Program EVALPLOT
(Version 2018-1)
by
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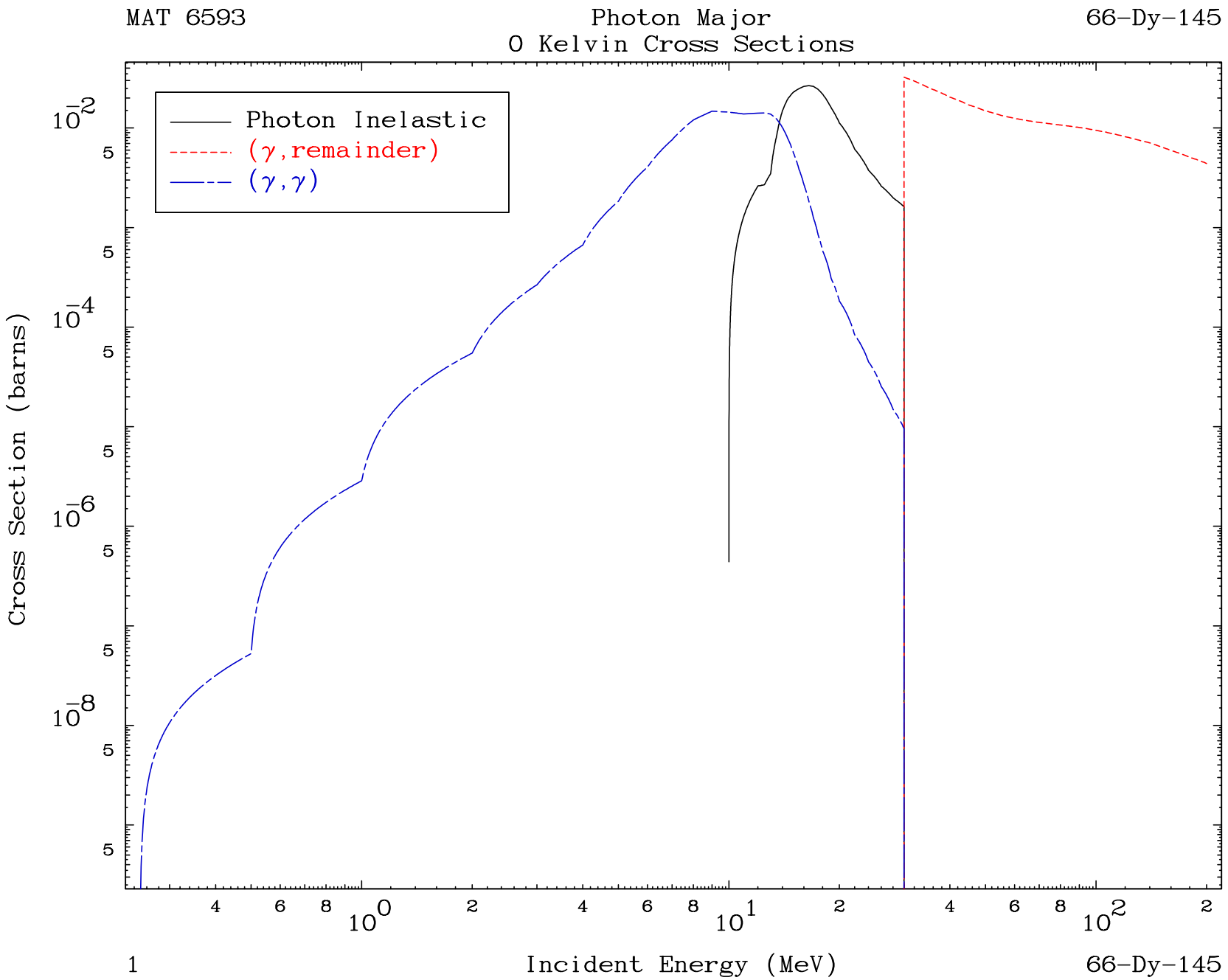
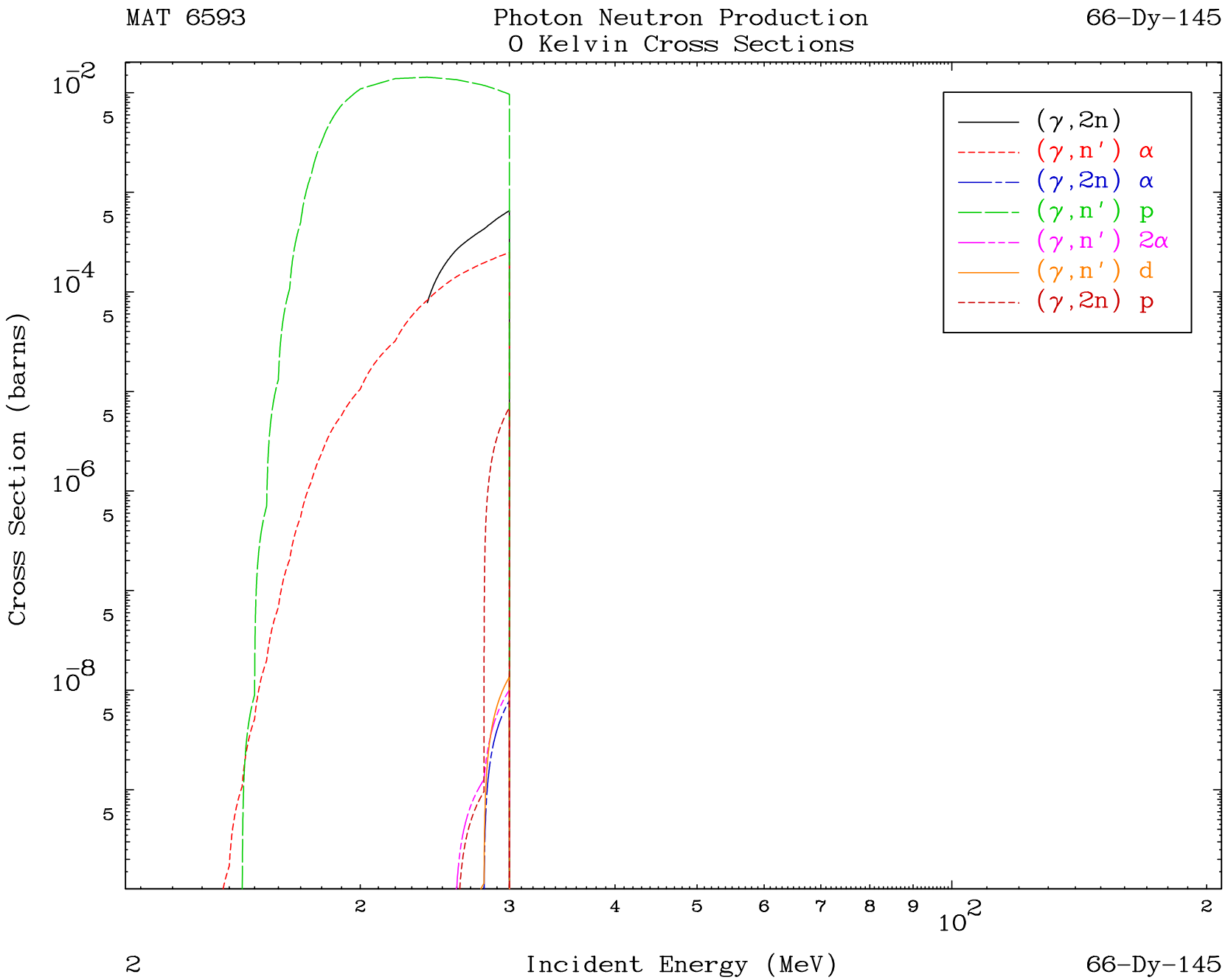
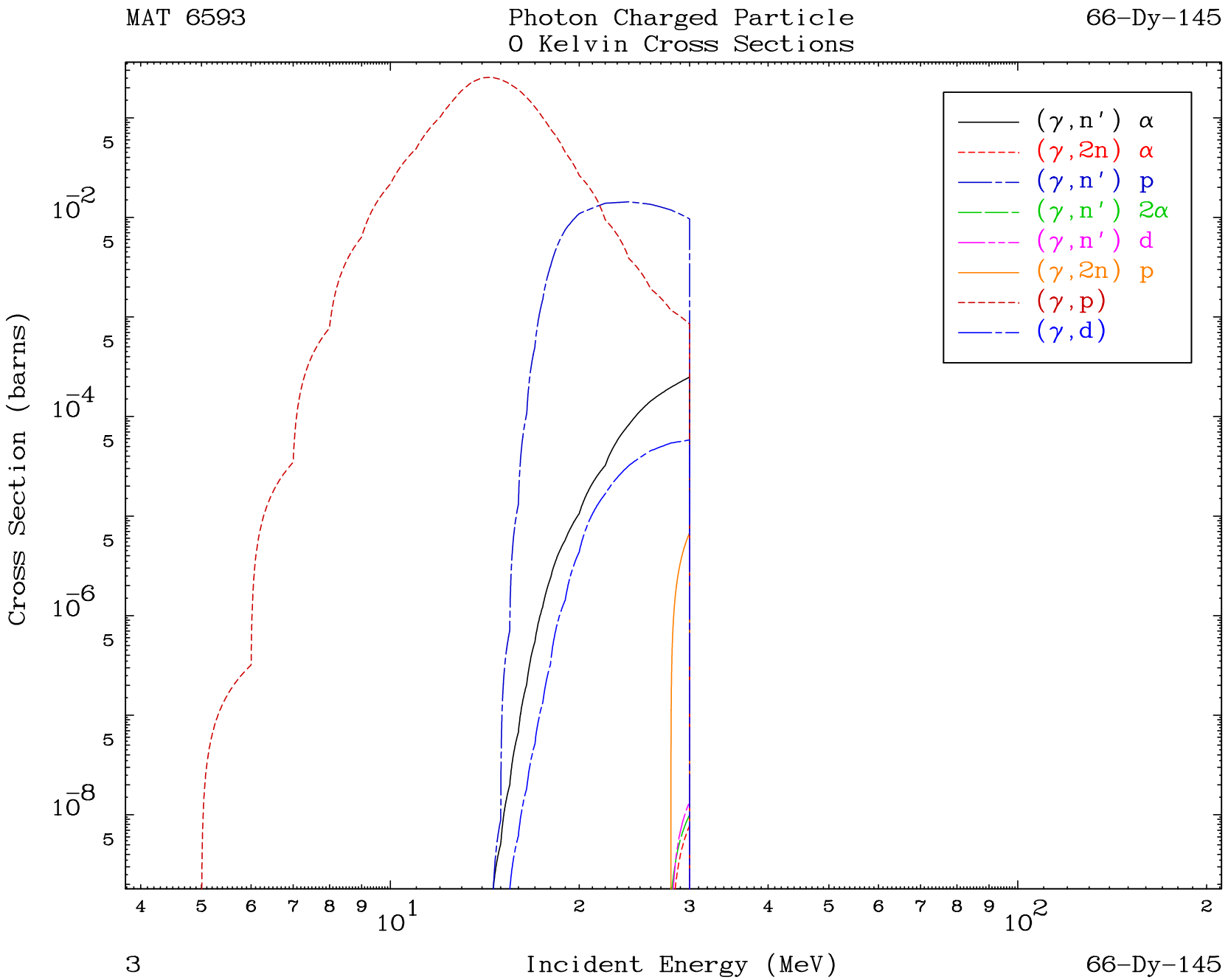
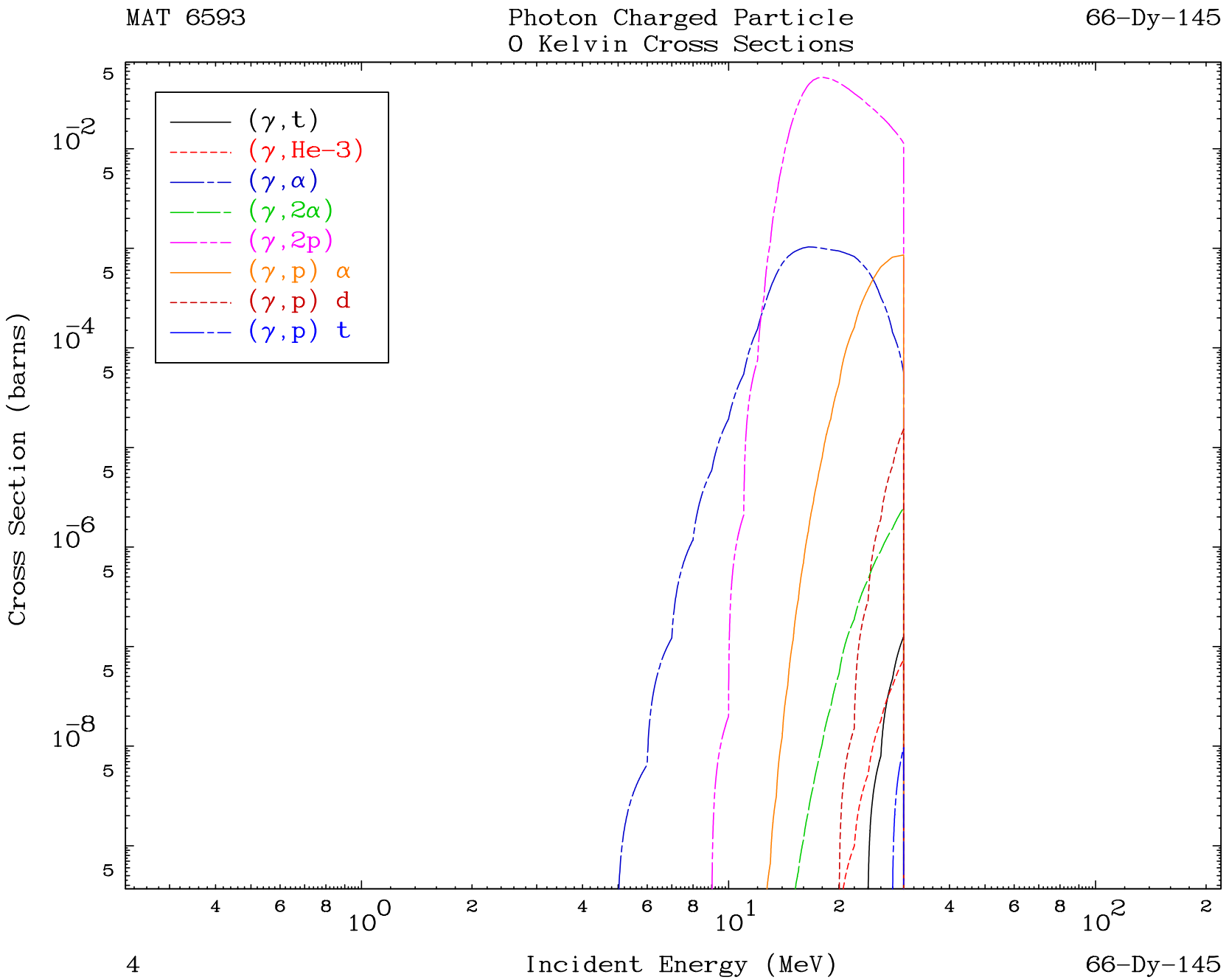
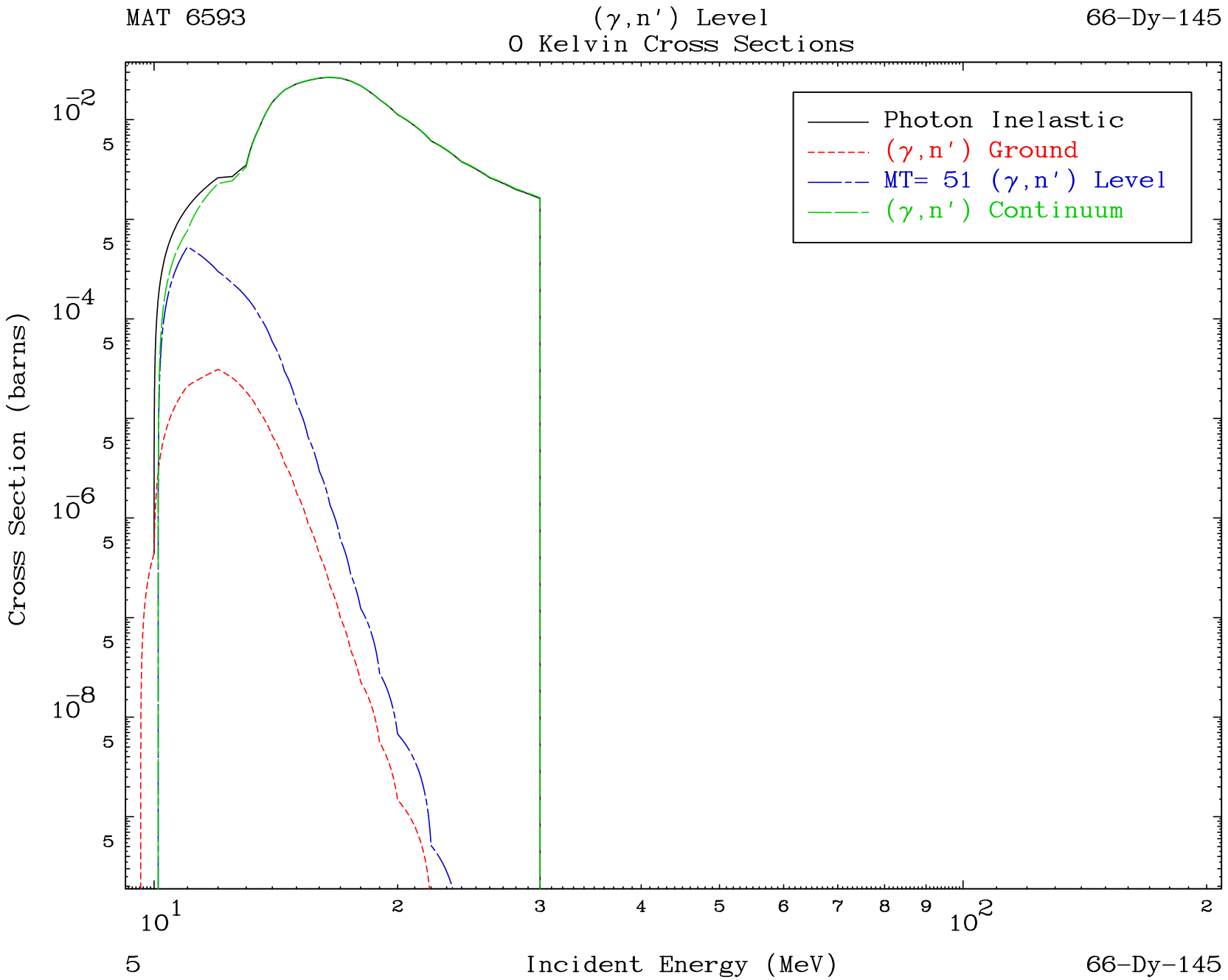
Press Mouse Button to Start

