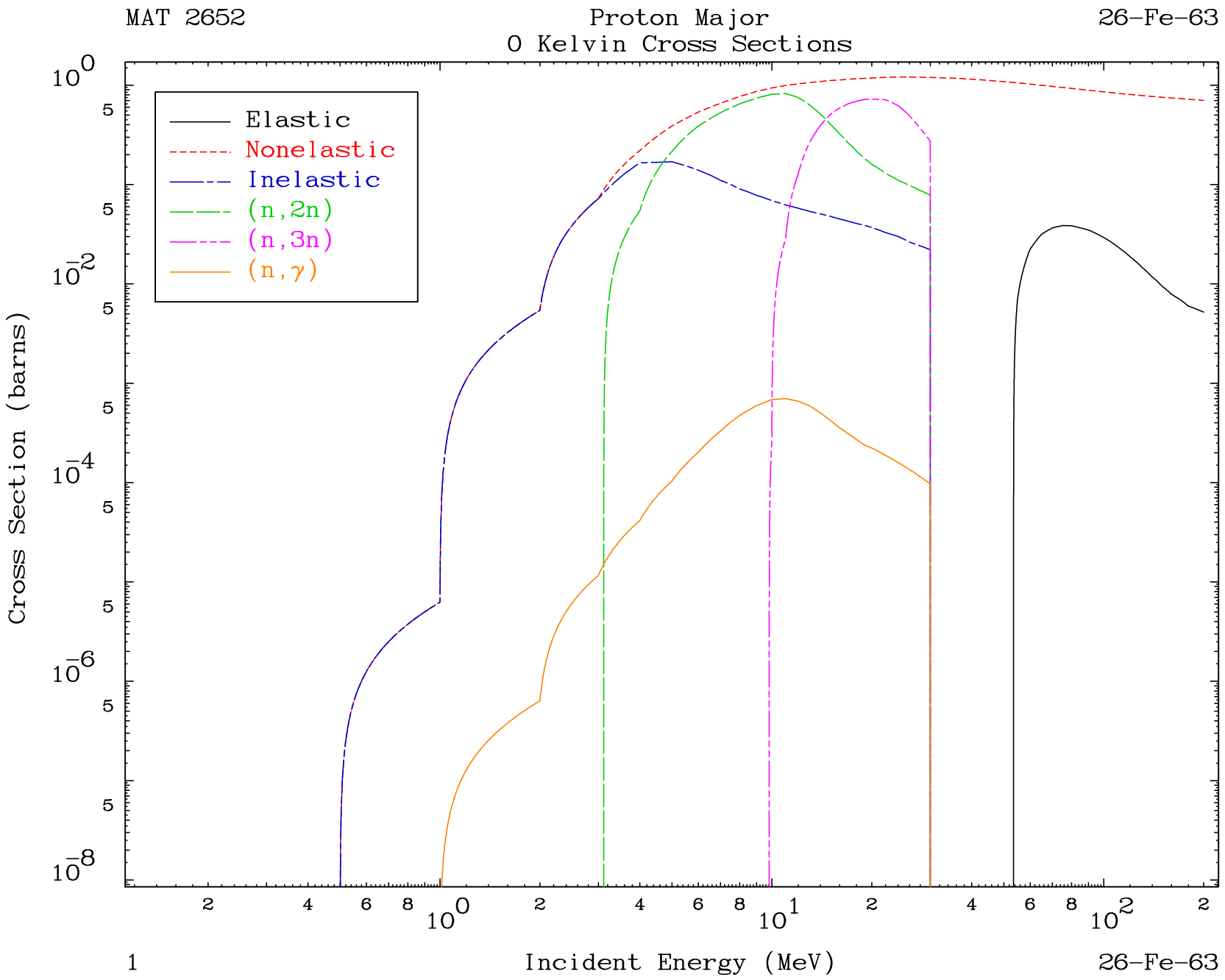
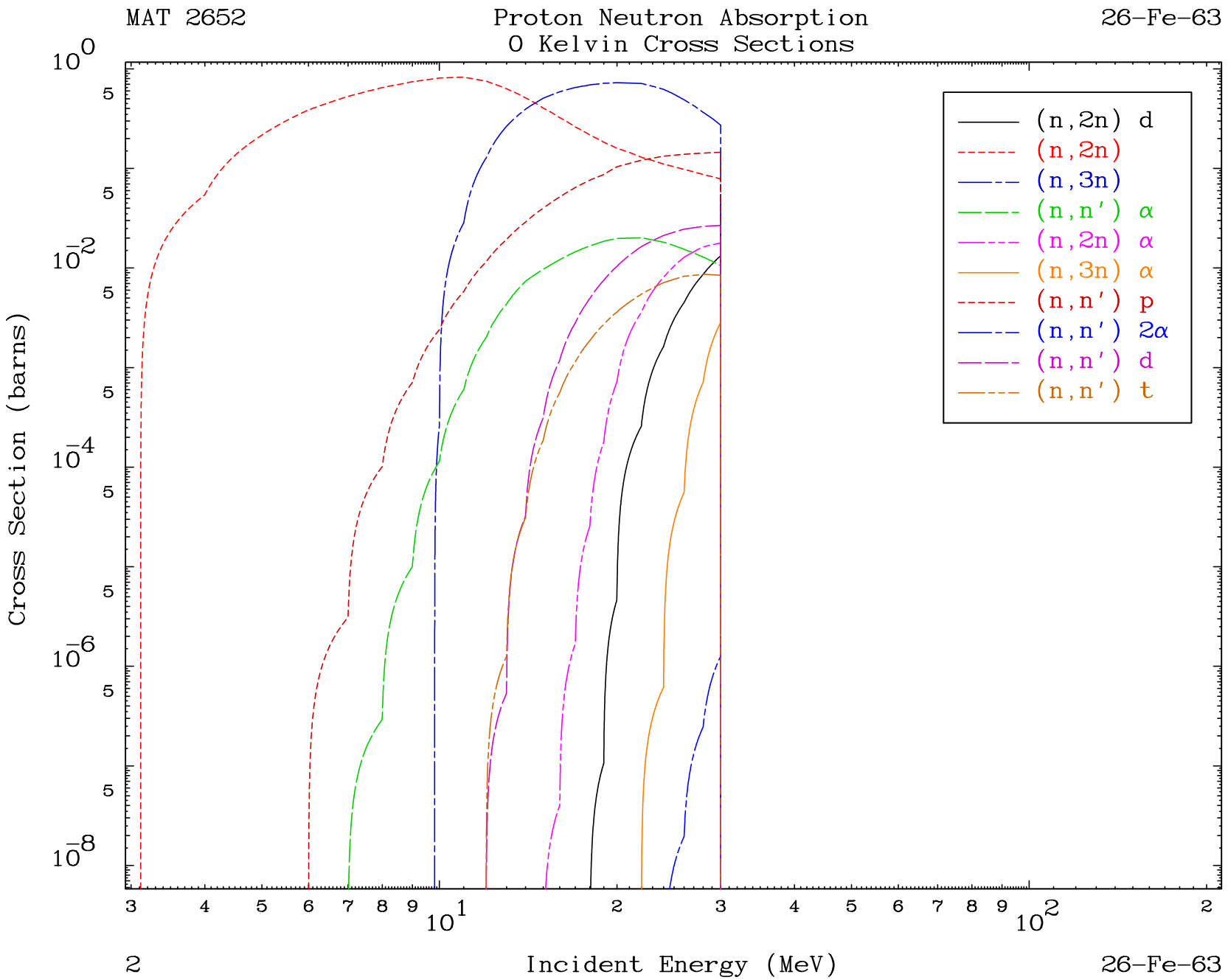
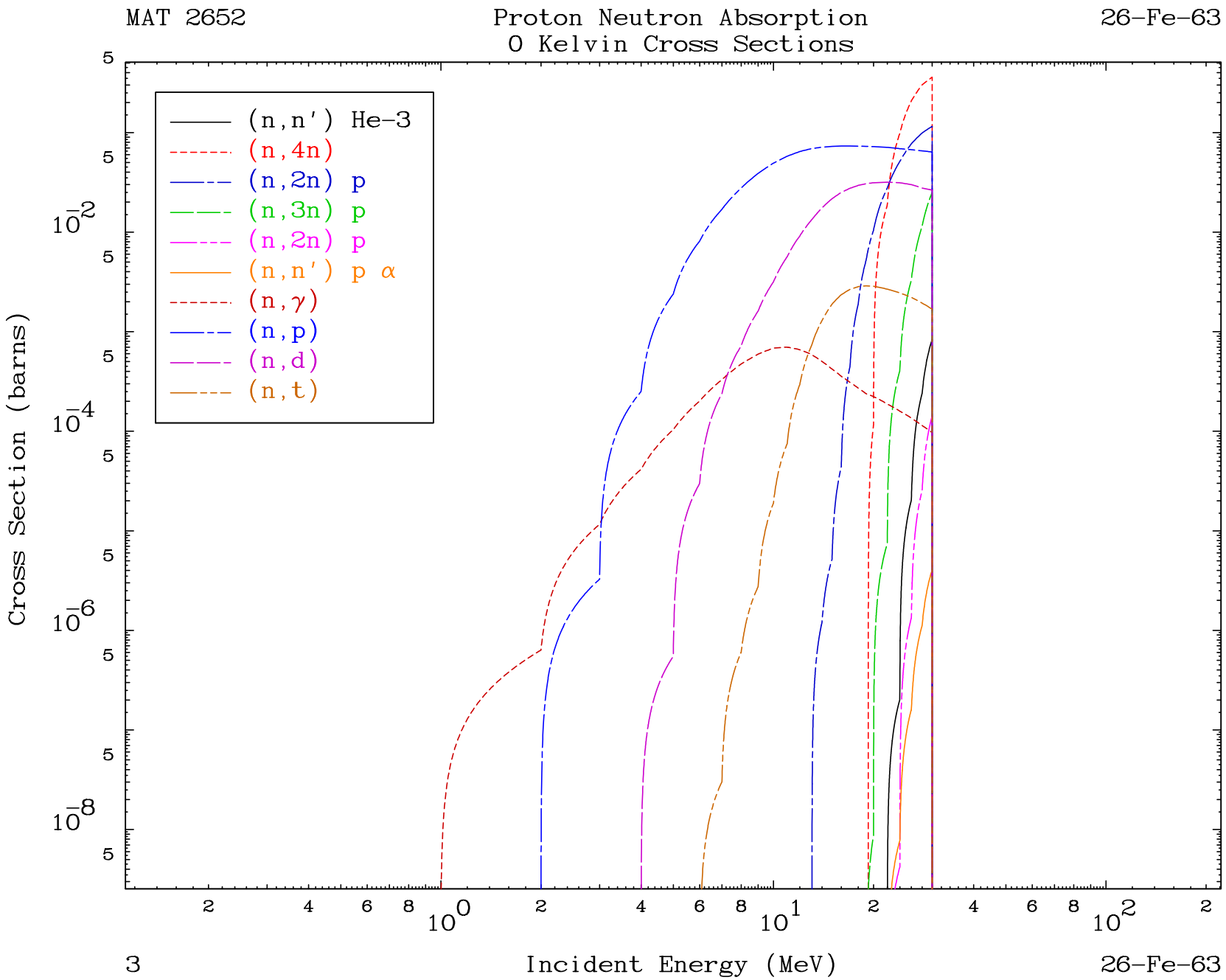
