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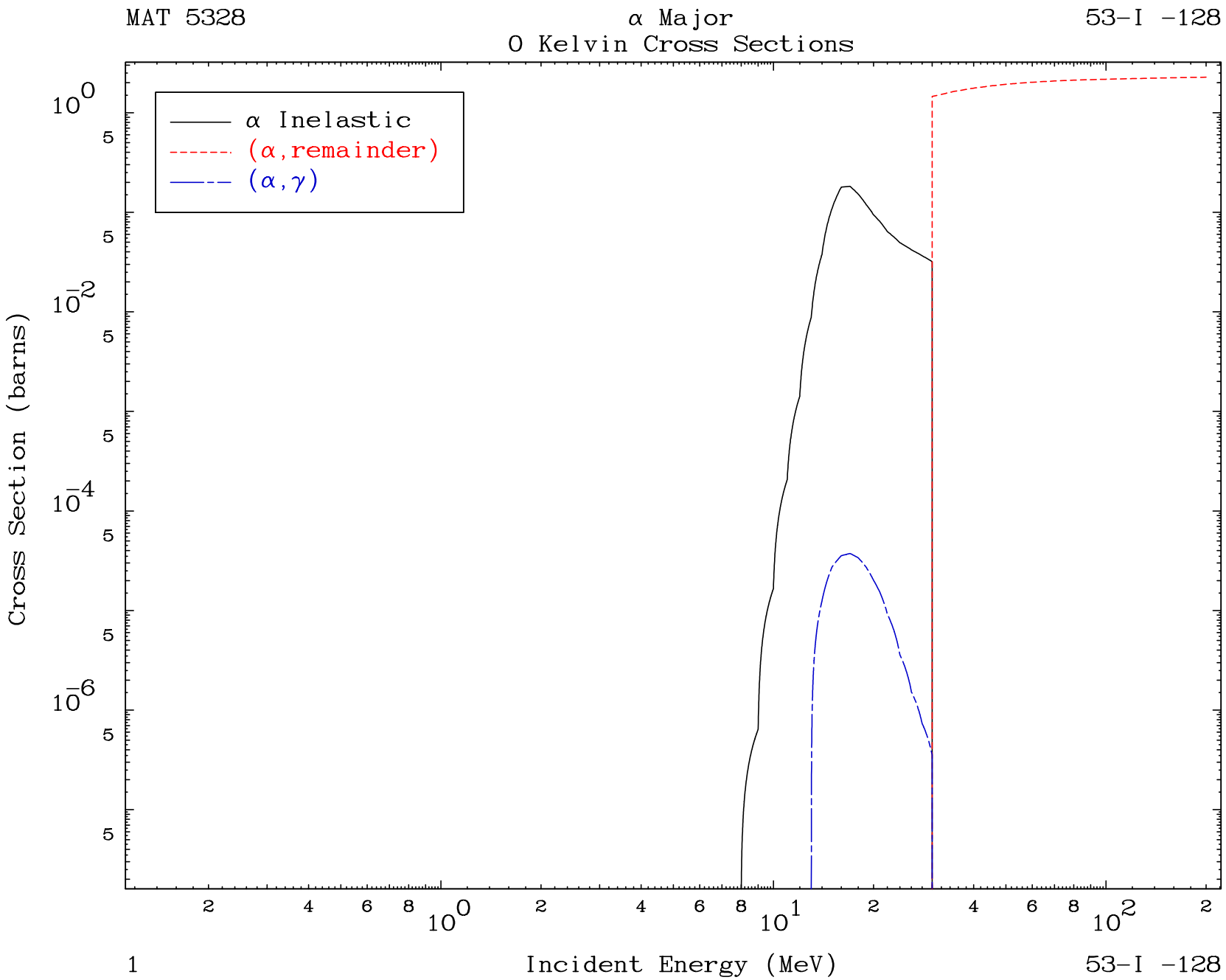
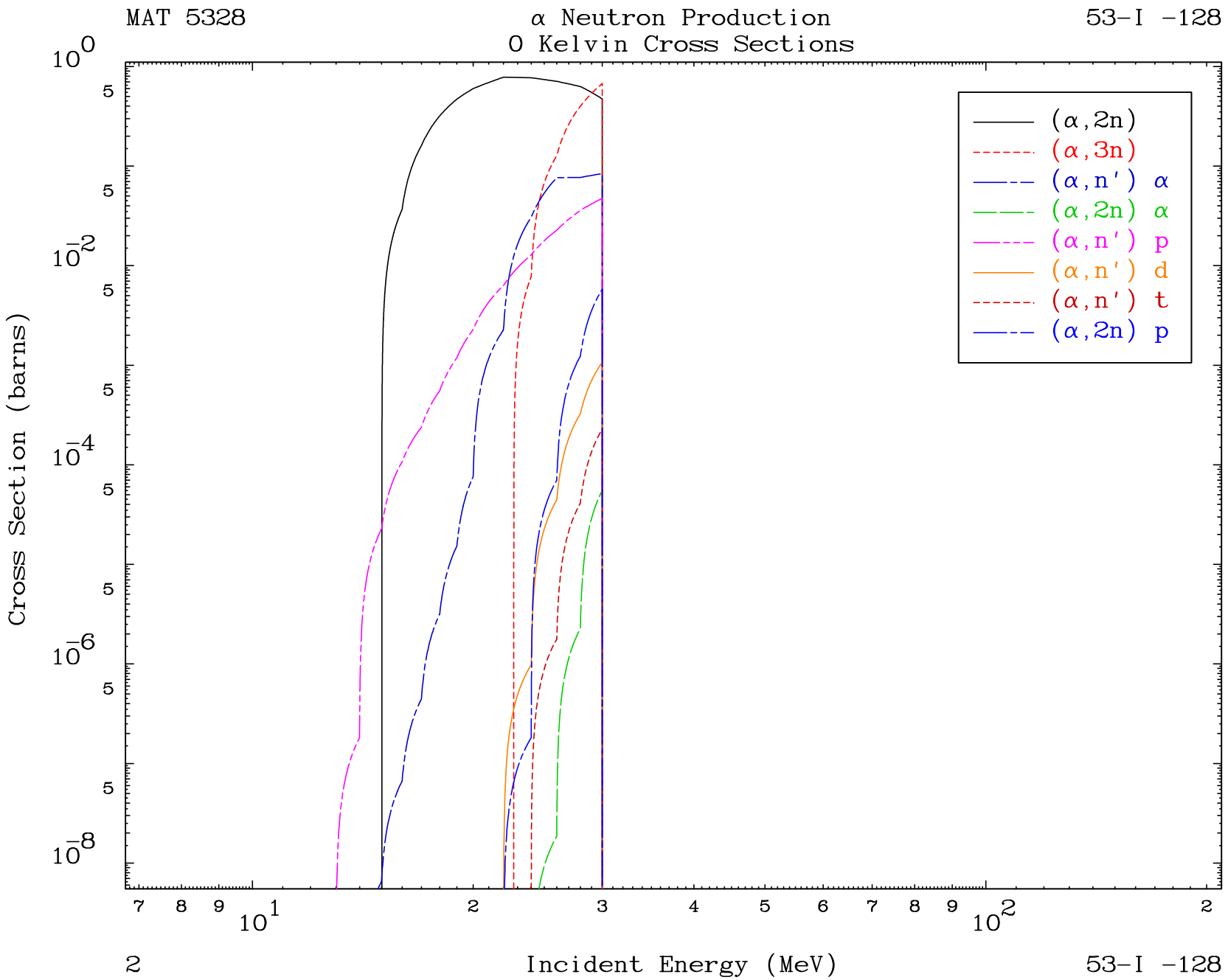
