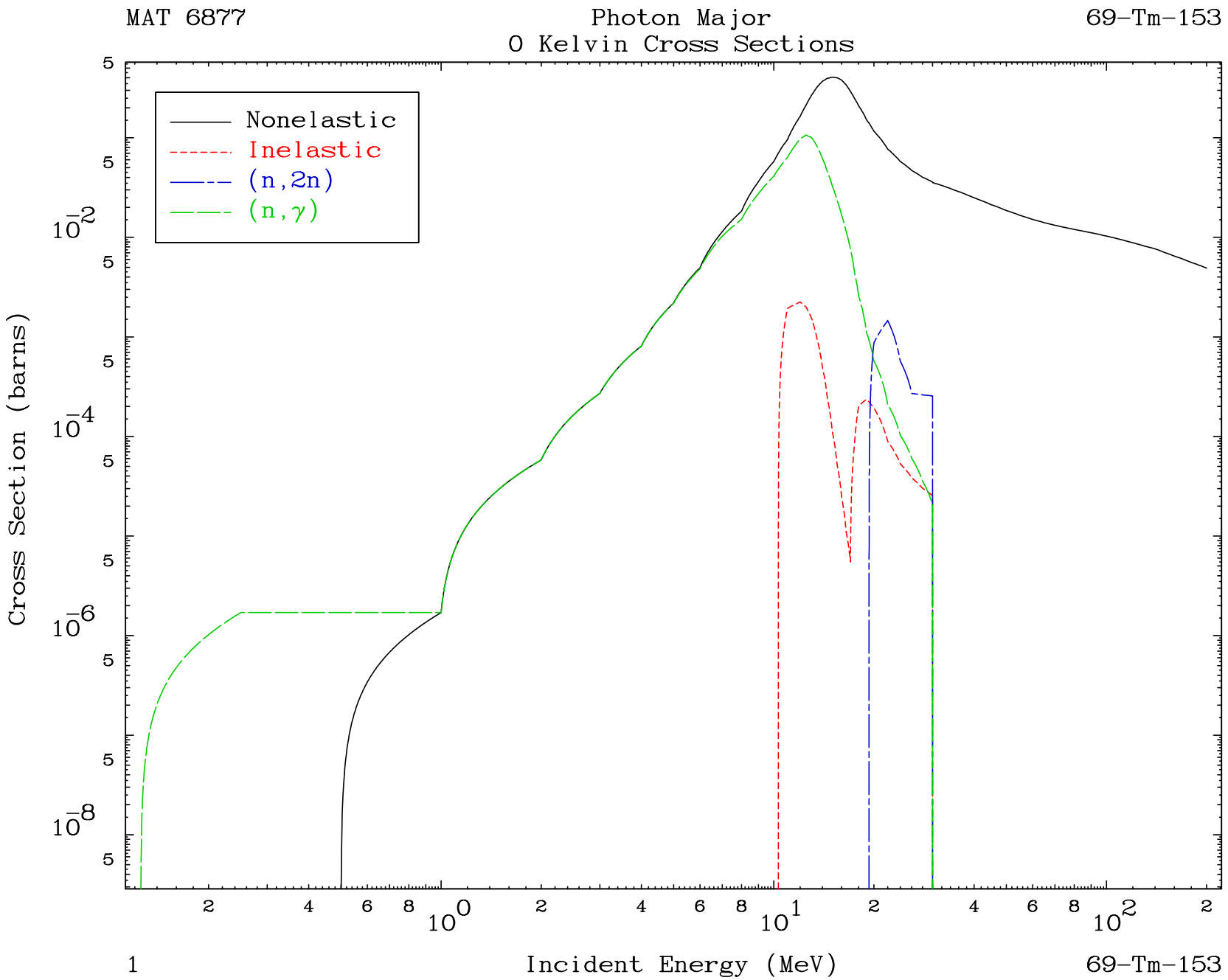
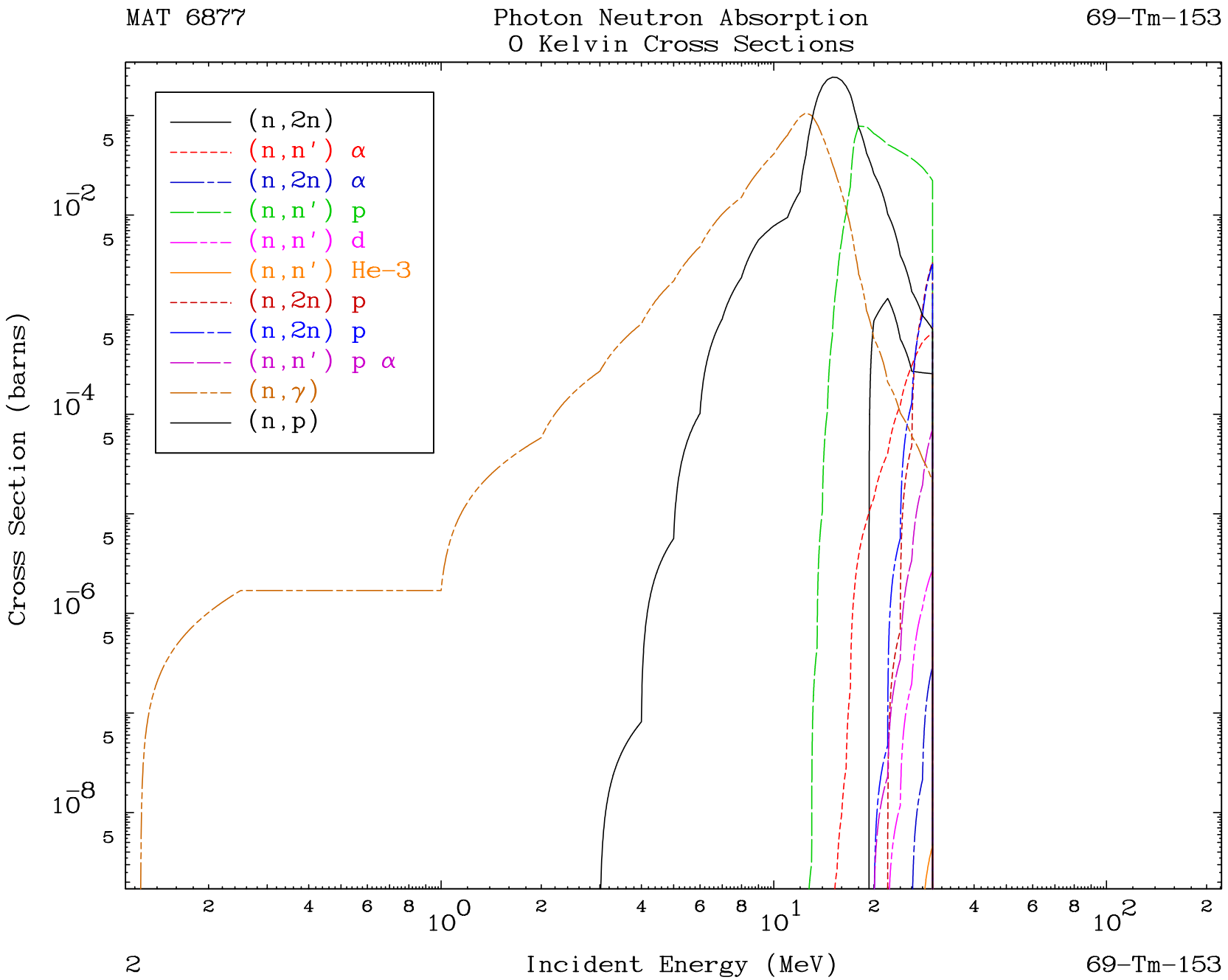
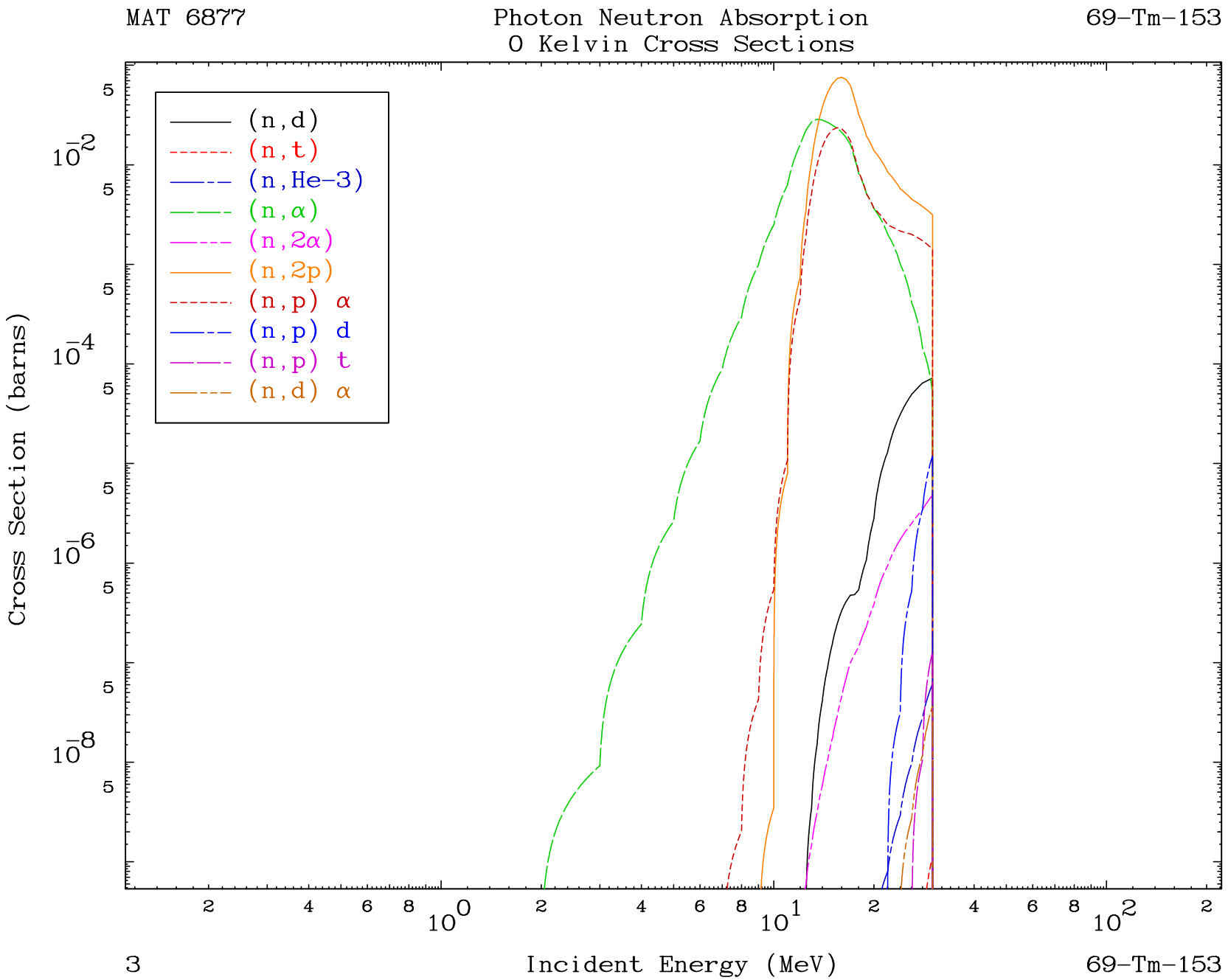
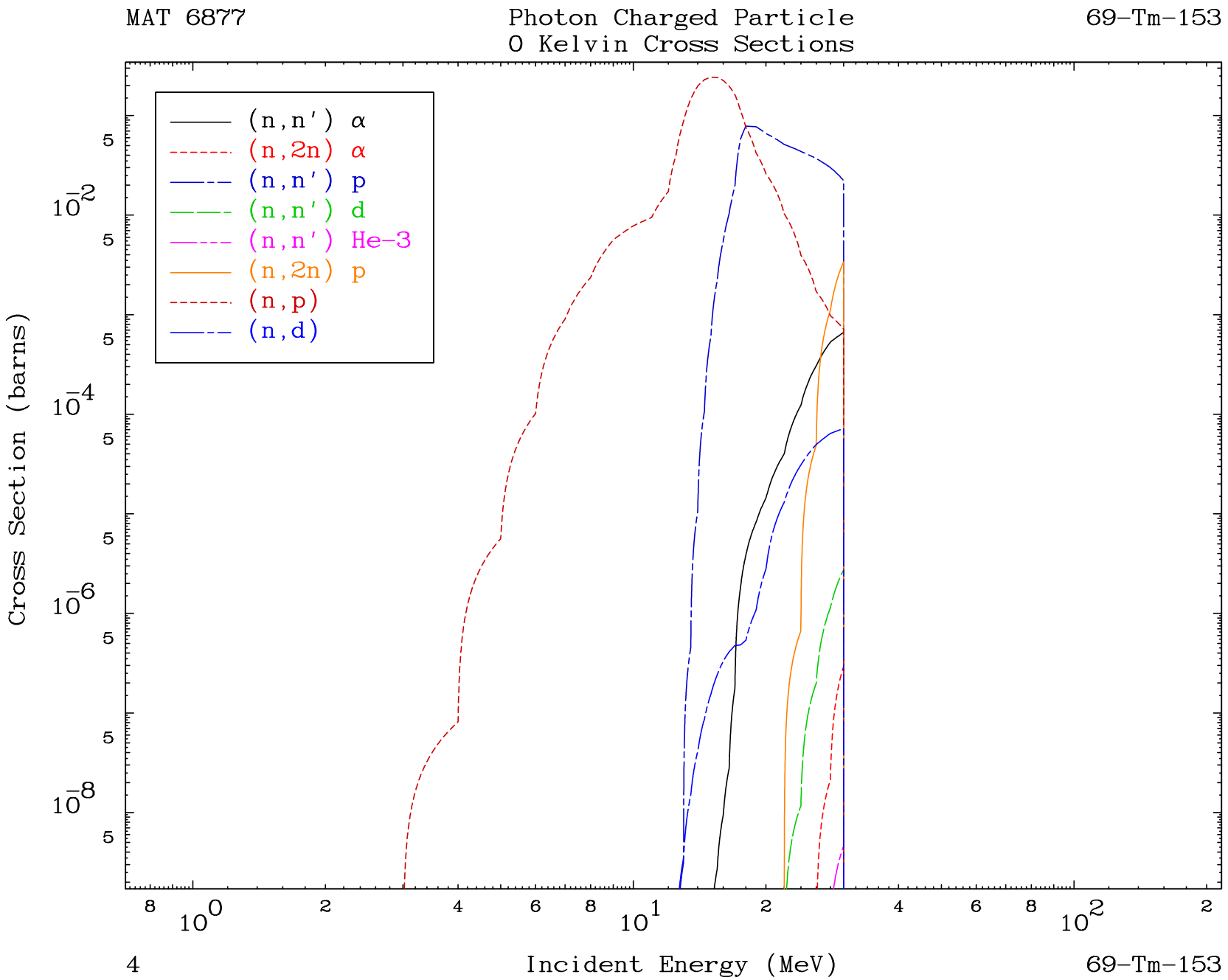
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