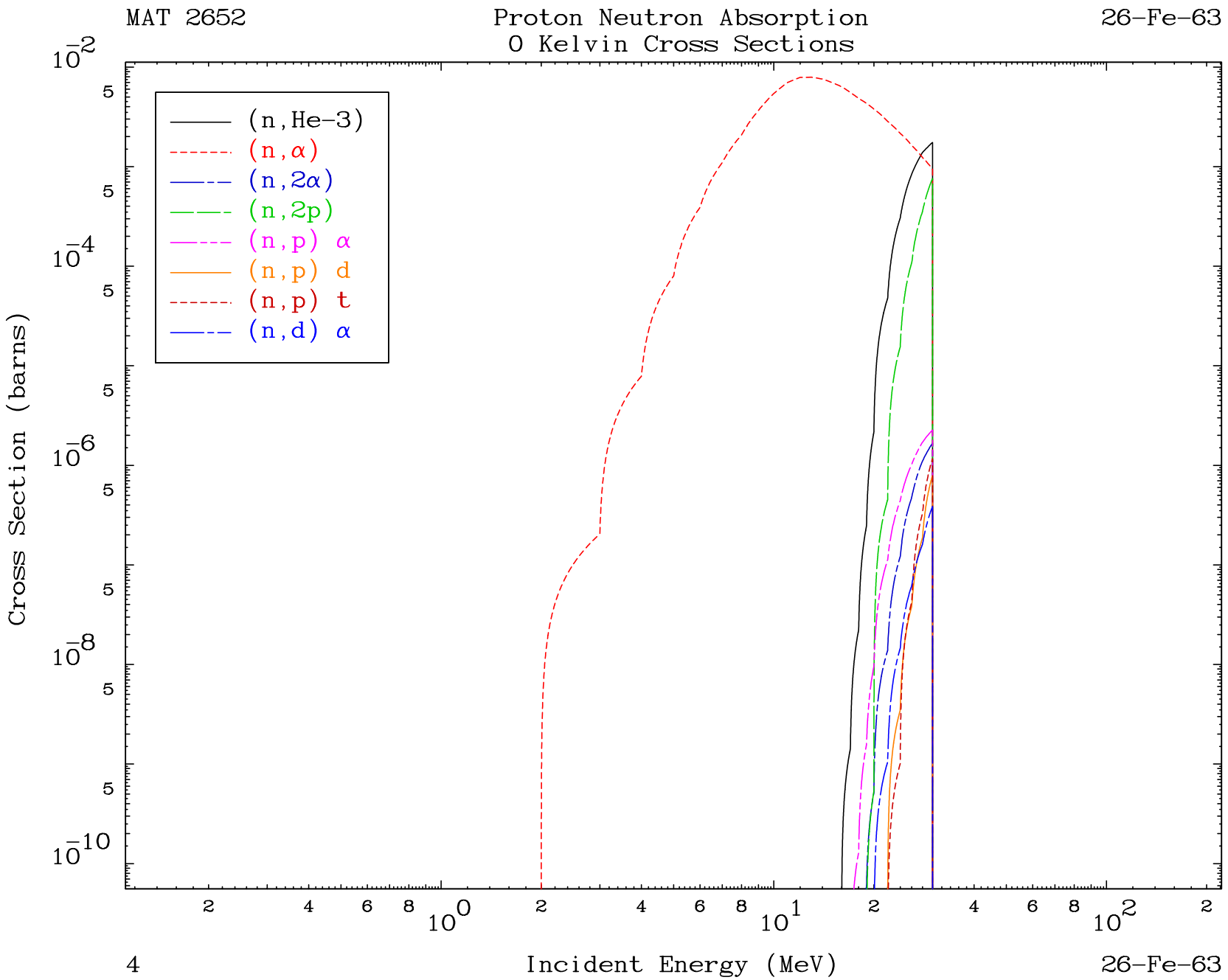
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

