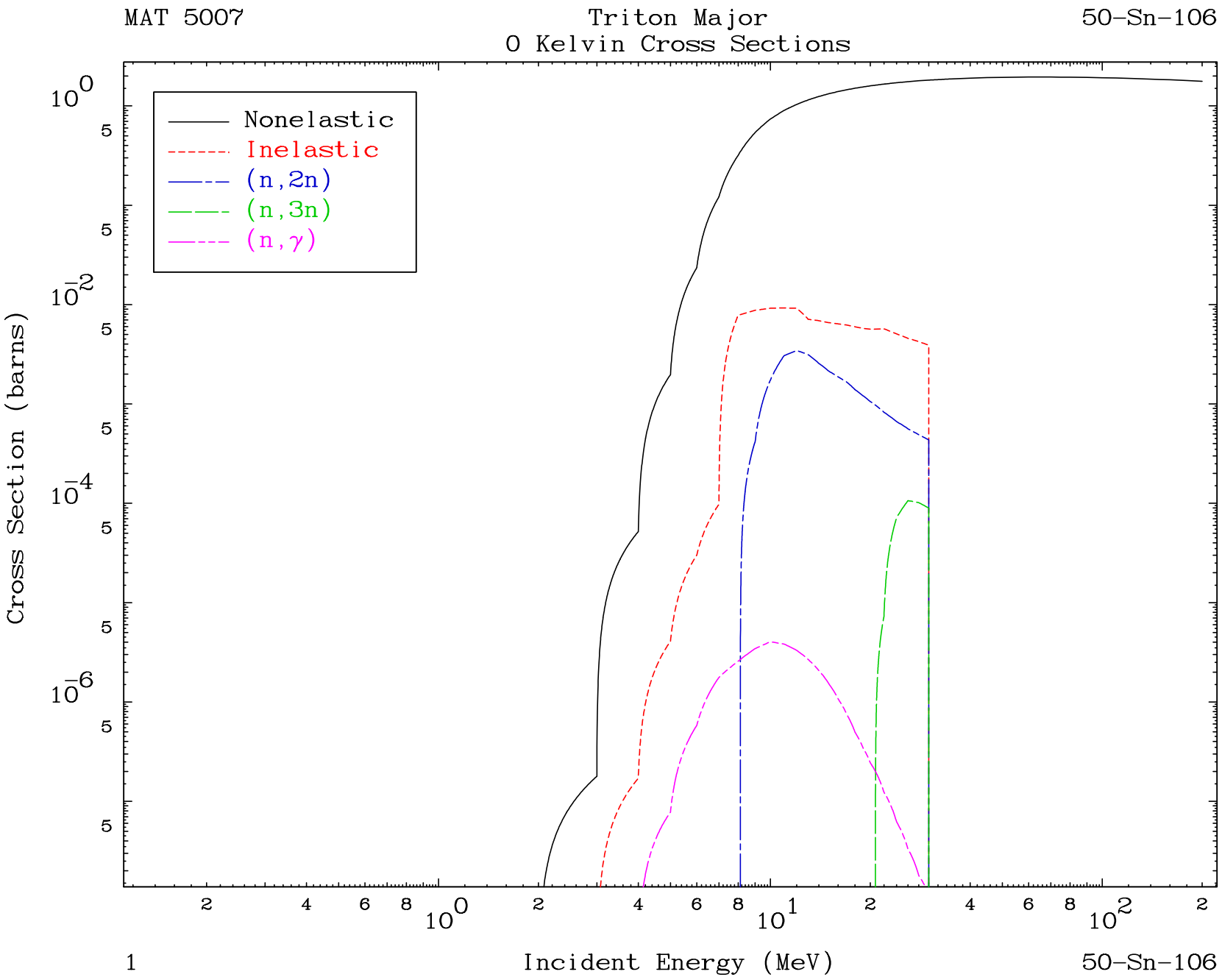
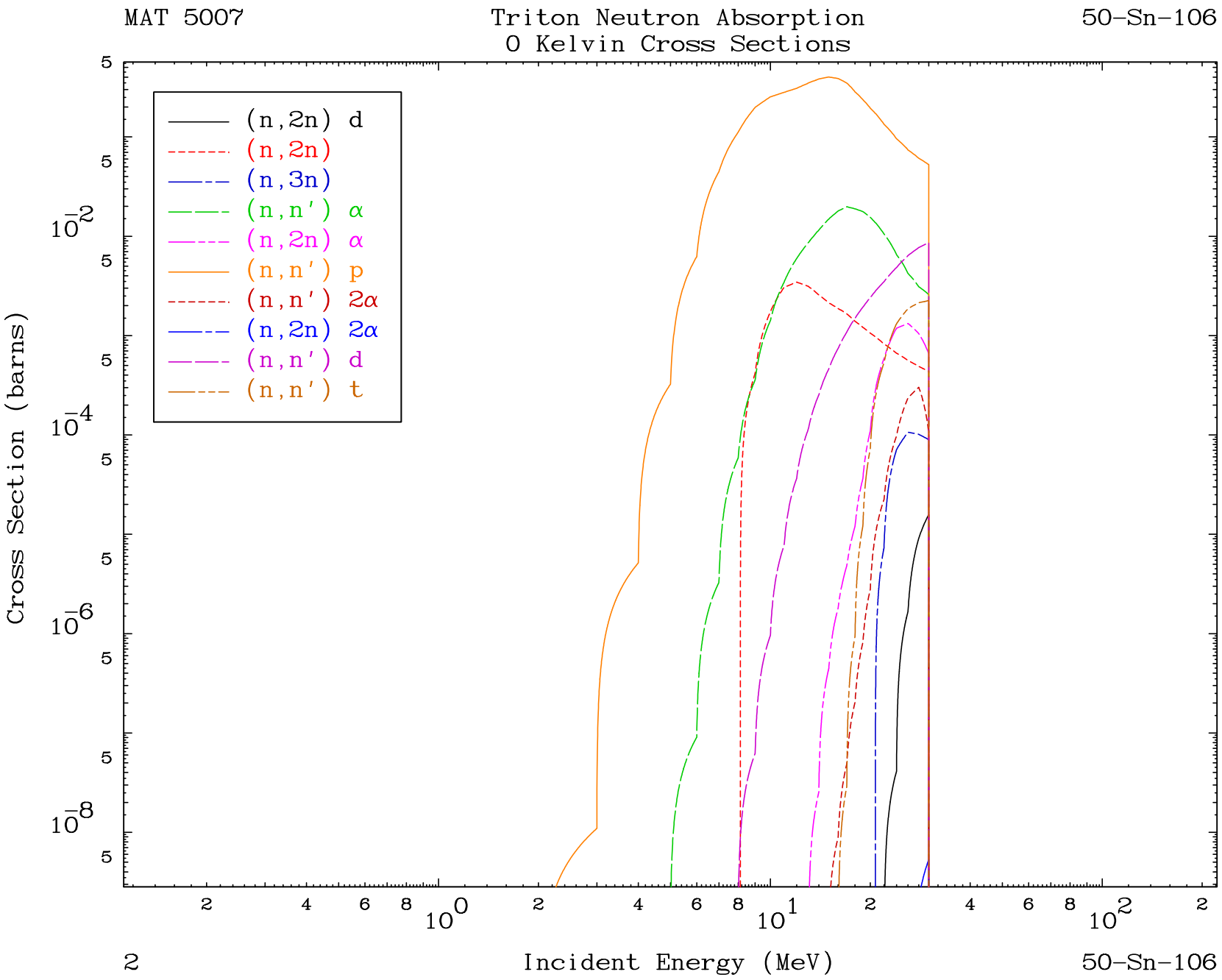
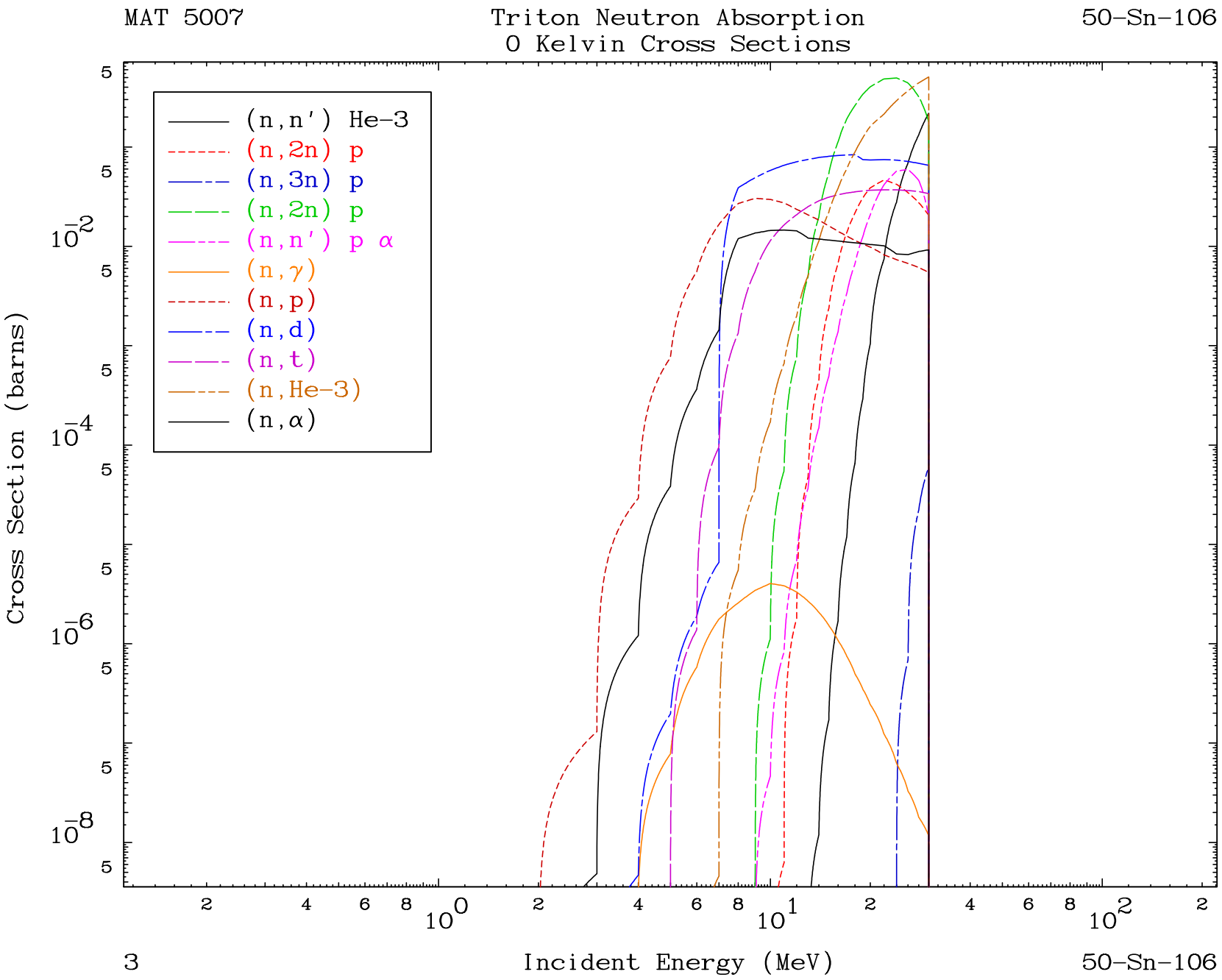
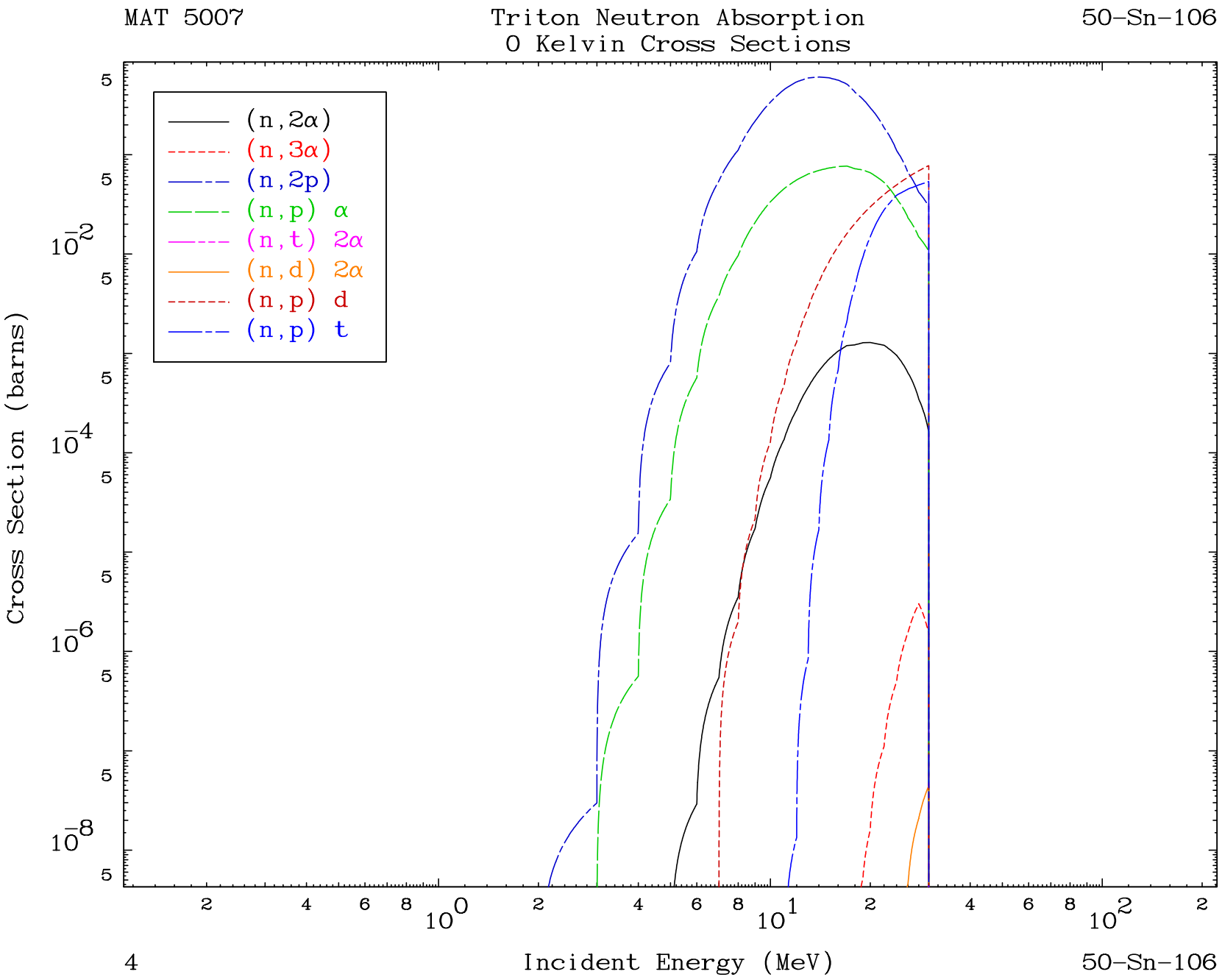
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

