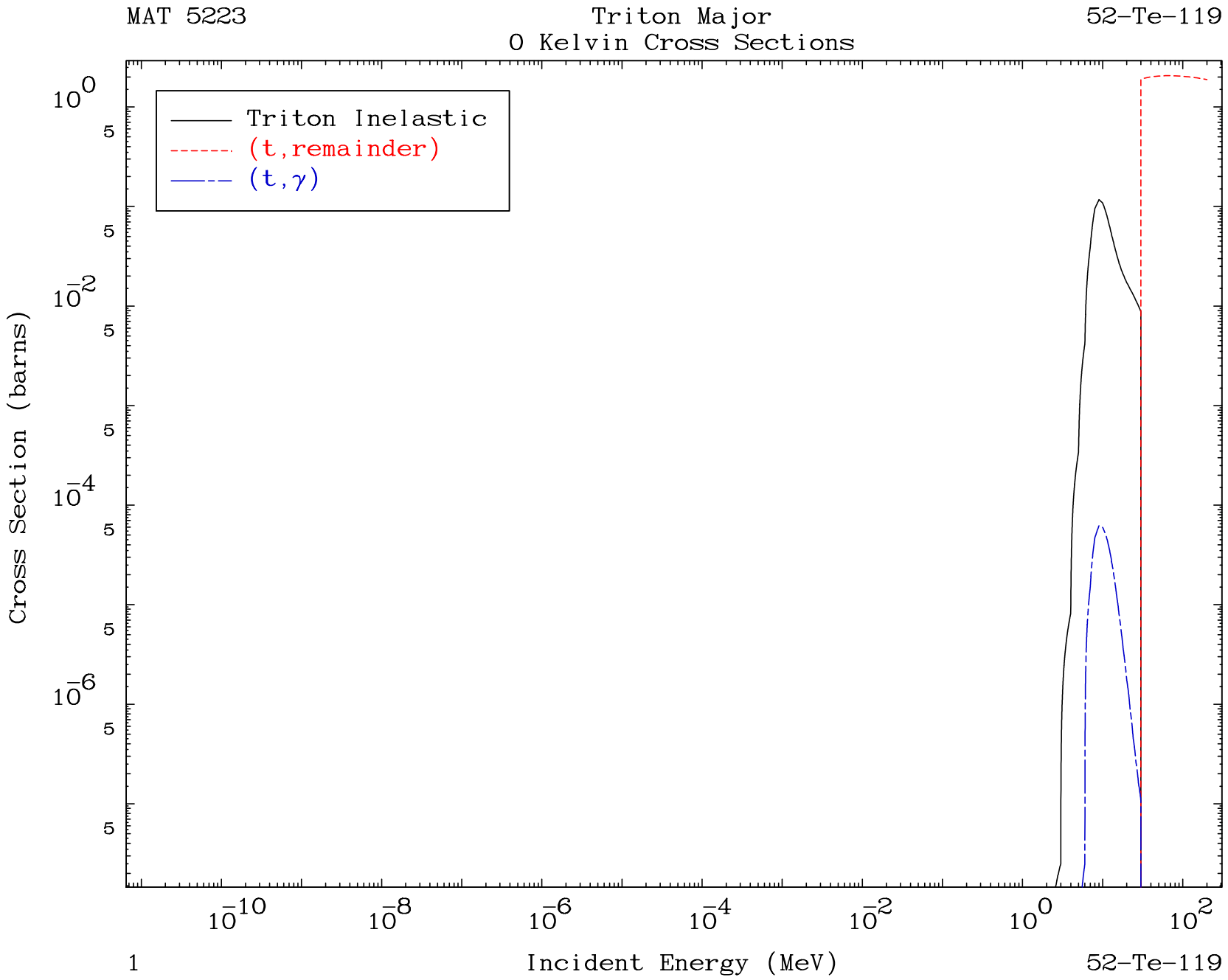
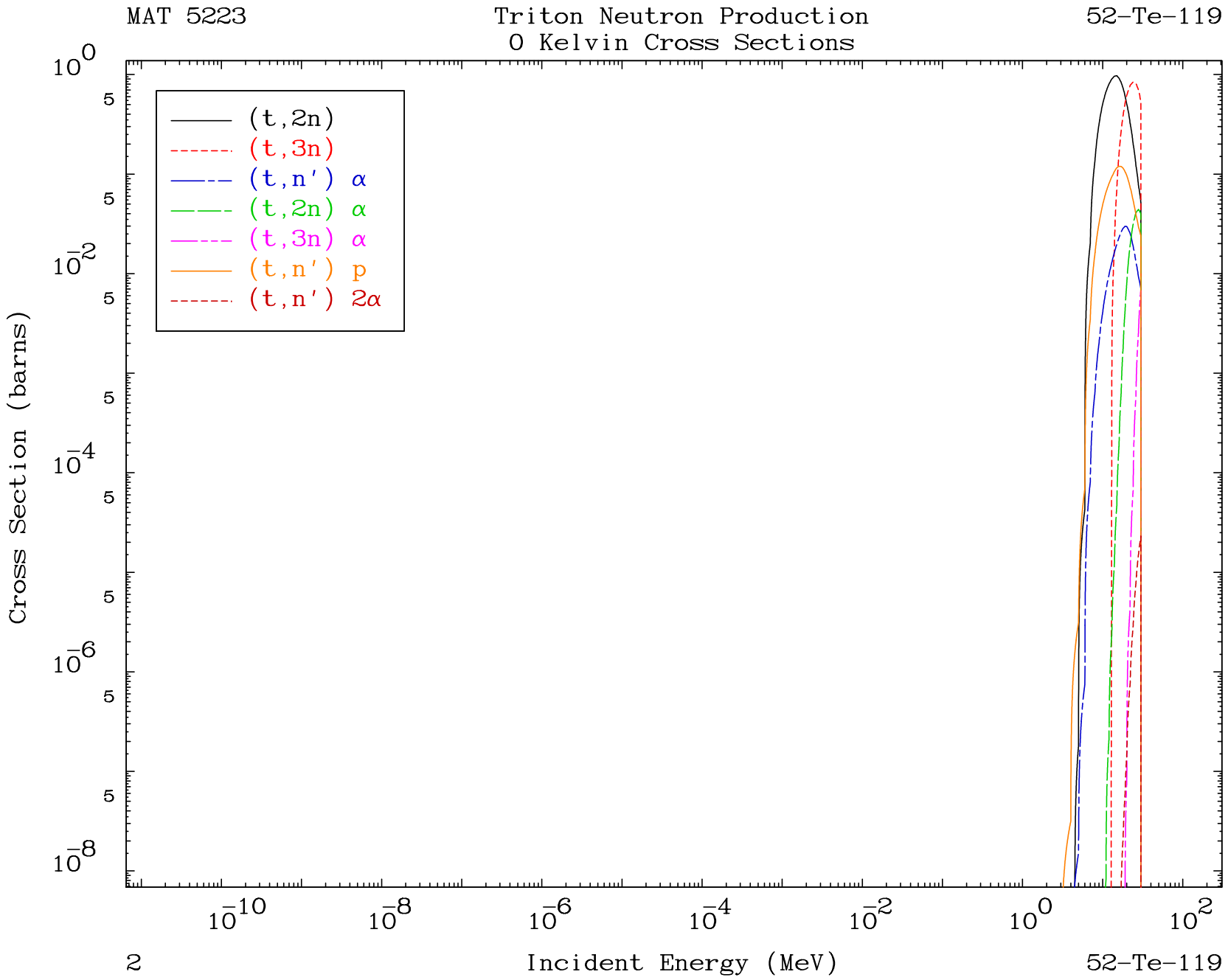
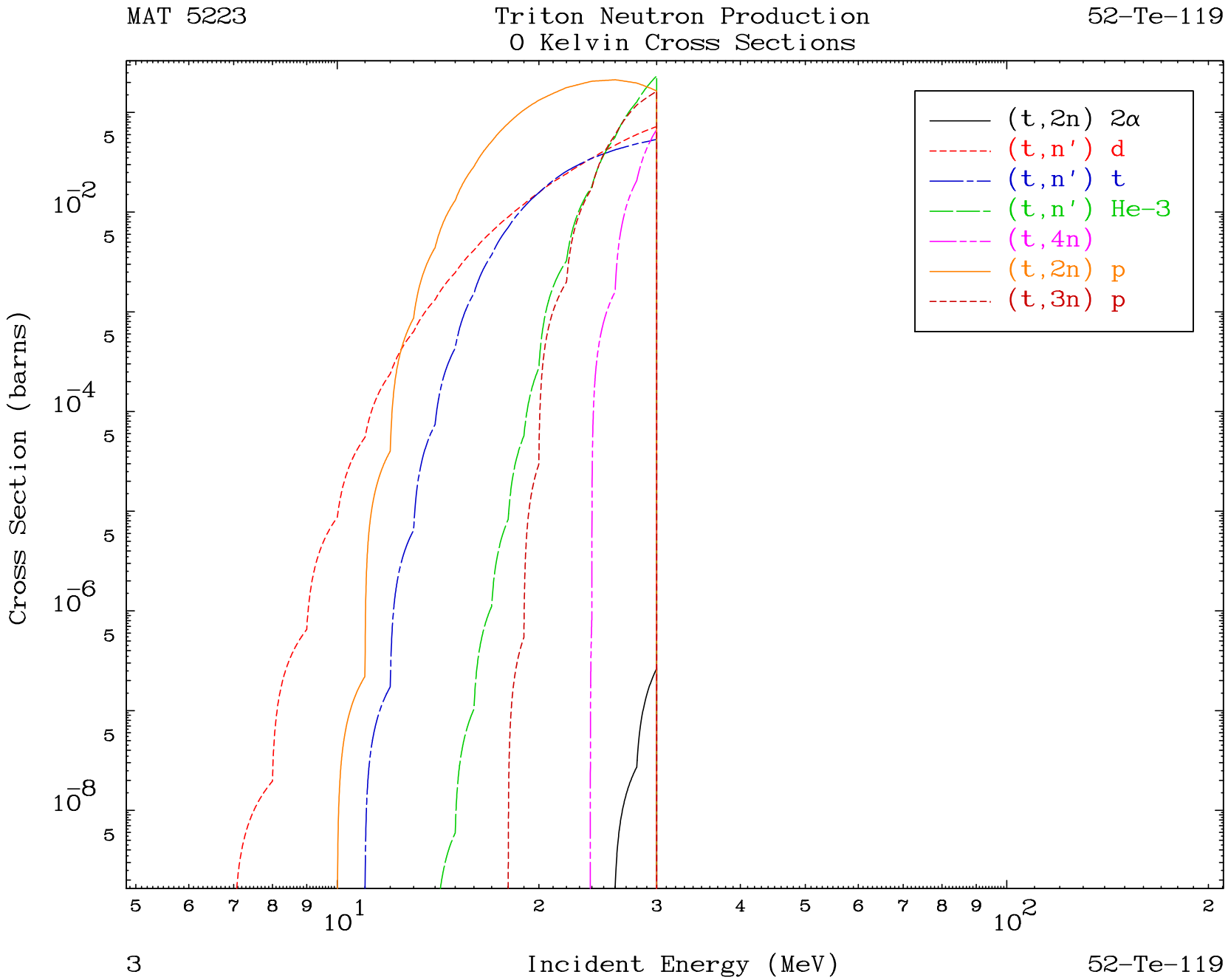
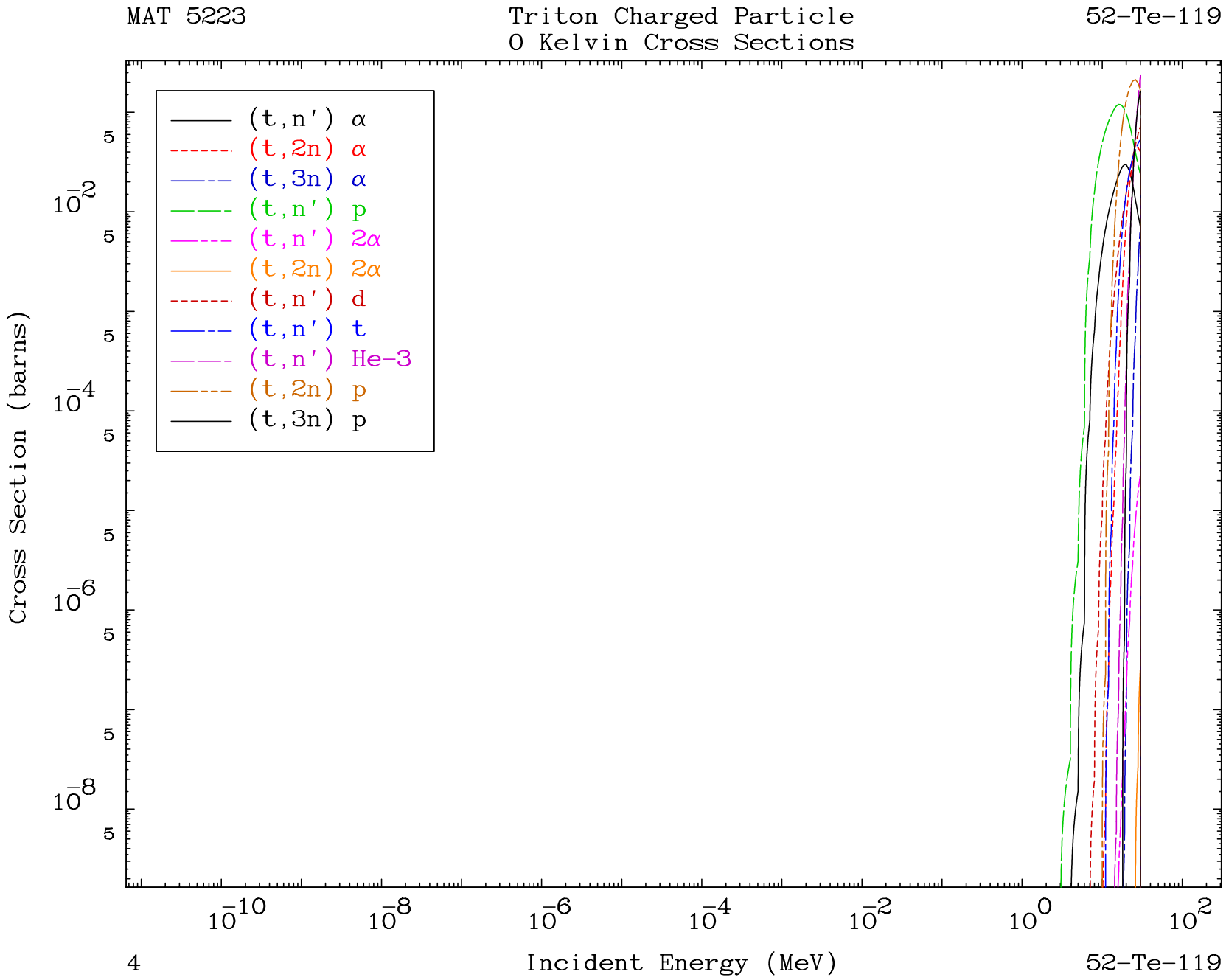
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

