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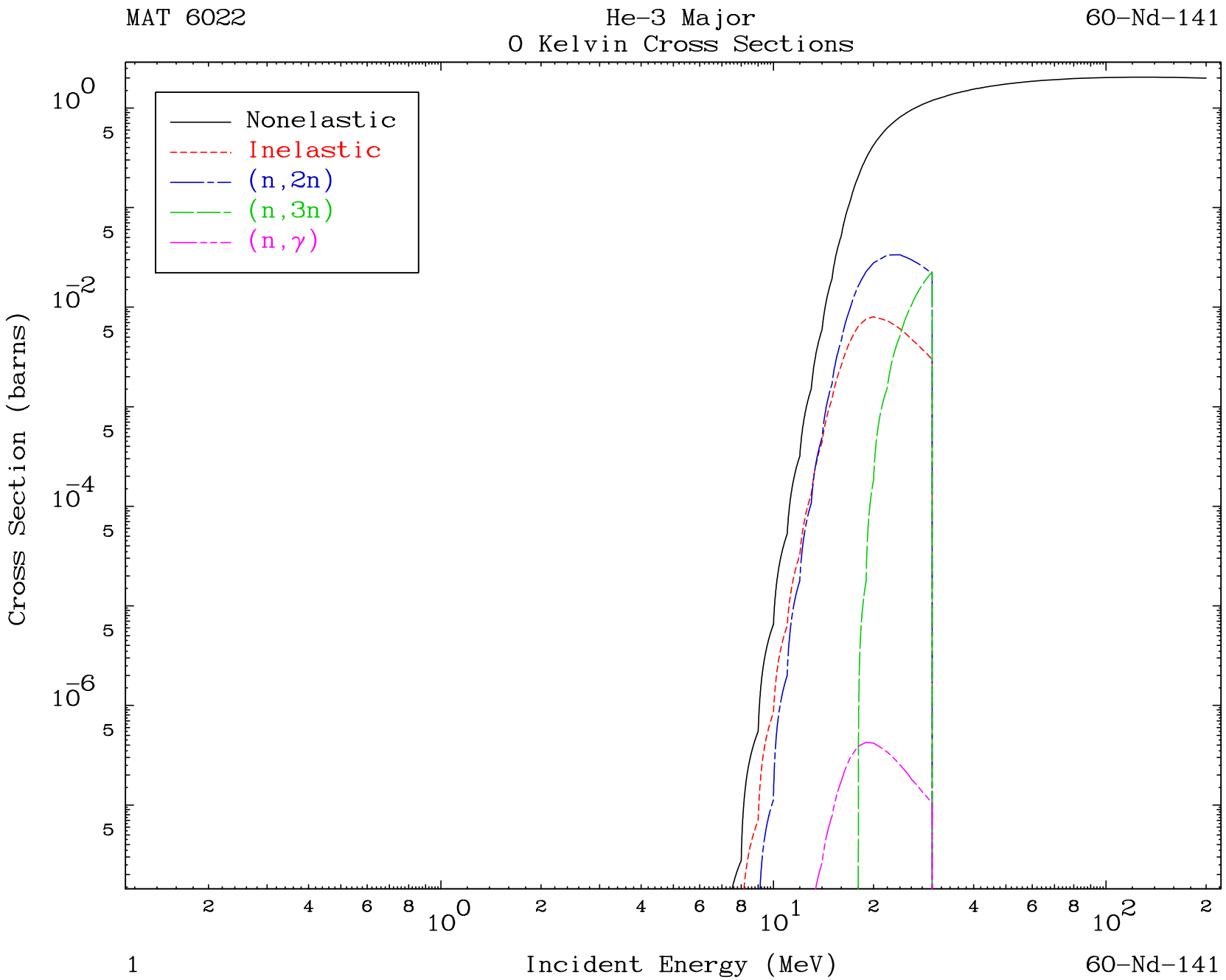
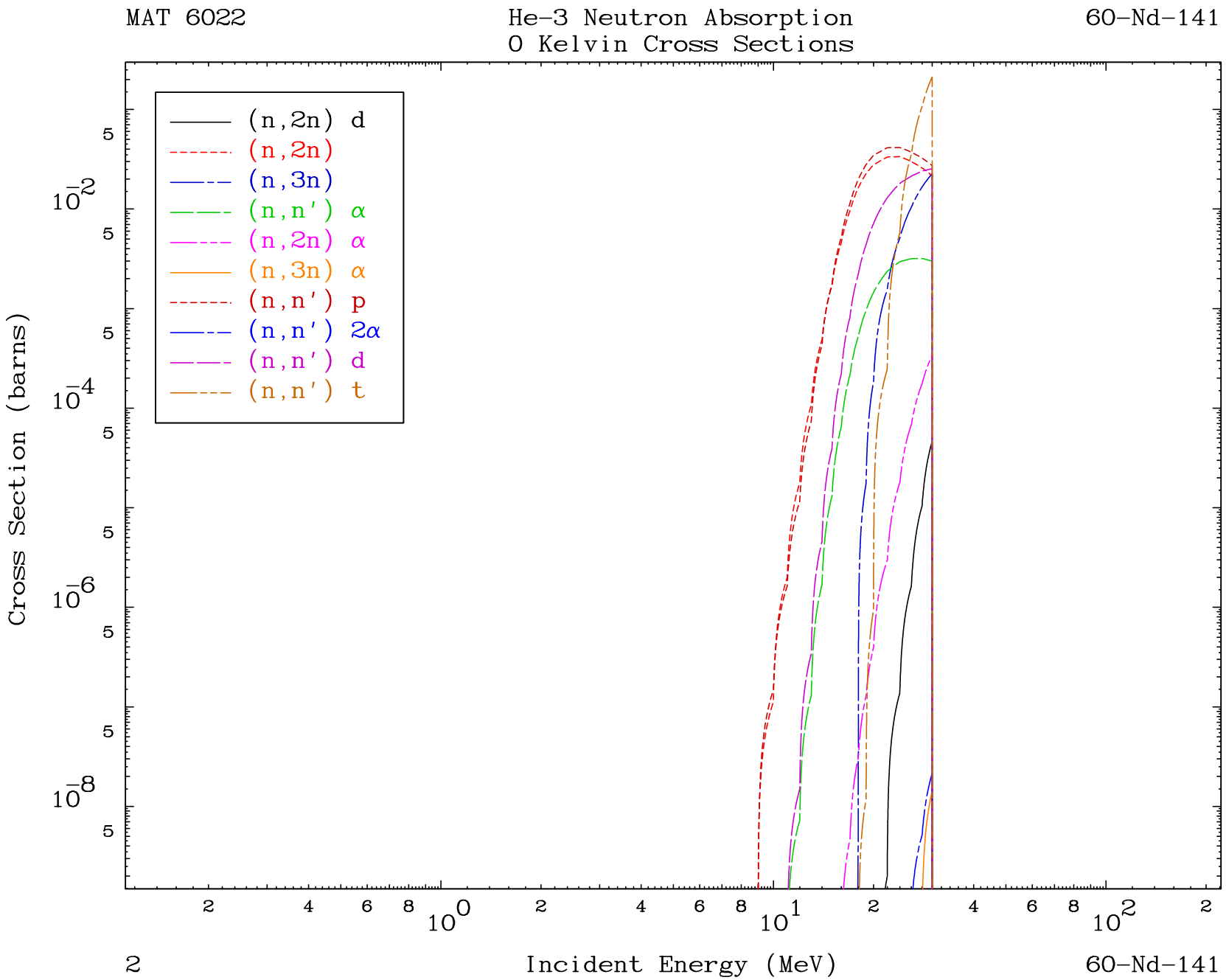
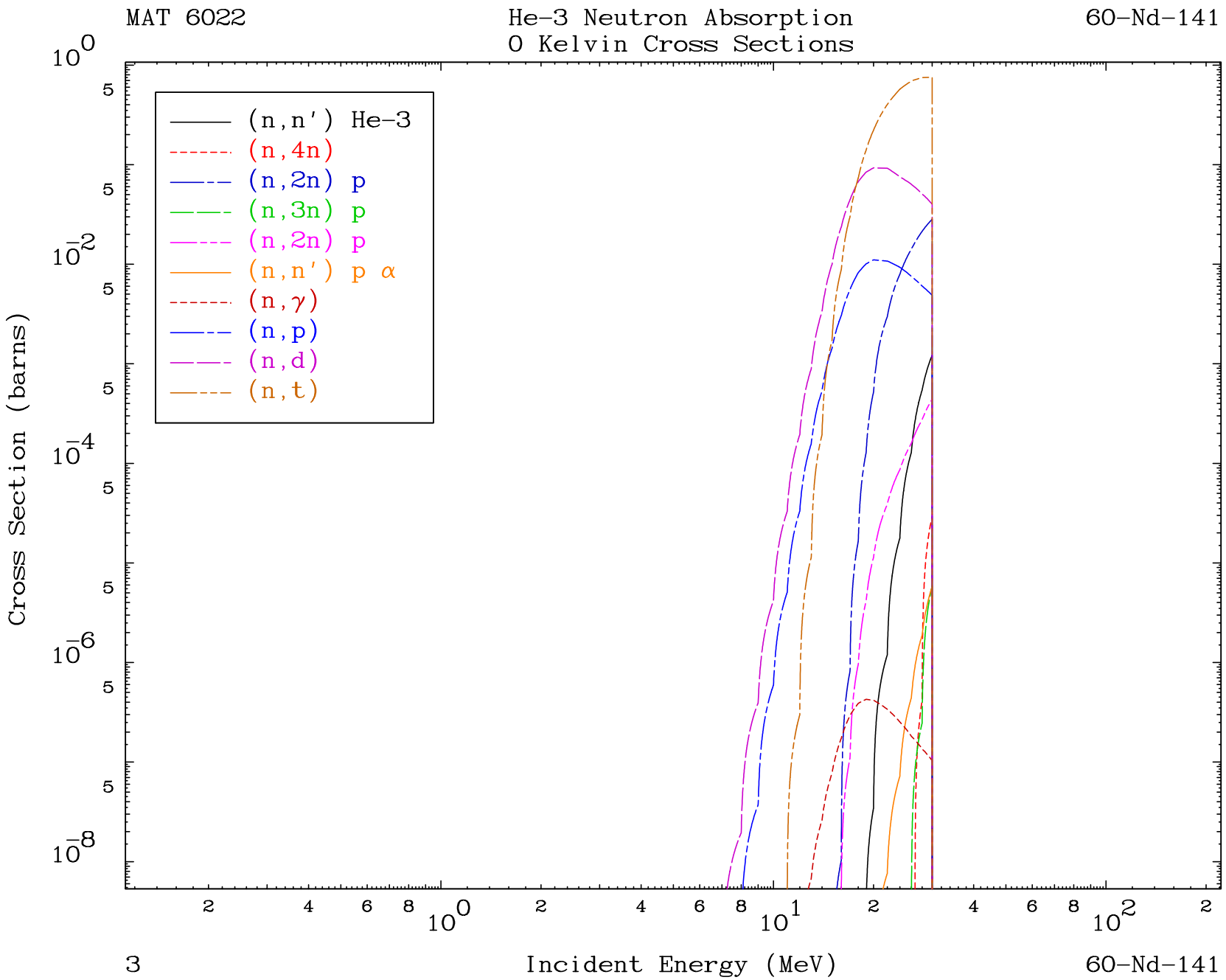
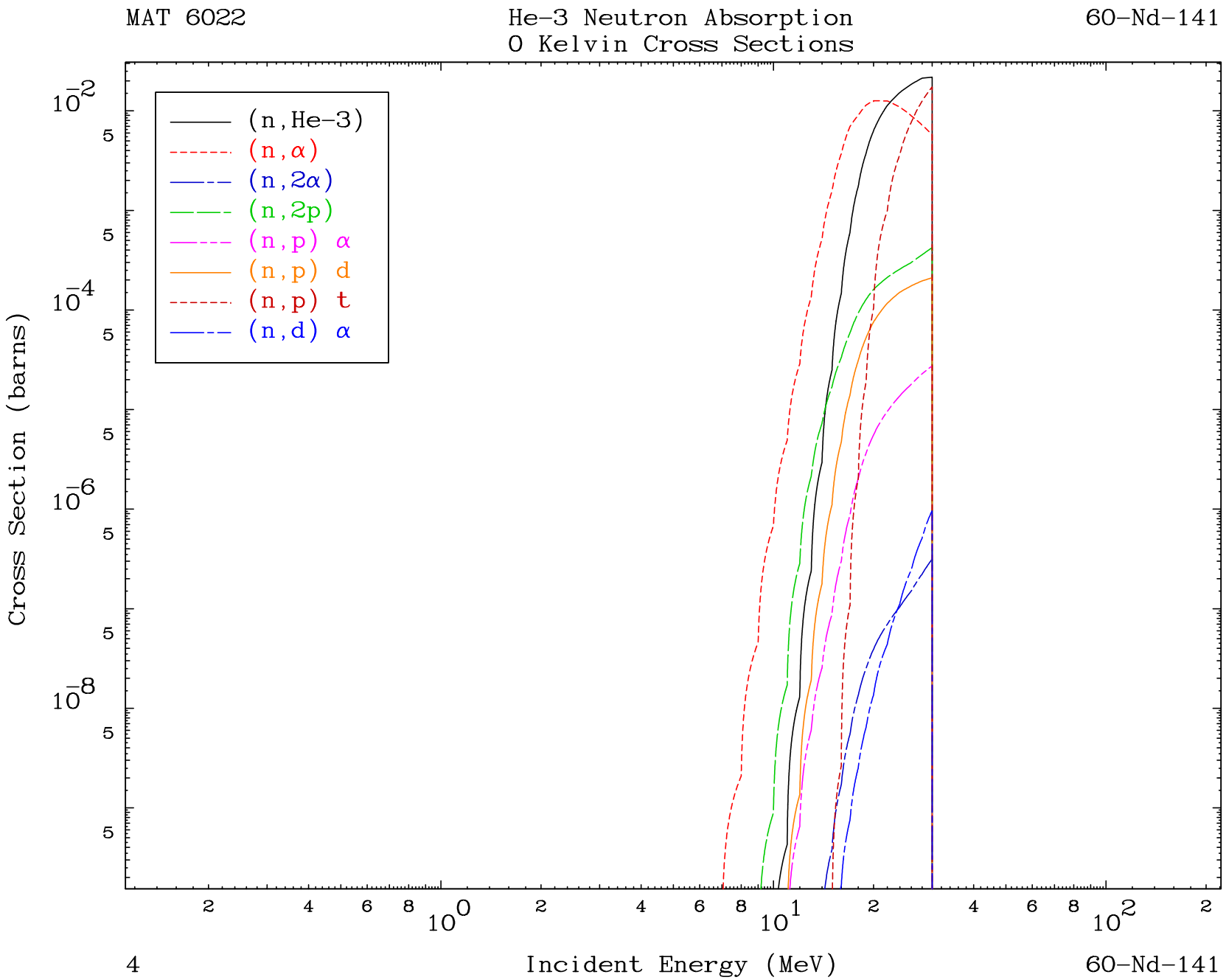
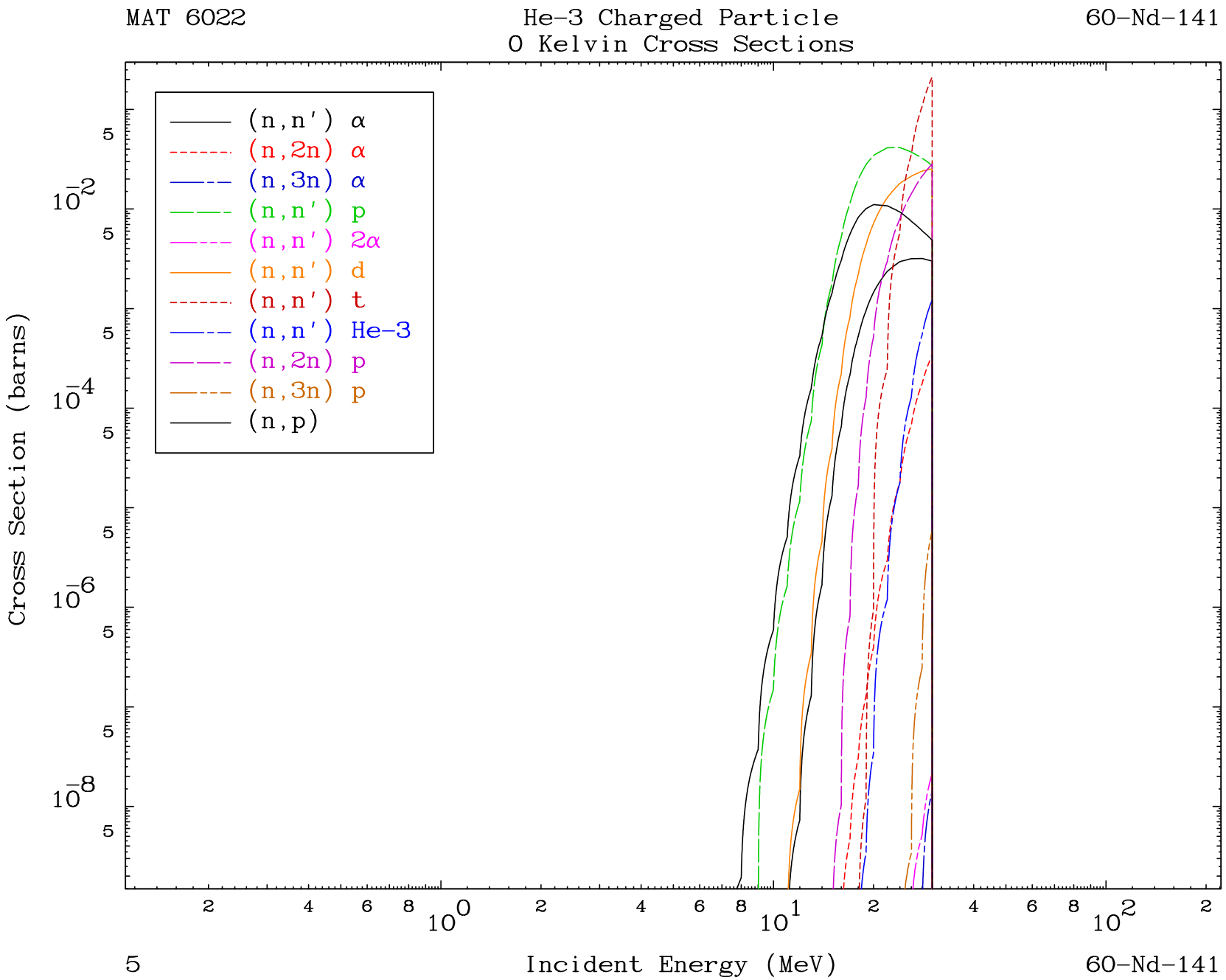
Press Mouse Button to Start

