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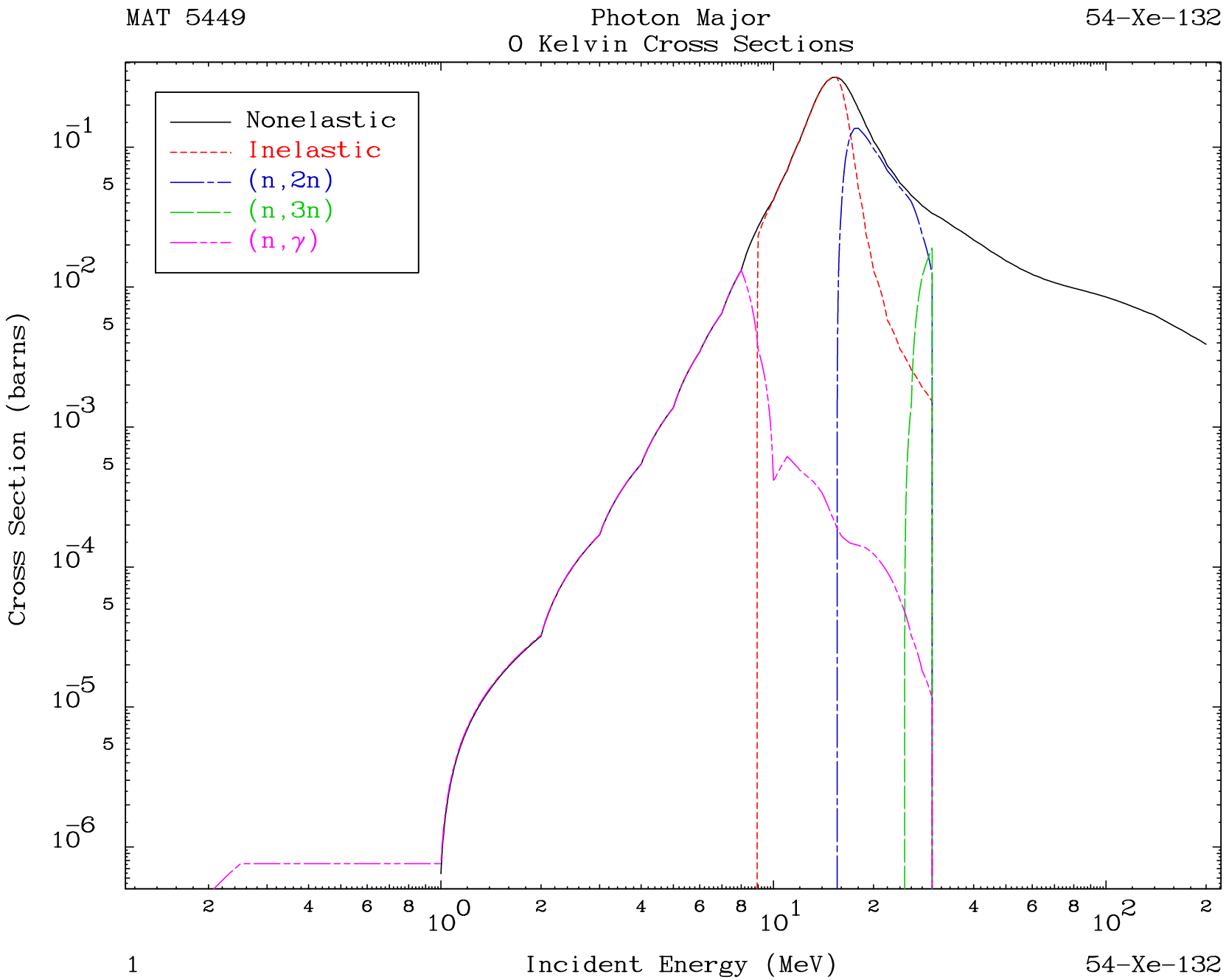