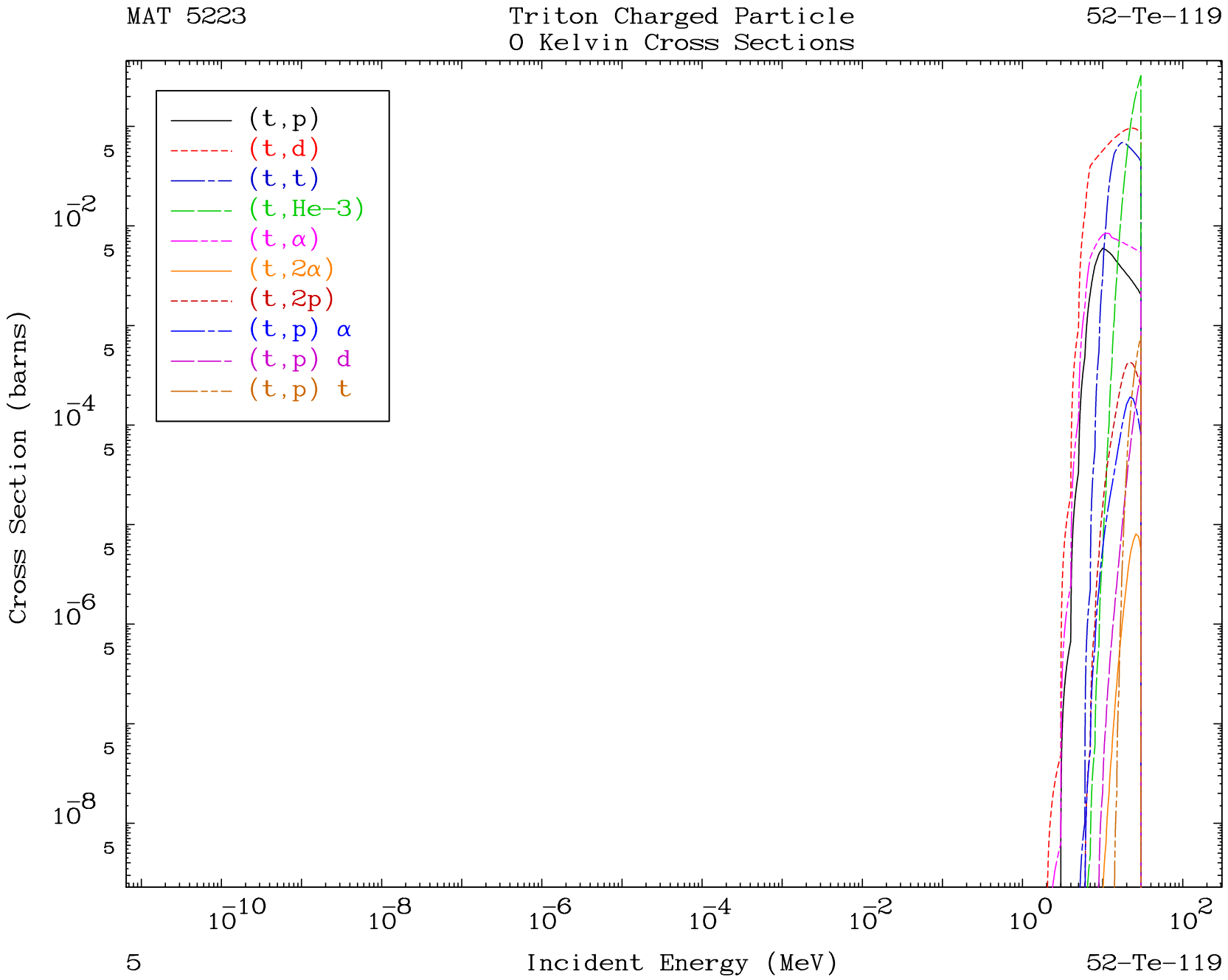
Press Mouse Button to Start

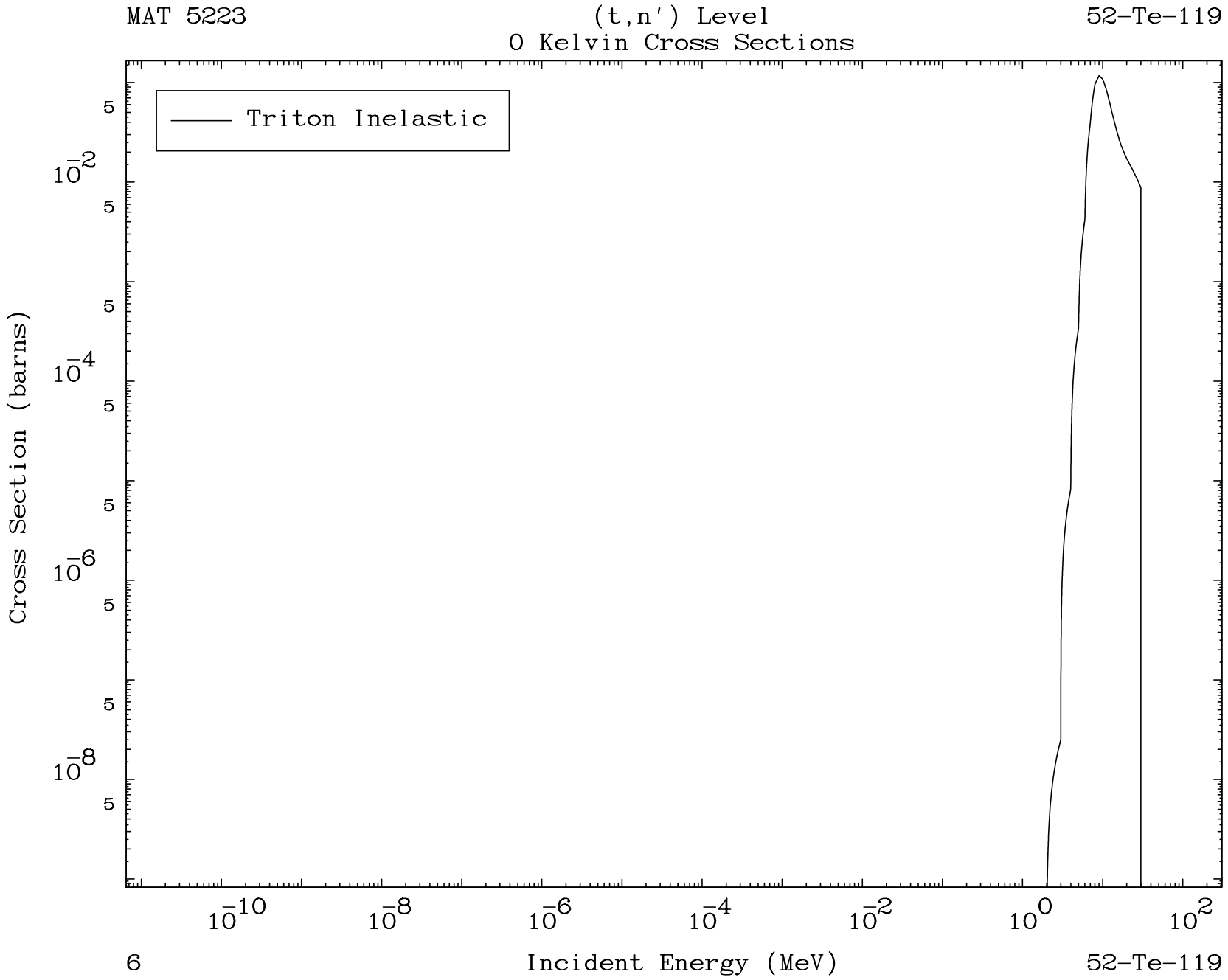

MAT 5223
Triton Major
52-Te-119
0 Kelvin Cross Sections
Triton Inelastic
(t,remainder)
(t,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-119
1

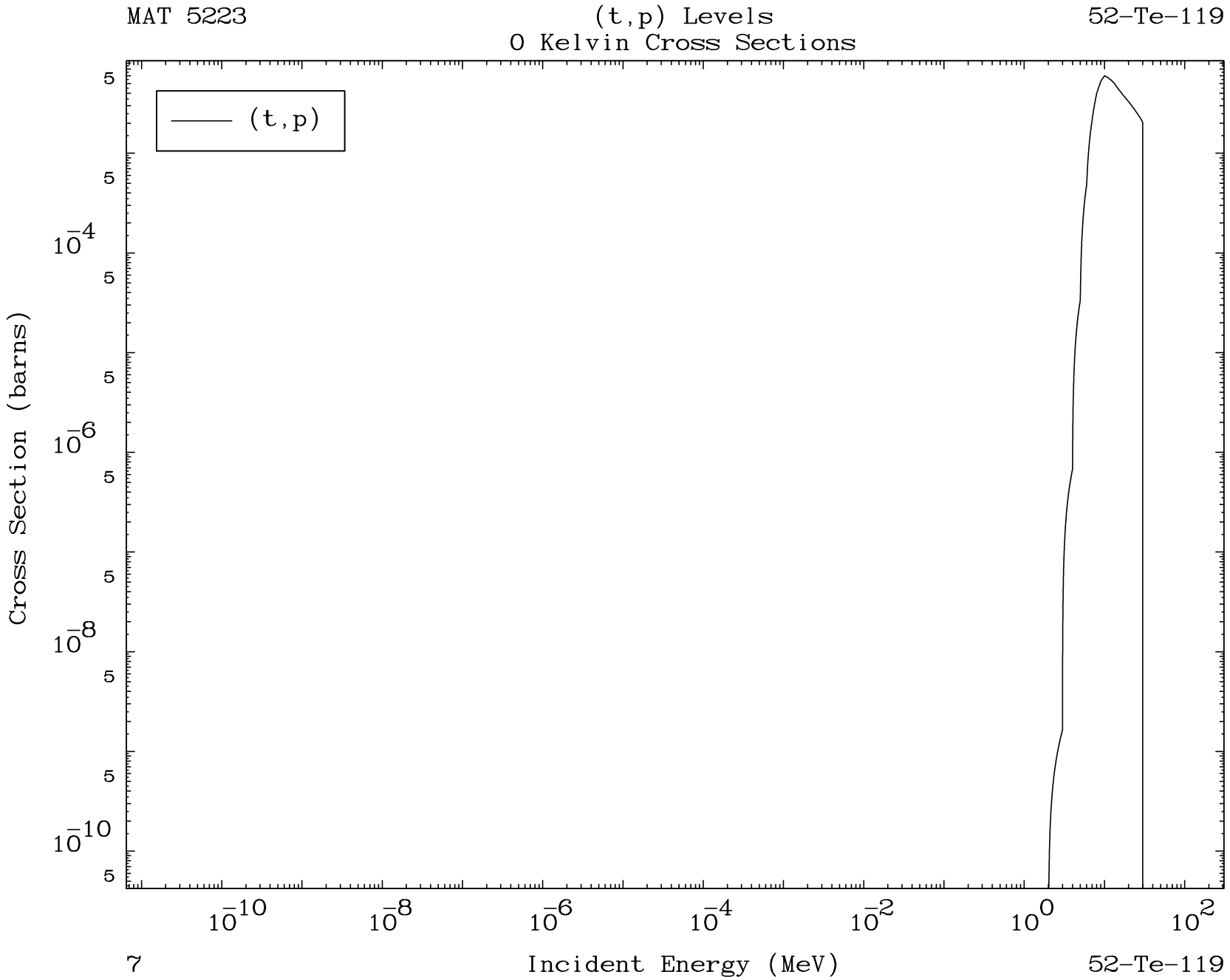

MAT 5223
Triton Neutron Production
0 Kelvin Cross Sections
52-Te-119
(t,2n)
(t,3n)
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
52-Te-119

