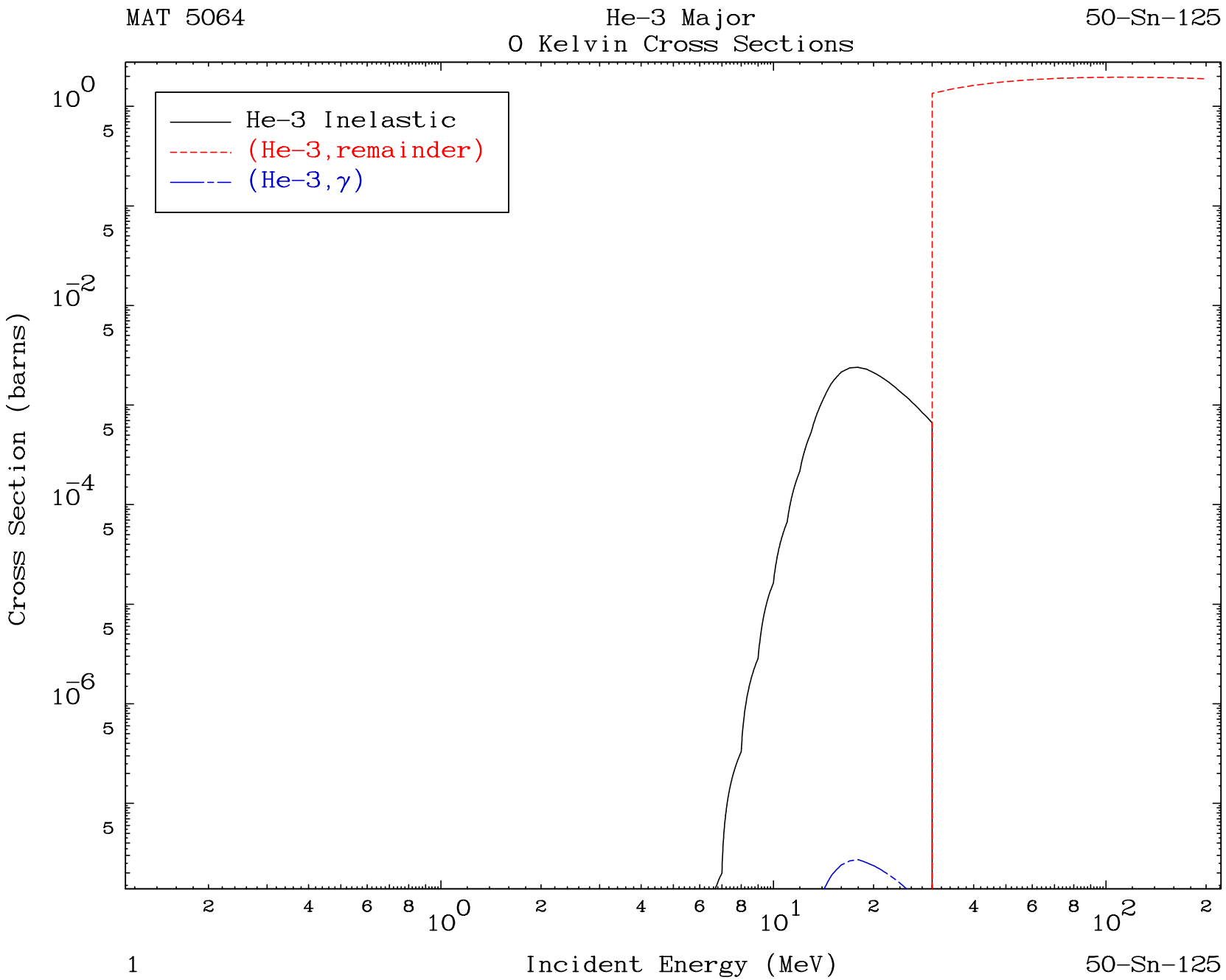
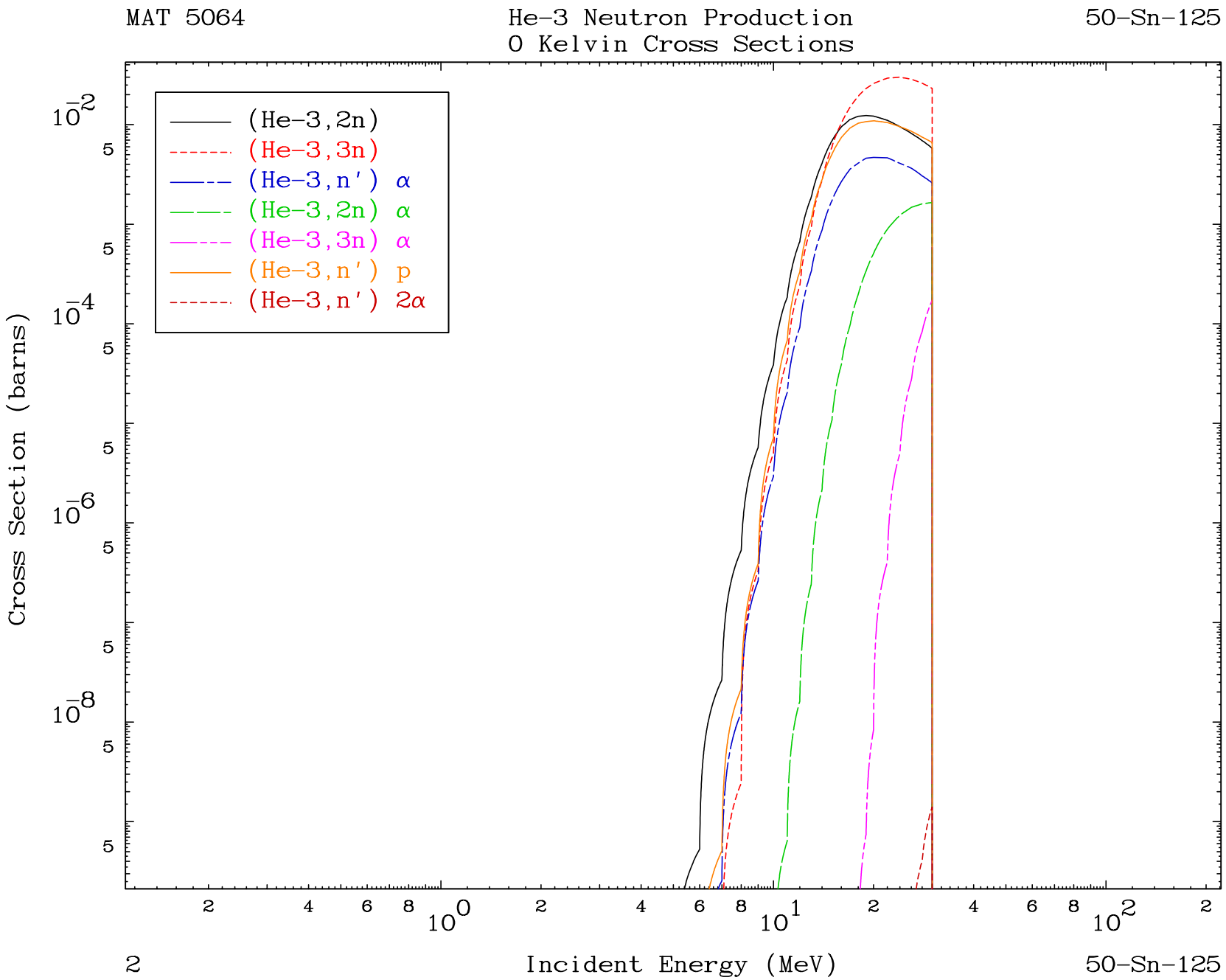
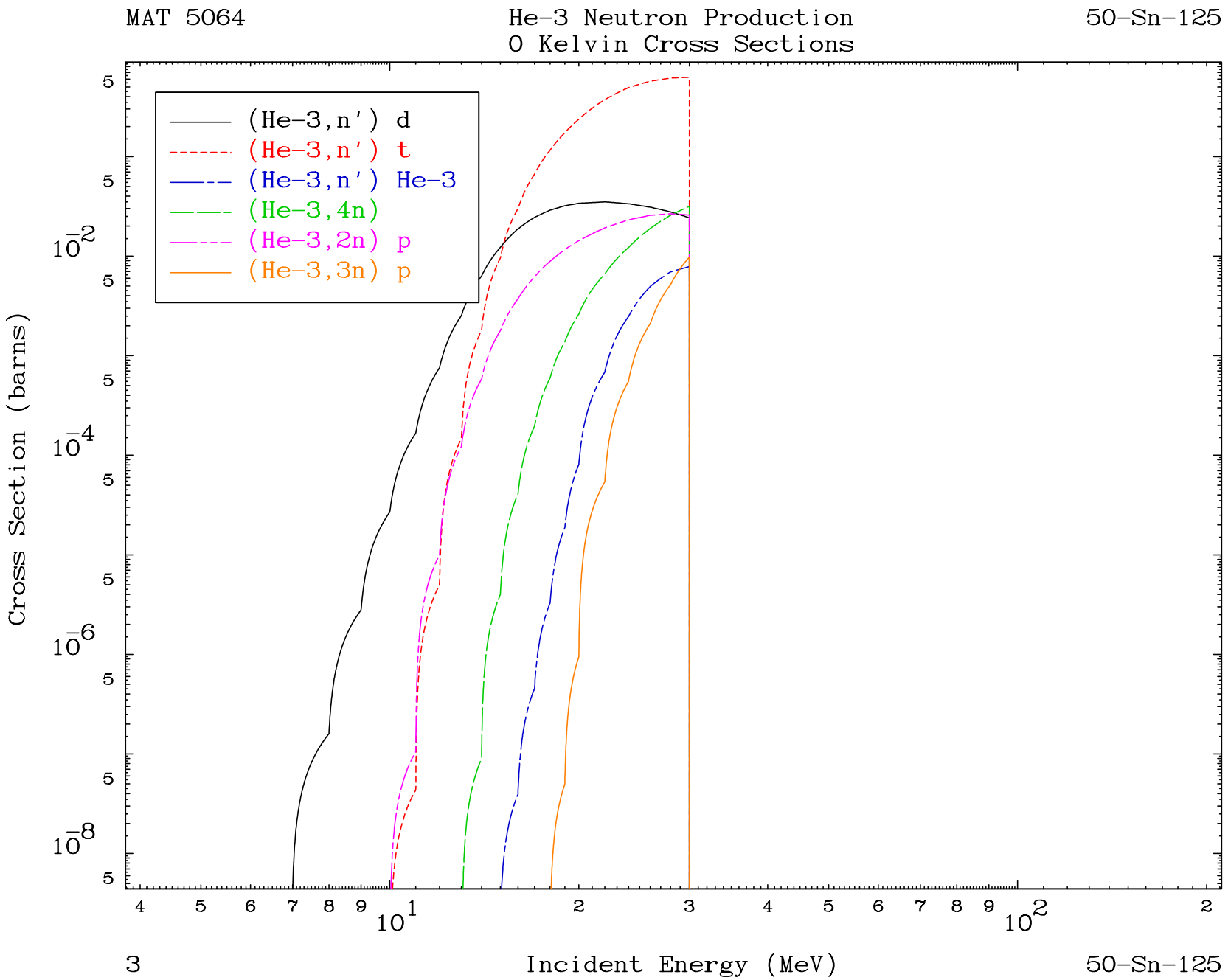
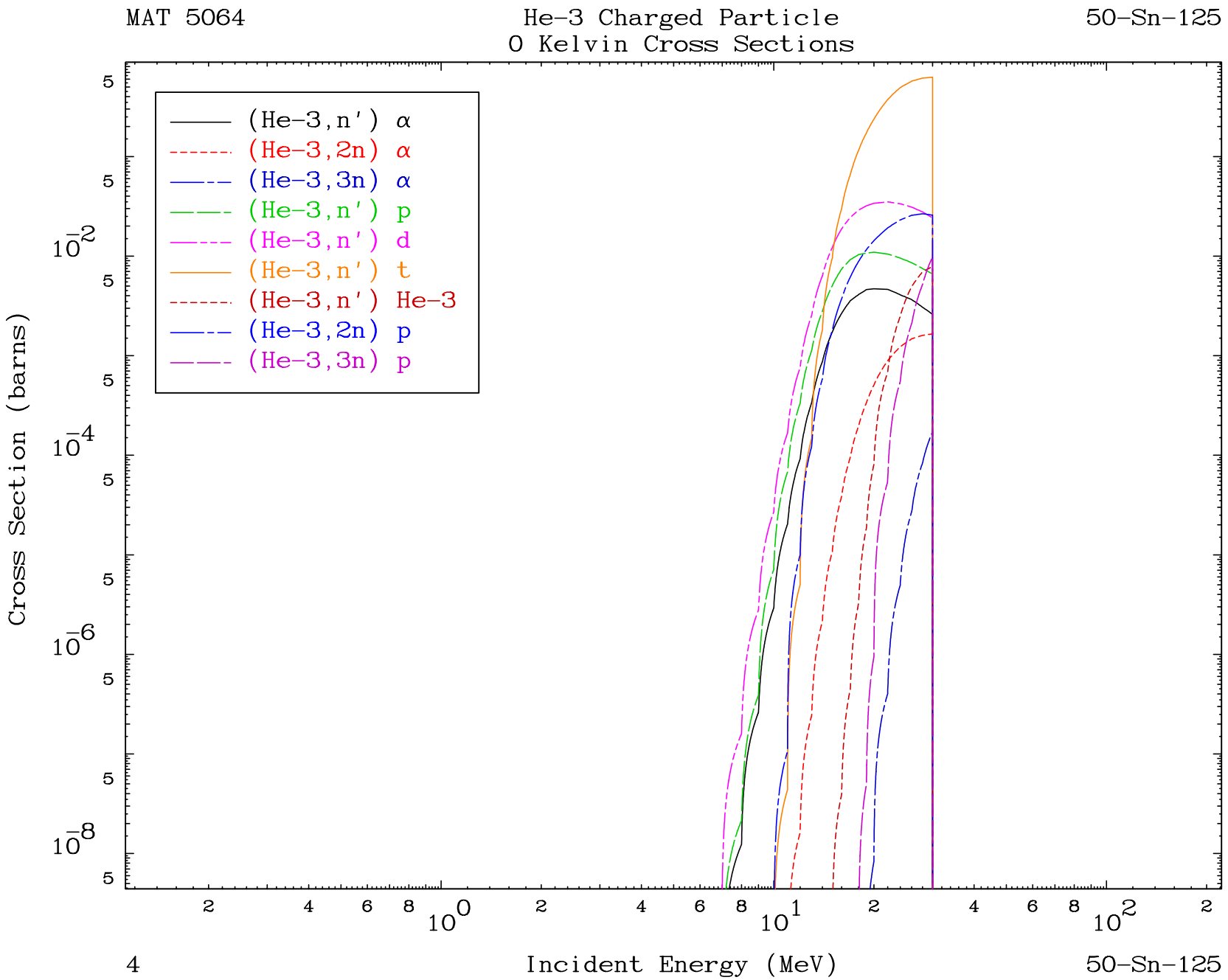
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

