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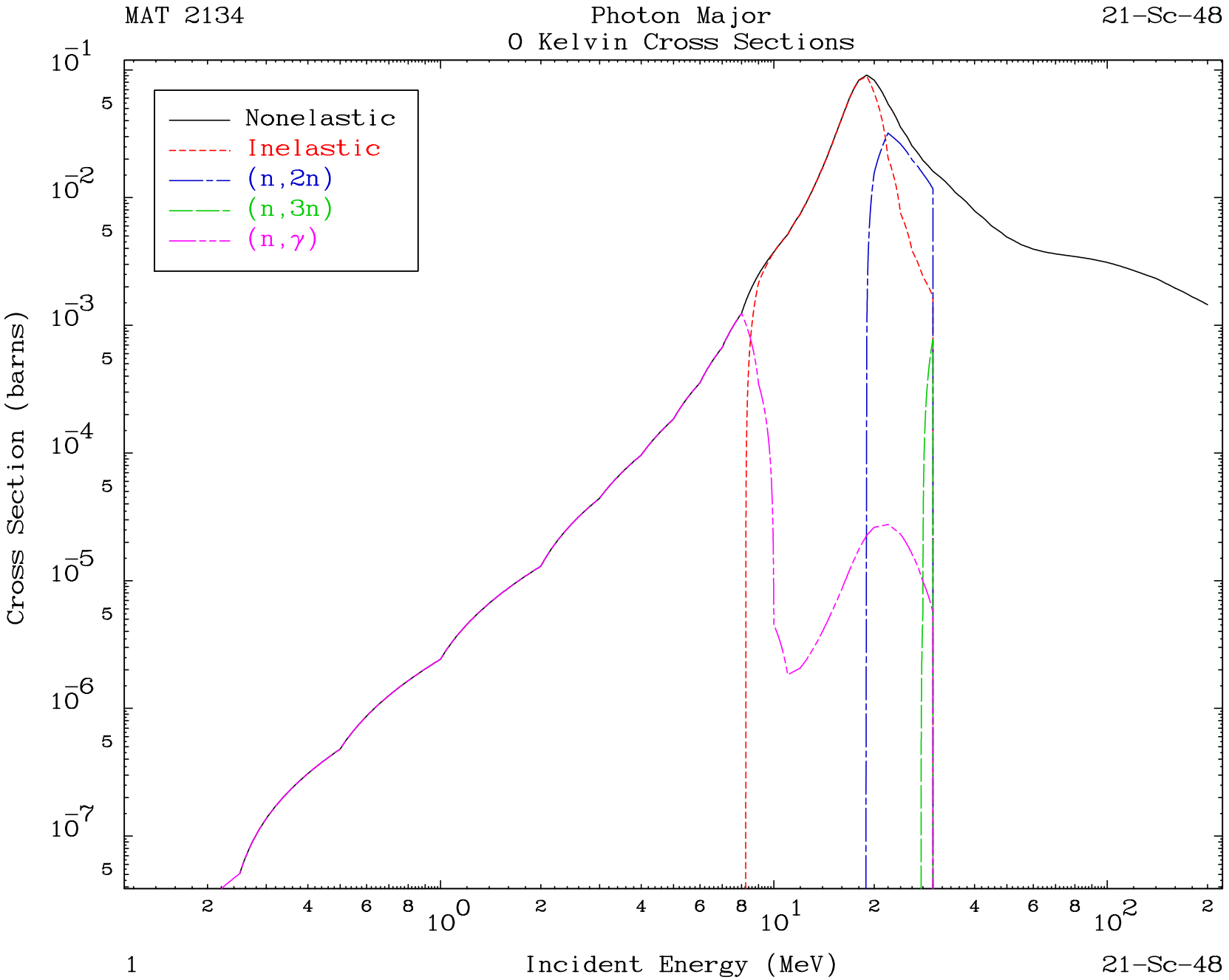
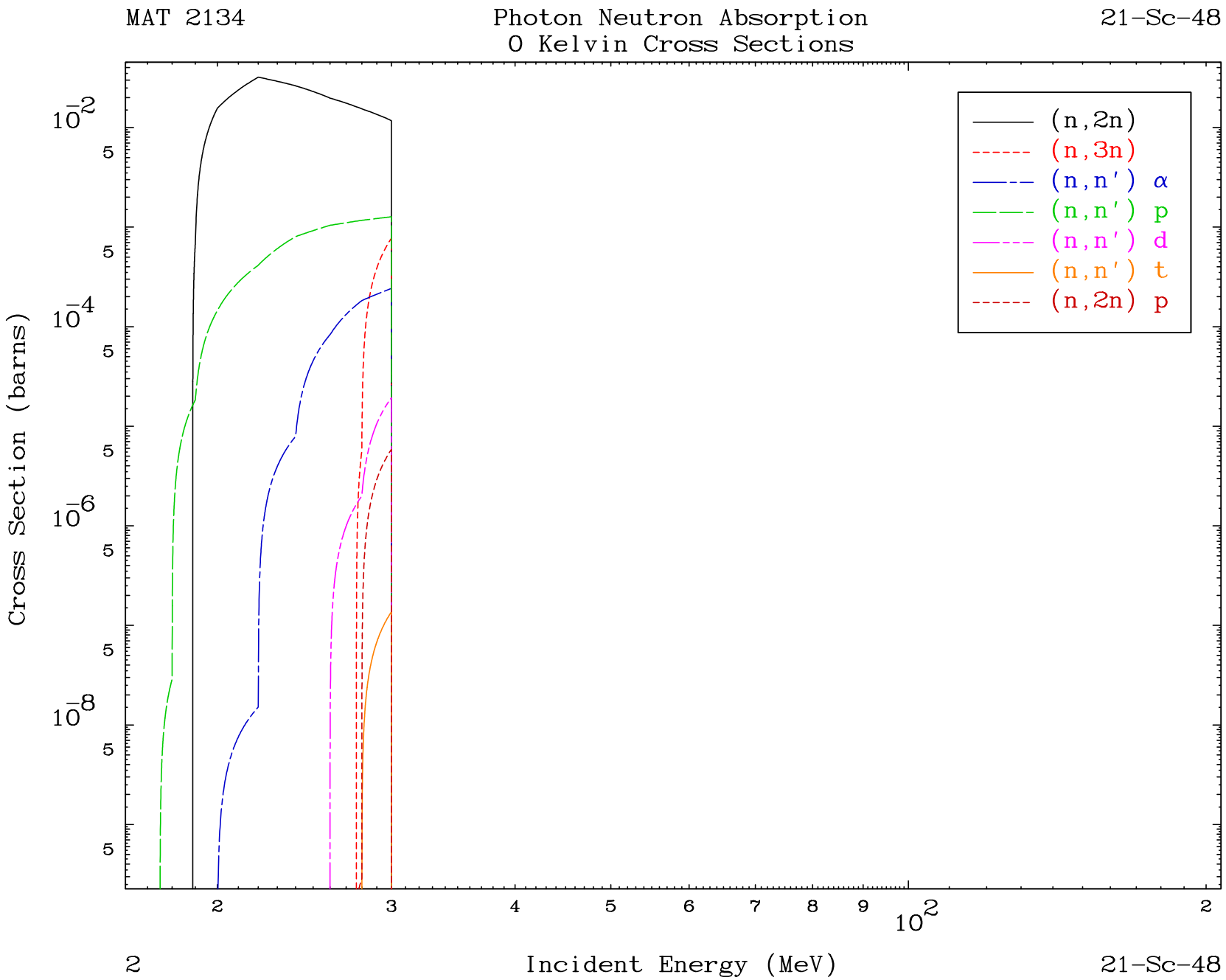