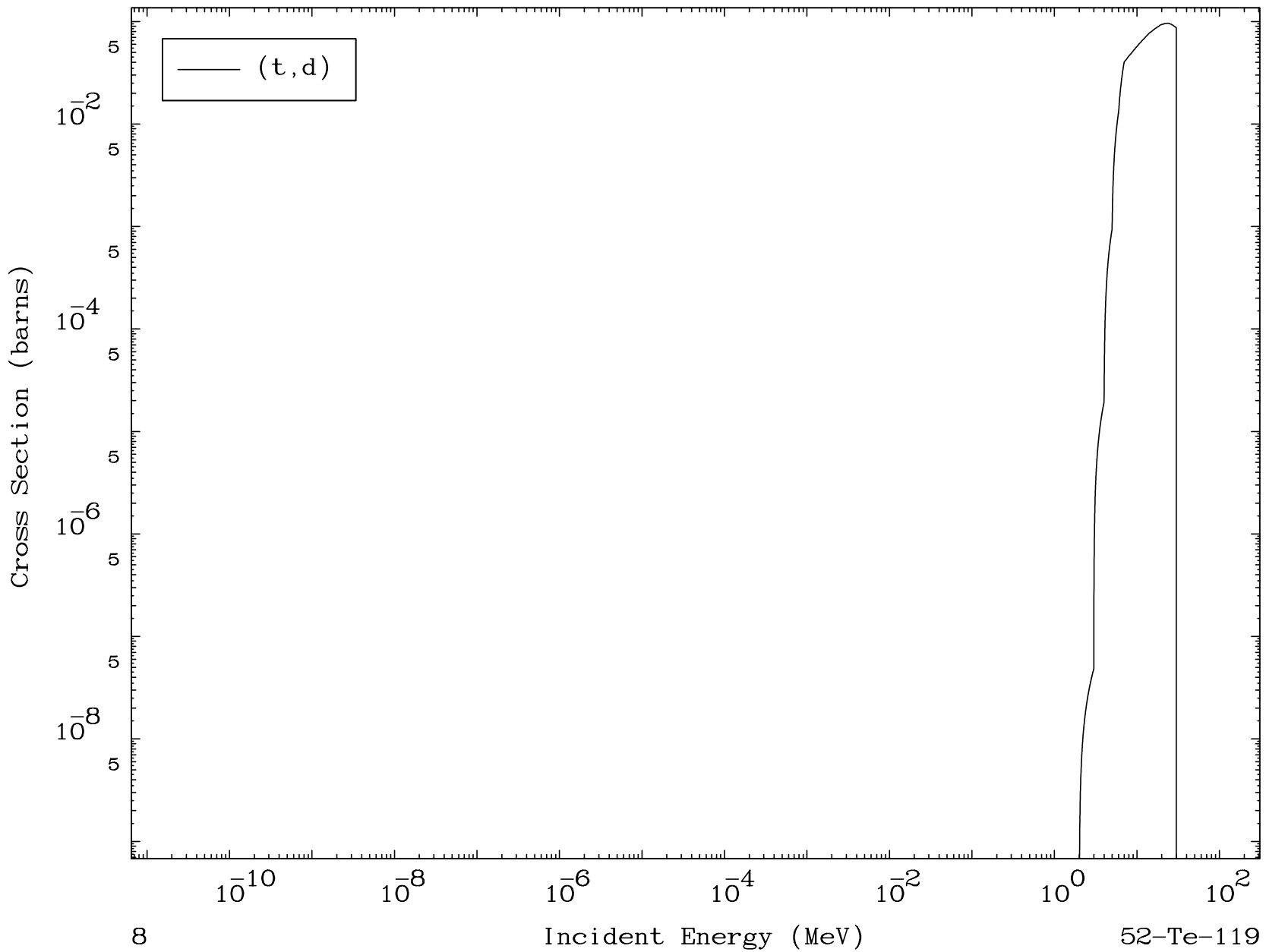

MAT 5223
Triton Neutron Production
0 Kelvin Cross Sections
52-Te-119
(t,2n) 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,4n)
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-119

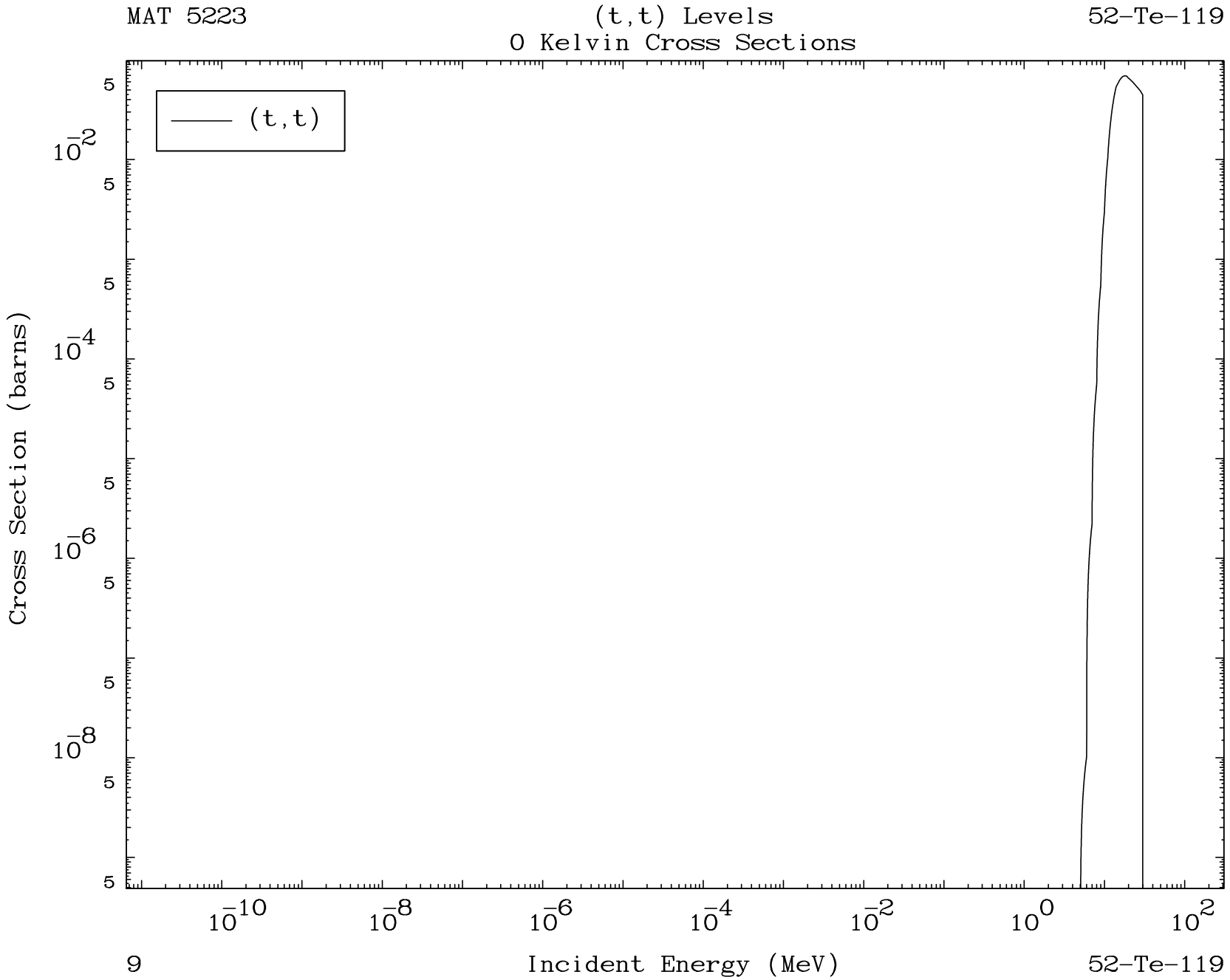

MAT 5223
Triton Charged Particle
0 Kelvin Cross Sections
52-Te-119
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
(t,2n) 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-119

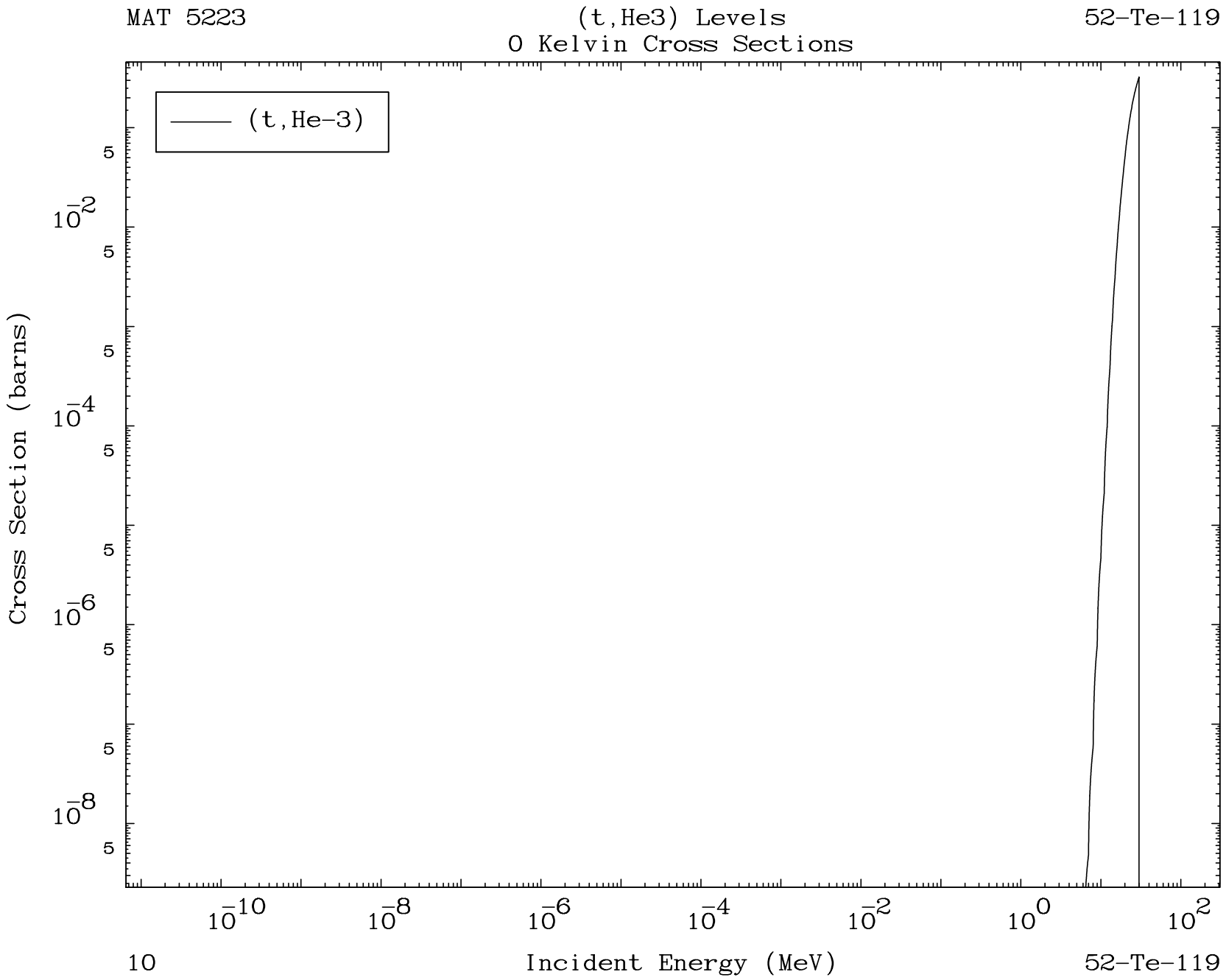

MAT 5223
Triton Charged Particle
0 Kelvin Cross Sections
52-Te-119
(t,p)
(t,d)
(t,t)
(t,He-3)
(t,α)
(t,2α)
(t,2p)
(t,p) α
(t,p) d
(t,p) t
Cross Section (barns)
Incident Energy (MeV)
52-Te-119