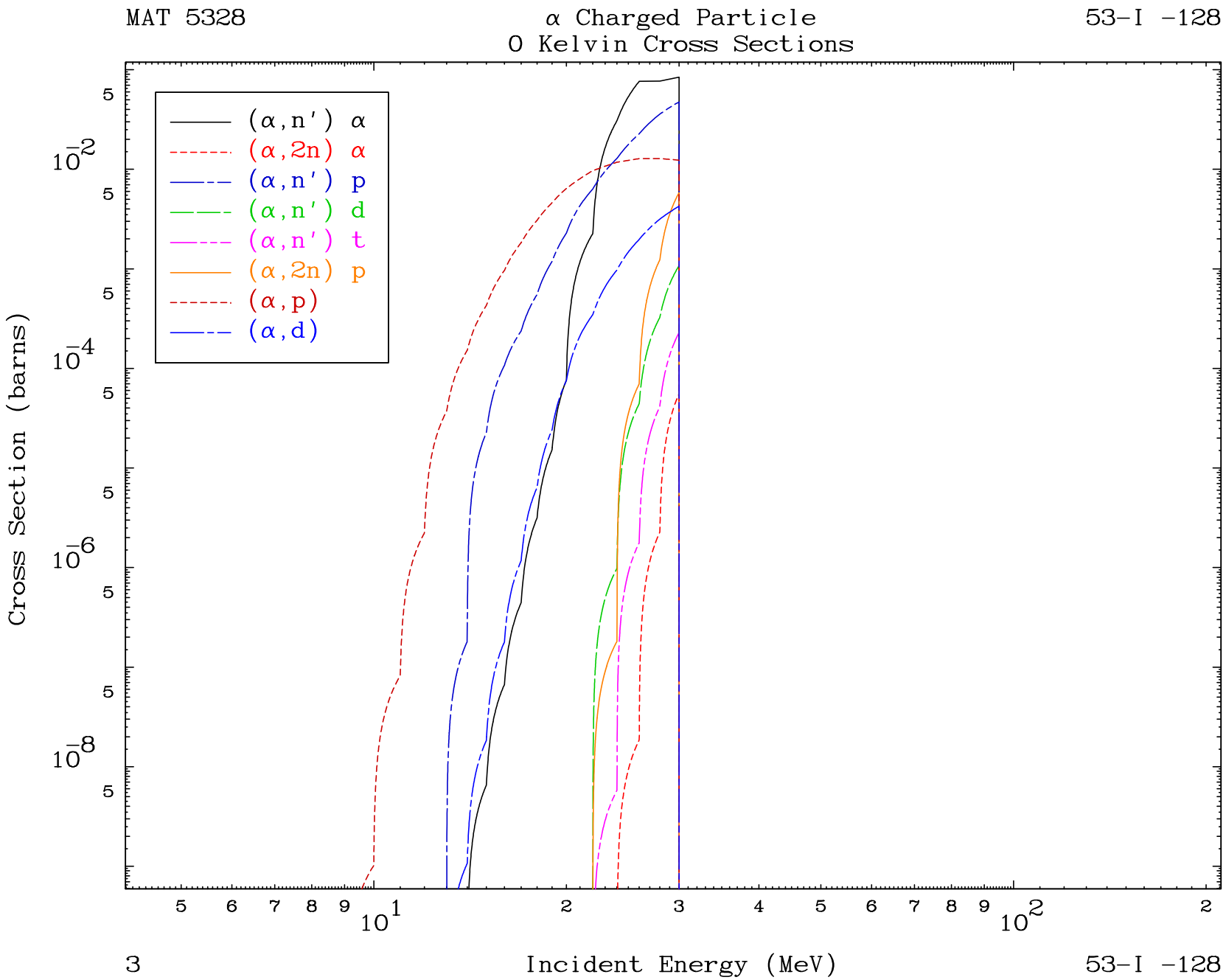
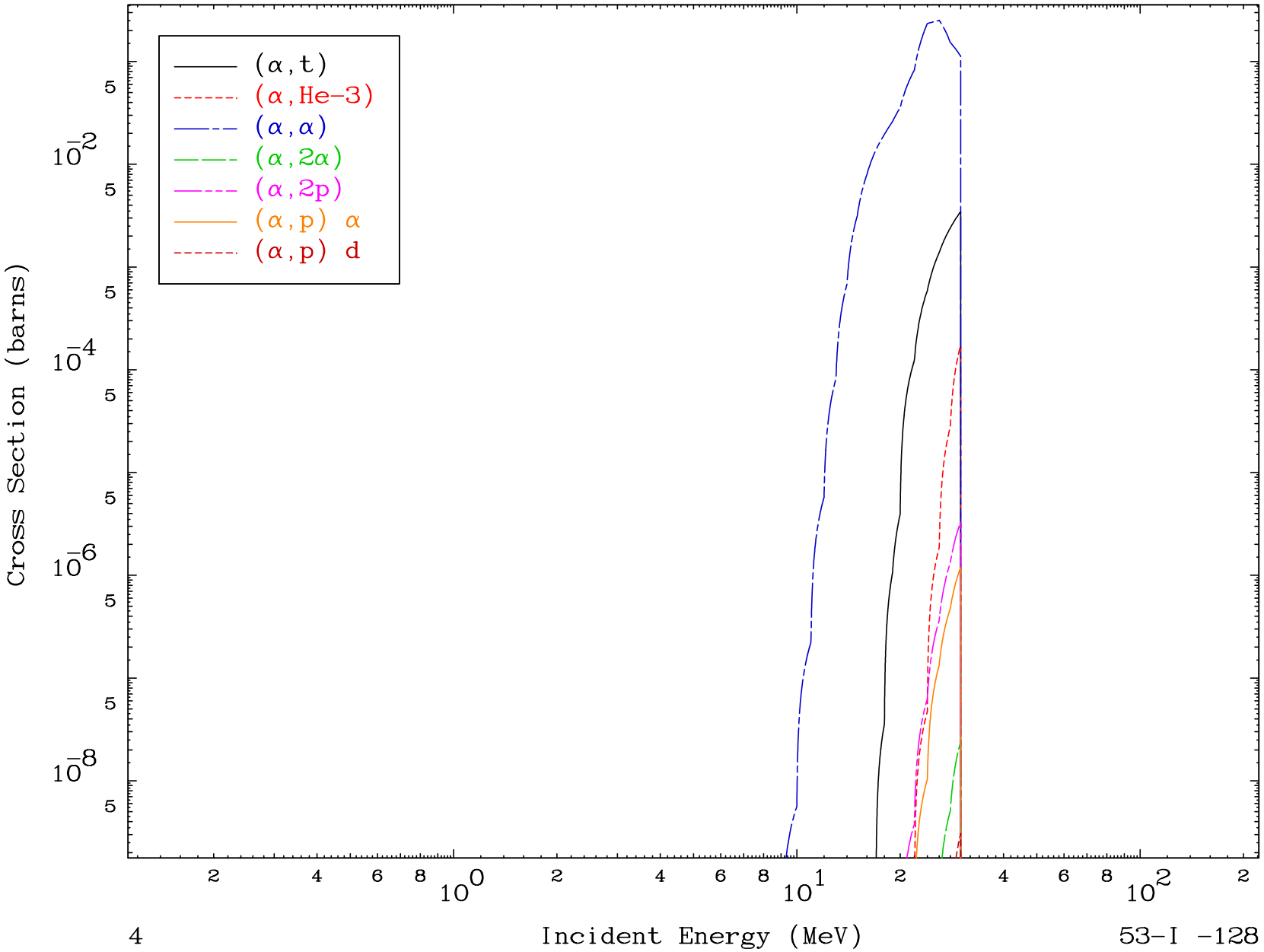
Press Mouse Button to Start

