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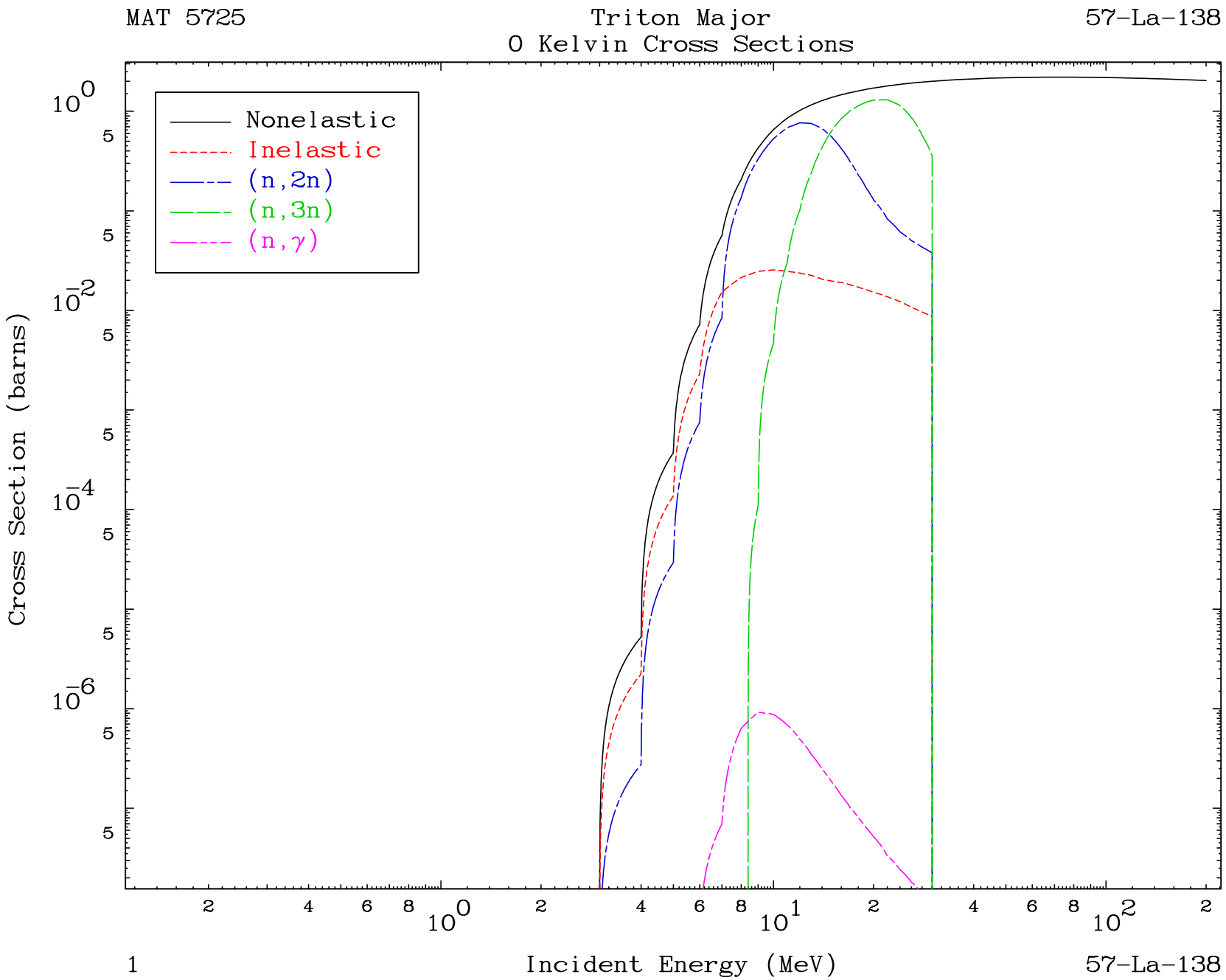
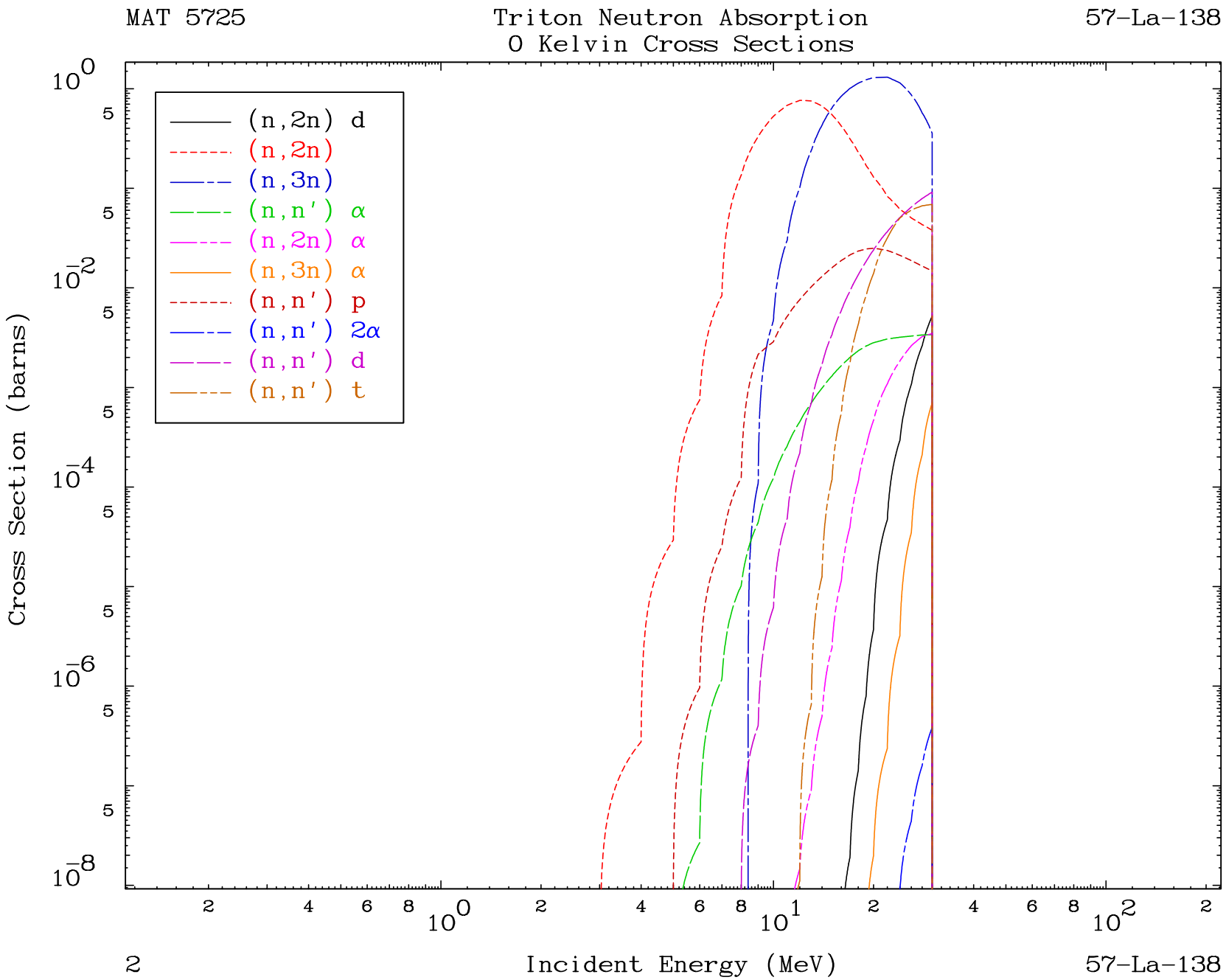
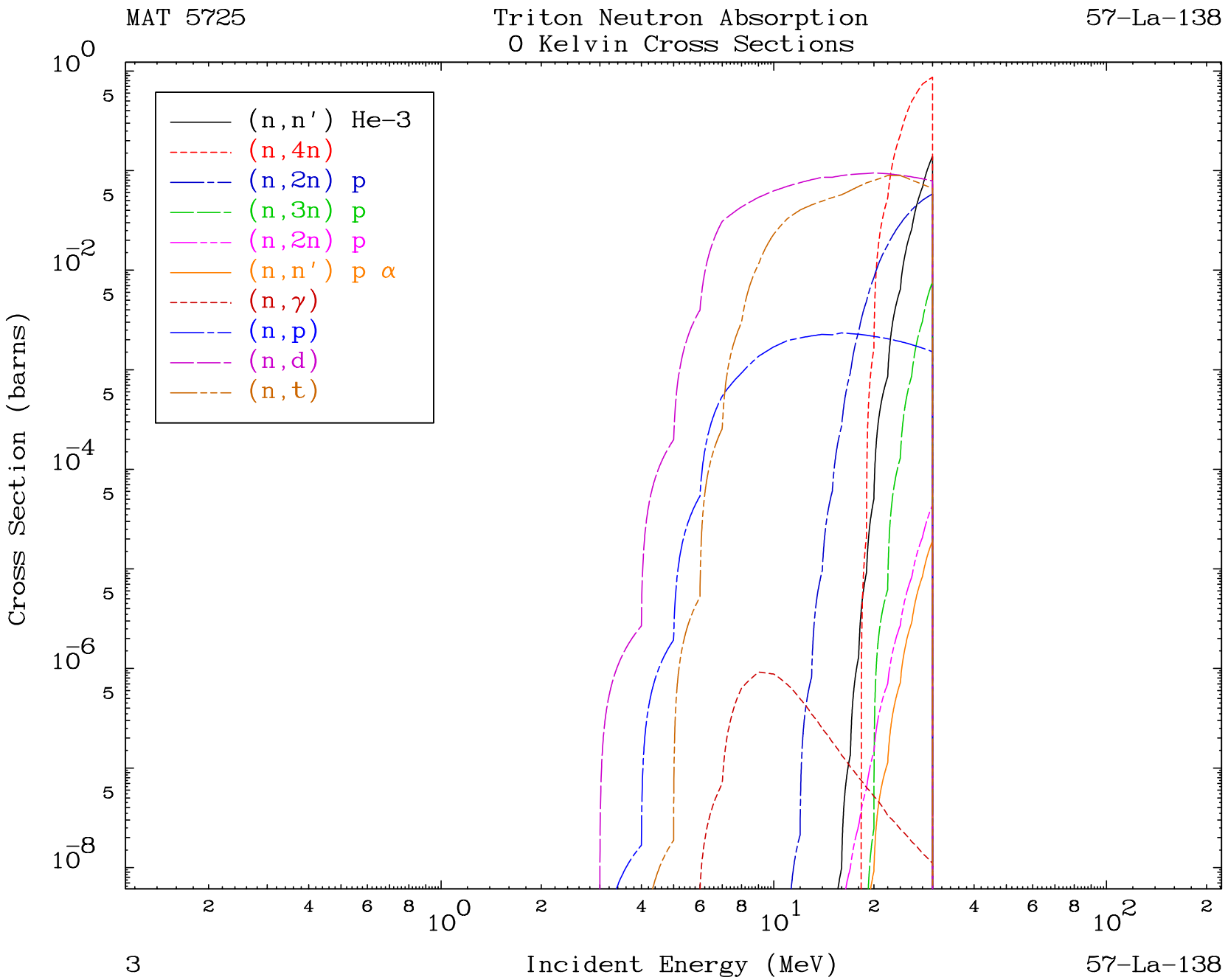
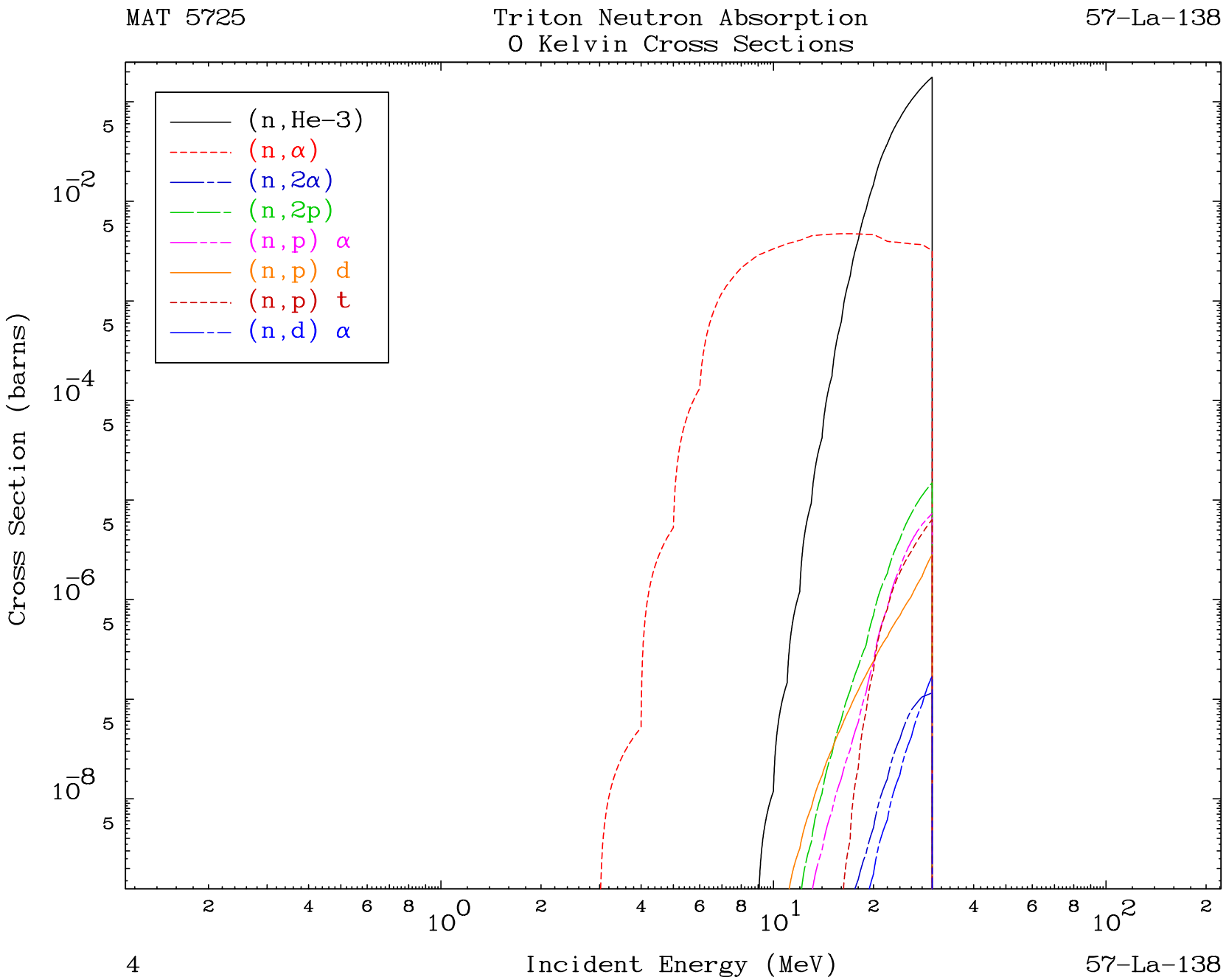
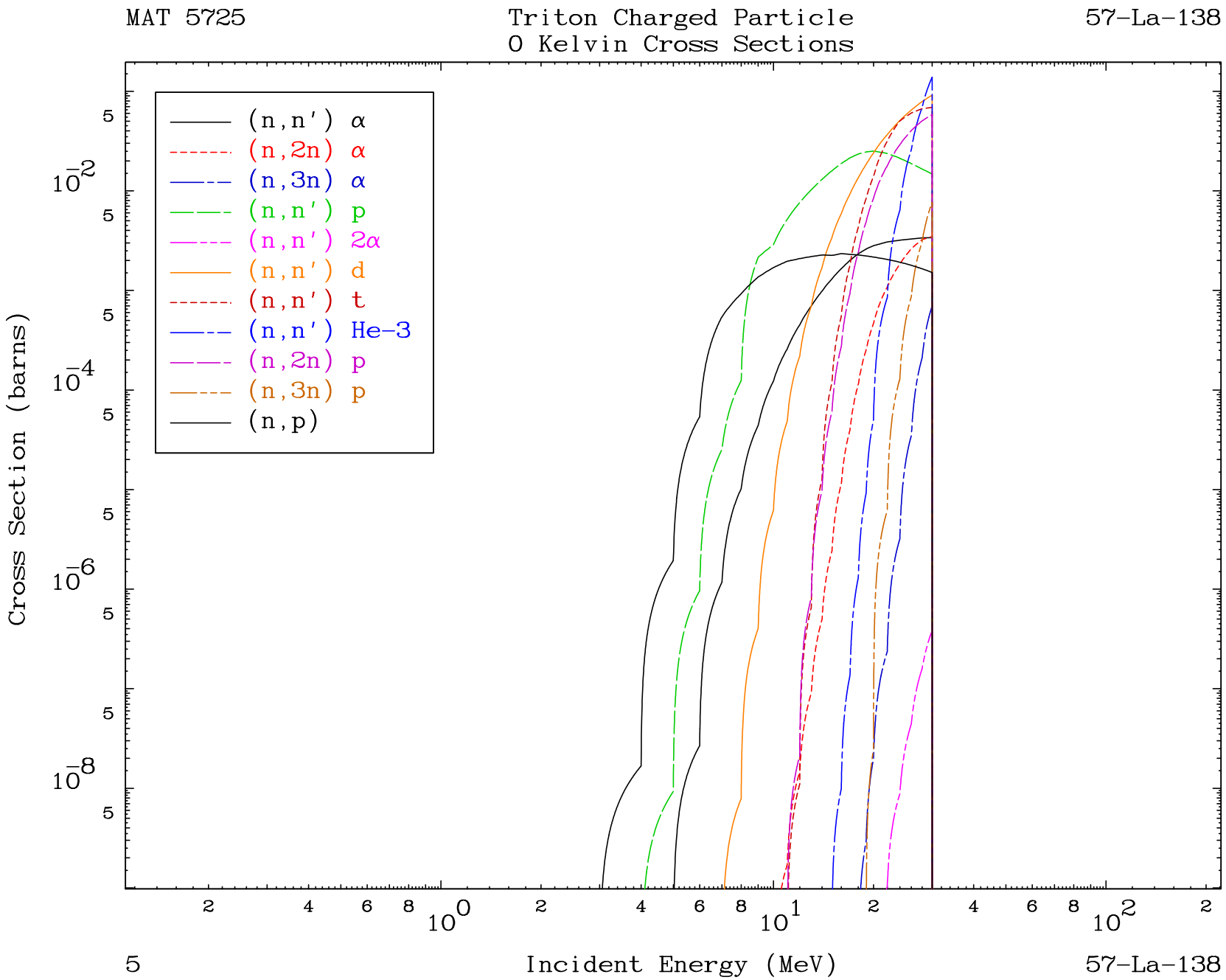
Press Mouse Button to Start

