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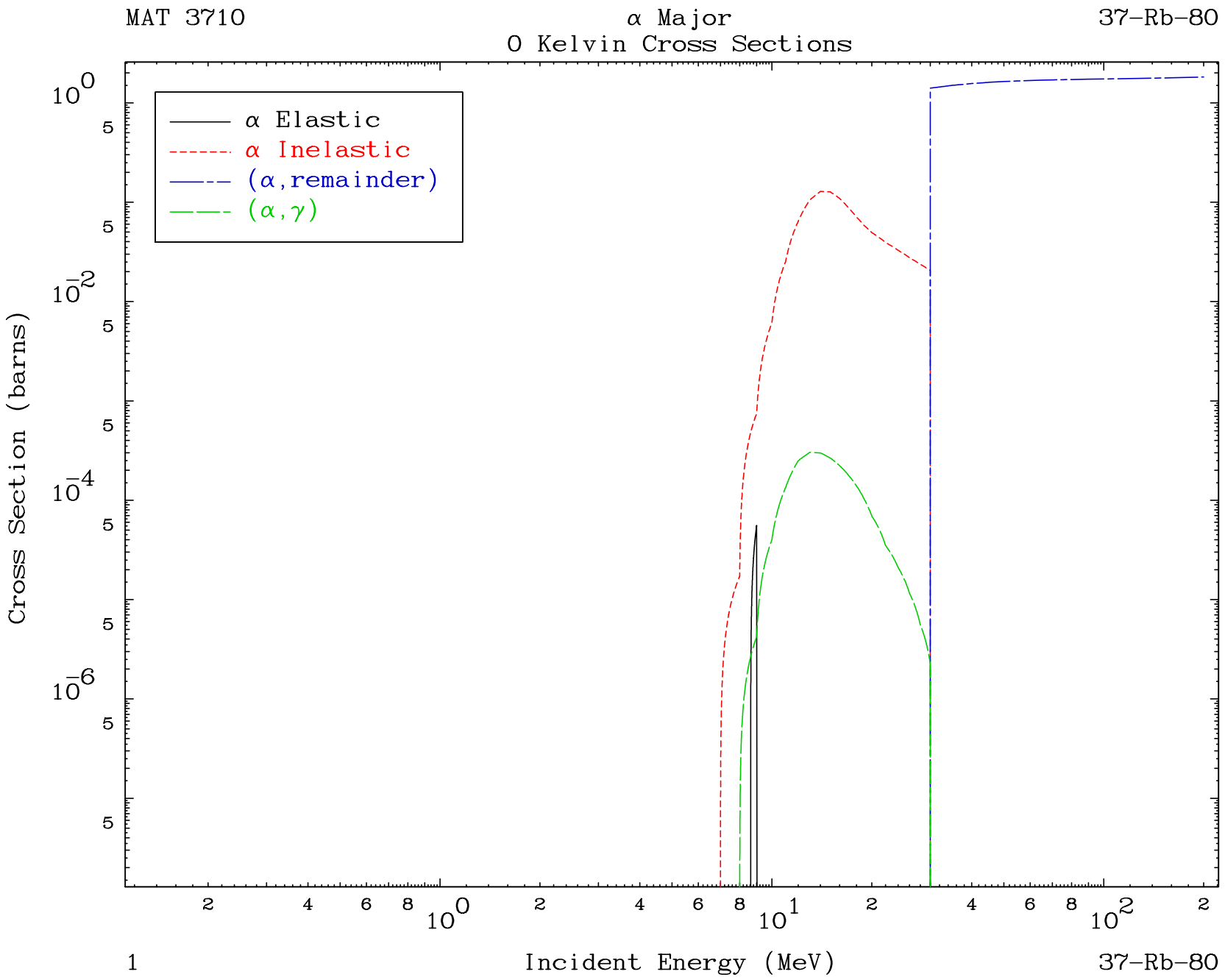
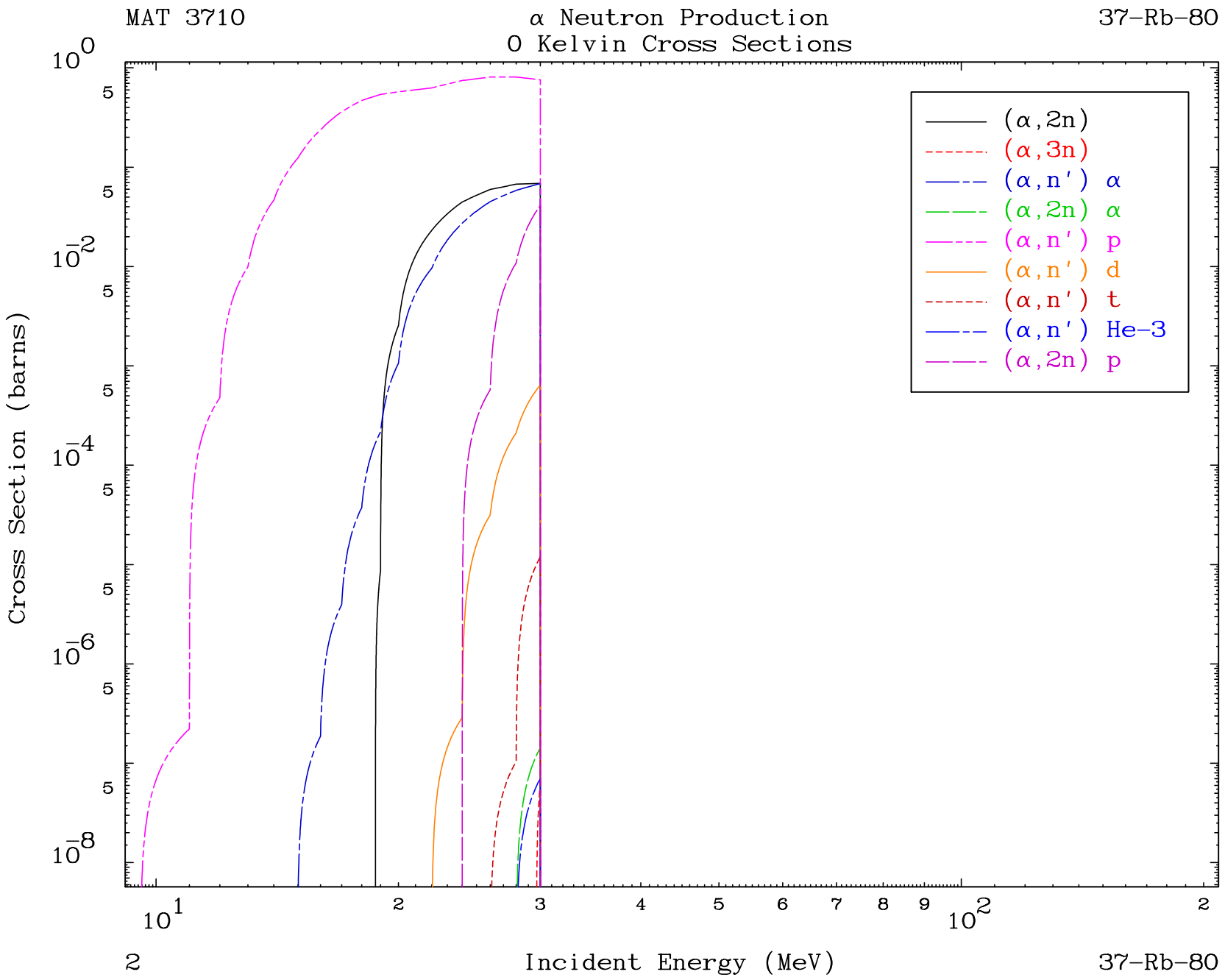
