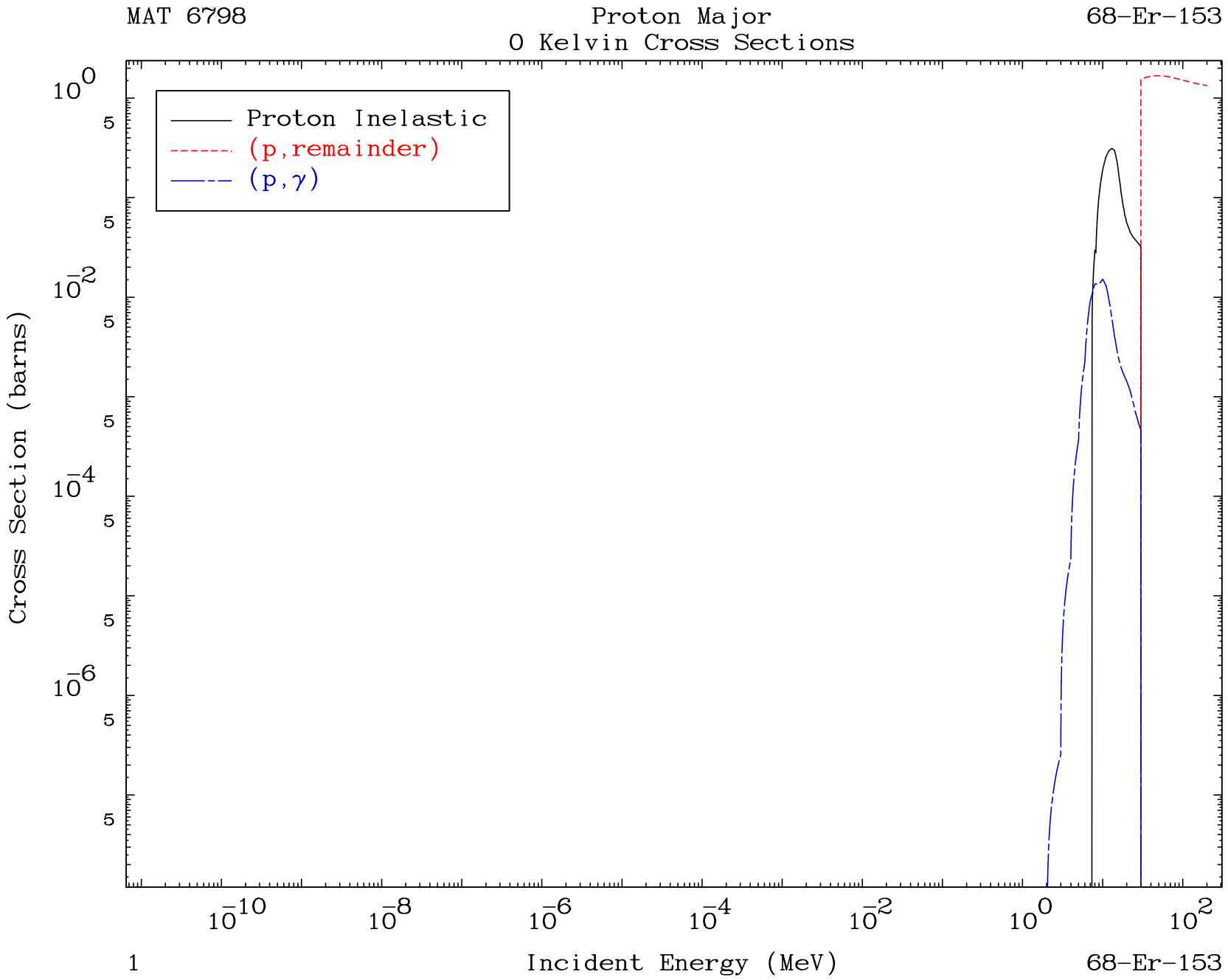
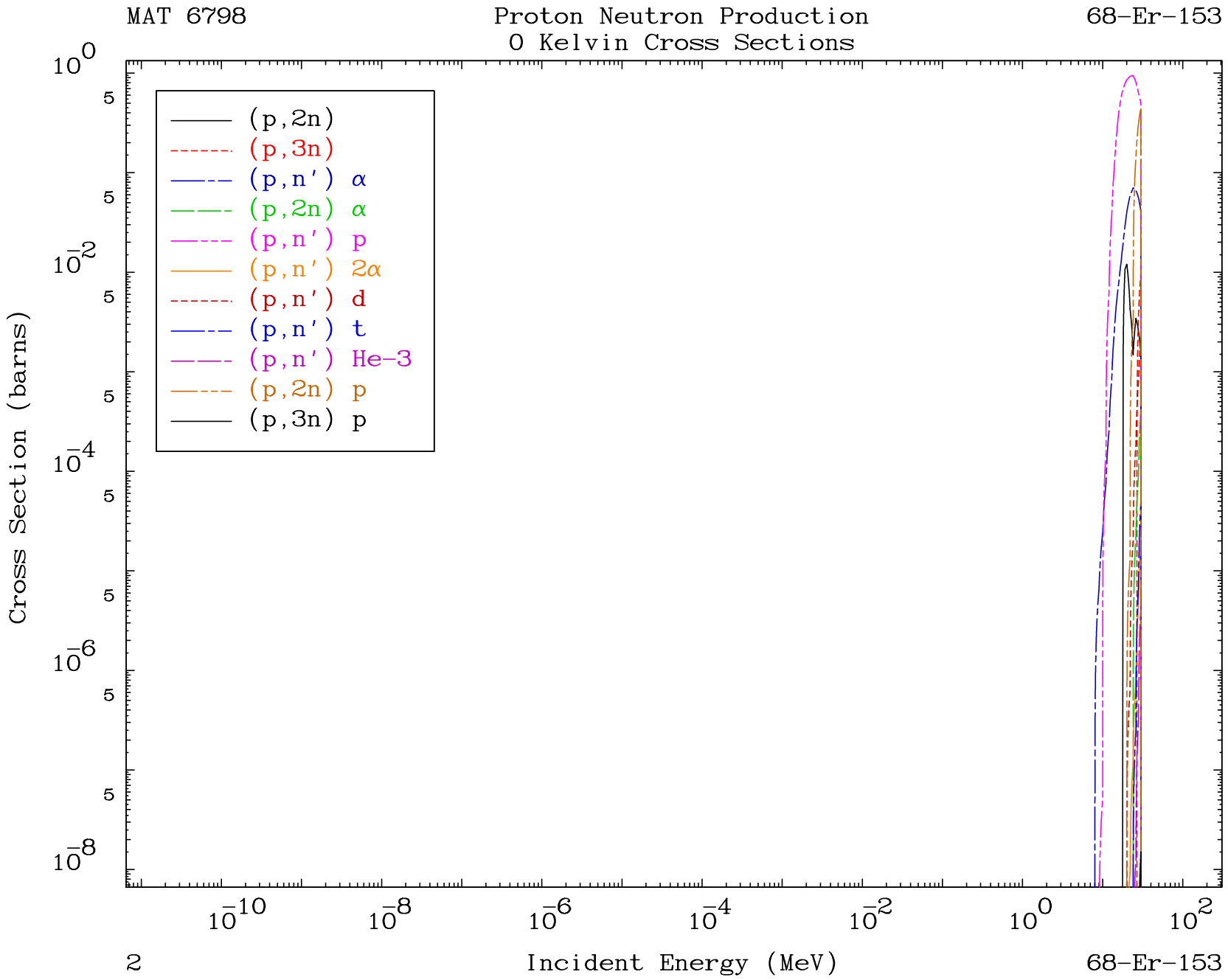
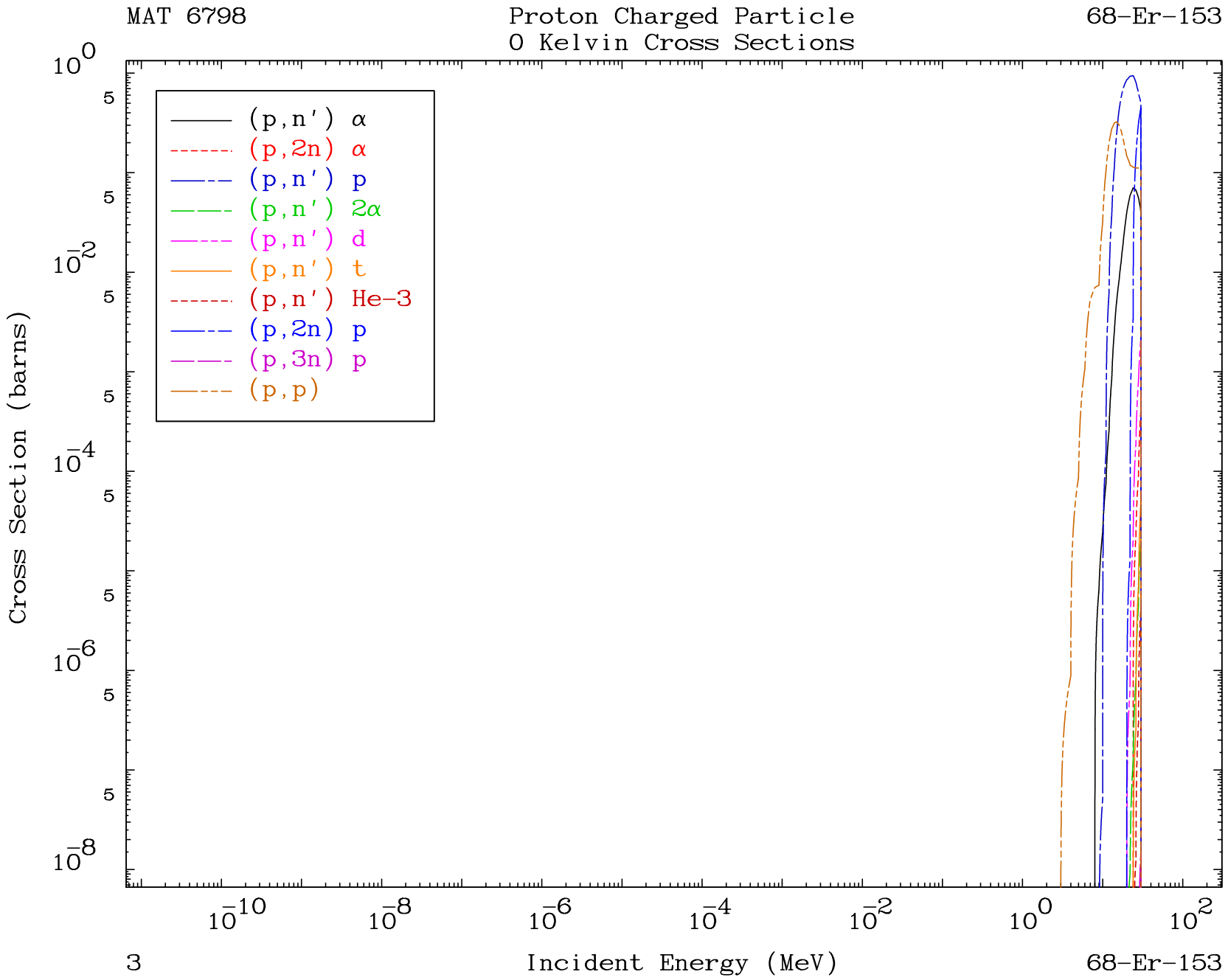
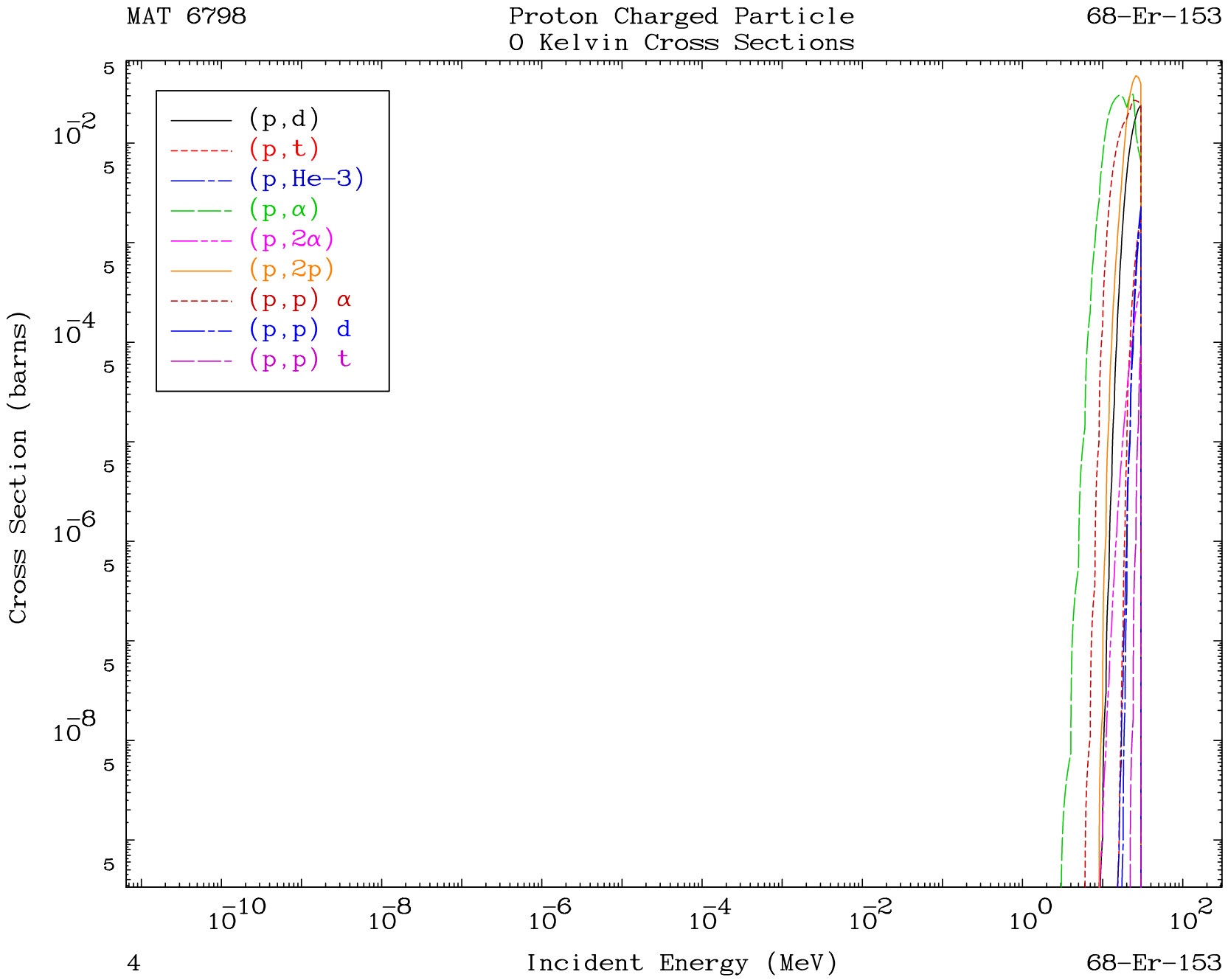
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

