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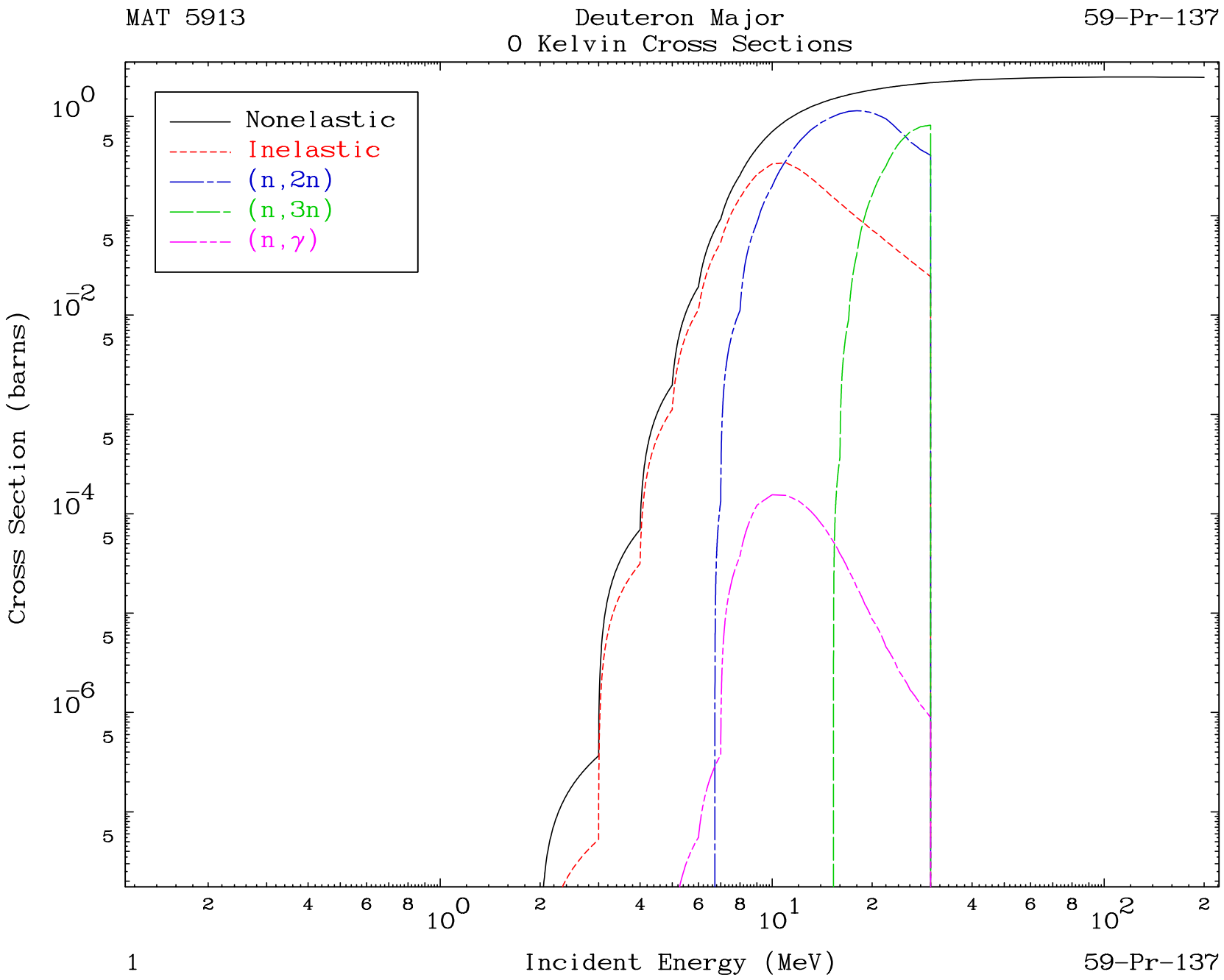
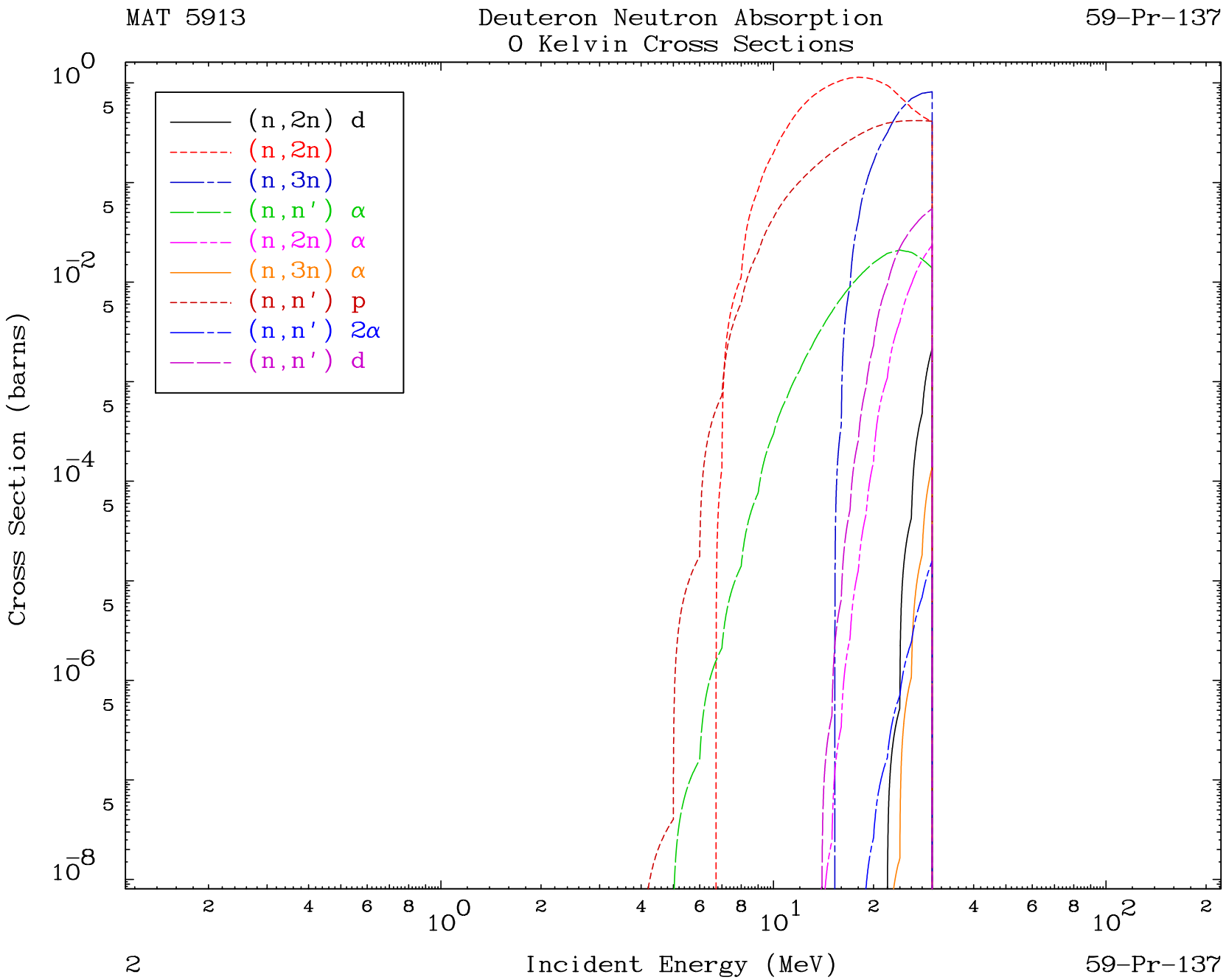
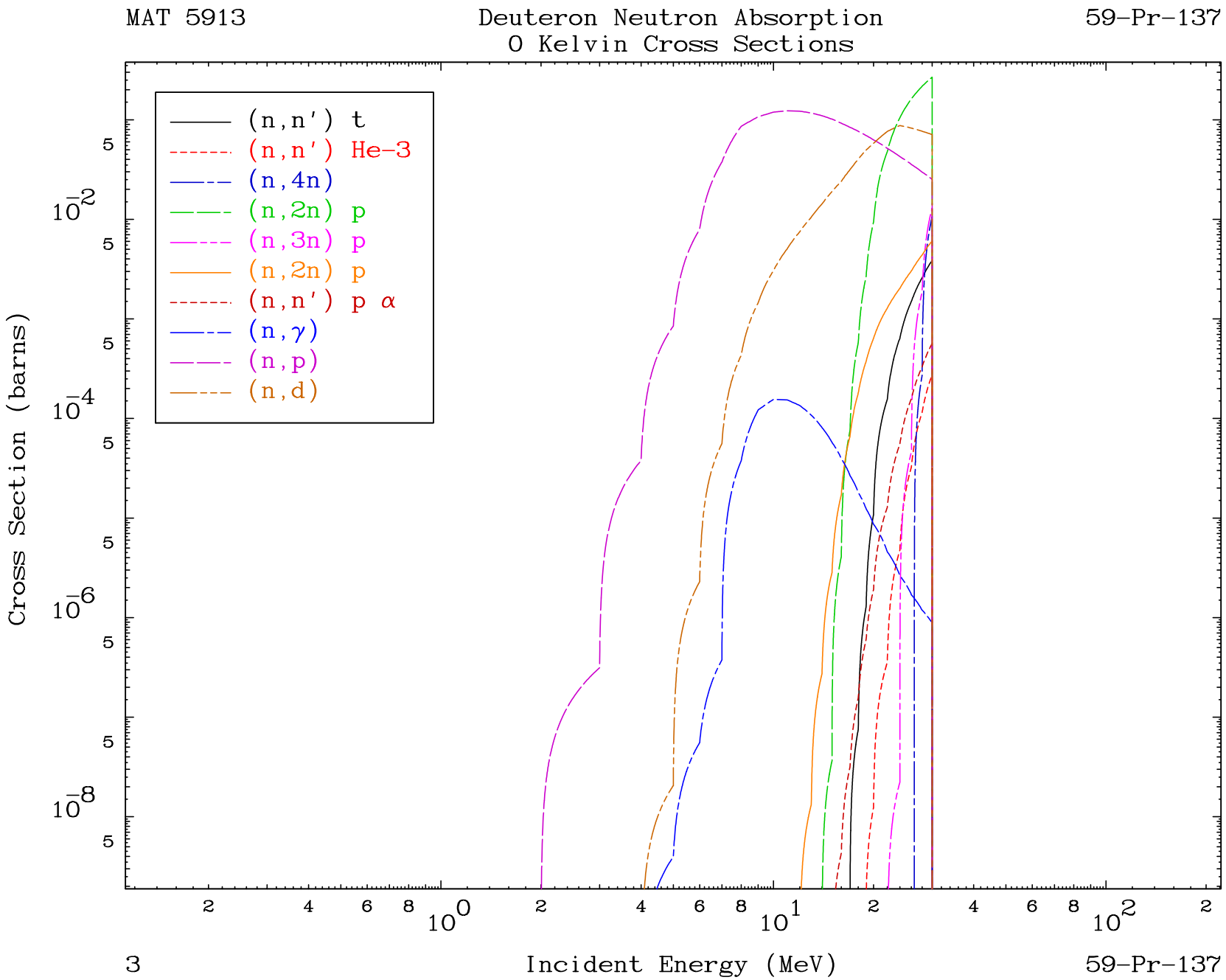
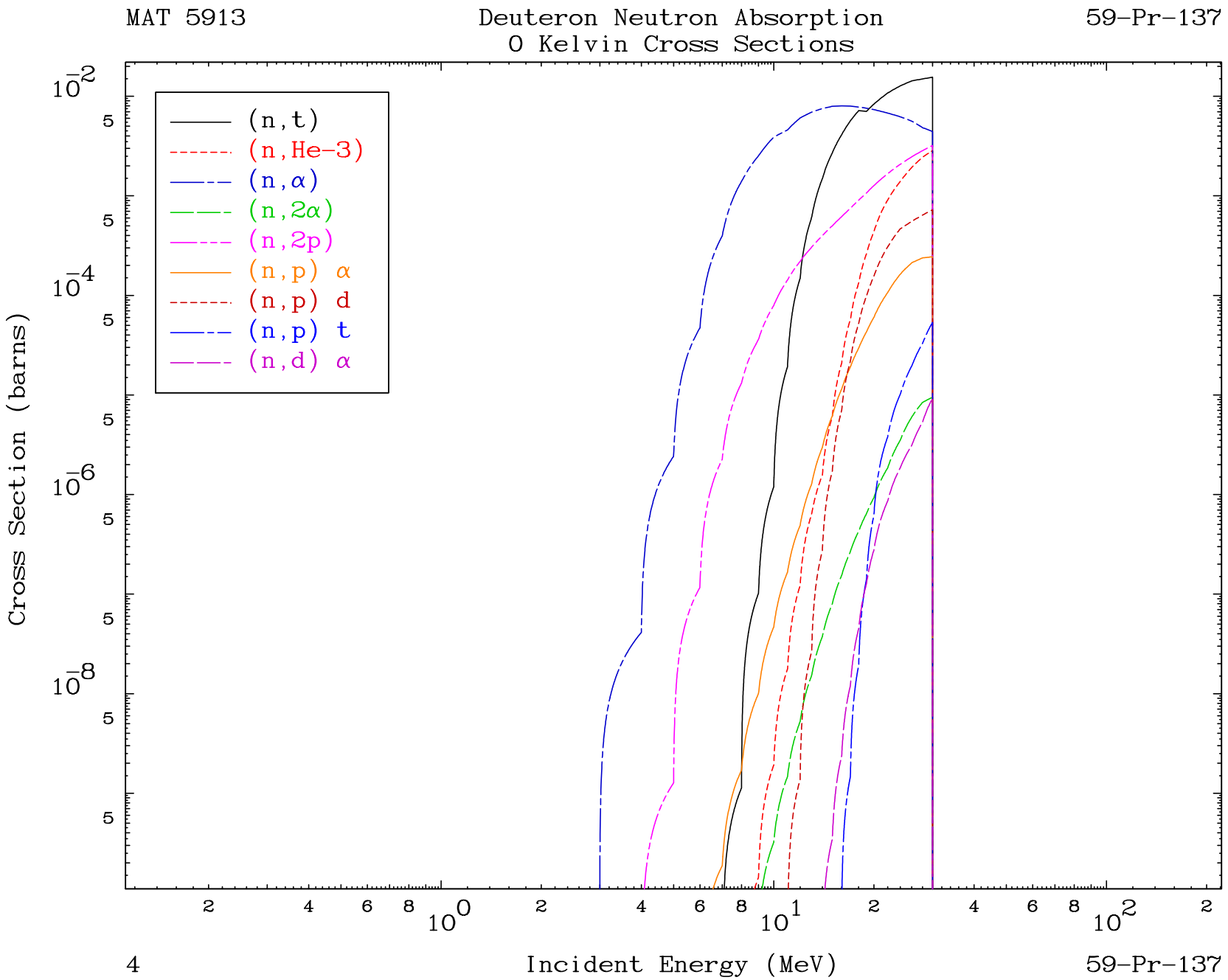
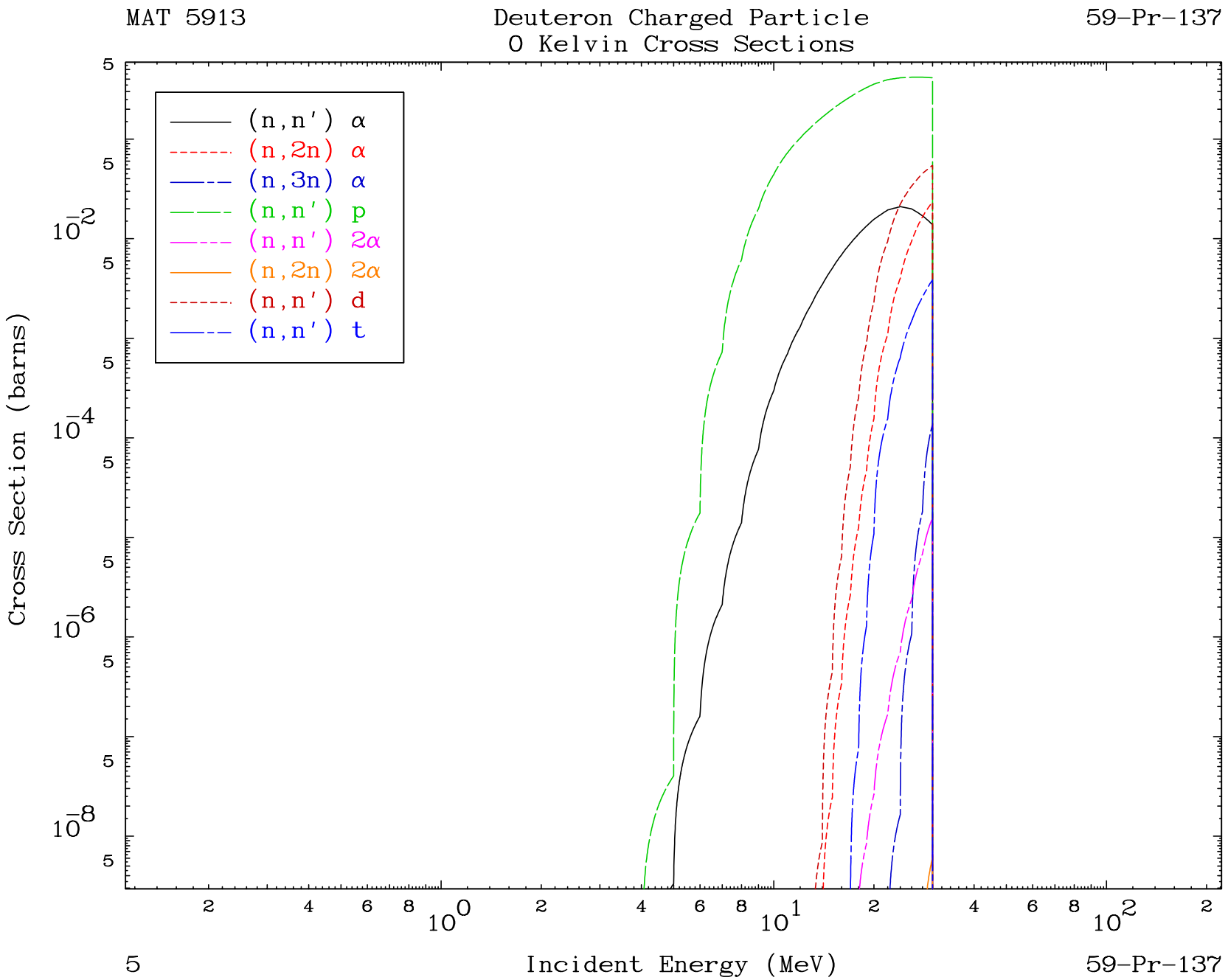
Press Mouse Button to Start