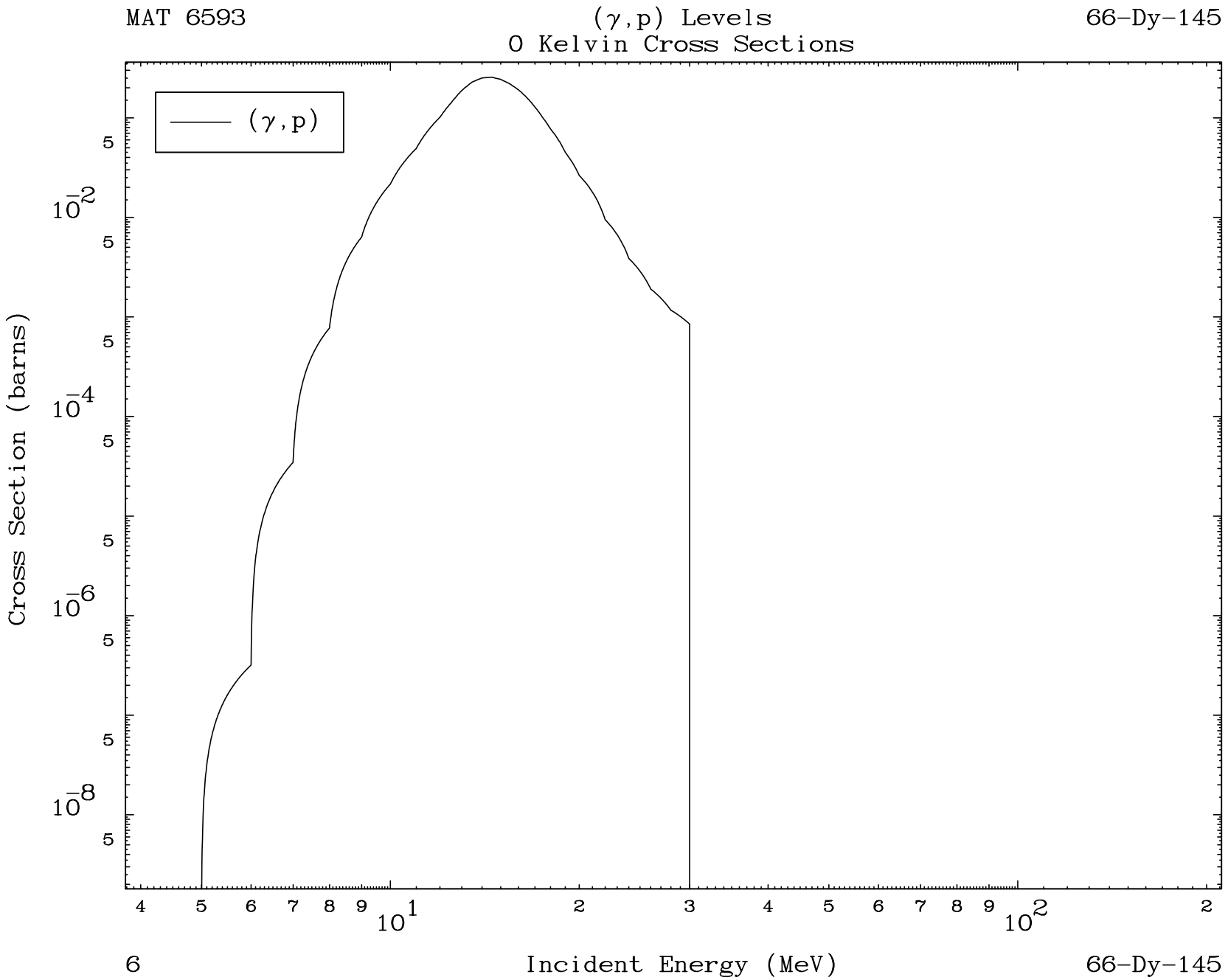

MAT 6593
Photon Major
66-Dy-145
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-145

