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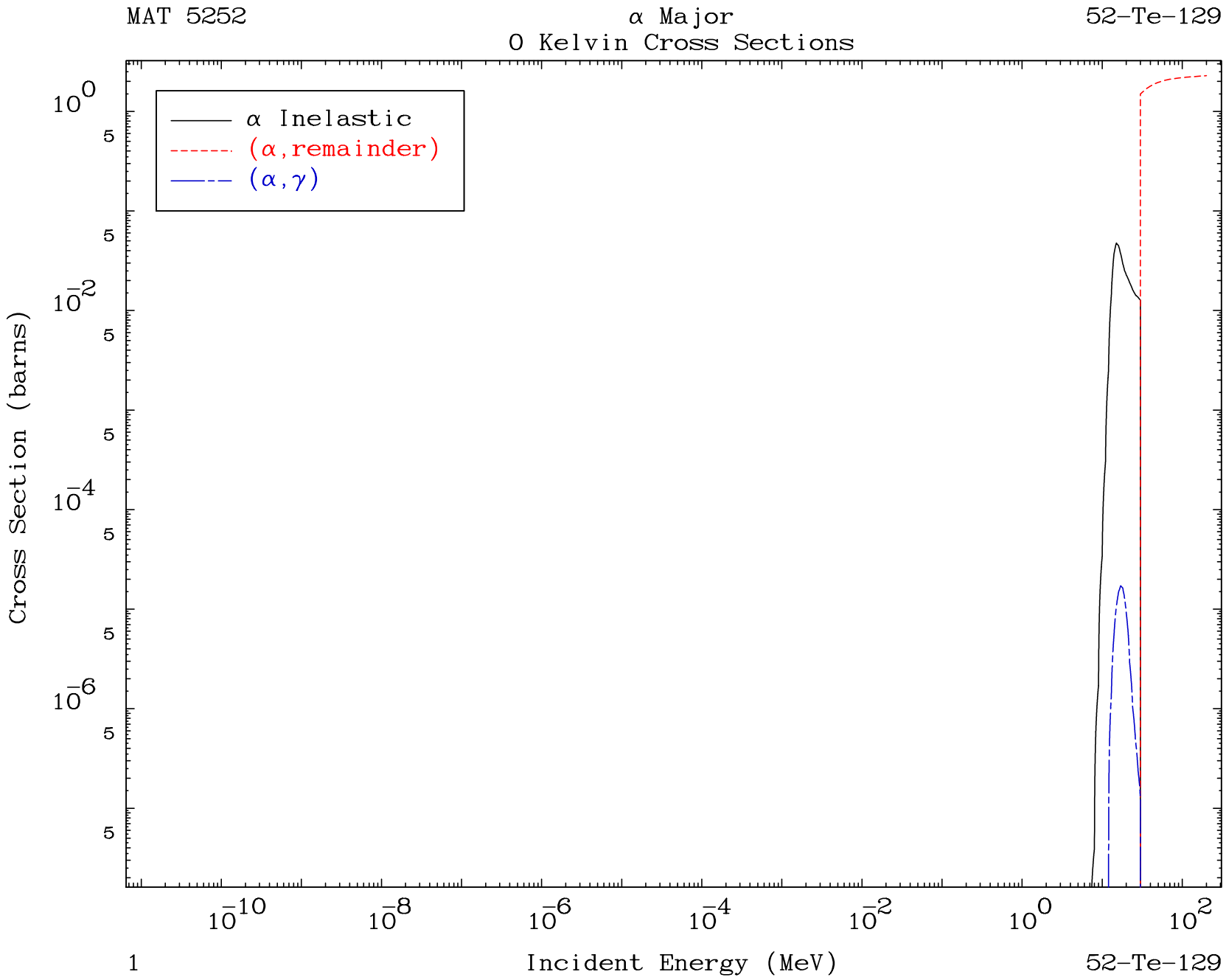
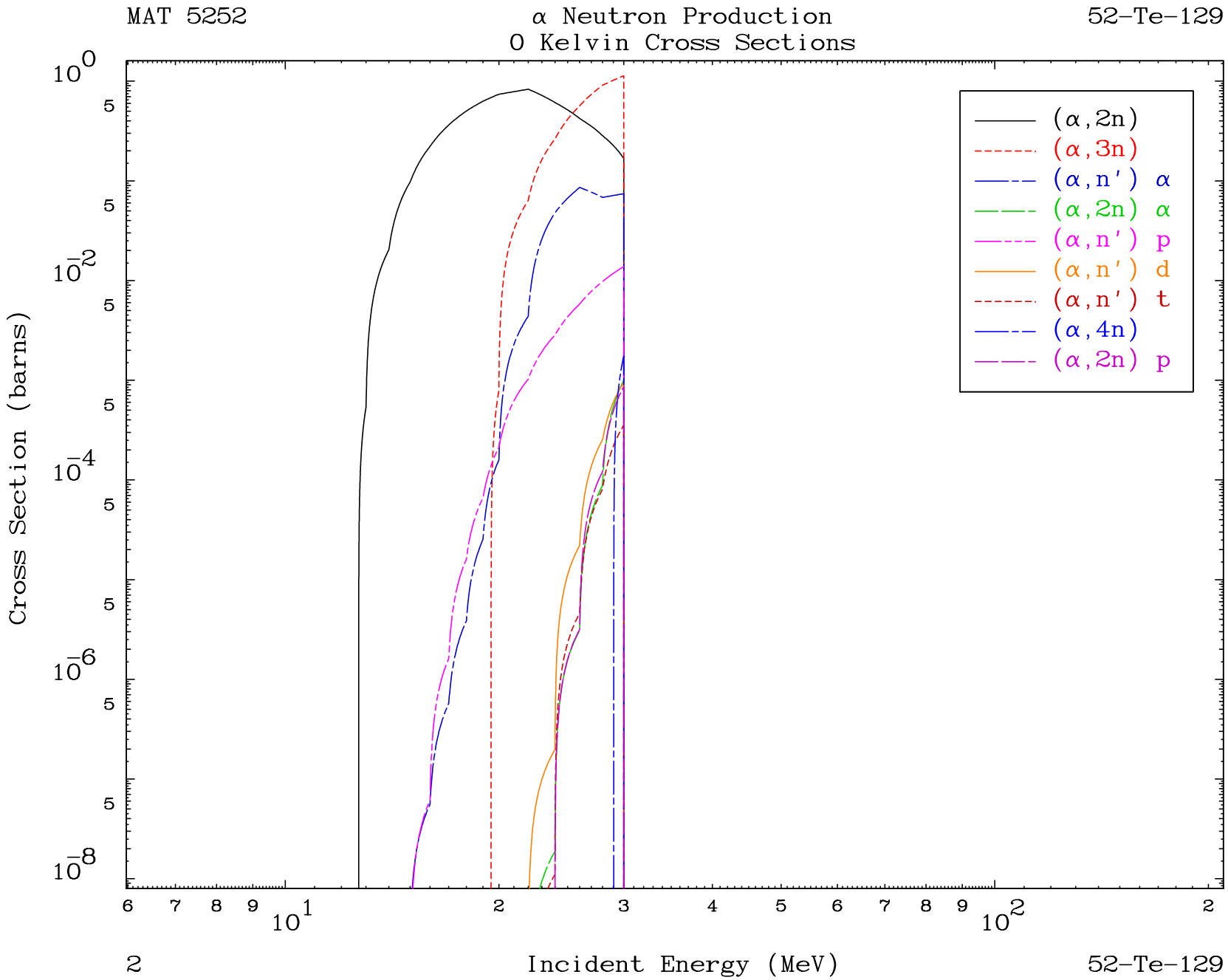
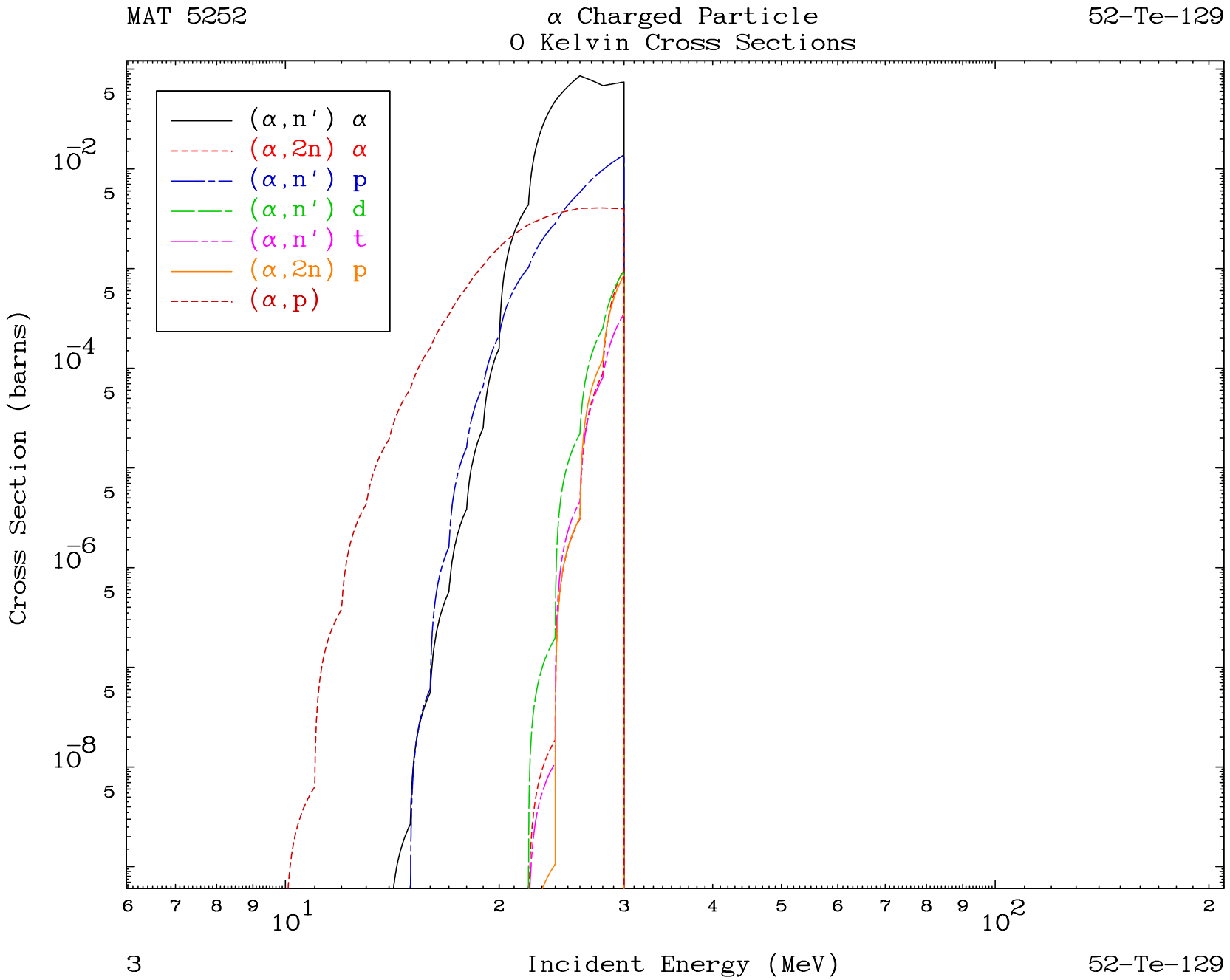
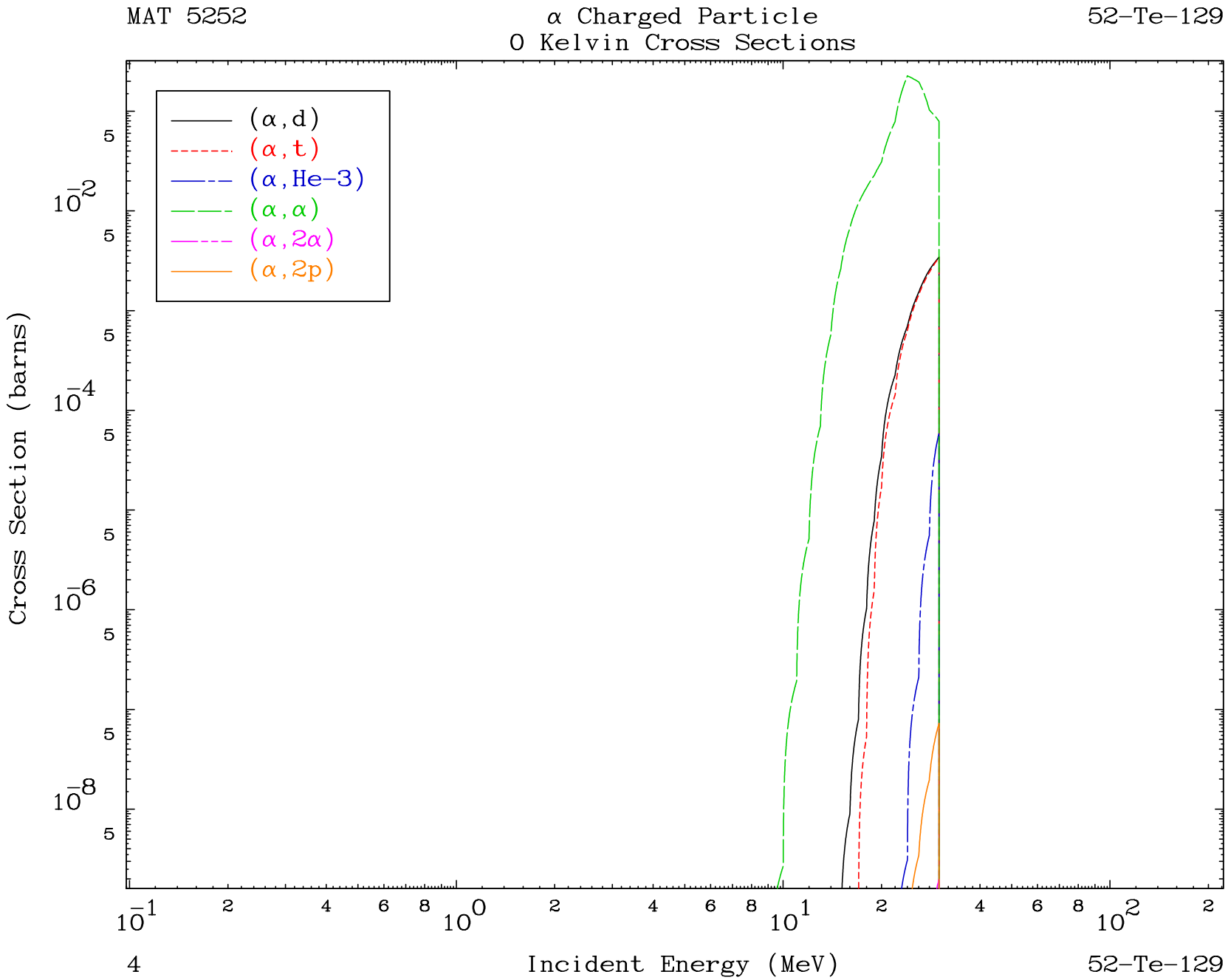
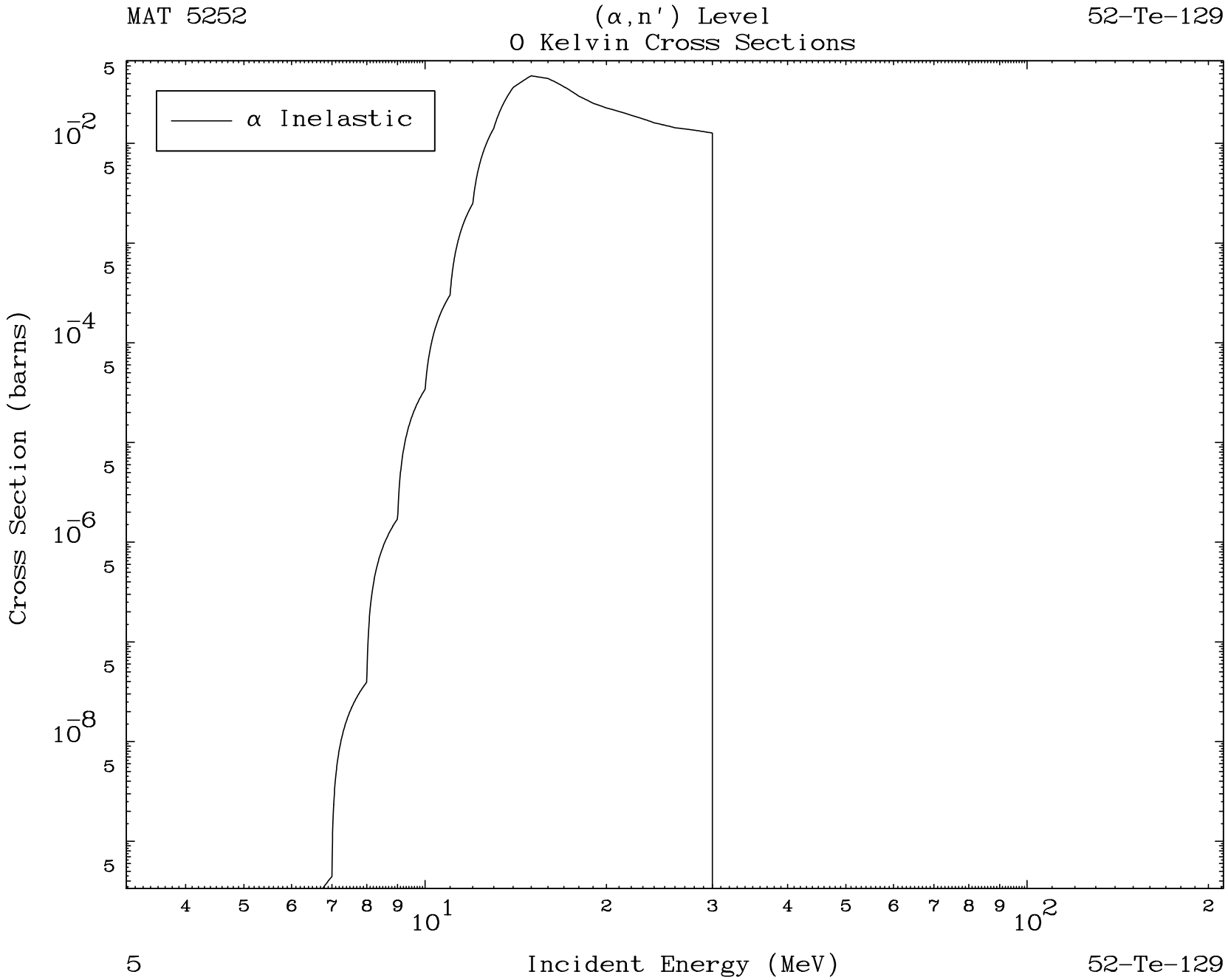
Press Mouse Button to Start