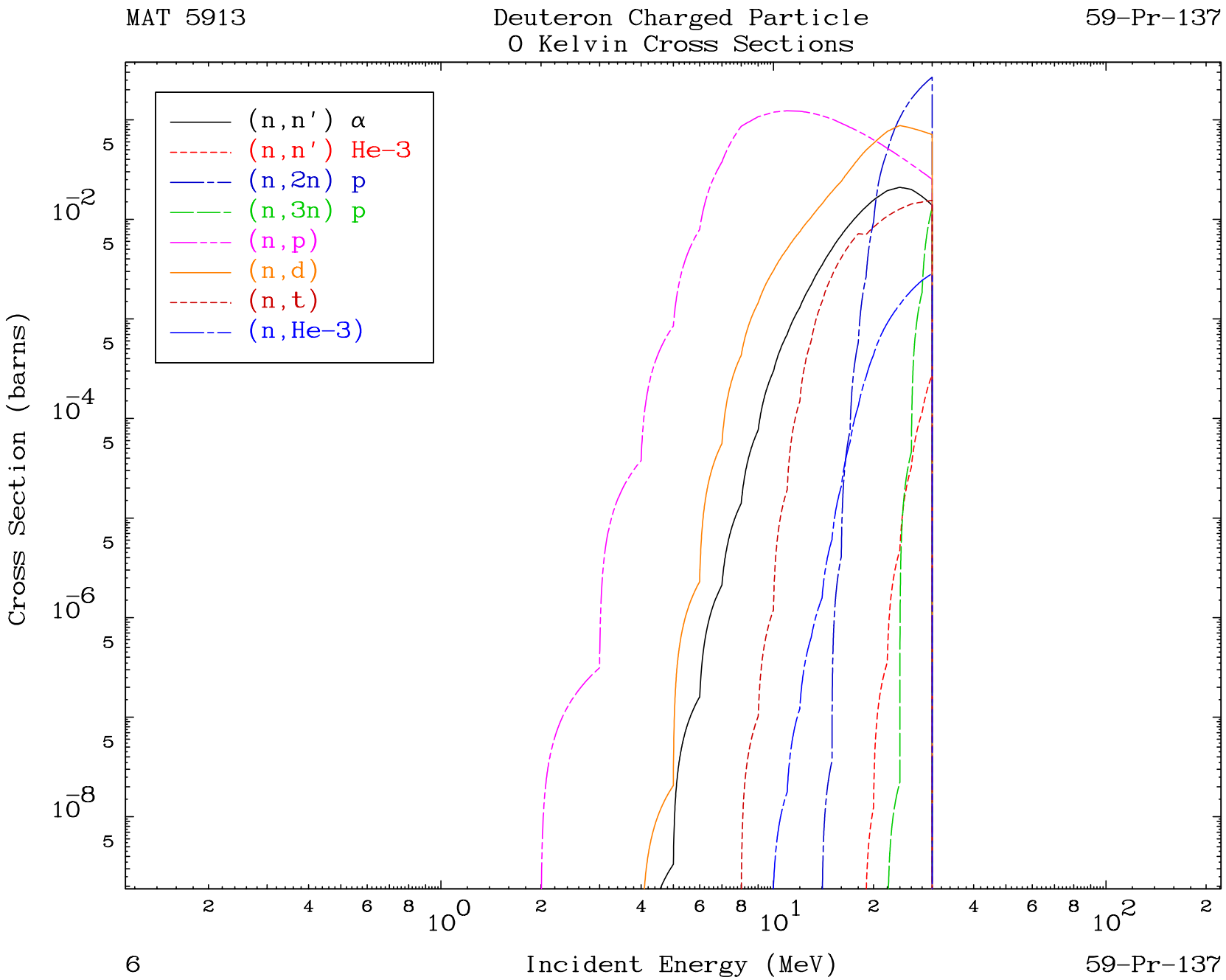

MAT 5913
Deuteron Major
0 Kelvin Cross Sections
59-Pr-137
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-137
1

