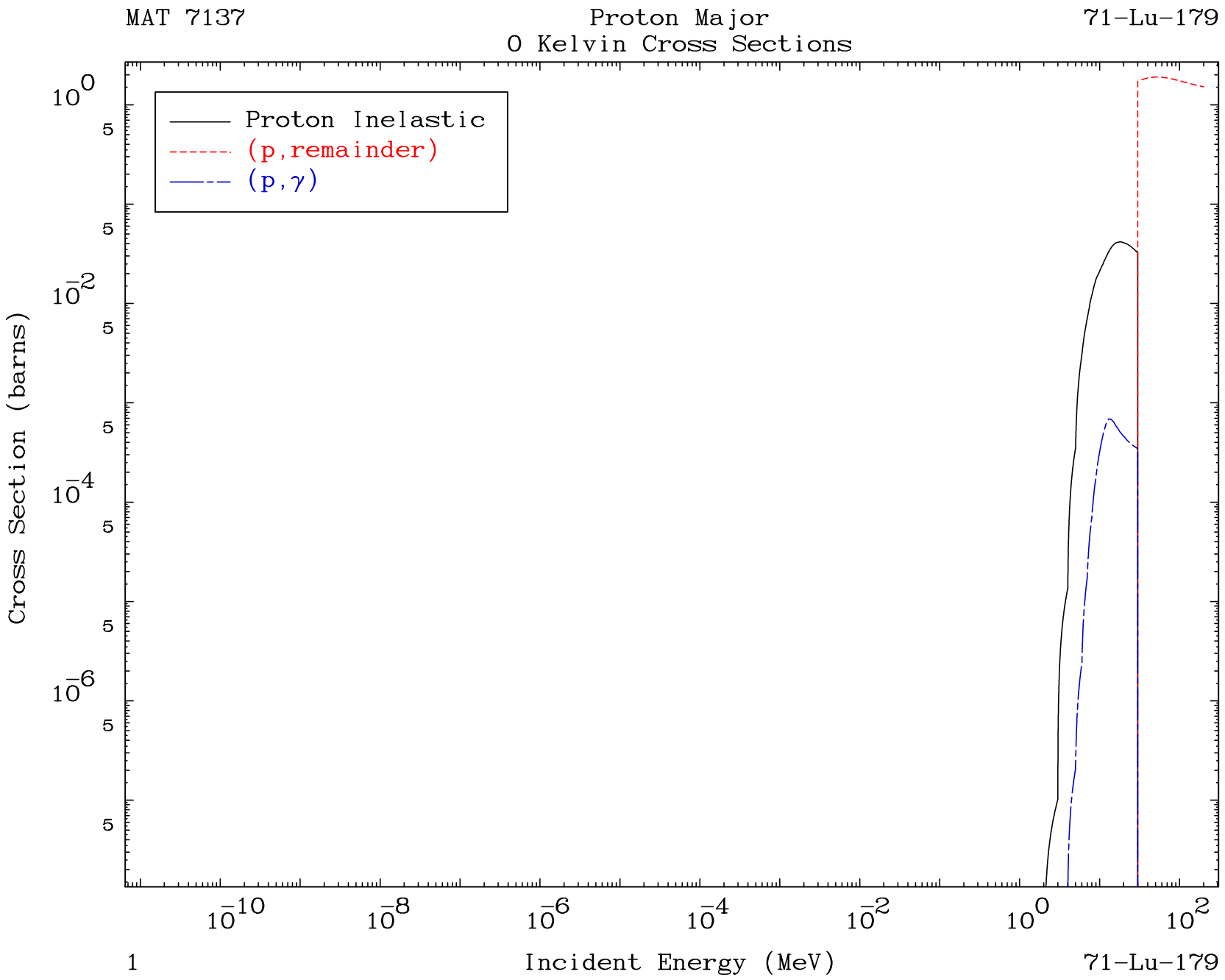
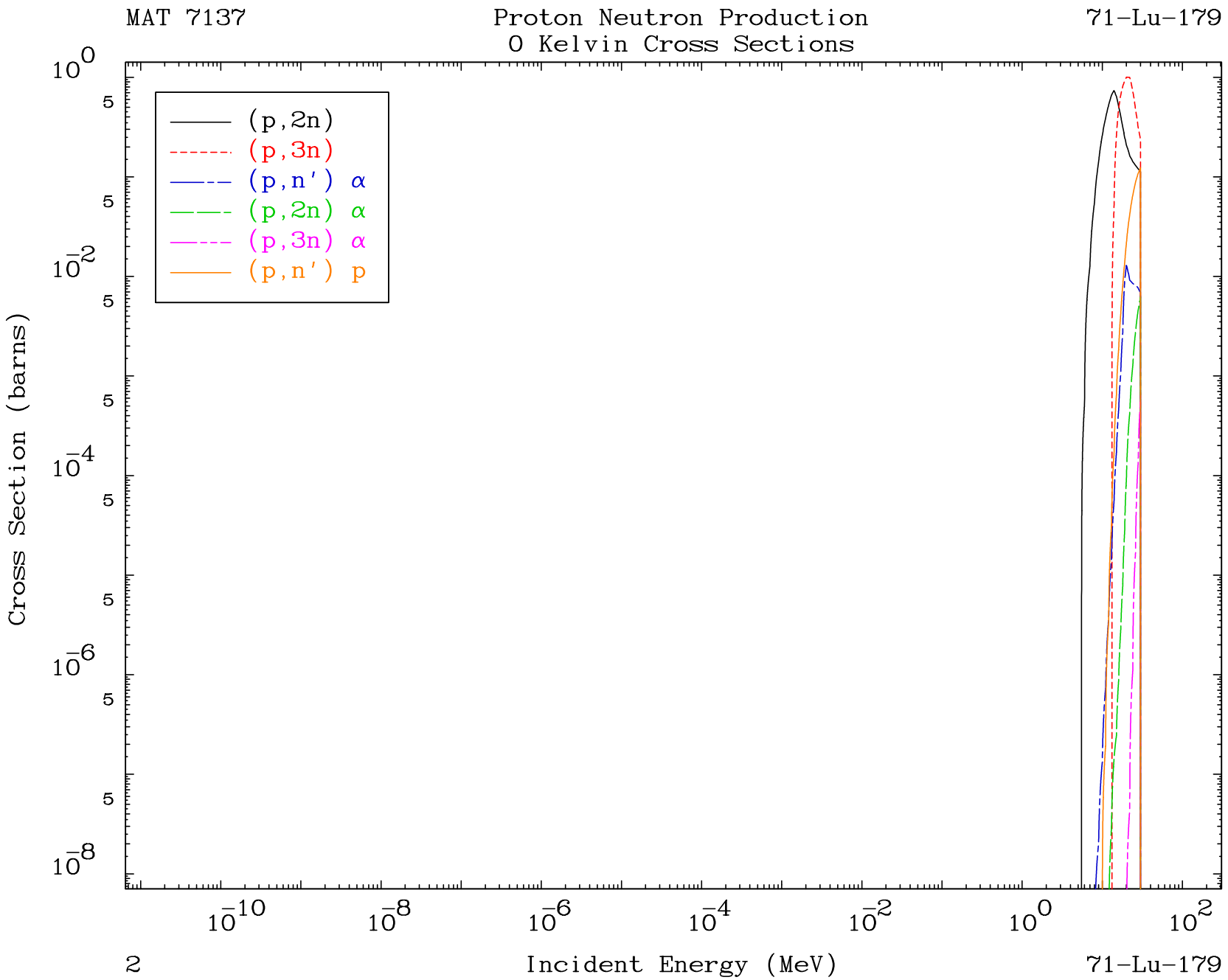
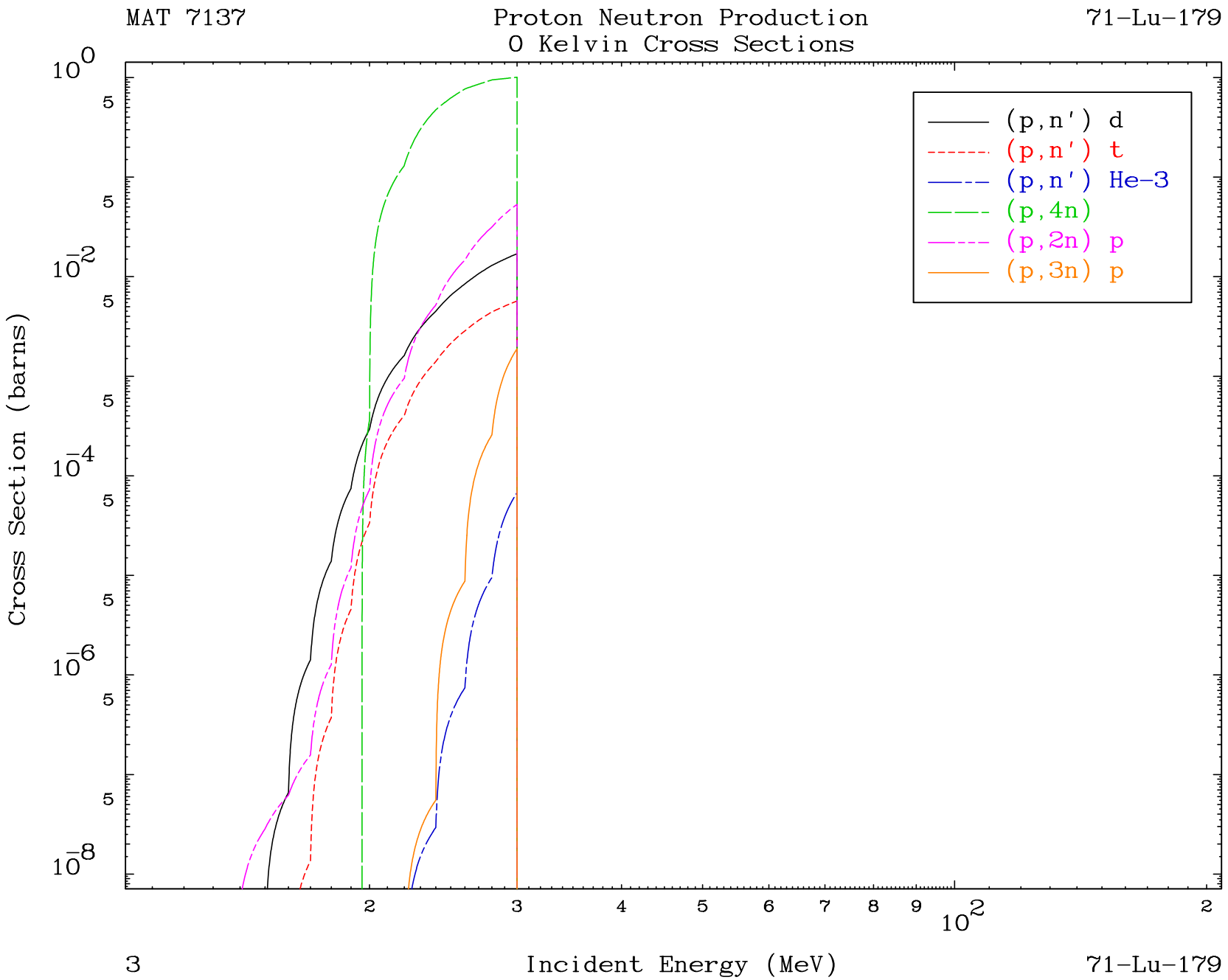
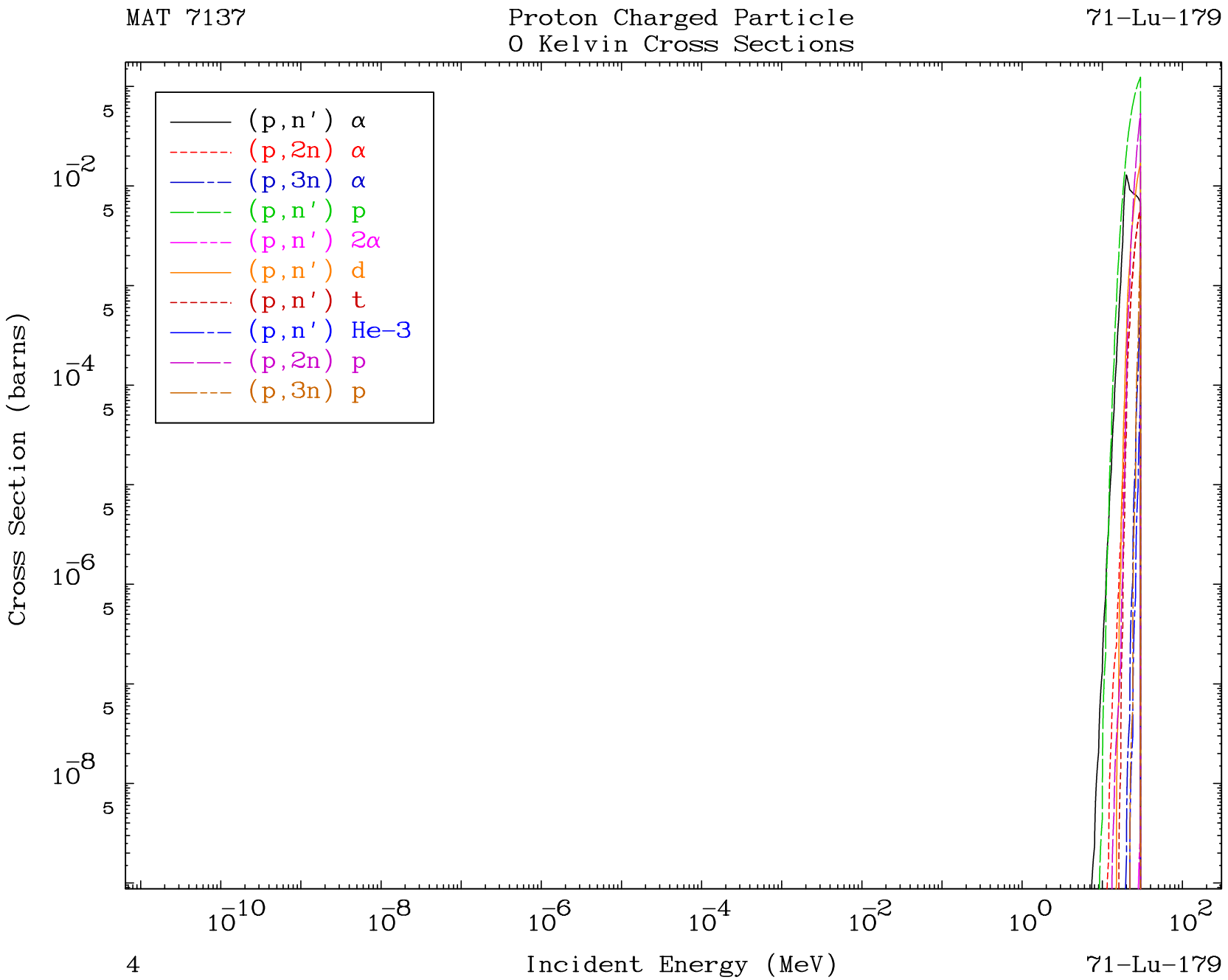
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