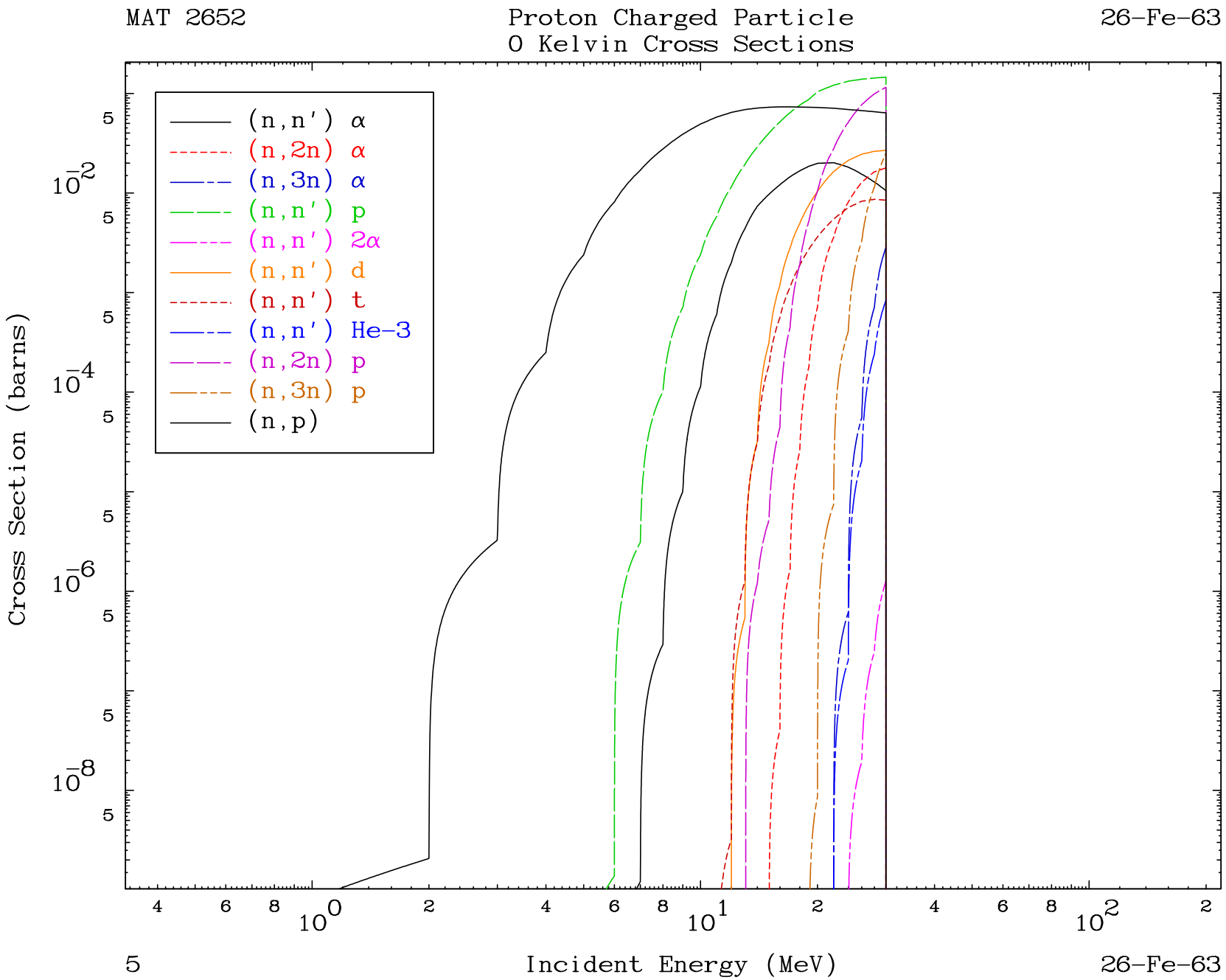
Press Mouse Button to Start

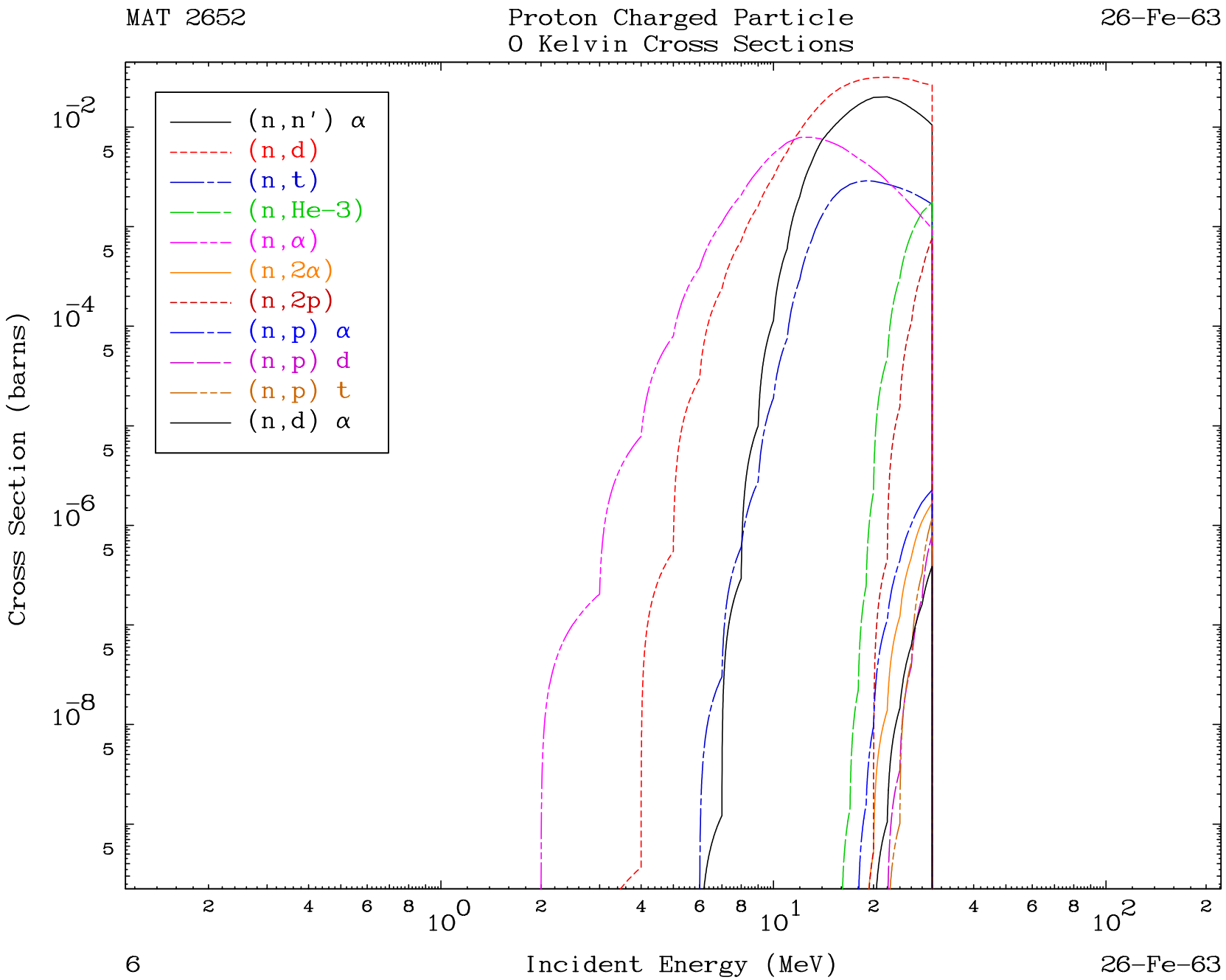

MAT 2652
Proton Major
26-Fe-63
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
26-Fe-63

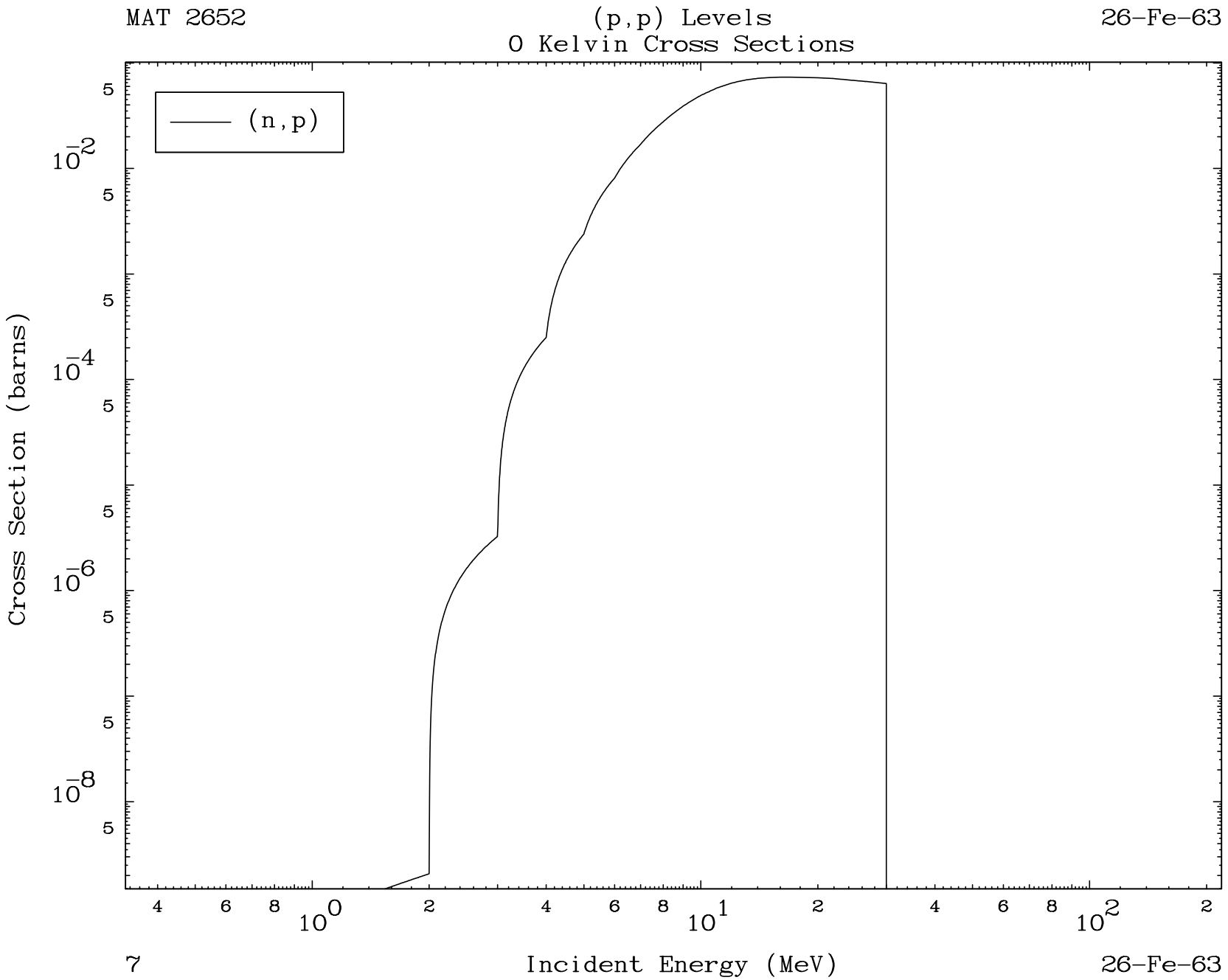

MAT 2652
Proton Neutron Absorption
0 Kelvin Cross Sections
26-Fe-63
Cross Section (barns)
Incident Energy (MeV)
26-Fe-63
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