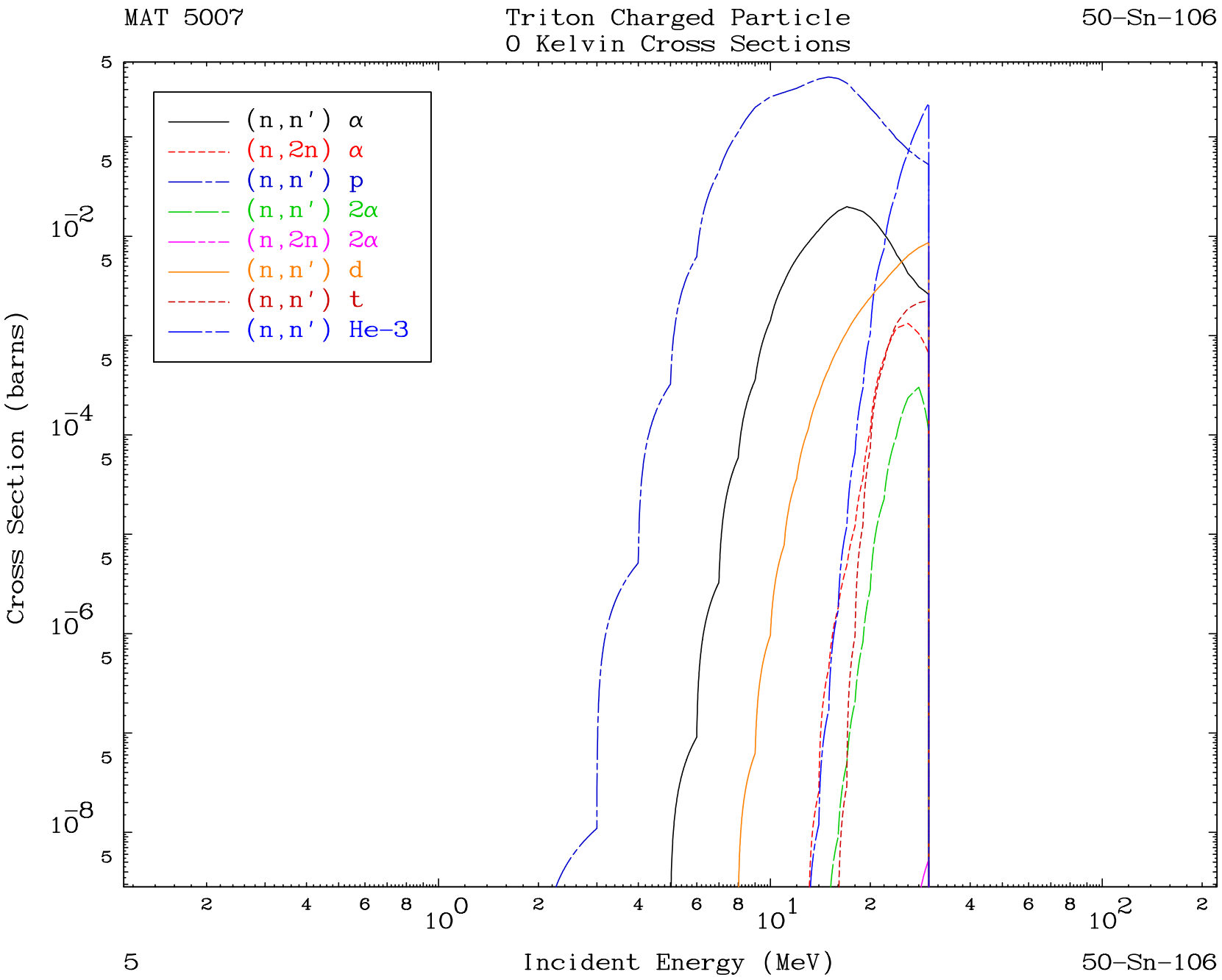
Press Mouse Button to Start


MAT 5007
Triton Major
0 Kelvin Cross Sections
50-Sn-106
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-106

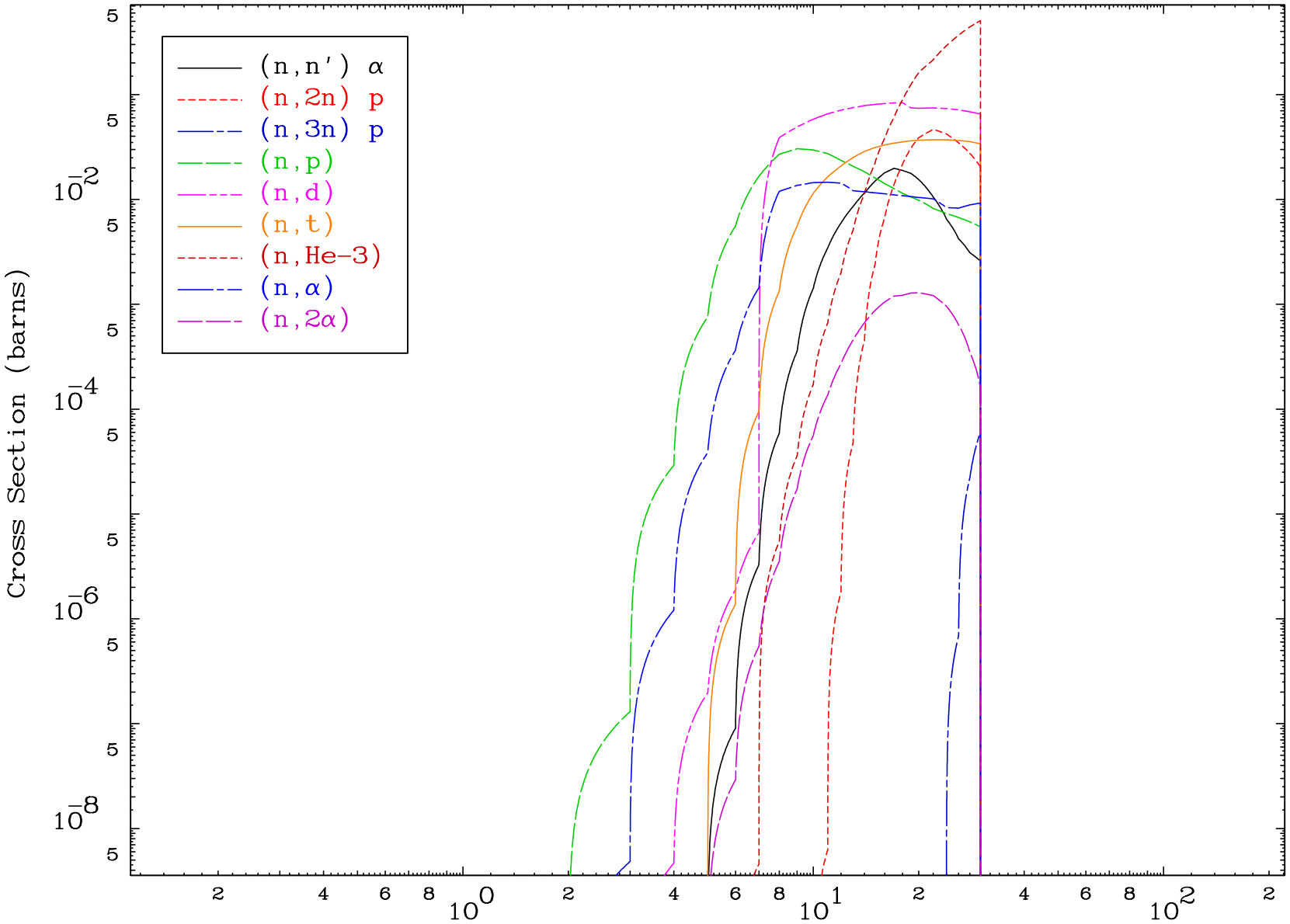

MAT 5007
Triton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-106
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
50-Sn-106

