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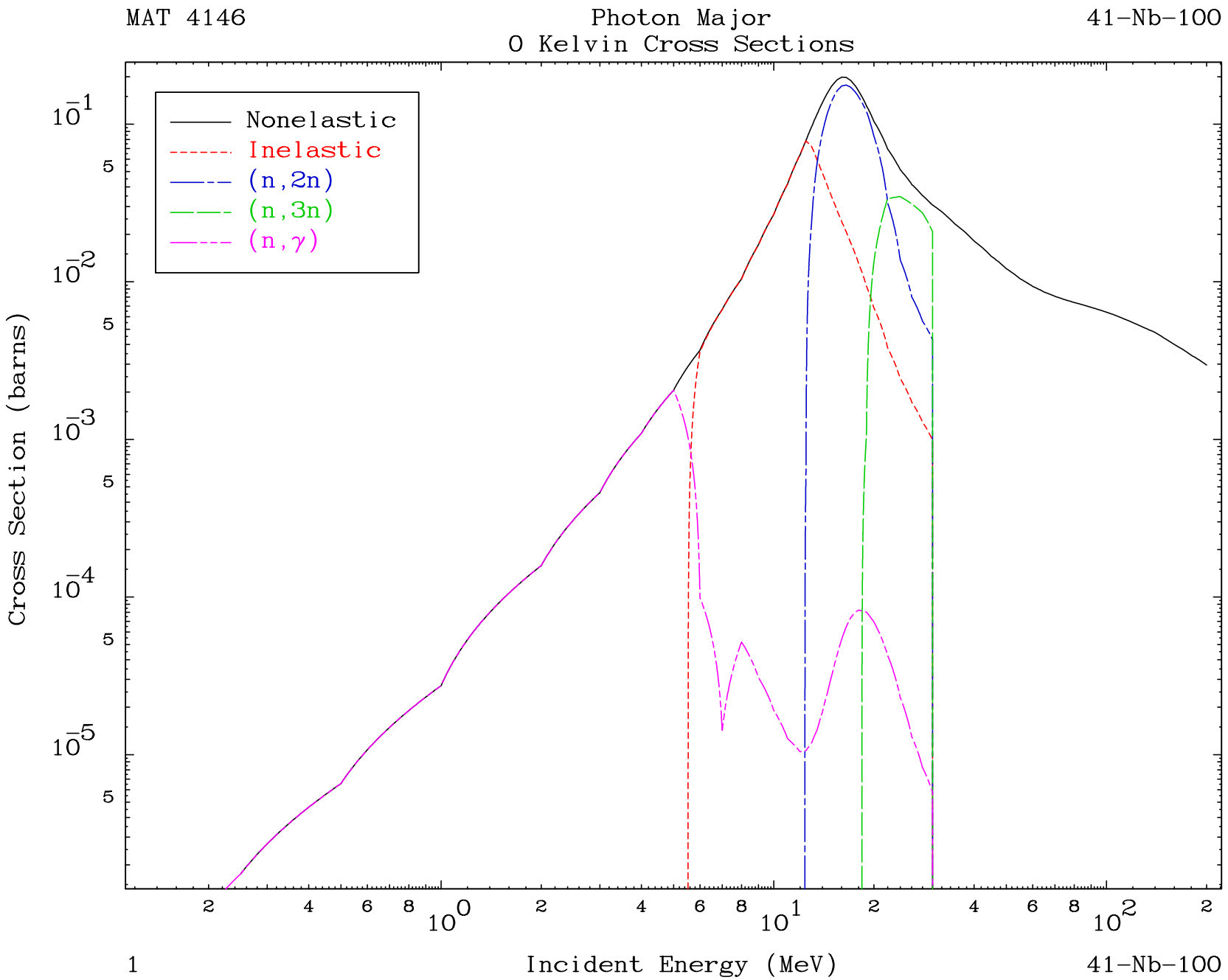