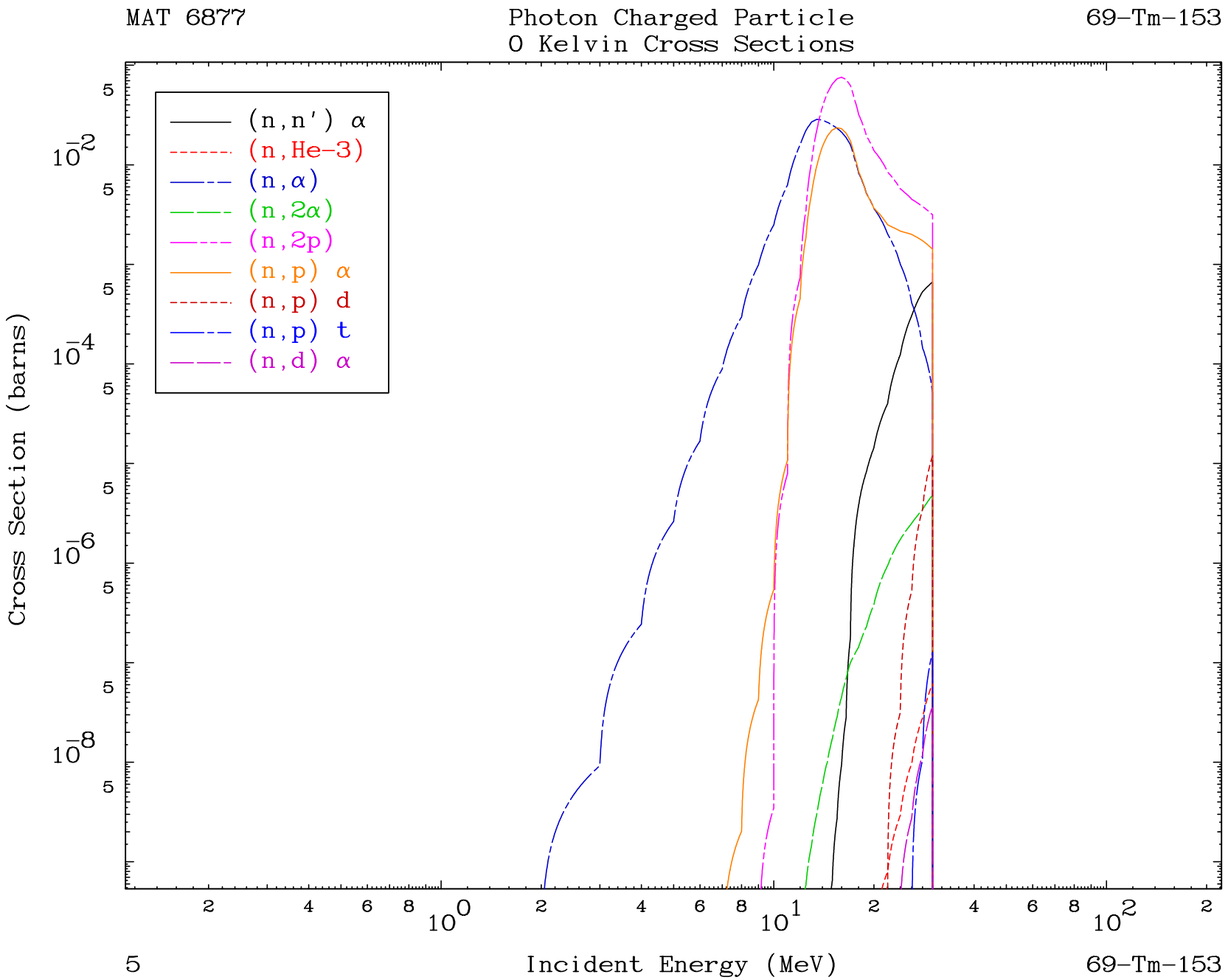
Press Mouse Button to Start

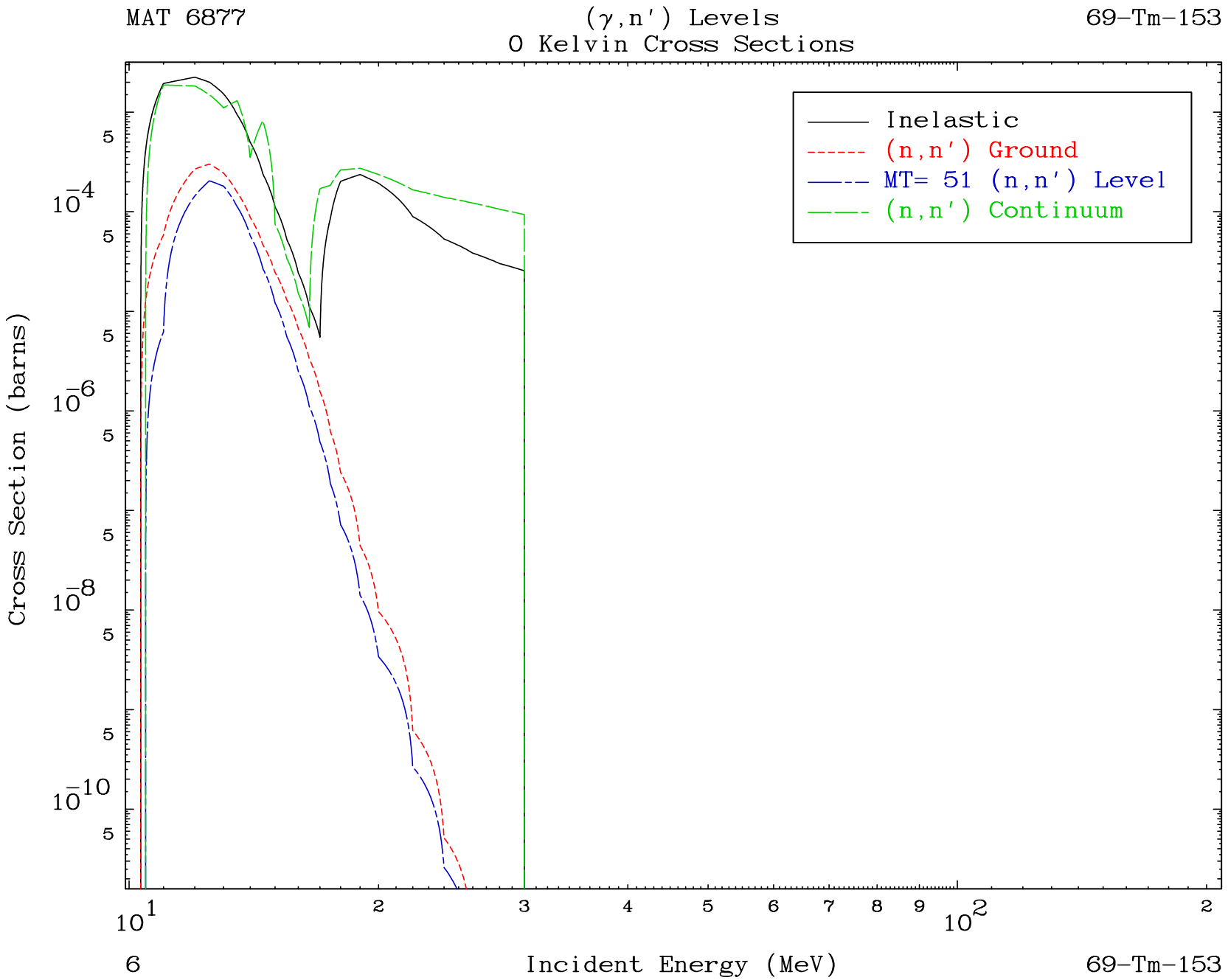

MAT 6877
Photon Major
69-Tm-153
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-153
1

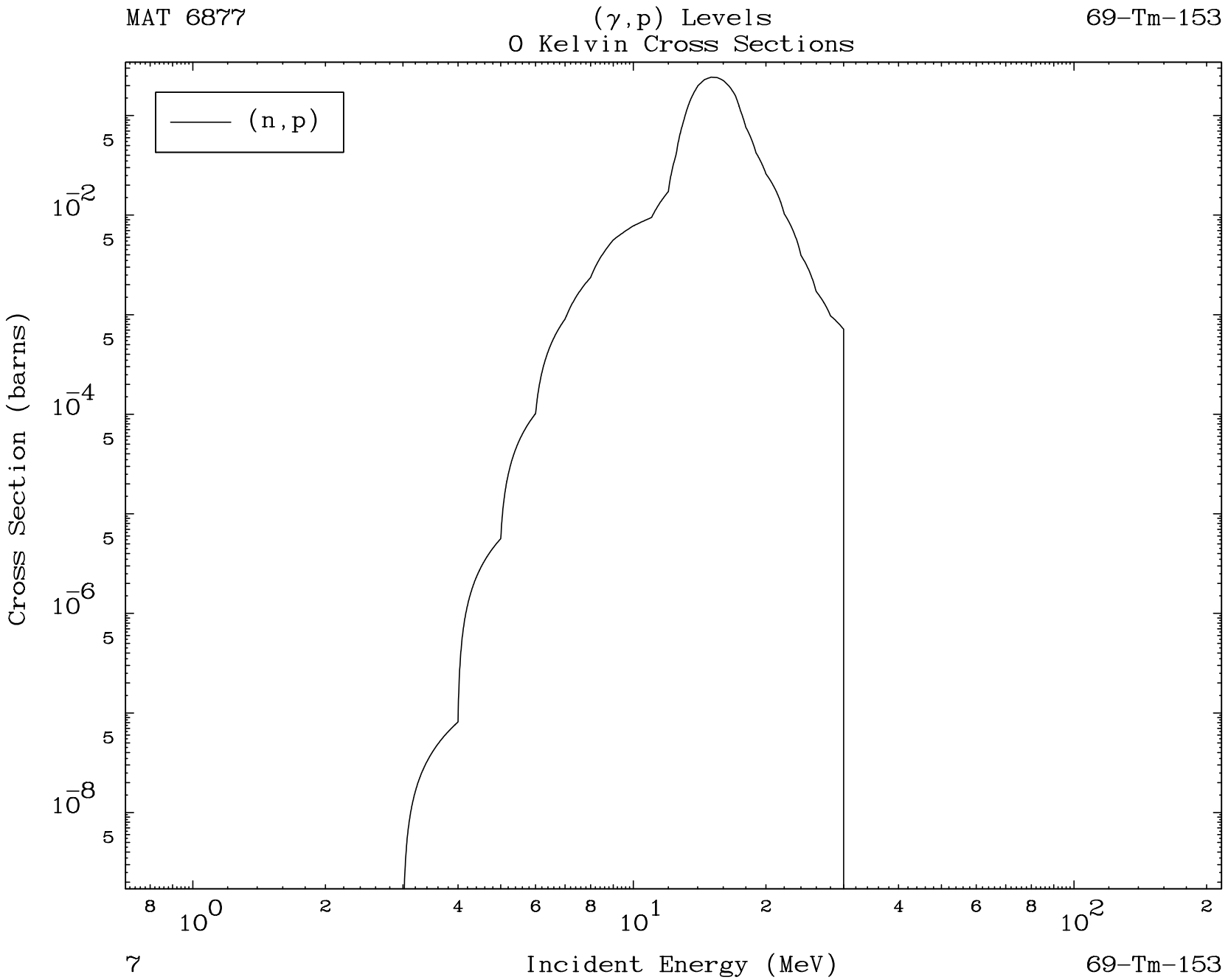

MAT 6877
Photon Neutron Absorption
0 Kelvin Cross Sections
69-Tm-153
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
69-Tm-153

