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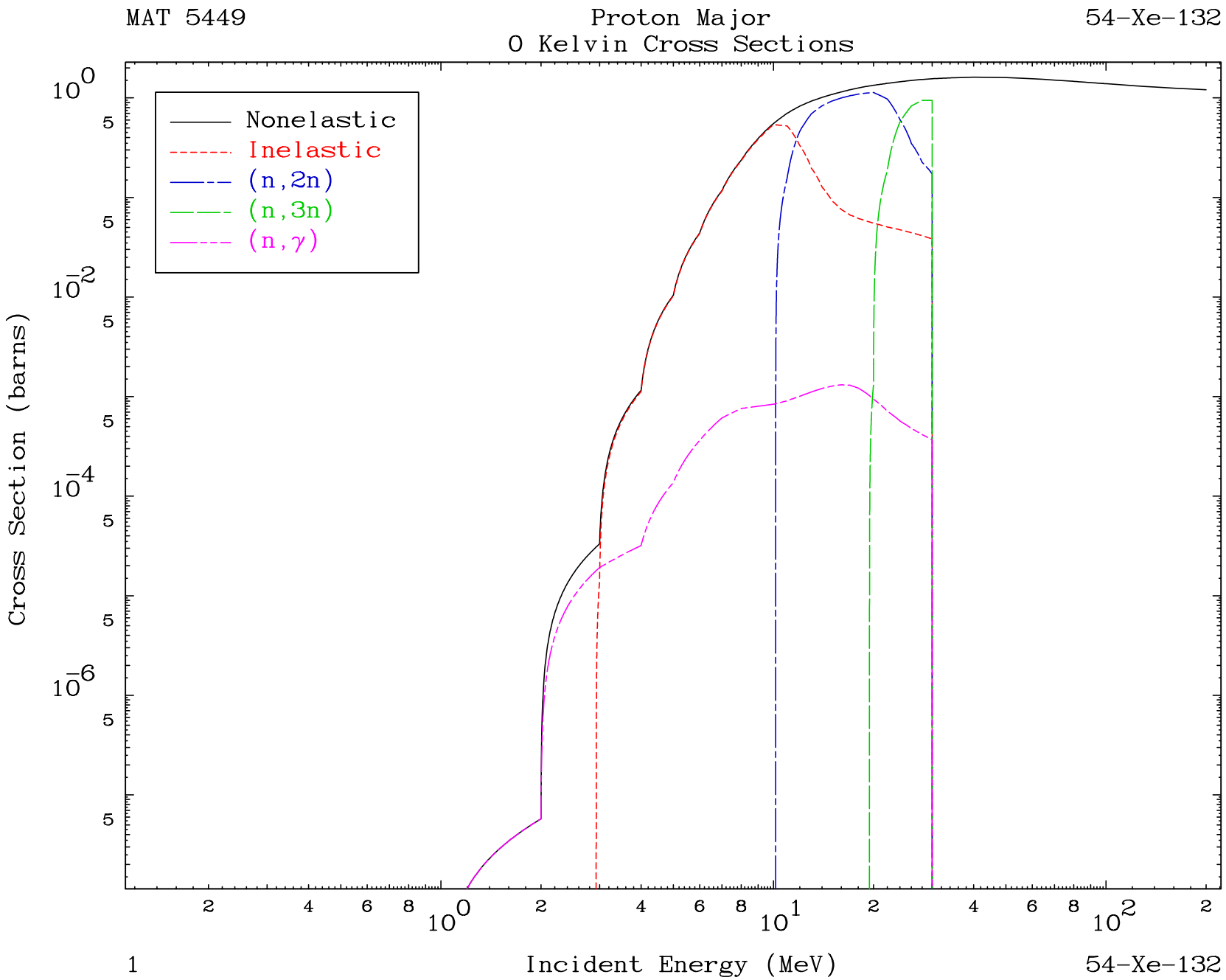
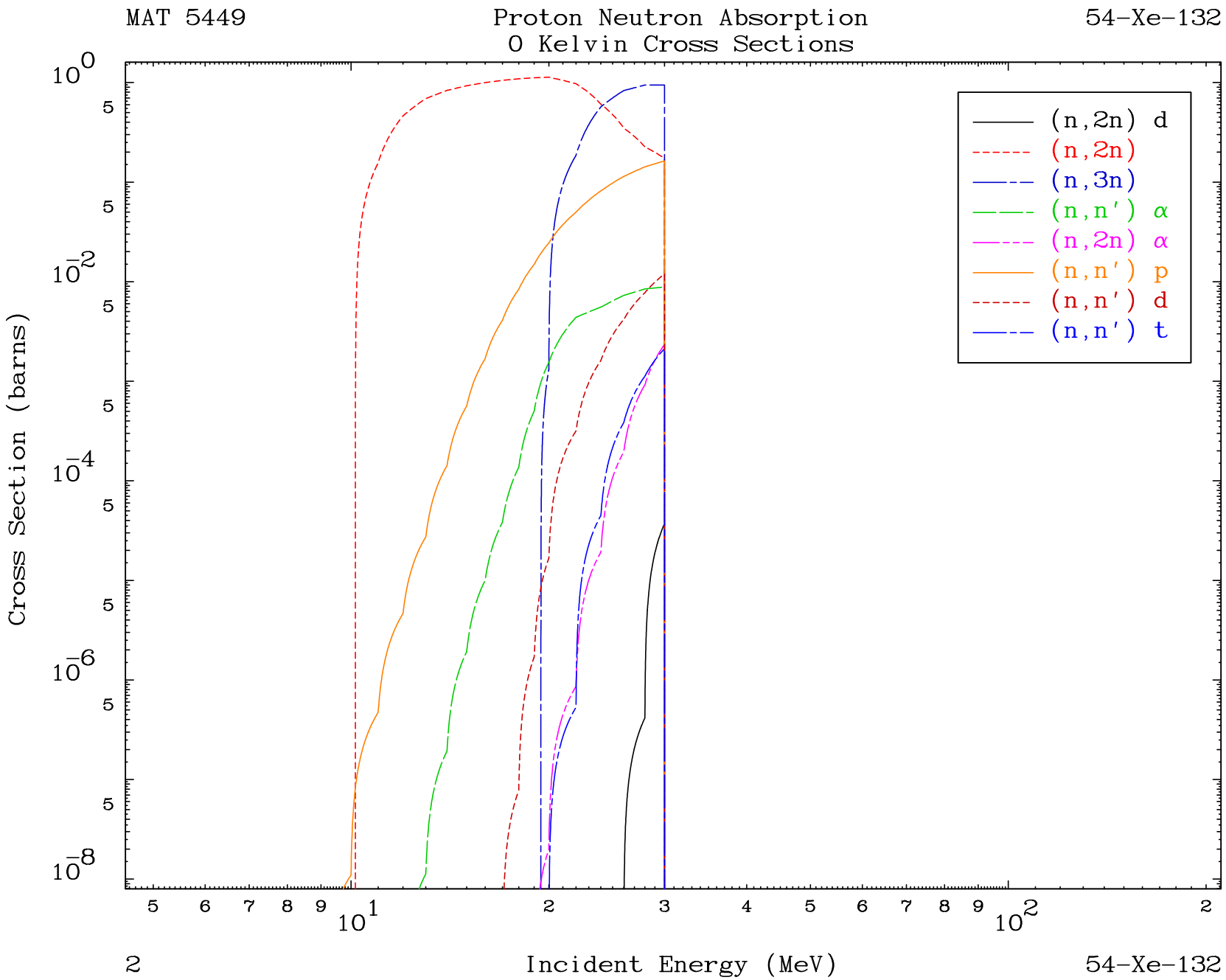
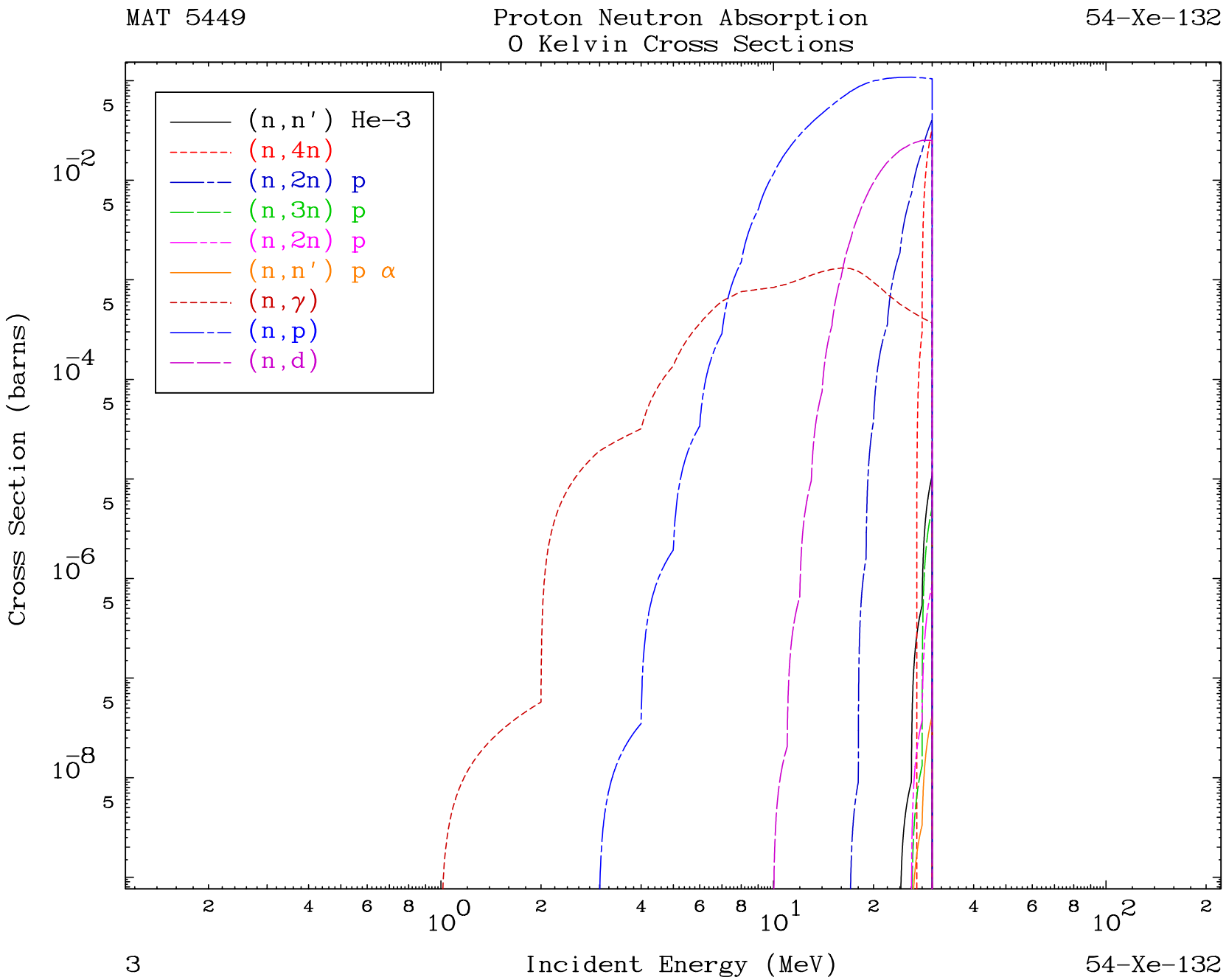
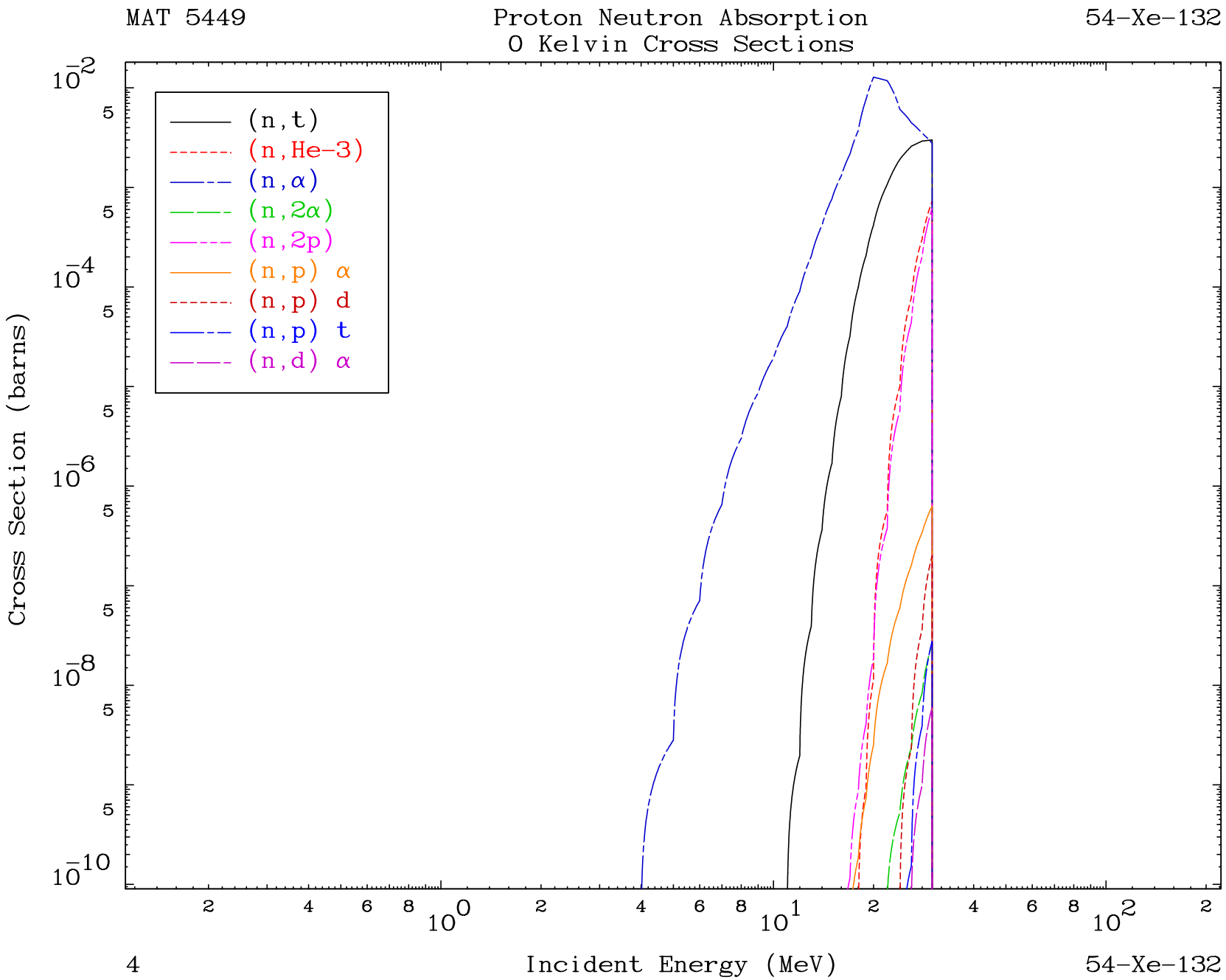
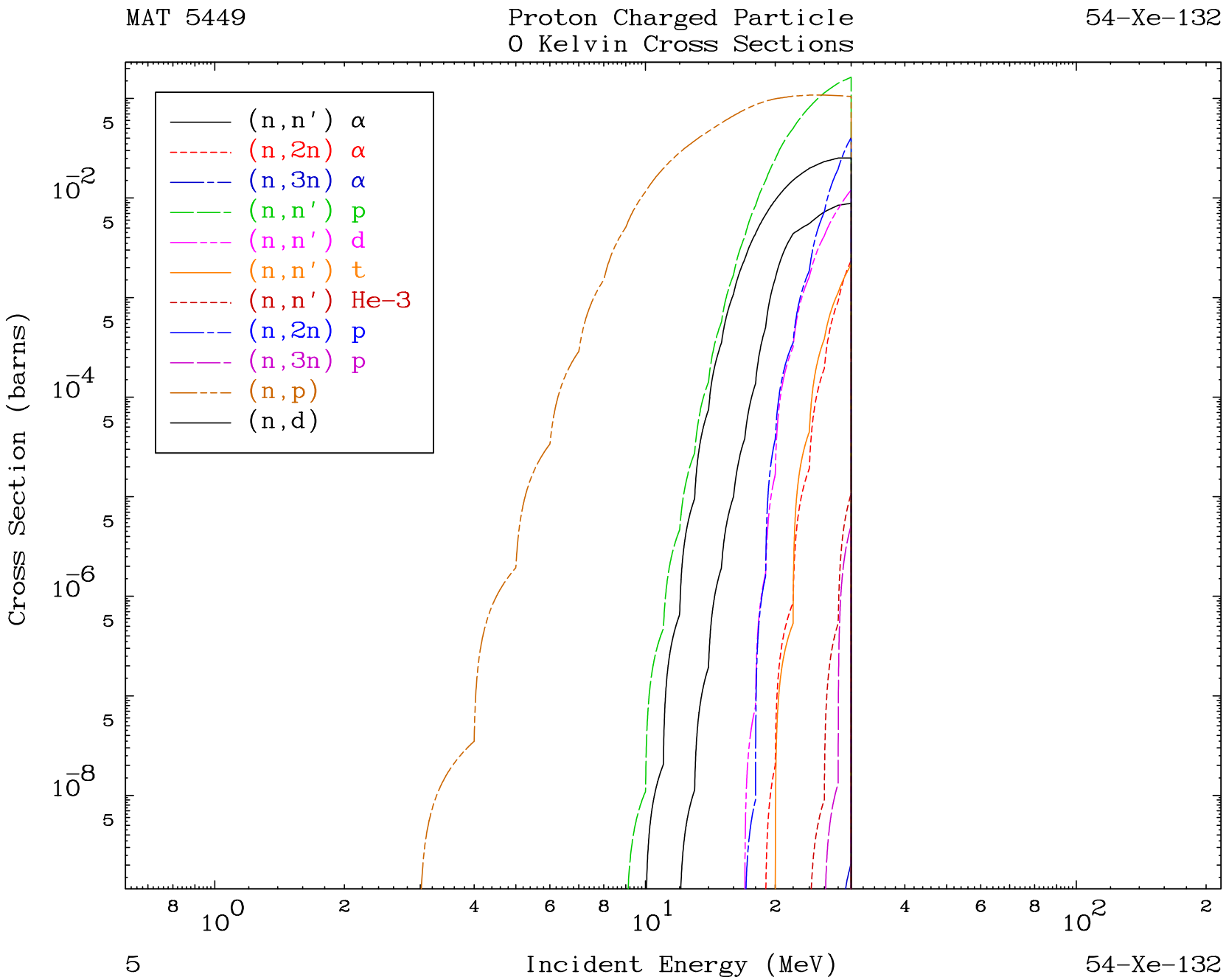
Press Mouse Button to Start