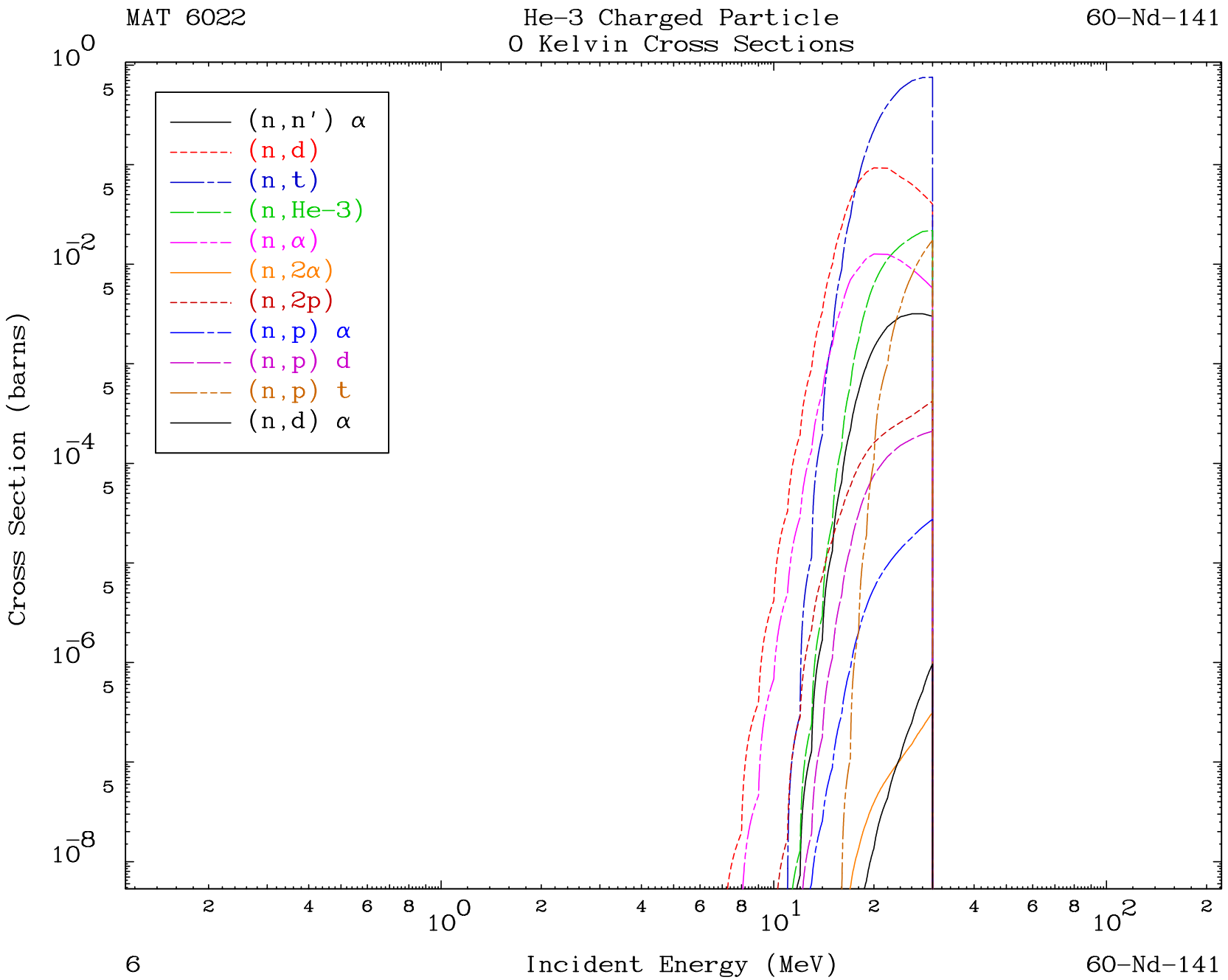

MAT 6022
He-3 Major
60-Nd-141
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141
1

