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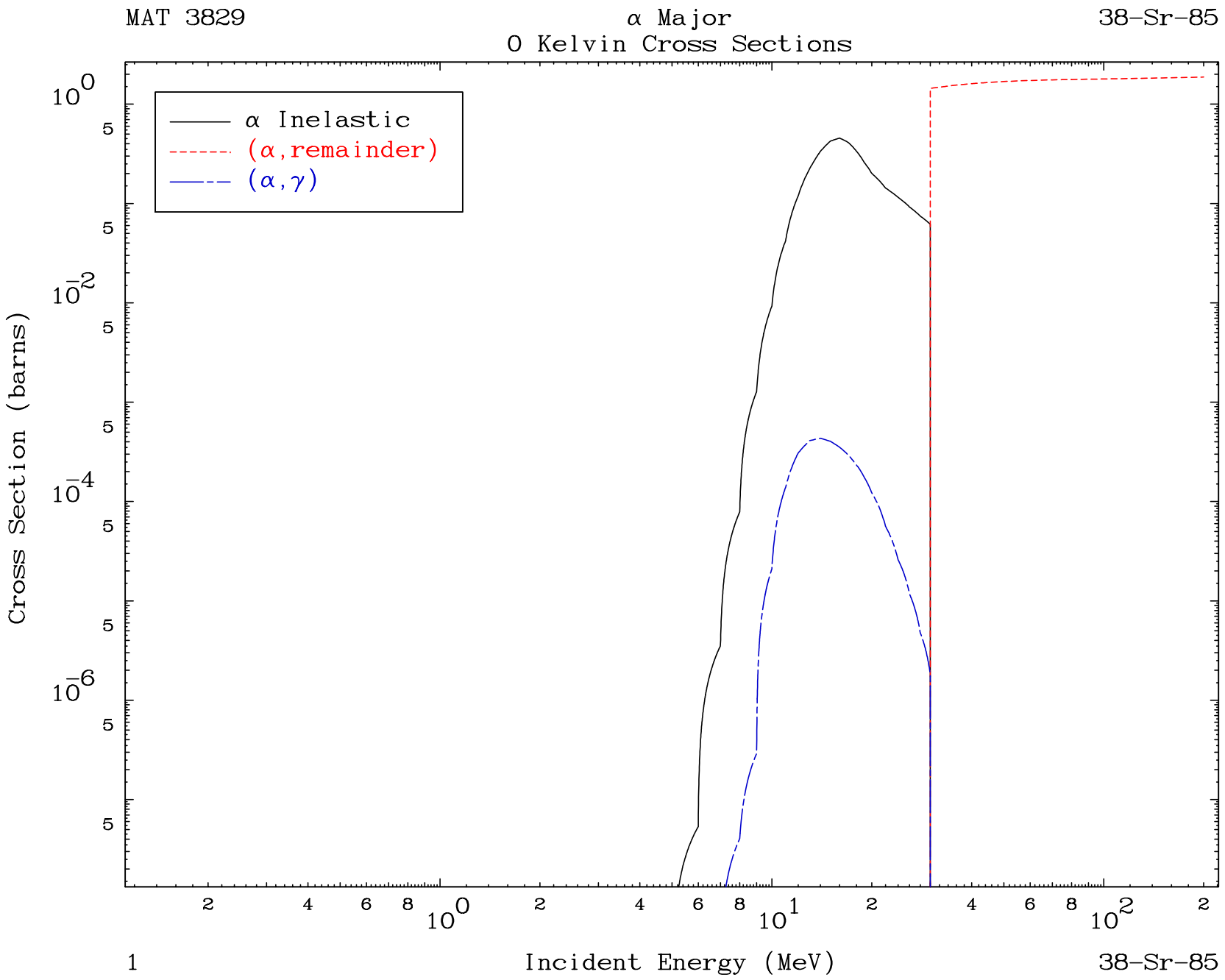
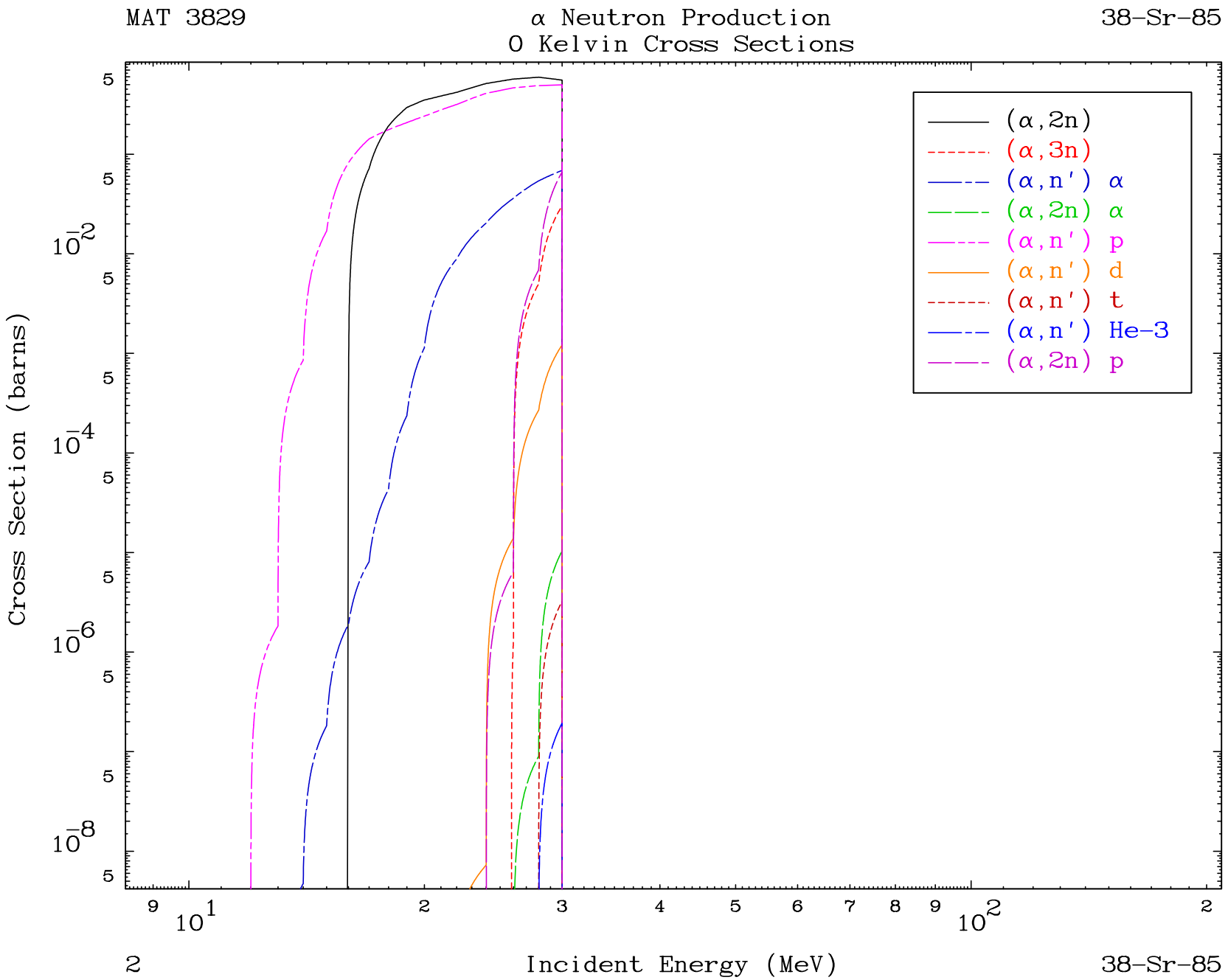
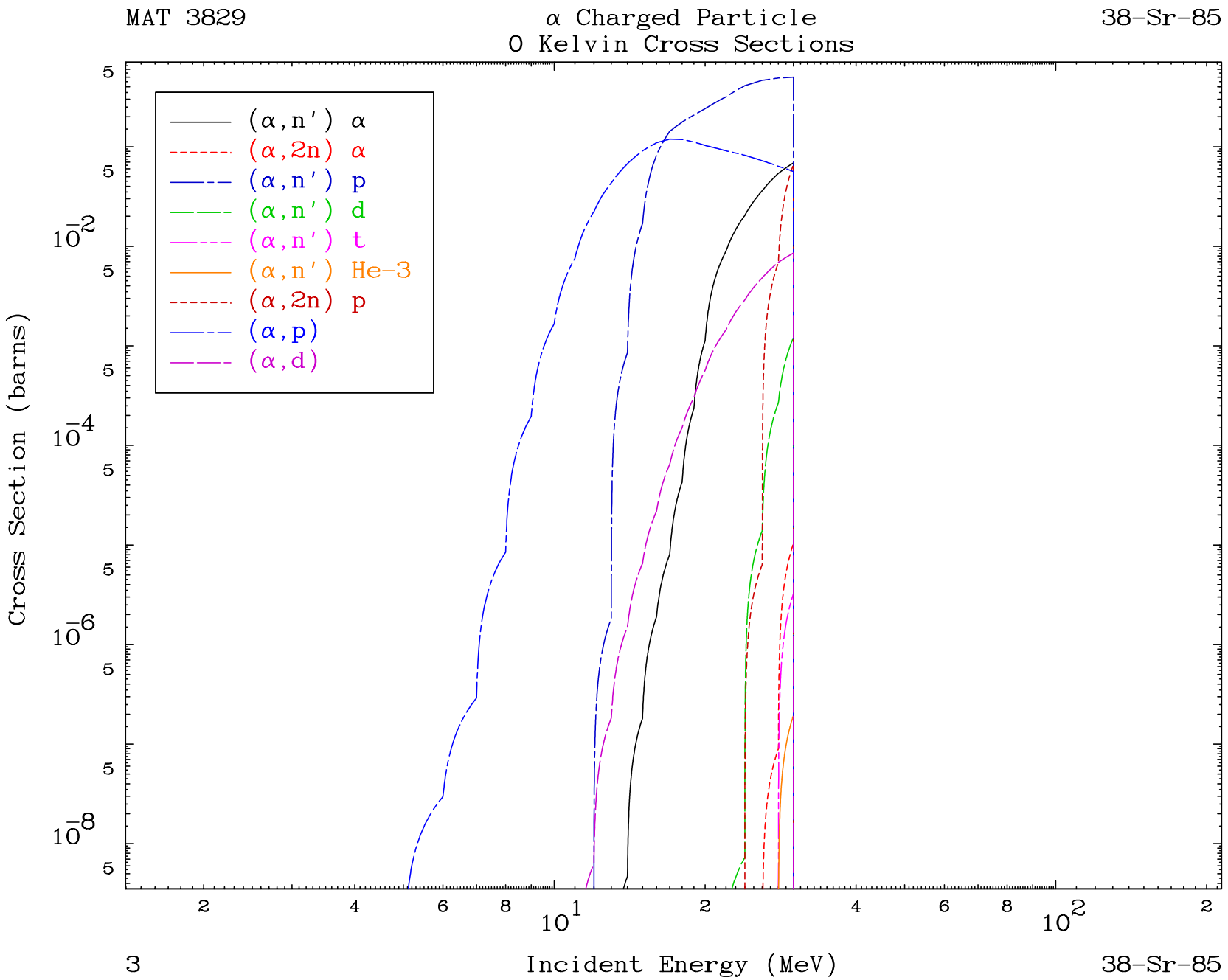
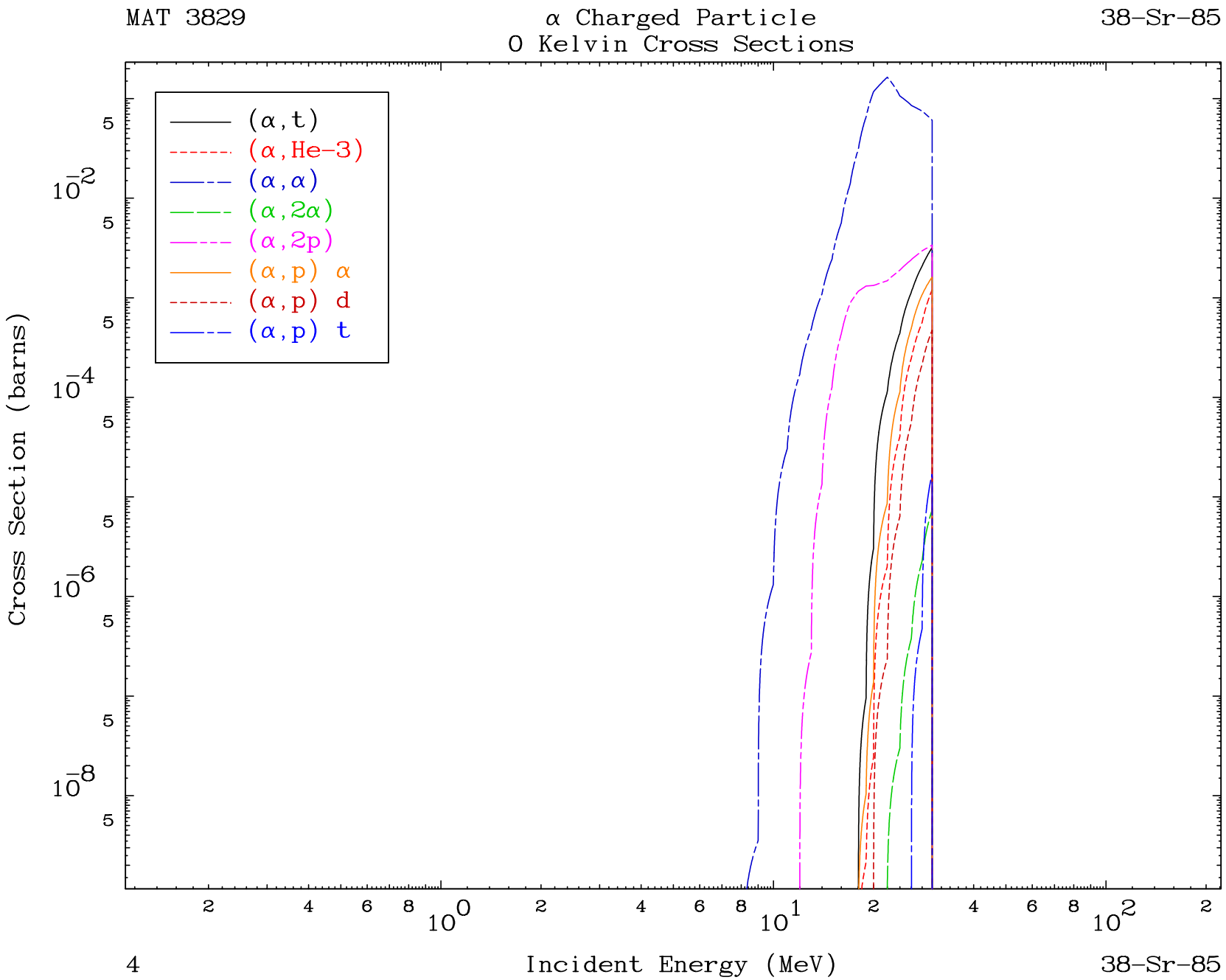
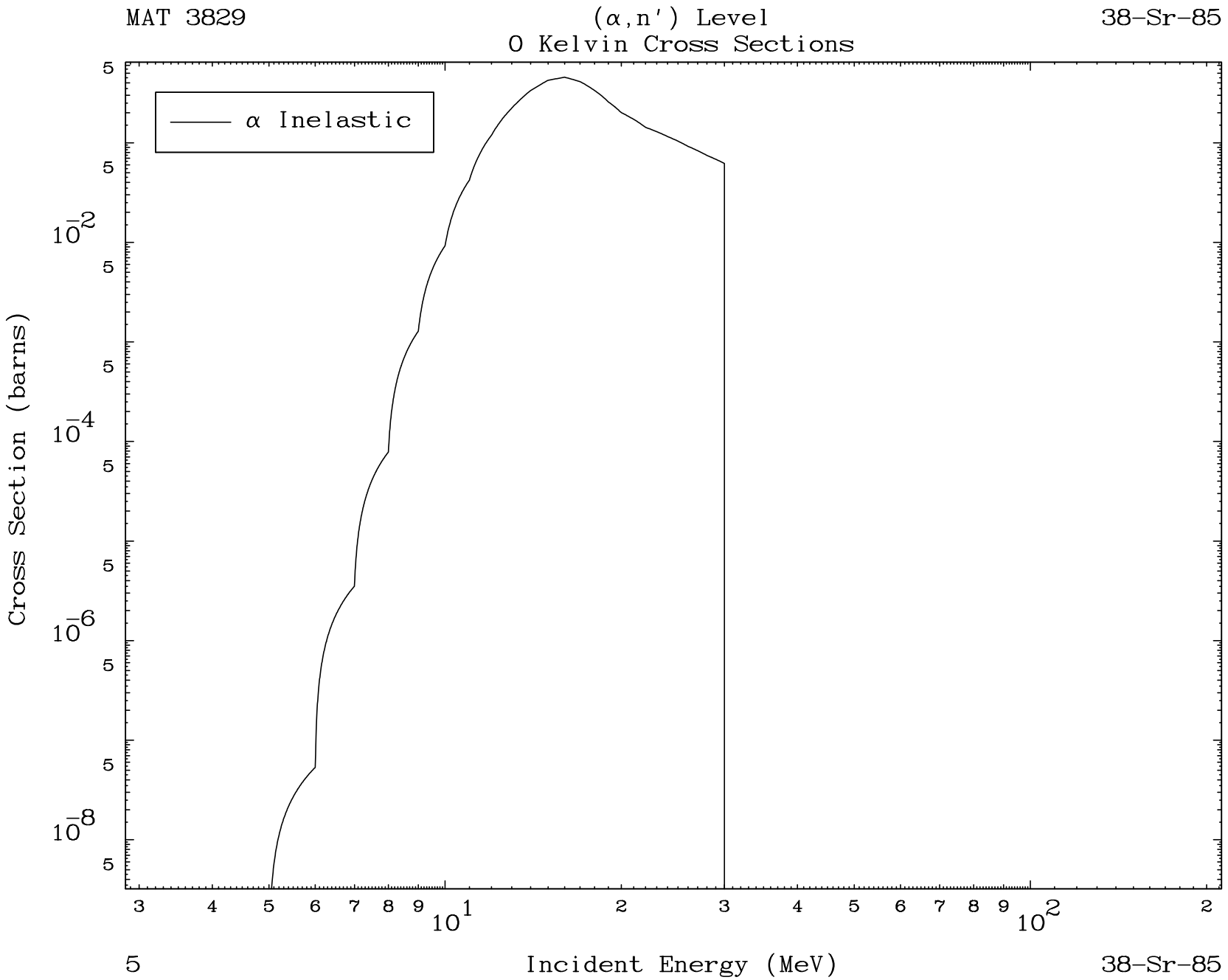
Press Mouse Button to Start