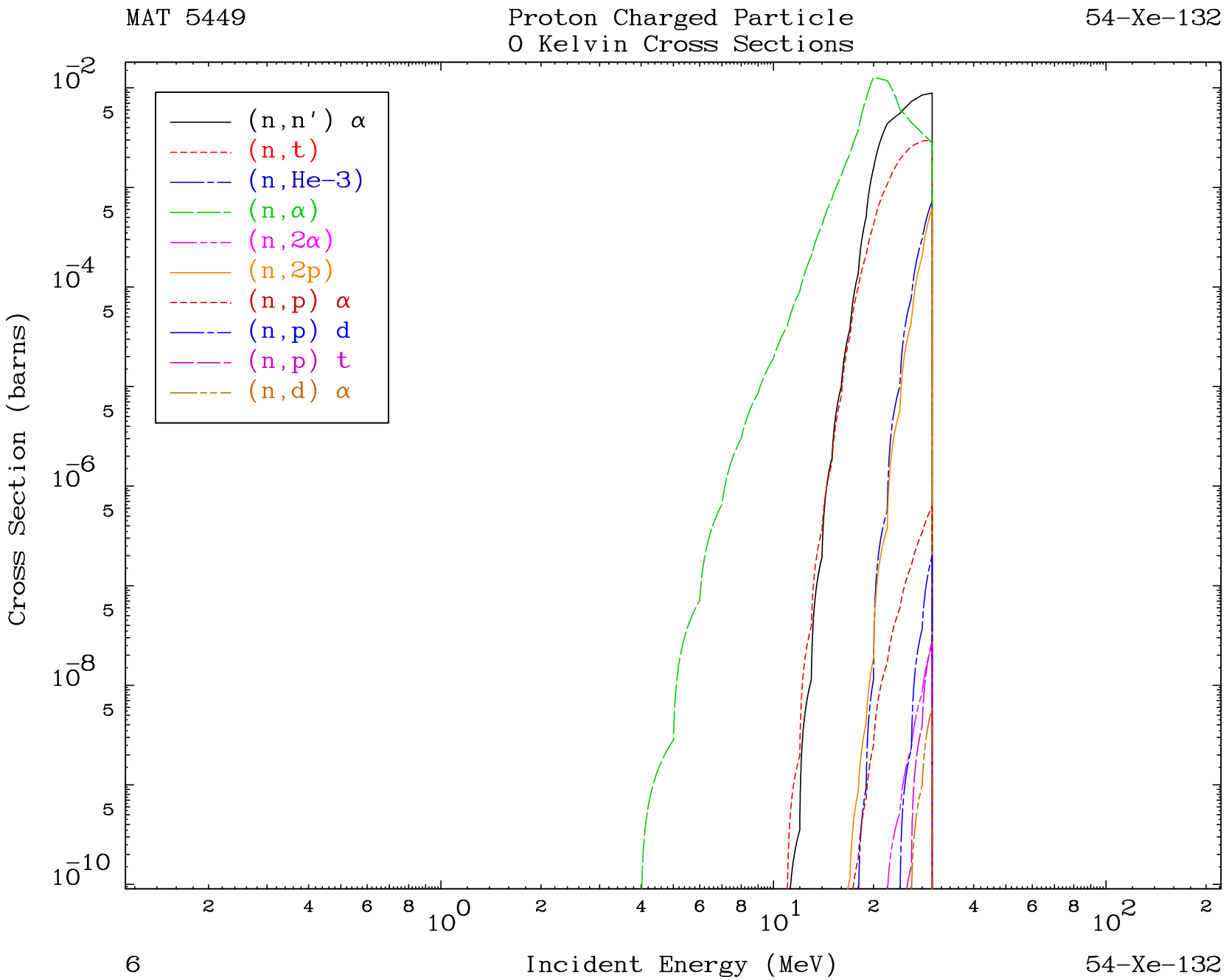

MAT 5449
Proton Major
54-Xe-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
54-Xe-132

