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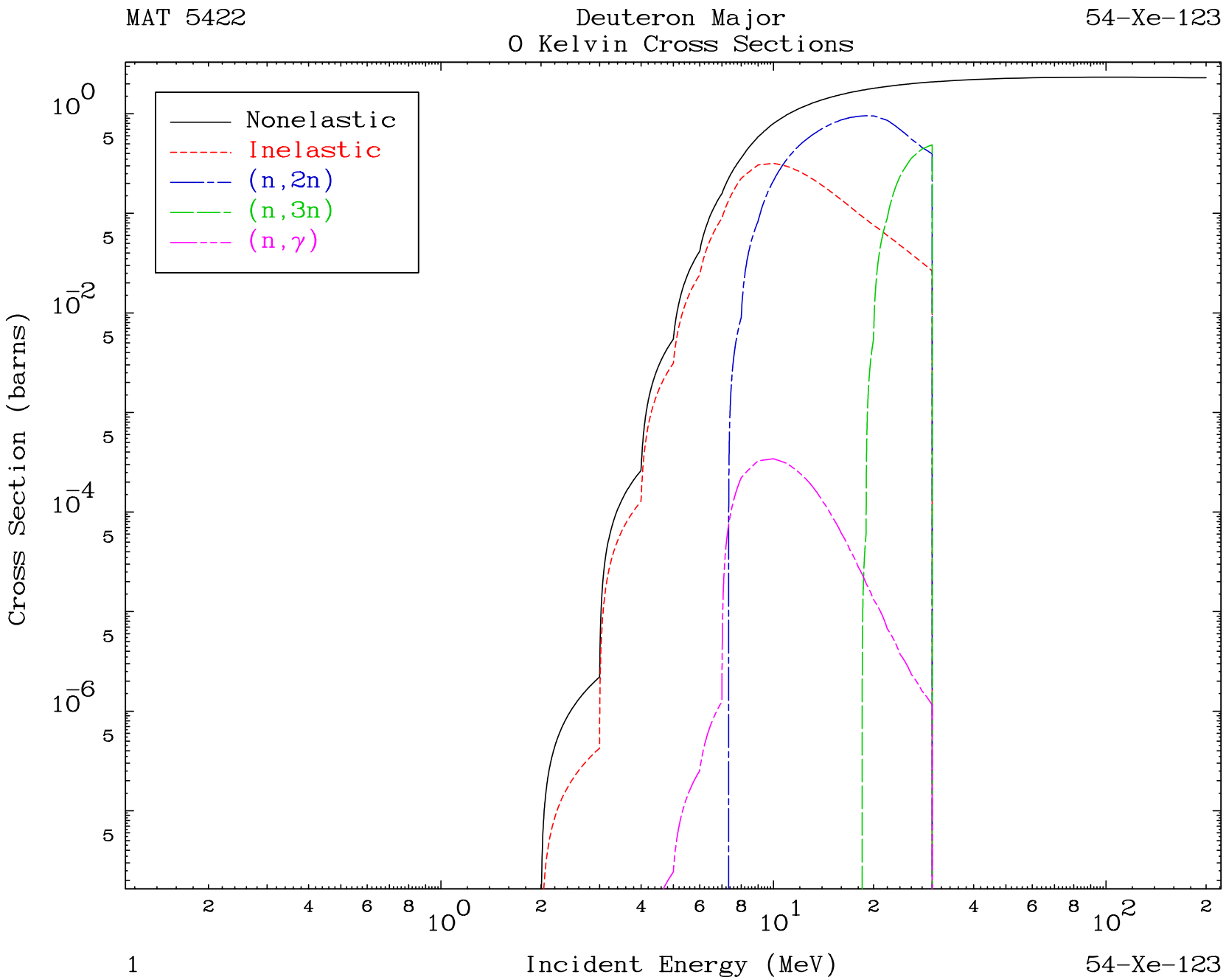
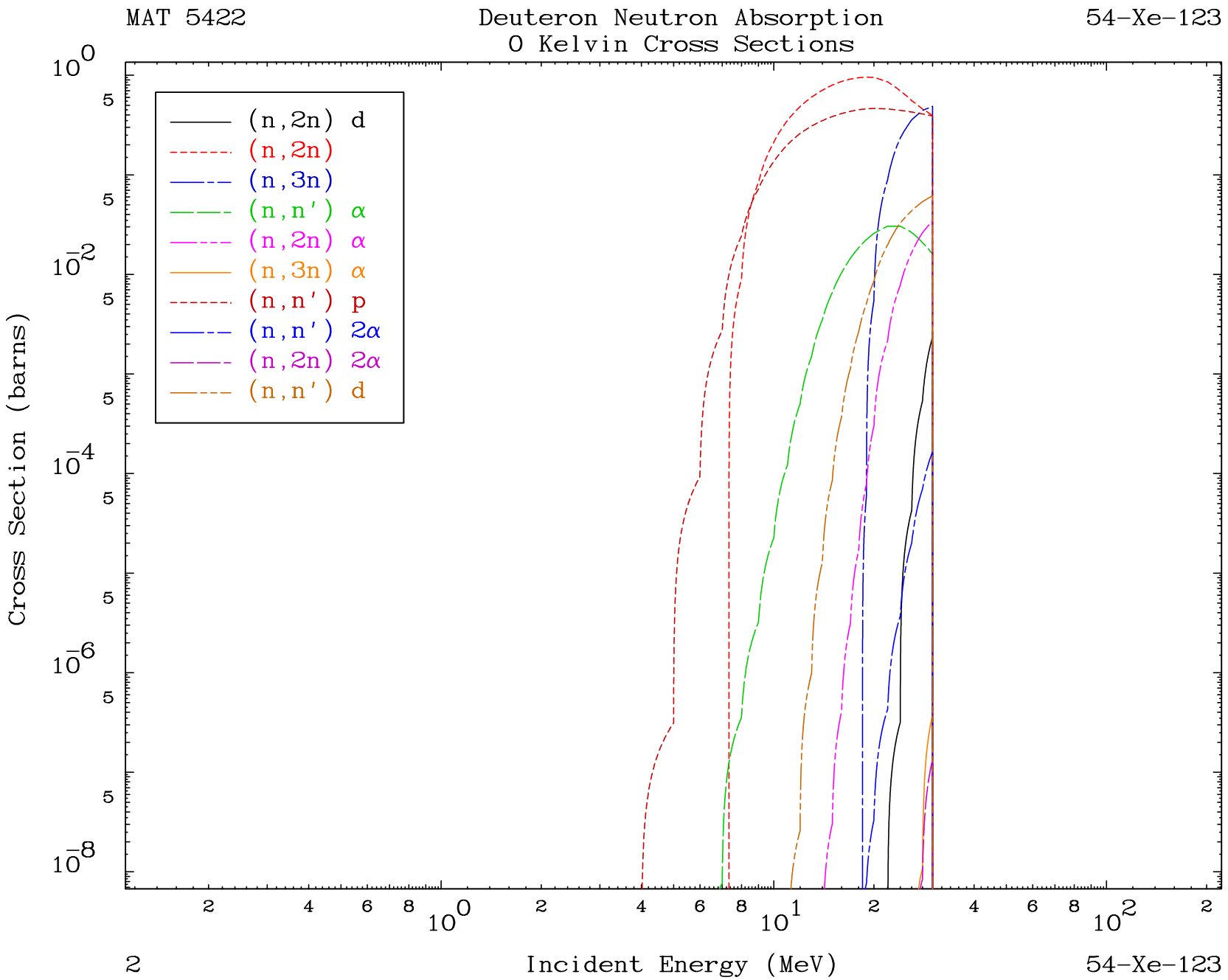
