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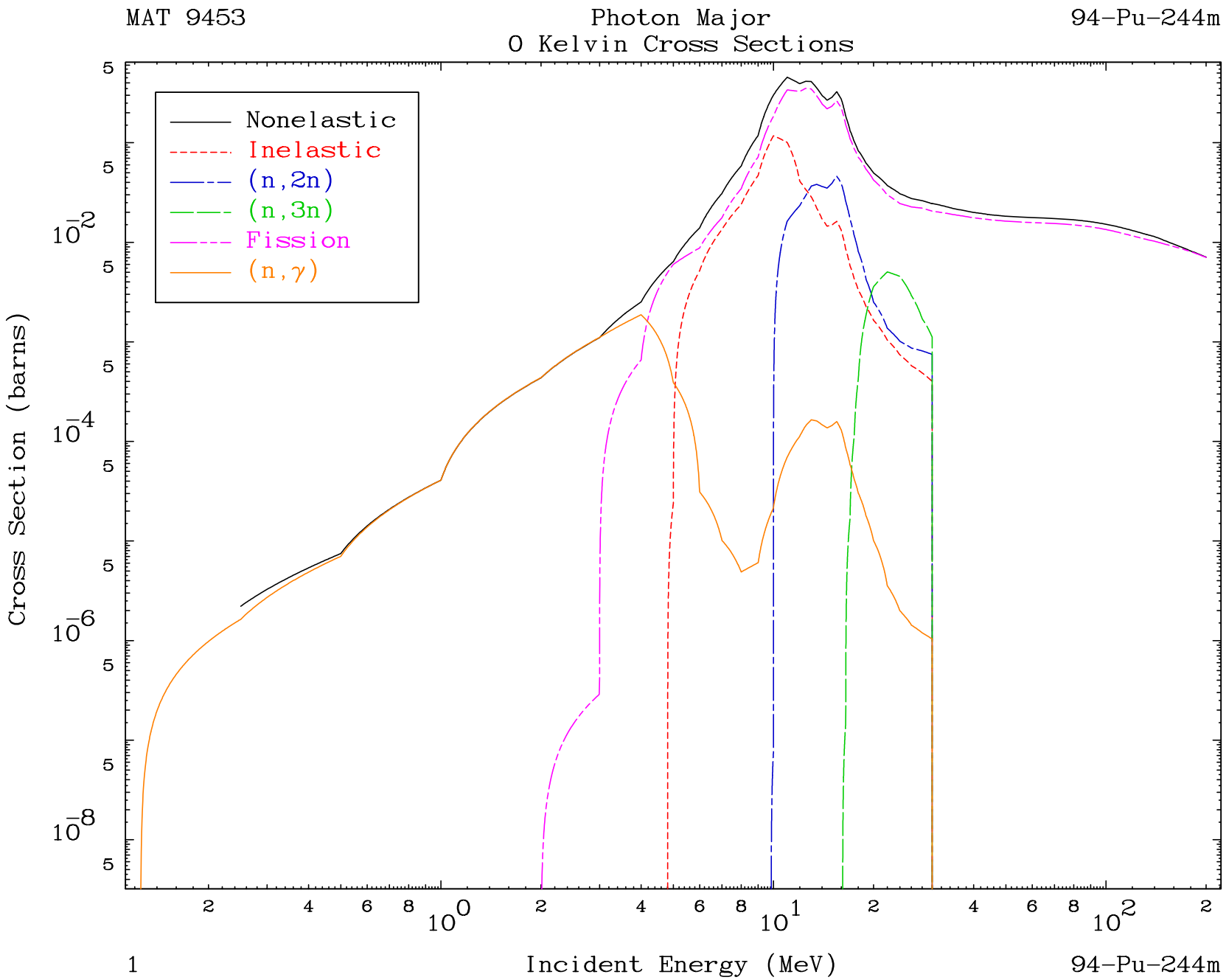
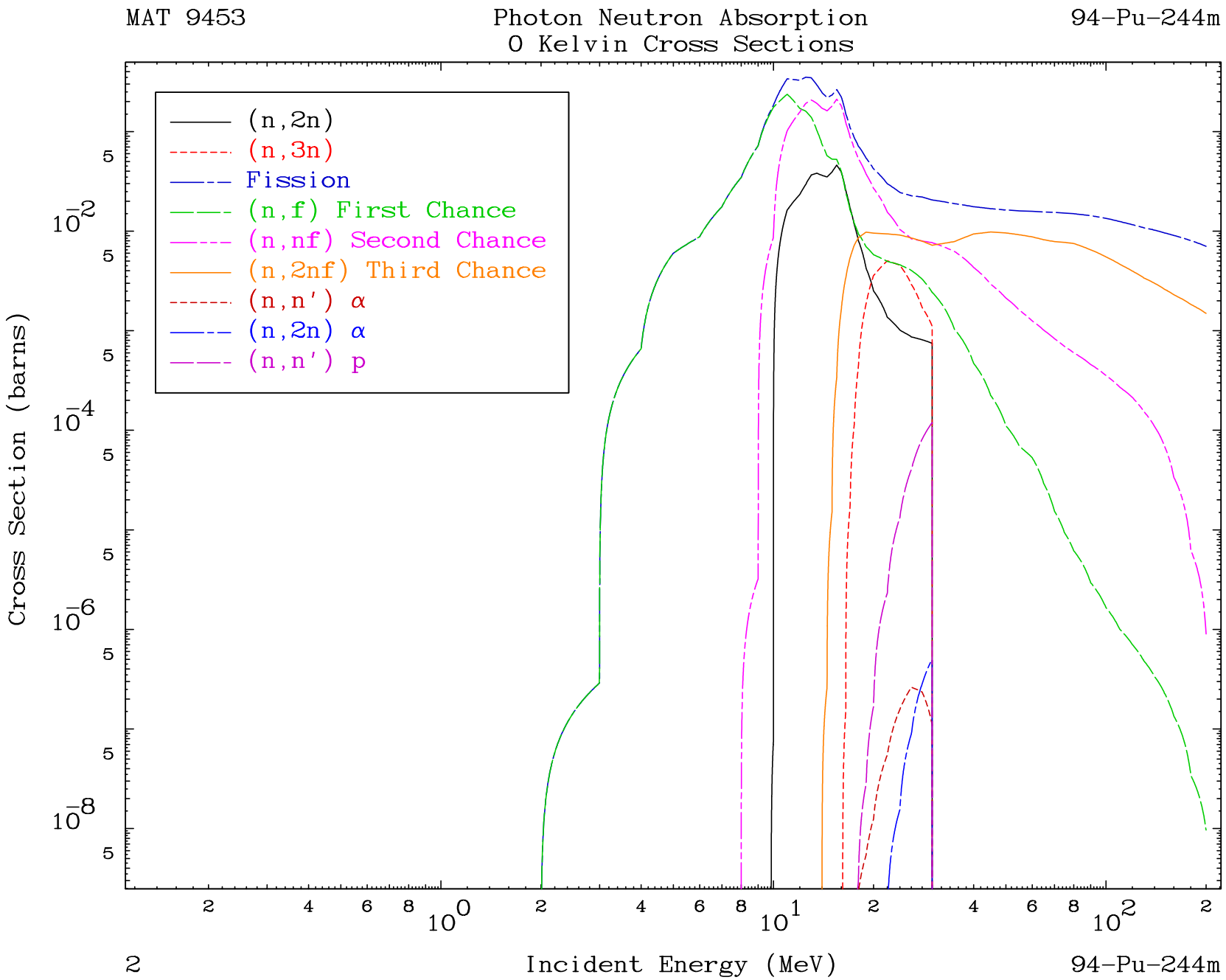