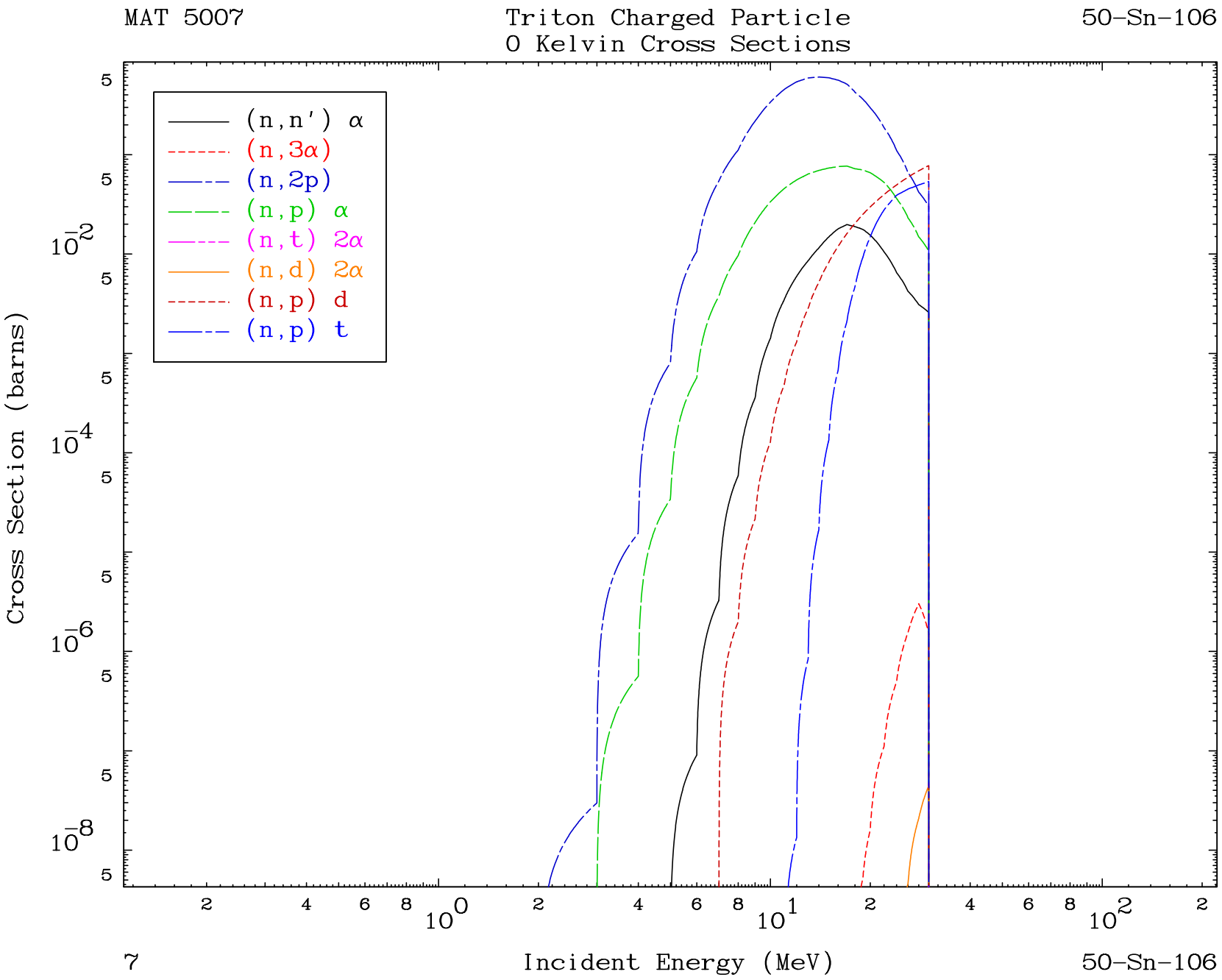

MAT 5007
Triton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-106
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-106


MAT 5007
Triton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-106
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-106

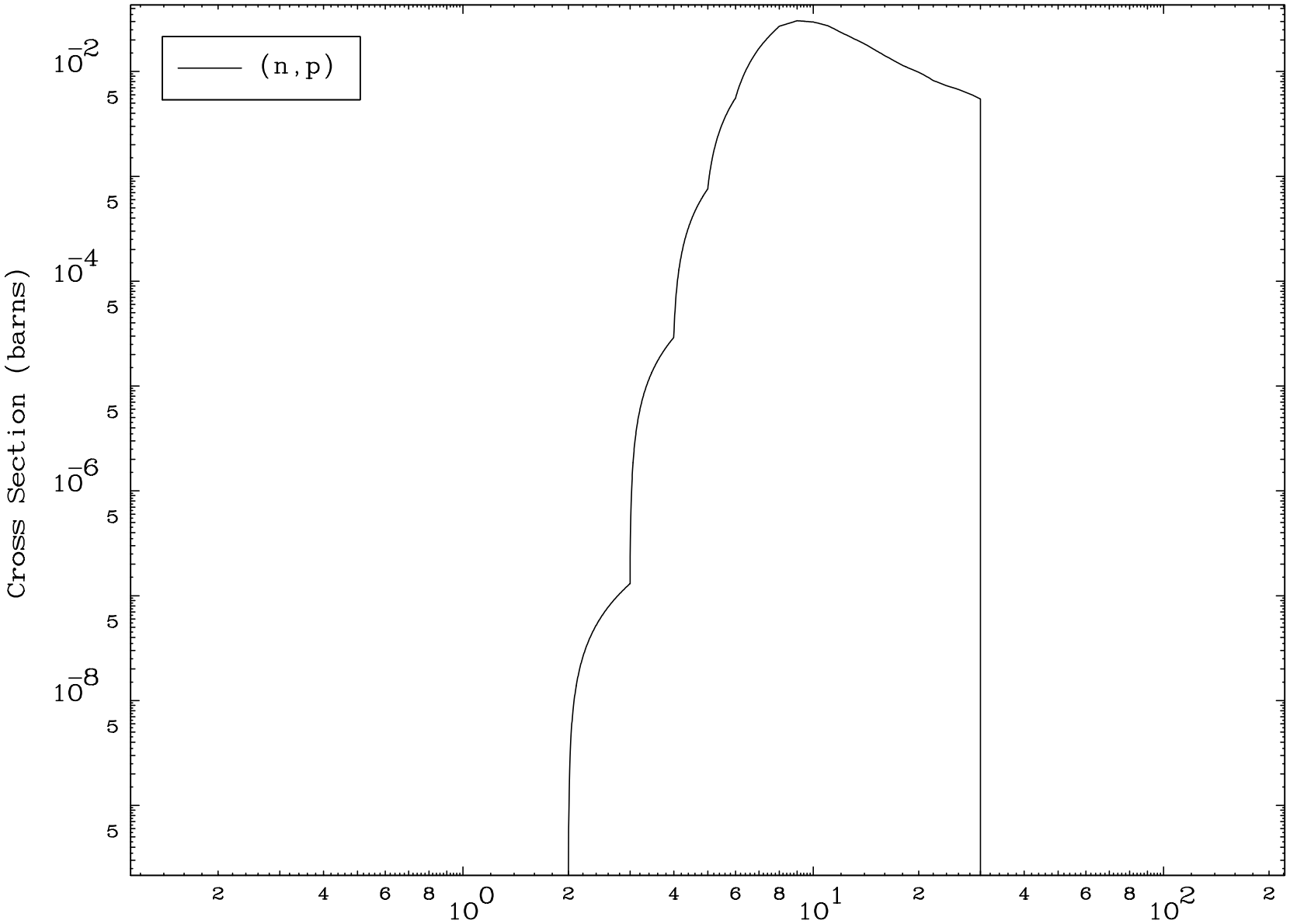

MAT 5007
Triton Charged Particle
0 Kelvin Cross Sections
50-Sn-106
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
50-Sn-106