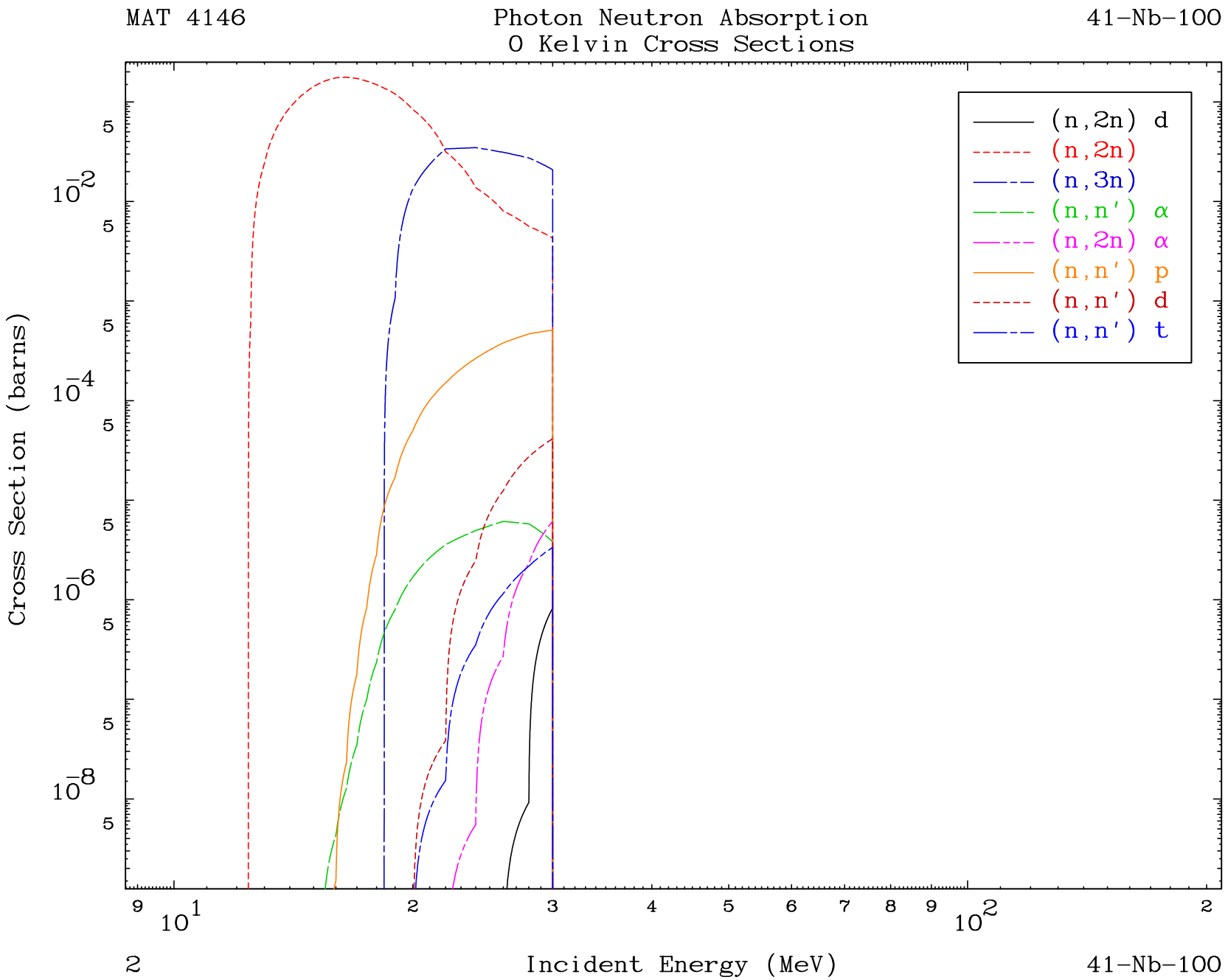
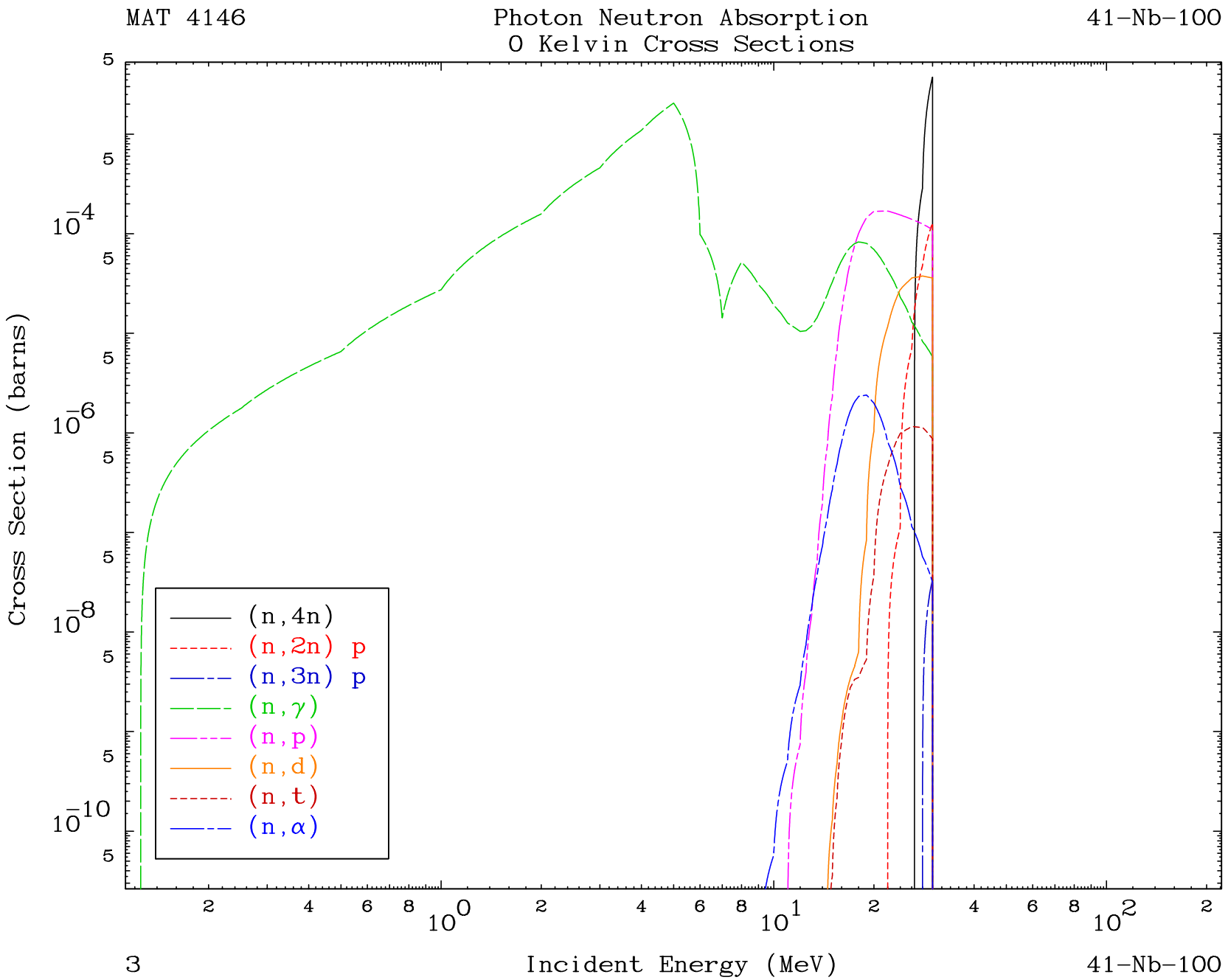