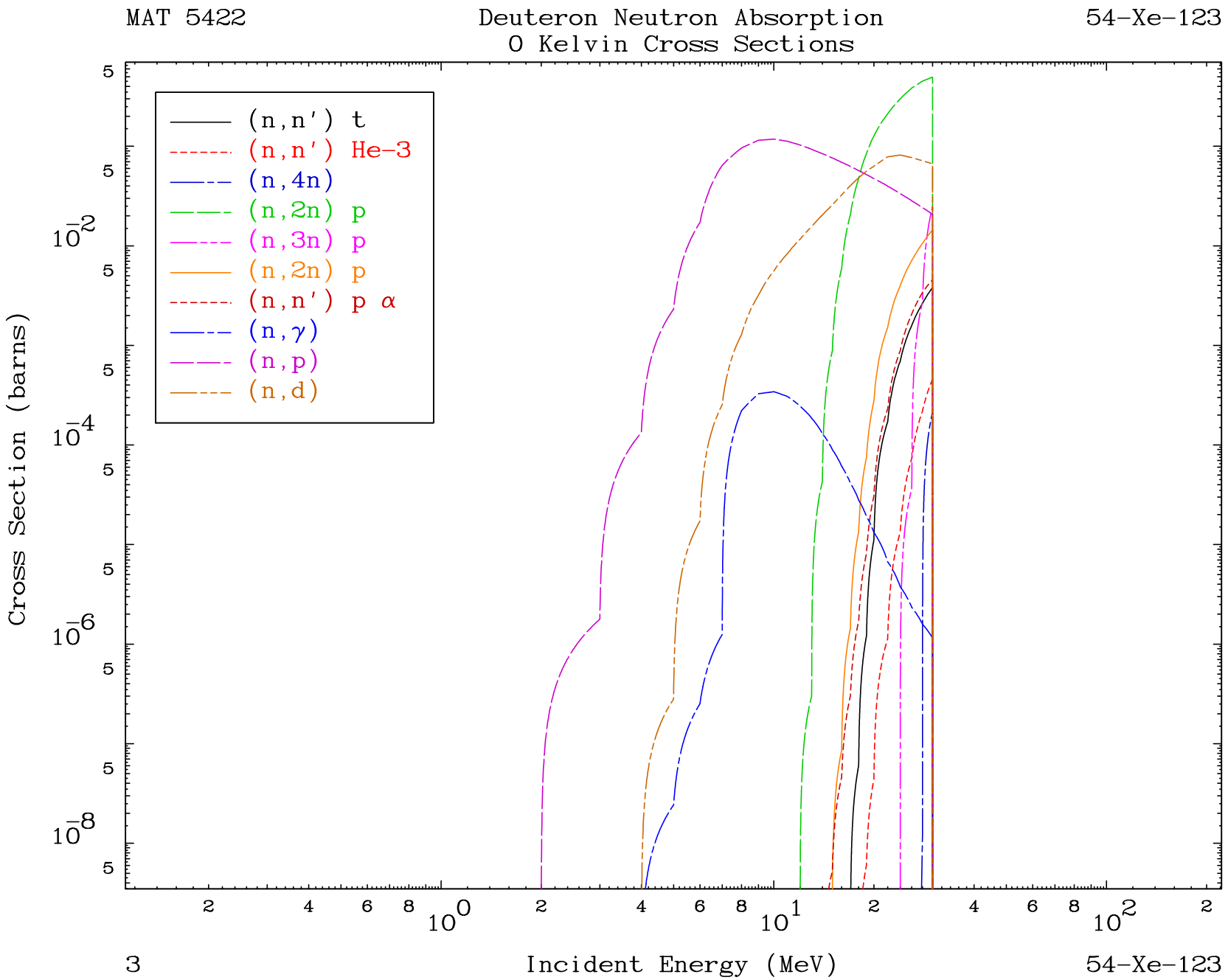
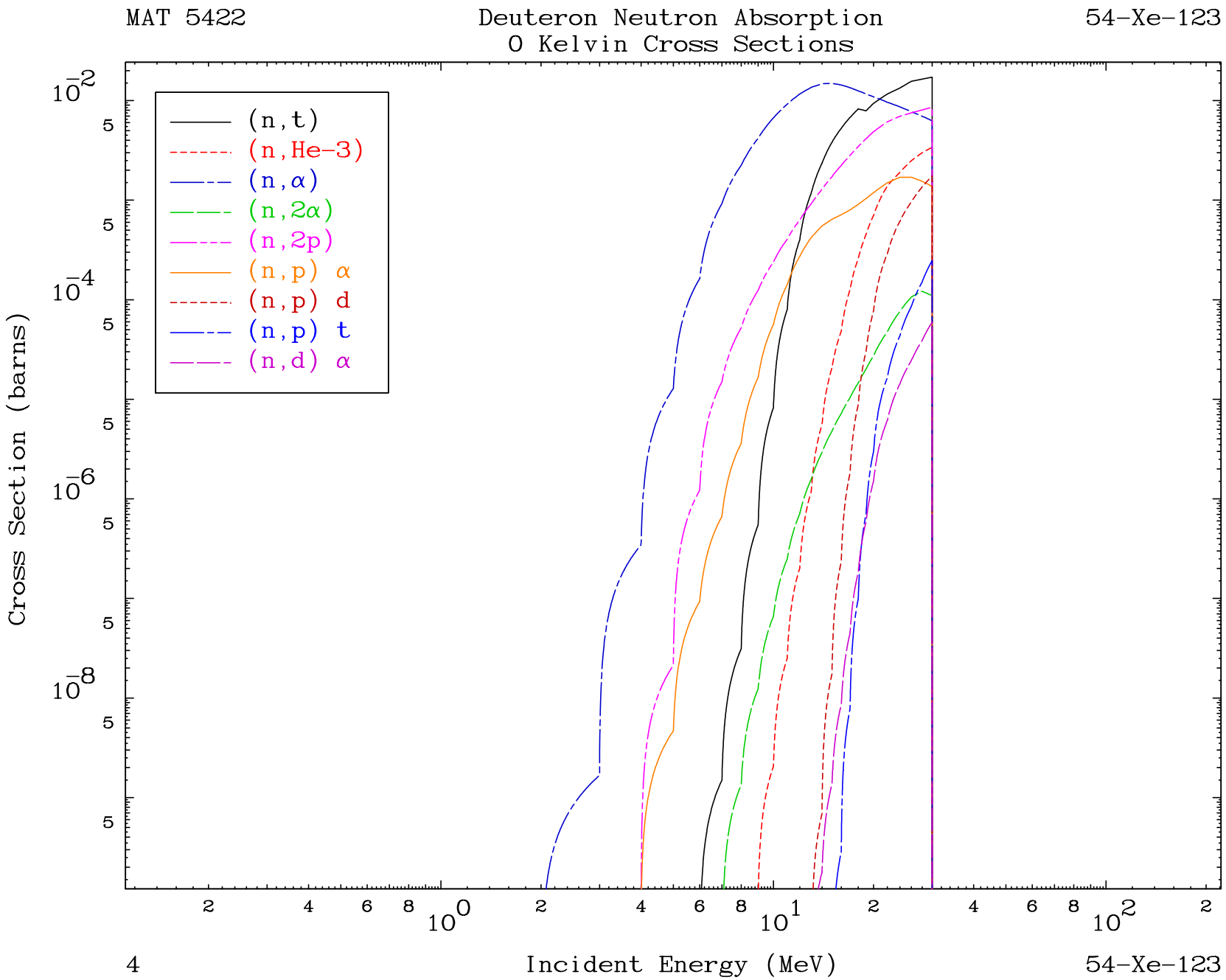
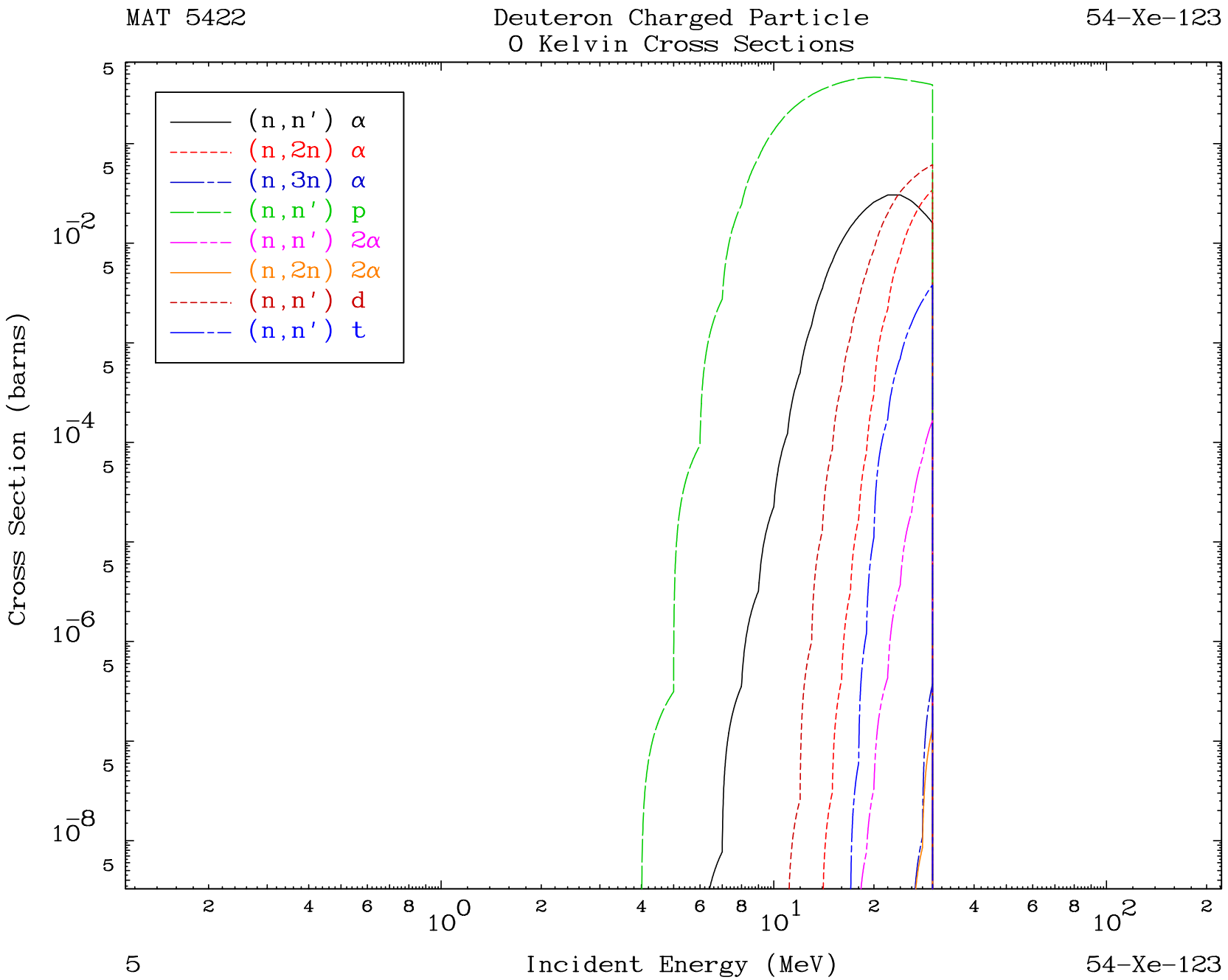
Press Mouse Button to Start

