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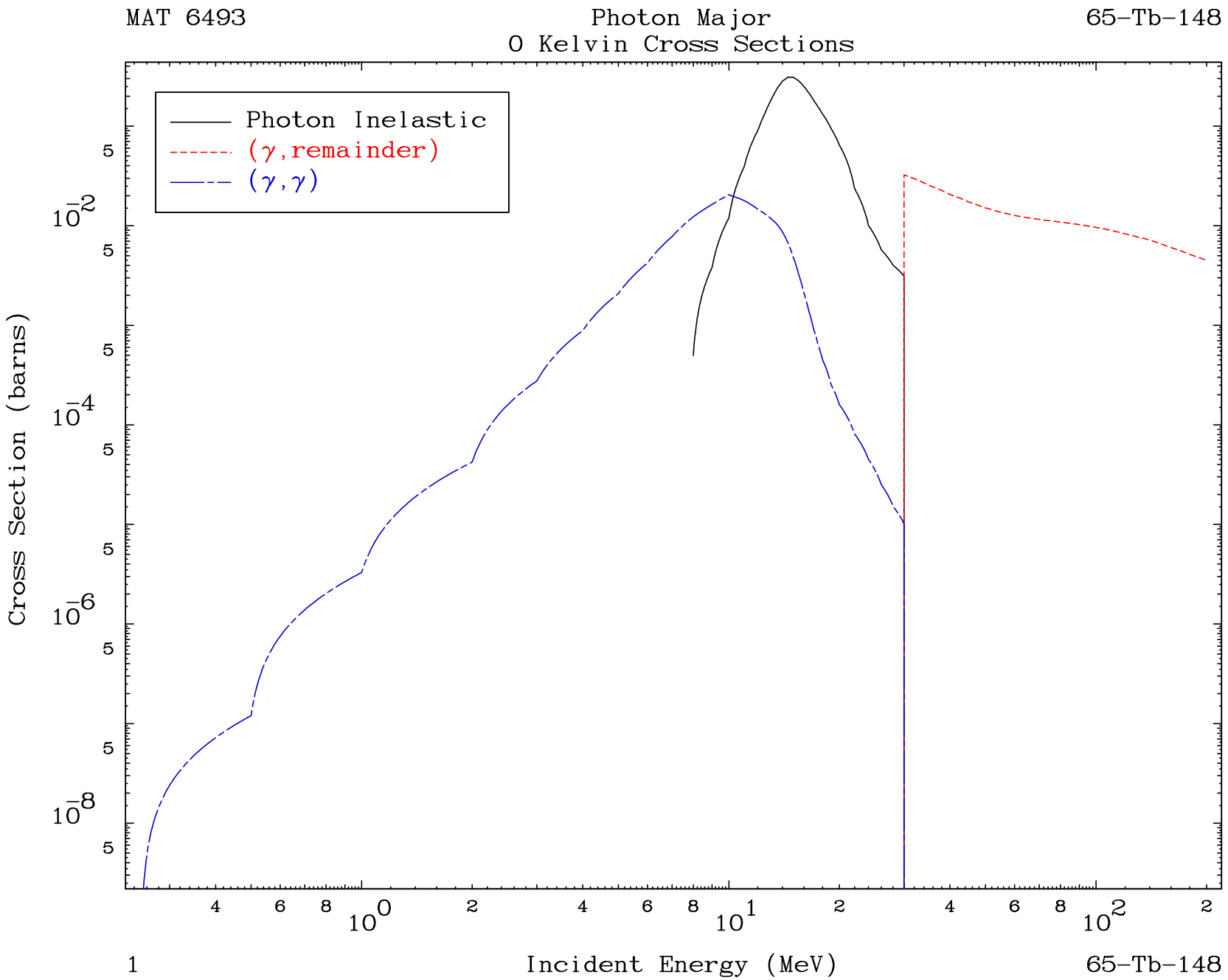
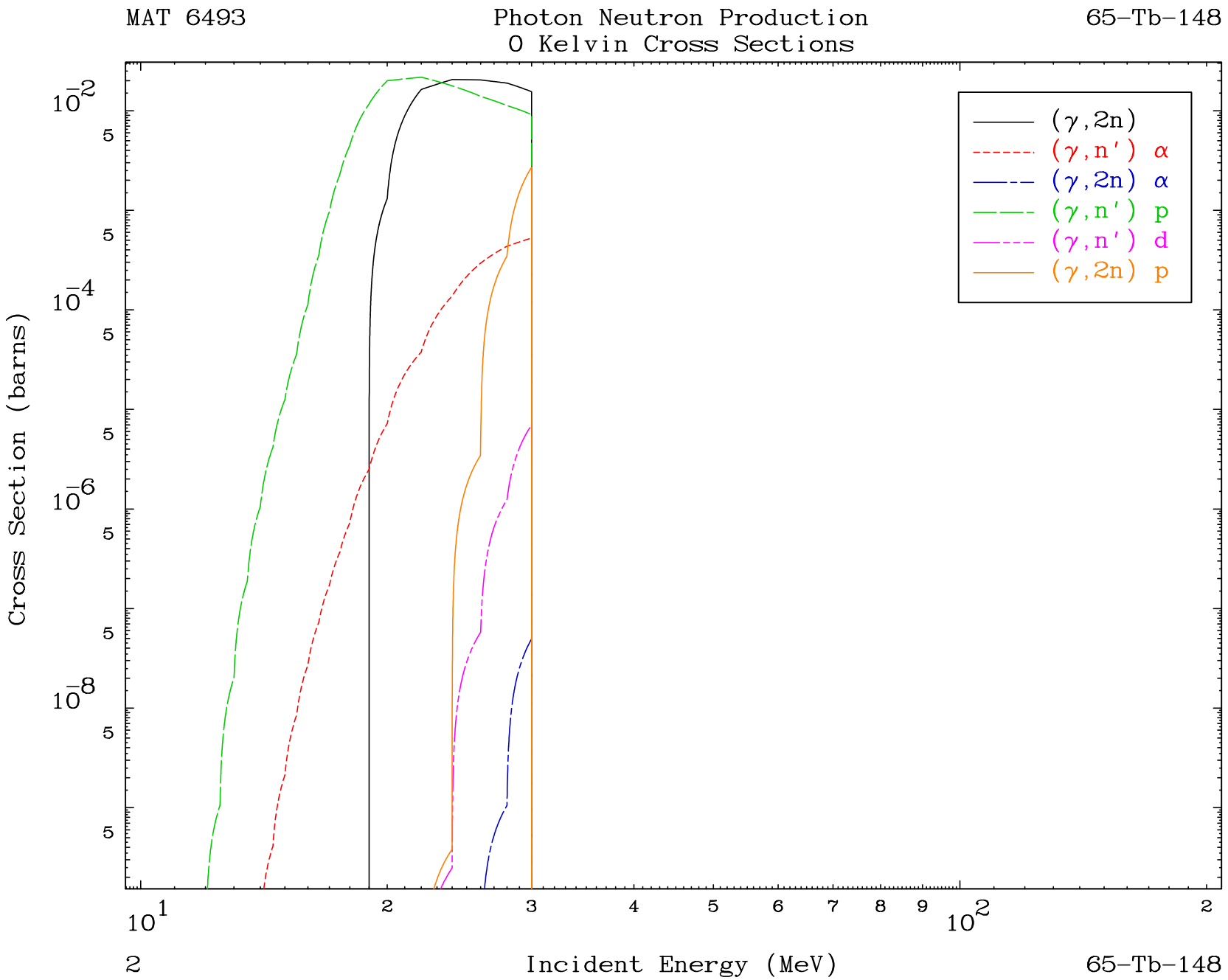
