Program EVALPLOT
(Version 2021-1)
by
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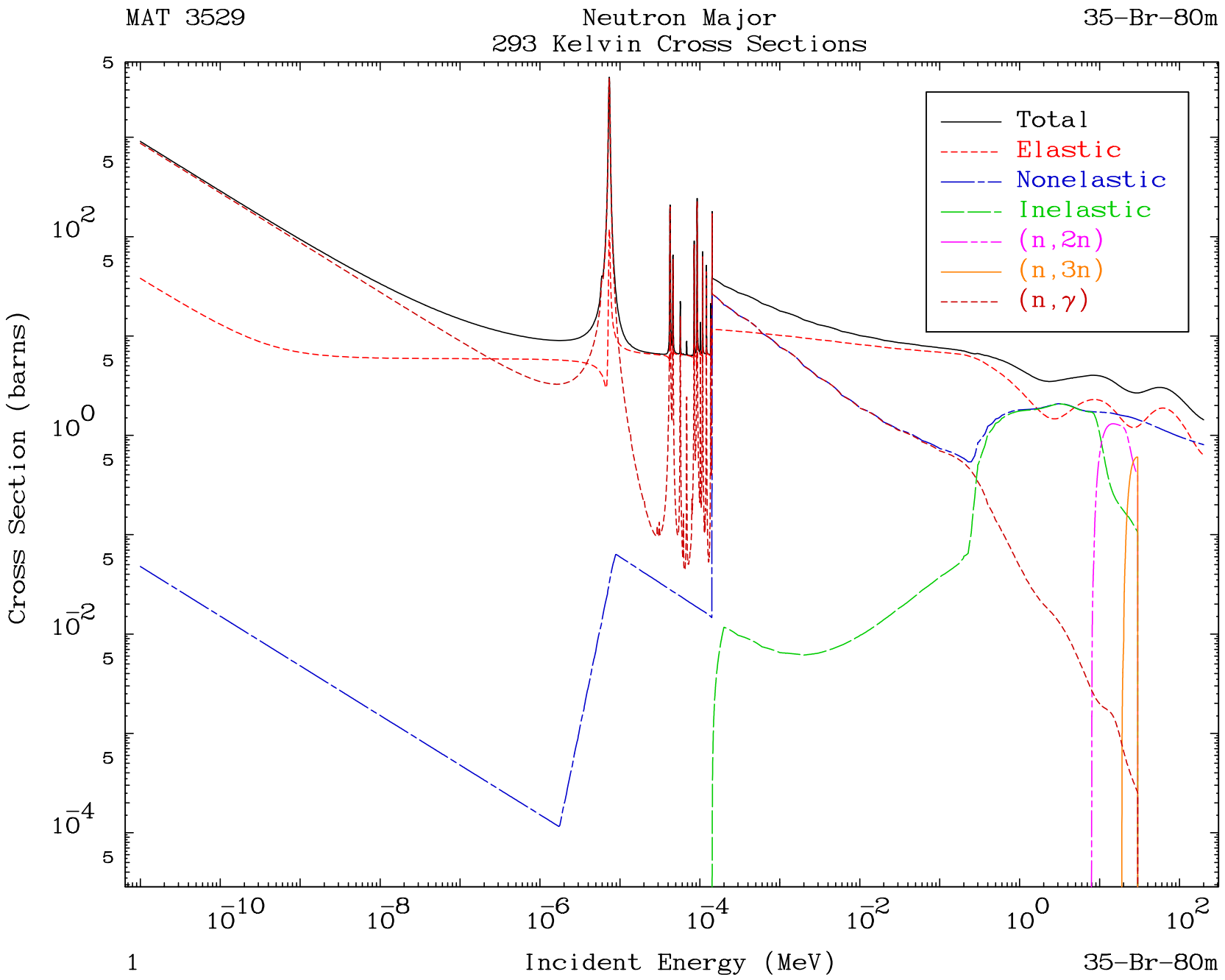
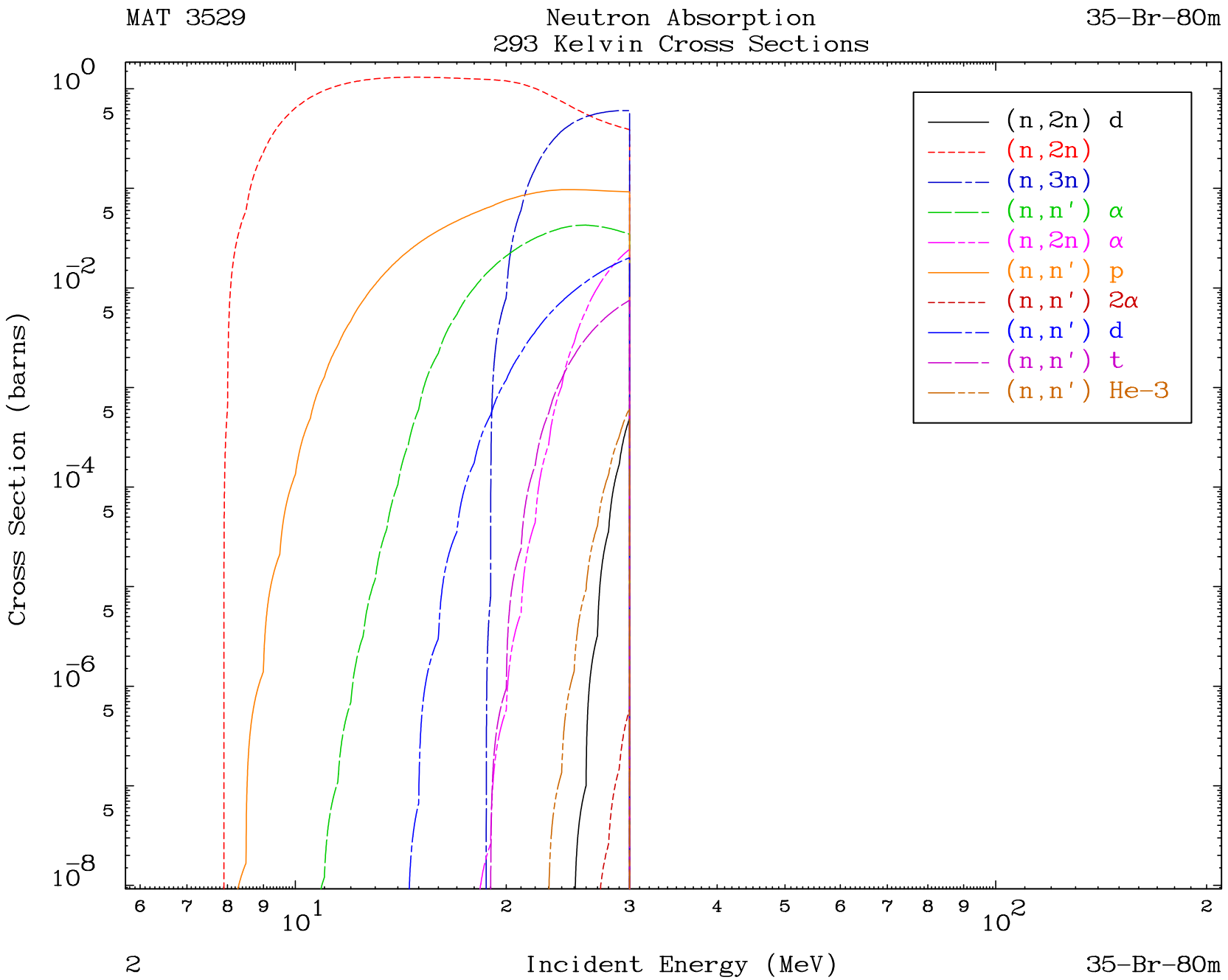
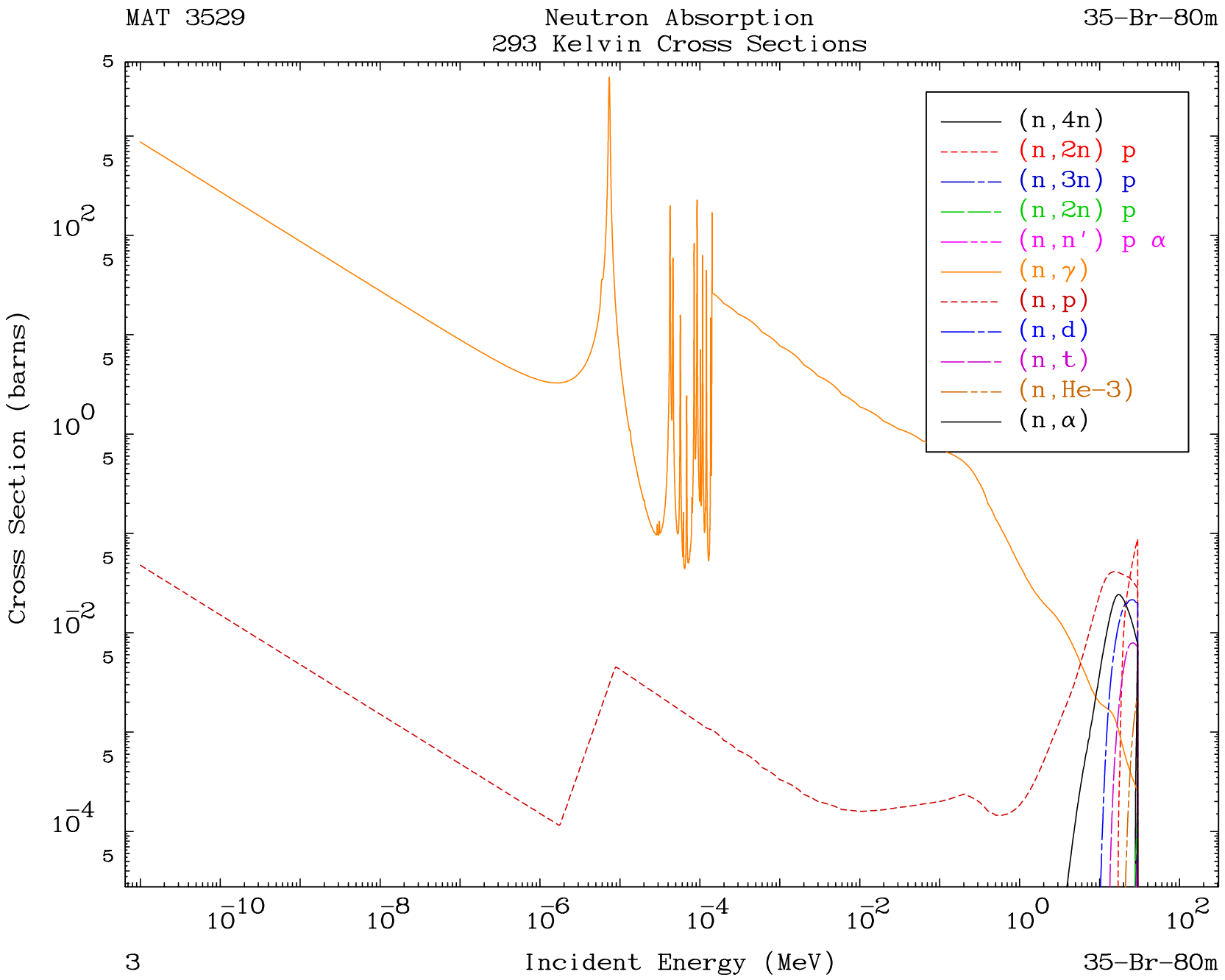
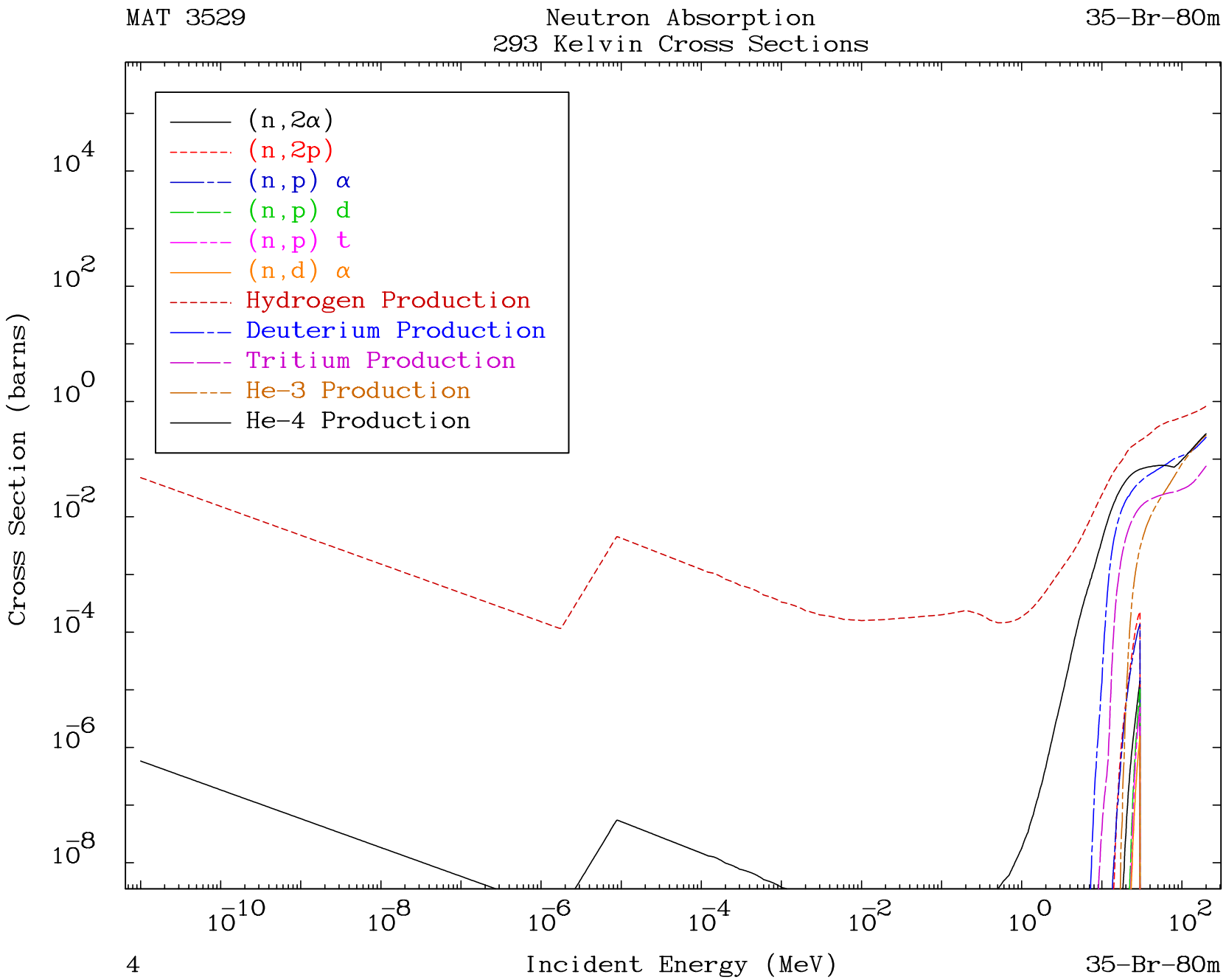
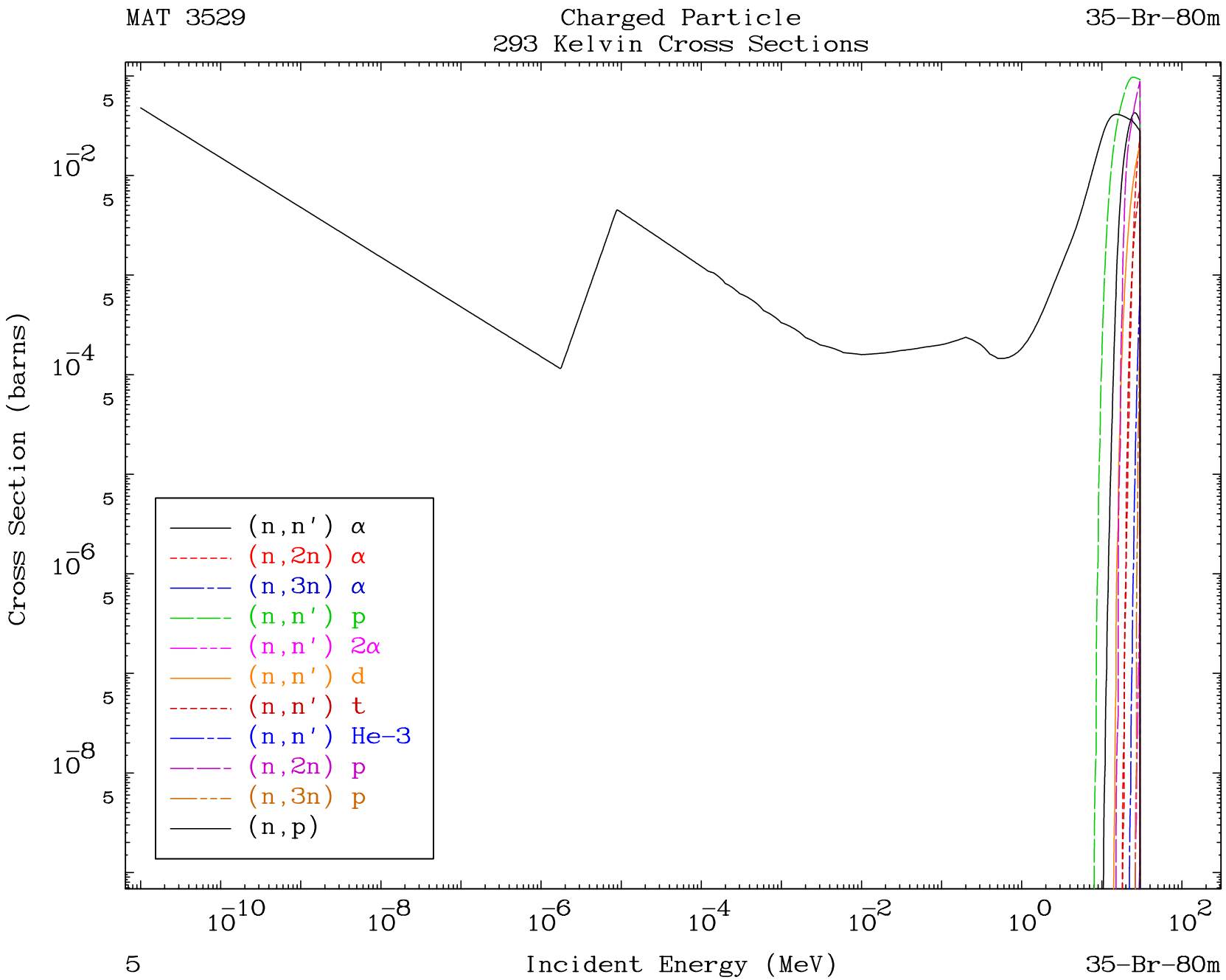
Press Mouse Button to Start

