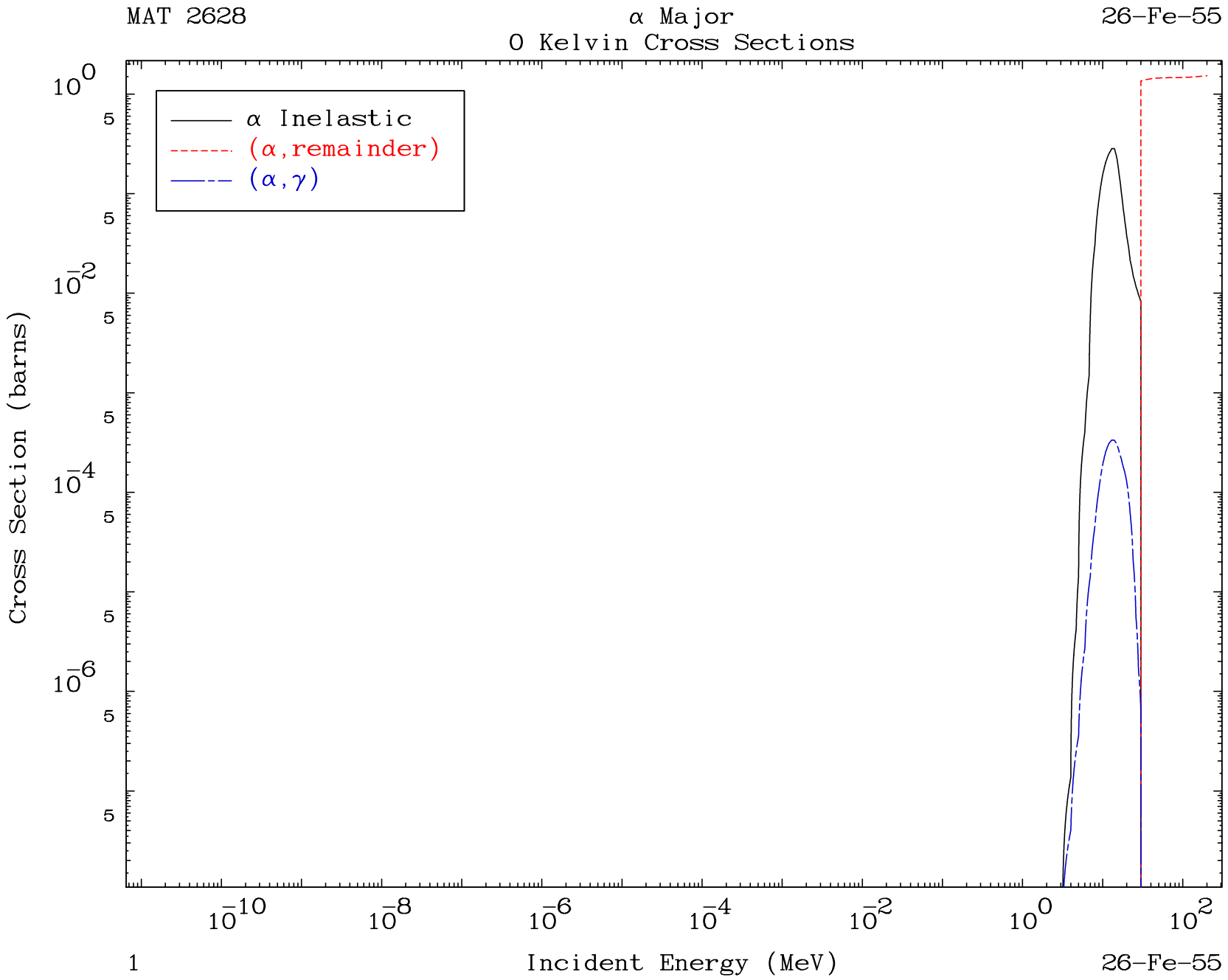
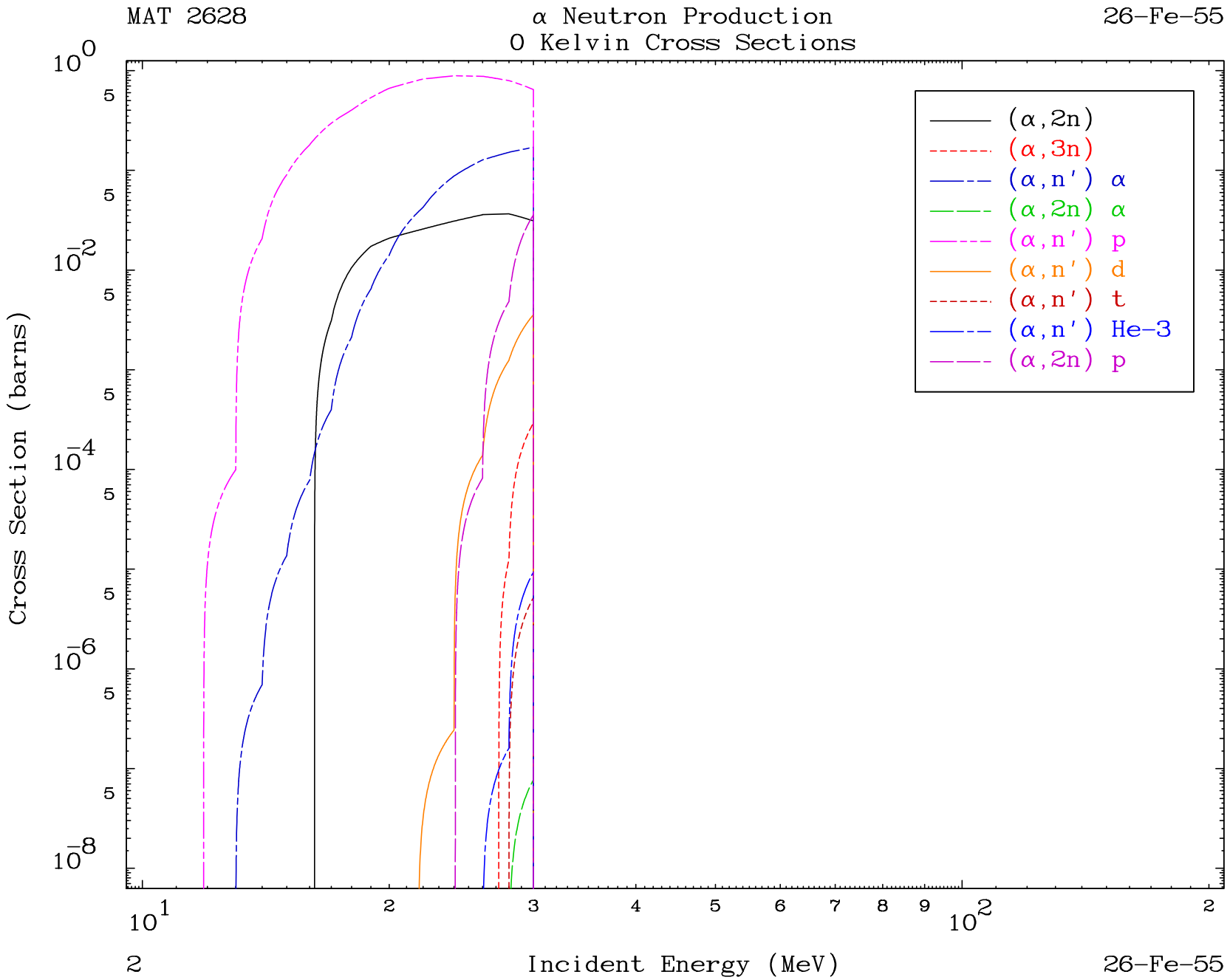