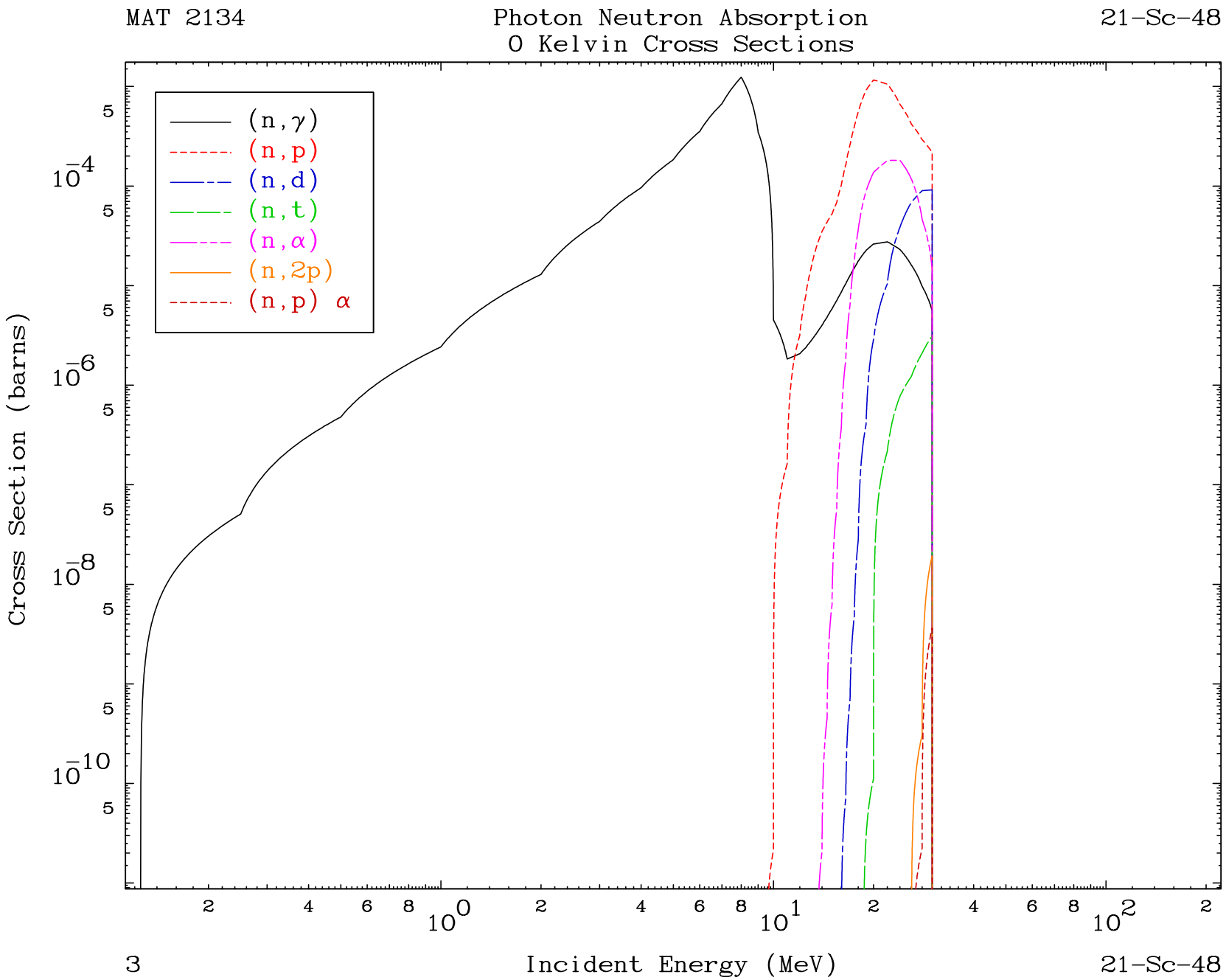
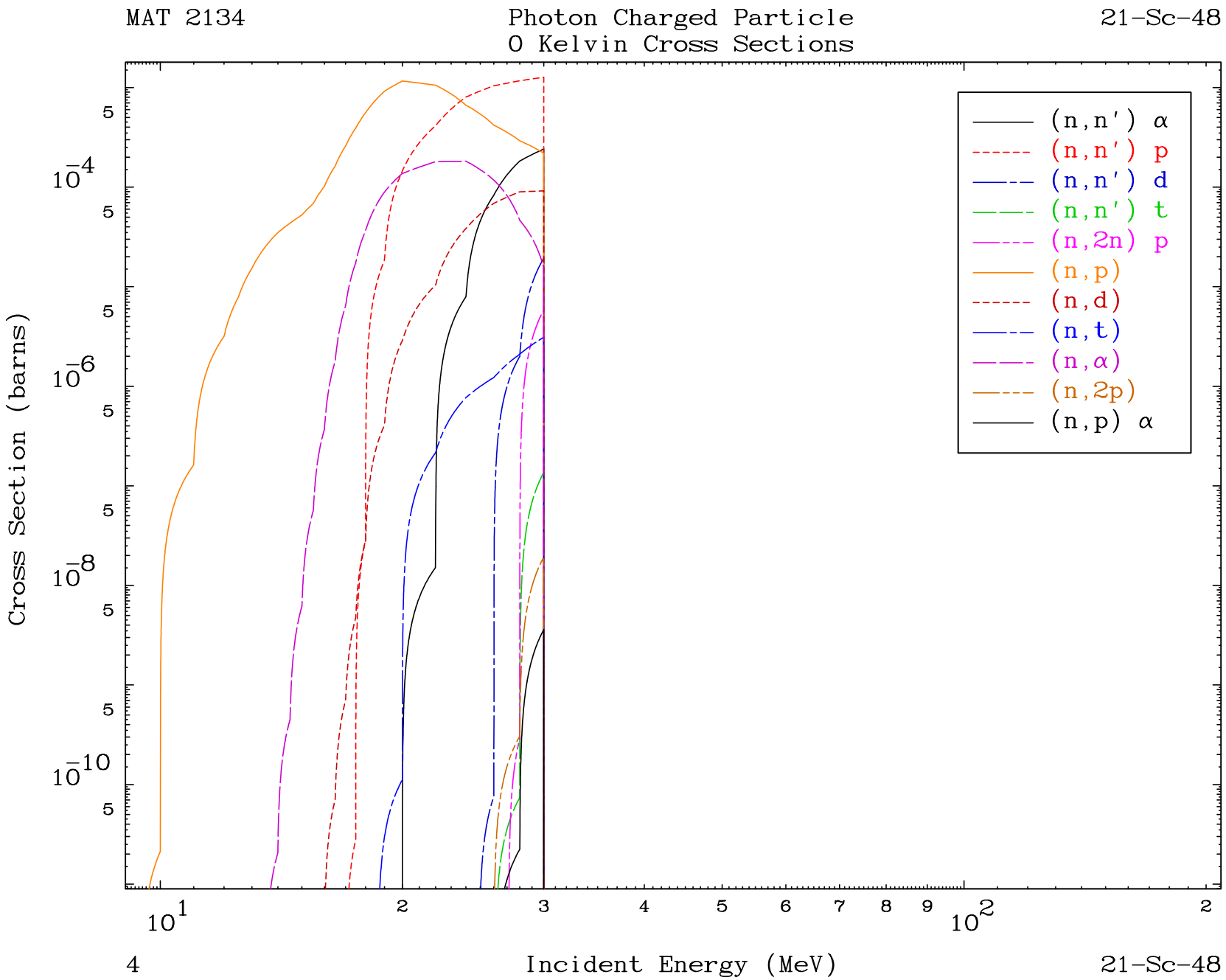