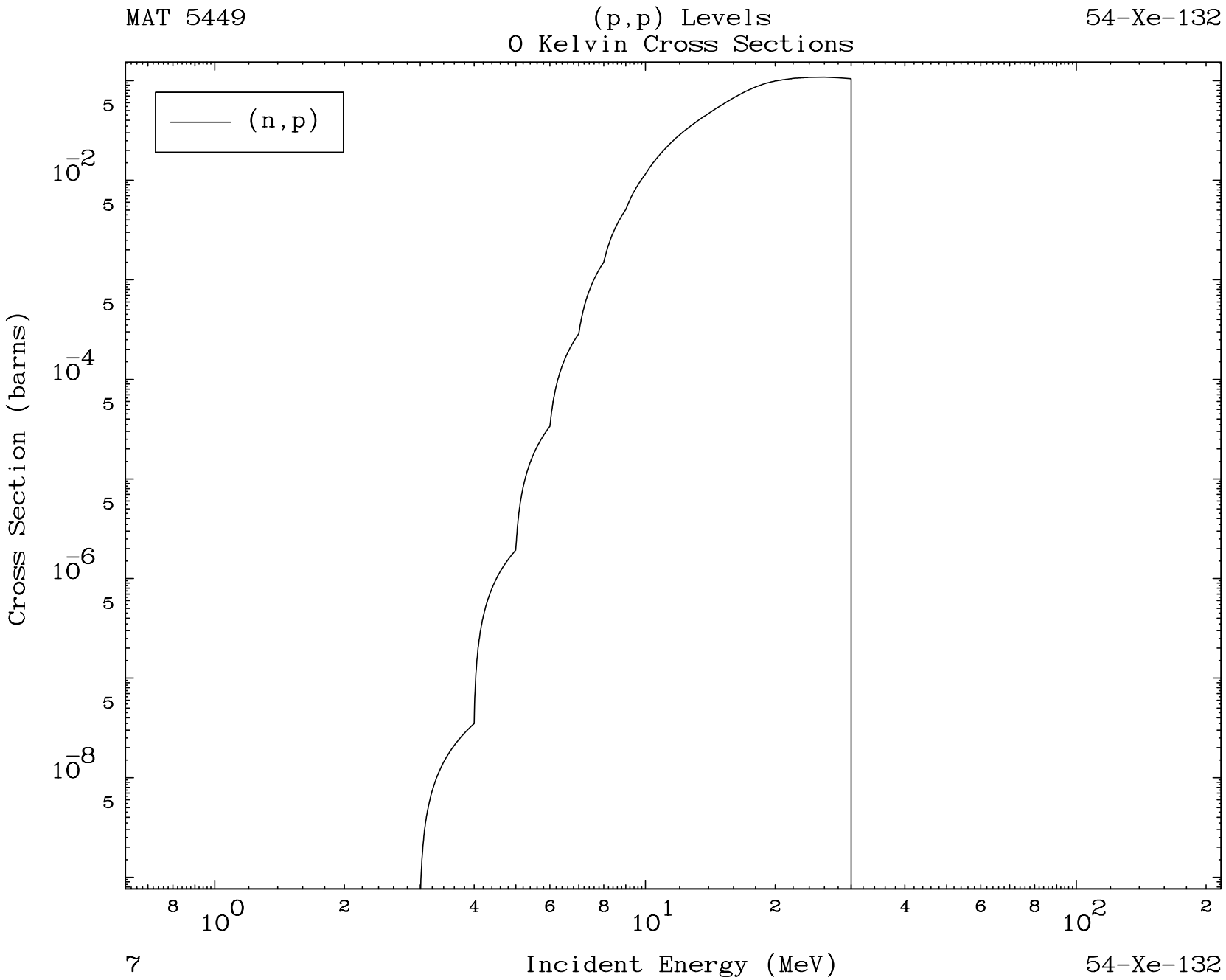

MAT 5449
Proton Neutron Absorption
0 Kelvin Cross Sections
54-Xe-132
Cross Section (barns)
Incident Energy (MeV)
54-Xe-132
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t

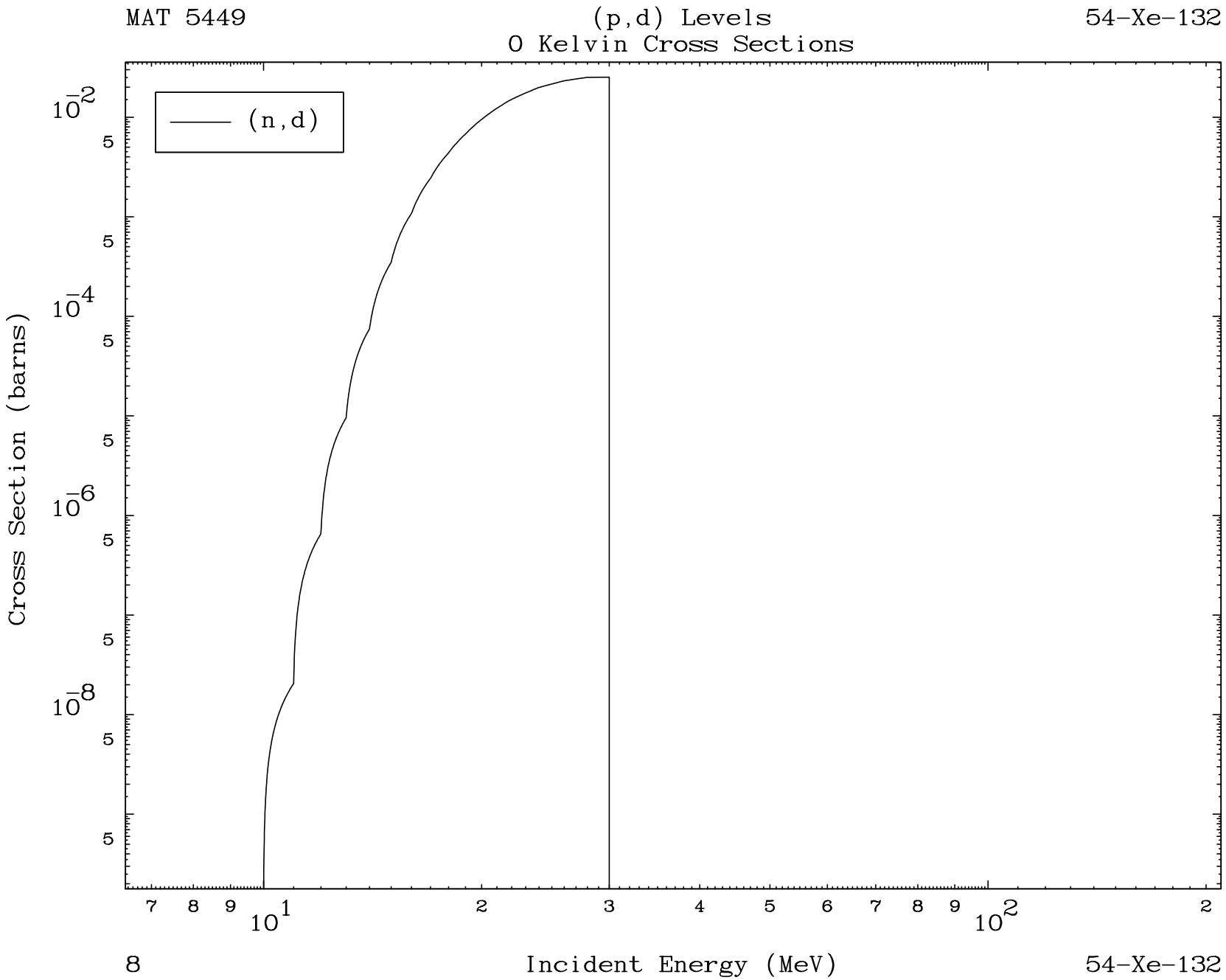

MAT 5449
Proton Neutron Absorption
0 Kelvin Cross Sections
54-Xe-132
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
54-Xe-132

