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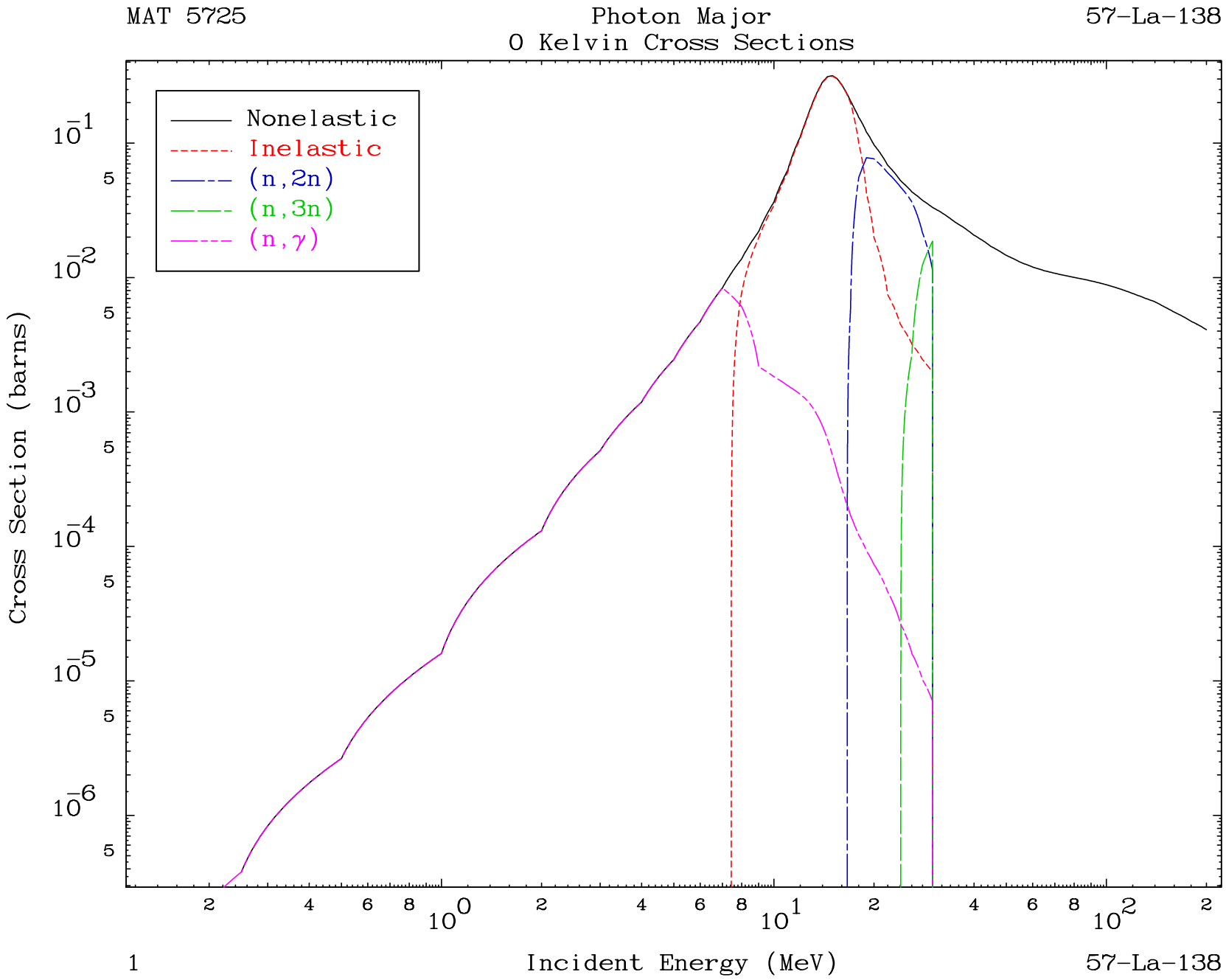
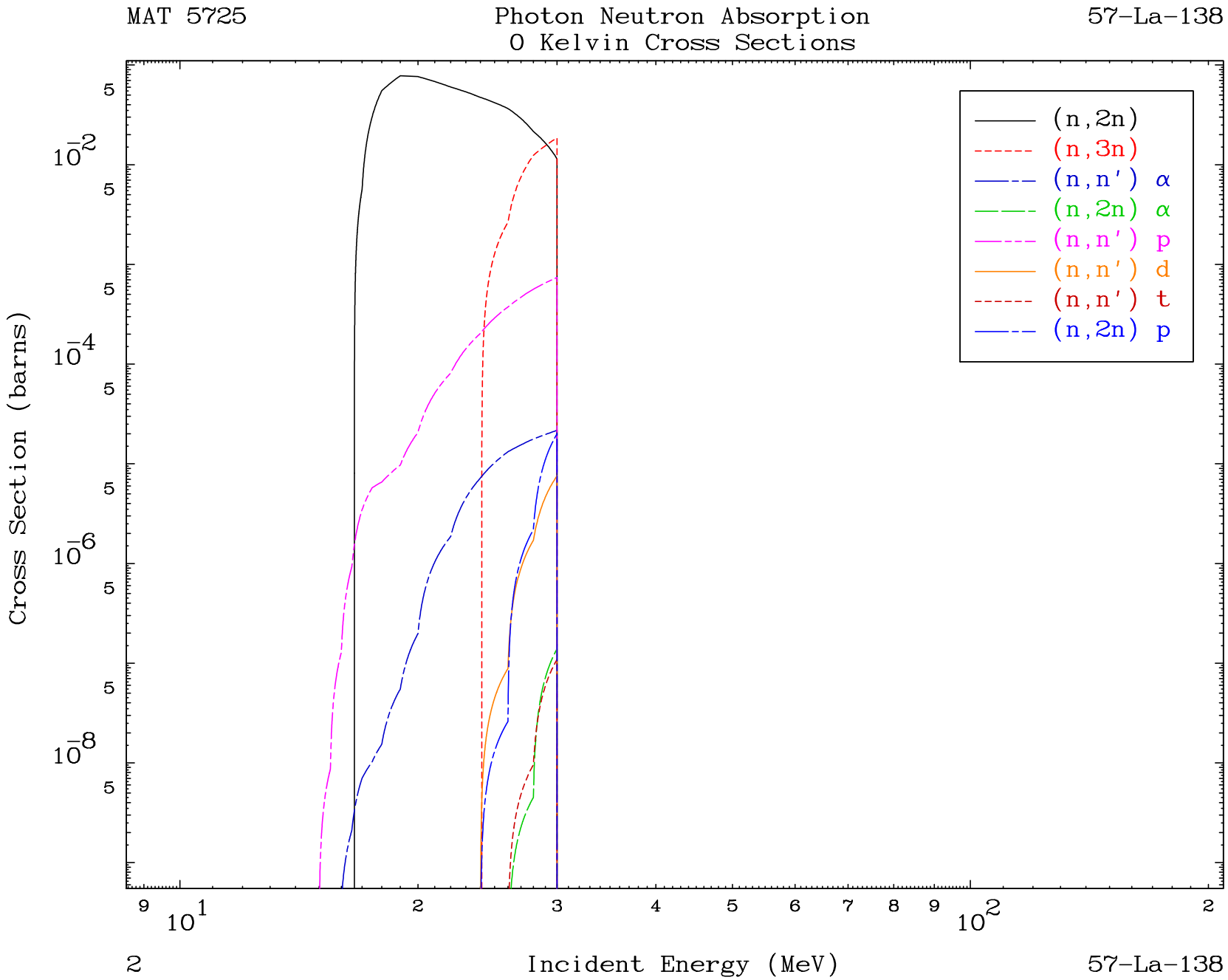