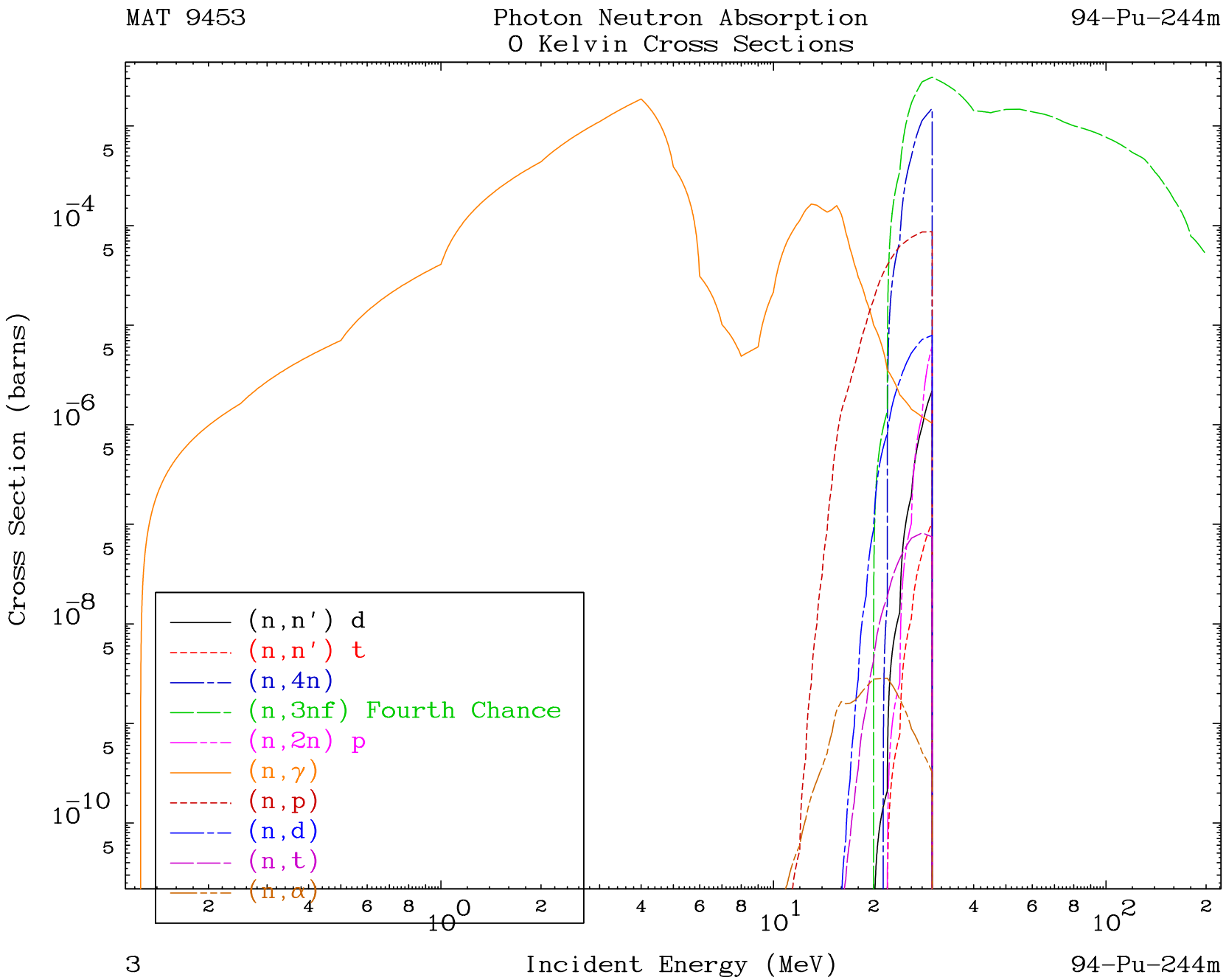
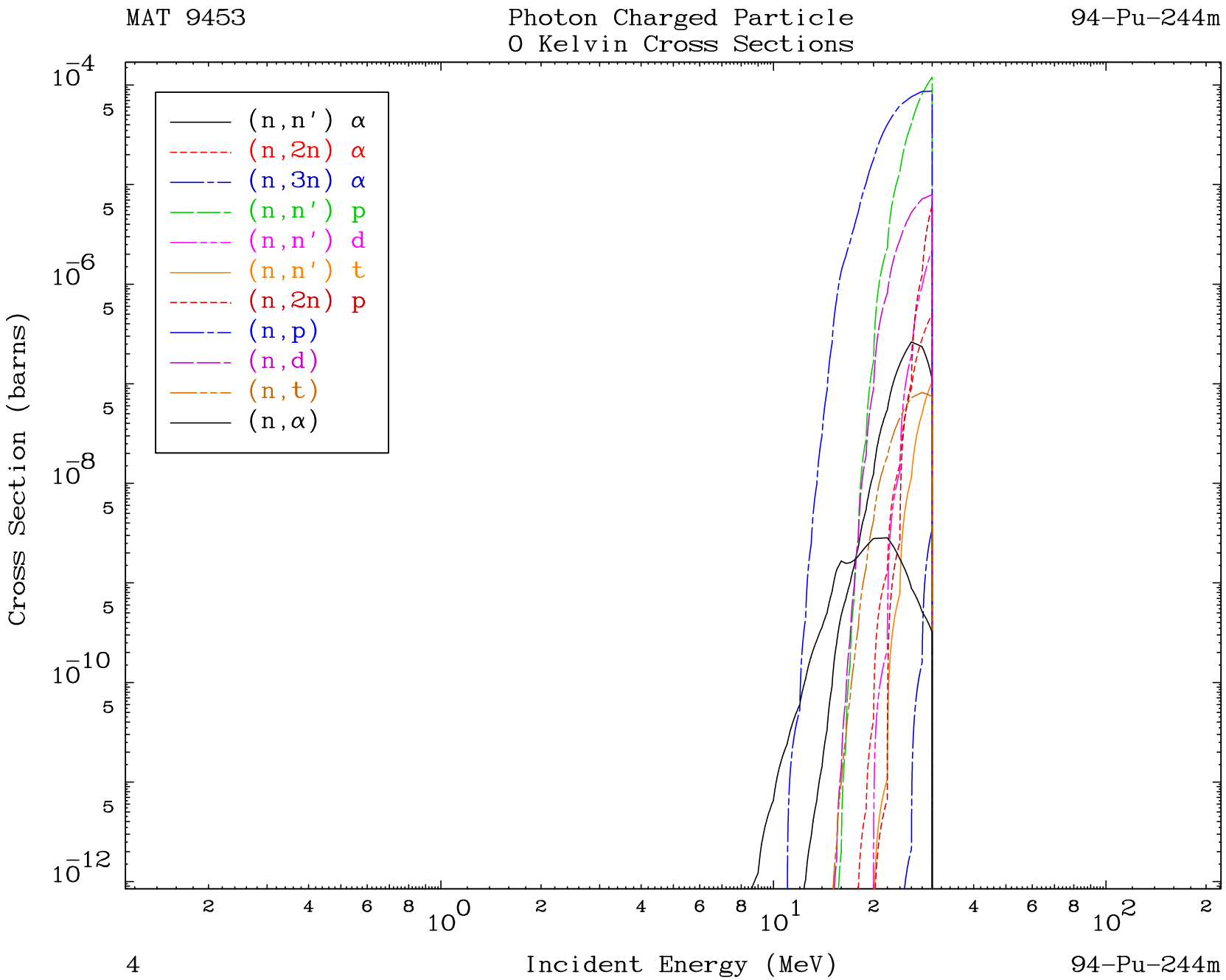
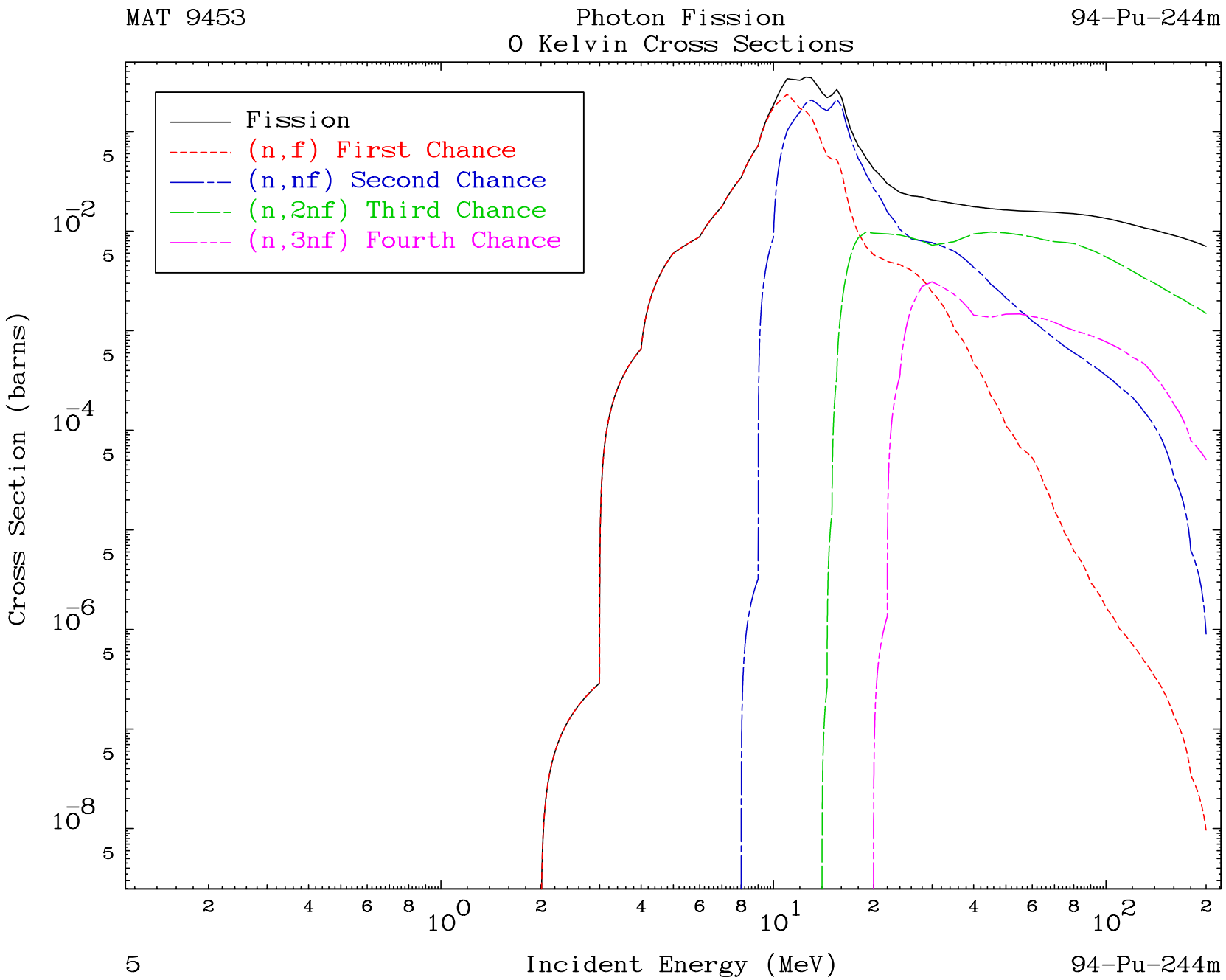
Press Mouse Button to Start

