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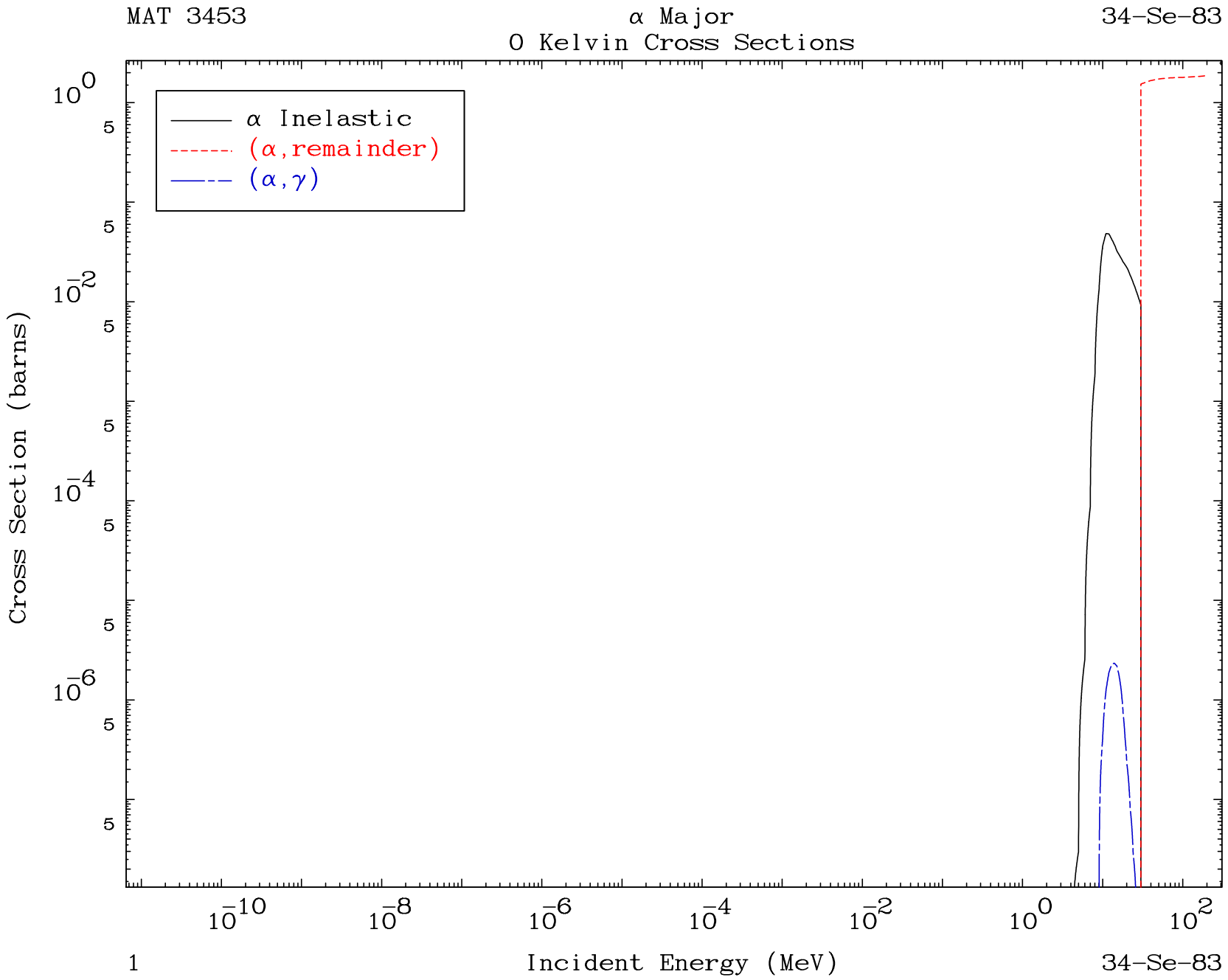
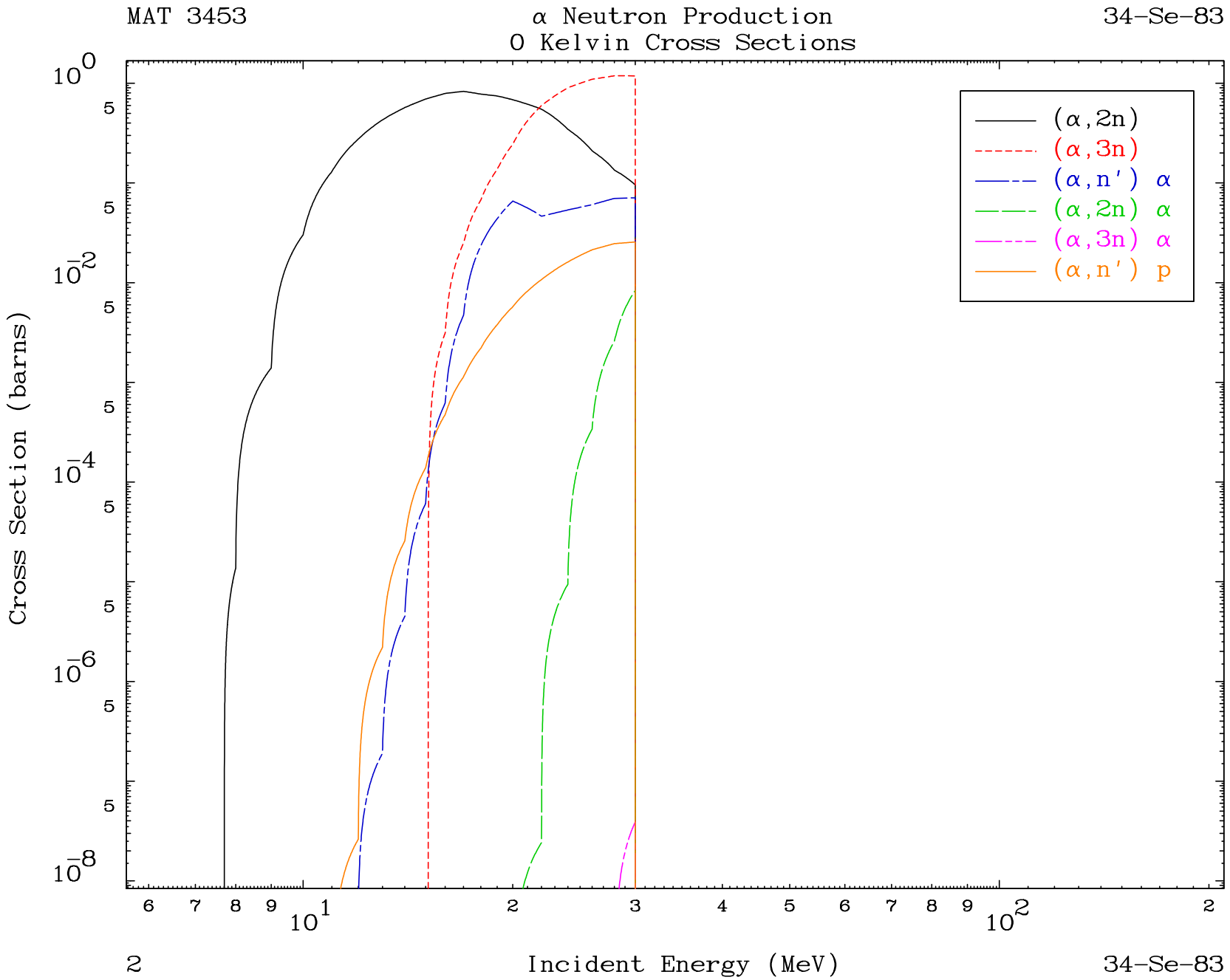
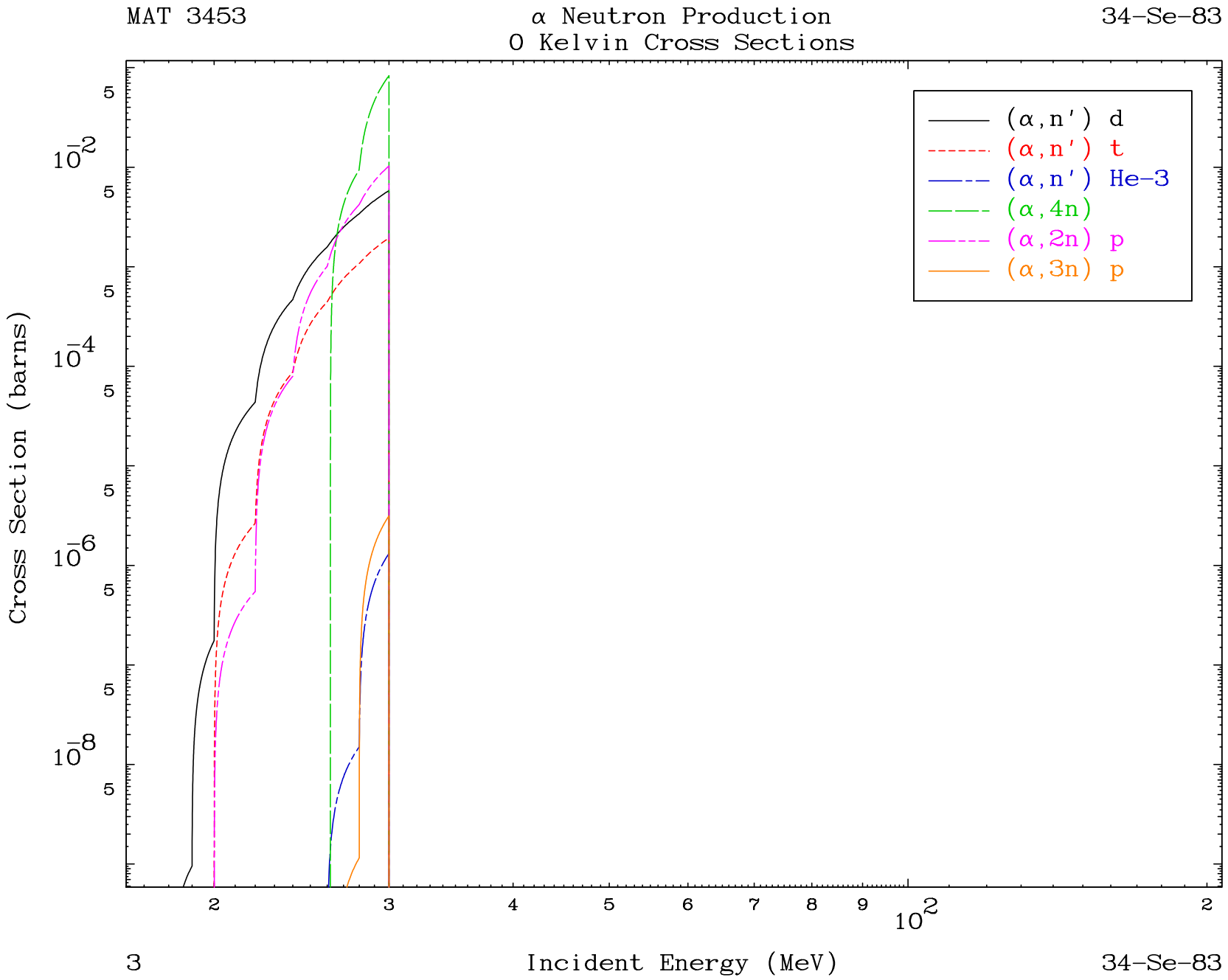
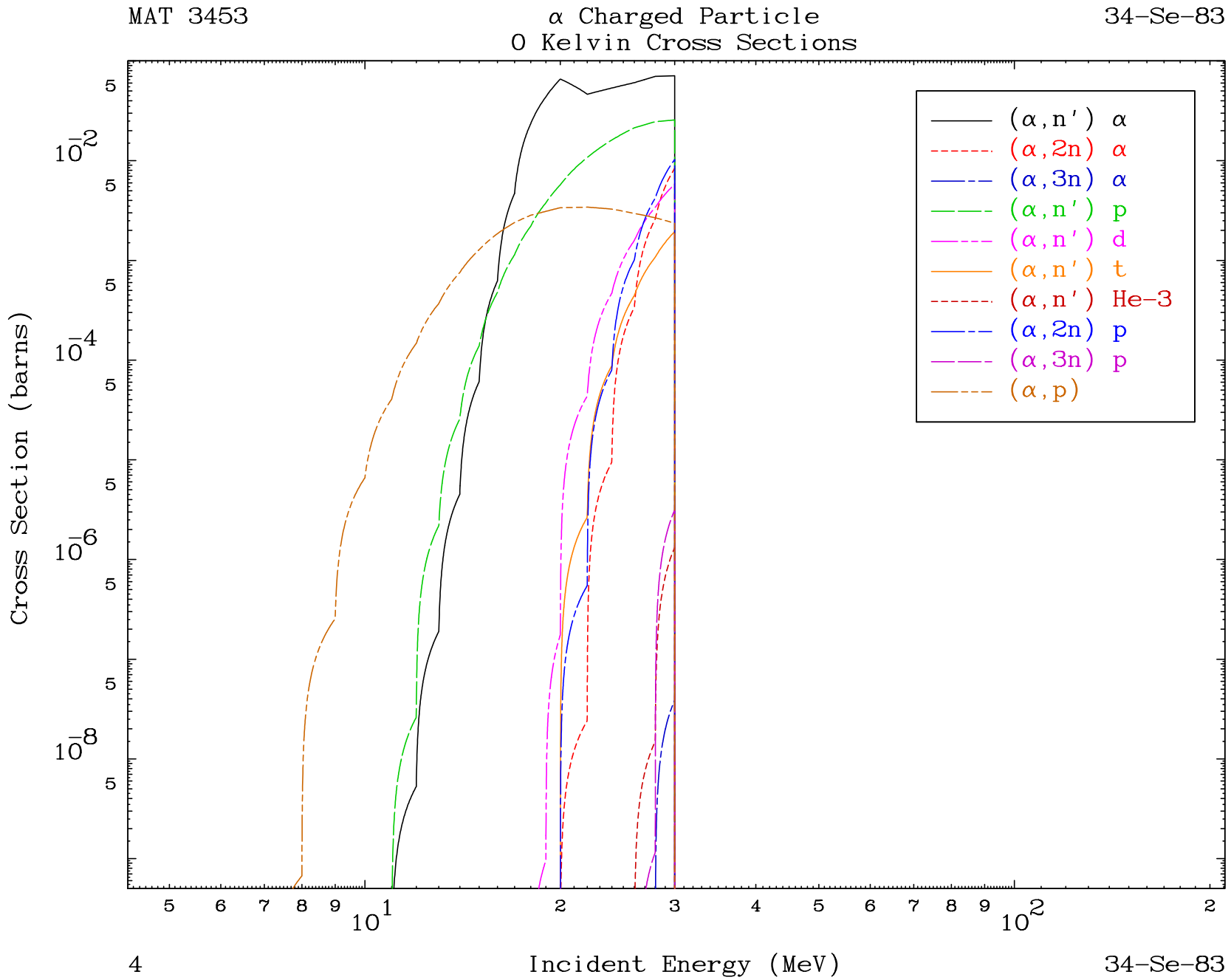
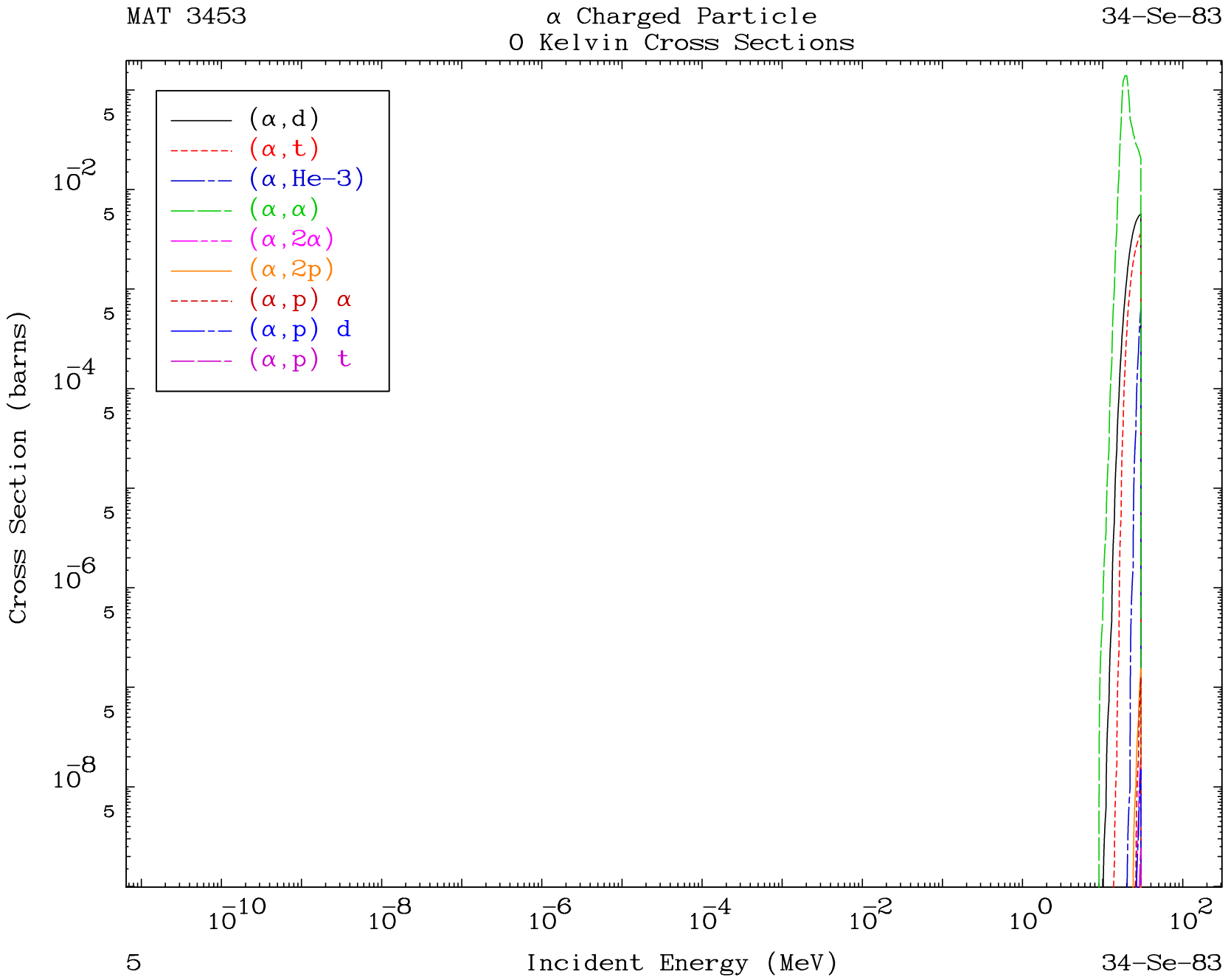
Press Mouse Button to Start

