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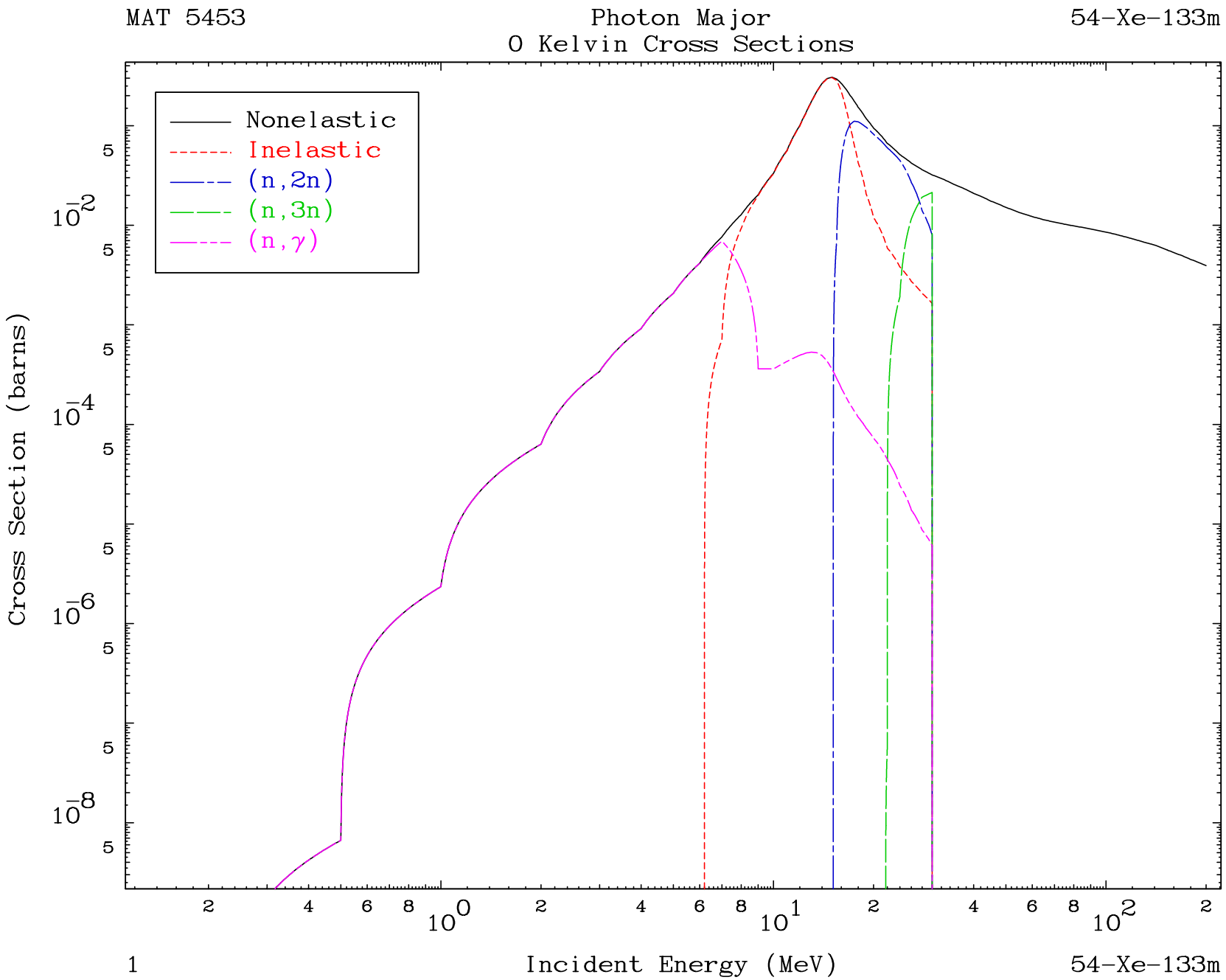
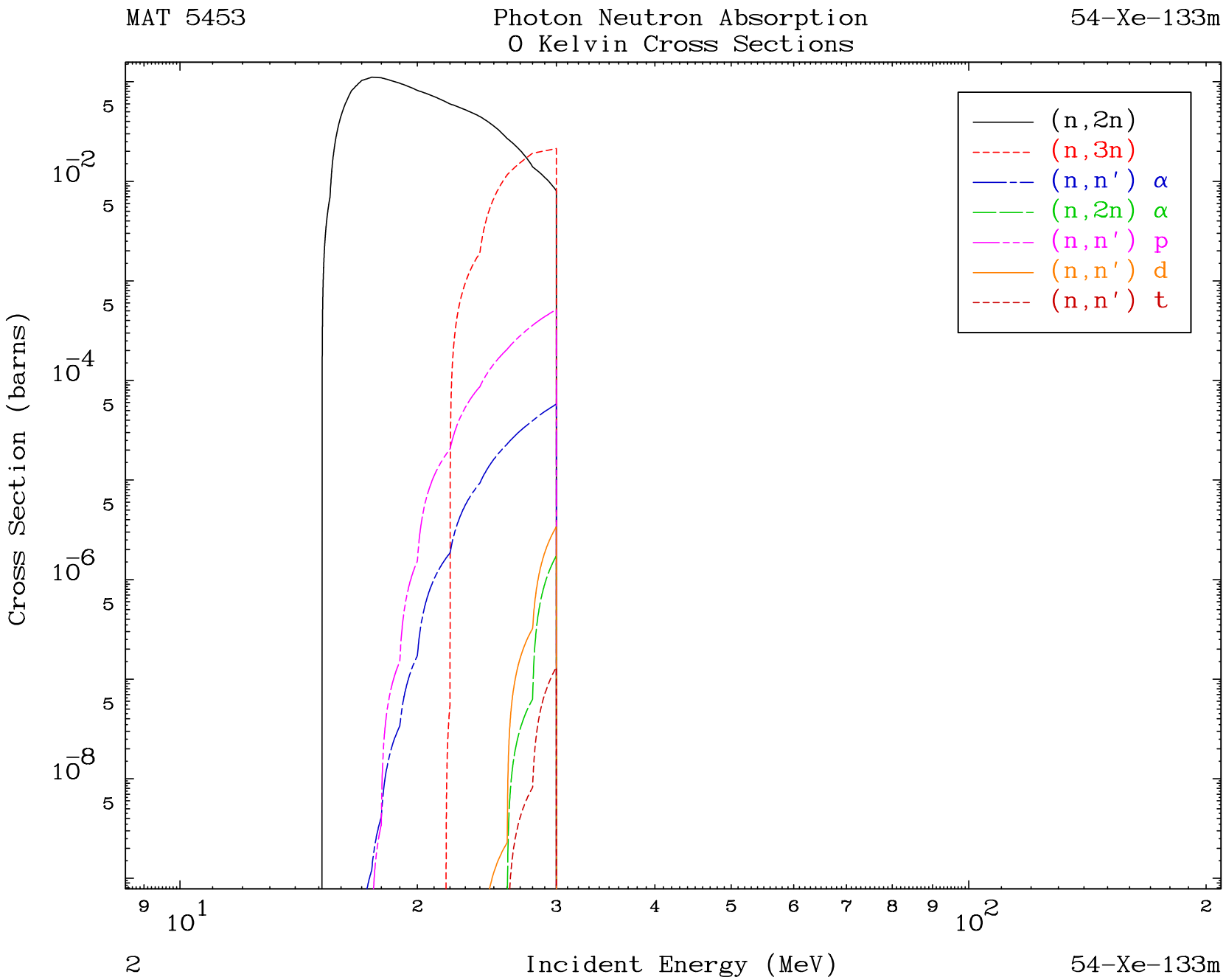
