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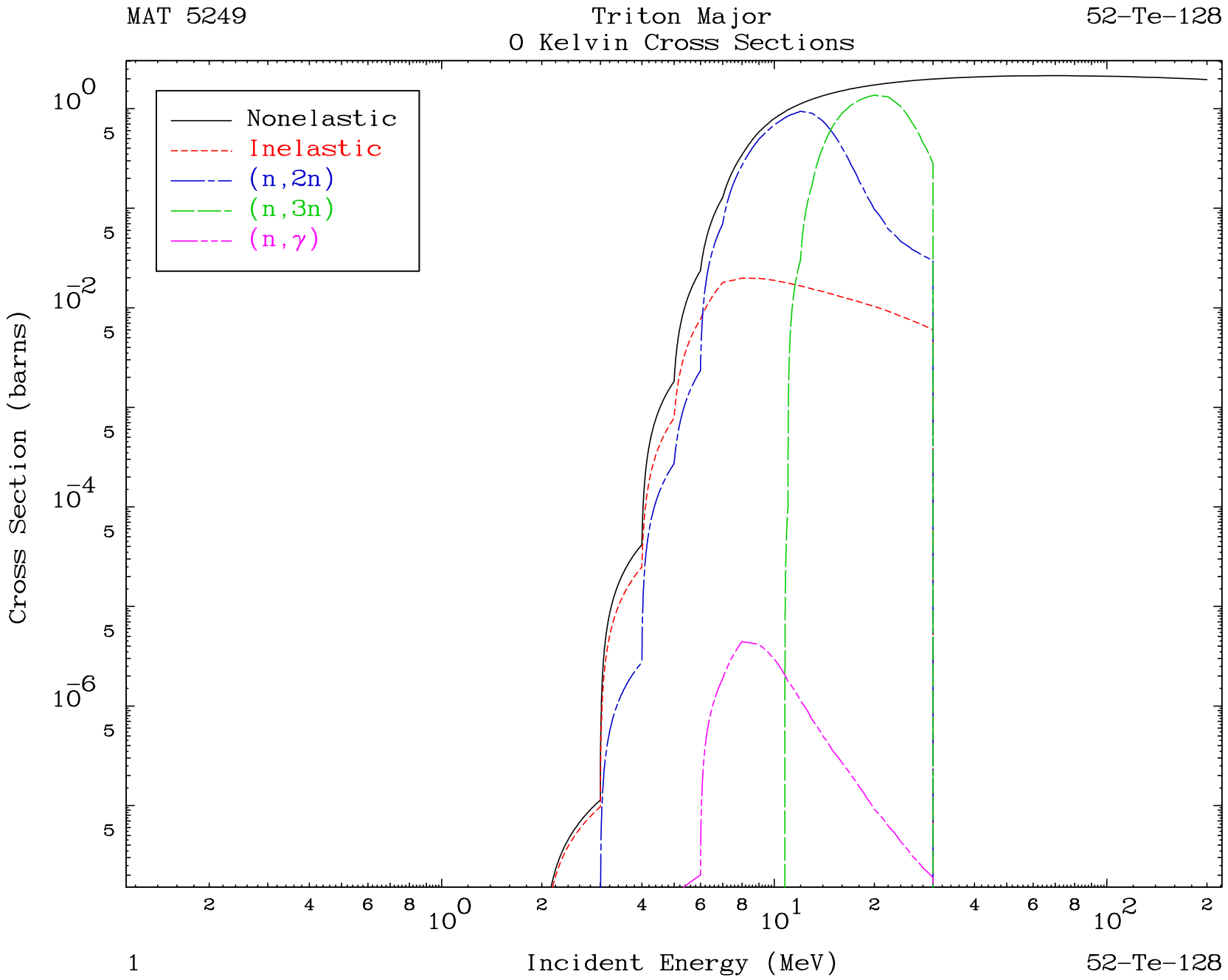
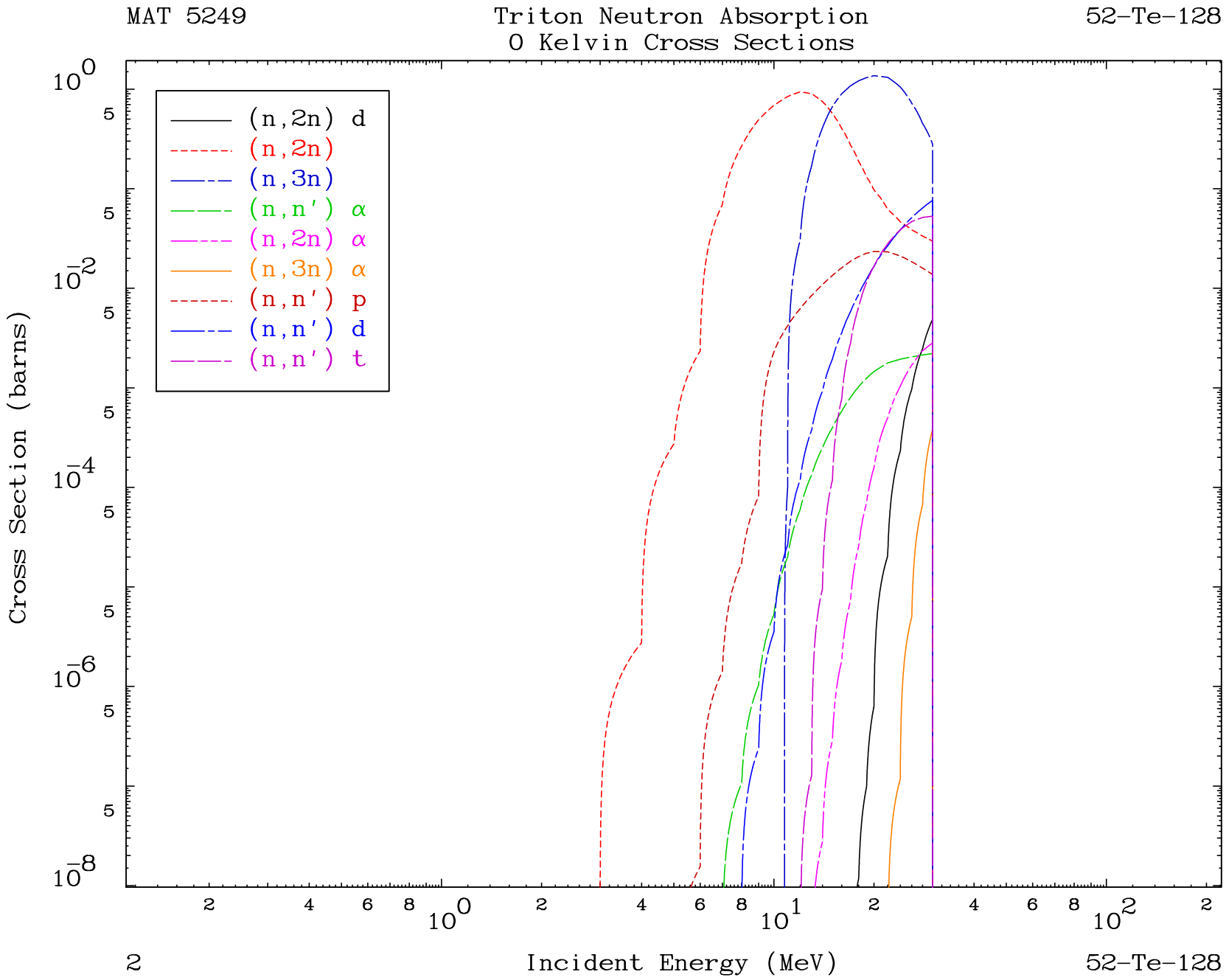
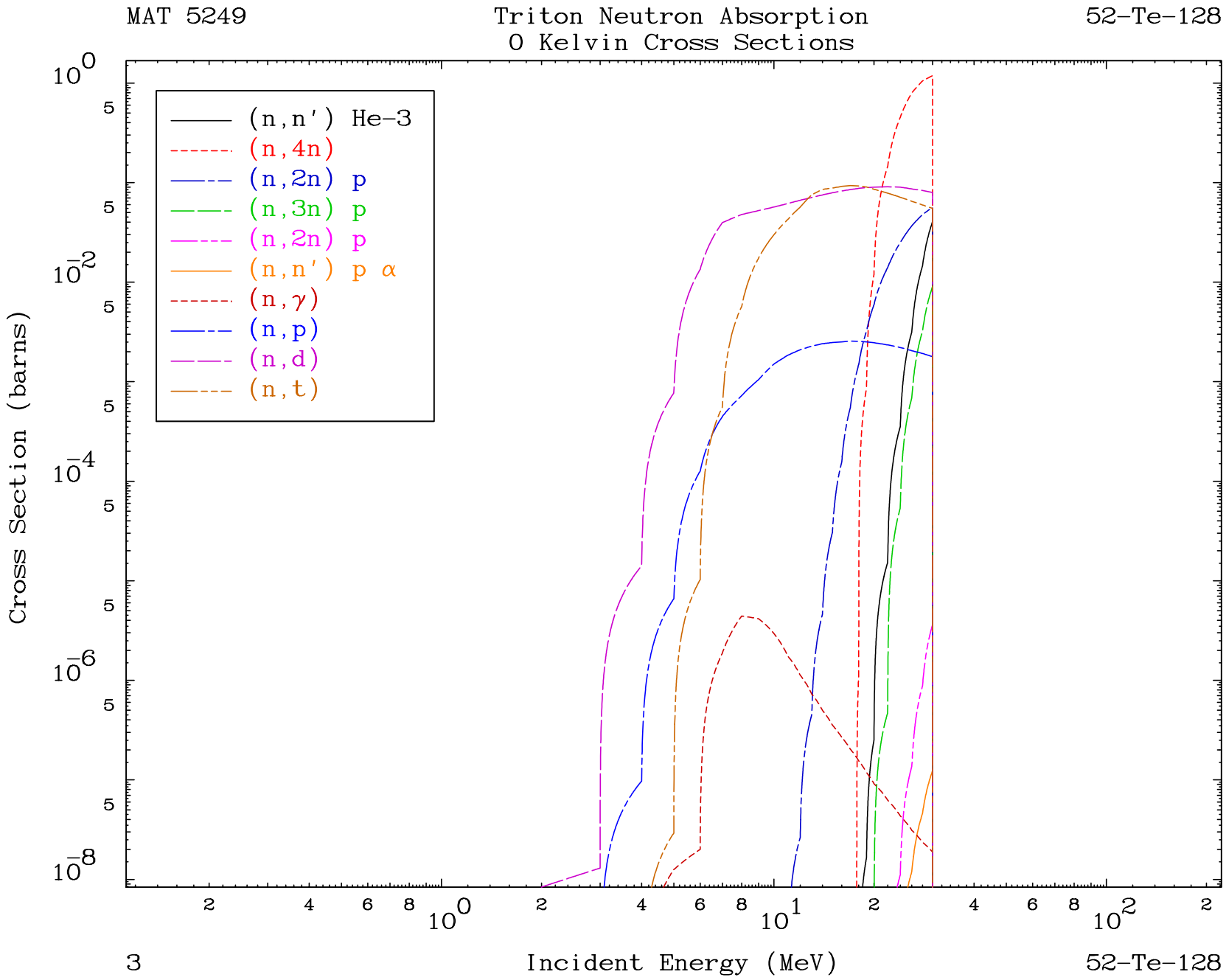
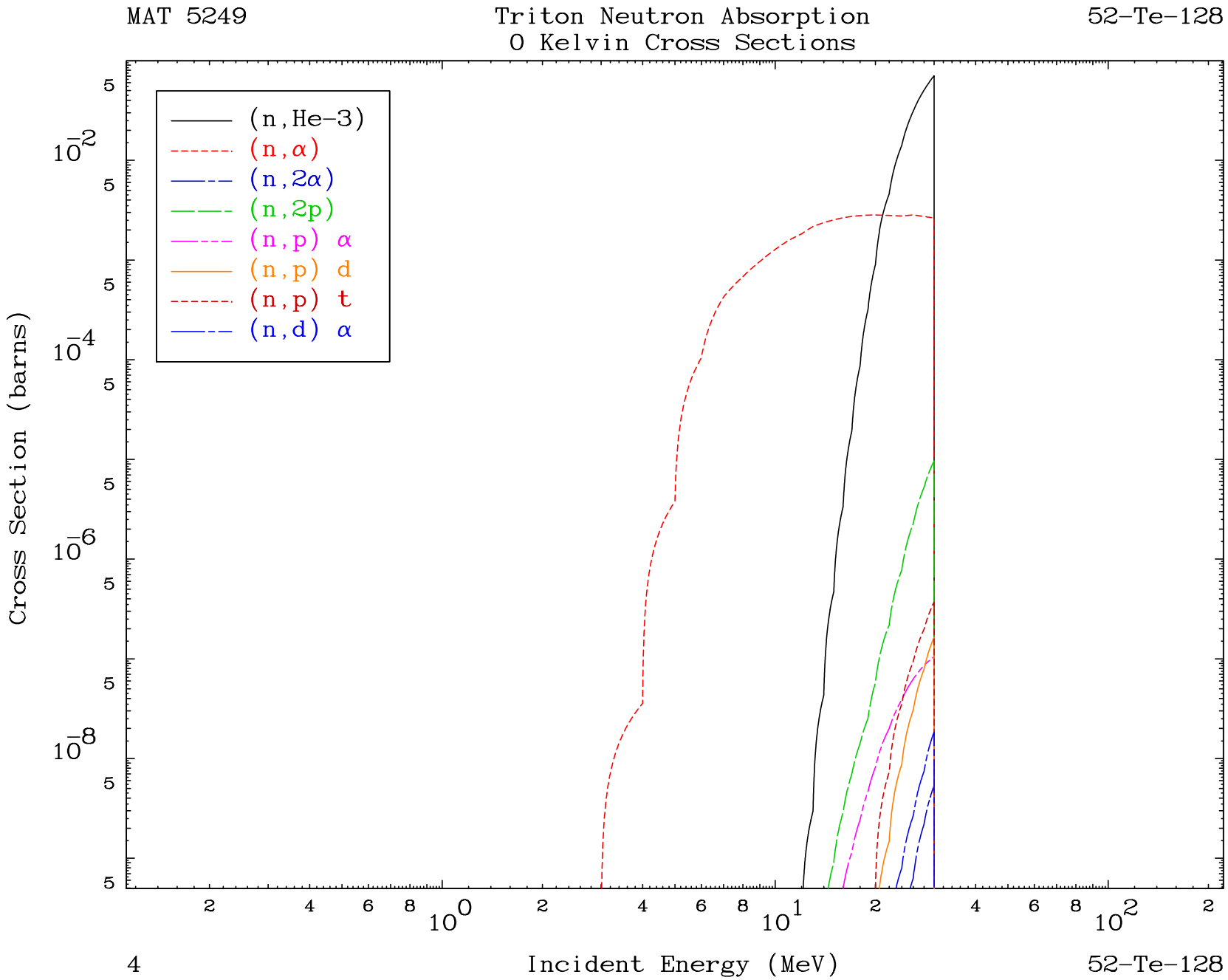
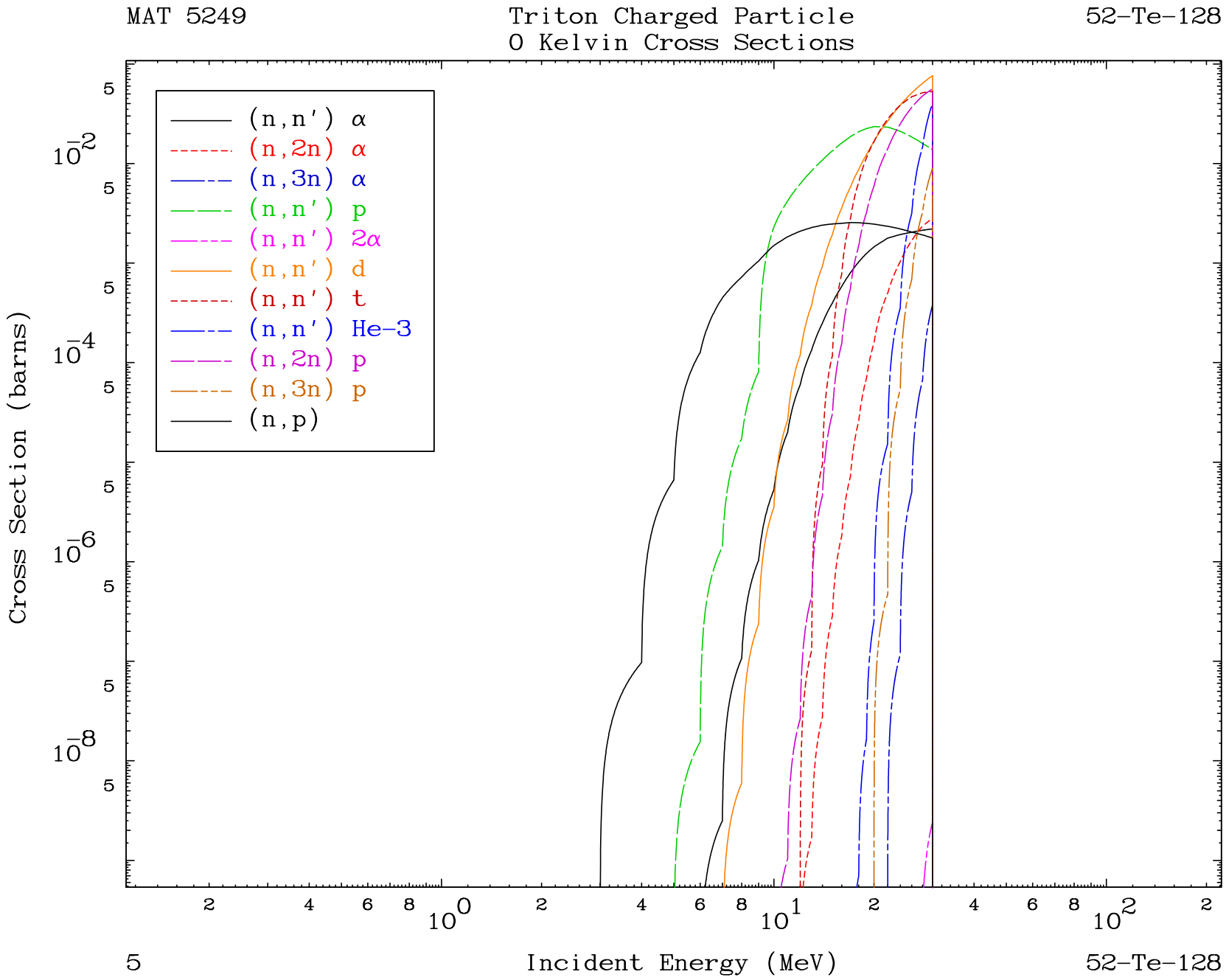
Press Mouse Button to Start

