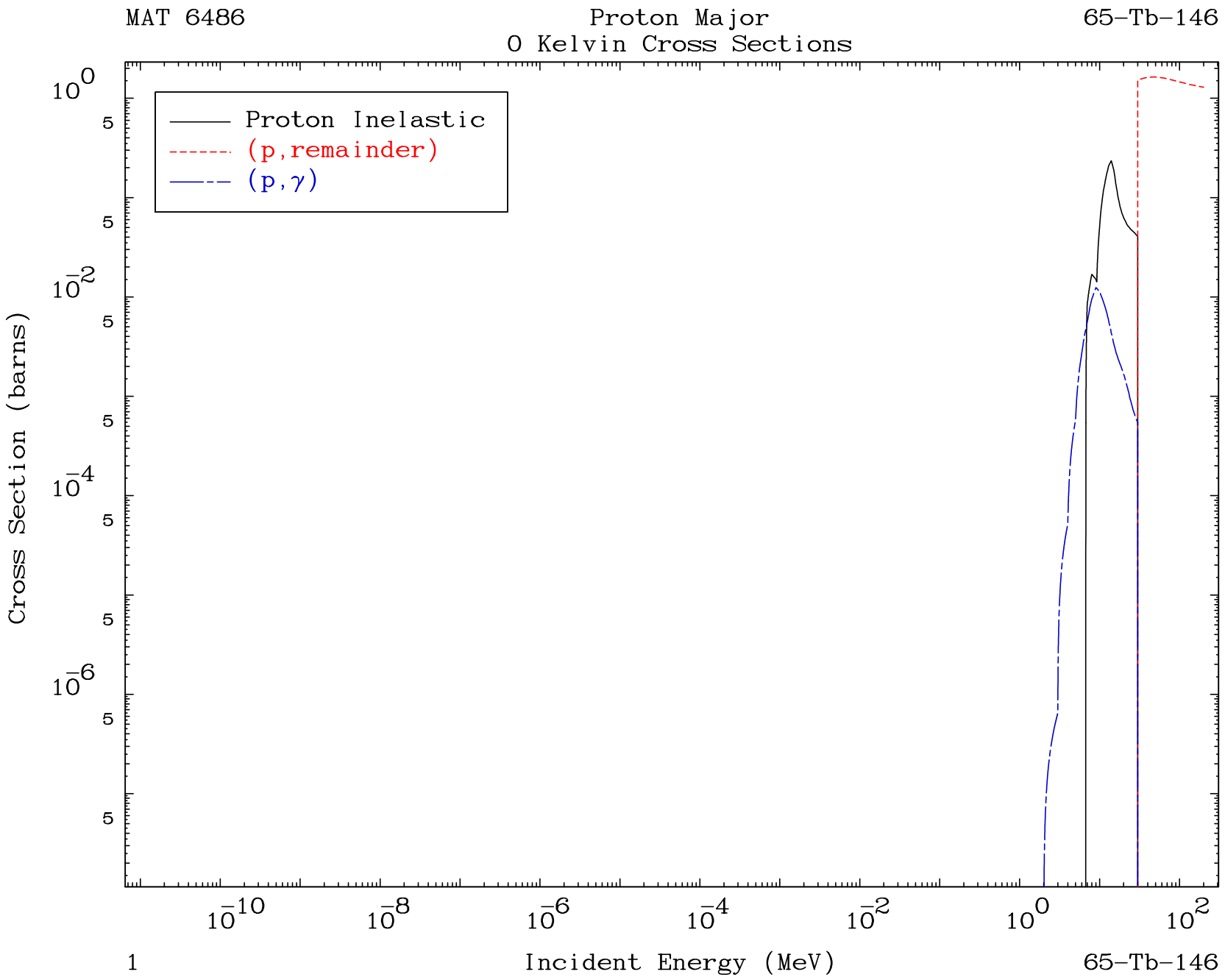
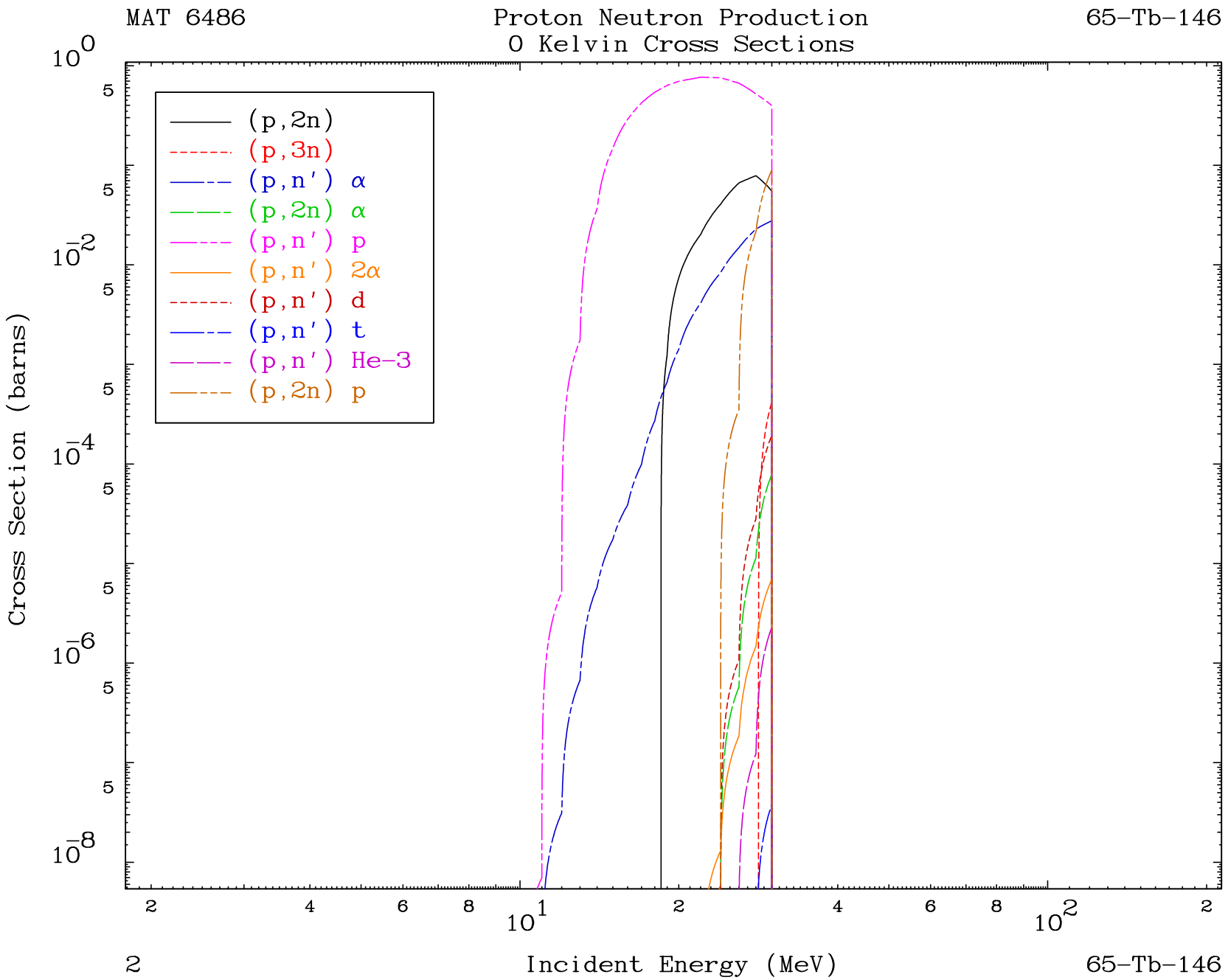
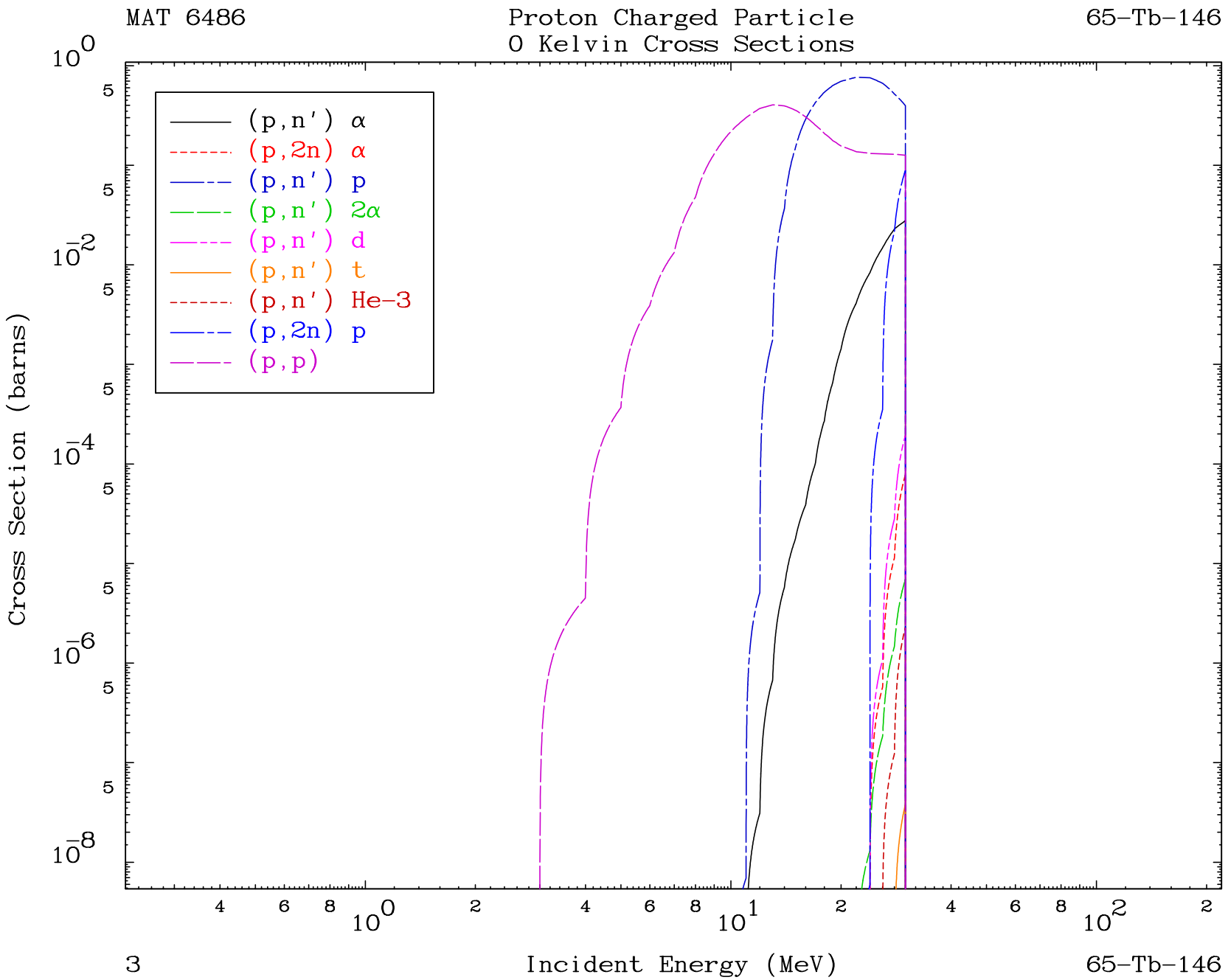
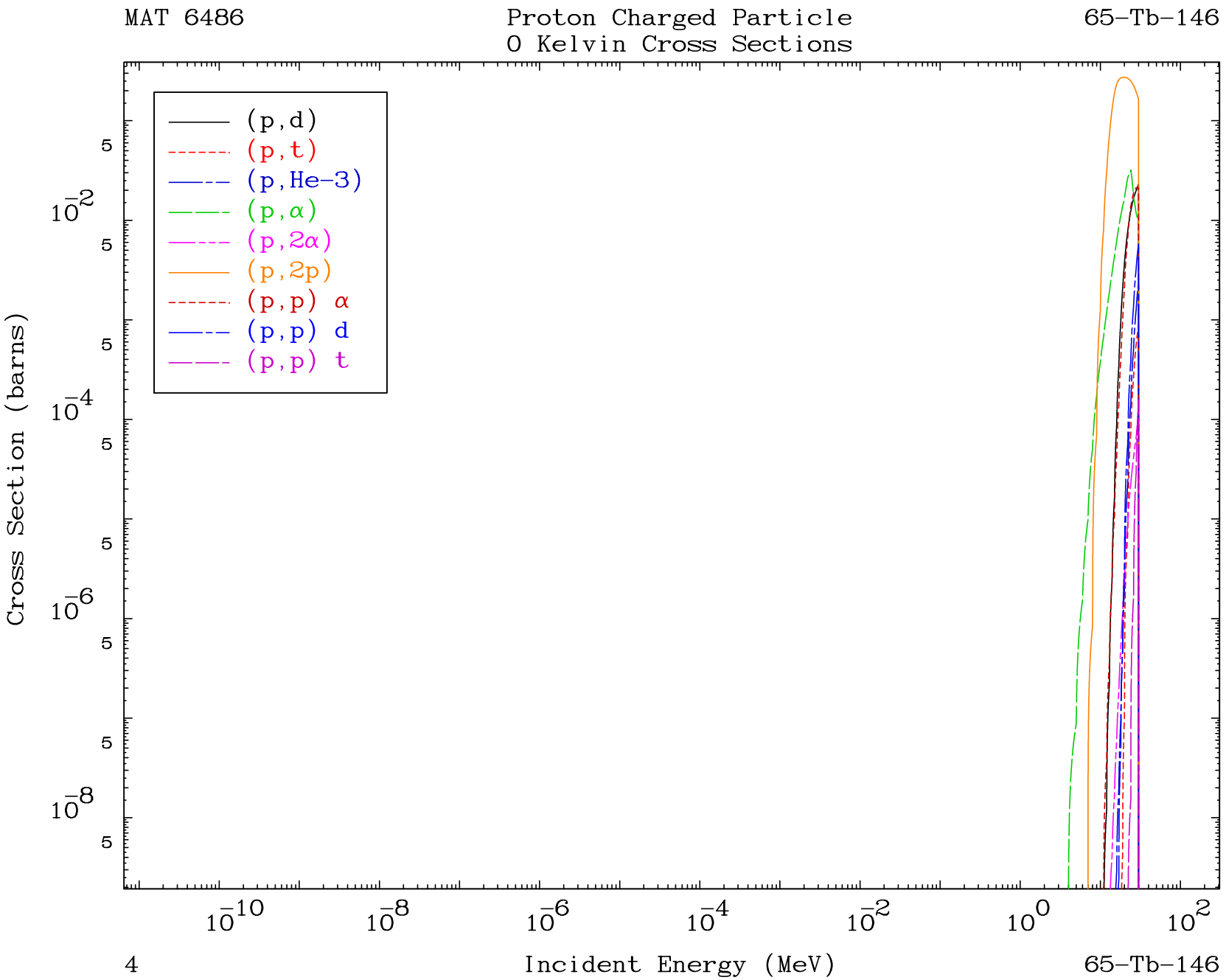
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

