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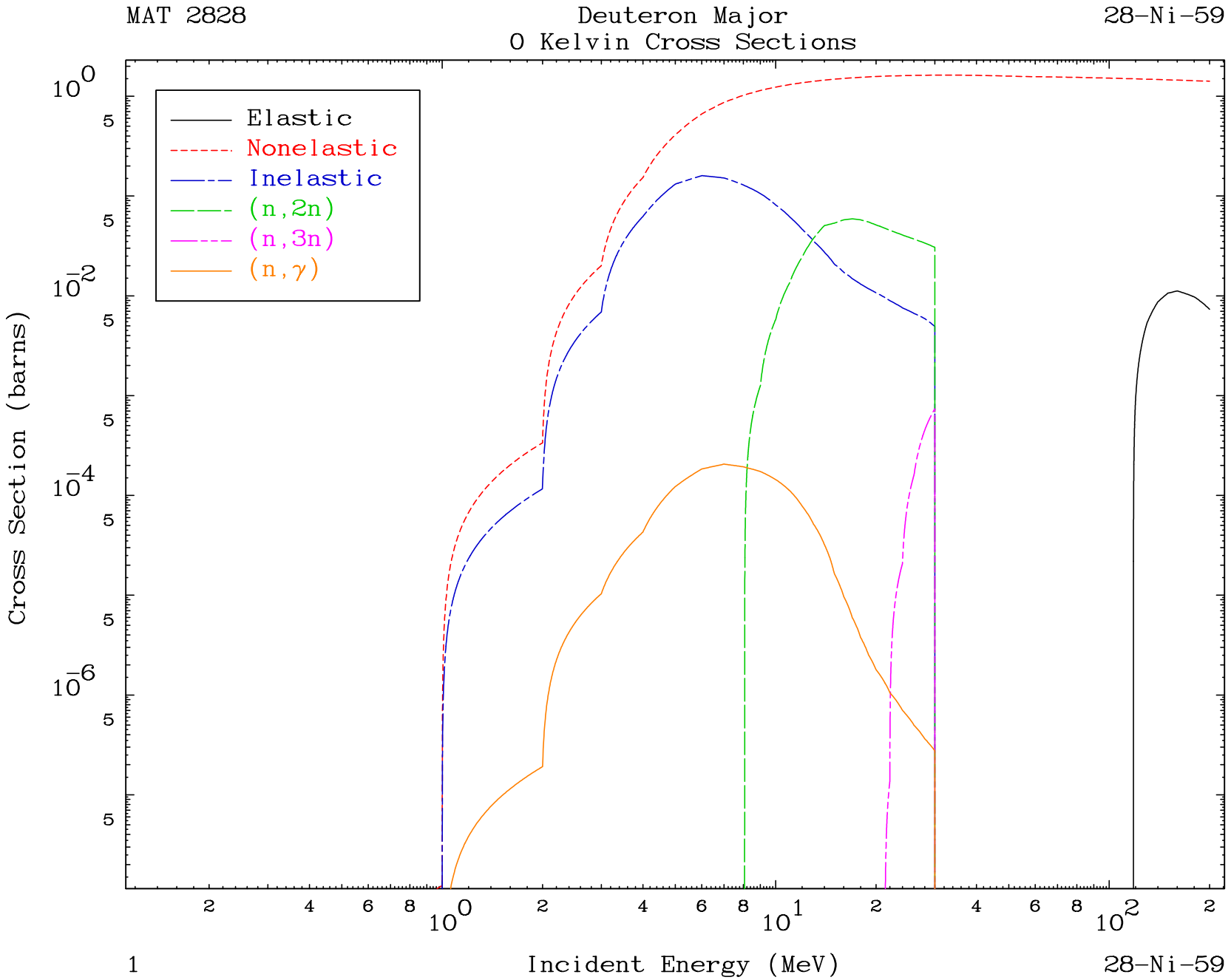
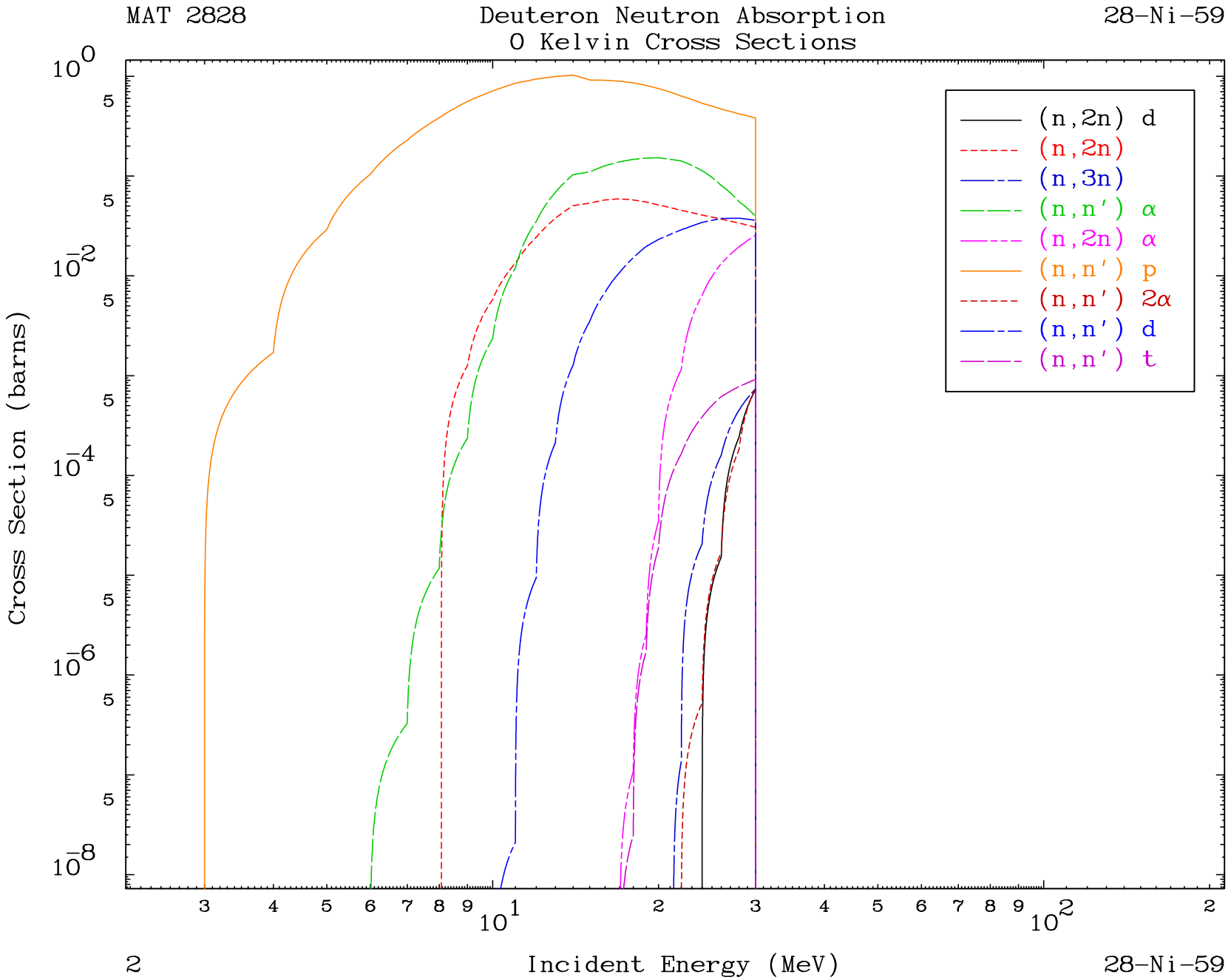