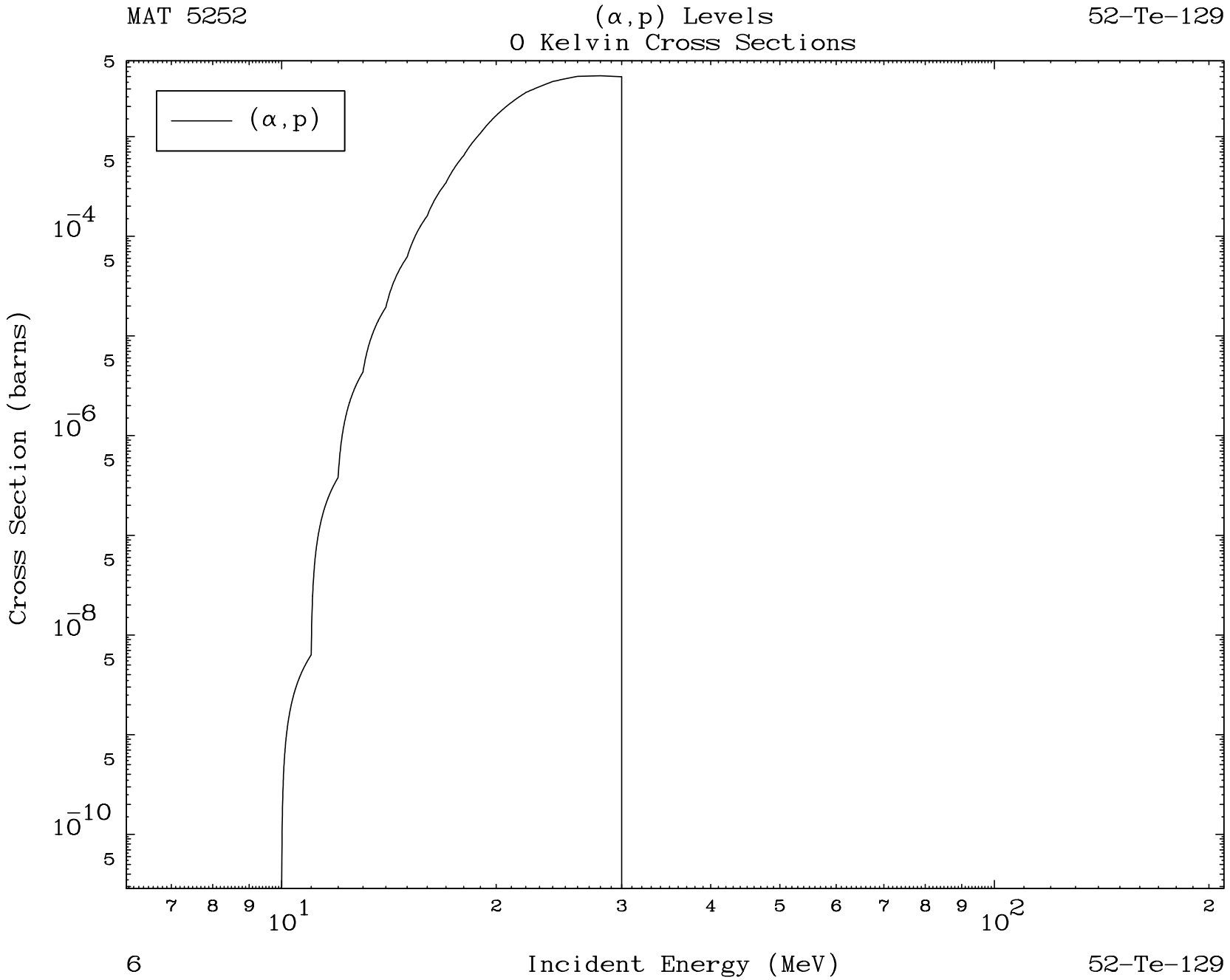

MAT 5252
α Major
52-Te-129
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
52-Te-129