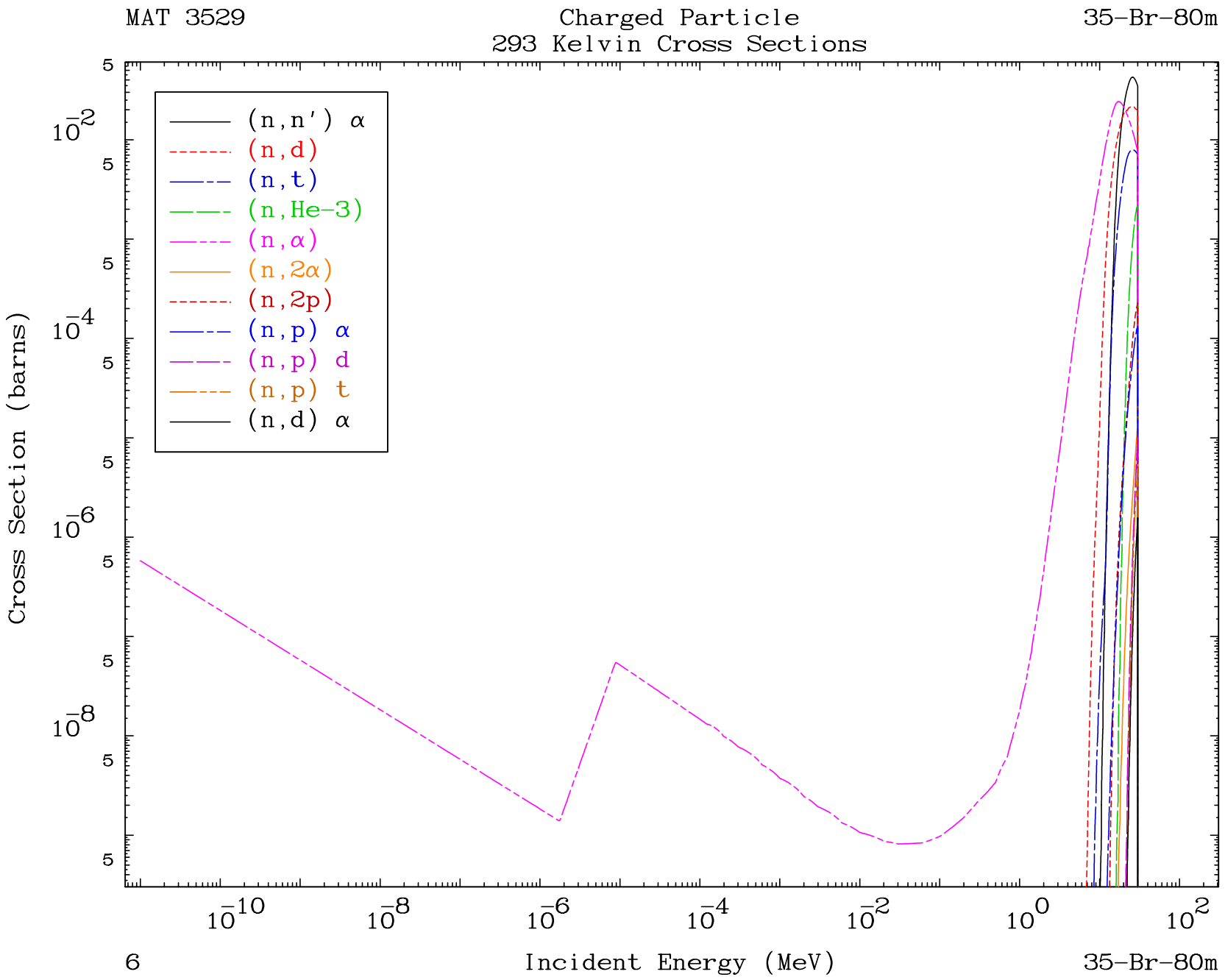

MAT 3529
Neutron Major
293 Kelvin Cross Sections
35-Br-80m
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m
1