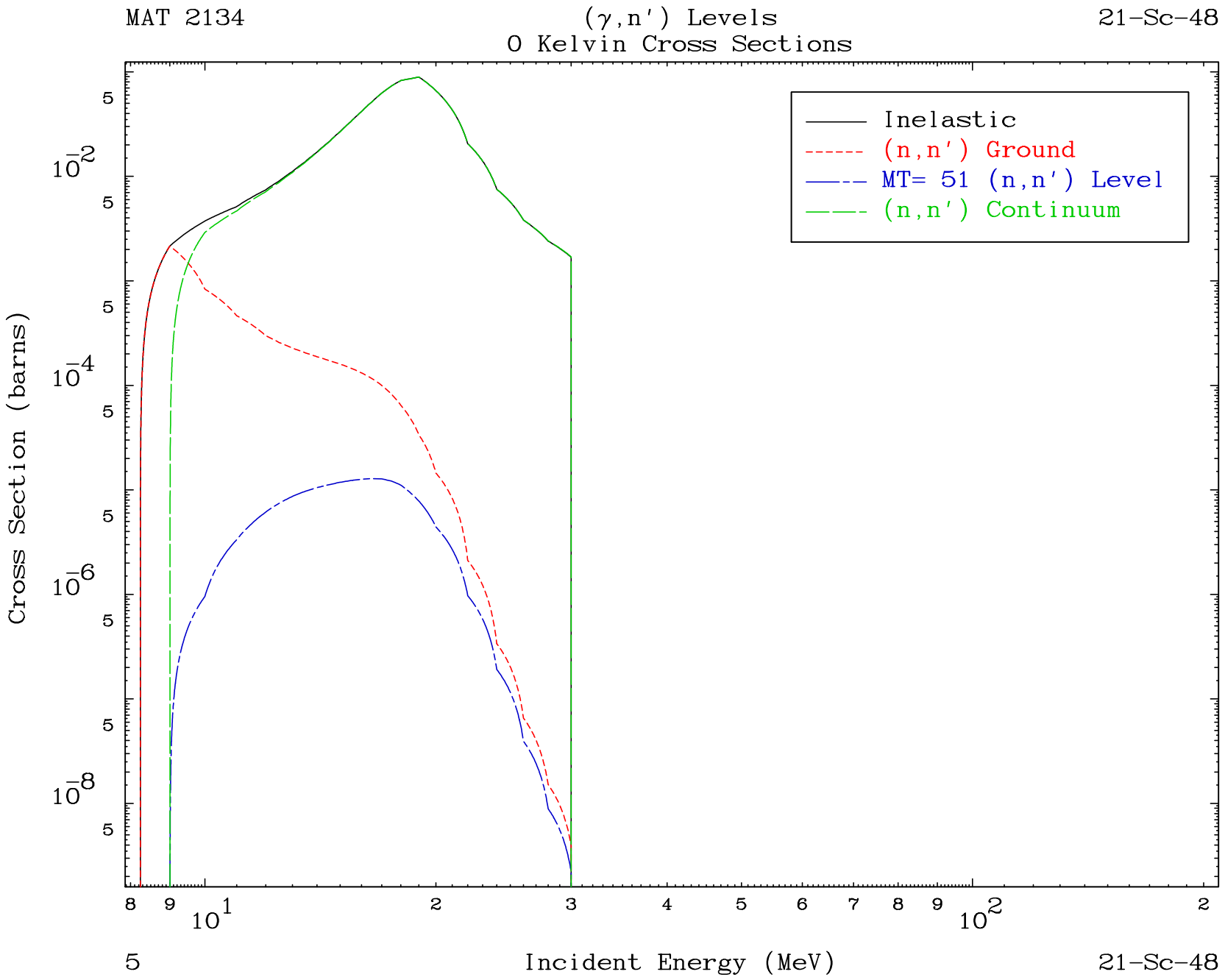
Press Mouse Button to Start