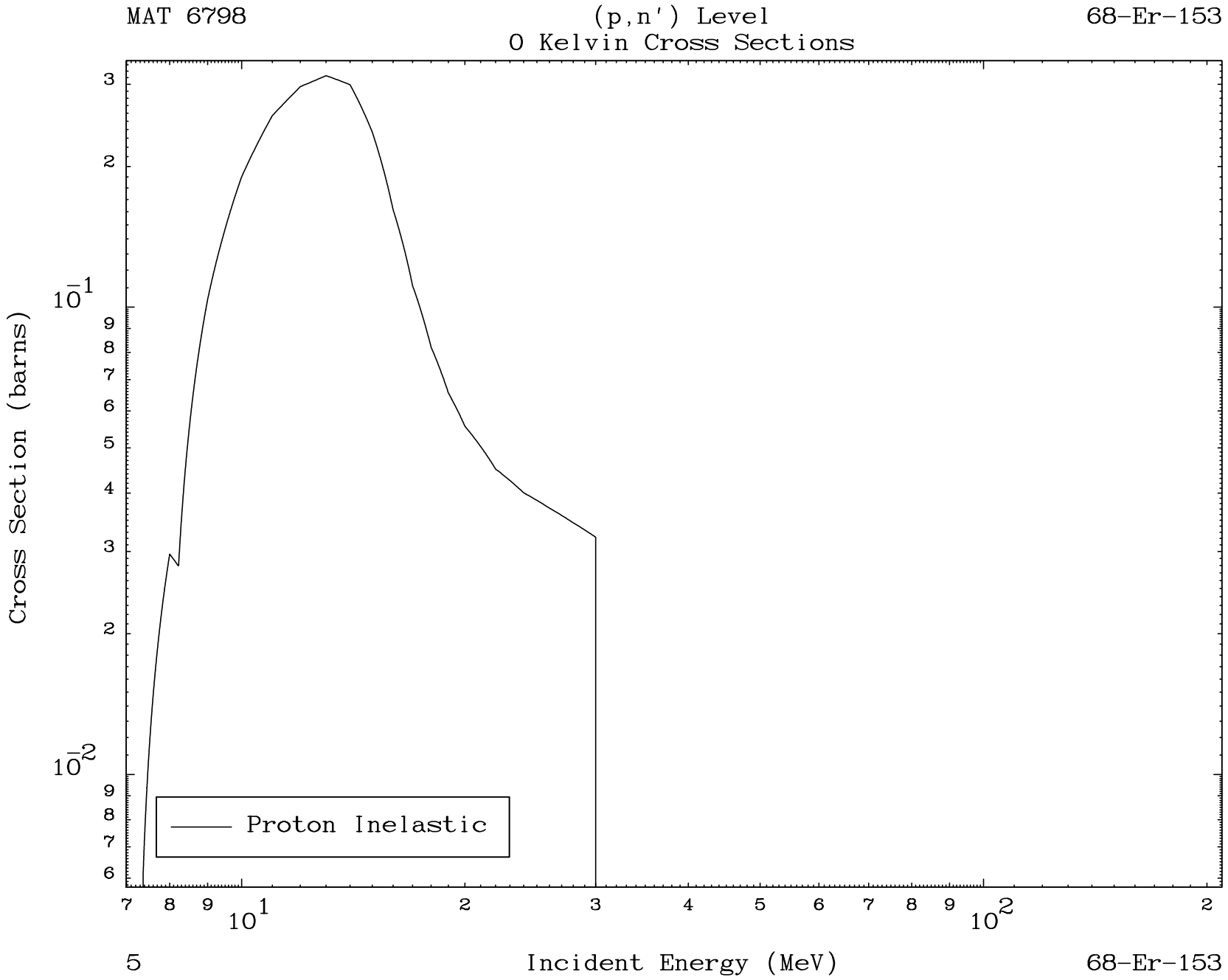
Press Mouse Button to Start

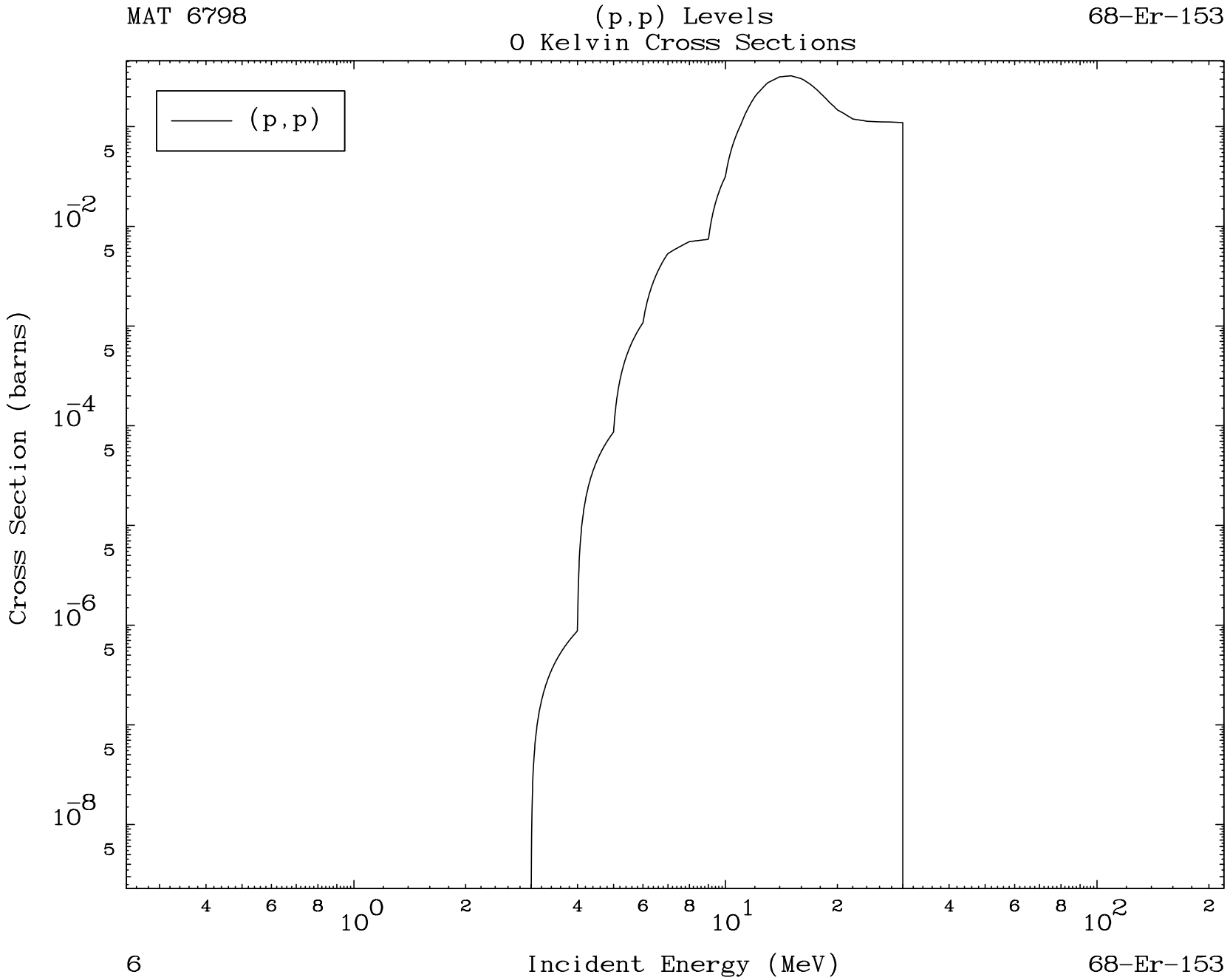

MAT 6798
Proton Major
68-Er-153
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-153
1

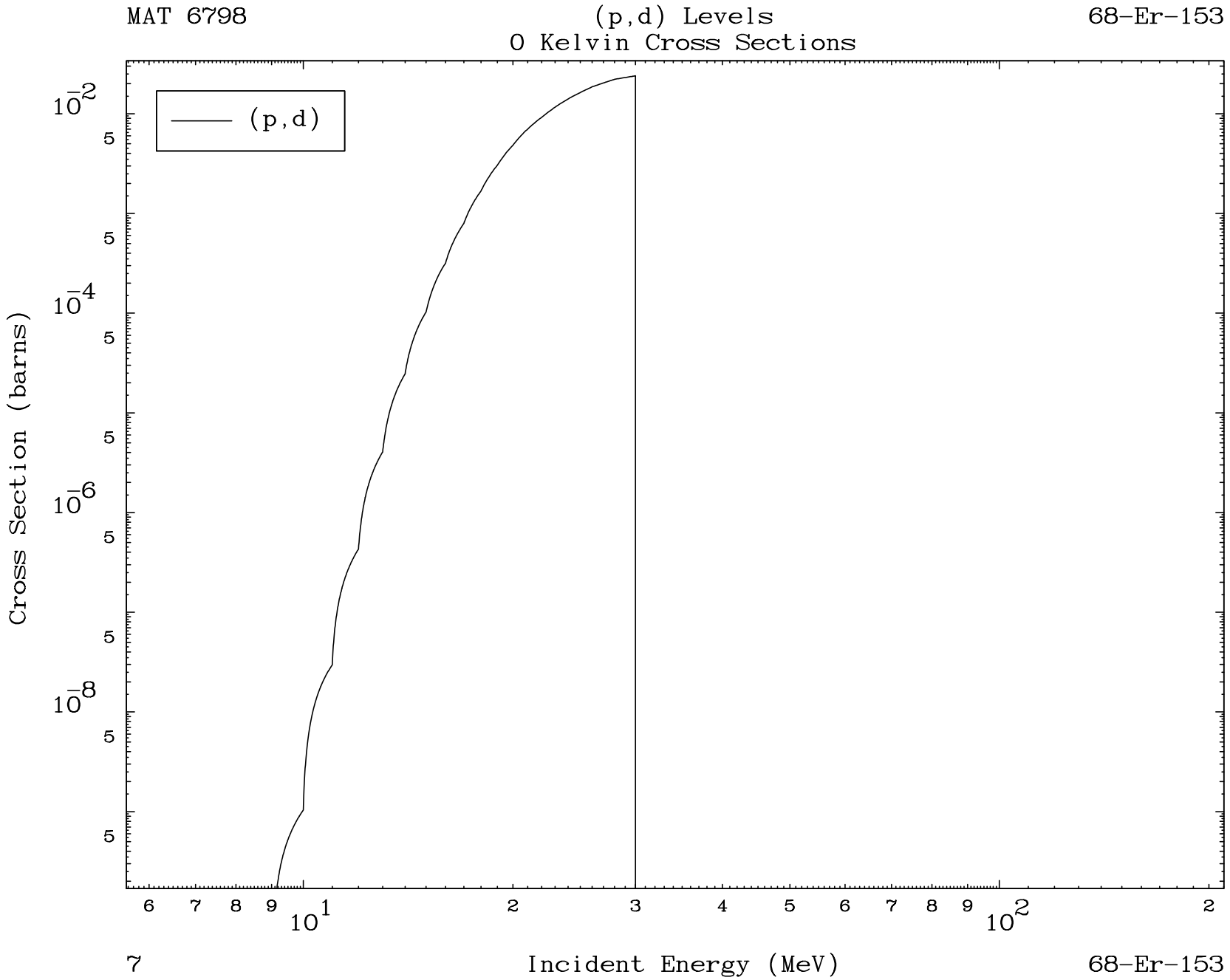

MAT 6798
Proton Neutron Production
0 Kelvin Cross Sections
68-Er-153
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
2
68-Er-153