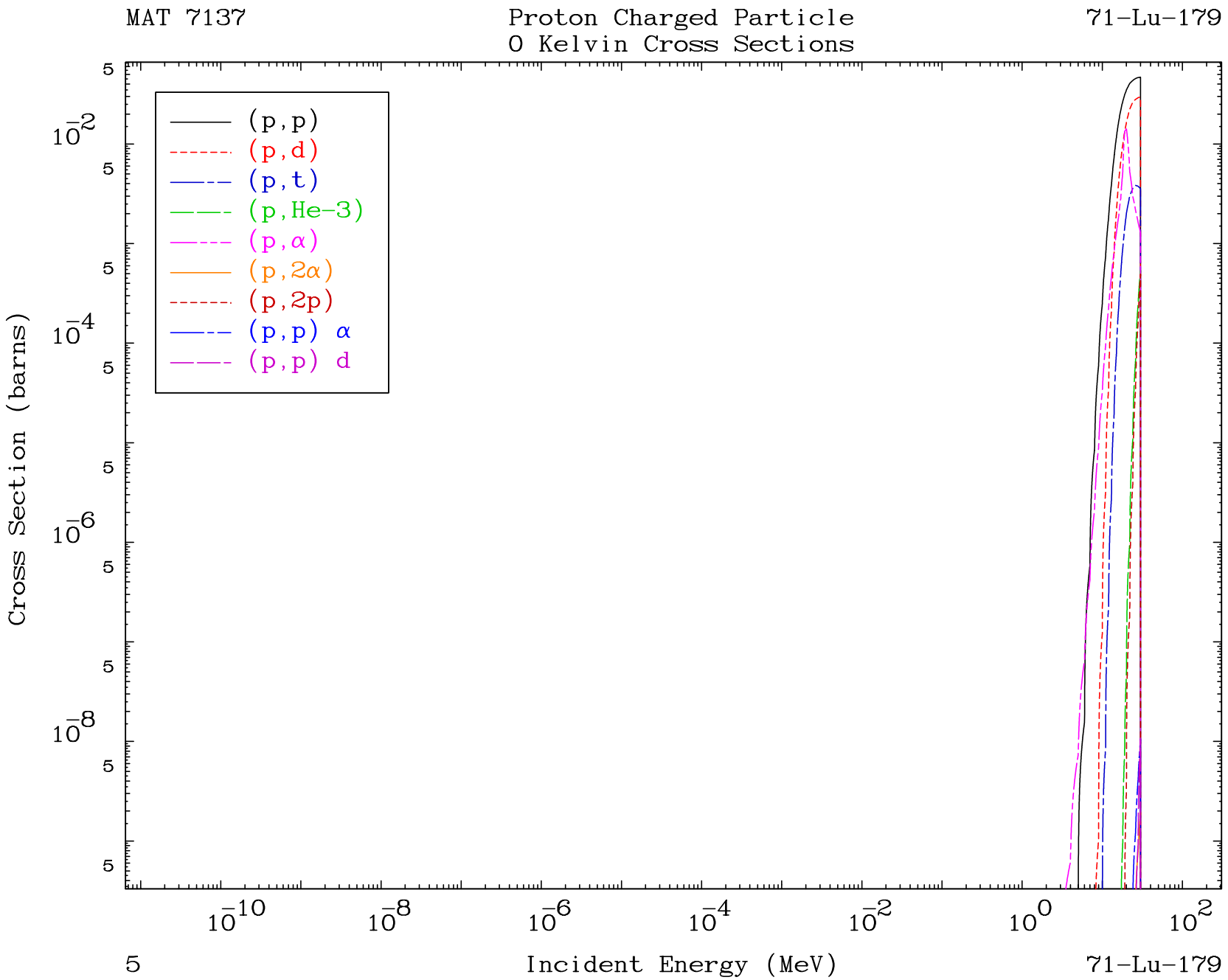
Press Mouse Button to Start

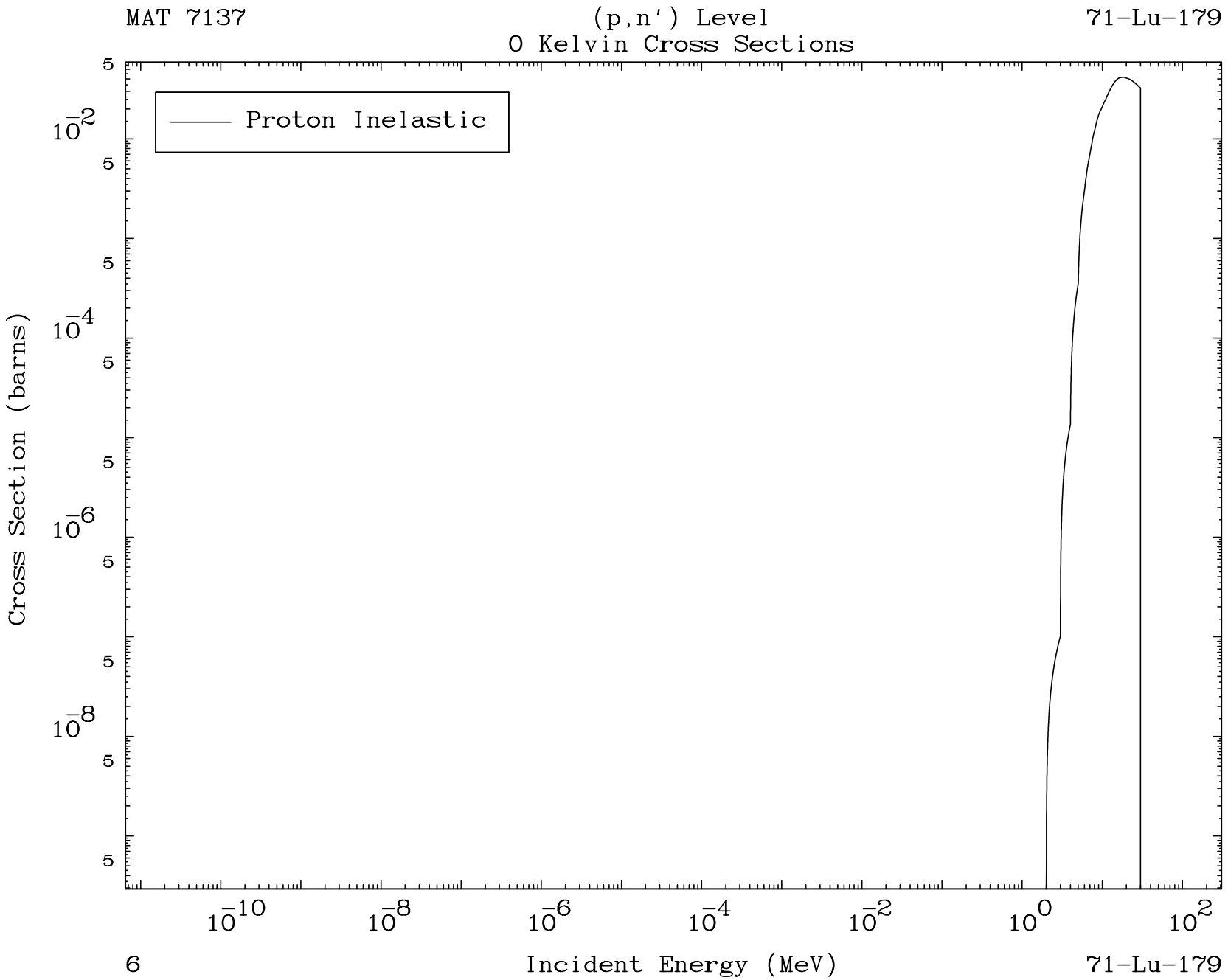

MAT 7137
Proton Major
71-Lu-179
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-179
1

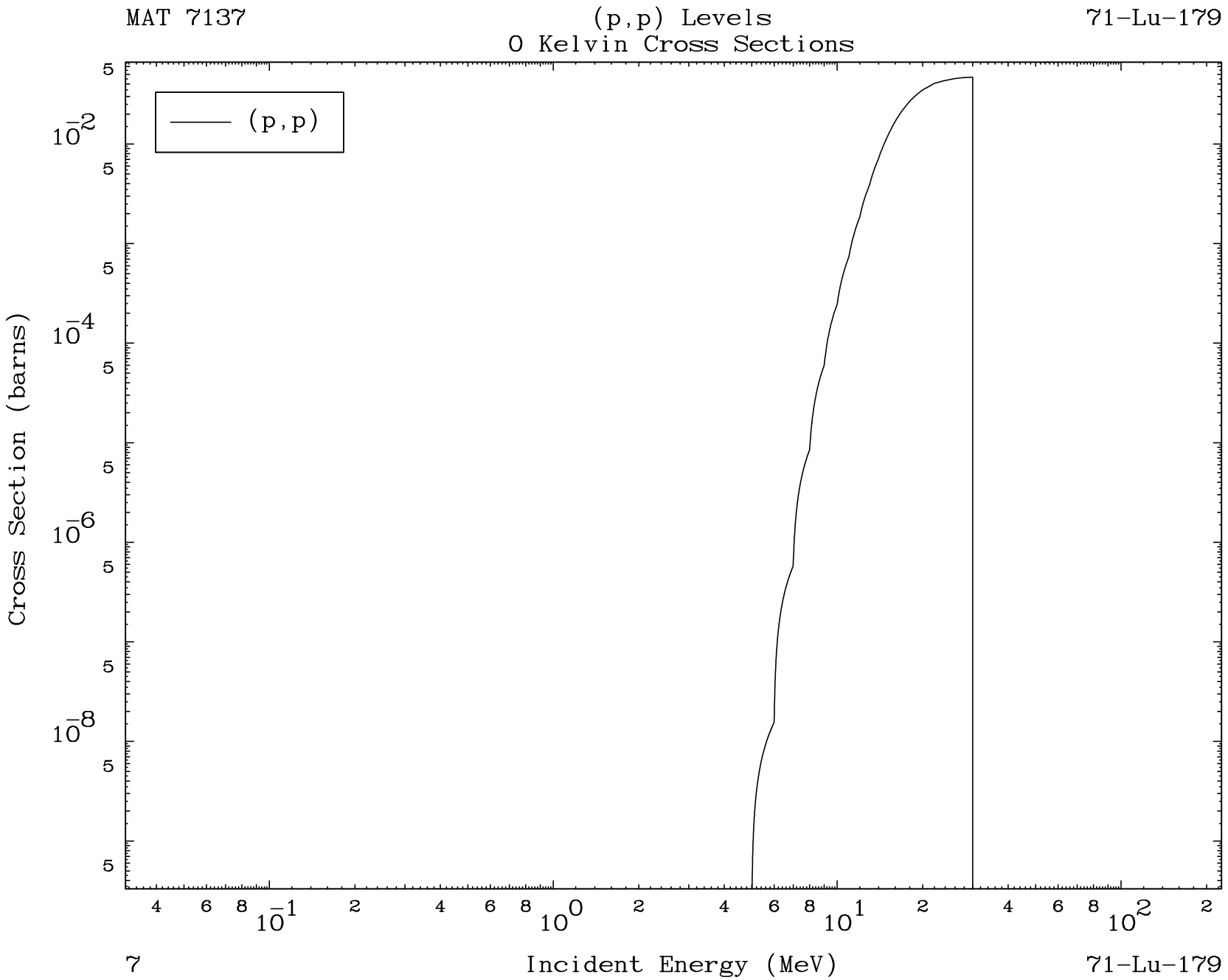

MAT 7137
Proton Neutron Production
0 Kelvin Cross Sections
71-Lu-179
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
2
71-Lu-179