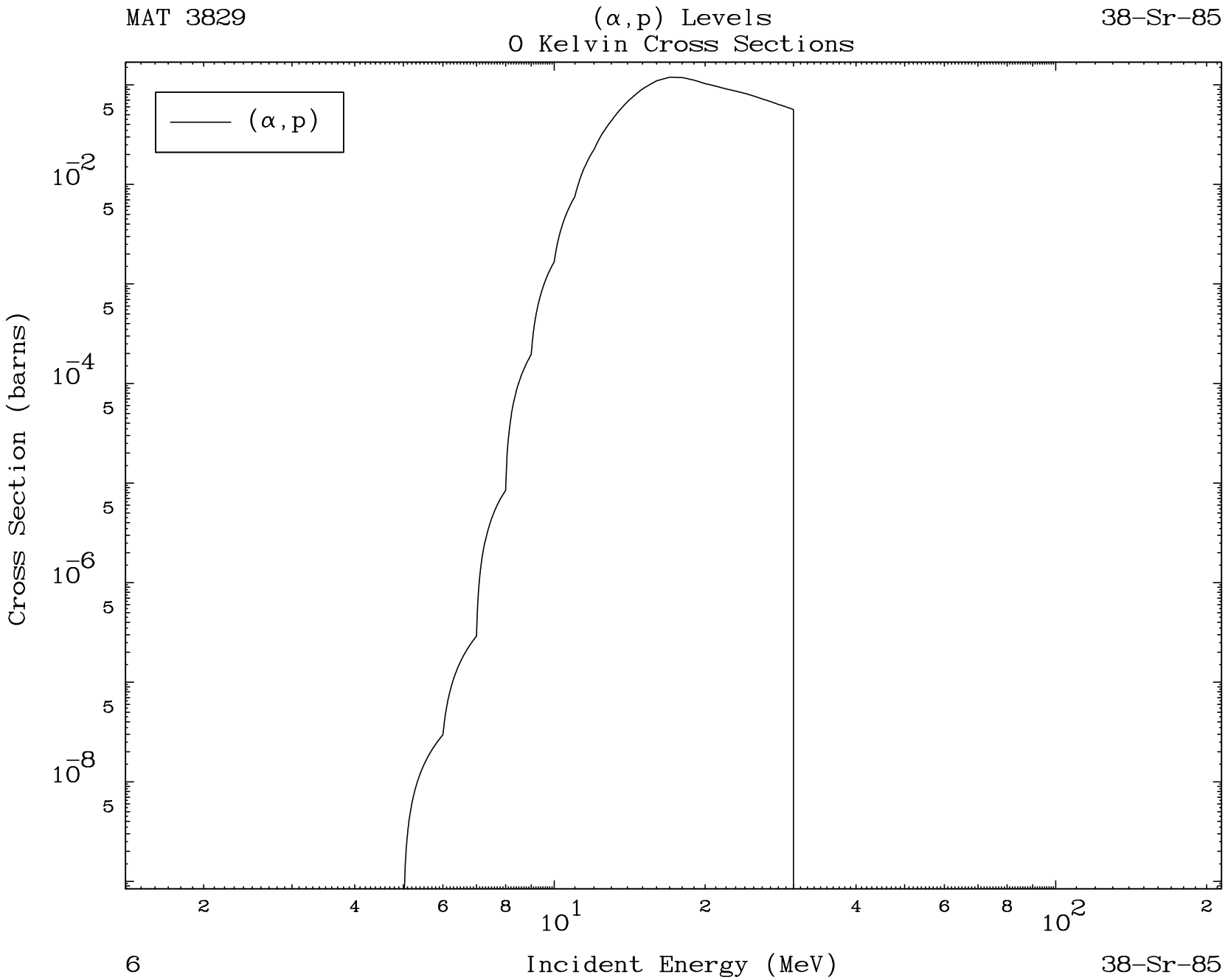

MAT 3829
α Major
38-Sr-85
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
38-Sr-85