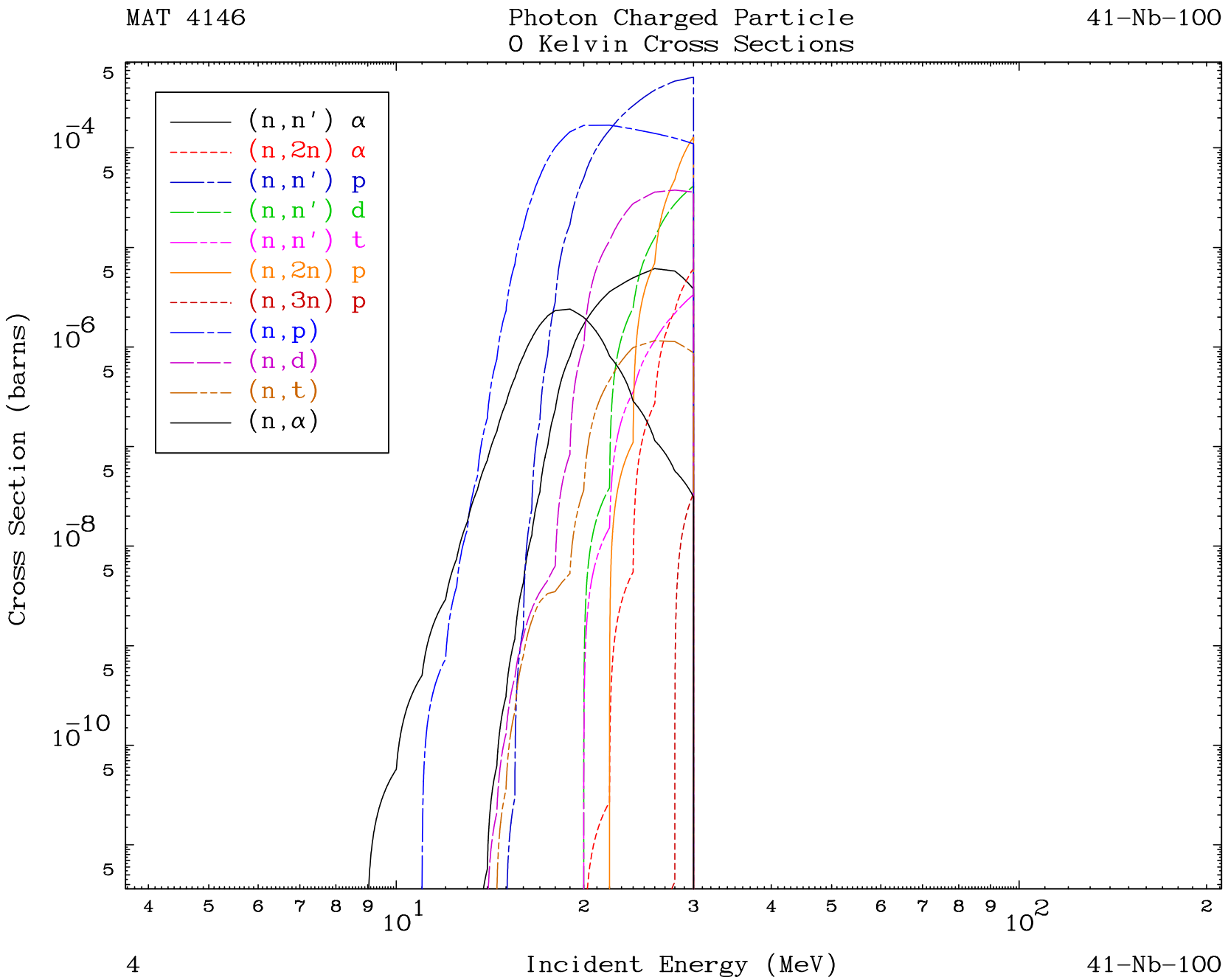
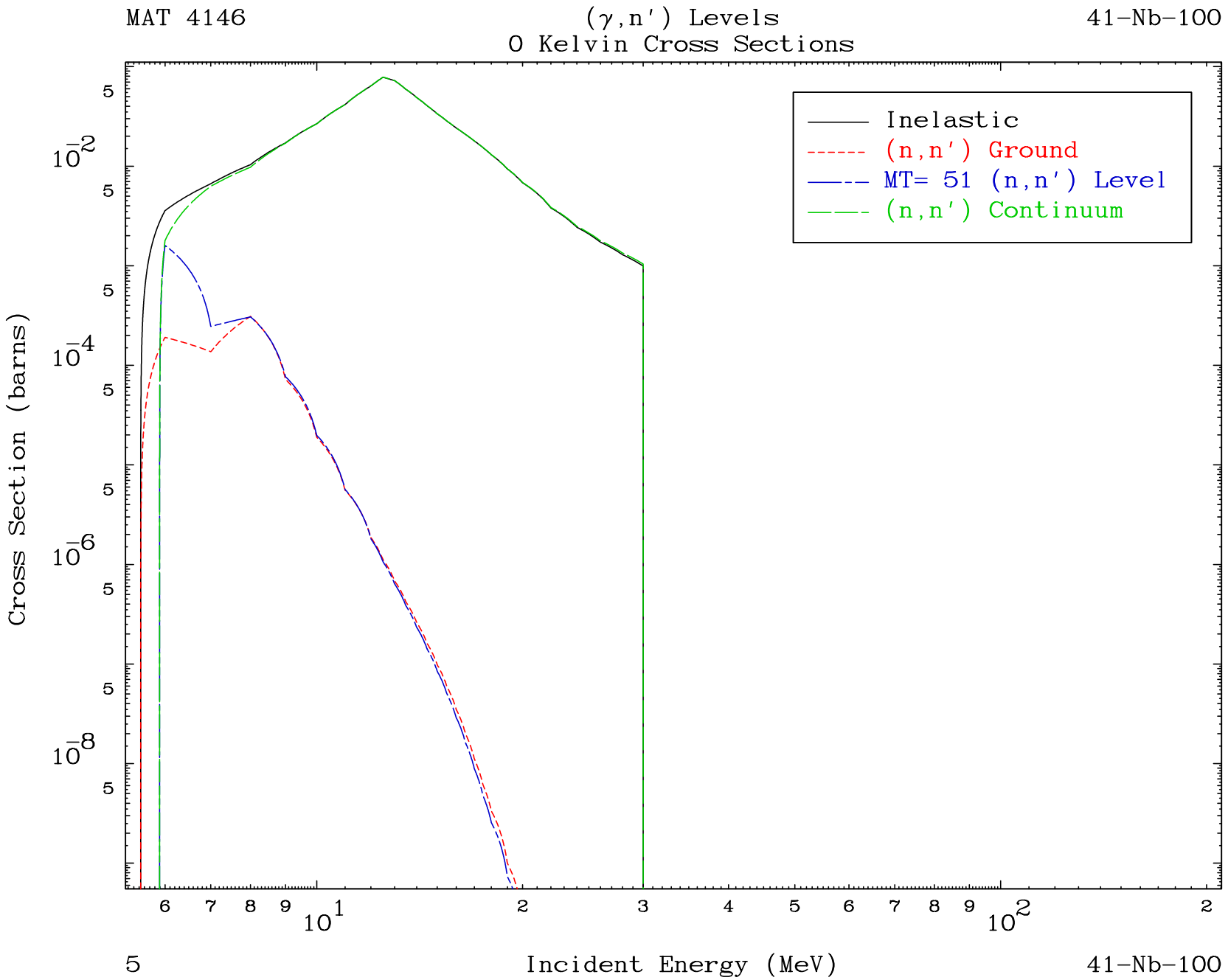
Press Mouse Button to Start

