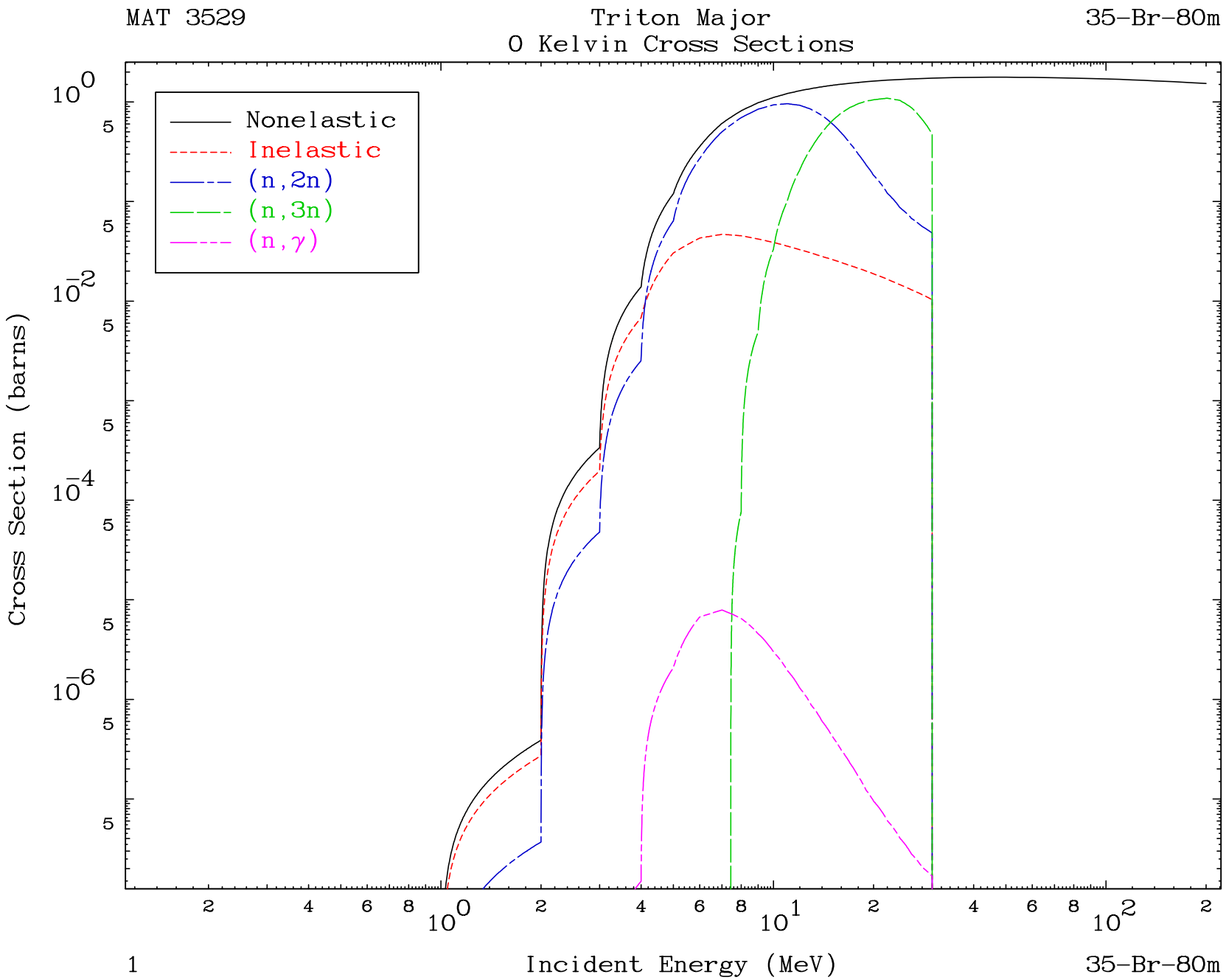
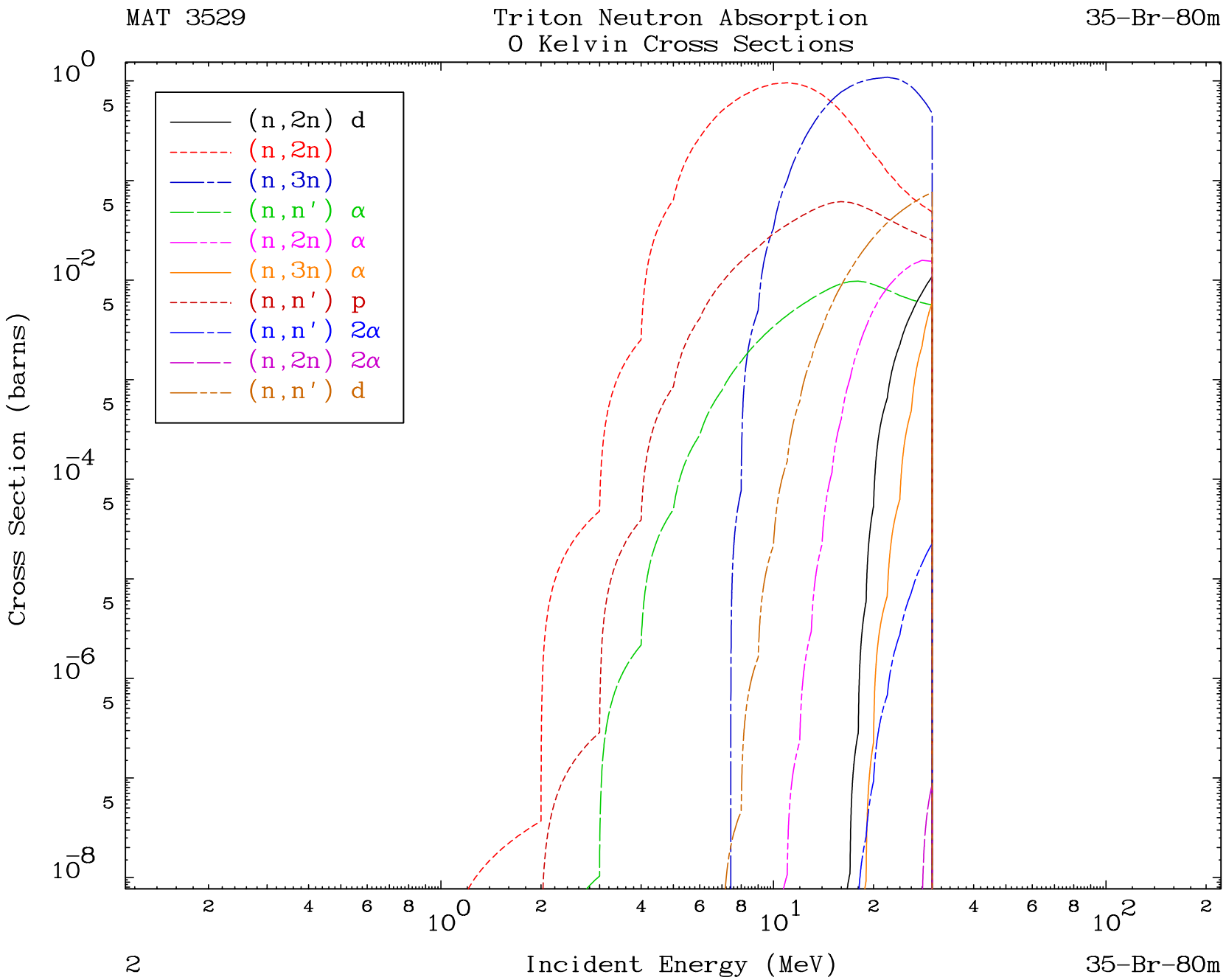
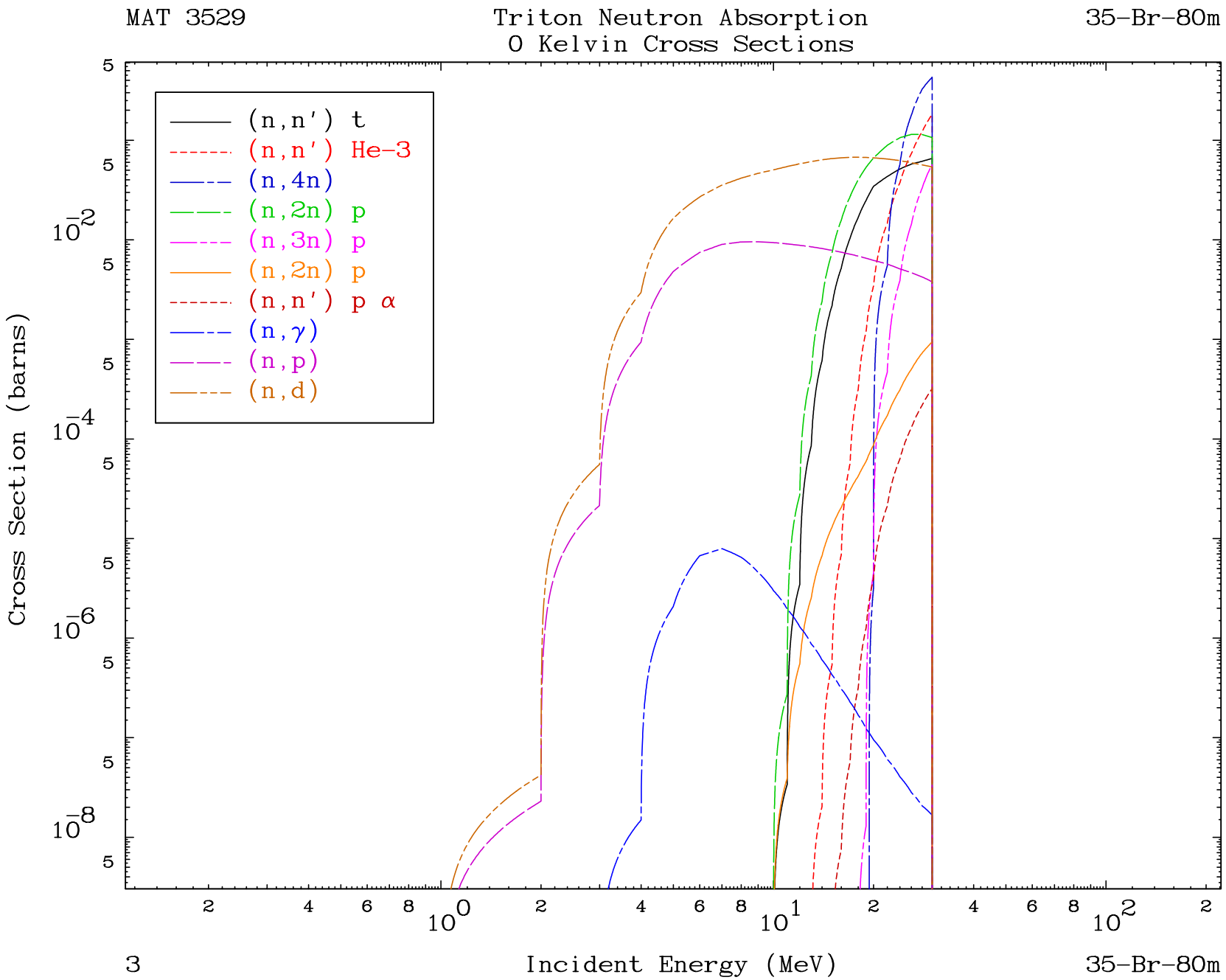
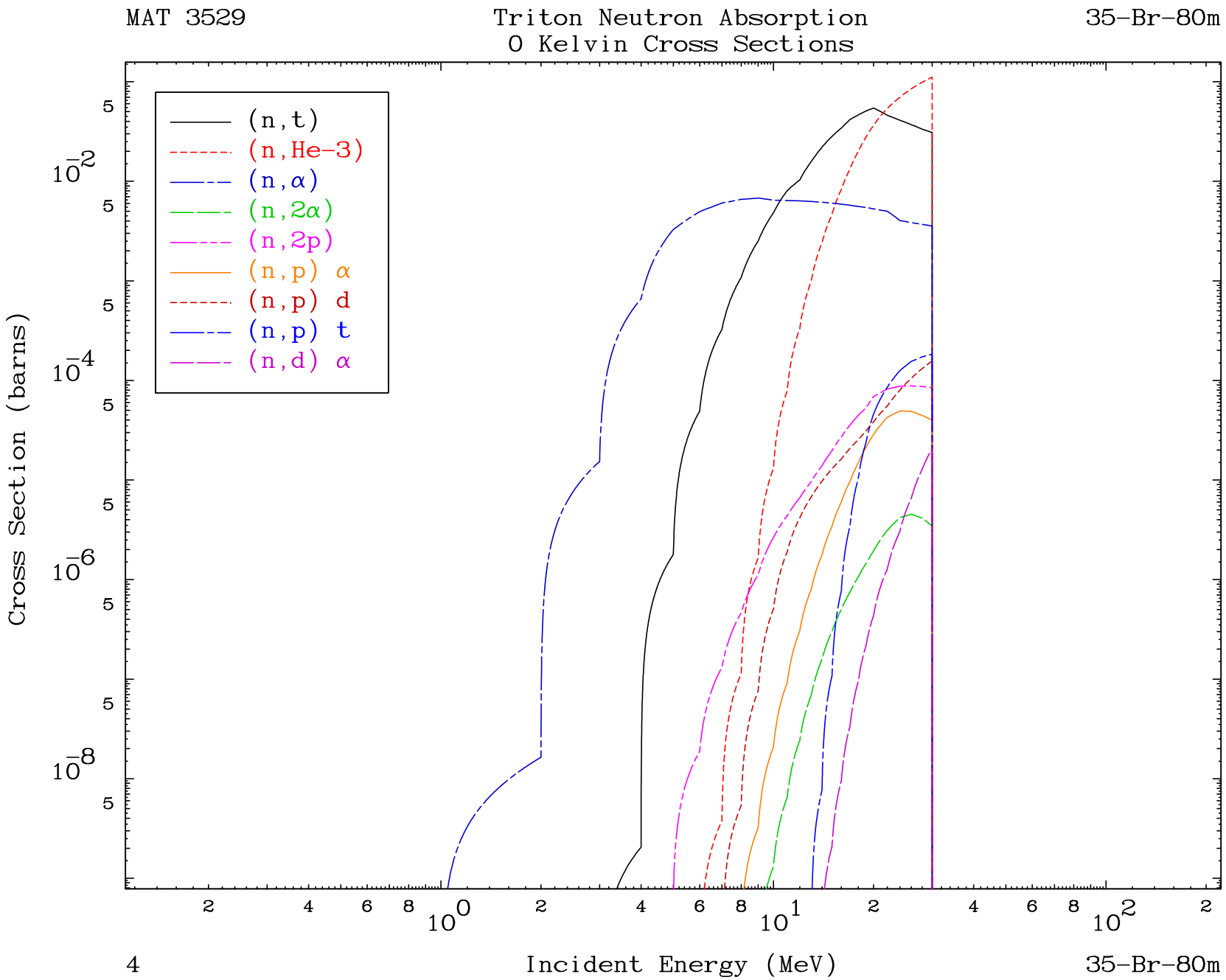
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

