Program EVALPLOT
(Version 2021-1)
by
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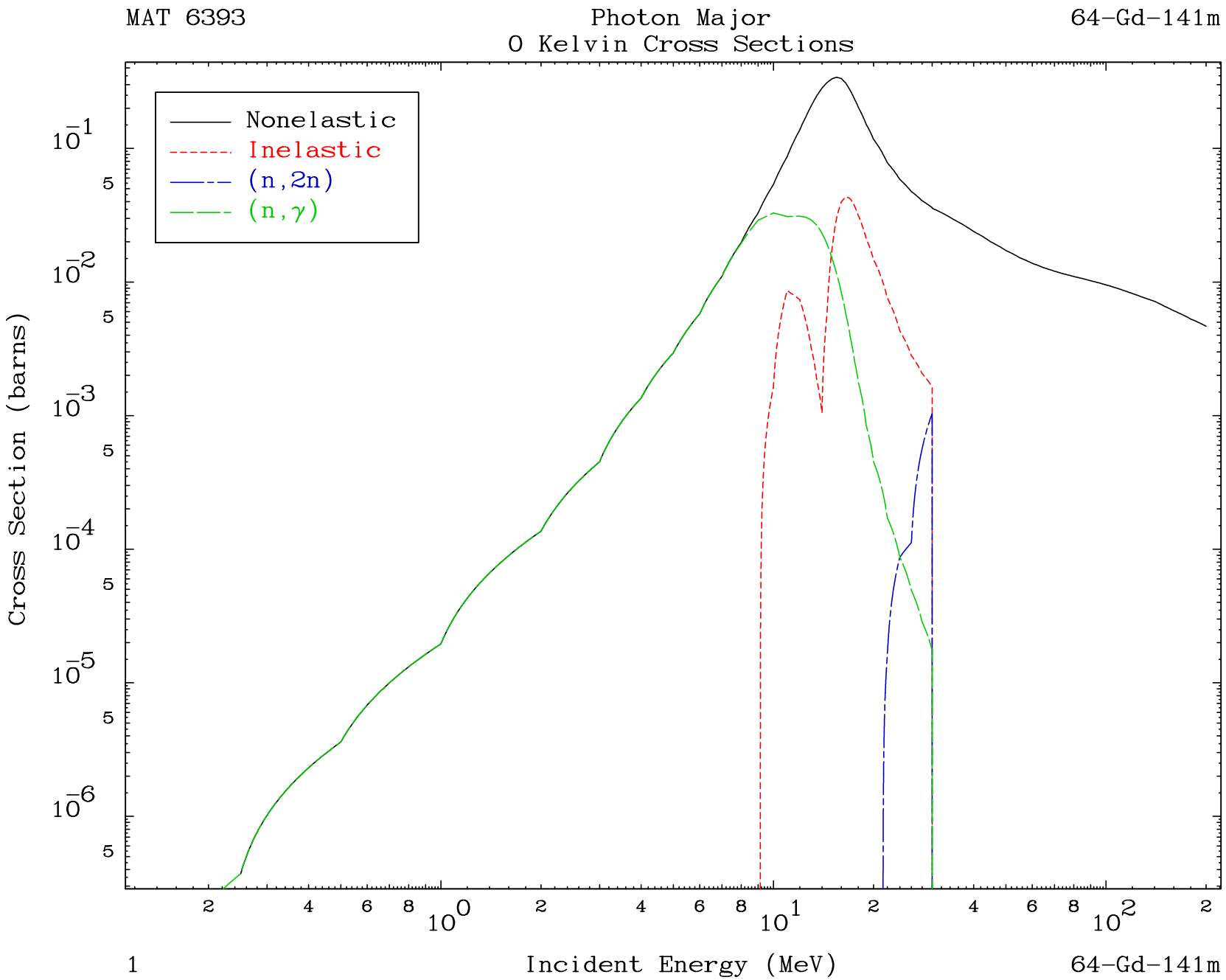
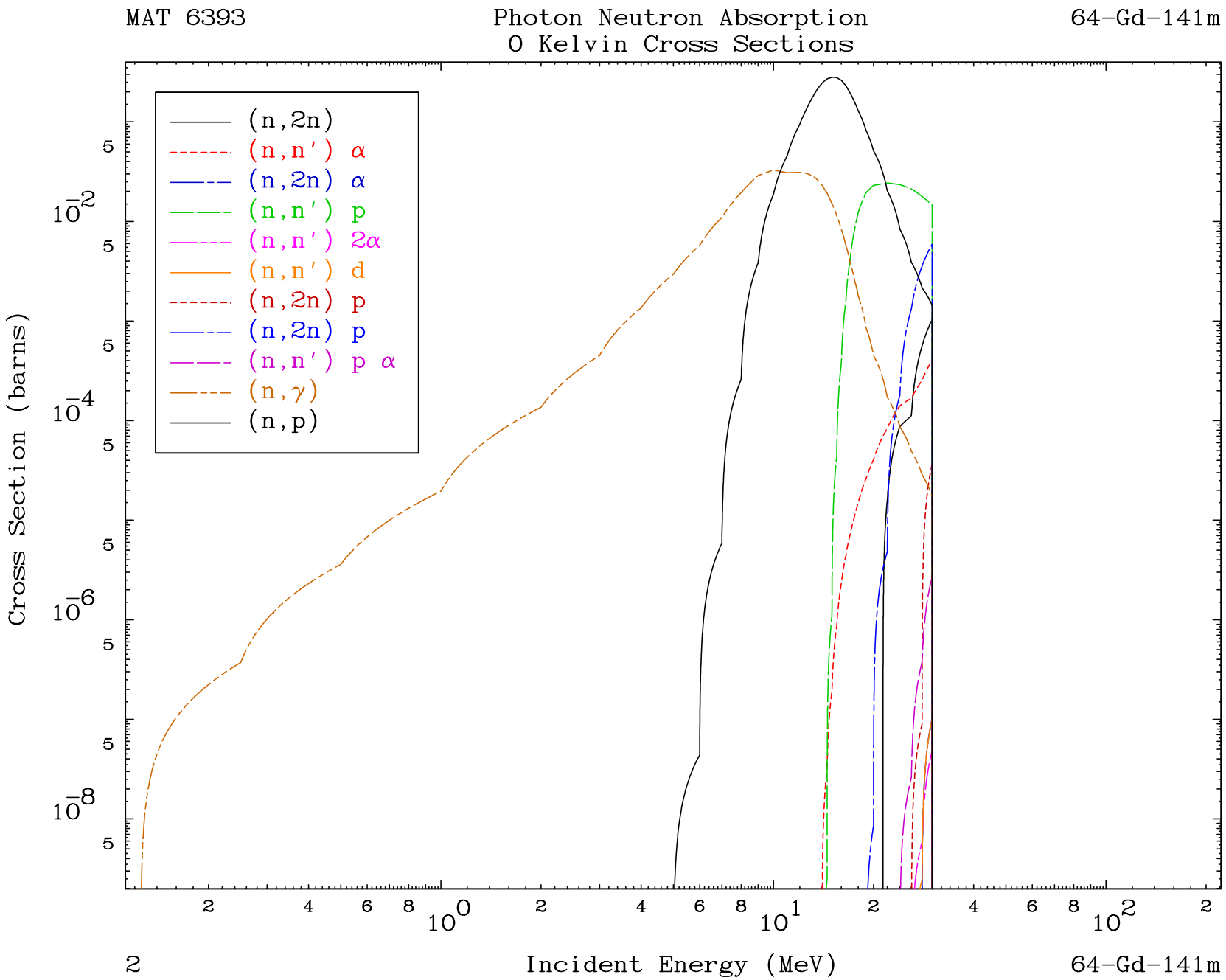
