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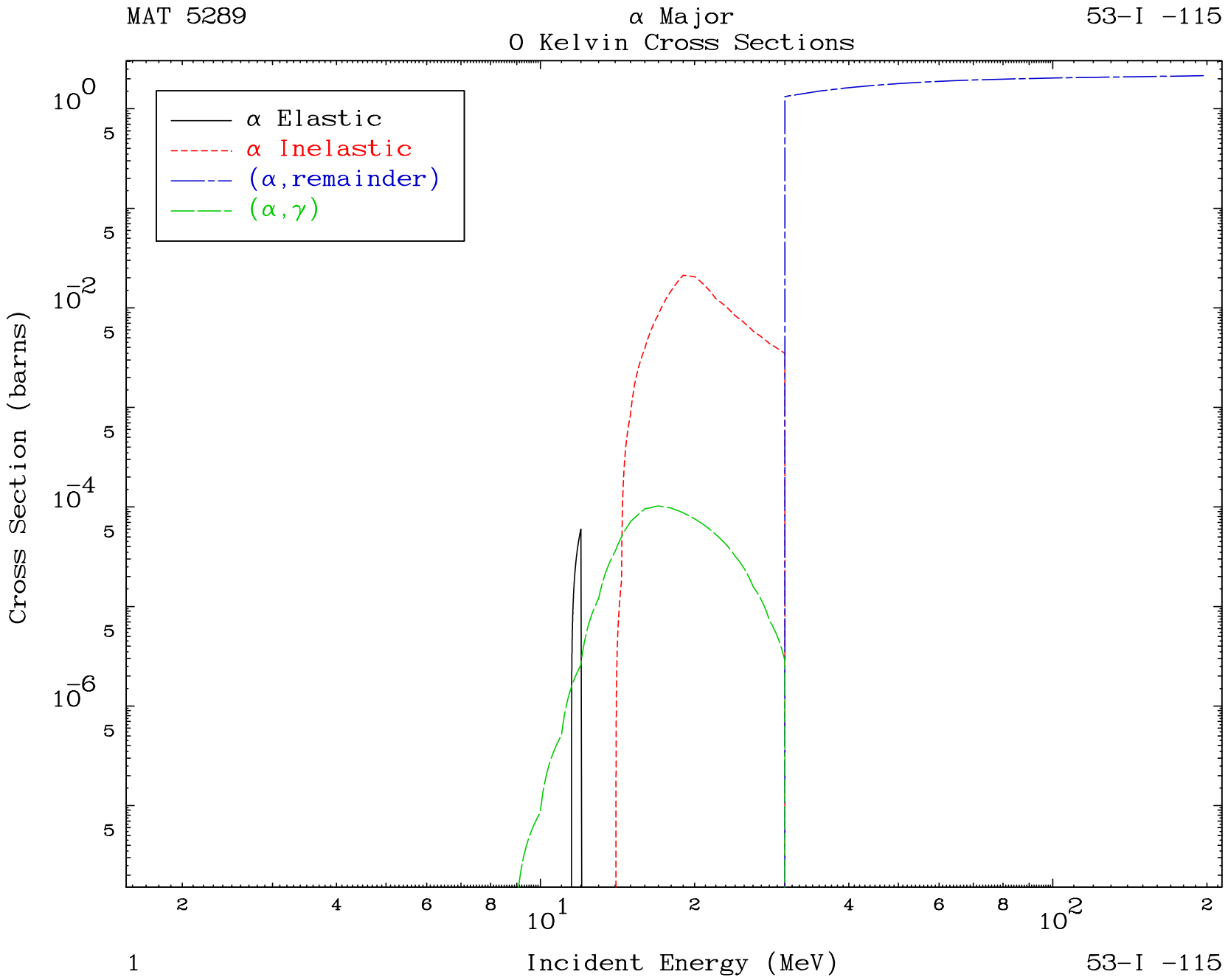
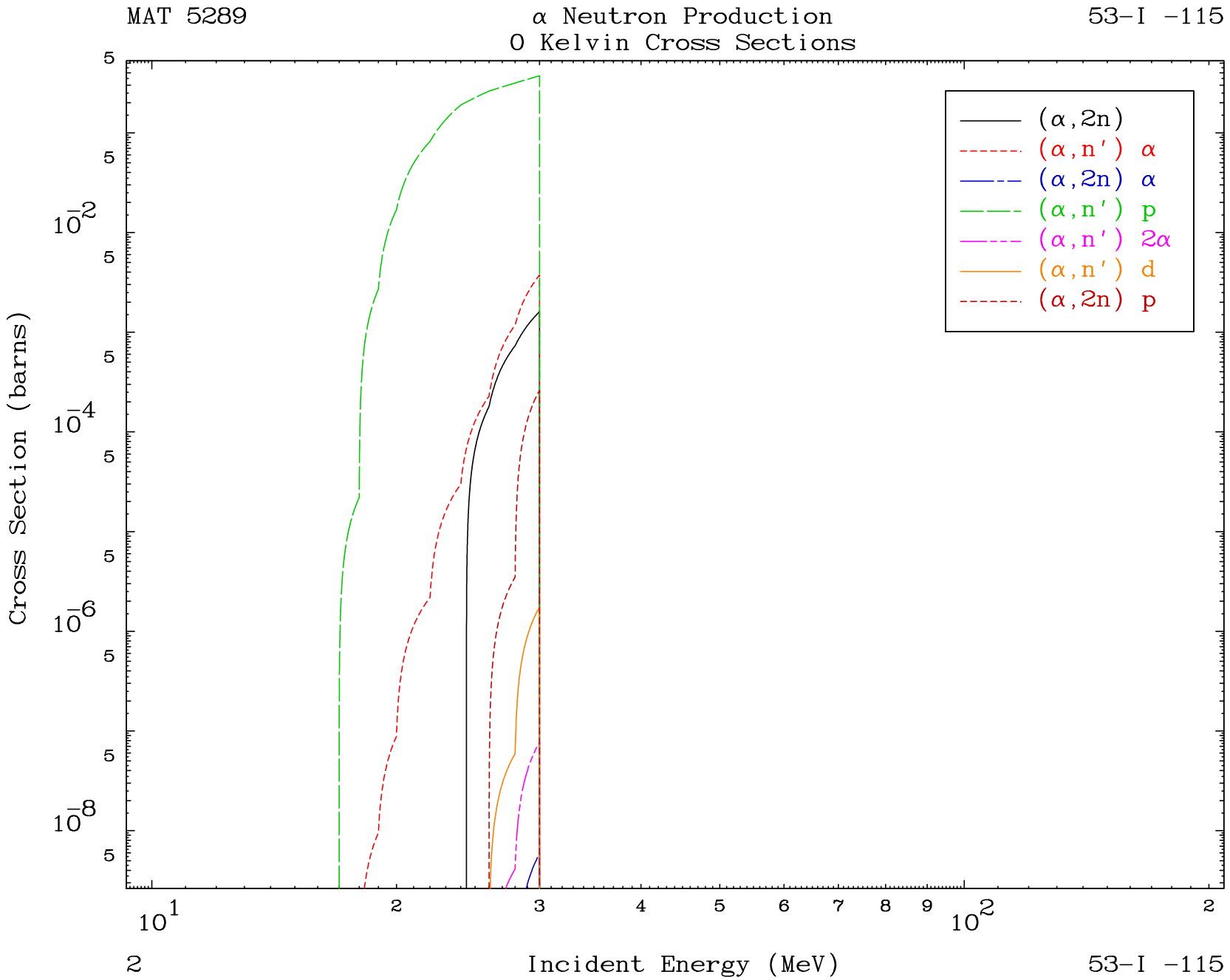