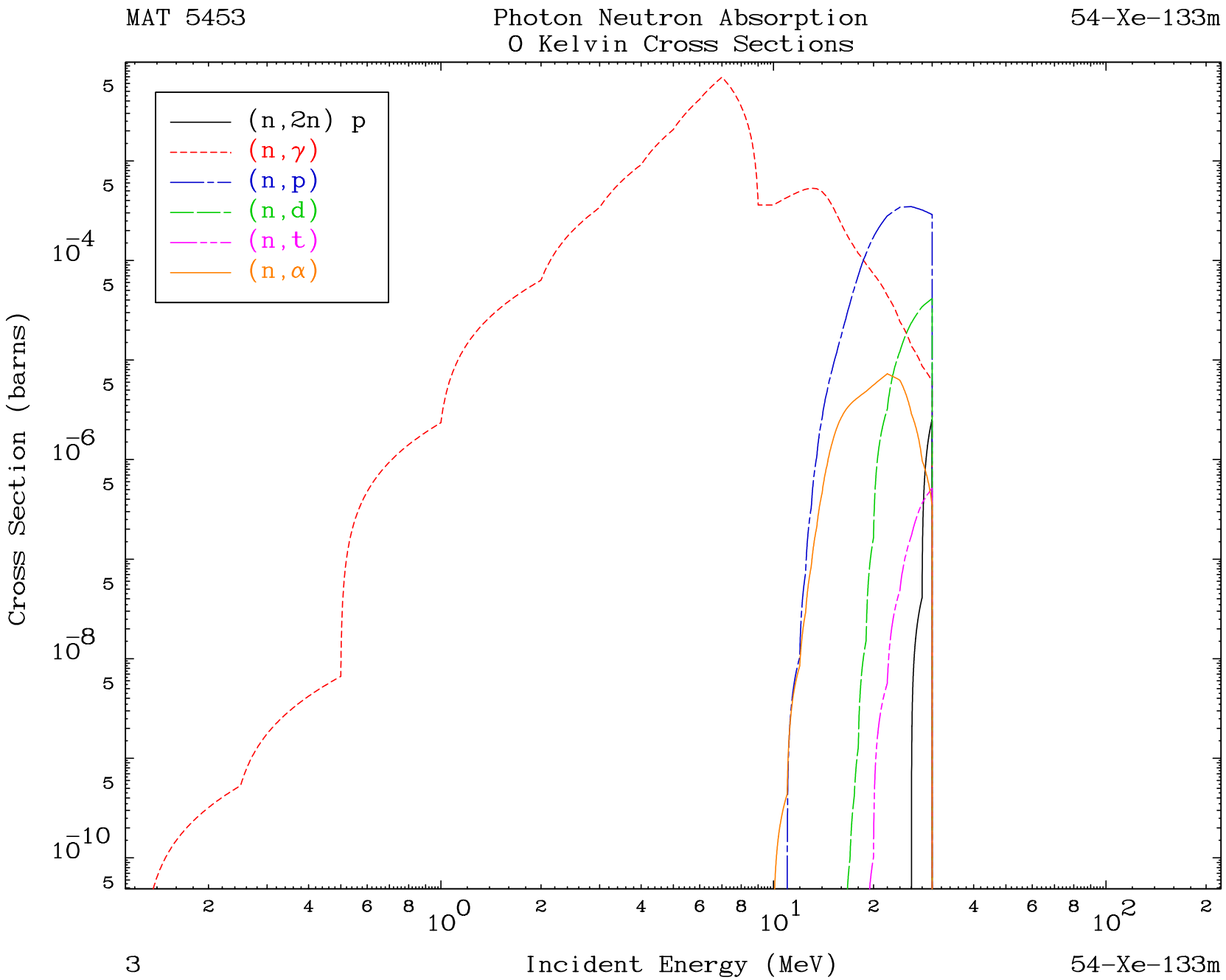
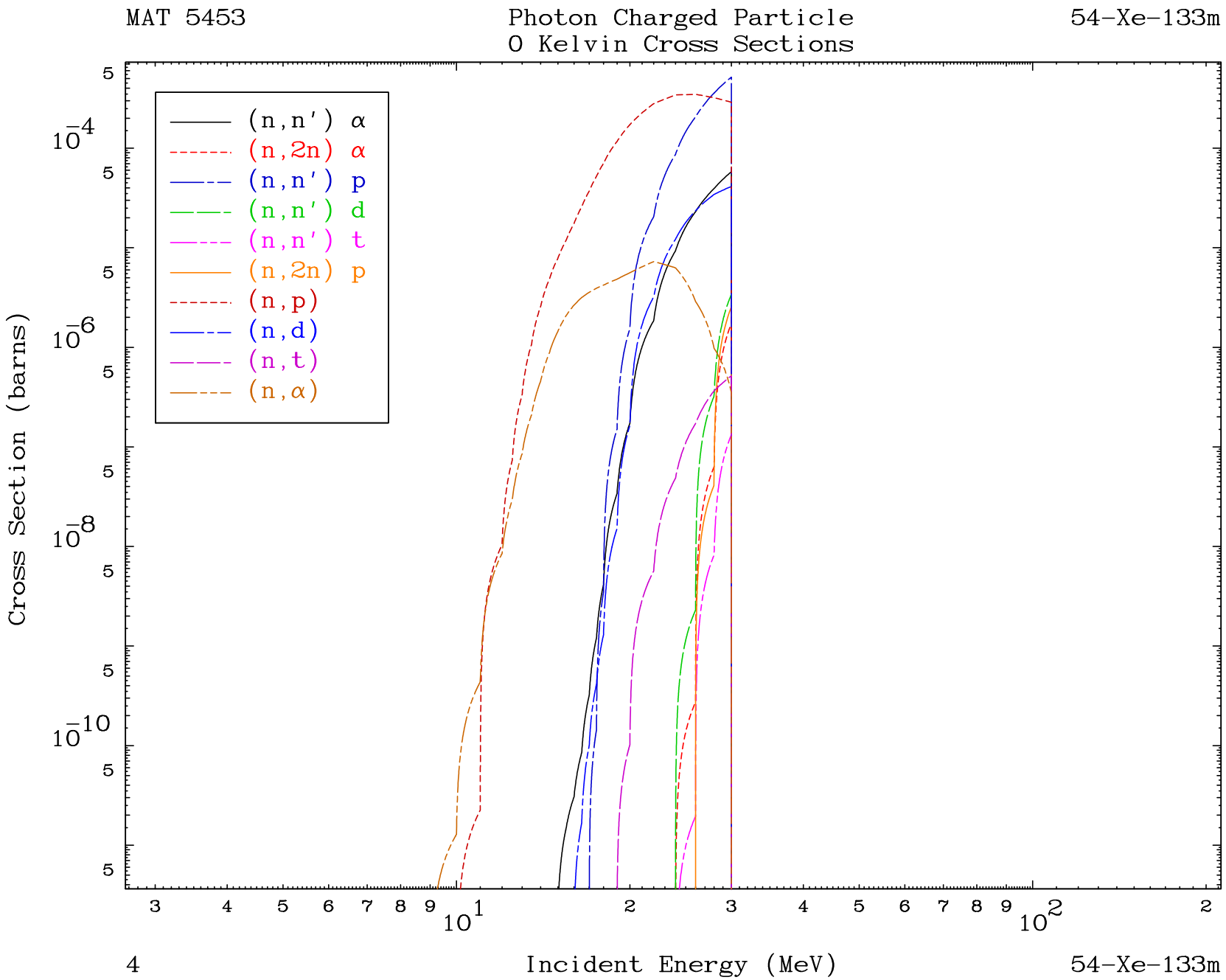
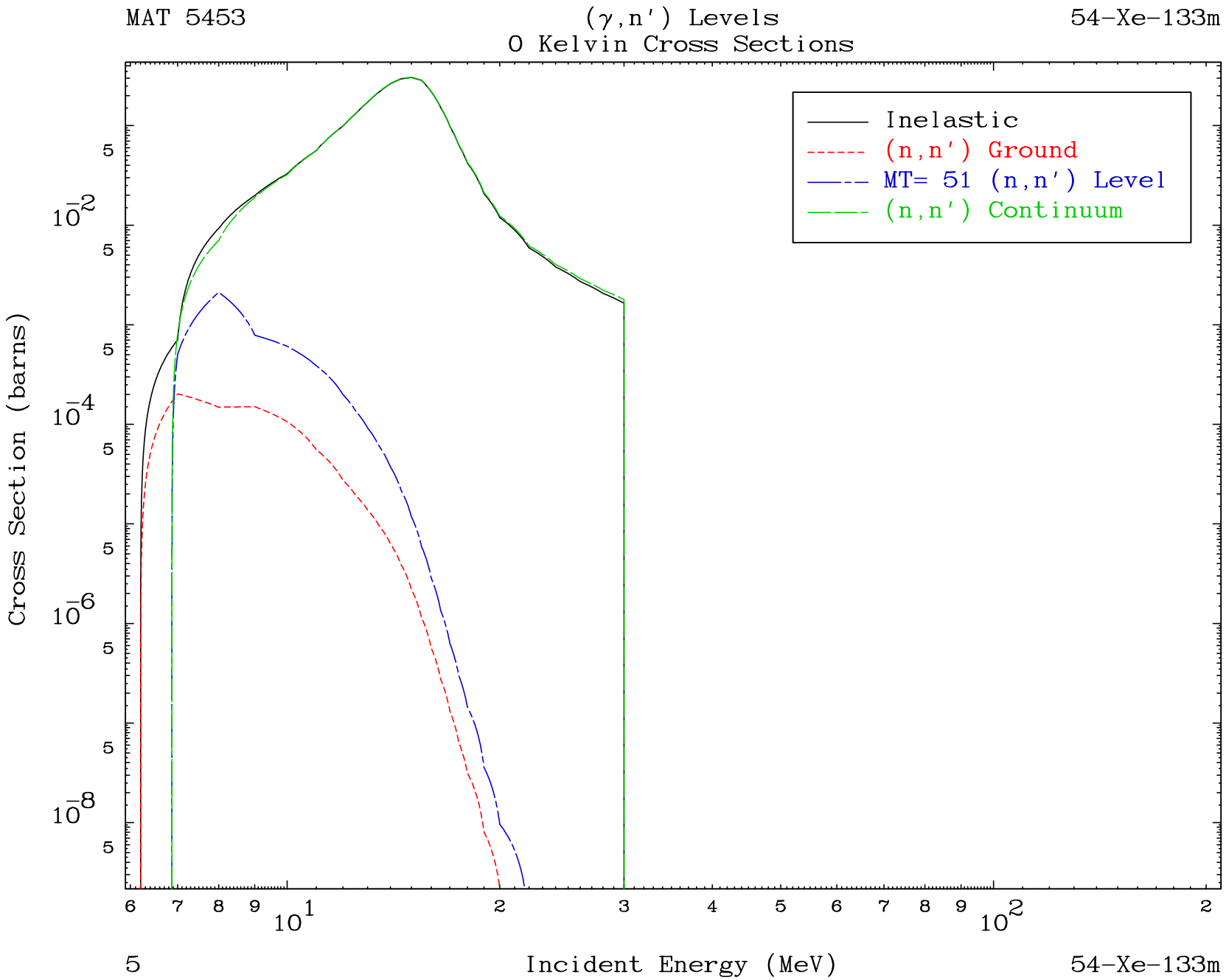
Press Mouse Button to Start