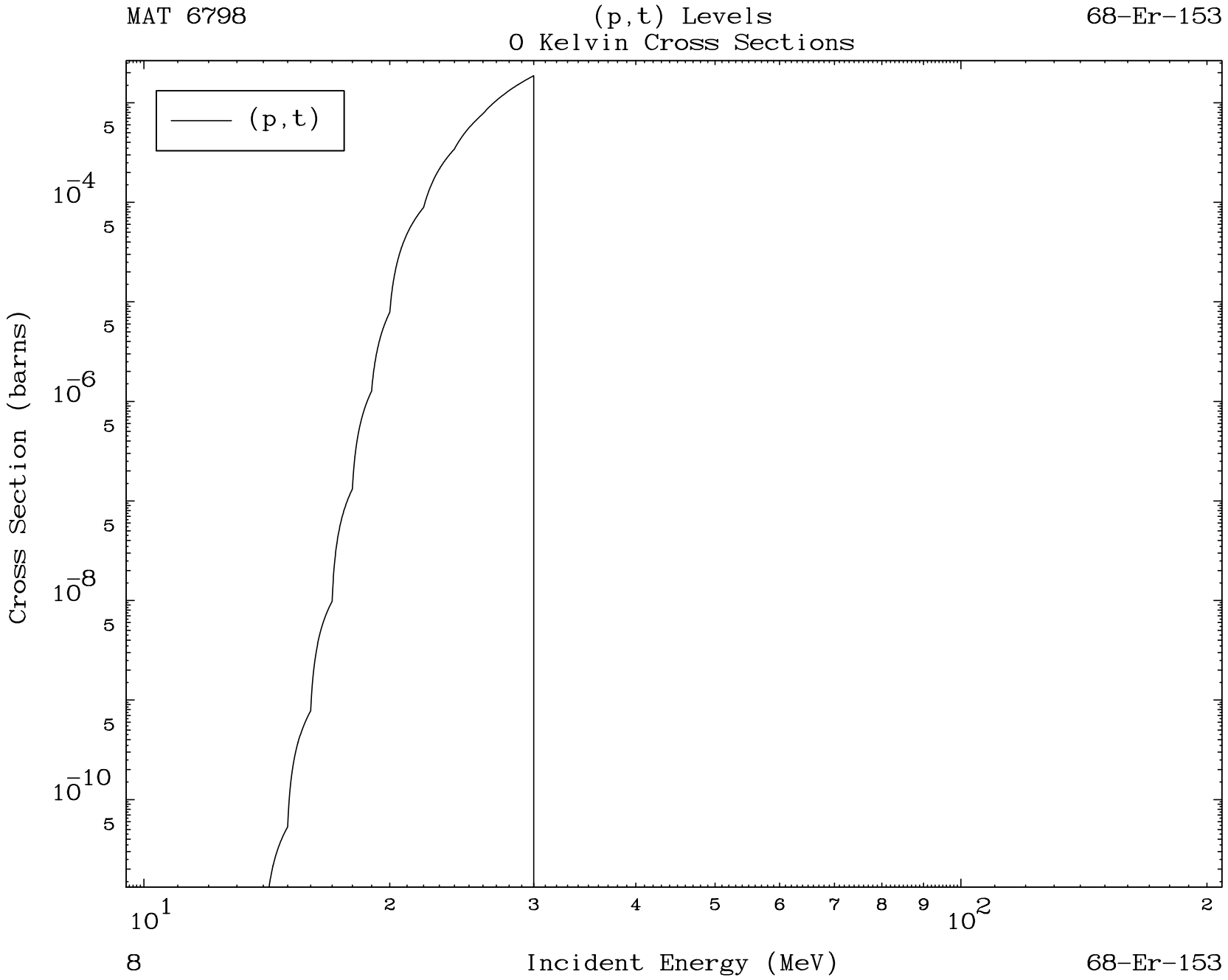

MAT 6798
Proton Charged Particle
0 Kelvin Cross Sections
68-Er-153
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
(p,p)
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-153

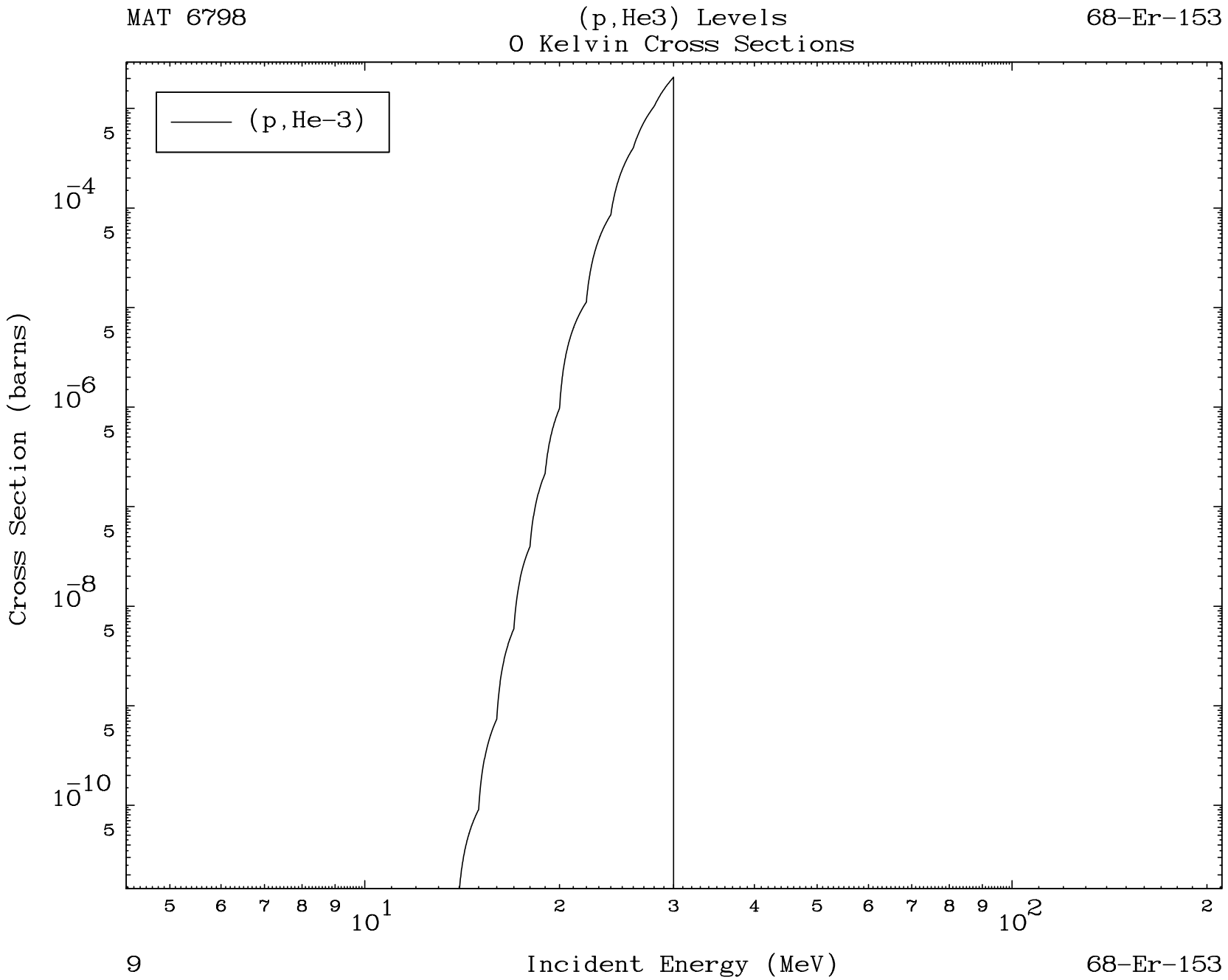

MAT 6798
Proton Charged Particle
0 Kelvin Cross Sections
68-Er-153
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-153

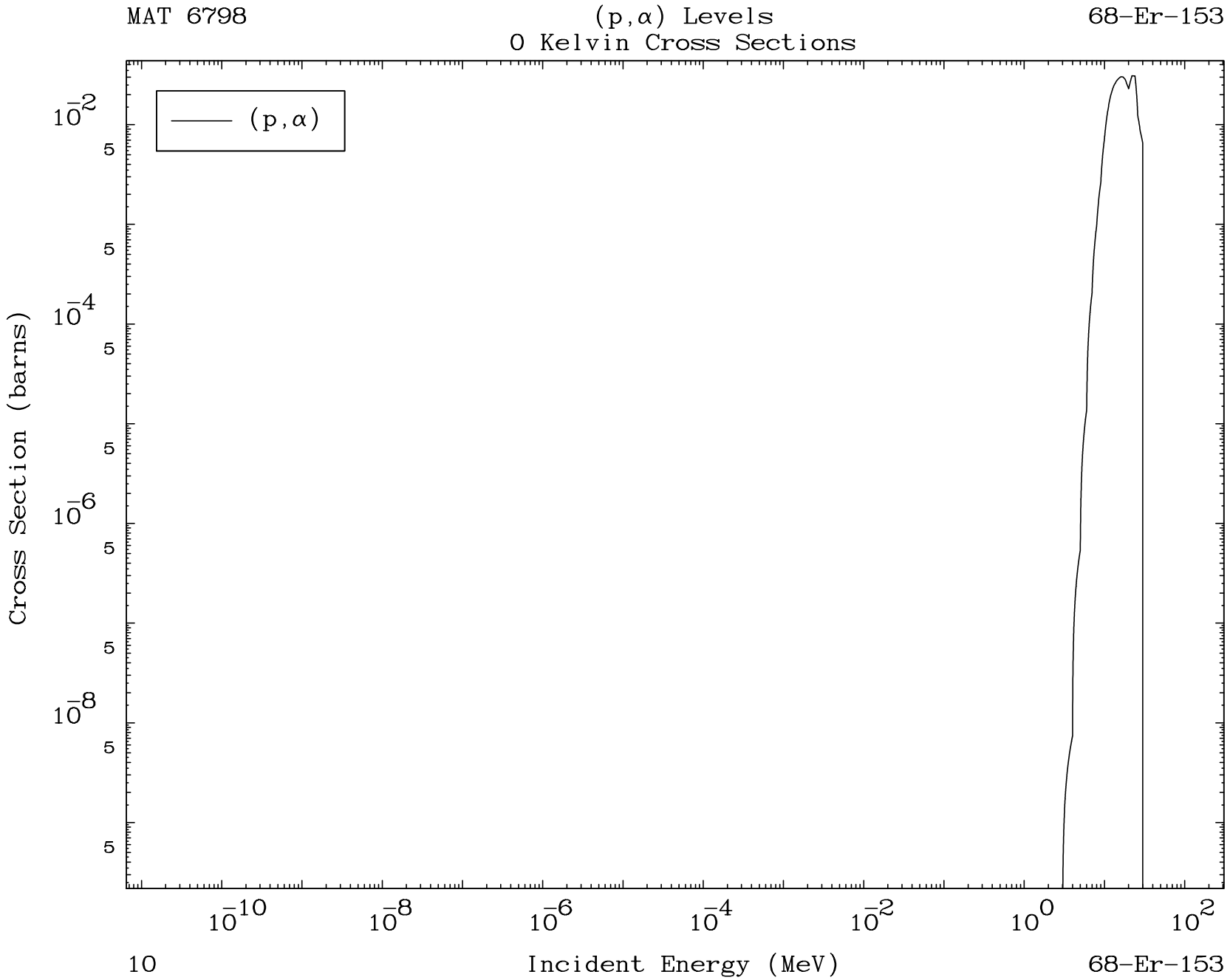

MAT 6798
(p,n') Level
68-Er-153
0 Kelvin Cross Sections
Cross Section (barns)
Proton Inelastic
Incident Energy (MeV)
5
68-Er-153

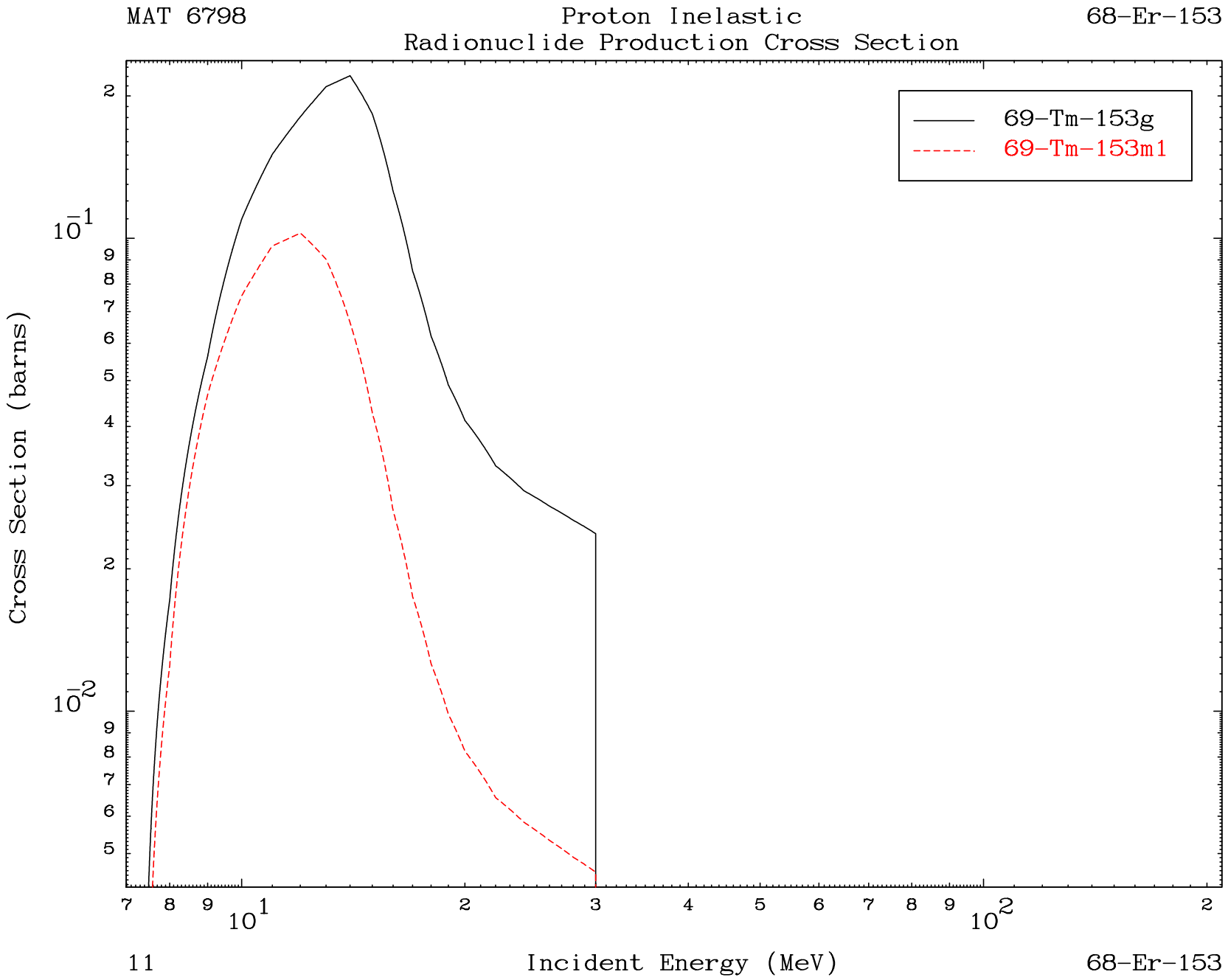

MAT 6798
(p,p) Levels
68-Er-153
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
6
68-Er-153

