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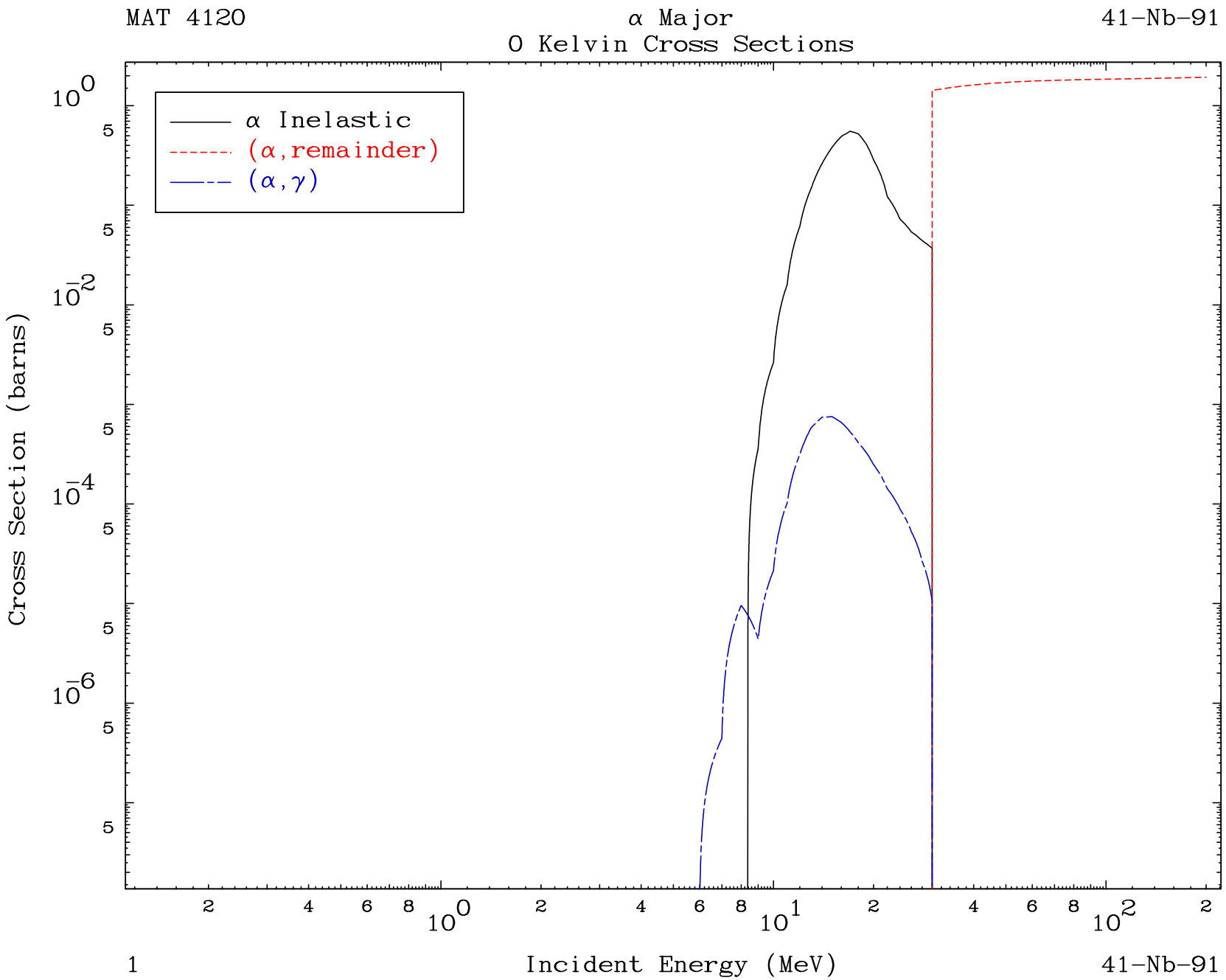
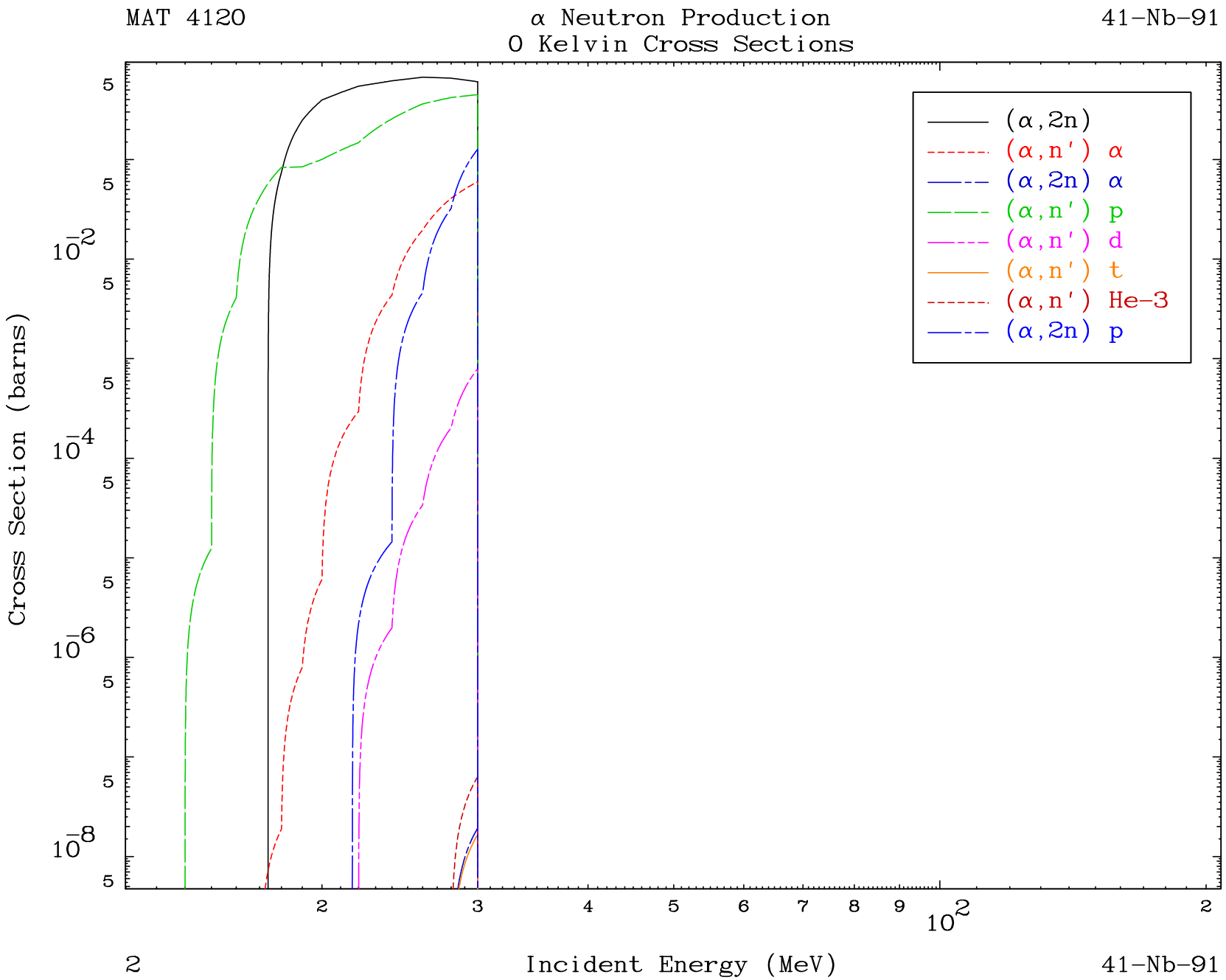
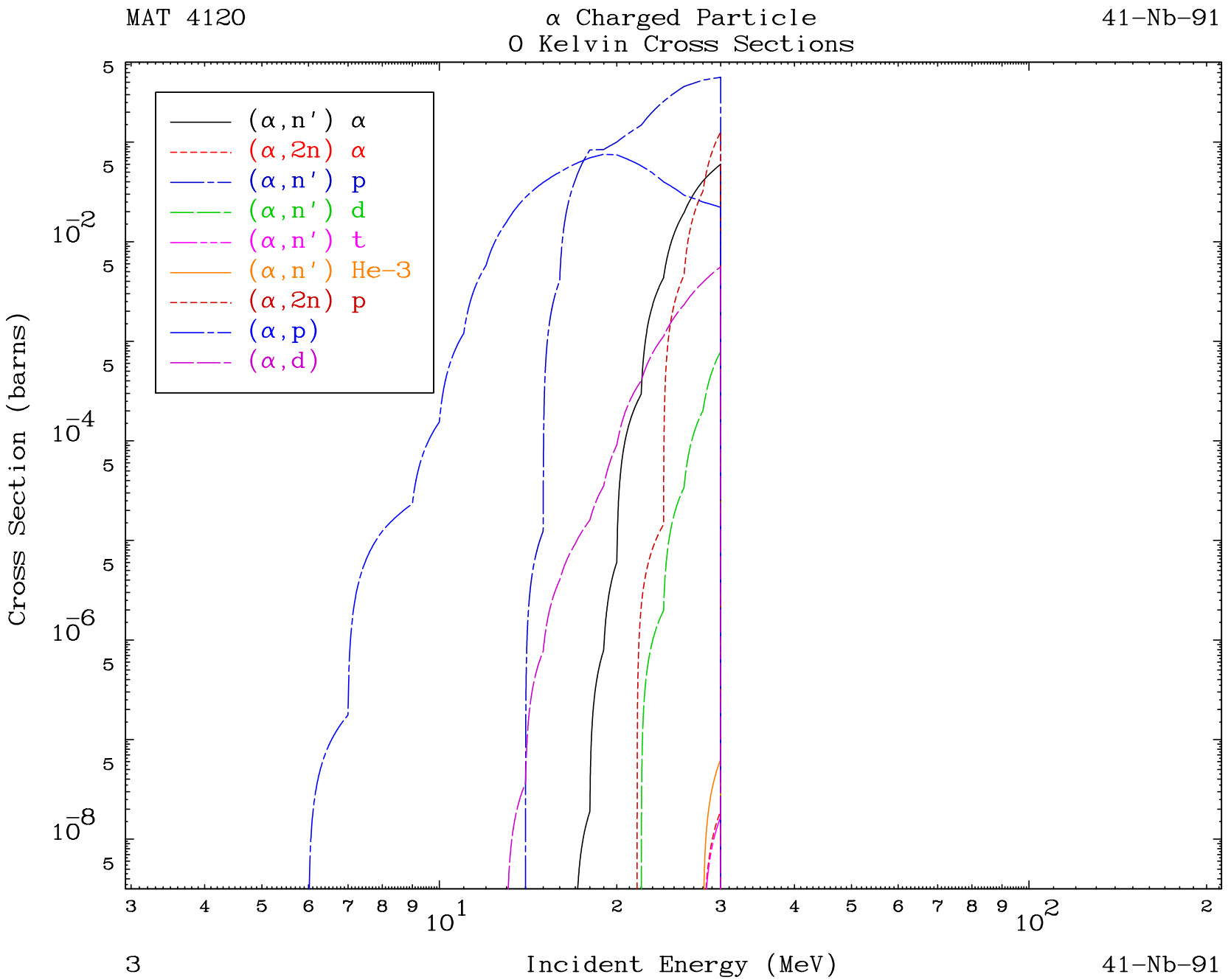
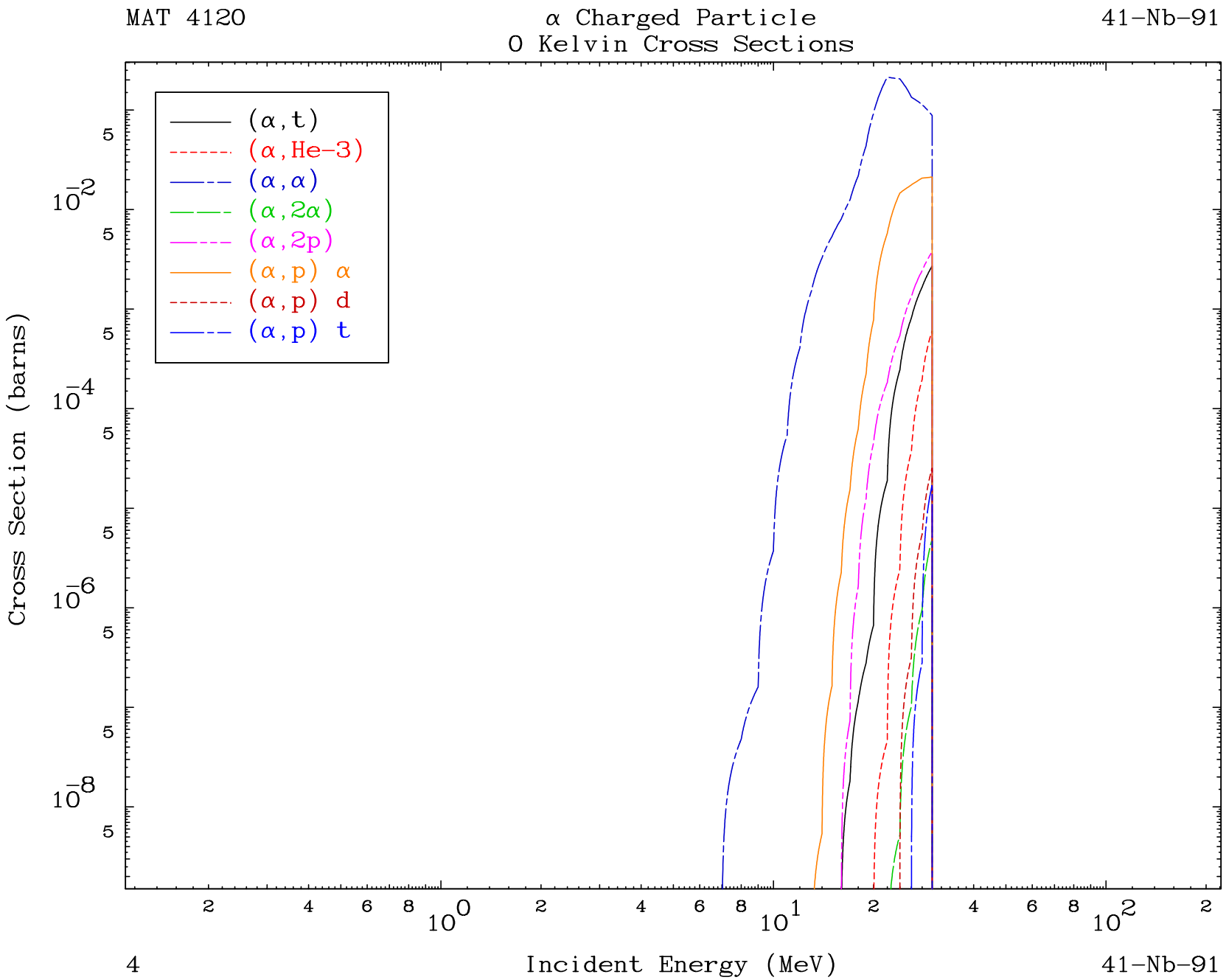
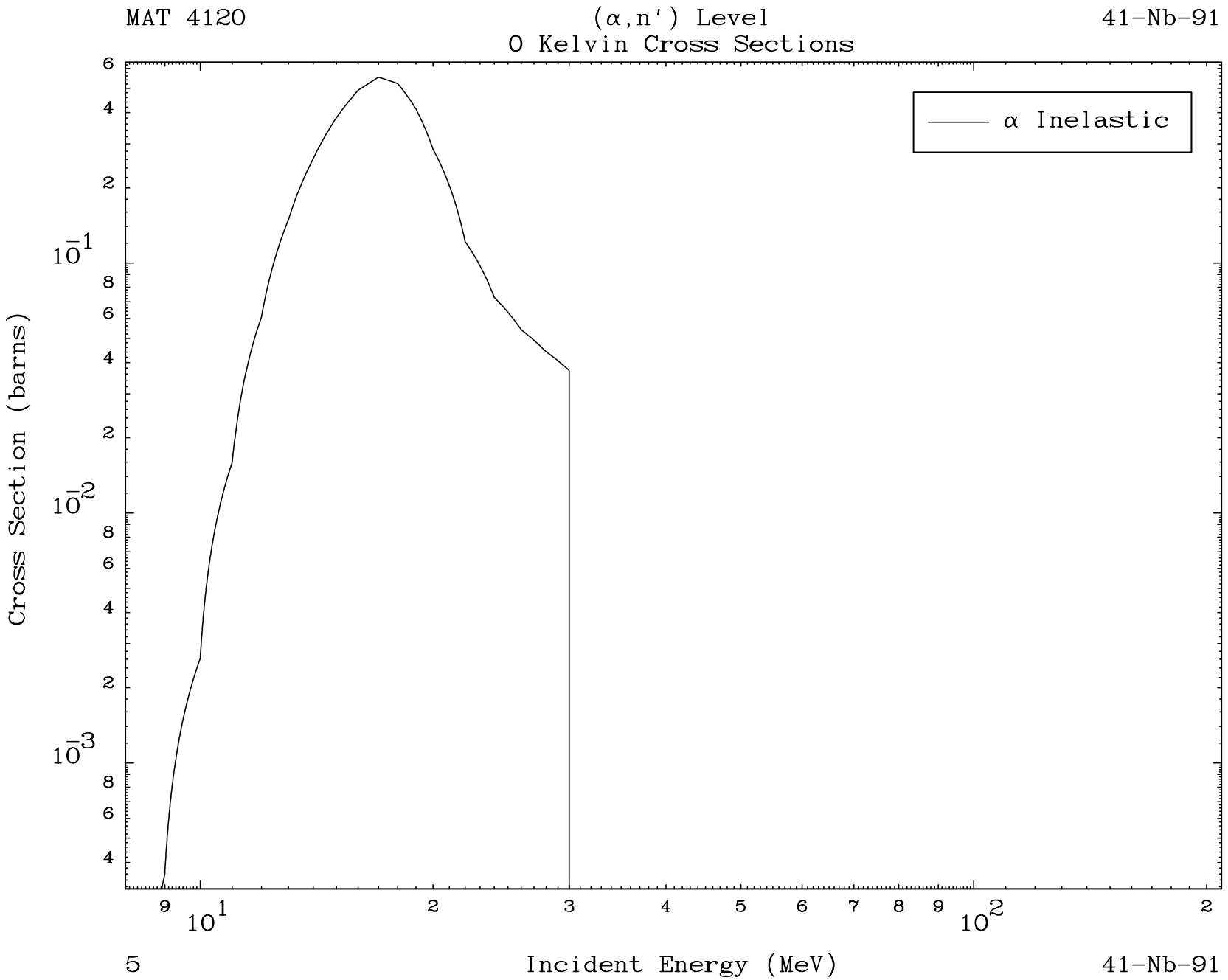
Press Mouse Button to Start

