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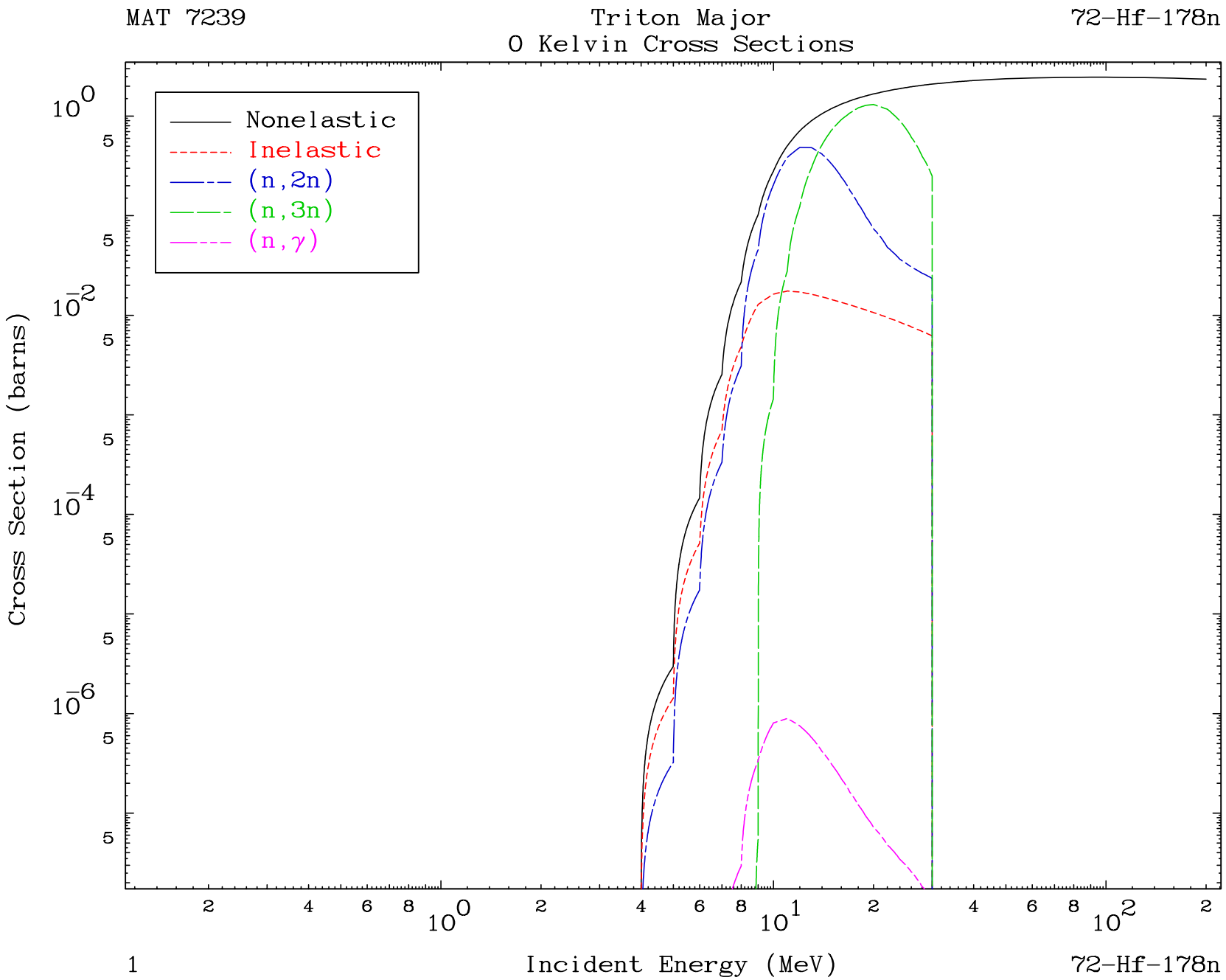
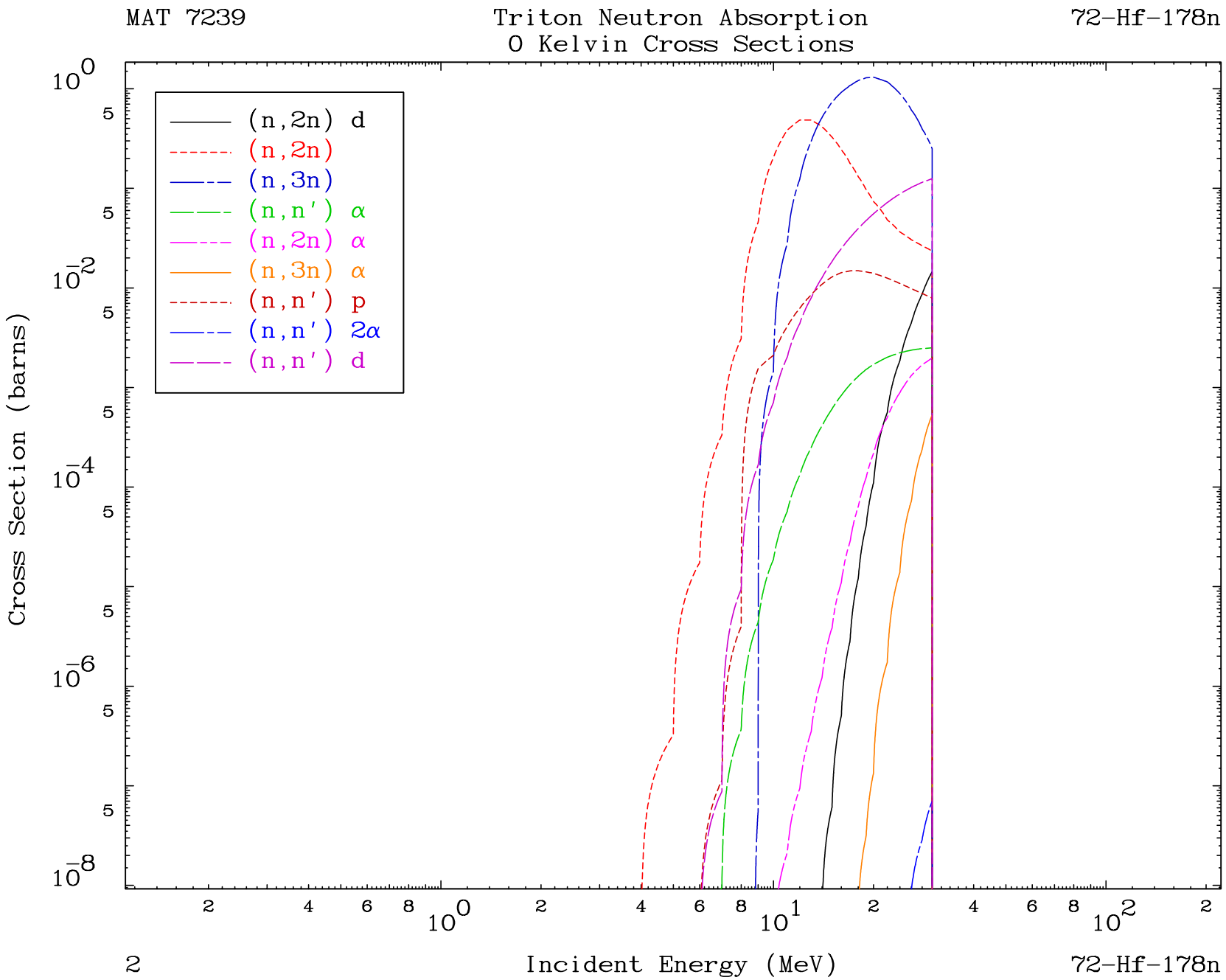
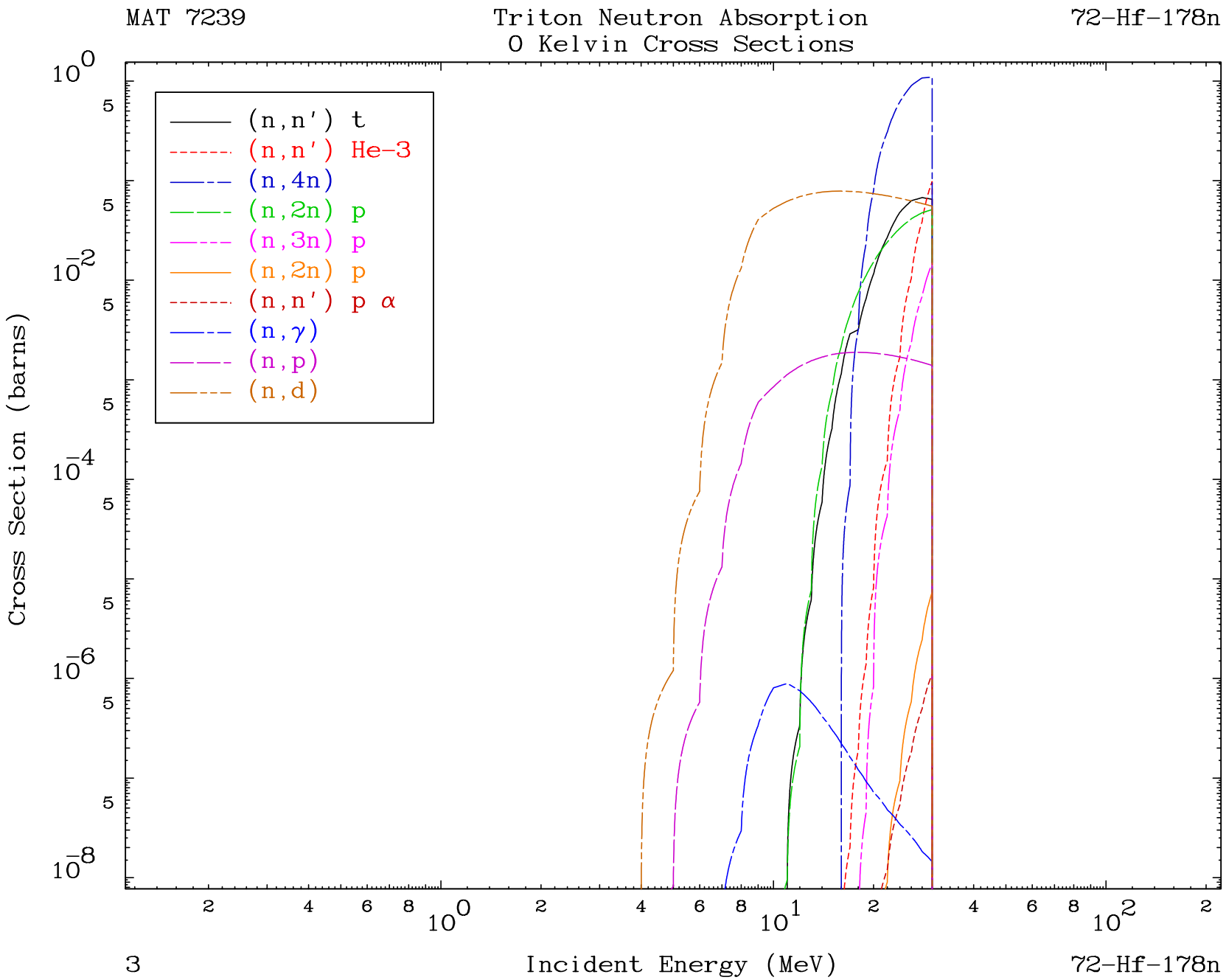
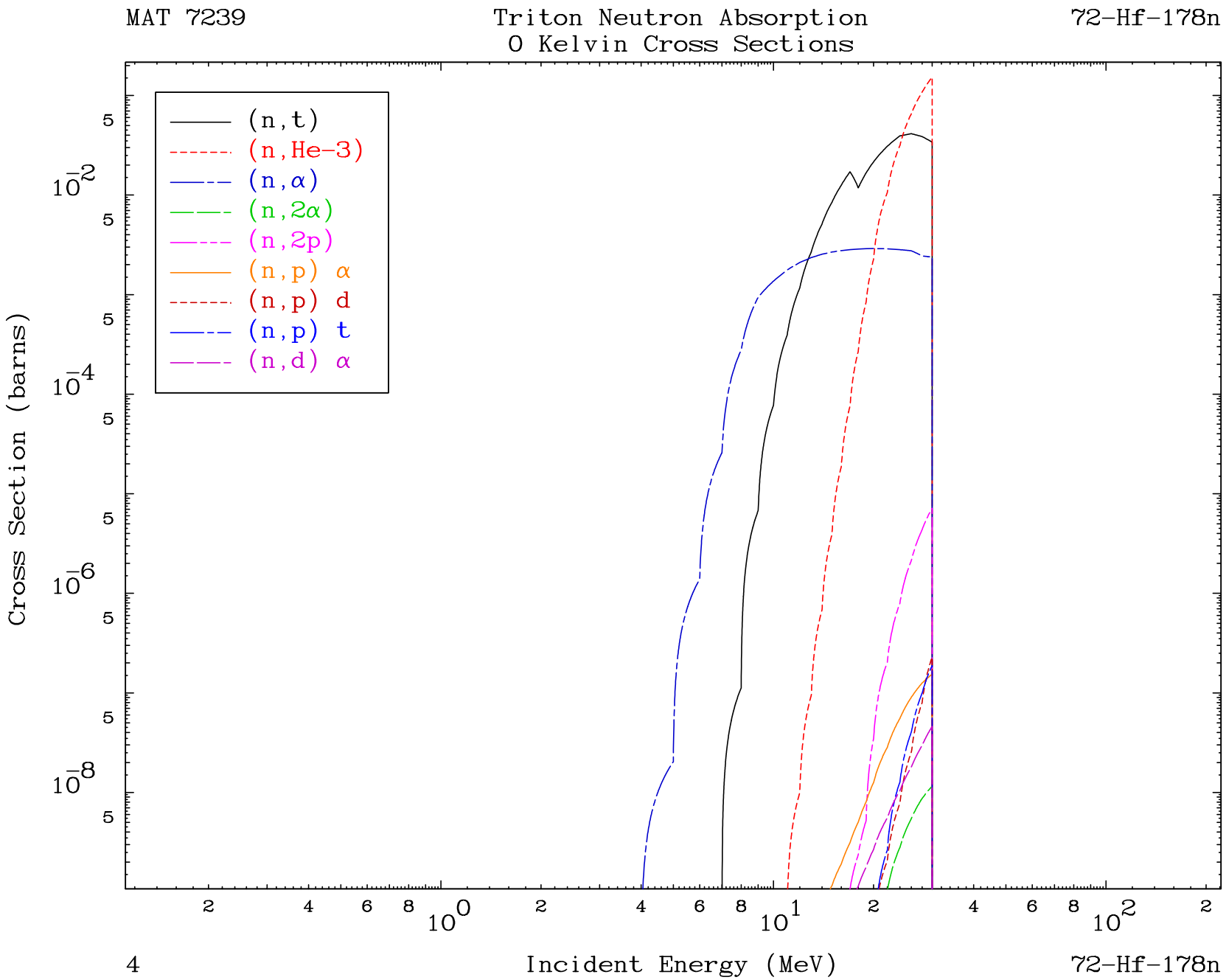
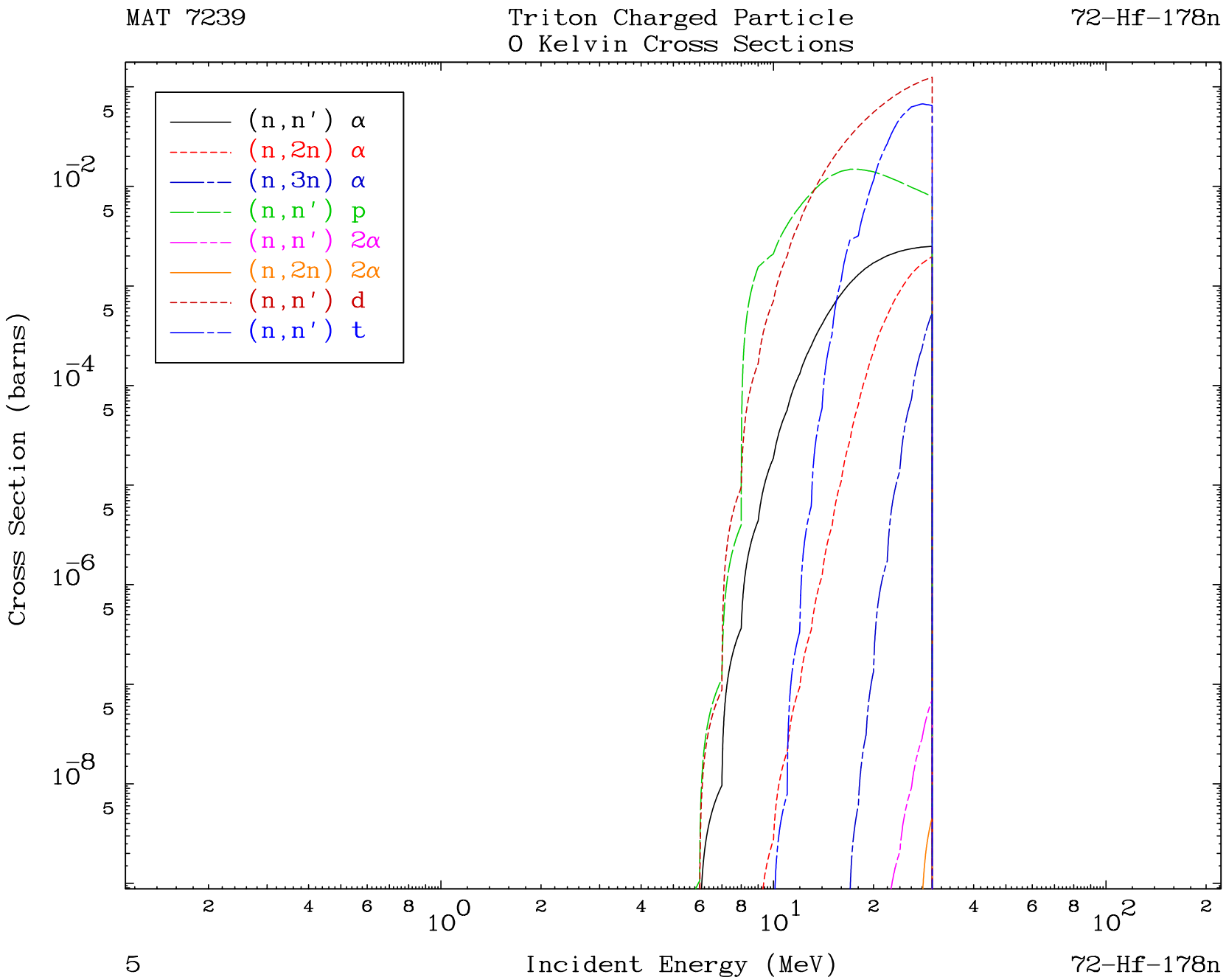
Press Mouse Button to Start