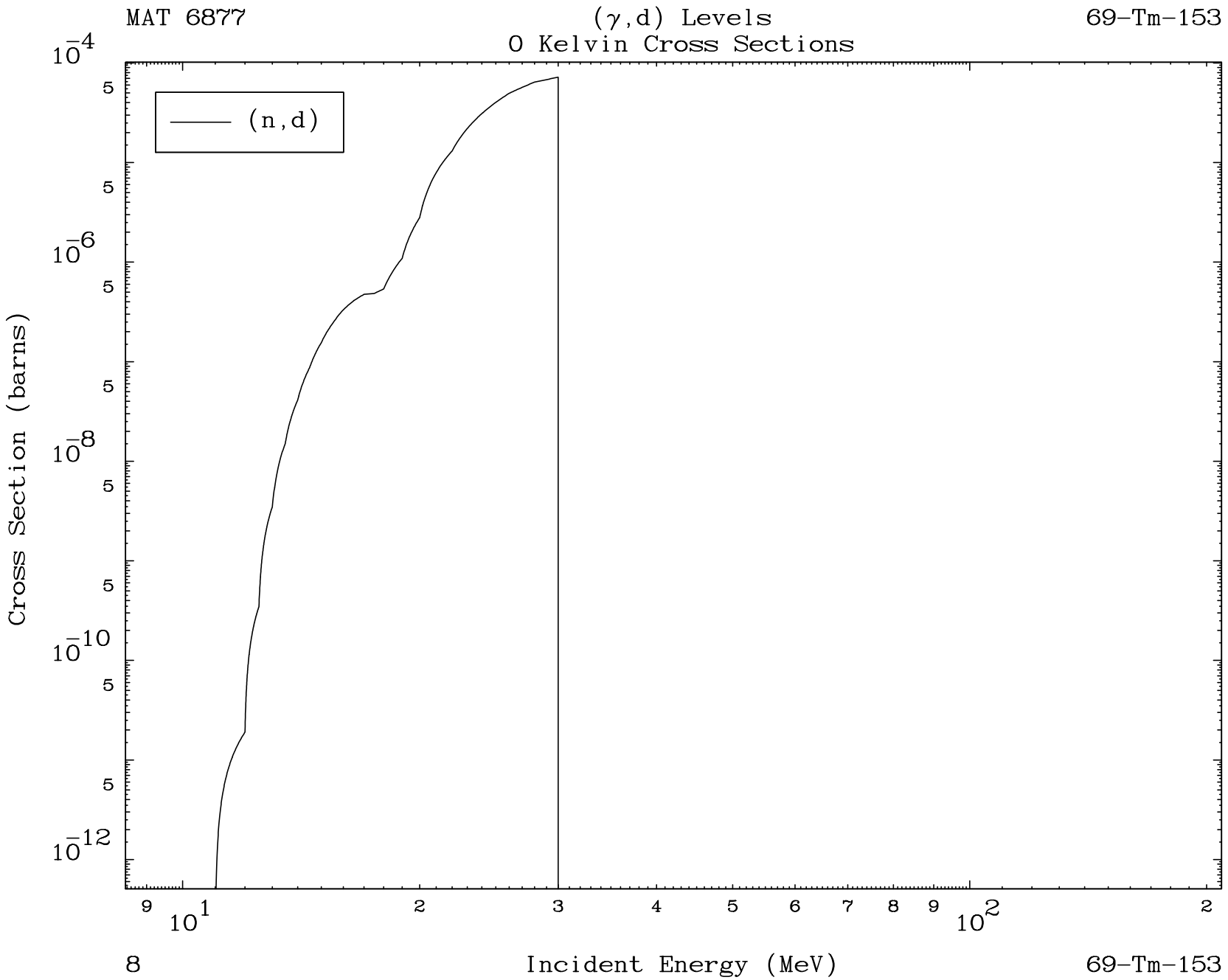

MAT 6877
Photon Neutron Absorption
0 Kelvin Cross Sections
69-Tm-153
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
69-Tm-153

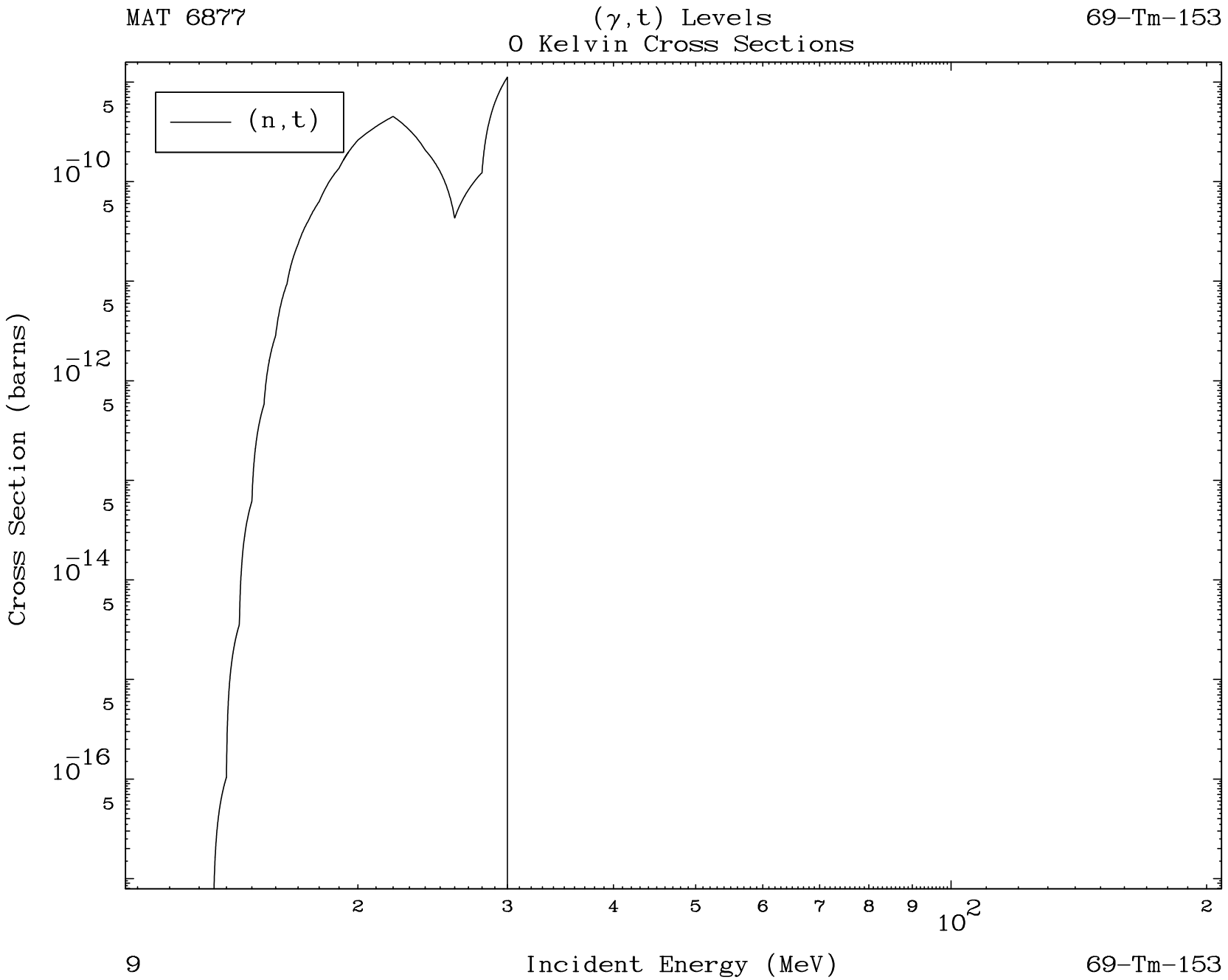

MAT 6877
Photon Charged Particle
0 Kelvin Cross Sections
69-Tm-153
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
69-Tm-153

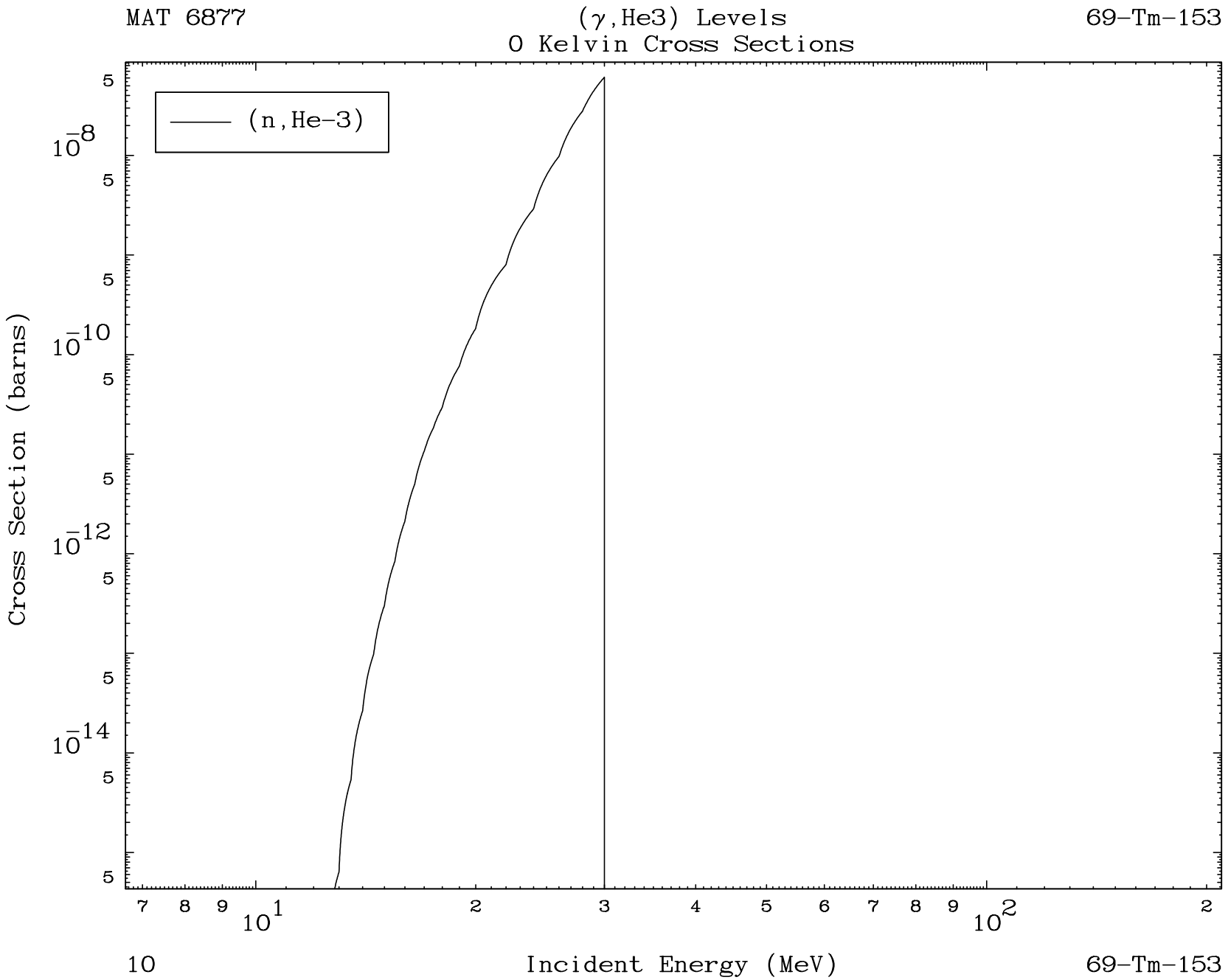

MAT 6877
Photon Charged Particle
0 Kelvin Cross Sections
69-Tm-153
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
69-Tm-153

