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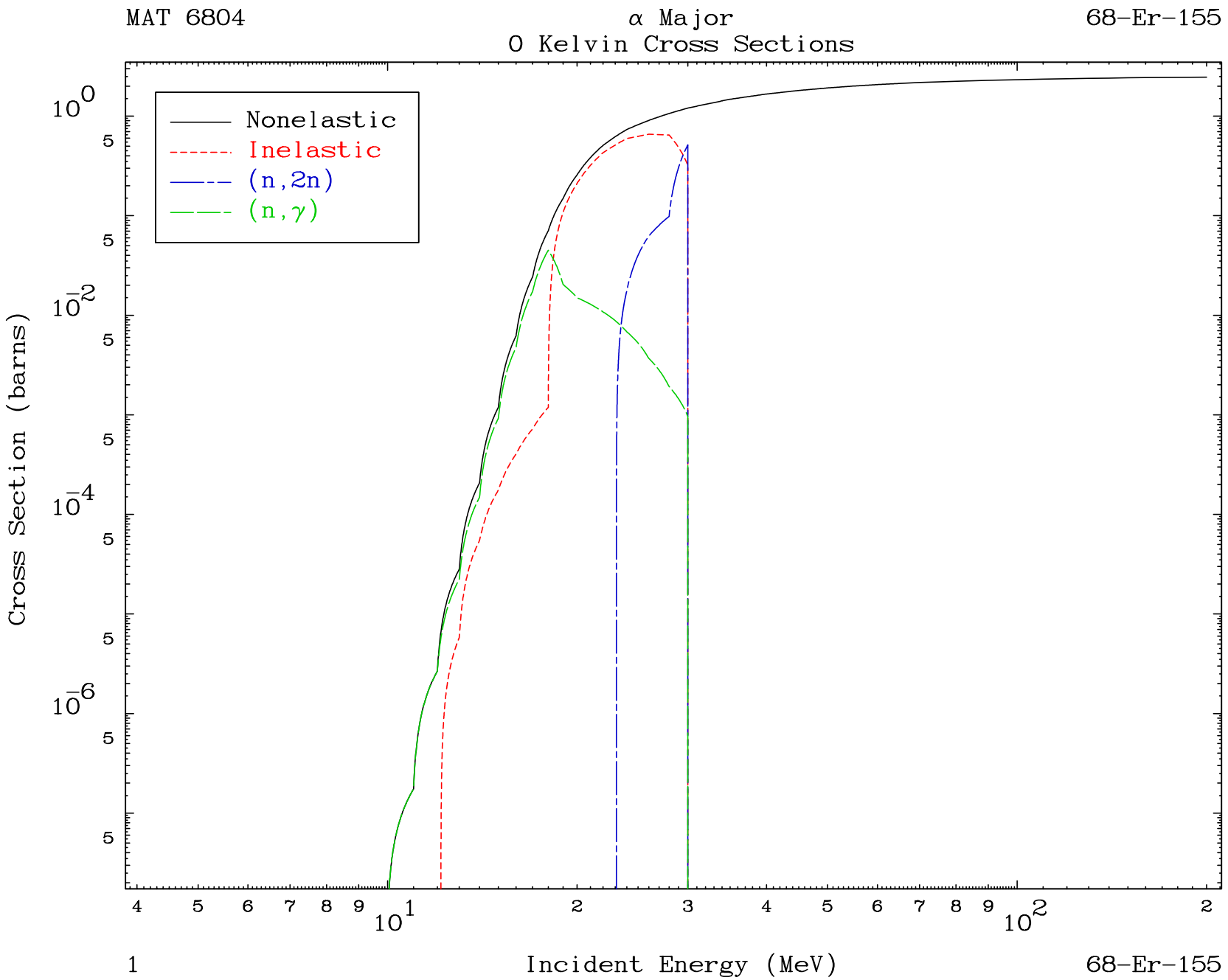