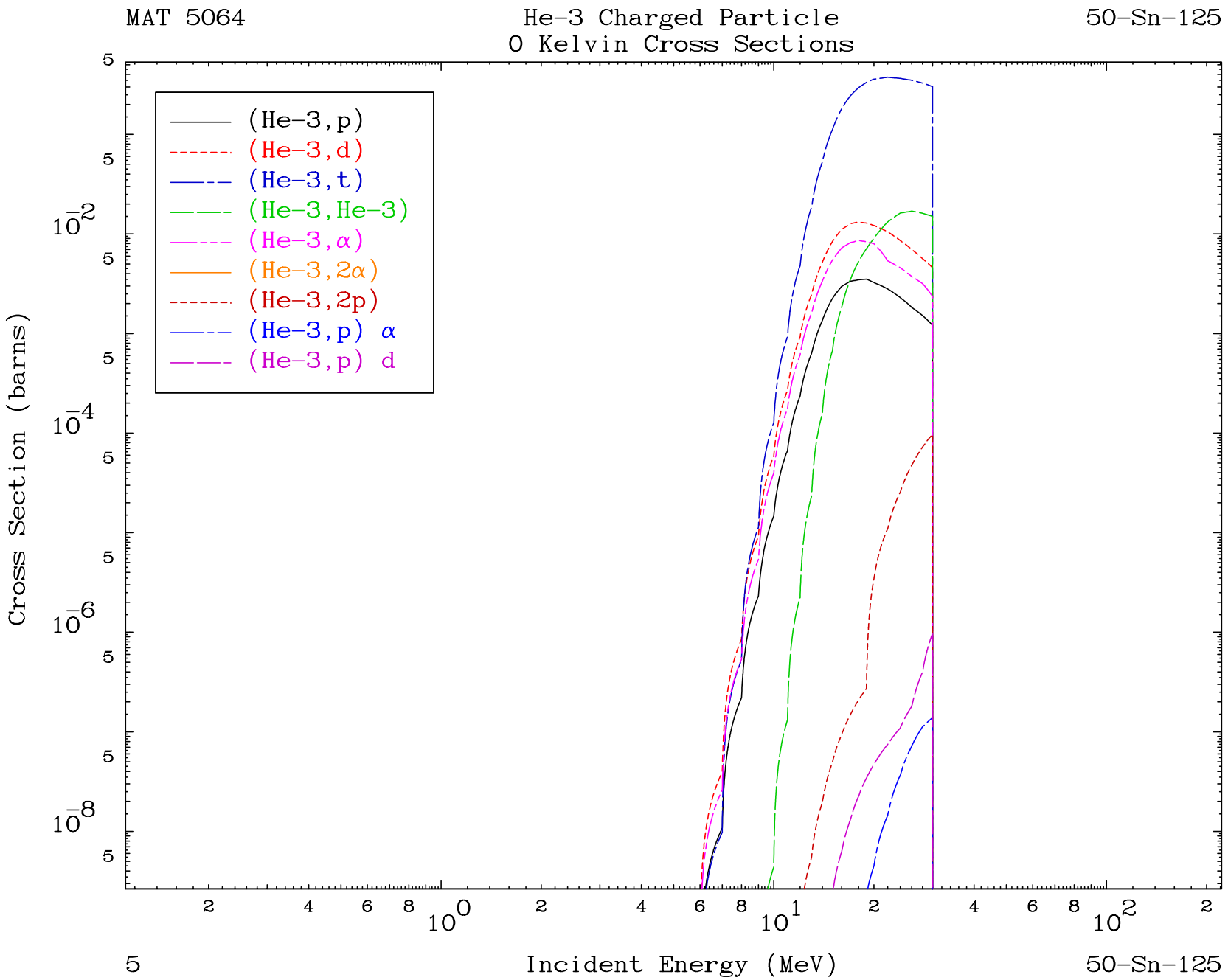
Press Mouse Button to Start

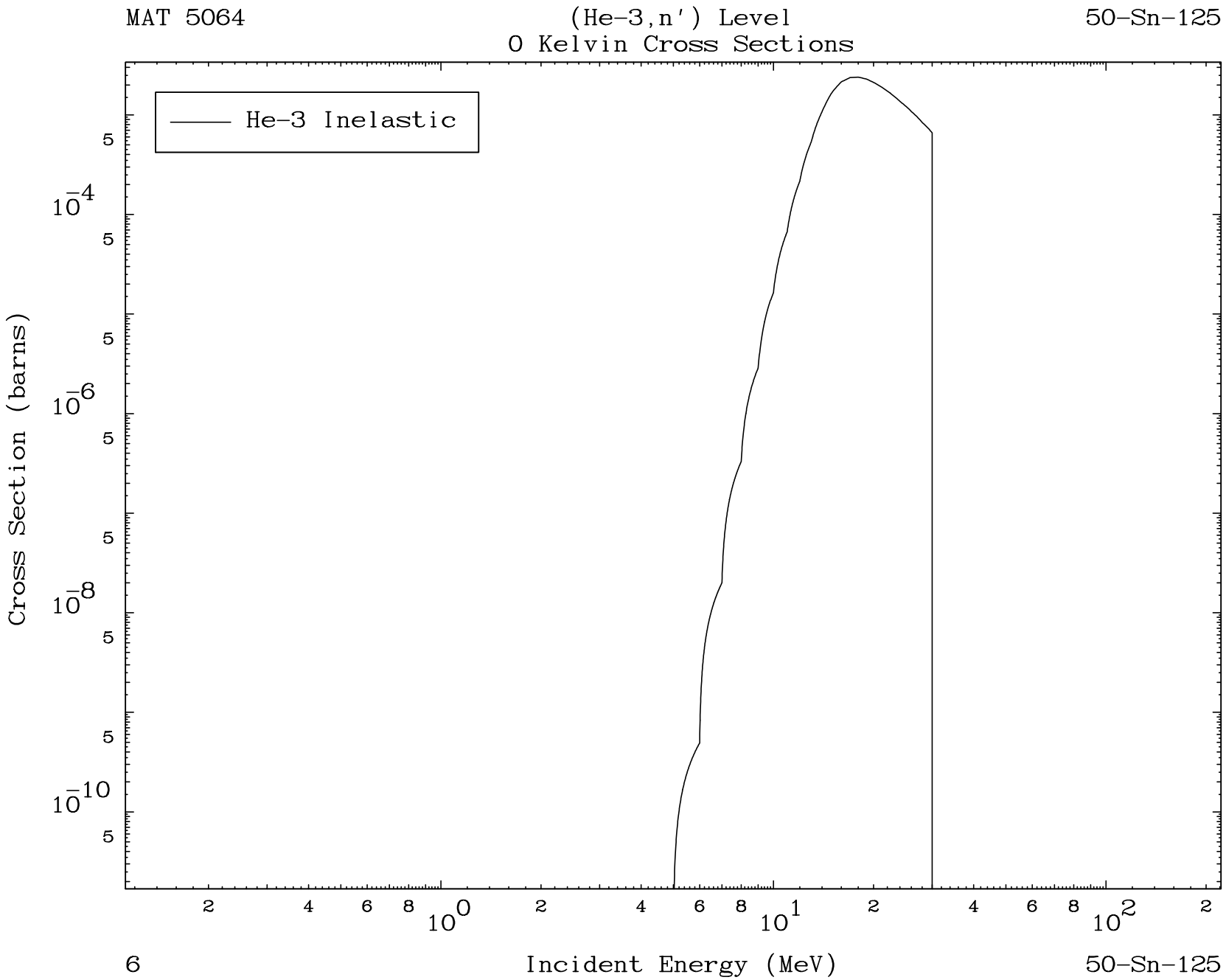

MAT 5064
He-3 Major
50-Sn-125
0 Kelvin Cross Sections
He-3 Inelastic
(He-3,remainder)
(He-3,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
1

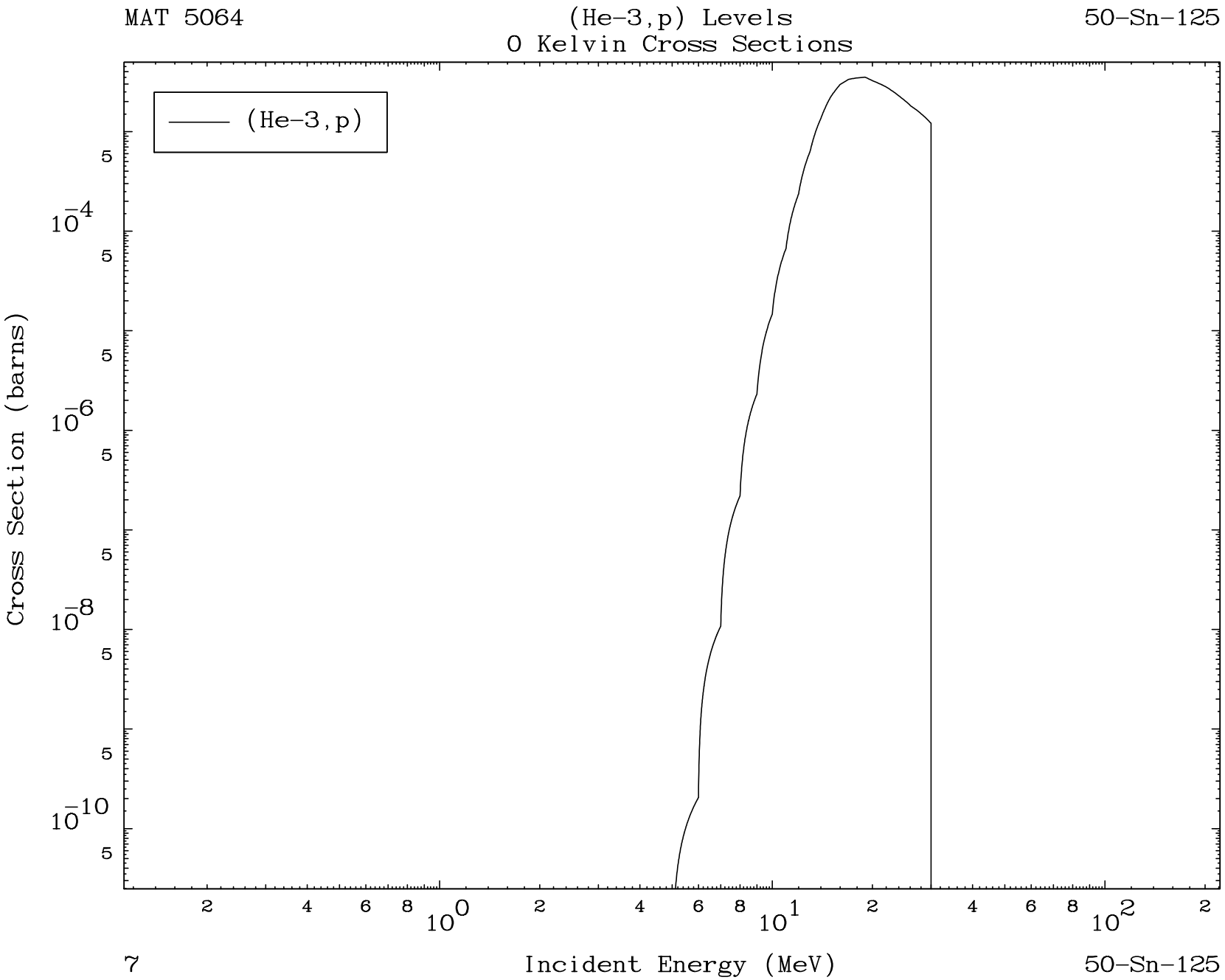

MAT 5064
He-3 Neutron Production
0 Kelvin Cross Sections
50-Sn-125
(He-3,2n)
(He-3,3n)
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') 2α
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
2