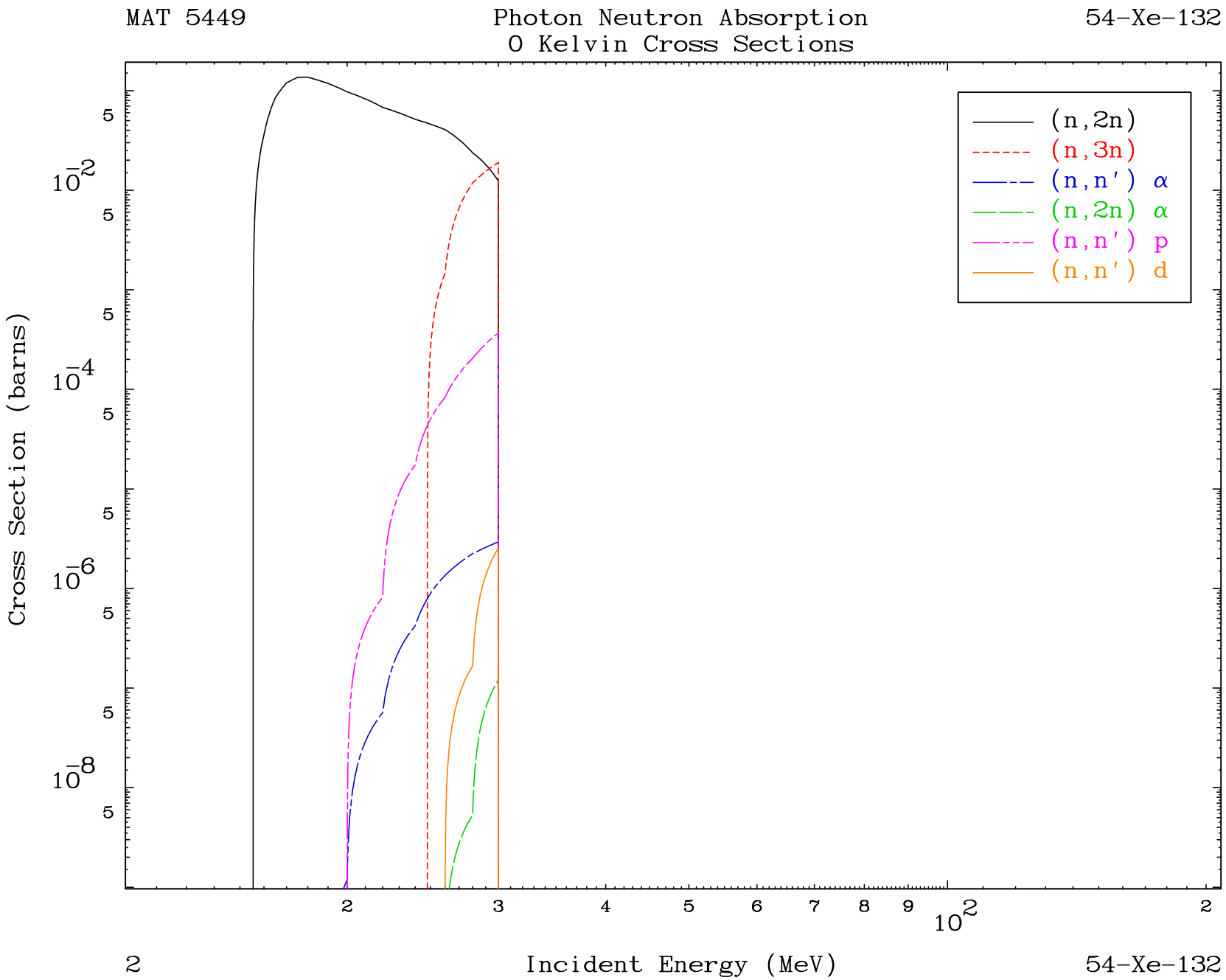
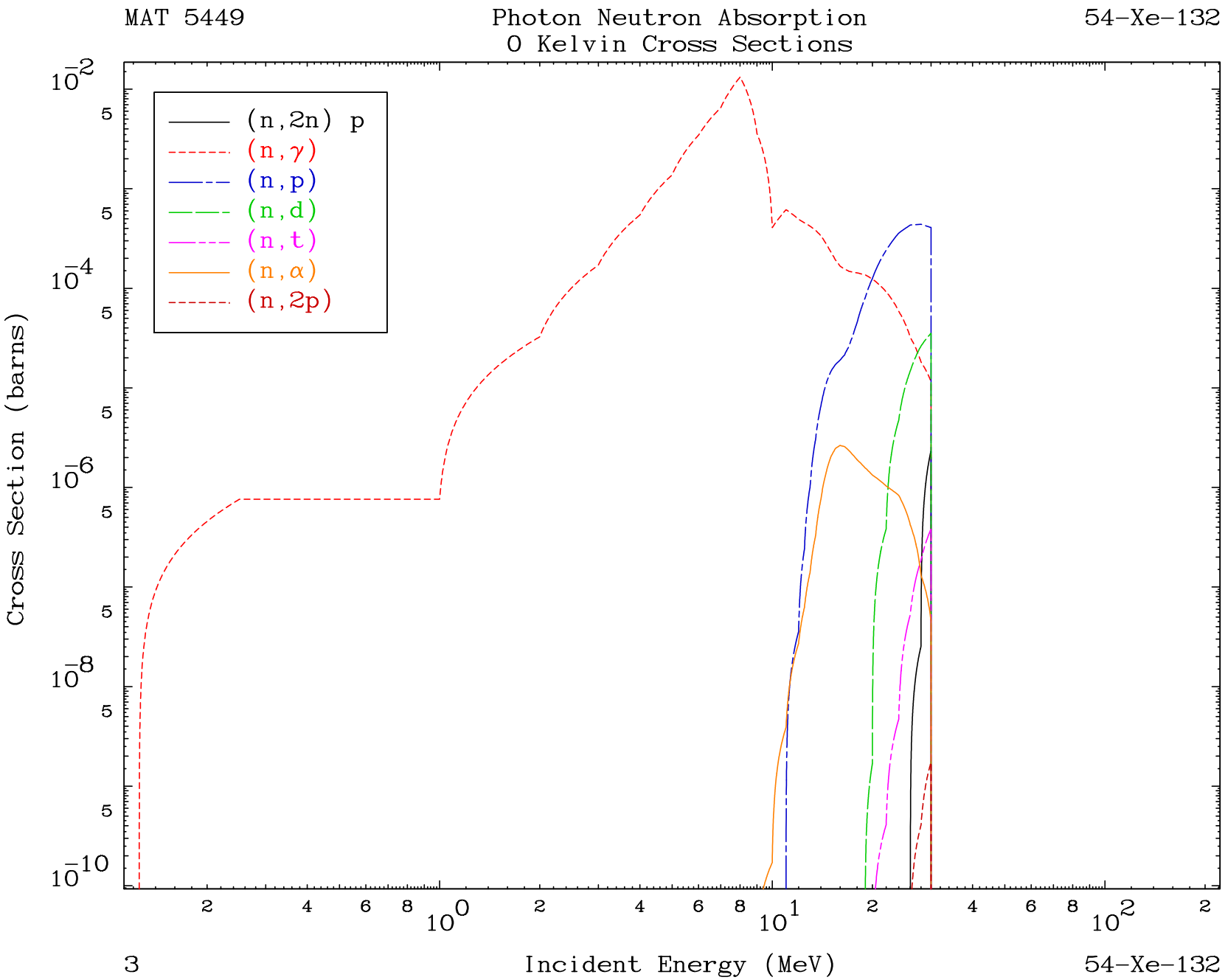