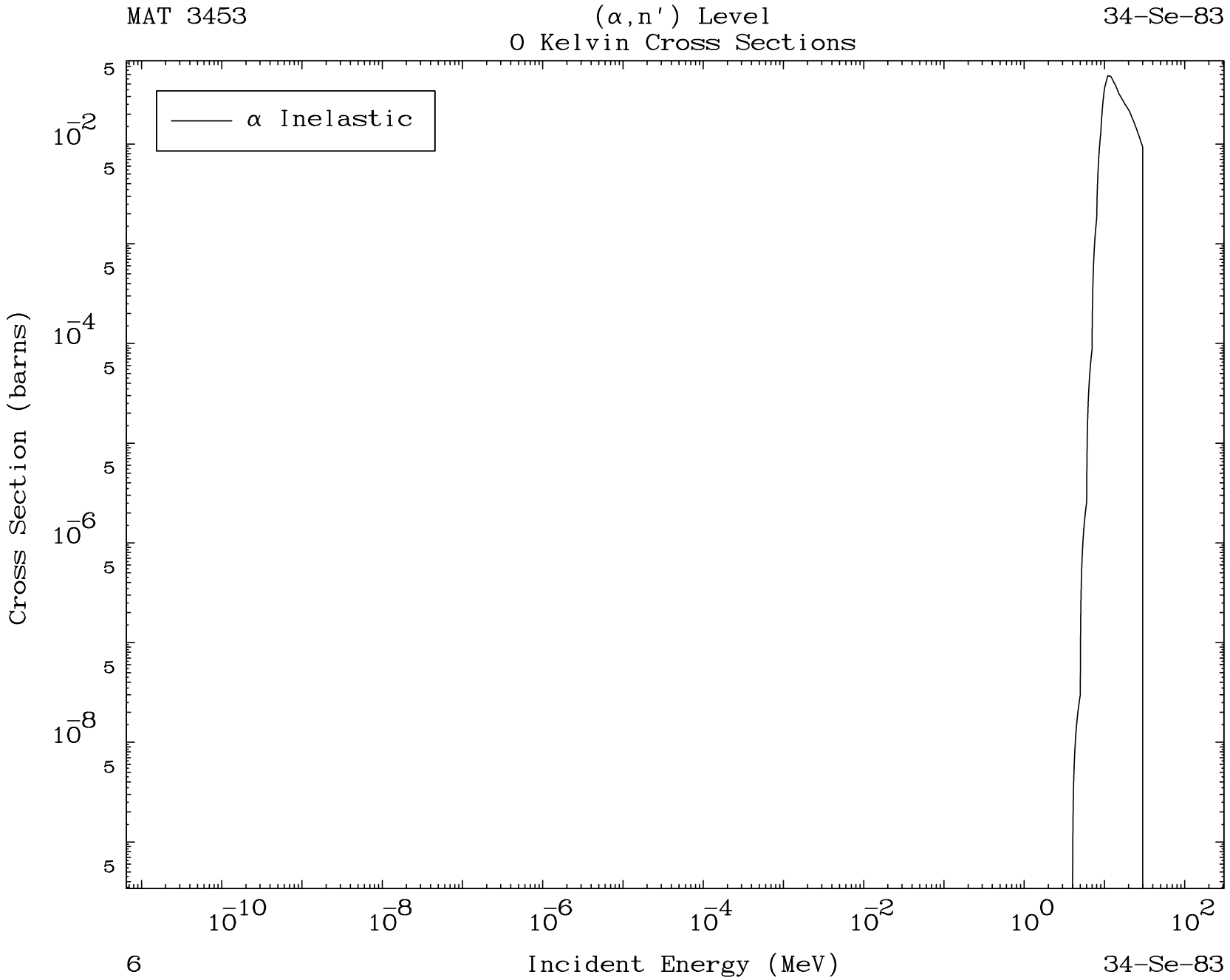

MAT 3453
α Major
34-Se-83
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
34-Se-83