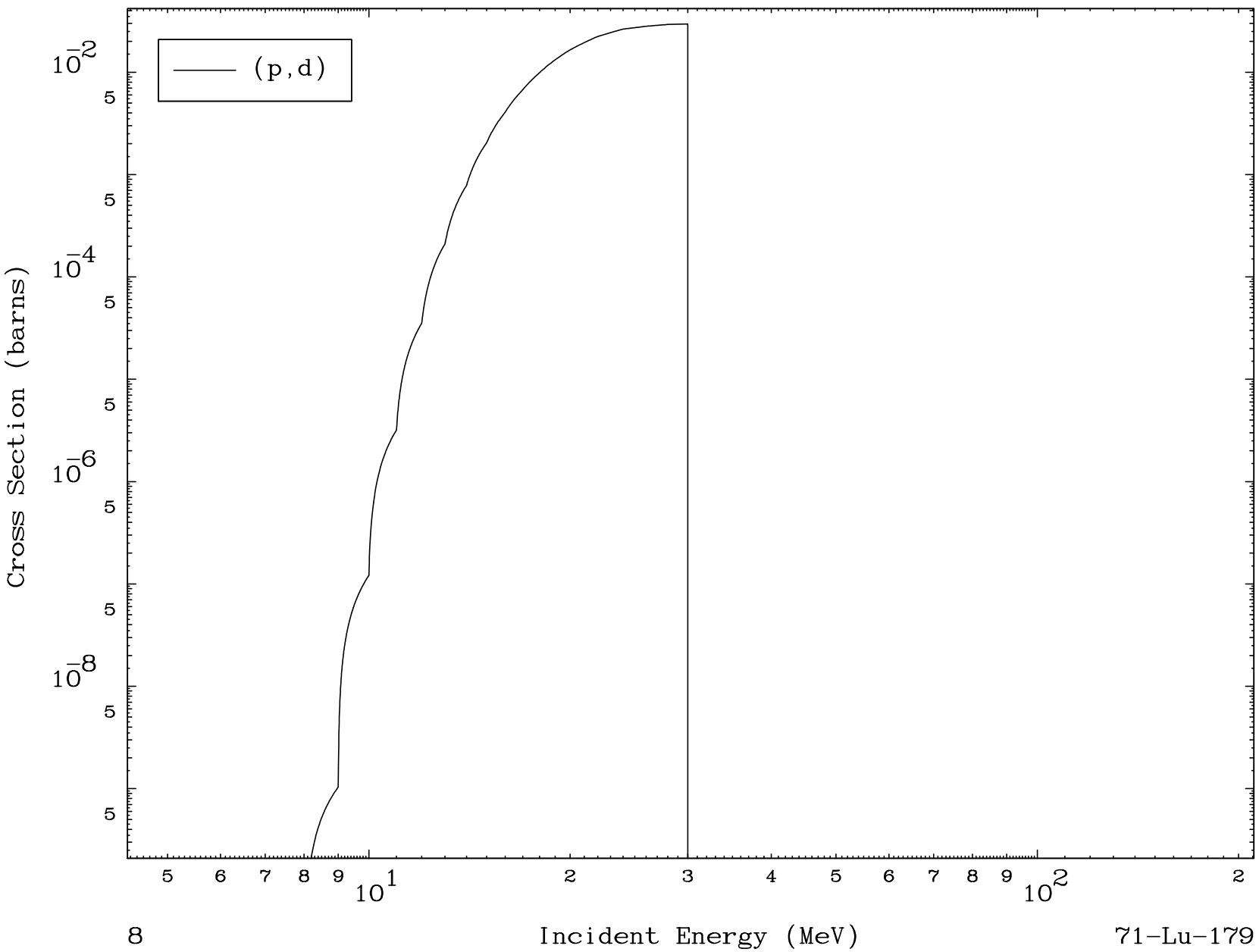

MAT 7137
Proton Neutron Production
0 Kelvin Cross Sections
71-Lu-179
Cross Section (barns)
Incident Energy (MeV)
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
3
71-Lu-179

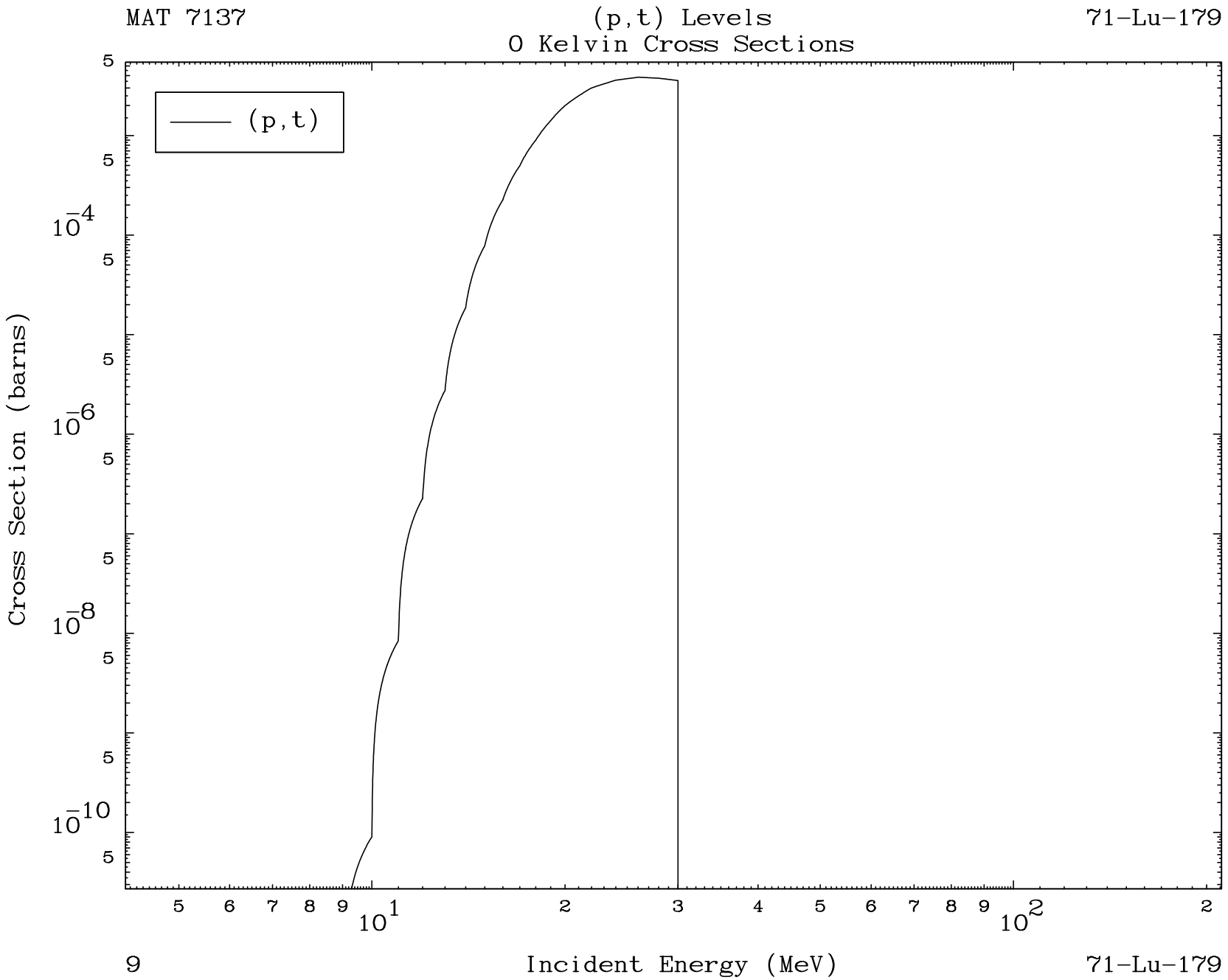

MAT 7137
Proton Charged Particle
0 Kelvin Cross Sections
71-Lu-179
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
4
71-Lu-179

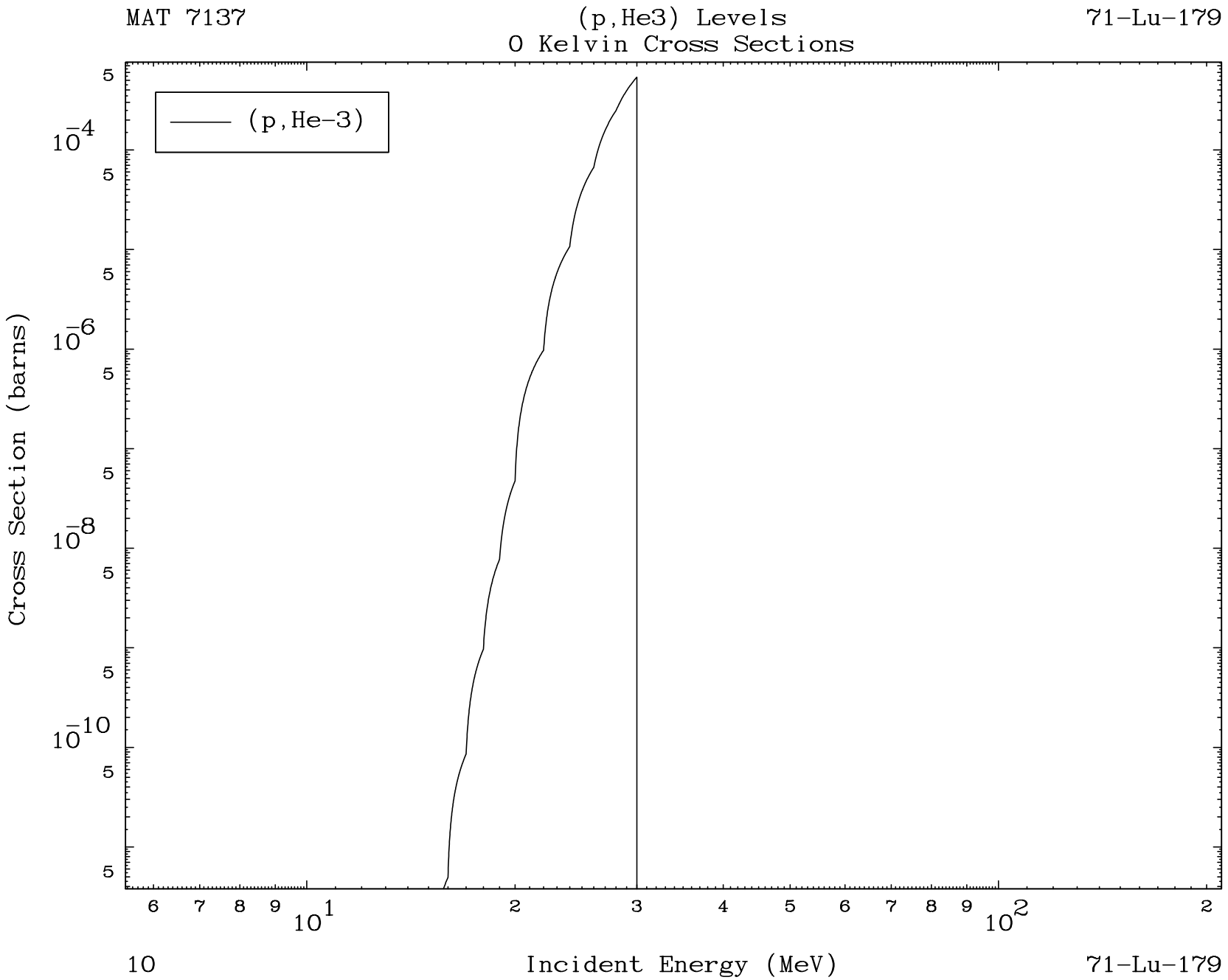

MAT 7137
Proton Charged Particle
0 Kelvin Cross Sections
71-Lu-179
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
Cross Section (barns)
Incident Energy (MeV)
71-Lu-179

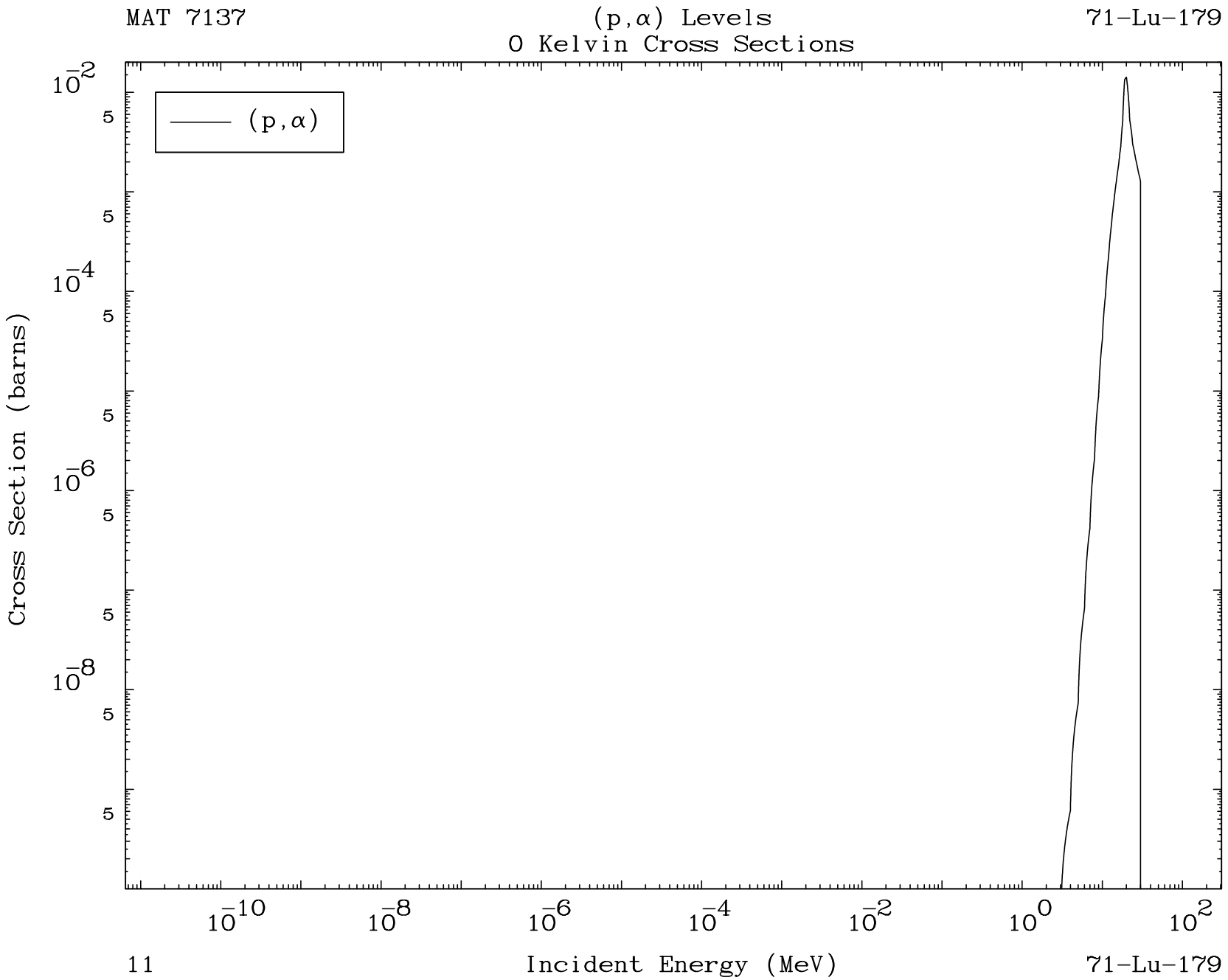

MAT 7137
(p,n') Level
71-Lu-179
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-179

