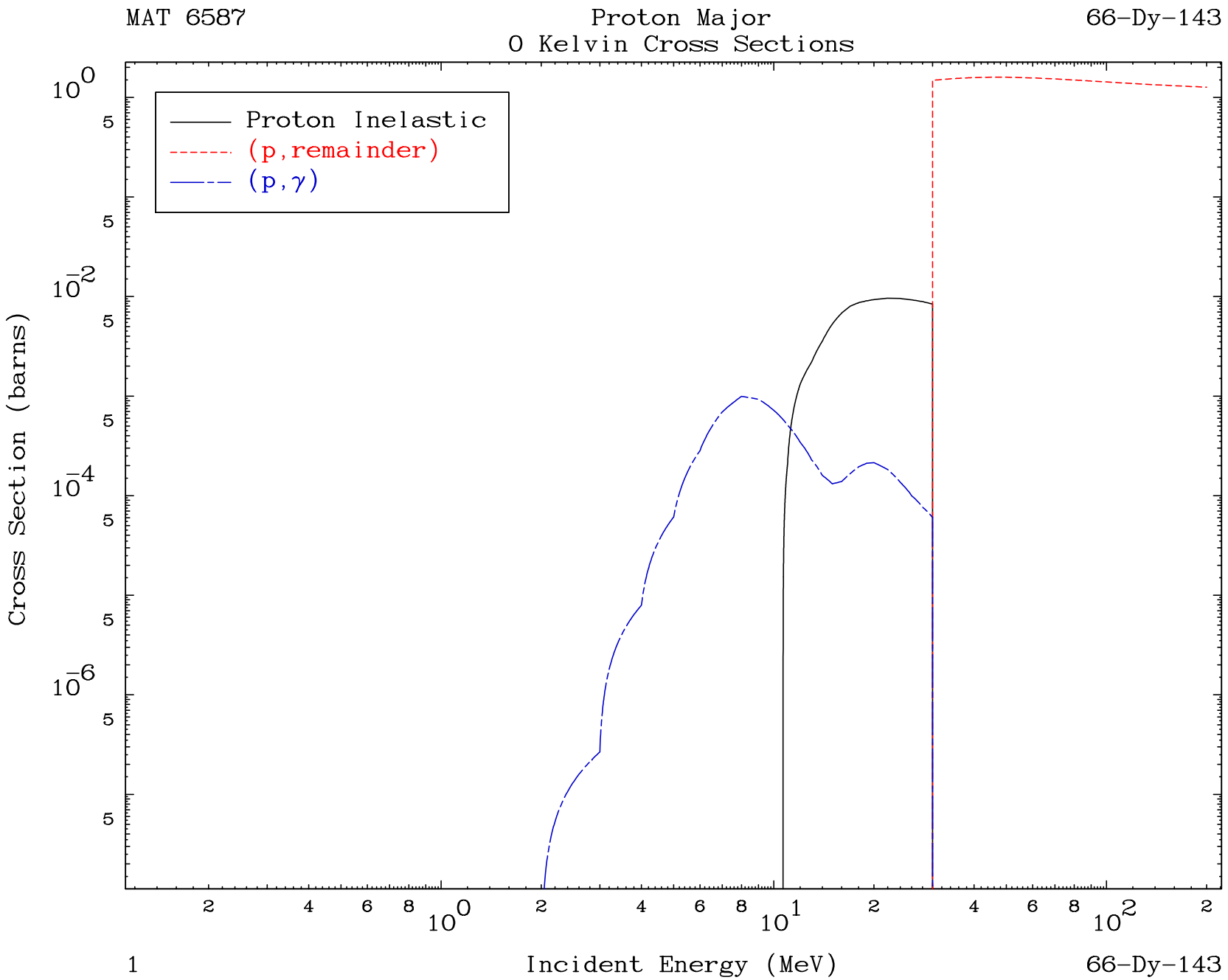
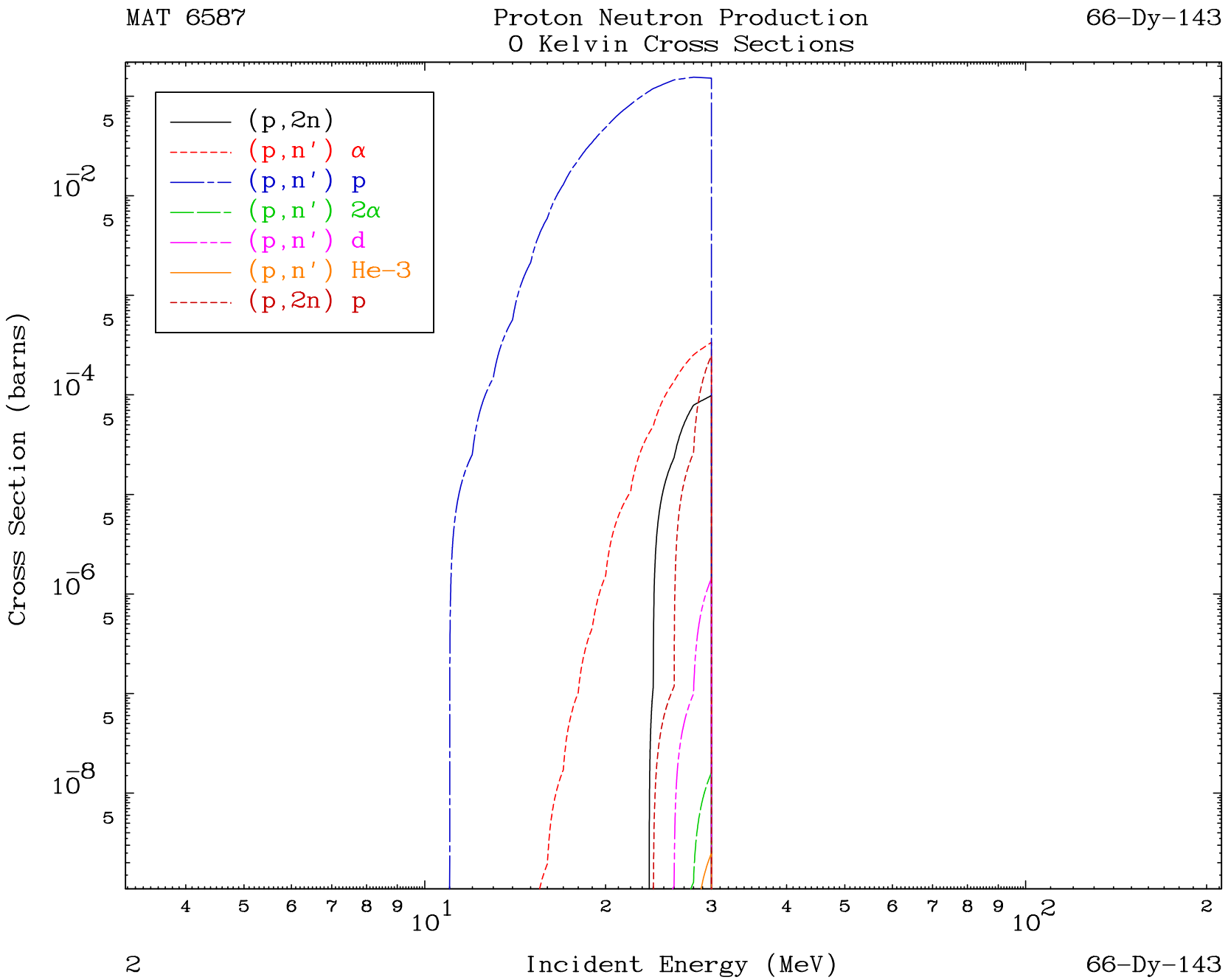
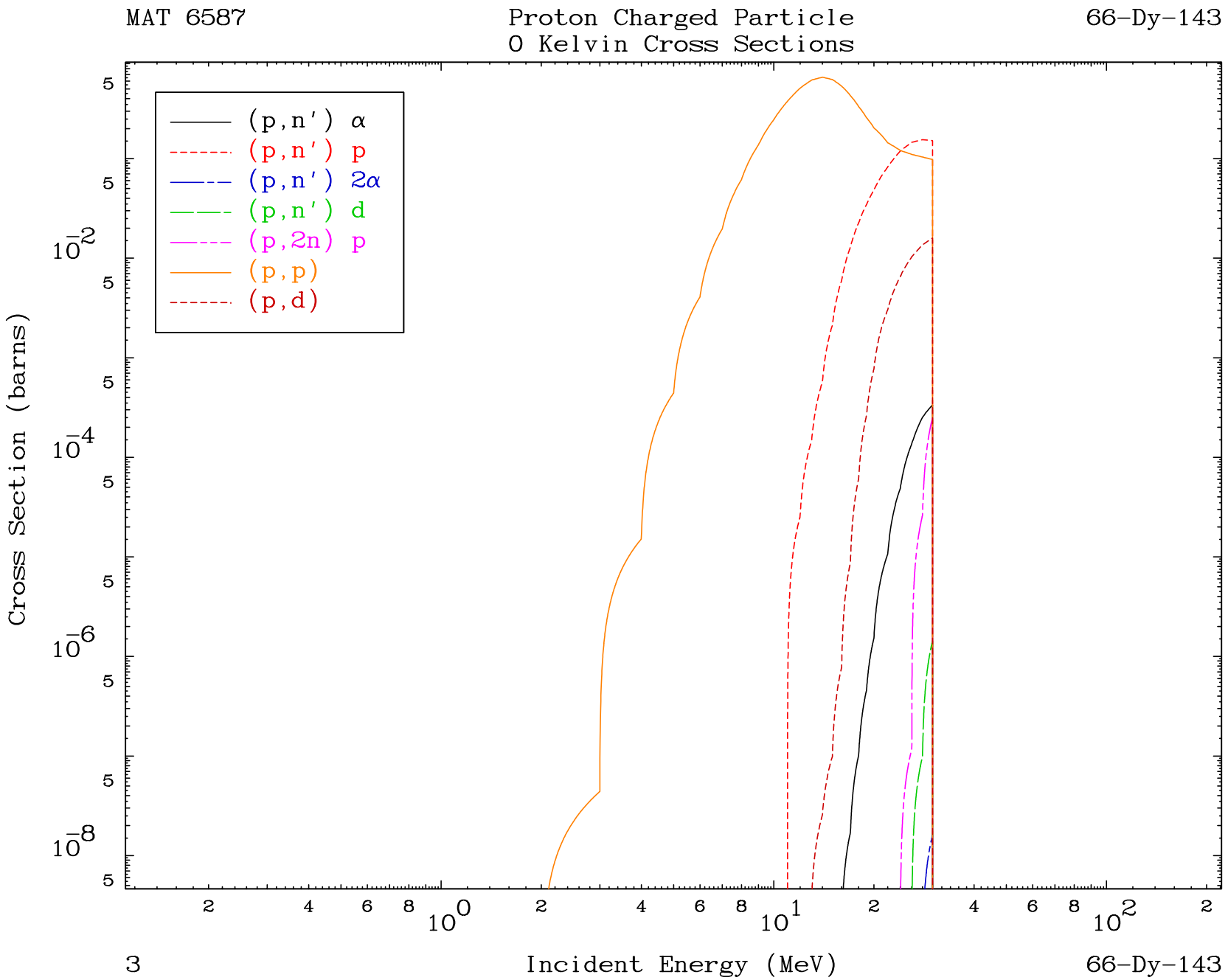
