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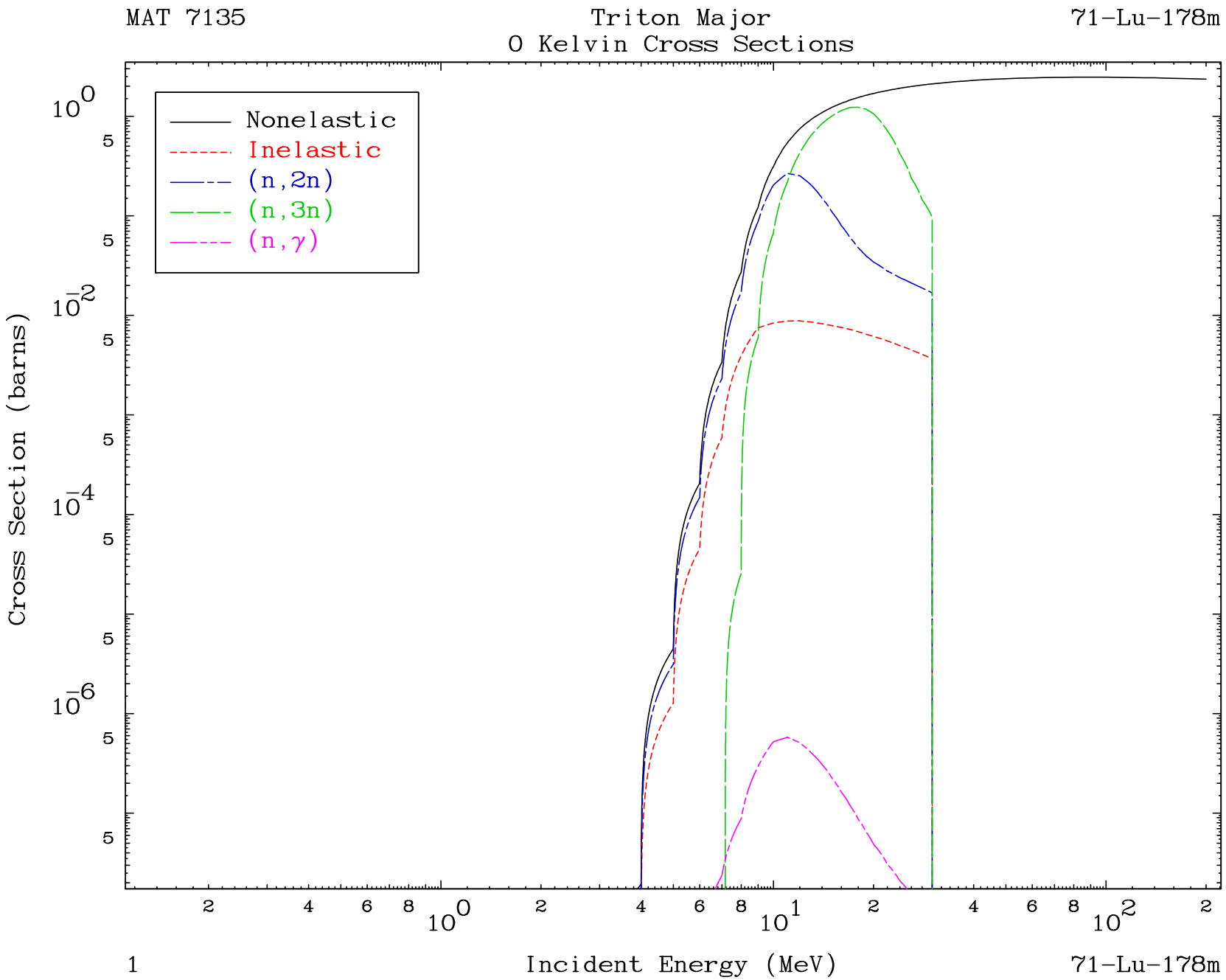
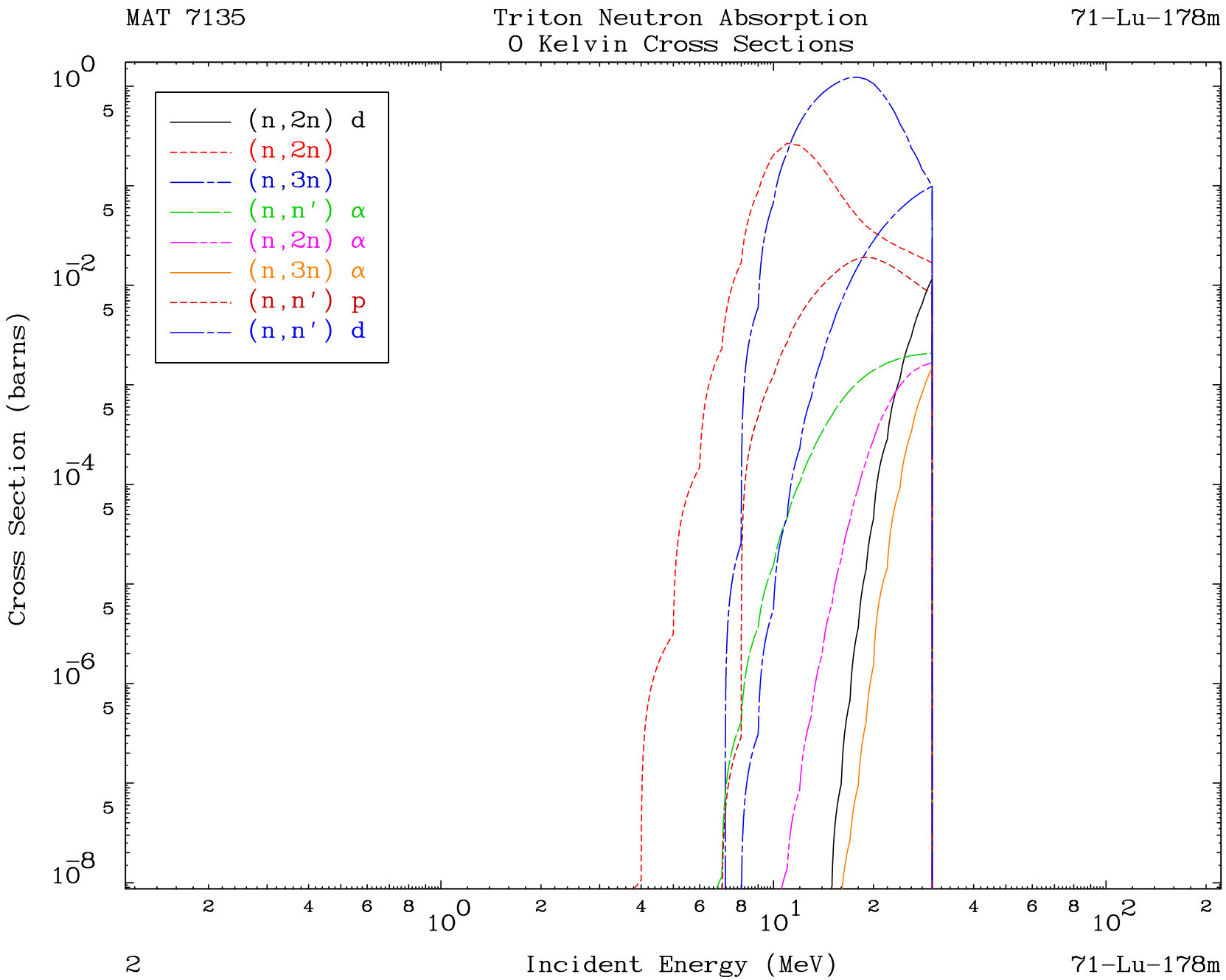
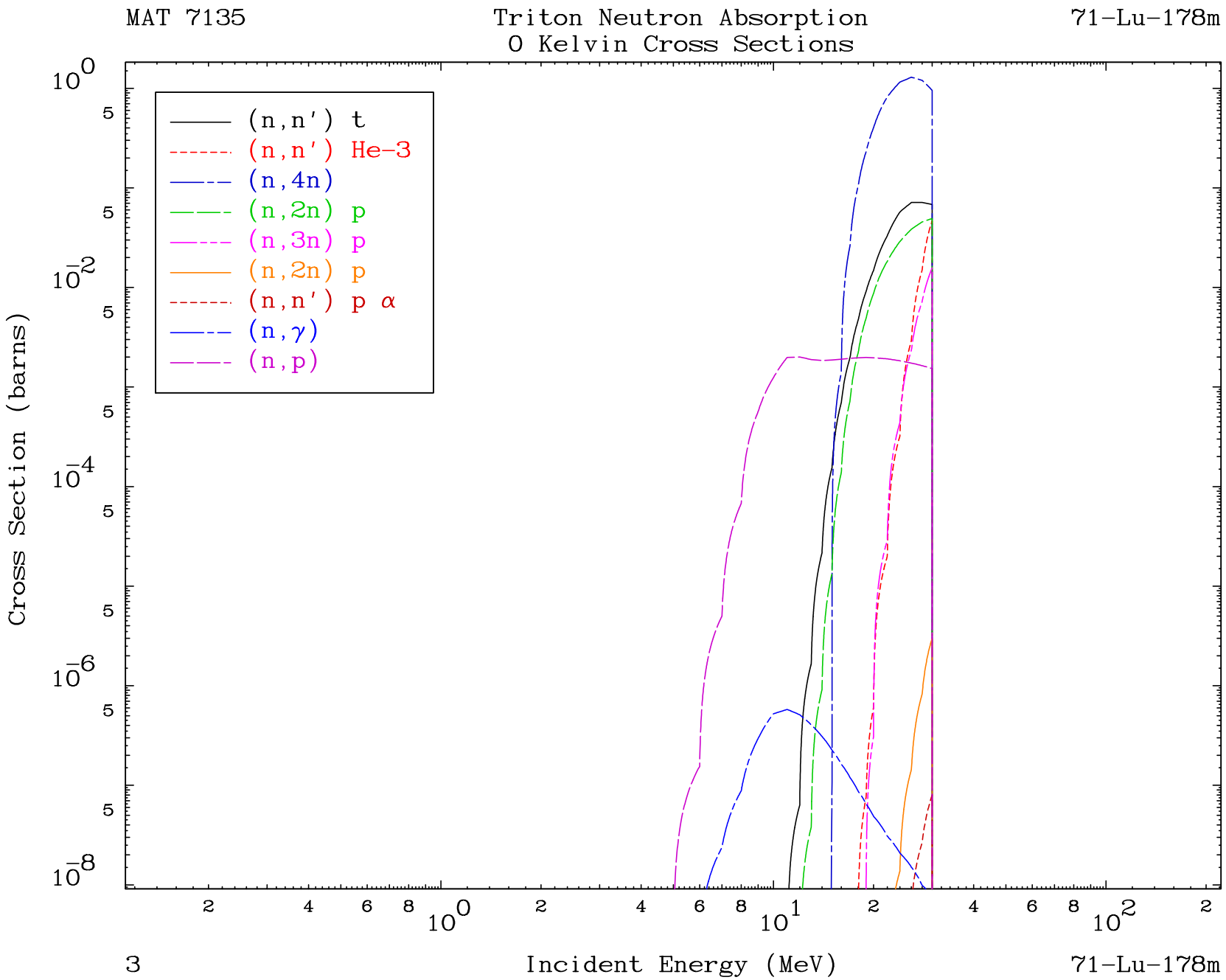
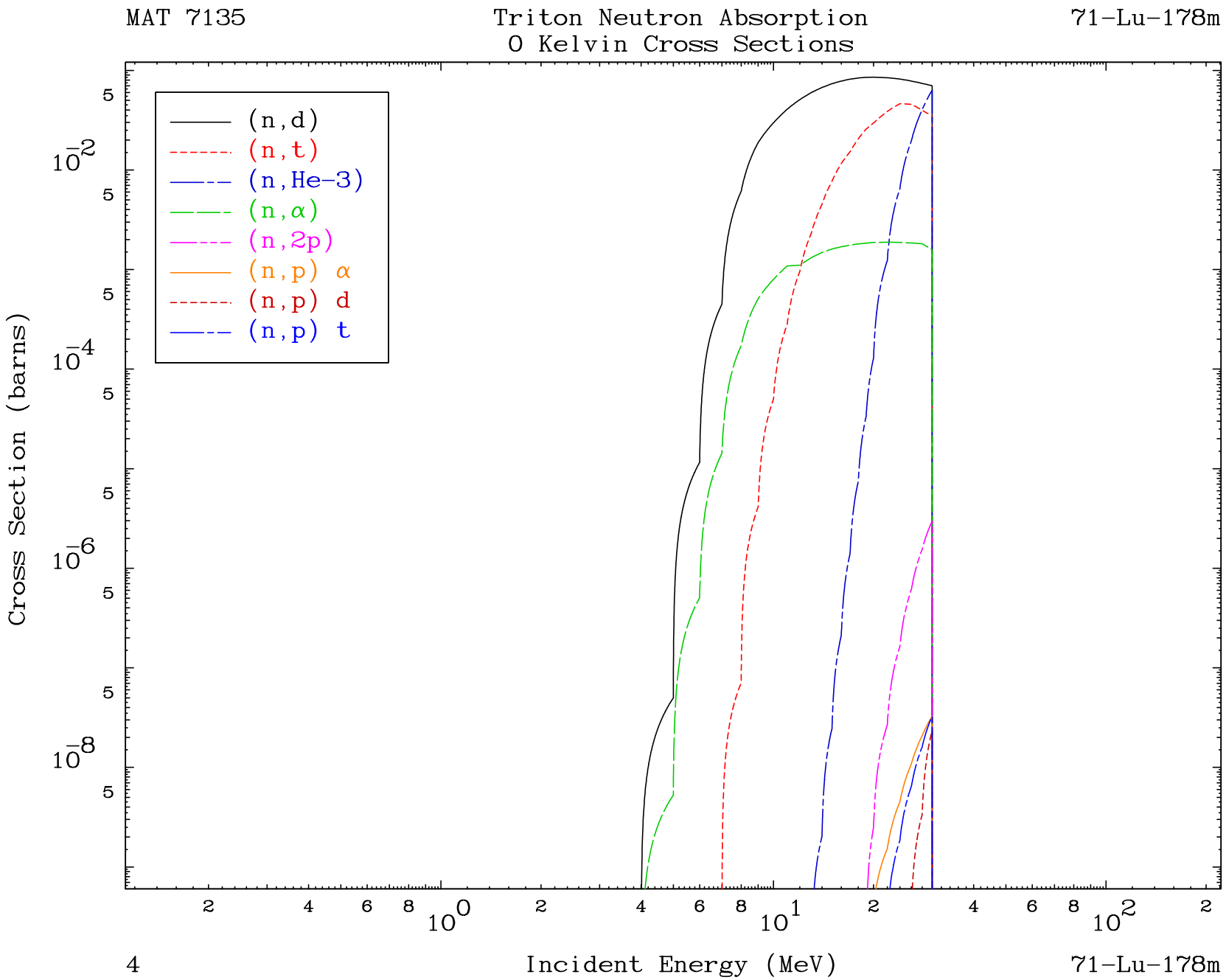
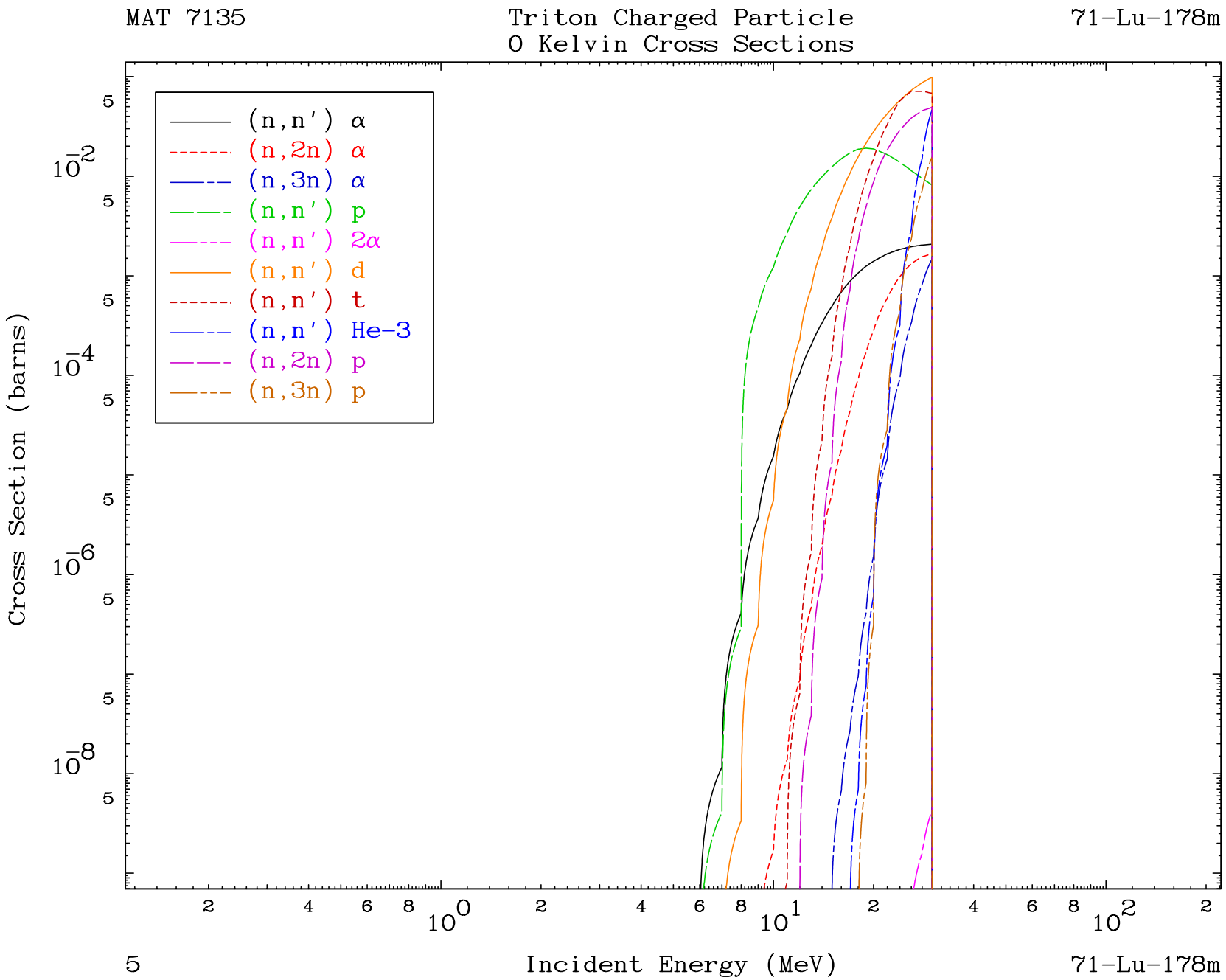
Press Mouse Button to Start