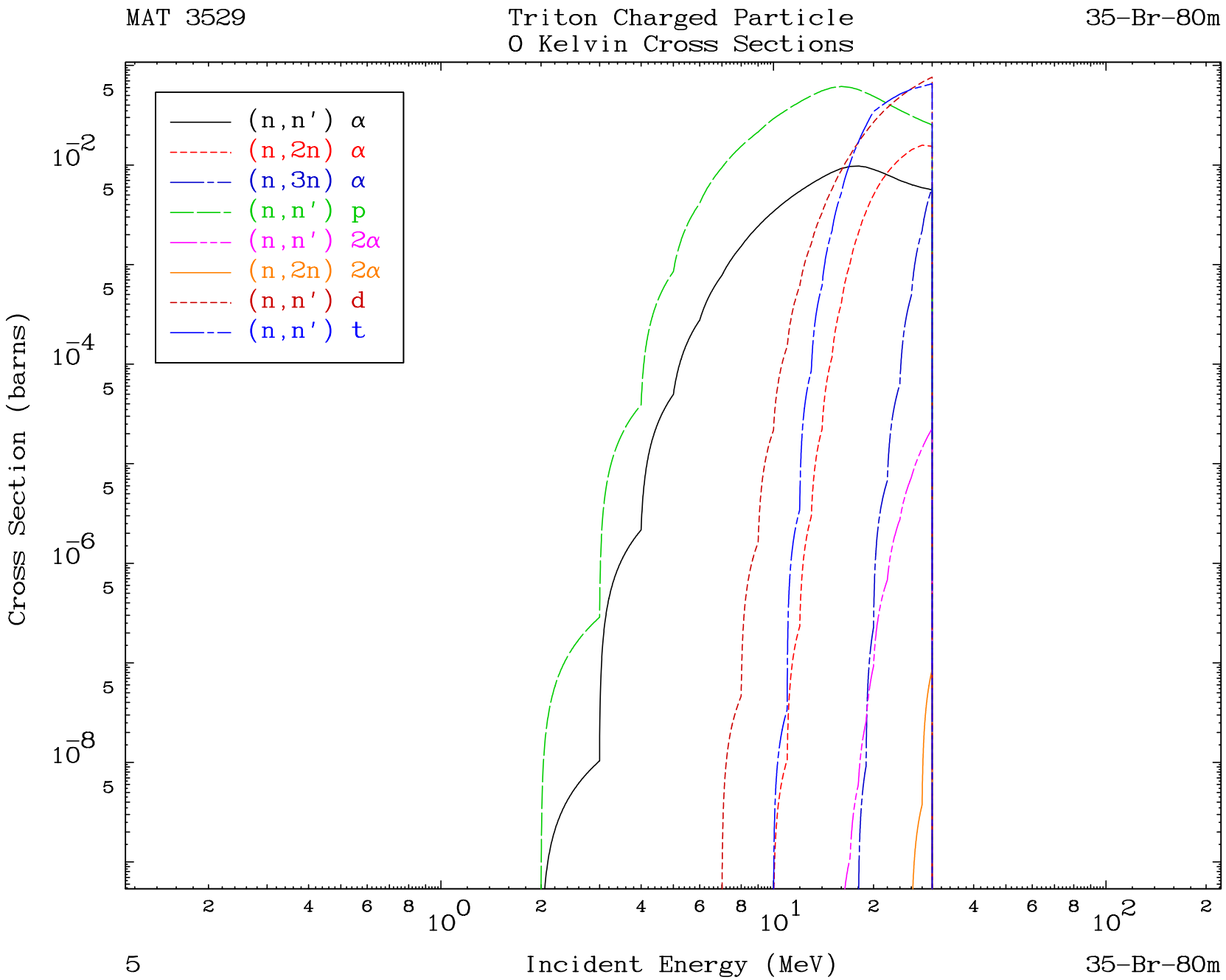
Press Mouse Button to Start

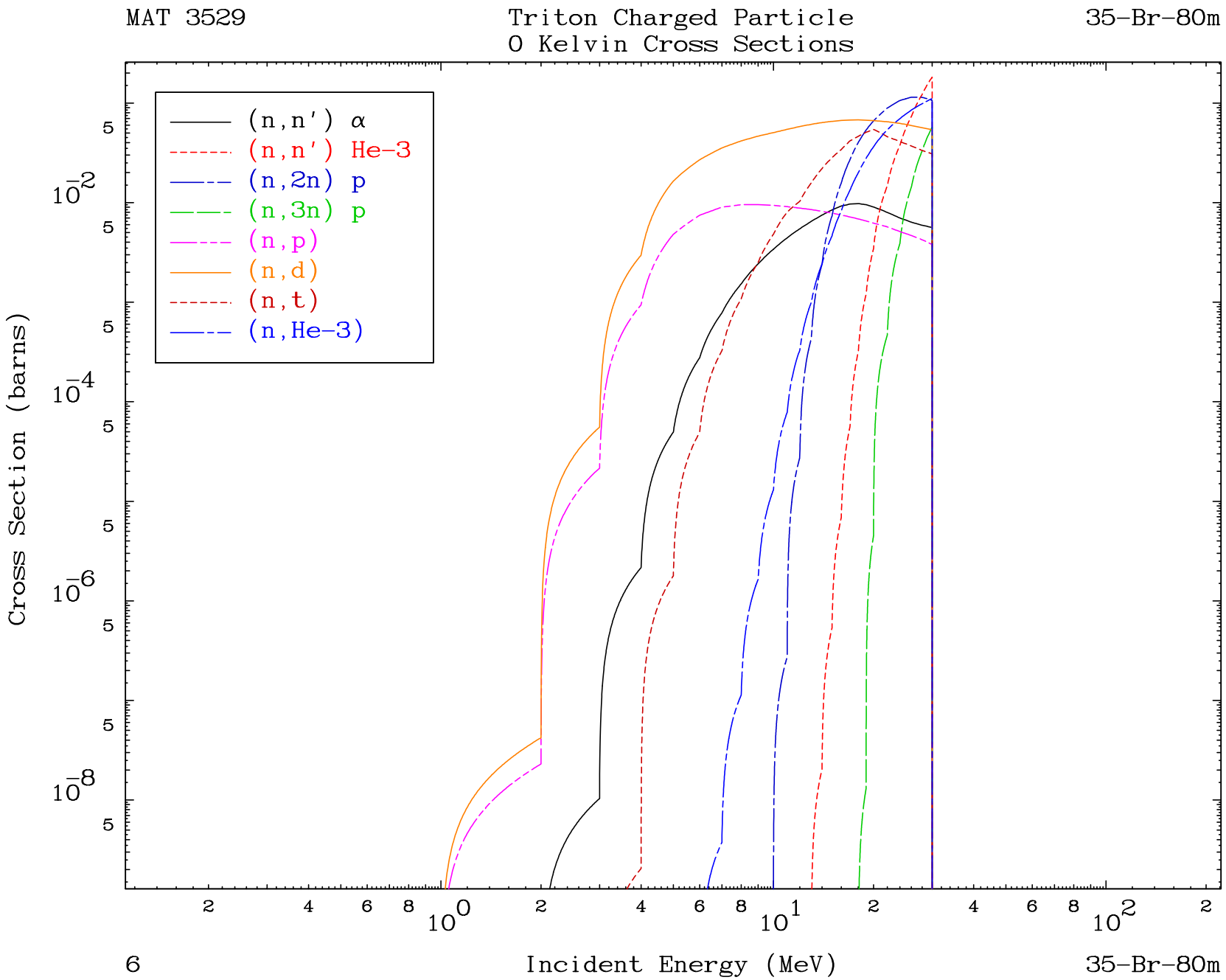

MAT 3529
Triton Major
35-Br-80m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
35-Br-80m

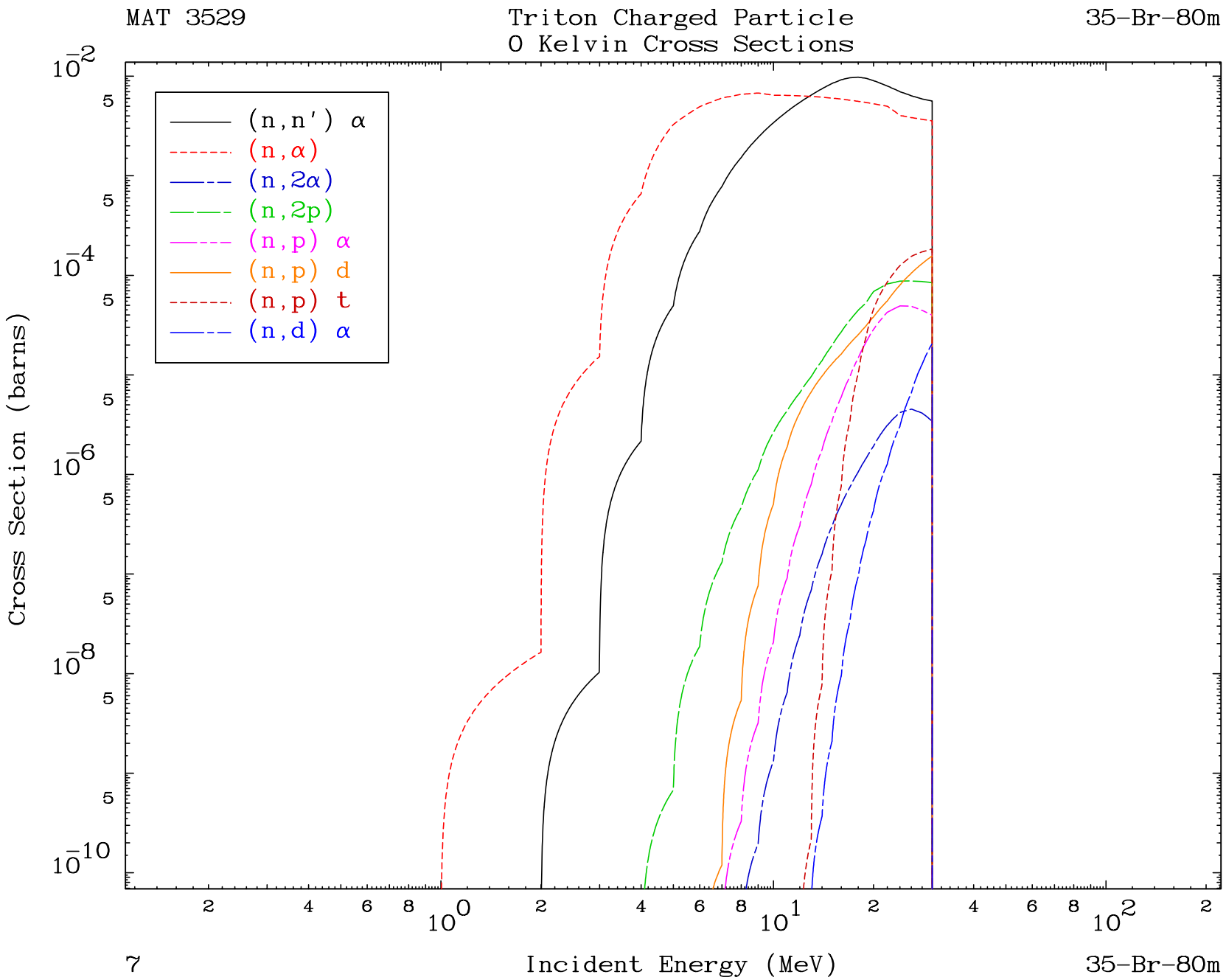

MAT 3529
Triton Neutron Absorption
0 Kelvin Cross Sections
35-Br-80m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
35-Br-80m