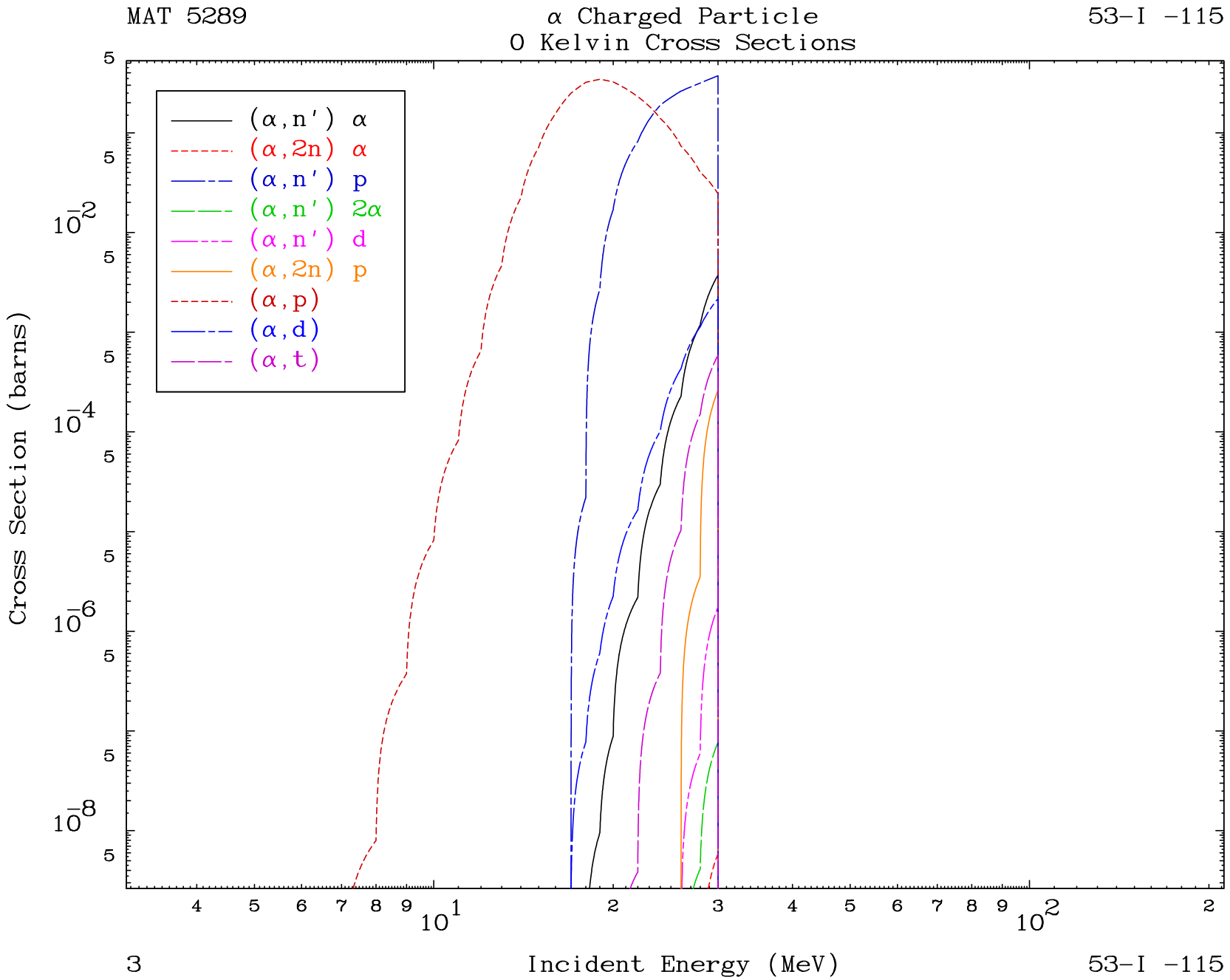
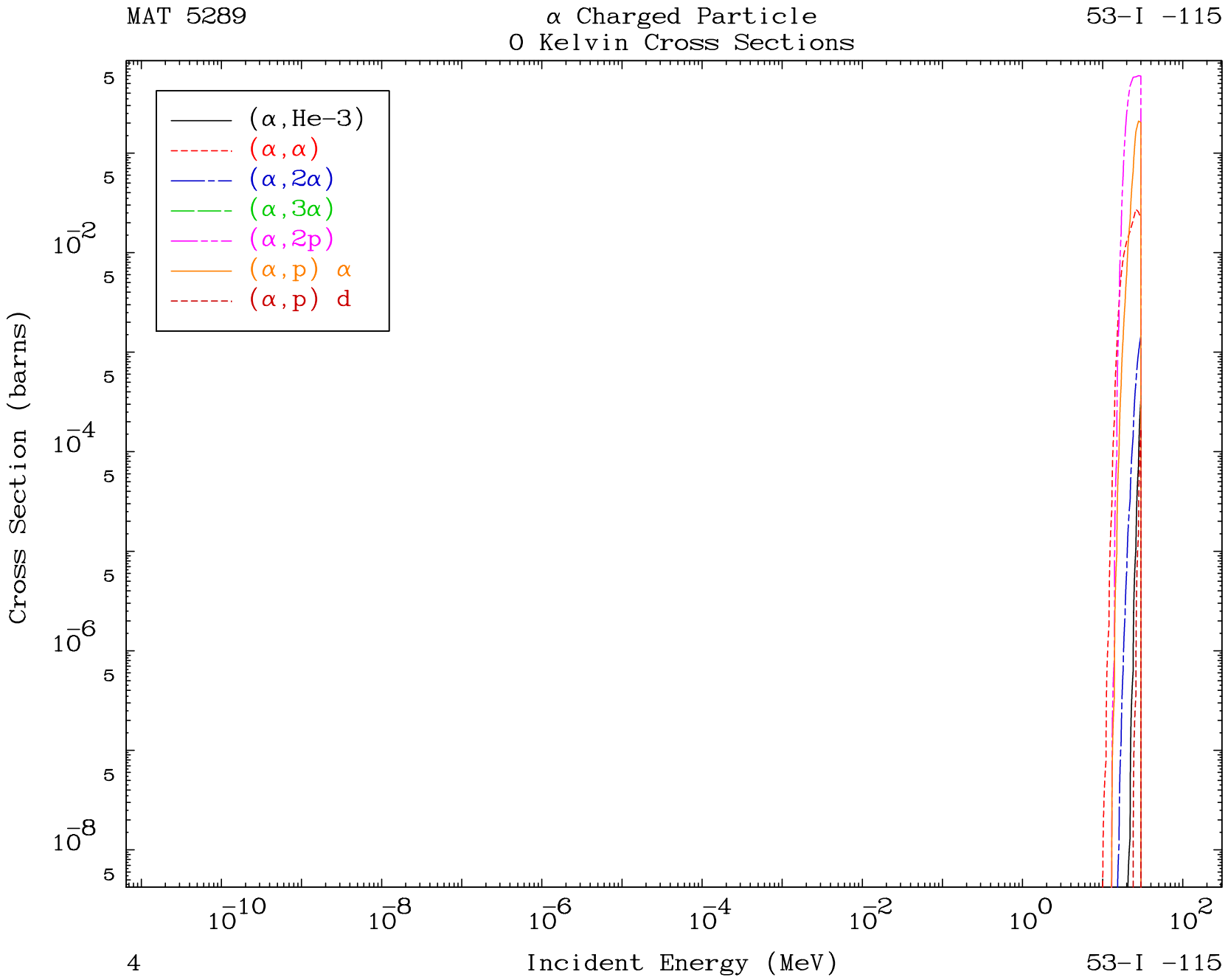
Press Mouse Button to Start

