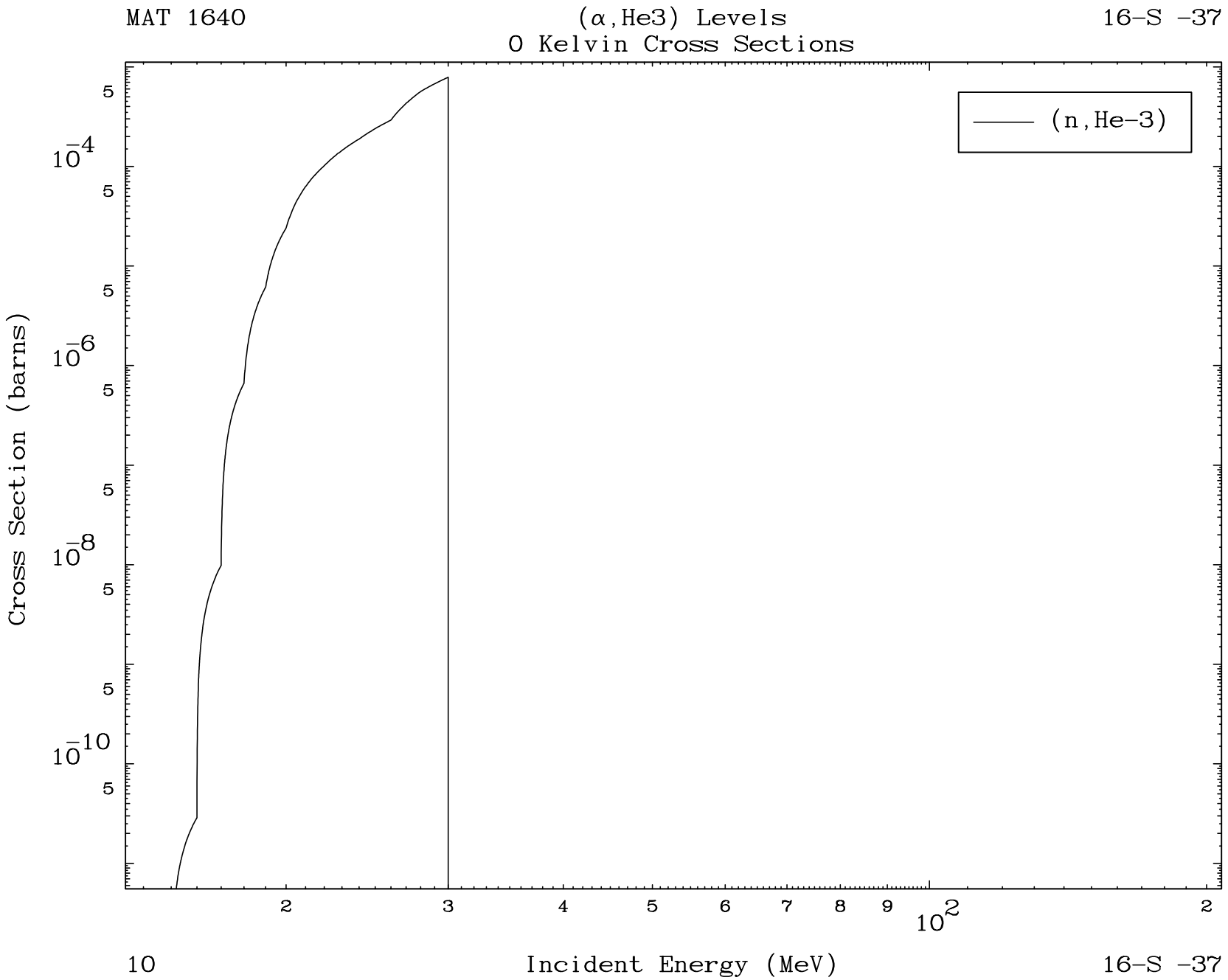

MAT 1640
α Charged Particle
0 Kelvin Cross Sections
16-S -37
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
5
16-S -37