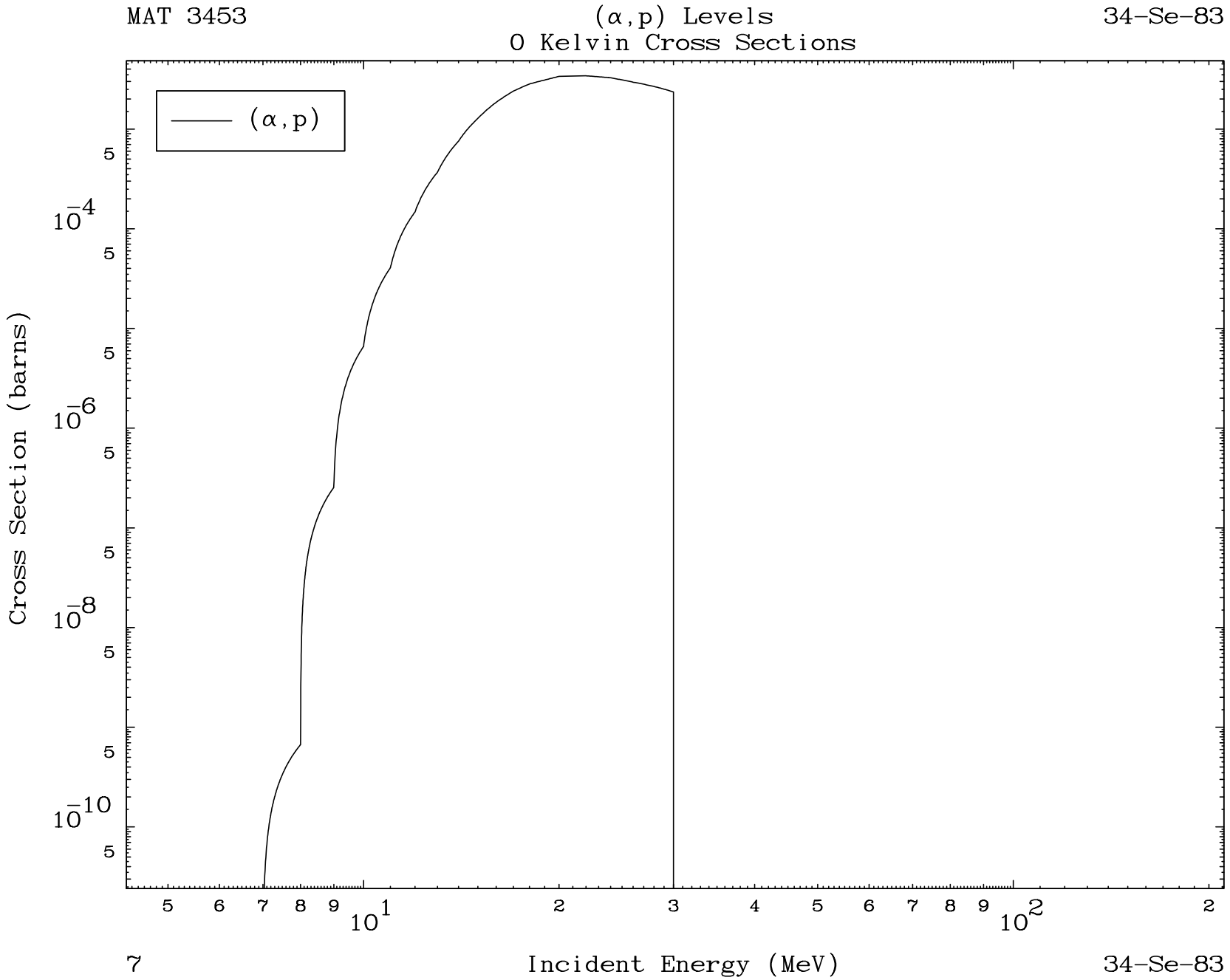

MAT 3453
α Neutron Production
0 Kelvin Cross Sections
34-Se-83
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
34-Se-83

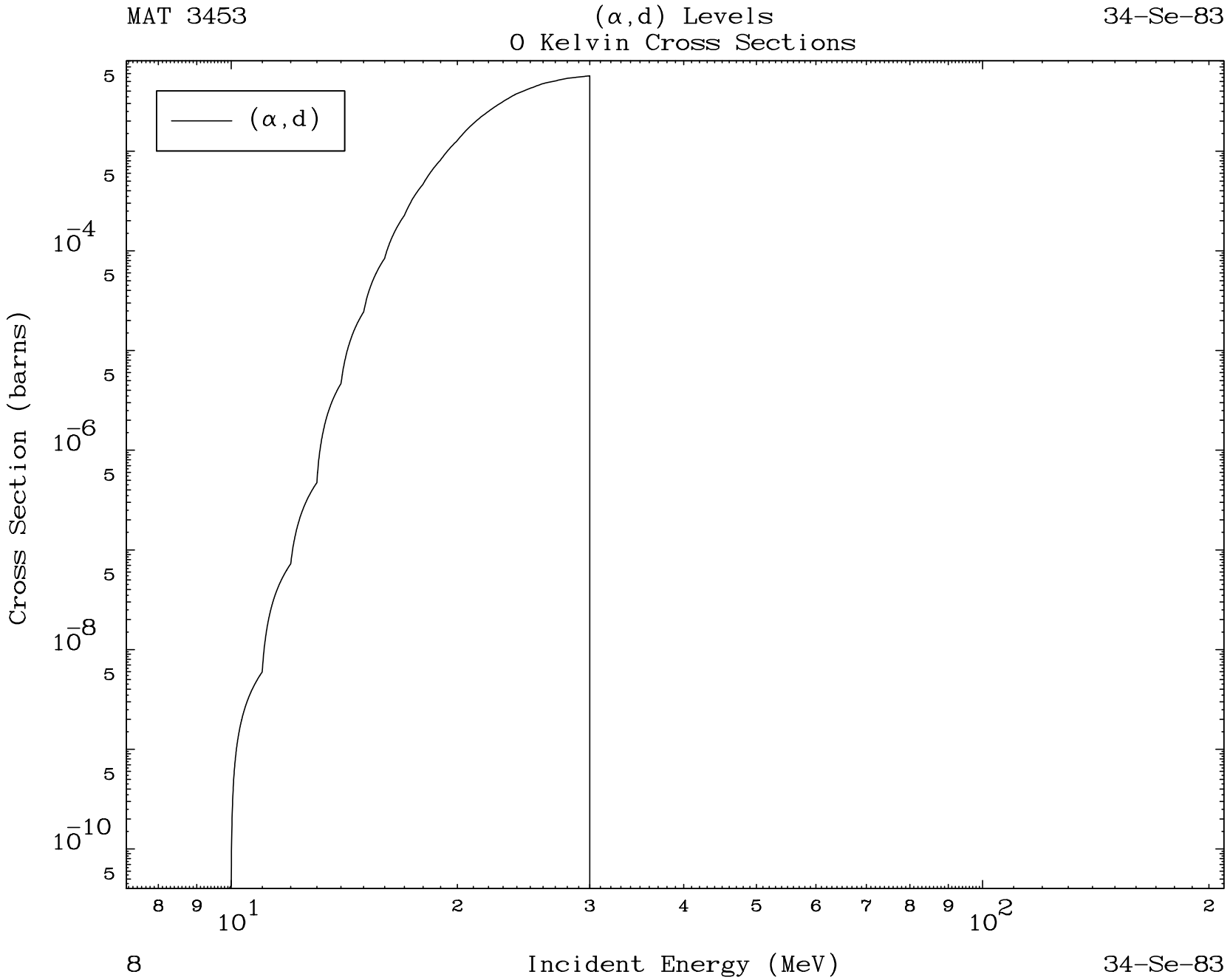

MAT 3453
α Neutron Production
0 Kelvin Cross Sections
34-Se-83
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
6
7
8
9
10 2
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
3
Incident Energy (MeV)
34-Se-83