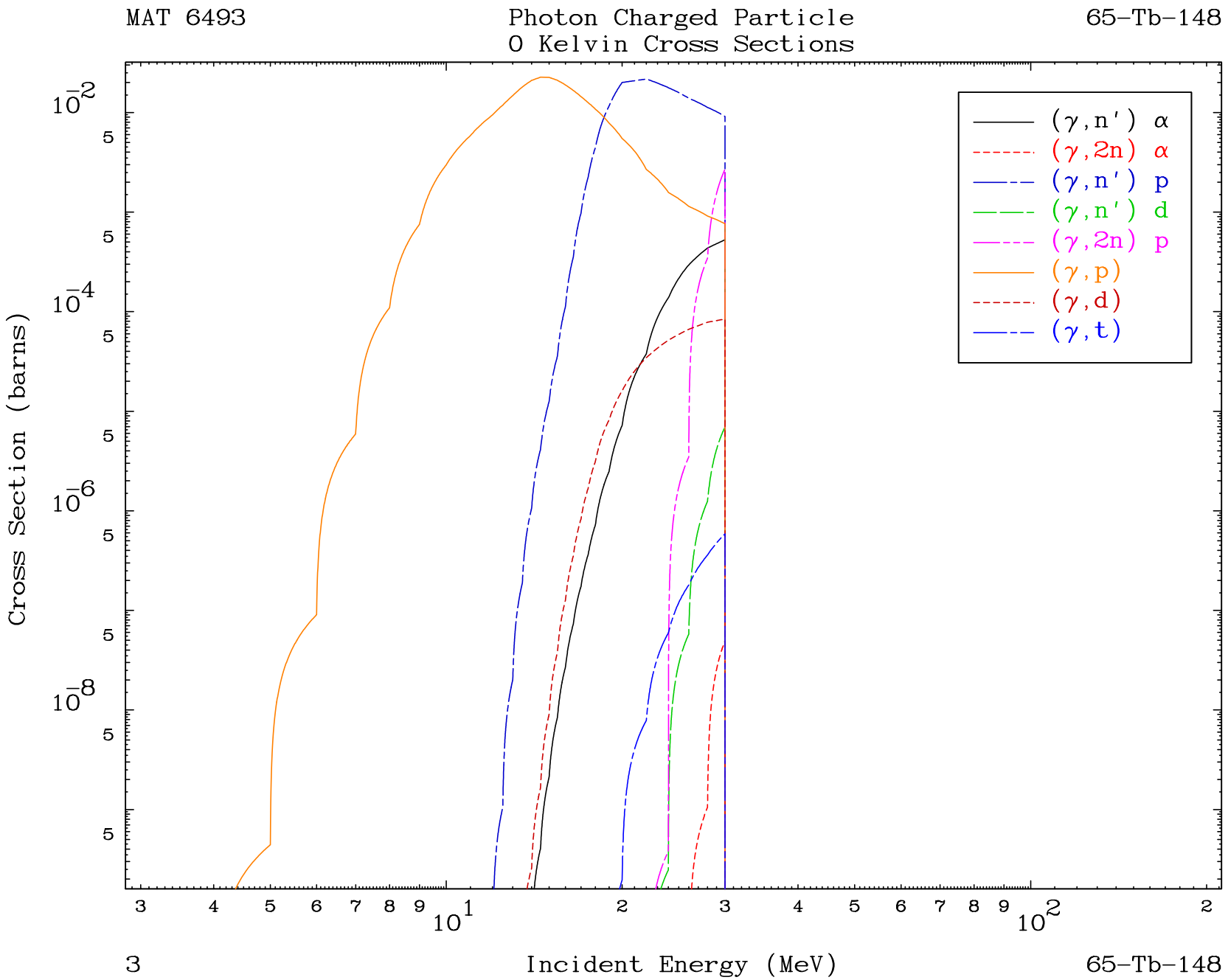
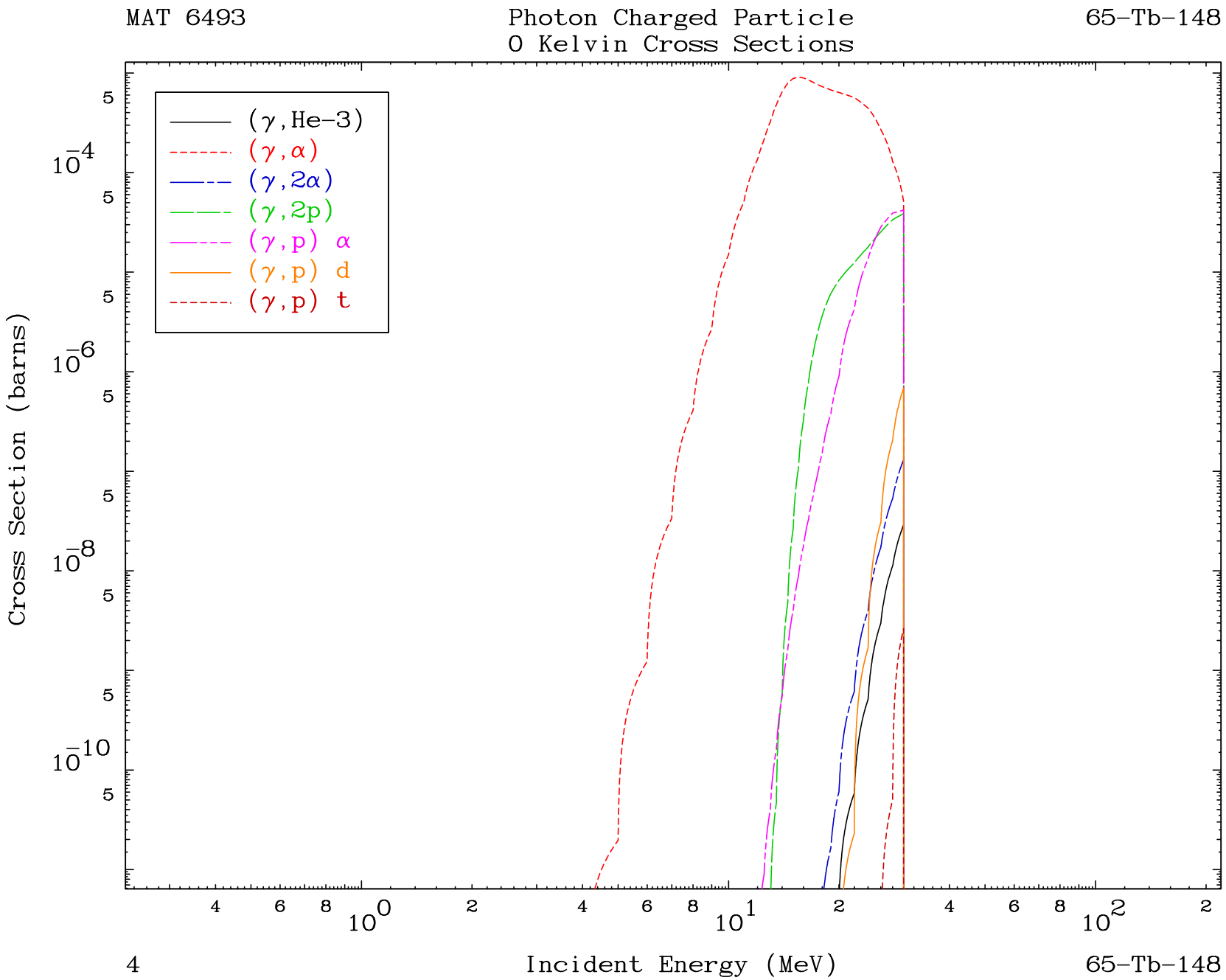
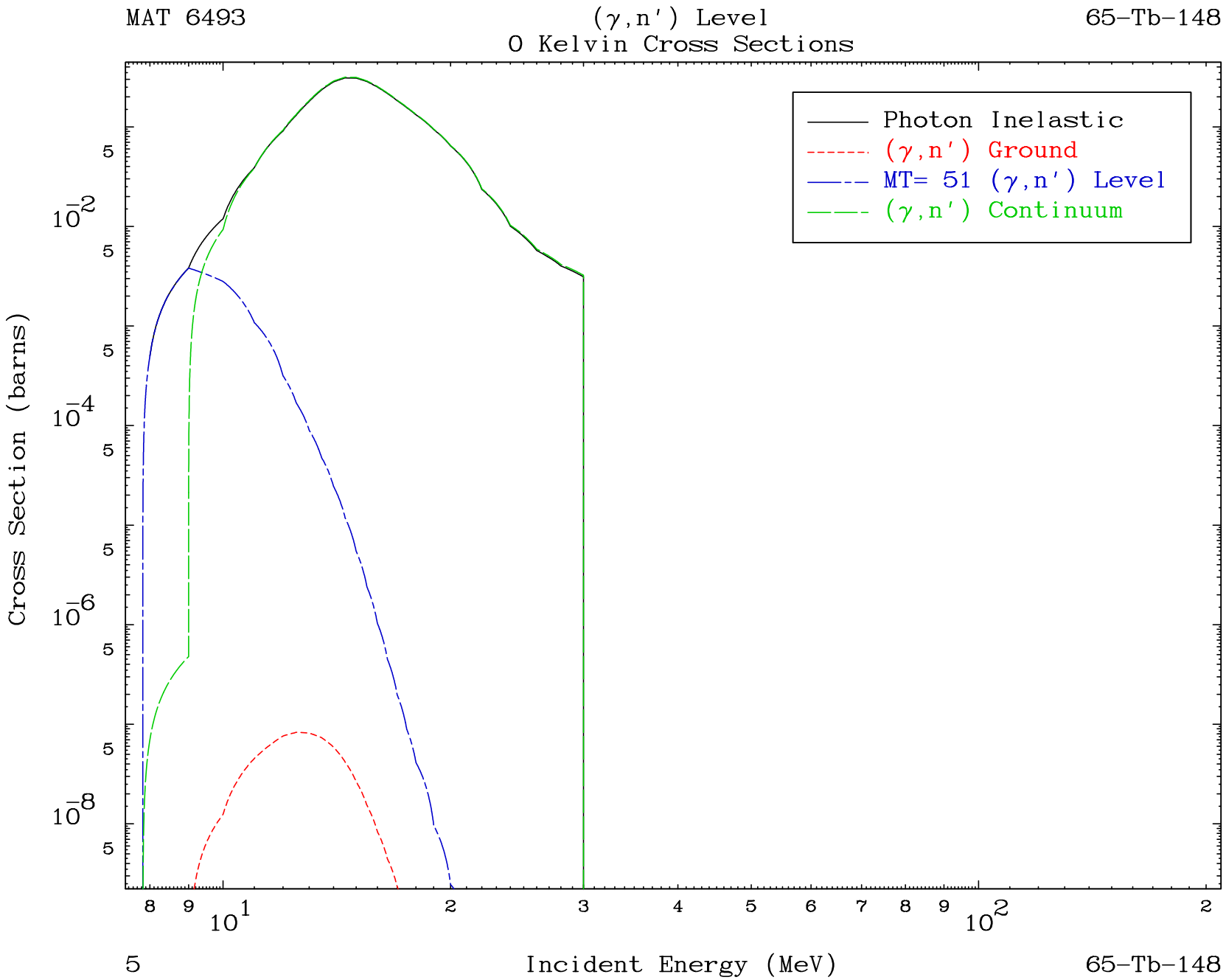
Press Mouse Button to Start