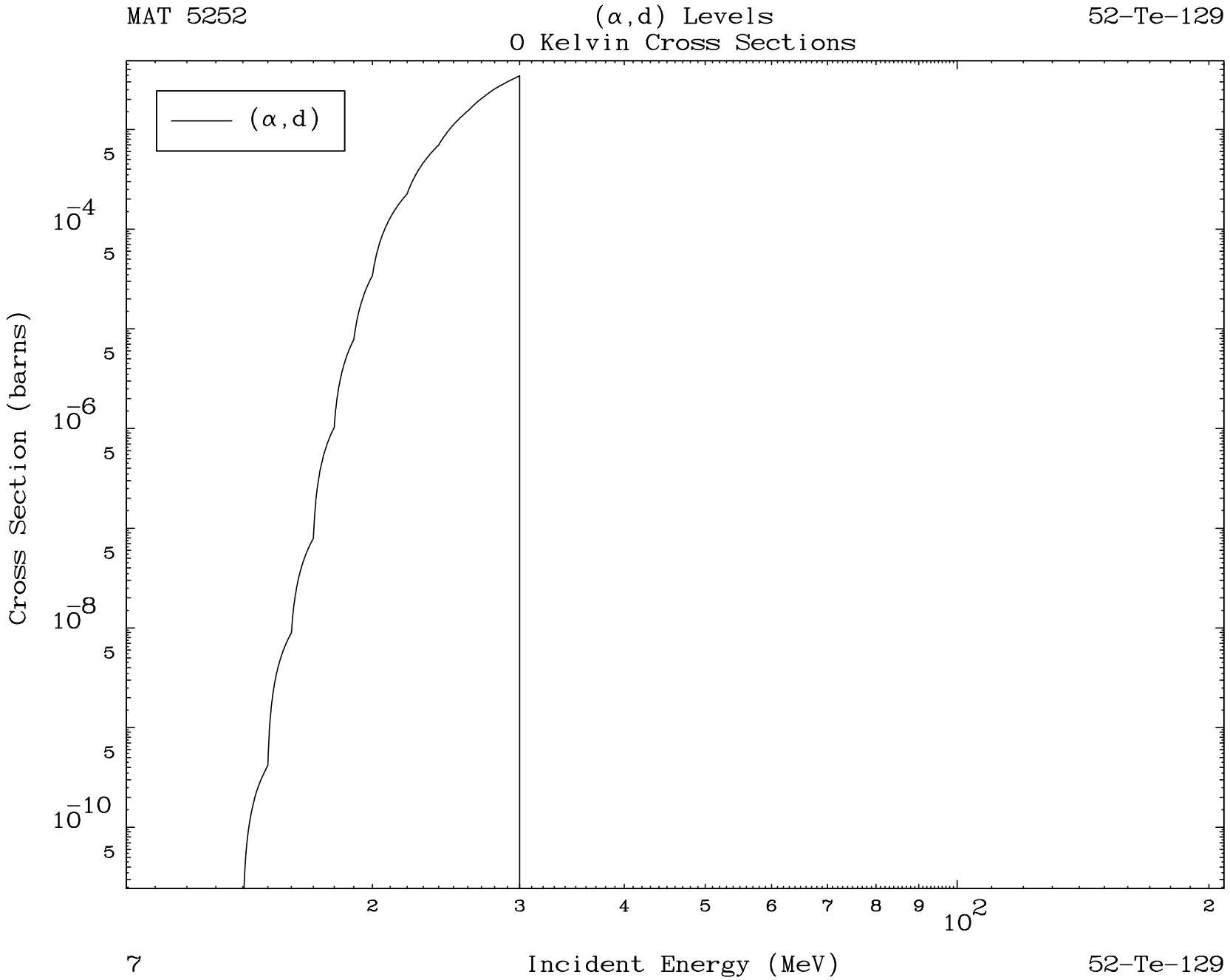

MAT 5252
α Neutron Production
0 Kelvin Cross Sections
52-Te-129
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p

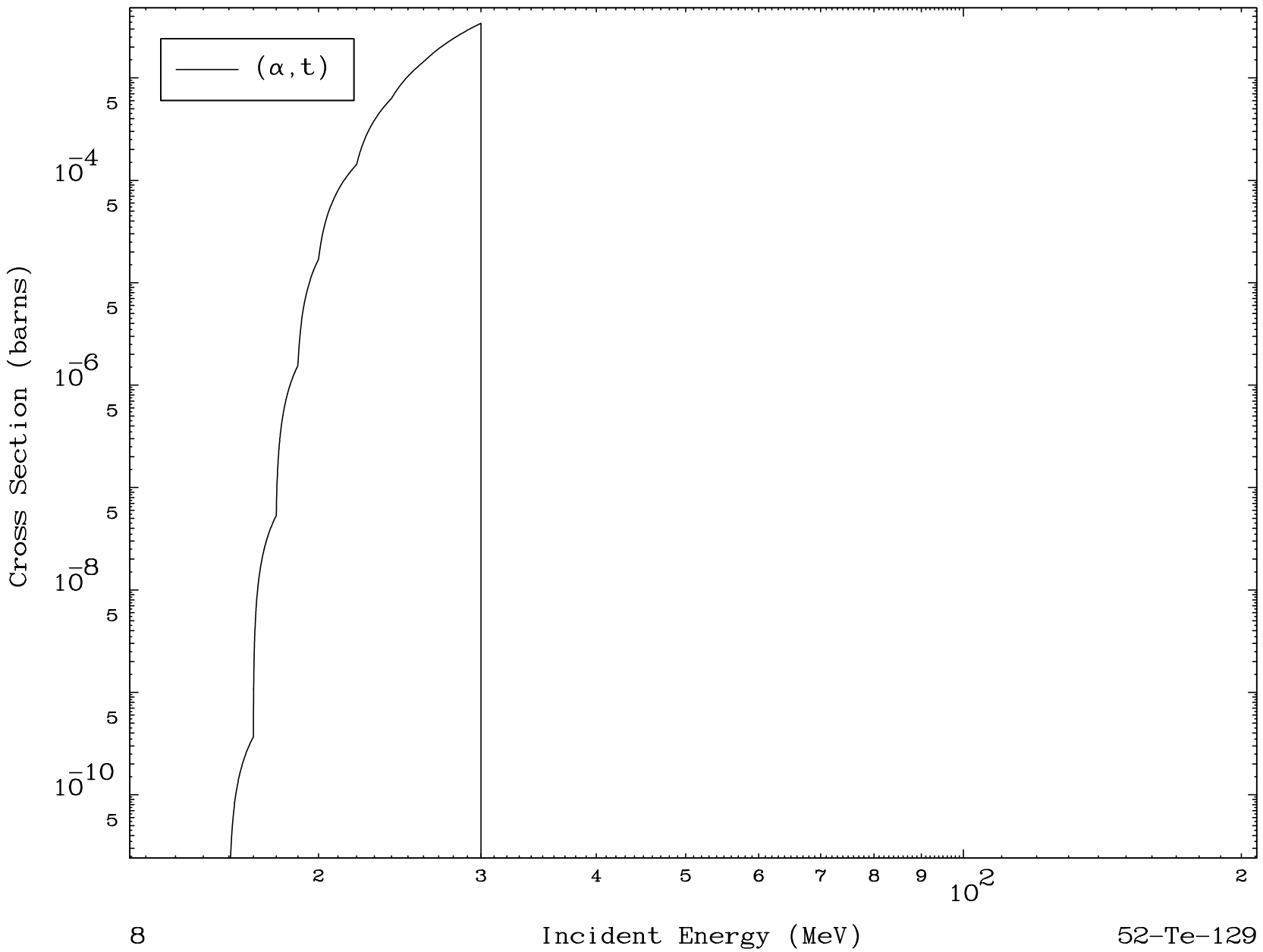

MAT 5252
α Charged Particle
0 Kelvin Cross Sections
52-Te-129
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-129


MAT 5252
α Charged Particle
0 Kelvin Cross Sections
52-Te-129
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
Cross Section (barns)
Incident Energy (MeV)
52-Te-129
4

