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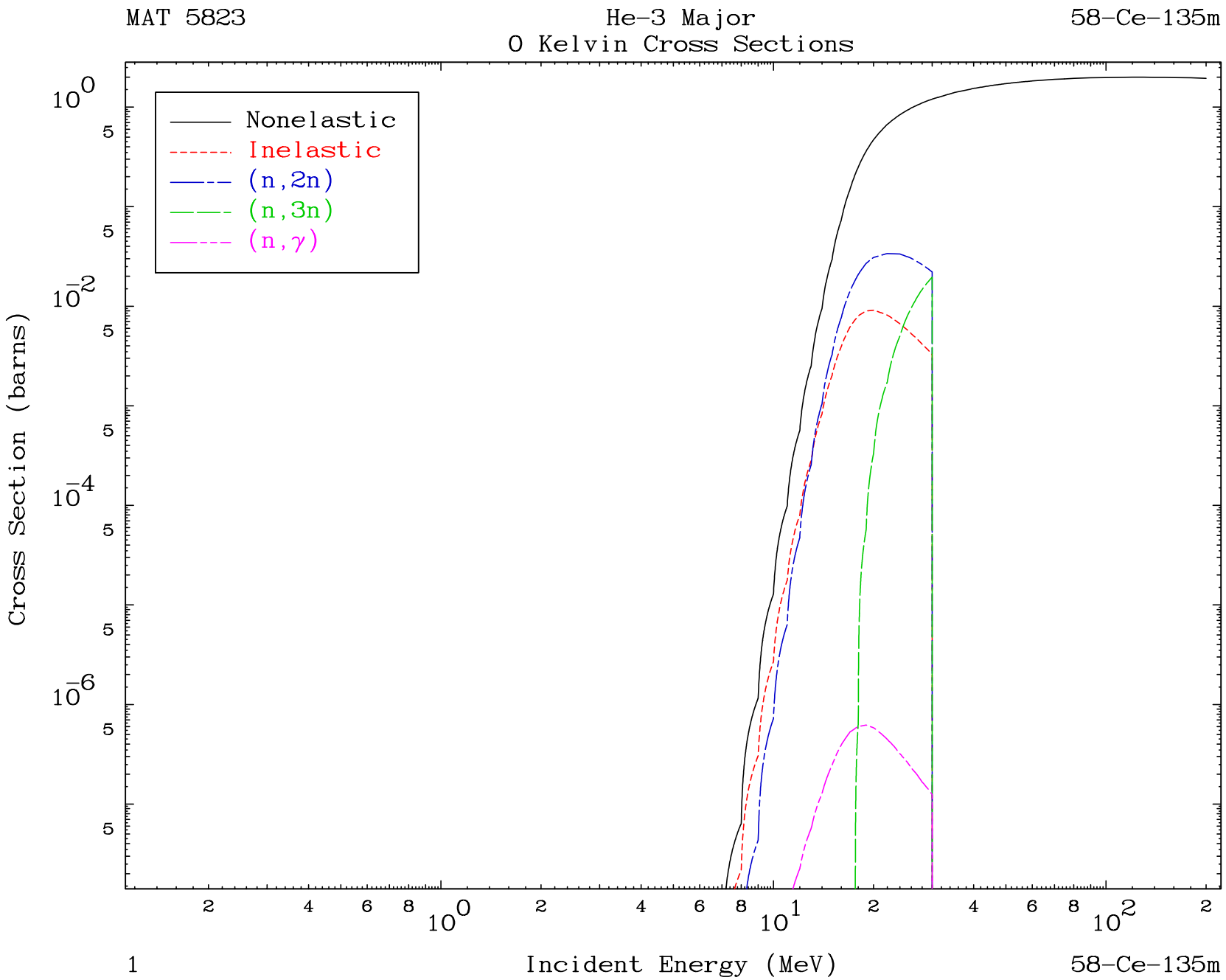
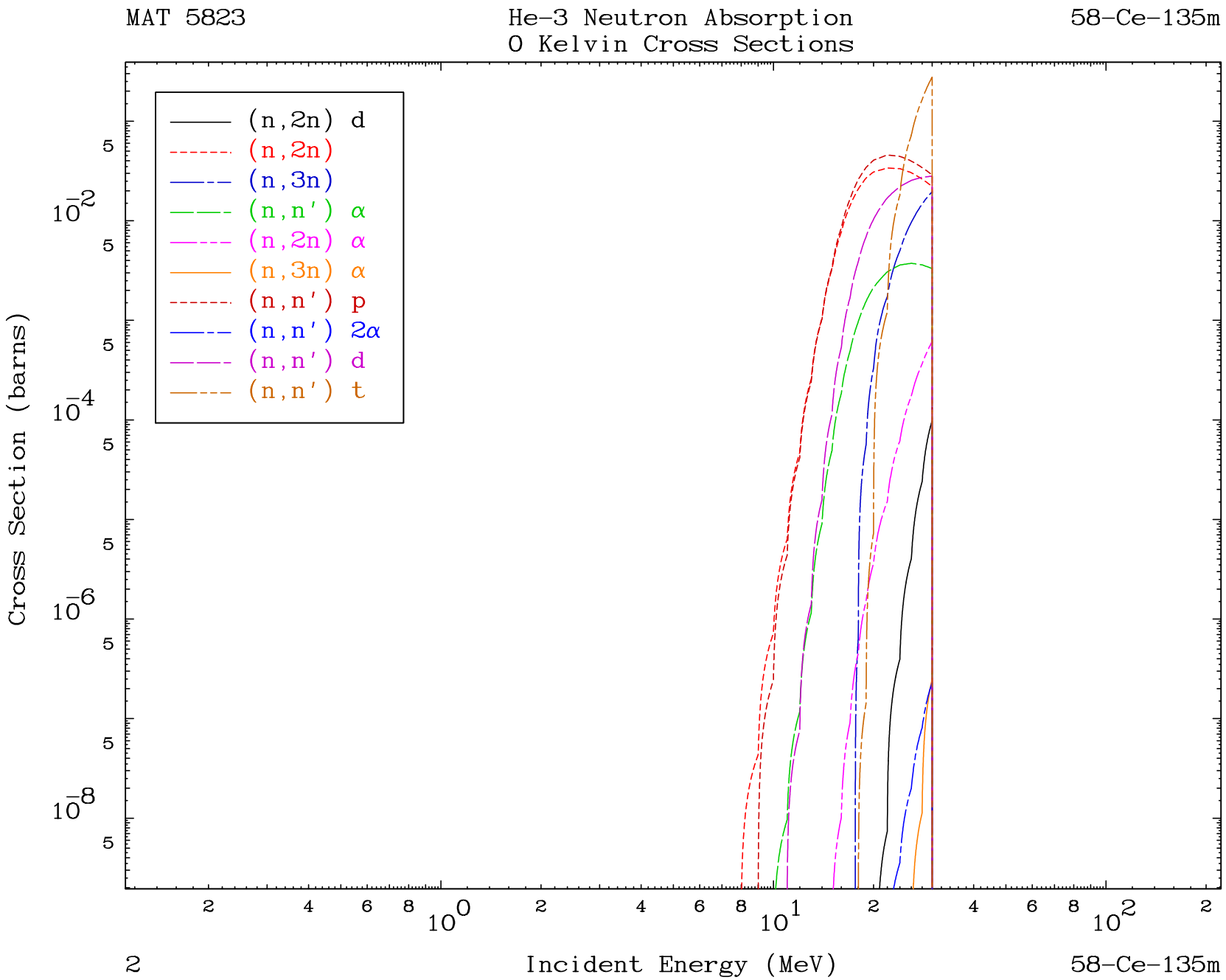
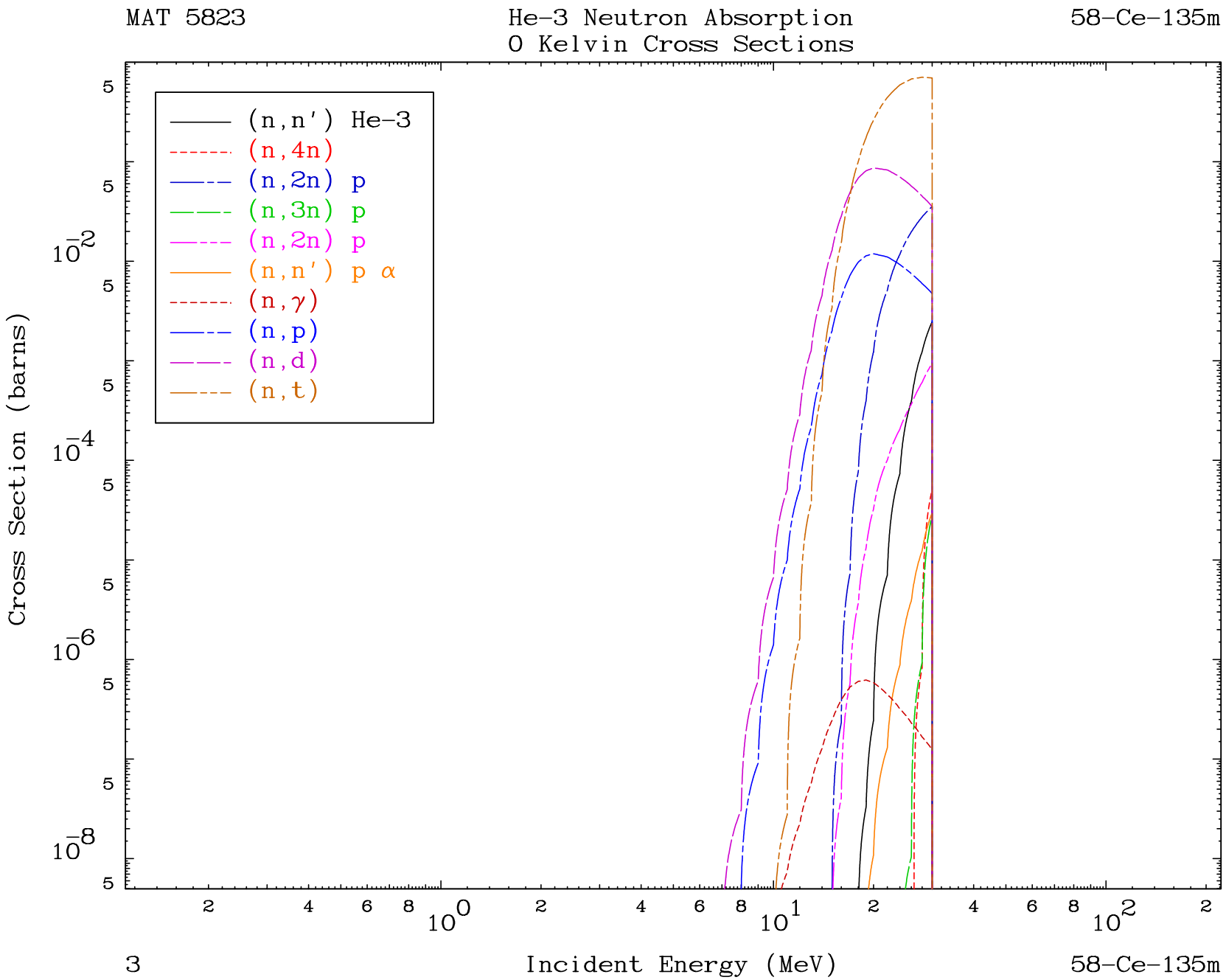
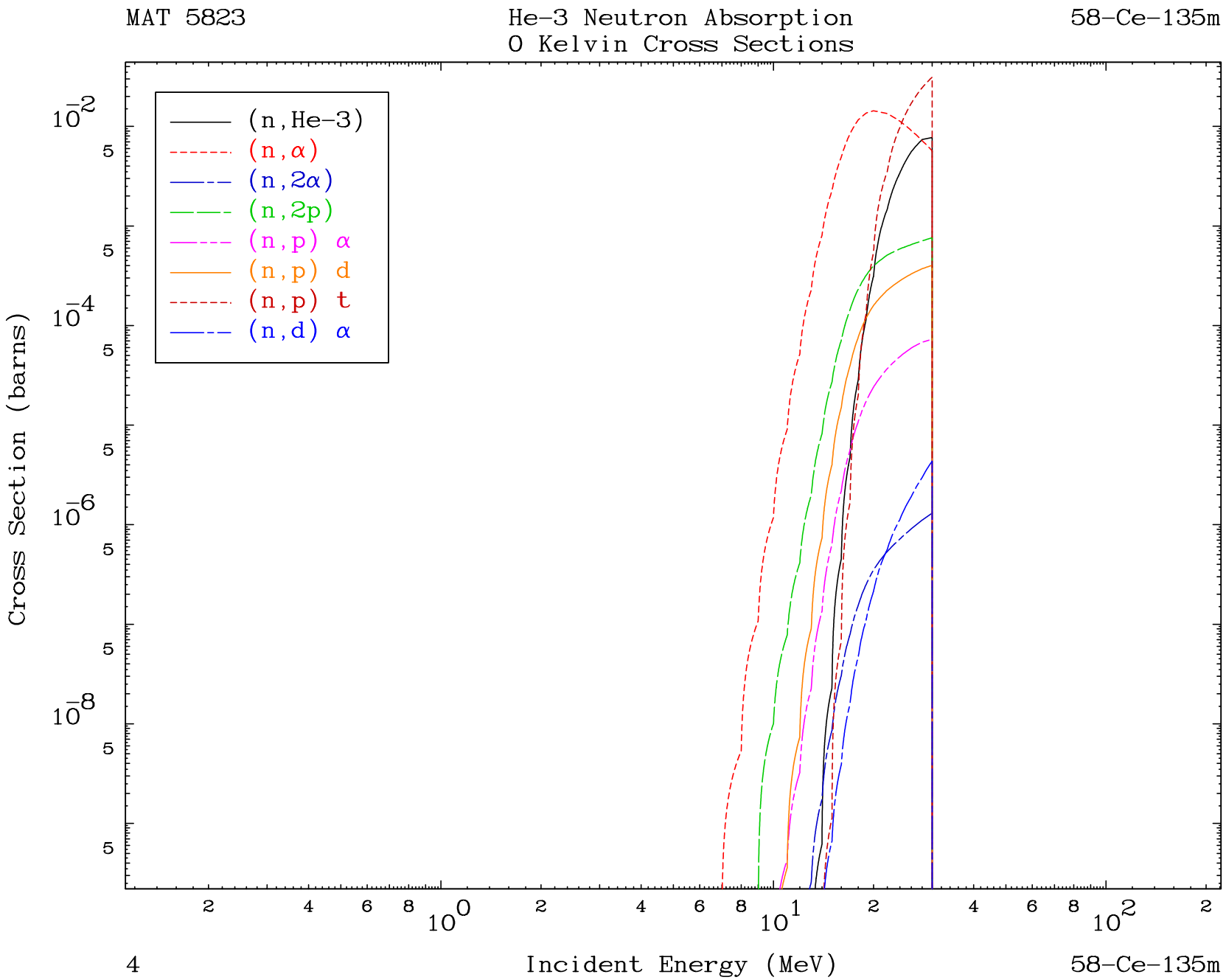
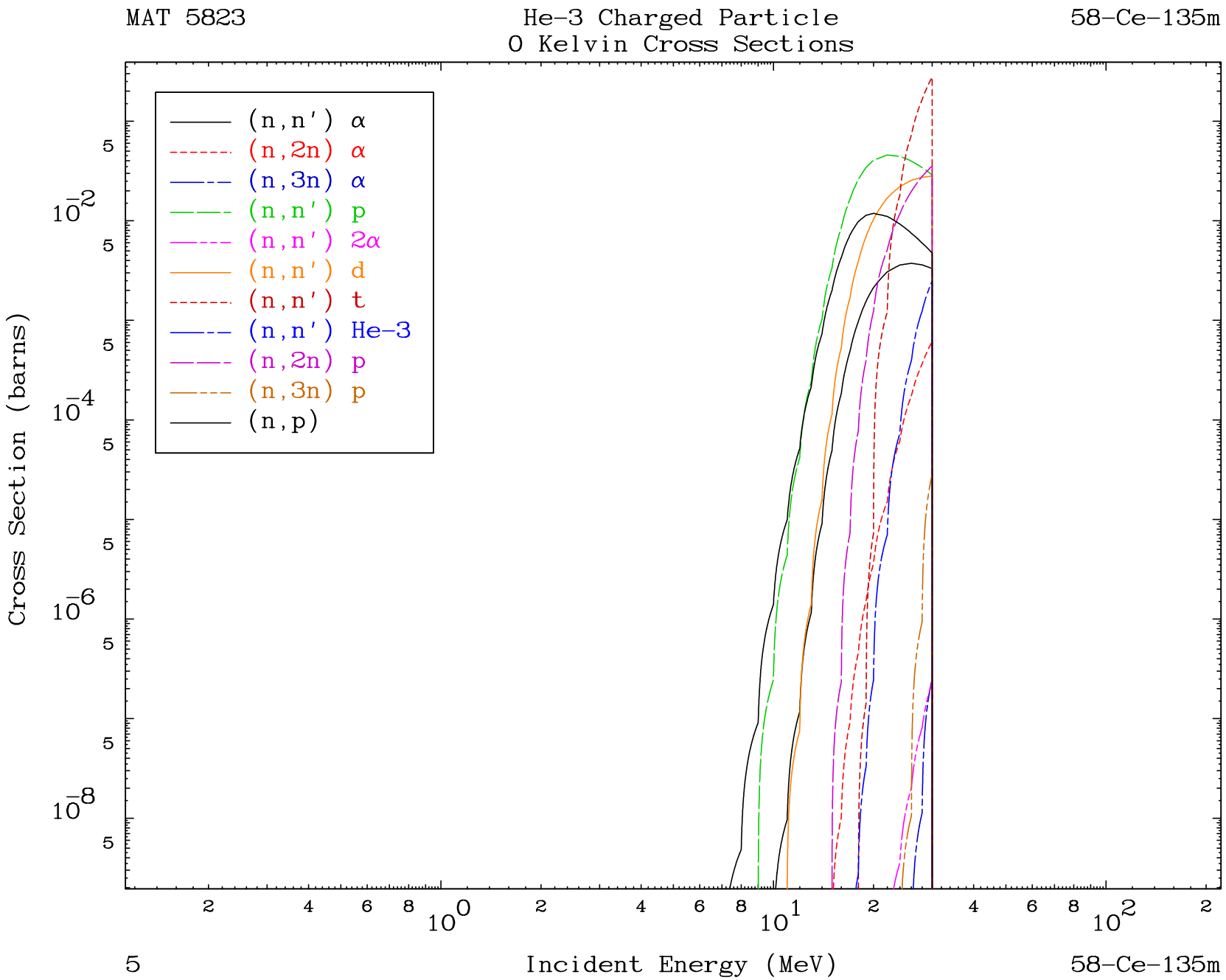
Press Mouse Button to Start