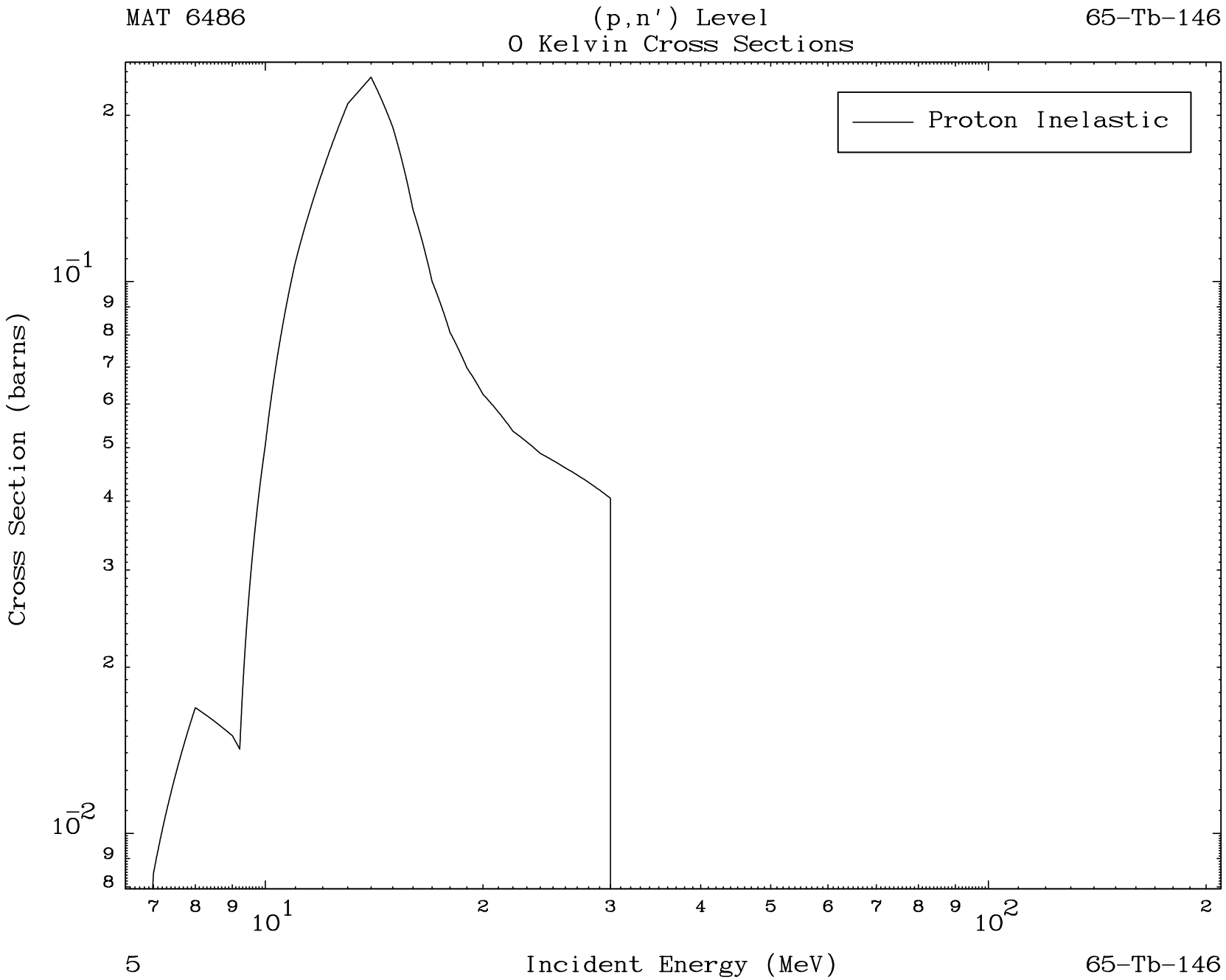
Press Mouse Button to Start

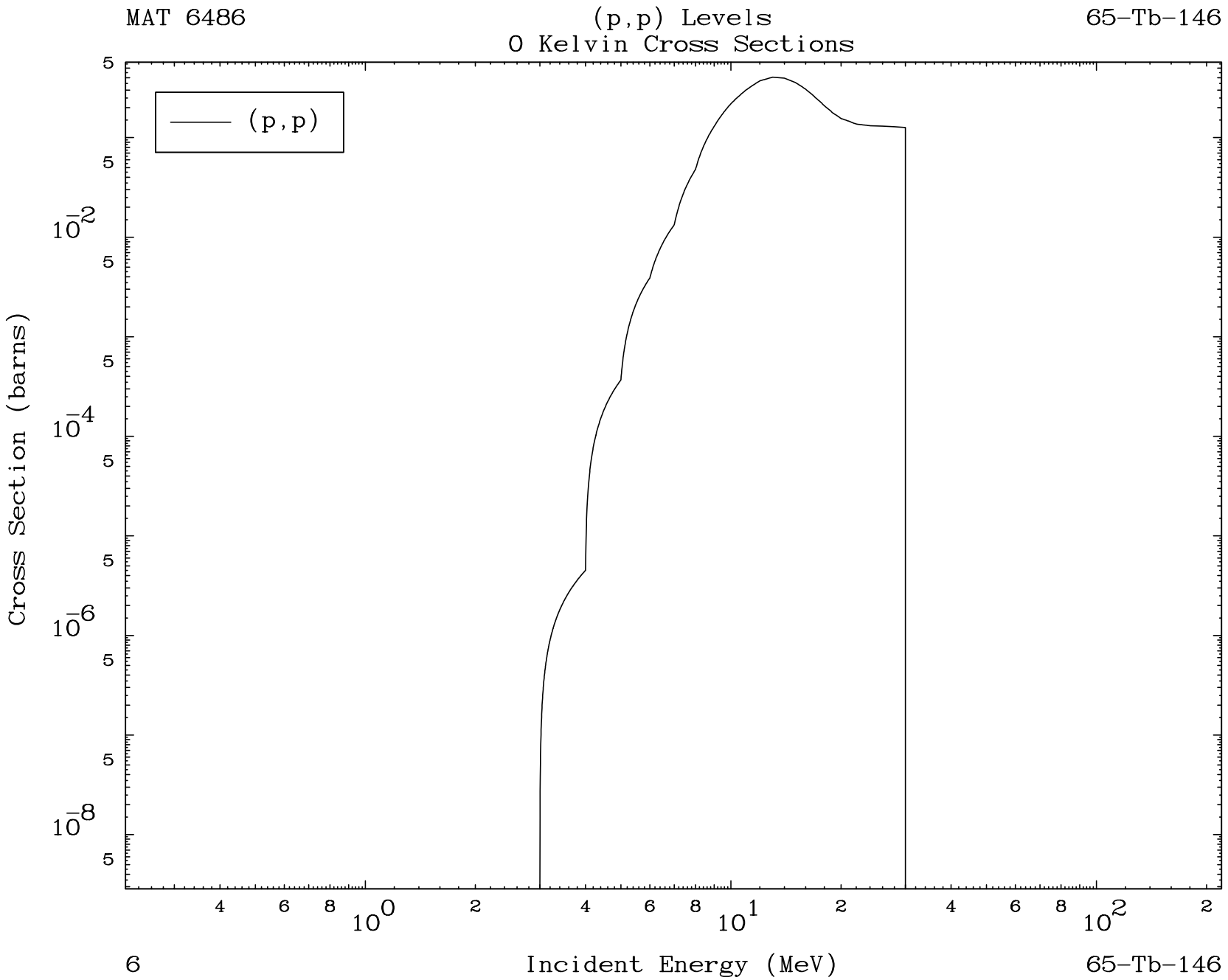

MAT 6486
Proton Major
65-Tb-146
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146
1

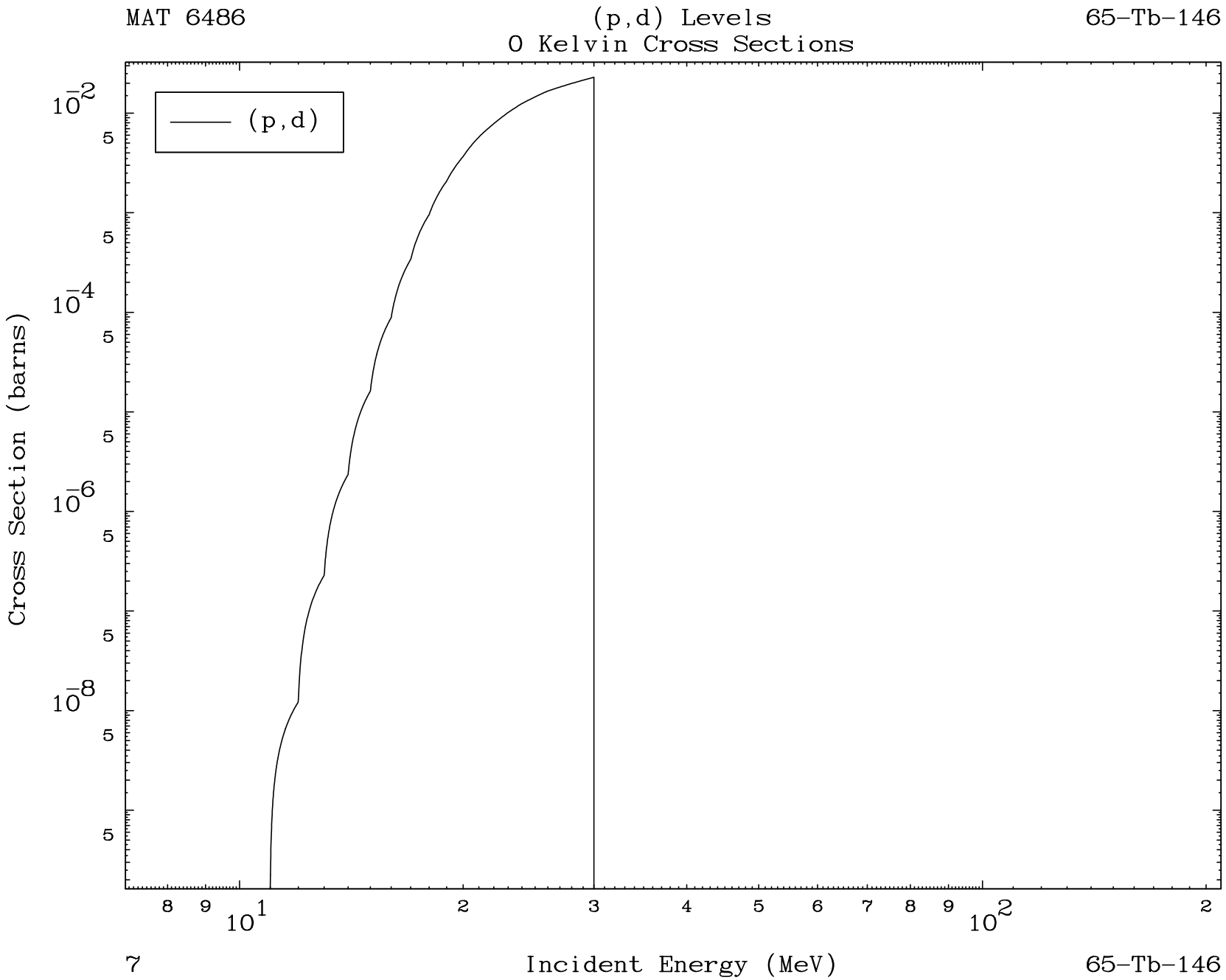

MAT 6486
Proton Neutron Production
0 Kelvin Cross Sections
65-Tb-146
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146