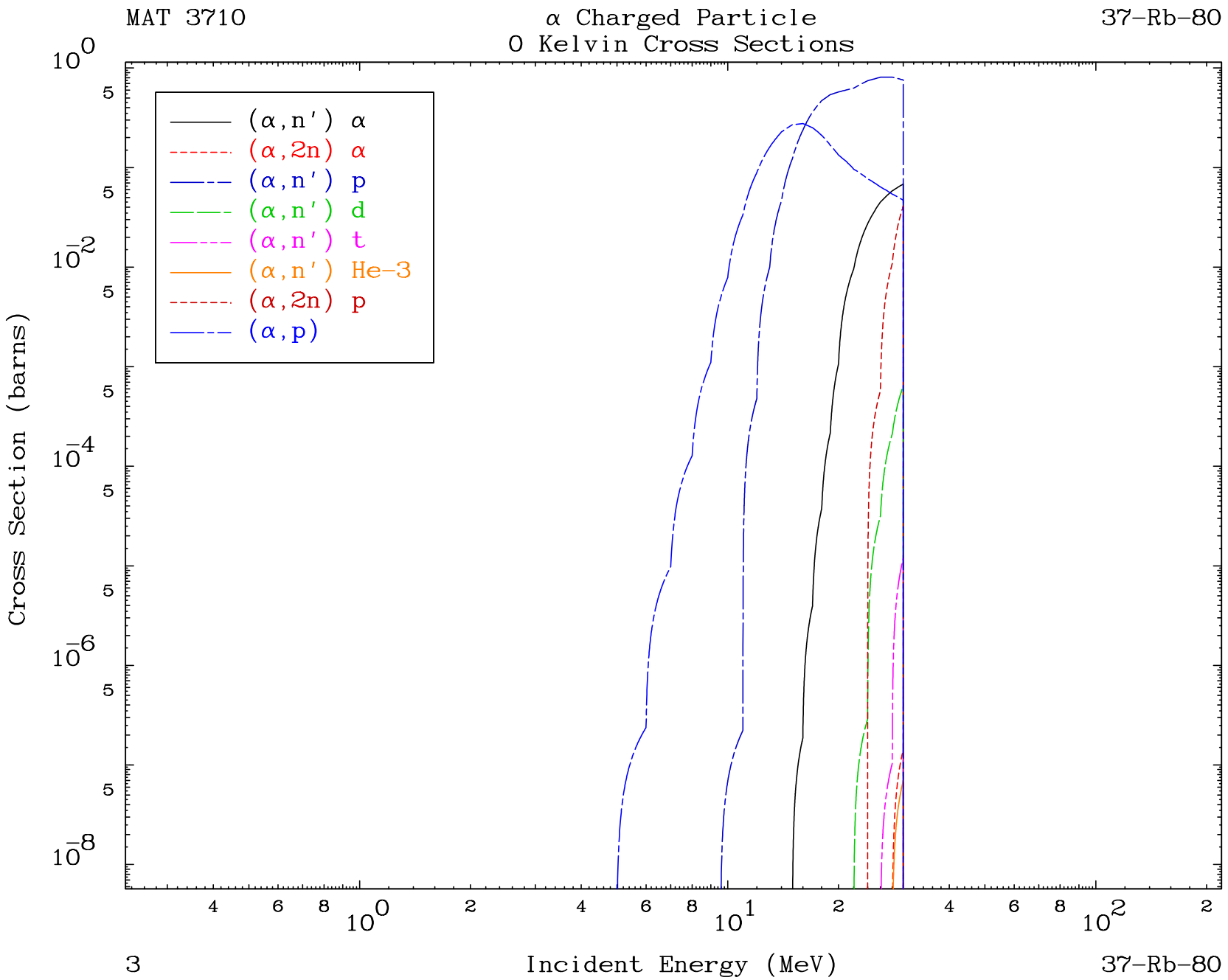
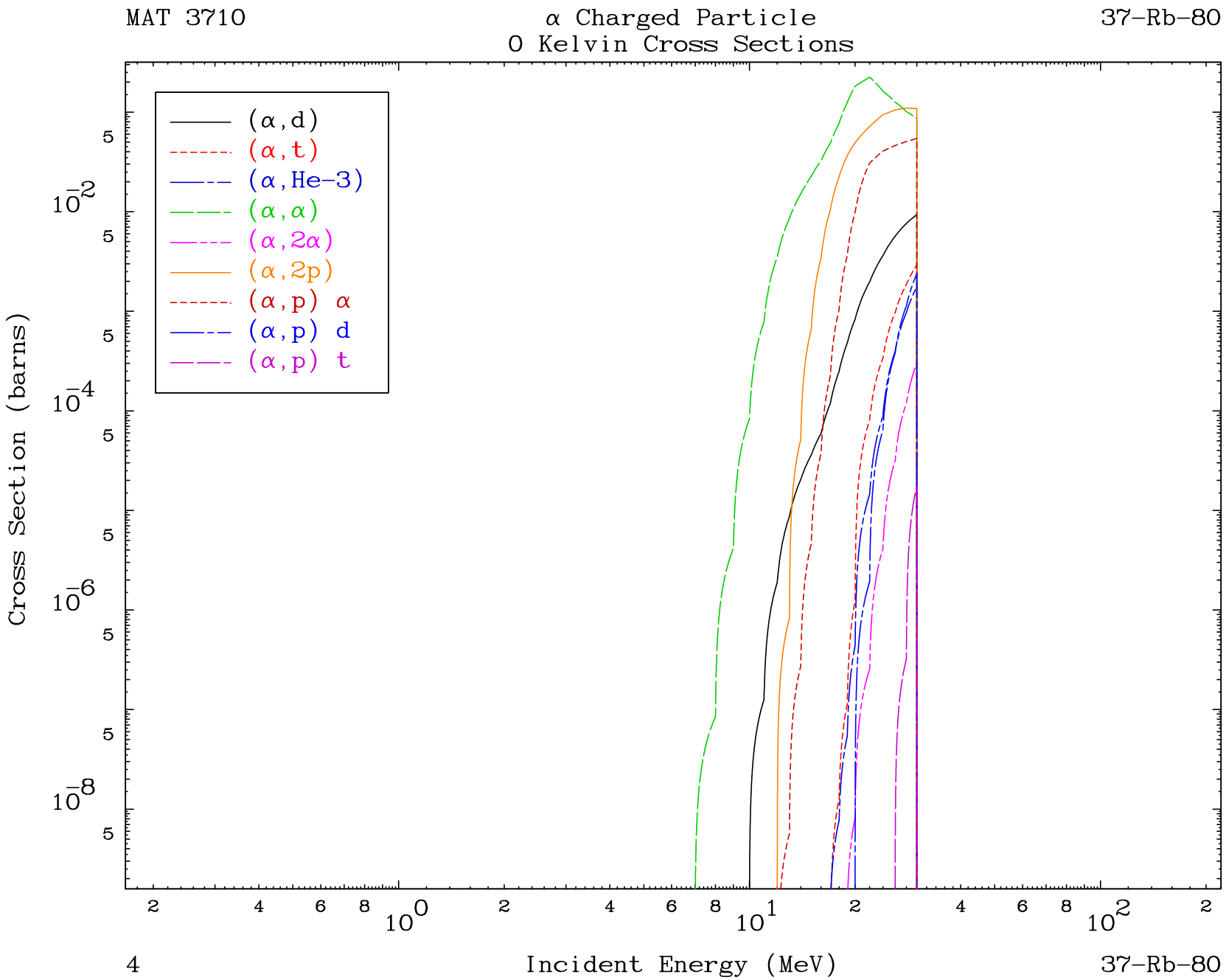
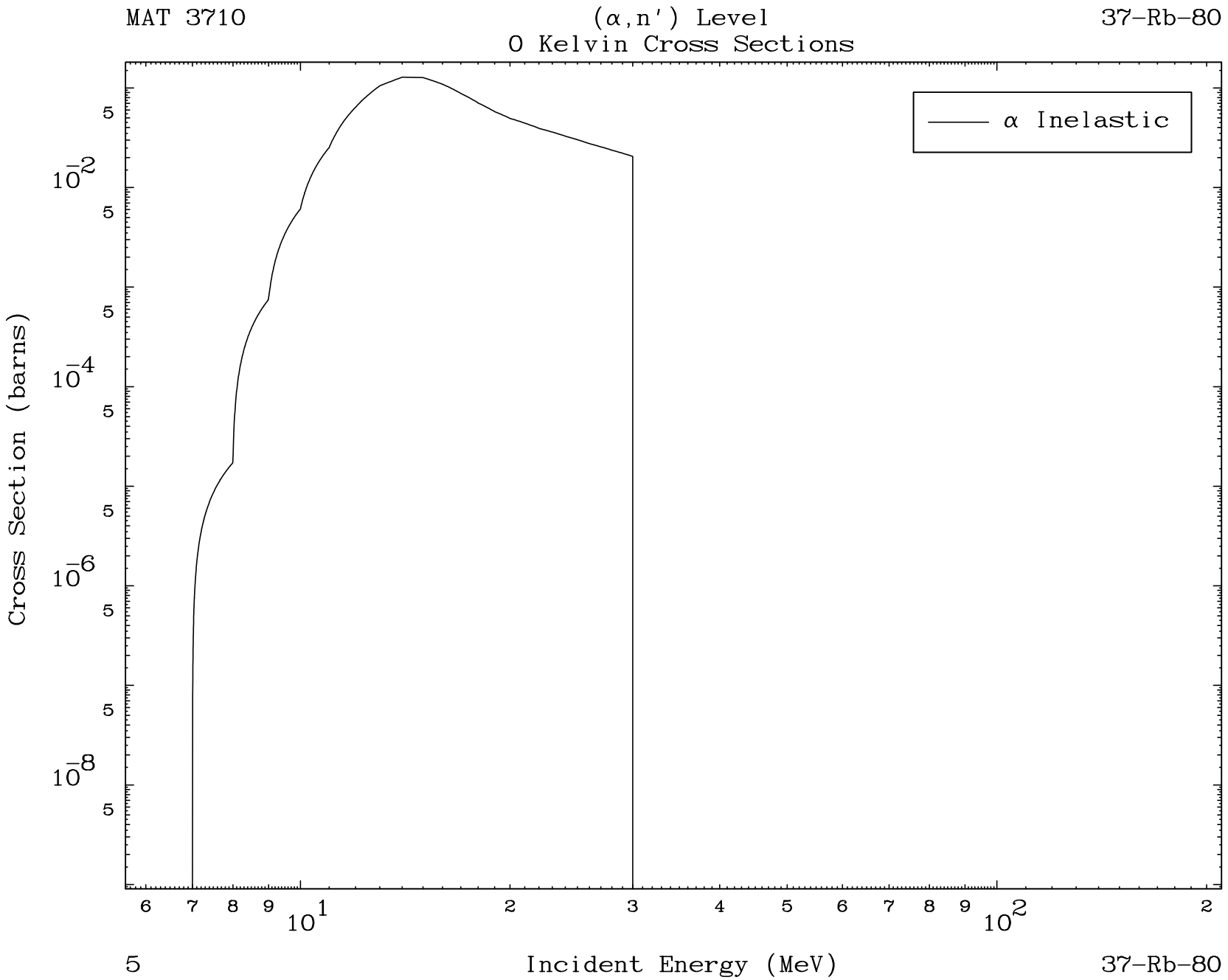
Press Mouse Button to Start

