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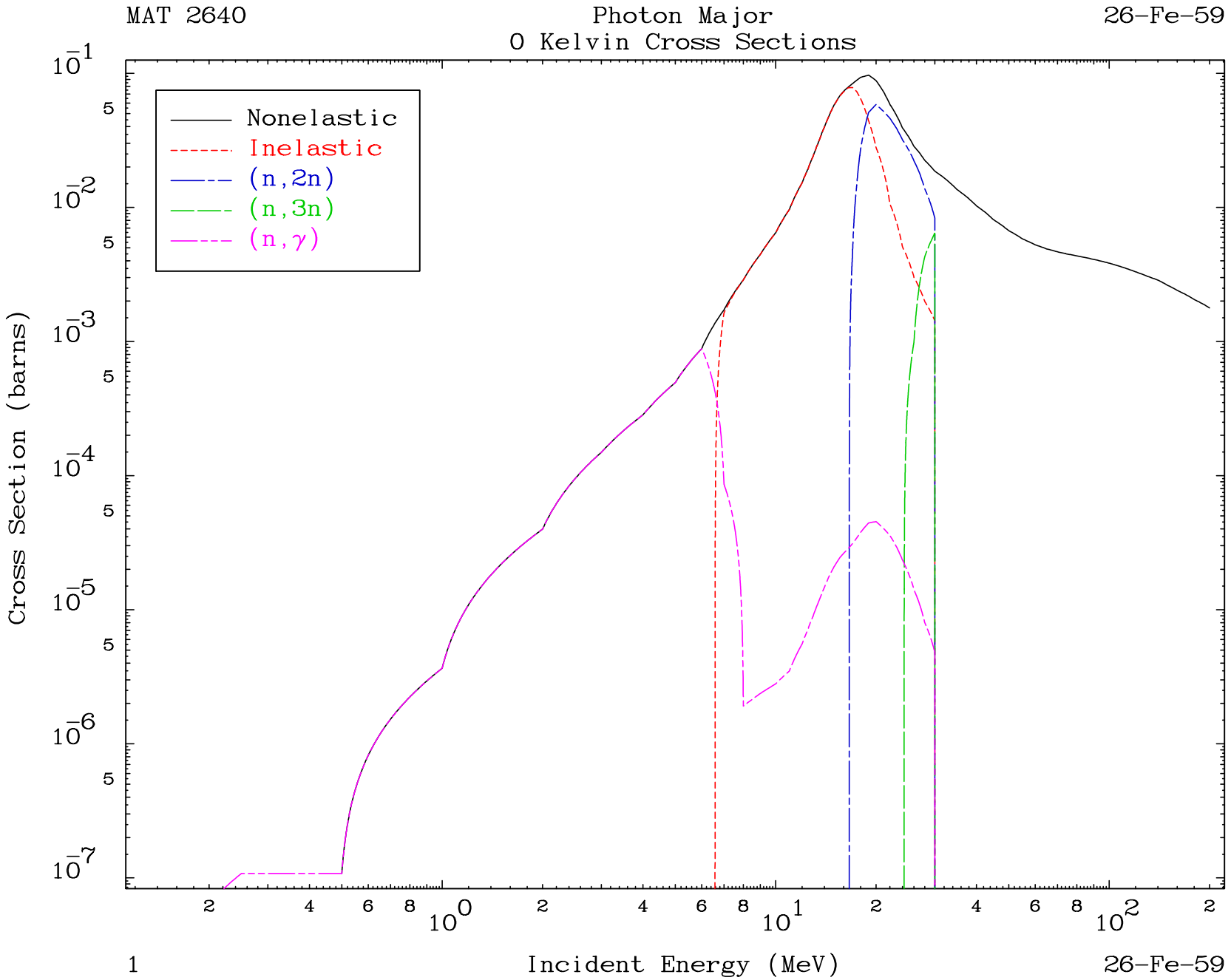