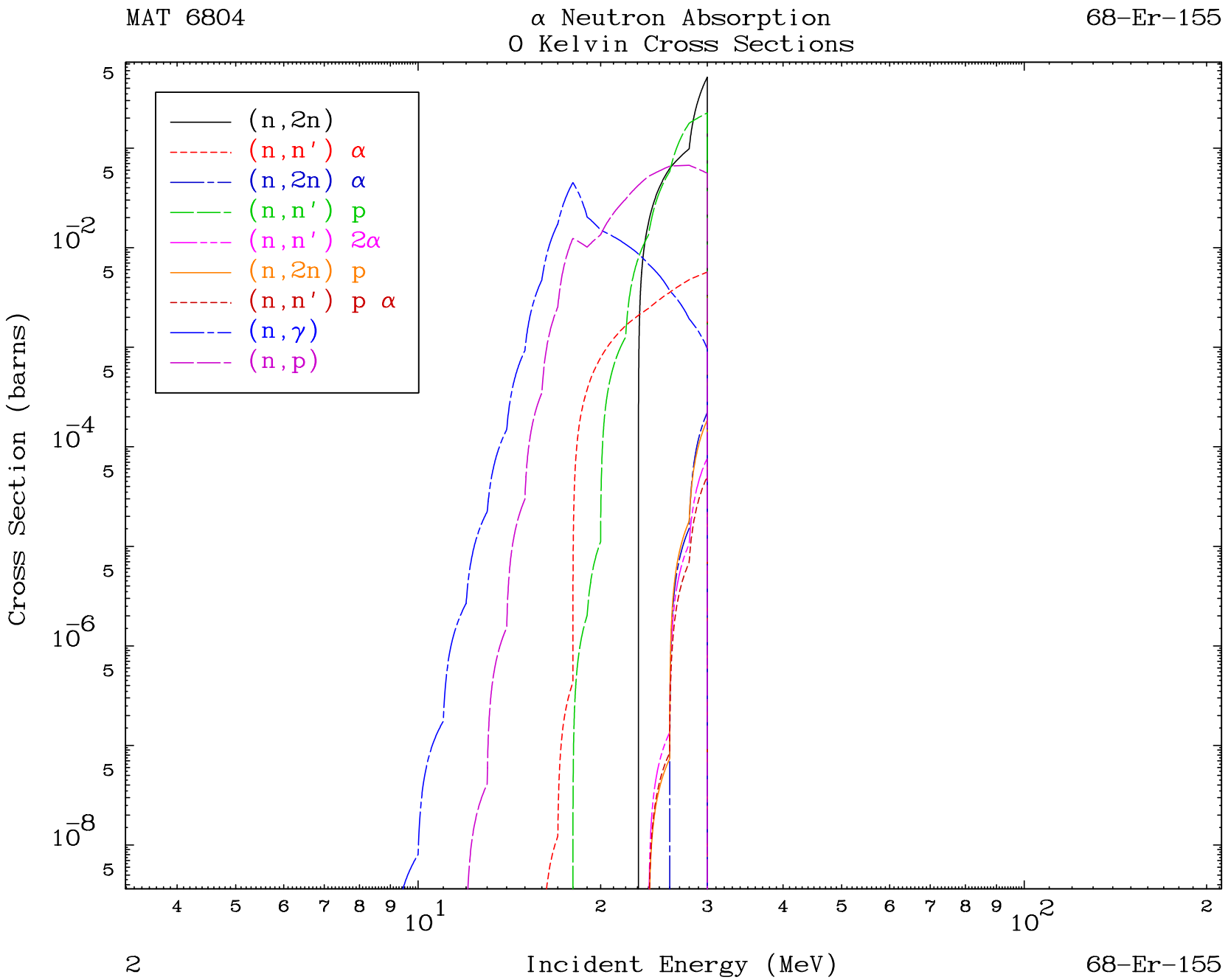
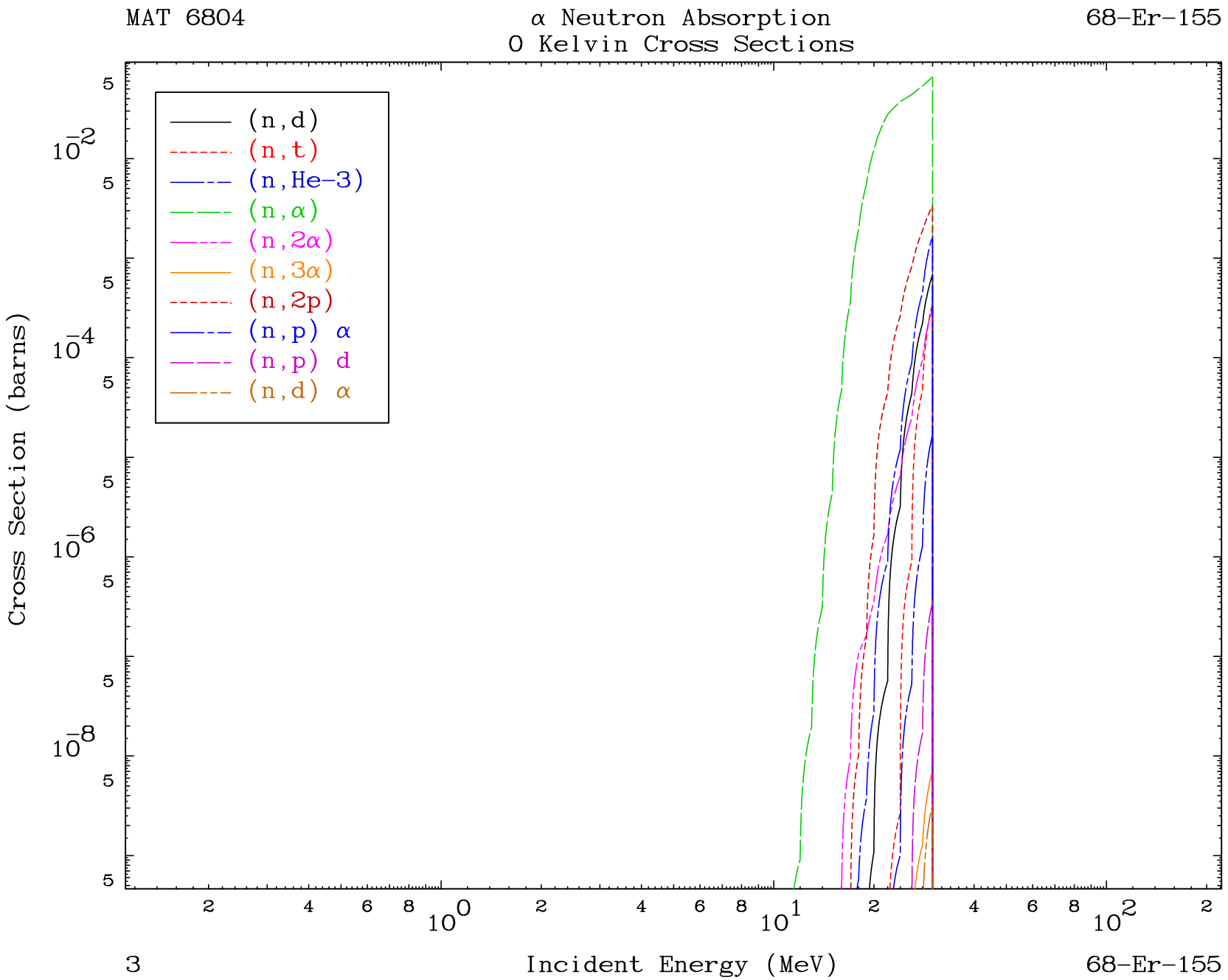
