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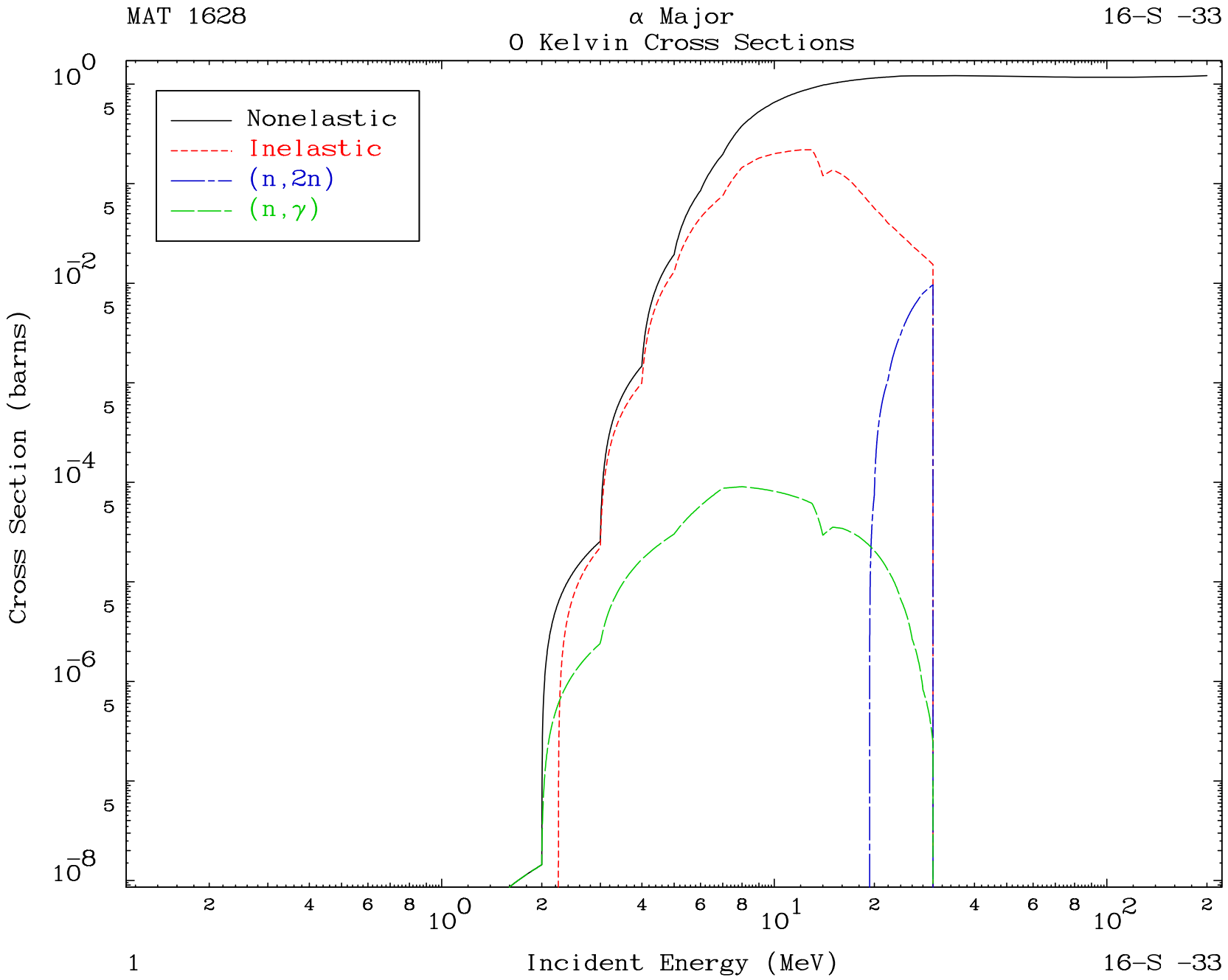