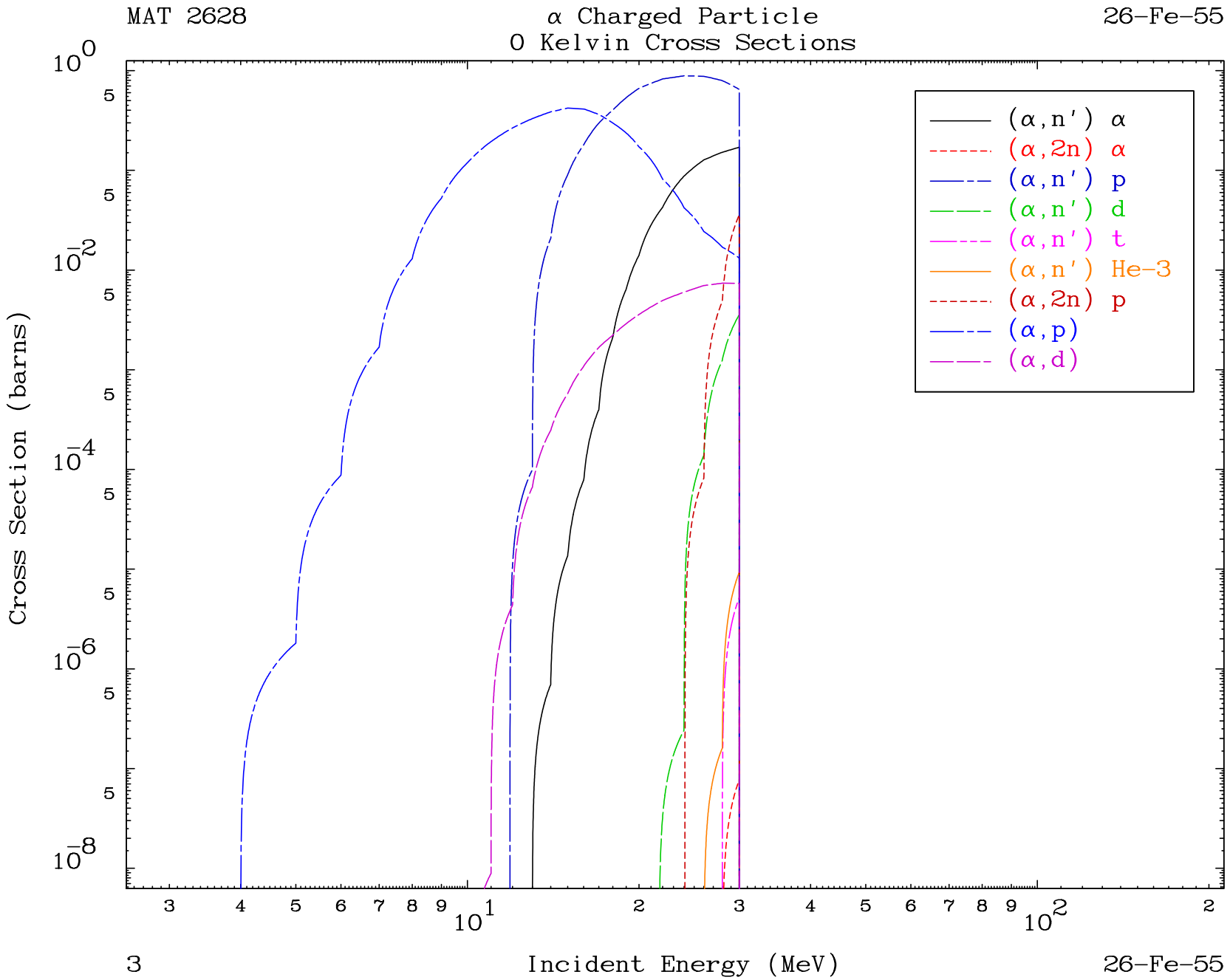
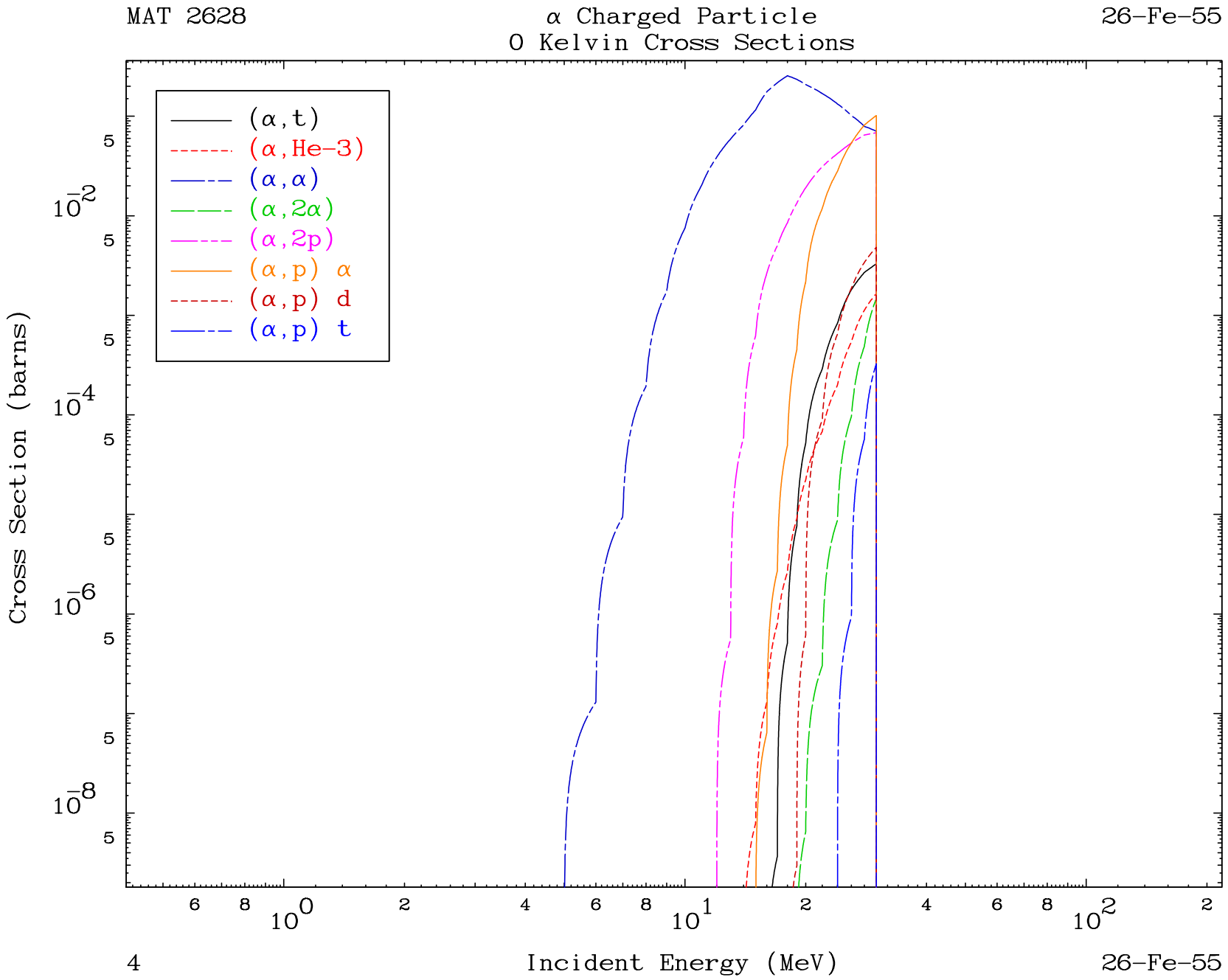
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