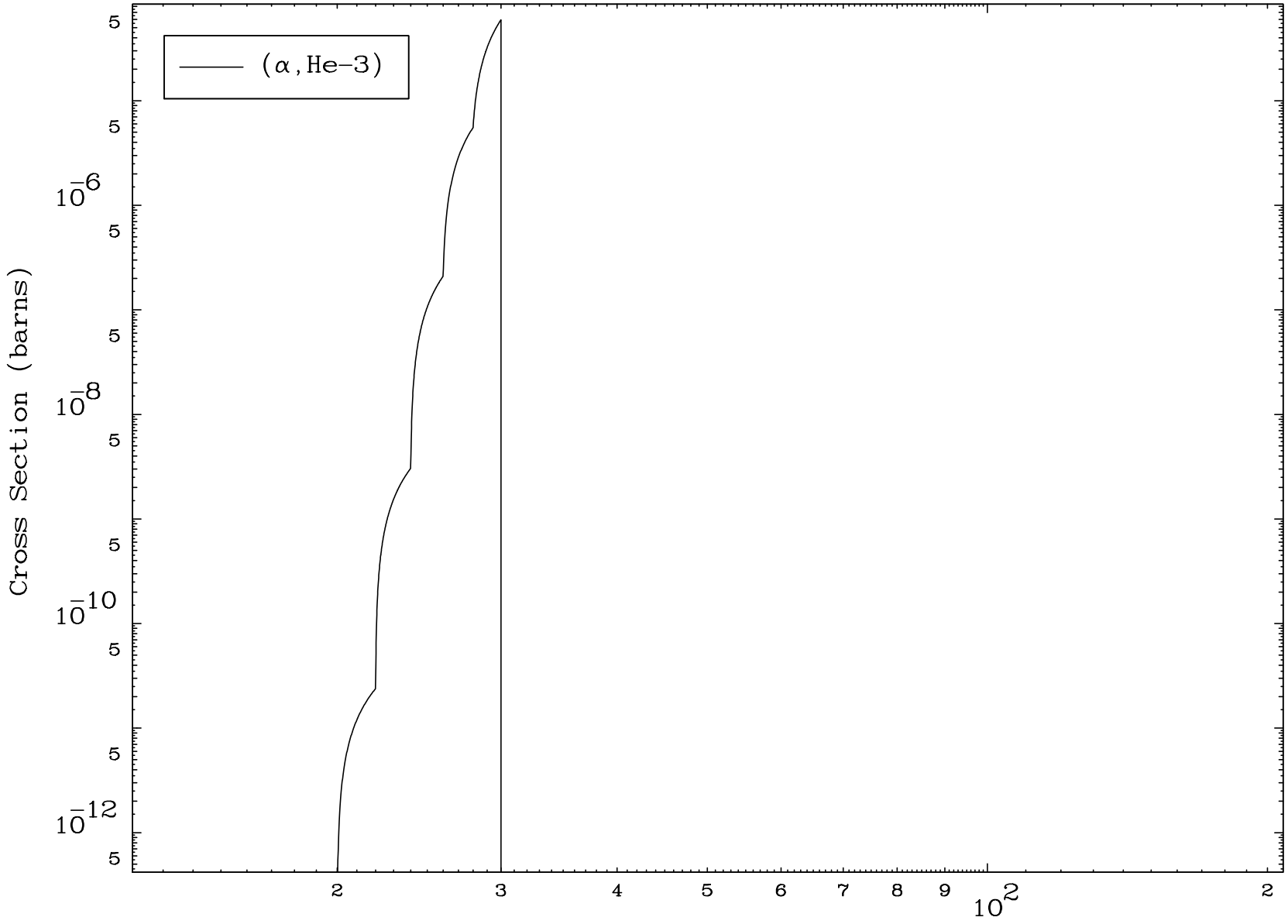

MAT 5252
(α,n') Level
52-Te-129
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
52-Te-129

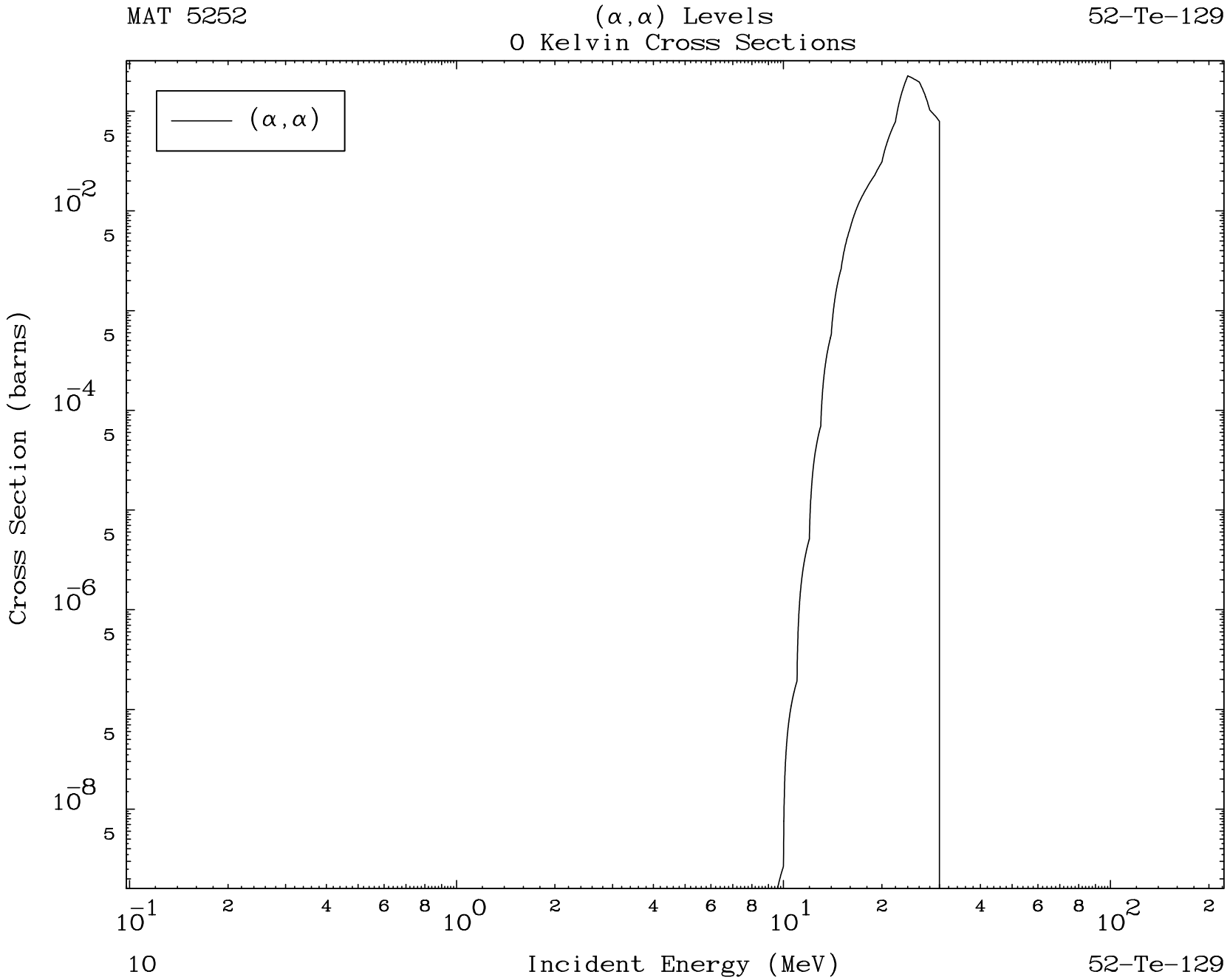

MAT 5252
(α,p) Levels
52-Te-129
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
6
52-Te-129

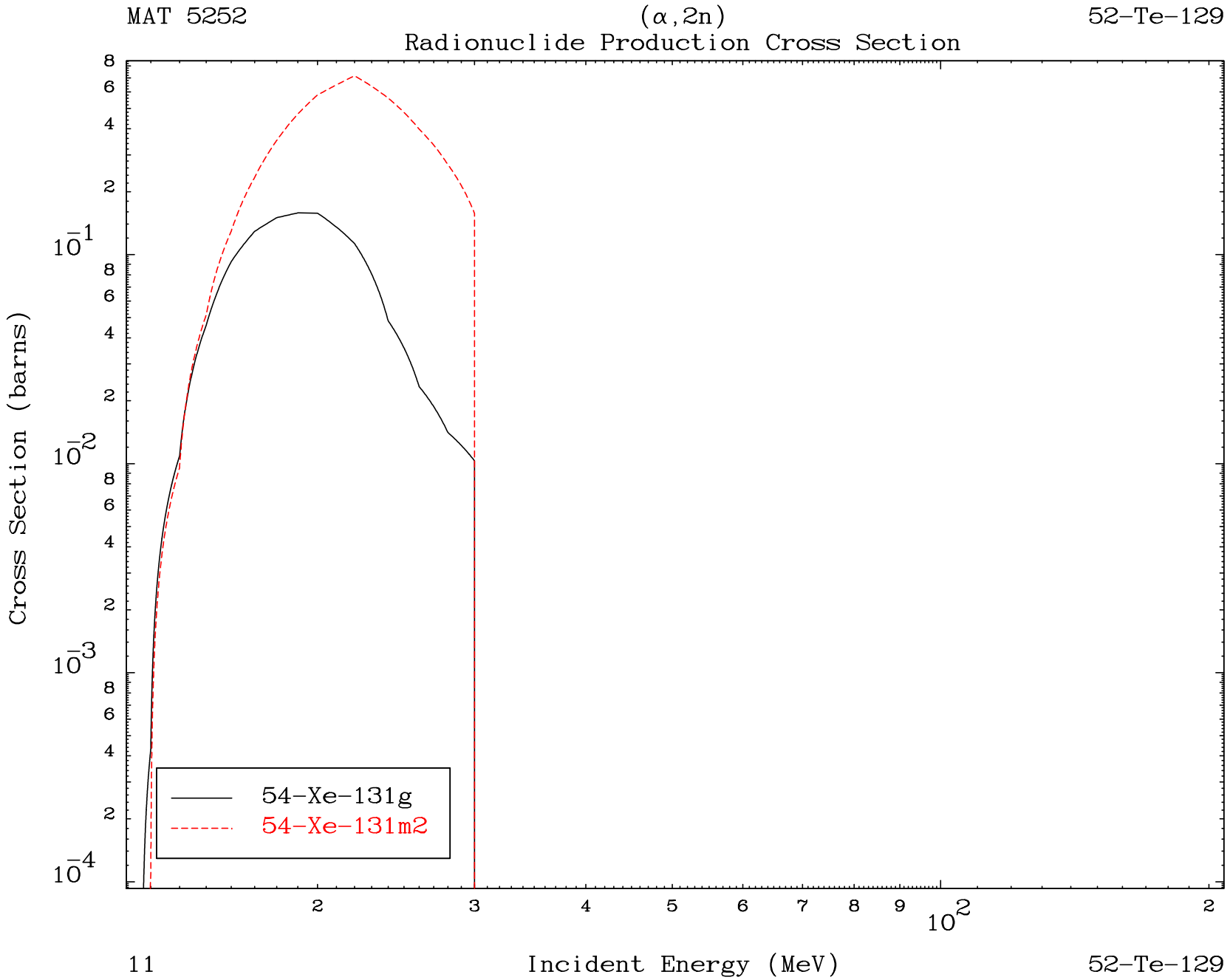

MAT 5252
(α,d) Levels
52-Te-129
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
52-Te-129