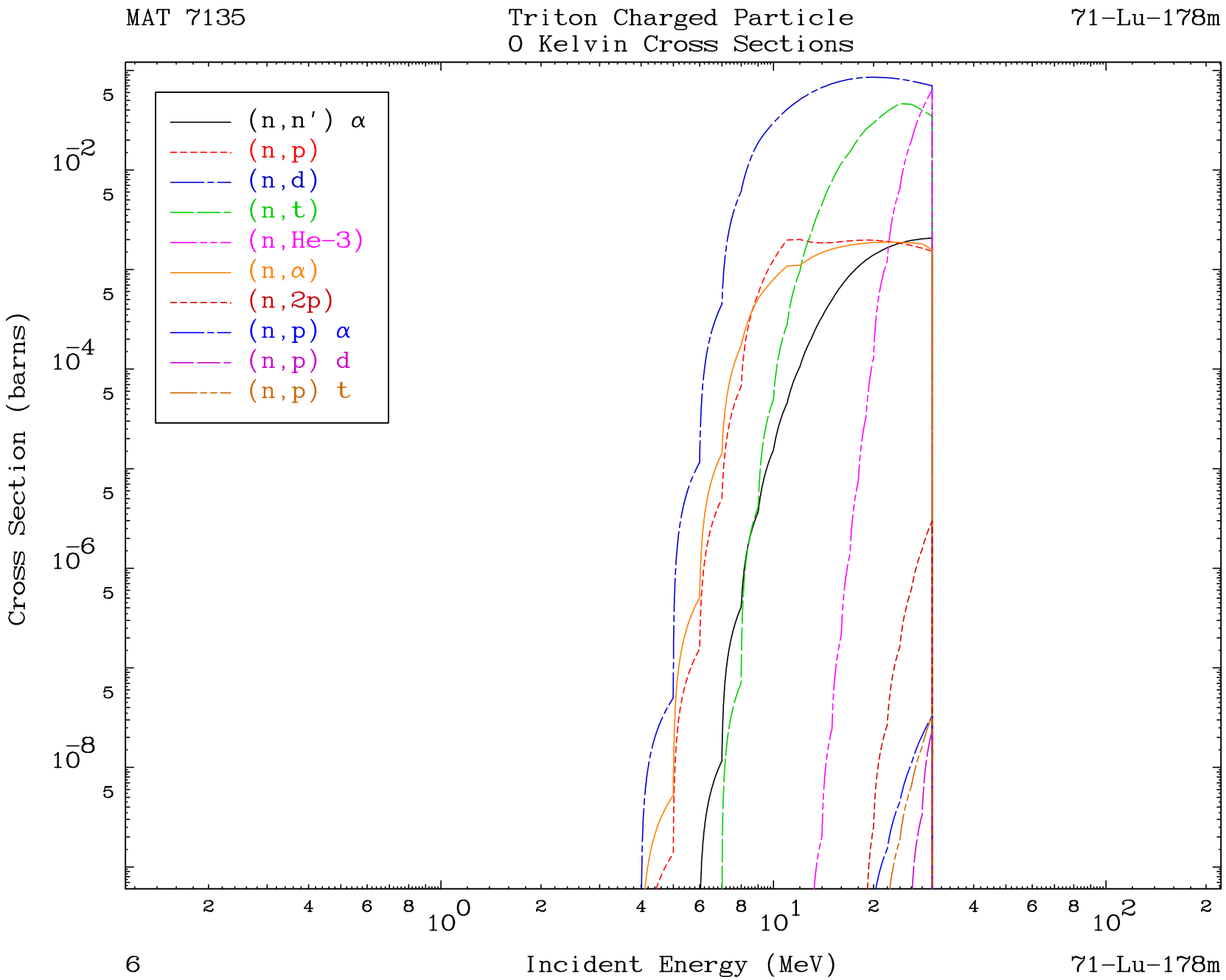

MAT 7135
Triton Major
71-Lu-178m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-178m
1