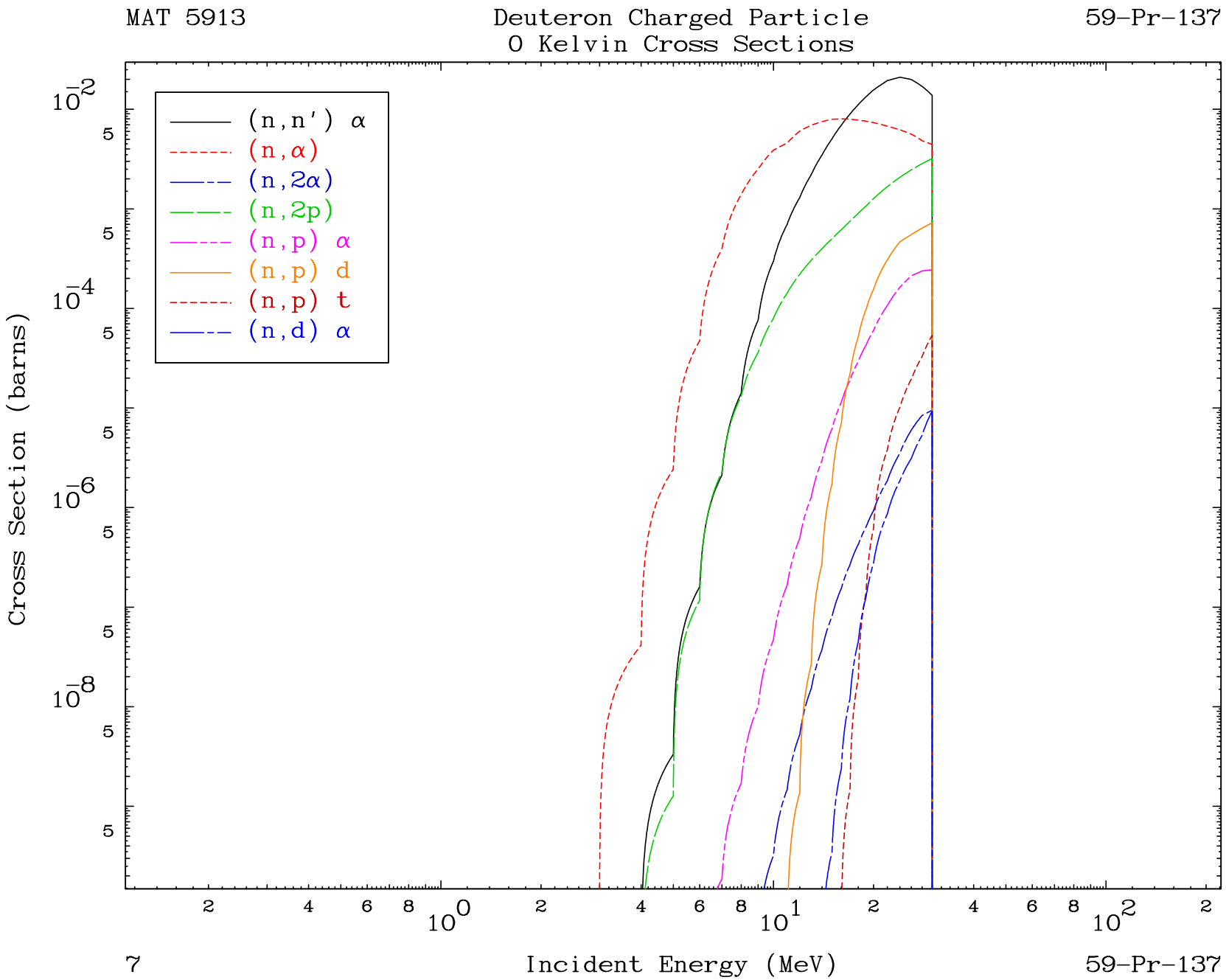

MAT 5913
Deuteron Neutron Absorption
0 Kelvin Cross Sections
59-Pr-137
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
59-Pr-137
2

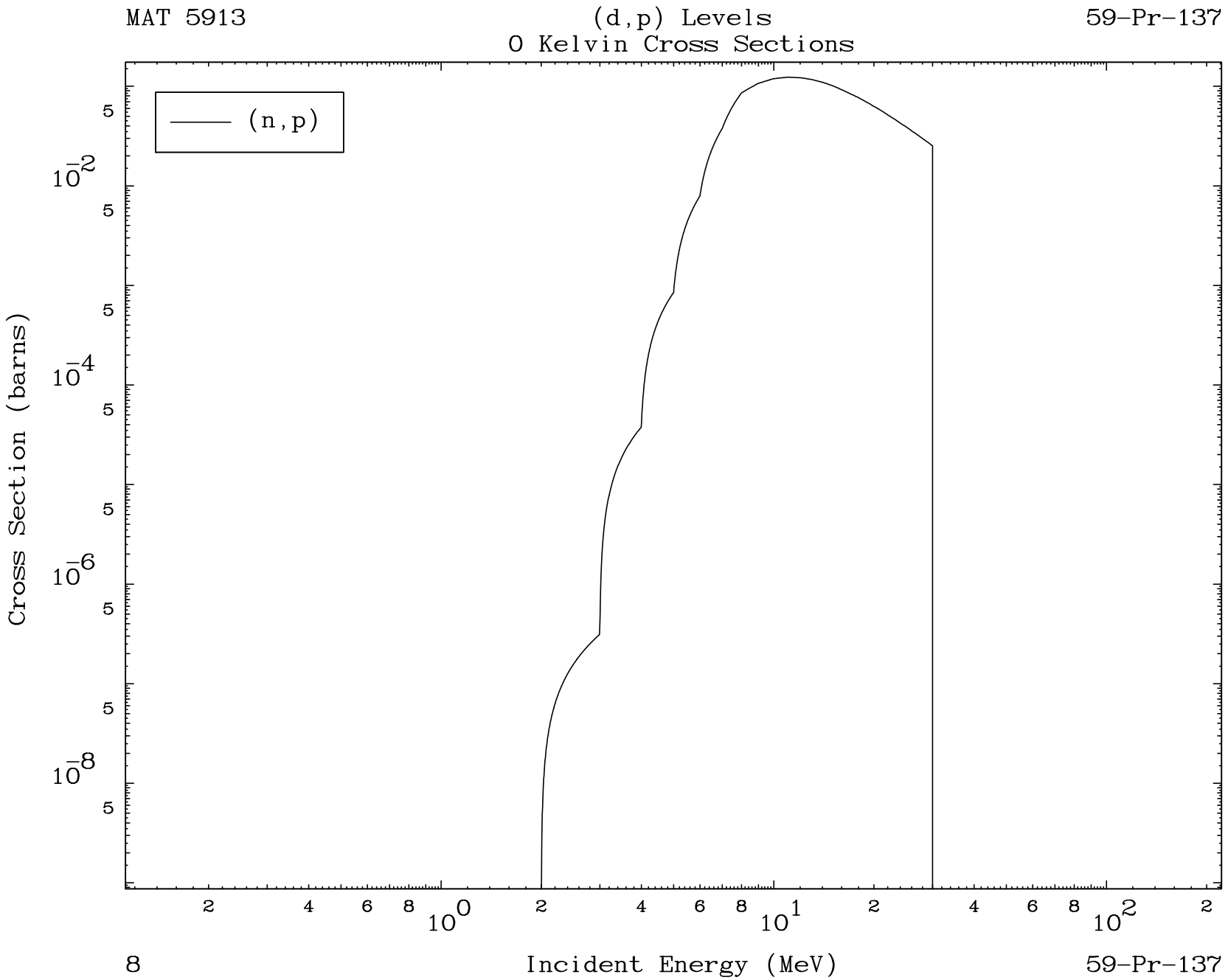

MAT 5913
Deuteron Neutron Absorption
0 Kelvin Cross Sections
59-Pr-137
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-137