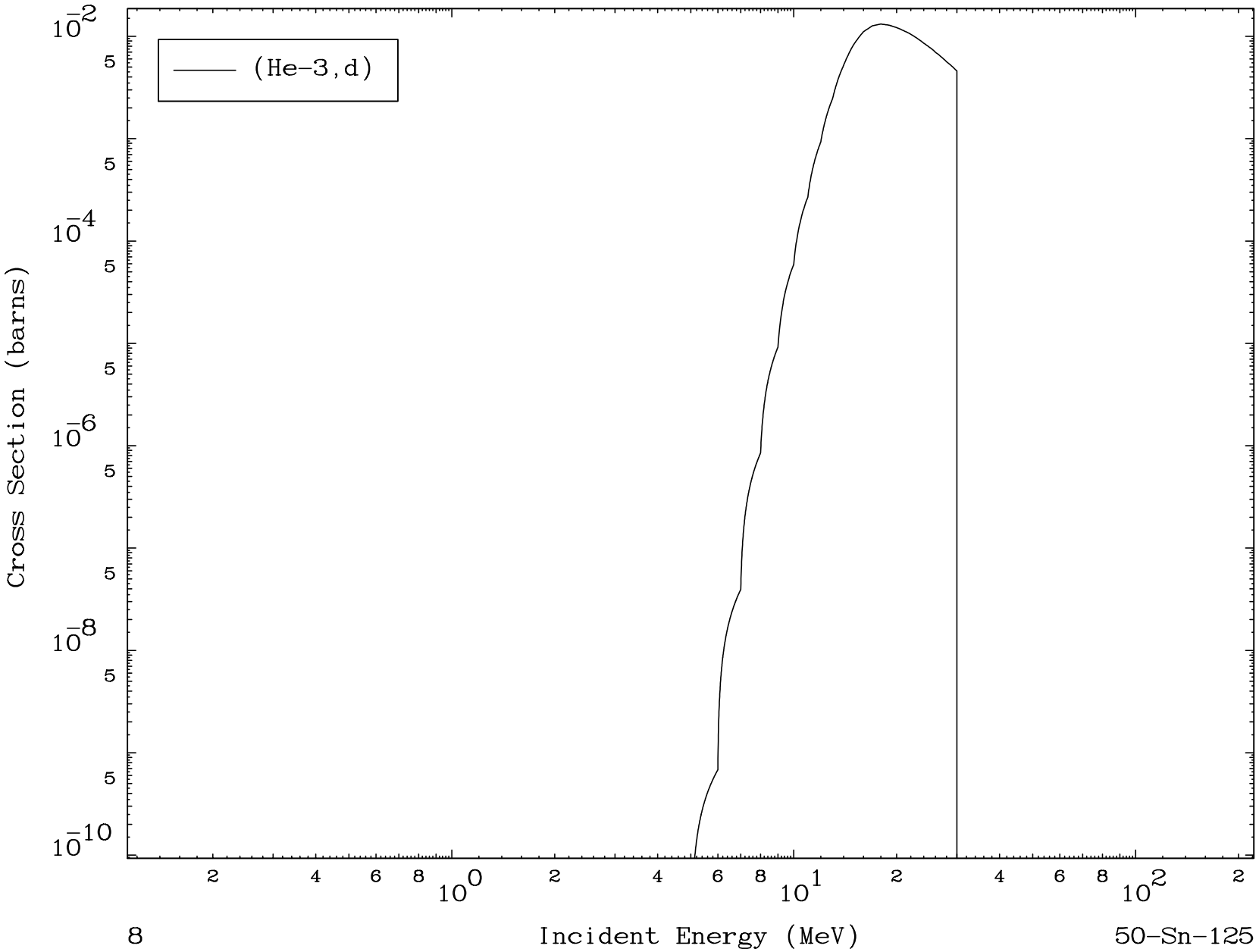

MAT 5064
He-3 Neutron Production
0 Kelvin Cross Sections
50-Sn-125
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,4n)
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-125

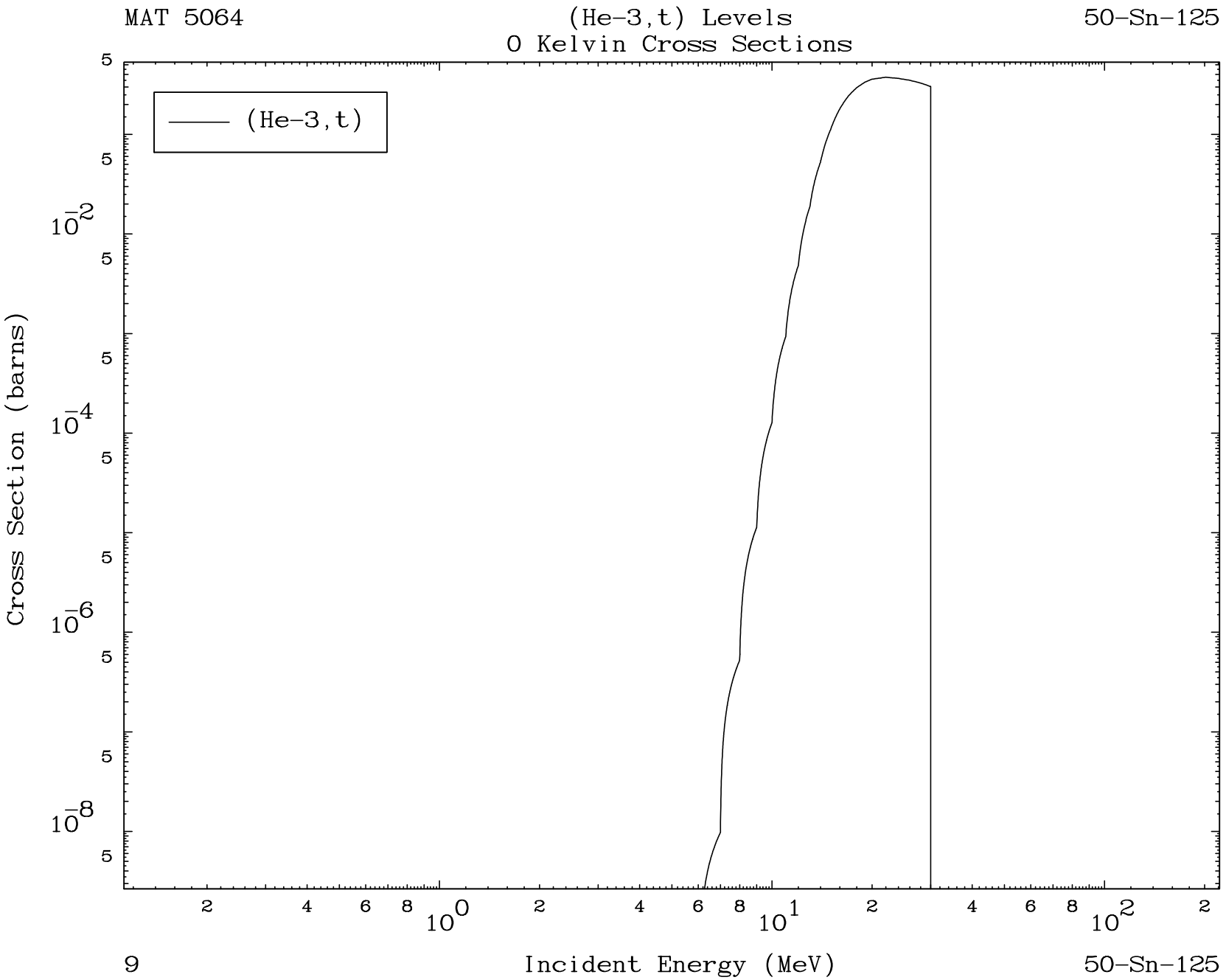

MAT 5064
He-3 Charged Particle
0 Kelvin Cross Sections
50-Sn-125
(He-3,n') α
(He-3,2n) α
(He-3,3n) α
(He-3,n') p
(He-3,n') d
(He-3,n') t
(He-3,n') He-3
(He-3,2n) p
(He-3,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-125

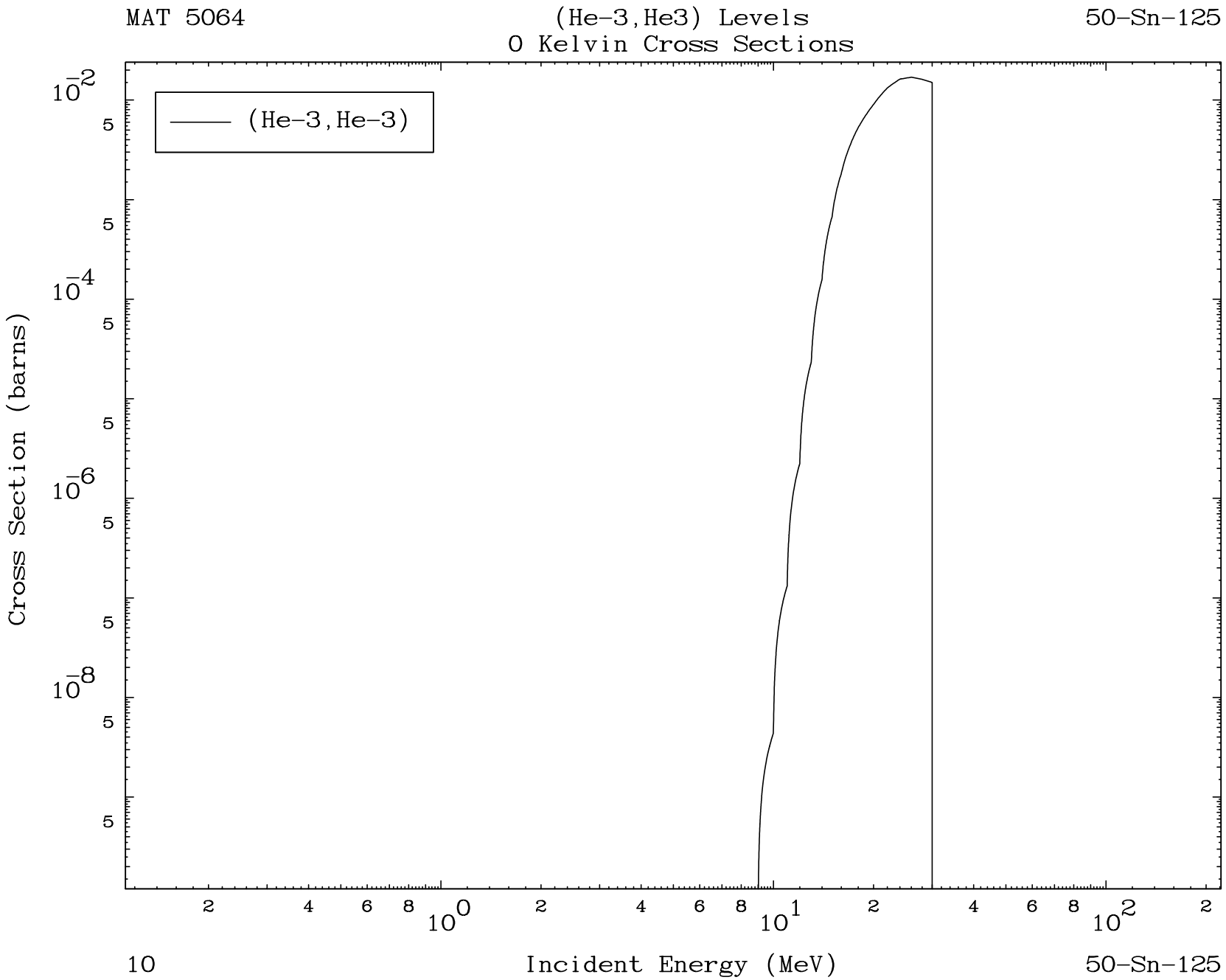

MAT 5064
He-3 Charged Particle
0 Kelvin Cross Sections
50-Sn-125
(He-3,p)
(He-3,d)
(He-3,t)
(He-3,He-3)
(He-3,α)
(He-3,2α)
(He-3,2p)
(He-3,p) α
(He-3,p) d
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125