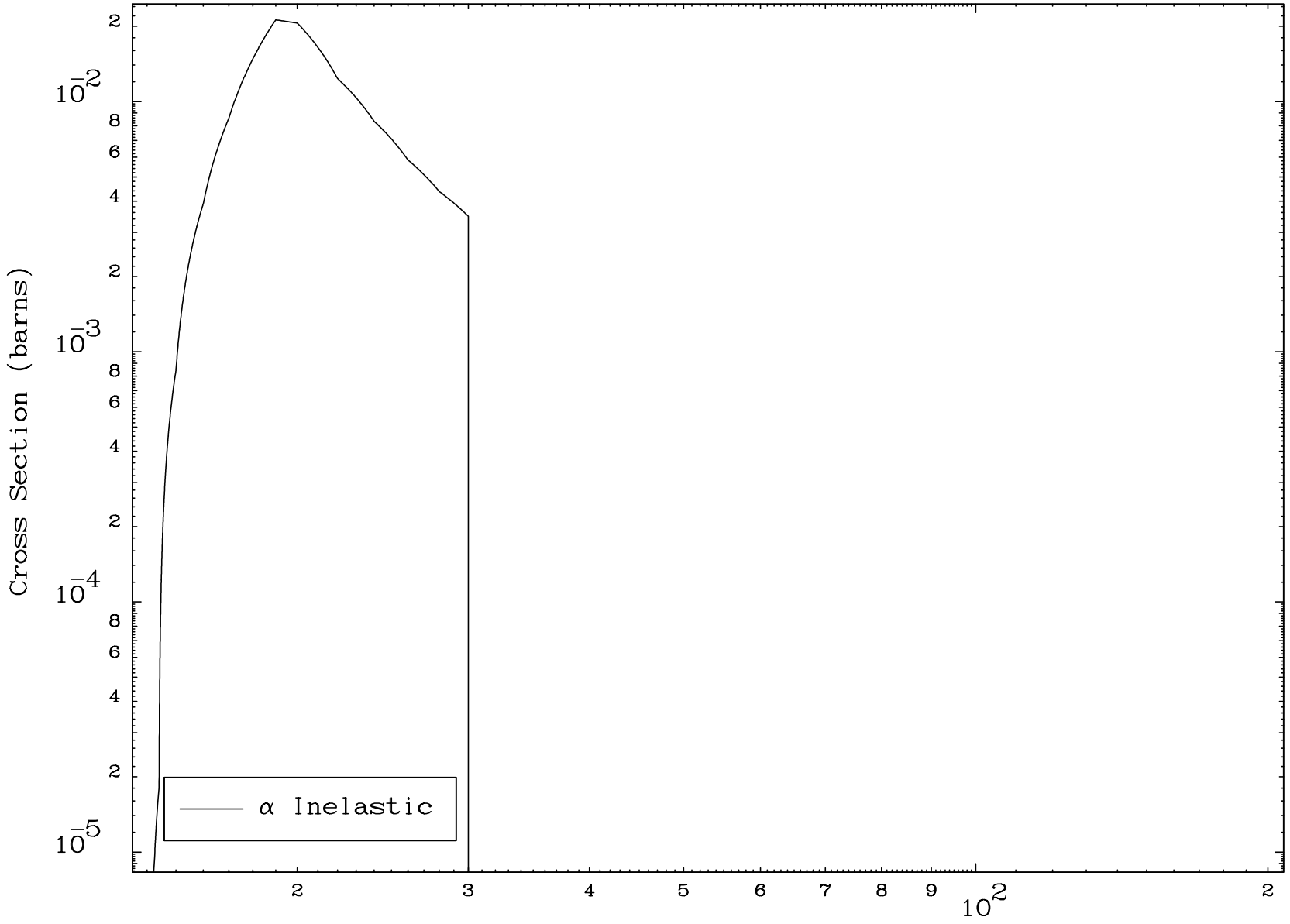

MAT 5289
α Major
53-I -115
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
53-I -115

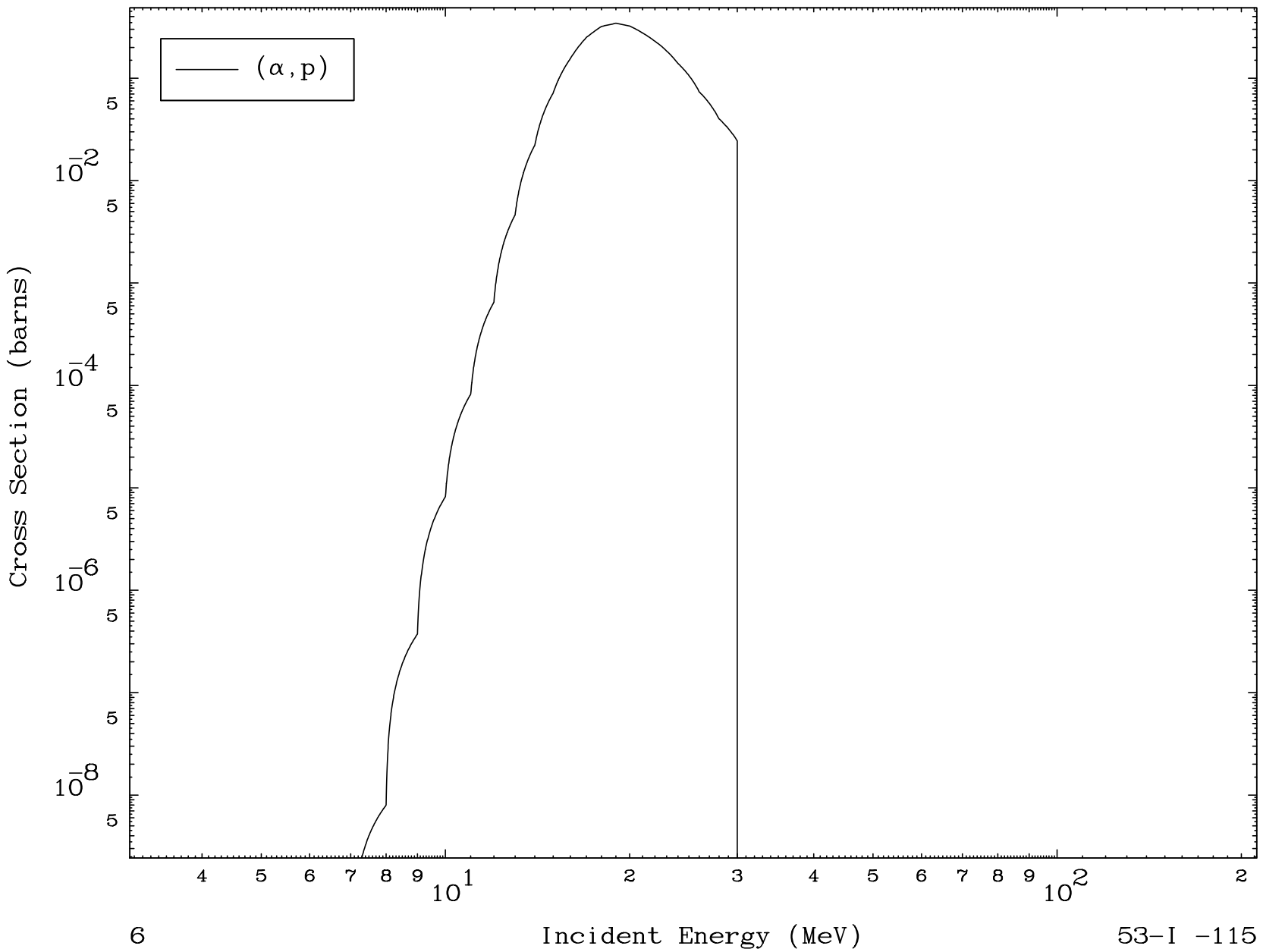

MAT 5289
α Neutron Production
0 Kelvin Cross Sections
53-I -115
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
53-I -115