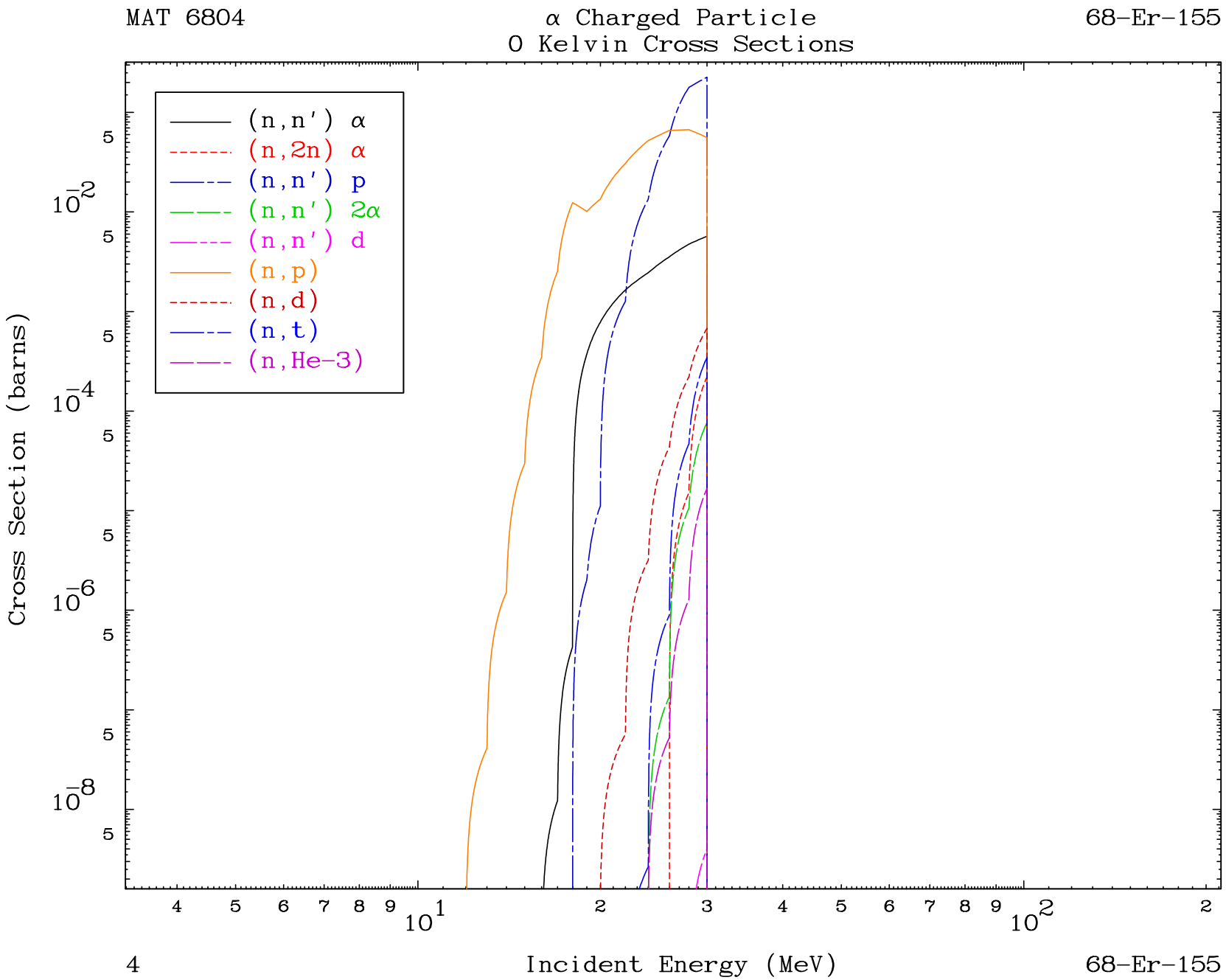
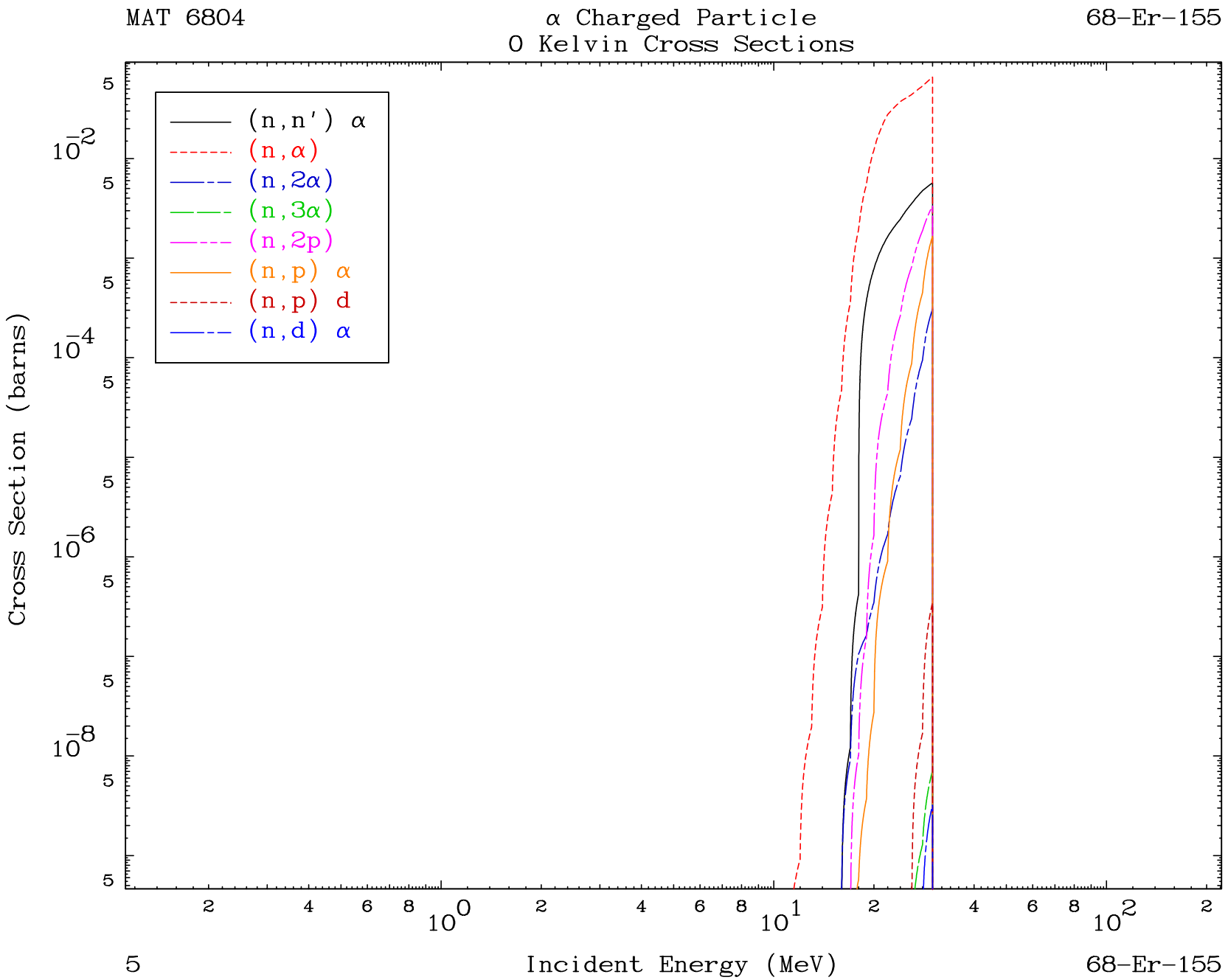
Press Mouse Button to Start