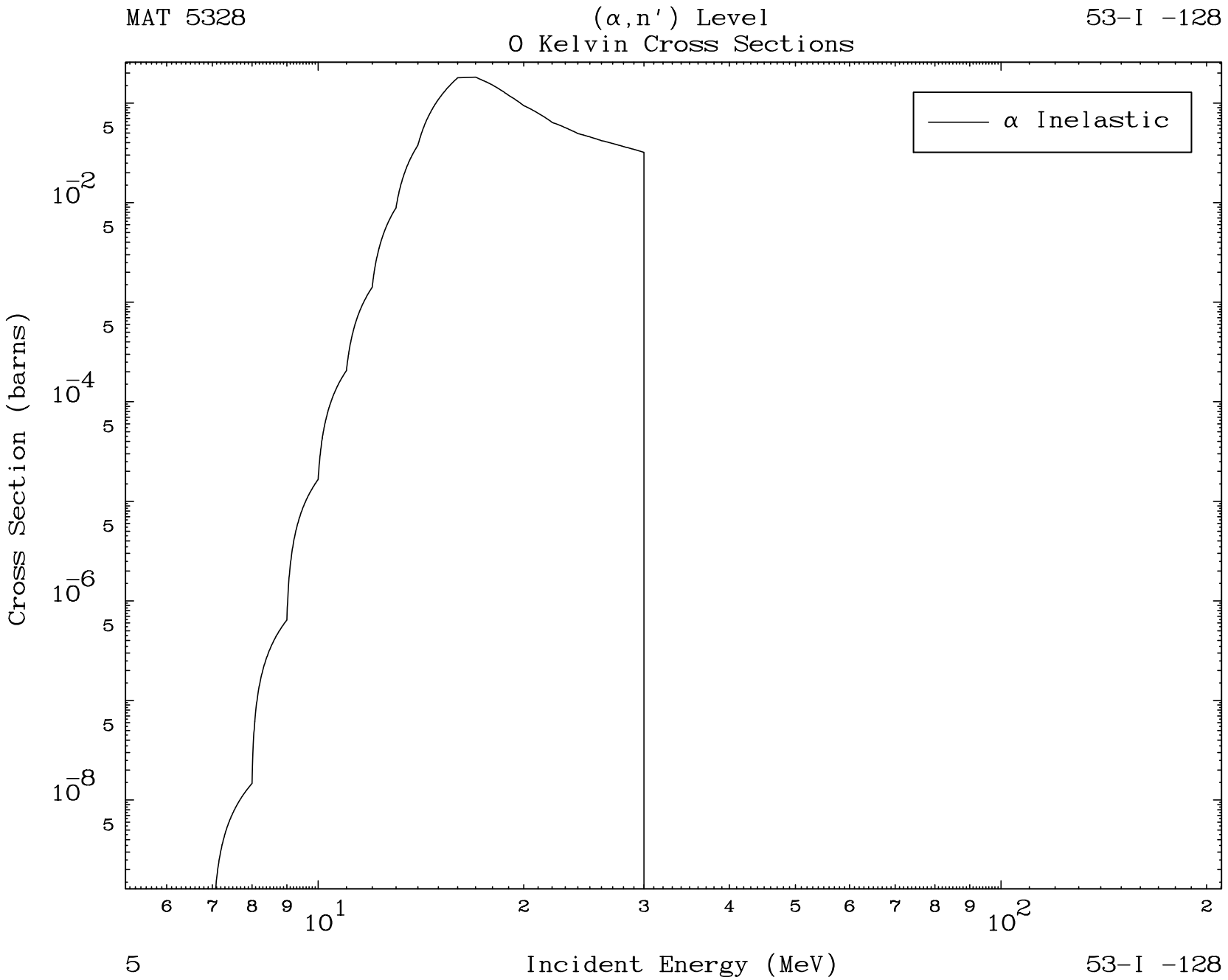

MAT 5328
α Major
53-I -128
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -128

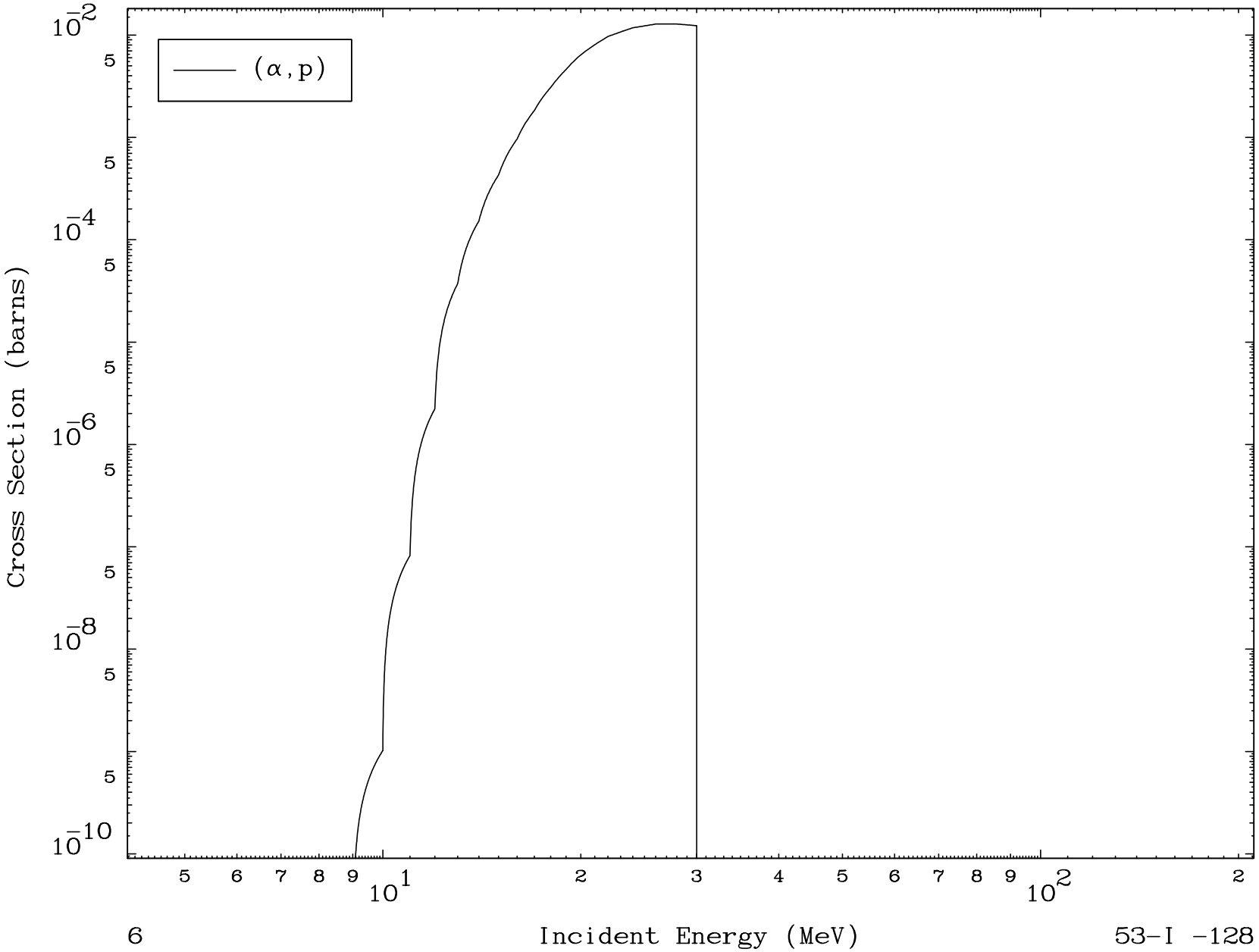

MAT 5328
α Neutron Production
0 Kelvin Cross Sections
53-I -128
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

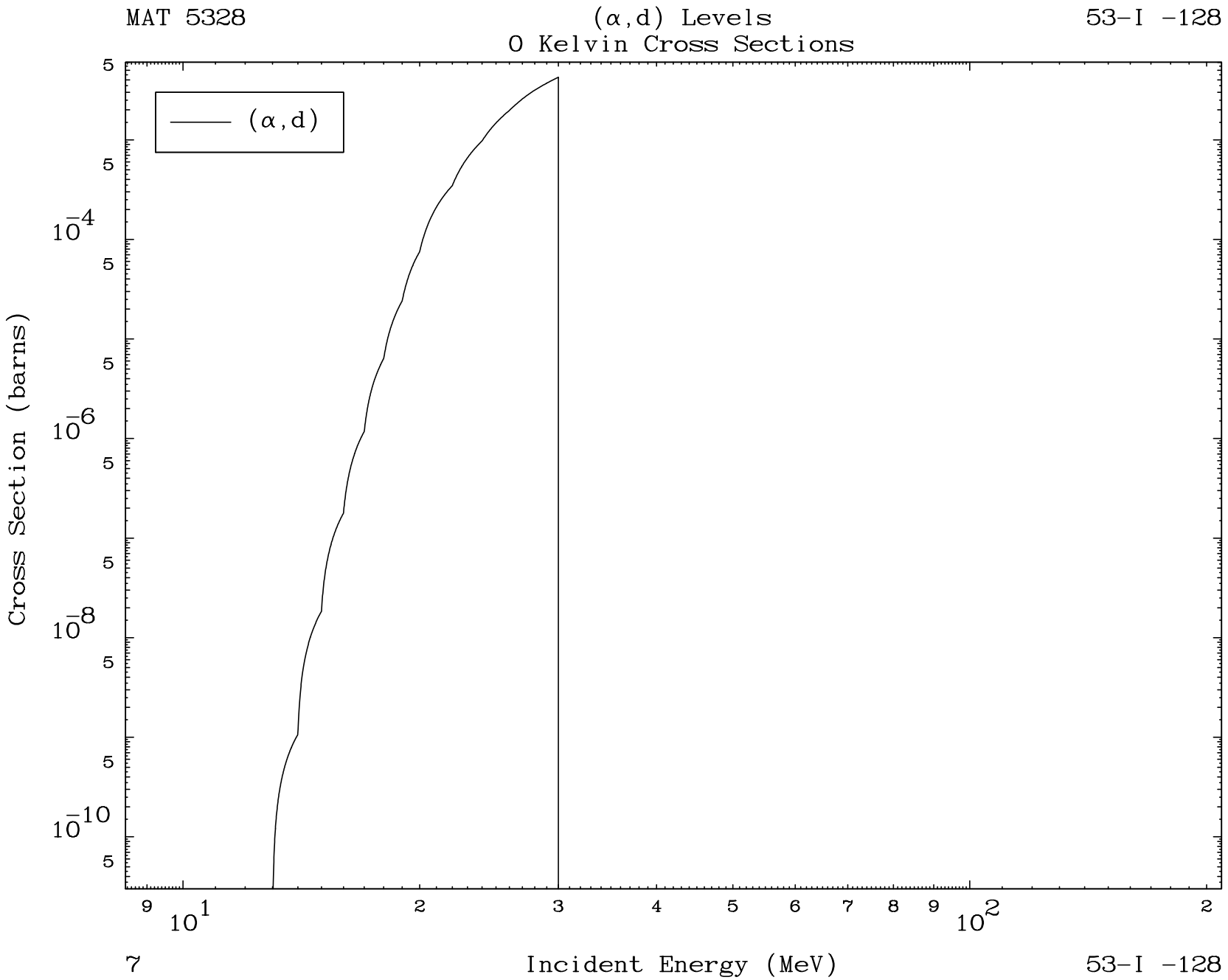

MAT 5328
α Charged Particle
0 Kelvin Cross Sections
53-I -128
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -128