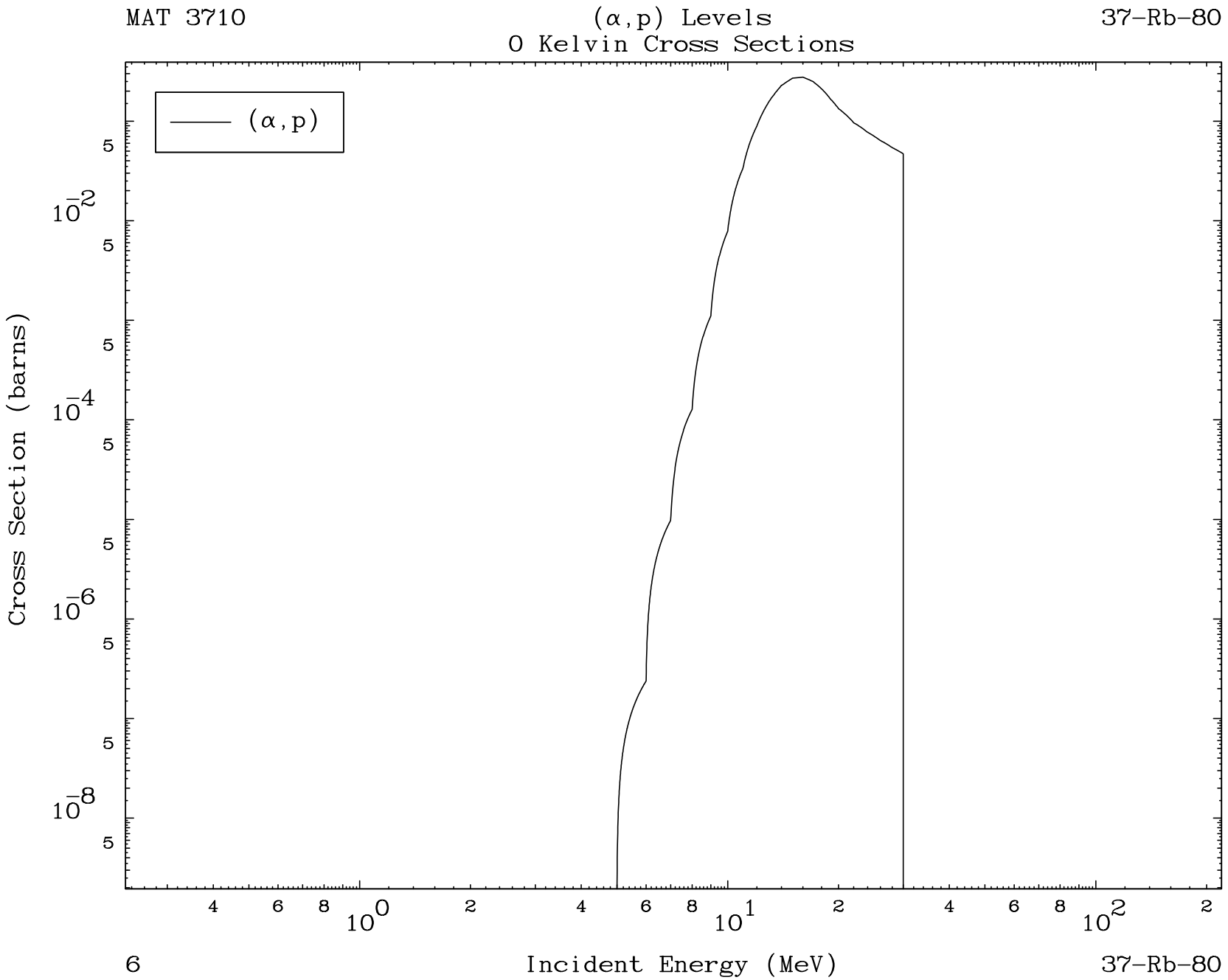

MAT 3710
α Major
37-Rb-80
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-80
1

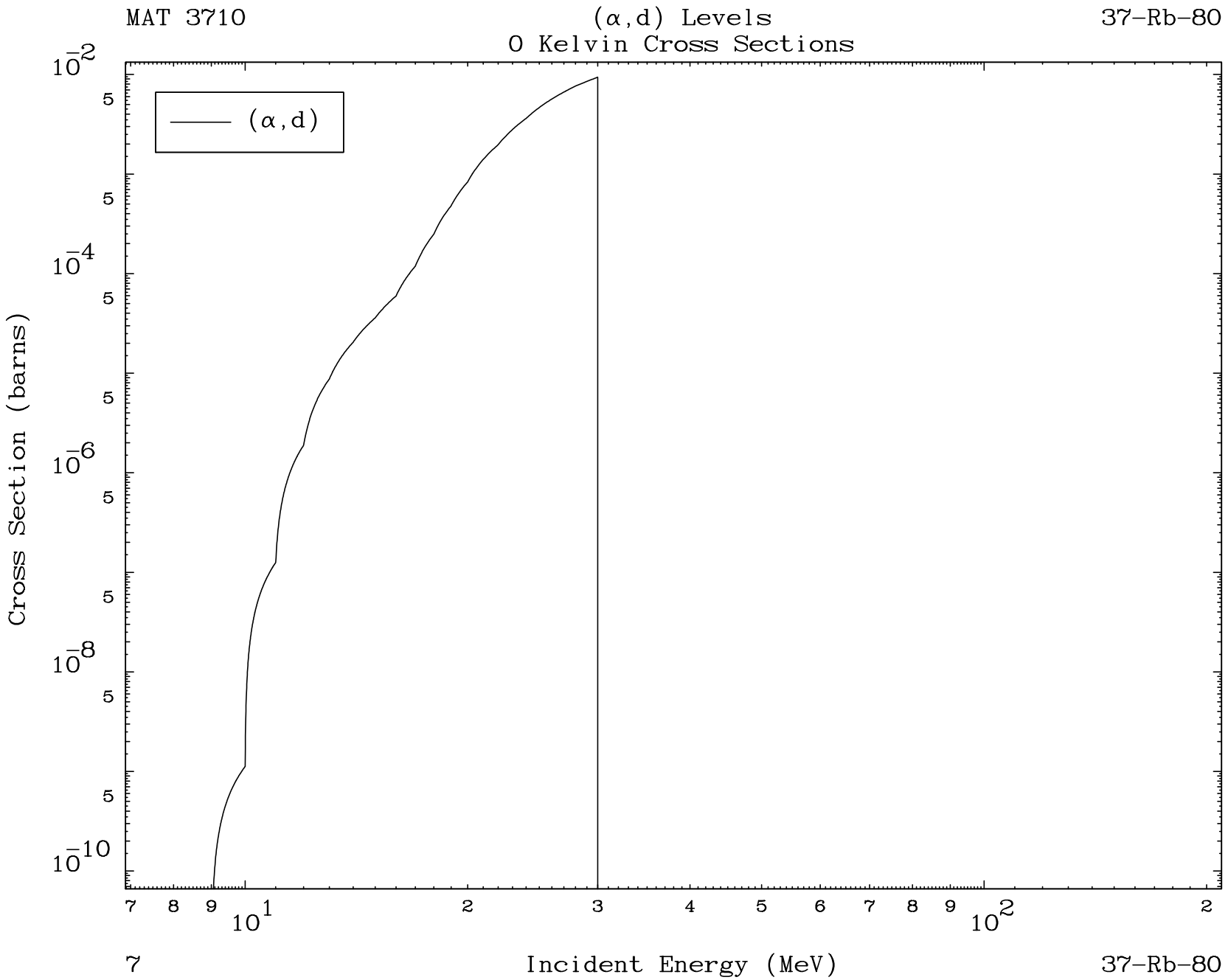

MAT 3710
α Neutron Production
0 Kelvin Cross Sections
37-Rb-80
Cross Section (barns)
Incident Energy (MeV)
37-Rb-80
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