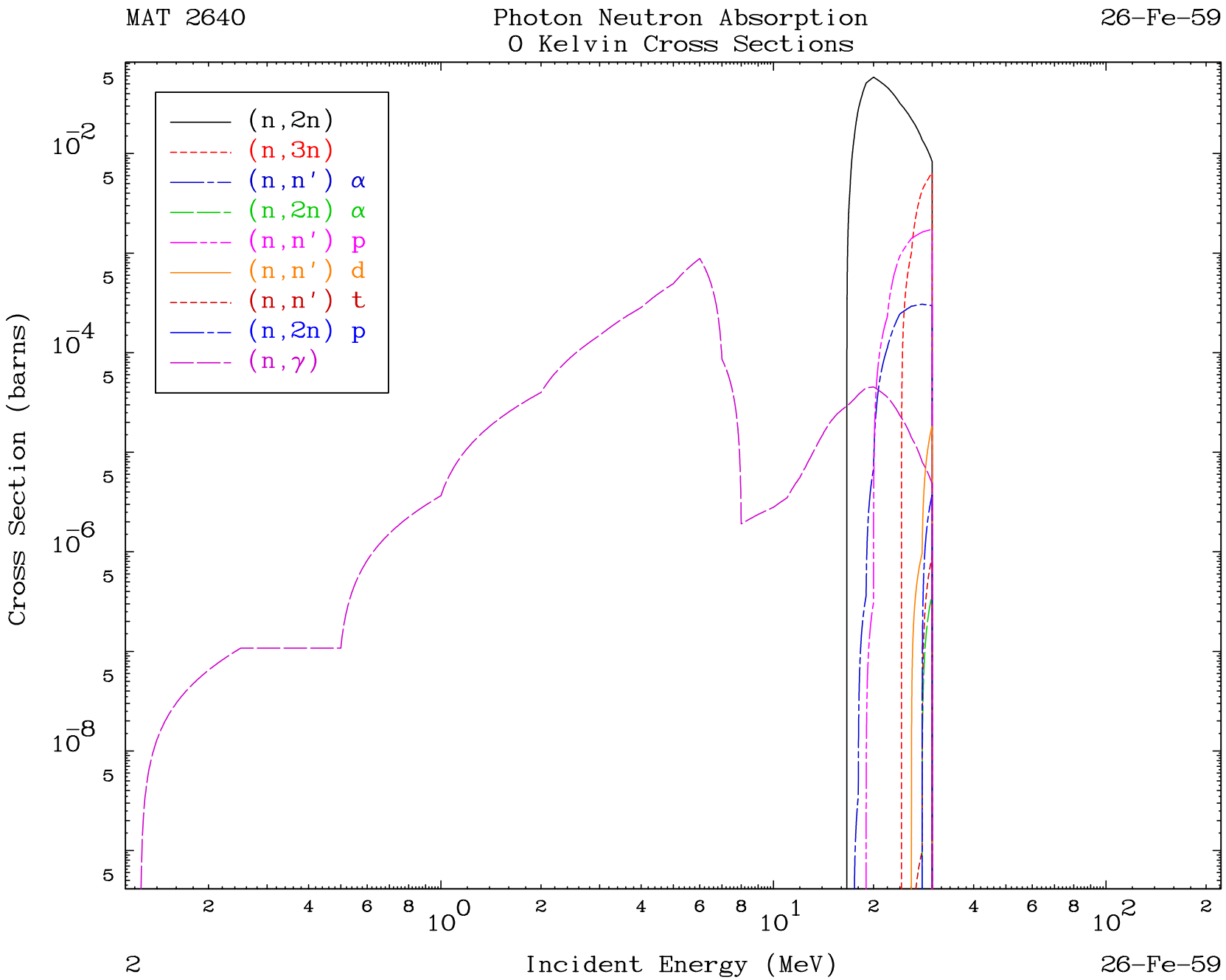
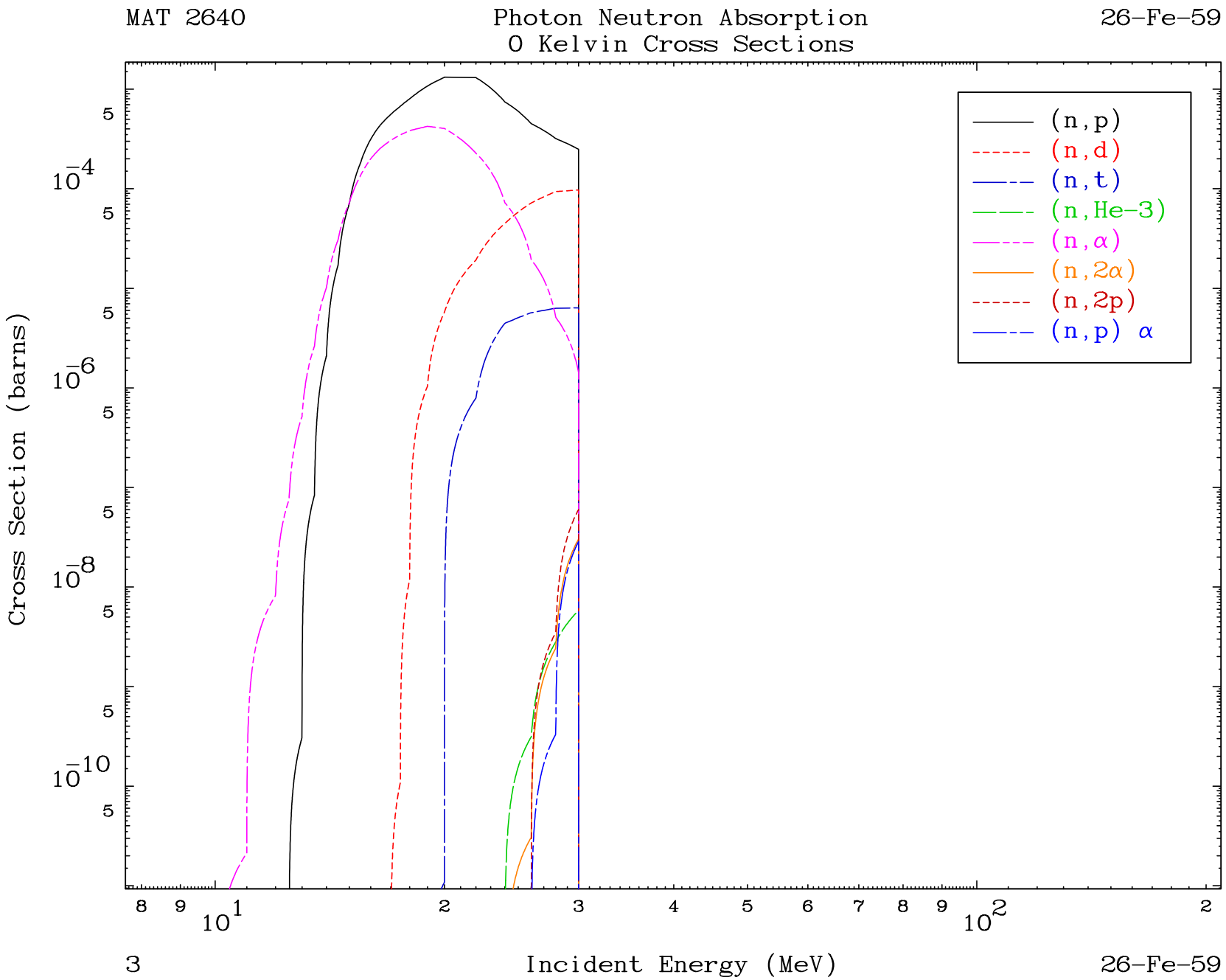