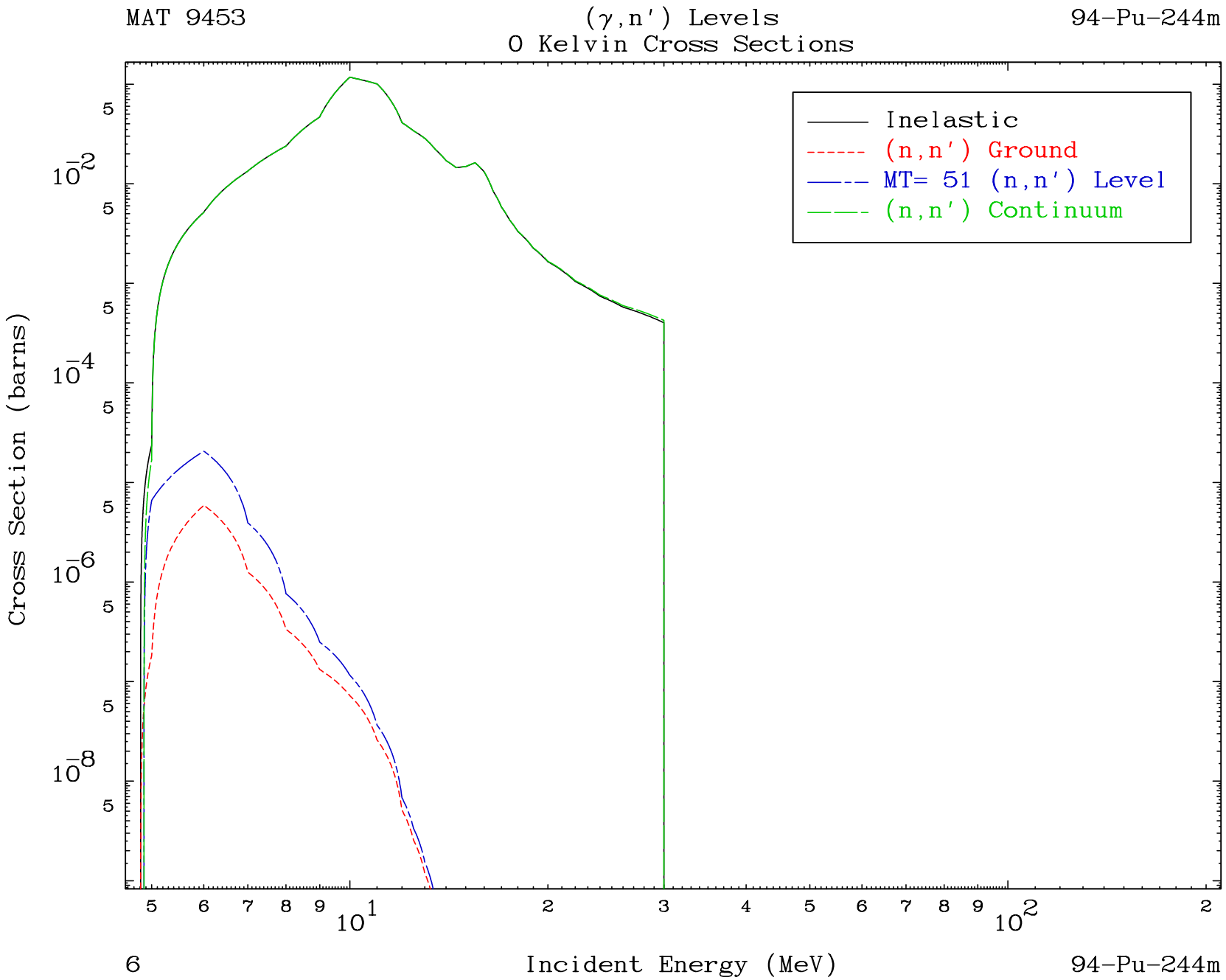

MAT 9453
Photon Major
94-Pu-244m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Fission
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
94-Pu-244m
1