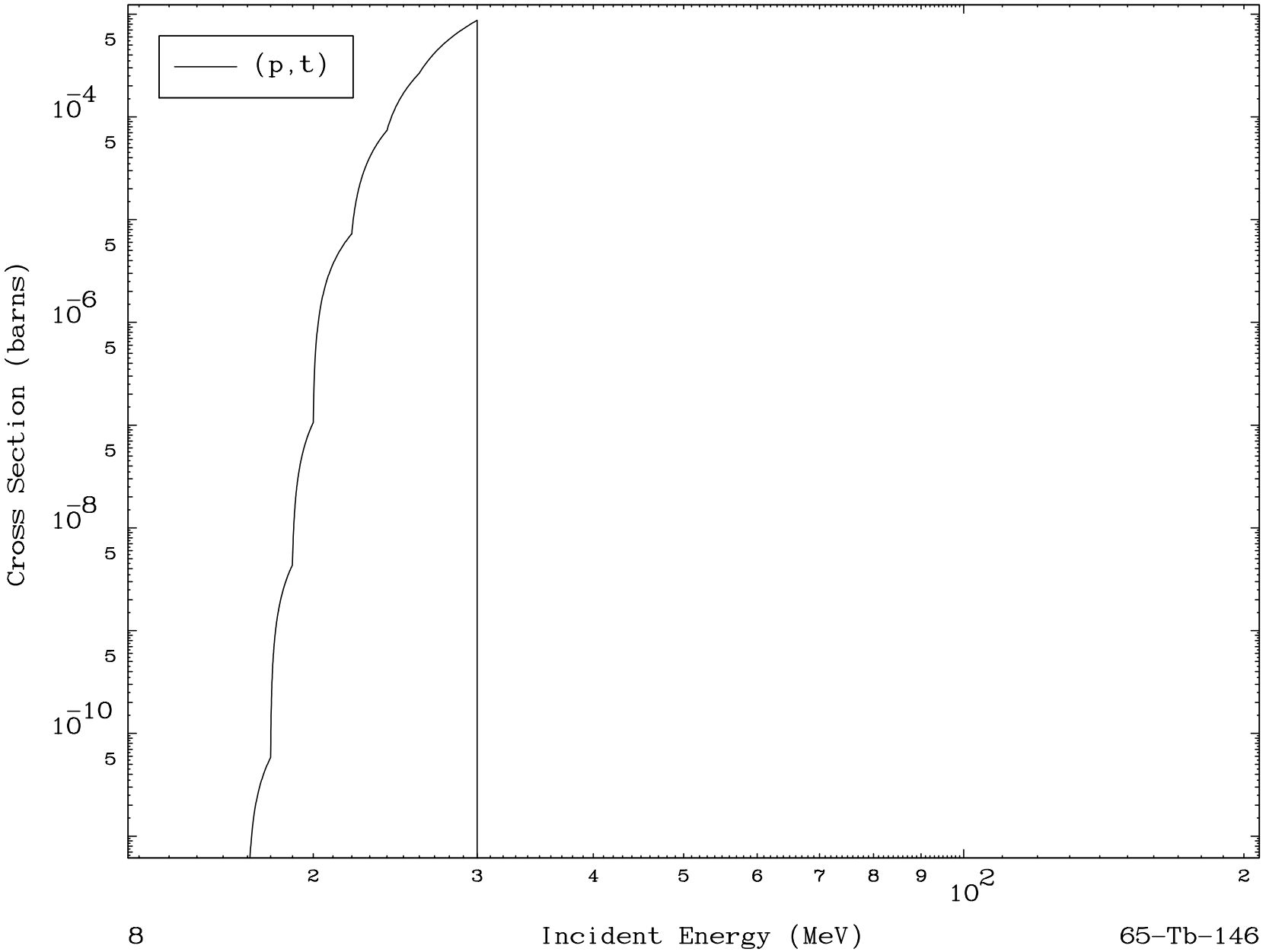

MAT 6486
Proton Charged Particle
0 Kelvin Cross Sections
65-Tb-146
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,p)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-146

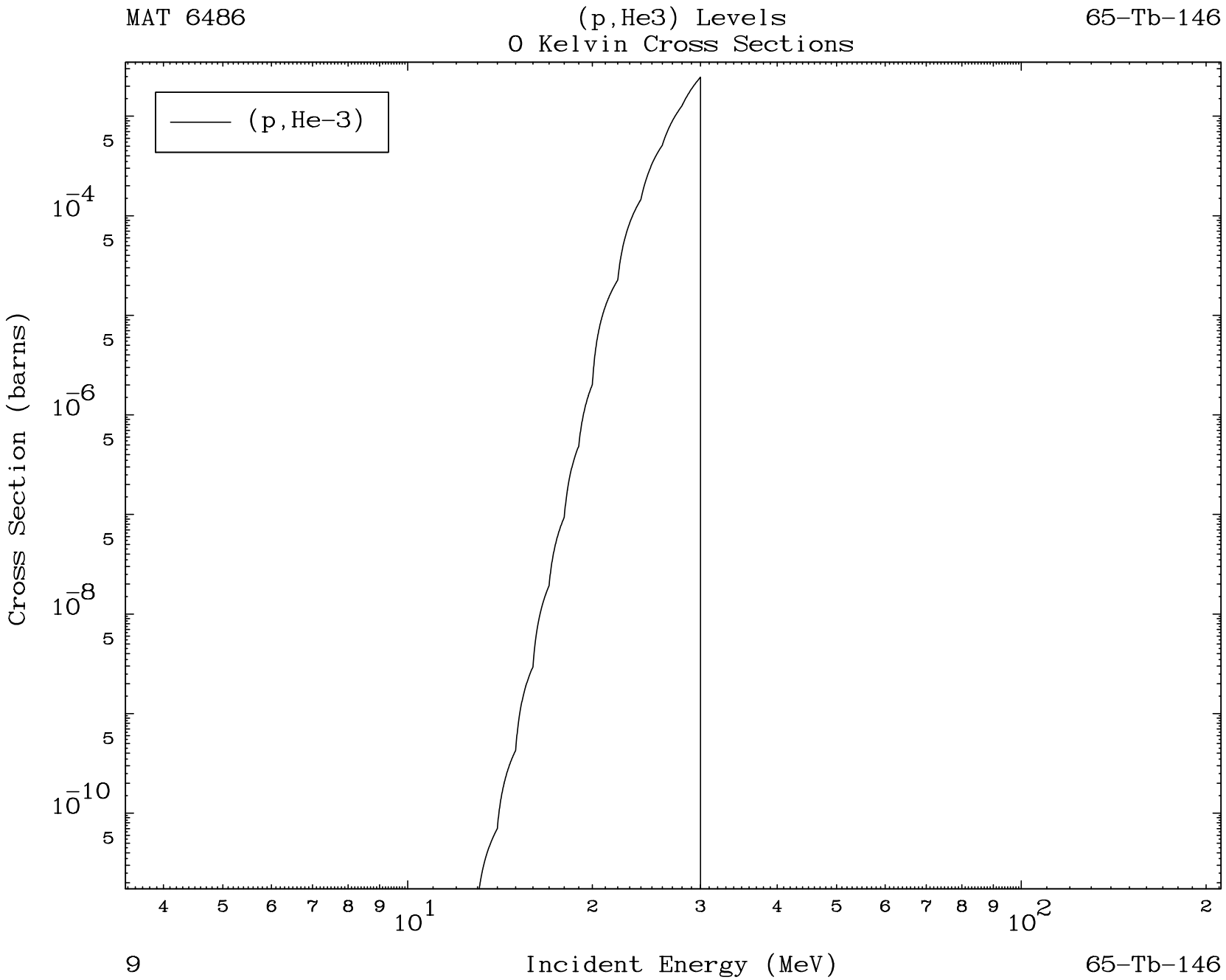

MAT 6486
Proton Charged Particle
0 Kelvin Cross Sections
65-Tb-146
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-146

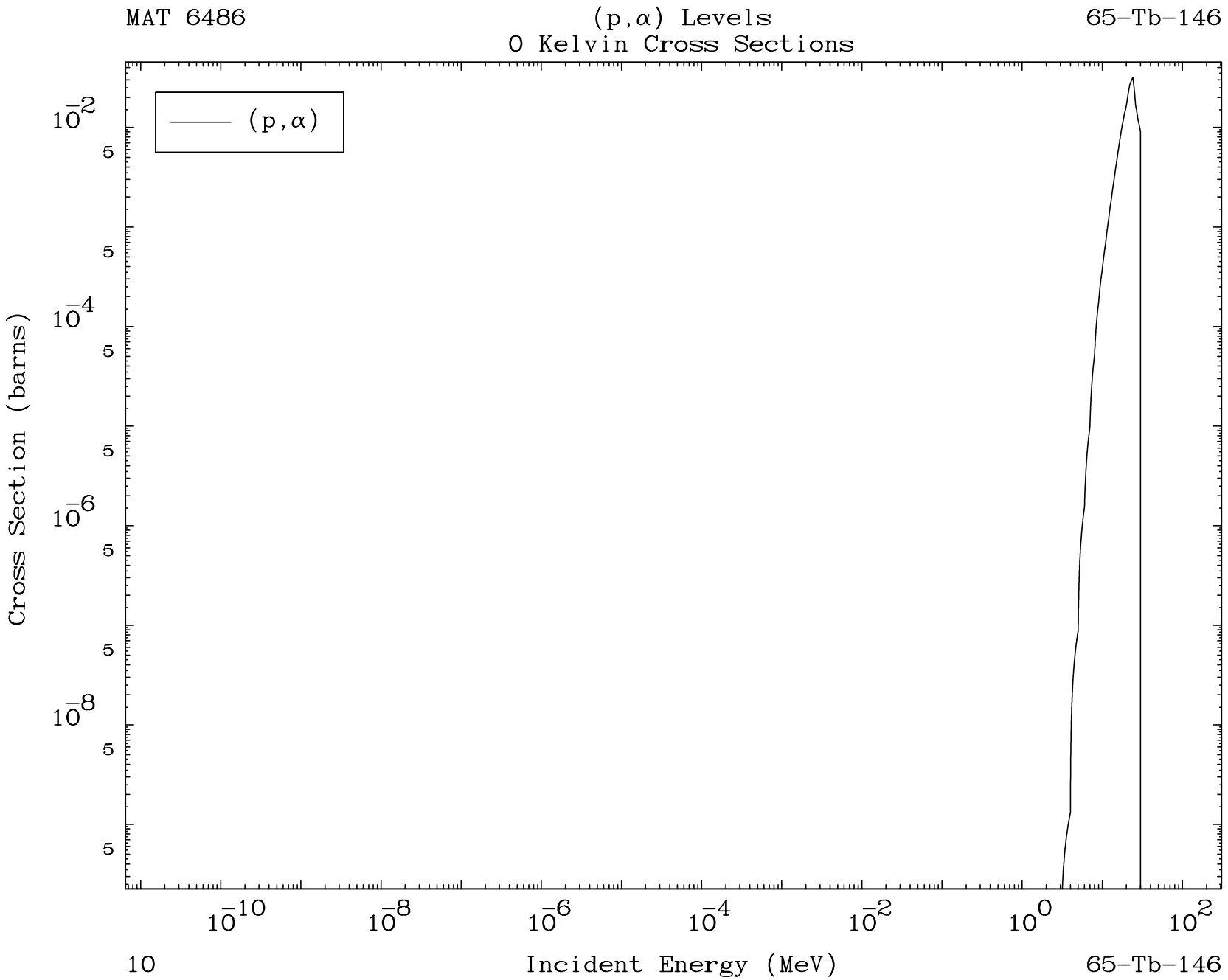

MAT 6486
(p,n') Level
65-Tb-146
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
65-Tb-146