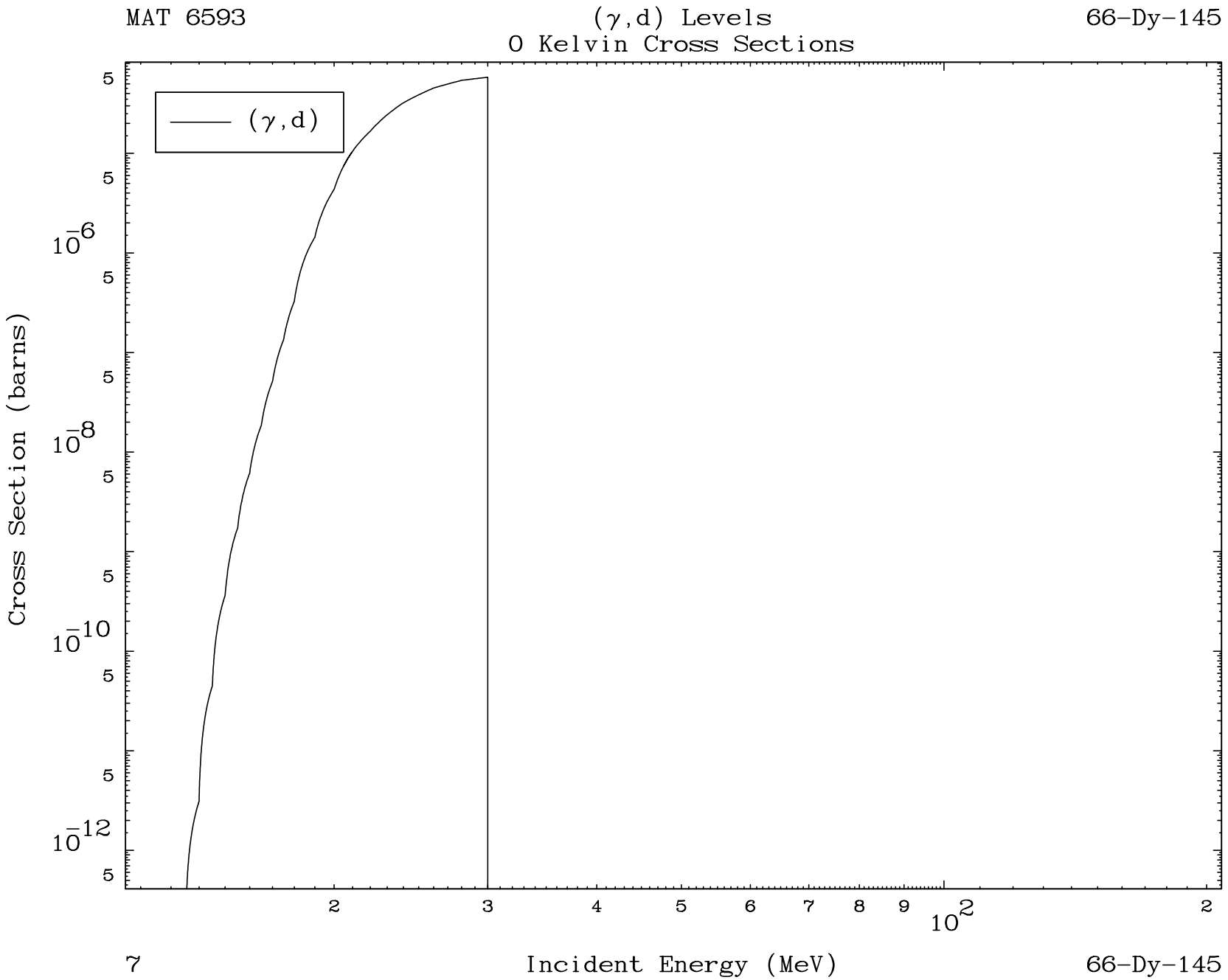

MAT 6593
Photon Neutron Production
0 Kelvin Cross Sections
66-Dy-145
Cross Section (barns)
Incident Energy (MeV)
66-Dy-145
2
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p

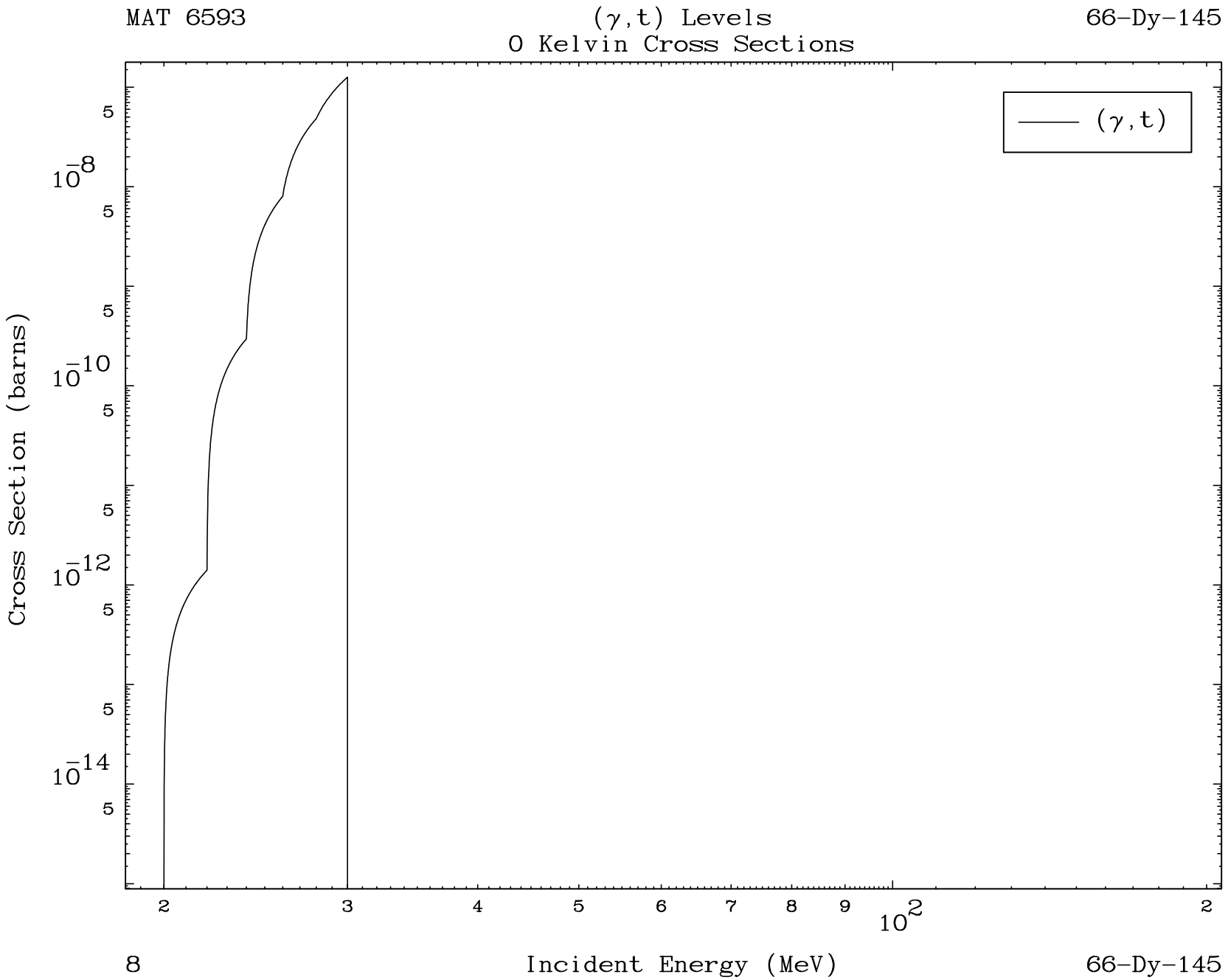

MAT 6593
Photon Charged Particle
0 Kelvin Cross Sections
66-Dy-145
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
3
66-Dy-145