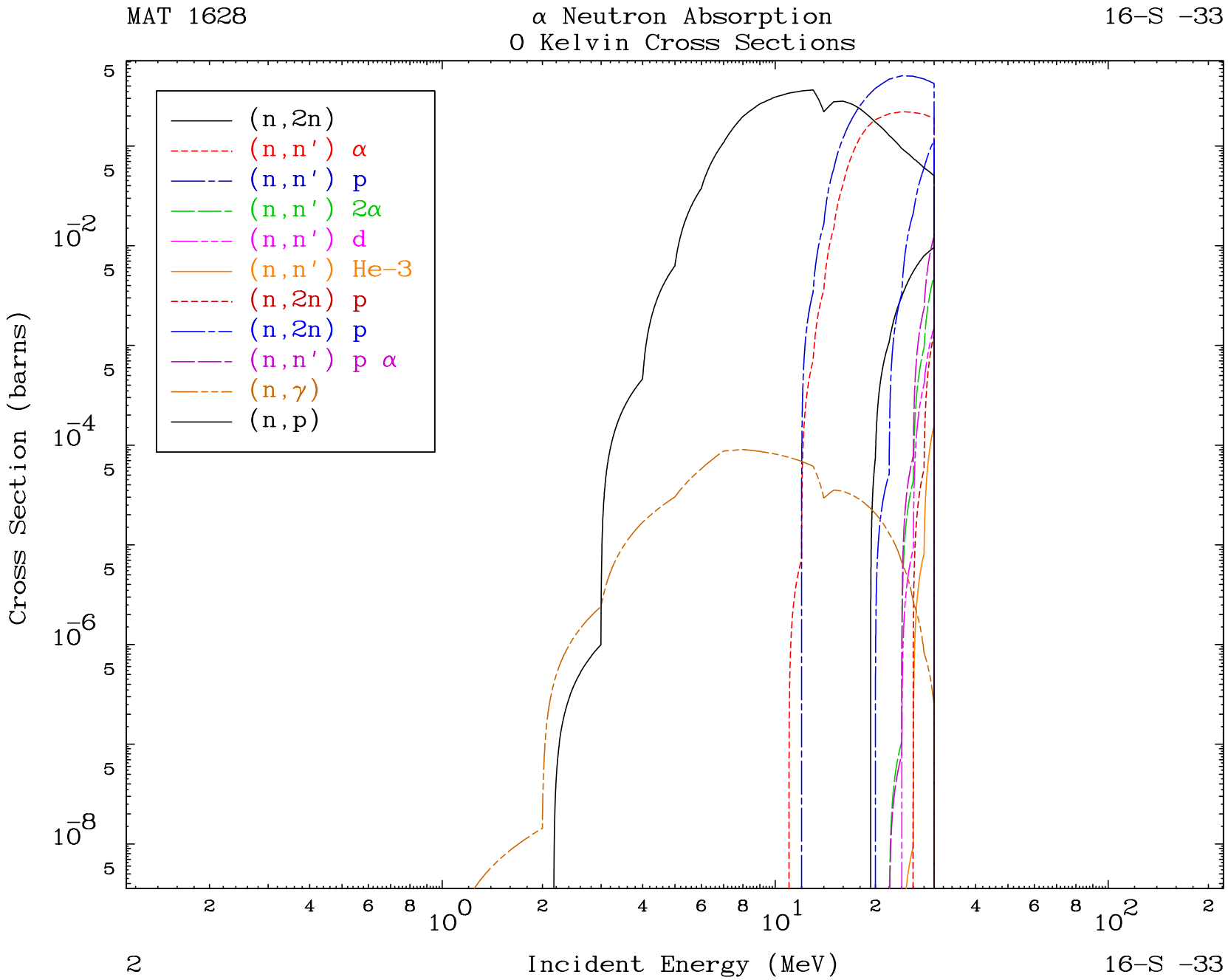
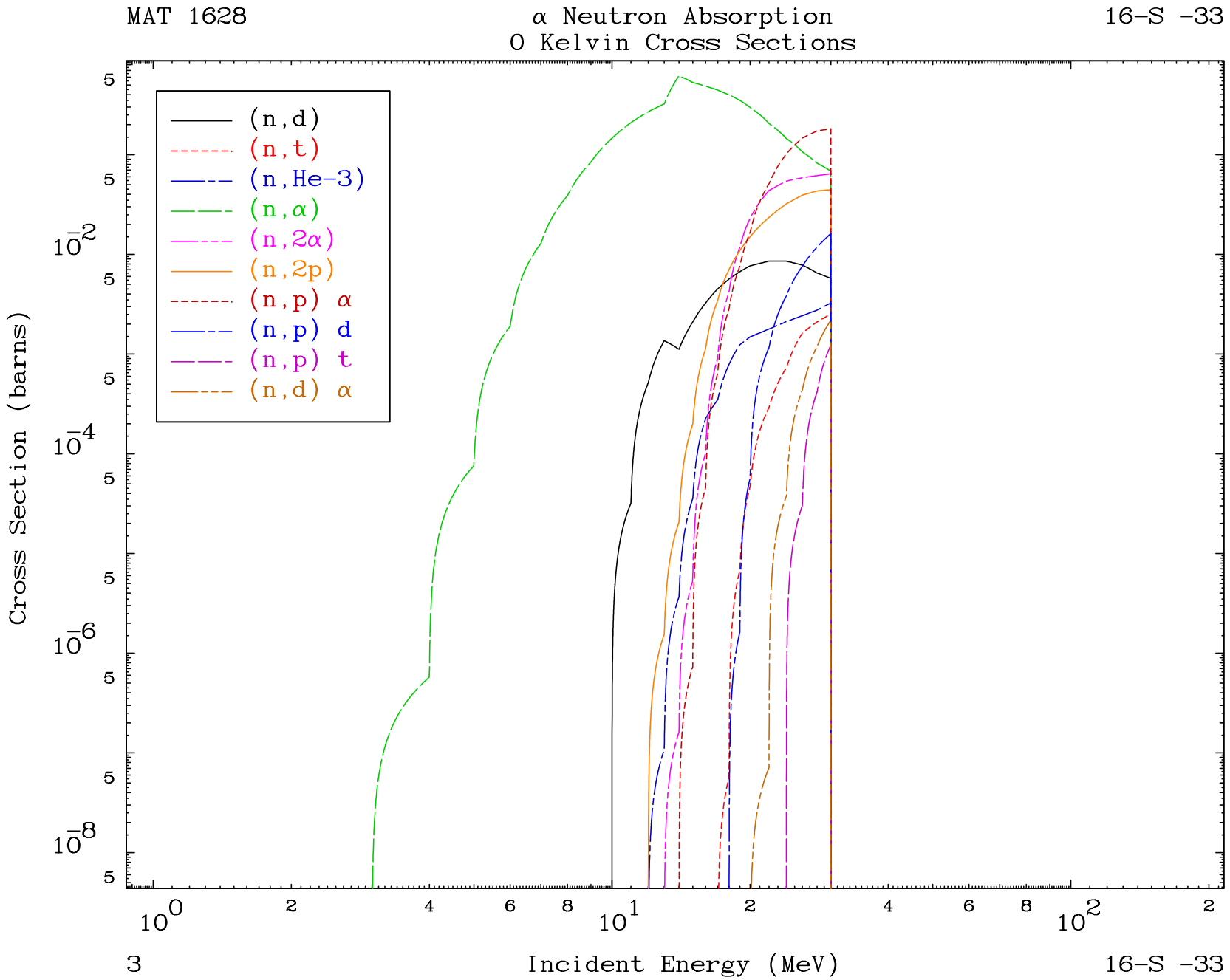