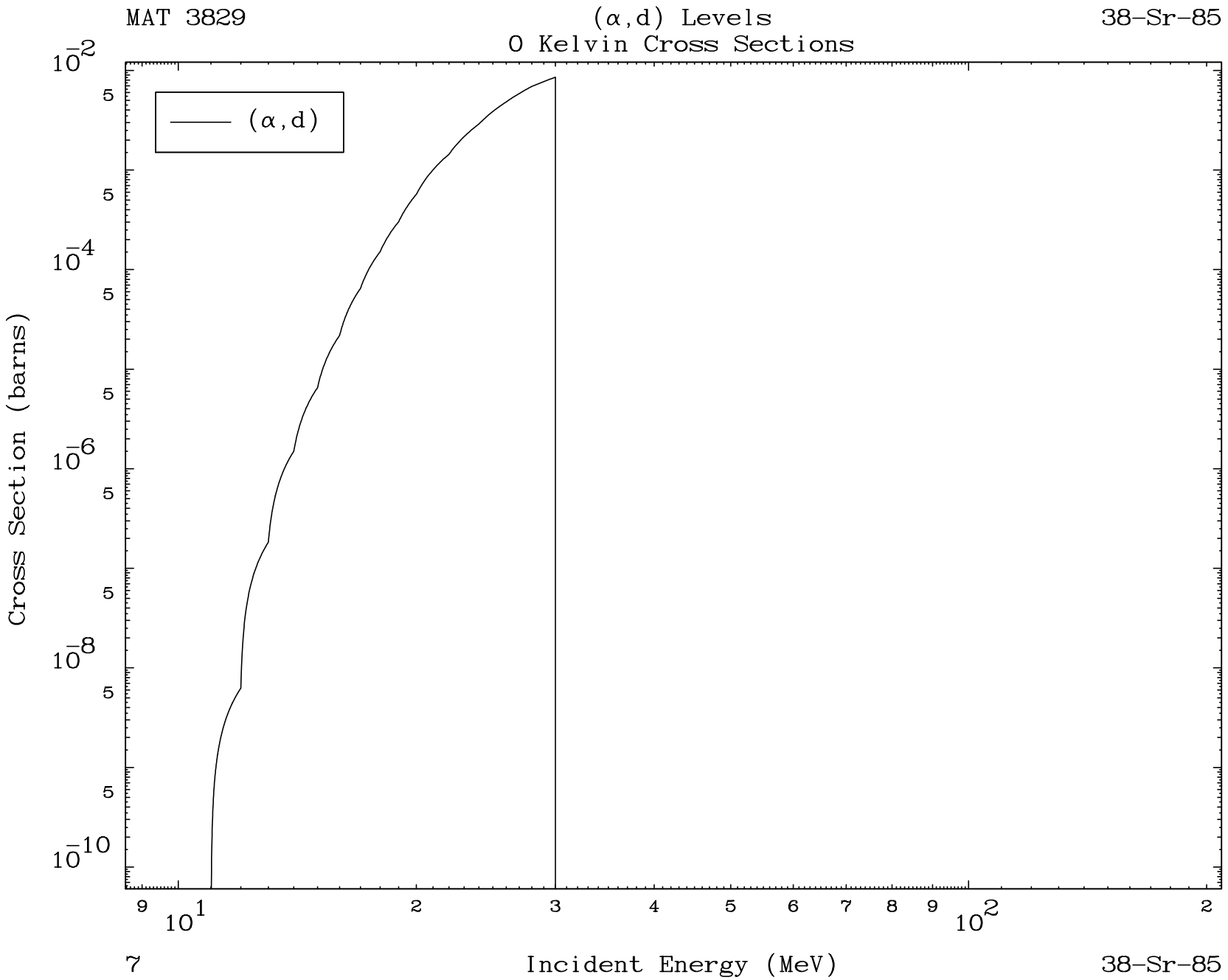

MAT 3829
α Neutron Production
0 Kelvin Cross Sections
38-Sr-85
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

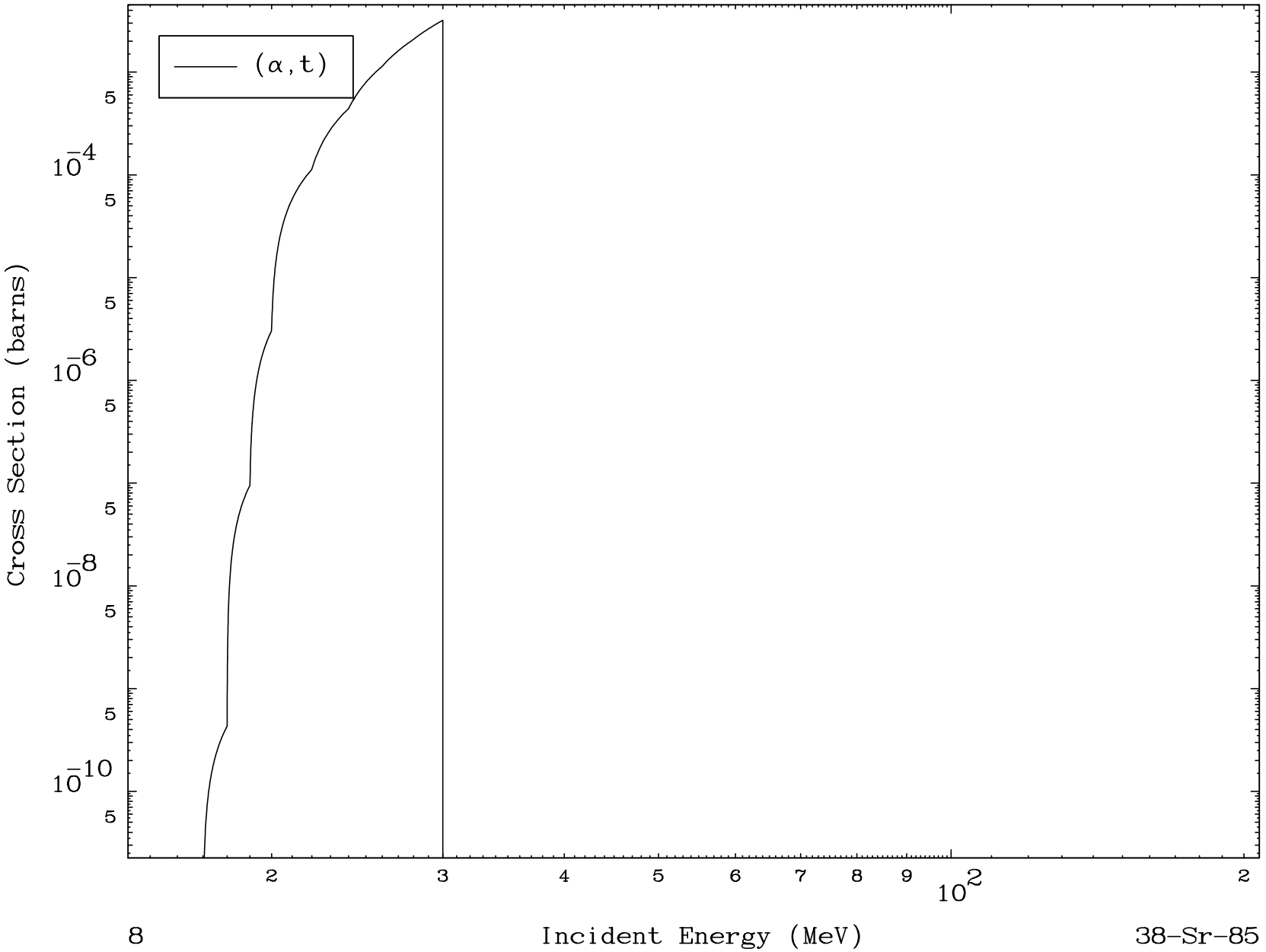

MAT 3829
α Charged Particle
0 Kelvin Cross Sections
38-Sr-85
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-85

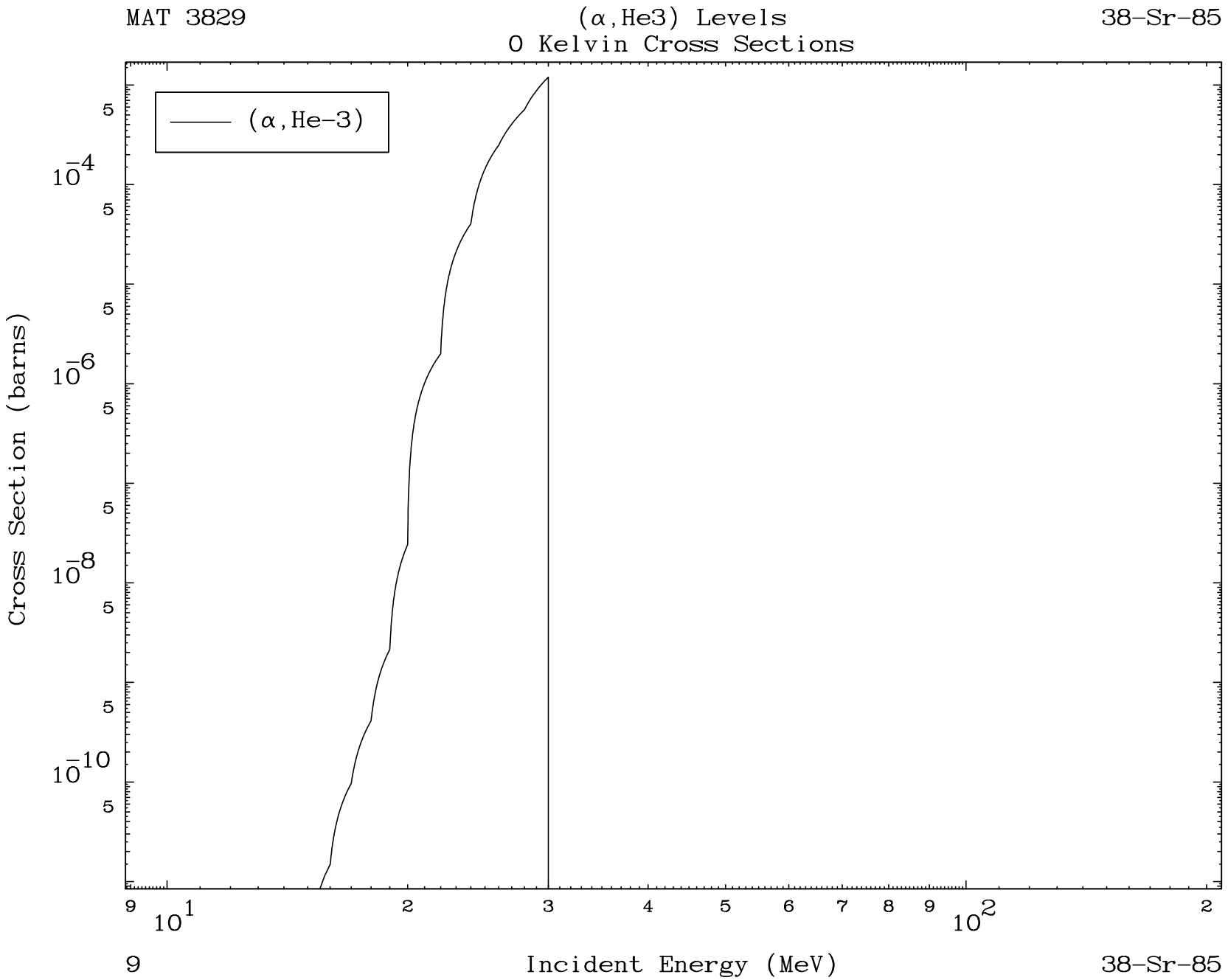

MAT 3829
α Charged Particle
0 Kelvin Cross Sections
38-Sr-85
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-85