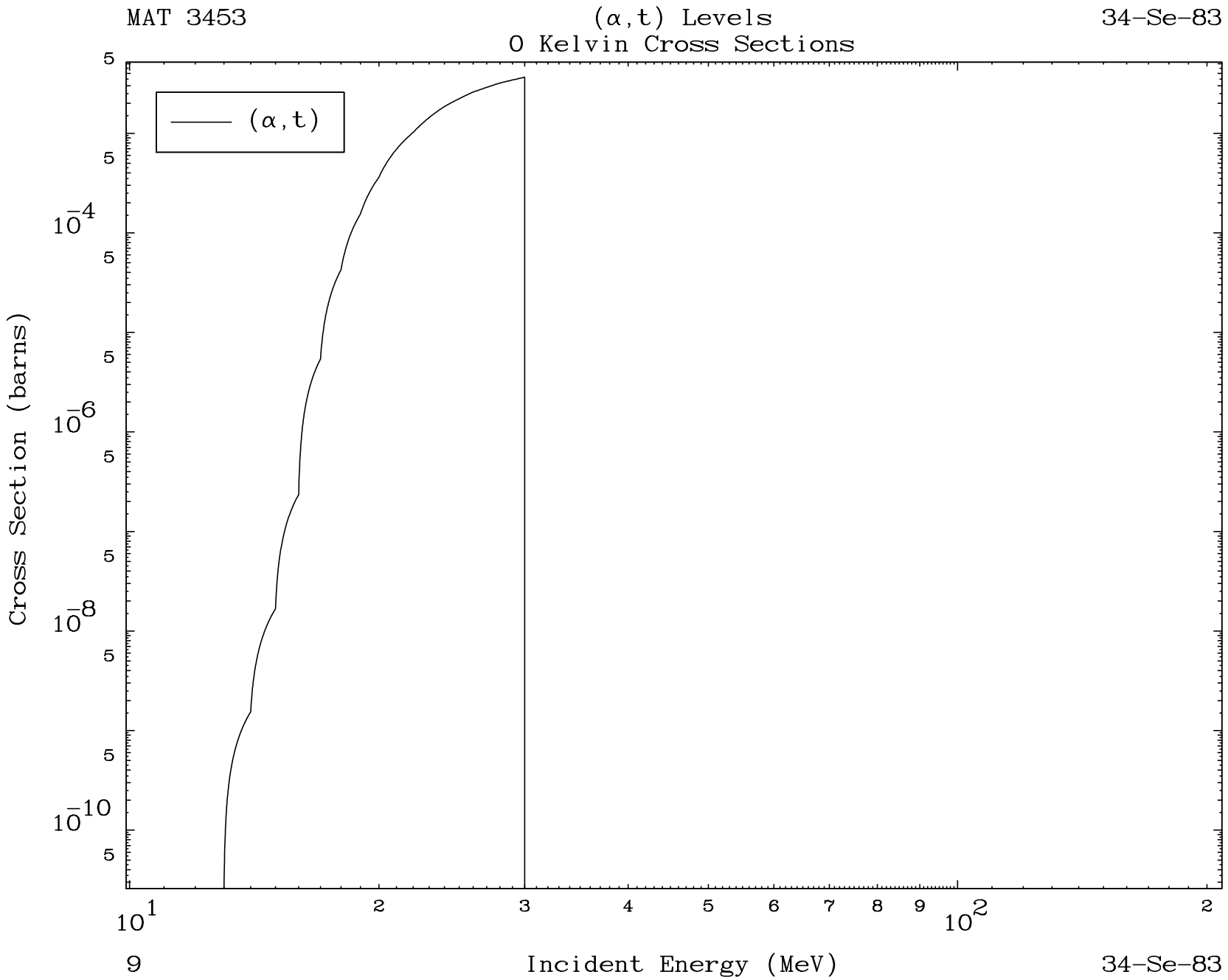

MAT 3453
α Charged Particle
0 Kelvin Cross Sections
34-Se-83
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
(α,p)
4
34-Se-83

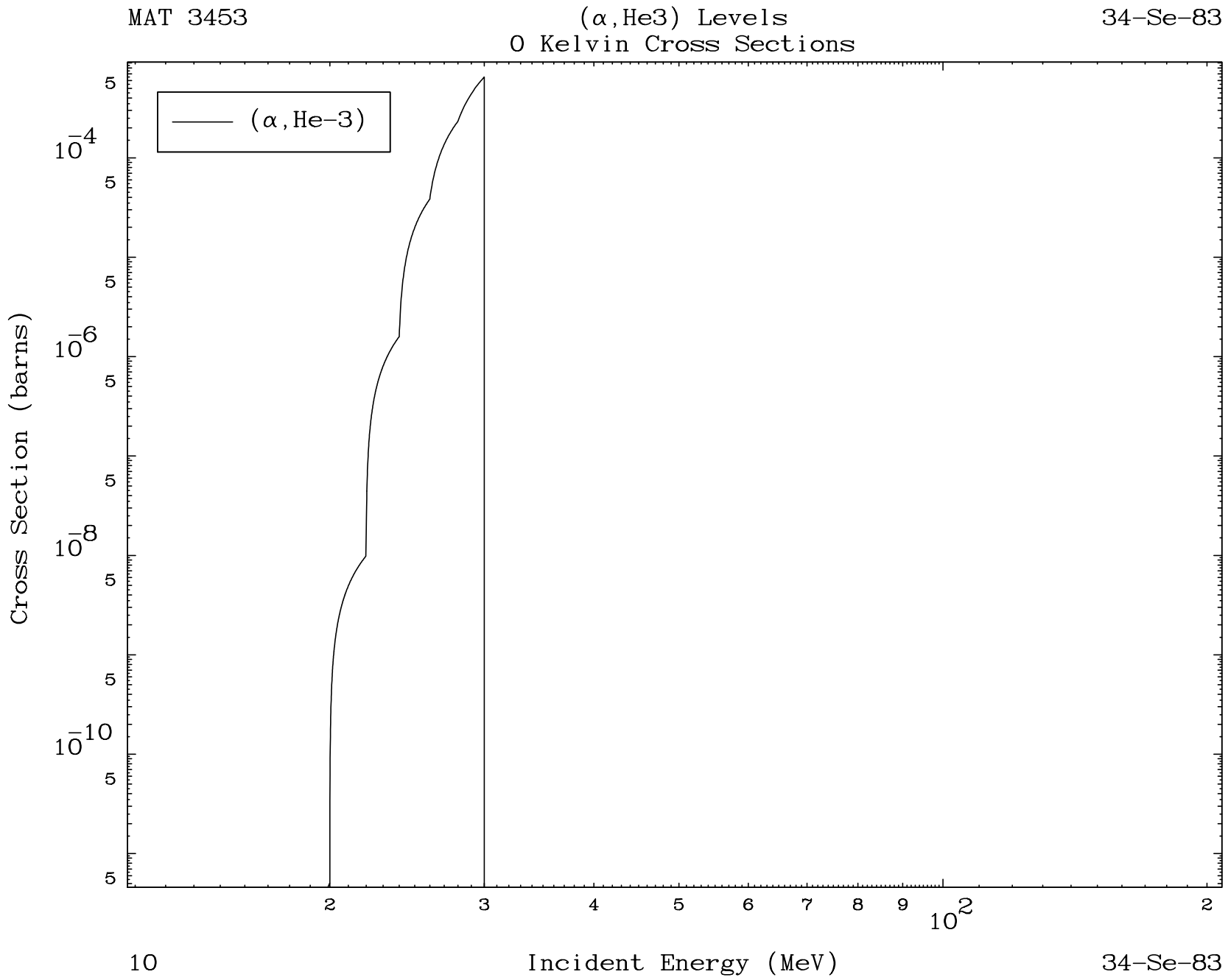

MAT 3453
α Charged Particle
0 Kelvin Cross Sections
34-Se-83
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
5
34-Se-83

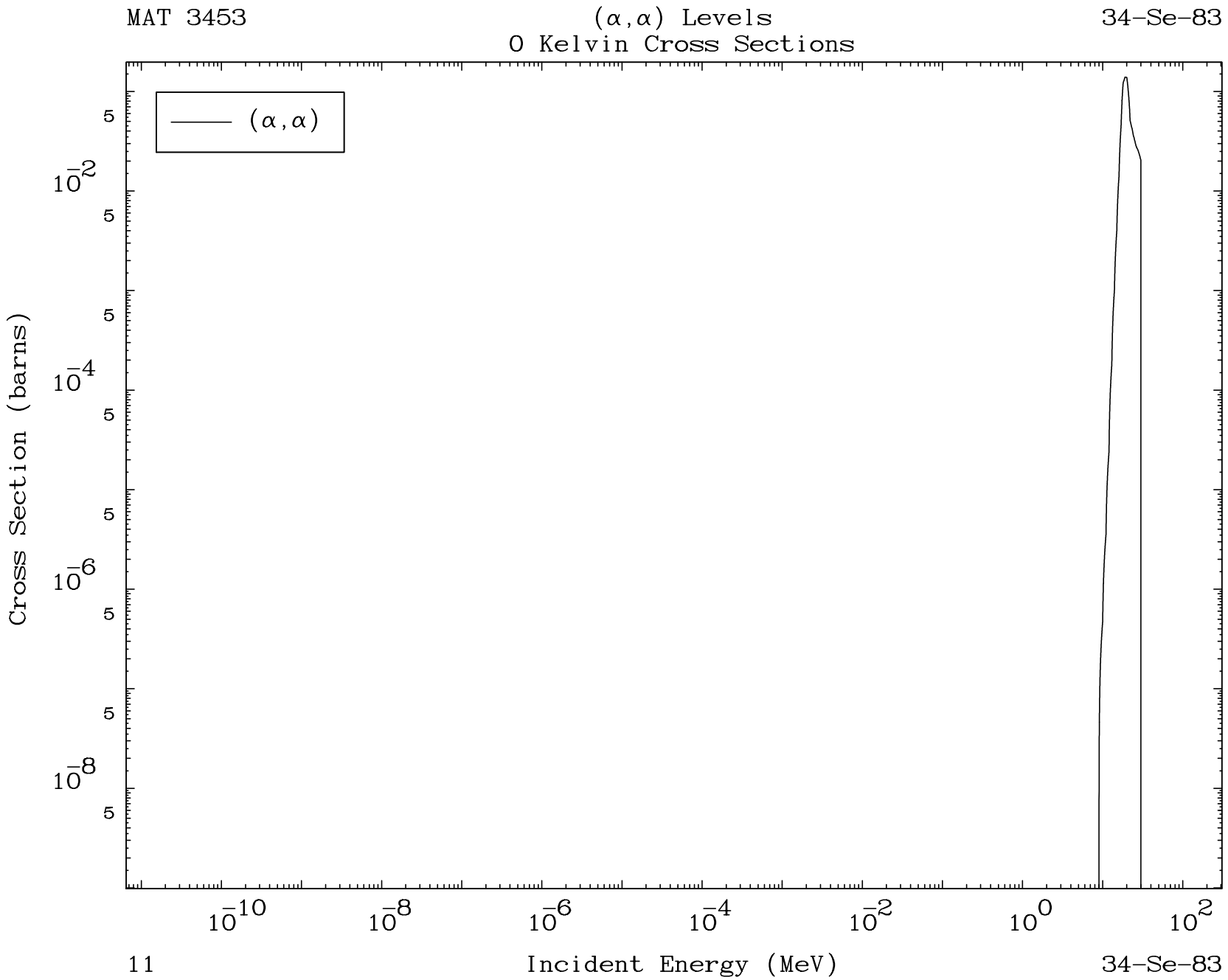

MAT 3453
(α,n') Level
34-Se-83
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
34-Se-83