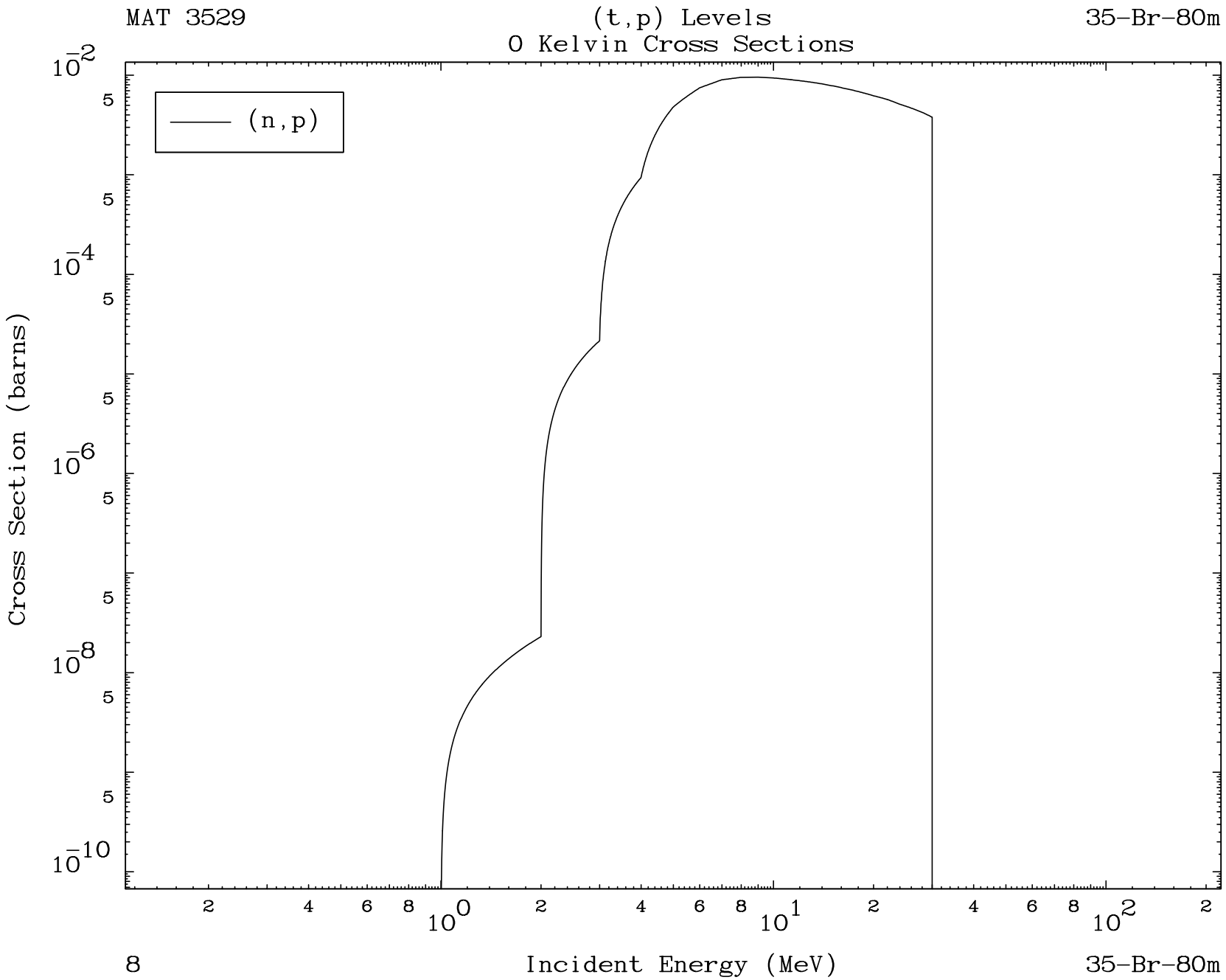

MAT 3529
Triton Neutron Absorption
0 Kelvin Cross Sections
35-Br-80m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
35-Br-80m

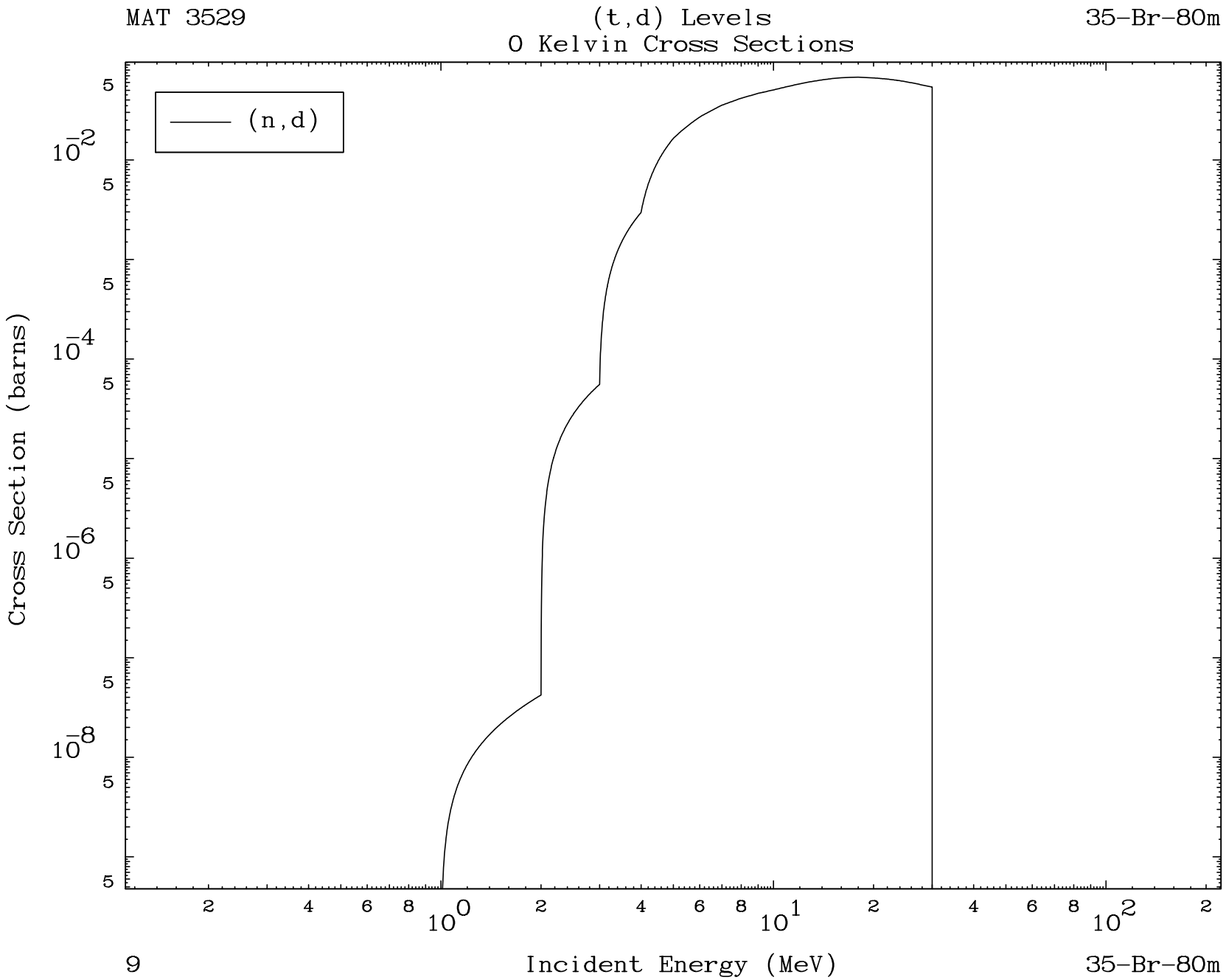

MAT 3529
Triton Neutron Absorption
0 Kelvin Cross Sections
35-Br-80m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
35-Br-80m

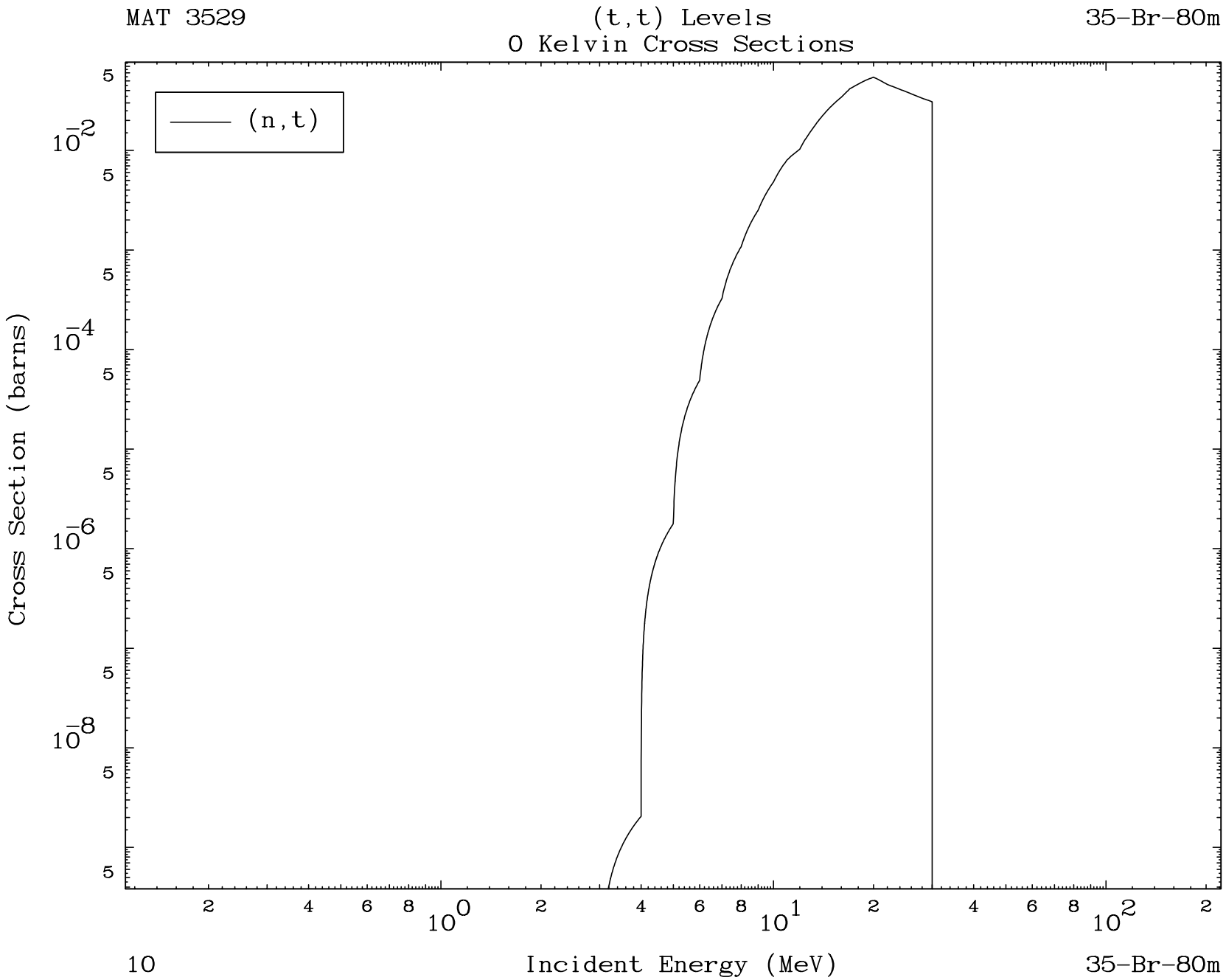

MAT 3529
Triton Charged Particle
0 Kelvin Cross Sections
35-Br-80m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m

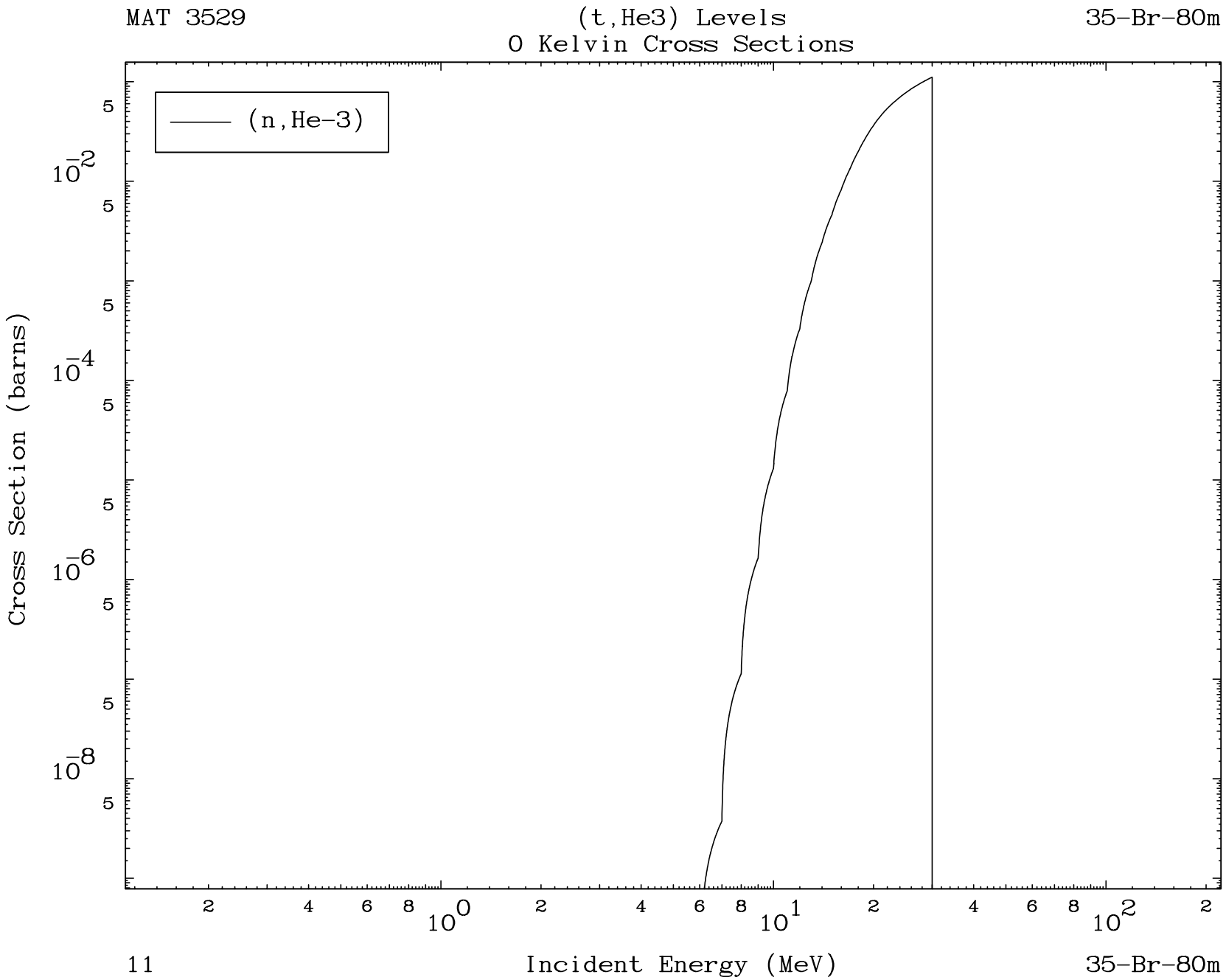

MAT 3529
Triton Charged Particle
0 Kelvin Cross Sections
35-Br-80m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
35-Br-80m