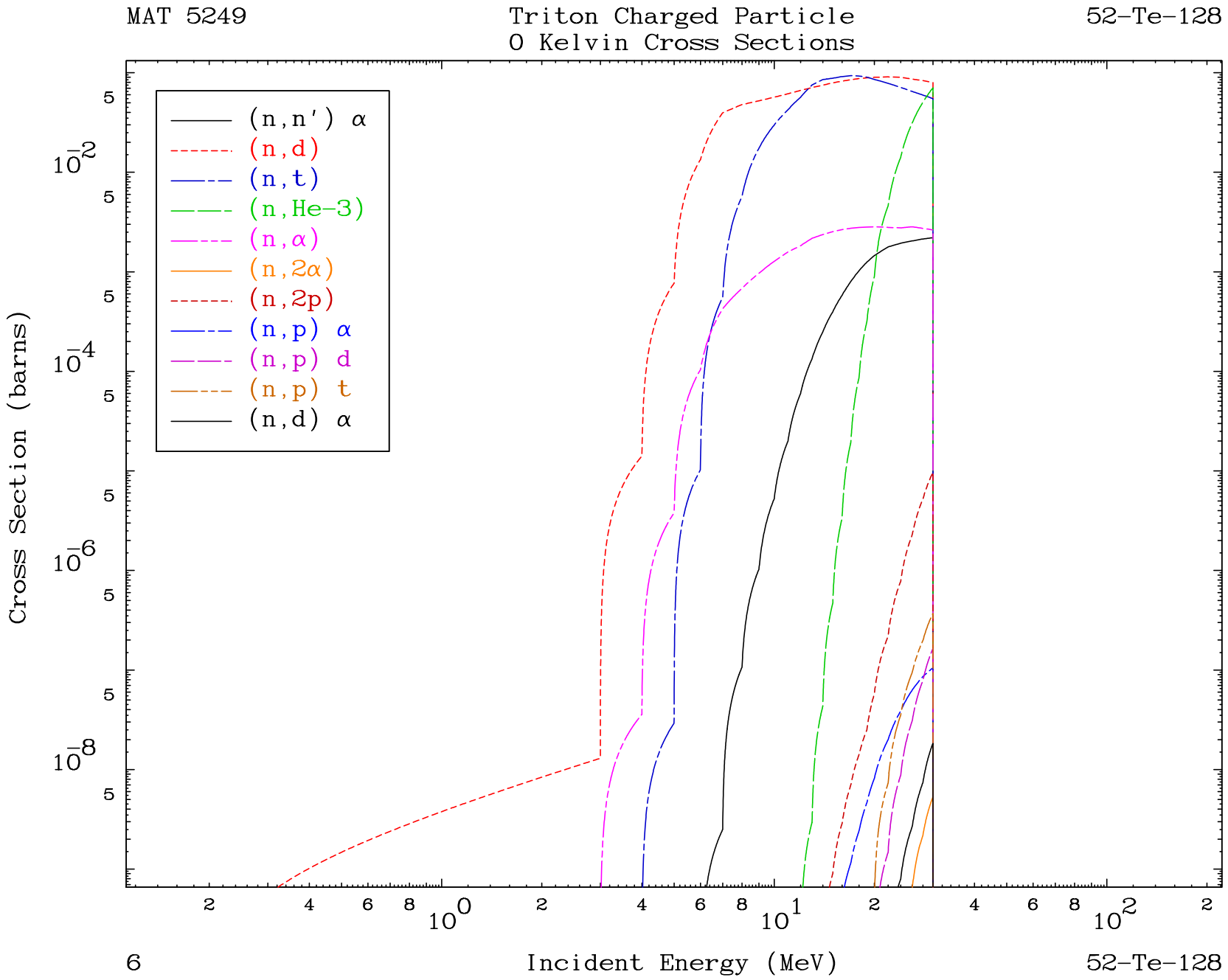

MAT 5249
Triton Major
52-Te-128
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-128

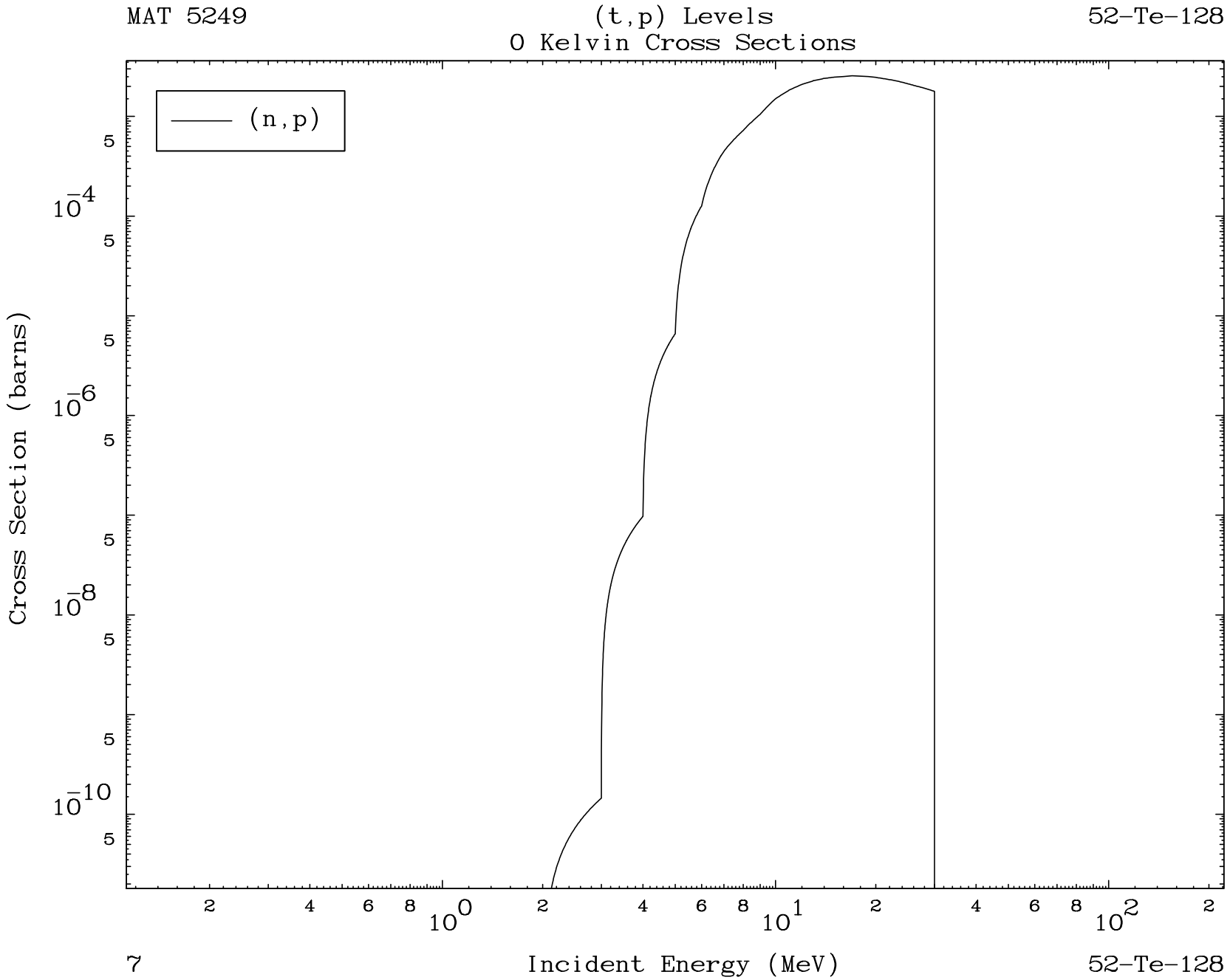

MAT 5249
Triton Neutron Absorption
0 Kelvin Cross Sections
52-Te-128
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
52-Te-128