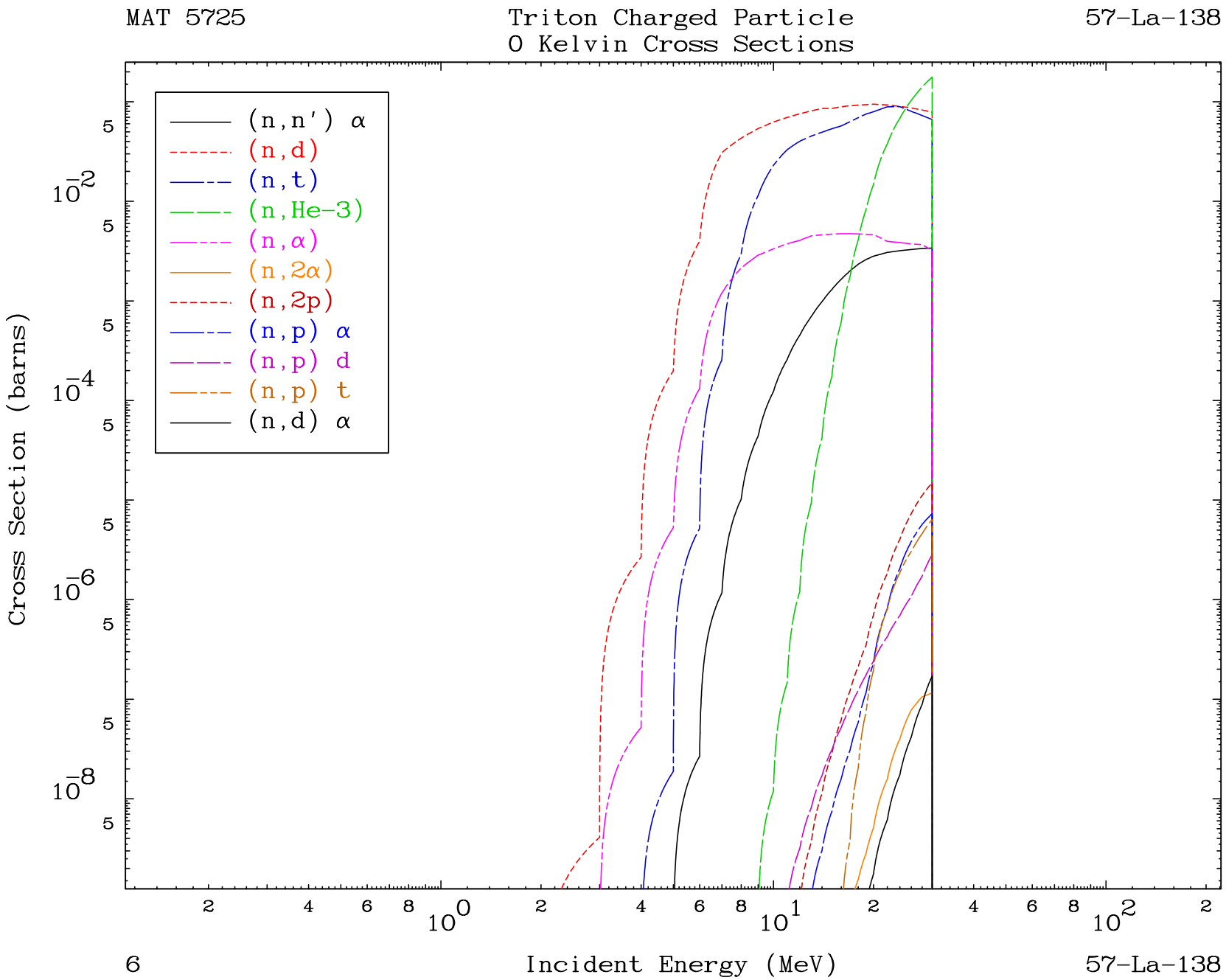

MAT 5725
Triton Major
57-La-138
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
57-La-138
1