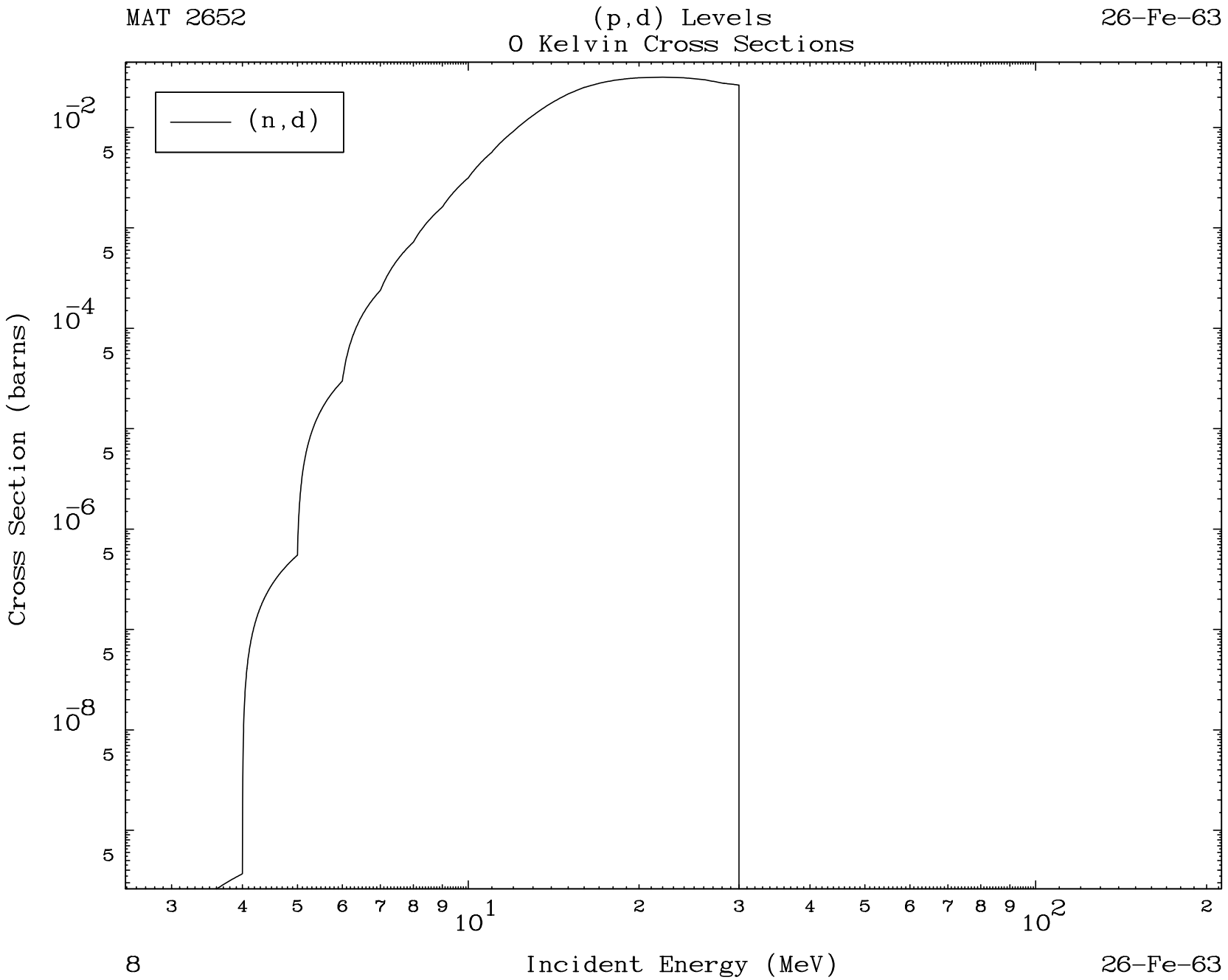

MAT 2652
Proton Neutron Absorption
0 Kelvin Cross Sections
26-Fe-63
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
26-Fe-63

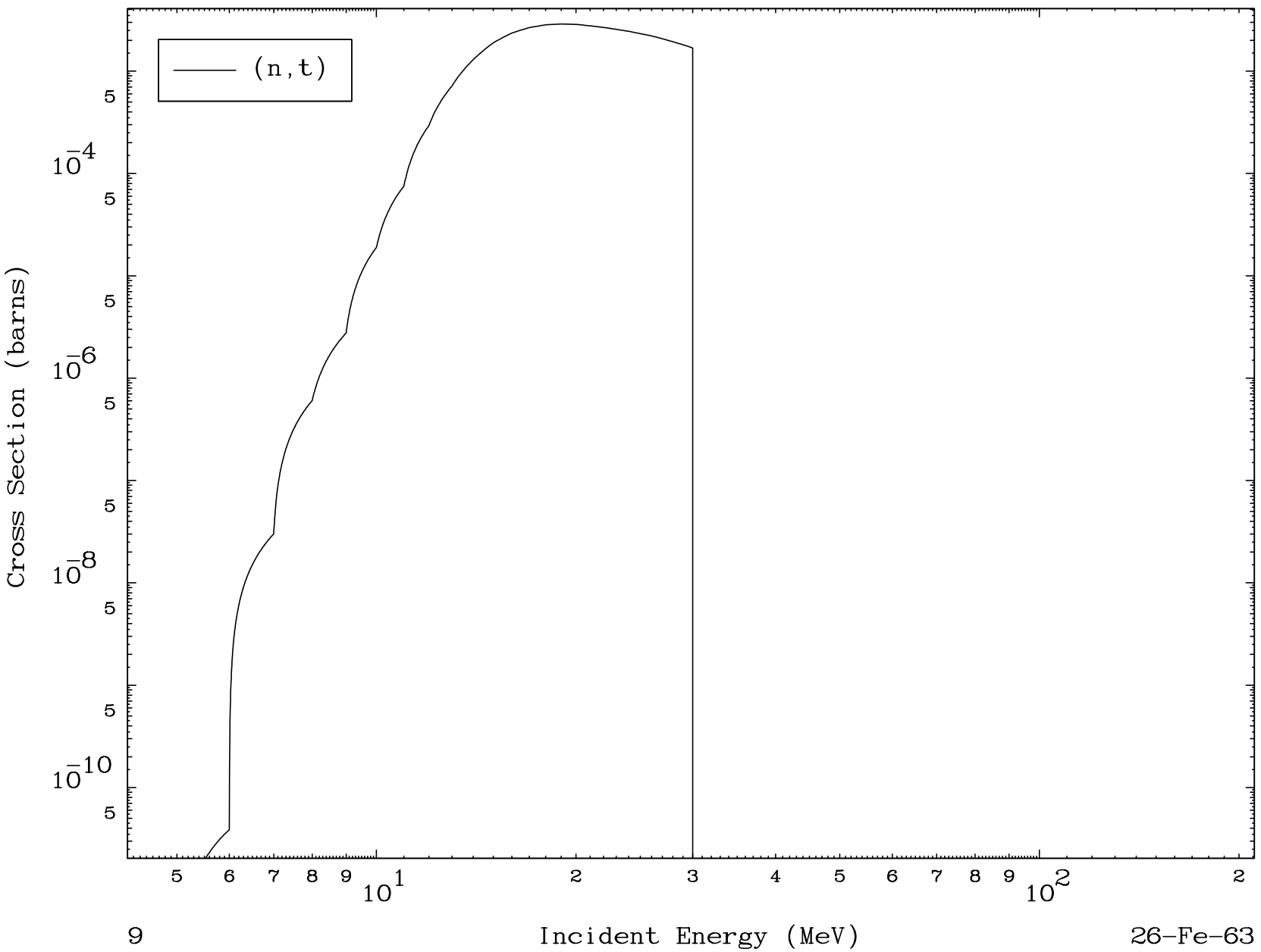

MAT 2652
Proton Neutron Absorption
0 Kelvin Cross Sections
26-Fe-63
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
26-Fe-63