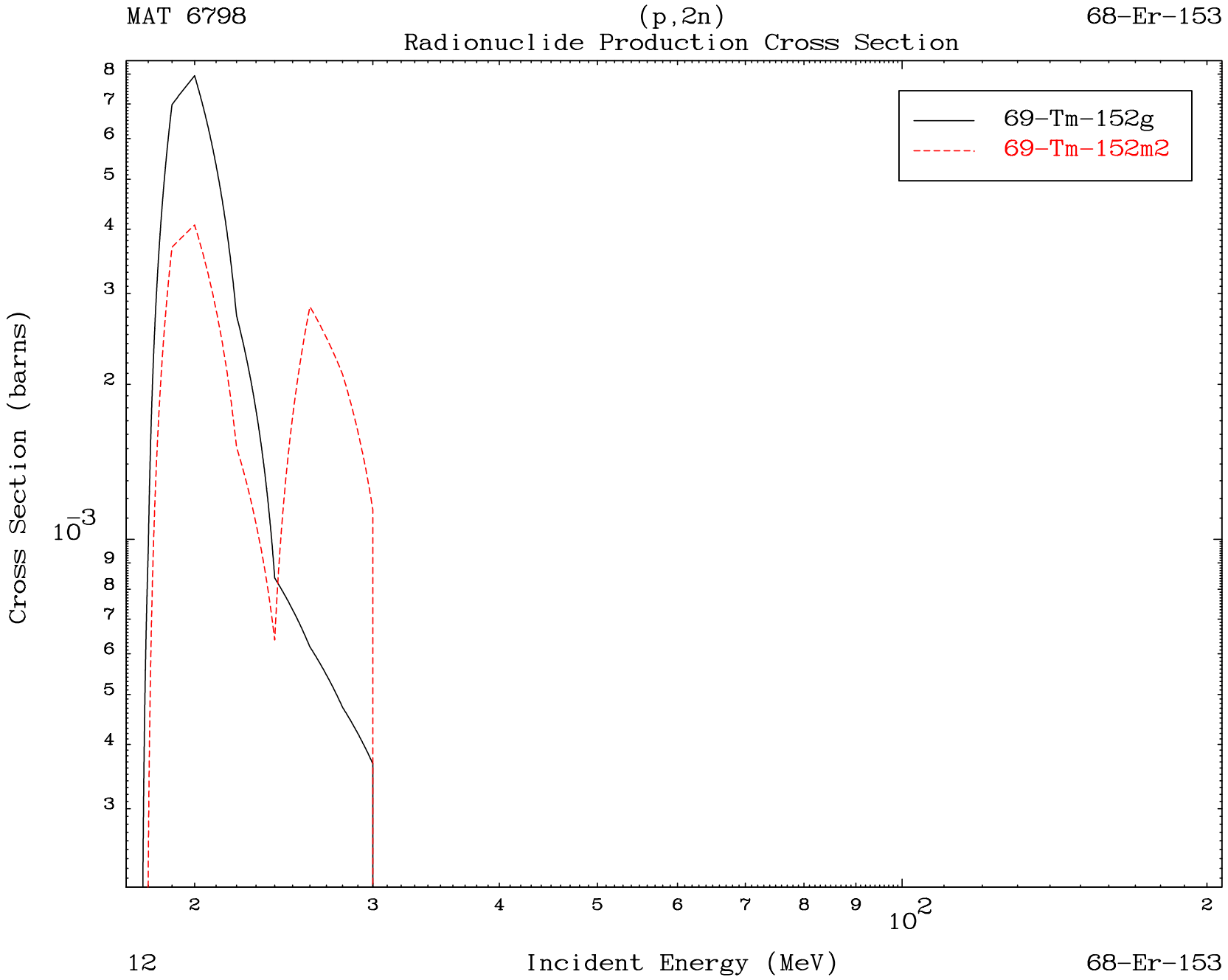

MAT 6798
(p,d) Levels
68-Er-153
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
68-Er-153

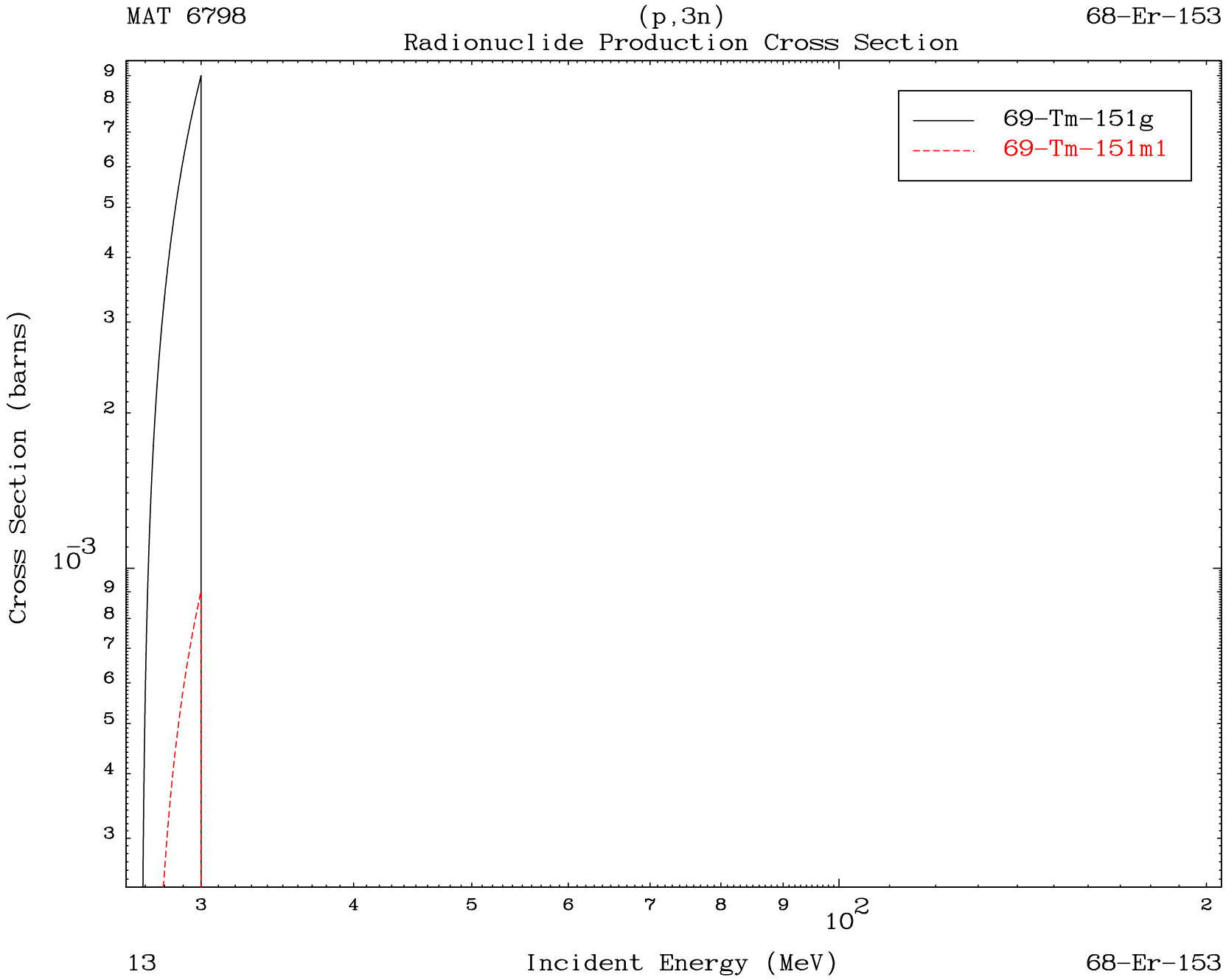

MAT 6798
(p,t) Levels
68-Er-153
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
68-Er-153

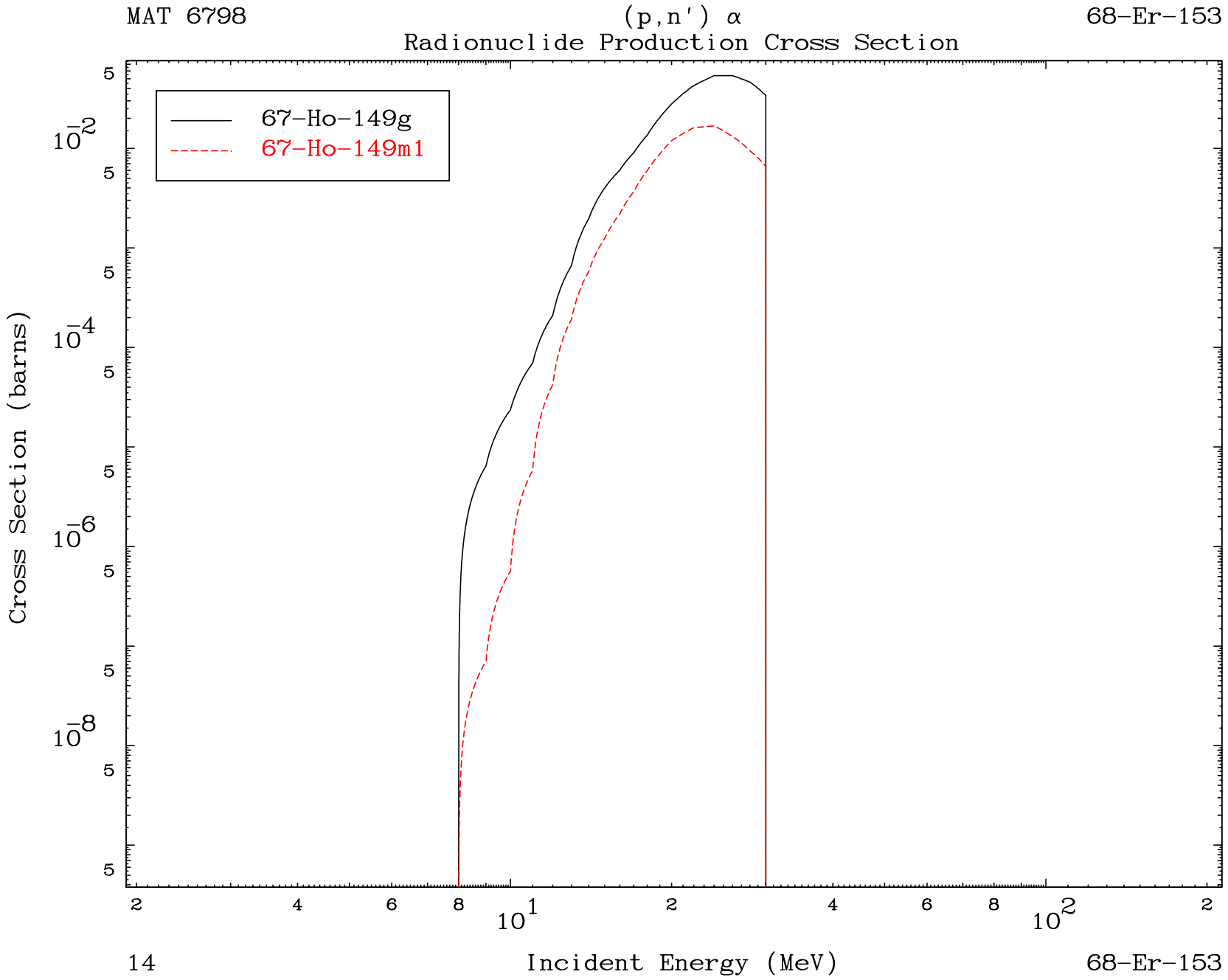

MAT 6798
(p,He3) Levels
68-Er-153
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
5 6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
9
Incident Energy (MeV)
68-Er-153