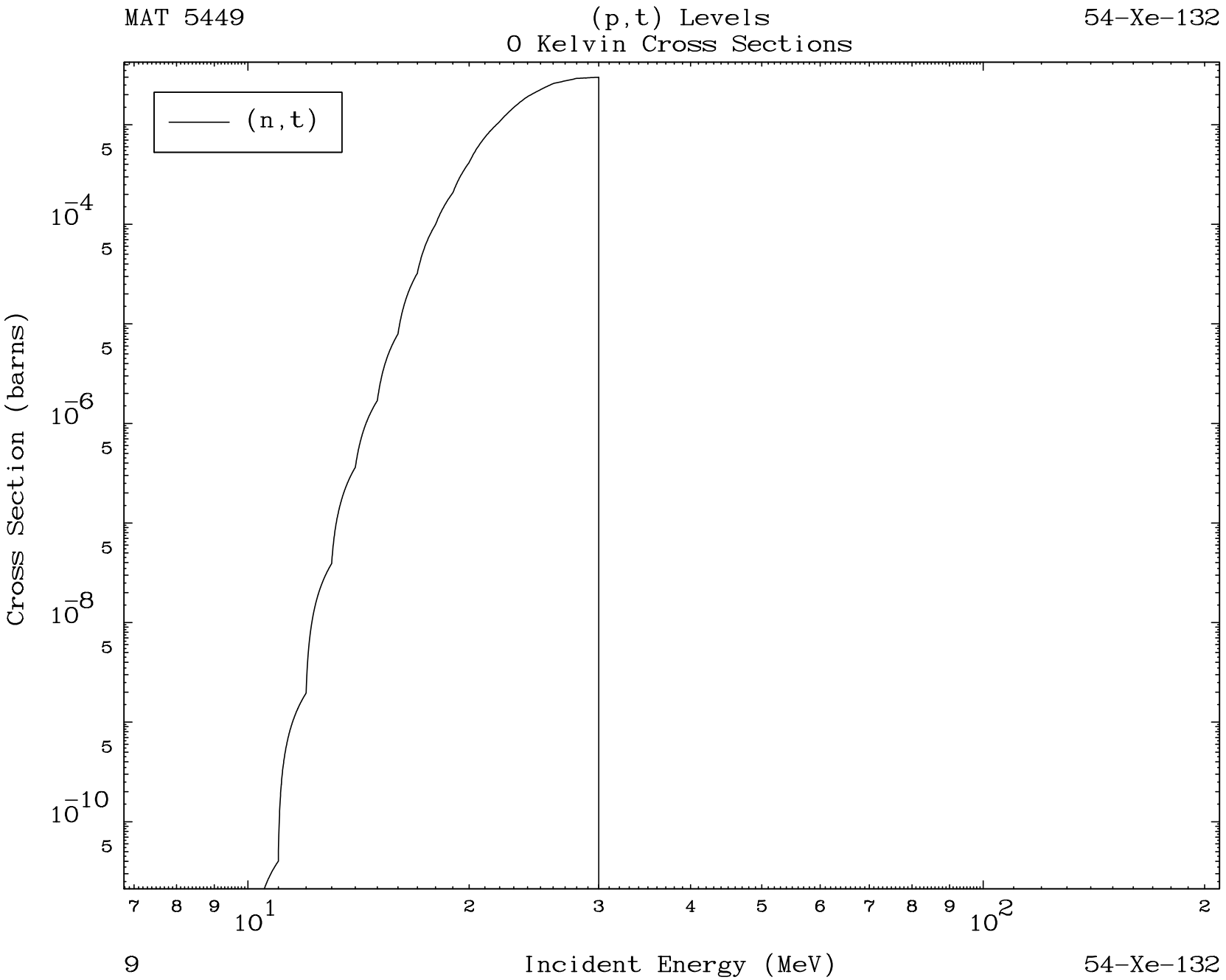

MAT 5449
Proton Neutron Absorption
0 Kelvin Cross Sections
54-Xe-132
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
54-Xe-132

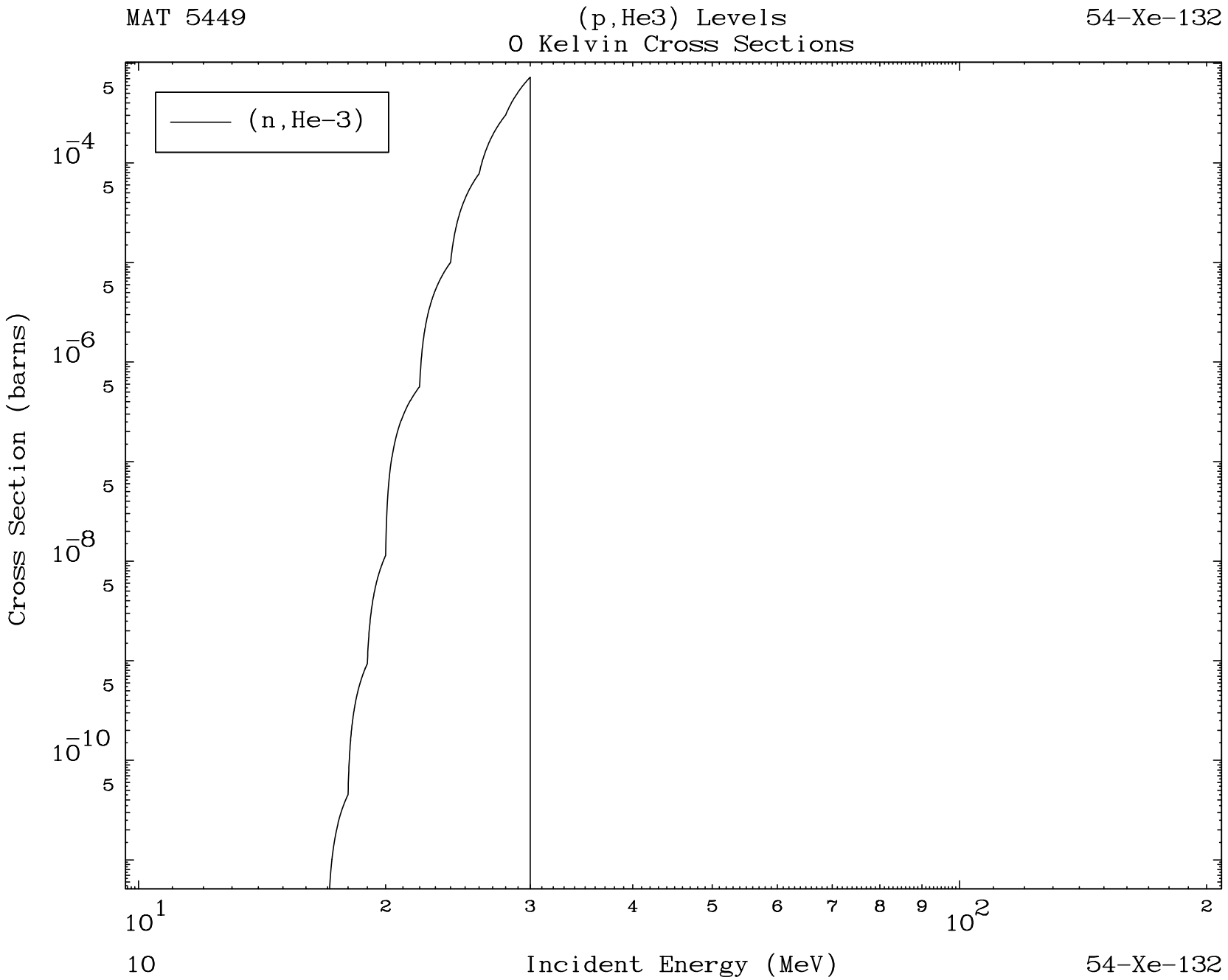

MAT 5449
Proton Charged Particle
0 Kelvin Cross Sections
54-Xe-132
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
54-Xe-132
5

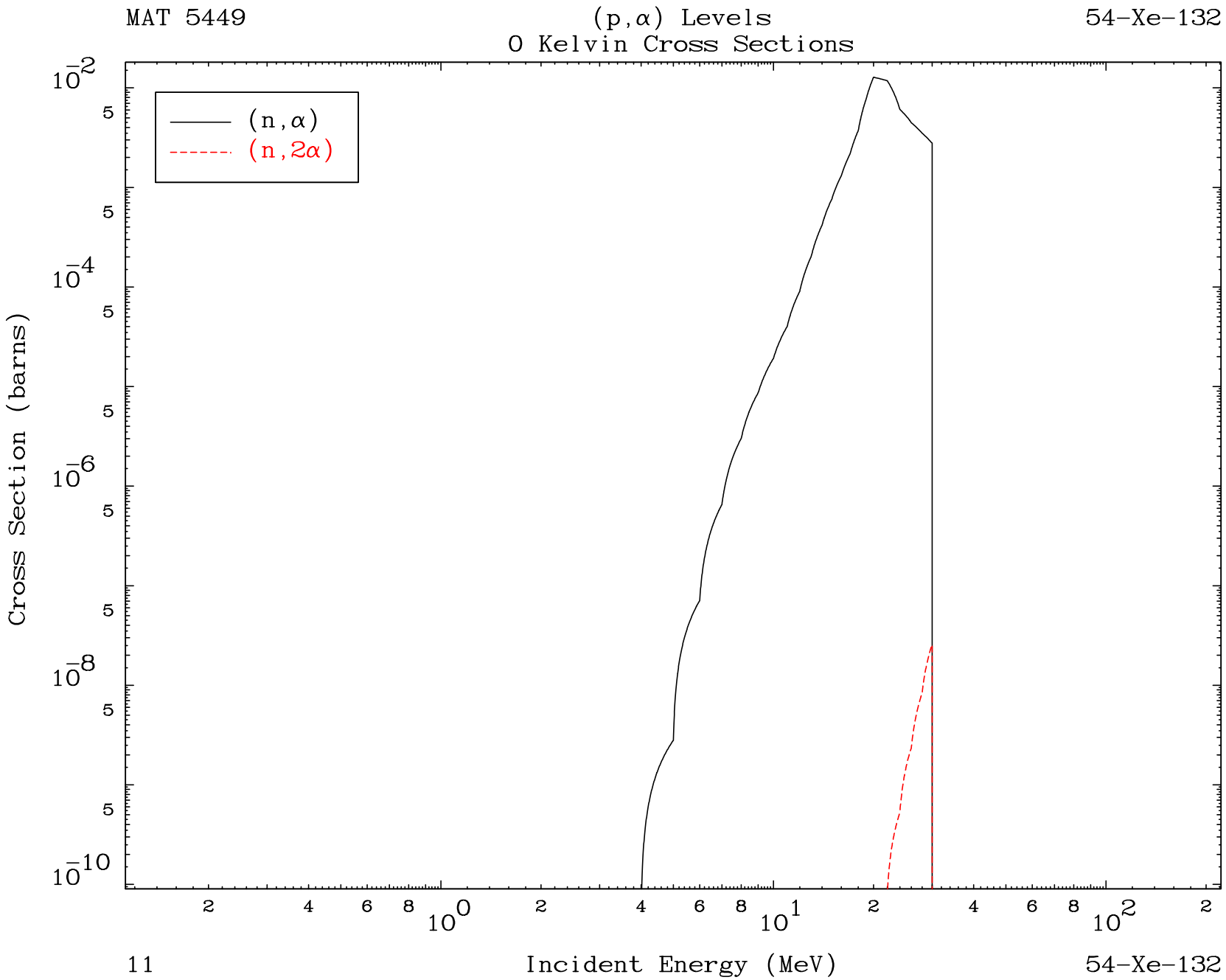

MAT 5449
Proton Charged Particle
0 Kelvin Cross Sections
54-Xe-132
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
54-Xe-132