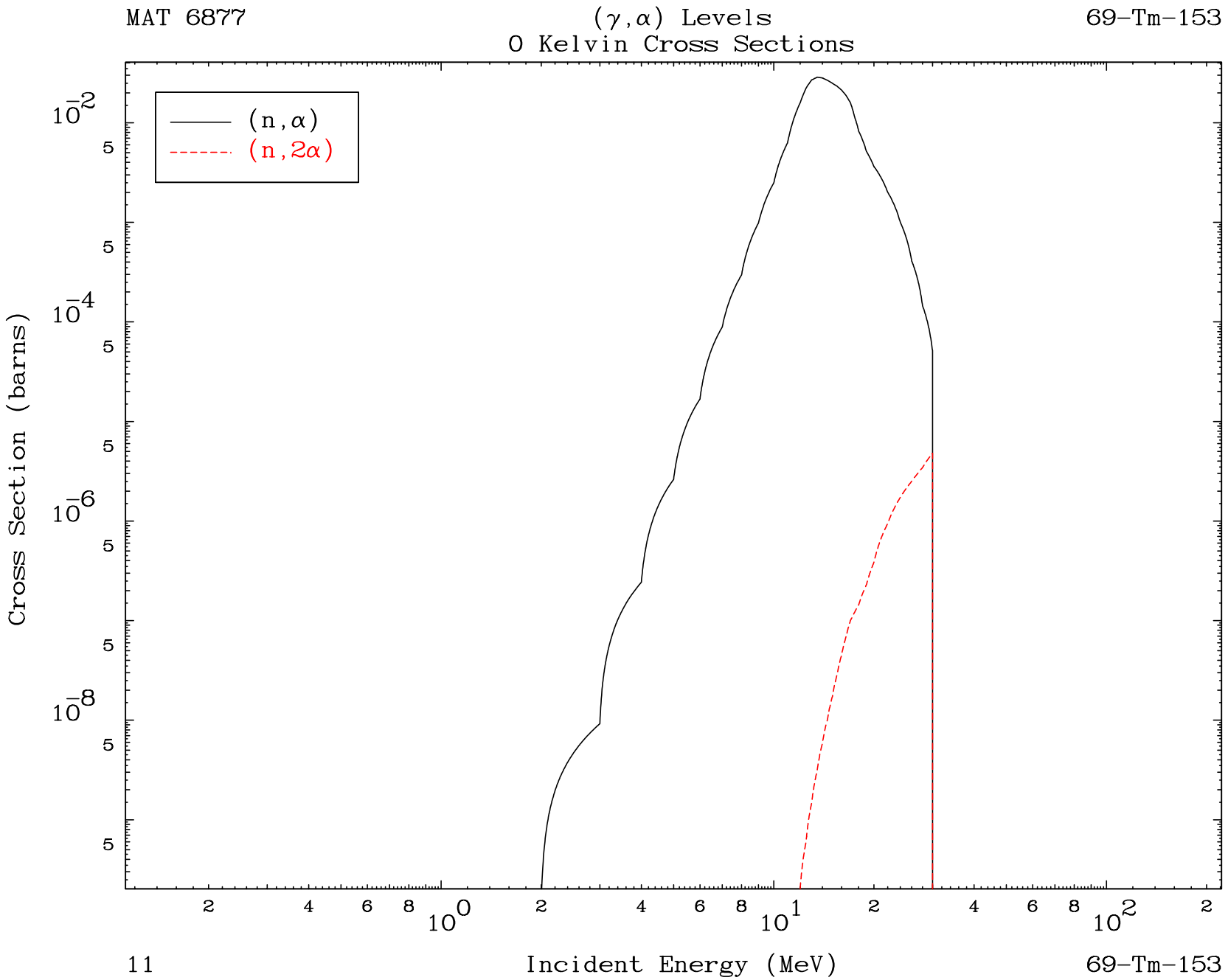

MAT 6877
(γ,n') Levels
0 Kelvin Cross Sections
69-Tm-153
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
69-Tm-153
6

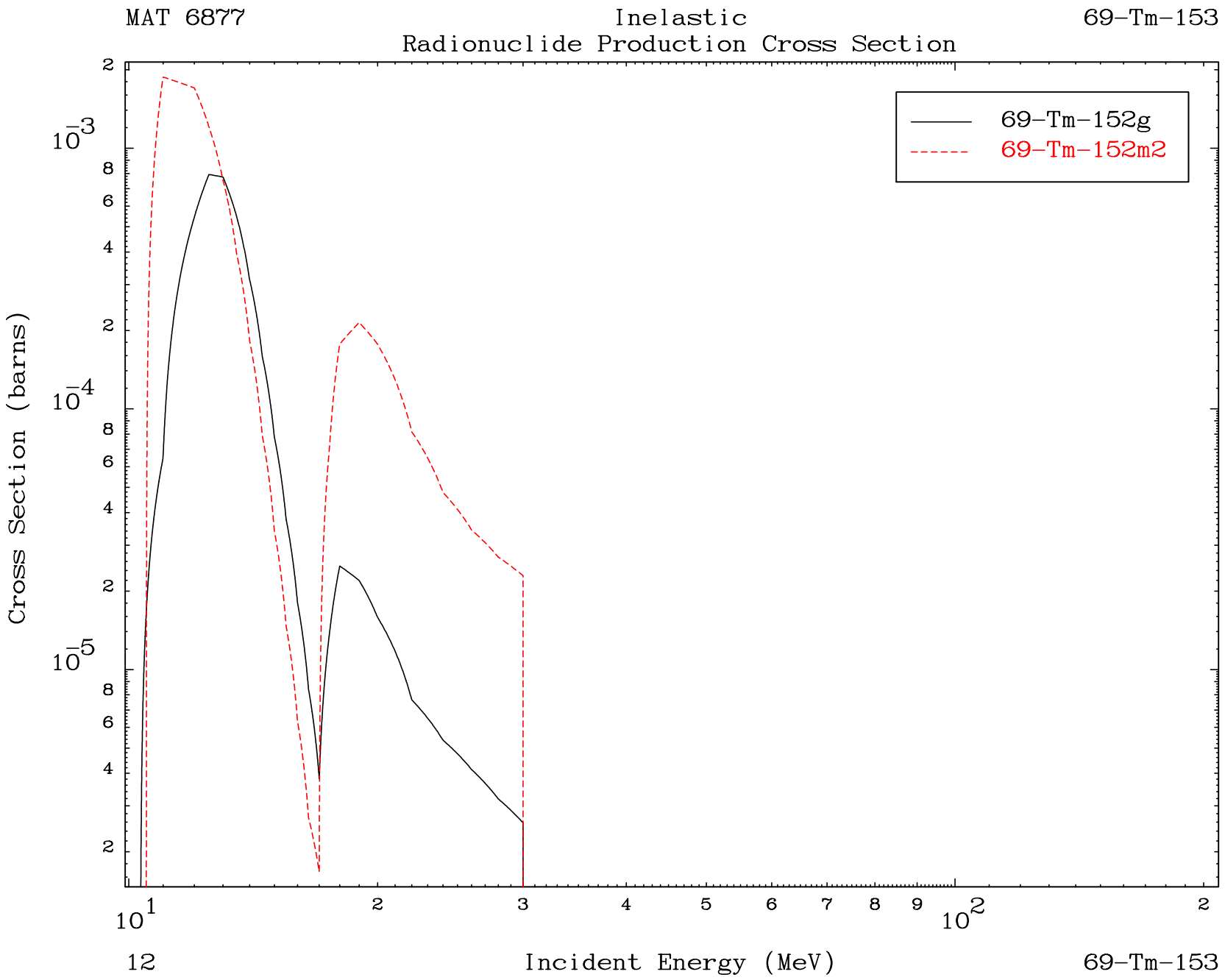

MAT 6877
(γ,p) Levels
69-Tm-153
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
69-Tm-153

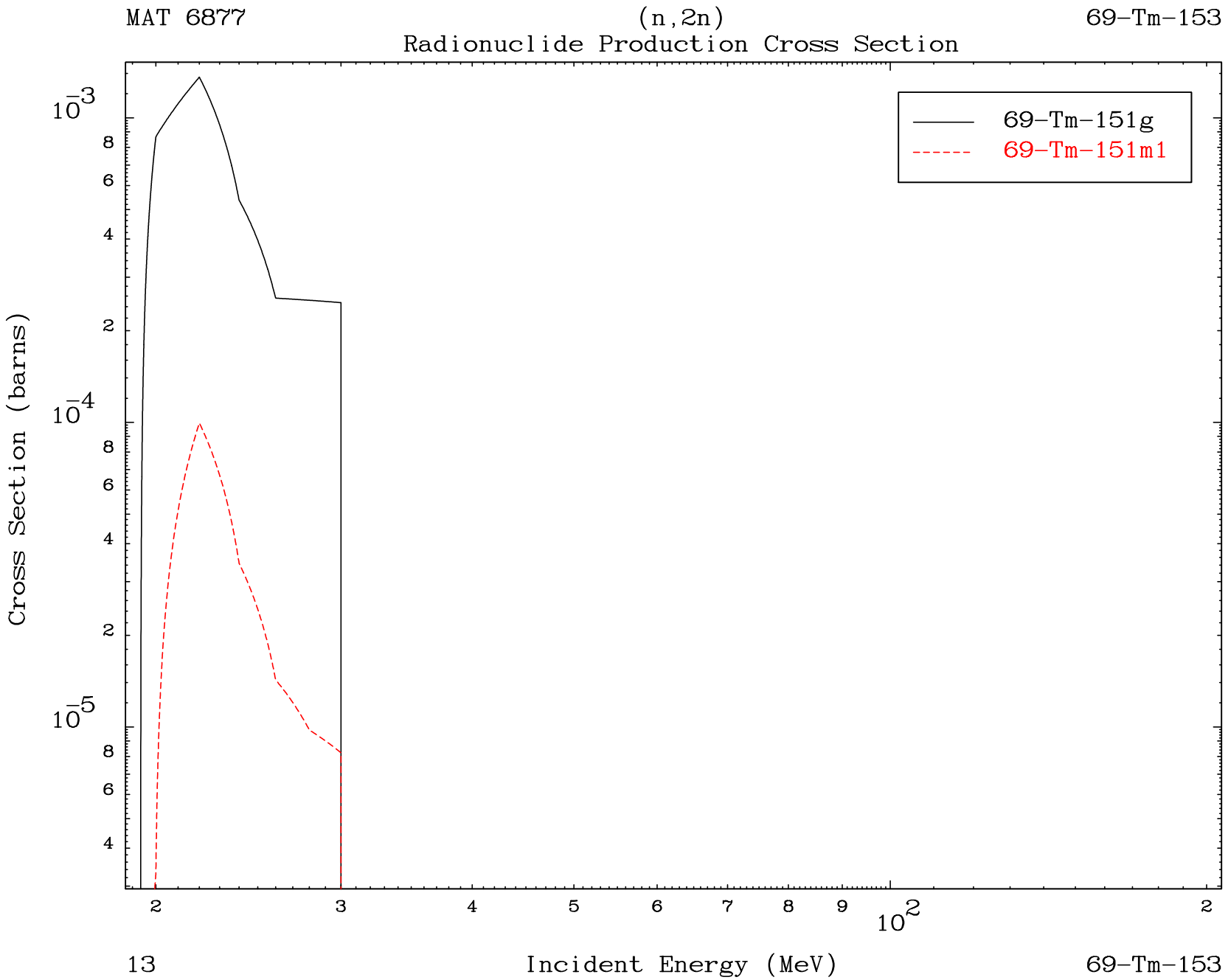

MAT 6877
(γ,d) Levels
69-Tm-153
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-153
8