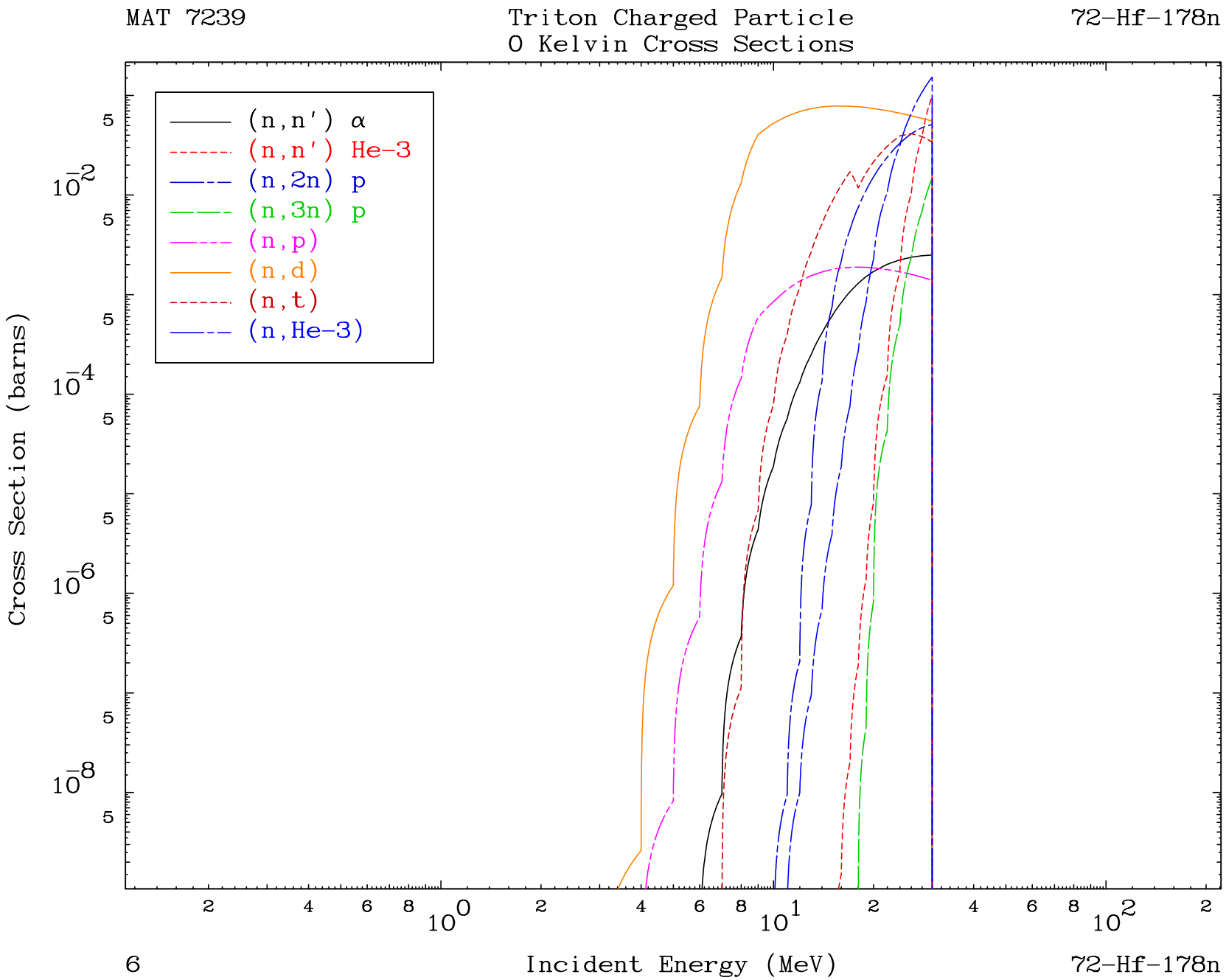

MAT 7239
Triton Major
72-Hf-178n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178n
1

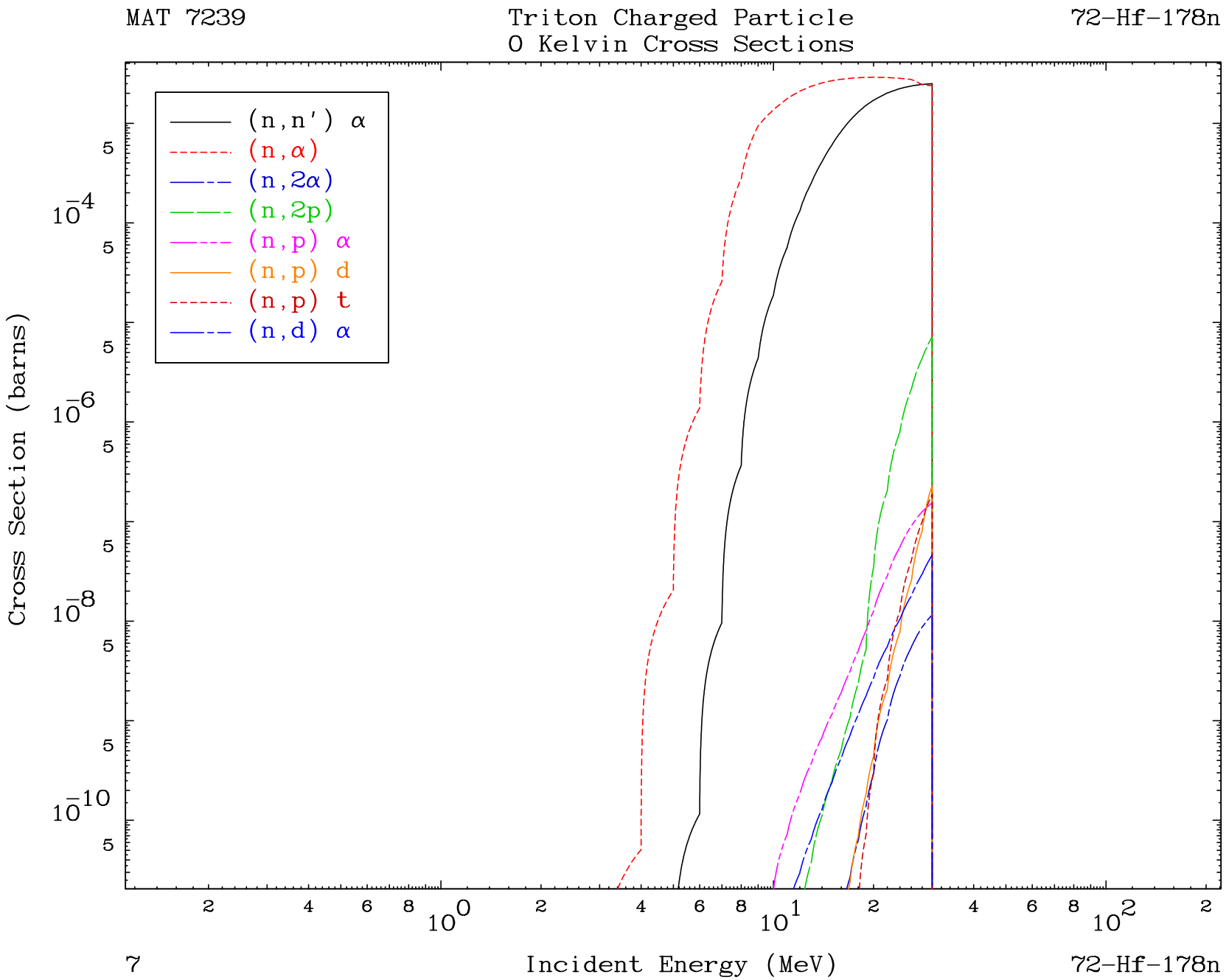

MAT 7239
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-178n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178n
2


MAT 7239
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-178n
(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
72-Hf-178n

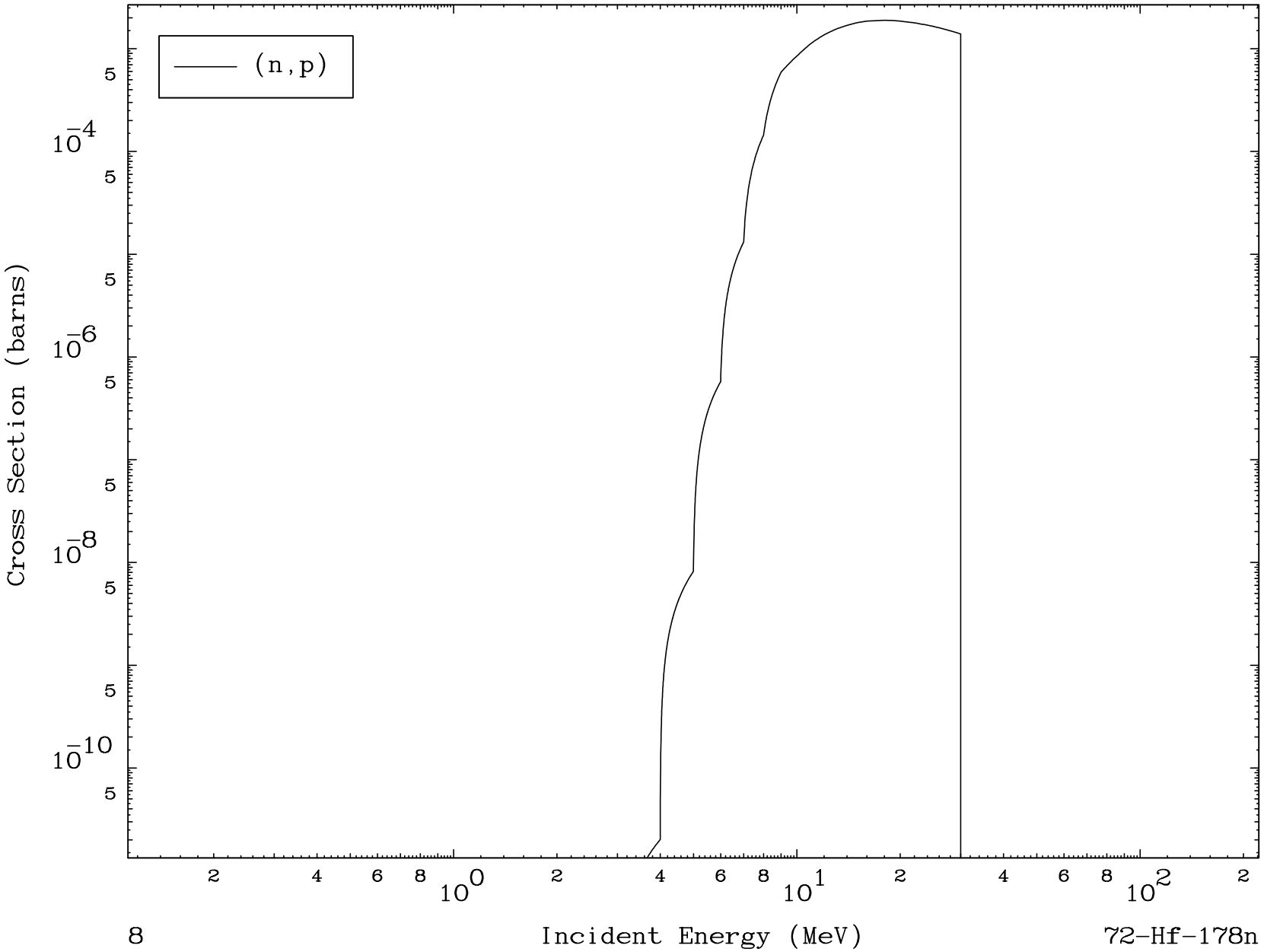

MAT 7239
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-178n
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178n
4