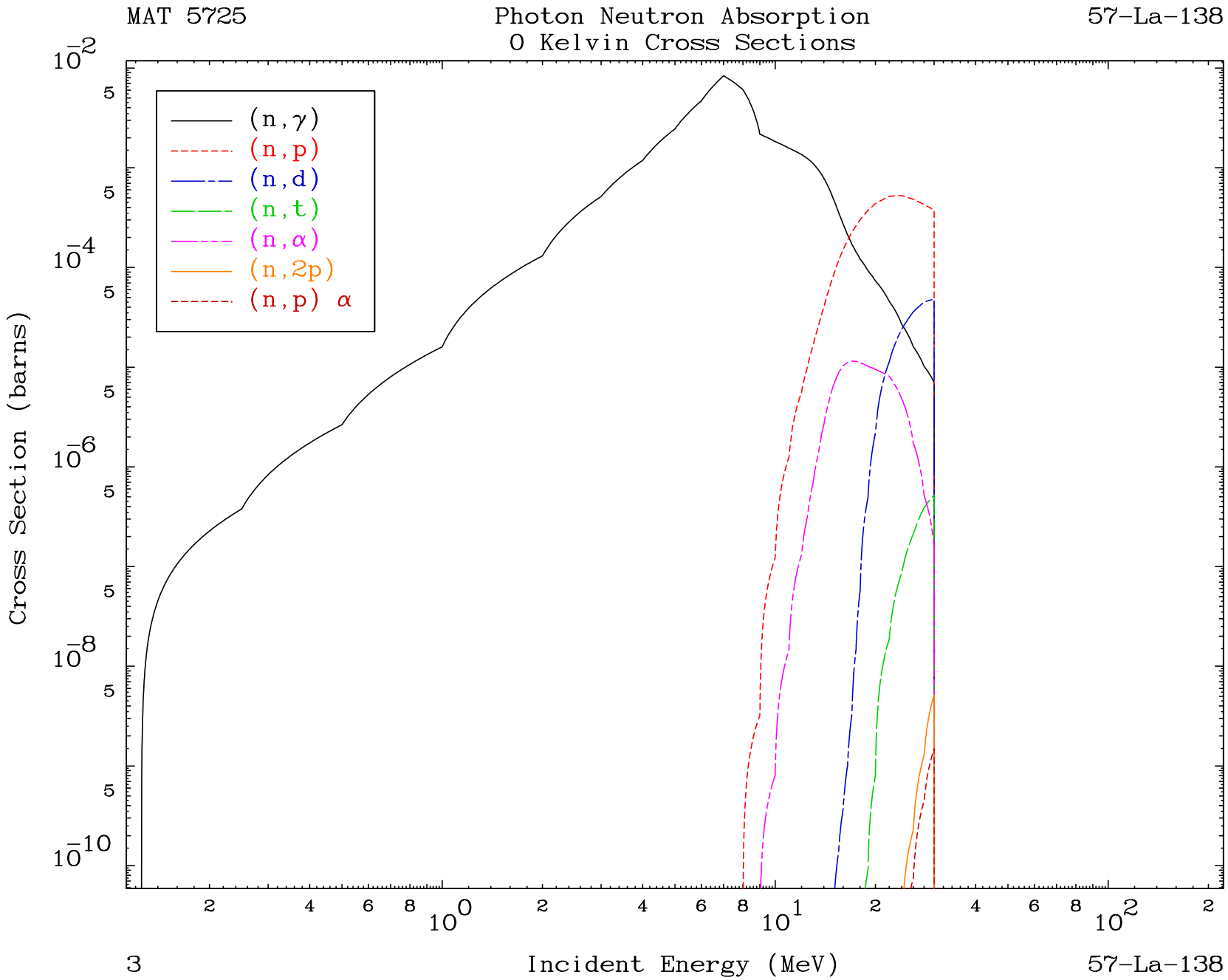
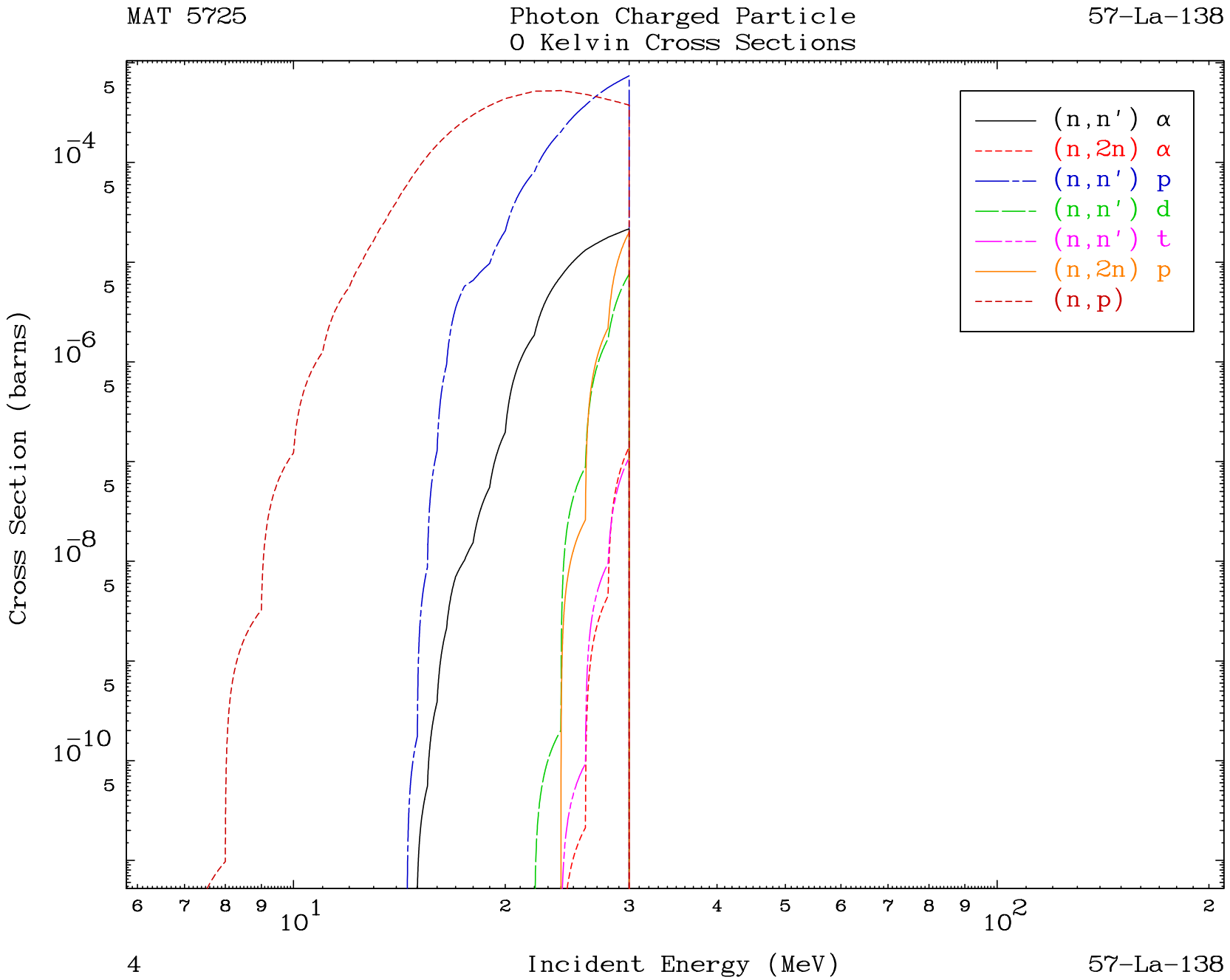
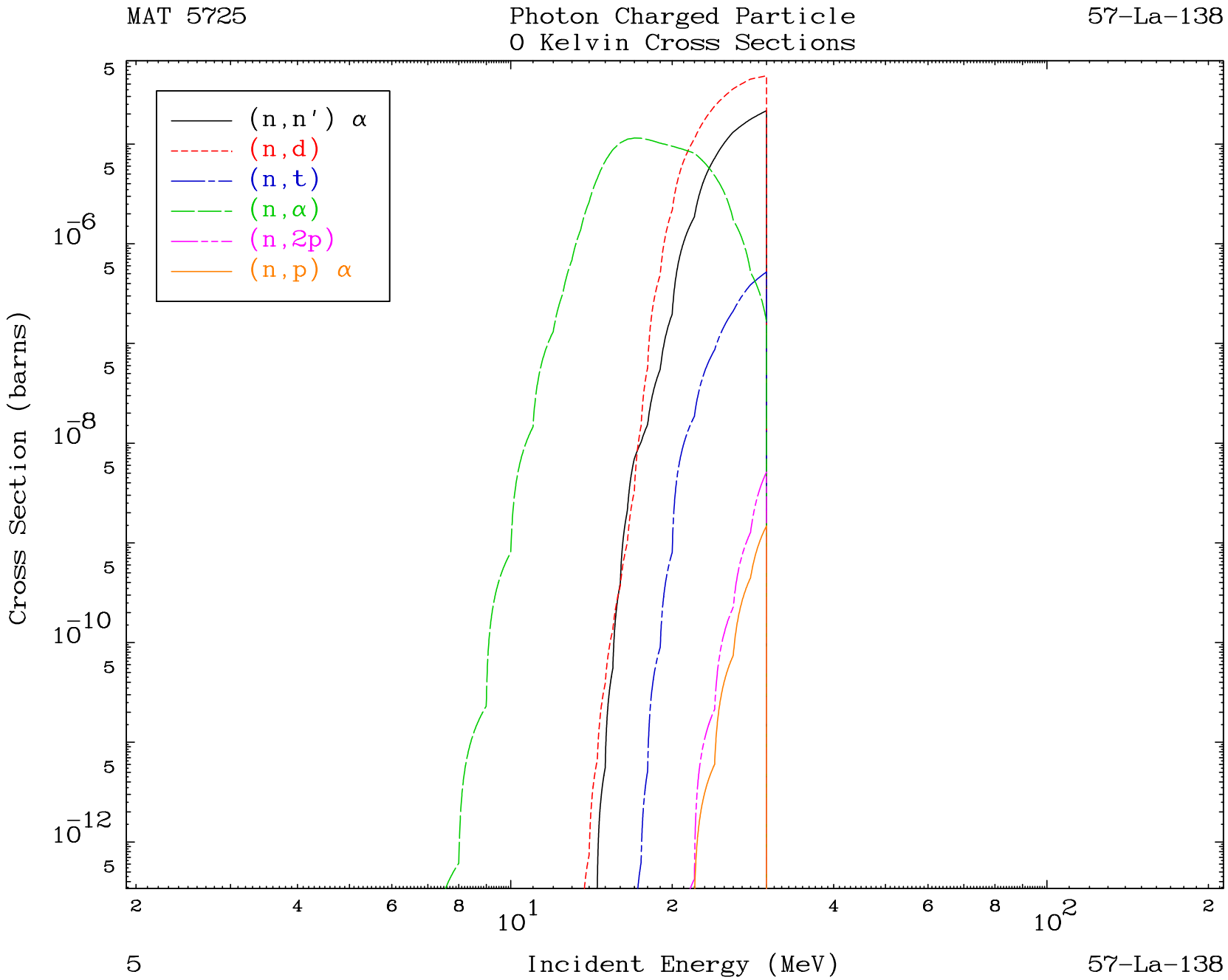
Press Mouse Button to Start

