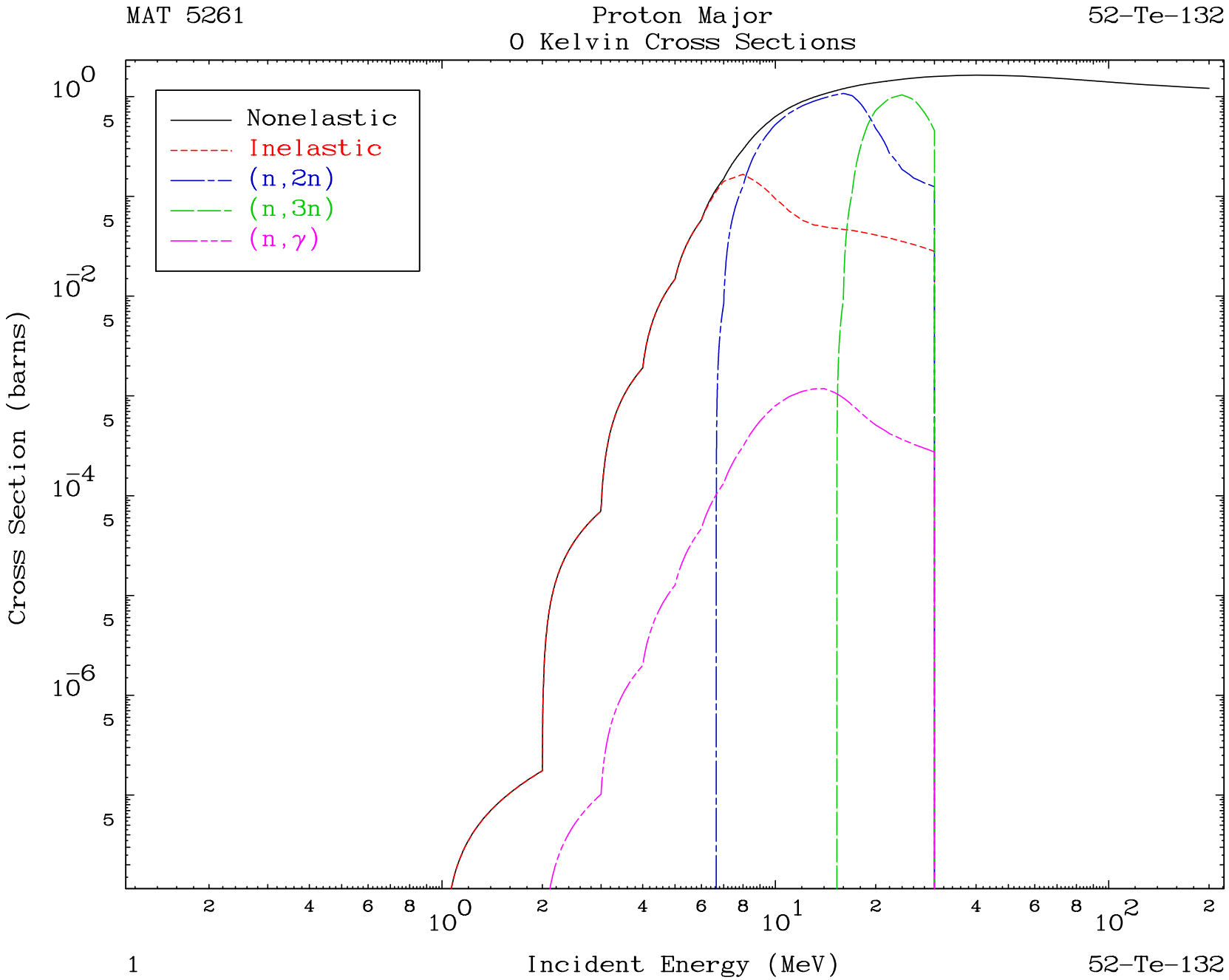
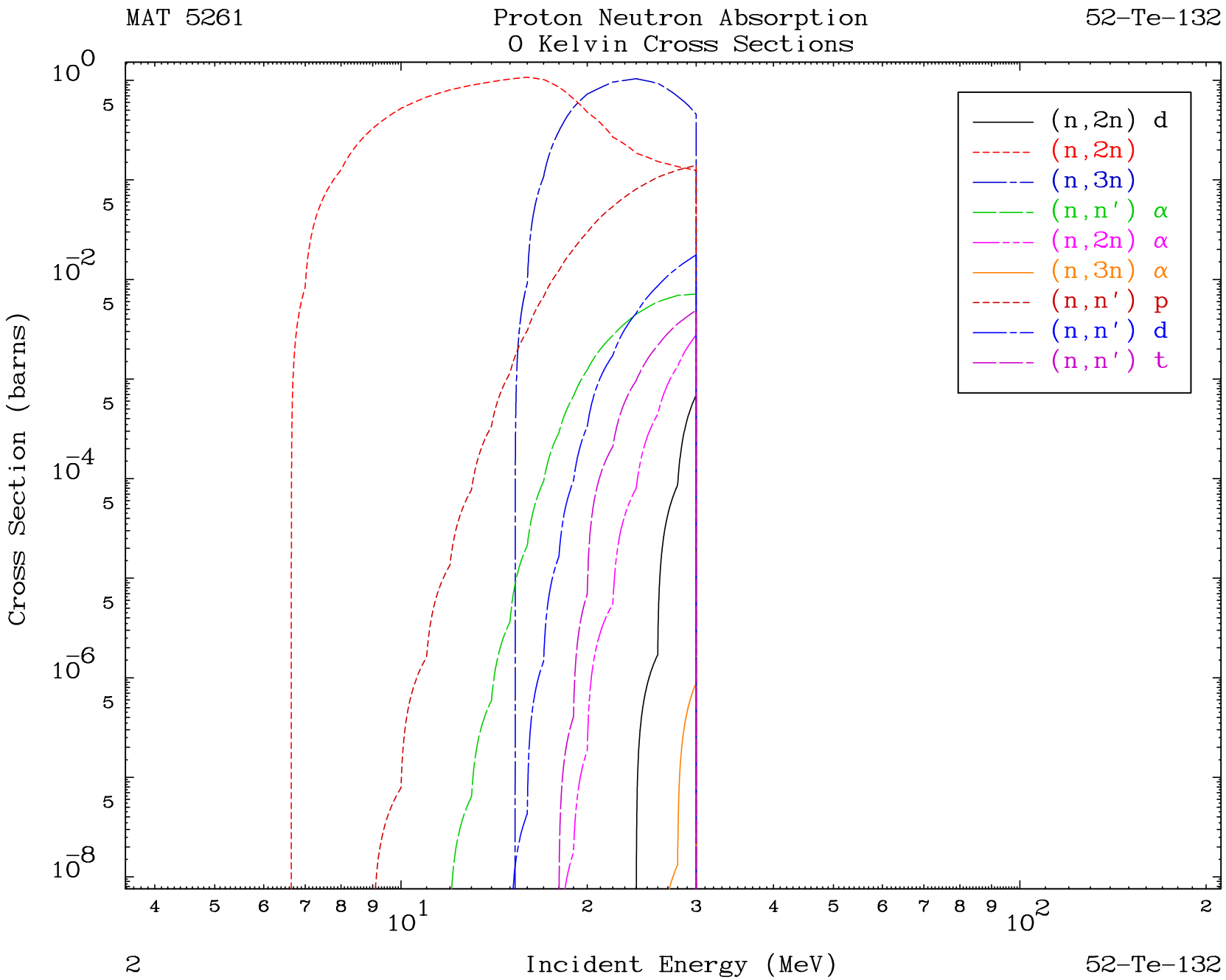
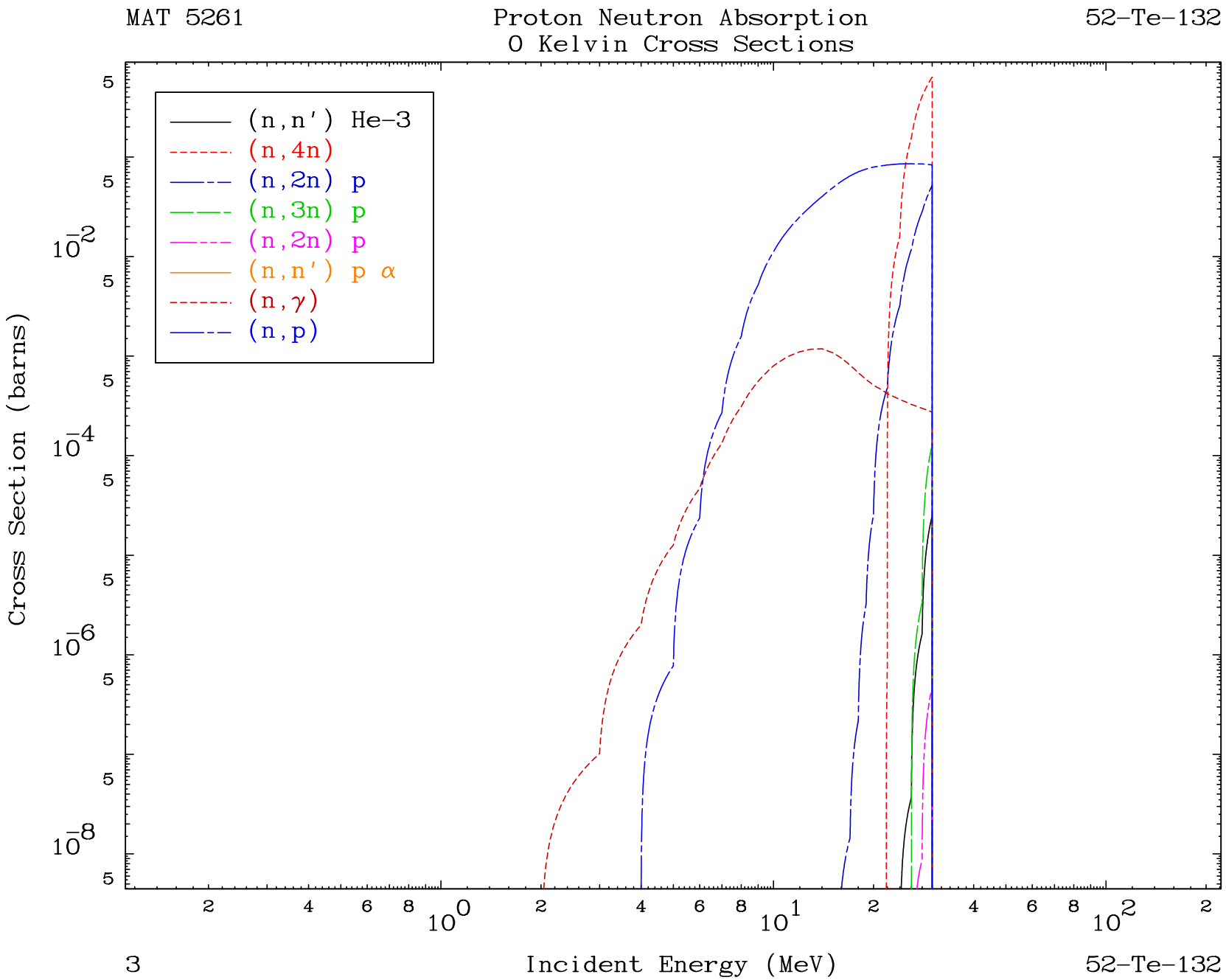
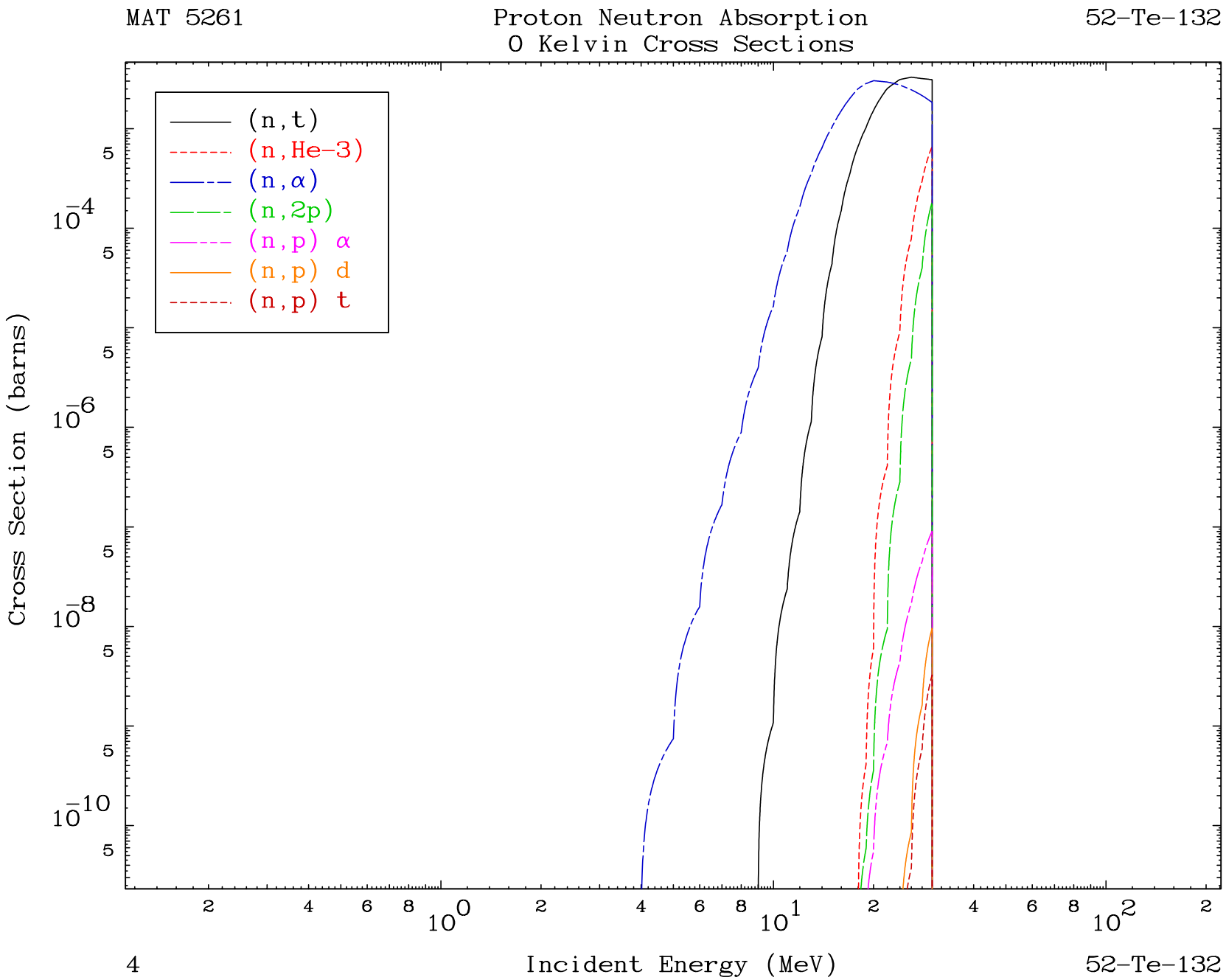
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