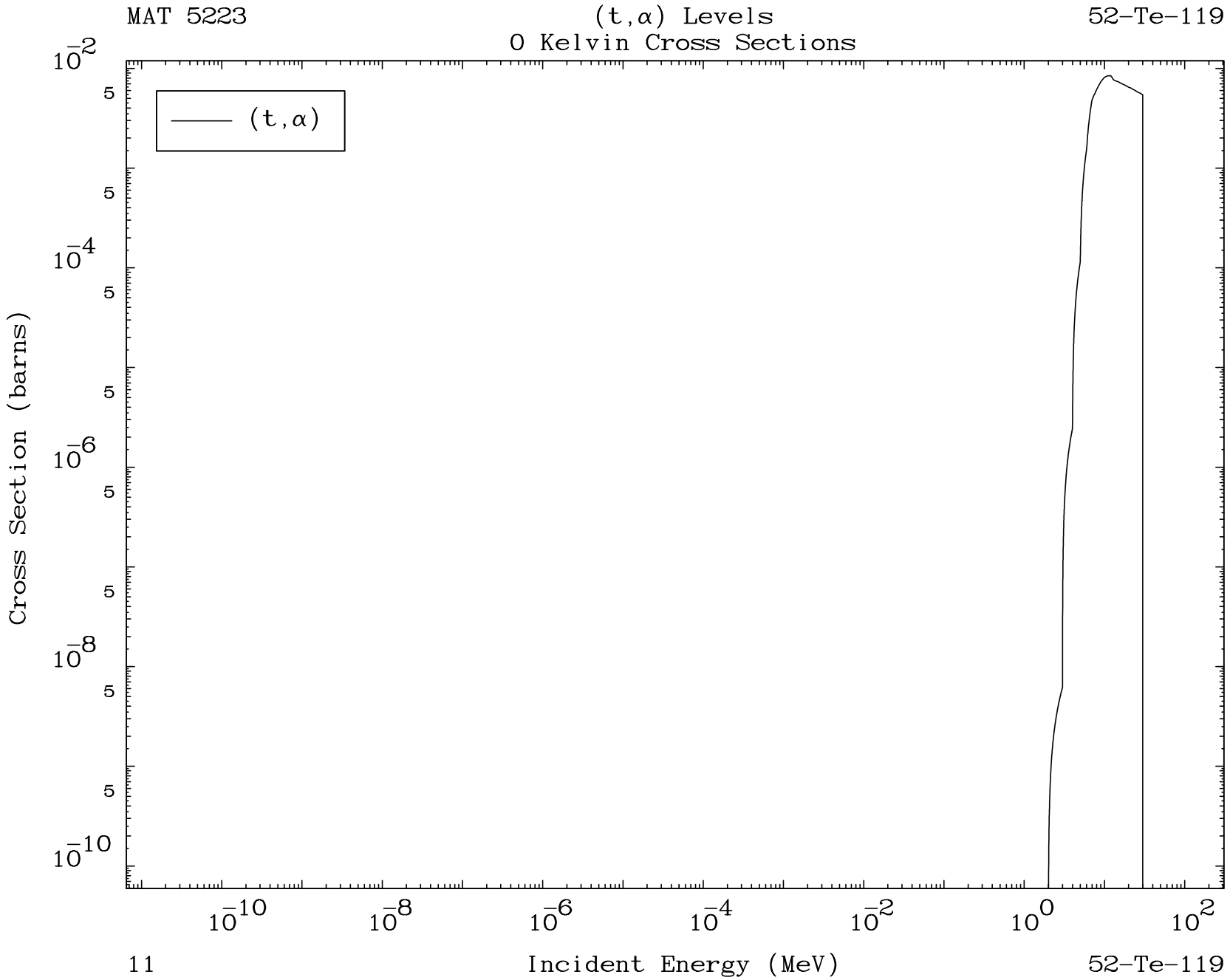

MAT 5223
(t,n') Level
52-Te-119
0 Kelvin Cross Sections
Triton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
52-Te-119

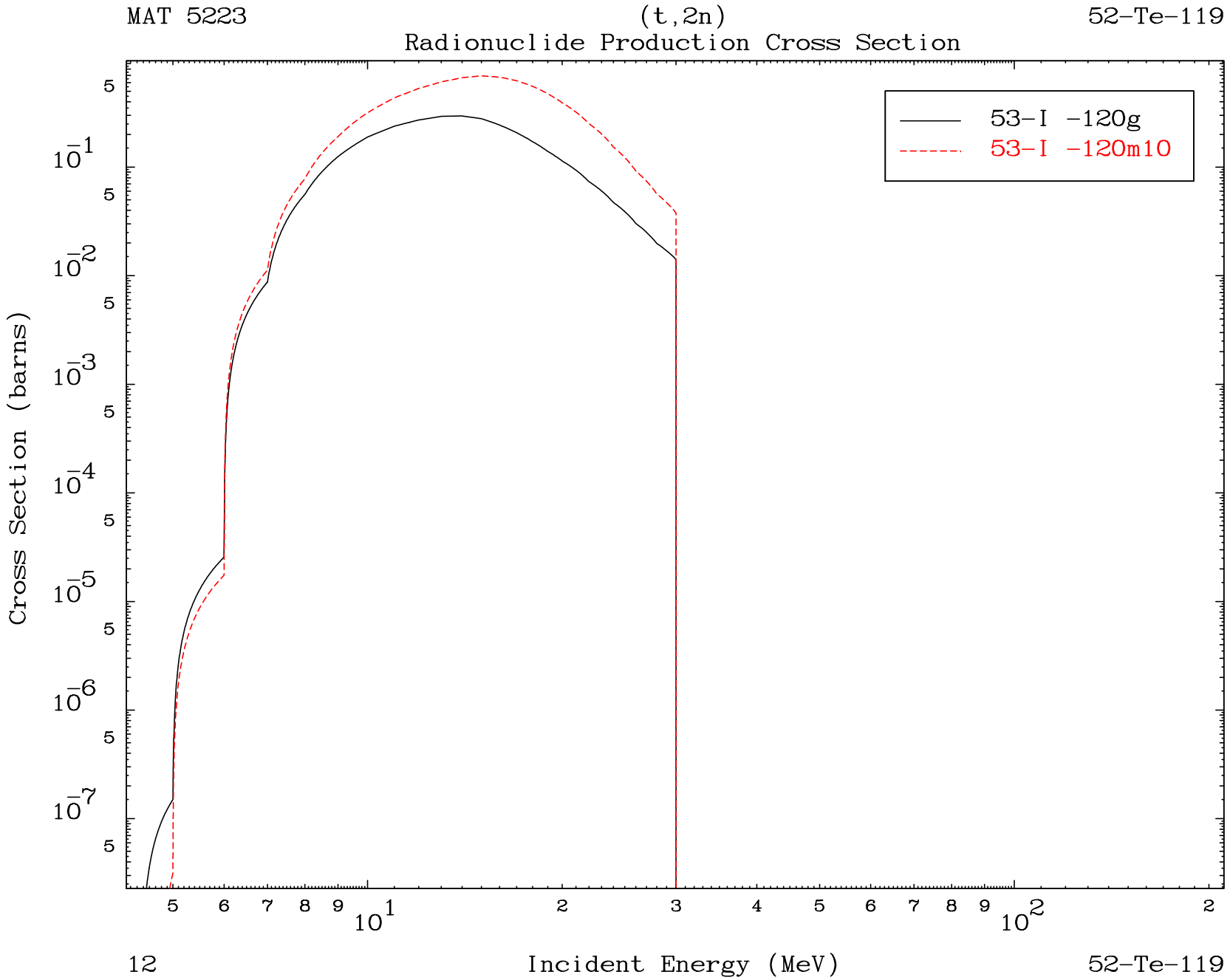

MAT 5223
(t,p) Levels
52-Te-119
0 Kelvin Cross Sections
(t,p)
Cross Section (barns)
Incident Energy (MeV)
7
52-Te-119

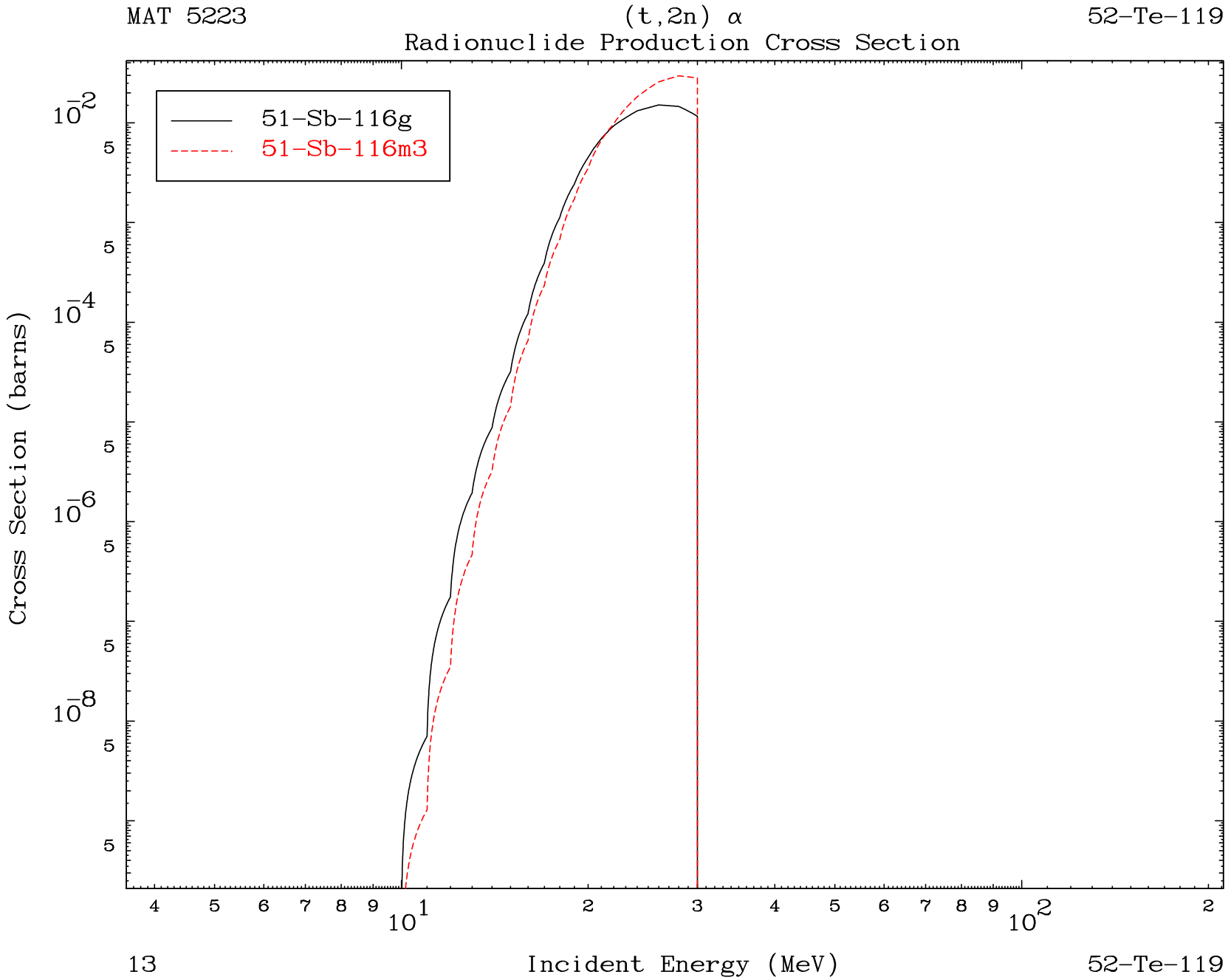

0 Kelvin Cross Sections
(t,d)
Cross Section (barns)
Incident Energy (MeV)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2