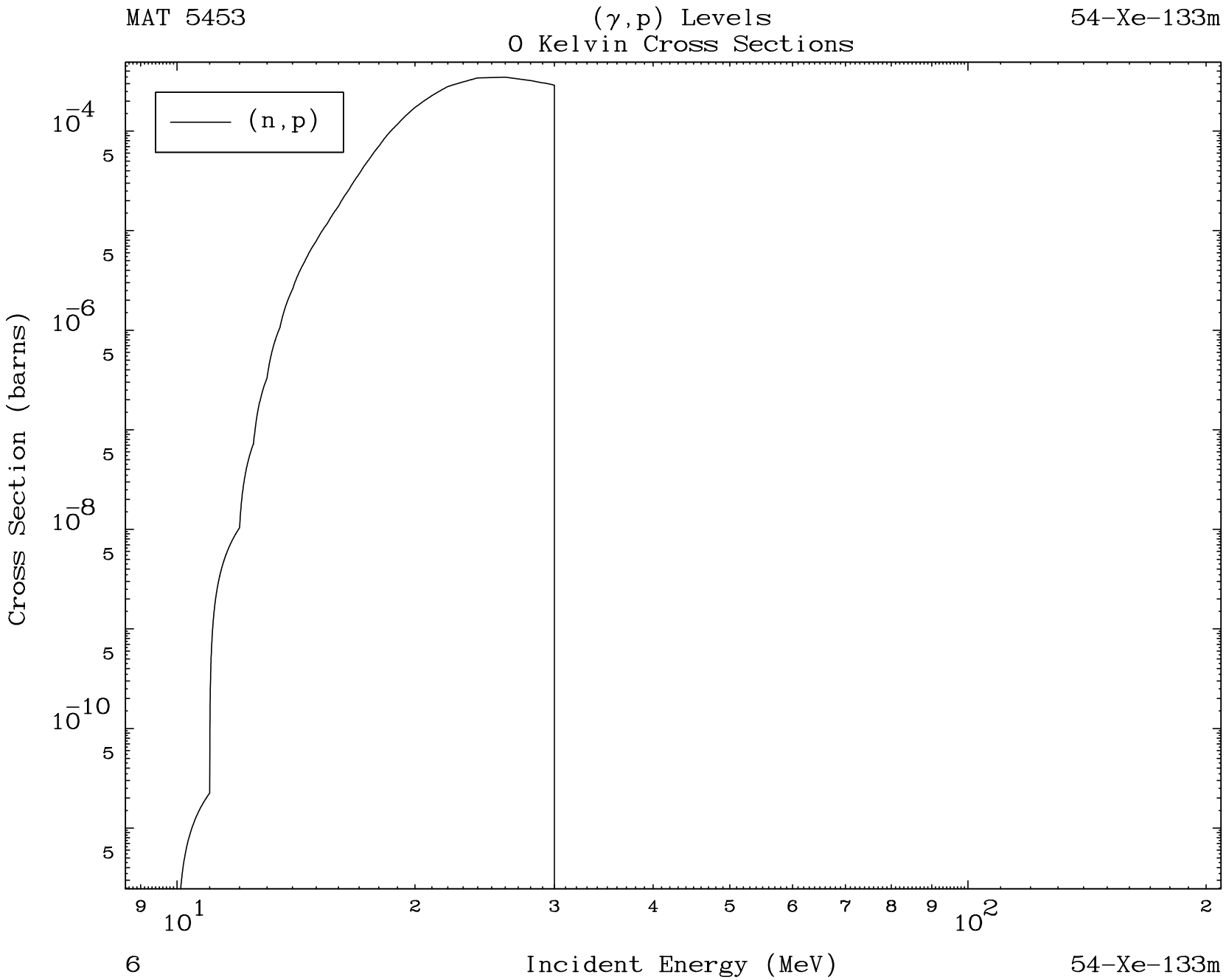

MAT 5453
Photon Major
54-Xe-133m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-133m