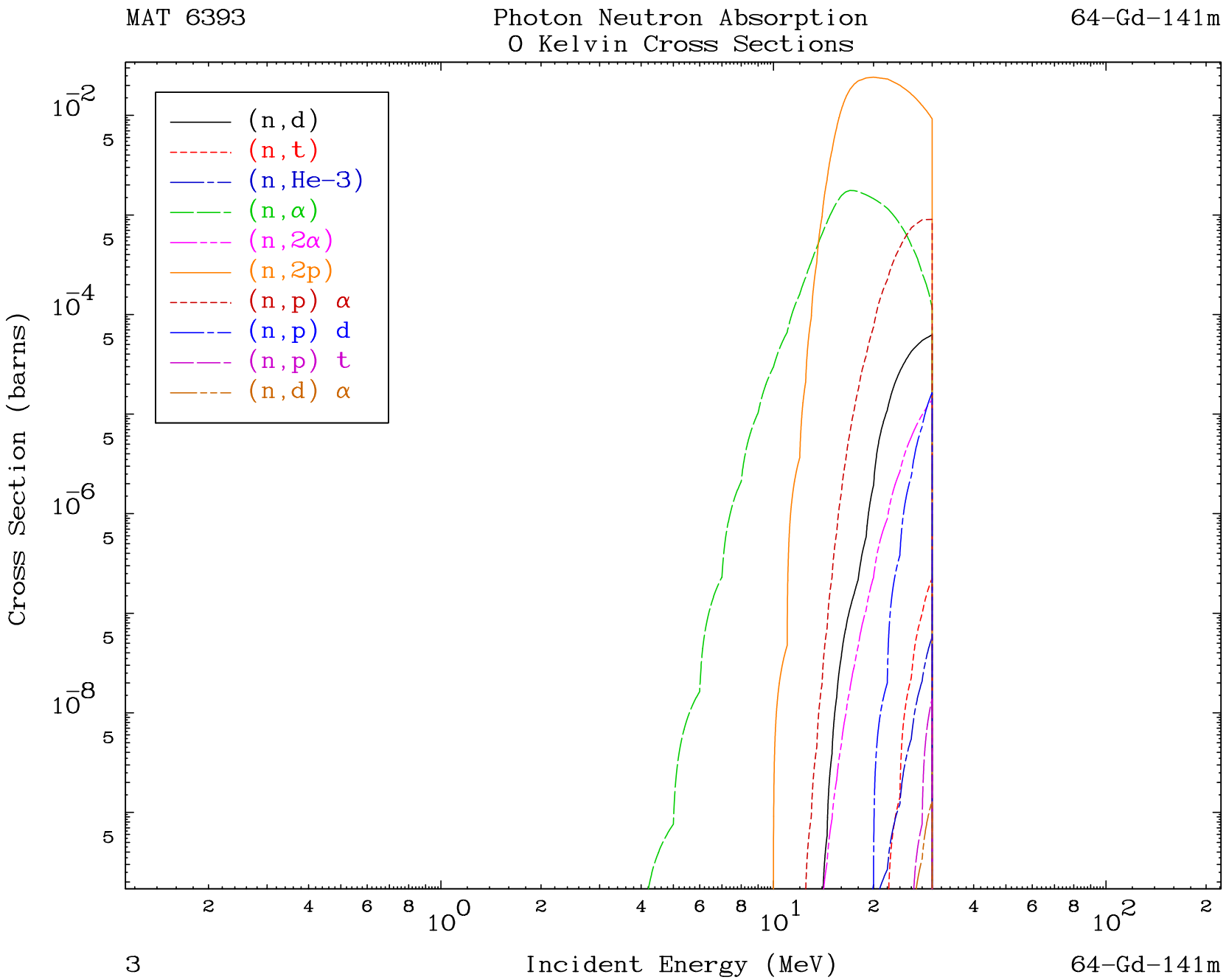
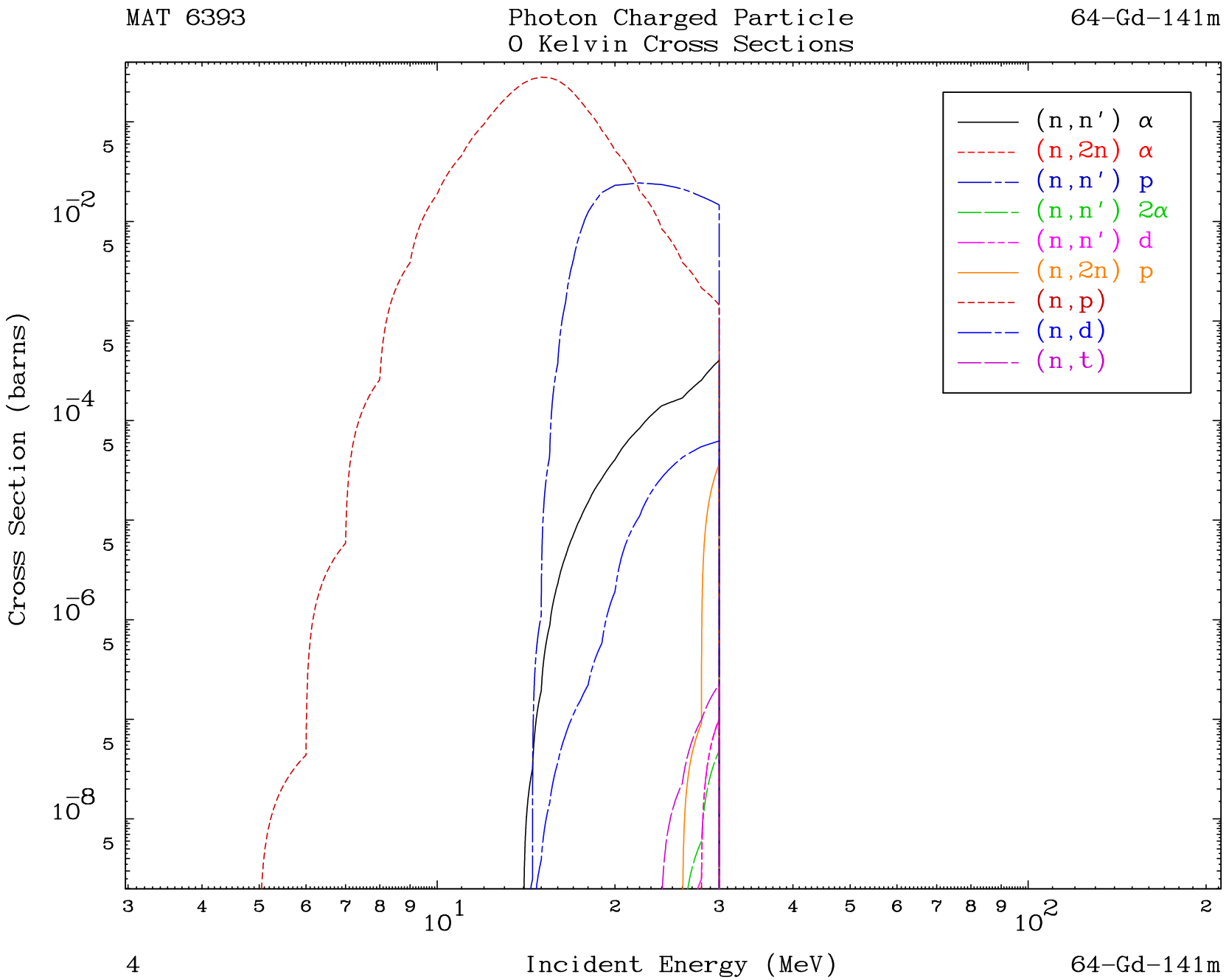
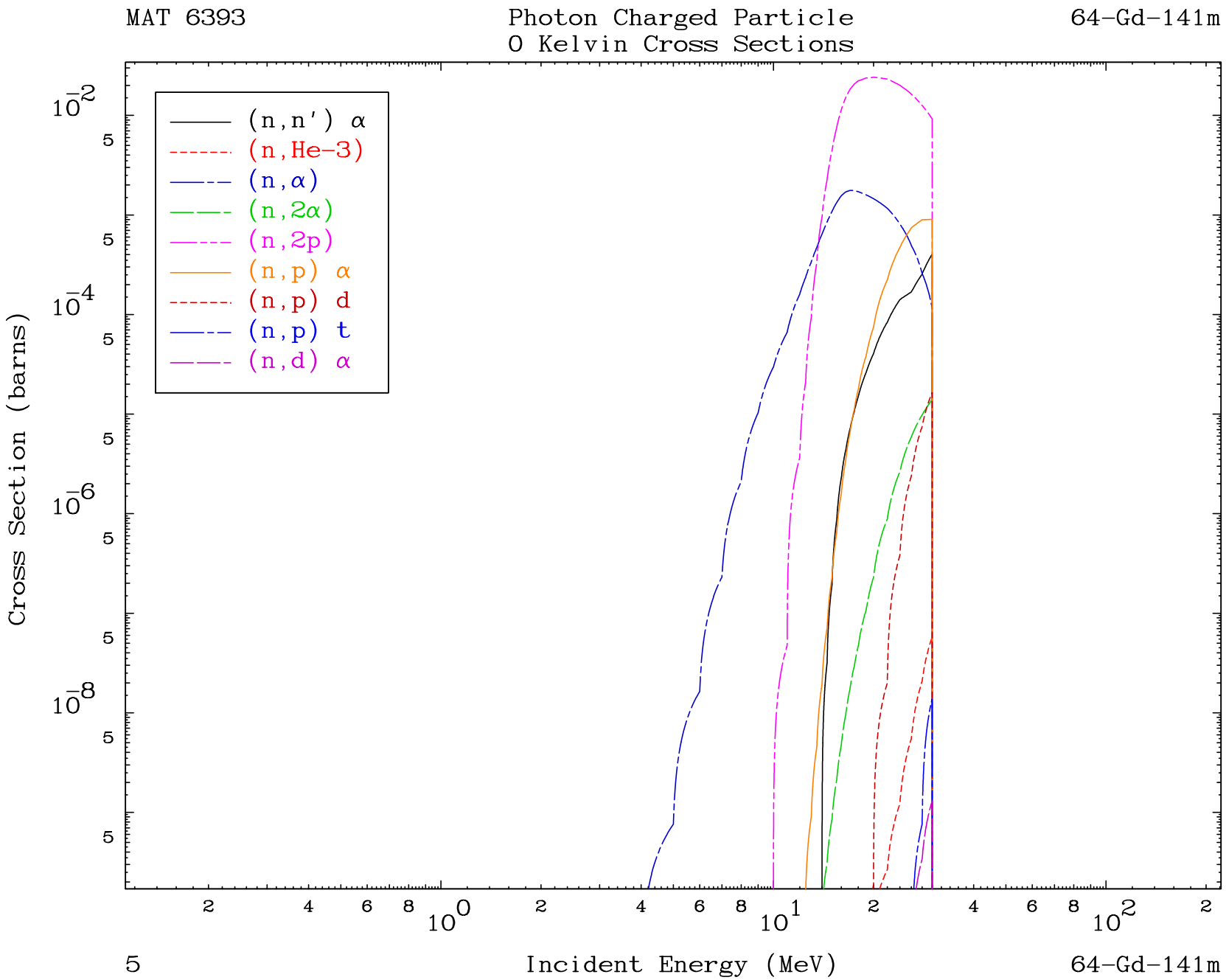
Press Mouse Button to Start