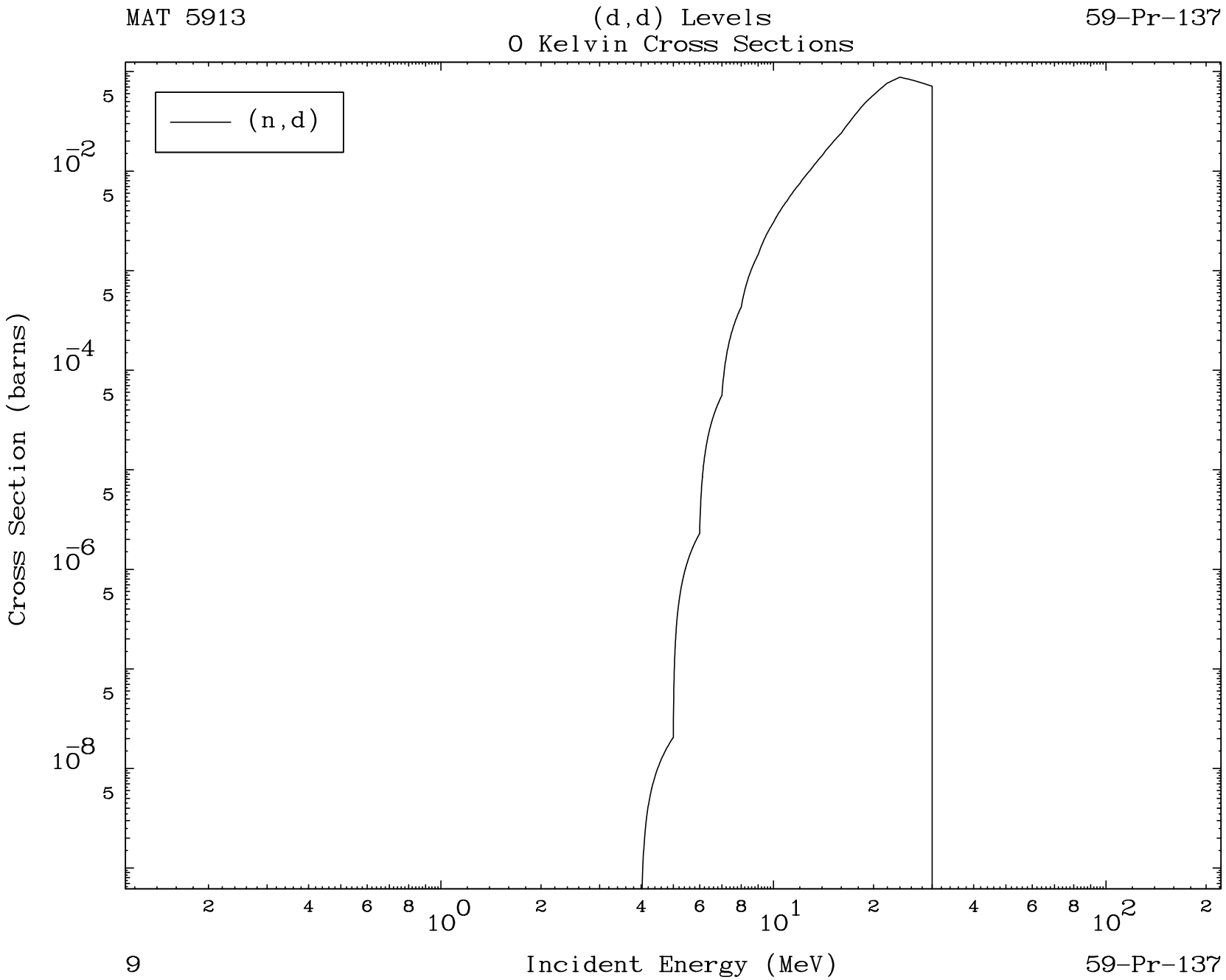

MAT 5913
Deuteron Neutron Absorption
0 Kelvin Cross Sections
59-Pr-137
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-137

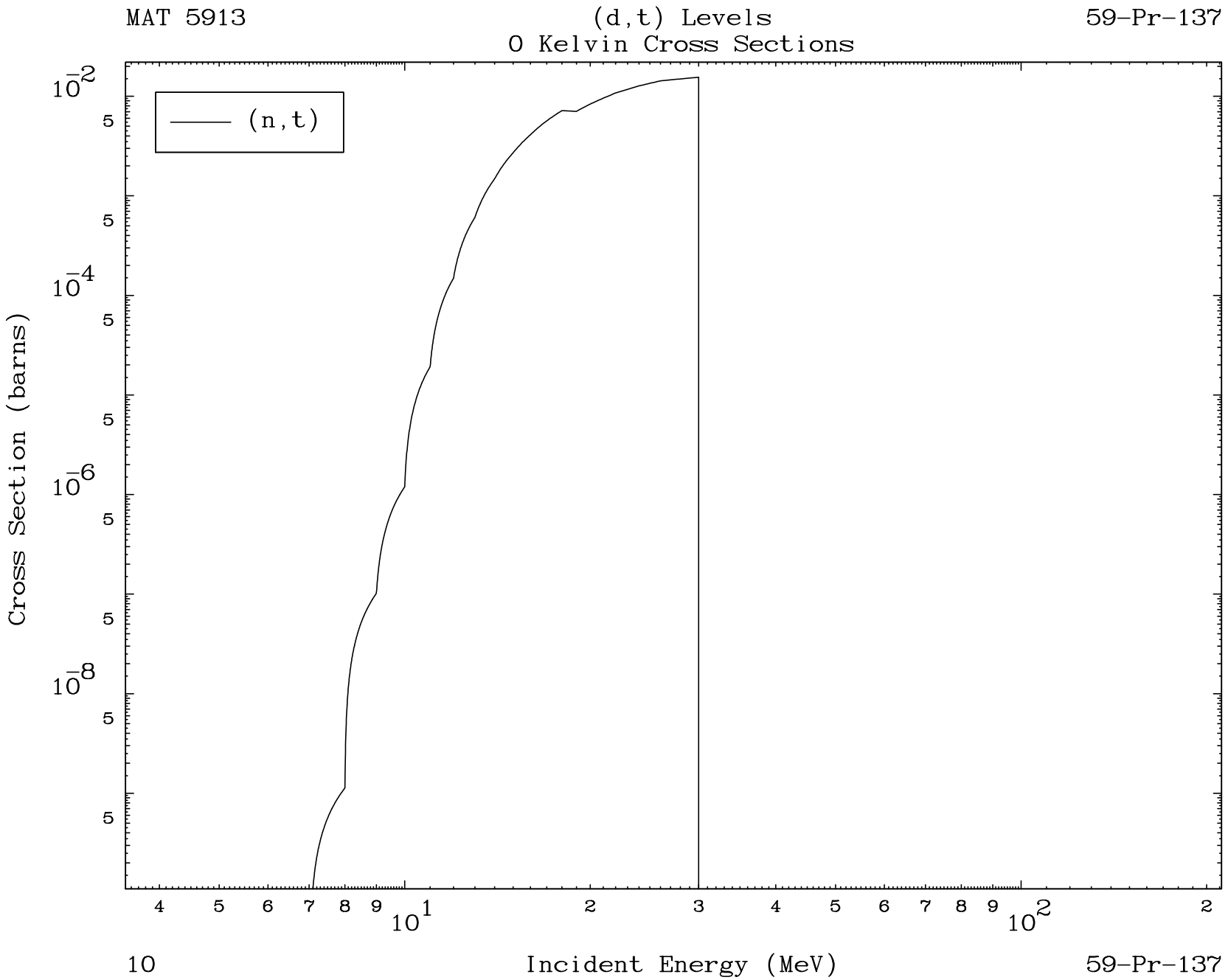

MAT 5913
Deuteron Charged Particle
0 Kelvin Cross Sections
59-Pr-137
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
59-Pr-137

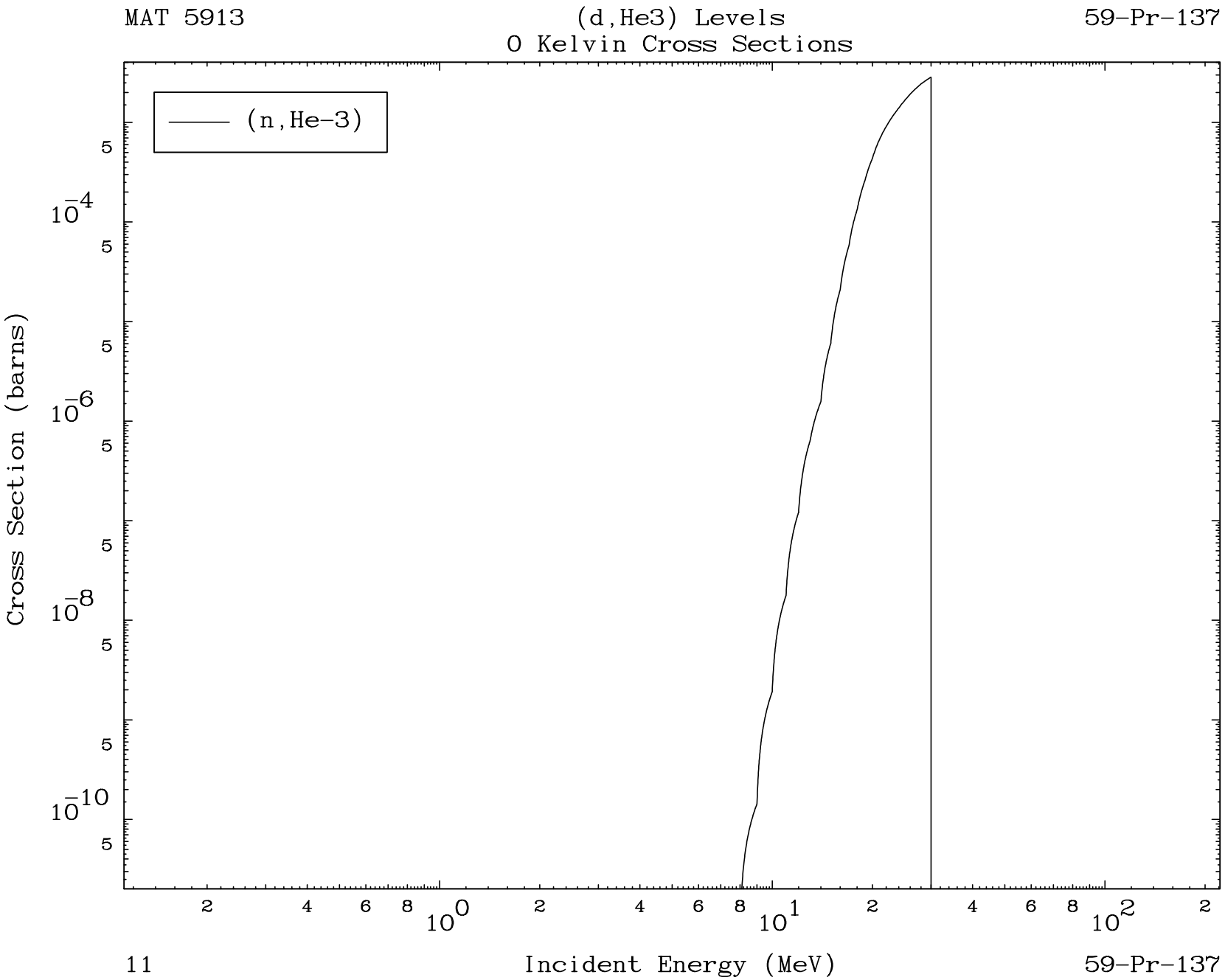

MAT 5913
Deuteron Charged Particle
0 Kelvin Cross Sections
59-Pr-137
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
59-Pr-137