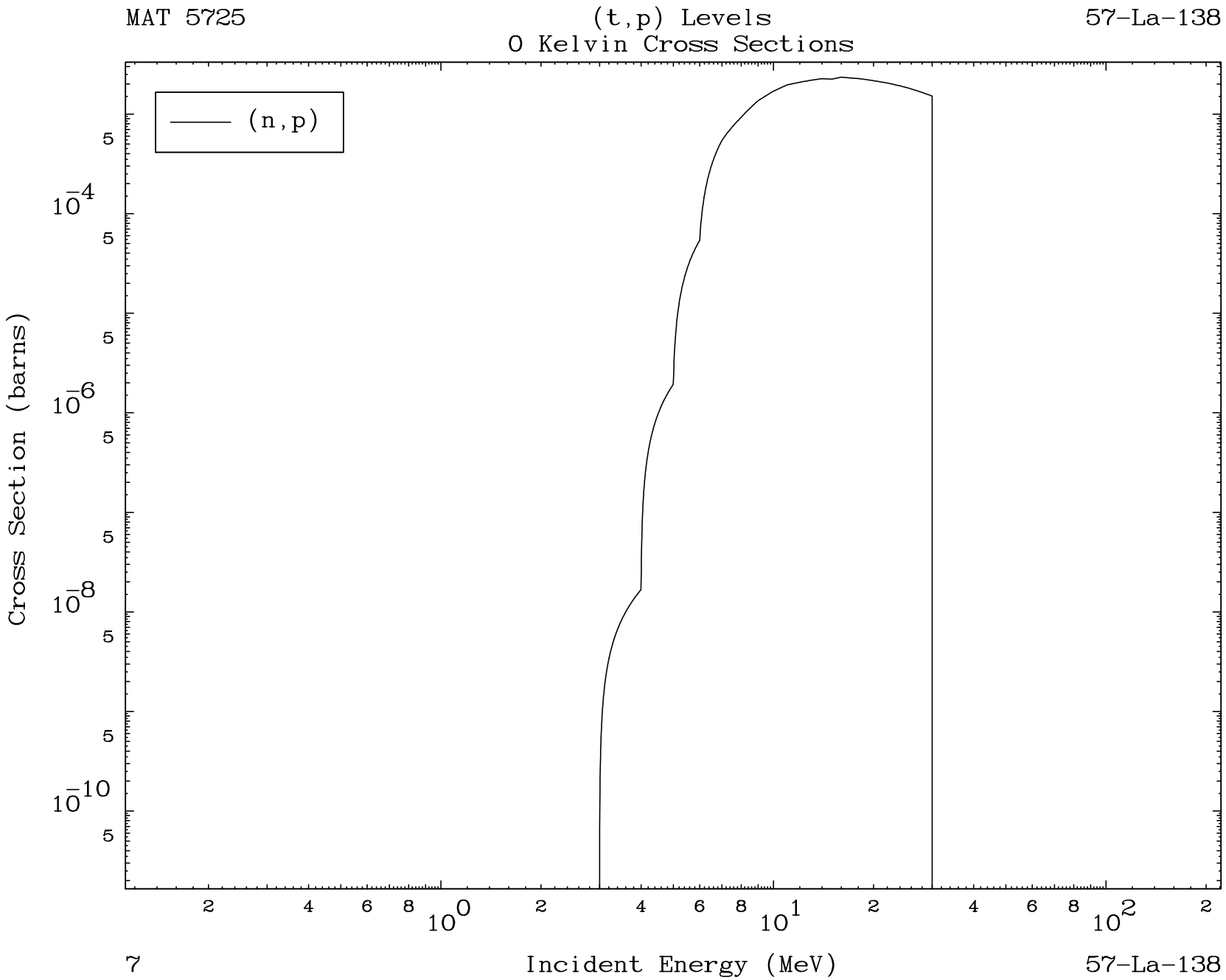

MAT 5725
Triton Neutron Absorption
0 Kelvin Cross Sections
57-La-138
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
57-La-138
2

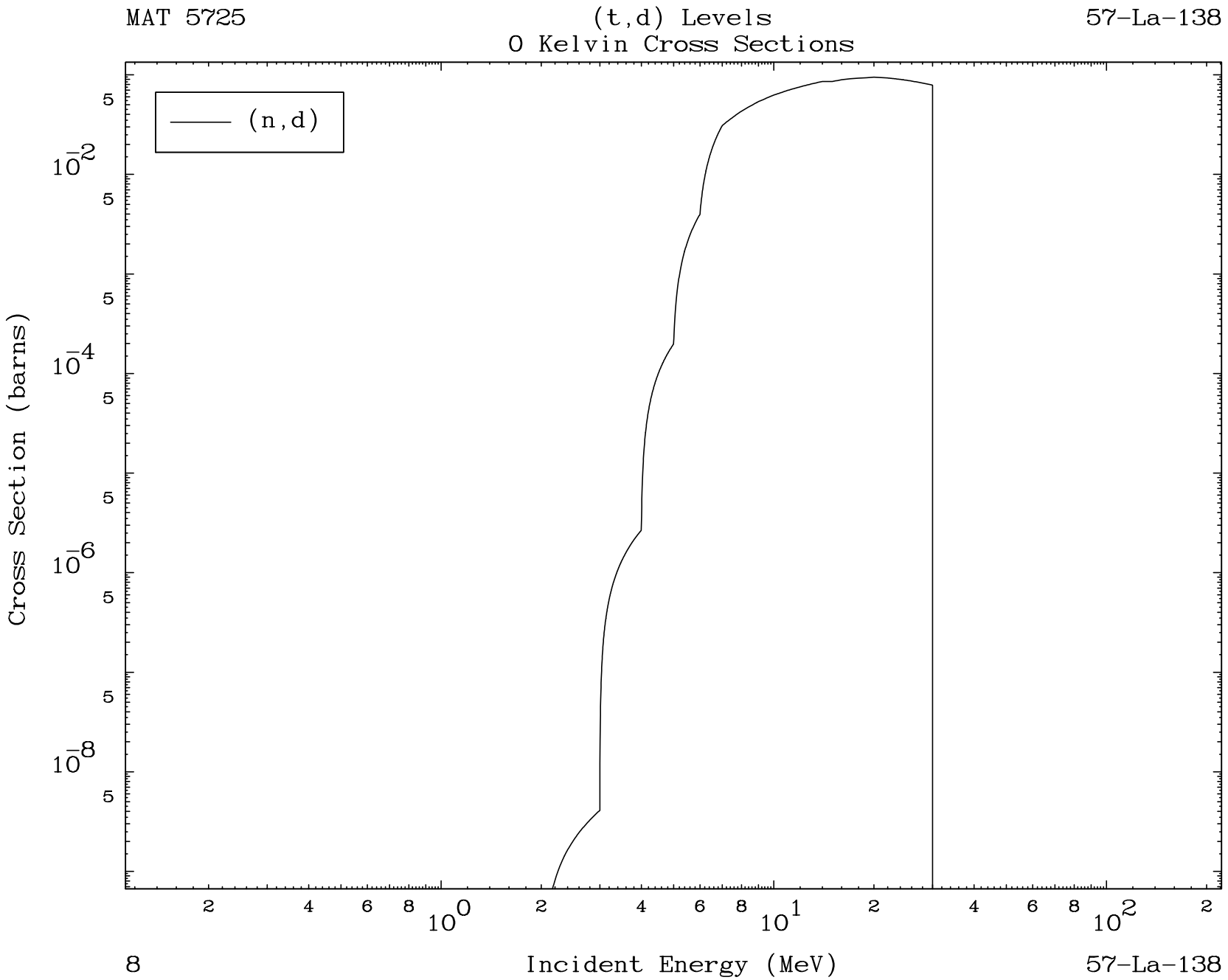

MAT 5725
Triton Neutron Absorption
0 Kelvin Cross Sections
57-La-138
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
57-La-138