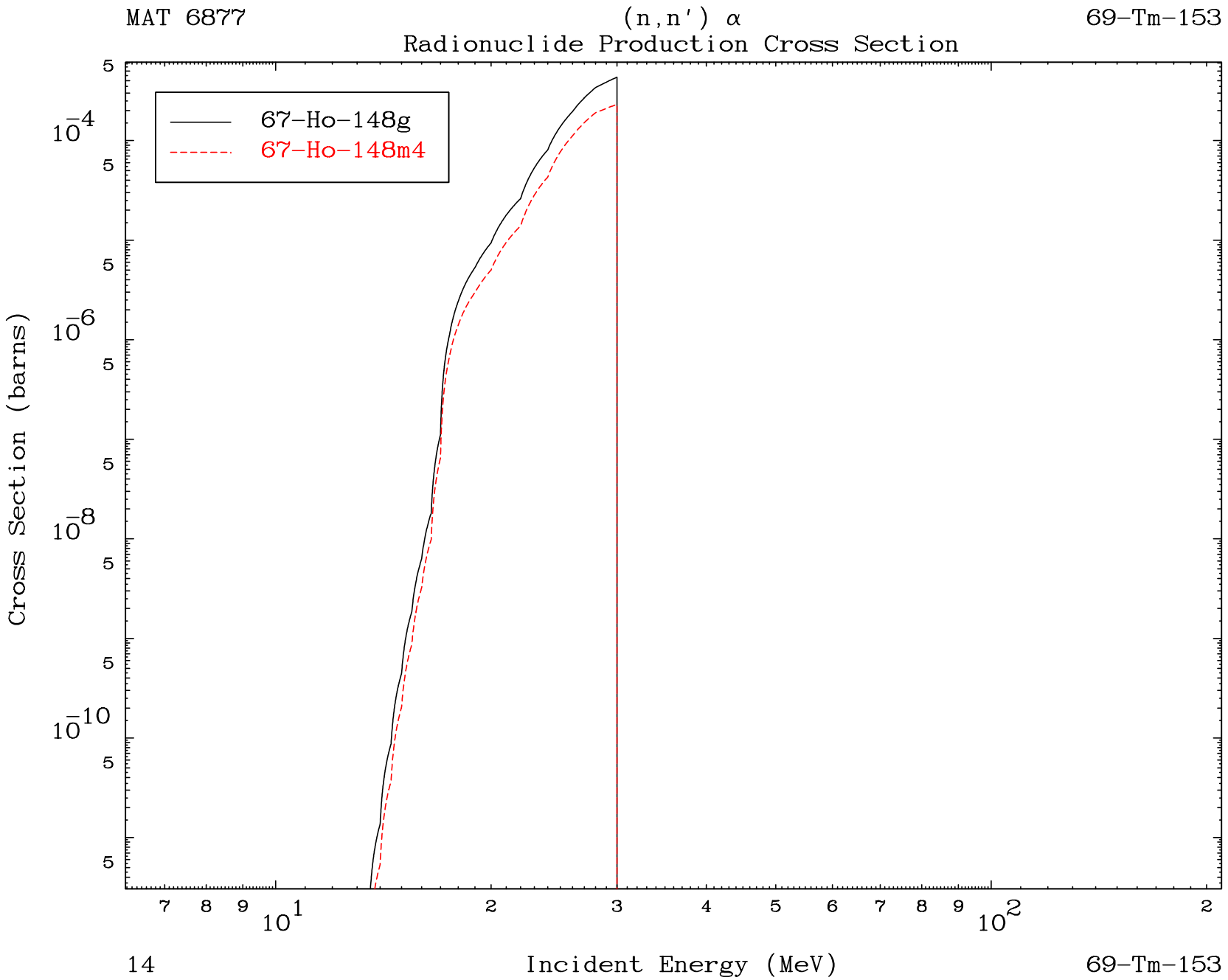

MAT 6877
(γ,t) Levels
69-Tm-153
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
69-Tm-153

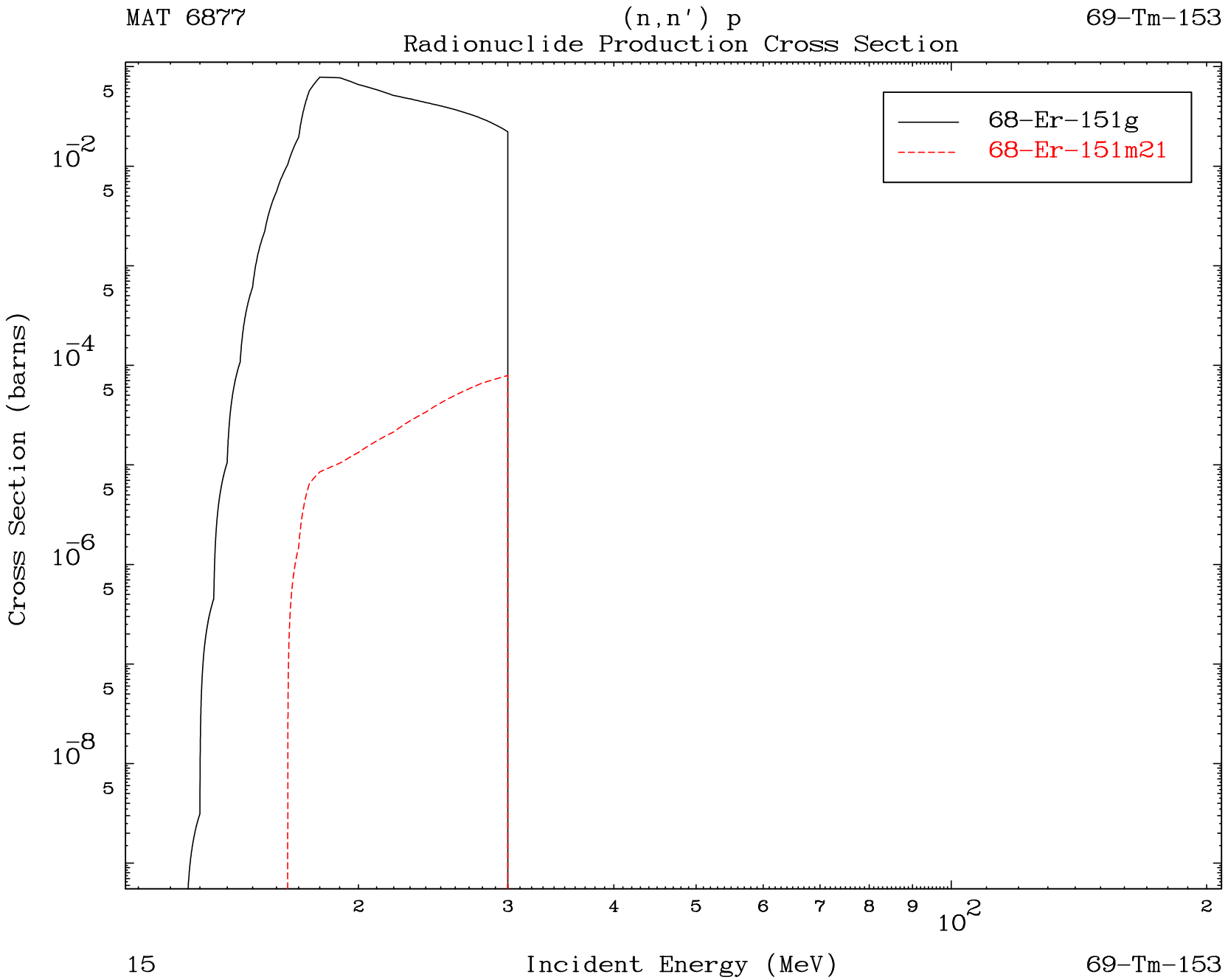

MAT 6877
(γ,He3) Levels
69-Tm-153
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-153

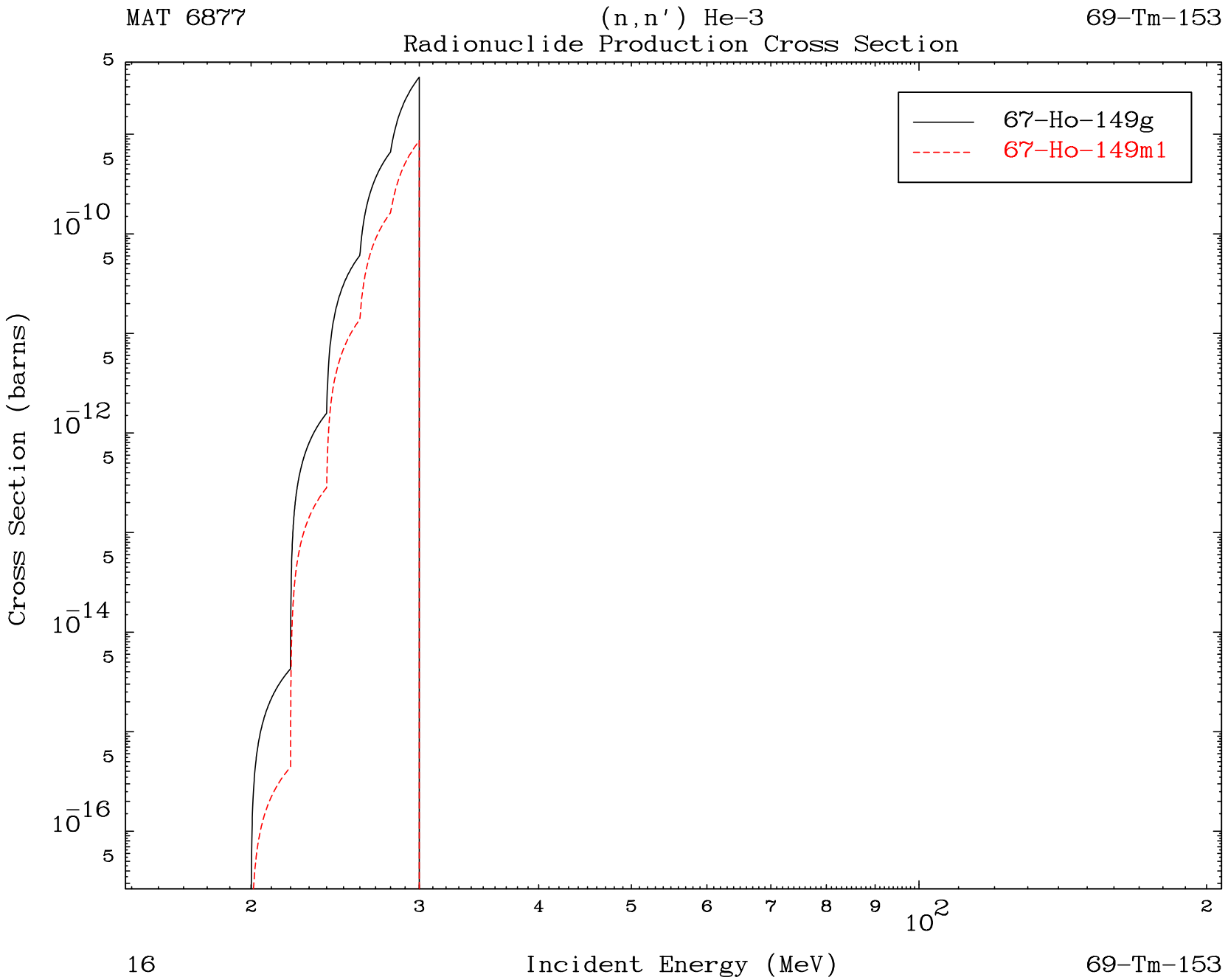

MAT 6877
(γ,α) Levels
69-Tm-153
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
69-Tm-153