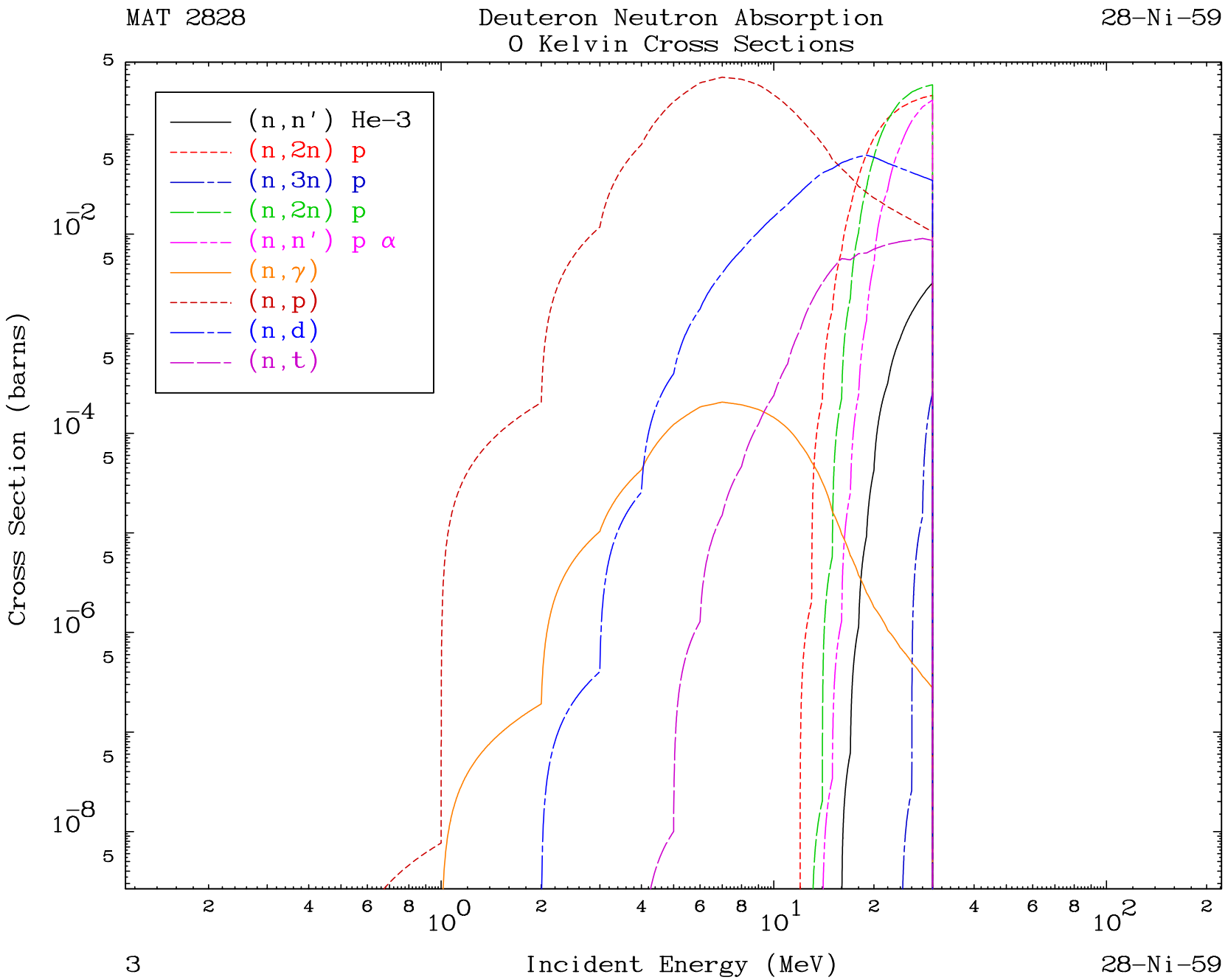
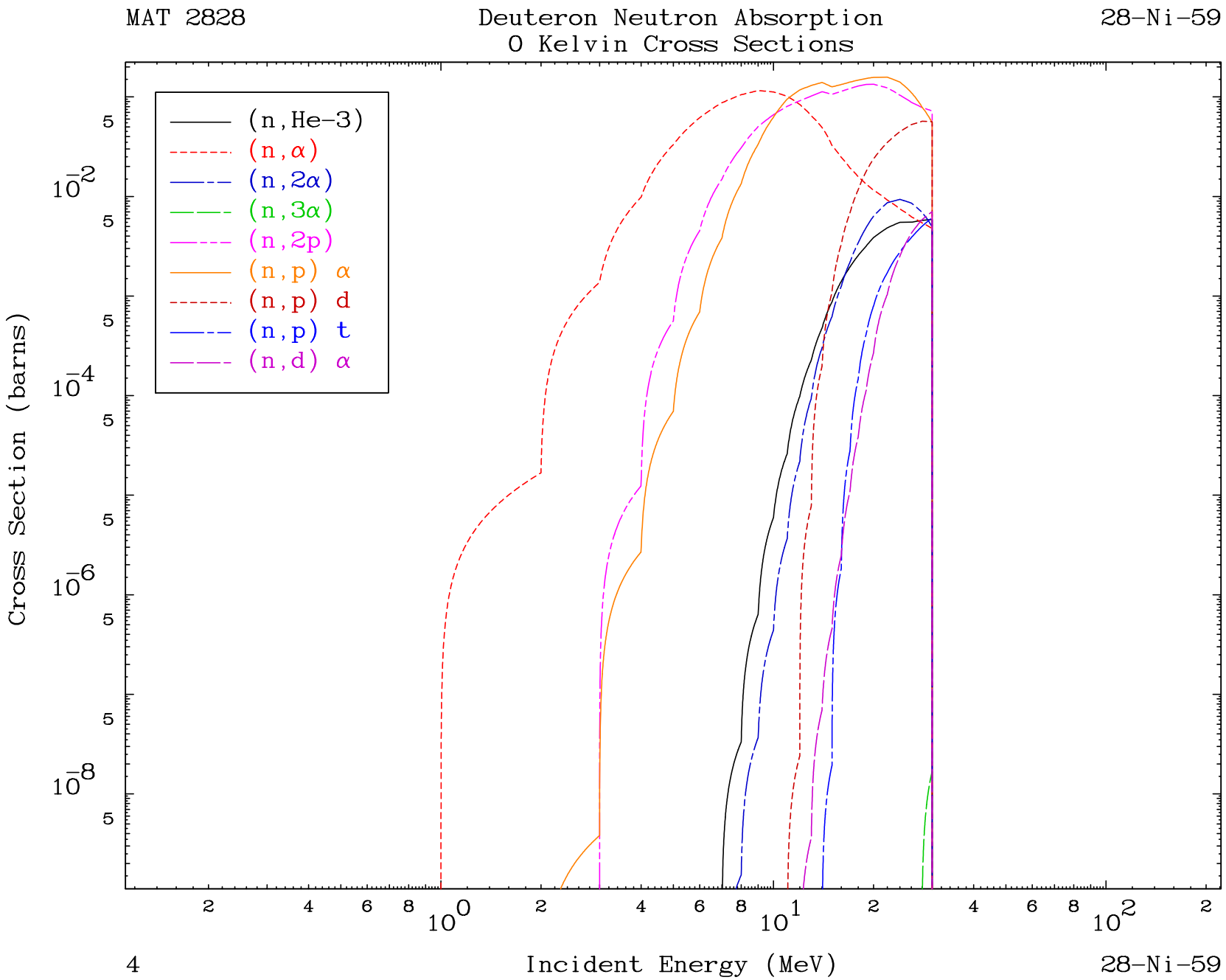
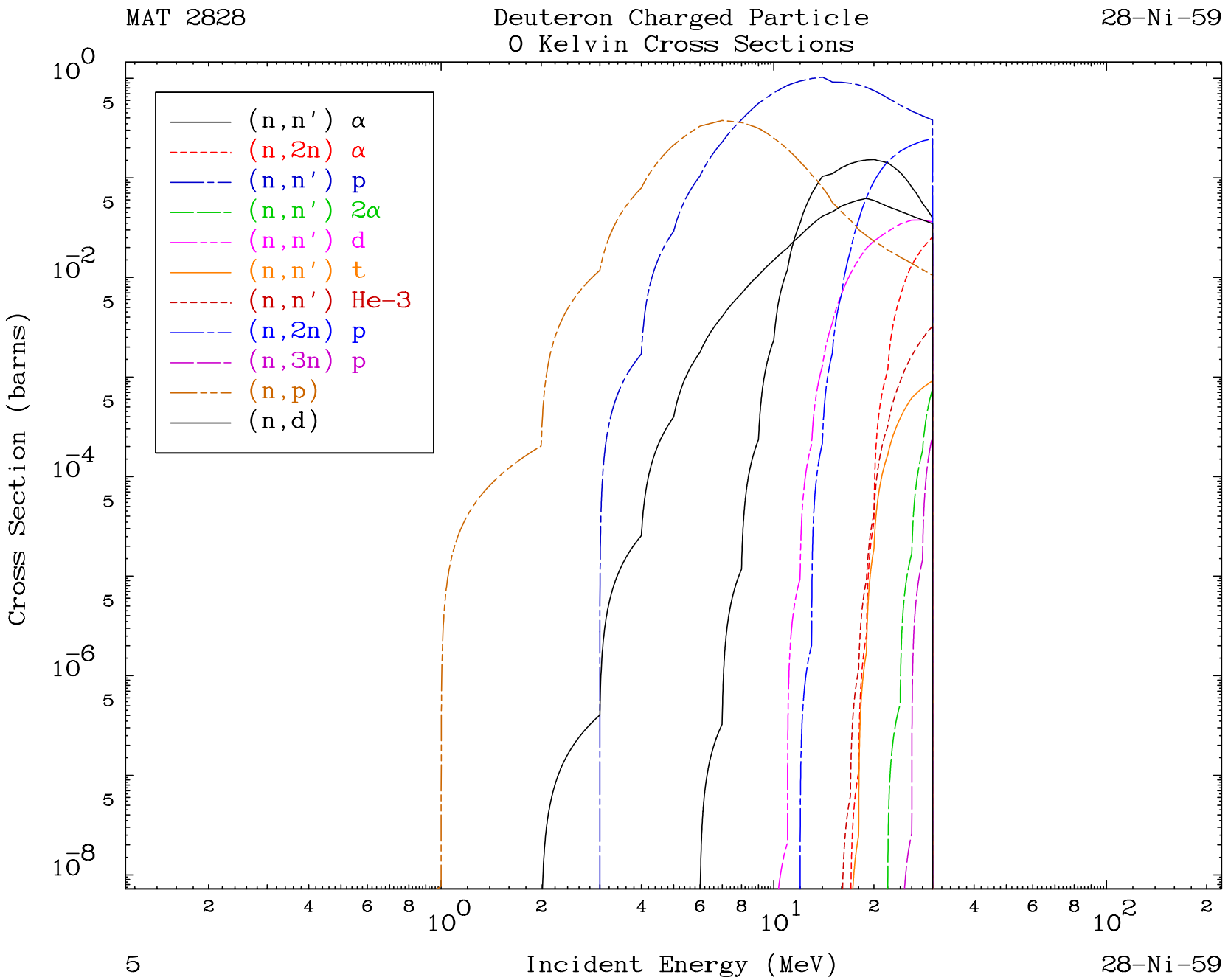
Press Mouse Button to Start