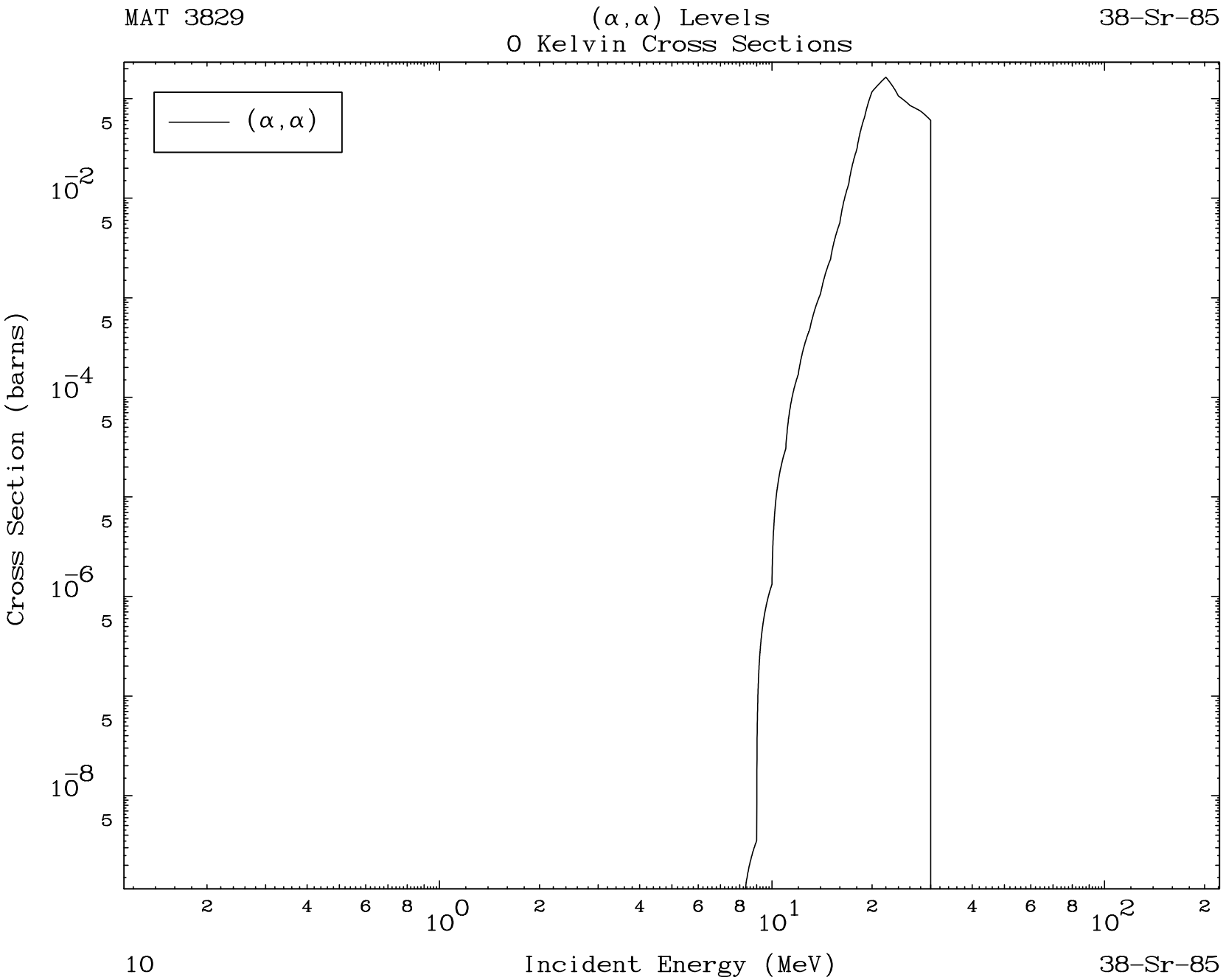

MAT 3829
(α,n') Level
38-Sr-85
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85

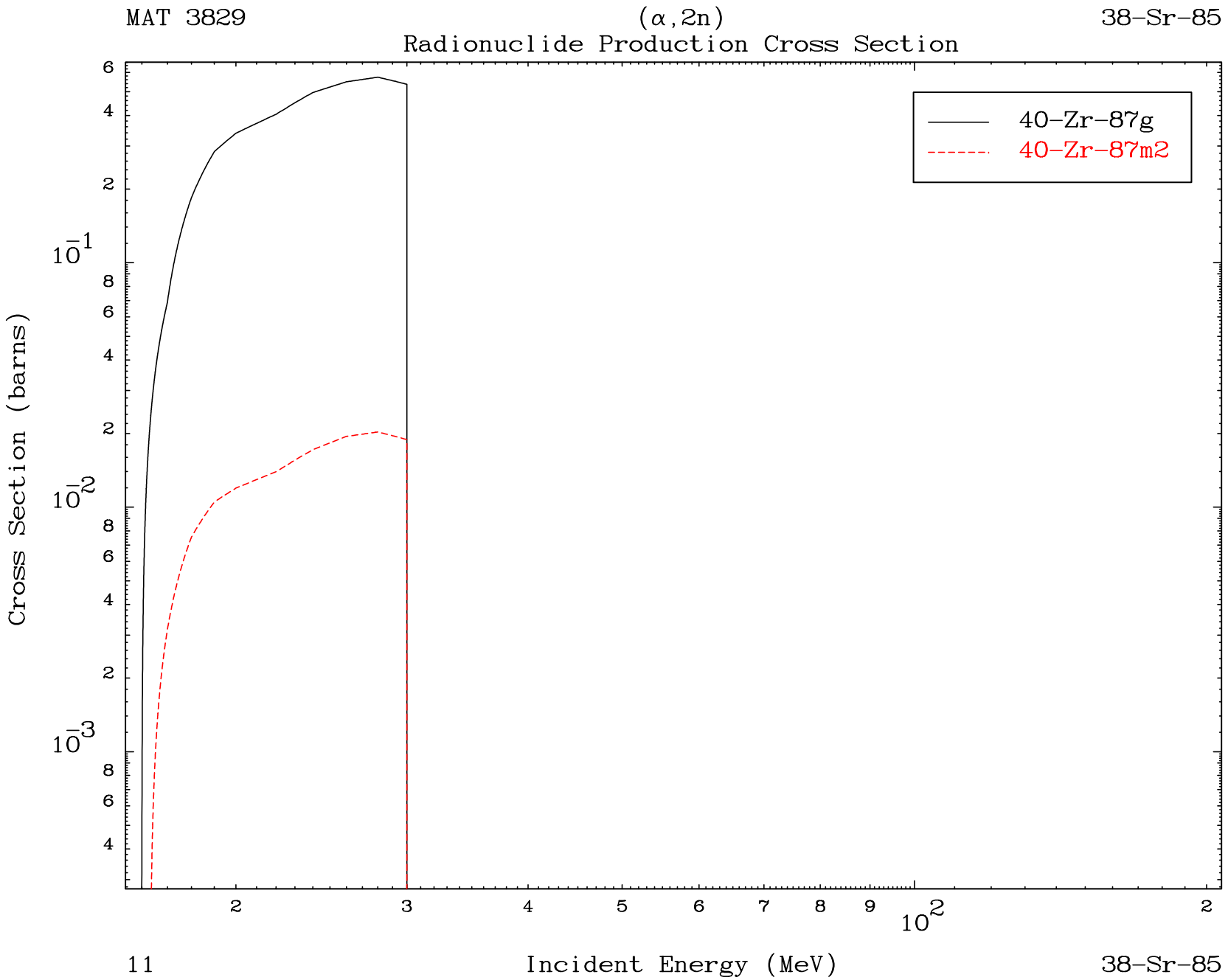

MAT 3829
(α,p) Levels
38-Sr-85
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
6
38-Sr-85

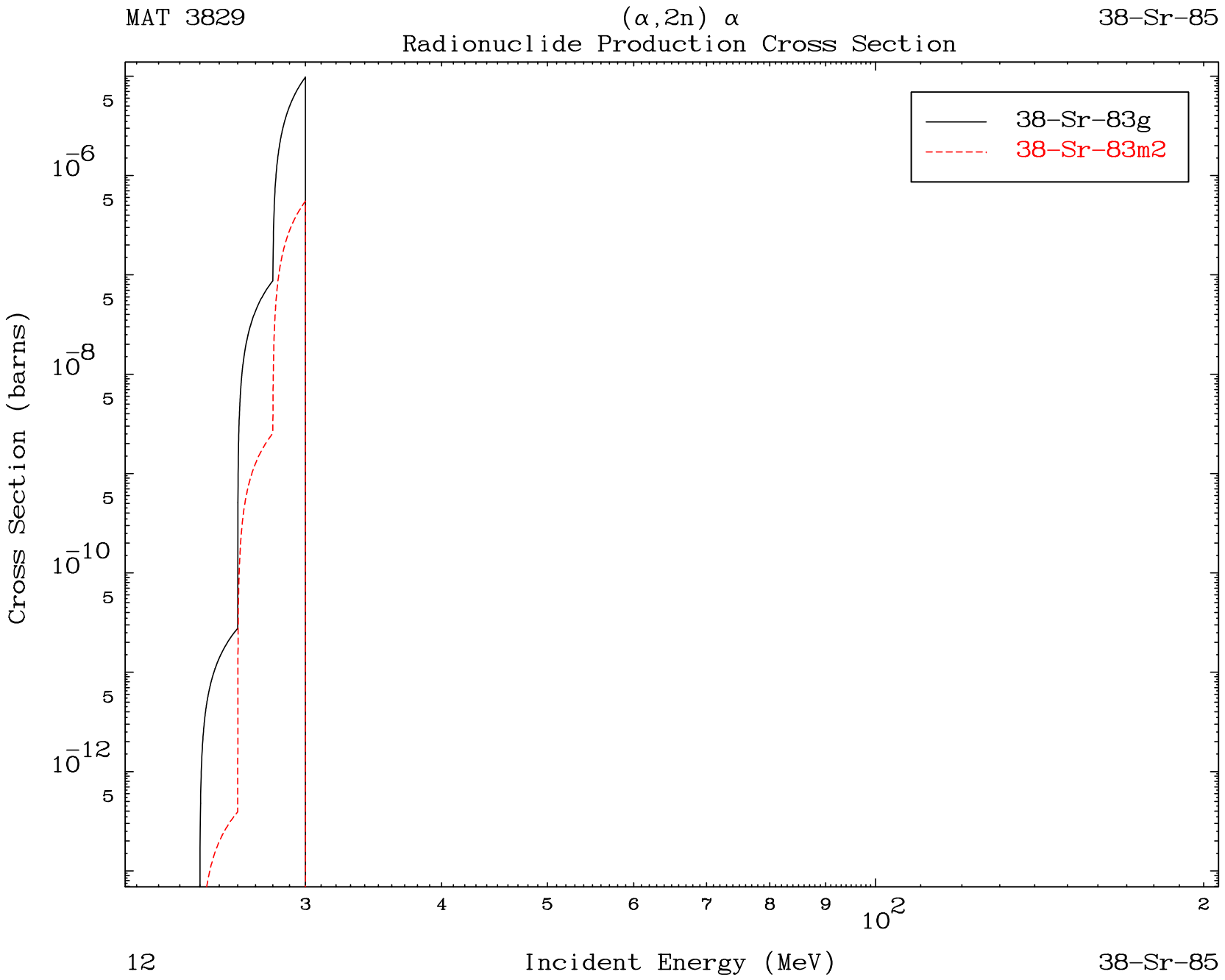

MAT 3829
(α,d) Levels
38-Sr-85
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85
7