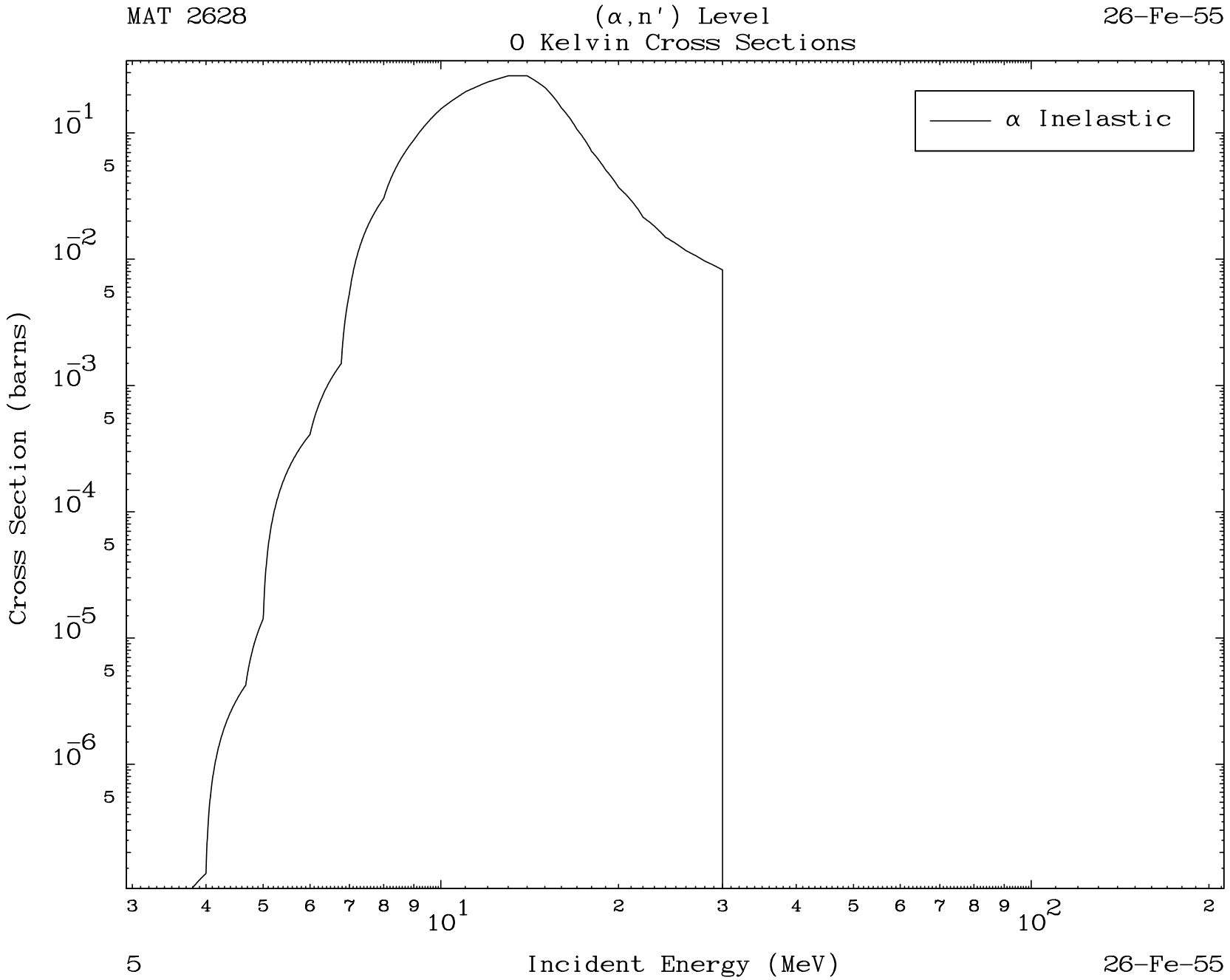
Press Mouse Button to Start

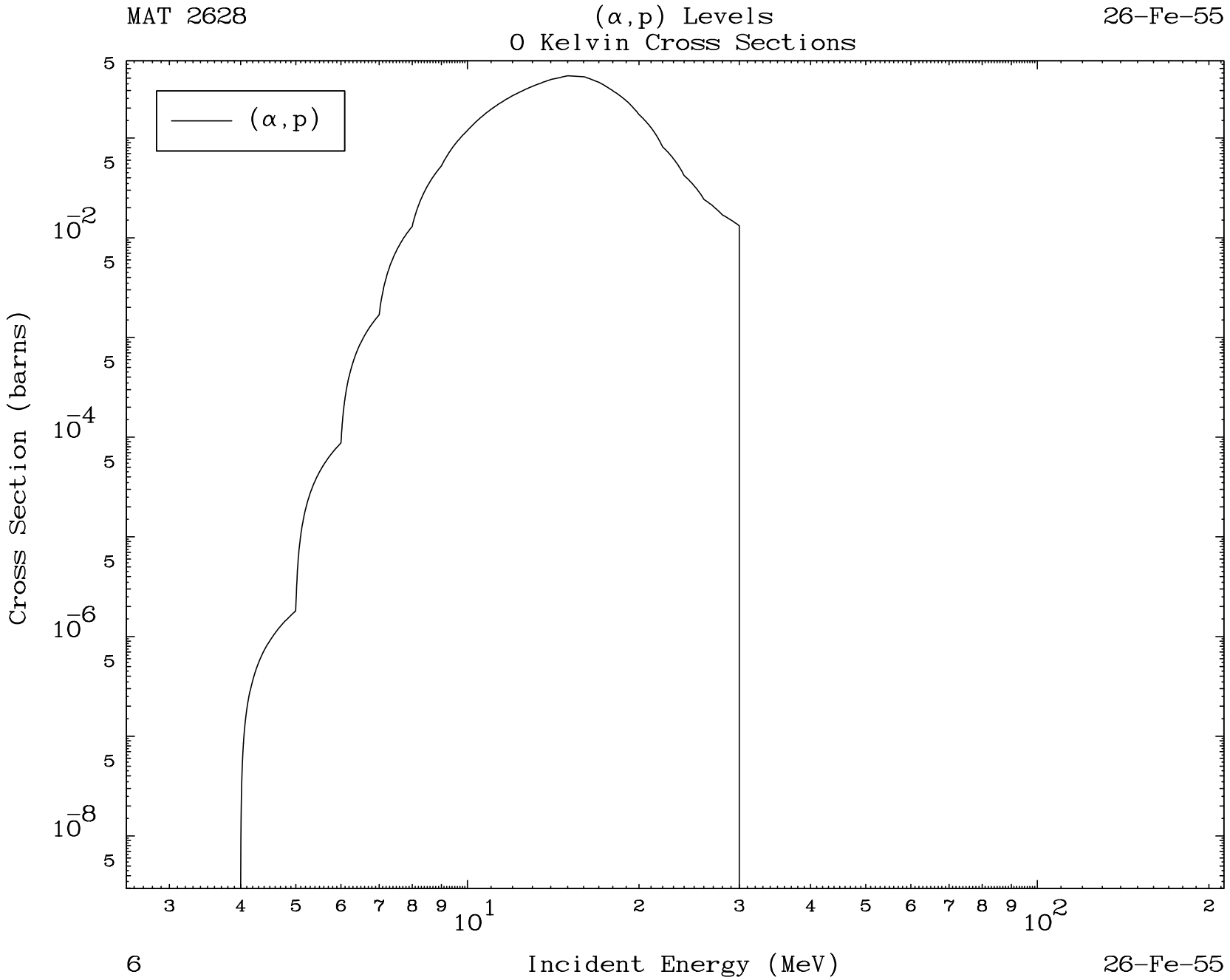

MAT 2628
α Major
26-Fe-55
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
26-Fe-55