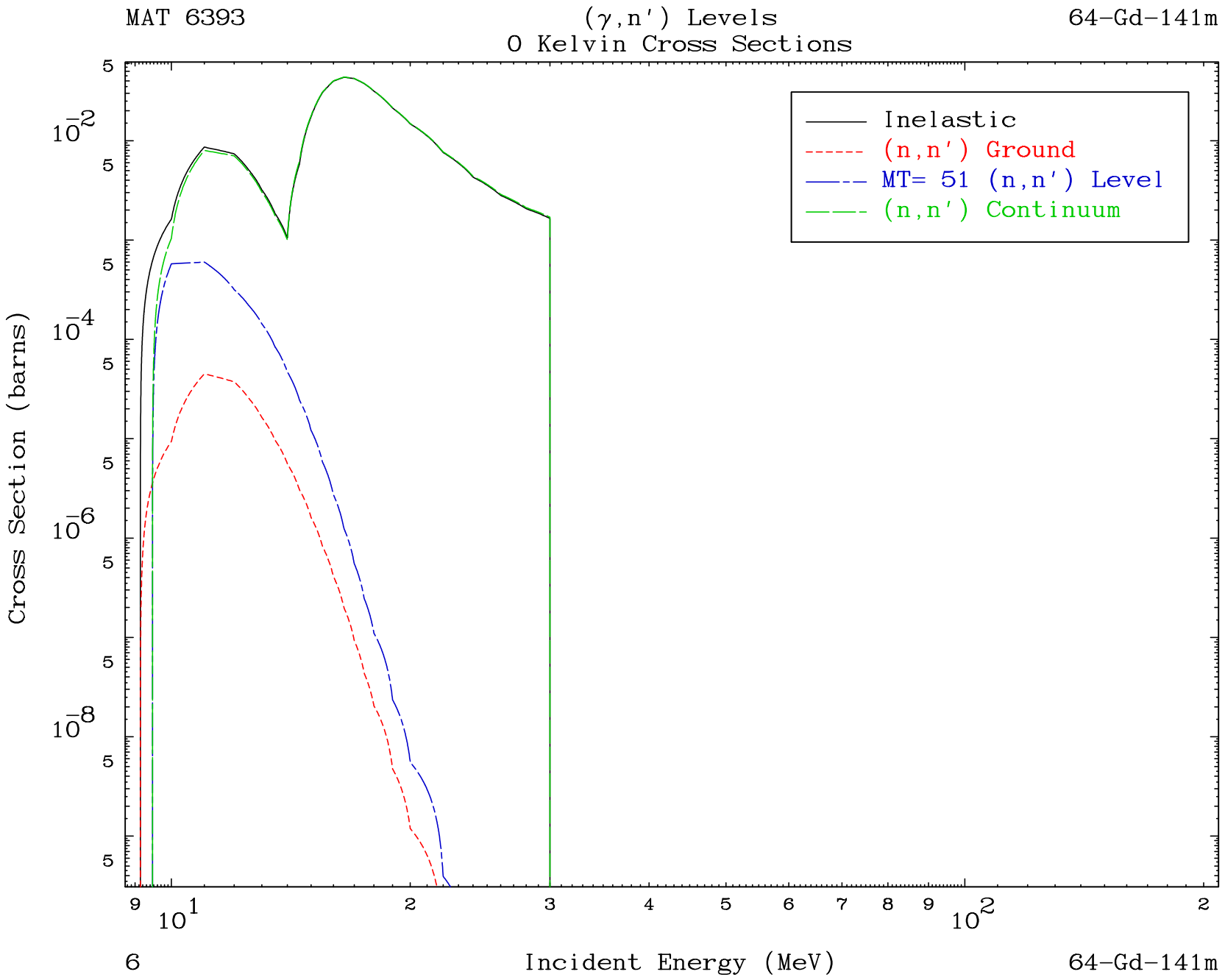

MAT 6393
Photon Major
64-Gd-141m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-141m
1

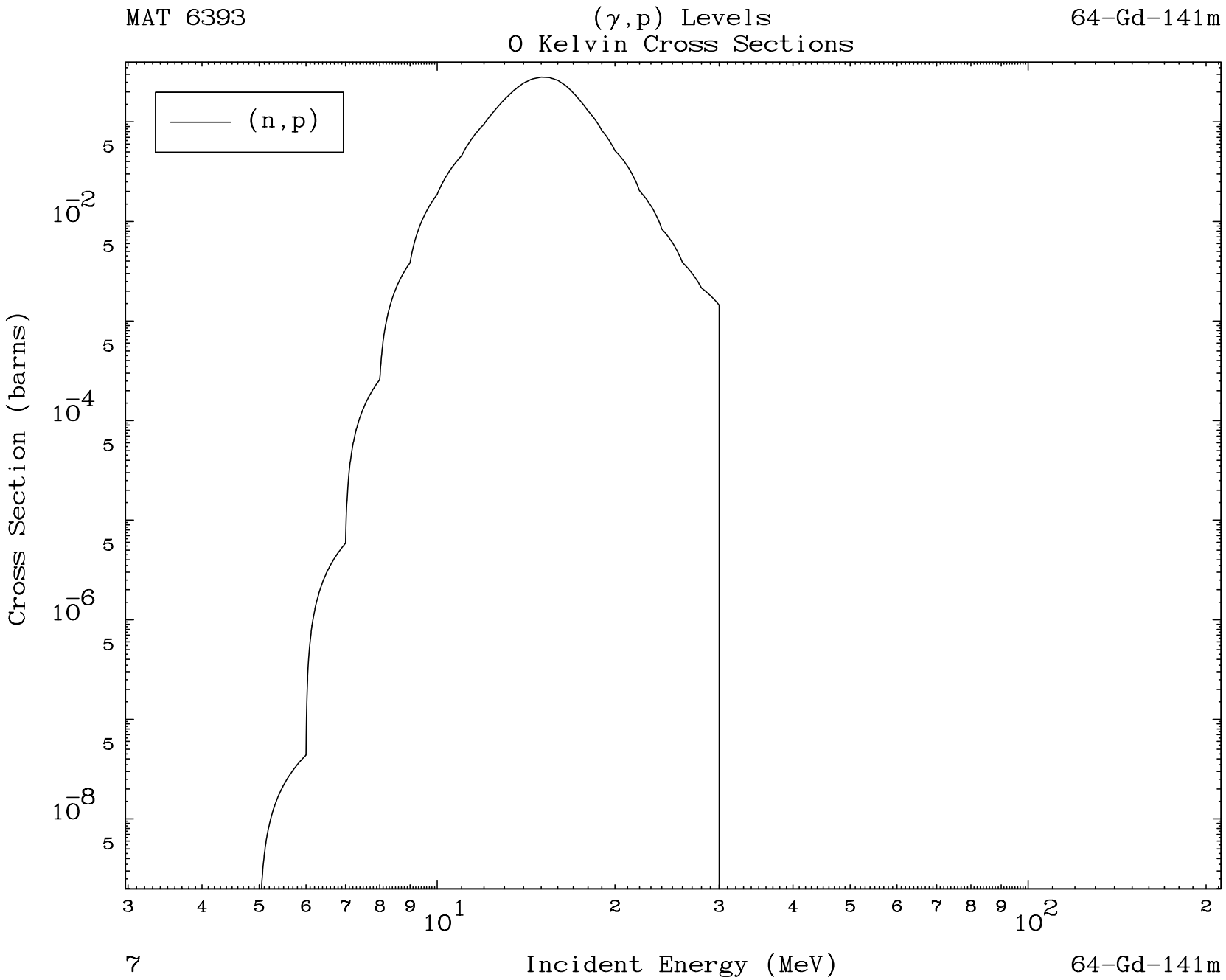

MAT 6393
Photon Neutron Absorption
0 Kelvin Cross Sections
64-Gd-141m
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-141m
2