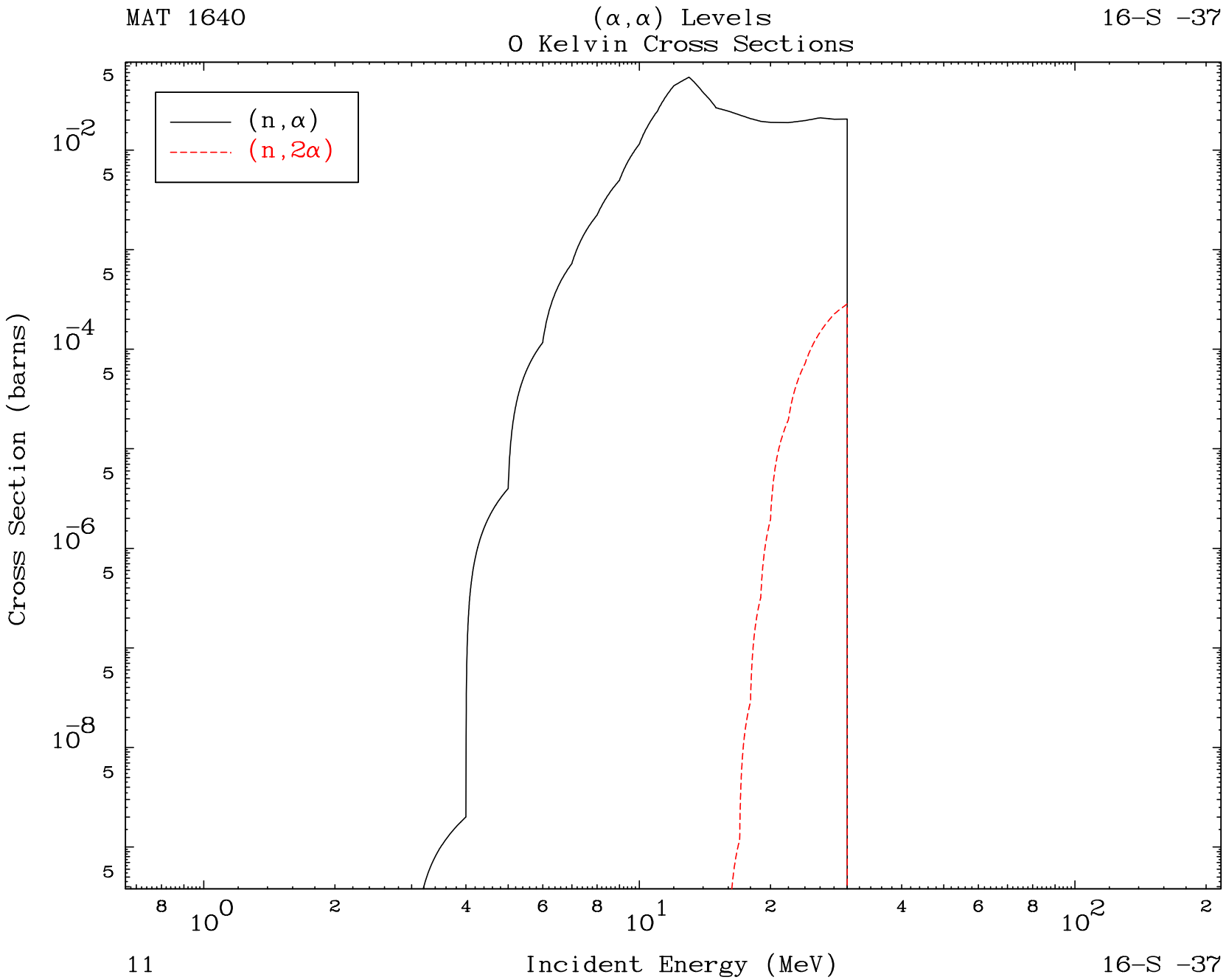

MAT 1640
α Charged Particle
0 Kelvin Cross Sections
16-S -37
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
16-S -37