Triton Charged Particle
0 Kelvin Cross Sections

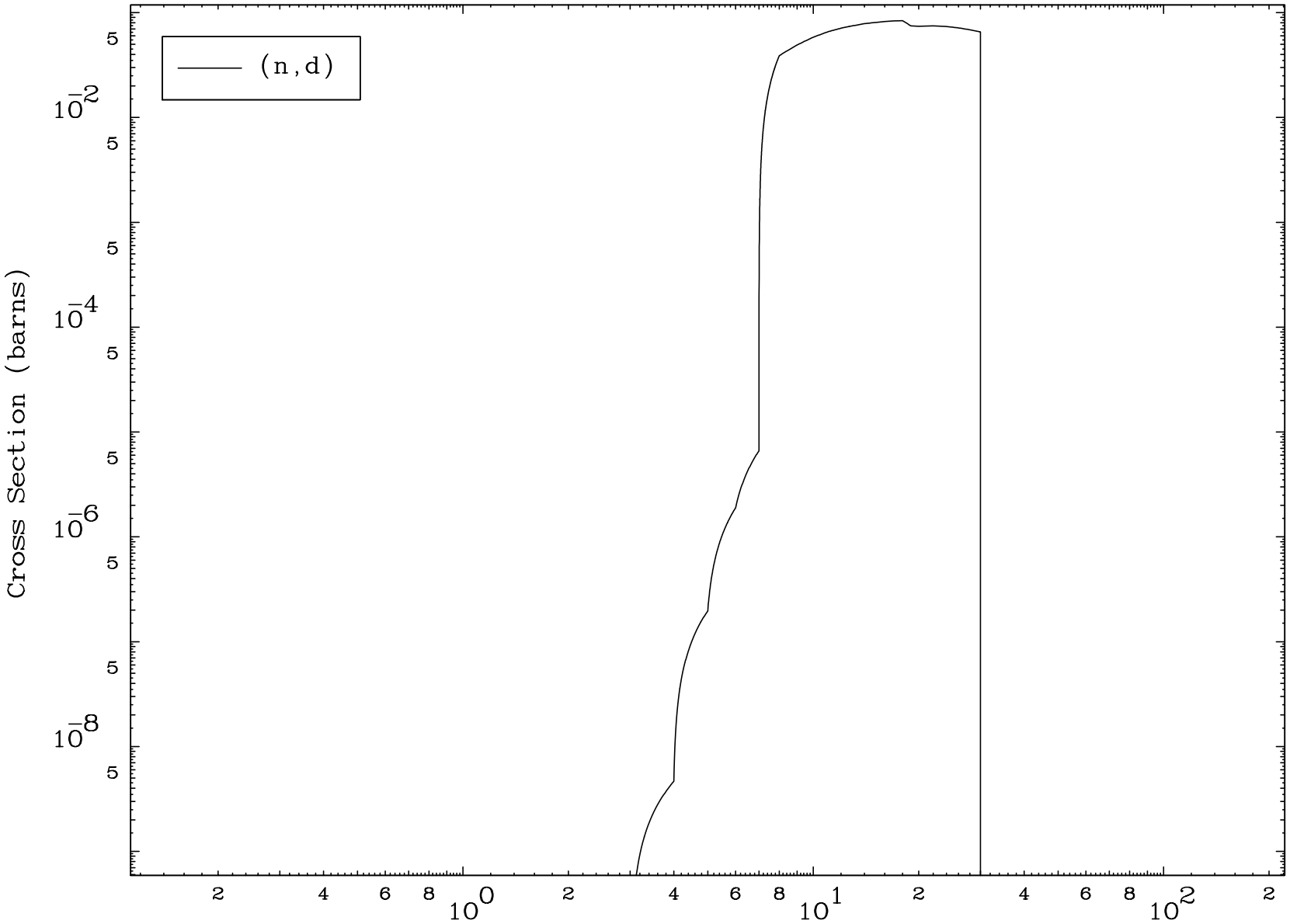


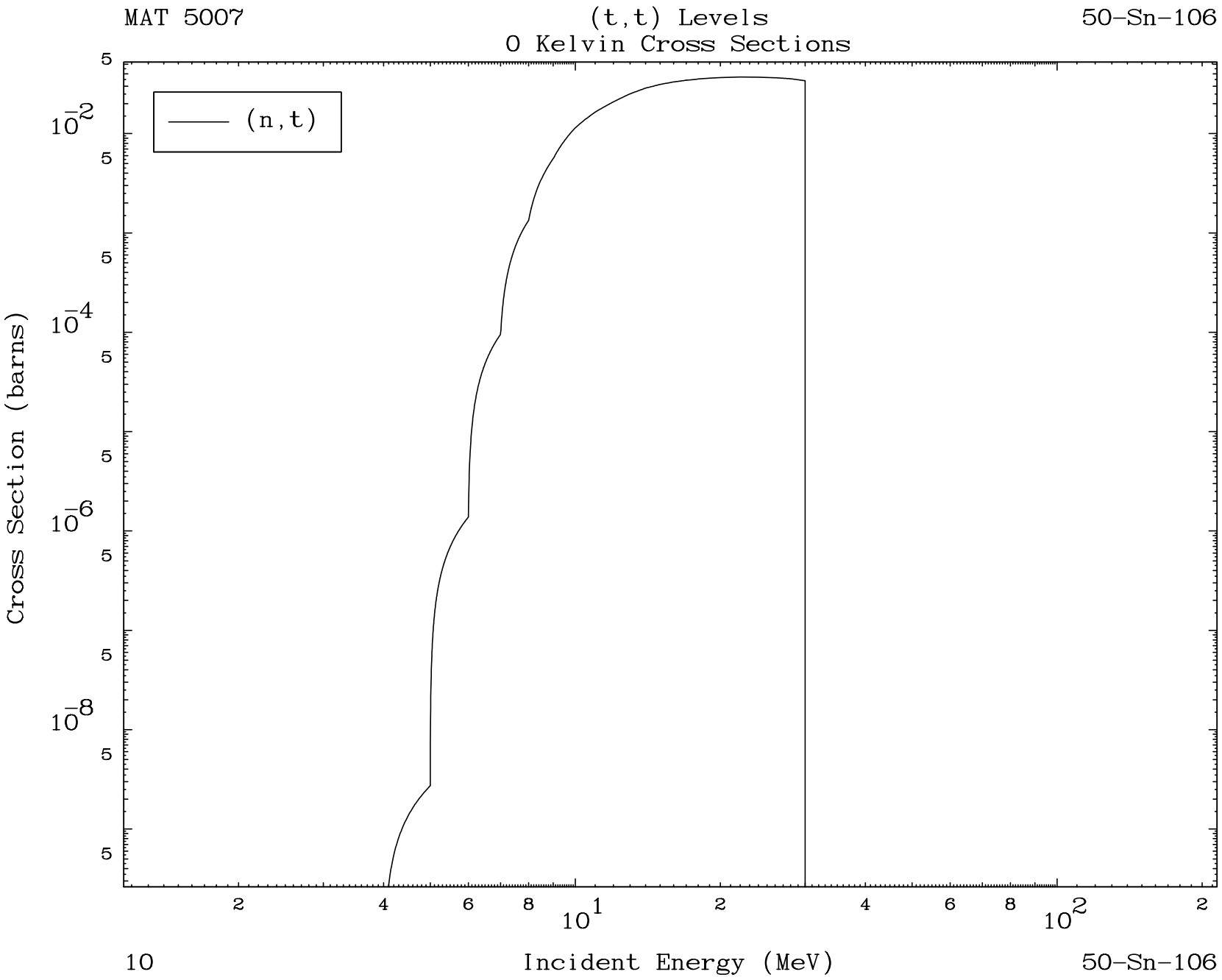

MAT 5007
Triton Charged Particle
0 Kelvin Cross Sections
50-Sn-106
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-106