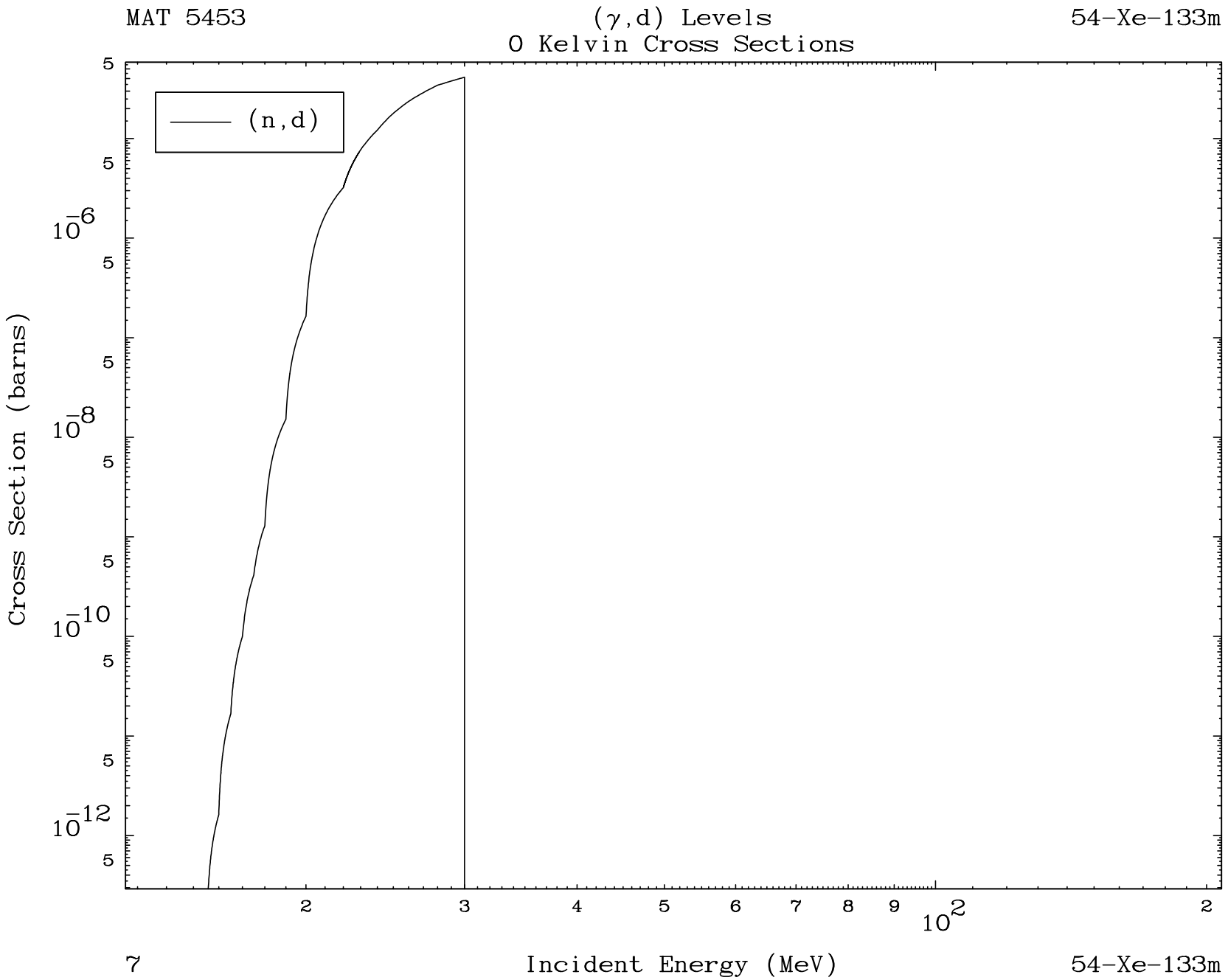

MAT 5453
Photon Neutron Absorption
0 Kelvin Cross Sections
54-Xe-133m
Cross Section (barns)
Incident Energy (MeV)
54-Xe-133m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

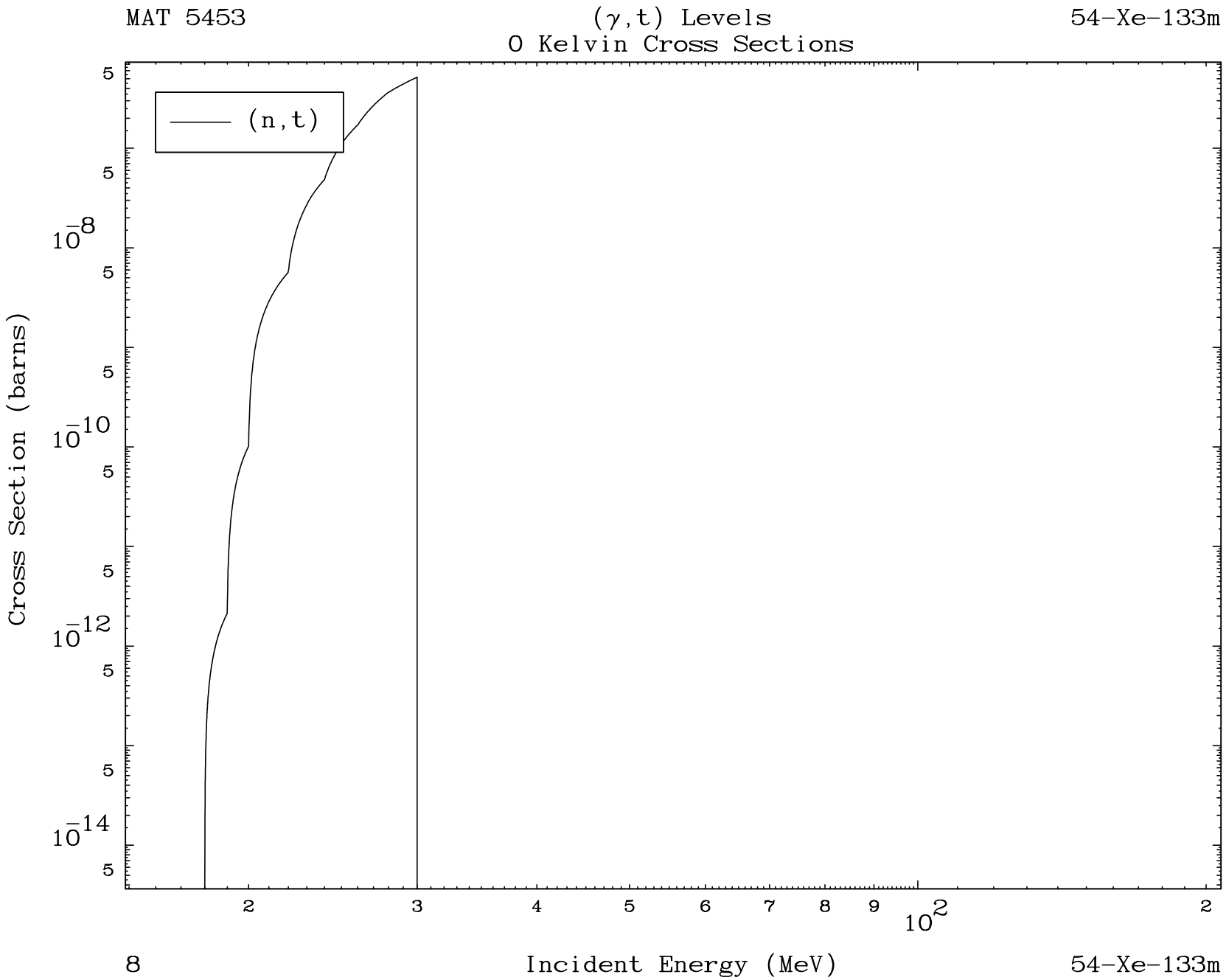

MAT 5453
Photon Neutron Absorption
0 Kelvin Cross Sections
54-Xe-133m
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-133m