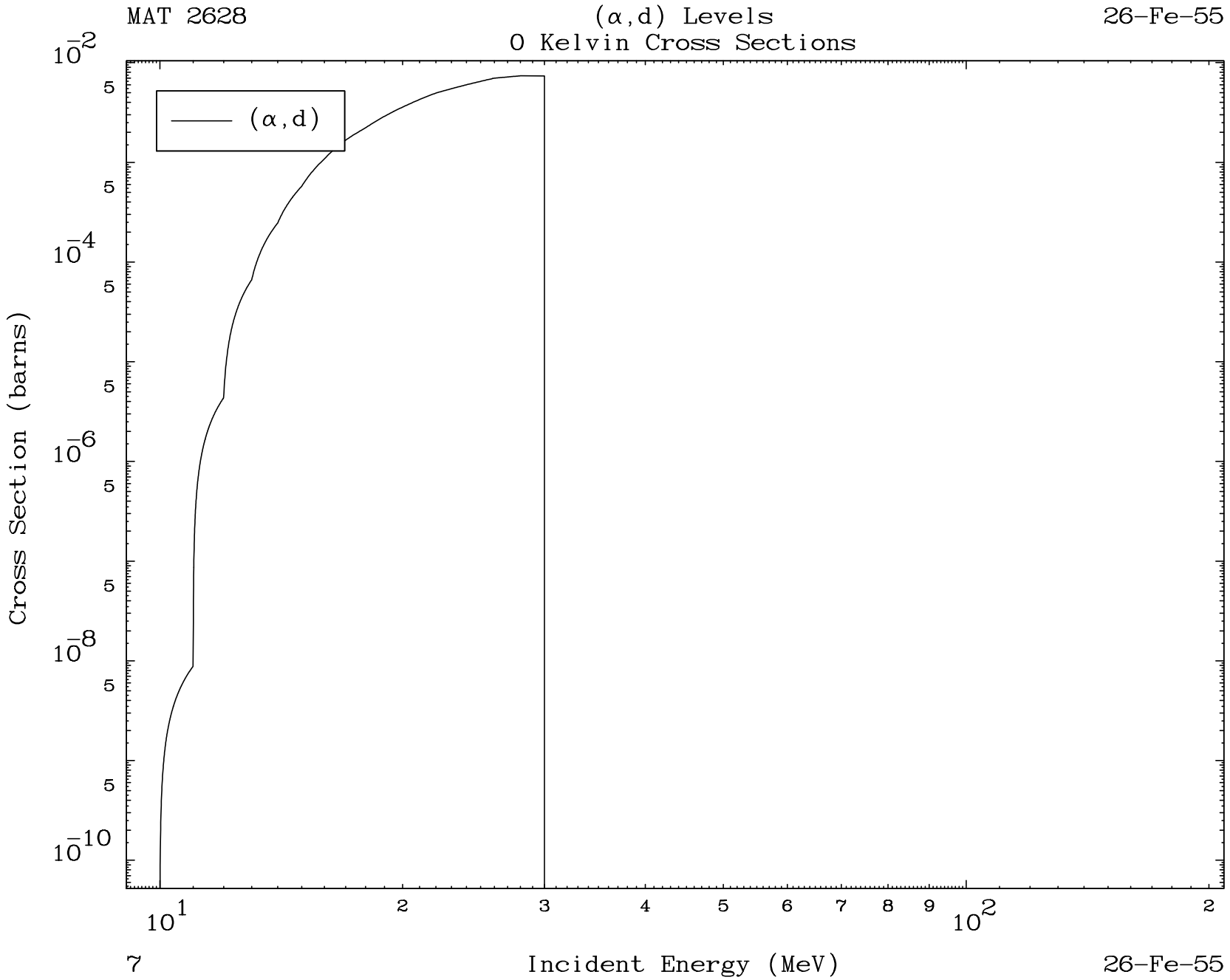

MAT 2628
α Neutron Production
0 Kelvin Cross Sections
26-Fe-55
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