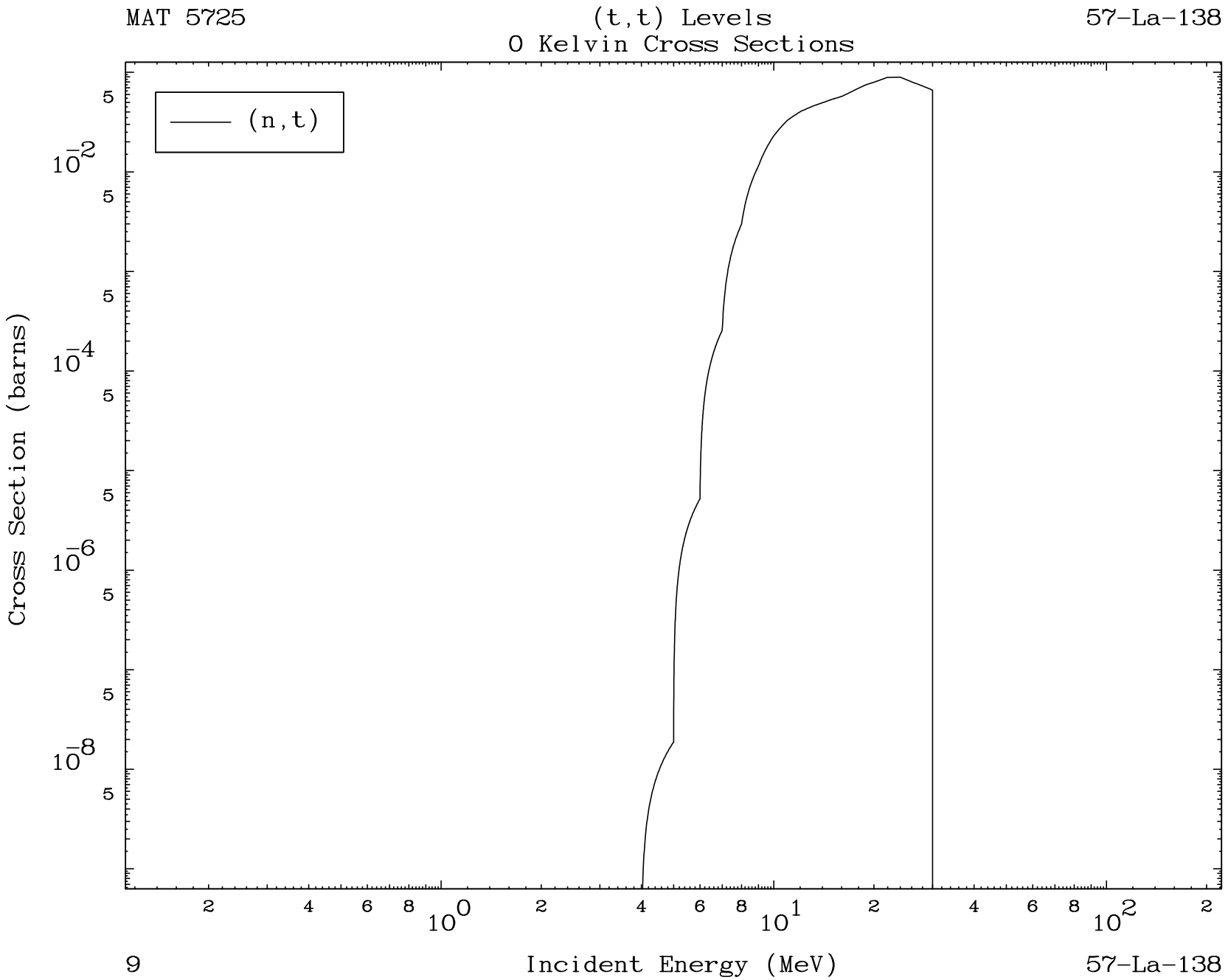

MAT 5725
Triton Neutron Absorption
0 Kelvin Cross Sections
57-La-138
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
57-La-138

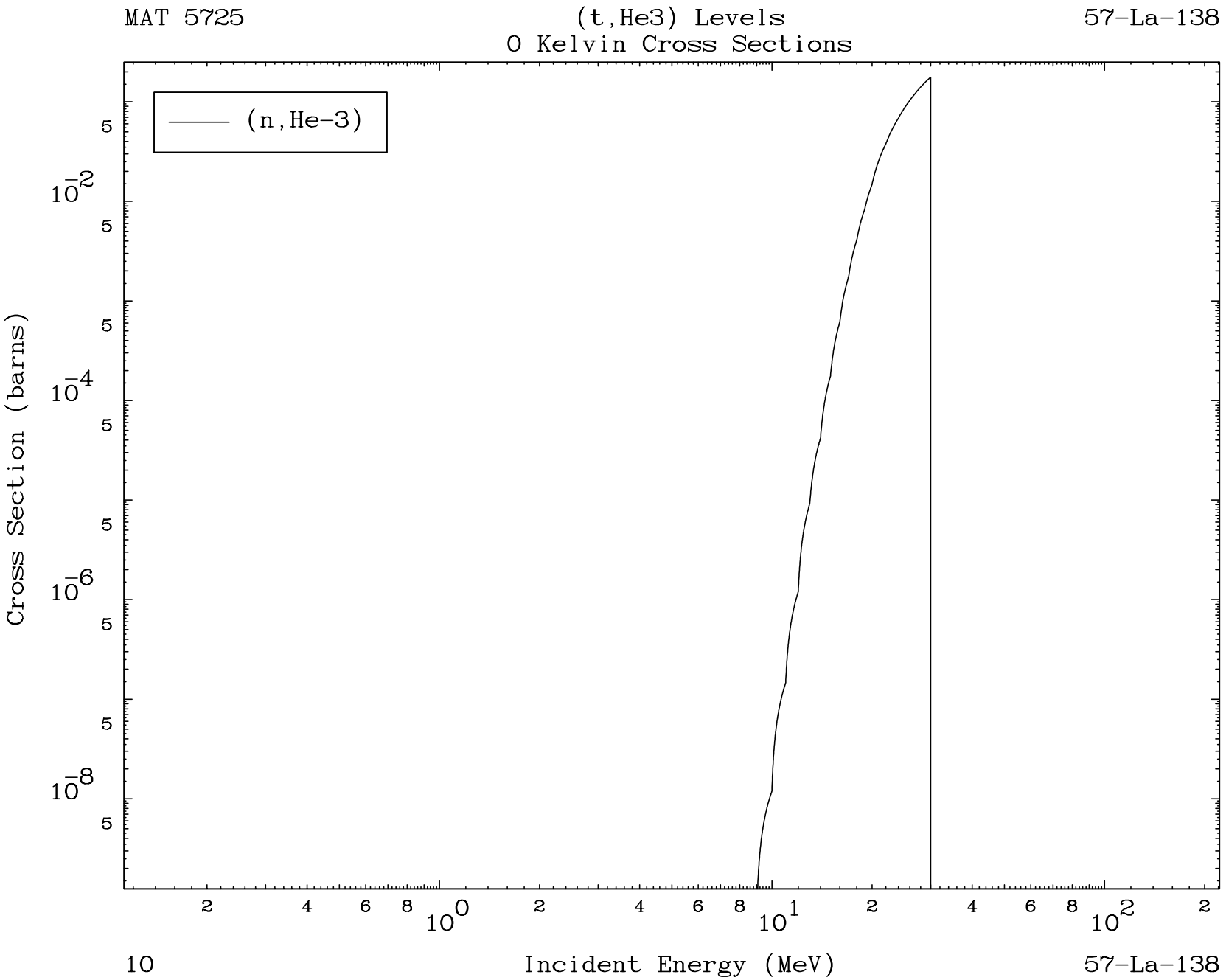

MAT 5725
Triton Charged Particle
0 Kelvin Cross Sections
57-La-138
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
57-La-138

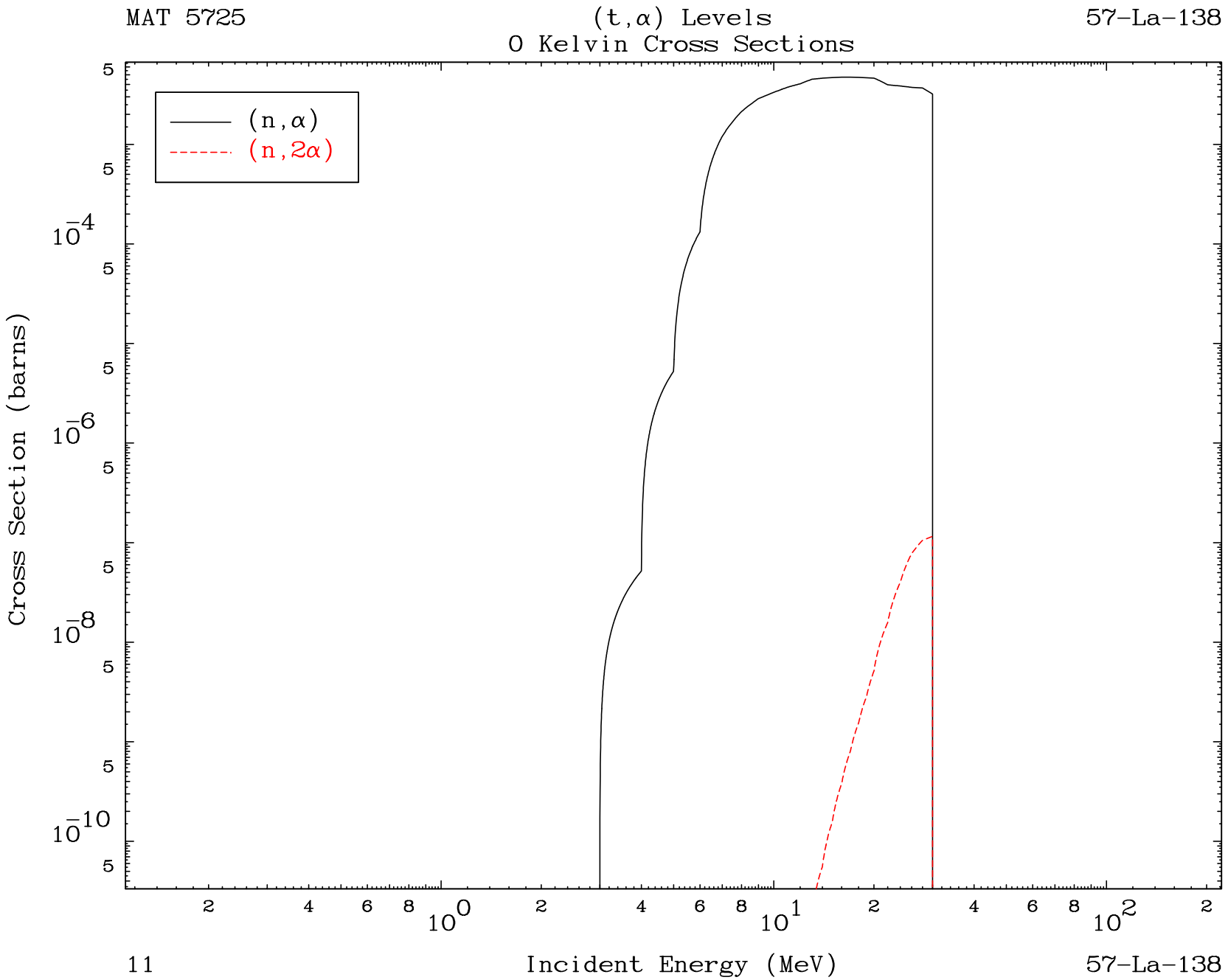

MAT 5725
Triton Charged Particle
0 Kelvin Cross Sections
57-La-138
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
57-La-138

