Program EVALPLOT
(Version 2018-1)
by
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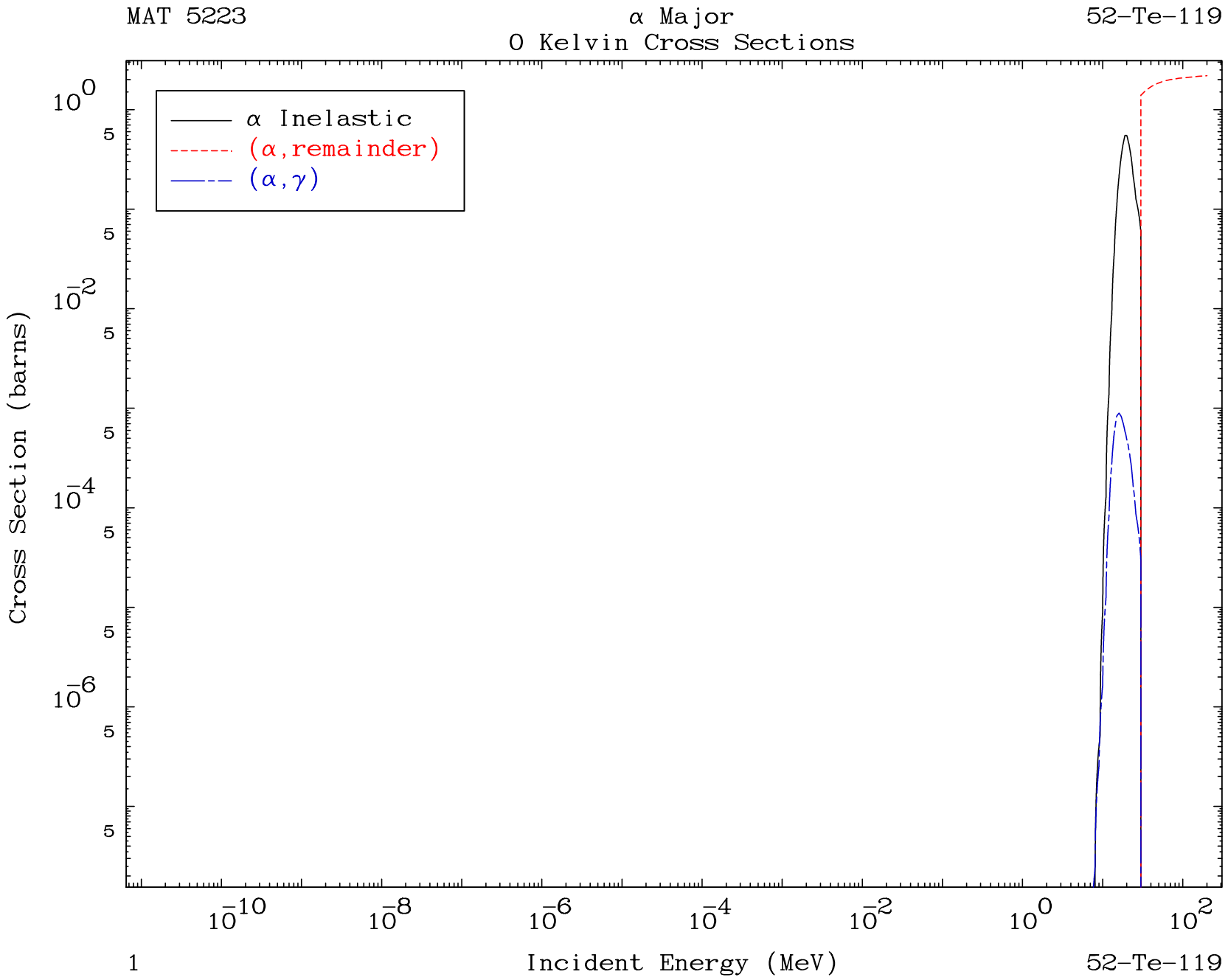
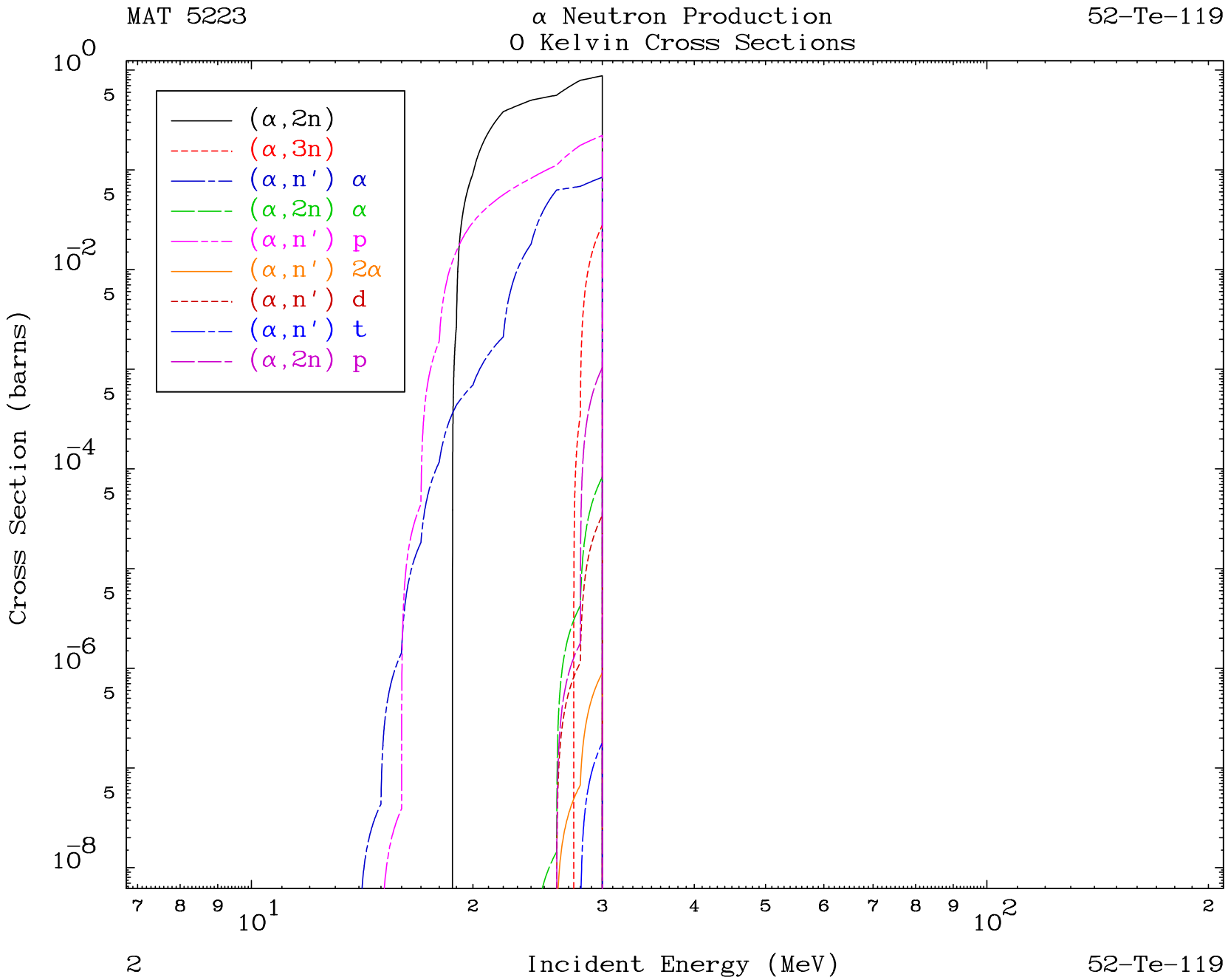