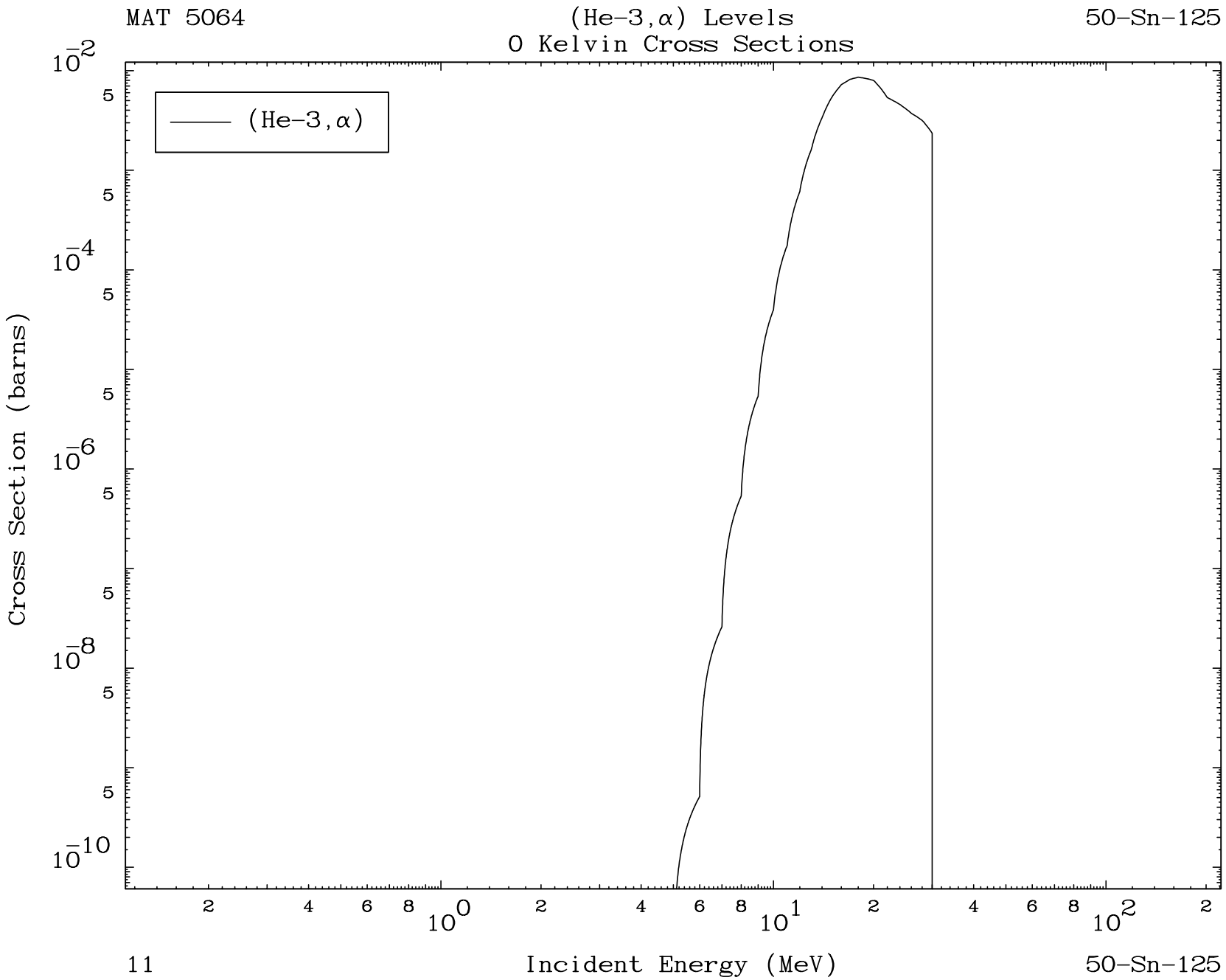

MAT 5064
(He-3,n') Level
50-Sn-125
0 Kelvin Cross Sections
He-3 Inelastic
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
6
50-Sn-125

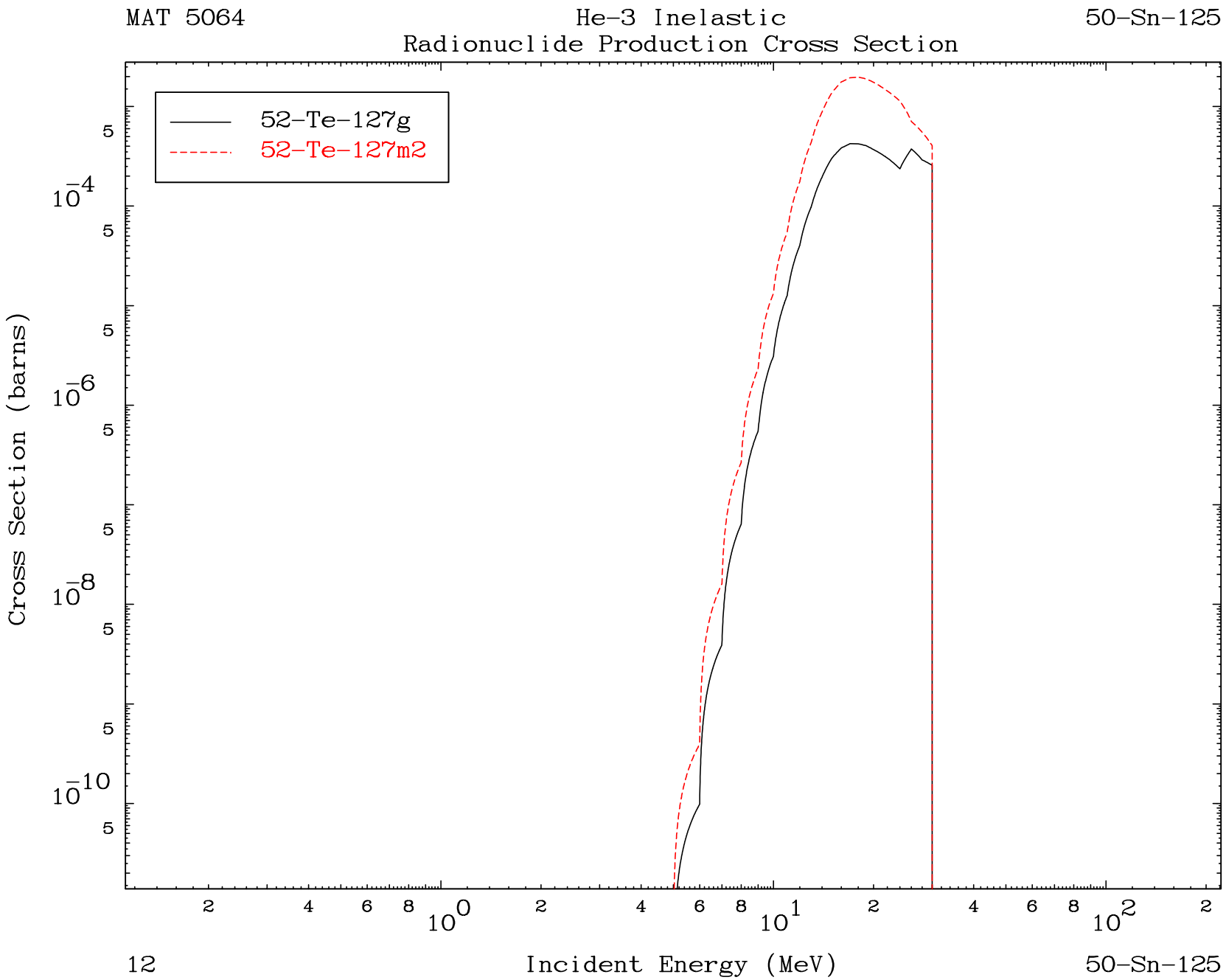

MAT 5064
(He-3,p) Levels
50-Sn-125
0 Kelvin Cross Sections
(He-3,p)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-125

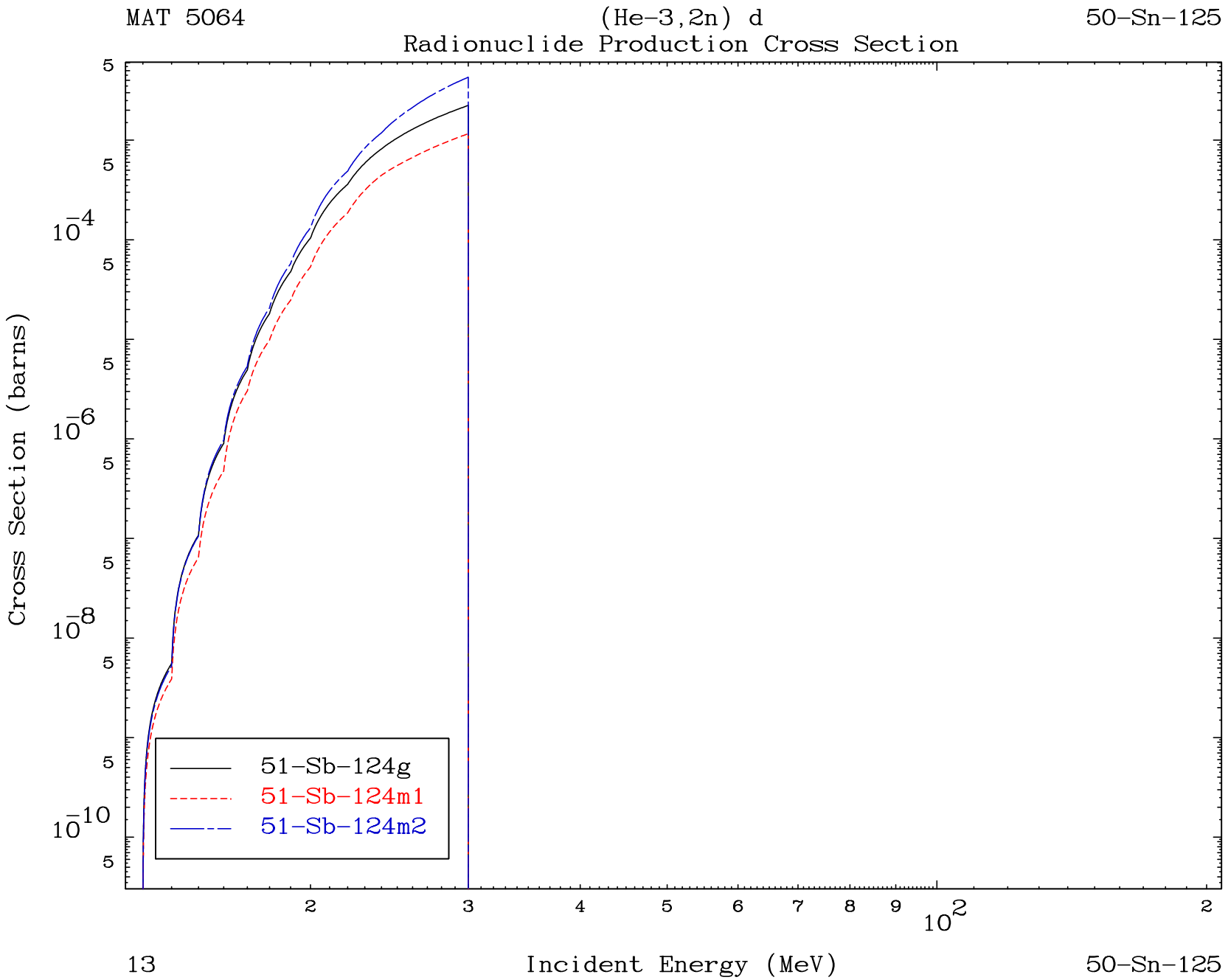

0 Kelvin Cross Sections
(He-3,d)
Cross Section (barns)
Incident Energy (MeV)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2