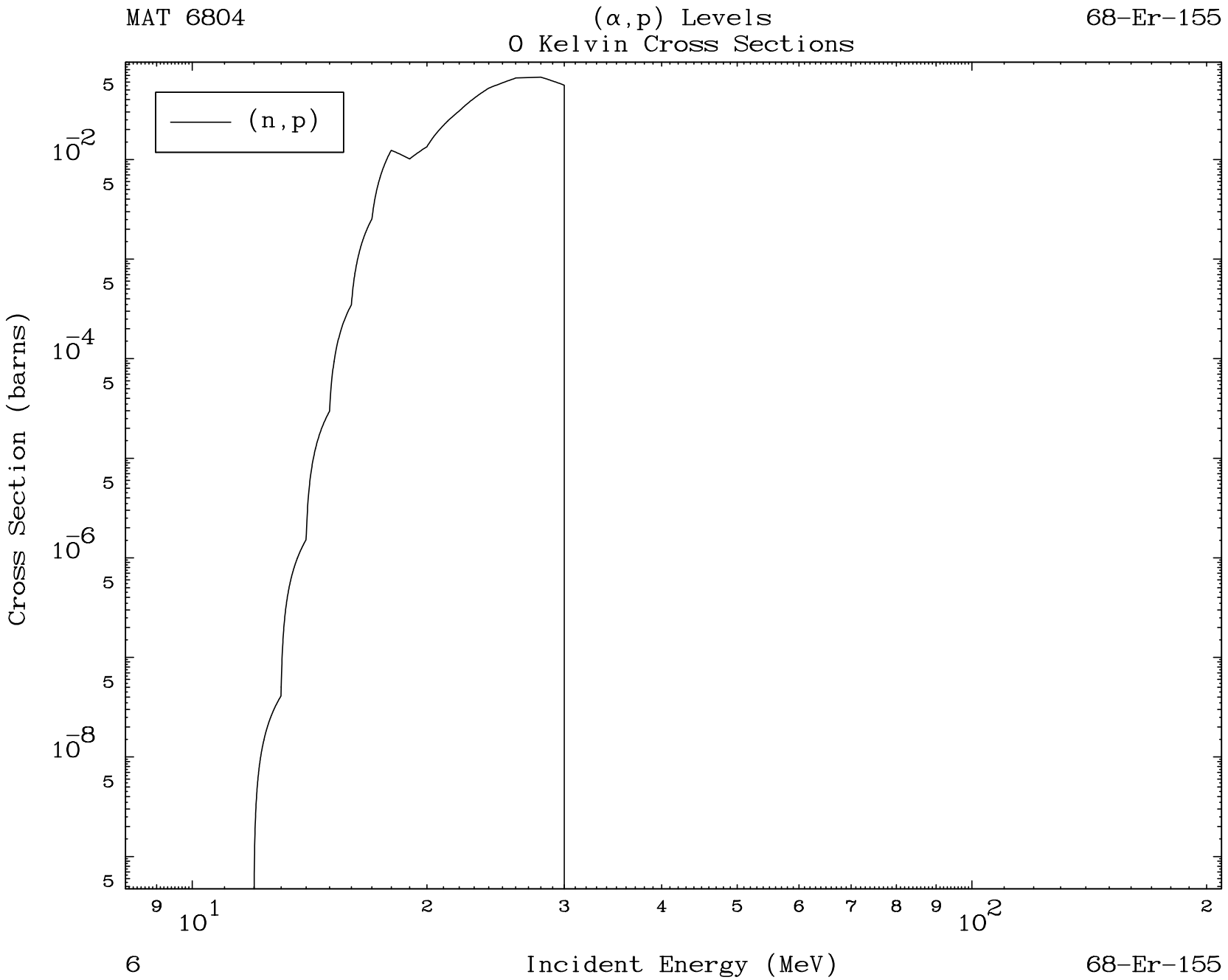

MAT 6804
α Major
68-Er-155
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-155