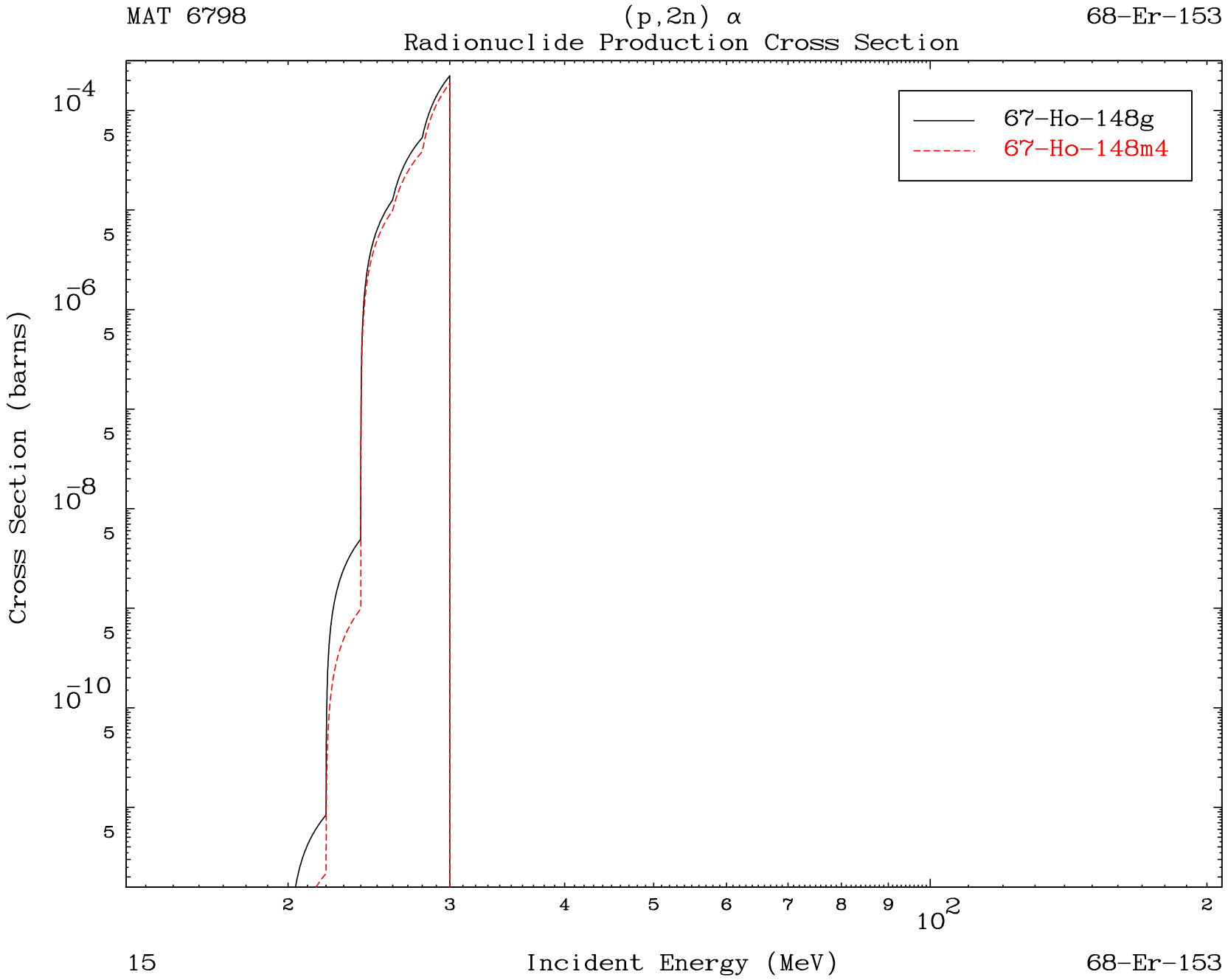

MAT 6798
(p,α) Levels
68-Er-153
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
10
68-Er-153

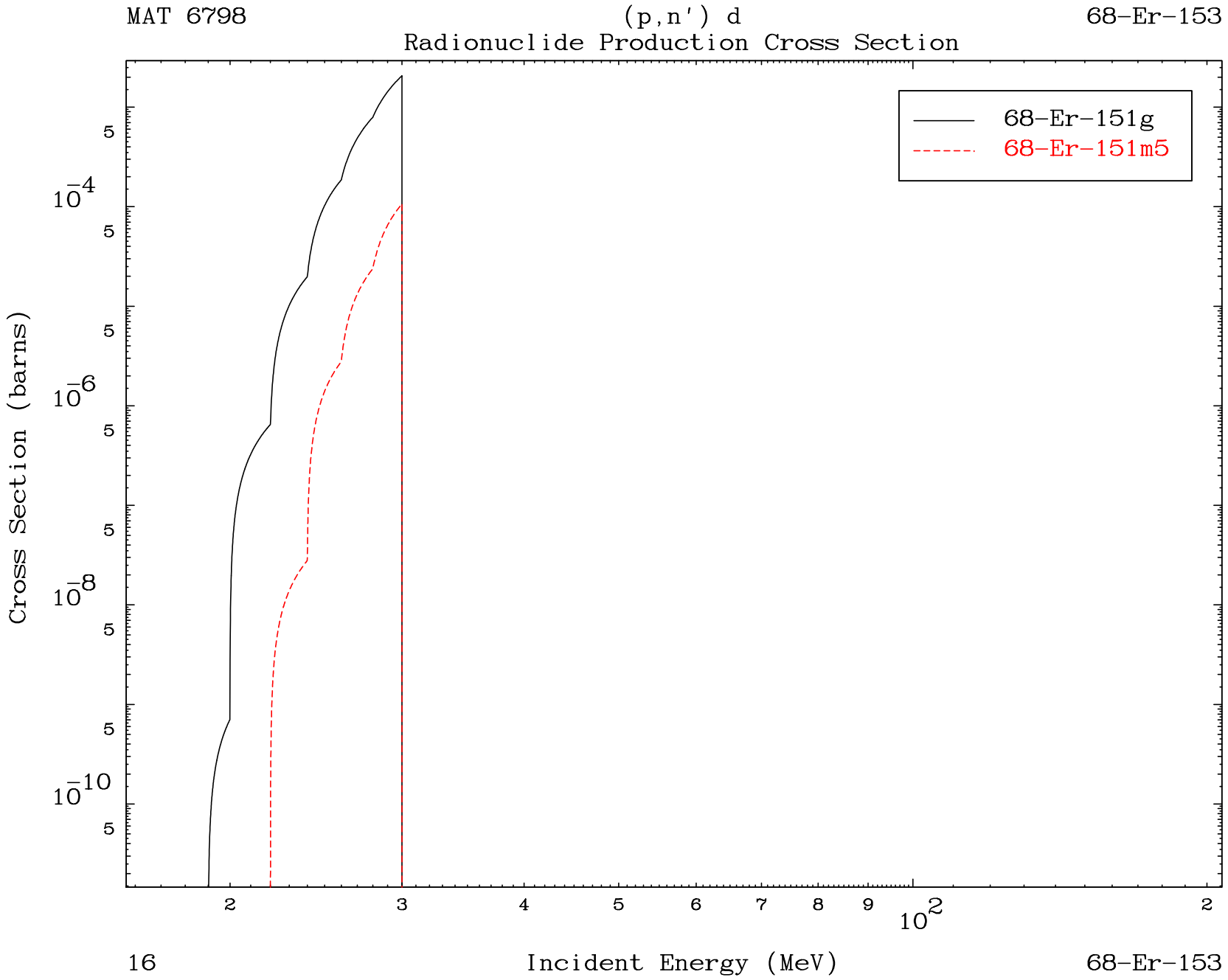

MAT 6798
Proton Inelastic
68-Er-153
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
11
68-Er-153

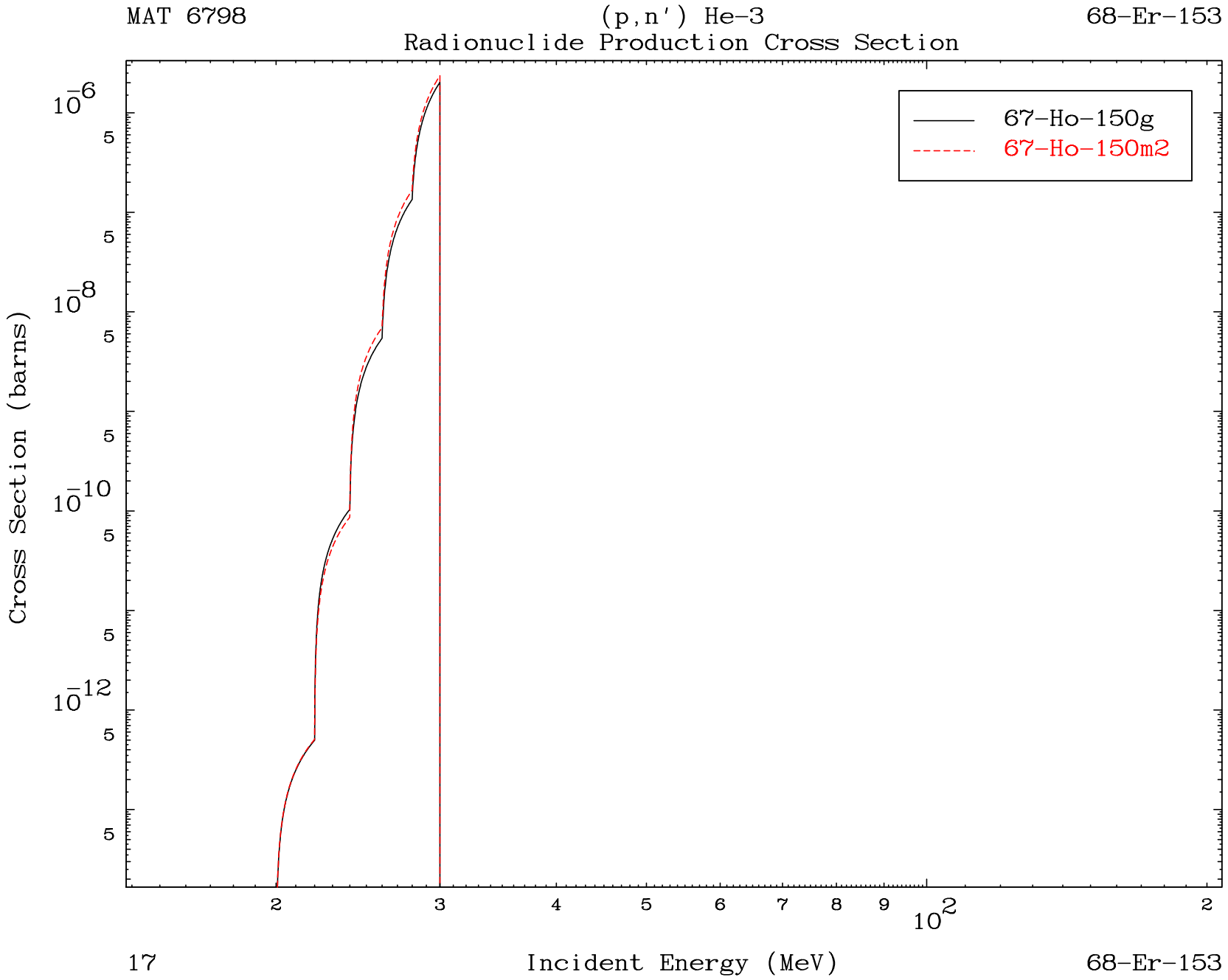

MAT 6798
(p,2n)
68-Er-153
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
10^-3
10^2
Incident Energy (MeV)
12
68-Er-153

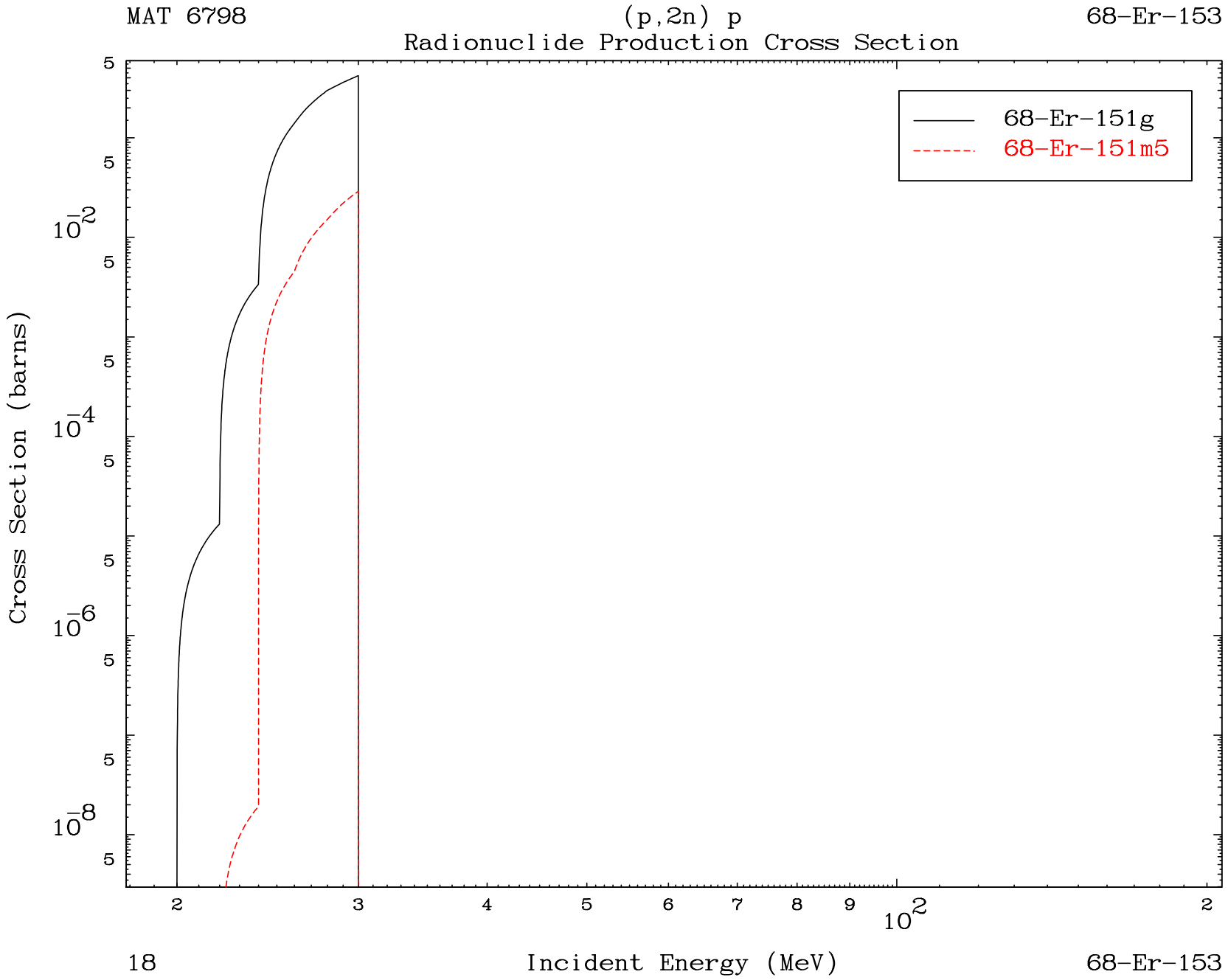

MAT 6798
(p,3n)
68-Er-153
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10-3
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10+2
2
13
Incident Energy (MeV)
68-Er-153