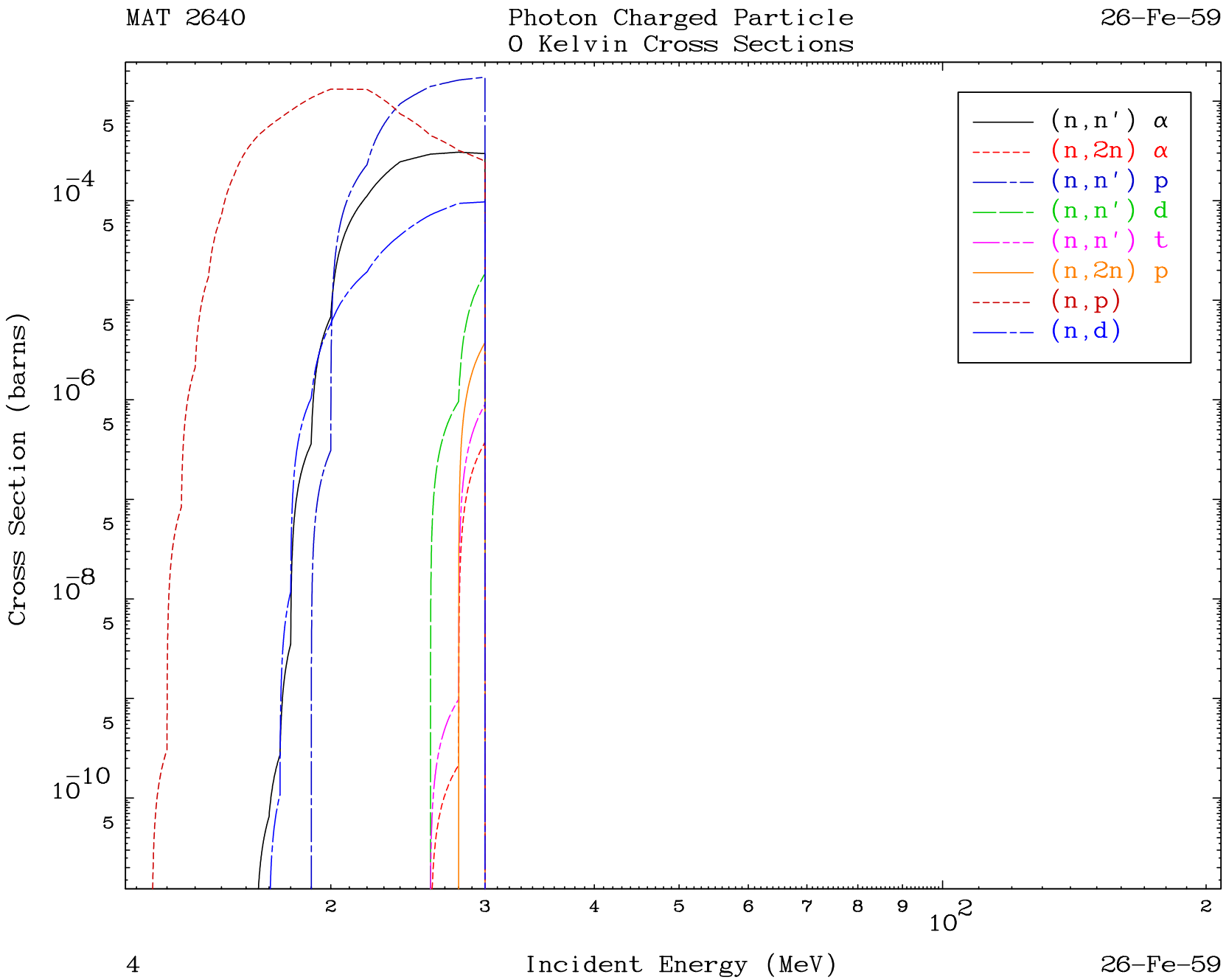
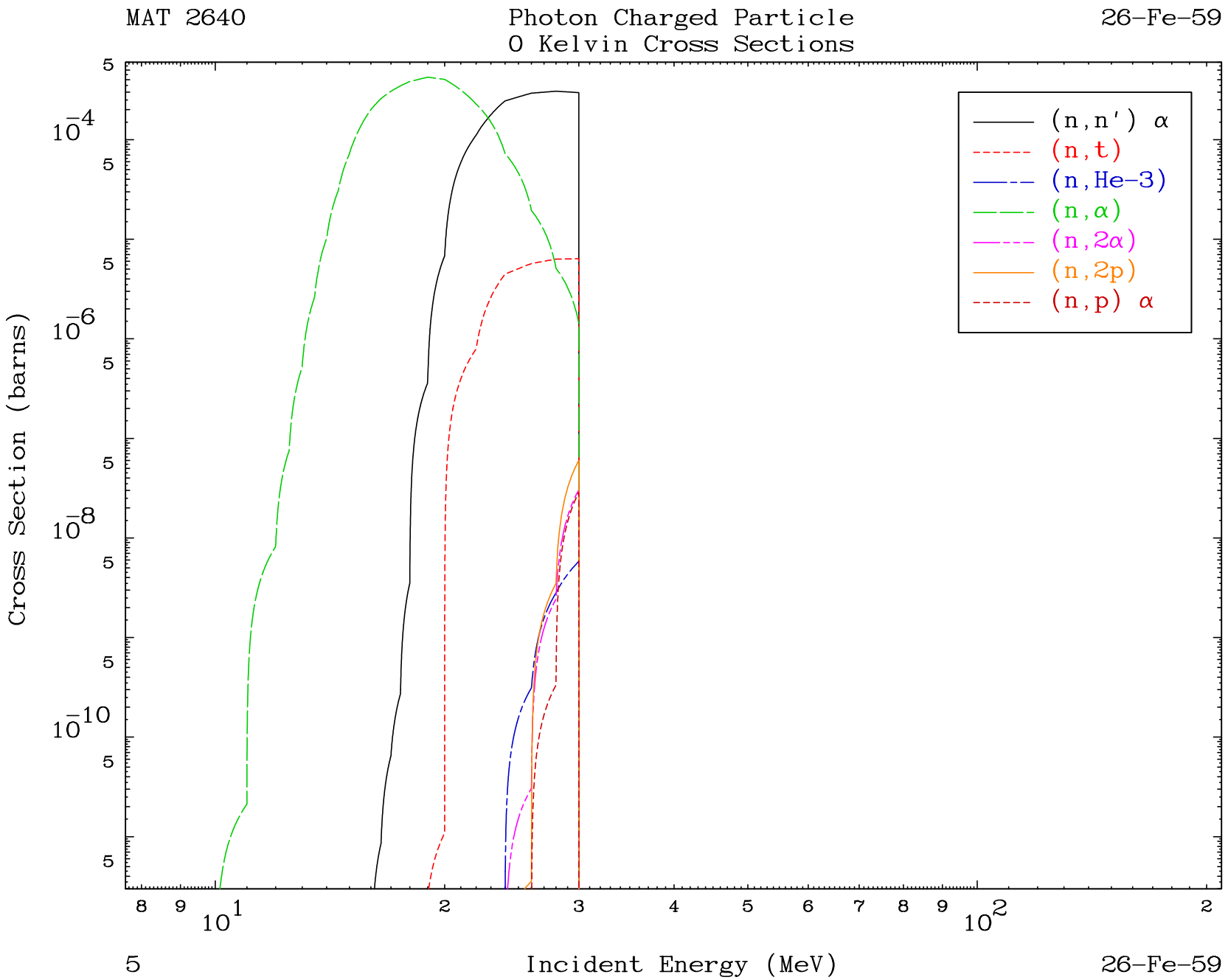
Press Mouse Button to Start