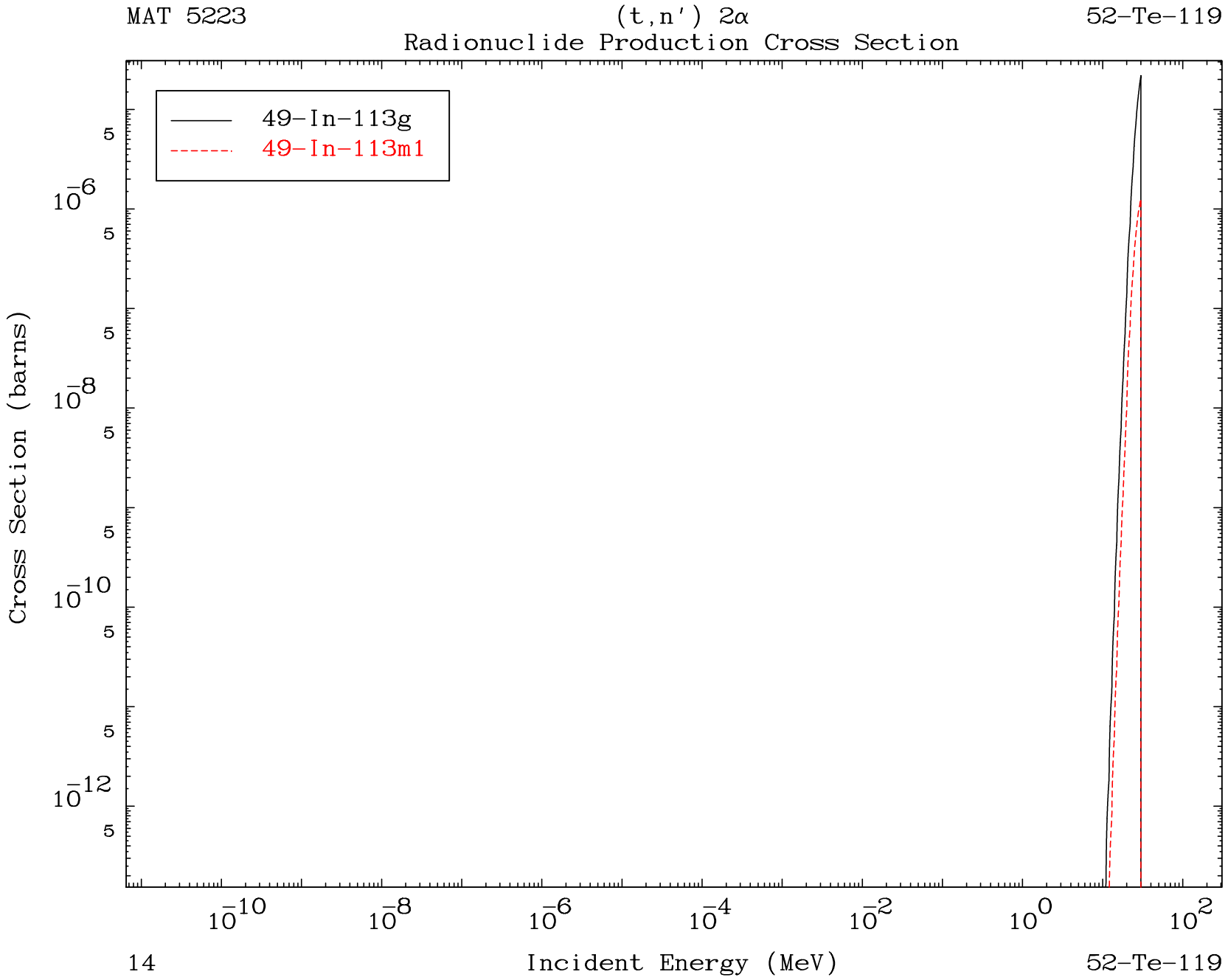

MAT 5223
(t,t) Levels
52-Te-119
0 Kelvin Cross Sections
(t,t)
Cross Section (barns)
Incident Energy (MeV)
9
52-Te-119

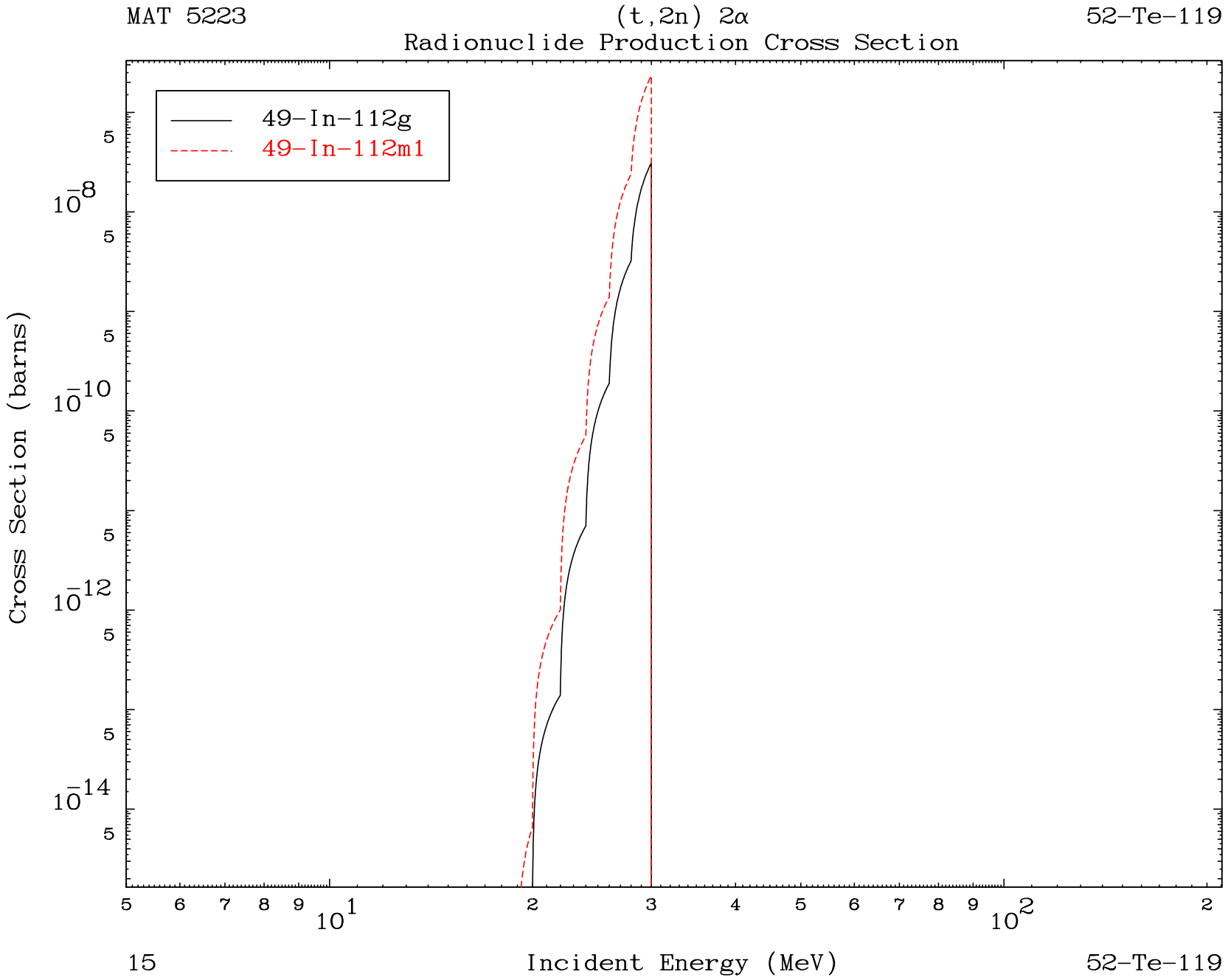

MAT 5223
(t,He3) Levels
52-Te-119
0 Kelvin Cross Sections
(t,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
52-Te-119

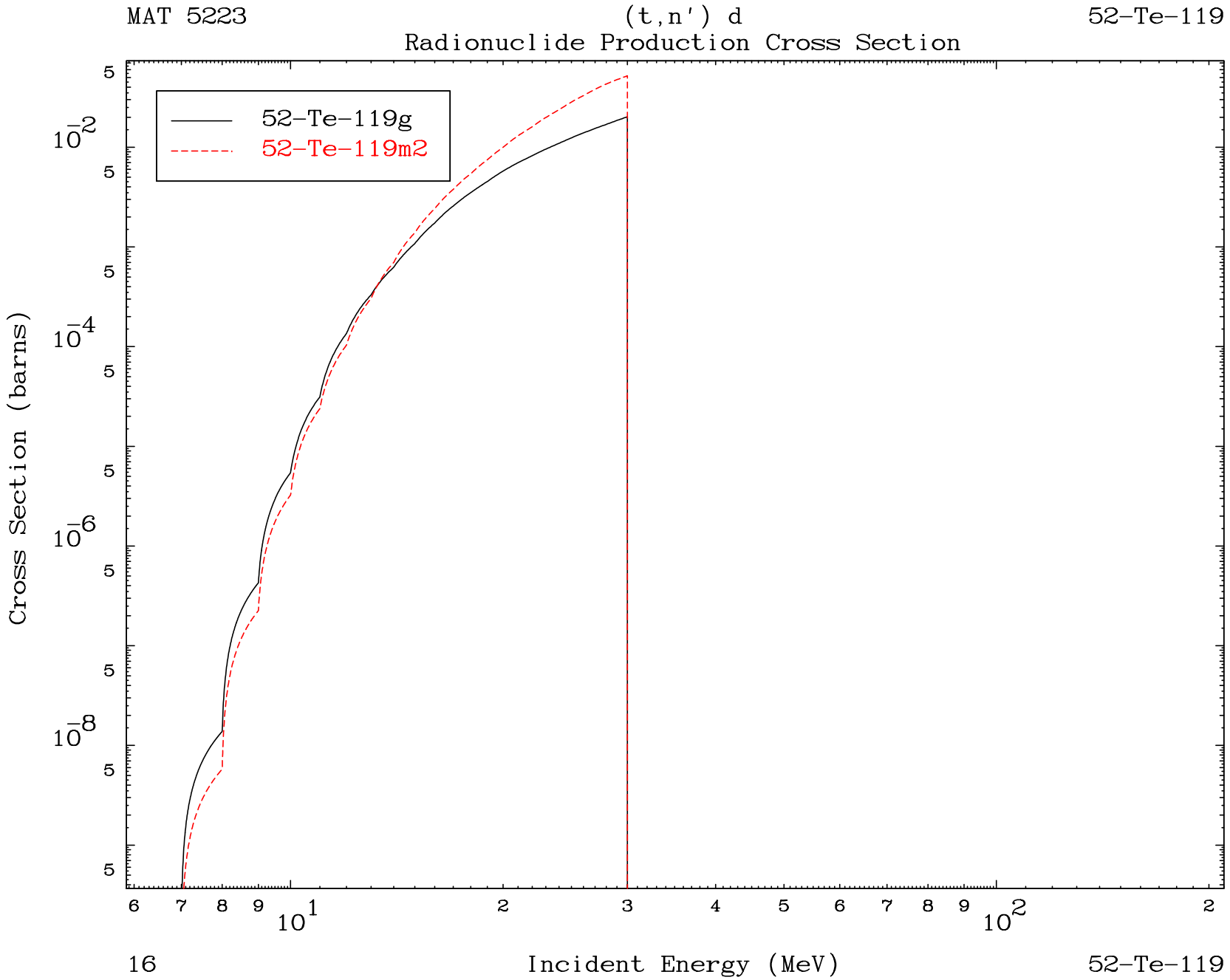

MAT 5223
(t,α) Levels
52-Te-119
0 Kelvin Cross Sections
(t,α)
Cross Section (barns)
Incident Energy (MeV)
11
52-Te-119