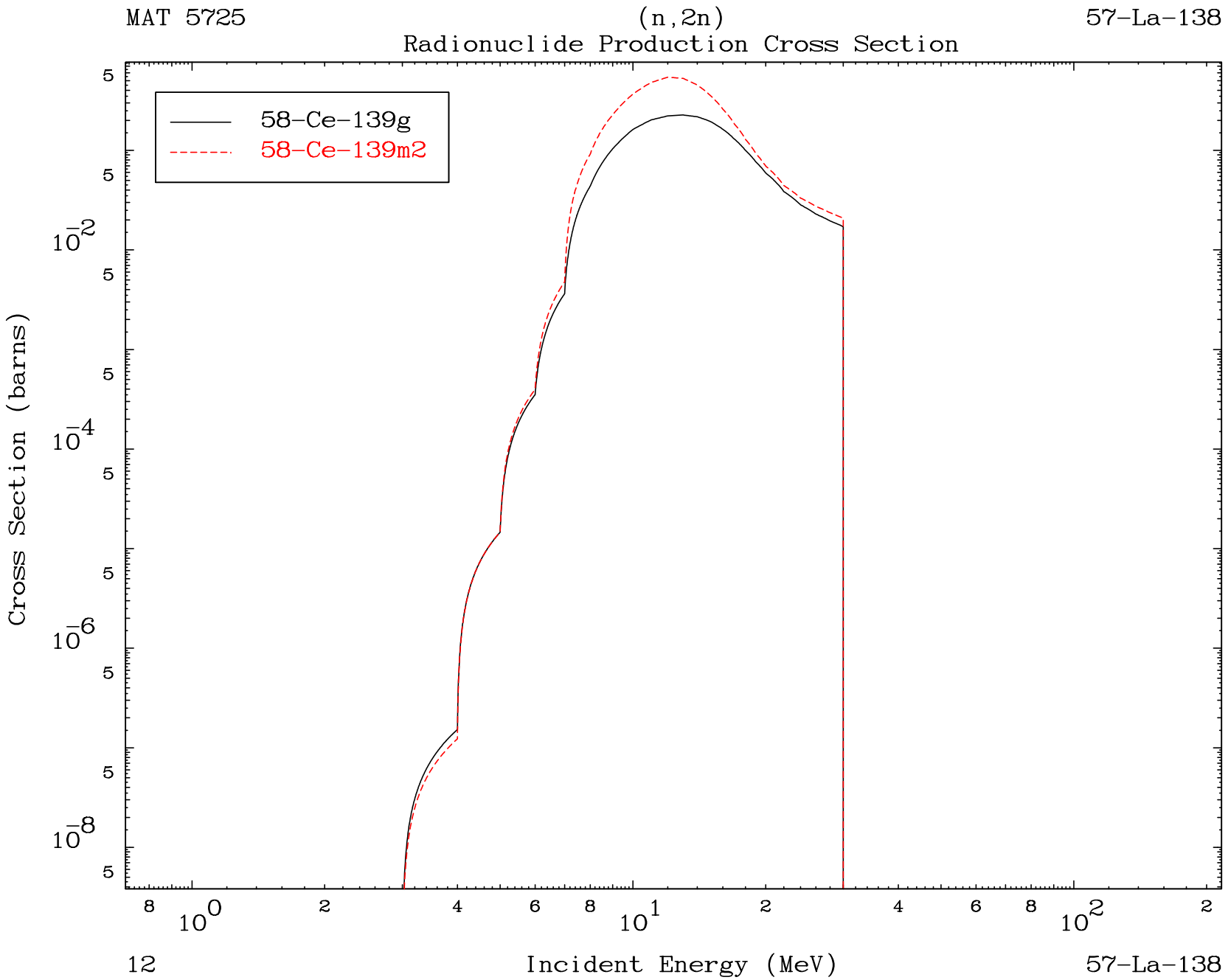

MAT 5725
(t,p) Levels
57-La-138
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
57-La-138

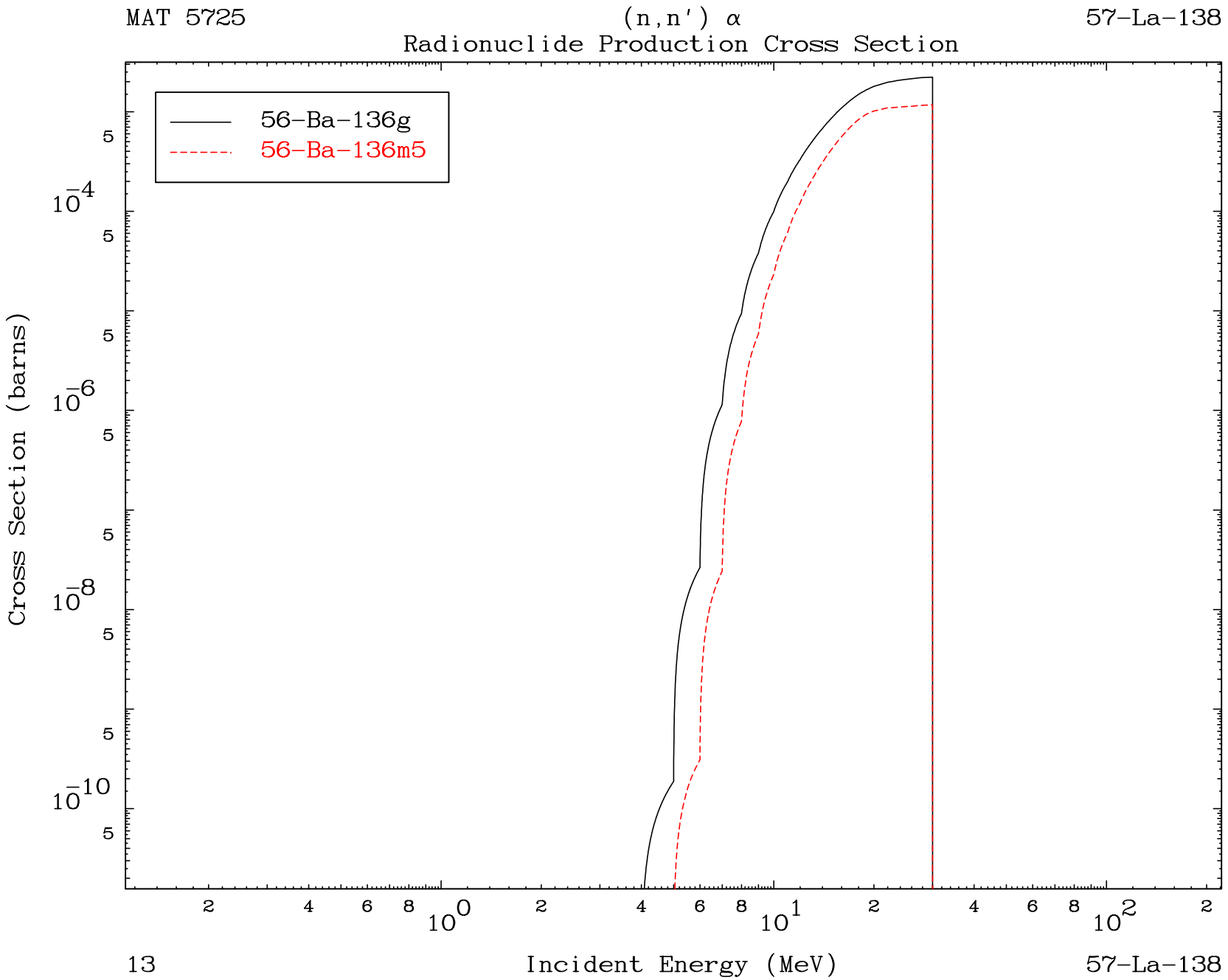

MAT 5725
(t,d) Levels
57-La-138
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
57-La-138

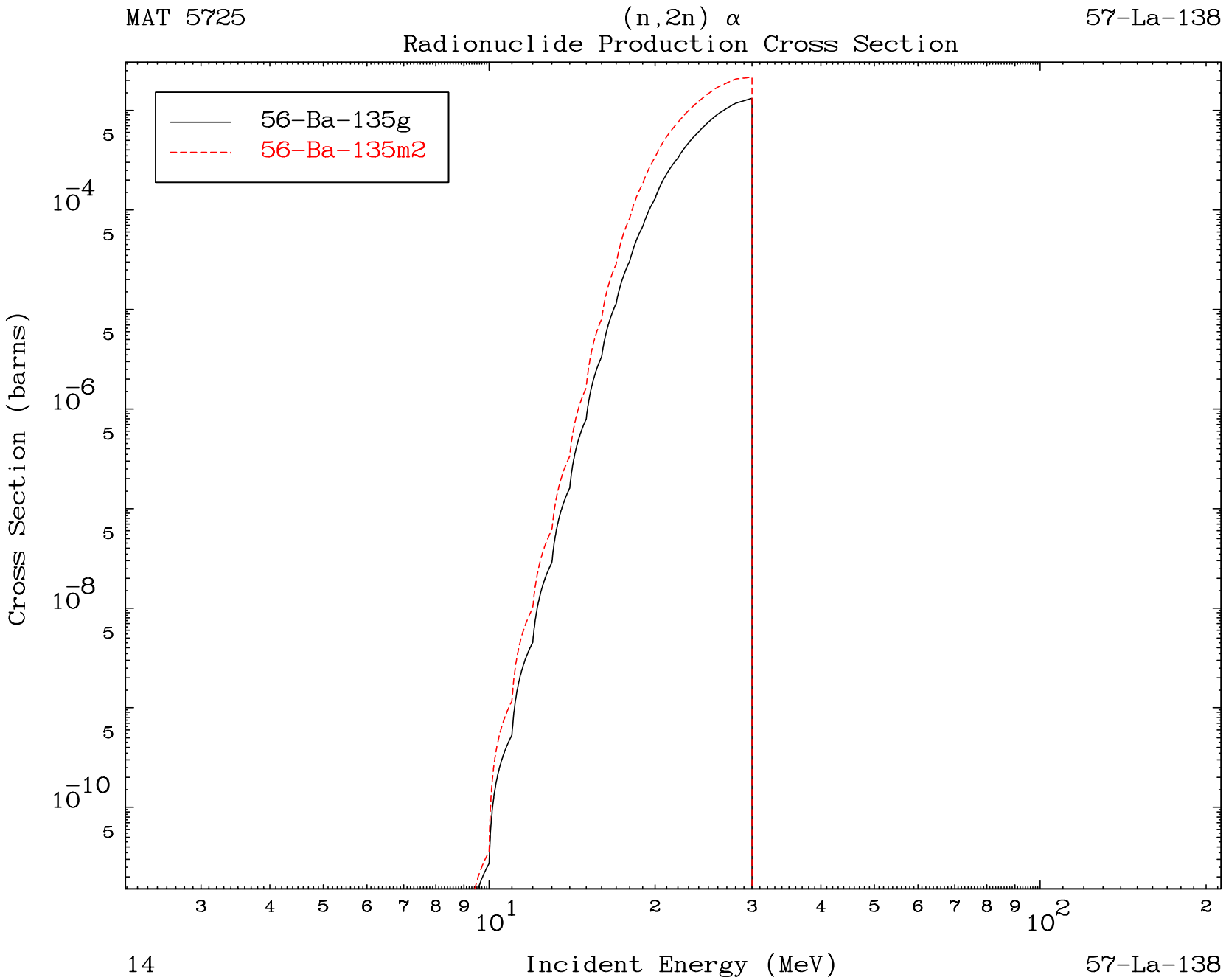

MAT 5725
(t,t) Levels
57-La-138
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
57-La-138