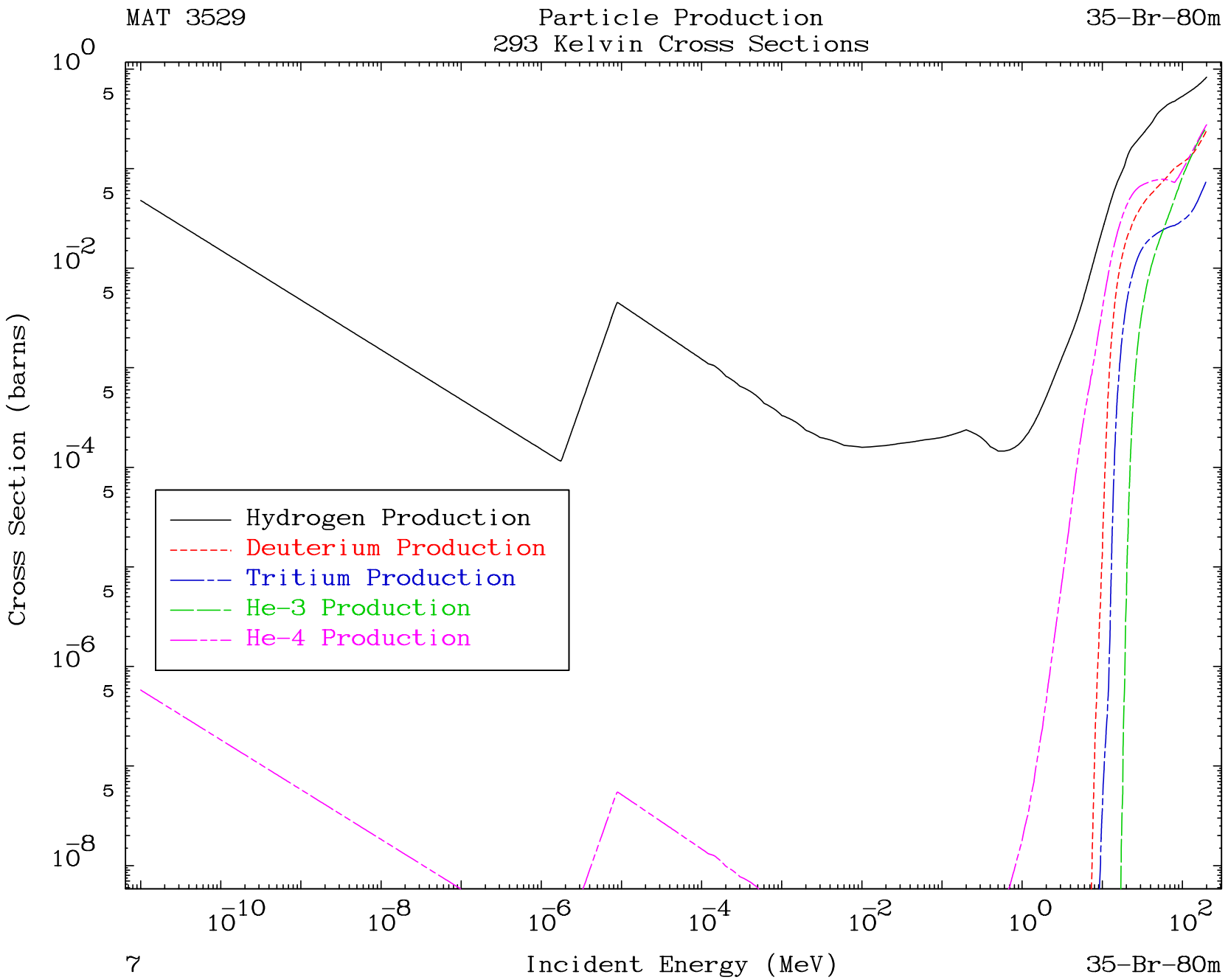

MAT 3529
Neutron Absorption
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

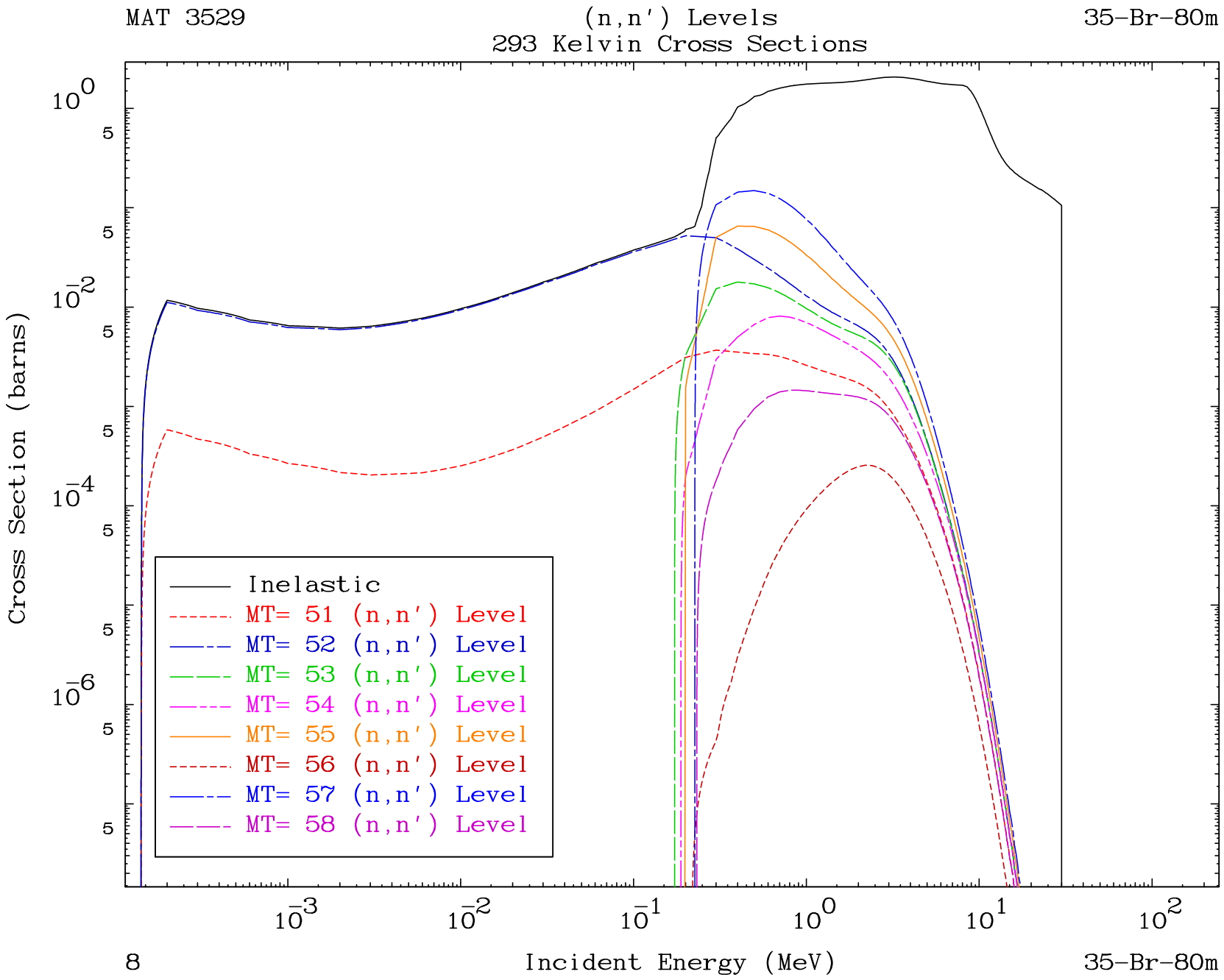

MAT 3529
Neutron Absorption
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
3
35-Br-80m
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)

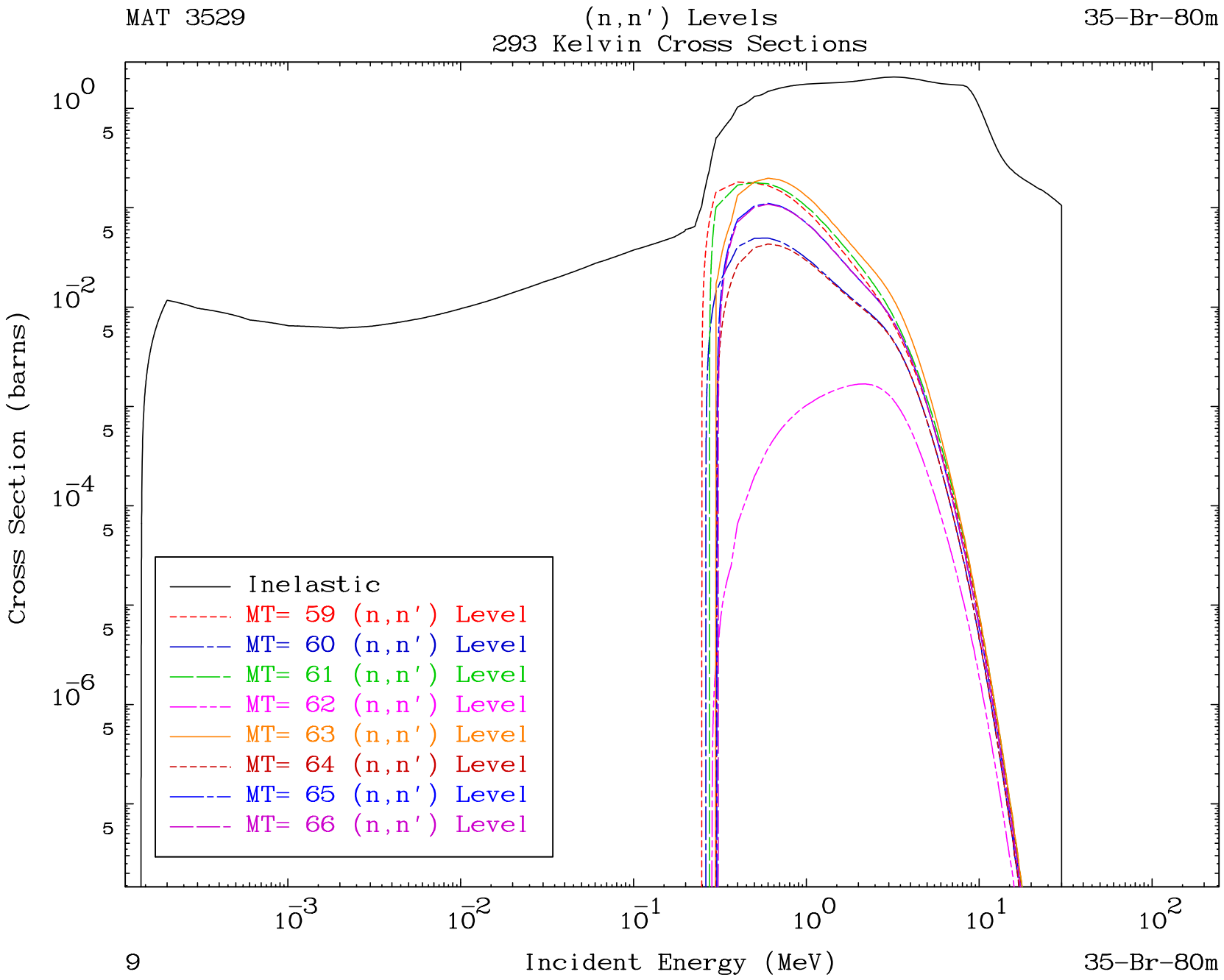

MAT 3529
Neutron Absorption
293 Kelvin Cross Sections
35-Br-80m
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
35-Br-80m