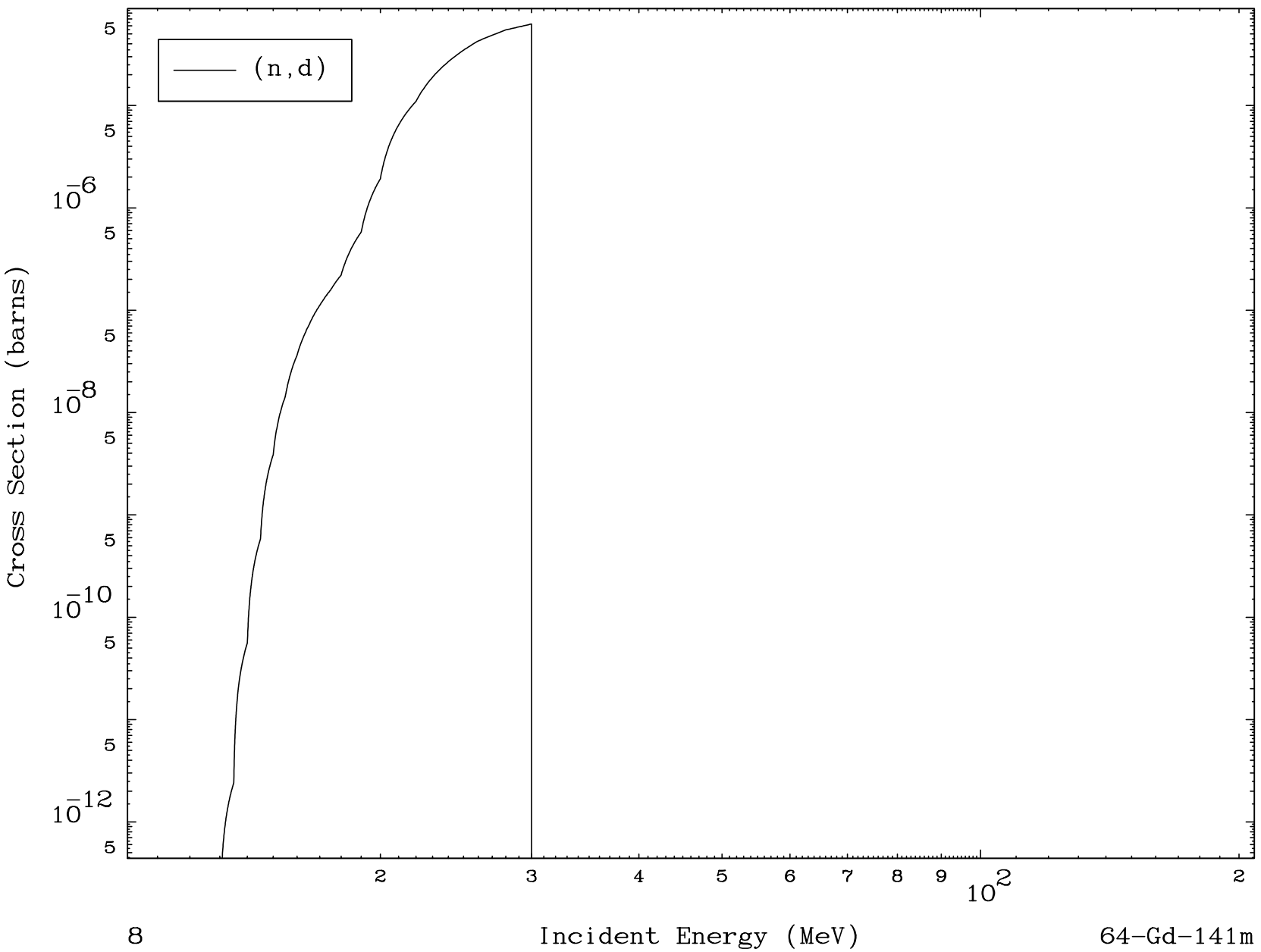

MAT 6393
Photon Neutron Absorption
0 Kelvin Cross Sections
64-Gd-141m
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-141m

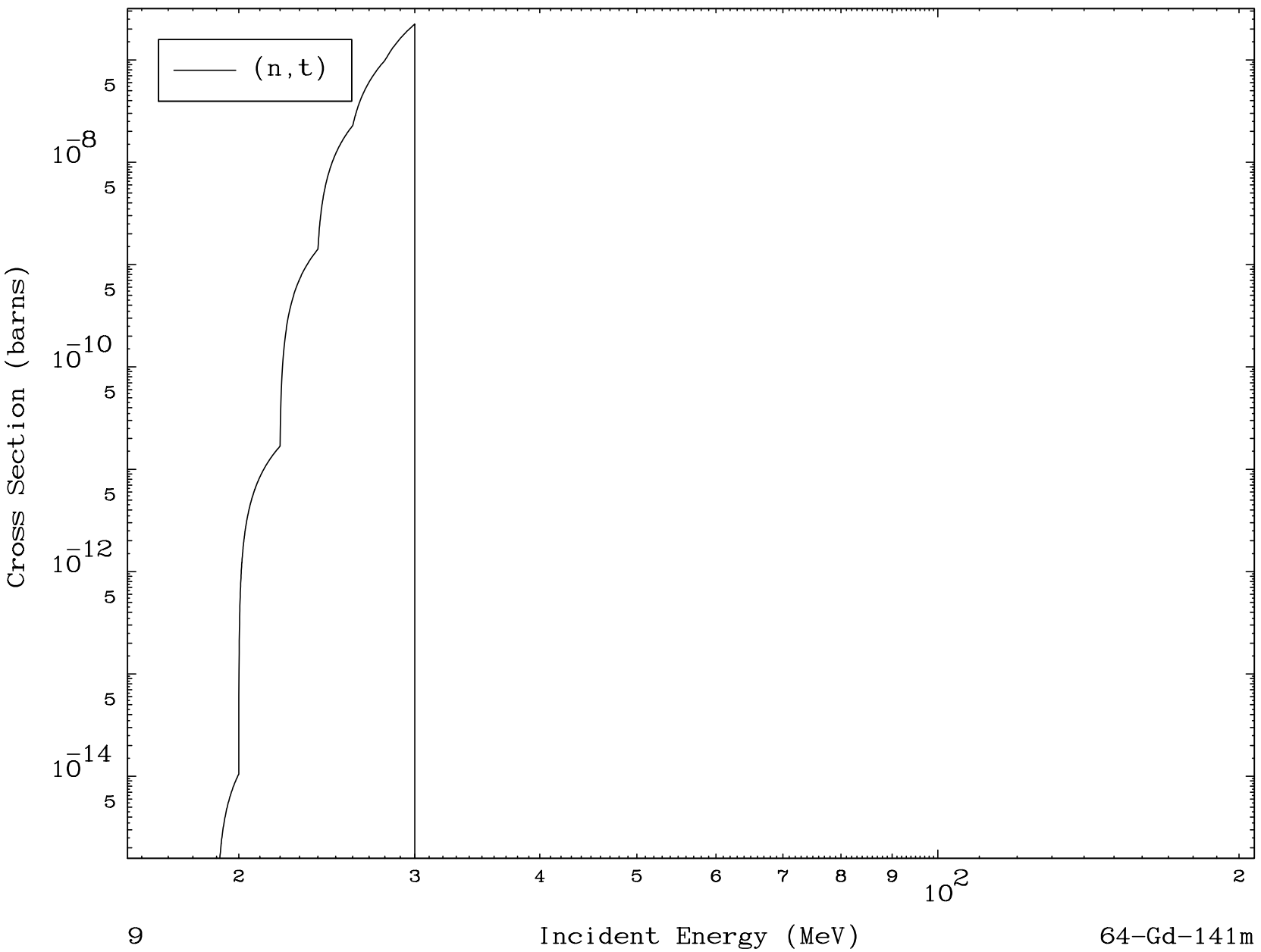

MAT 6393
Photon Charged Particle
0 Kelvin Cross Sections
64-Gd-141m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
4
64-Gd-141m