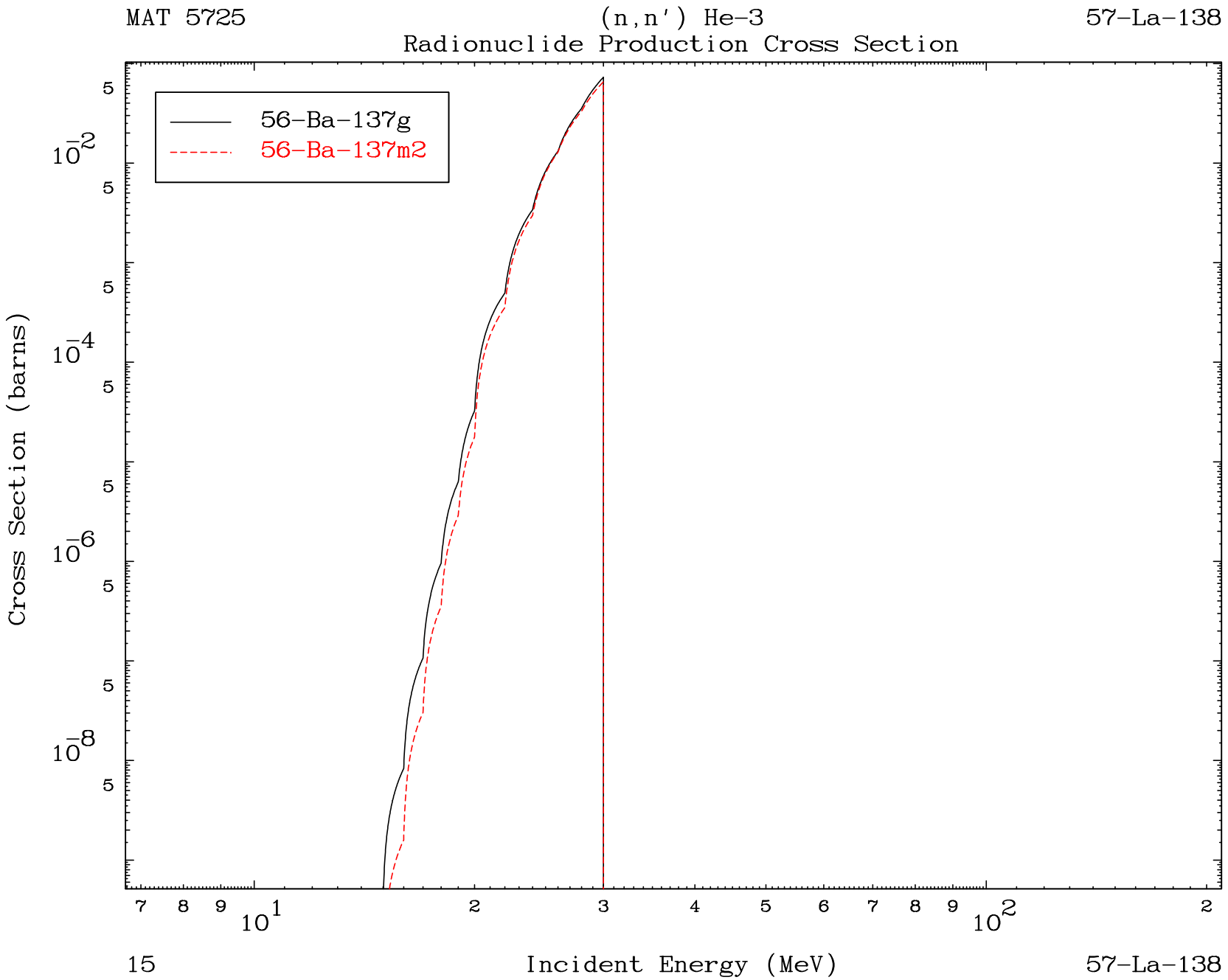

MAT 5725
(t,He3) Levels
57-La-138
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
10
Incident Energy (MeV)
57-La-138

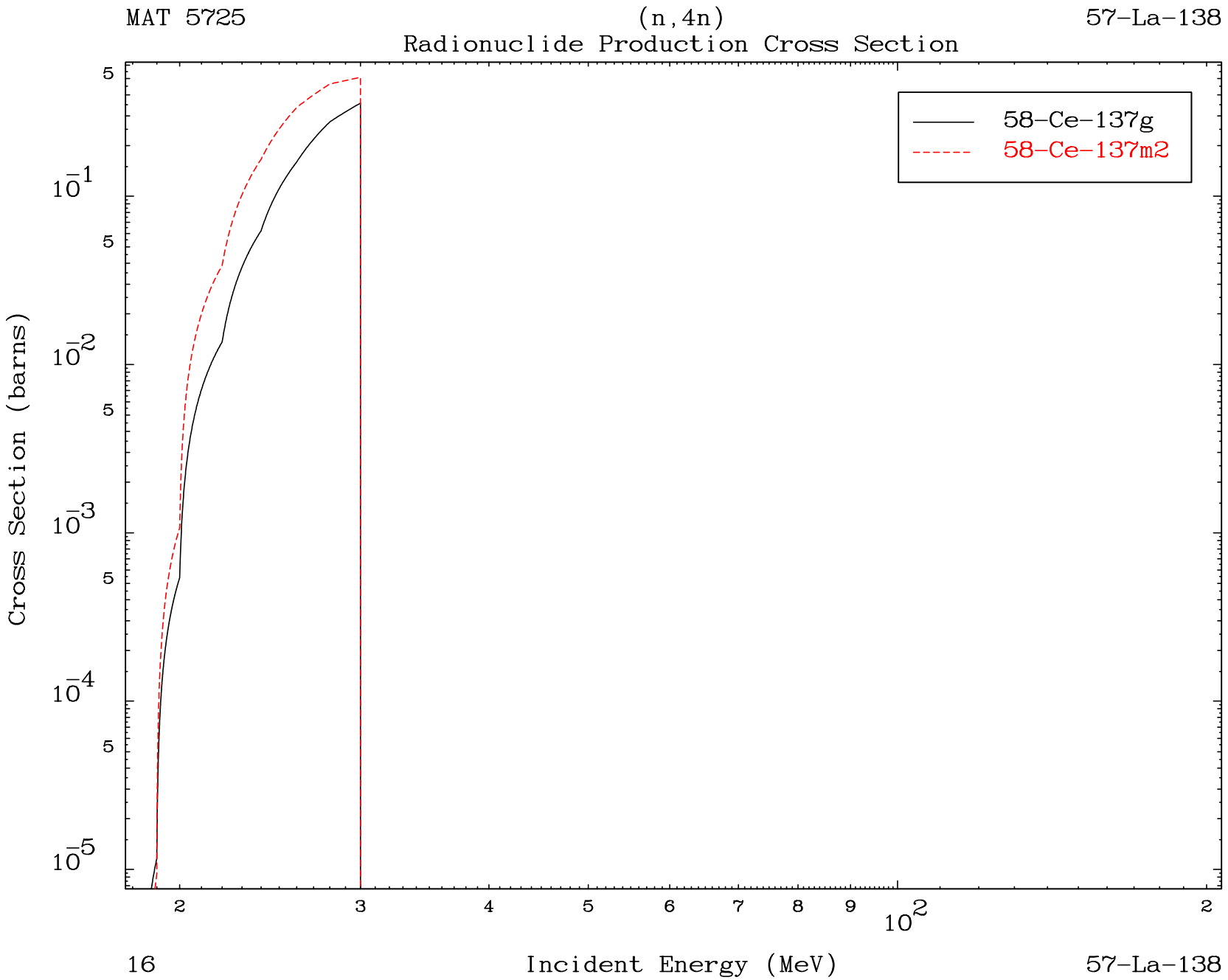

MAT 5725
(t,α) Levels
57-La-138
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
57-La-138

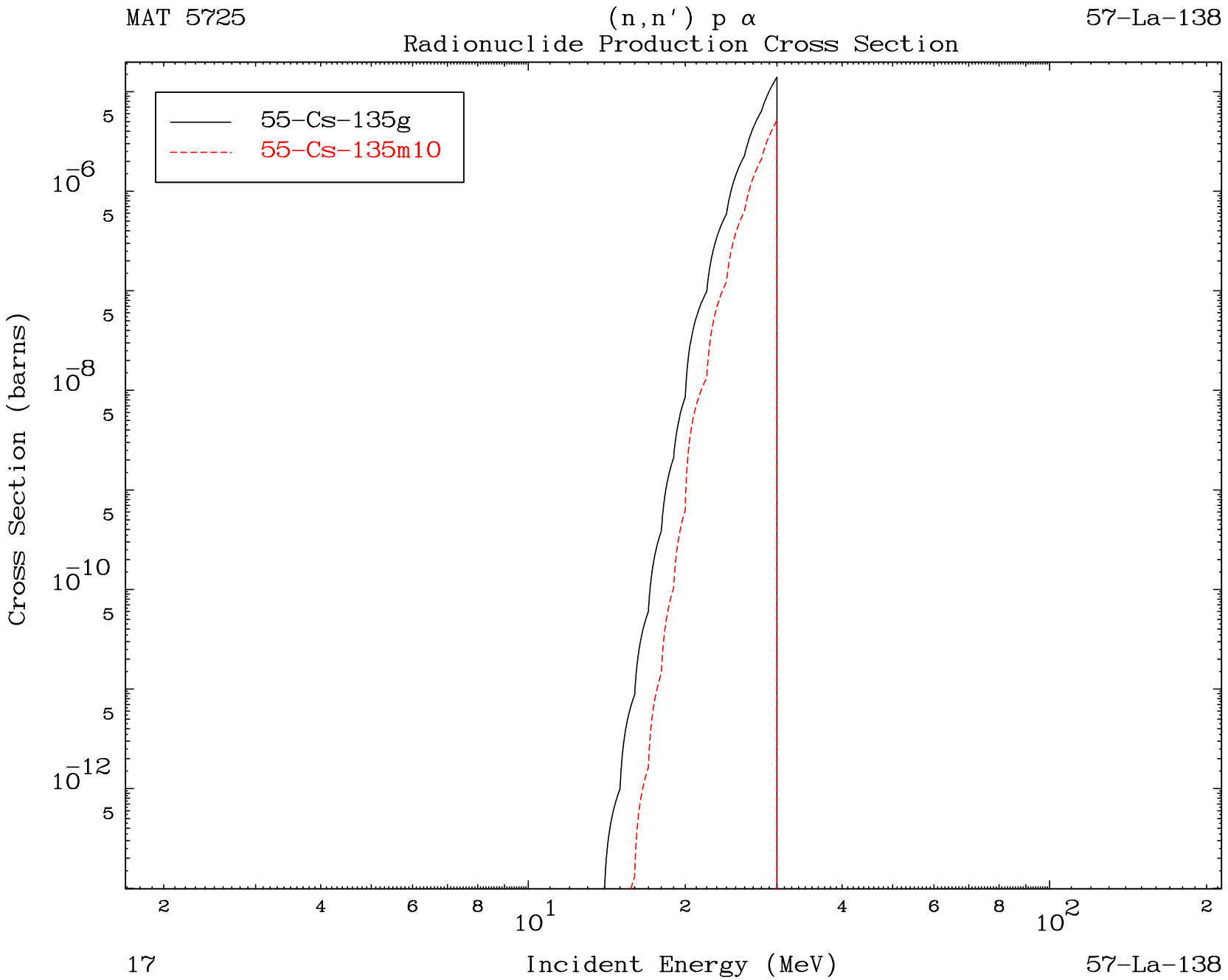

MAT 5725
(n,2n)
57-La-138
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
Incident Energy (MeV)
12
57-La-138