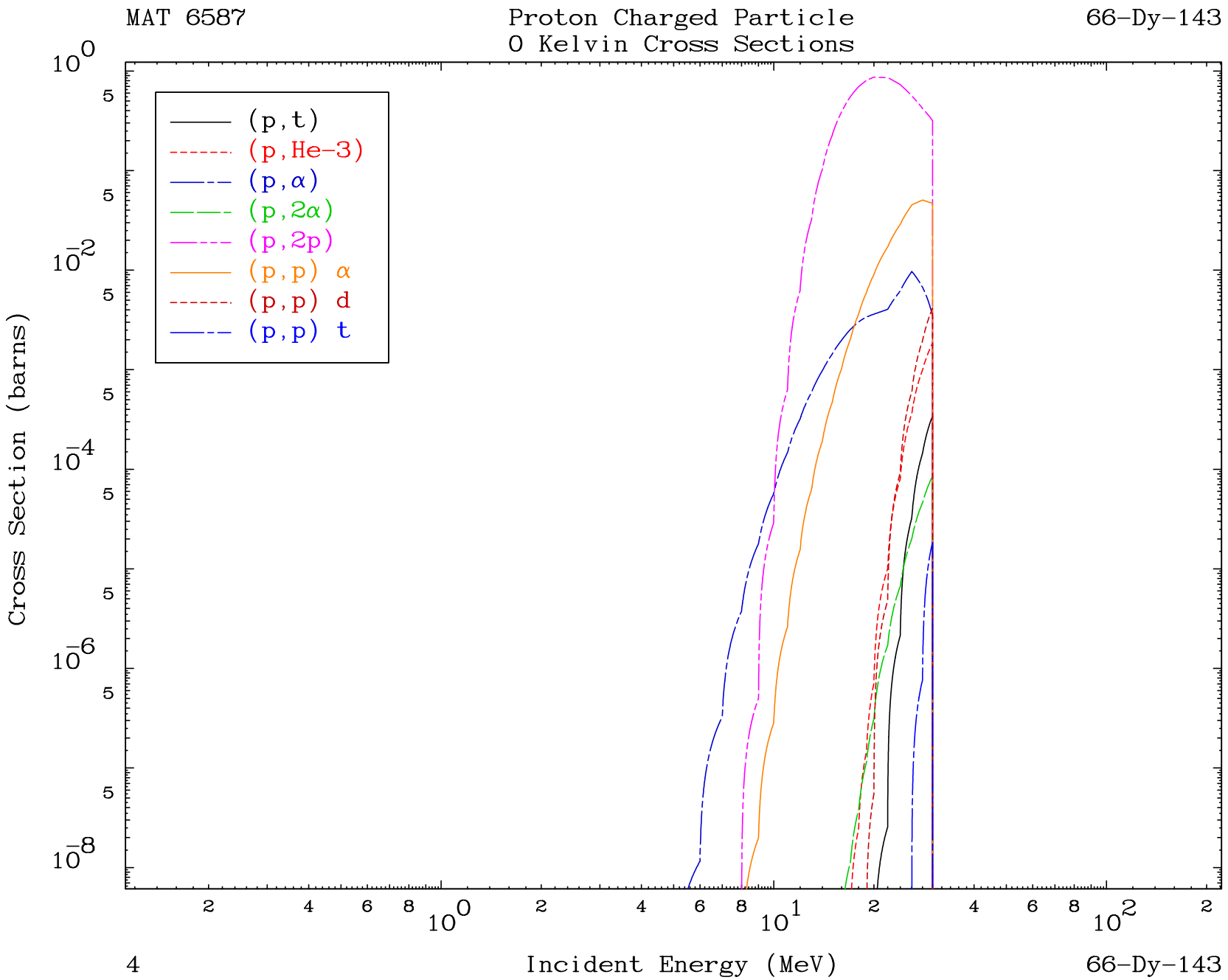
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