0 Kelvin Cross Sections

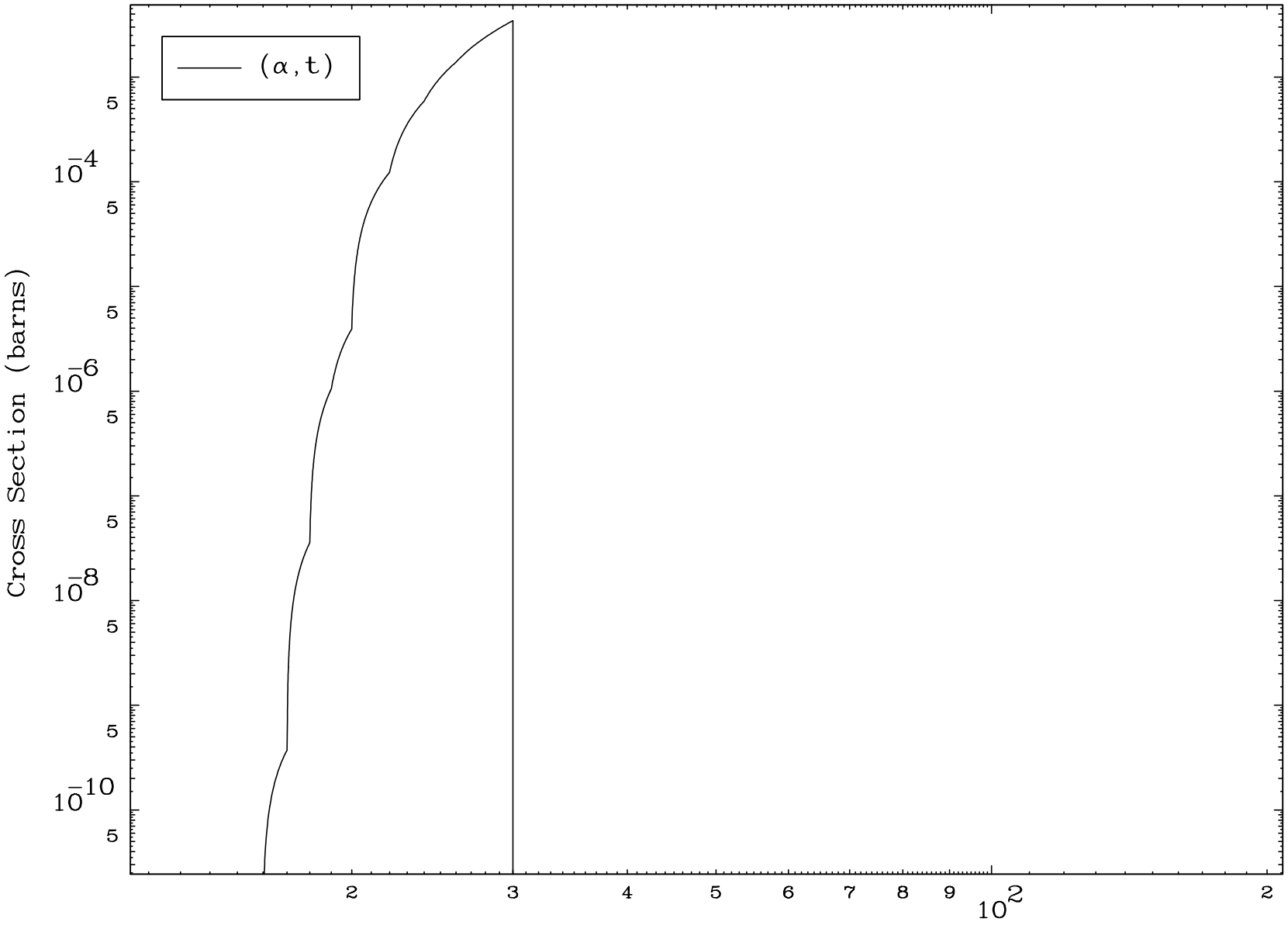


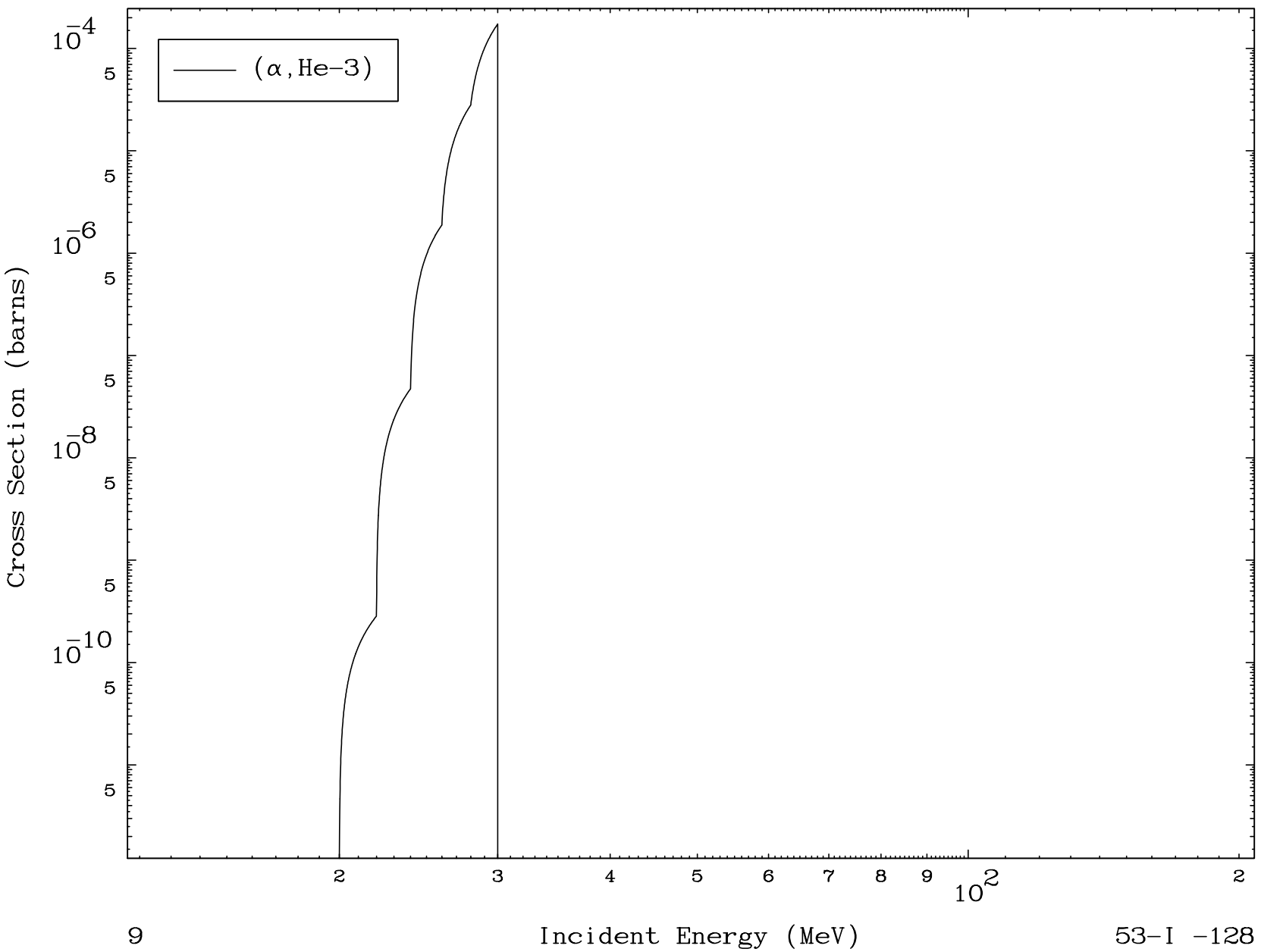

MAT 5328
(α,n') Level
53-I -128
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
53-I -128

