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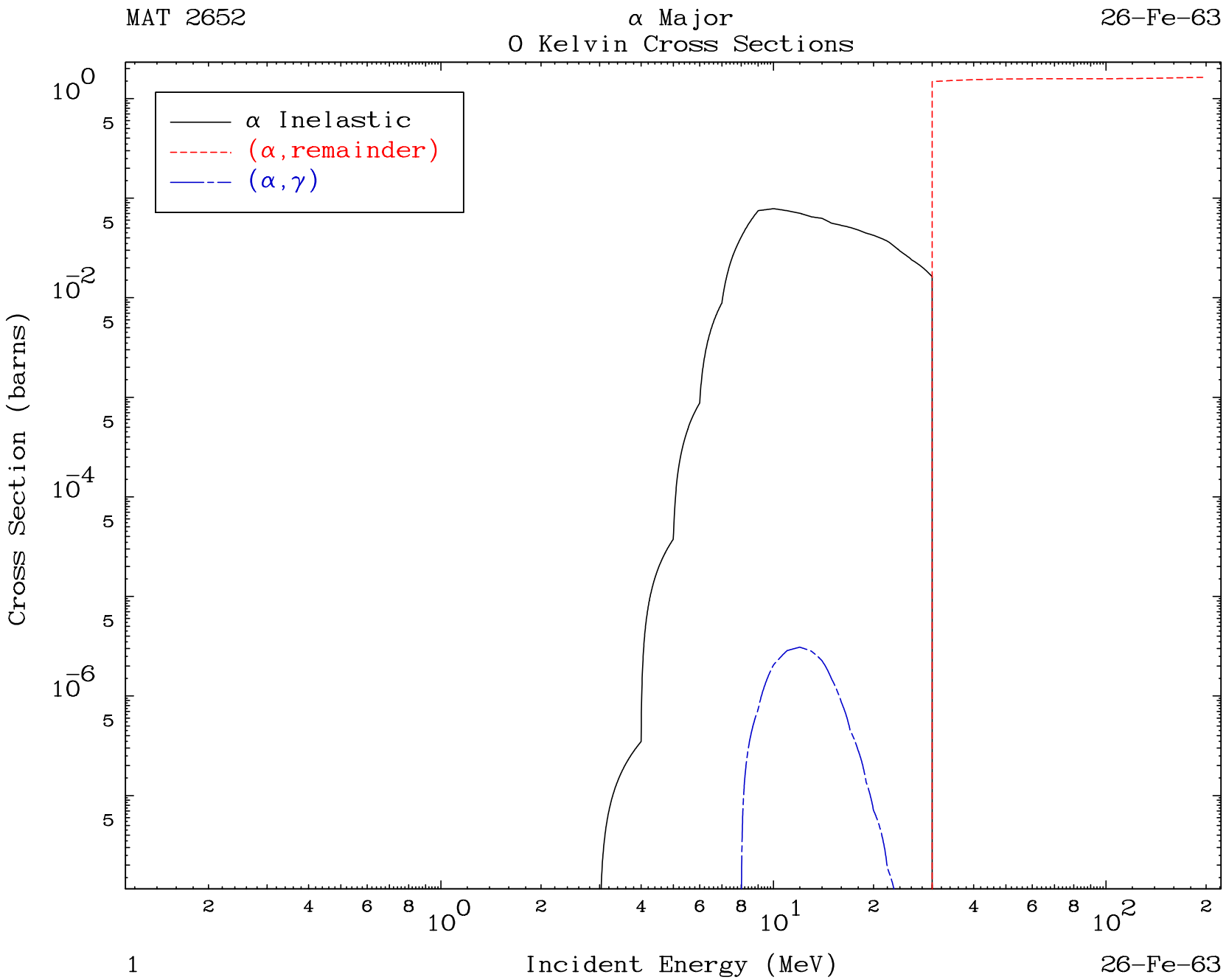