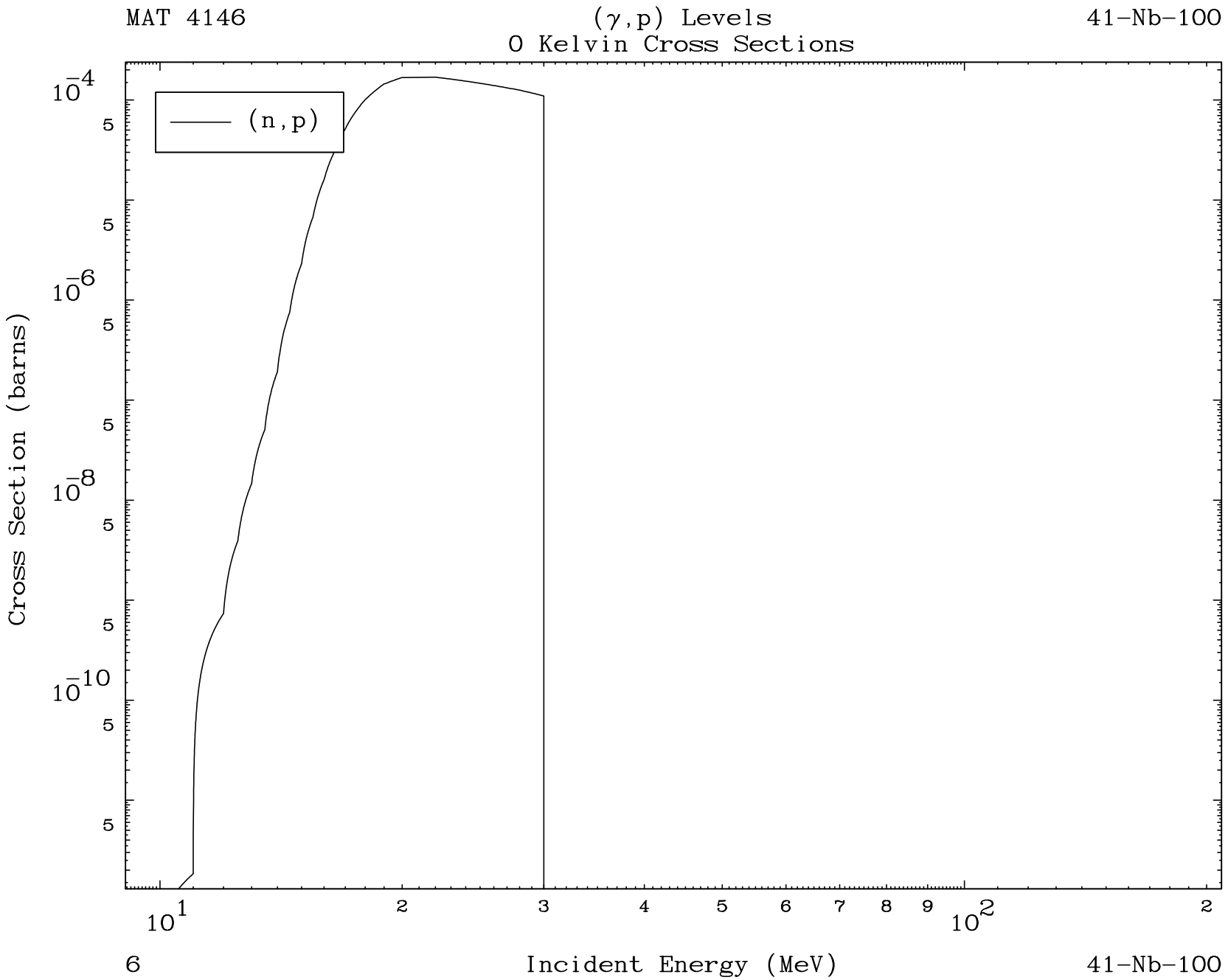

MAT 4146
Photon Major
41-Nb-100
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-100
1

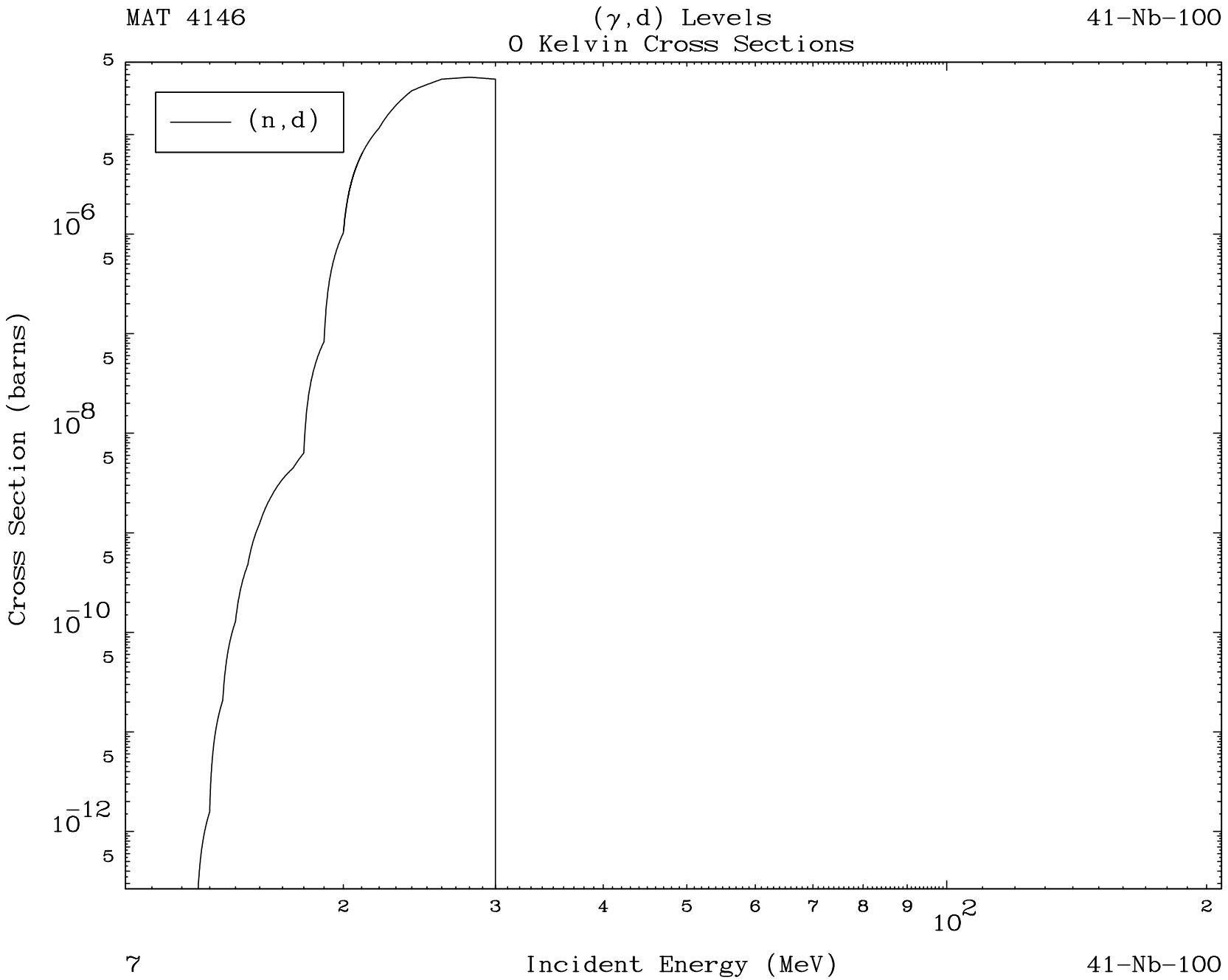

MAT 4146
Photon Neutron Absorption
0 Kelvin Cross Sections
41-Nb-100
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
41-Nb-100