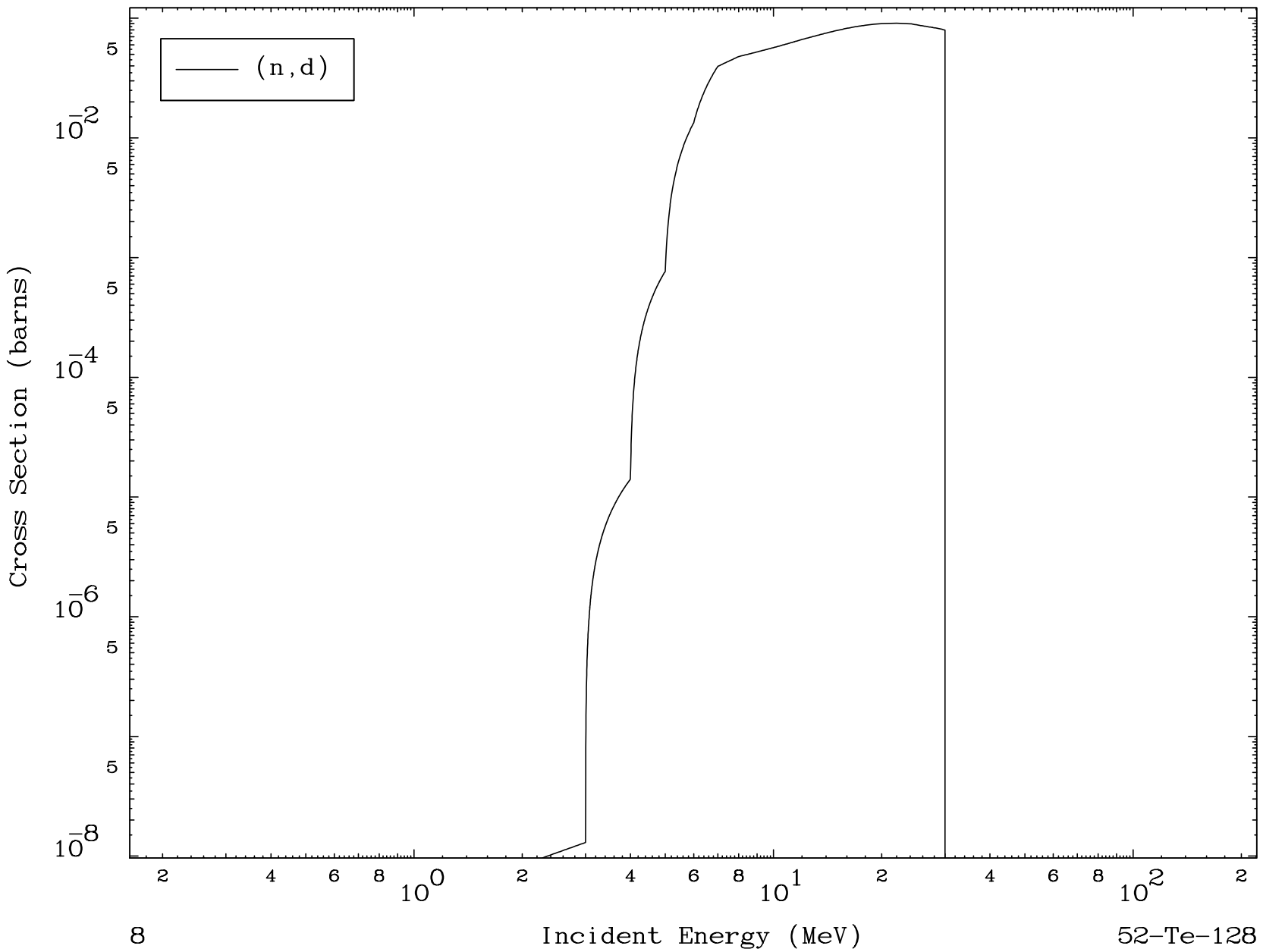

MAT 5249
Triton Neutron Absorption
0 Kelvin Cross Sections
52-Te-128
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-128

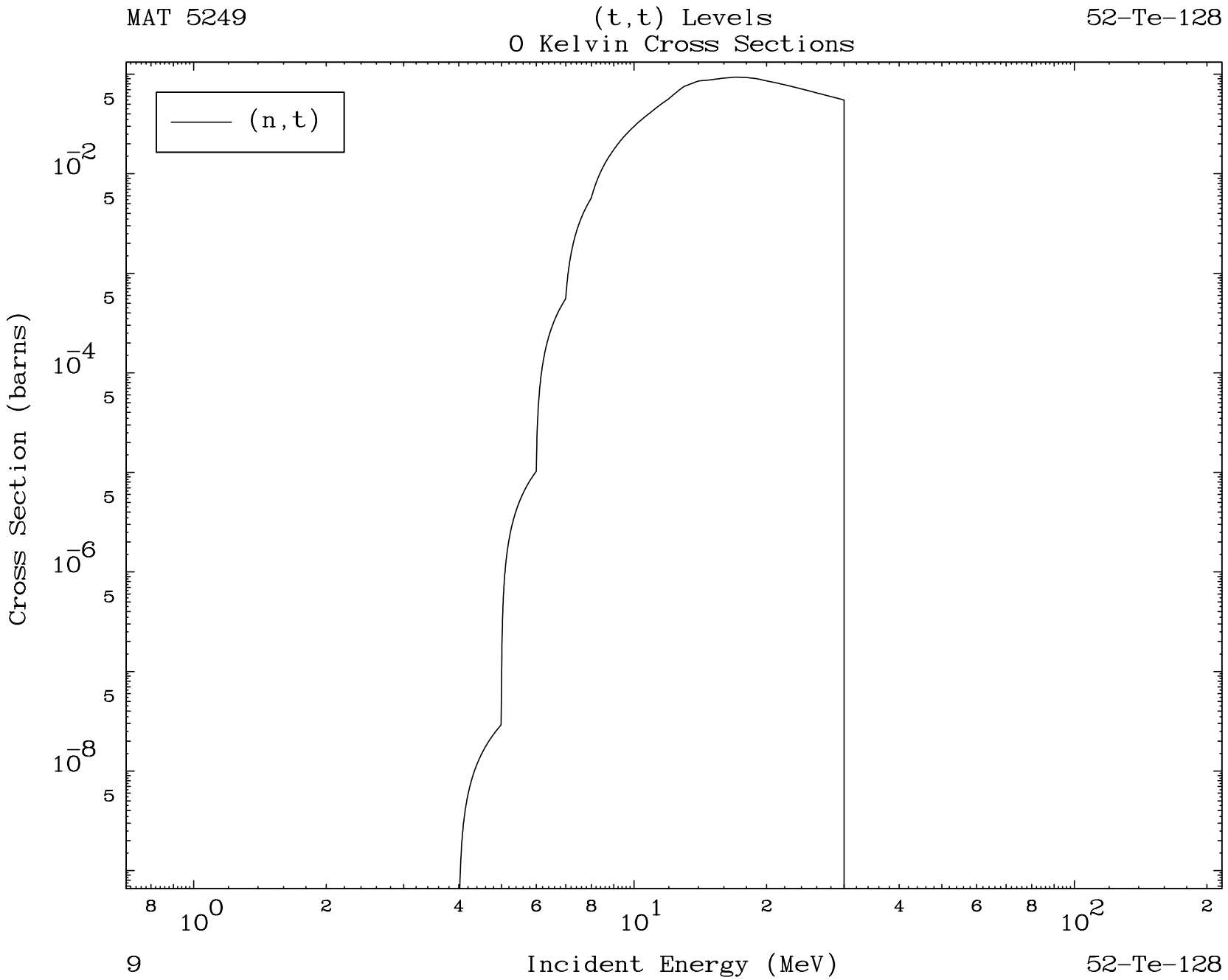

MAT 5249
Triton Neutron Absorption
0 Kelvin Cross Sections
52-Te-128
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-128

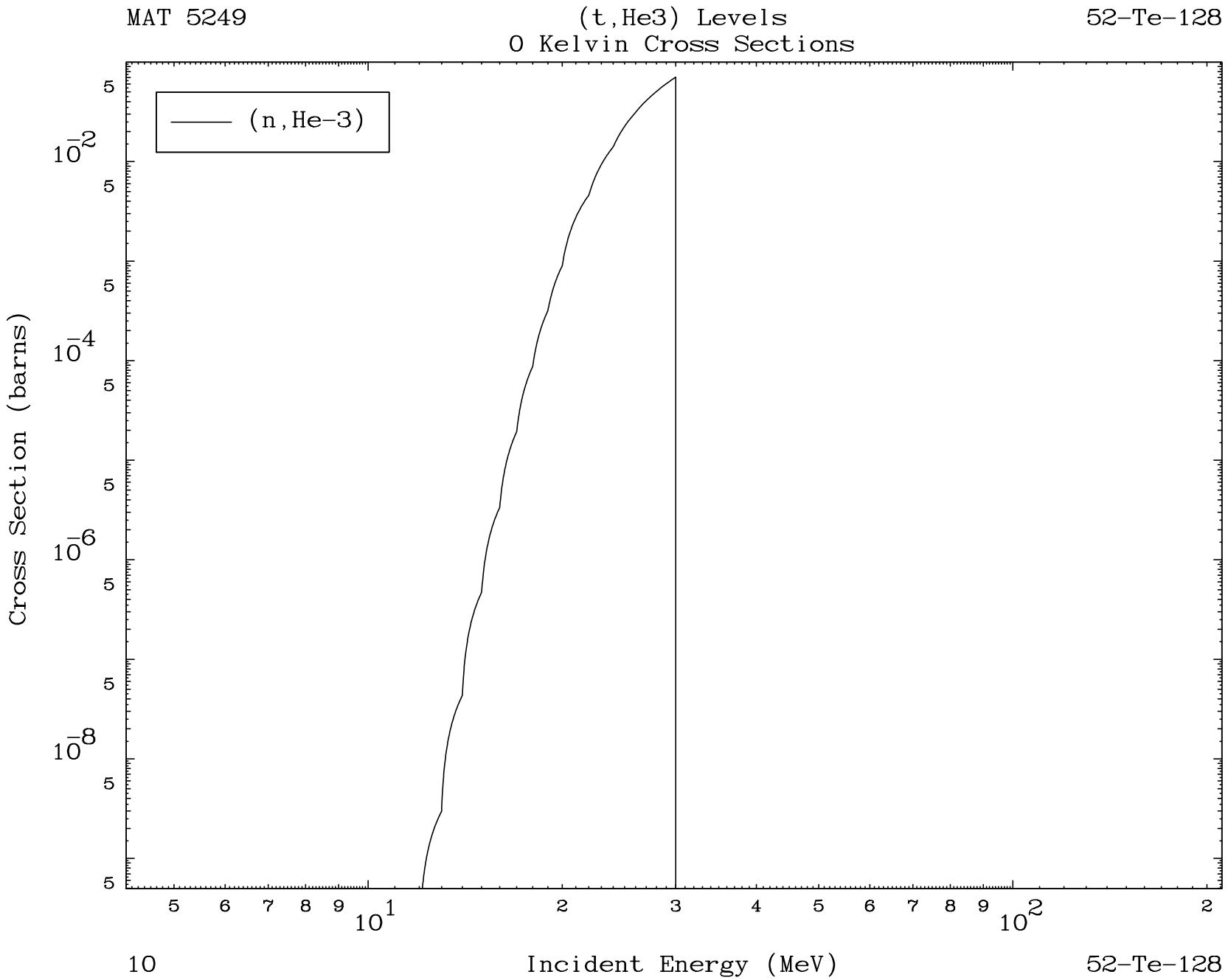

MAT 5249
Triton Charged Particle
0 Kelvin Cross Sections
52-Te-128
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
52-Te-128