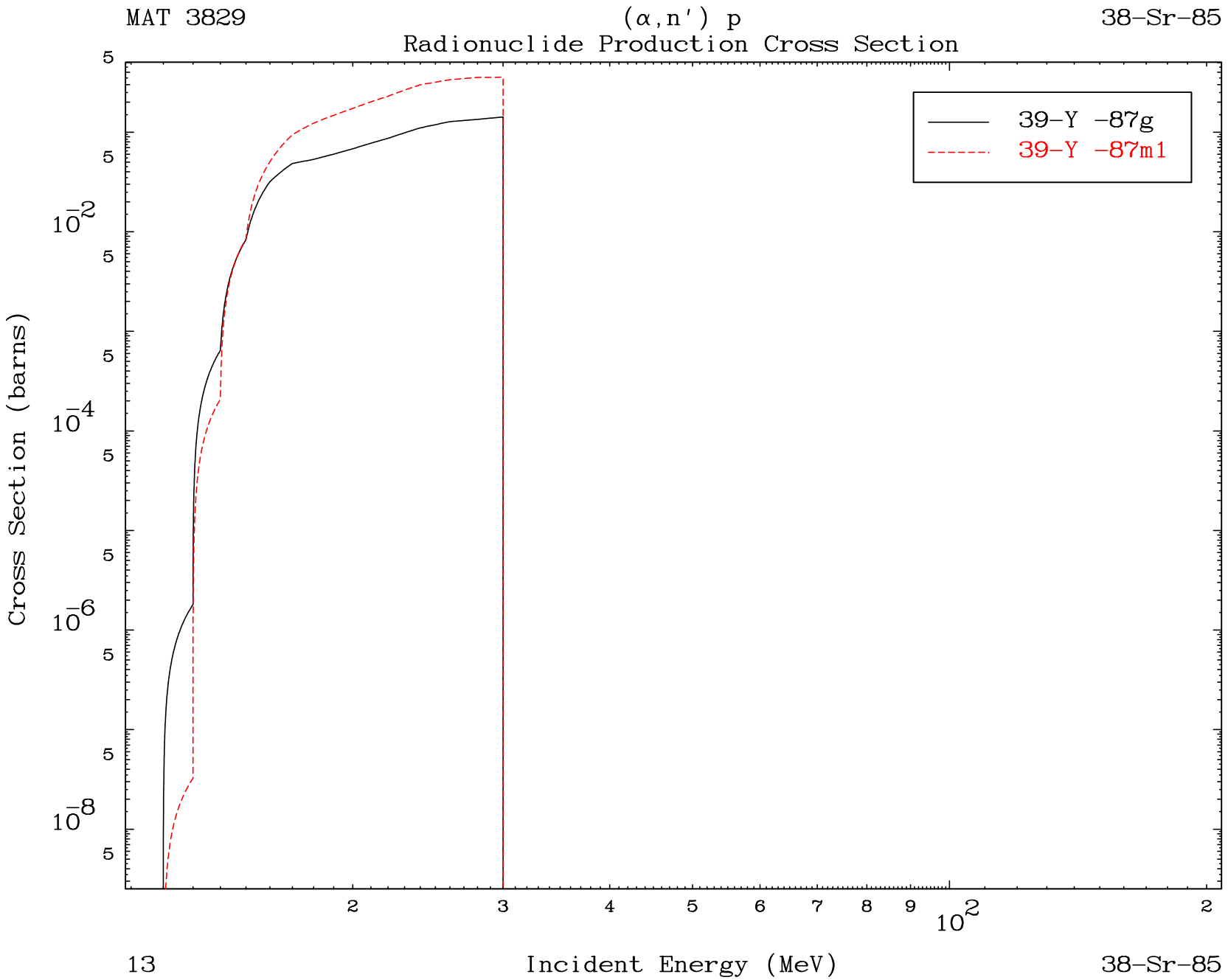

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

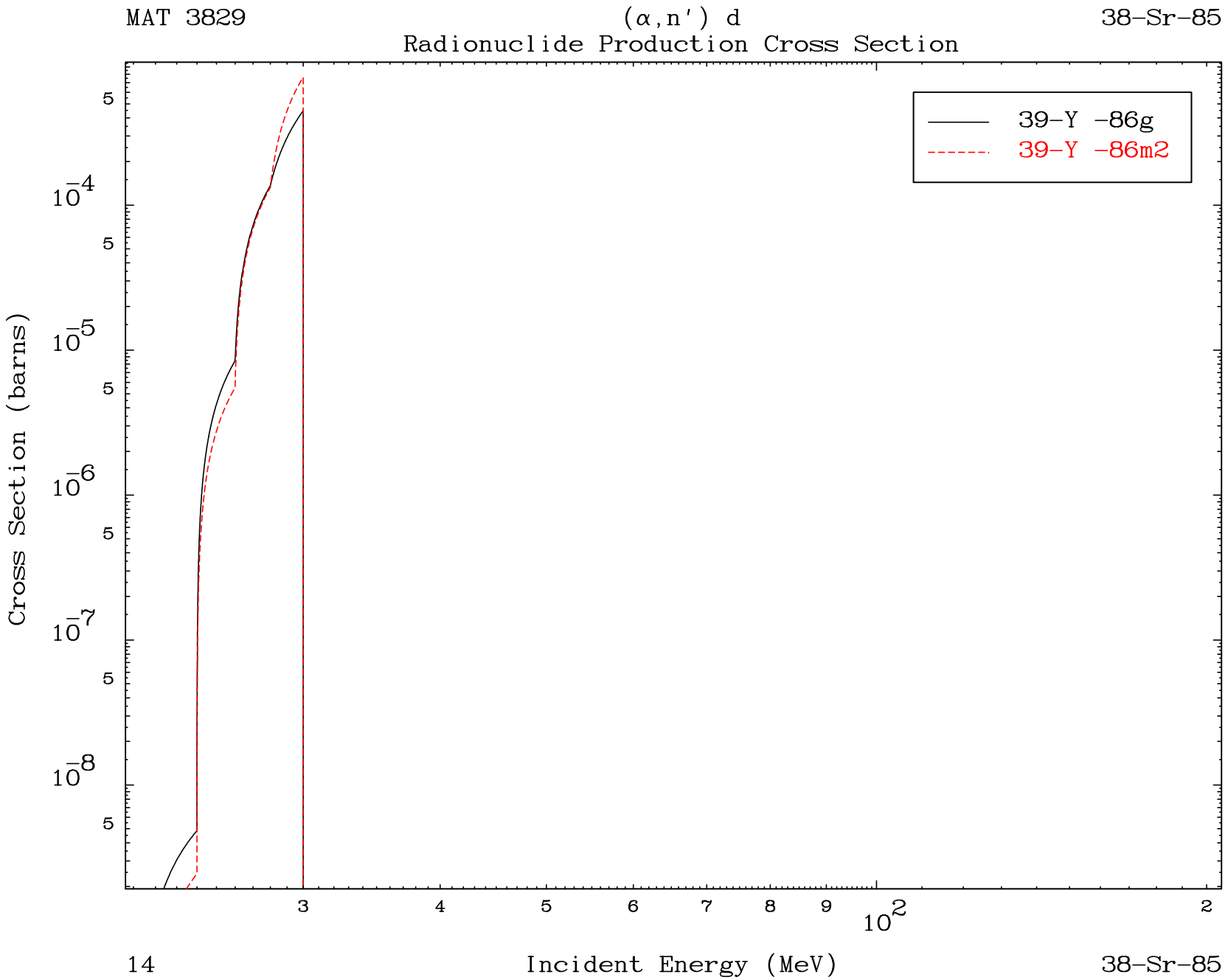

MAT 3829
(α,He3) Levels
38-Sr-85
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
38-Sr-85

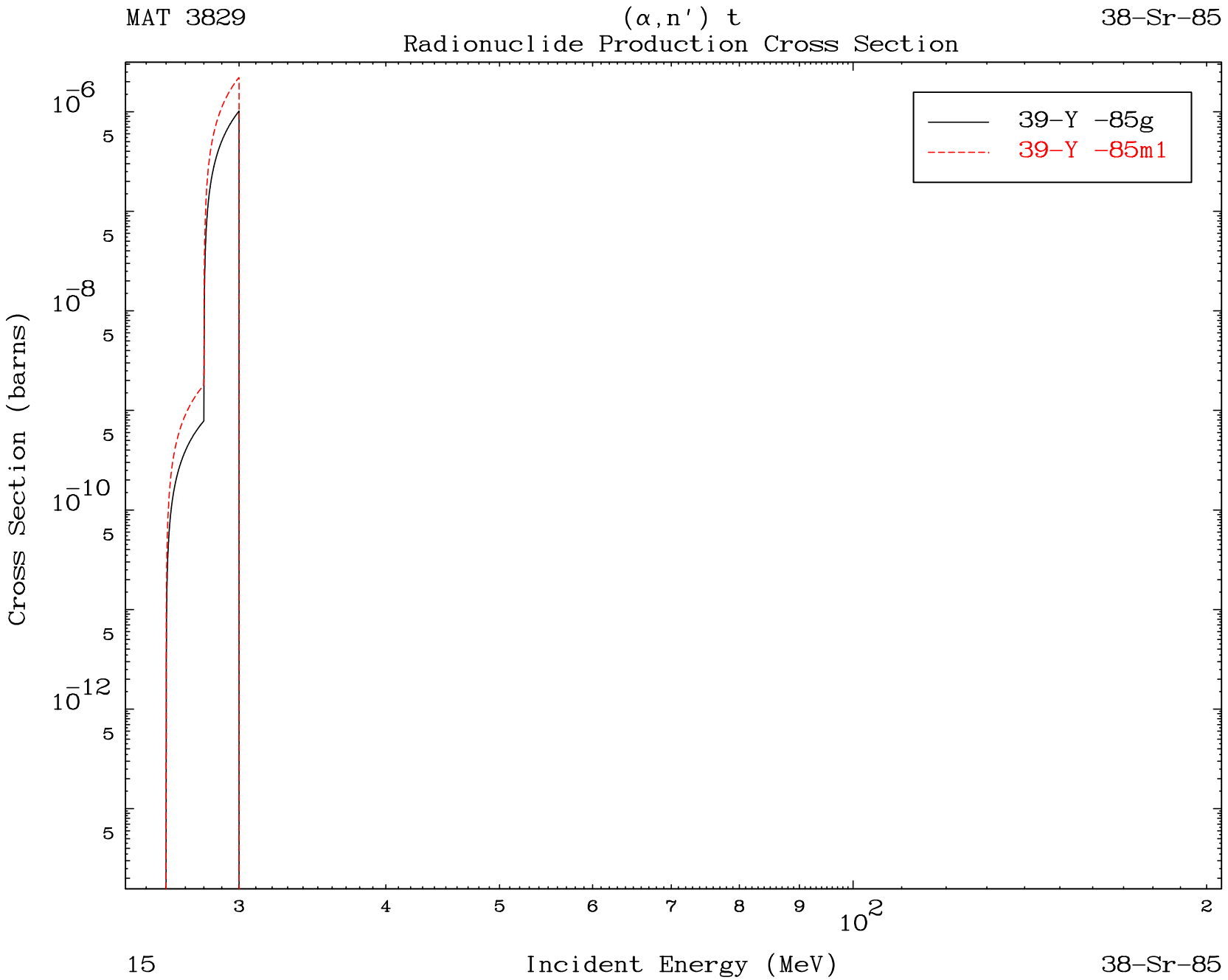

MAT 3829
(α,α) Levels
38-Sr-85
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
38-Sr-85

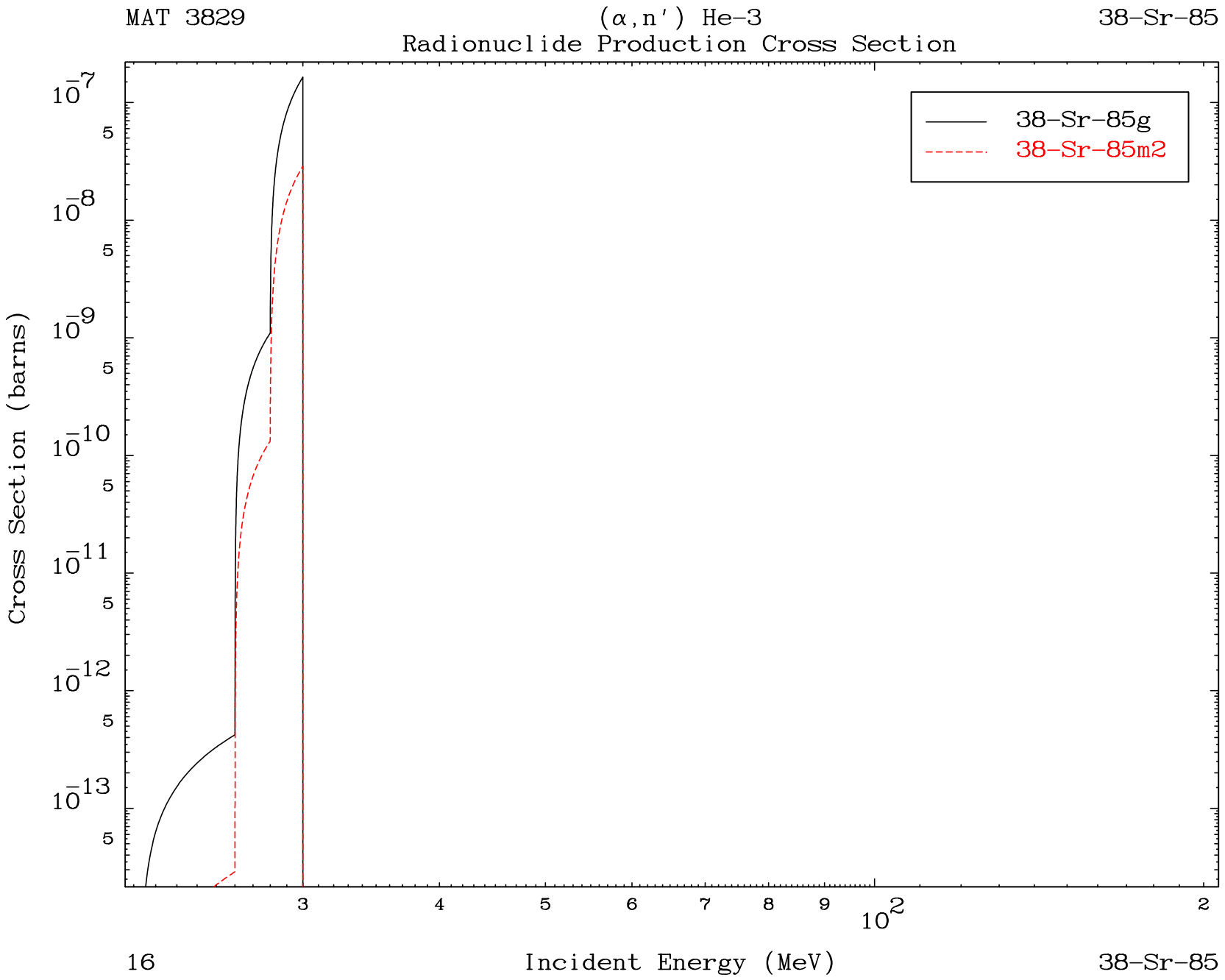

MAT 3829
(α,2n)
38-Sr-85
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
11
38-Sr-85