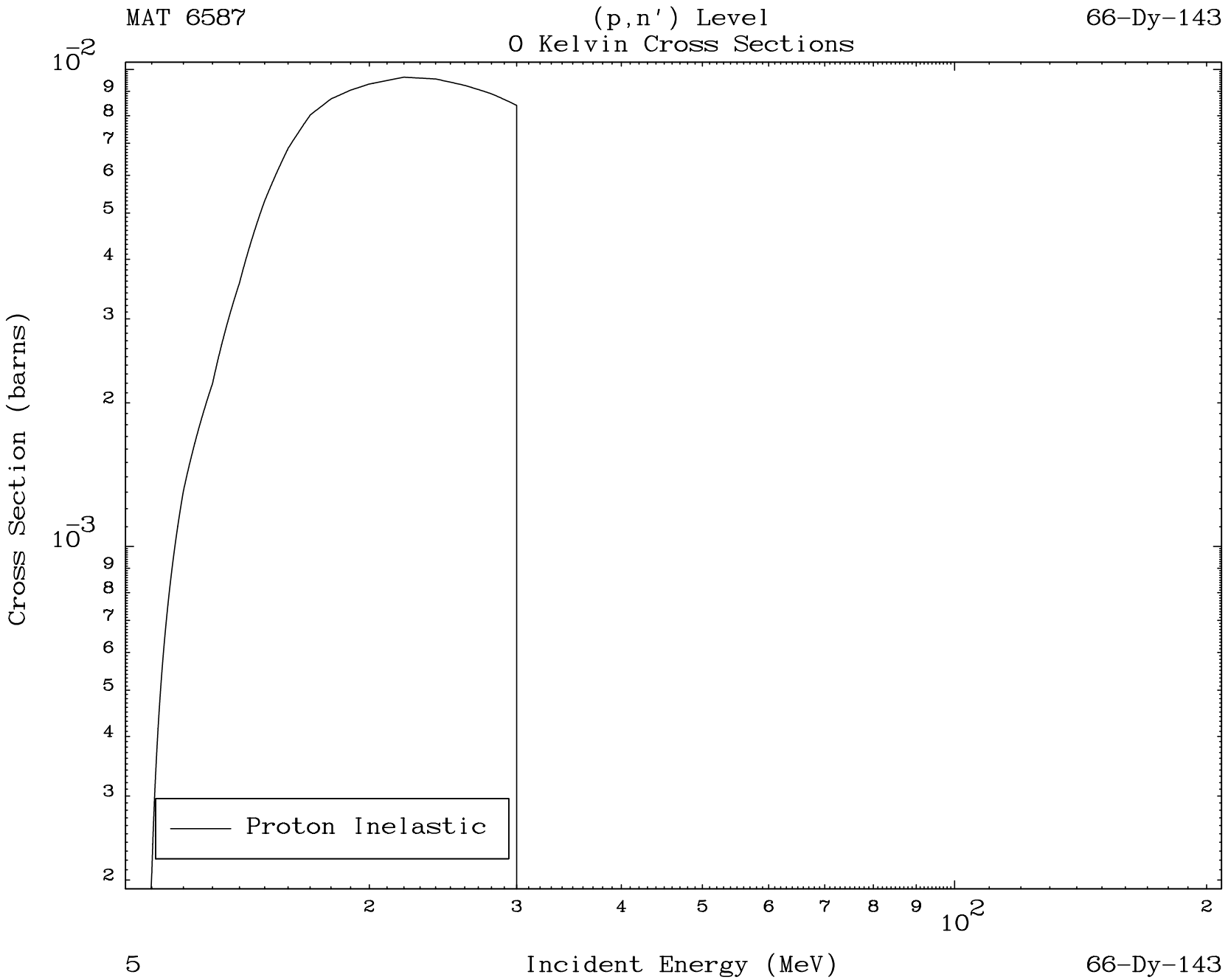
Press Mouse Button to Start

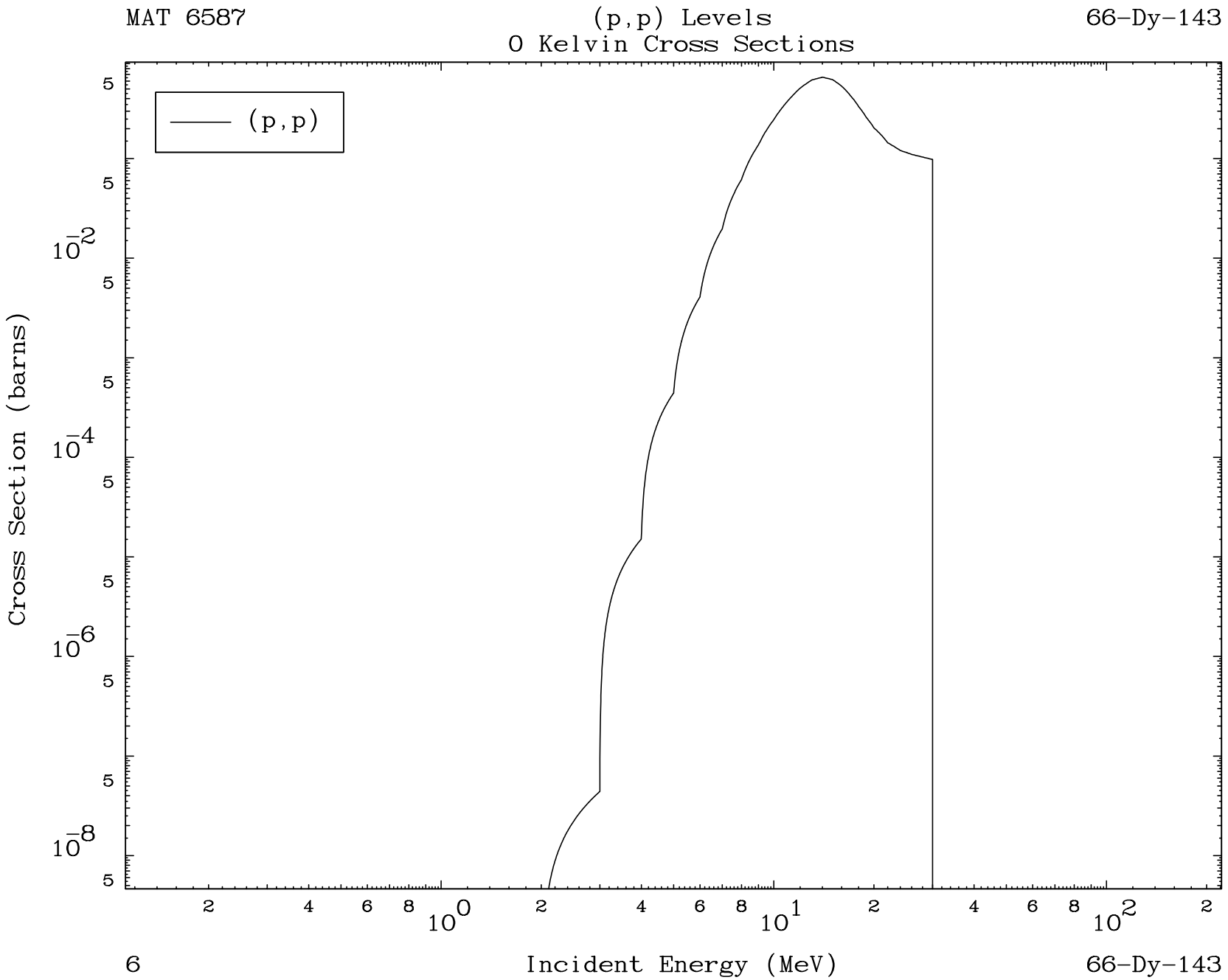

MAT 6587
Proton Major
66-Dy-143
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-143