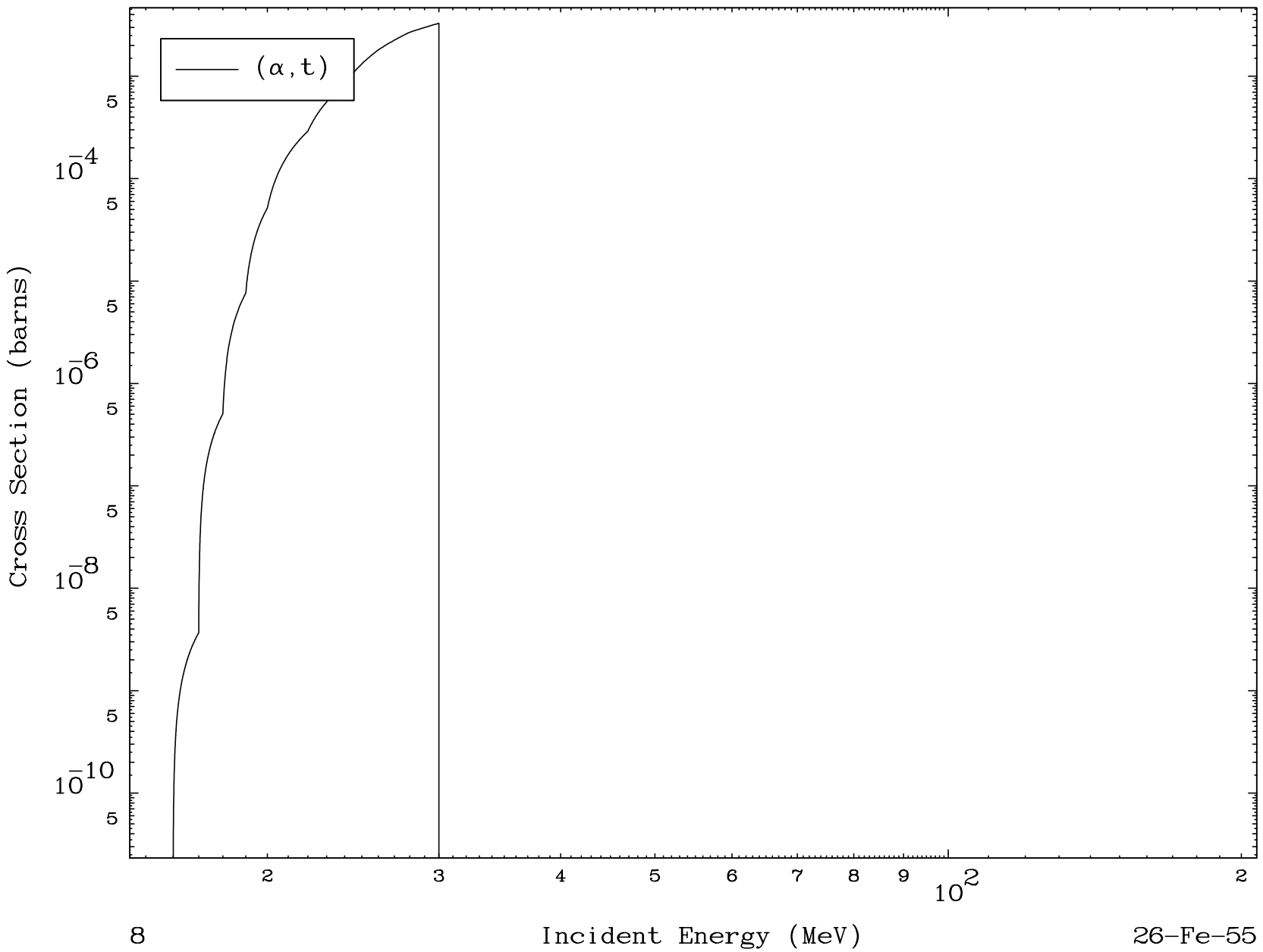

MAT 2628
α Charged Particle
0 Kelvin Cross Sections
26-Fe-55
Cross Section (barns)
Incident Energy (MeV)
3
26-Fe-55
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)

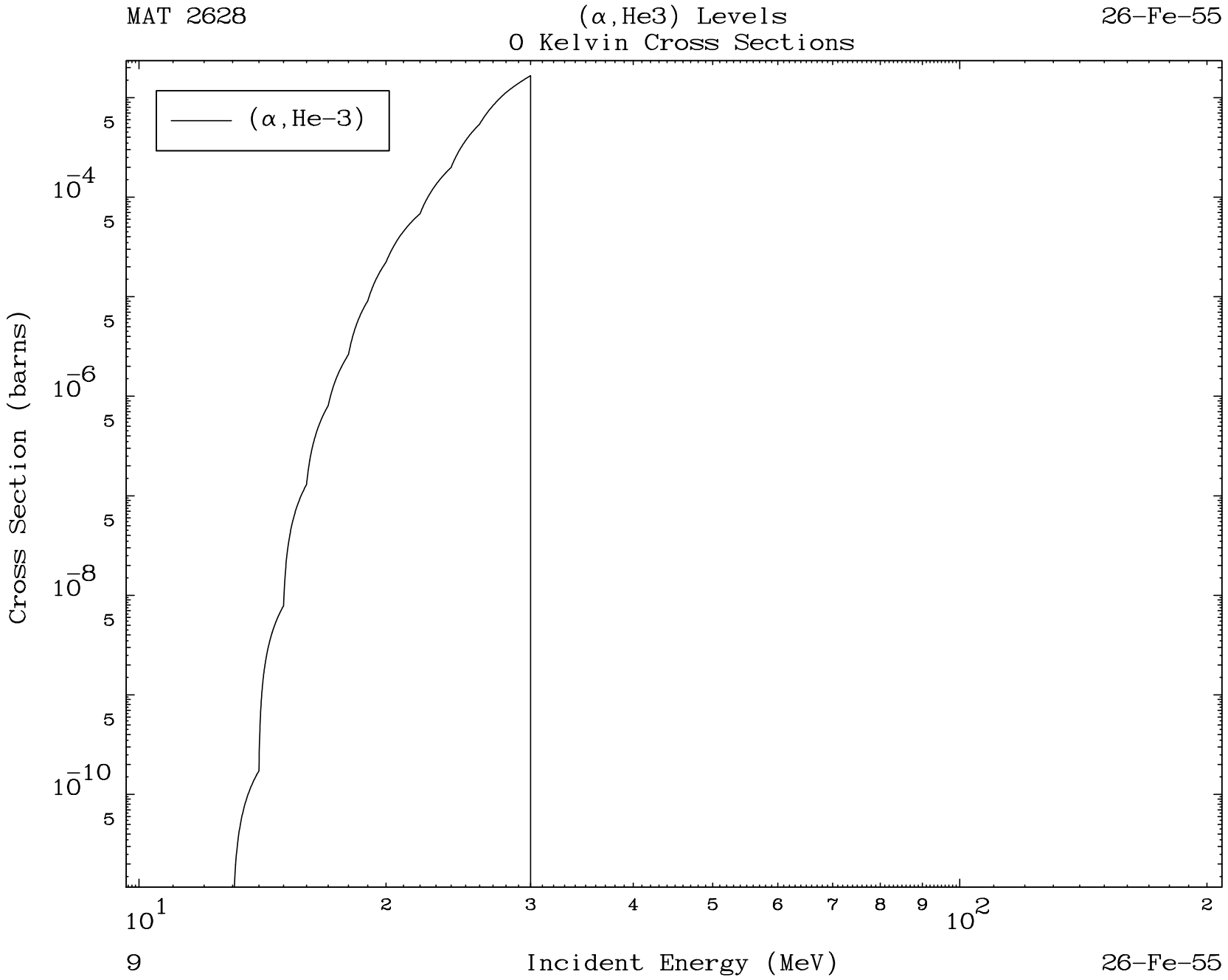

MAT 2628
α Charged Particle
0 Kelvin Cross Sections
26-Fe-55
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
26-Fe-55