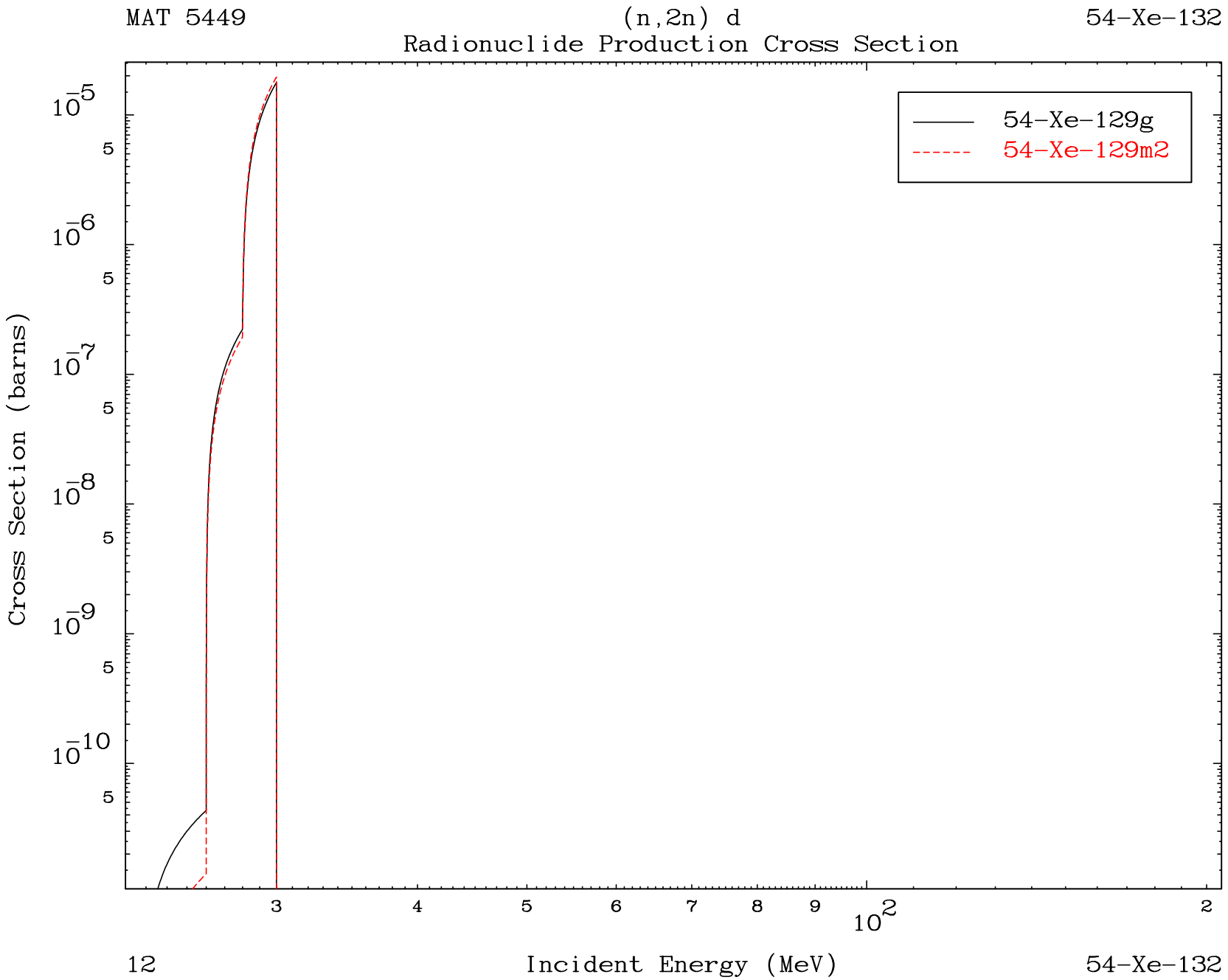

MAT 5449
(p,p) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
54-Xe-132

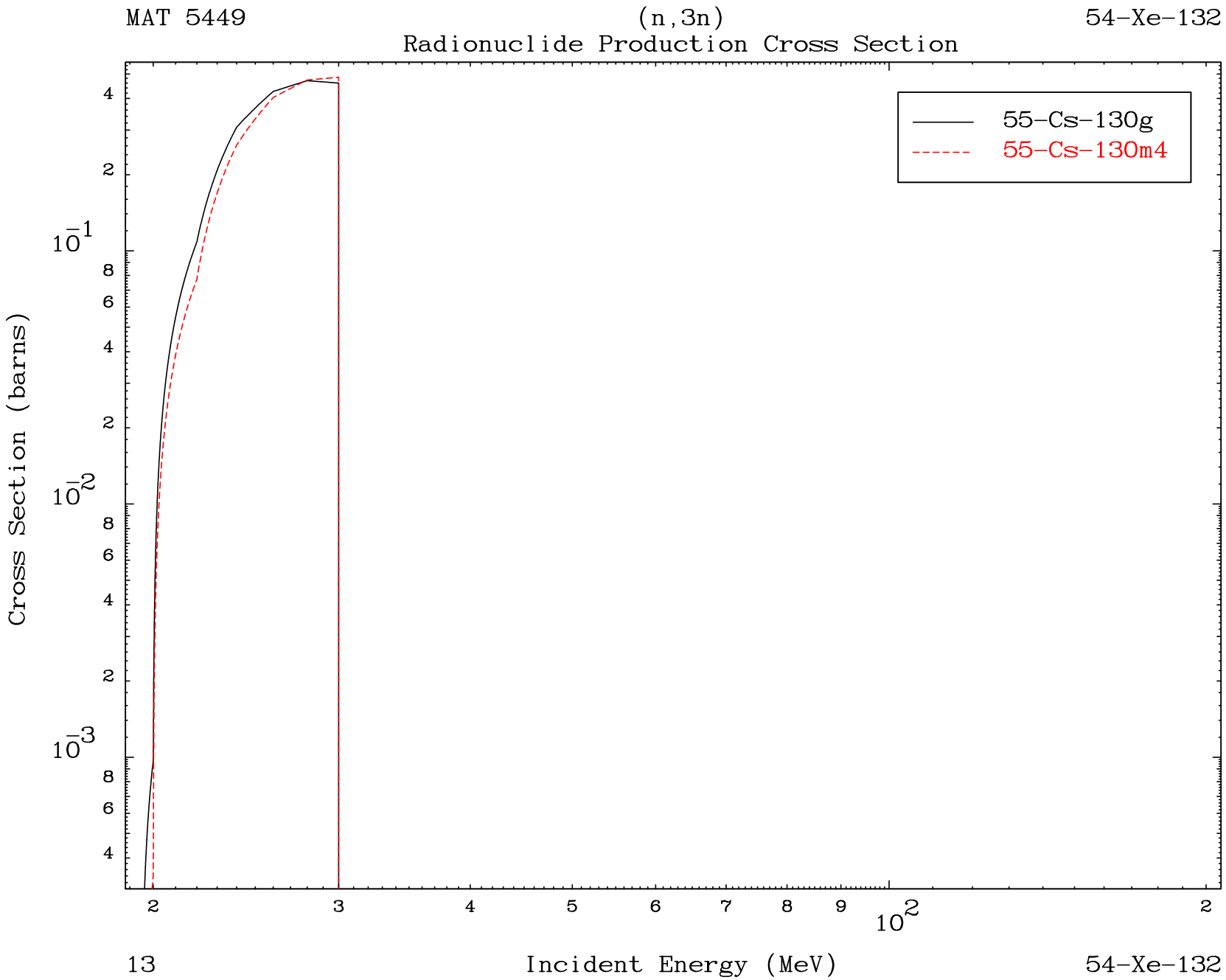

MAT 5449
(p,d) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
8
54-Xe-132

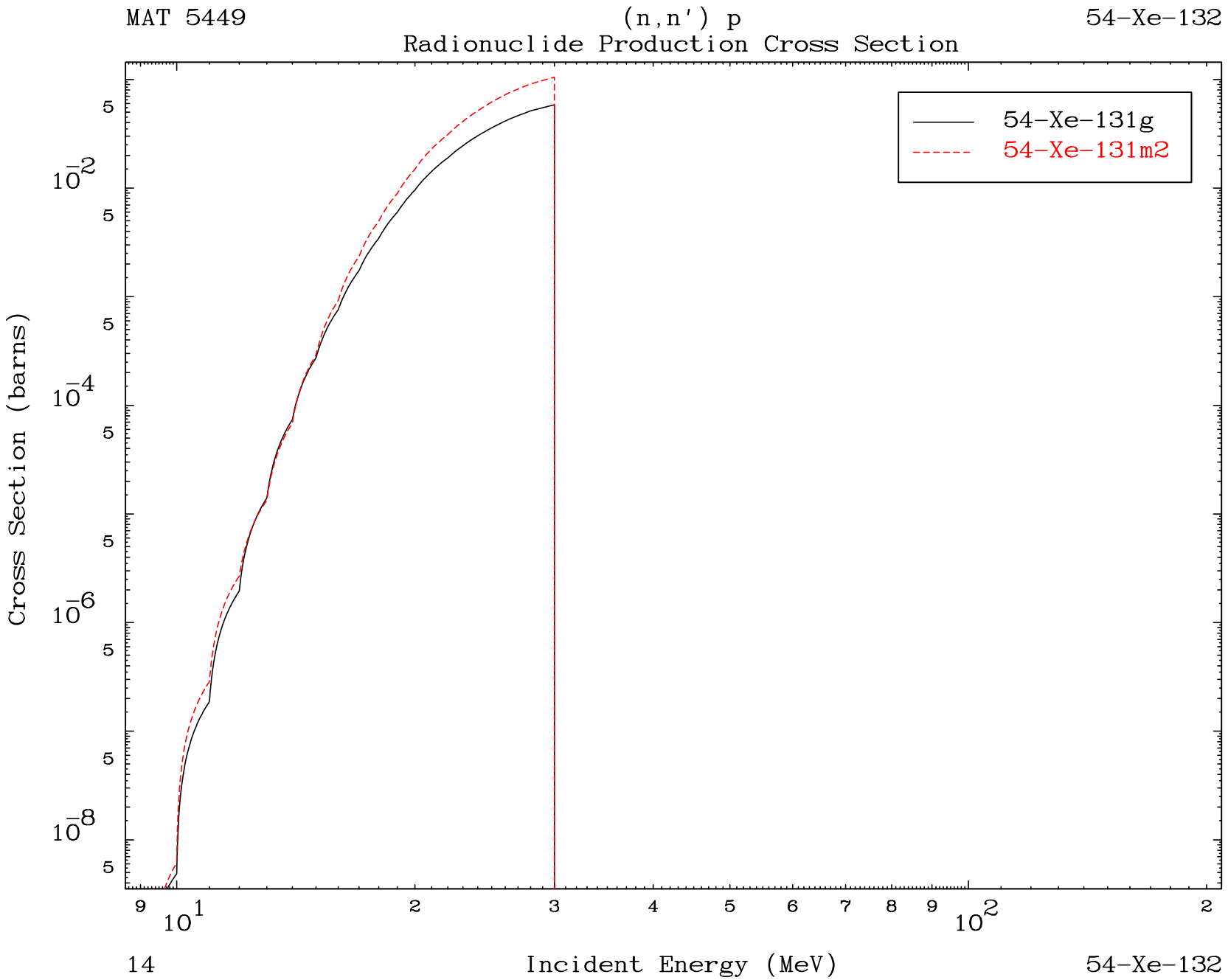

MAT 5449