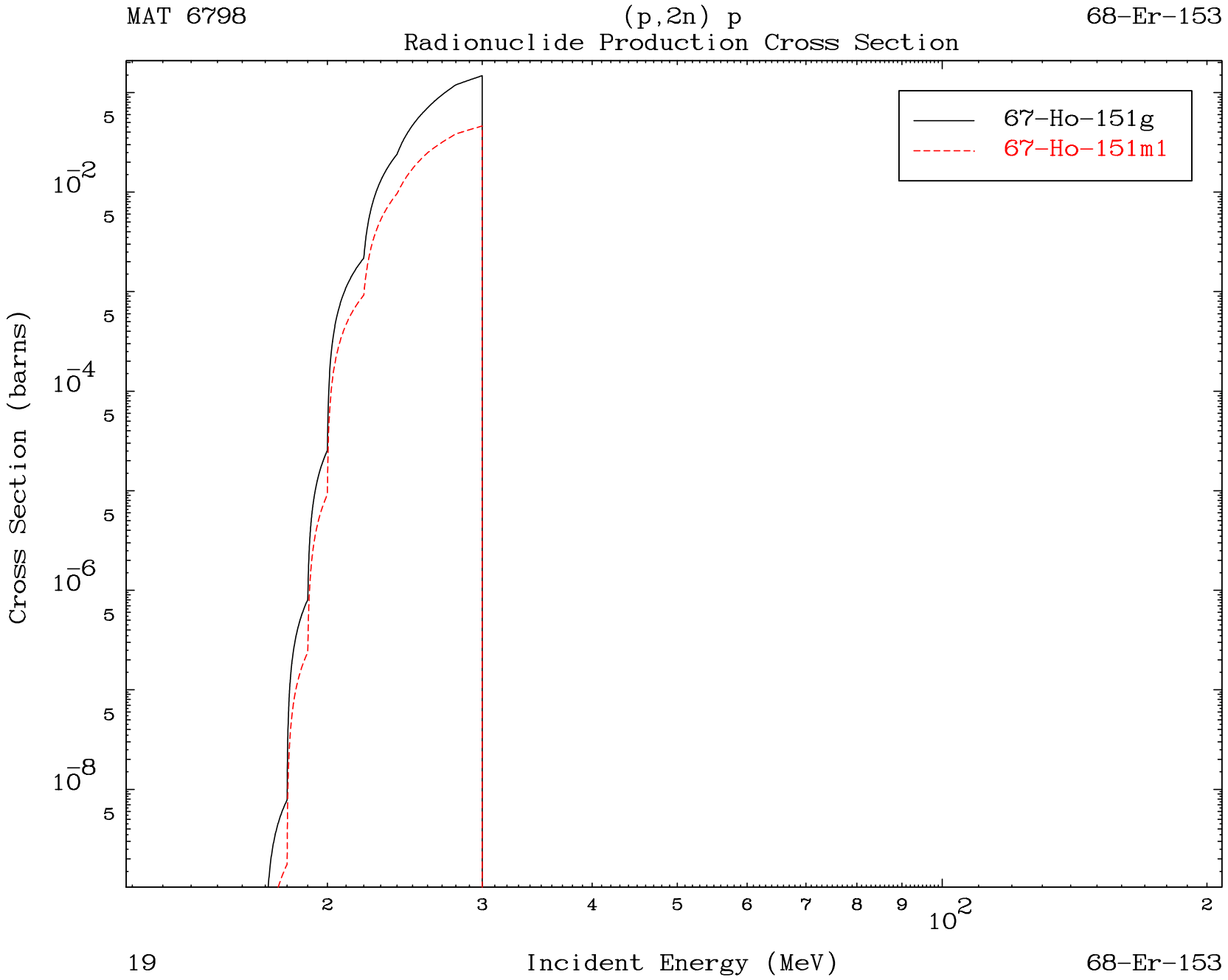

MAT 6798
(p,n') α
68-Er-153
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
14
Incident Energy (MeV)
68-Er-153

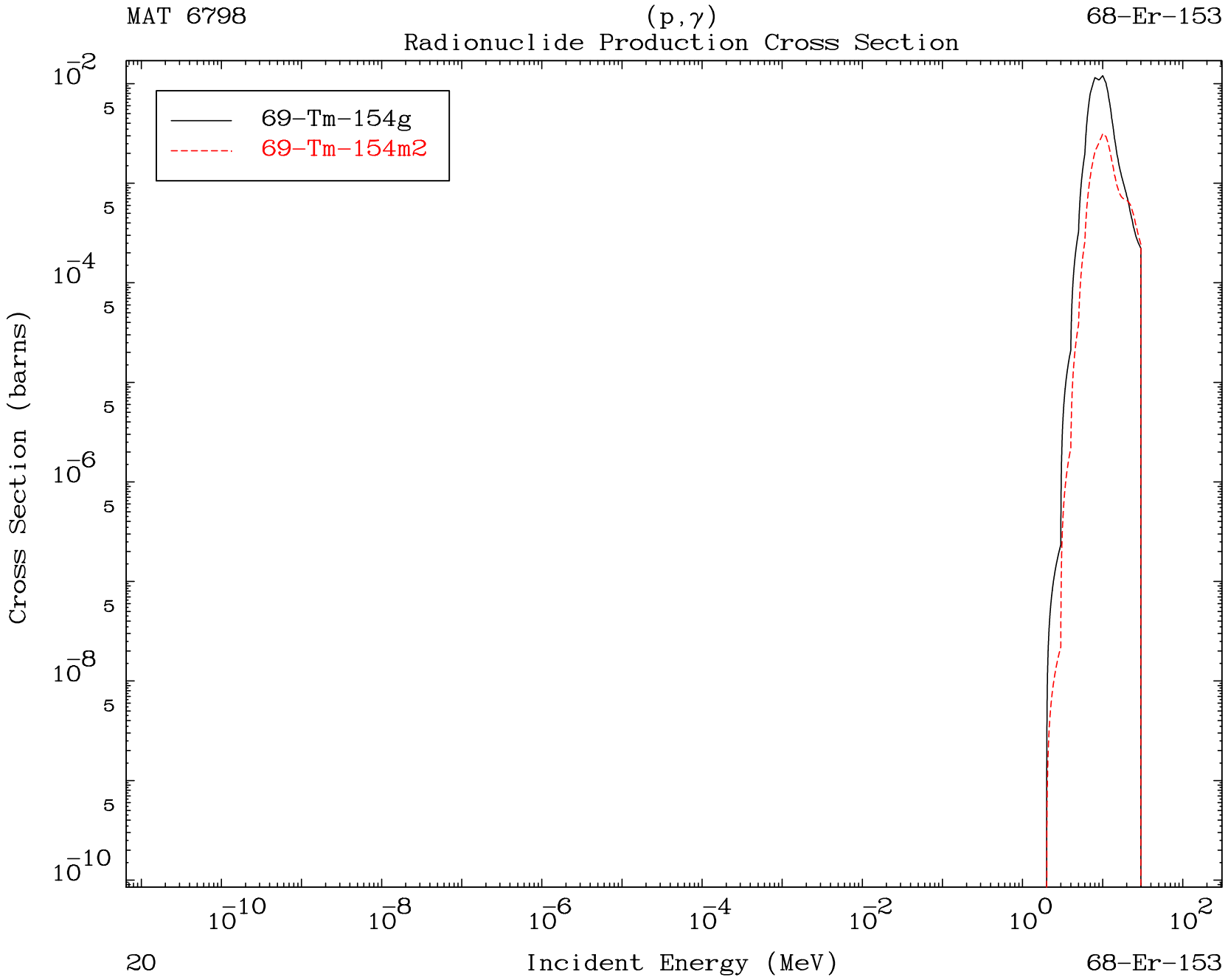

MAT 6798
(p,2n) α
68-Er-153
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
15
68-Er-153

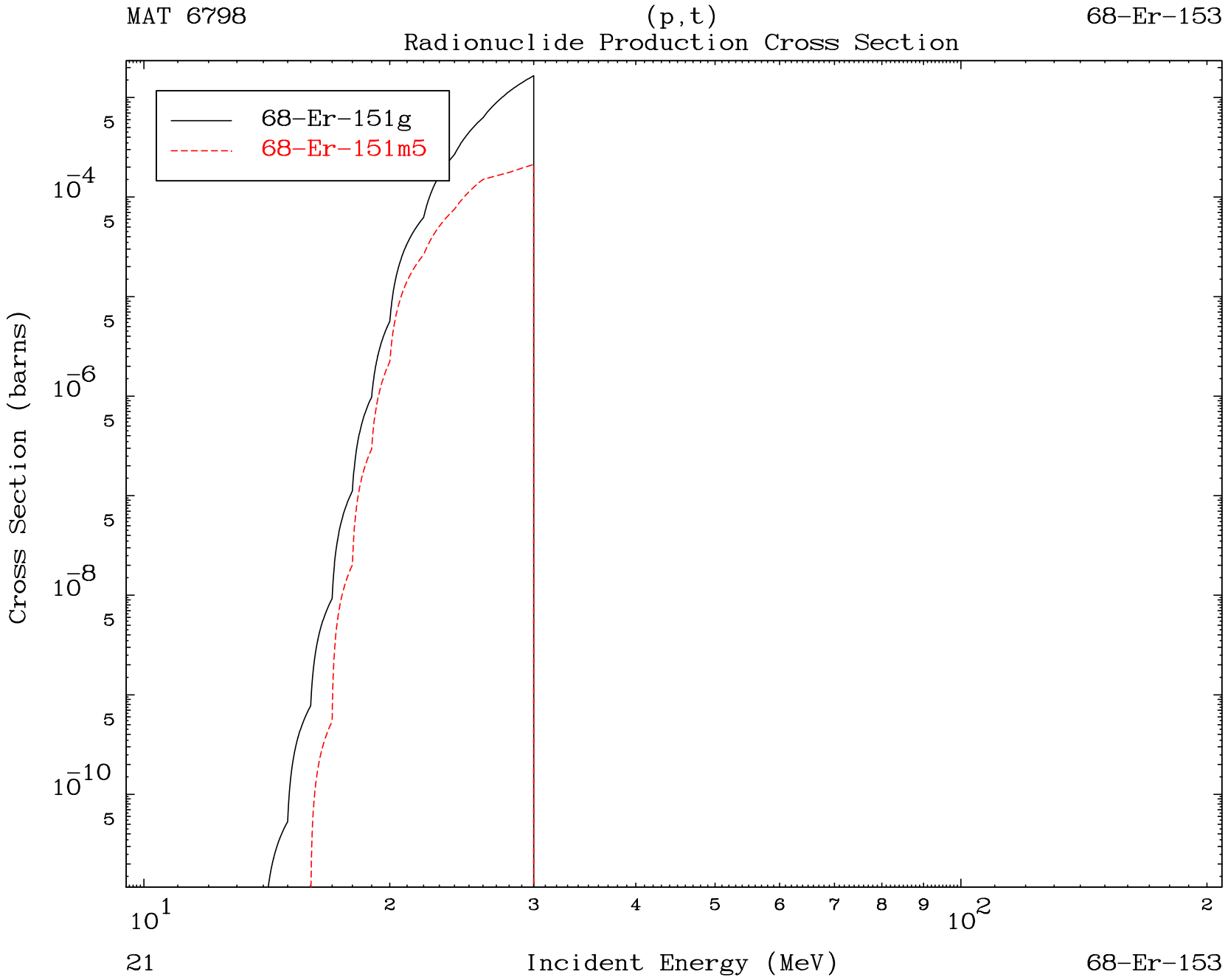

MAT 6798
(p,n') d
68-Er-153
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
68-Er-153