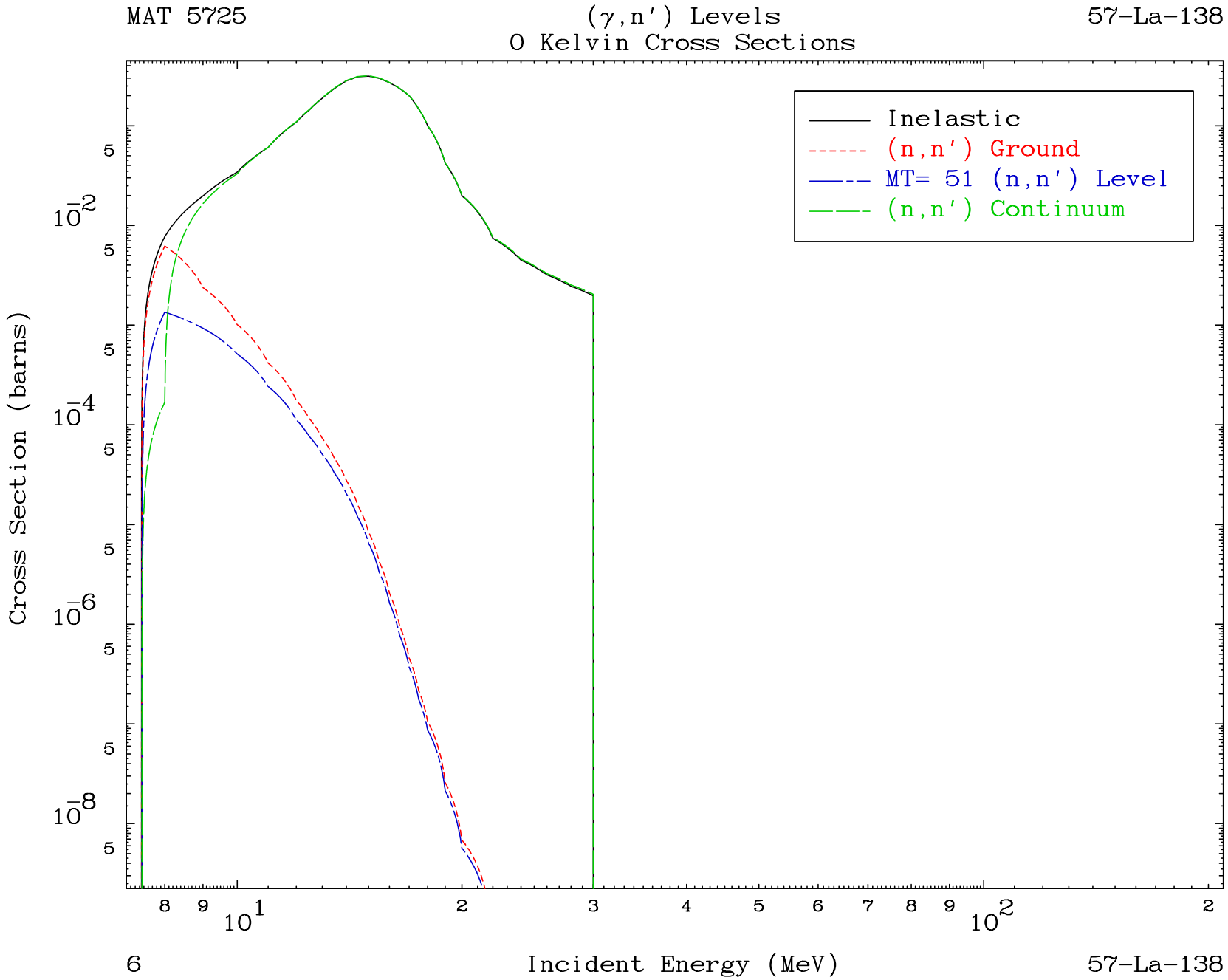

MAT 5725
Photon Major
57-La-138
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
57-La-138

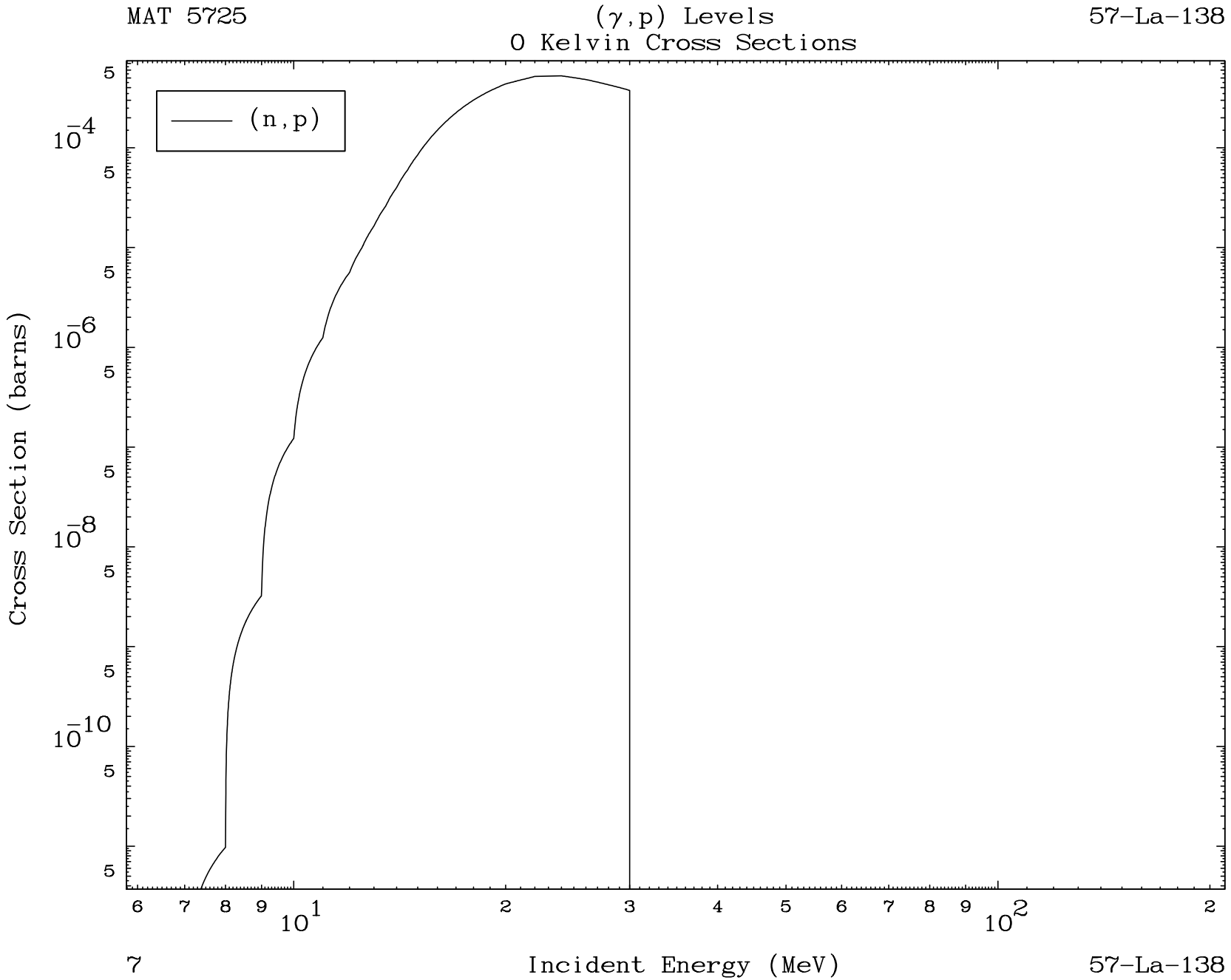

MAT 5725
Photon Neutron Absorption
0 Kelvin Cross Sections
57-La-138
Cross Section (barns)
Incident Energy (MeV)
57-La-138
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p