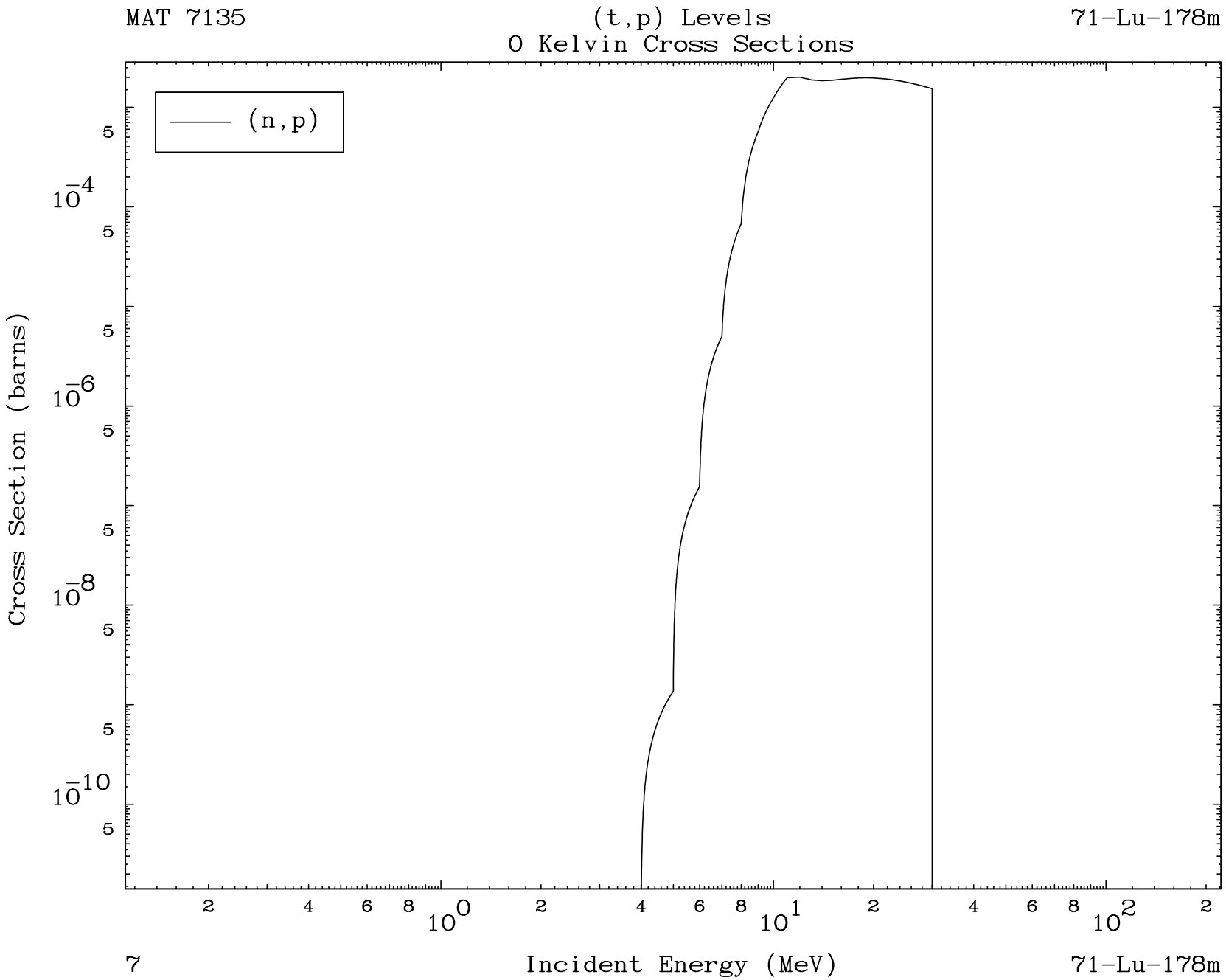

MAT 7135
Triton Neutron Absorption
0 Kelvin Cross Sections
71-Lu-178m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
71-Lu-178m
2

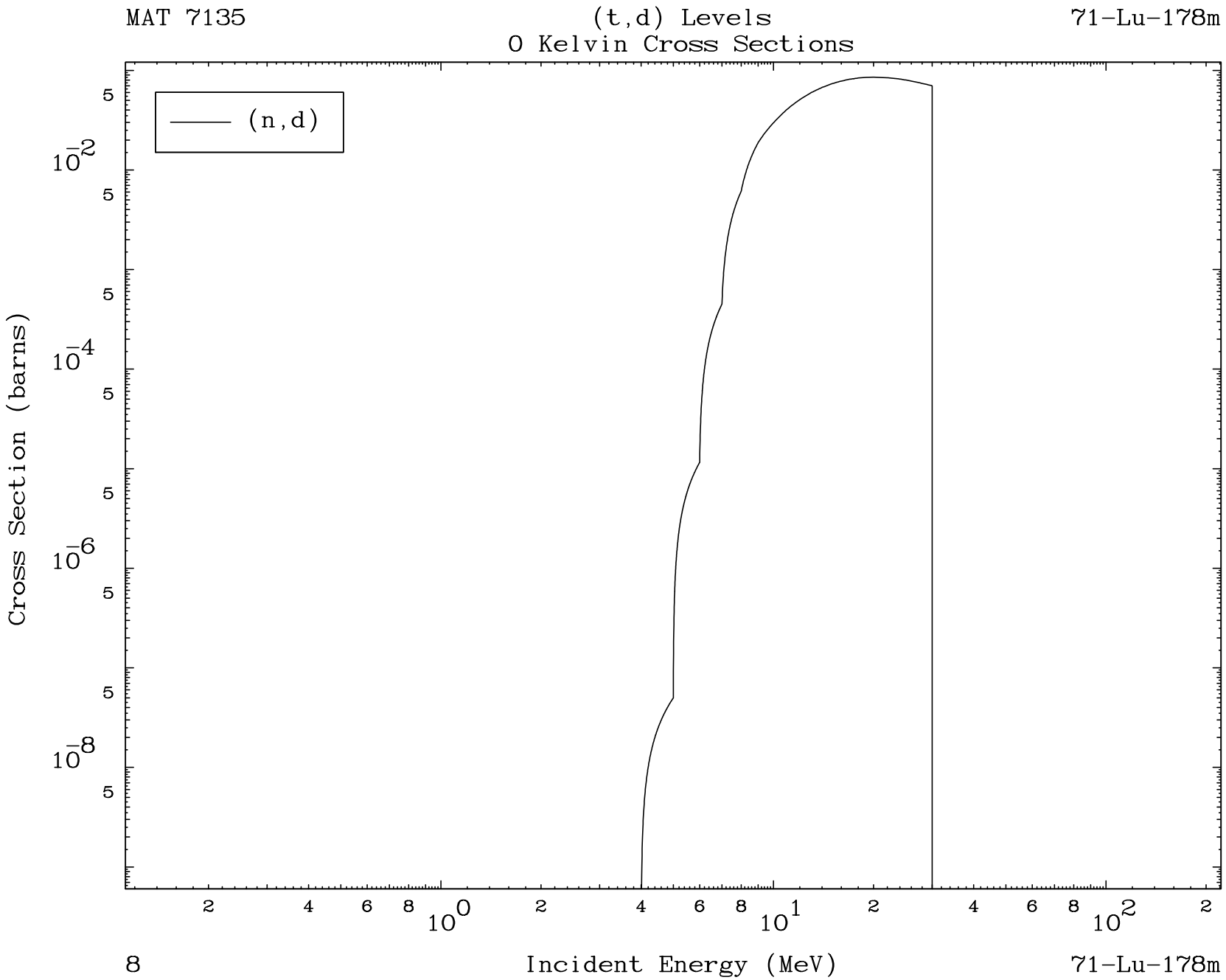

MAT 7135
Triton Neutron Absorption
0 Kelvin Cross Sections
71-Lu-178m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
71-Lu-178m

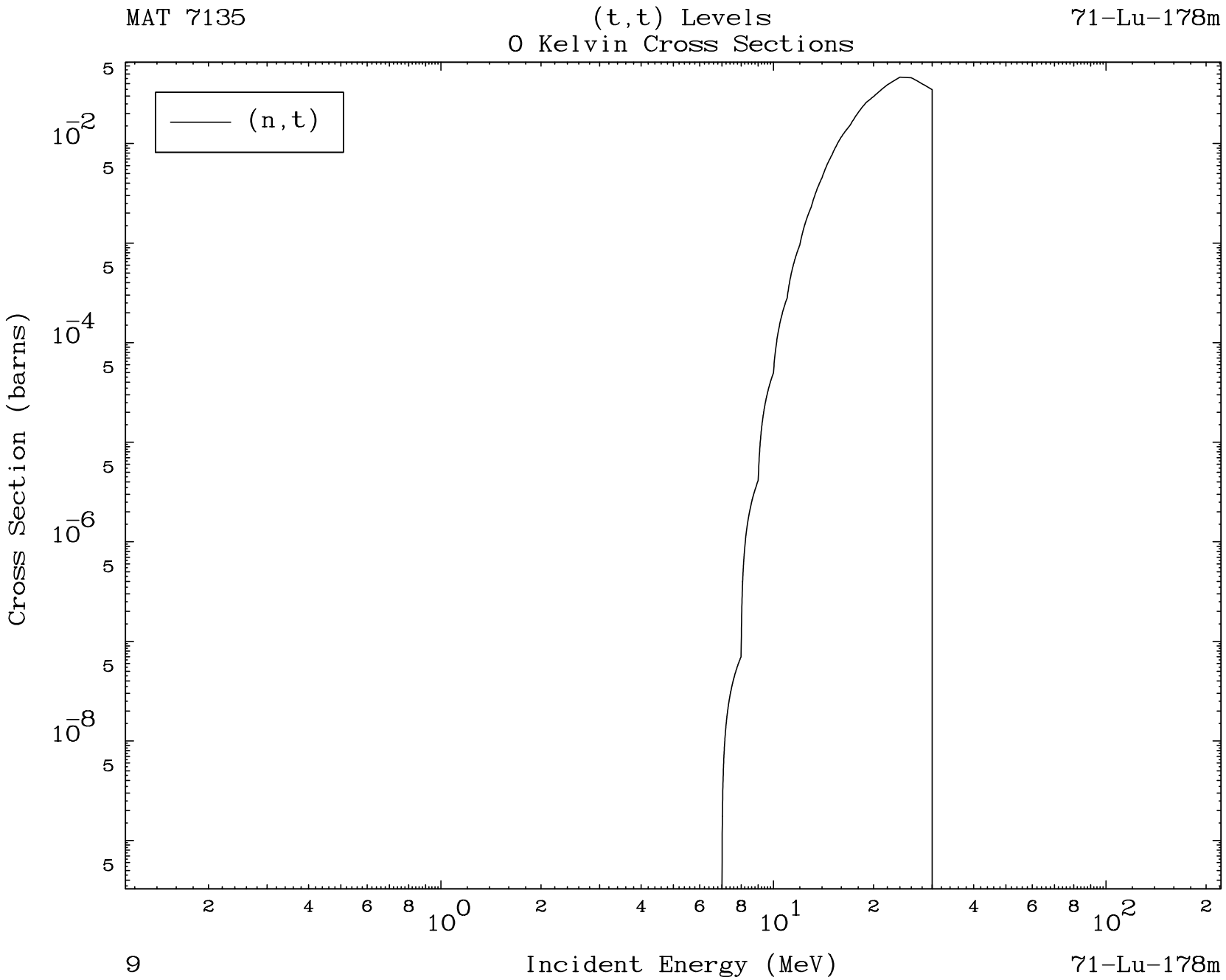

MAT 7135
Triton Neutron Absorption
0 Kelvin Cross Sections
71-Lu-178m
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-178m