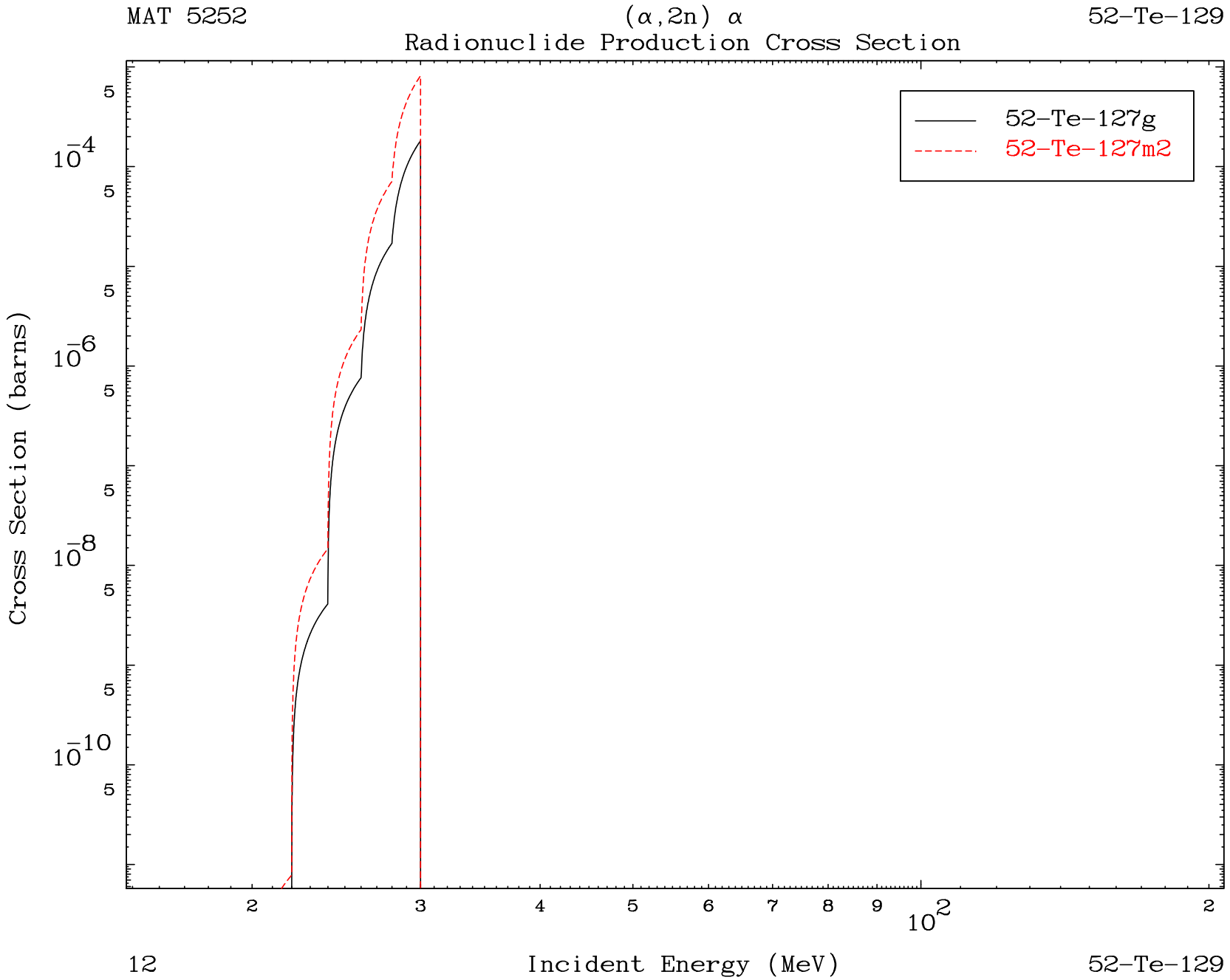

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
2
3
4
5
6
7
8
9
10²
2
Incident Energy (MeV)