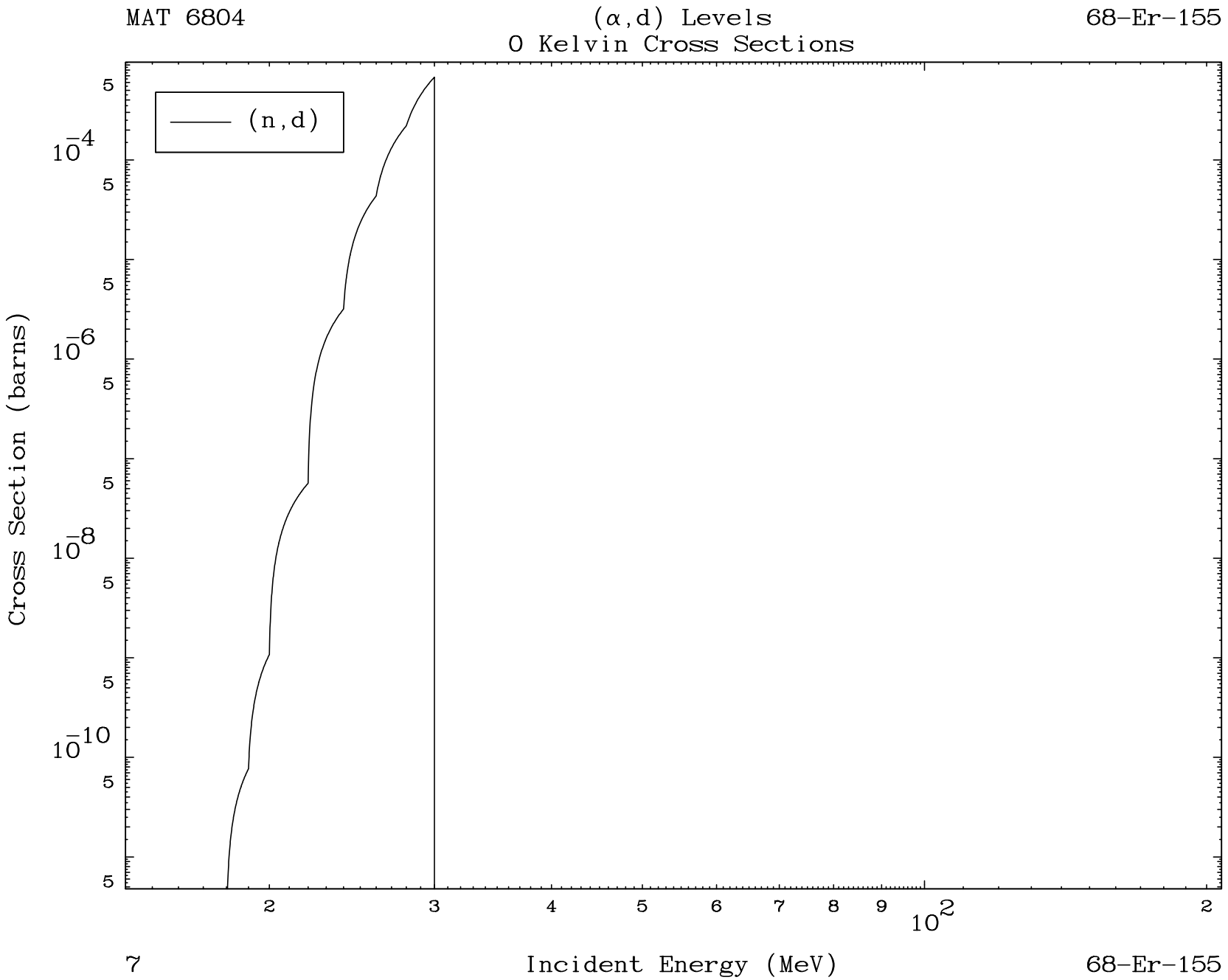

MAT 6804
α Neutron Absorption
0 Kelvin Cross Sections
68-Er-155
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
68-Er-155

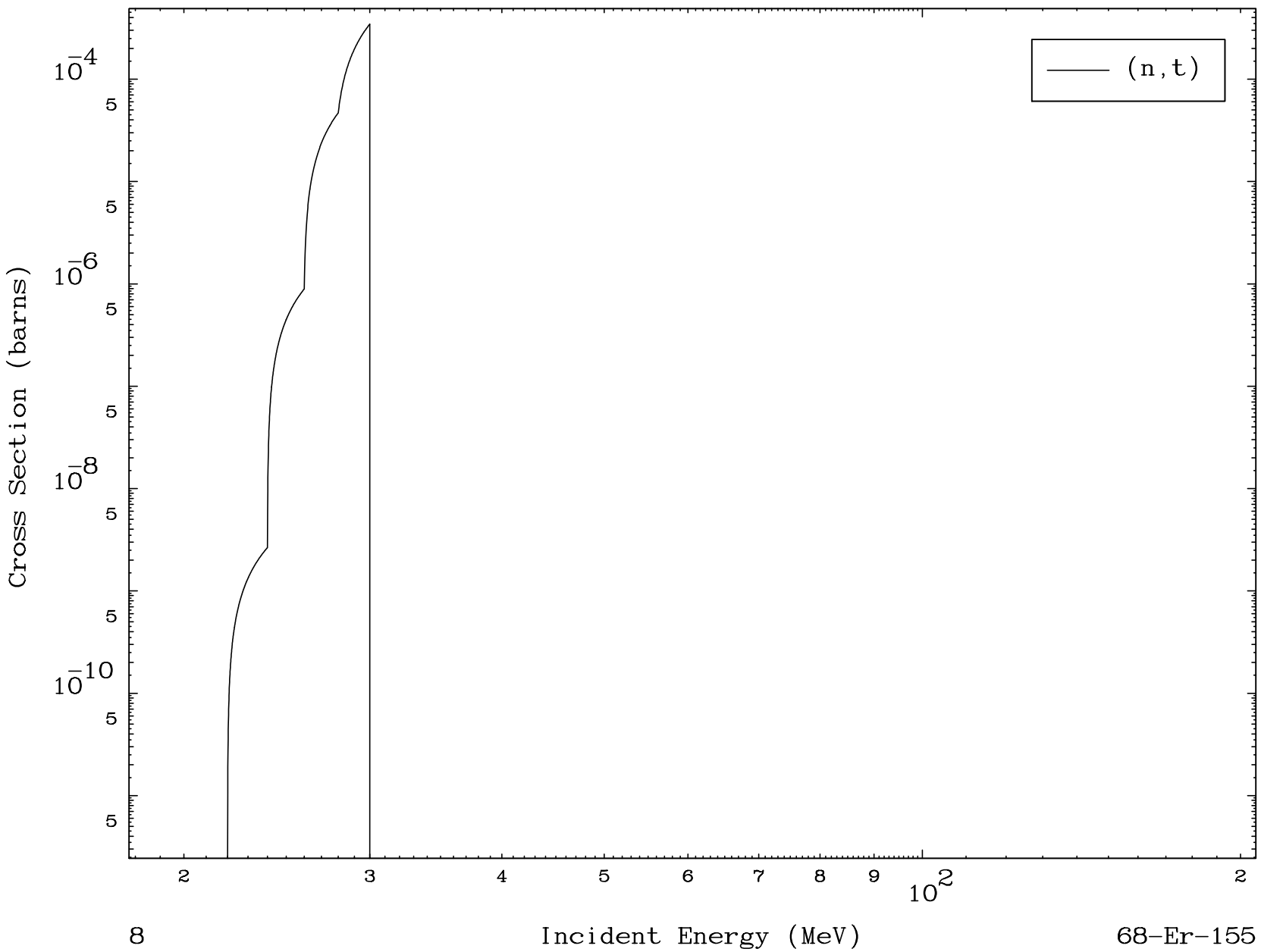

MAT 6804
α Neutron Absorption
0 Kelvin Cross Sections
68-Er-155
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-155