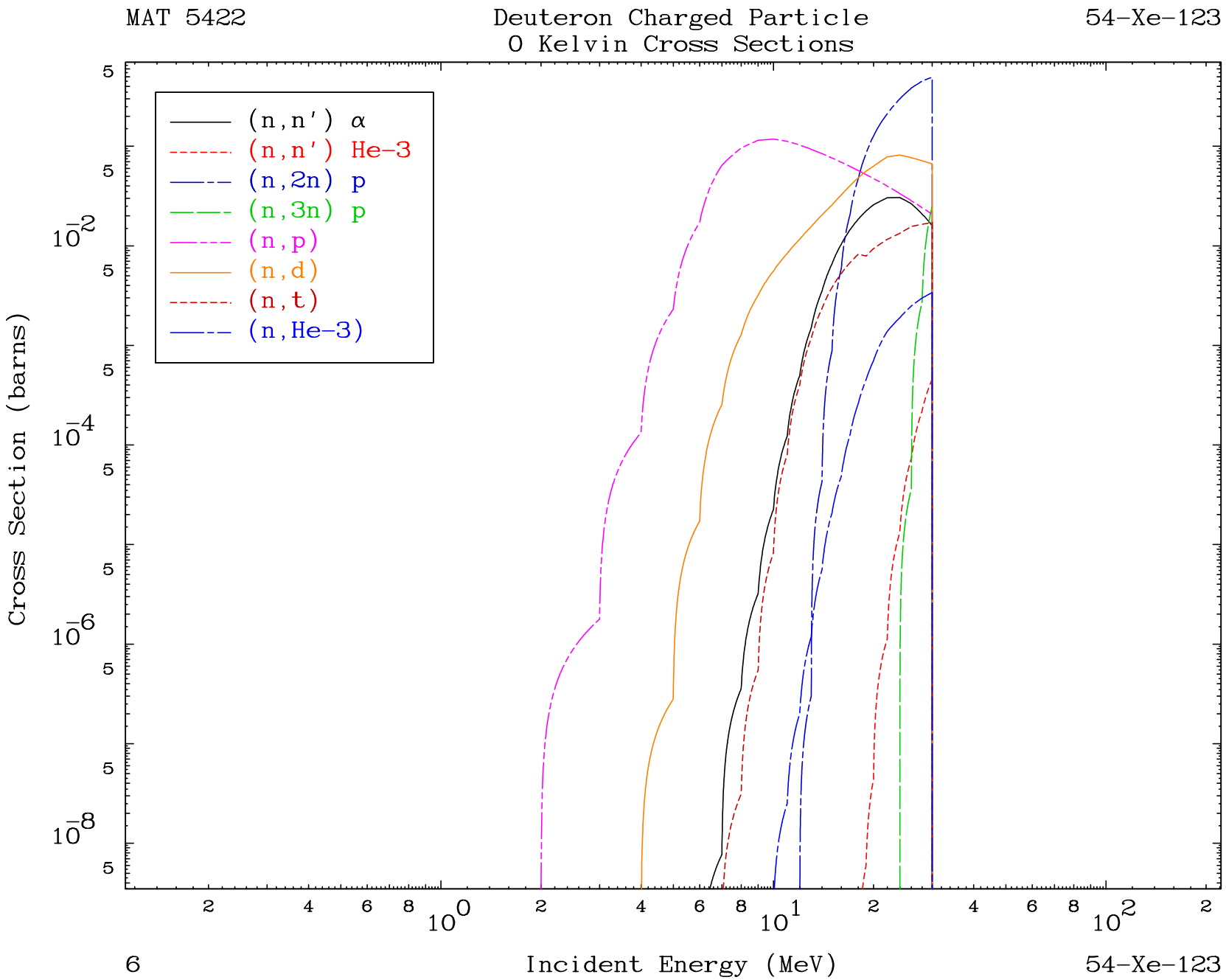

MAT 5422
Deuteron Major
54-Xe-123
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-123
1

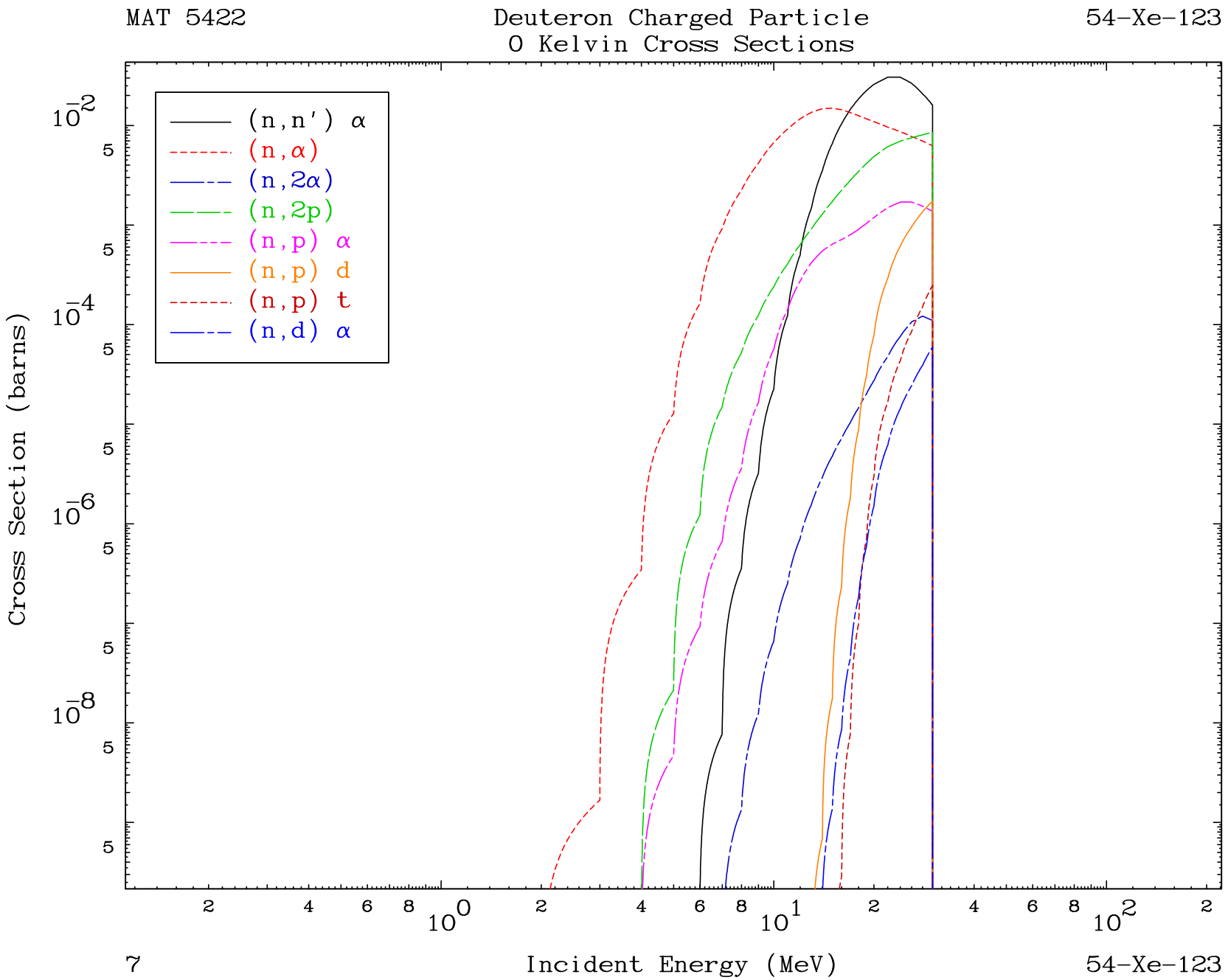

MAT 5422
Deuteron Neutron Absorption
0 Kelvin Cross Sections
54-Xe-123
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
54-Xe-123

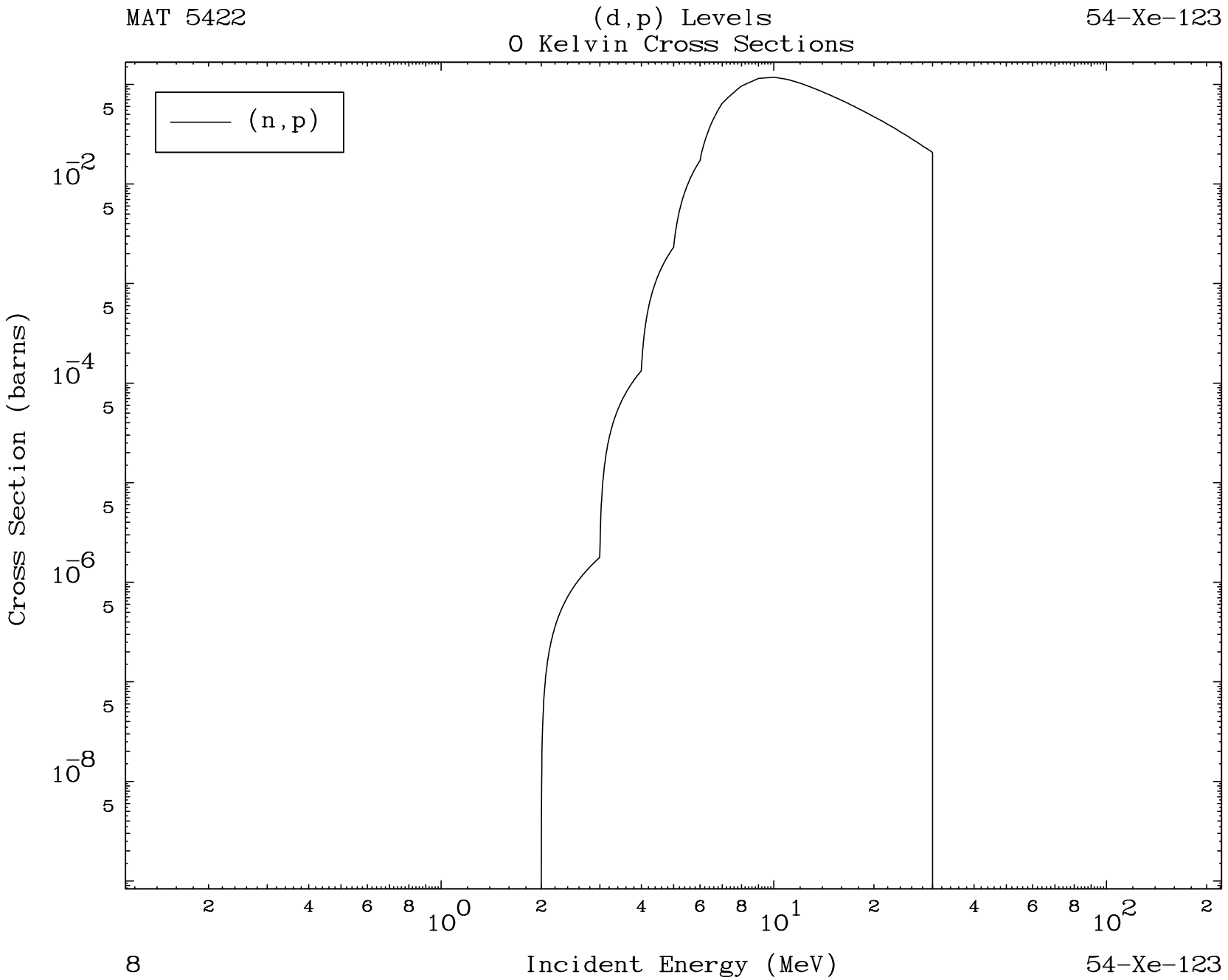

MAT 5422
Deuteron Neutron Absorption
0 Kelvin Cross Sections
54-Xe-123
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-123