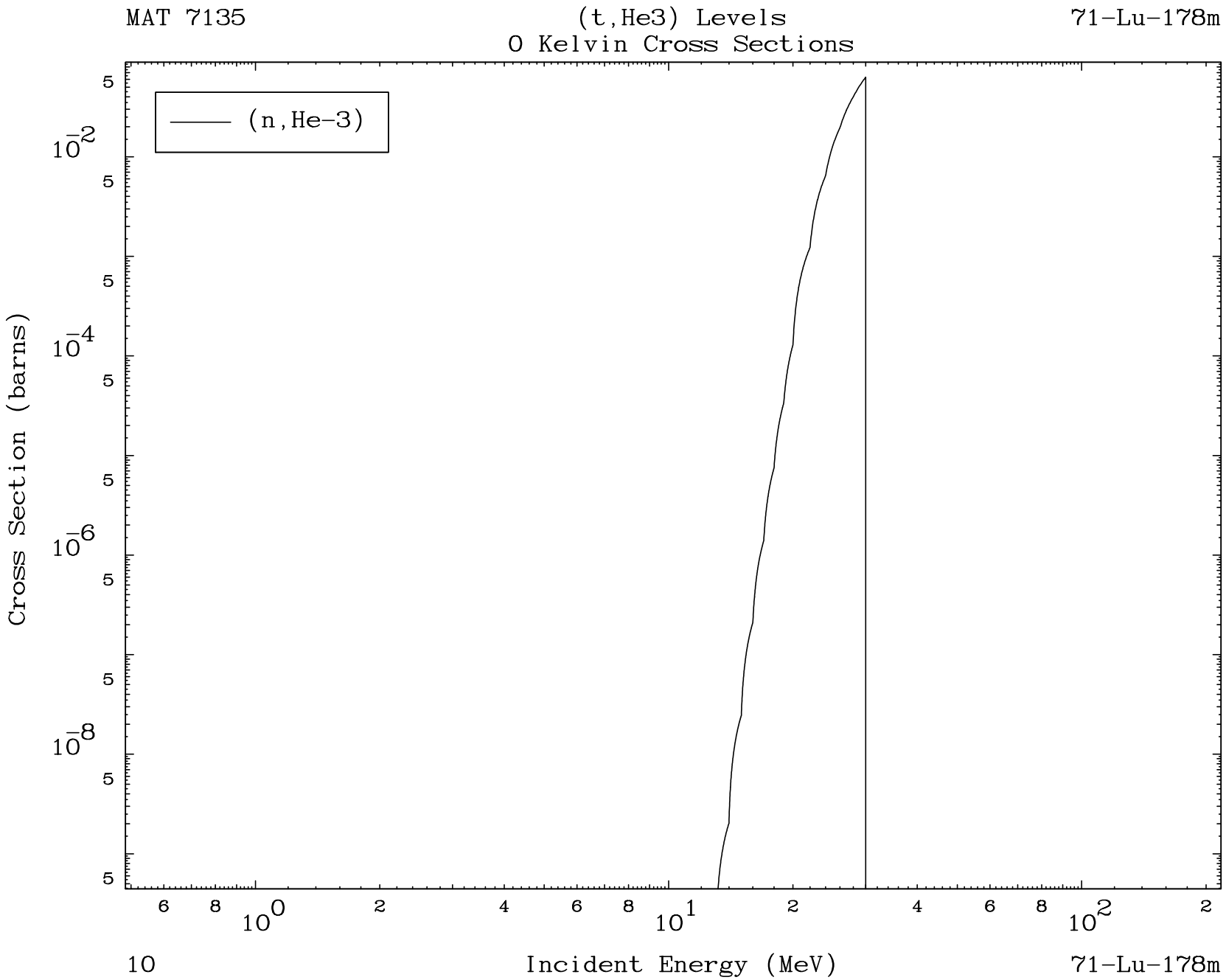

MAT 7135
Triton Charged Particle
0 Kelvin Cross Sections
71-Lu-178m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
71-Lu-178m

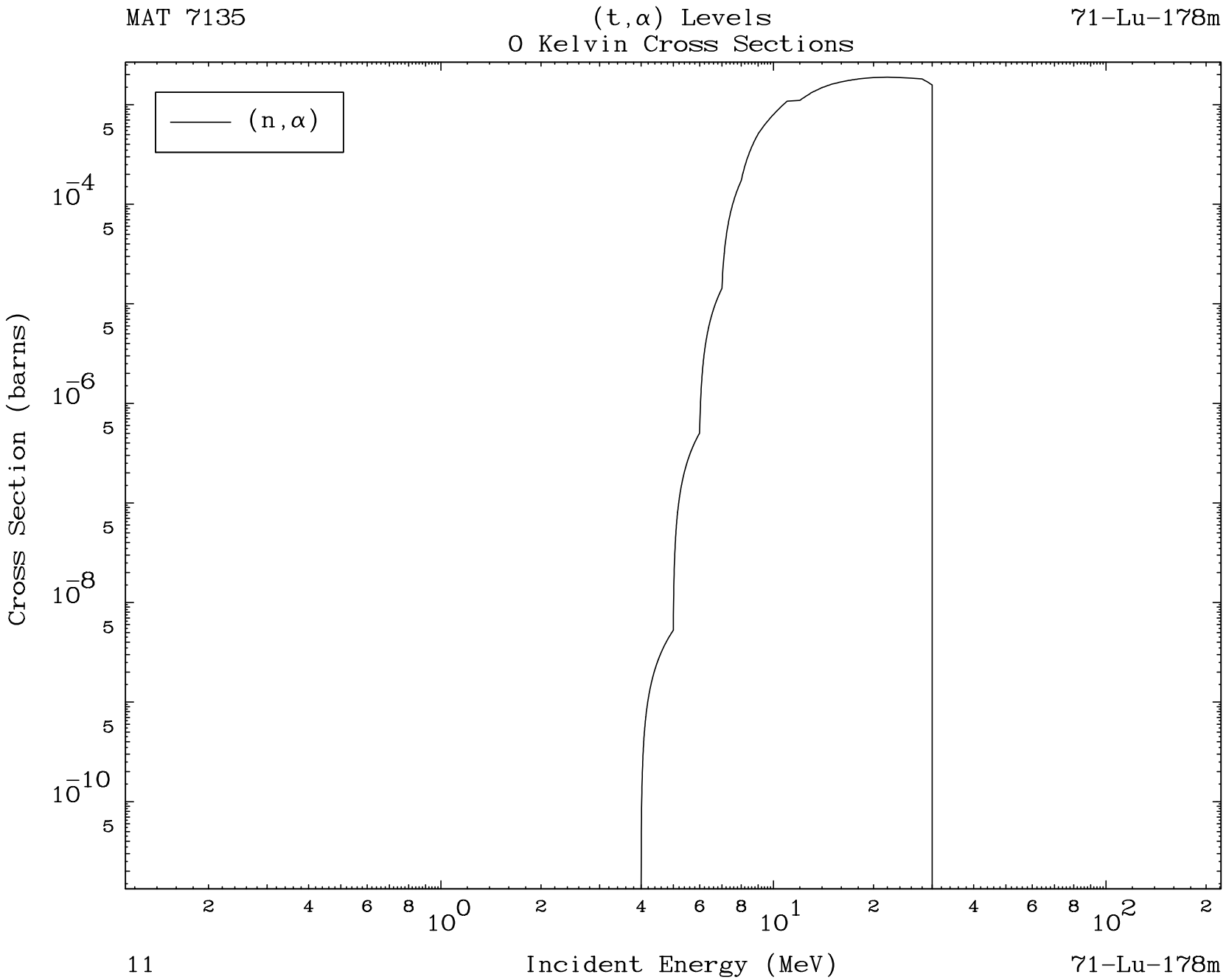

MAT 7135
Triton Charged Particle
0 Kelvin Cross Sections
71-Lu-178m
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-178m

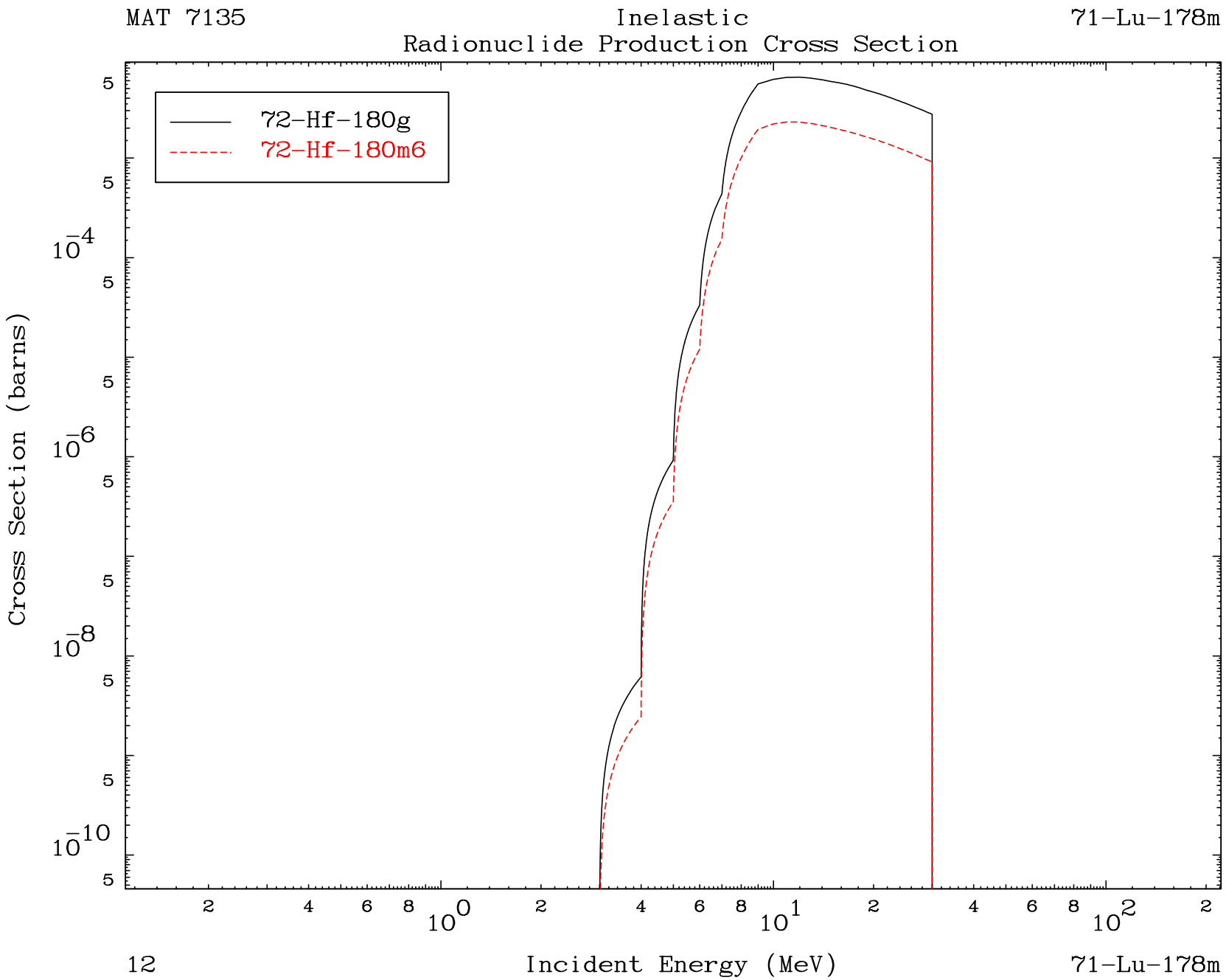

MAT 7135
(t,p) Levels
71-Lu-178m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
71-Lu-178m

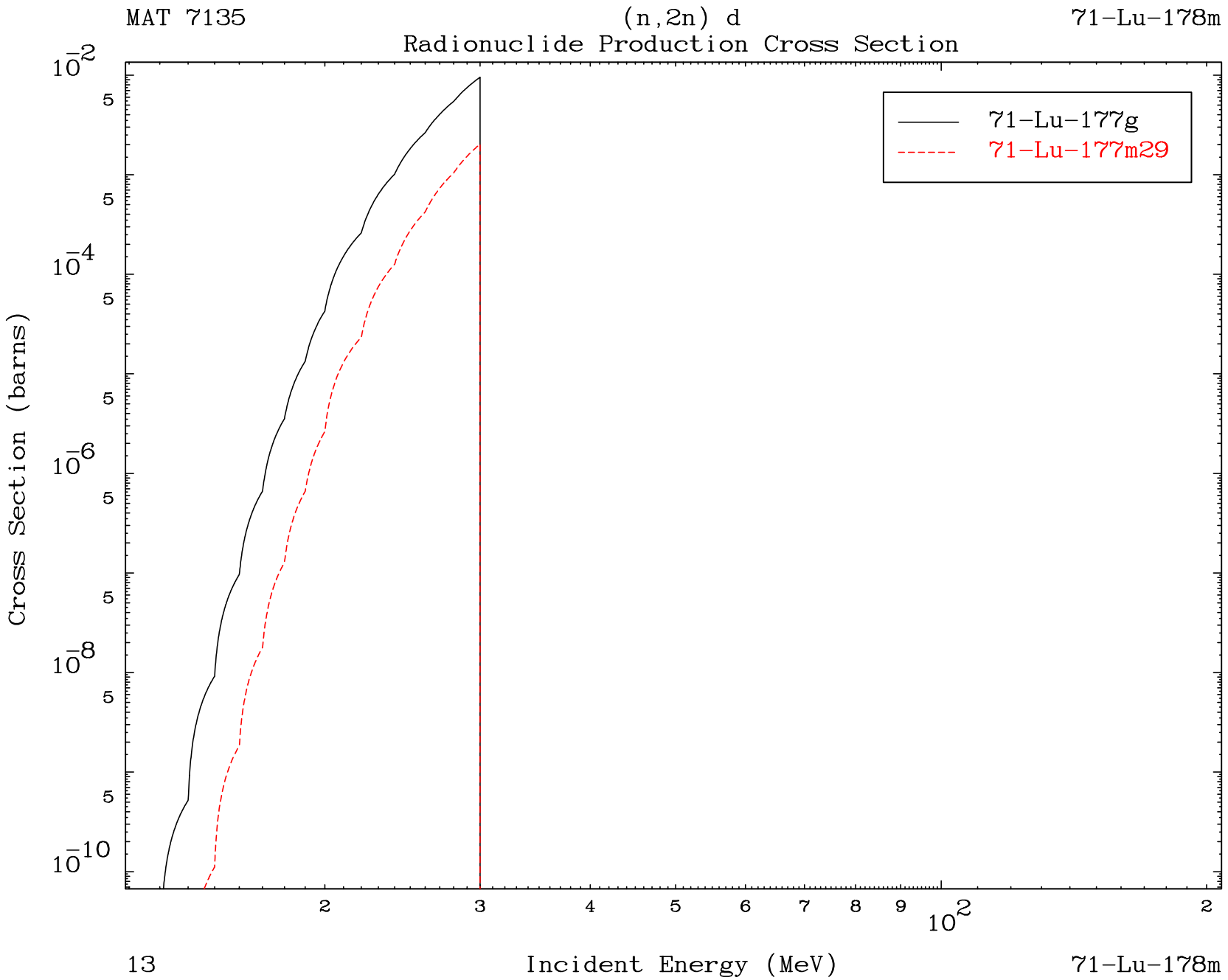

MAT 7135
(t,d) Levels
71-Lu-178m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
71-Lu-178m