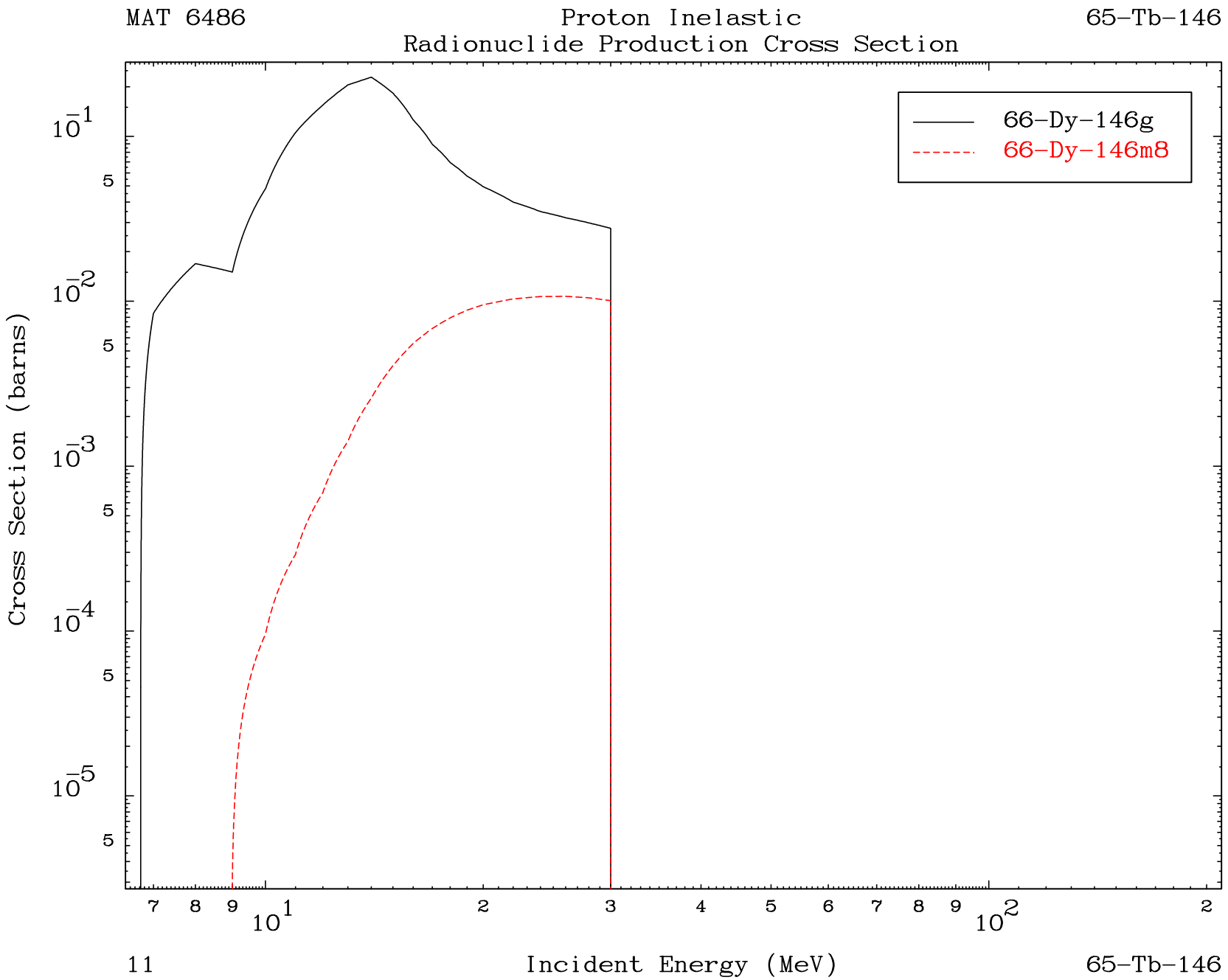

MAT 6486
(p,p) Levels
65-Tb-146
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
6
65-Tb-146

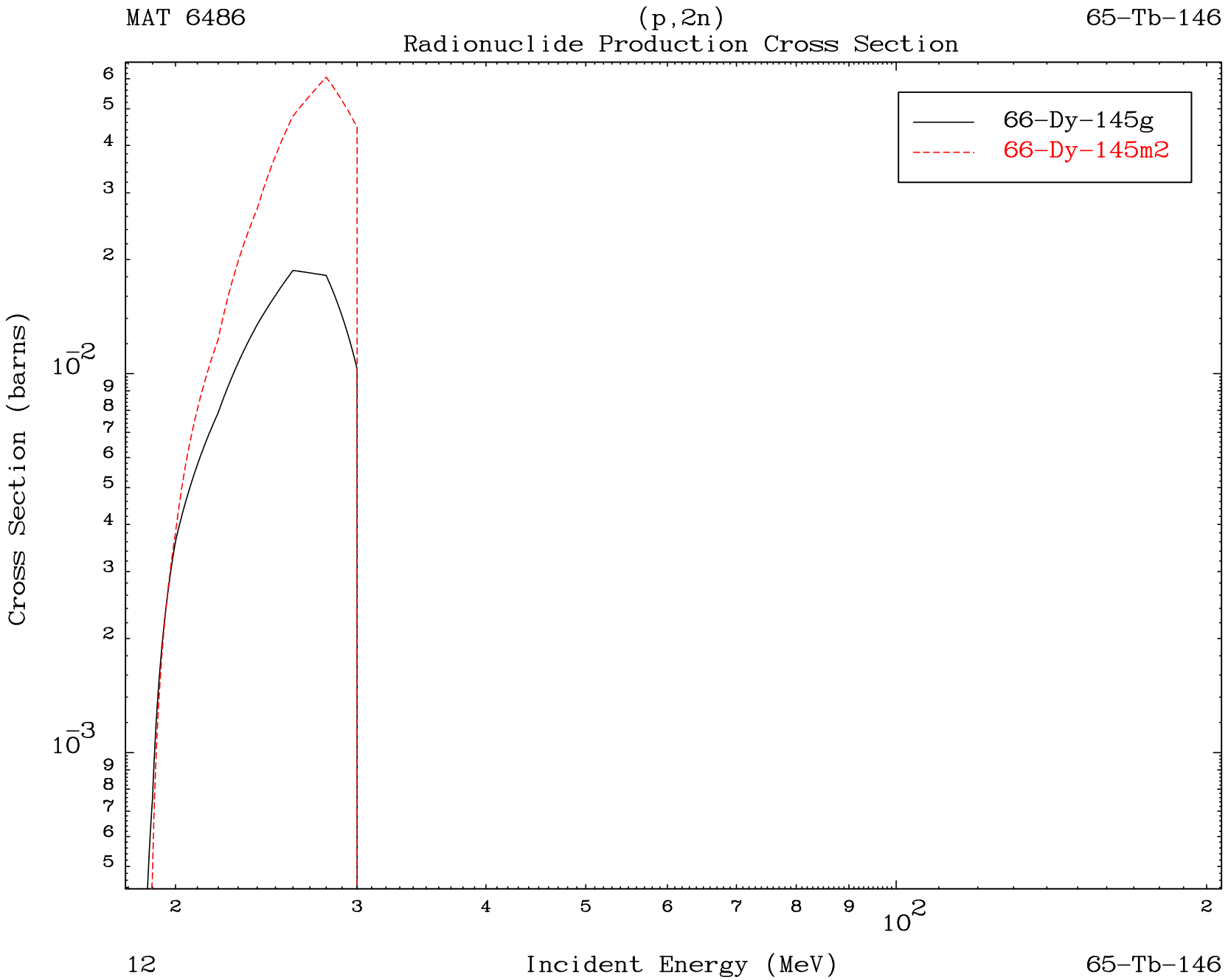

MAT 6486
(p,d) Levels
65-Tb-146
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
65-Tb-146

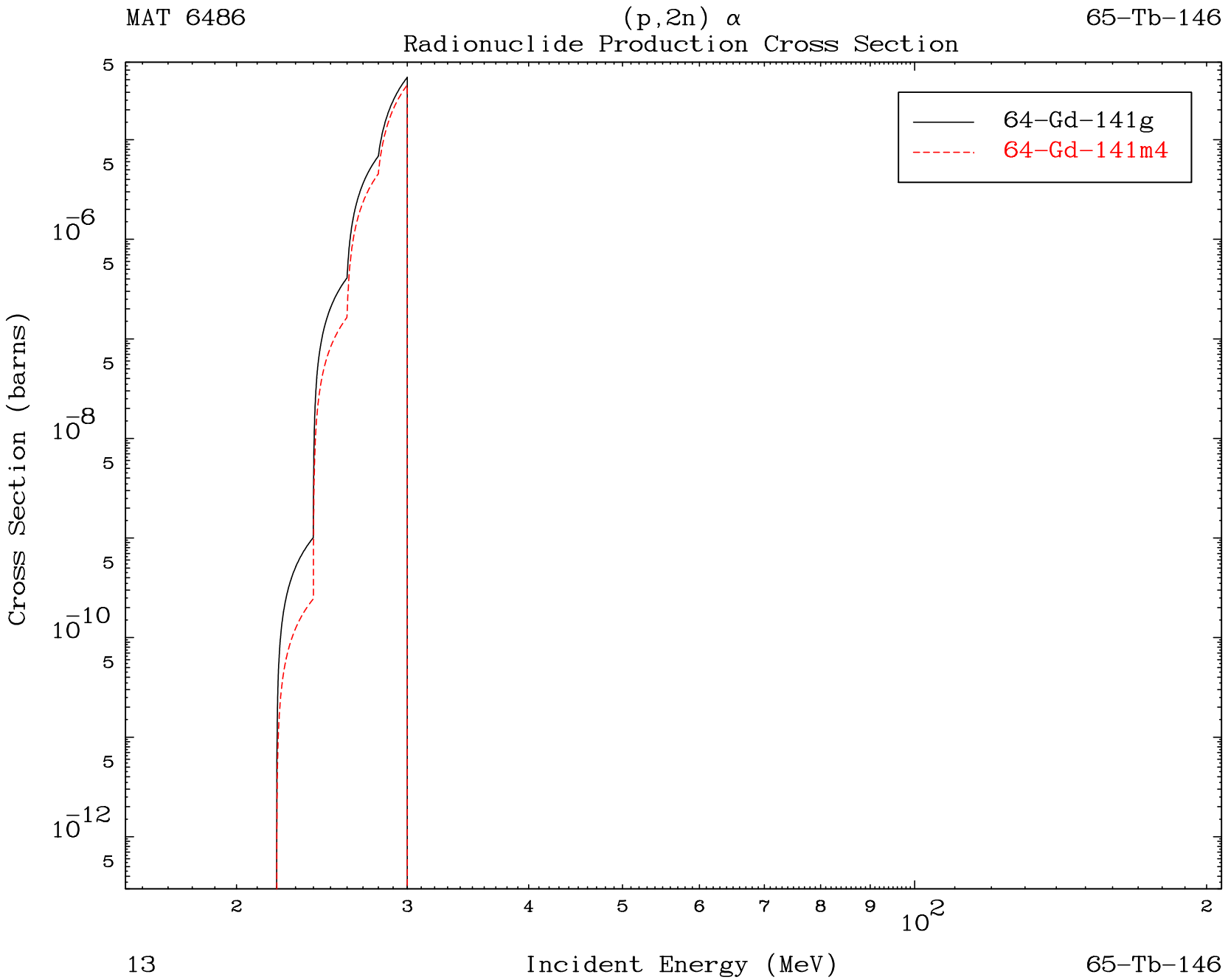

0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

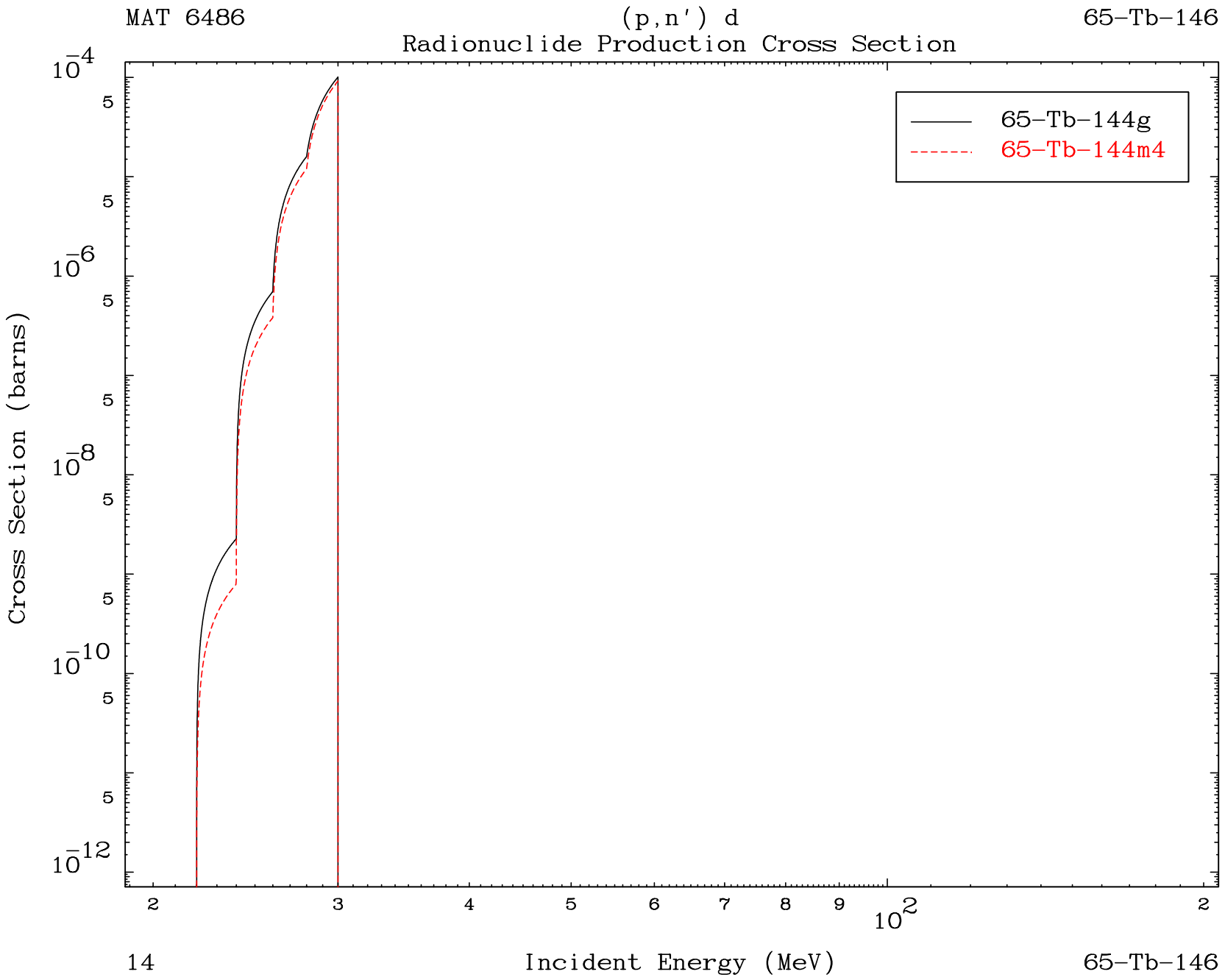

MAT 6486
(p,He3) Levels
65-Tb-146
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
9
65-Tb-146