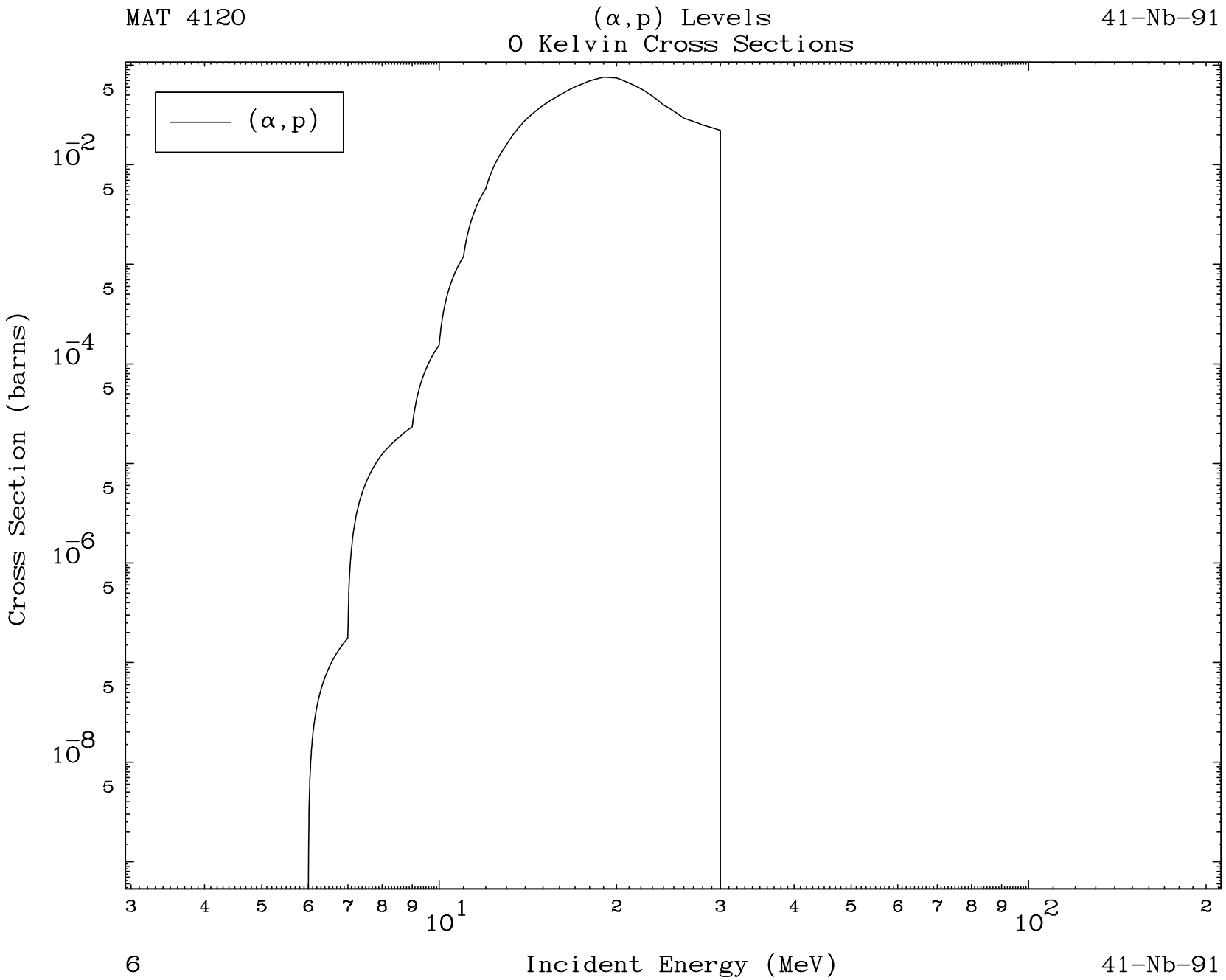

MAT 4120
α Major
41-Nb-91
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-91
1

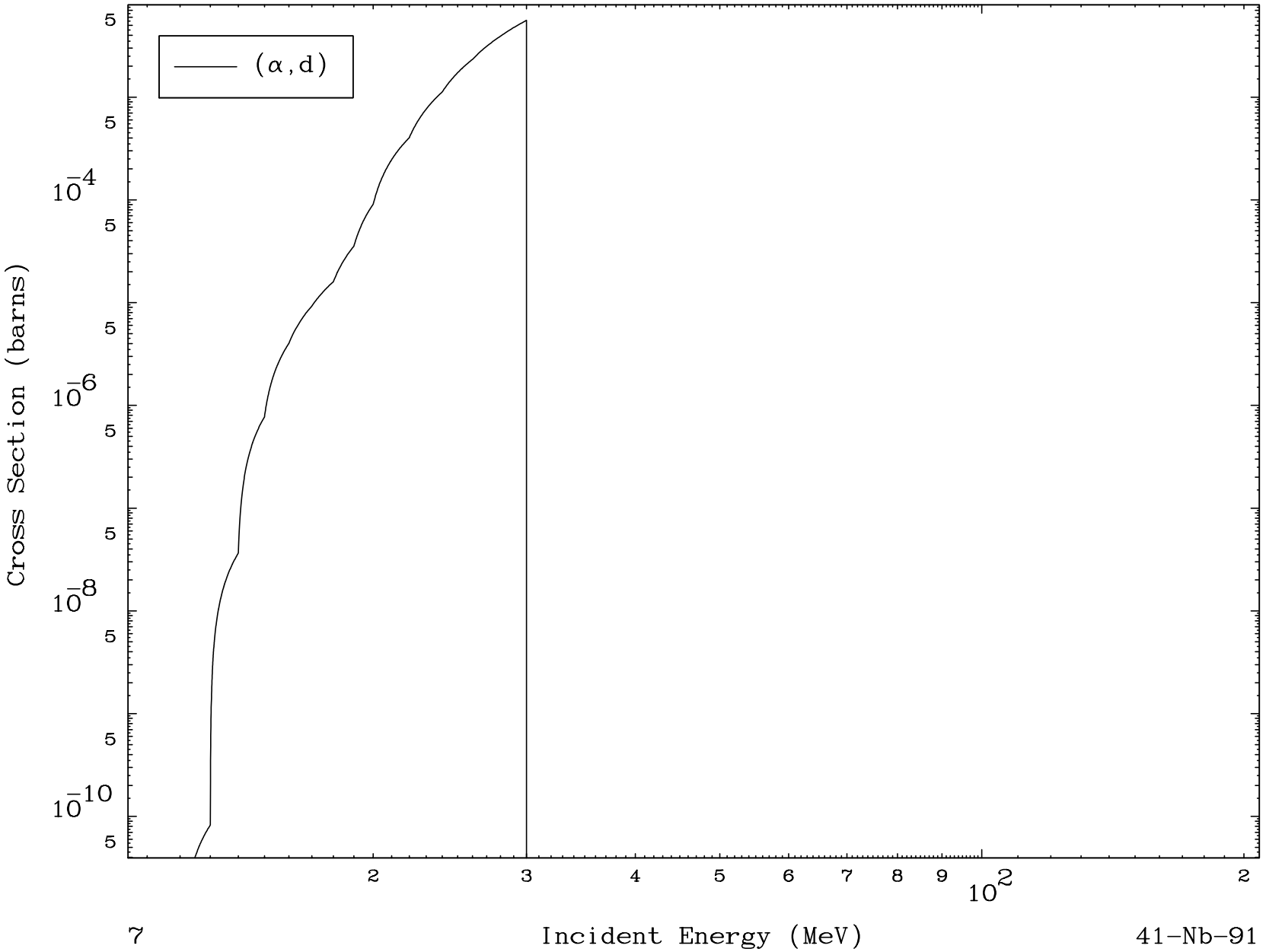

MAT 4120
α Neutron Production
0 Kelvin Cross Sections
41-Nb-91
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
2
41-Nb-91