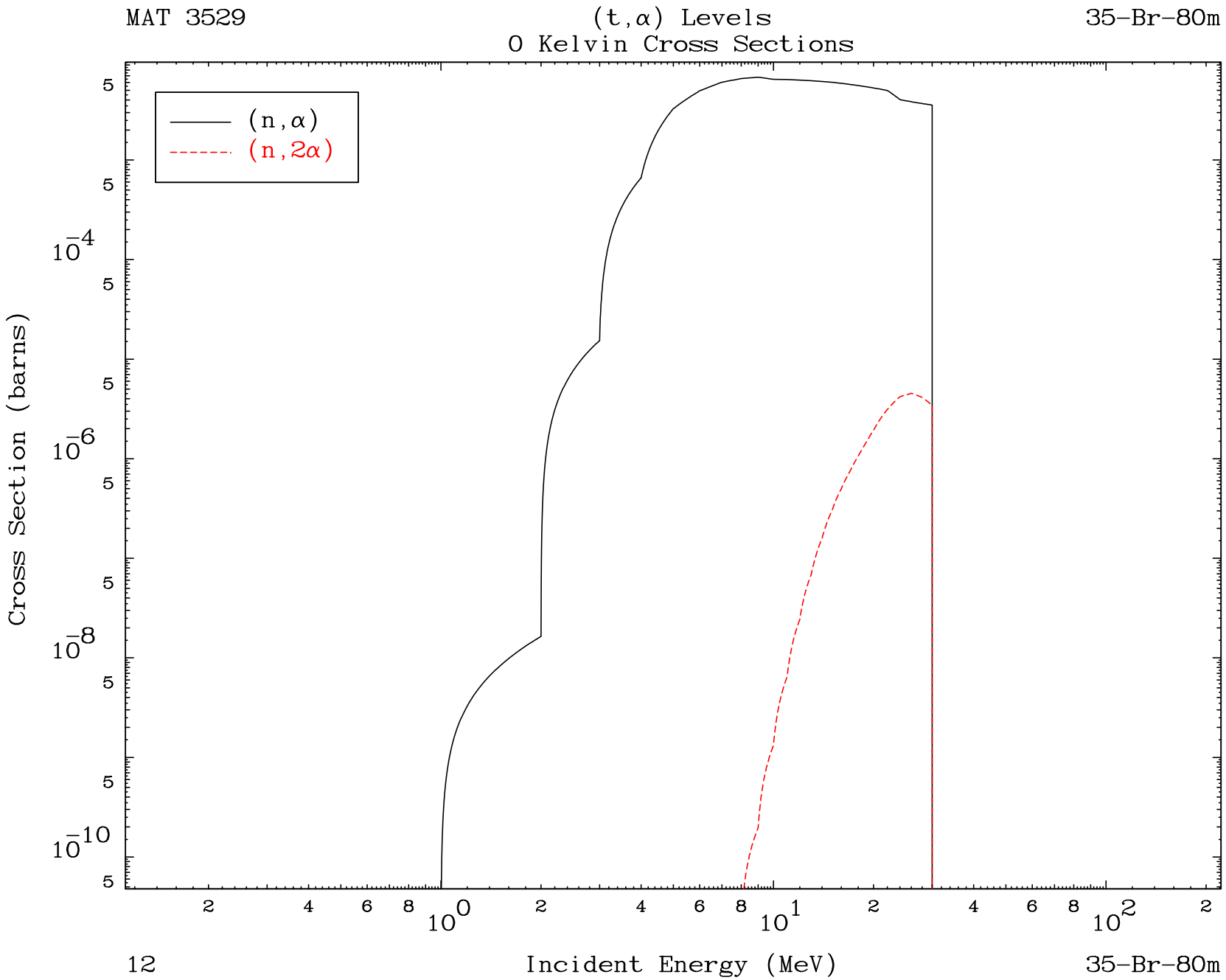

MAT 3529
Triton Charged Particle
0 Kelvin Cross Sections
35-Br-80m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
35-Br-80m

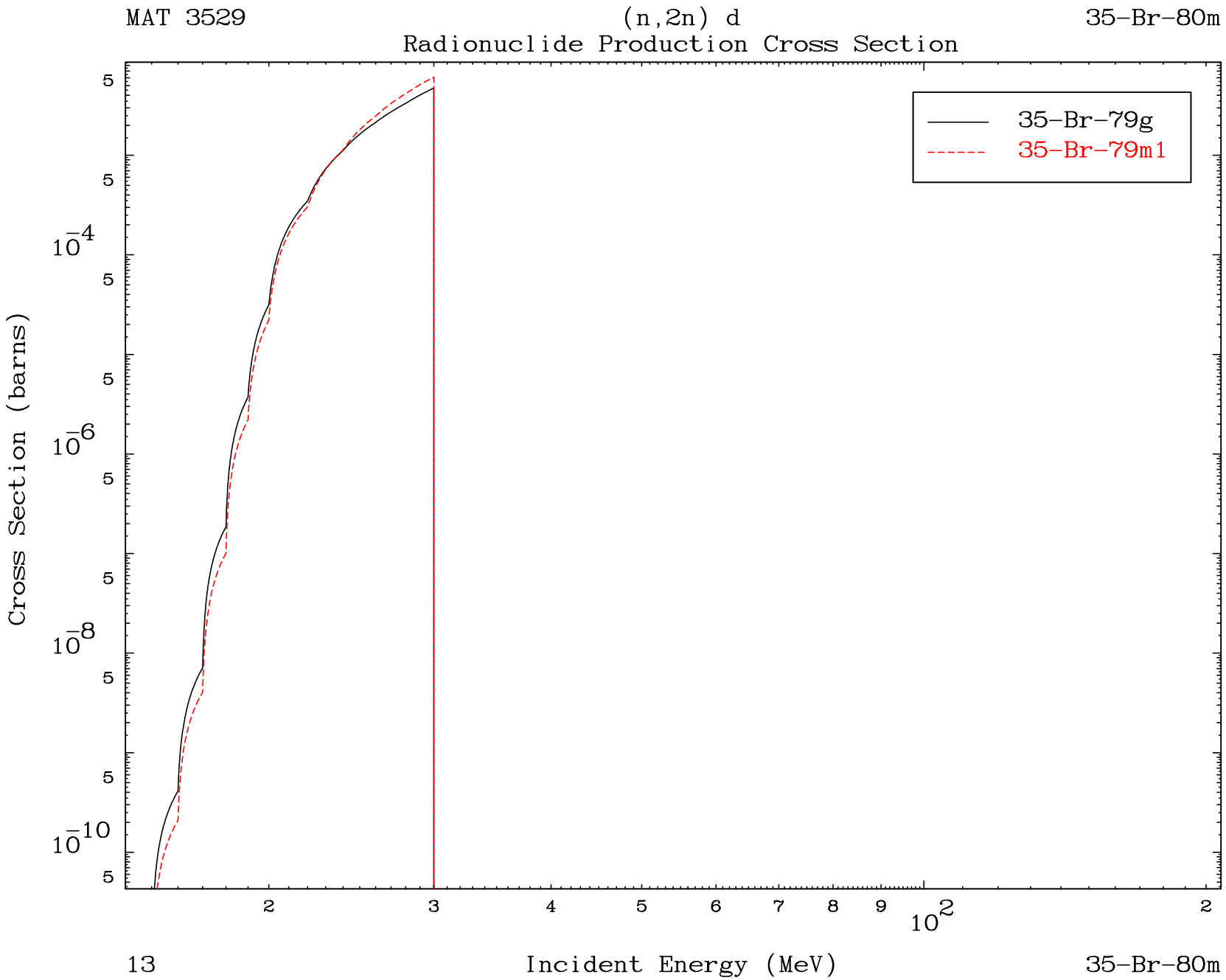

MAT 3529
(t,p) Levels
35-Br-80m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
35-Br-80m

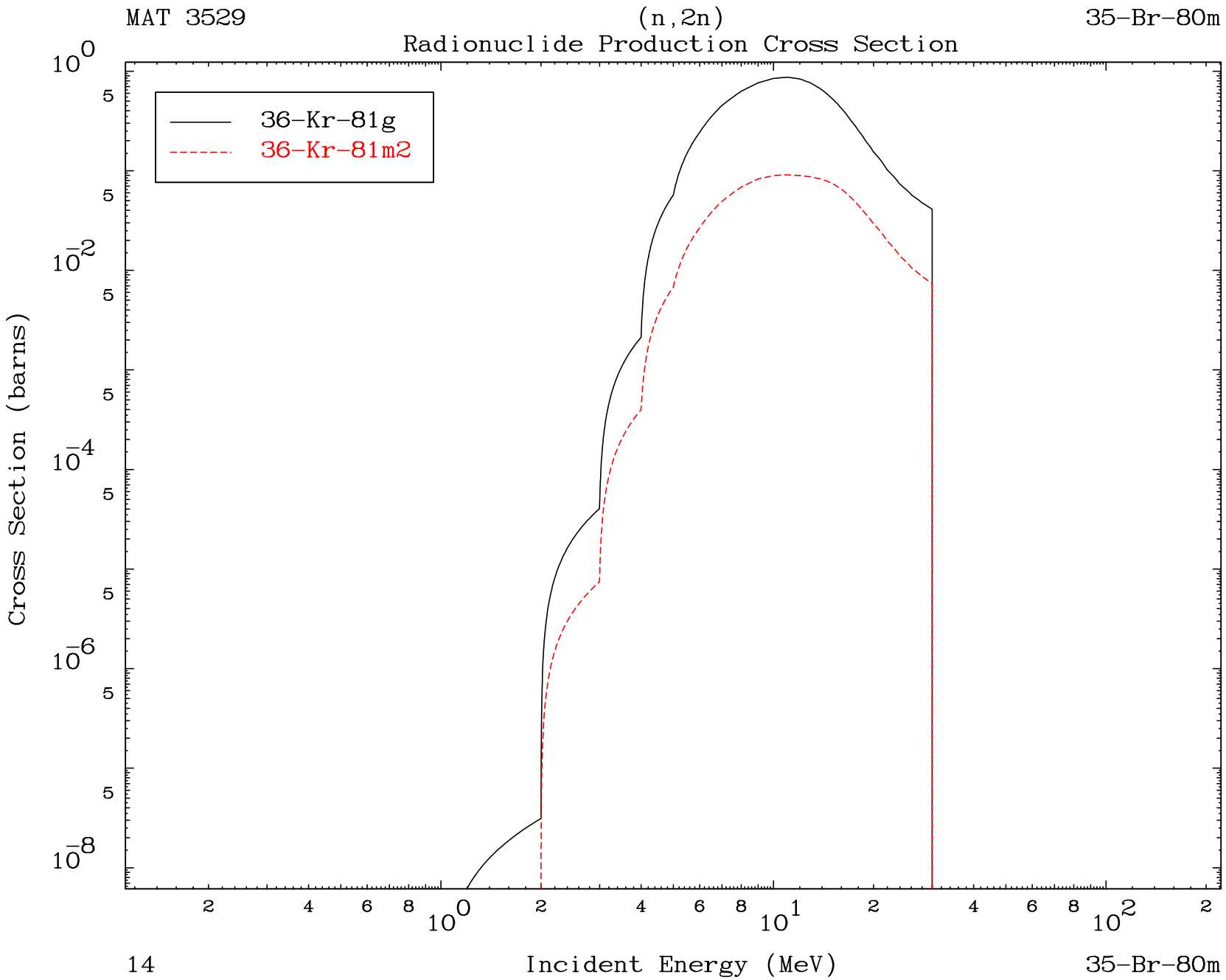

MAT 3529
(t,d) Levels
35-Br-80m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
35-Br-80m

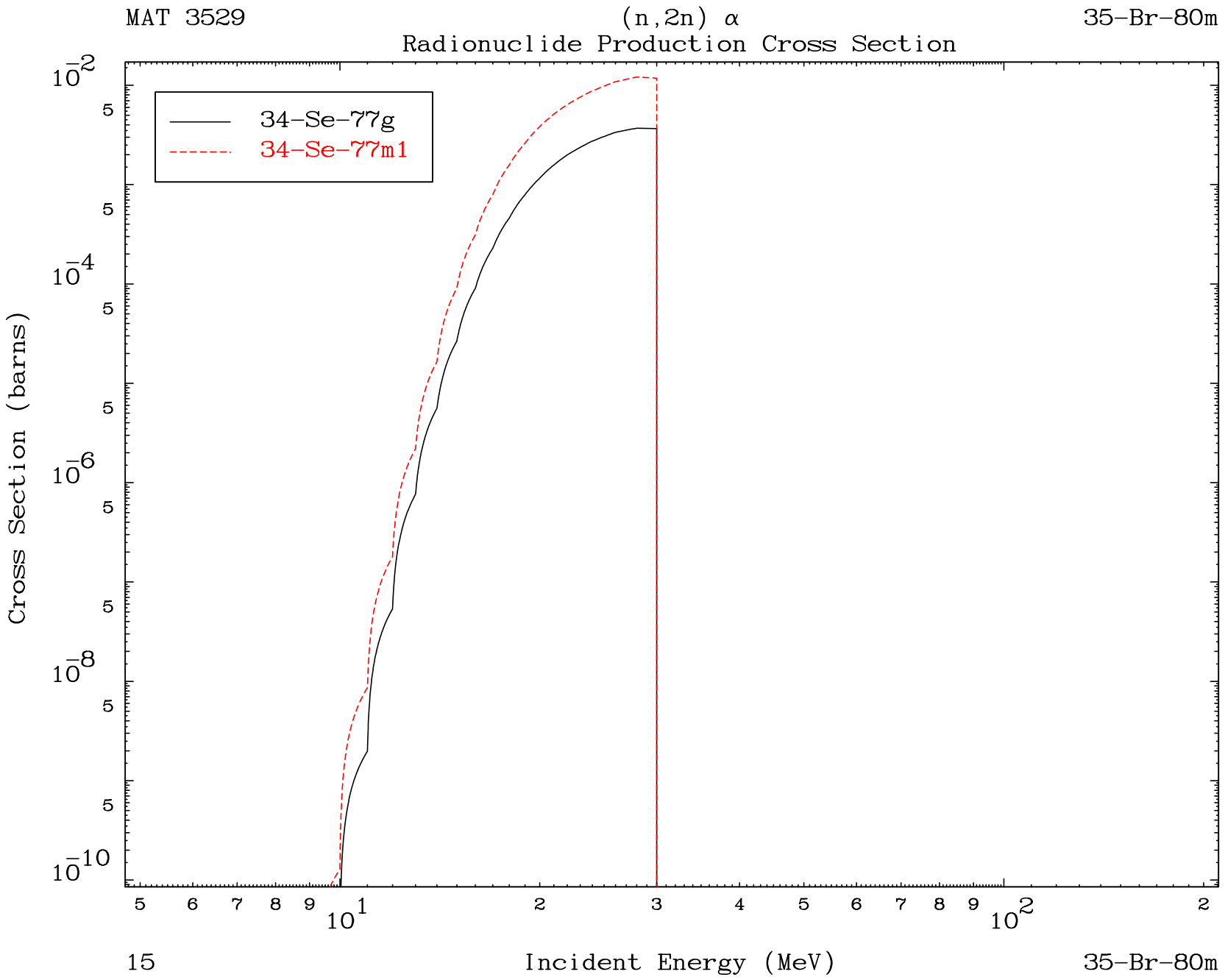

MAT 3529
(t,t) Levels
35-Br-80m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m