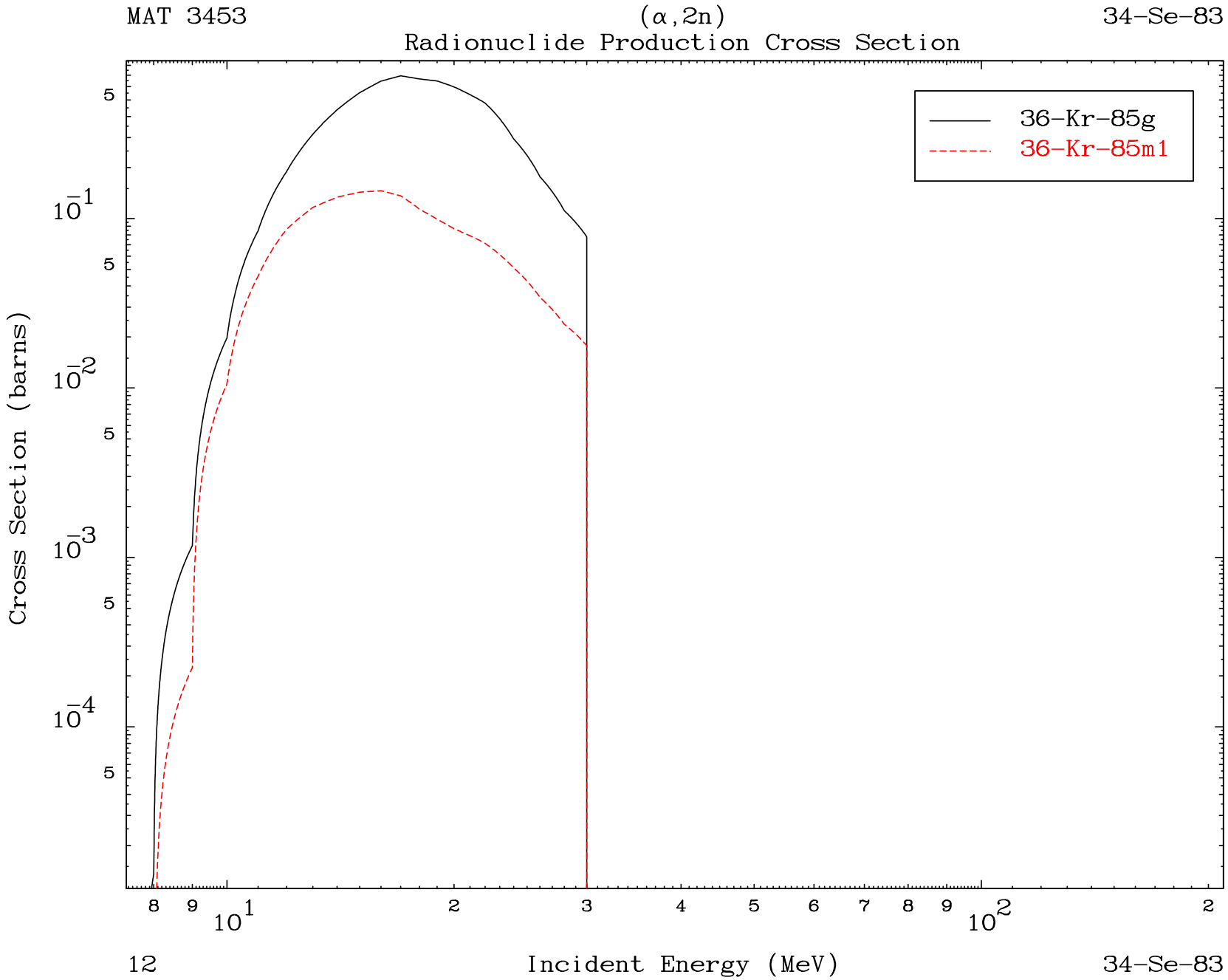

MAT 3453
(α,p) Levels
34-Se-83
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
10¹
2
3
4
10²
Incident Energy (MeV)
7
34-Se-83

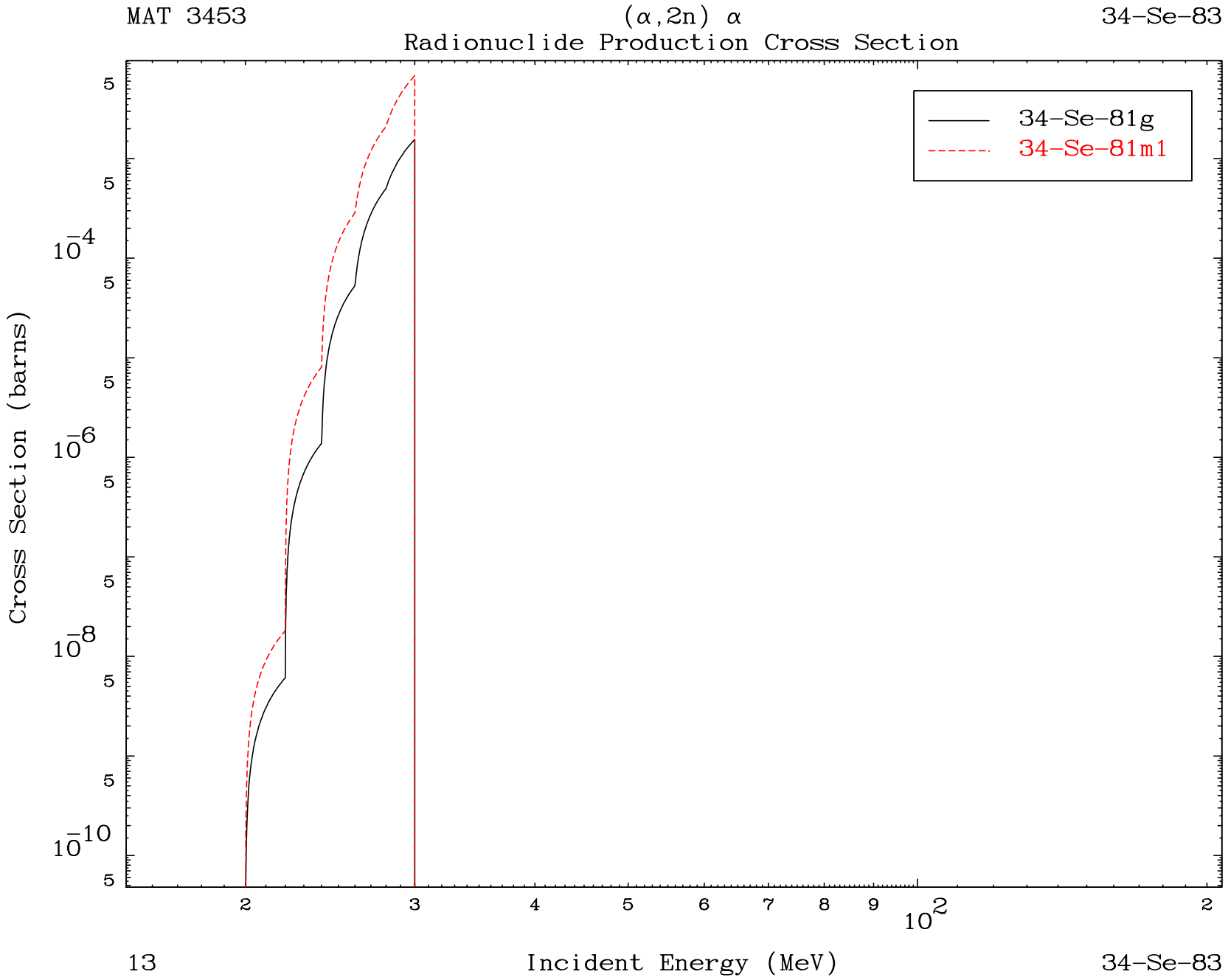

MAT 3453
(α,d) Levels
34-Se-83
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
34-Se-83
8

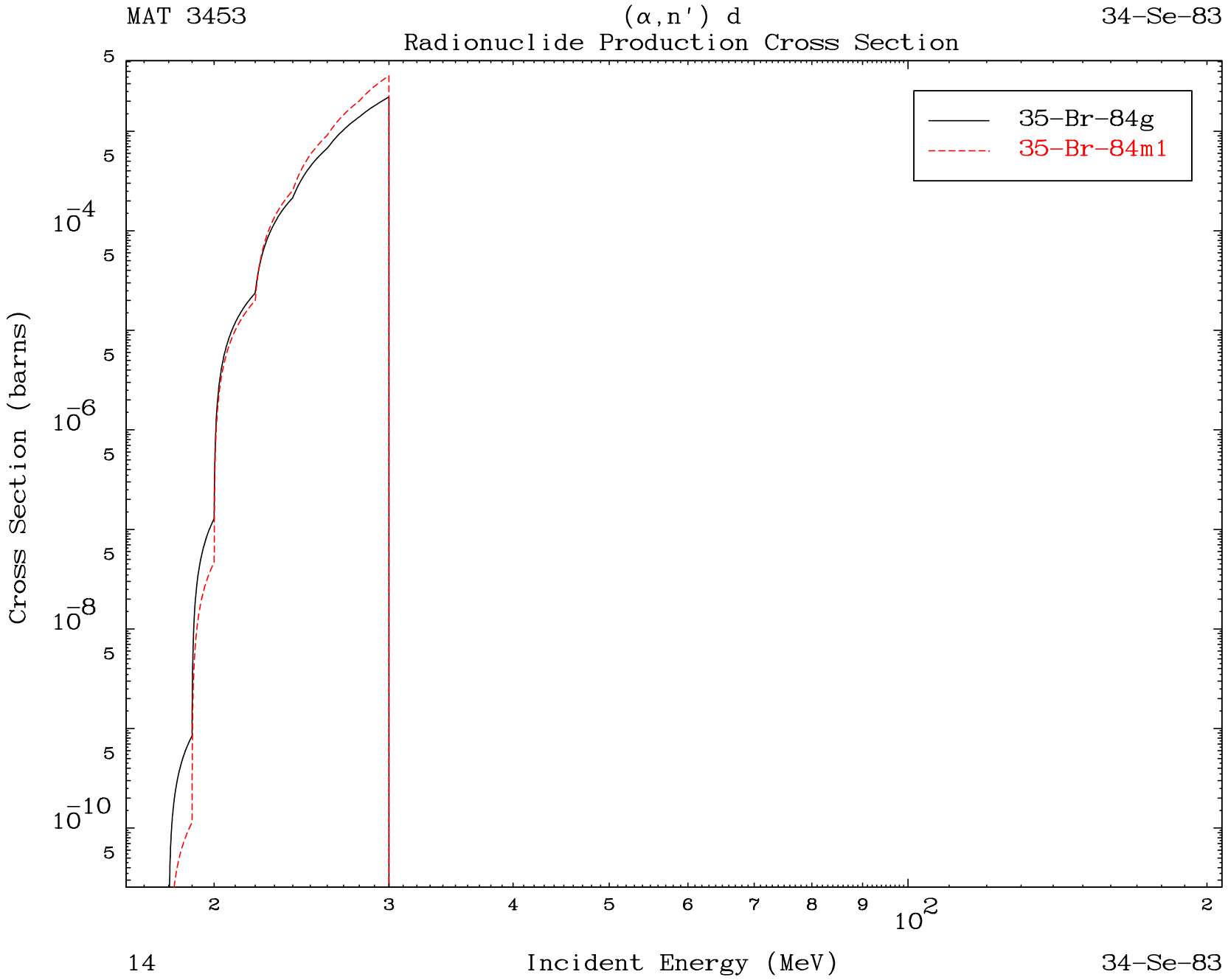

MAT 3453
(α,t) Levels
34-Se-83
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
10¹
10²
Incident Energy (MeV)
34-Se-83