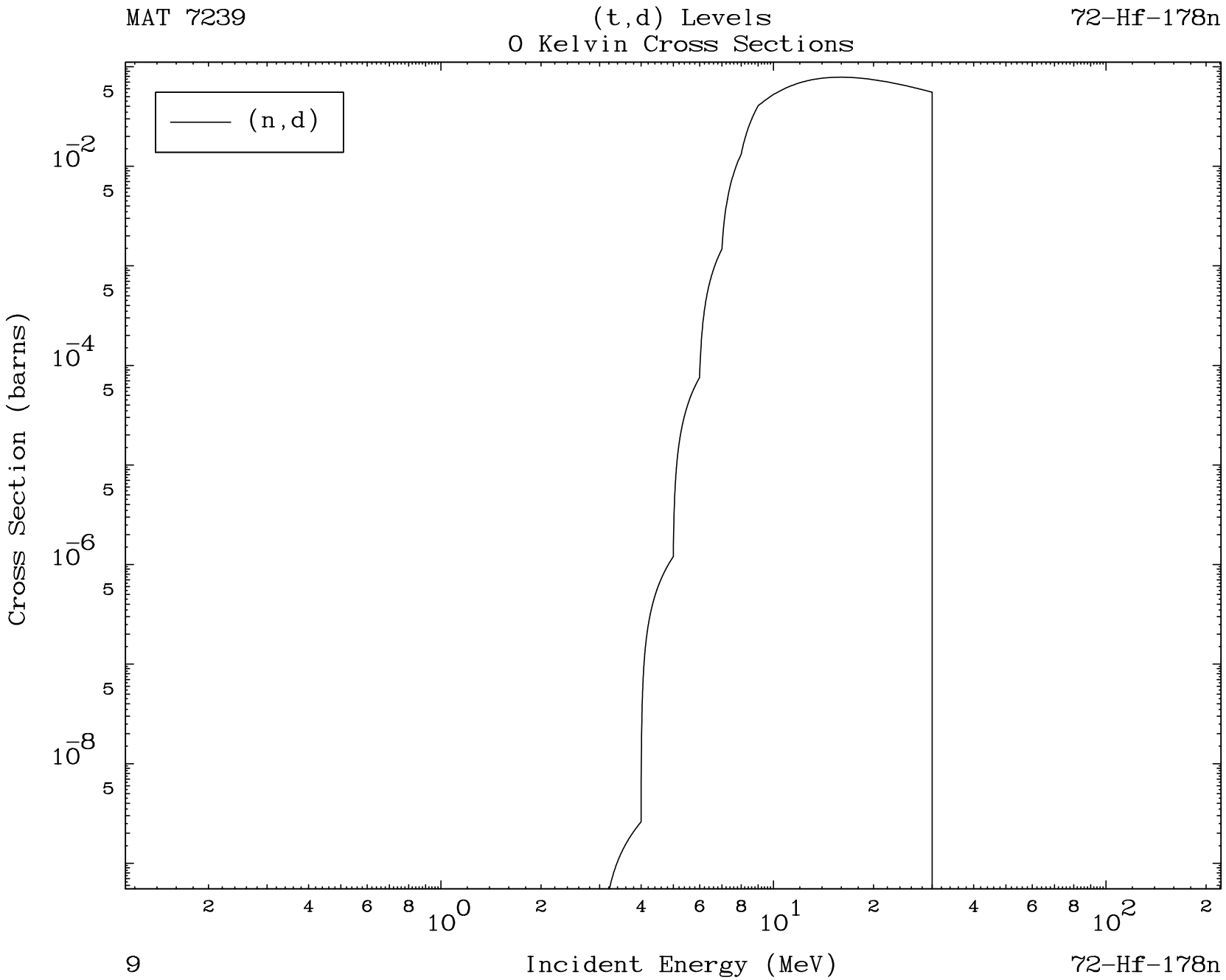

MAT 7239
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-178n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178n
5

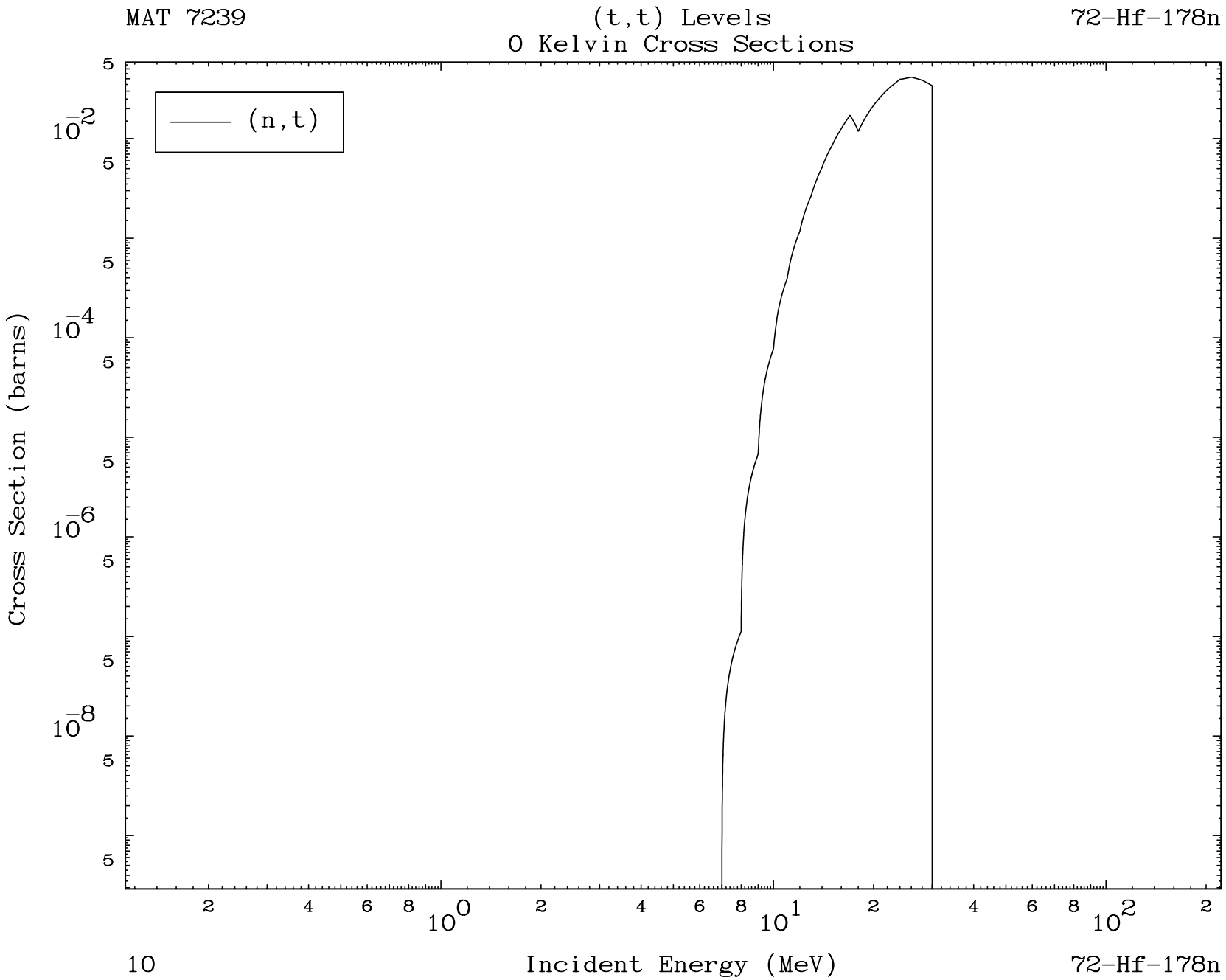

MAT 7239
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-178n
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
72-Hf-178n

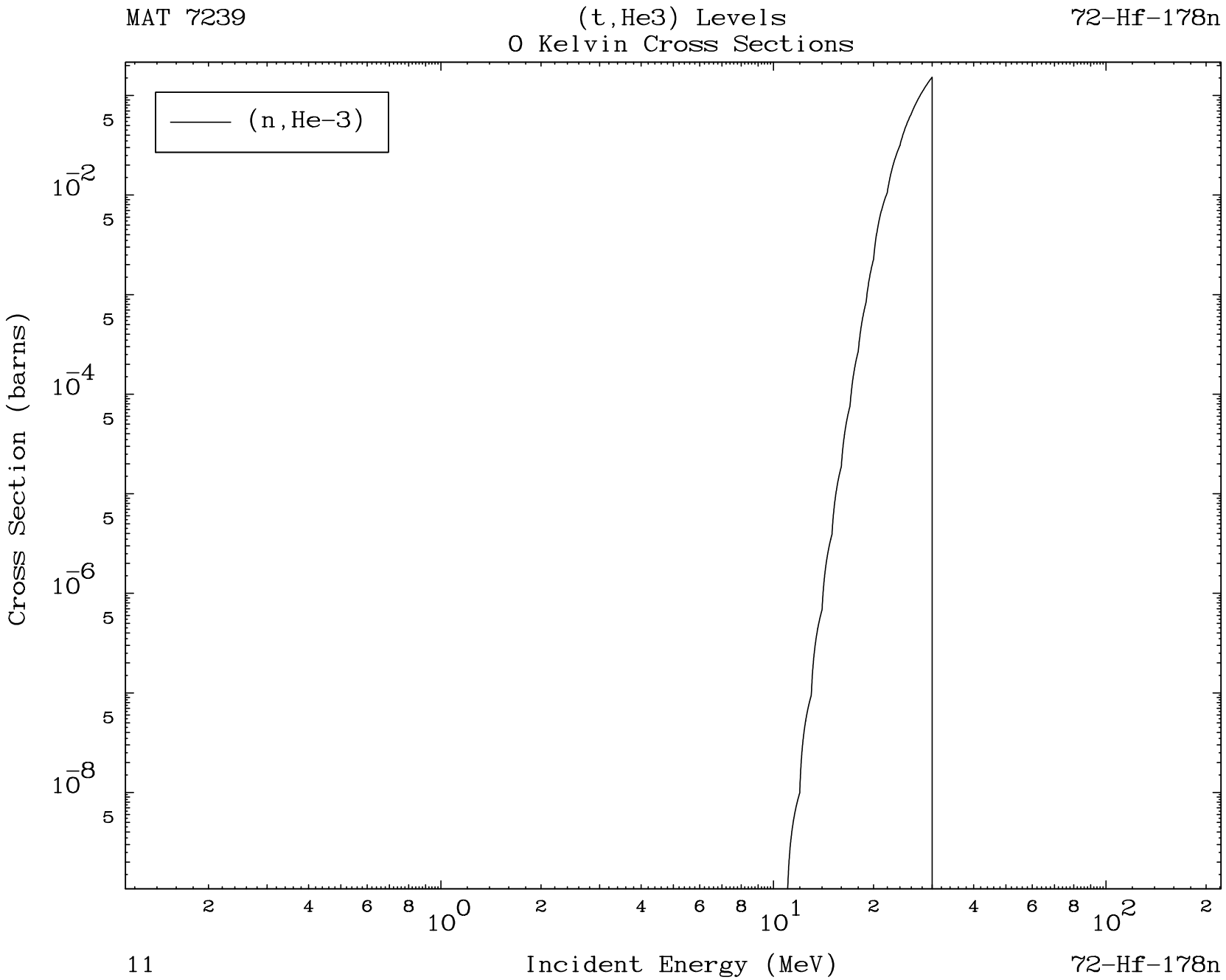

MAT 7239
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-178n
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
72-Hf-178n