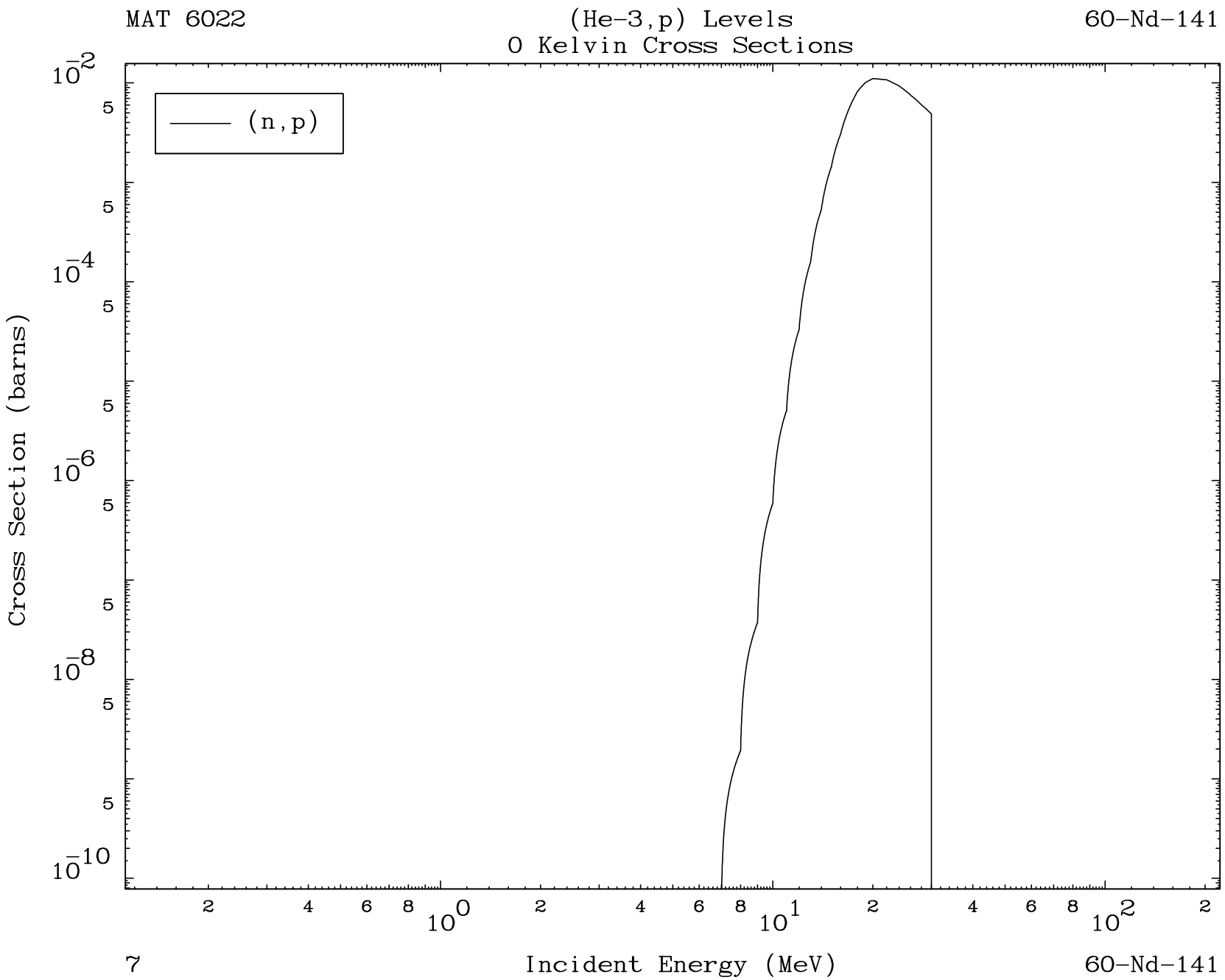

MAT 6022
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-141
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141
2

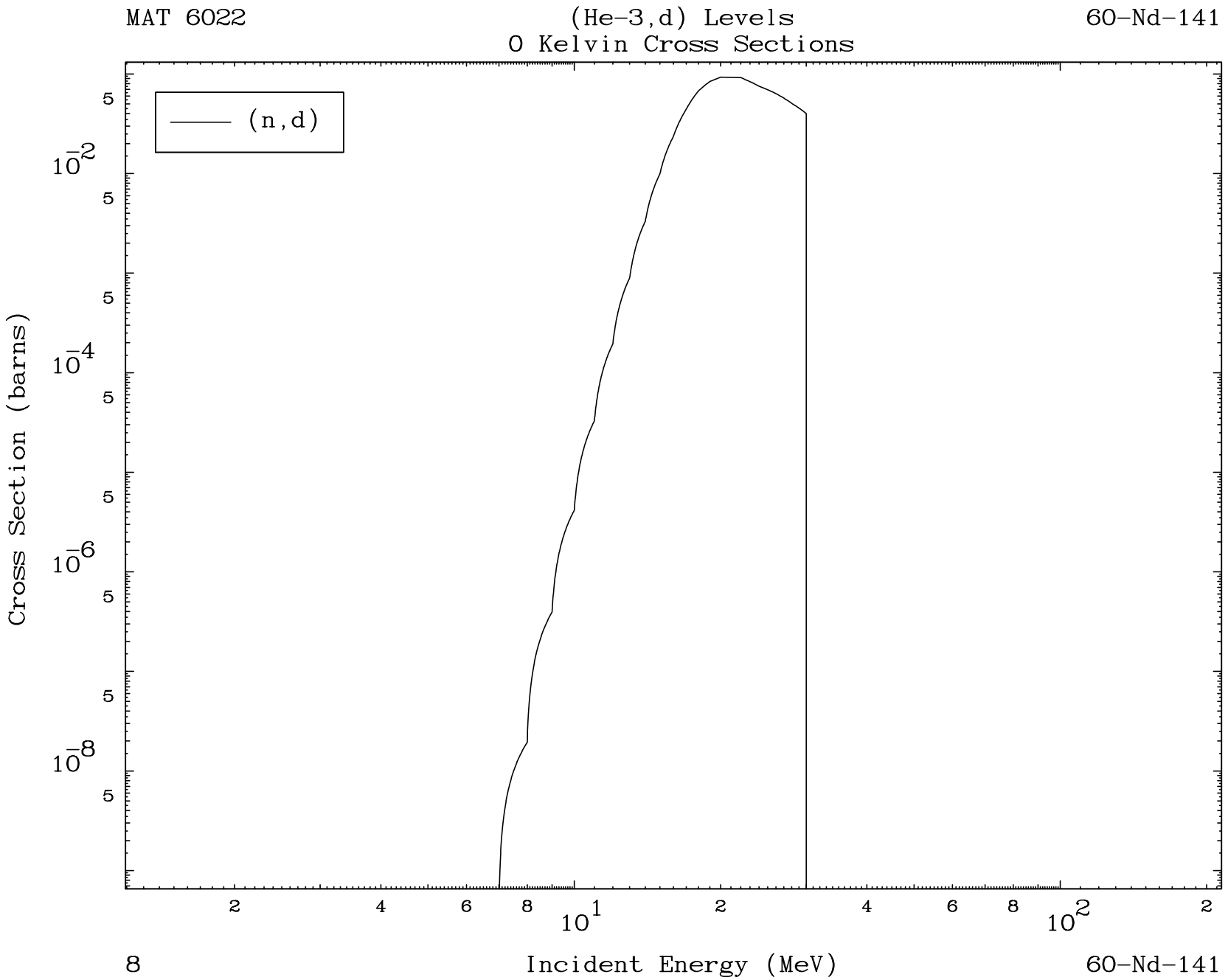

MAT 6022
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-141
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-141

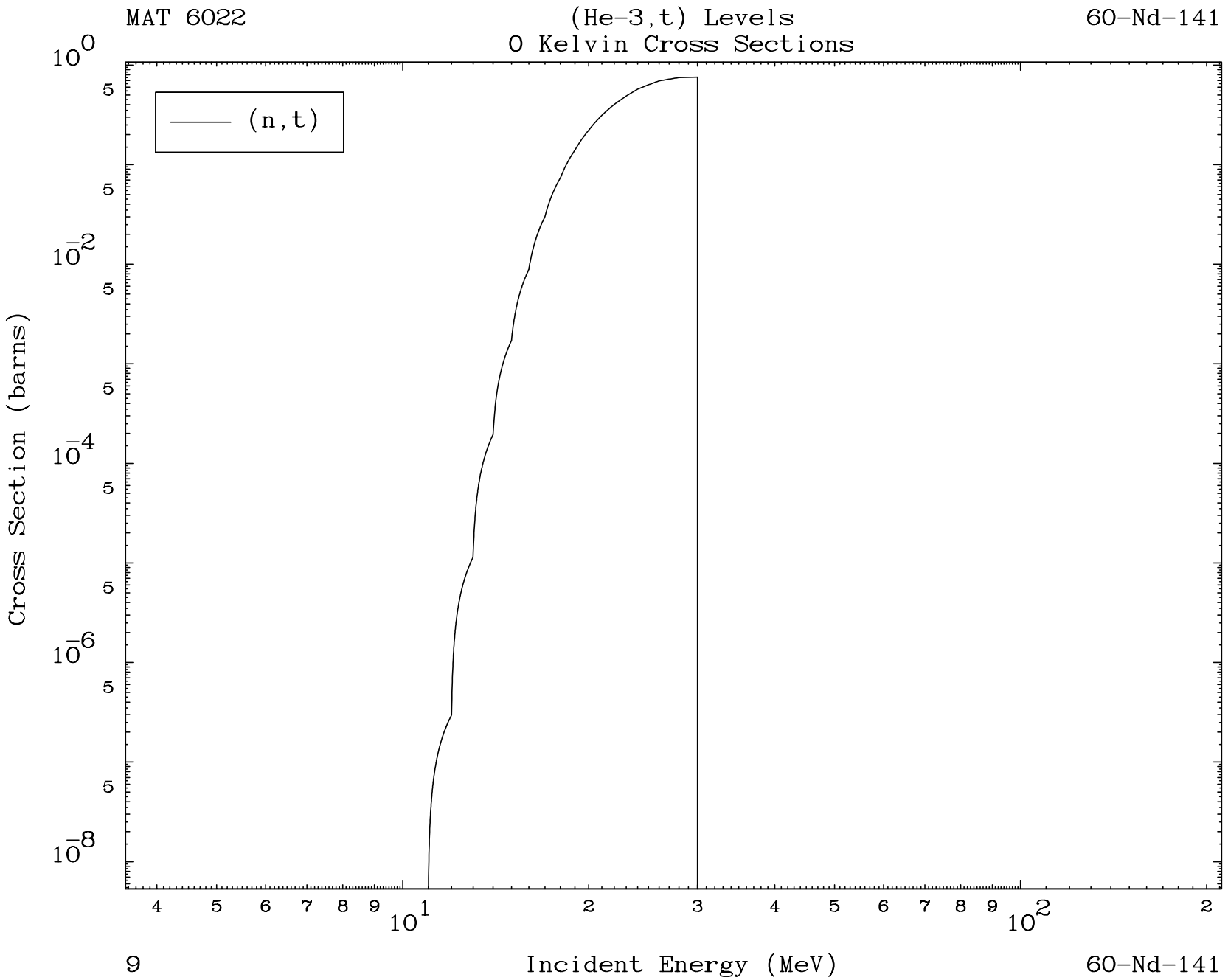

MAT 6022
He-3 Neutron Absorption
0 Kelvin Cross Sections
60-Nd-141
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-141