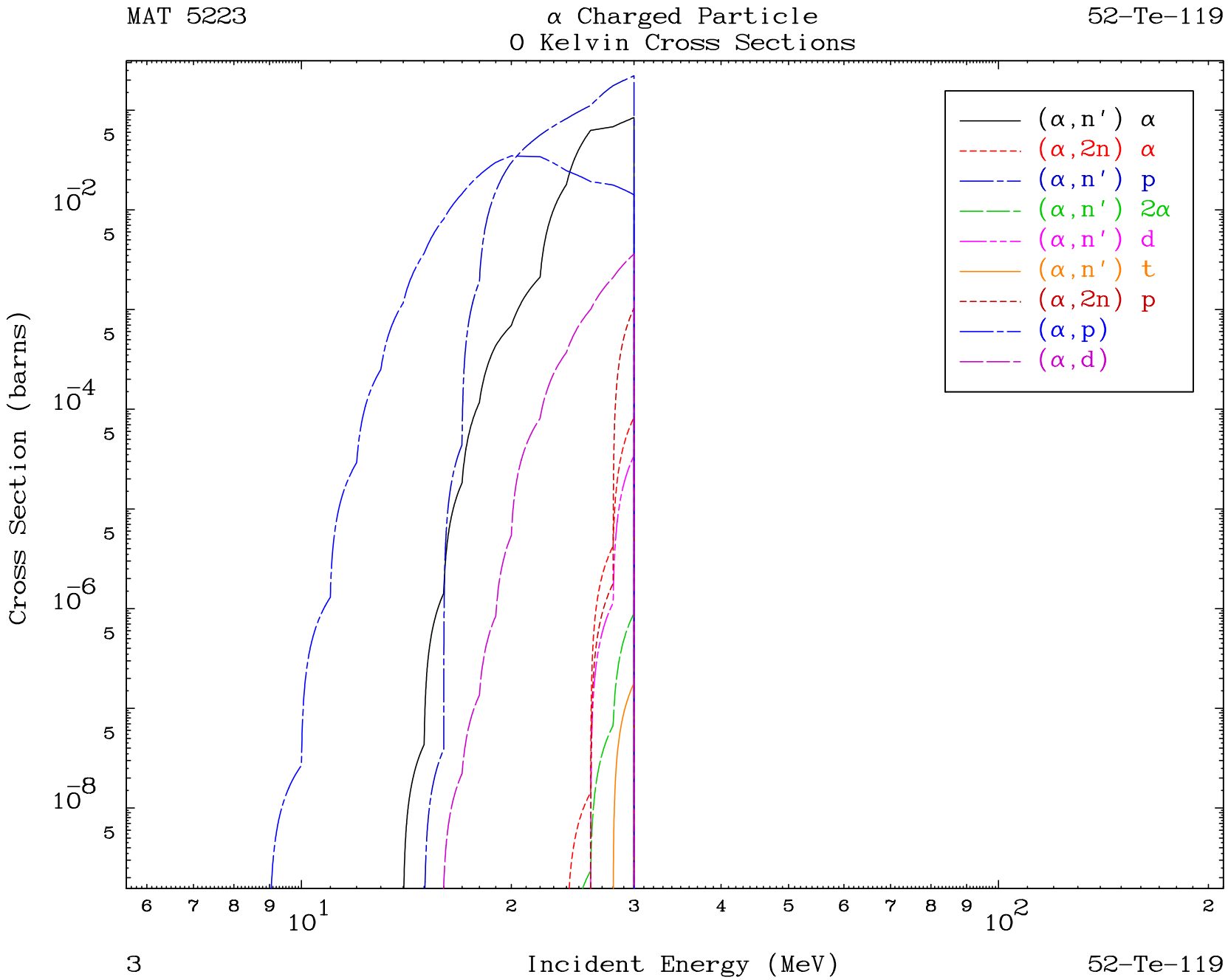
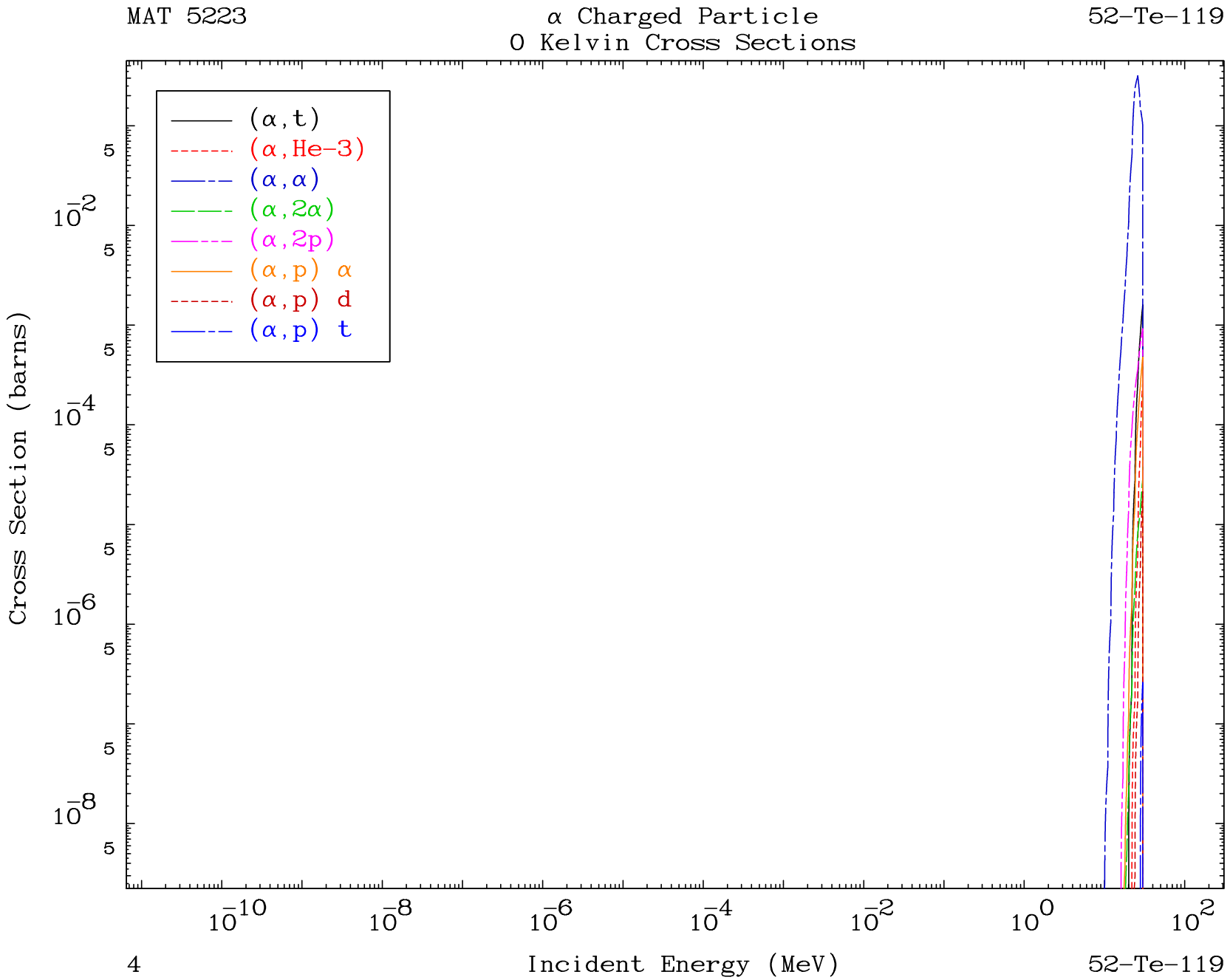
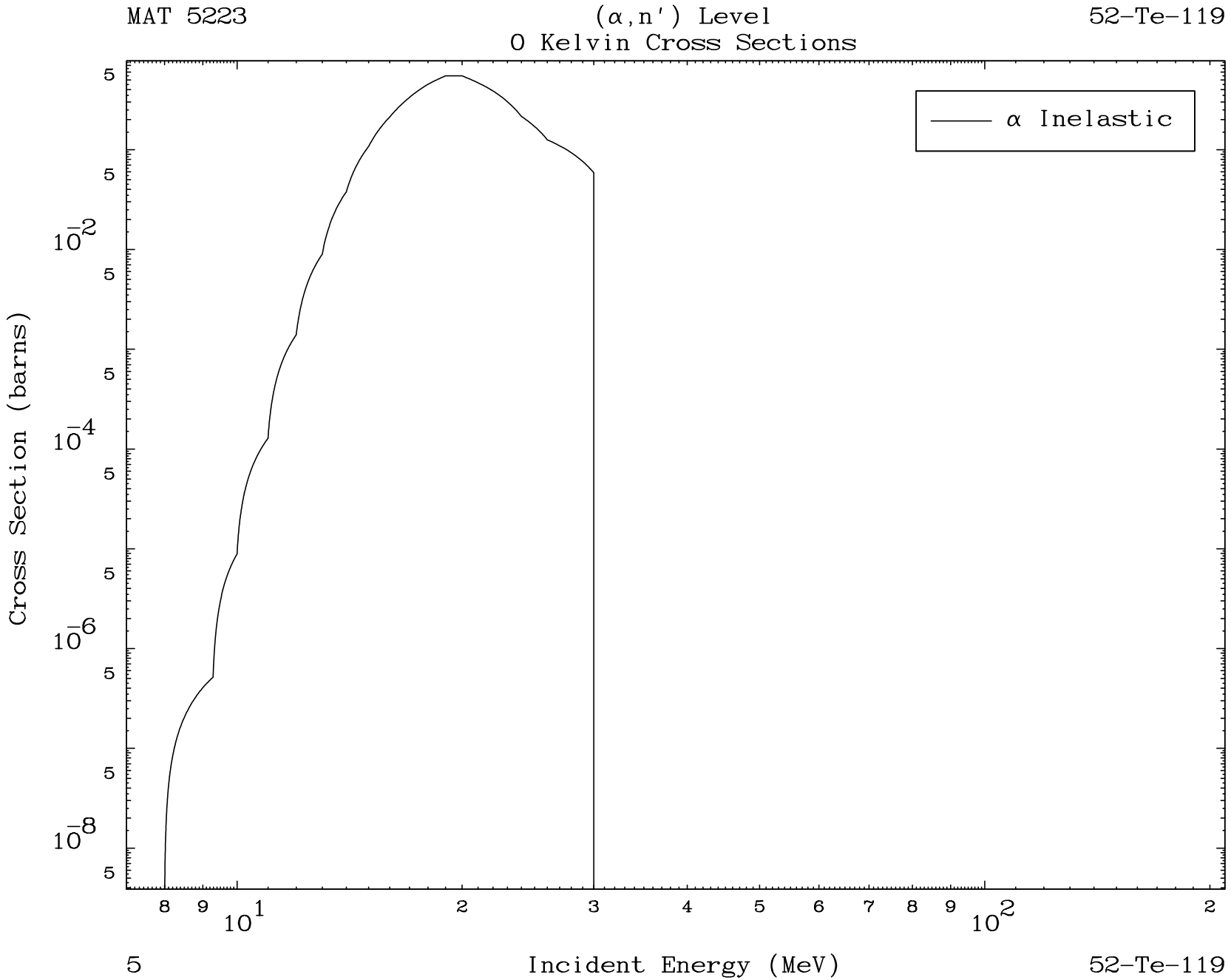
Press Mouse Button to Start