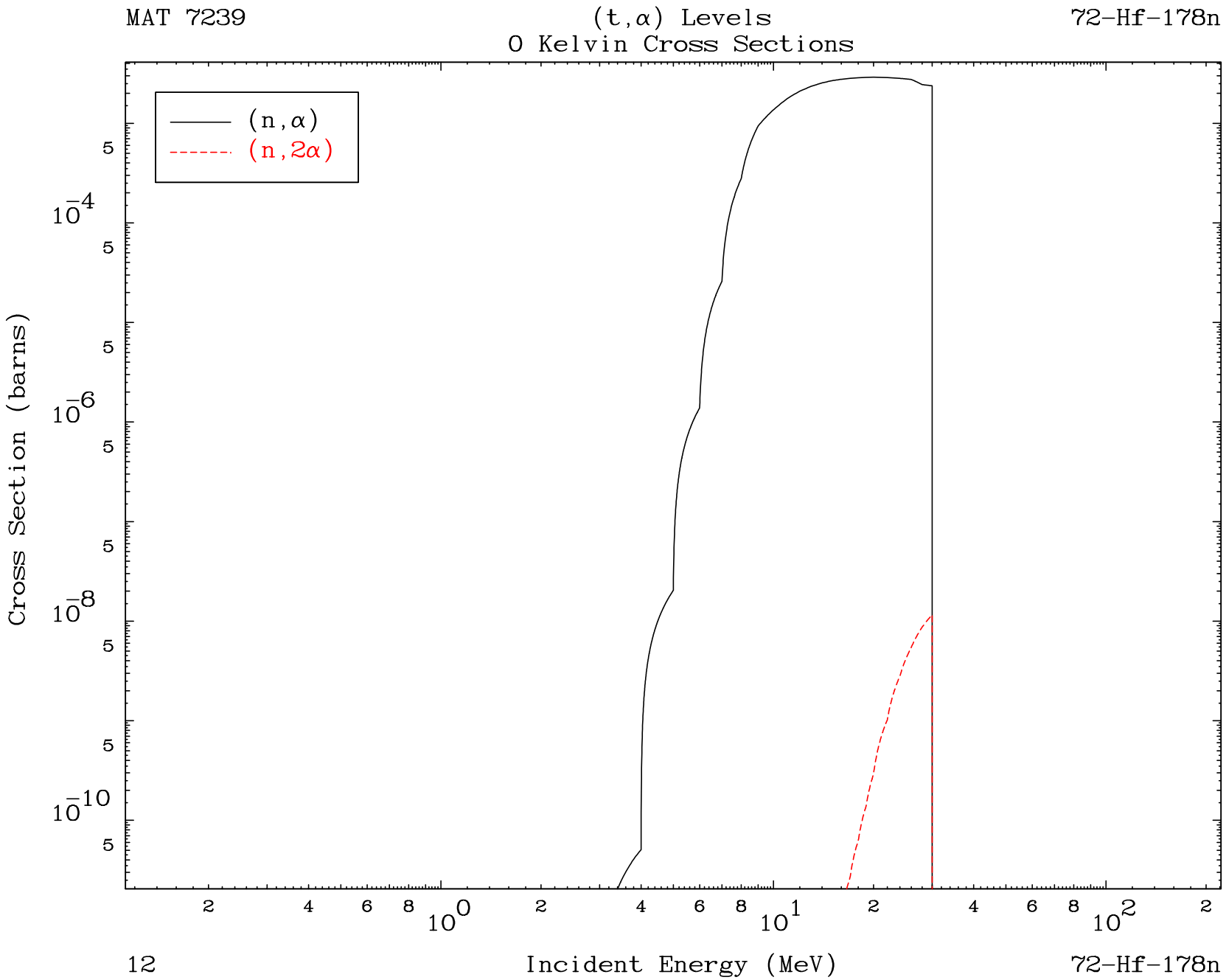
0 Kelvin Cross Sections

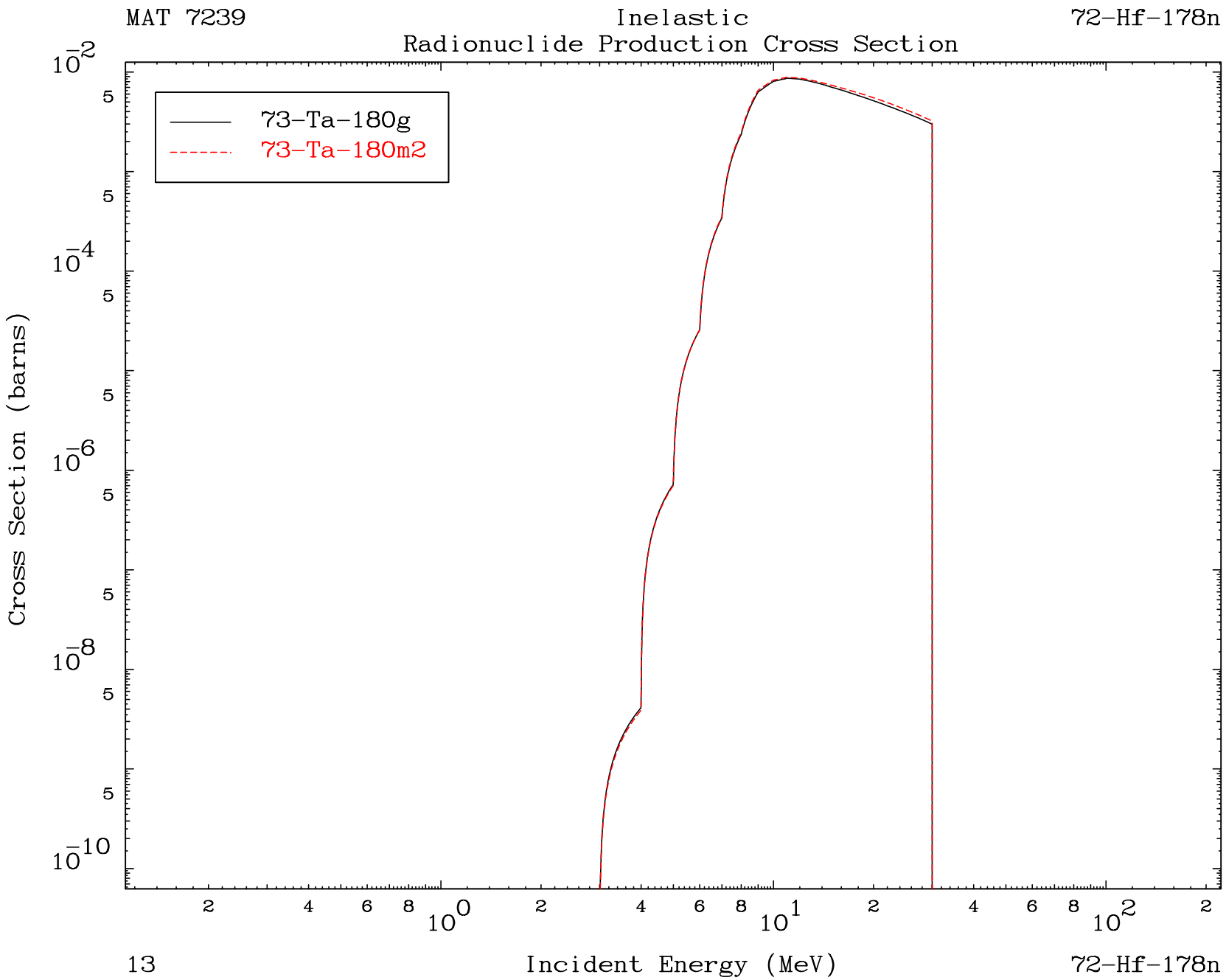


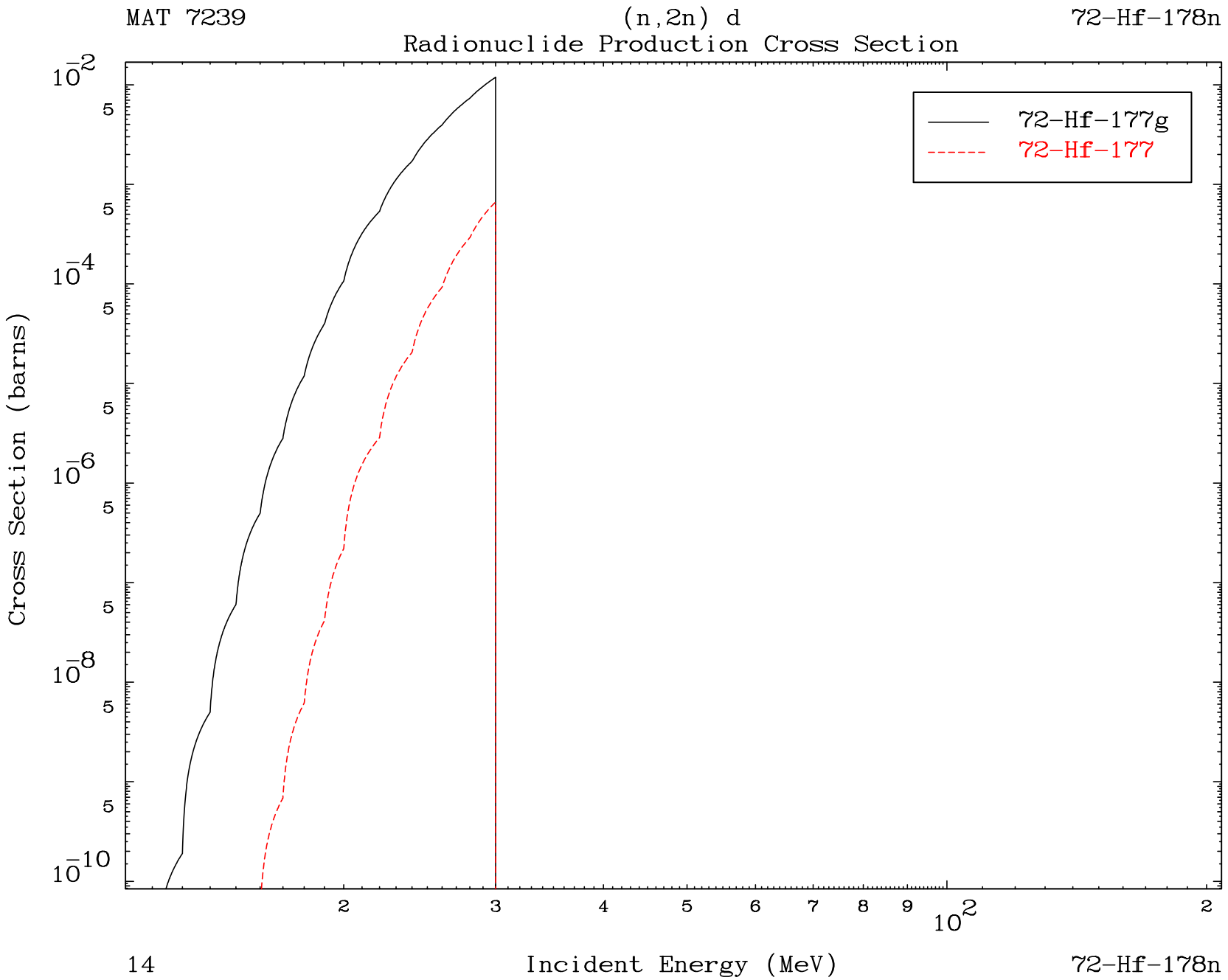

MAT 7239
(t,d) Levels
72-Hf-178n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
72-Hf-178n

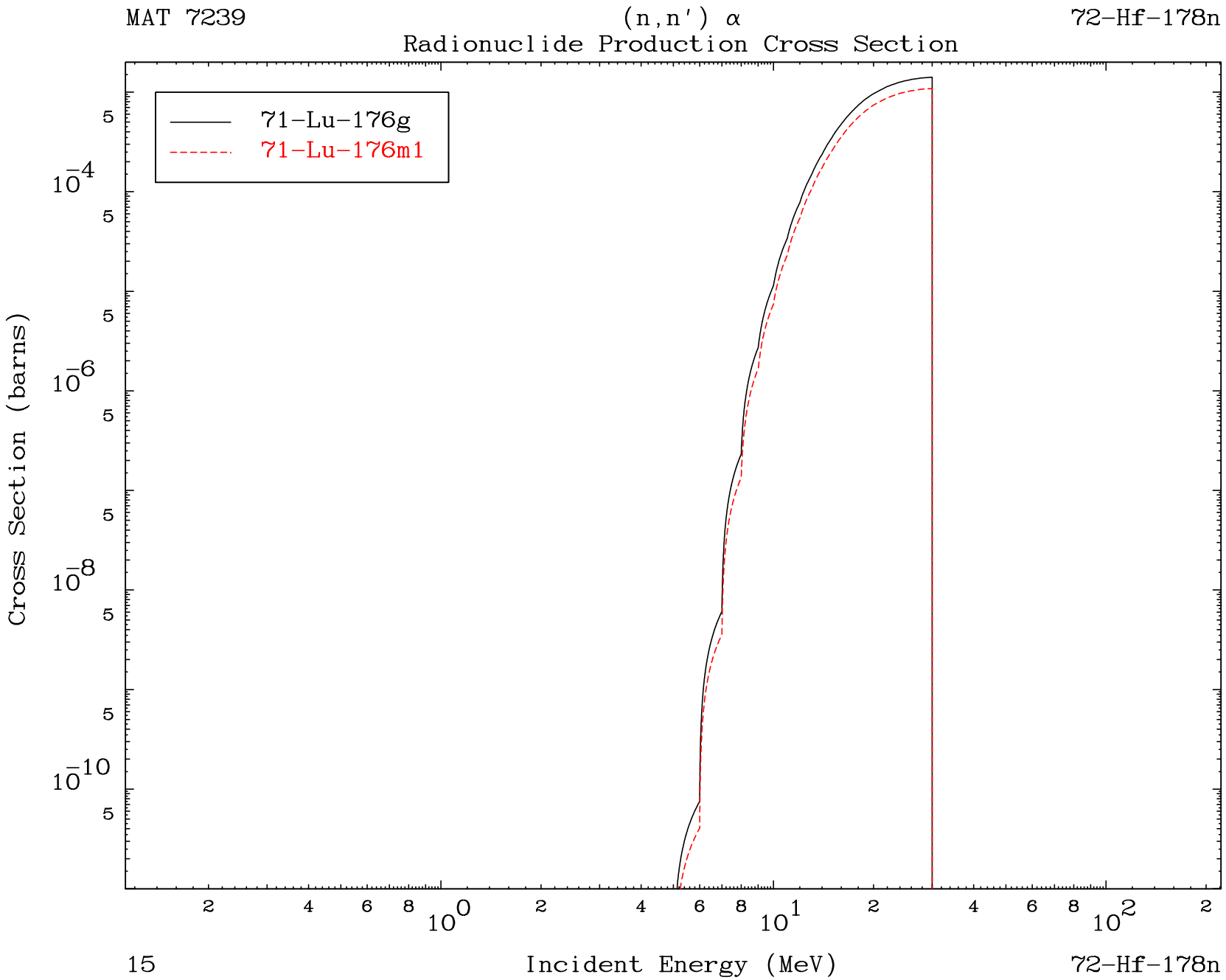

MAT 7239
(t,t) Levels
72-Hf-178n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-178n

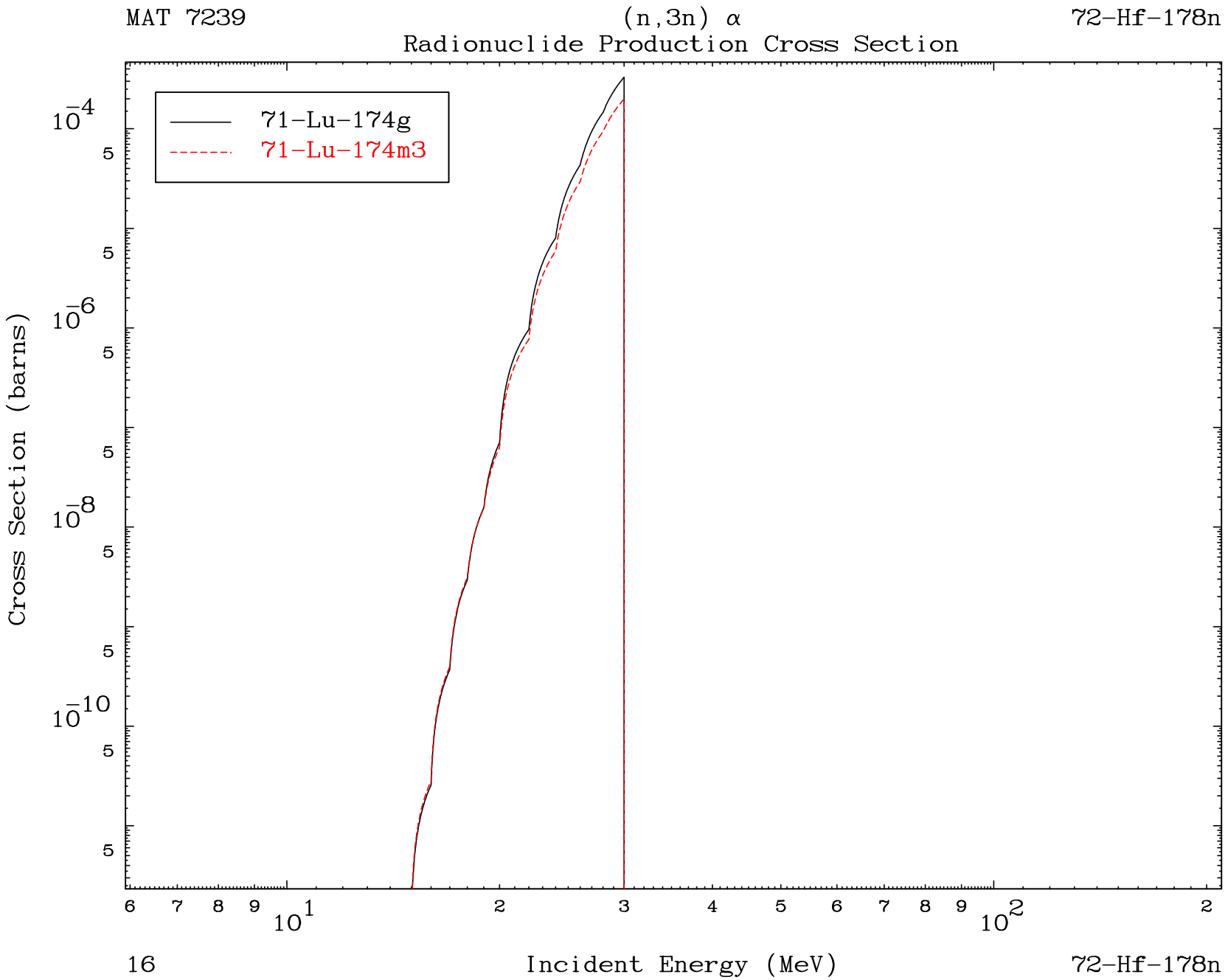

MAT 7239
(t,He3) Levels
0 Kelvin Cross Sections
72-Hf-178n
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
11
72-Hf-178n