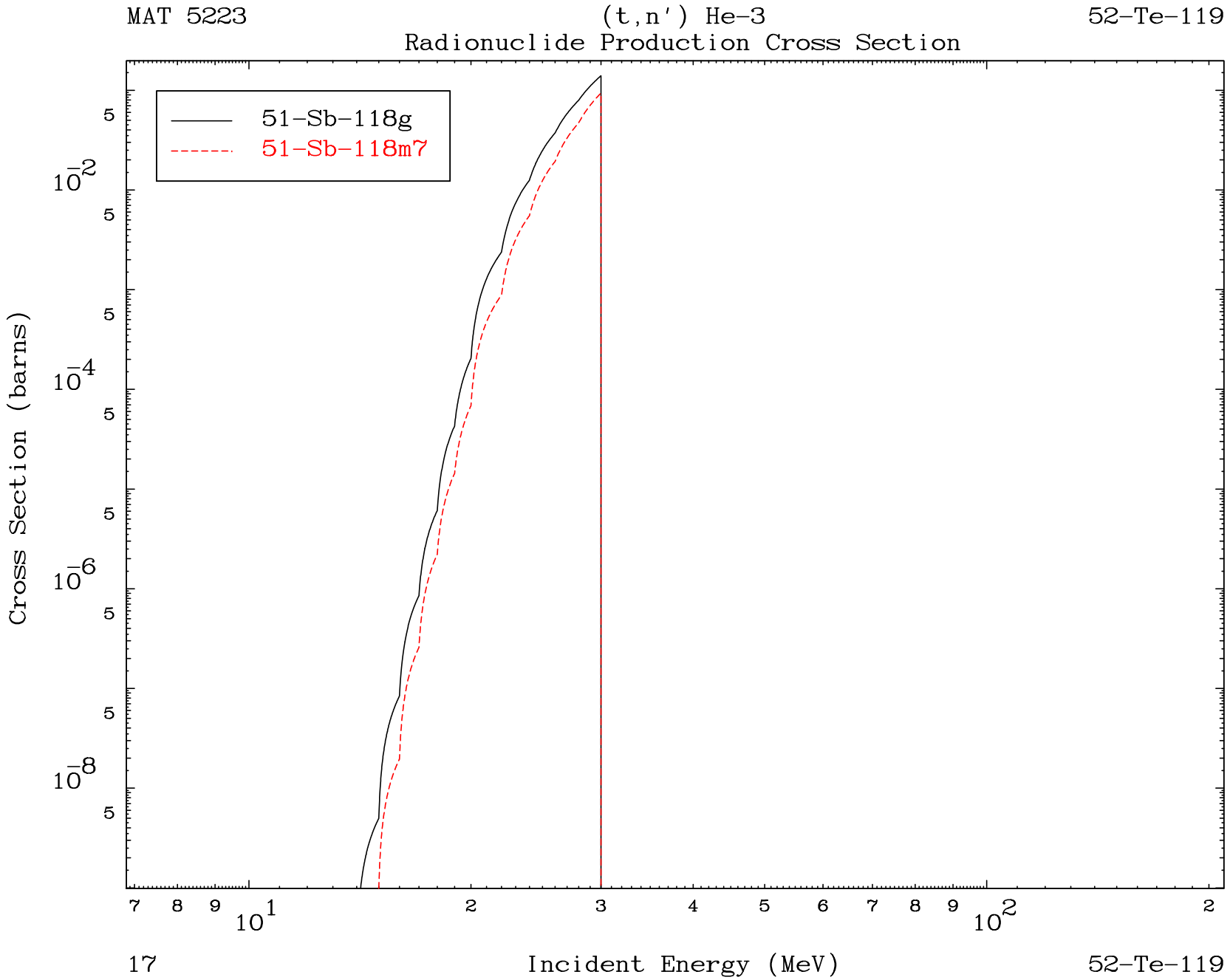

MAT 5223
(t,2n)
52-Te-119
Radionuclide Production Cross Section
53-I -120g
53-I -120m10
Cross Section (barns)
Incident Energy (MeV)
12
52-Te-119

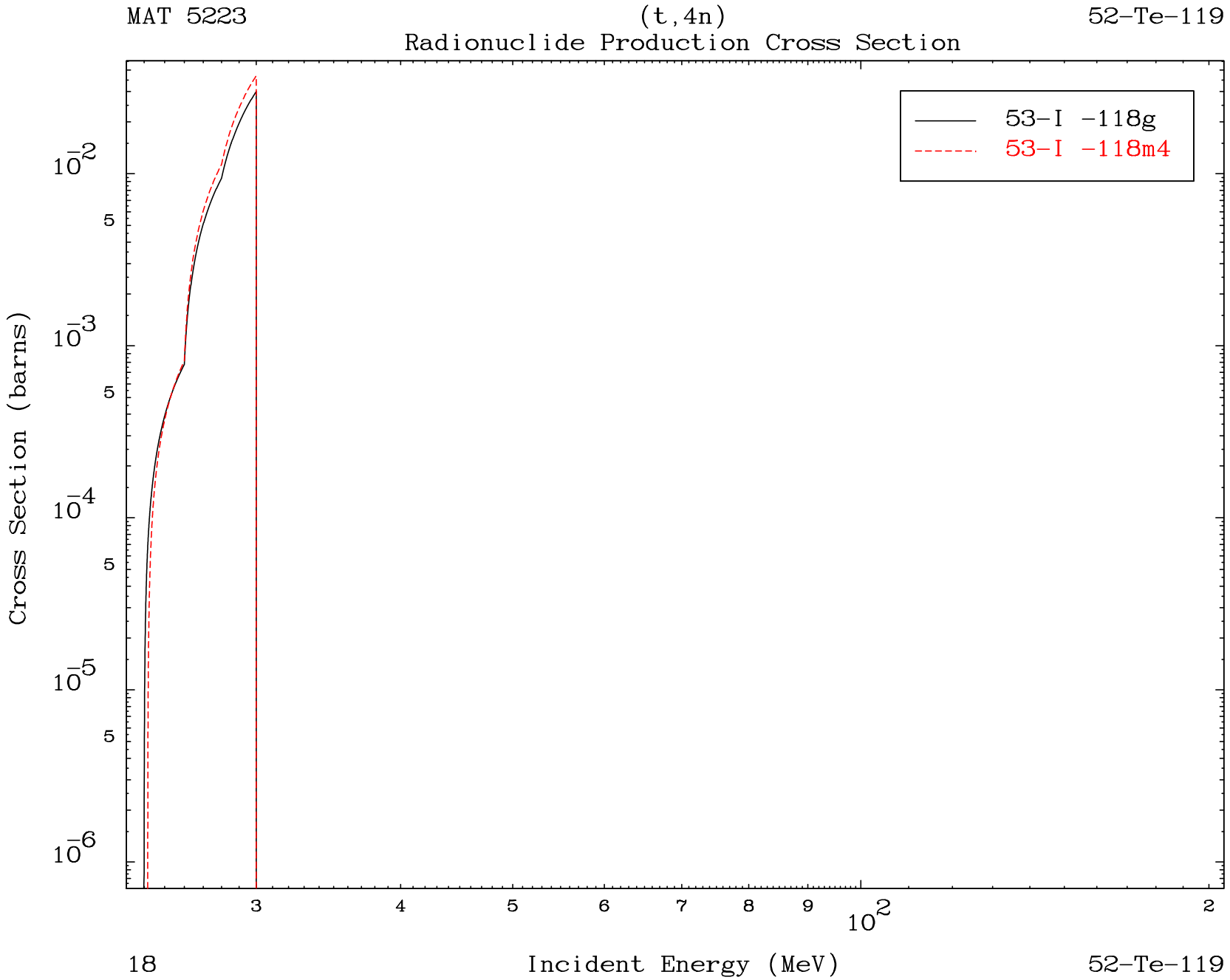

MAT 5223
(t,2n) α
52-Te-119
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
13
Incident Energy (MeV)
52-Te-119

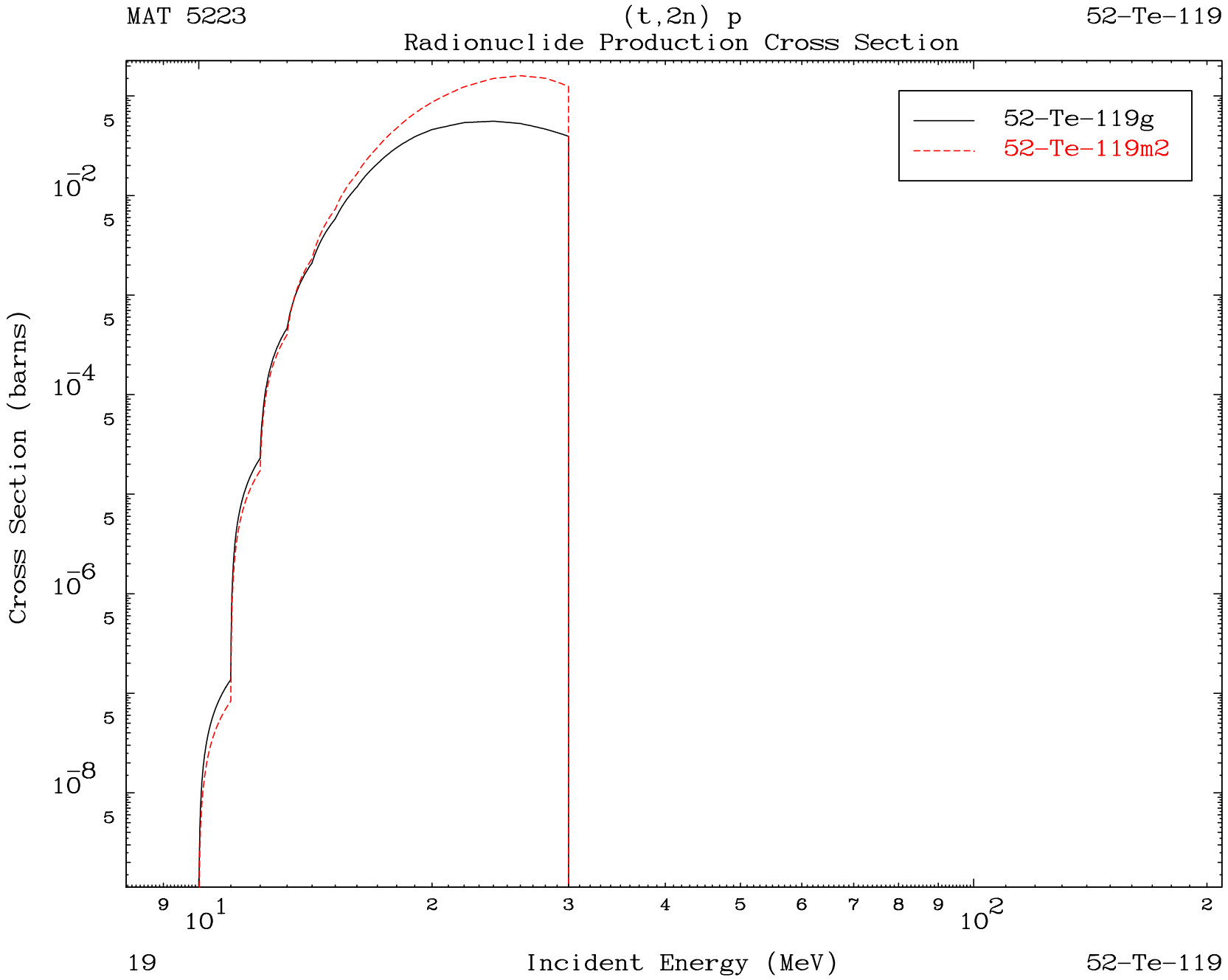

MAT 5223
(t,n') 2α
52-Te-119
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
14
Incident Energy (MeV)
52-Te-119

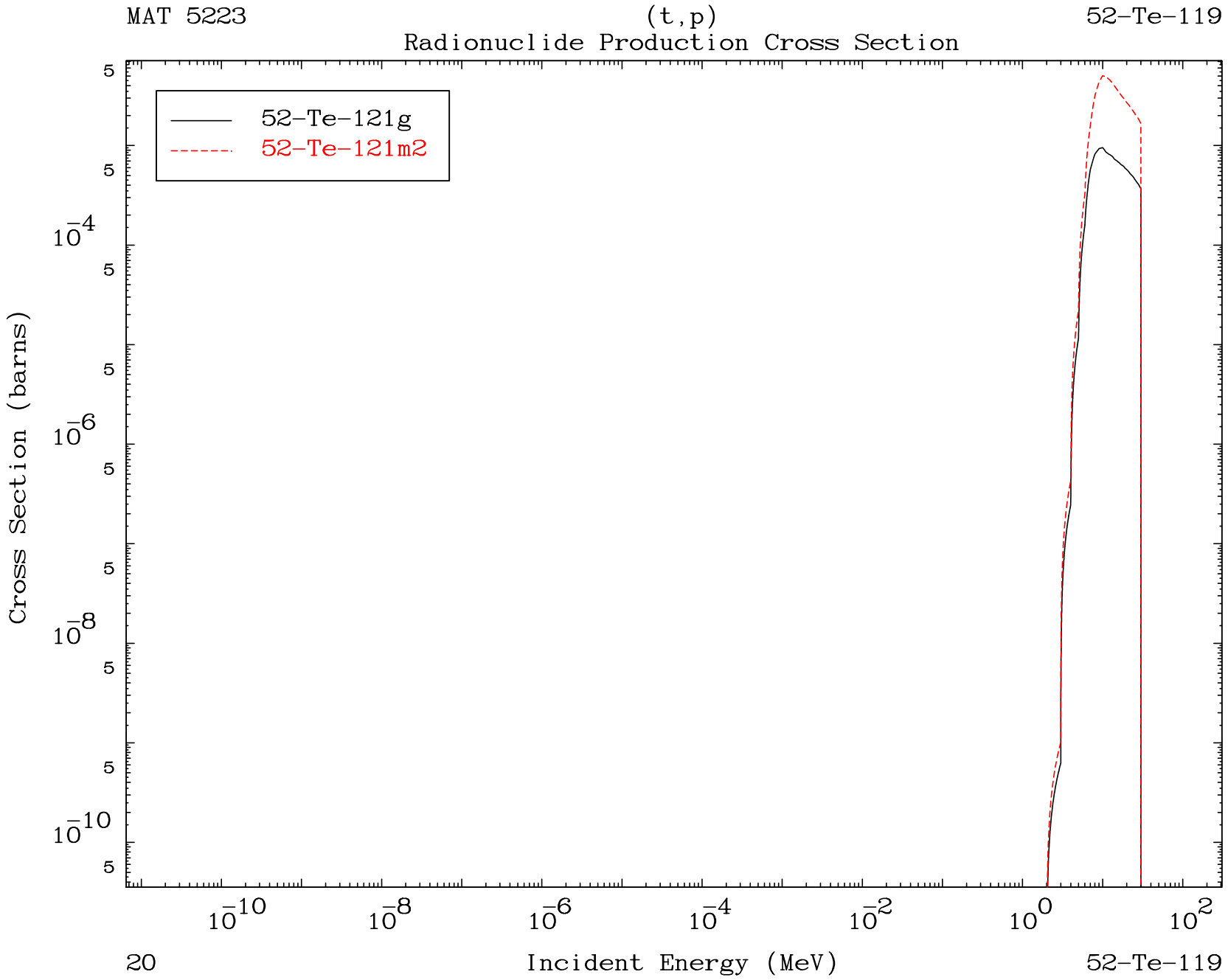

MAT 5223
(t,2n) 2α
52-Te-119
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
Incident Energy (MeV)
15
52-Te-119