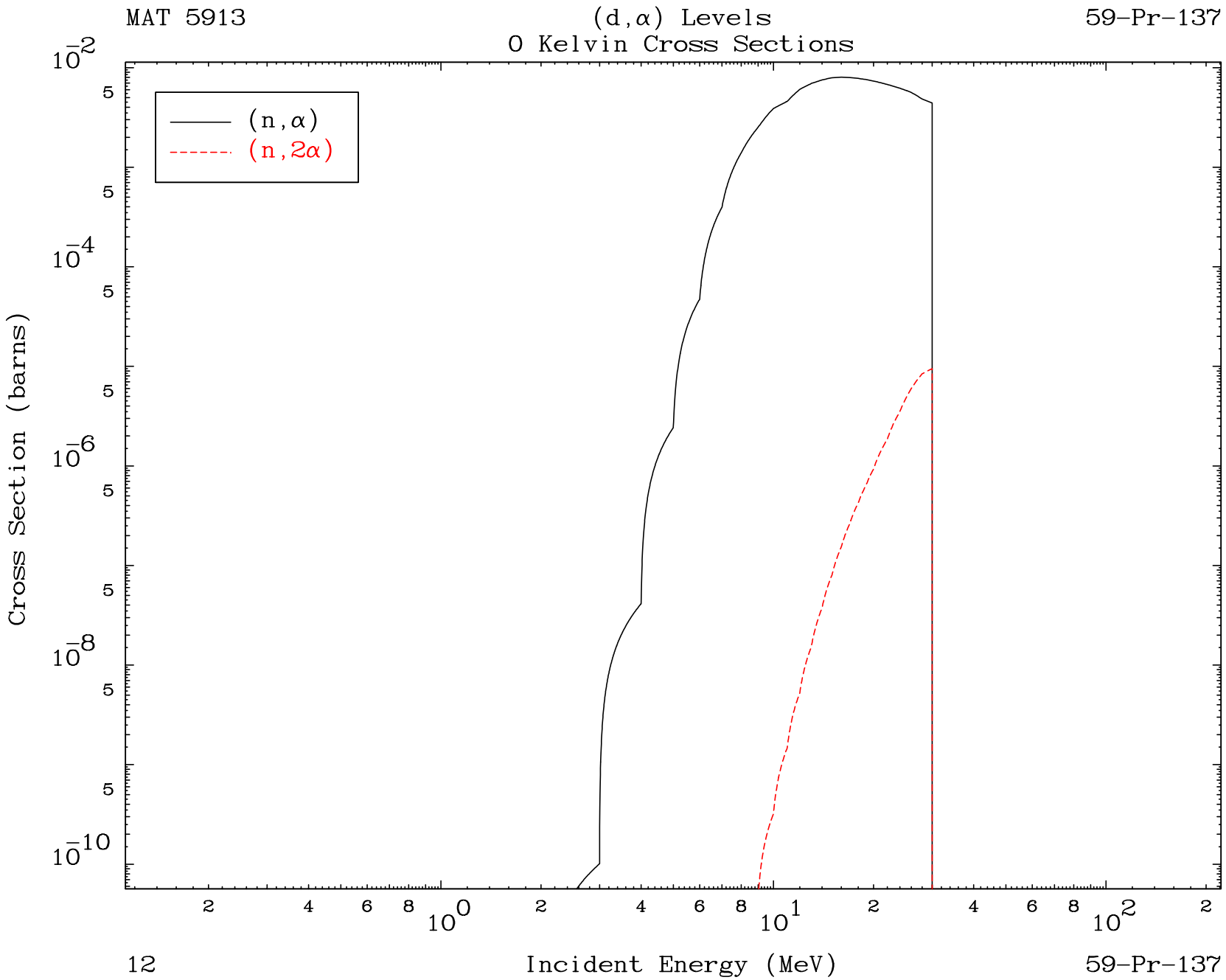

MAT 5913
Deuteron Charged Particle
0 Kelvin Cross Sections
59-Pr-137
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
59-Pr-137

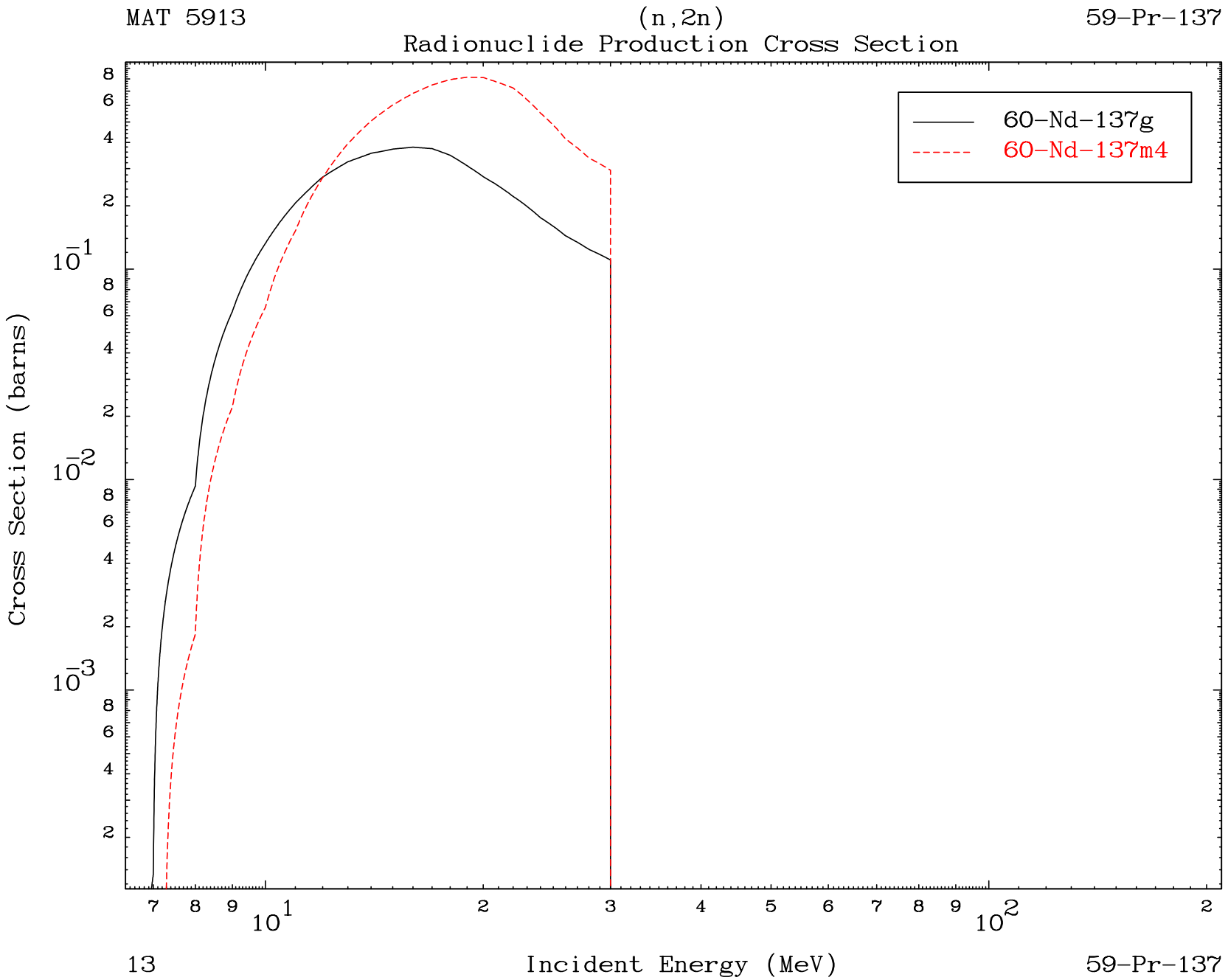

MAT 5913
(d,p) Levels
59-Pr-137
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
59-Pr-137

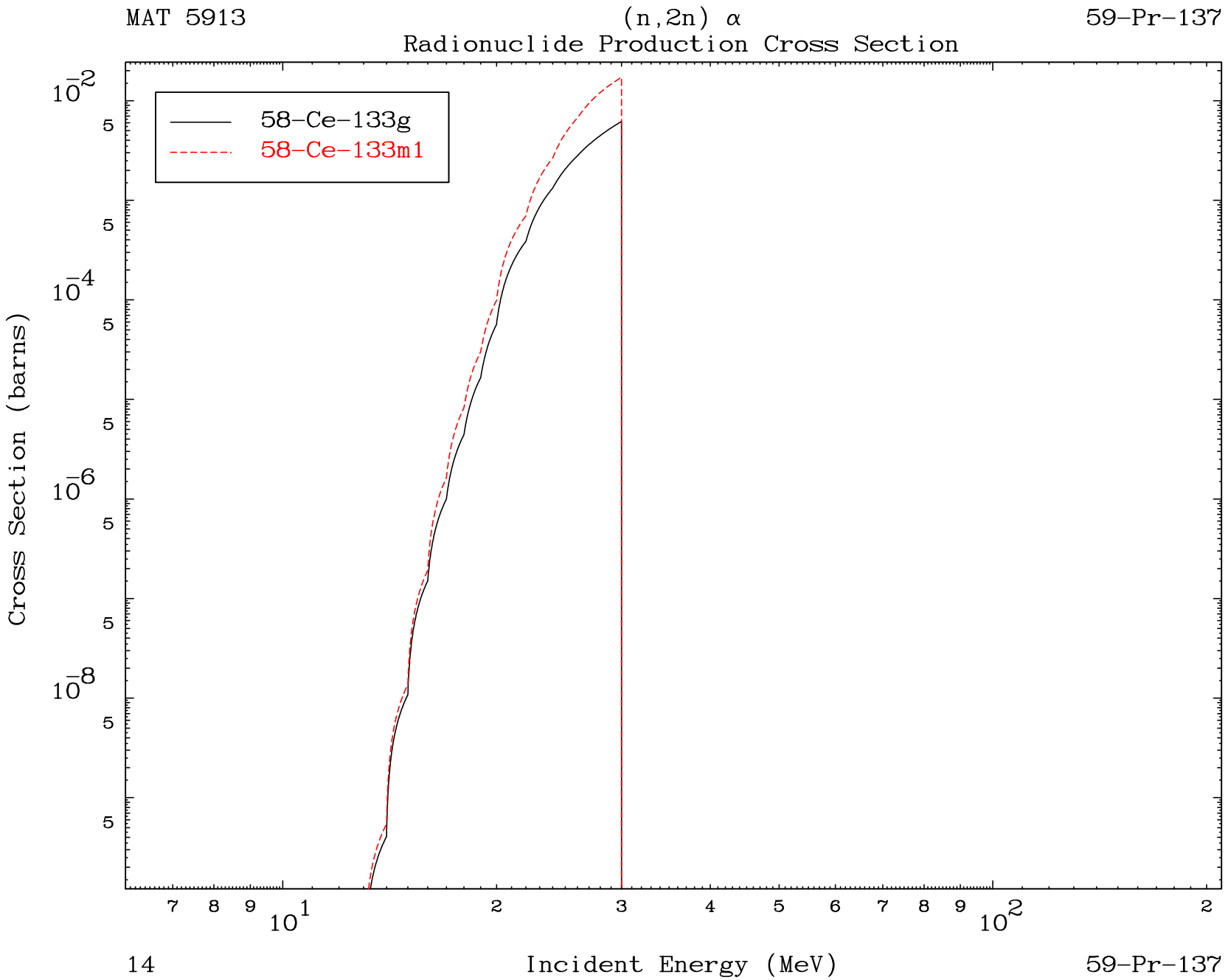

MAT 5913
(d,d) Levels
59-Pr-137
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-137