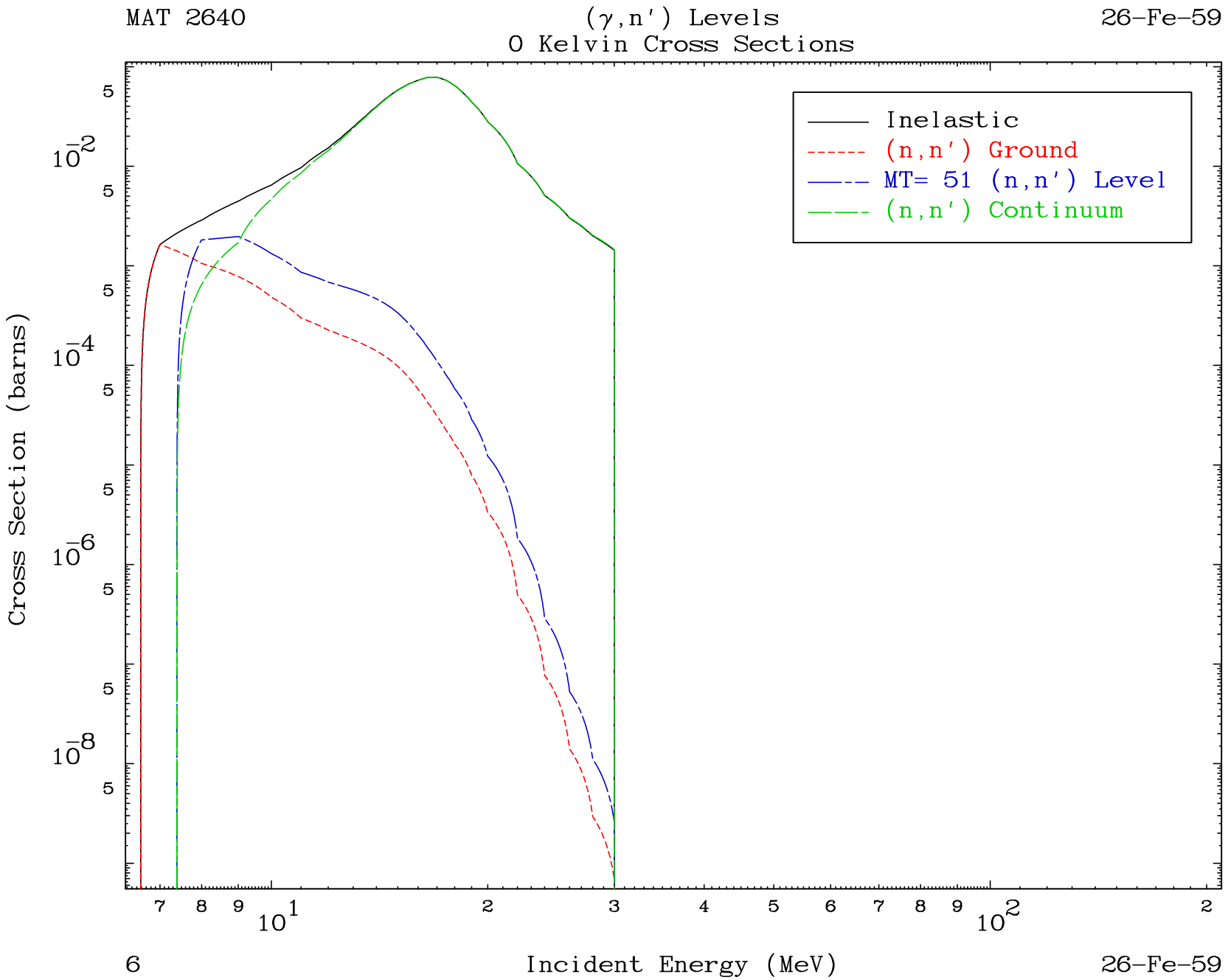

MAT 2640
Photon Major
26-Fe-59
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
26-Fe-59