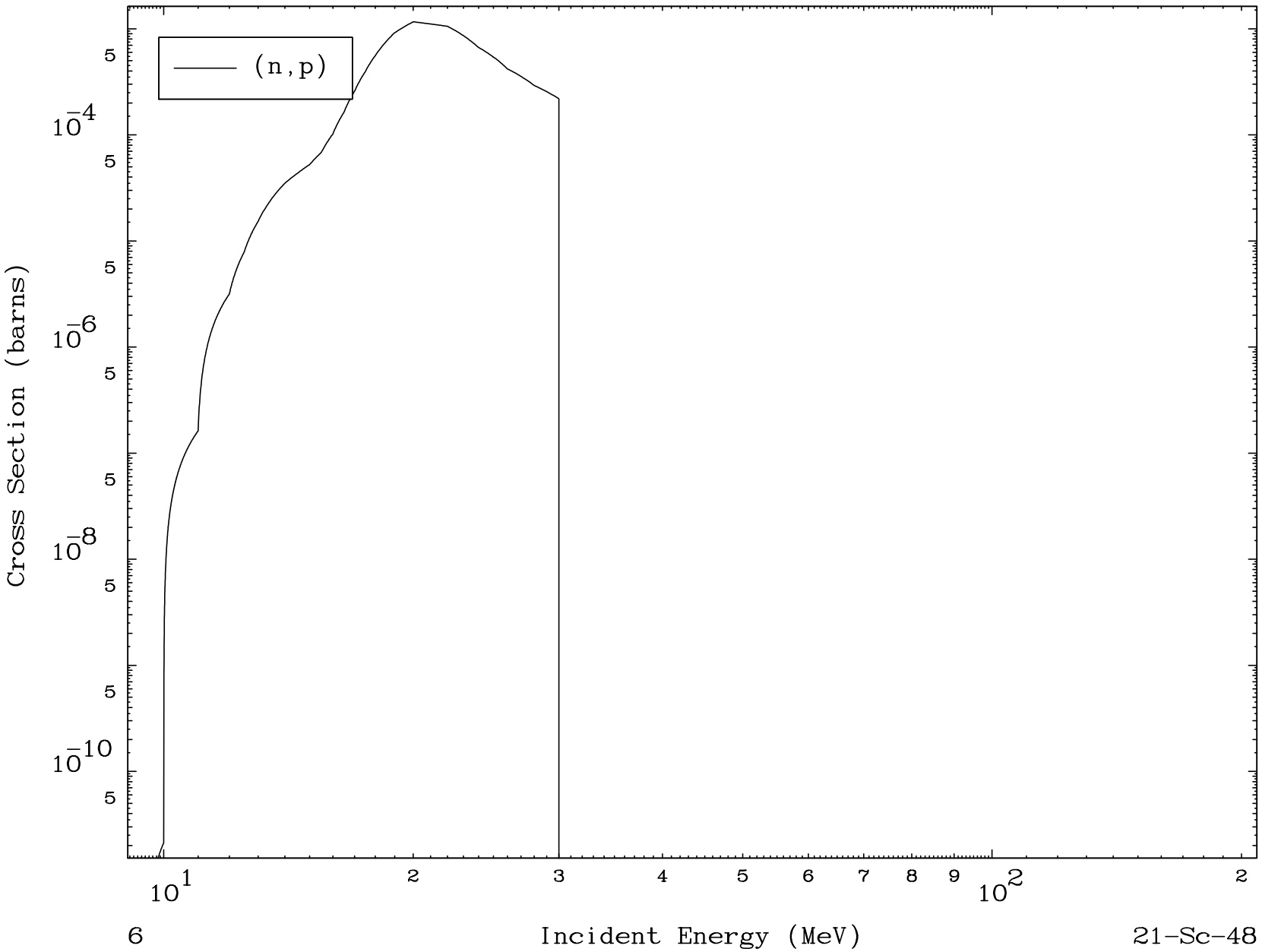

MAT 2134
Photon Major
21-Sc-48
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
21-Sc-48

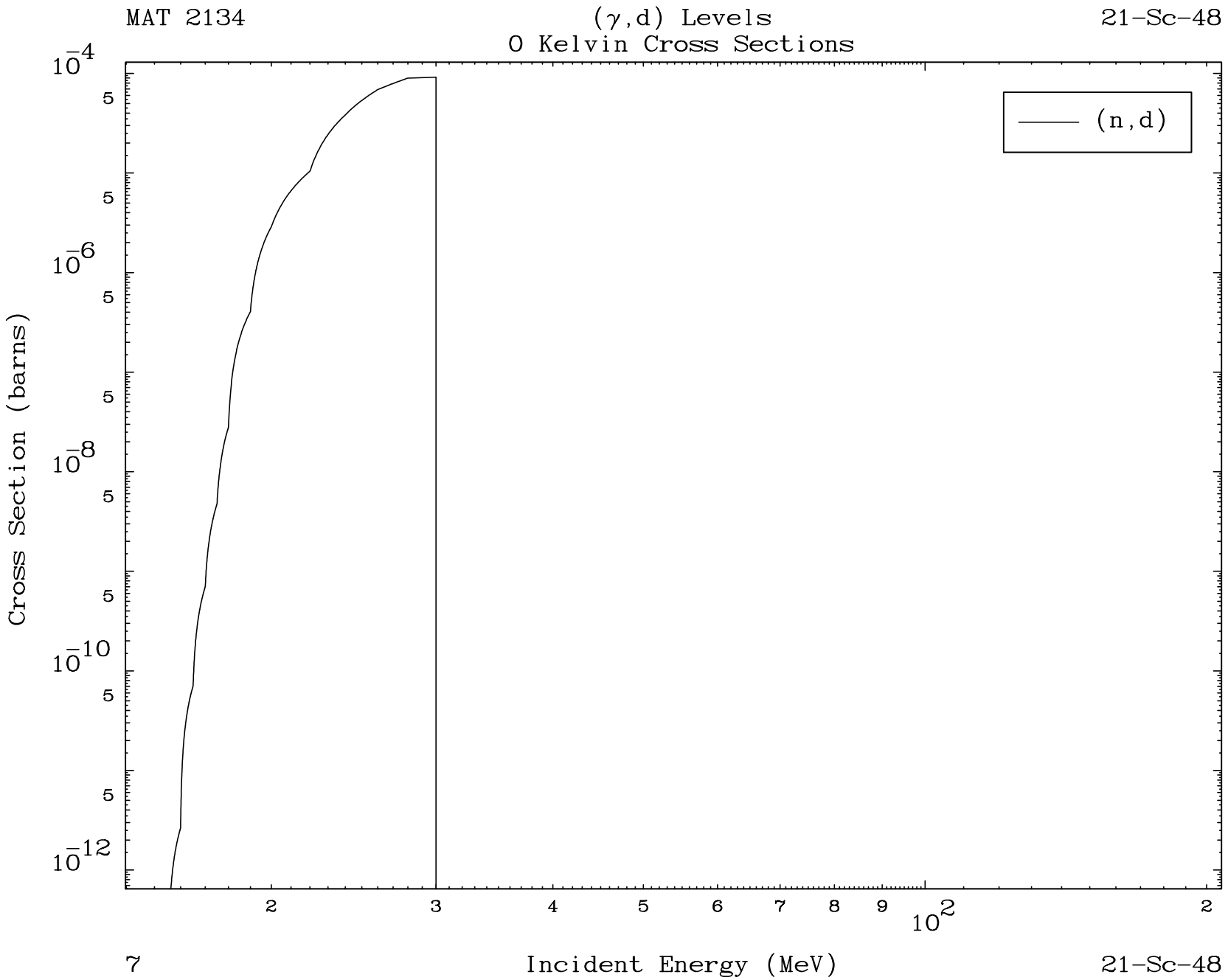

MAT 2134
Photon Neutron Absorption
0 Kelvin Cross Sections
21-Sc-48
(n,2n)
(n,3n)
(n,n') α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
21-Sc-48