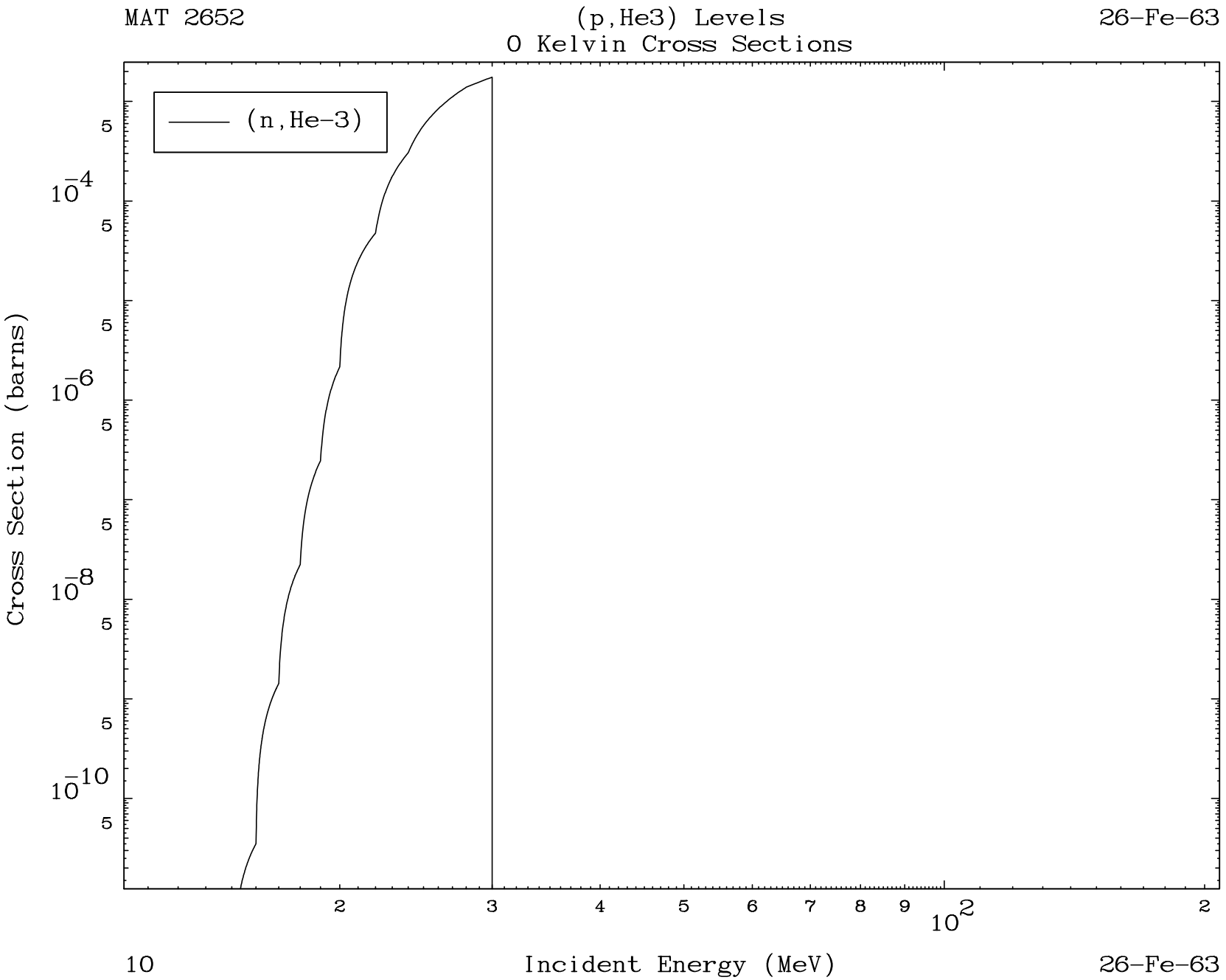

MAT 2652
Proton Charged Particle
0 Kelvin Cross Sections
26-Fe-63
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
26-Fe-63

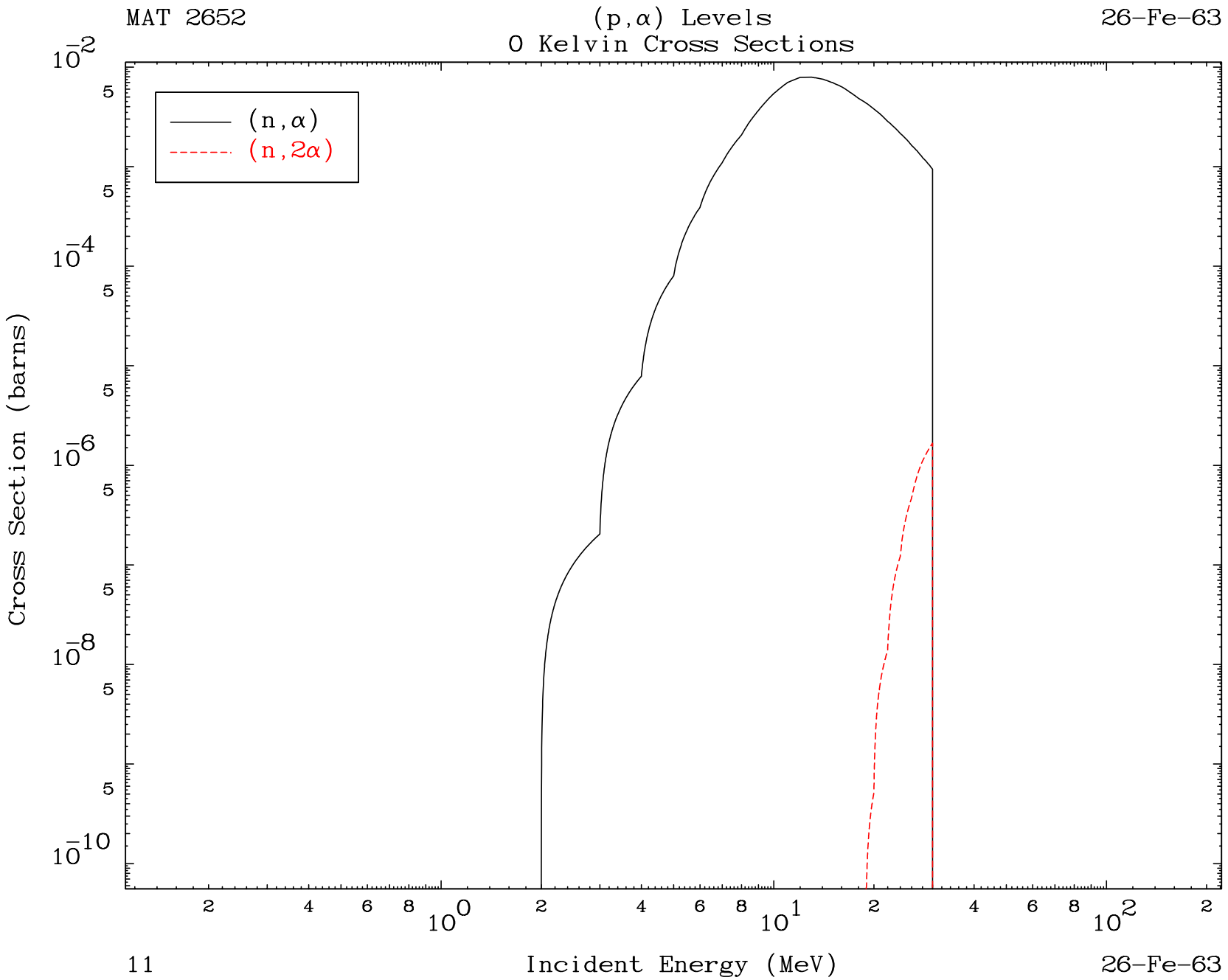

MAT 2652
Proton Charged Particle
0 Kelvin Cross Sections
26-Fe-63
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
26-Fe-63