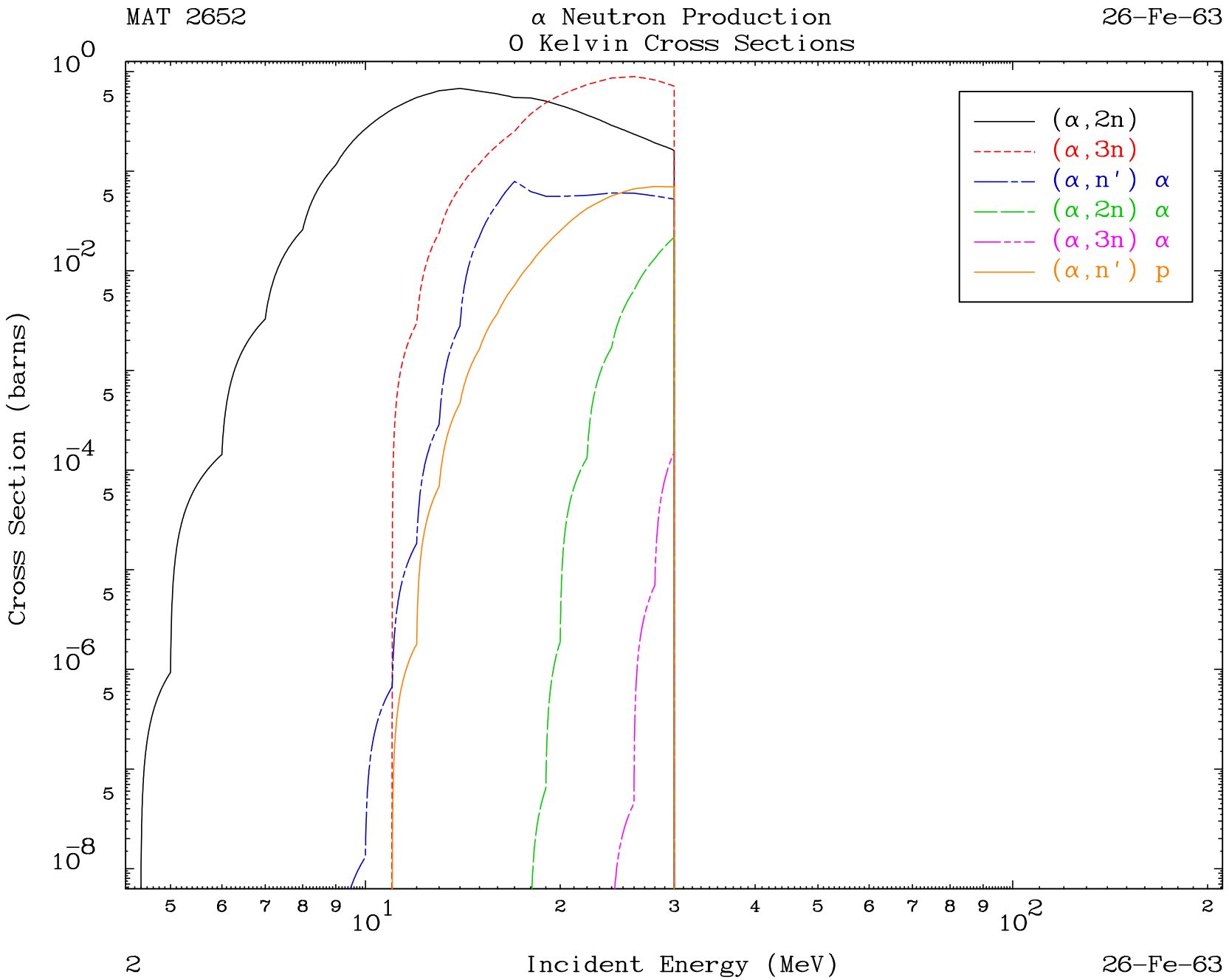
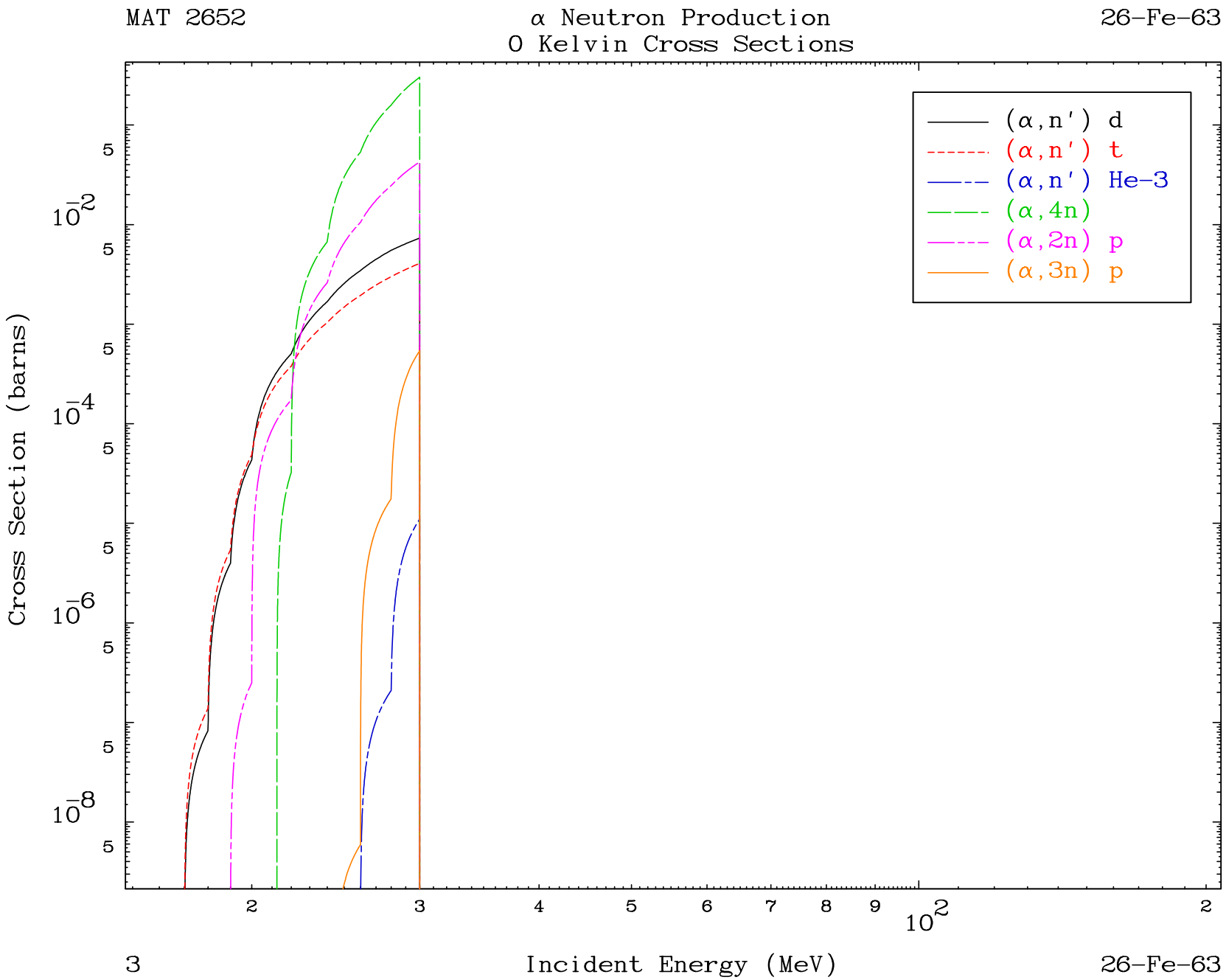