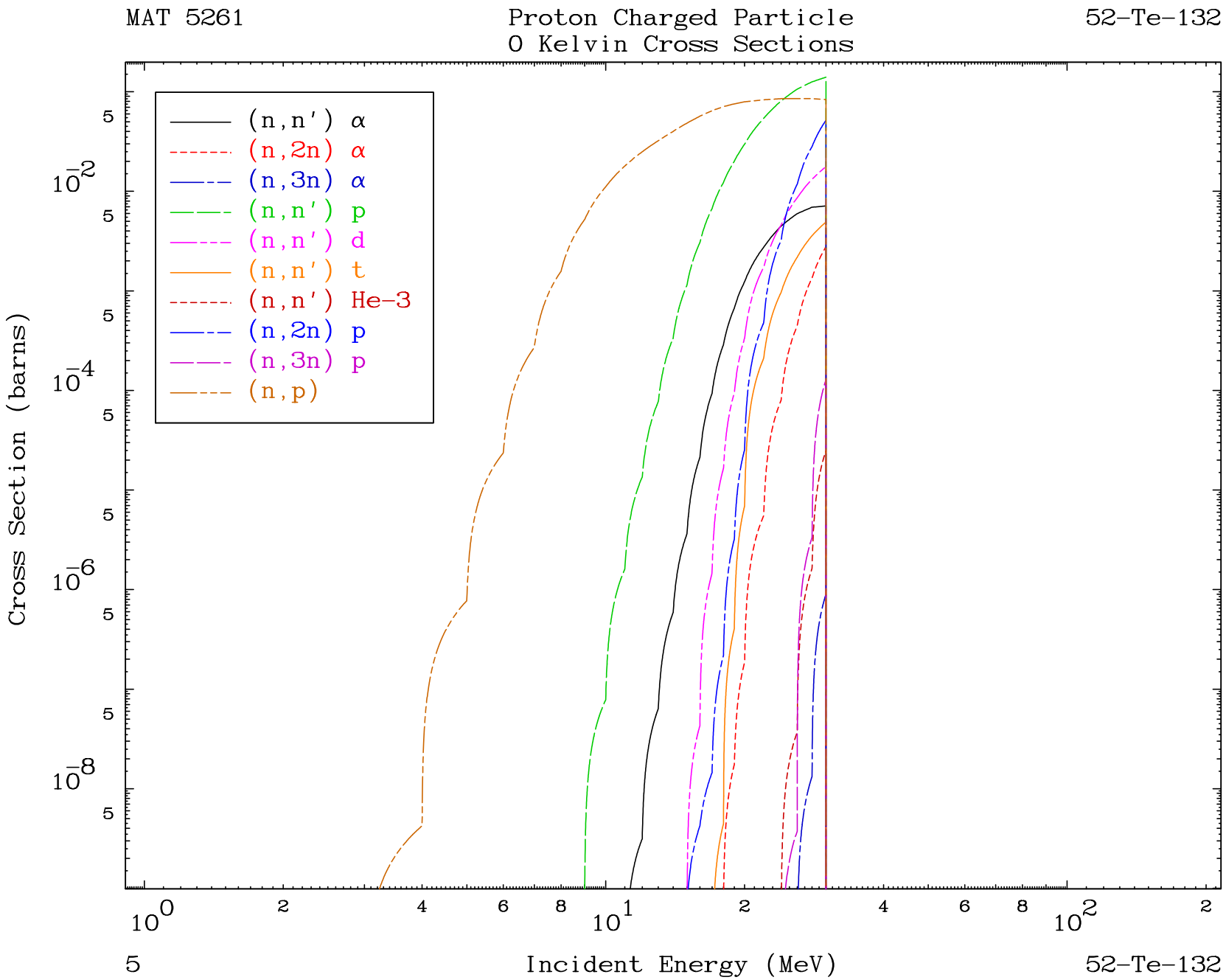
Press Mouse Button to Start

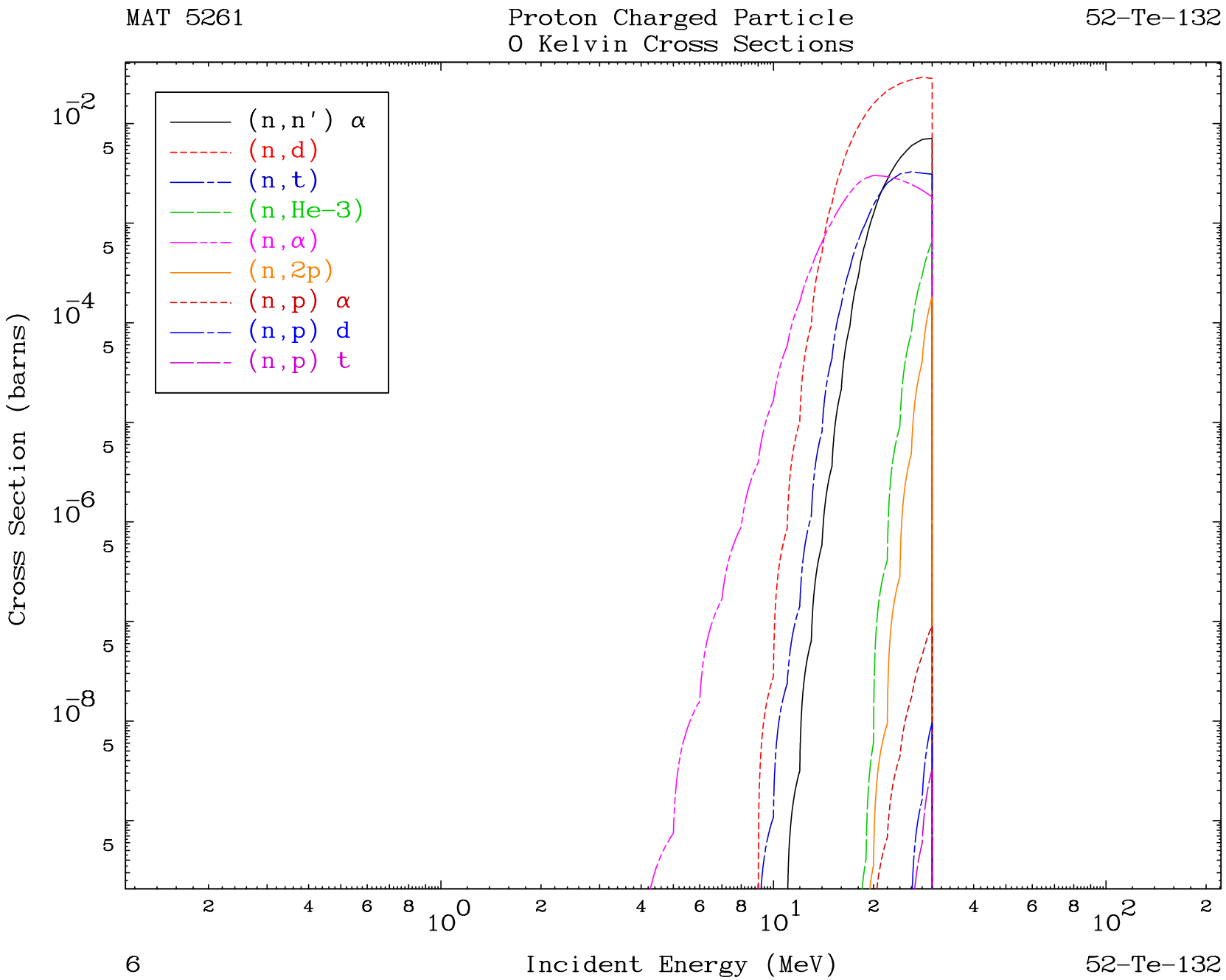

MAT 5261
Proton Major
52-Te-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-132
1

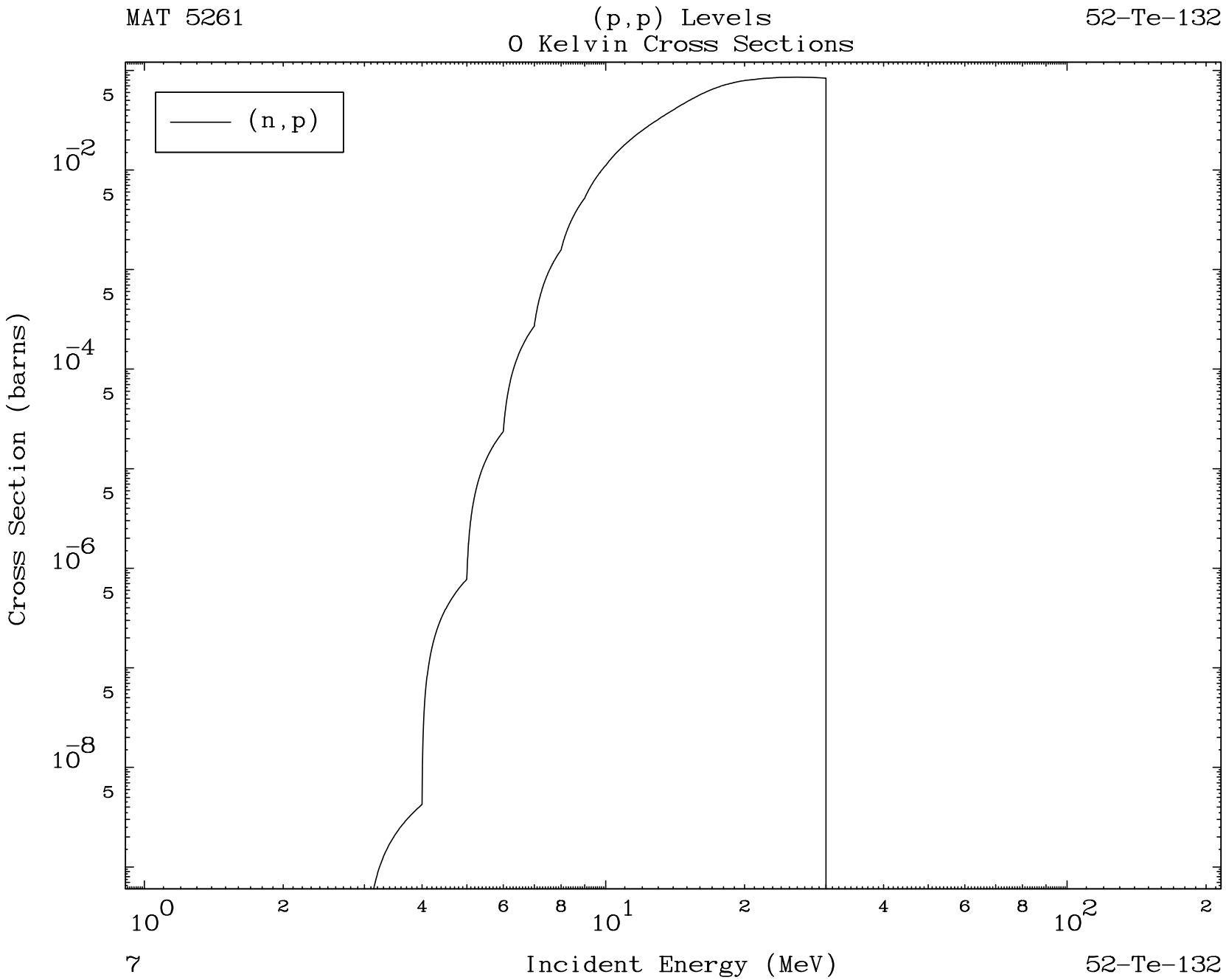

MAT 5261
Proton Neutron Absorption
0 Kelvin Cross Sections
52-Te-132
Cross Section (barns)
Incident Energy (MeV)
52-Te-132
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