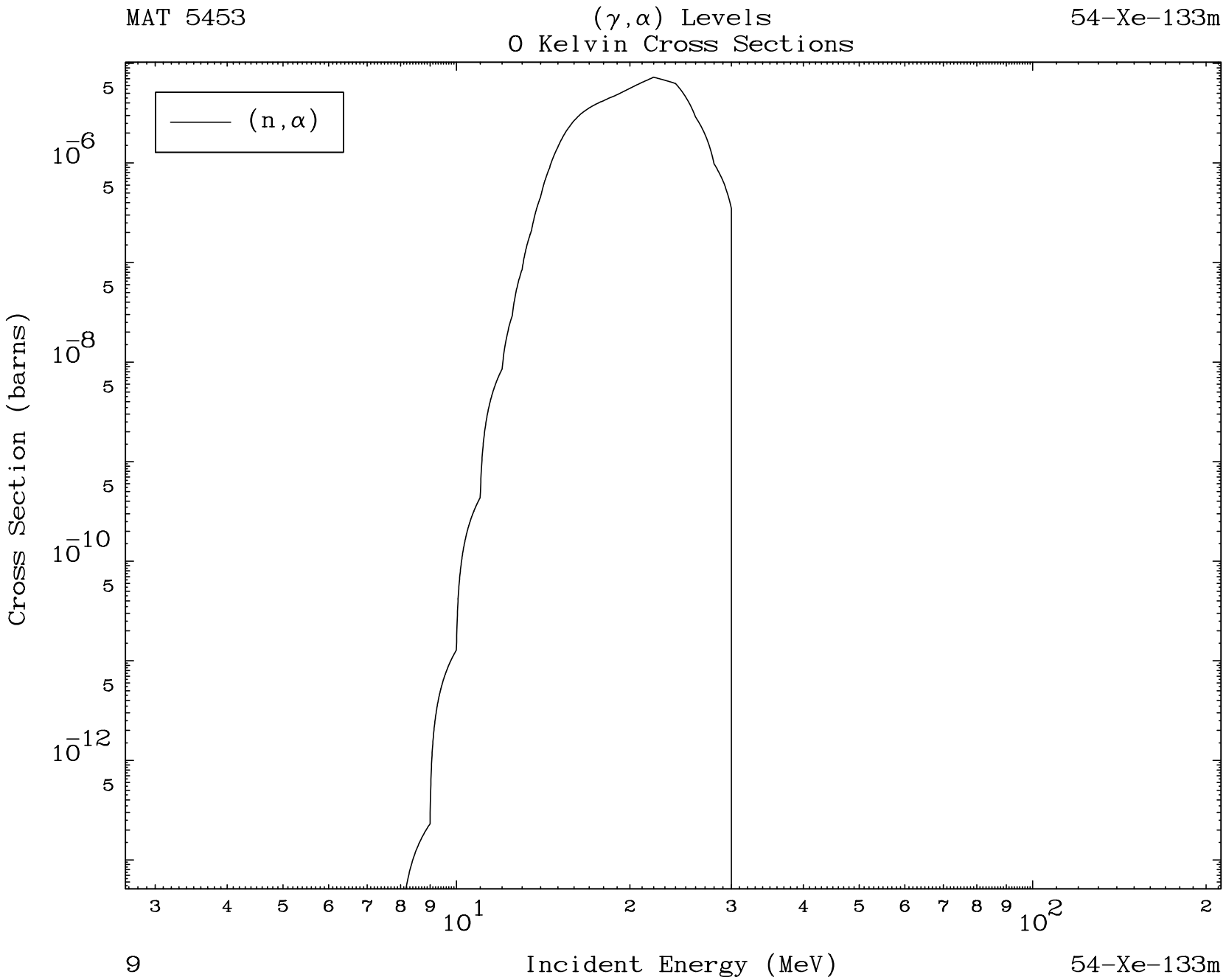

MAT 5453
Photon Charged Particle
0 Kelvin Cross Sections
54-Xe-133m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-133m
4

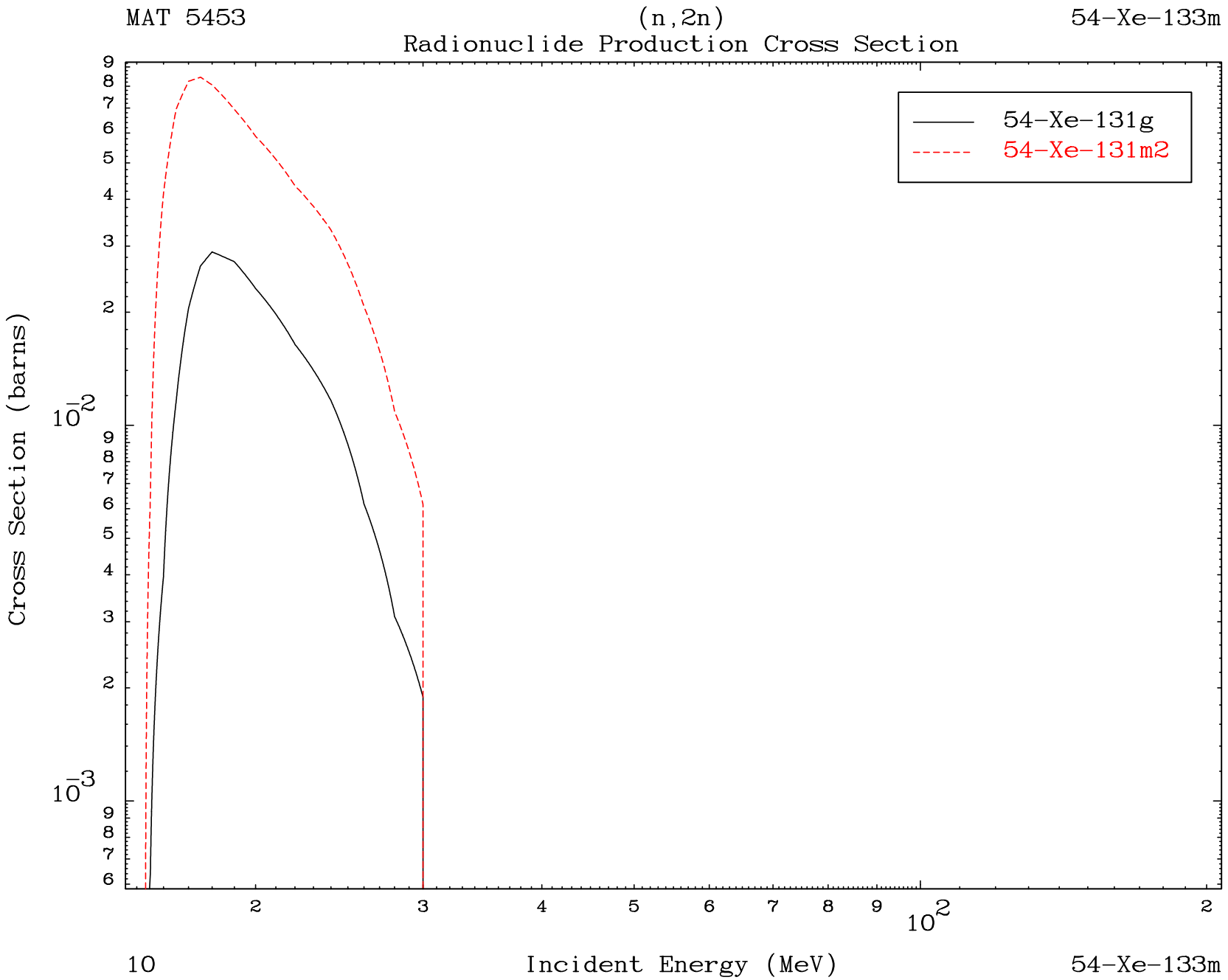

MAT 5453
(γ,n') Levels
0 Kelvin Cross Sections
54-Xe-133m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
54-Xe-133m

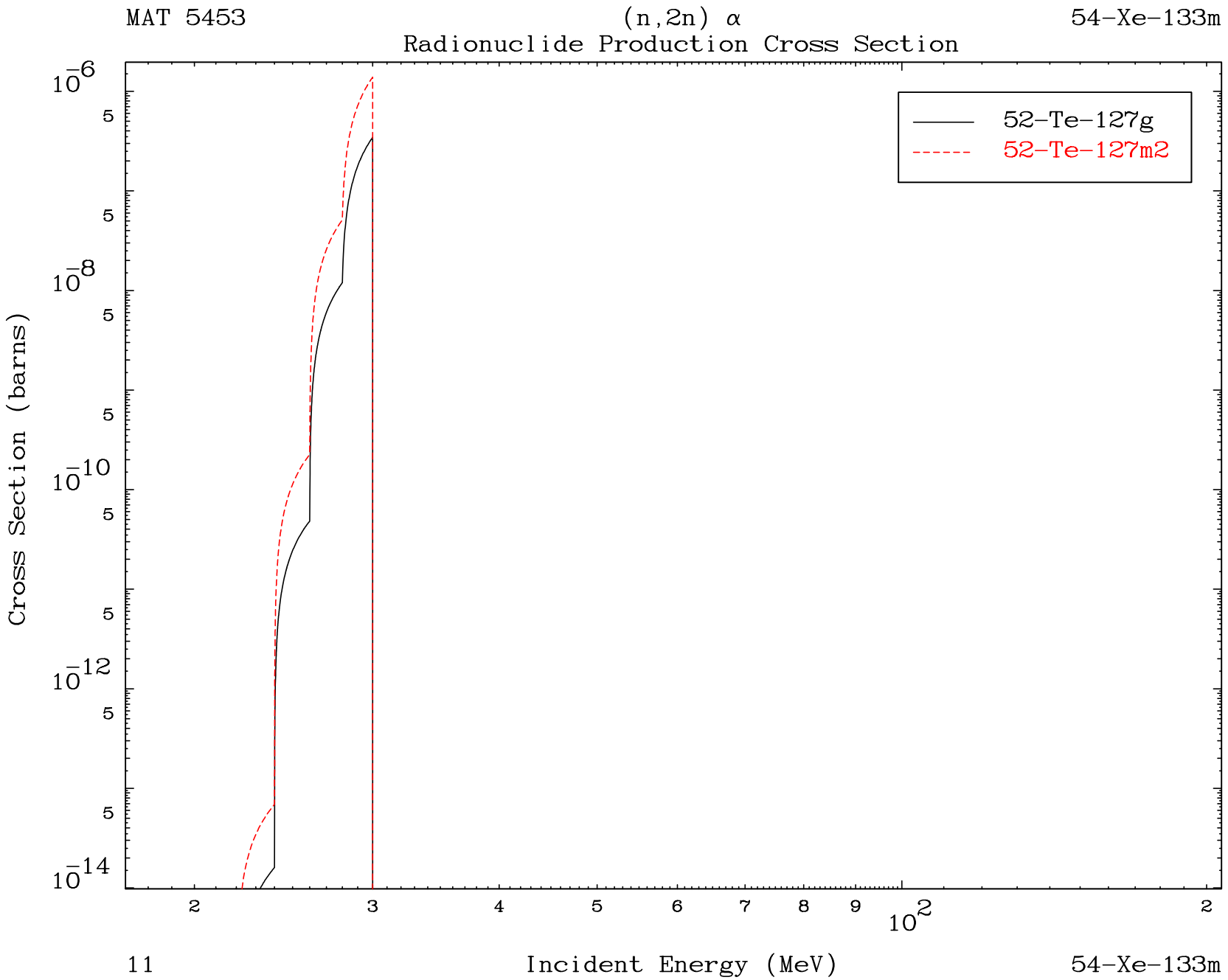

MAT 5453
(γ,p) Levels
54-Xe-133m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
54-Xe-133m