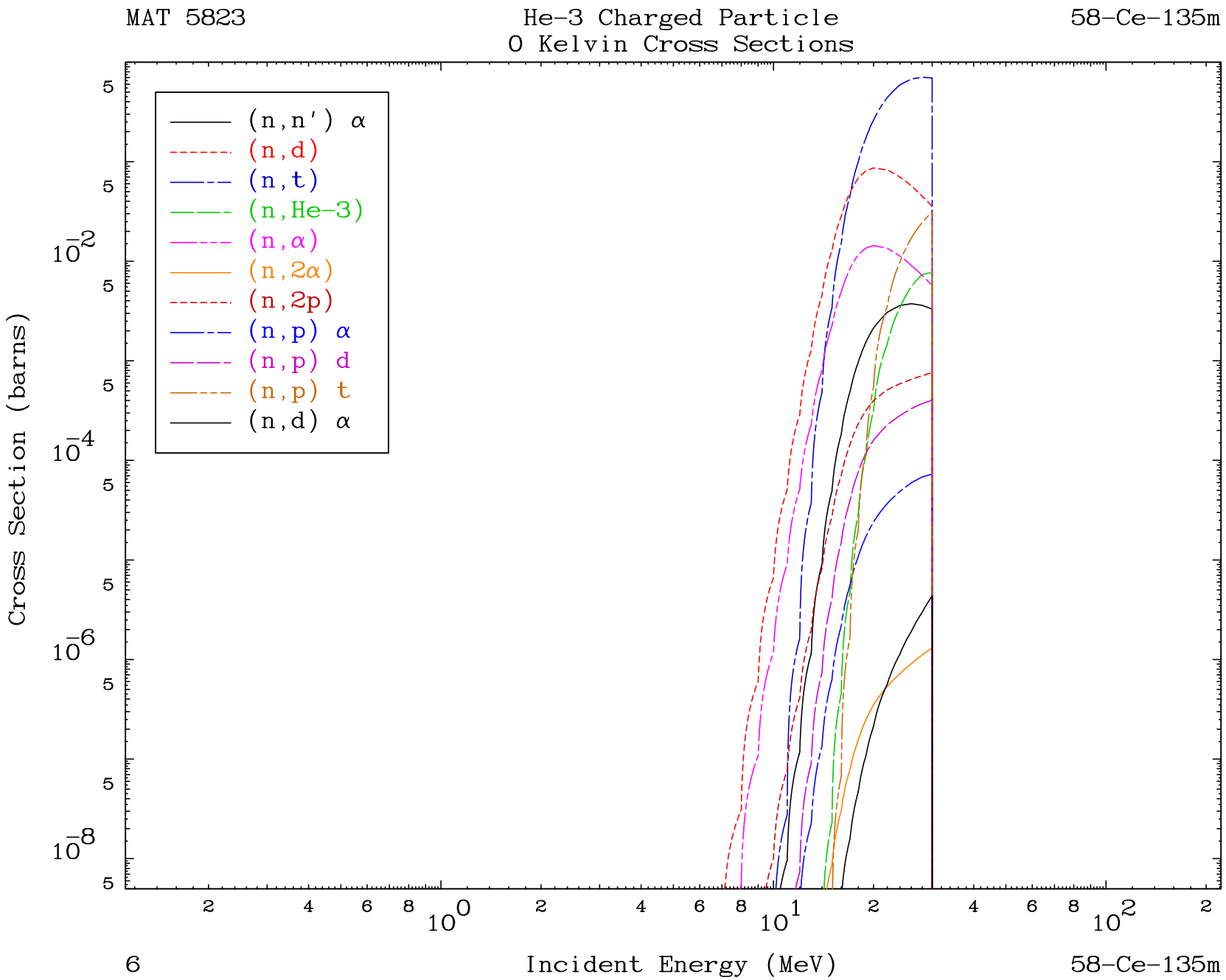

MAT 5823
He-3 Major
58-Ce-135m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-135m