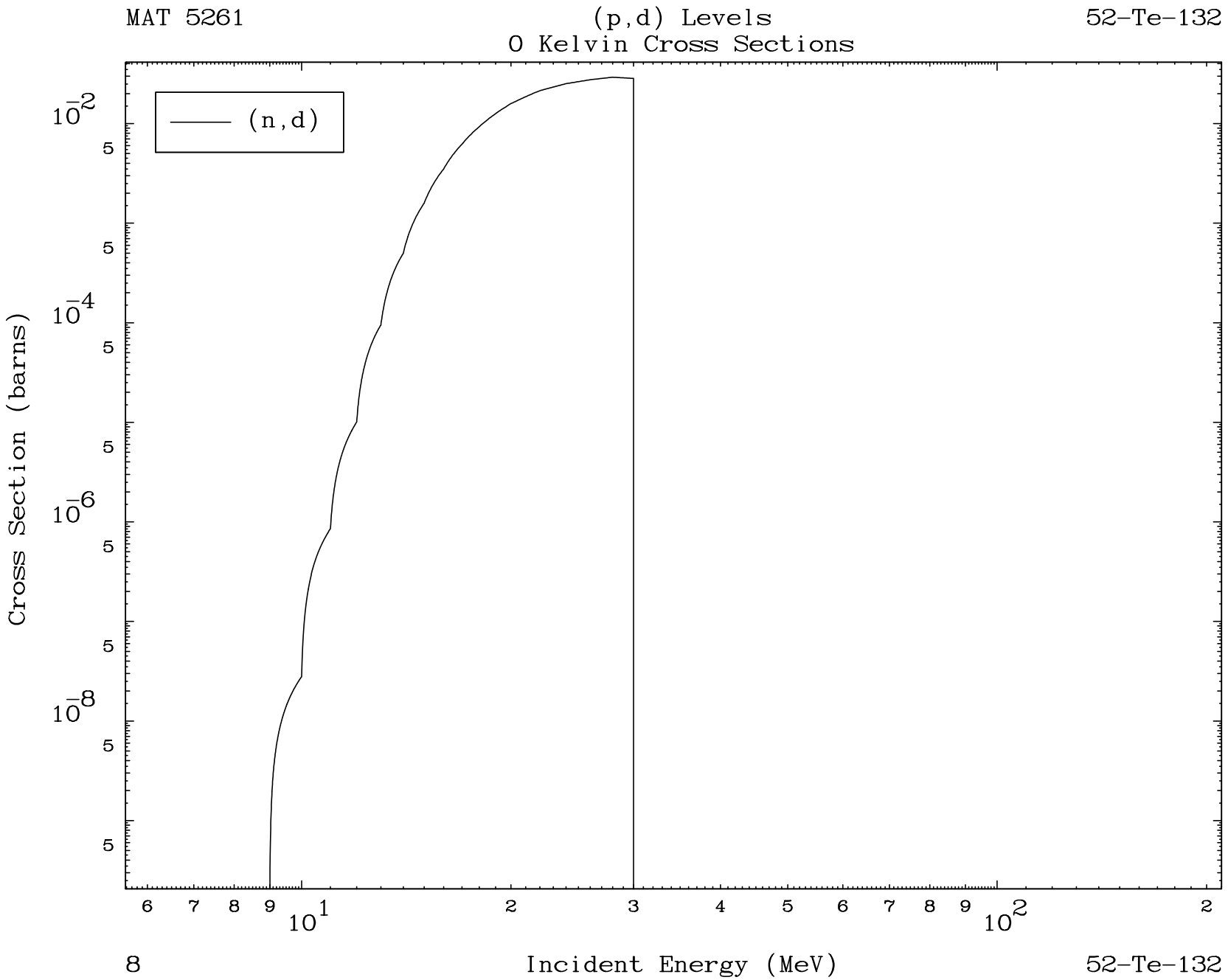

MAT 5261
Proton Neutron Absorption
0 Kelvin Cross Sections
52-Te-132
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-132

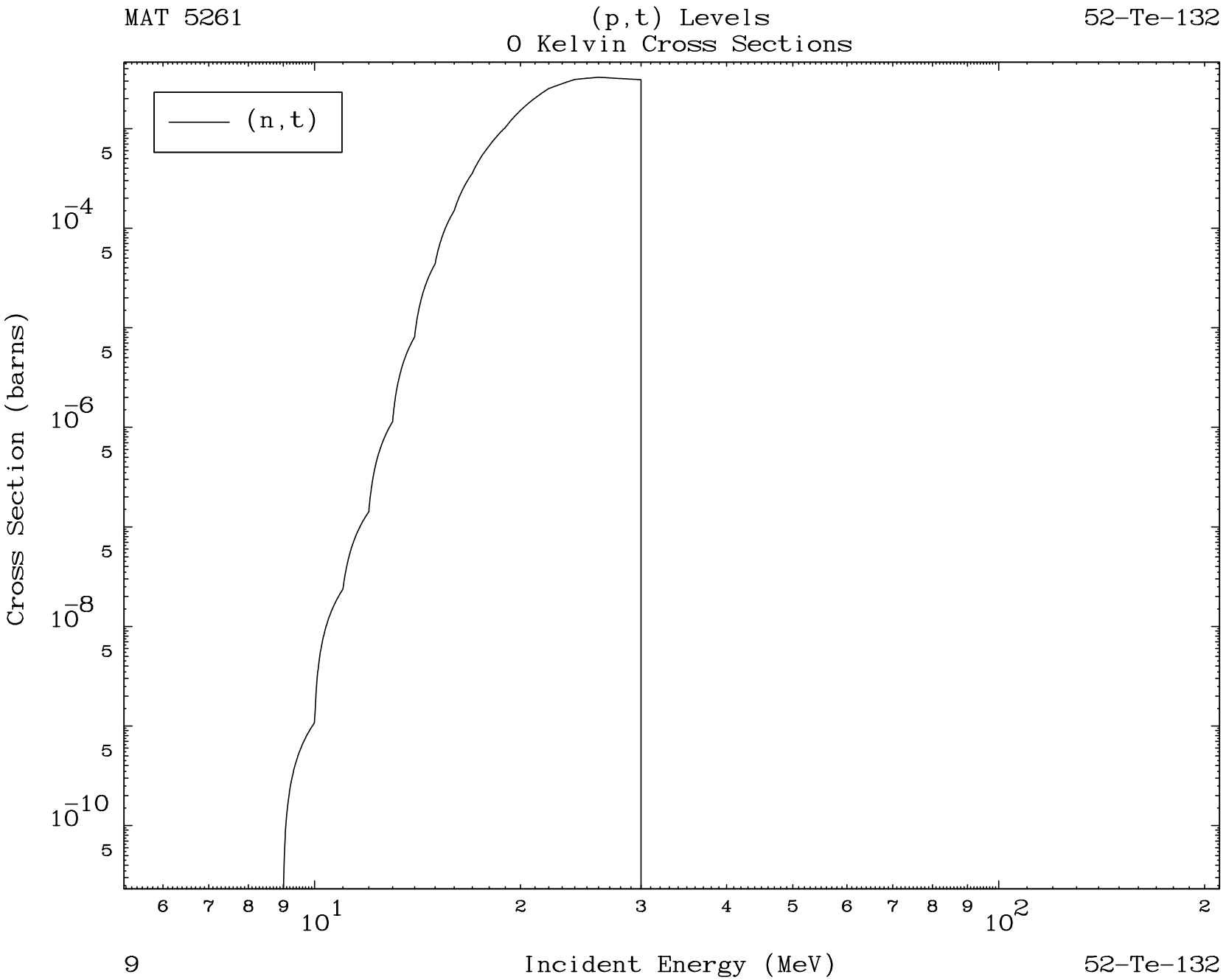

MAT 5261
Proton Neutron Absorption
0 Kelvin Cross Sections
52-Te-132
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
52-Te-132

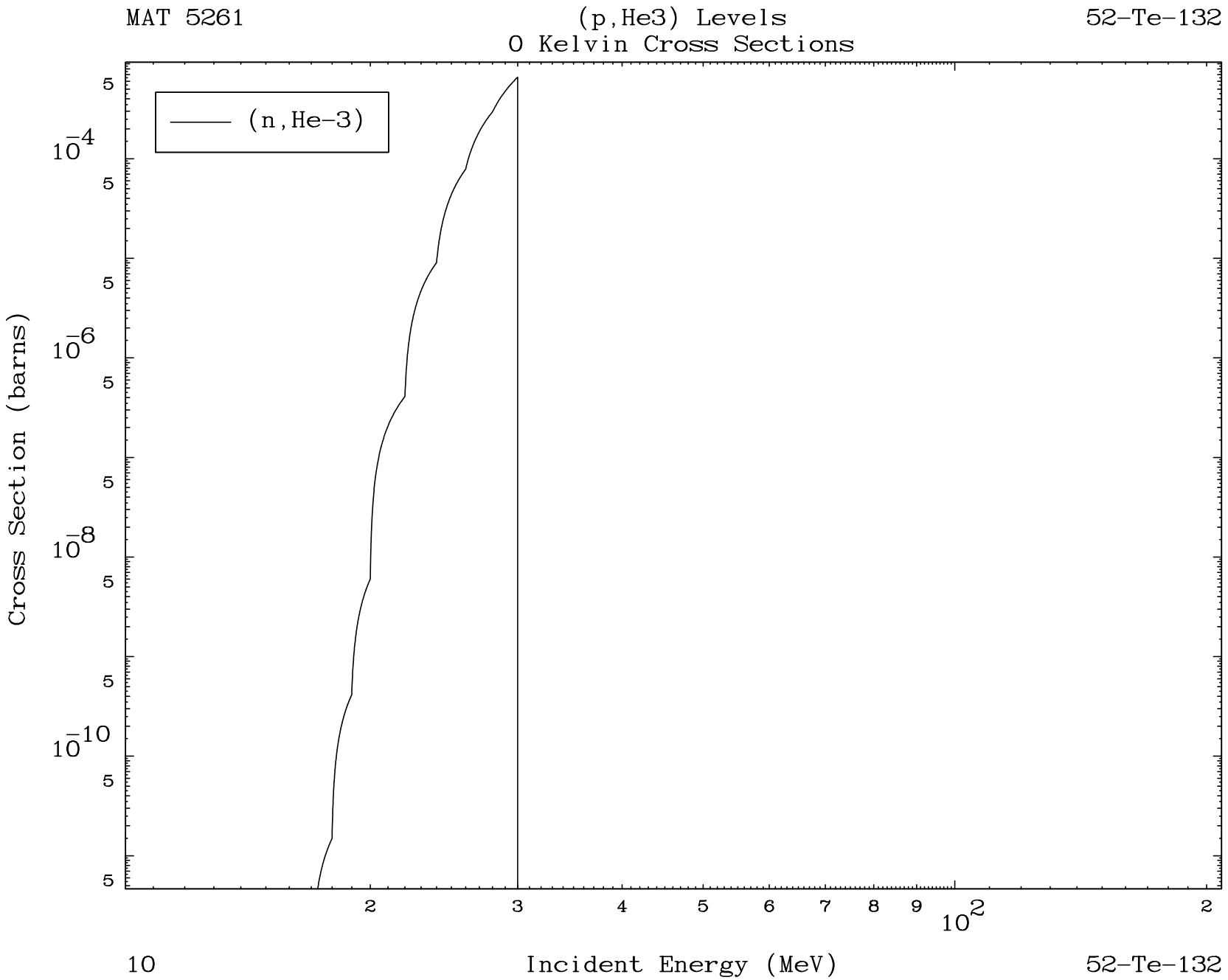

MAT 5261
Proton Charged Particle
0 Kelvin Cross Sections
52-Te-132
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
52-Te-132

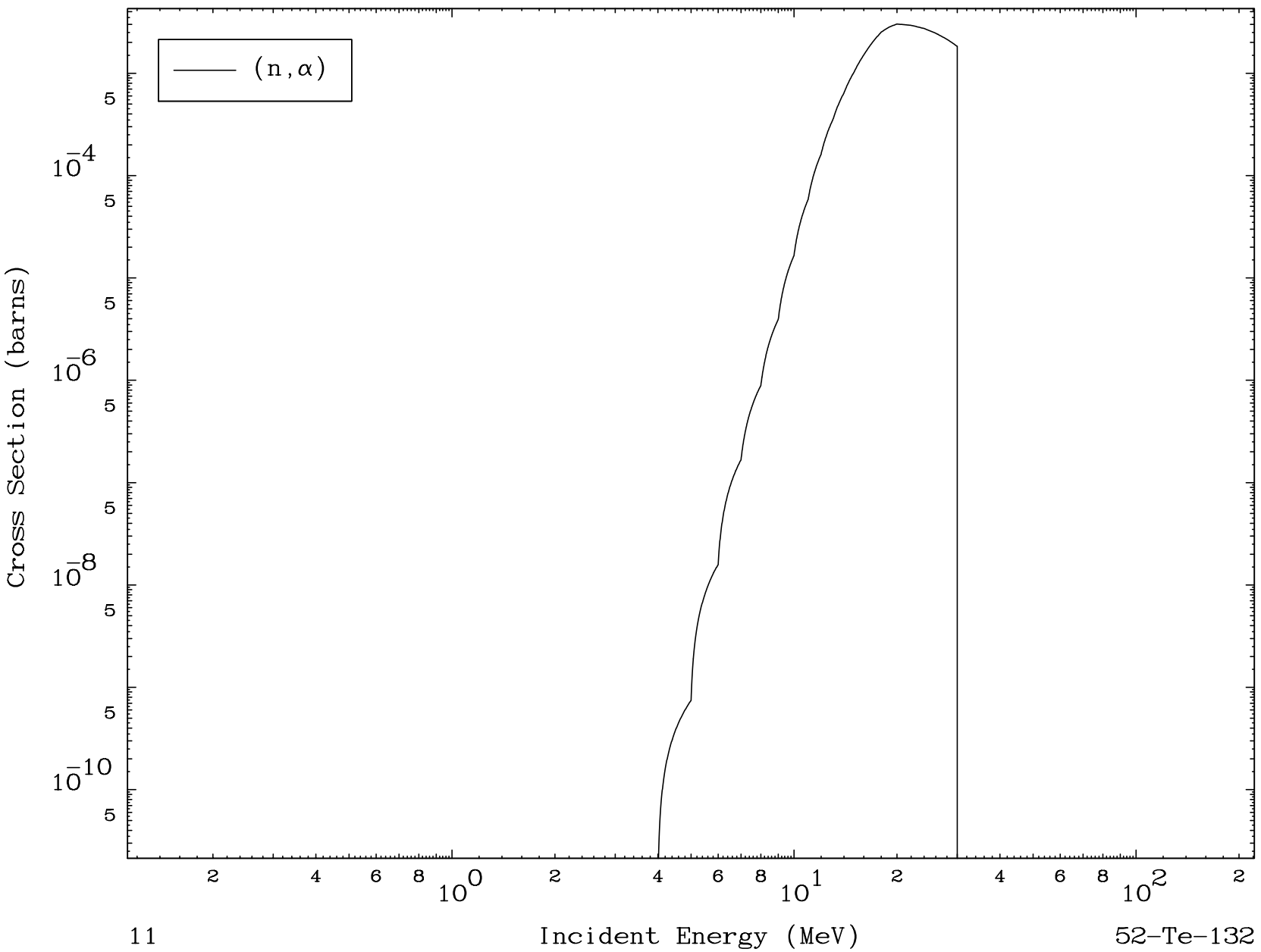

MAT 5261
Proton Charged Particle
0 Kelvin Cross Sections
52-Te-132
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
6
52-Te-132