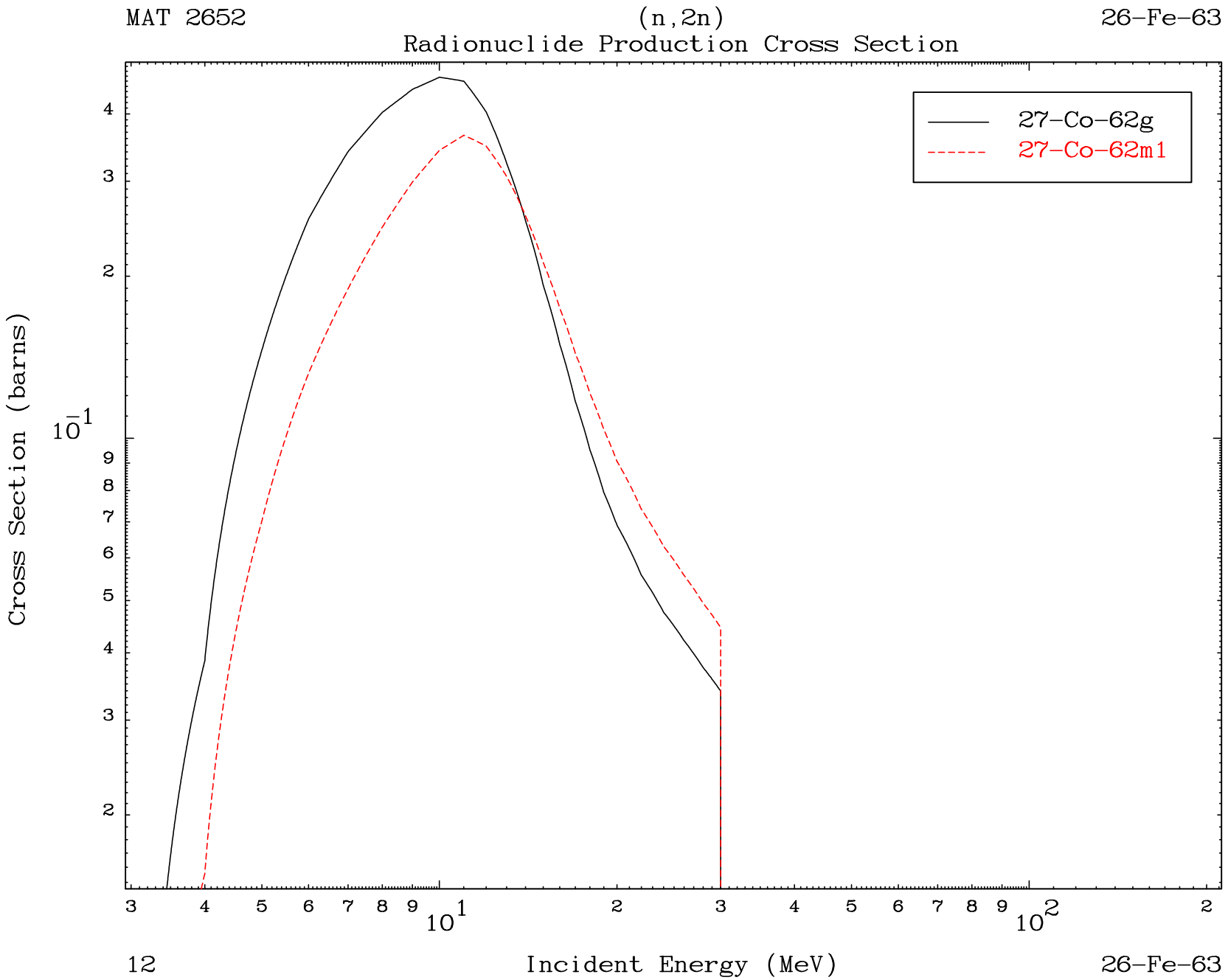

MAT 2652
(p,p) Levels
26-Fe-63
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
26-Fe-63

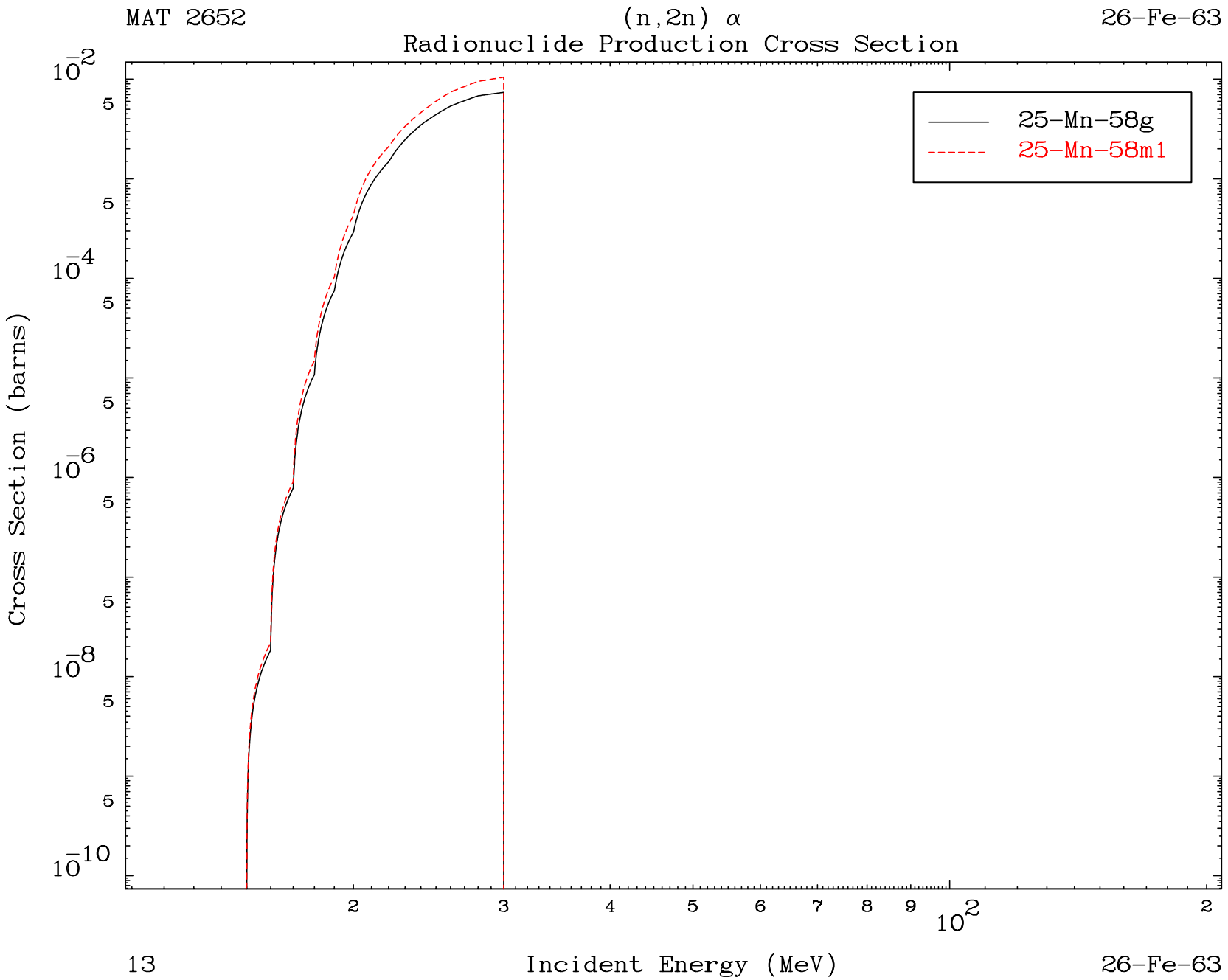

MAT 2652
(p,d) Levels
26-Fe-63
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
8
26-Fe-63