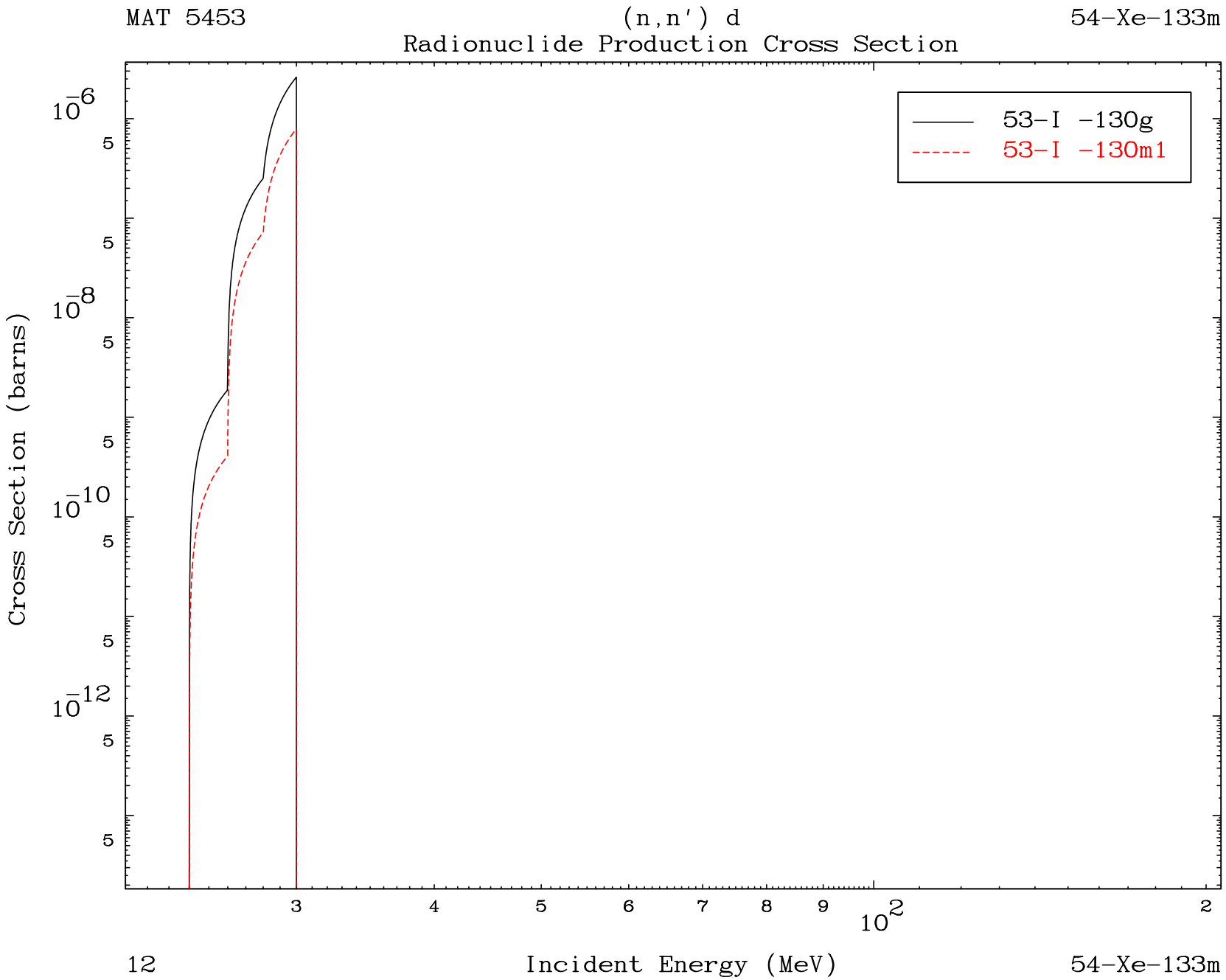

MAT 5453
(γ,d) Levels
54-Xe-133m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
54-Xe-133m

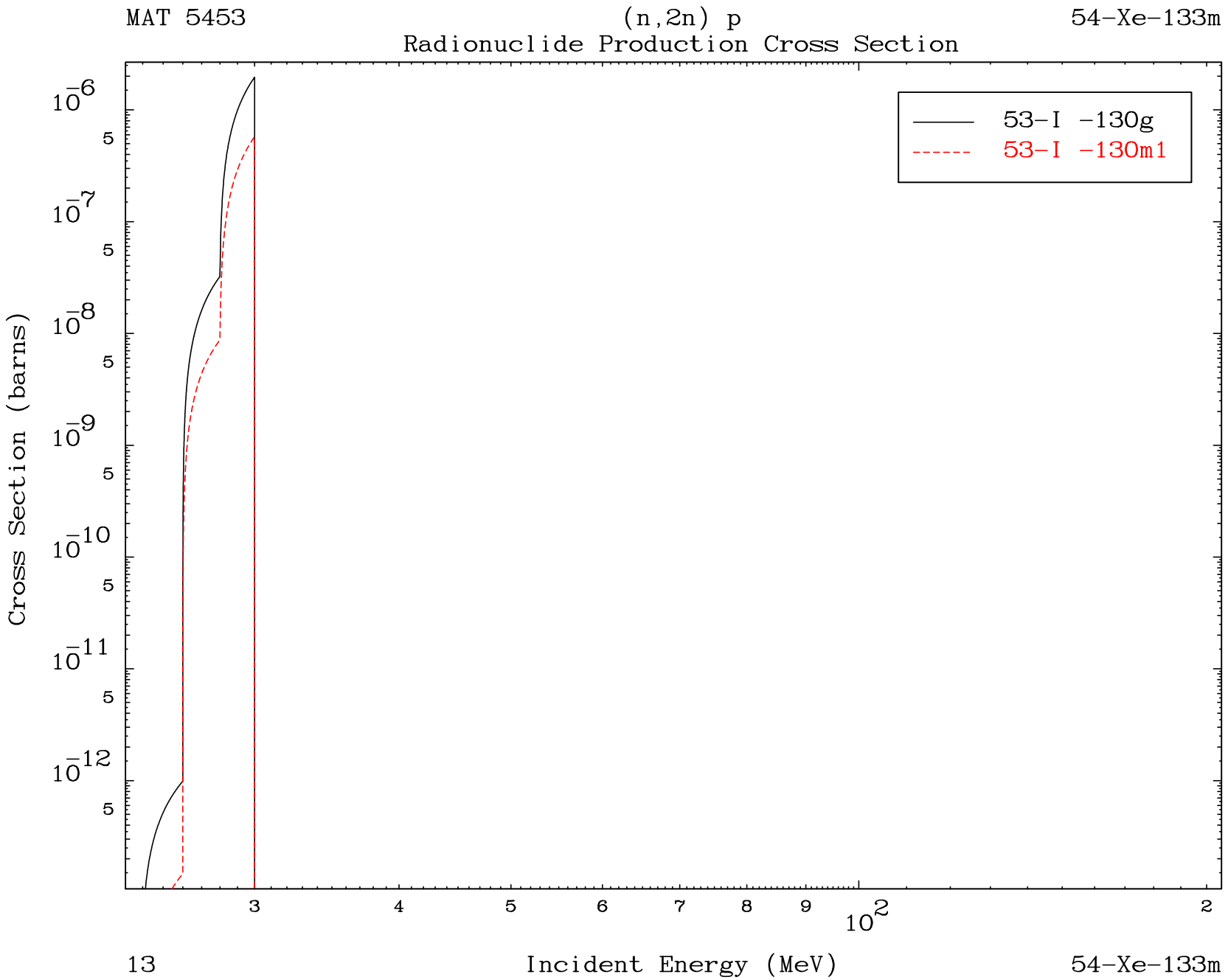

MAT 5453
(γ,t) Levels
54-Xe-133m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
54-Xe-133m