(p,t) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
54-Xe-132

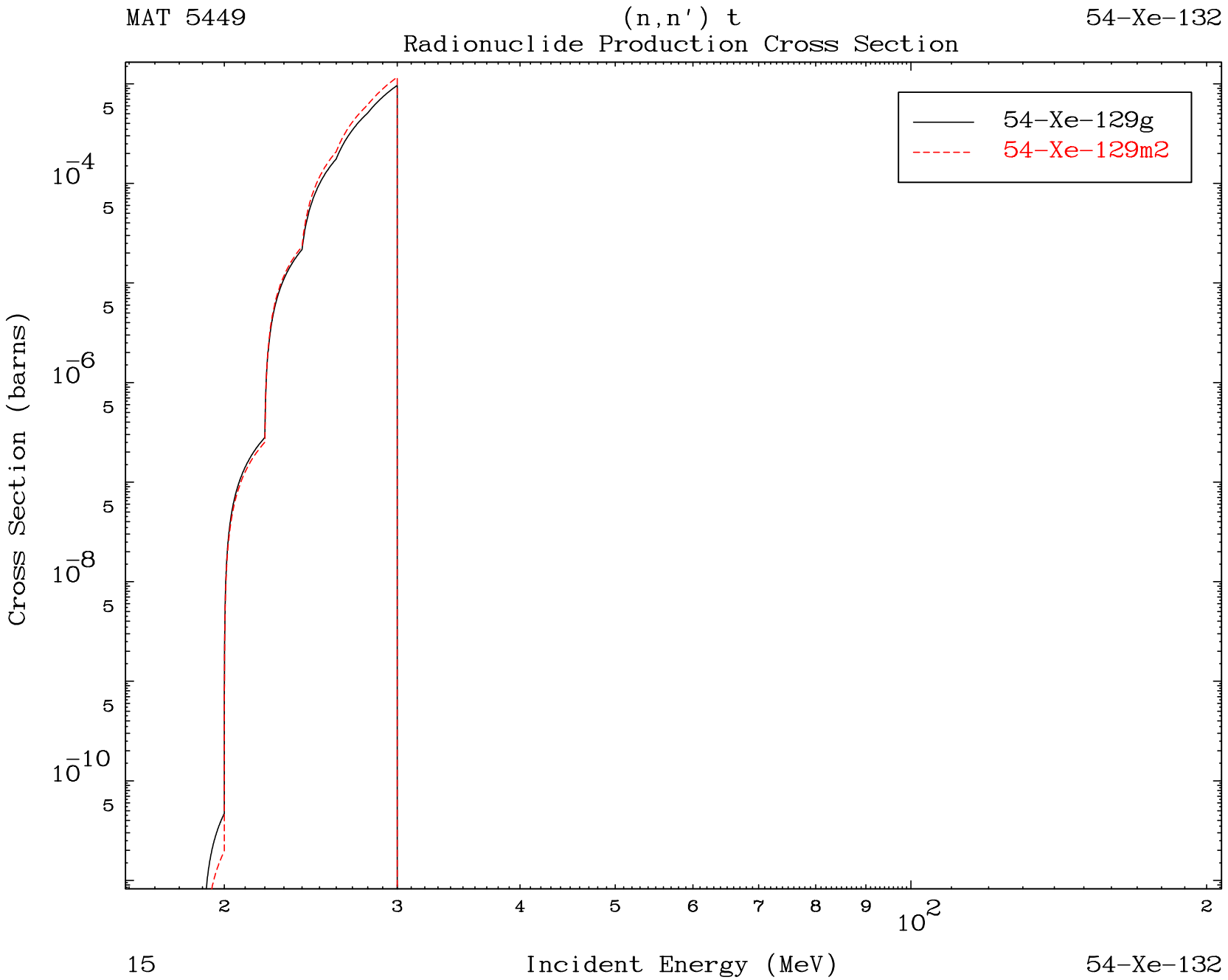

MAT 5449
(p,He3) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
54-Xe-132

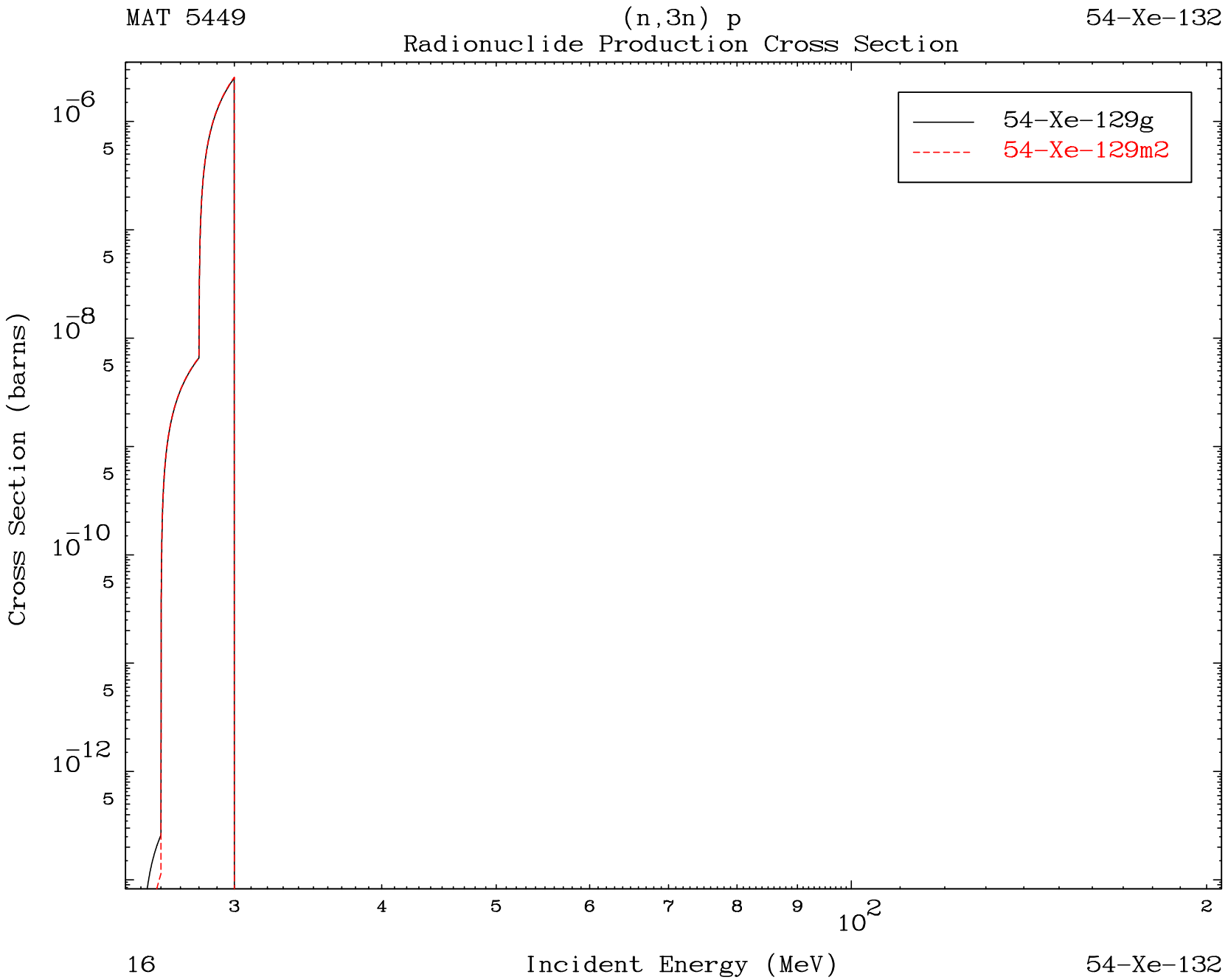

MAT 5449
(p,α) Levels
54-Xe-132
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
54-Xe-132