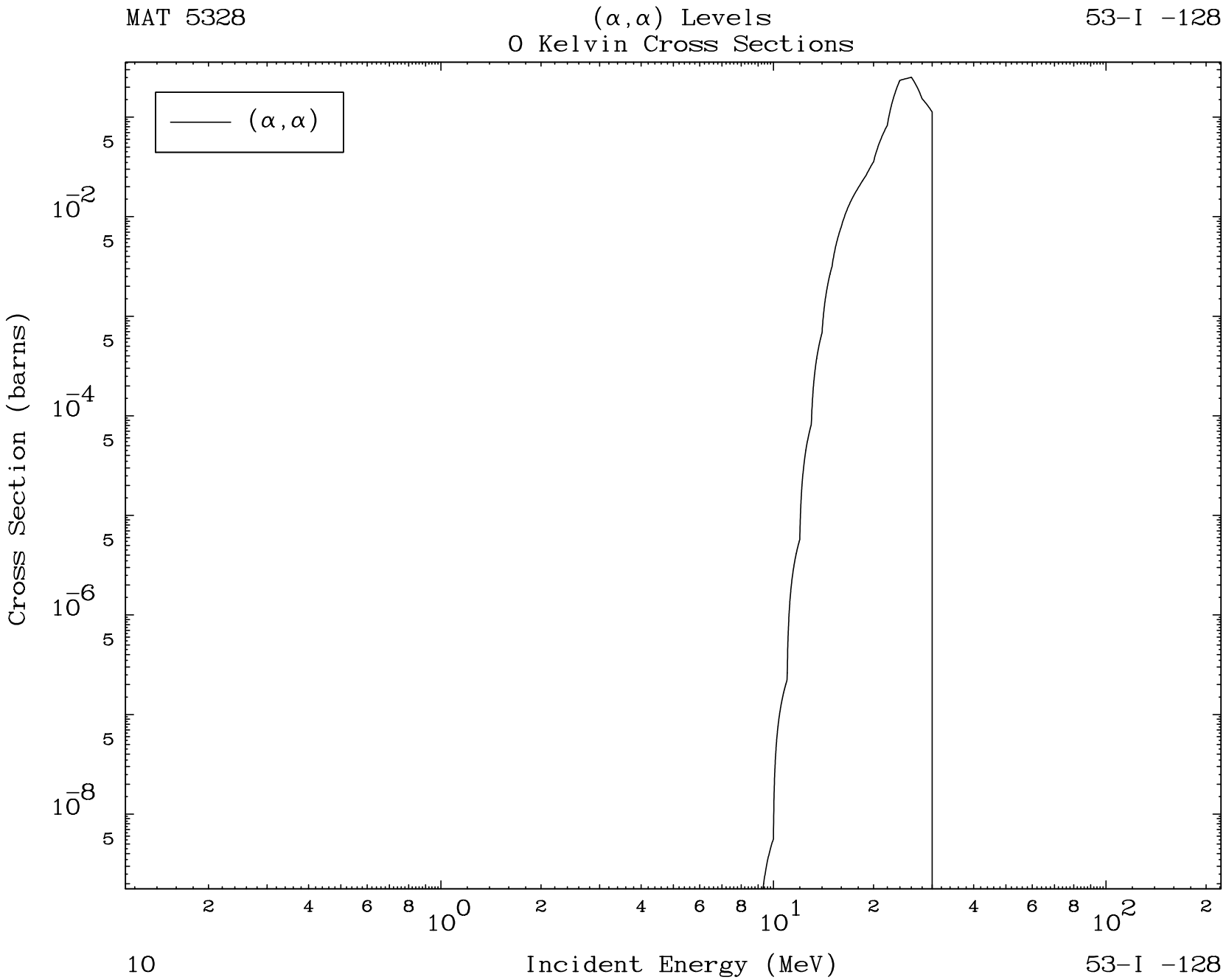

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

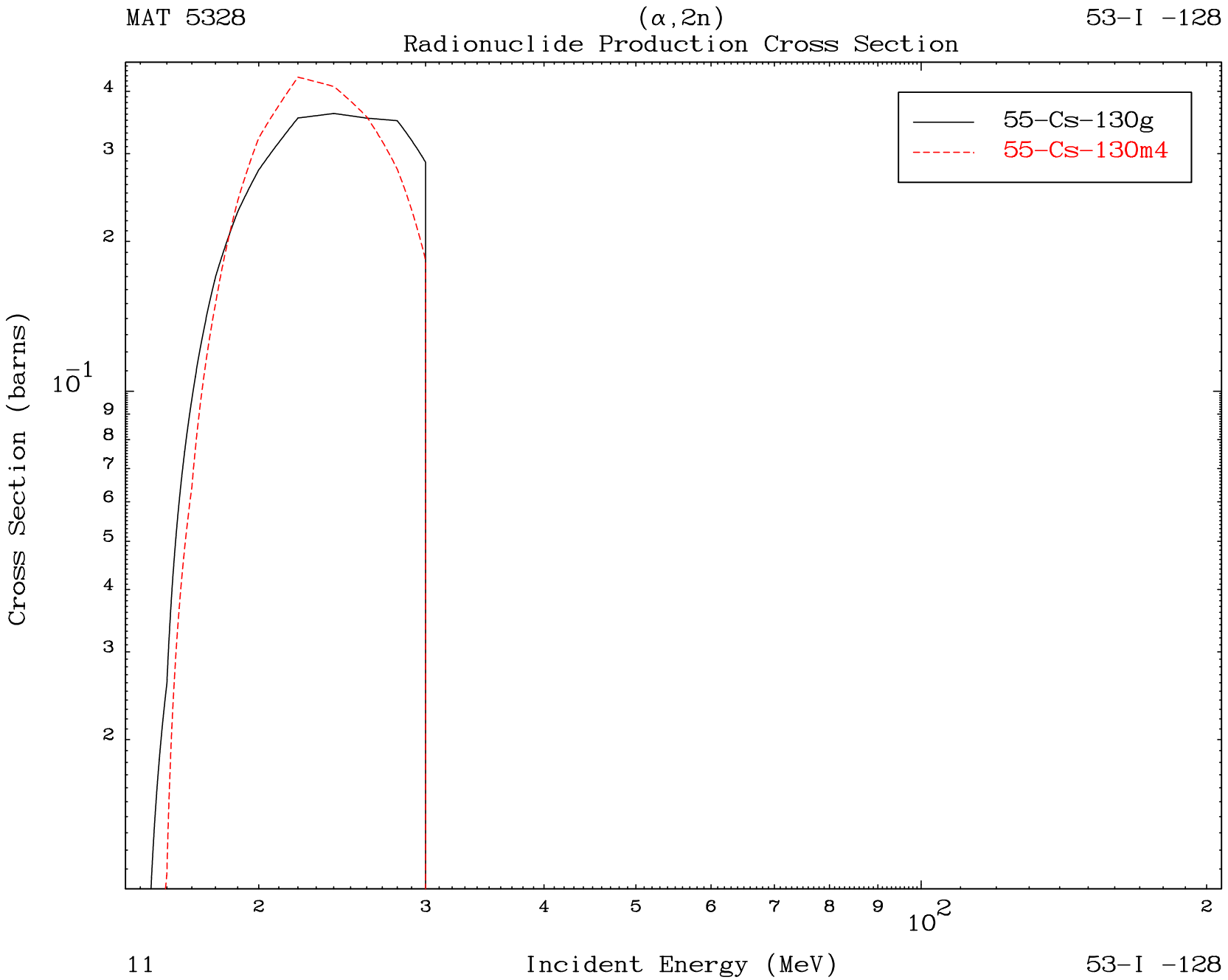

MAT 5328
(α,d) Levels
53-I -128
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
53-I -128