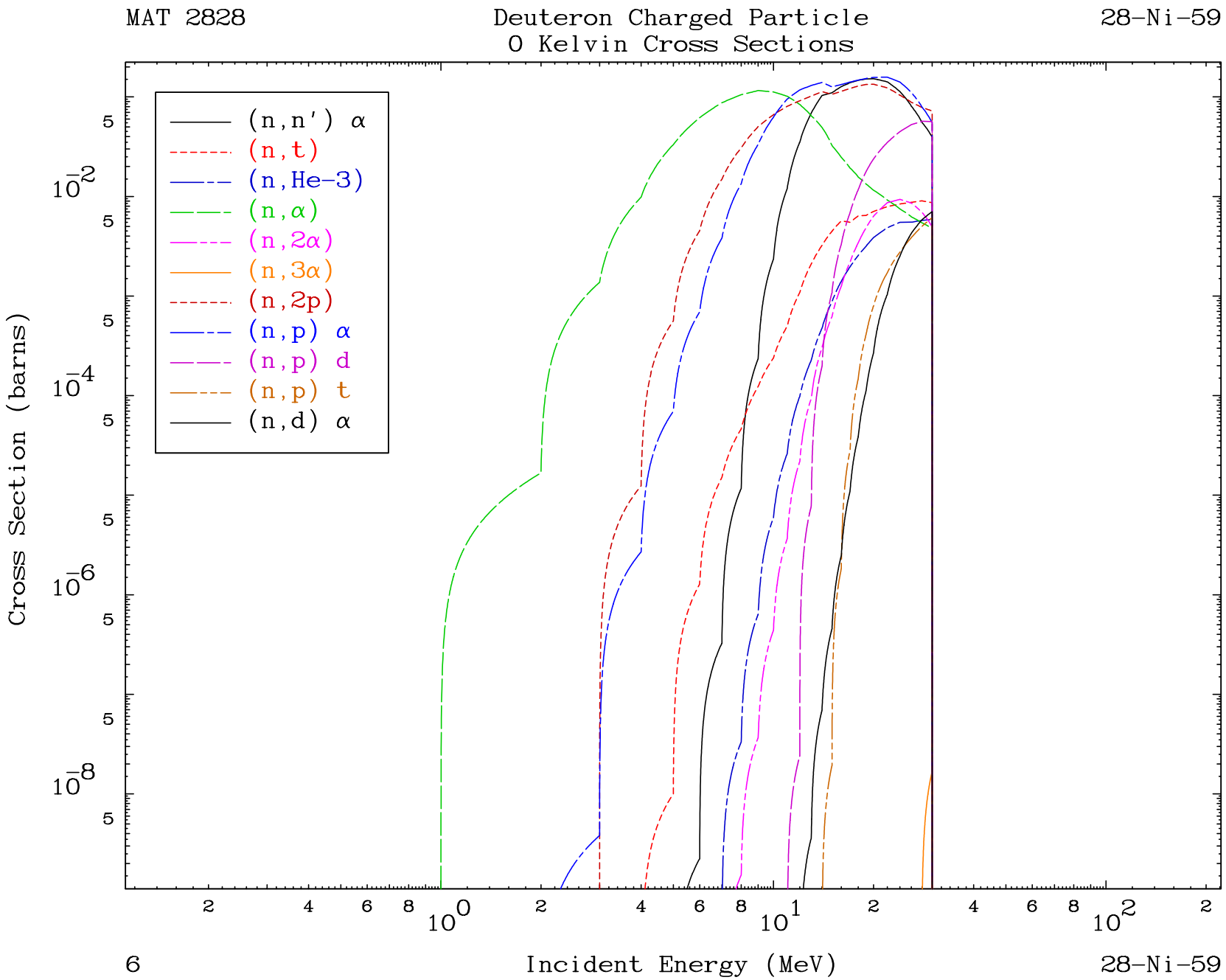

MAT 2828
Deuteron Major
28-Ni-59
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
28-Ni-59