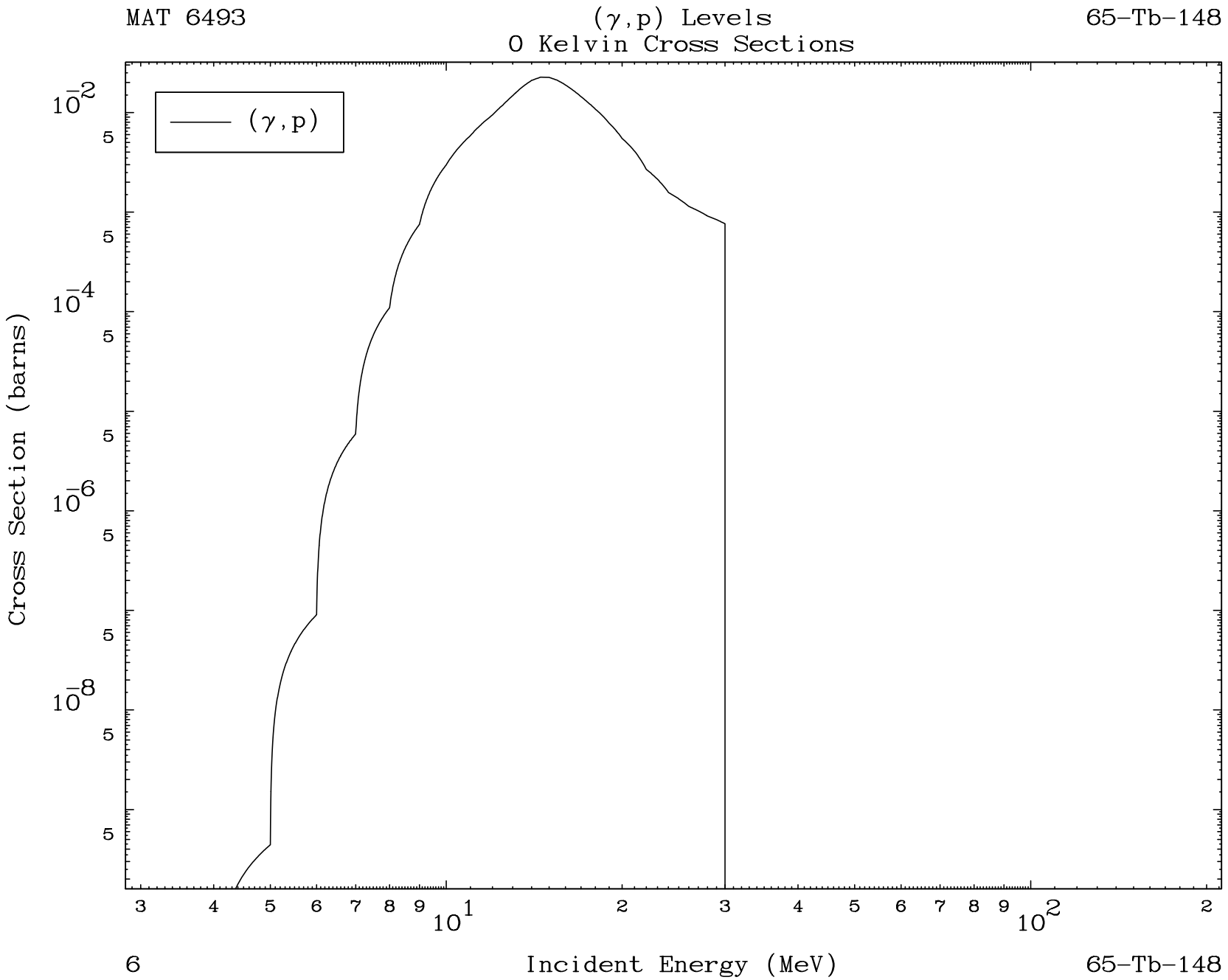

MAT 6493
Photon Major
65-Tb-148
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-148
1

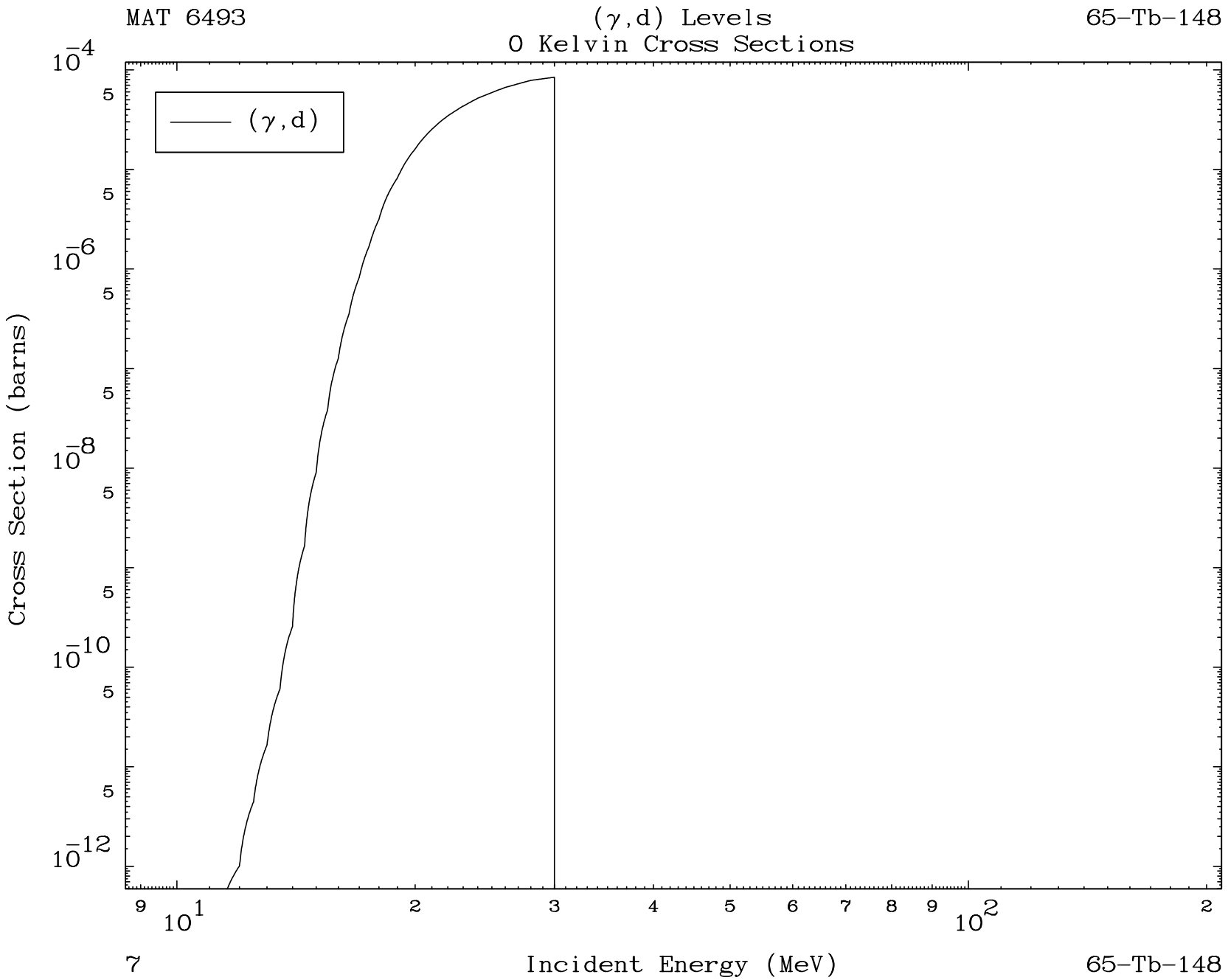

MAT 6493
Photon Neutron Production
0 Kelvin Cross Sections
65-Tb-148
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-148