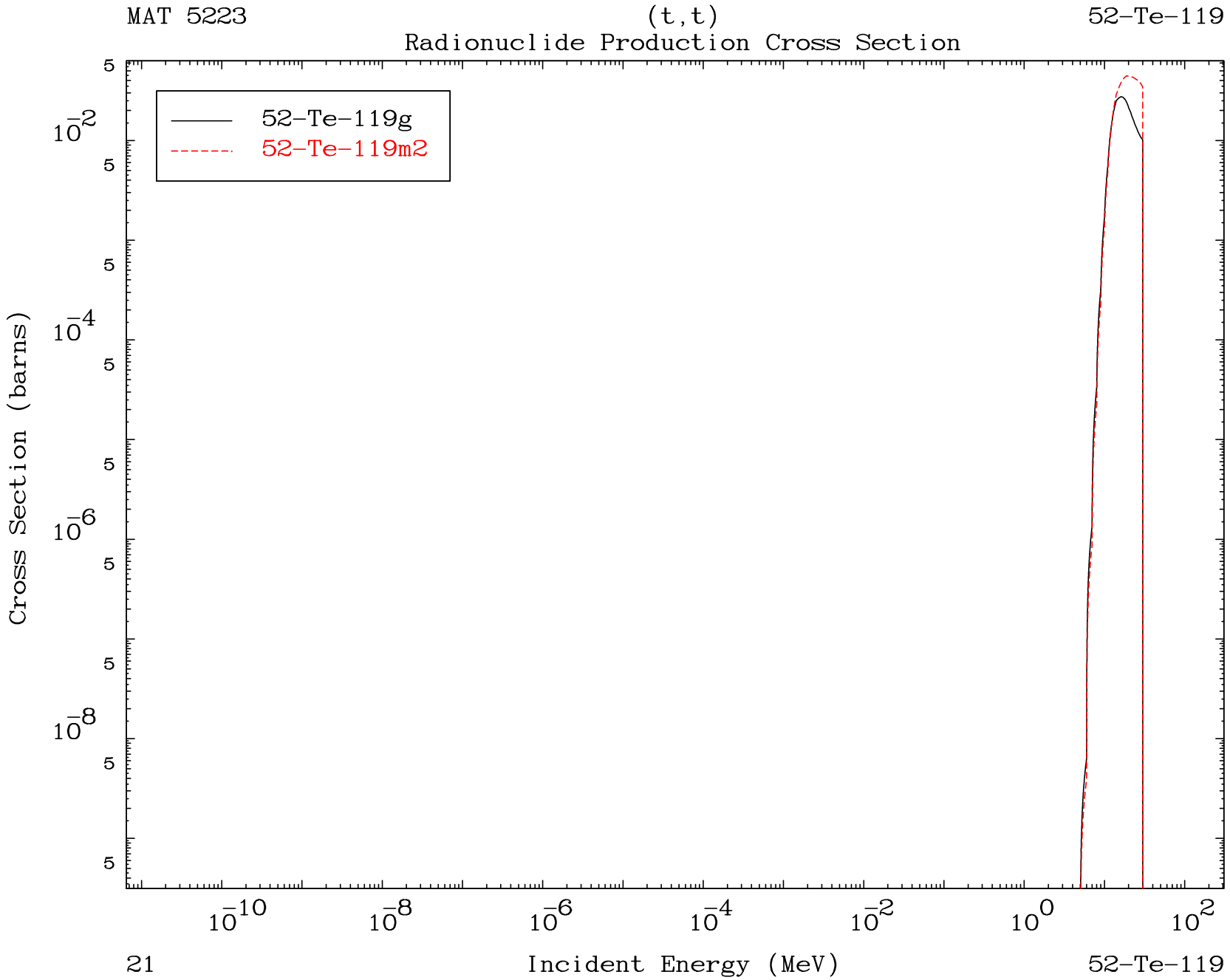

MAT 5223
(t,n') d
52-Te-119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-119

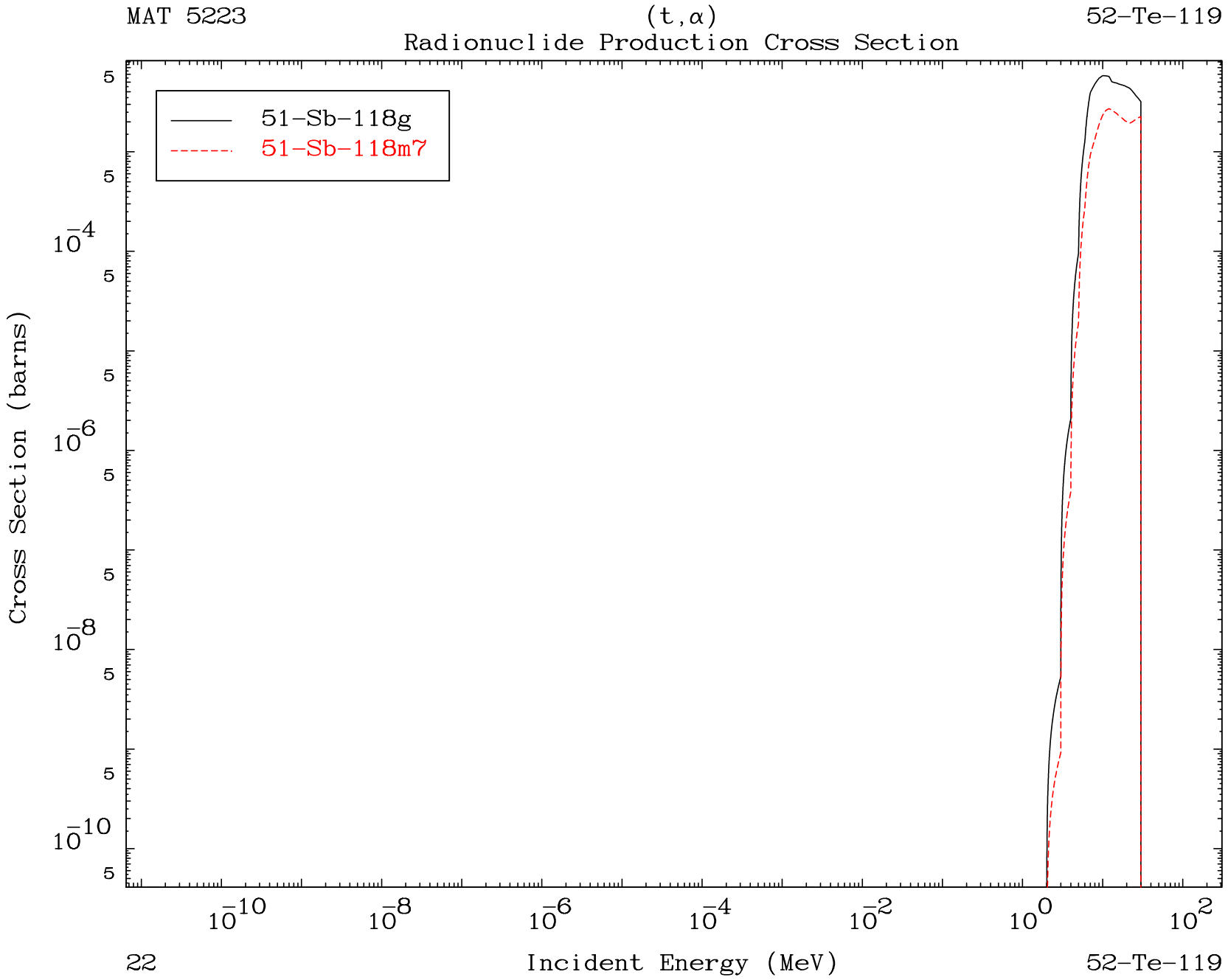

MAT 5223
(t,n') He-3
52-Te-119
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
17
Incident Energy (MeV)
52-Te-119

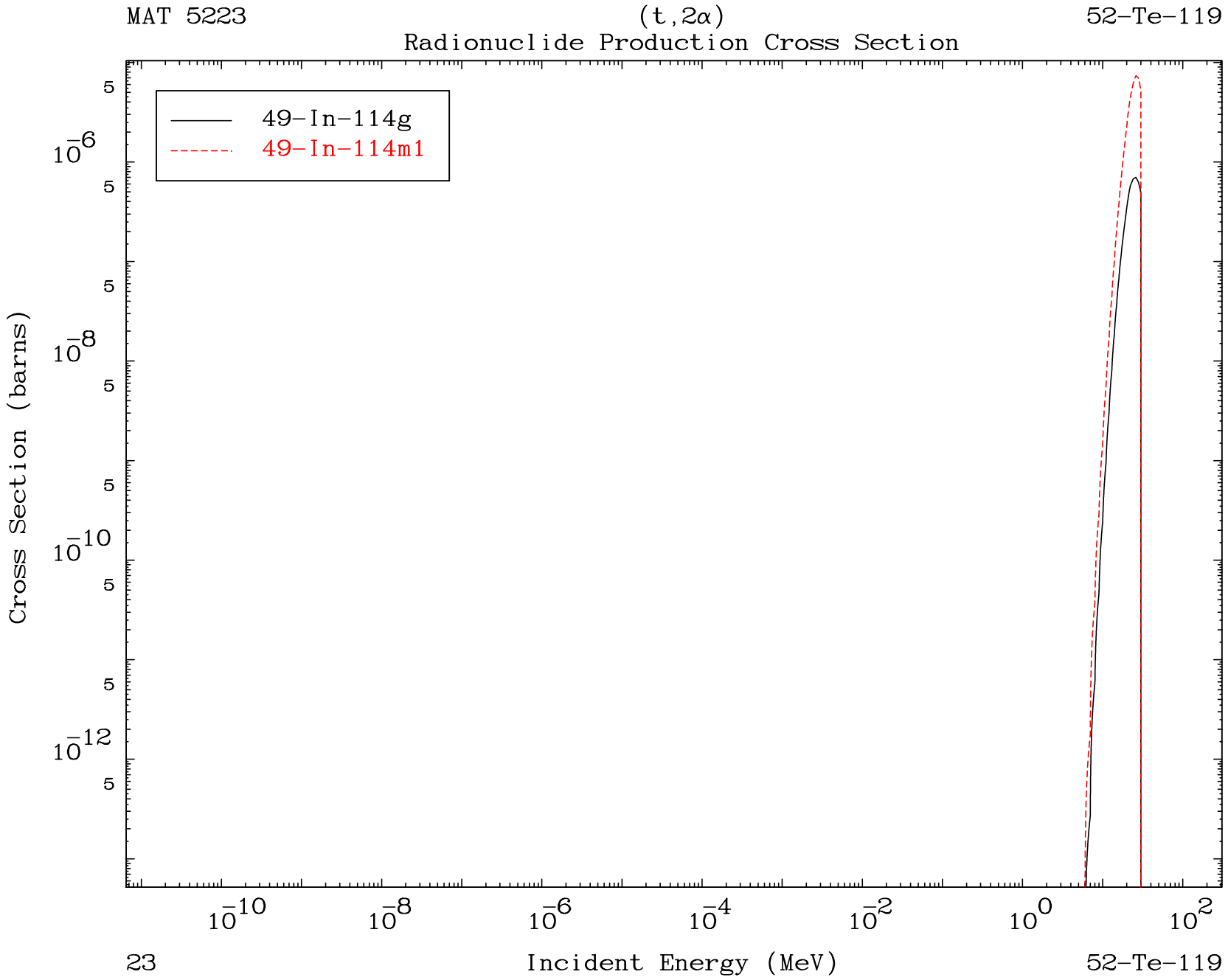

MAT 5223
(t,4n)
52-Te-119
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
52-Te-119