MAT 5289
α Charged Particle
0 Kelvin Cross Sections
53-I -115
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
(α,p)
(α,d)
(α,t)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -115

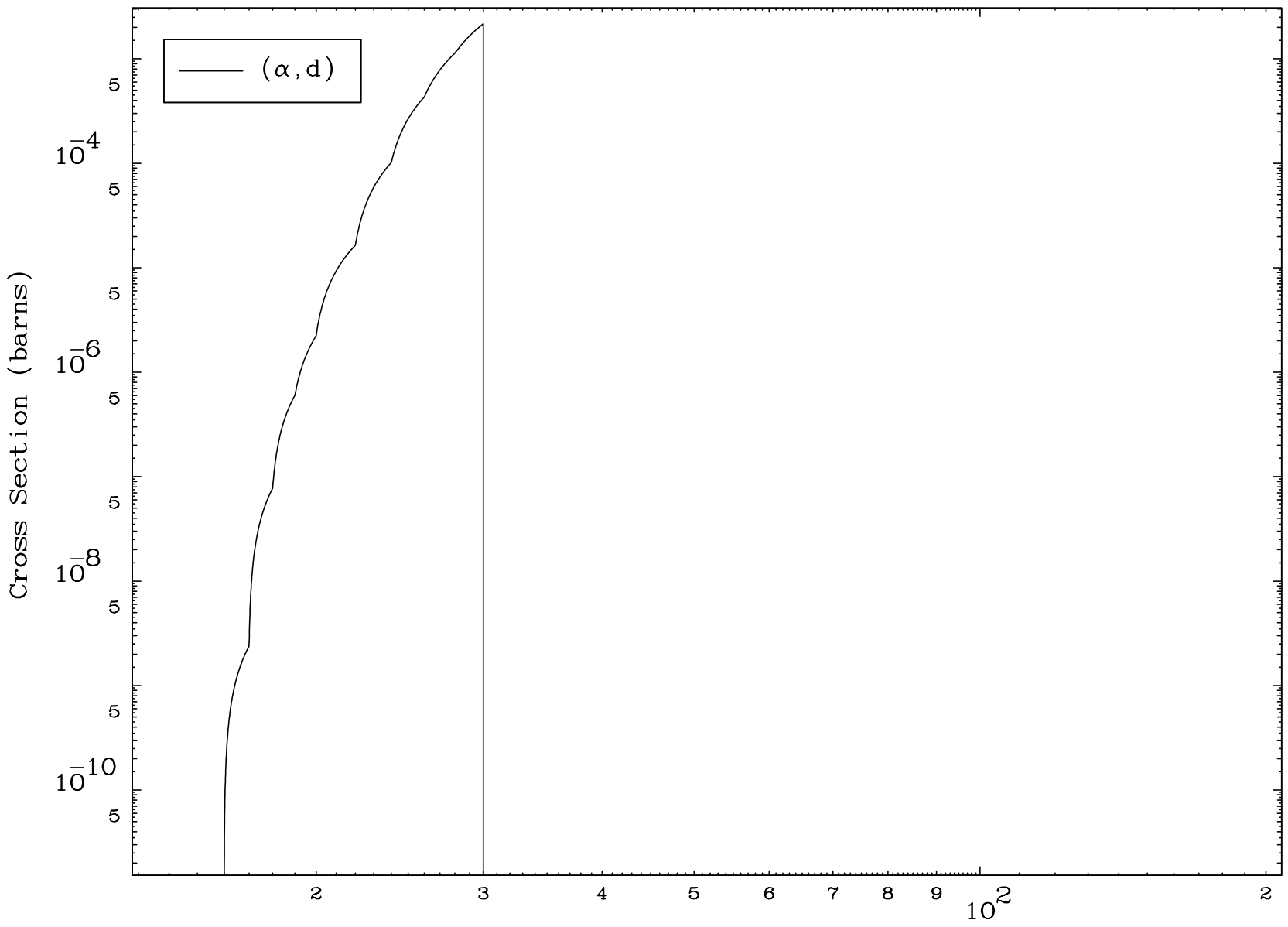

MAT 5289
α Charged Particle
0 Kelvin Cross Sections
53-I -115
(α,He-3)
(α,α)
(α,2α)
(α,3α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
53-I -115