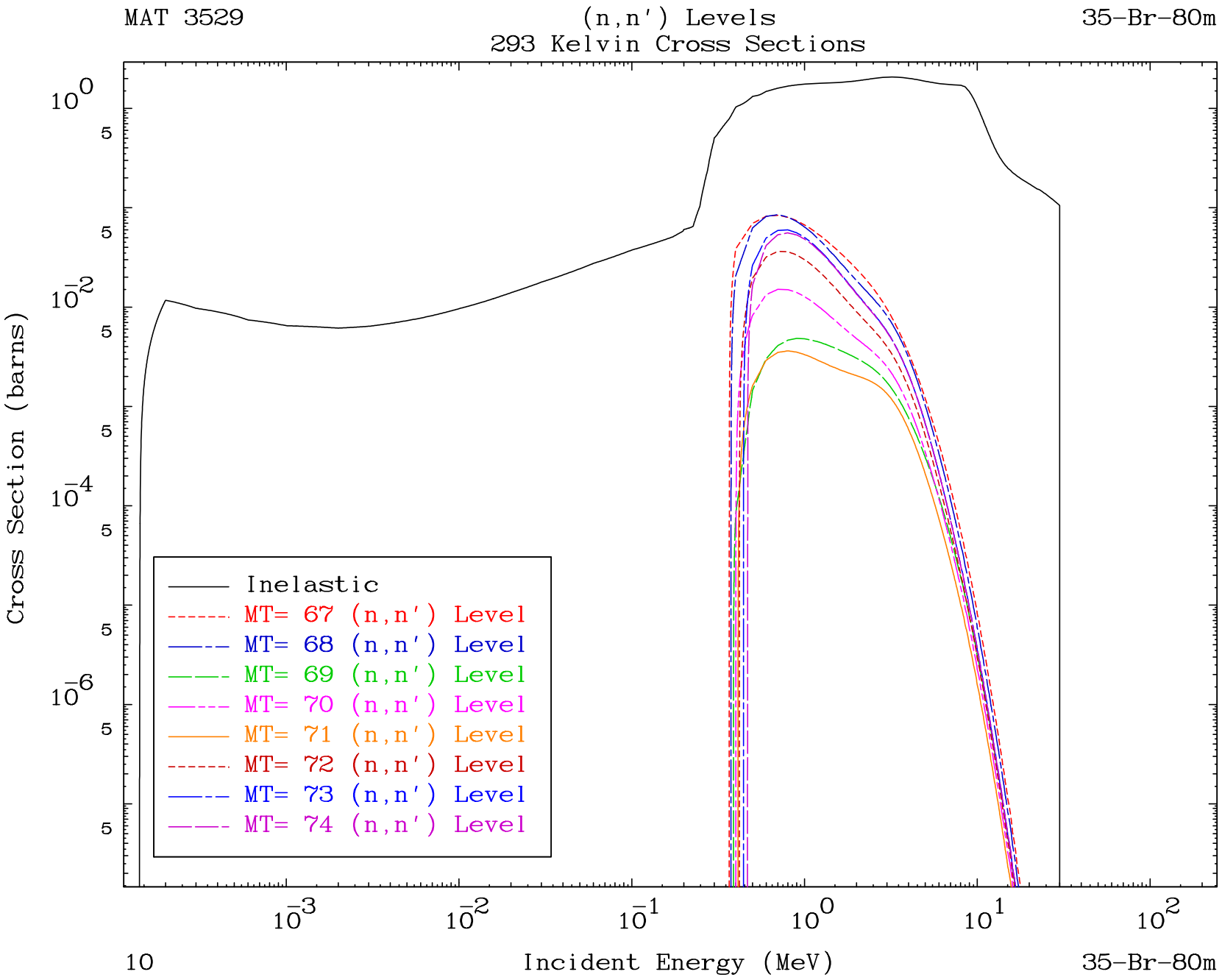

MAT 3529
Charged Particle
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m
5
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

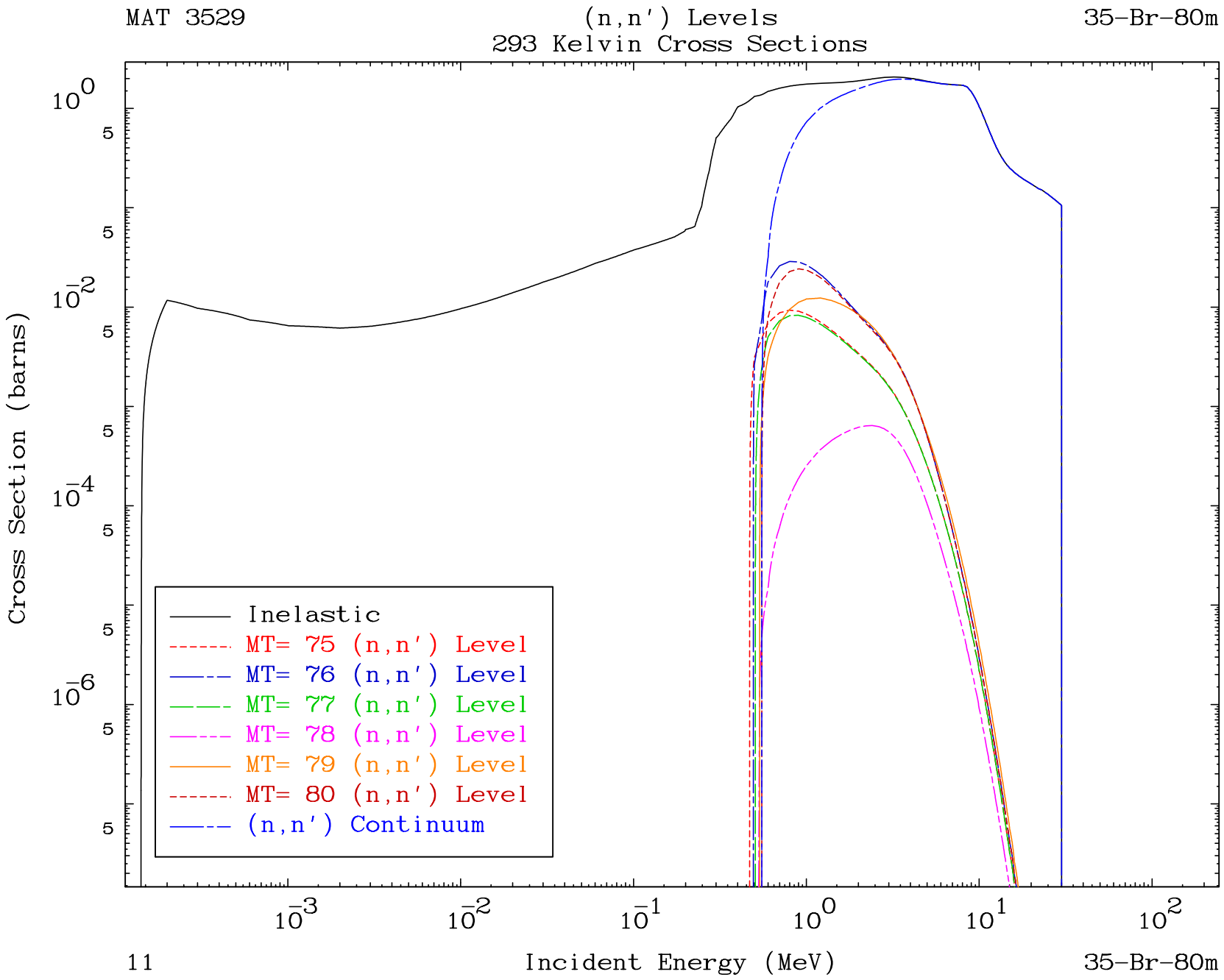

MAT 3529
Charged Particle
293 Kelvin Cross Sections
35-Br-80m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
35-Br-80m

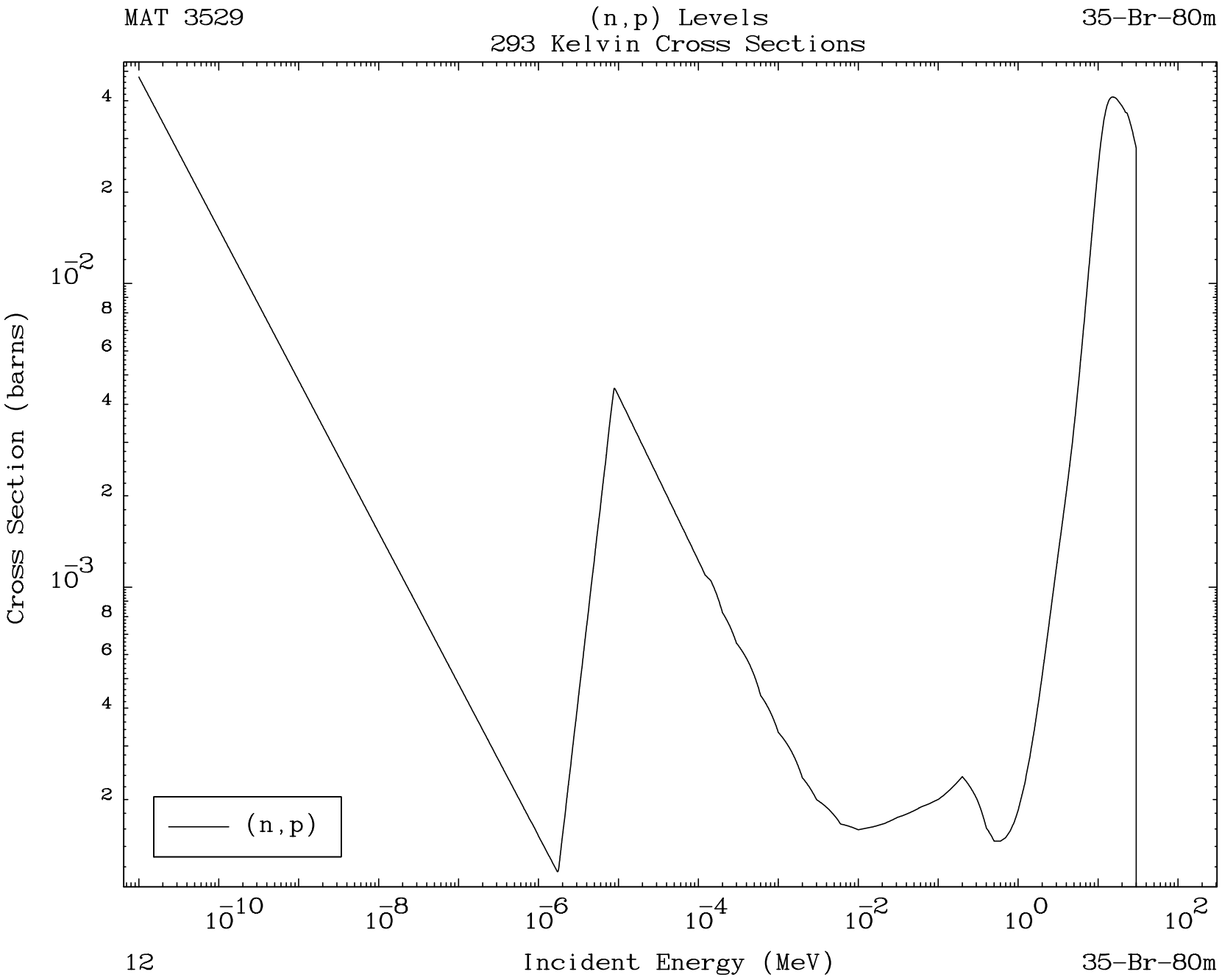

MAT 3529
Particle Production
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
35-Br-80m