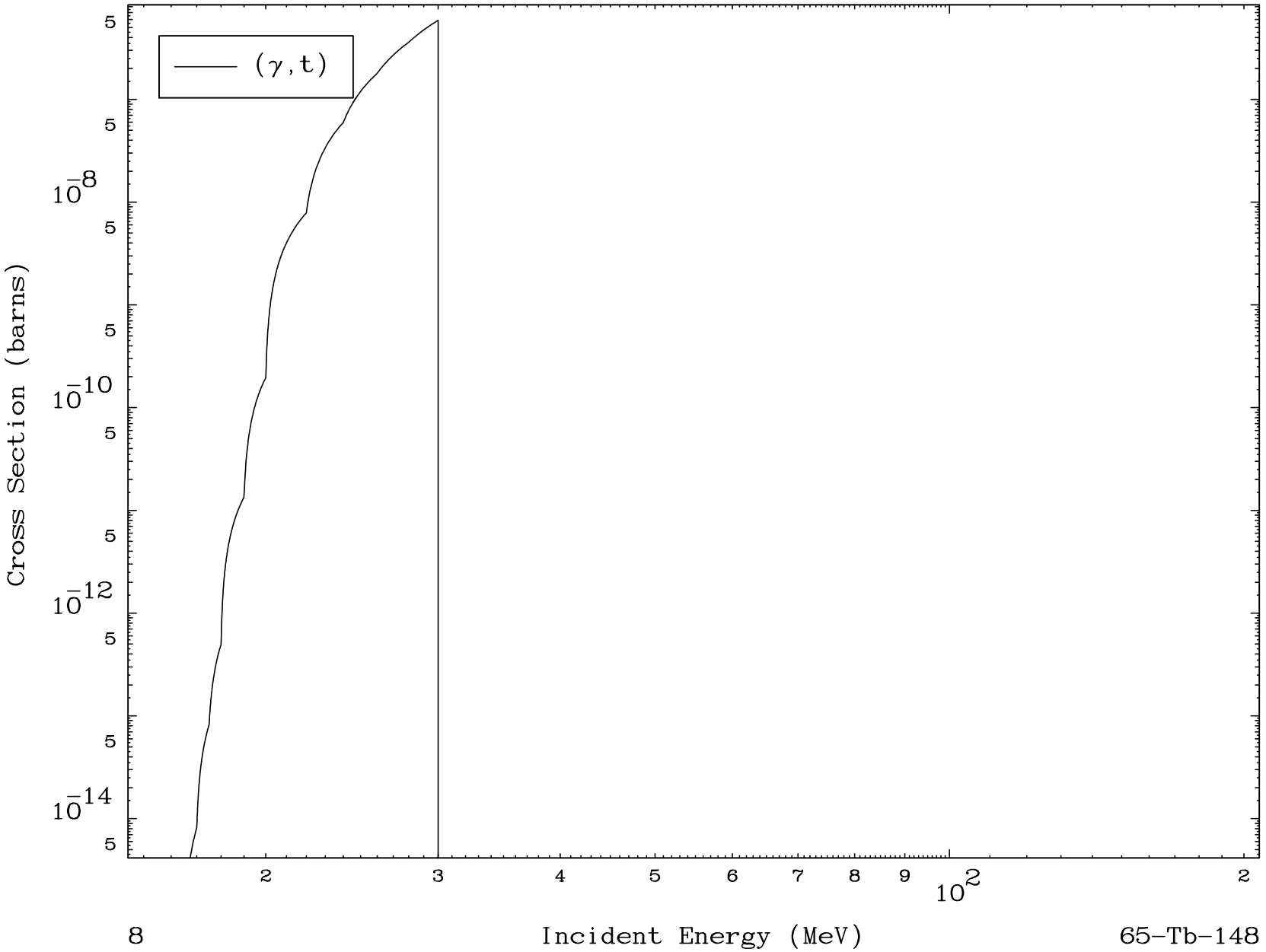

MAT 6493
Photon Charged Particle
0 Kelvin Cross Sections
65-Tb-148
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
65-Tb-148
3

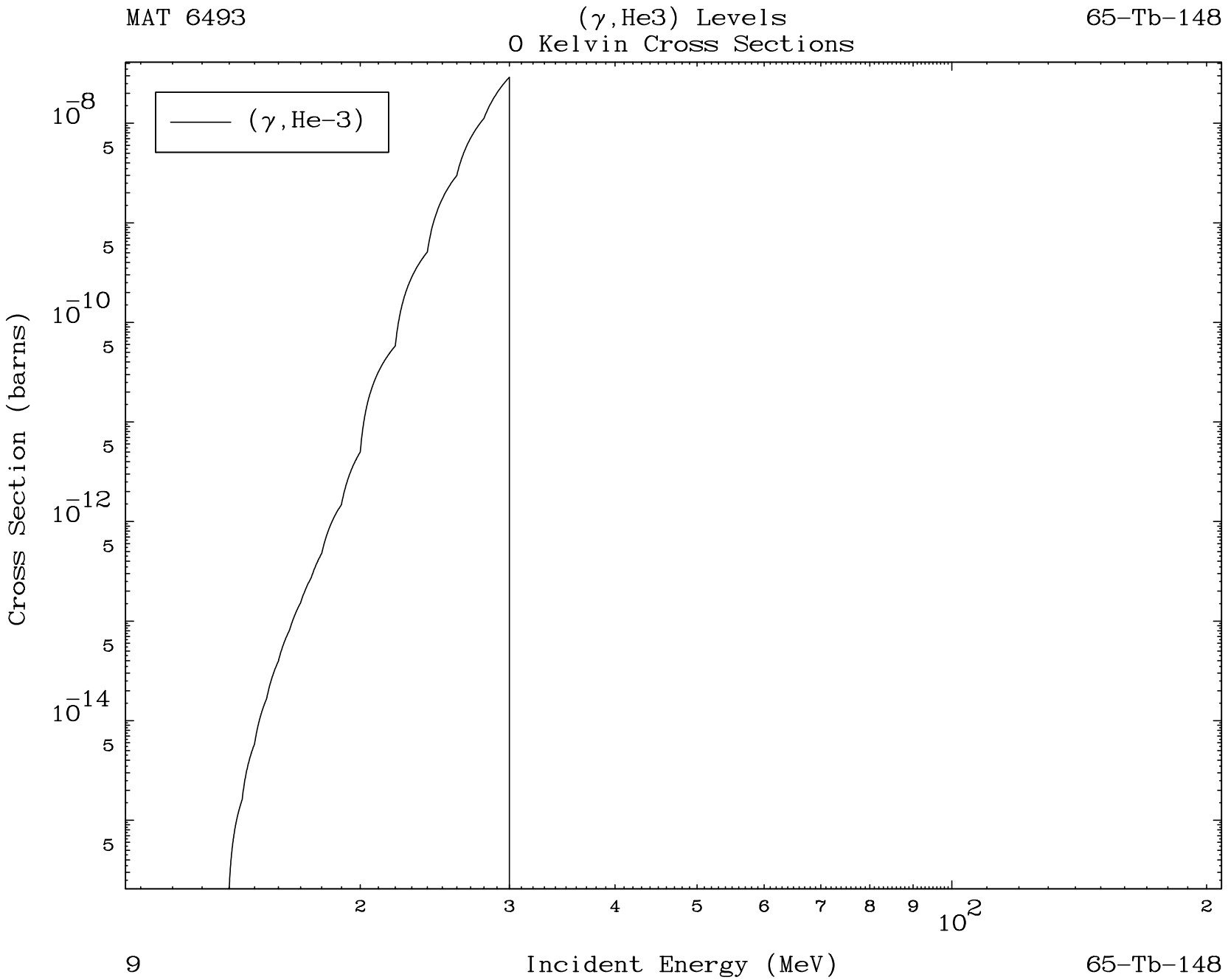

MAT 6493
Photon Charged Particle
0 Kelvin Cross Sections
65-Tb-148
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
65-Tb-148