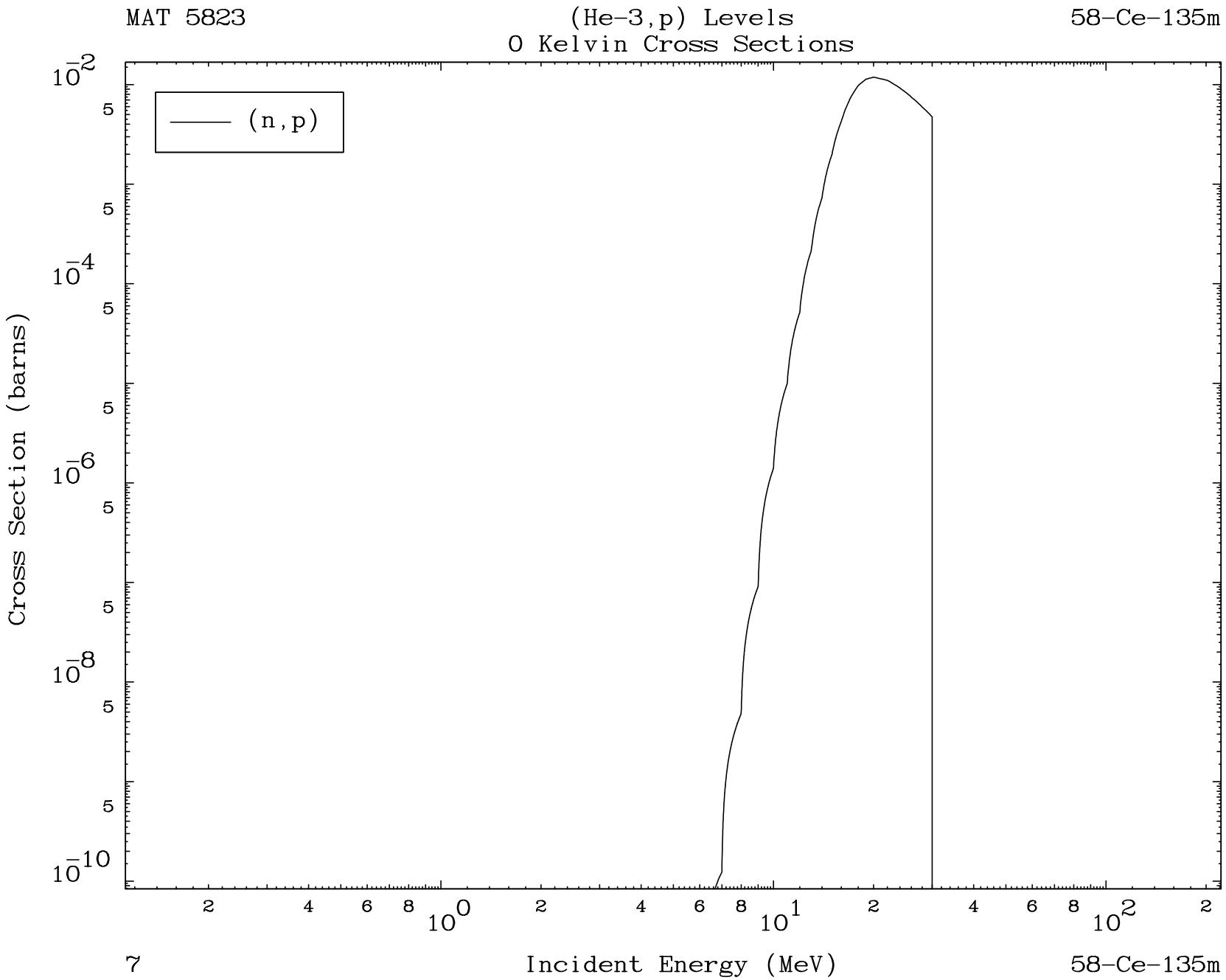

MAT 5823
He-3 Neutron Absorption
0 Kelvin Cross Sections
58-Ce-135m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
58-Ce-135m
2

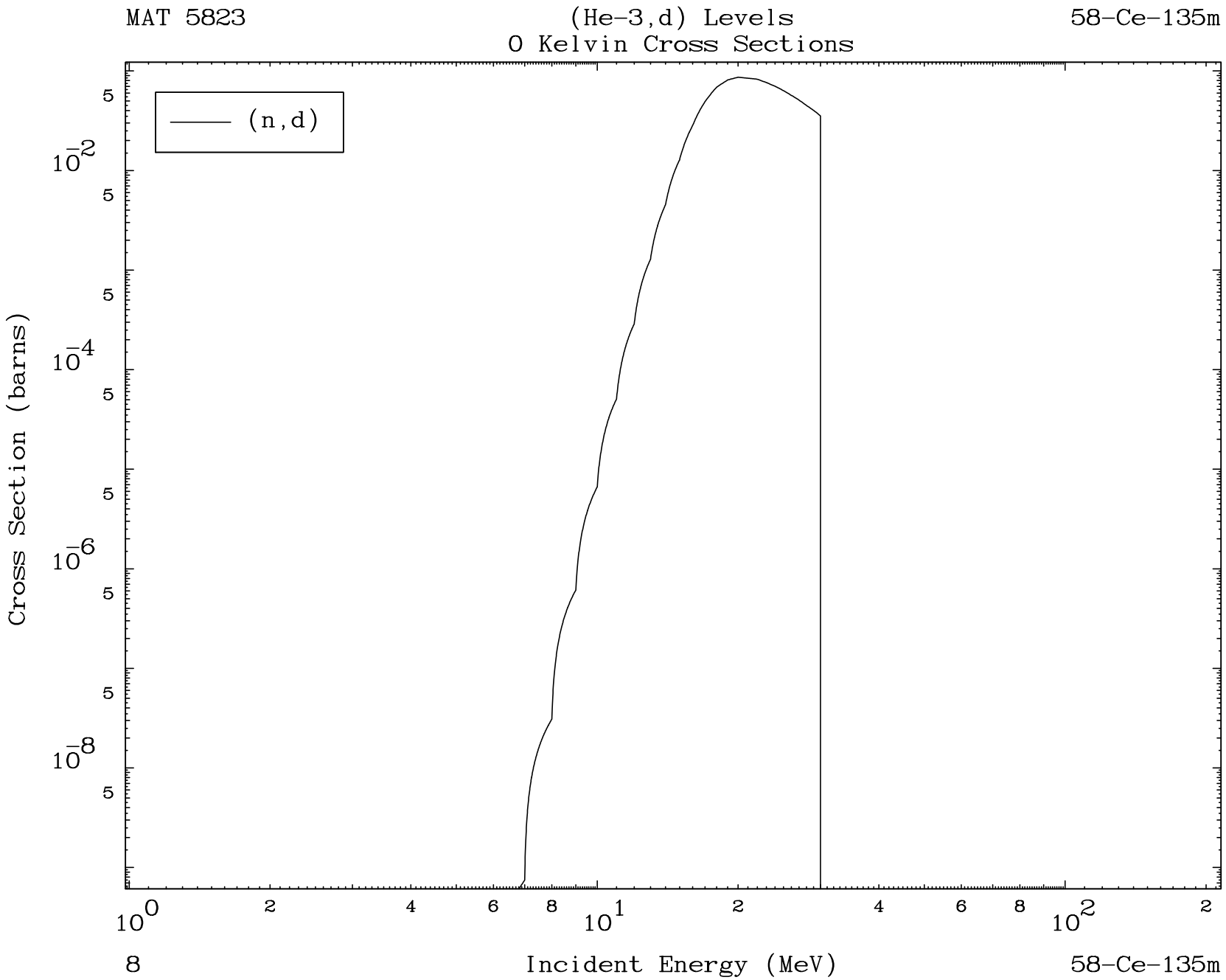

MAT 5823
He-3 Neutron Absorption
0 Kelvin Cross Sections
58-Ce-135m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-135m

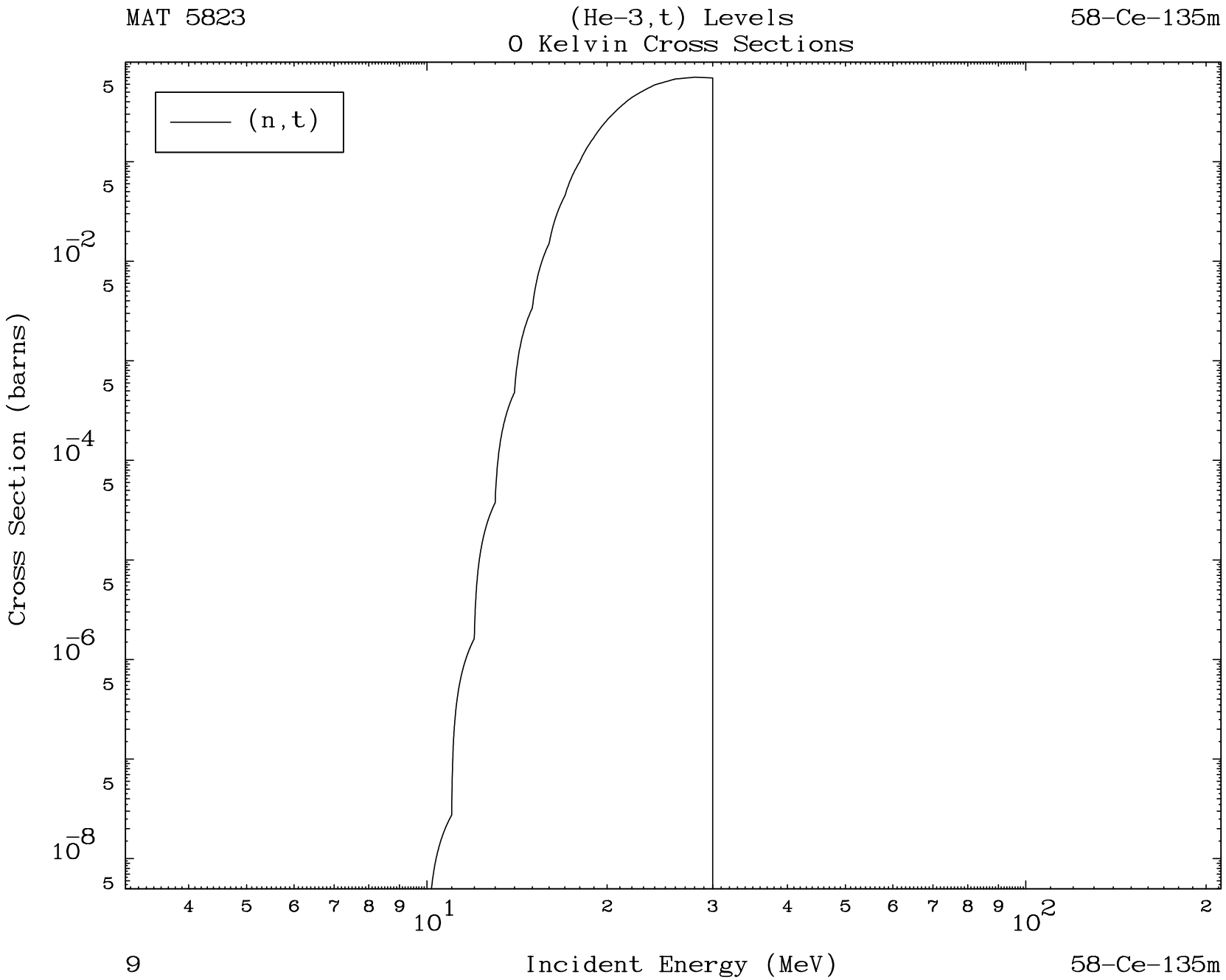

MAT 5823
He-3 Neutron Absorption
0 Kelvin Cross Sections
58-Ce-135m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-135m