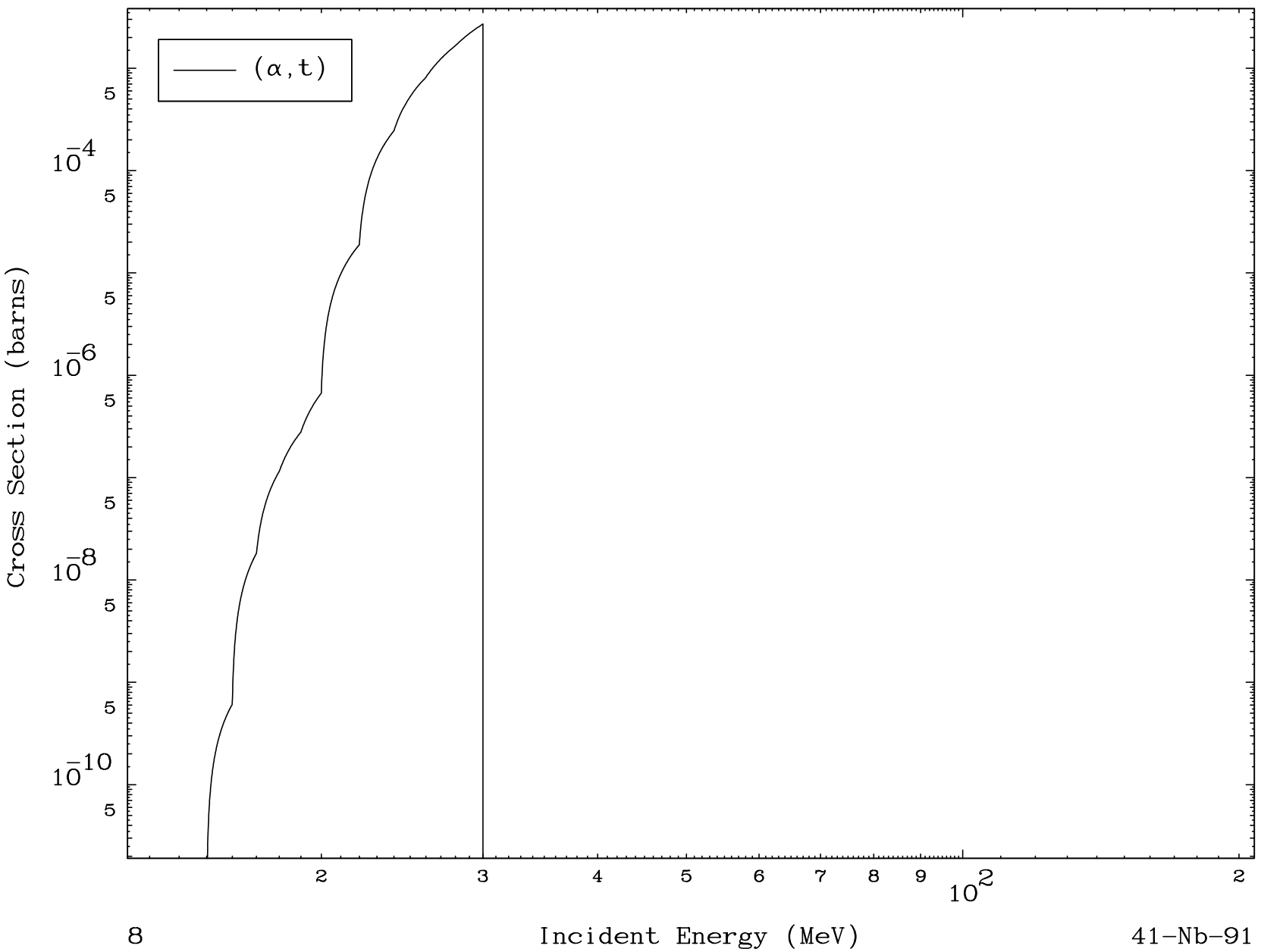

MAT 4120
α Charged Particle
0 Kelvin Cross Sections
41-Nb-91
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-91
3

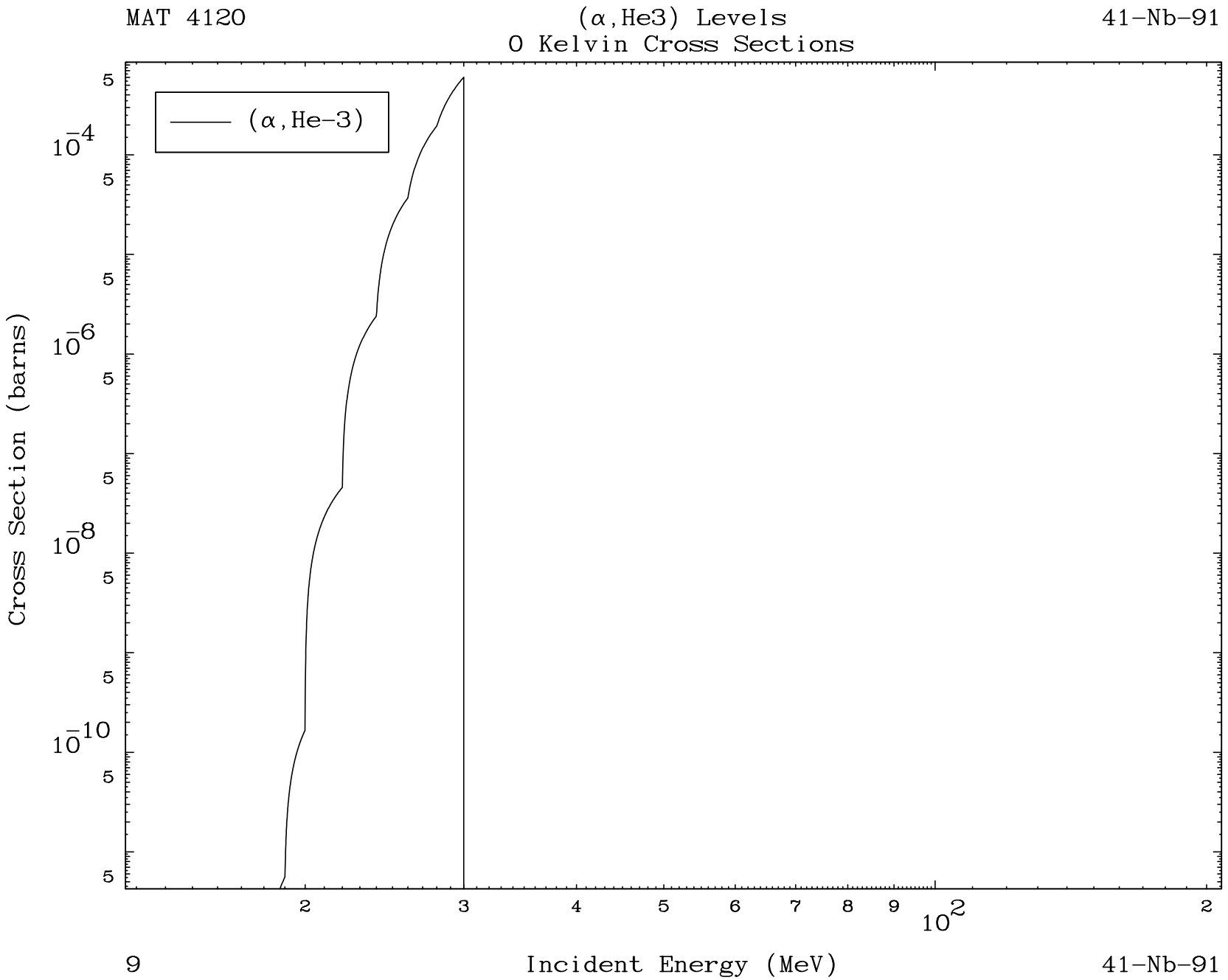

MAT 4120
α Charged Particle
0 Kelvin Cross Sections
41-Nb-91
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
41-Nb-91

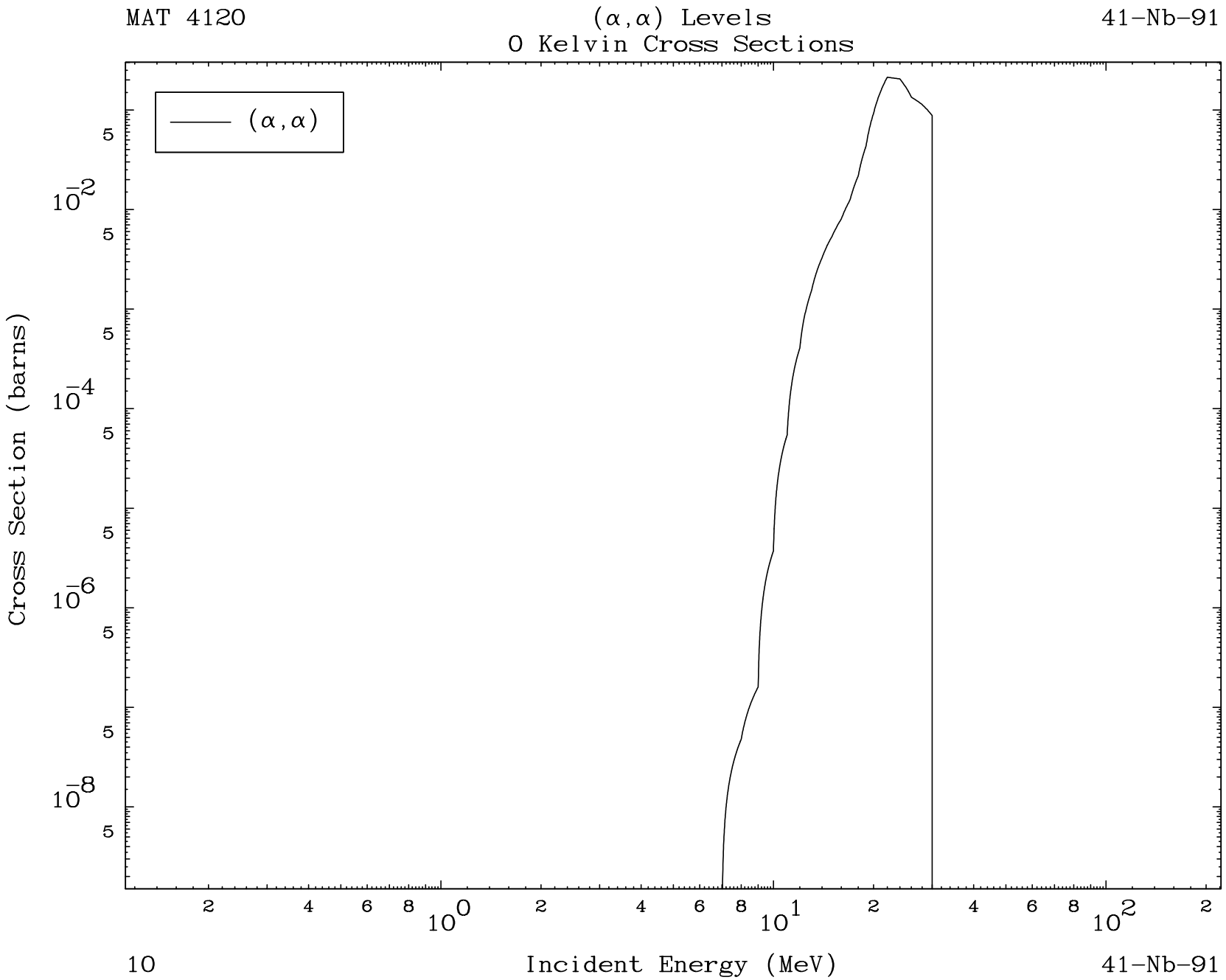

MAT 4120
(α,n') Level
41-Nb-91
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
41-Nb-91

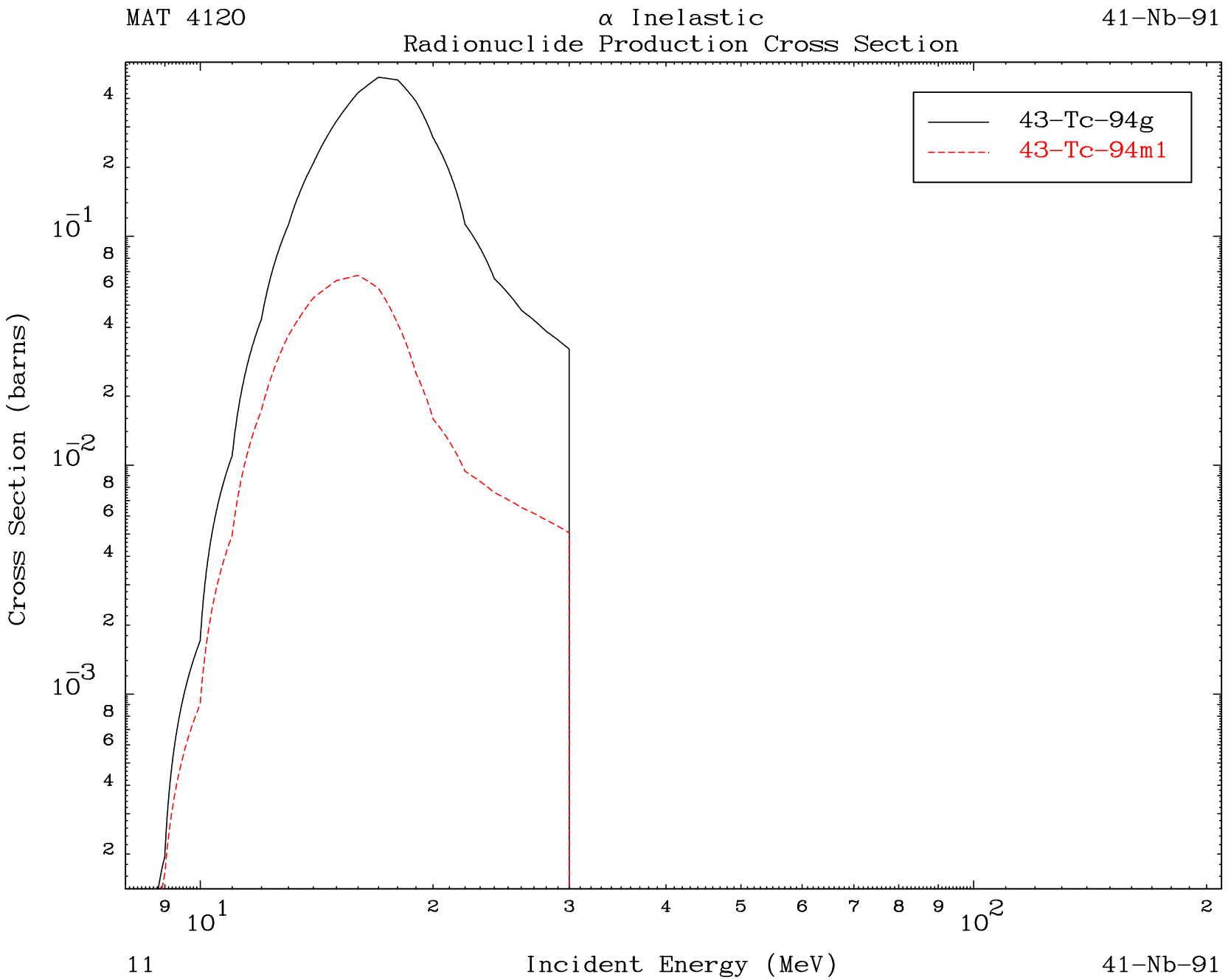

MAT 4120
(α,p) Levels
41-Nb-91
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
41-Nb-91