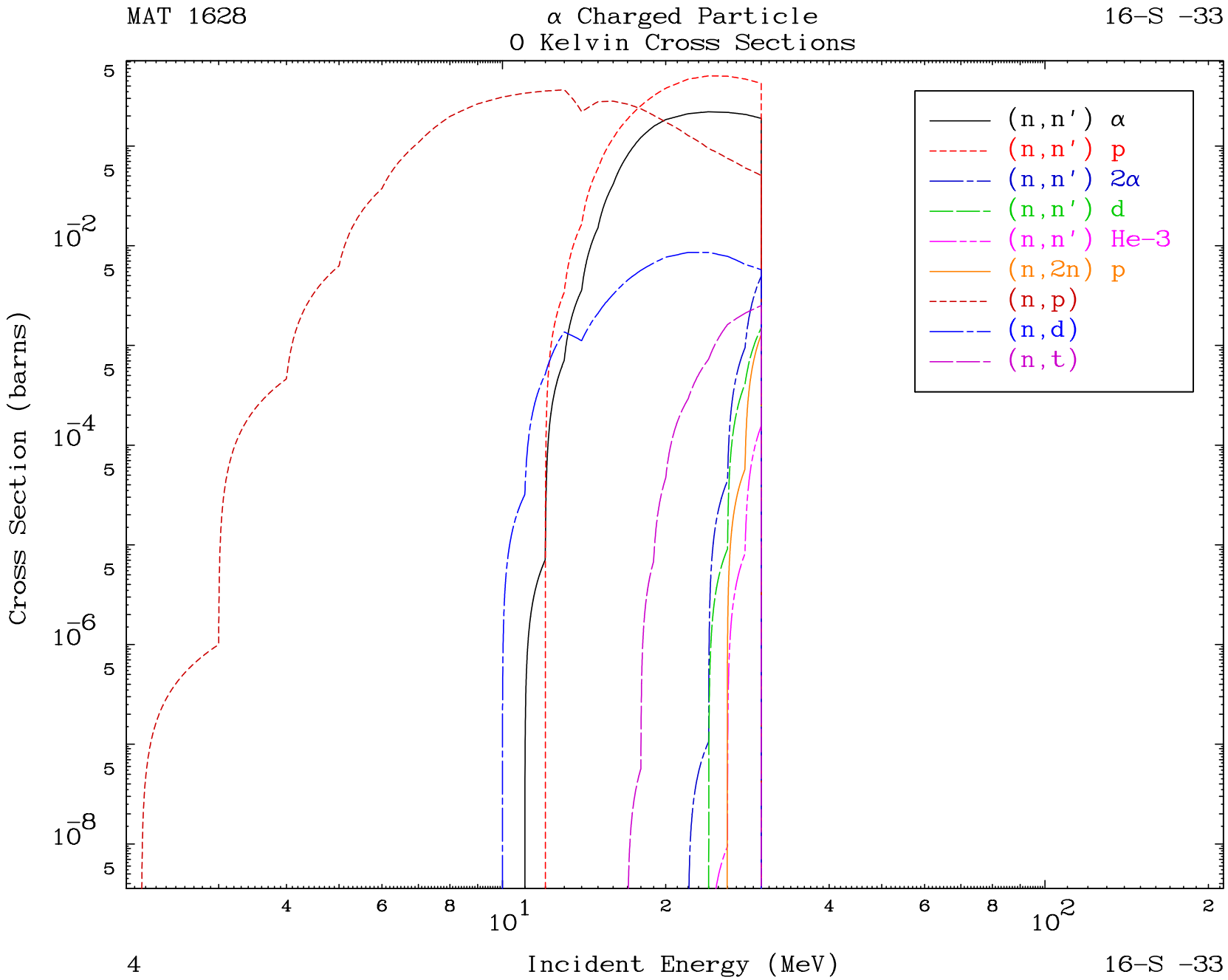
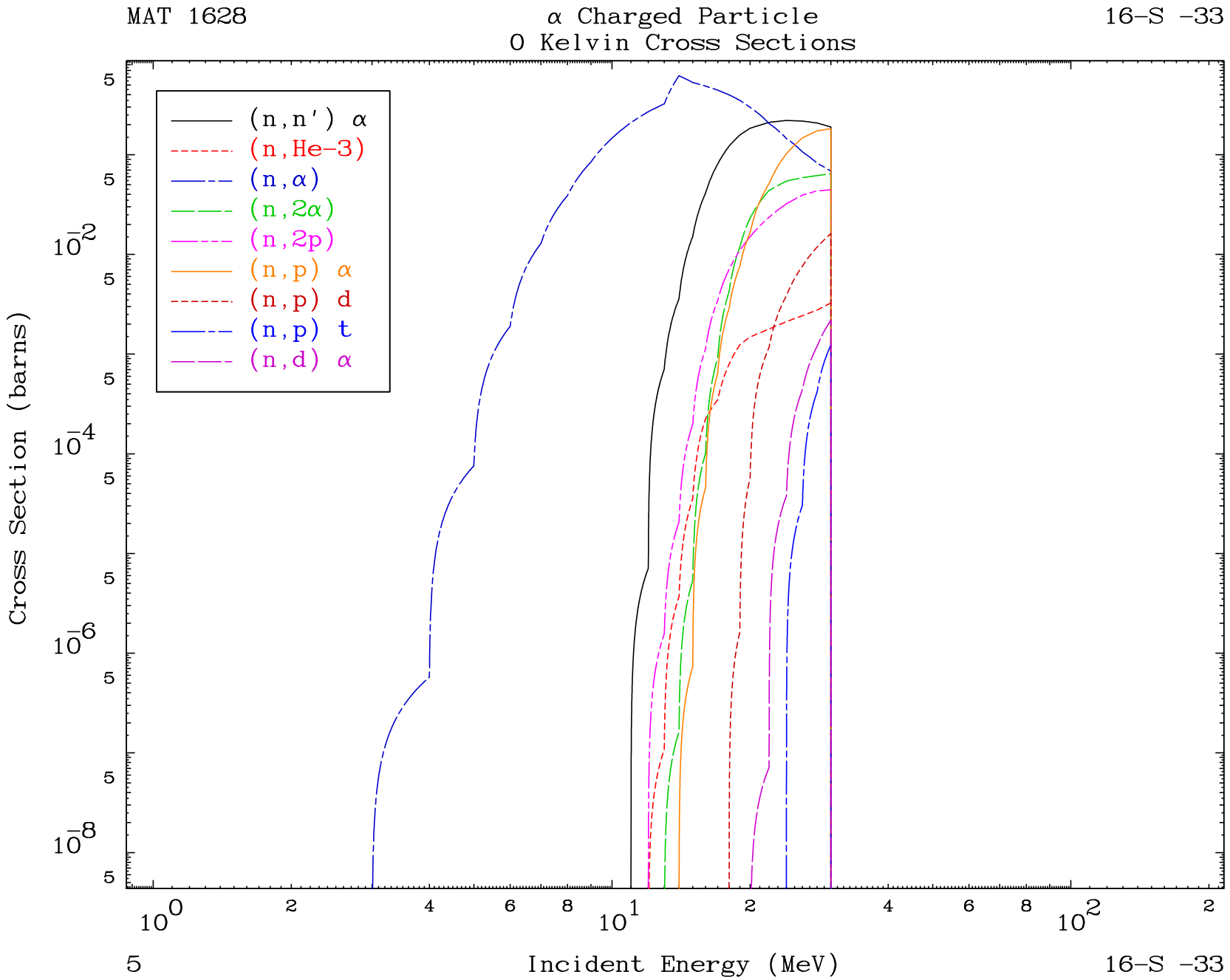
Press Mouse Button to Start