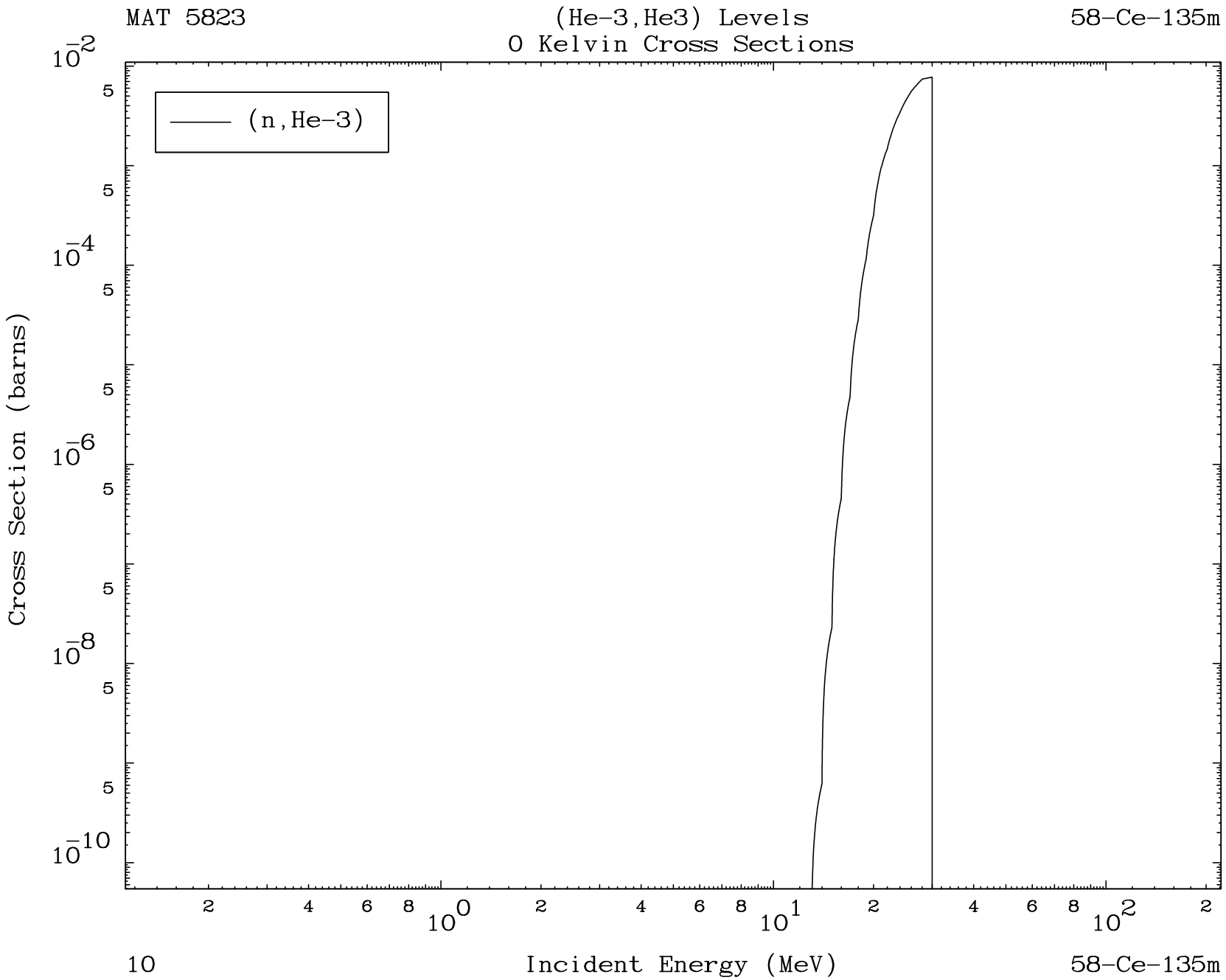

MAT 5823
He-3 Charged Particle
0 Kelvin Cross Sections
58-Ce-135m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-135m

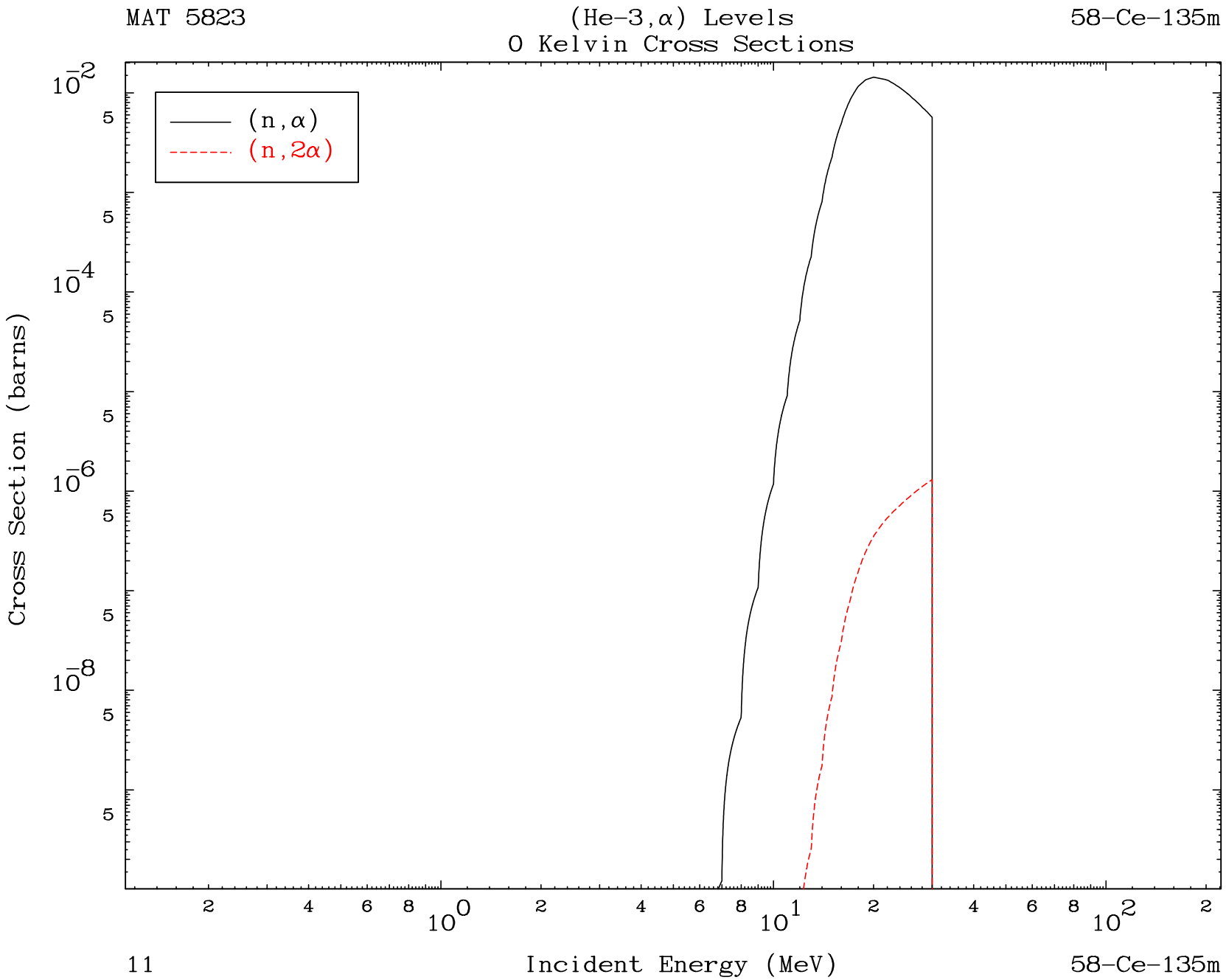

MAT 5823
He-3 Charged Particle
0 Kelvin Cross Sections
58-Ce-135m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
58-Ce-135m

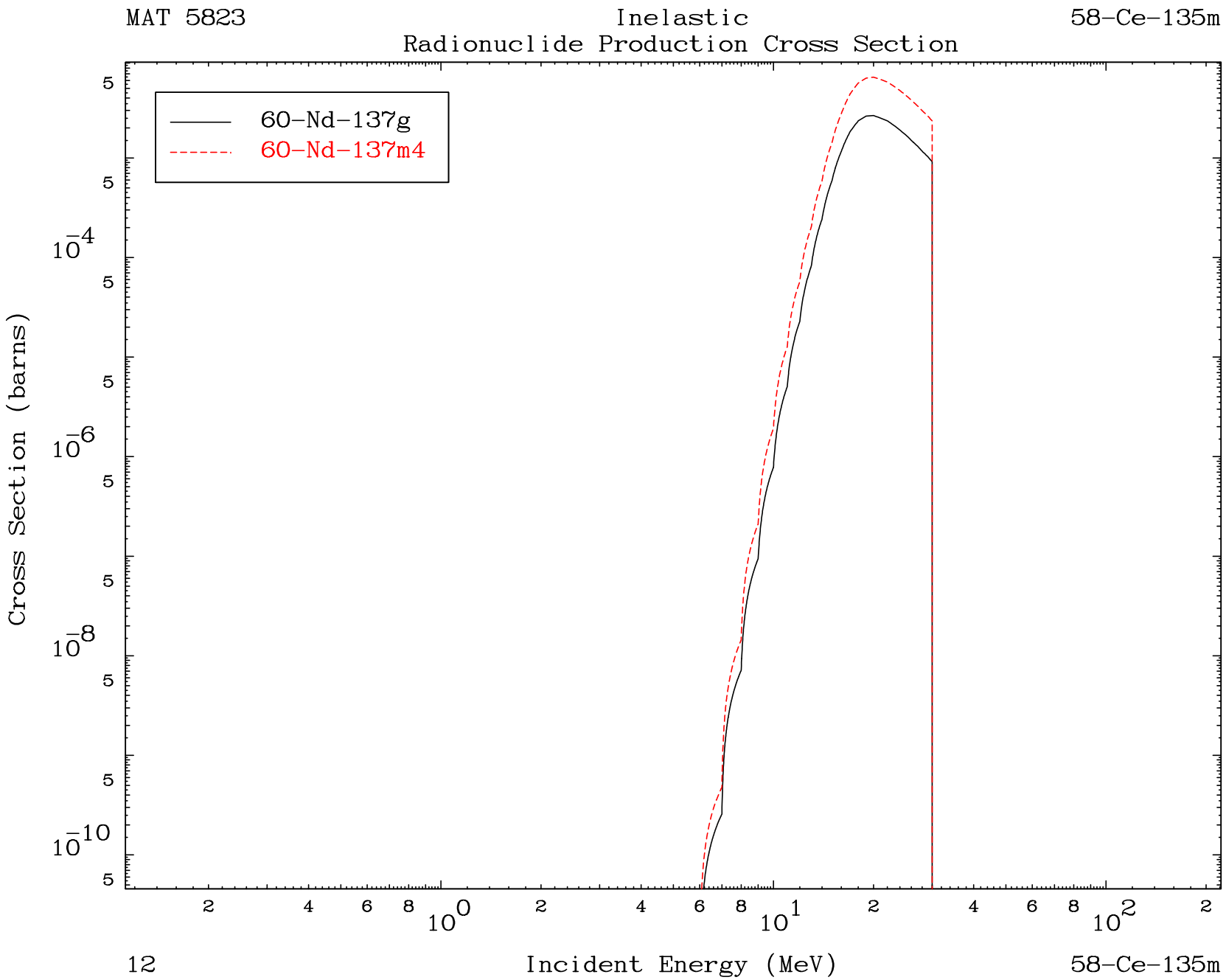

MAT 5823
(He-3,p) Levels
0 Kelvin Cross Sections
58-Ce-135m
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
58-Ce-135m