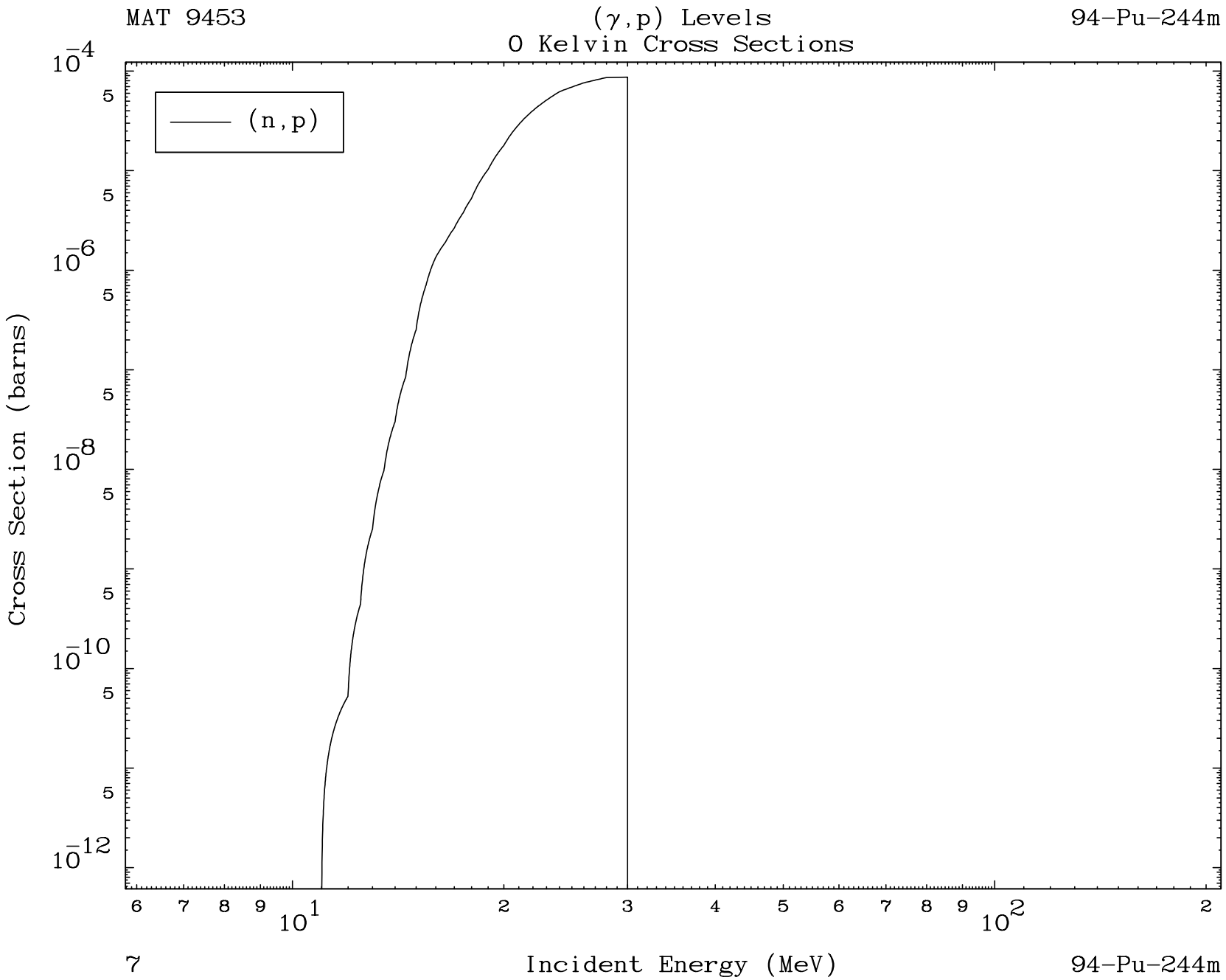

MAT 9453
Photon Neutron Absorption
0 Kelvin Cross Sections
94-Pu-244m
(n,2n)
(n,3n)
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,n') α
(n,2n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
94-Pu-244m
2