0 Kelvin Cross Sections

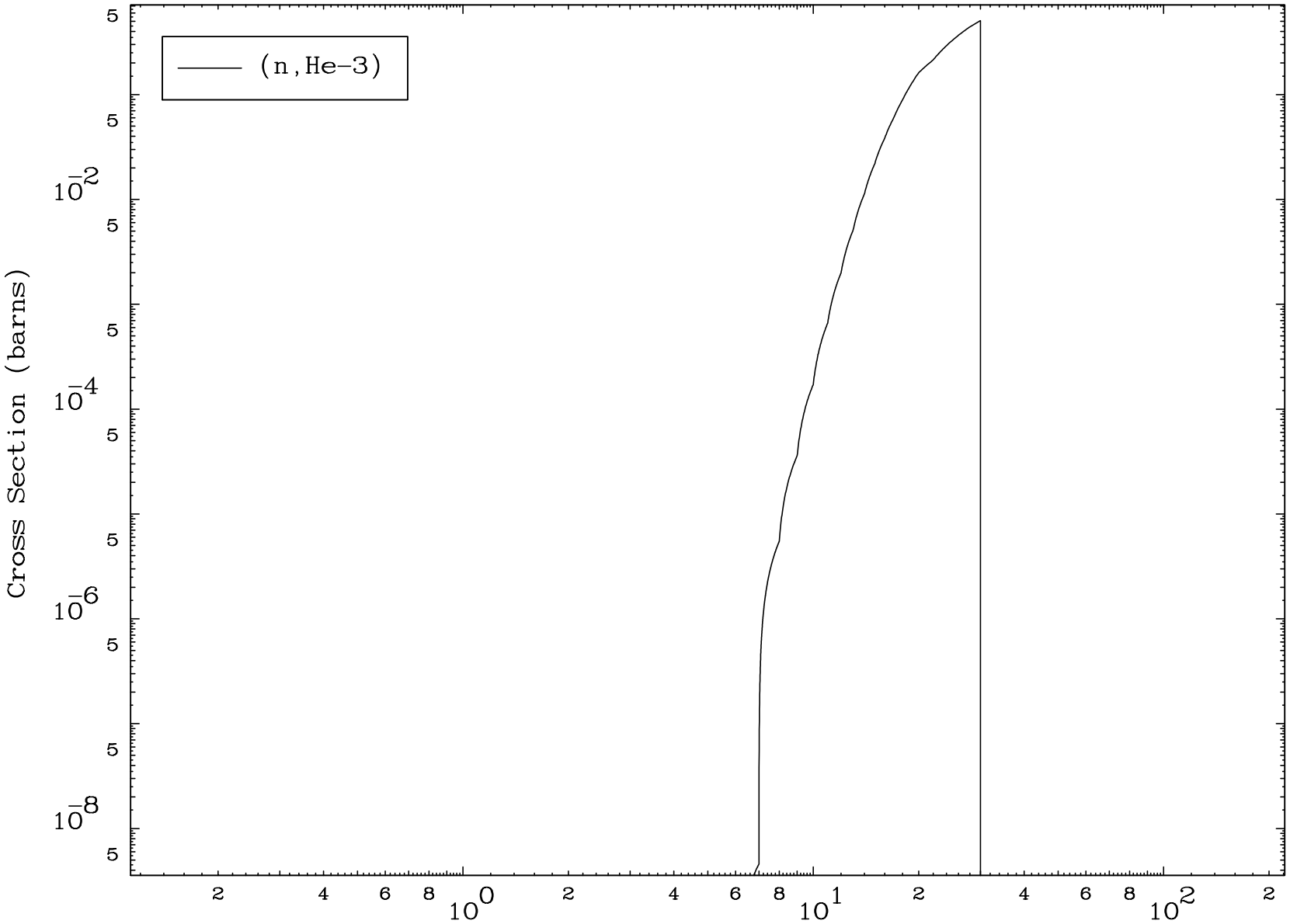


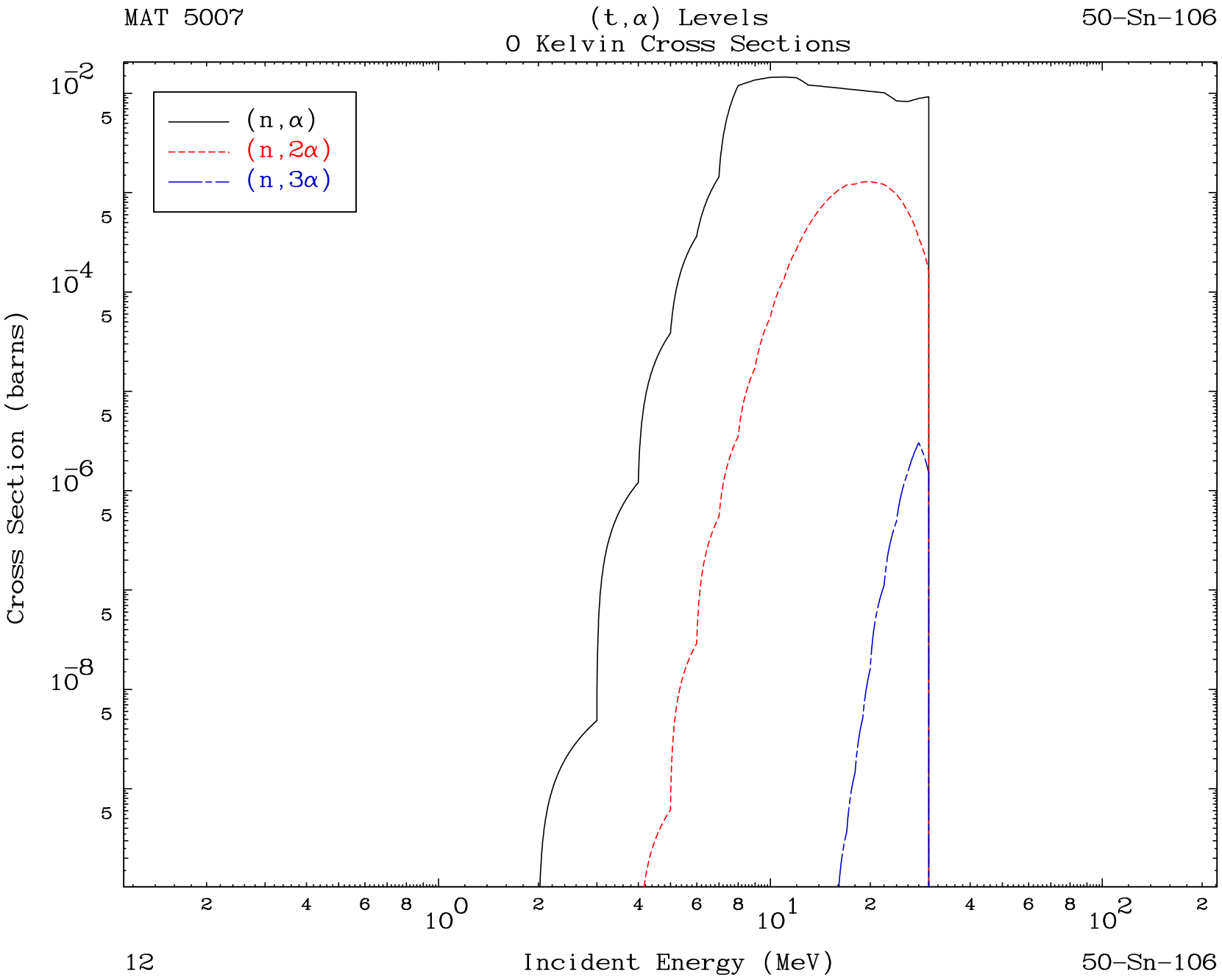
0 Kelvin Cross Sections

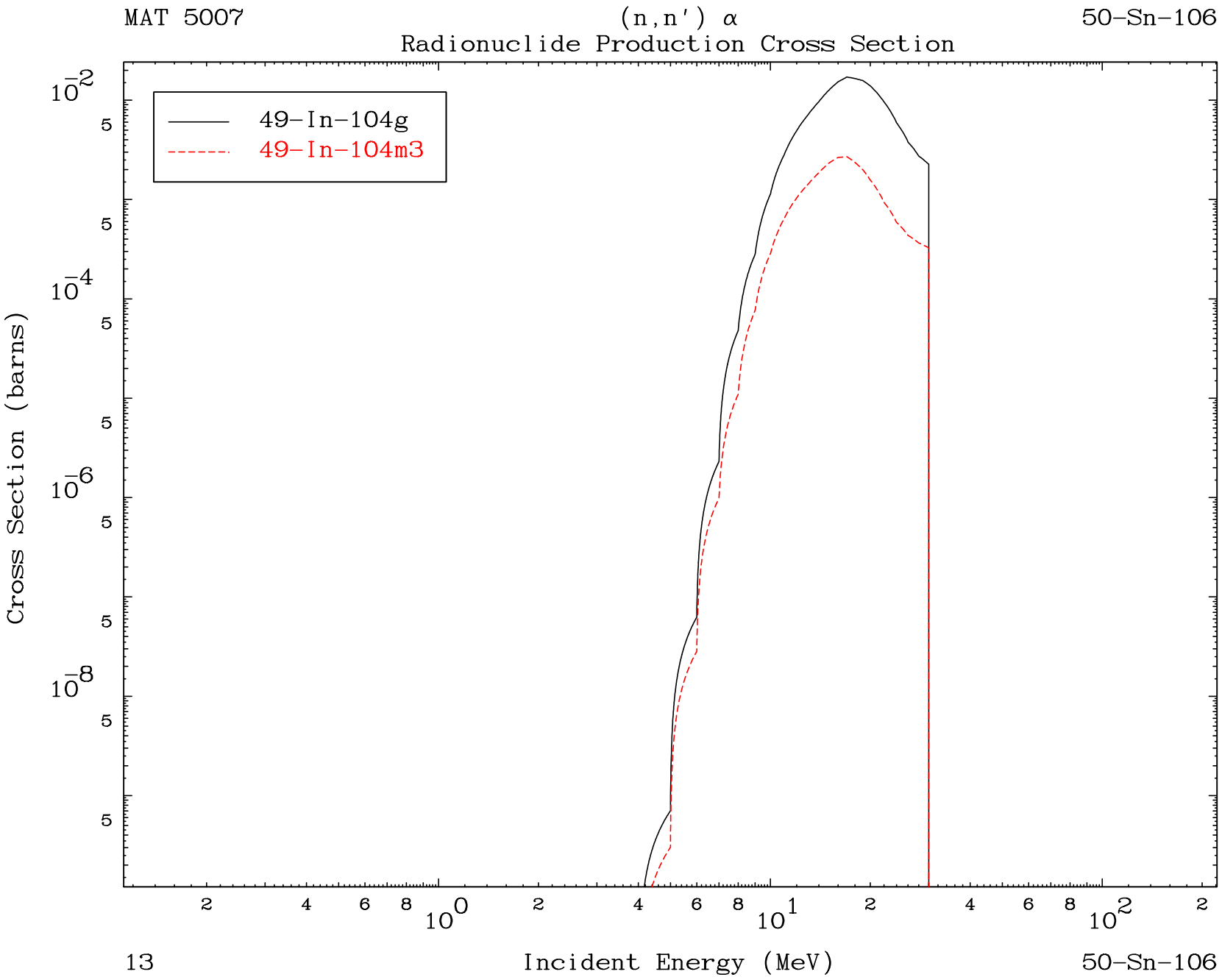


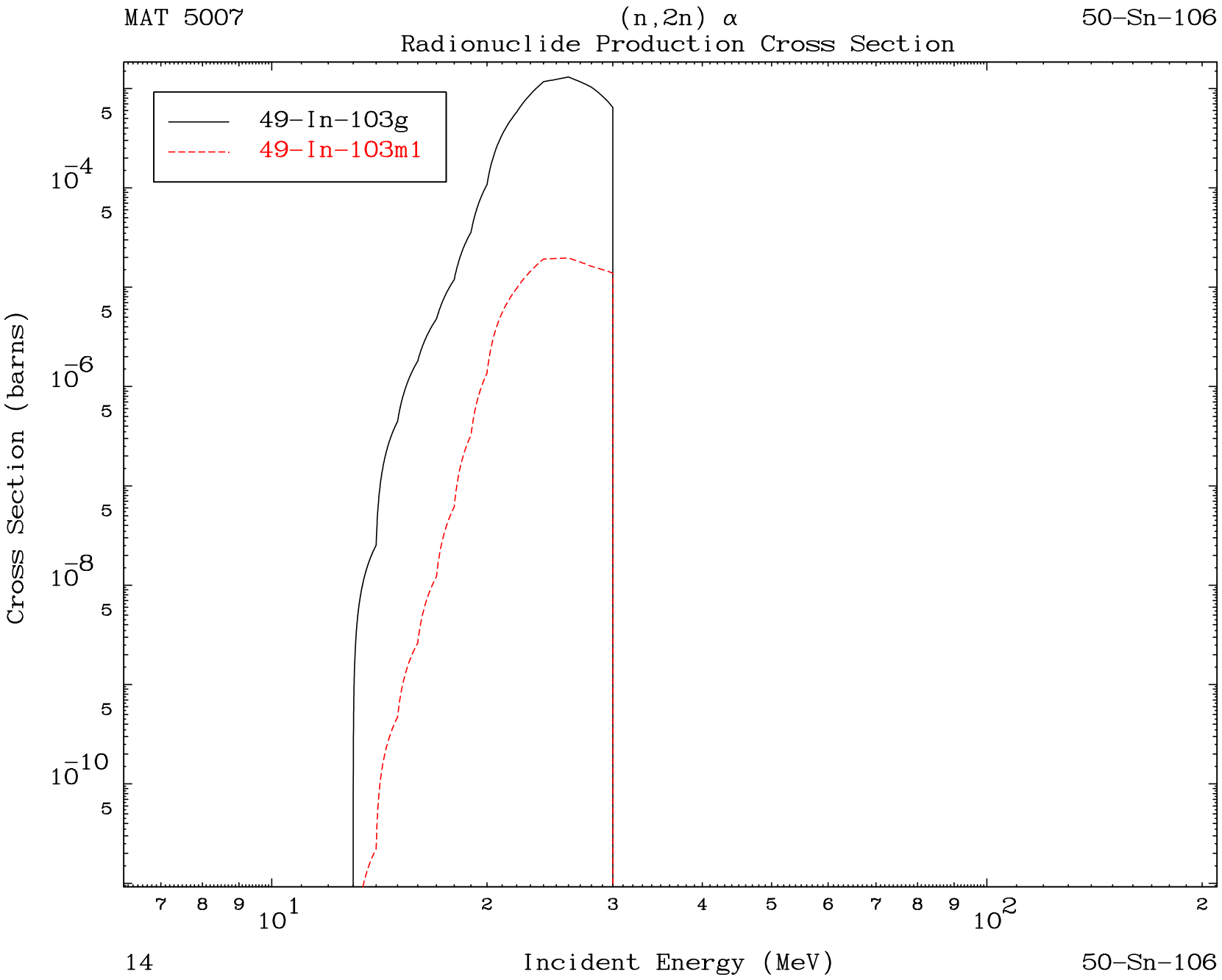

MAT 5007
(t,t) Levels
0 Kelvin Cross Sections
50-Sn-106
(n,t)
Cross Section (barns)
Incident Energy (MeV)
10
50-Sn-106