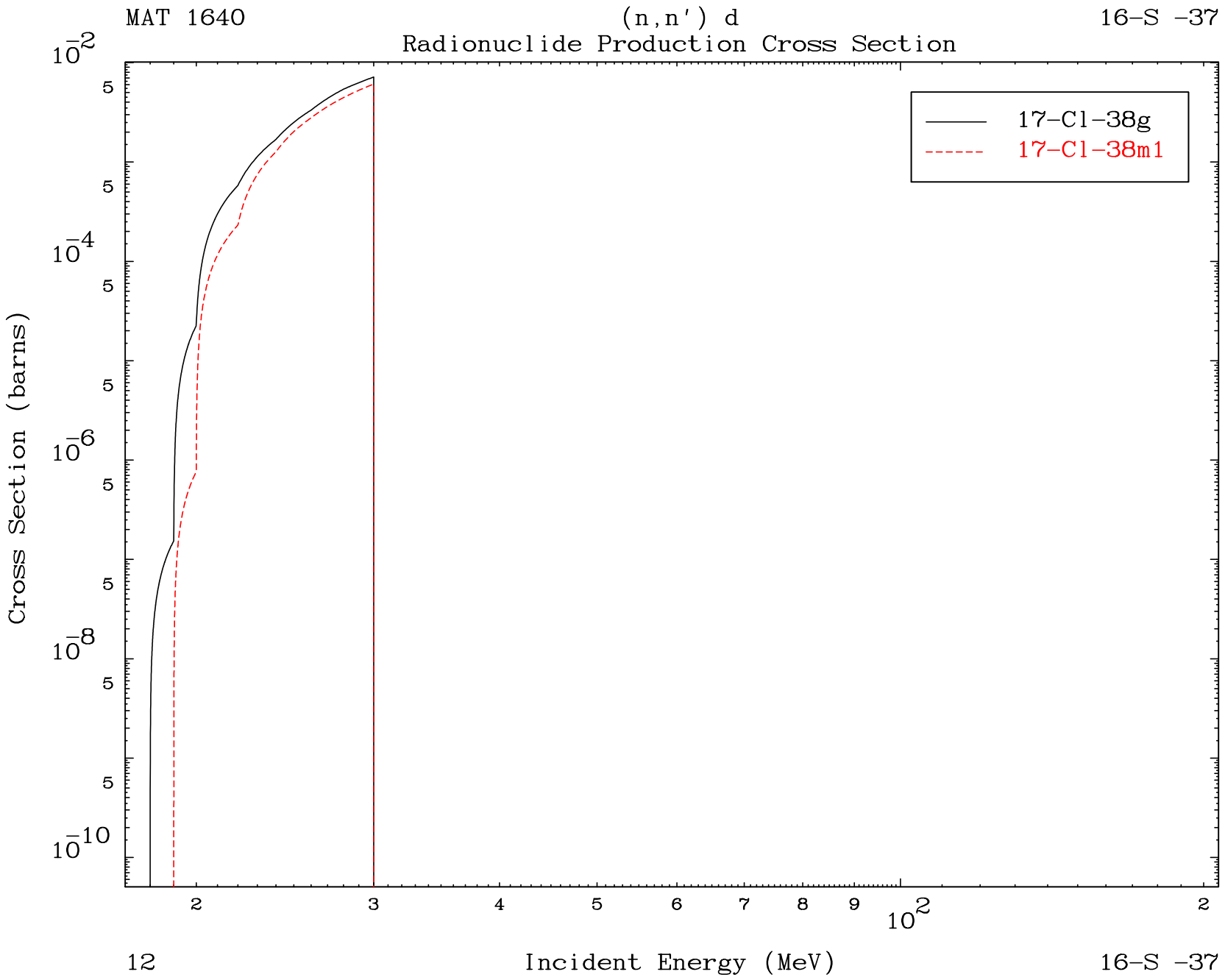

MAT 1640
(α,p) Levels
0 Kelvin Cross Sections
16-S -37
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
16-S -37