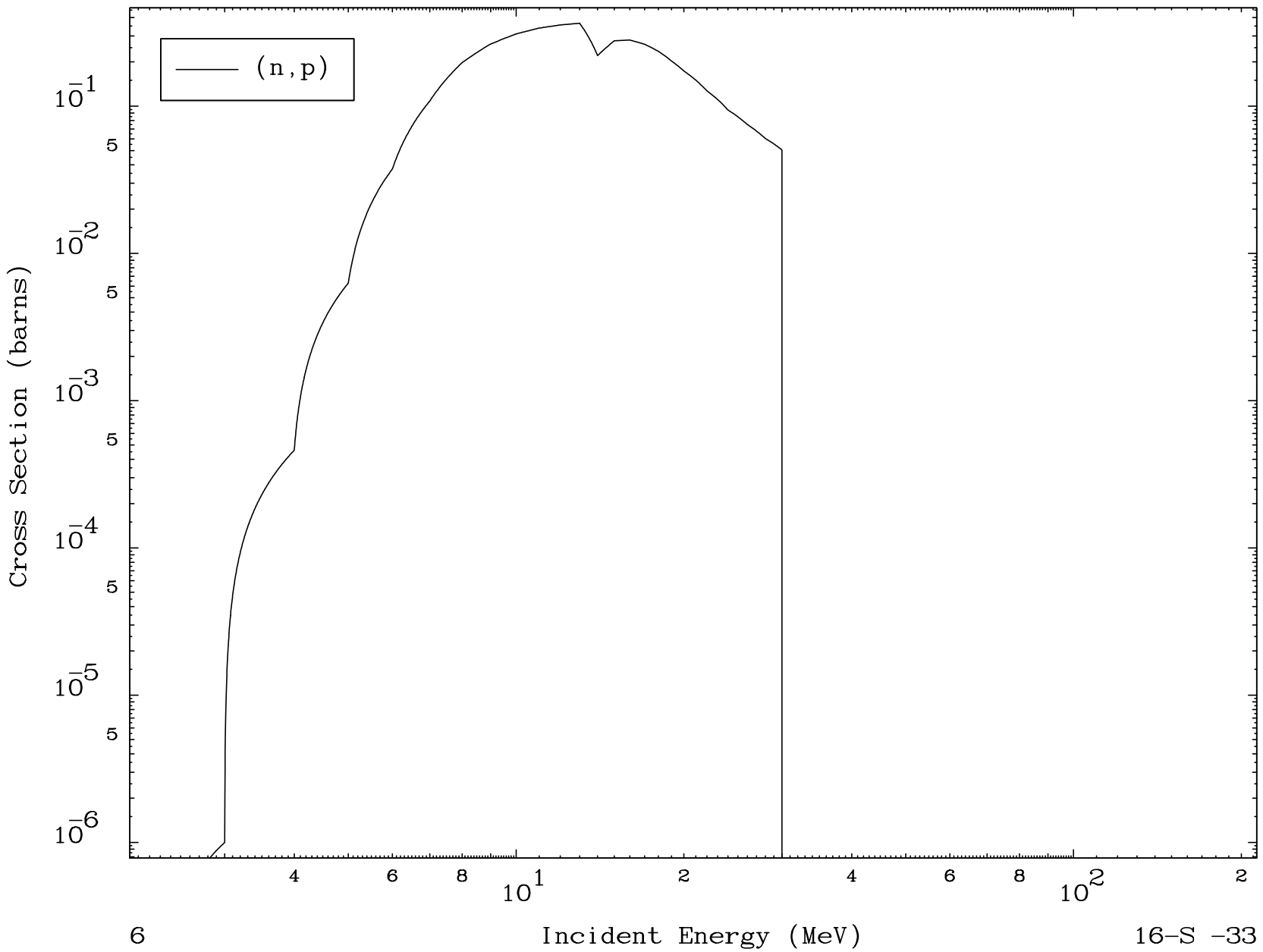

MAT 1628
α Major
16-S -33
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
16-S -33