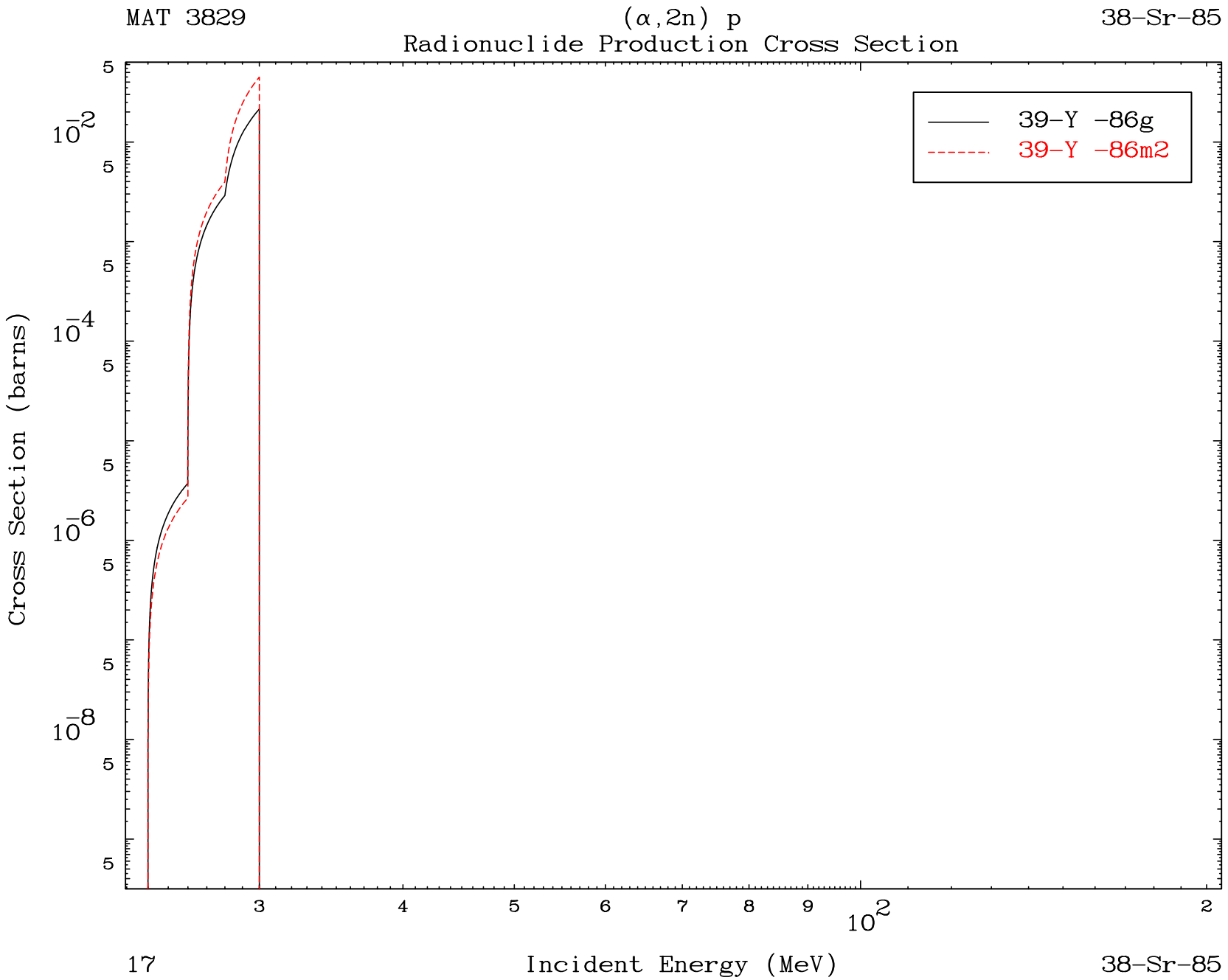

MAT 3829
(α,2n) α
38-Sr-85
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
12
Incident Energy (MeV)
38-Sr-85

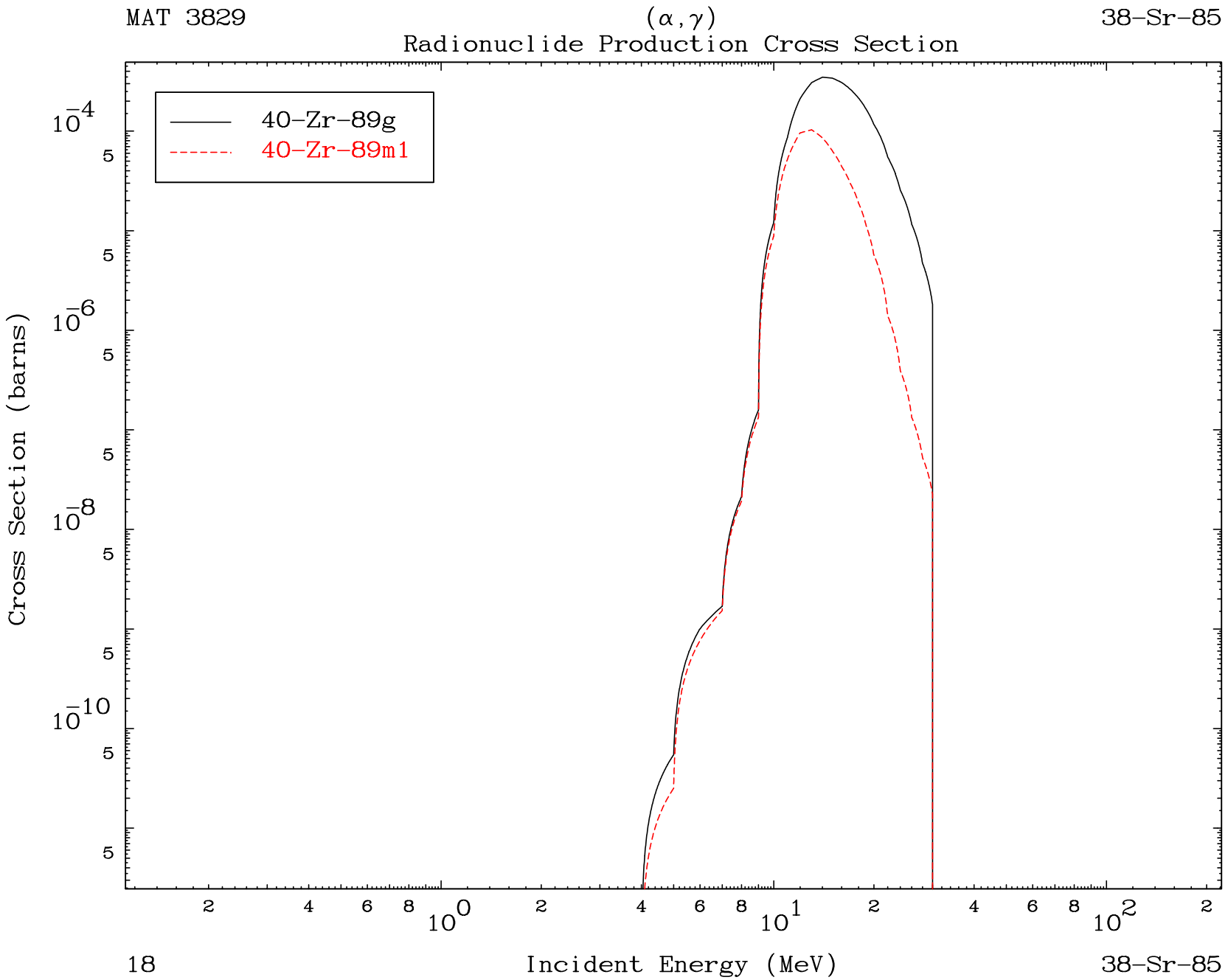

MAT 3829
(α,n') p
38-Sr-85
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10+2
2
13
Incident Energy (MeV)
38-Sr-85

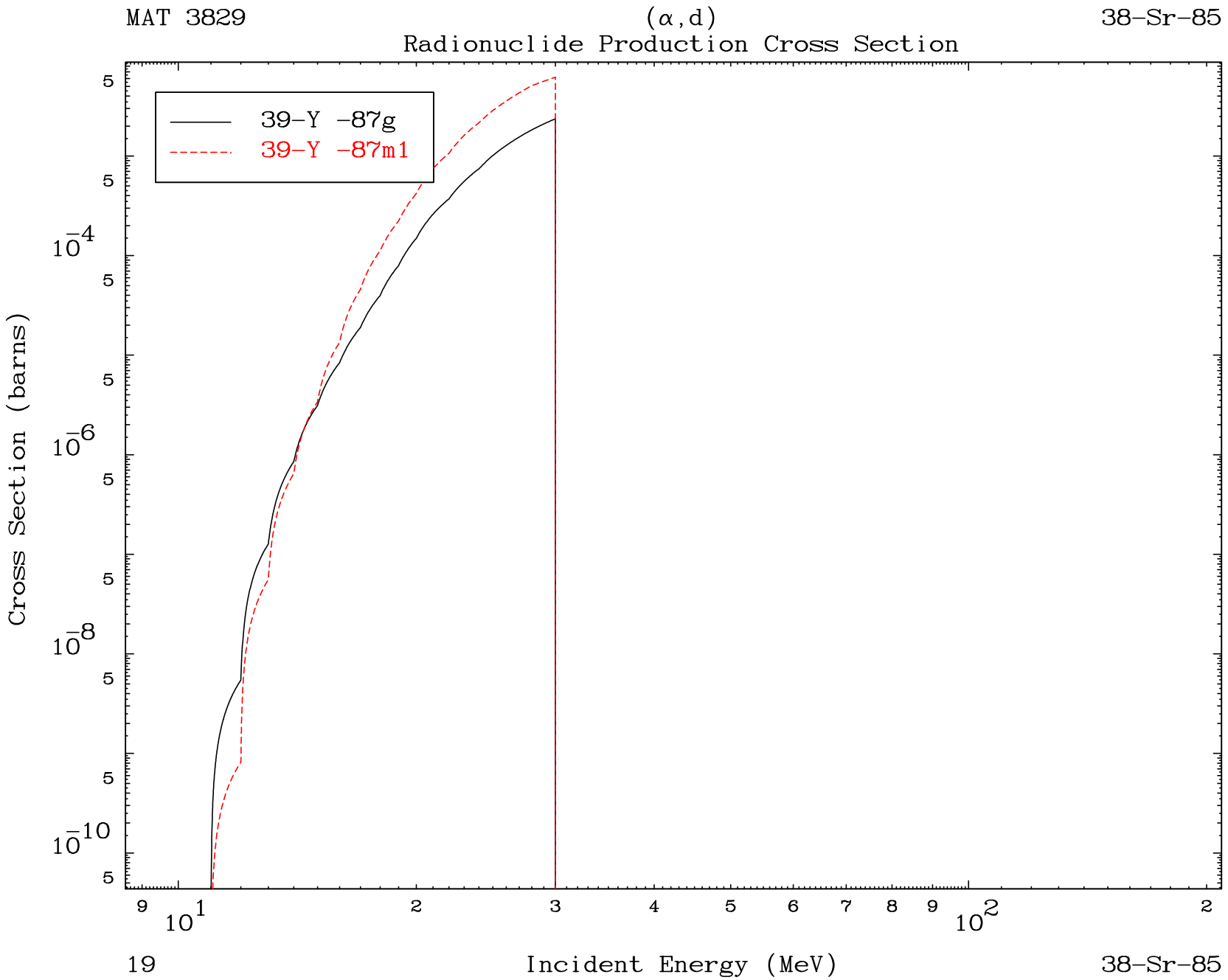

MAT 3829
(α,n') d
38-Sr-85
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
38-Sr-85