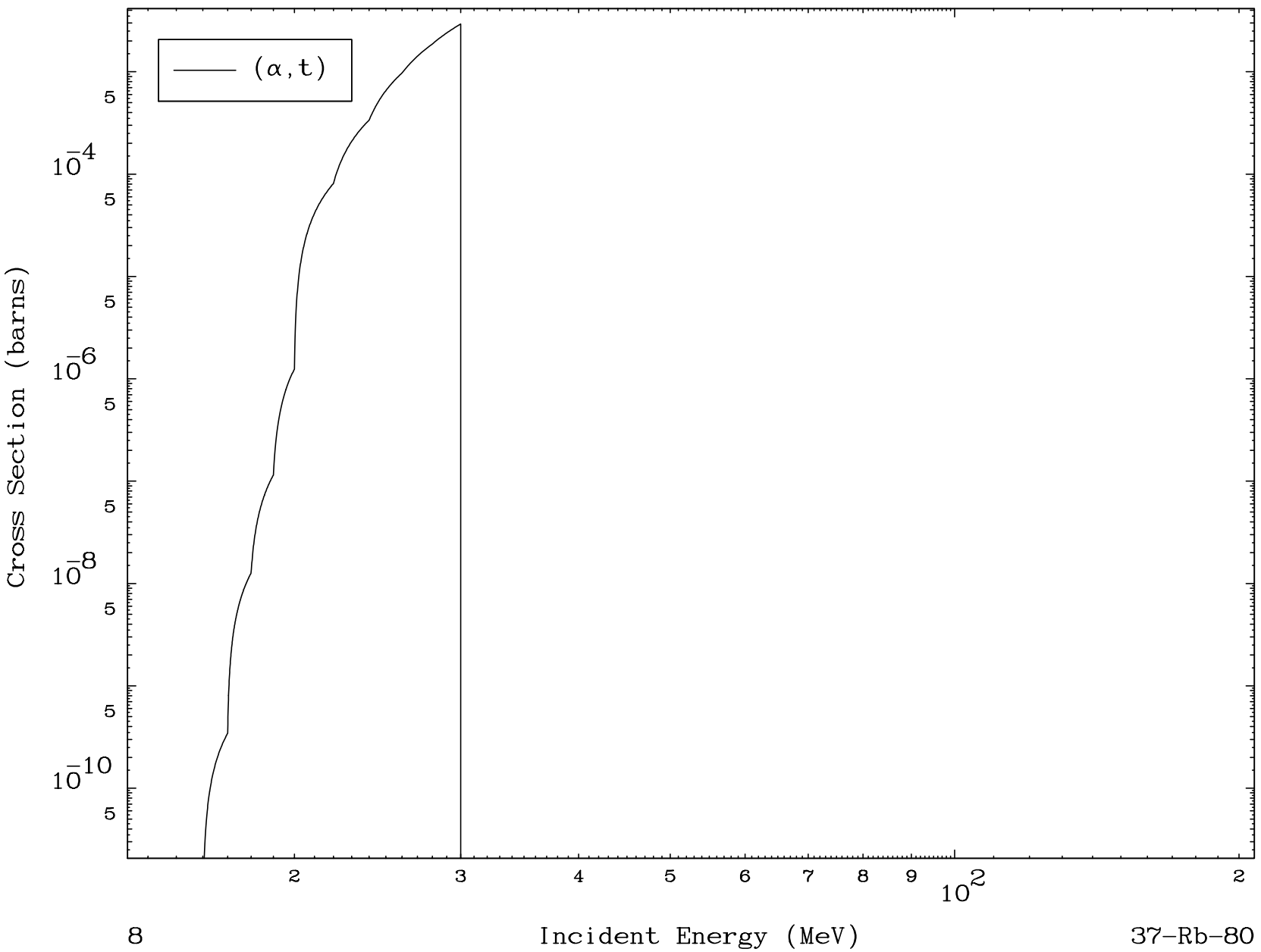

MAT 3710
α Charged Particle
0 Kelvin Cross Sections
37-Rb-80
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
37-Rb-80

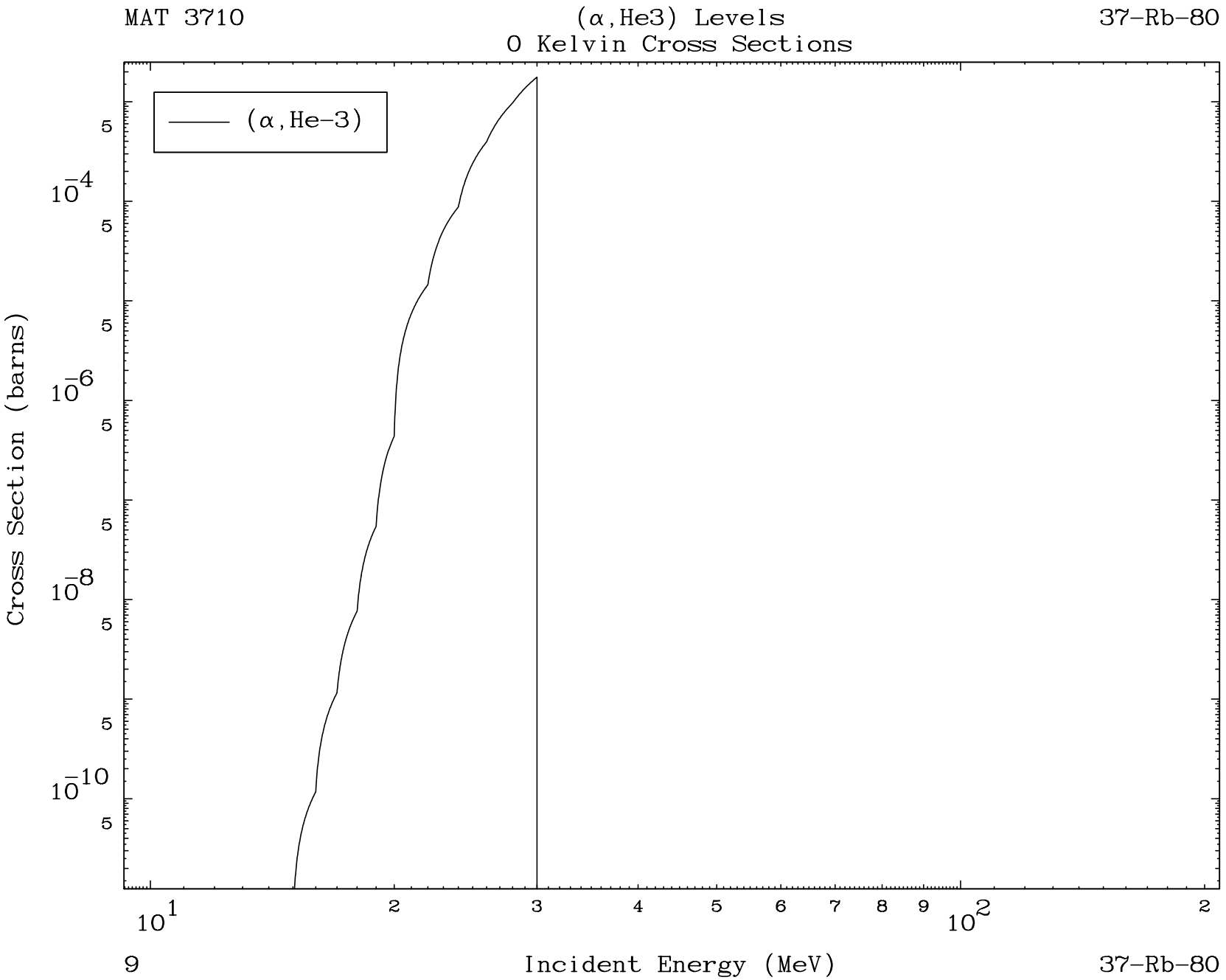

MAT 3710
α Charged Particle
0 Kelvin Cross Sections
37-Rb-80
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
37-Rb-80

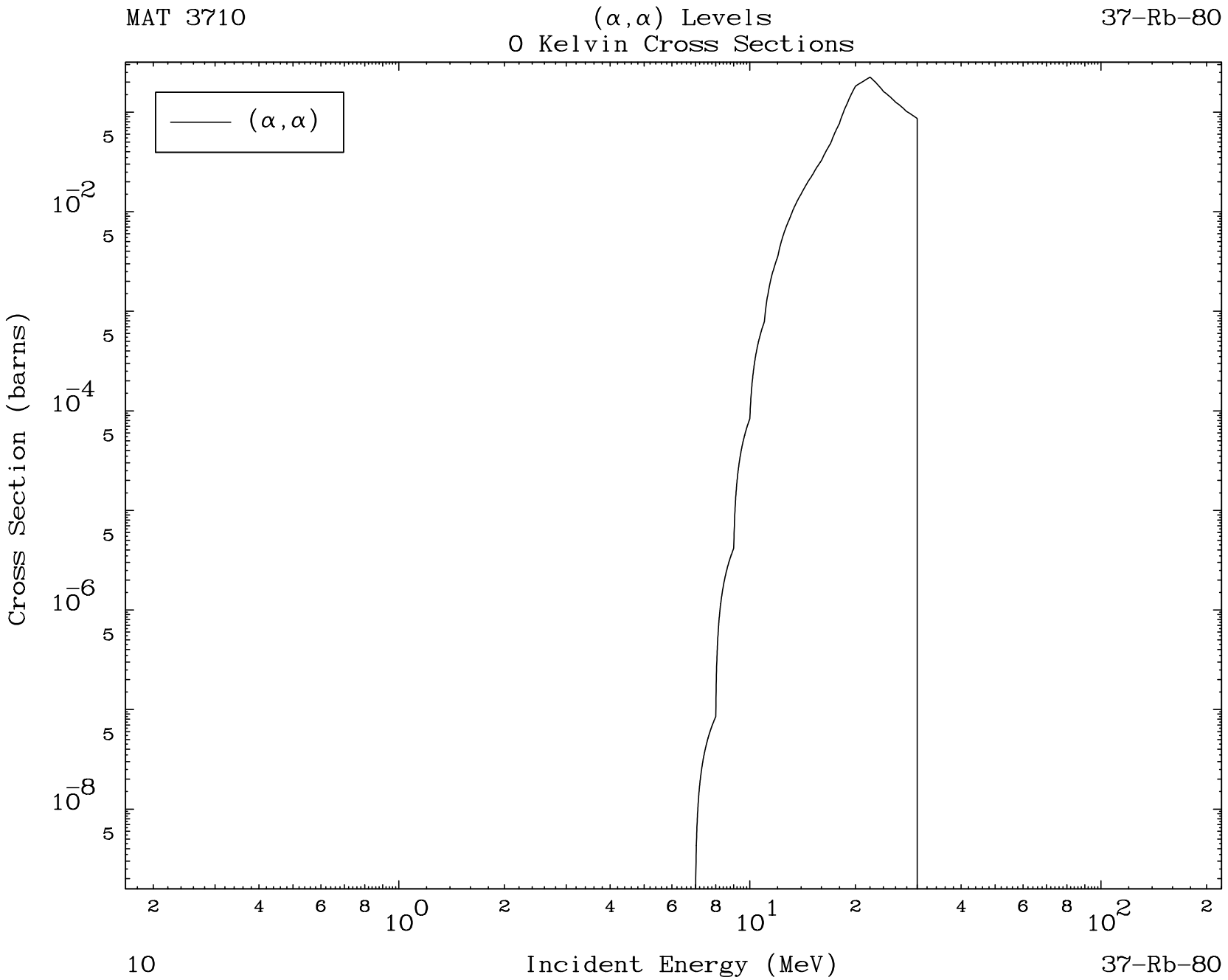

MAT 3710
(α,n') Level
37-Rb-80
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
37-Rb-80