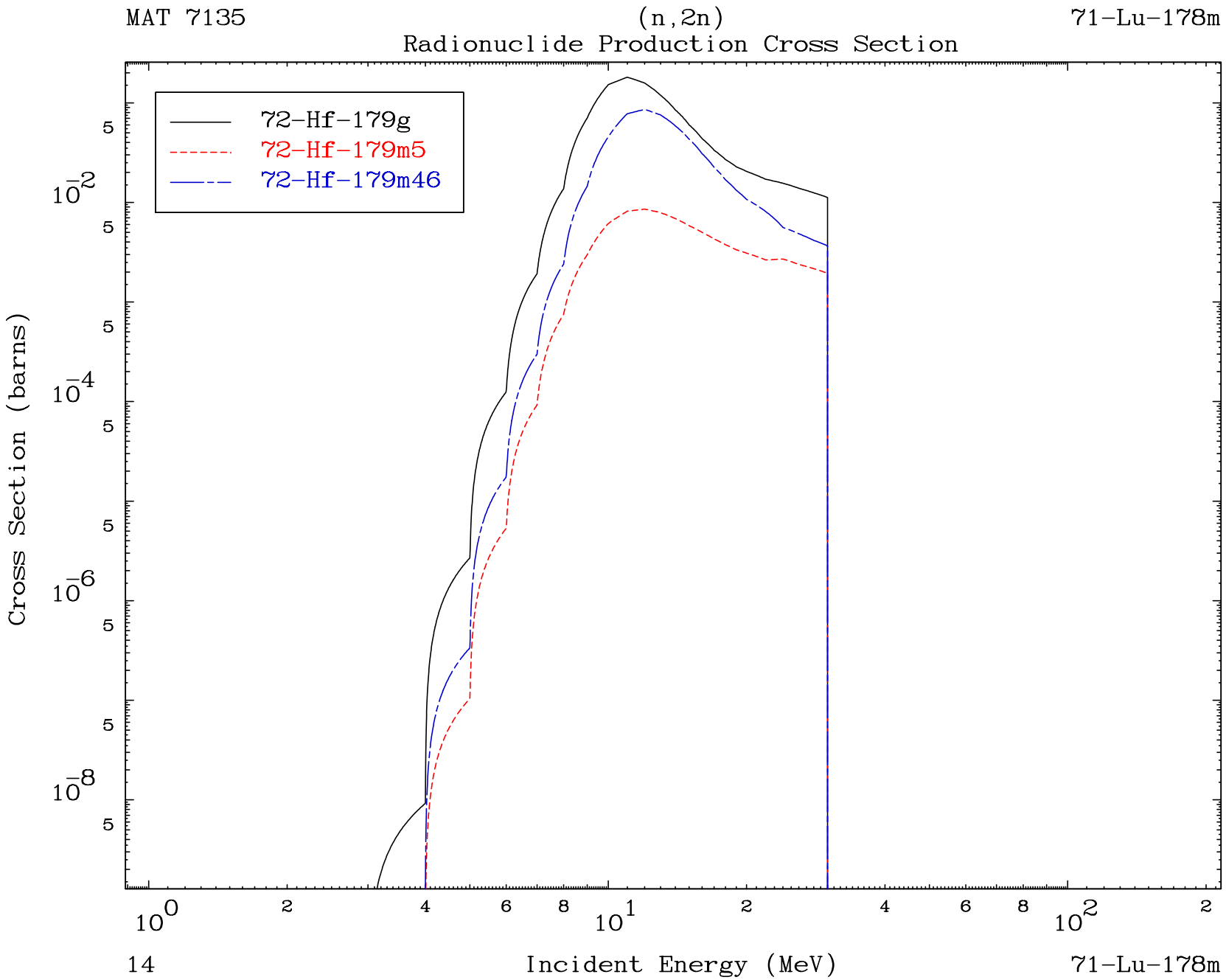

MAT 7135
(t,t) Levels
71-Lu-178m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
71-Lu-178m

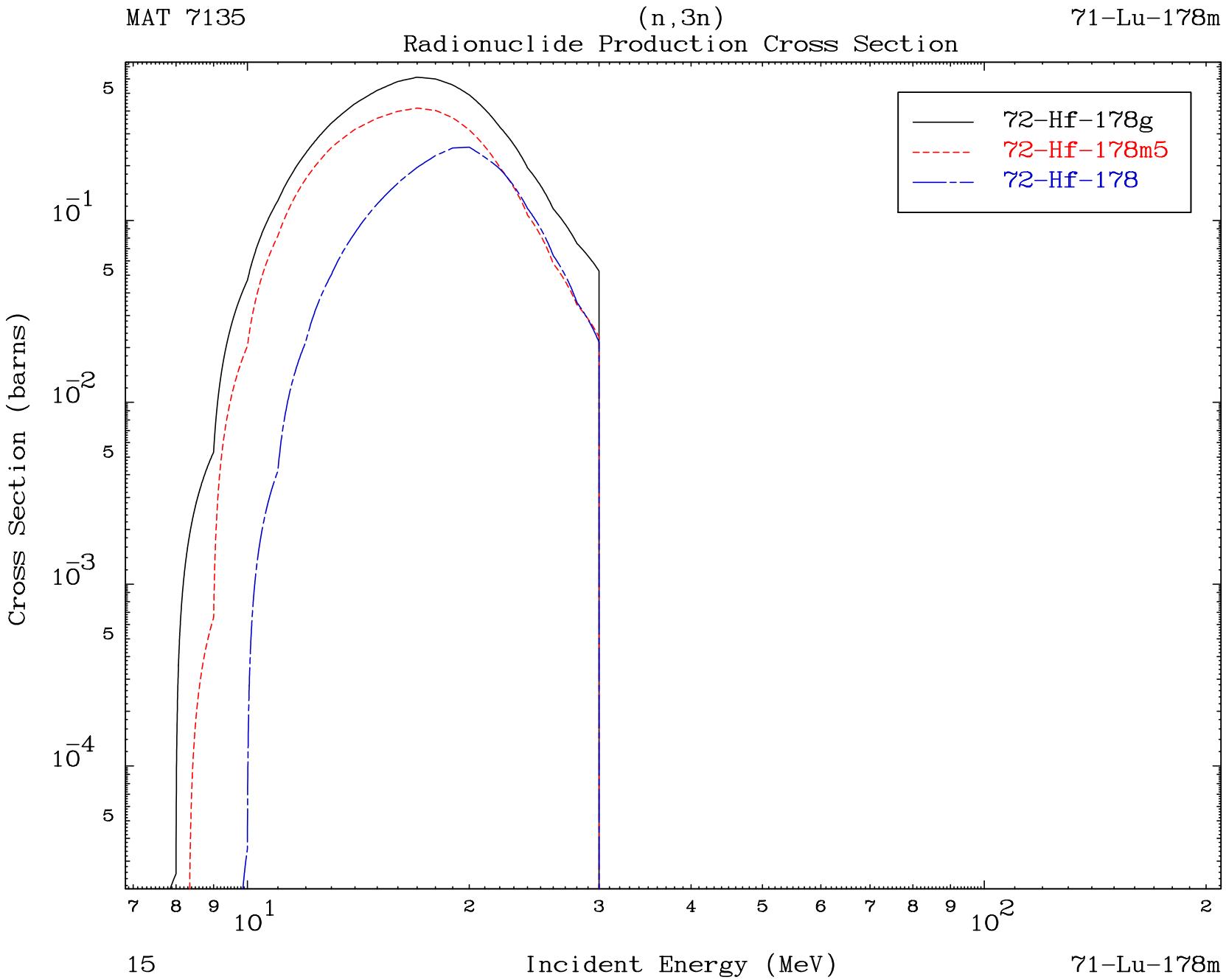

MAT 7135
(t,He3) Levels
71-Lu-178m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-178m

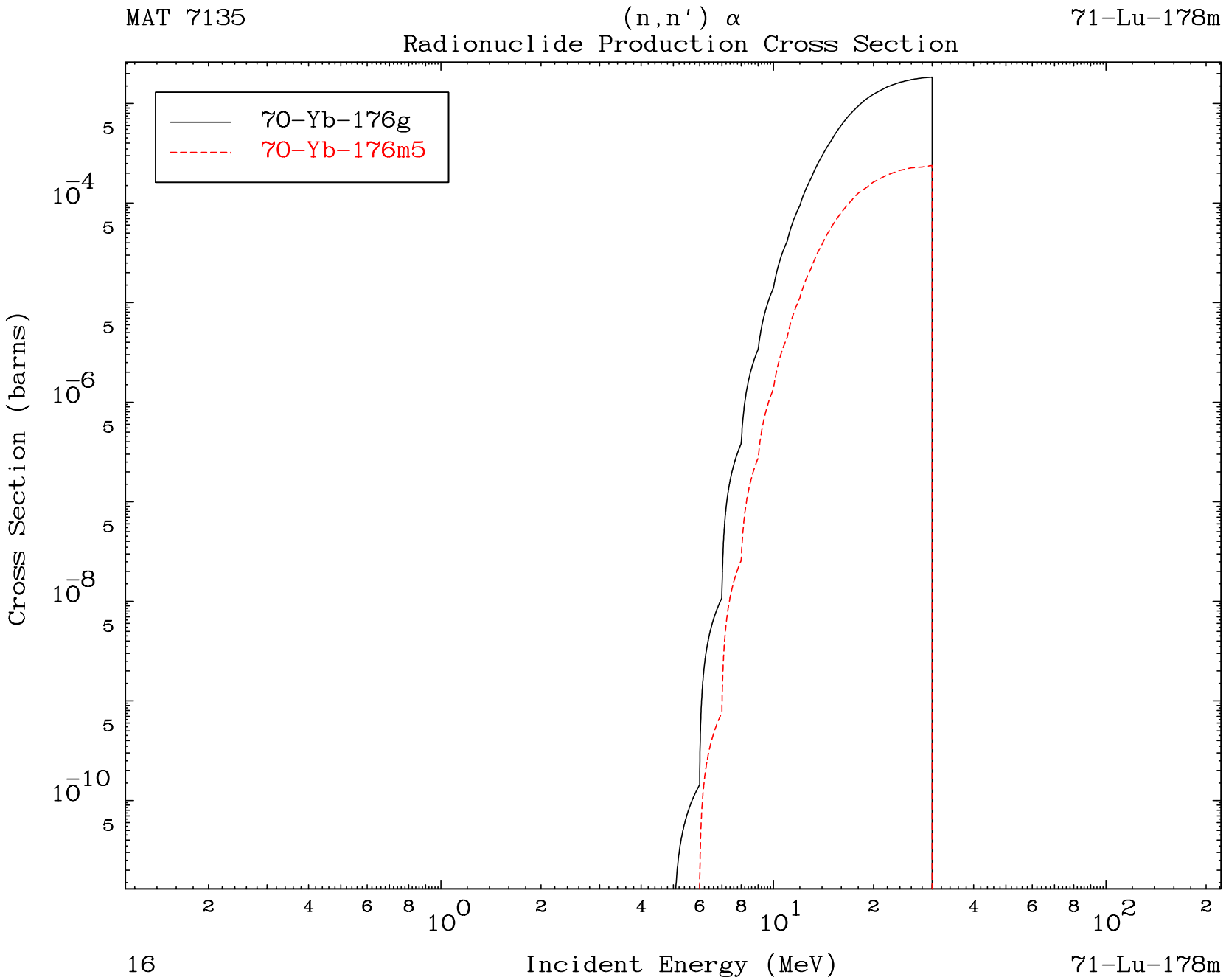

MAT 7135
(t,α) Levels
71-Lu-178m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
71-Lu-178m