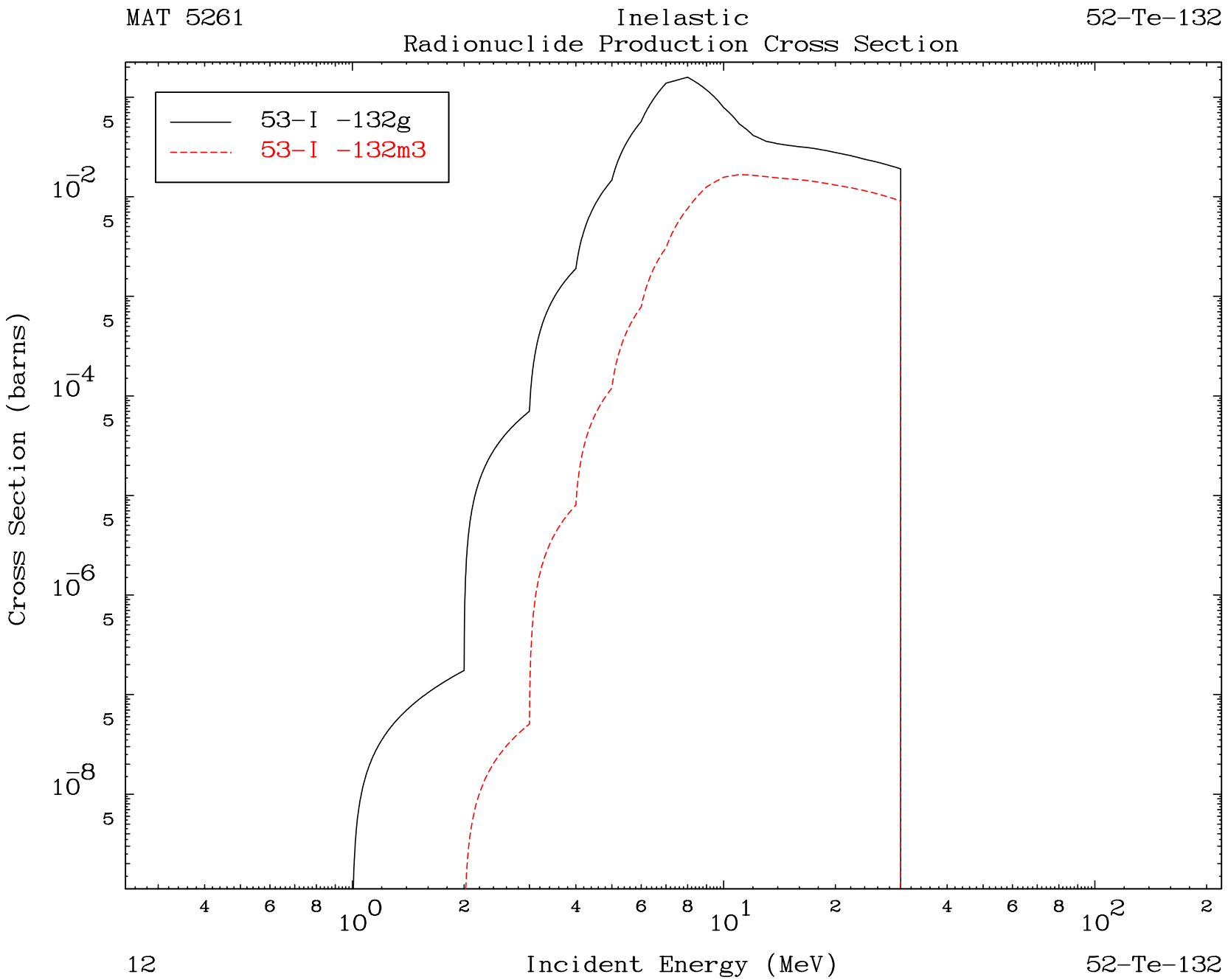

MAT 5261
(p,p) Levels
52-Te-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
52-Te-132
7

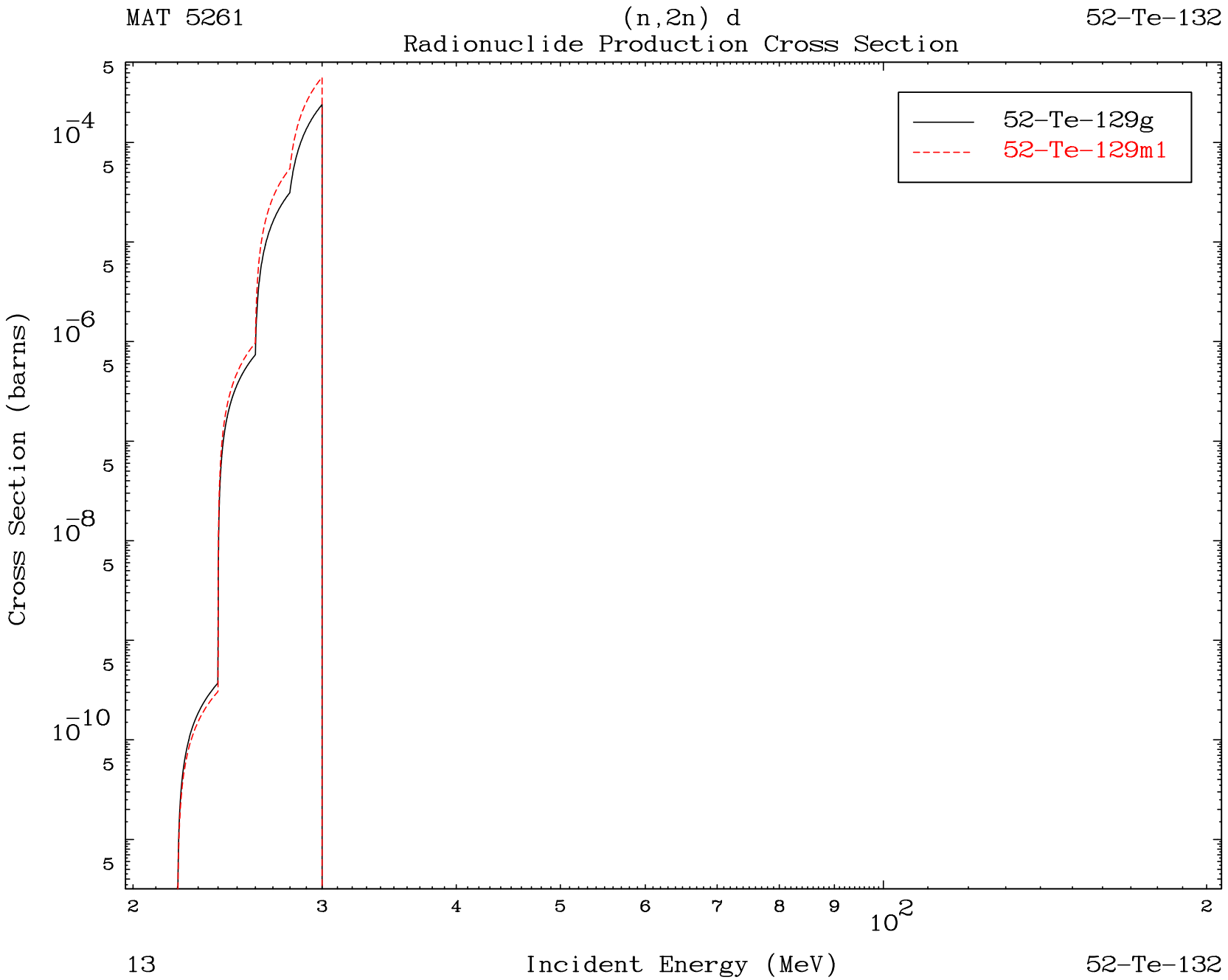

MAT 5261
(p,d) Levels
52-Te-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
8
52-Te-132

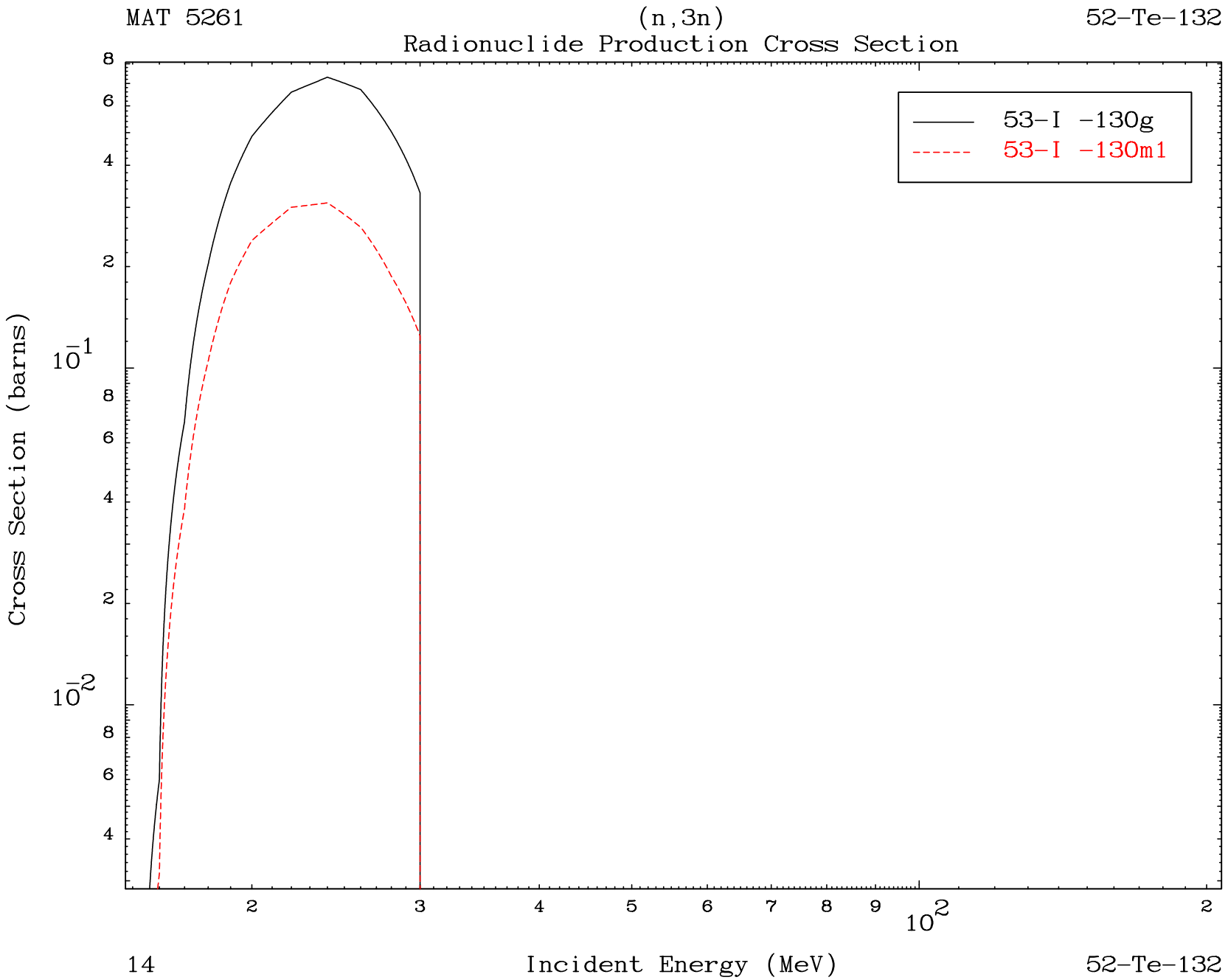

MAT 5261
(p,t) Levels
52-Te-132
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
52-Te-132

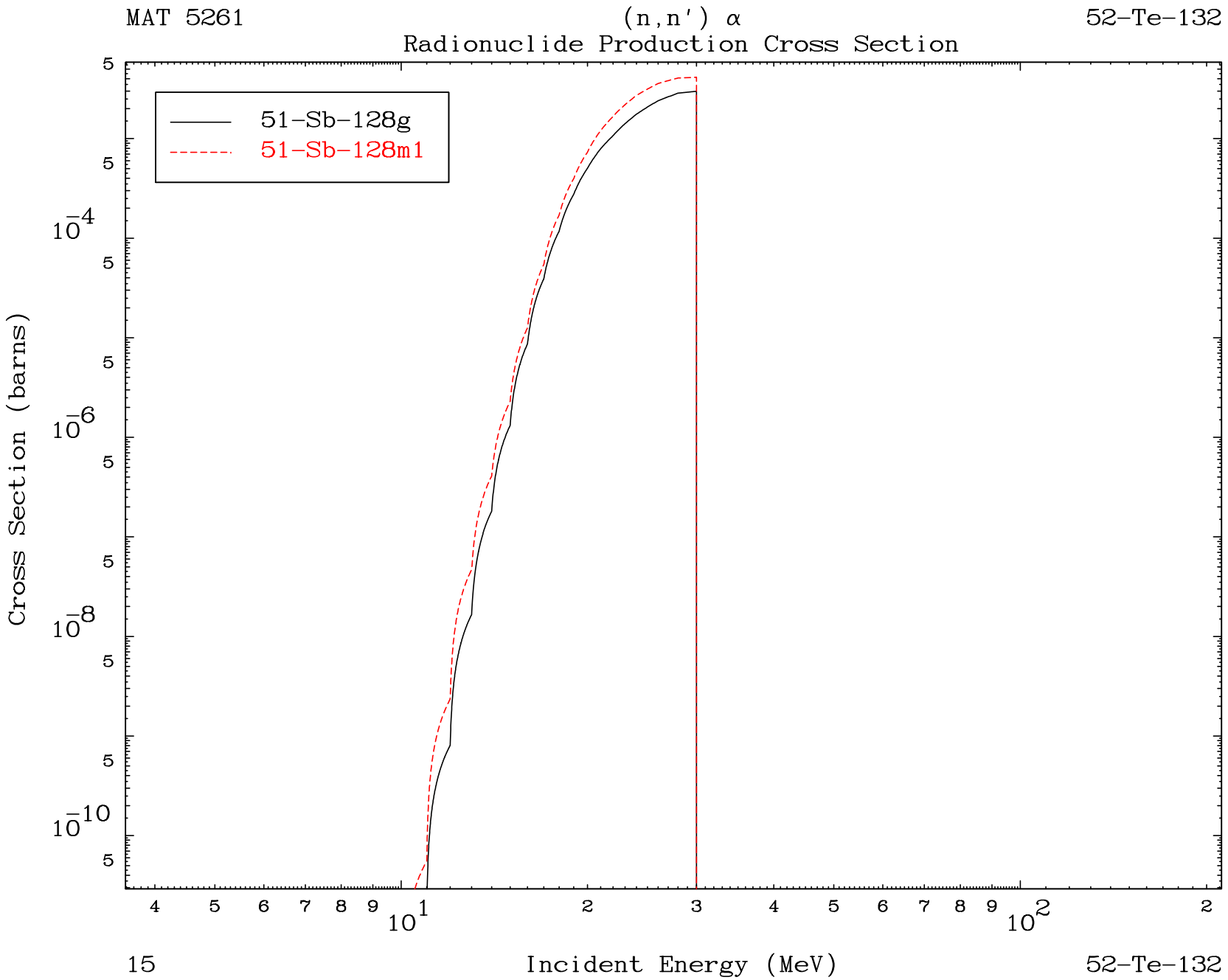

MAT 5261
(p,He3) Levels
52-Te-132
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
52-Te-132