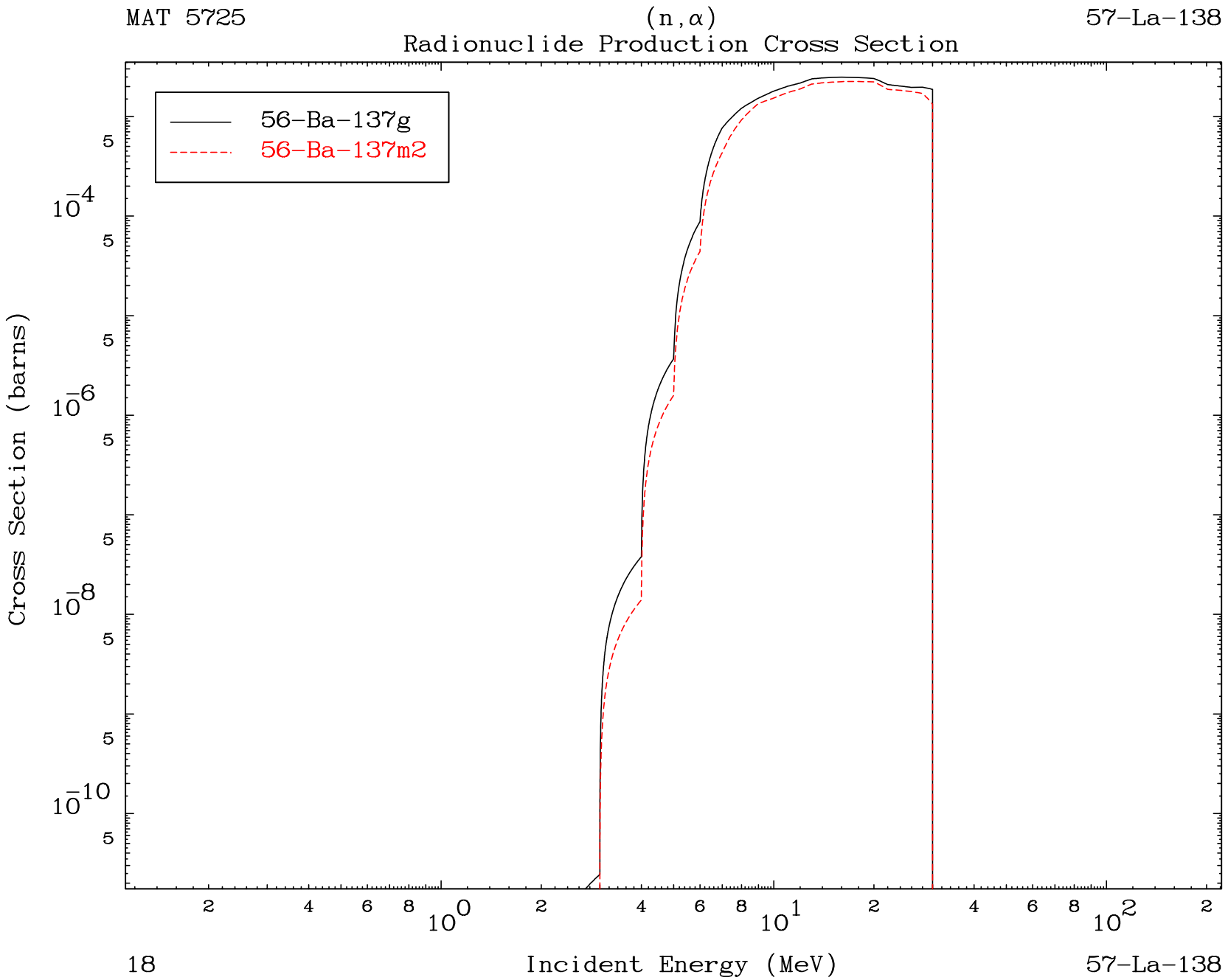

MAT 5725
(n,n') α
57-La-138
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
57-La-138

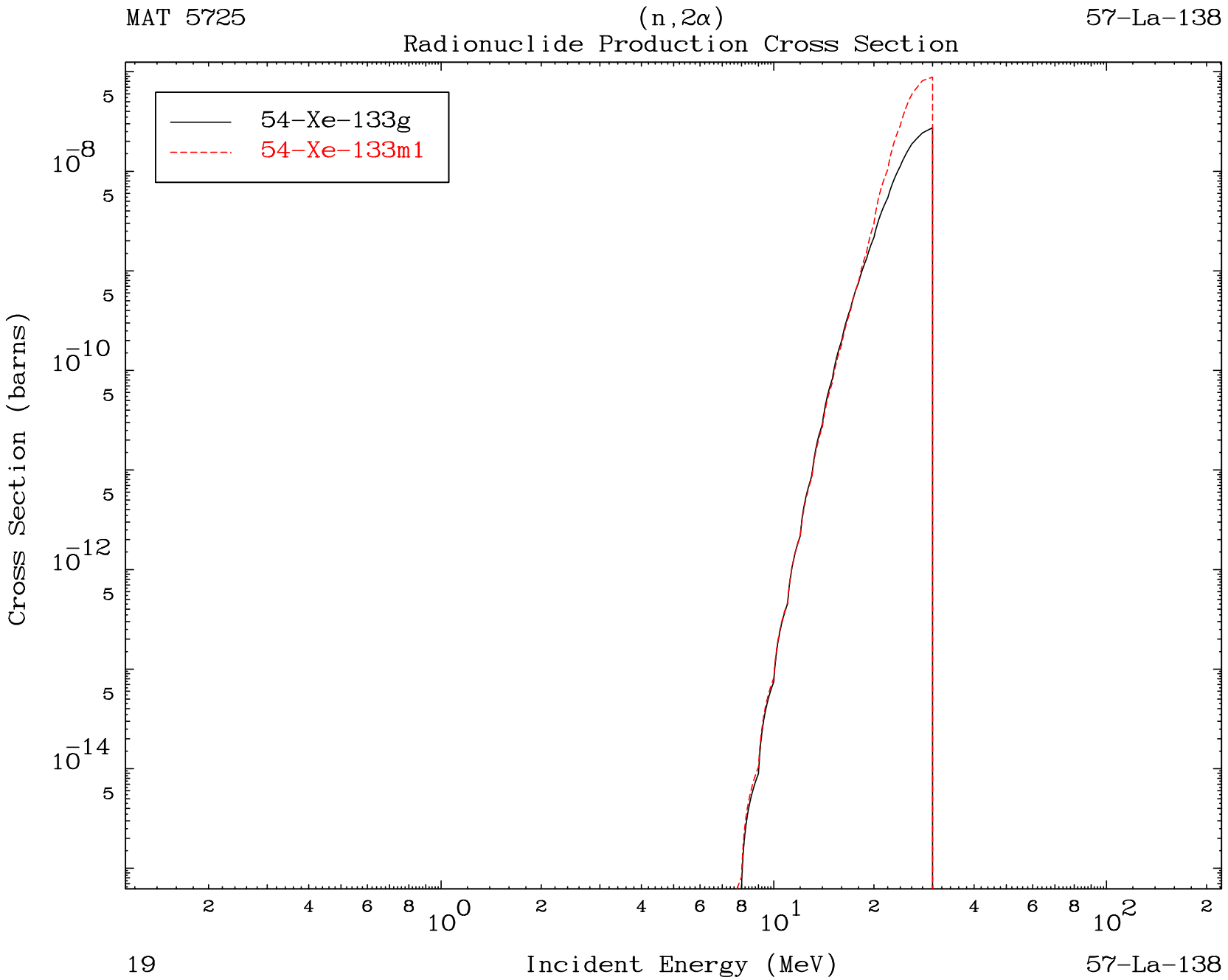

MAT 5725
(n,2n) α
57-La-138
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
57-La-138