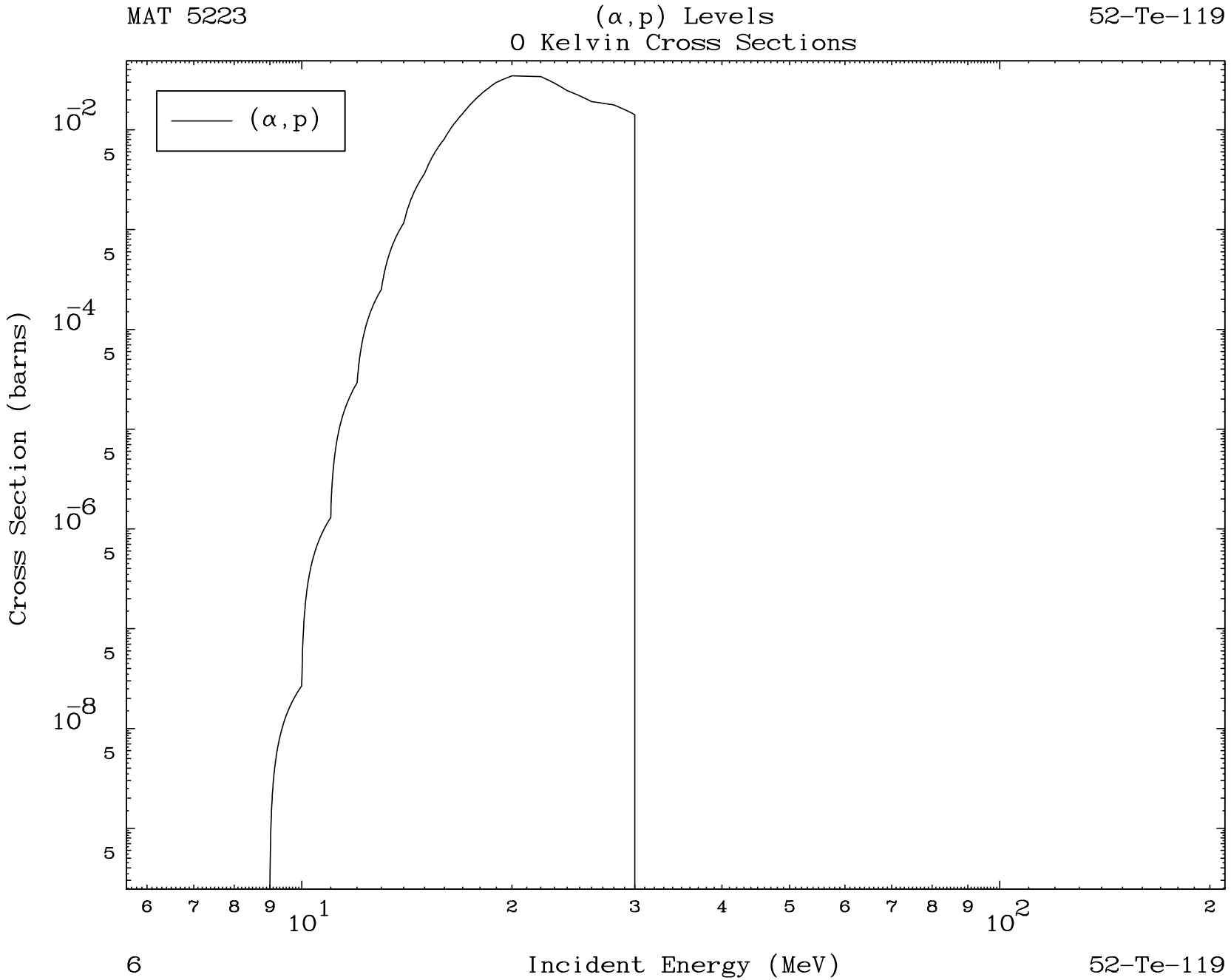

MAT 5223
α Major
52-Te-119
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
52-Te-119

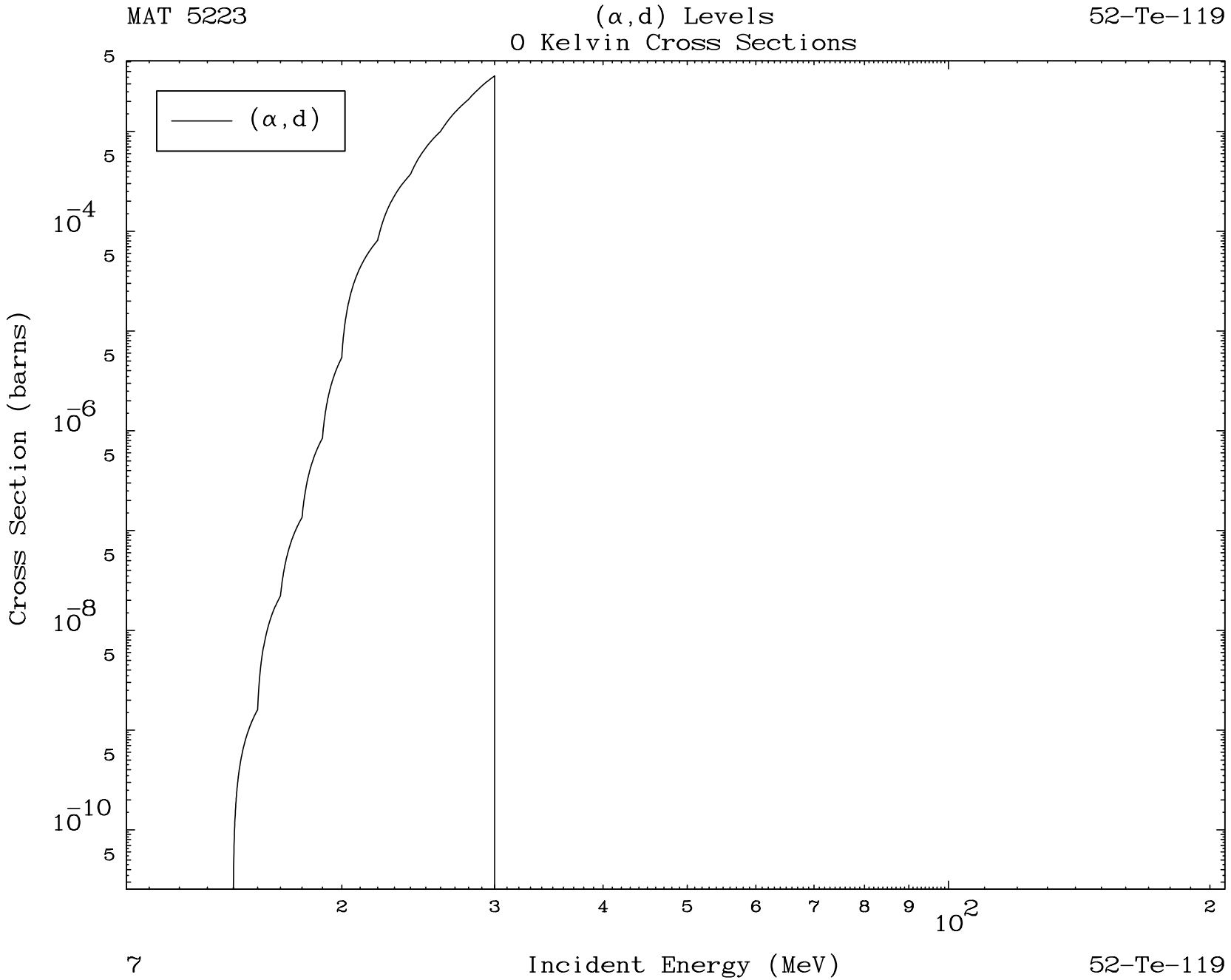

MAT 5223
α Neutron Production
0 Kelvin Cross Sections
52-Te-119
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
52-Te-119