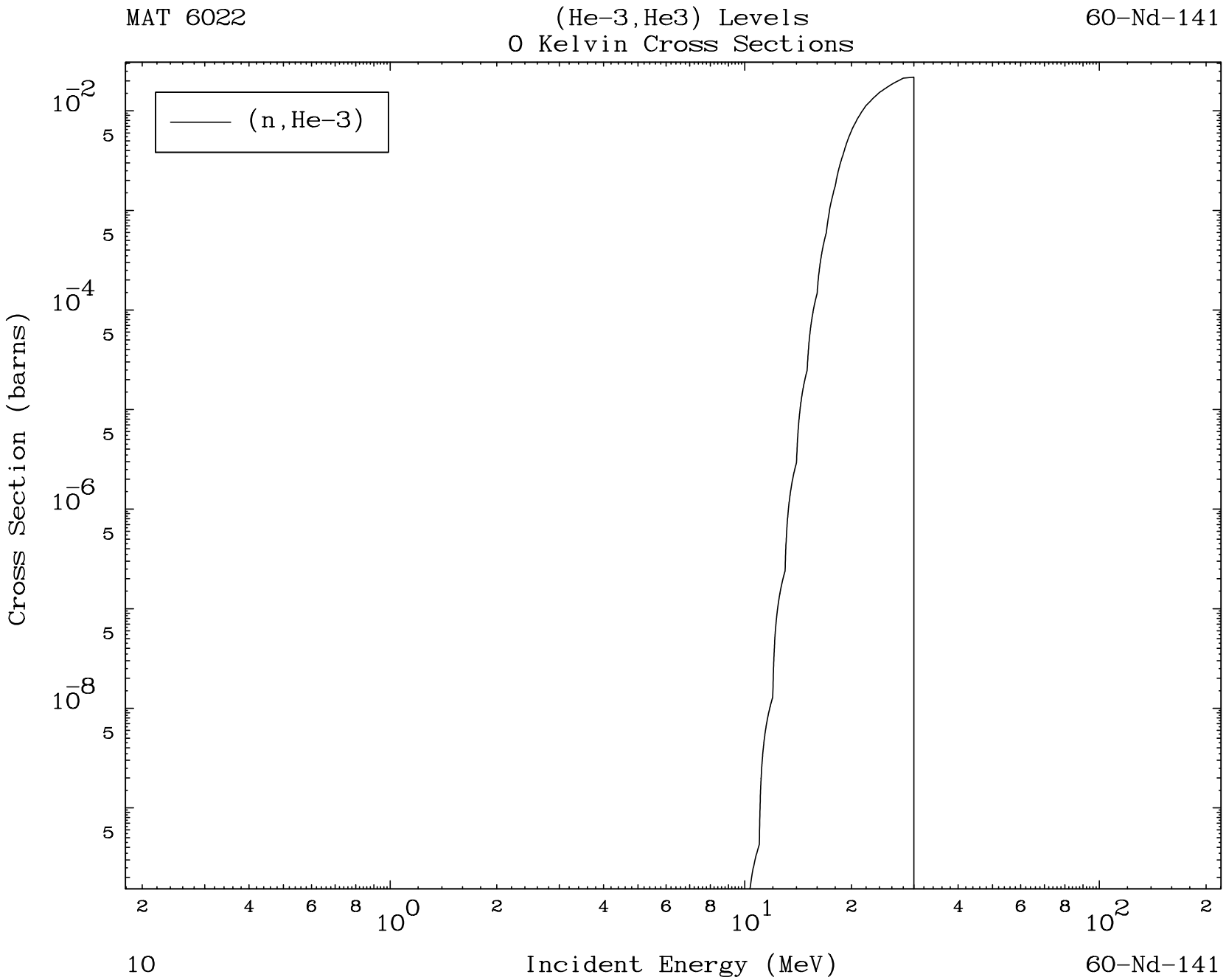

MAT 6022
He-3 Charged Particle
0 Kelvin Cross Sections
60-Nd-141
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
60-Nd-141

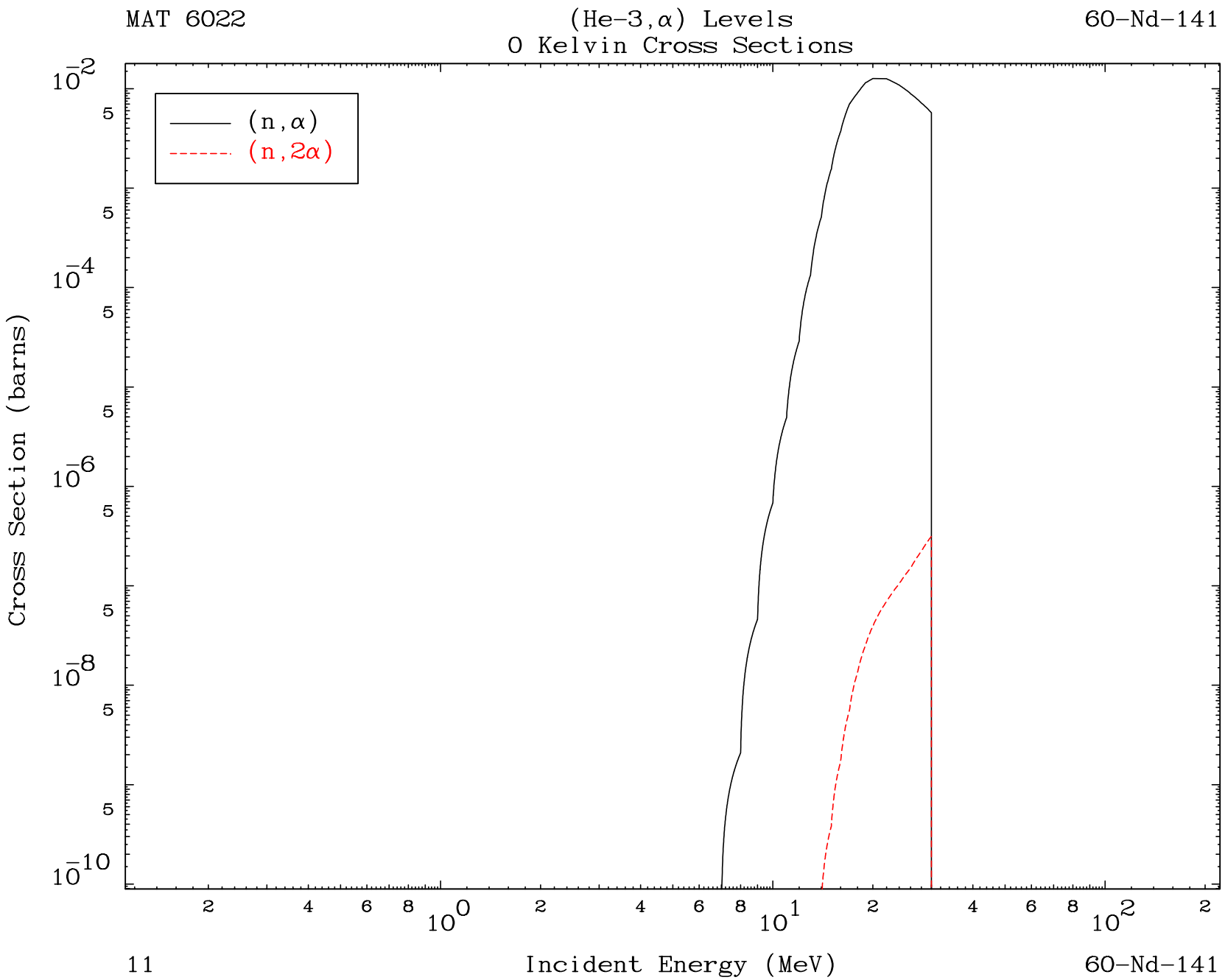

MAT 6022
He-3 Charged Particle
0 Kelvin Cross Sections
60-Nd-141
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-141

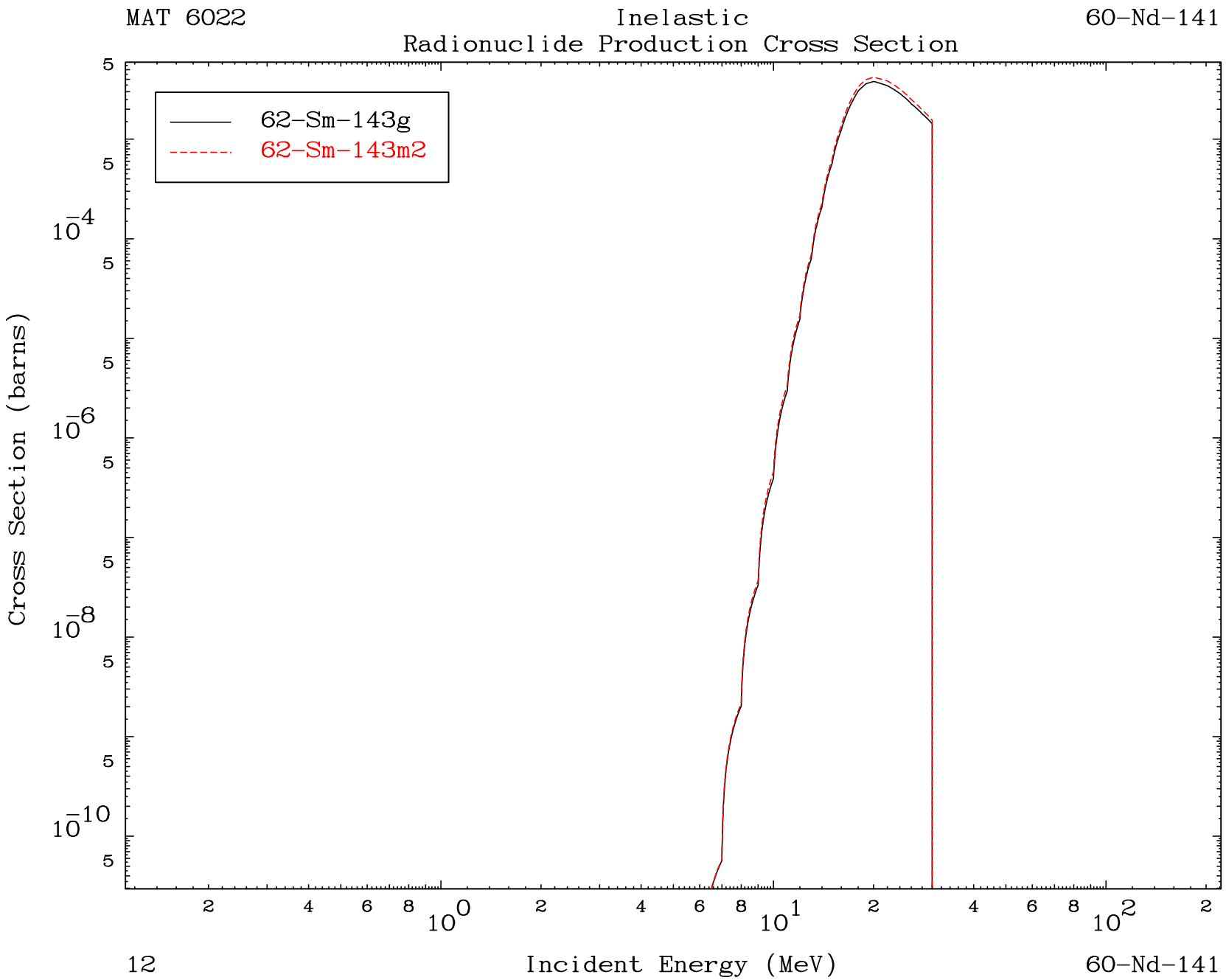

MAT 6022
(He-3,p) Levels
60-Nd-141
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
60-Nd-141