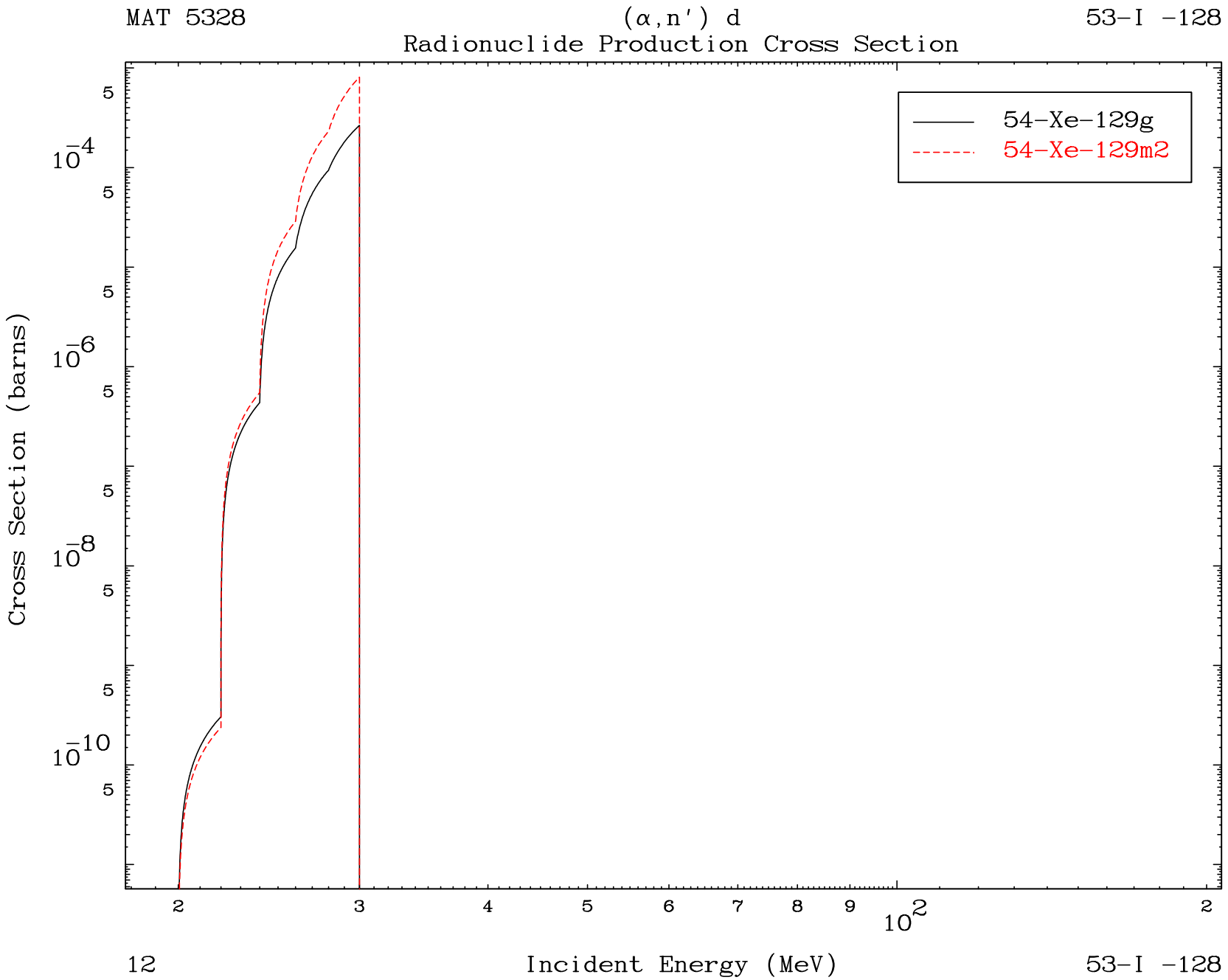
0 Kelvin Cross Sections

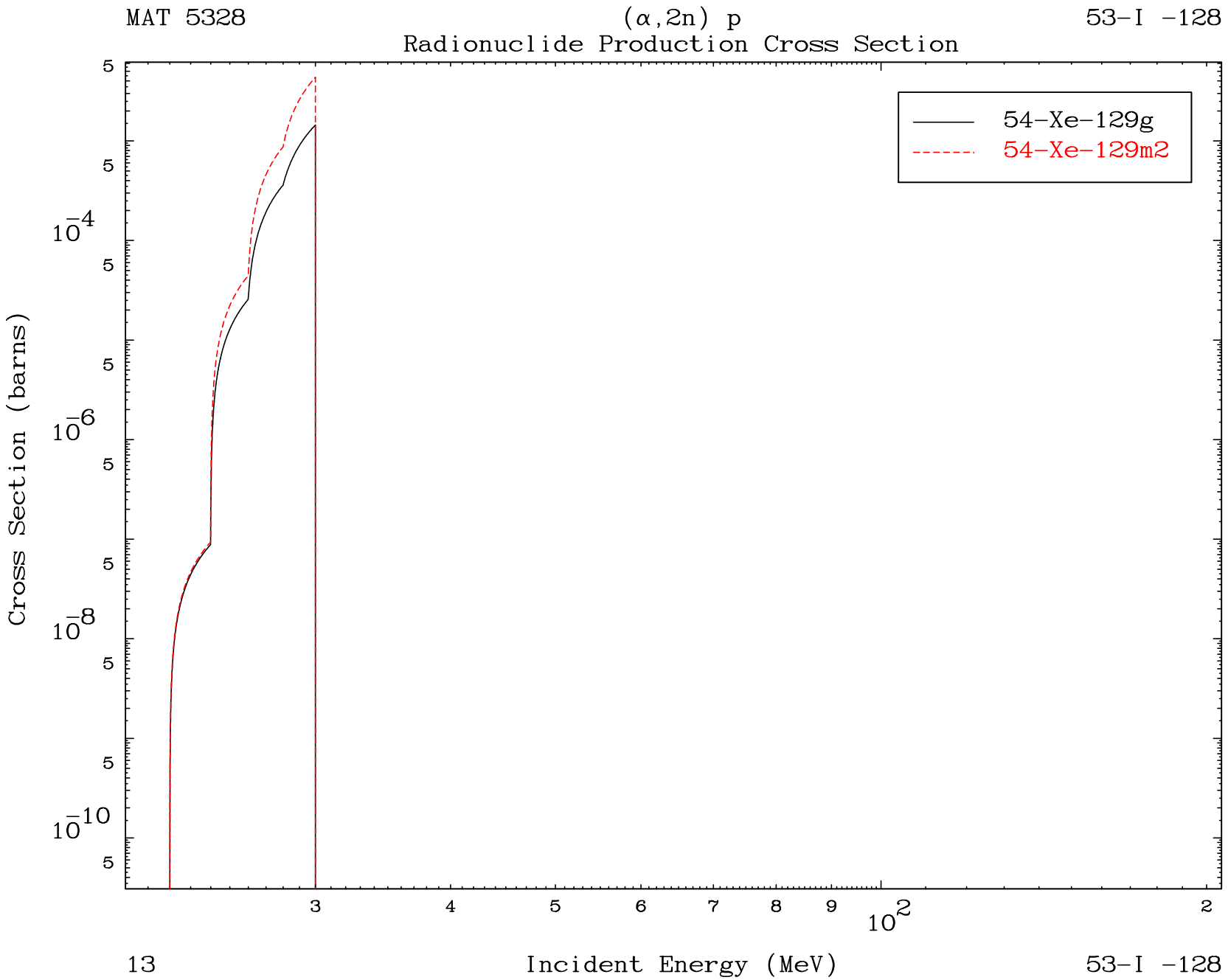


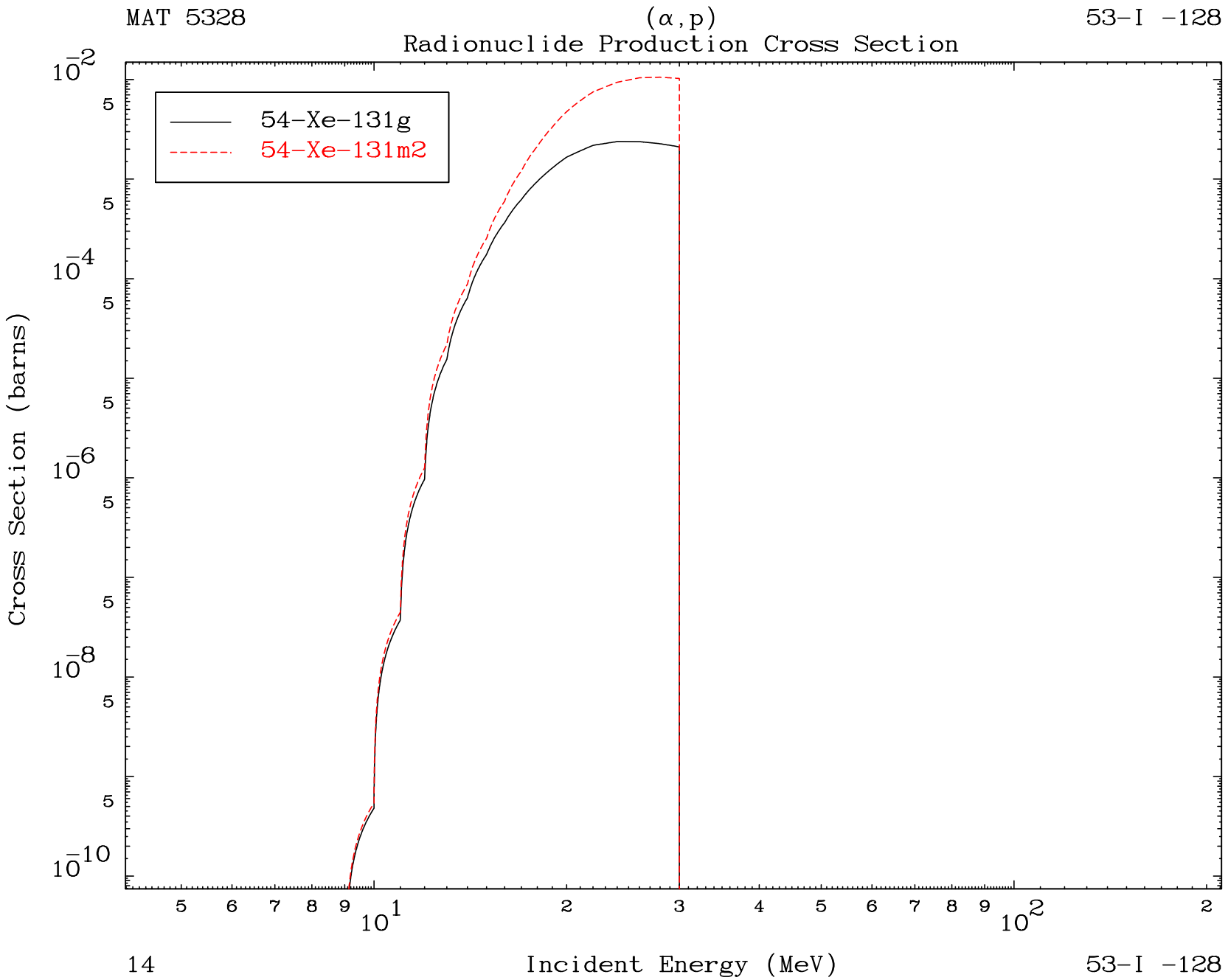

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

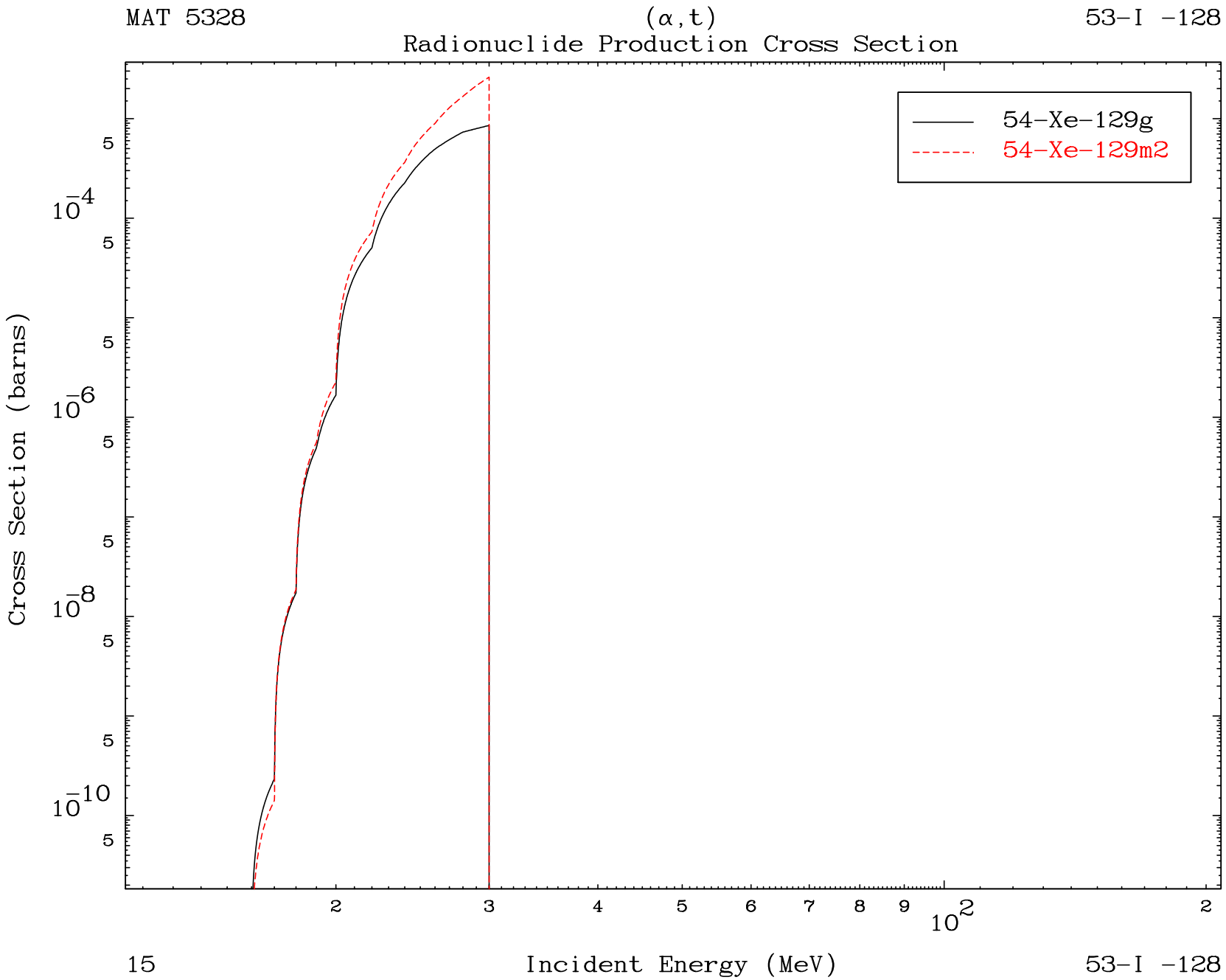

MAT 5328
(α,α) Levels