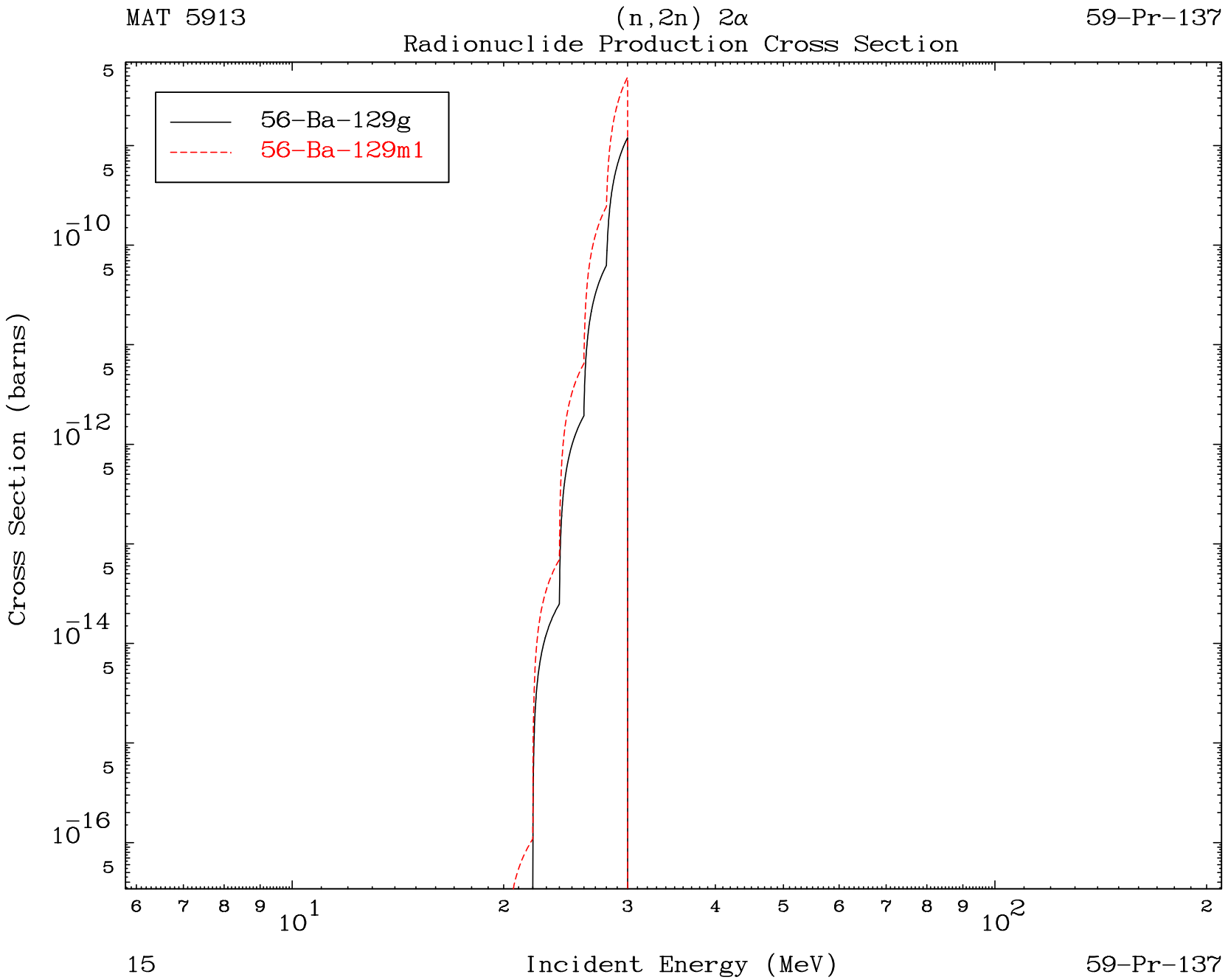

MAT 5913
(d,t) Levels
59-Pr-137
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-137

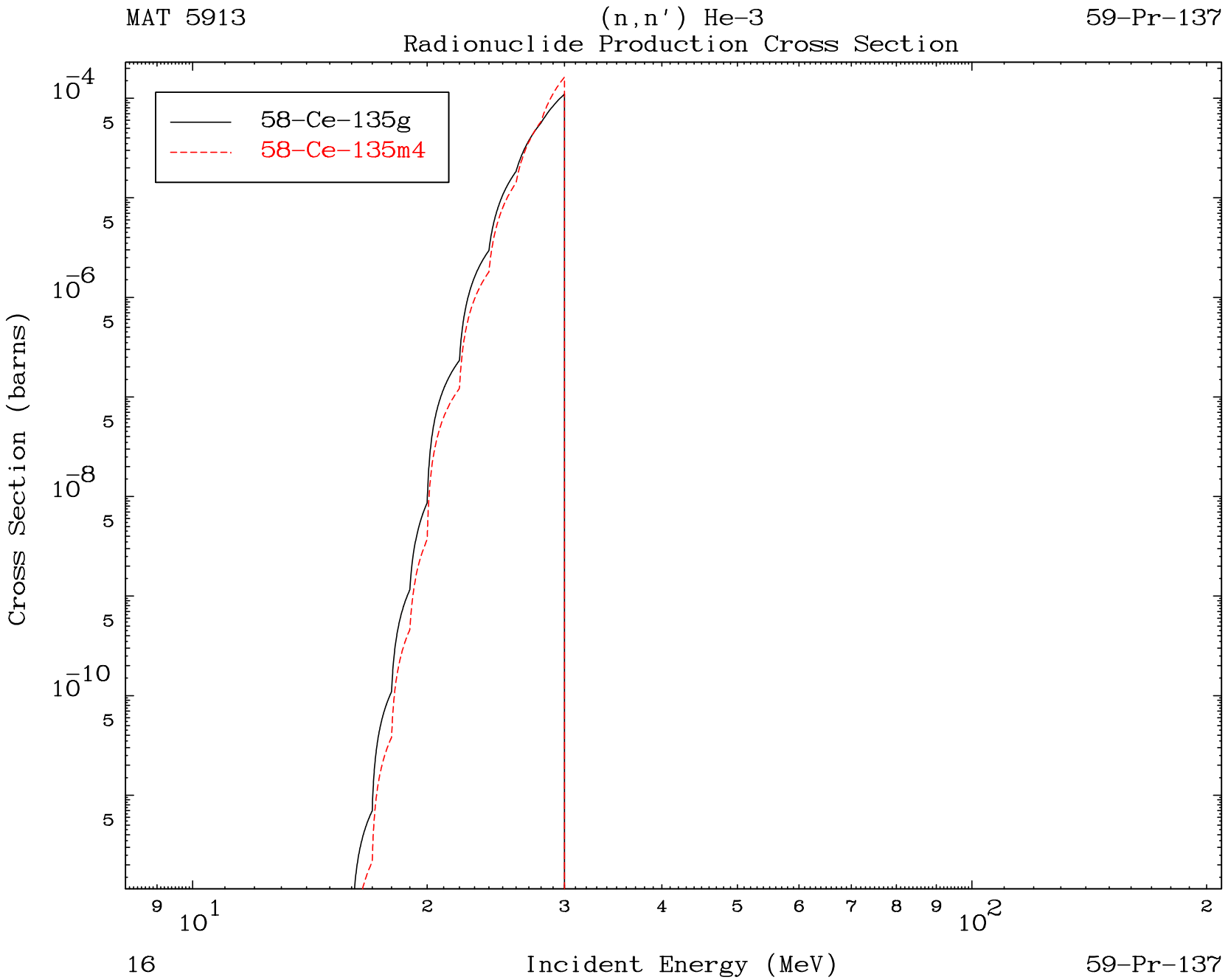

MAT 5913
(d,He3) Levels
59-Pr-137
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
59-Pr-137

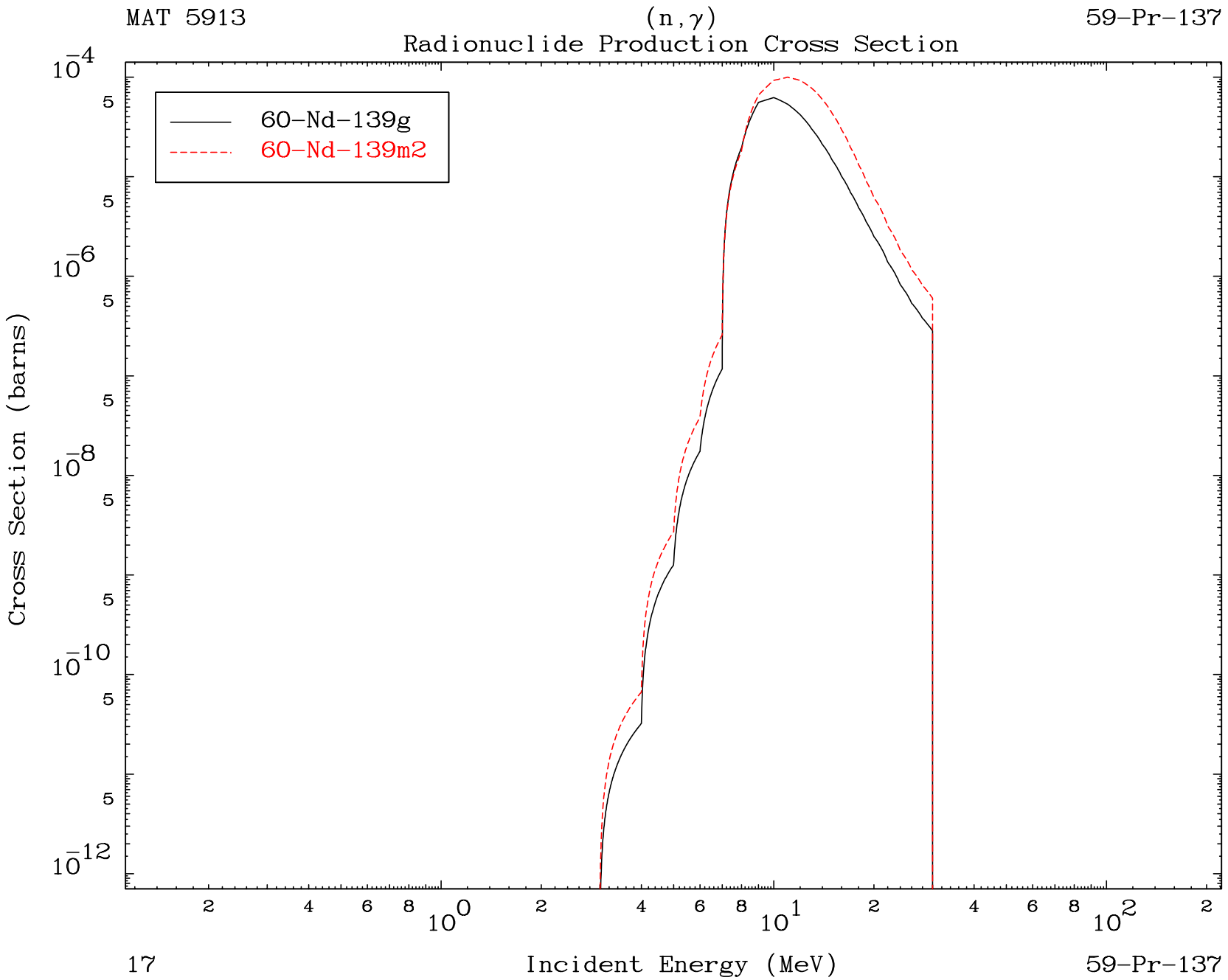

MAT 5913
(d,α) Levels
59-Pr-137
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
59-Pr-137