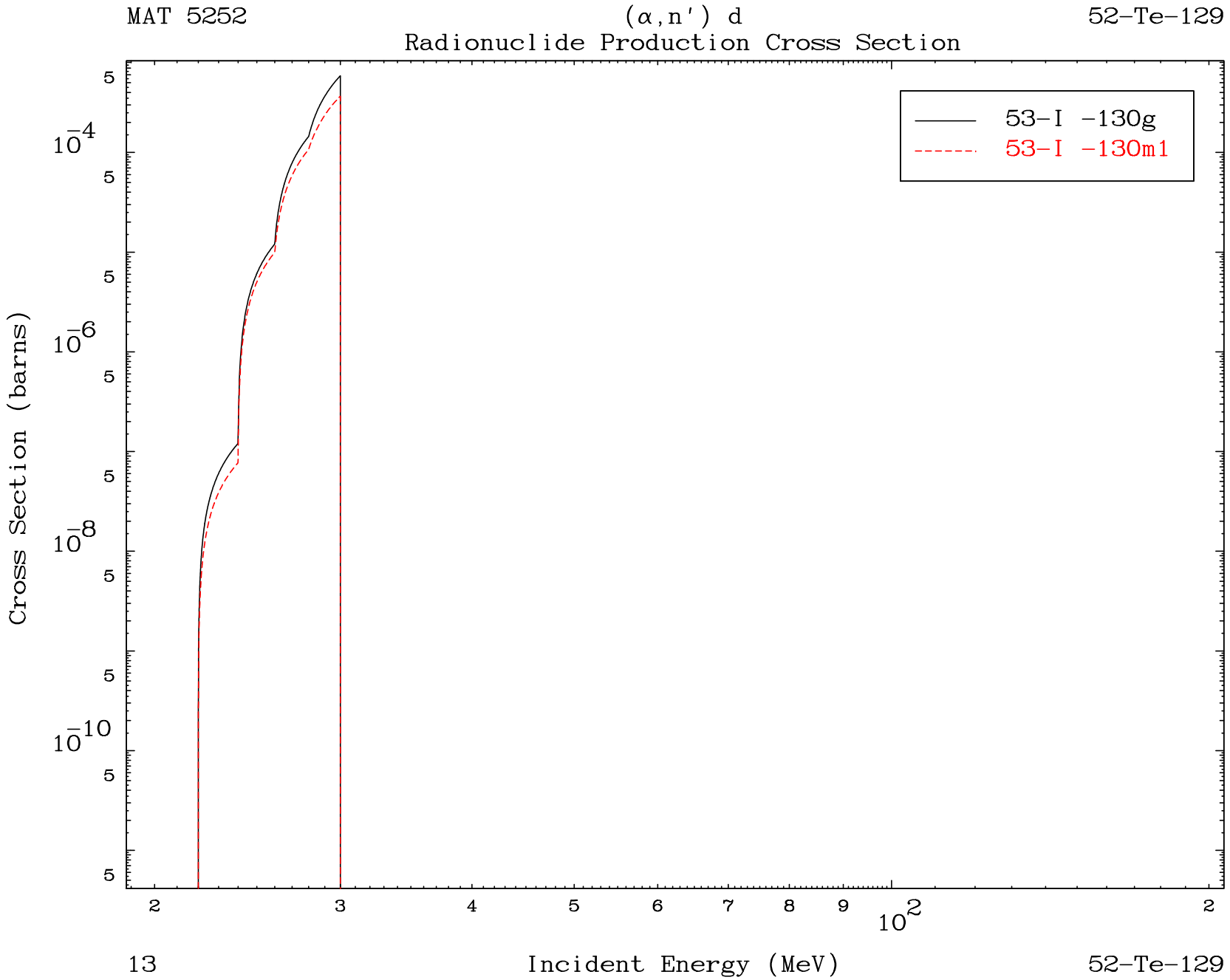
0 Kelvin Cross Sections

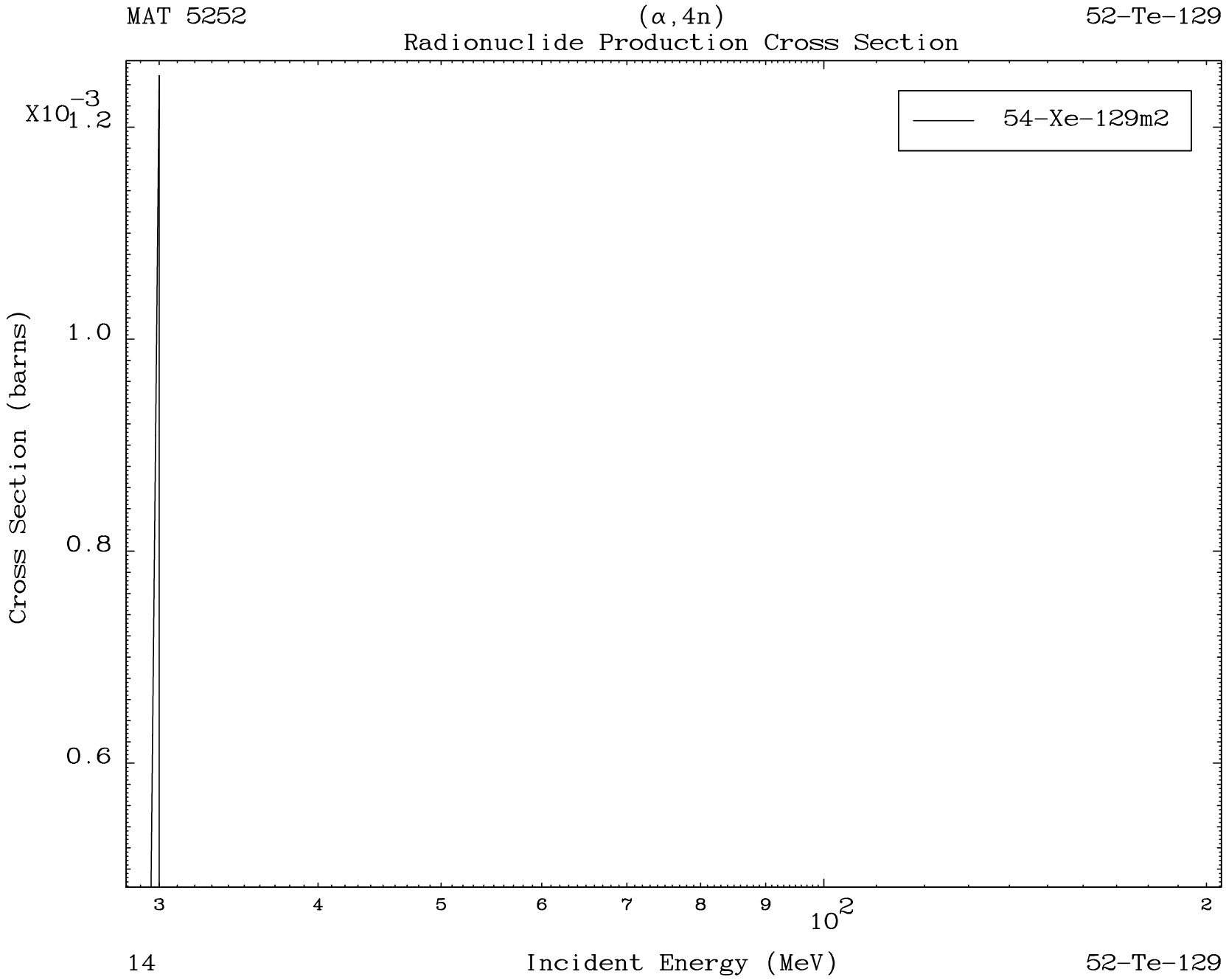


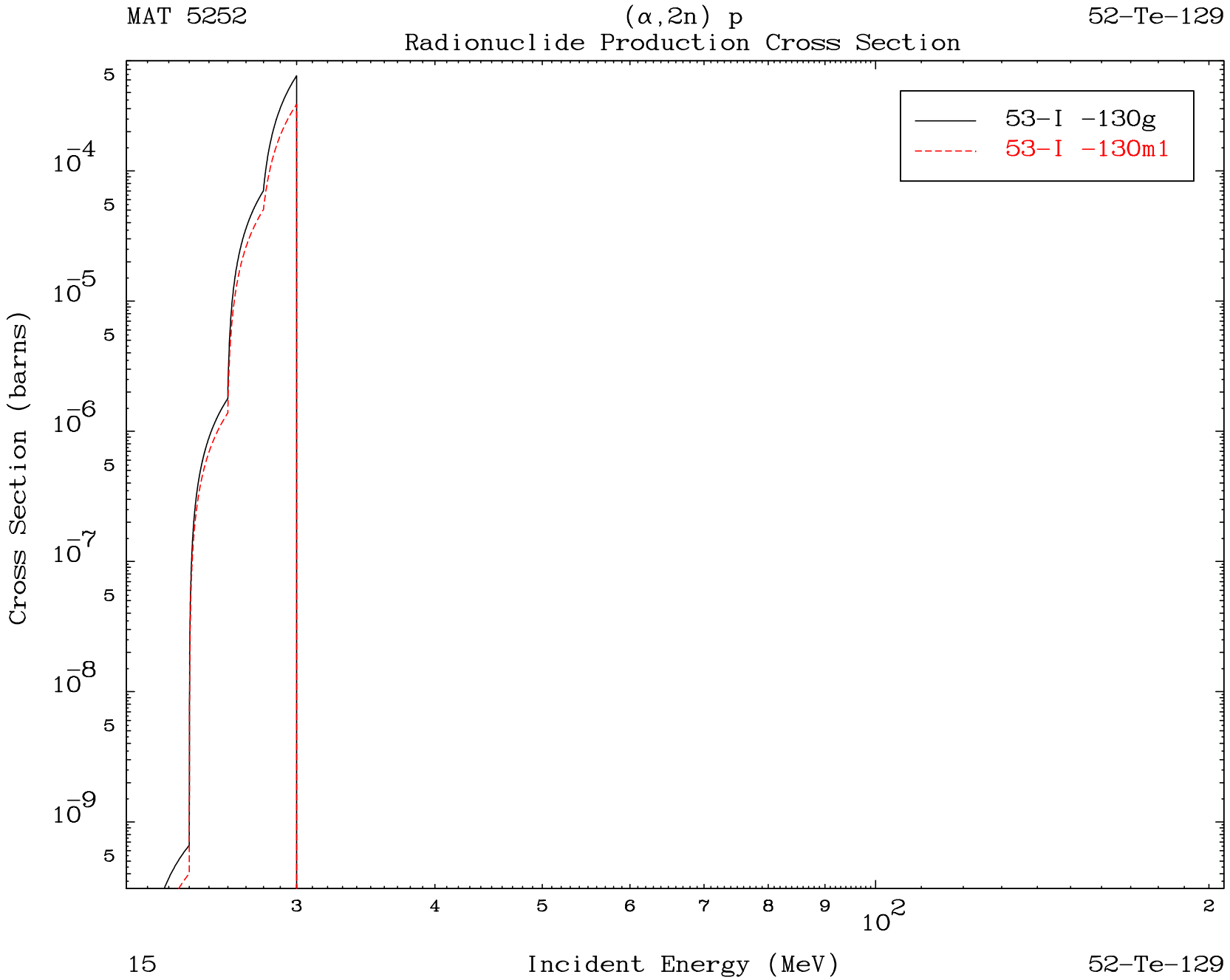

MAT 5252
(α,α) Levels
52-Te-129
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
52-Te-129

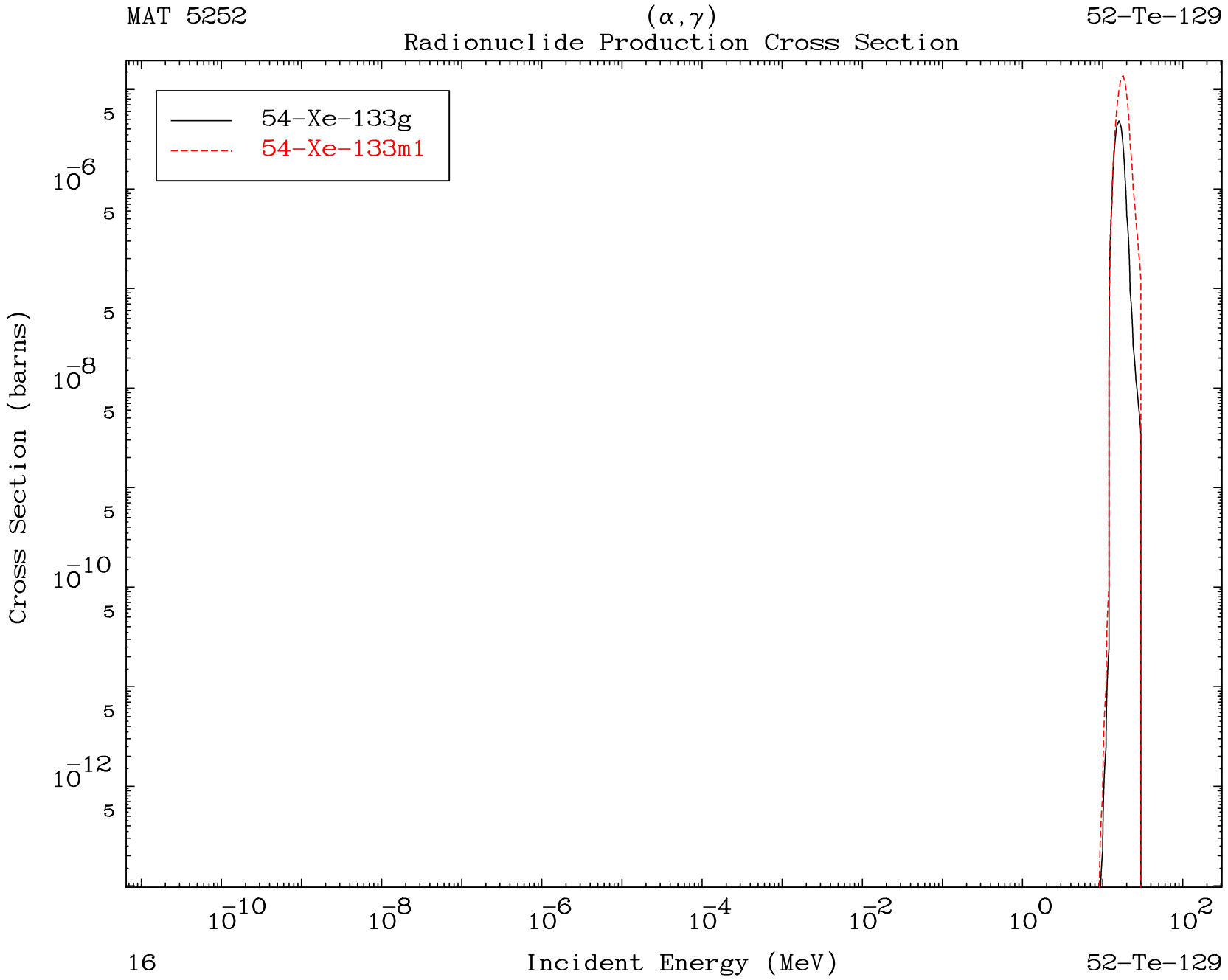

MAT 5252
(α,2n)
52-Te-129
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
54-Xe-131g
54-Xe-131m2
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
52-Te-129

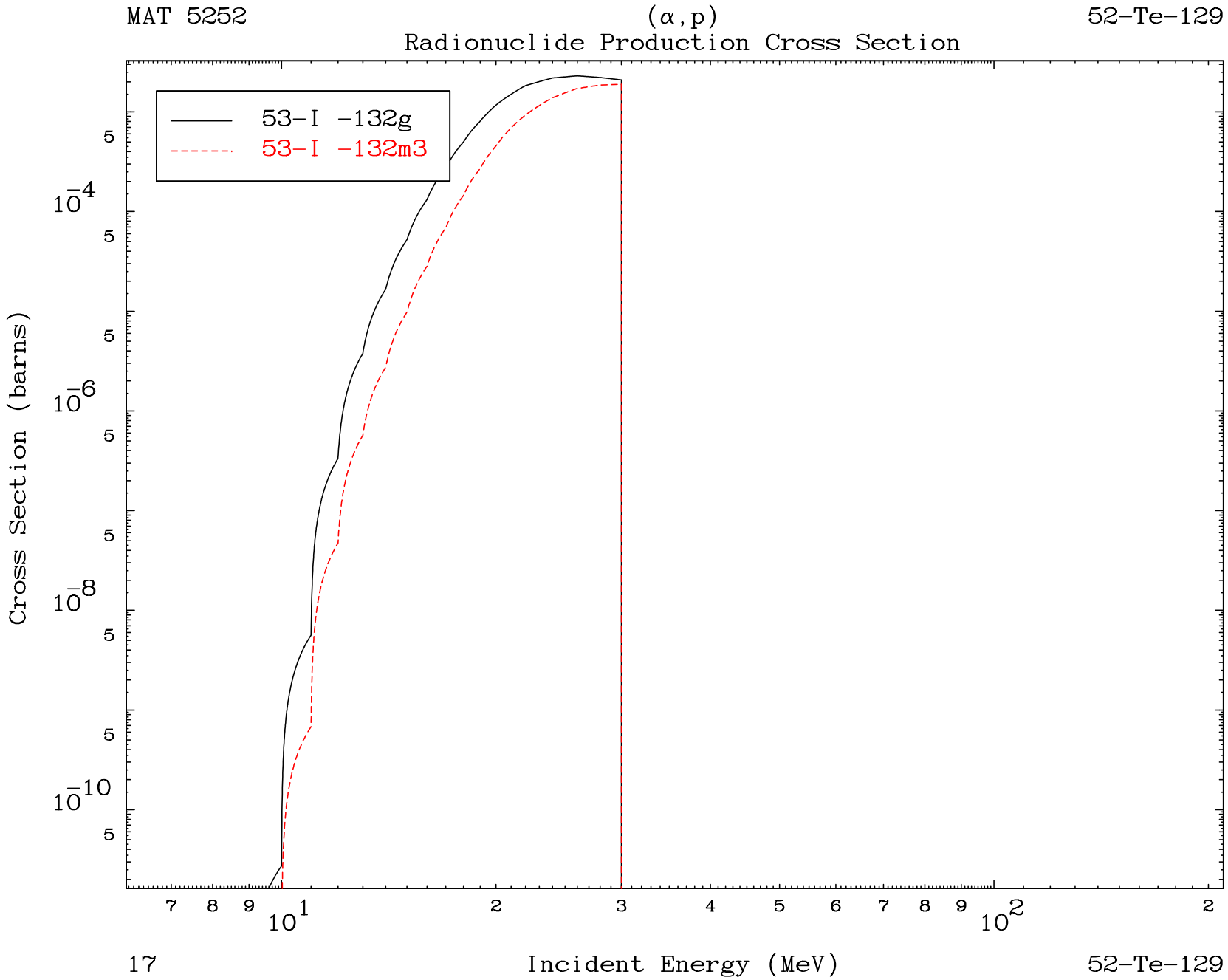

MAT 5252
(α,2n) α
52-Te-129
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
52-Te-129