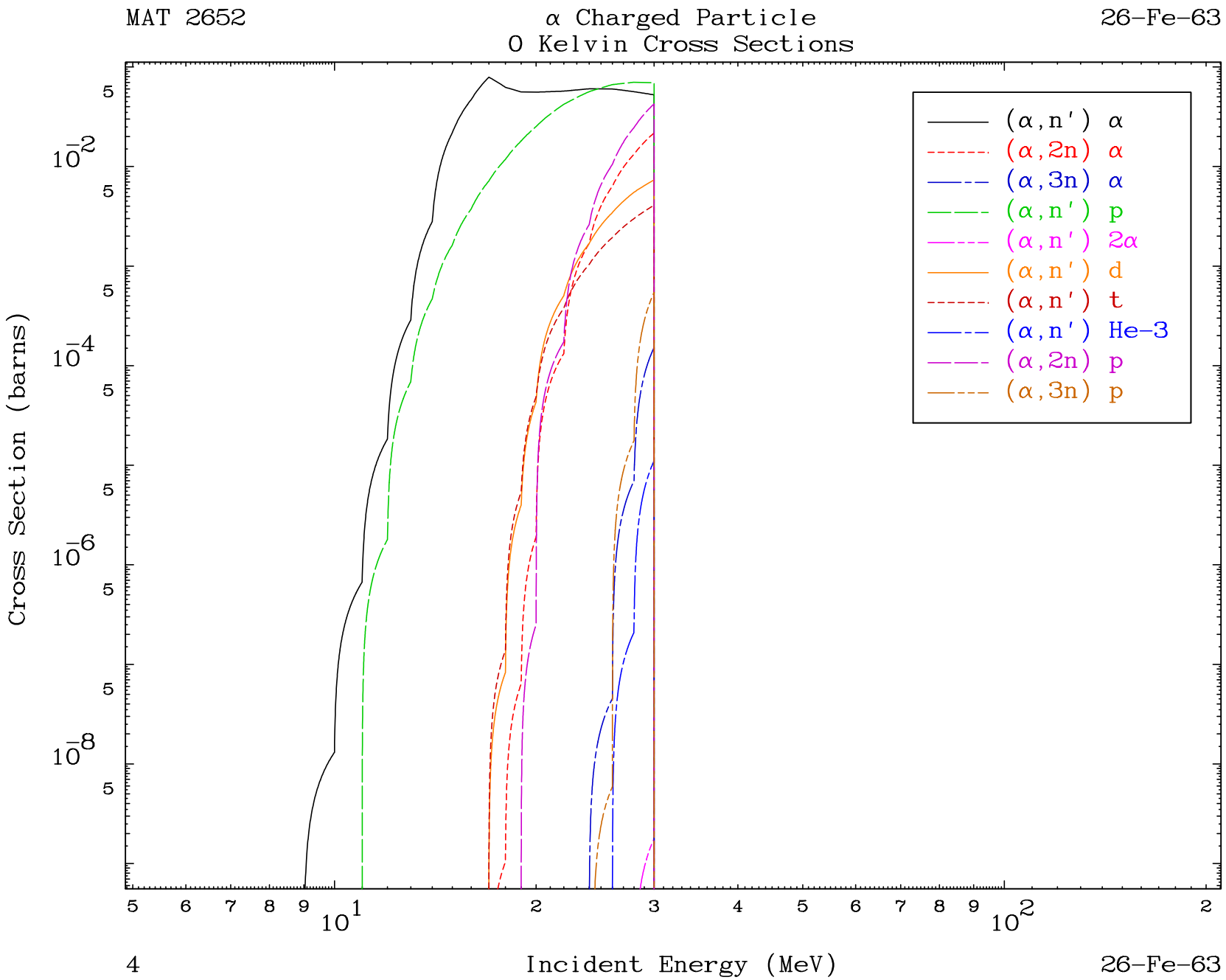
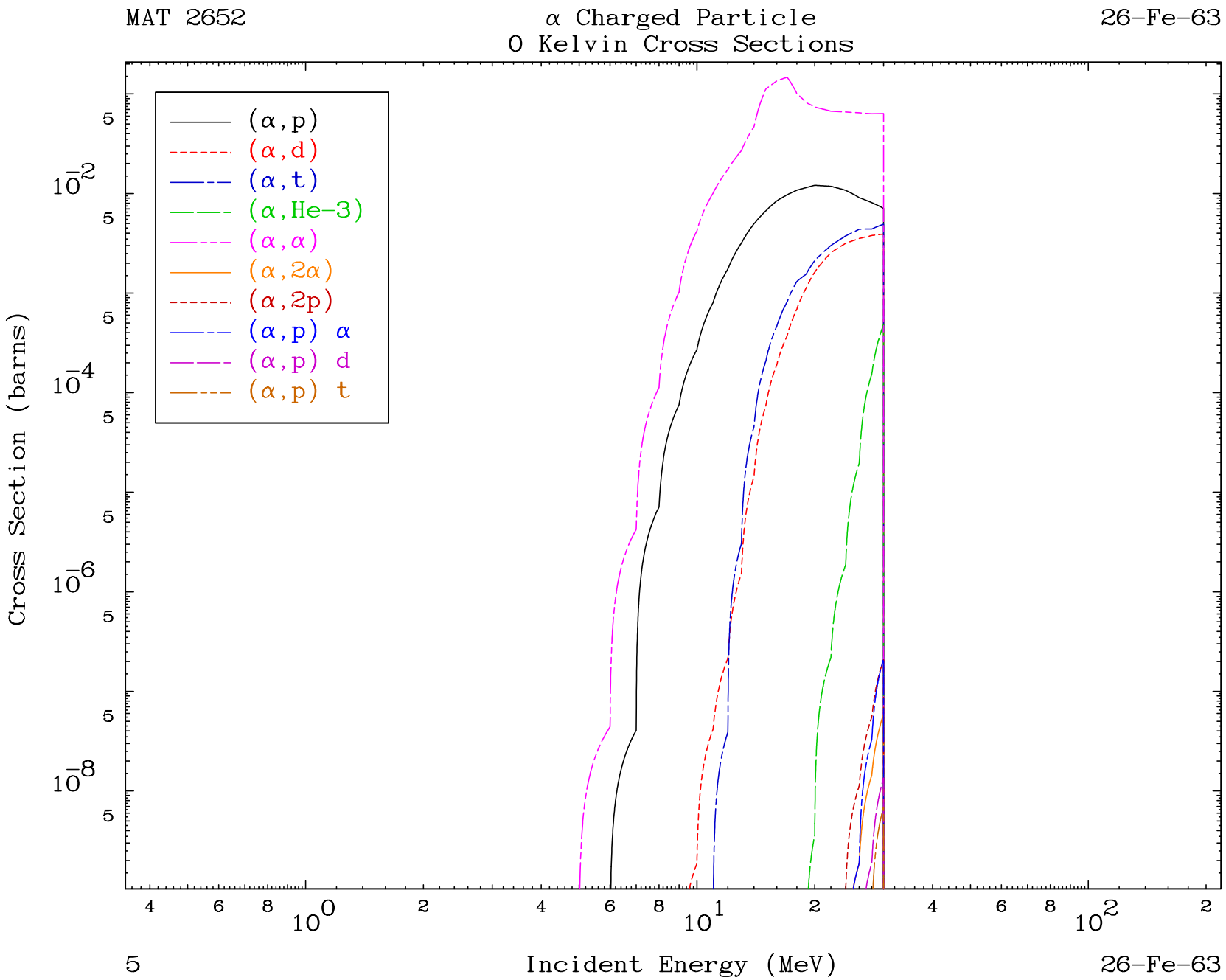
Press Mouse Button to Start