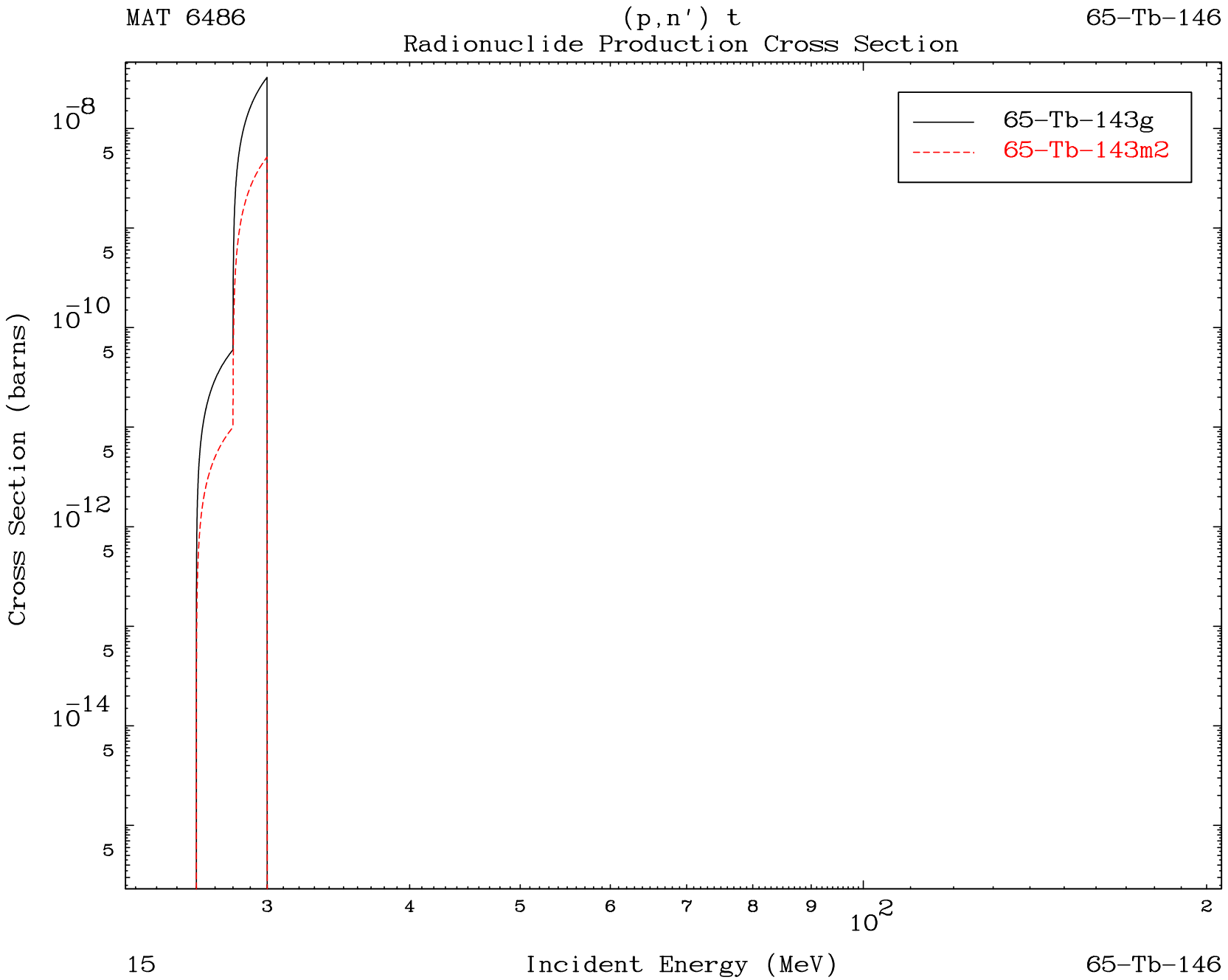

MAT 6486
(p,α) Levels
65-Tb-146
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-146
10

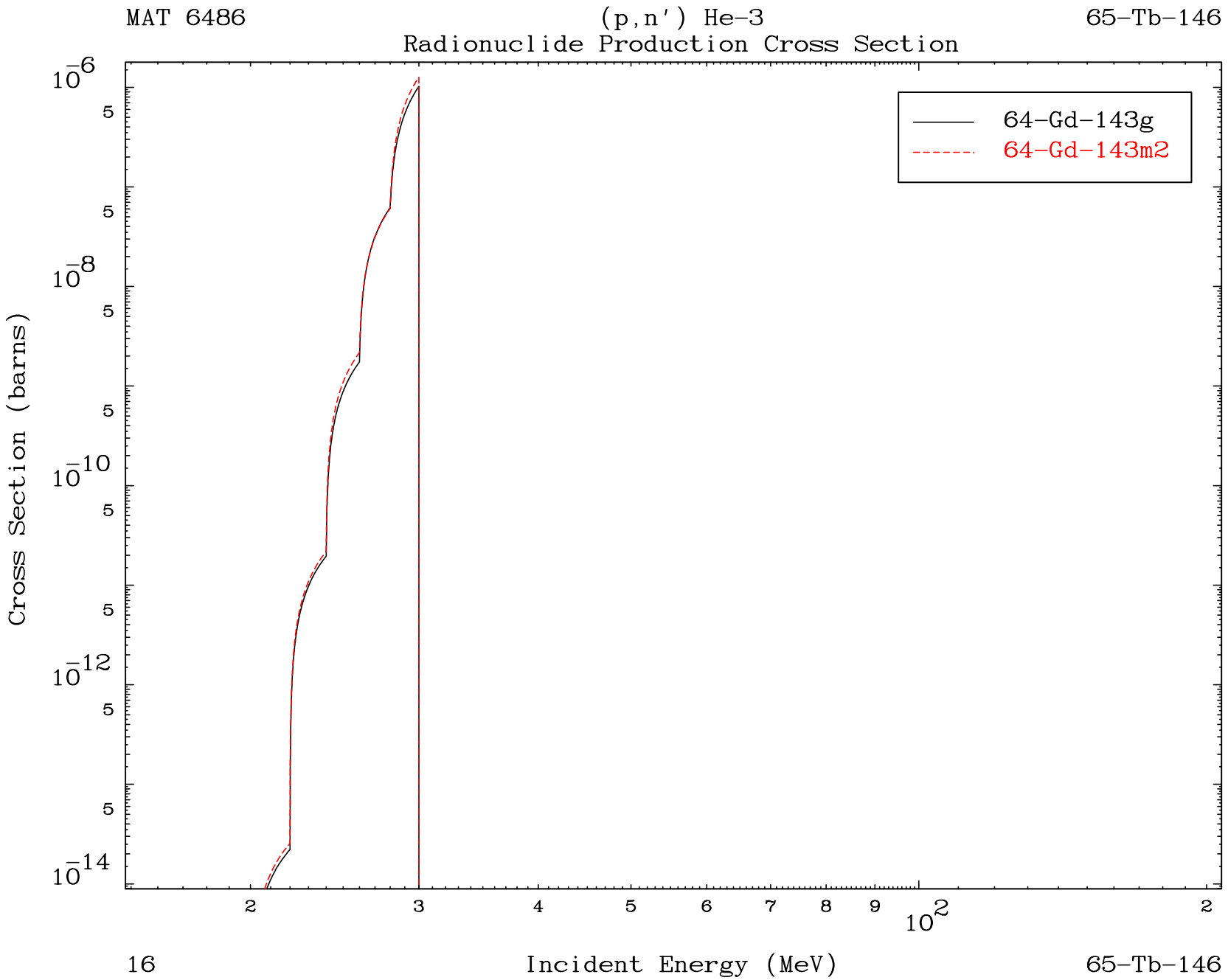

MAT 6486
Proton Inelastic
65-Tb-146
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m8
Cross Section (barns)
Incident Energy (MeV)
11
65-Tb-146

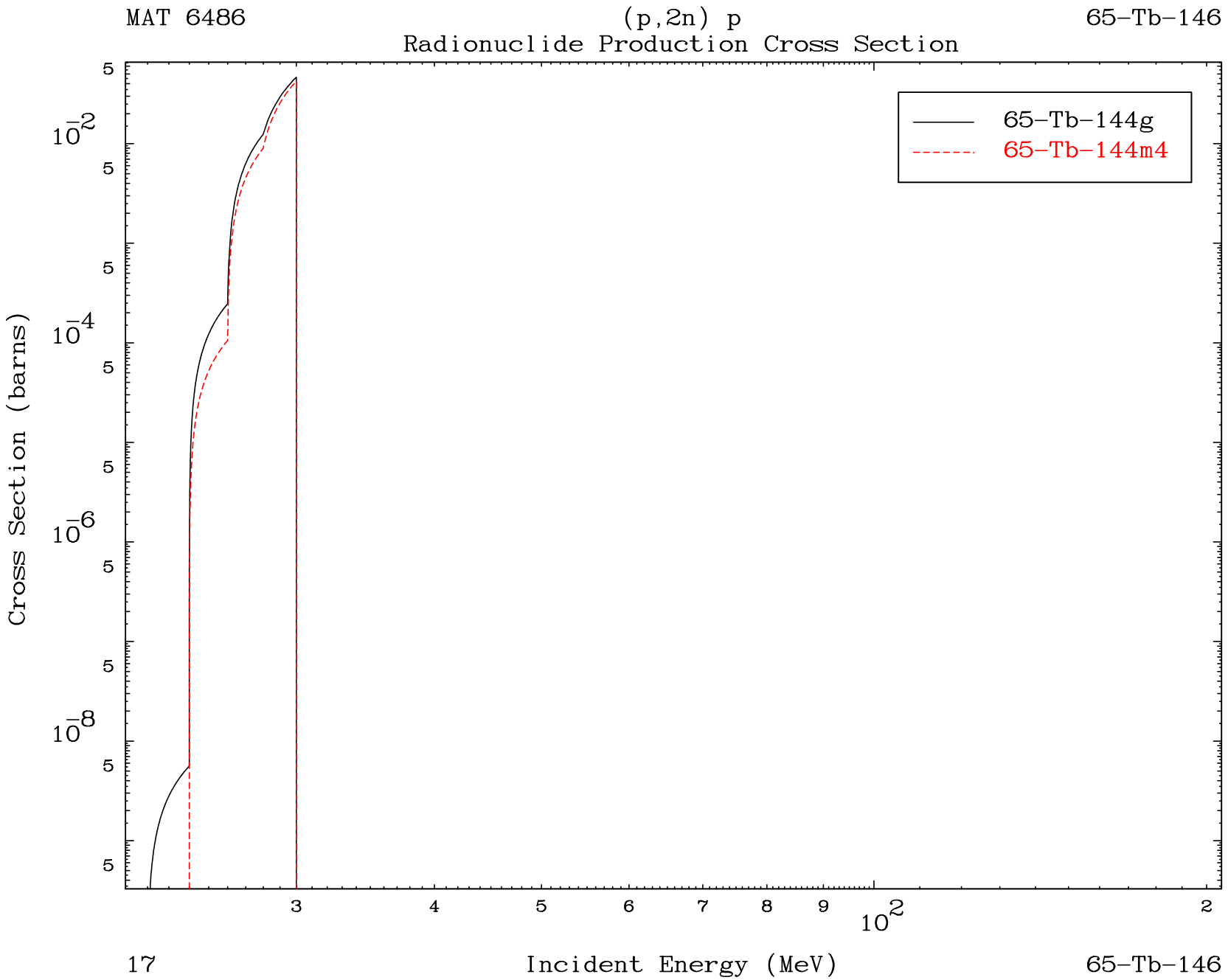

MAT 6486
(p,2n)
65-Tb-146
Radionuclide Production Cross Section
66-Dy-145g
66-Dy-145m2
Cross Section (barns)
Incident Energy (MeV)
12
65-Tb-146