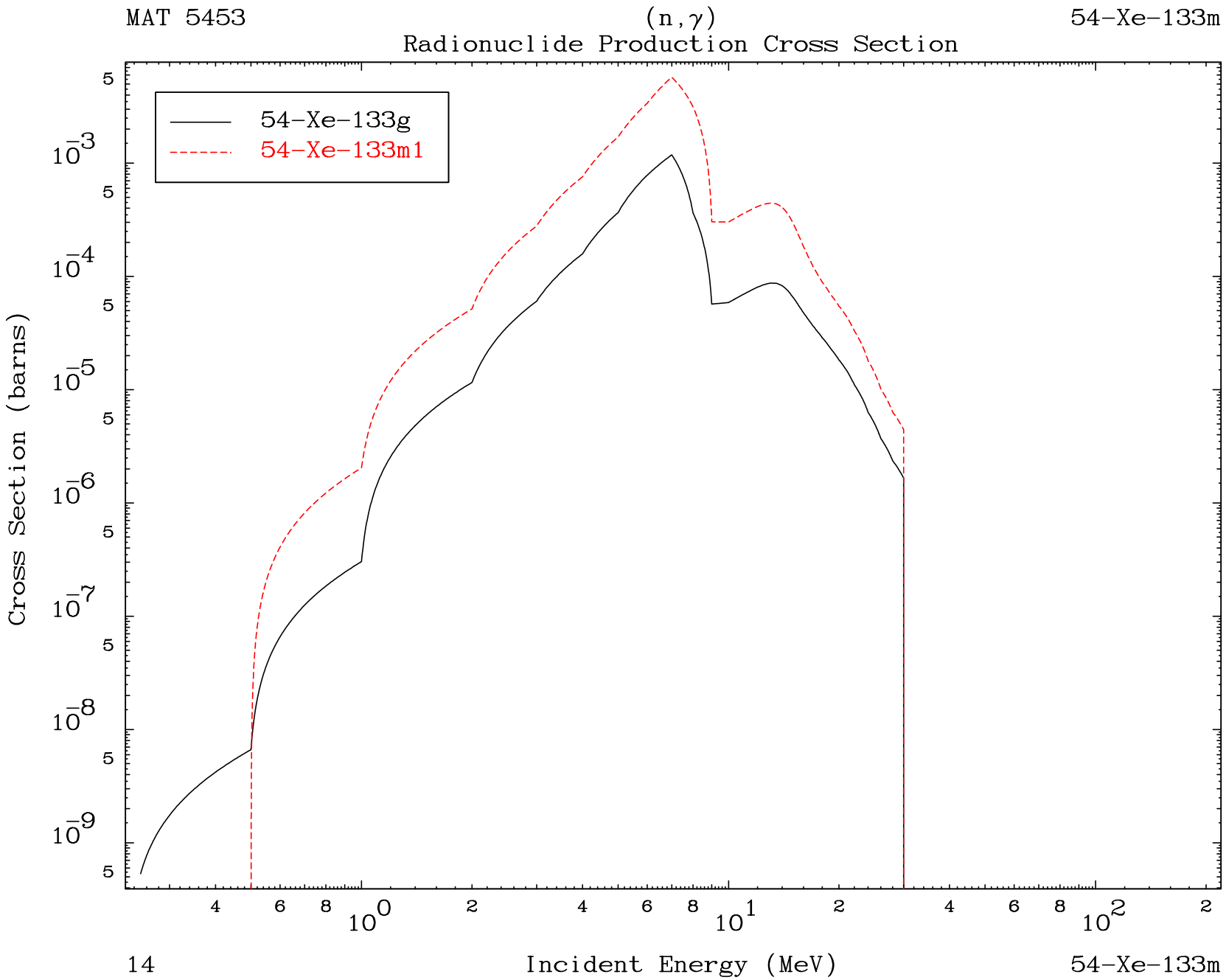

MAT 5453
(γ,α) Levels
54-Xe-133m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
9
54-Xe-133m

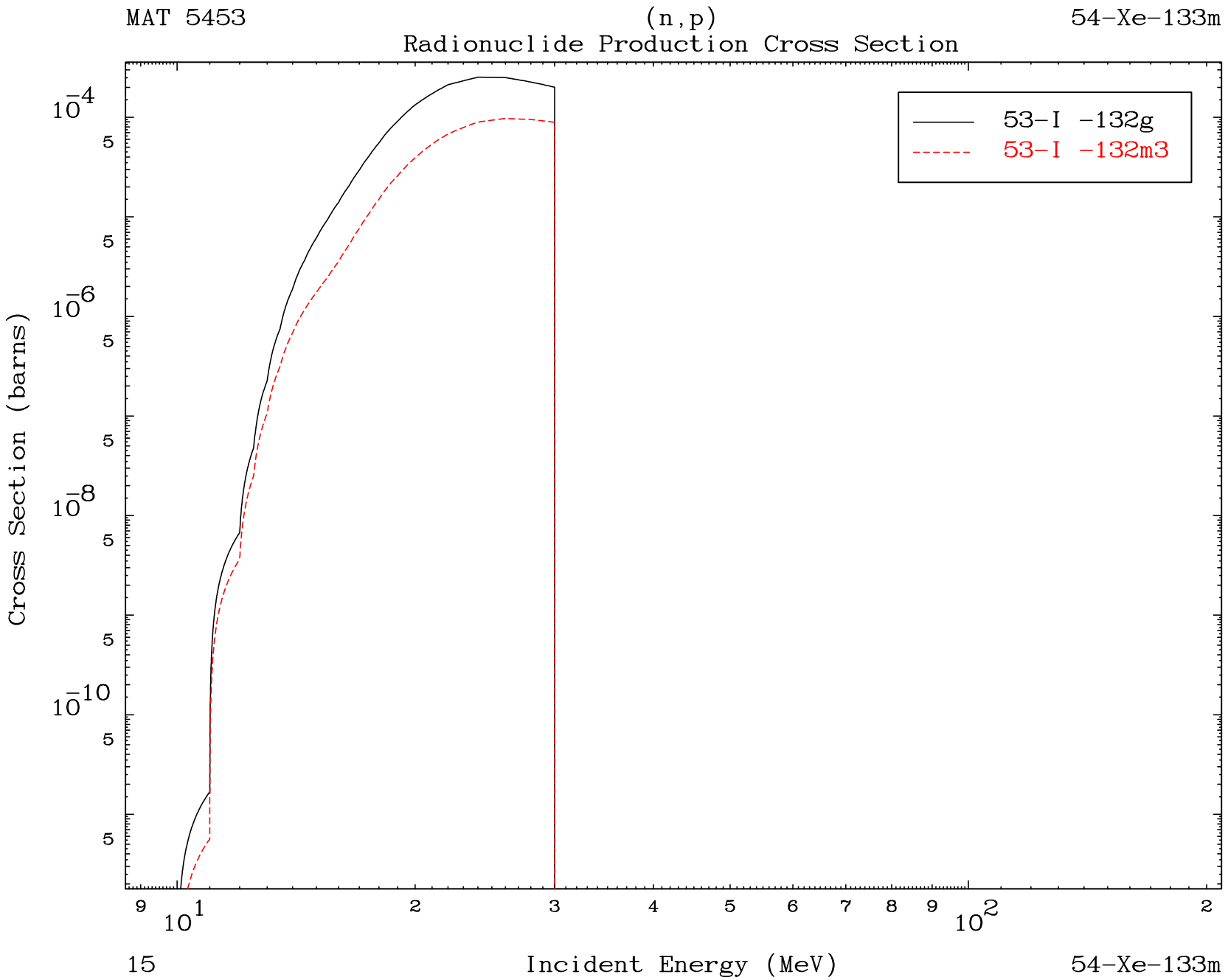

MAT 5453
(n,2n)
54-Xe-133m
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
10^-2
10^-3
10
10^2
Incident Energy (MeV)
54-Xe-133m