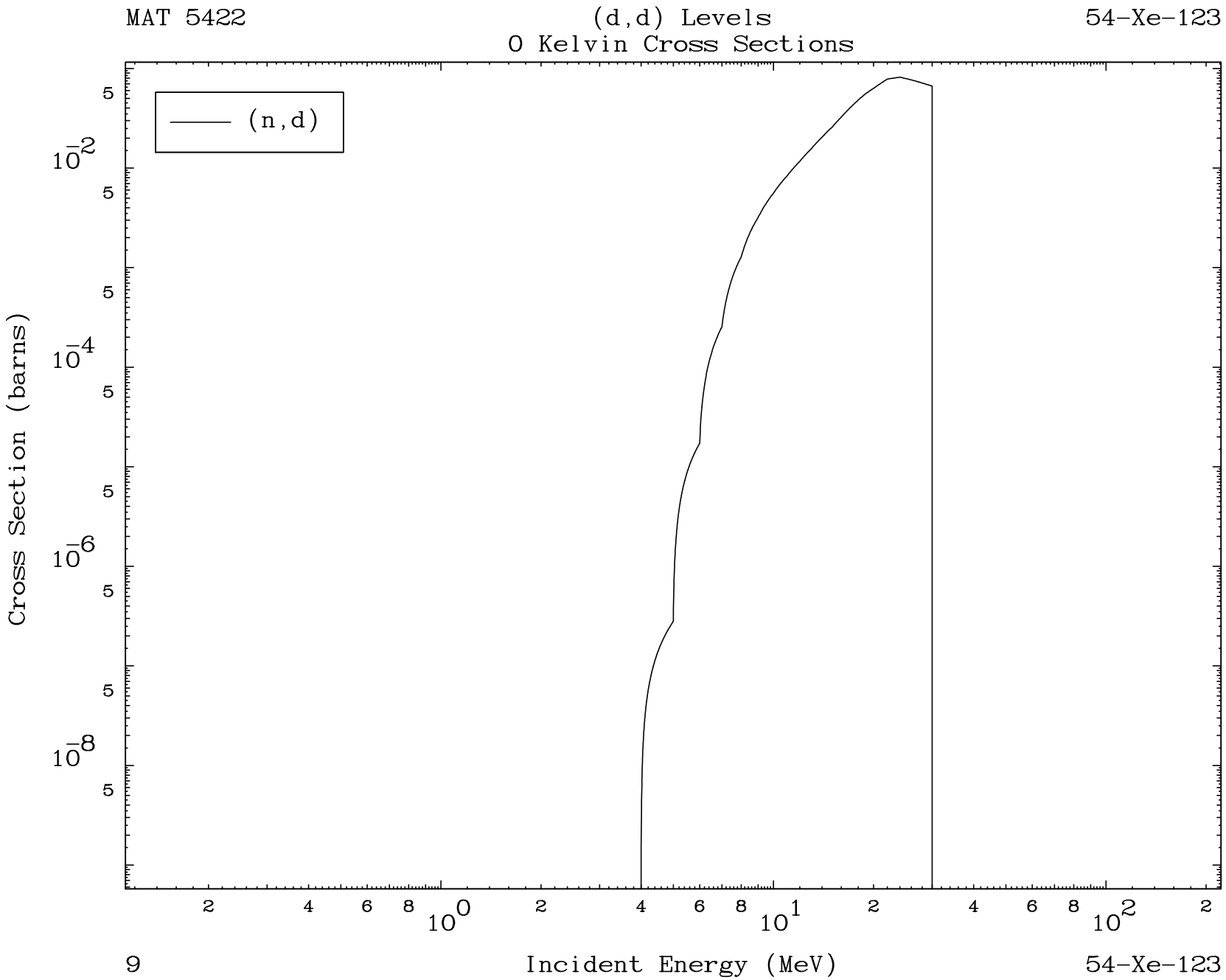

MAT 5422
Deuteron Neutron Absorption
0 Kelvin Cross Sections
54-Xe-123
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-123

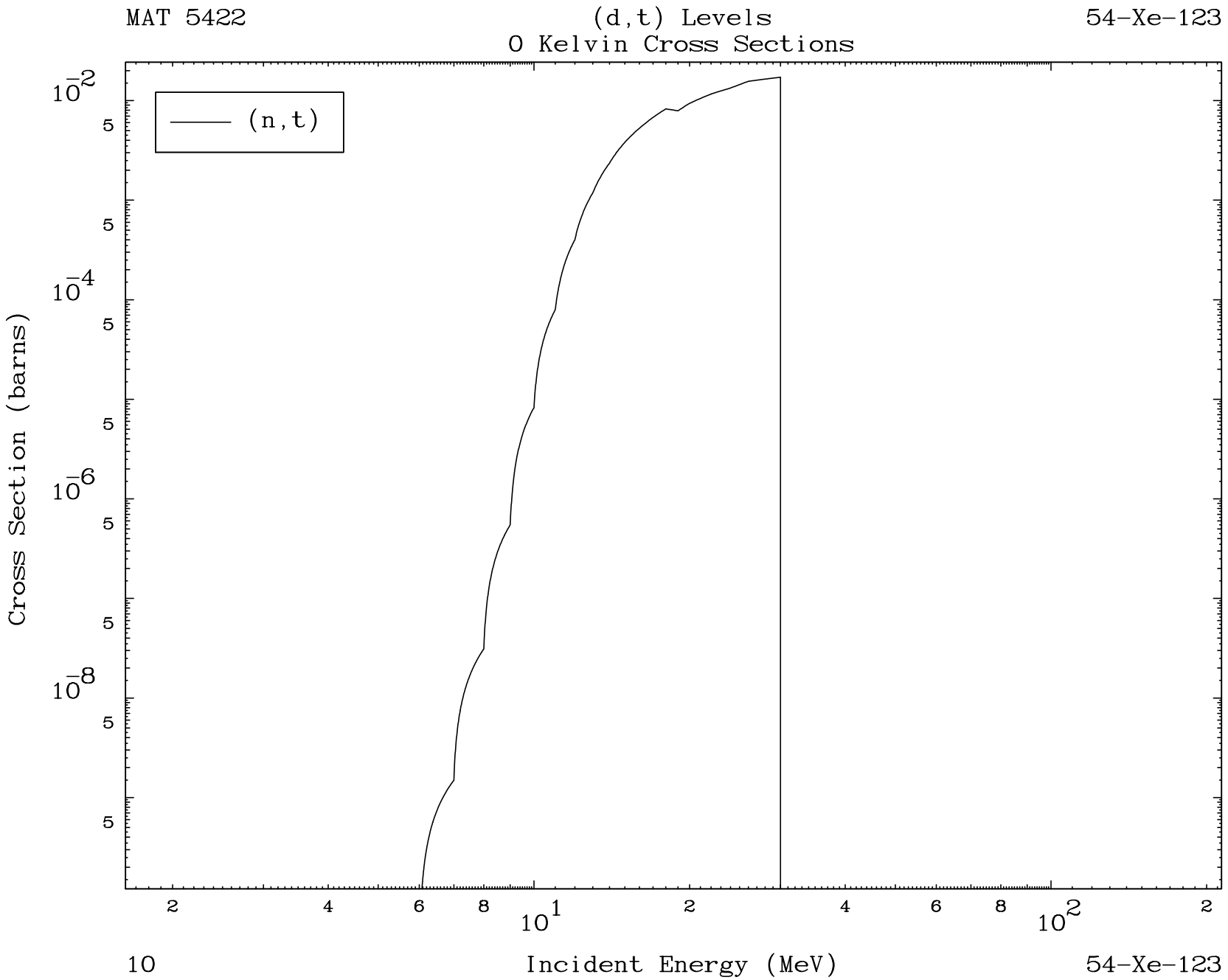

MAT 5422
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-123
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
54-Xe-123

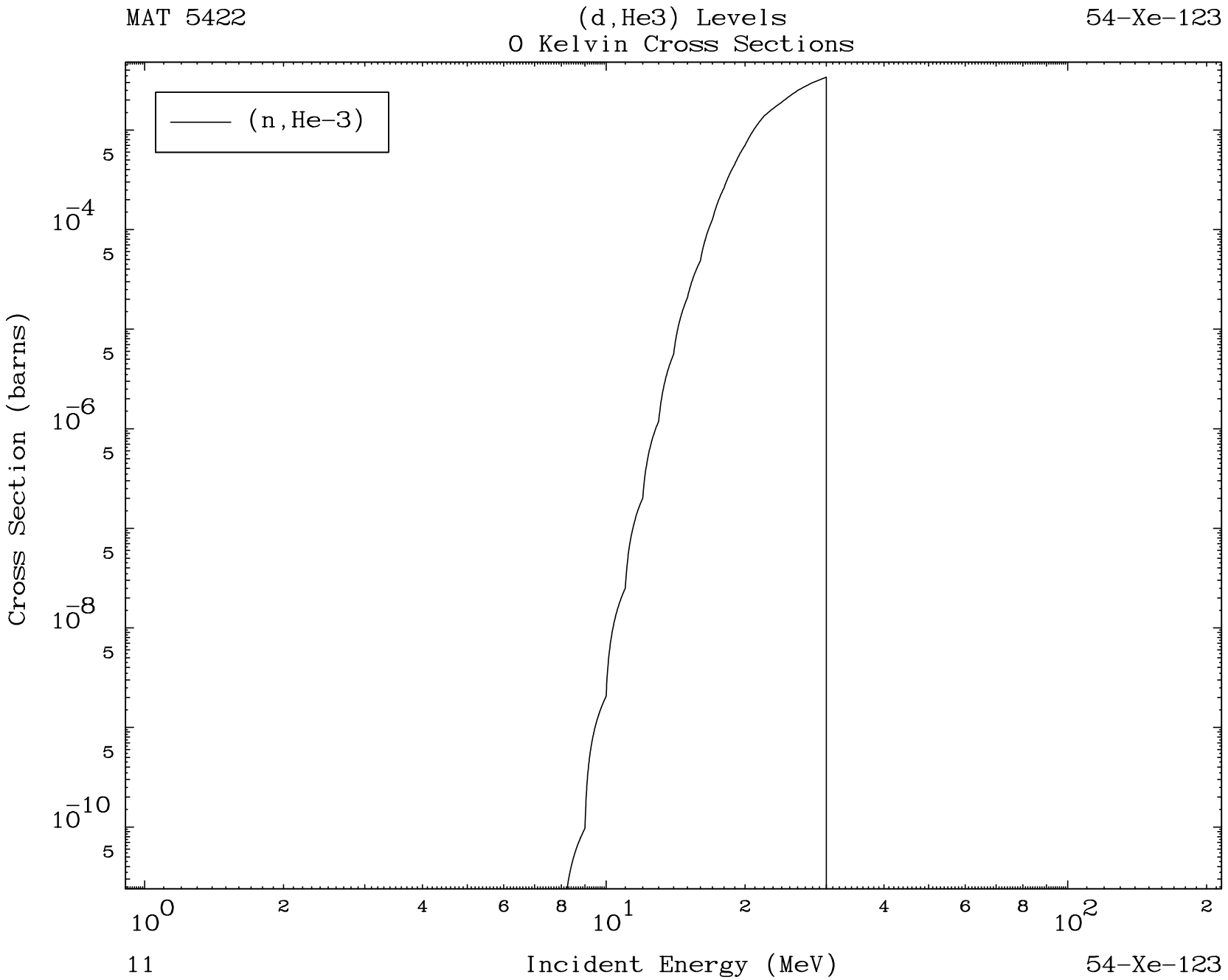

MAT 5422
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-123
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-123