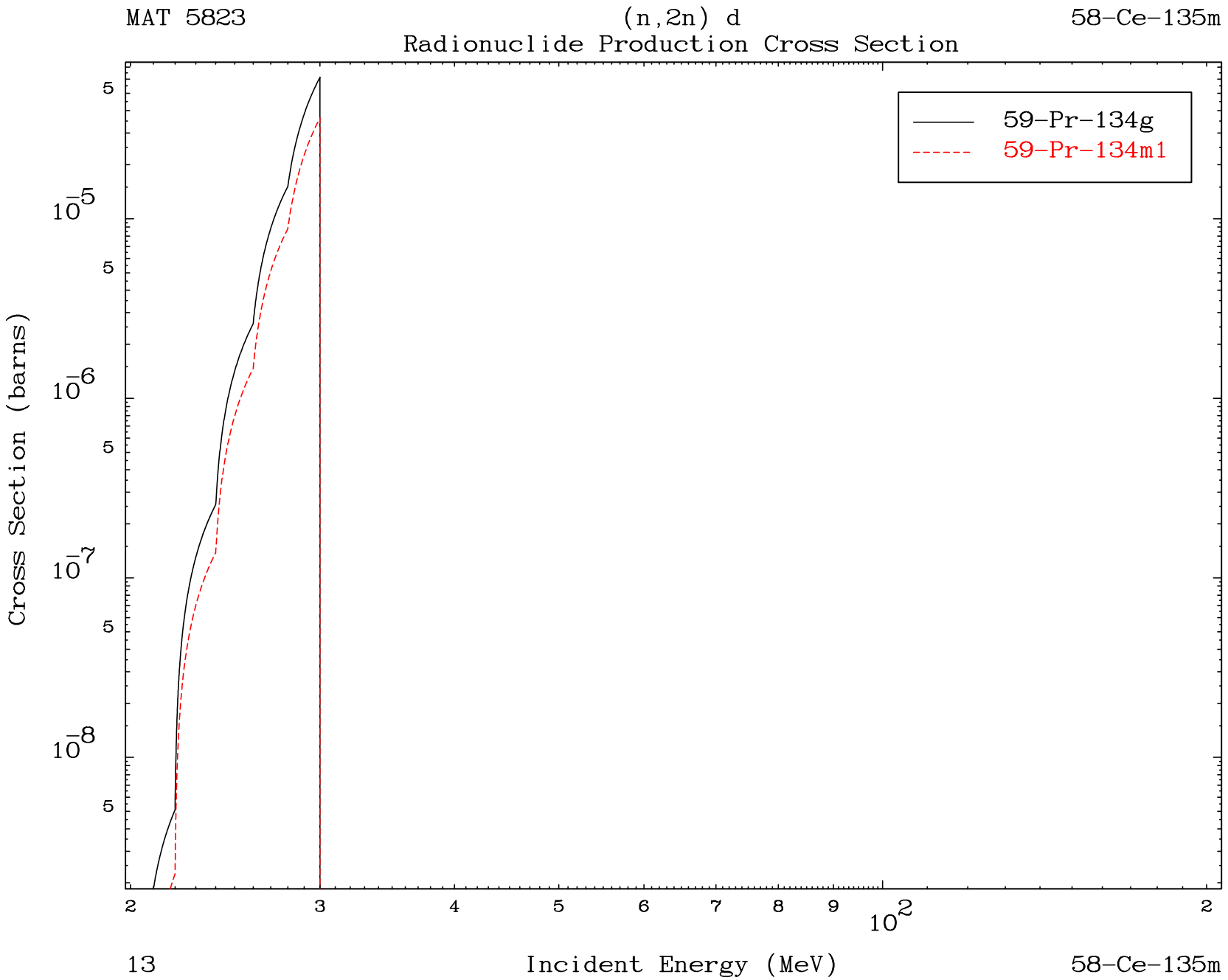

MAT 5823
(He-3,d) Levels
0 Kelvin Cross Sections
58-Ce-135m
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
58-Ce-135m
8

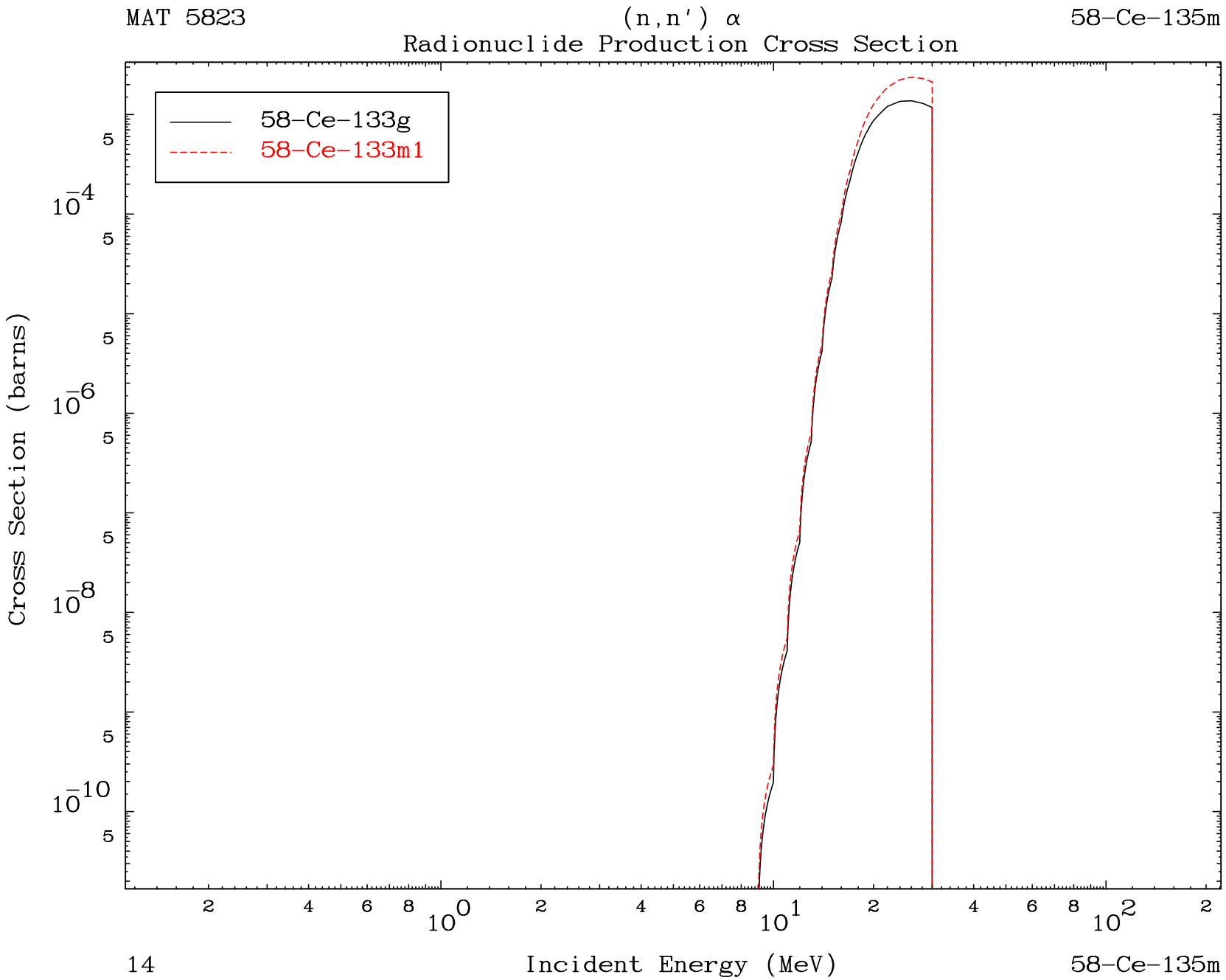

MAT 5823
(He-3,t) Levels
0 Kelvin Cross Sections
58-Ce-135m
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
58-Ce-135m