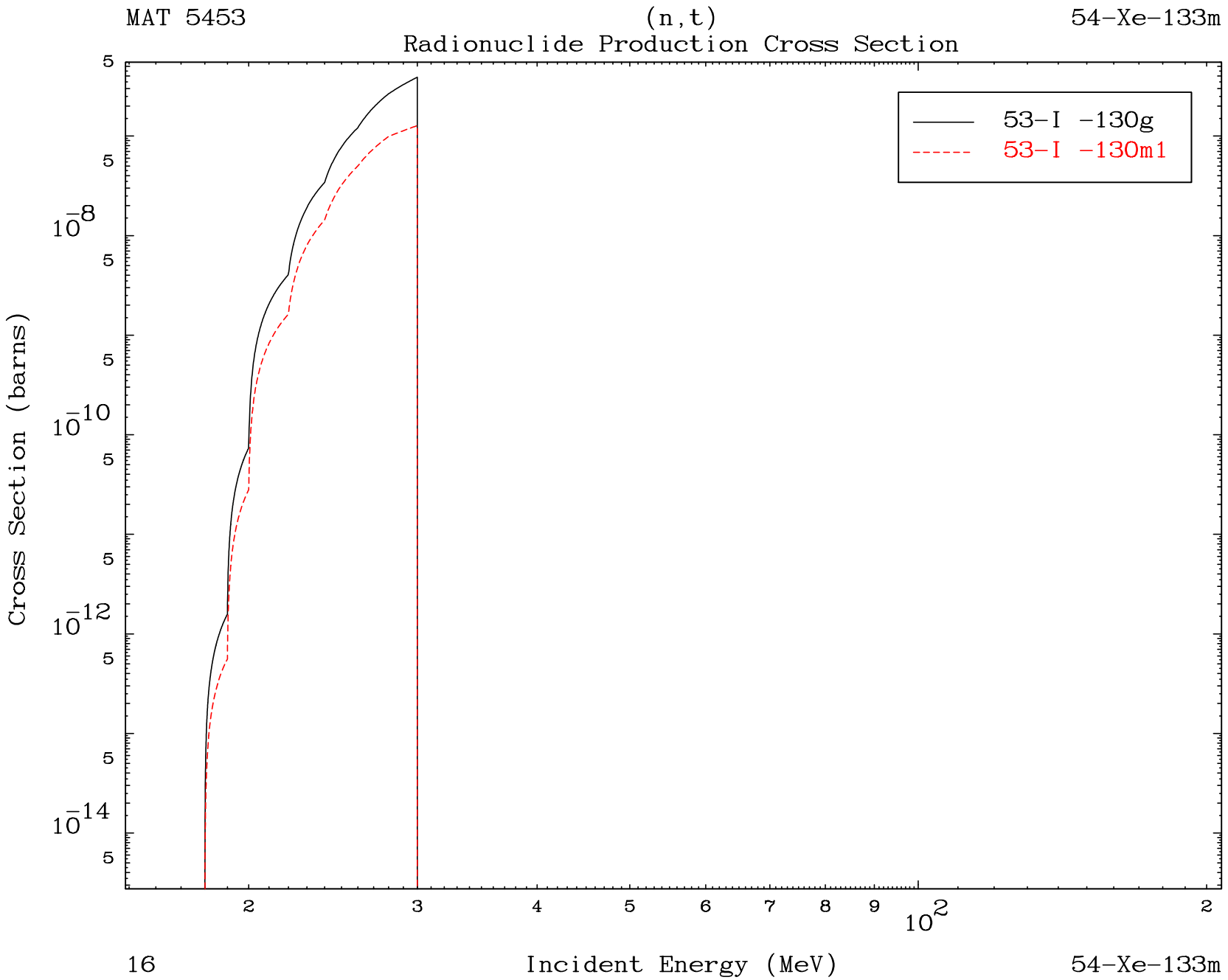

MAT 5453
(n,2n) α
54-Xe-133m
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
11
54-Xe-133m

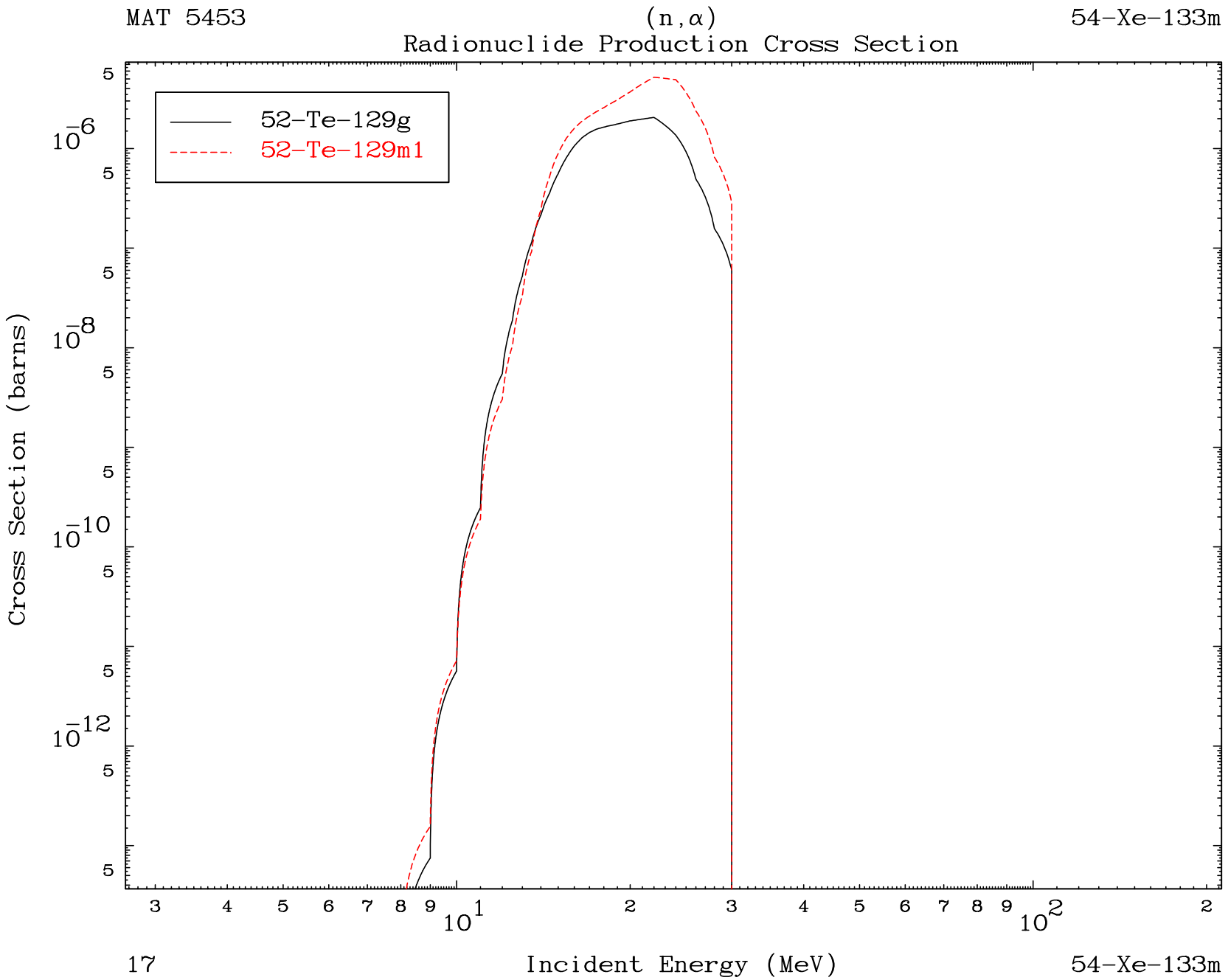

MAT 5453
(n,n') d
54-Xe-133m
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
54-Xe-133m


MAT 5453
(n,2n) p
54-Xe-133m
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
13
54-Xe-133m


MAT 5453
(n,γ)
54-Xe-133m
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
14
54-Xe-133m


MAT 5453
(n,p)
54-Xe-133m
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
Incident Energy (MeV)
15
54-Xe-133m


MAT 5453
(n,t)
54-Xe-133m
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
54-Xe-133m


MAT 5453
(n,α)
54-Xe-133m
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
17
54-Xe-133m