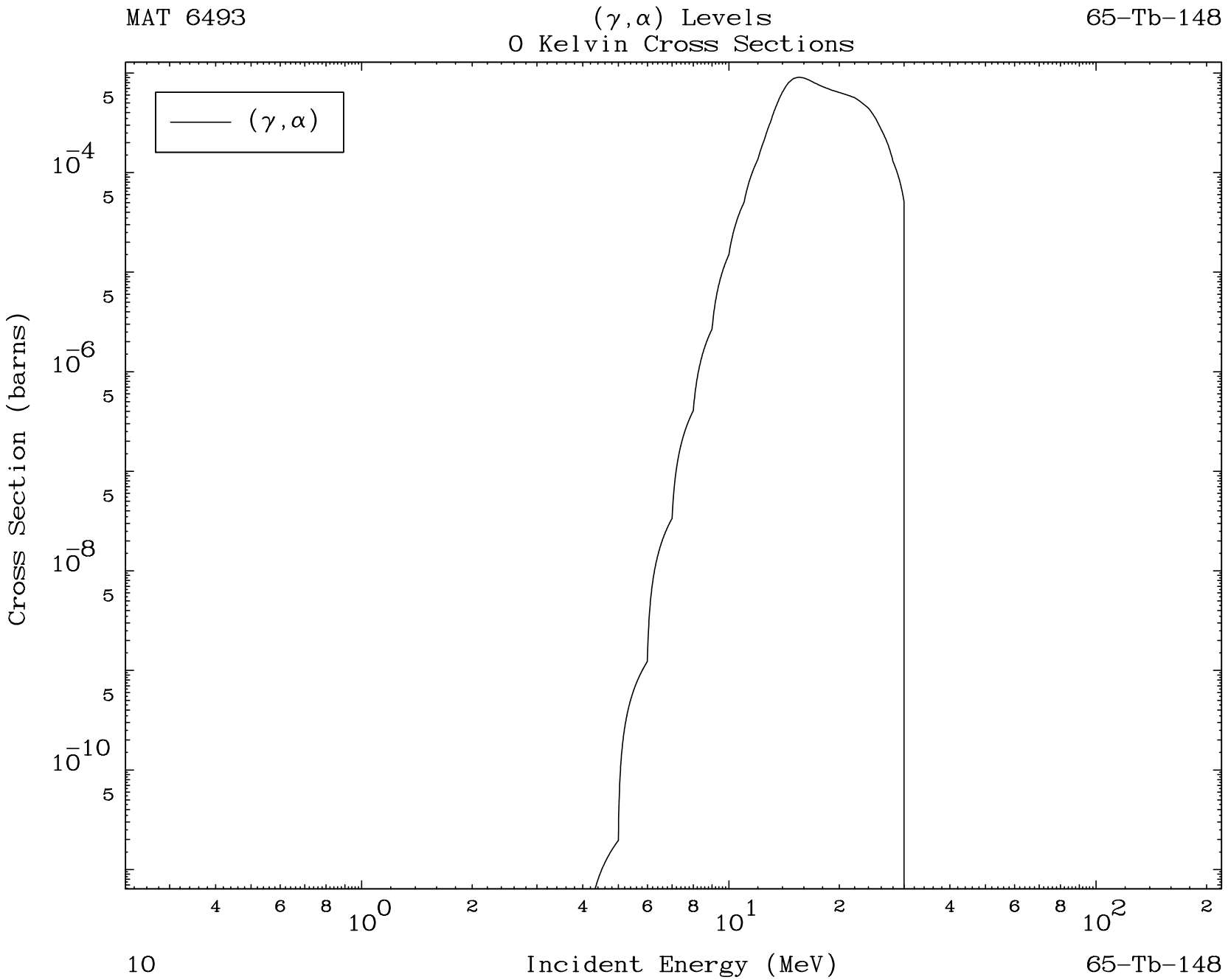

MAT 6493
(γ,n') Level
65-Tb-148
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
65-Tb-148

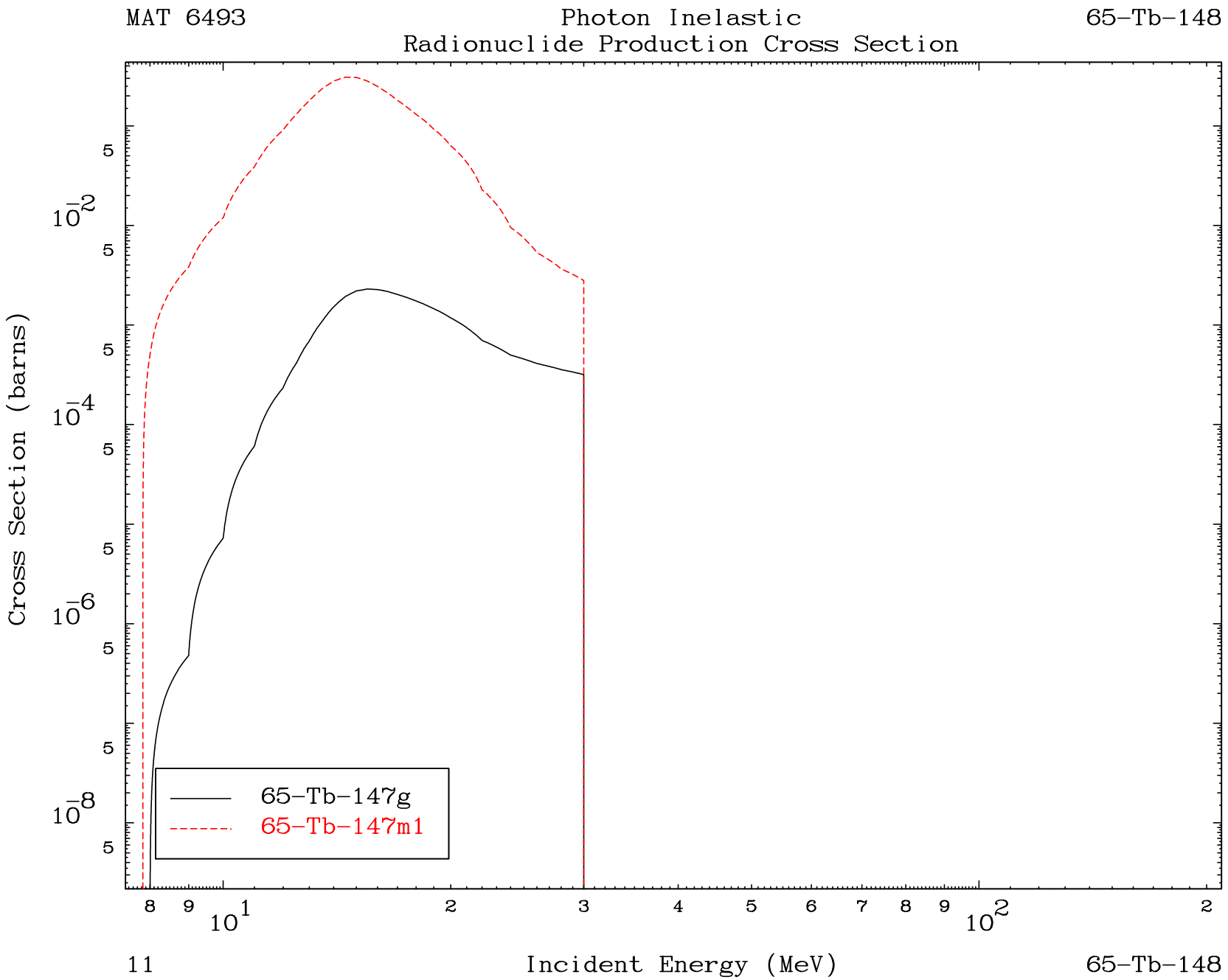

MAT 6493
(γ,p) Levels
65-Tb-148
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
65-Tb-148

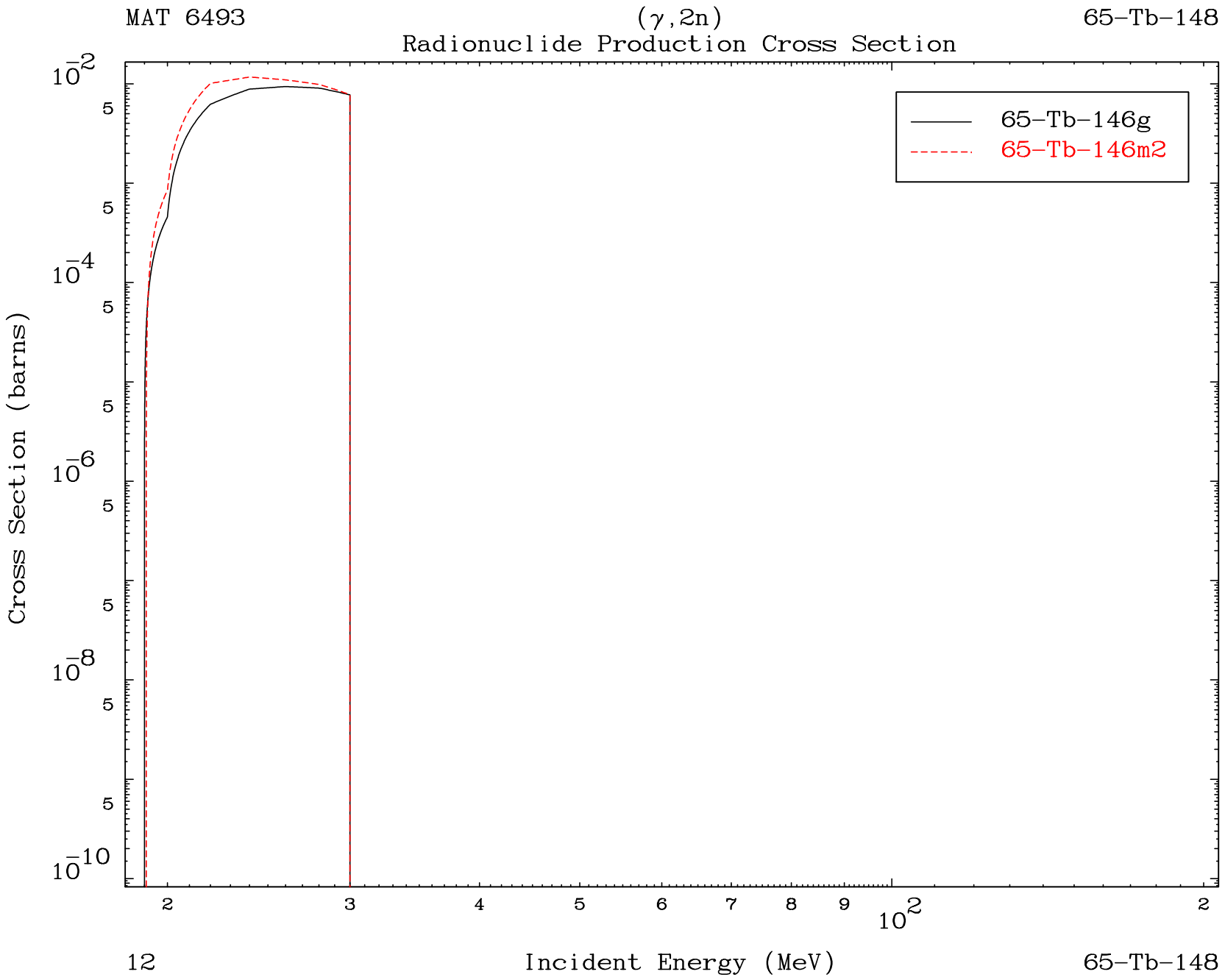

MAT 6493
(γ,d) Levels
65-Tb-148
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
65-Tb-148
7