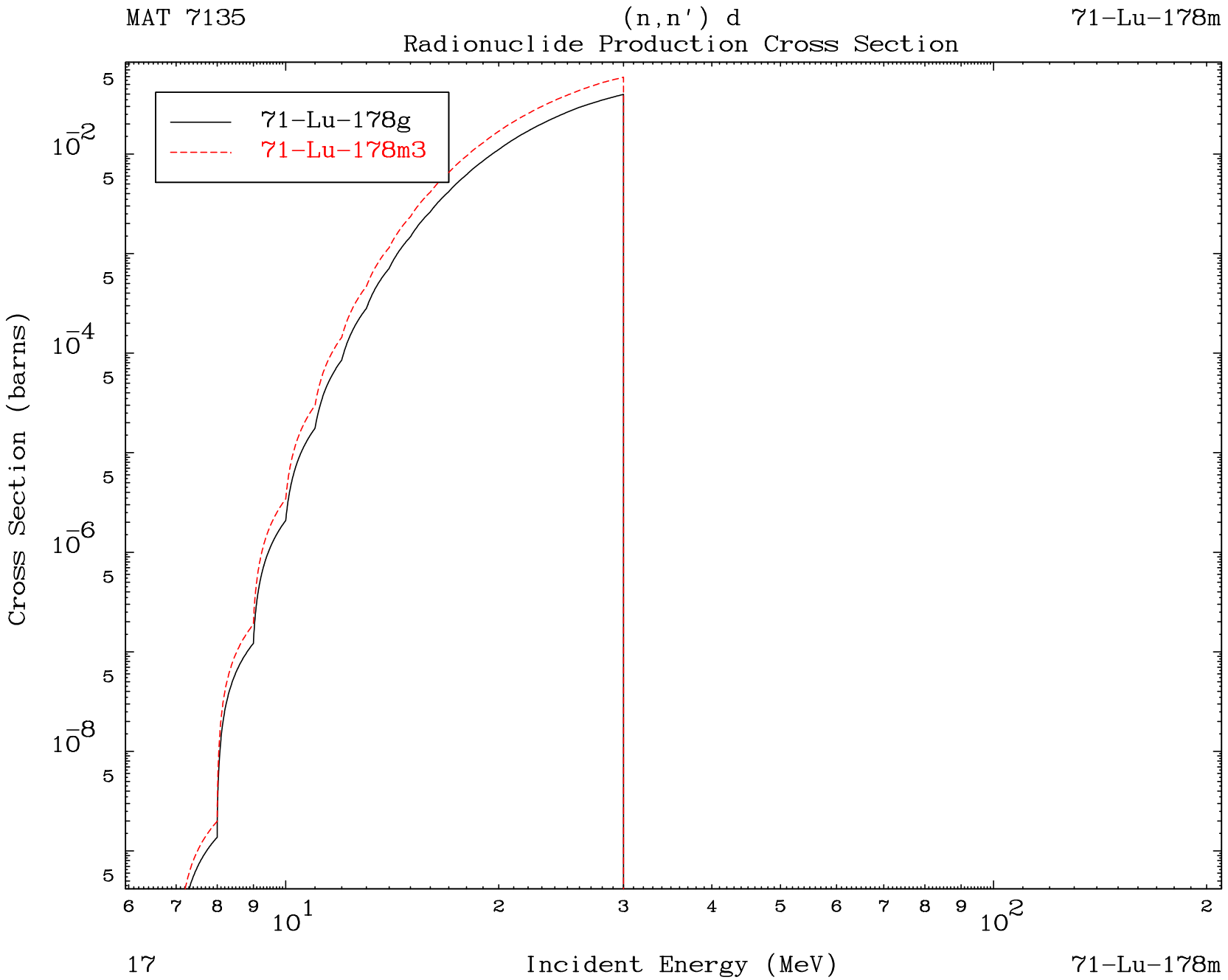

MAT 7135
Inelastic
71-Lu-178m
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-178m

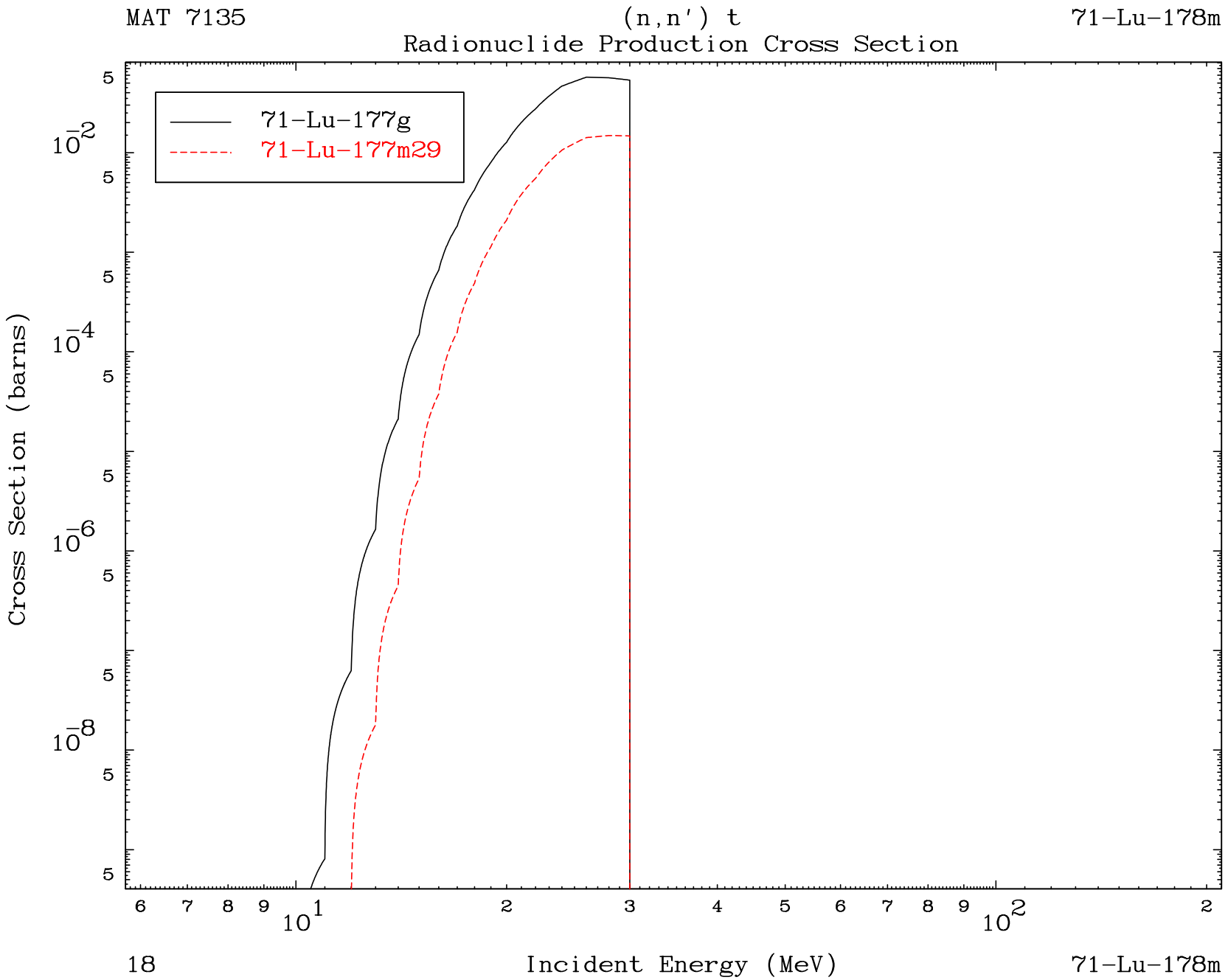

MAT 7135
(n,2n) d
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
13
71-Lu-178m

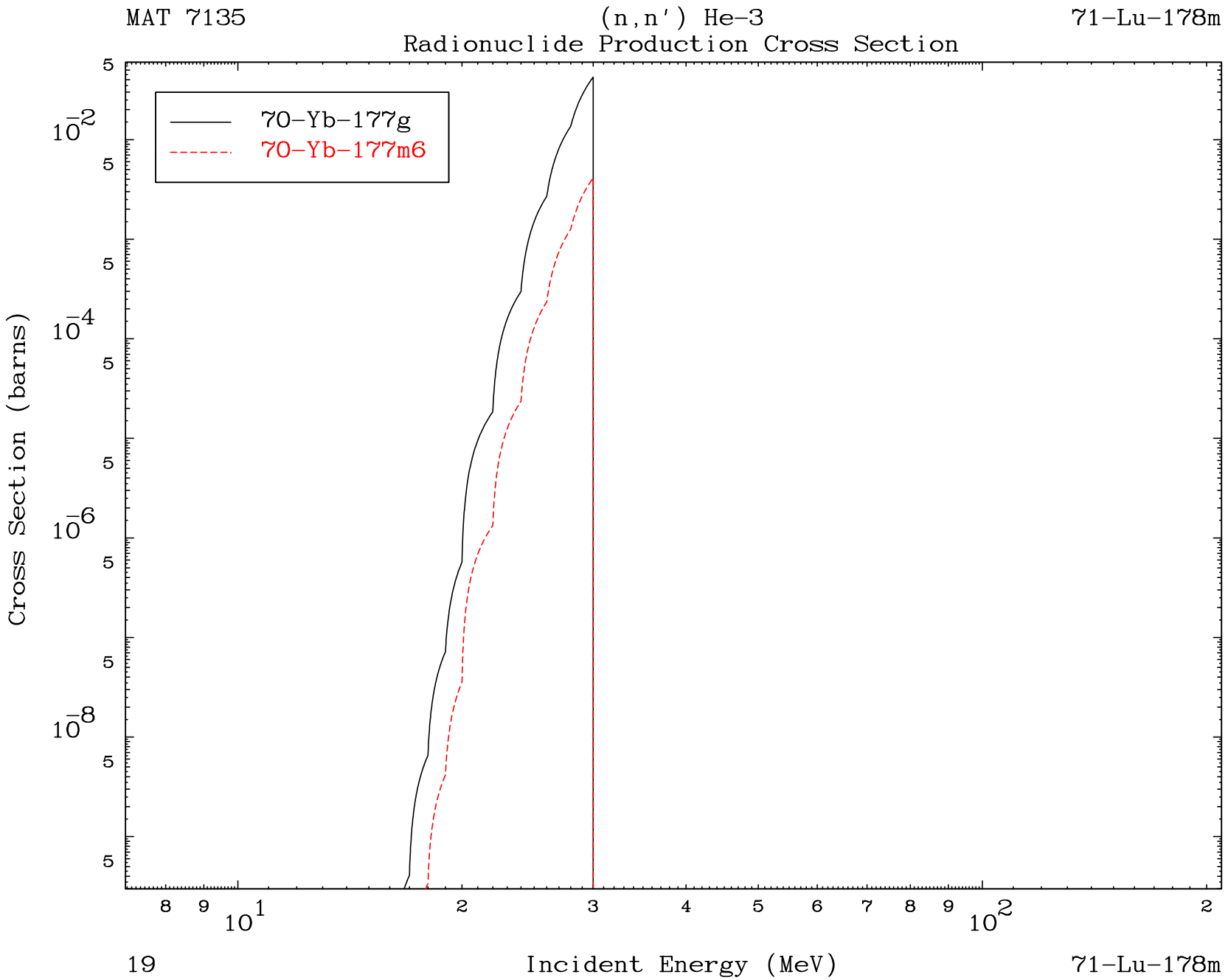

MAT 7135
(n,2n)
71-Lu-178m
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-178m