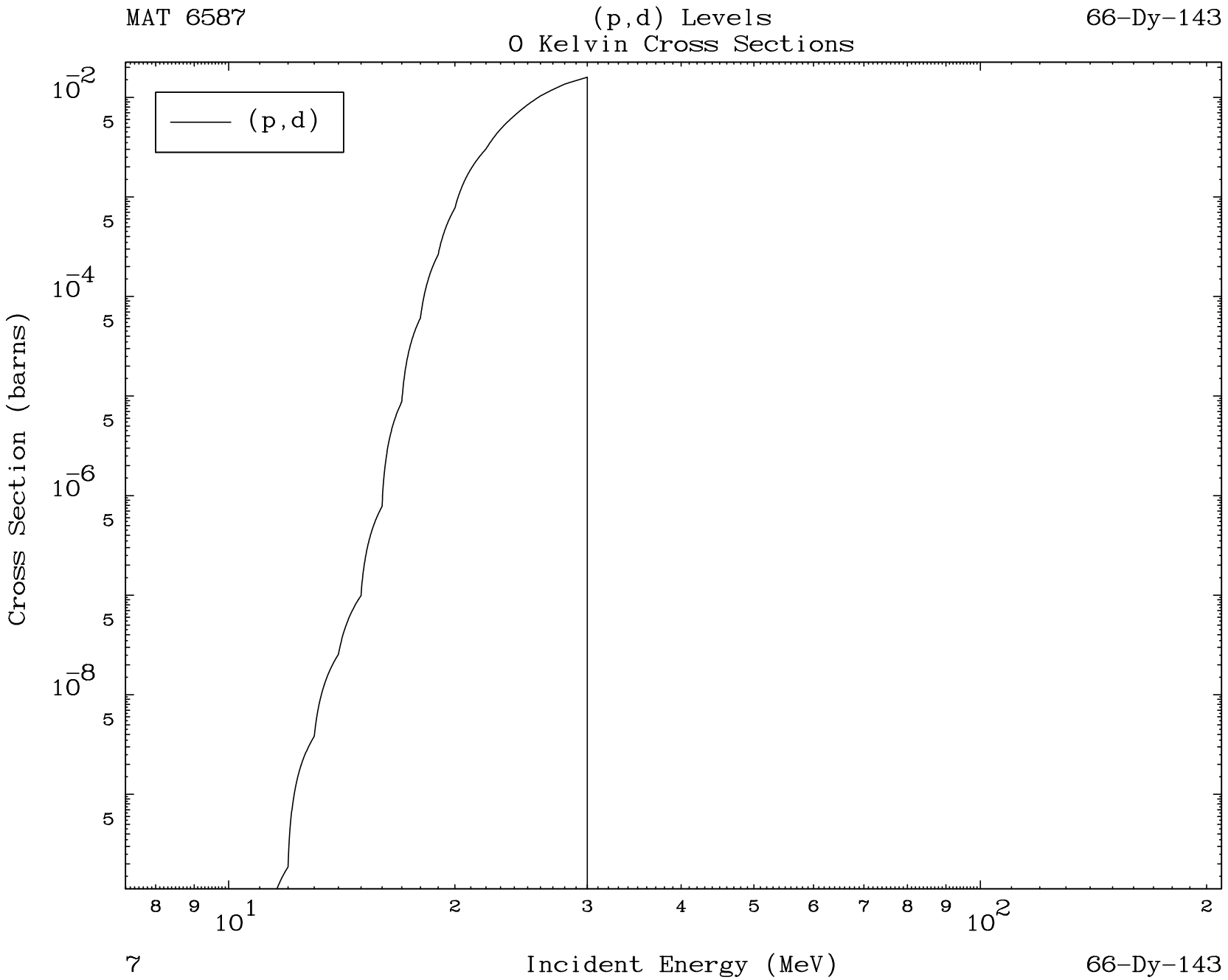

MAT 6587
Proton Neutron Production
0 Kelvin Cross Sections
66-Dy-143
(p,2n)
(p,n') α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
66-Dy-143
2

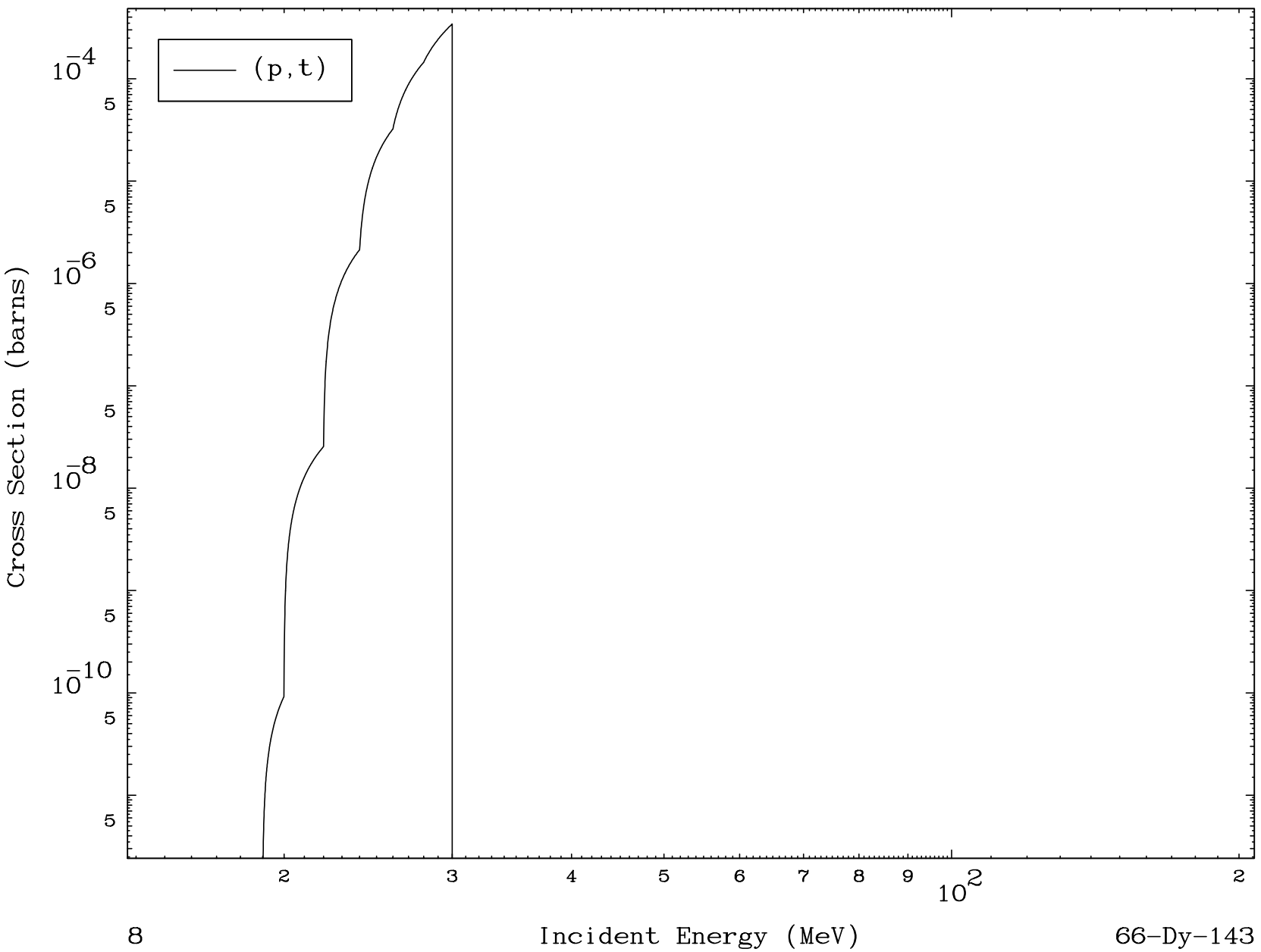

MAT 6587
Proton Charged Particle
0 Kelvin Cross Sections
66-Dy-143
(p,n') α
(p,n') p
(p,n') 2α
(p,n') d
(p,2n) p
(p,p)
(p,d)
Cross Section (barns)
Incident Energy (MeV)
3
66-Dy-143