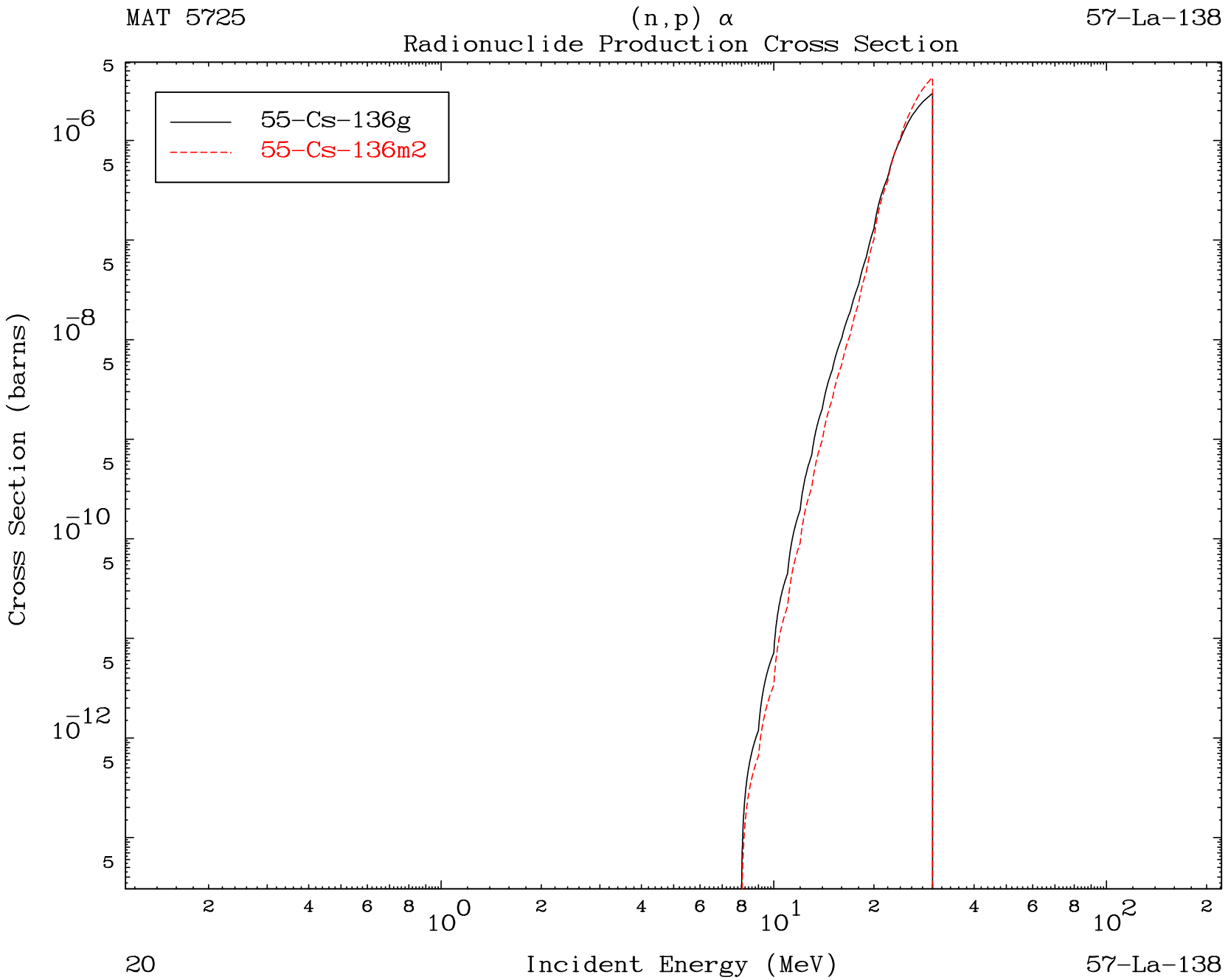

MAT 5725
(n,n') He-3
57-La-138
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
10-2
10-4
10-6
10-8
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
15
57-La-138

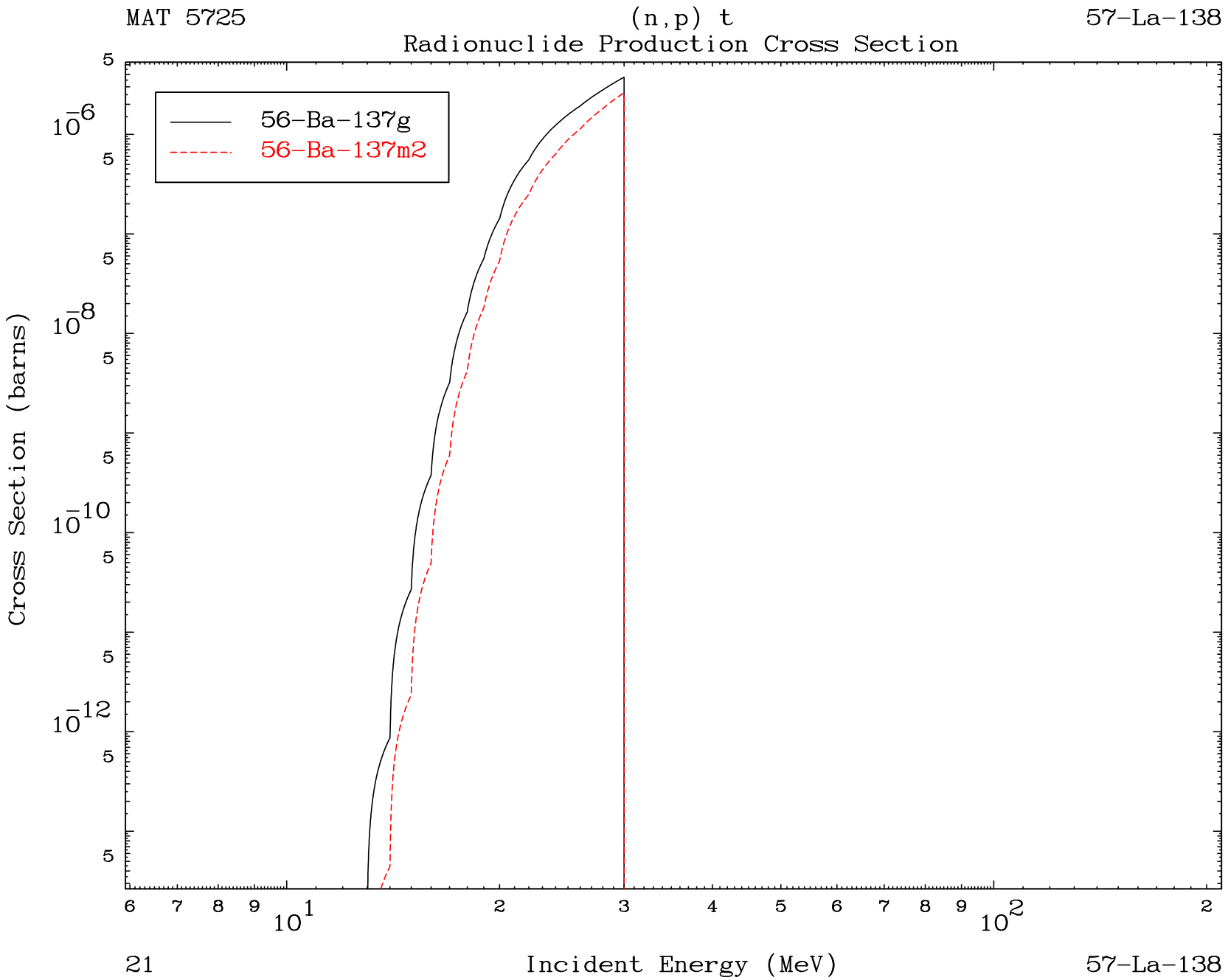

MAT 5725
(n,4n)
57-La-138
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
Incident Energy (MeV)
16
57-La-138

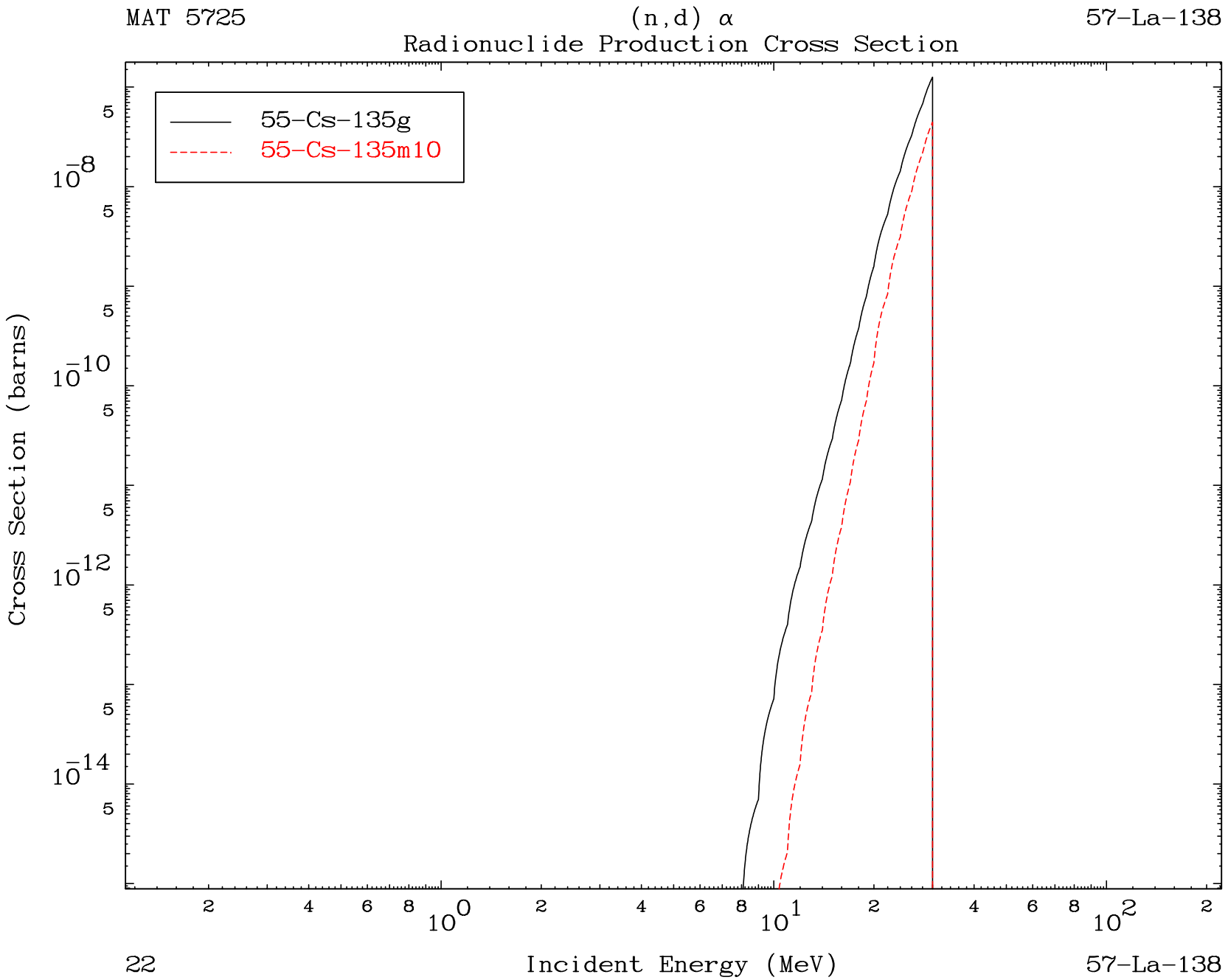

MAT 5725
(n,n') p α
57-La-138
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
Incident Energy (MeV)
17
57-La-138


MAT 5725
(n,α)
57-La-138
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
18
57-La-138


MAT 5725
(n,2α)
57-La-138
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
19
57-La-138


MAT 5725
(n,p) α
57-La-138
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
20
57-La-138


MAT 5725
(n,p) t
57-La-138
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
21
57-La-138


MAT 5725
(n,d) α
57-La-138
Radionuclide Production Cross Section
55-Cs-135g
55-Cs-135m10
Cross Section (barns)
Incident Energy (MeV)
22
57-La-138