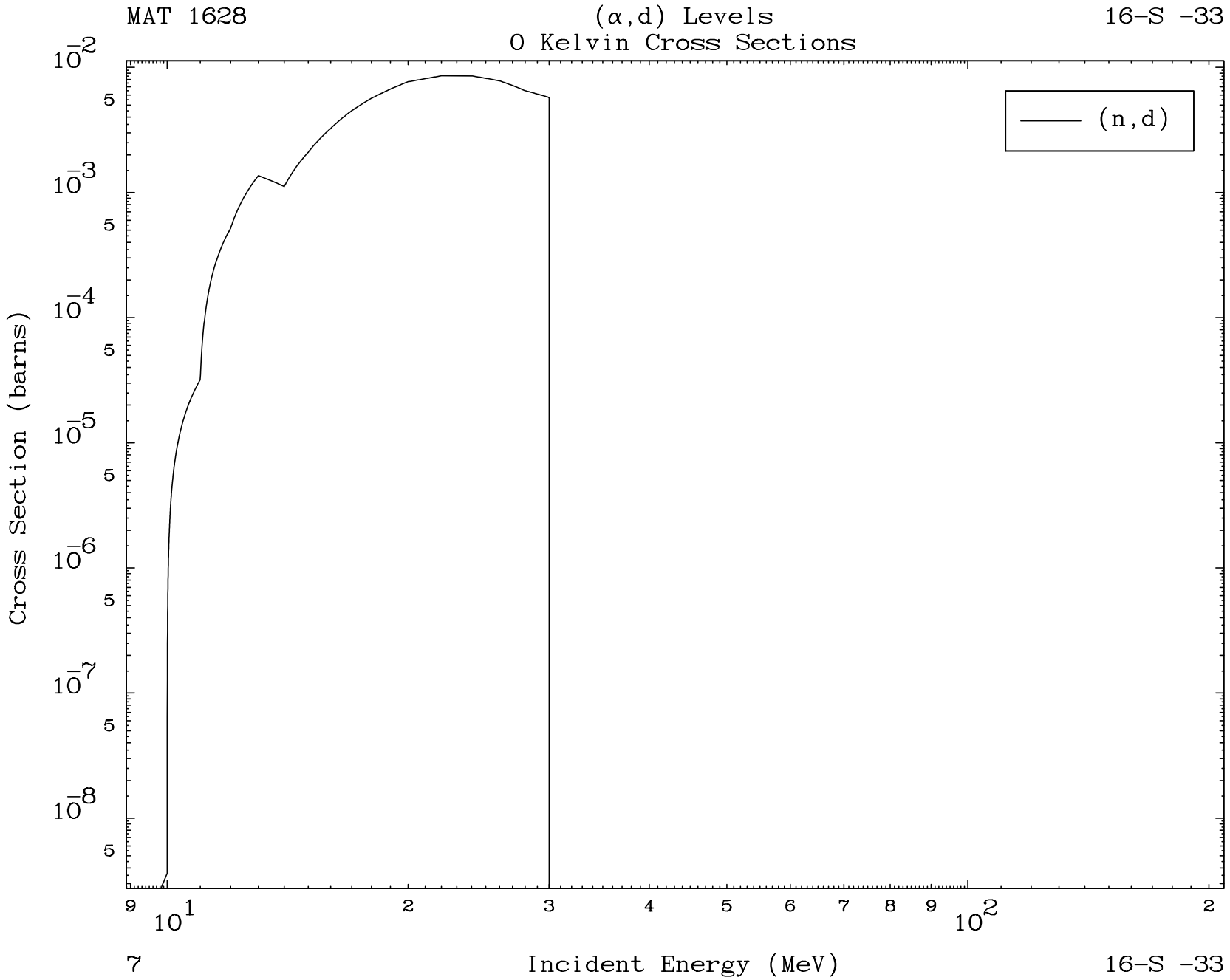

MAT 1628
α Neutron Absorption
0 Kelvin Cross Sections
16-S -33
(n,2n)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
16-S -33


MAT 1628
α Neutron Absorption
0 Kelvin Cross Sections
16-S -33
(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
16-S -33

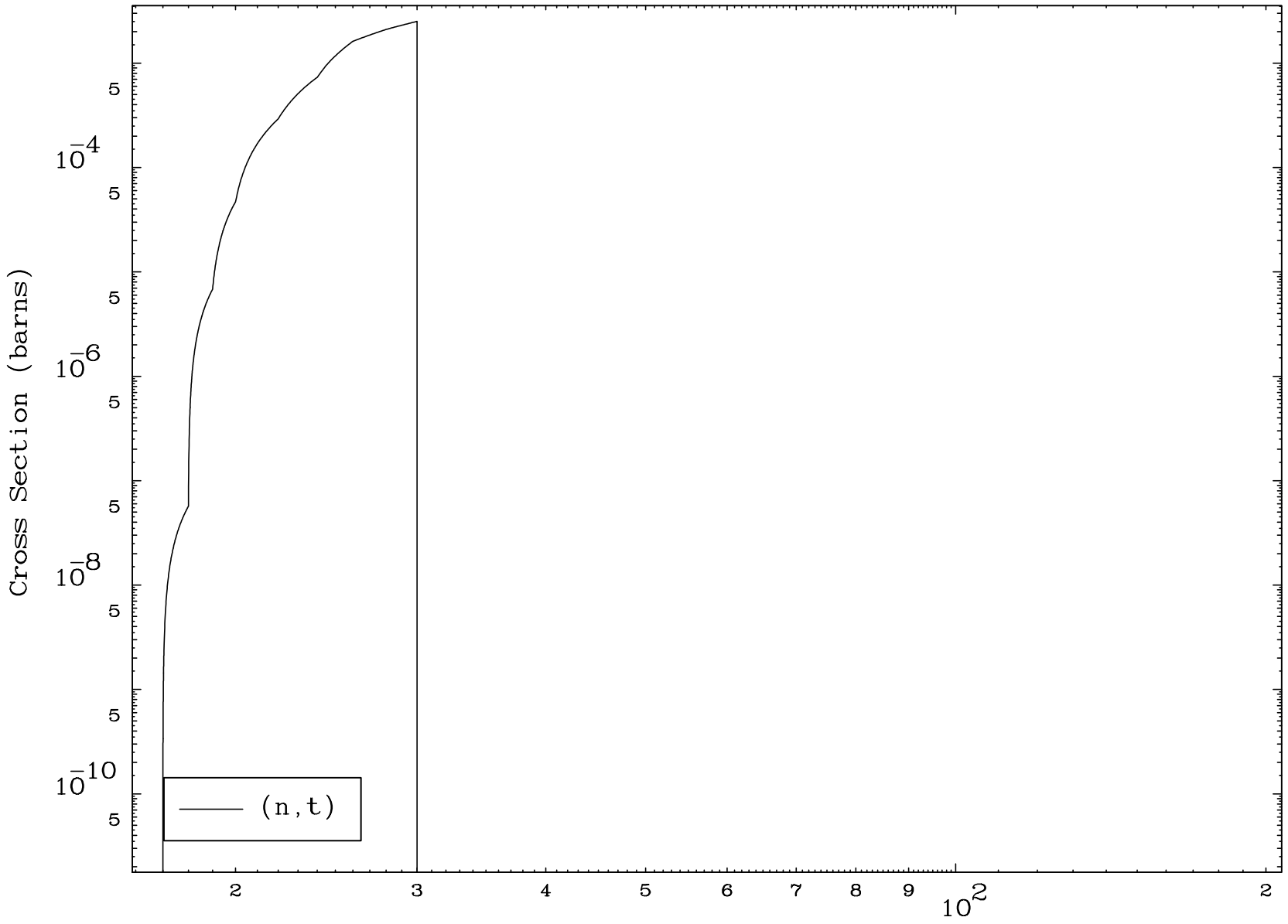

MAT 1628
α Charged Particle
0 Kelvin Cross Sections
16-S -33
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
4
16-S -33