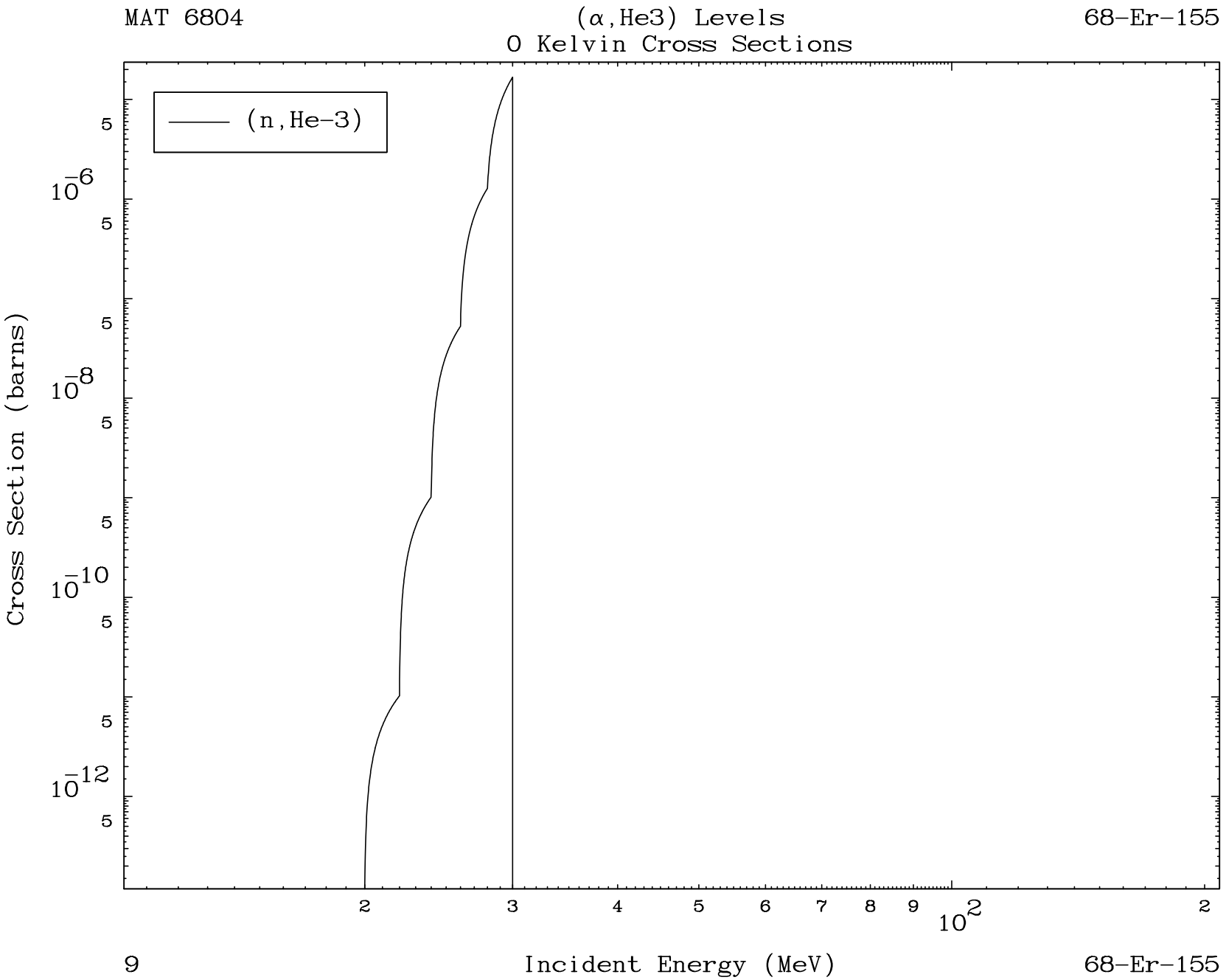

MAT 6804
α Charged Particle
0 Kelvin Cross Sections
68-Er-155
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-155

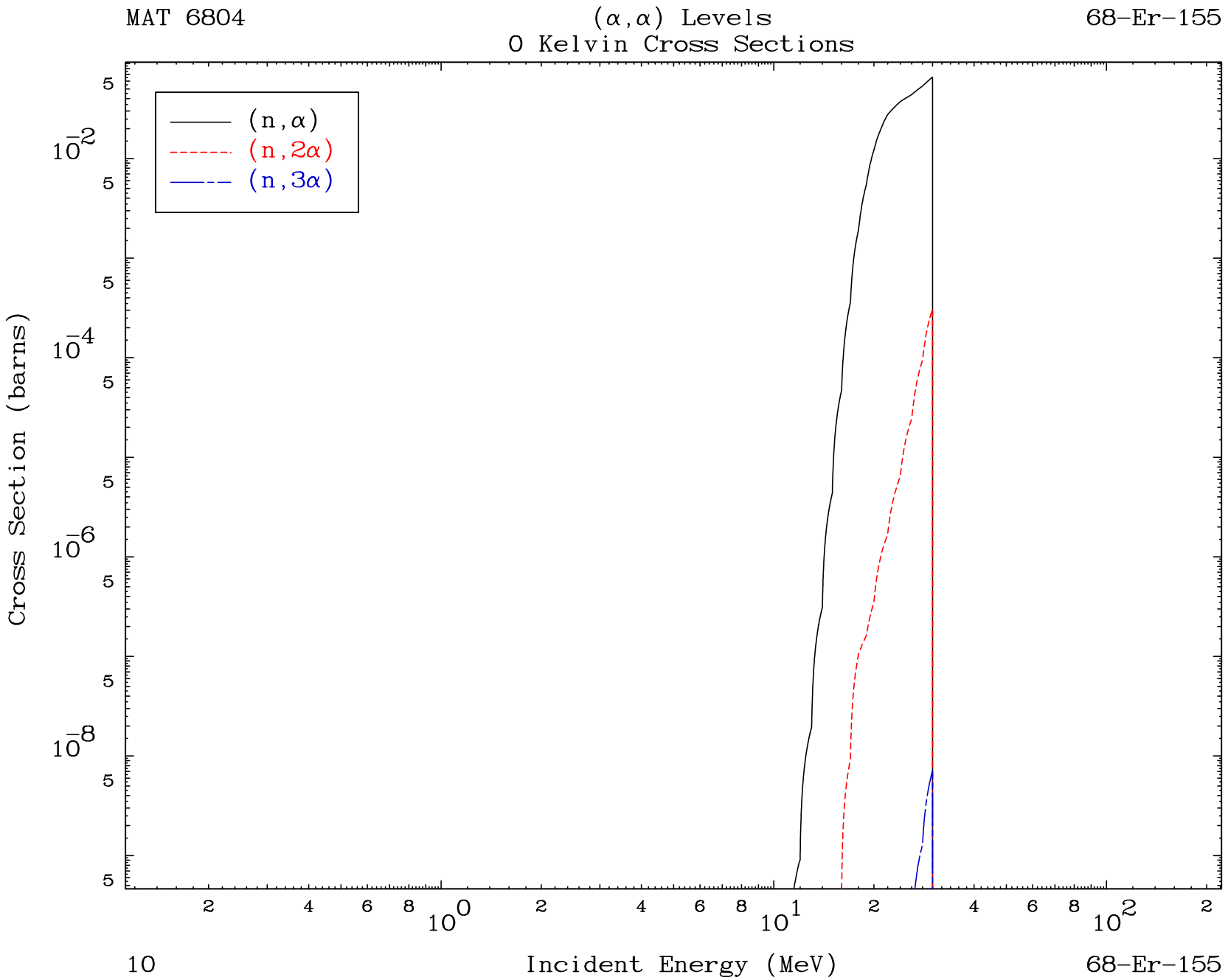

MAT 6804
α Charged Particle
0 Kelvin Cross Sections
68-Er-155
(n,n') α
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
68-Er-155