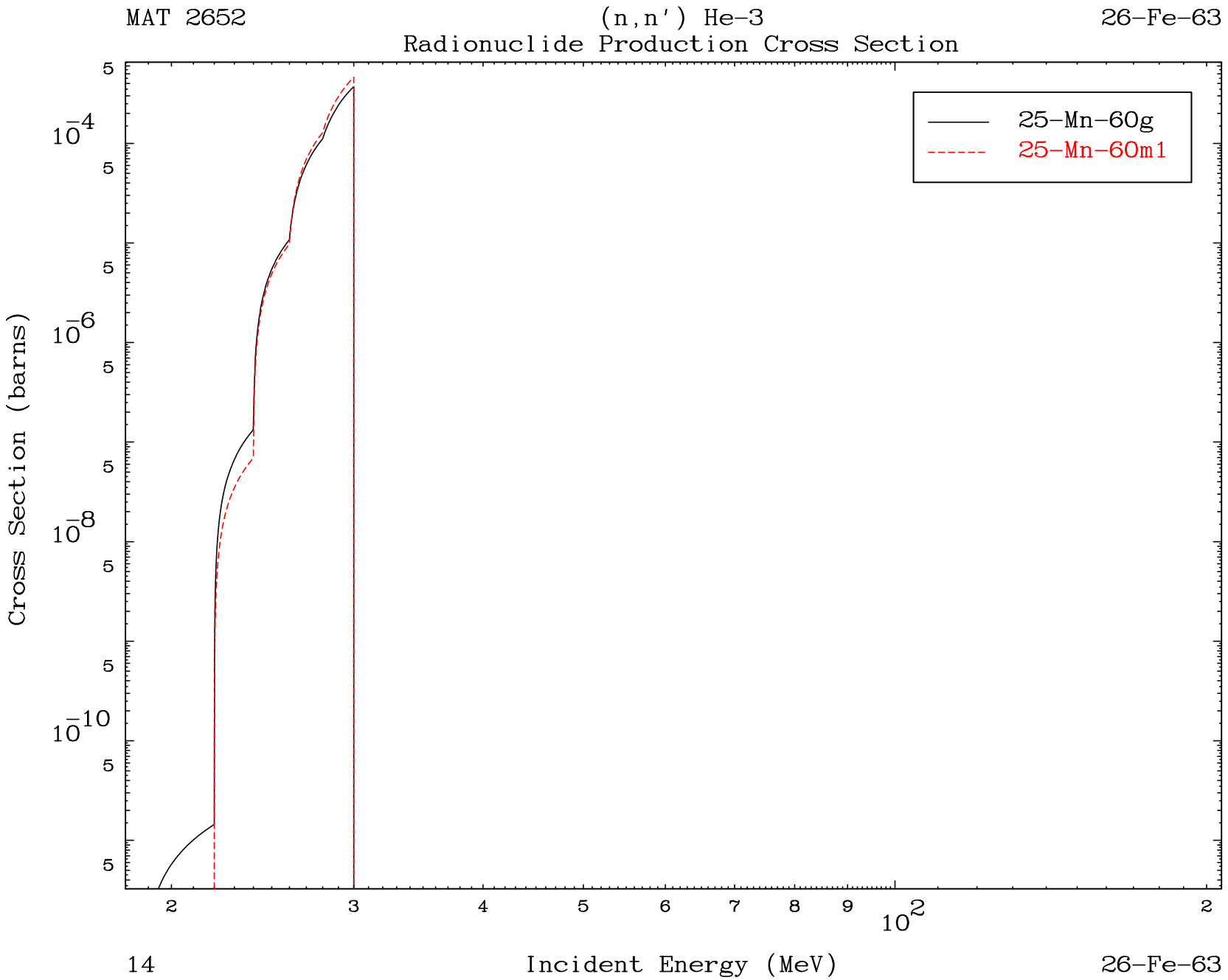

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

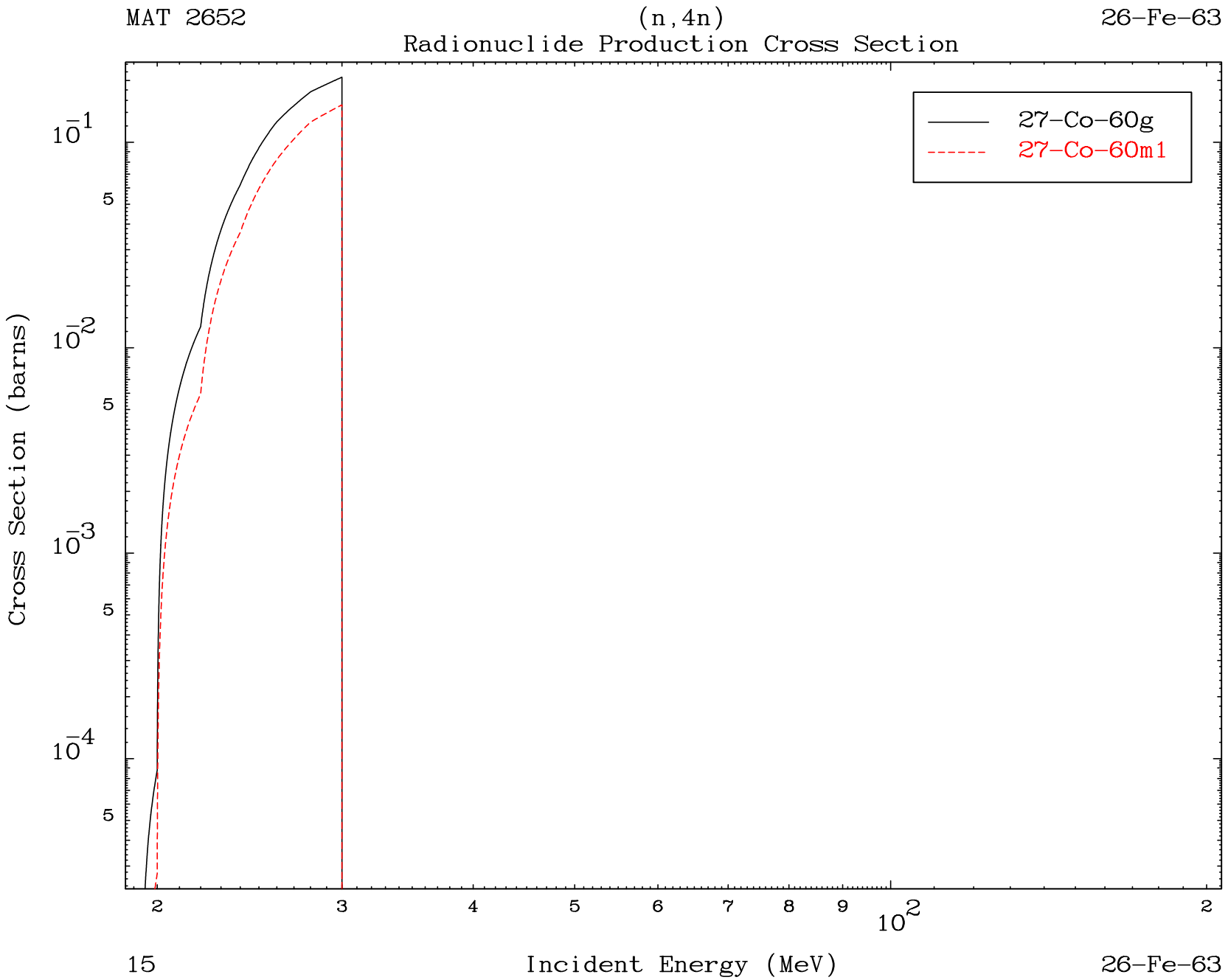

MAT 2652
(p,He3) Levels
26-Fe-63
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
26-Fe-63

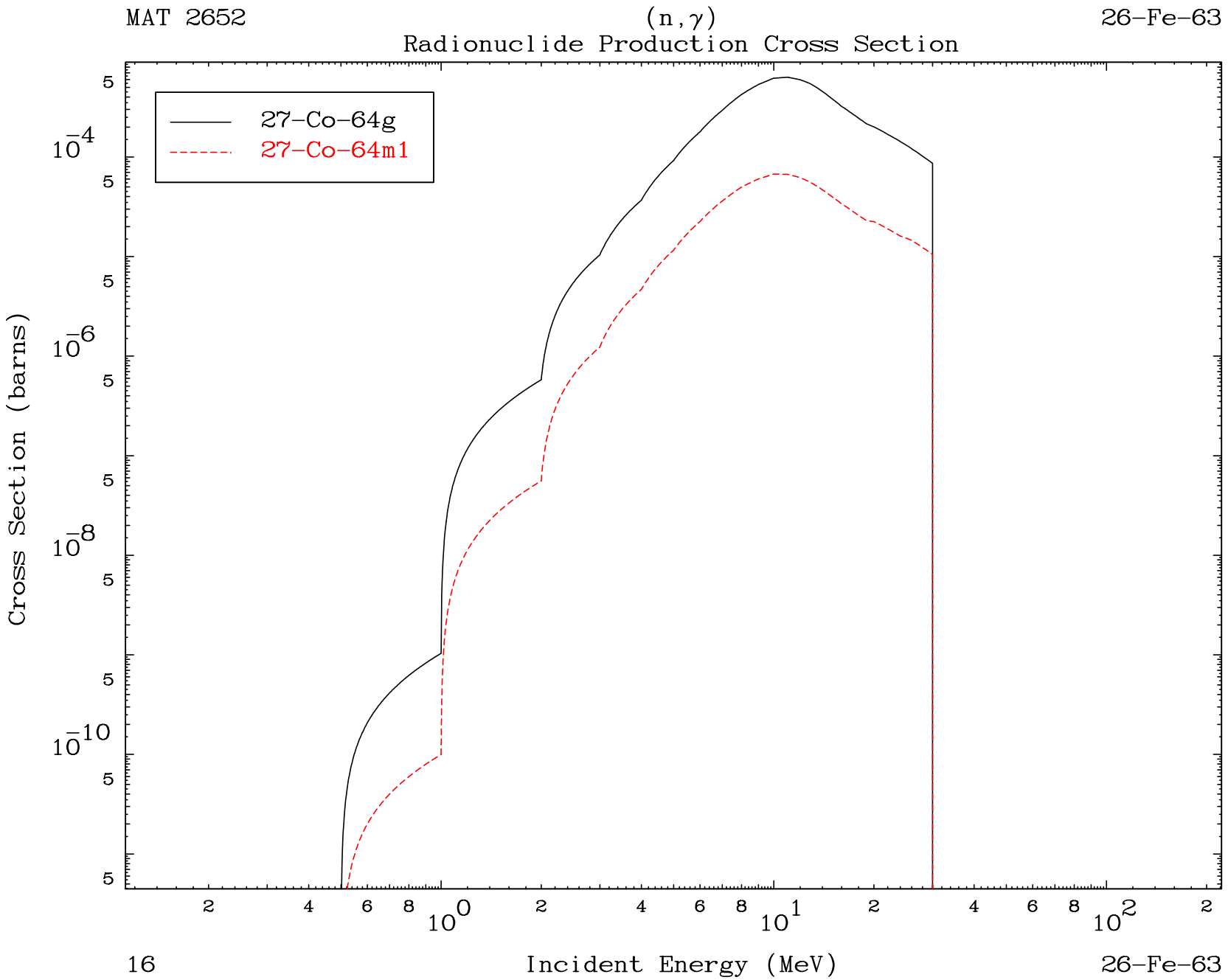

MAT 2652
(p,α) Levels
26-Fe-63
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
26-Fe-63