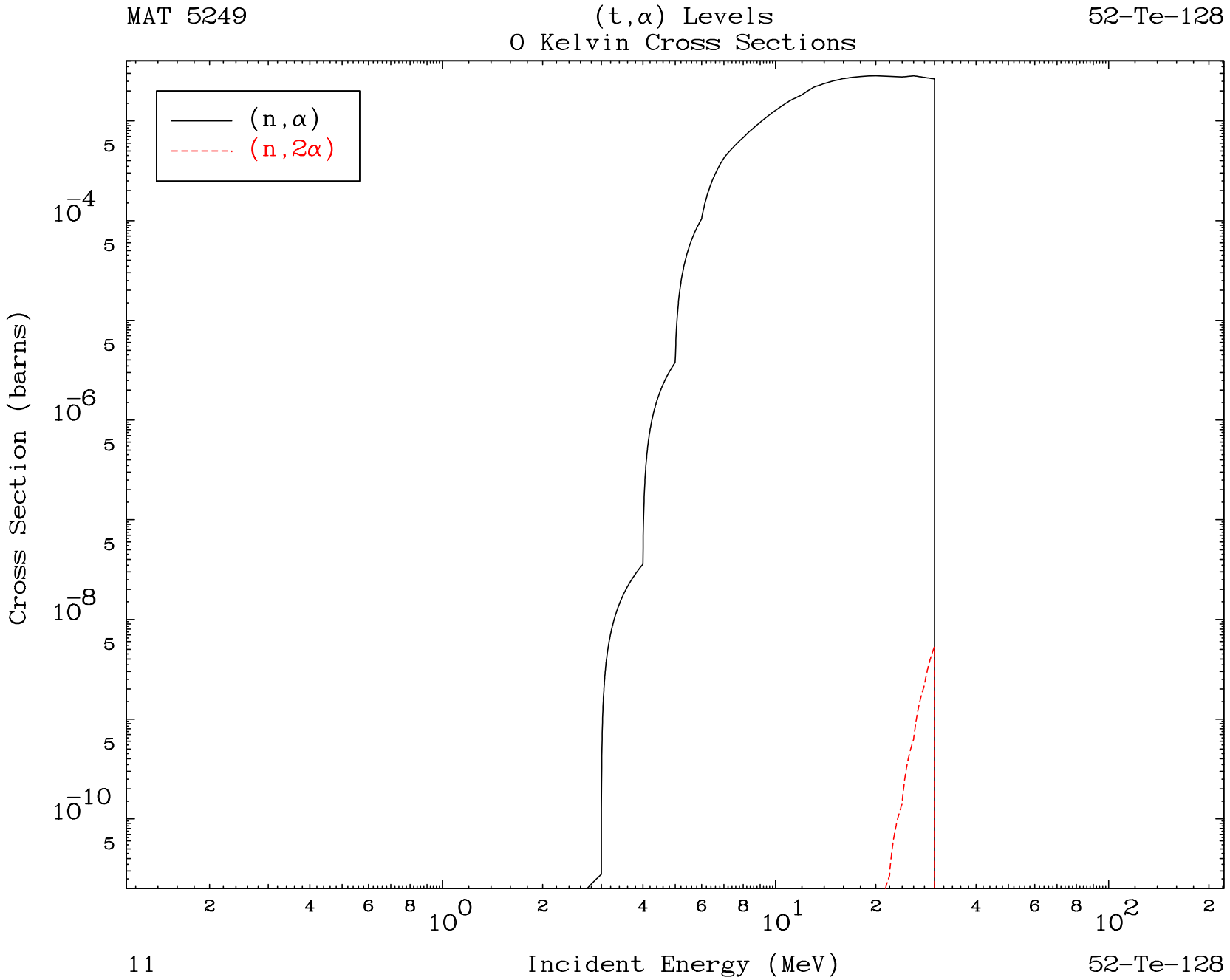

MAT 5249
Triton Charged Particle
0 Kelvin Cross Sections
52-Te-128
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
52-Te-128

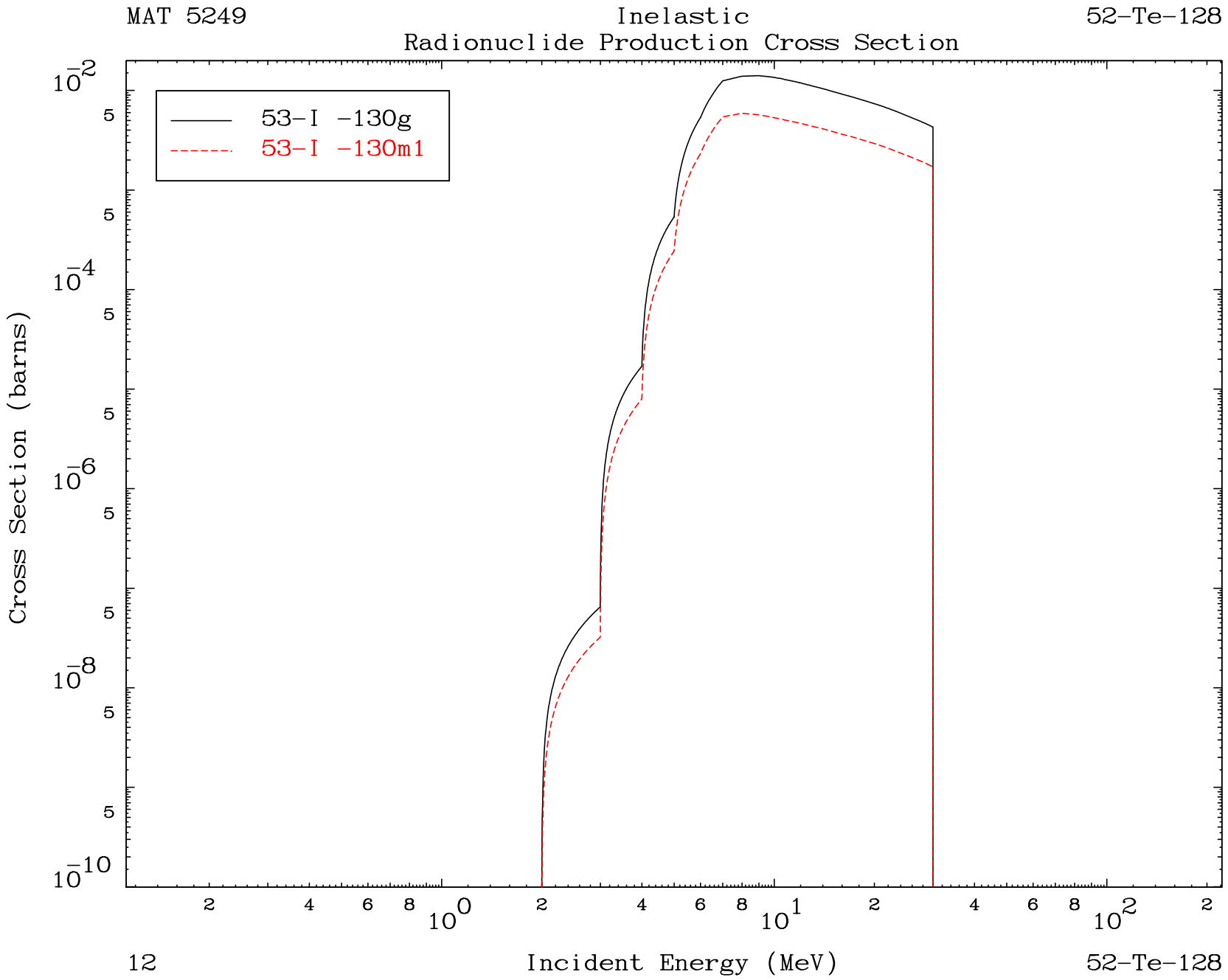

MAT 5249
(t,p) Levels
52-Te-128
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
52-Te-128

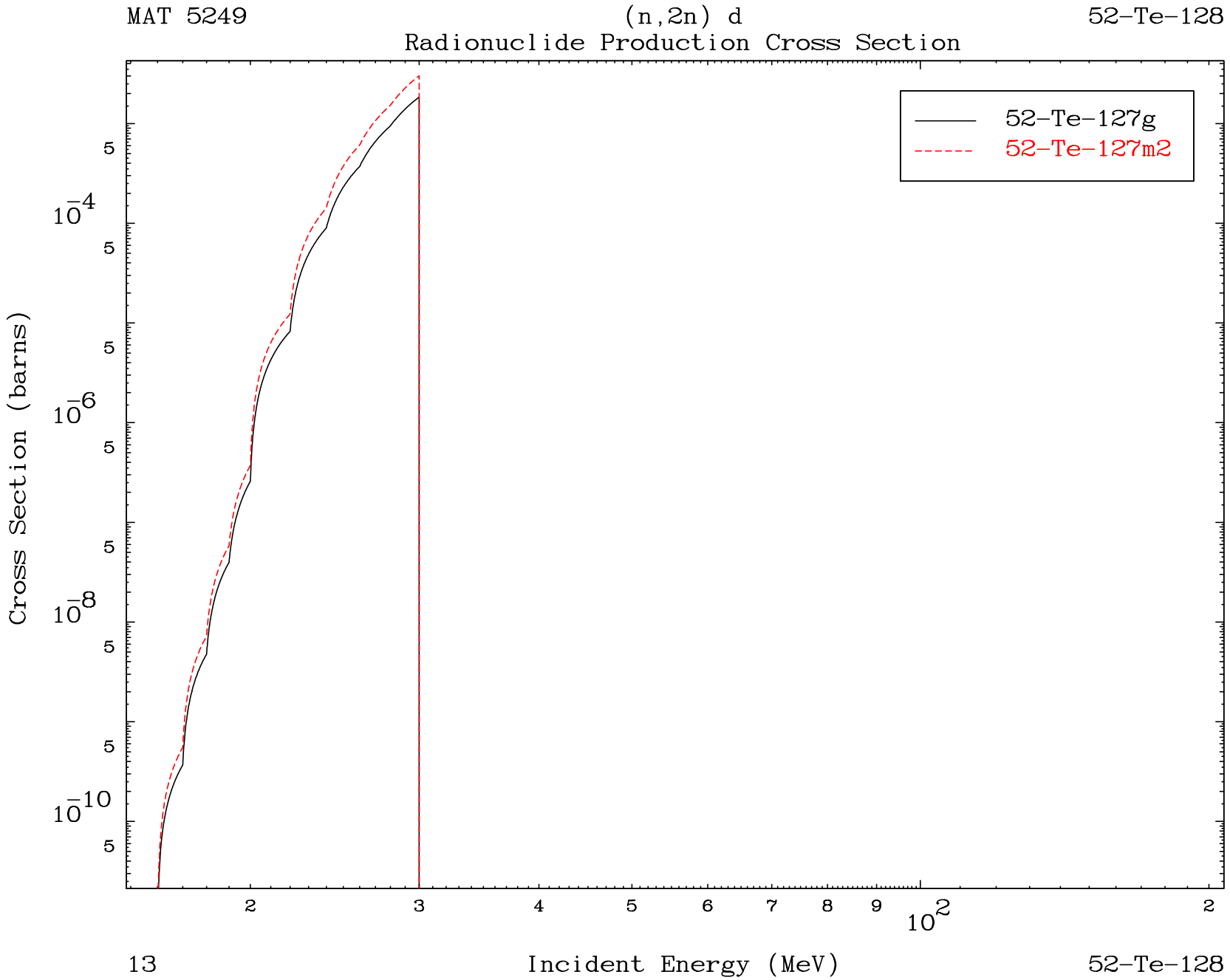

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)

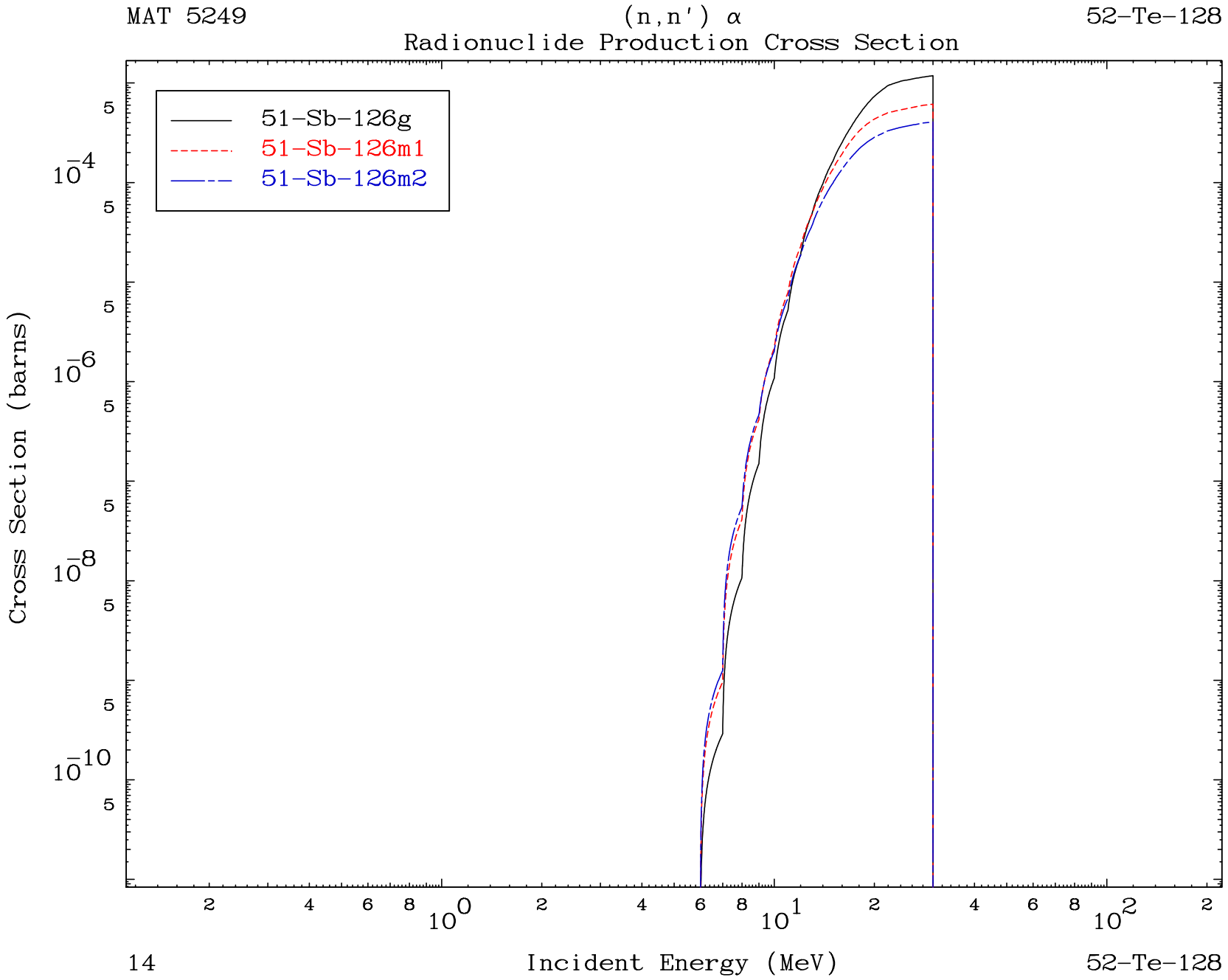

MAT 5249
(t,t) Levels
52-Te-128
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
52-Te-128