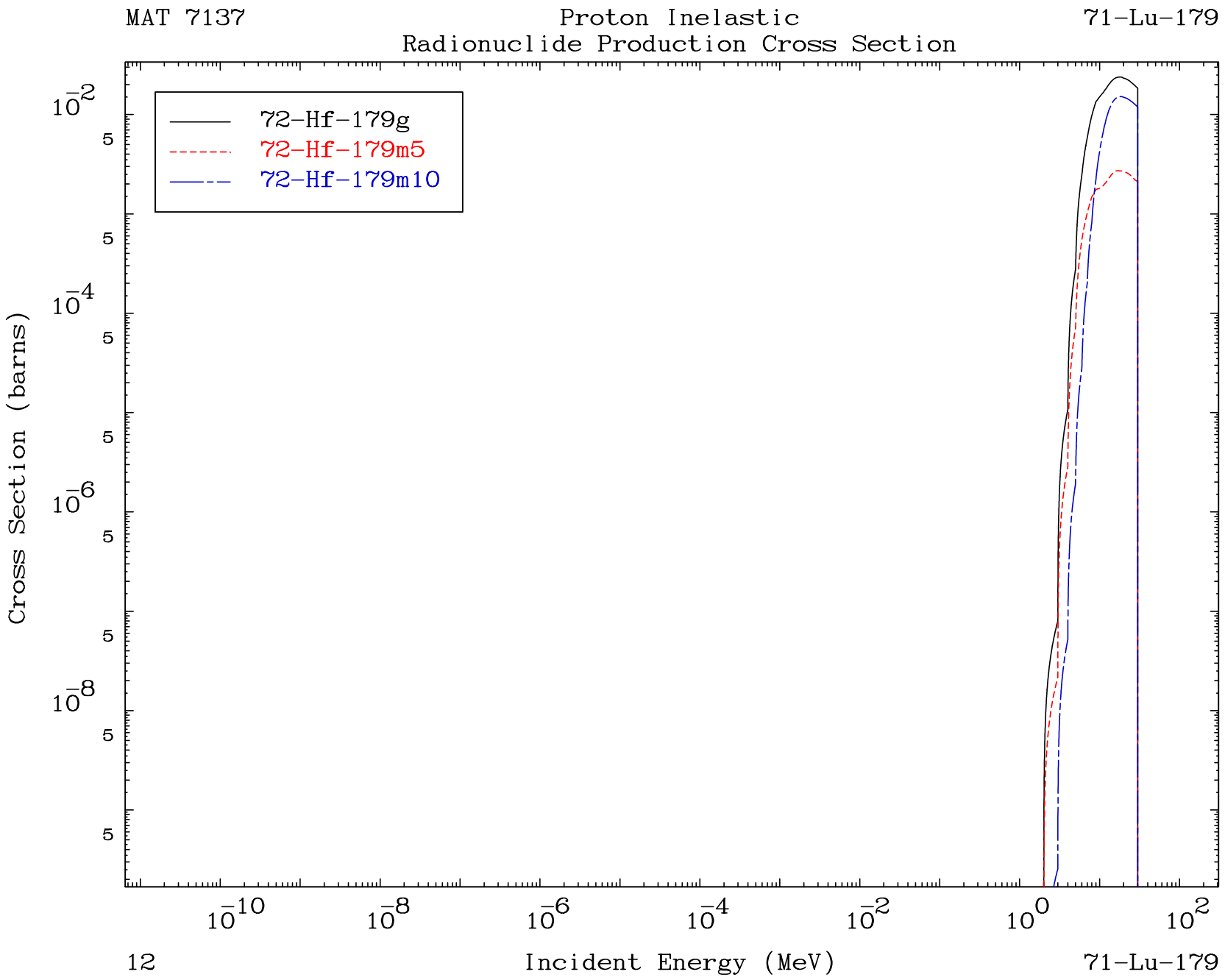

MAT 7137
(p,p) Levels
71-Lu-179
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
71-Lu-179

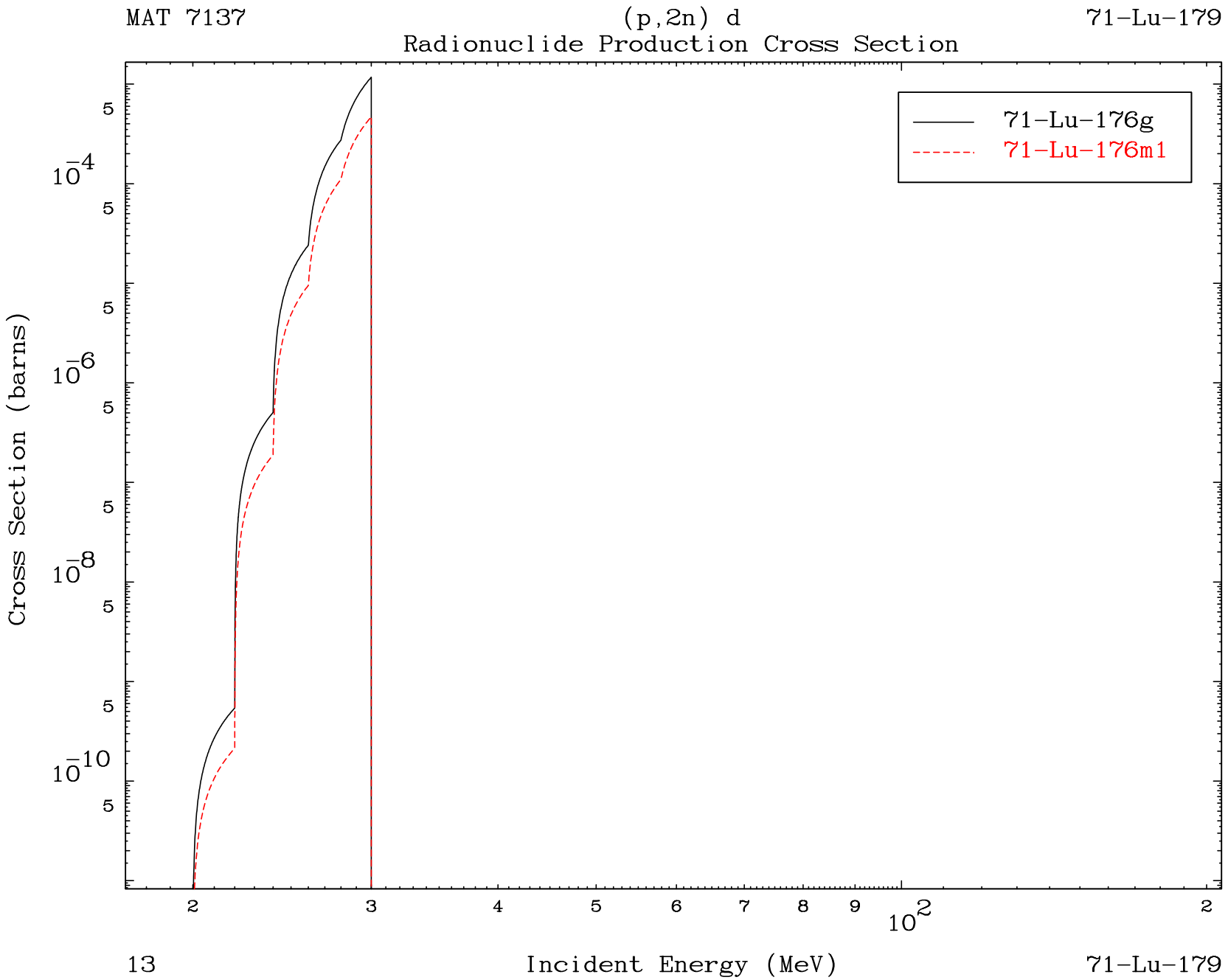

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

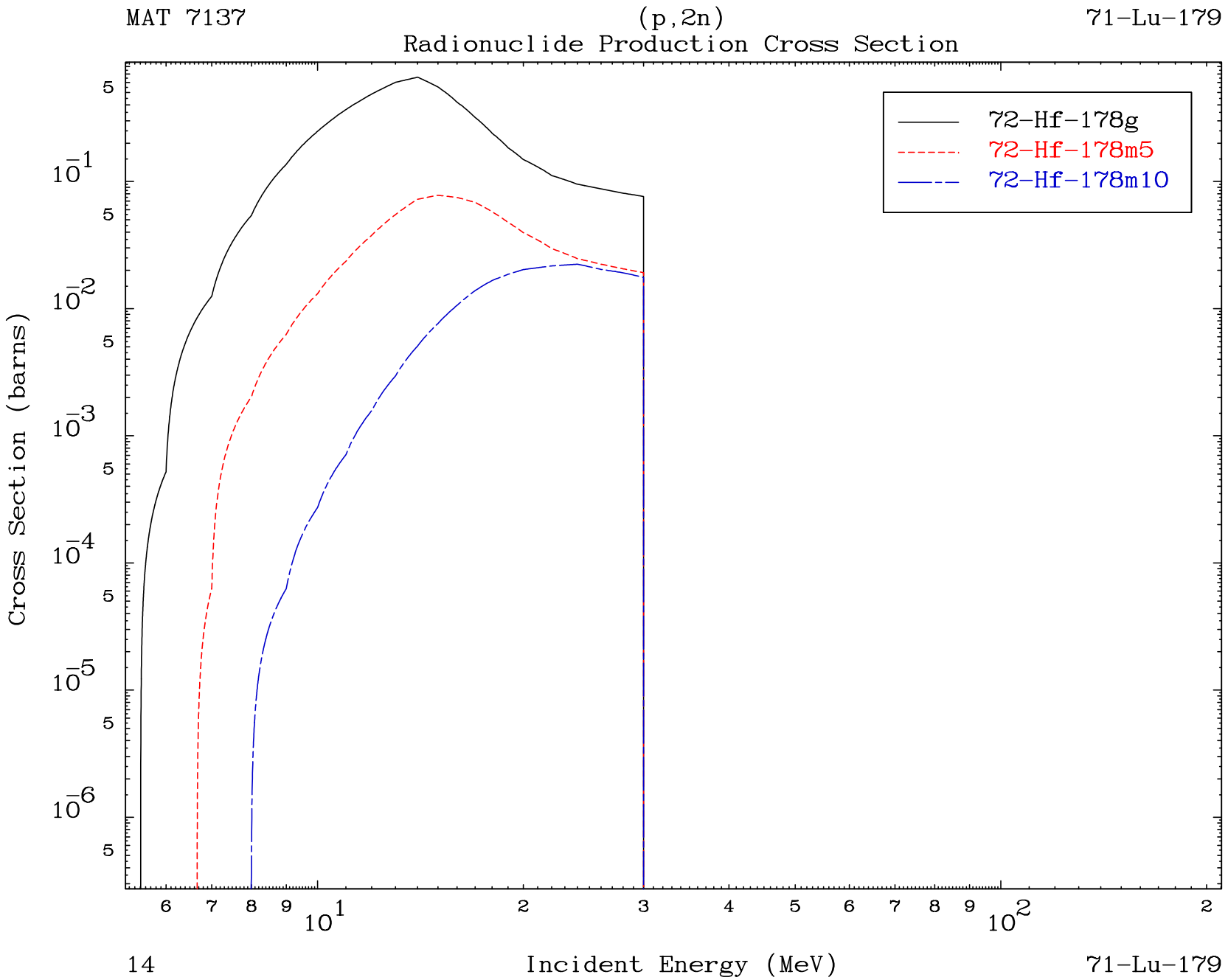

MAT 7137
(p,t) Levels
71-Lu-179
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
9
71-Lu-179