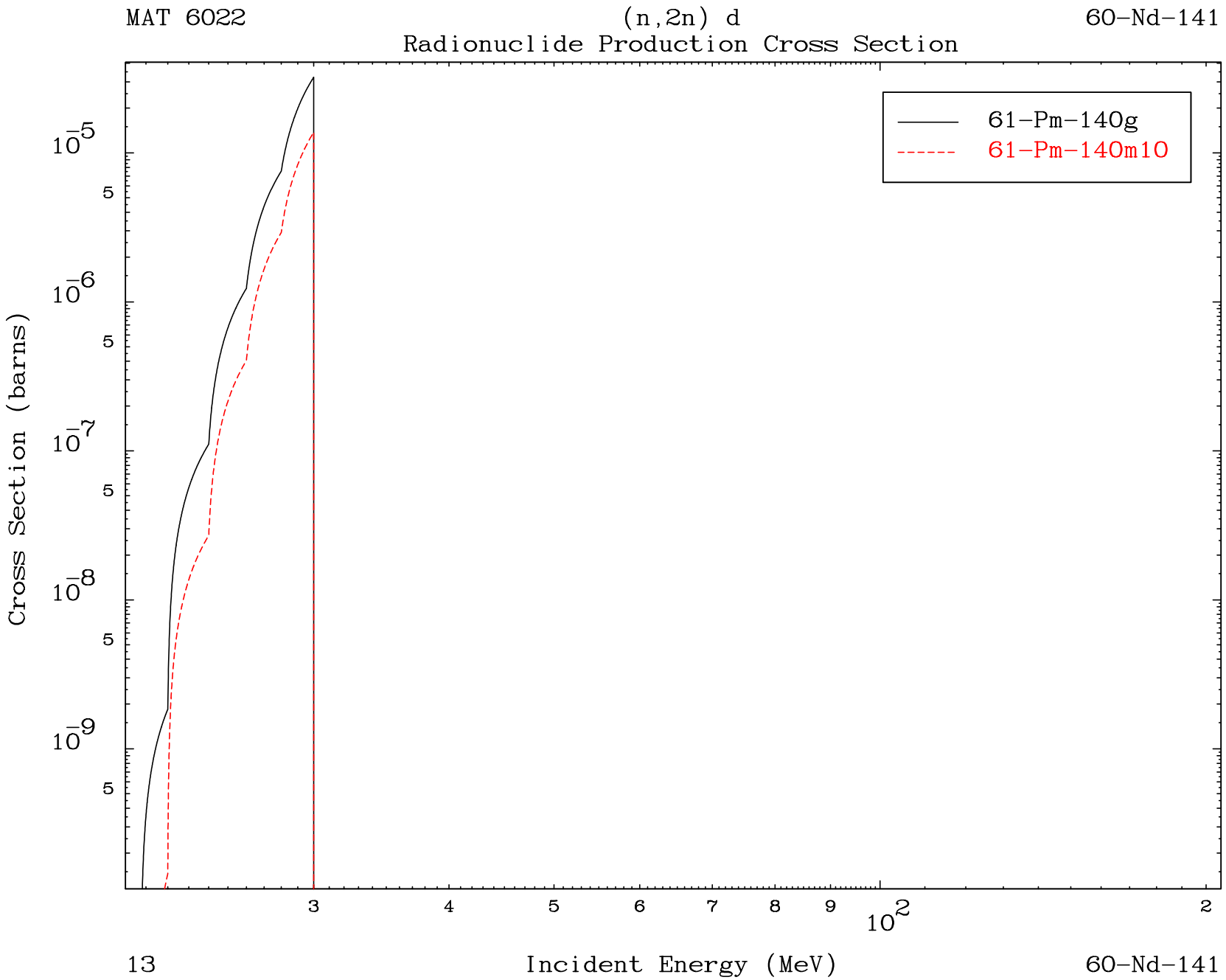

MAT 6022
(He-3,d) Levels
60-Nd-141
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
8
60-Nd-141

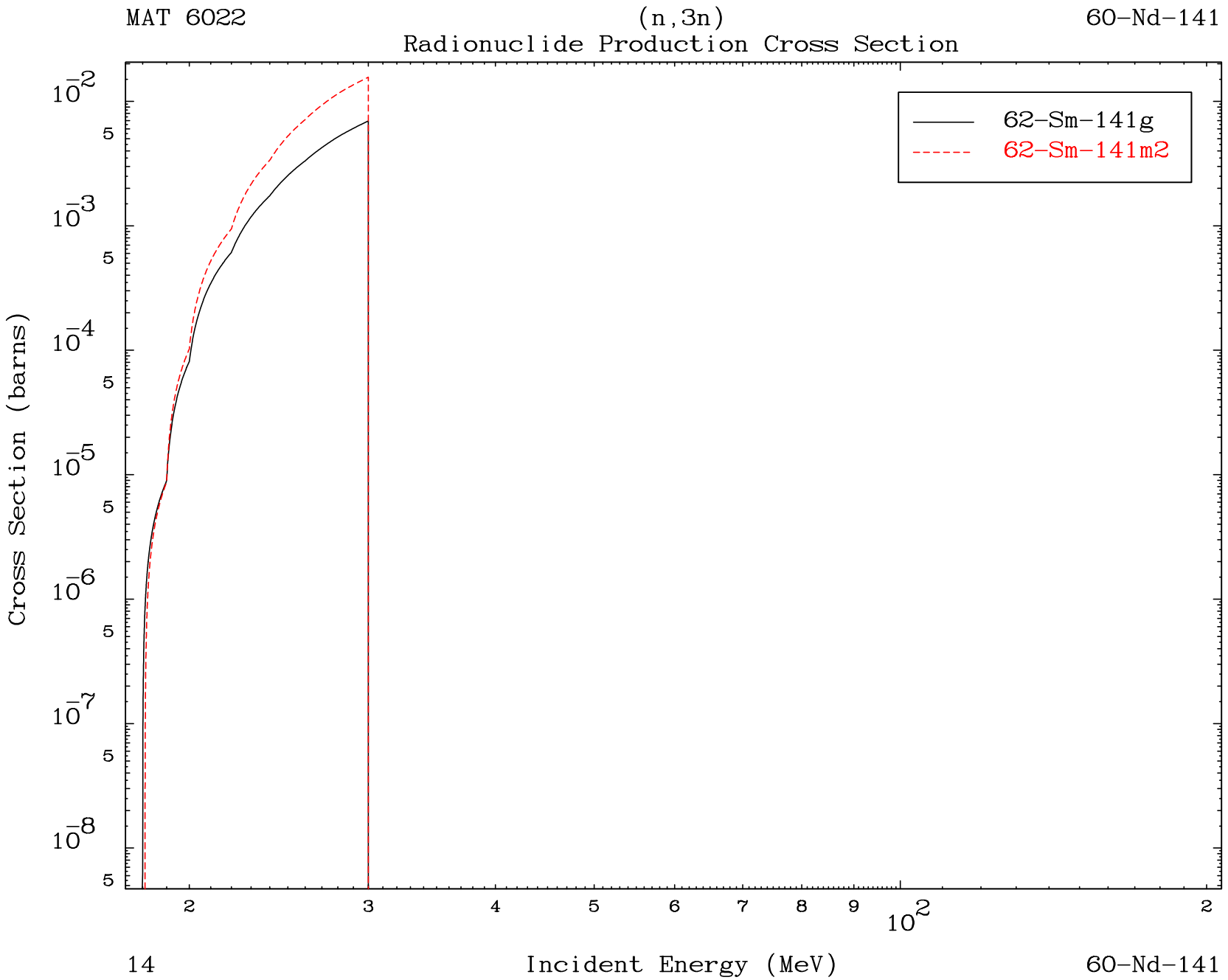

MAT 6022
(He-3,t) Levels
60-Nd-141
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
60-Nd-141

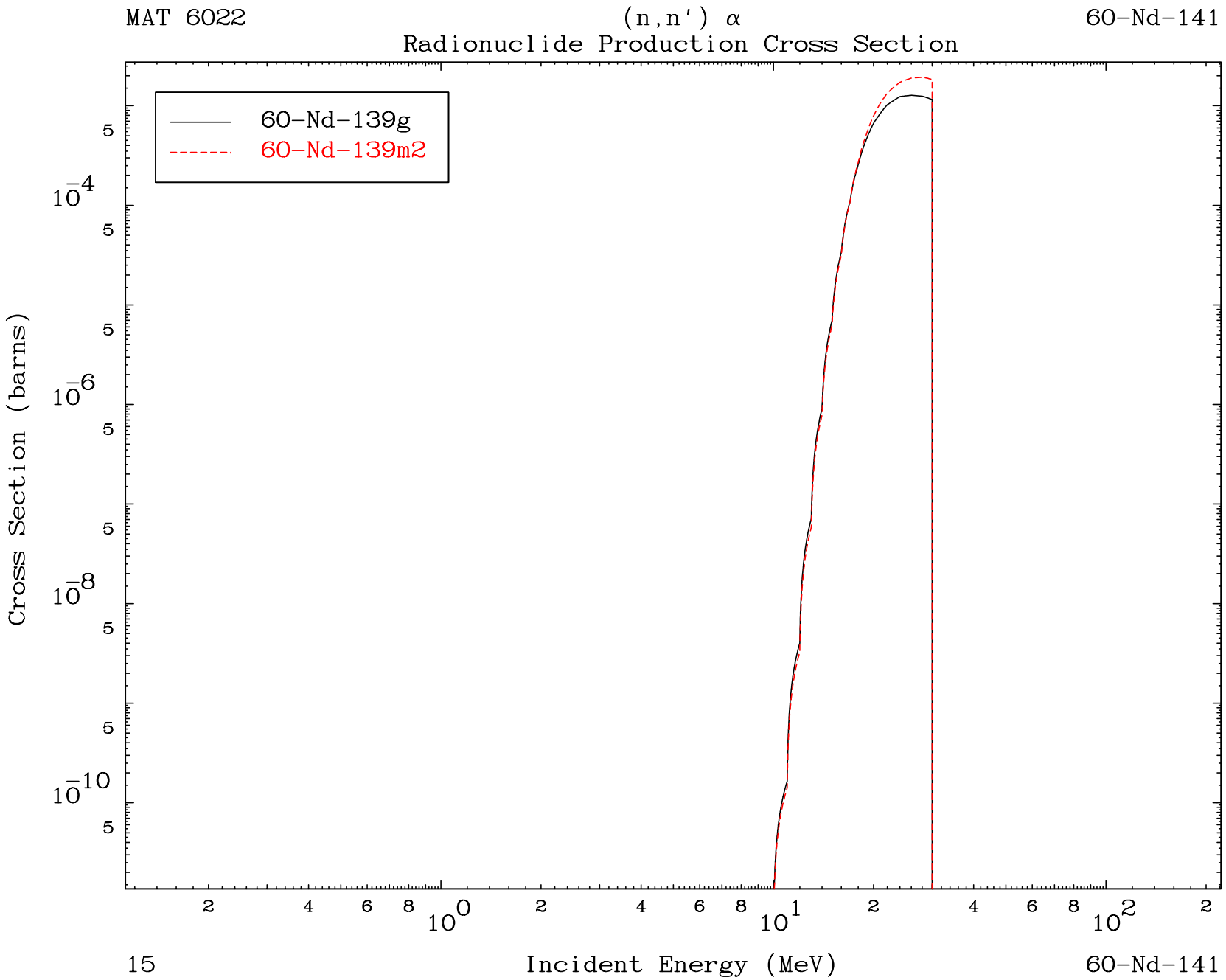

MAT 6022
(He-3,He3) Levels
60-Nd-141
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-141