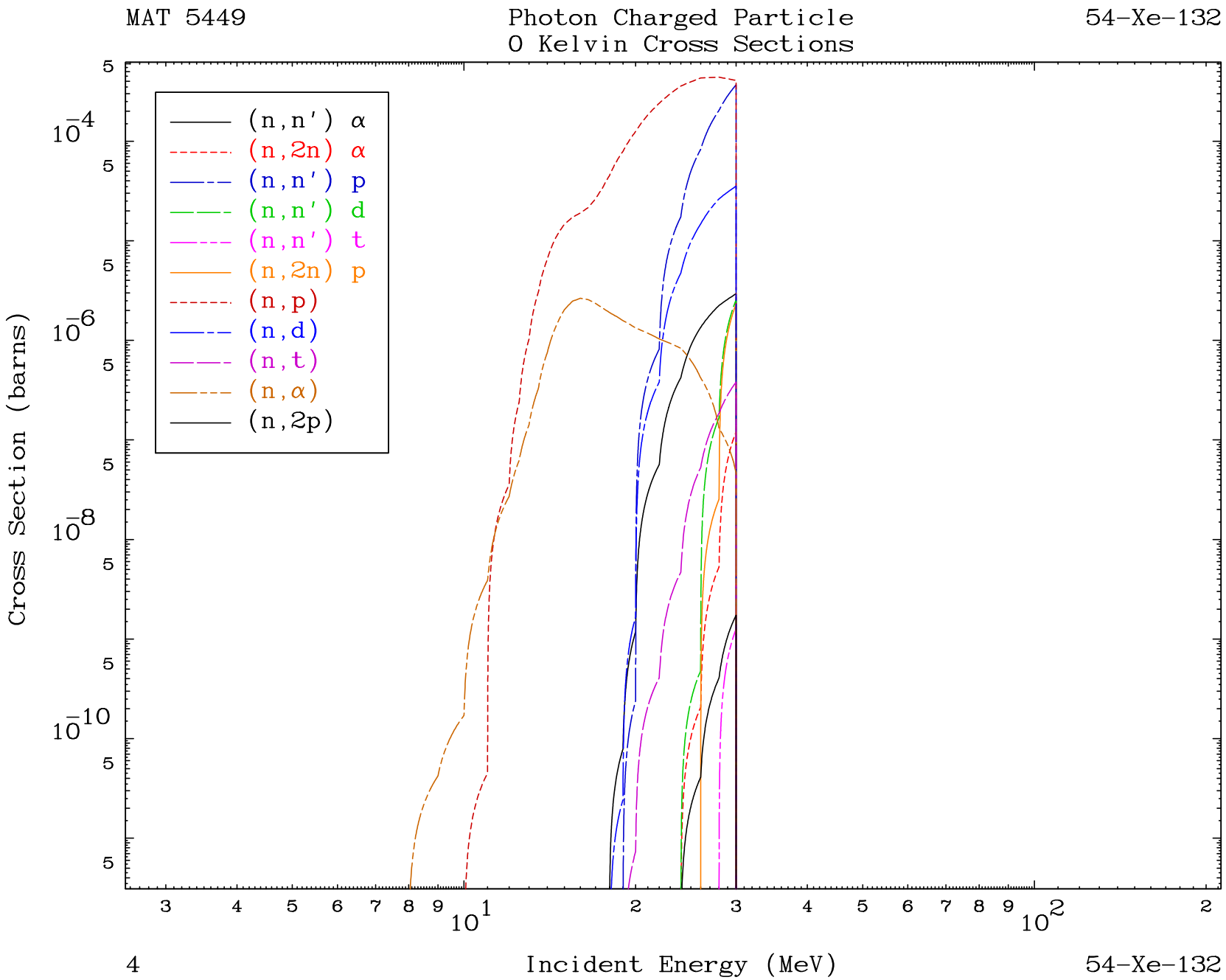
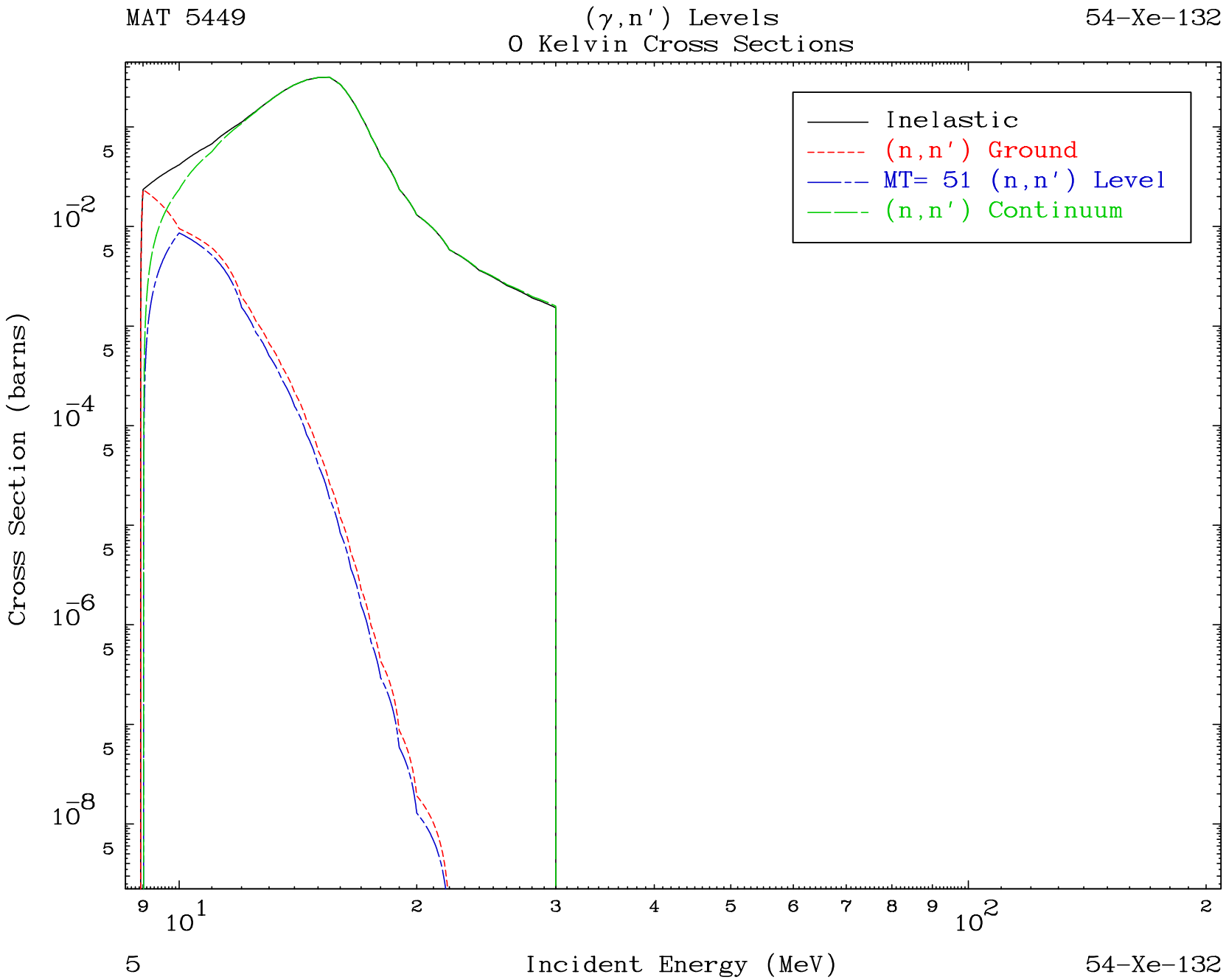
Press Mouse Button to Start