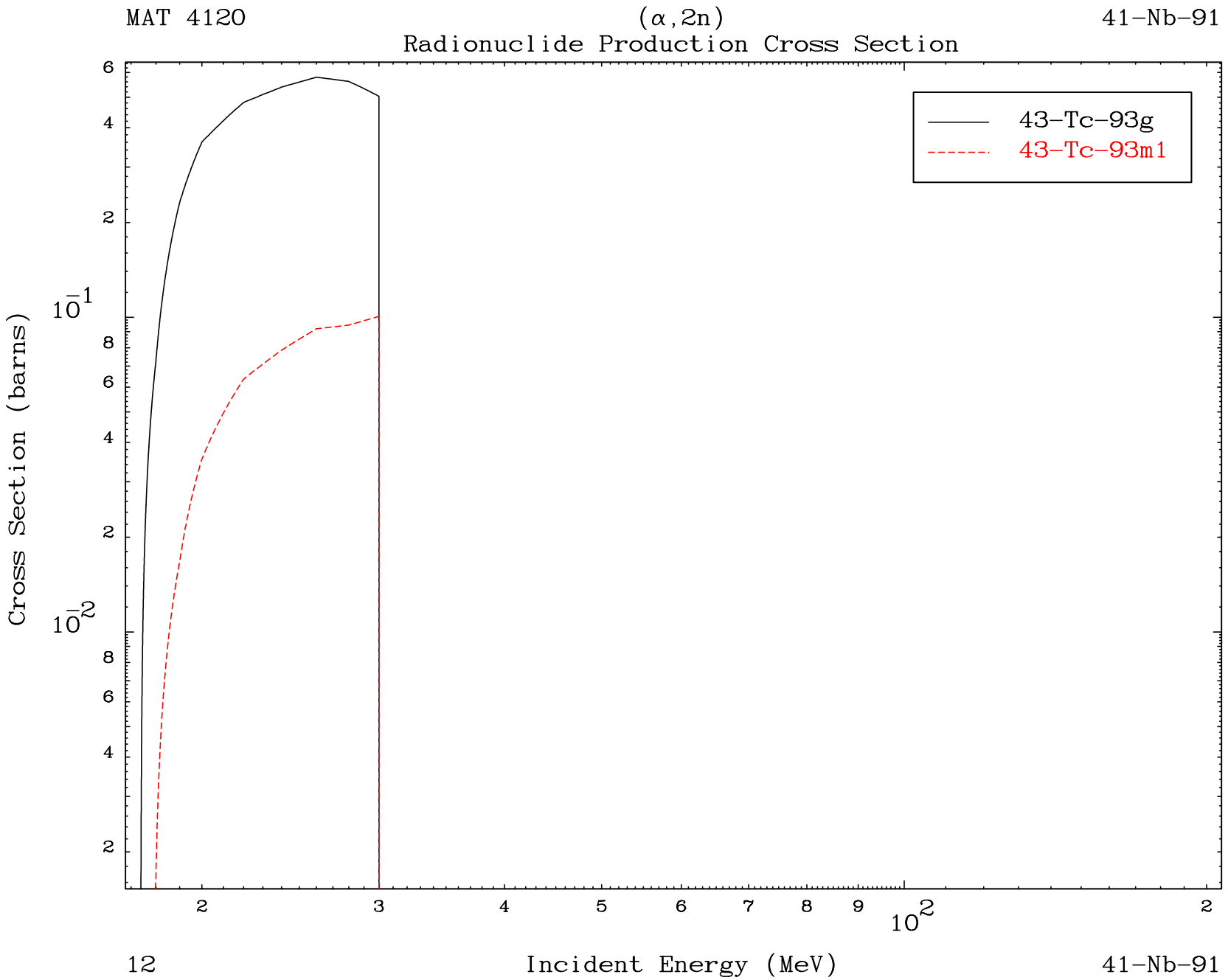

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

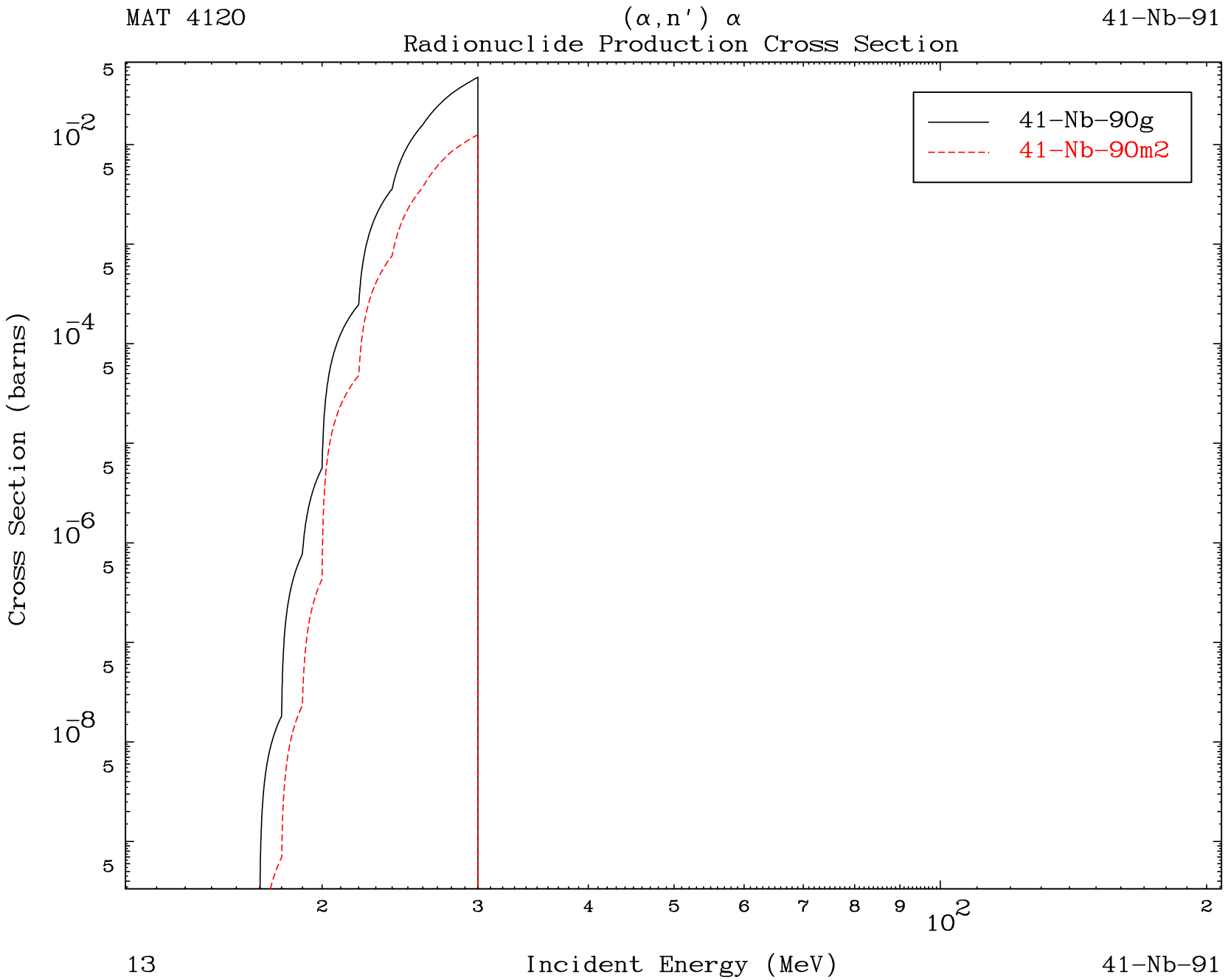

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

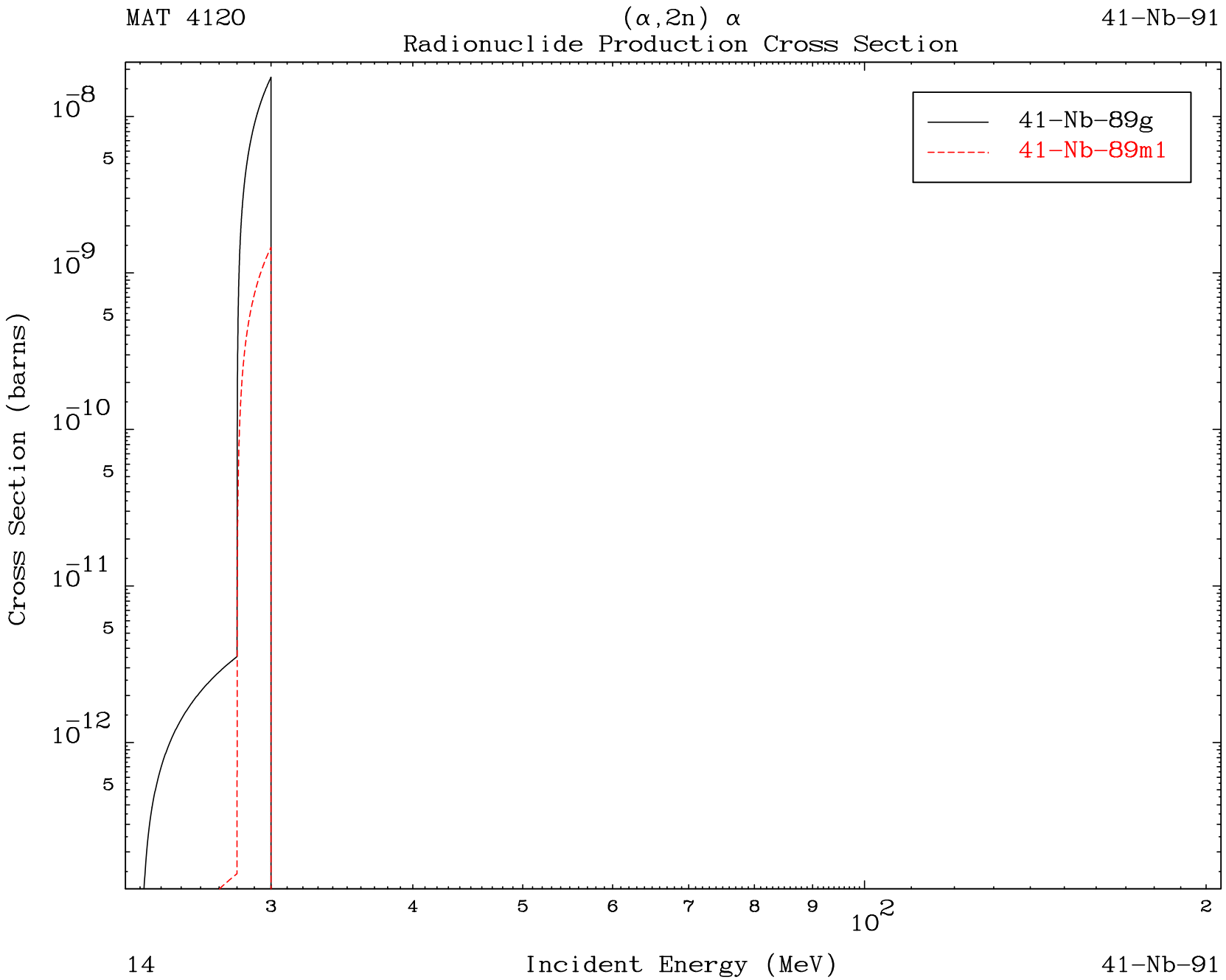

MAT 4120
(α,He3) Levels
41-Nb-91
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
41-Nb-91

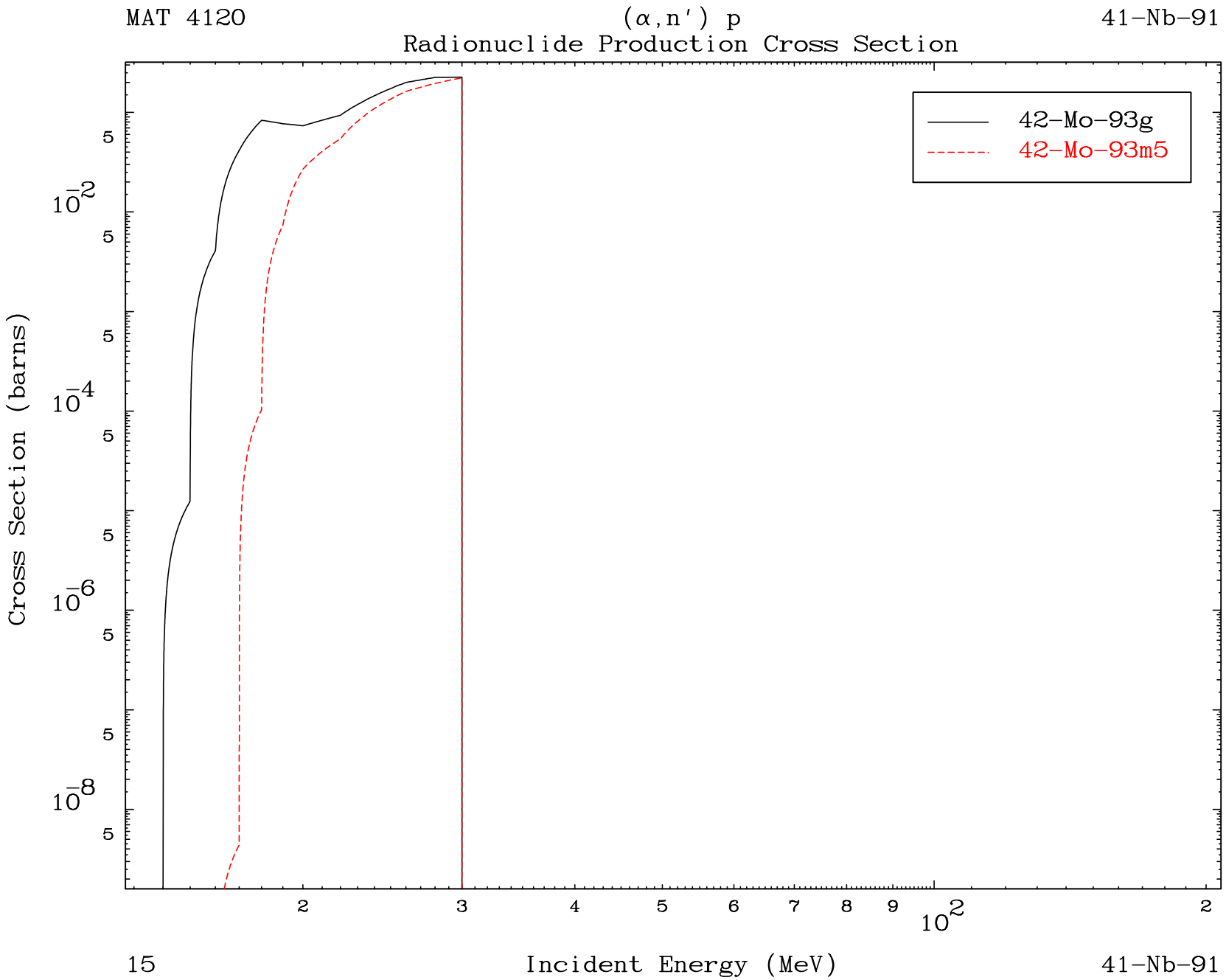

MAT 4120
(α,α) Levels
41-Nb-91
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
41-Nb-91