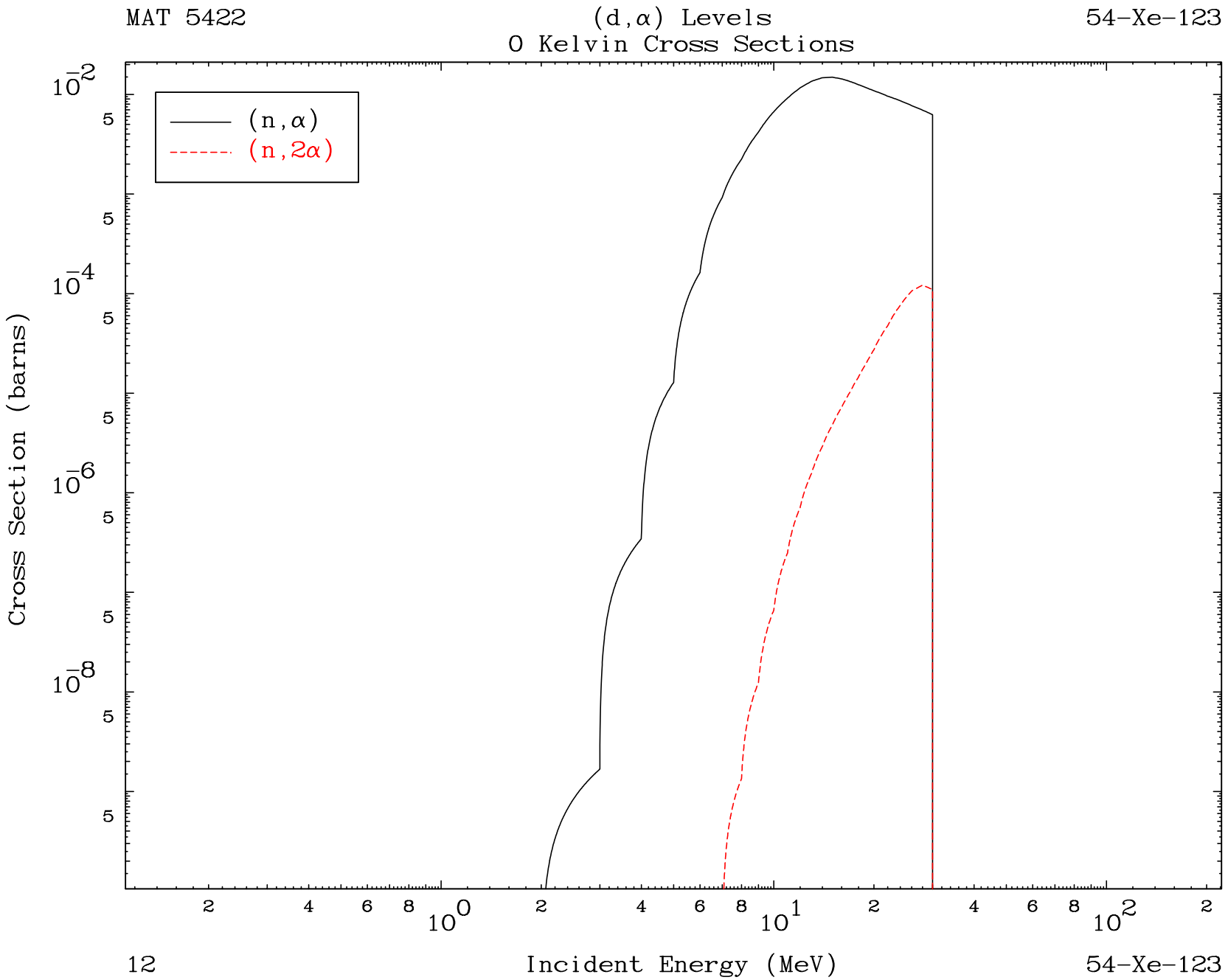

MAT 5422
Deuteron Charged Particle
0 Kelvin Cross Sections
54-Xe-123
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
54-Xe-123

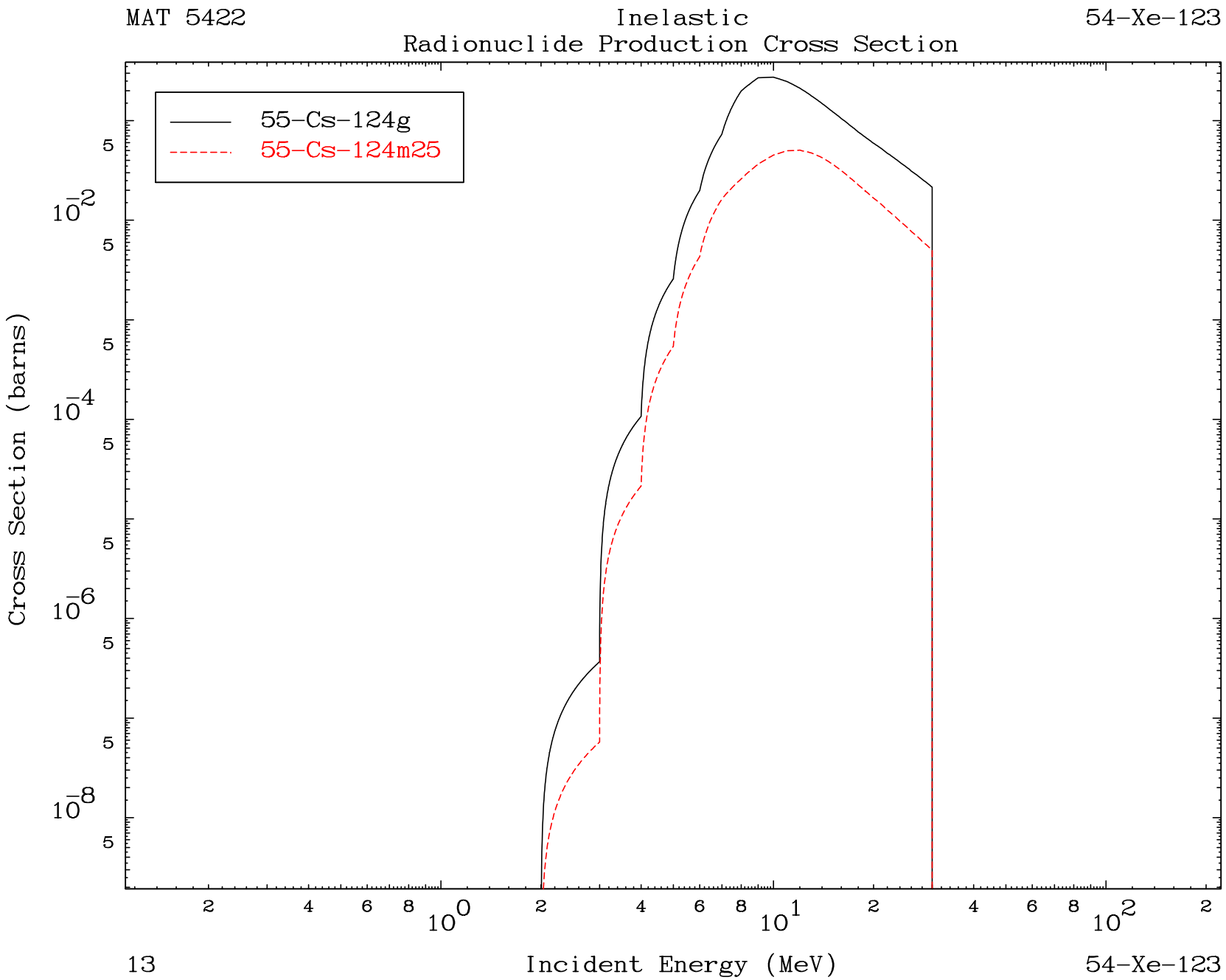

MAT 5422
(d,p) Levels
54-Xe-123
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
54-Xe-123