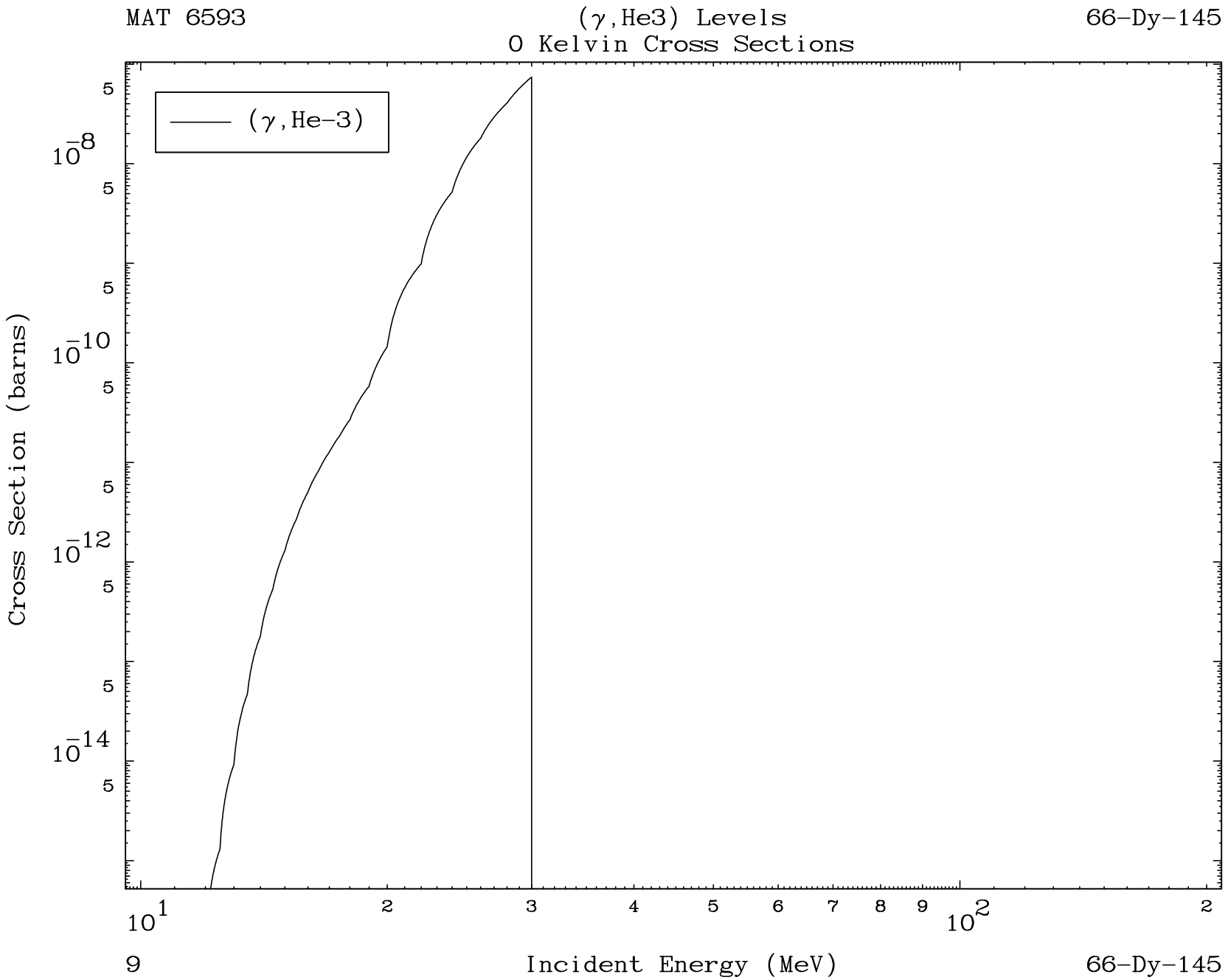

MAT 6593
Photon Charged Particle
0 Kelvin Cross Sections
66-Dy-145
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
66-Dy-145

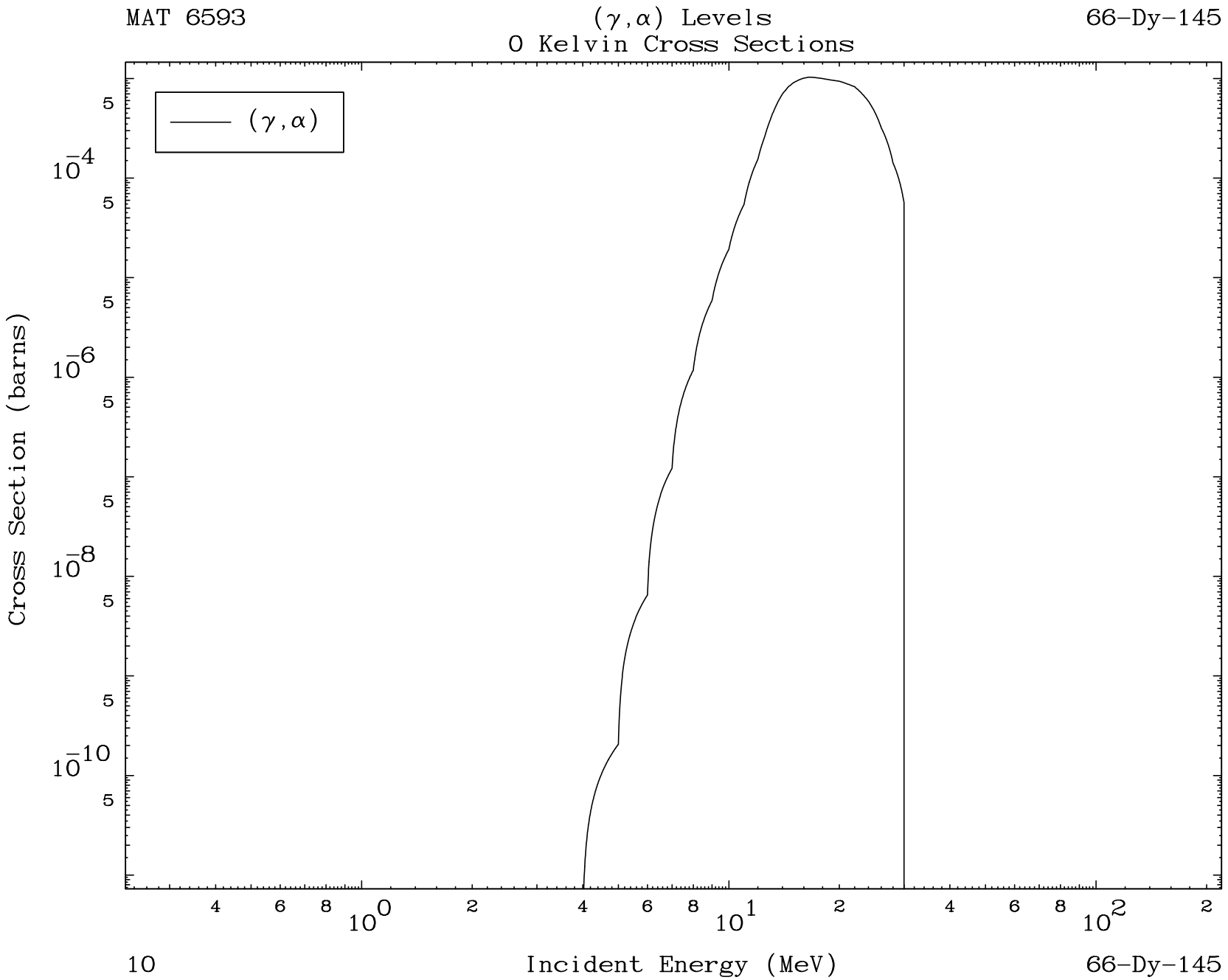

MAT 6593
(γ,n') Level
66-Dy-145
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
66-Dy-145

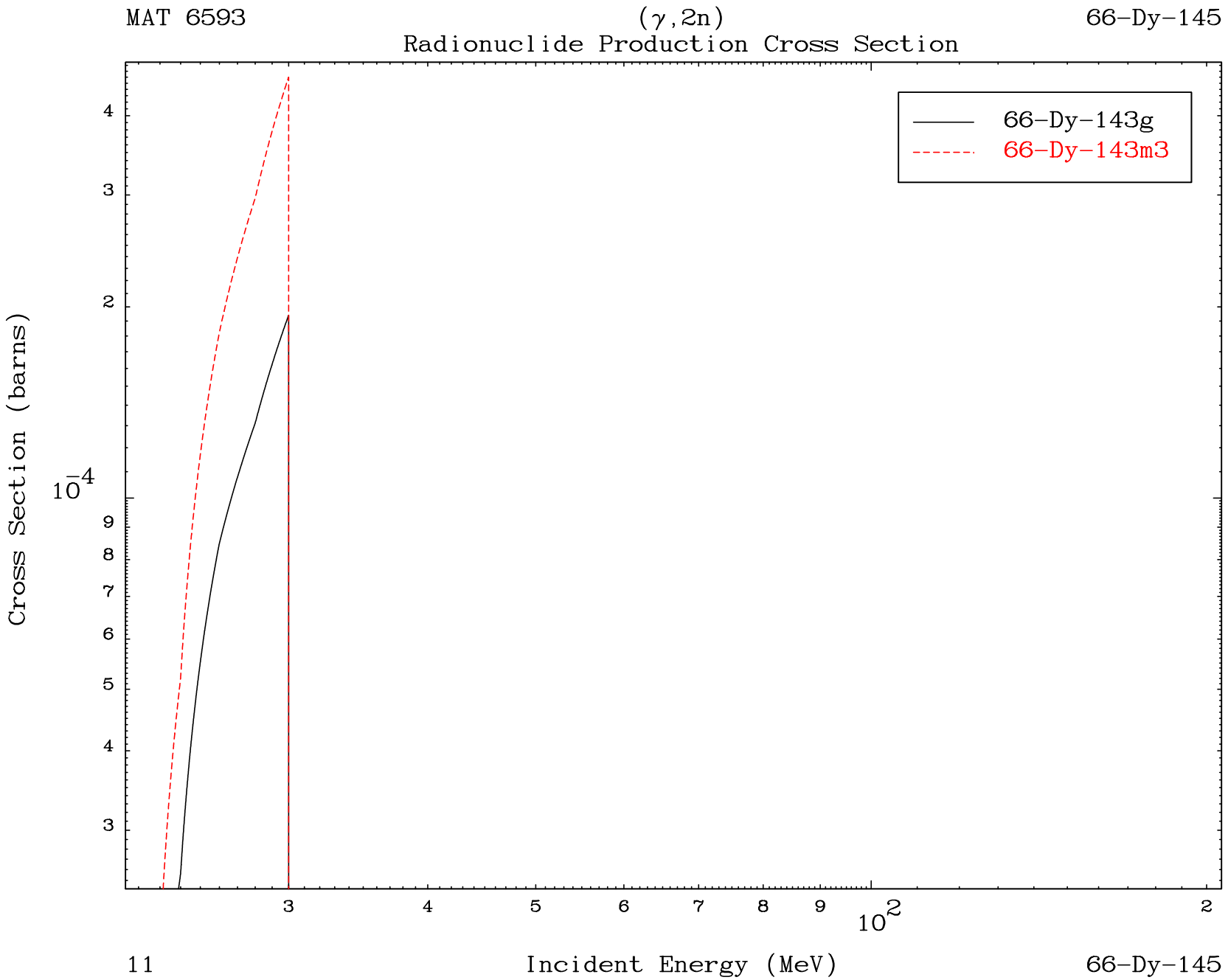

MAT 6593
(γ,p) Levels
66-Dy-145
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
66-Dy-145