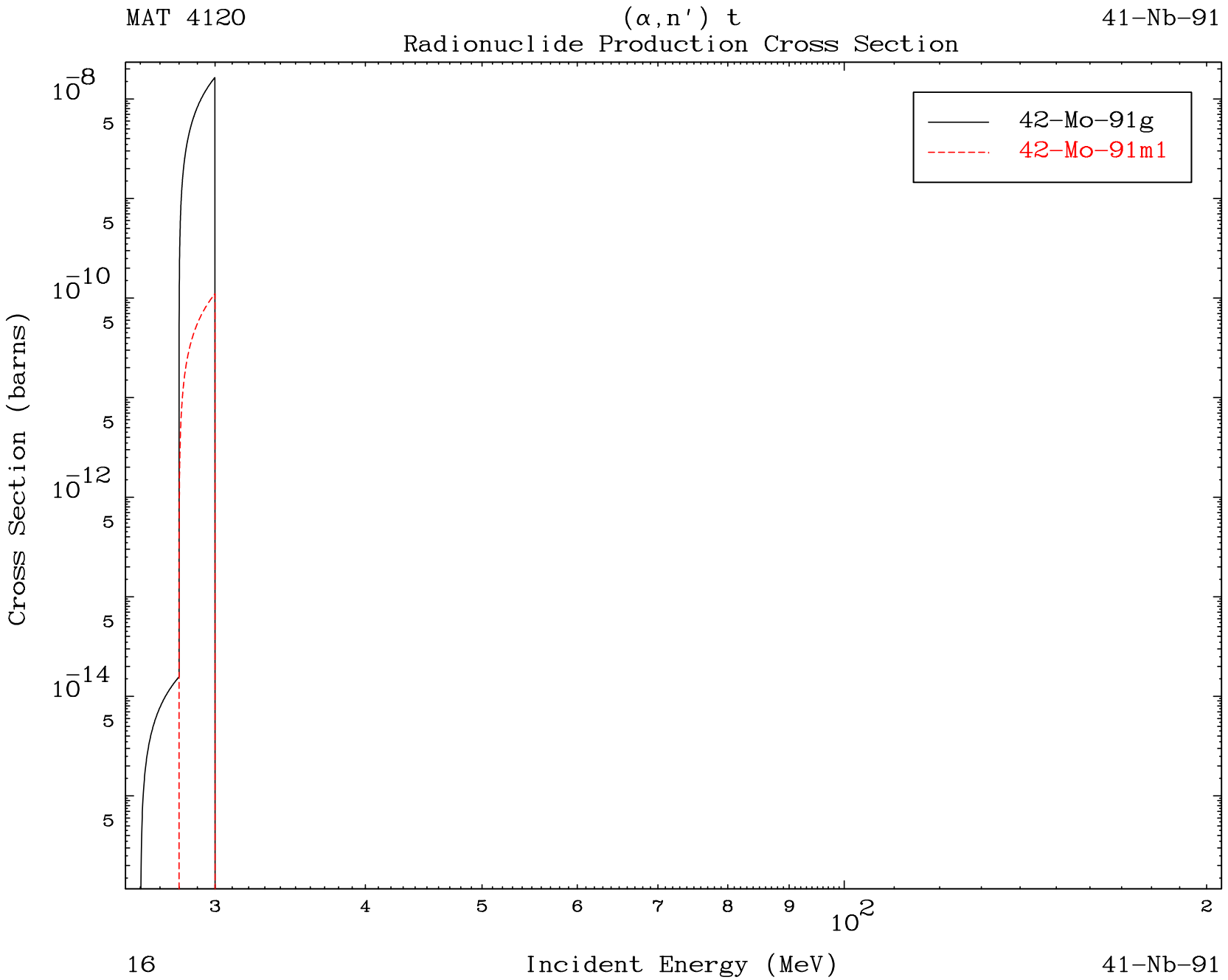

MAT 4120
α Inelastic
41-Nb-91
Radionuclide Production Cross Section
43-Tc-94g
43-Tc-94m1
Cross Section (barns)
Incident Energy (MeV)
11
41-Nb-91

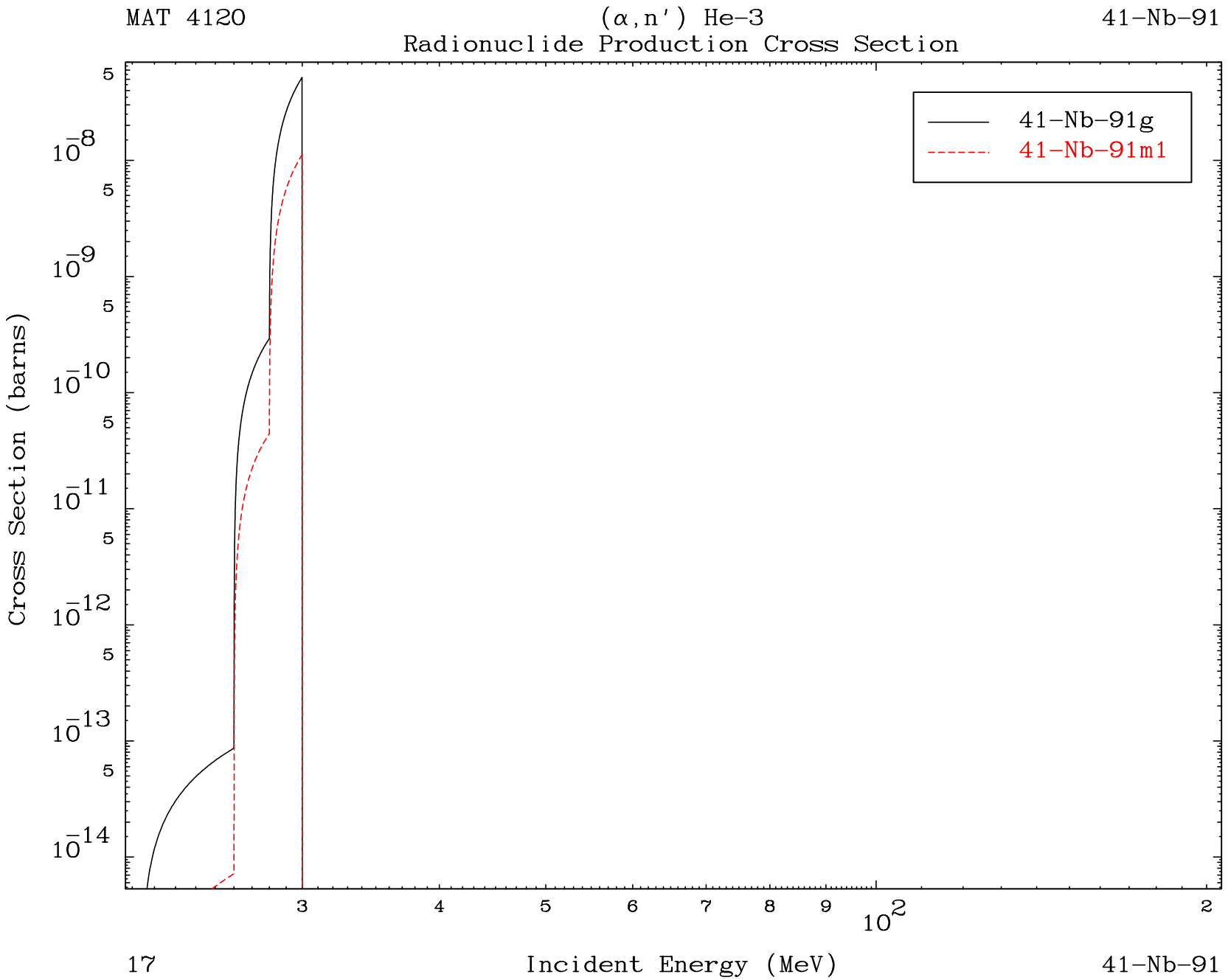

MAT 4120
(α,2n)
41-Nb-91
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
12
41-Nb-91

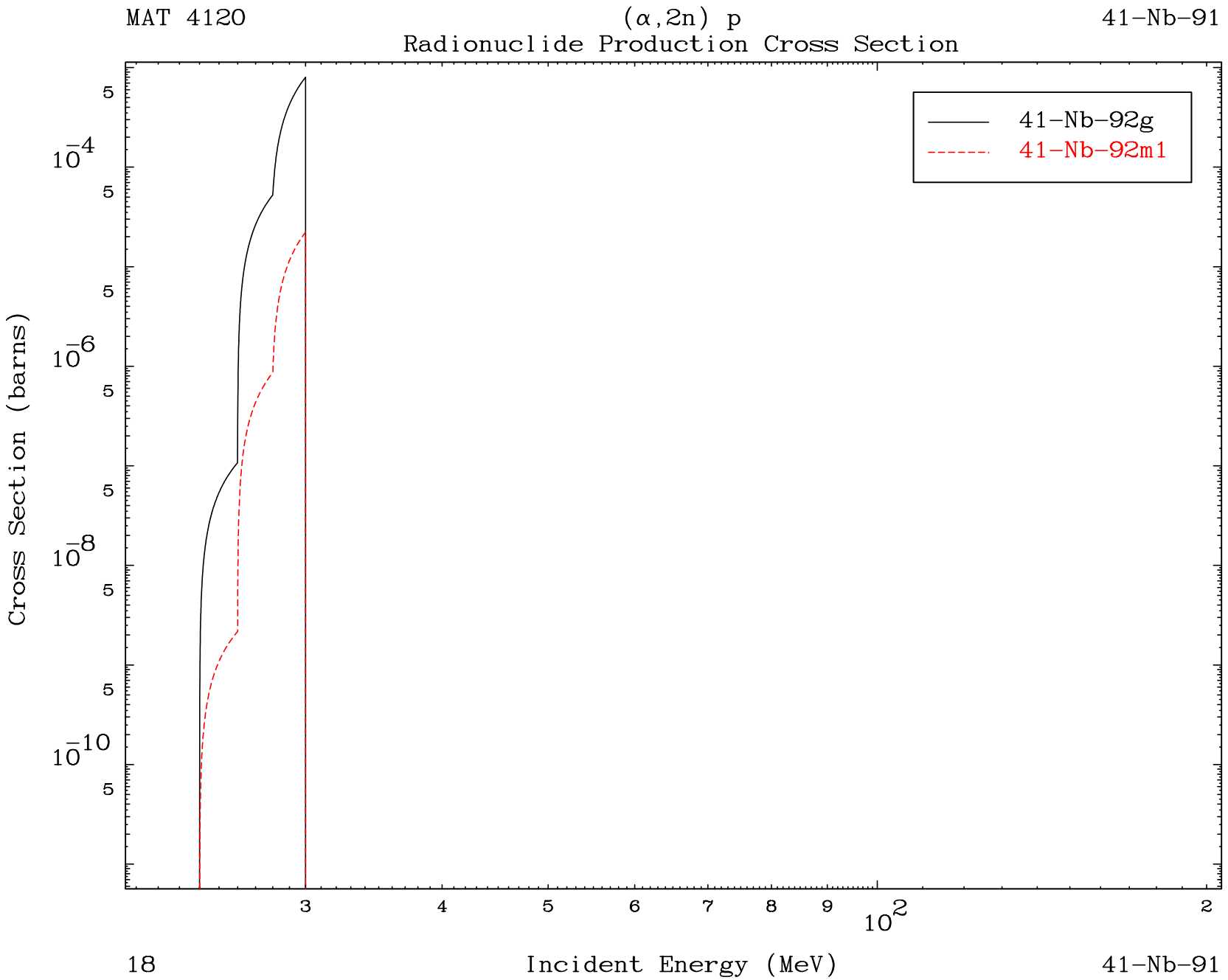

MAT 4120
(α,n') α
41-Nb-91
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
41-Nb-91