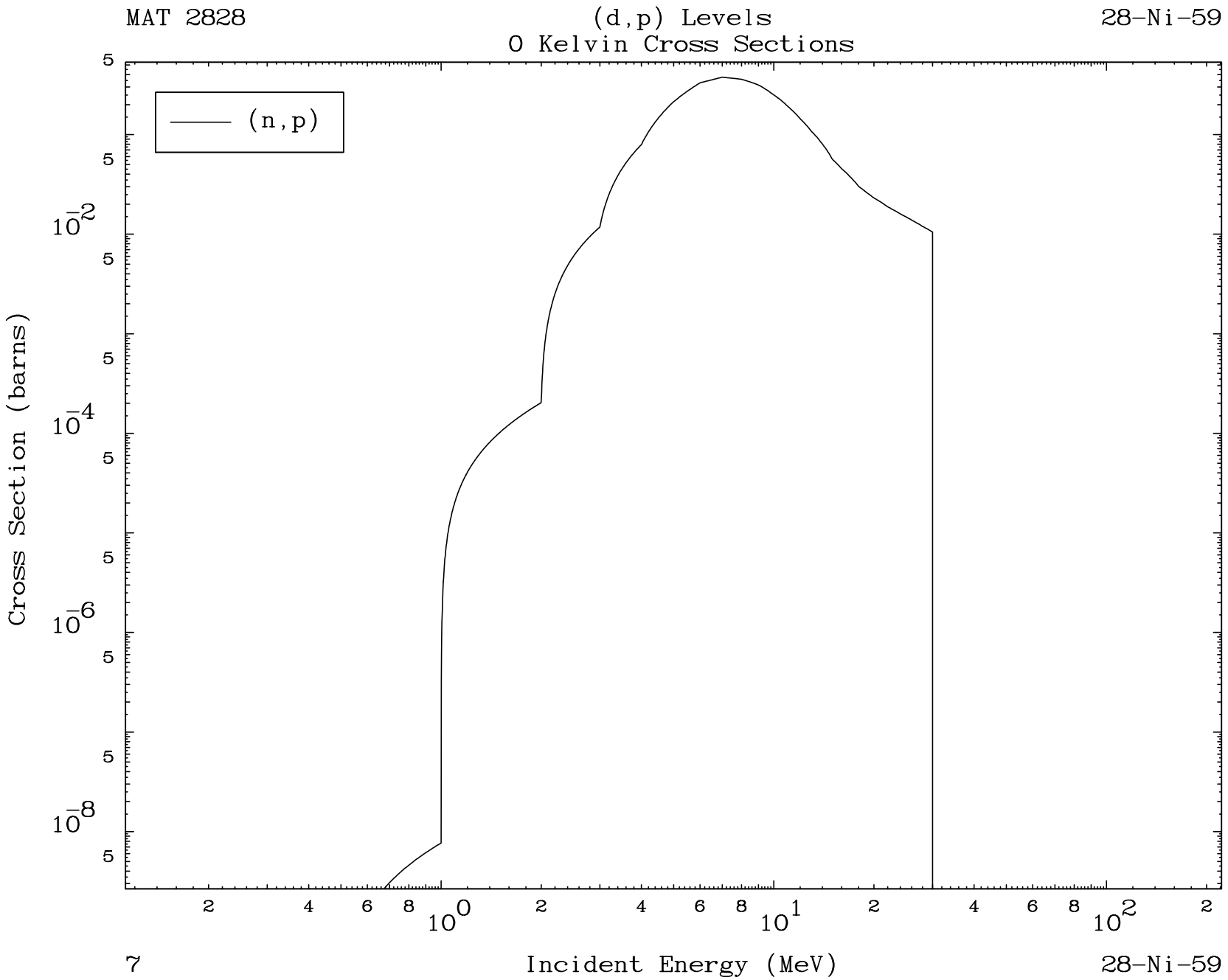

MAT 2828
Deuteron Neutron Absorption
0 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
28-Ni-59
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