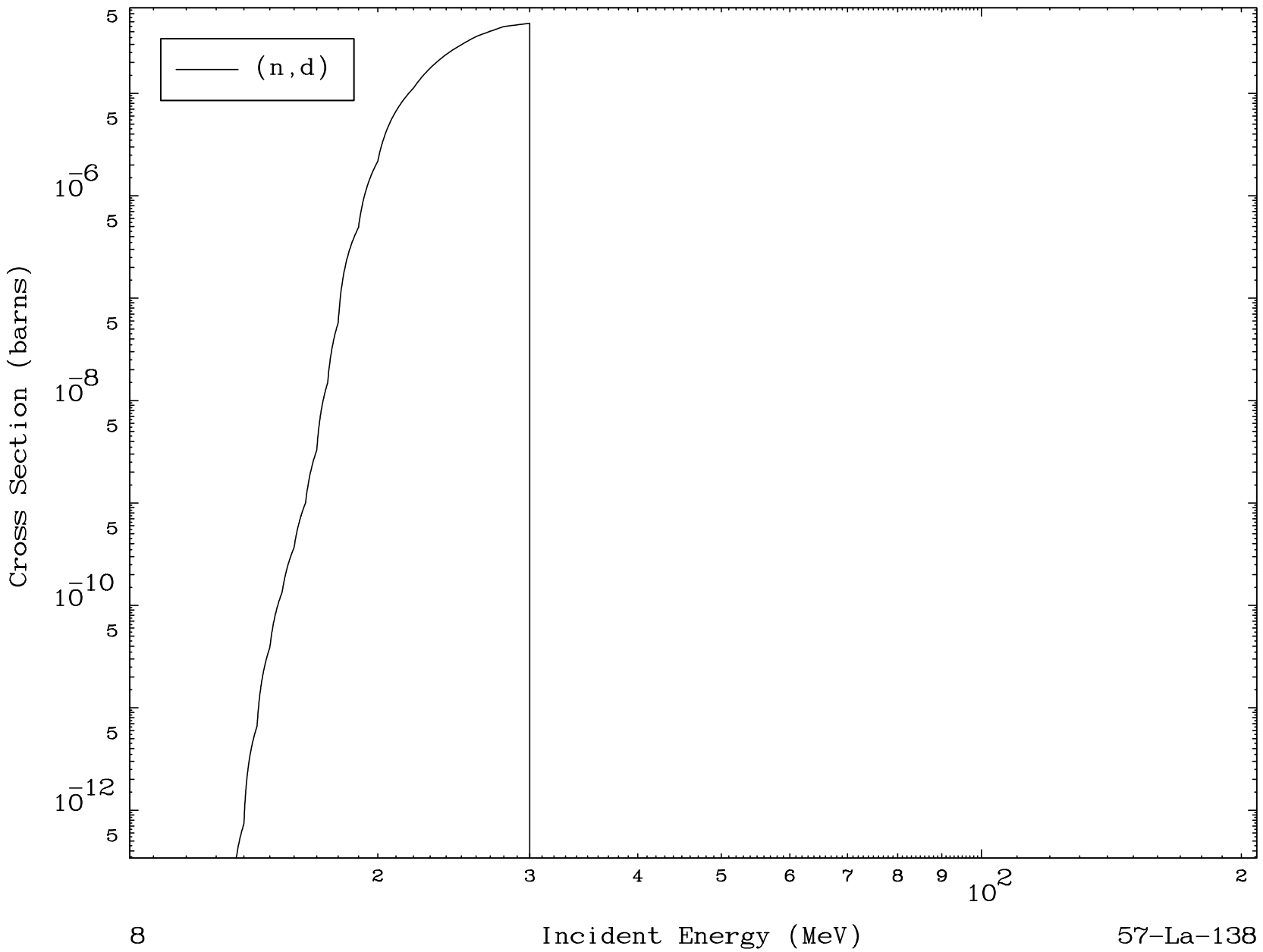

MAT 5725
Photon Neutron Absorption
0 Kelvin Cross Sections
57-La-138
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
57-La-138

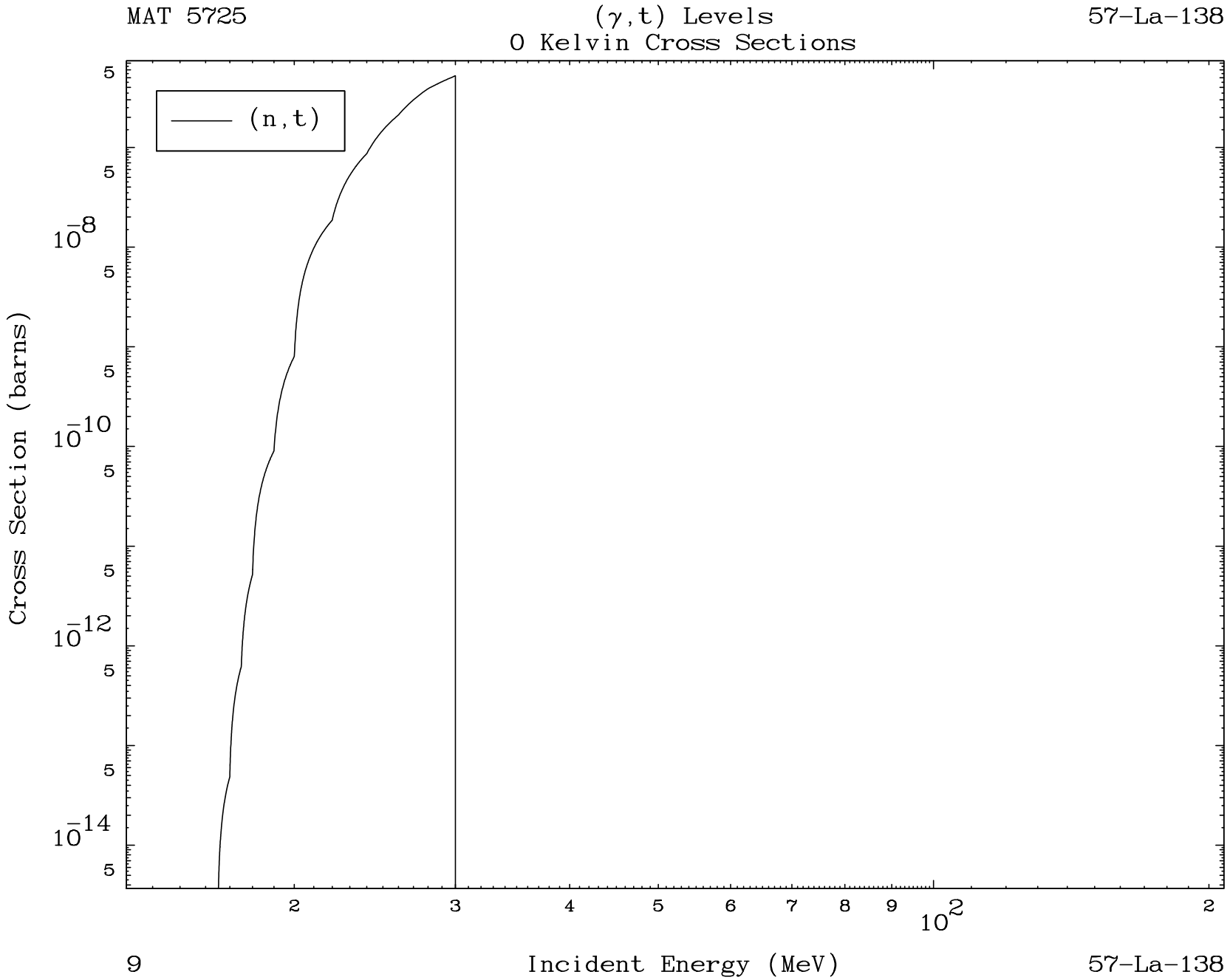

MAT 5725
Photon Charged Particle
0 Kelvin Cross Sections
57-La-138
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
4
57-La-138

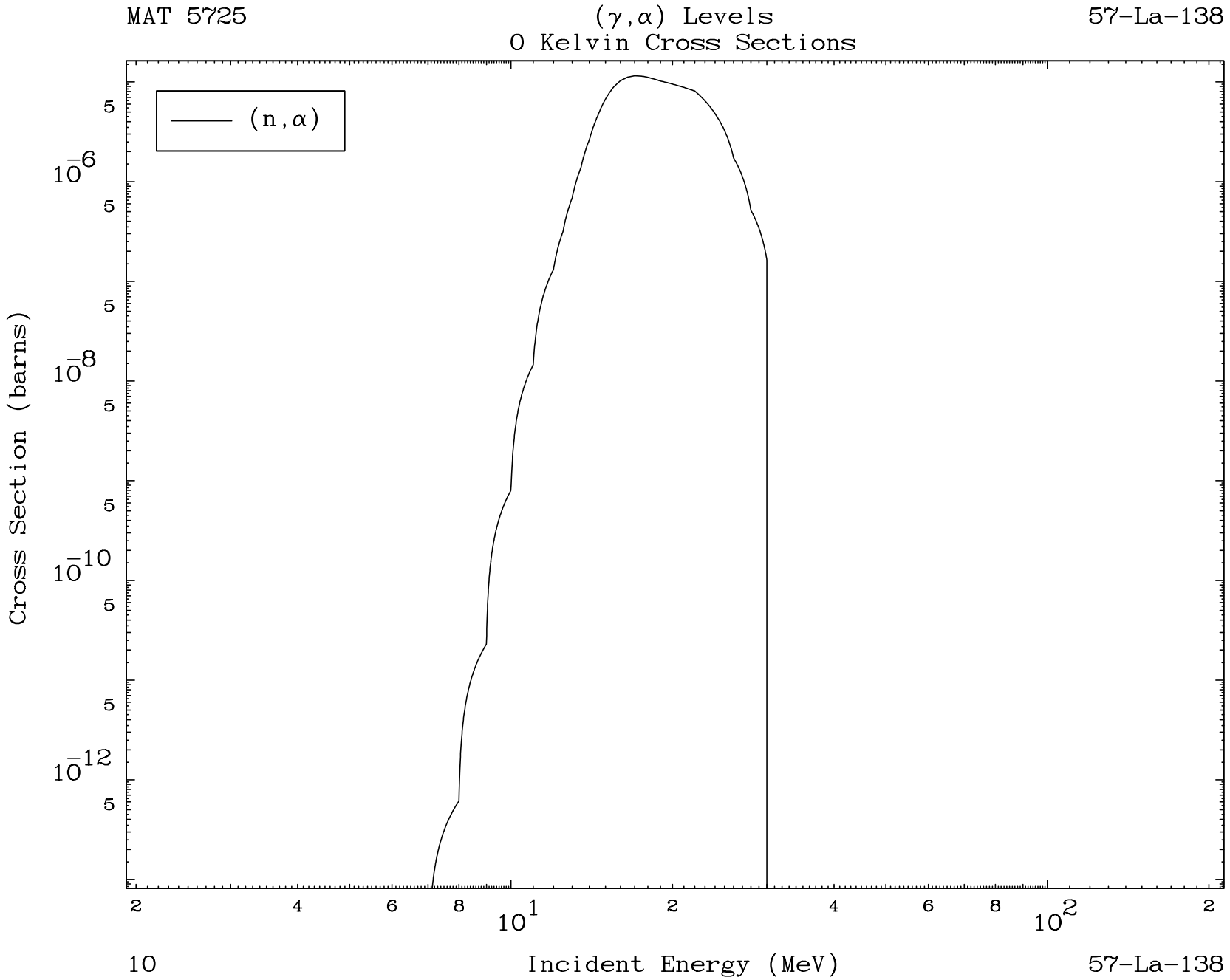

MAT 5725
Photon Charged Particle
0 Kelvin Cross Sections
57-La-138
(n,n') α
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
57-La-138