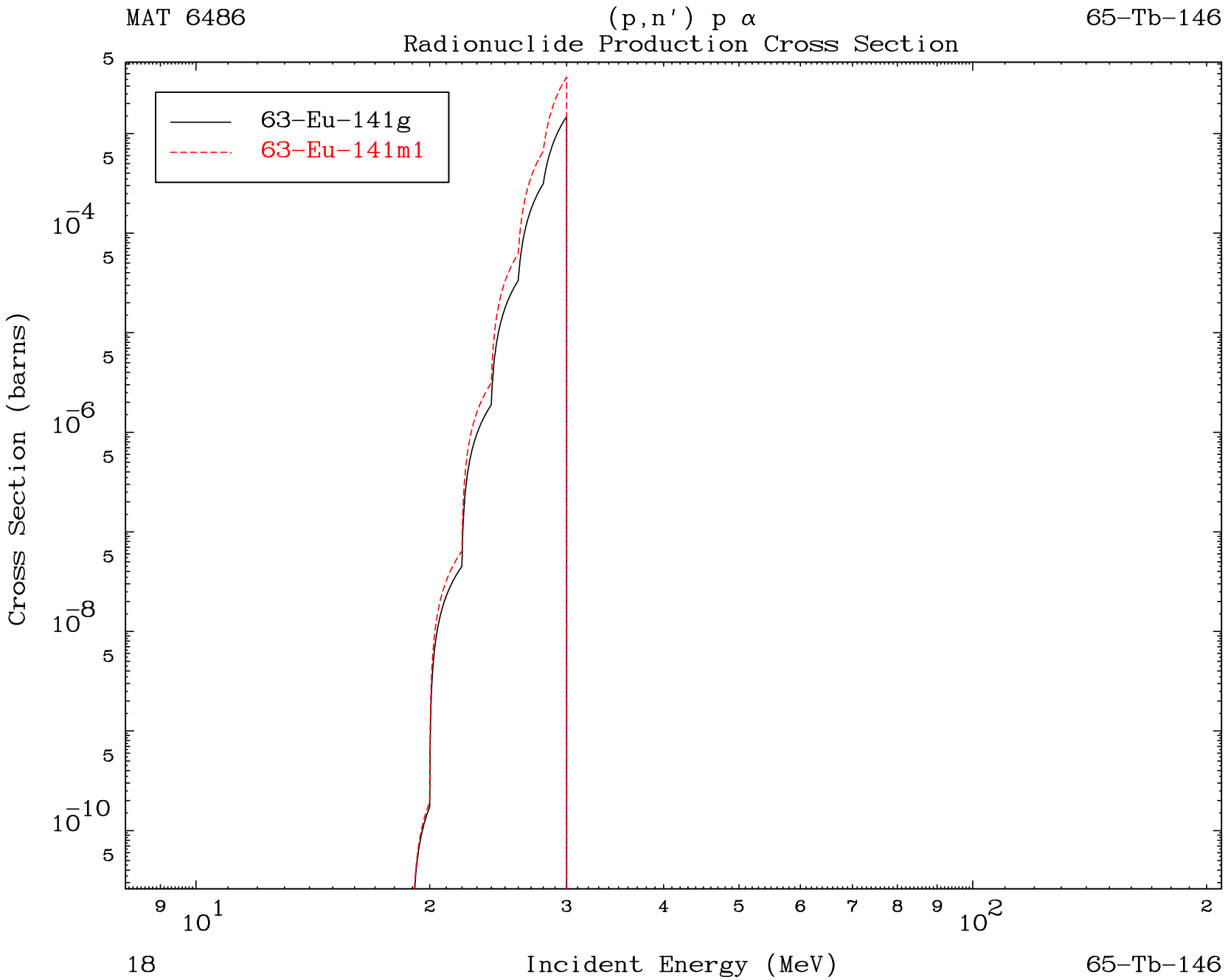

MAT 6486
(p,2n) α
65-Tb-146
Radionuclide Production Cross Section
64-Gd-141g
64-Gd-141m4
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
65-Tb-146

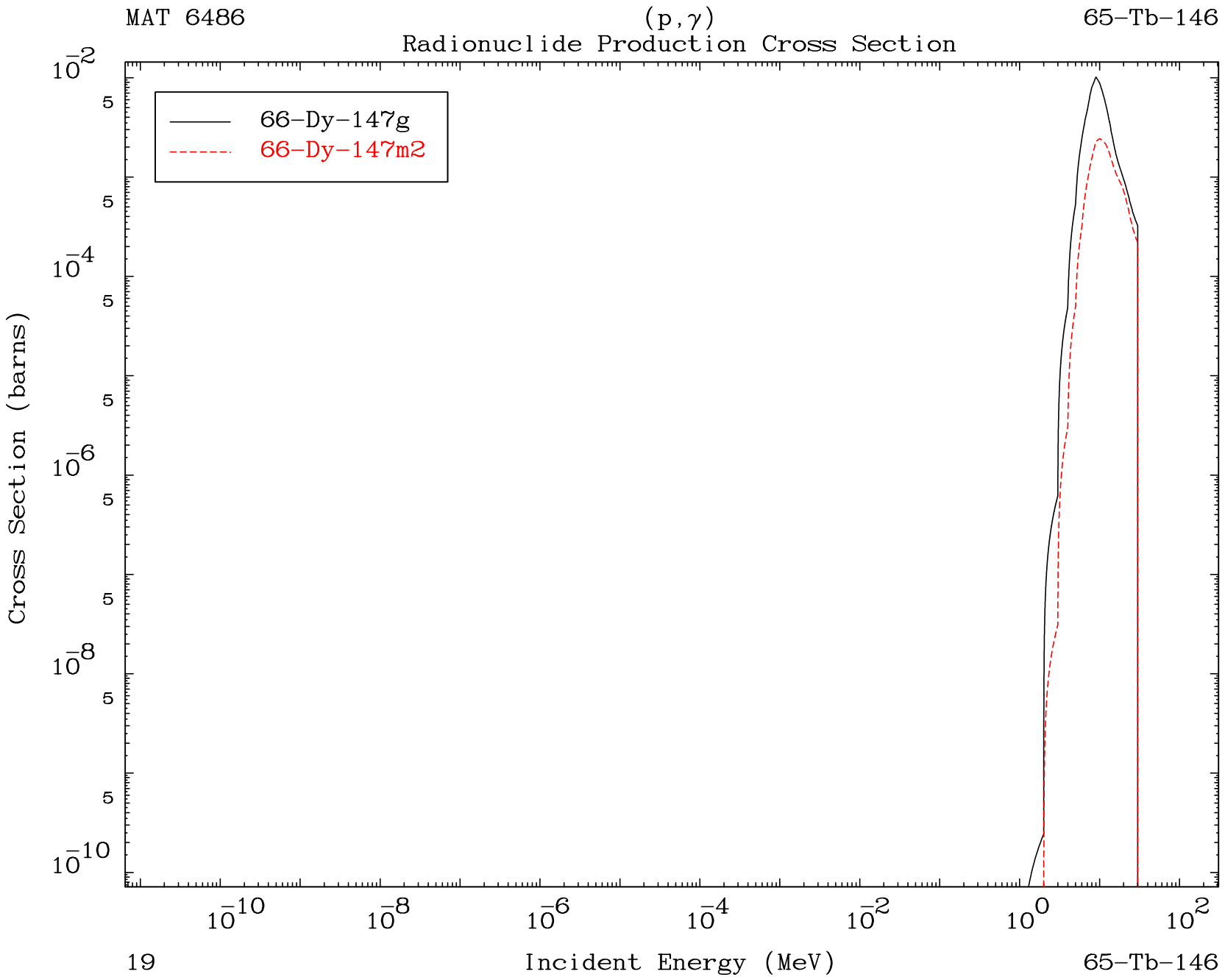

MAT 6486
(p,n') d
65-Tb-146
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
Incident Energy (MeV)
14
65-Tb-146

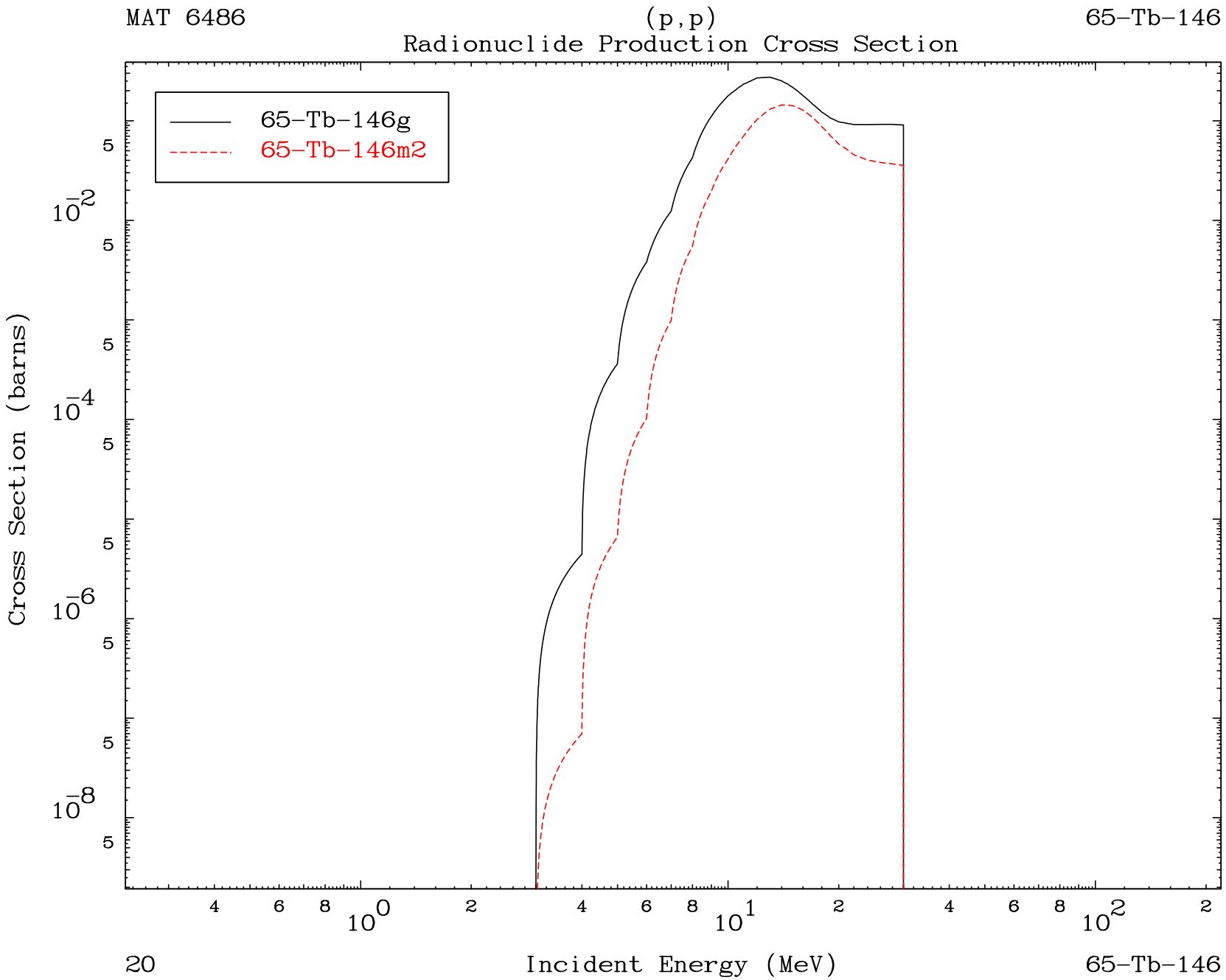

MAT 6486
(p,n') t
65-Tb-146
Radionuclide Production Cross Section
65-Tb-143g
65-Tb-143m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
65-Tb-146