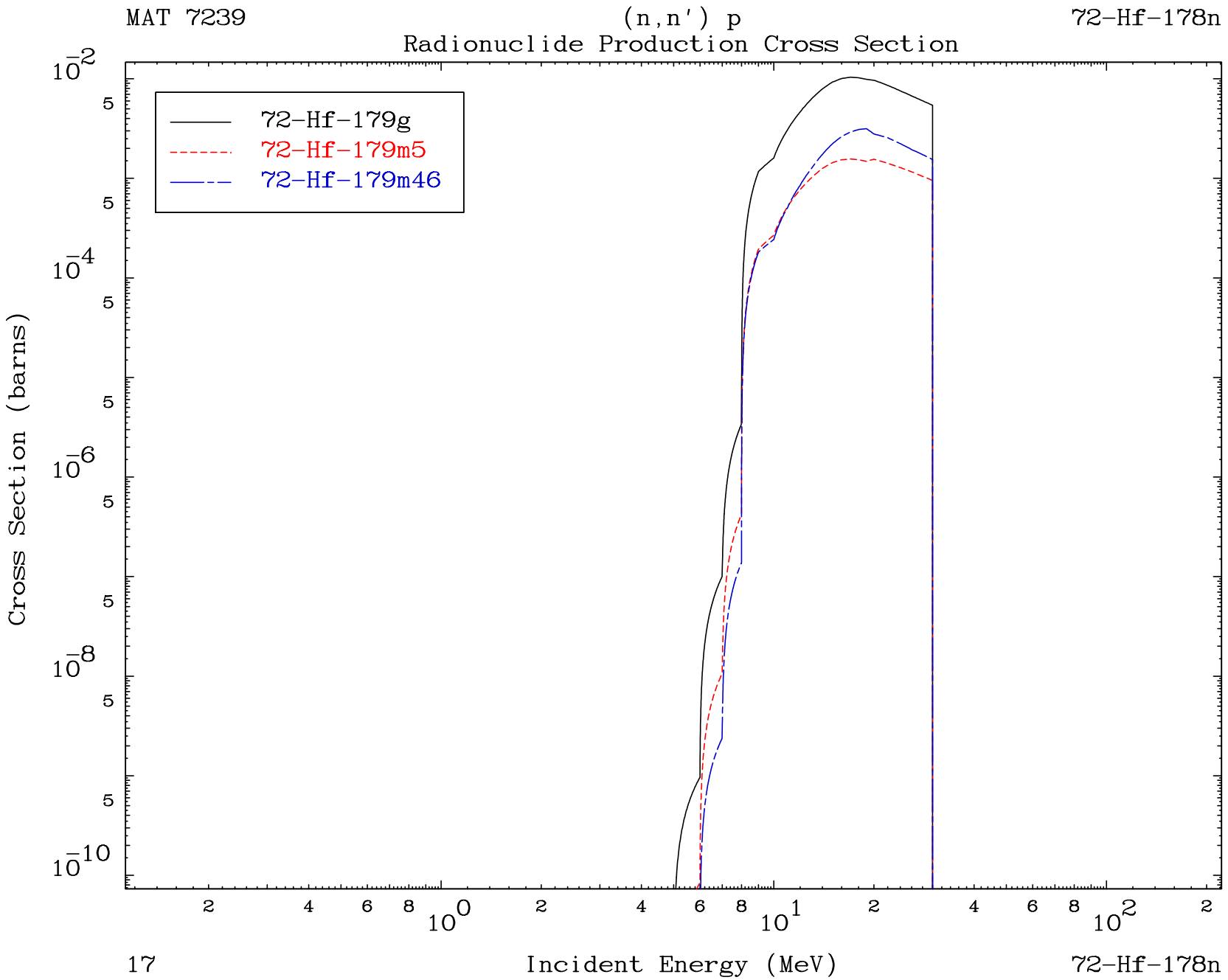

MAT 7239
(t,α) Levels
72-Hf-178n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
72-Hf-178n

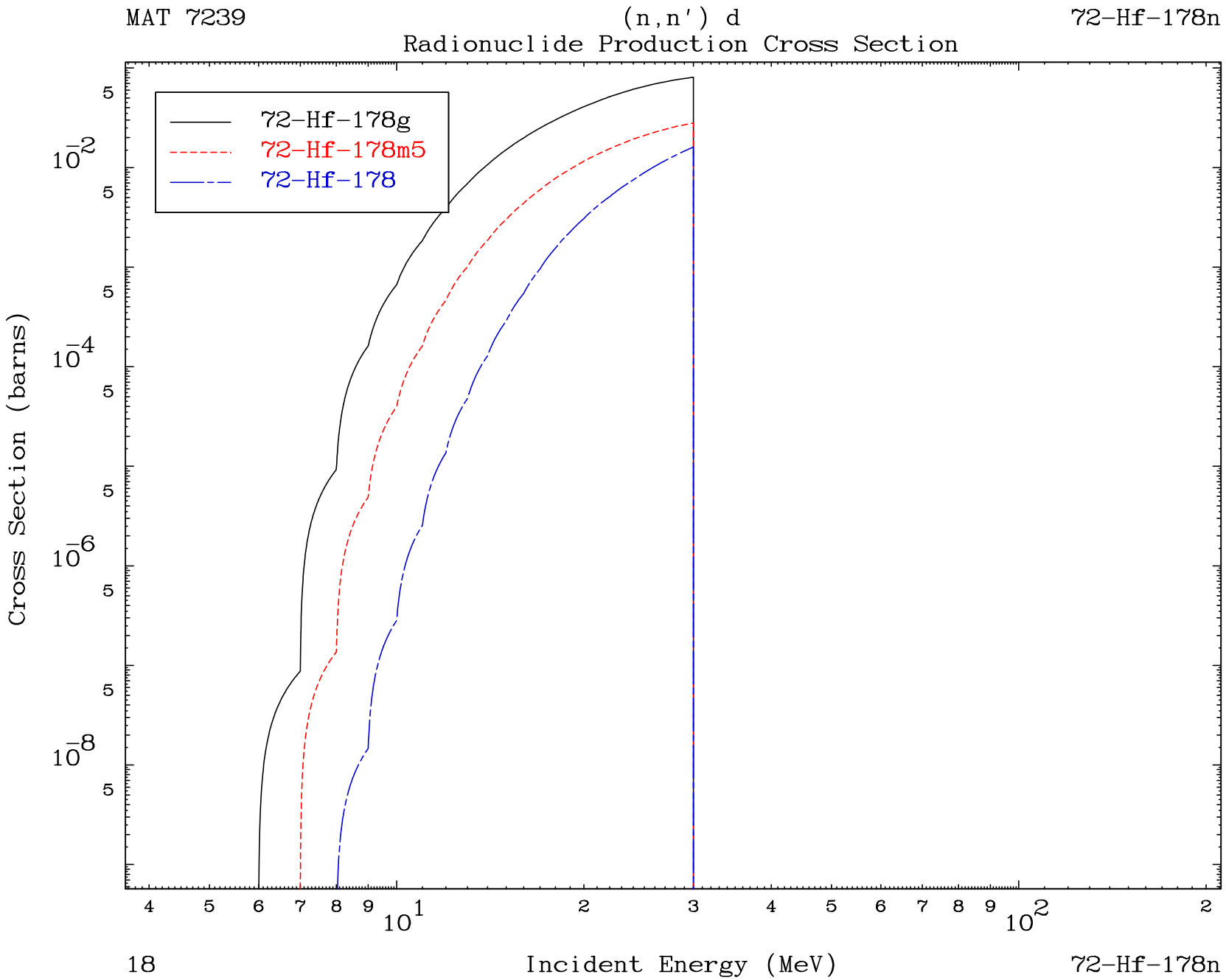

MAT 7239
Inelastic
72-Hf-178n
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
13
72-Hf-178n

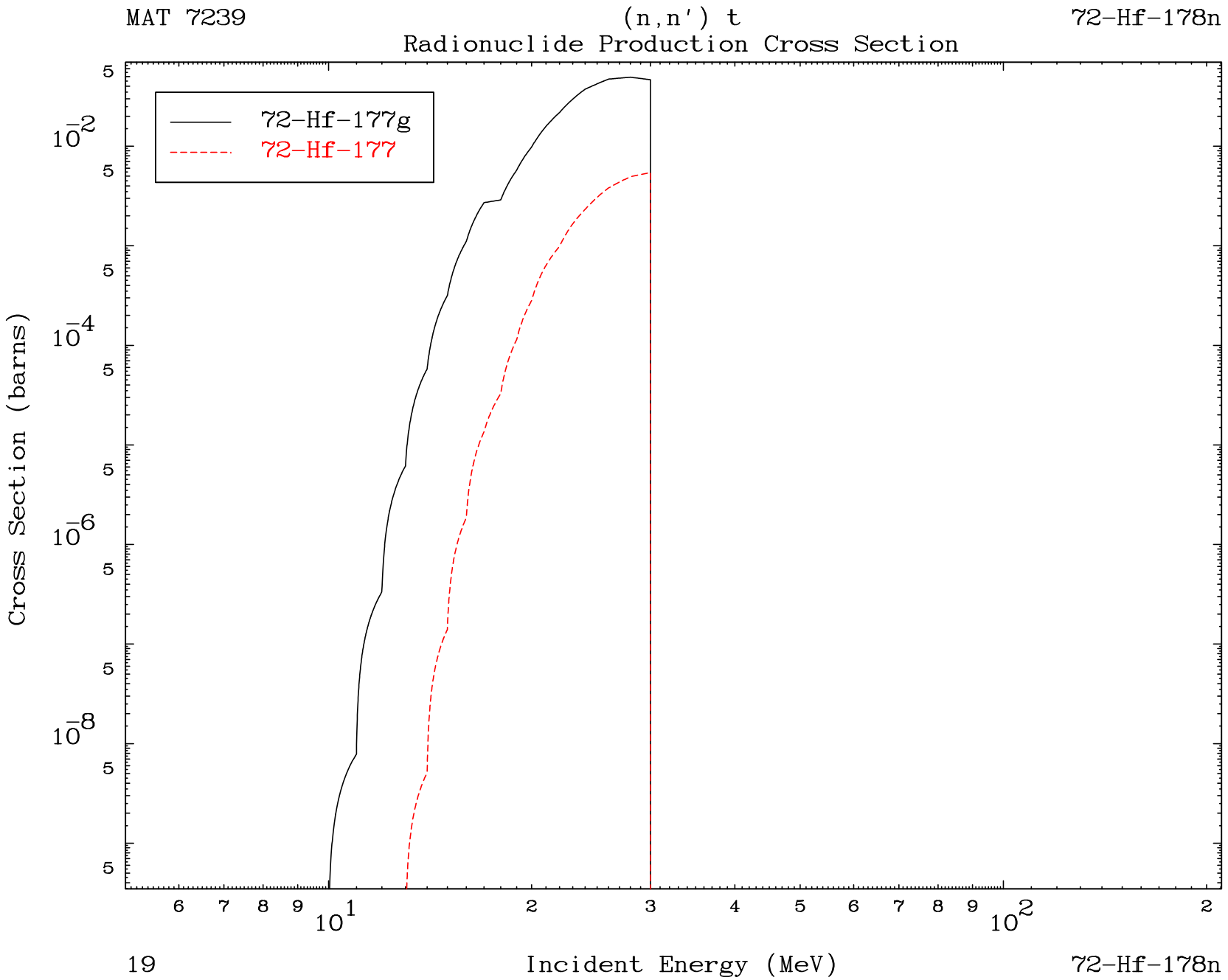

MAT 7239
(n,2n) d
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177
Cross Section (barns)
Incident Energy (MeV)
14
72-Hf-178n

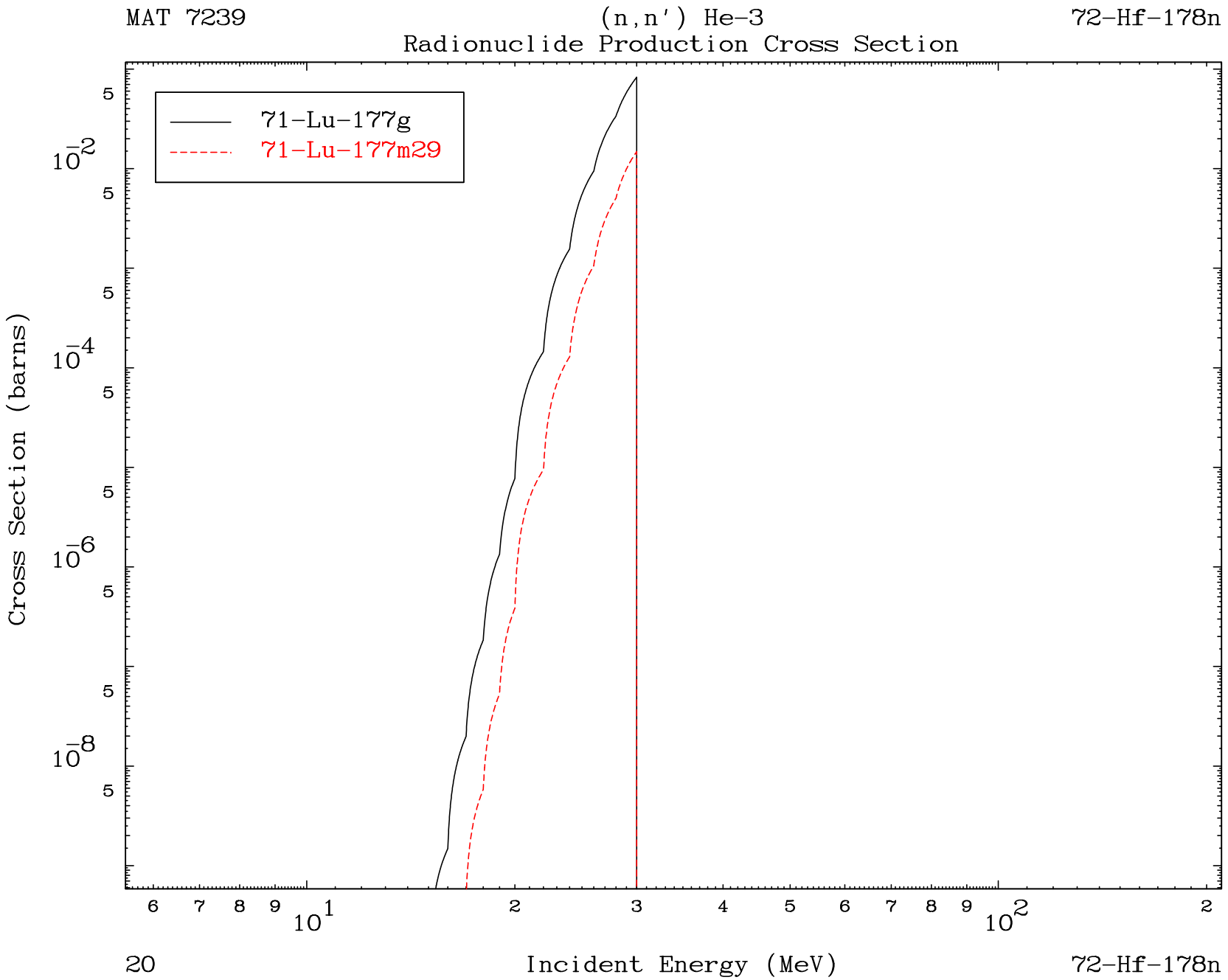

MAT 7239
(n,n') α
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
Incident Energy (MeV)
15
72-Hf-178n