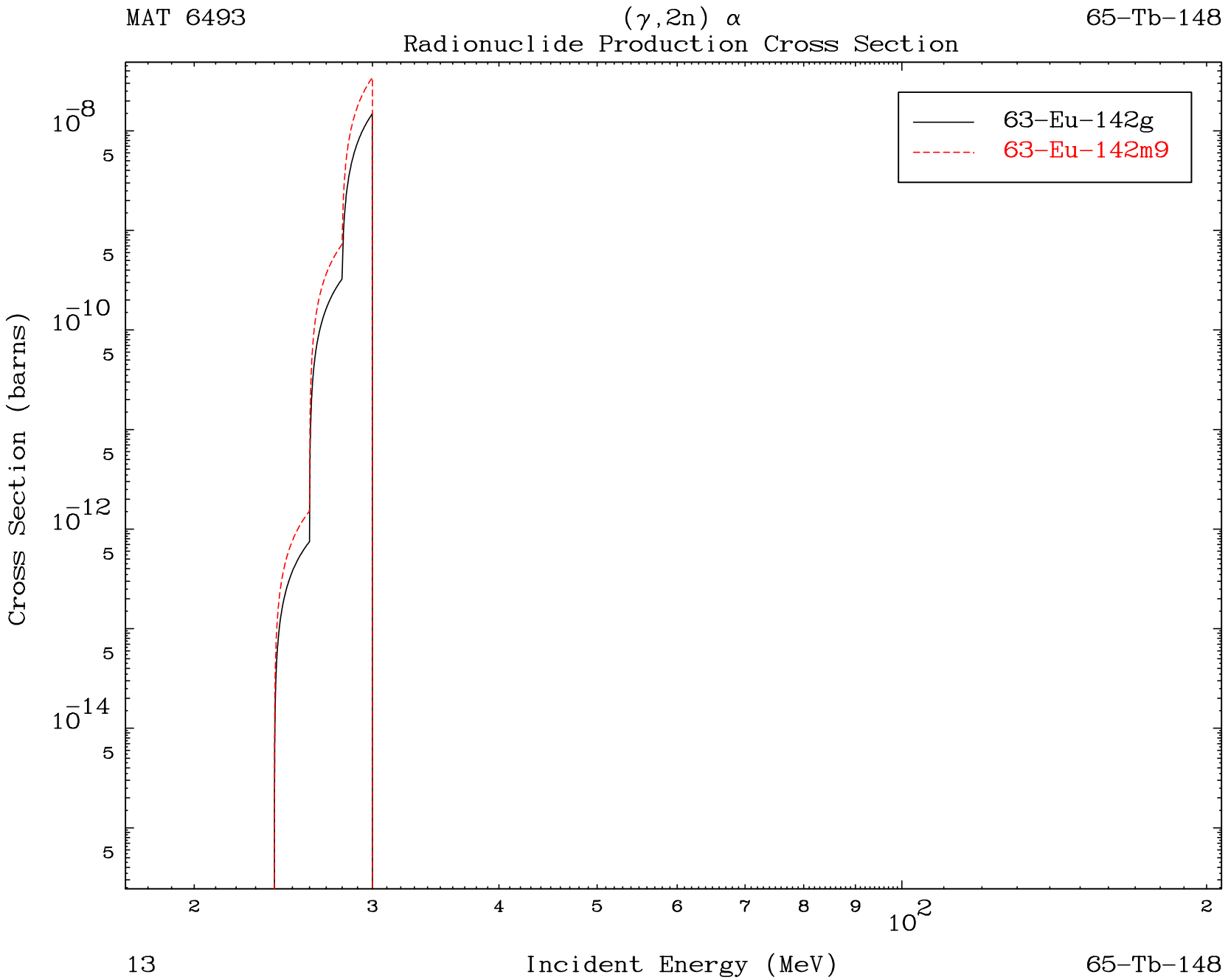

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

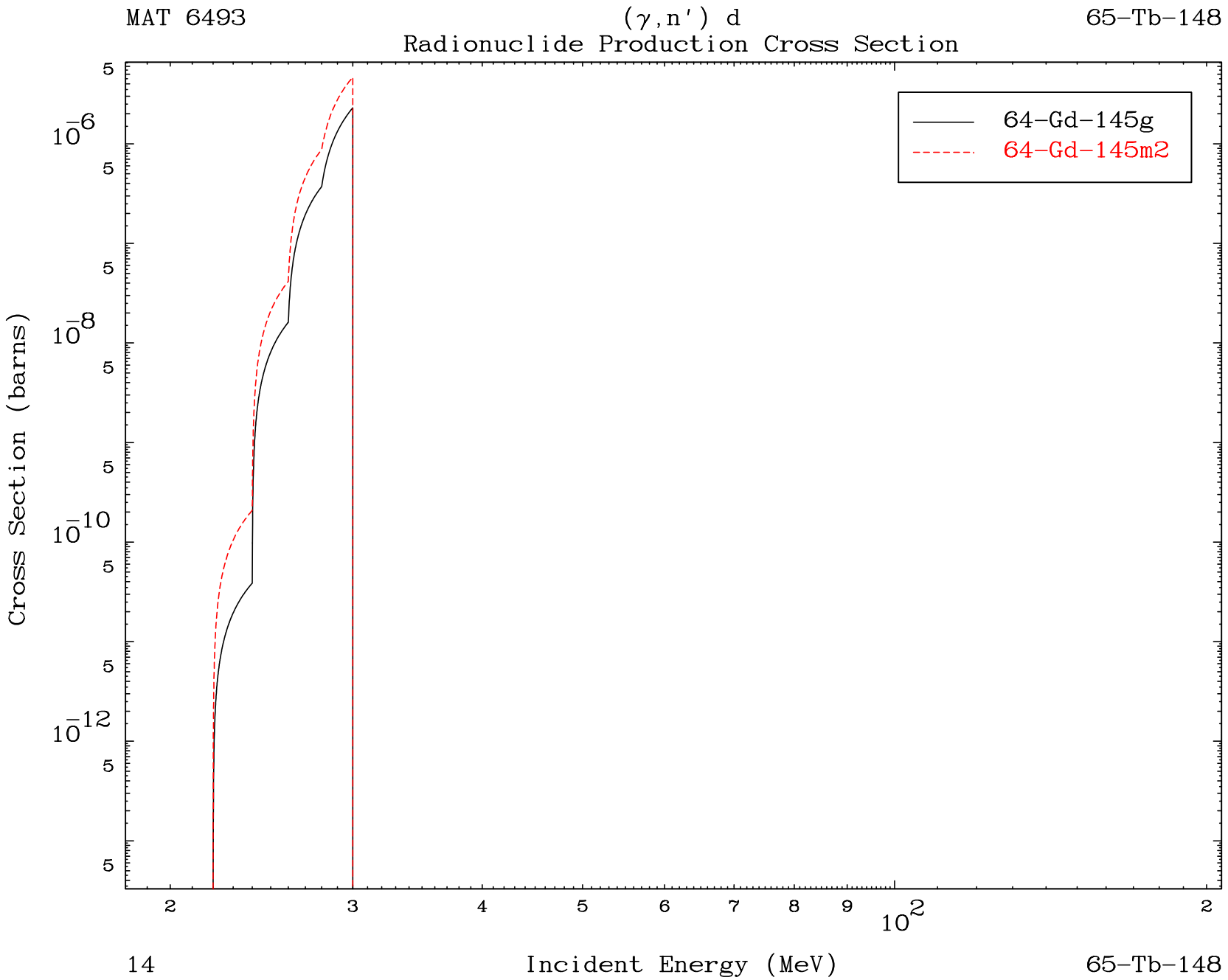

MAT 6493
(γ,He3) Levels
65-Tb-148
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
65-Tb-148