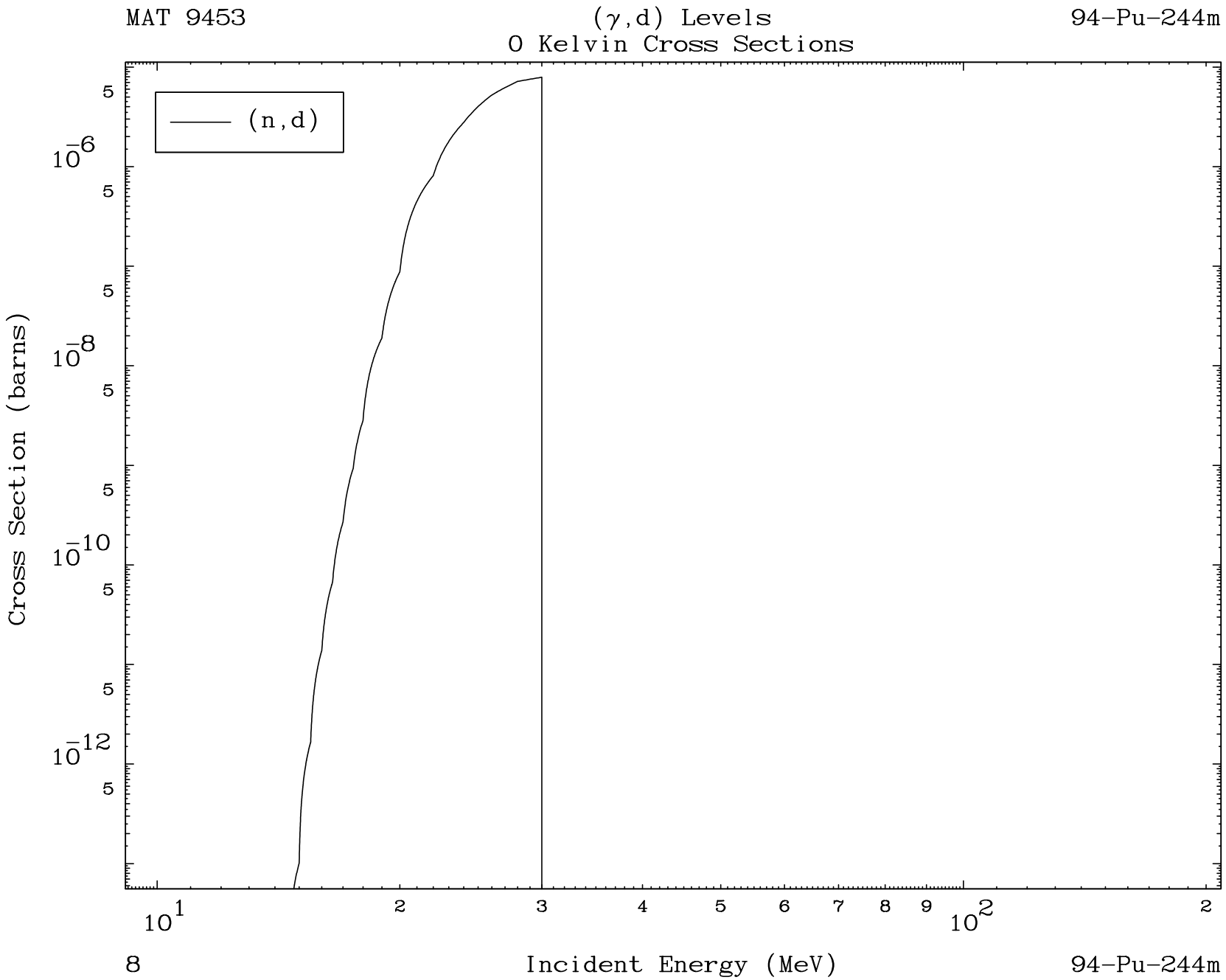

MAT 9453
Photon Neutron Absorption
0 Kelvin Cross Sections
94-Pu-244m
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,4n)
(n,3nf) Fourth Chance
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
3
94-Pu-244m

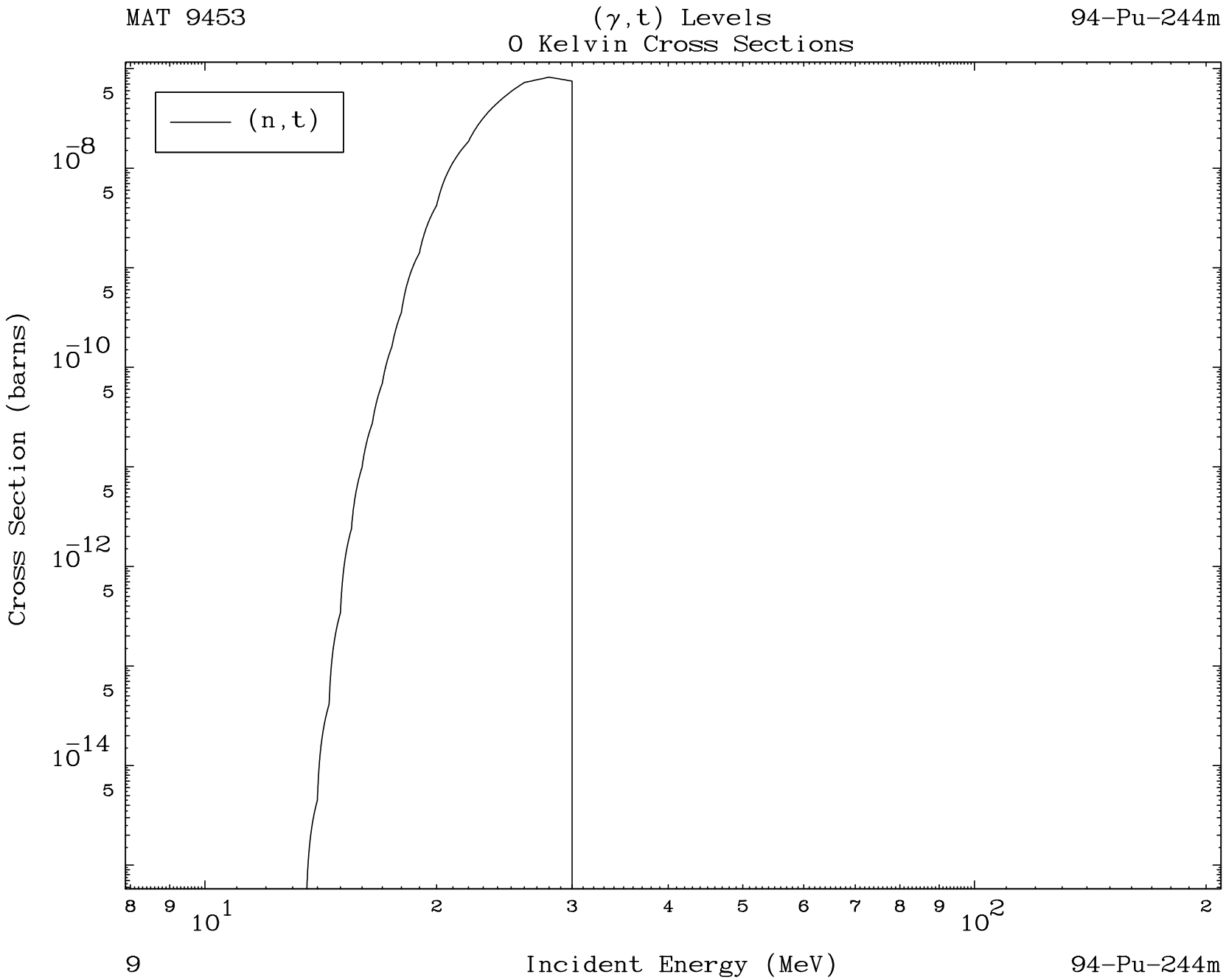

MAT 9453
Photon Charged Particle
0 Kelvin Cross Sections
94-Pu-244m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
94-Pu-244m