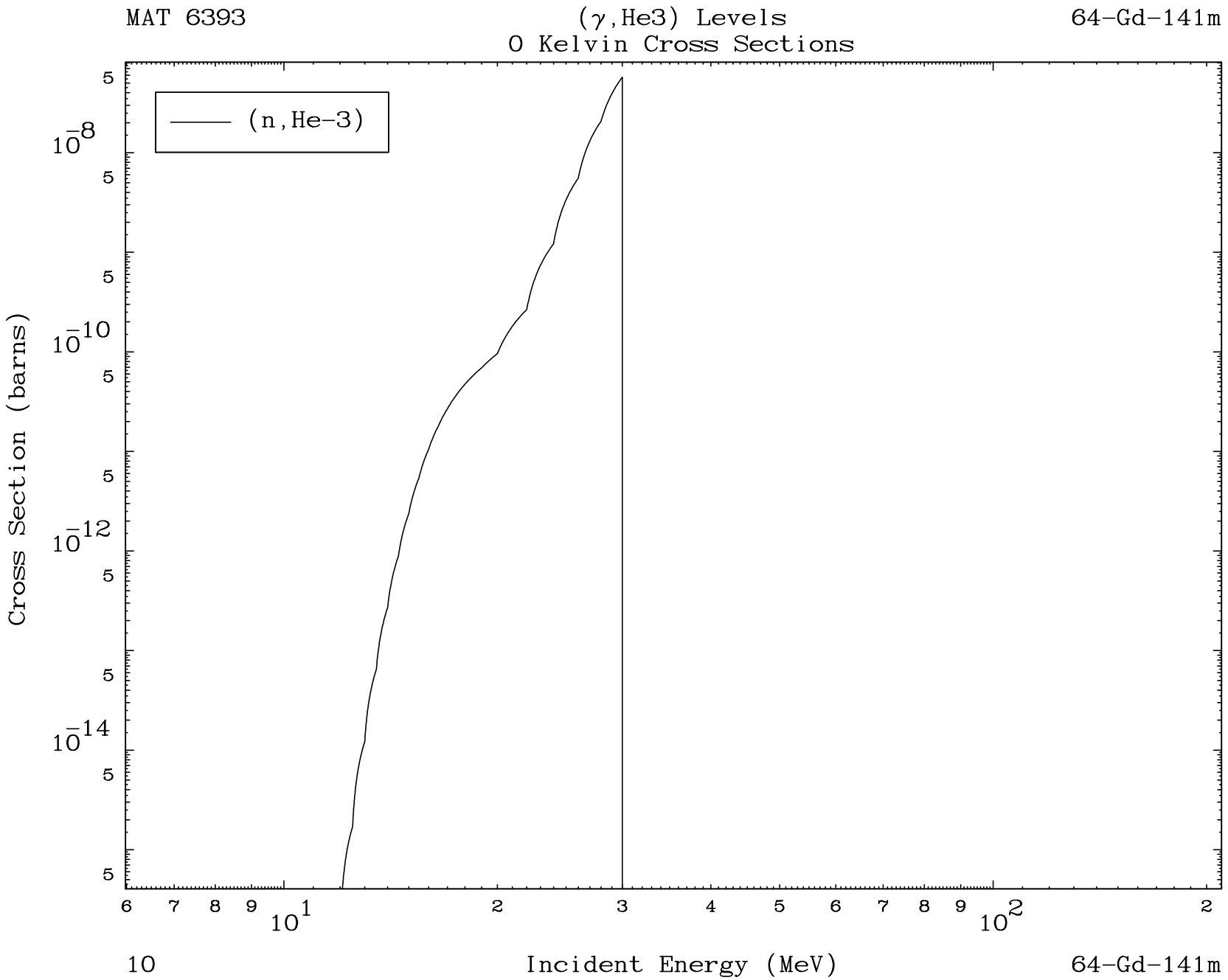

MAT 6393
Photon Charged Particle
0 Kelvin Cross Sections
64-Gd-141m
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
5
Incident Energy (MeV)
10^0
10^1
10^2
64-Gd-141m

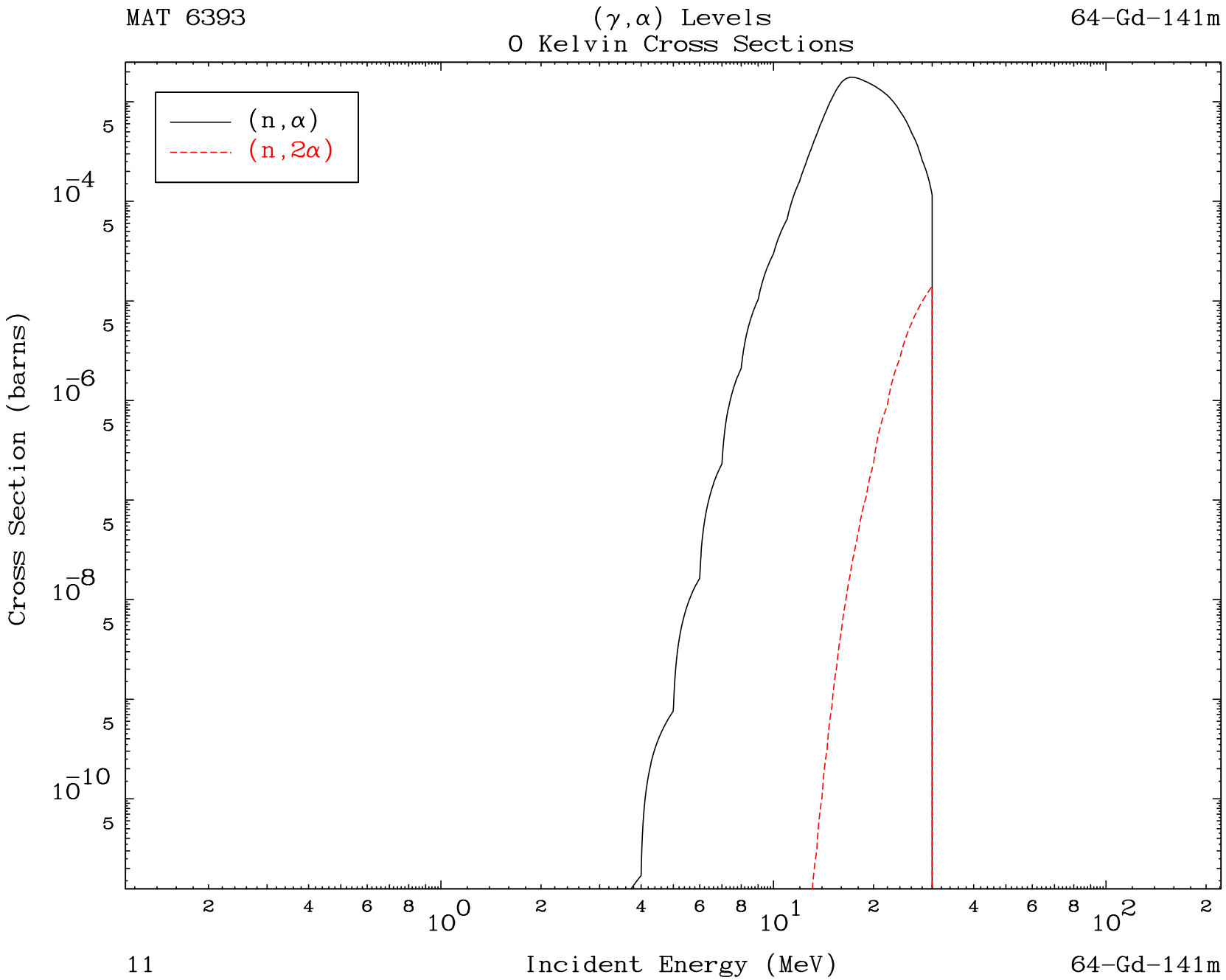

MAT 6393
(γ,n') Levels
0 Kelvin Cross Sections
64-Gd-141m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
64-Gd-141m
6