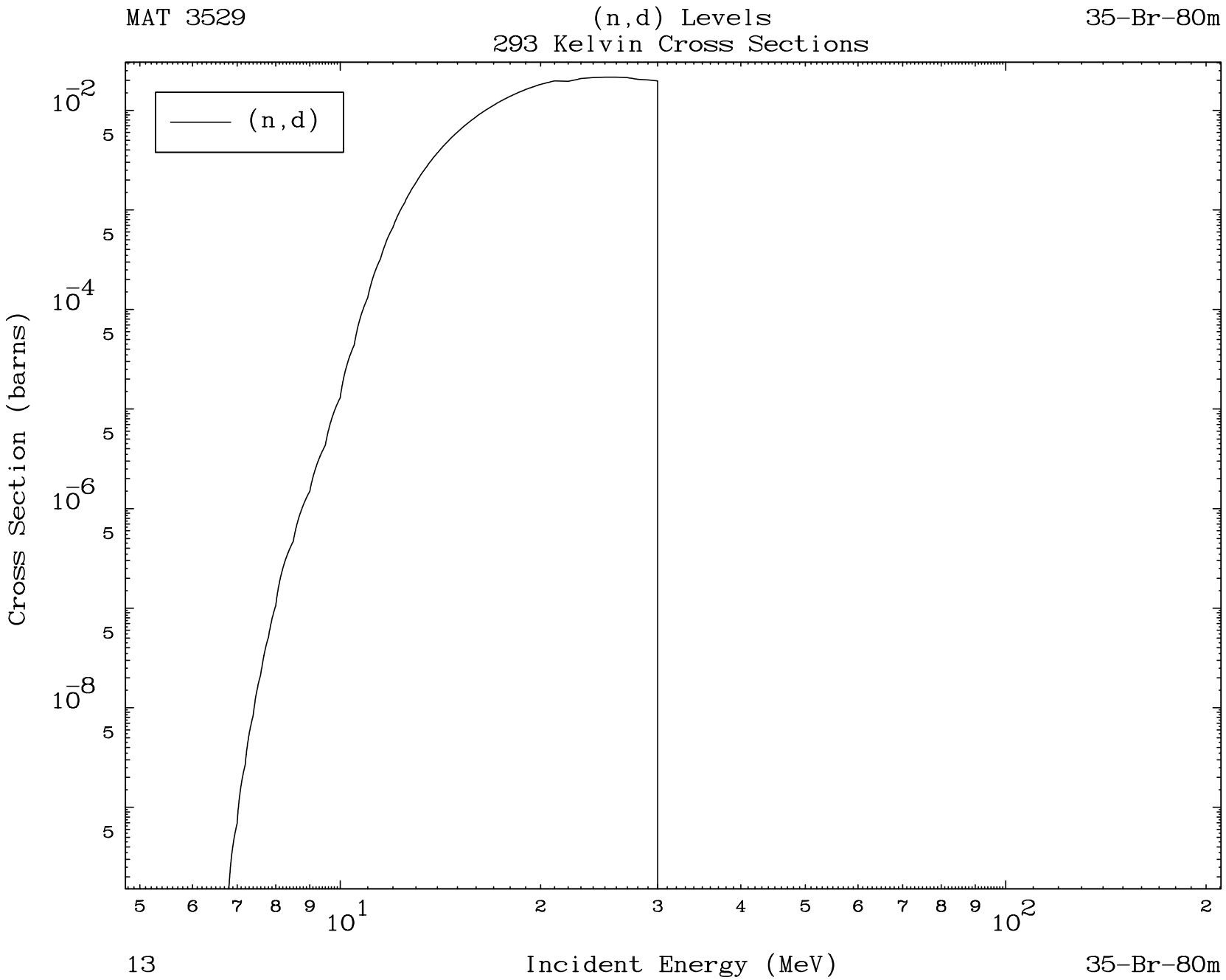

MAT 3529
(n,n') Levels
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
8
35-Br-80m

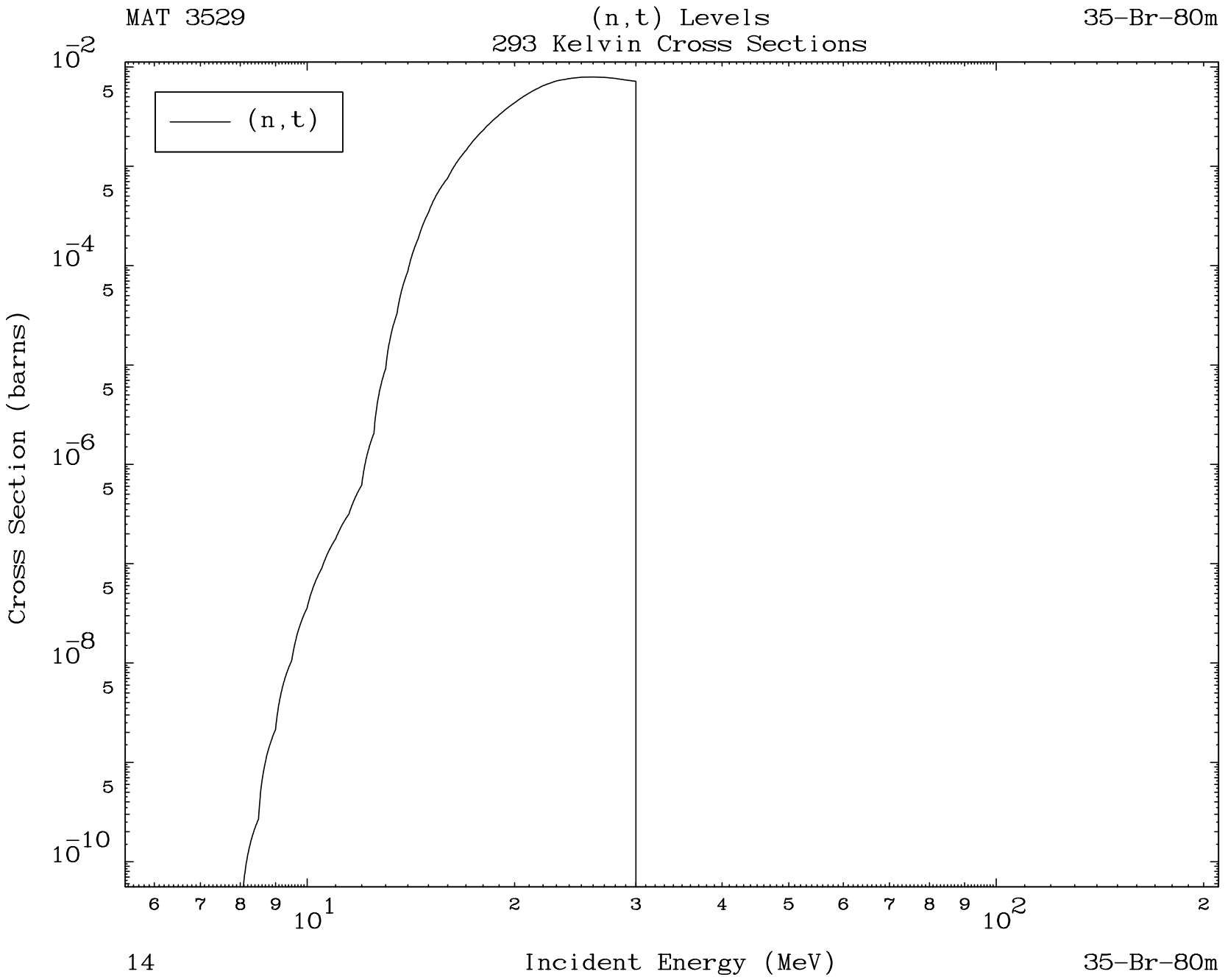

MAT 3529
(n,n') Levels
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
9
35-Br-80m


MAT 3529
(n,n') Levels
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
35-Br-80m
10
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level


MAT 3529
(n,n') Levels
293 Kelvin Cross Sections
35-Br-80m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
11
35-Br-80m


MAT 3529
(n,p) Levels
35-Br-80m
293 Kelvin Cross Sections
Cross Section (barns)
4
2
10-2
8
6
4
2
10-3
8
6
4
2
(n,p)
10-10
10-8
10-6
10-4
10-2
100
102
12
Incident Energy (MeV)
35-Br-80m