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

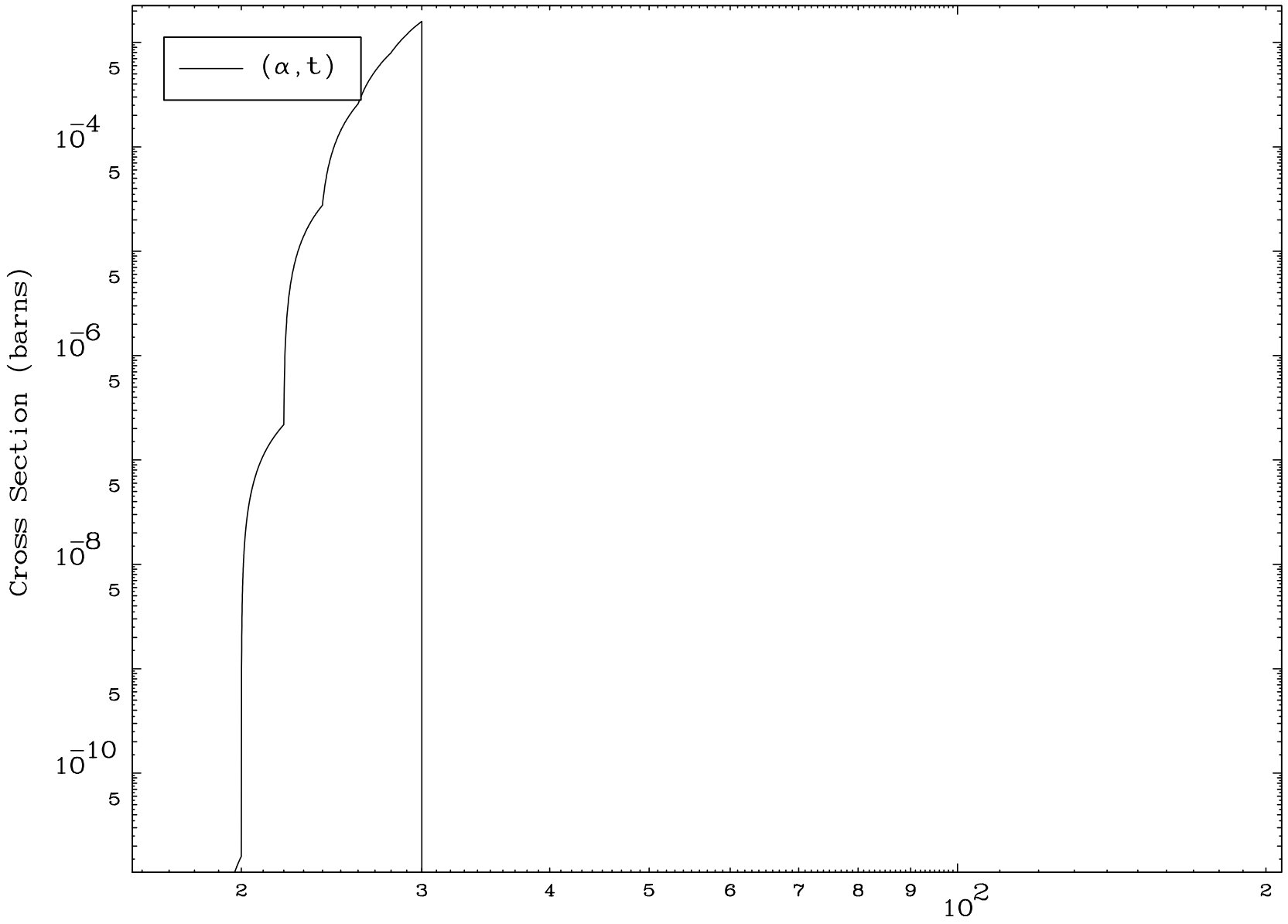

MAT 5223
α Charged Particle
0 Kelvin Cross Sections
52-Te-119
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-119

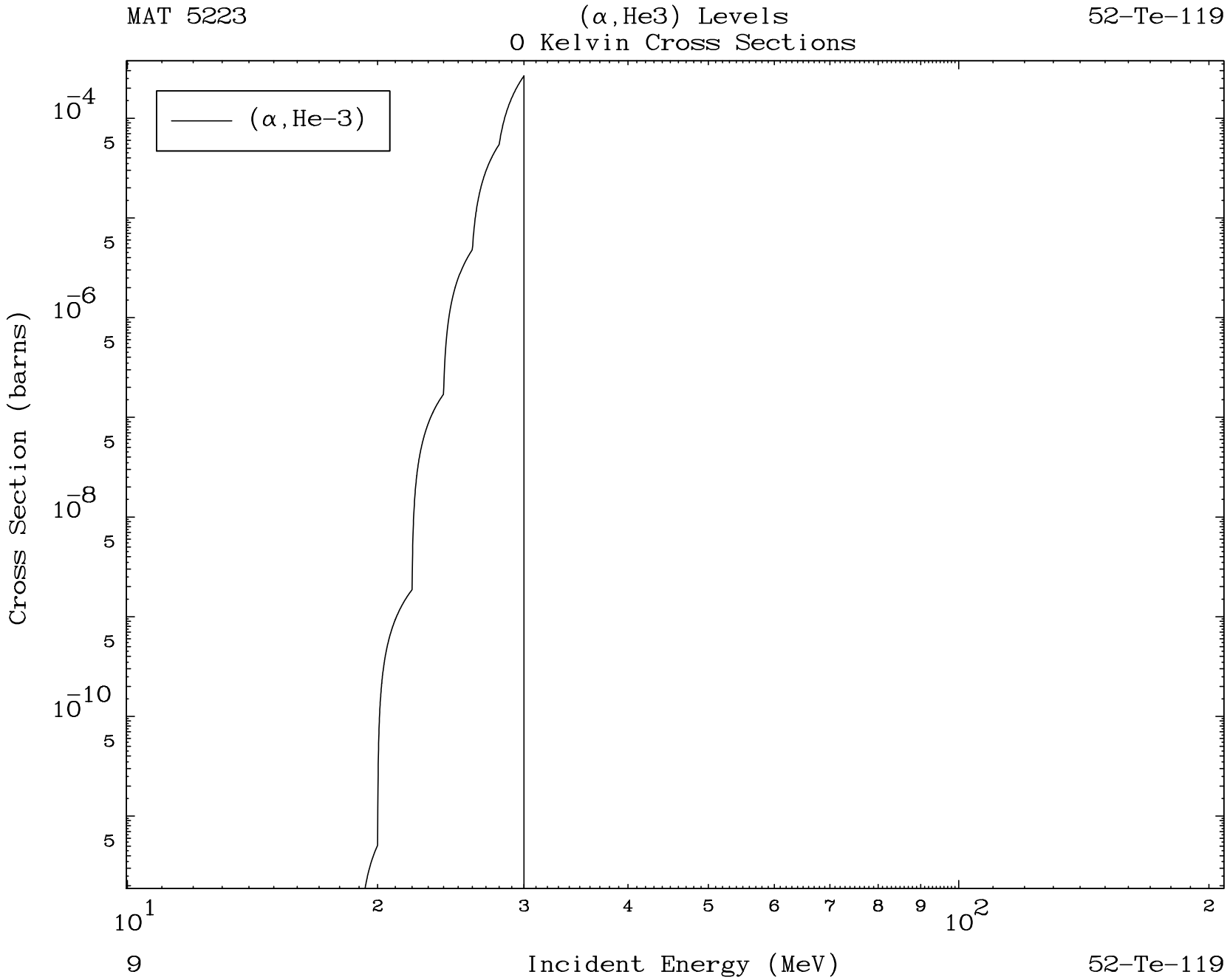

MAT 5223
(α,n') Level
52-Te-119
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
52-Te-119
5