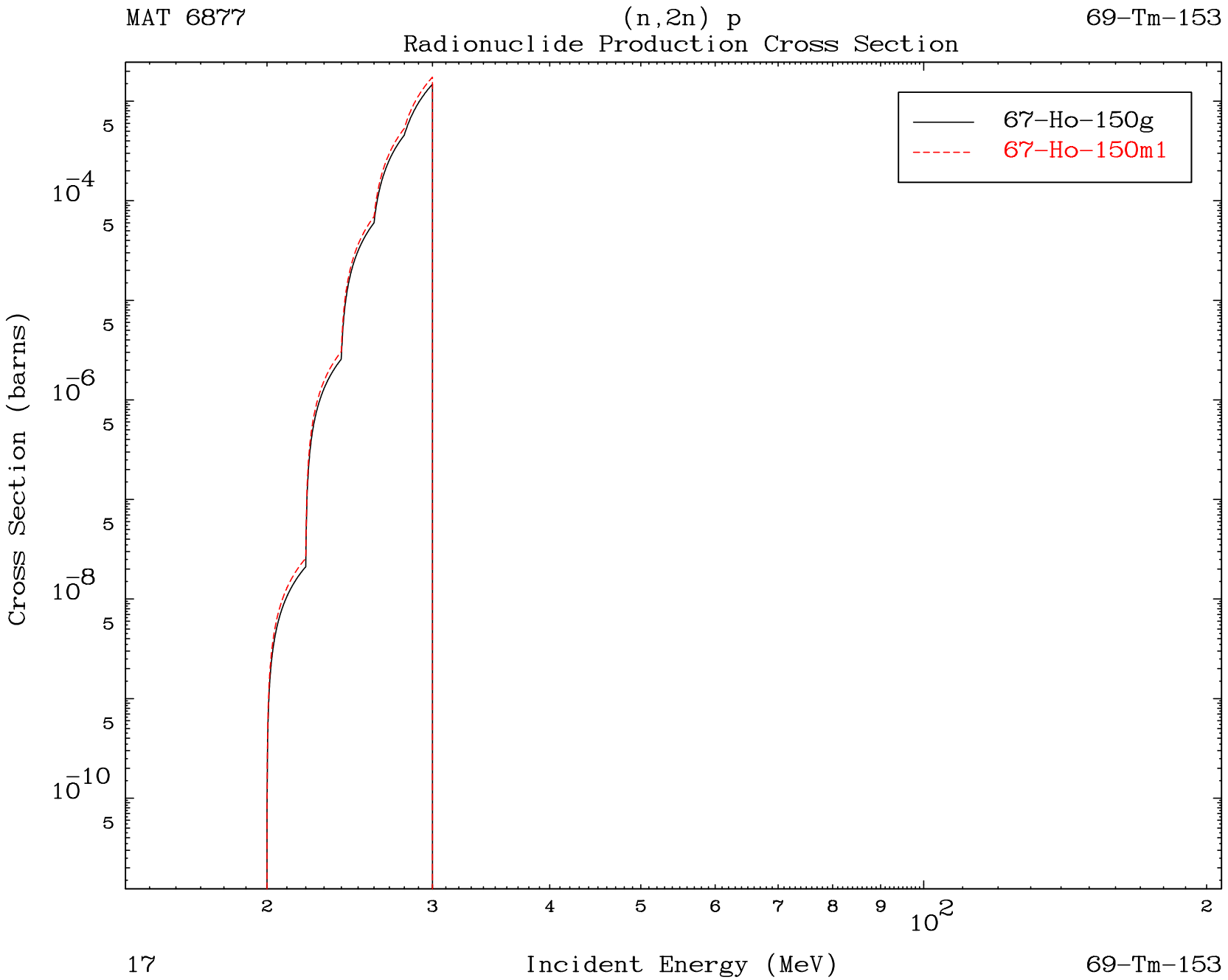

MAT 6877
Inelastic
69-Tm-153
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
Incident Energy (MeV)
69-Tm-153
12

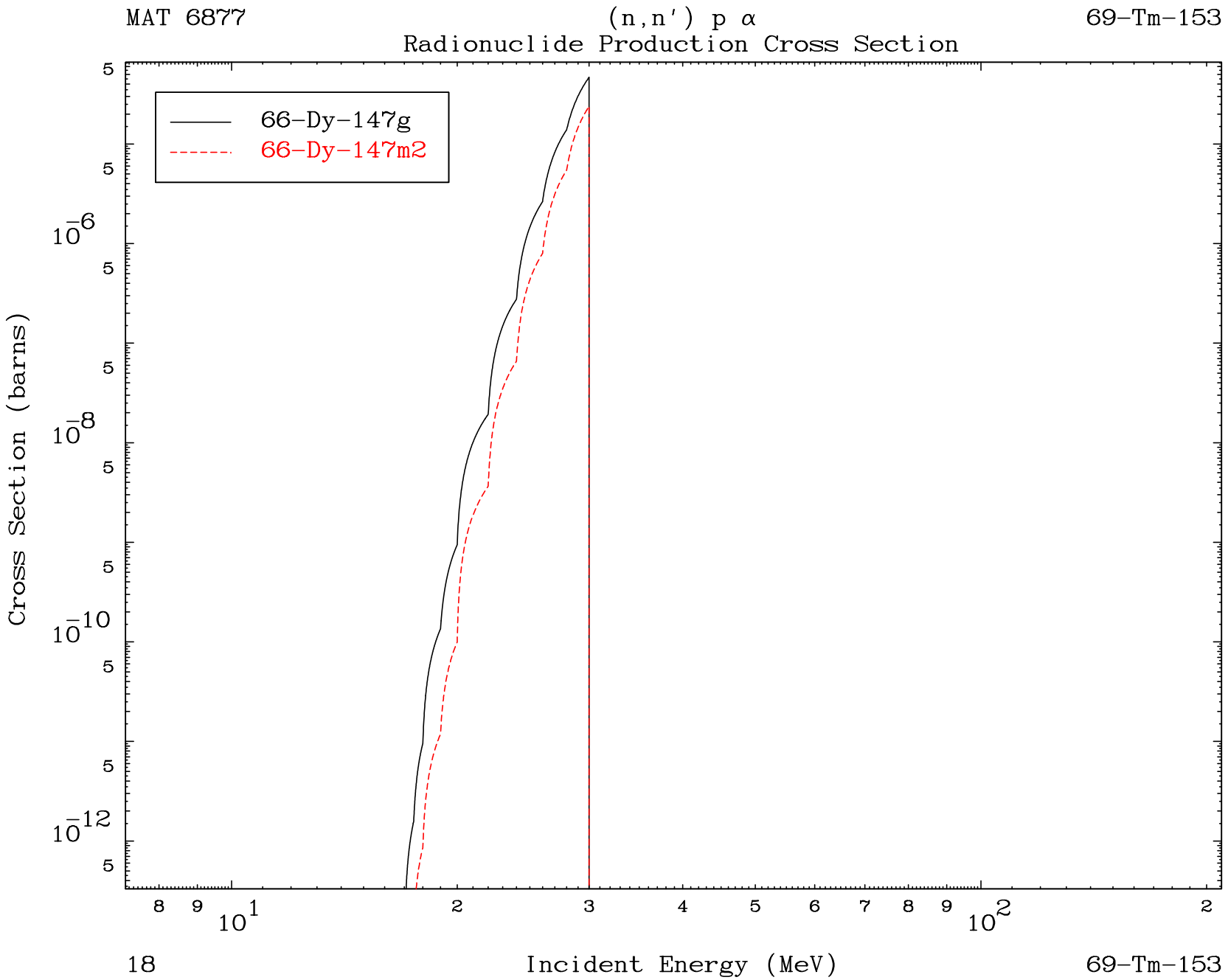

MAT 6877
(n,2n)
69-Tm-153
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10-3
10-4
10-5
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
69-Tm-153

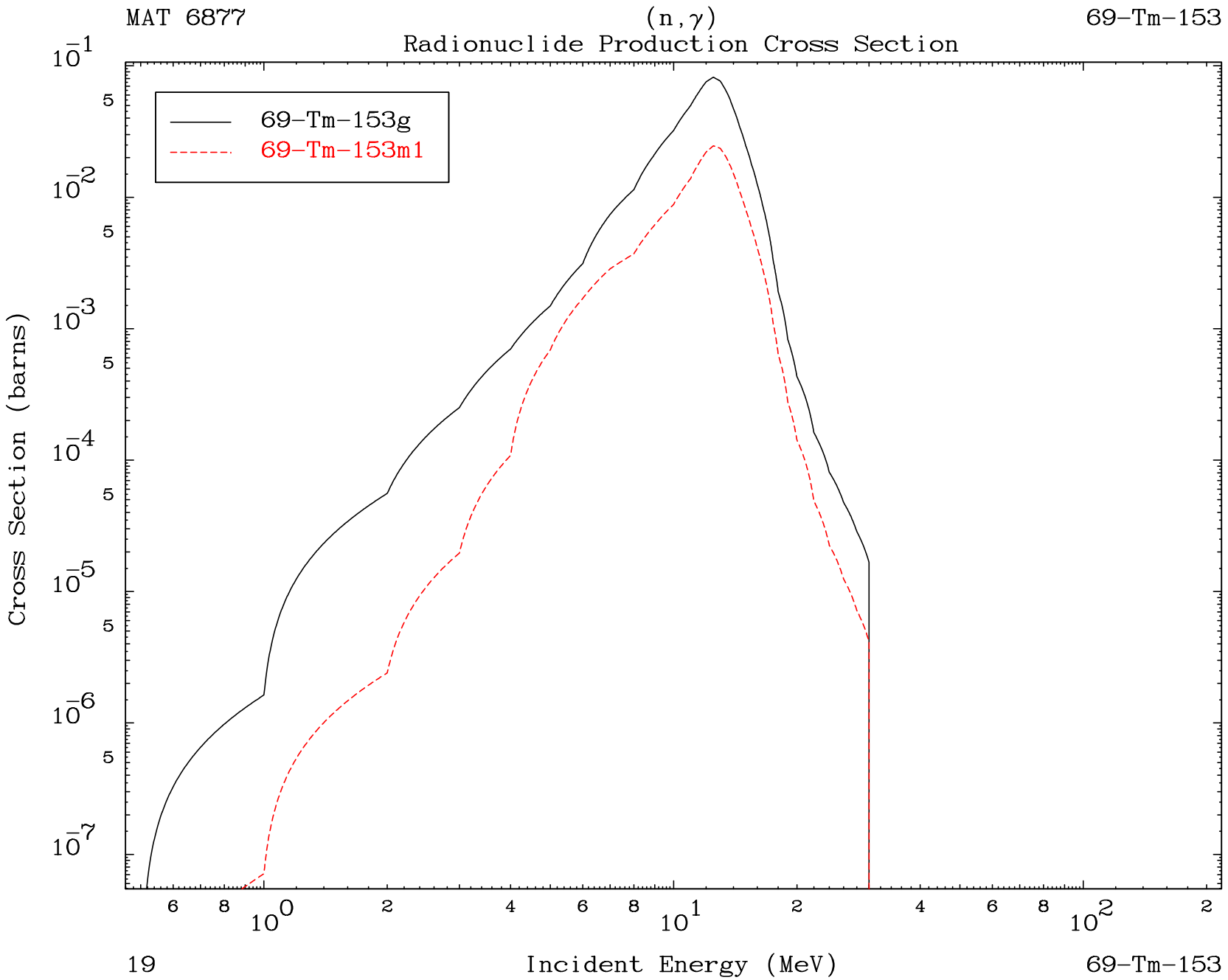

MAT 6877
(n,n') α
69-Tm-153
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
Incident Energy (MeV)
14
69-Tm-153

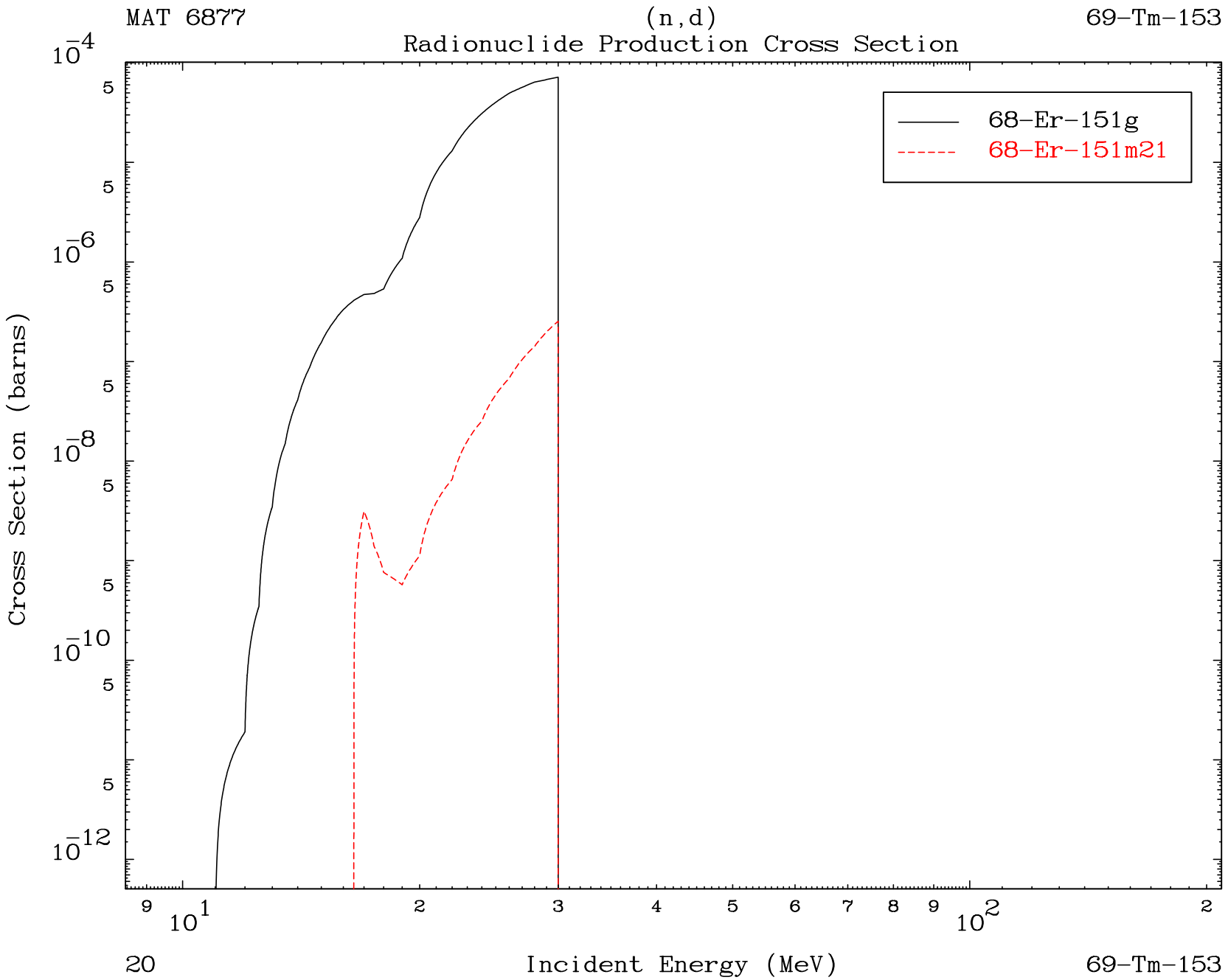

MAT 6877
(n,n') p
69-Tm-153
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
69-Tm-153