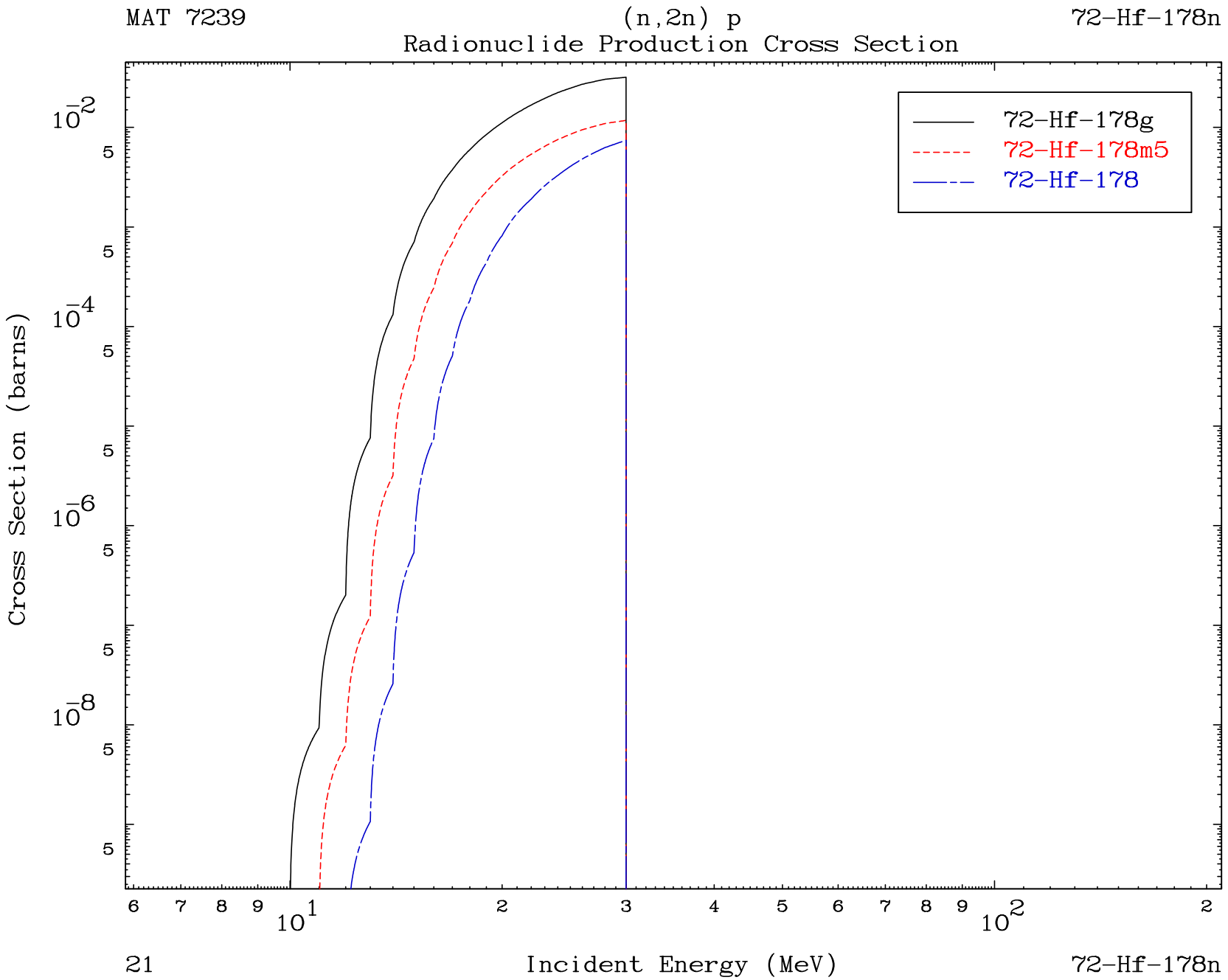

MAT 7239
(n,3n) α
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
Incident Energy (MeV)
16
72-Hf-178n

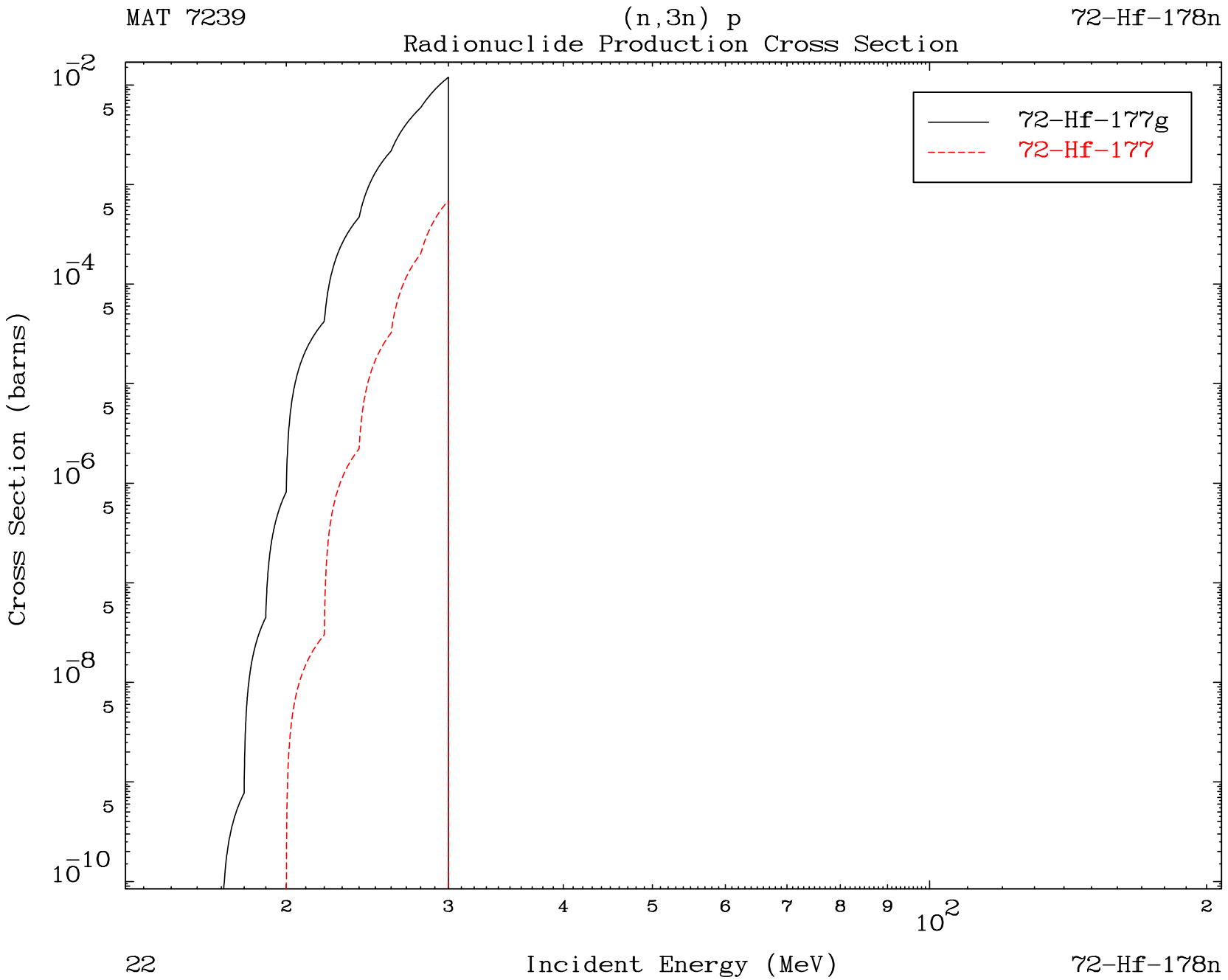

MAT 7239
(n,n') p
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
17
72-Hf-178n

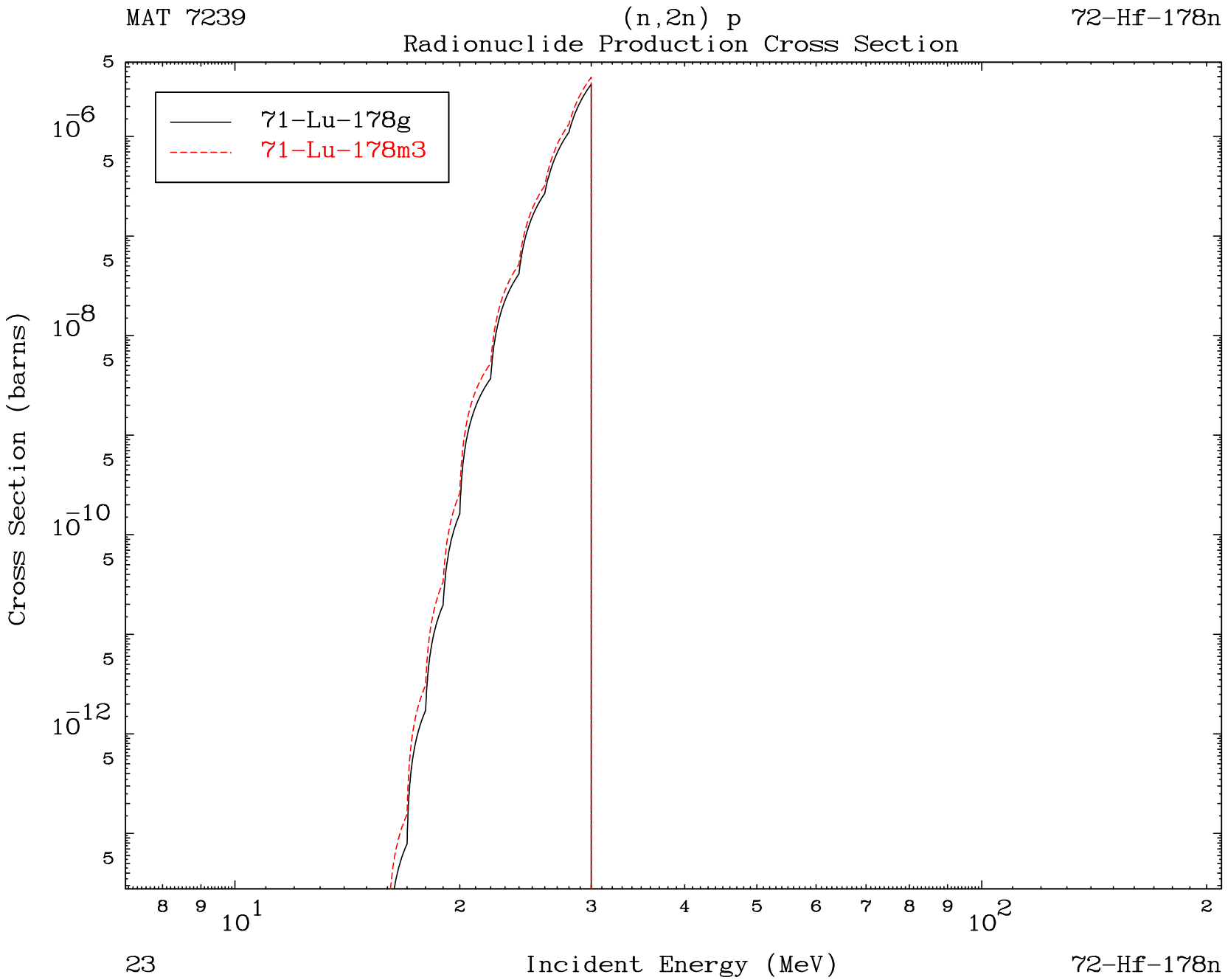

MAT 7239
(n,n') d
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
18
72-Hf-178n