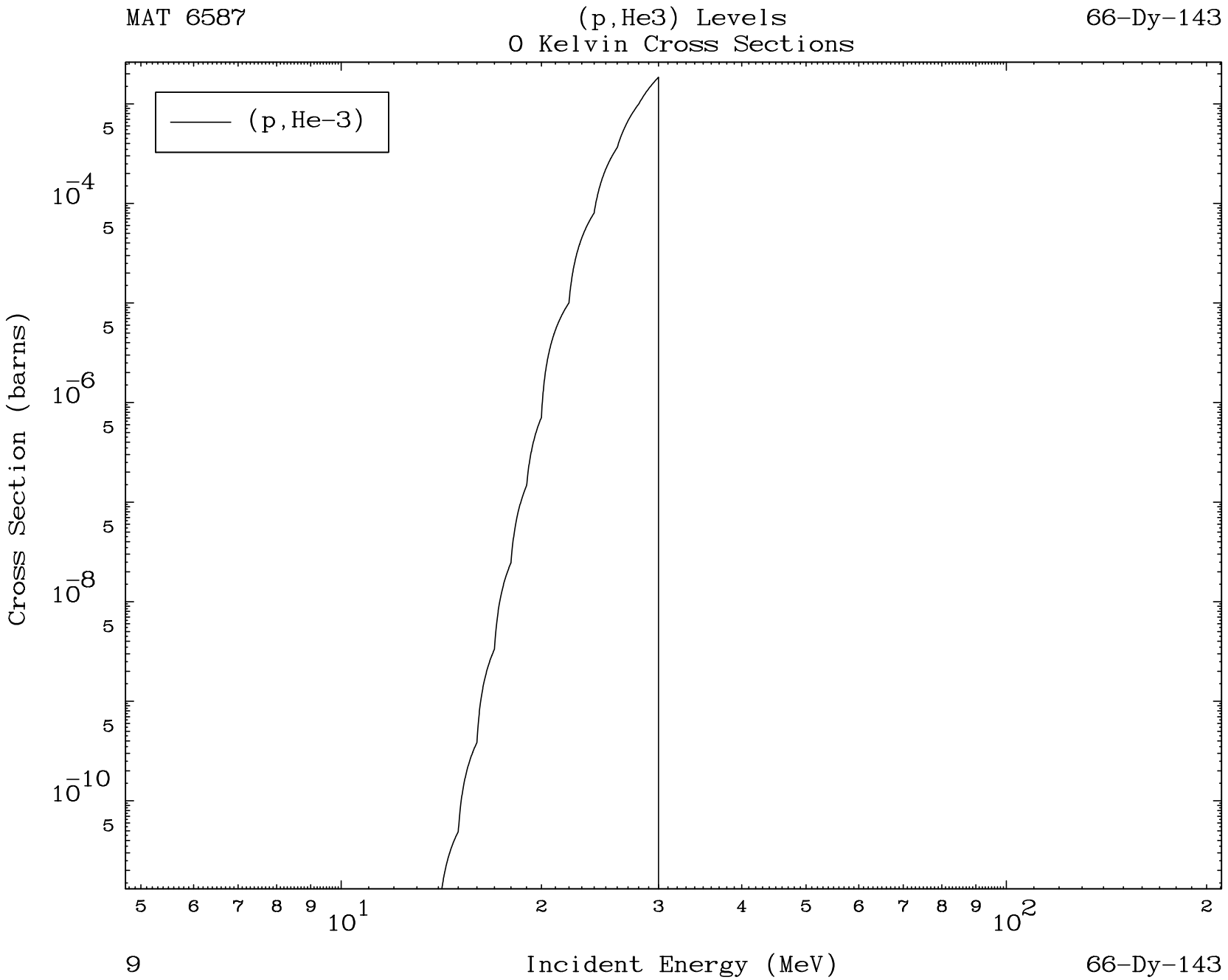

MAT 6587
Proton Charged Particle
0 Kelvin Cross Sections
66-Dy-143
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
66-Dy-143

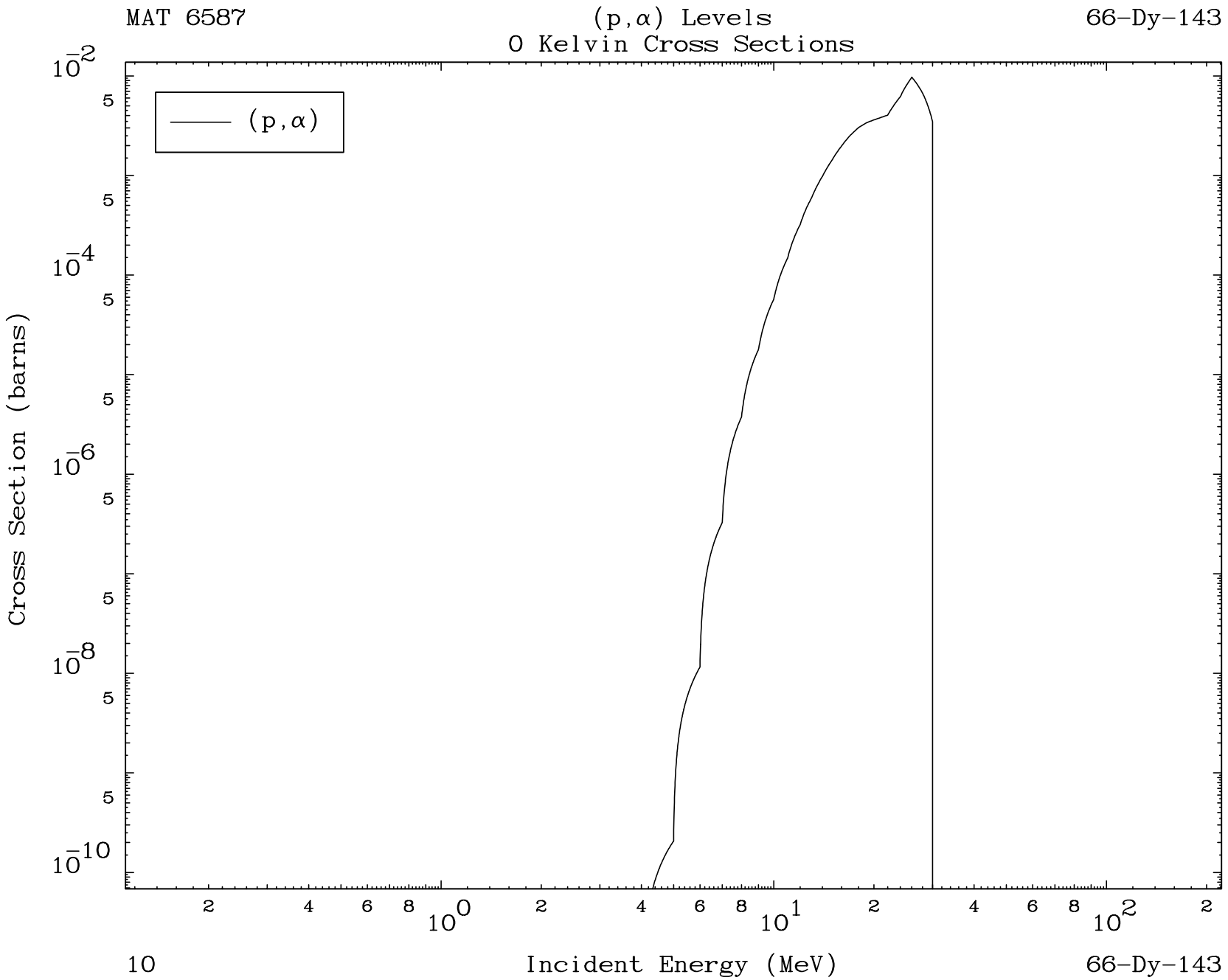

MAT 6587
(p,n') Level
66-Dy-143
0 Kelvin Cross Sections
Cross Section (barns)
Proton Inelastic
Incident Energy (MeV)
66-Dy-143
5

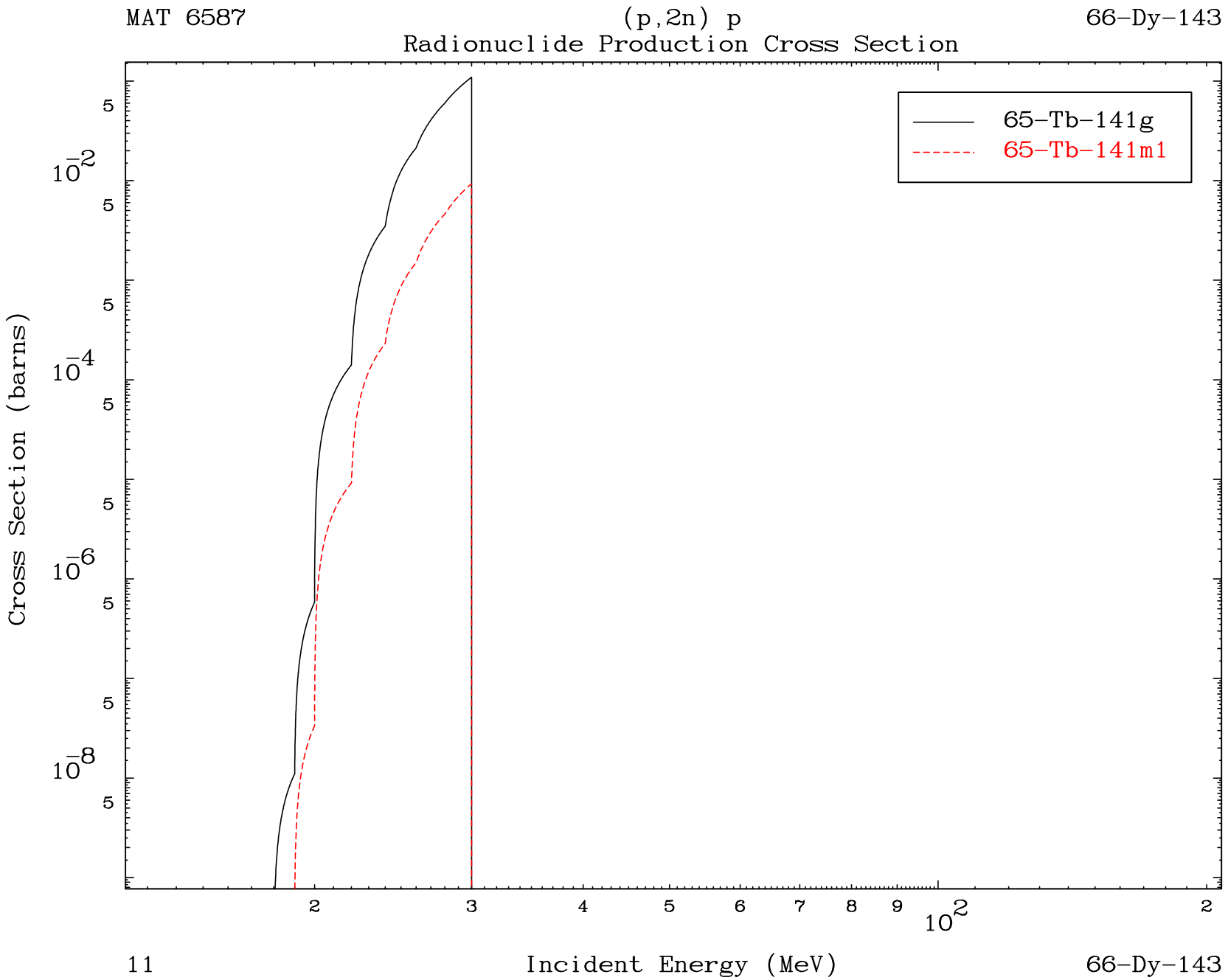

MAT 6587
(p,p) Levels
66-Dy-143
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
6
66-Dy-143