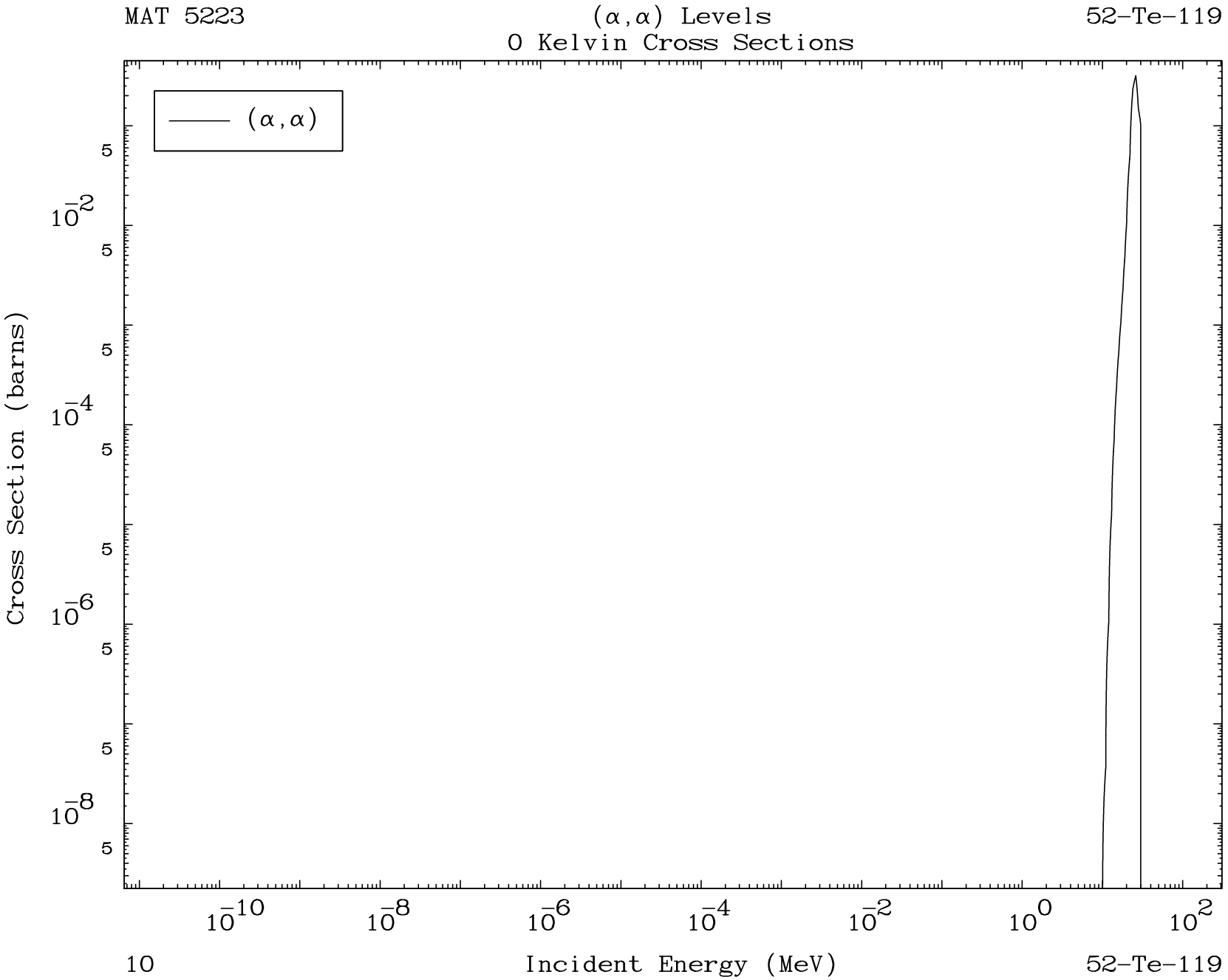

MAT 5223
(α,p) Levels
52-Te-119
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
6
52-Te-119

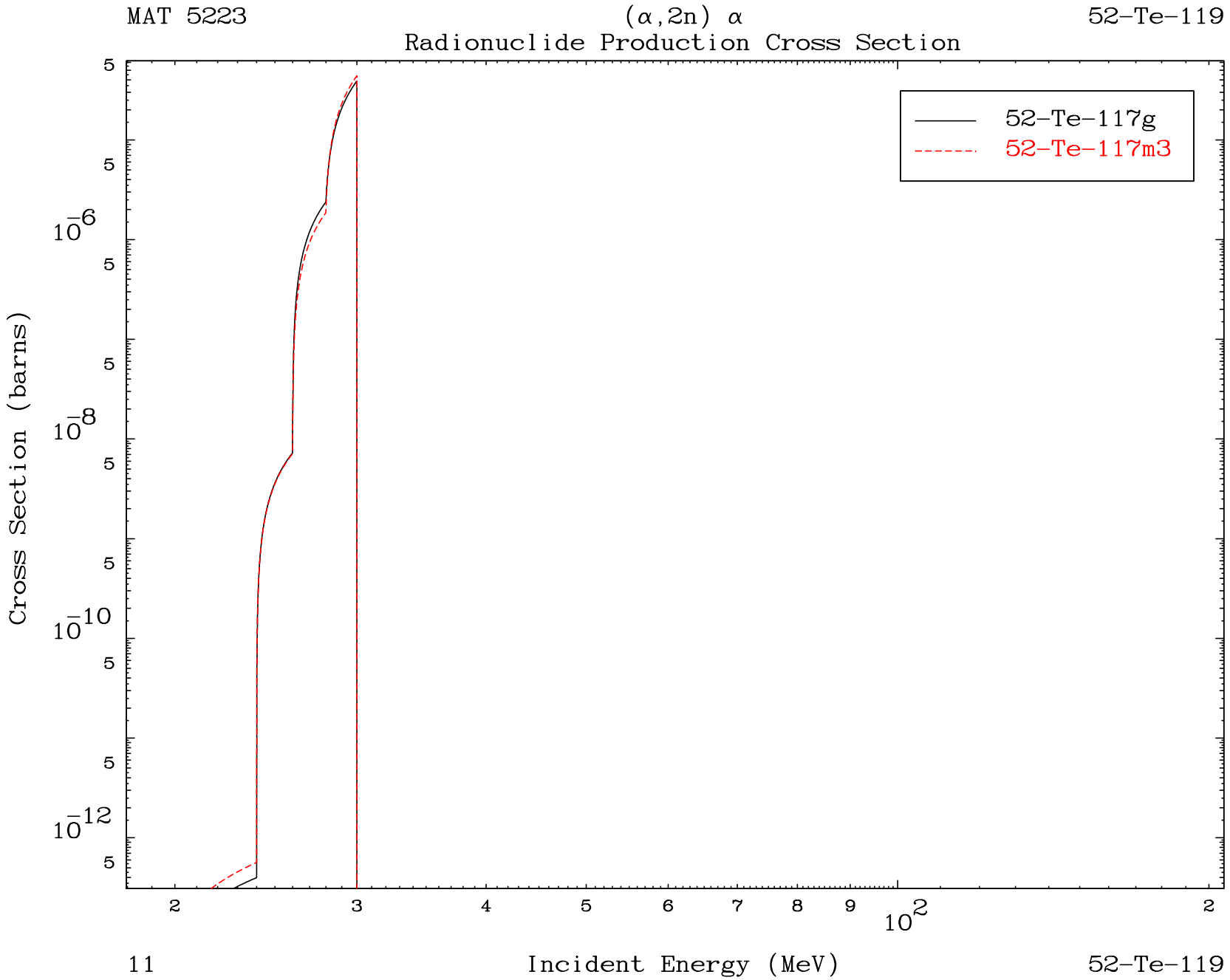

MAT 5223
(α,d) Levels
52-Te-119
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
7
52-Te-119