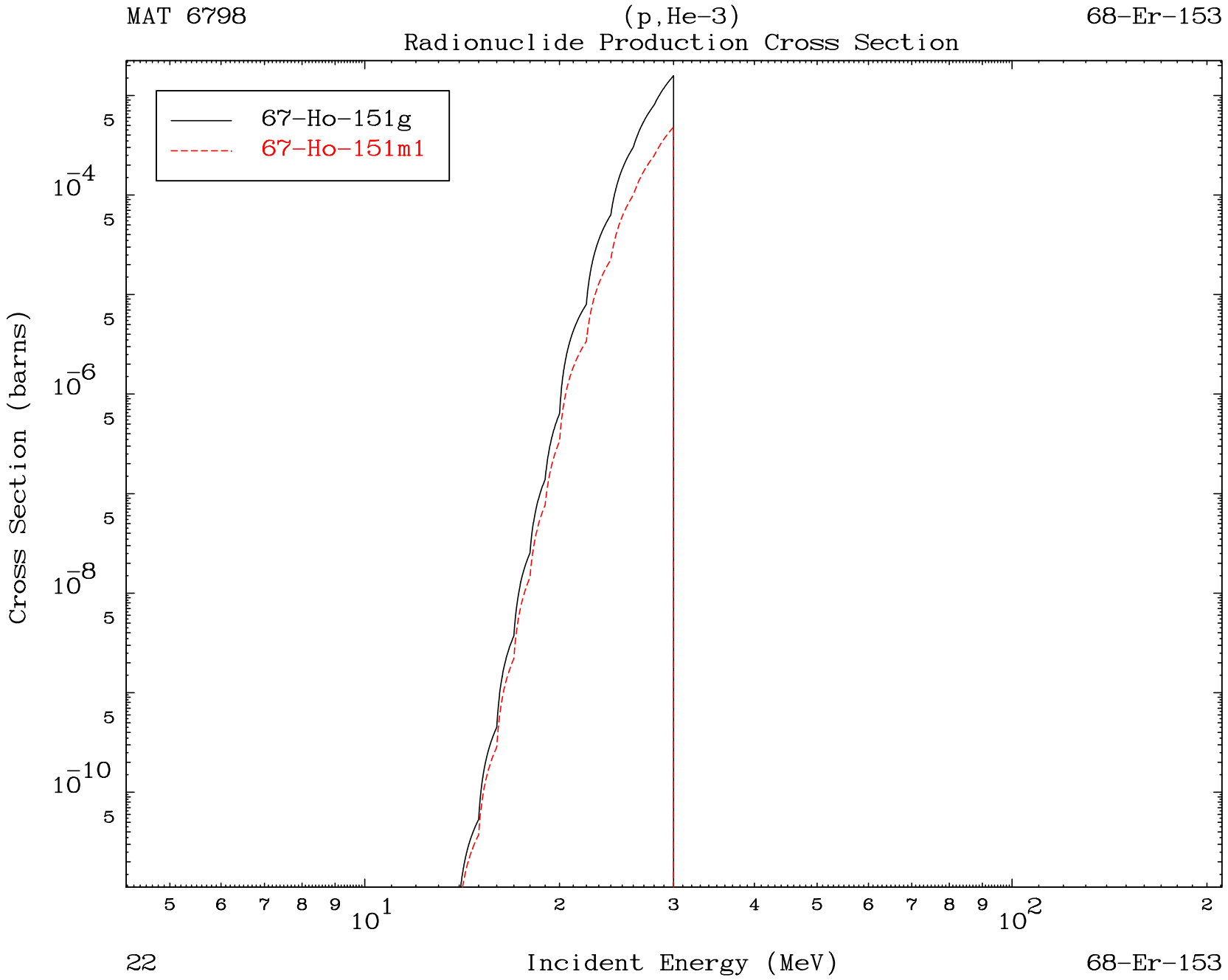

MAT 6798
(p,n') He-3
68-Er-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
68-Er-153

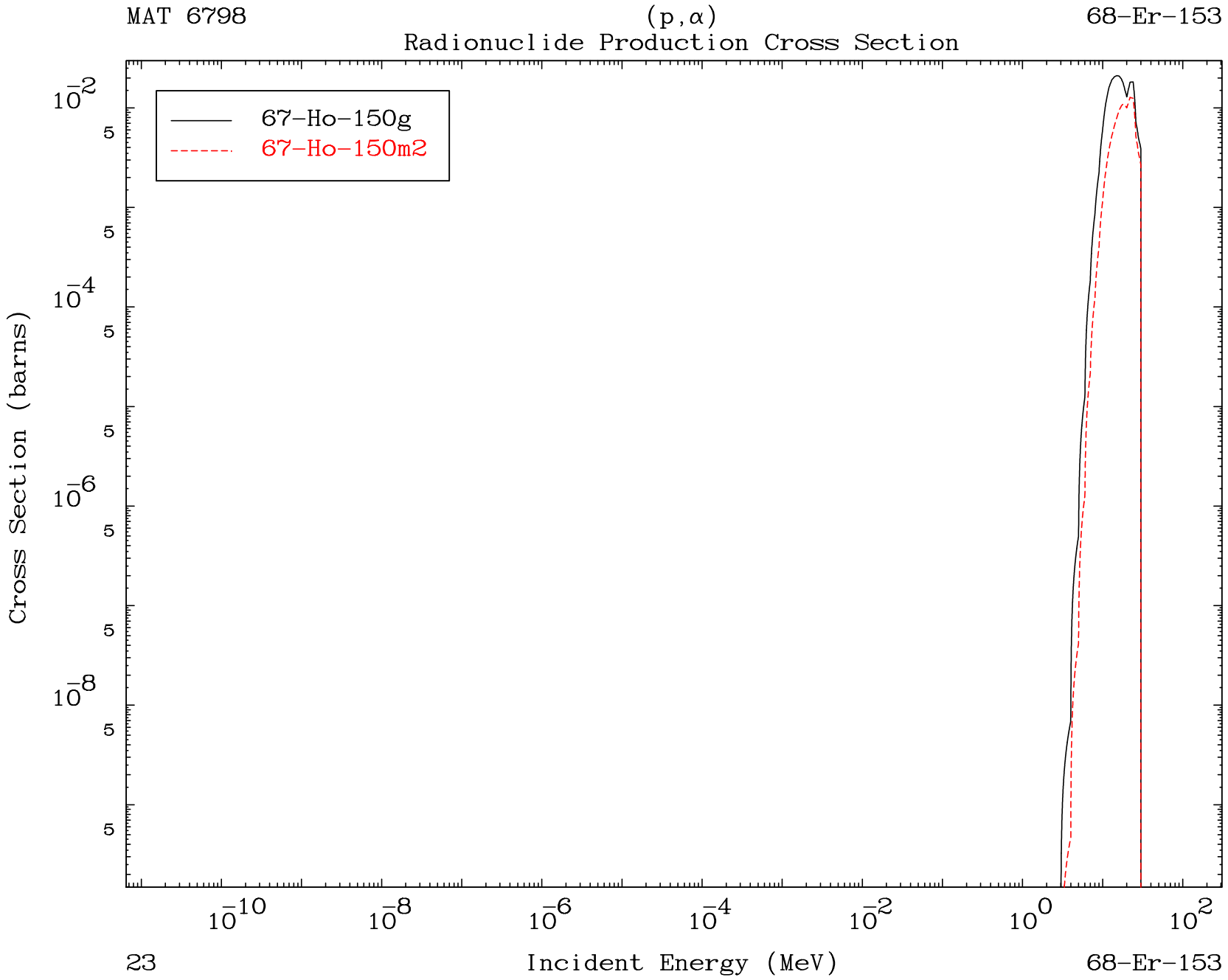

MAT 6798
(p,2n) p
68-Er-153
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
18
68-Er-153

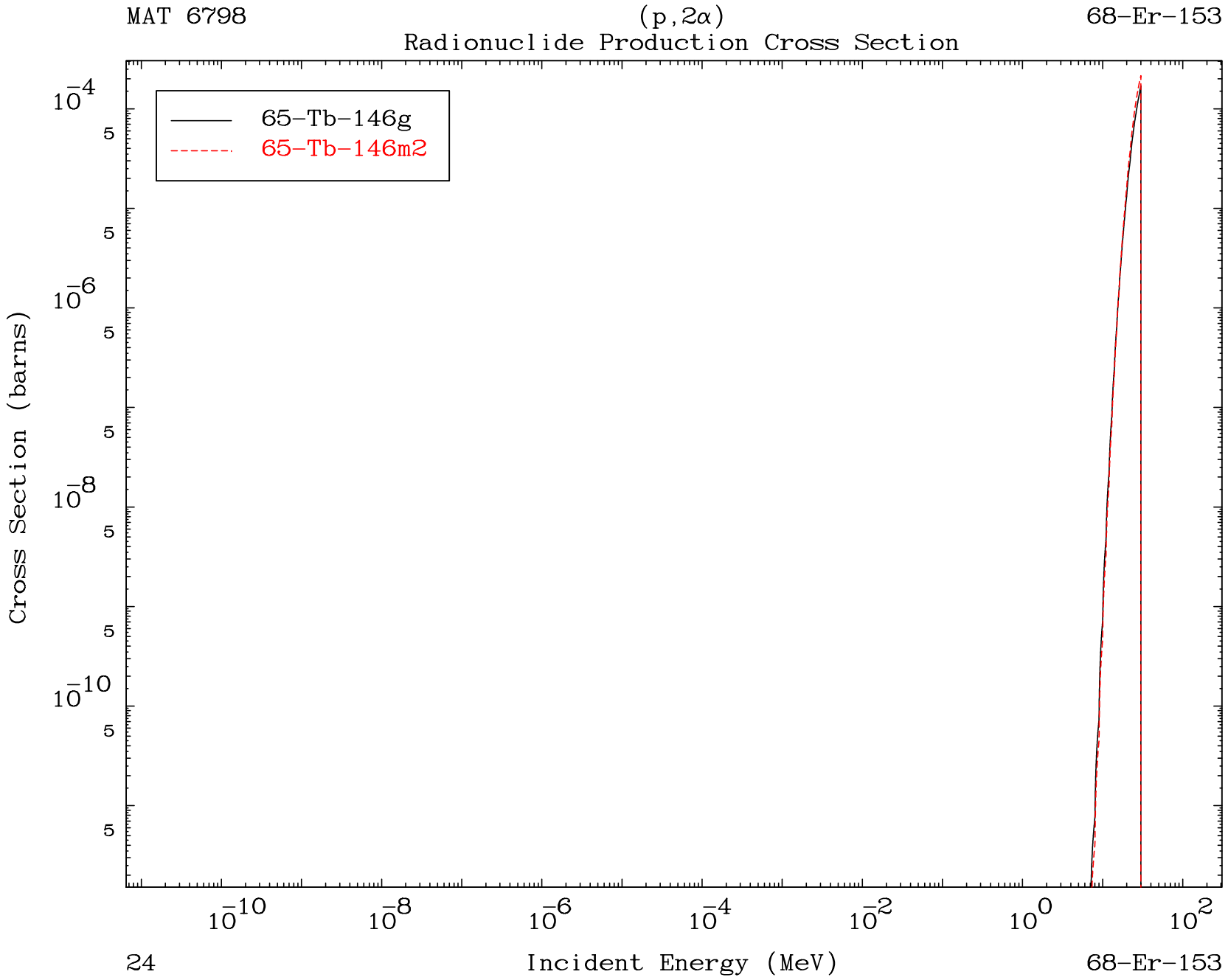

MAT 6798
(p,2n) p
68-Er-153
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
68-Er-153

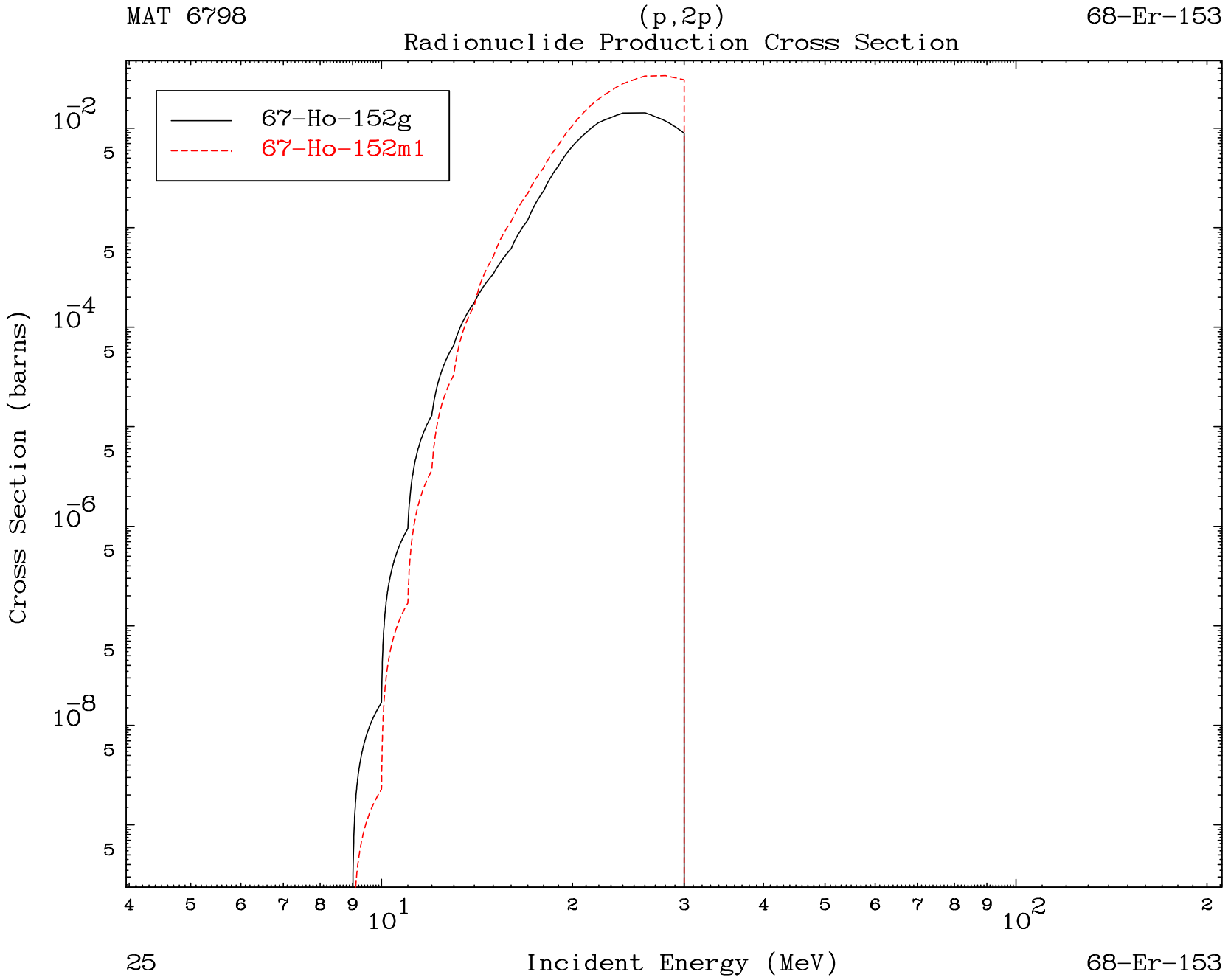

MAT 6798
(p,γ)
68-Er-153
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
20
68-Er-153