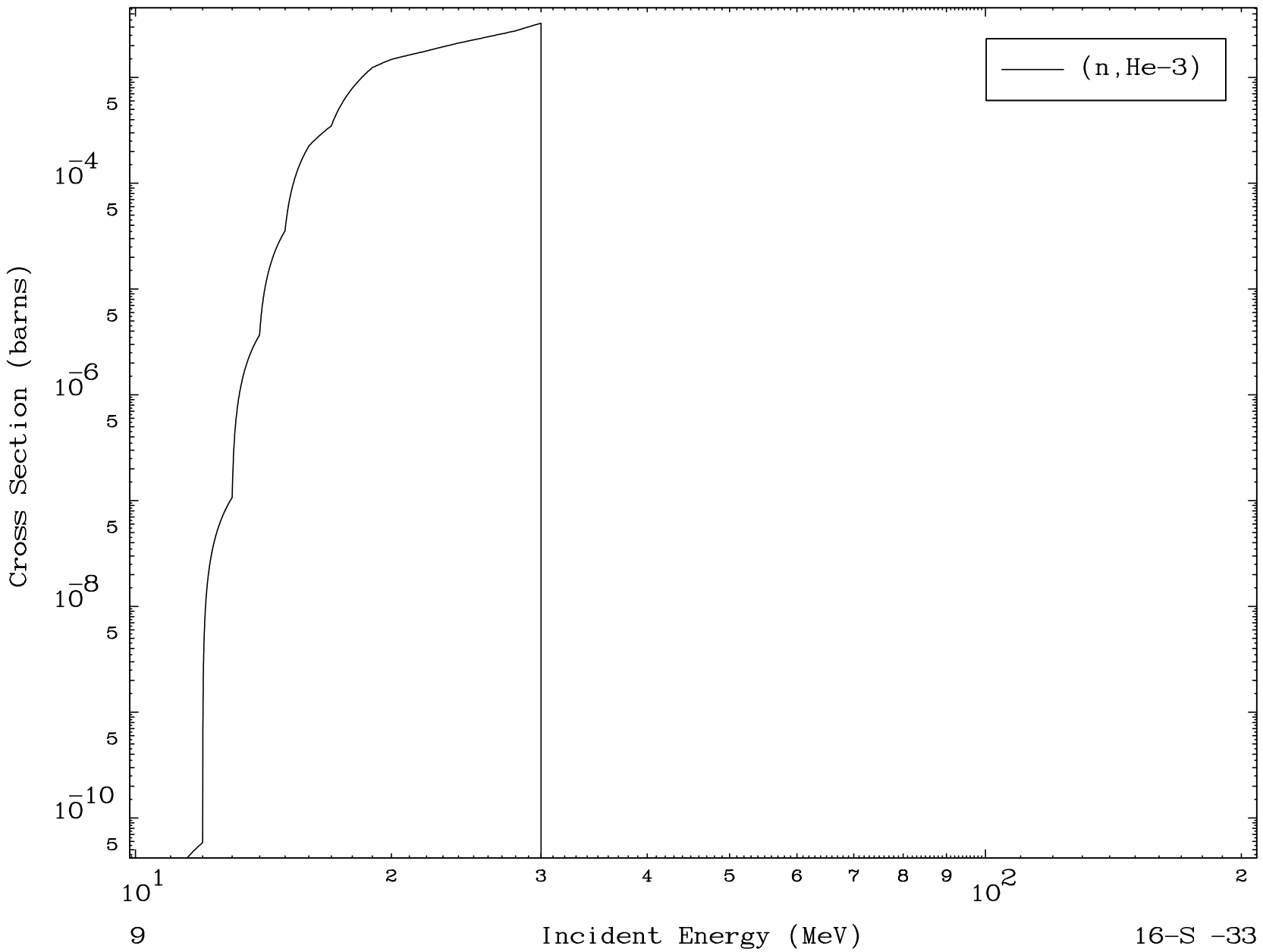

MAT 1628
α Charged Particle
0 Kelvin Cross Sections
16-S -33
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
16-S -33

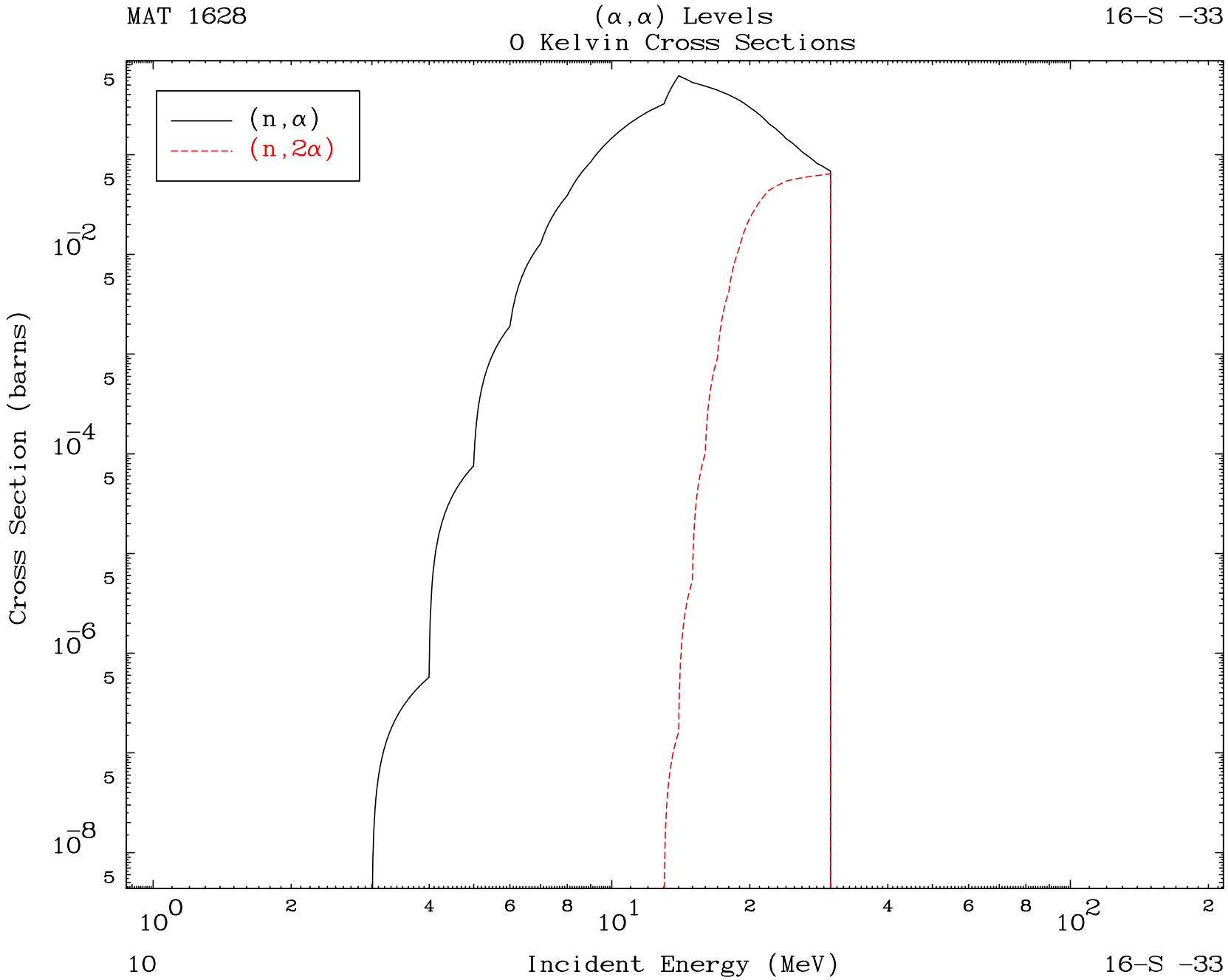

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
10-6
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)