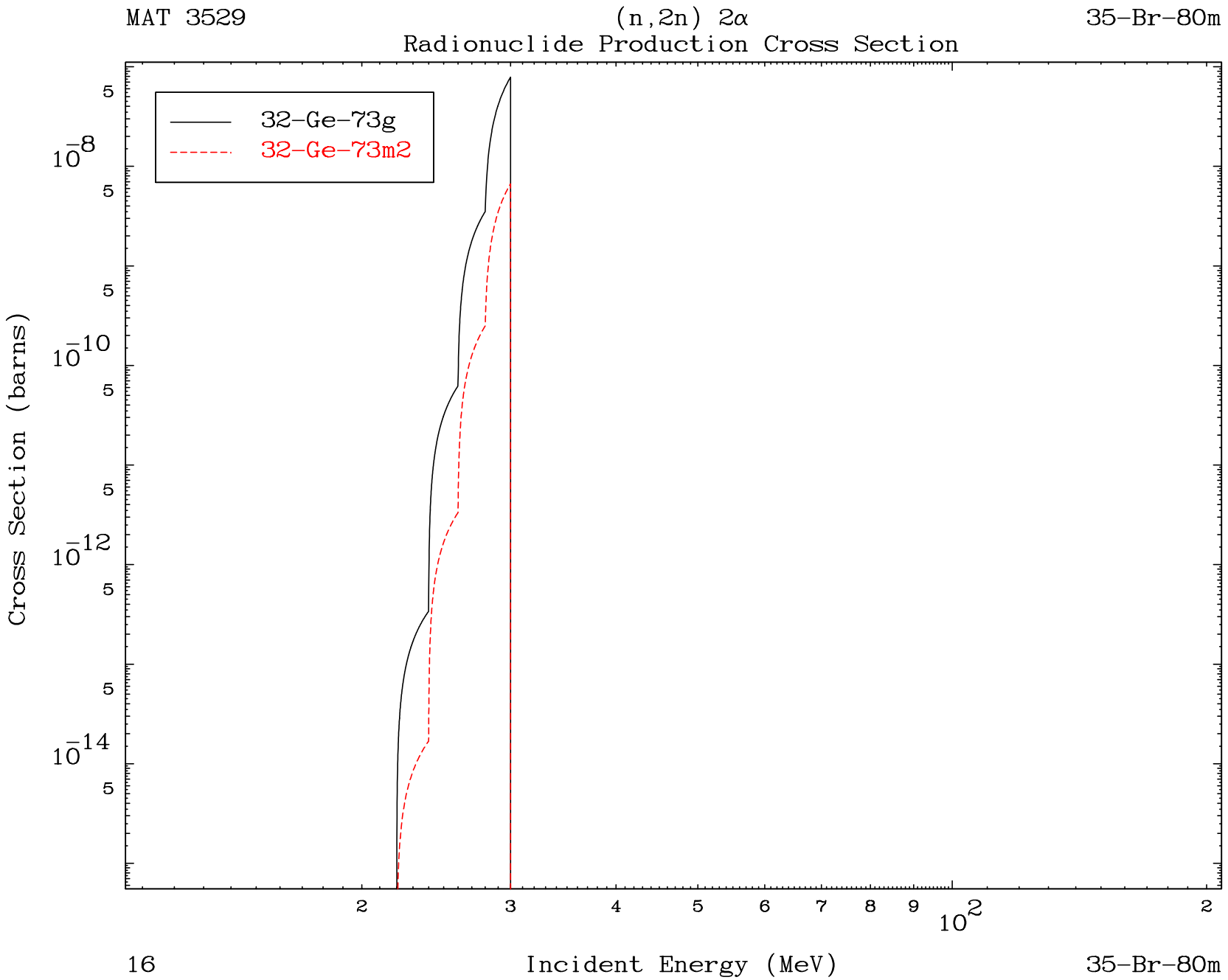

MAT 3529
(t,He3) Levels
35-Br-80m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
35-Br-80m

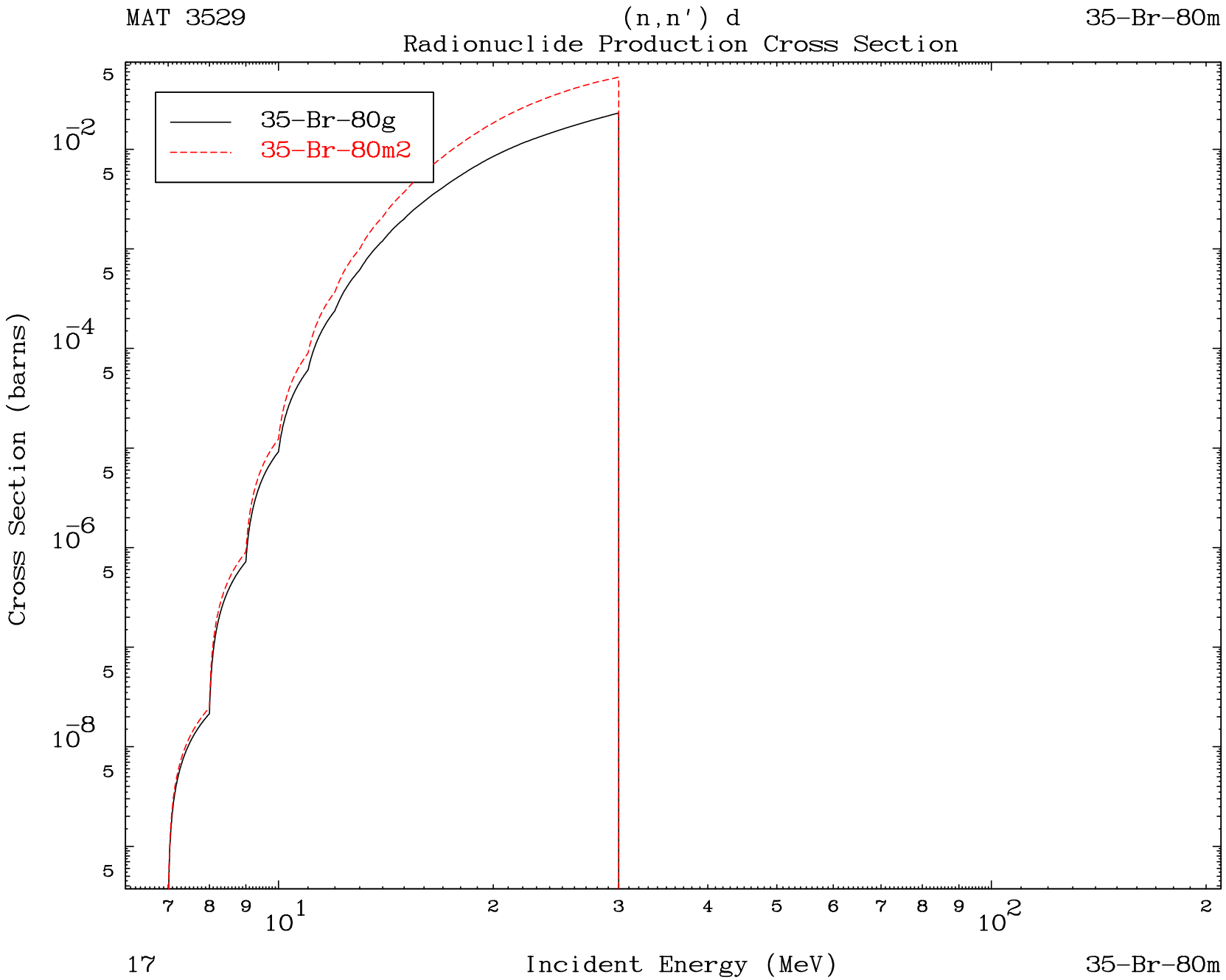

MAT 3529
(t,α) Levels
35-Br-80m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
35-Br-80m

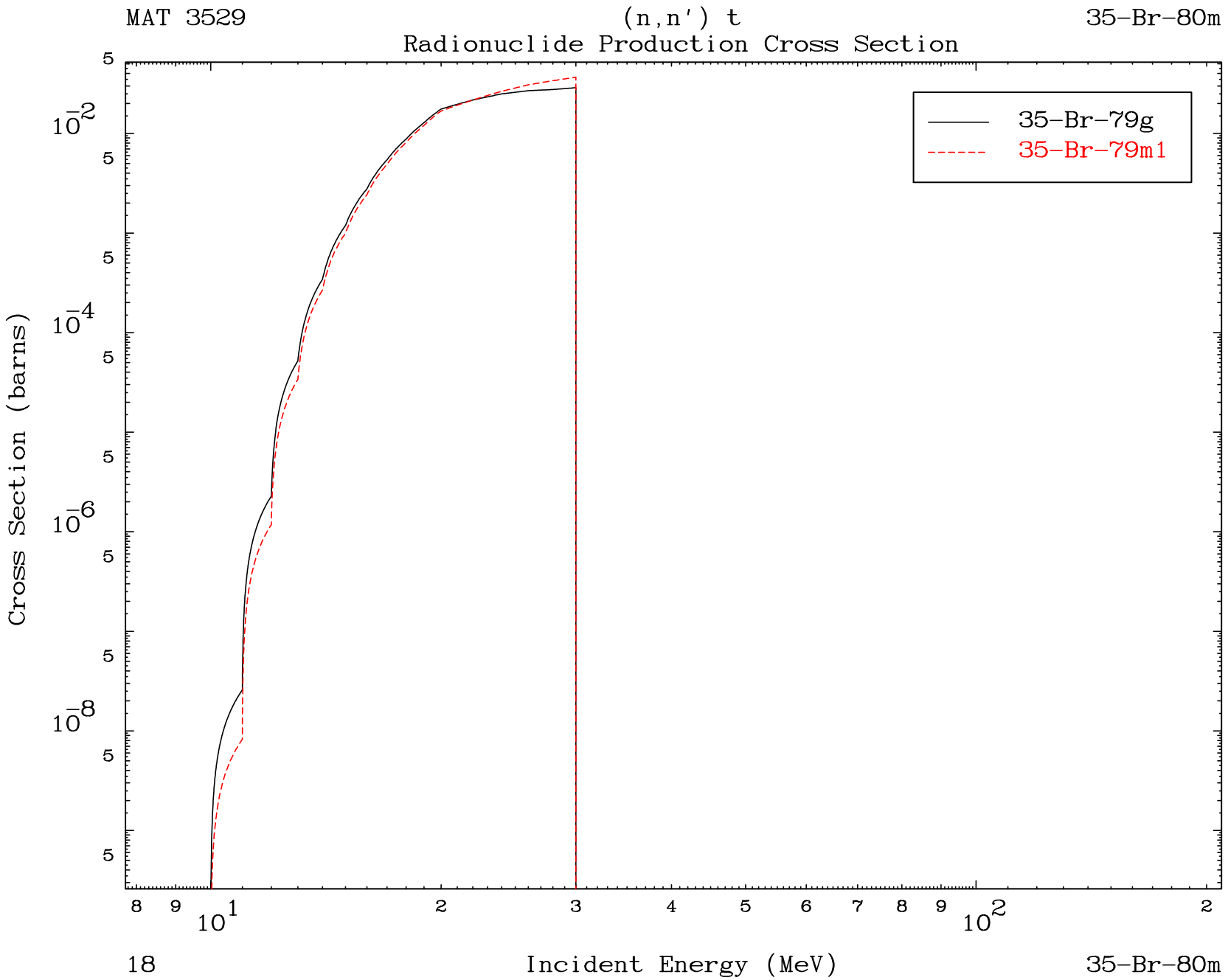

MAT 3529
(n,2n) d
35-Br-80m
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
35-Br-80m