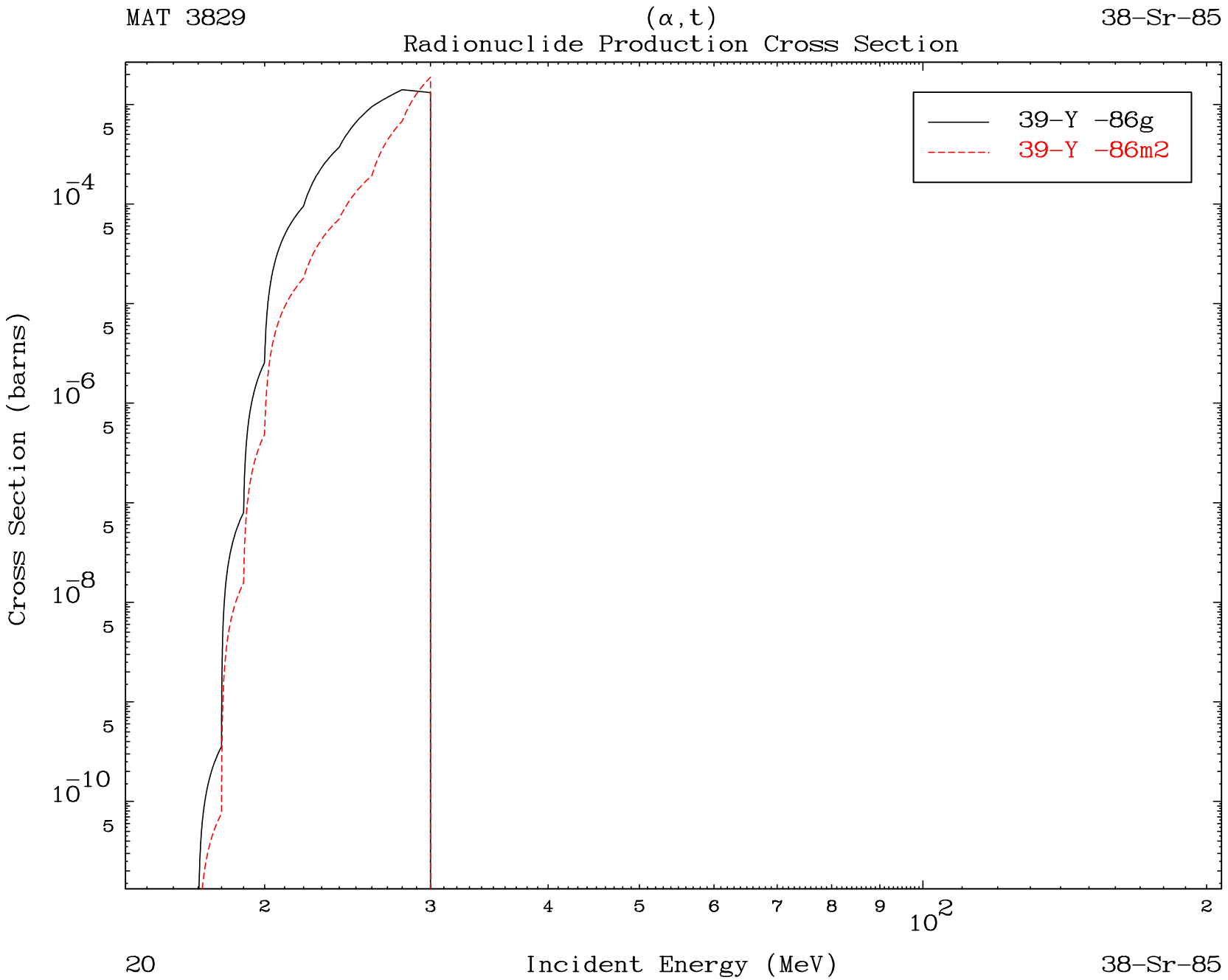

MAT 3829
(α,n') t
38-Sr-85
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
38-Sr-85

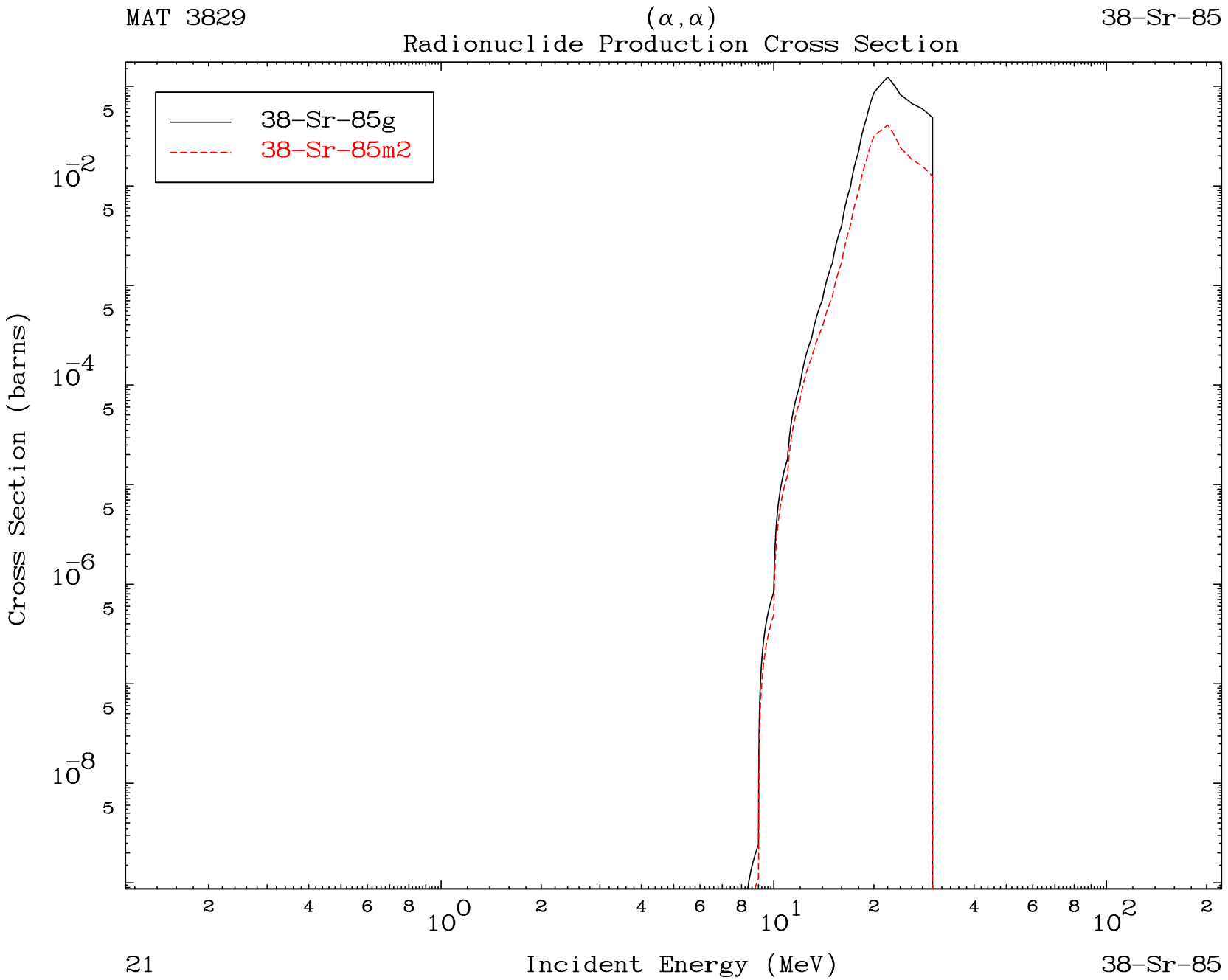

MAT 3829
(α,n') He-3
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-7
10-8
10-9
10-10
10-11
10-12
10-13
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
38-Sr-85

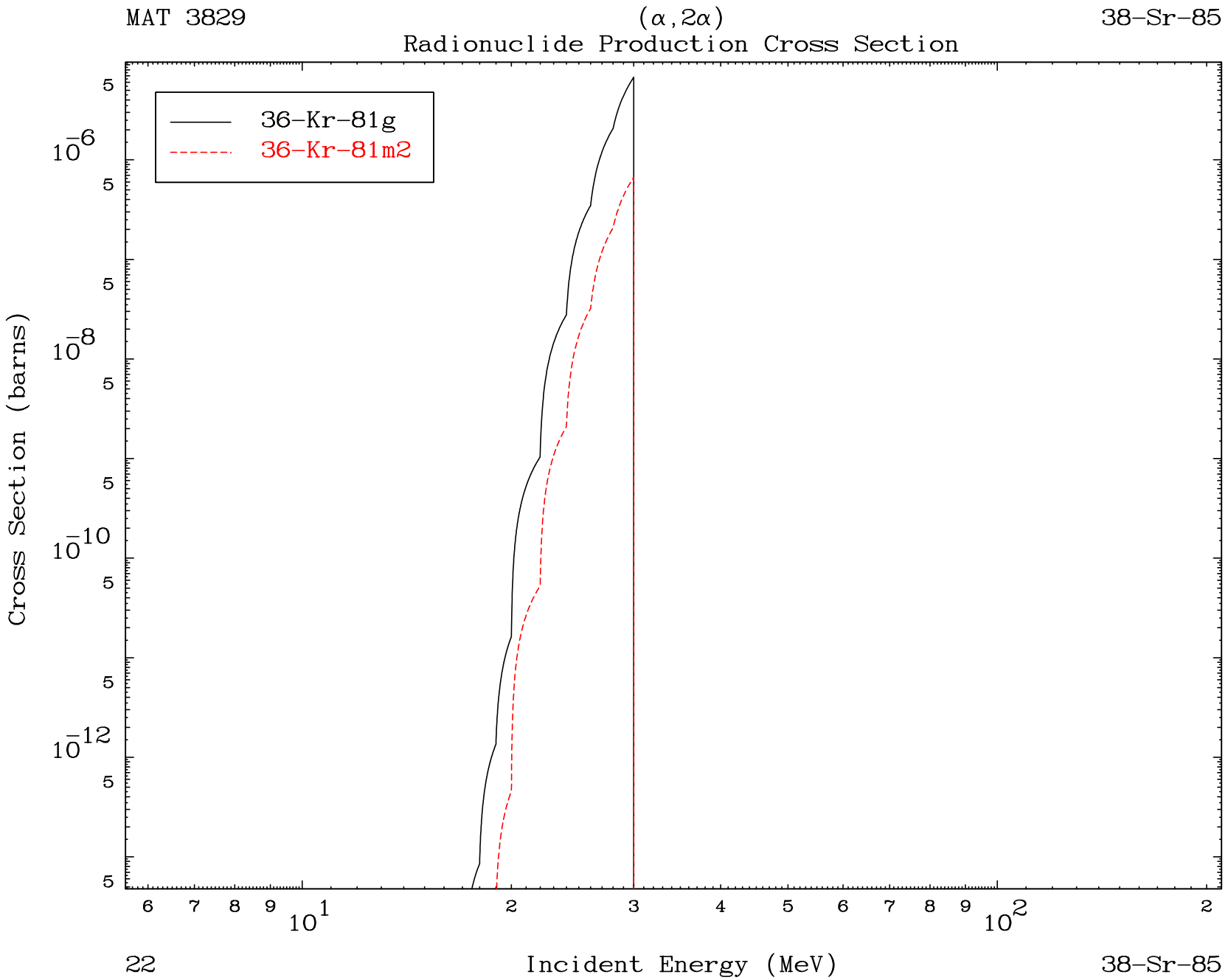

MAT 3829
(α,2n) p
38-Sr-85
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
17
38-Sr-85