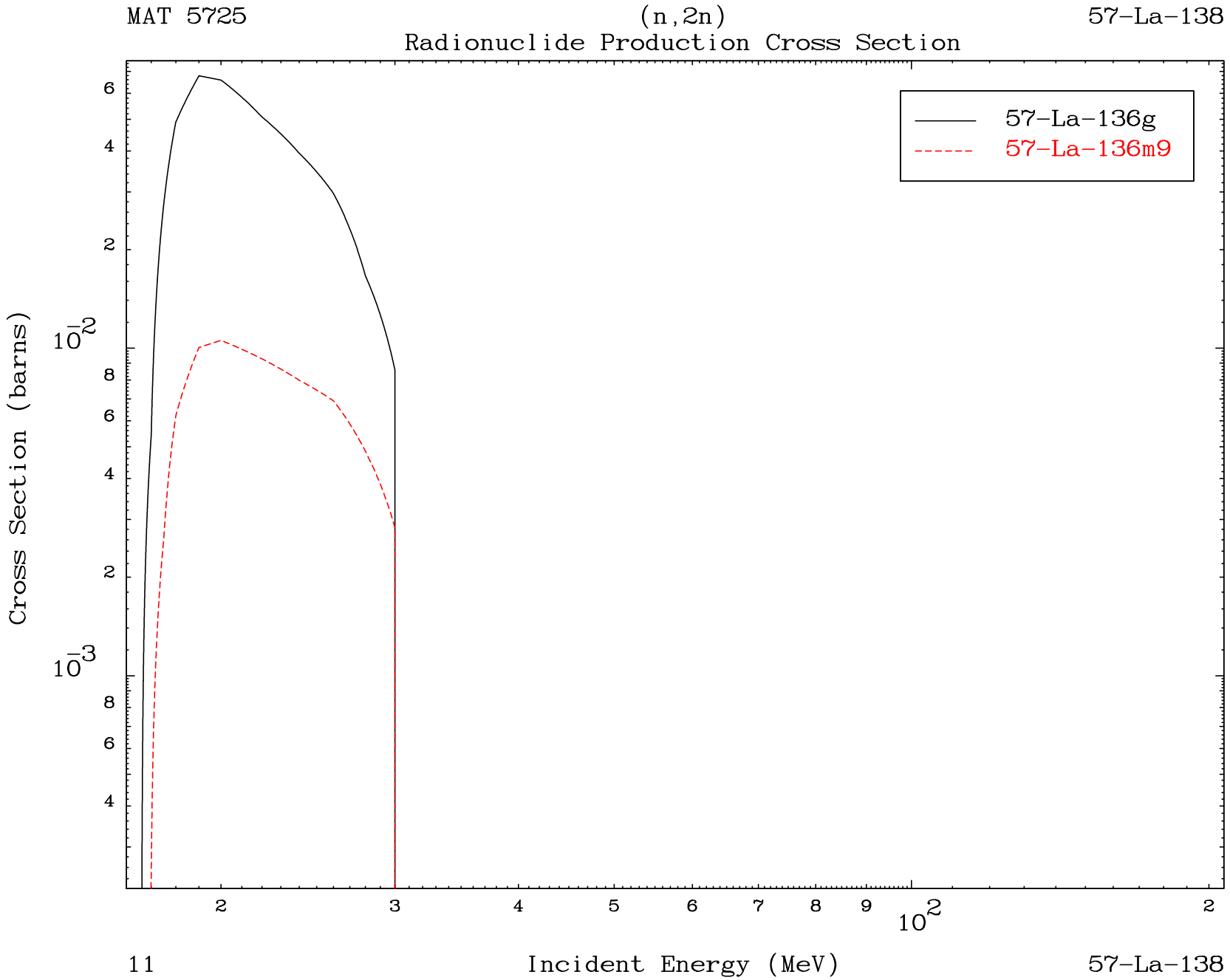

MAT 5725
(γ,n') Levels
0 Kelvin Cross Sections
57-La-138
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
57-La-138

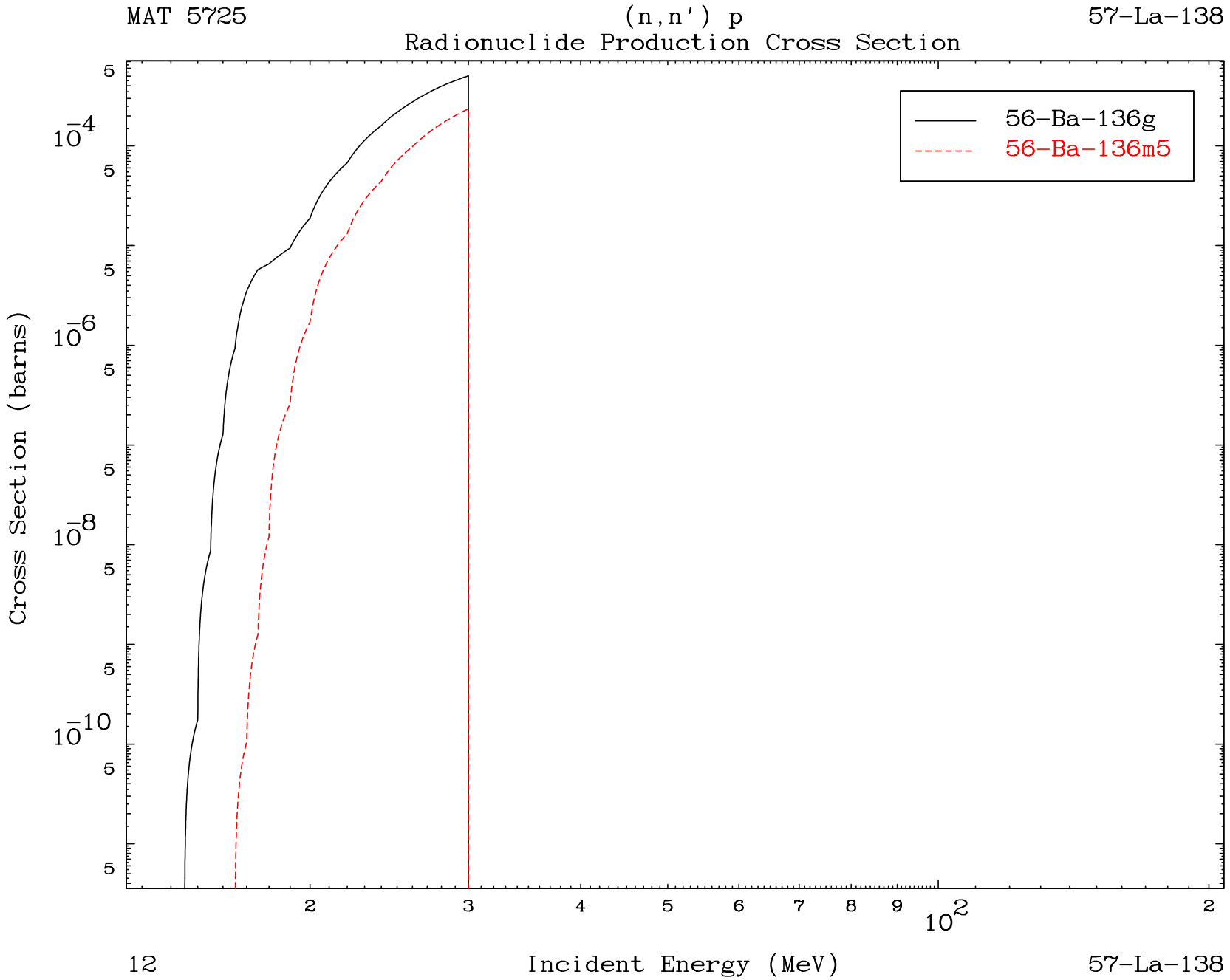

MAT 5725
(γ,p) Levels
57-La-138
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
7
57-La-138