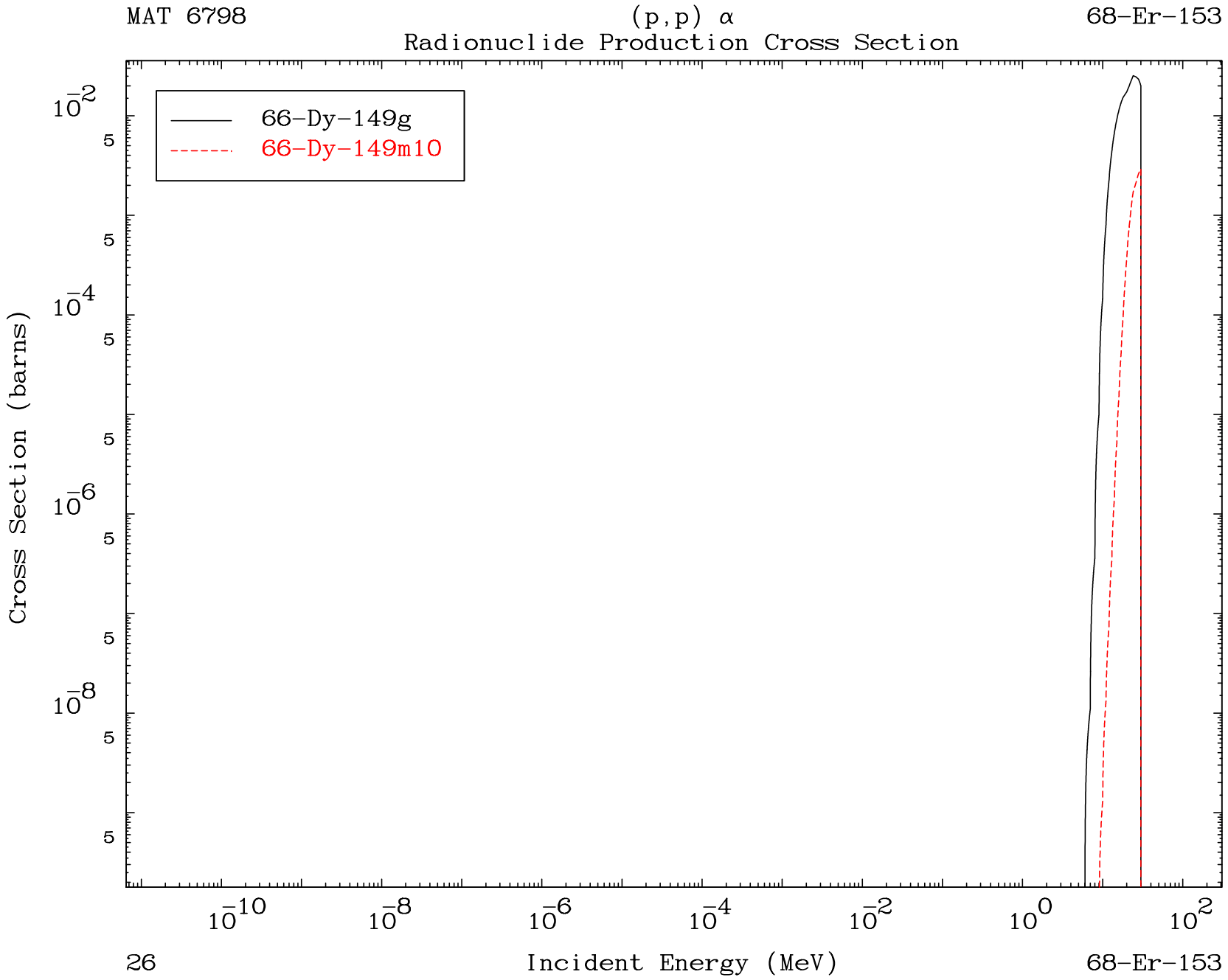

MAT 6798
(p,t)
68-Er-153
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
21
68-Er-153

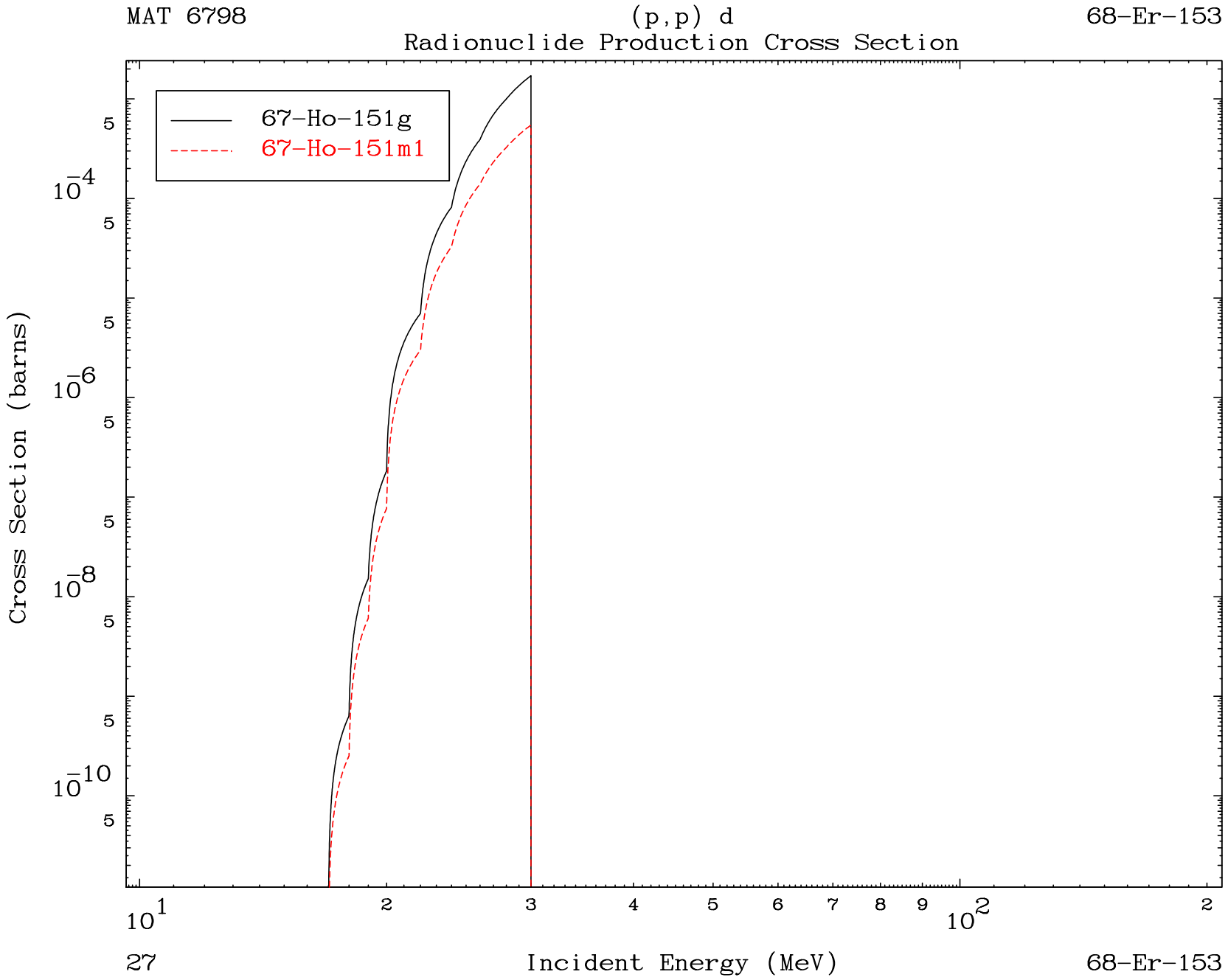

MAT 6798
(p,He-3)
68-Er-153
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
68-Er-153

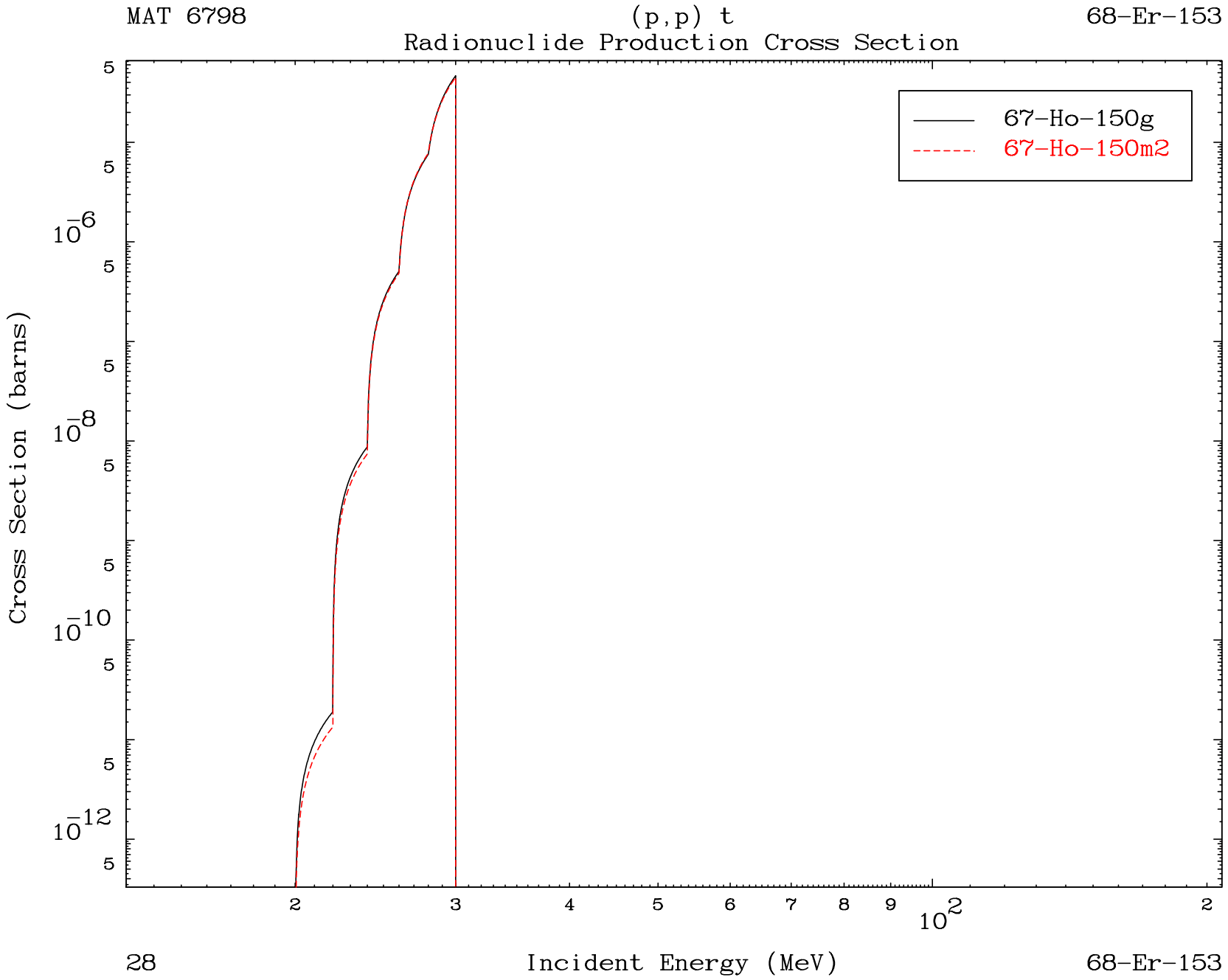

MAT 6798
(p,α)
68-Er-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
Incident Energy (MeV)
23
68-Er-153


MAT 6798
(p,2α)
68-Er-153
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
24
68-Er-153


MAT 6798
(p,2p)
68-Er-153
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
25
68-Er-153


MAT 6798
(p,p) α
68-Er-153
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m10
Cross Section (barns)
Incident Energy (MeV)
26
68-Er-153


MAT 6798
(p,p) d
68-Er-153
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
27
68-Er-153


MAT 6798
(p,p) t
68-Er-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
68-Er-153