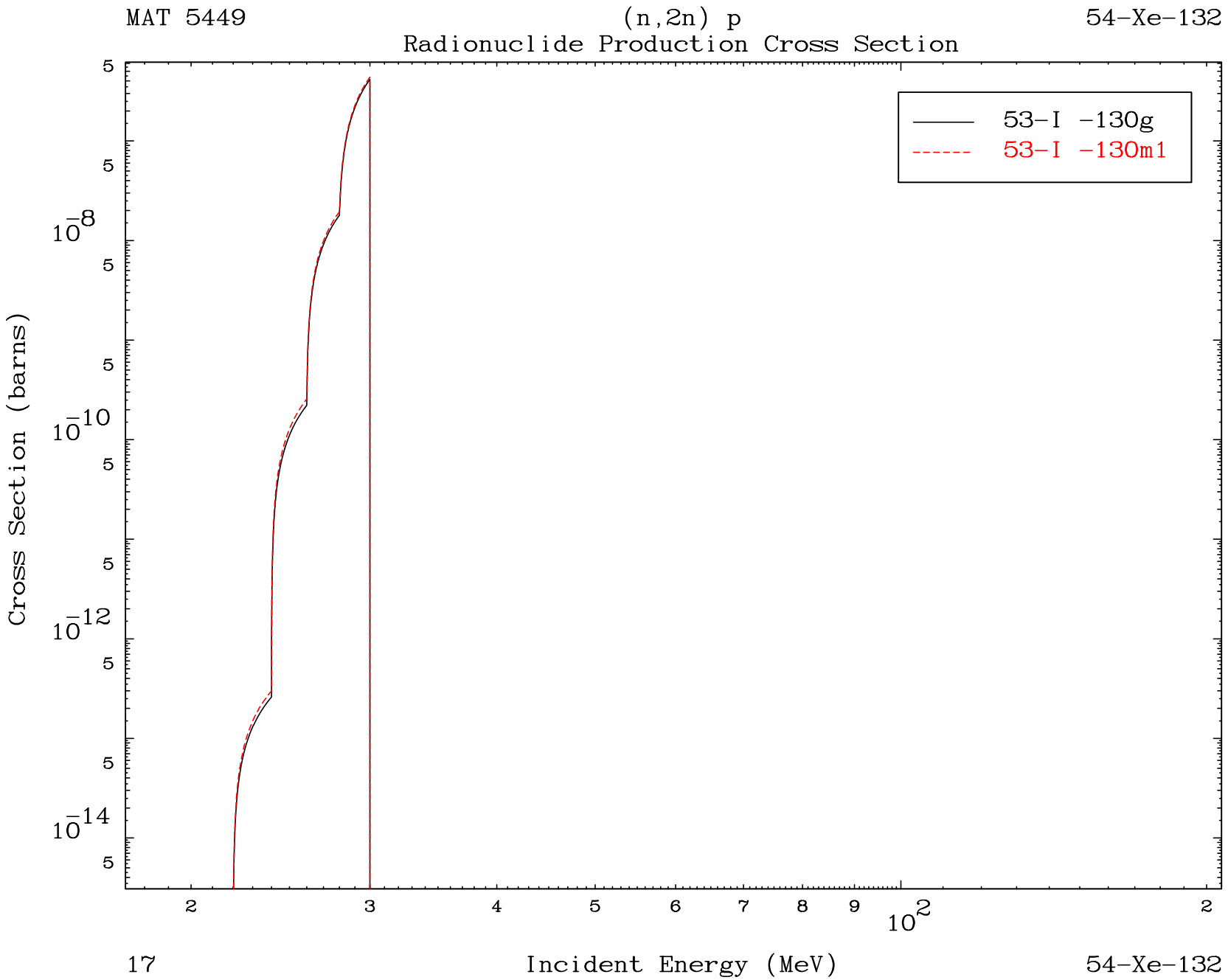

MAT 5449
(n,2n) d
54-Xe-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10^-5
10^-6
10^-7
10^-8
10^-9
10^-10
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
54-Xe-132

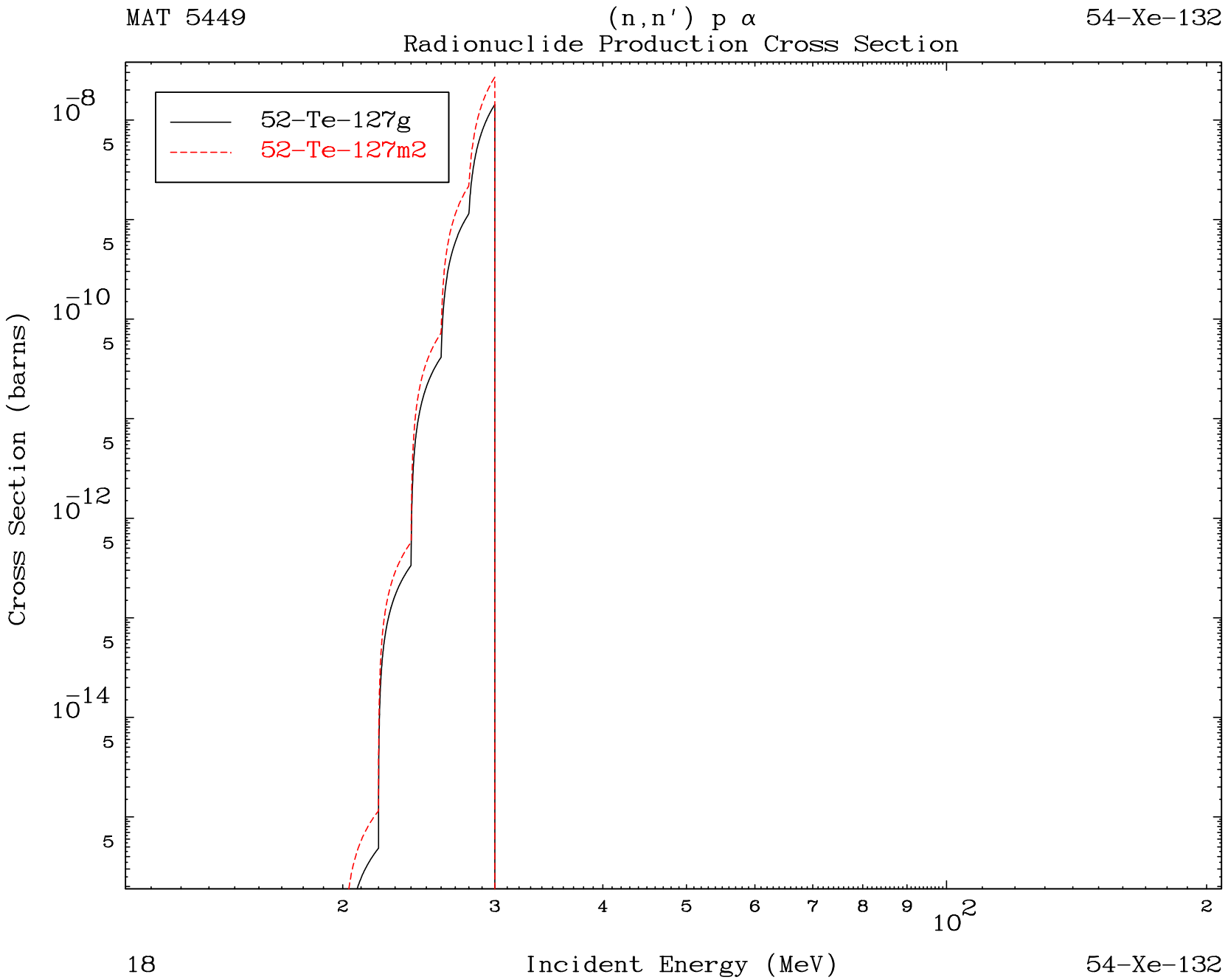

MAT 5449
(n,3n)
54-Xe-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
Incident Energy (MeV)
13
54-Xe-132

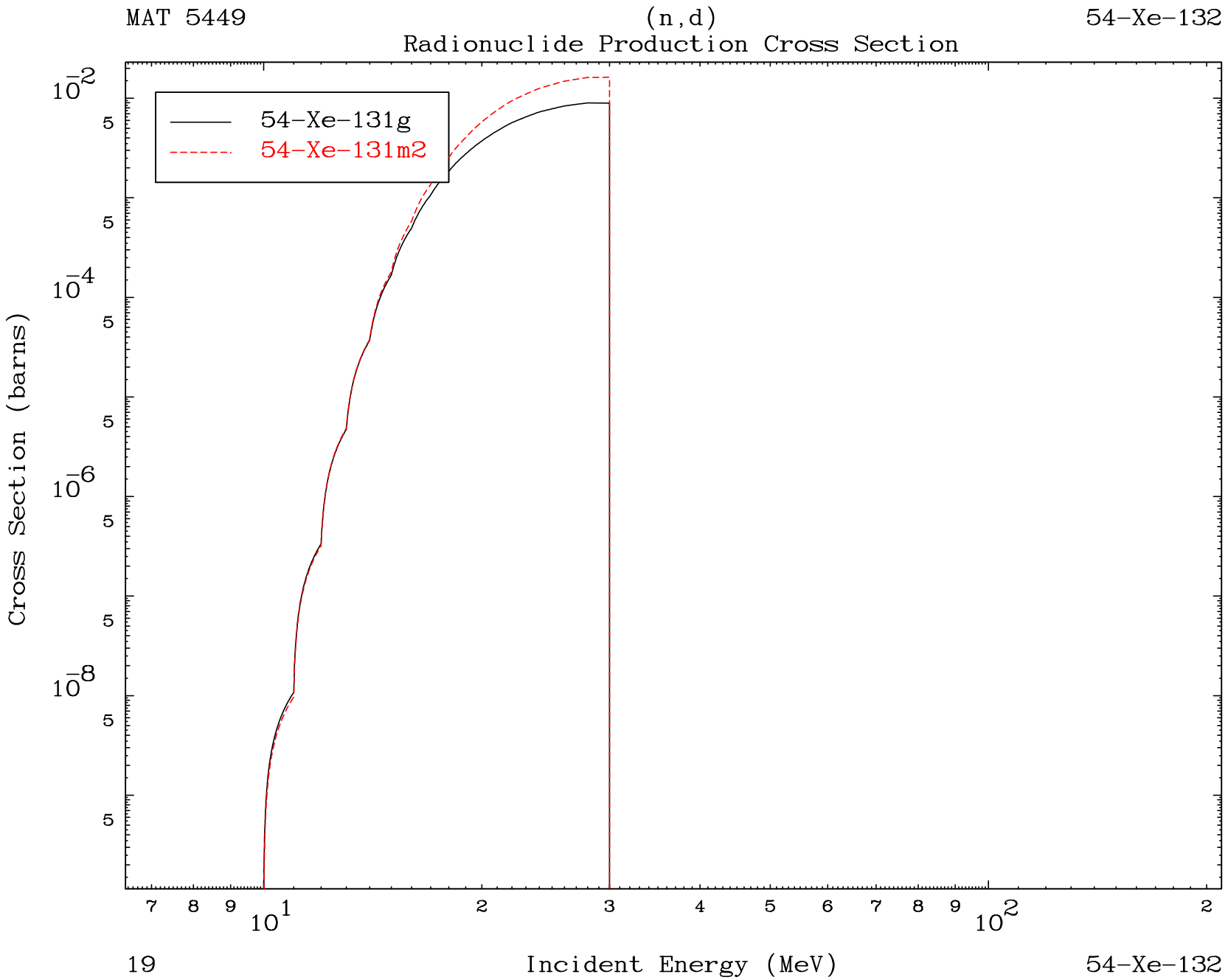

MAT 5449
(n,n') p
54-Xe-132
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
14
54-Xe-132