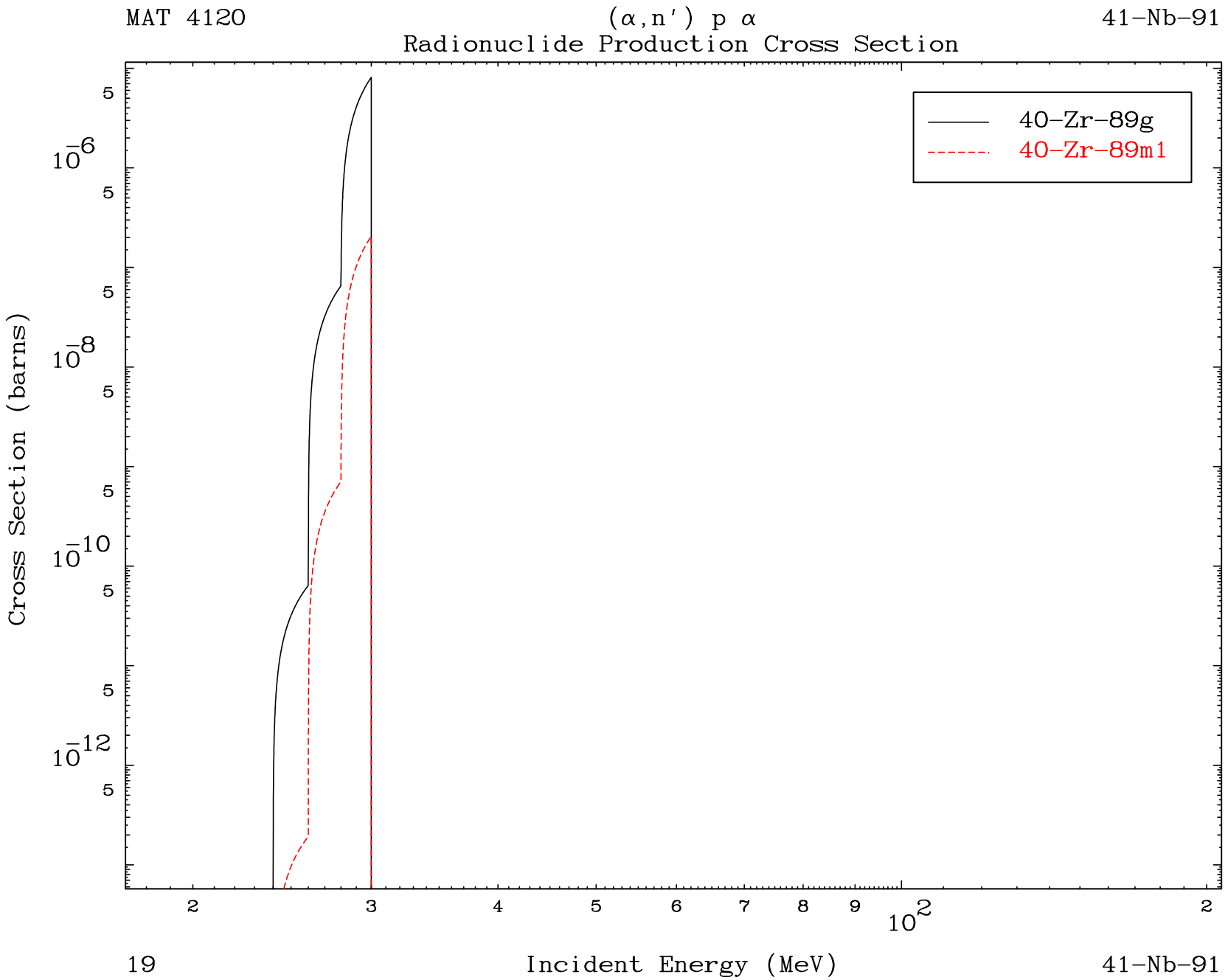

MAT 4120
(α,2n) α
41-Nb-91
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
10-8
5
10-9
5
10-10
5
10-11
5
10-12
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
41-Nb-91

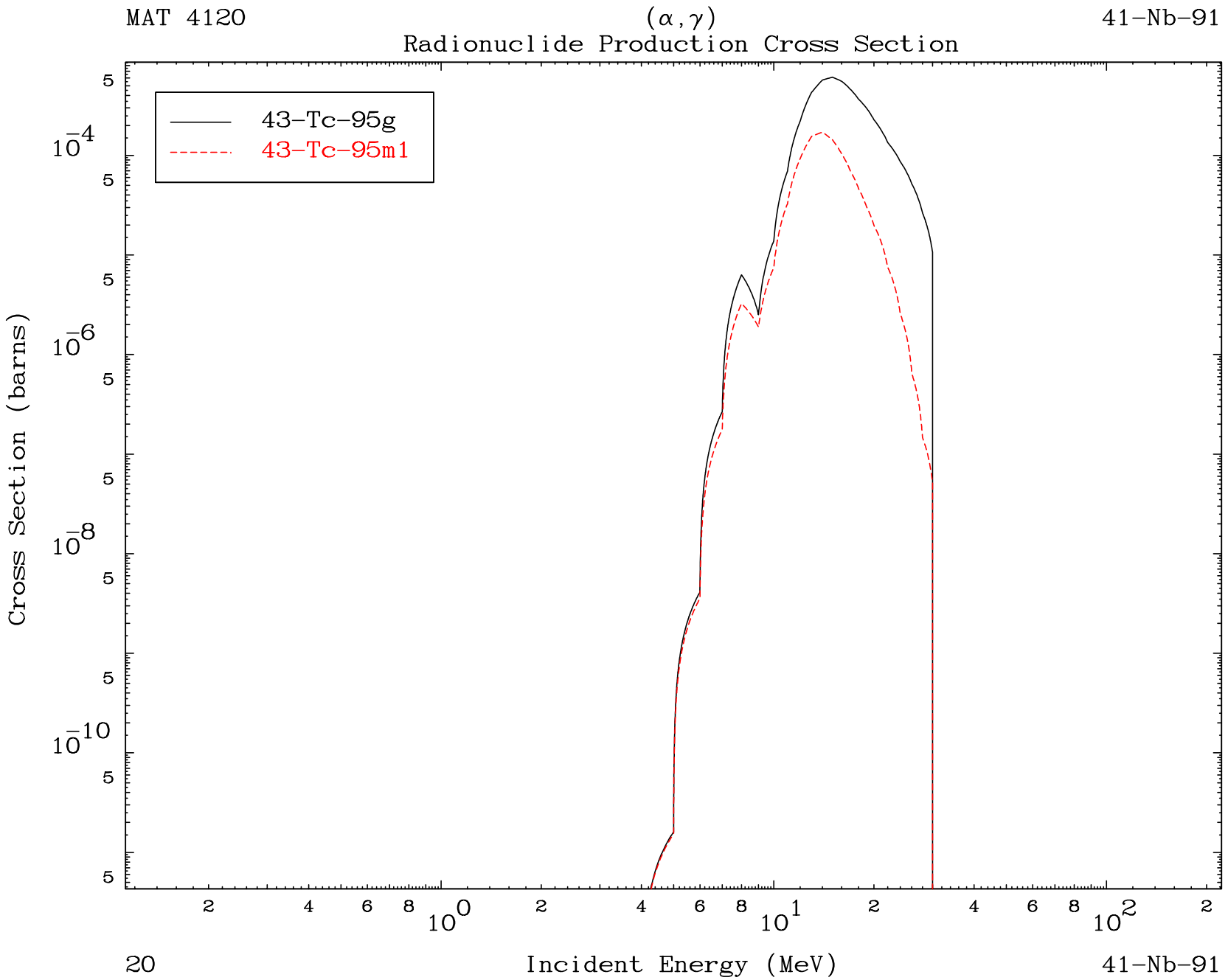

MAT 4120
(α,n') p
41-Nb-91
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m5
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
41-Nb-91

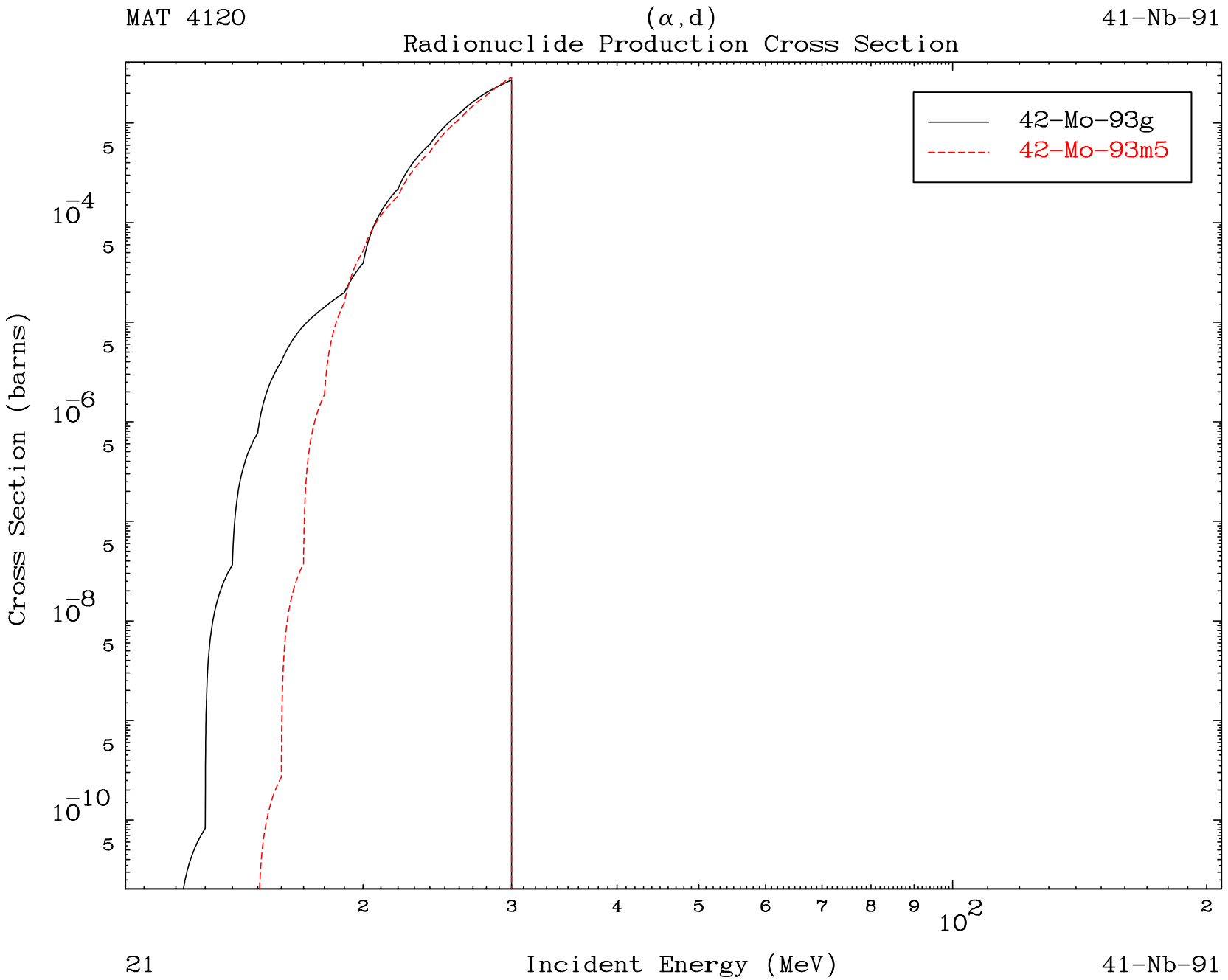

MAT 4120
(α,n') t
41-Nb-91
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
41-Nb-91

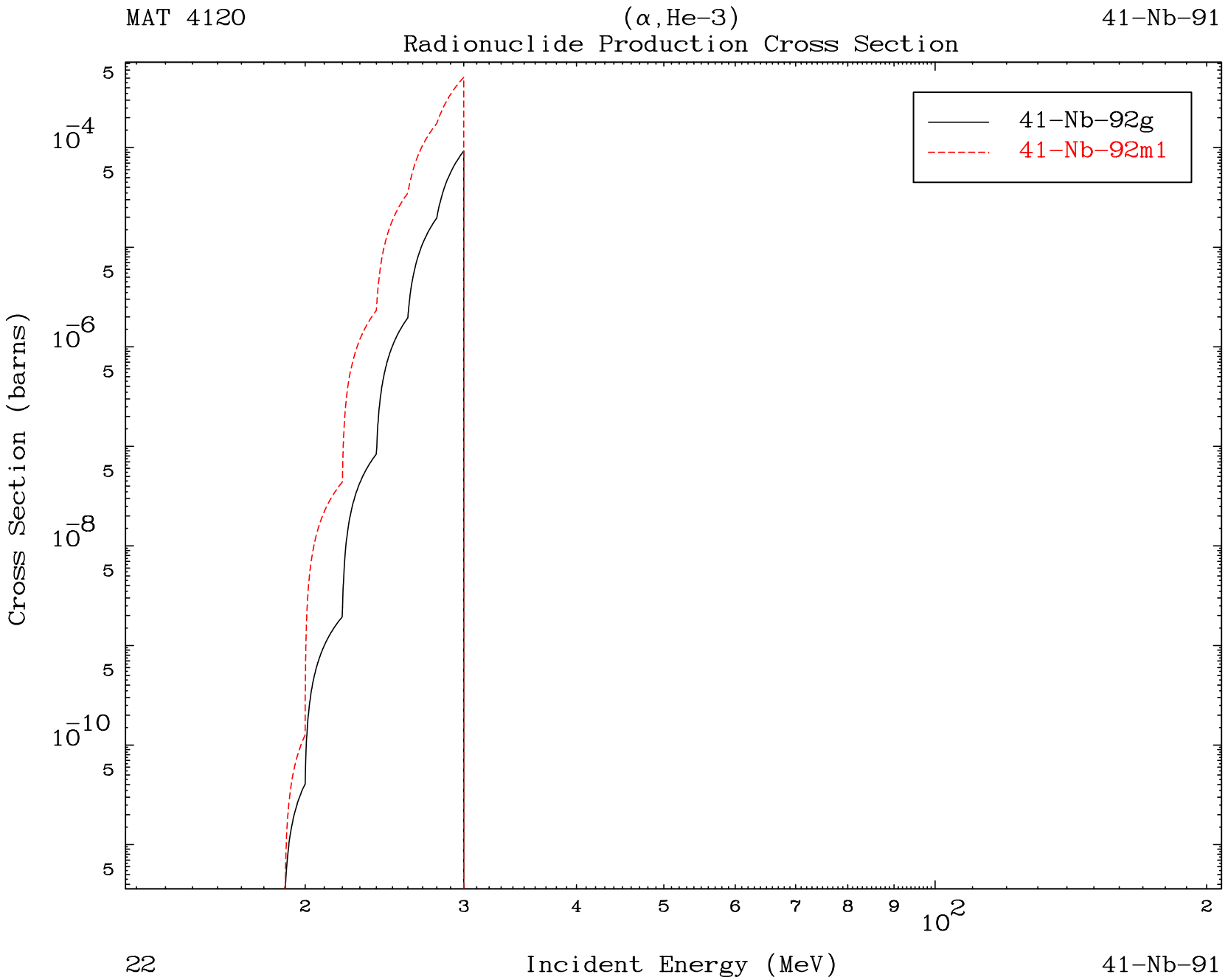

MAT 4120
(α,n') He-3
41-Nb-91
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
17
41-Nb-91