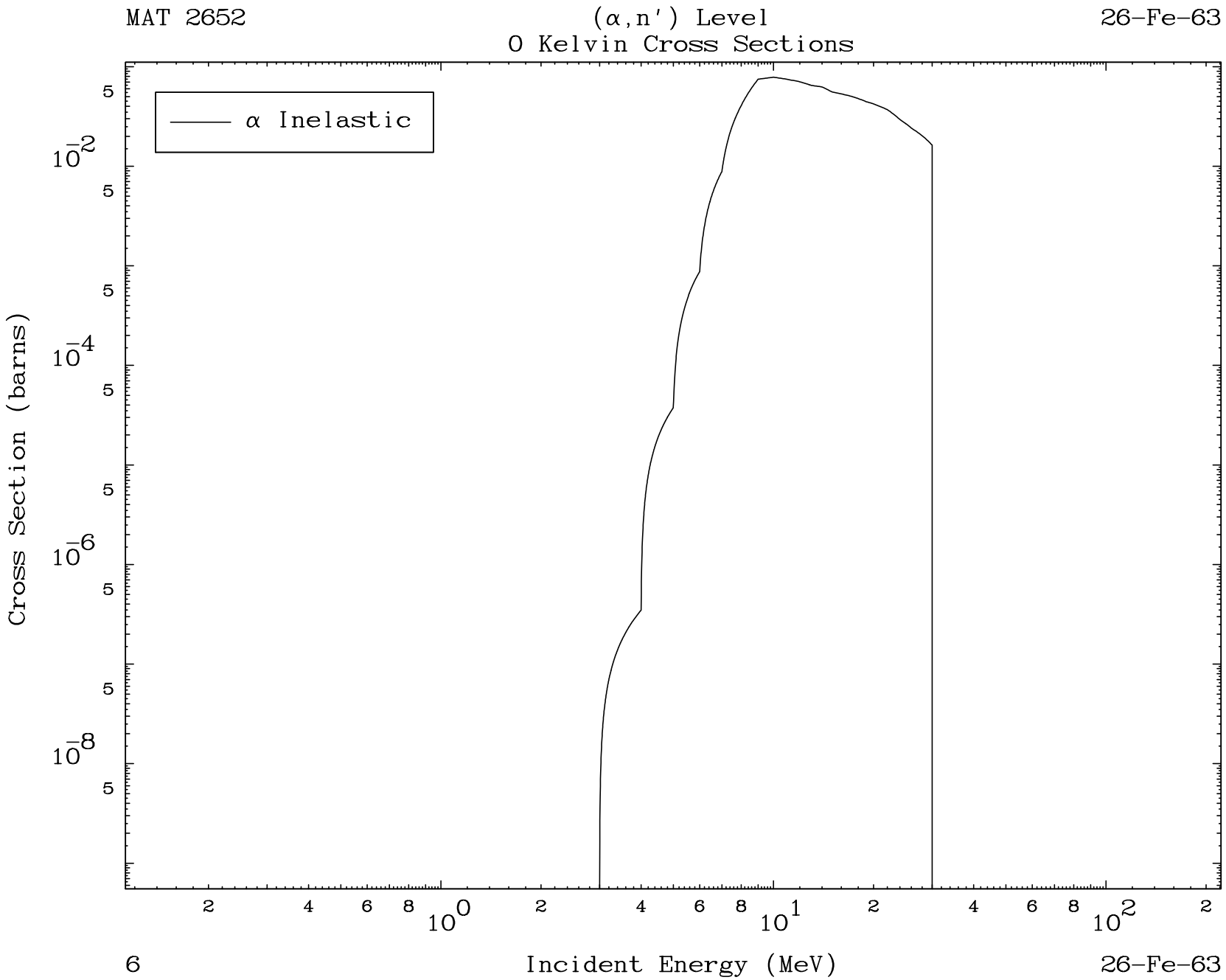

MAT 2652
α Major
26-Fe-63
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
26-Fe-63