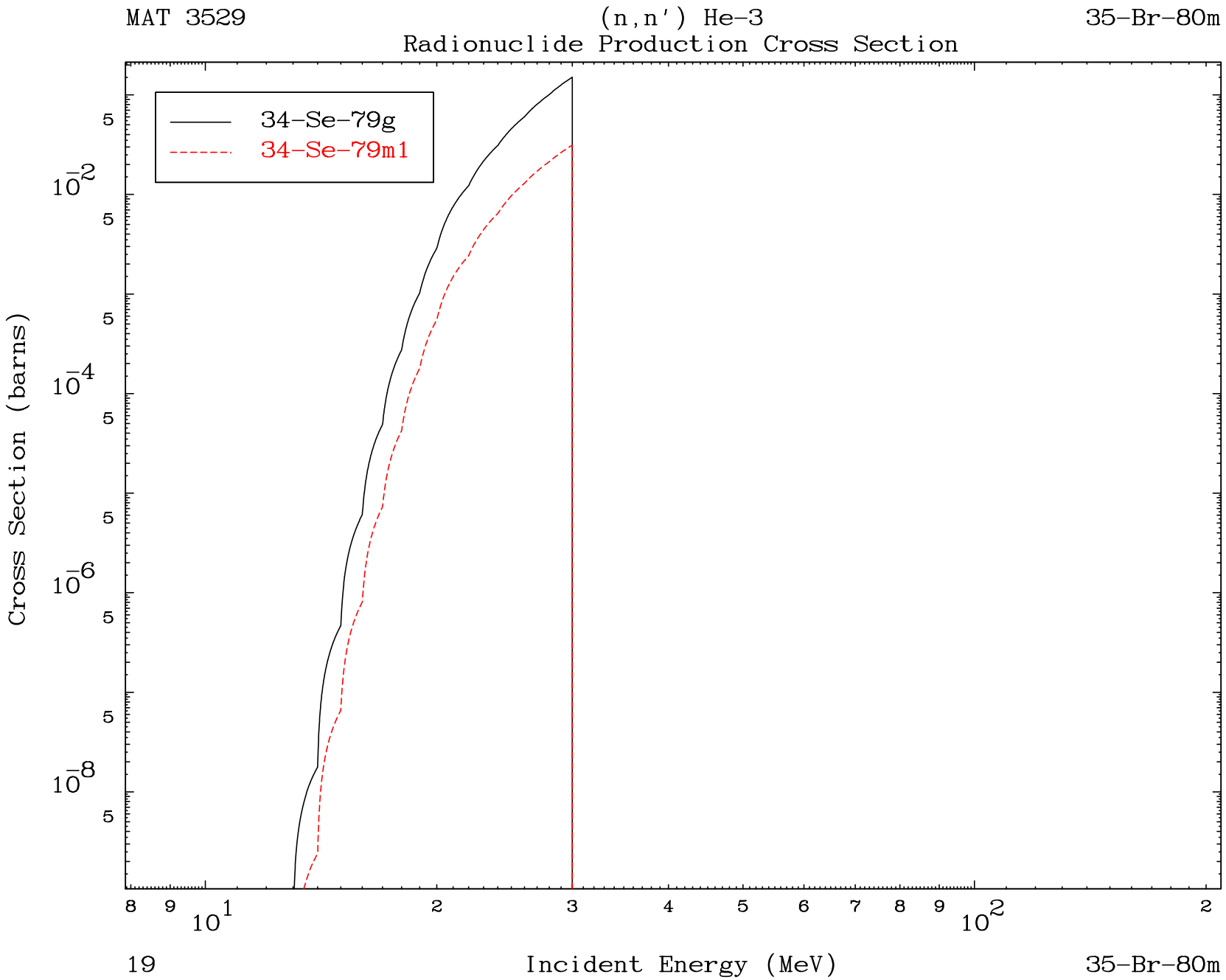

MAT 3529
(n,2n)
35-Br-80m
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
14
35-Br-80m

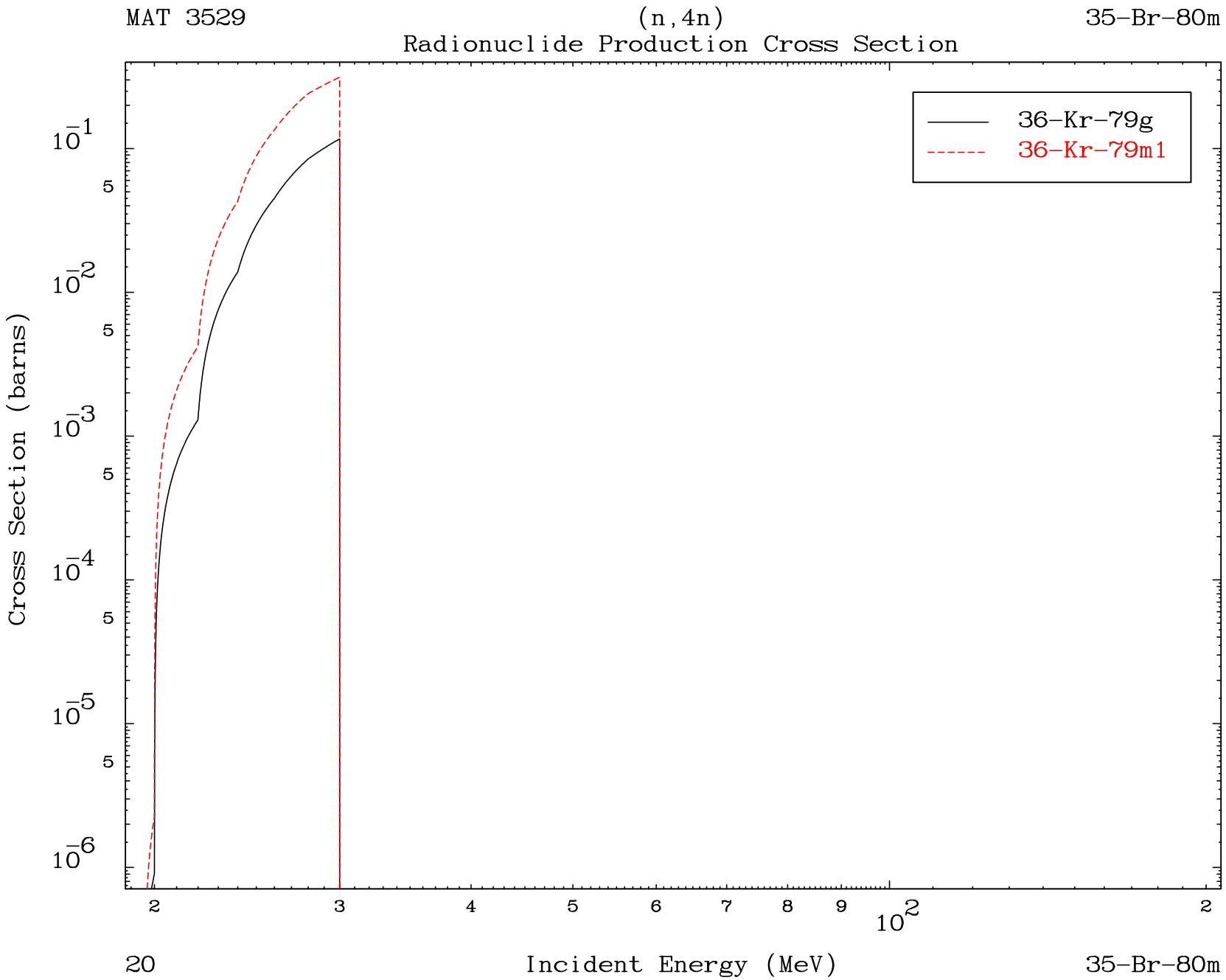

MAT 3529
(n,2n) α
35-Br-80m
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
Incident Energy (MeV)
15
35-Br-80m

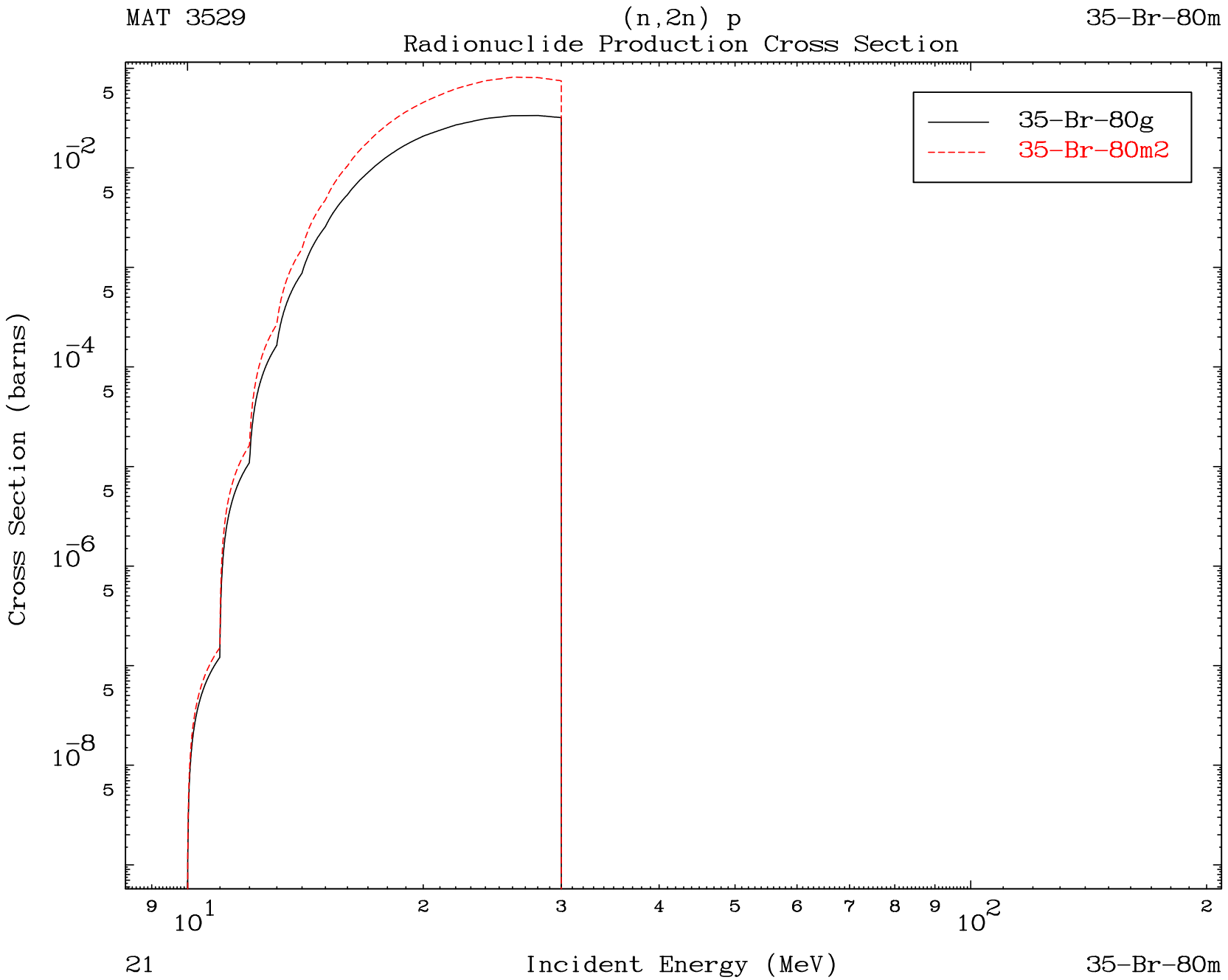

MAT 3529
(n,2n) 2α
35-Br-80m
Radionuclide Production Cross Section
32-Ge-73g
32-Ge-73m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
16
35-Br-80m

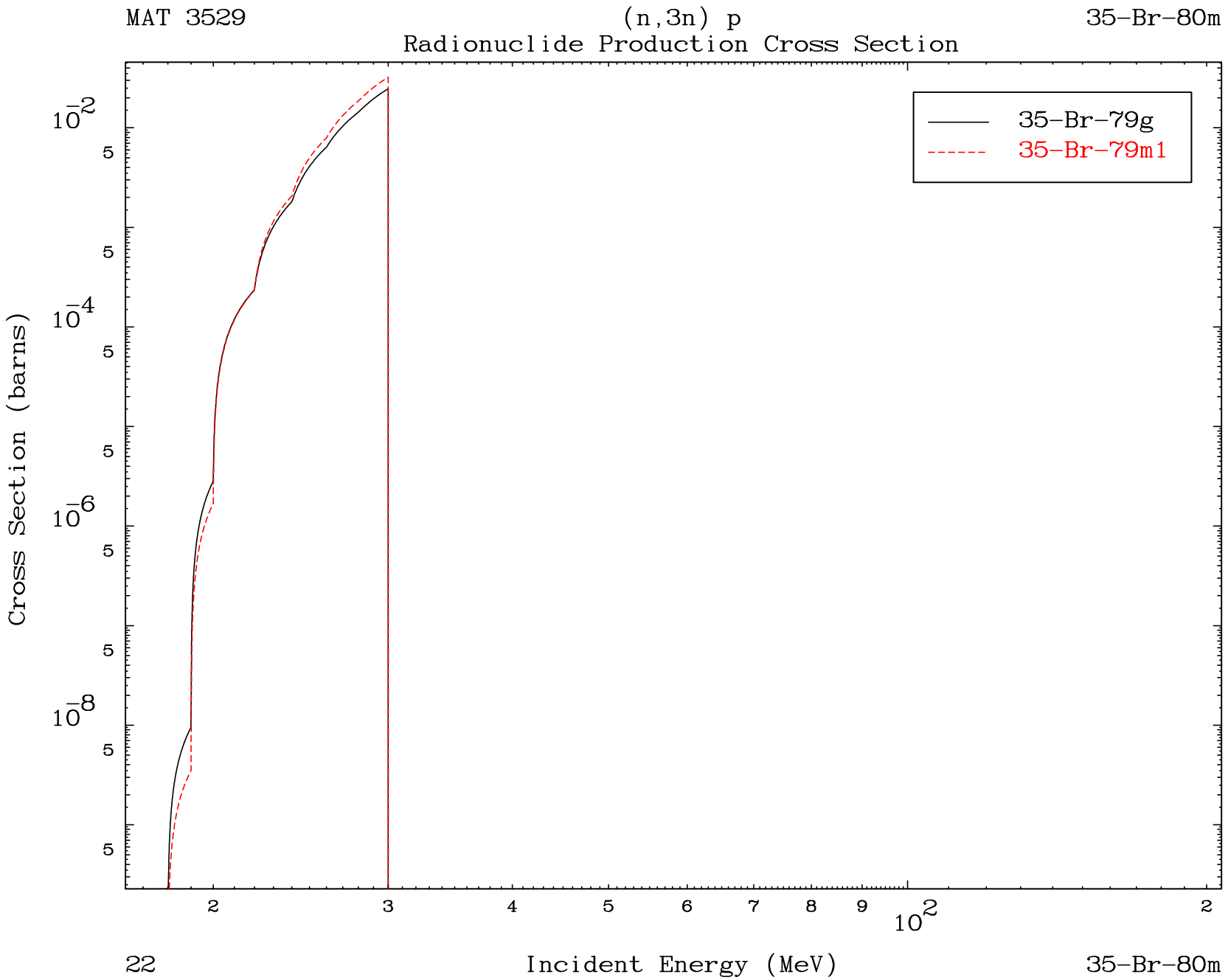

MAT 3529
(n,n') d
35-Br-80m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
Incident Energy (MeV)
17
35-Br-80m