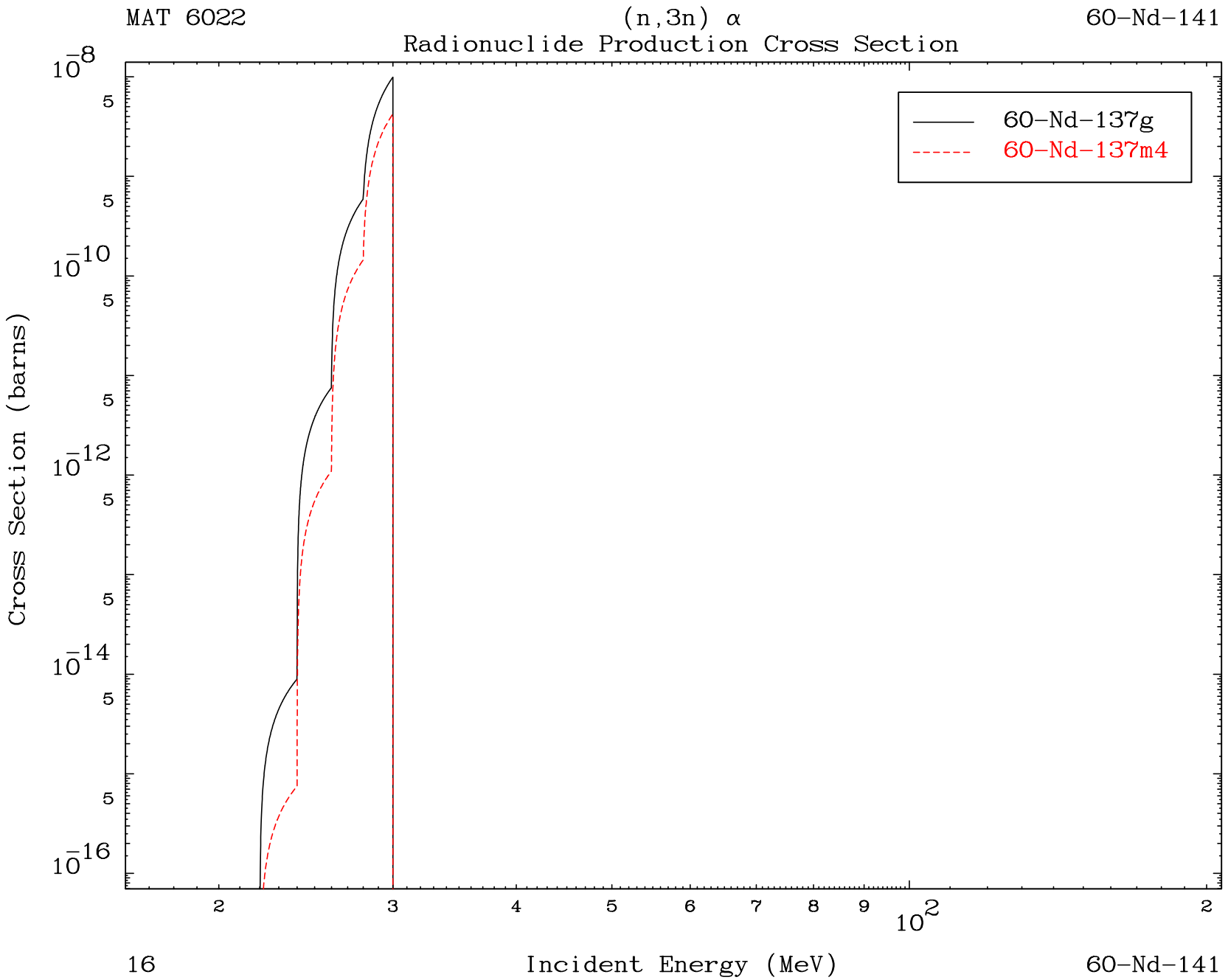

MAT 6022
(He-3,α) Levels
0 Kelvin Cross Sections
60-Nd-141
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
11
60-Nd-141

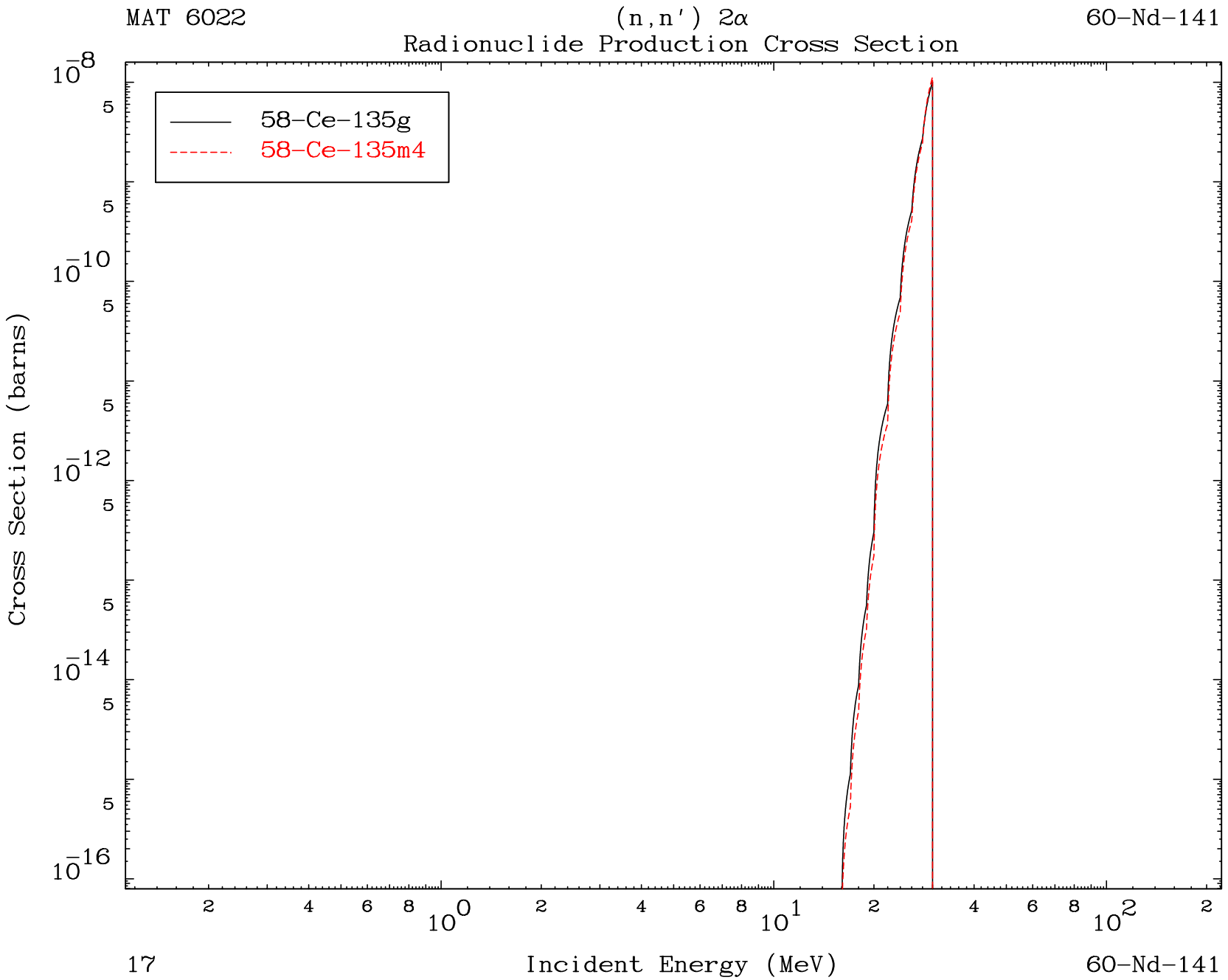

MAT 6022
Inelastic
60-Nd-141
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-141

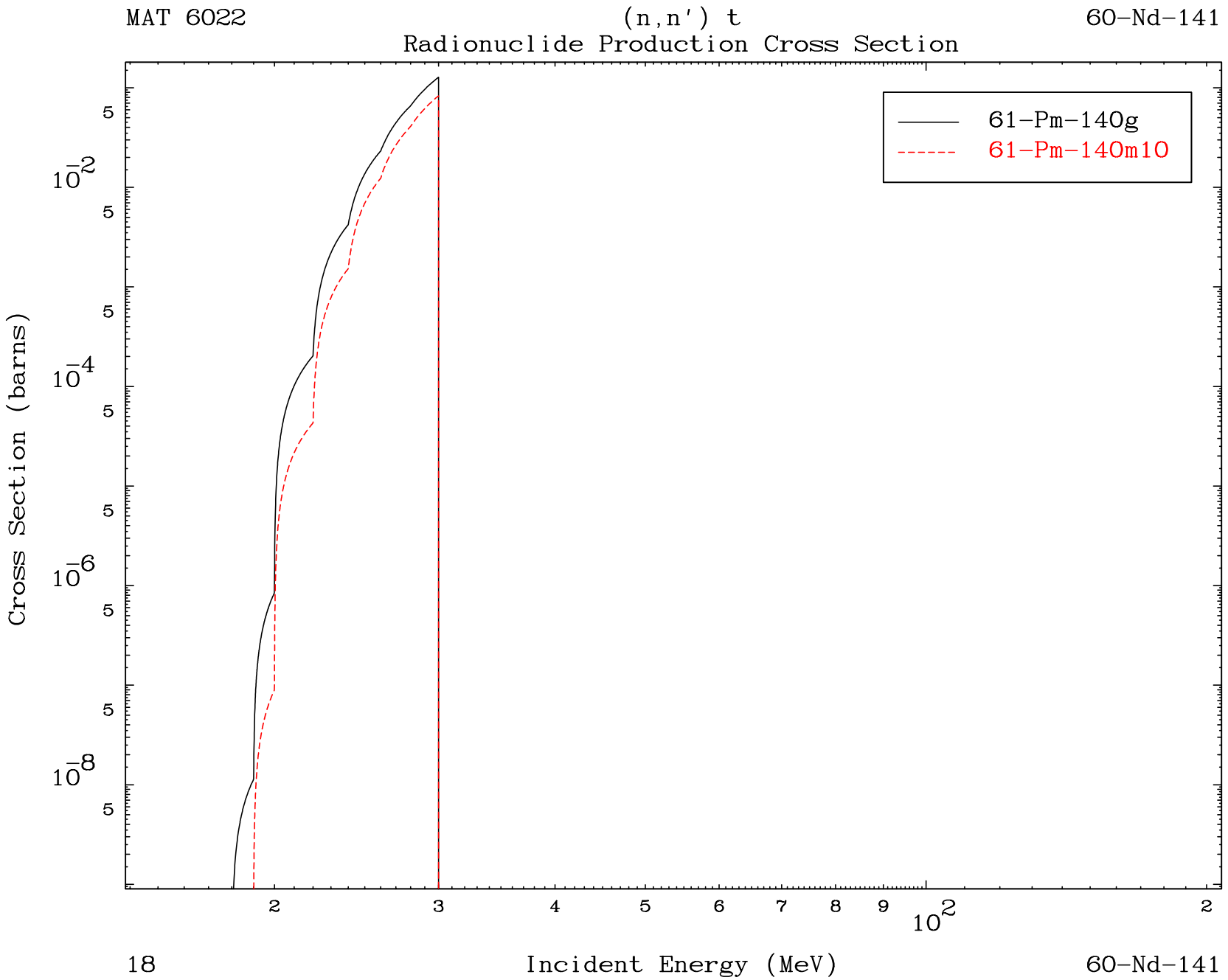

MAT 6022
(n,2n) d
60-Nd-141
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
60-Nd-141