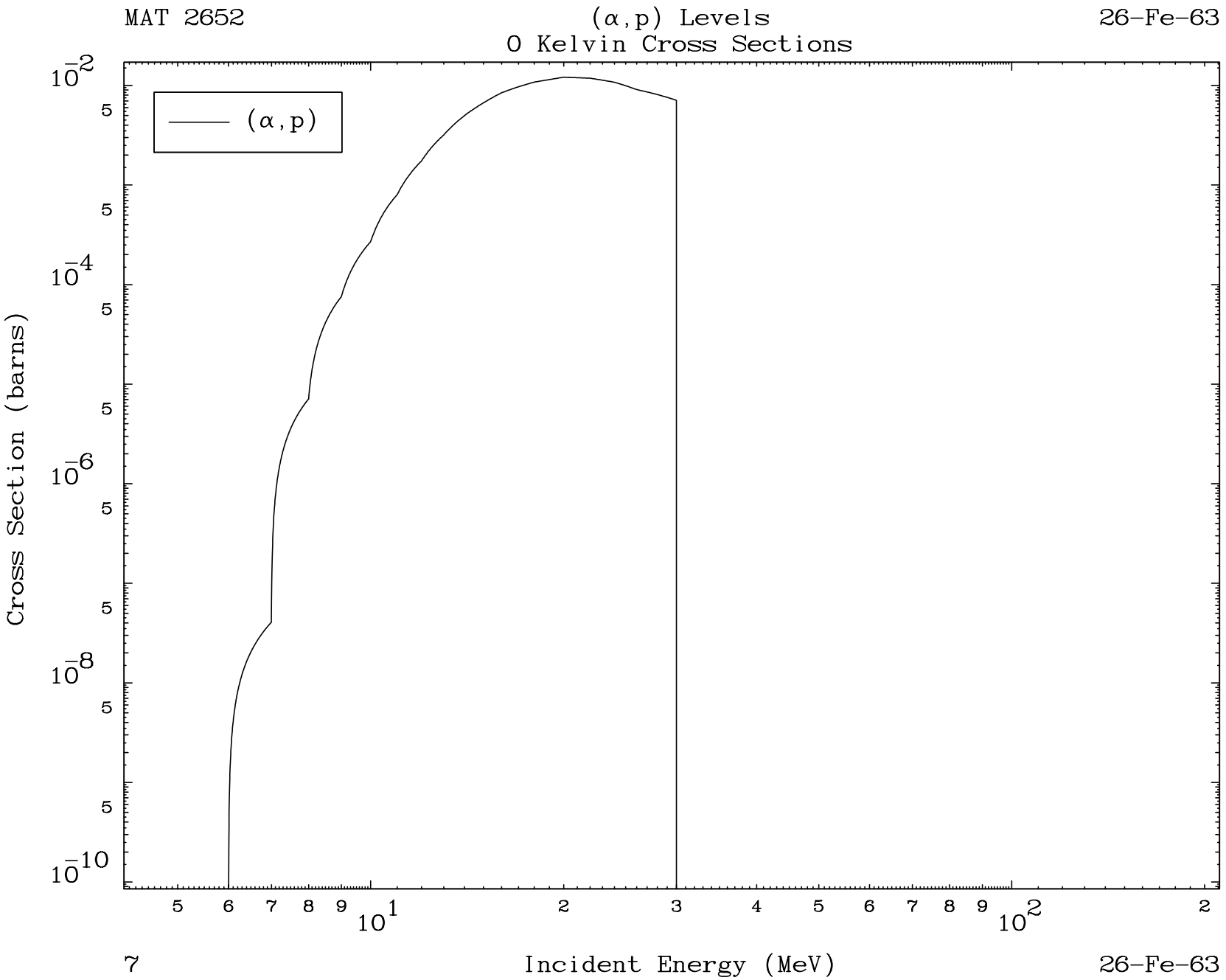

MAT 2652
α Neutron Production
0 Kelvin Cross Sections
26-Fe-63
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
26-Fe-63
2