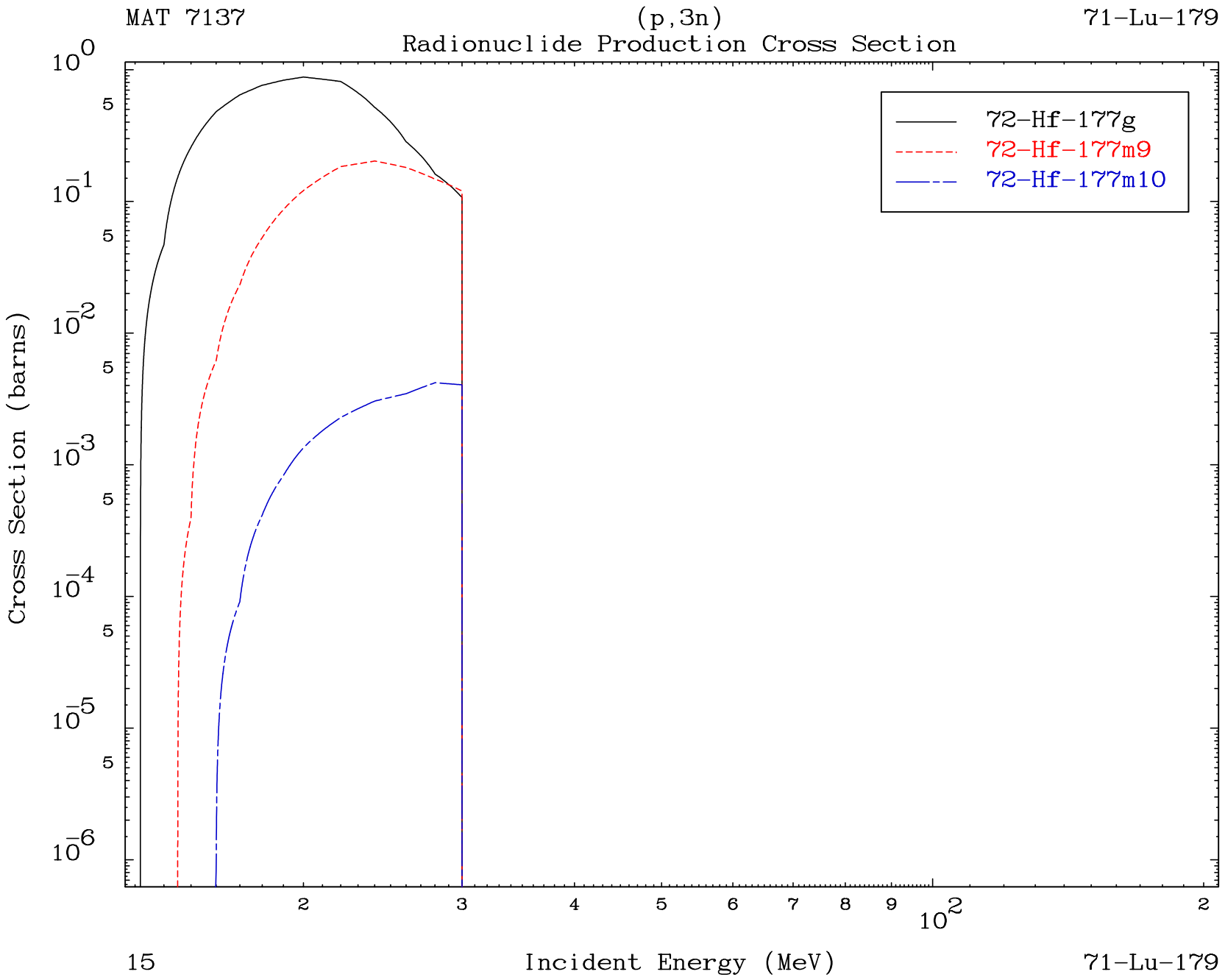

MAT 7137
(p,He3) Levels
71-Lu-179
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-179

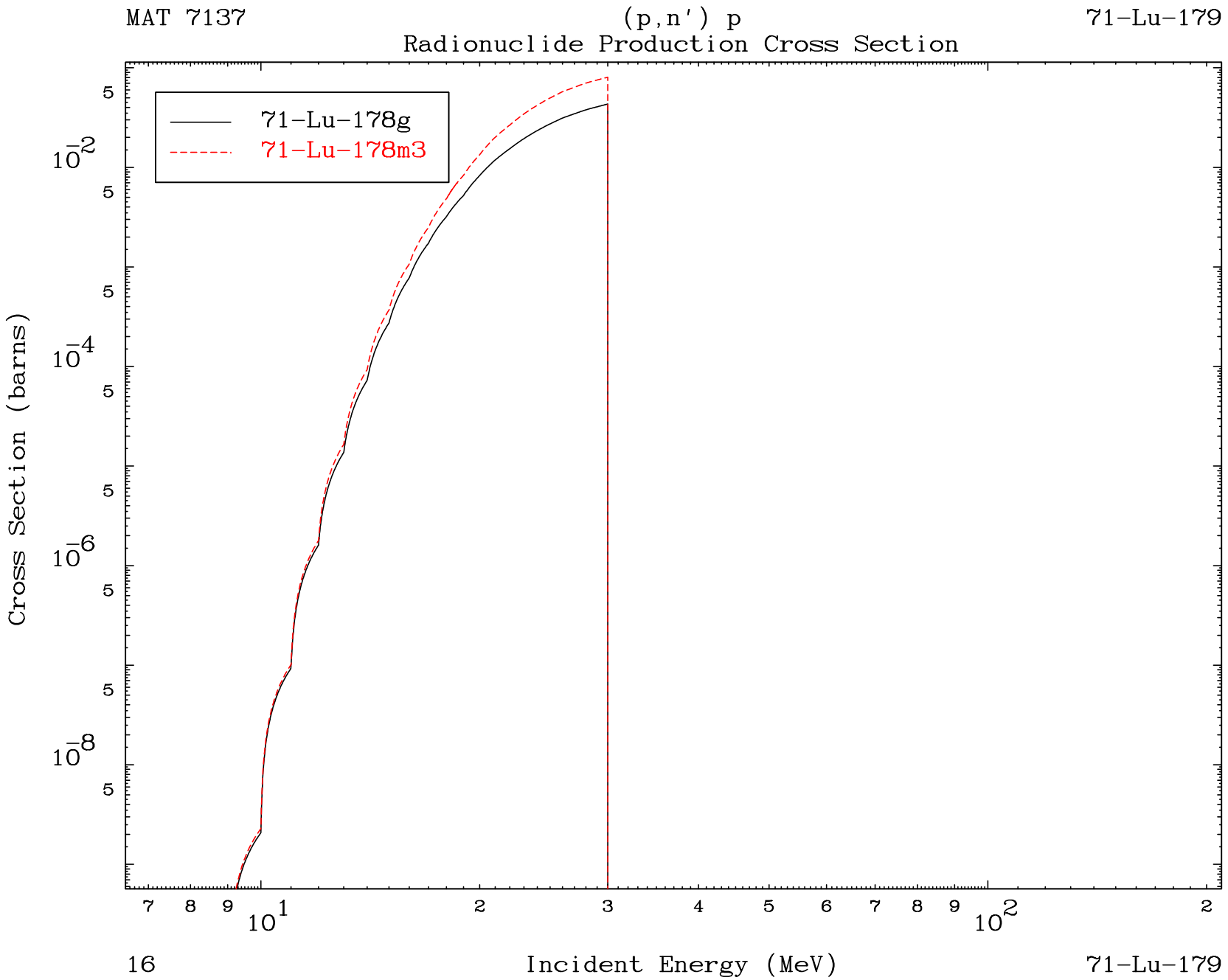

MAT 7137
(p,α) Levels
71-Lu-179
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-179

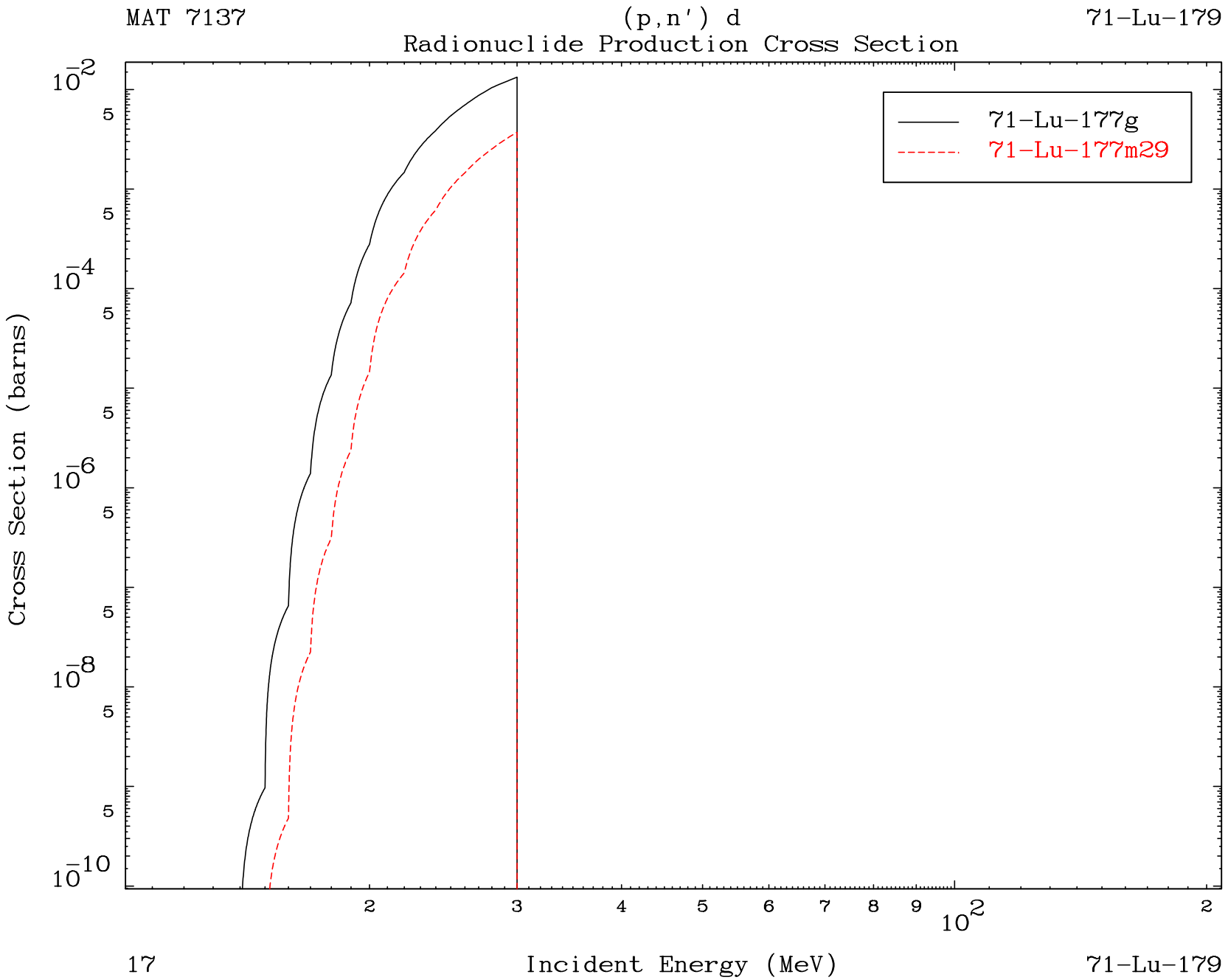

MAT 7137
Proton Inelastic
71-Lu-179
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m10
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-179

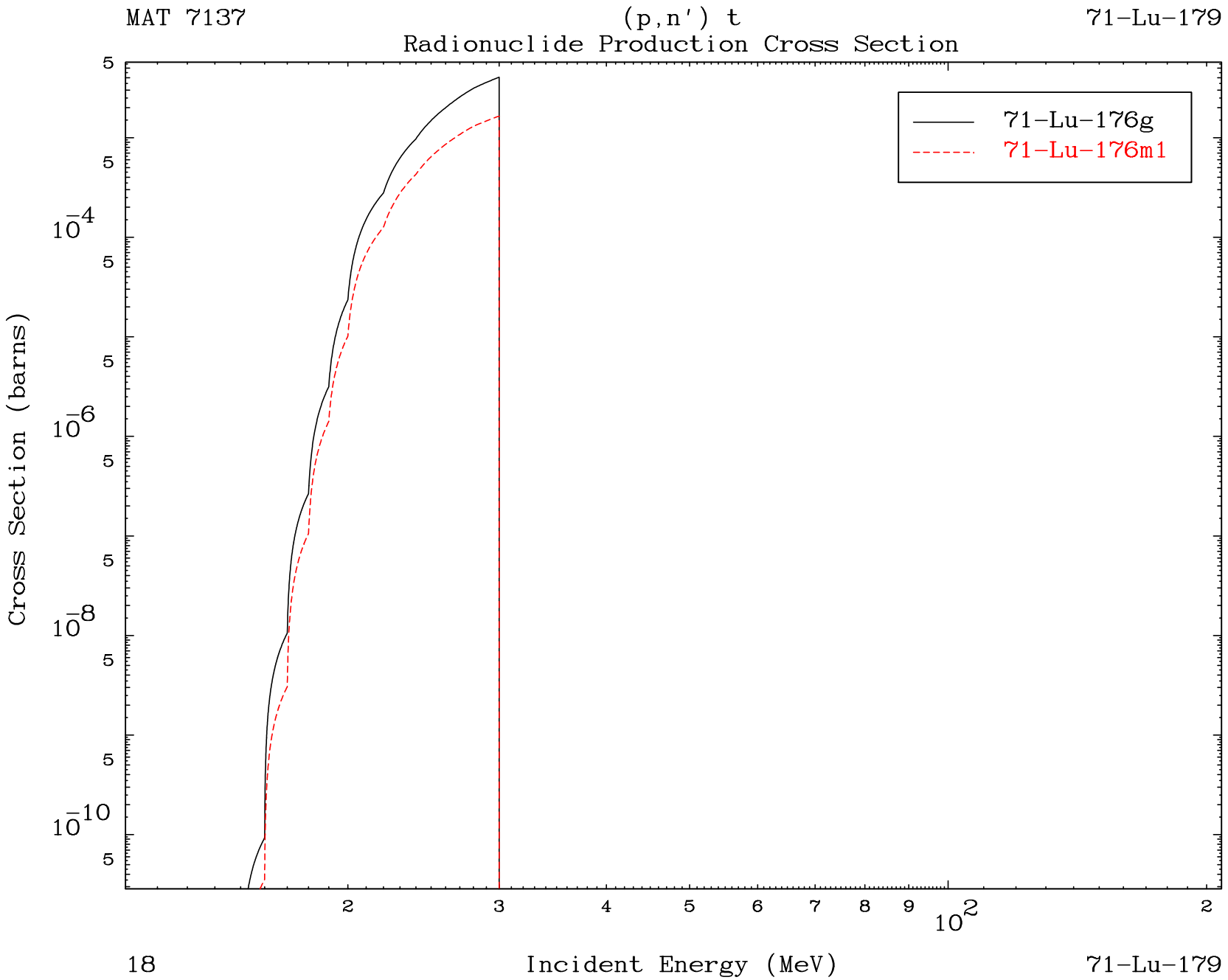

MAT 7137
(p,2n) d
71-Lu-179
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
71-Lu-179