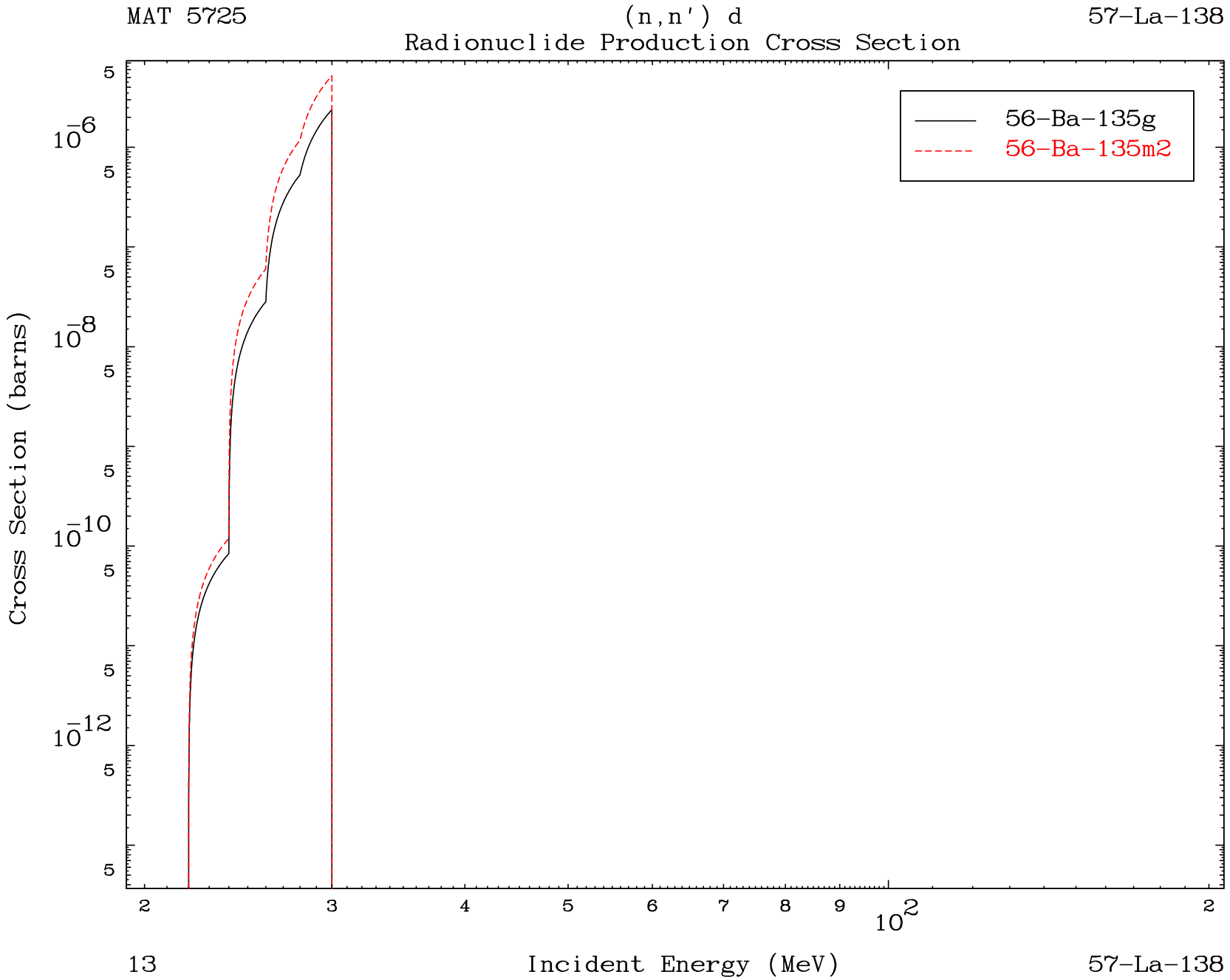

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

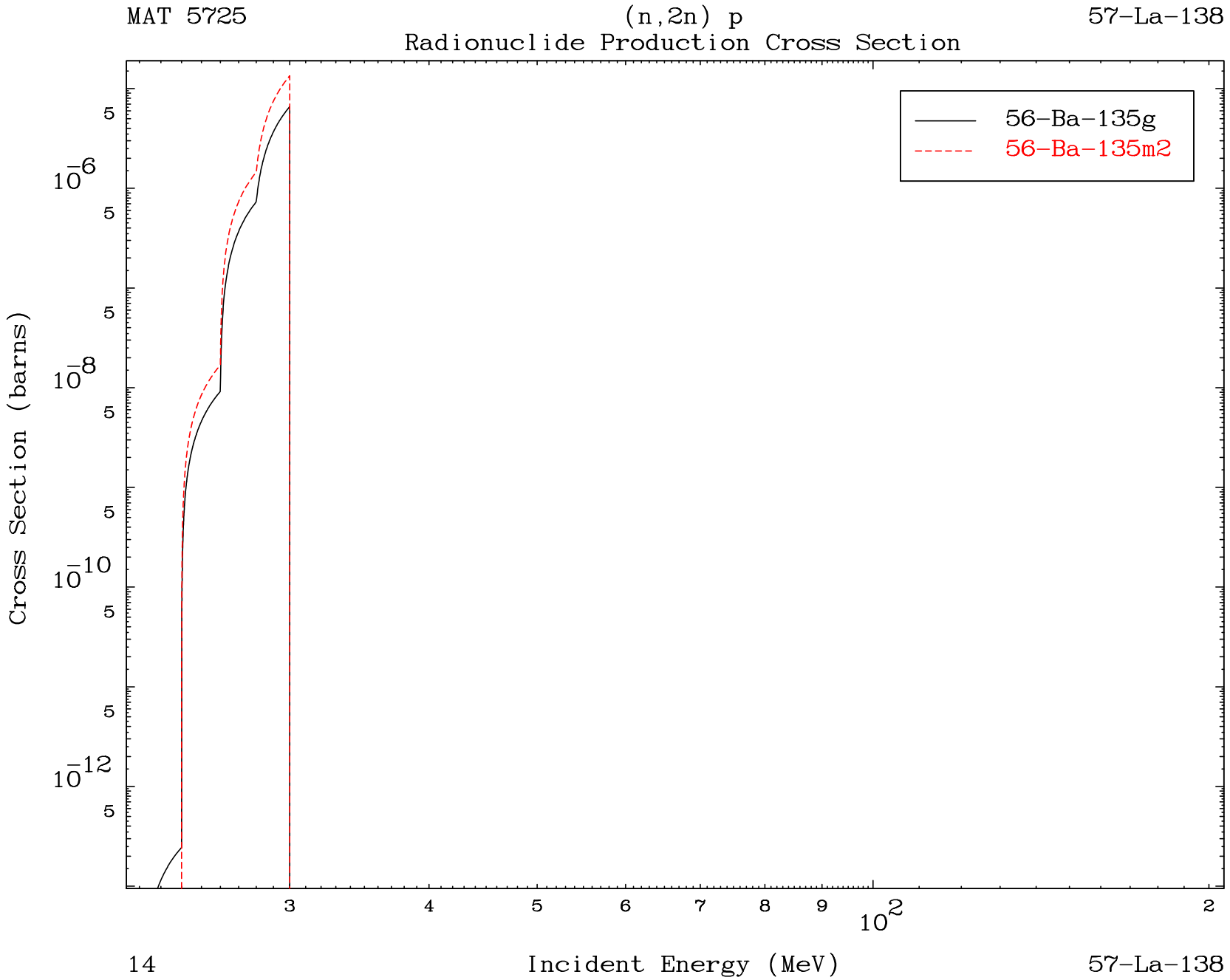

MAT 5725
(γ,t) Levels
57-La-138
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
9
57-La-138

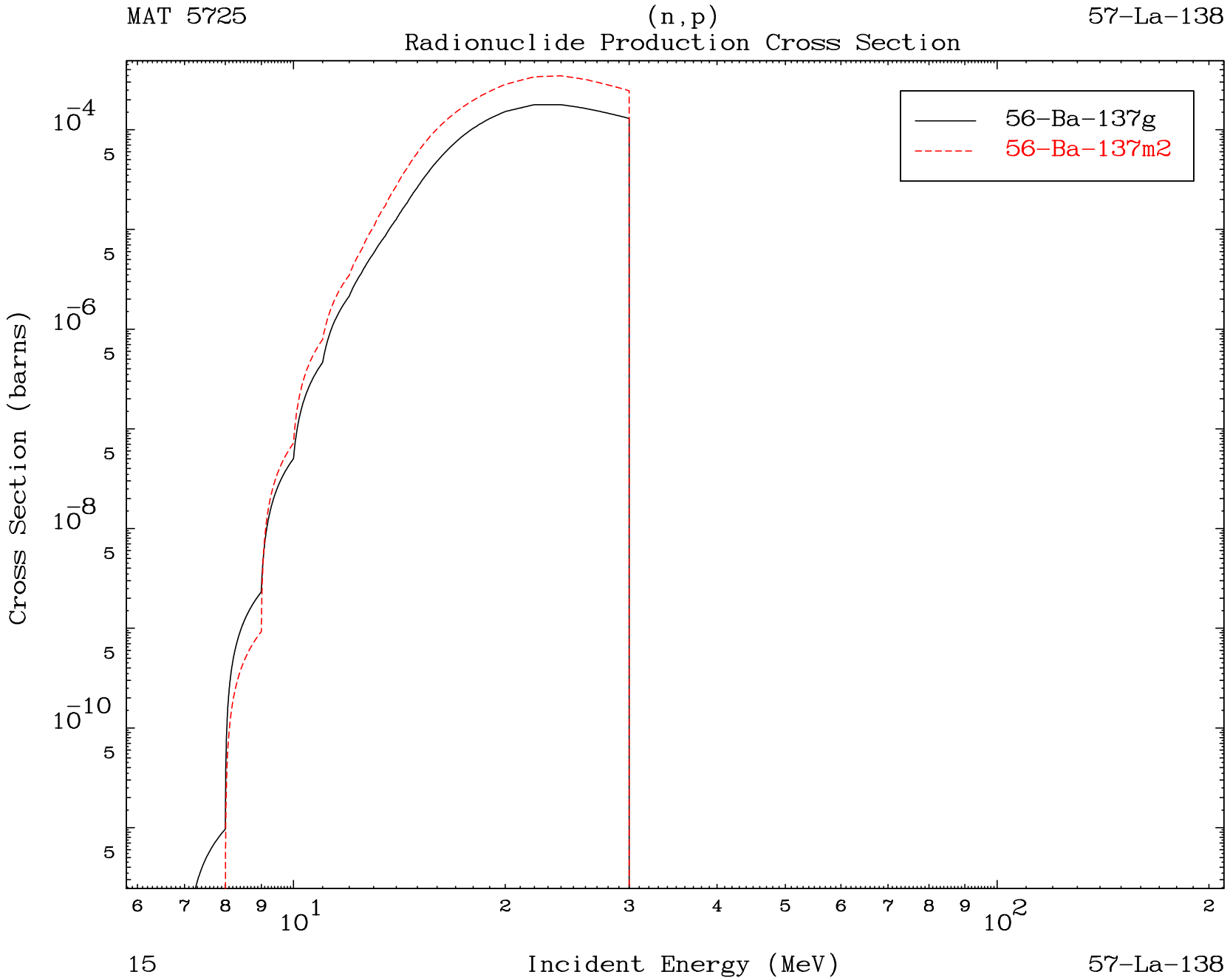

MAT 5725
(γ,α) Levels
57-La-138
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
57-La-138