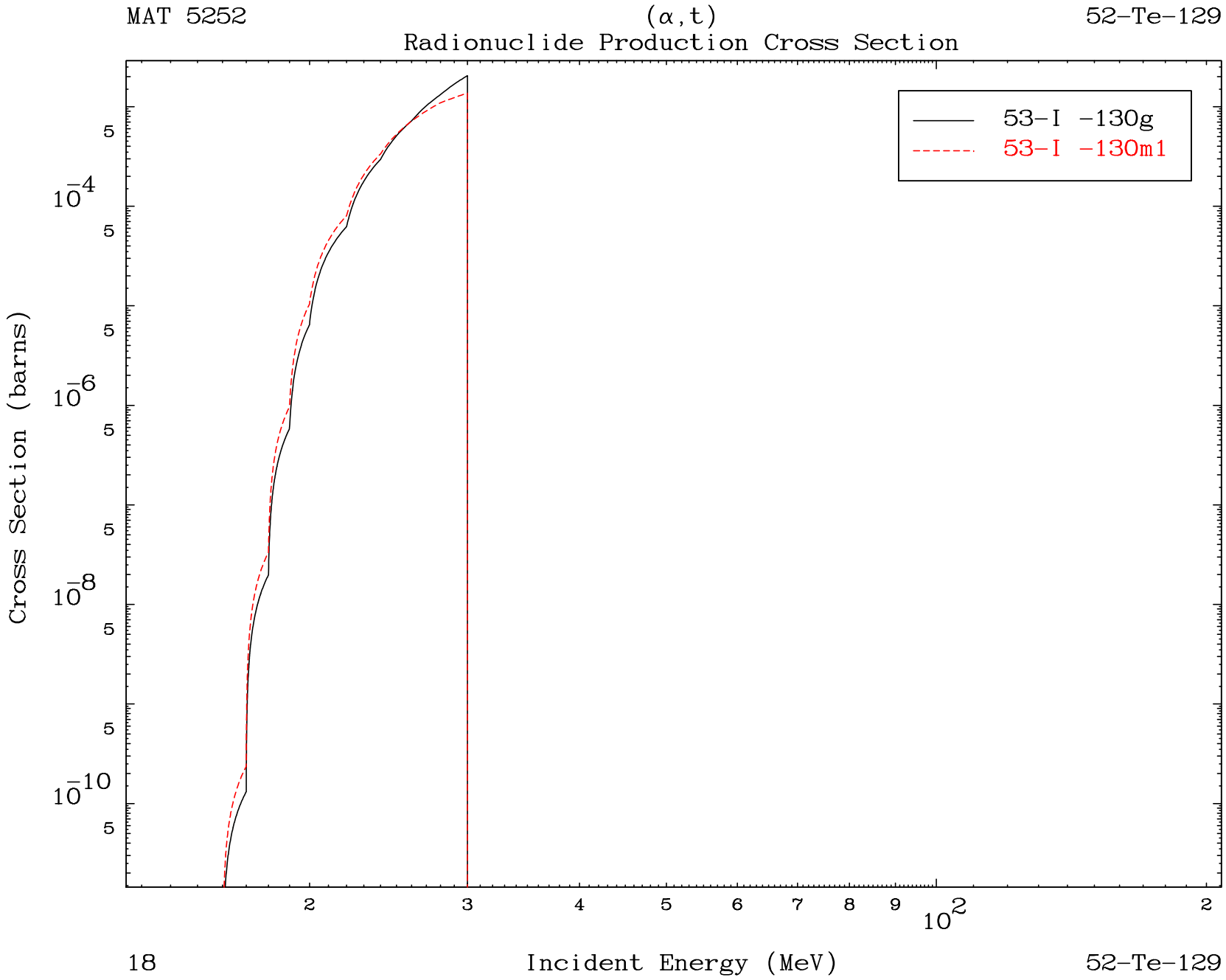

MAT 5252
(α,n') d
52-Te-129
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
13
52-Te-129

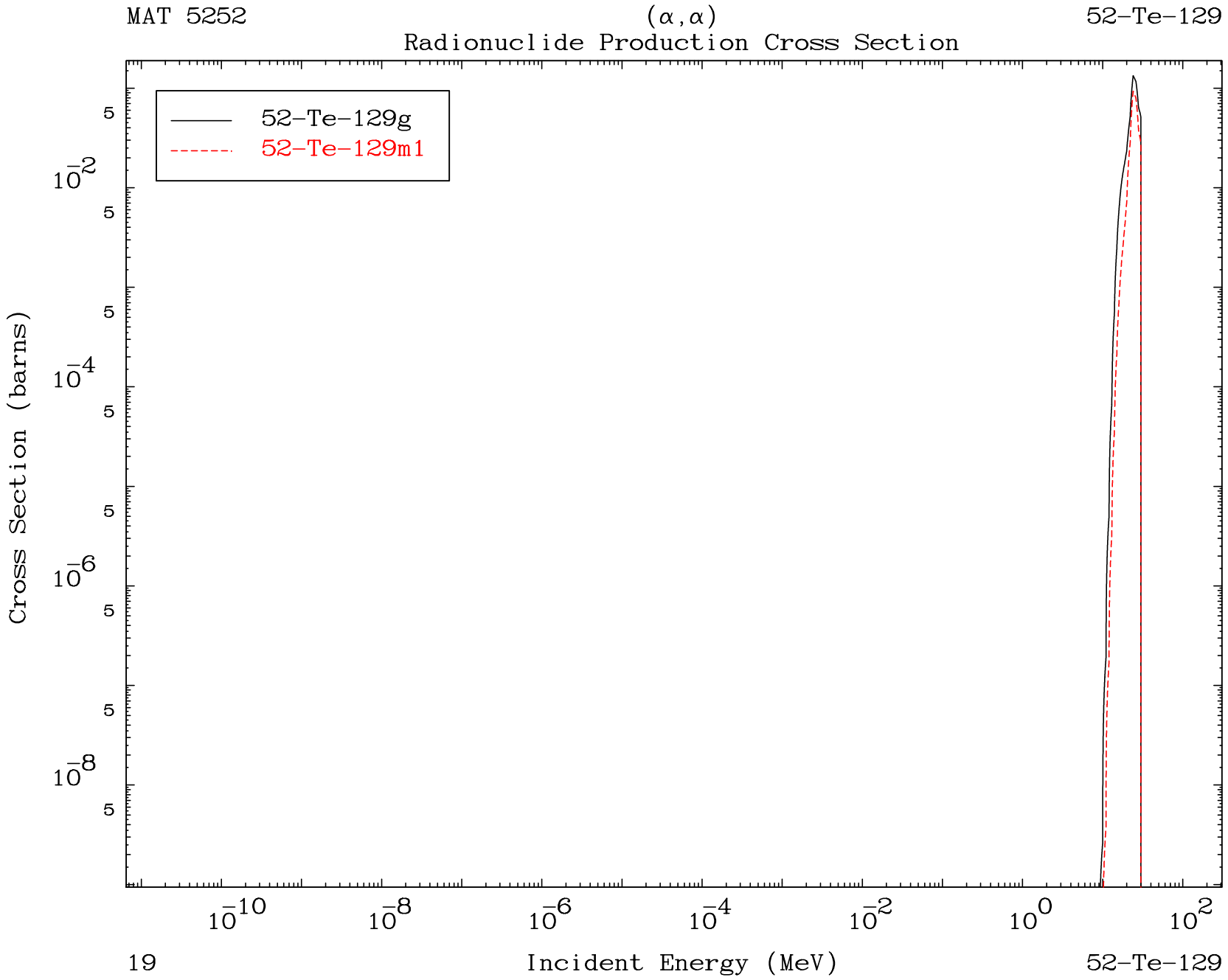

MAT 5252
(α,4n)
52-Te-129
Radionuclide Production Cross Section
X10^-3
1.2
1.0
0.8
0.6
Cross Section (barns)
54-Xe-129m2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
52-Te-129