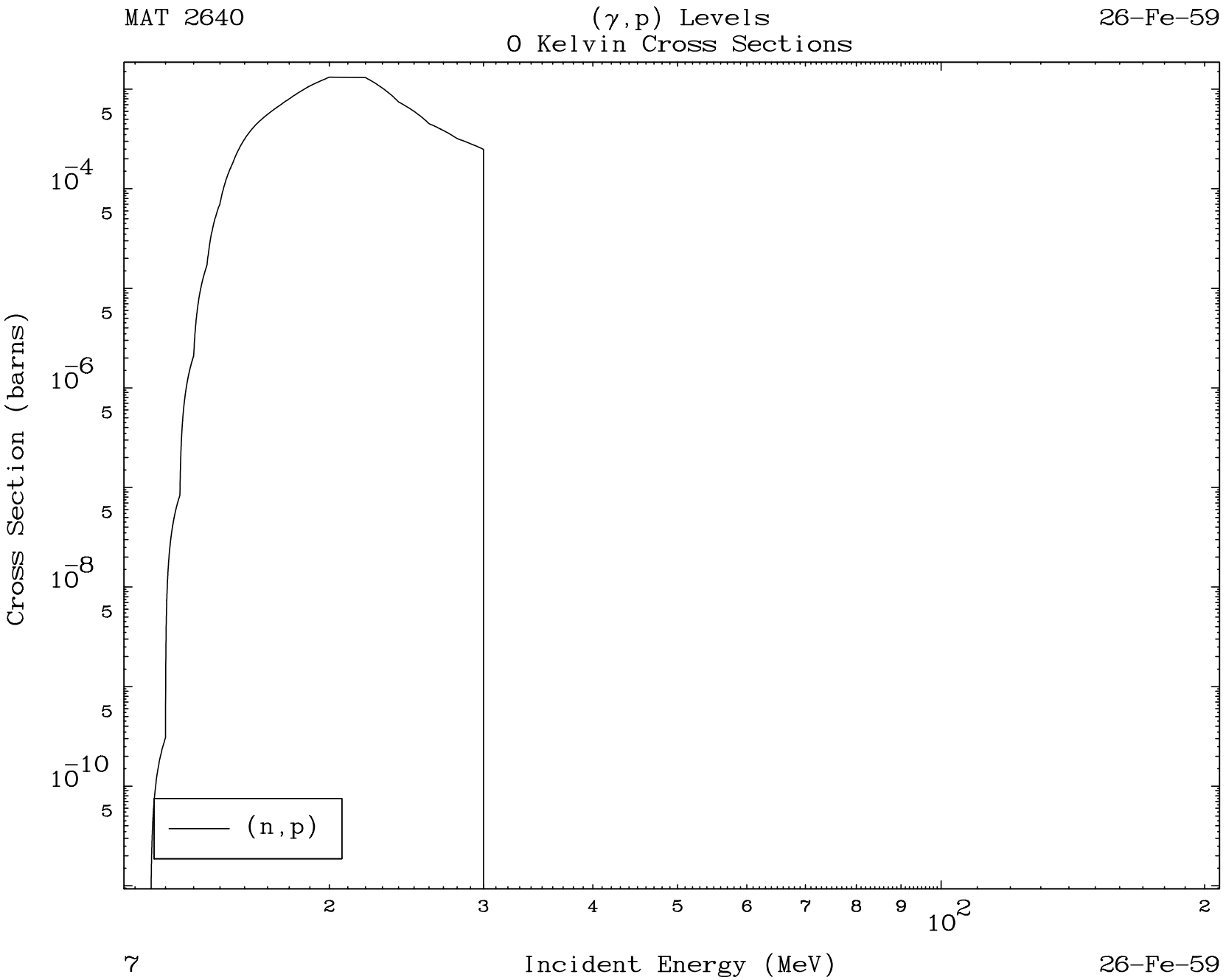

MAT 2640
Photon Neutron Absorption
0 Kelvin Cross Sections
26-Fe-59
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
26-Fe-59