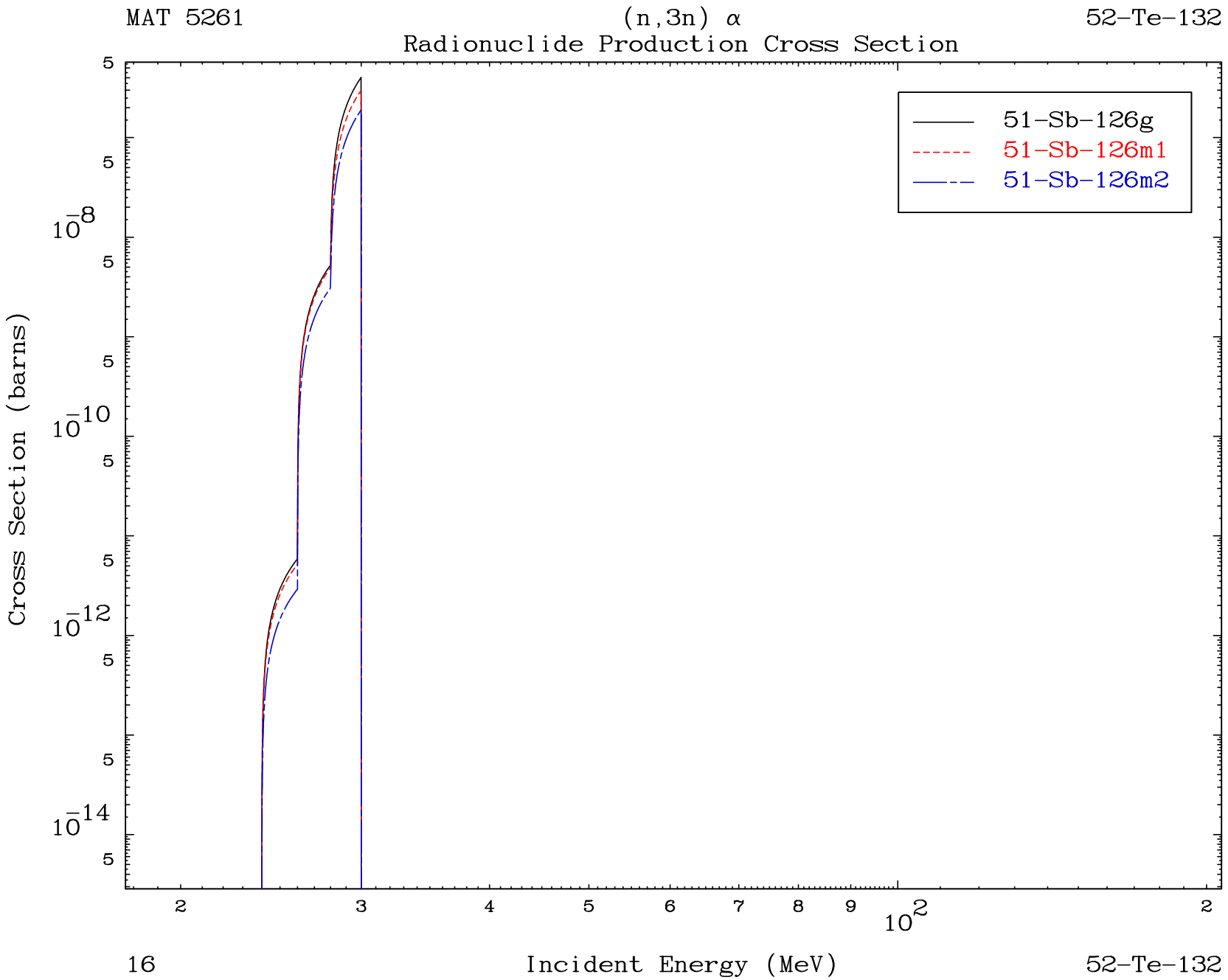

0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)

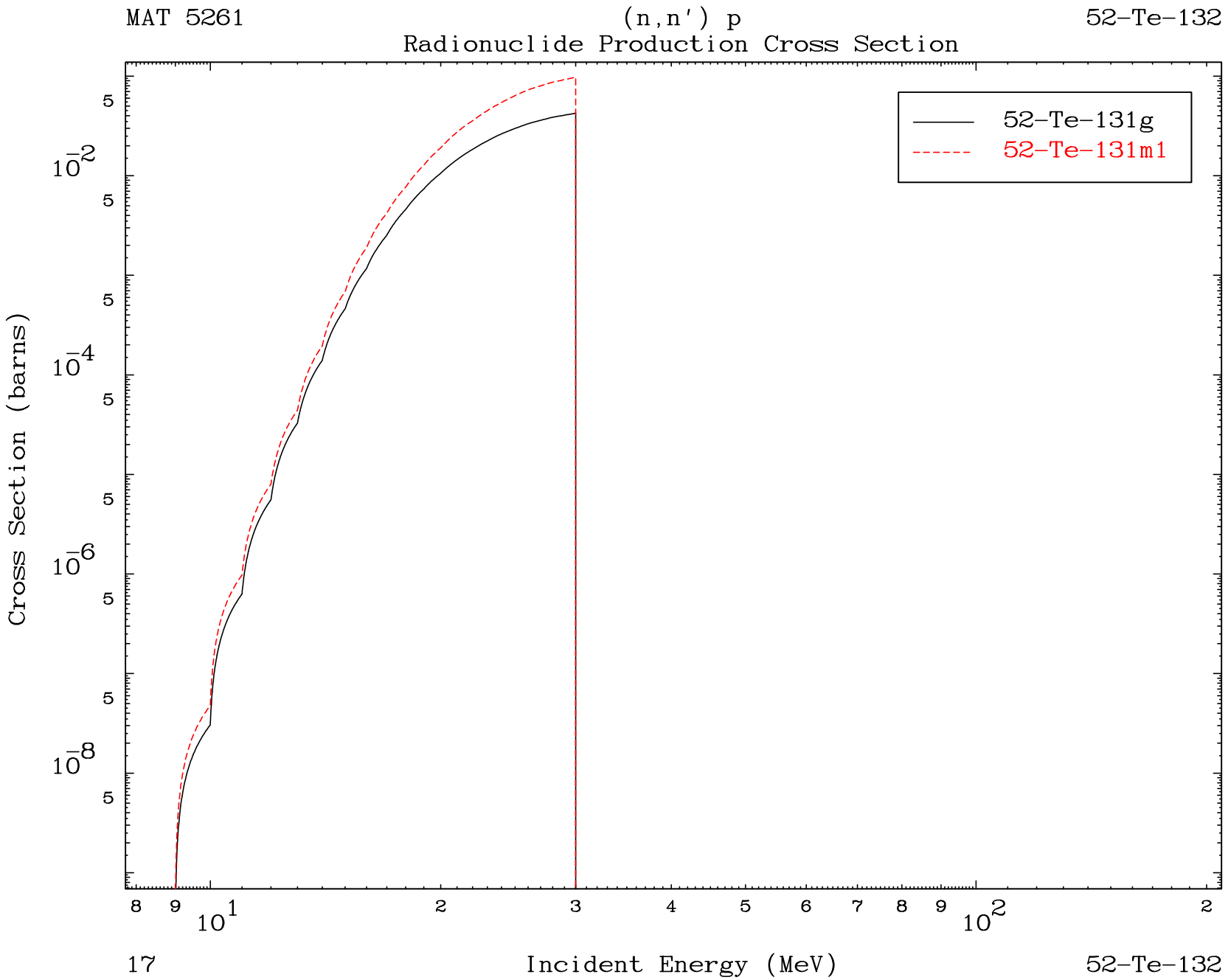

MAT 5261
Inelastic
52-Te-132
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
52-Te-132

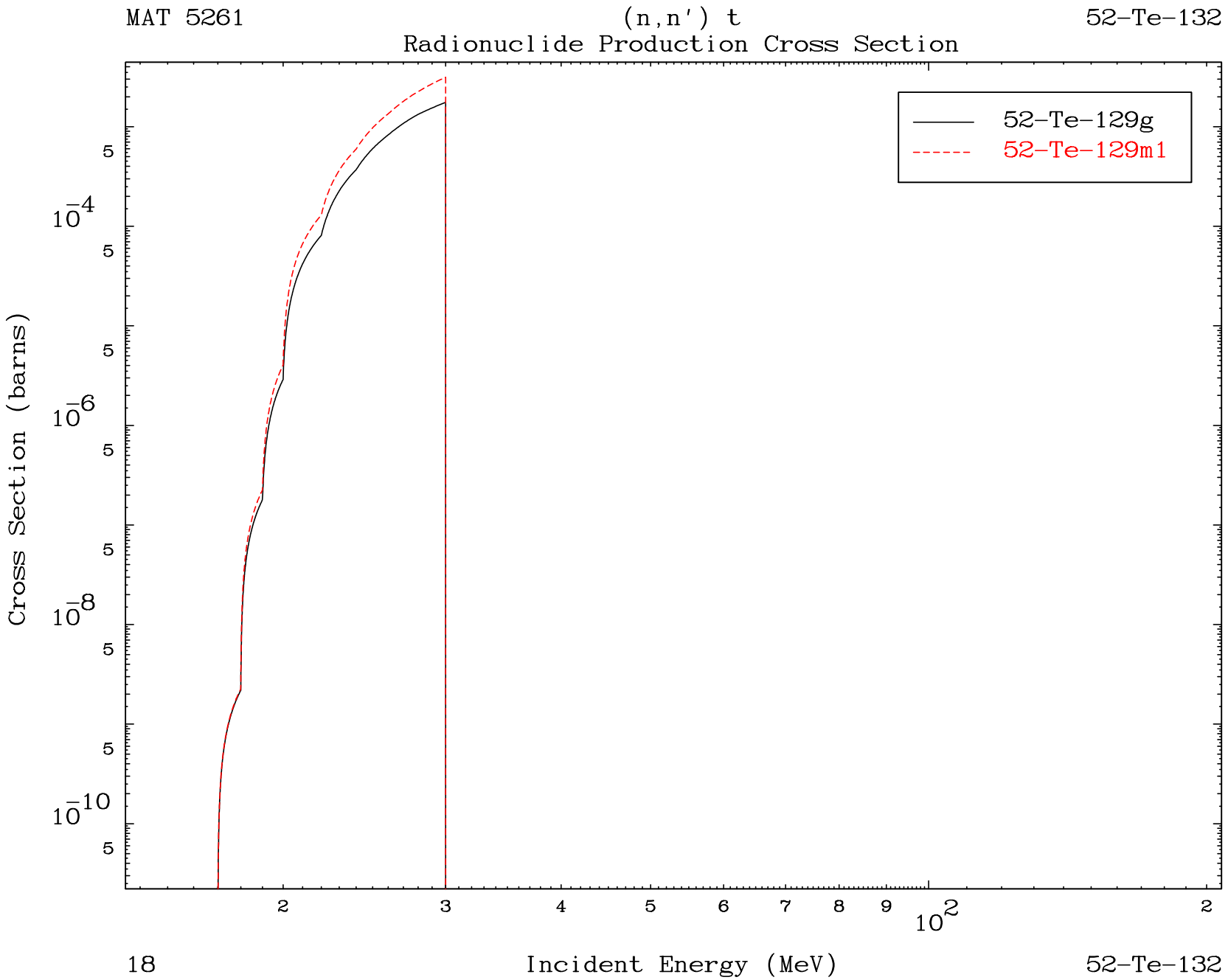

MAT 5261
(n,2n) d
52-Te-132
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
52-Te-132