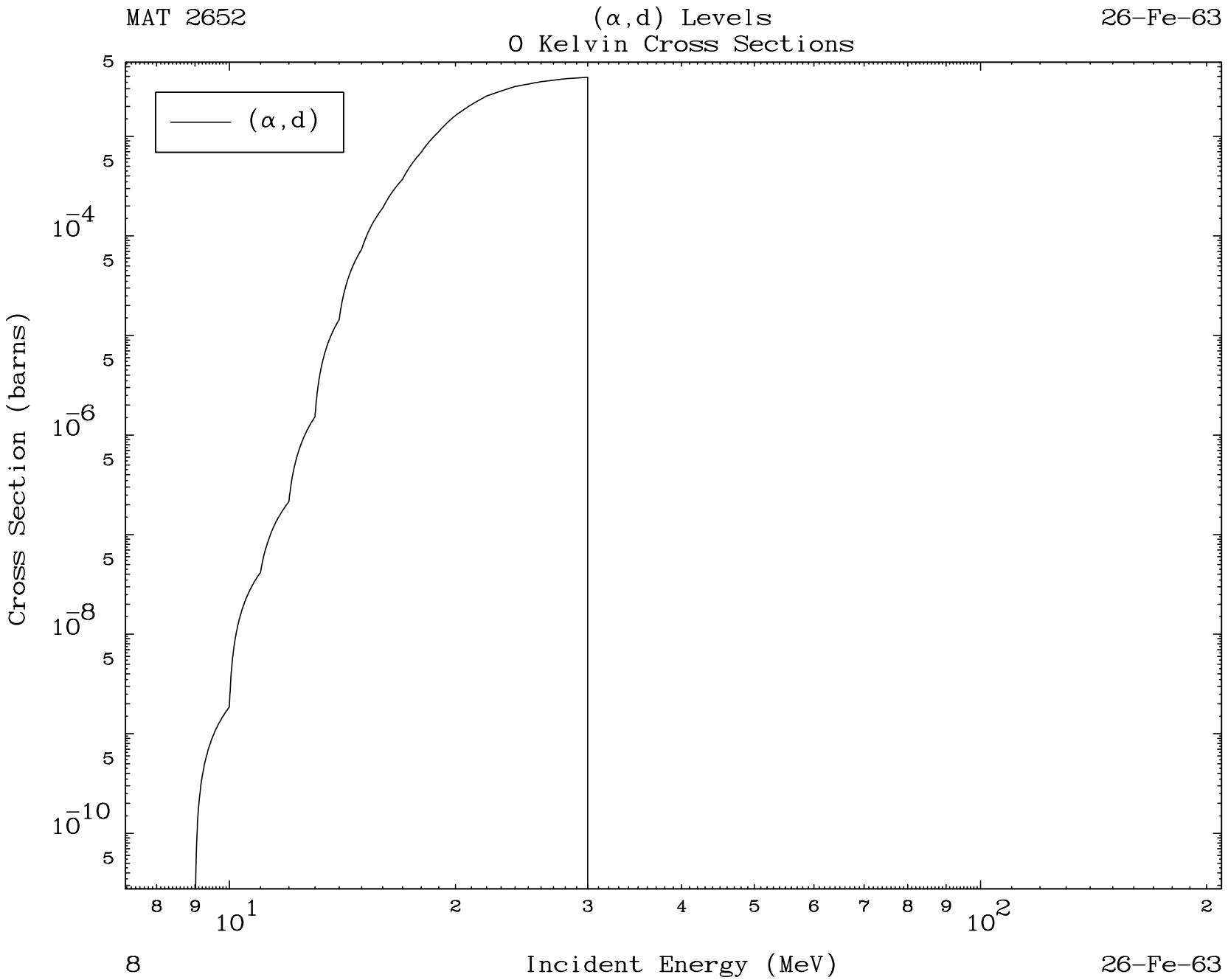

MAT 2652
α Neutron Production
0 Kelvin Cross Sections
26-Fe-63
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
3
26-Fe-63

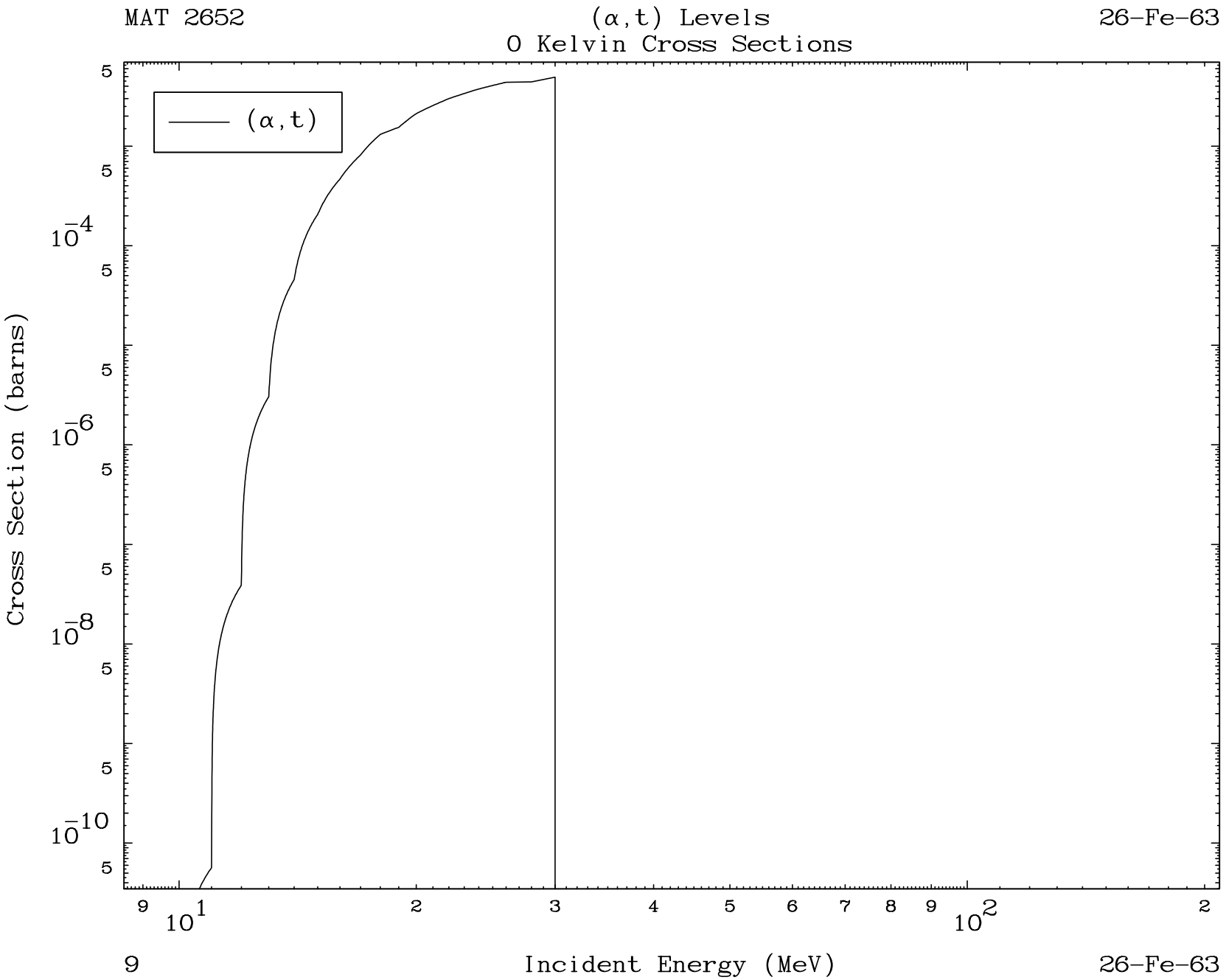

MAT 2652
α Charged Particle
0 Kelvin Cross Sections
26-Fe-63
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
4
26-Fe-63