MAT 3529
(n,d) Levels
35-Br-80m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
35-Br-80m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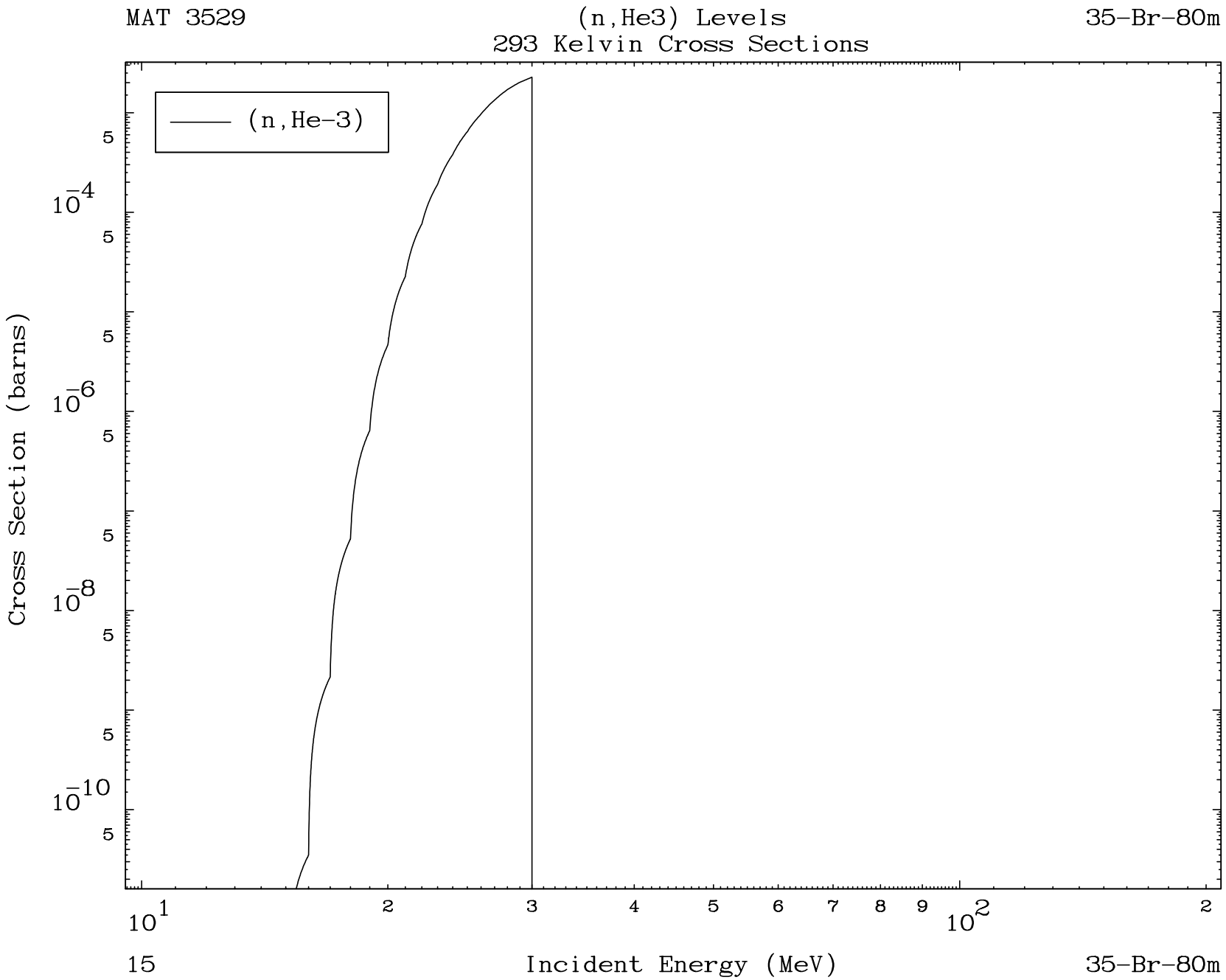
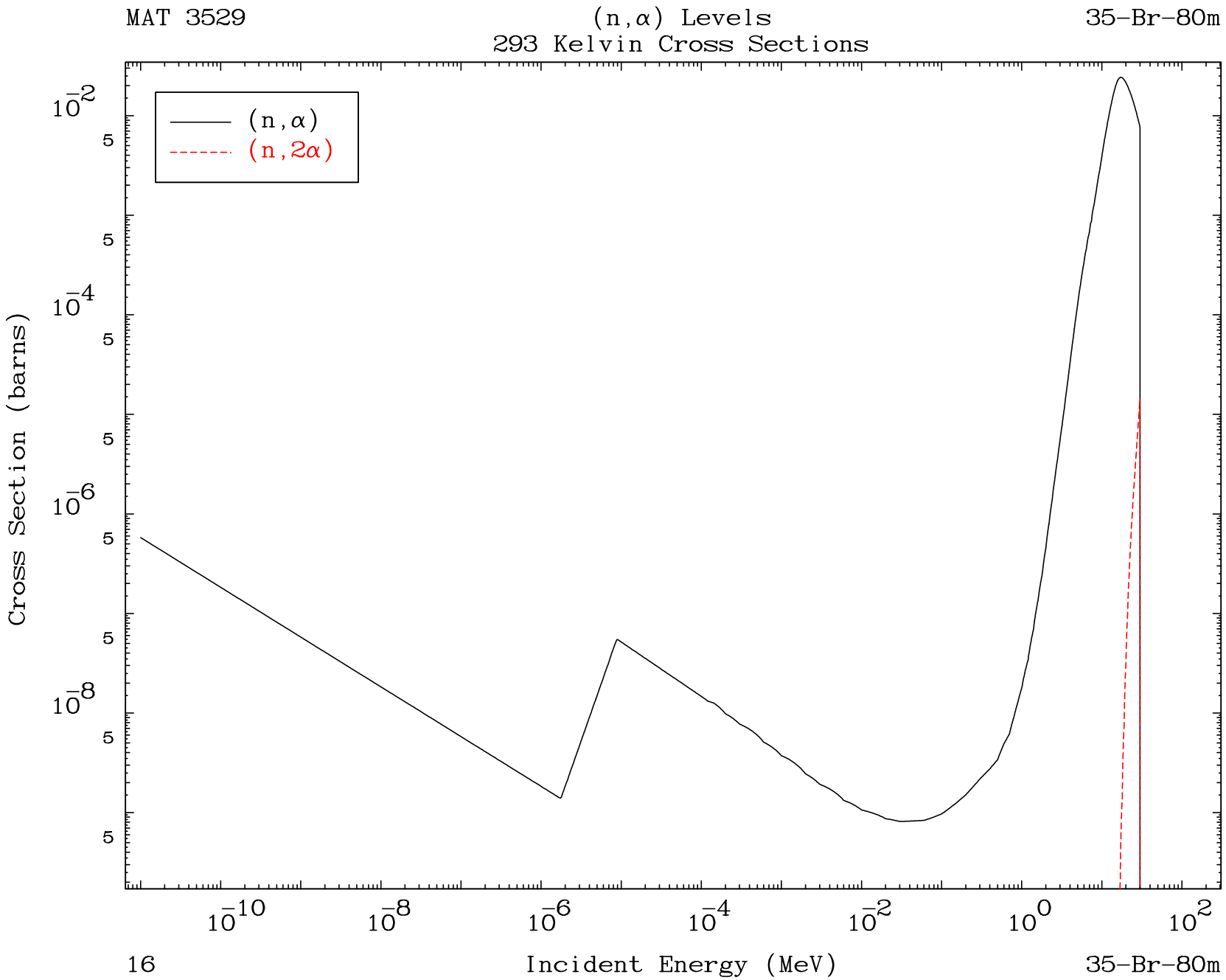
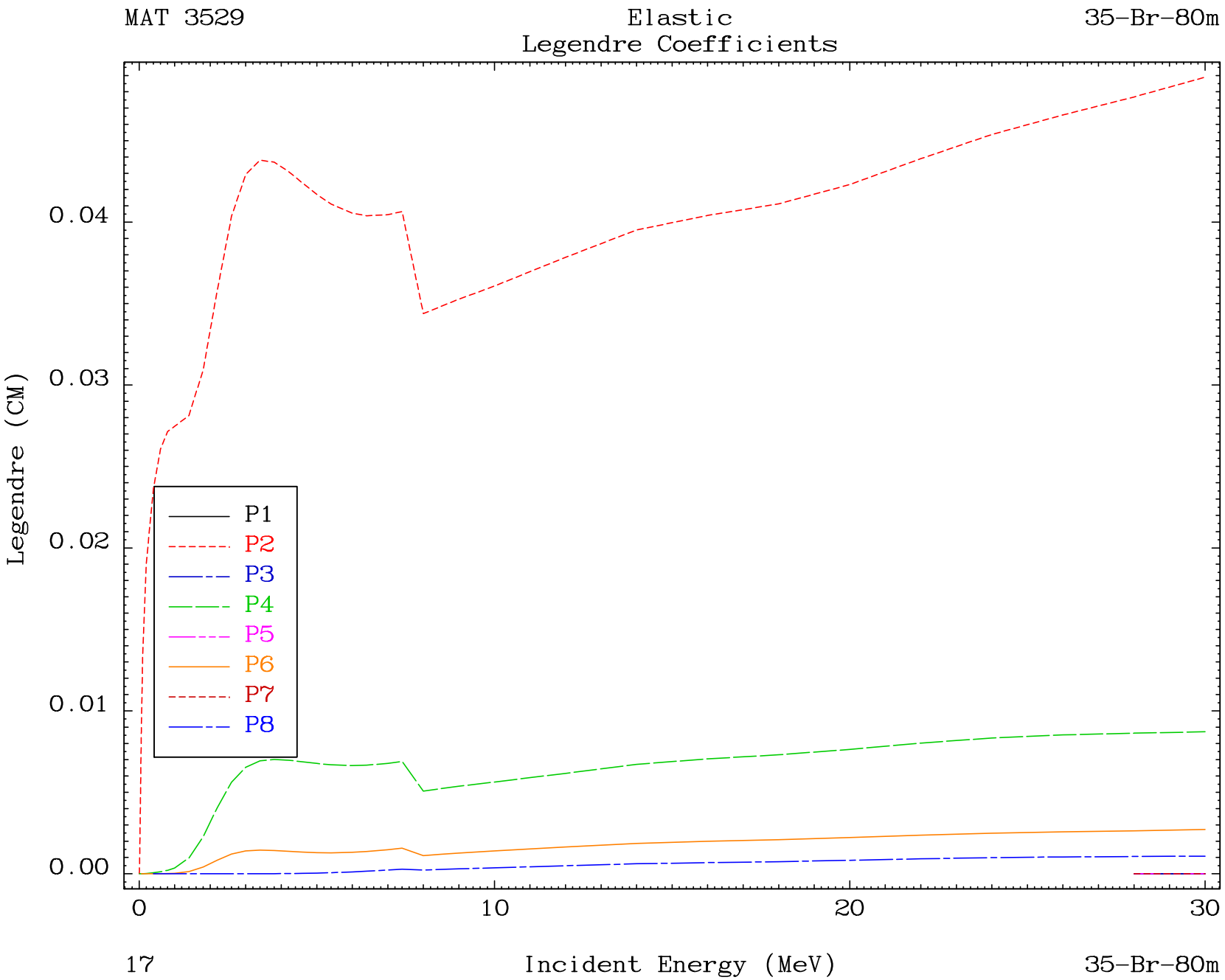
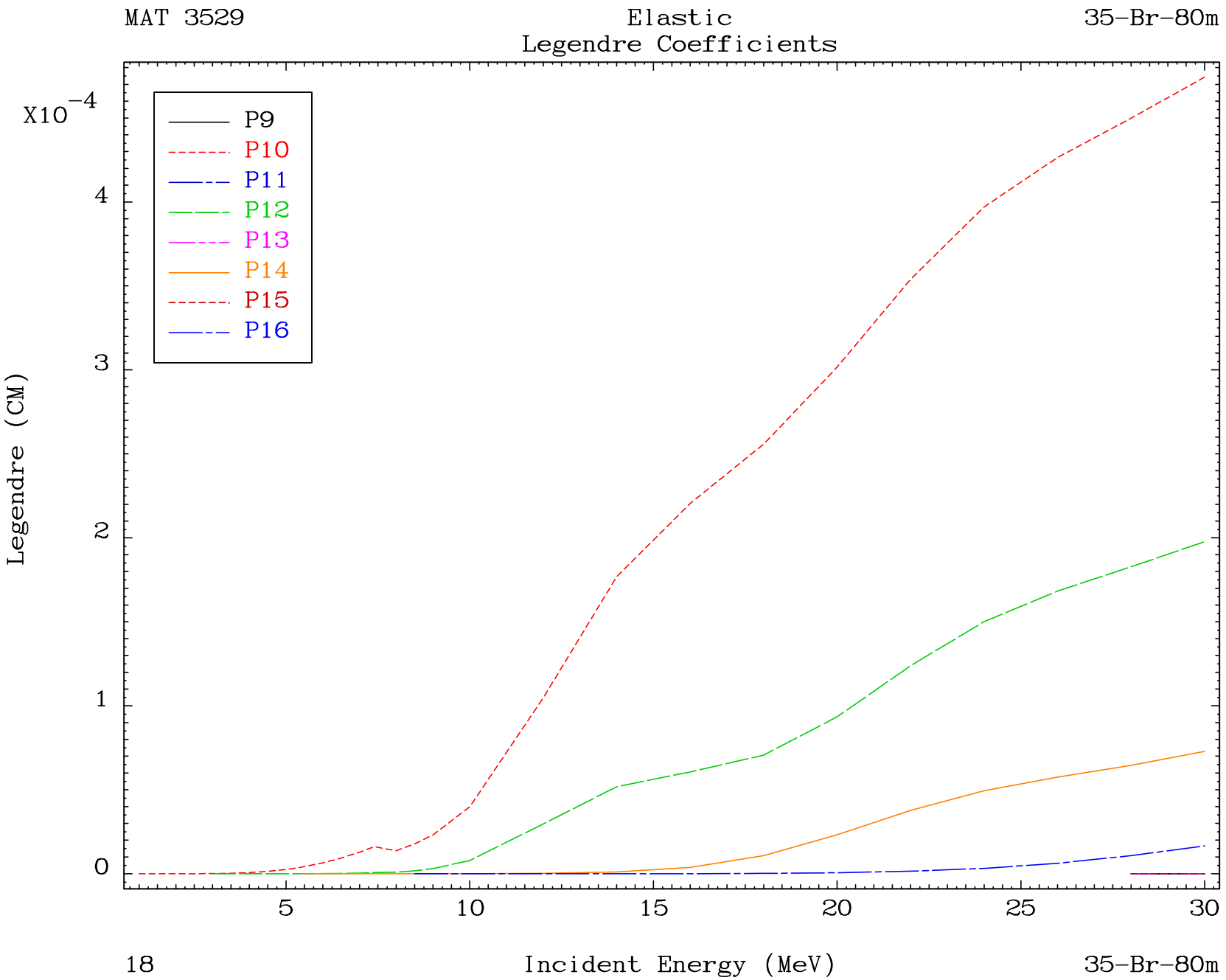
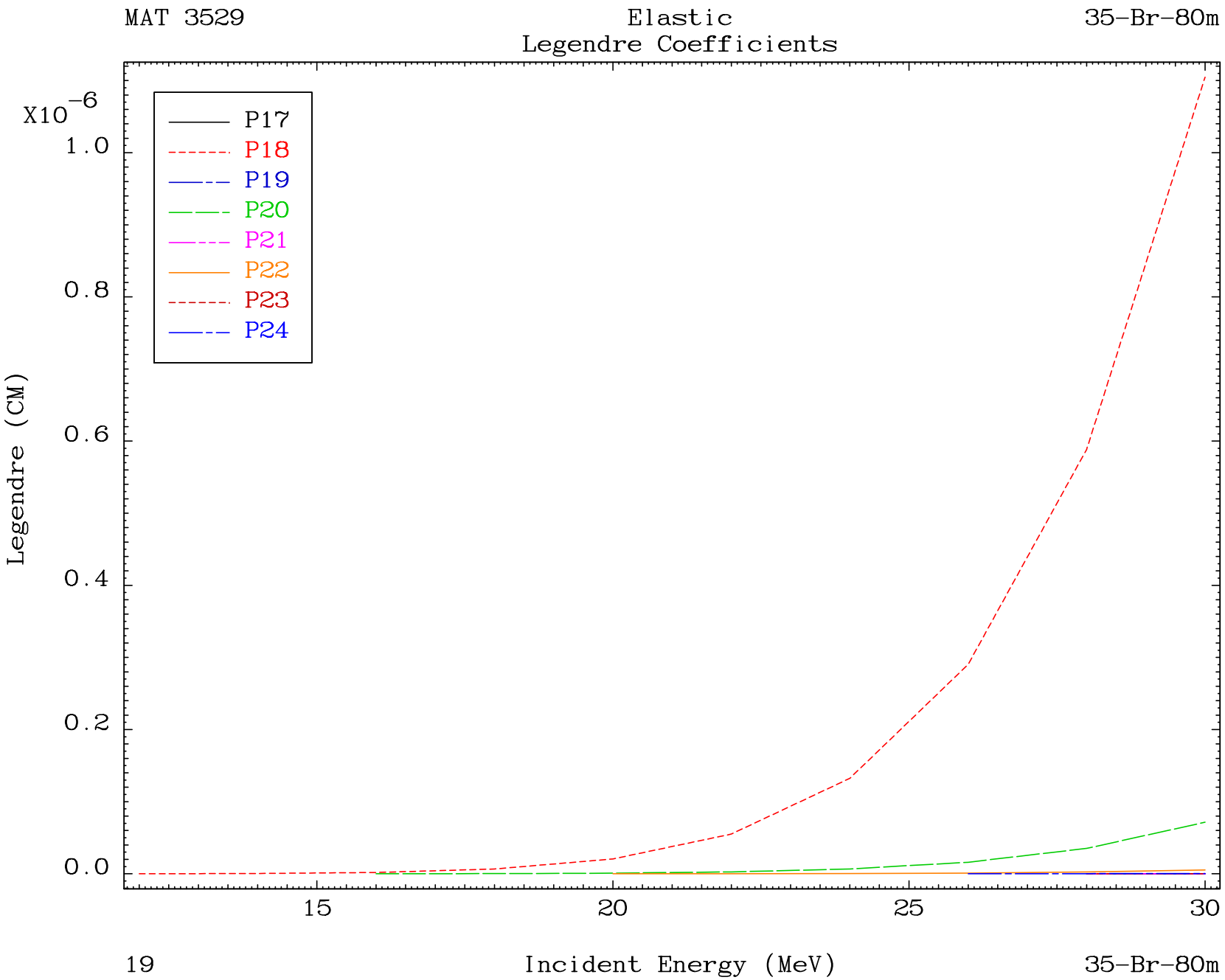
(n,t) Levels
35-Br-80m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
35-Br-80m