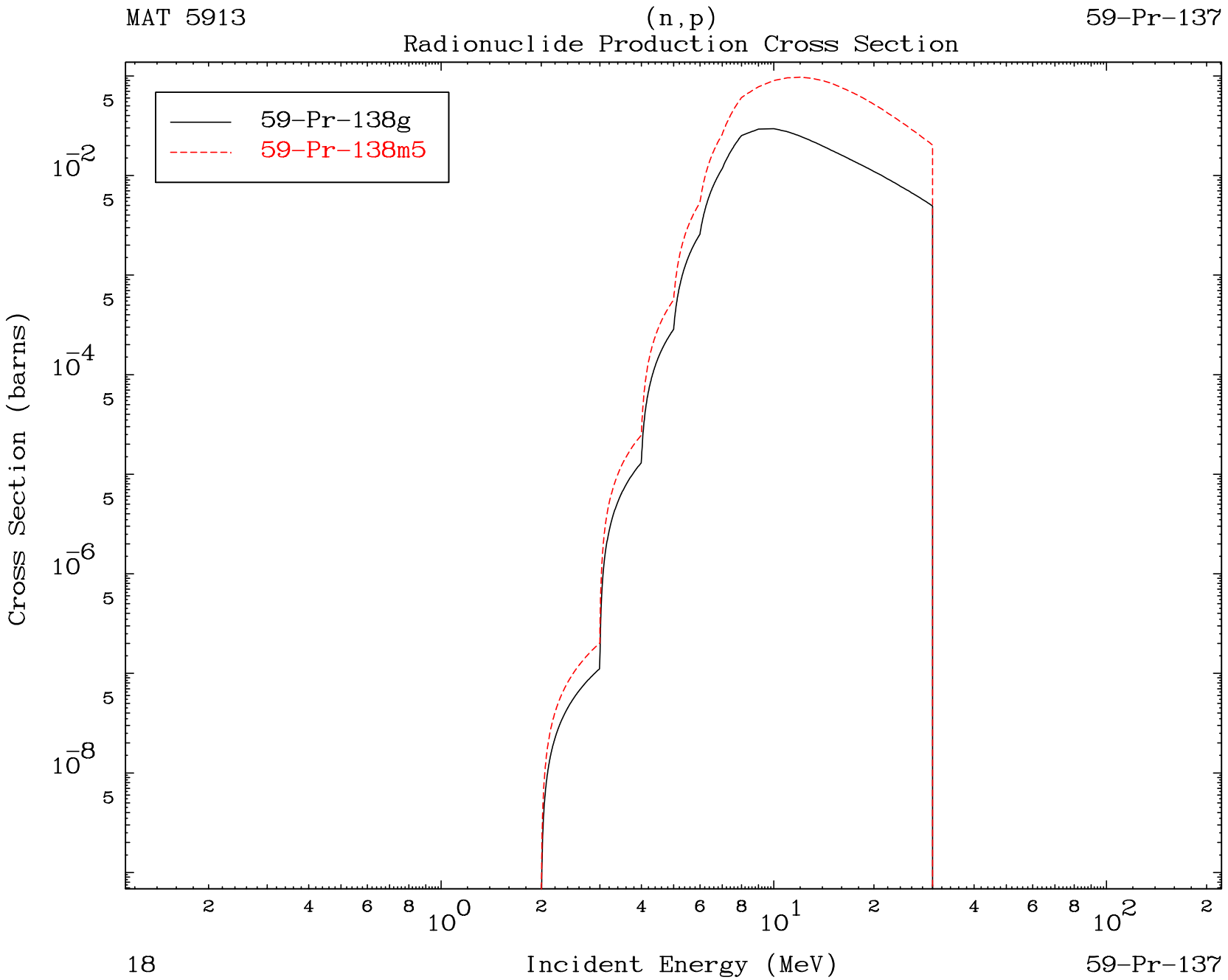

MAT 5913
(n,2n)
59-Pr-137
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
Incident Energy (MeV)
13
59-Pr-137

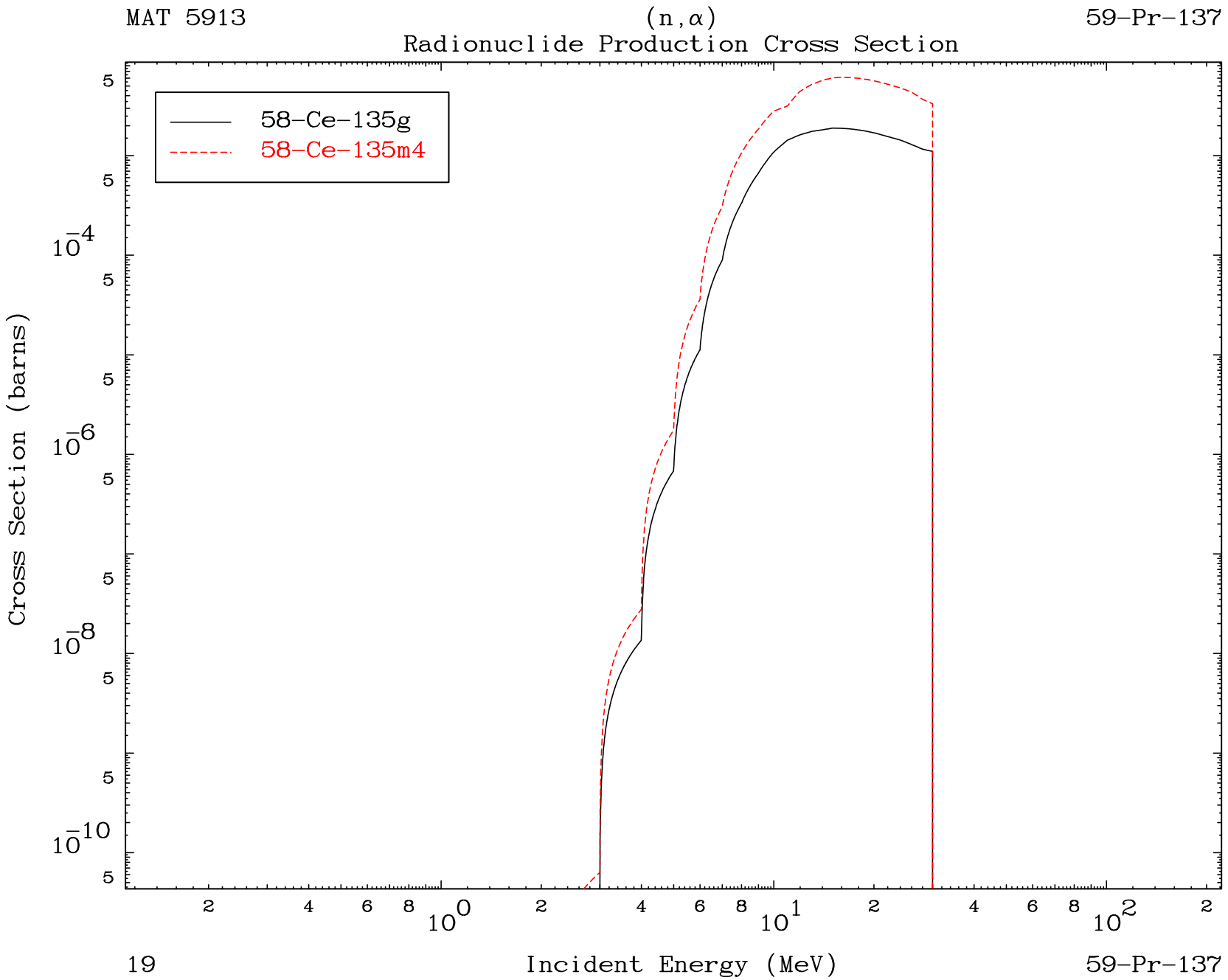

MAT 5913
(n,2n) α
59-Pr-137
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
Incident Energy (MeV)
14
59-Pr-137