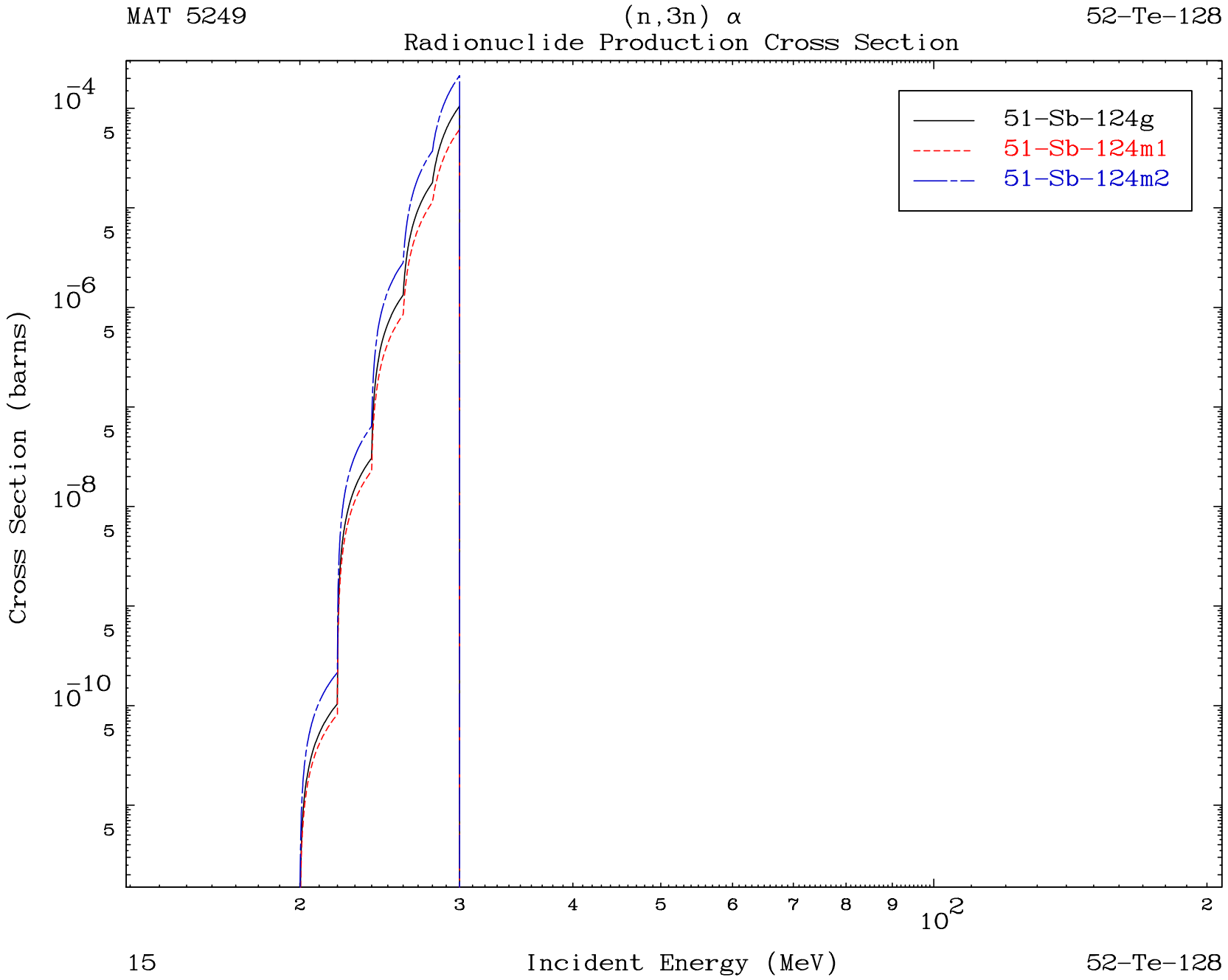

MAT 5249
(t,He3) Levels
52-Te-128
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
52-Te-128

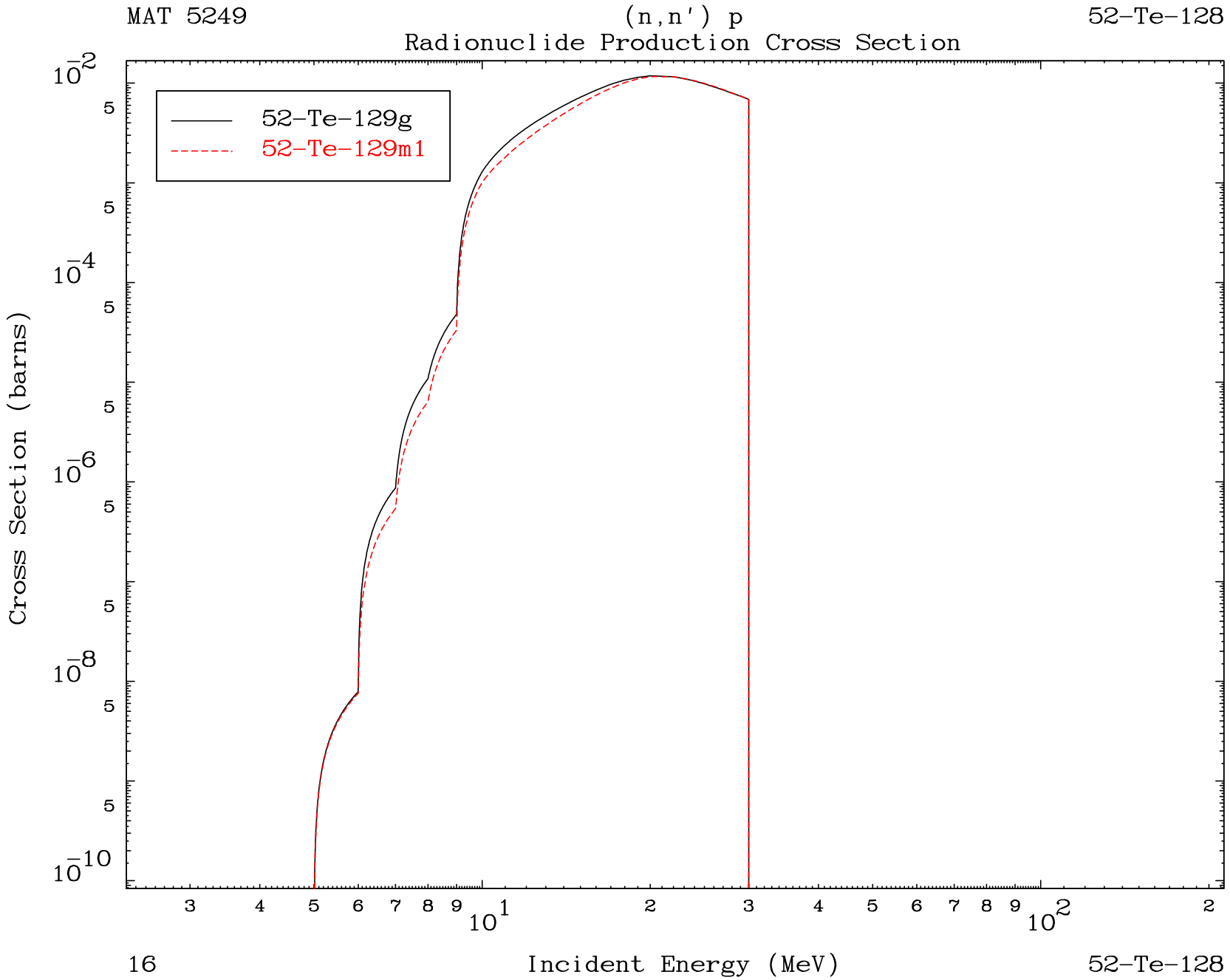

MAT 5249
(t,α) Levels
52-Te-128
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
52-Te-128

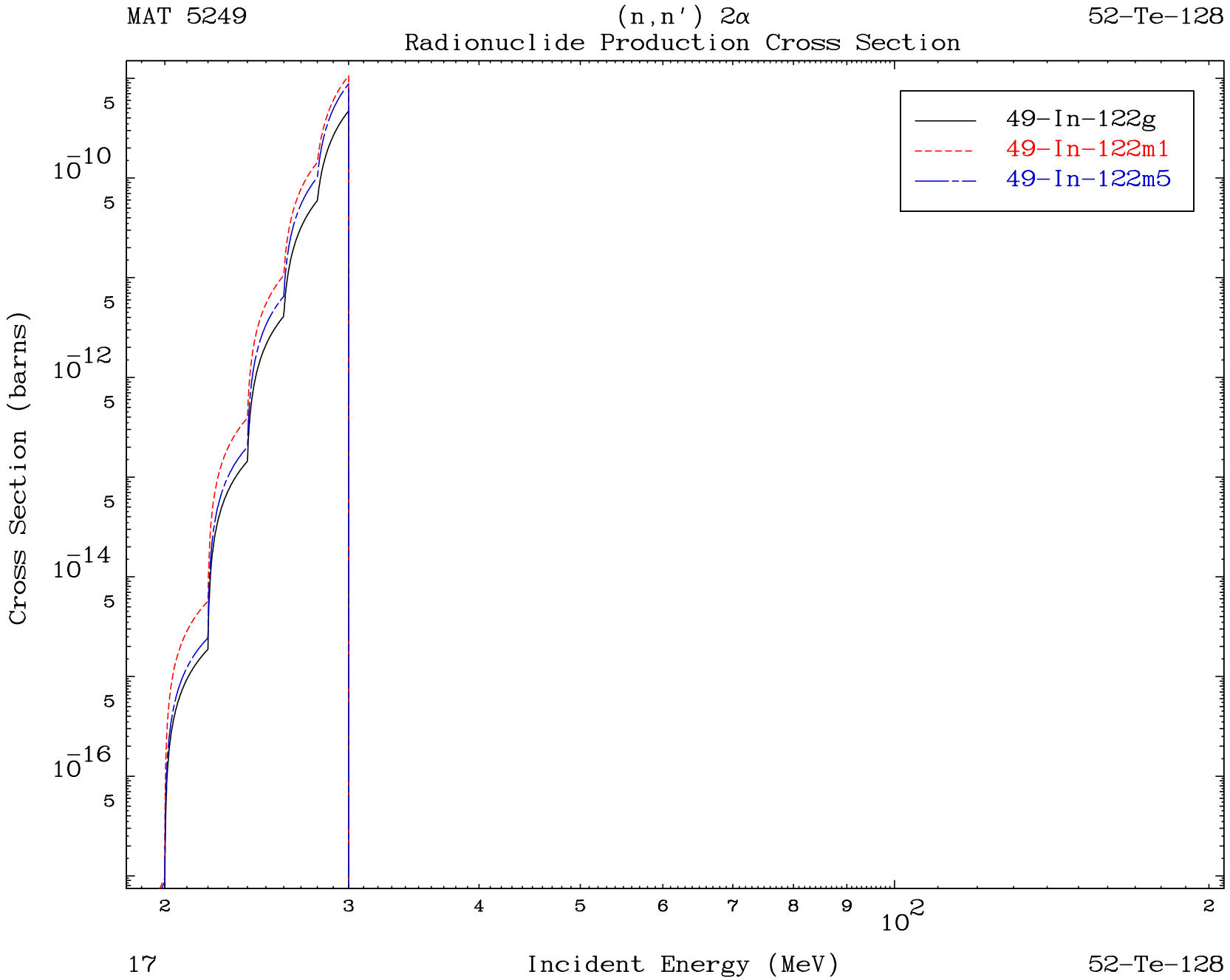

MAT 5249
Inelastic
52-Te-128
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
12
52-Te-128