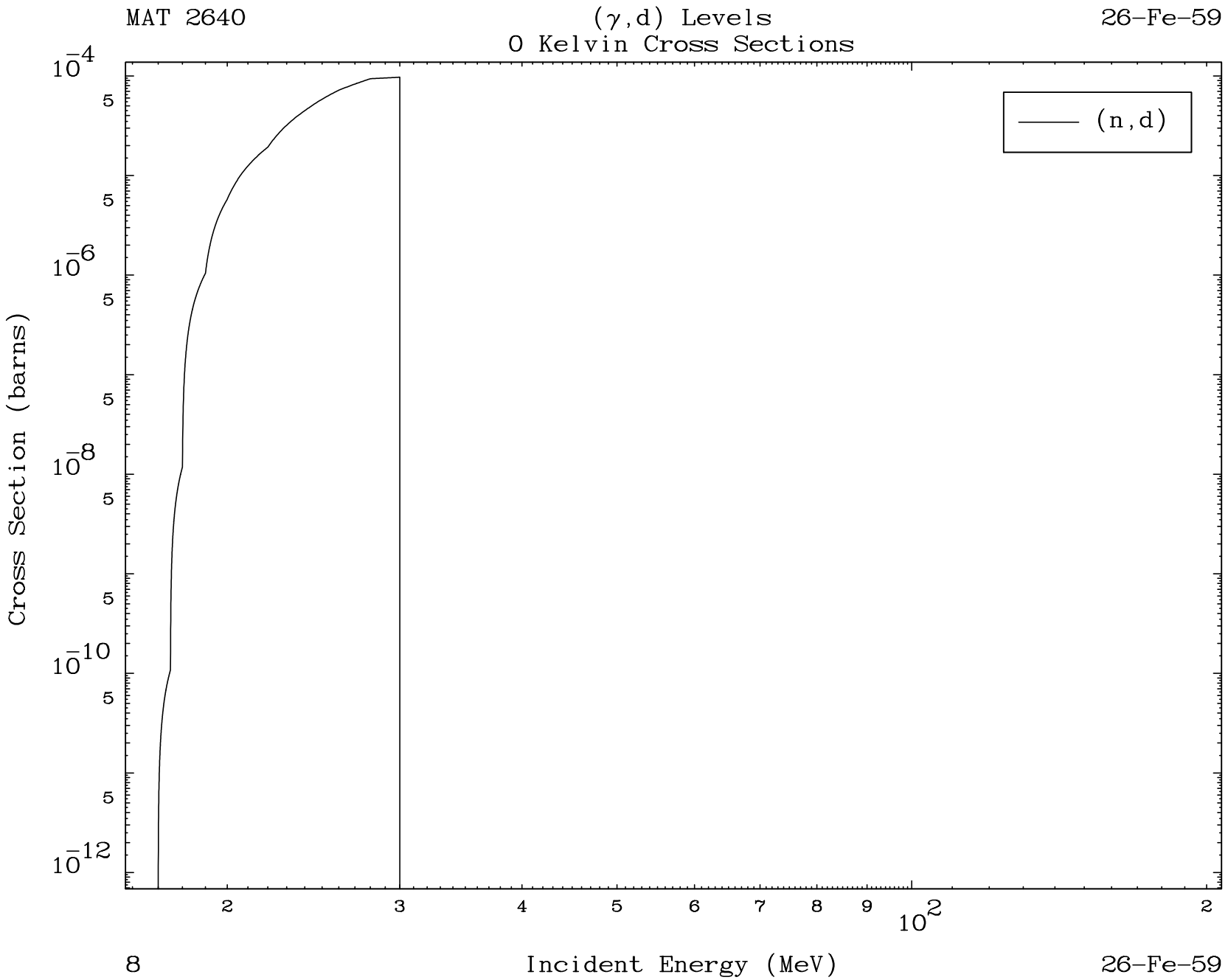

MAT 2640
Photon Neutron Absorption
0 Kelvin Cross Sections
26-Fe-59
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
26-Fe-59

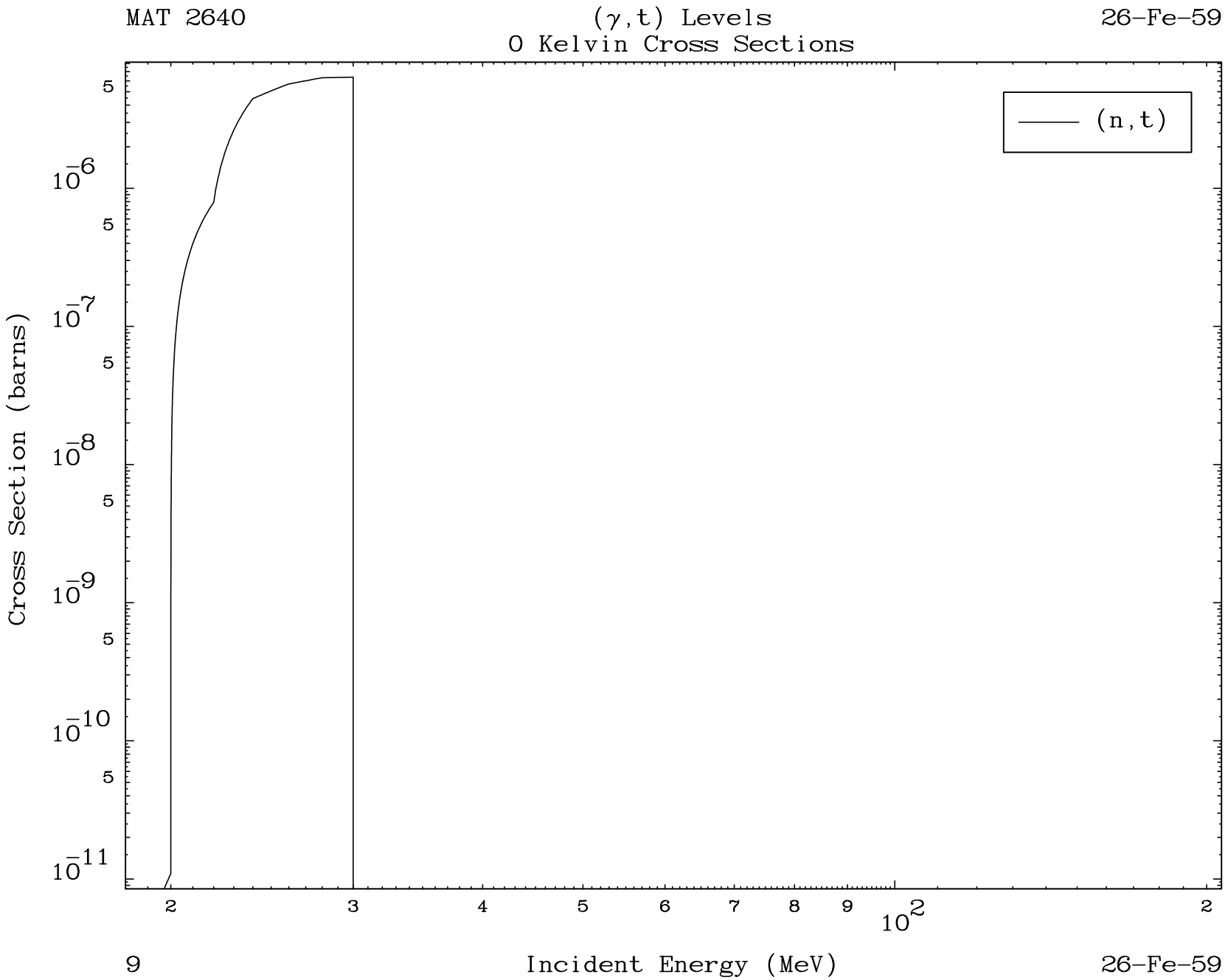

MAT 2640
Photon Charged Particle
0 Kelvin Cross Sections
26-Fe-59
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
4
26-Fe-59