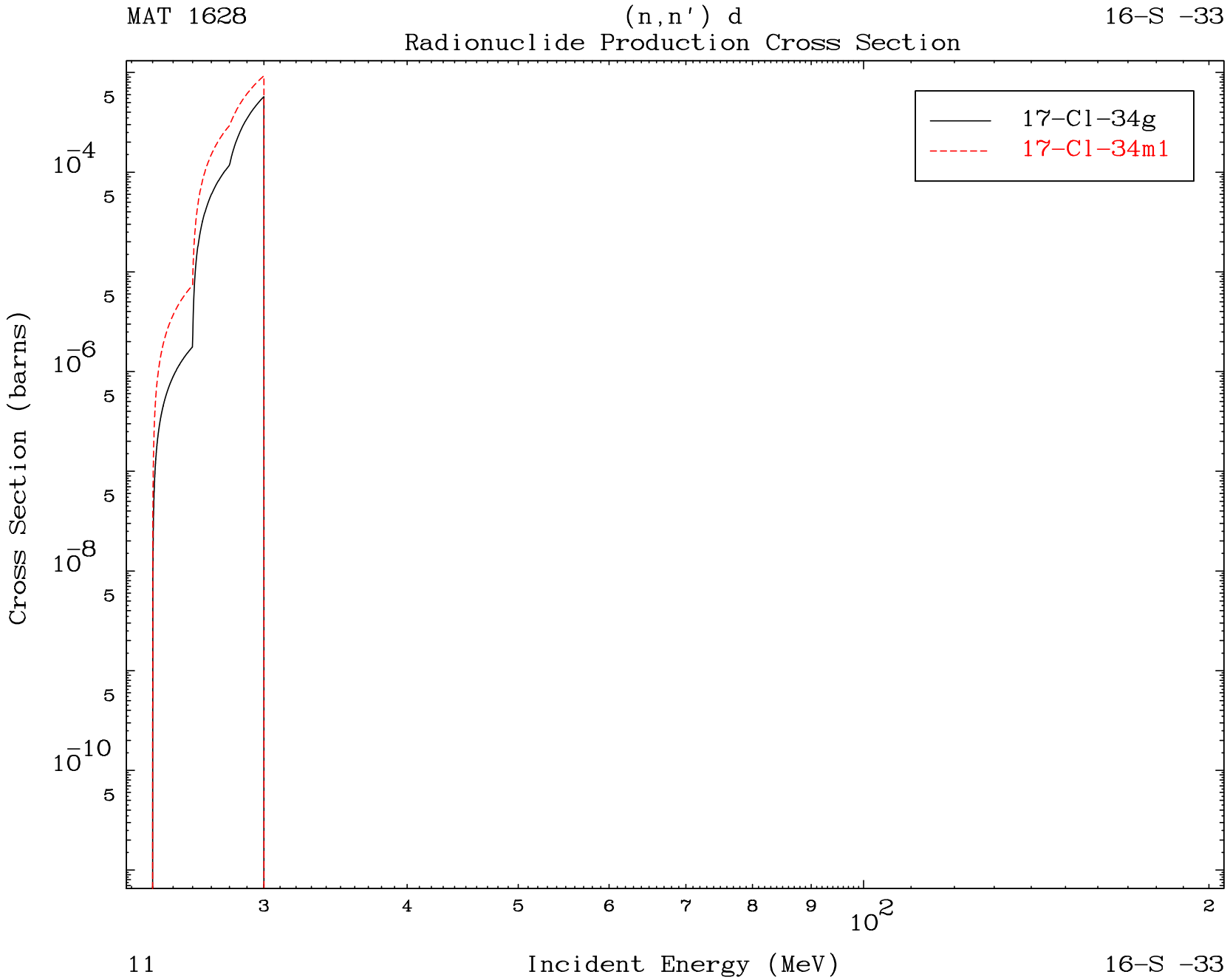

MAT 1628
(α,d) Levels
16-S -33
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
16-S -33
7