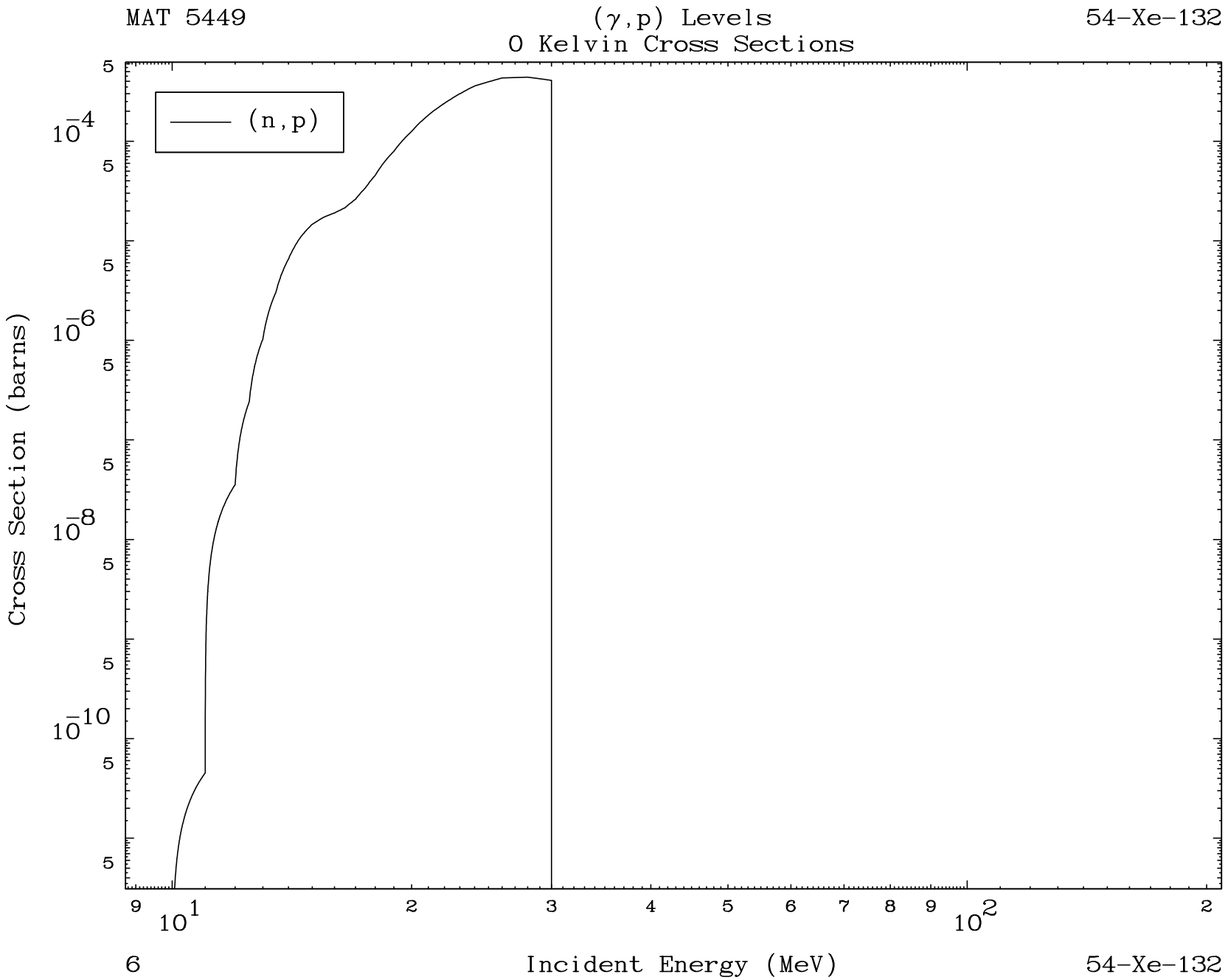

MAT 5449
Photon Major
54-Xe-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-132

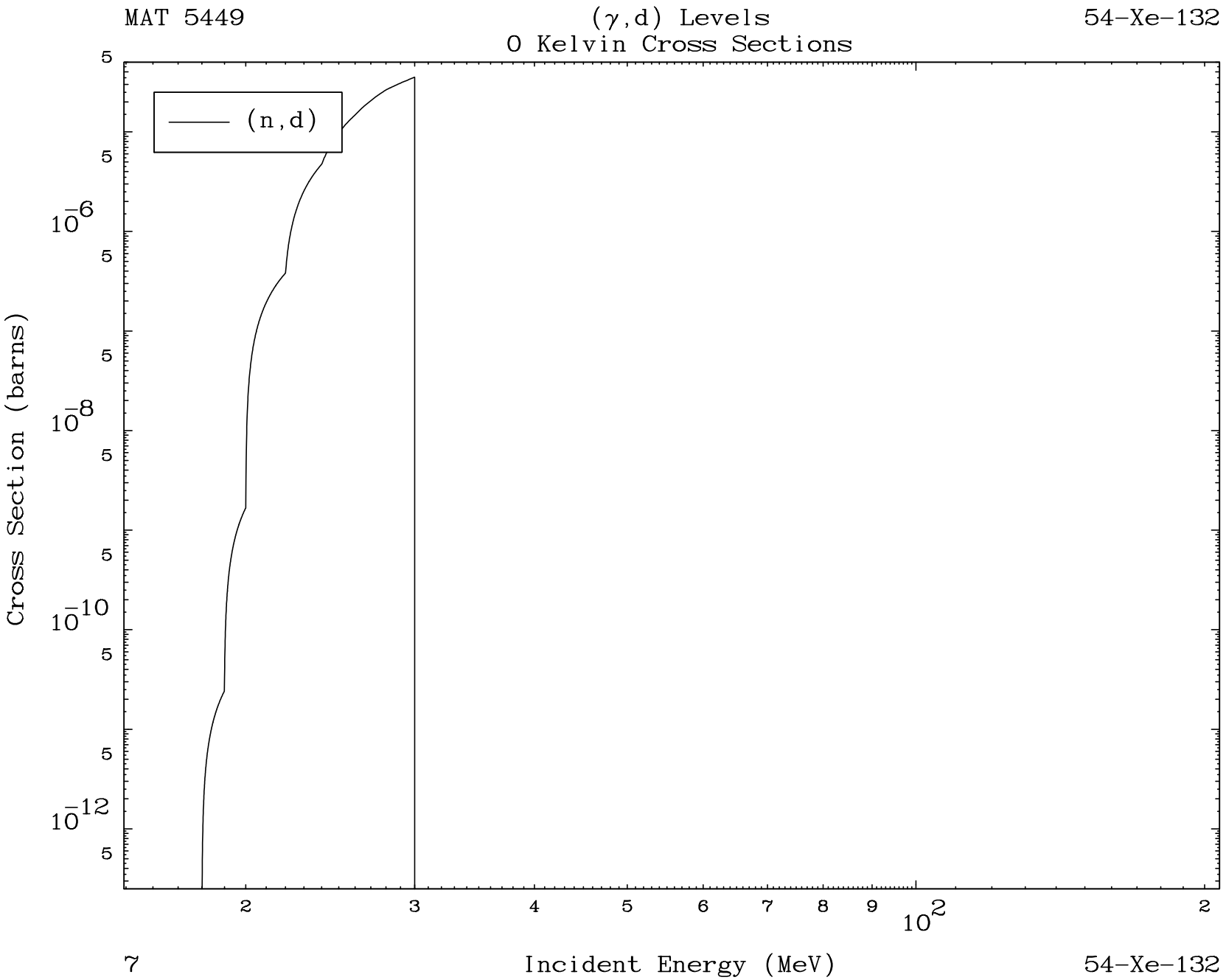

MAT 5449
Photon Neutron Absorption
0 Kelvin Cross Sections
54-Xe-132
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
54-Xe-132