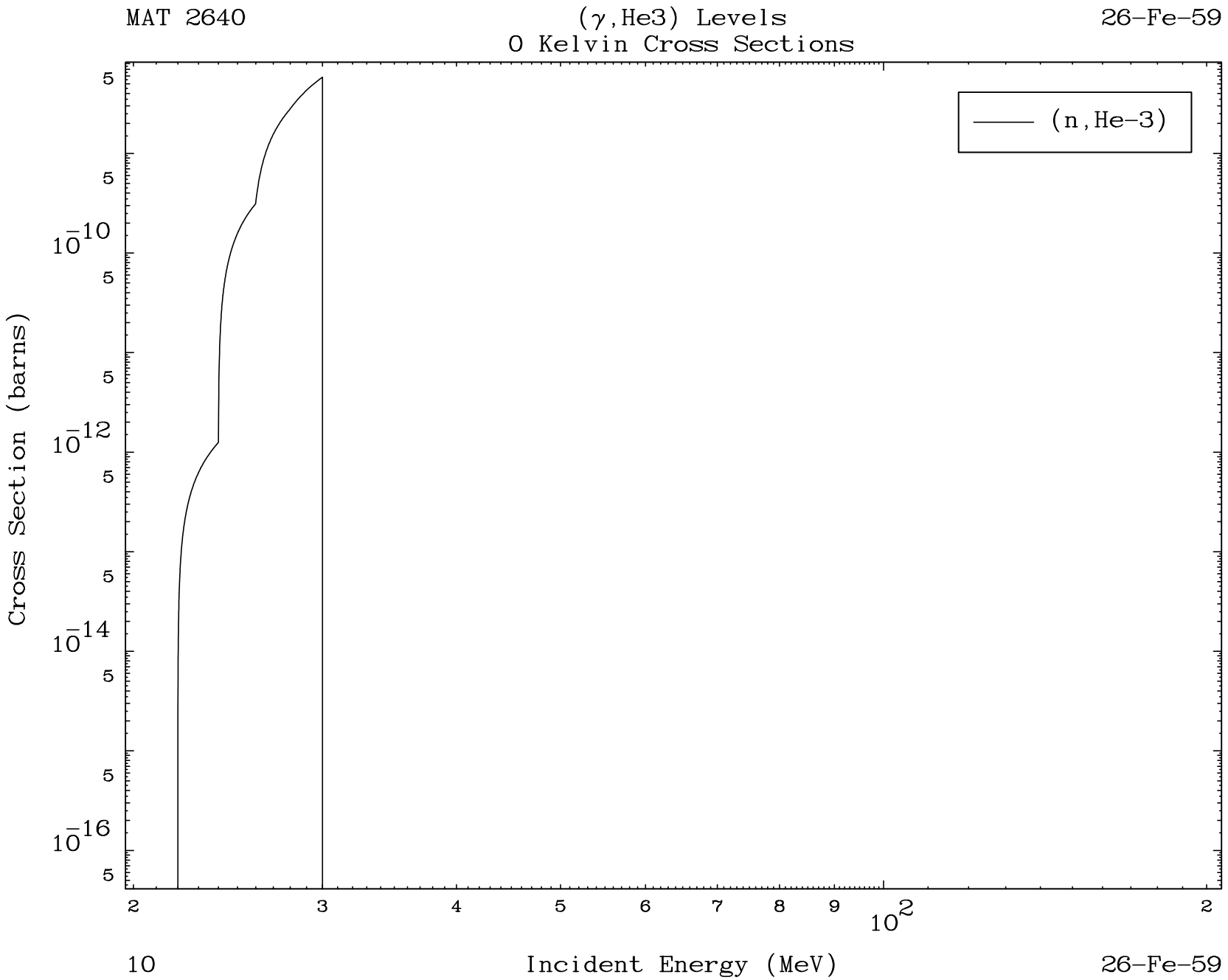

MAT 2640
Photon Charged Particle
0 Kelvin Cross Sections
26-Fe-59
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α