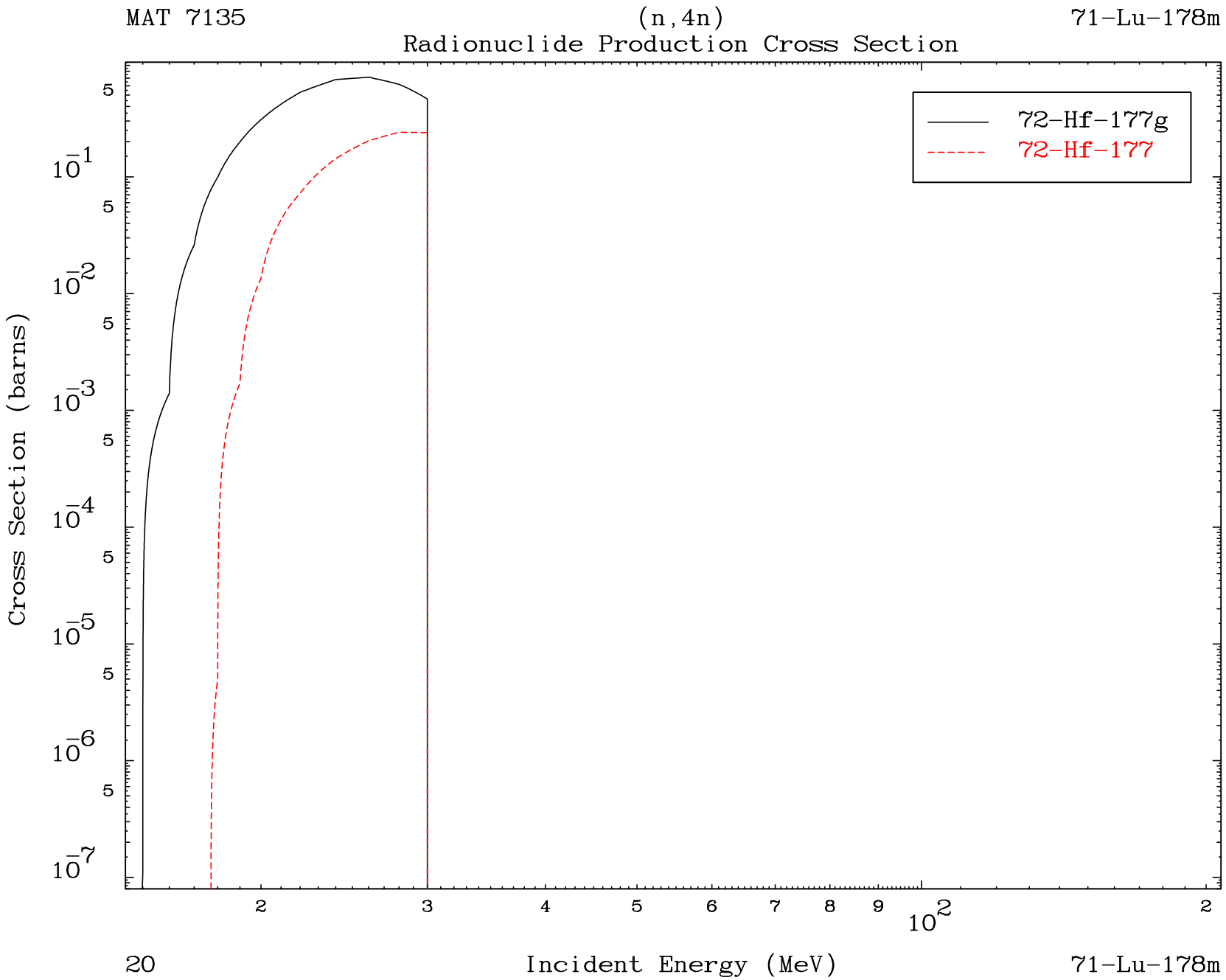

MAT 7135
(n,3n)
71-Lu-178m
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-178m

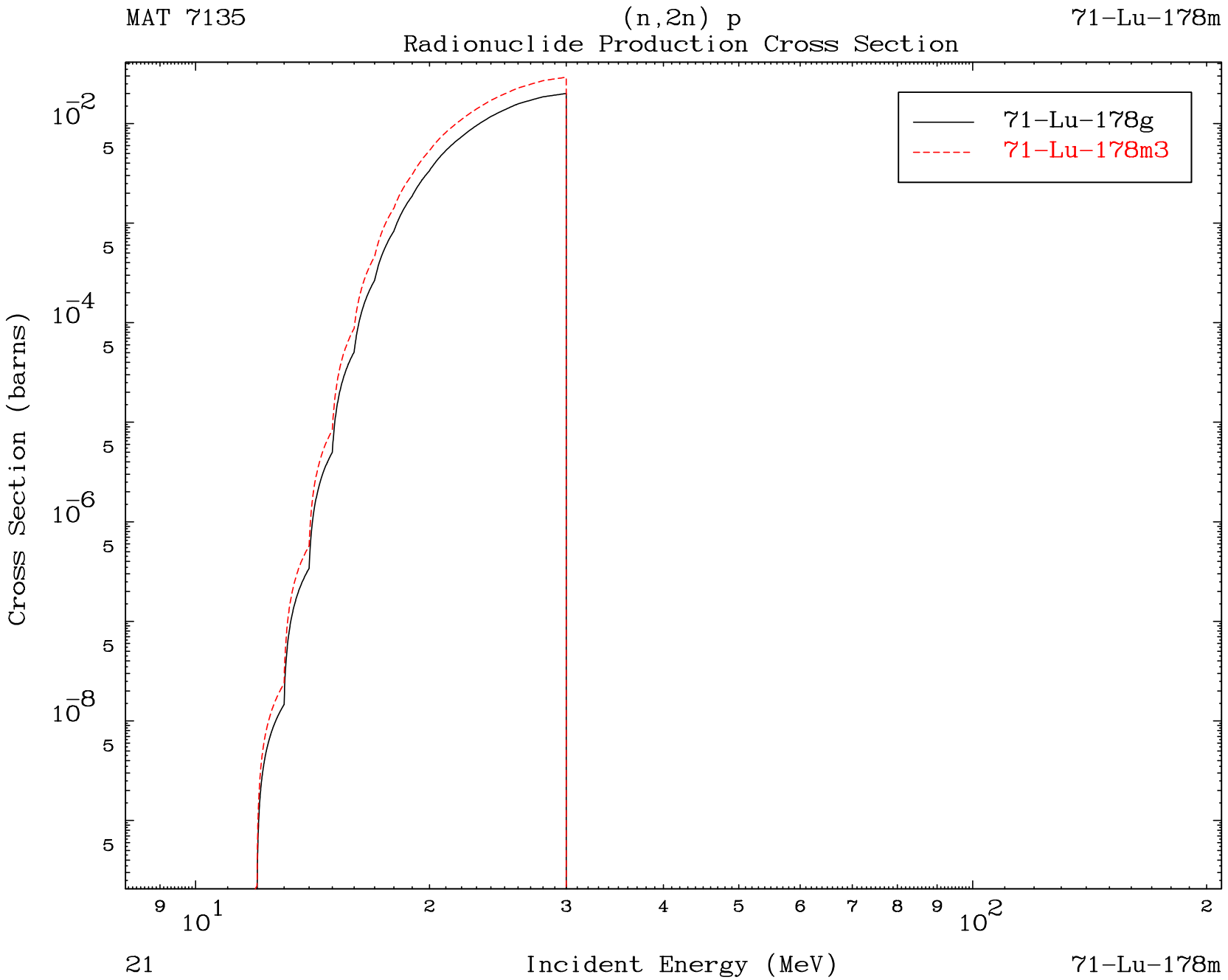

MAT 7135
(n,n') α
71-Lu-178m
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-178m

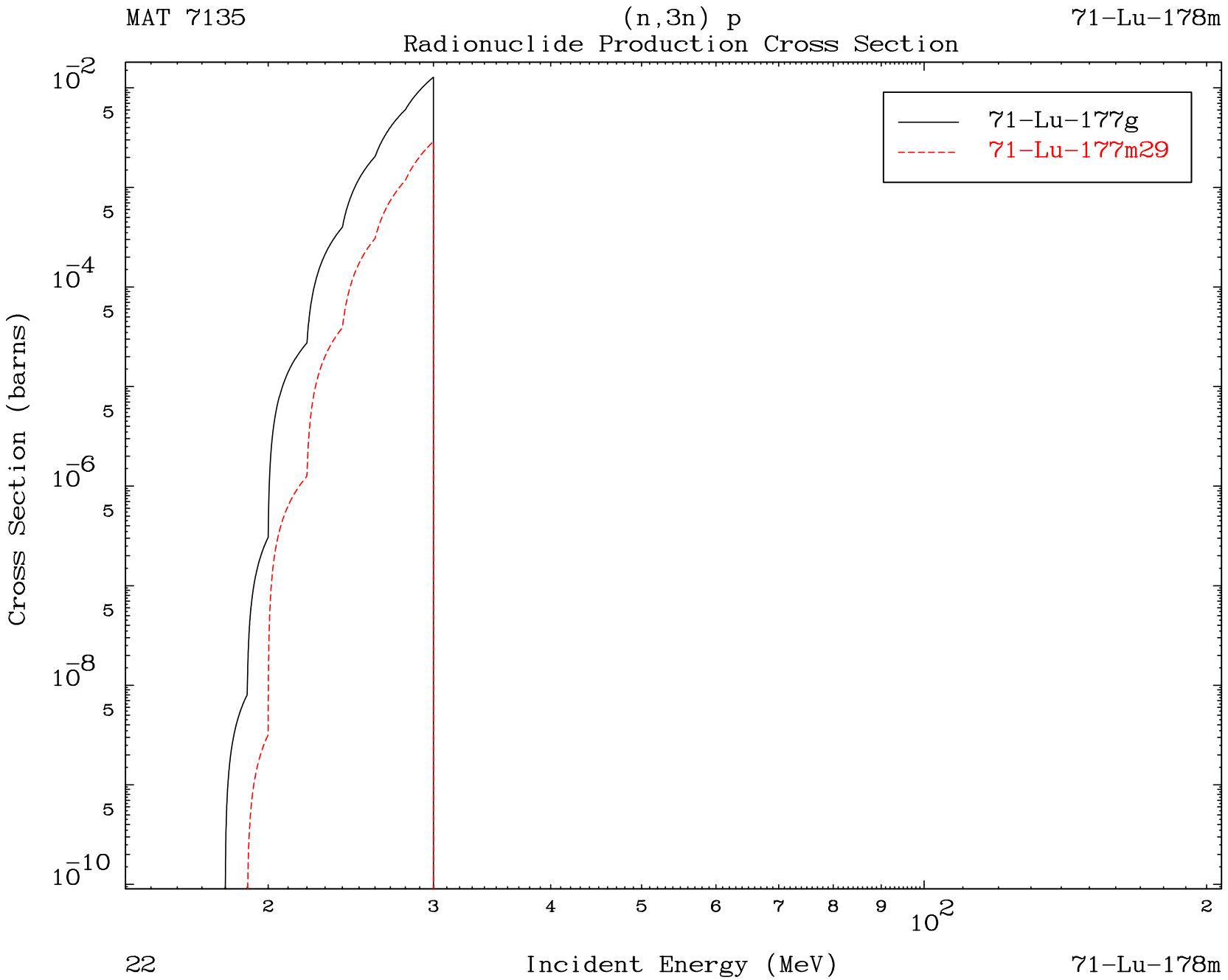

MAT 7135
(n,n') d
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
17
71-Lu-178m