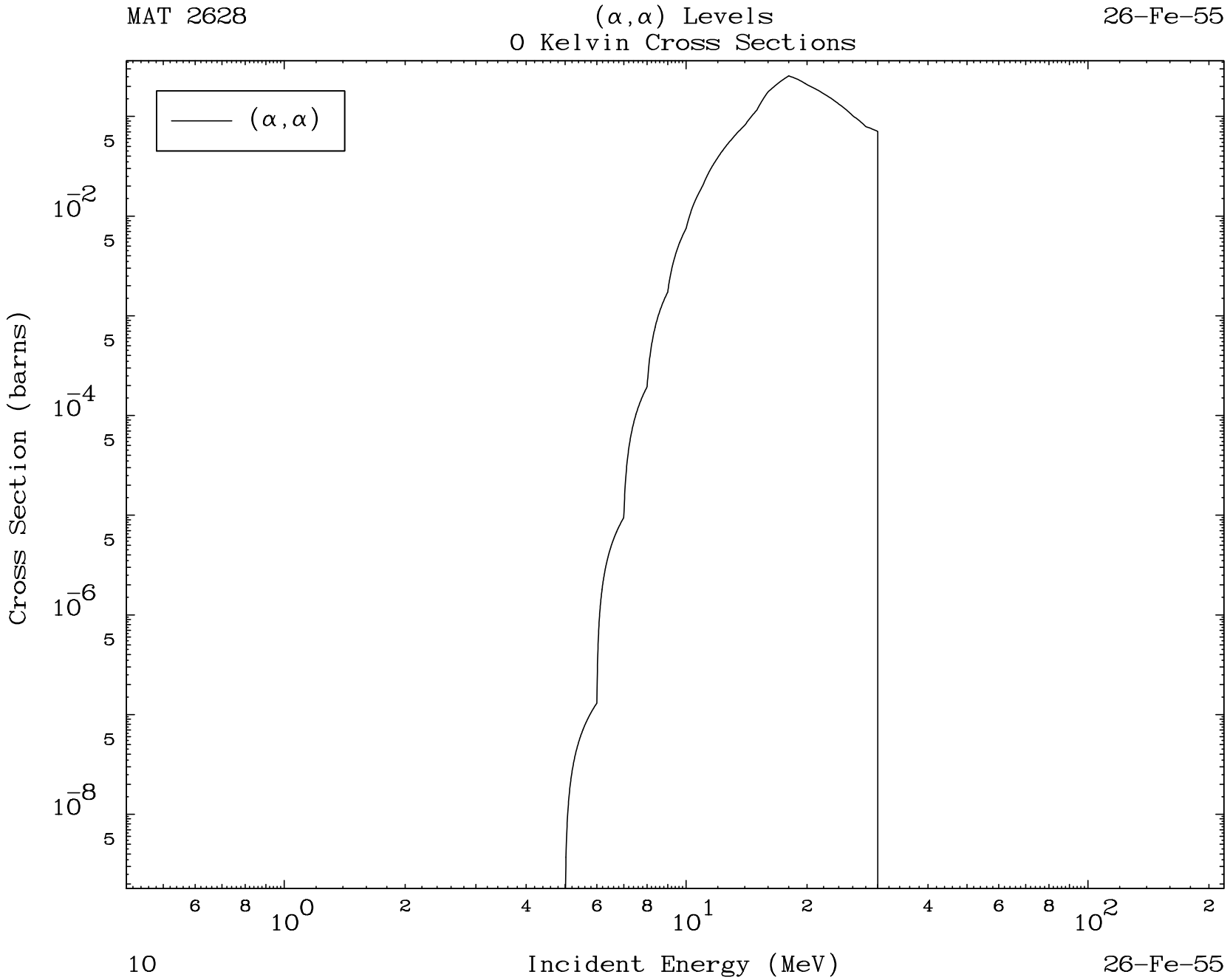

MAT 2628
(α,n') Level
26-Fe-55
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
26-Fe-55