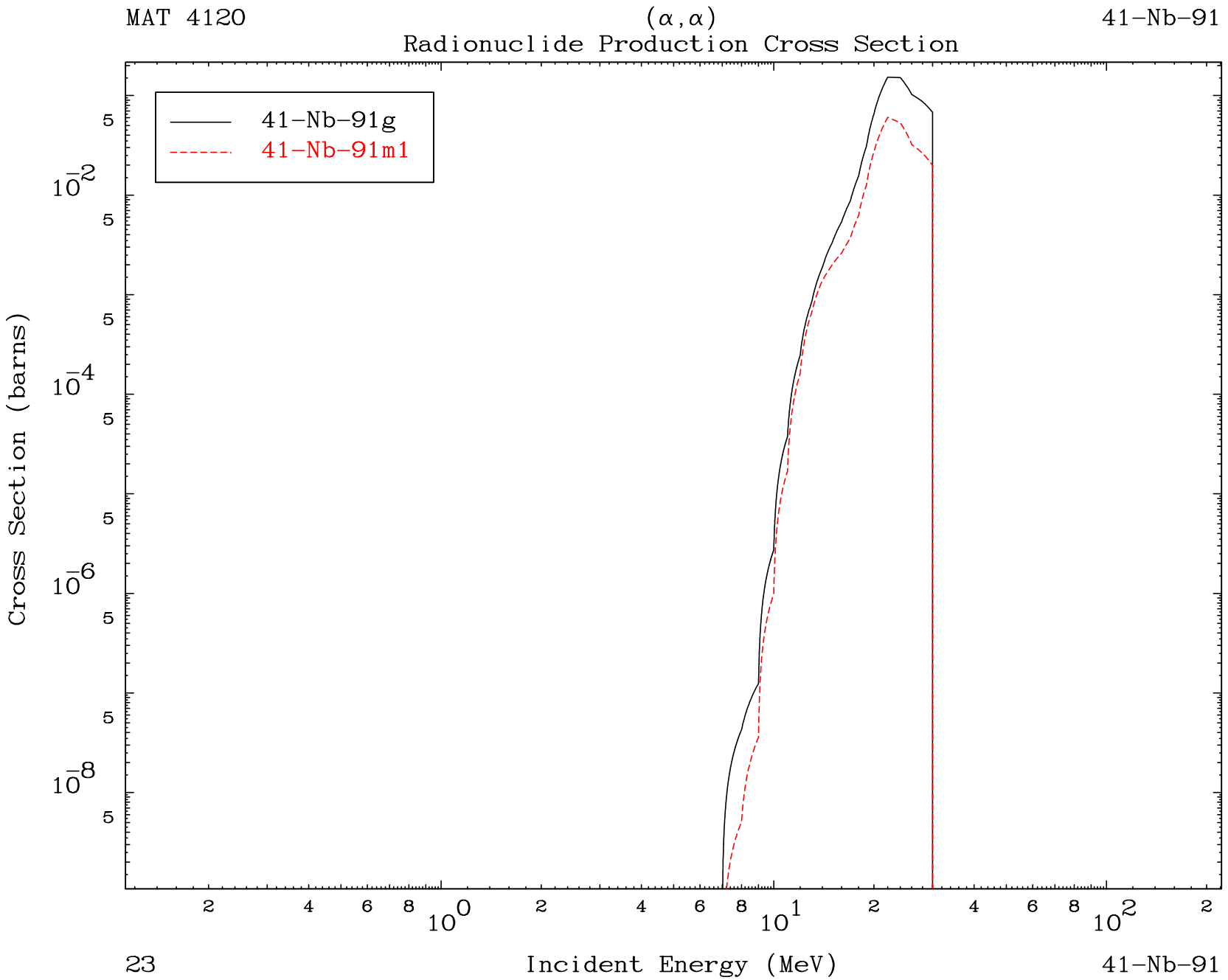

MAT 4120
(α,2n) p
41-Nb-91
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
41-Nb-91

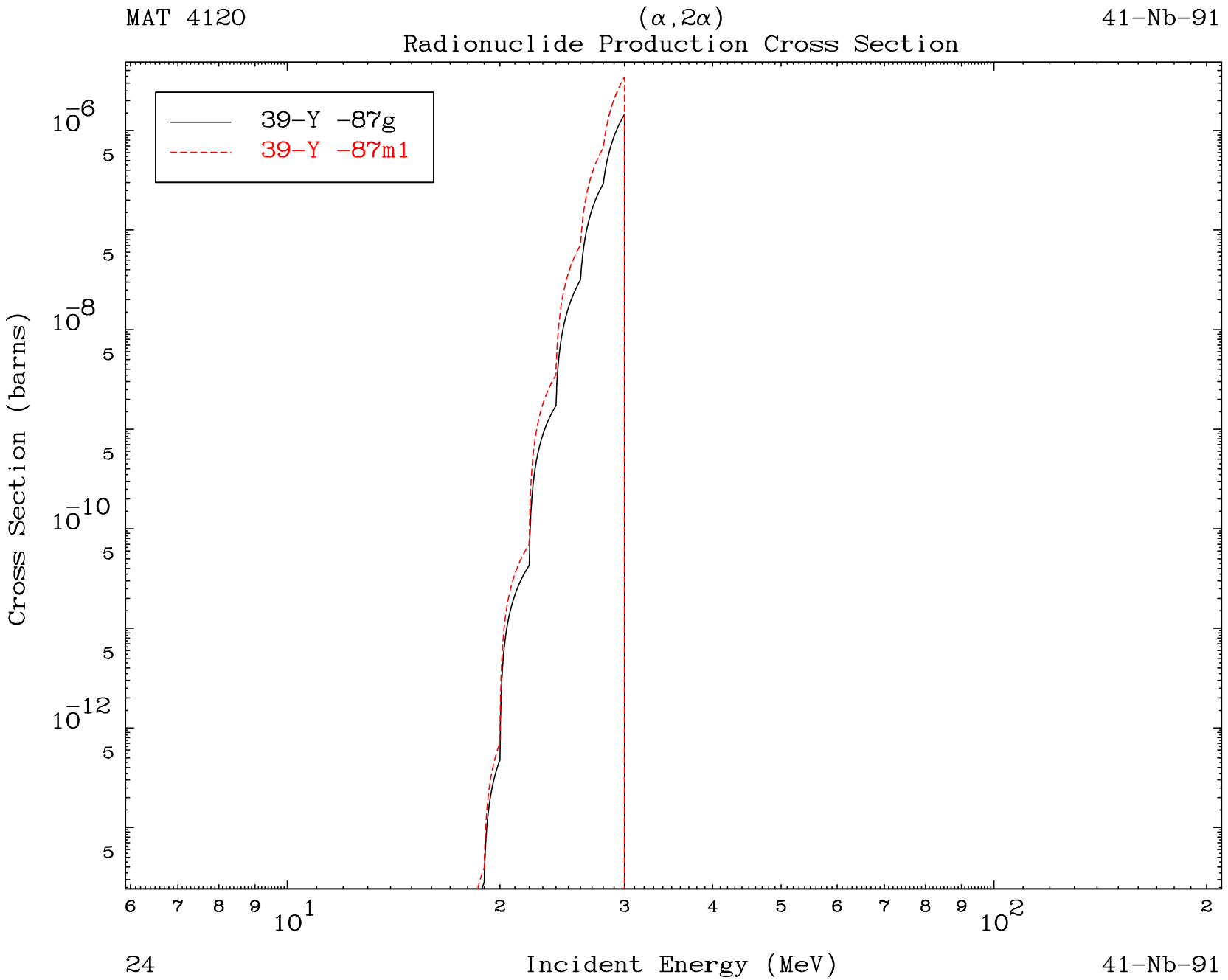

MAT 4120
(α,n') p α
41-Nb-91
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
41-Nb-91

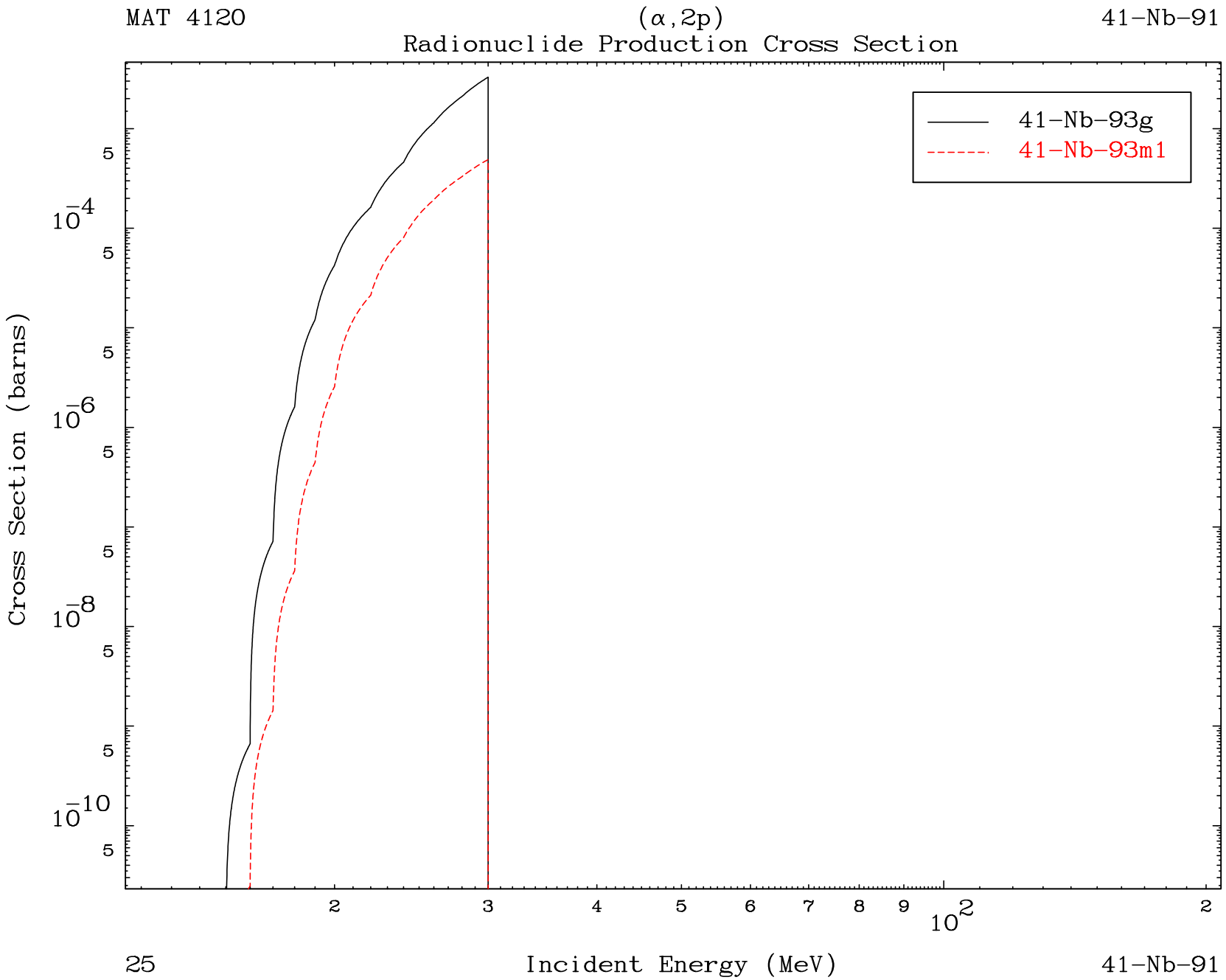

MAT 4120
(α,γ)
41-Nb-91
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
Incident Energy (MeV)
20
41-Nb-91

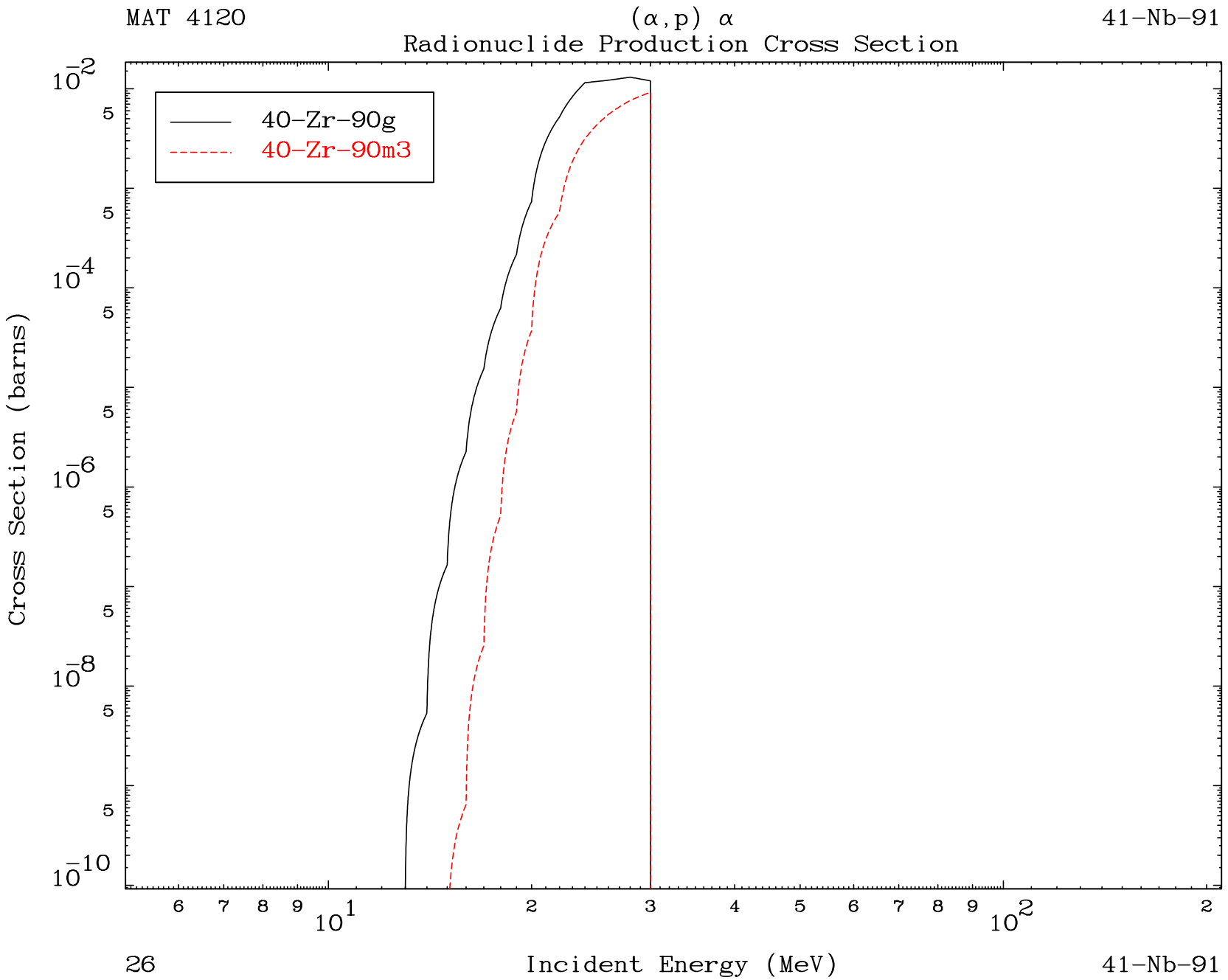

MAT 4120
(α,d)
41-Nb-91
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
41-Nb-91