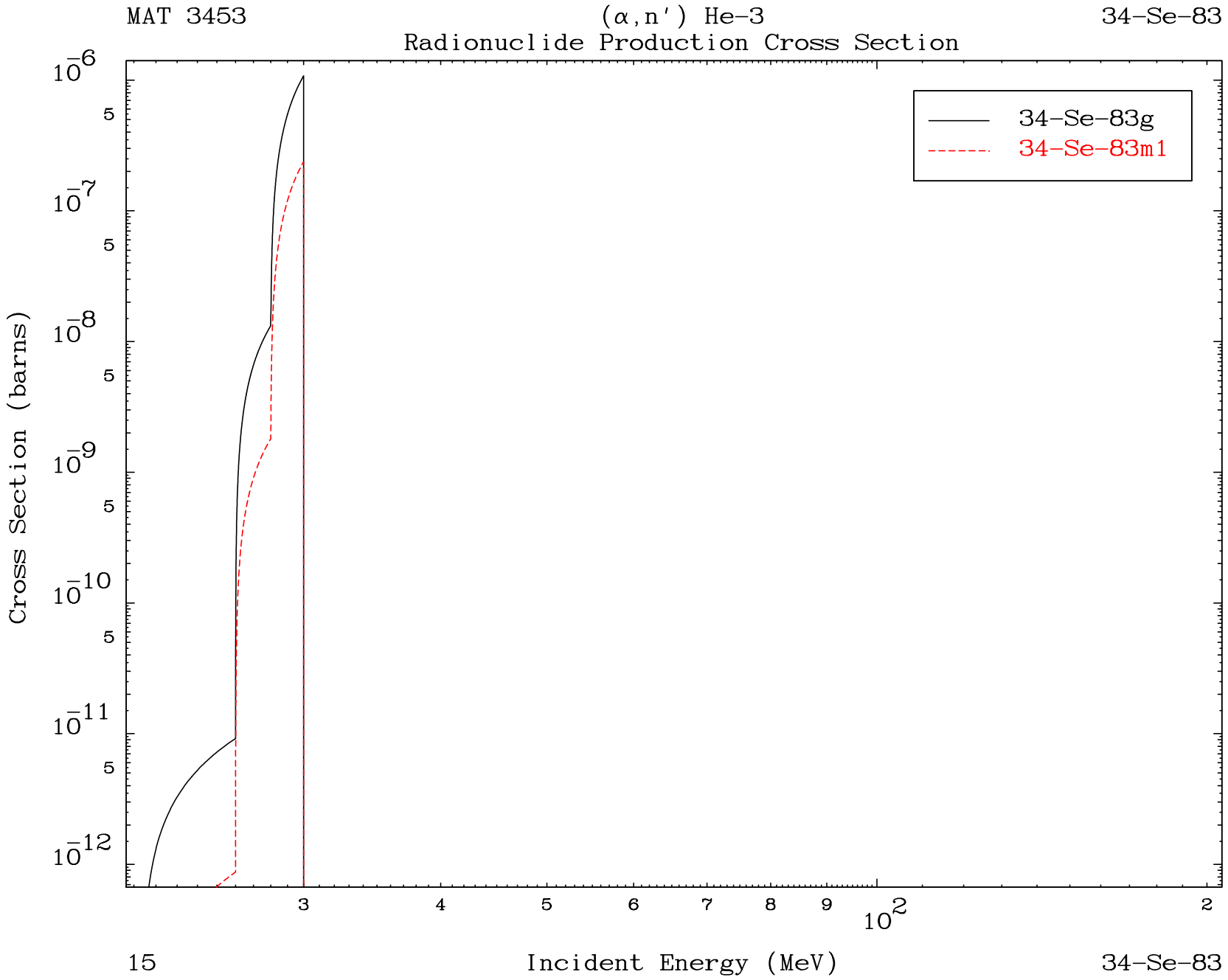

MAT 3453
(α,He3) Levels
34-Se-83
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
34-Se-83

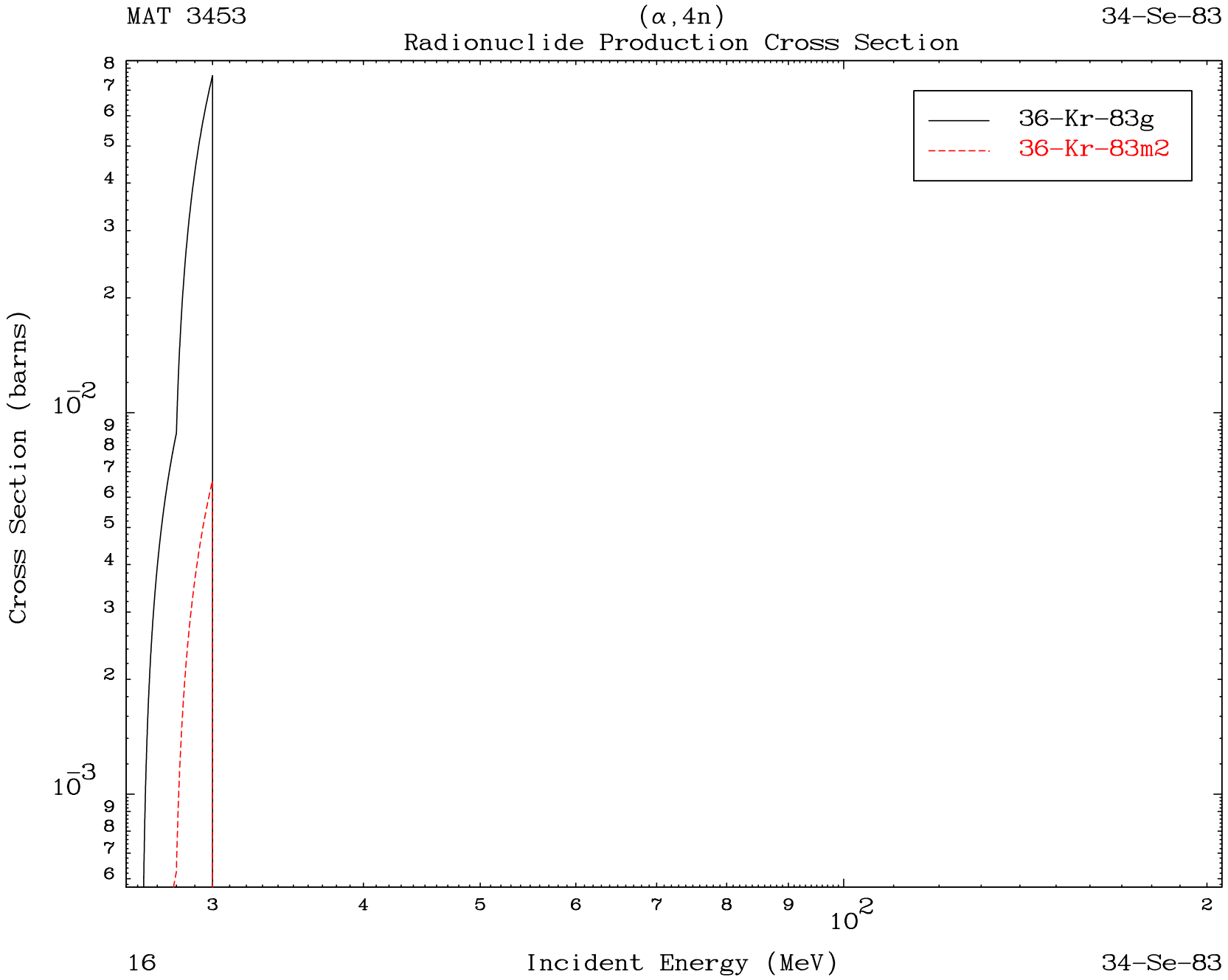

MAT 3453
(α,α) Levels
34-Se-83
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
11
34-Se-83

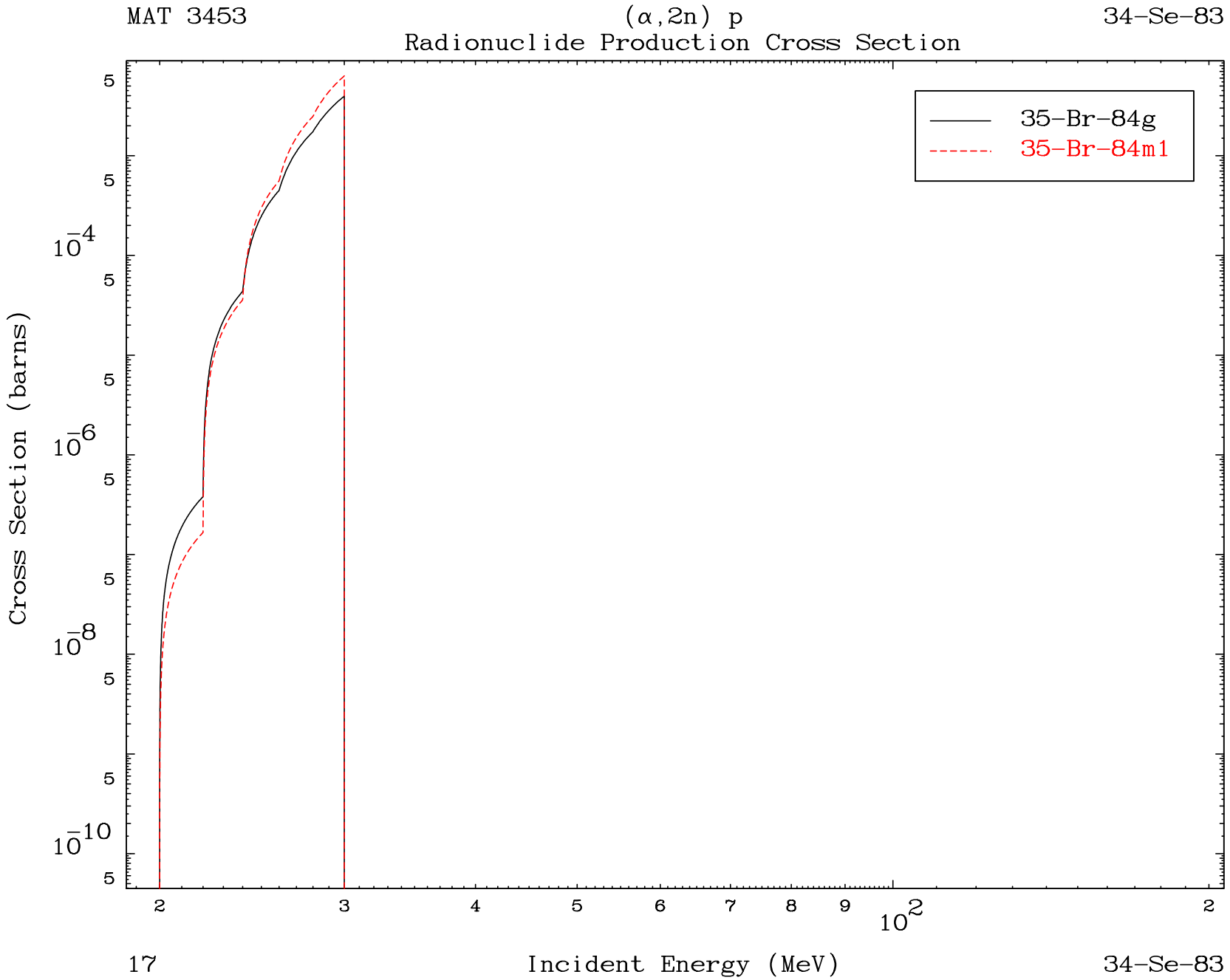

MAT 3453
(α,2n)
34-Se-83
Radionuclide Production Cross Section
36-Kr-85g
36-Kr-85m1
Cross Section (barns)
Incident Energy (MeV)
12
34-Se-83