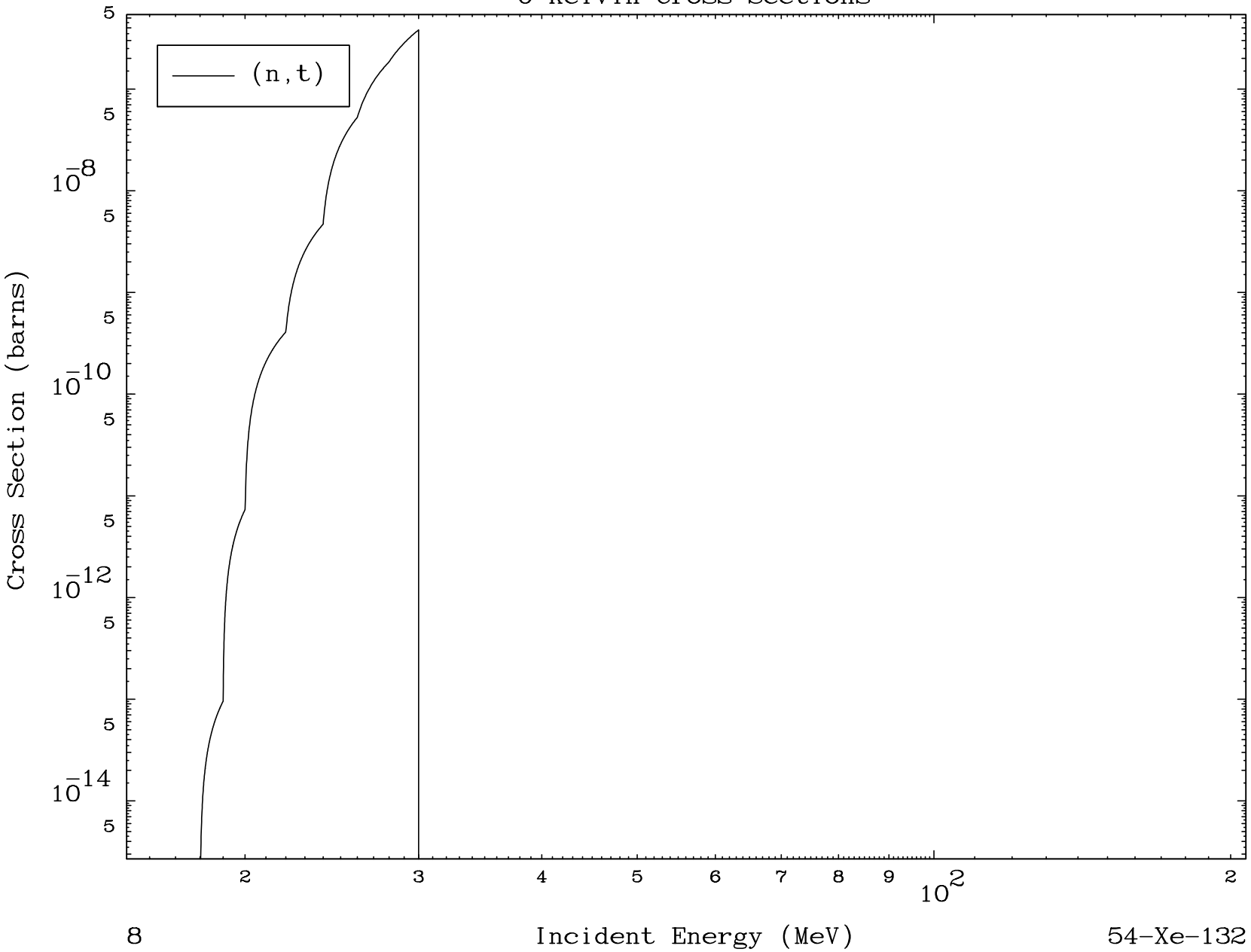

MAT 5449
Photon Neutron Absorption
0 Kelvin Cross Sections
54-Xe-132
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
3
54-Xe-132

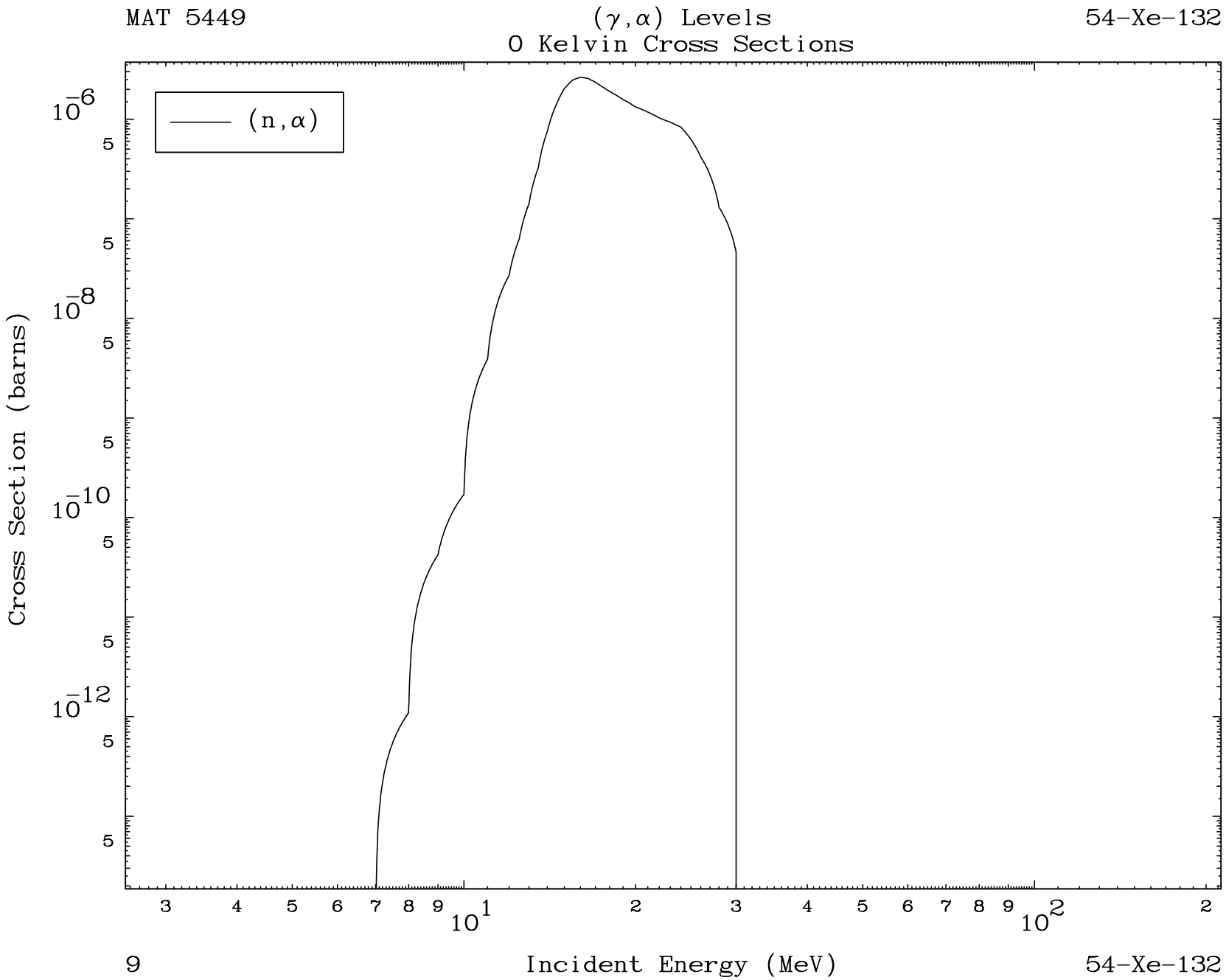

MAT 5449
Photon Charged Particle
0 Kelvin Cross Sections
54-Xe-132
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-132
4