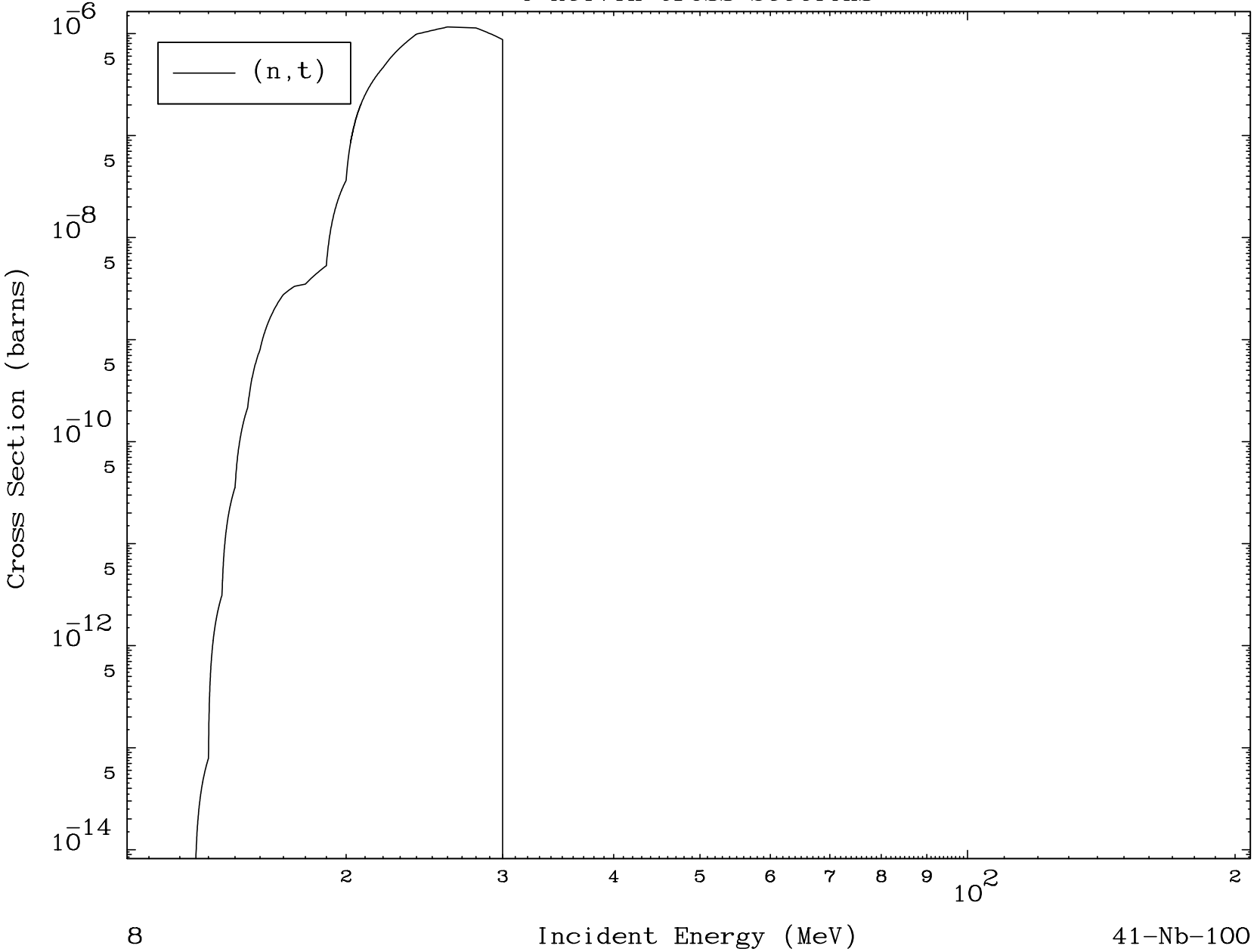

MAT 4146
Photon Neutron Absorption
0 Kelvin Cross Sections
41-Nb-100
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
3
41-Nb-100

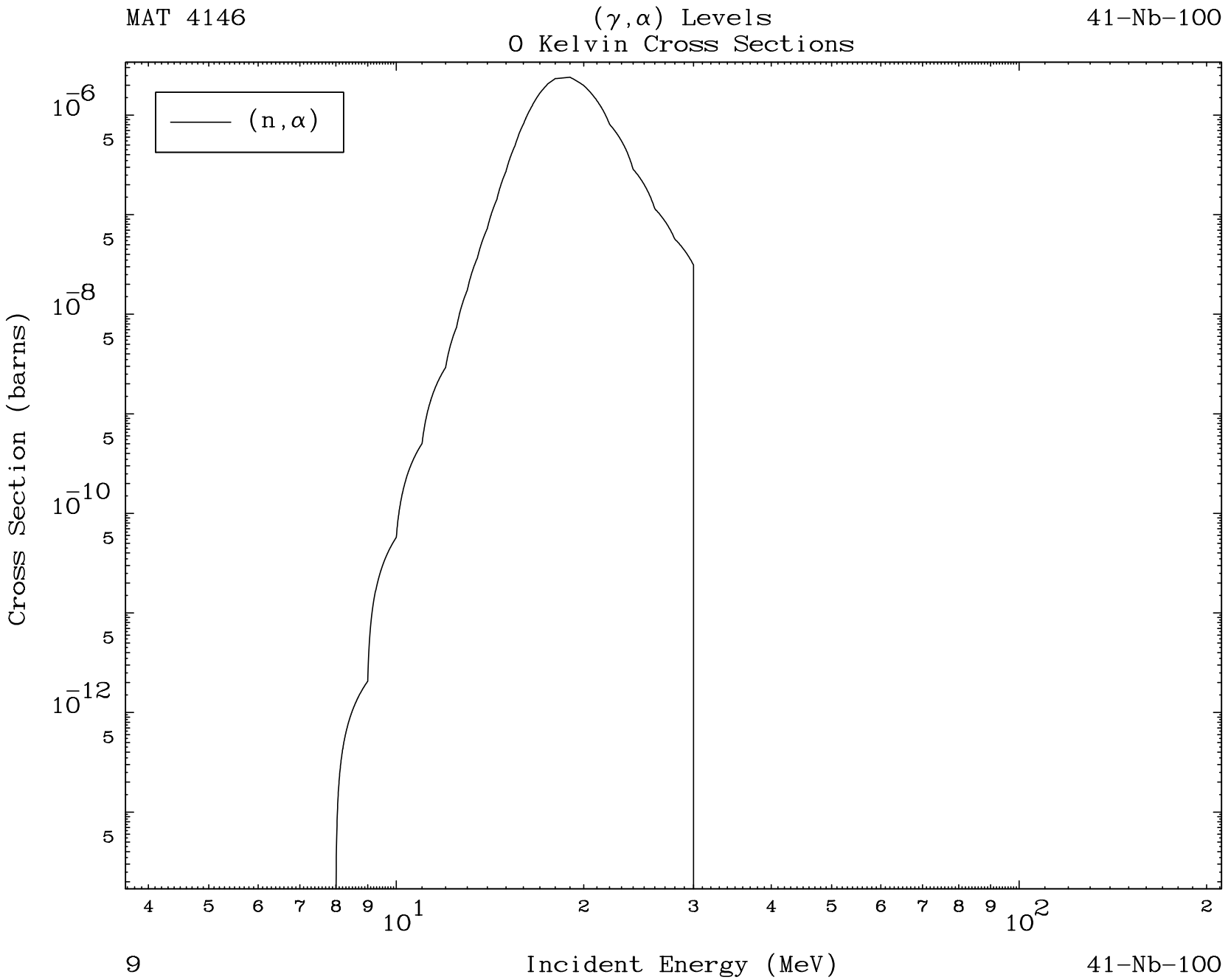

MAT 4146
Photon Charged Particle
0 Kelvin Cross Sections
41-Nb-100
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-100
4