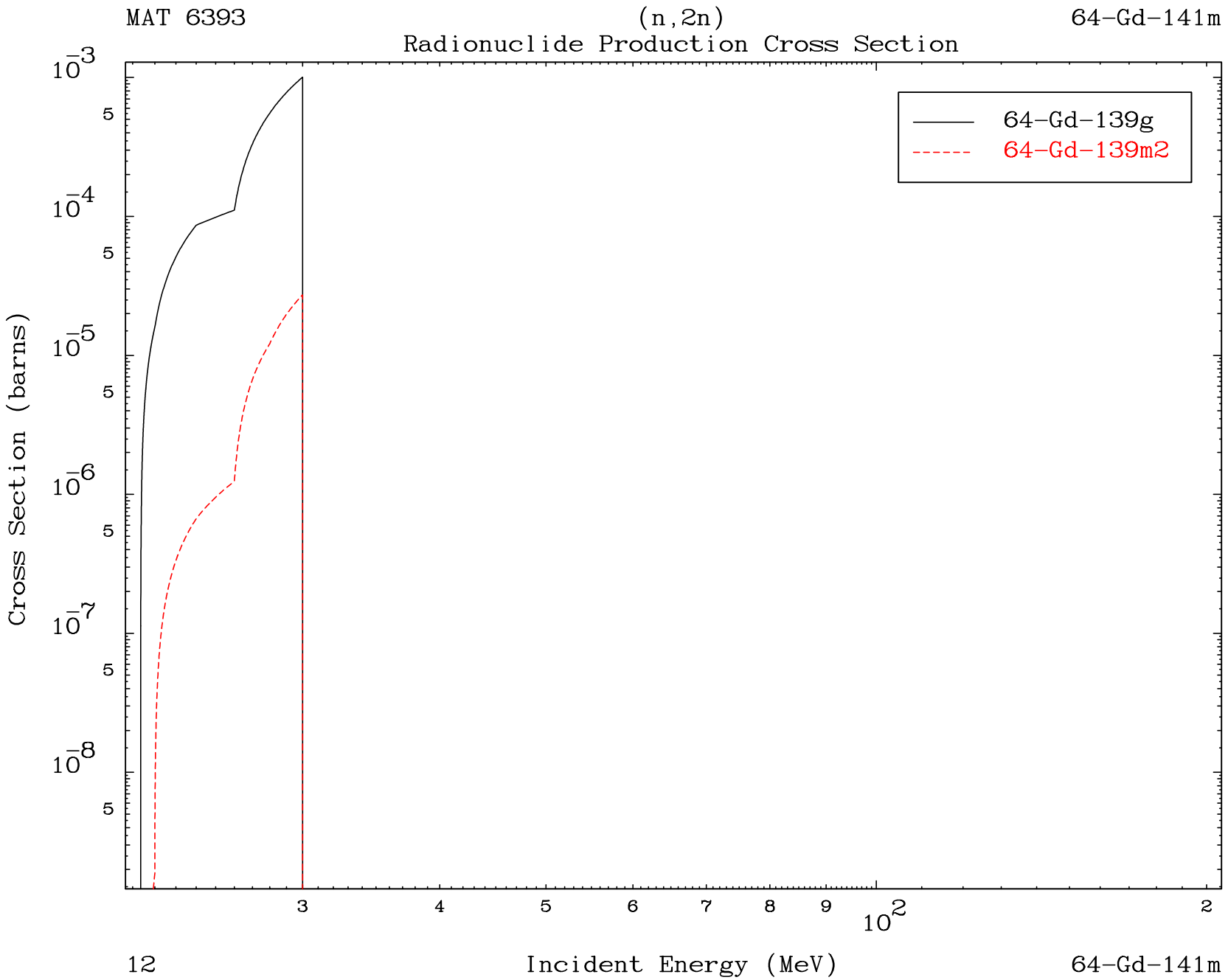

MAT 6393
(γ,p) Levels
64-Gd-141m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
7
64-Gd-141m