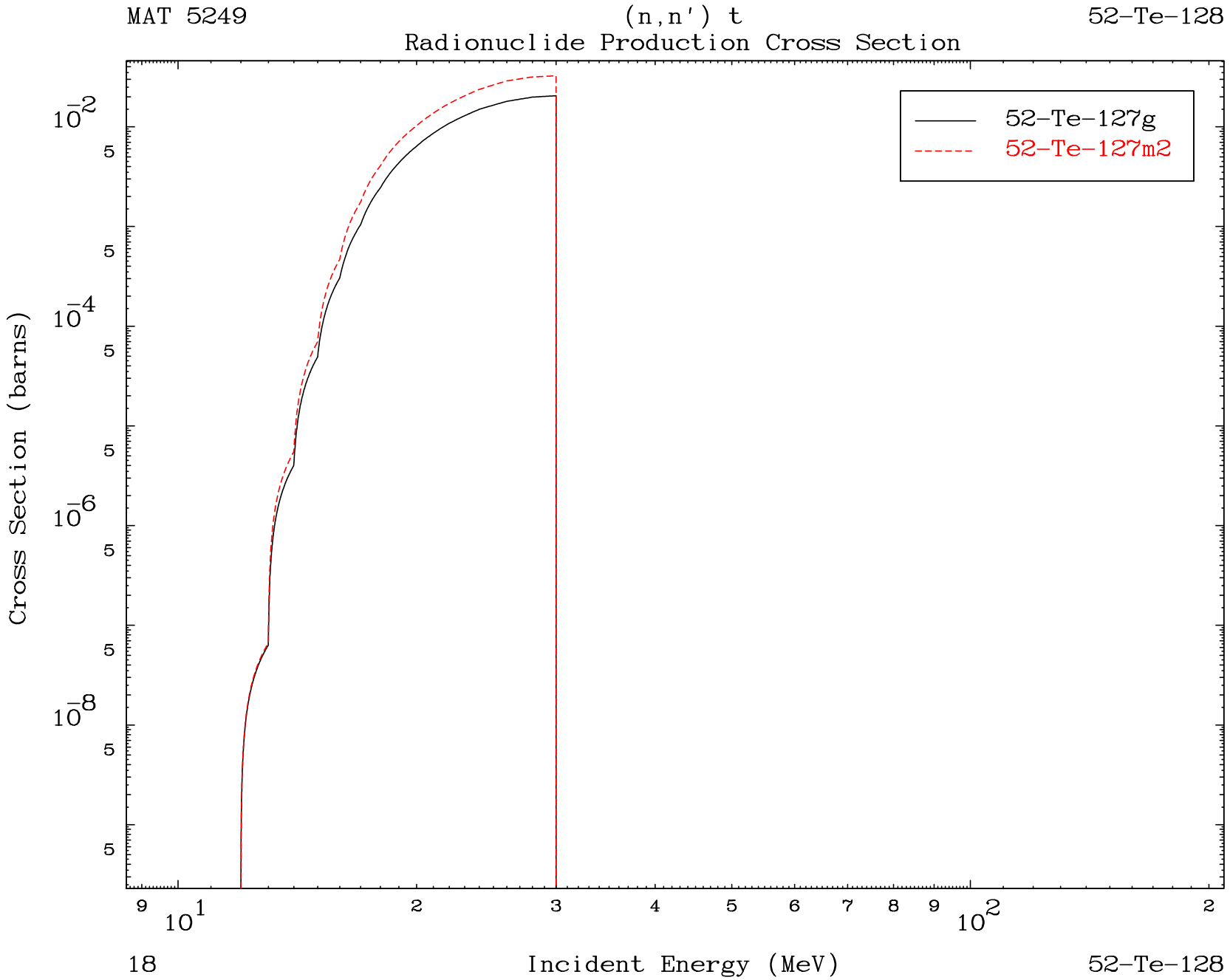

MAT 5249
(n,2n) d
52-Te-128
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
13
Incident Energy (MeV)
52-Te-128

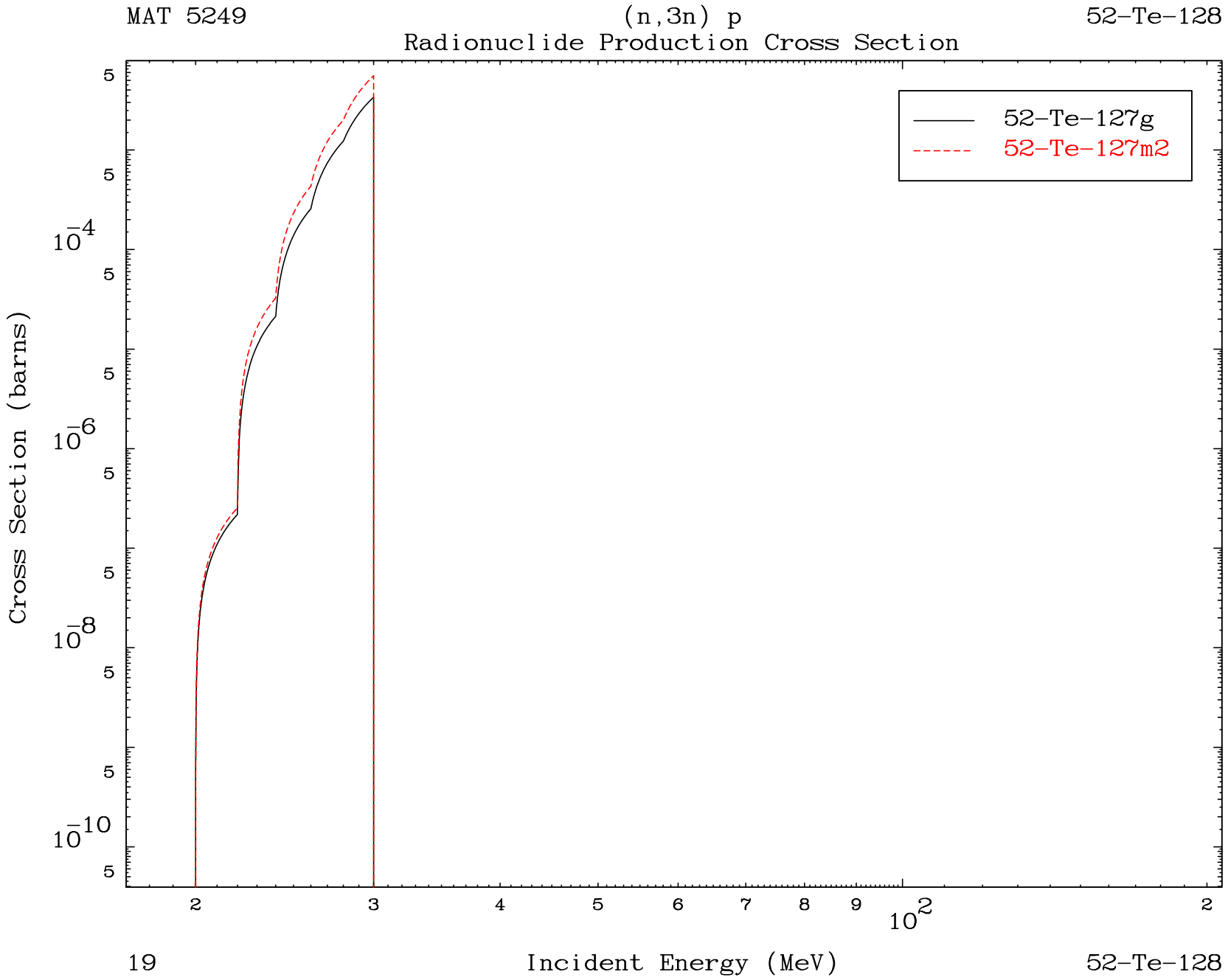

MAT 5249
(n,n') α
52-Te-128
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
14
52-Te-128

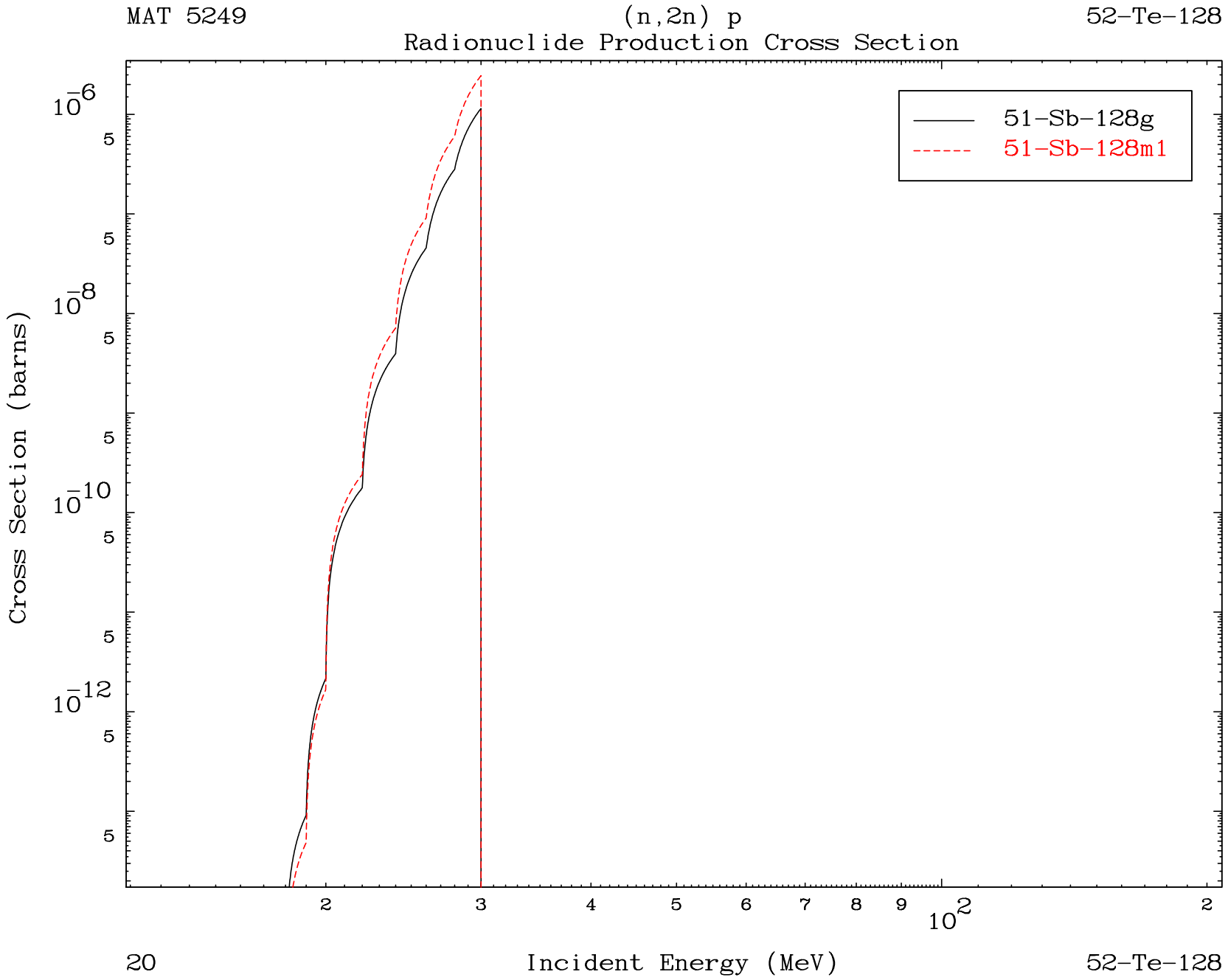

MAT 5249
(n,3n) α
52-Te-128
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
52-Te-128