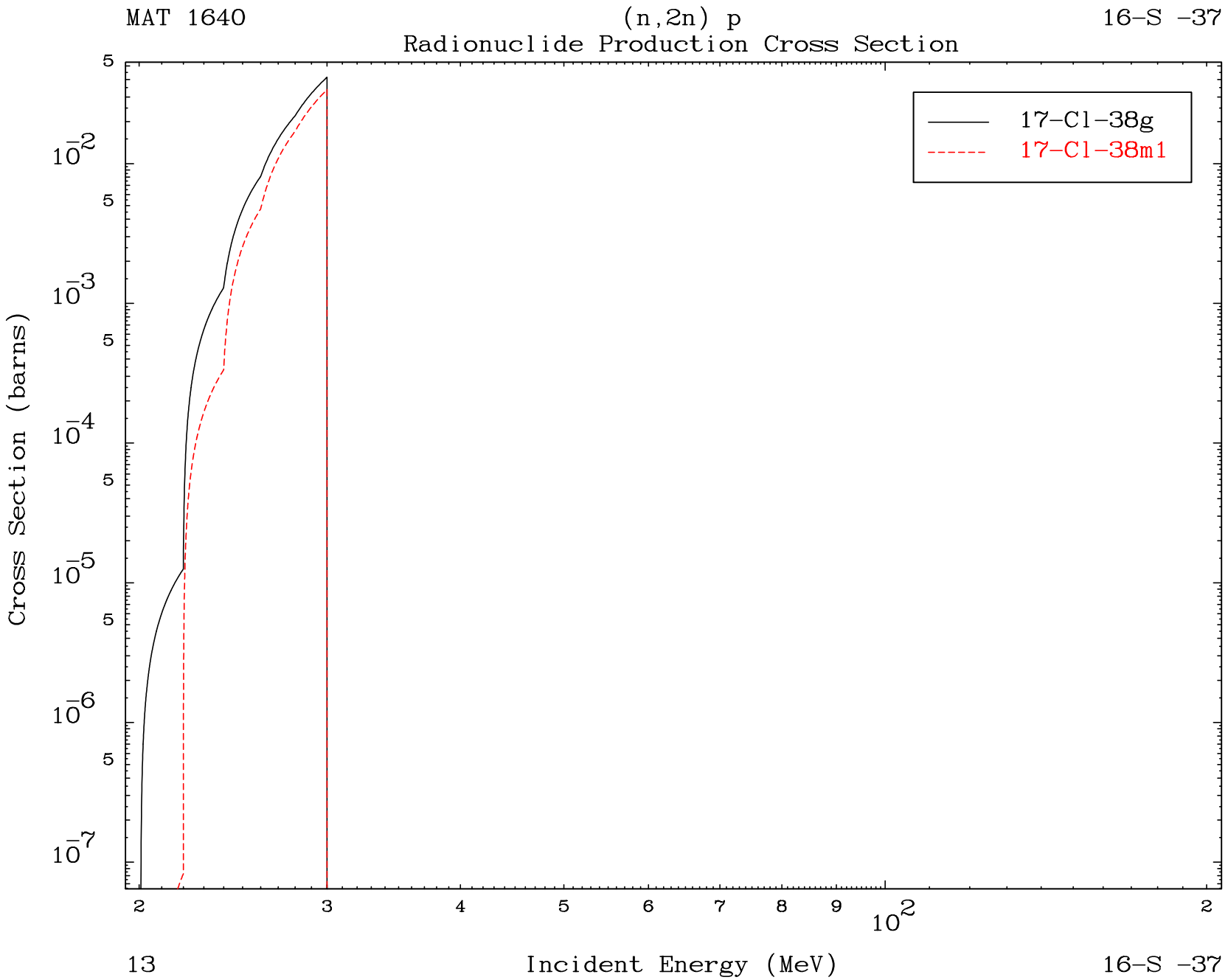

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(n,d)
10^1
10^2
Incident Energy (MeV)