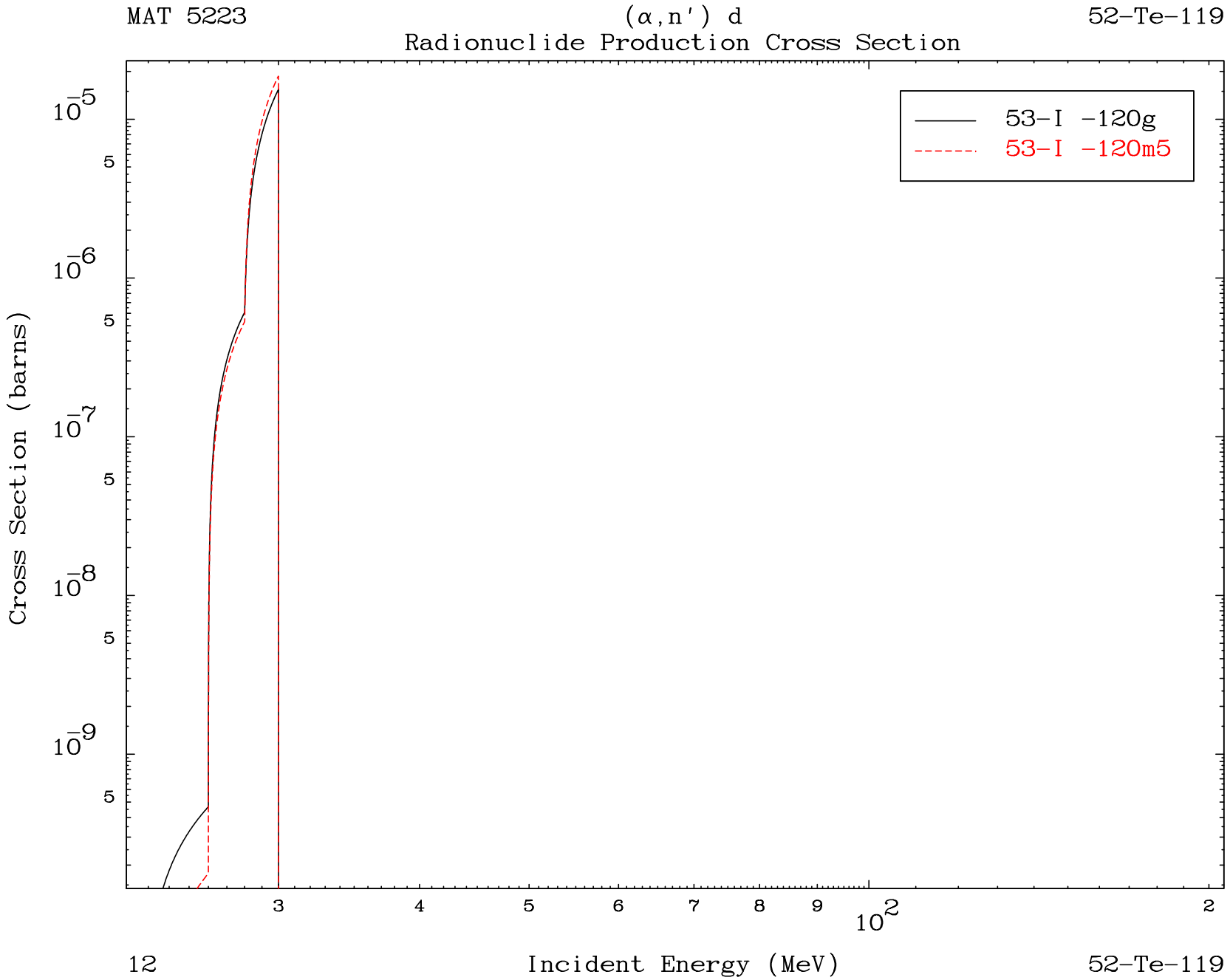
0 Kelvin Cross Sections

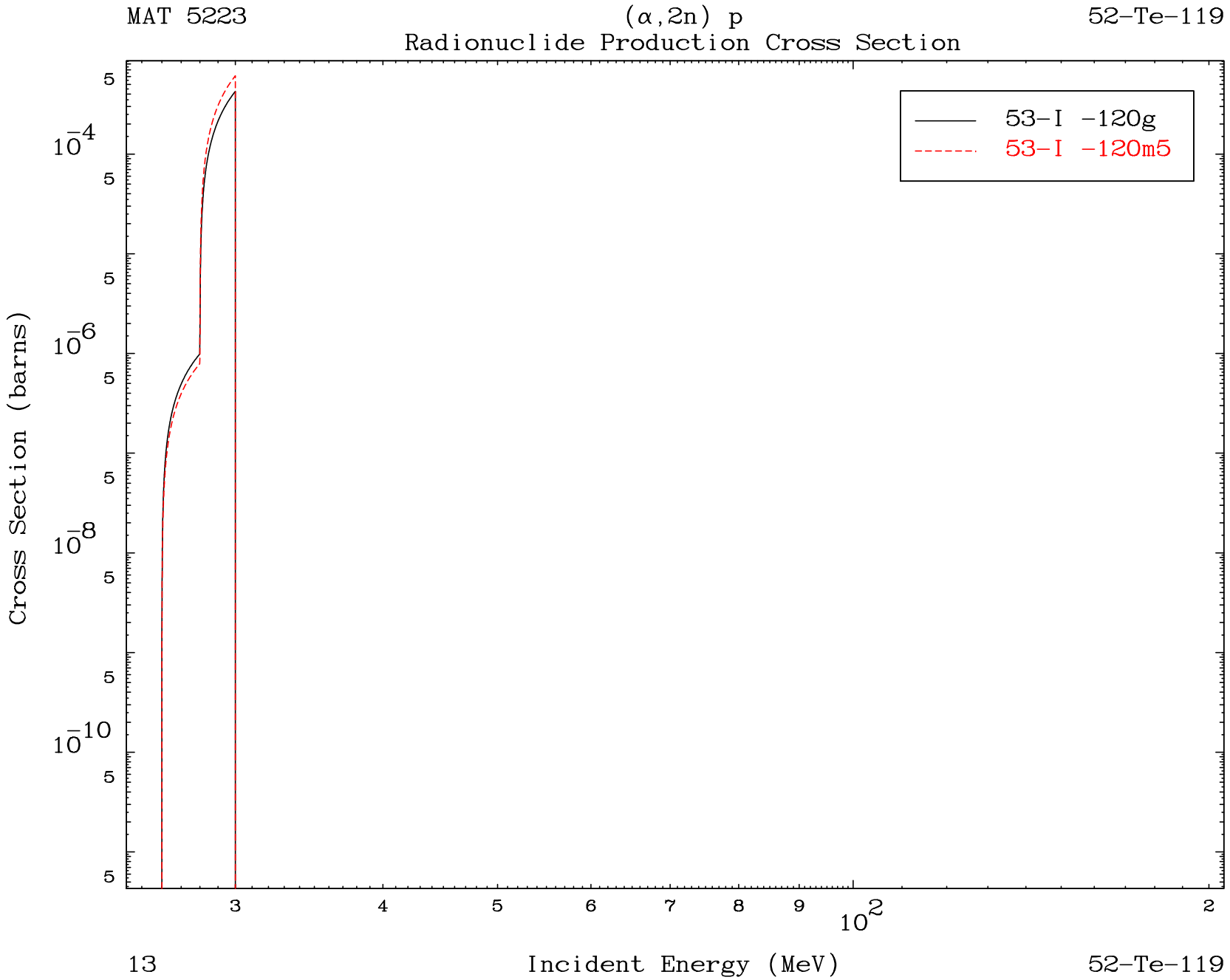


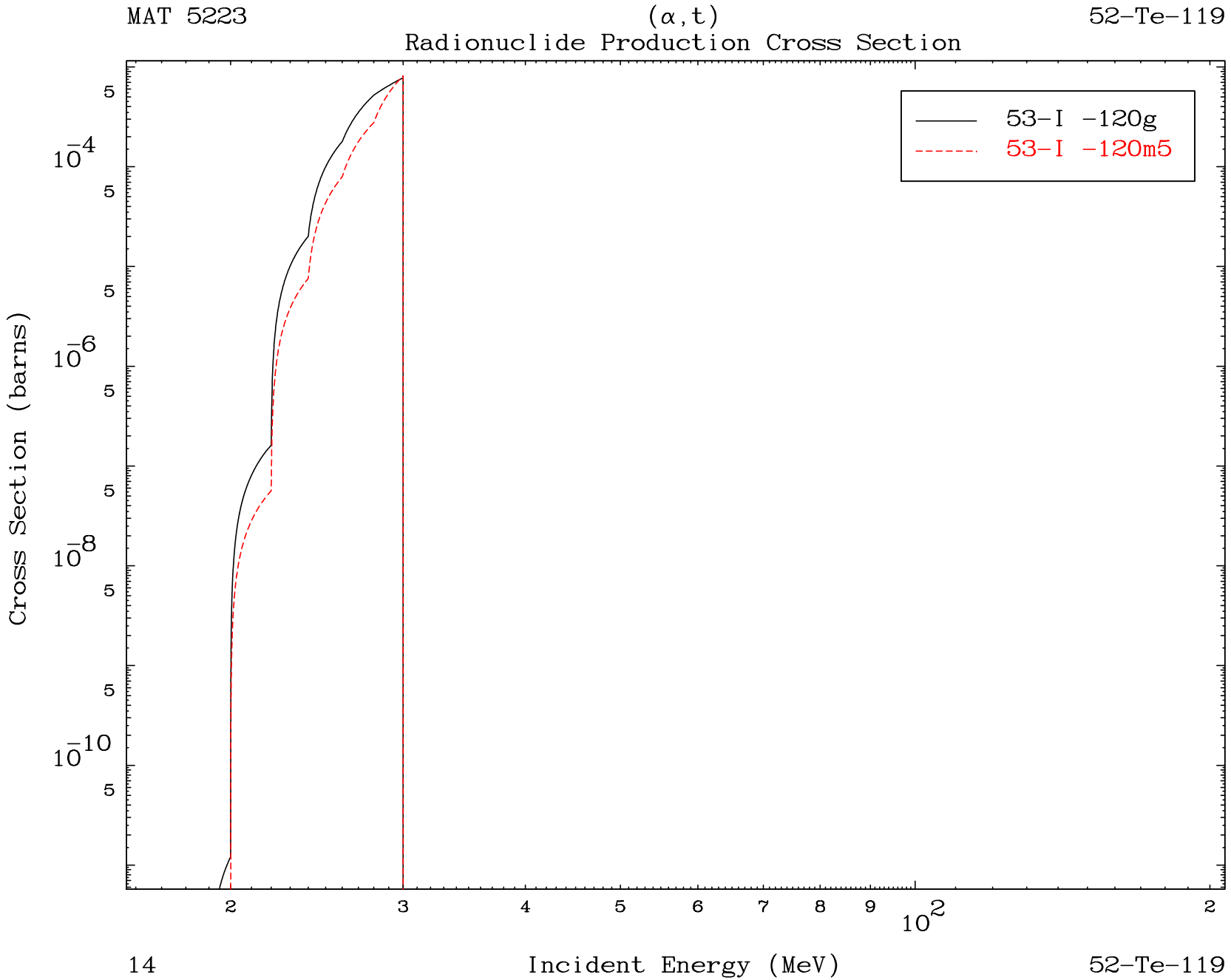

MAT 5223
(α,He3) Levels
52-Te-119
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
52-Te-119