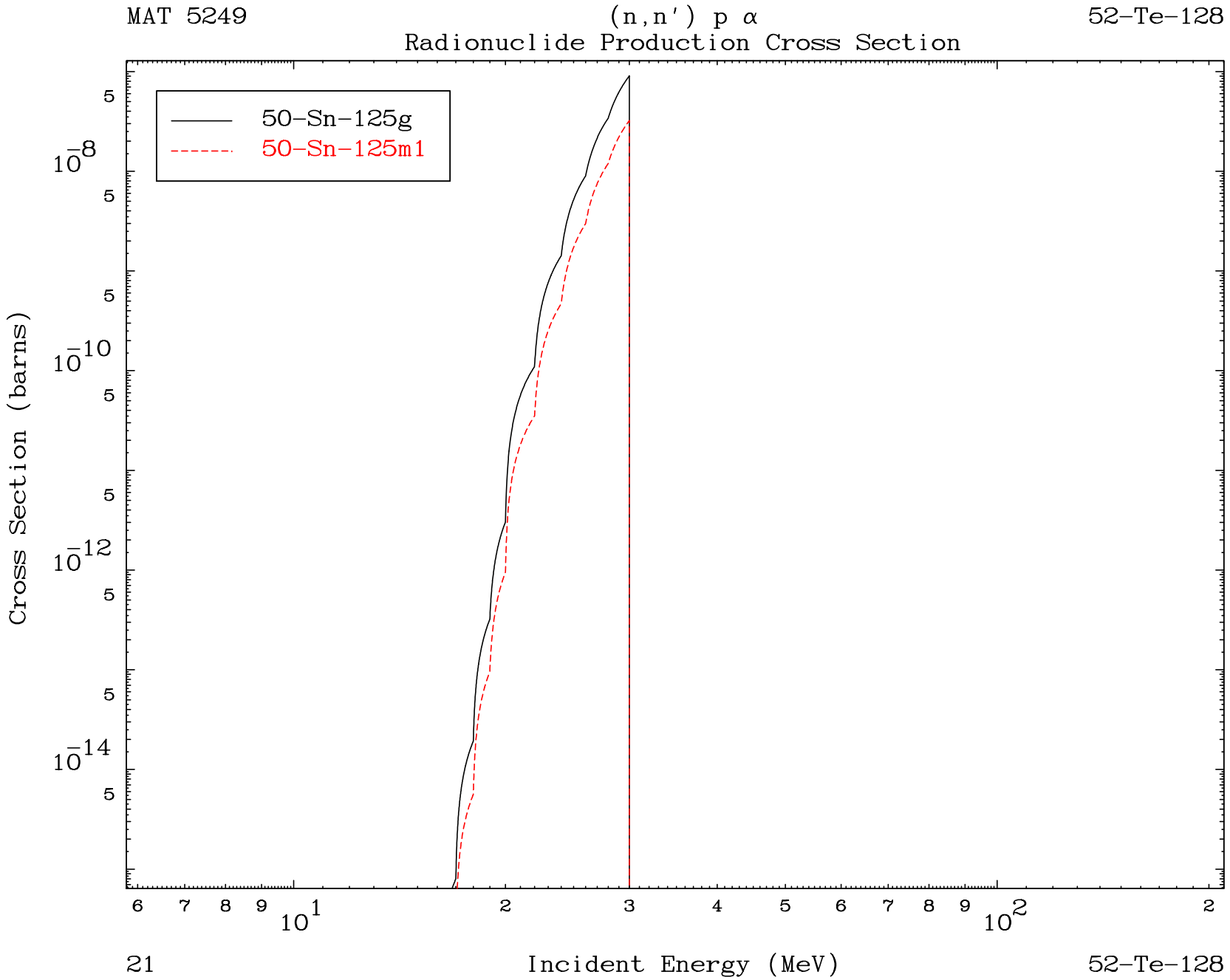

MAT 5249
(n,n') p
52-Te-128
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-128

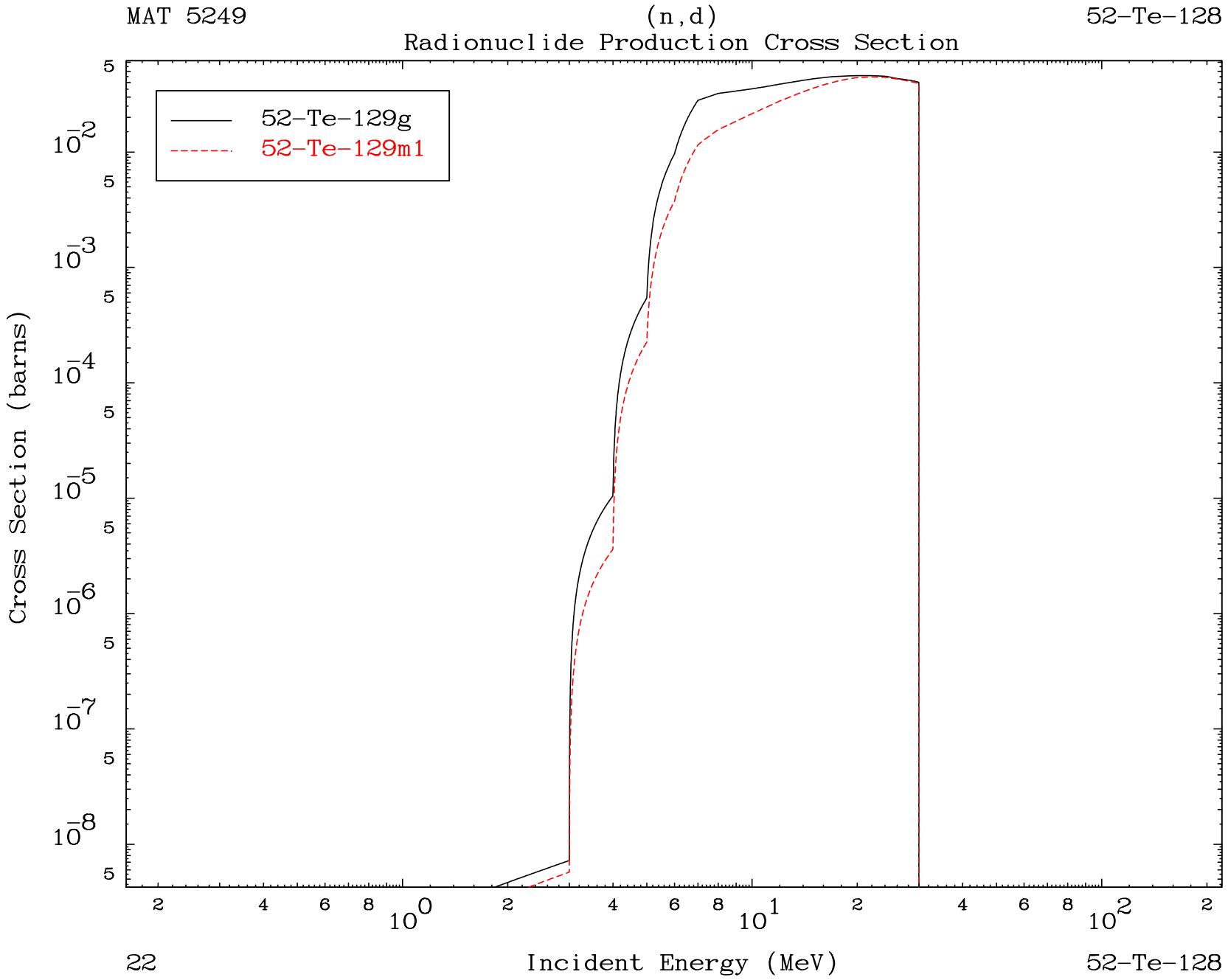

MAT 5249
(n,n') 2α
52-Te-128
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
52-Te-128


MAT 5249
(n,n') t
52-Te-128
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
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
Incident Energy (MeV)
18
52-Te-128

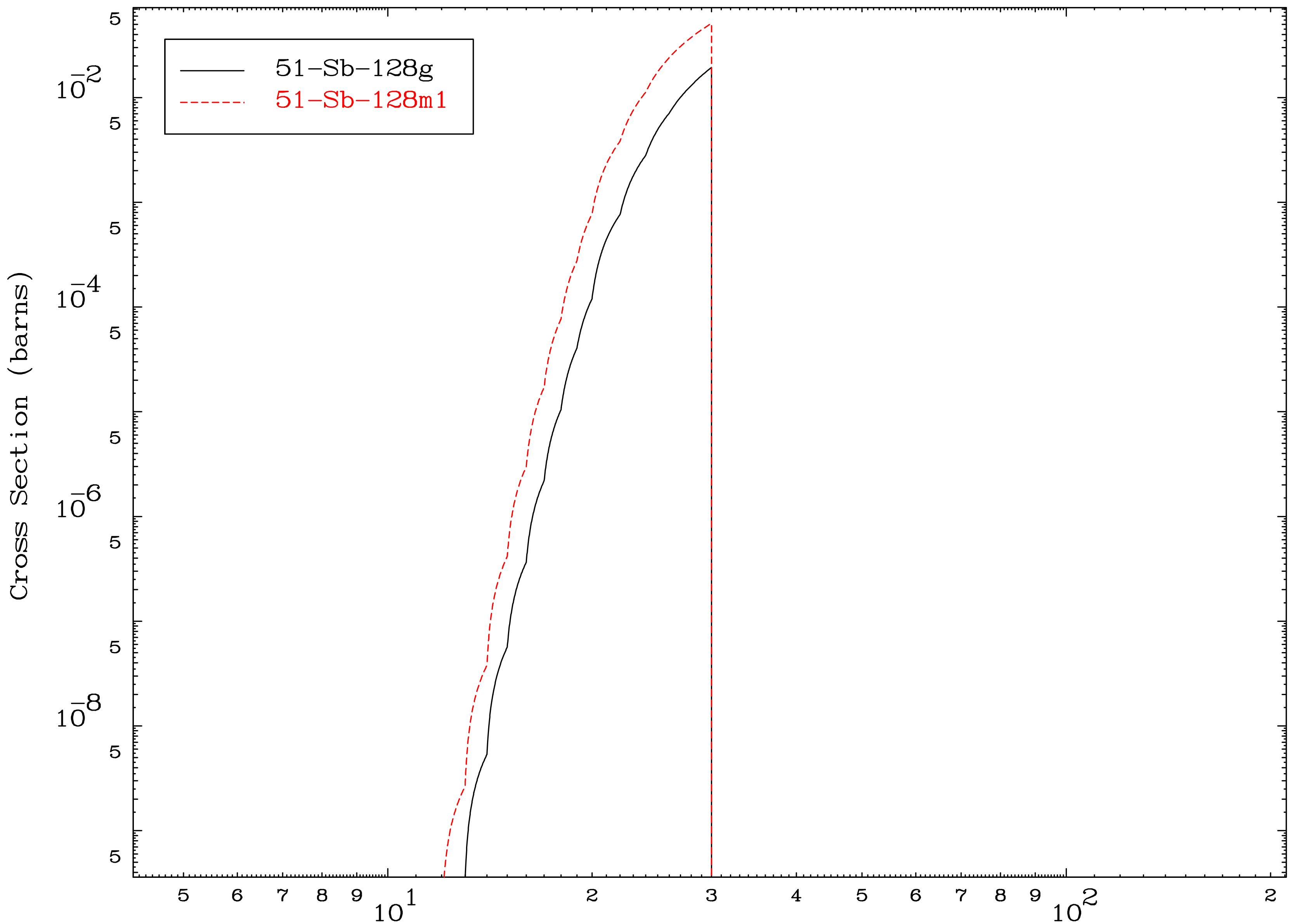

MAT 5249
(n,3n) p
52-Te-128
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
19
52-Te-128

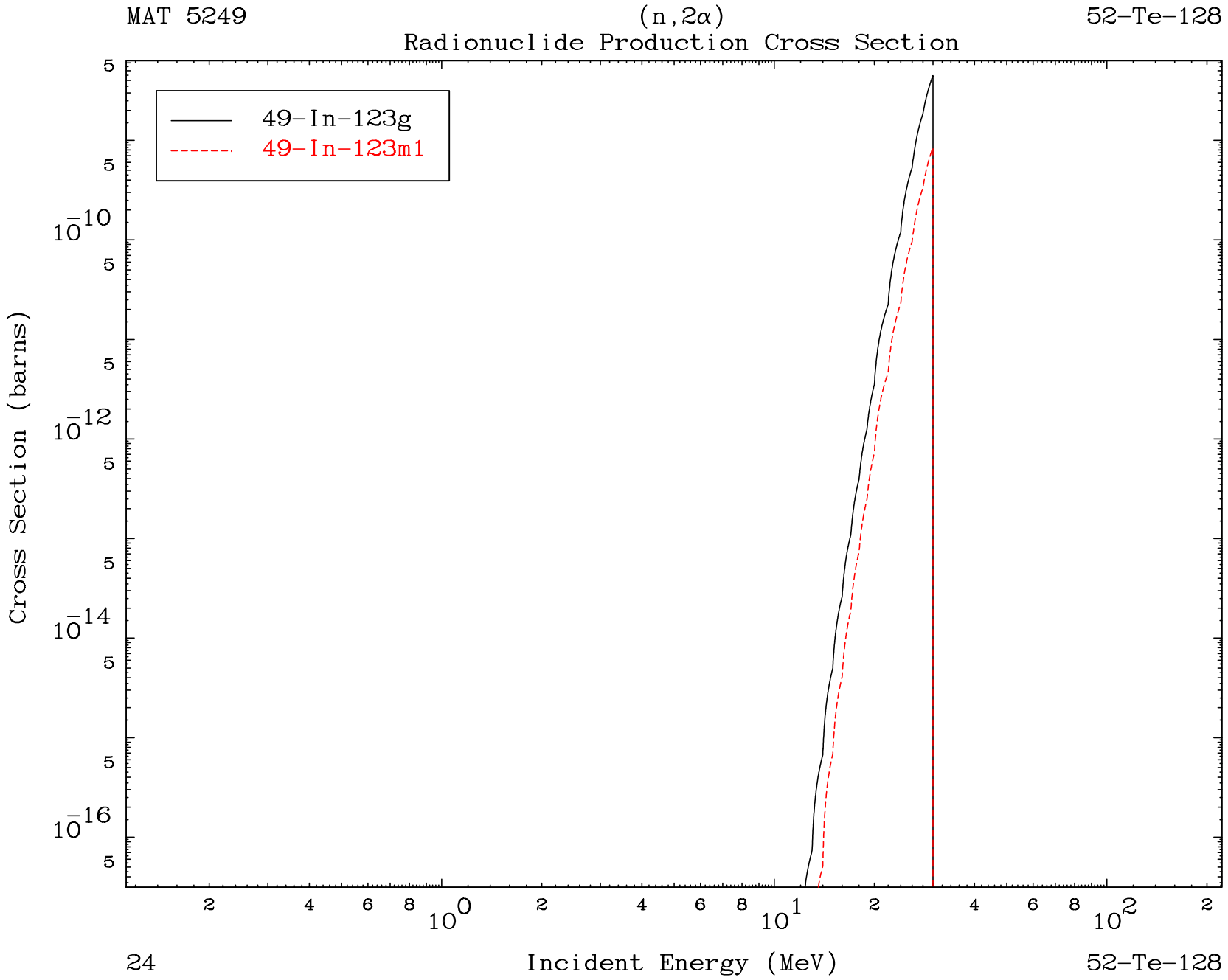

MAT 5249
(n,2n) p
52-Te-128
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
52-Te-128