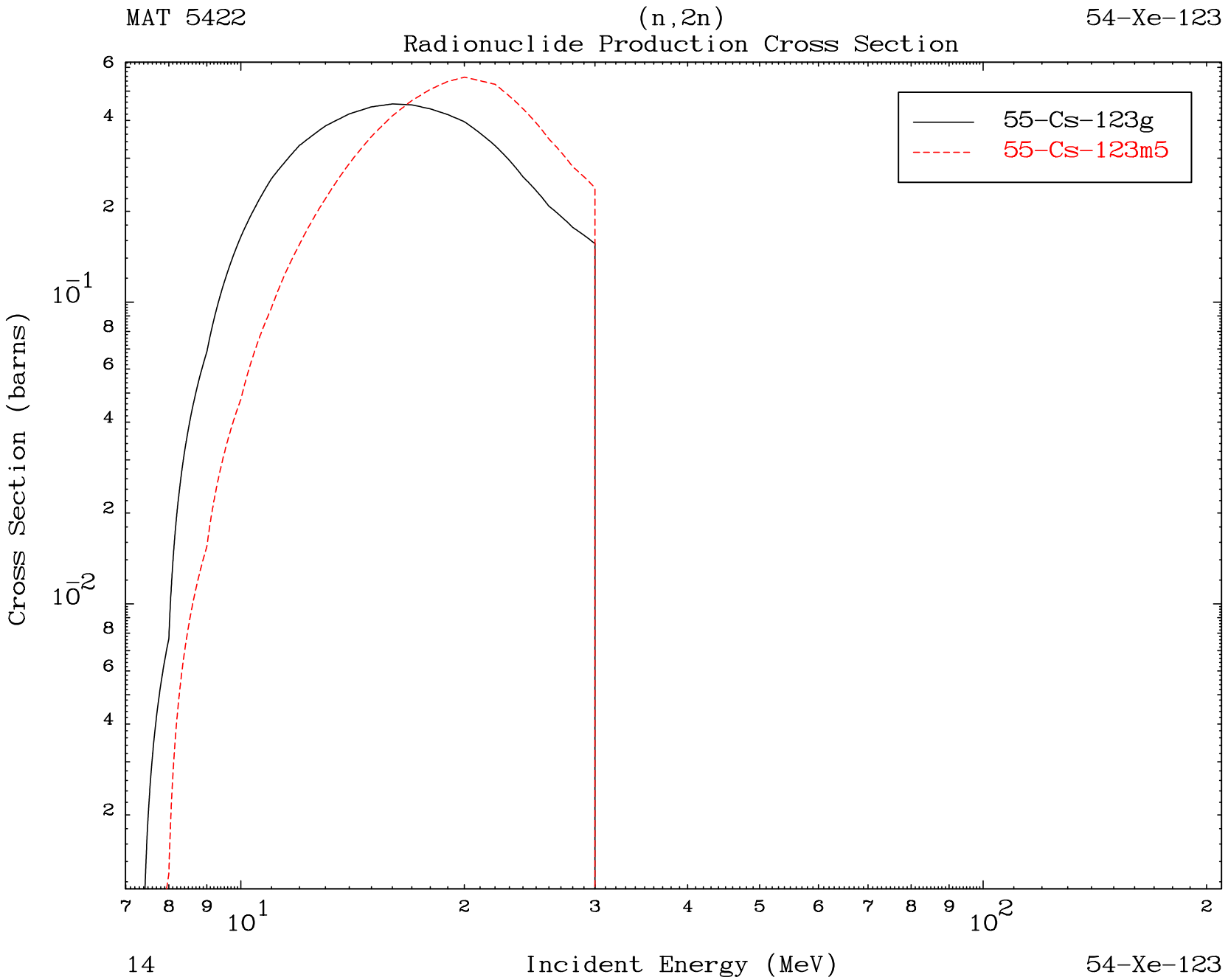

MAT 5422
(d,d) Levels
54-Xe-123
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
54-Xe-123

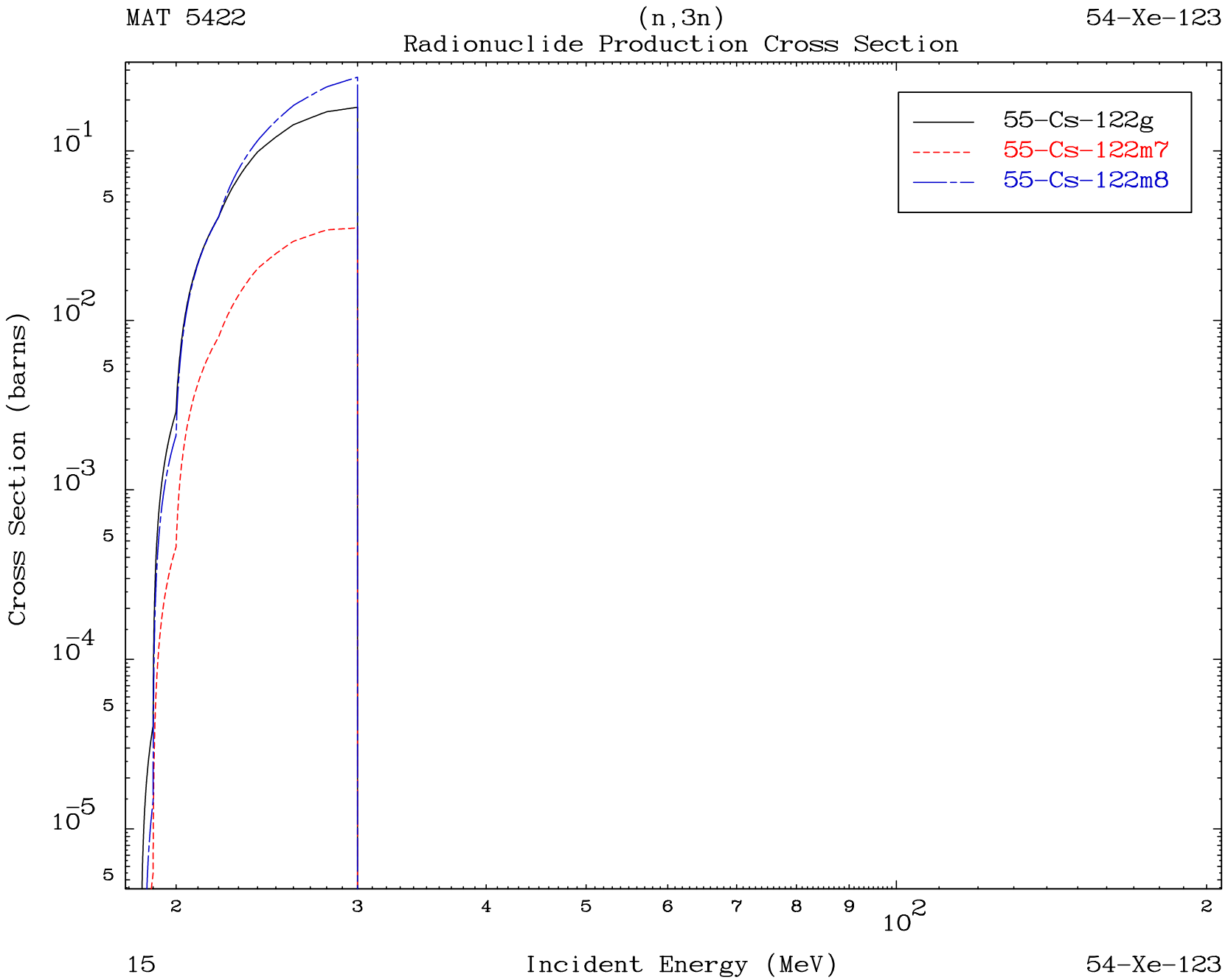

MAT 5422
(d,t) Levels
54-Xe-123
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-123

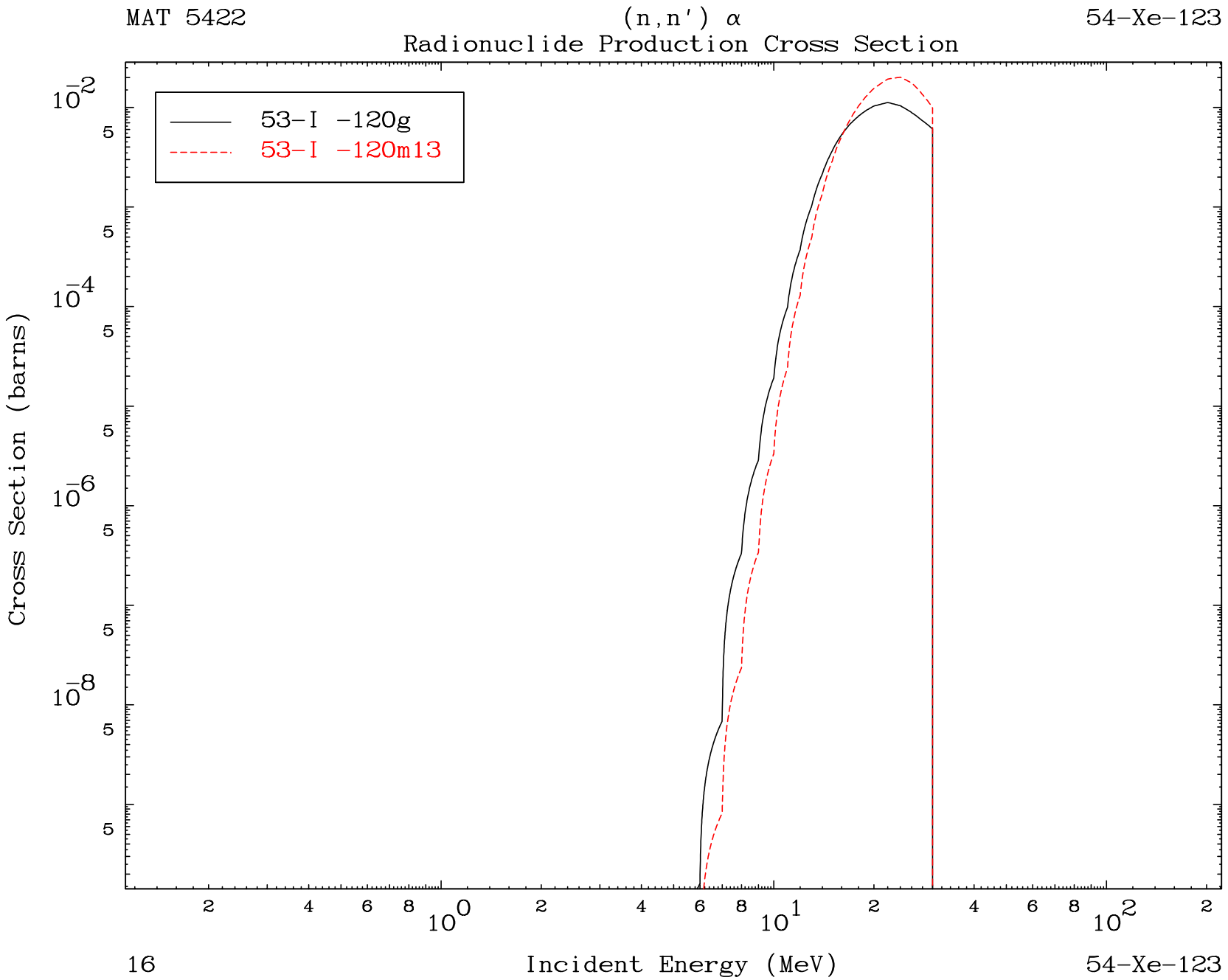

MAT 5422
(d,He3) Levels
54-Xe-123
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
54-Xe-123