0 Kelvin Cross Sections

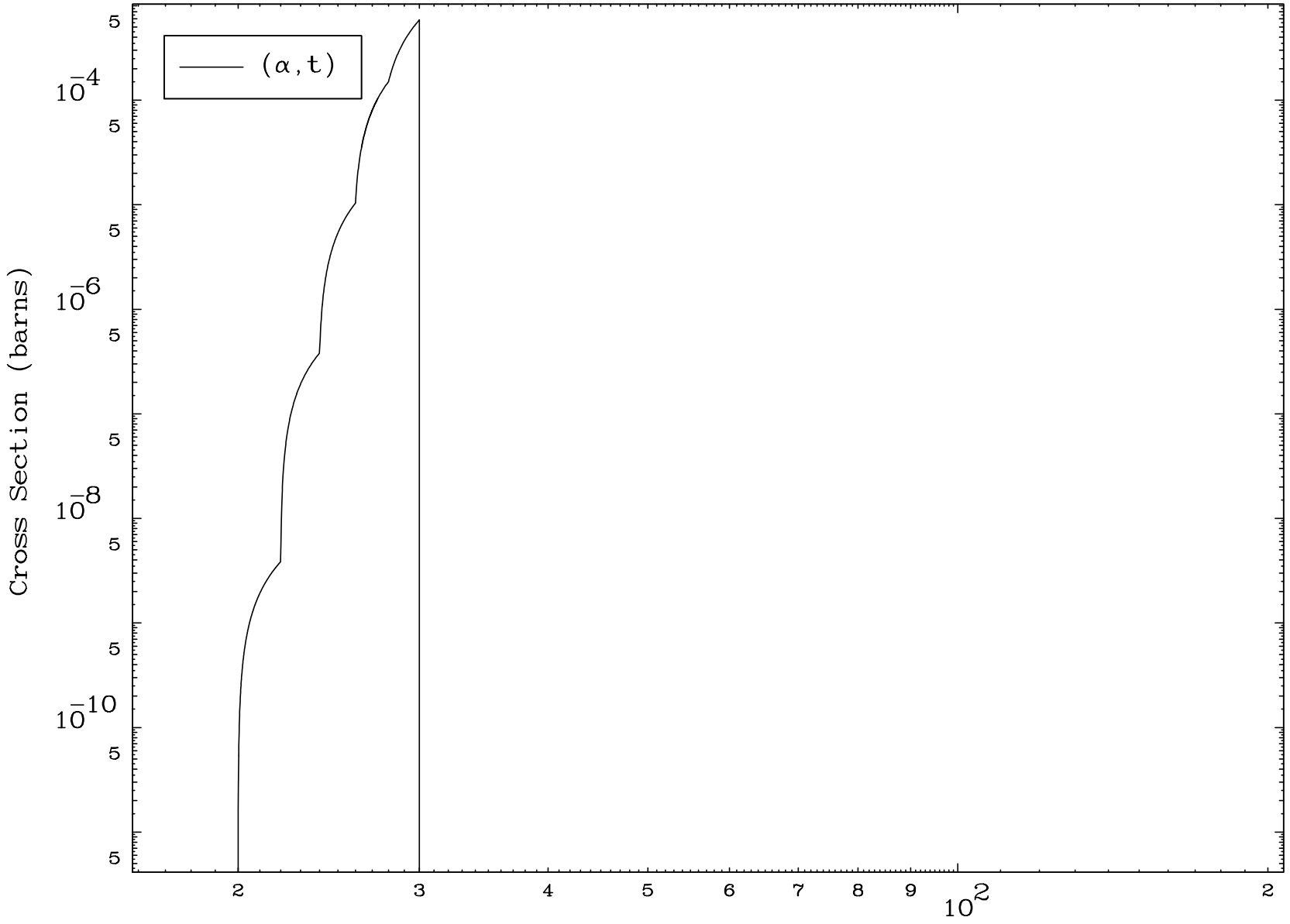



0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

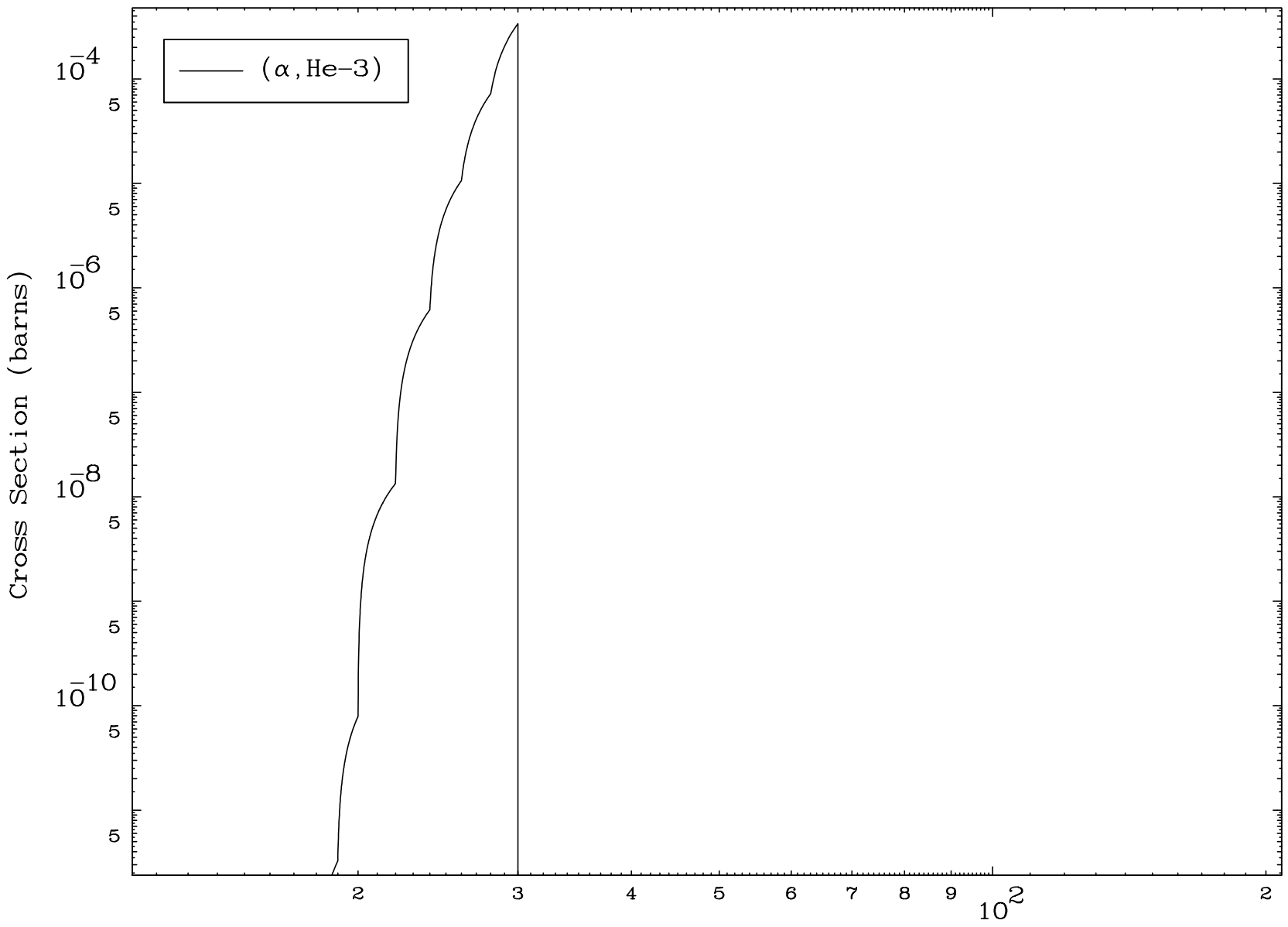
0 Kelvin Cross Sections



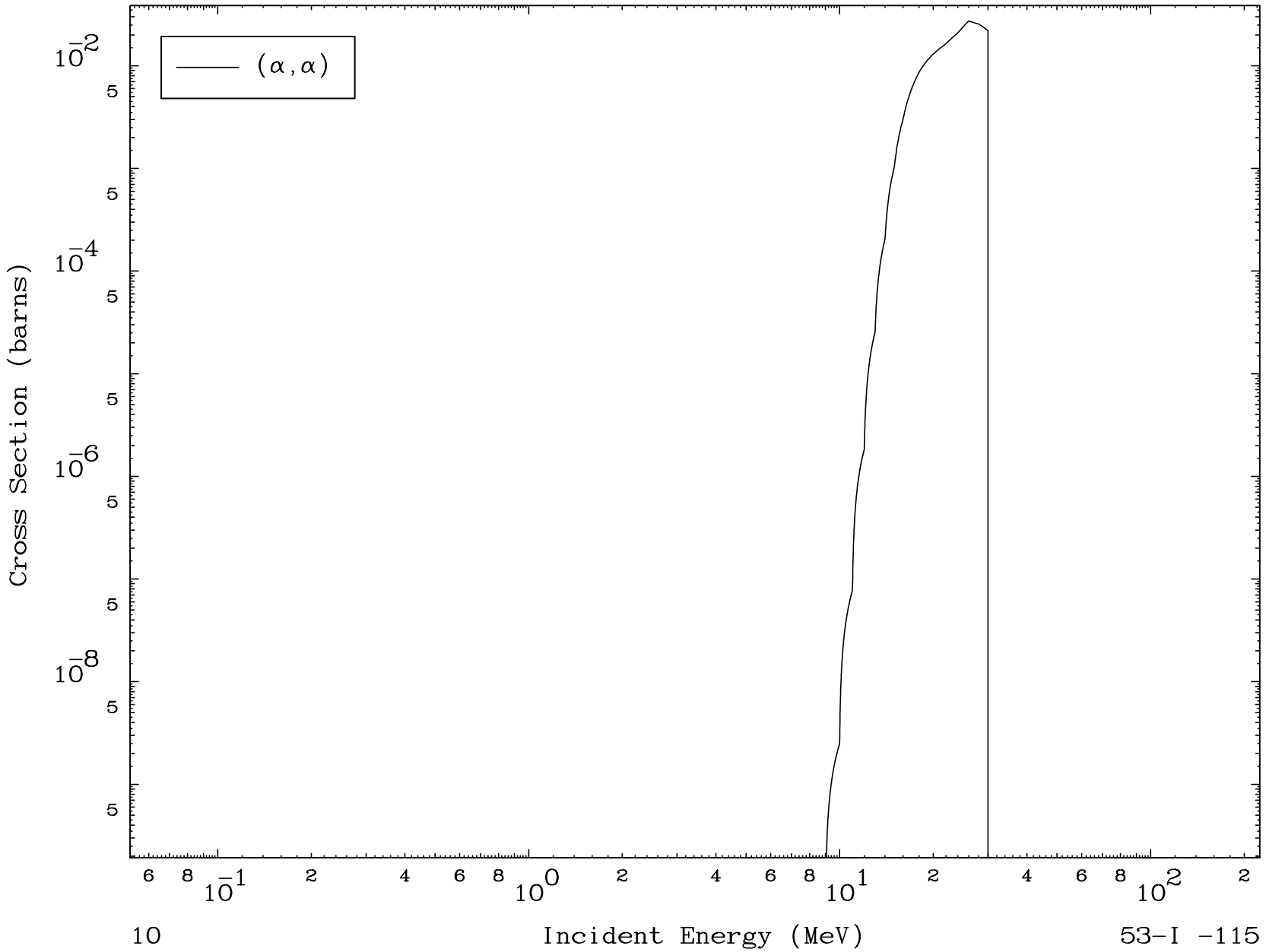
0 Kelvin Cross Sections

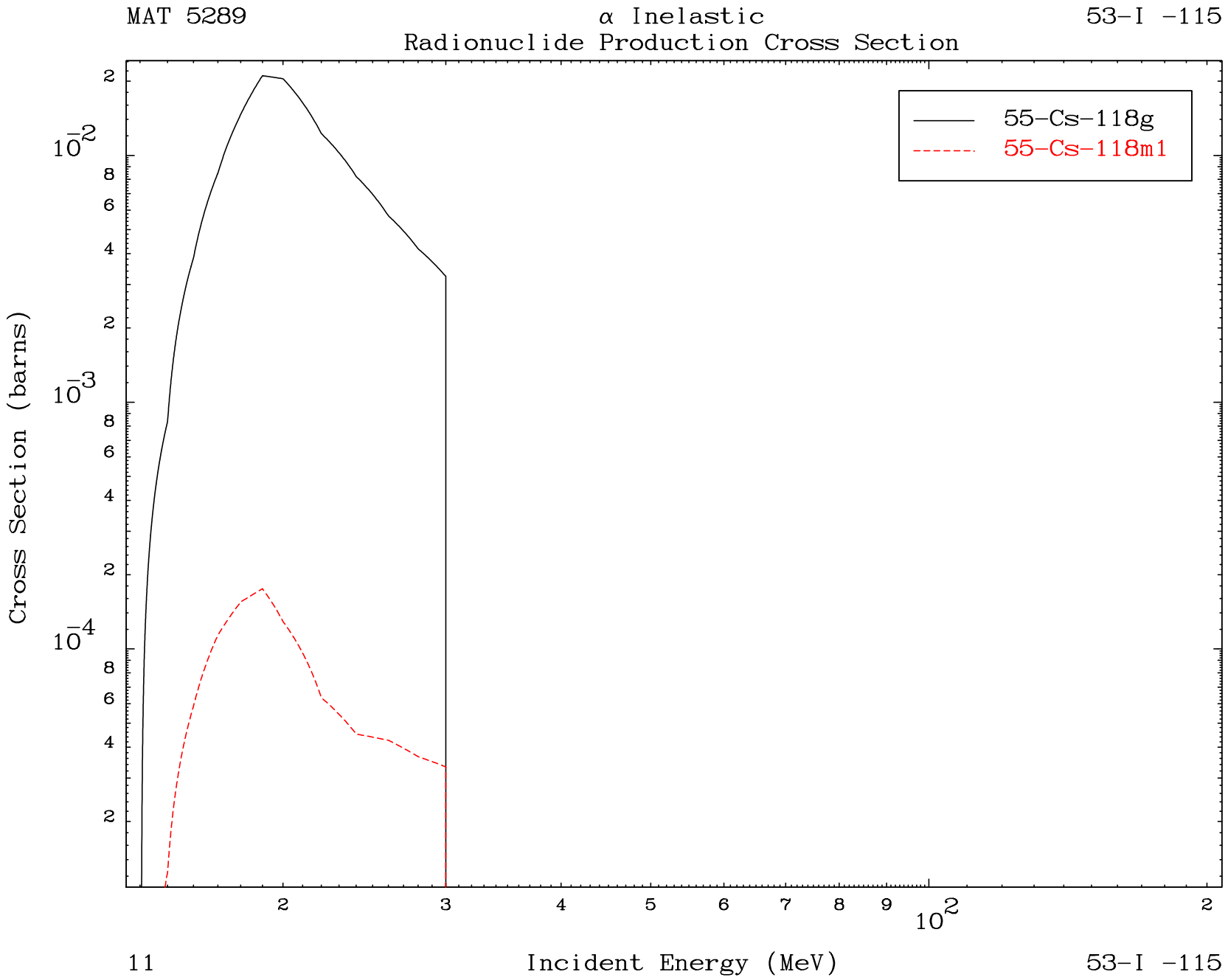