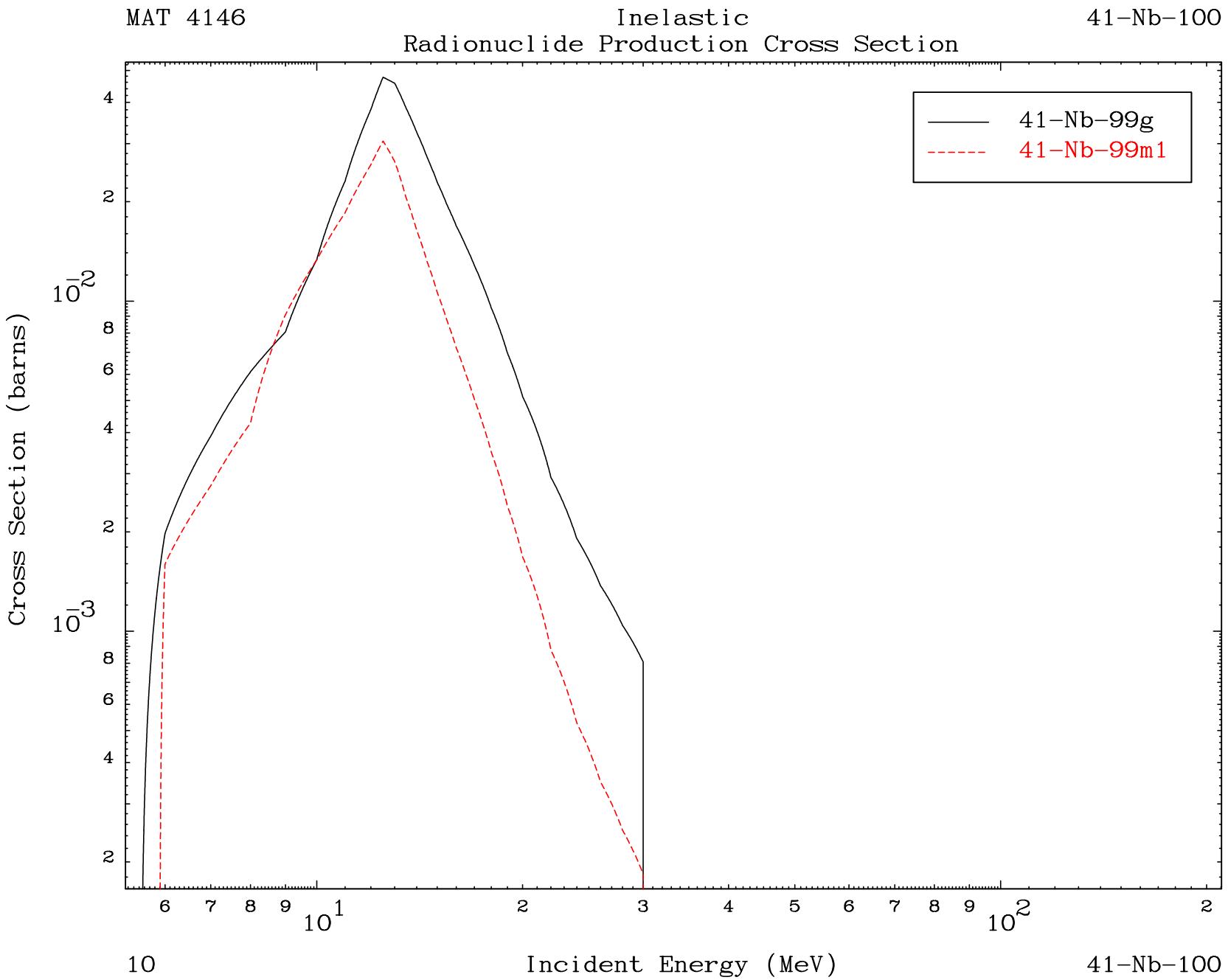

MAT 4146
(γ,n') Levels
41-Nb-100
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
41-Nb-100