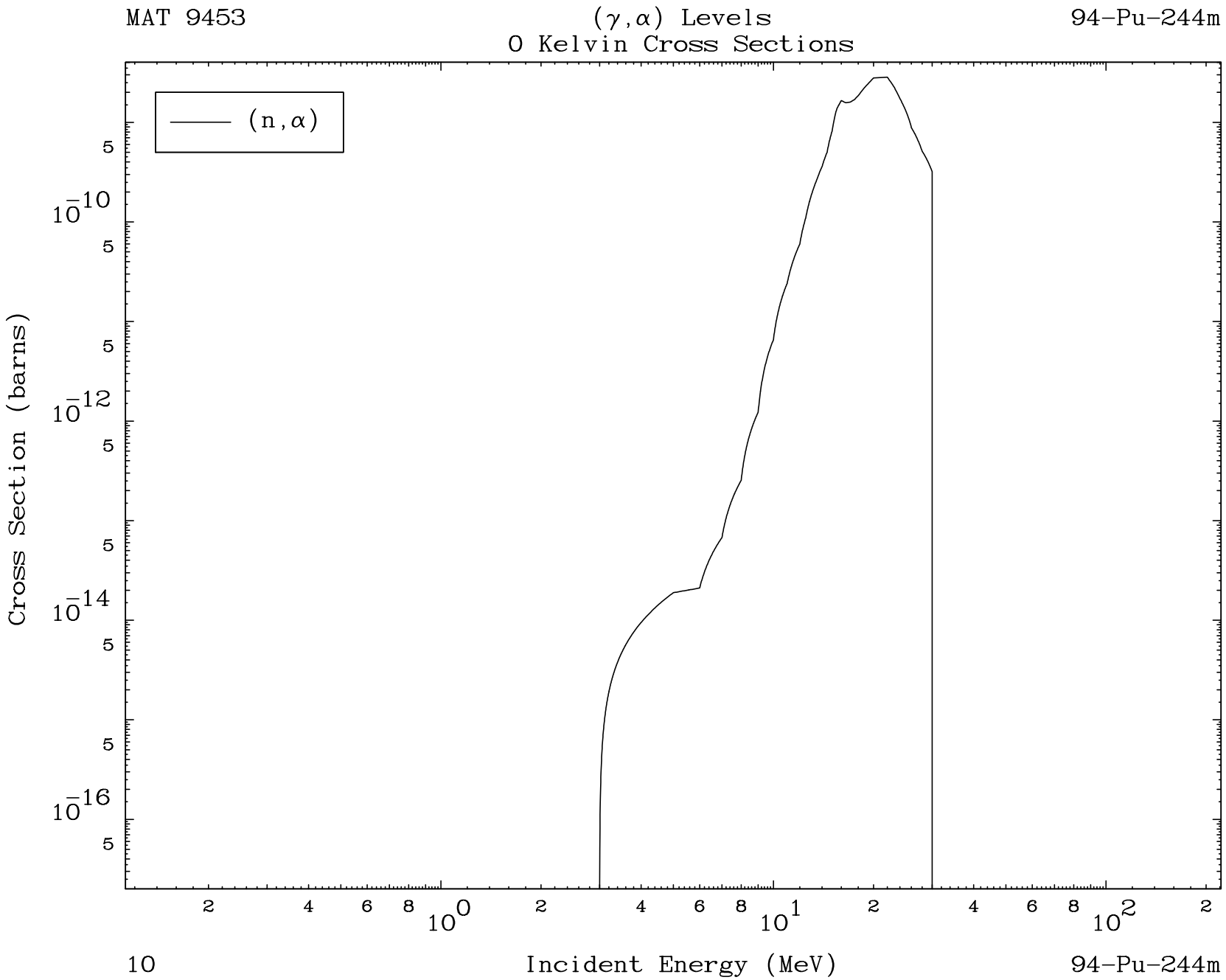

MAT 9453
Photon Fission
94-Pu-244m
0 Kelvin Cross Sections
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,3nf) Fourth Chance
Cross Section (barns)
Incident Energy (MeV)
94-Pu-244m
5

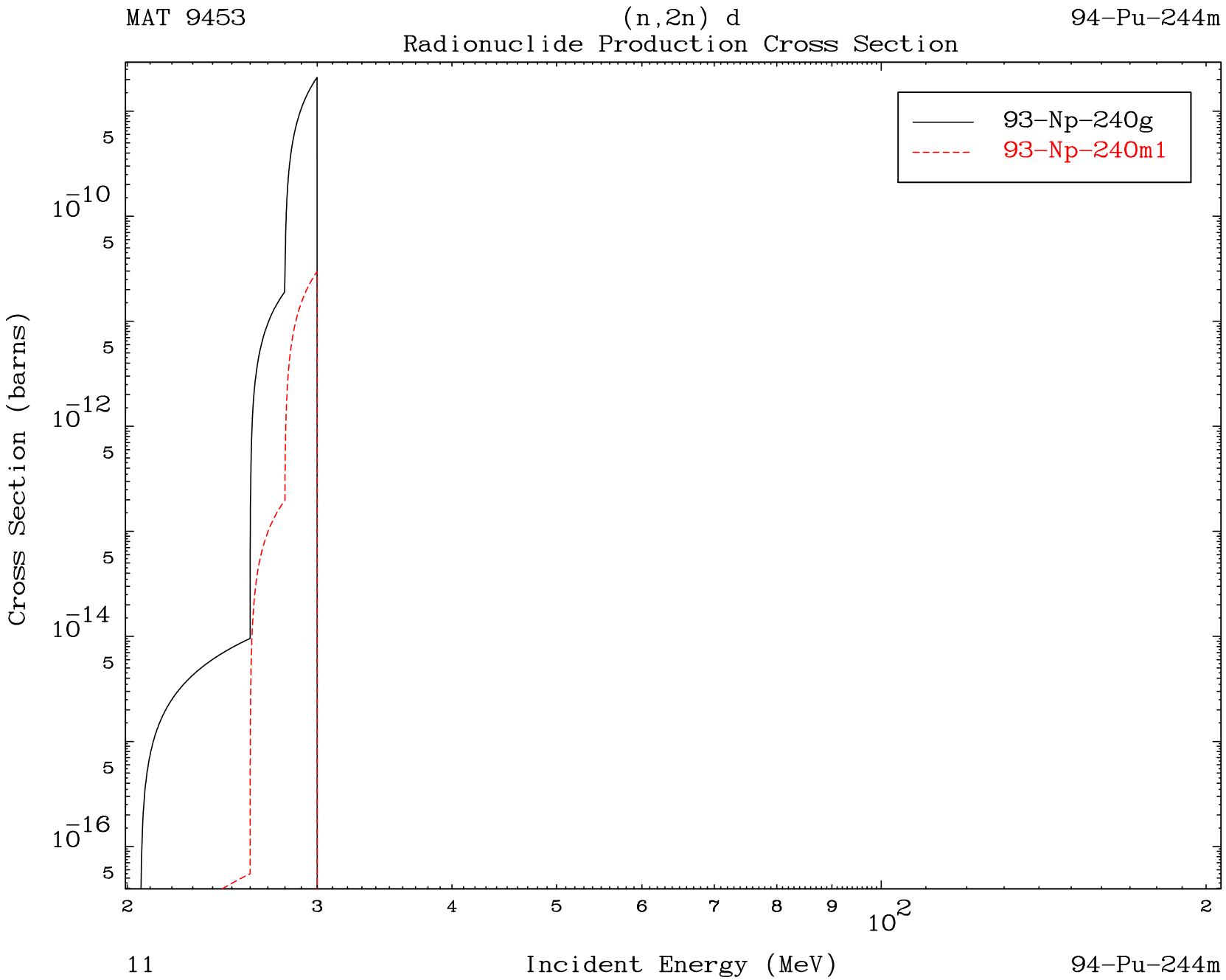

MAT 9453
(γ,n') Levels
0 Kelvin Cross Sections
94-Pu-244m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
94-Pu-244m