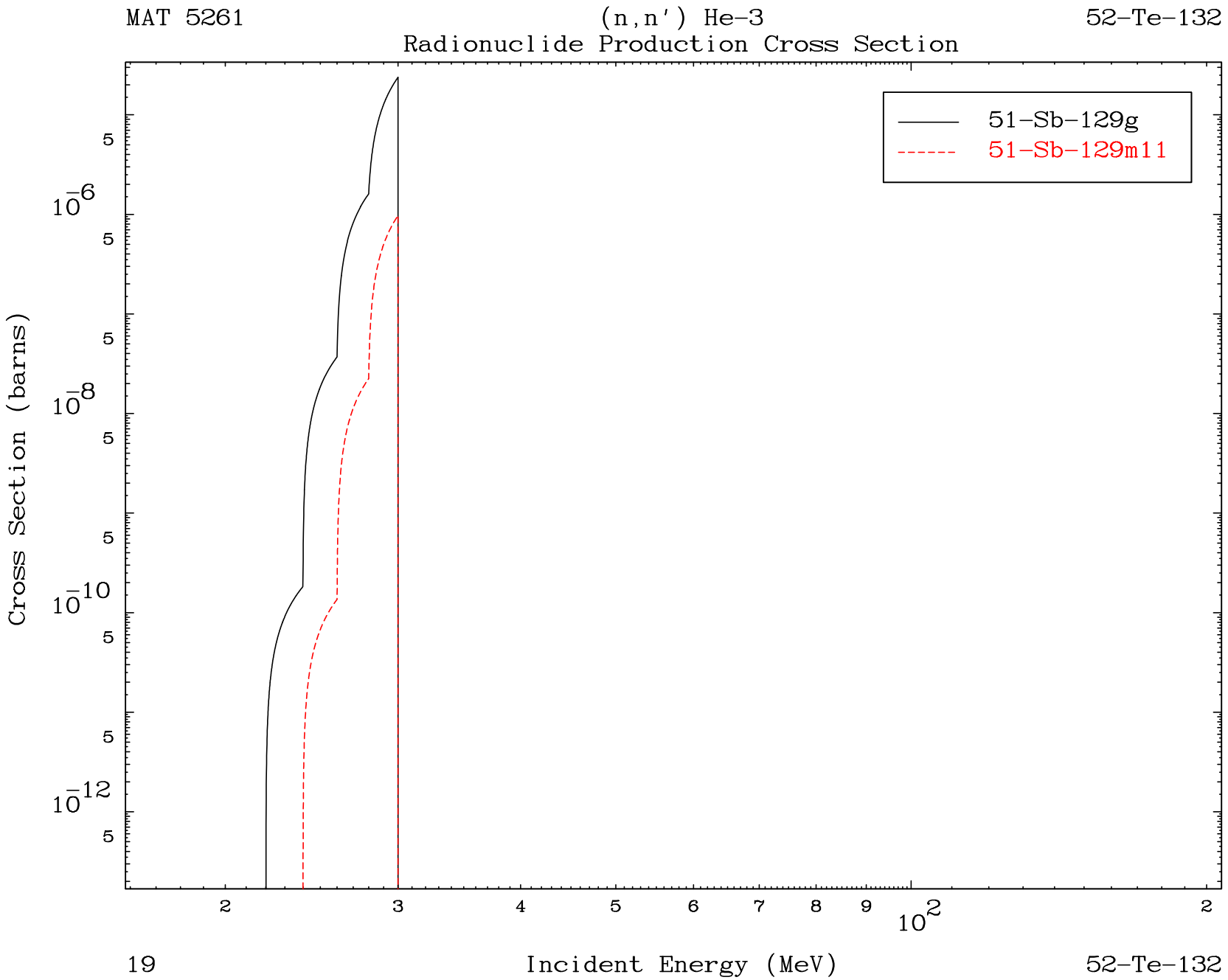

MAT 5261
(n,3n)
52-Te-132
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
8
6
4
2
10^{-1}
8
6
4
2
10^{-2}
8
6
4
2
3
4
5
6
7
8
9
10^{2}
2
14
Incident Energy (MeV)
52-Te-132

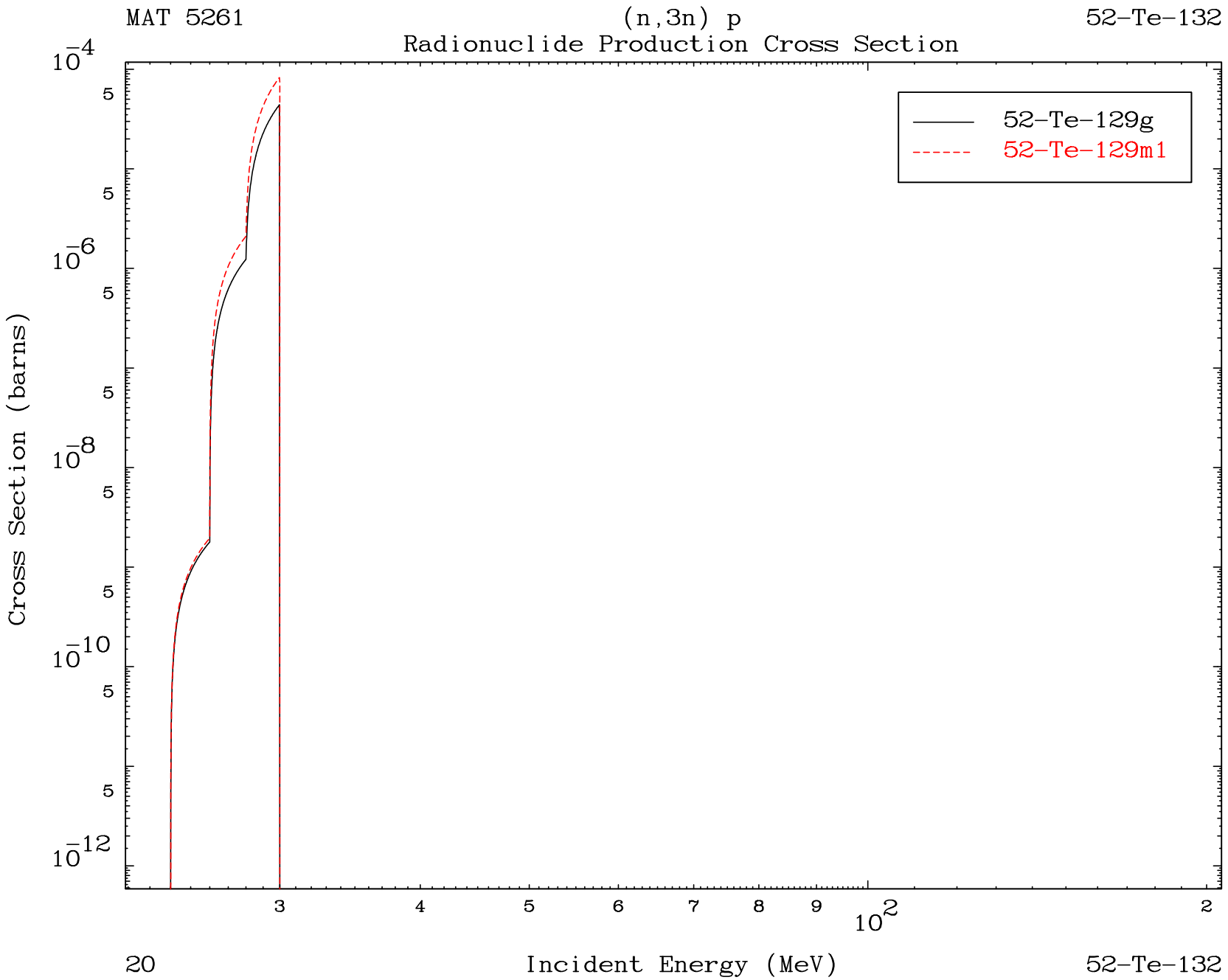

MAT 5261
(n,n') α
52-Te-132
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
15
52-Te-132

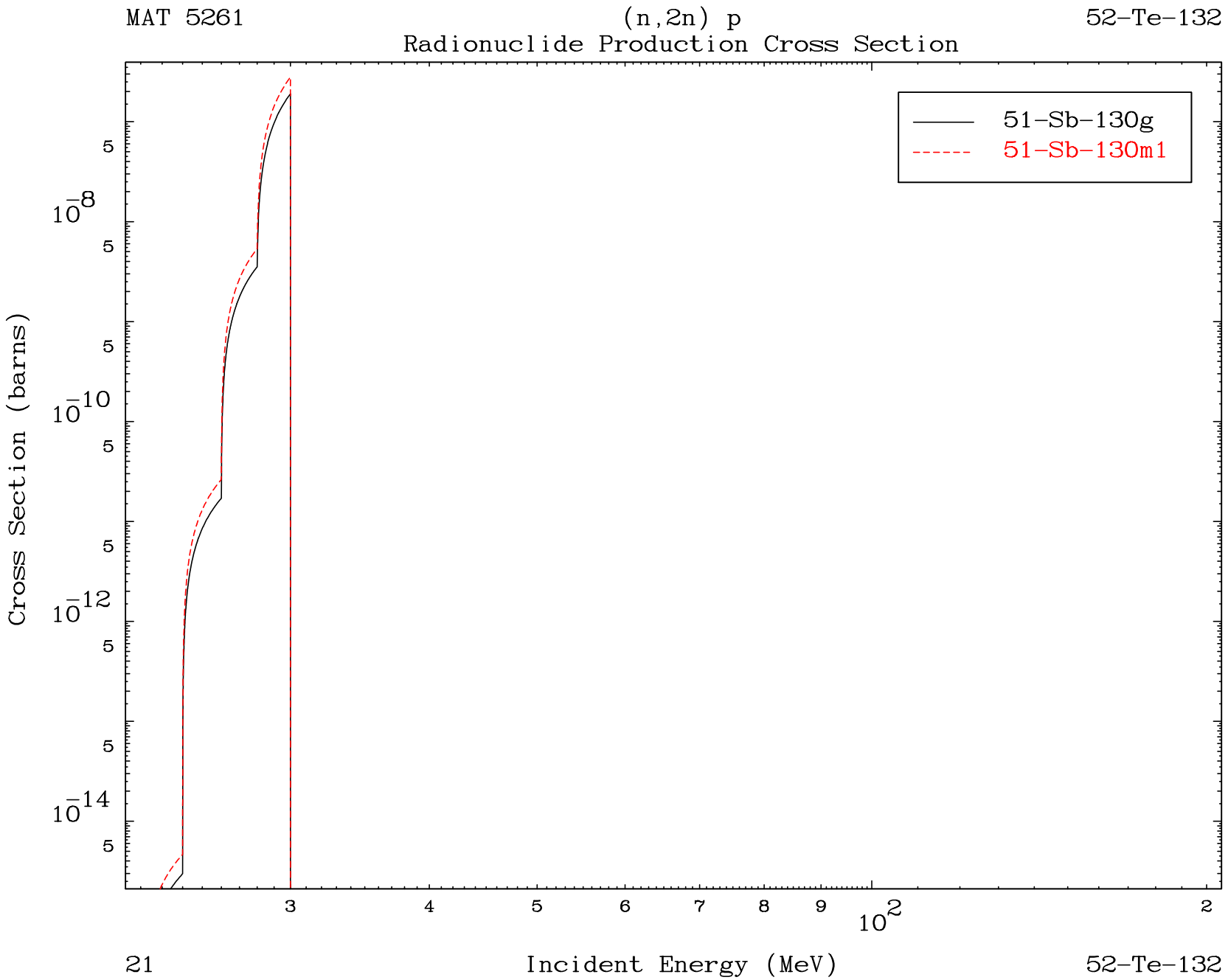

MAT 5261
(n,3n) α
52-Te-132
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-132

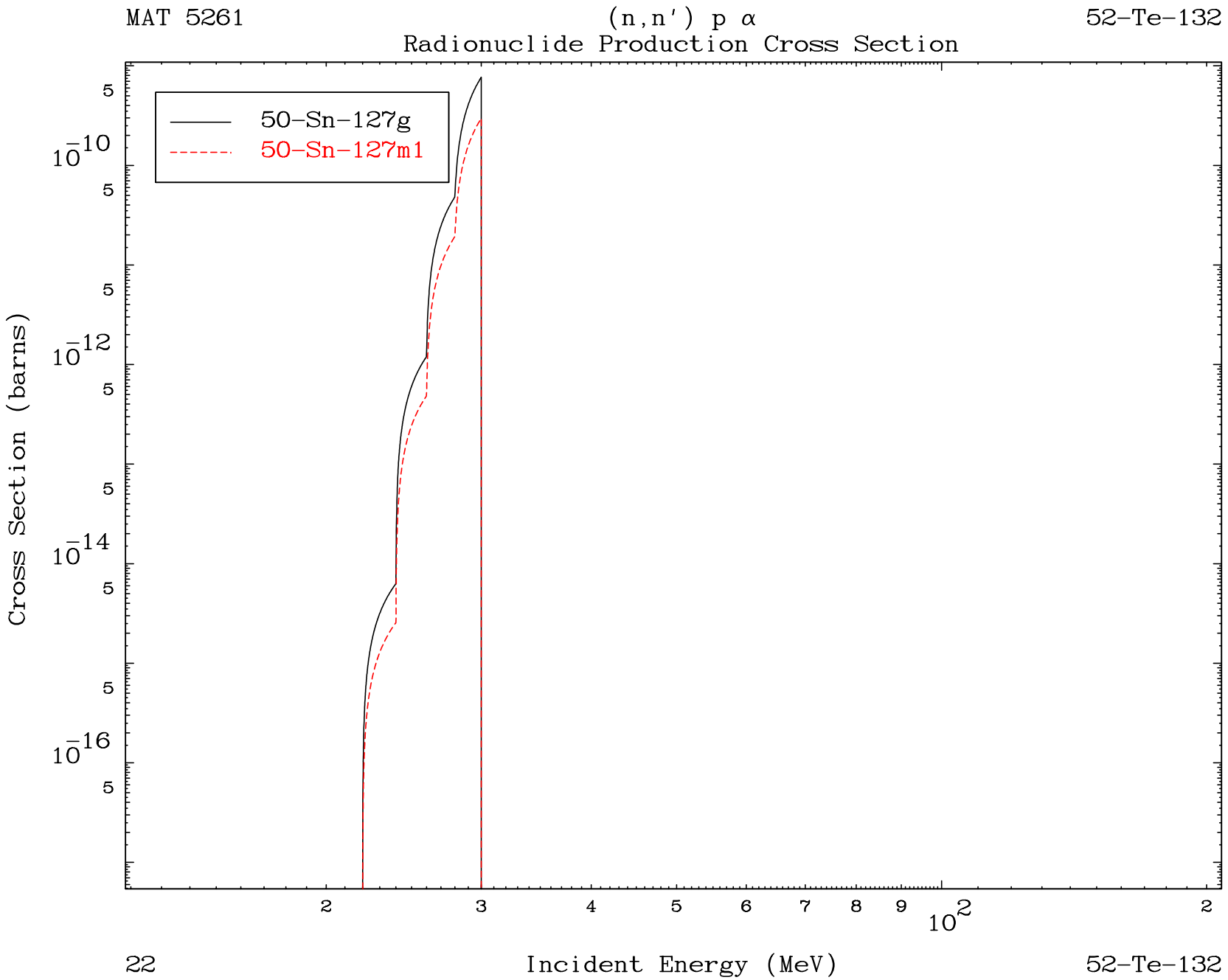

MAT 5261
(n,n') p
52-Te-132
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
17
Incident Energy (MeV)
52-Te-132