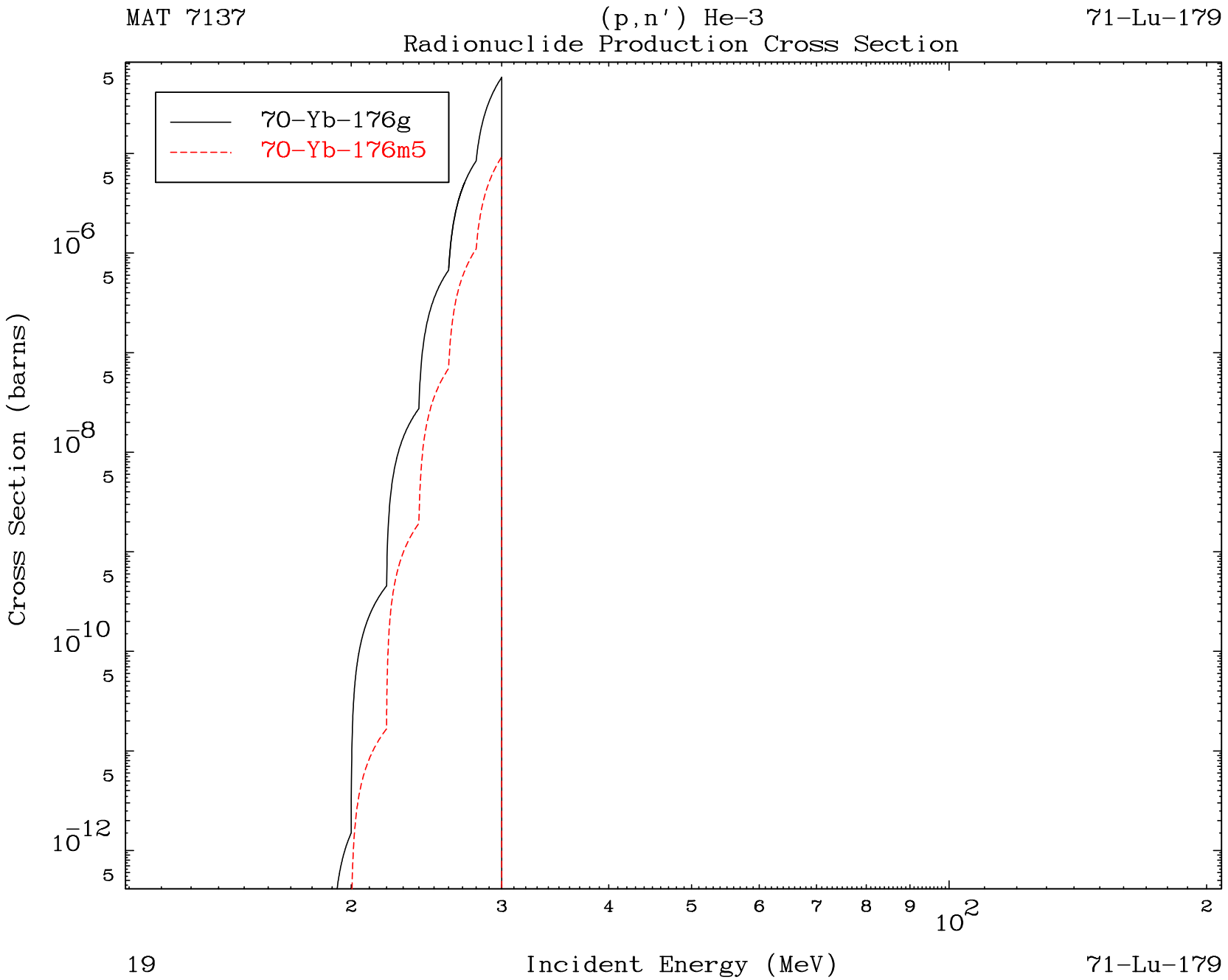

MAT 7137
(p,2n)
71-Lu-179
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178m10
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-179

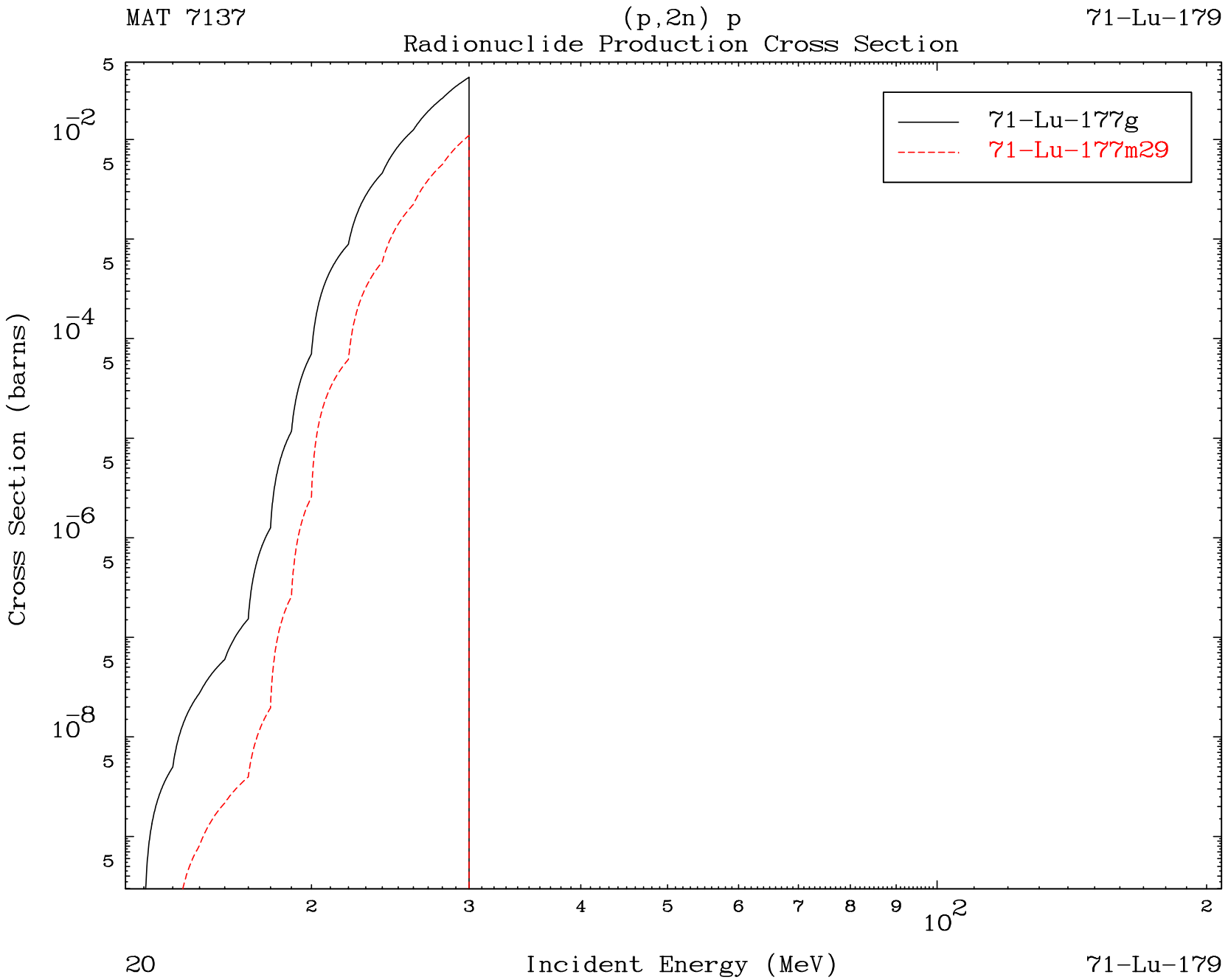

MAT 7137
(p,3n)
71-Lu-179
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177m9
72-Hf-177m10
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-179

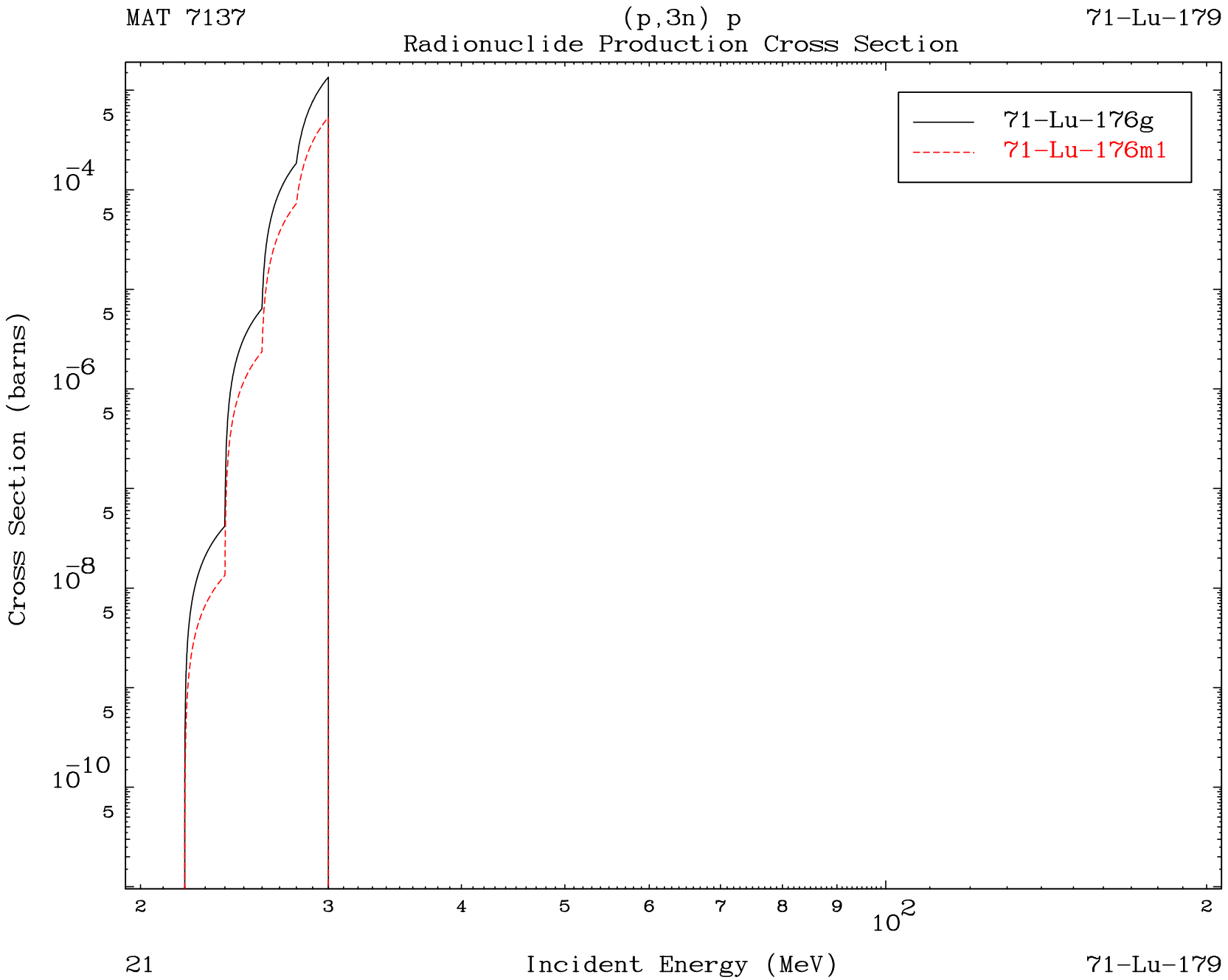

MAT 7137
(p,n') p
71-Lu-179
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-179