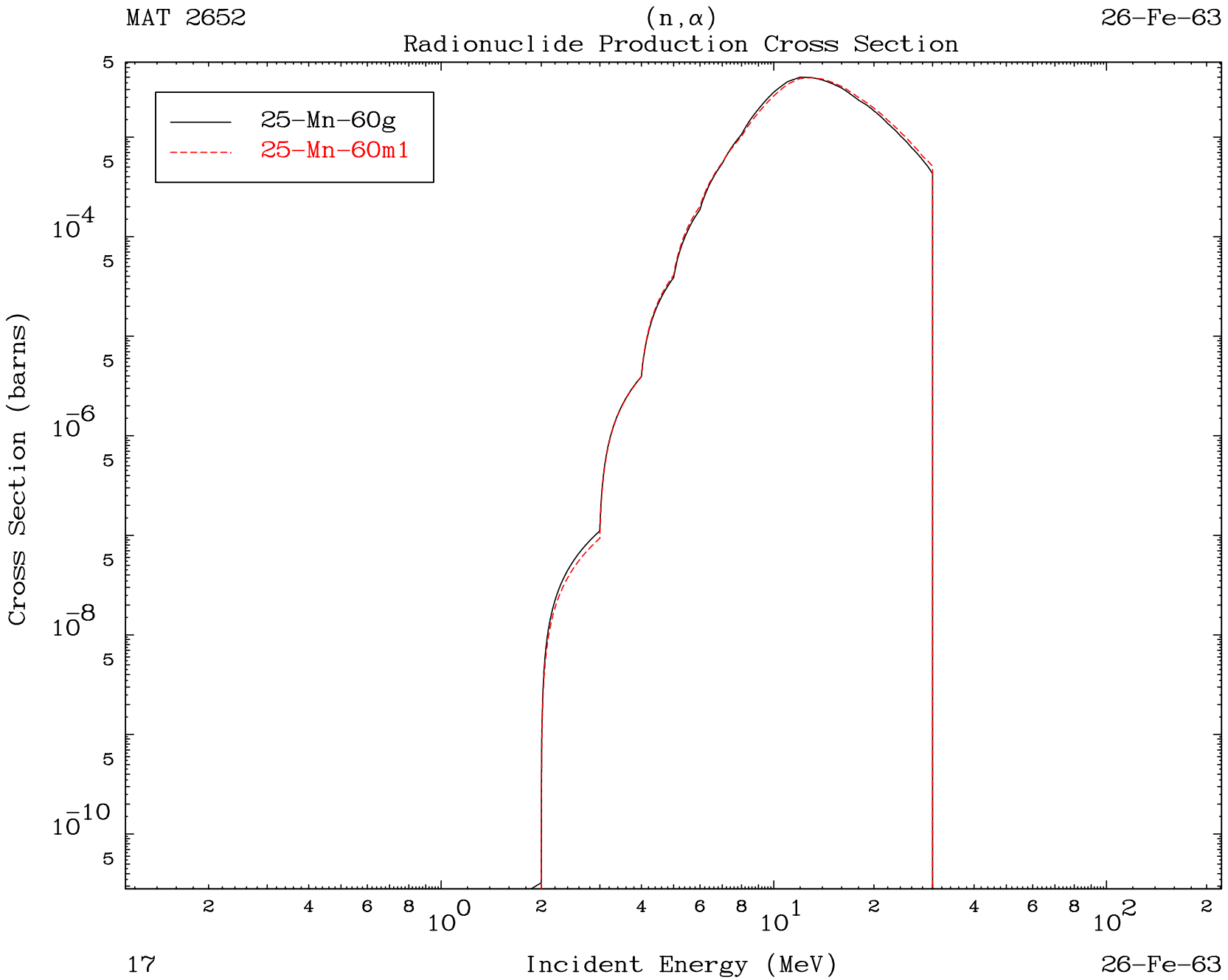

MAT 2652
(n,2n)
26-Fe-63
Radionuclide Production Cross Section
27-Co-62g
27-Co-62m1
Cross Section (barns)
Incident Energy (MeV)
12
26-Fe-63

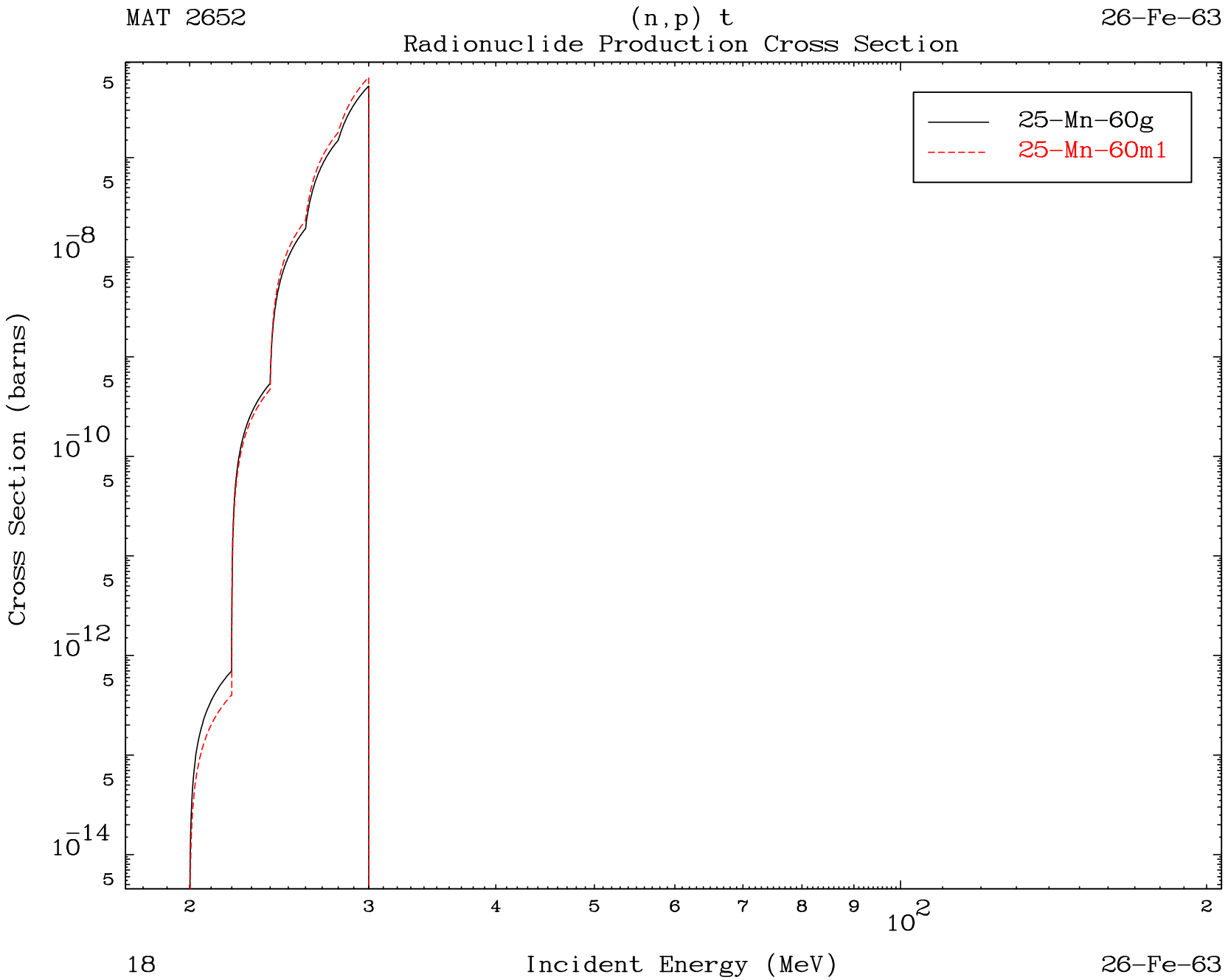

MAT 2652
(n,2n) α
26-Fe-63
Radionuclide Production Cross Section
25-Mn-58g
25-Mn-58m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
26-Fe-63


MAT 2652
(n,n') He-3
26-Fe-63
Radionuclide Production Cross Section
25-Mn-60g
25-Mn-60m1
Cross Section (barns)
Incident Energy (MeV)
14
26-Fe-63


MAT 2652
(n,4n)
26-Fe-63
Radionuclide Production Cross Section
27-Co-60g
27-Co-60m1
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
26-Fe-63


MAT 2652
(n,γ)
26-Fe-63
Radionuclide Production Cross Section
27-Co-64g
27-Co-64m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
16
26-Fe-63


MAT 2652
(n,α)
26-Fe-63
Radionuclide Production Cross Section
25-Mn-60g
25-Mn-60m1
Cross Section (barns)
Incident Energy (MeV)
17
26-Fe-63


MAT 2652
(n,p) t
26-Fe-63
Radionuclide Production Cross Section
25-Mn-60g
25-Mn-60m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
26-Fe-63