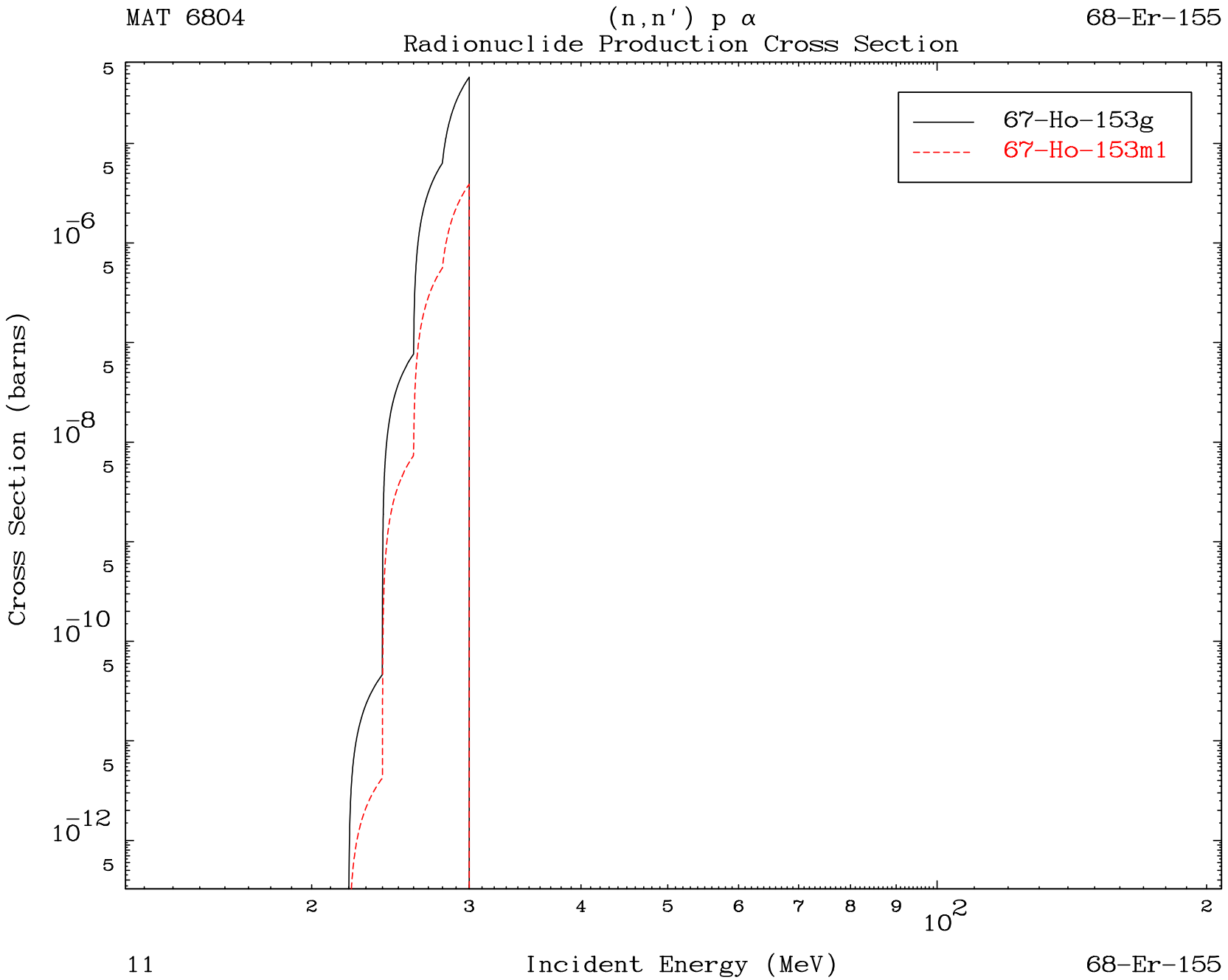

MAT 6804
(α,p) Levels
68-Er-155
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
68-Er-155