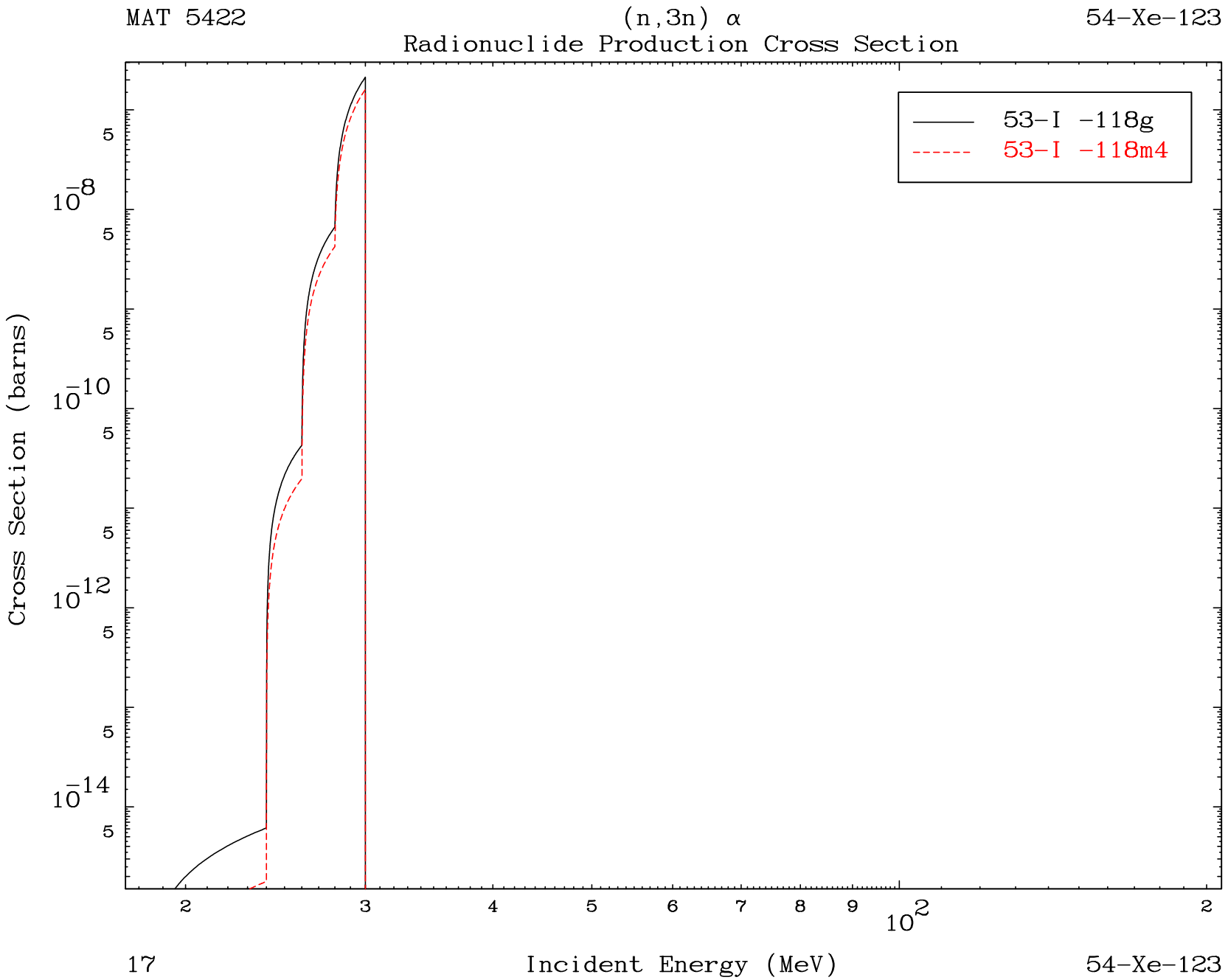

MAT 5422
(d,α) Levels
54-Xe-123
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
54-Xe-123

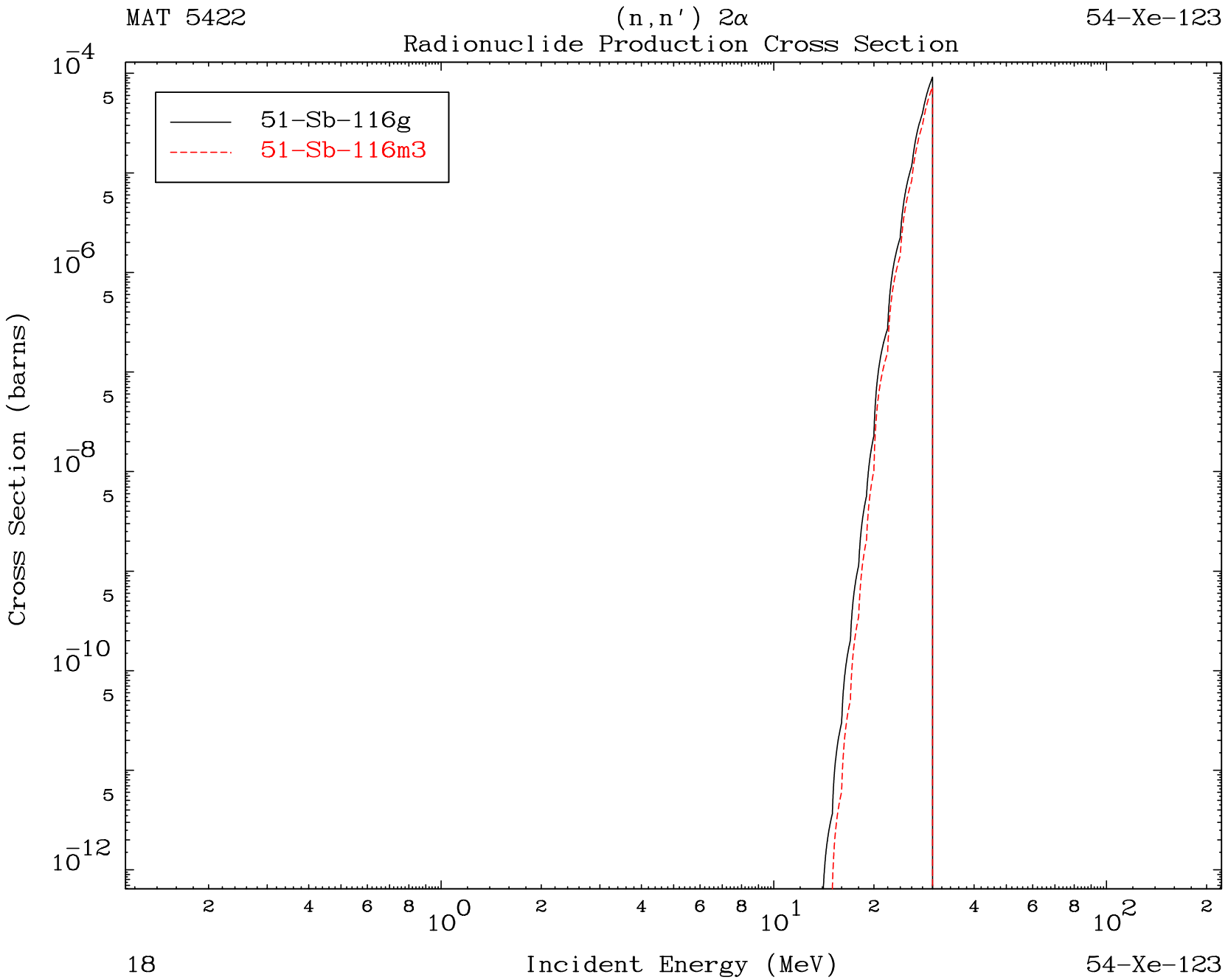

MAT 5422
Inelastic
54-Xe-123
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m25
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
54-Xe-123