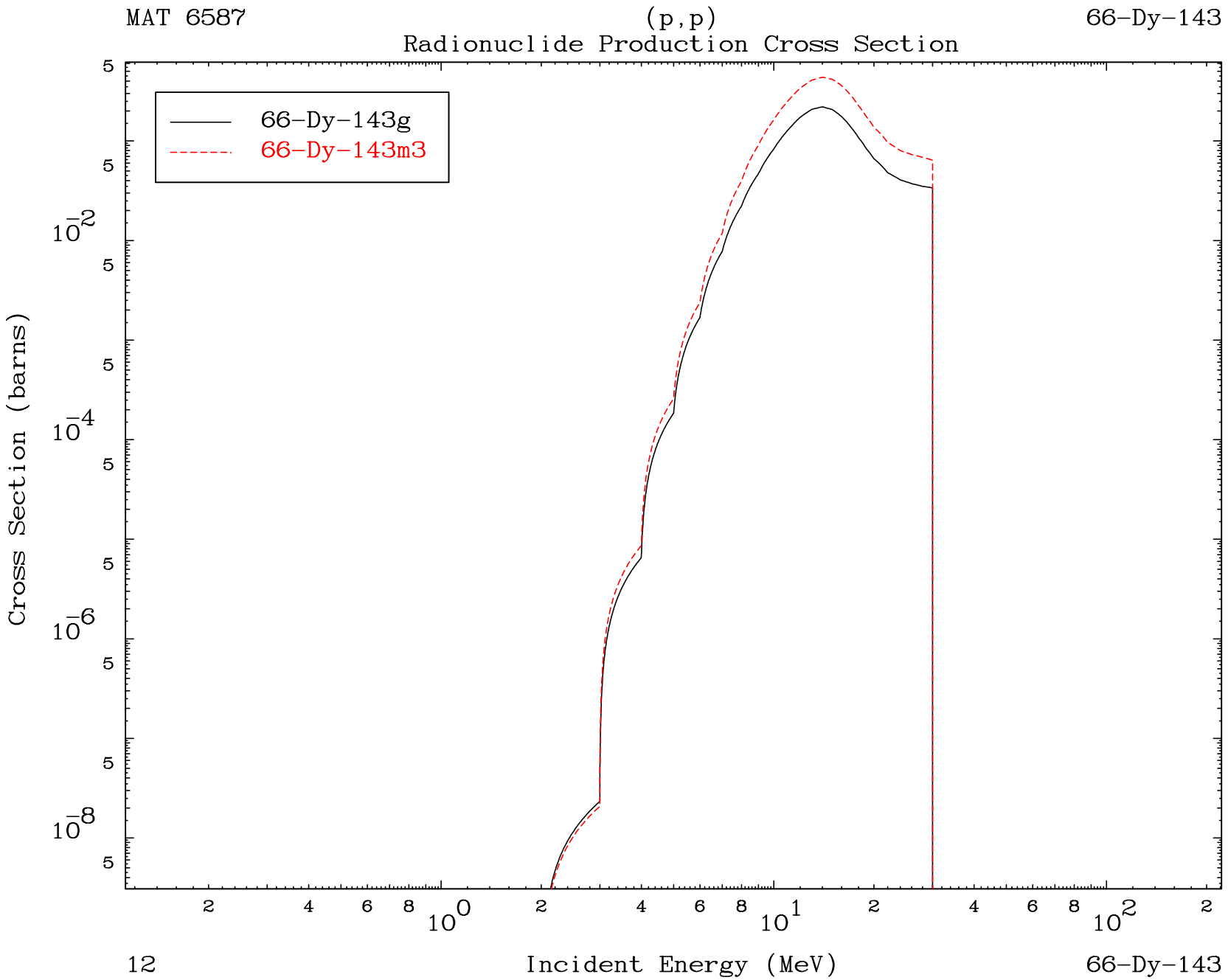

MAT 6587
(p,d) Levels
66-Dy-143
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
66-Dy-143