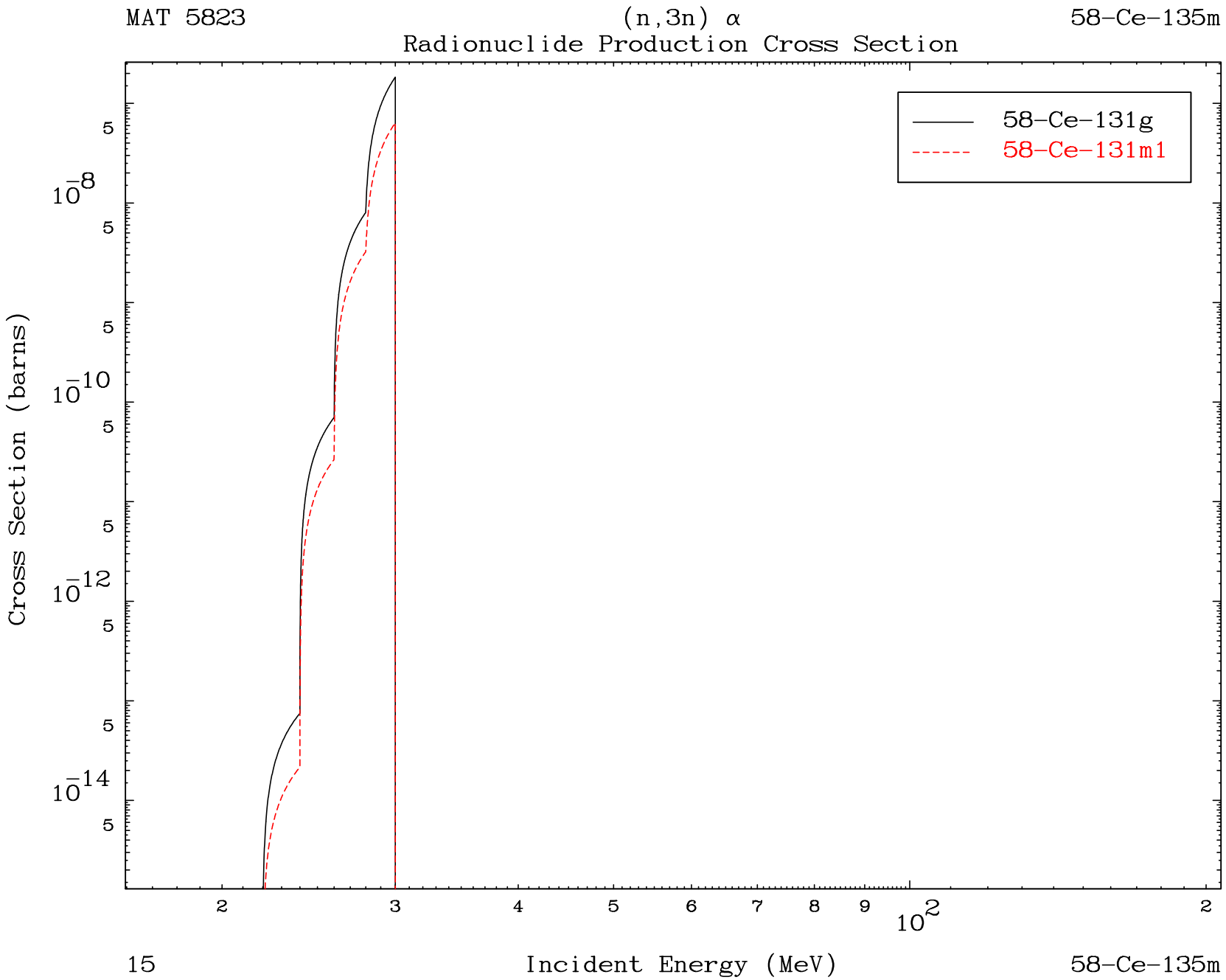

MAT 5823
(He-3,He3) Levels
0 Kelvin Cross Sections
58-Ce-135m
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-135m
10

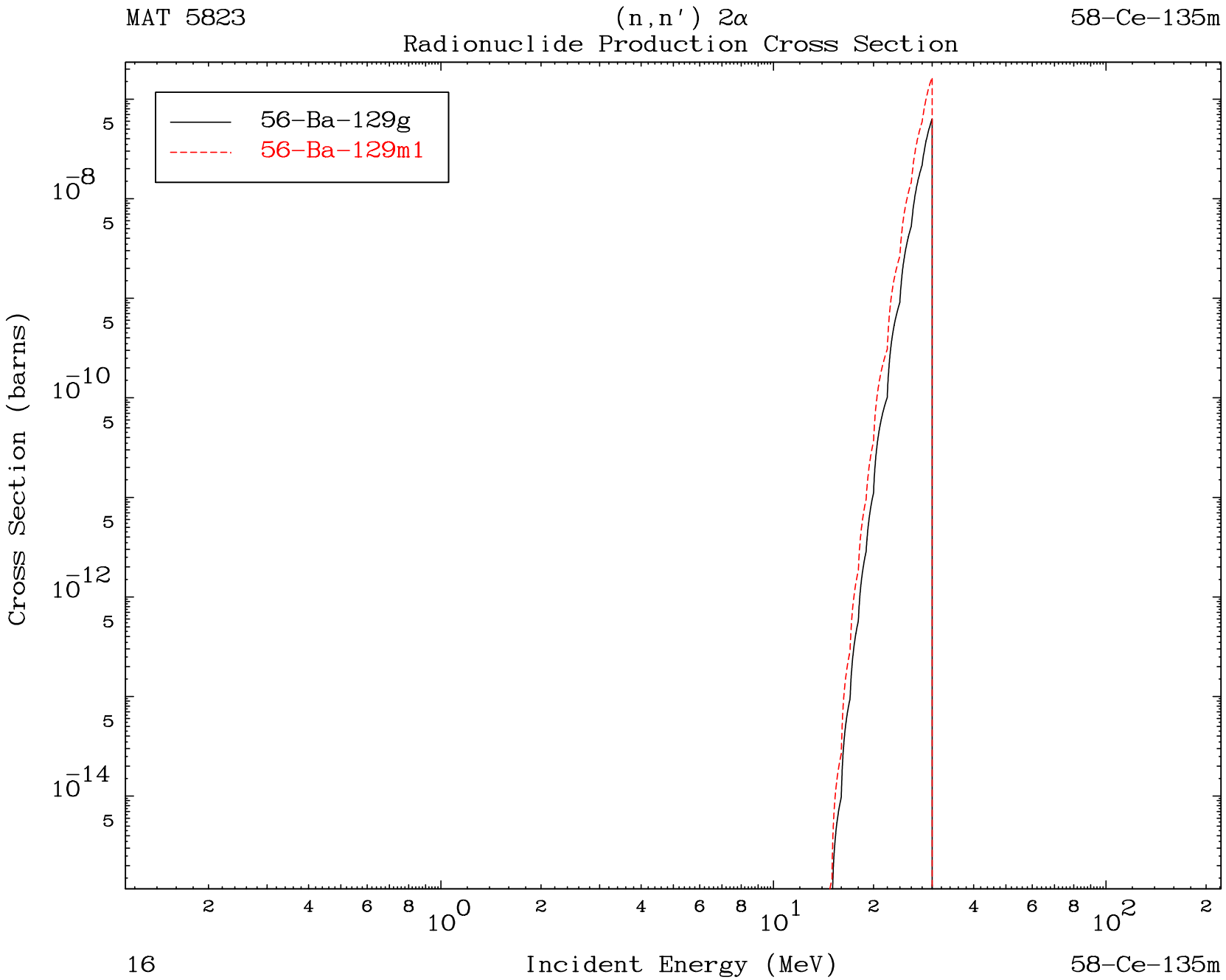

MAT 5823
(He-3,α) Levels
0 Kelvin Cross Sections
58-Ce-135m
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-135m

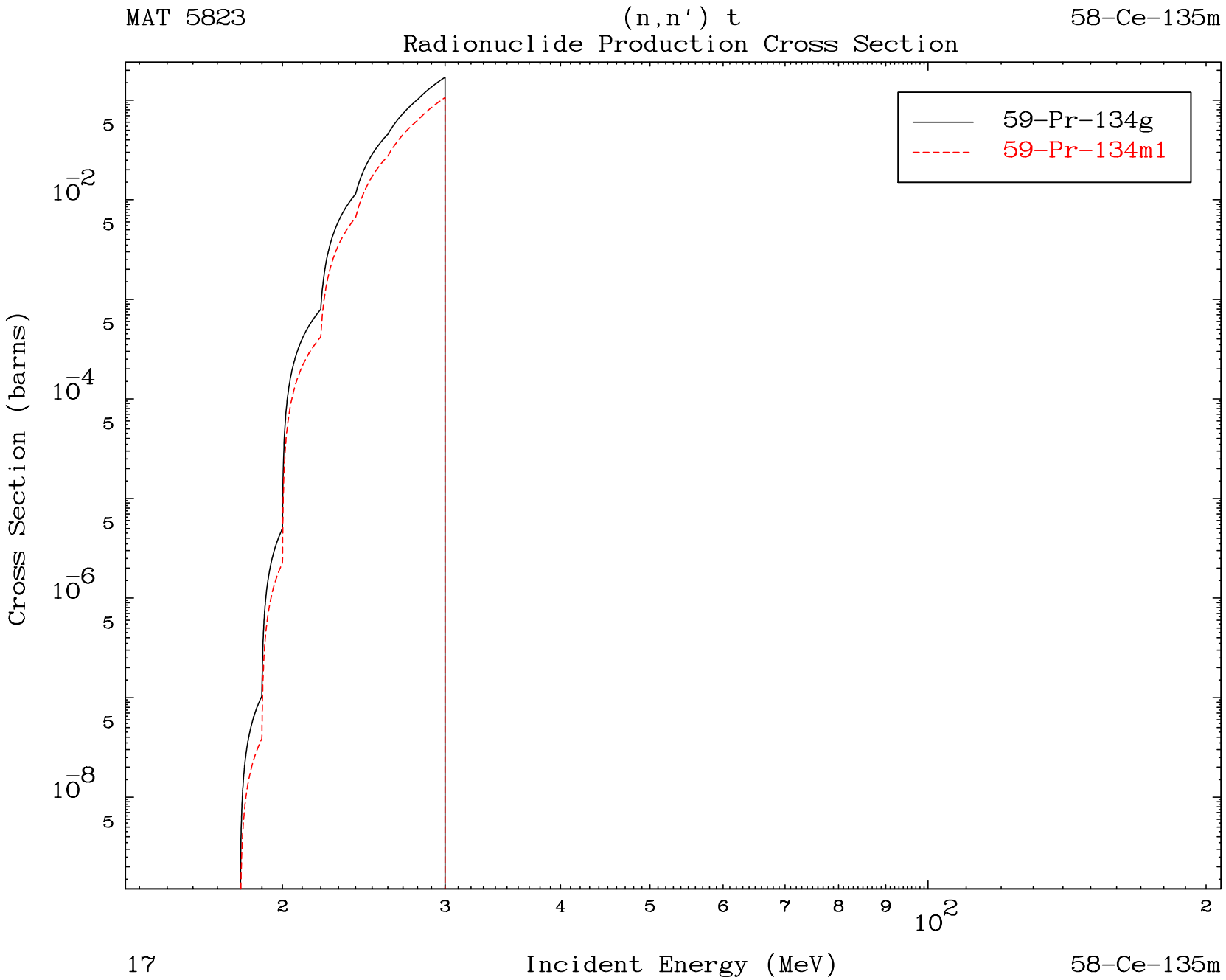

MAT 5823
Inelastic
58-Ce-135m
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
Incident Energy (MeV)
12
58-Ce-135m