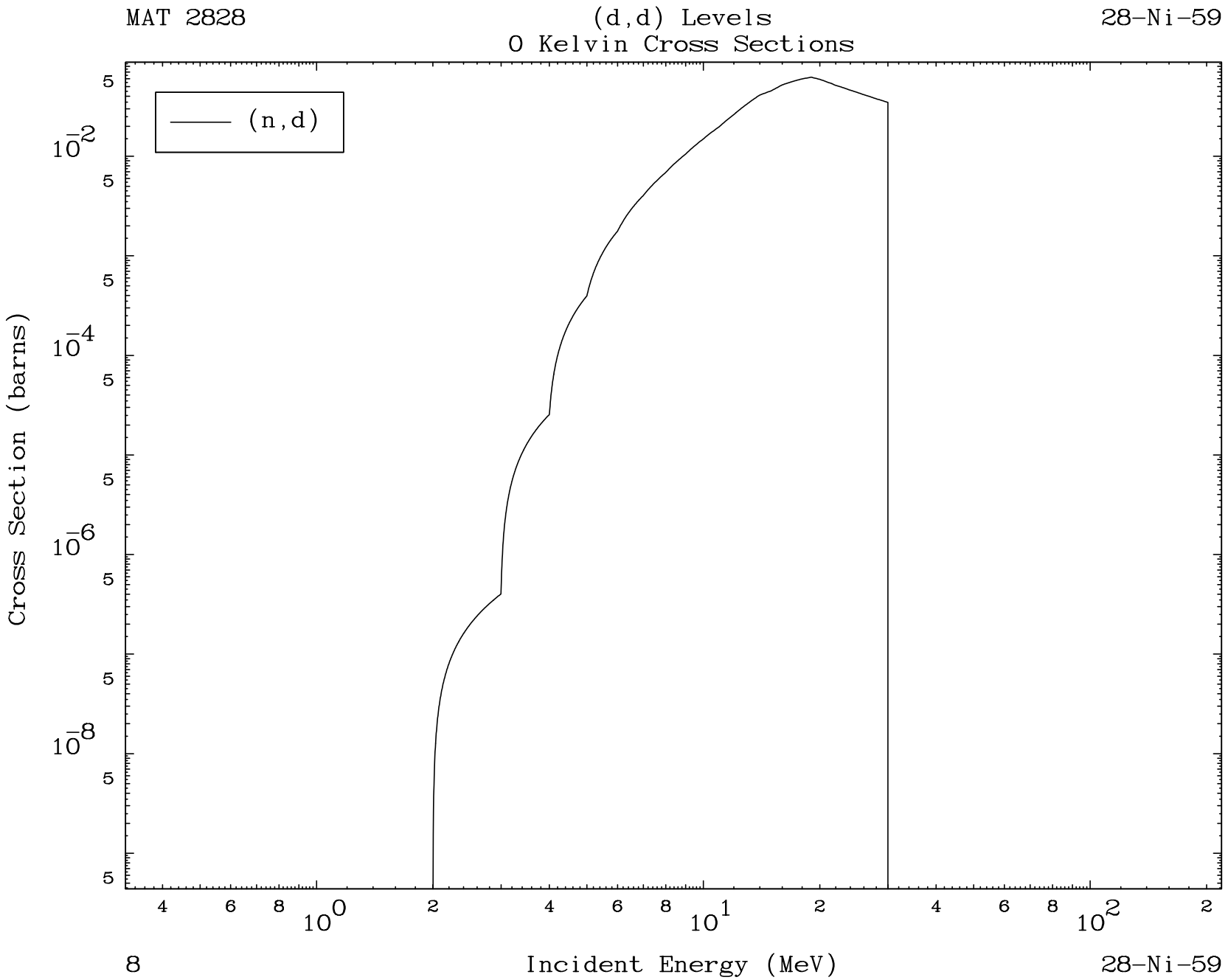

MAT 2828
Deuteron Neutron Absorption
0 Kelvin Cross Sections
28-Ni-59
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
28-Ni-59

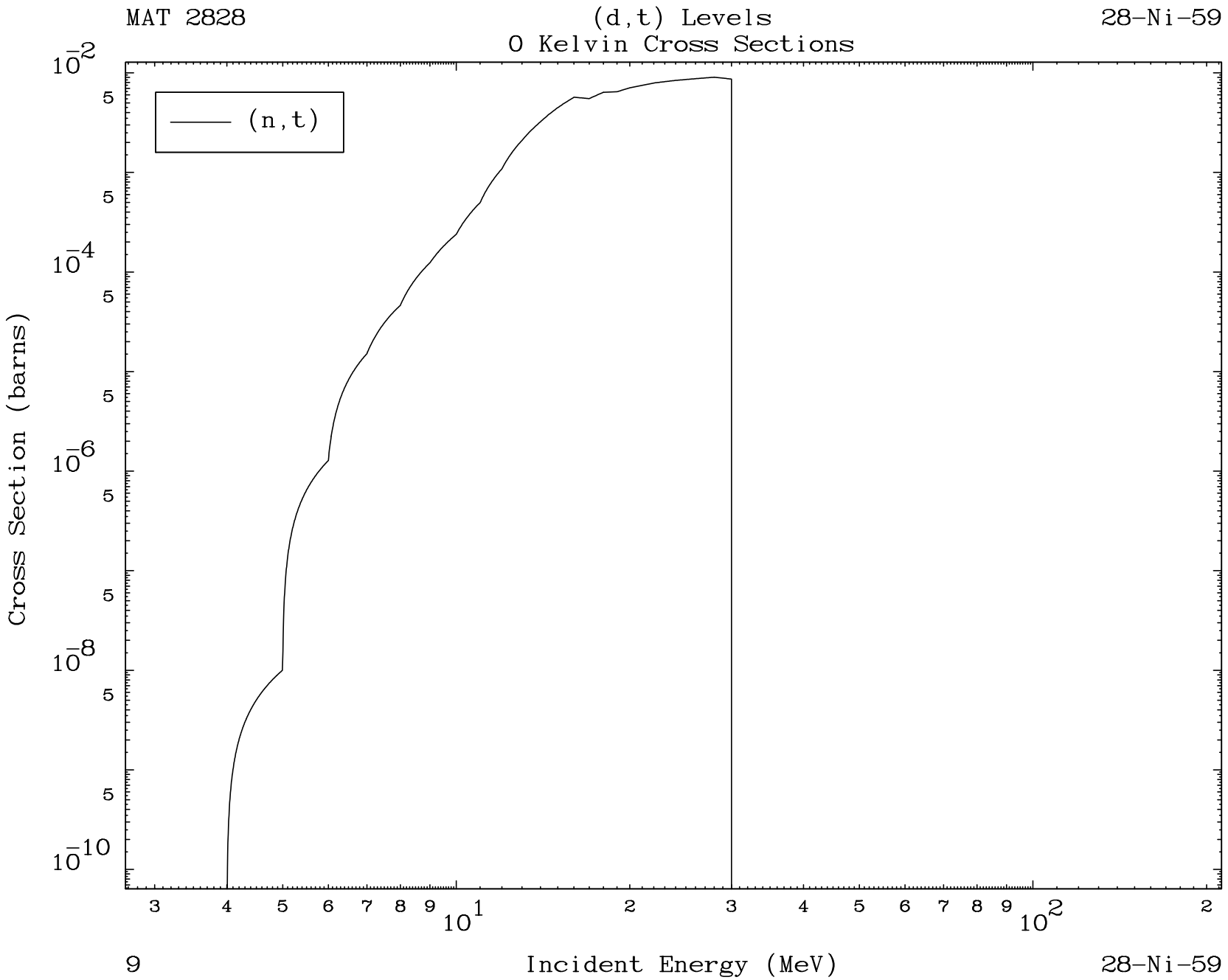

MAT 2828
Deuteron Neutron Absorption
0 Kelvin Cross Sections
28-Ni-59
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
28-Ni-59