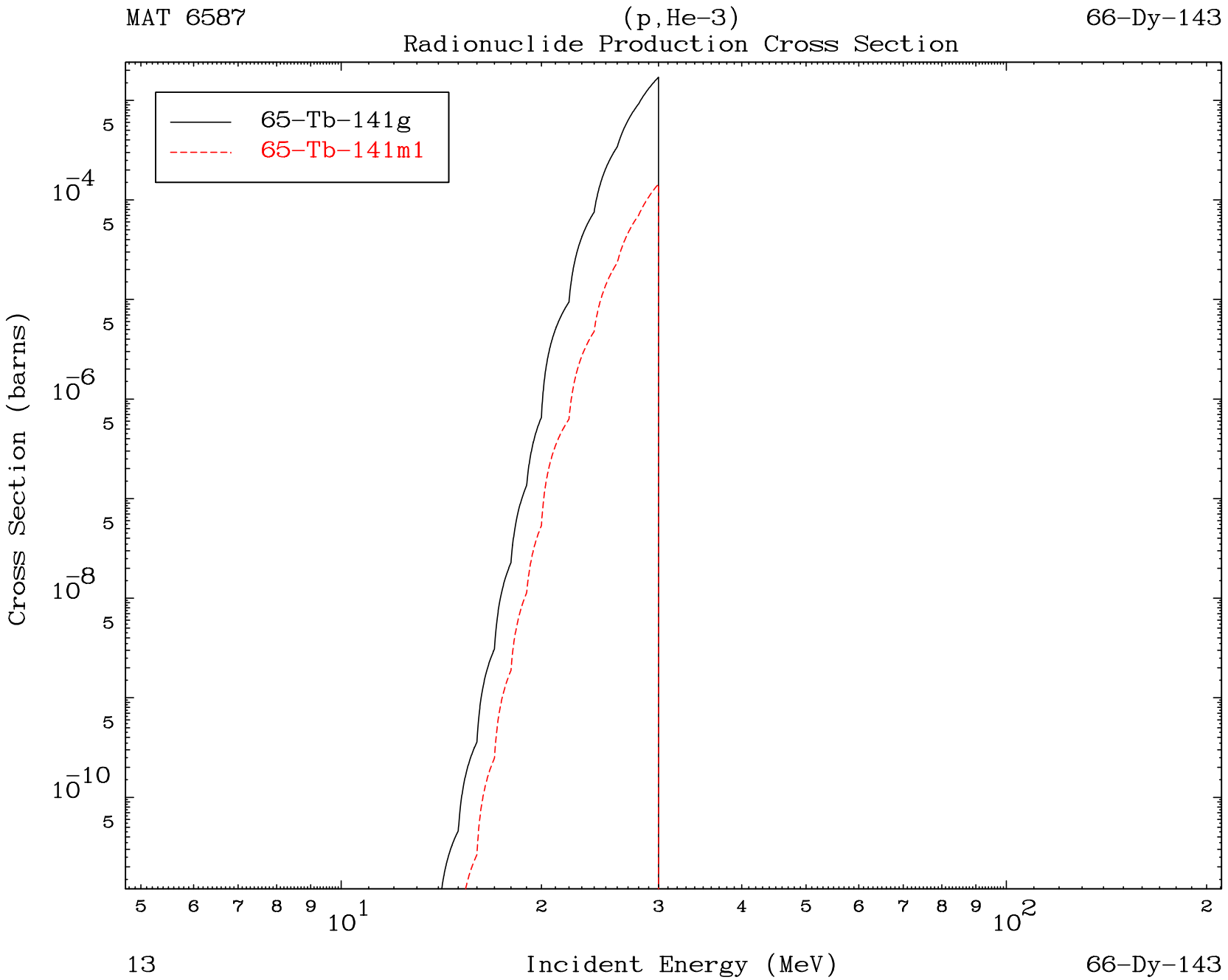

0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

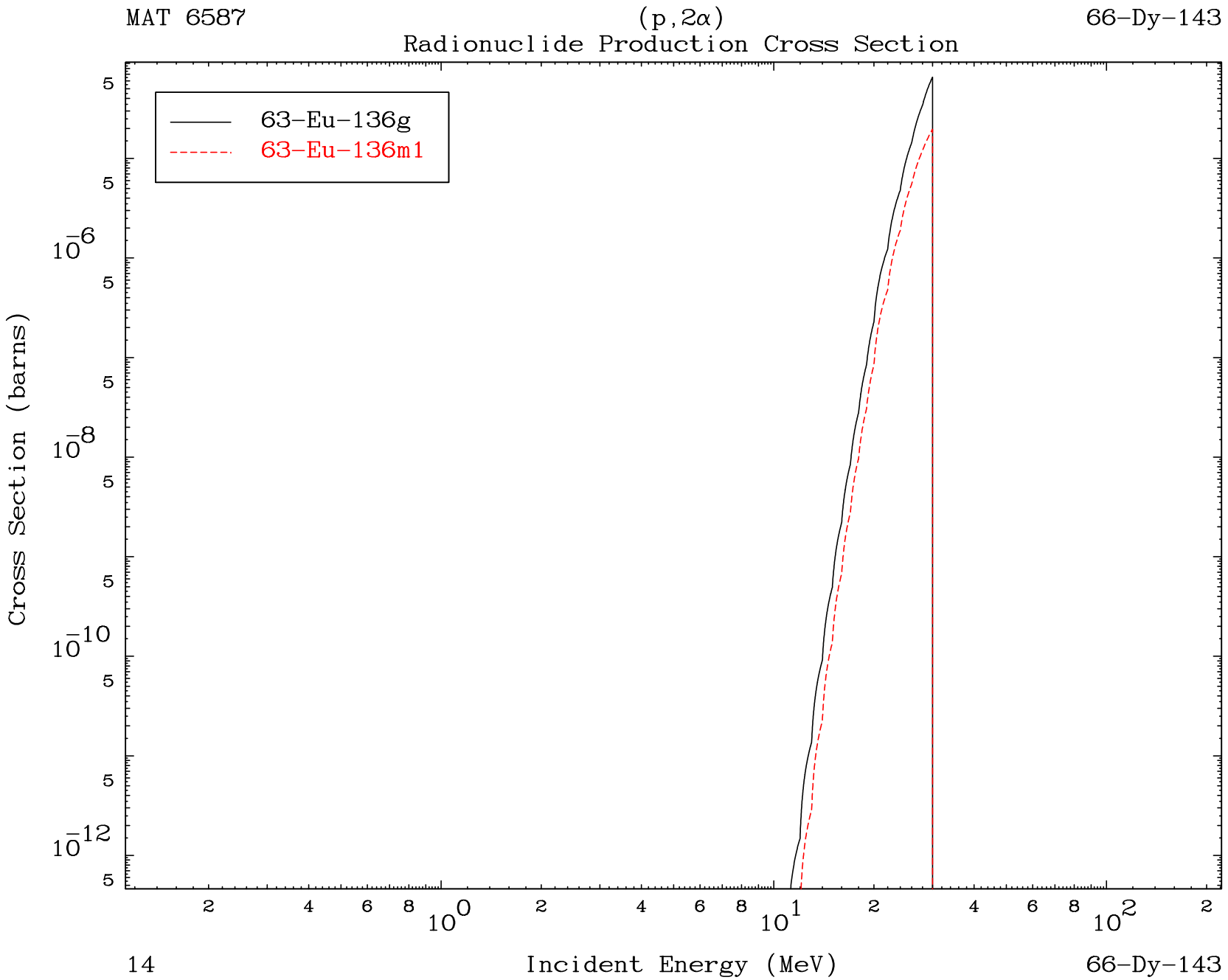

MAT 6587
(p,He3) Levels
66-Dy-143
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)
9
66-Dy-143

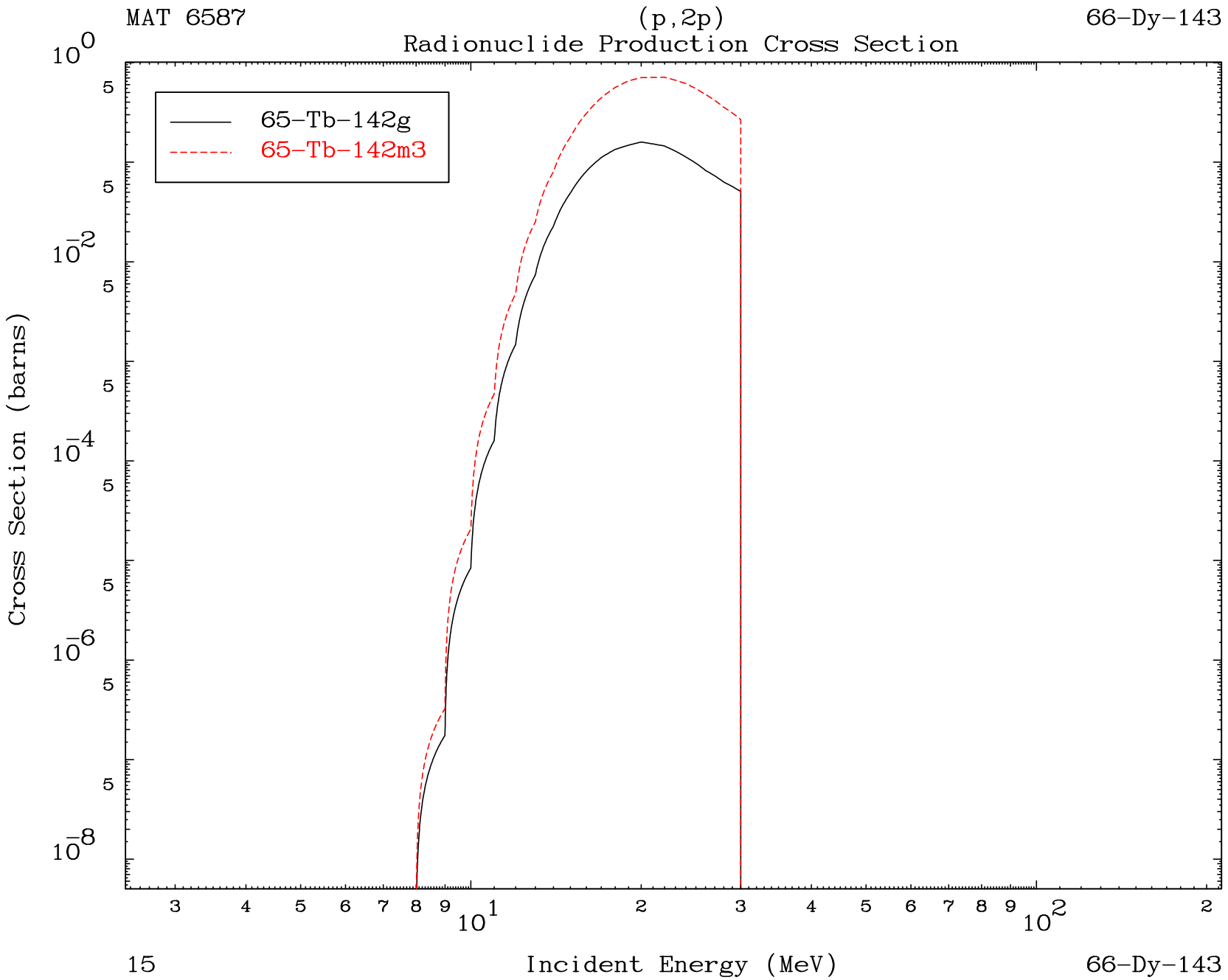

MAT 6587
(p,α) Levels
66-Dy-143
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-143