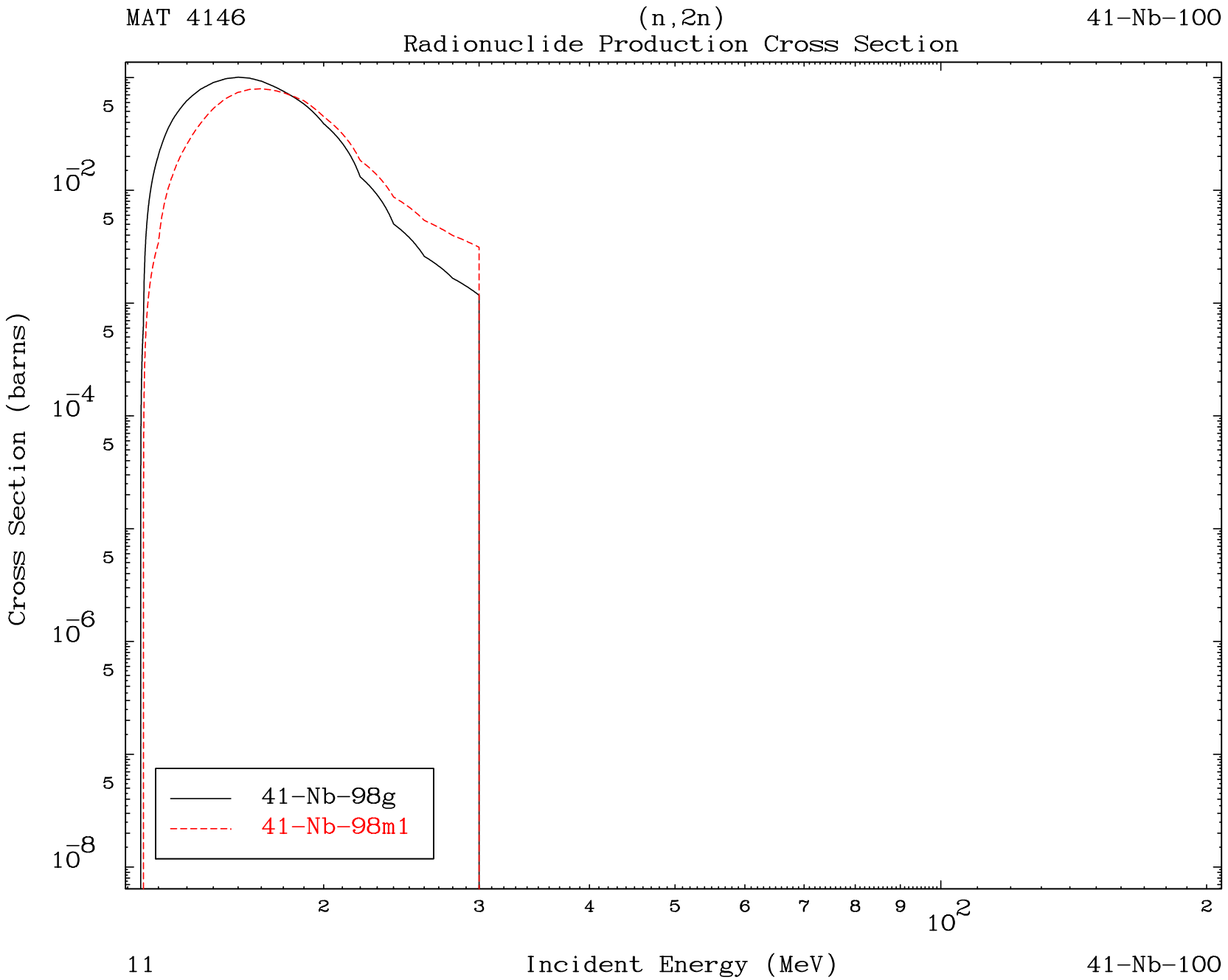

MAT 4146
(γ,p) Levels
41-Nb-100
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
6
41-Nb-100

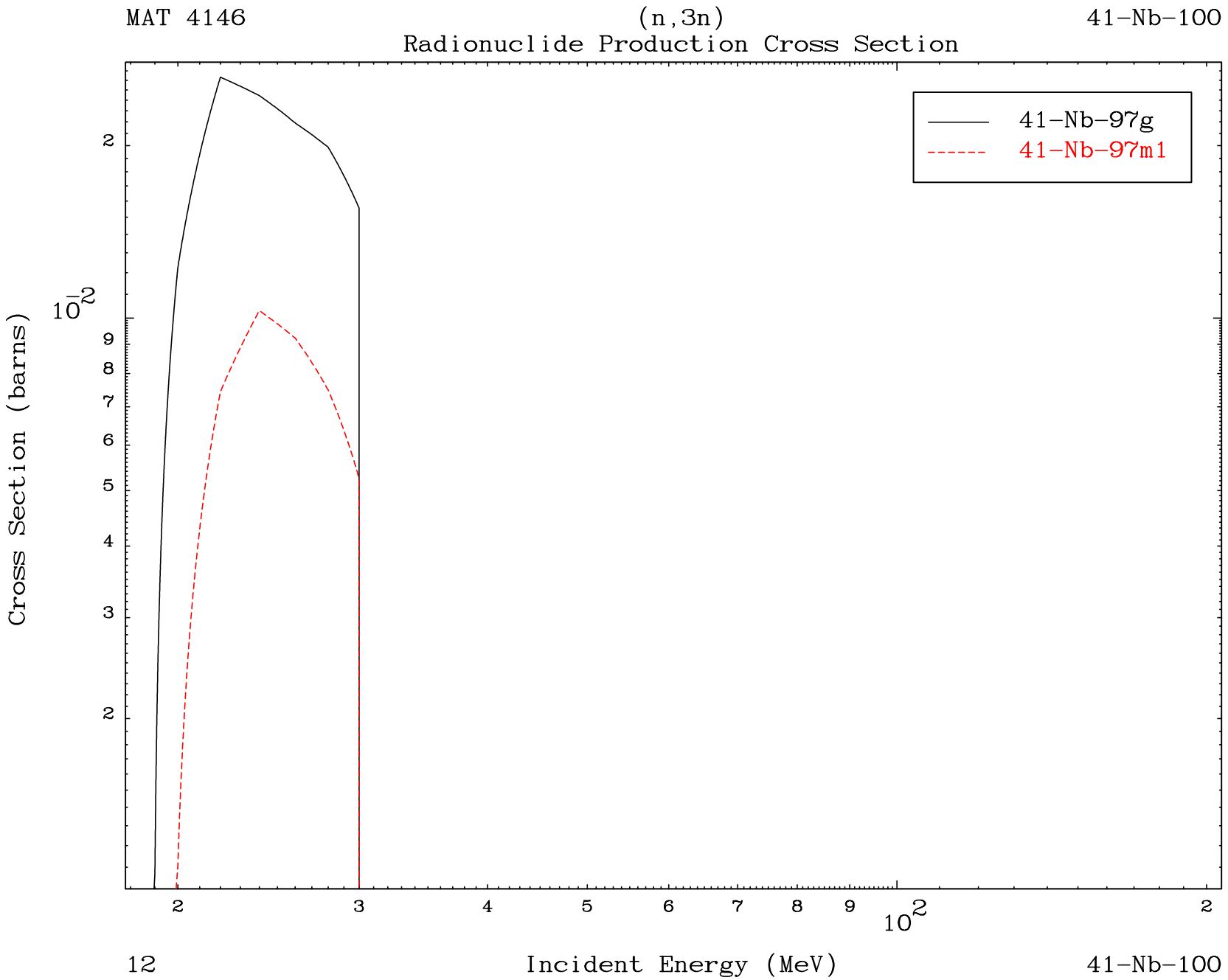

MAT 4146
(γ,d) Levels
41-Nb-100
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
41-Nb-100