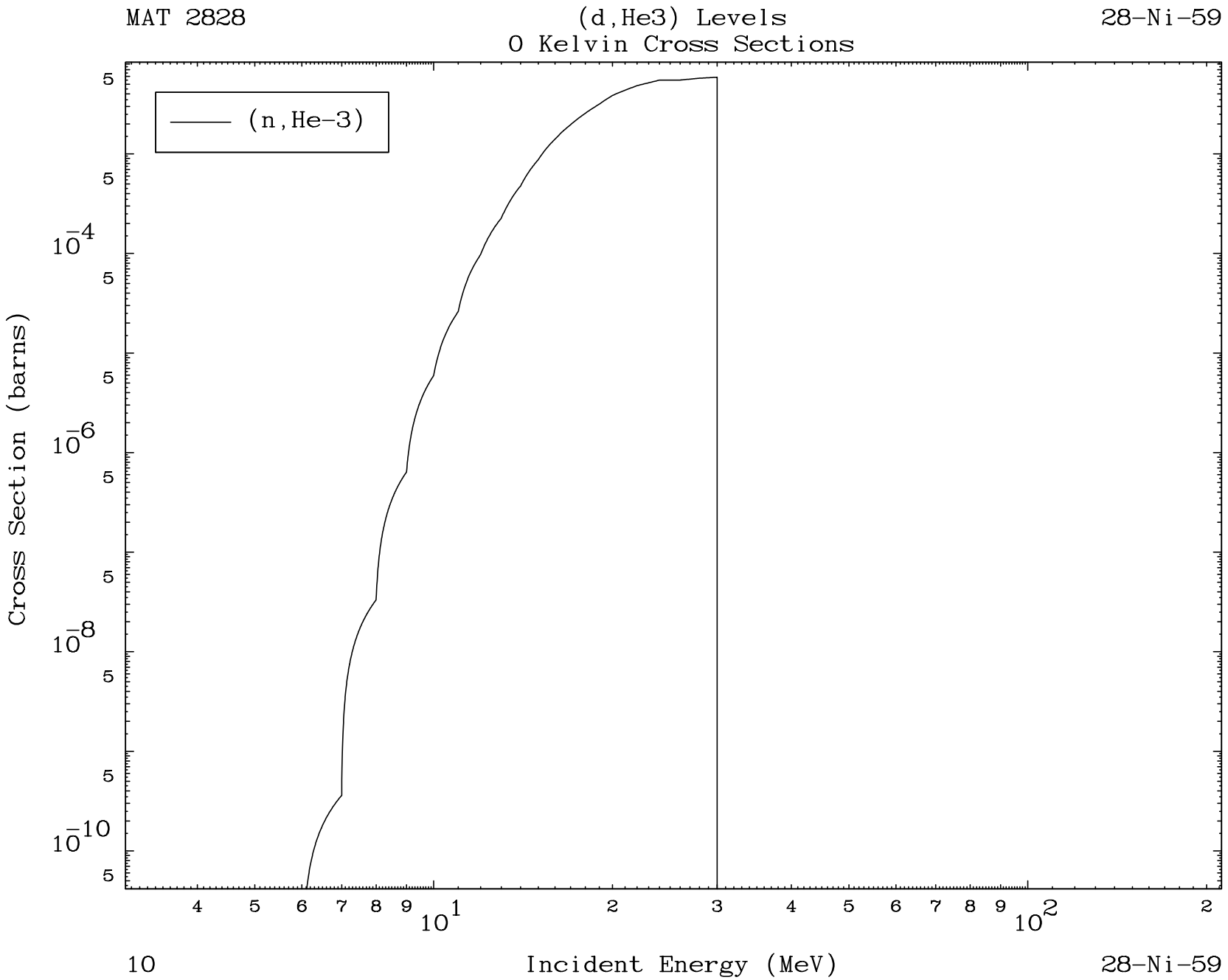

MAT 2828
Deuteron Charged Particle
0 Kelvin Cross Sections
28-Ni-59
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
28-Ni-59

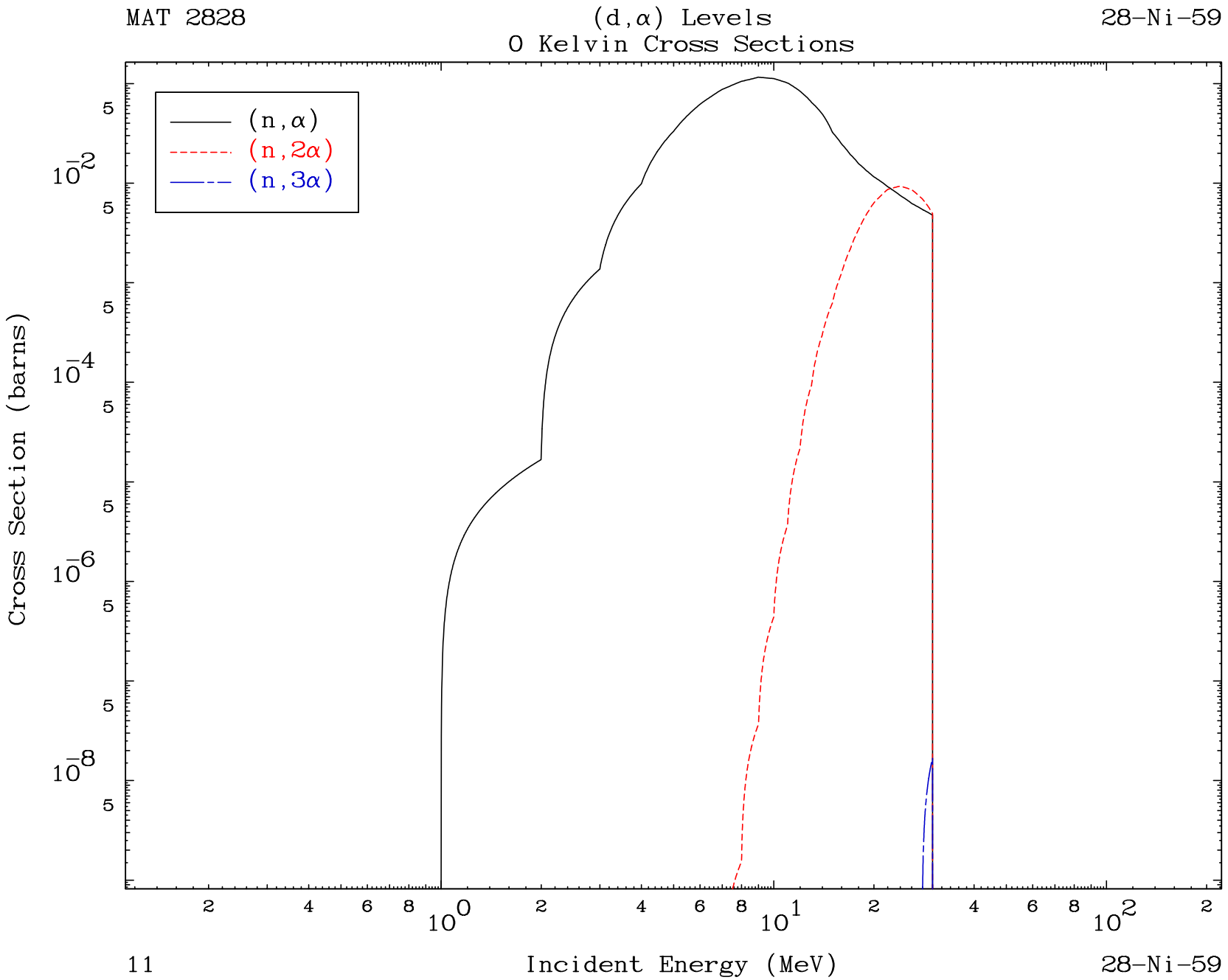

MAT 2828
Deuteron Charged Particle
0 Kelvin Cross Sections
28-Ni-59
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
28-Ni-59