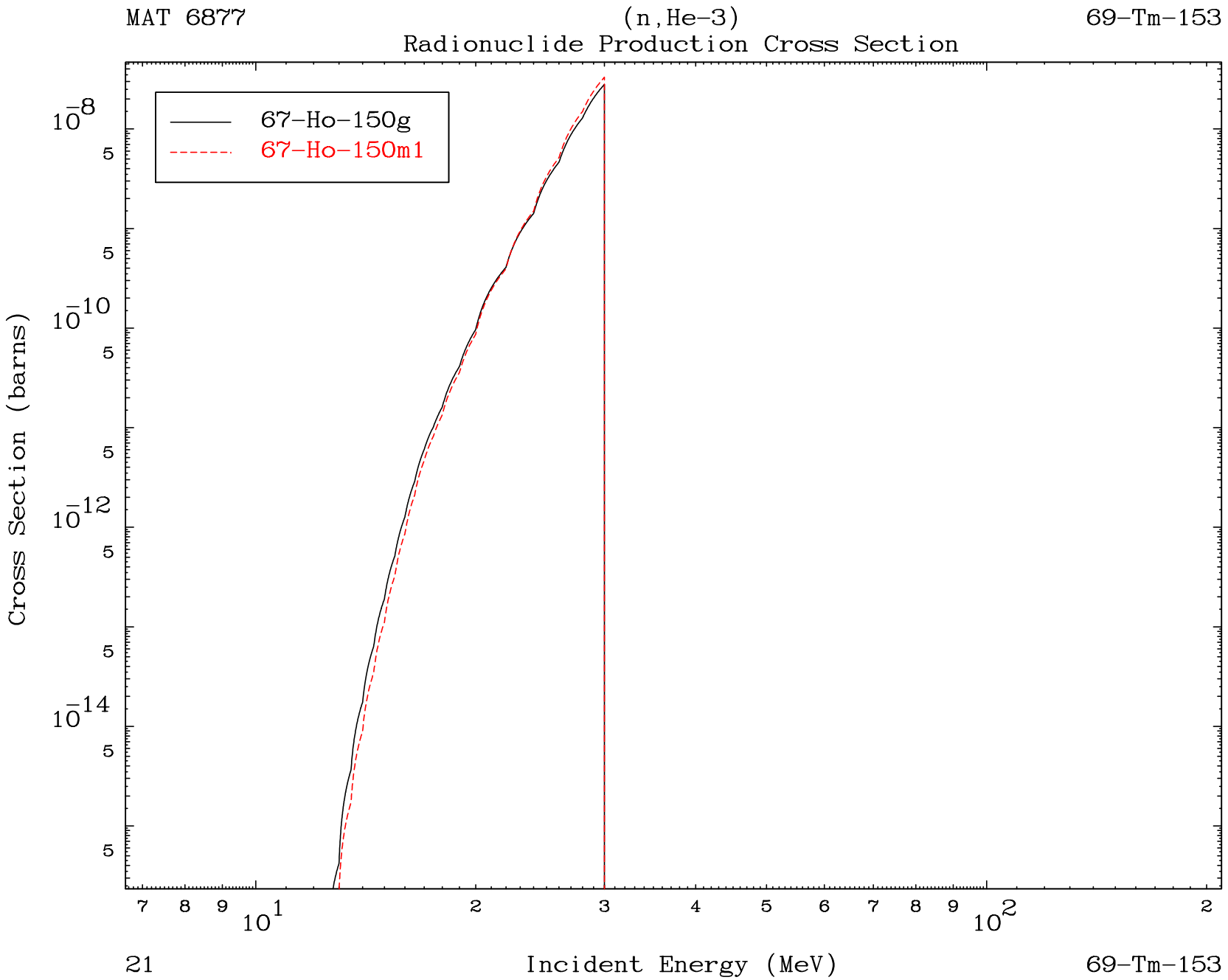

MAT 6877
(n,n') He-3
69-Tm-153
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
Incident Energy (MeV)
16
69-Tm-153

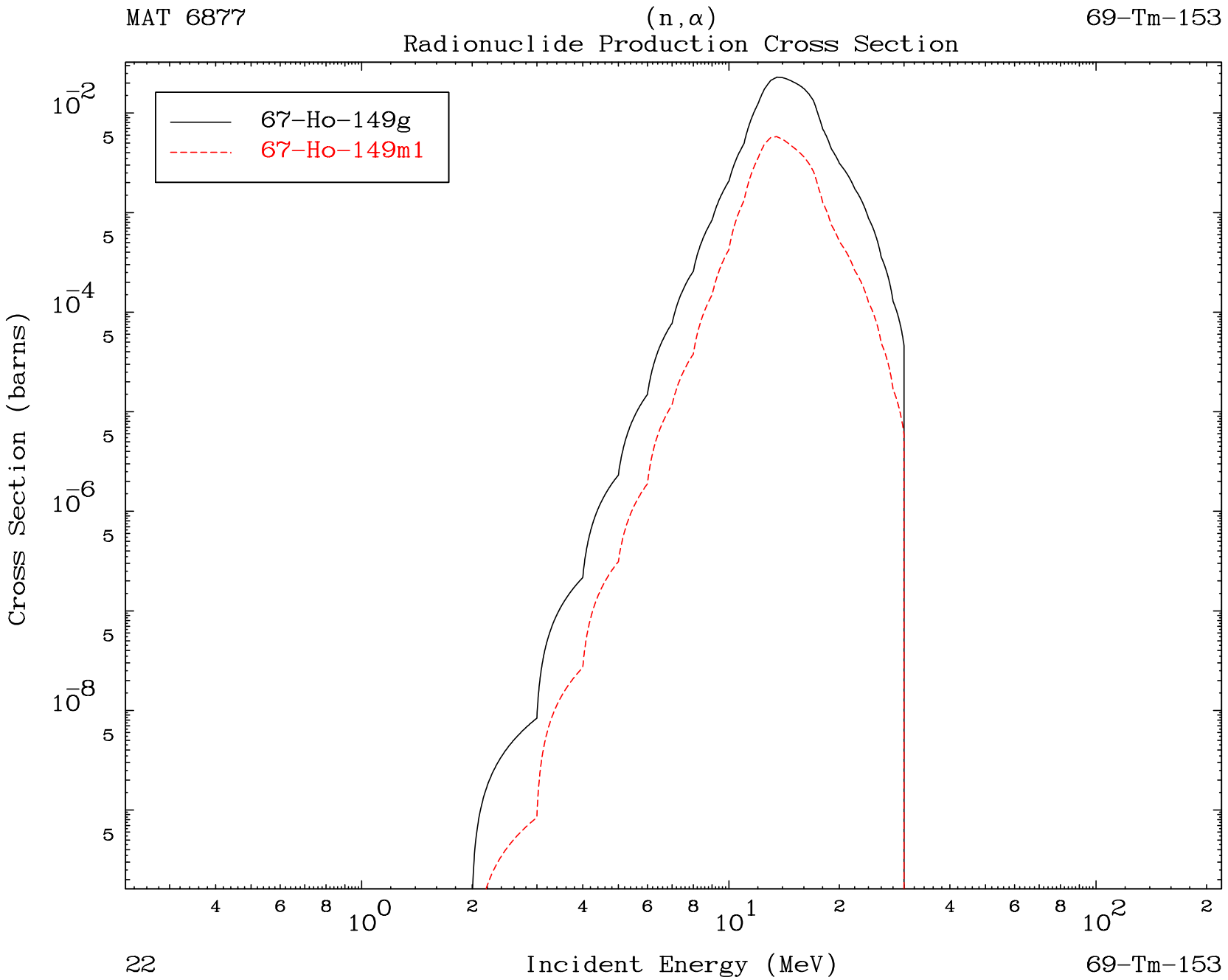

MAT 6877
(n,2n) p
69-Tm-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
69-Tm-153

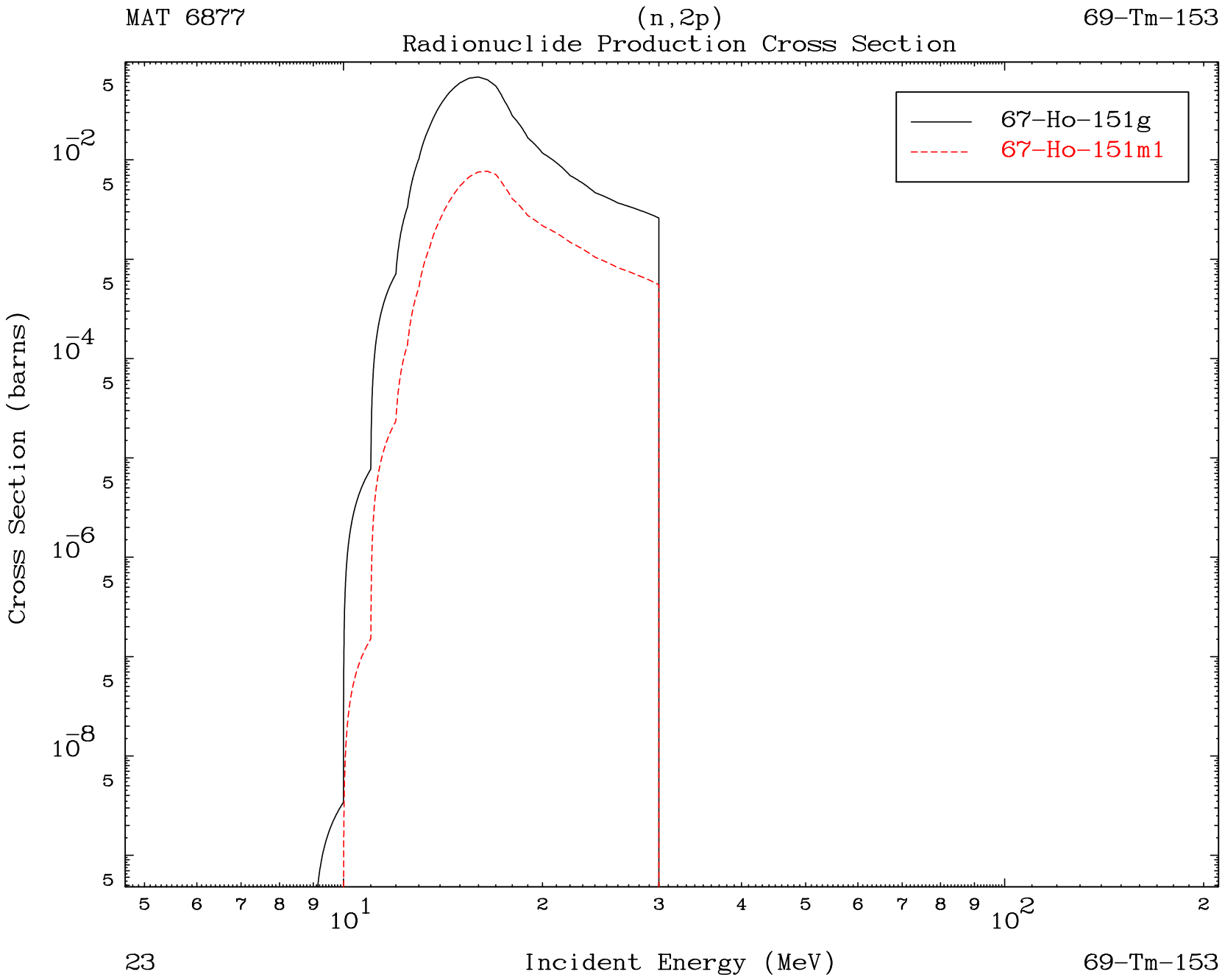

MAT 6877
(n,n') p α
69-Tm-153
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
18
69-Tm-153