MAT 2134
Photon Neutron Absorption
0 Kelvin Cross Sections
21-Sc-48
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
3
21-Sc-48

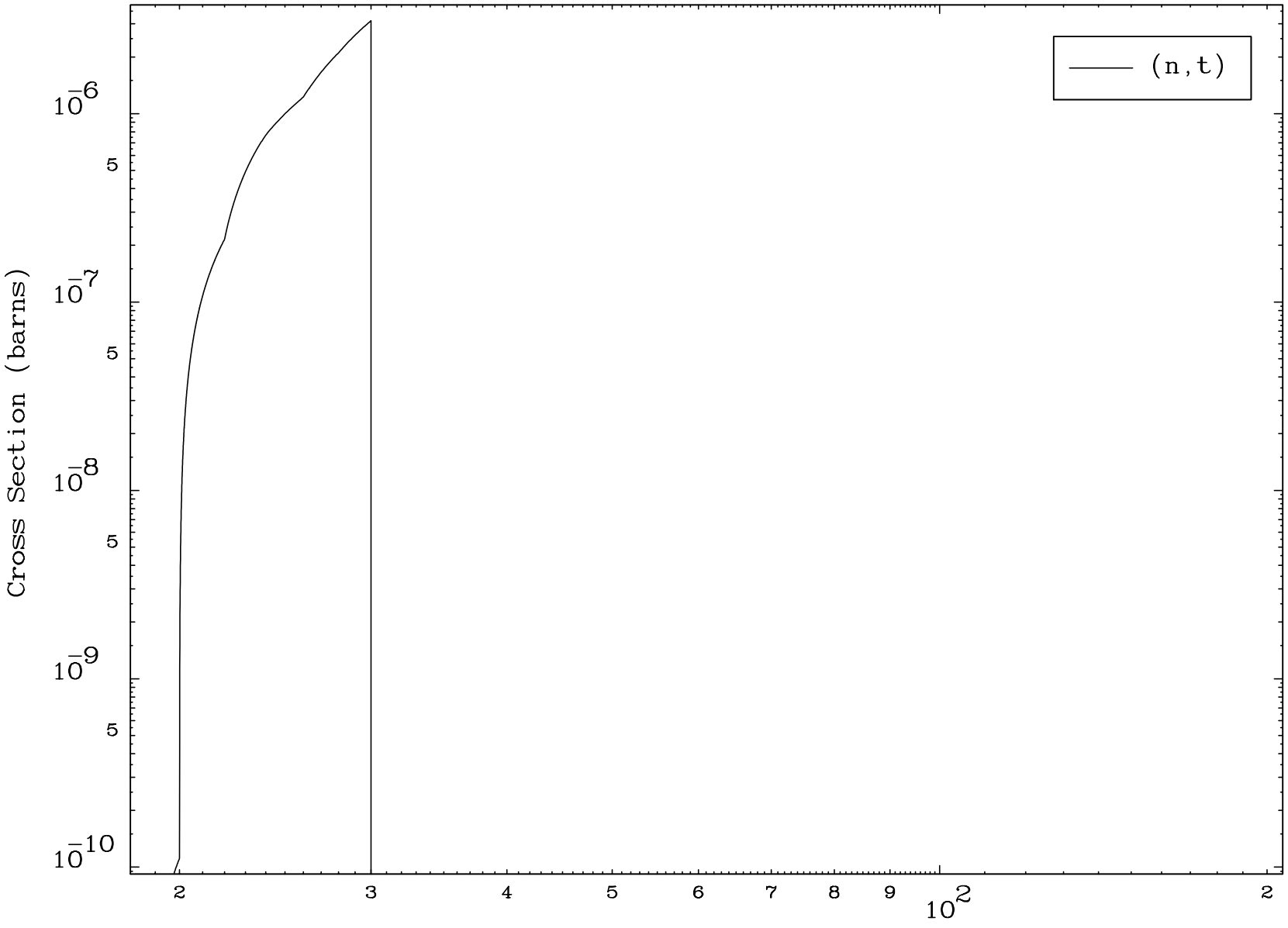

MAT 2134
Photon Charged Particle
0 Kelvin Cross Sections
21-Sc-48
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
4
21-Sc-48