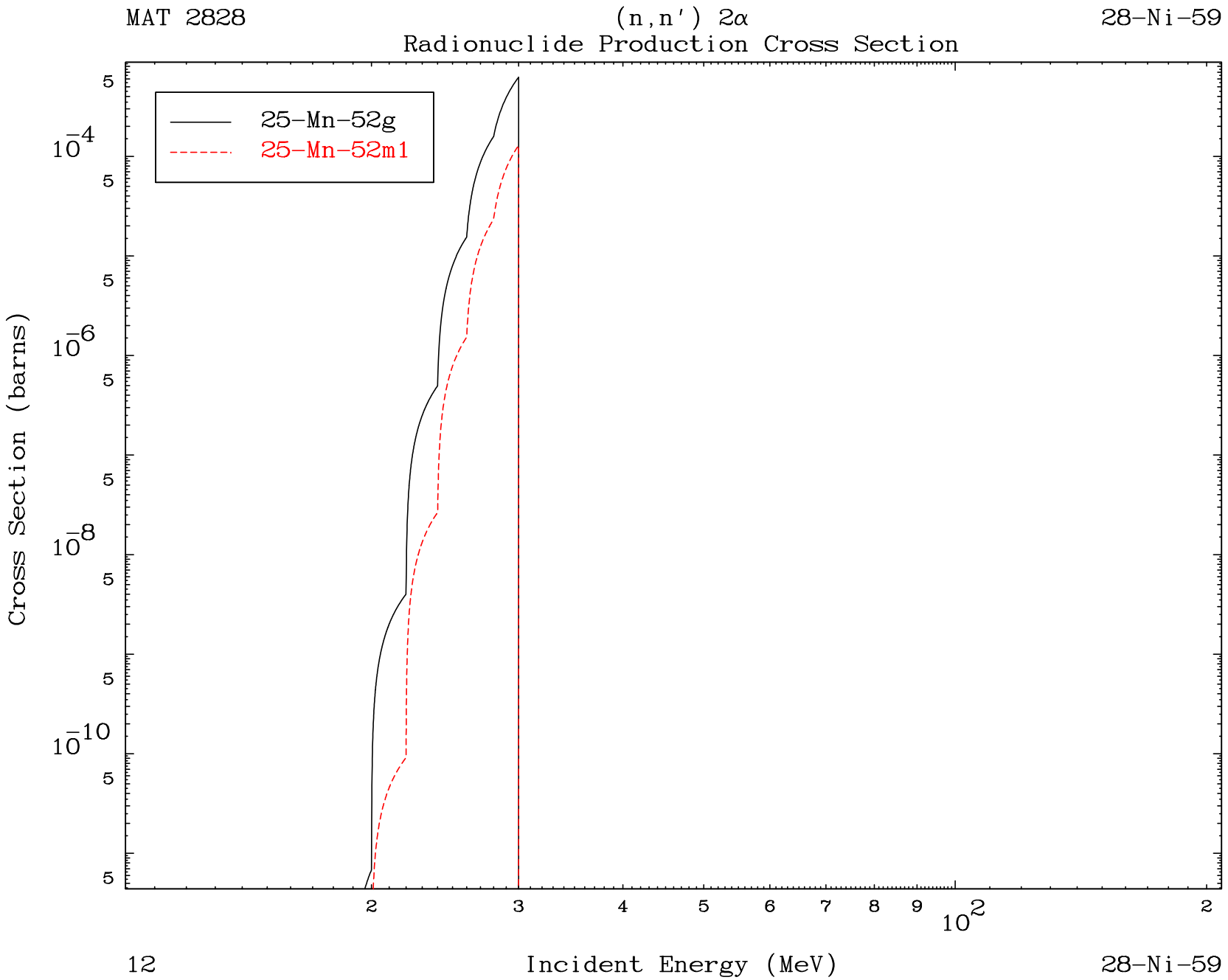

MAT 2828
(d,p) Levels
28-Ni-59
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
28-Ni-59

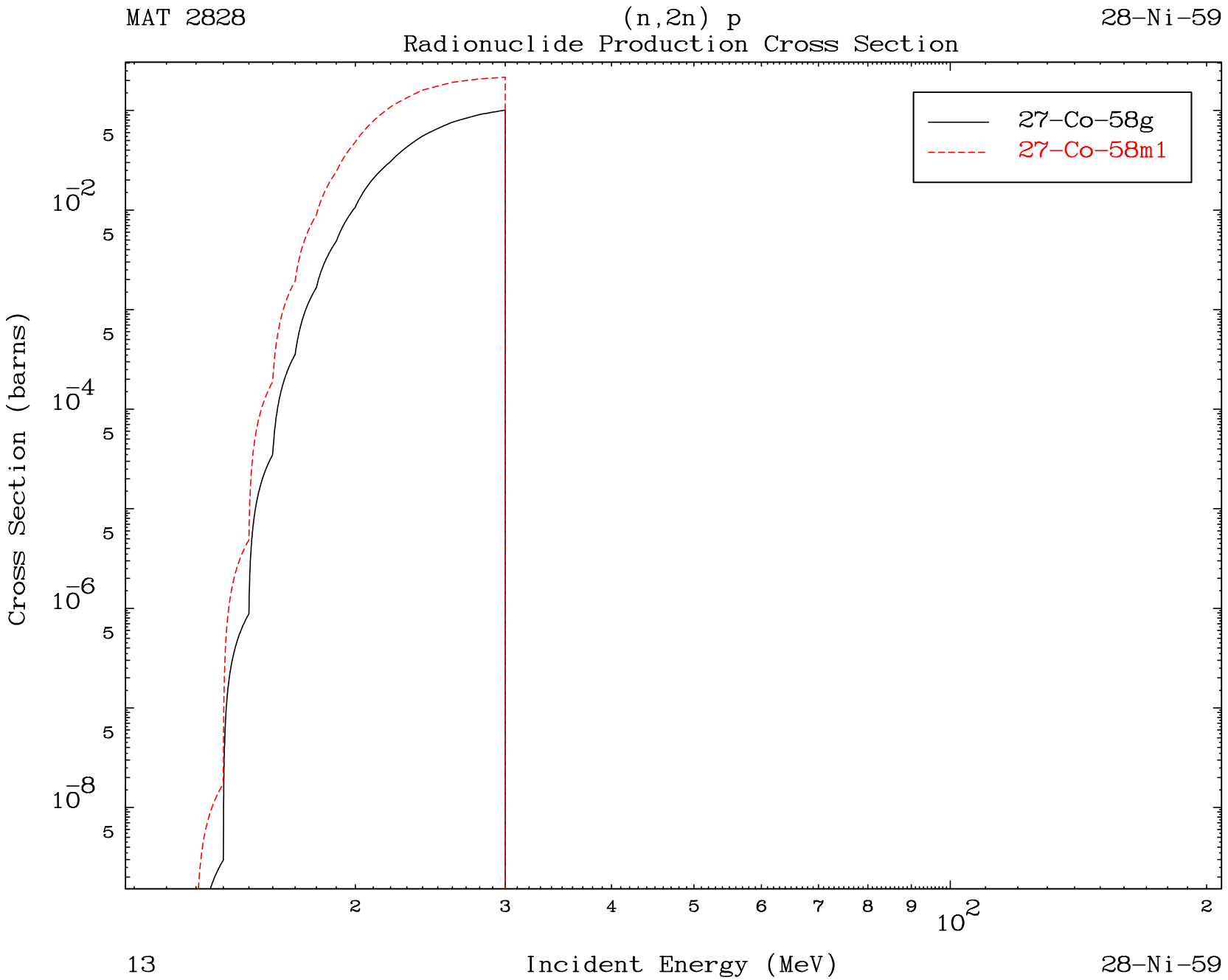

MAT 2828
(d,d) Levels
28-Ni-59
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
28-Ni-59