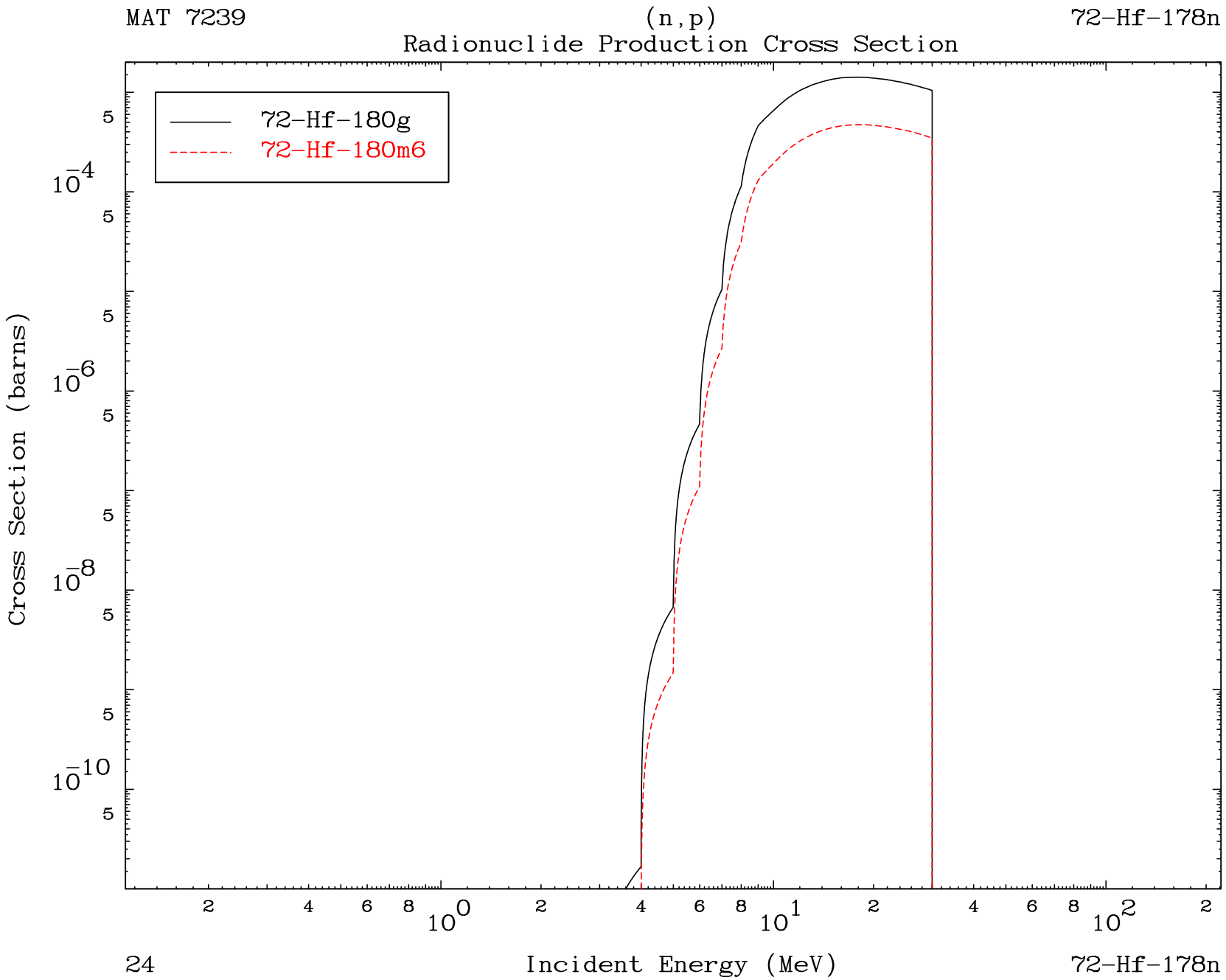

MAT 7239
(n,n') t
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177
Cross Section (barns)
Incident Energy (MeV)
19
72-Hf-178n

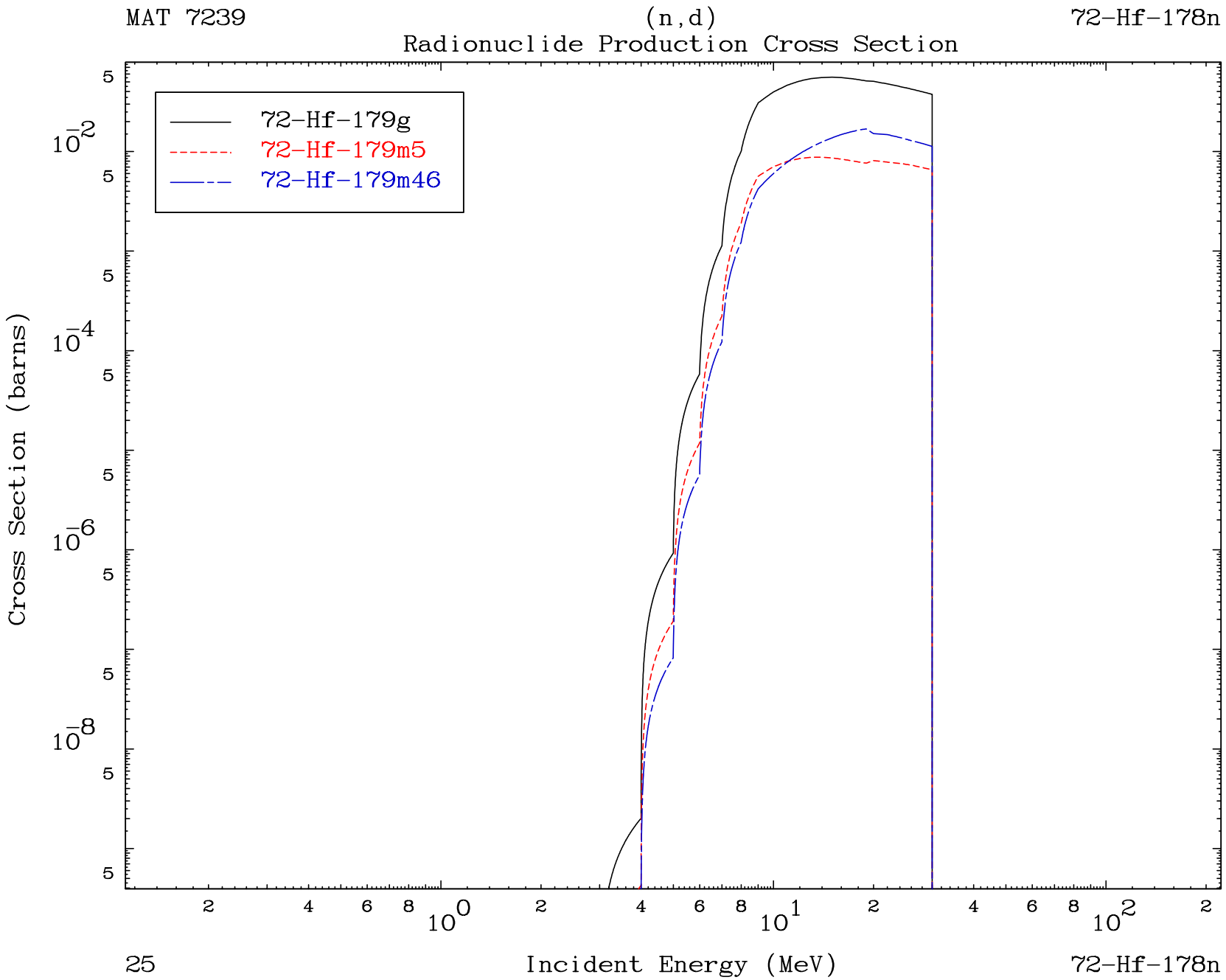

MAT 7239
(n,n') He-3
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
20
72-Hf-178n

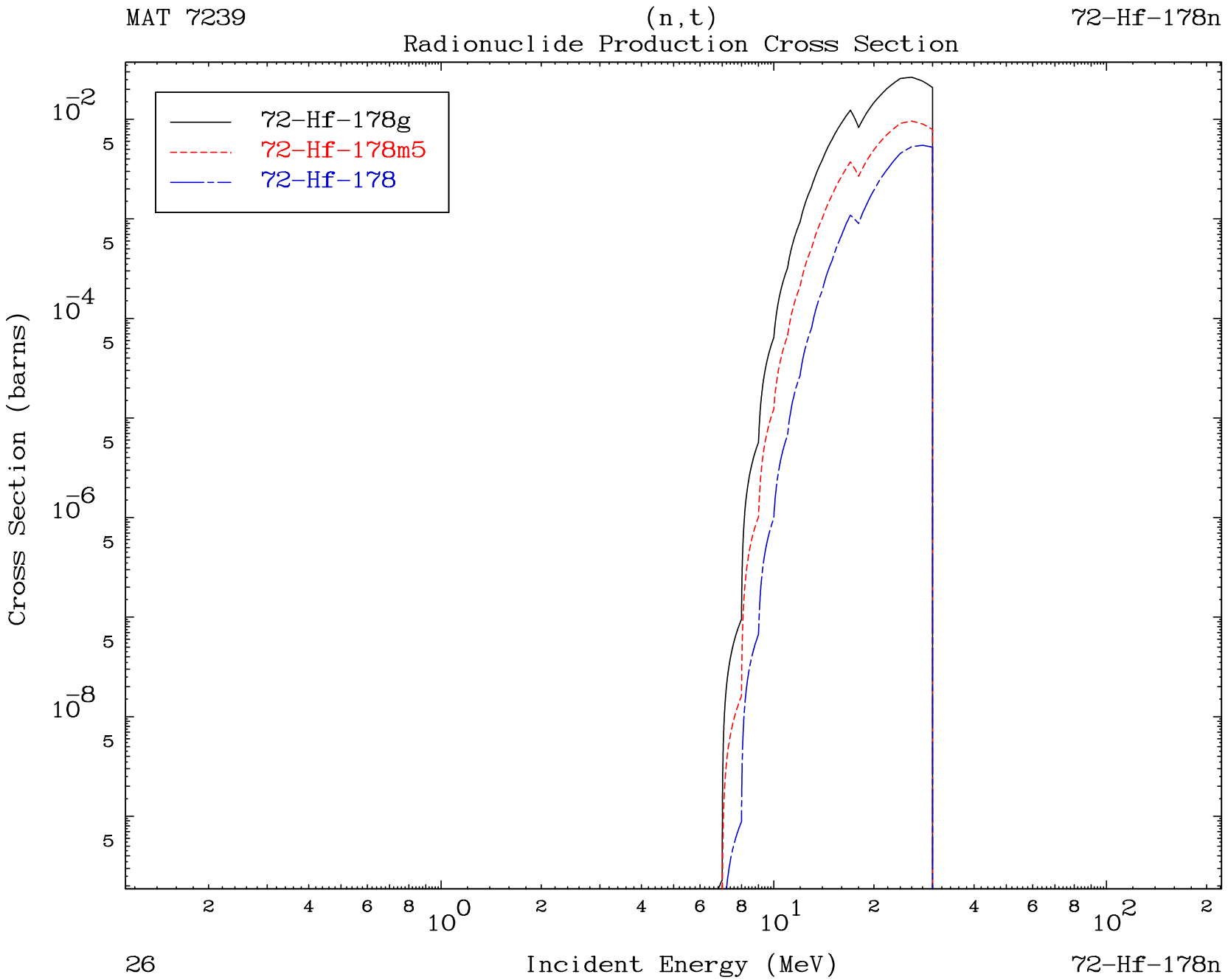

MAT 7239
(n,2n) p
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
21
72-Hf-178n

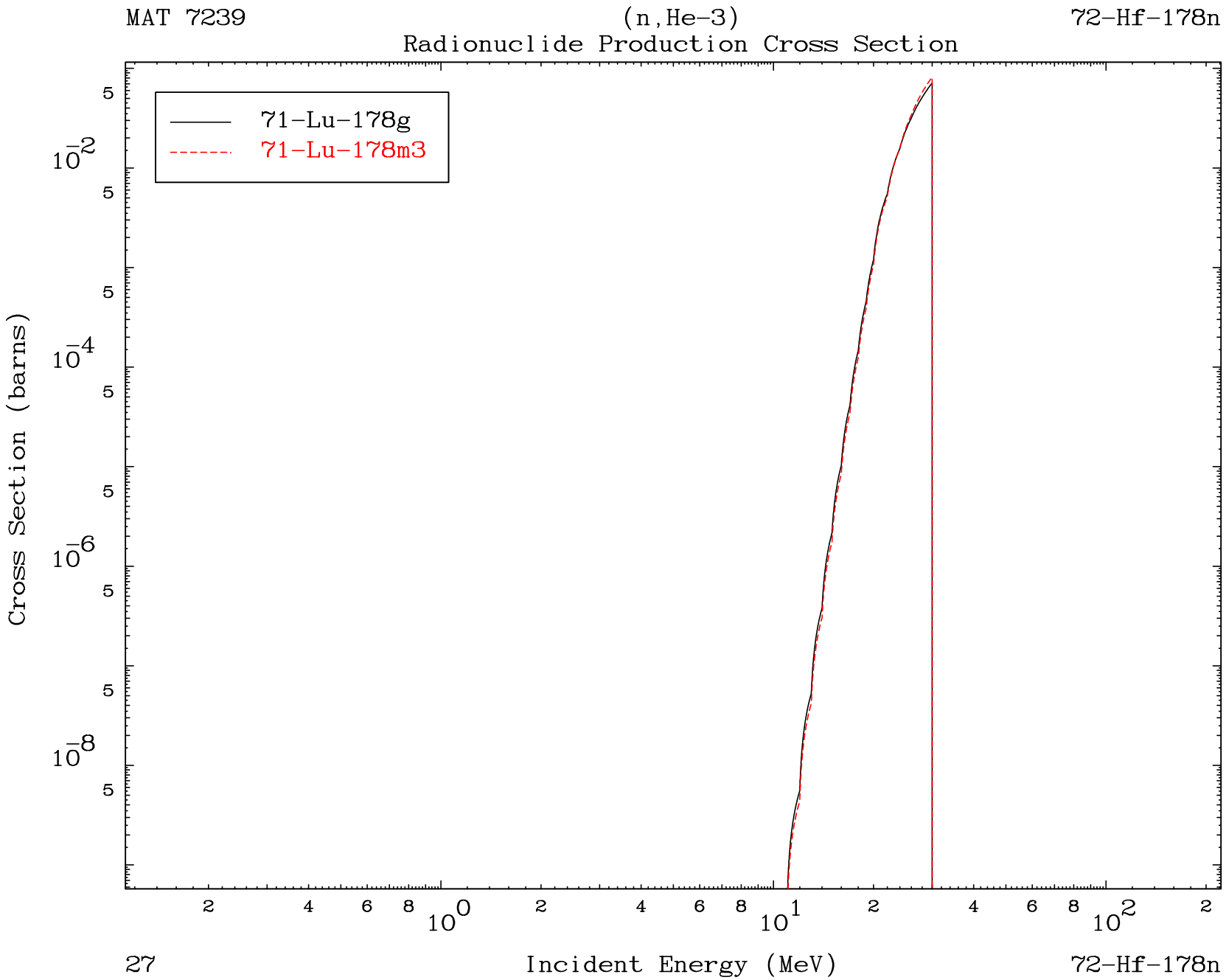

MAT 7239
(n,3n) p
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177
Cross Section (barns)
Incident Energy (MeV)
22
72-Hf-178n