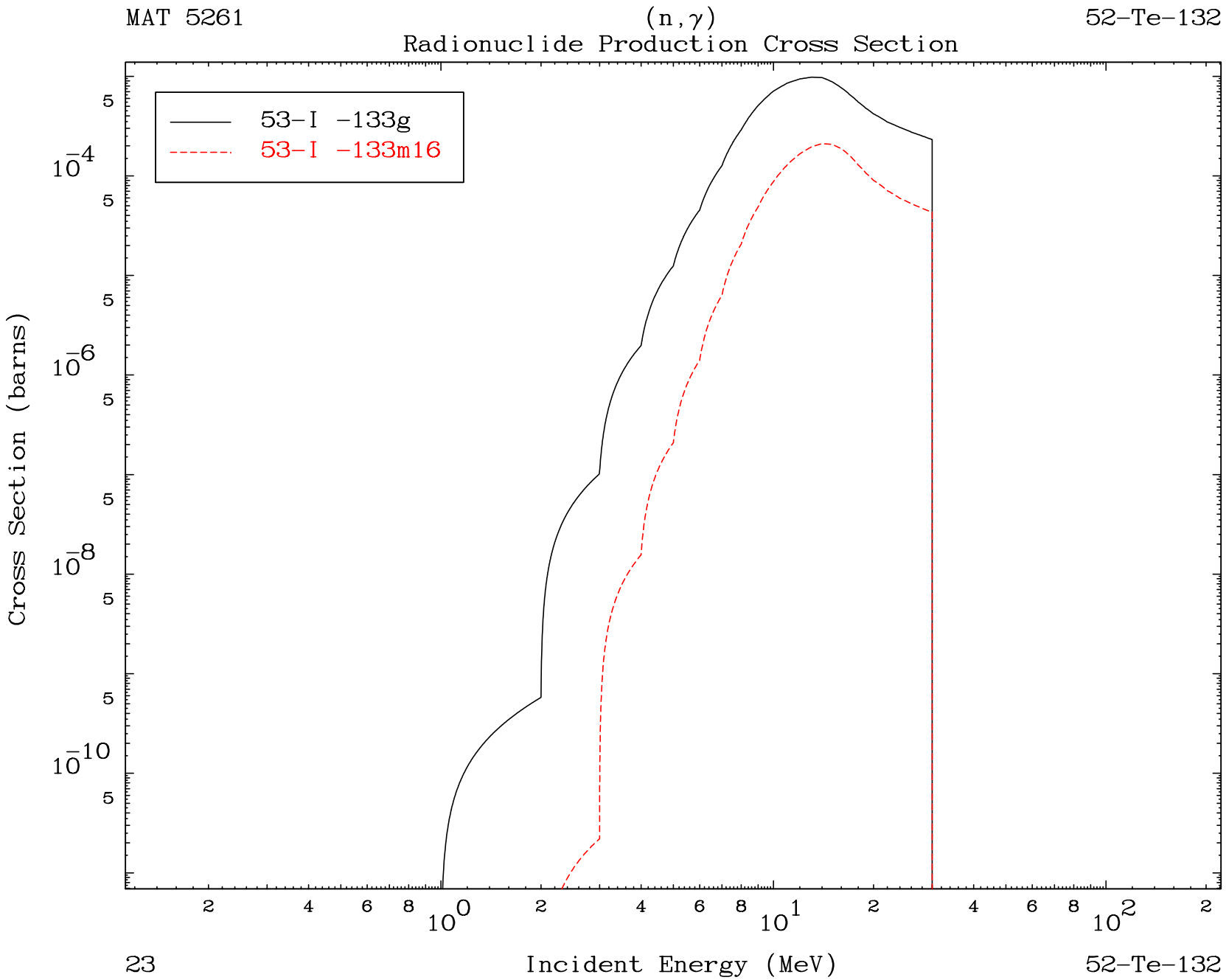

MAT 5261
(n,n') t
52-Te-132
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
52-Te-132

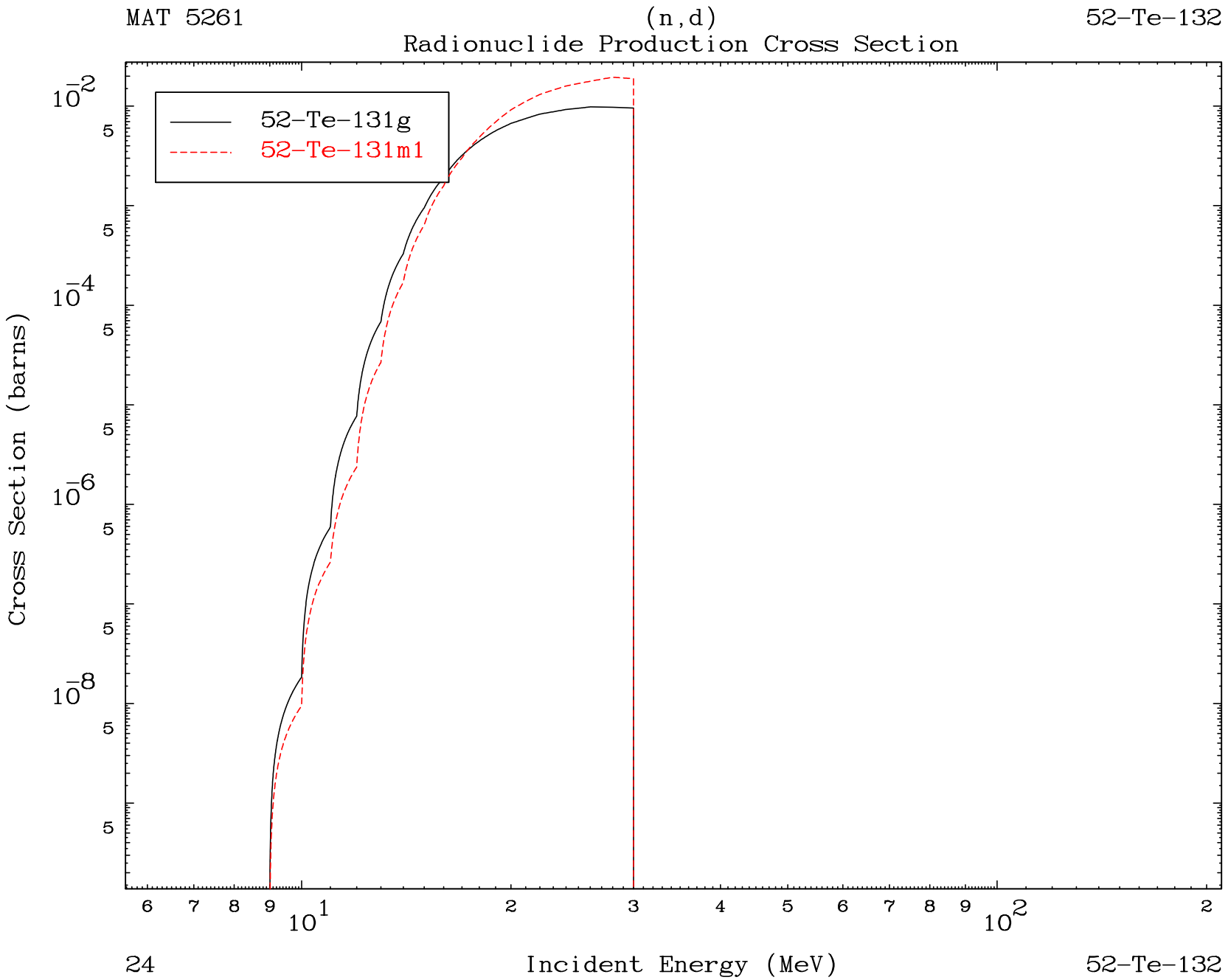

MAT 5261
(n,n') He-3
52-Te-132
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
52-Te-132

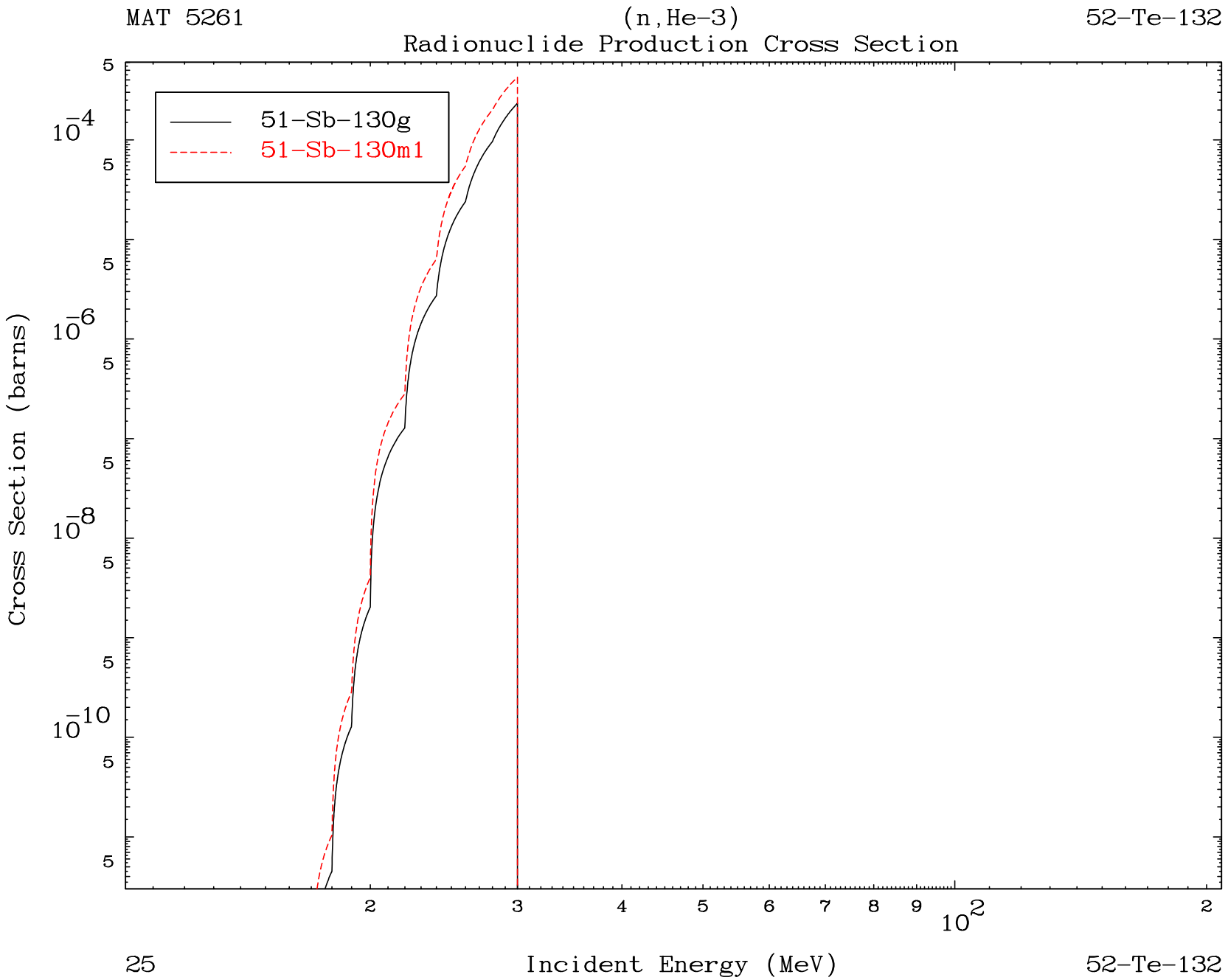

MAT 5261
(n,3n) p
52-Te-132
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
20
52-Te-132