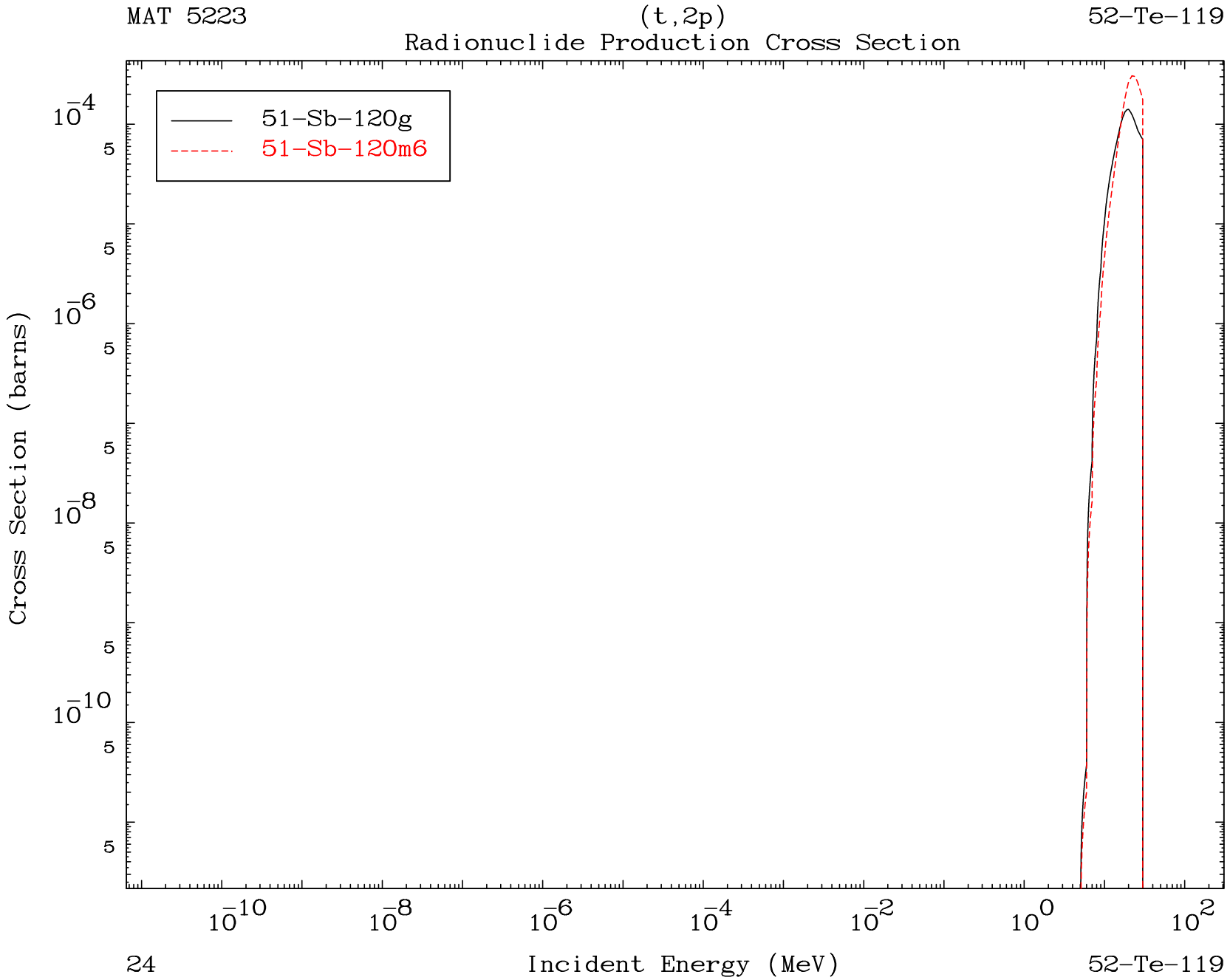

MAT 5223
(t,2n) p
52-Te-119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
19
52-Te-119

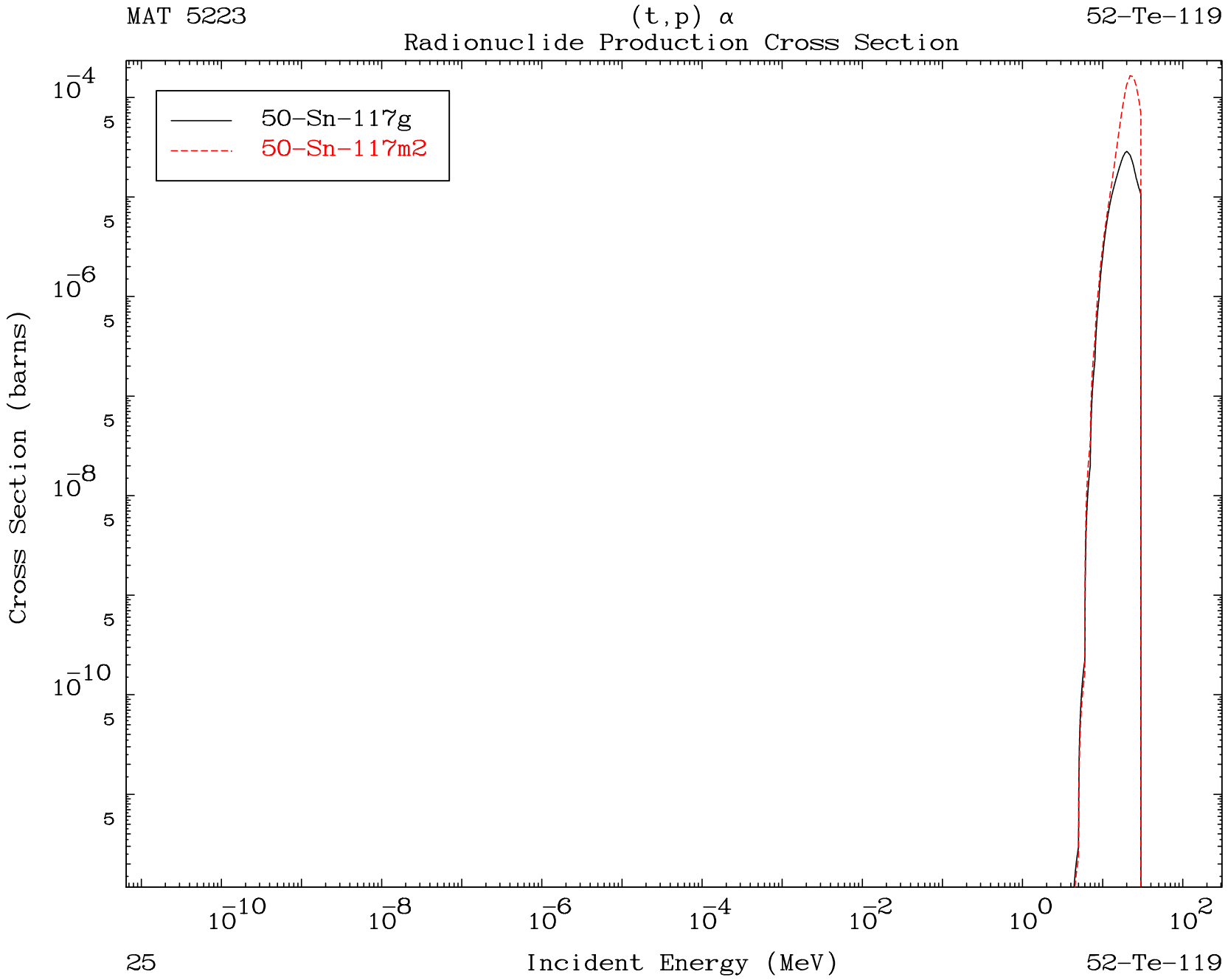

MAT 5223
(t,p)
52-Te-119
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
Incident Energy (MeV)
20
52-Te-119

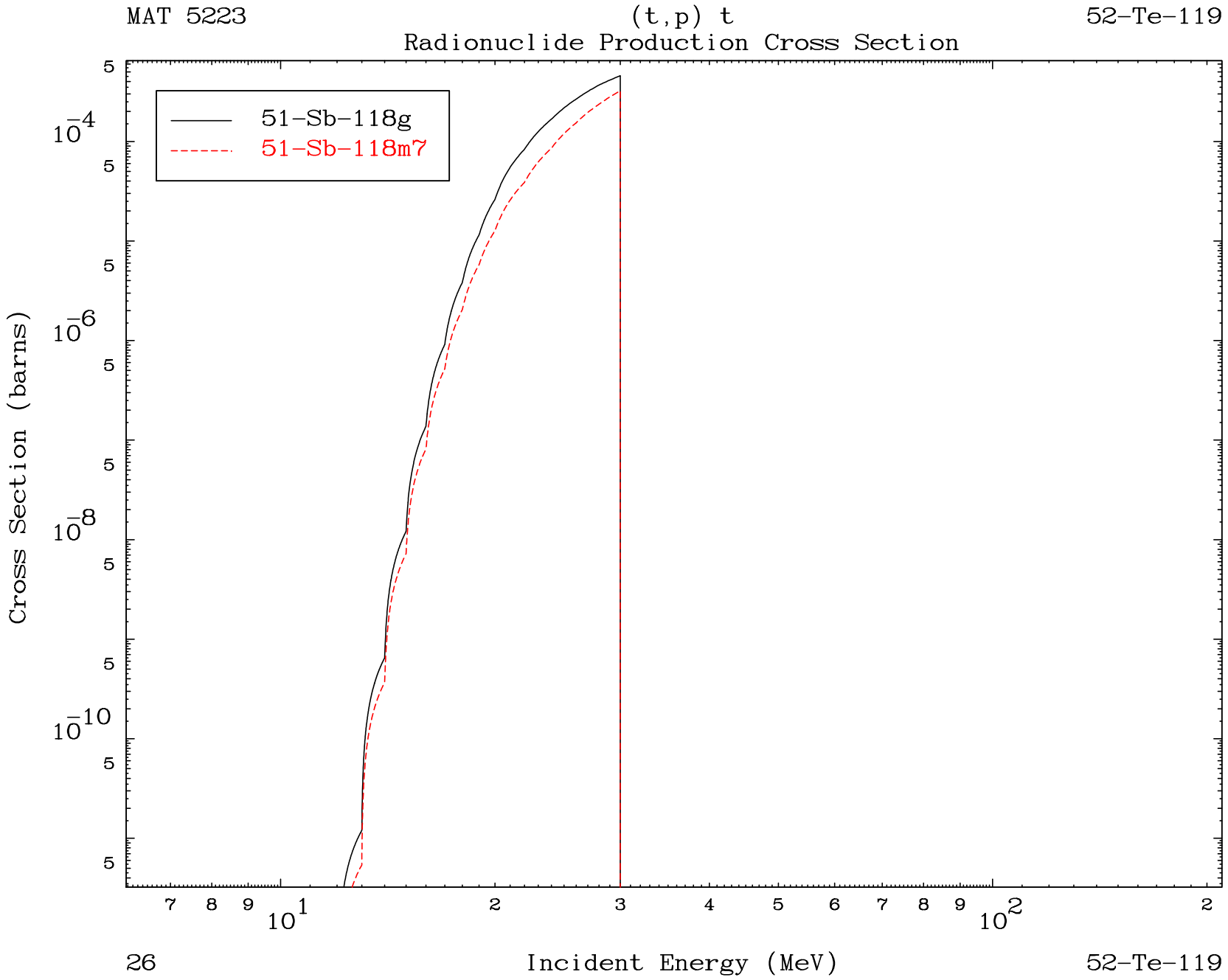

MAT 5223
(t,t)
52-Te-119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
21
52-Te-119


MAT 5223
(t,α)
52-Te-119
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
22
52-Te-119


MAT 5223
(t,2α)
52-Te-119
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
23
Incident Energy (MeV)
52-Te-119


MAT 5223
(t,2p)
52-Te-119
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m6
Cross Section (barns)
Incident Energy (MeV)
24
52-Te-119


MAT 5223
(t,p) α
52-Te-119
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
25
52-Te-119


MAT 5223
(t,p) t
52-Te-119
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
26
52-Te-119