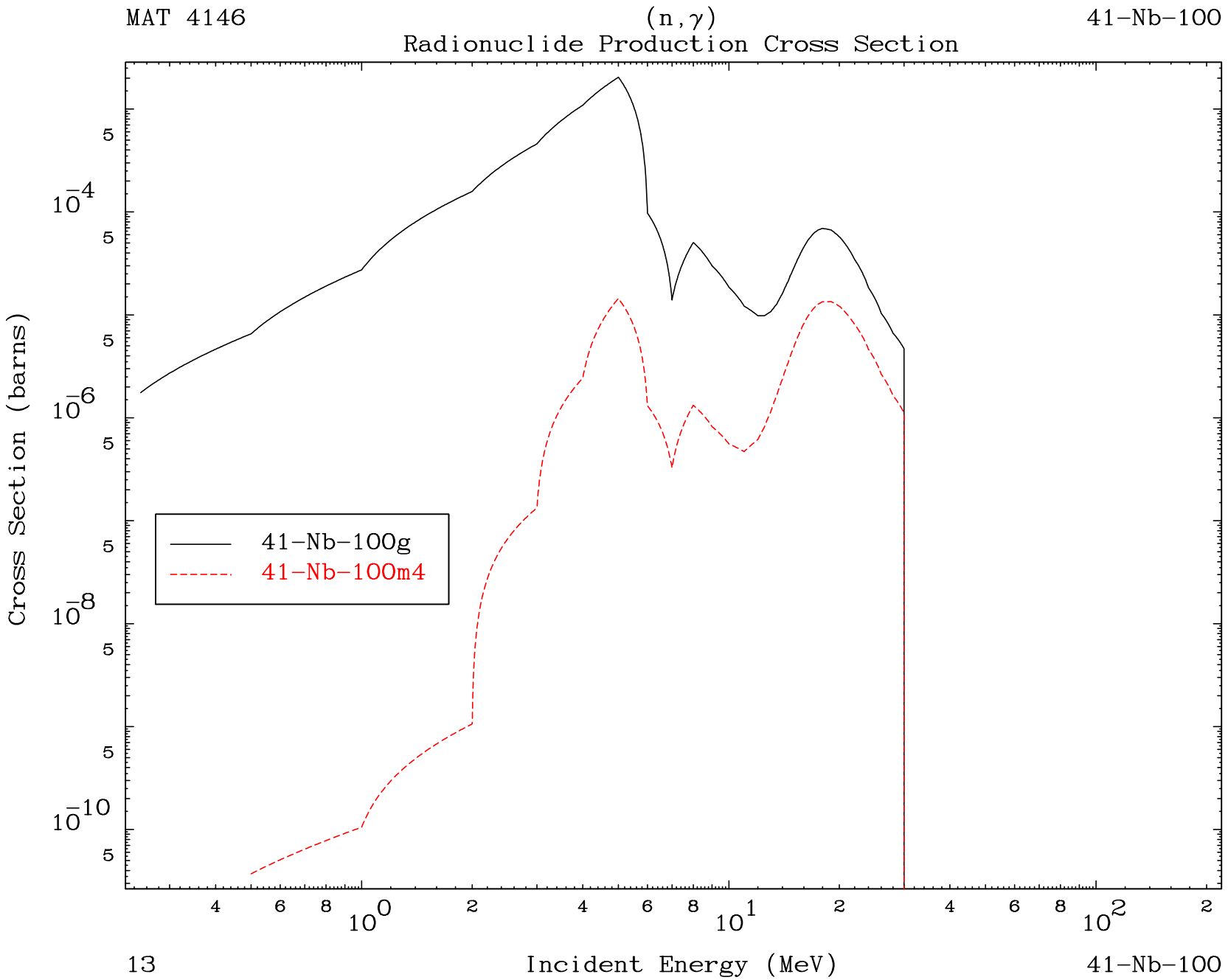

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
5
10^-8
5
10^-10
5
10^-12
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

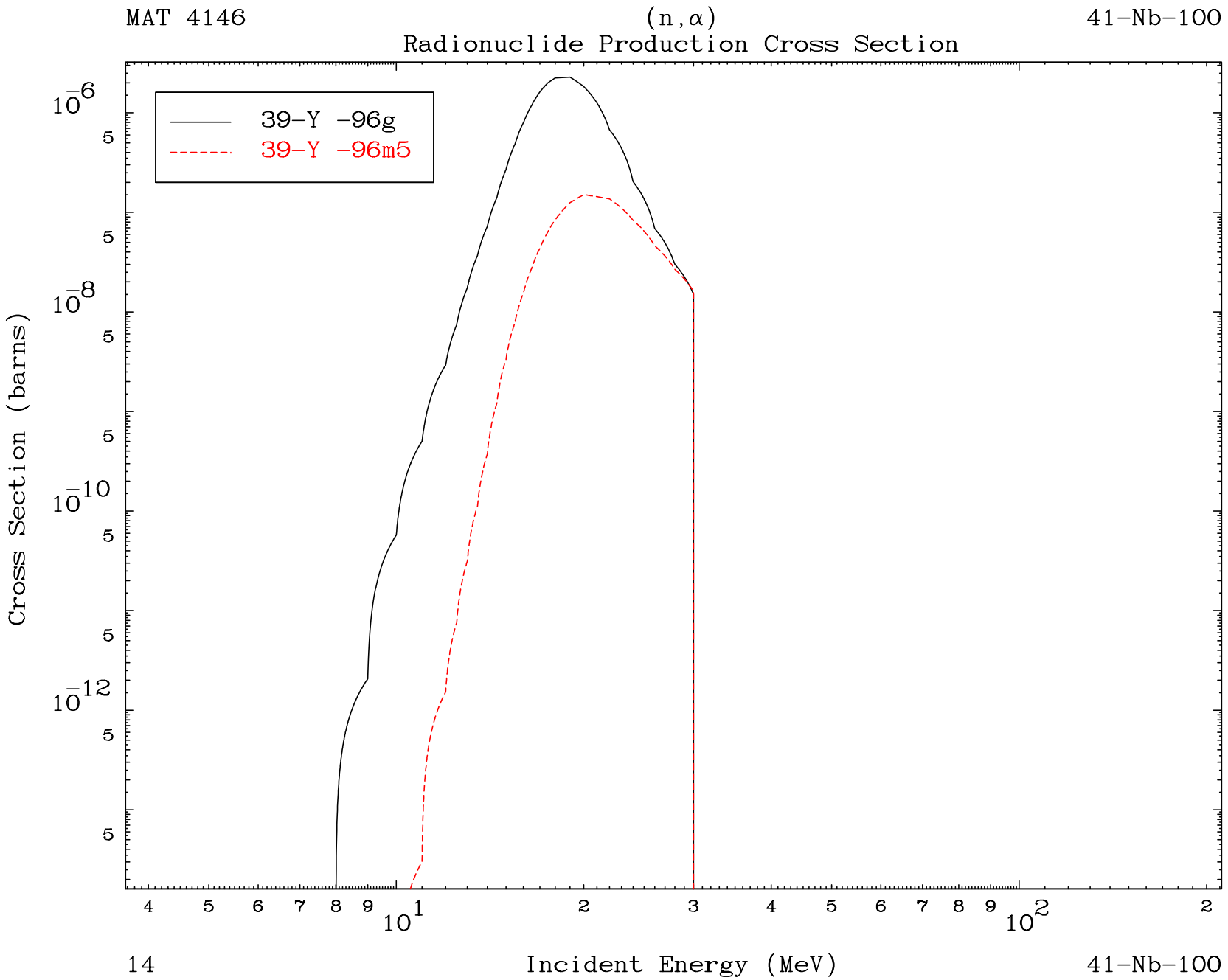

MAT 4146
(γ,α) Levels
41-Nb-100
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
41-Nb-100


MAT 4146
Inelastic
41-Nb-100
Radionuclide Production Cross Section
41-Nb-99g
41-Nb-99m1
Cross Section (barns)
Incident Energy (MeV)
41-Nb-100


MAT 4146
(n,2n)
41-Nb-100
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
41-Nb-98g
41-Nb-98m1
11
Incident Energy (MeV)
41-Nb-100


MAT 4146
(n,3n)
41-Nb-100
Radionuclide Production Cross Section
41-Nb-97g
41-Nb-97m1
Cross Section (barns)
10^-2
2
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
41-Nb-100


MAT 4146
(n,γ)
41-Nb-100
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
41-Nb-100g
41-Nb-100m4
100
101
102
Incident Energy (MeV)
13
41-Nb-100


MAT 4146
(n,α)
41-Nb-100
Radionuclide Production Cross Section
39-Y -96g
39-Y -96m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
41-Nb-100