53-I -128
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
53-I -128

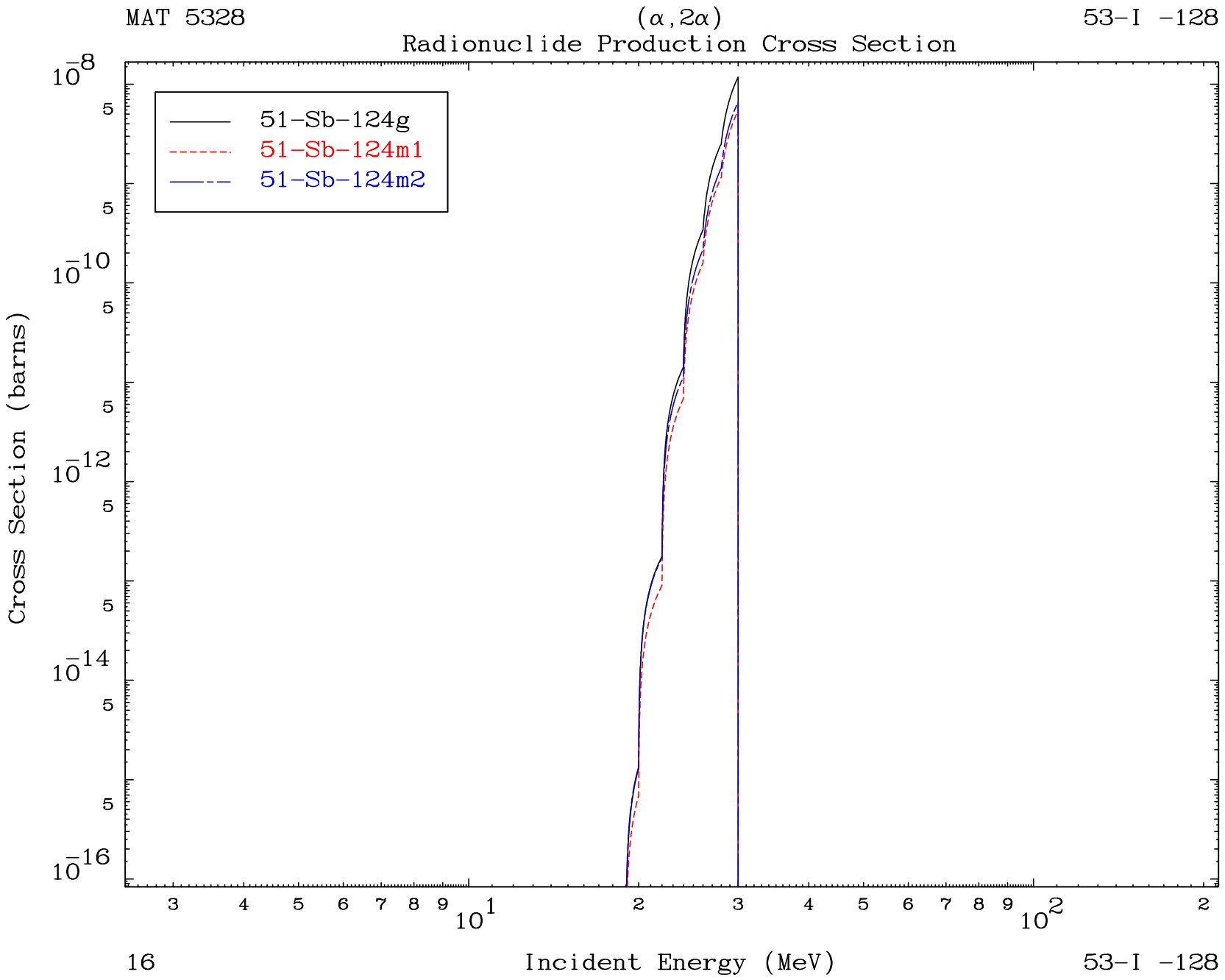

MAT 5328
(α,2n)
53-I -128
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10^1
4
3
2
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
53-I -128