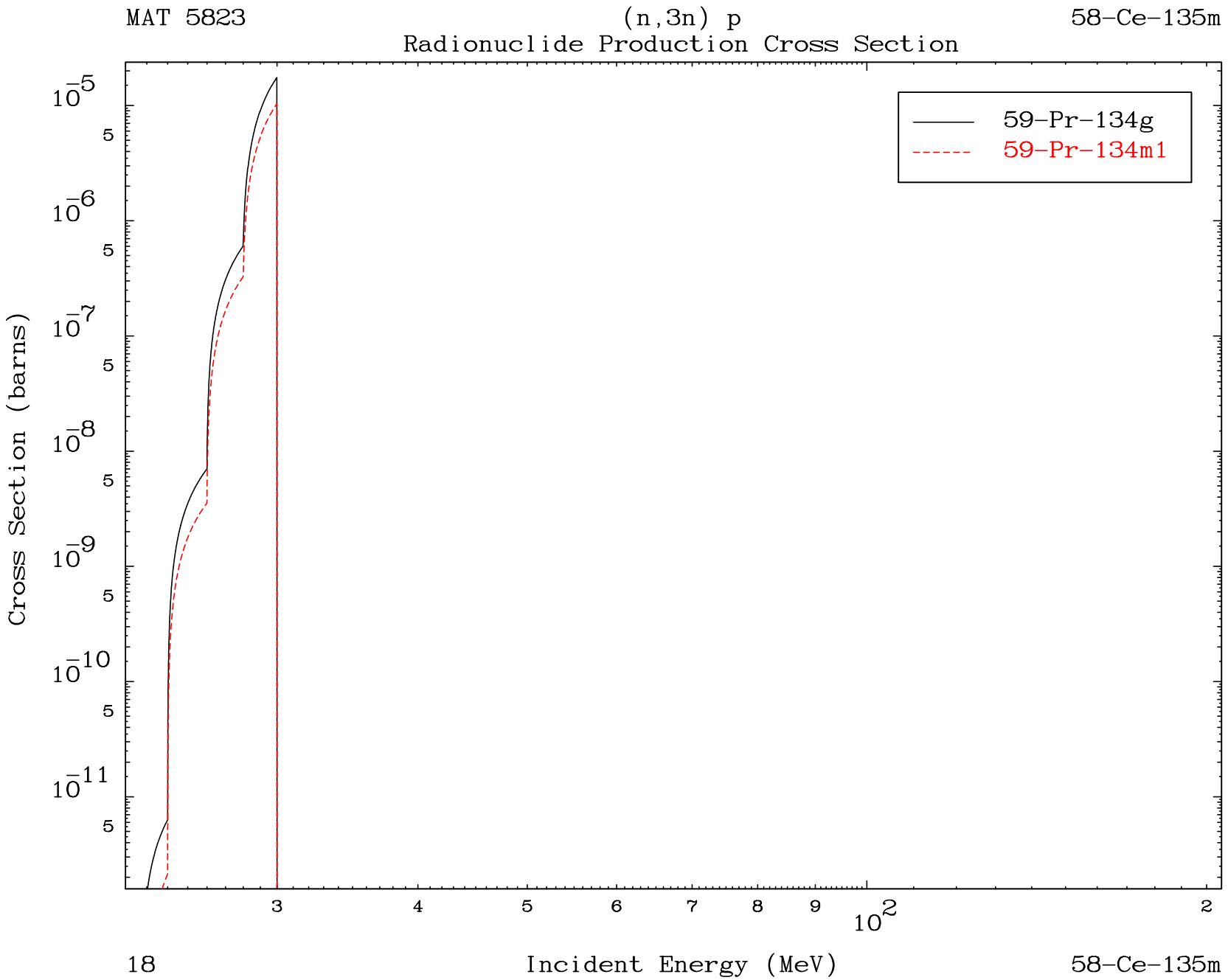

MAT 5823
(n,2n) d
58-Ce-135m
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
13
58-Ce-135m

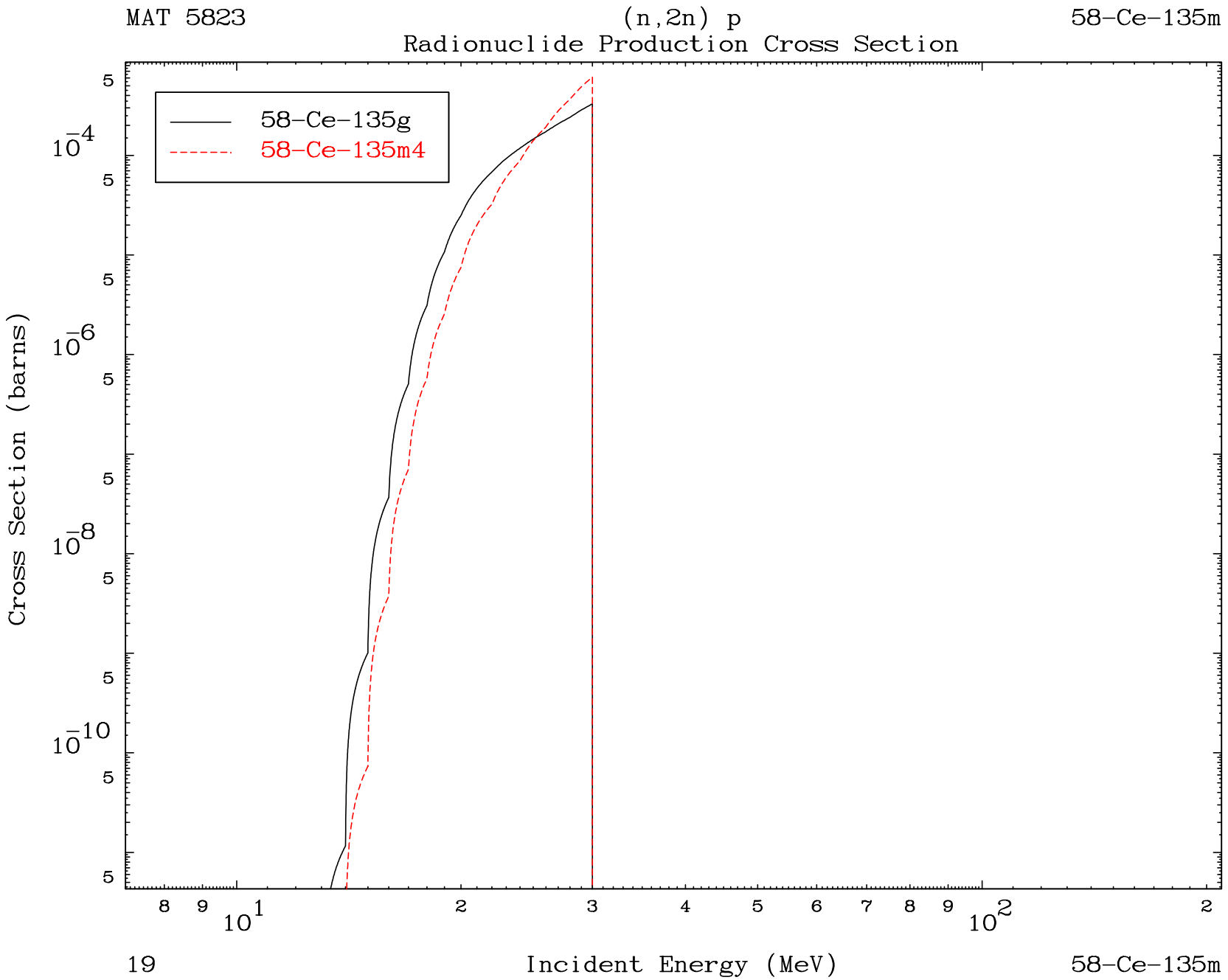

MAT 5823
(n,n') α
58-Ce-135m
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
Incident Energy (MeV)
14
58-Ce-135m

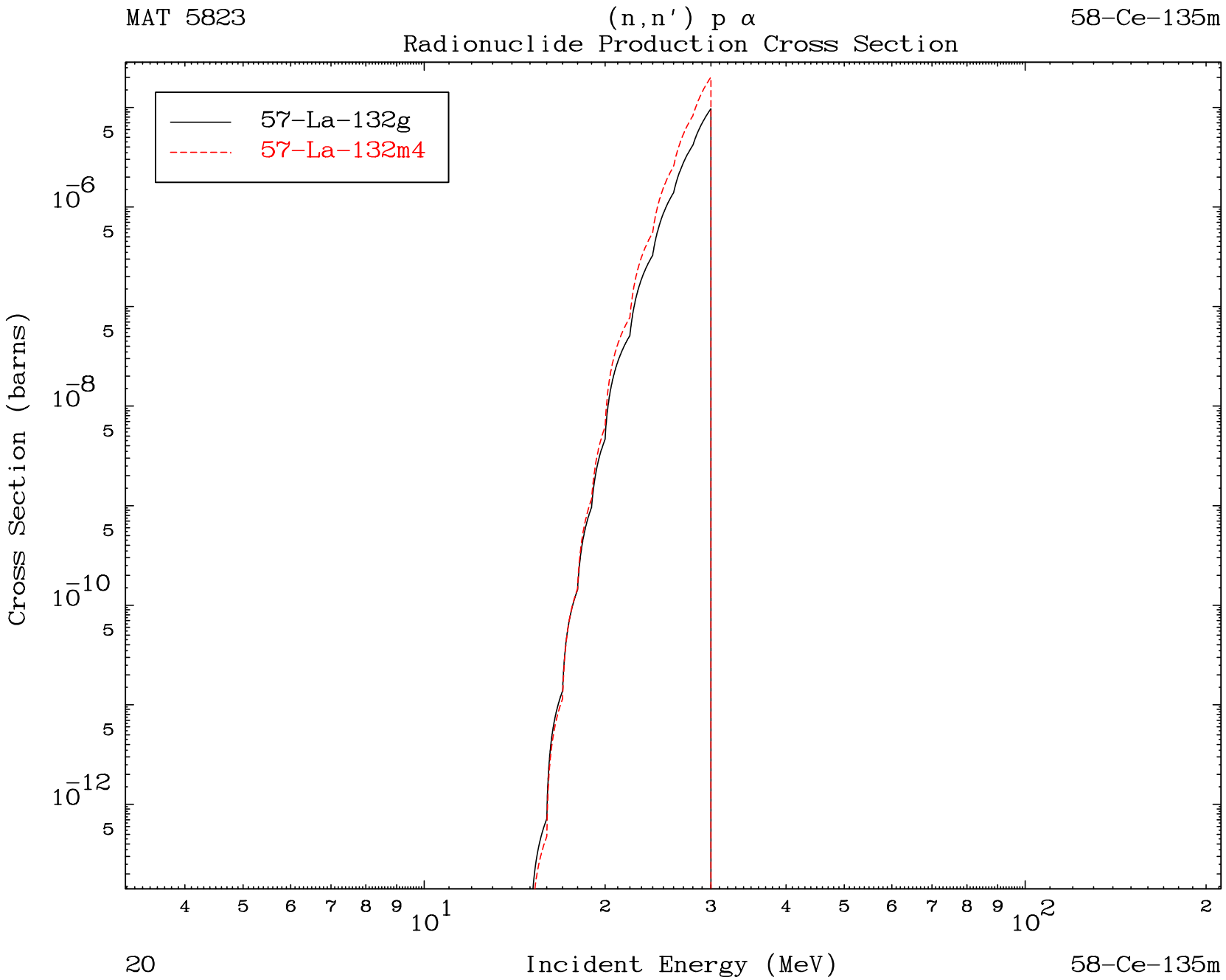

MAT 5823
(n,3n) α
58-Ce-135m
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
58-Ce-135m