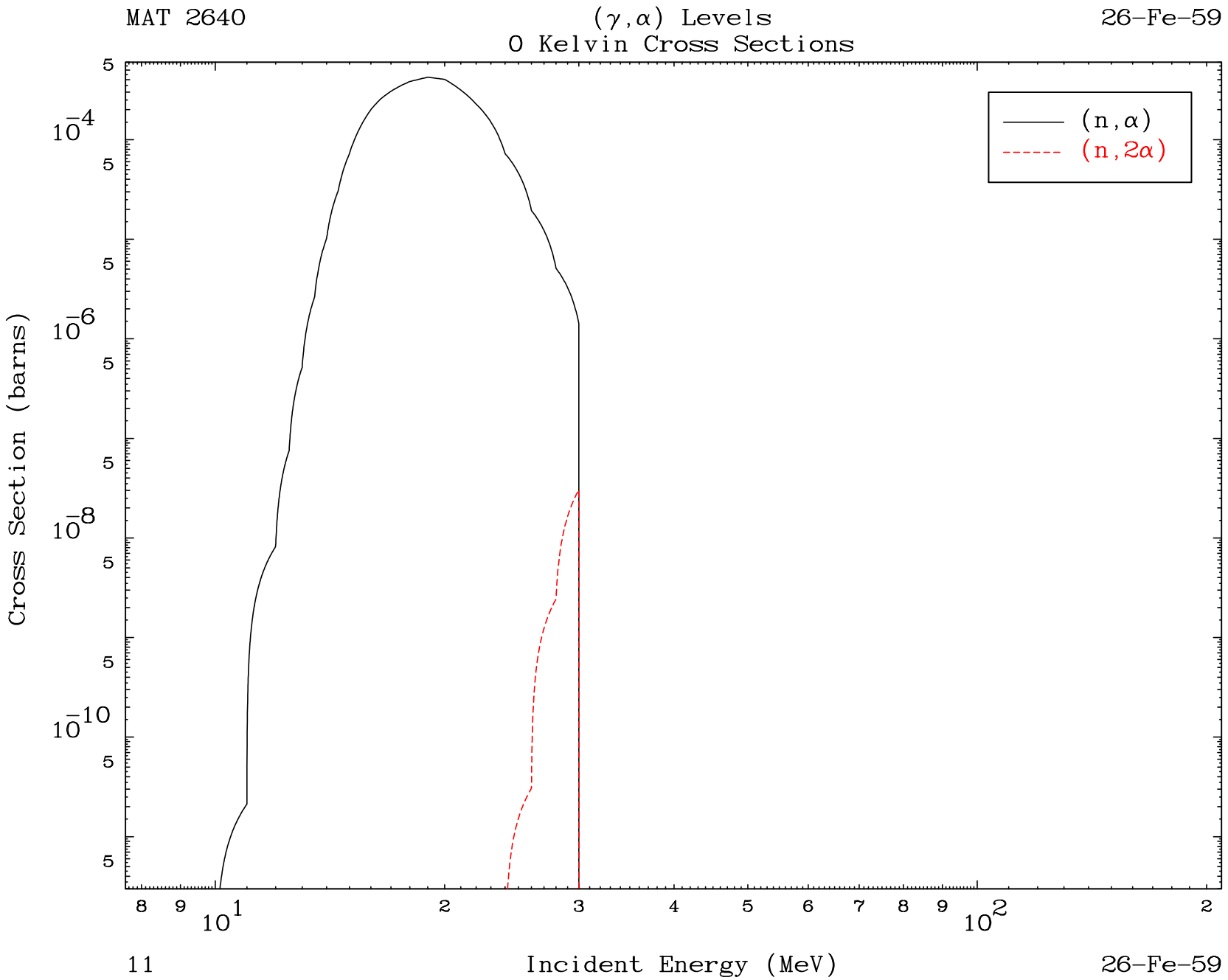

MAT 2640
(γ,n') Levels
26-Fe-59
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
26-Fe-59

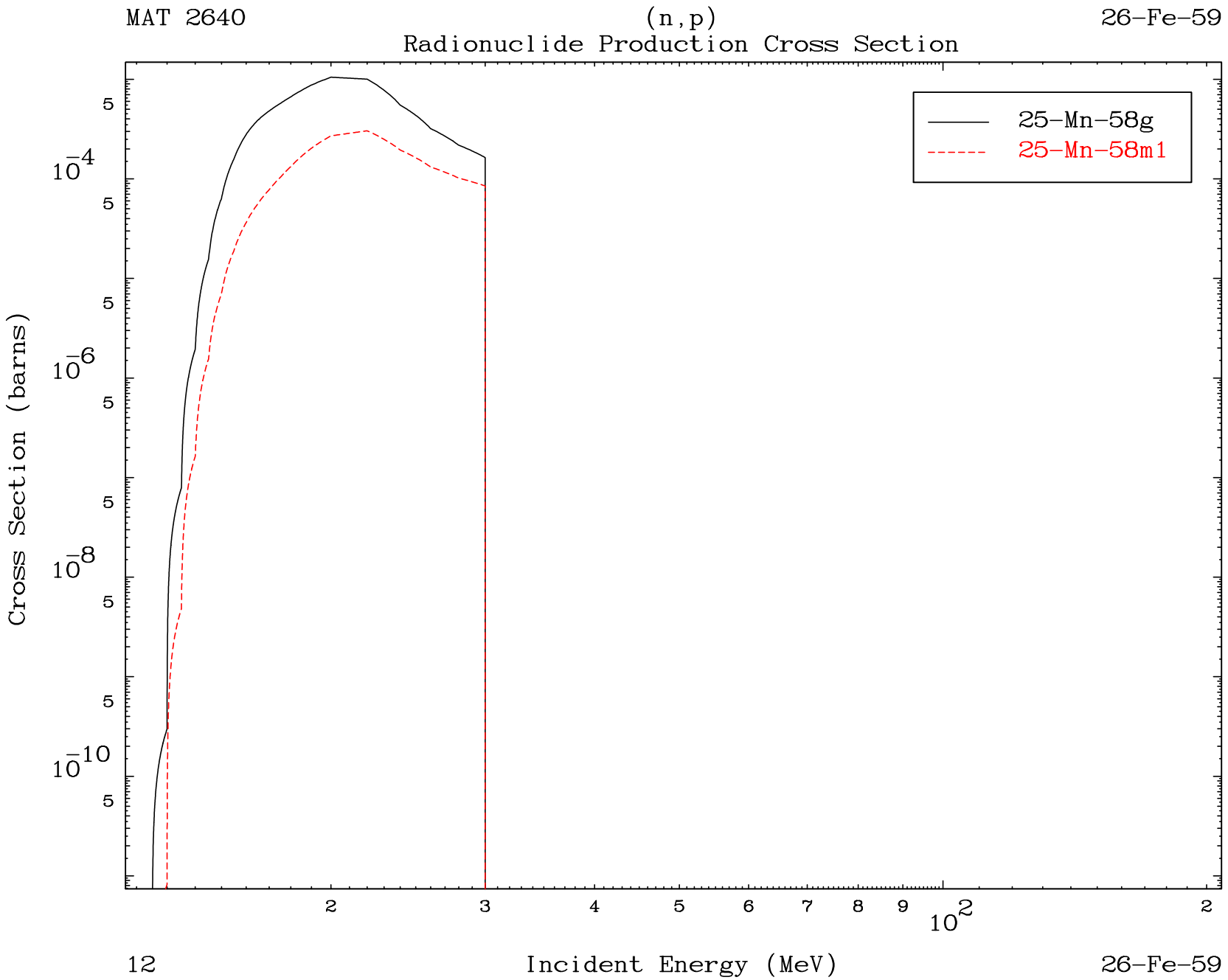

MAT 2640
(γ,p) Levels
26-Fe-59
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
(n,p)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
26-Fe-59


MAT 2640
(γ,d) Levels
26-Fe-59
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
26-Fe-59


MAT 2640
(γ,t) Levels
26-Fe-59
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
10⁻⁶
5
10⁻⁷
5
10⁻⁸
5
10⁻⁹
5
10⁻¹⁰
5
10⁻¹¹
2
3
4
5
6
7
8
9
10²
2
9
Incident Energy (MeV)
26-Fe-59


MAT 2640
(γ,He3) Levels
26-Fe-59
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
26-Fe-59


MAT 2640
(γ,α) Levels
26-Fe-59
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
26-Fe-59


MAT 2640
(n,p)
26-Fe-59
Radionuclide Production Cross Section
25-Mn-58g
25-Mn-58m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
26-Fe-59