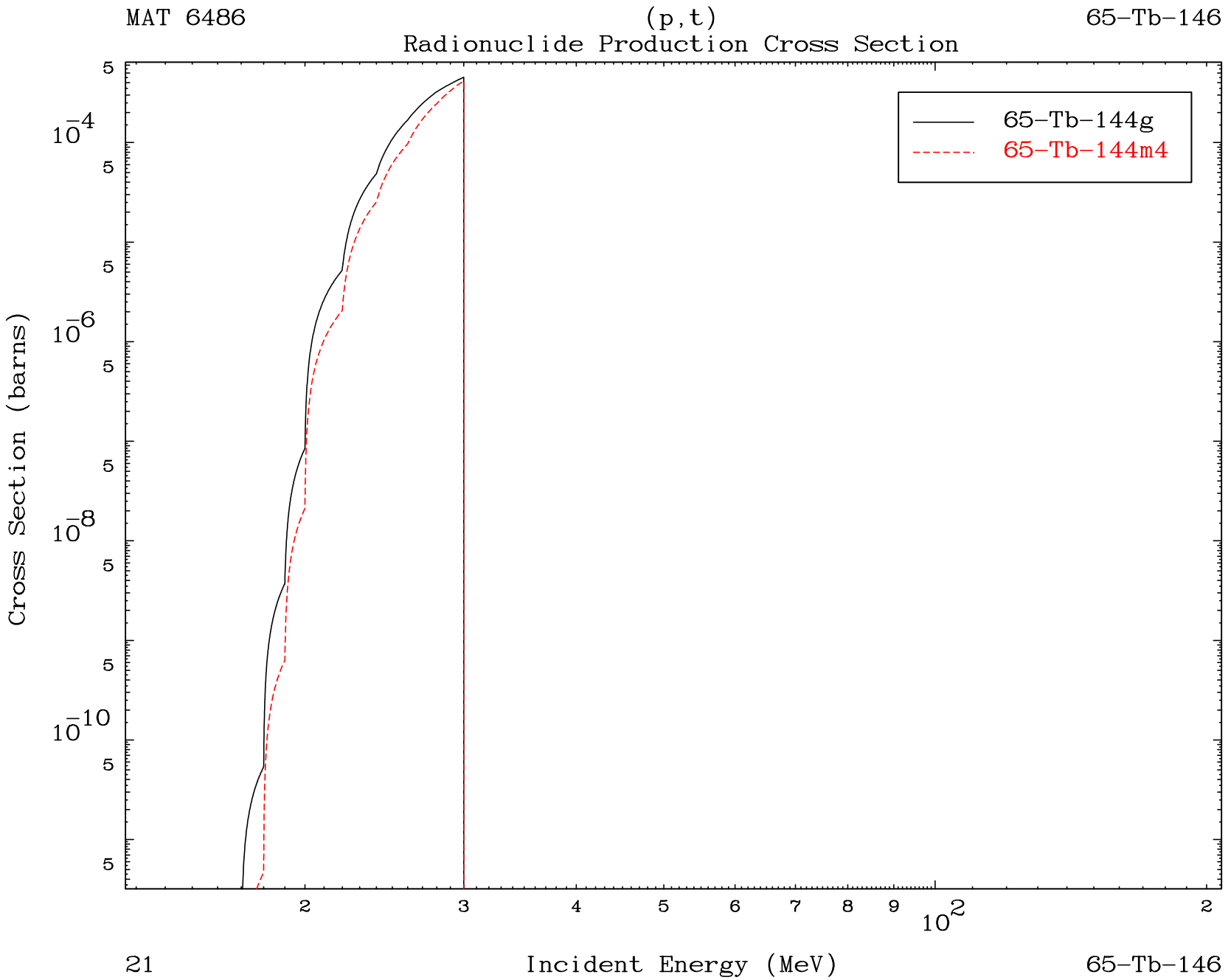

MAT 6486
(p,n') He-3
65-Tb-146
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-146

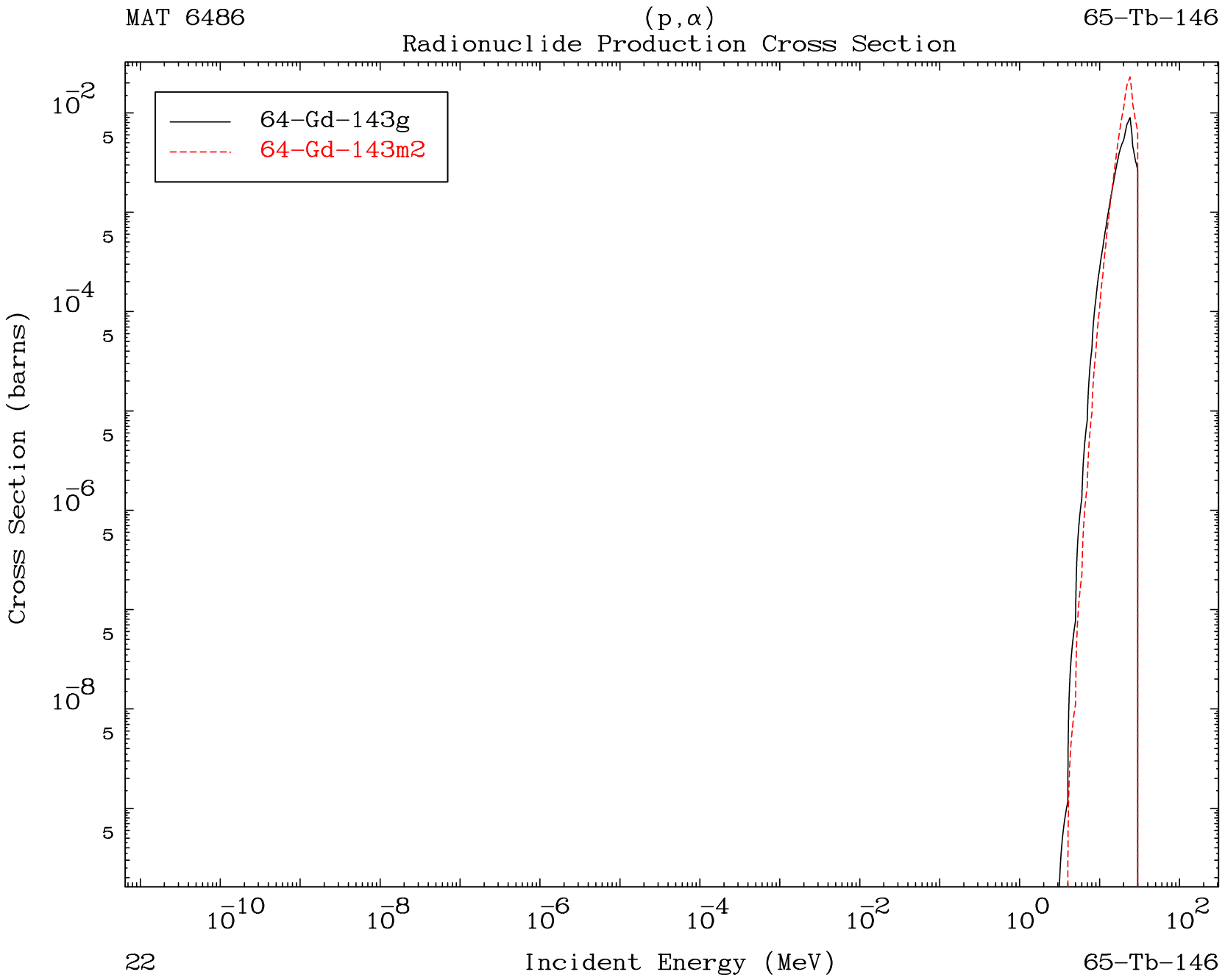

MAT 6486
(p,2n) p
65-Tb-146
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
10-2
10-4
10-6
10-8
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
65-Tb-146

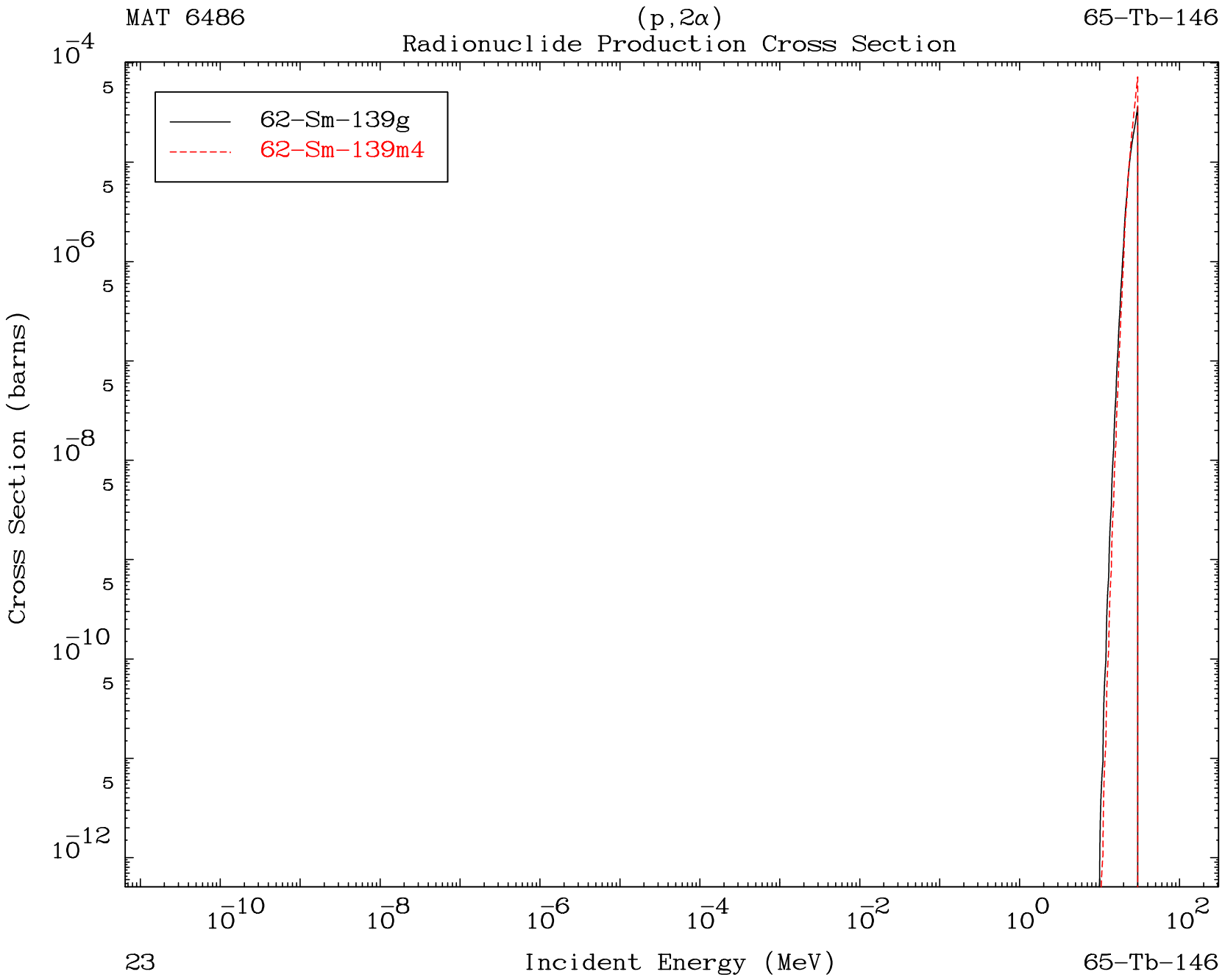

MAT 6486
(p,n') p α
65-Tb-146
Radionuclide Production Cross Section
63-Eu-141g
63-Eu-141m1
Cross Section (barns)
Incident Energy (MeV)
18
65-Tb-146

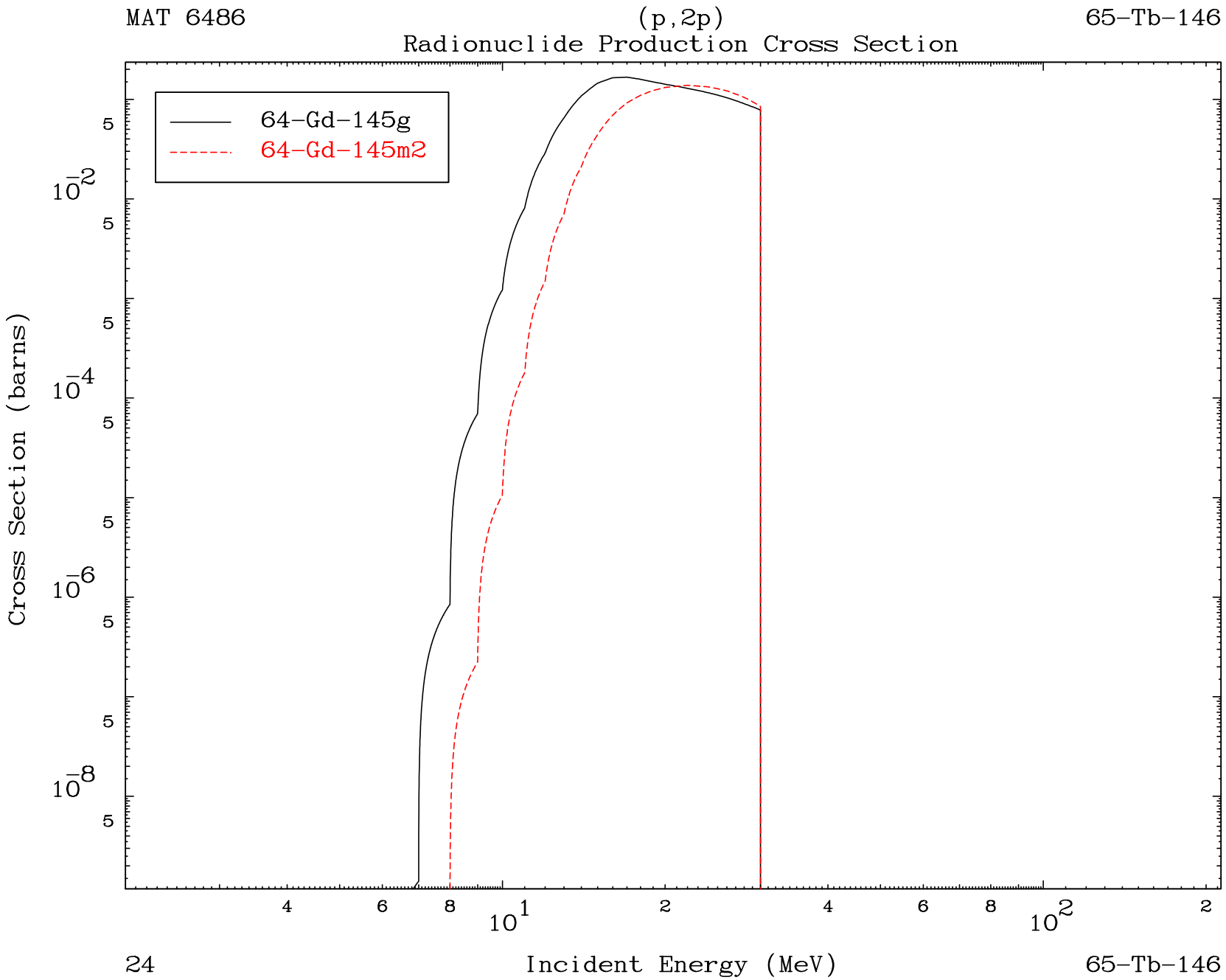

MAT 6486
(p,γ)
65-Tb-146
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
19
65-Tb-146