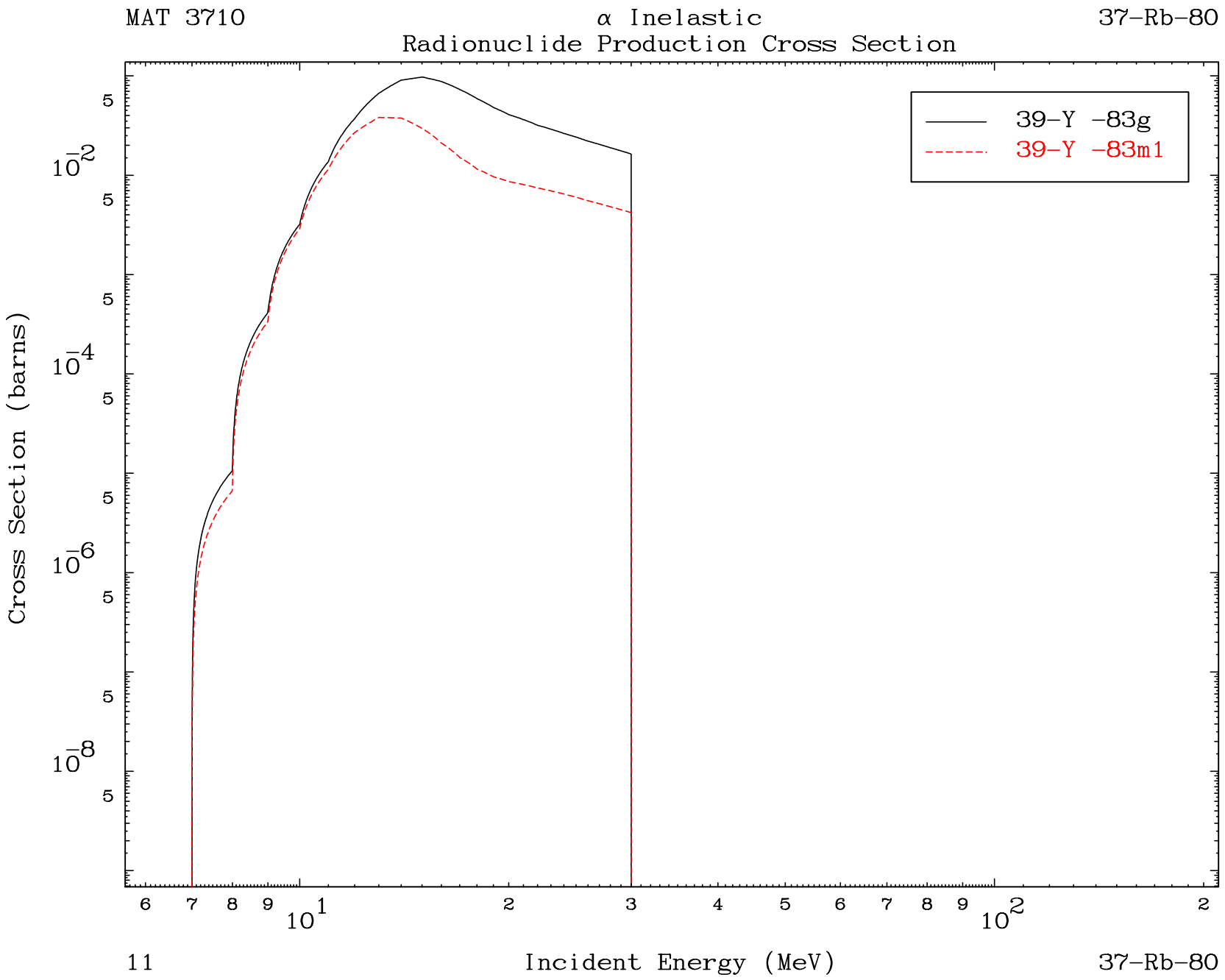

MAT 3710
(α,p) Levels
37-Rb-80
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
37-Rb-80

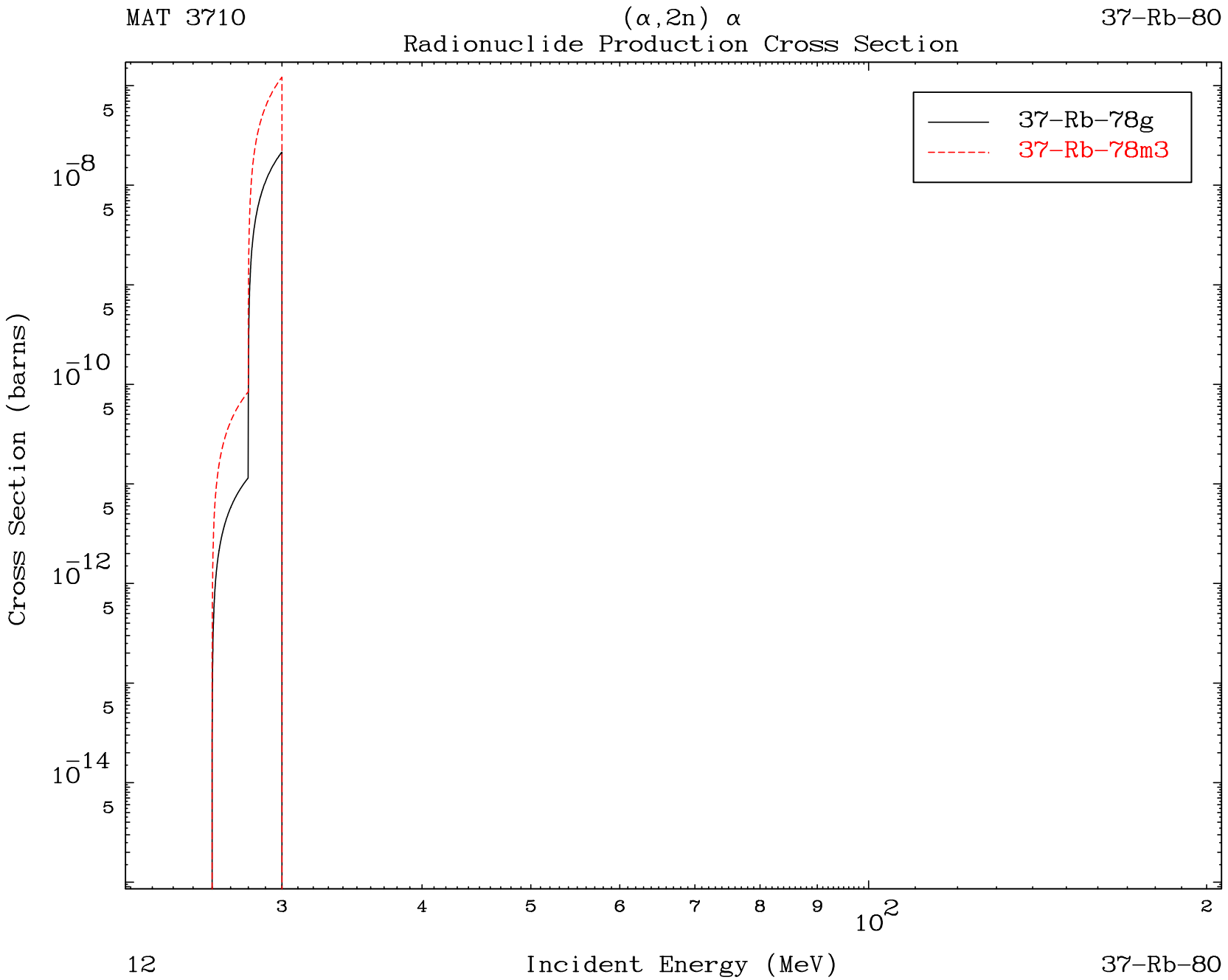

MAT 3710
(α,d) Levels
37-Rb-80
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-80
7