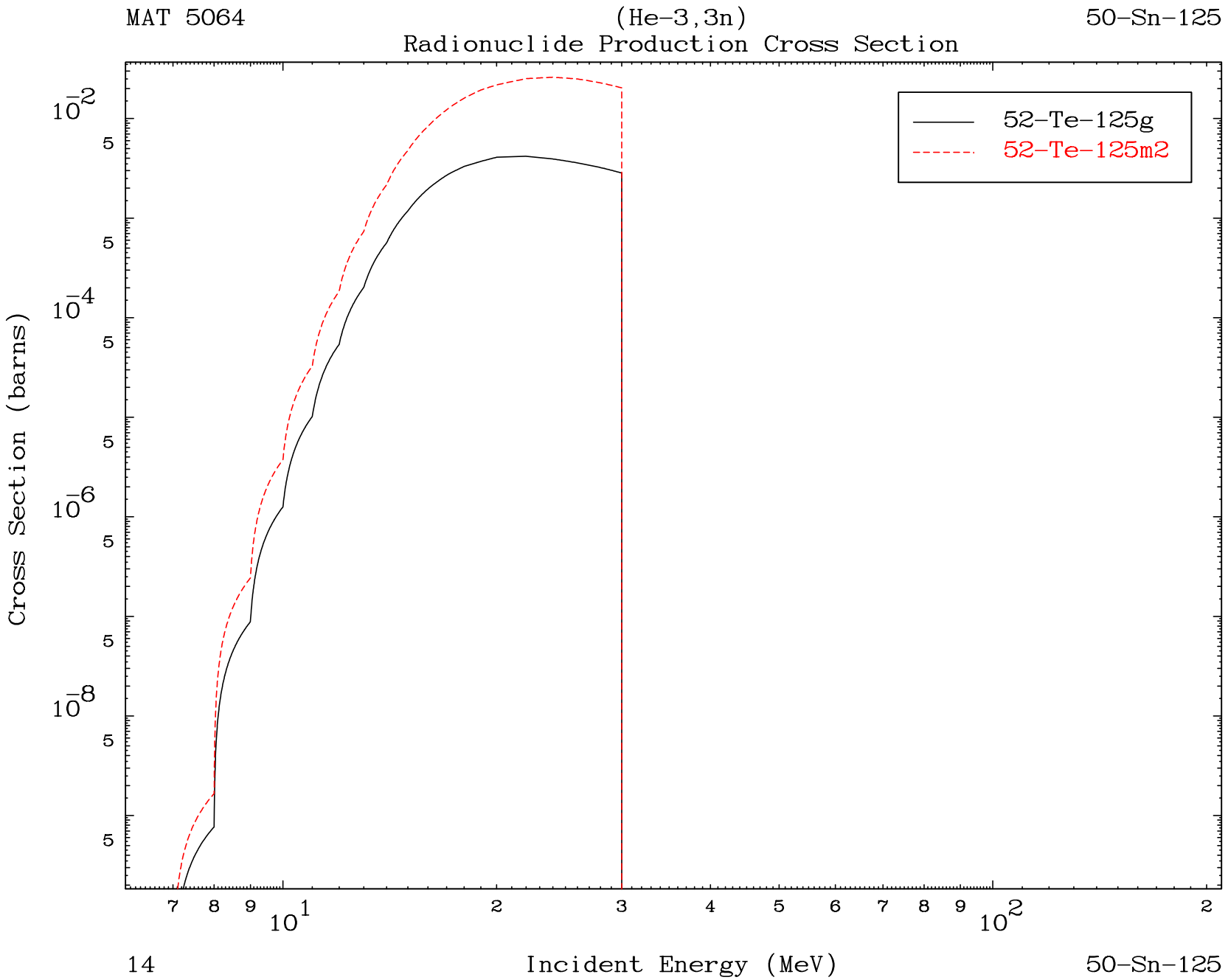

MAT 5064
(He-3,t) Levels
50-Sn-125
0 Kelvin Cross Sections
(He-3,t)
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-125

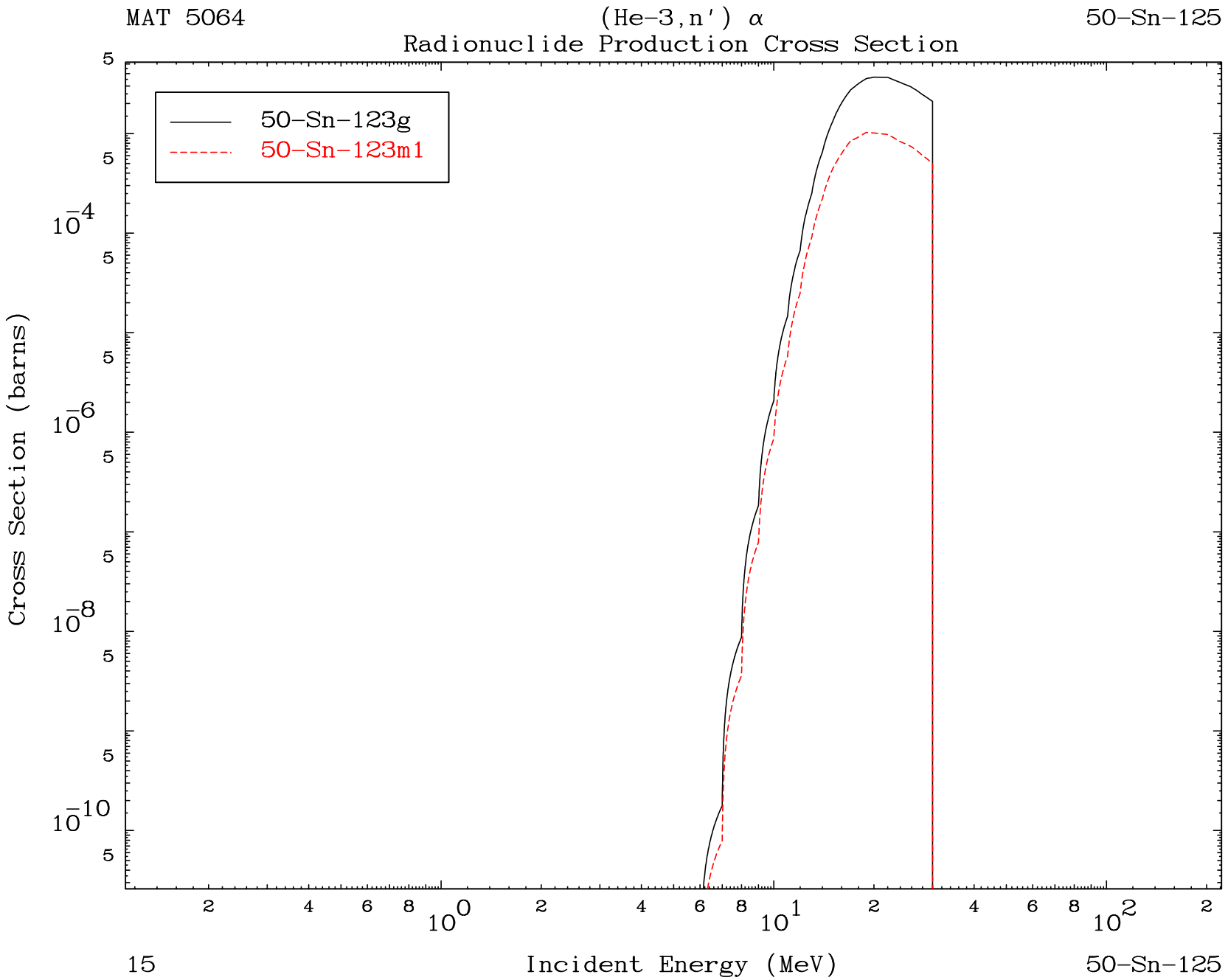

MAT 5064
(He-3,He3) Levels
50-Sn-125
0 Kelvin Cross Sections
(He-3,He-3)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
10

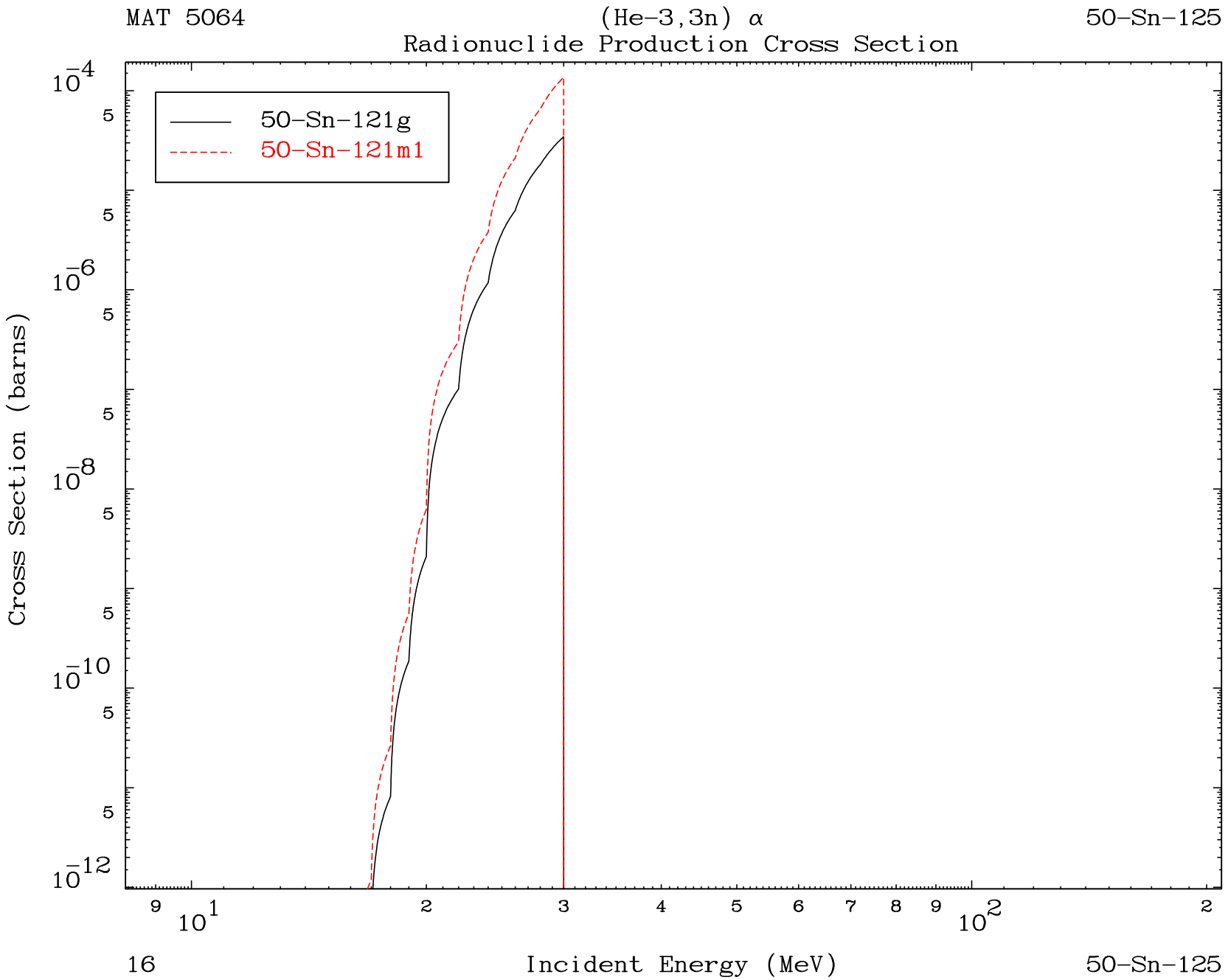

MAT 5064
(He-3,α) Levels
50-Sn-125
0 Kelvin Cross Sections
(He-3,α)
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-125

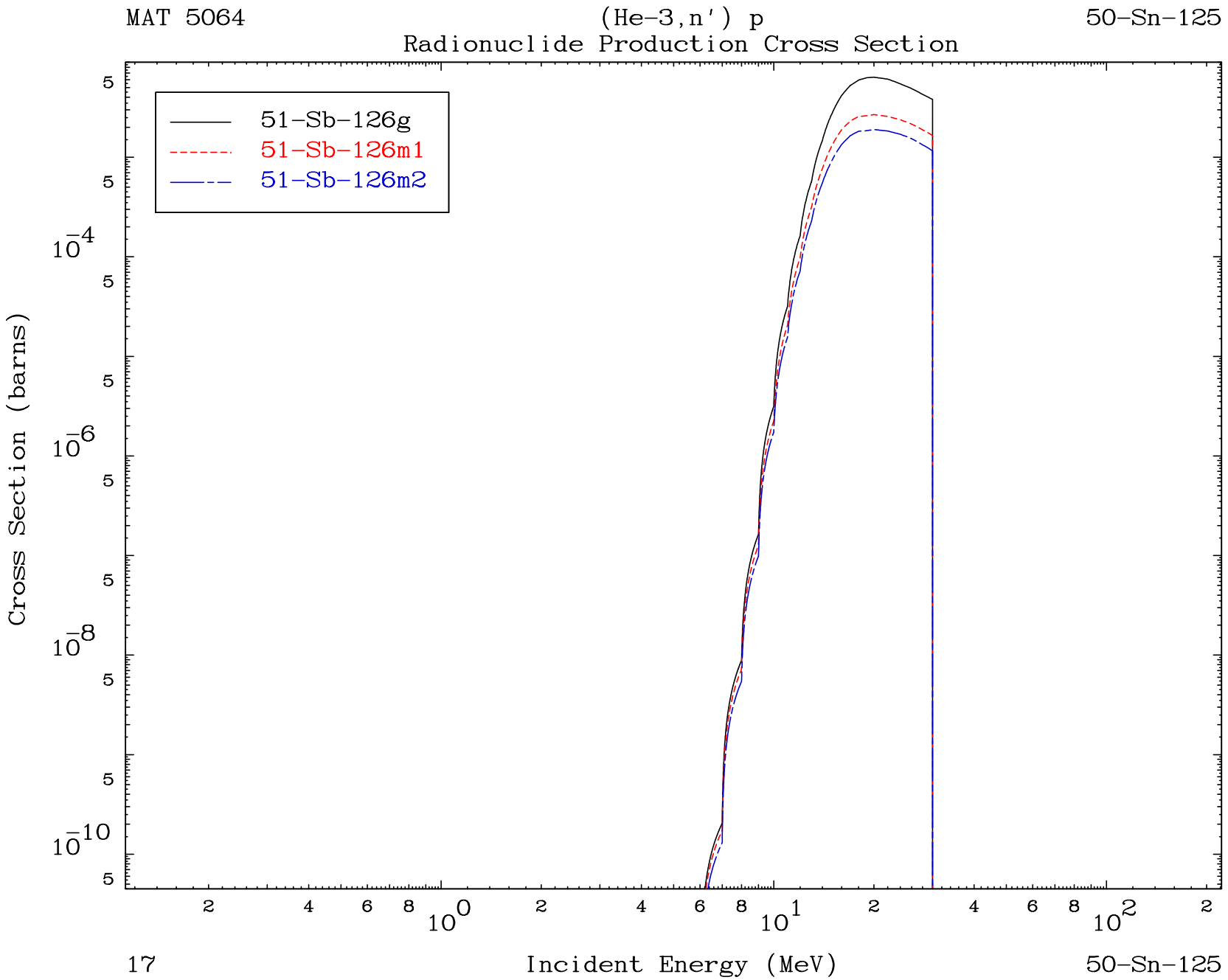

MAT 5064
He-3 Inelastic
50-Sn-125
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-125