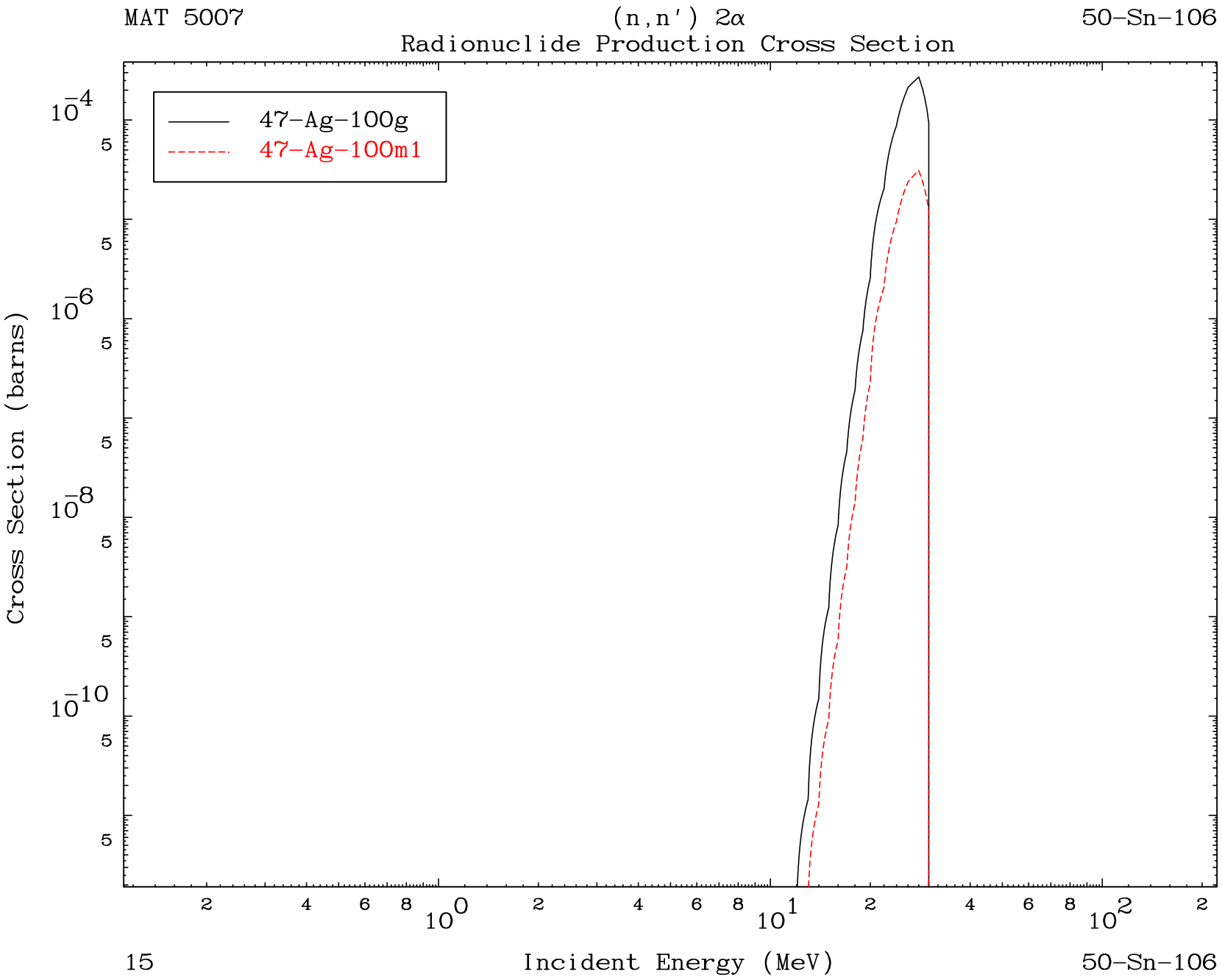
0 Kelvin Cross Sections

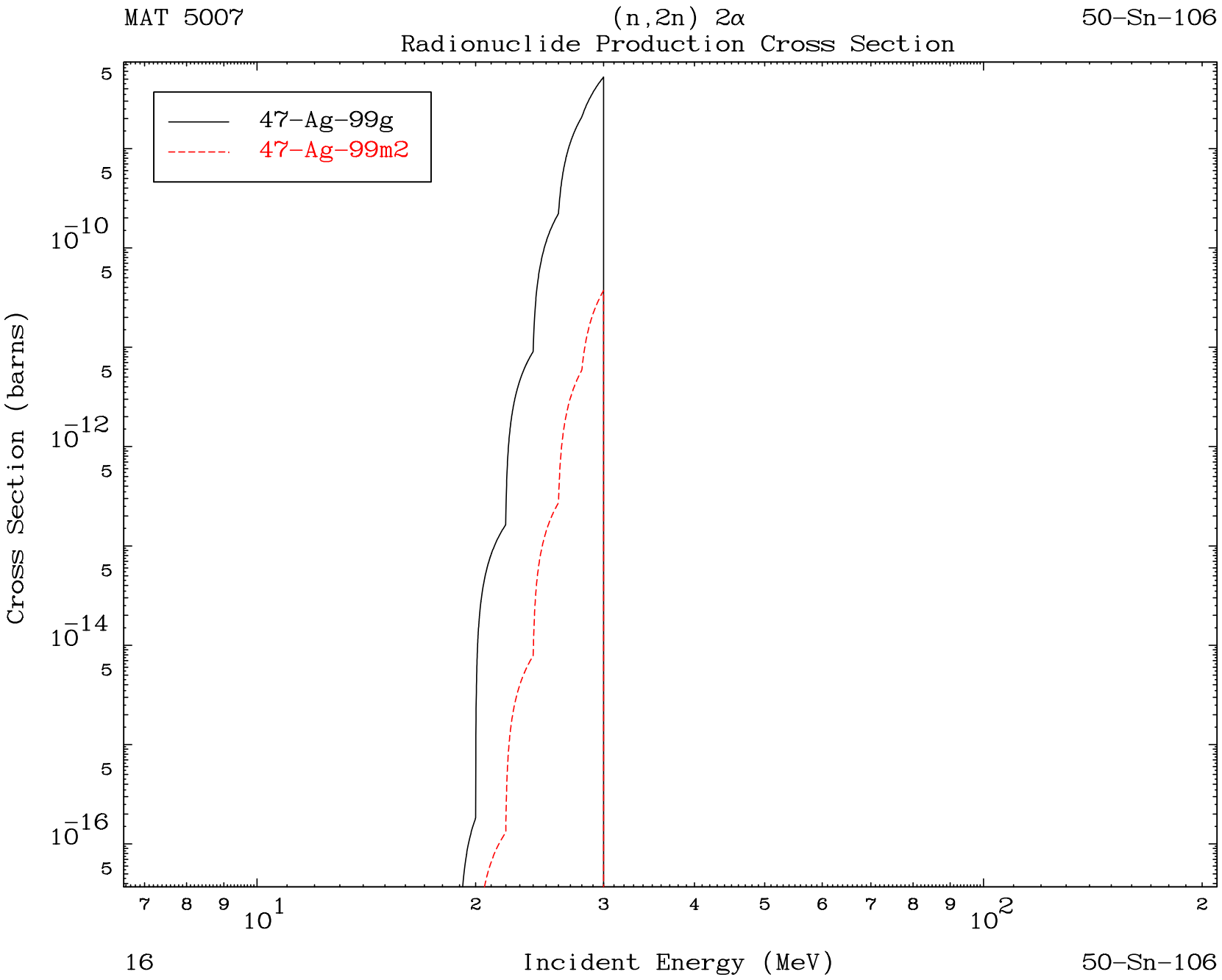


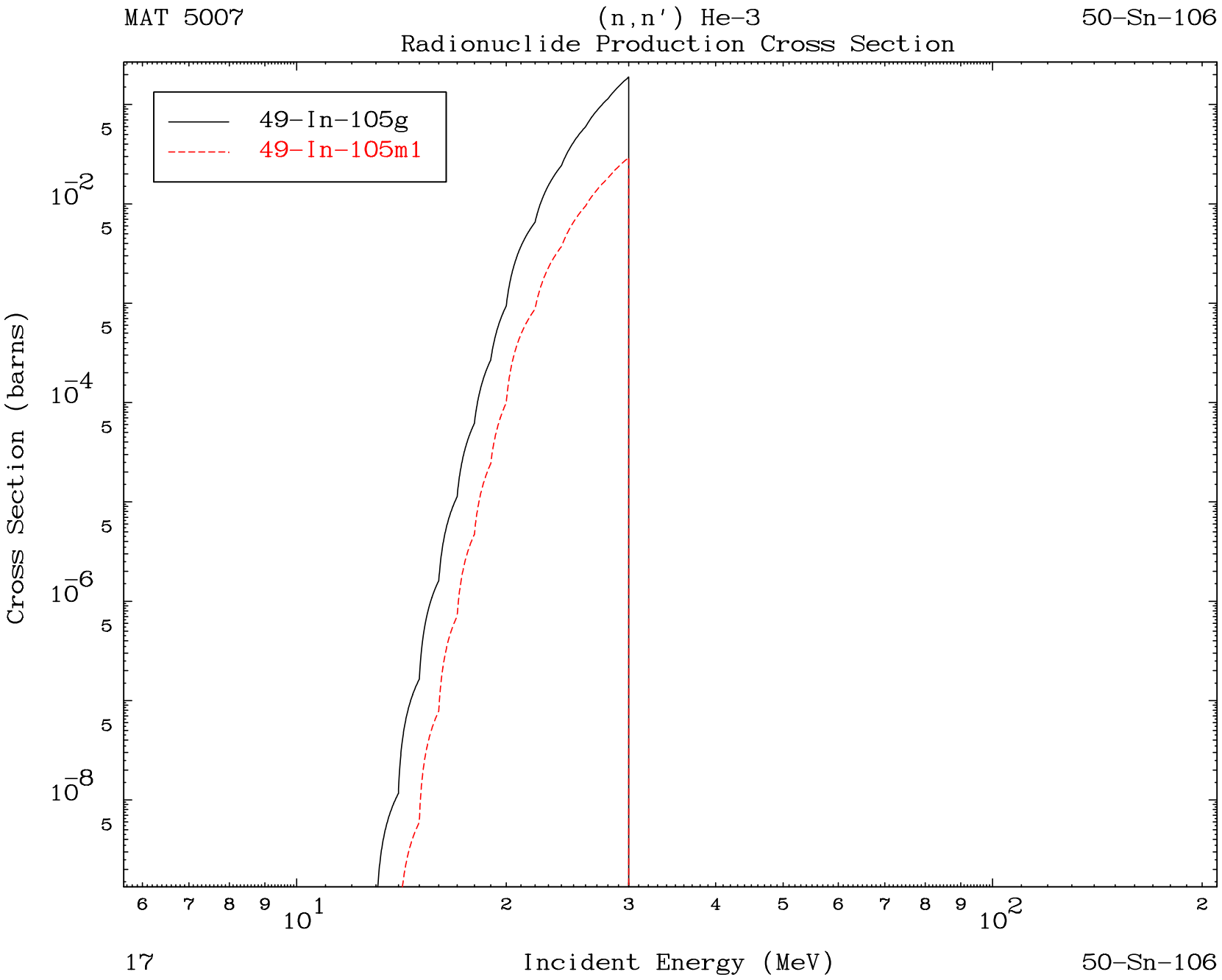

MAT 5007
(t,α) Levels
0 Kelvin Cross Sections
50-Sn-106
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-106

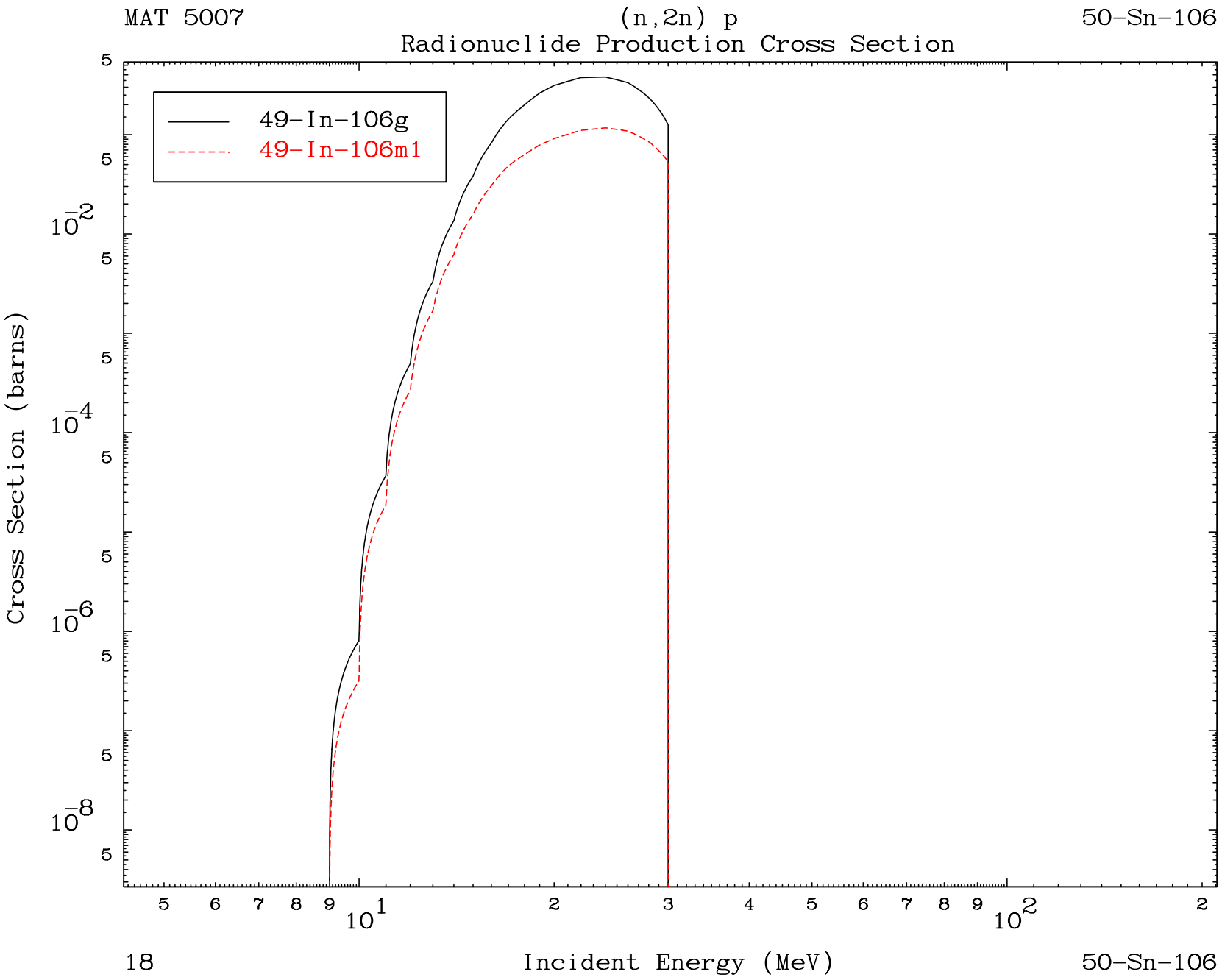

MAT 5007
(n,n') α
50-Sn-106
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-106

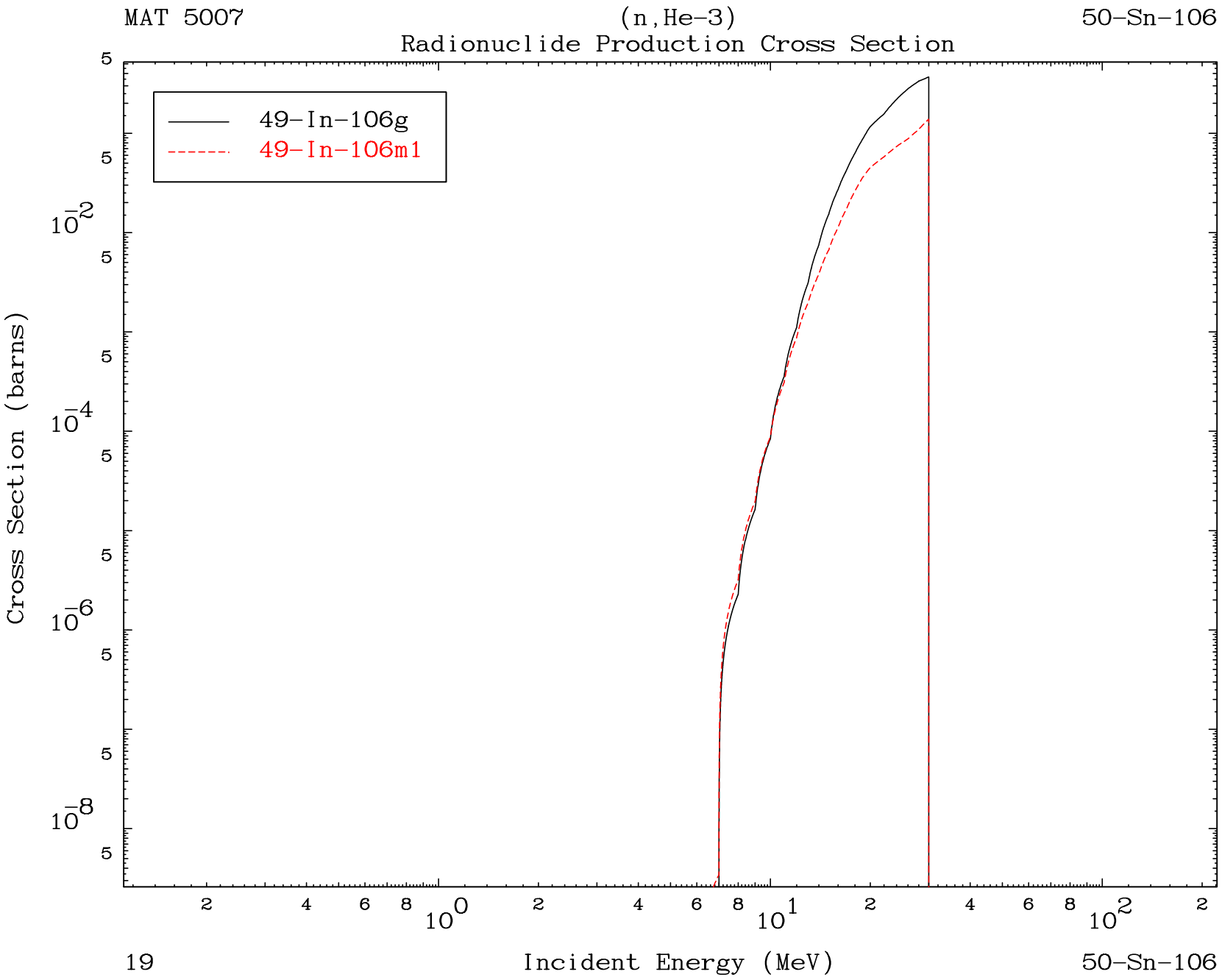

MAT 5007
(n,2n) α
50-Sn-106
Radionuclide Production Cross Section
49-In-103g
49-In-103m1
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-106