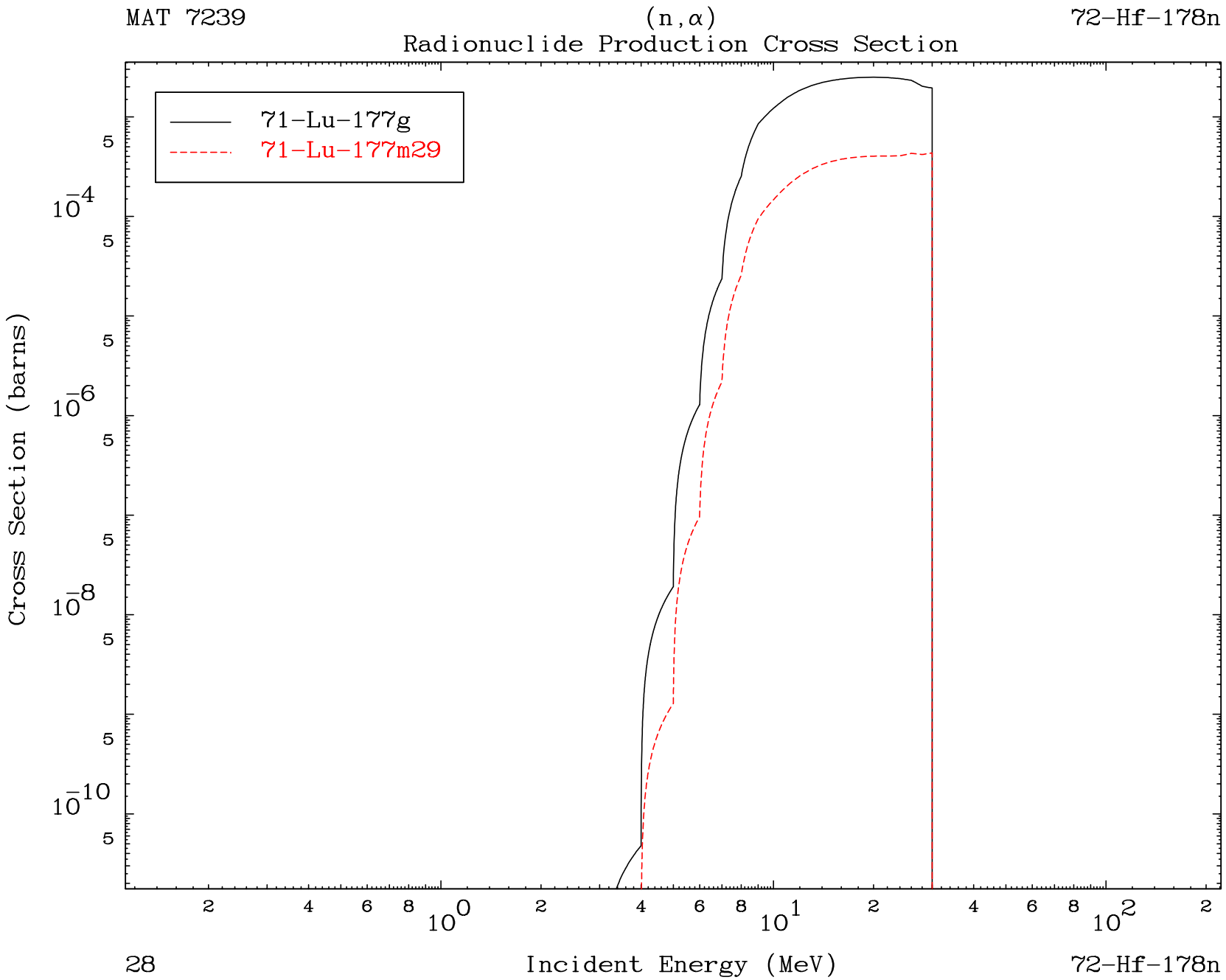

MAT 7239
(n,2n) p
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
23
72-Hf-178n

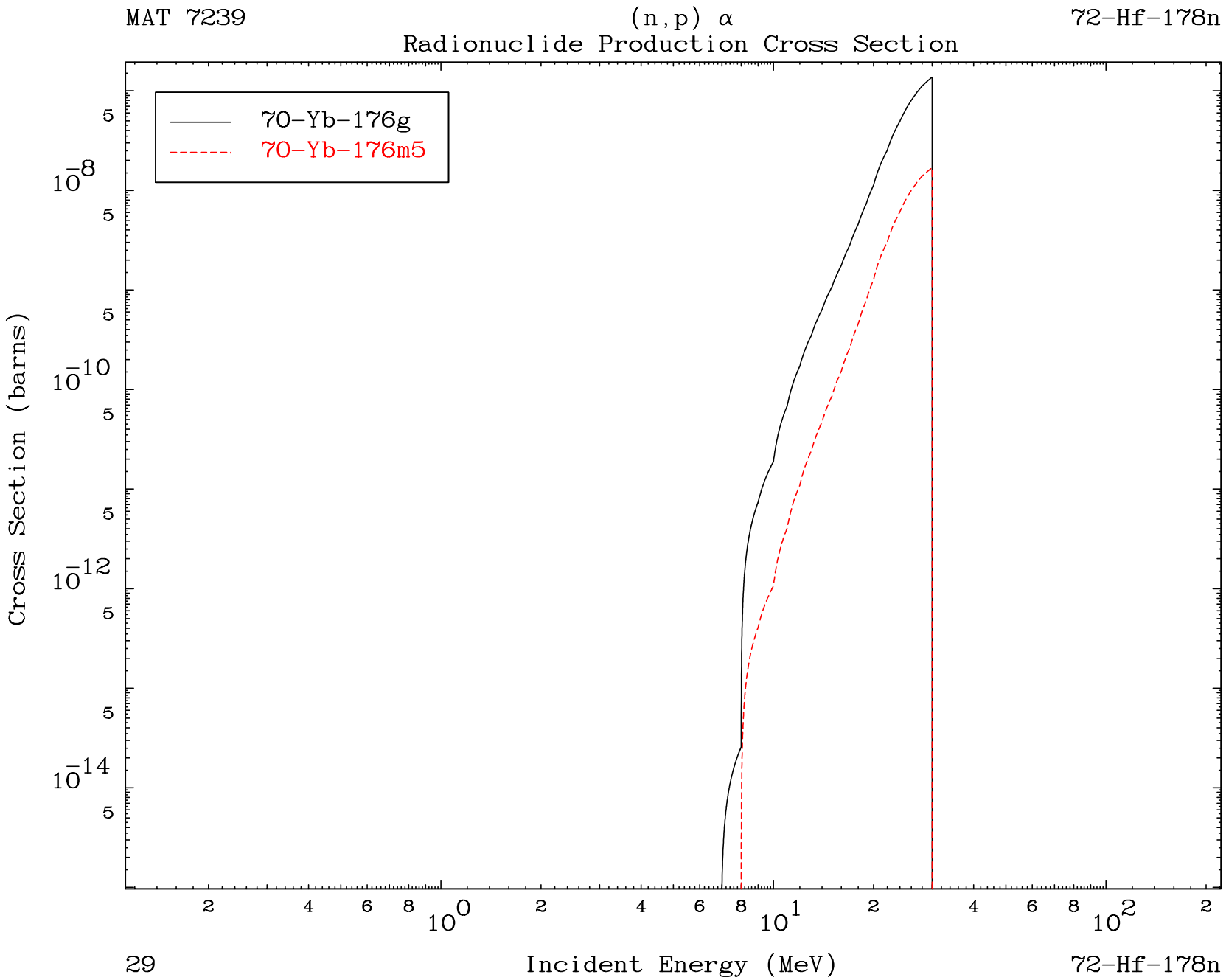

MAT 7239
(n,p)
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
24
72-Hf-178n


MAT 7239
(n,d)
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
25
72-Hf-178n


MAT 7239
(n,t)
72-Hf-178n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
26
72-Hf-178n


MAT 7239
(n,He-3)
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
27
72-Hf-178n


MAT 7239
(n,α)
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
28
72-Hf-178n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(n,p) α
72-Hf-178n
Radionuclide Production Cross Section
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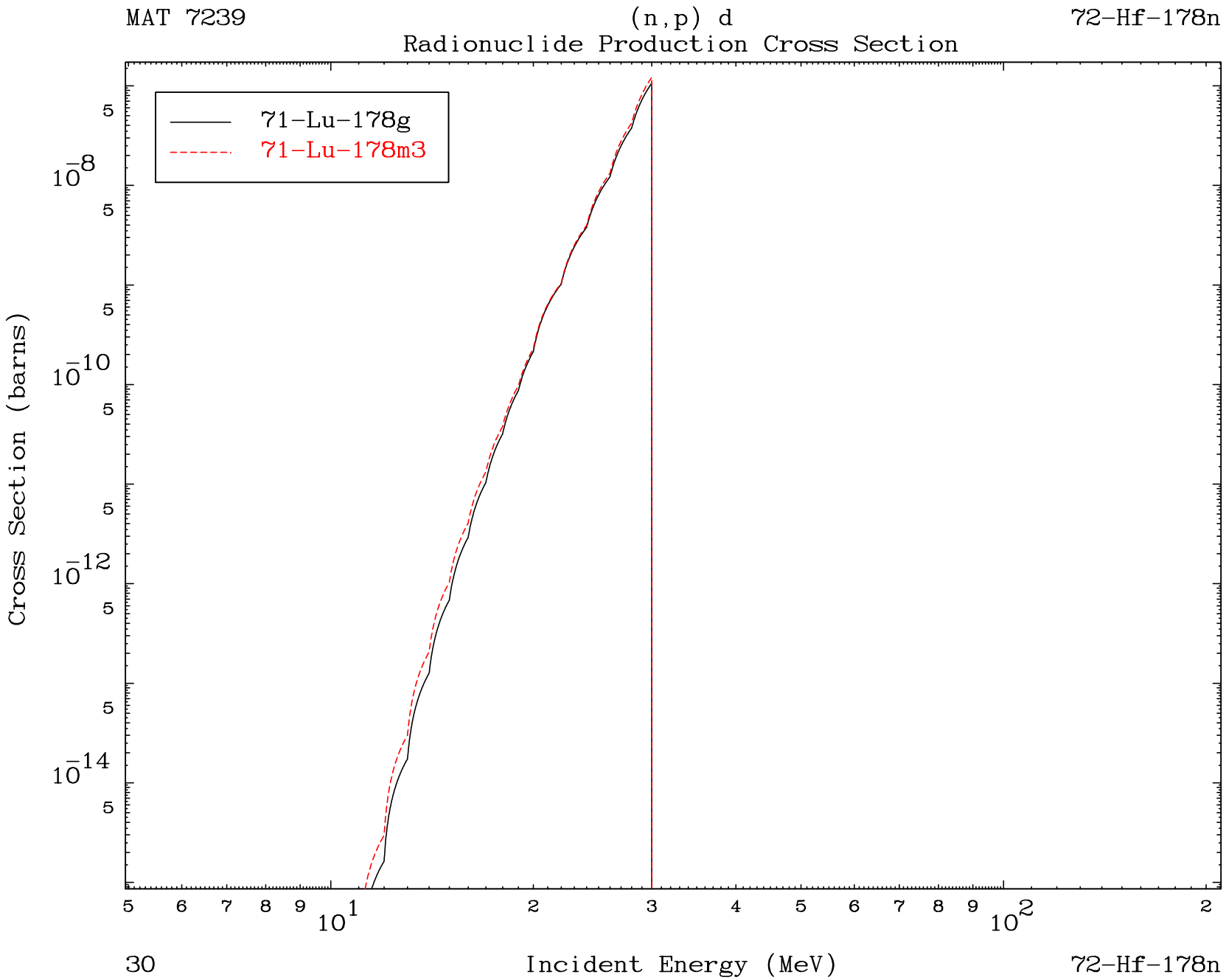
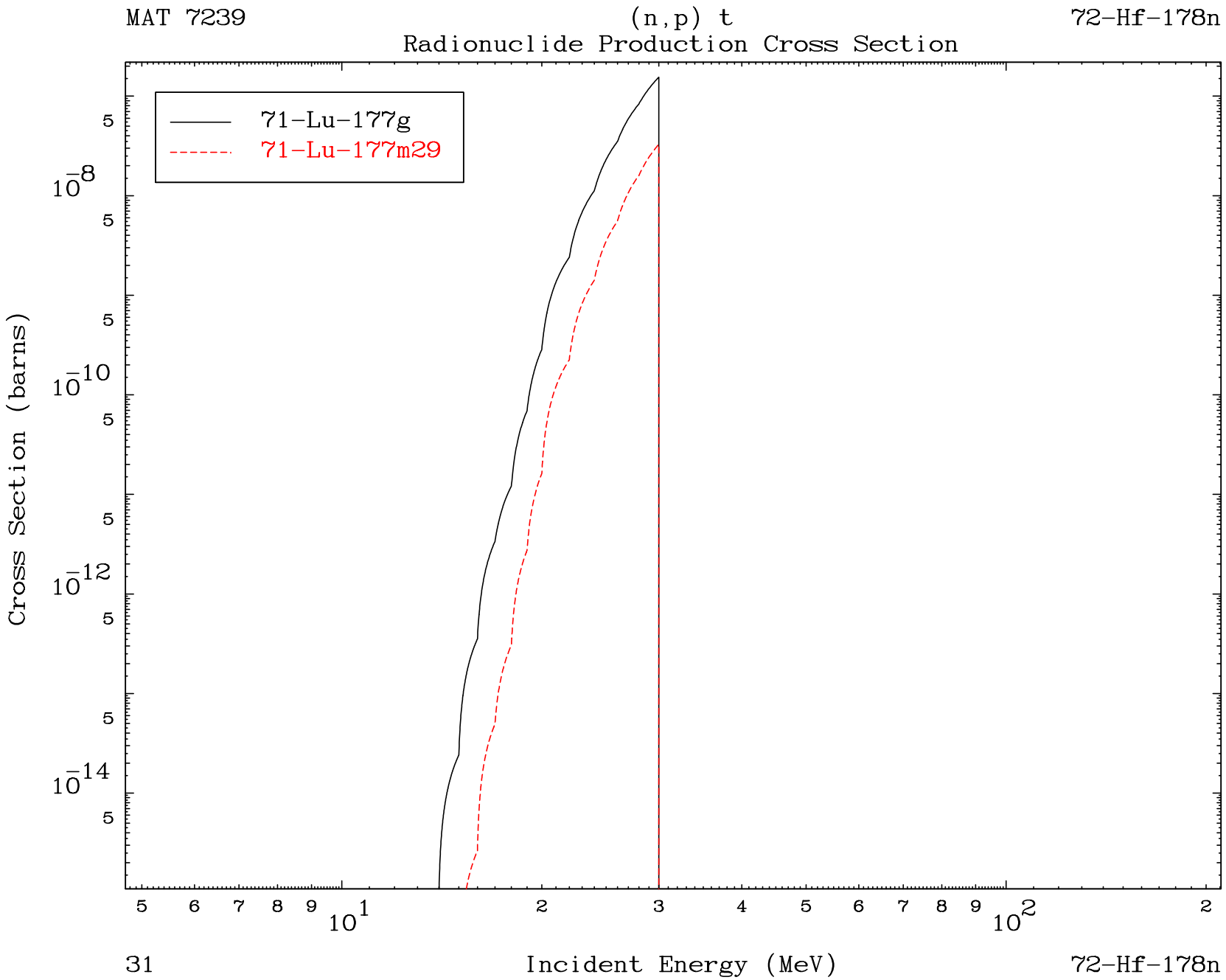
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
29
72-Hf-178n


MAT 7239
(n,p) d
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
5 6 7 8 9 10 1
2
3
4
5
6
7
8
9
10 2
2
30
Incident Energy (MeV)
72-Hf-178n


MAT 7239
(n,p) t
72-Hf-178n
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
31
72-Hf-178n