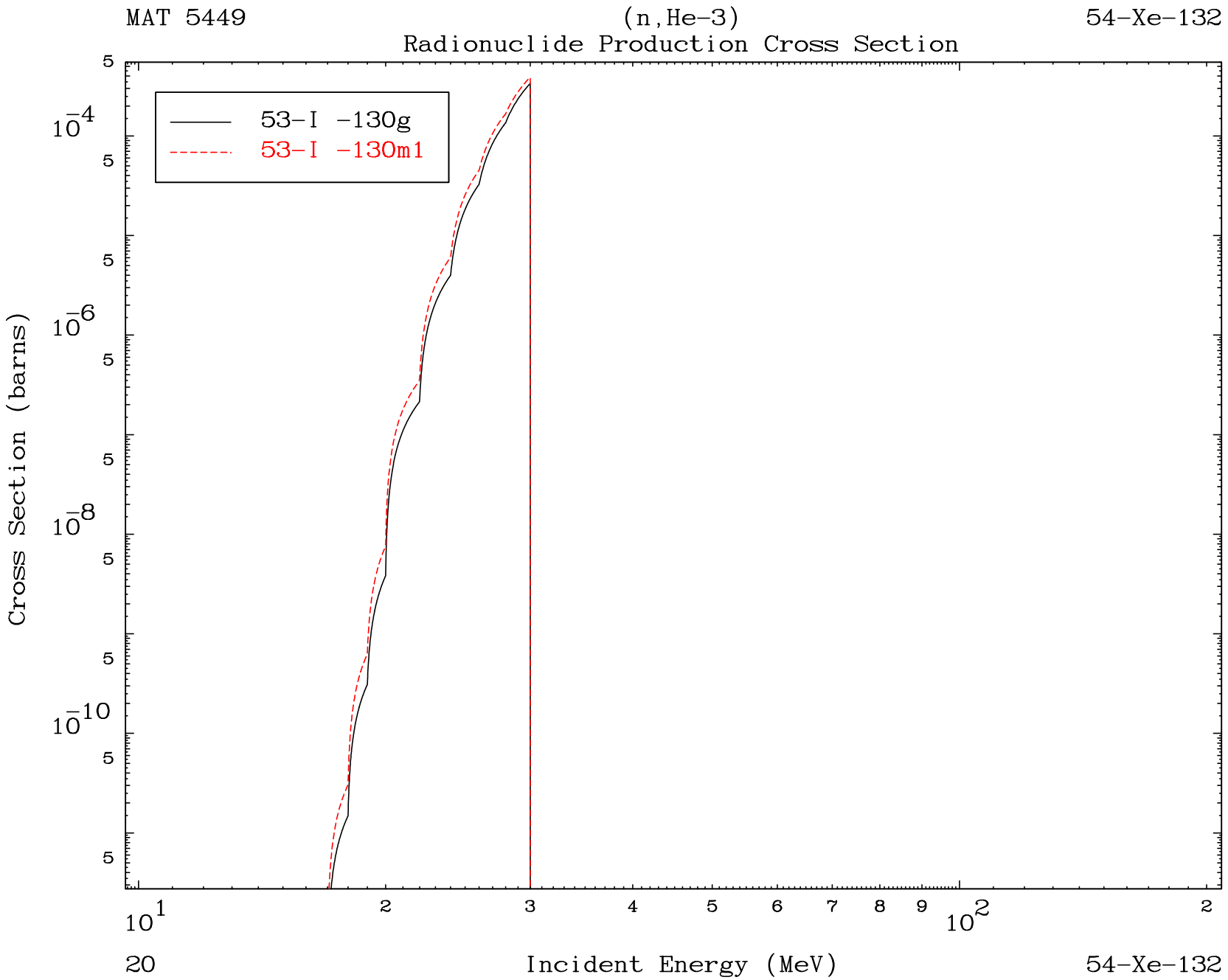

MAT 5449
(n,n') t
54-Xe-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
54-Xe-132

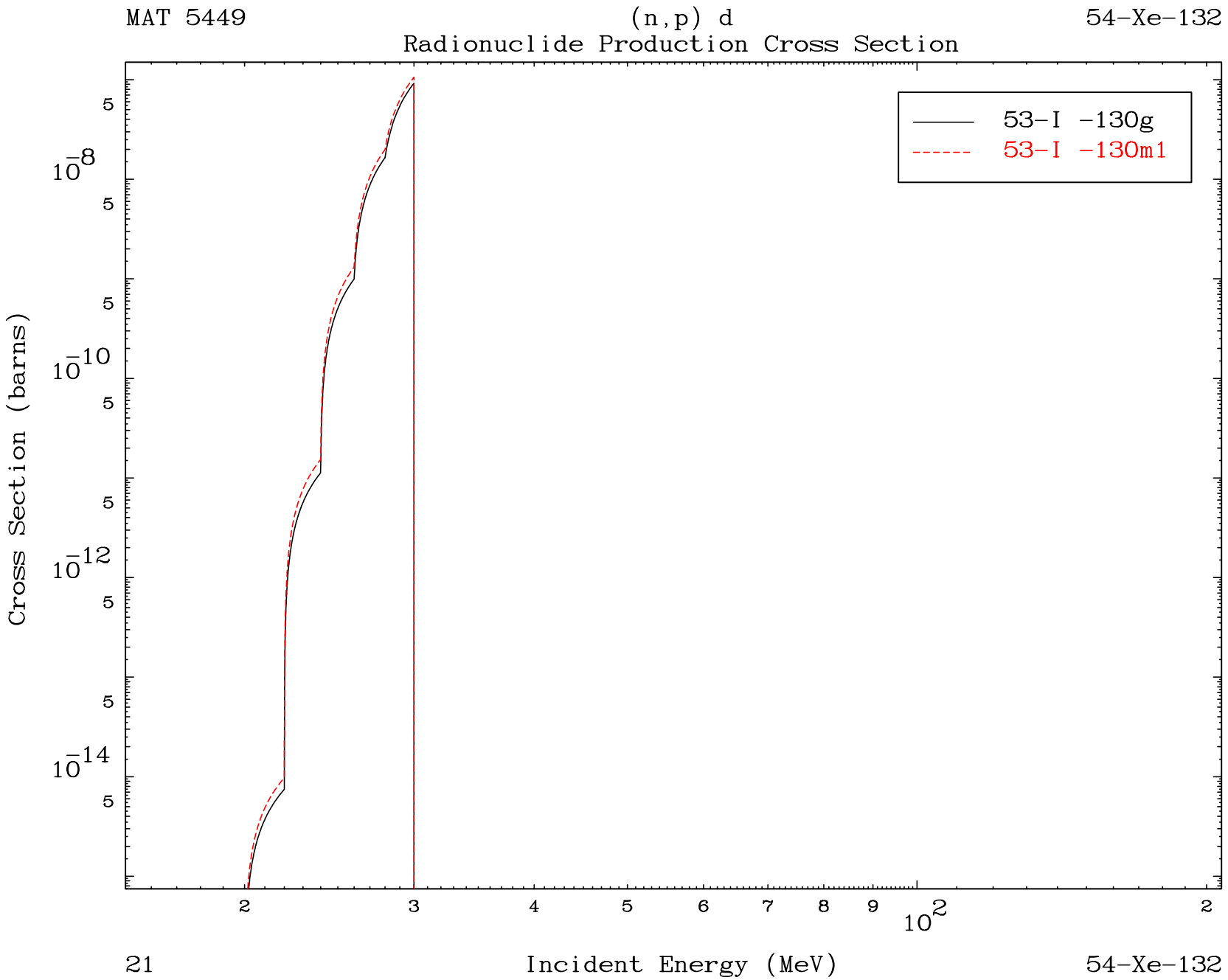

MAT 5449
(n,3n) p
54-Xe-132
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
54-Xe-132

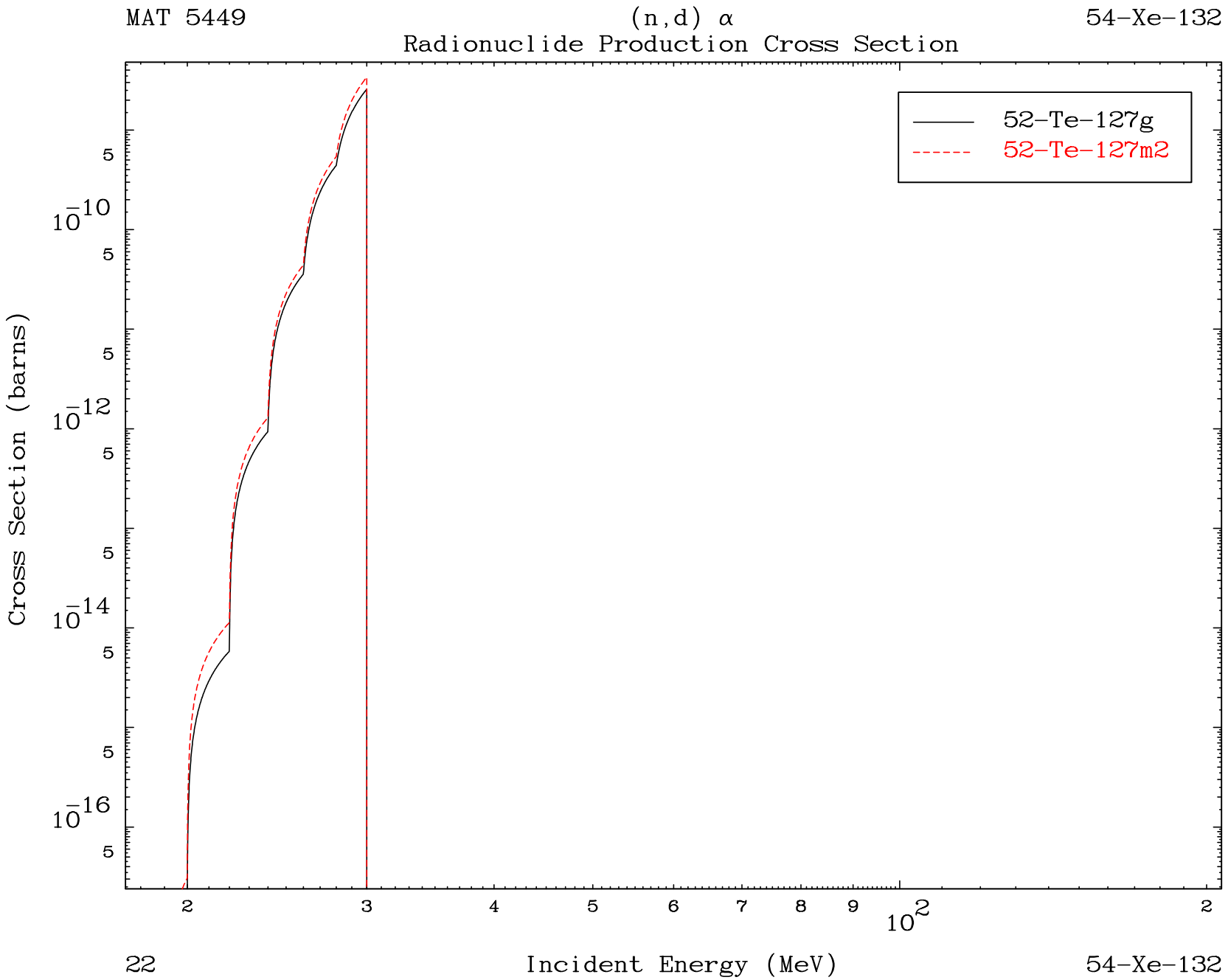

MAT 5449
(n,2n) p
54-Xe-132
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
17
54-Xe-132


MAT 5449
(n,n') p α
54-Xe-132
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,d)
54-Xe-132
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
19
54-Xe-132


MAT 5449
(n,He-3)
54-Xe-132
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
20
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,p) d
54-Xe-132
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
21
Incident Energy (MeV)
54-Xe-132


MAT 5449
(n,d) α
54-Xe-132
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
54-Xe-132