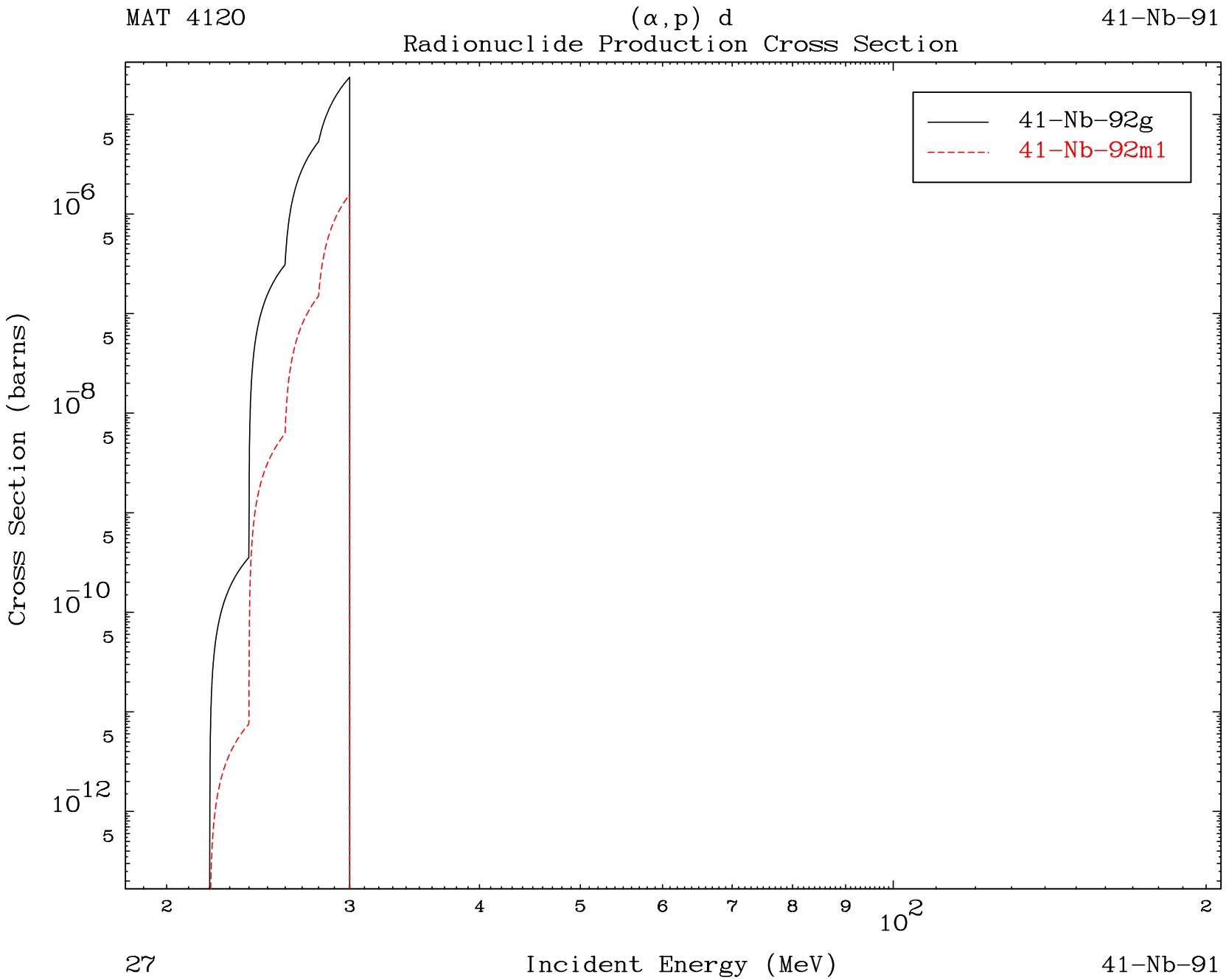

MAT 4120
(α,He-3)
41-Nb-91
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
41-Nb-91

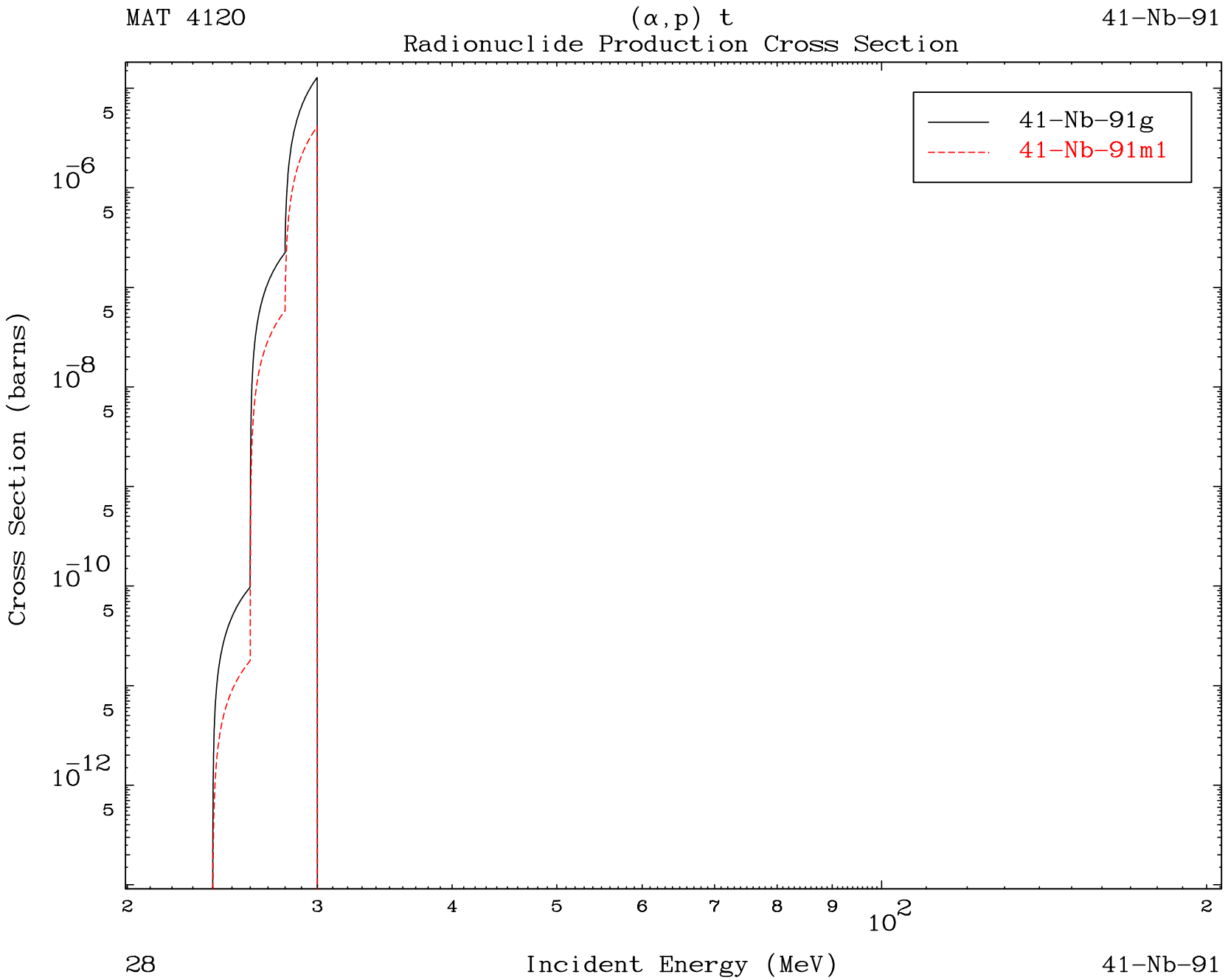

MAT 4120
(α,α)
41-Nb-91
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
41-Nb-91

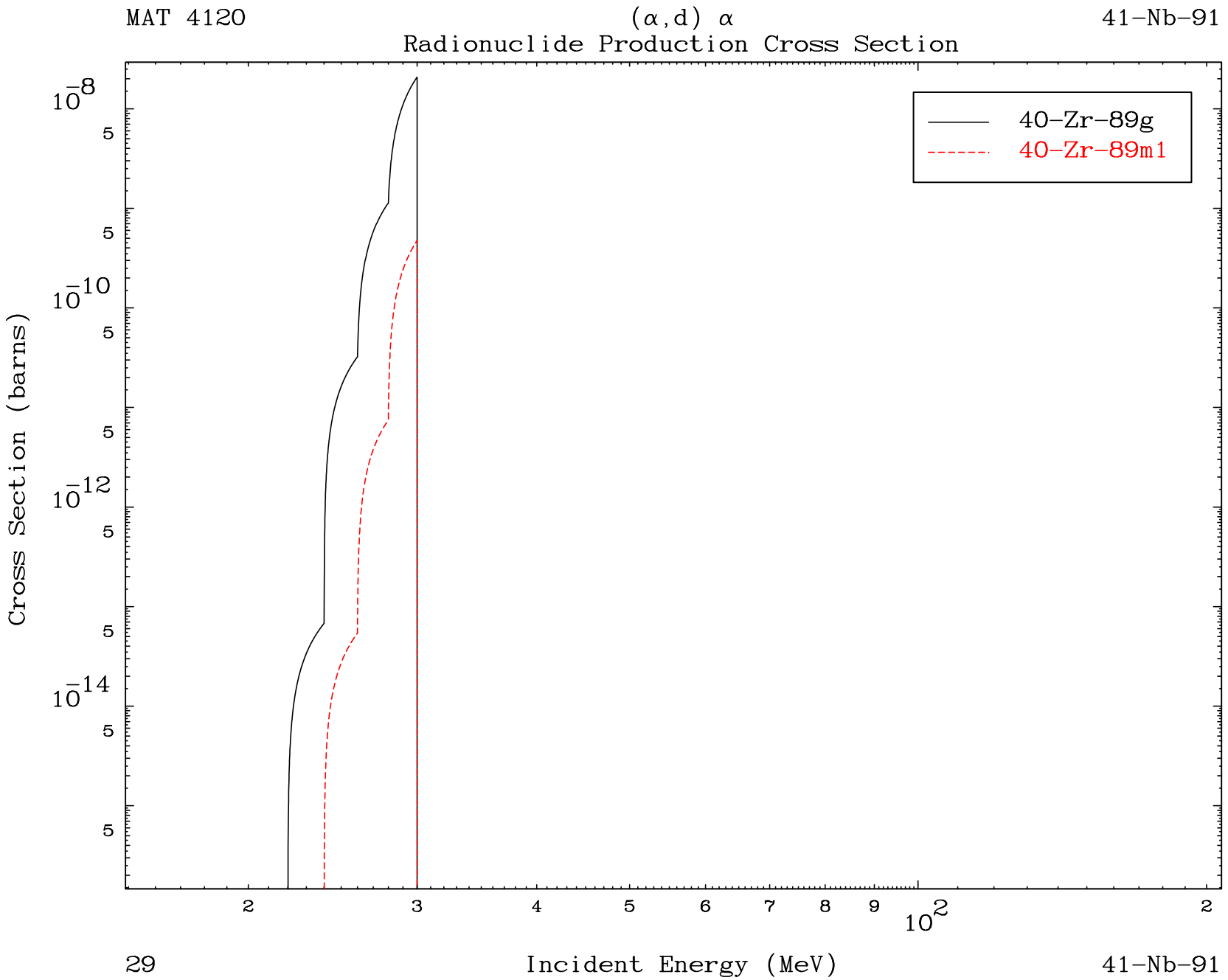

MAT 4120
(α,2α)
41-Nb-91
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
24
41-Nb-91


MAT 4120
(α,2p)
41-Nb-91
Radionuclide Production Cross Section
41-Nb-93g
41-Nb-93m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
41-Nb-91


MAT 4120
(α,p) α
41-Nb-91
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
Incident Energy (MeV)
26
41-Nb-91


MAT 4120
(α,p) d
41-Nb-91
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
41-Nb-91


MAT 4120
(α,p) t
41-Nb-91
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
28
Incident Energy (MeV)
41-Nb-91


MAT 4120
(α,d) α
41-Nb-91
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
29
Incident Energy (MeV)
41-Nb-91