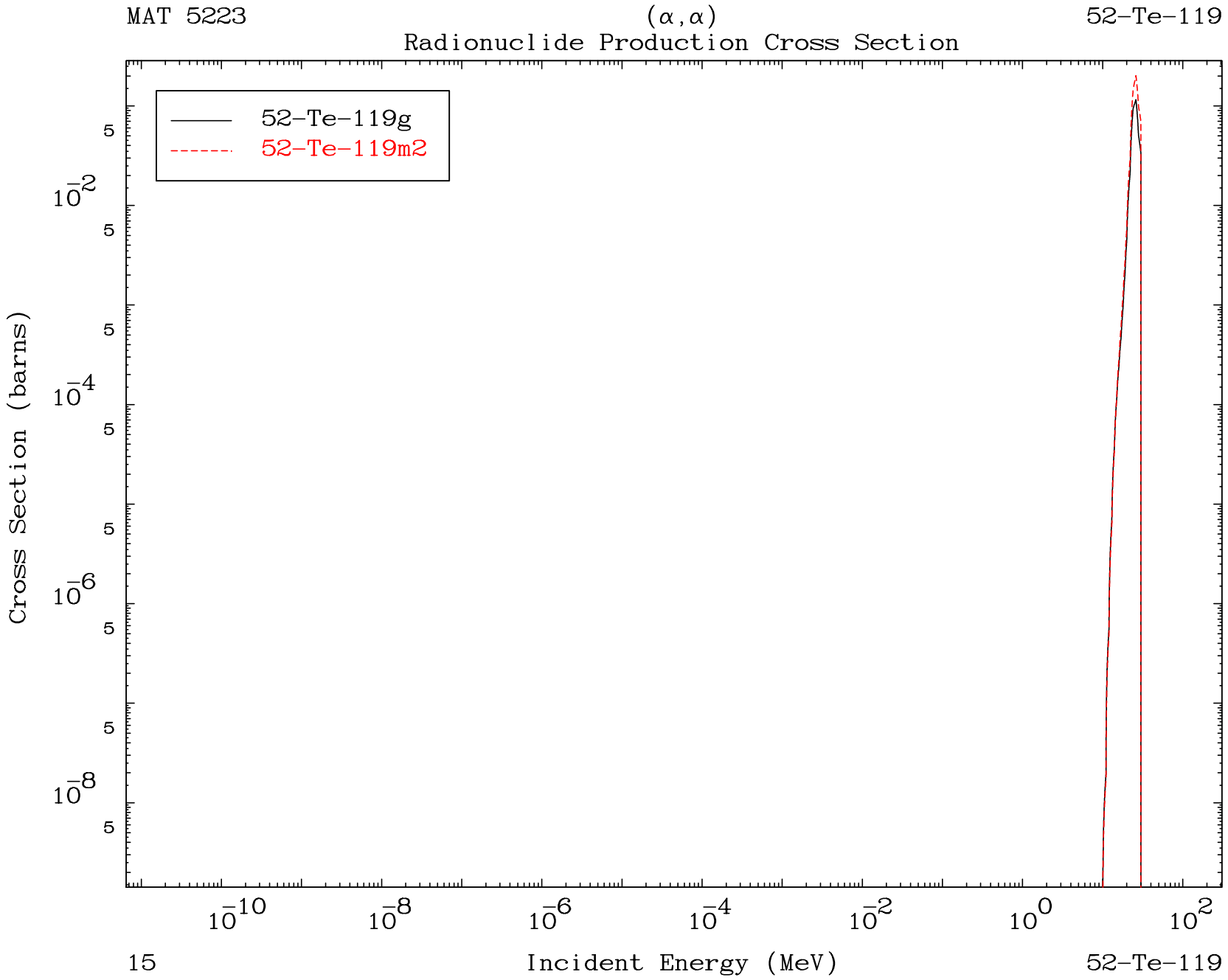

MAT 5223
(α,α) Levels
52-Te-119
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
52-Te-119

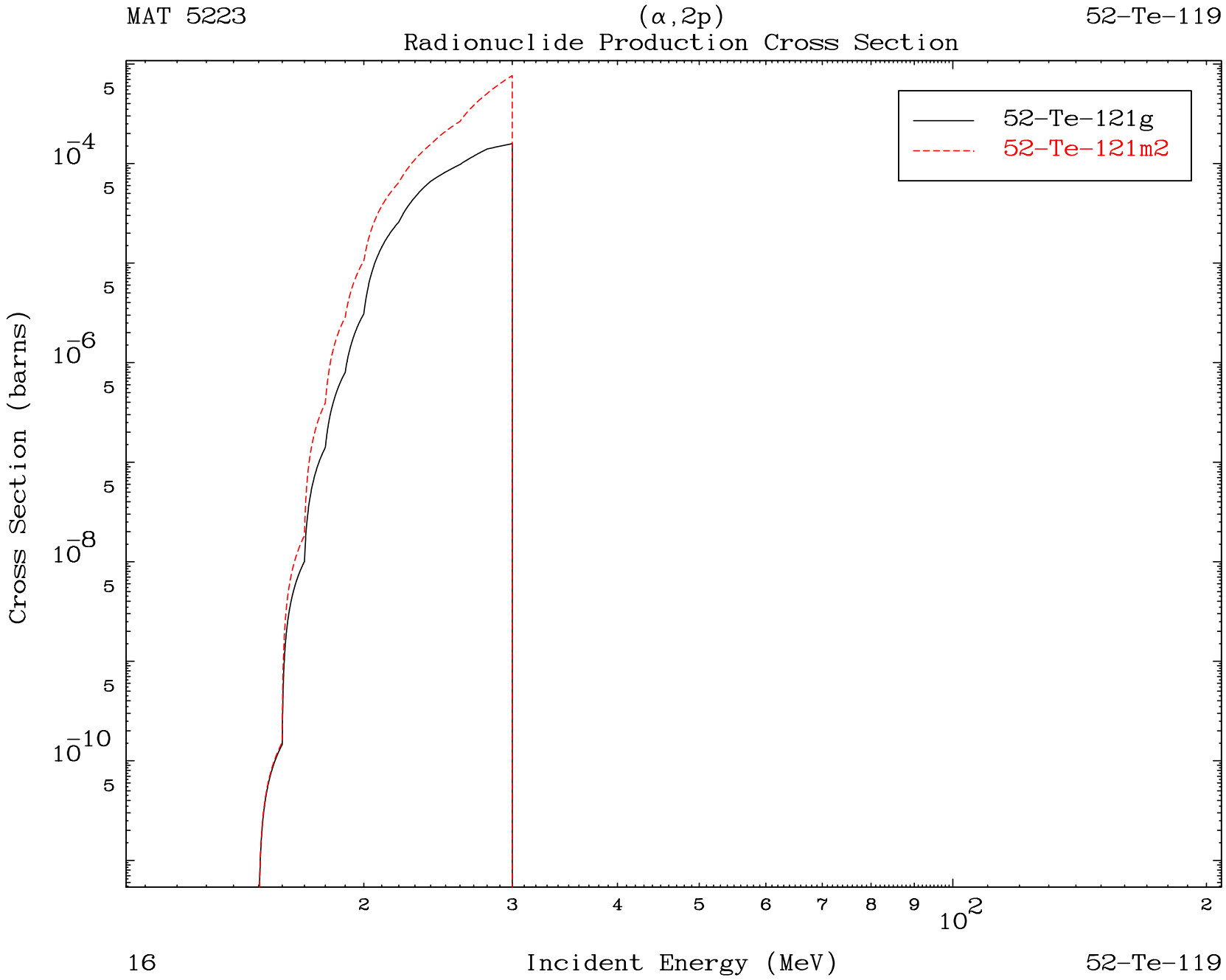

MAT 5223
(α,2n) α
52-Te-119
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
11
52-Te-119