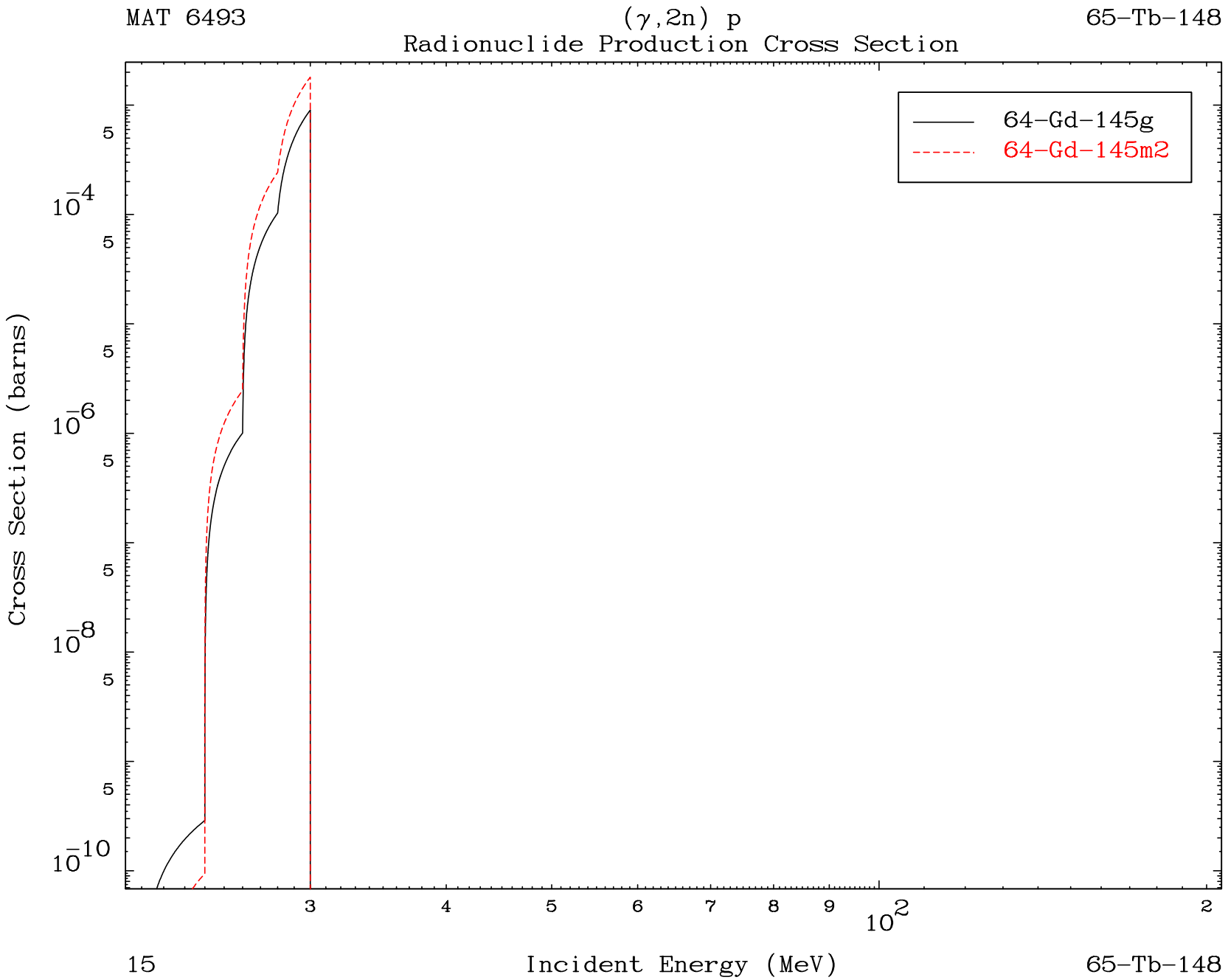

MAT 6493
(γ,α) Levels
65-Tb-148
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
65-Tb-148

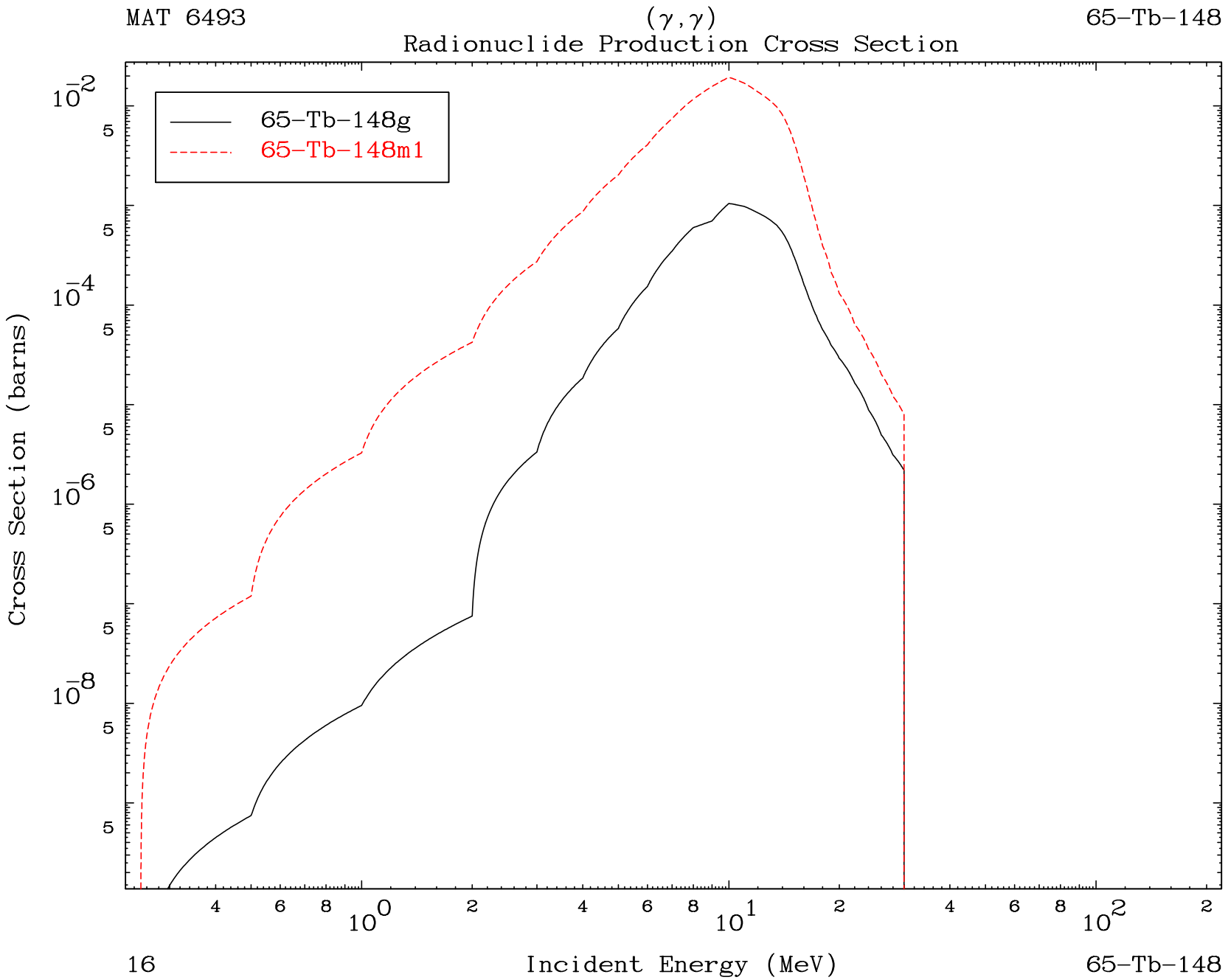

MAT 6493
Photon Inelastic
65-Tb-148
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
65-Tb-147g
65-Tb-147m1
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
11
Incident Energy (MeV)
65-Tb-148

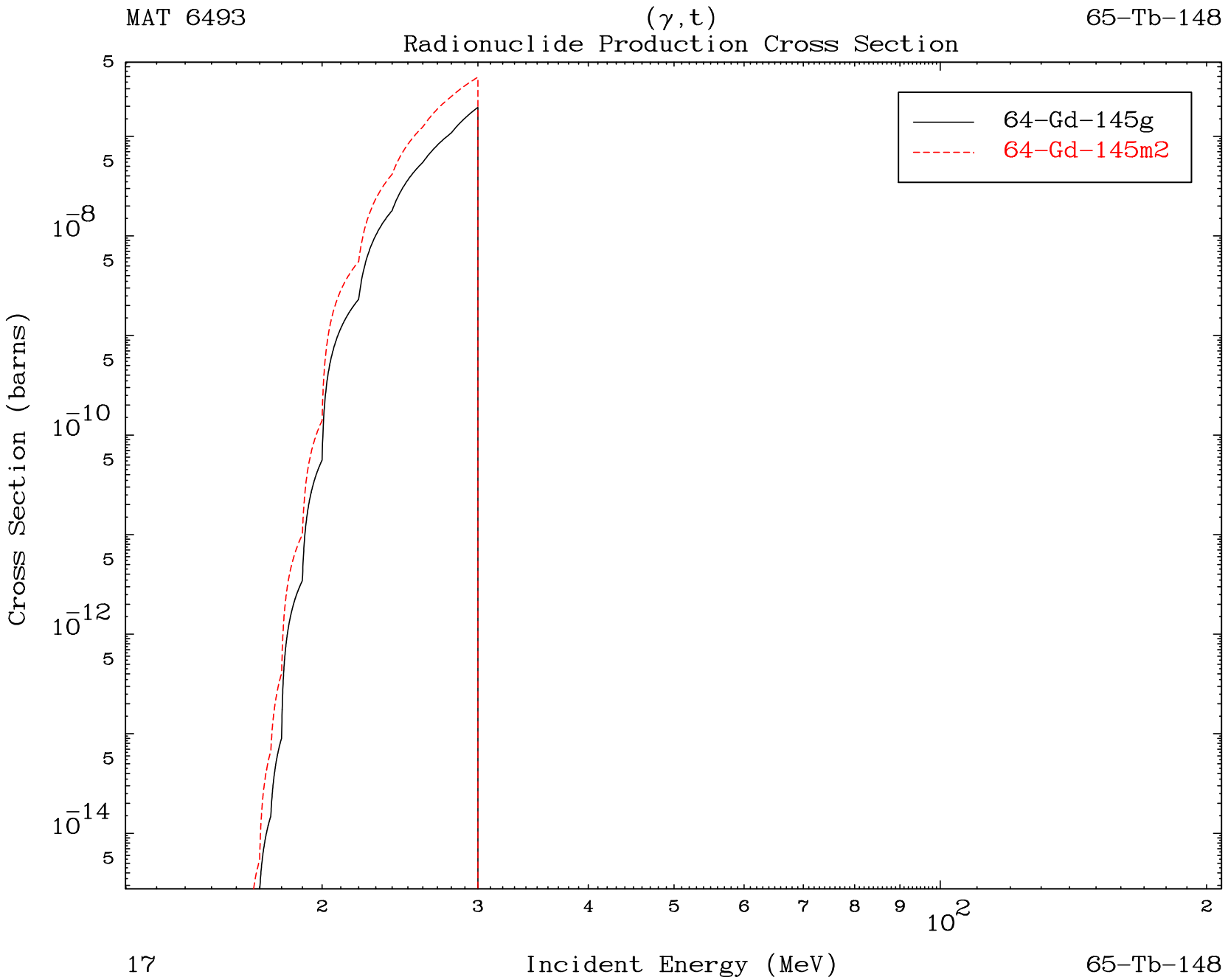

MAT 6493
(γ,2n)
65-Tb-148
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
65-Tb-148