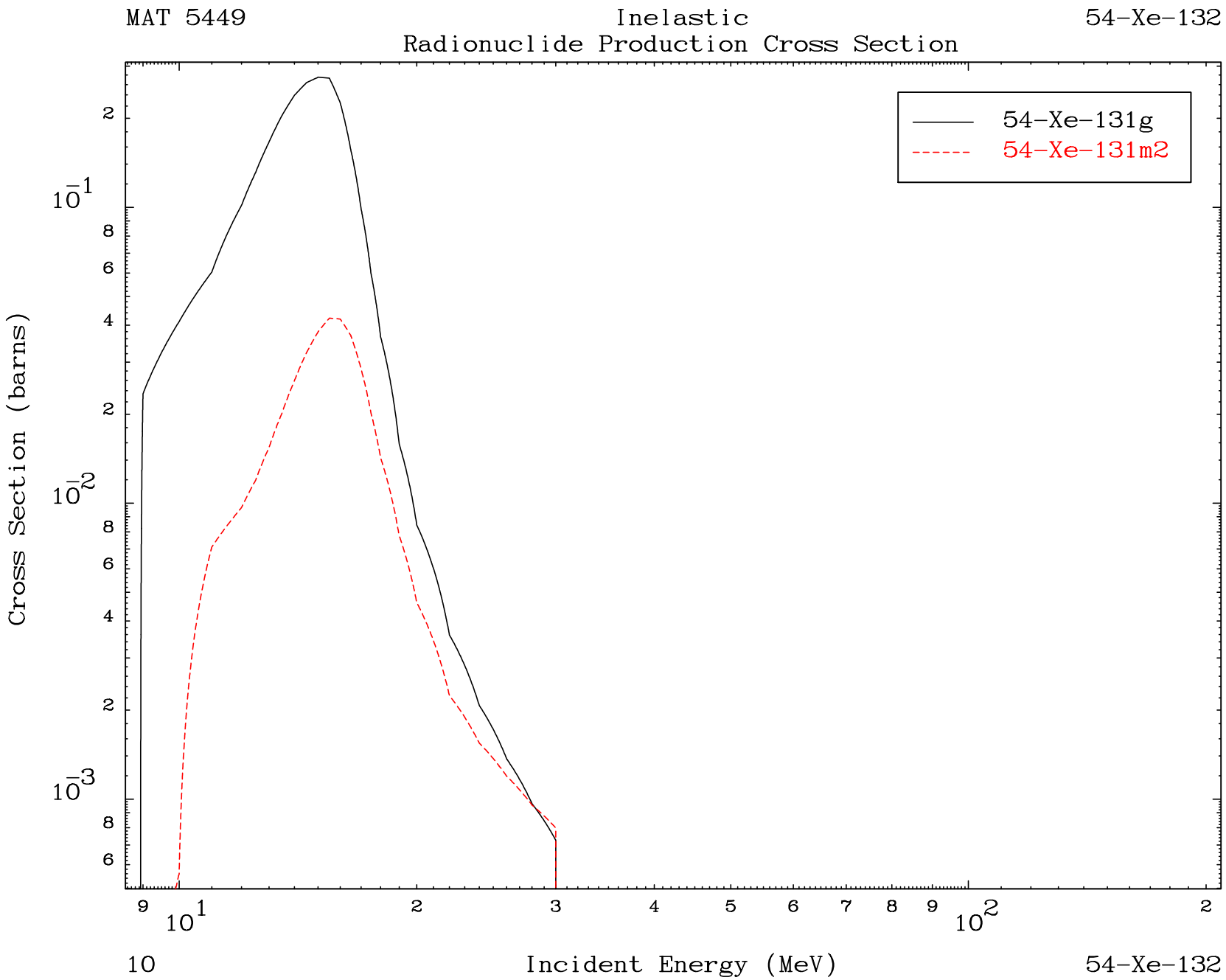

MAT 5449
(γ,n') Levels
54-Xe-132
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
54-Xe-132