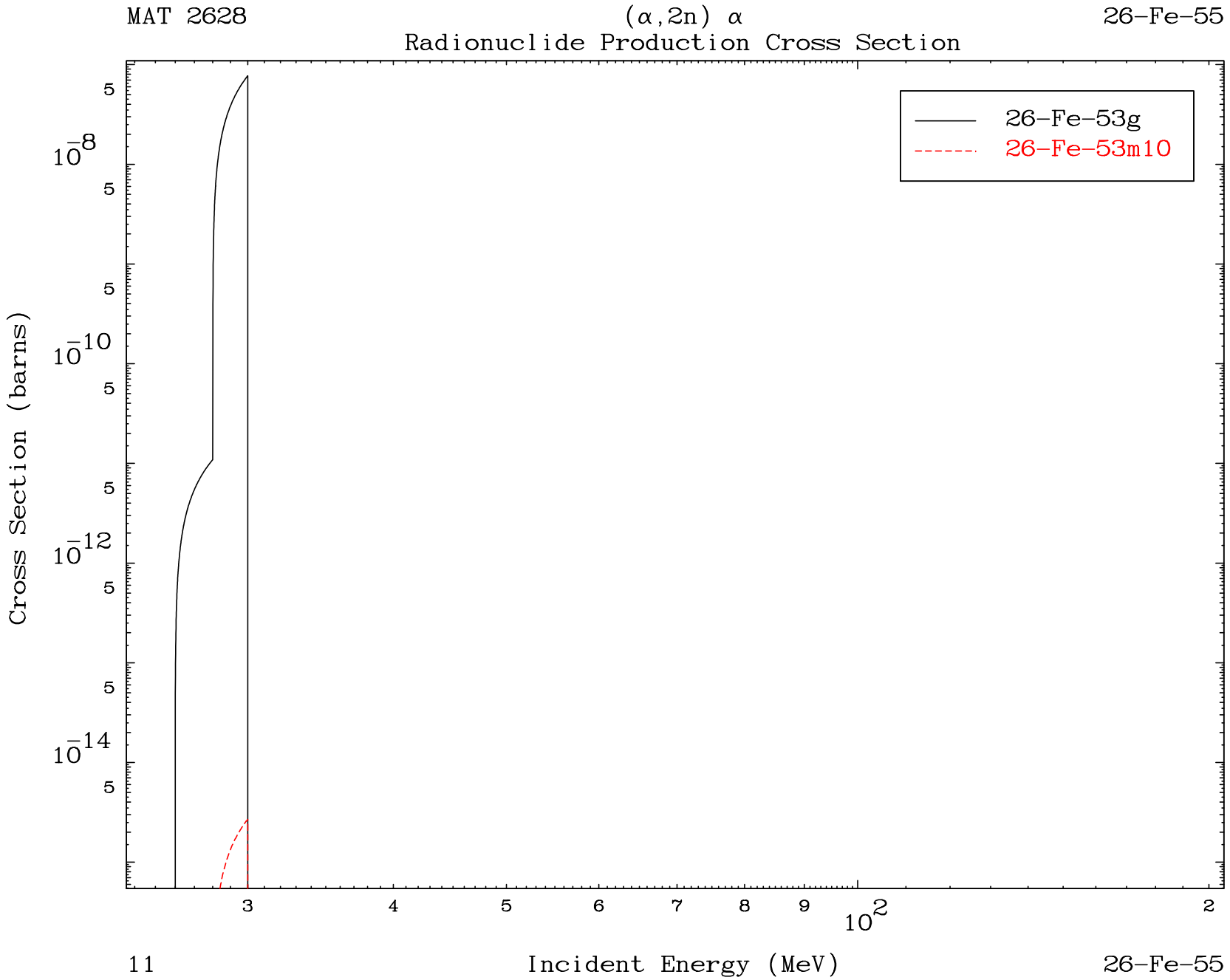

MAT 2628
(α,p) Levels
26-Fe-55
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
26-Fe-55

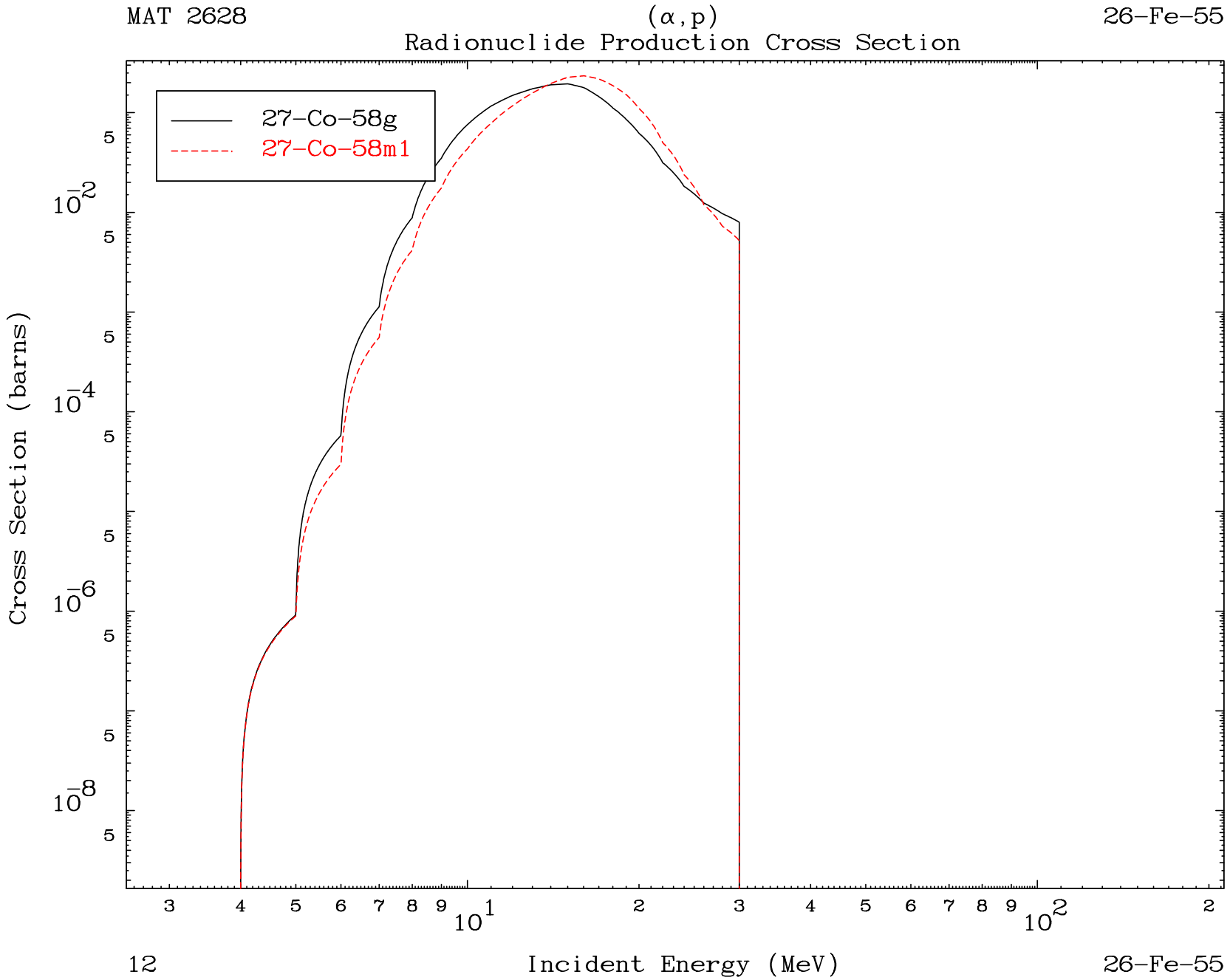

MAT 2628
(α,d) Levels
26-Fe-55
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
26-Fe-55


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


MAT 2628
(α,He3) Levels
26-Fe-55
0 Kelvin Cross Sections
(α,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)
9
26-Fe-55


MAT 2628
(α,α) Levels
26-Fe-55
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁰
10¹
10²
Incident Energy (MeV)
10
26-Fe-55


MAT 2628
(α,2n) α
26-Fe-55
Radionuclide Production Cross Section
26-Fe-53g
26-Fe-53m10
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
26-Fe-55


MAT 2628
(α,p)
26-Fe-55
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
12
26-Fe-55