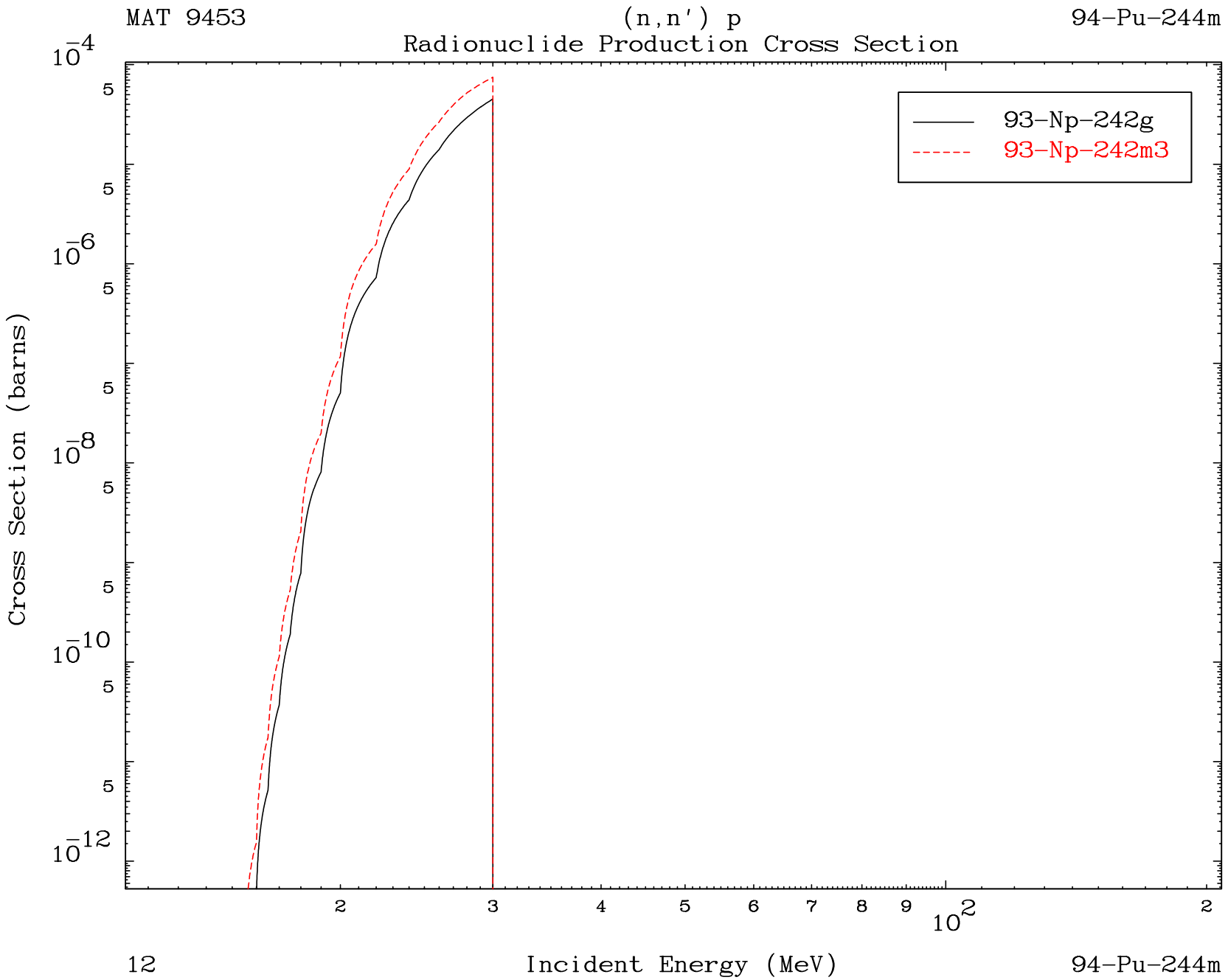

MAT 9453
(γ,p) Levels
94-Pu-244m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
94-Pu-244m
7

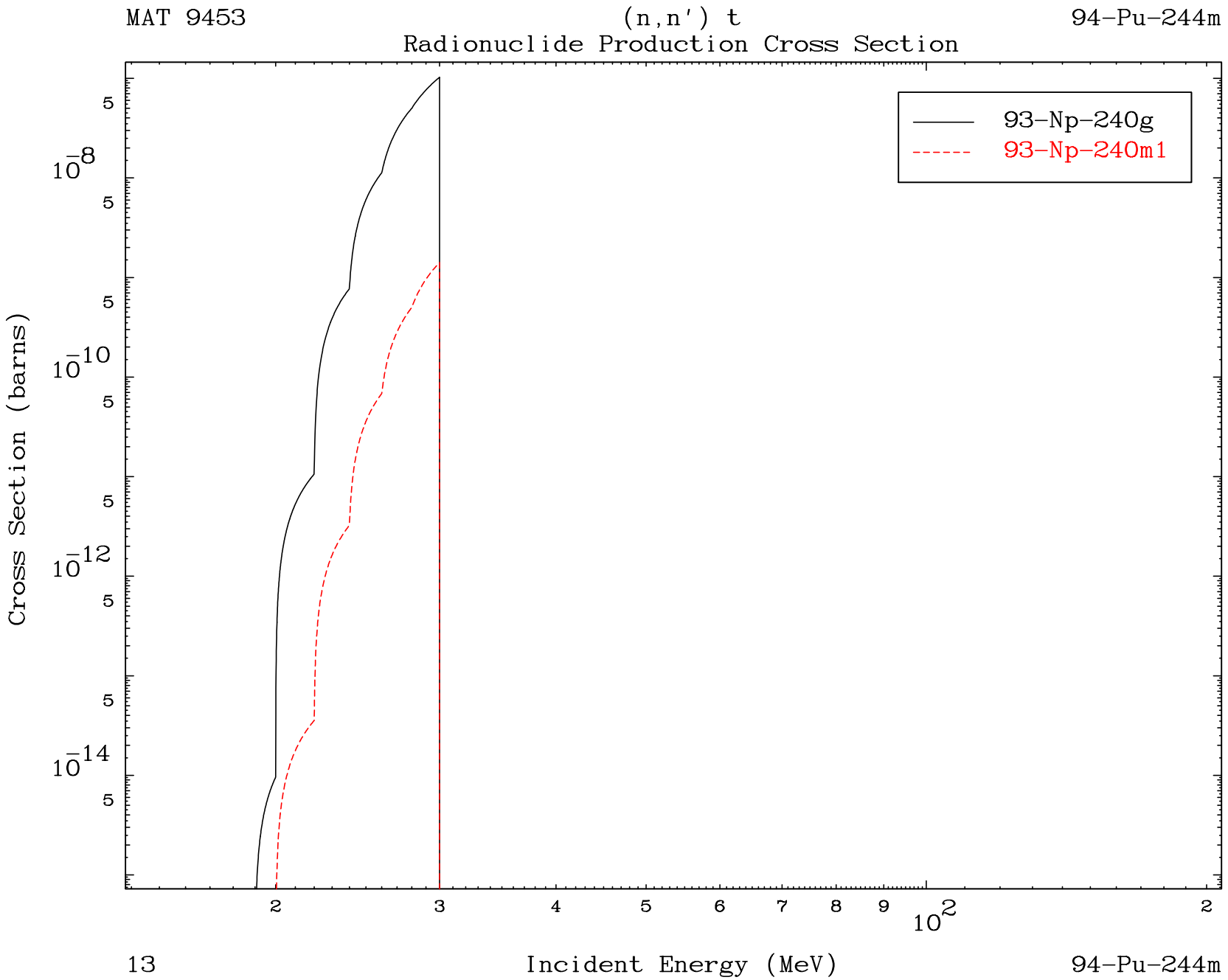

MAT 9453
(γ,d) Levels
94-Pu-244m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
8
94-Pu-244m