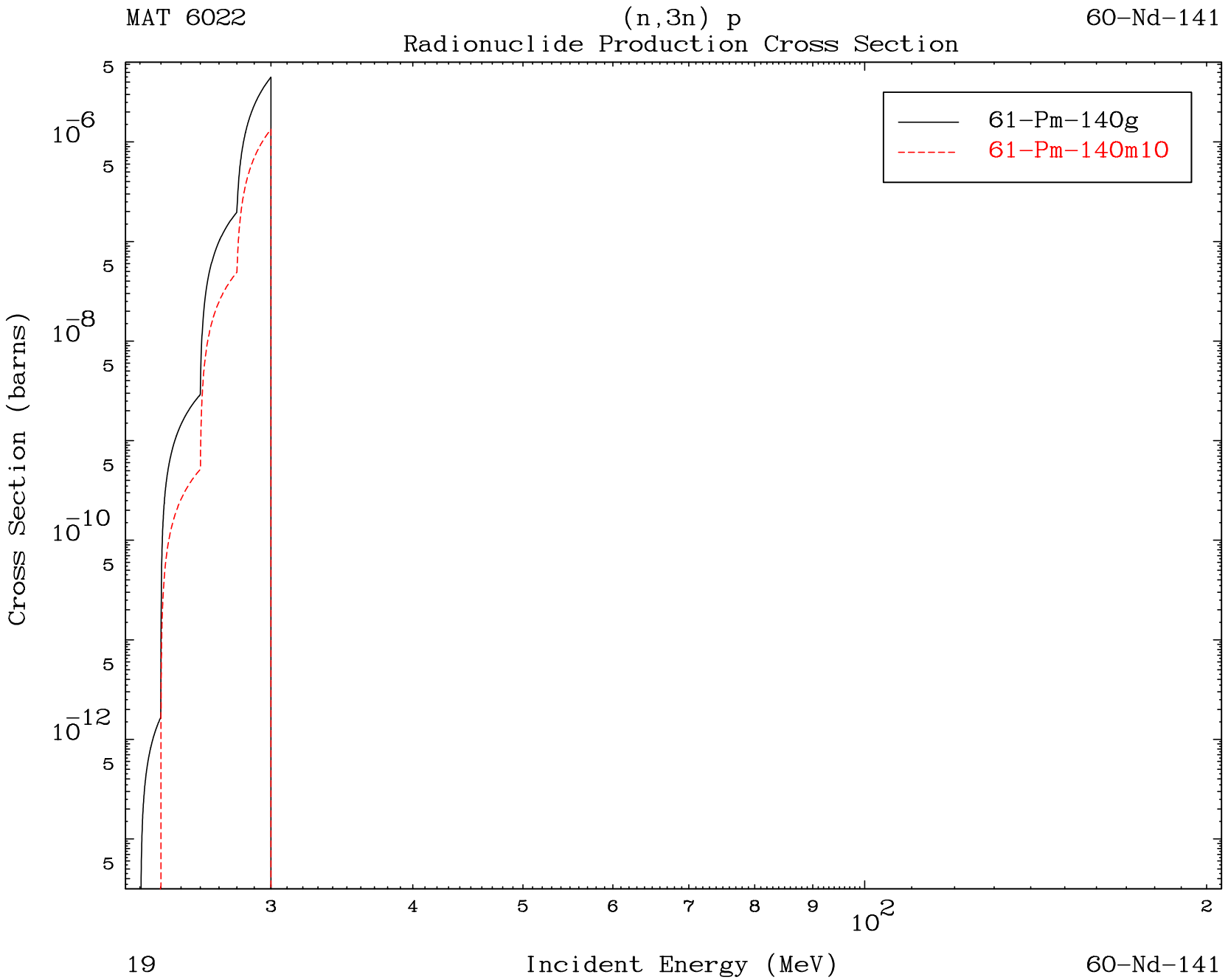

MAT 6022
(n,3n)
60-Nd-141
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
14
60-Nd-141

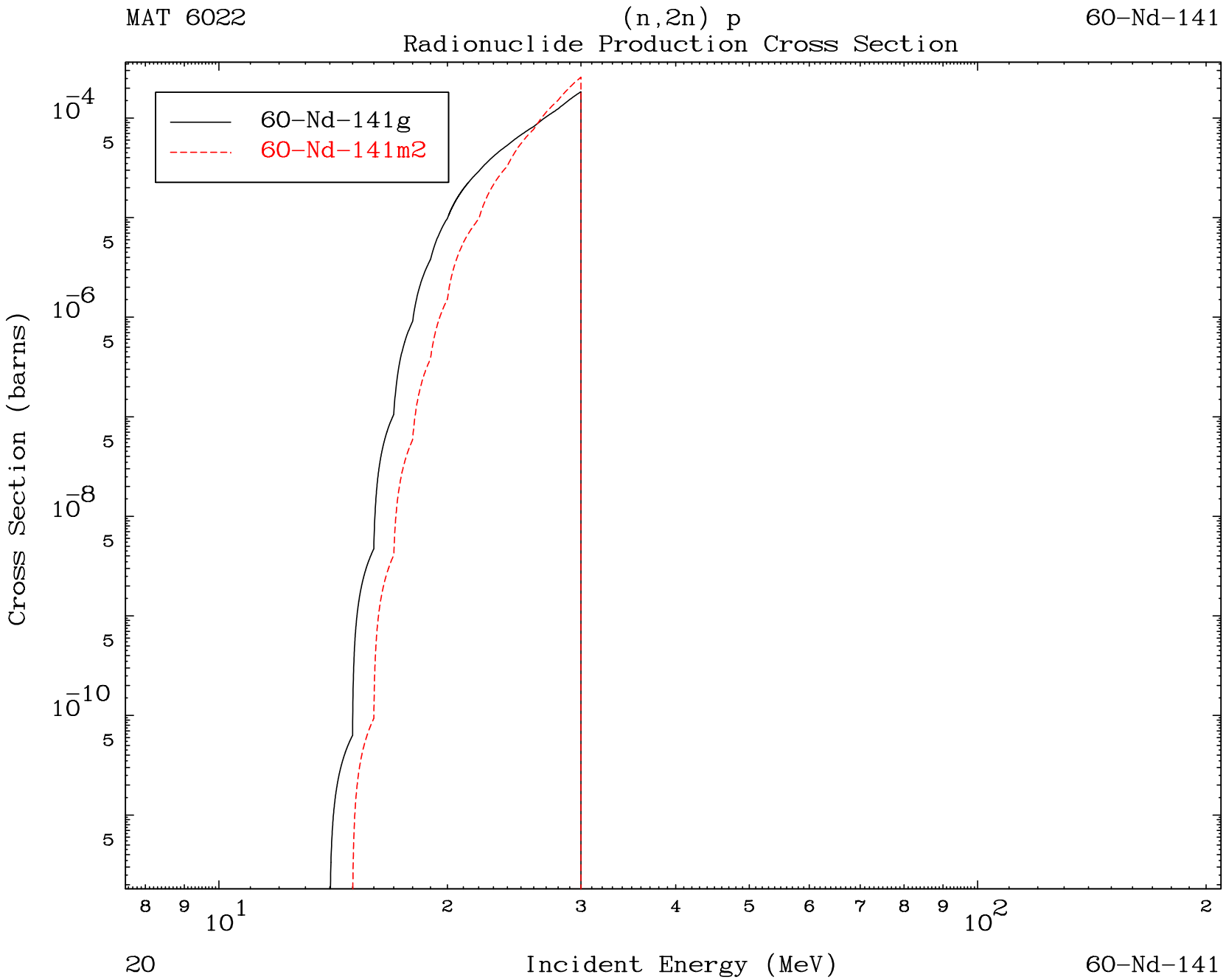

MAT 6022
(n,n') α
60-Nd-141
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
15
60-Nd-141

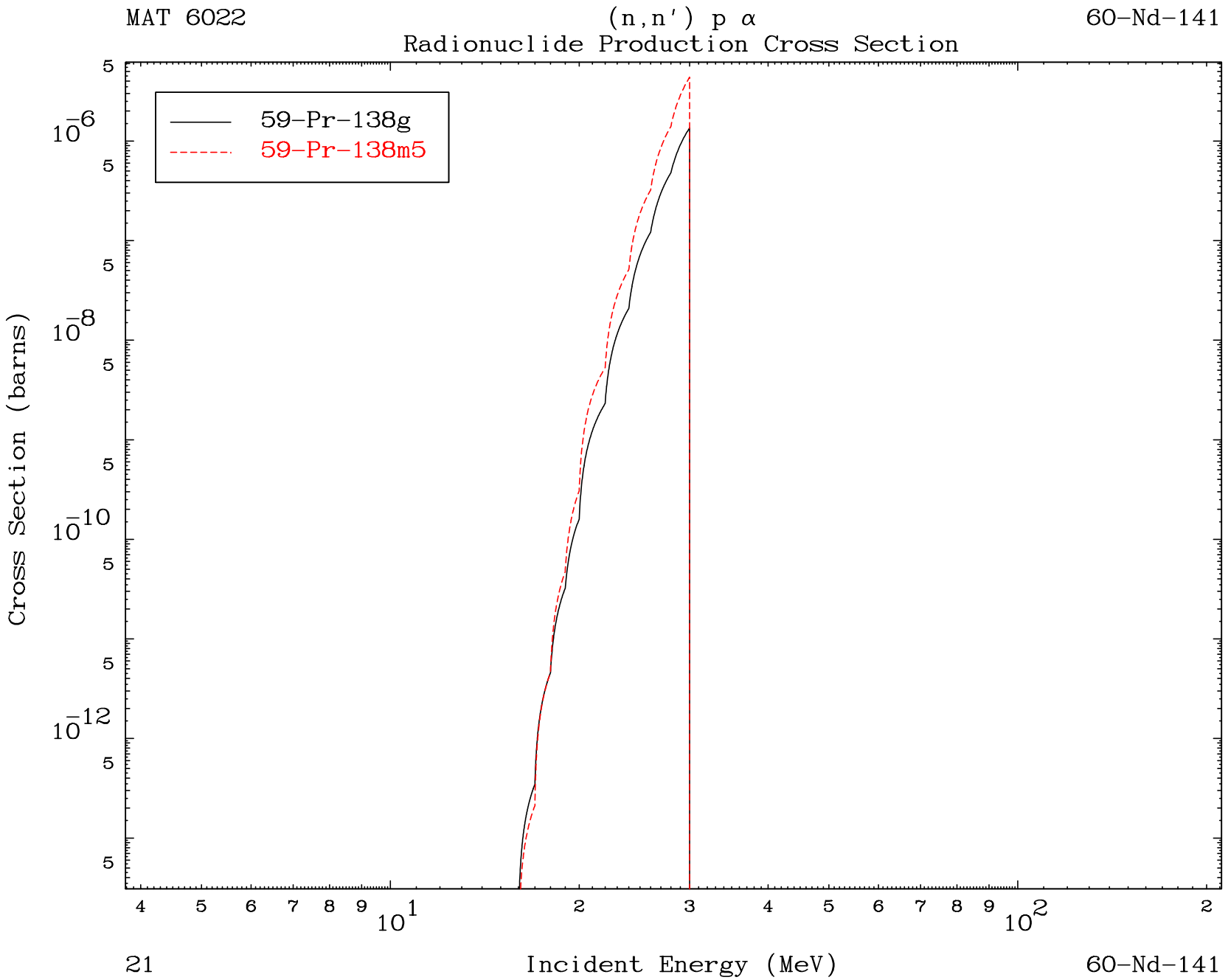

MAT 6022
(n,3n) α
60-Nd-141
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
10-8
10-10
10-12
10-14
10-16
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
16
60-Nd-141