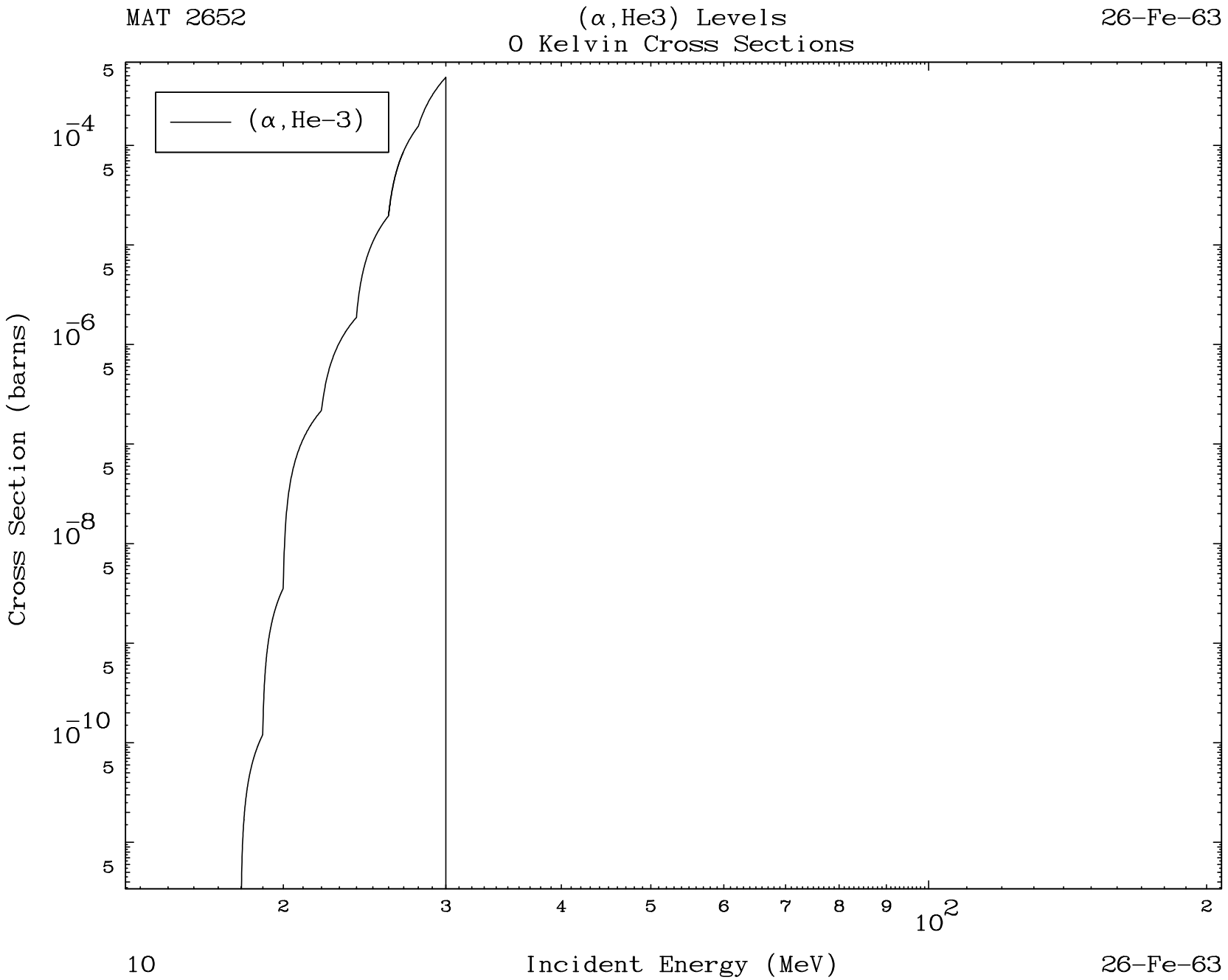

MAT 2652
α Charged Particle
0 Kelvin Cross Sections
26-Fe-63
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
5
26-Fe-63