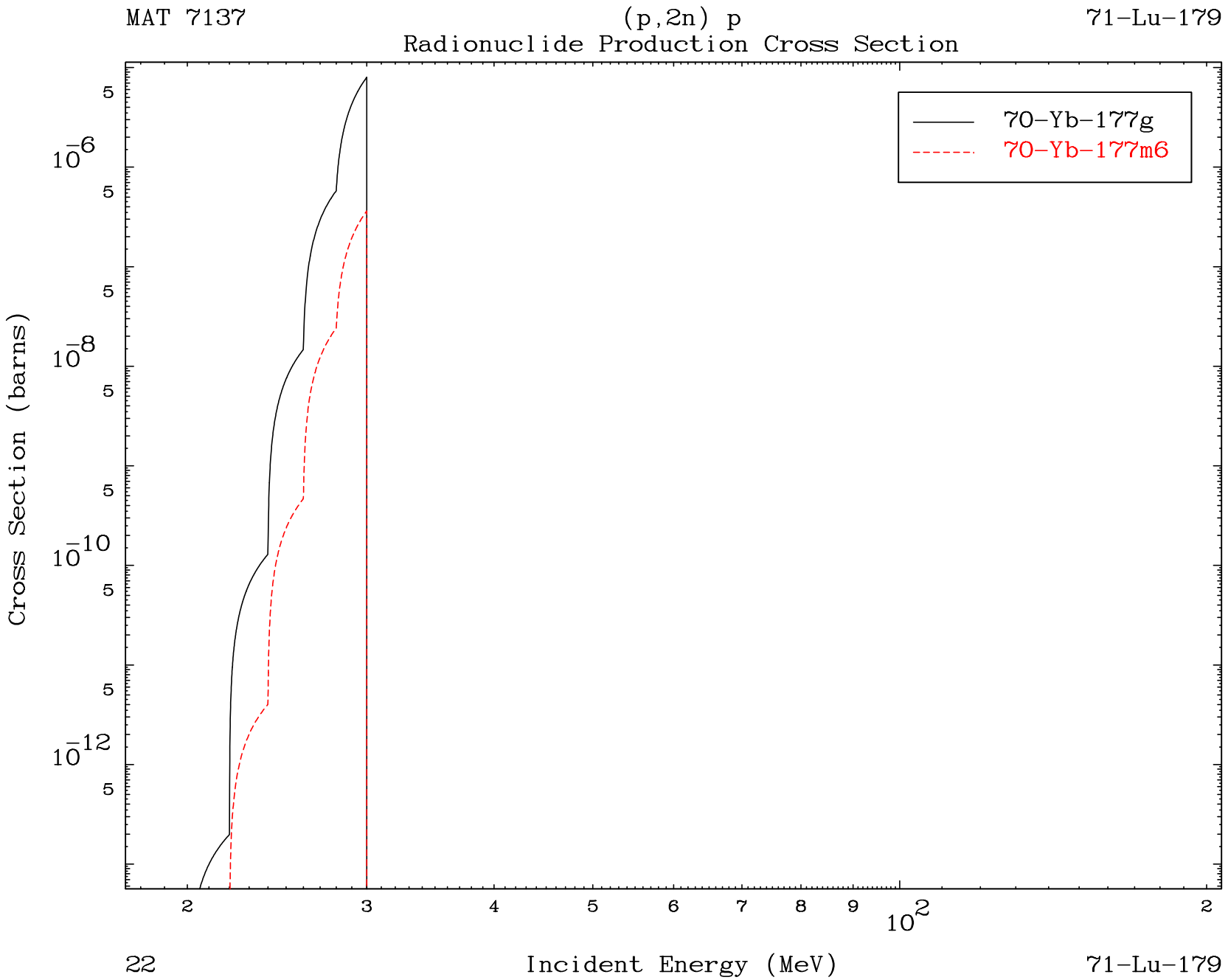

MAT 7137
(p,n') d
71-Lu-179
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
17
71-Lu-179

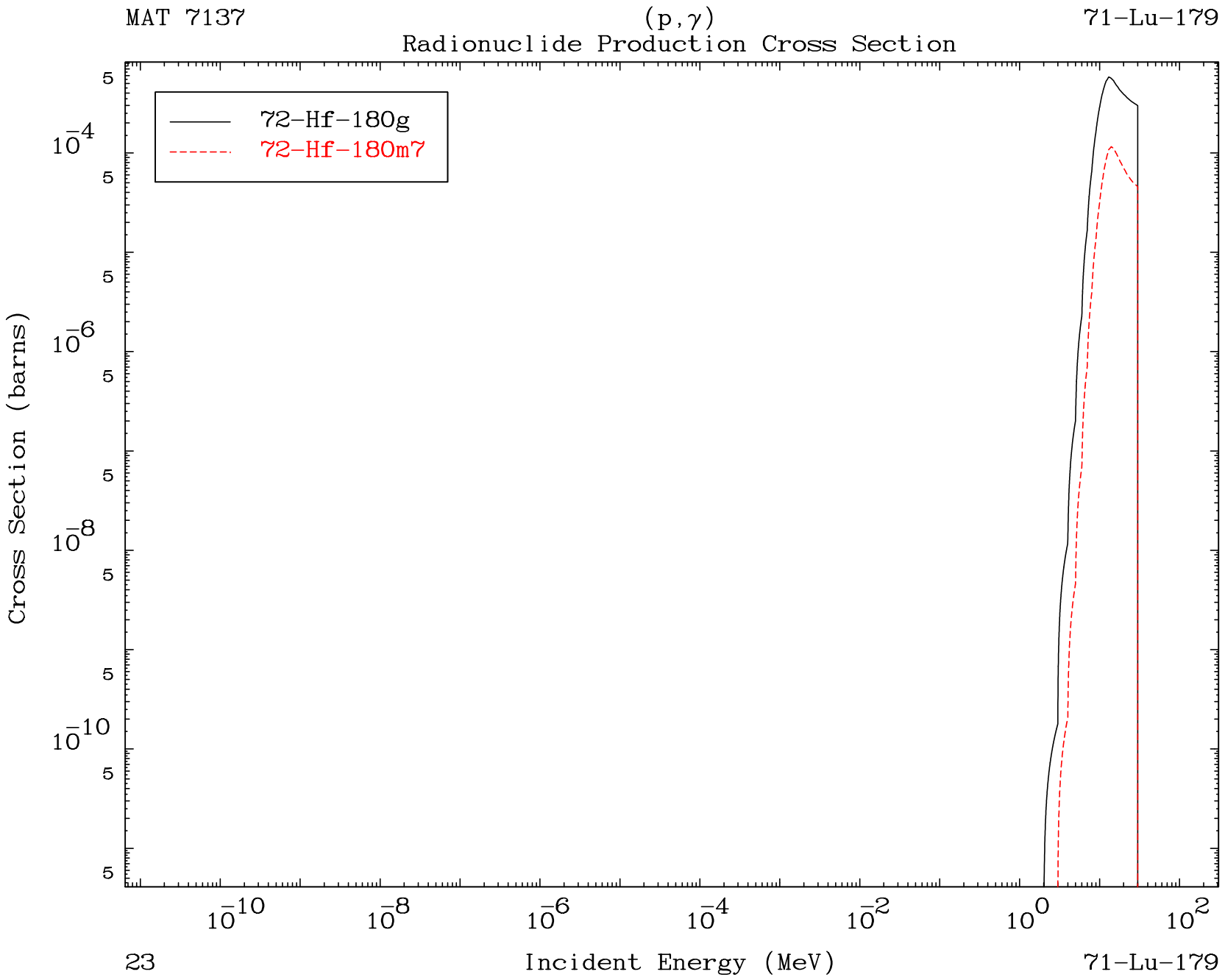

MAT 7137
(p,n') t
71-Lu-179
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
71-Lu-179

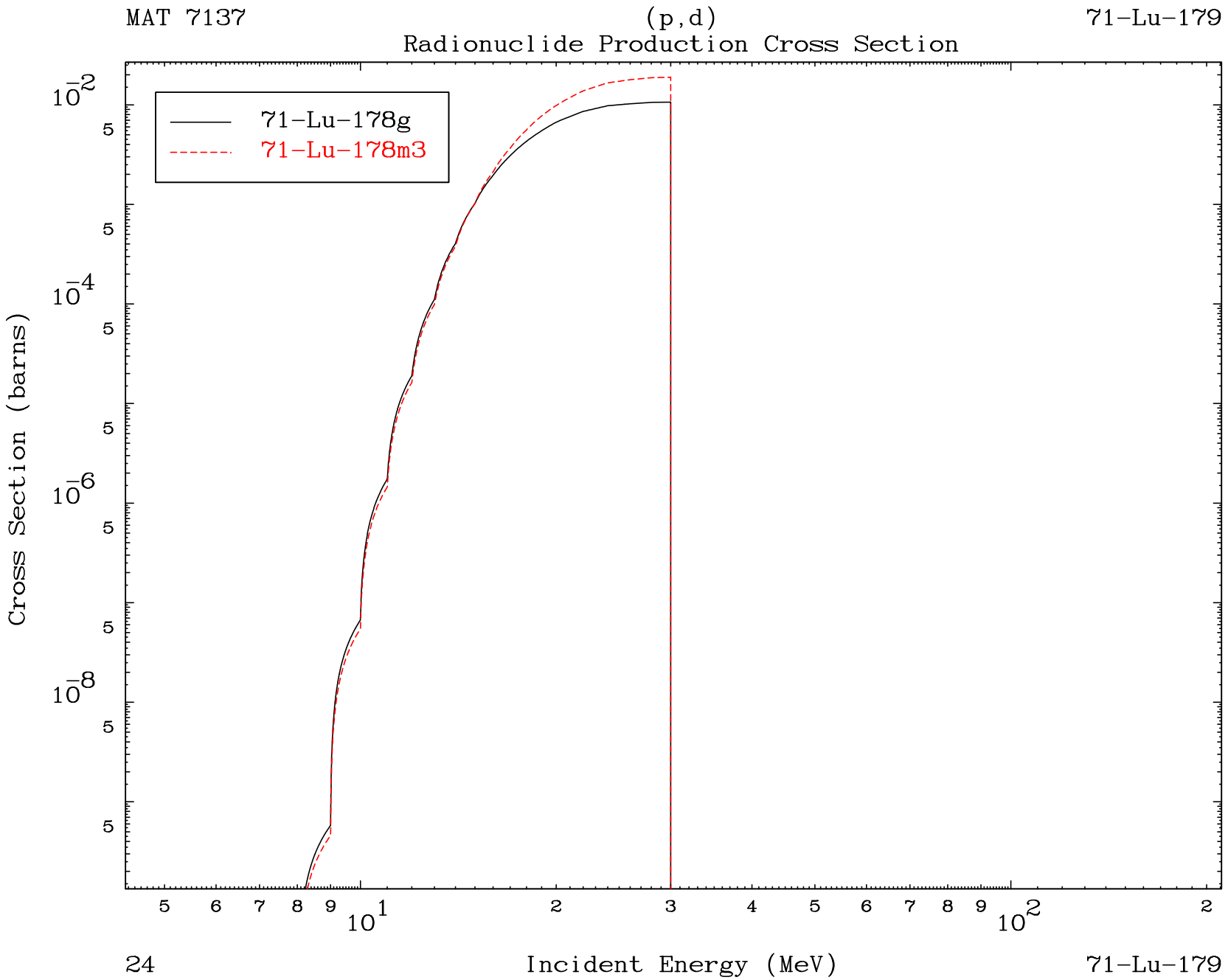

MAT 7137
(p,n') He-3
71-Lu-179
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
71-Lu-179

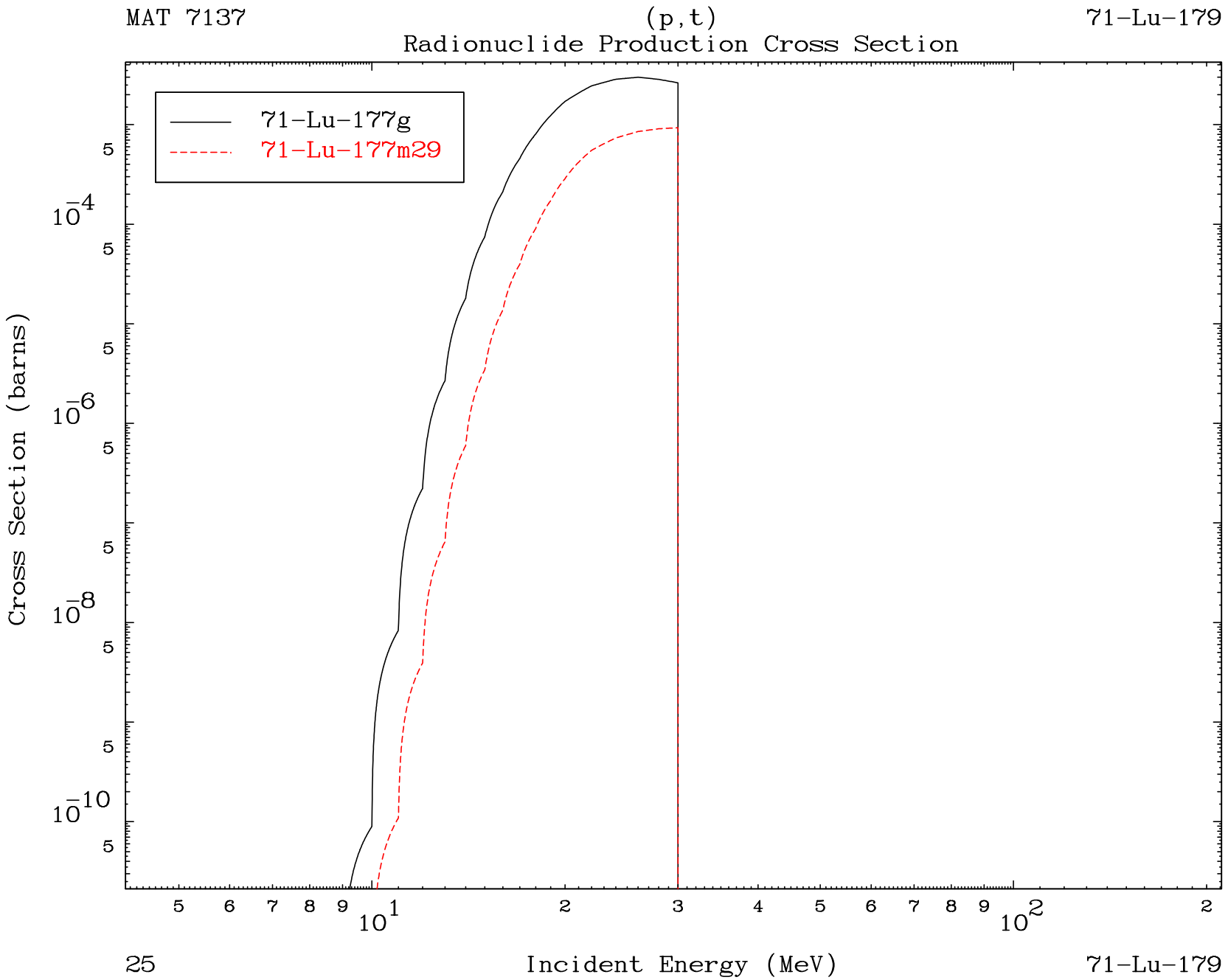

MAT 7137
(p,2n) p
71-Lu-179
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
71-Lu-179