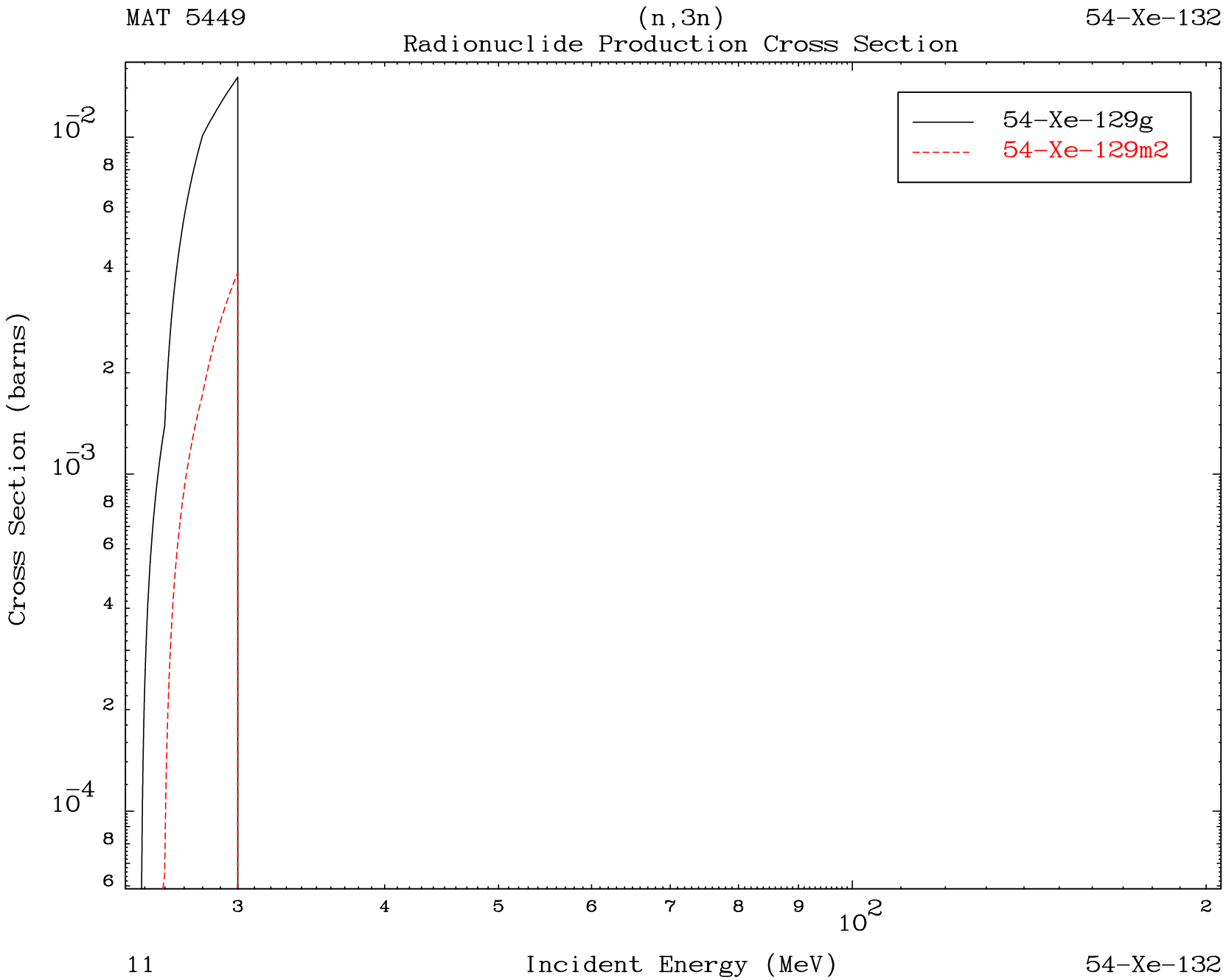

MAT 5449
(γ,p) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
54-Xe-132
6

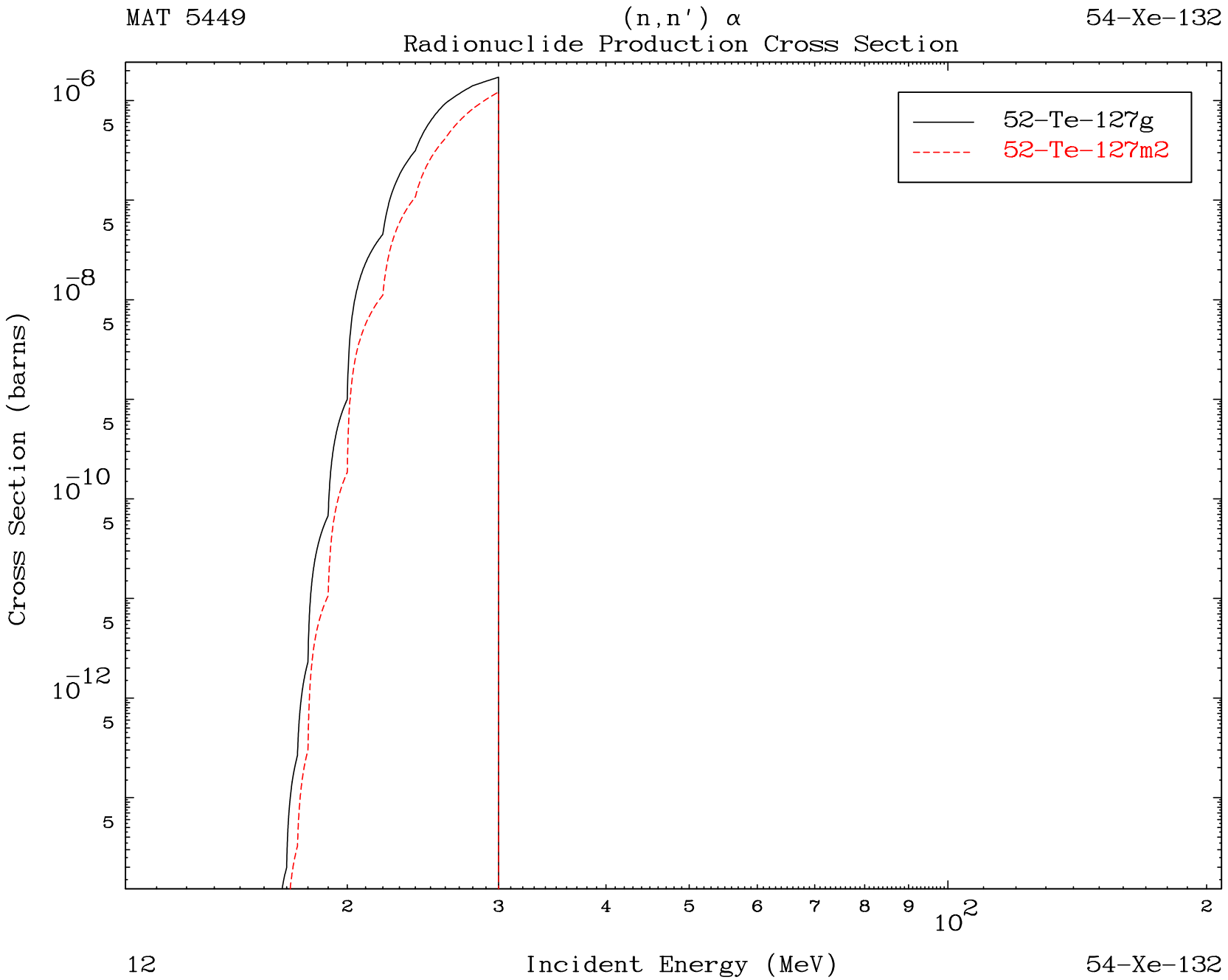

MAT 5449
(γ,d) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
54-Xe-132

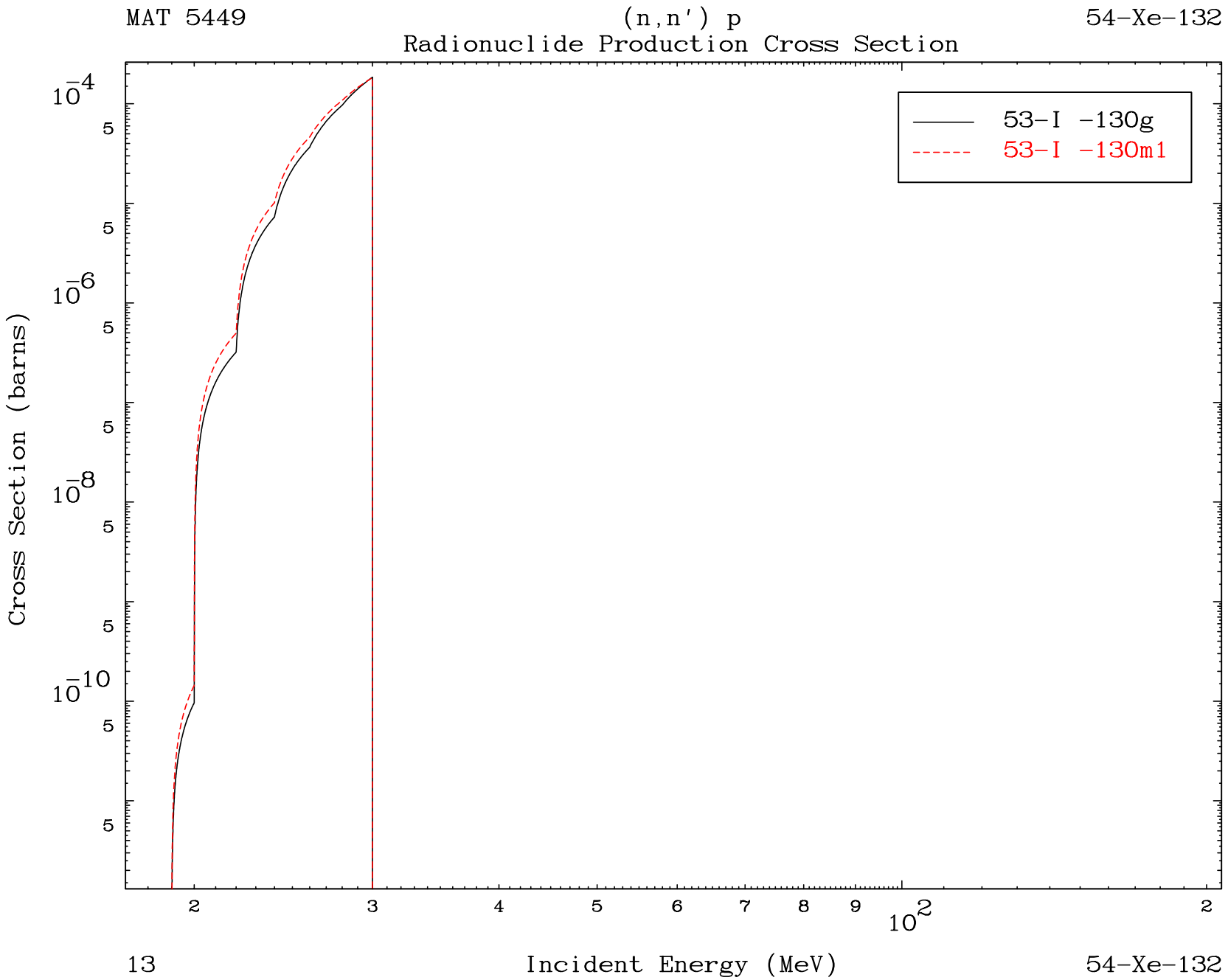

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

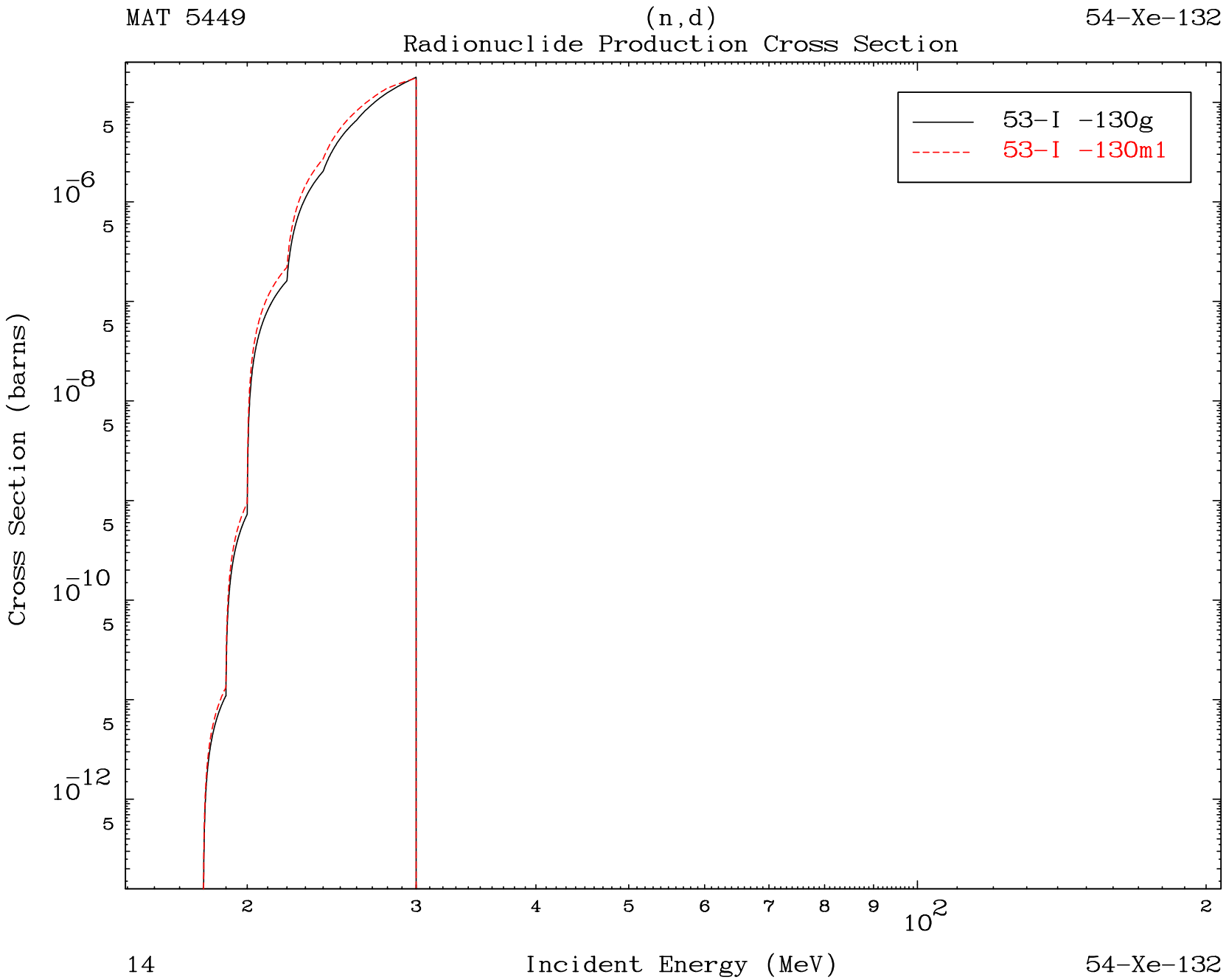

MAT 5449
(γ,α) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
54-Xe-132


MAT 5449
Inelastic
54-Xe-132
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,3n)
54-Xe-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-2
8
6
4
2
10-3
8
6
4
2
10-4
8
6
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,n') α
54-Xe-132
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,n') p
54-Xe-132
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,d)
54-Xe-132
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
54-Xe-132