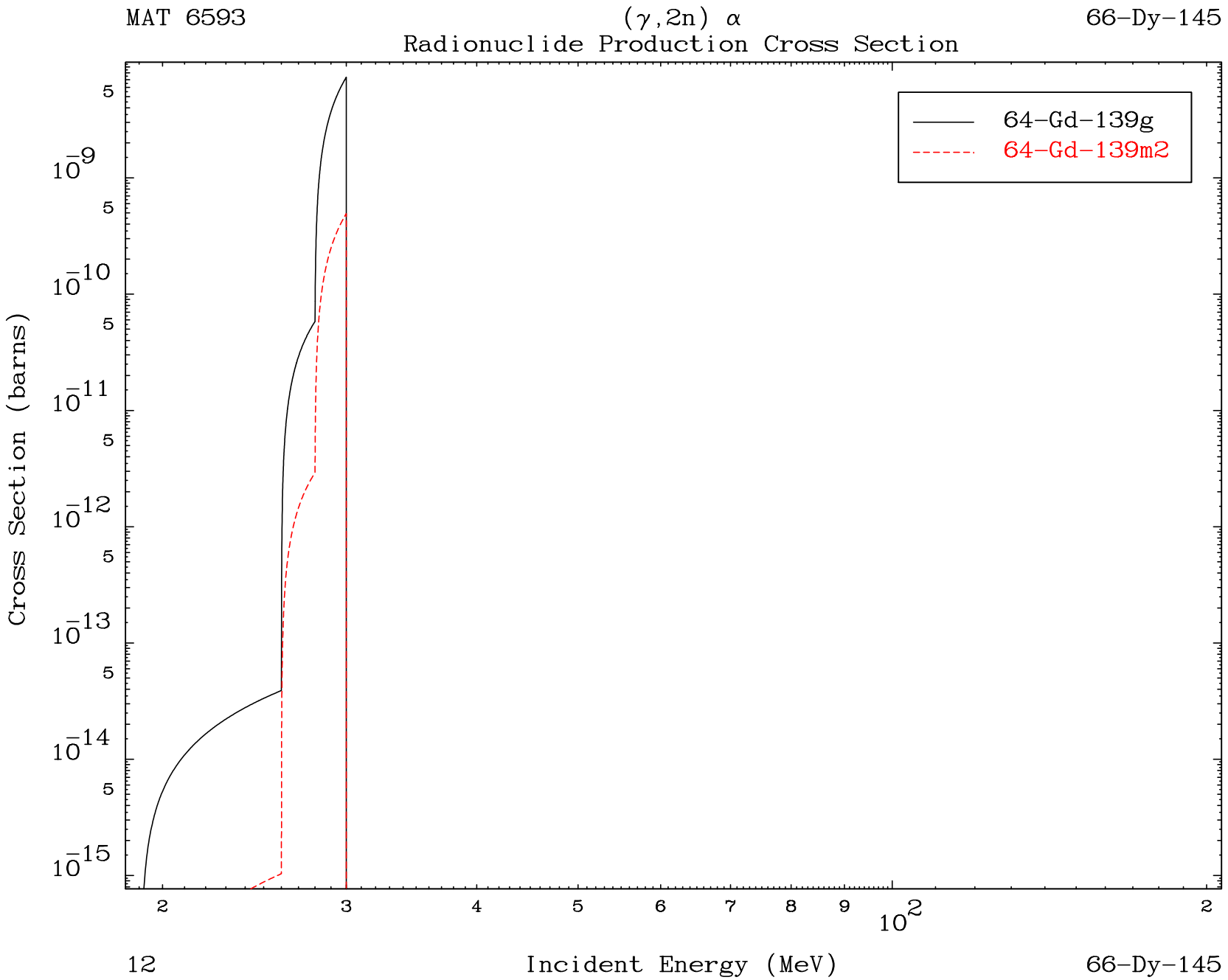

MAT 6593
(γ,d) Levels
66-Dy-145
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
7
66-Dy-145

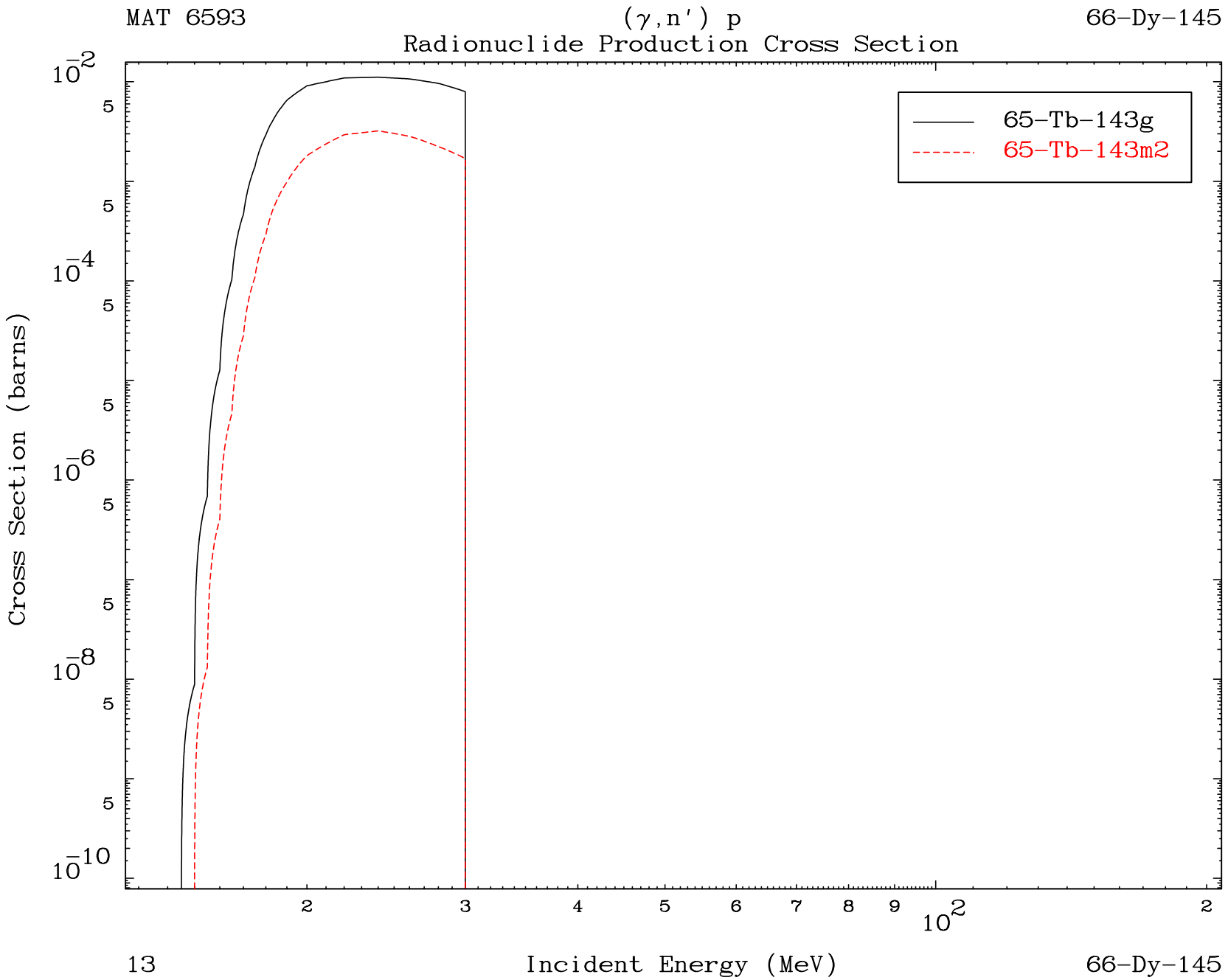

MAT 6593
(γ,t) Levels
66-Dy-145
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
66-Dy-145

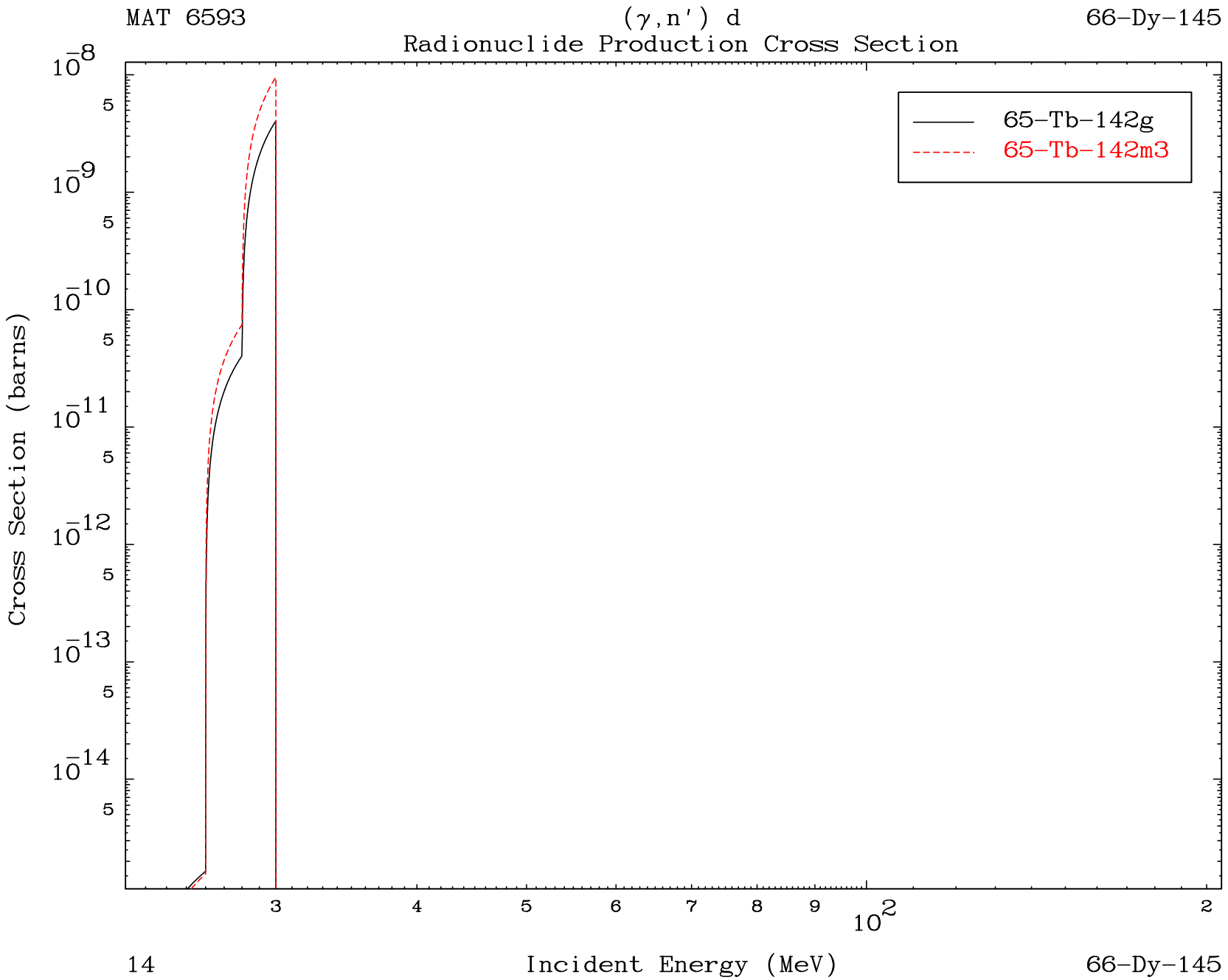

MAT 6593
(γ,He3) Levels
66-Dy-145
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
9
66-Dy-145