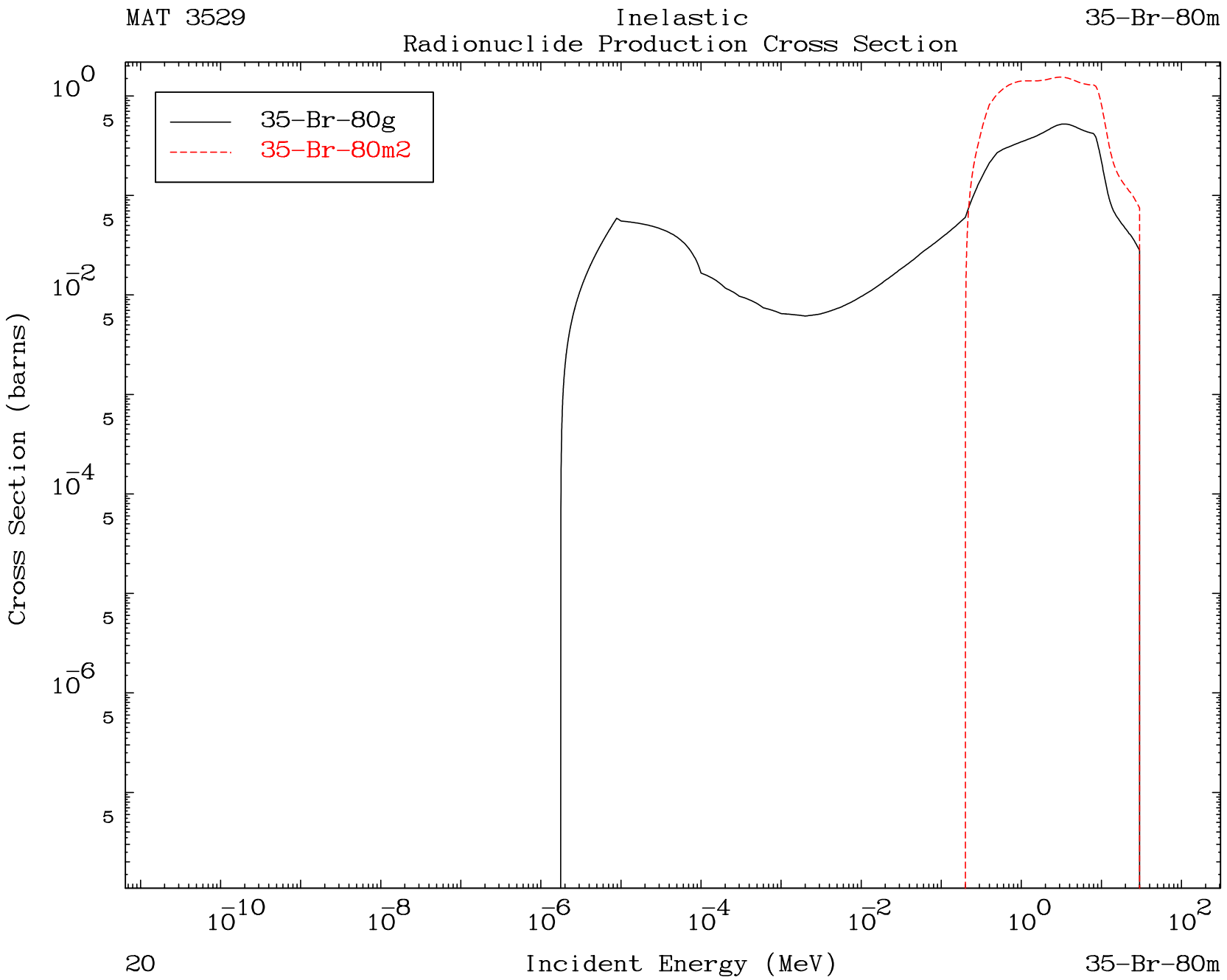

MAT 3529
(n,He3) Levels
35-Br-80m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
15
35-Br-80m

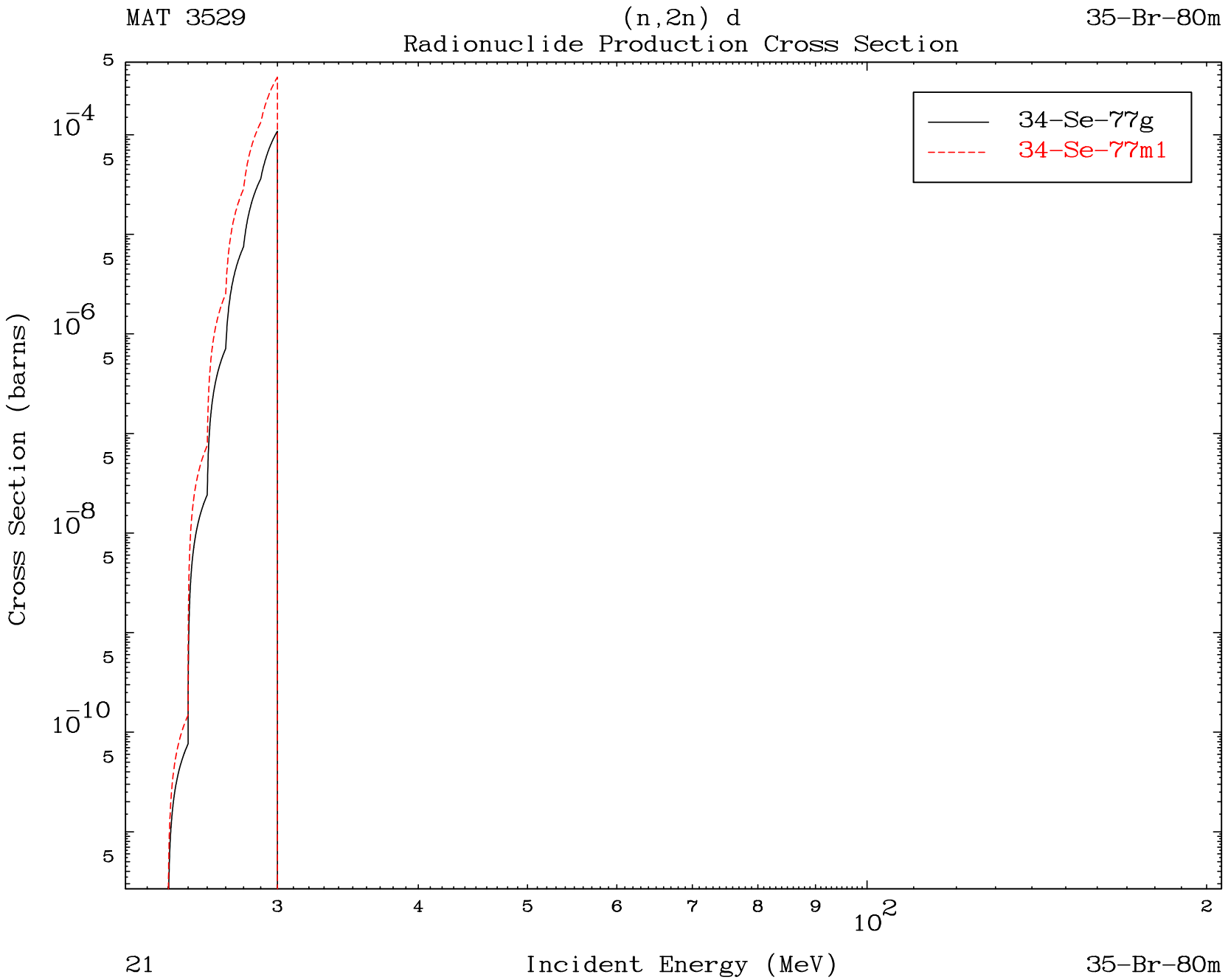

MAT 3529
(n,α) Levels
293 Kelvin Cross Sections
35-Br-80m
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)
16
35-Br-80m