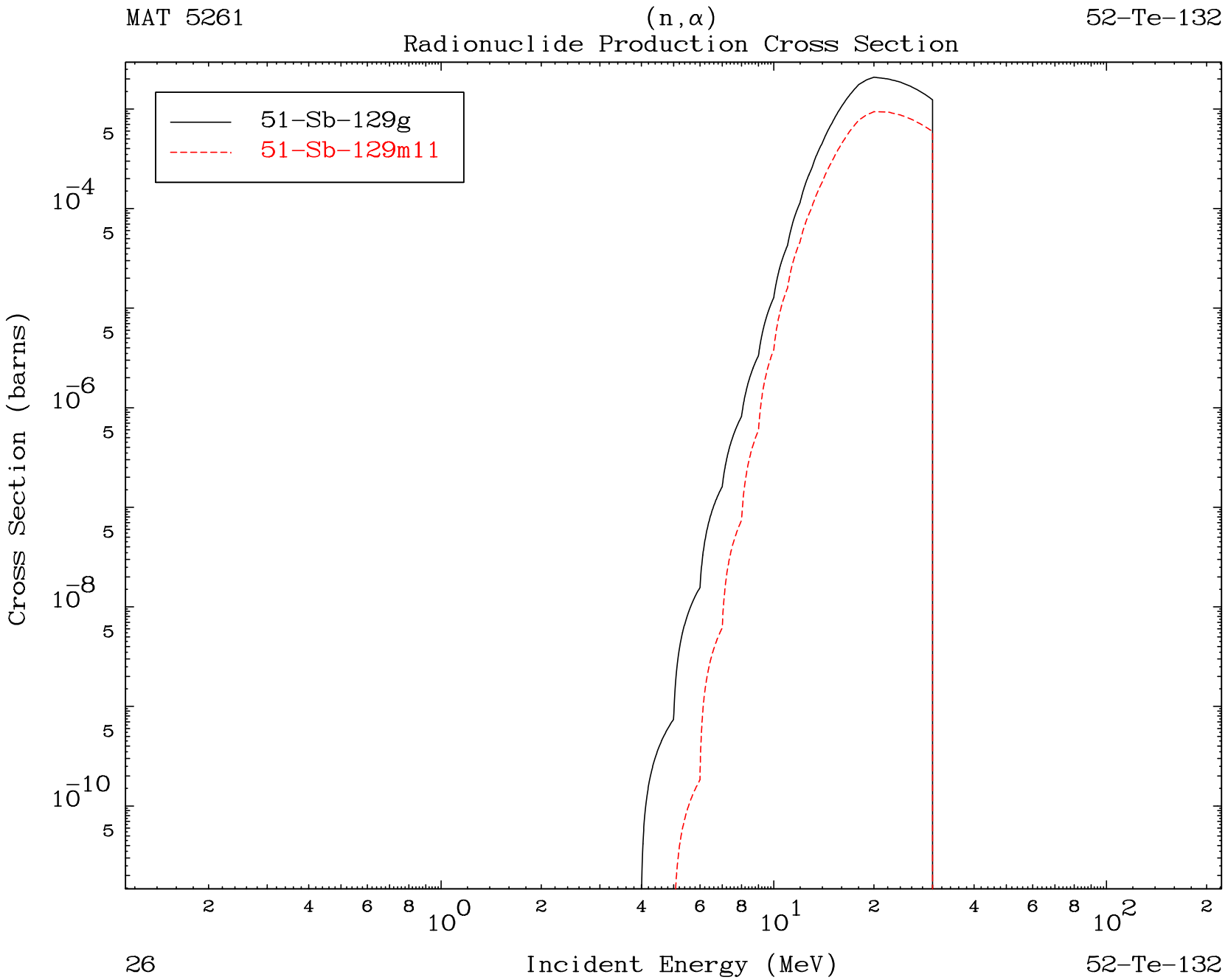

MAT 5261
(n,2n) p
52-Te-132
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
52-Te-132

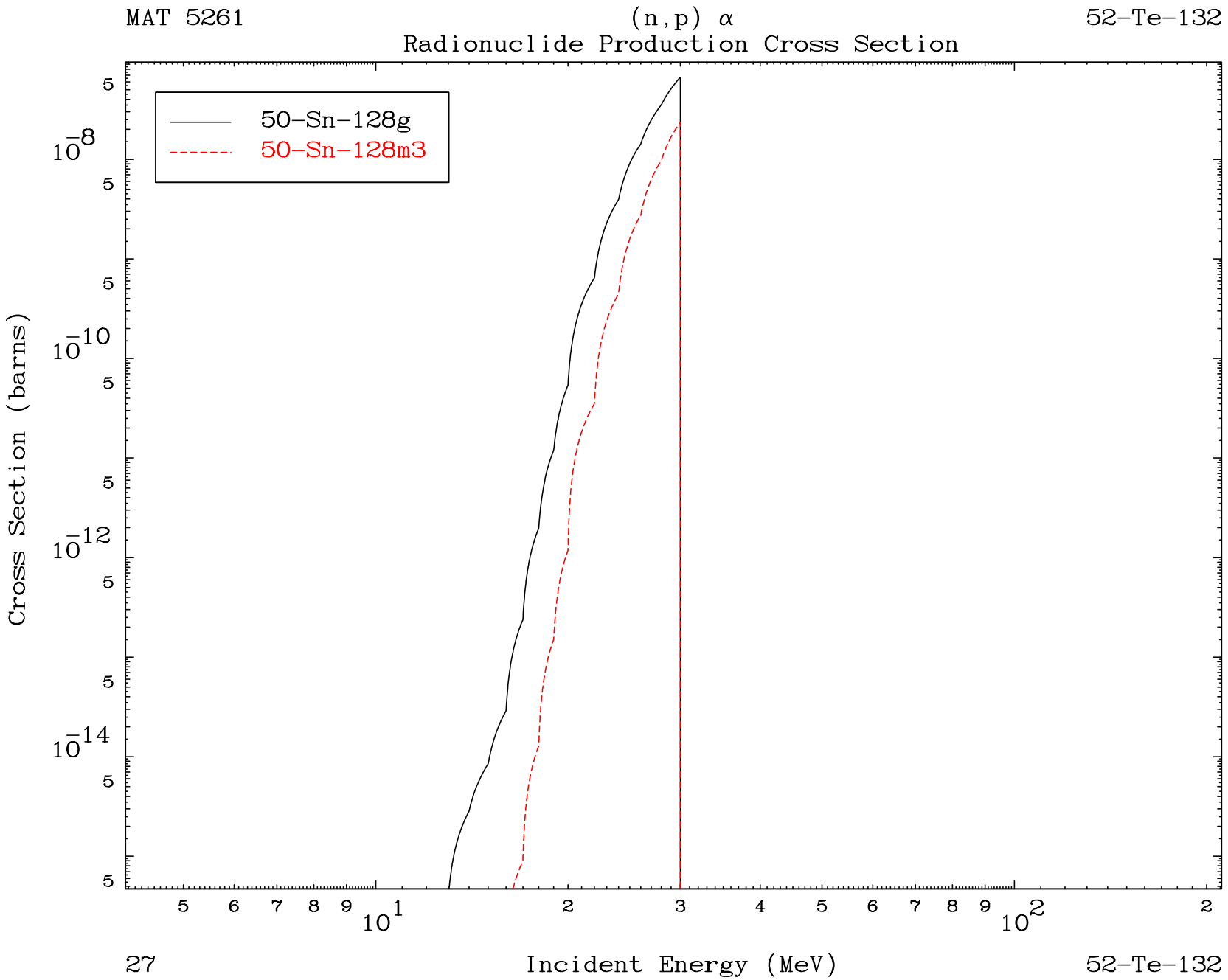

MAT 5261
(n,n') p α
52-Te-132
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
52-Te-132

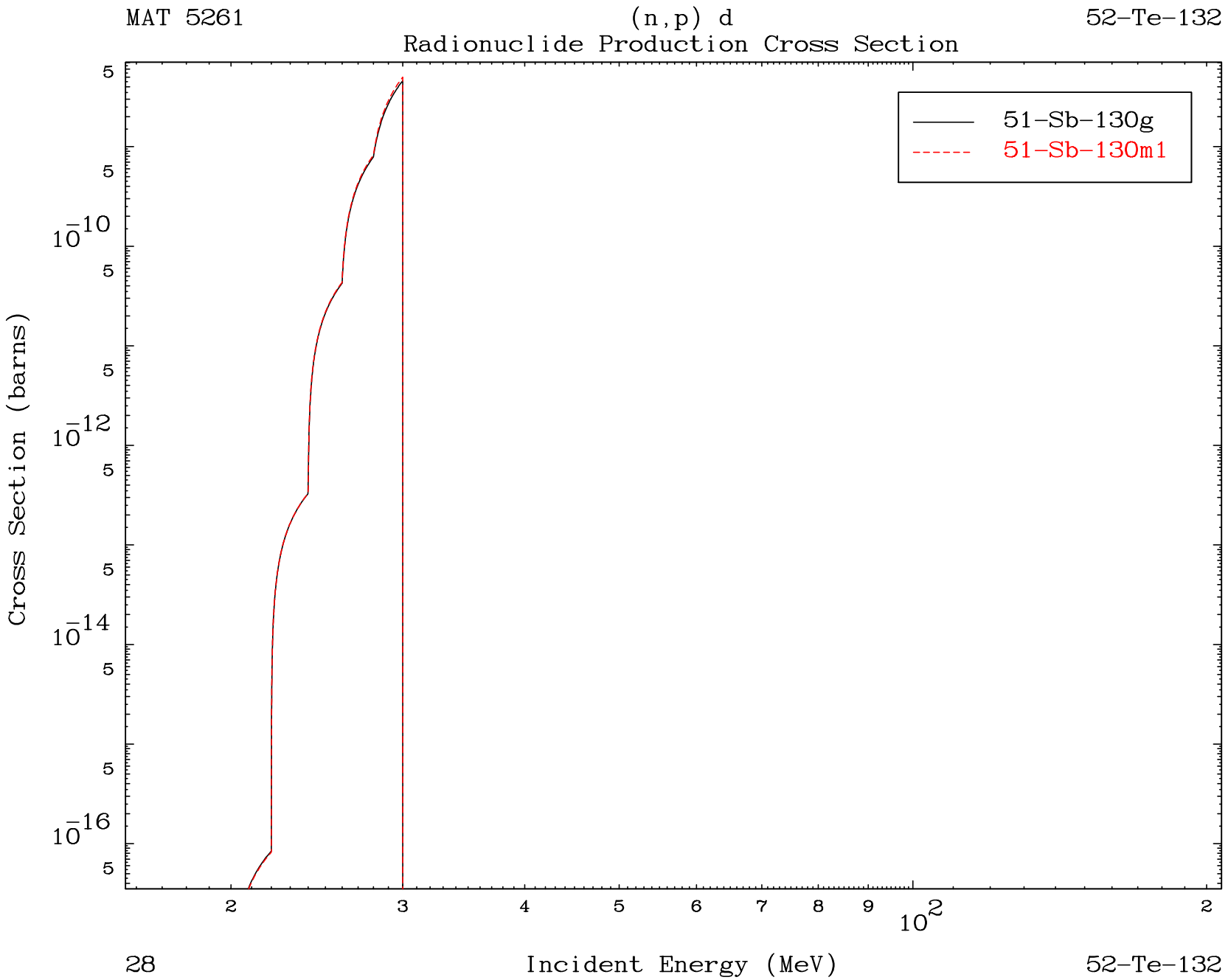

MAT 5261
(n,γ)
52-Te-132
Radionuclide Production Cross Section
53-I -133g
53-I -133m16
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
23
52-Te-132

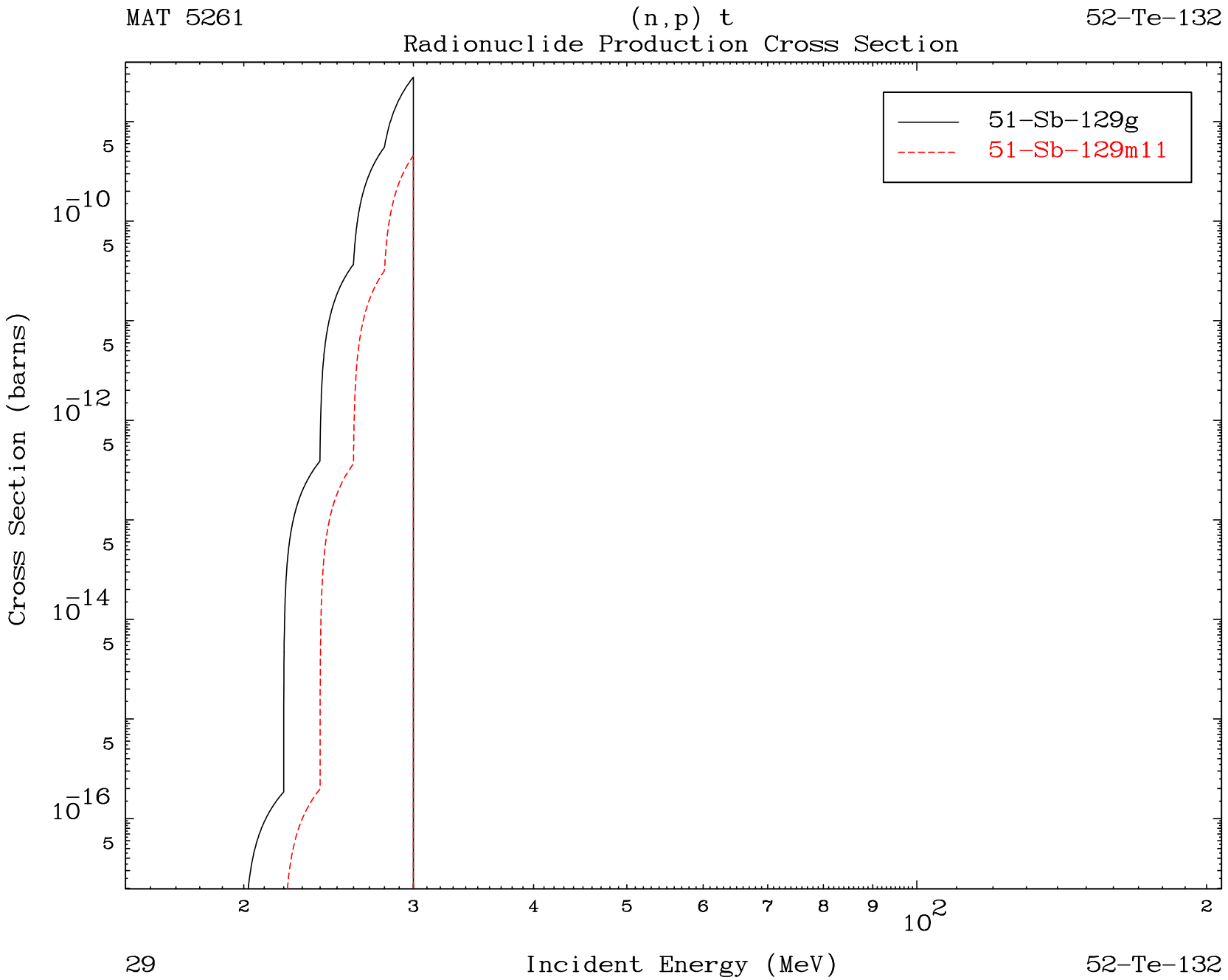

MAT 5261
(n,d)
52-Te-132
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
Incident Energy (MeV)
24
52-Te-132


MAT 5261
(n,He-3)
52-Te-132
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
52-Te-132


MAT 5261
(n,α)
52-Te-132
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
26
52-Te-132


MAT 5261
(n,p) α
52-Te-132
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
27
52-Te-132


MAT 5261
(n,p) d
52-Te-132
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
28
52-Te-132


MAT 5261
(n,p) t
52-Te-132
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
52-Te-132