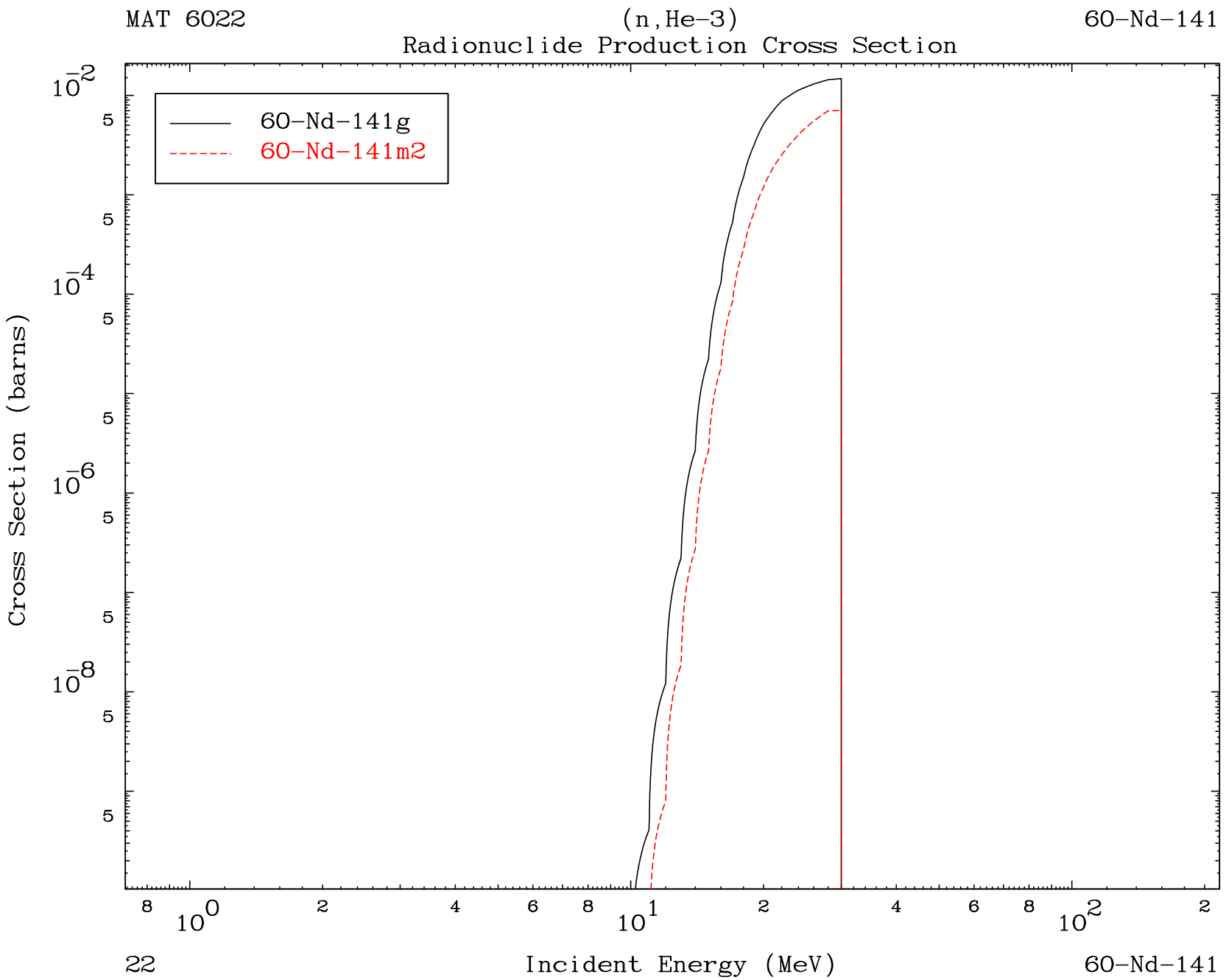

MAT 6022
(n,n') 2α
60-Nd-141
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
17
60-Nd-141

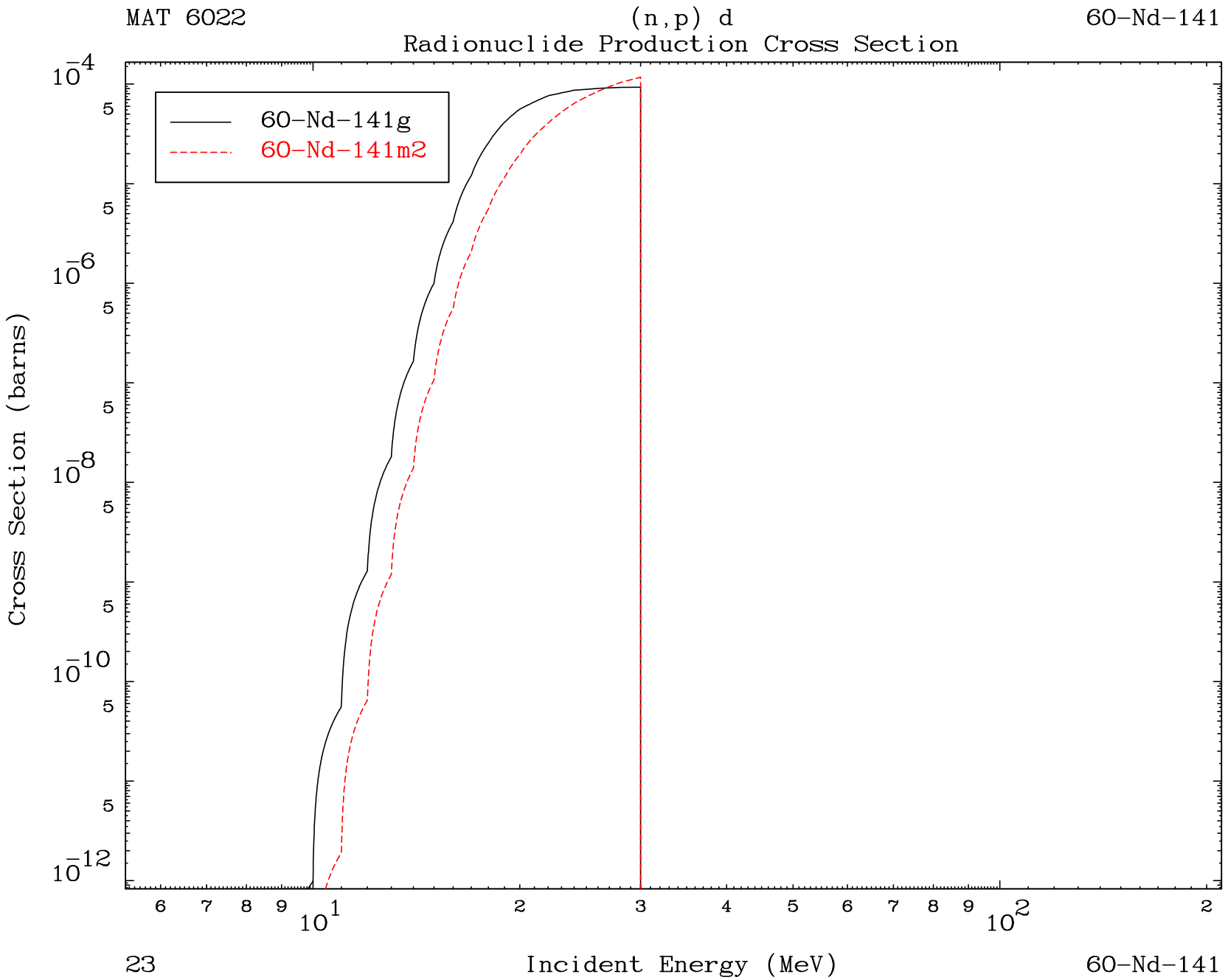

MAT 6022
(n,n') t
60-Nd-141
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
60-Nd-141

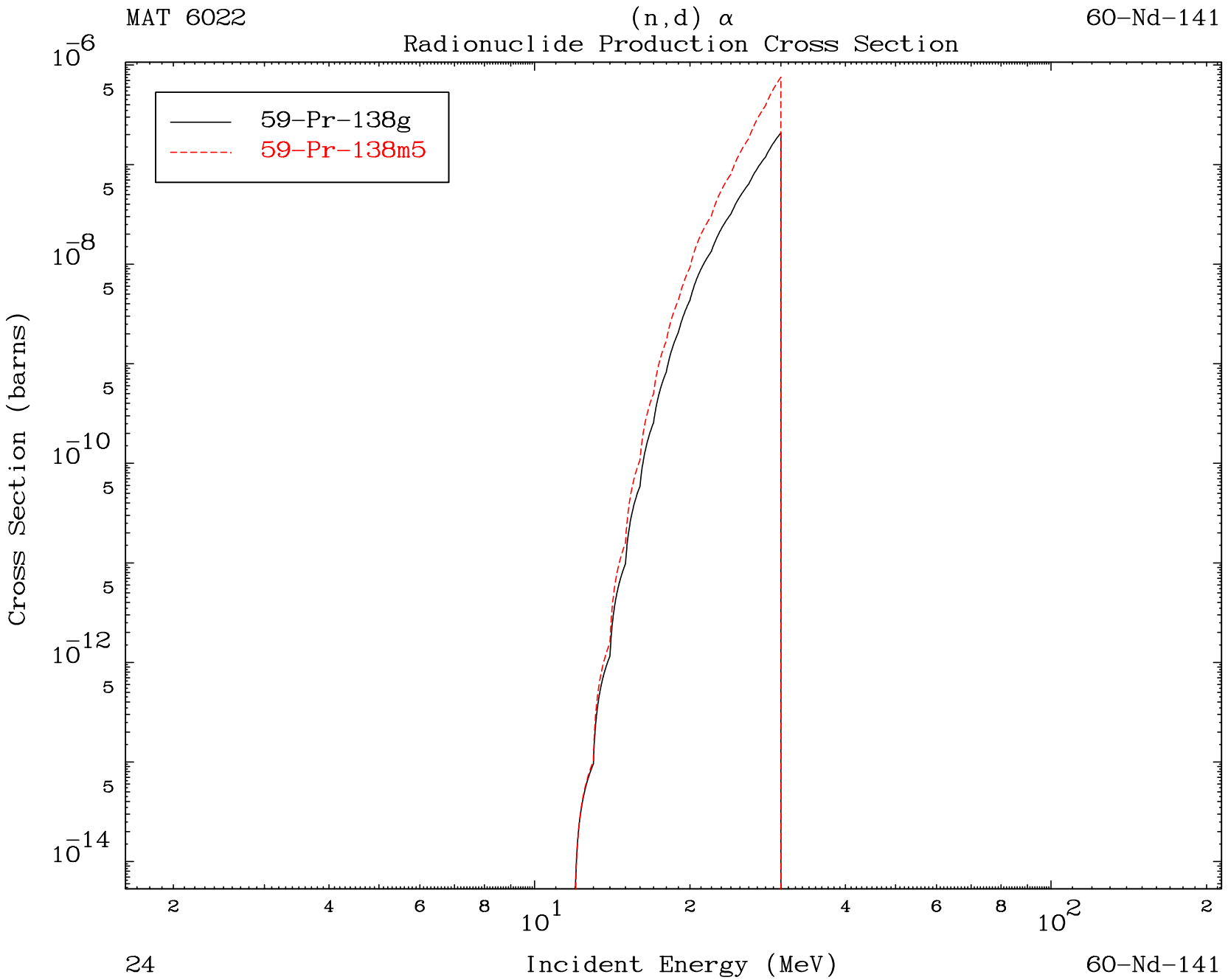

MAT 6022
(n,3n) p
60-Nd-141
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
19
60-Nd-141


MAT 6022
(n,2n) p
60-Nd-141
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
Incident Energy (MeV)
20
60-Nd-141


MAT 6022
(n,n') p α
60-Nd-141
Radionuclide Production Cross Section
59-Pr-138g
59-Pr-138m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
21
Incident Energy (MeV)
60-Nd-141


MAT 6022
(n,He-3)
60-Nd-141
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
Incident Energy (MeV)
22
60-Nd-141


MAT 6022
(n,p) d
60-Nd-141
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
Incident Energy (MeV)
23
60-Nd-141


MAT 6022
(n,d) α
60-Nd-141
Radionuclide Production Cross Section
59-Pr-138g
59-Pr-138m5
Cross Section (barns)
Incident Energy (MeV)
24
60-Nd-141