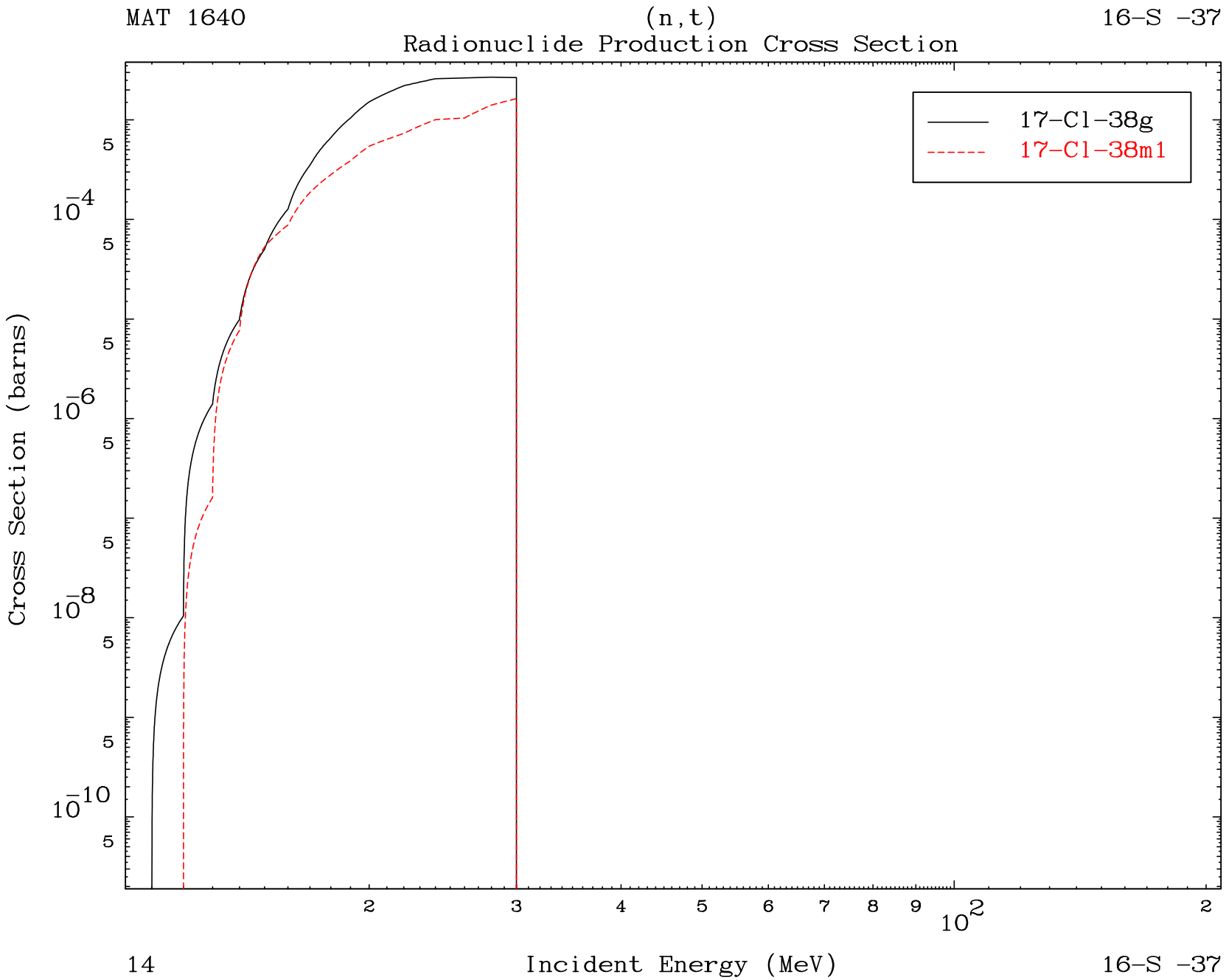

MAT 1640
(α,t) Levels
16-S -37
0 Kelvin Cross Sections
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,t)
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
16-S -37


MAT 1640
(α,He3) Levels
16-S -37
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
16-S -37


MAT 1640
(α,α) Levels
16-S -37
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
16-S -37


MAT 1640
(n,n') d
16-S -37
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
Incident Energy (MeV)
12
16-S -37


MAT 1640
(n,2n) p
16-S -37
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
Incident Energy (MeV)
13
16-S -37


MAT 1640
(n,t)
16-S -37
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
16-S -37