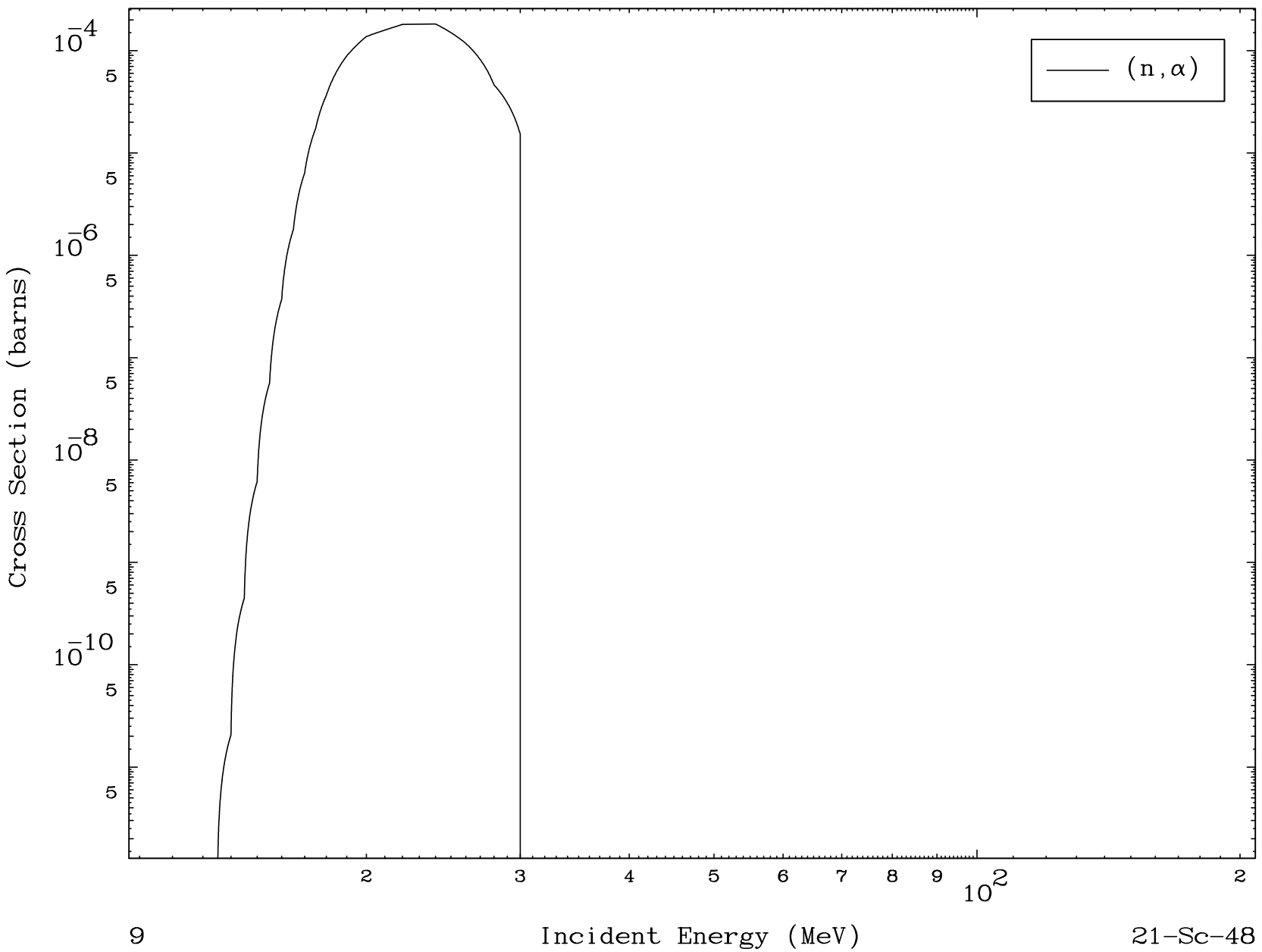

MAT 2134
(γ,n') Levels
21-Sc-48
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
21-Sc-48
5