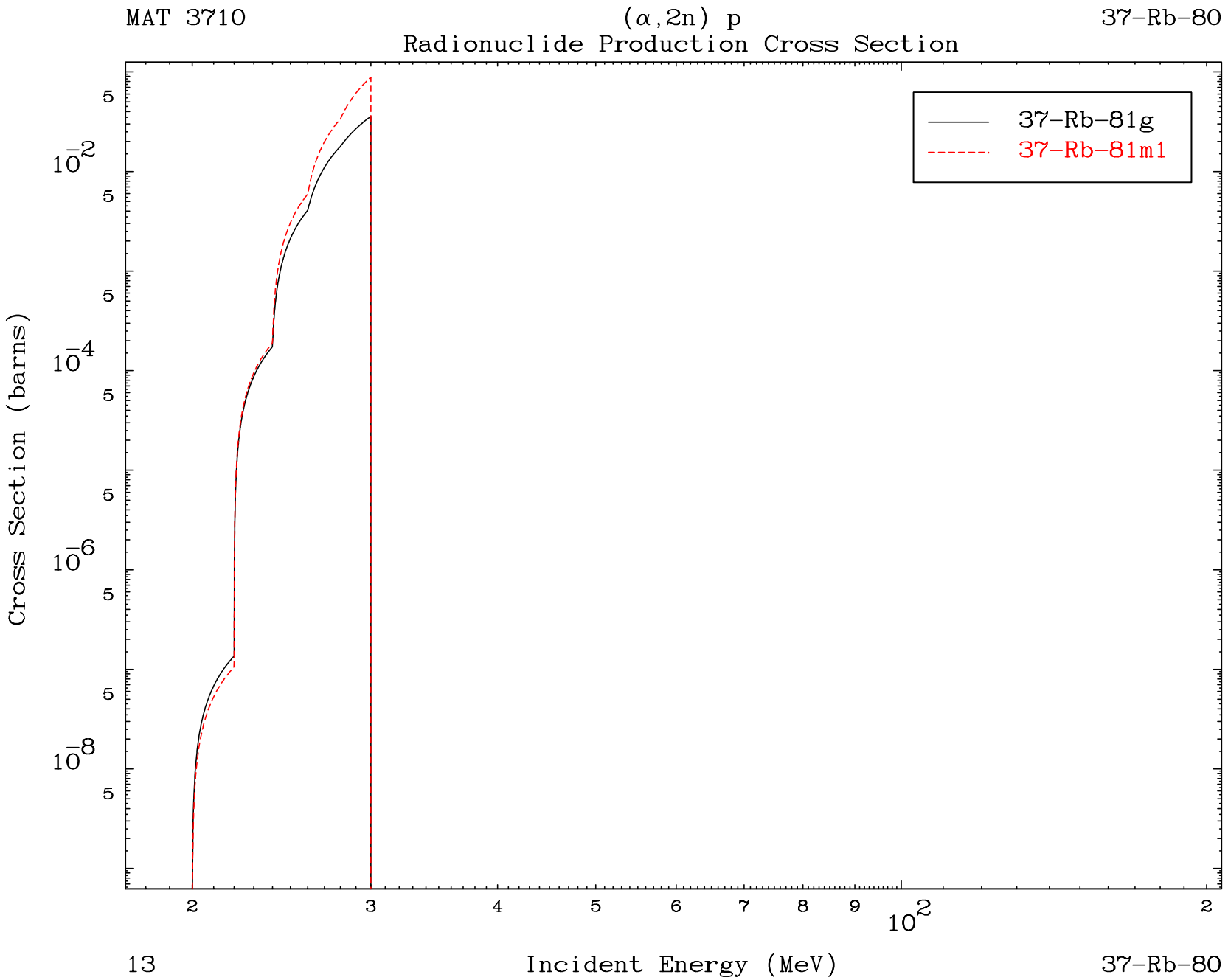

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

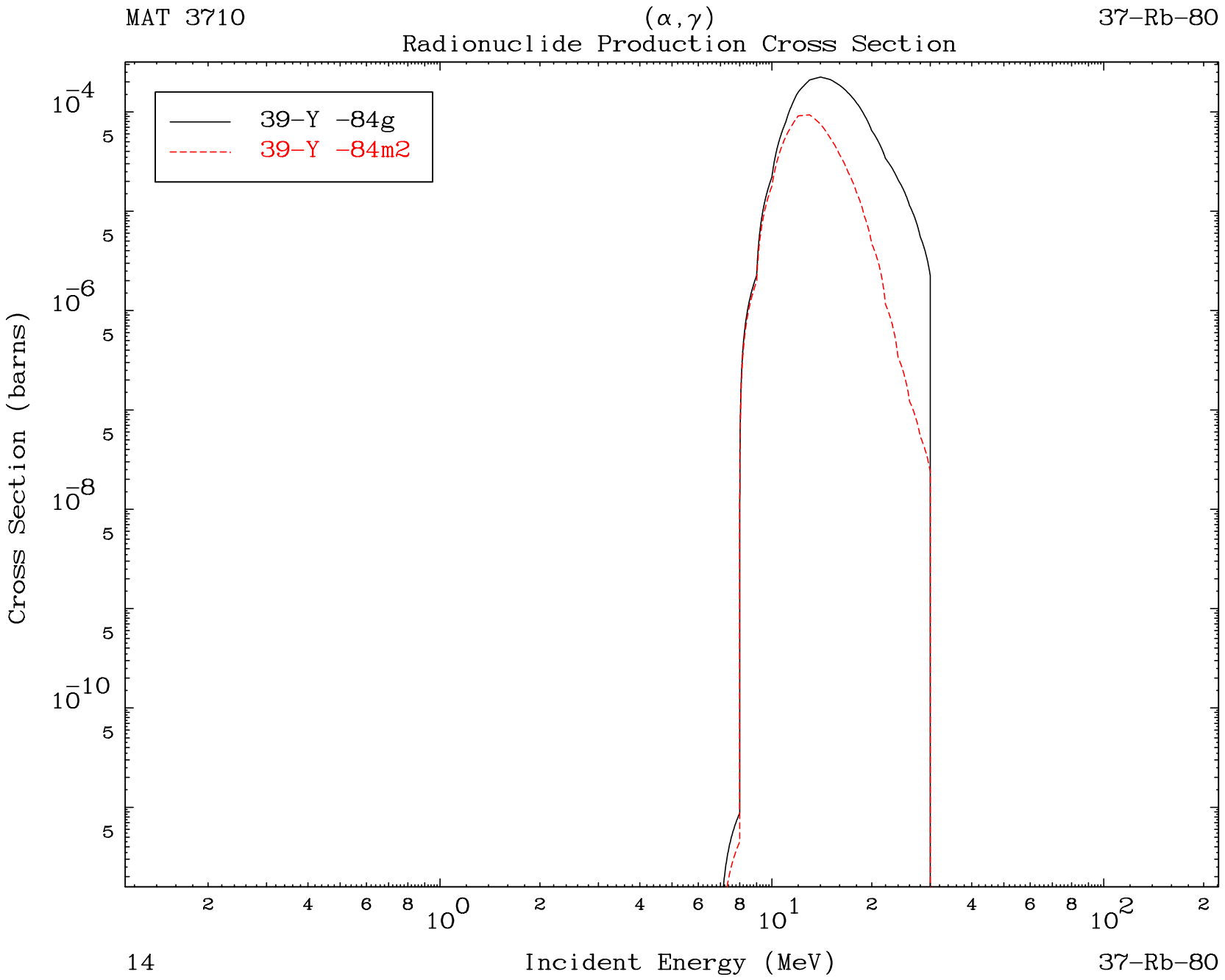

MAT 3710
(α,He3) Levels
37-Rb-80
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
37-Rb-80

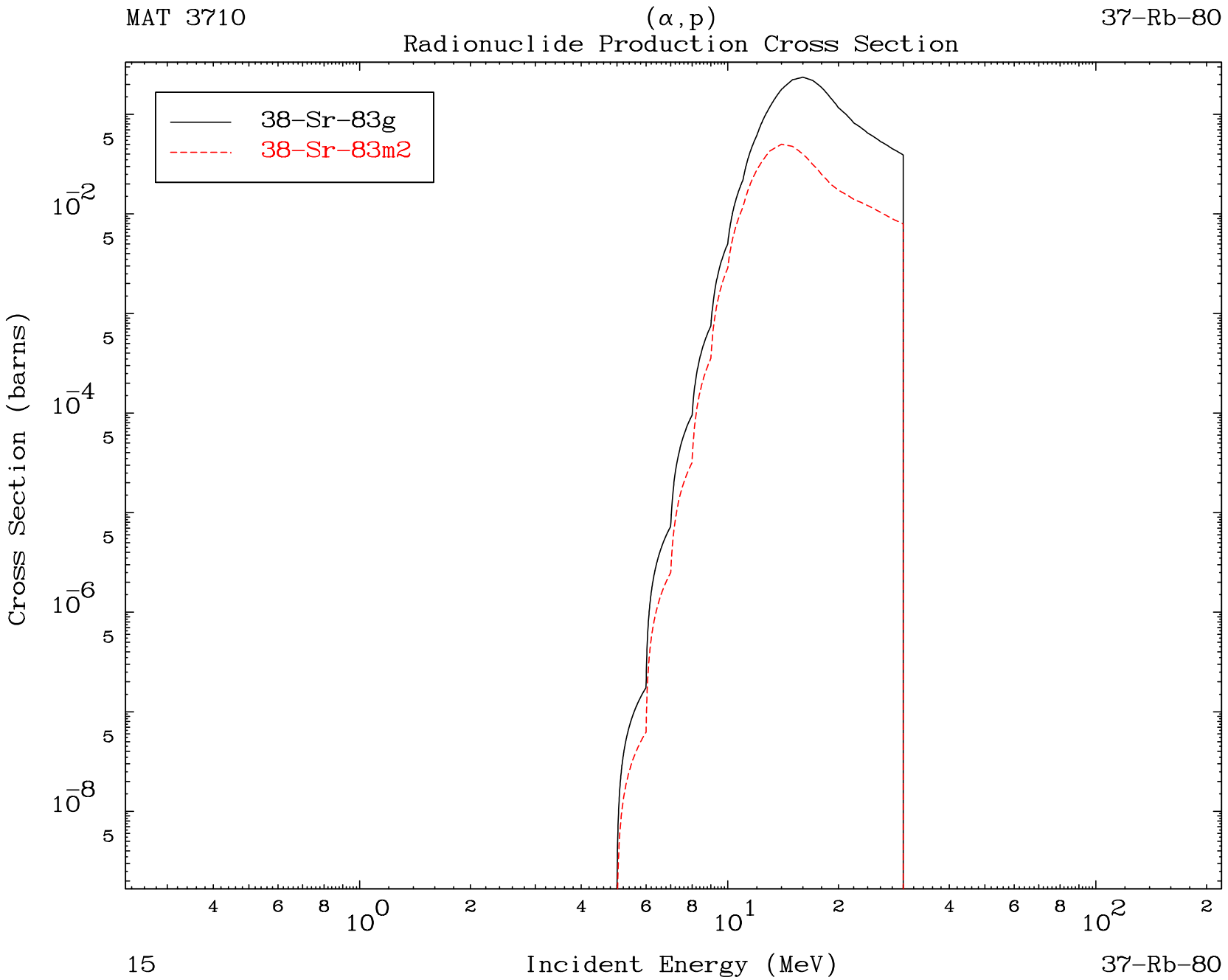

MAT 3710
(α,α) Levels
37-Rb-80
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^0
10^1
10^2
2
4
6
8
10
Incident Energy (MeV)
37-Rb-80