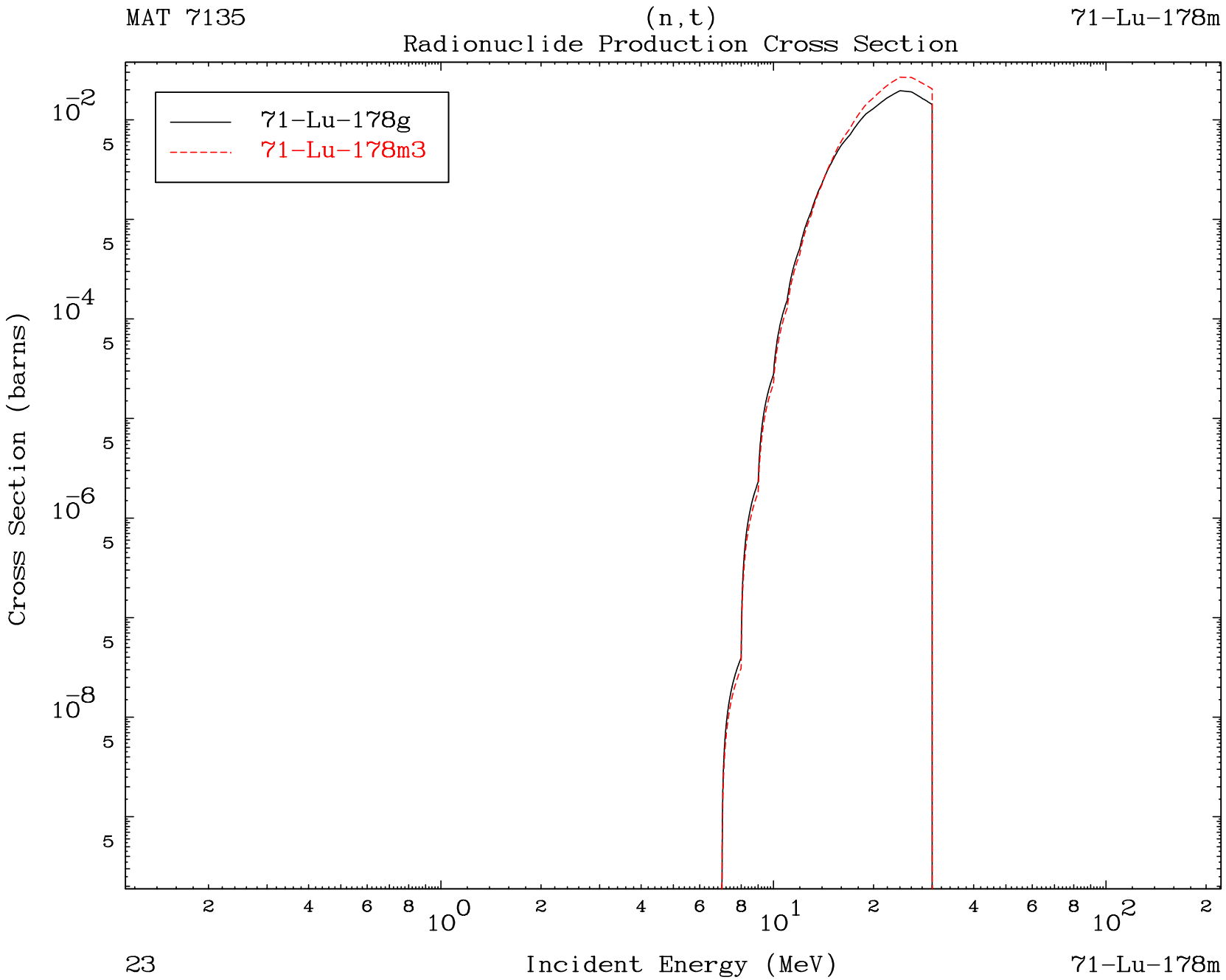

MAT 7135
(n,n') t
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
18
71-Lu-178m

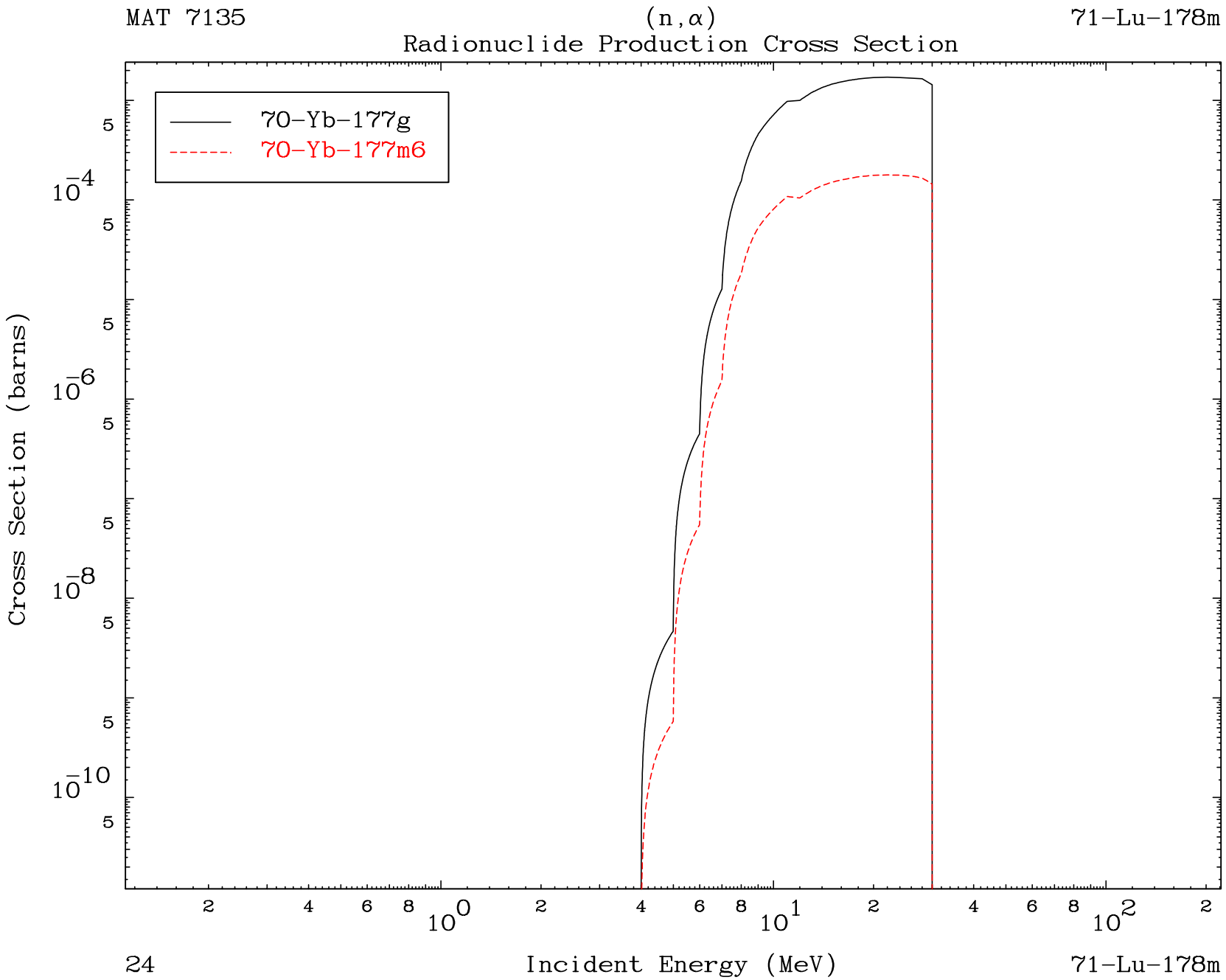

MAT 7135
(n,n') He-3
71-Lu-178m
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
19
71-Lu-178m

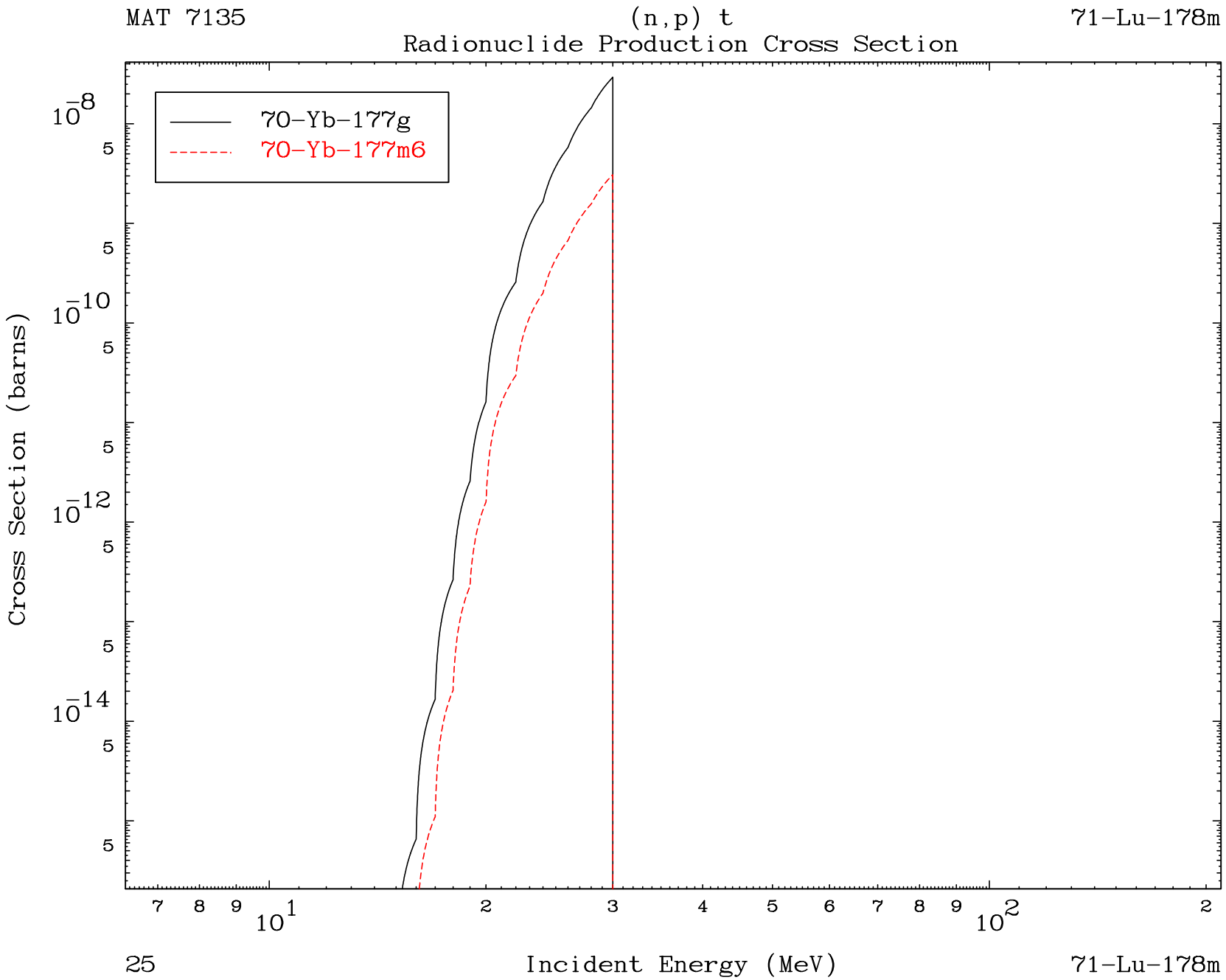

MAT 7135
(n,4n)
71-Lu-178m
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177
Cross Section (barns)
Incident Energy (MeV)
20
71-Lu-178m


MAT 7135
(n,2n) p
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
21
71-Lu-178m


MAT 7135
(n,3n) p
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
22
71-Lu-178m


MAT 7135
(n,t)
71-Lu-178m
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
23
71-Lu-178m


MAT 7135
(n,α)
71-Lu-178m
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
24
71-Lu-178m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(n,p) t
71-Lu-178m
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
25
71-Lu-178m