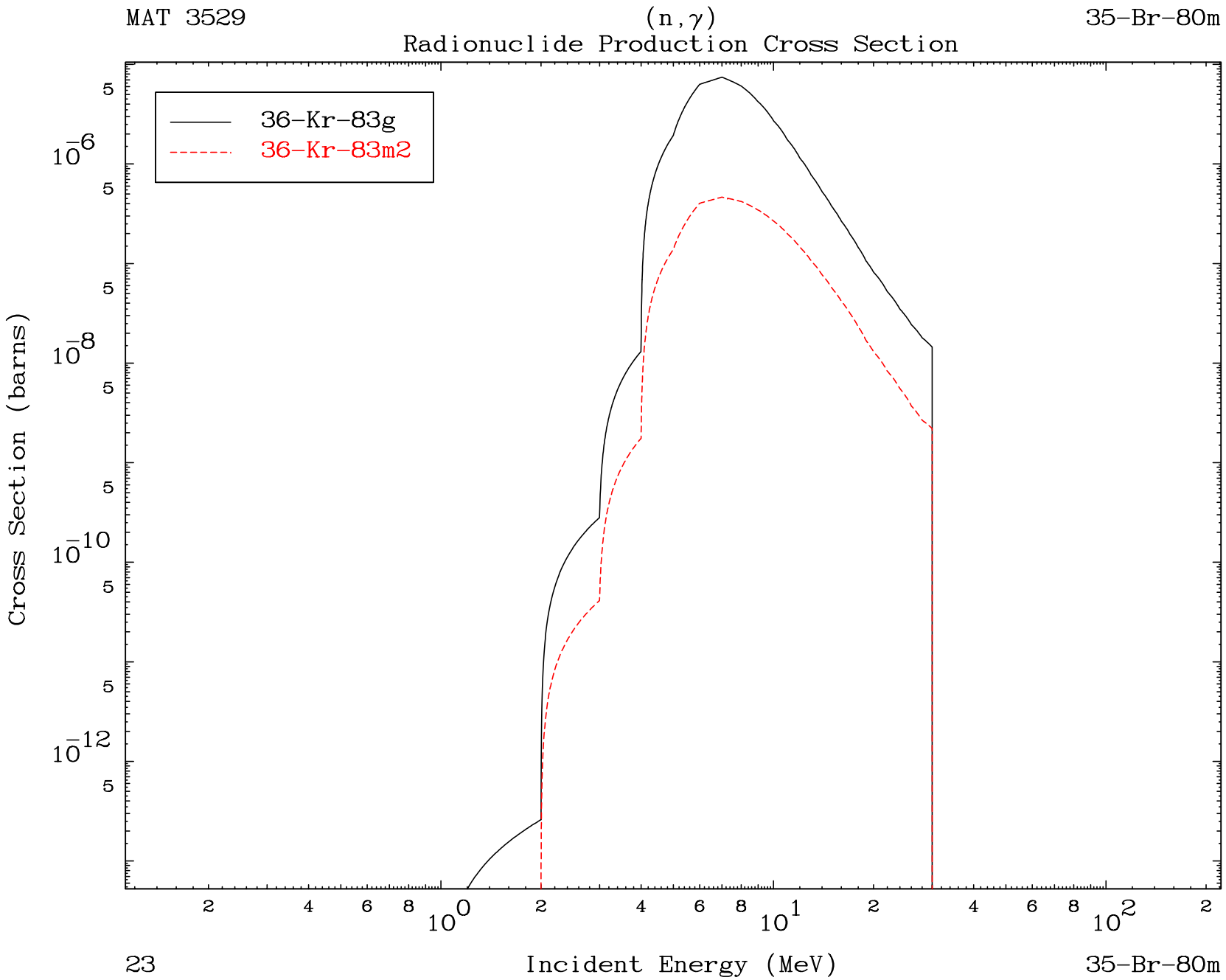

MAT 3529
(n,n') t
35-Br-80m
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
Incident Energy (MeV)
18
35-Br-80m

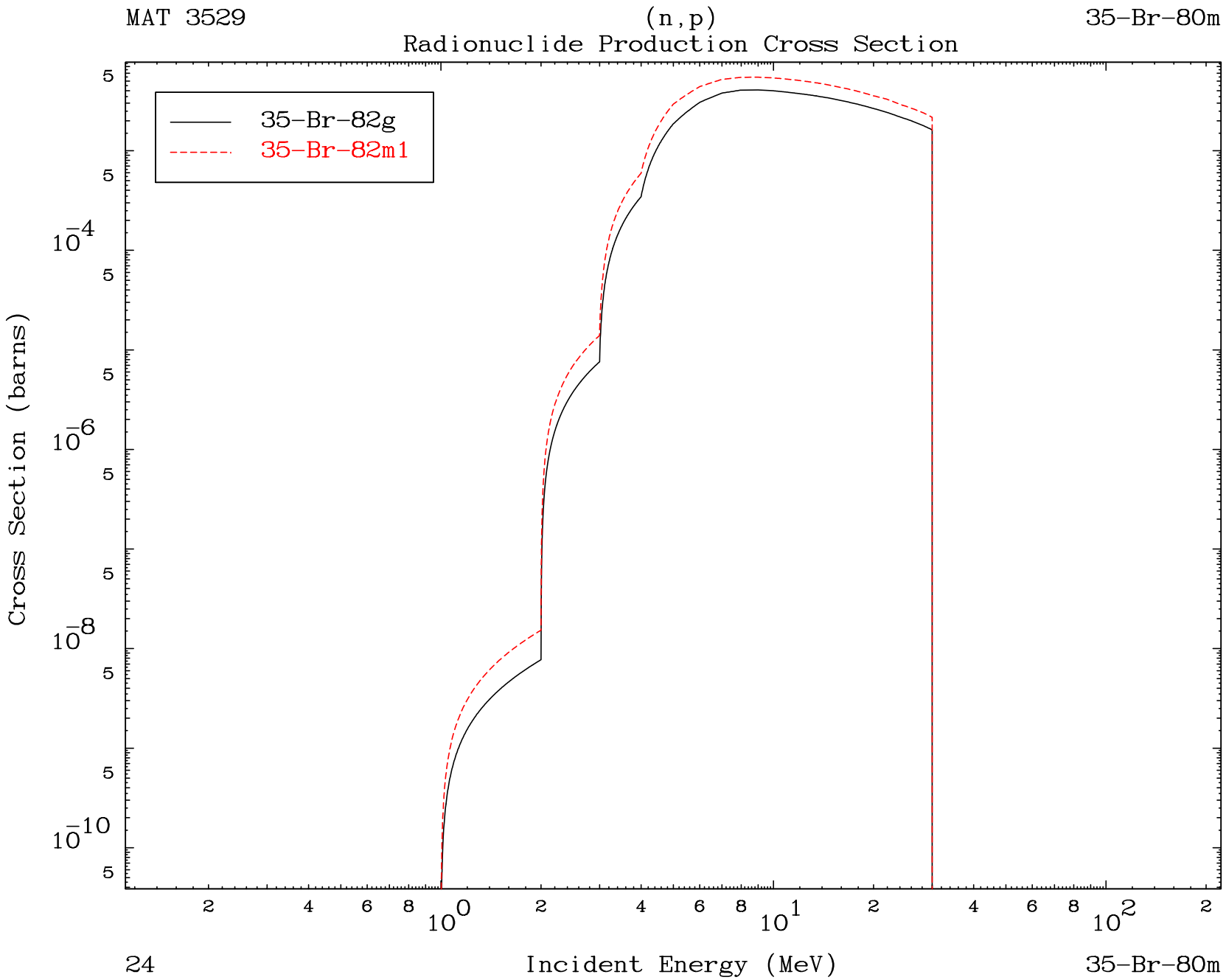

MAT 3529
(n,n') He-3
35-Br-80m
Radionuclide Production Cross Section
34-Se-79g
34-Se-79m1
Cross Section (barns)
Incident Energy (MeV)
19
35-Br-80m

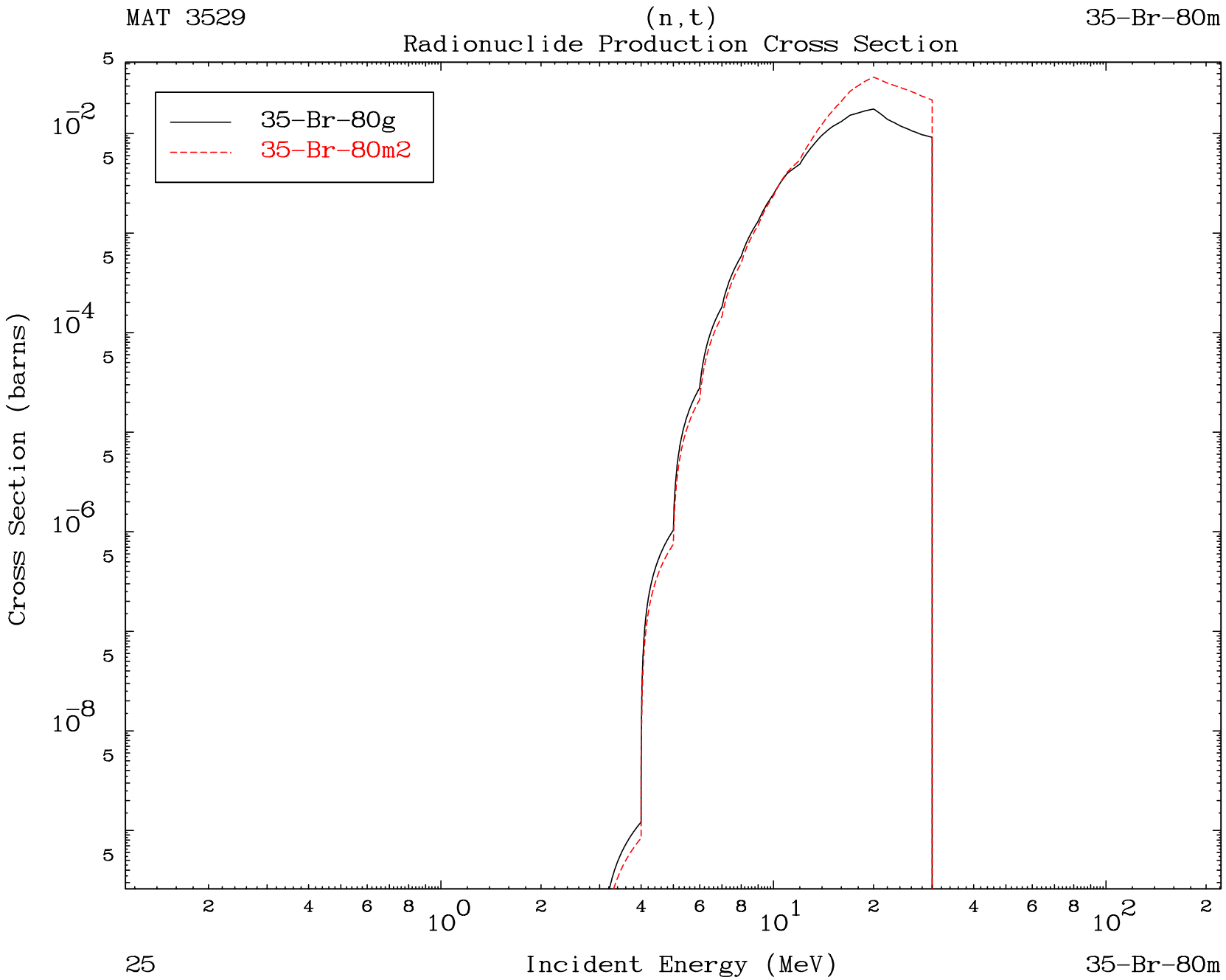

MAT 3529
(n,4n)
35-Br-80m
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
Incident Energy (MeV)
20
35-Br-80m

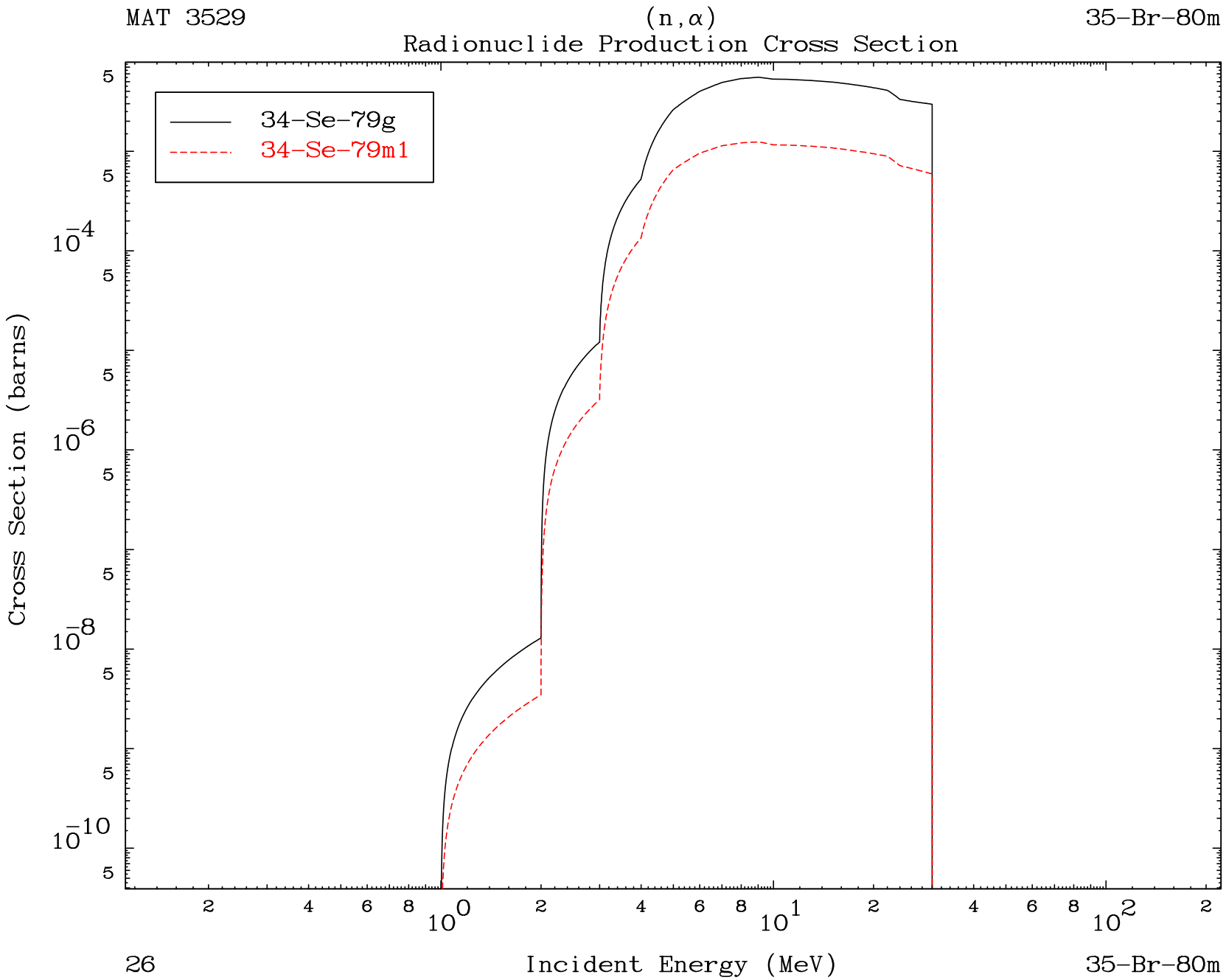

MAT 3529
(n,2n) p
35-Br-80m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
Incident Energy (MeV)
21
35-Br-80m