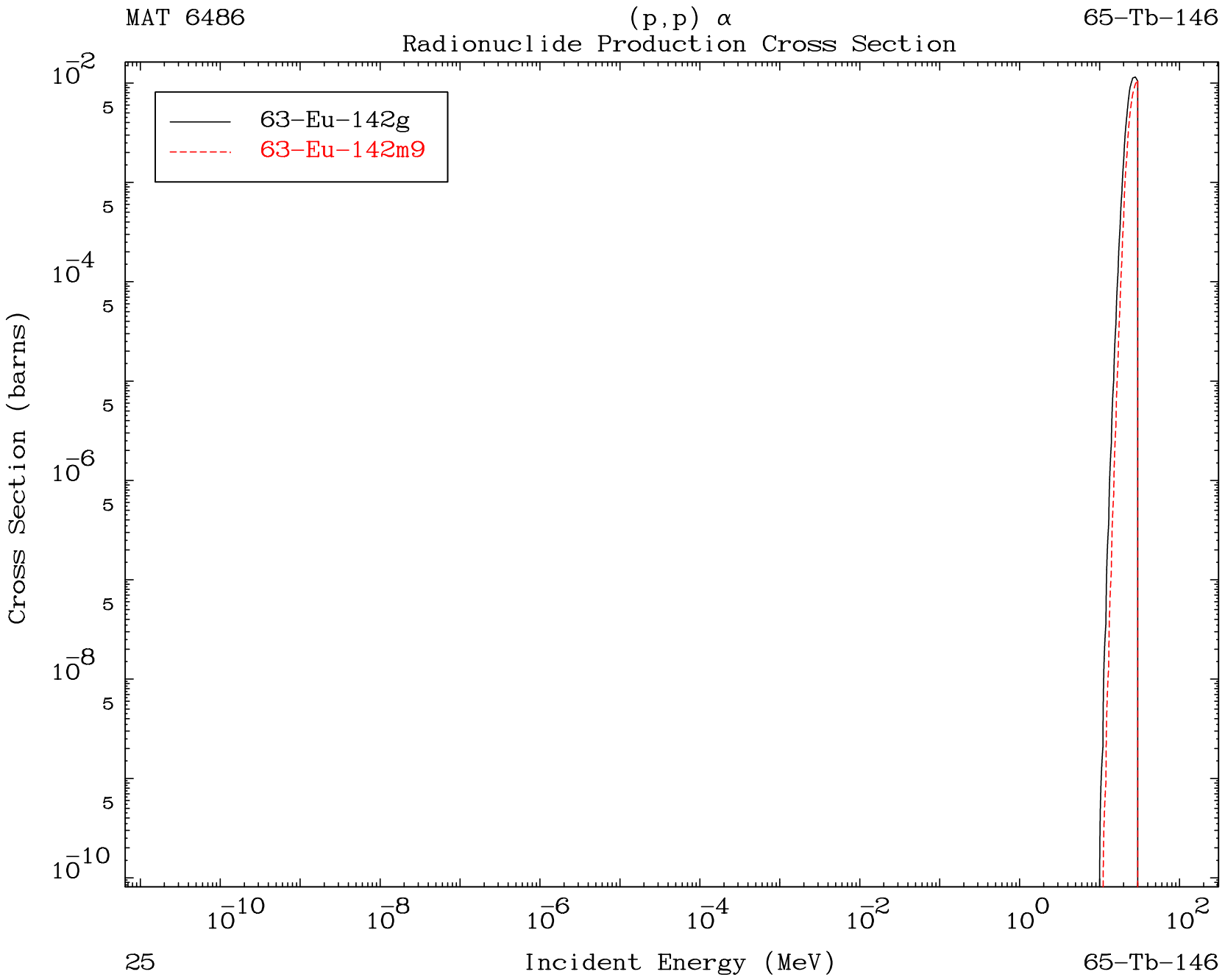

MAT 6486
(p,p)
65-Tb-146
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
20
65-Tb-146

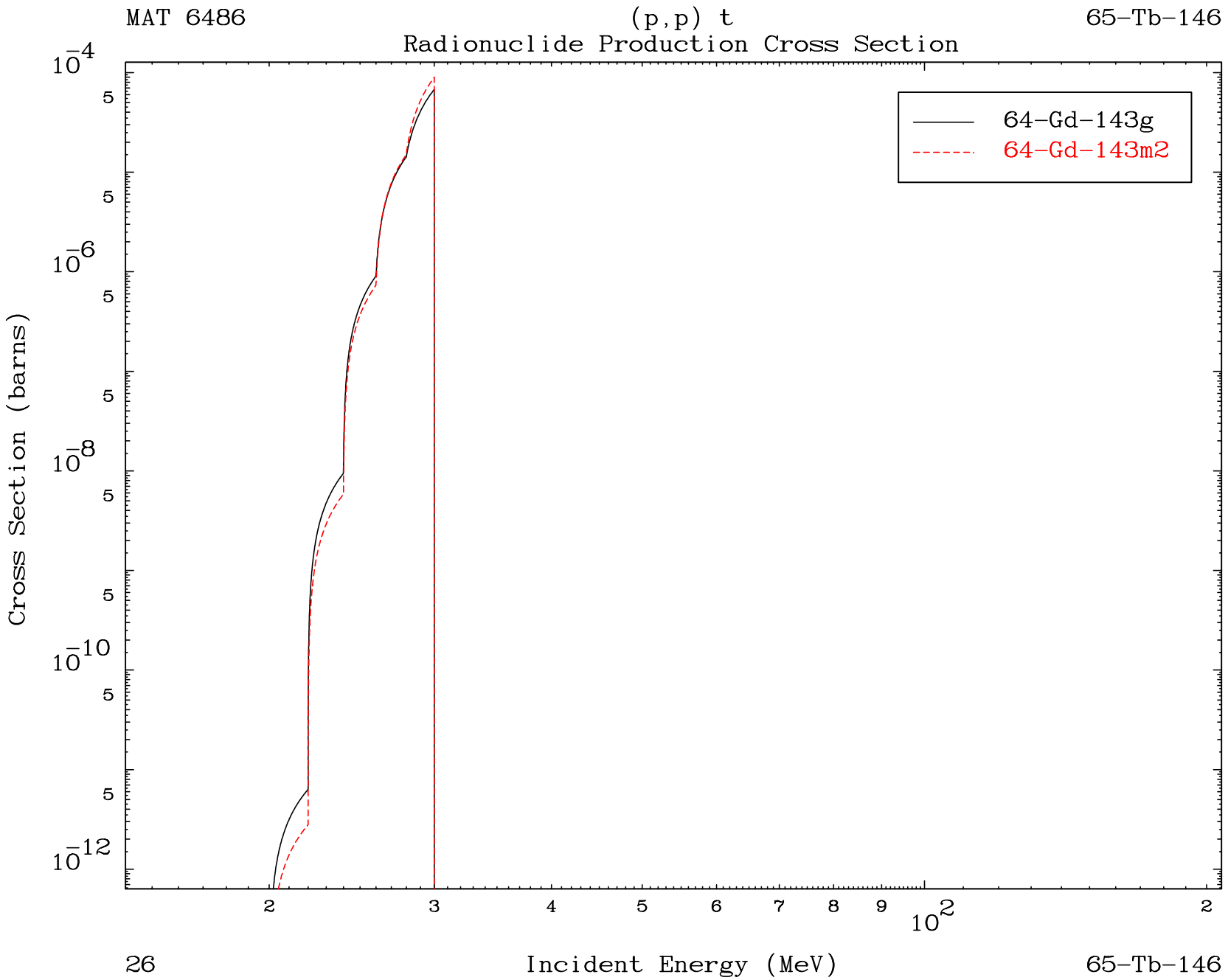

MAT 6486
(p,t)
65-Tb-146
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
65-Tb-146

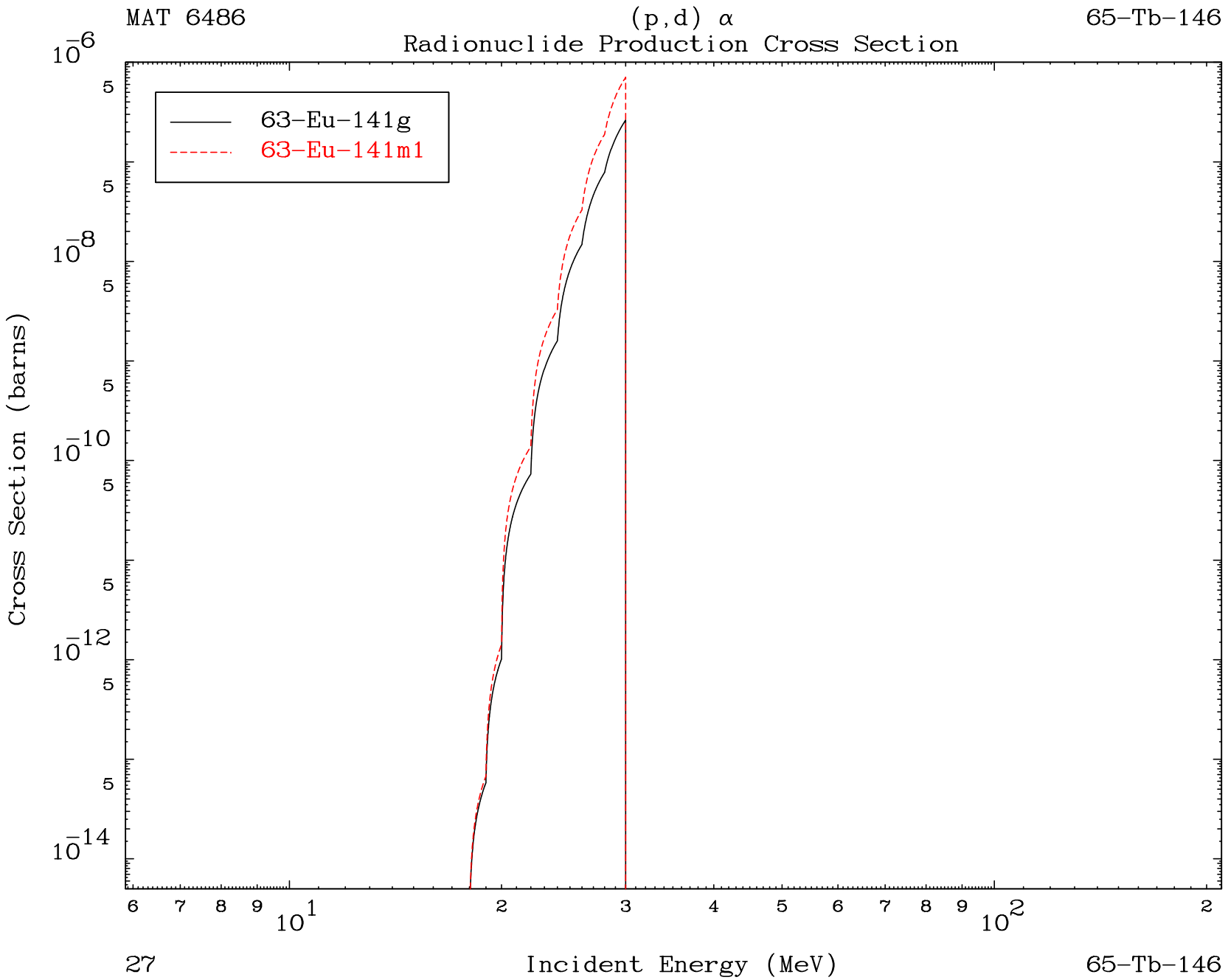

MAT 6486
(p,α)
65-Tb-146
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
22
65-Tb-146


MAT 6486
(p,2α)
65-Tb-146
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
Incident Energy (MeV)
23
65-Tb-146


MAT 6486
(p,2p)
65-Tb-146
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
24
Incident Energy (MeV)
65-Tb-146


MAT 6486
(p,p) α
65-Tb-146
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
Incident Energy (MeV)
25
65-Tb-146


MAT 6486
(p,p) t
65-Tb-146
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
26
65-Tb-146


MAT 6486
(p,d) α
65-Tb-146
Radionuclide Production Cross Section
63-Eu-141g
63-Eu-141m1
Cross Section (barns)
Incident Energy (MeV)
27
65-Tb-146