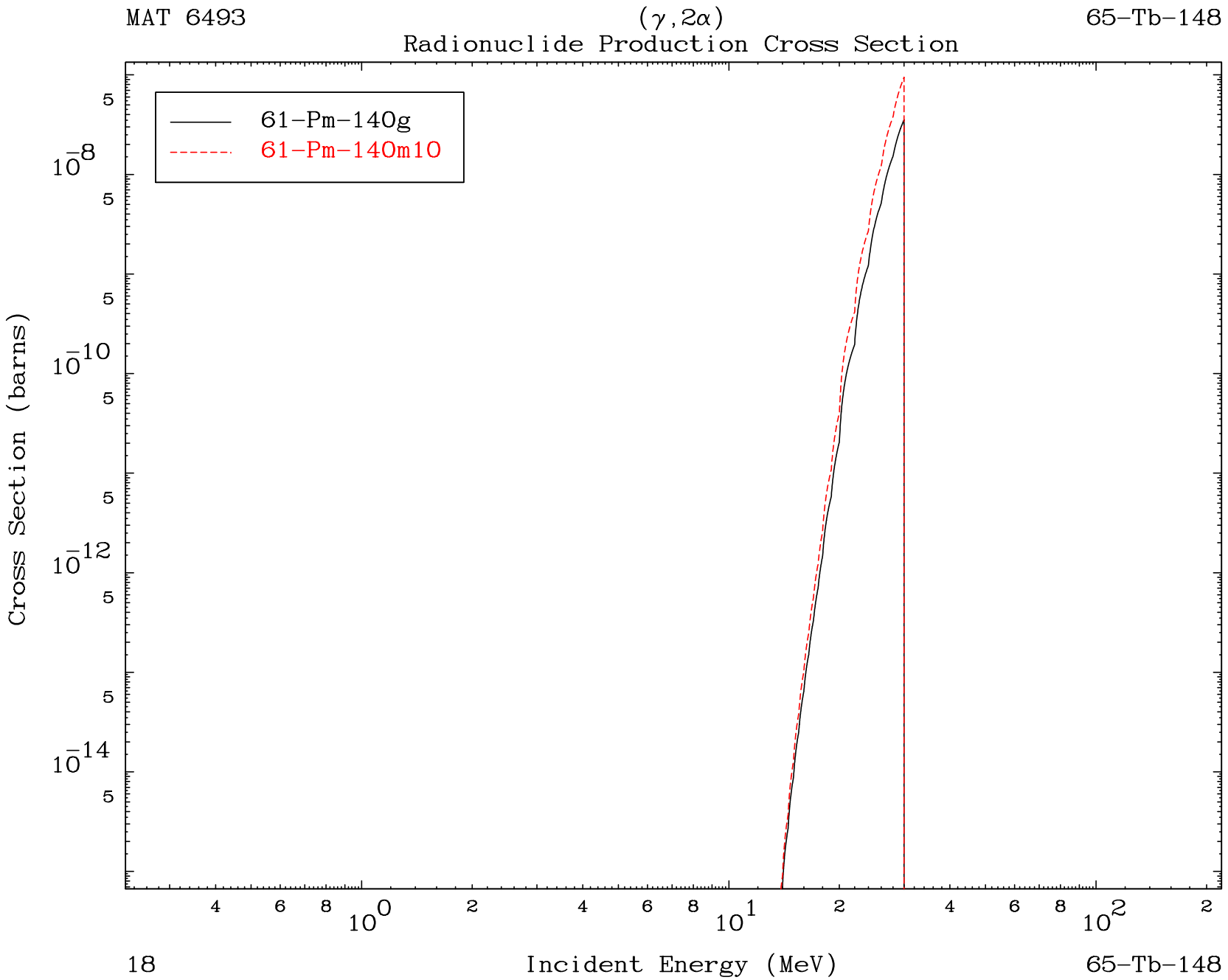

MAT 6493
(γ,2n) α
65-Tb-148
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
65-Tb-148

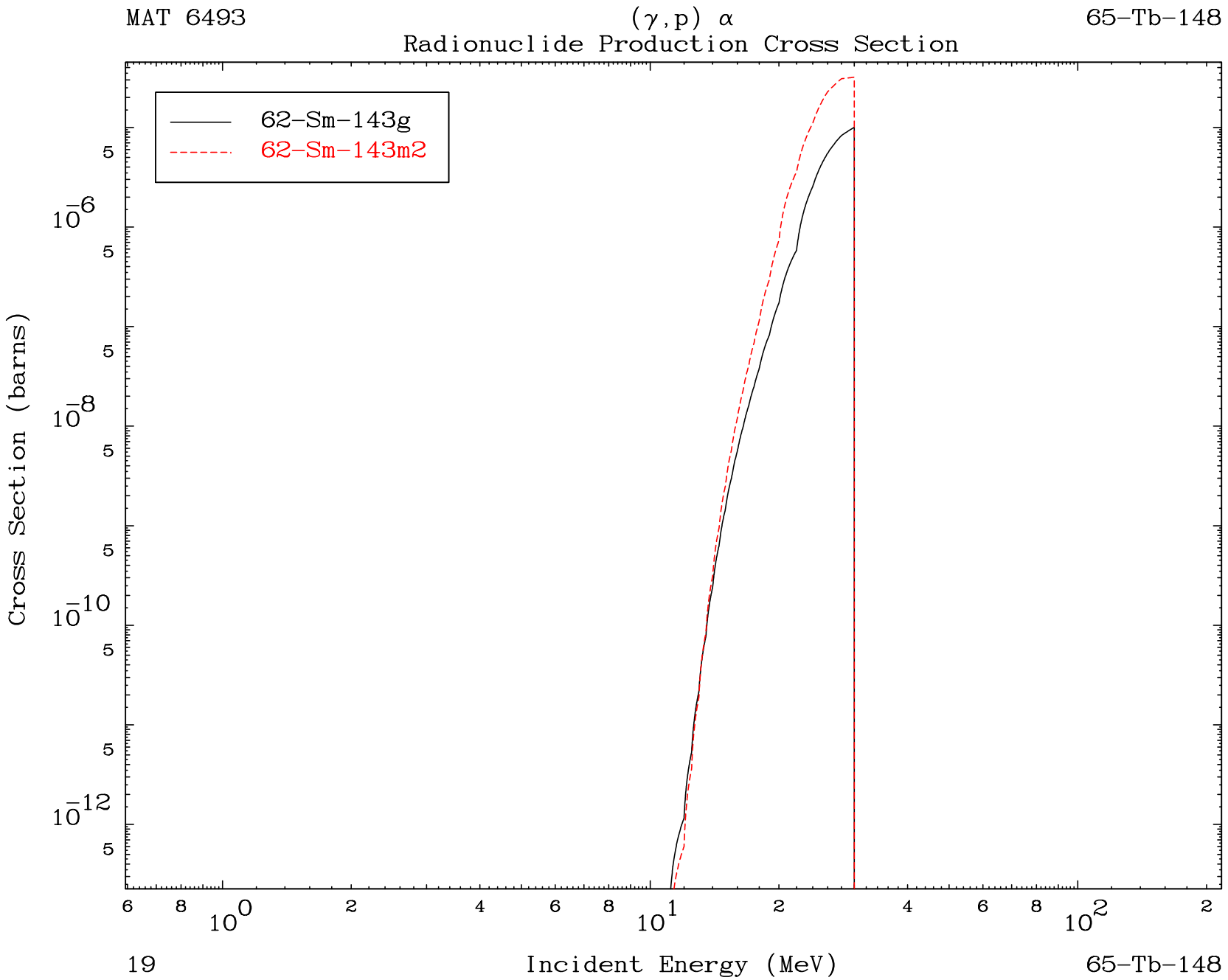

MAT 6493
(γ,n') d
65-Tb-148
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
65-Tb-148


MAT 6493
(γ,2n) p
65-Tb-148
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
65-Tb-148


MAT 6493
(γ,γ)
65-Tb-148
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-148


MAT 6493
(γ,t)
65-Tb-148
Radionuclide Production Cross Section
64-Gd-145g
64-Gd-145m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
65-Tb-148


MAT 6493
(γ,2α)
65-Tb-148
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
10^1
10^2
2
4
6
8
Incident Energy (MeV)
18
65-Tb-148


MAT 6493
(γ,p) α
65-Tb-148
Radionuclide Production Cross Section
62-Sm-143g
62-Sm-143m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
6
8
100
2
4
6
8
101
2
4
6
8
102
2
19
Incident Energy (MeV)
65-Tb-148