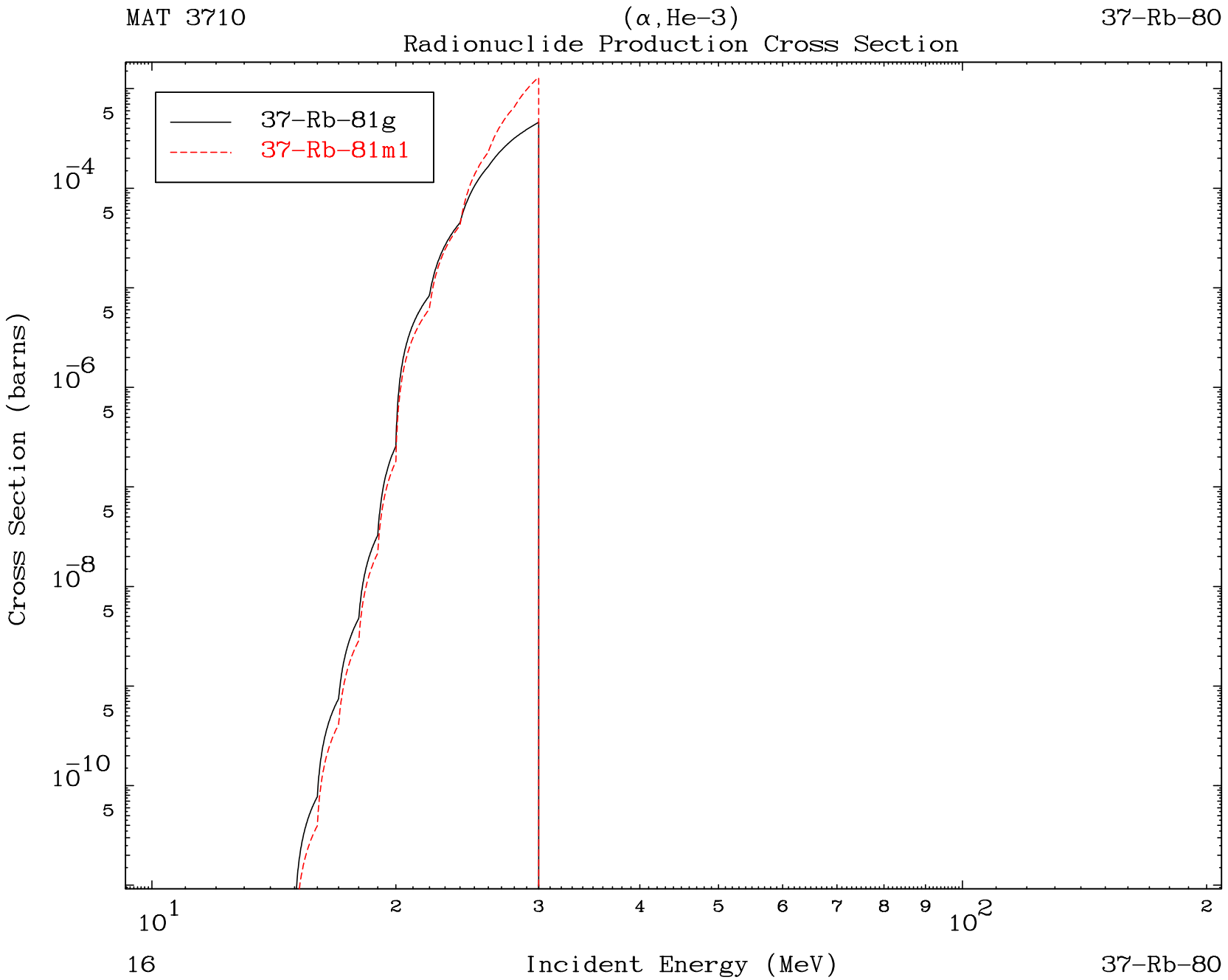

MAT 3710
α Inelastic
37-Rb-80
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
Incident Energy (MeV)
11
37-Rb-80

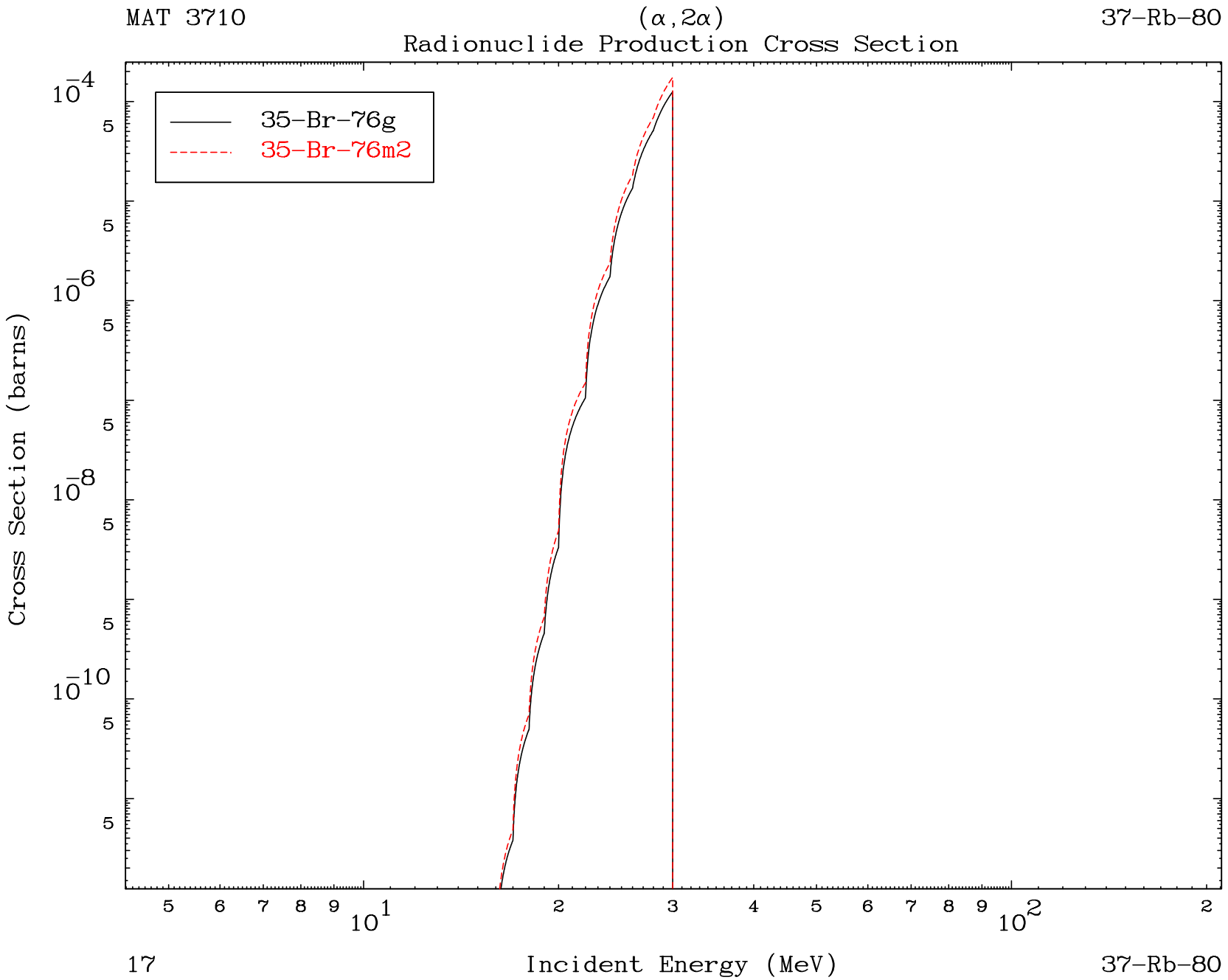

MAT 3710
(α,2n) α
37-Rb-80
Radionuclide Production Cross Section
37-Rb-78g
37-Rb-78m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
37-Rb-80