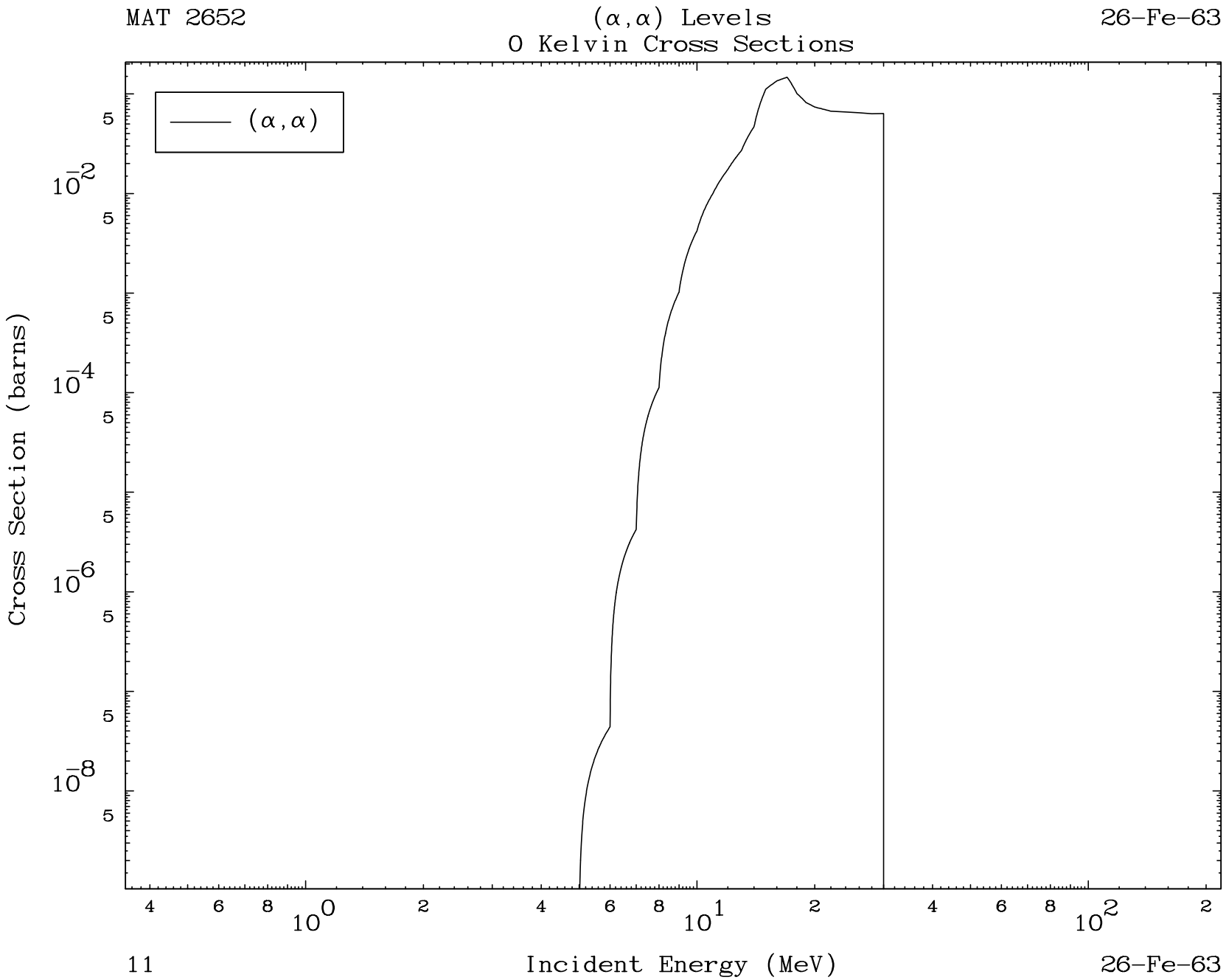

MAT 2652
(α,n') Level
26-Fe-63
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
26-Fe-63

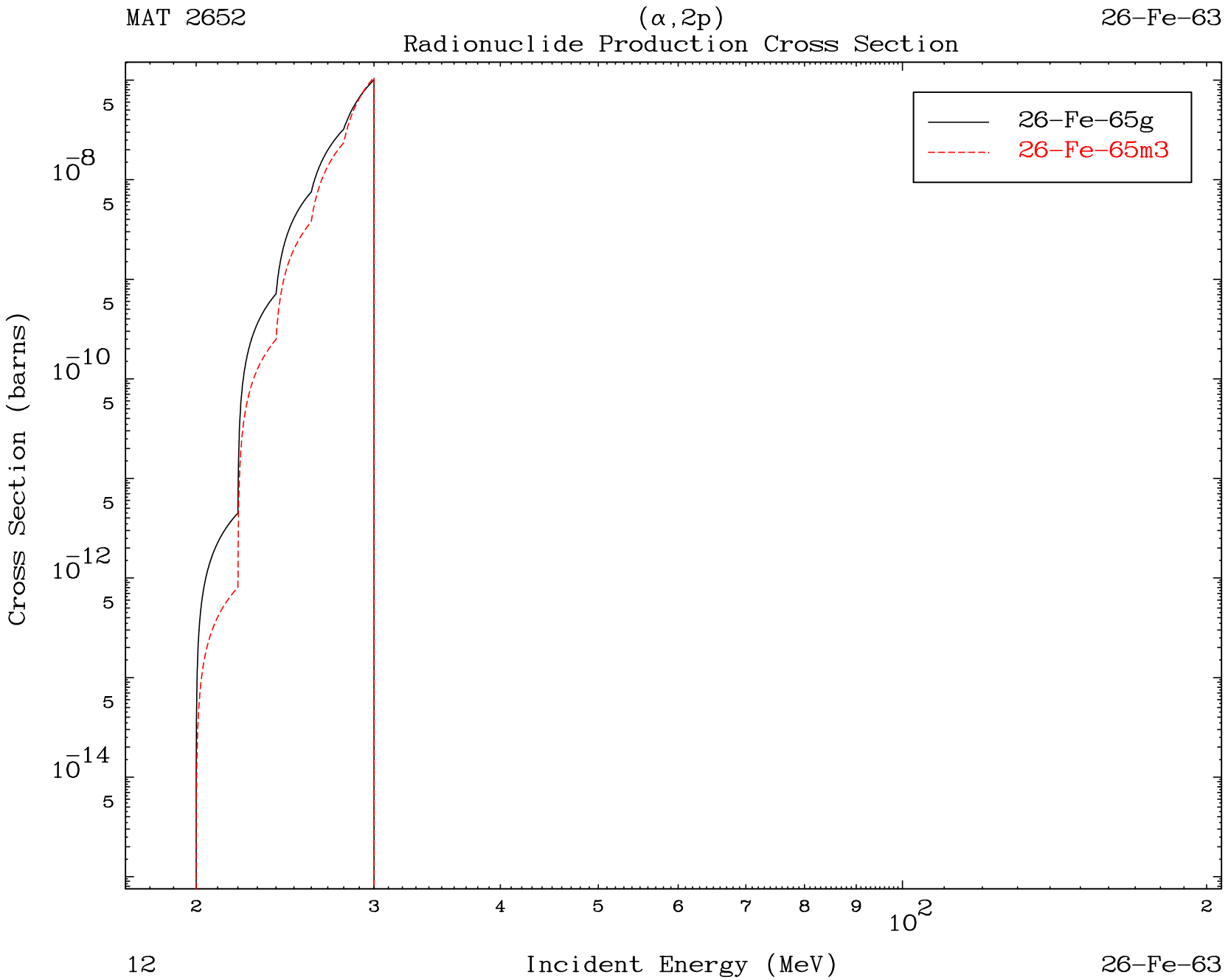

MAT 2652
(α,p) Levels
26-Fe-63
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
7
26-Fe-63


MAT 2652
(α,d) Levels
26-Fe-63
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
8
26-Fe-63


MAT 2652
(α,t) Levels
26-Fe-63
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
9
26-Fe-63


MAT 2652
(α,He3) Levels
26-Fe-63
0 Kelvin Cross Sections
(α,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)
26-Fe-63


MAT 2652
(α,α) Levels
26-Fe-63
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
11
26-Fe-63


MAT 2652
(α,2p)
26-Fe-63
Radionuclide Production Cross Section
26-Fe-65g
26-Fe-65m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
26-Fe-63