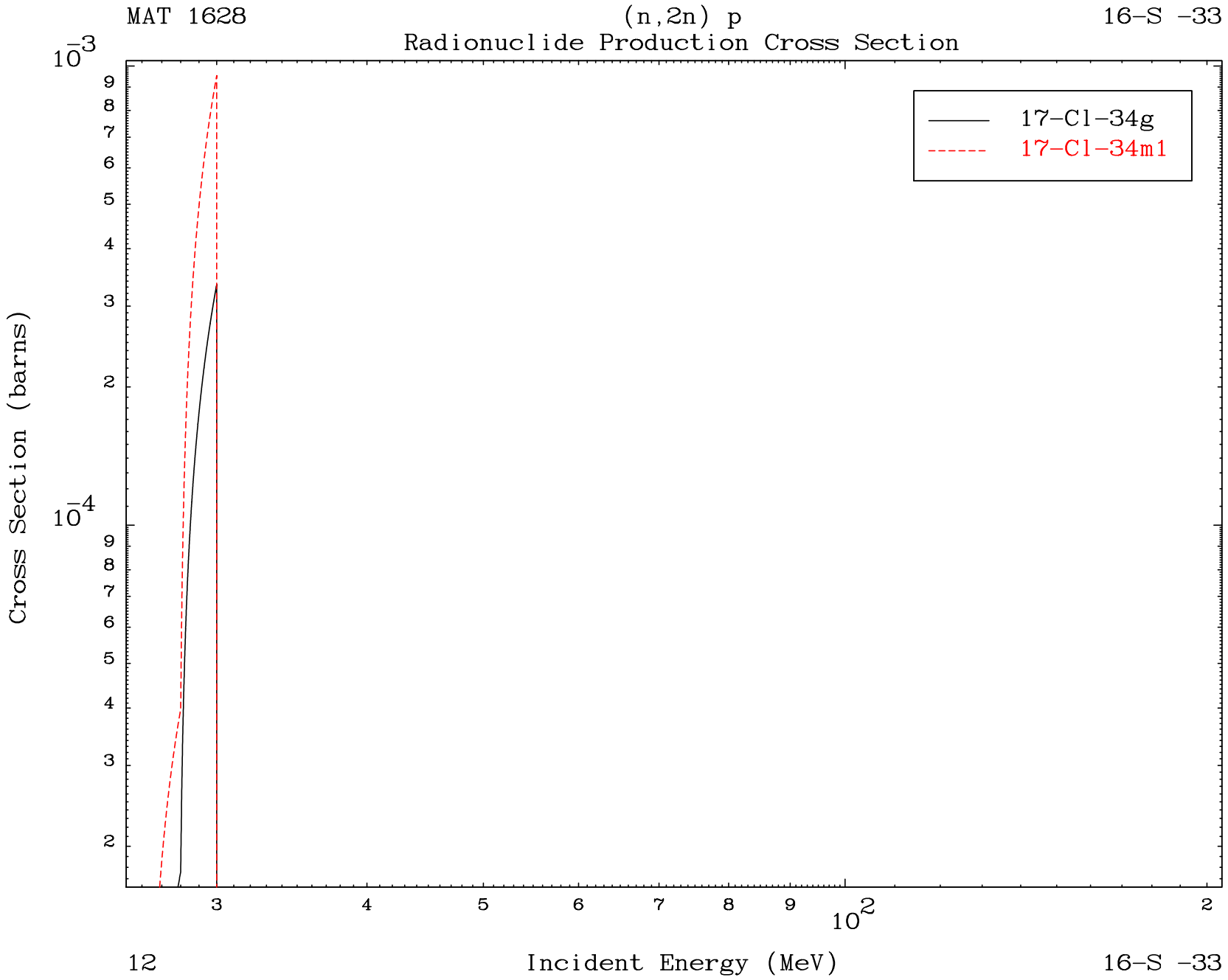
0 Kelvin Cross Sections

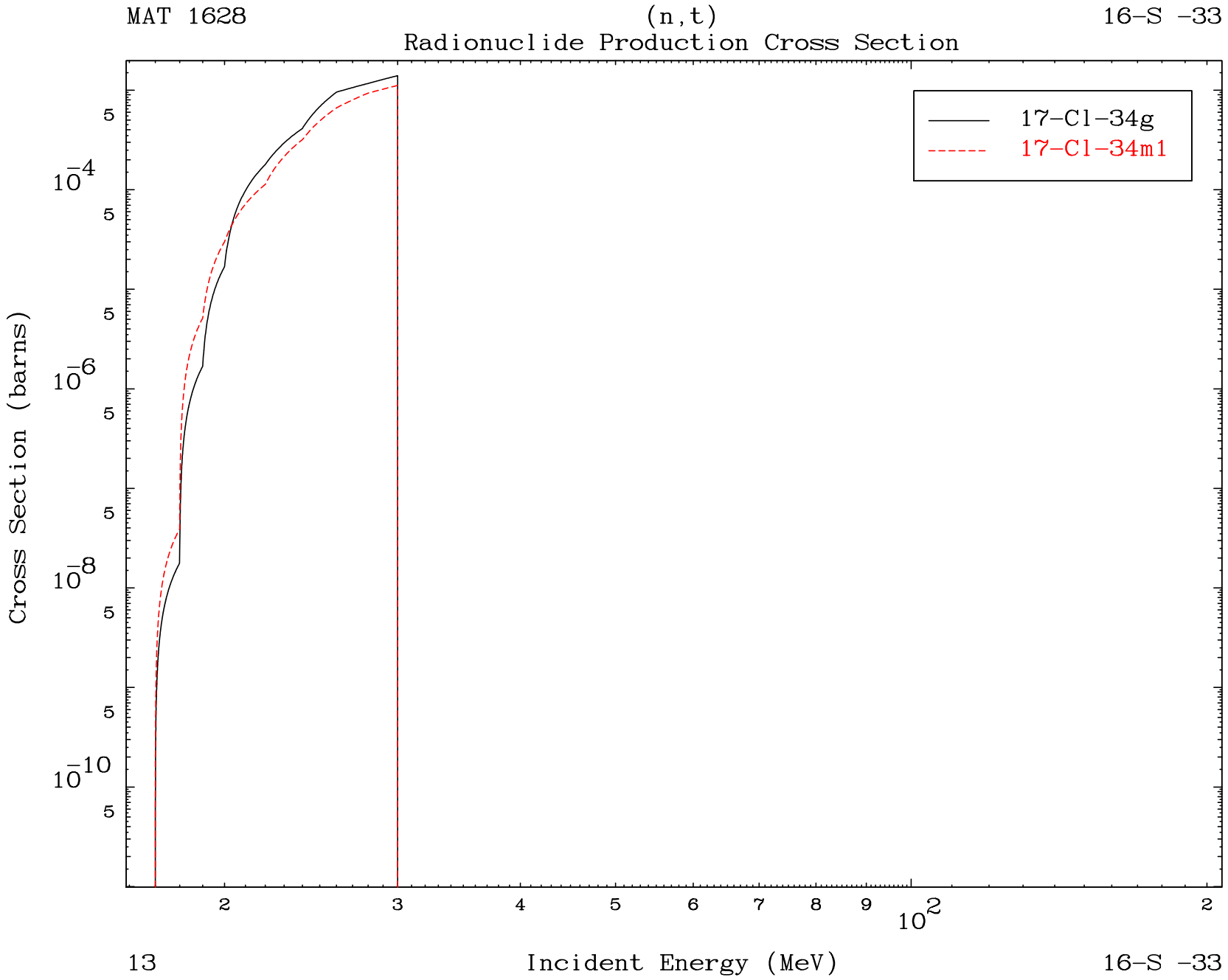



0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)


MAT 1628
(α,α) Levels
16-S -33
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
16-S -33


MAT 1628
(n,n') d
16-S -33
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
16-S -33


MAT 1628
(n,2n) p
16-S -33
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
Incident Energy (MeV)
12
16-S -33


MAT 1628
(n,t)
16-S -33
Radionuclide Production Cross Section
17-Cl-34g
17-Cl-34m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
16-S -33