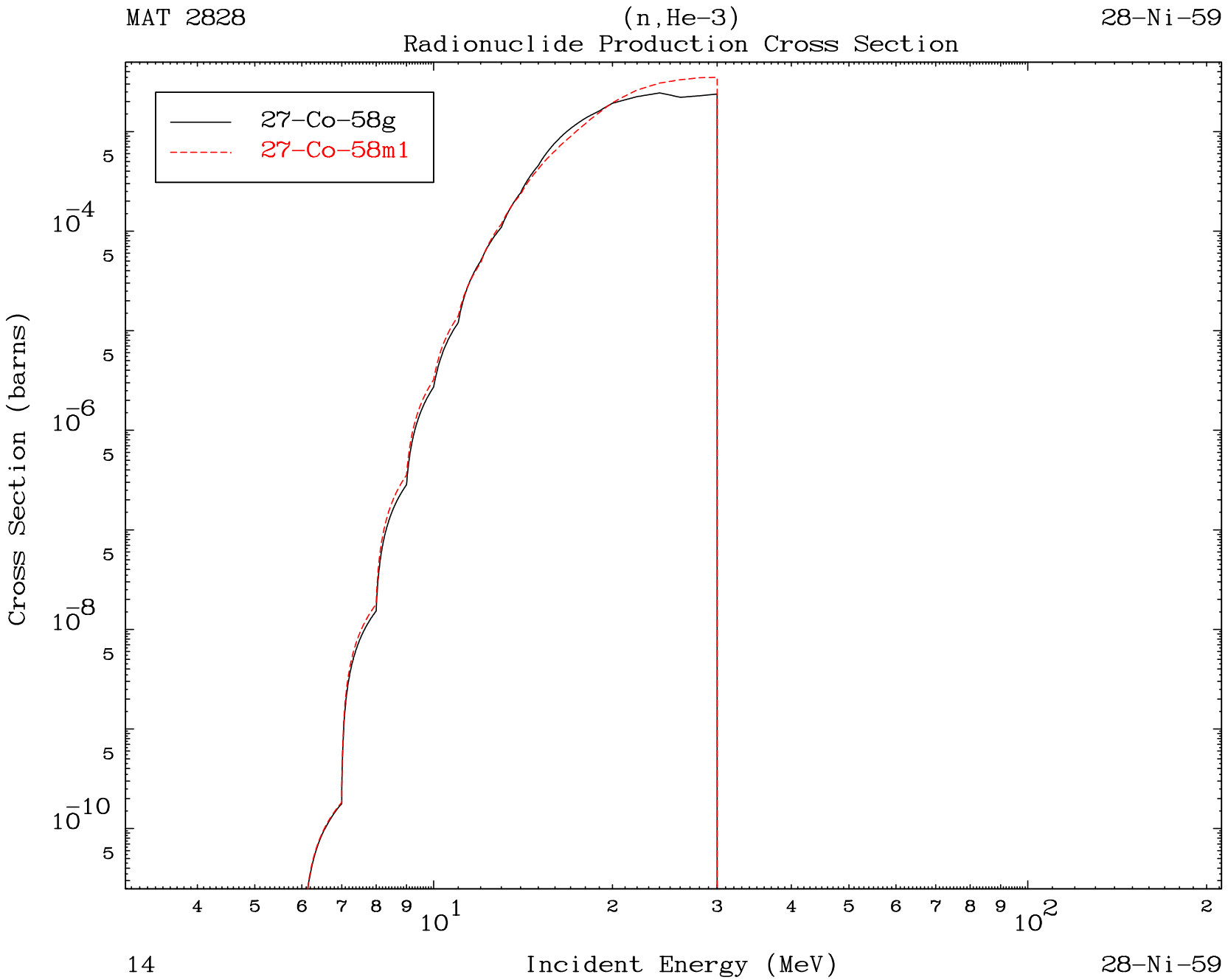

MAT 2828
(d,t) Levels
28-Ni-59
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
28-Ni-59

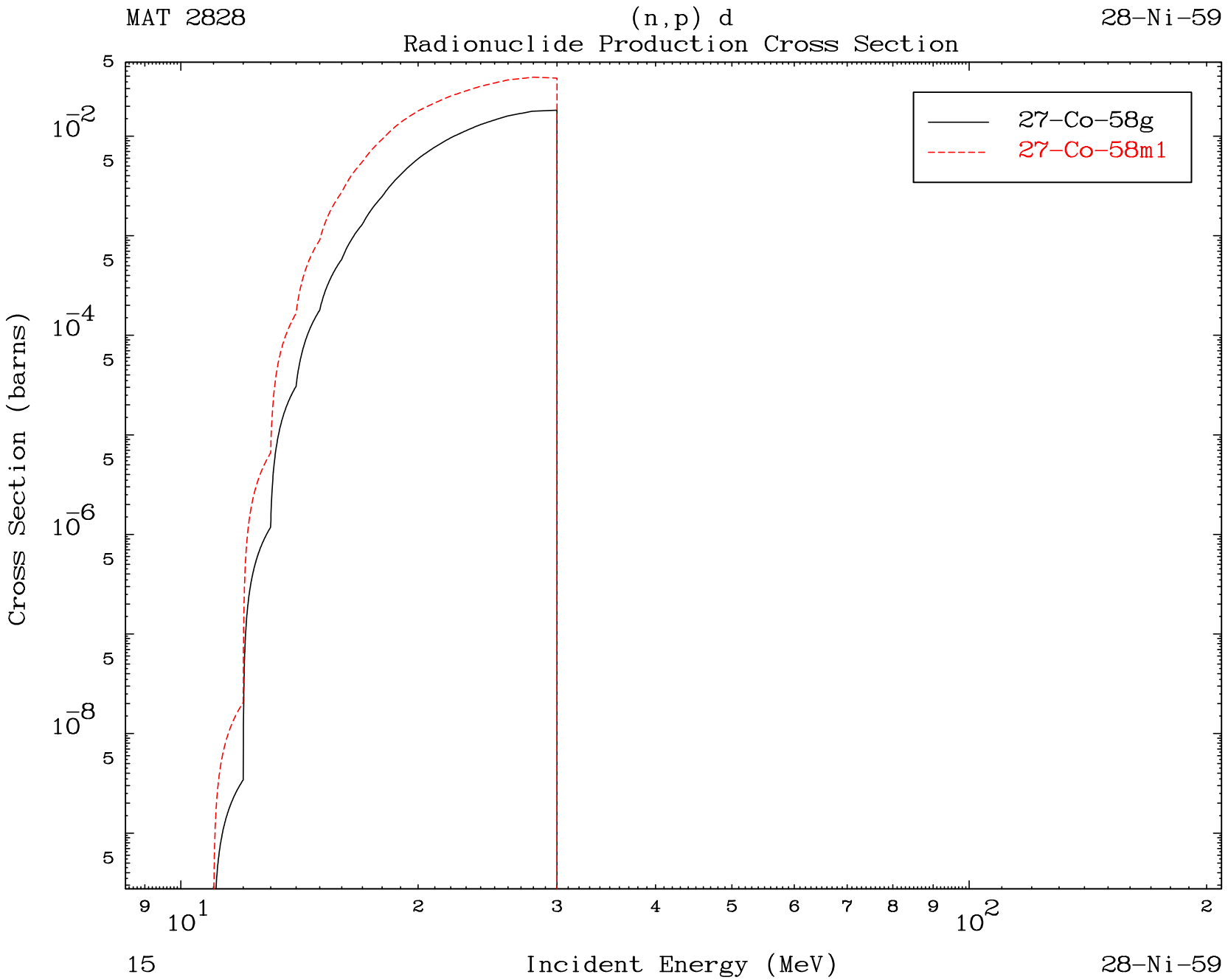

MAT 2828
(d,He3) Levels
28-Ni-59
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
28-Ni-59


MAT 2828
(d,α) Levels
28-Ni-59
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
Incident Energy (MeV)
11
28-Ni-59


MAT 2828
(n,n') 2α
28-Ni-59
Radionuclide Production Cross Section
25-Mn-52g
25-Mn-52m1
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)
28-Ni-59


MAT 2828
(n,2n) p
28-Ni-59
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
28-Ni-59


MAT 2828
(n,He-3)
28-Ni-59
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
14
28-Ni-59


MAT 2828
(n,p) d
28-Ni-59
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
Incident Energy (MeV)
15
28-Ni-59