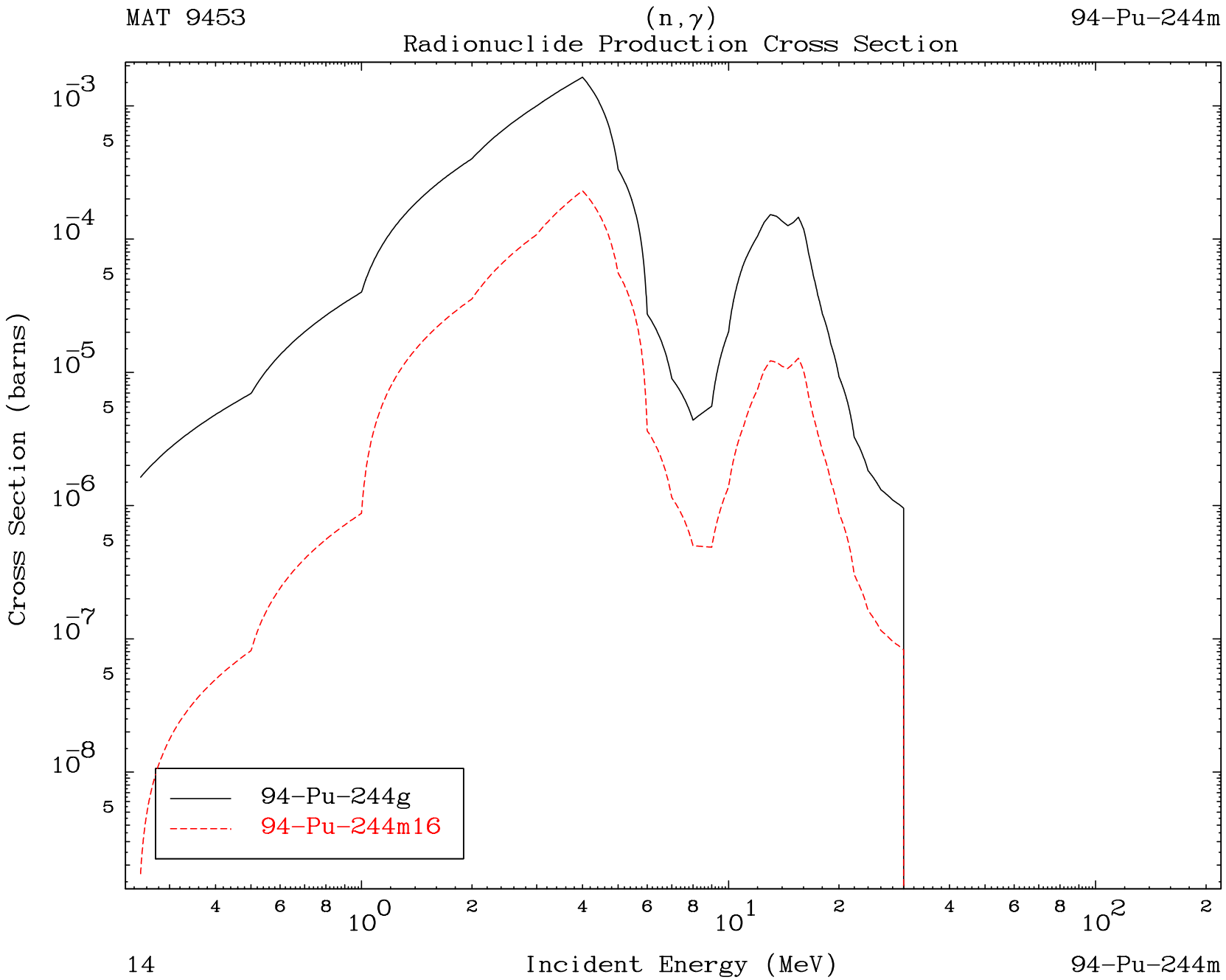

MAT 9453
(γ,t) Levels
94-Pu-244m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
94-Pu-244m

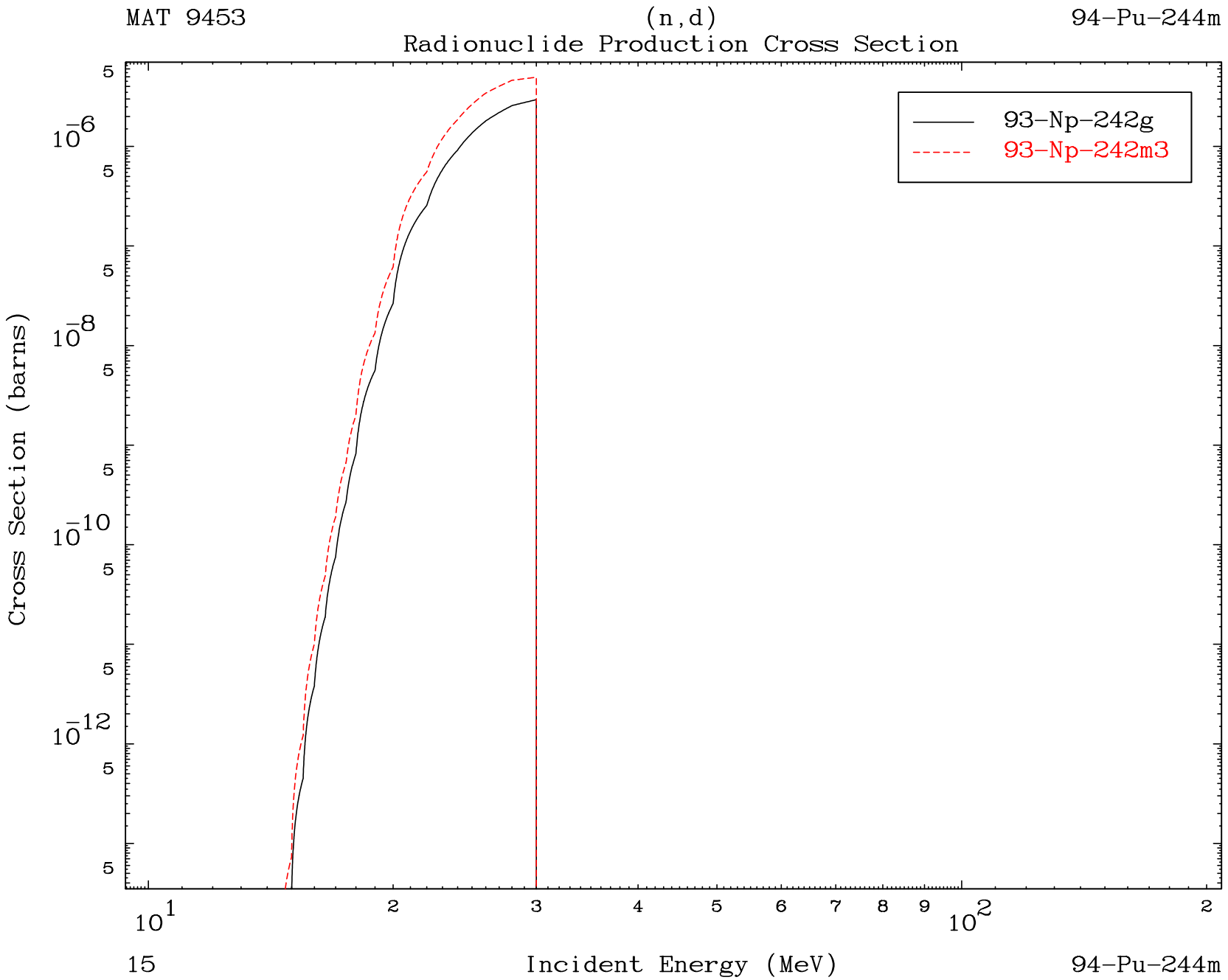

MAT 9453
(γ,α) Levels
94-Pu-244m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10
Incident Energy (MeV)
94-Pu-244m


MAT 9453
(n,2n) d
94-Pu-244m
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
Cross Section (barns)
Incident Energy (MeV)
11
94-Pu-244m


MAT 9453
(n,n') p
94-Pu-244m
Radionuclide Production Cross Section
93-Np-242g
93-Np-242m3
Cross Section (barns)
Incident Energy (MeV)
12
94-Pu-244m


MAT 9453
(n,n') t
94-Pu-244m
Radionuclide Production Cross Section
93-Np-240g
93-Np-240m1
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)
94-Pu-244m


MAT 9453
(n,γ)
94-Pu-244m
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
5
4
6
8
100
2
101
102
94-Pu-244g
94-Pu-244m16
14
Incident Energy (MeV)
94-Pu-244m


MAT 9453
(n,d)
94-Pu-244m
Radionuclide Production Cross Section
93-Np-242g
93-Np-242m3
Cross Section (barns)
Incident Energy (MeV)
94-Pu-244m
15