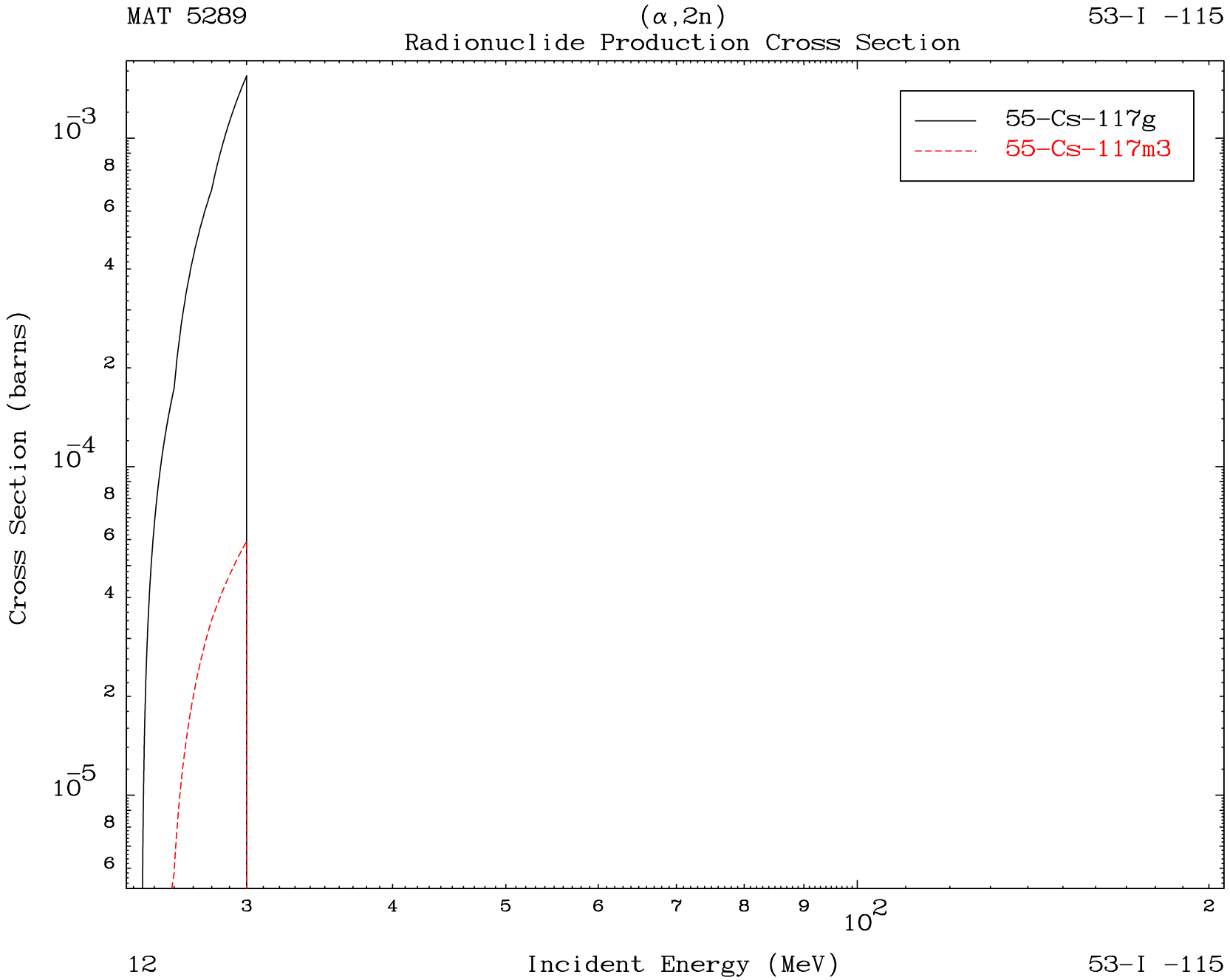
0 Kelvin Cross Sections

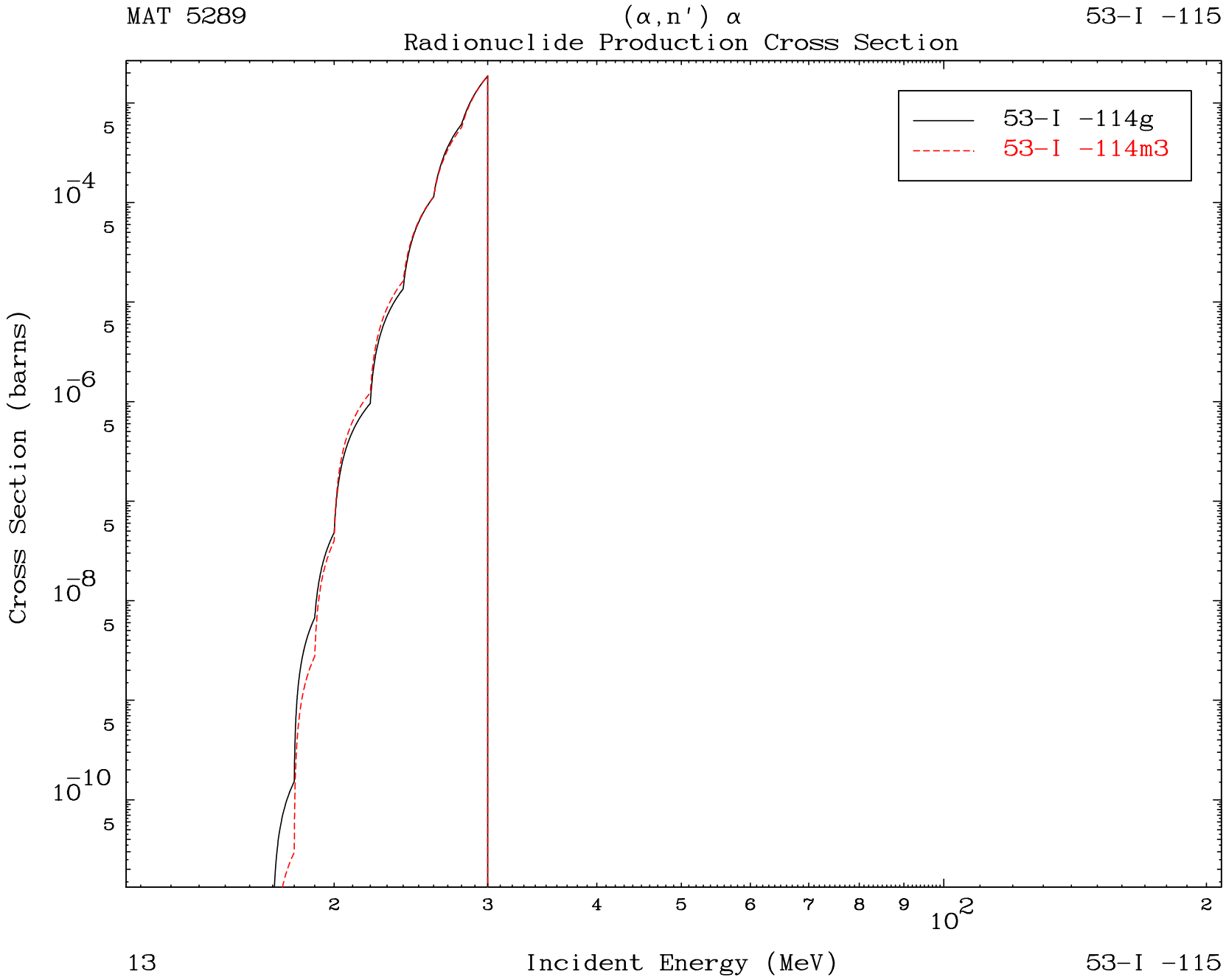


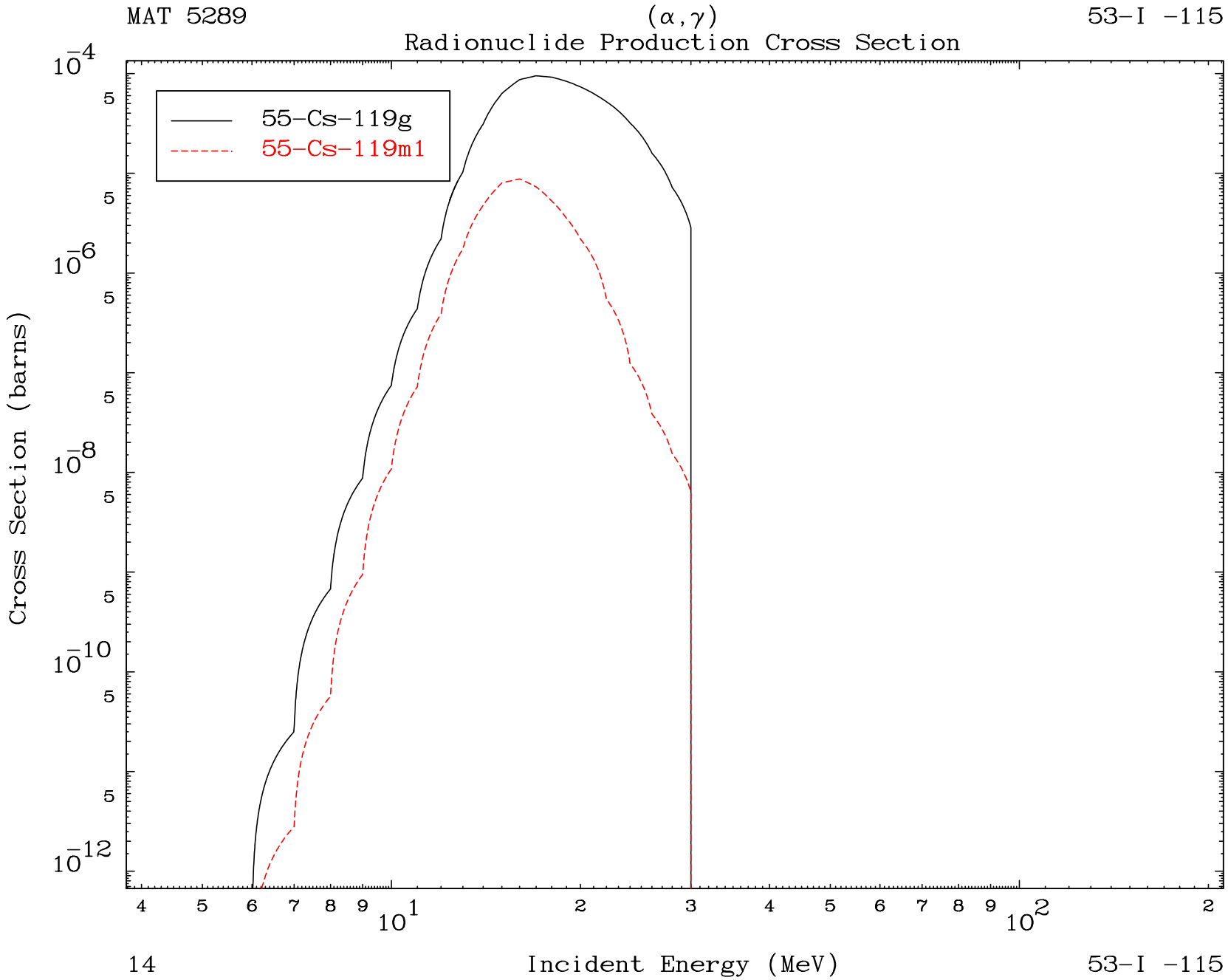
0 Kelvin Cross Sections

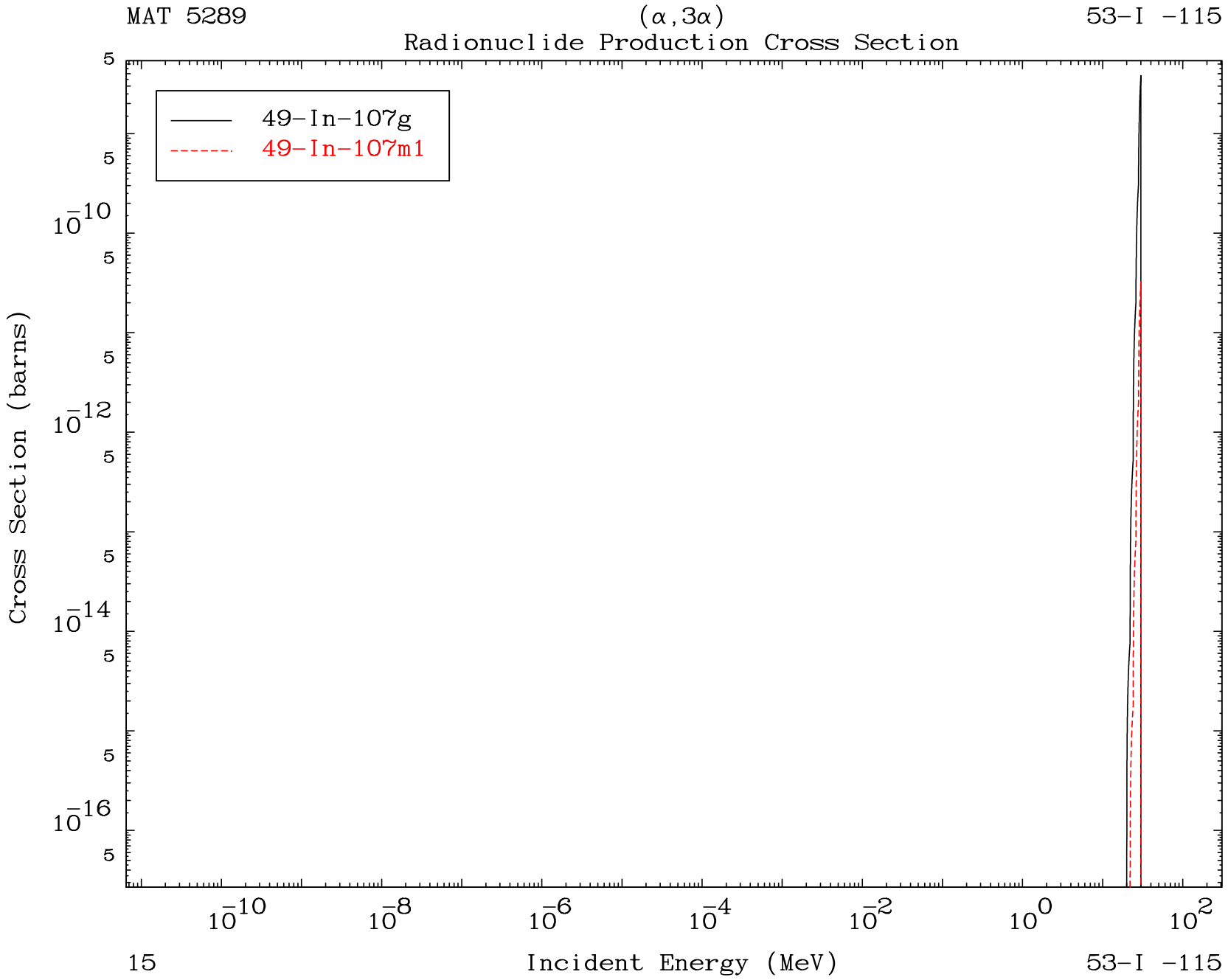



MAT 5289
α Inelastic
53-I -115
Radionuclide Production Cross Section
55-Cs-118g
55-Cs-118m1
Cross Section (barns)
Incident Energy (MeV)
11
53-I -115


MAT 5289
(α,2n)
53-I -115
Radionuclide Production Cross Section
55-Cs-117g
55-Cs-117m3
Cross Section (barns)
10-3
10-4
10-5
8
6
4
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -115


MAT 5289
(α,n') α
53-I -115
Radionuclide Production Cross Section
53-I -114g
53-I -114m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
53-I -115


MAT 5289
(α,γ)
53-I -115
Radionuclide Production Cross Section
55-Cs-119g
55-Cs-119m1
Cross Section (barns)
Incident Energy (MeV)
14
53-I -115


MAT 5289
(α,3α)
53-I -115
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
15
53-I -115