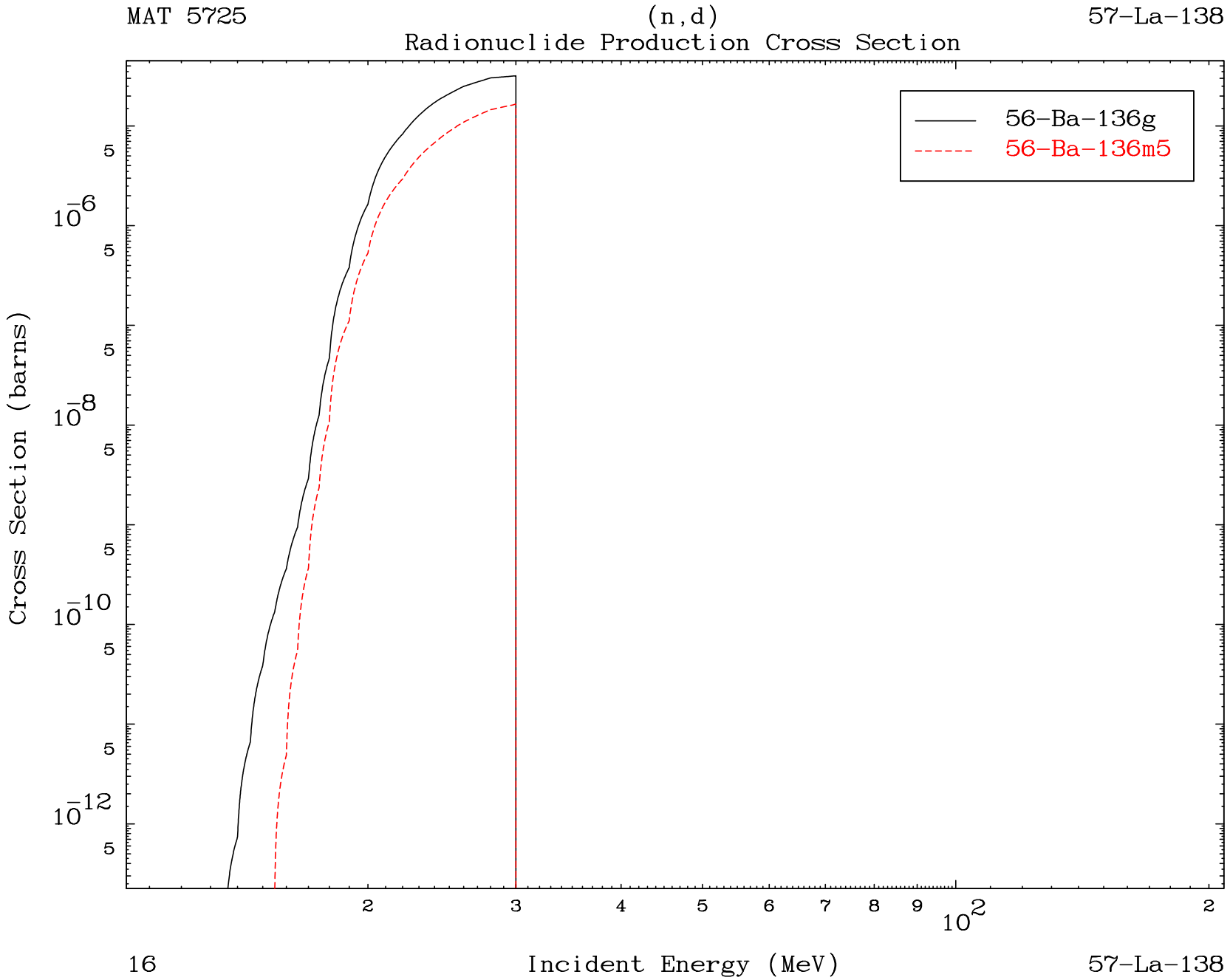

MAT 5725
(n,2n)
57-La-138
Radionuclide Production Cross Section
57-La-136g
57-La-136m9
Cross Section (barns)
Incident Energy (MeV)
11
57-La-138

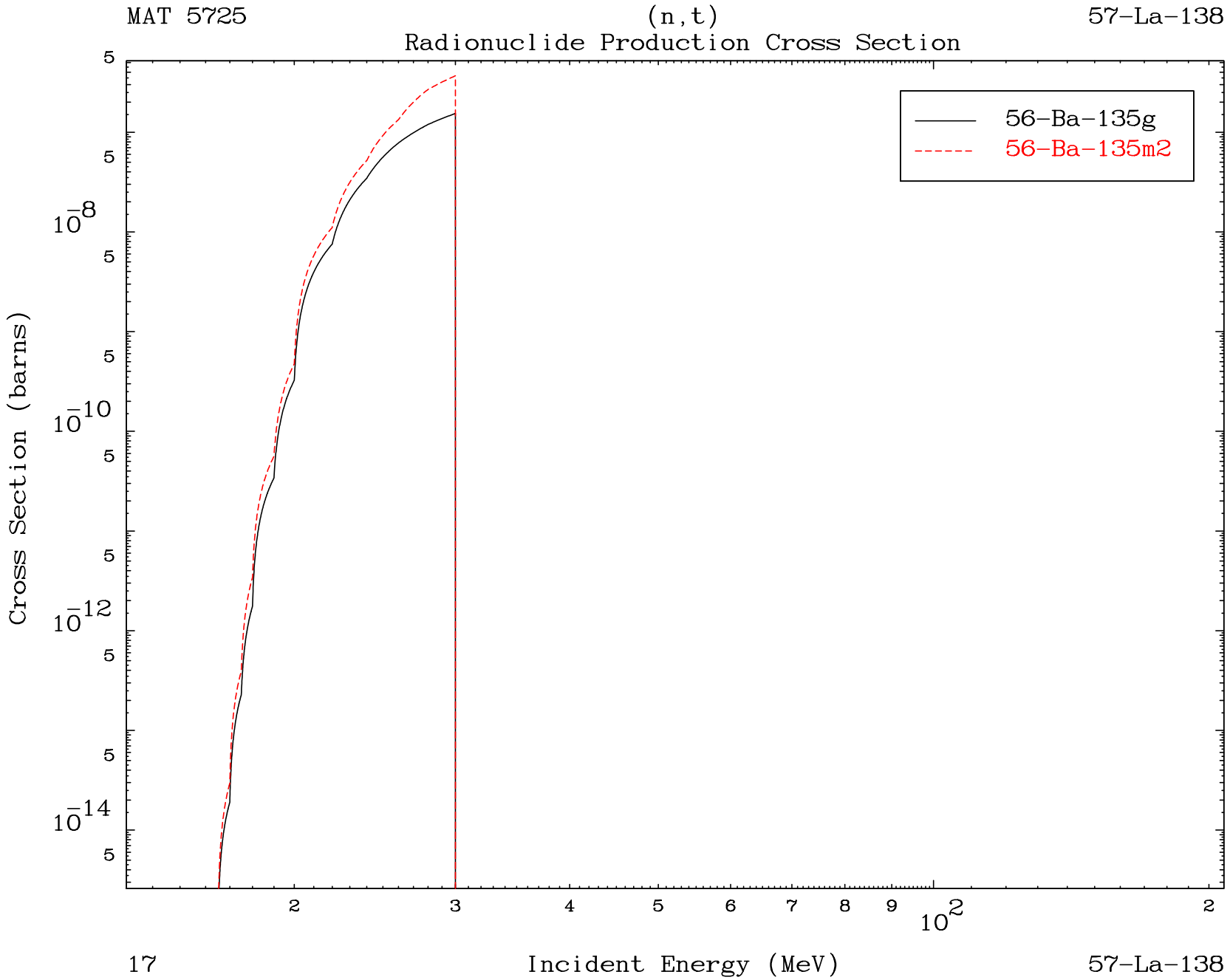

MAT 5725
(n,n') p
57-La-138
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
12
Incident Energy (MeV)
57-La-138

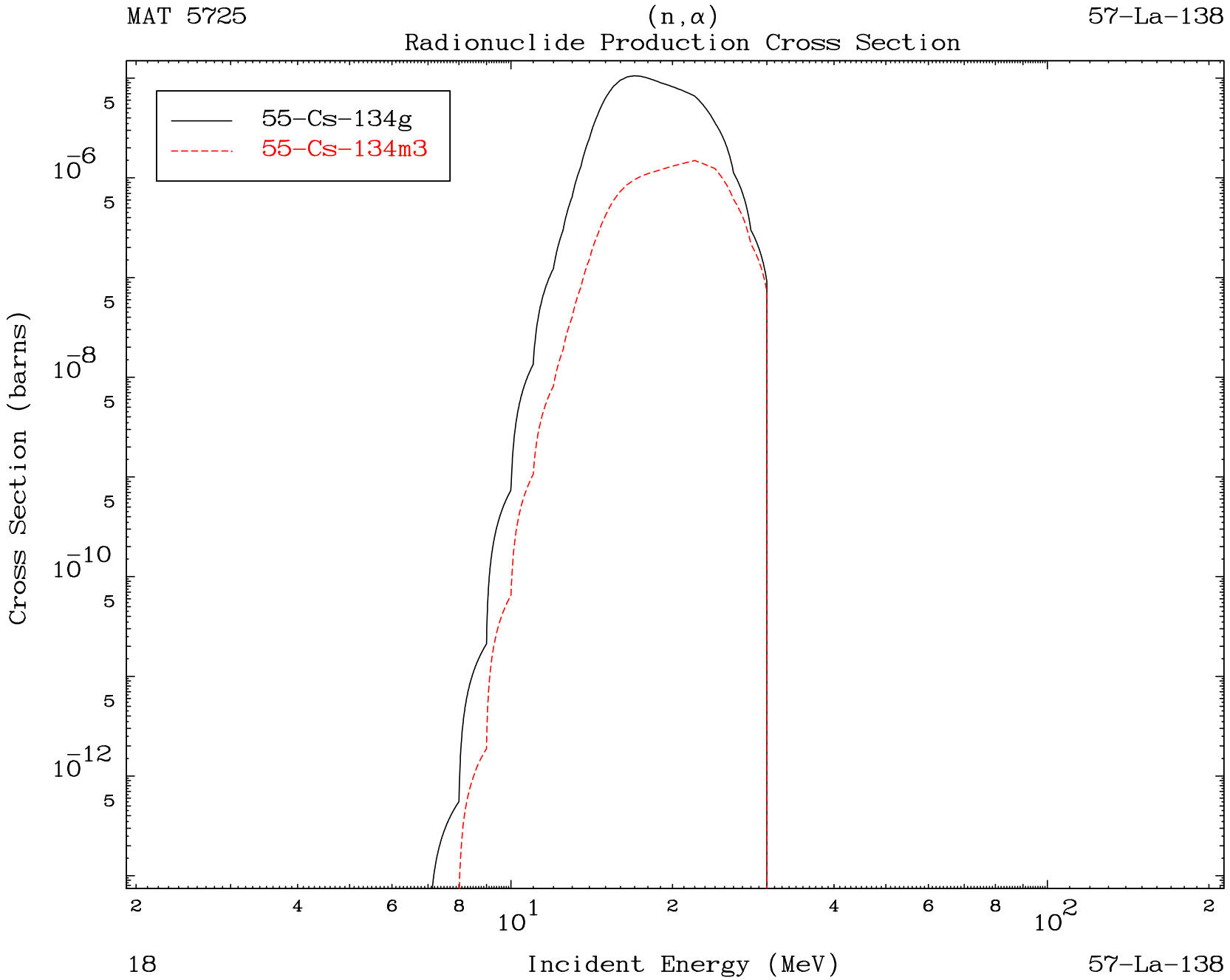

MAT 5725
(n,n') d
57-La-138
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
57-La-138