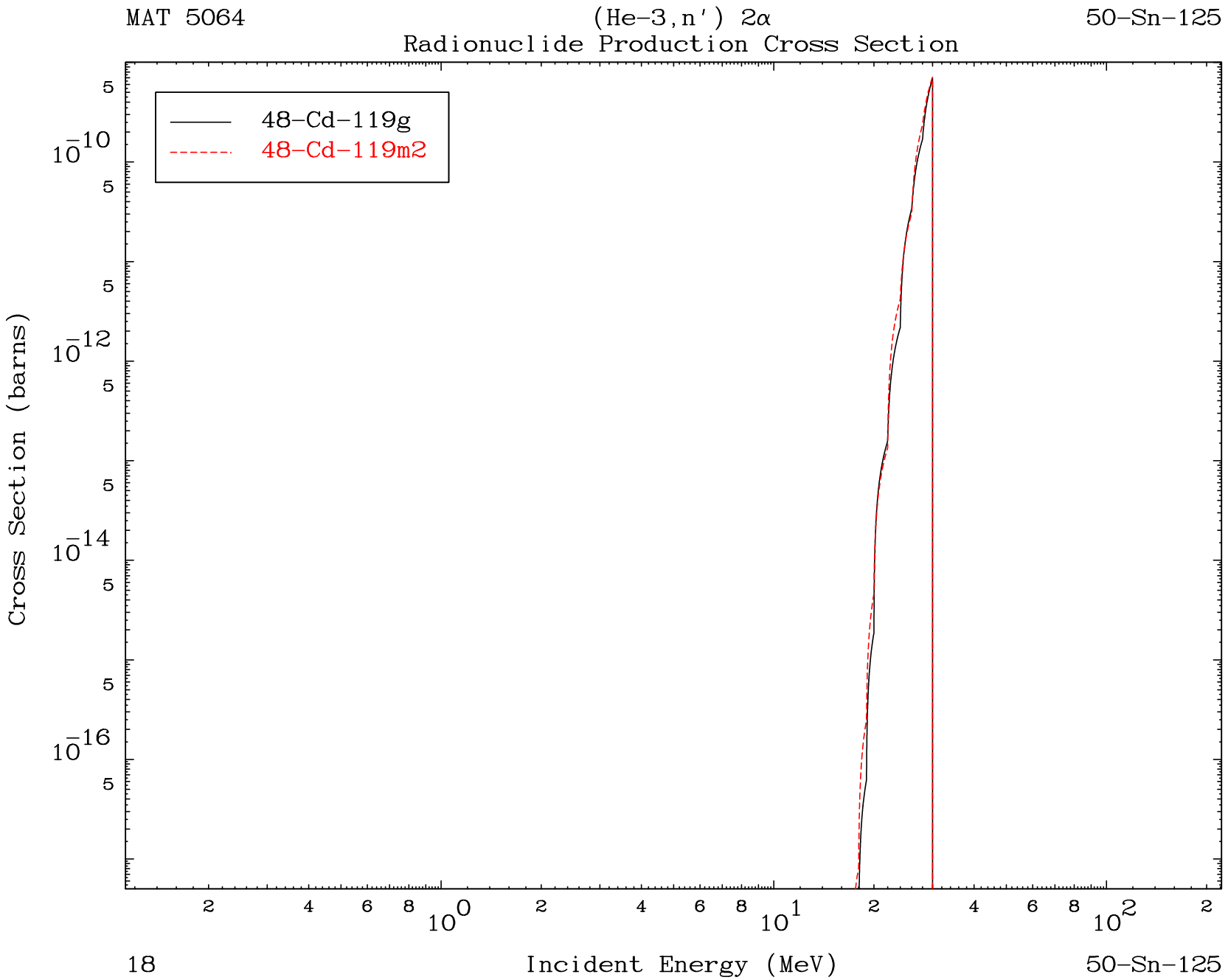

MAT 5064
(He-3,2n) d
50-Sn-125
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
50-Sn-125

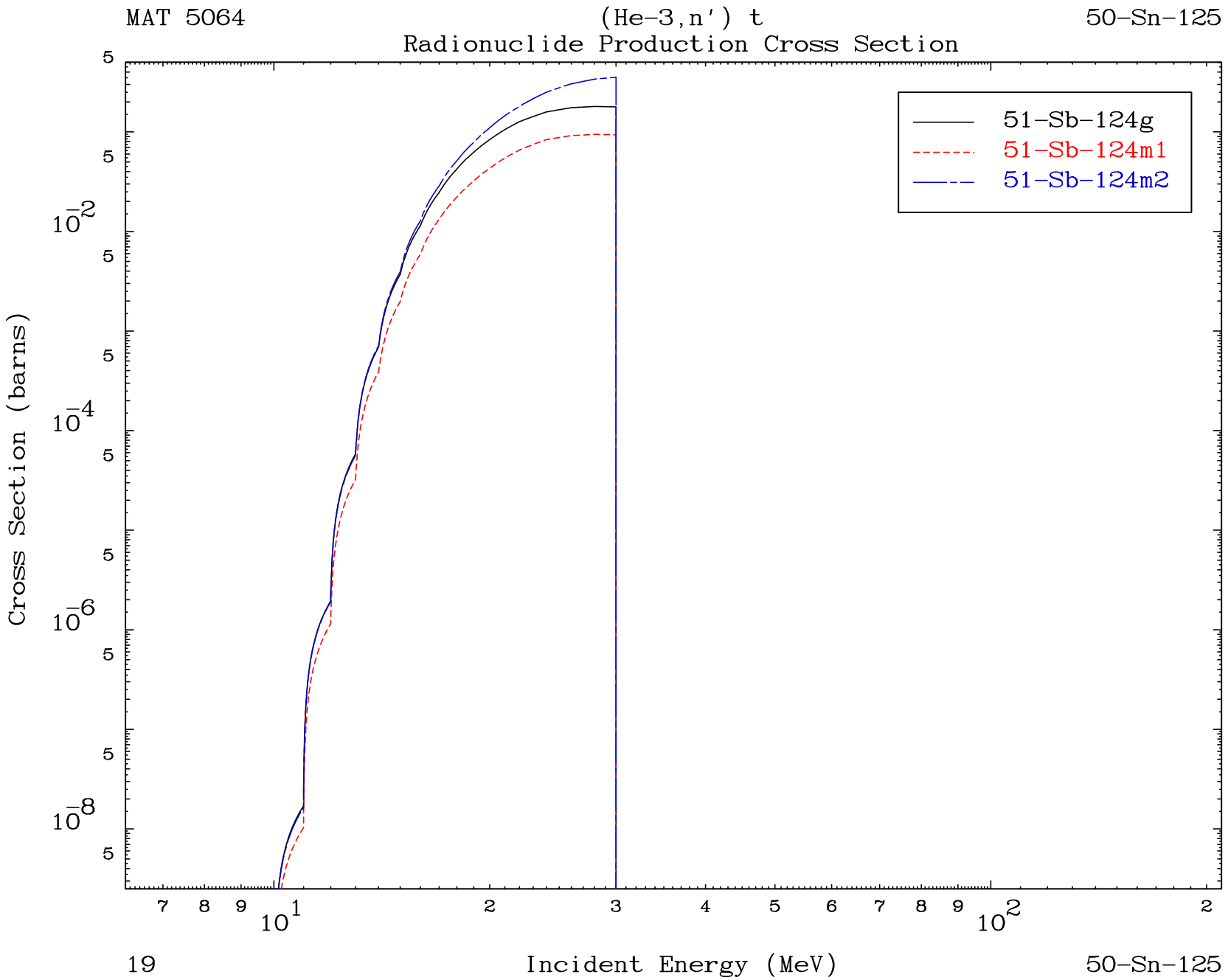

MAT 5064
(He-3,3n)
50-Sn-125
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-125

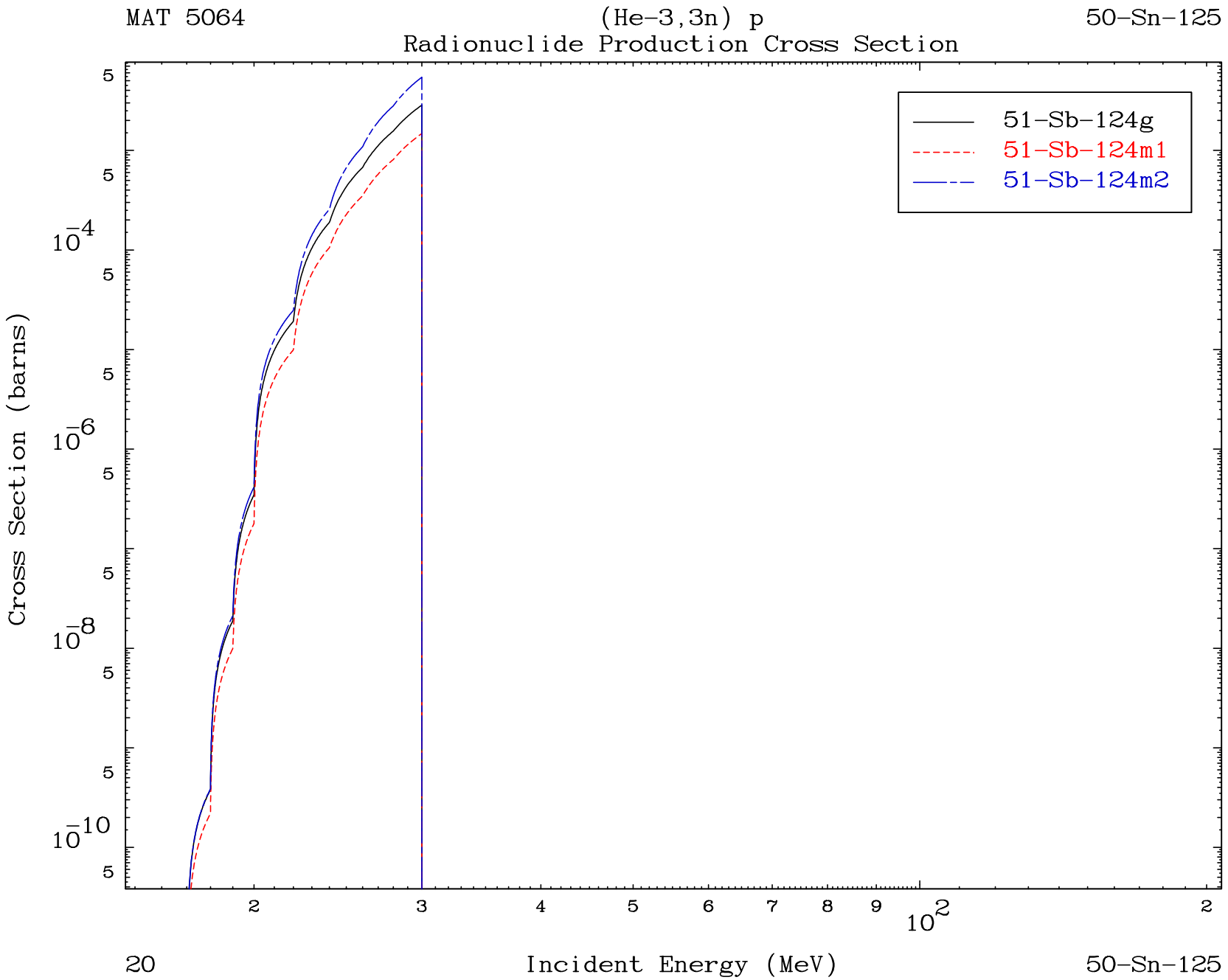

MAT 5064
(He-3,n') α
50-Sn-125
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-125