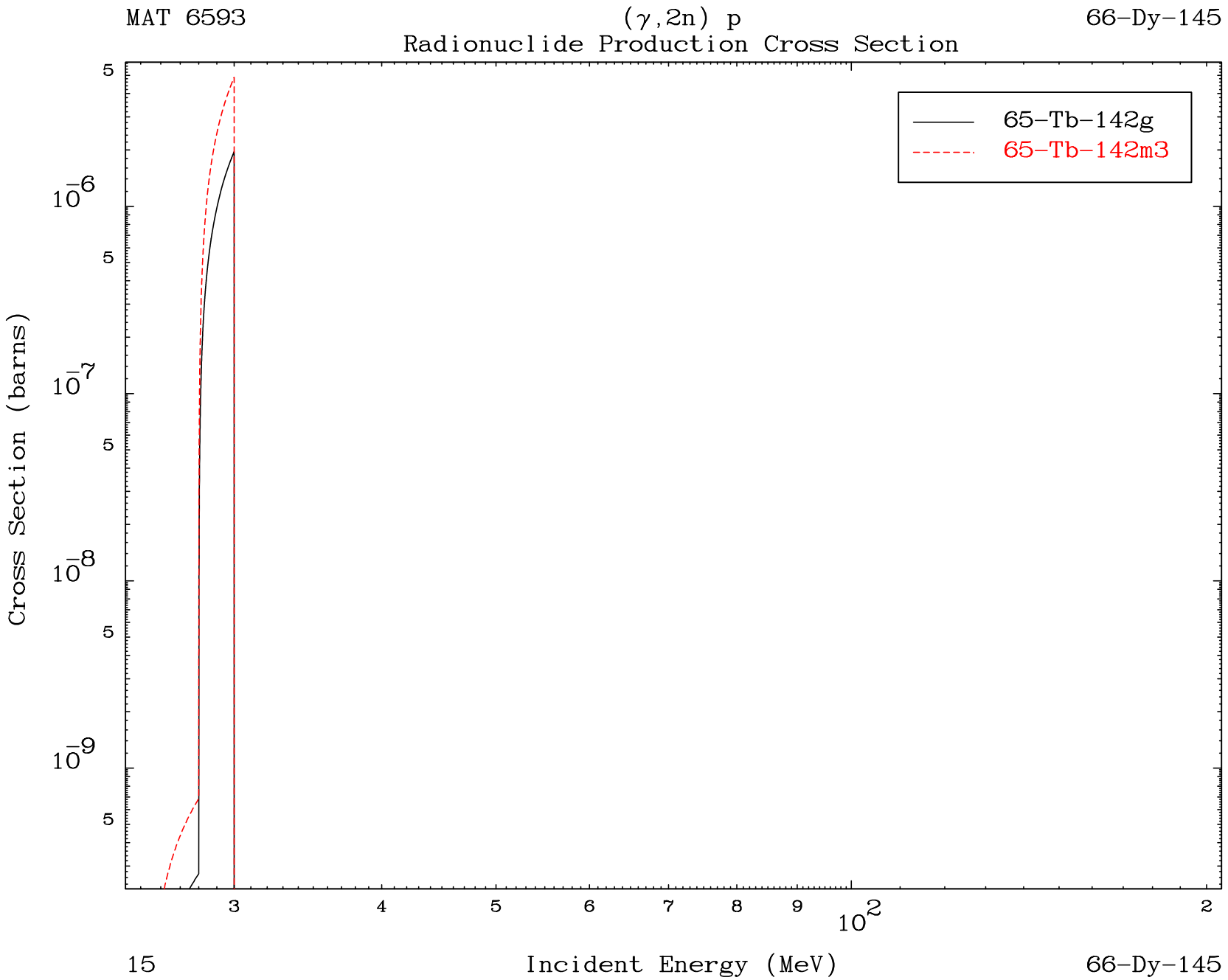

MAT 6593
(γ,α) Levels
66-Dy-145
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
10
66-Dy-145

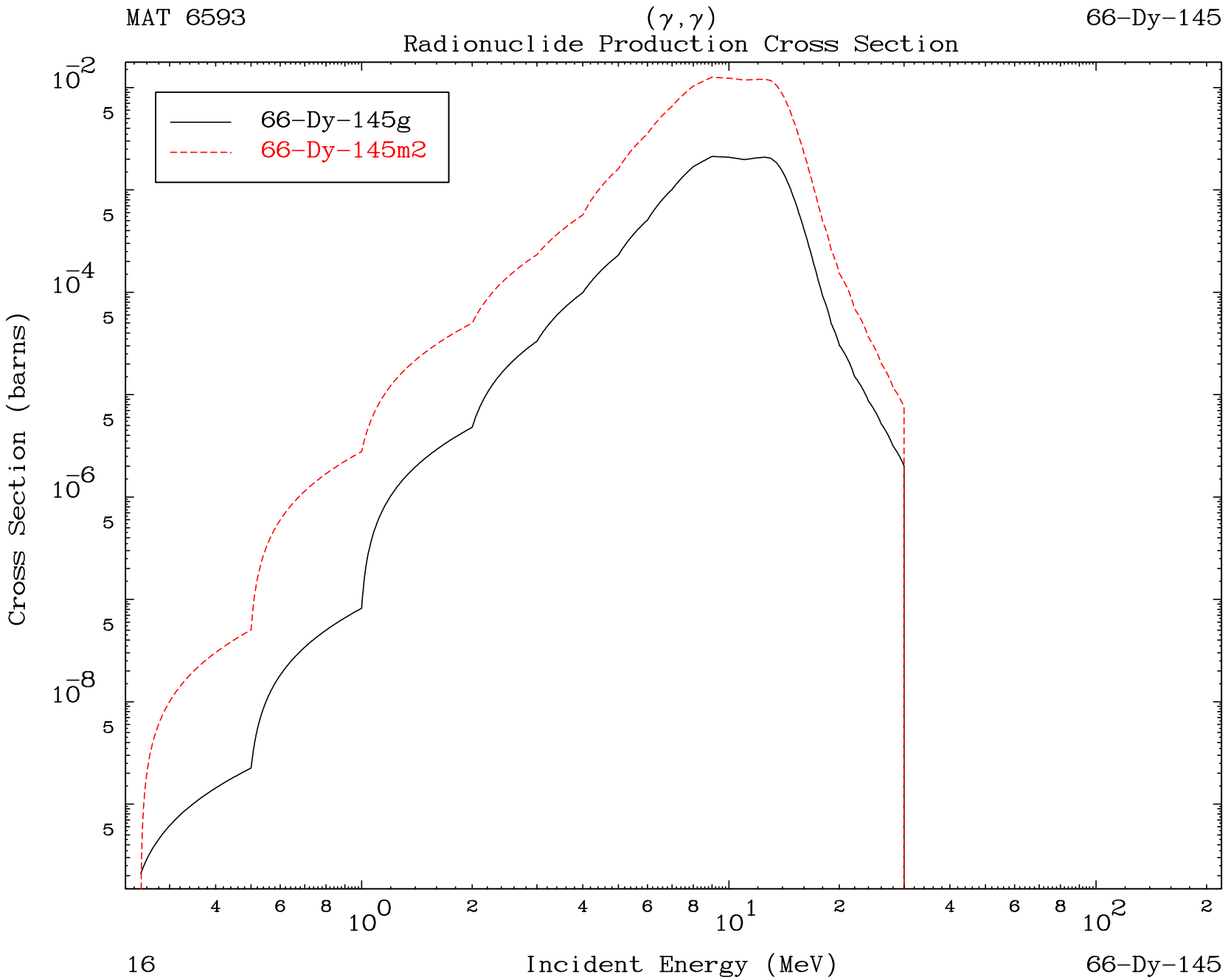

MAT 6593
(γ,2n)
66-Dy-145
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
10^-4
4
3
2
9
8
7
6
5
4
3
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
66-Dy-145

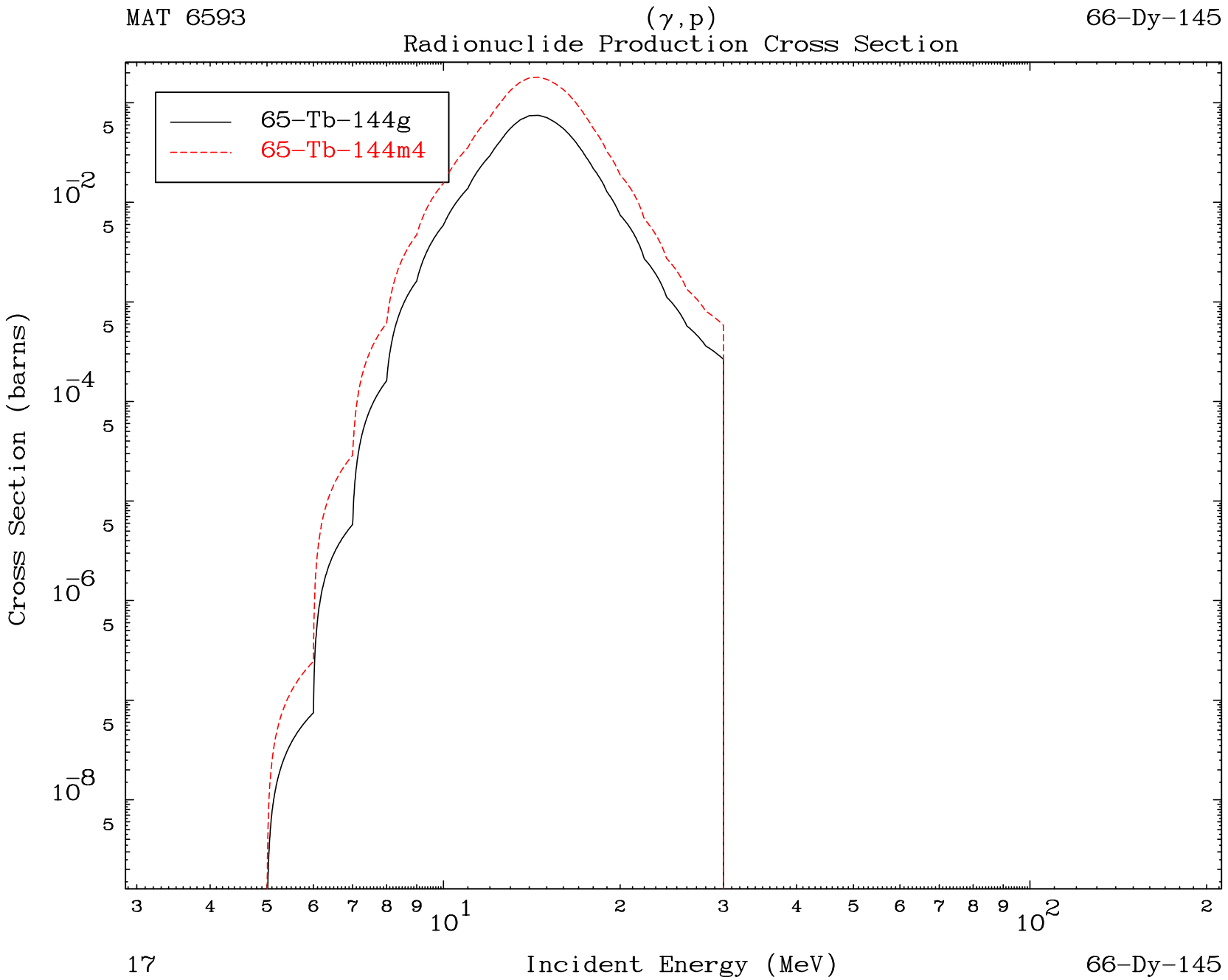

MAT 6593
(γ,2n) α
66-Dy-145
Radionuclide Production Cross Section
64-Gd-139g
64-Gd-139m2
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
66-Dy-145