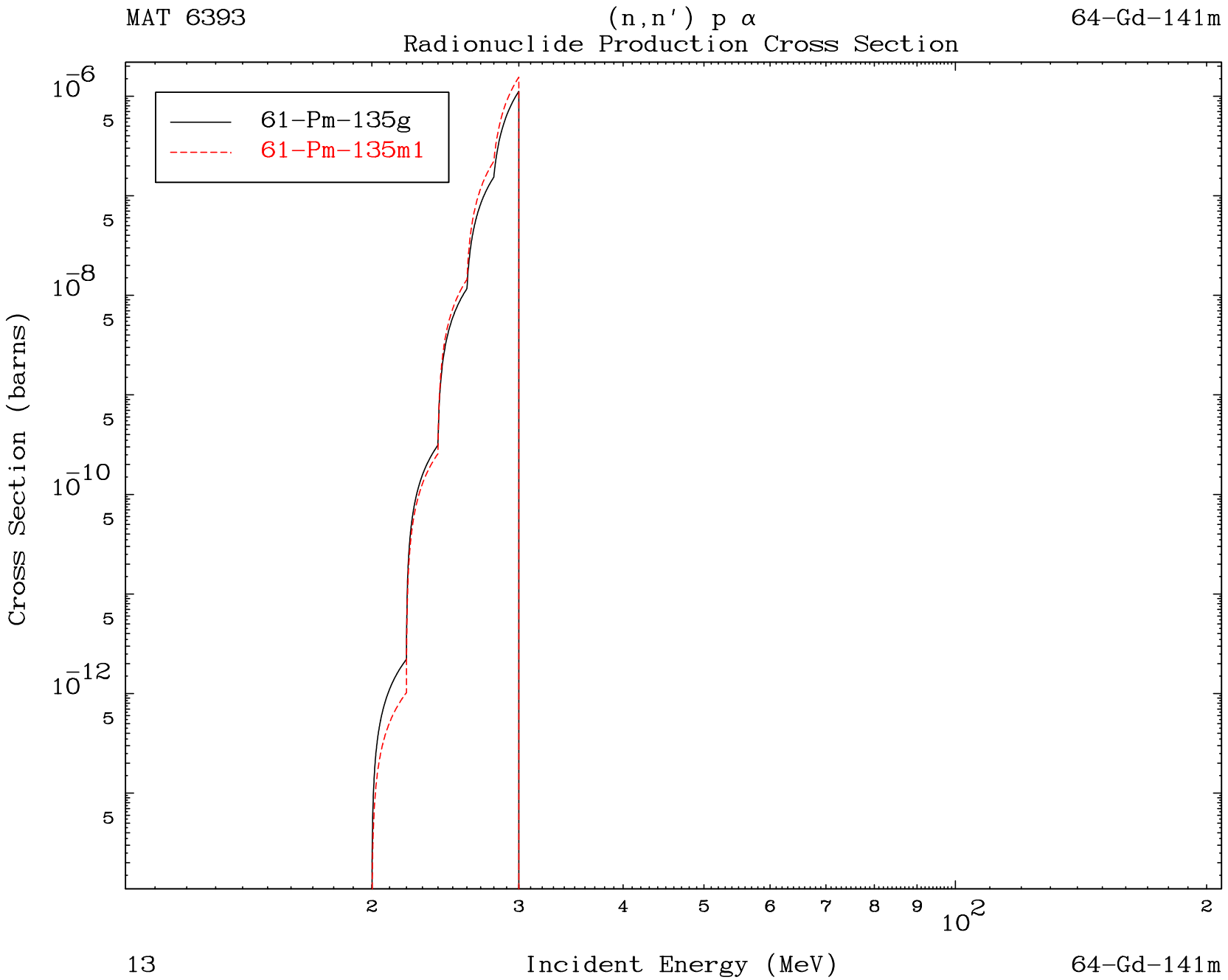

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

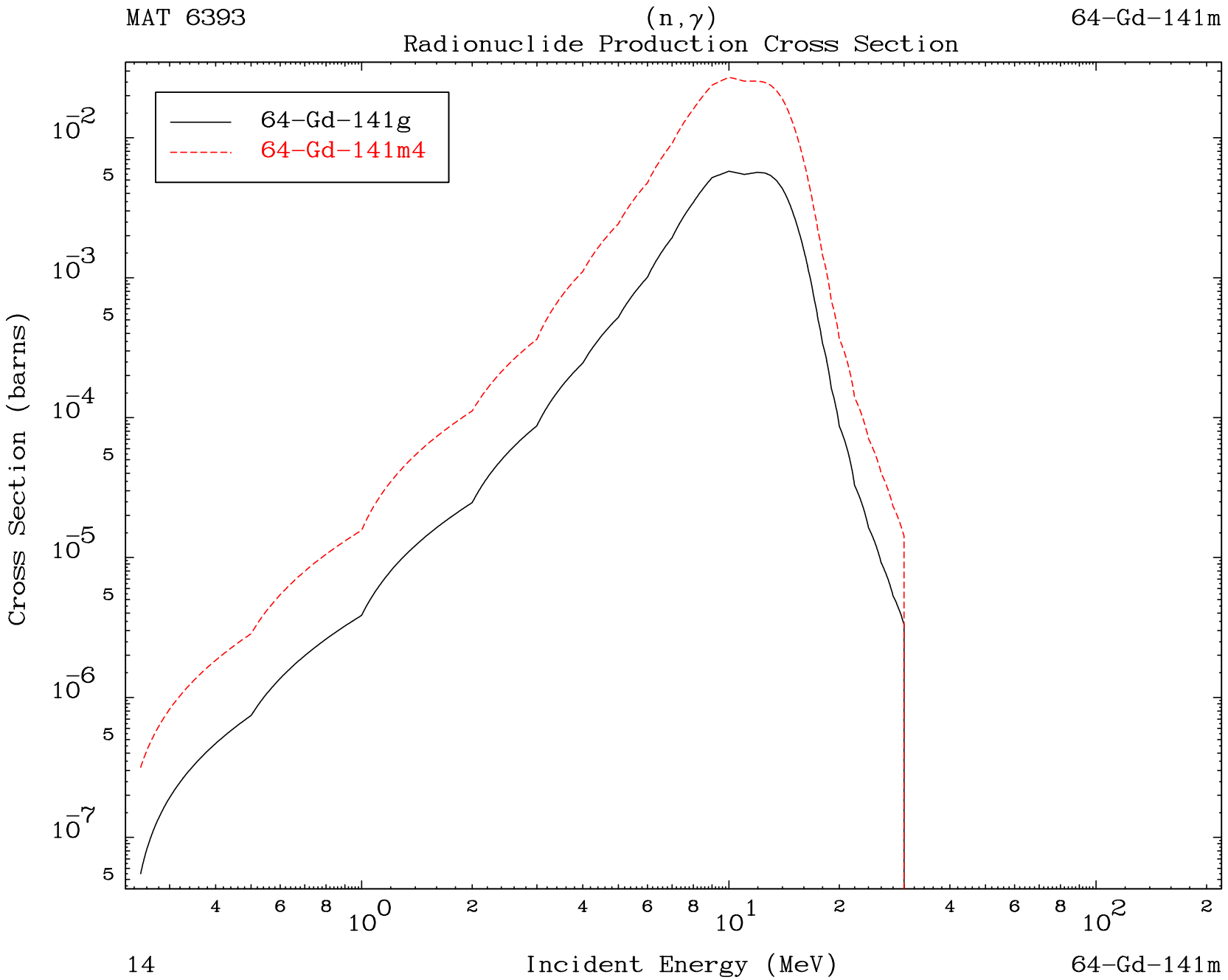

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

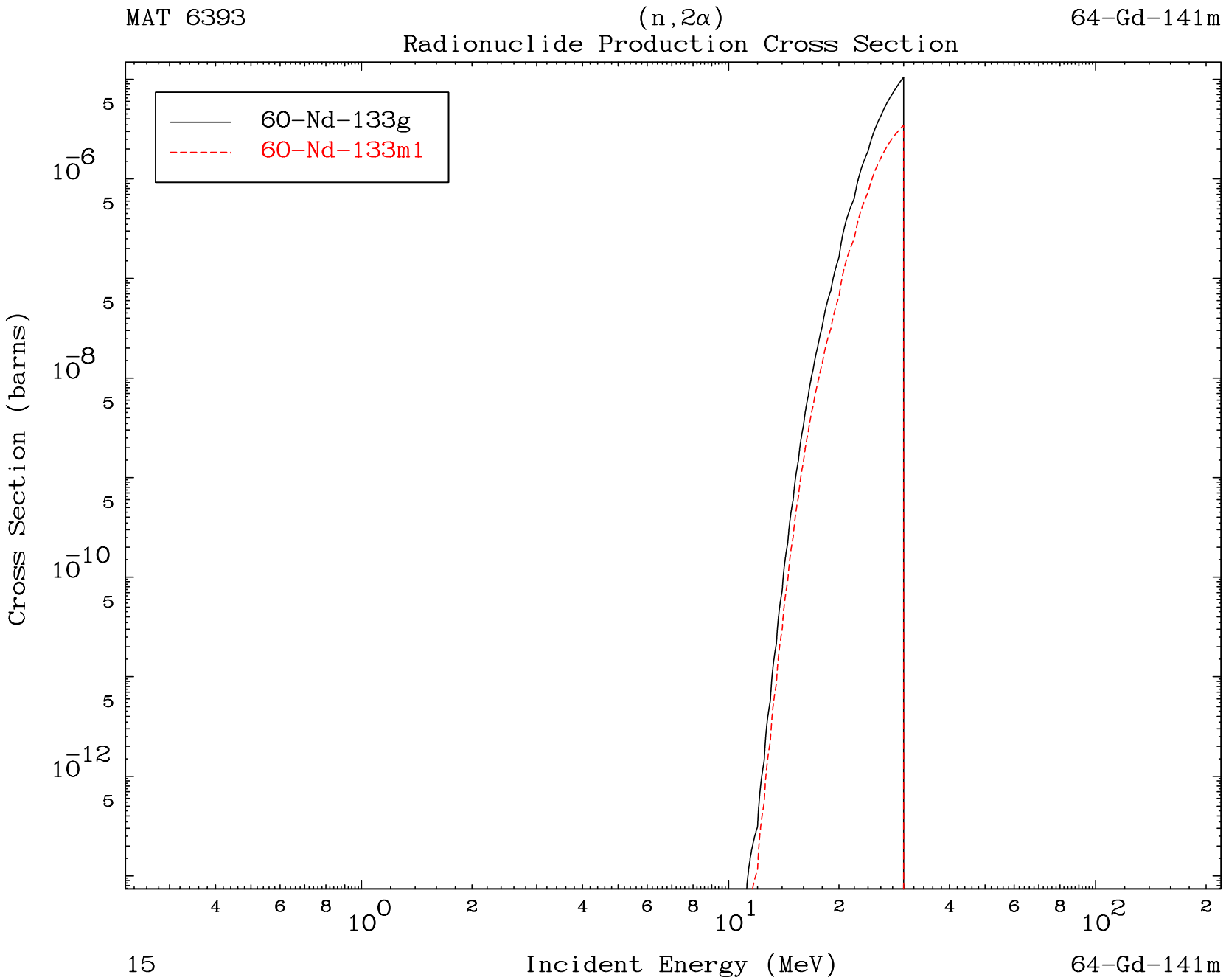

MAT 6393
(γ,He3) Levels
64-Gd-141m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-141m
10

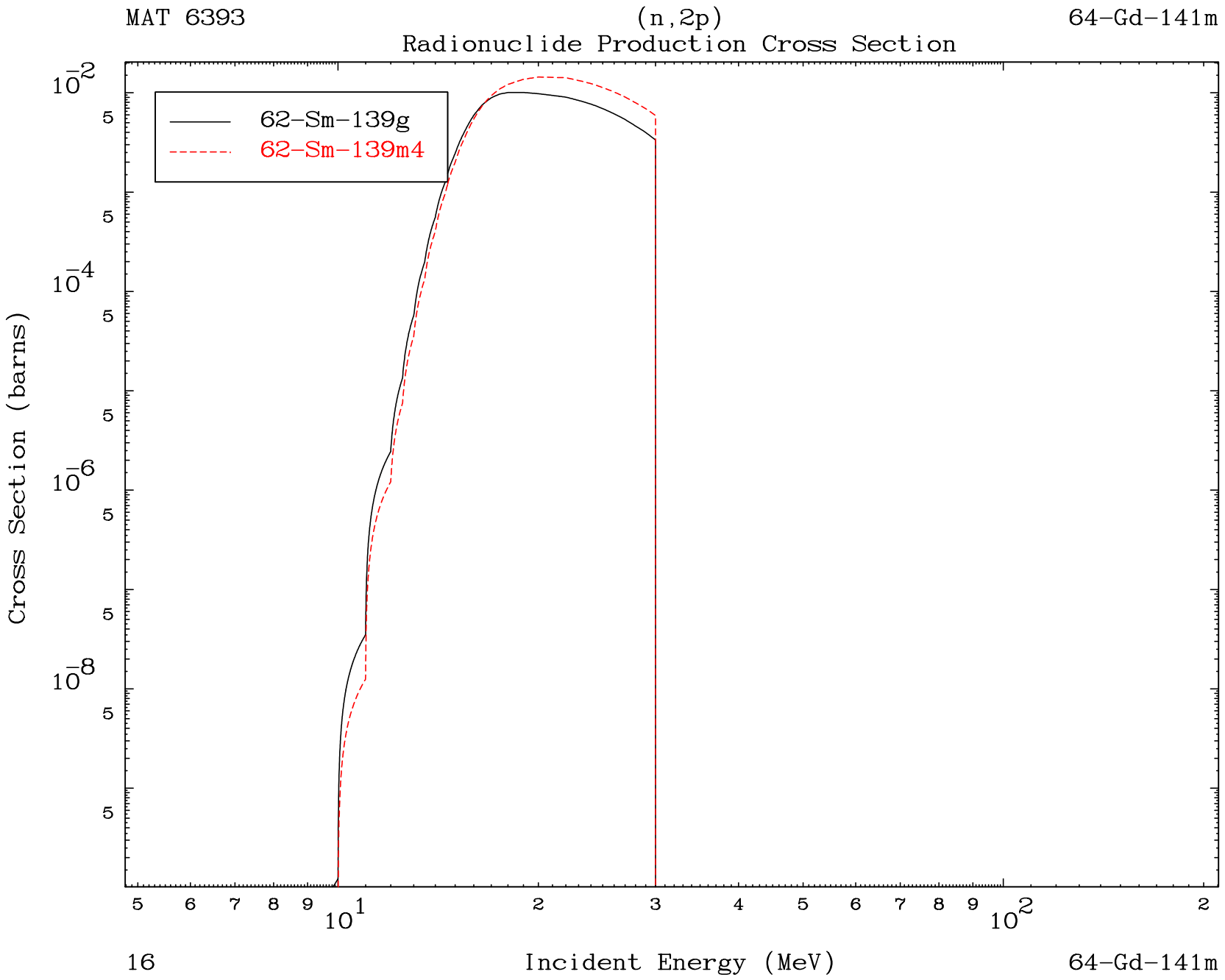

MAT 6393
(γ,α) Levels
64-Gd-141m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
64-Gd-141m