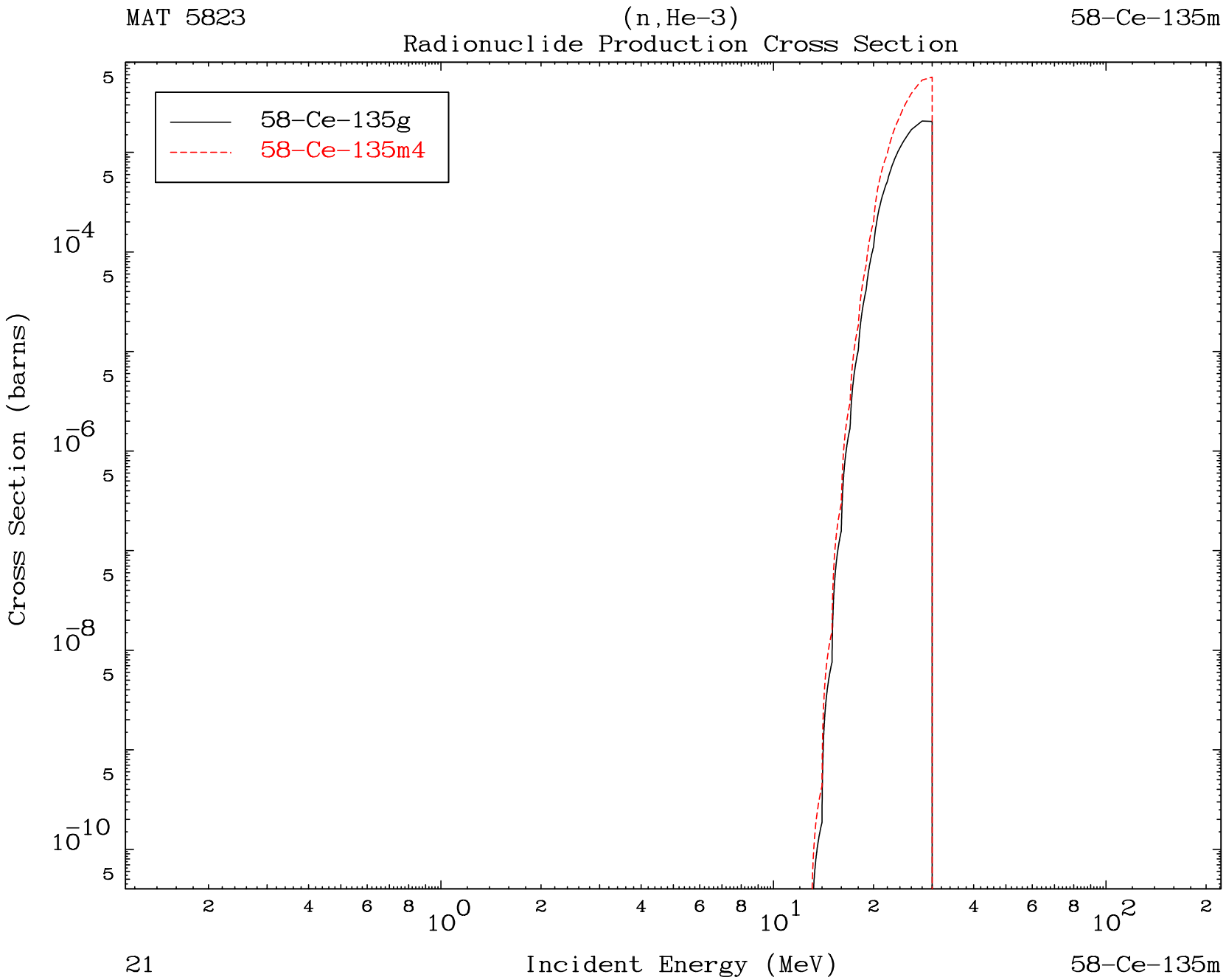

MAT 5823
(n,n') 2α
58-Ce-135m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
16
58-Ce-135m

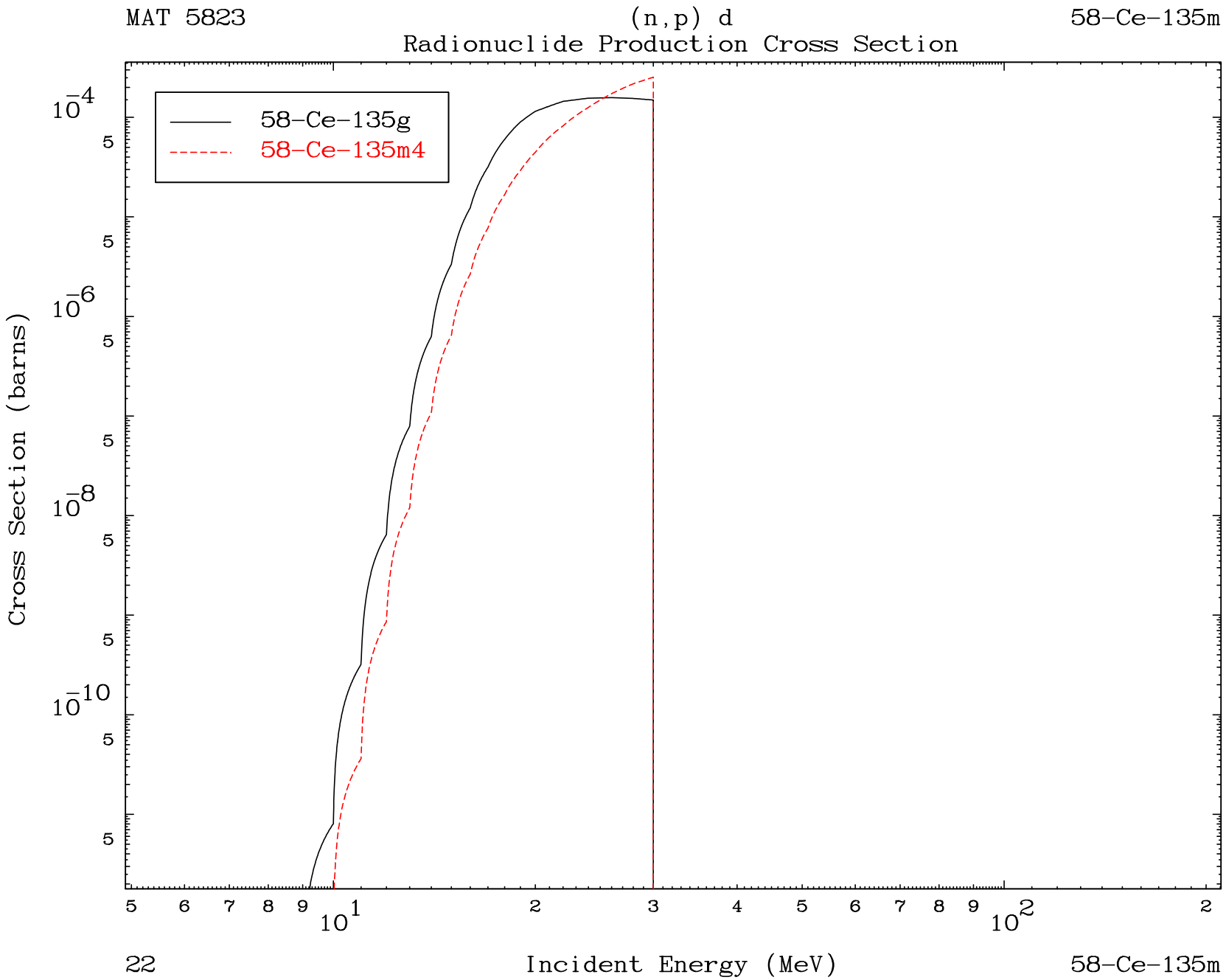

MAT 5823
(n,n') t
58-Ce-135m
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
102
2
17
Incident Energy (MeV)
58-Ce-135m

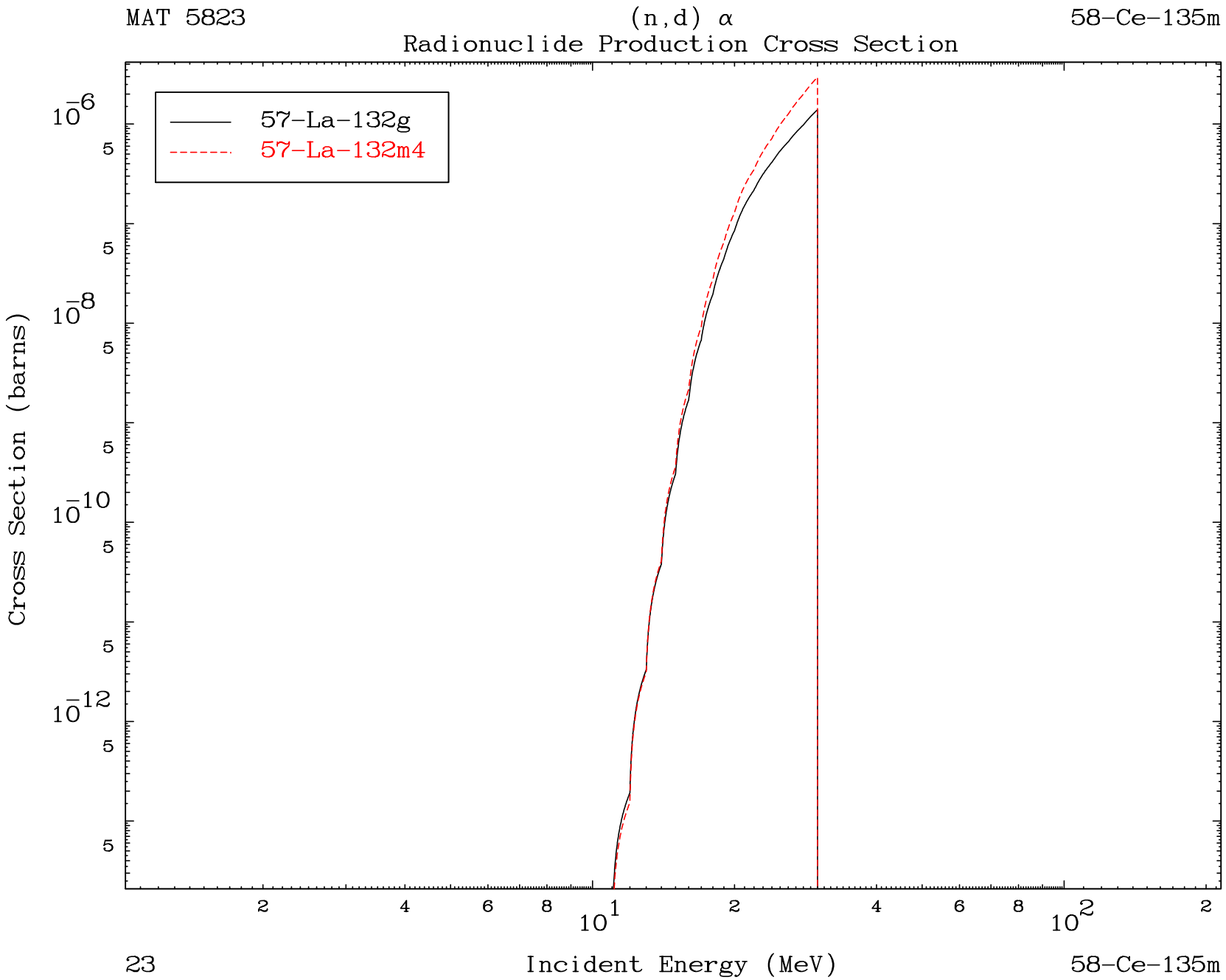

MAT 5823
(n,3n) p
58-Ce-135m
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
18
58-Ce-135m


MAT 5823
(n,2n) p
58-Ce-135m
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
19
58-Ce-135m


MAT 5823
(n,n') p α
58-Ce-135m
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
20
58-Ce-135m


MAT 5823
(n,He-3)
58-Ce-135m
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
21
58-Ce-135m


MAT 5823
(n,p) d
58-Ce-135m
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
22
58-Ce-135m


MAT 5823
(n,d) α
58-Ce-135m
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
4
6
8
10 1
10 2
23
Incident Energy (MeV)
58-Ce-135m