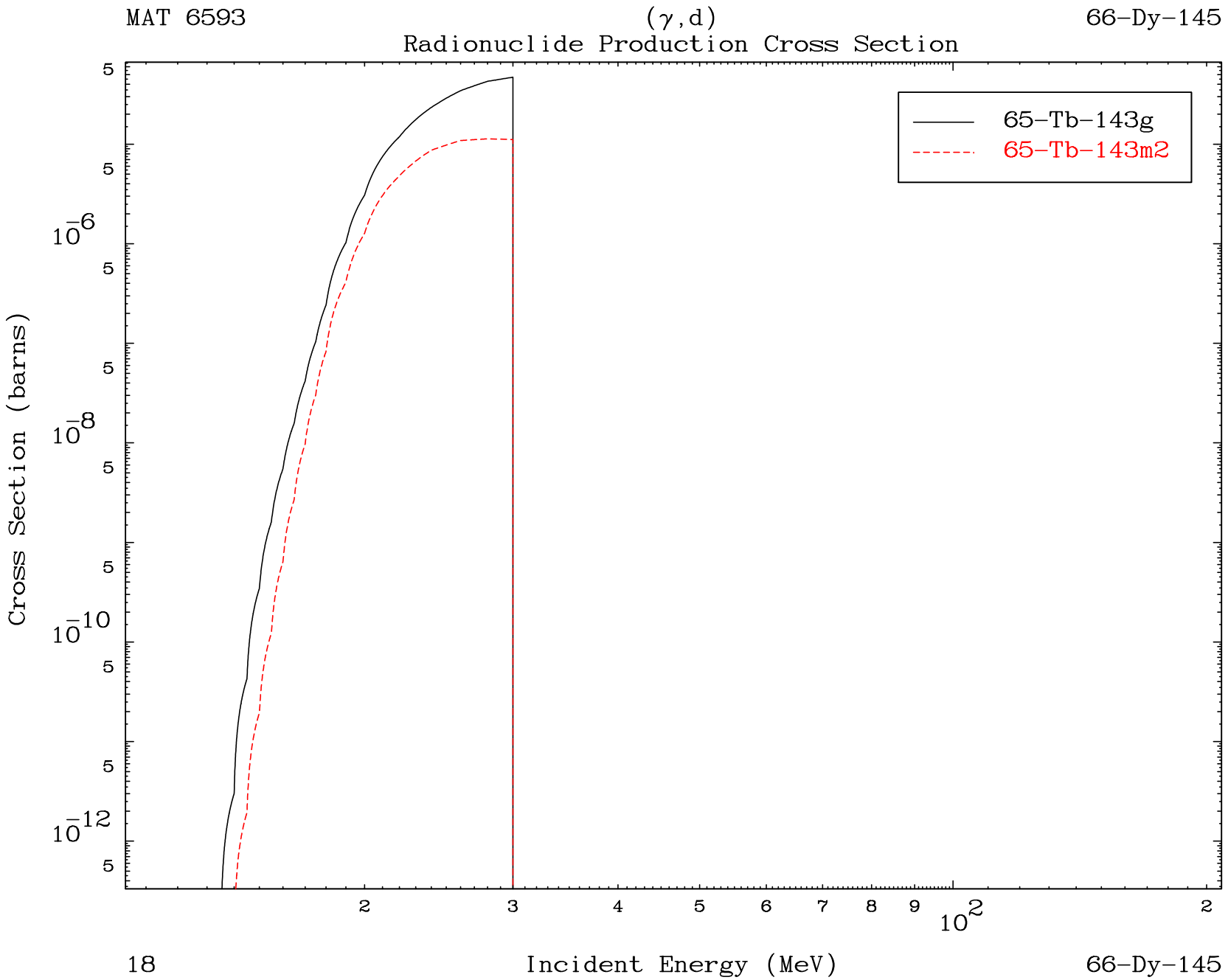

MAT 6593
(γ,n') p
66-Dy-145
Radionuclide Production Cross Section
65-Tb-143g
65-Tb-143m2
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
66-Dy-145

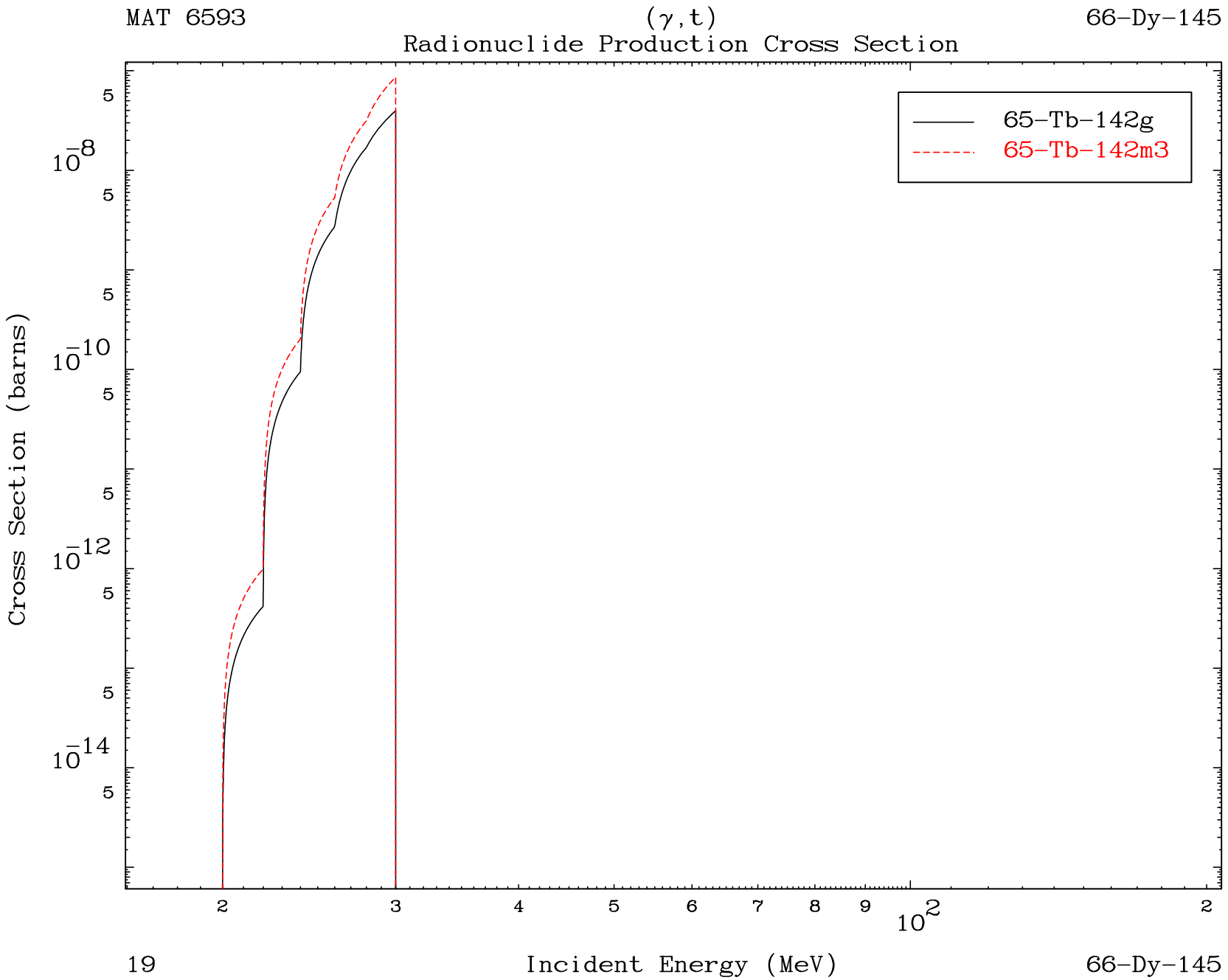

MAT 6593
(γ,n') d
66-Dy-145
Radionuclide Production Cross Section
65-Tb-142g
65-Tb-142m3
Cross Section (barns)
Incident Energy (MeV)
14
66-Dy-145