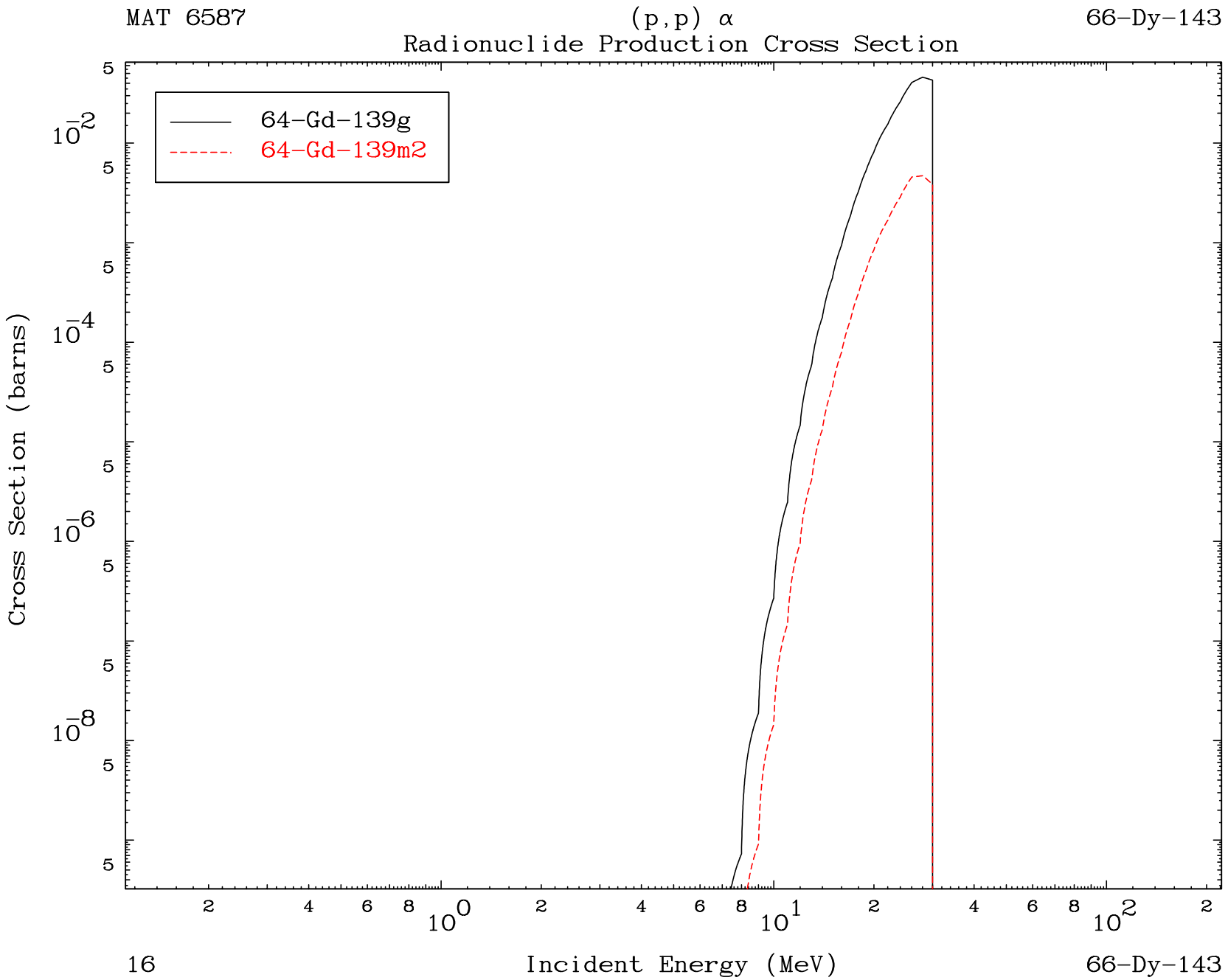

MAT 6587
(p,2n) p
66-Dy-143
Radionuclide Production Cross Section
65-Tb-141g
65-Tb-141m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
66-Dy-143

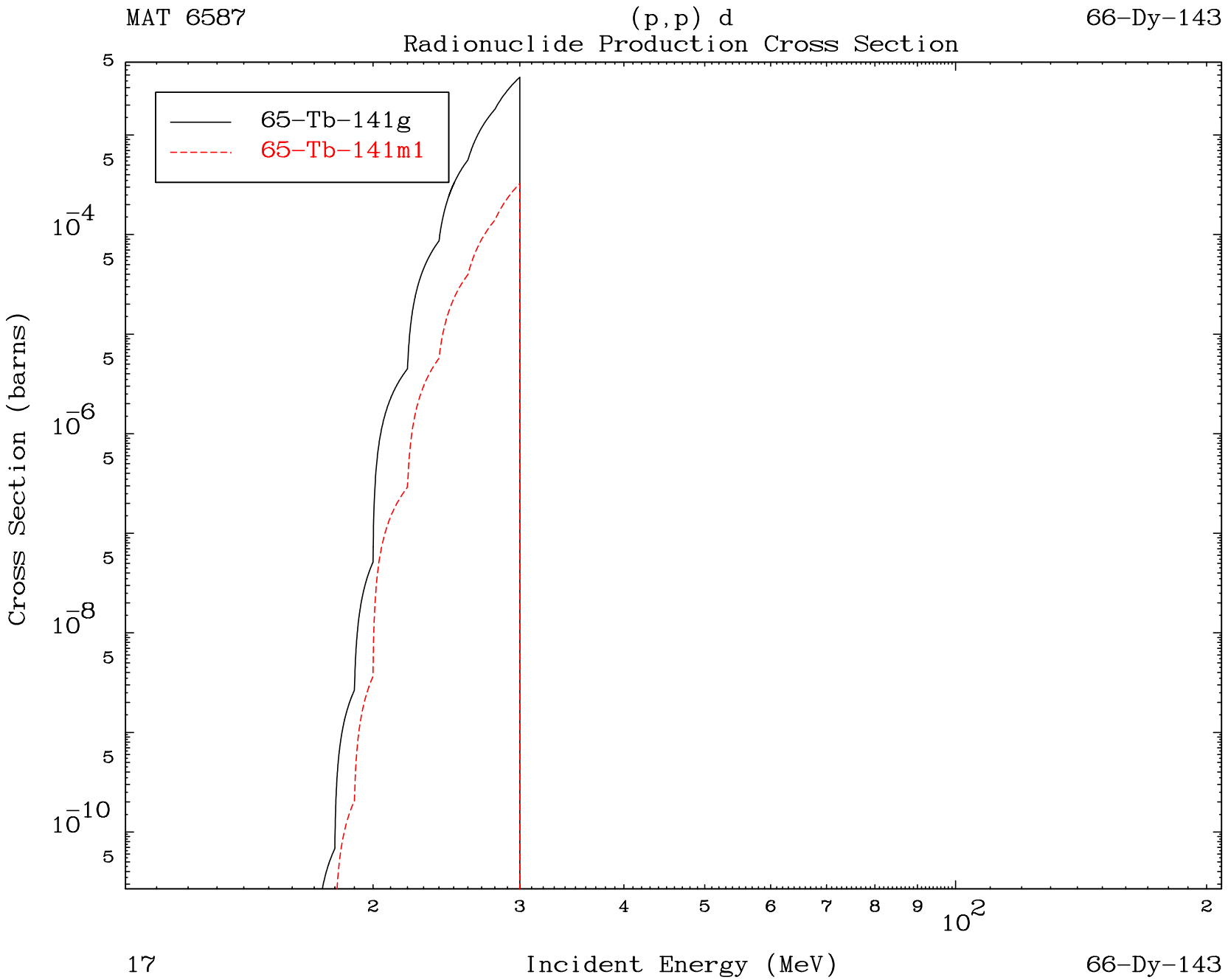

MAT 6587
(p,p)
66-Dy-143
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
Incident Energy (MeV)
12
66-Dy-143


MAT 6587
(p,He-3)
66-Dy-143
Radionuclide Production Cross Section
65-Tb-141g
65-Tb-141m1
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
13
Incident Energy (MeV)
66-Dy-143


MAT 6587
(p,2α)
66-Dy-143
Radionuclide Production Cross Section
63-Eu-136g
63-Eu-136m1
Cross Section (barns)
Incident Energy (MeV)
14
66-Dy-143


MAT 6587
(p,2p)
66-Dy-143
Radionuclide Production Cross Section
65-Tb-142g
65-Tb-142m3
Cross Section (barns)
Incident Energy (MeV)
15
66-Dy-143


MAT 6587
(p,p) α
66-Dy-143
Radionuclide Production Cross Section
64-Gd-139g
64-Gd-139m2
Cross Section (barns)
Incident Energy (MeV)
16
66-Dy-143


MAT 6587
(p,p) d
66-Dy-143
Radionuclide Production Cross Section
65-Tb-141g
65-Tb-141m1
Cross Section (barns)
Incident Energy (MeV)
17
66-Dy-143