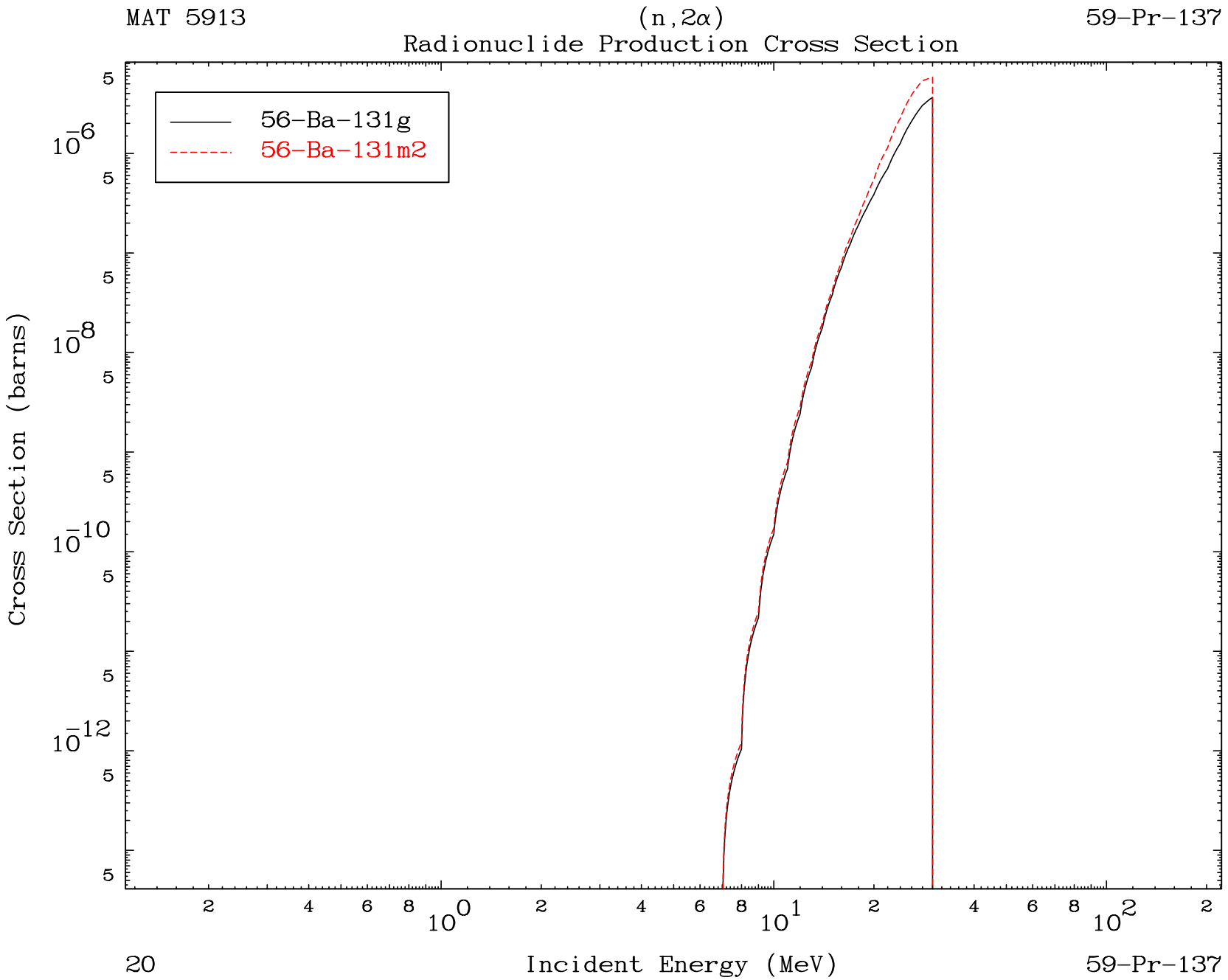

MAT 5913
(n,2n) 2α
59-Pr-137
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
15
59-Pr-137

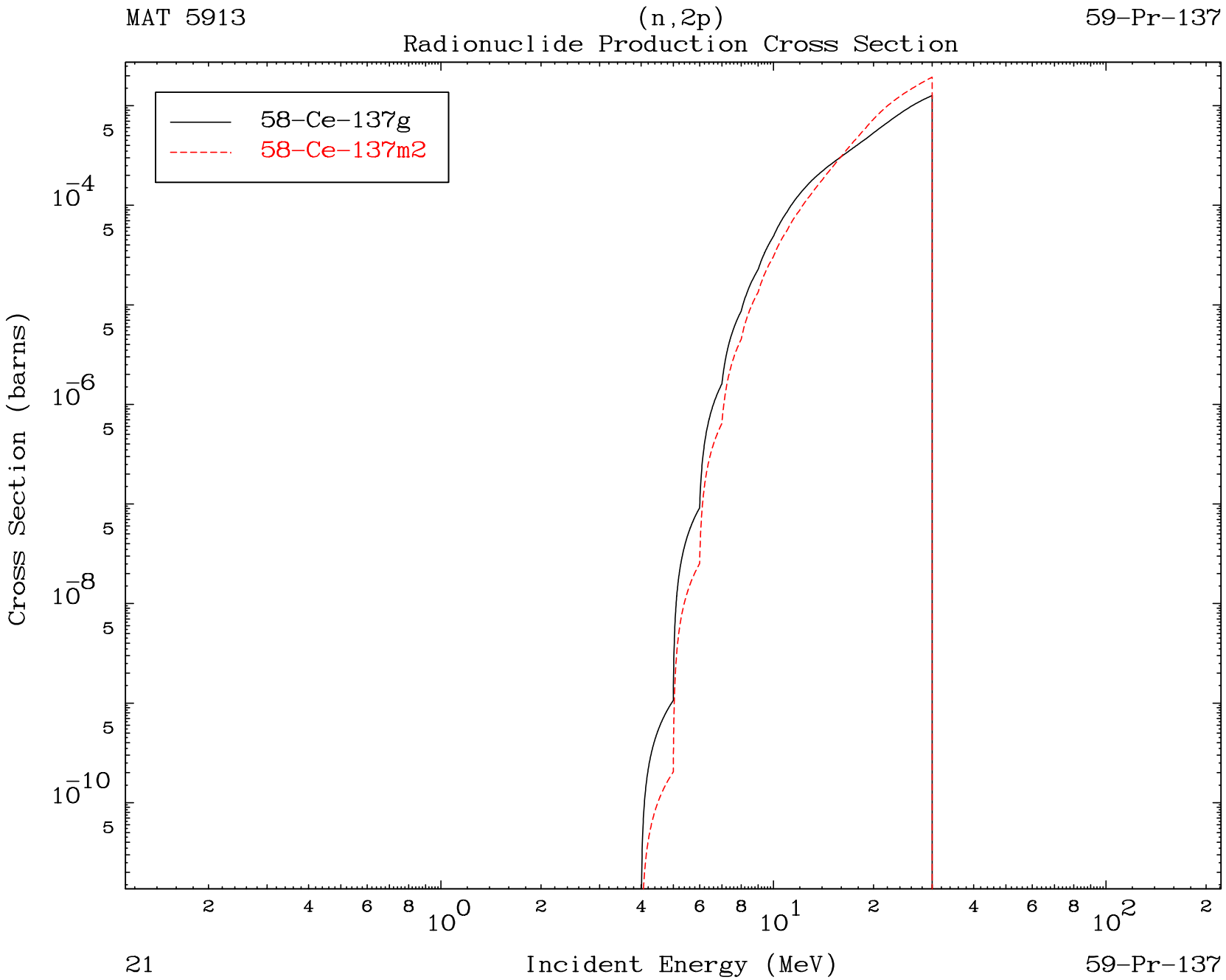

MAT 5913
(n,n') He-3
59-Pr-137
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
16
59-Pr-137

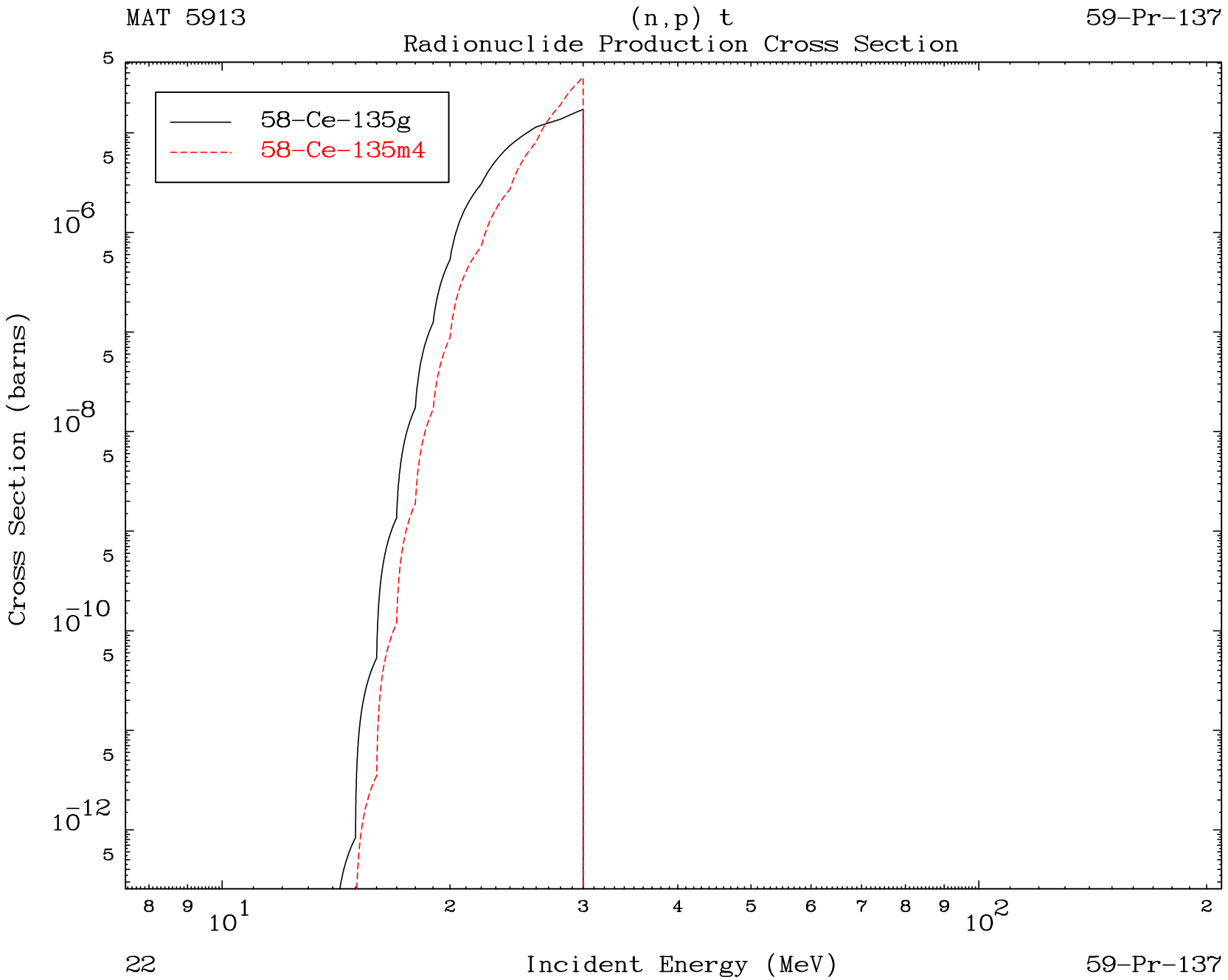

MAT 5913
(n,γ)
59-Pr-137
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
Incident Energy (MeV)
17
59-Pr-137


MAT 5913
(n,p)
59-Pr-137
Radionuclide Production Cross Section
59-Pr-138g
59-Pr-138m5
Cross Section (barns)
Incident Energy (MeV)
18
59-Pr-137


MAT 5913
(n,α)
59-Pr-137
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
19
59-Pr-137


MAT 5913
(n,2α)
59-Pr-137
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
20
59-Pr-137


MAT 5913
(n,2p)
59-Pr-137
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
21
59-Pr-137


MAT 5913
(n,p) t
59-Pr-137
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
22
59-Pr-137