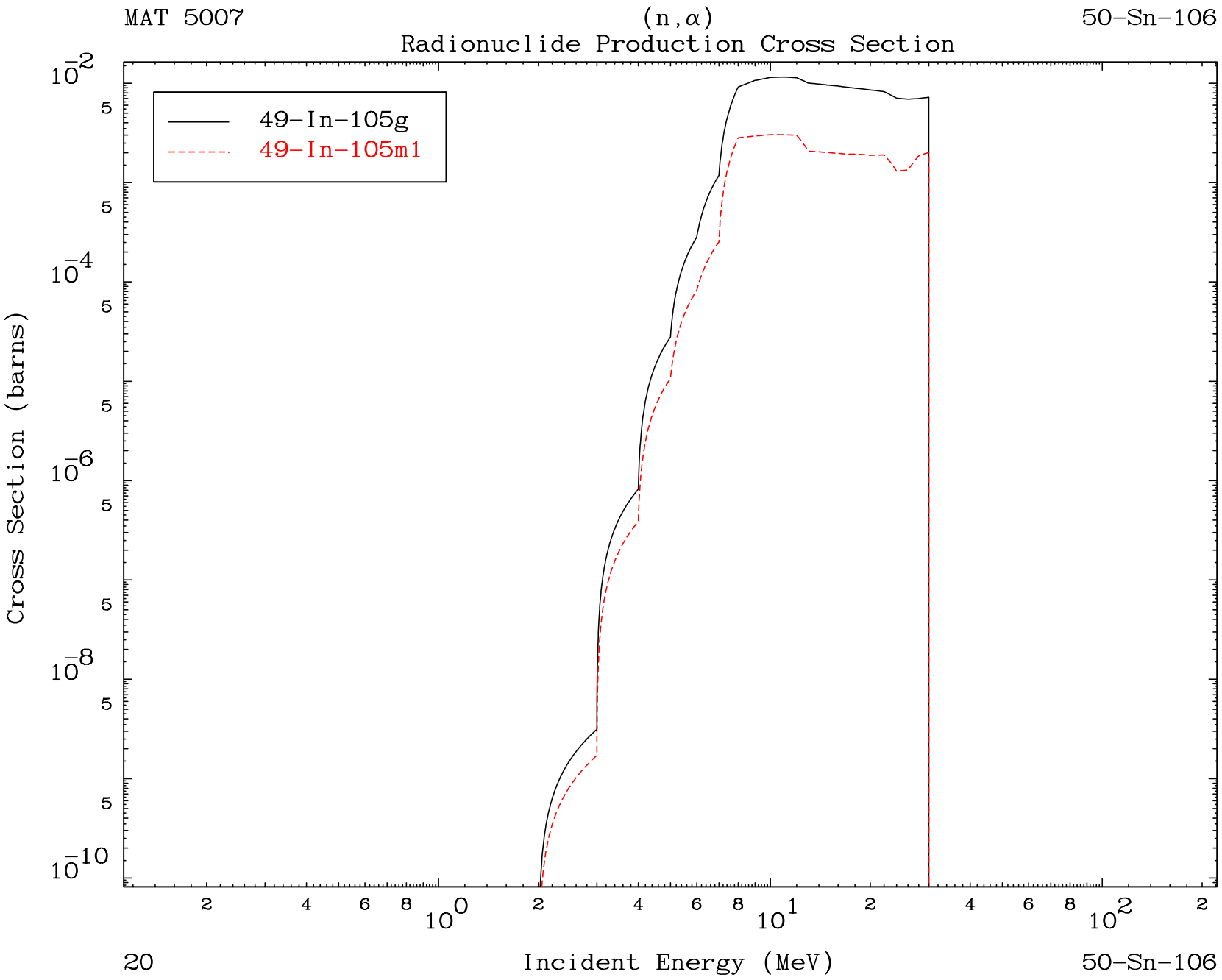

MAT 5007
(n,n') 2α
50-Sn-106
Radionuclide Production Cross Section
47-Ag-100g
47-Ag-100m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-106

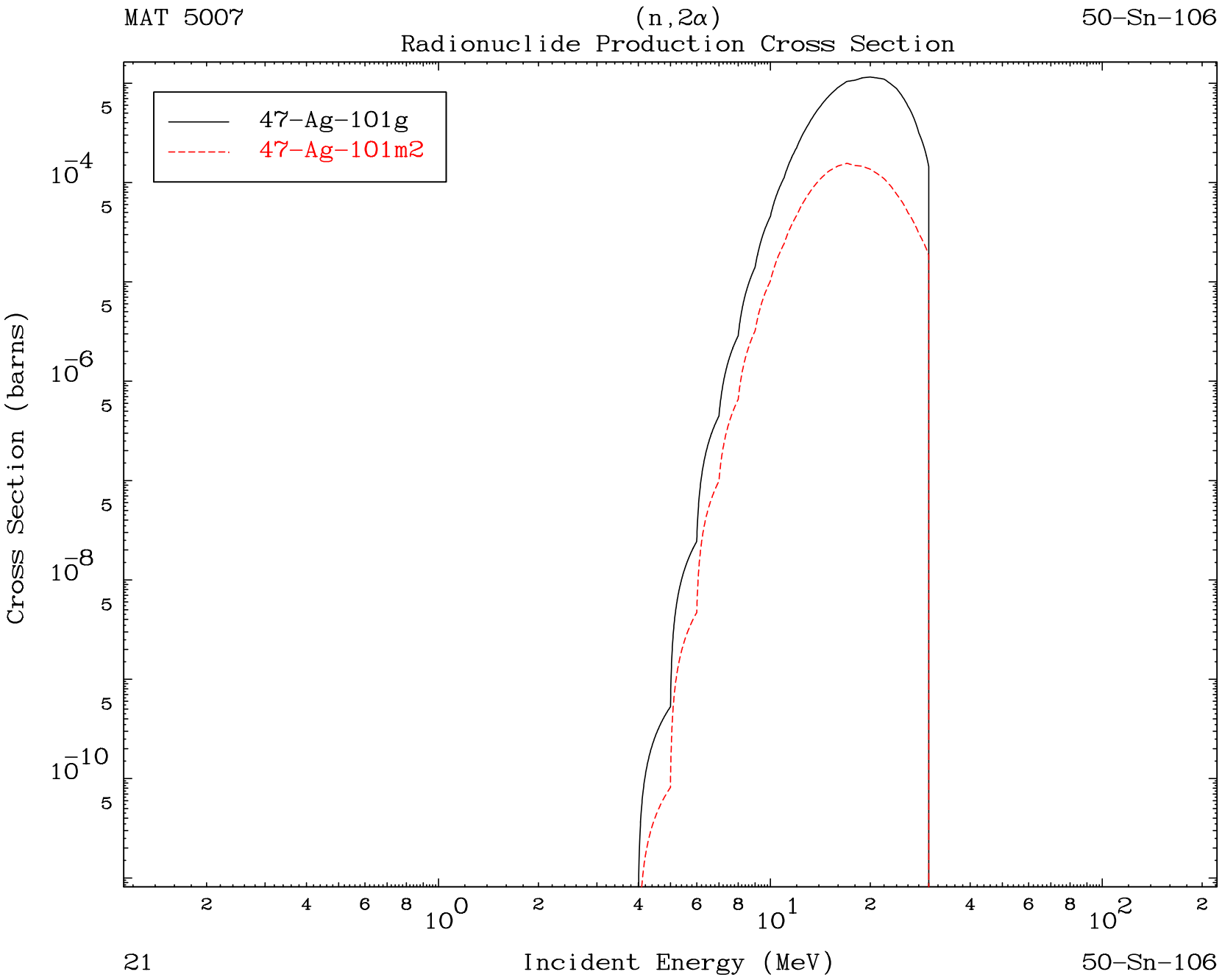

MAT 5007
(n,2n) 2α
50-Sn-106
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-106

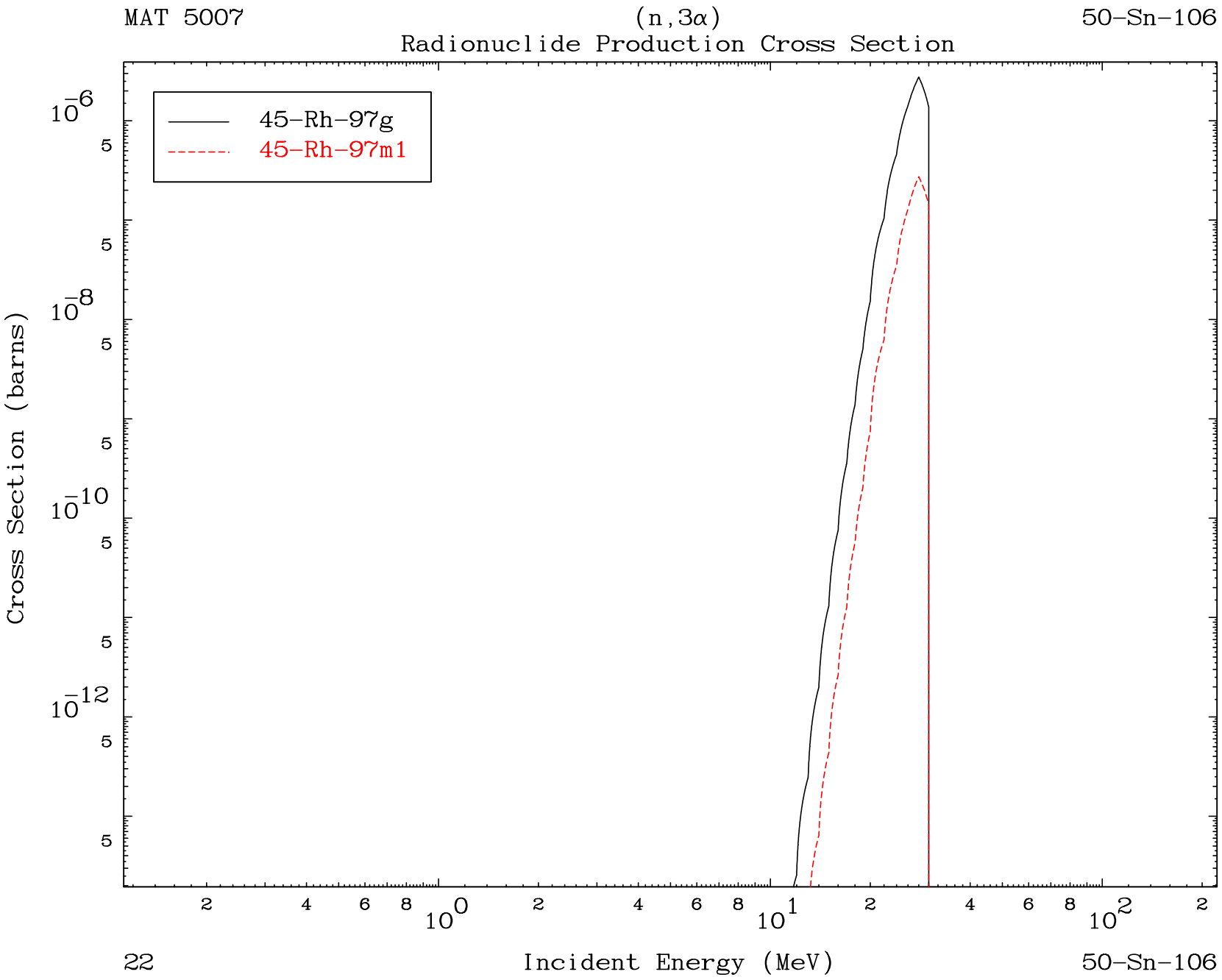

MAT 5007
(n,n') He-3
50-Sn-106
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-106