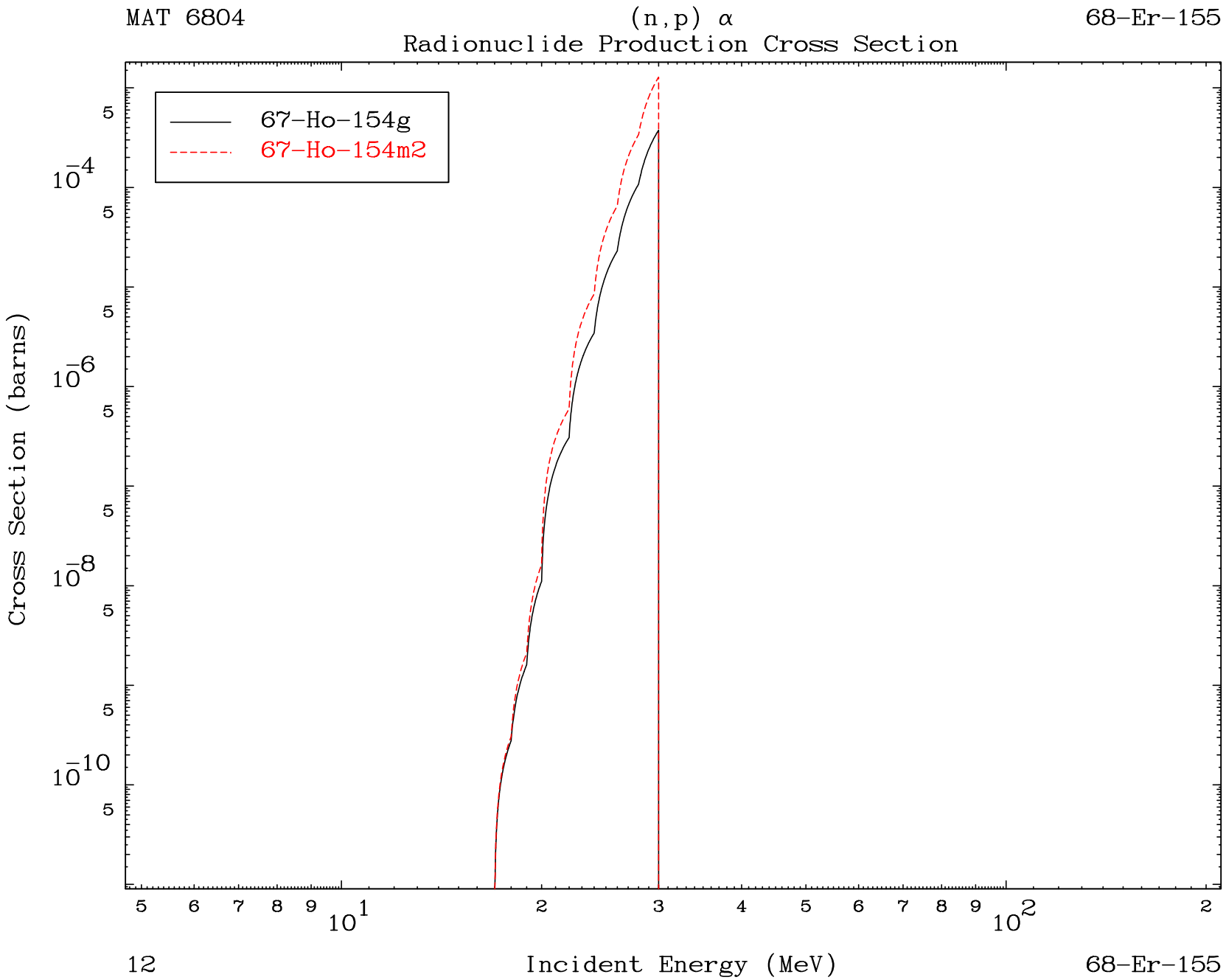

MAT 6804
(α,d) Levels
68-Er-155
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
68-Er-155

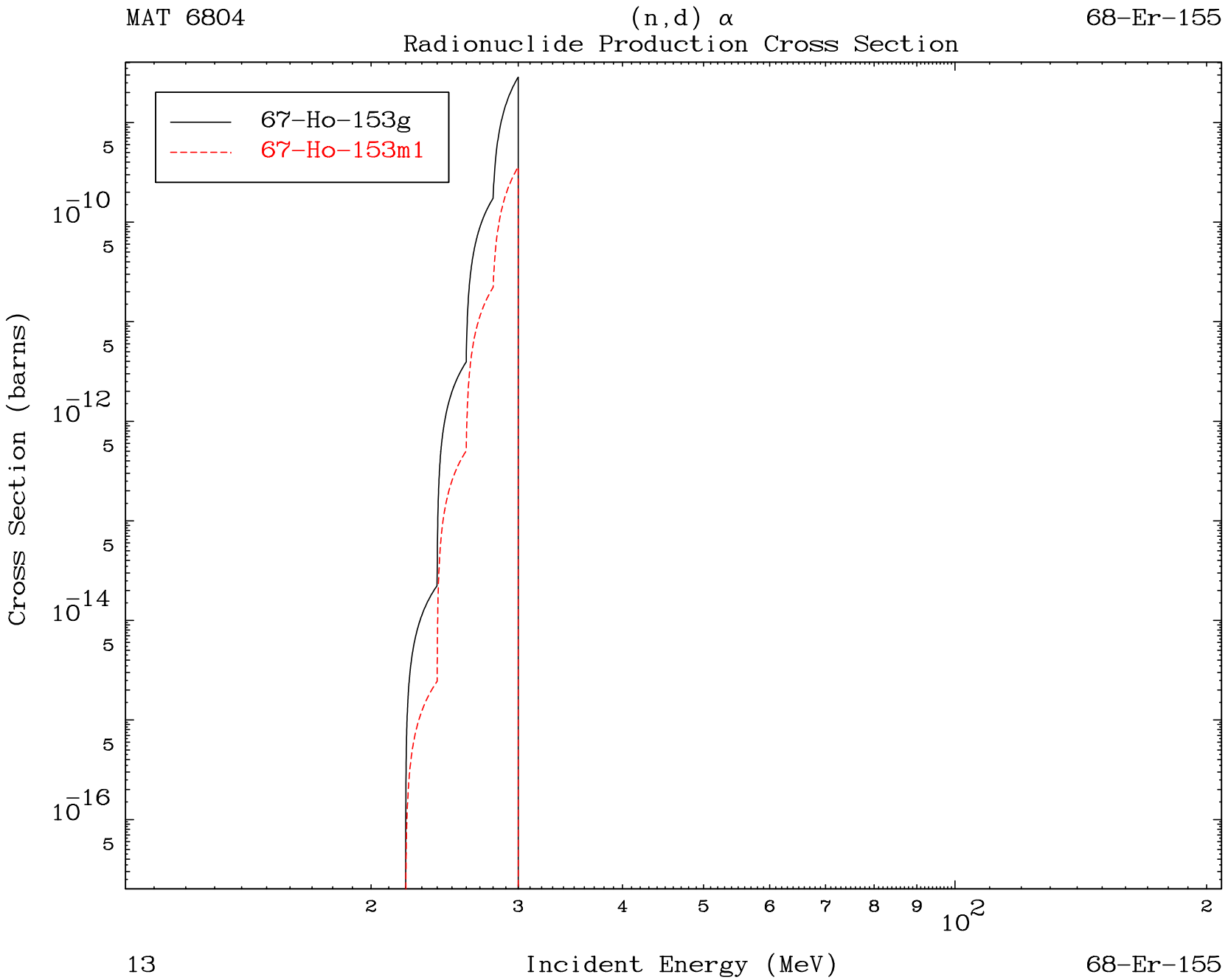

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 6804
(α,He3) Levels
68-Er-155
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
68-Er-155


MAT 6804
(α,α) Levels
68-Er-155
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
10
Incident Energy (MeV)
68-Er-155


MAT 6804
(n,n') p α
68-Er-155
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
68-Er-155


MAT 6804
(n,p) α
68-Er-155
Radionuclide Production Cross Section
67-Ho-154g
67-Ho-154m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
68-Er-155


MAT 6804
(n,d) α
68-Er-155
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
68-Er-155