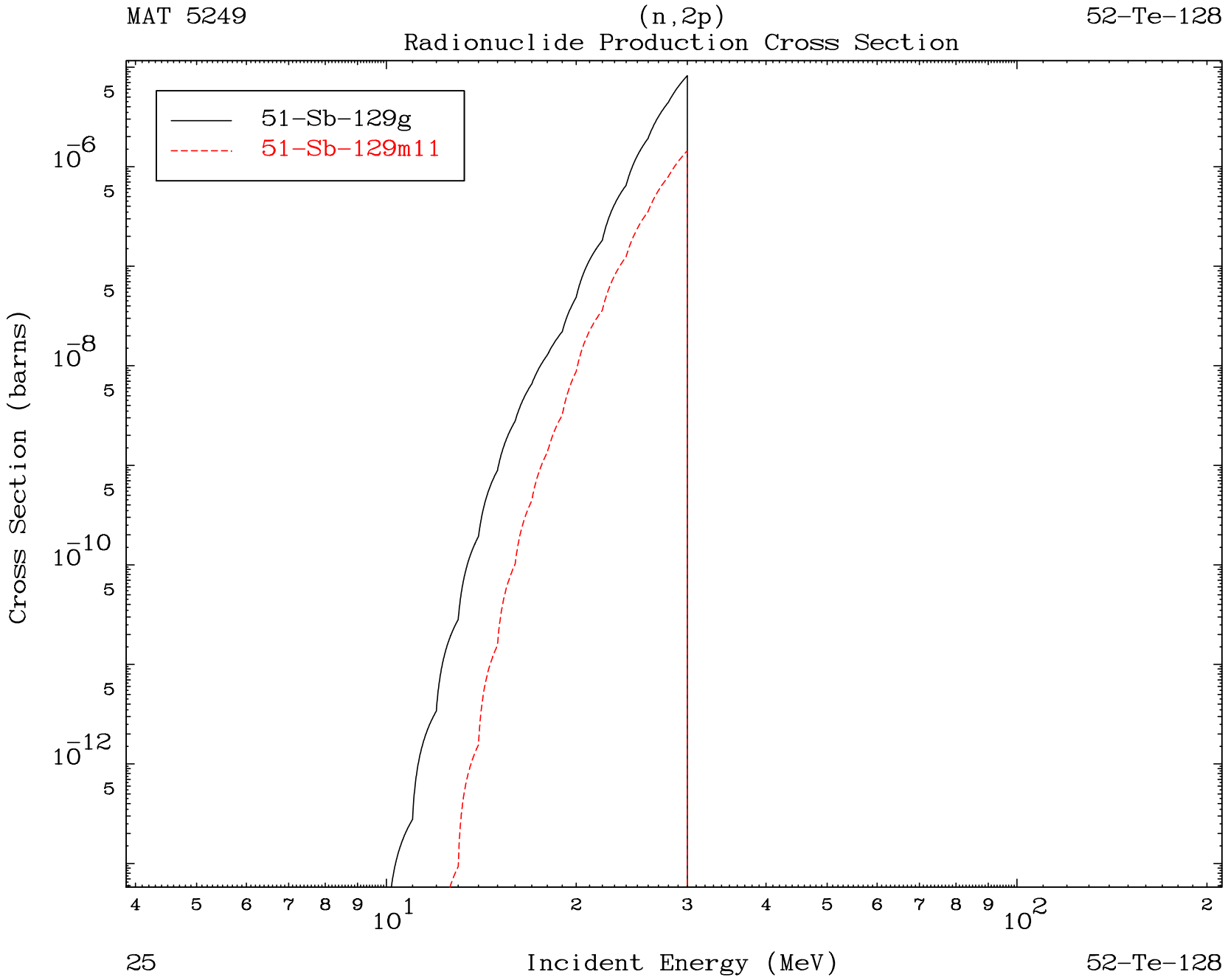

MAT 5249
(n,n') p α
52-Te-128
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
21
Incident Energy (MeV)
52-Te-128

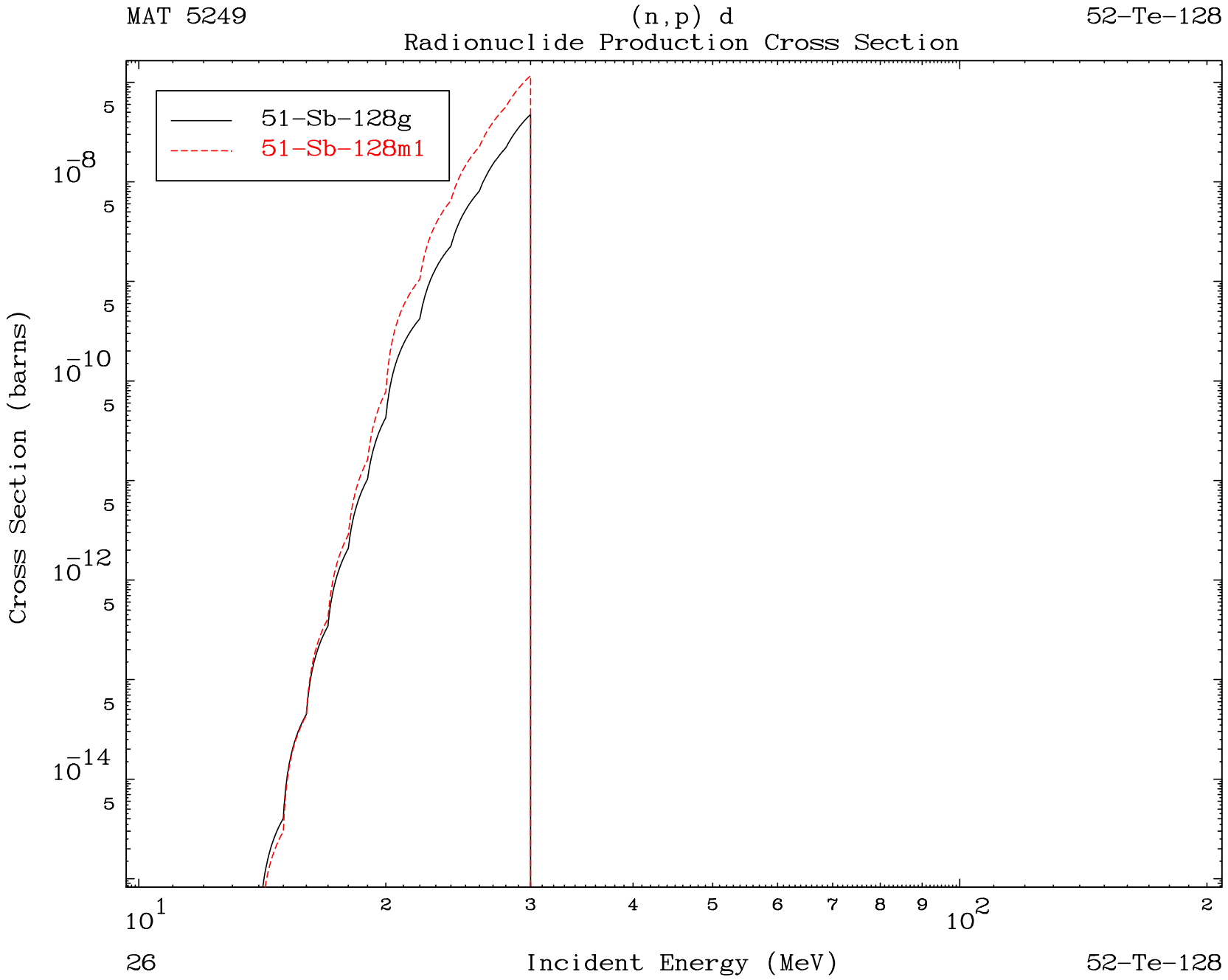

MAT 5249
(n,d)
52-Te-128
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
22
52-Te-128

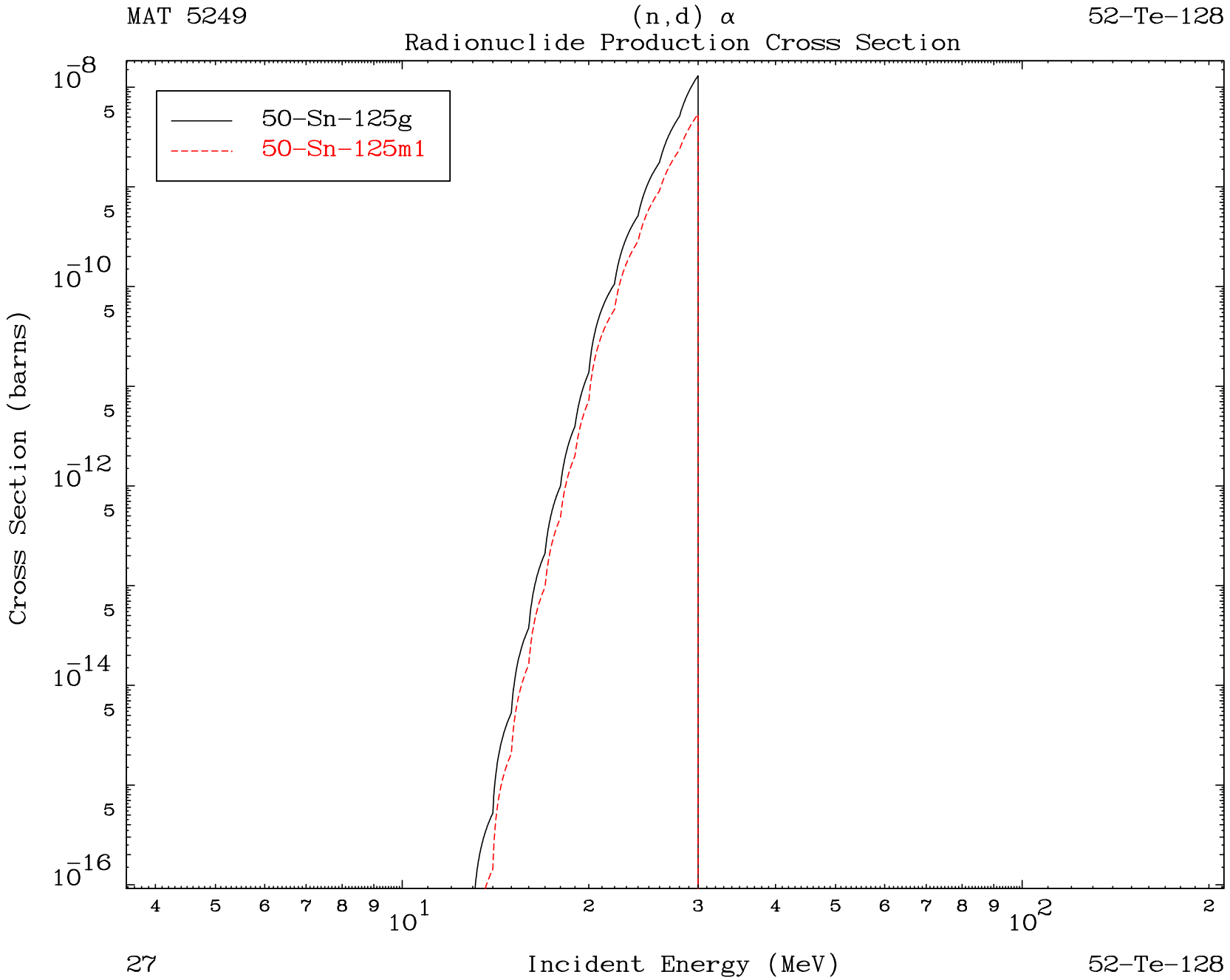
Radionuclide Production Cross Section




MAT 5249
(n,2α)
52-Te-128
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
24
52-Te-128


MAT 5249
(n,2p)
52-Te-128
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
25
Incident Energy (MeV)
52-Te-128


MAT 5249
(n,p) d
52-Te-128
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
26
Incident Energy (MeV)
52-Te-128


MAT 5249
(n,d) α
52-Te-128
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
27
52-Te-128