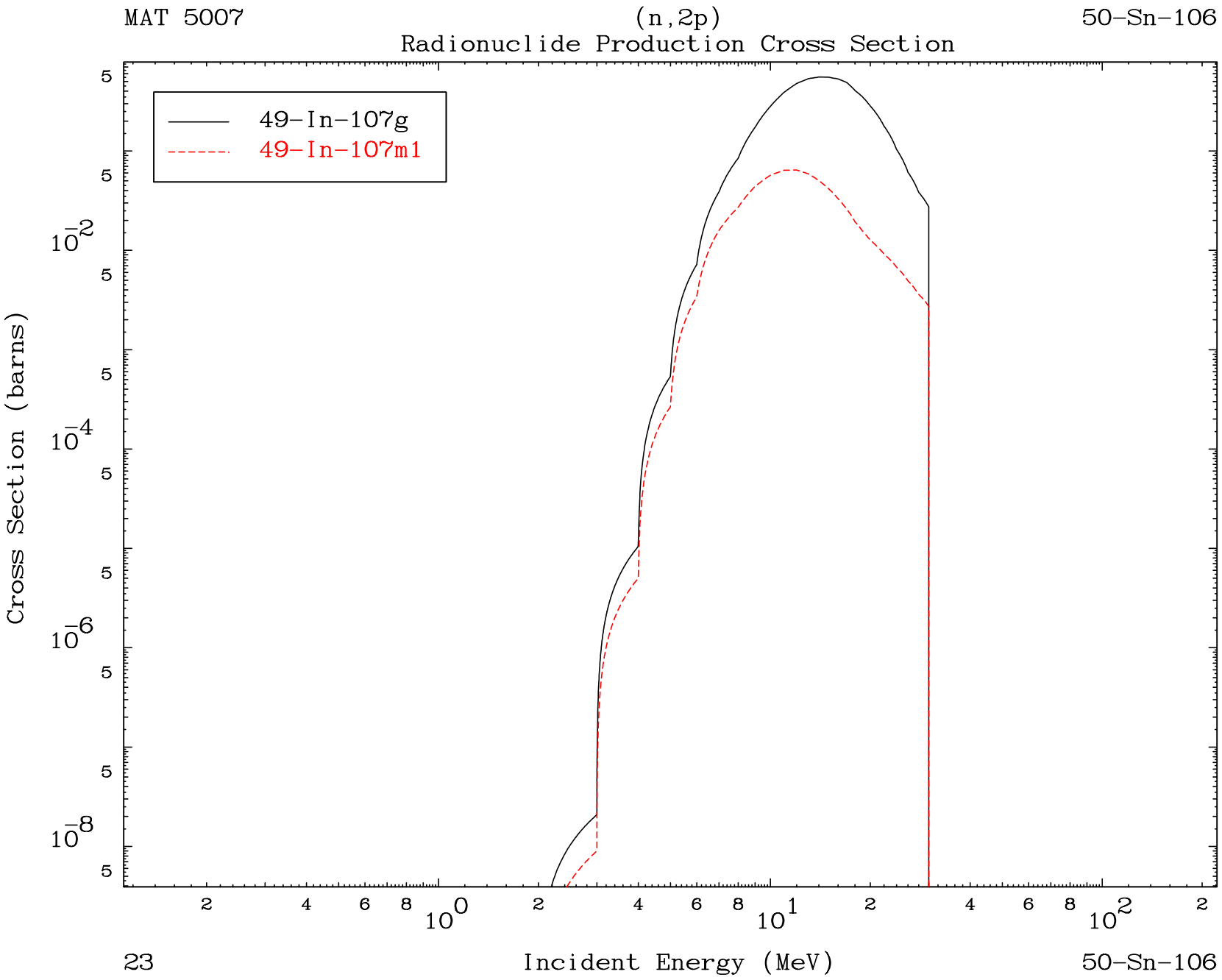

MAT 5007
(n,2n) p
50-Sn-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-106

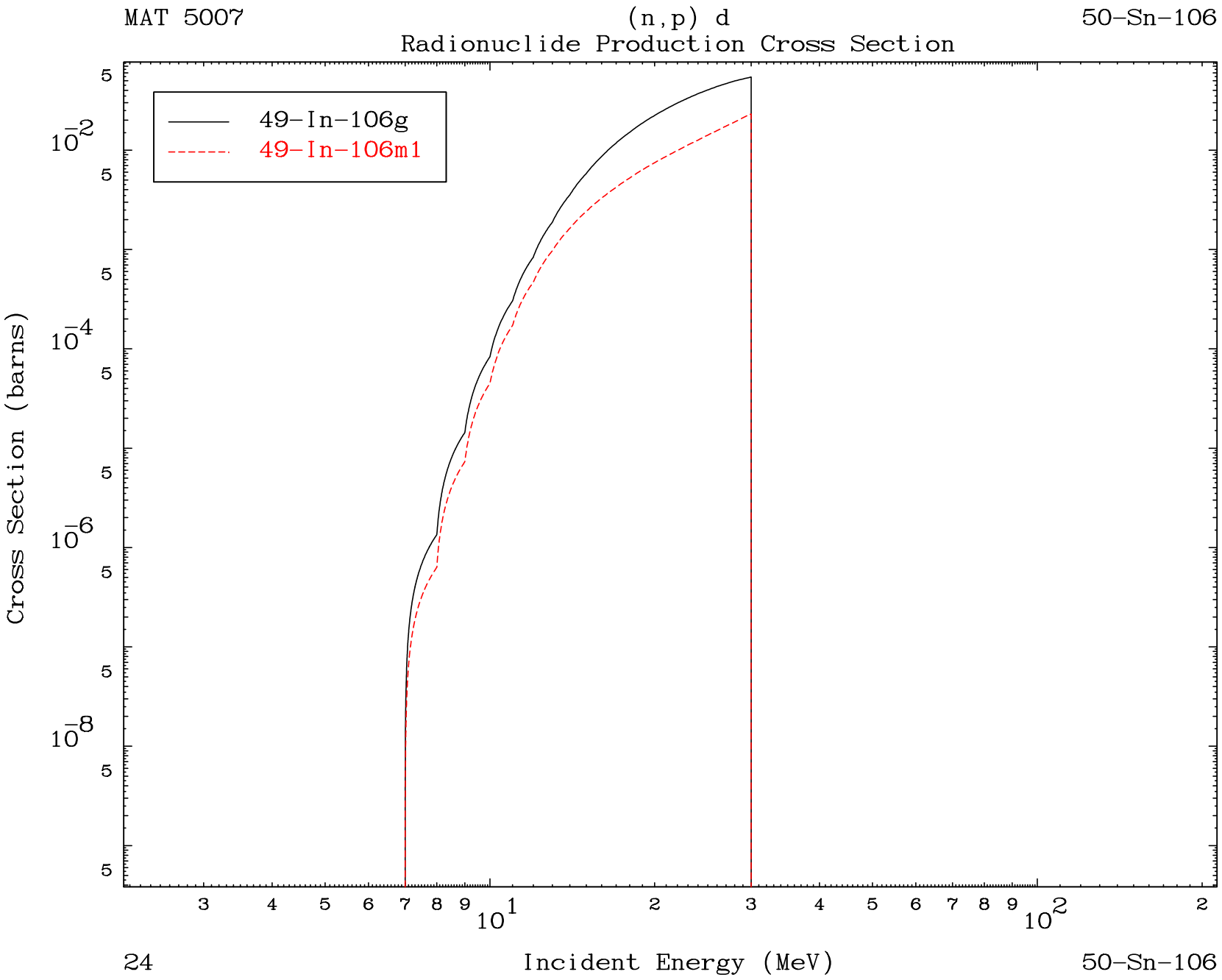

MAT 5007
(n,He-3)
50-Sn-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-106

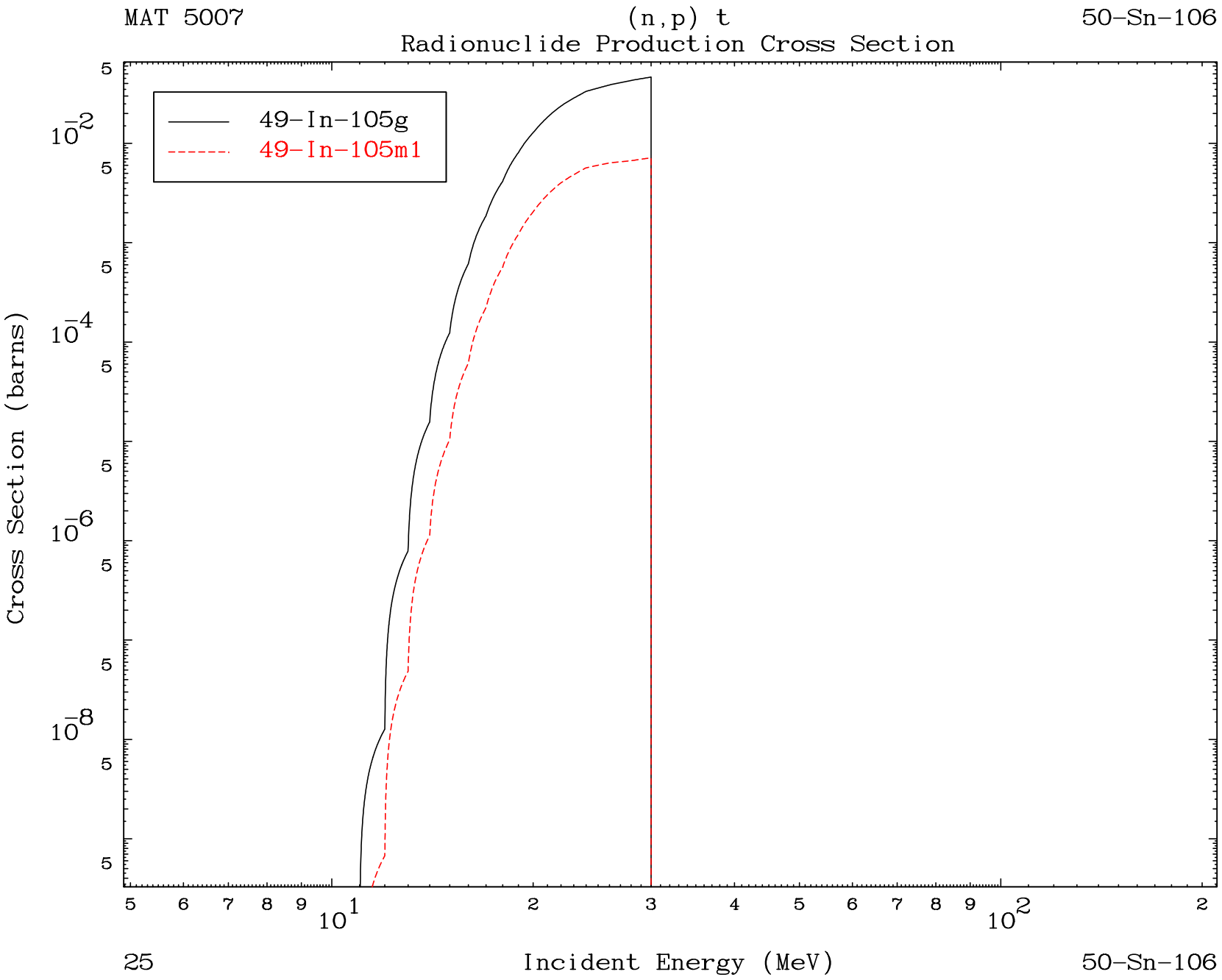

MAT 5007
(n,α)
50-Sn-106
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-106


MAT 5007
(n,2α)
50-Sn-106
Radionuclide Production Cross Section
47-Ag-101g
47-Ag-101m2
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-106


MAT 5007
(n,3α)
50-Sn-106
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-106


MAT 5007
(n,2p)
50-Sn-106
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-106


MAT 5007
(n,p) d
50-Sn-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-106


MAT 5007
(n,p) t
50-Sn-106
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
25
50-Sn-106