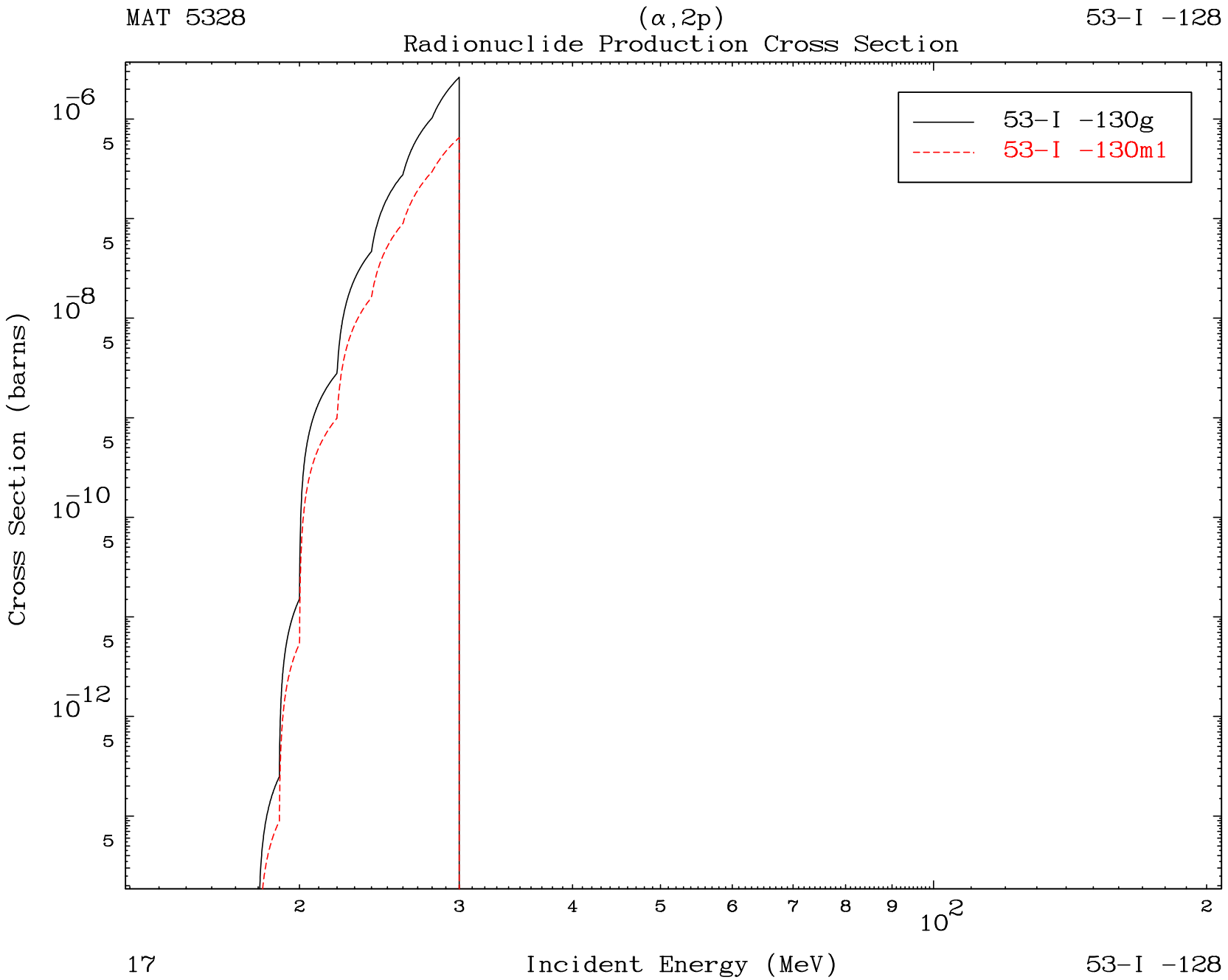

MAT 5328
(α,n') d
53-I -128
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
12
53-I -128

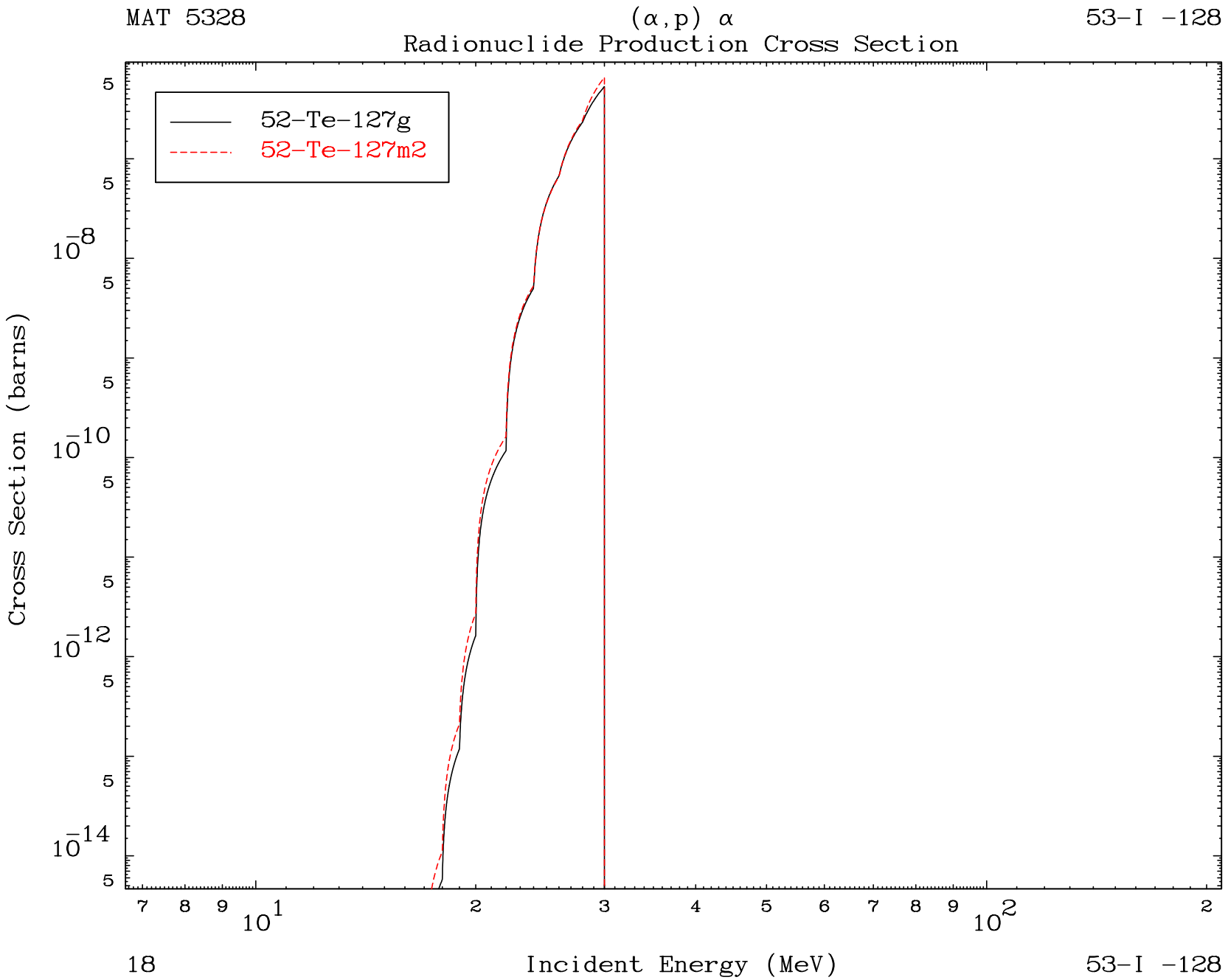

MAT 5328
(α,2n) p
53-I -128
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
53-I -128


MAT 5328
(α,p)
53-I -128
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
14
53-I -128


MAT 5328
(α,t)
53-I -128
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
53-I -128


MAT 5328
(α,2α)
53-I -128
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
16
53-I -128


MAT 5328
(α,2p)
53-I -128
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
53-I -128


MAT 5328
(α,p) α
53-I -128
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
18
53-I -128