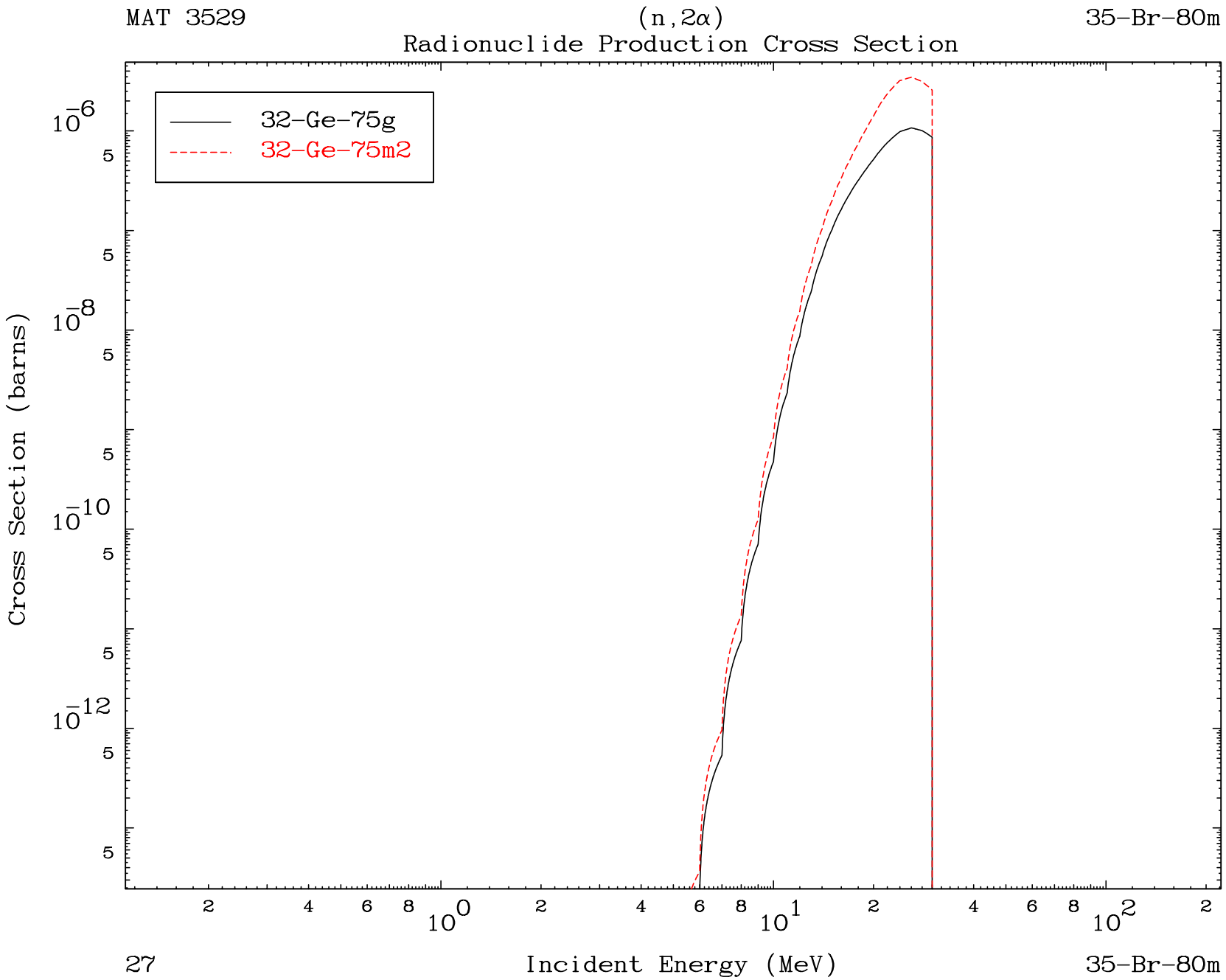

MAT 3529
(n,3n) p
35-Br-80m
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
35-Br-80m

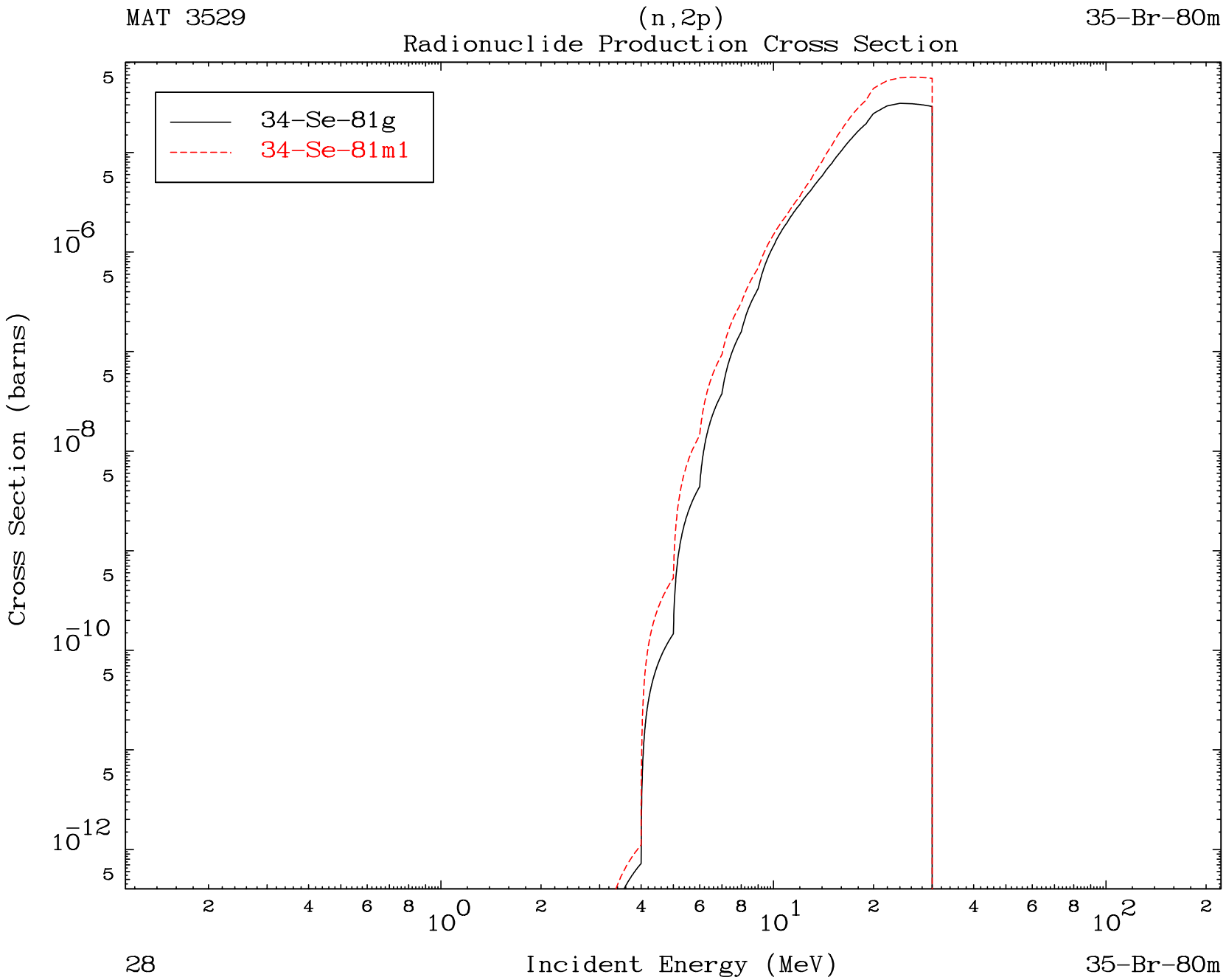

MAT 3529
(n,γ)
35-Br-80m
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
23
35-Br-80m

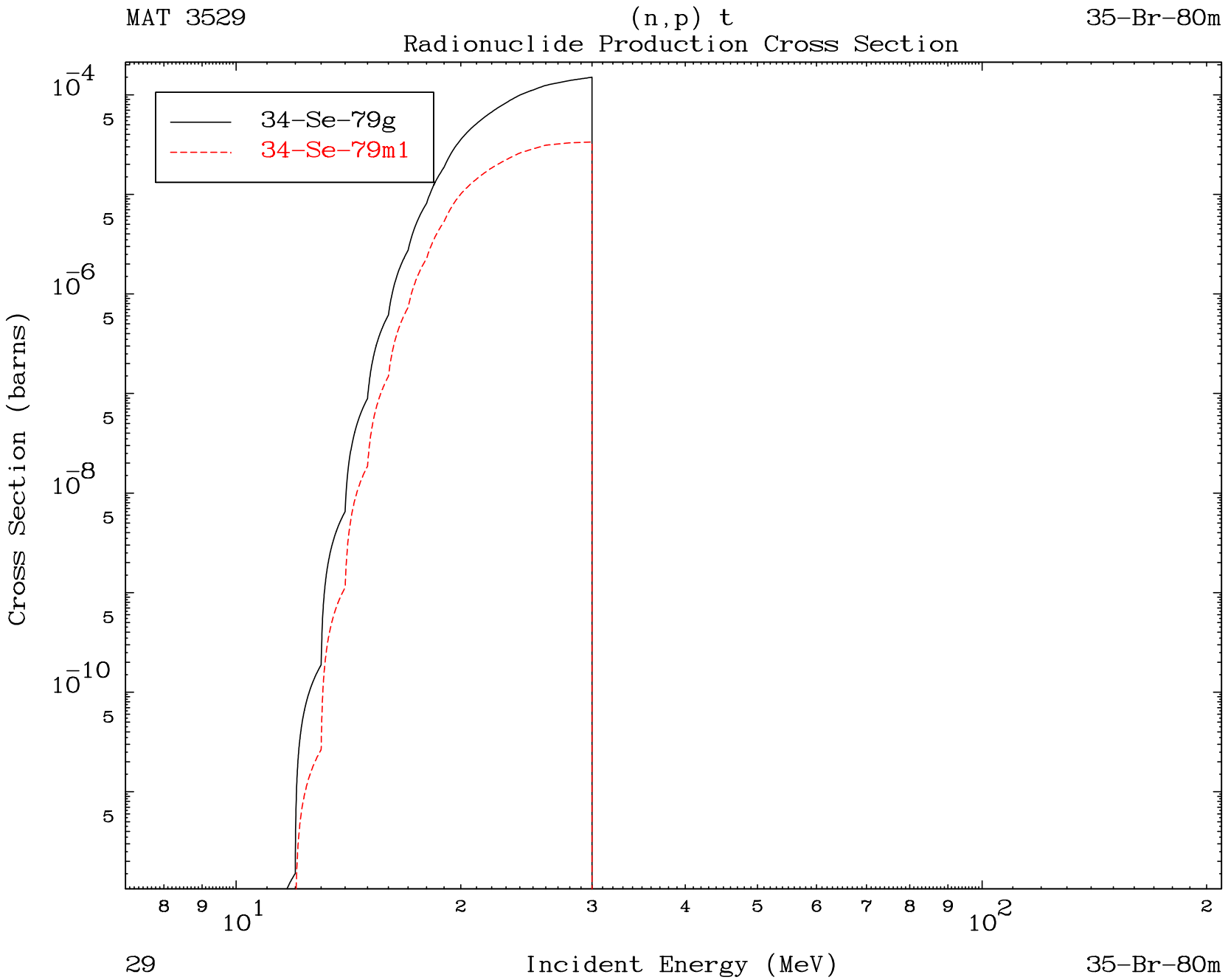

MAT 3529
(n,p)
35-Br-80m
Radionuclide Production Cross Section
35-Br-82g
35-Br-82m1
Cross Section (barns)
Incident Energy (MeV)
24
35-Br-80m


MAT 3529
(n,t)
35-Br-80m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
Incident Energy (MeV)
25
35-Br-80m


MAT 3529
(n,α)
35-Br-80m
Radionuclide Production Cross Section
34-Se-79g
34-Se-79m1
Cross Section (barns)
Incident Energy (MeV)
26
35-Br-80m


MAT 3529
(n,2α)
35-Br-80m
Radionuclide Production Cross Section
32-Ge-75g
32-Ge-75m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^0
10^1
10^2
2
4
6
8
27
Incident Energy (MeV)
35-Br-80m


MAT 3529
(n,2p)
35-Br-80m
Radionuclide Production Cross Section
34-Se-81g
34-Se-81m1
Cross Section (barns)
Incident Energy (MeV)
28
35-Br-80m


MAT 3529
(n,p) t
35-Br-80m
Radionuclide Production Cross Section
34-Se-79g
34-Se-79m1
Cross Section (barns)
Incident Energy (MeV)
29
35-Br-80m