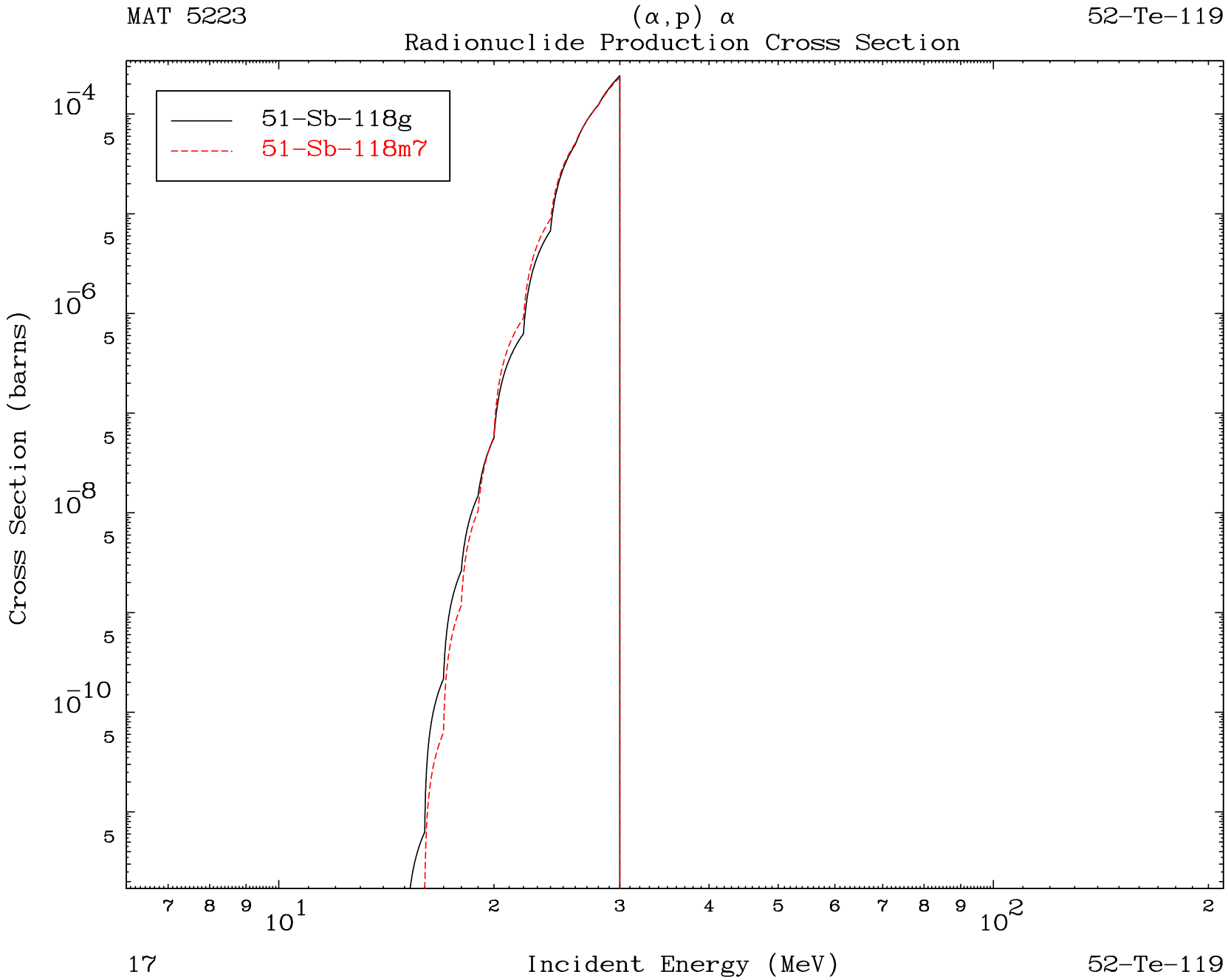

MAT 5223
(α,n') d
52-Te-119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
52-Te-119

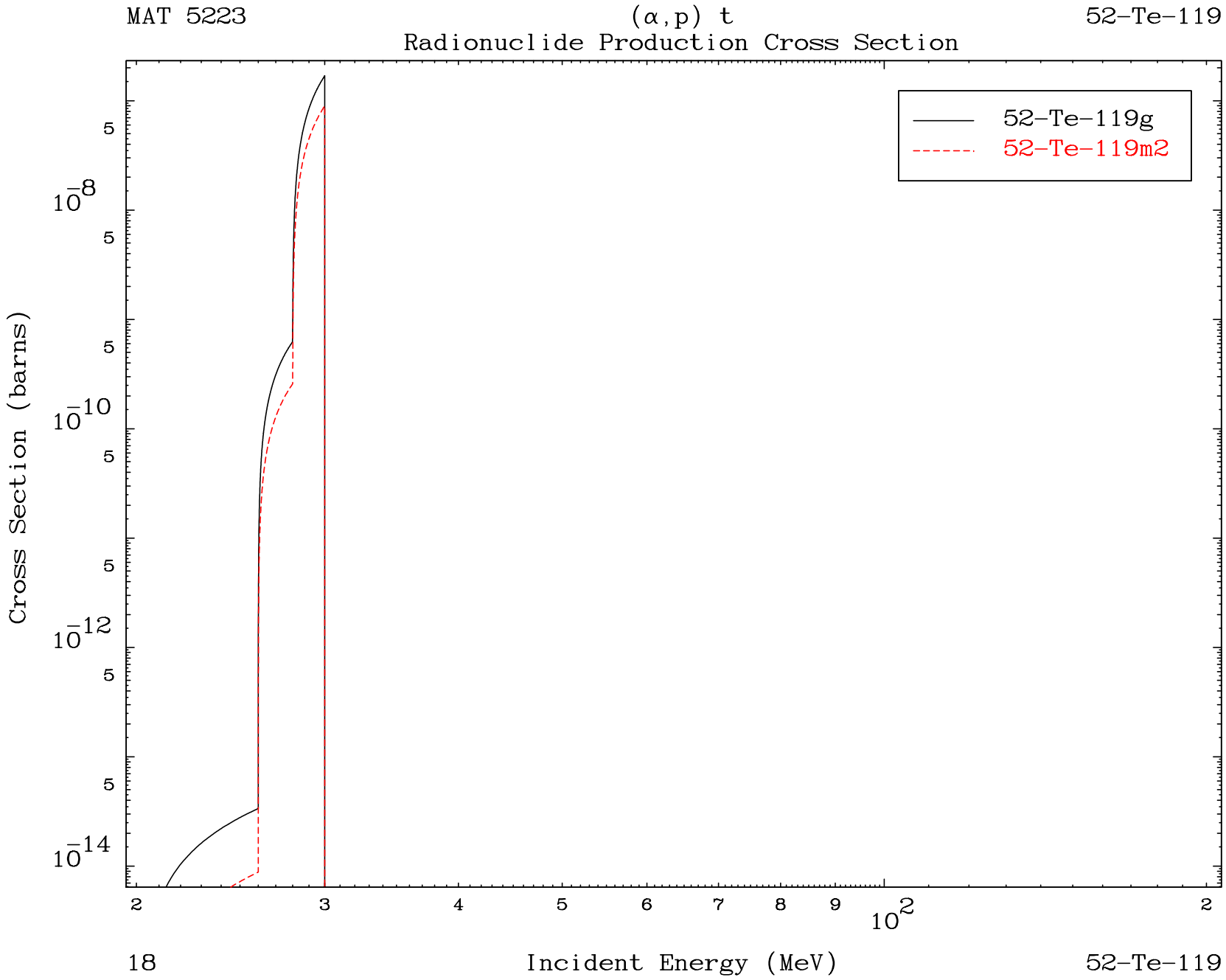

MAT 5223
(α,2n) p
52-Te-119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
52-Te-119


MAT 5223
(α,t)
52-Te-119
Radionuclide Production Cross Section
53-I -120g
53-I -120m5
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
14
52-Te-119


MAT 5223
(α,α)
52-Te-119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
15
52-Te-119


MAT 5223
(α,2p)
52-Te-119
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
52-Te-119


MAT 5223
(α,p) α
52-Te-119
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
17
52-Te-119


MAT 5223
(α,p) t
52-Te-119
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
52-Te-119