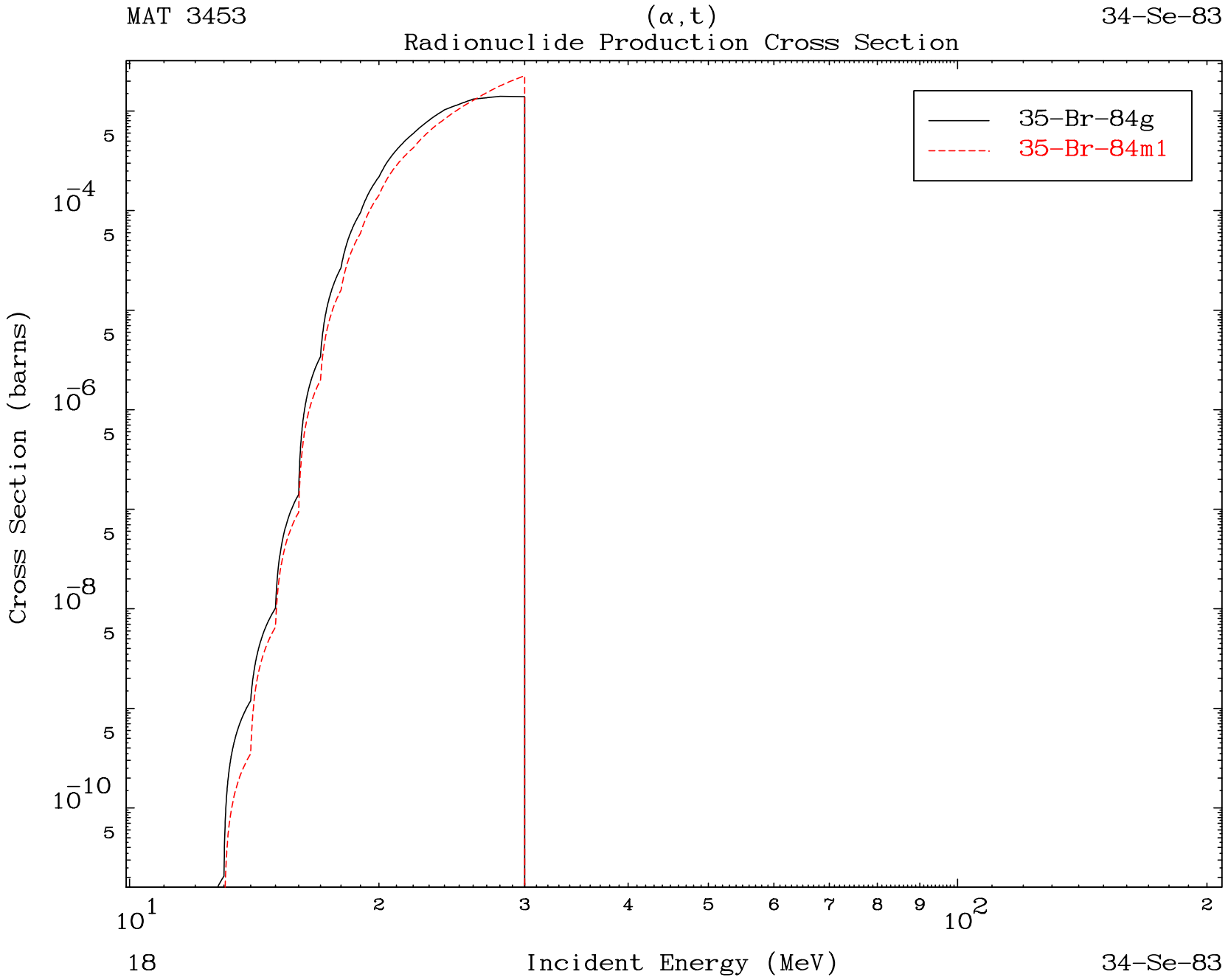

MAT 3453
(α,2n) α
34-Se-83
Radionuclide Production Cross Section
34-Se-81g
34-Se-81m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
34-Se-83

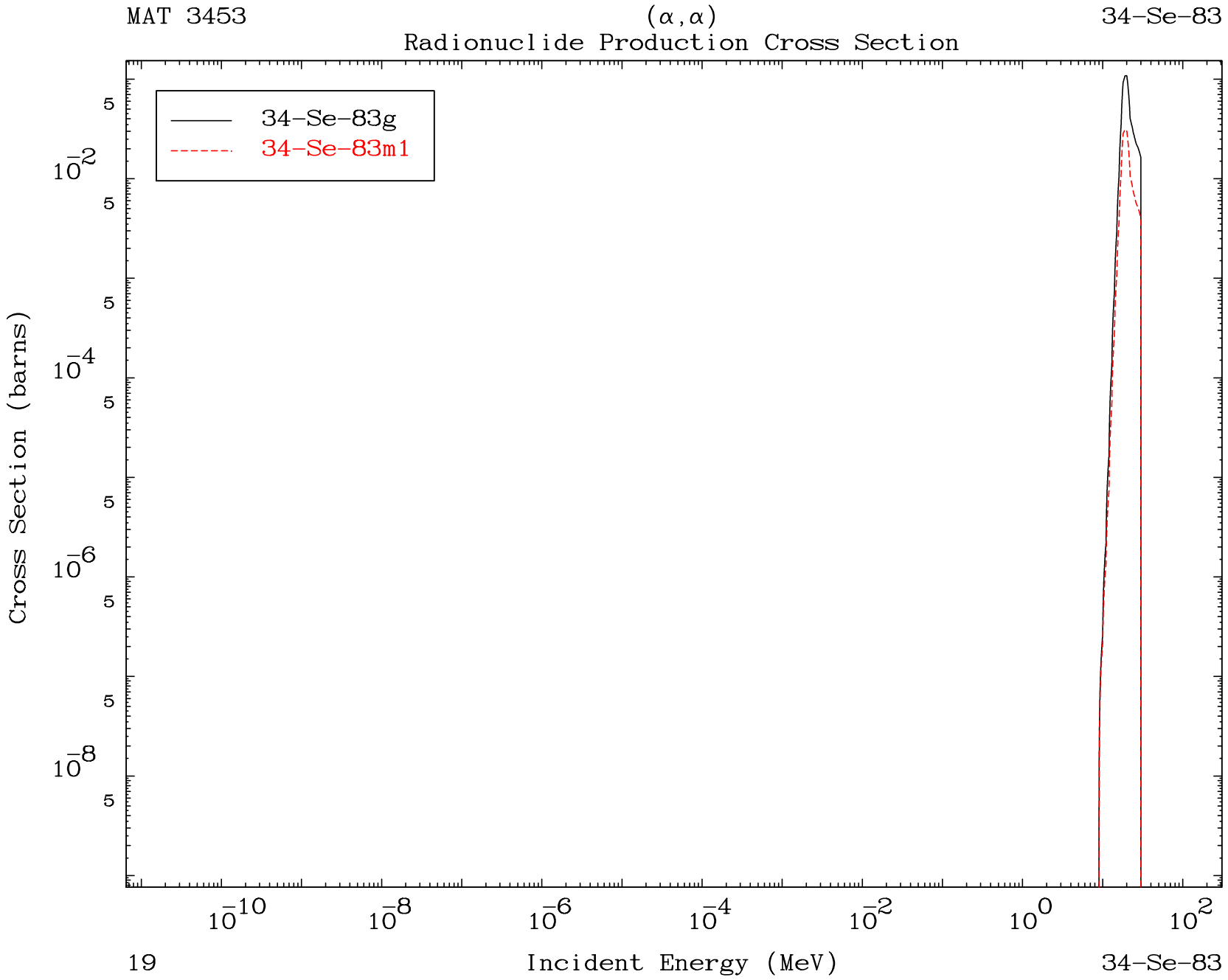

MAT 3453
(α,n') d
34-Se-83
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
34-Se-83