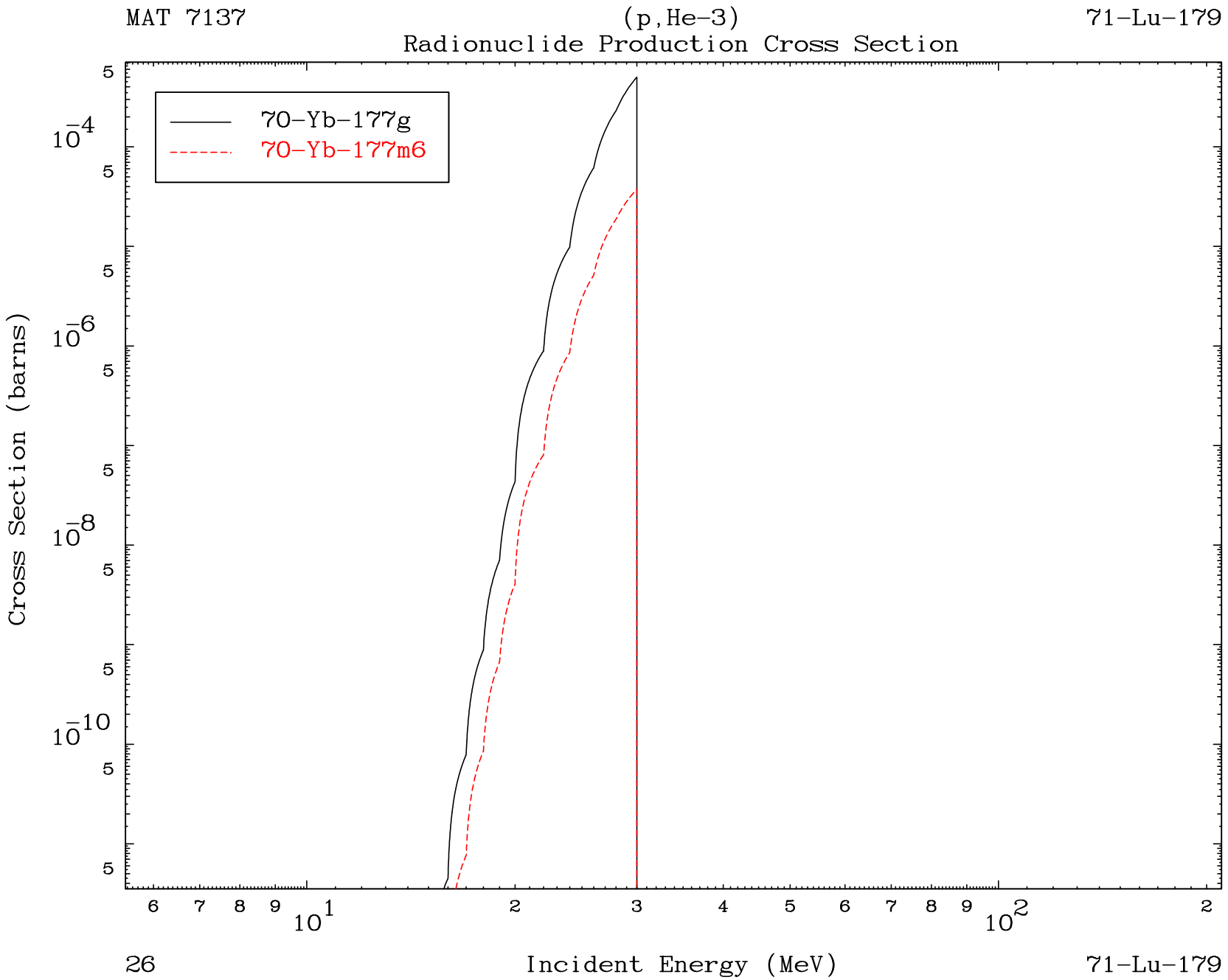

MAT 7137
(p,3n) p
71-Lu-179
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
71-Lu-179

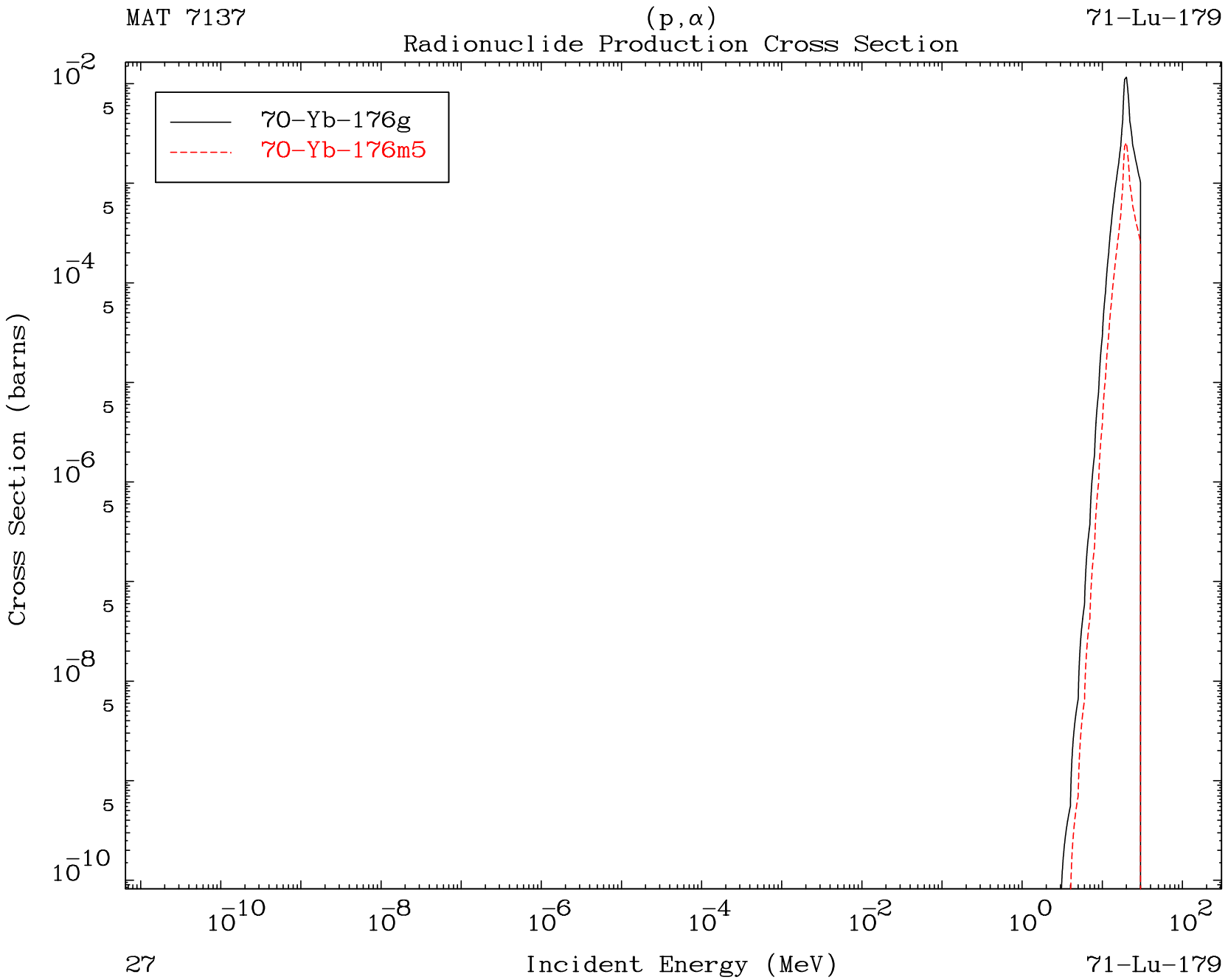

MAT 7137
(p,2n) p
71-Lu-179
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
22
71-Lu-179

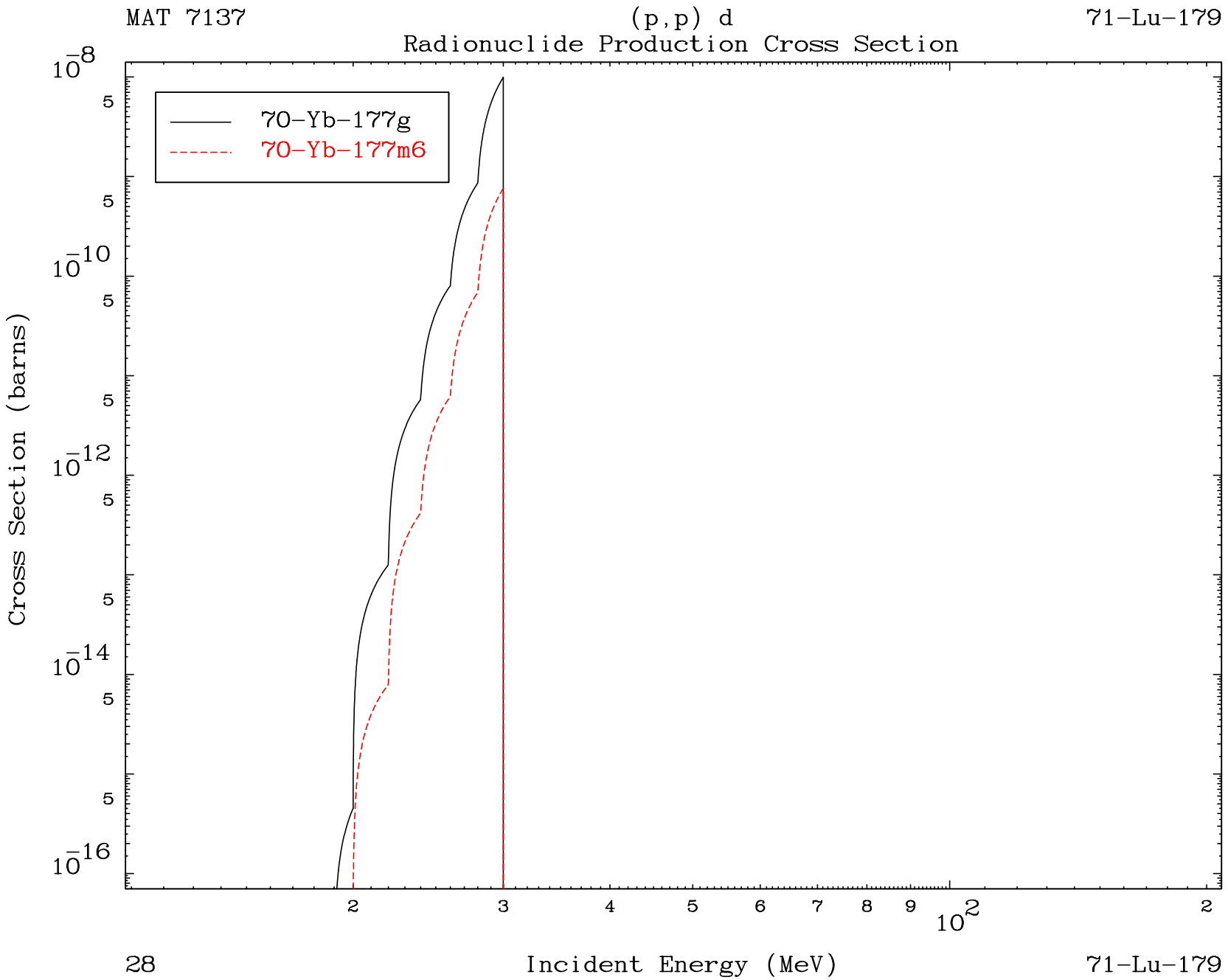

MAT 7137
(p,γ)
71-Lu-179
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m7
Cross Section (barns)
Incident Energy (MeV)
23
71-Lu-179


MAT 7137
(p,d)
71-Lu-179
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
24
71-Lu-179


MAT 7137
(p,t)
71-Lu-179
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
25
71-Lu-179


MAT 7137
(p,He-3)
71-Lu-179
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
26
71-Lu-179


MAT 7137
(p,α)
71-Lu-179
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
27
71-Lu-179


MAT 7137
(p,p) d
71-Lu-179
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
10-16
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
71-Lu-179