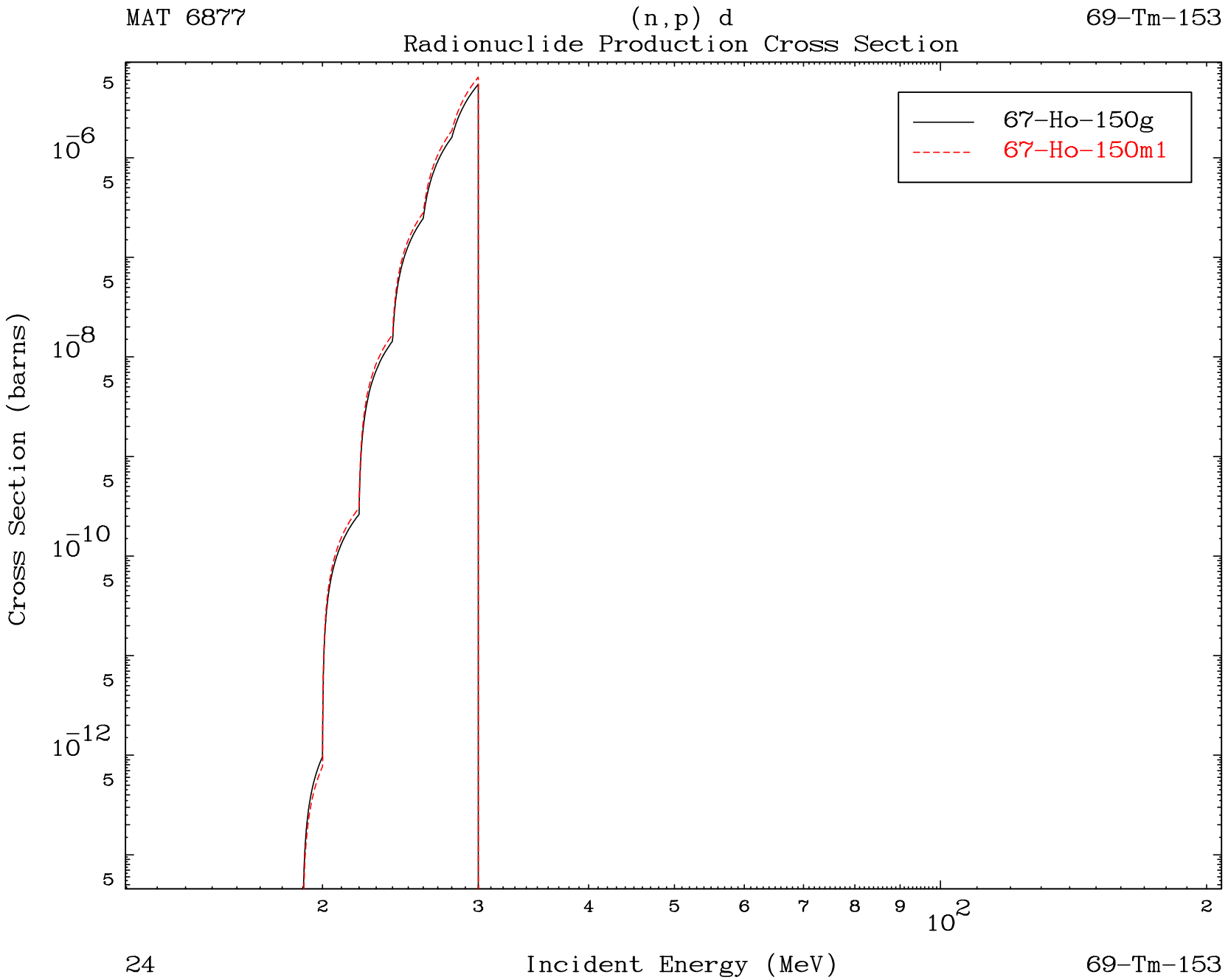

MAT 6877
(n,γ)
69-Tm-153
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
19
69-Tm-153

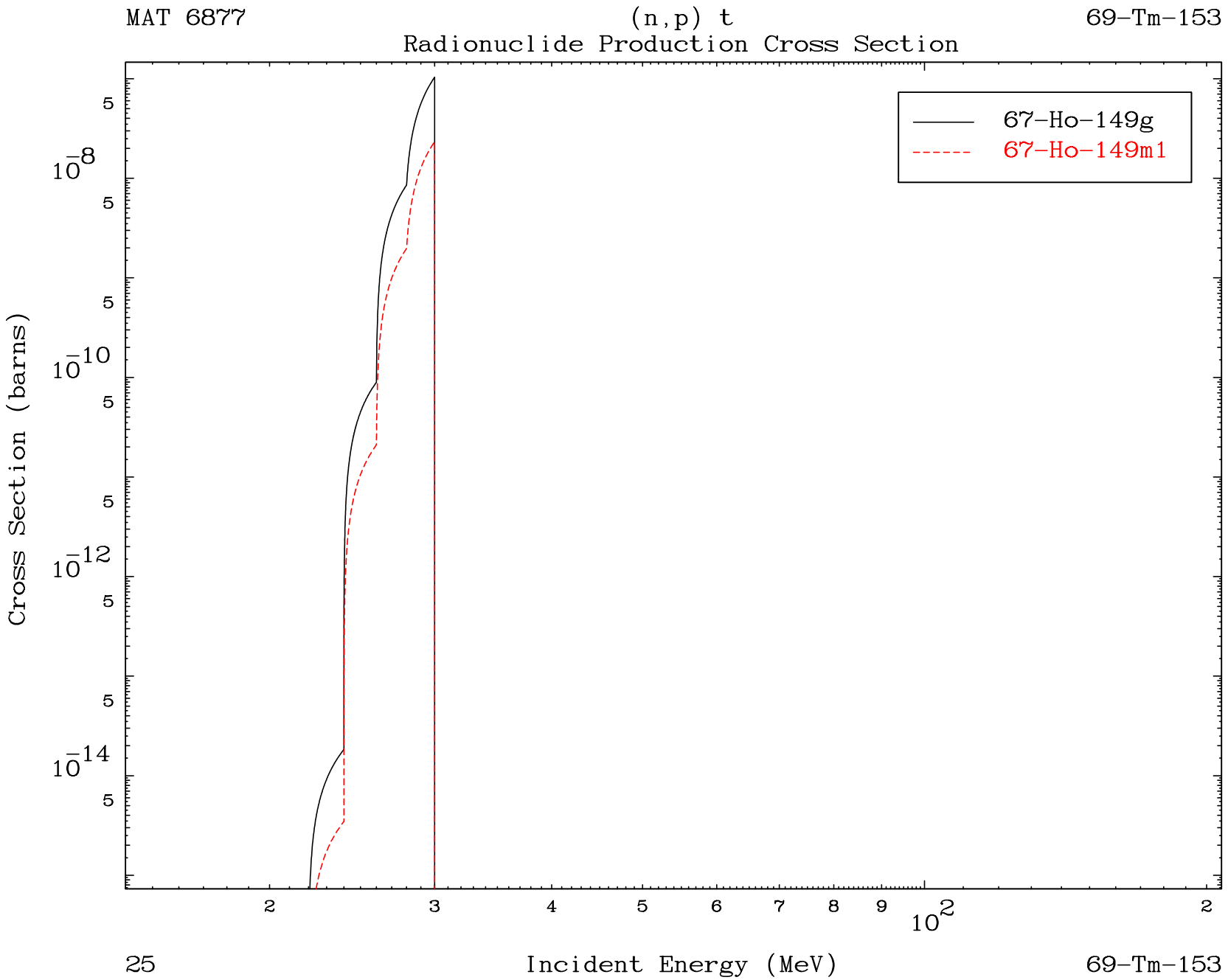

MAT 6877
(n,d)
69-Tm-153
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
Incident Energy (MeV)
20
69-Tm-153

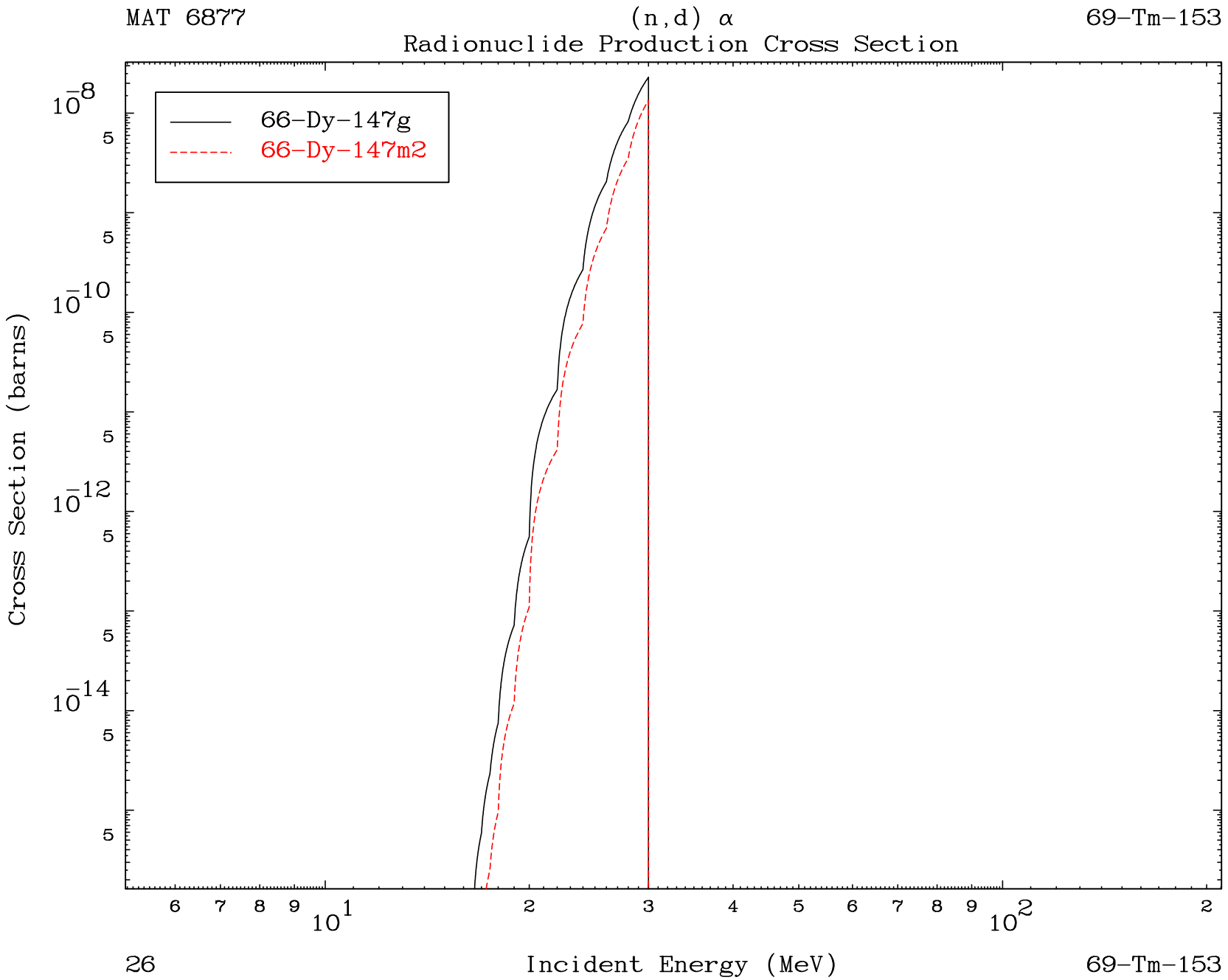

MAT 6877
(n,He-3)
69-Tm-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
21
69-Tm-153


MAT 6877
(n,α)
69-Tm-153
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
Incident Energy (MeV)
22
69-Tm-153


MAT 6877
(n,2p)
69-Tm-153
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
23
69-Tm-153


MAT 6877
(n,p) d
69-Tm-153
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
Incident Energy (MeV)
24
69-Tm-153


MAT 6877
(n,p) t
69-Tm-153
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
69-Tm-153


MAT 6877
(n,d) α
69-Tm-153
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
26
69-Tm-153