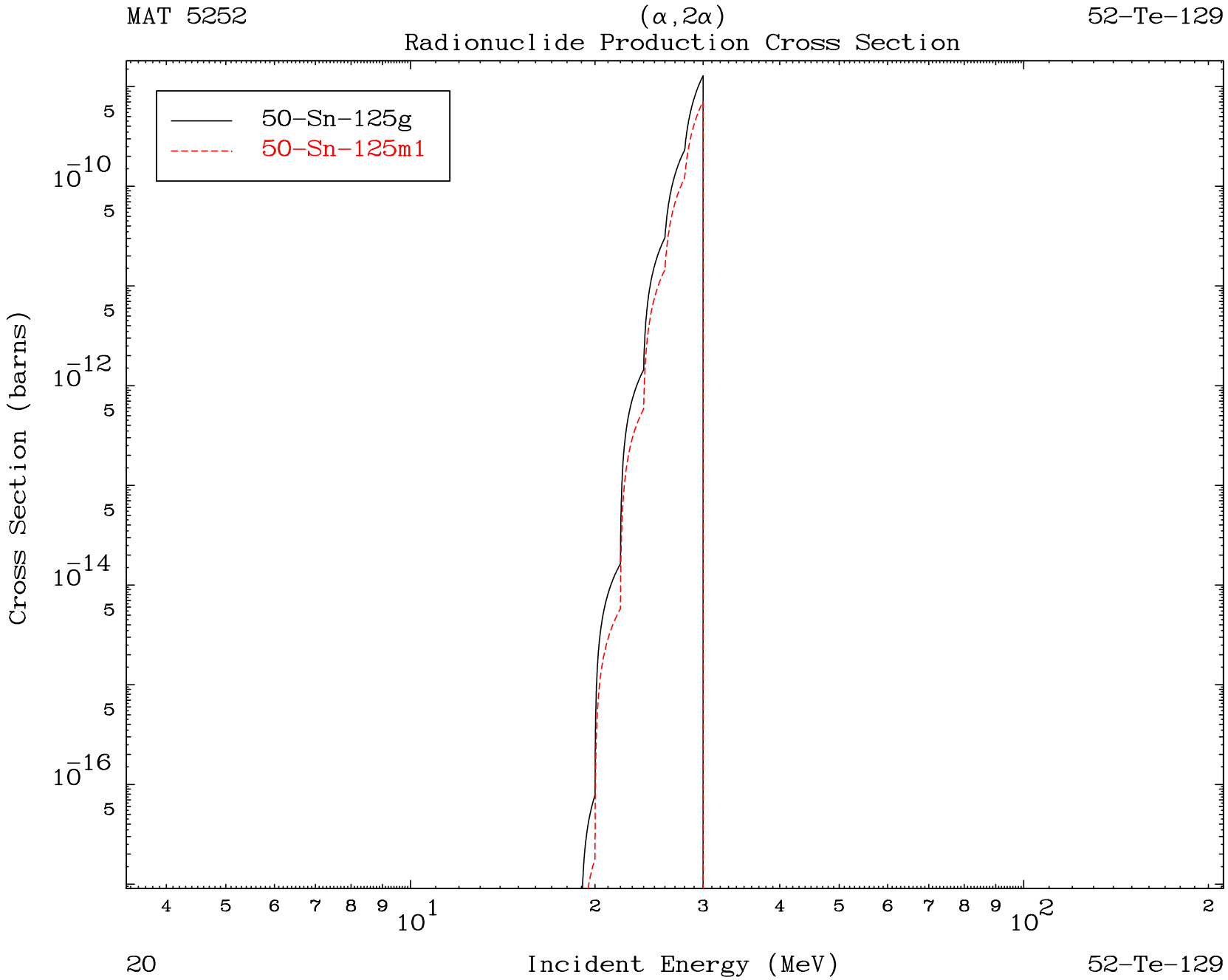

MAT 5252
(α,2n) p
52-Te-129
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
10-9
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
52-Te-129

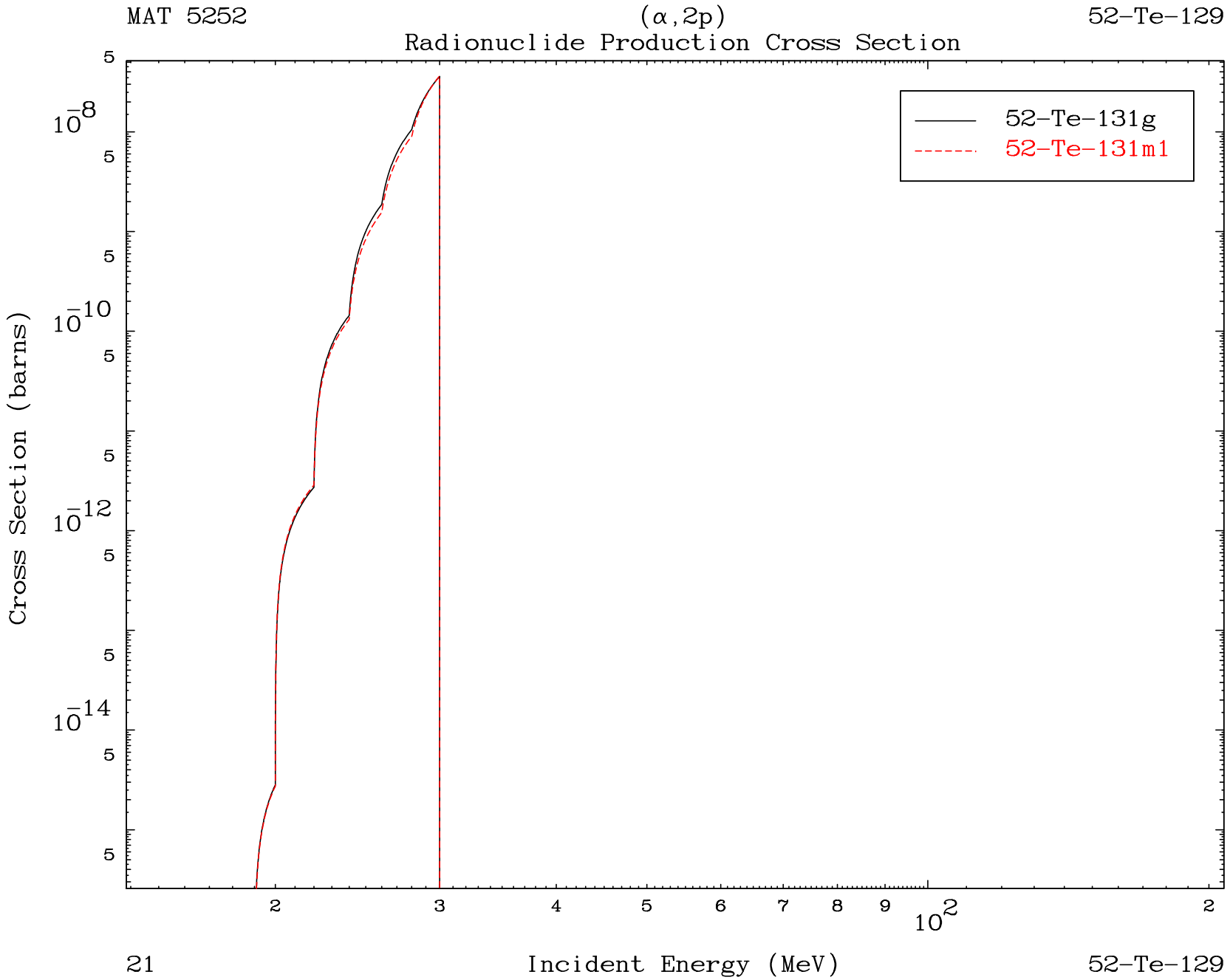

MAT 5252
(α,γ)
52-Te-129
Radionuclide Production Cross Section
54-Xe-133g
54-Xe-133m1
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-129

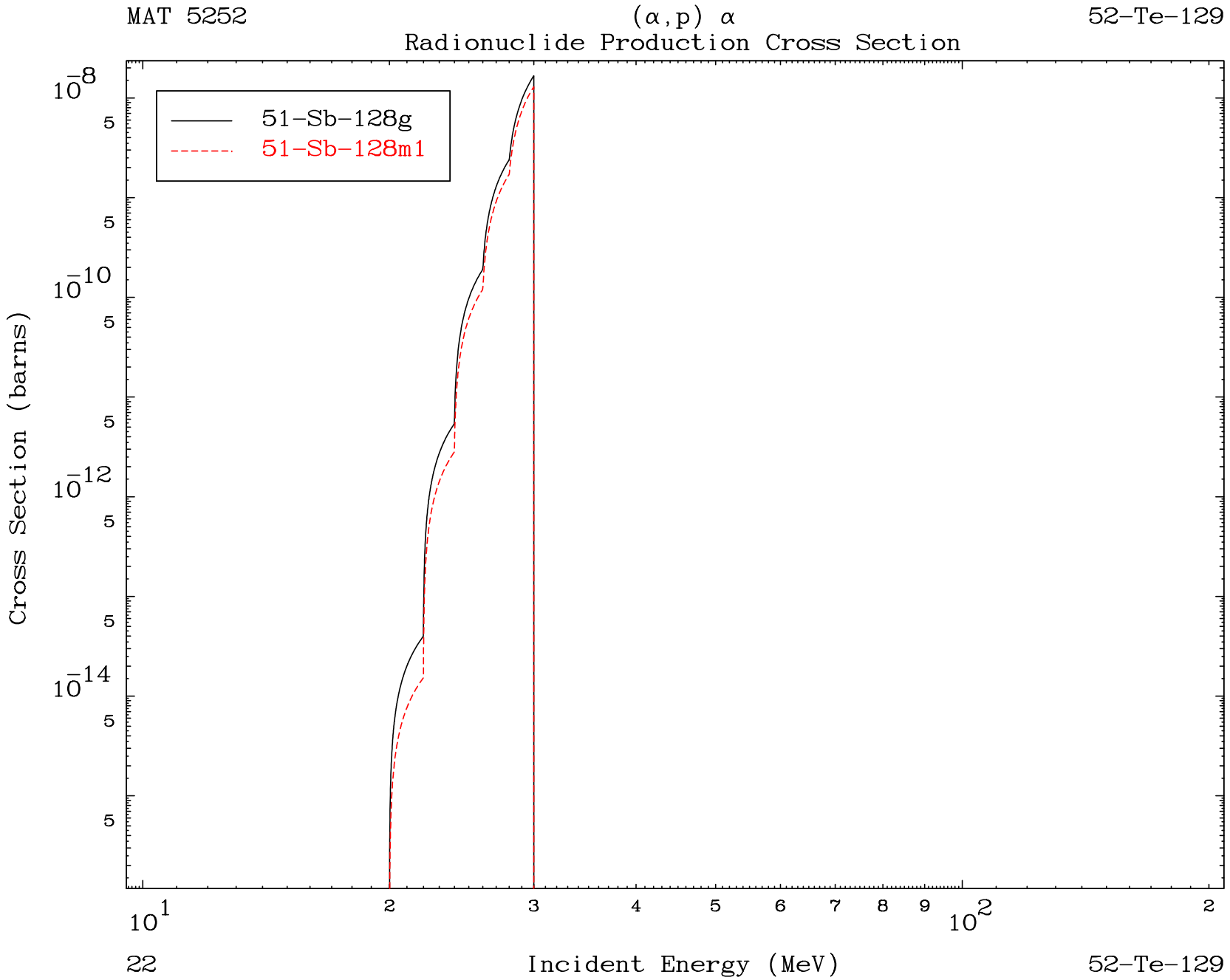

MAT 5252
(α,p)
52-Te-129
Radionuclide Production Cross Section
53-I -132g
53-I -132m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
17
52-Te-129


MAT 5252
(α,t)
52-Te-129
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
18
Incident Energy (MeV)
52-Te-129


MAT 5252
(α,α)
52-Te-129
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
19
52-Te-129


MAT 5252
(α,2α)
52-Te-129
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
20
52-Te-129


MAT 5252
(α,2p)
52-Te-129
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
52-Te-129


MAT 5252
(α,p) α
52-Te-129
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
22
52-Te-129