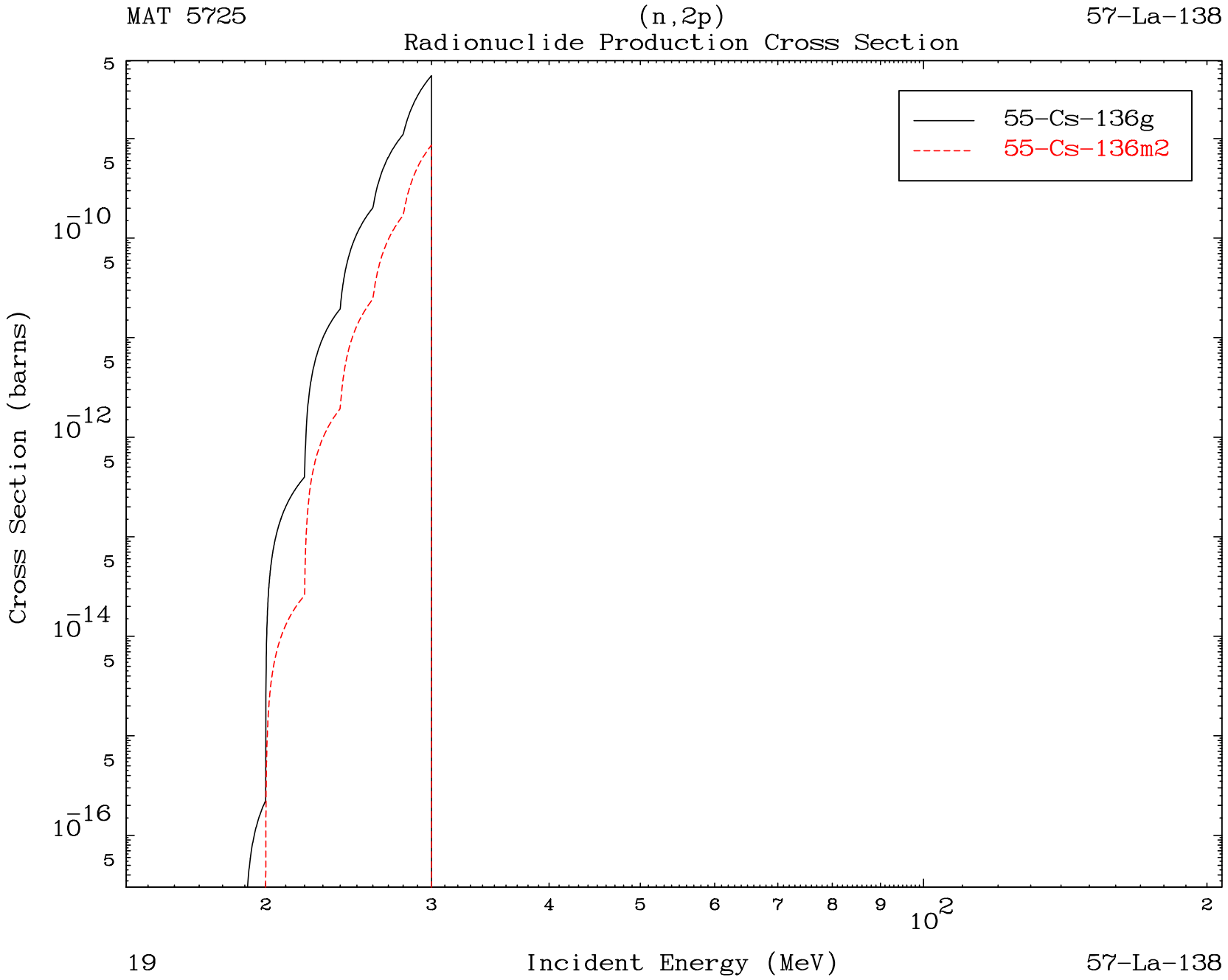

MAT 5725
(n,2n) p
57-La-138
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
57-La-138

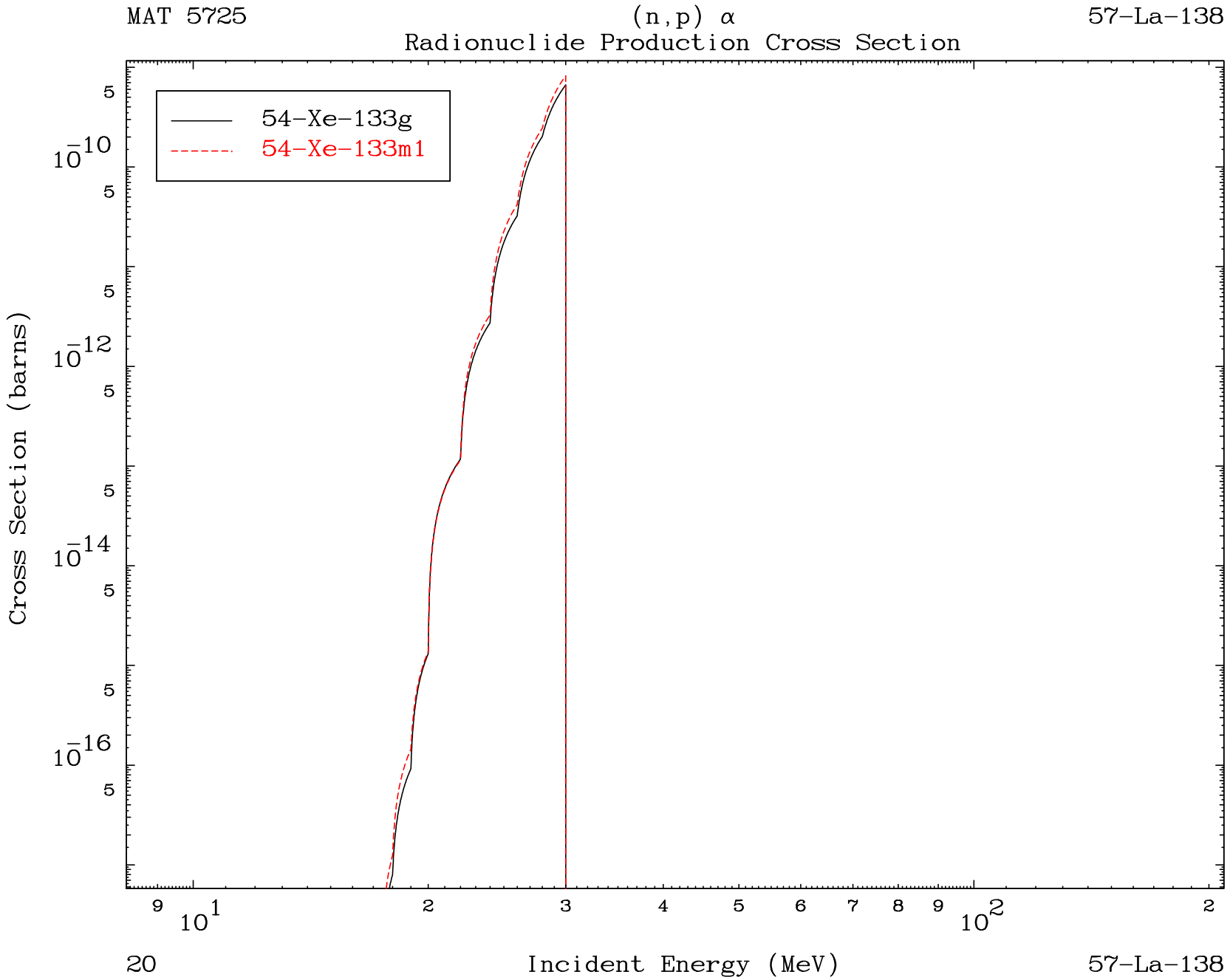

MAT 5725
(n,p)
57-La-138
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
15
57-La-138


MAT 5725
(n,d)
57-La-138
Radionuclide Production Cross Section
56-Ba-136g
56-Ba-136m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
57-La-138


MAT 5725
(n,t)
57-La-138
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
17
57-La-138


MAT 5725
(n,α)
57-La-138
Radionuclide Production Cross Section
55-Cs-134g
55-Cs-134m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
4
6
8
101
102
18
Incident Energy (MeV)
57-La-138


MAT 5725
(n,2p)
57-La-138
Radionuclide Production Cross Section
55-Cs-136g
55-Cs-136m2
Cross Section (barns)
Incident Energy (MeV)
19
57-La-138


MAT 5725
(n,p) α
57-La-138
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
20
57-La-138