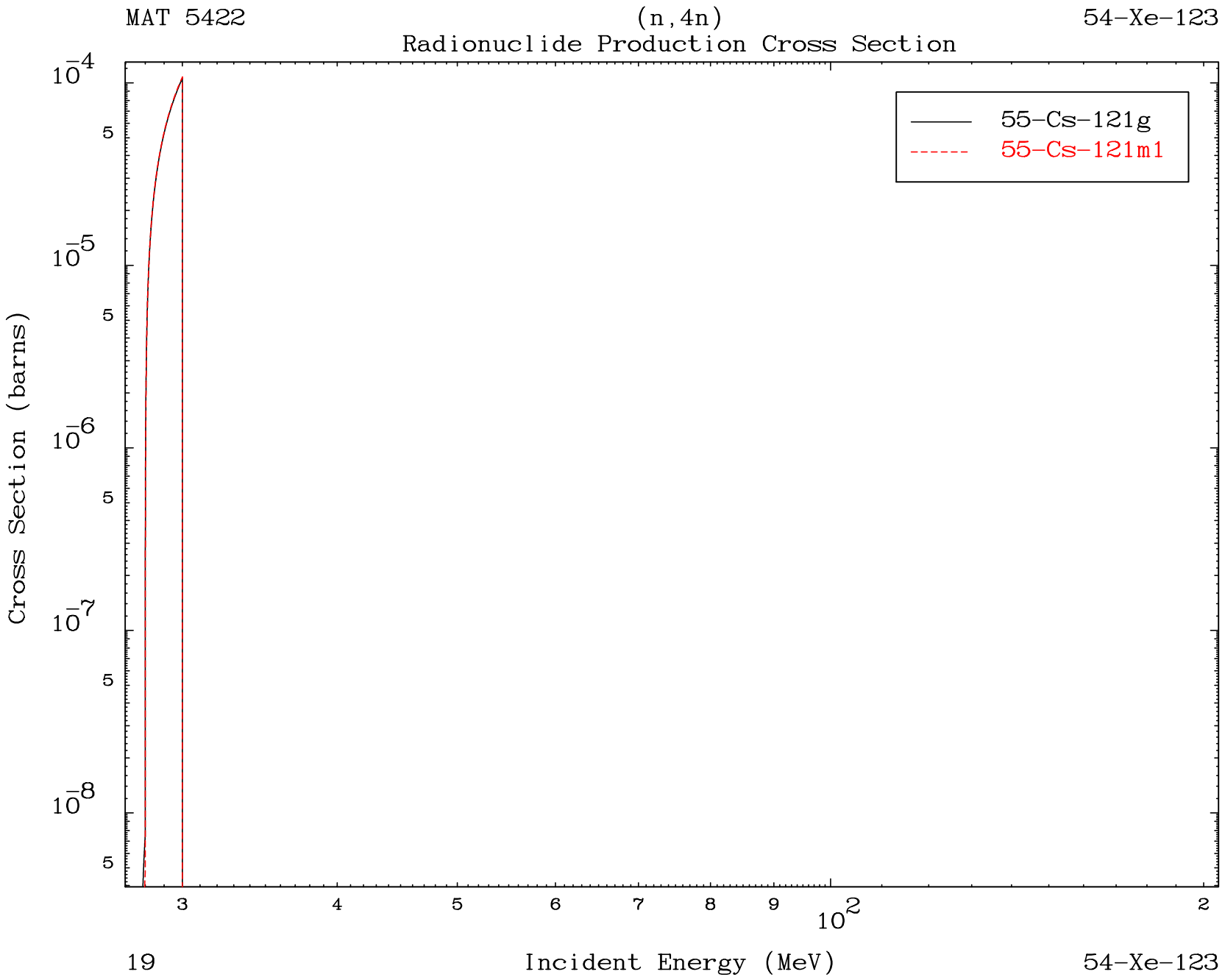

MAT 5422
(n,2n)
54-Xe-123
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
Incident Energy (MeV)
14
54-Xe-123

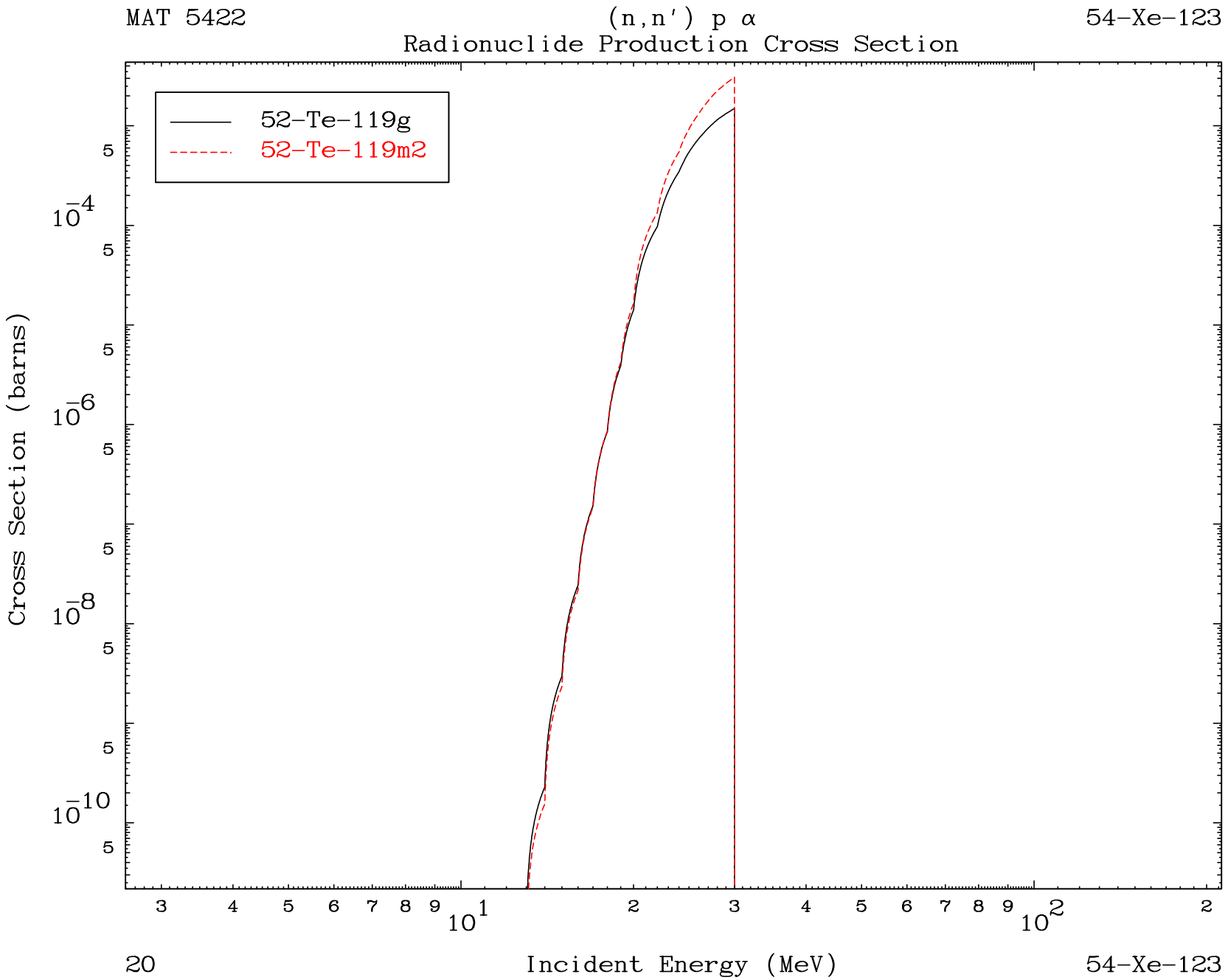

MAT 5422
(n,3n)
54-Xe-123
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
Cross Section (barns)
Incident Energy (MeV)
15
54-Xe-123

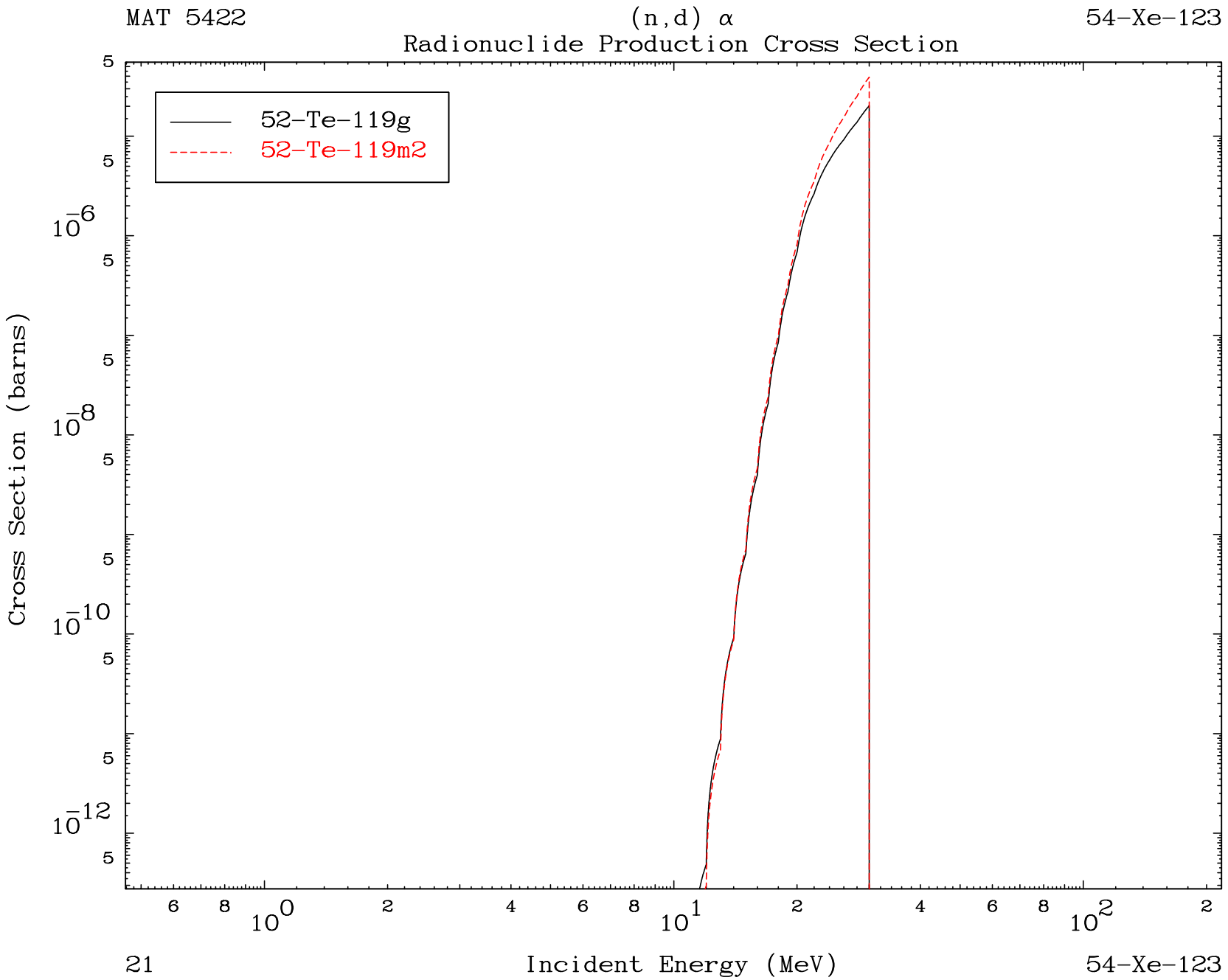

MAT 5422
(n,n') α
54-Xe-123
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
Incident Energy (MeV)
16
54-Xe-123


MAT 5422
(n,3n) α
54-Xe-123
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
54-Xe-123


MAT 5422
(n,n') 2α
54-Xe-123
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
18
54-Xe-123


MAT 5422
(n,4n)
54-Xe-123
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
5
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
54-Xe-123


MAT 5422
(n,n') p α
54-Xe-123
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
20
Incident Energy (MeV)
54-Xe-123


MAT 5422
(n,d) α
54-Xe-123
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
21
54-Xe-123