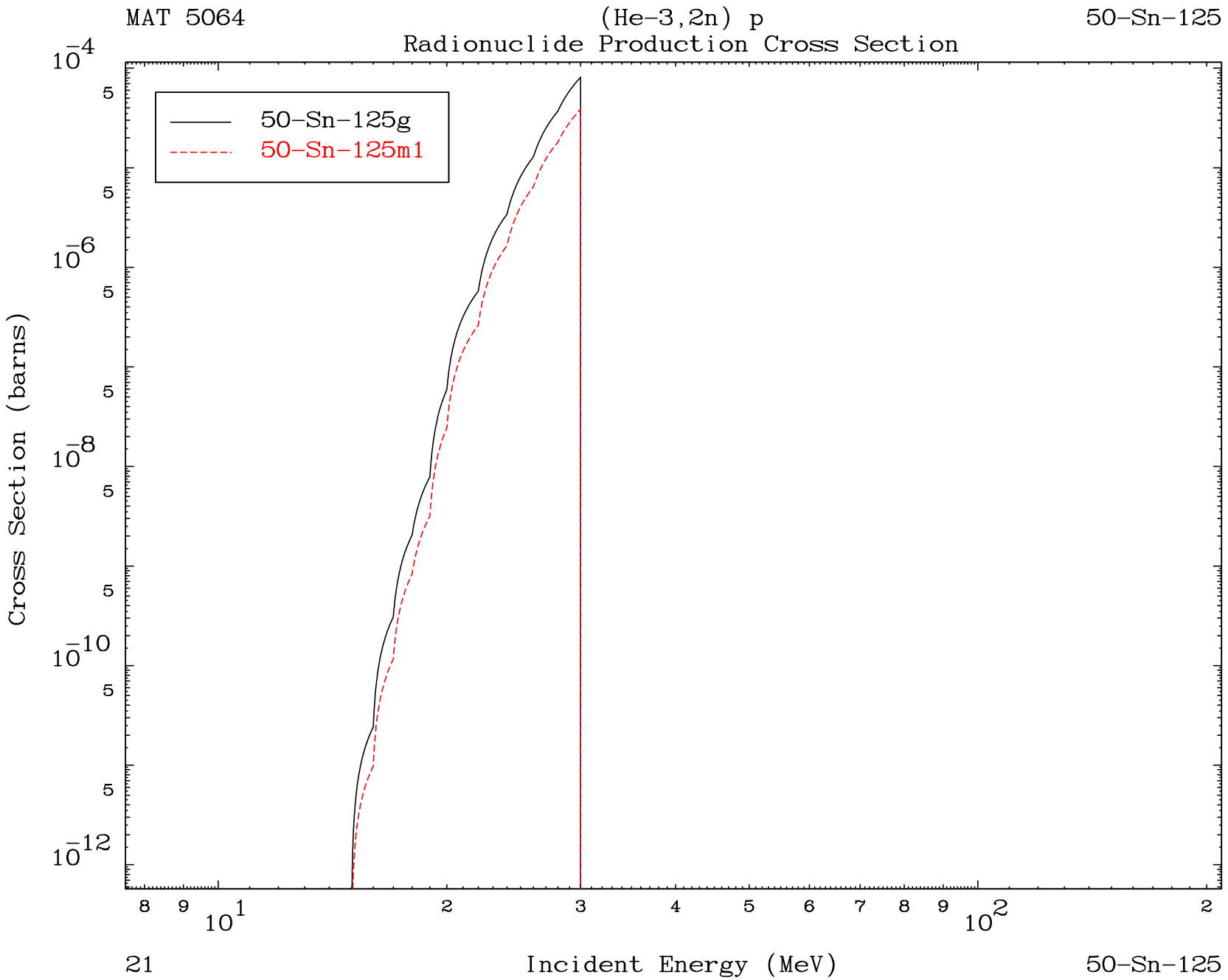

MAT 5064
(He-3,3n) α
50-Sn-125
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-125

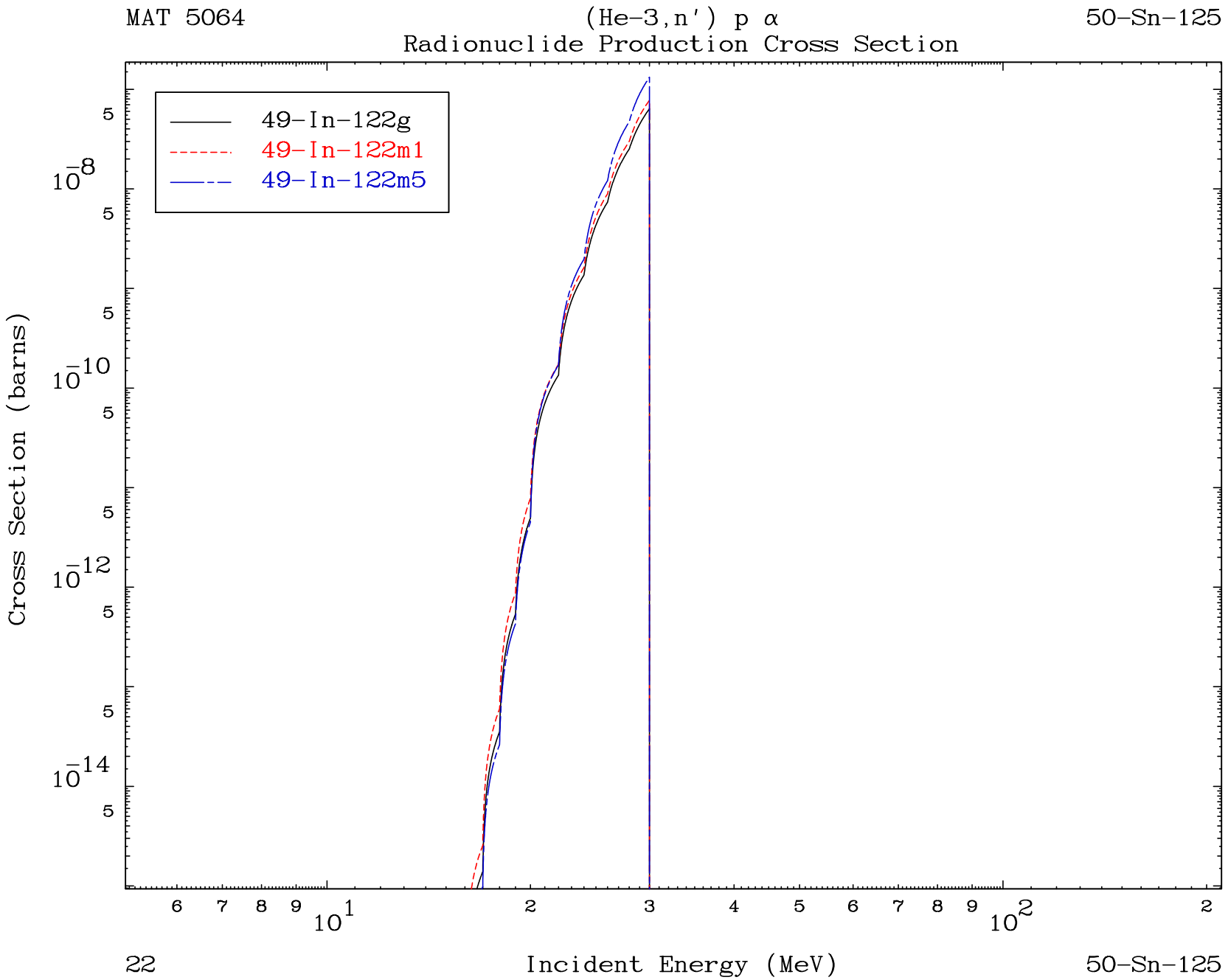

MAT 5064
(He-3,n') p
50-Sn-125
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-125

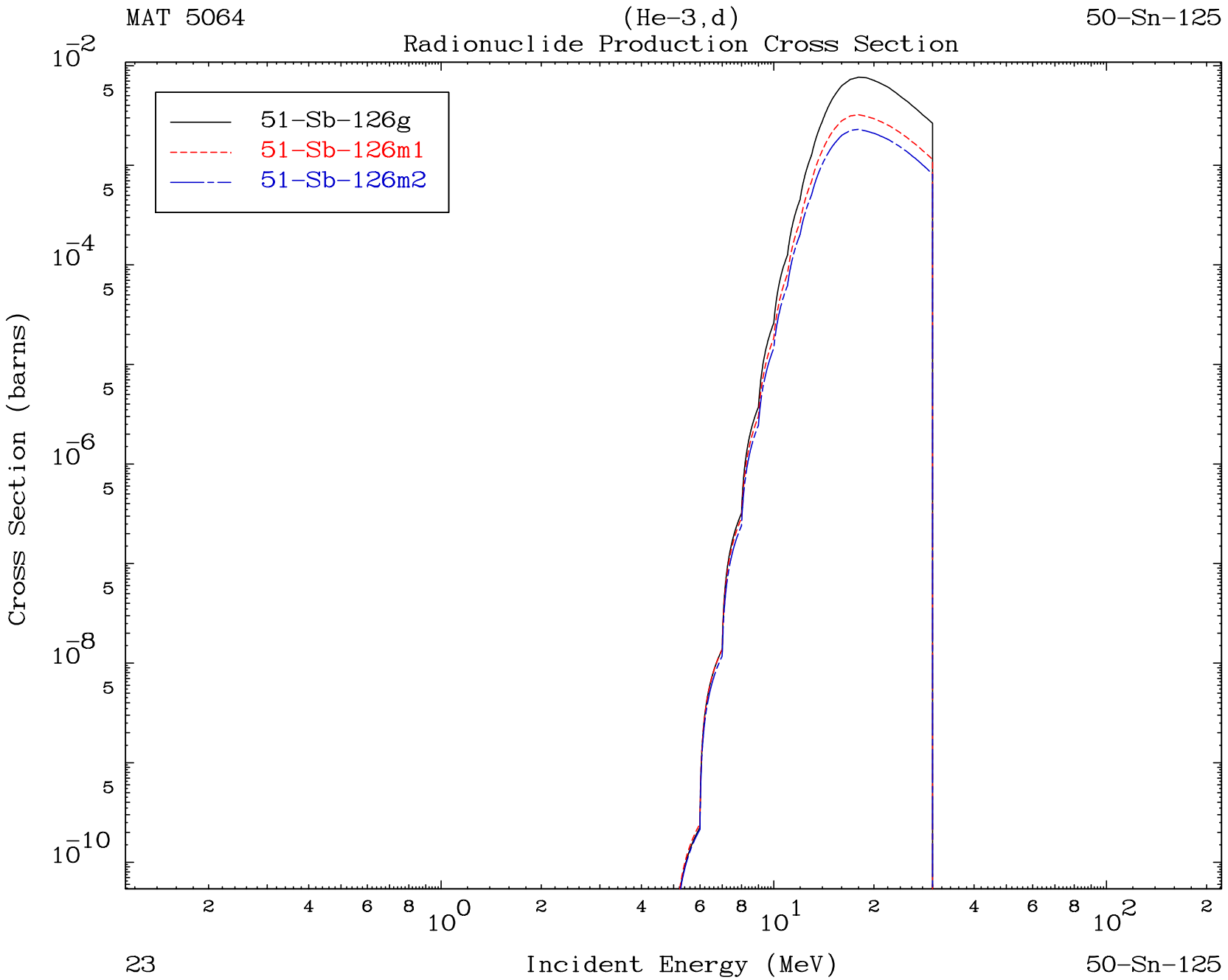

MAT 5064
(He-3,n') 2α
50-Sn-125
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-125

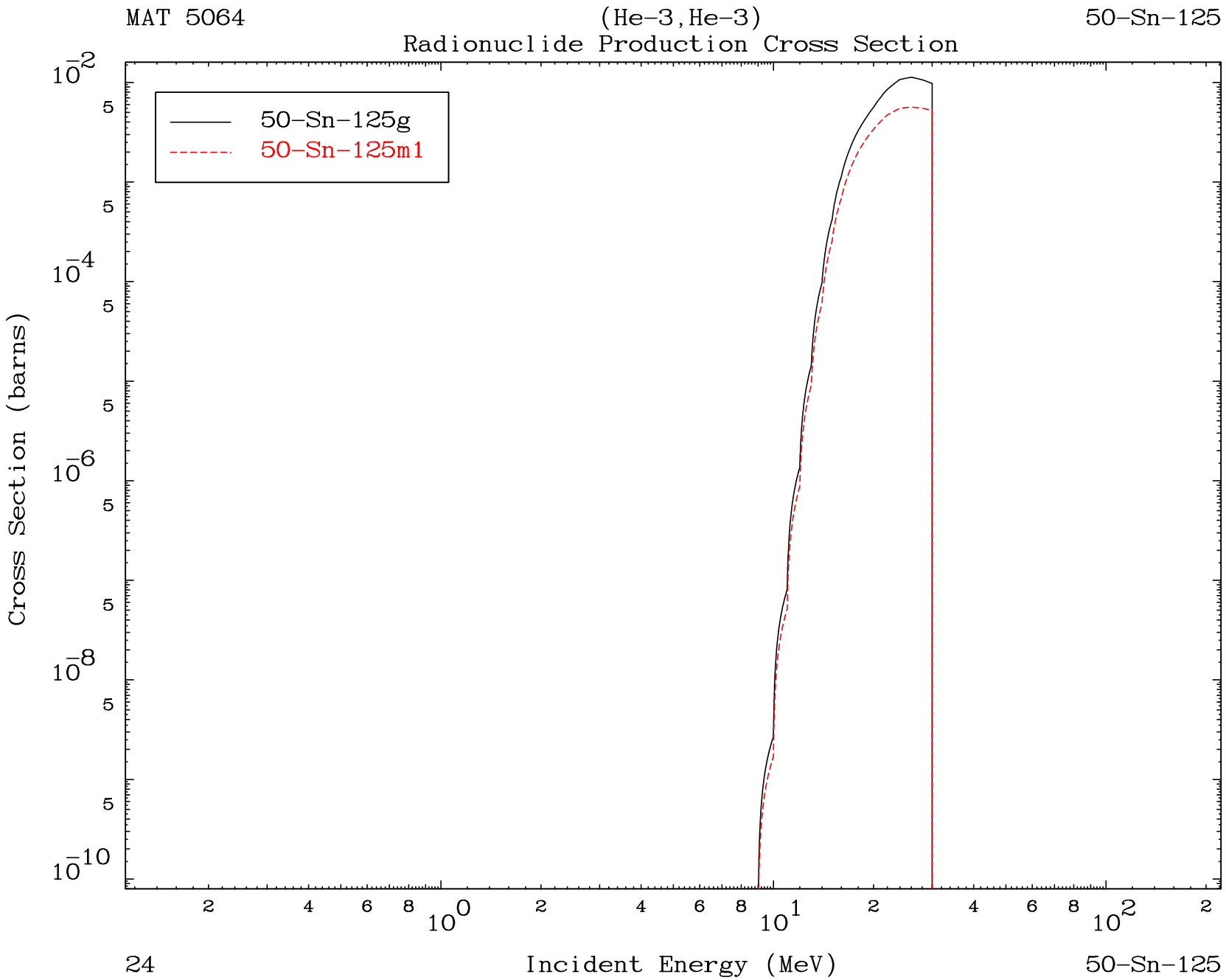

MAT 5064
(He-3,n') t
50-Sn-125
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-125