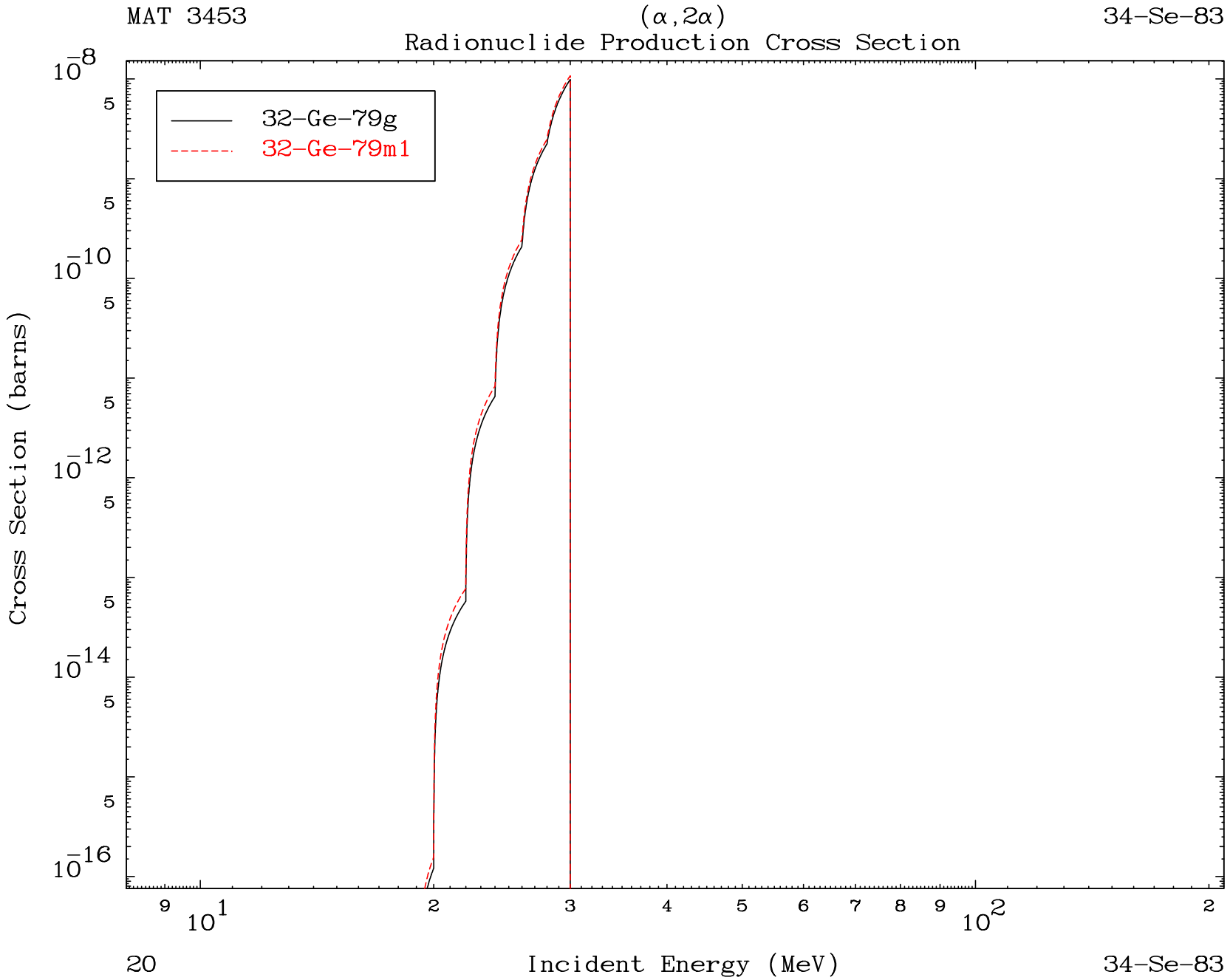

MAT 3453
(α,n') He-3
34-Se-83
Radionuclide Production Cross Section
34-Se-83g
34-Se-83m1
Cross Section (barns)
Incident Energy (MeV)
15
34-Se-83

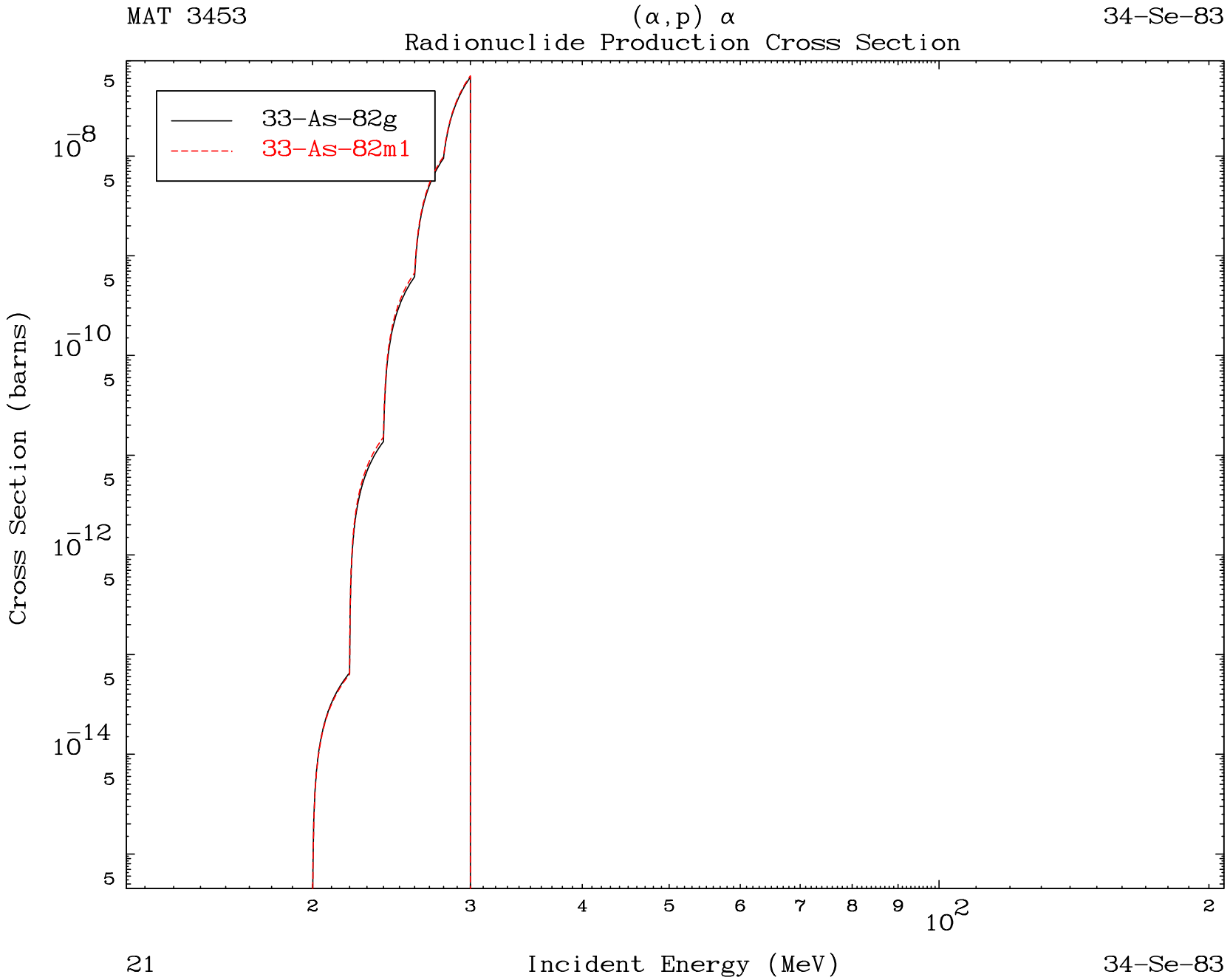

MAT 3453
(α,4n)
34-Se-83
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
16
34-Se-83

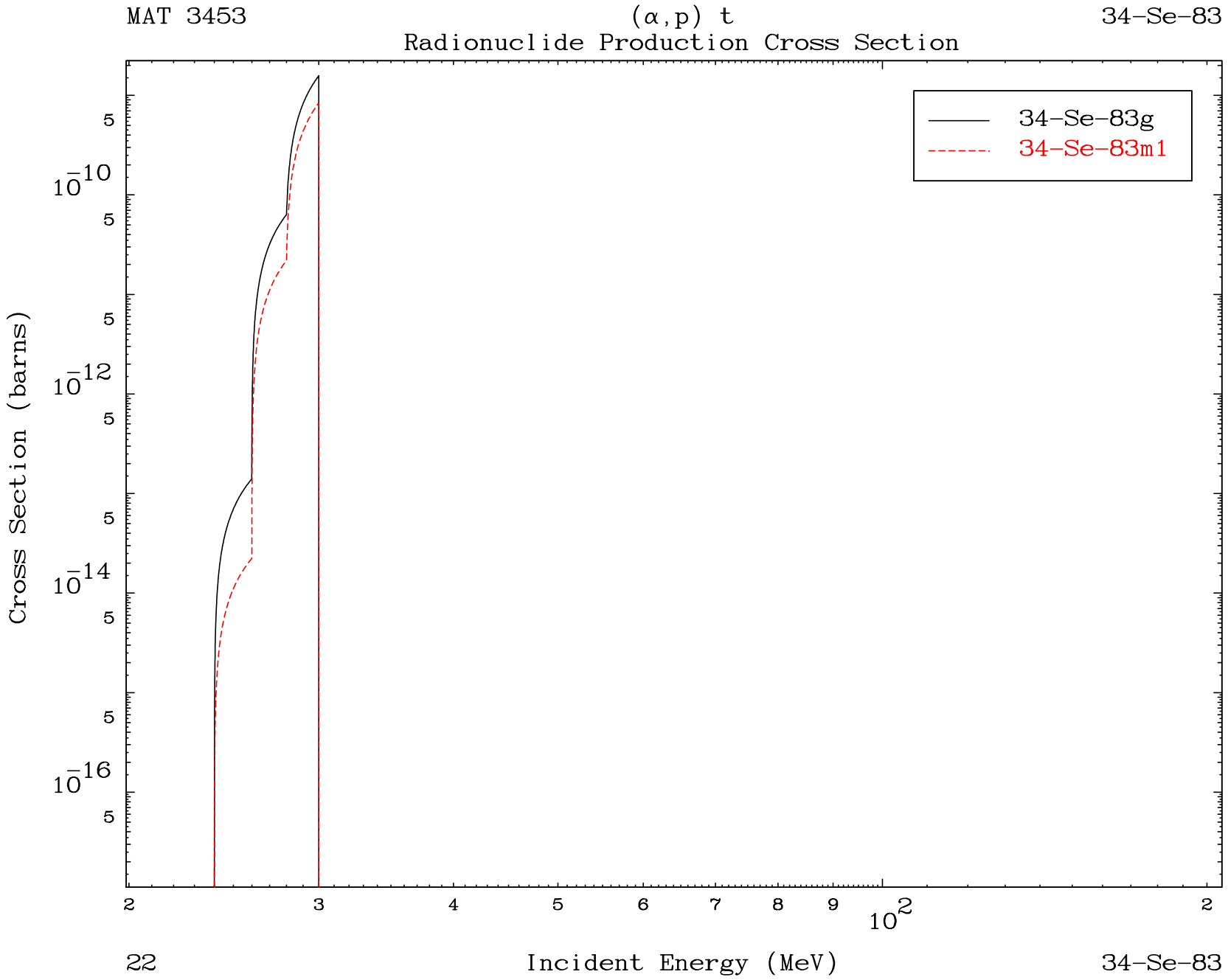

MAT 3453
(α,2n) p
34-Se-83
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
Incident Energy (MeV)
17
34-Se-83


MAT 3453
(α,t)
34-Se-83
Radionuclide Production Cross Section
35-Br-84g
35-Br-84m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
18
Incident Energy (MeV)
34-Se-83


MAT 3453
(α,α)
34-Se-83
Radionuclide Production Cross Section
34-Se-83g
34-Se-83m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
19
34-Se-83


MAT 3453
(α,2α)
34-Se-83
Radionuclide Production Cross Section
32-Ge-79g
32-Ge-79m1
Cross Section (barns)
Incident Energy (MeV)
20
34-Se-83


MAT 3453
(α,p) α
34-Se-83
Radionuclide Production Cross Section
33-As-82g
33-As-82m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
34-Se-83


MAT 3453
(α,p) t
34-Se-83
Radionuclide Production Cross Section
34-Se-83g
34-Se-83m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
22
Incident Energy (MeV)
34-Se-83