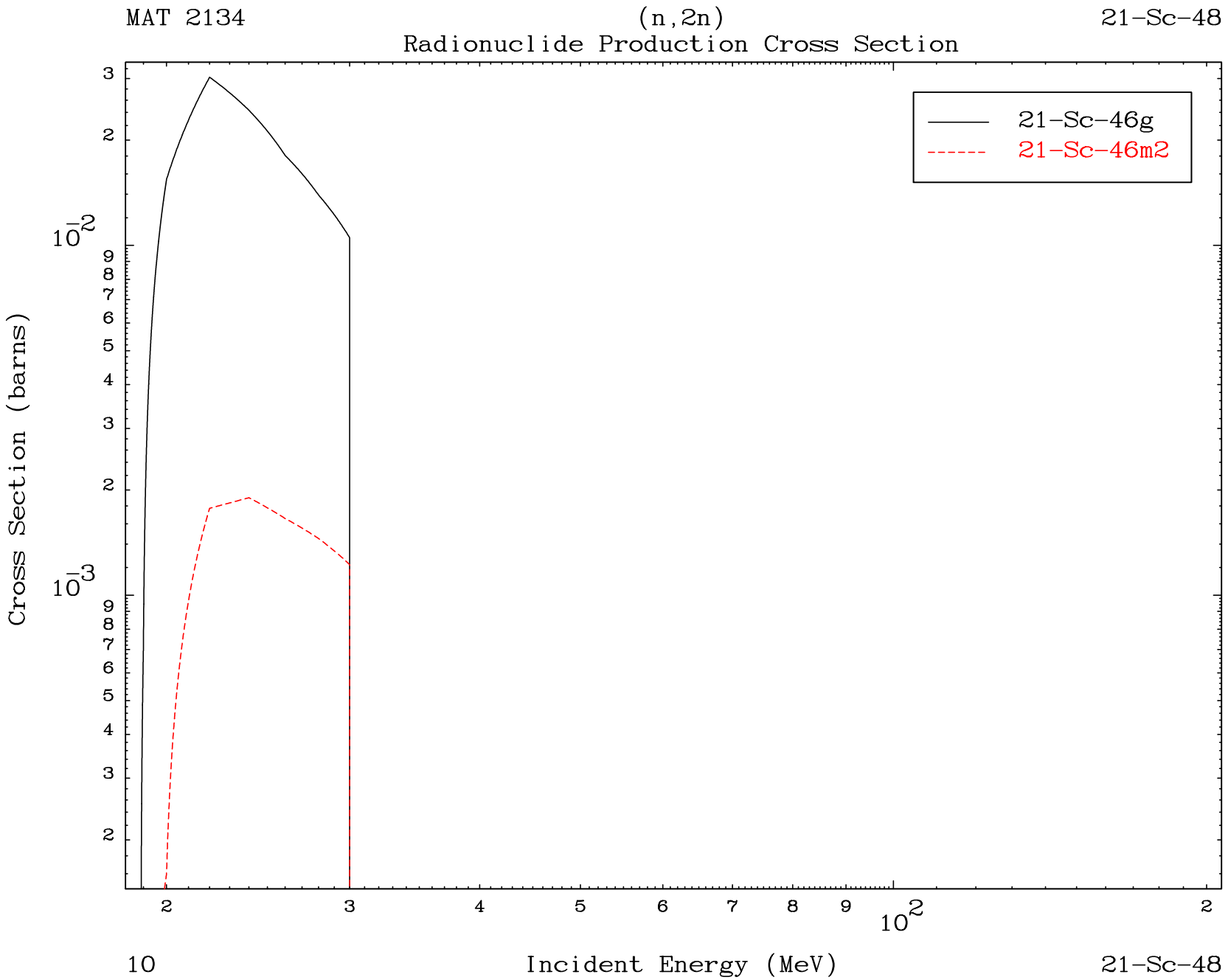

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

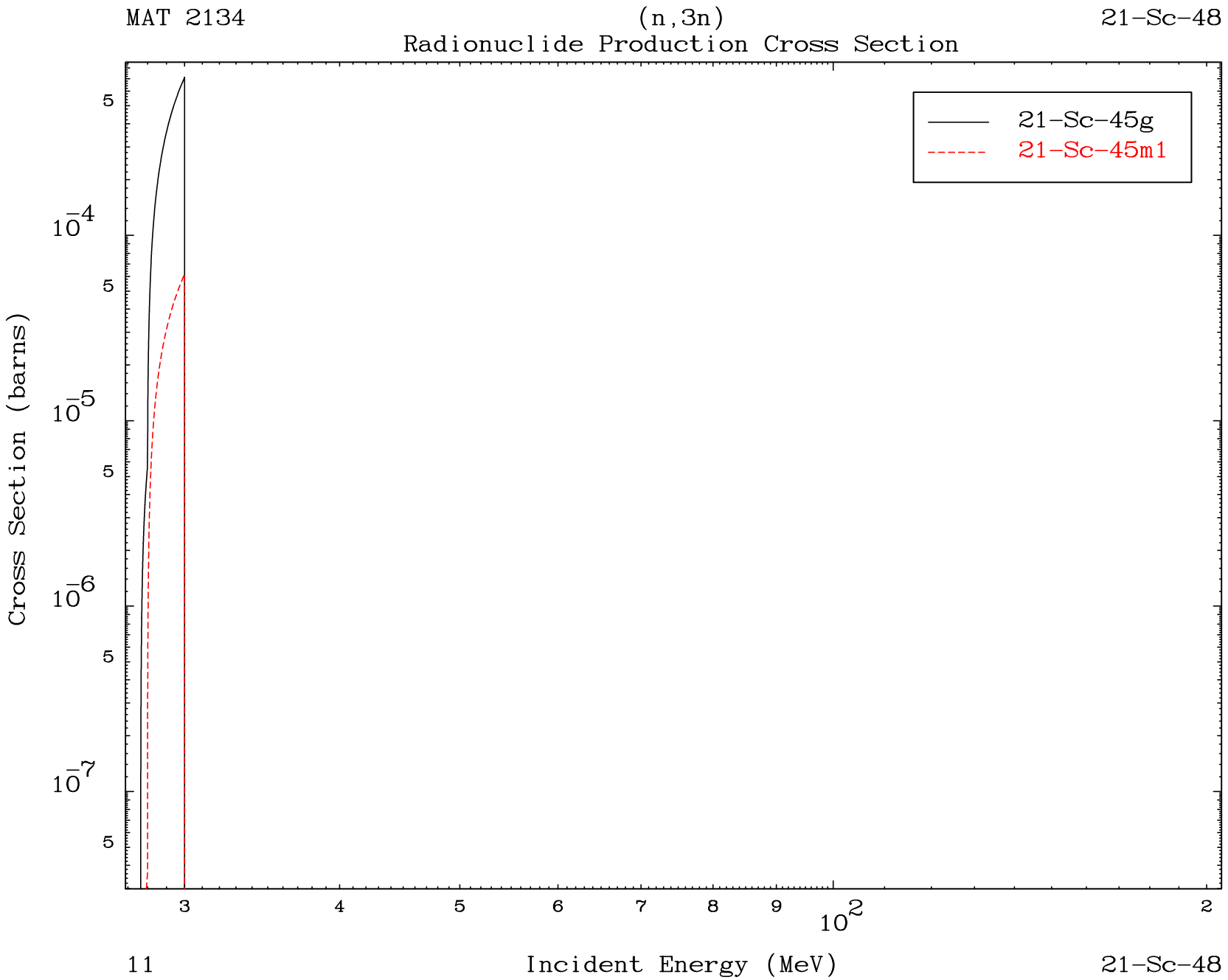

MAT 2134
(γ,d) Levels
21-Sc-48
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
21-Sc-48

0 Kelvin Cross Sections




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


MAT 2134
(n,2n)
21-Sc-48
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
21-Sc-48


MAT 2134
(n,3n)
21-Sc-48
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10^-4
10^-5
10^-6
10^-7
5
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
21-Sc-48