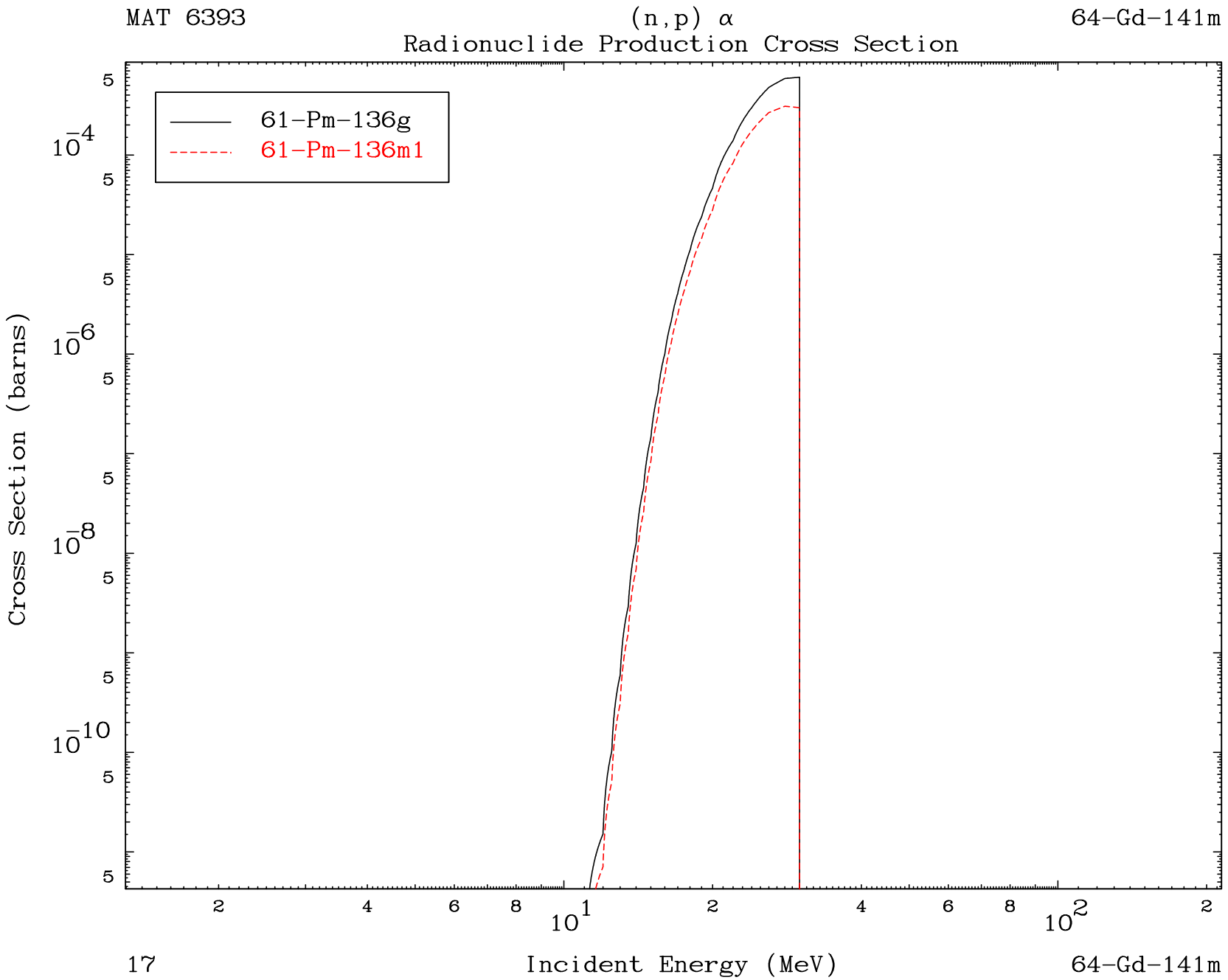

MAT 6393
(n,2n)
64-Gd-141m
Radionuclide Production Cross Section
64-Gd-139g
64-Gd-139m2
Cross Section (barns)
Incident Energy (MeV)
12
64-Gd-141m

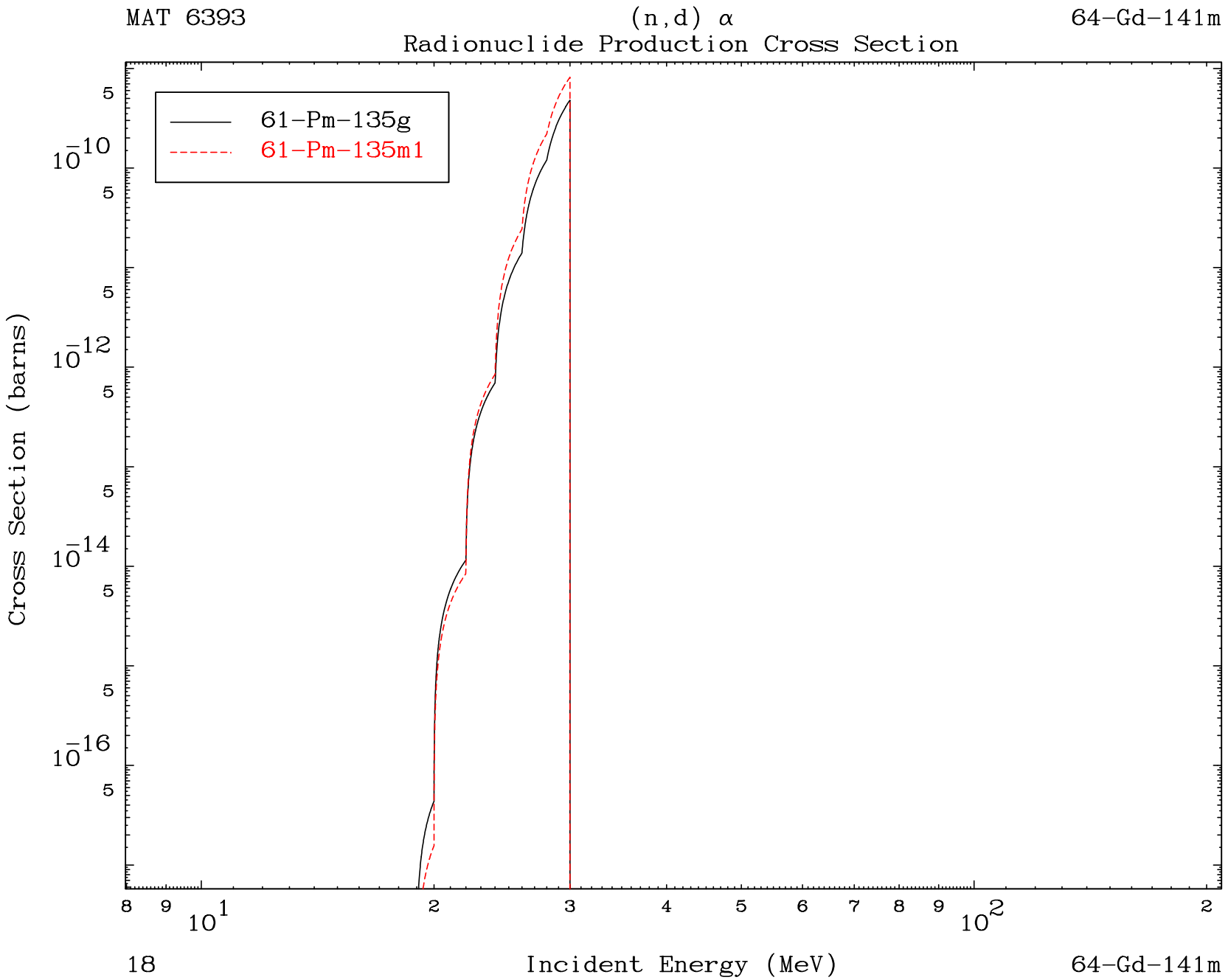

MAT 6393
(n,n') p α
64-Gd-141m
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
64-Gd-141m


MAT 6393
(n,γ)
64-Gd-141m
Radionuclide Production Cross Section
64-Gd-141g
64-Gd-141m4
Cross Section (barns)
Incident Energy (MeV)
14
64-Gd-141m


MAT 6393
(n,2α)
64-Gd-141m
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
15
64-Gd-141m


MAT 6393
(n,2p)
64-Gd-141m
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
Incident Energy (MeV)
16
64-Gd-141m


MAT 6393
(n,p) α
64-Gd-141m
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
17
64-Gd-141m


MAT 6393
(n,d) α
64-Gd-141m
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
18
64-Gd-141m