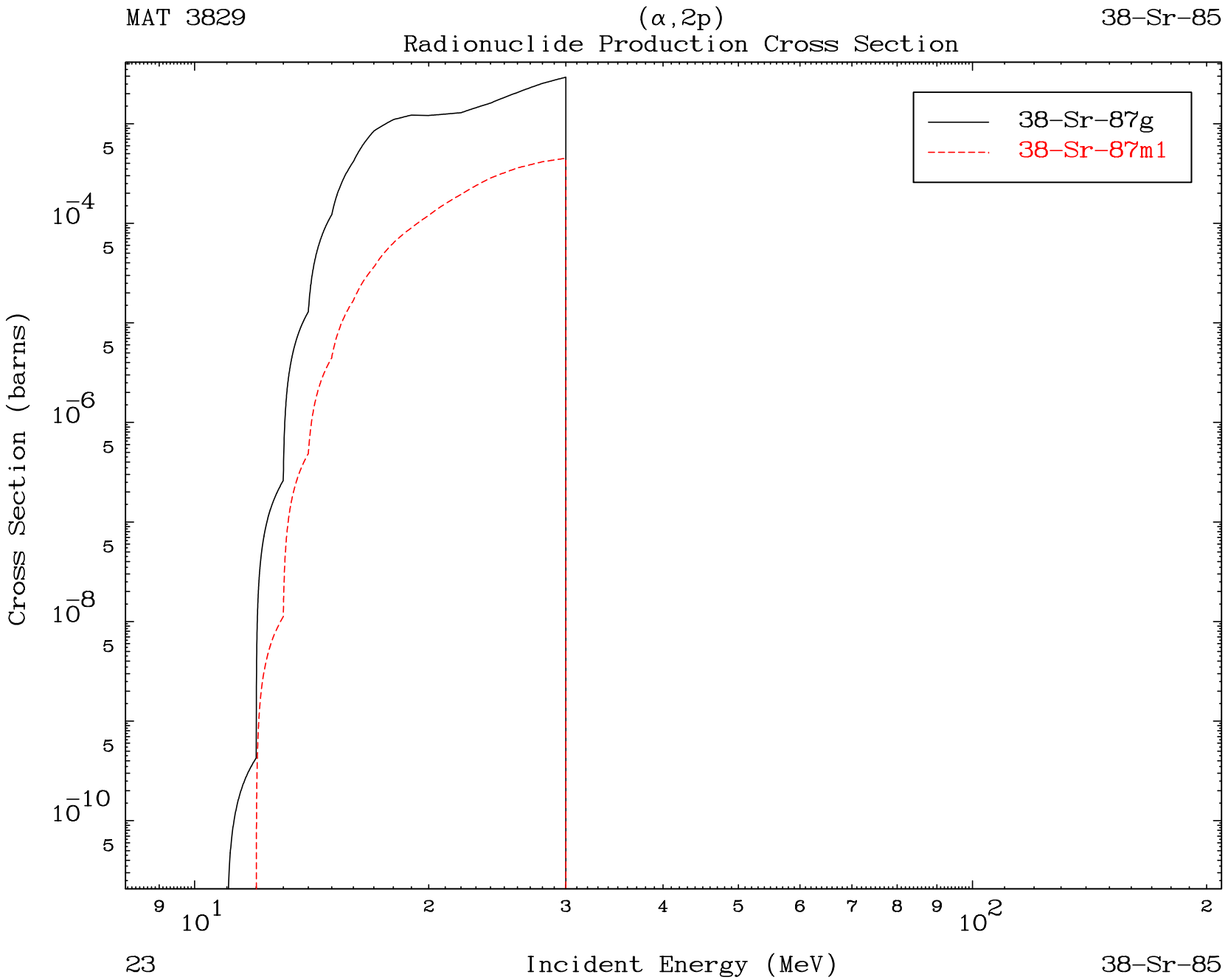

MAT 3829
(α,γ)
38-Sr-85
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
18
38-Sr-85

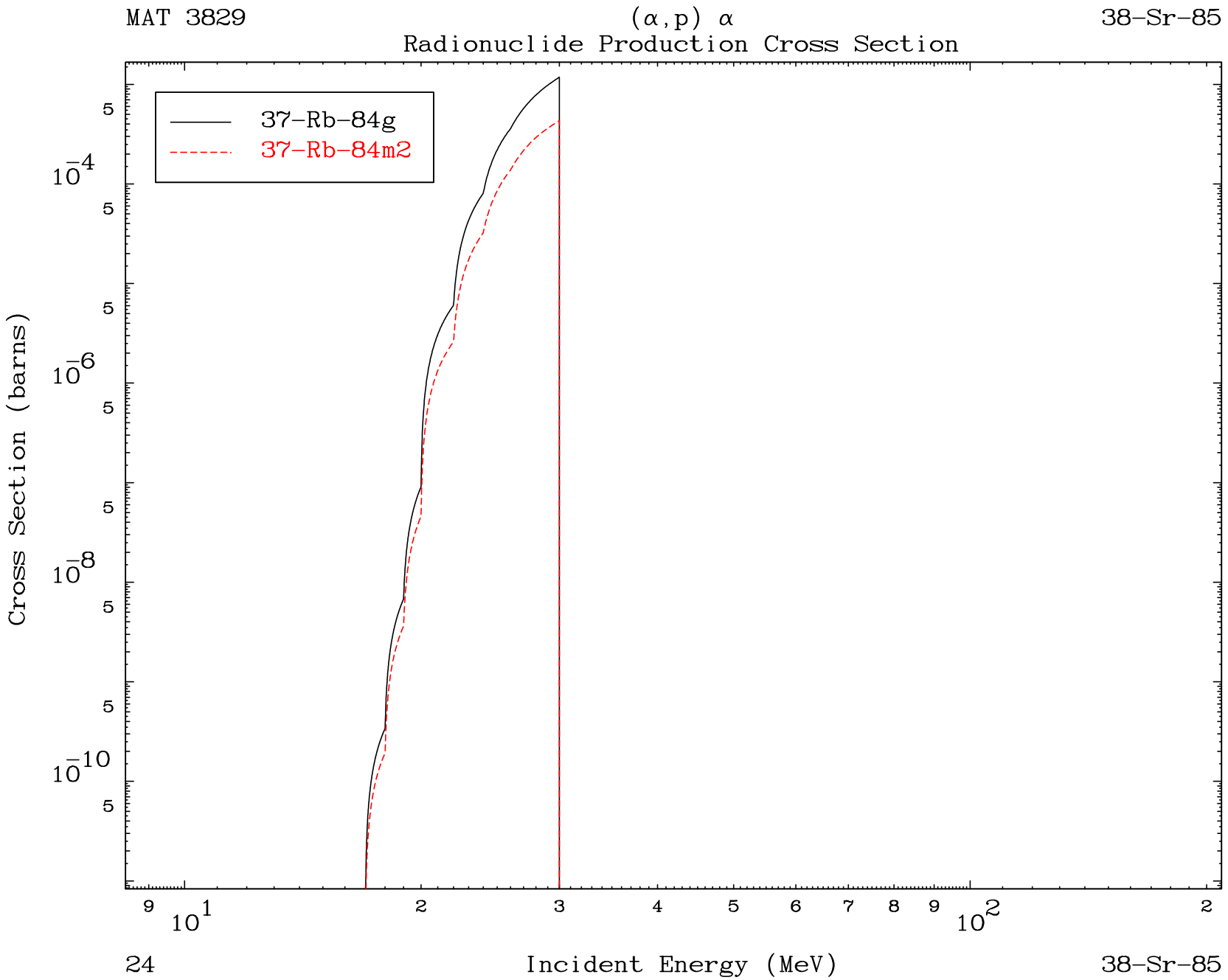

MAT 3829
(α,d)
38-Sr-85
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
19
38-Sr-85

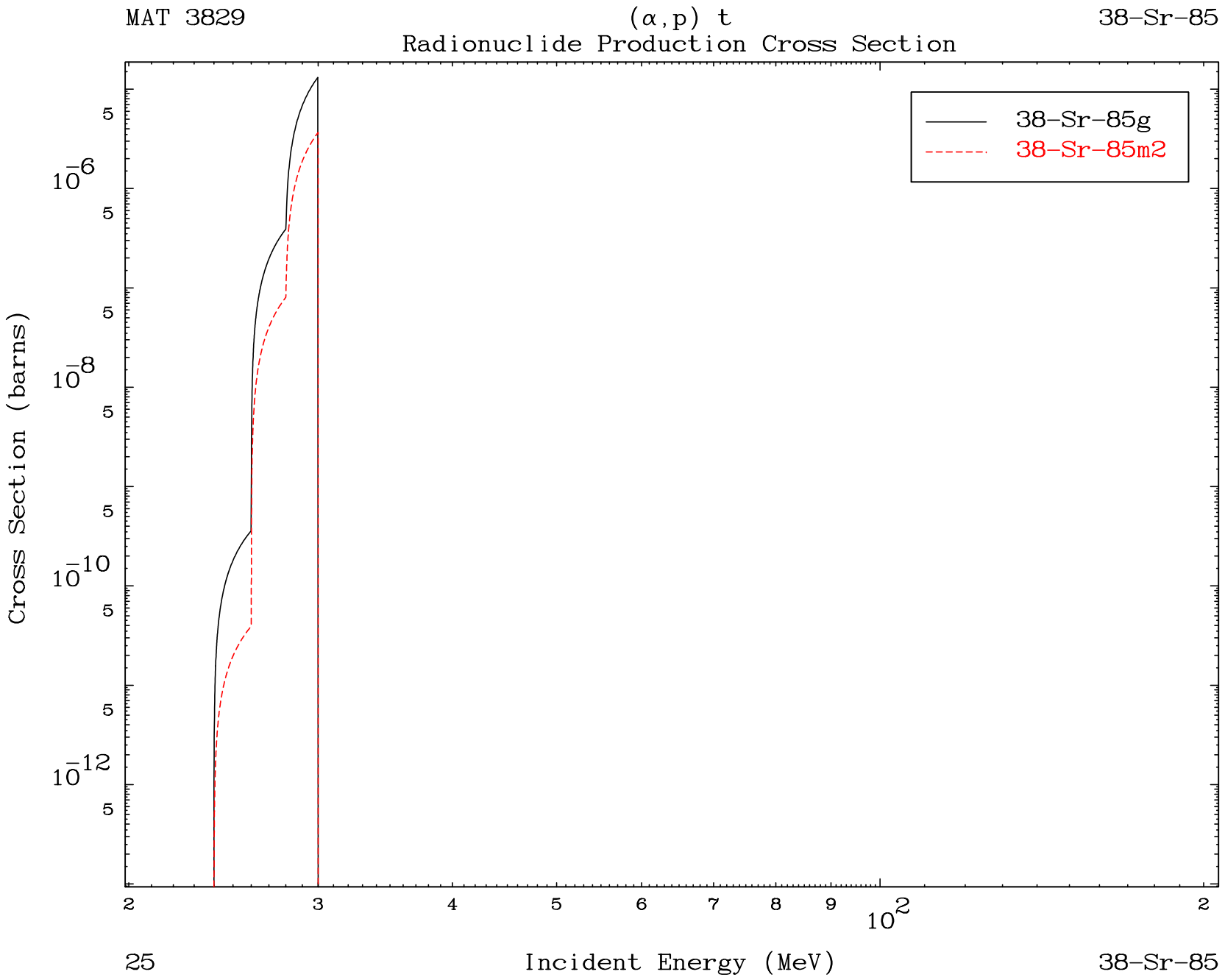

MAT 3829
(α,t)
38-Sr-85
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
38-Sr-85


MAT 3829
(α,α)
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
21
Incident Energy (MeV)
38-Sr-85


MAT 3829
(α,2α)
38-Sr-85
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
22
38-Sr-85


MAT 3829
(α,2p)
38-Sr-85
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
38-Sr-85


MAT 3829
(α,p) α
38-Sr-85
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
38-Sr-85


MAT 3829
(α,p) t
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
25
Incident Energy (MeV)
38-Sr-85