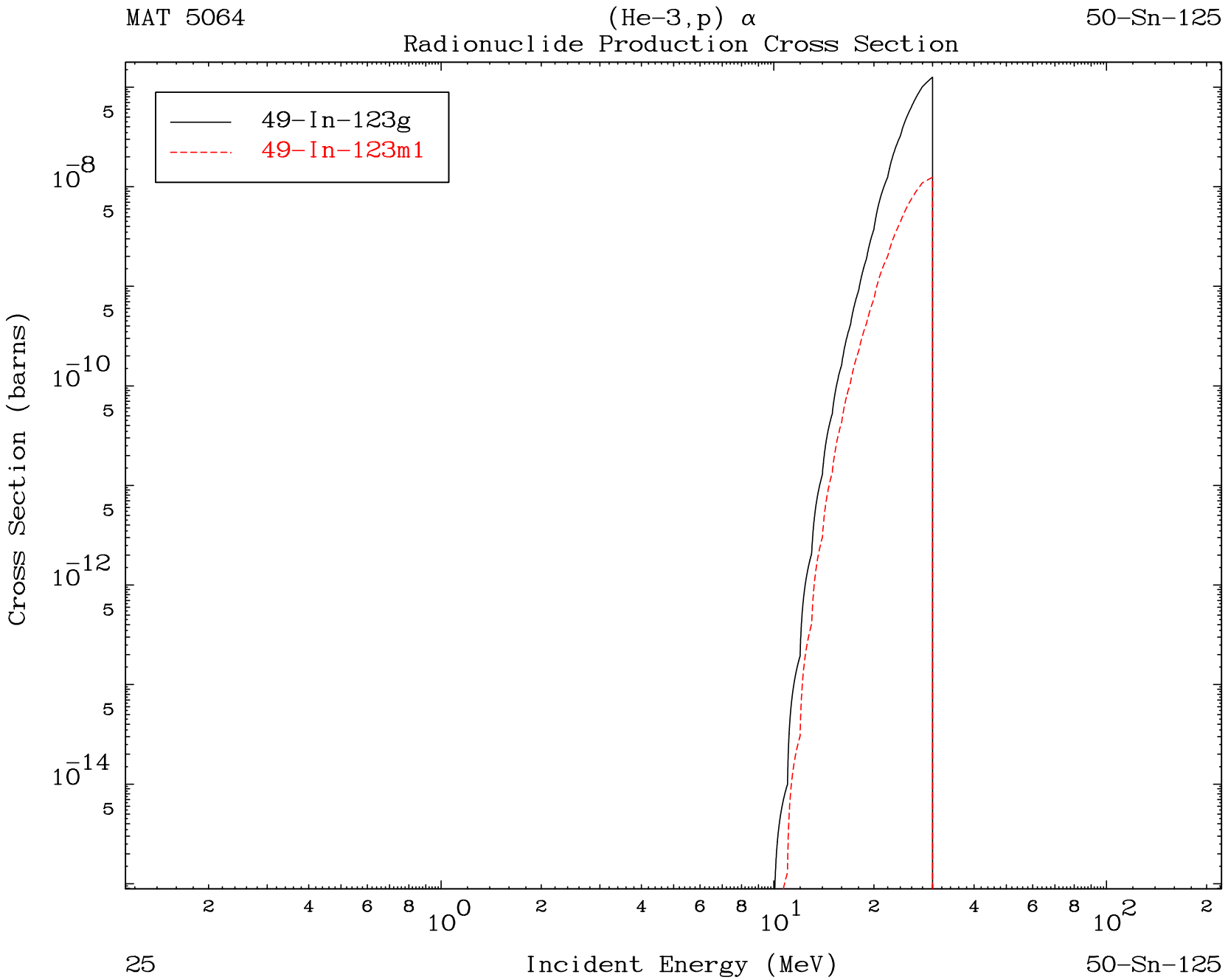

MAT 5064
(He-3,3n) p
50-Sn-125
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-125

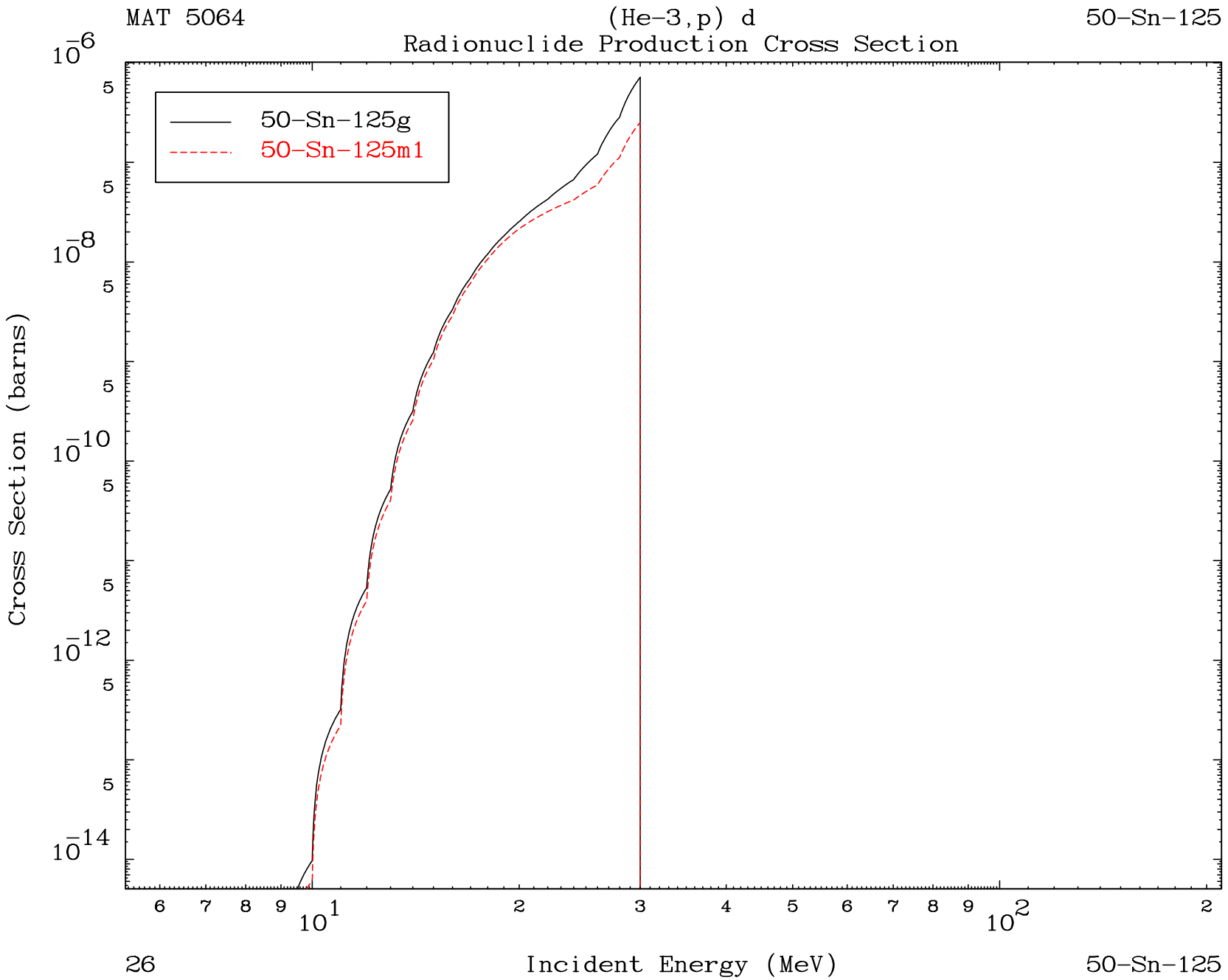

MAT 5064
(He-3,2n) p
50-Sn-125
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-125

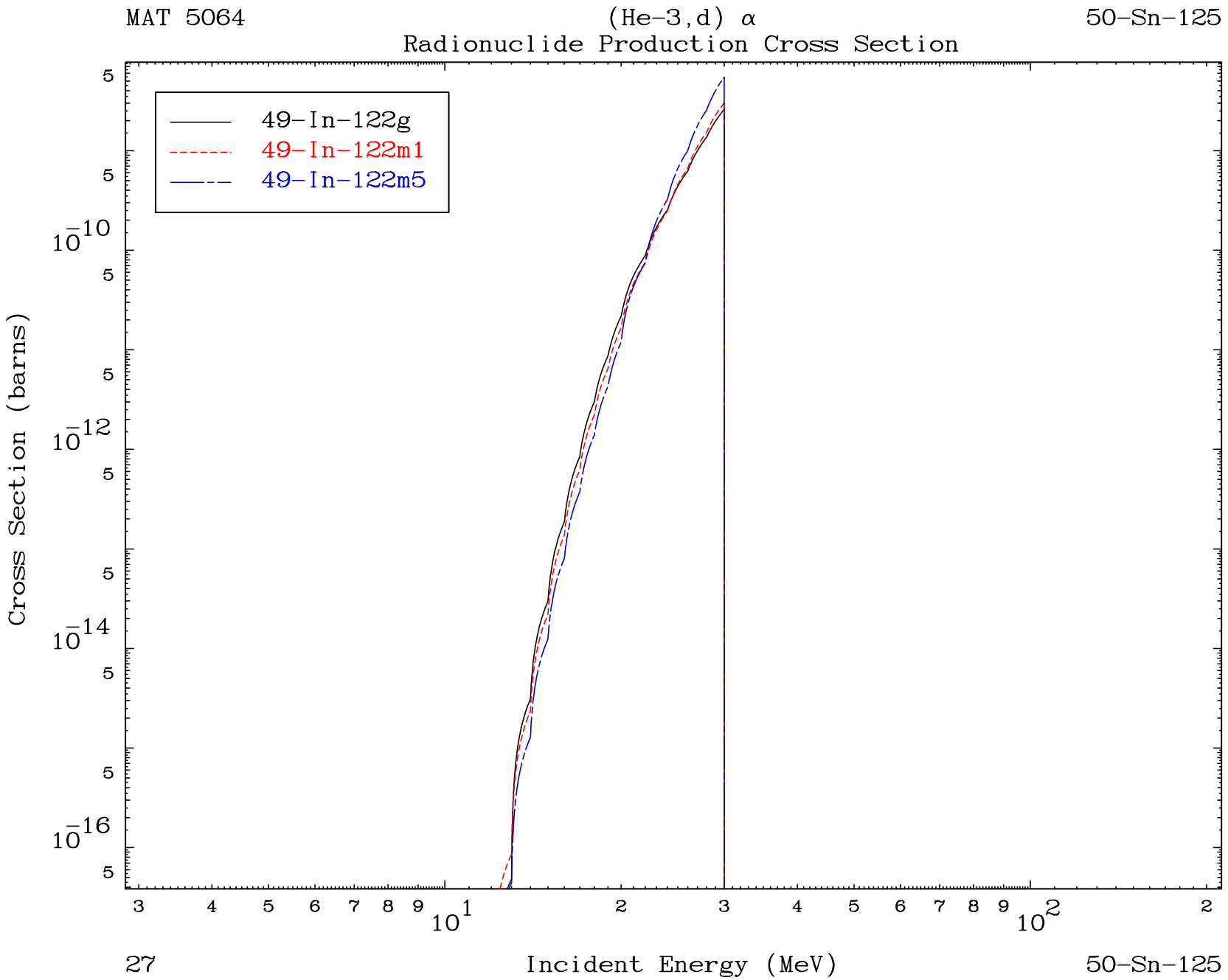

MAT 5064
(He-3,n') p α
50-Sn-125
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-125


MAT 5064
(He-3,d)
50-Sn-125
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-125


MAT 5064
(He-3,He-3)
50-Sn-125
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-125


MAT 5064
(He-3,p) α
50-Sn-125
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
25
50-Sn-125


MAT 5064
(He-3,p) d
50-Sn-125
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-125


MAT 5064
(He-3,d) α
50-Sn-125
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
27
50-Sn-125