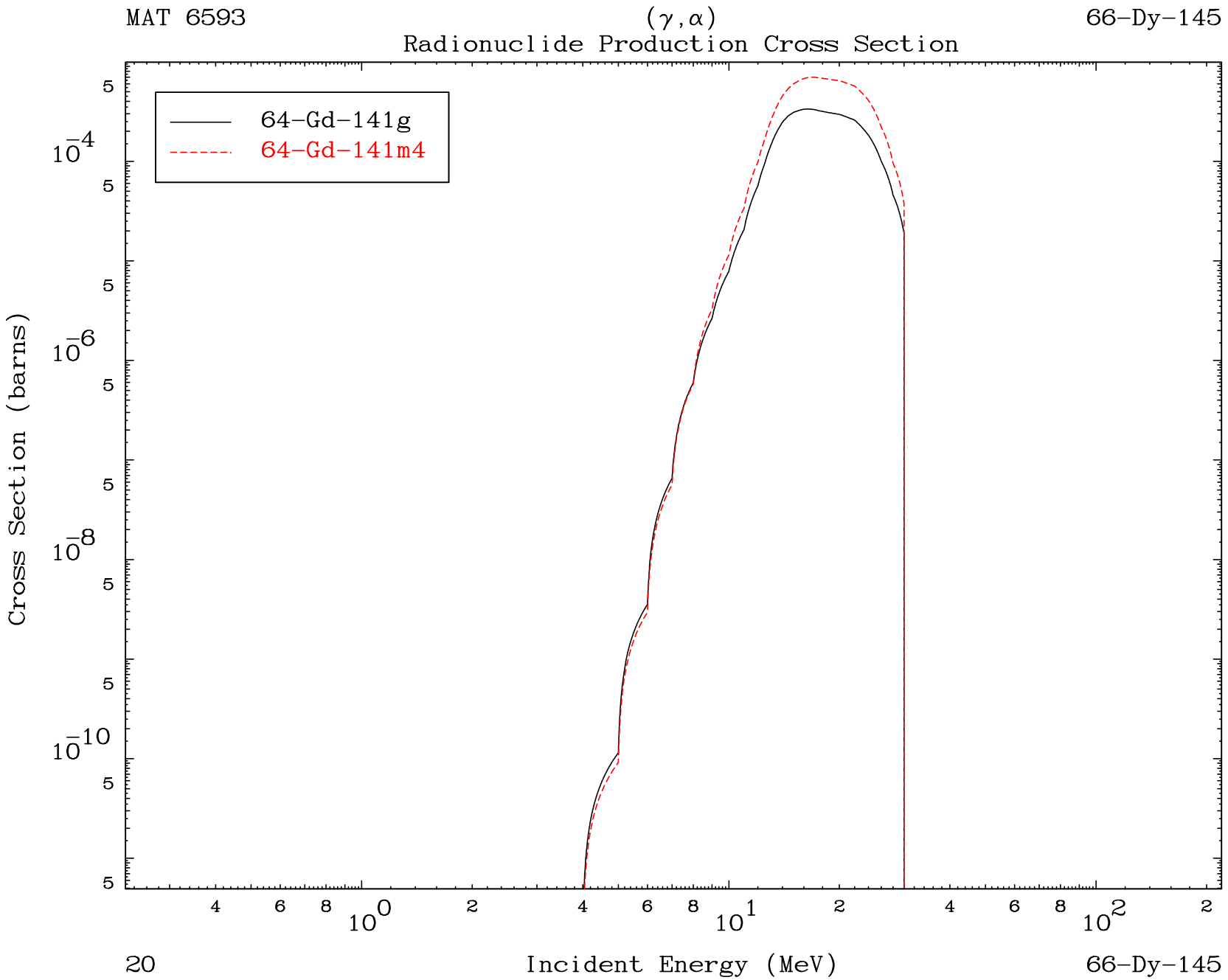

MAT 6593
(γ,2n) p
66-Dy-145
Radionuclide Production Cross Section
65-Tb-142g
65-Tb-142m3
Cross Section (barns)
10-6
10-7
10-8
10-9
5
3
4
5
6
7
8
9
10+2
2
15
Incident Energy (MeV)
66-Dy-145

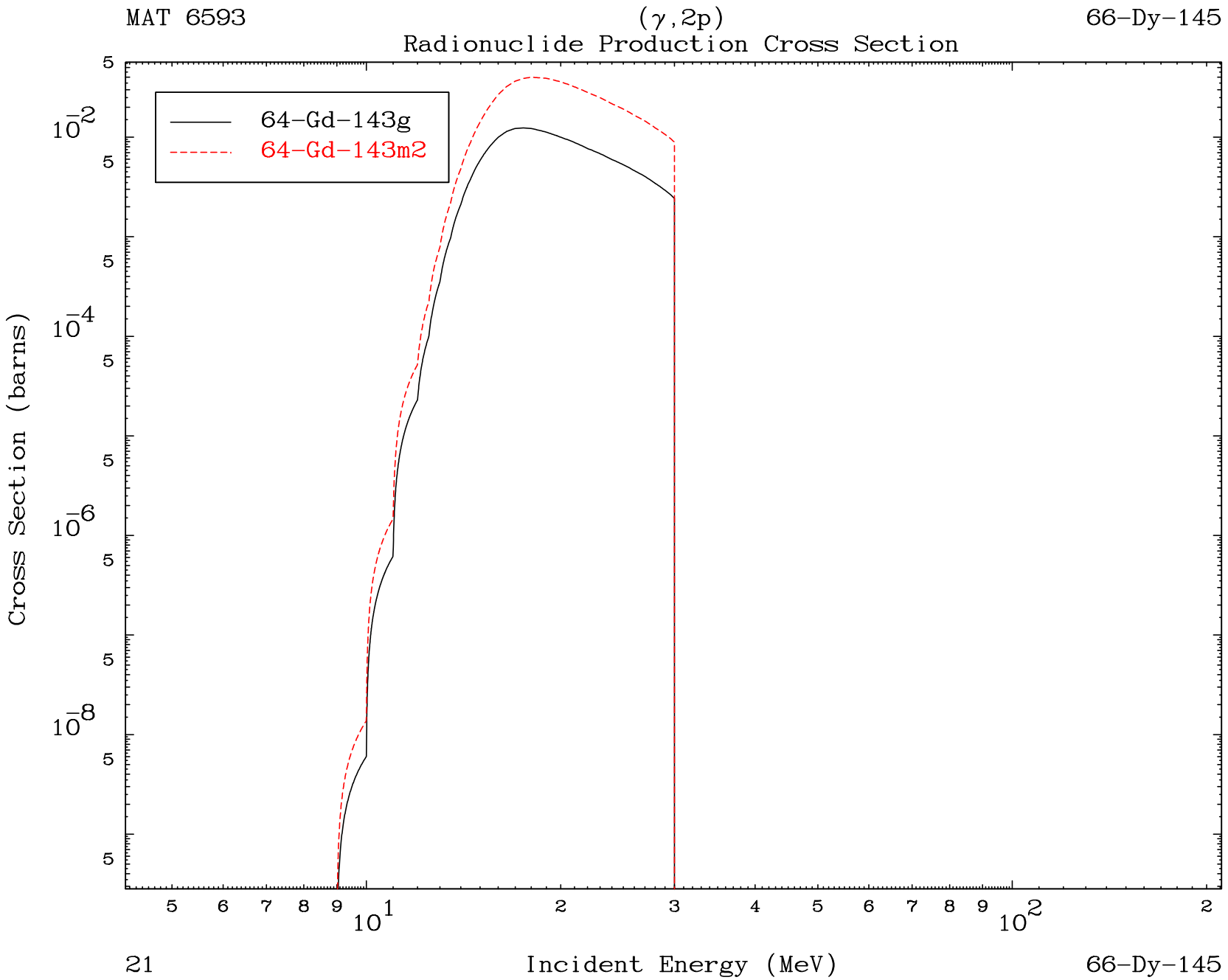

MAT 6593
(γ,γ)
66-Dy-145
Radionuclide Production Cross Section
66-Dy-145g
66-Dy-145m2
Cross Section (barns)
Incident Energy (MeV)
16
66-Dy-145

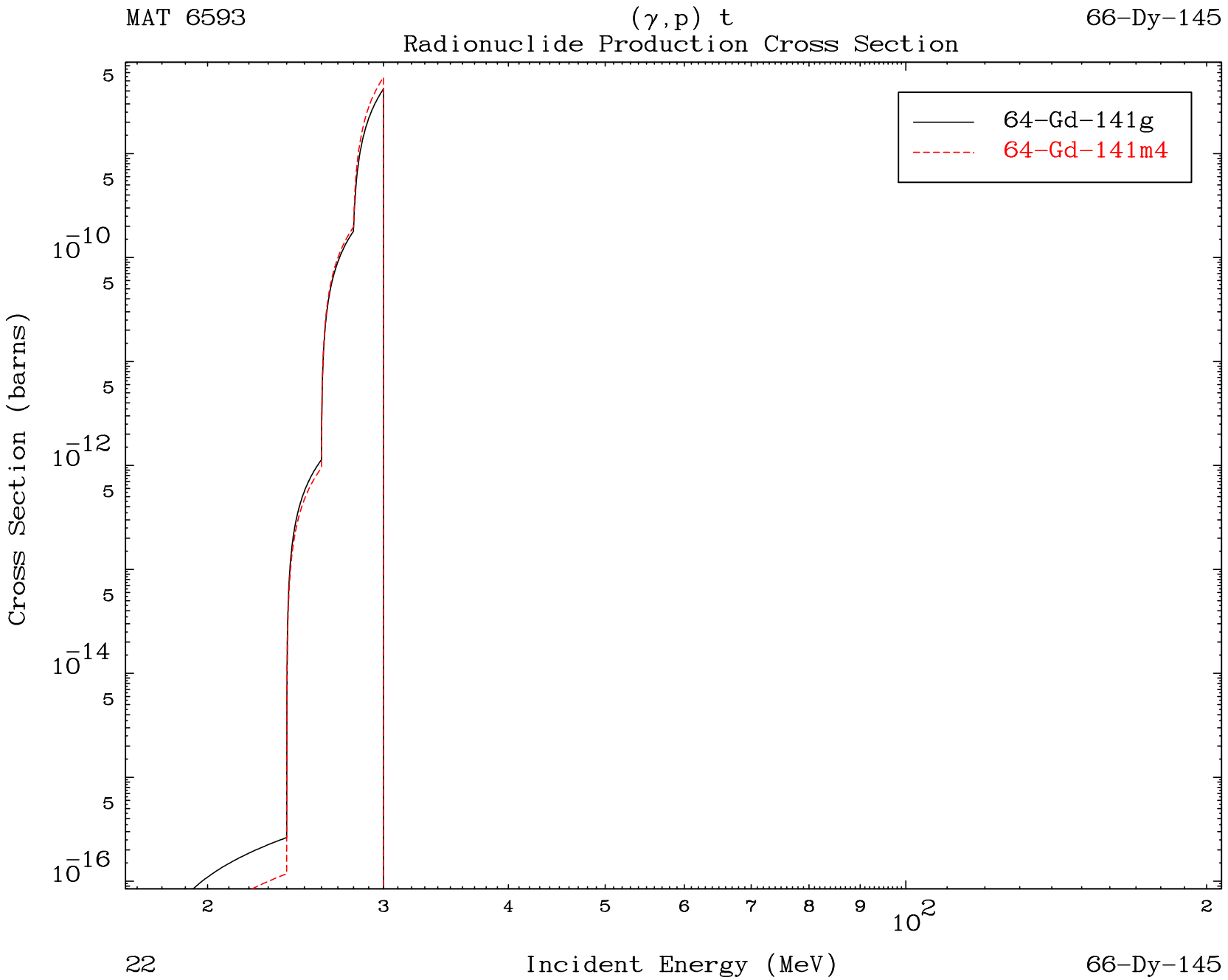

MAT 6593
(γ,p)
66-Dy-145
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
17
Incident Energy (MeV)
66-Dy-145


MAT 6593
(γ,d)
66-Dy-145
Radionuclide Production Cross Section
65-Tb-143g
65-Tb-143m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
66-Dy-145


MAT 6593
(γ,t)
66-Dy-145
Radionuclide Production Cross Section
65-Tb-142g
65-Tb-142m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
19
66-Dy-145


MAT 6593
(γ,α)
66-Dy-145
Radionuclide Production Cross Section
64-Gd-141g
64-Gd-141m4
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
20
66-Dy-145


MAT 6593
(γ,2p)
66-Dy-145
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
21
66-Dy-145


MAT 6593
(γ,p) t
66-Dy-145
Radionuclide Production Cross Section
64-Gd-141g
64-Gd-141m4
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
22
66-Dy-145