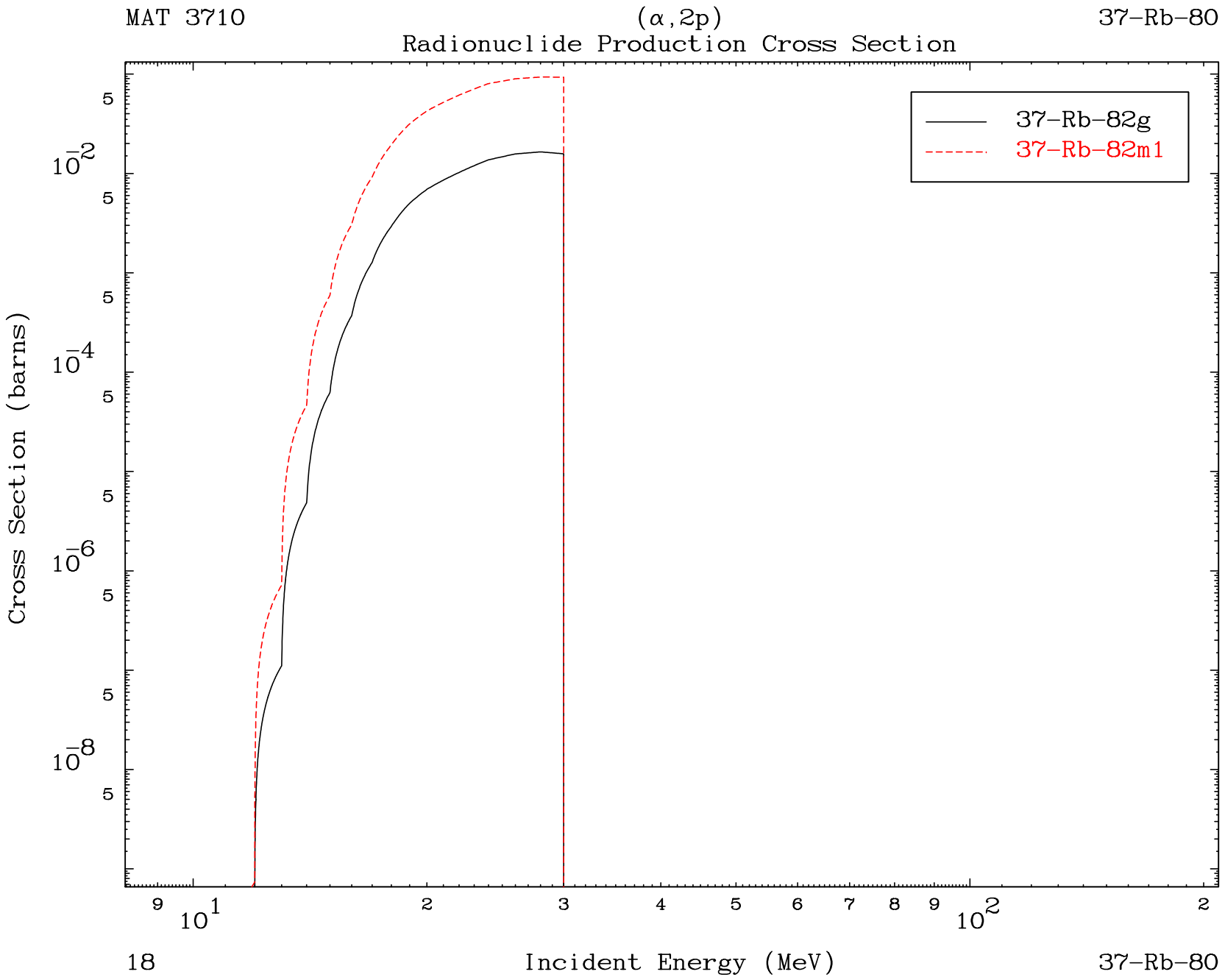

MAT 3710
(α,2n) p
37-Rb-80
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
37-Rb-80

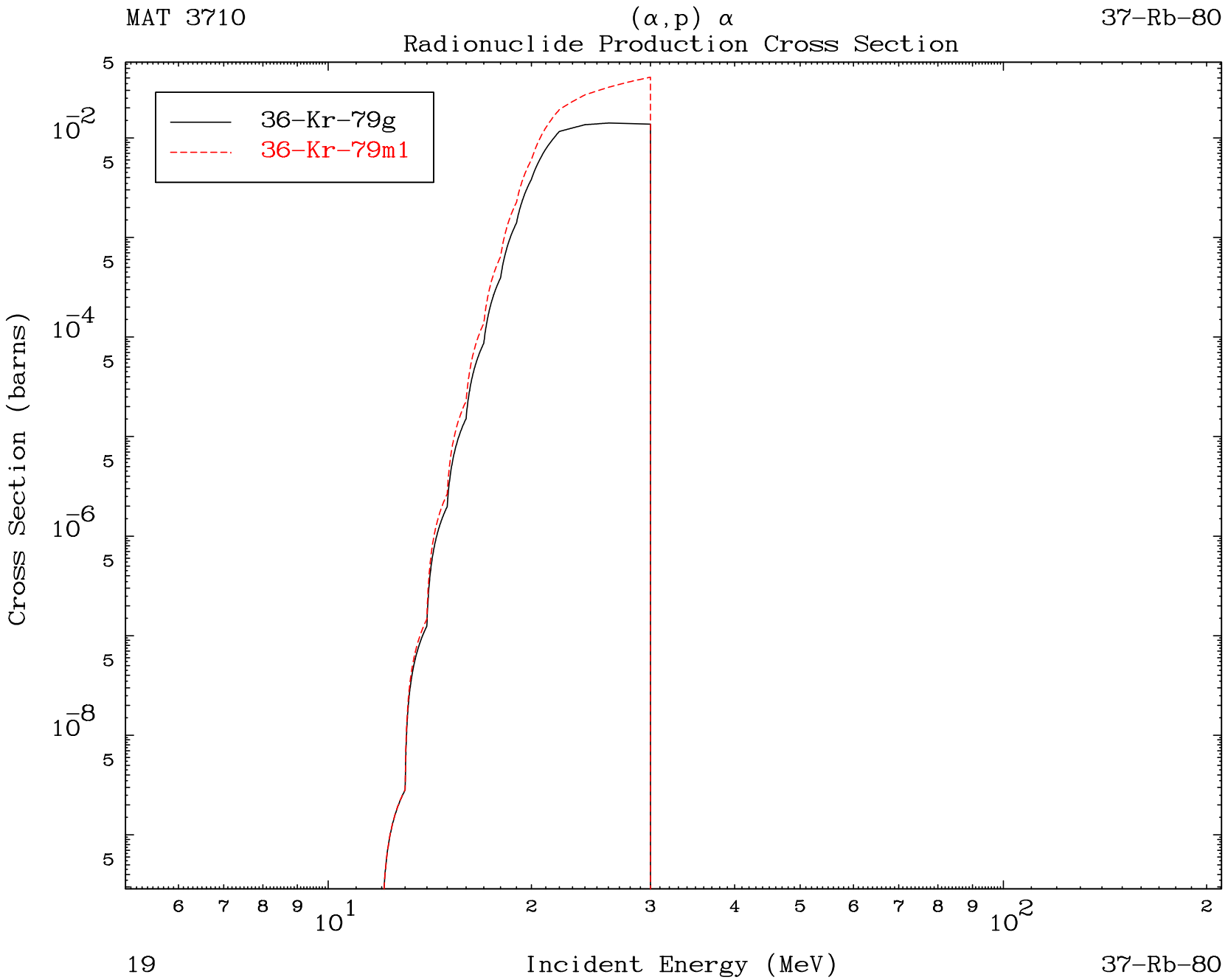

MAT 3710
(α,γ)
37-Rb-80
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
14
37-Rb-80

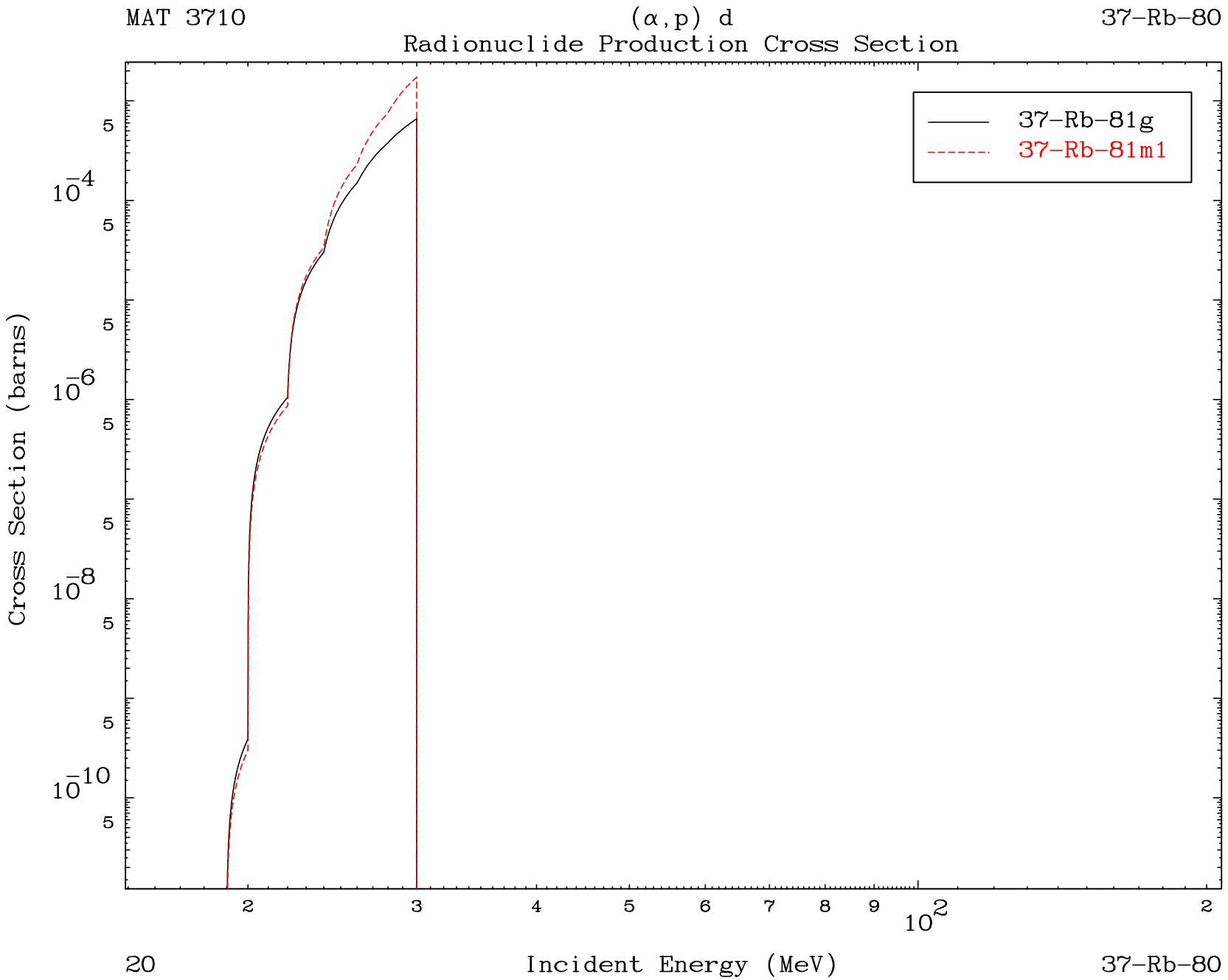

MAT 3710
(α,p)
37-Rb-80
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
15
37-Rb-80


MAT 3710
(α,He-3)
37-Rb-80
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
37-Rb-80


MAT 3710
(α,2α)
37-Rb-80
Radionuclide Production Cross Section
35-Br-76g
35-Br-76m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
37-Rb-80


MAT 3710
(α,2p)
37-Rb-80
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
37-Rb-80


MAT 3710
(α,p) α
37-Rb-80
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
Incident Energy (MeV)
19
37-Rb-80


MAT 3710
(α,p) d
37-Rb-80
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
37-Rb-80