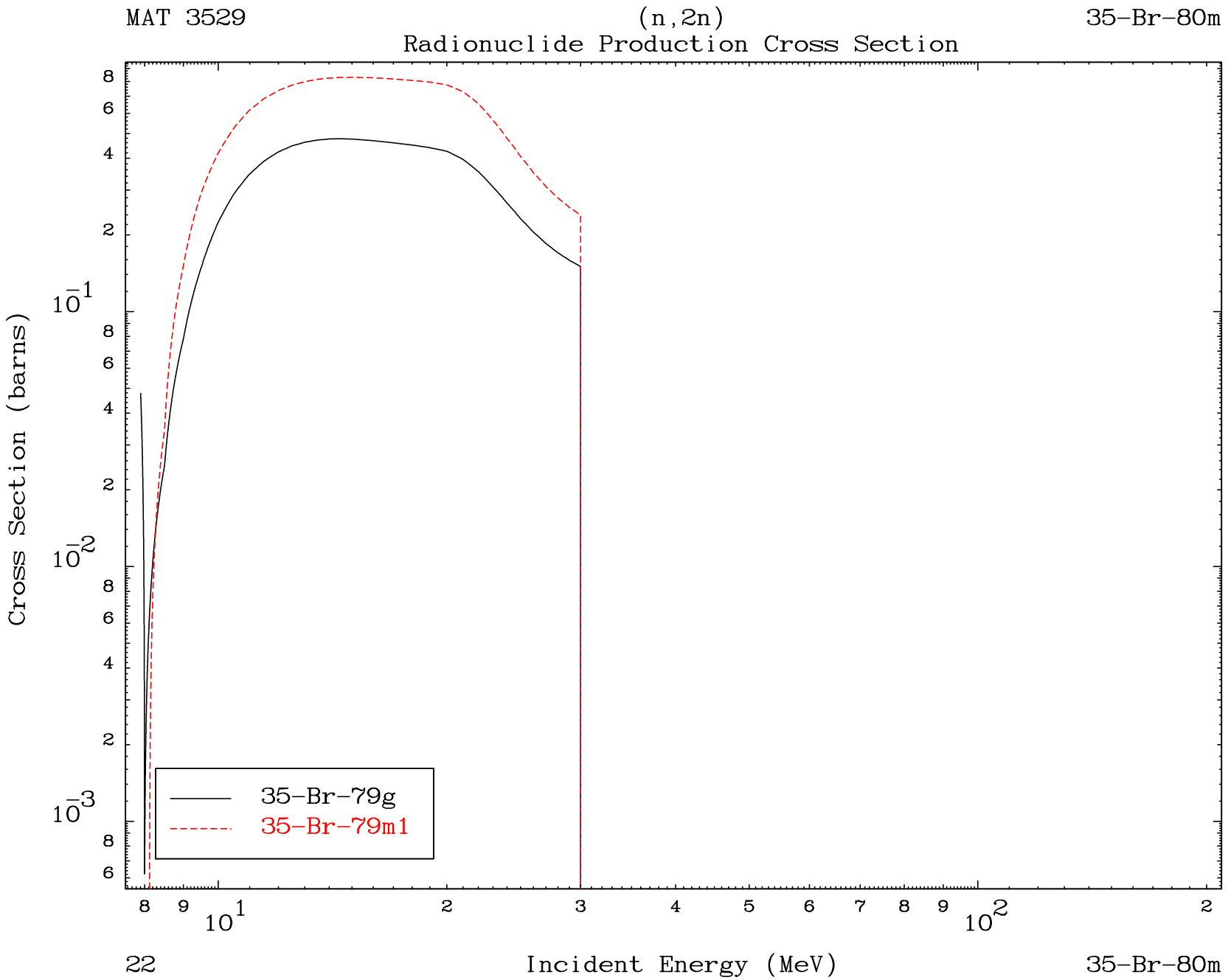

MAT 3529
Elastic
Legendre Coefficients
35-Br-80m
Legendre (CM)
0.04
0.03
0.02
0.01
0.00
P1
P2
P3
P4
P5
P6
P7
P8
0
10
20
30
17
Incident Energy (MeV)
35-Br-80m

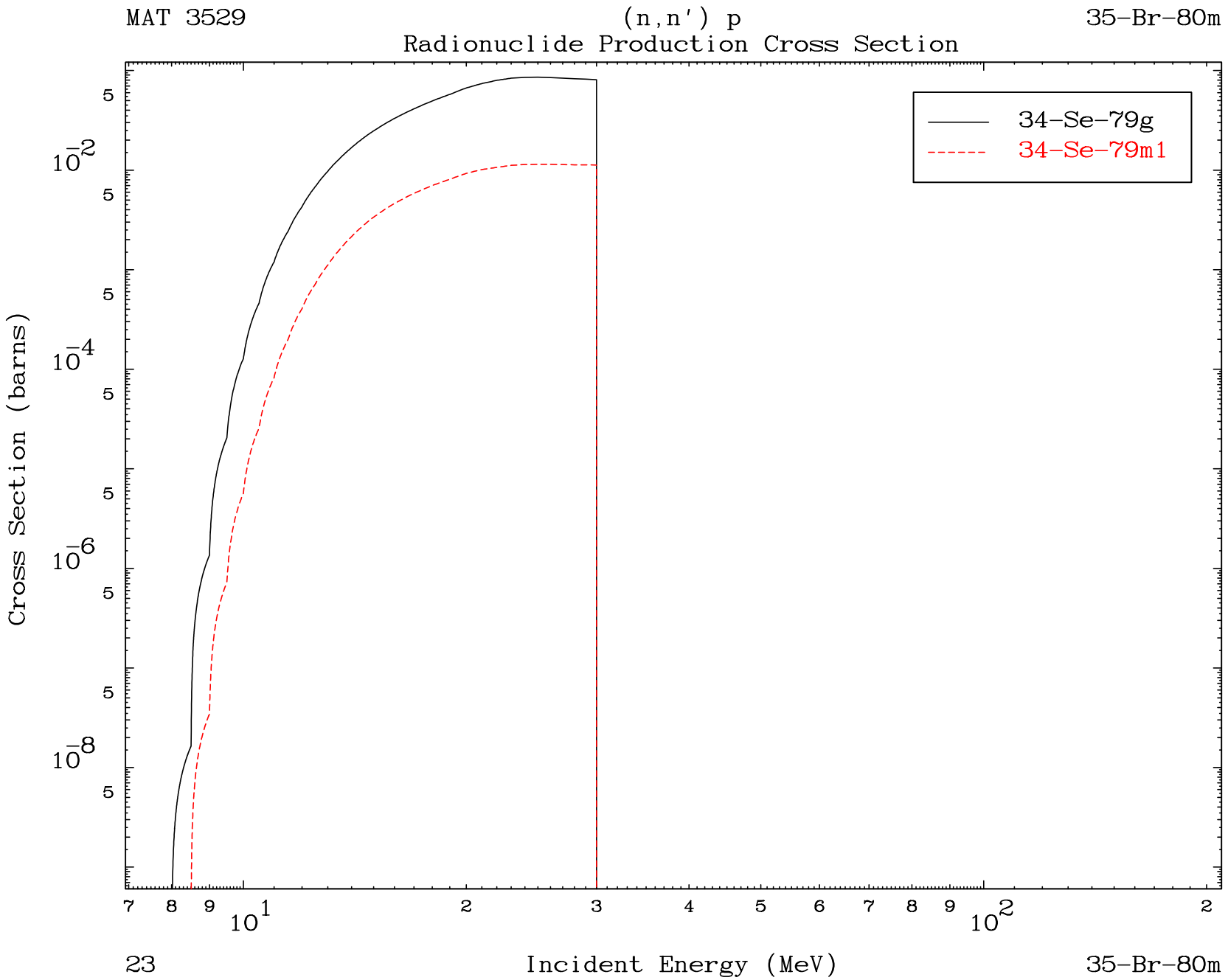

MAT 3529
Elastic
Legendre Coefficients
35-Br-80m
X10 −4
P9
P10
P11
P12
P13
P14
P15
P16
Legendre (CM)
0
1
2
3
4
5
10
15
20
25
30
18
Incident Energy (MeV)
35-Br-80m

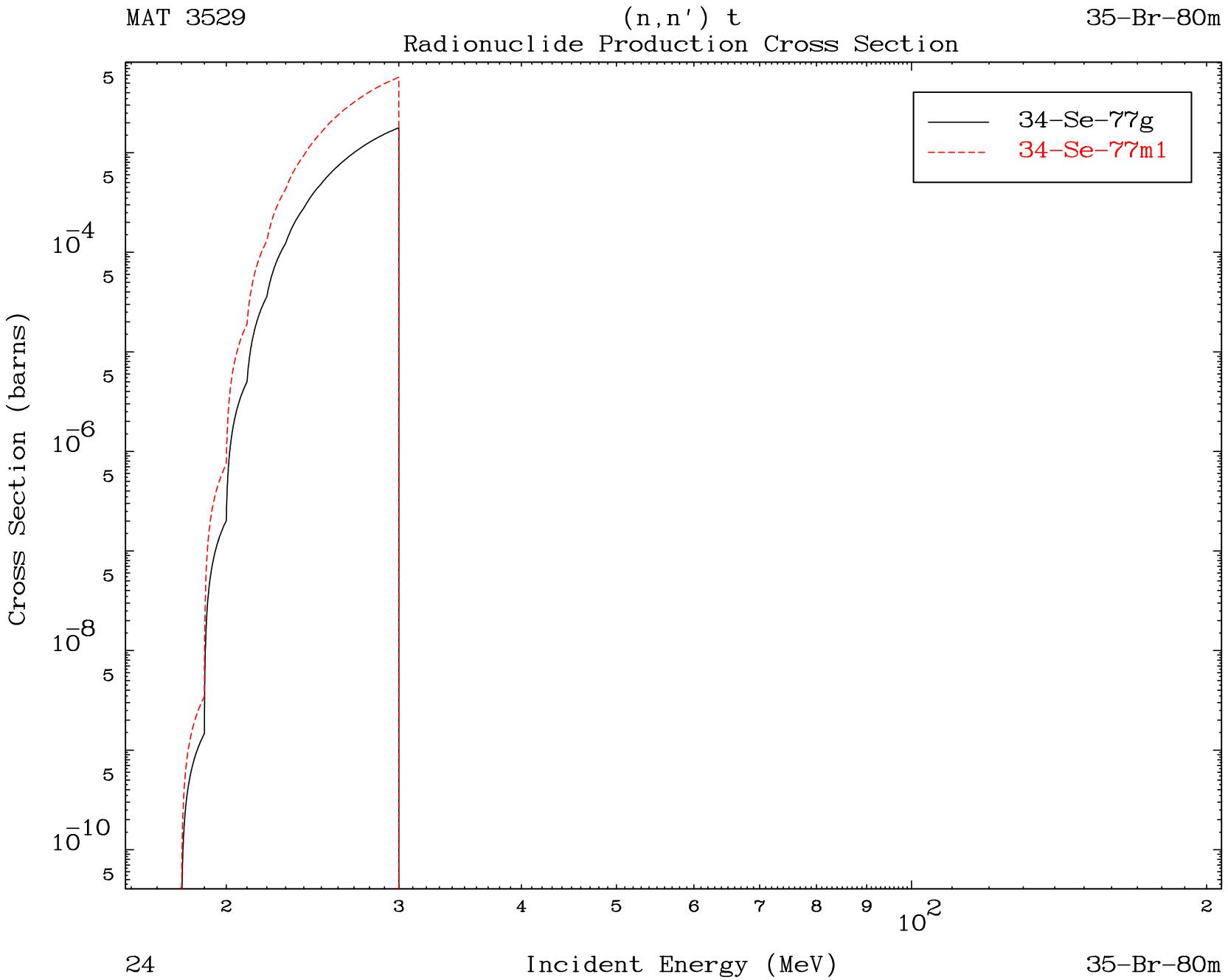

MAT 3529
Elastic
Legendre Coefficients
35-Br-80m
X10 −6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
15
20
25
30
19
Incident Energy (MeV)
35-Br-80m

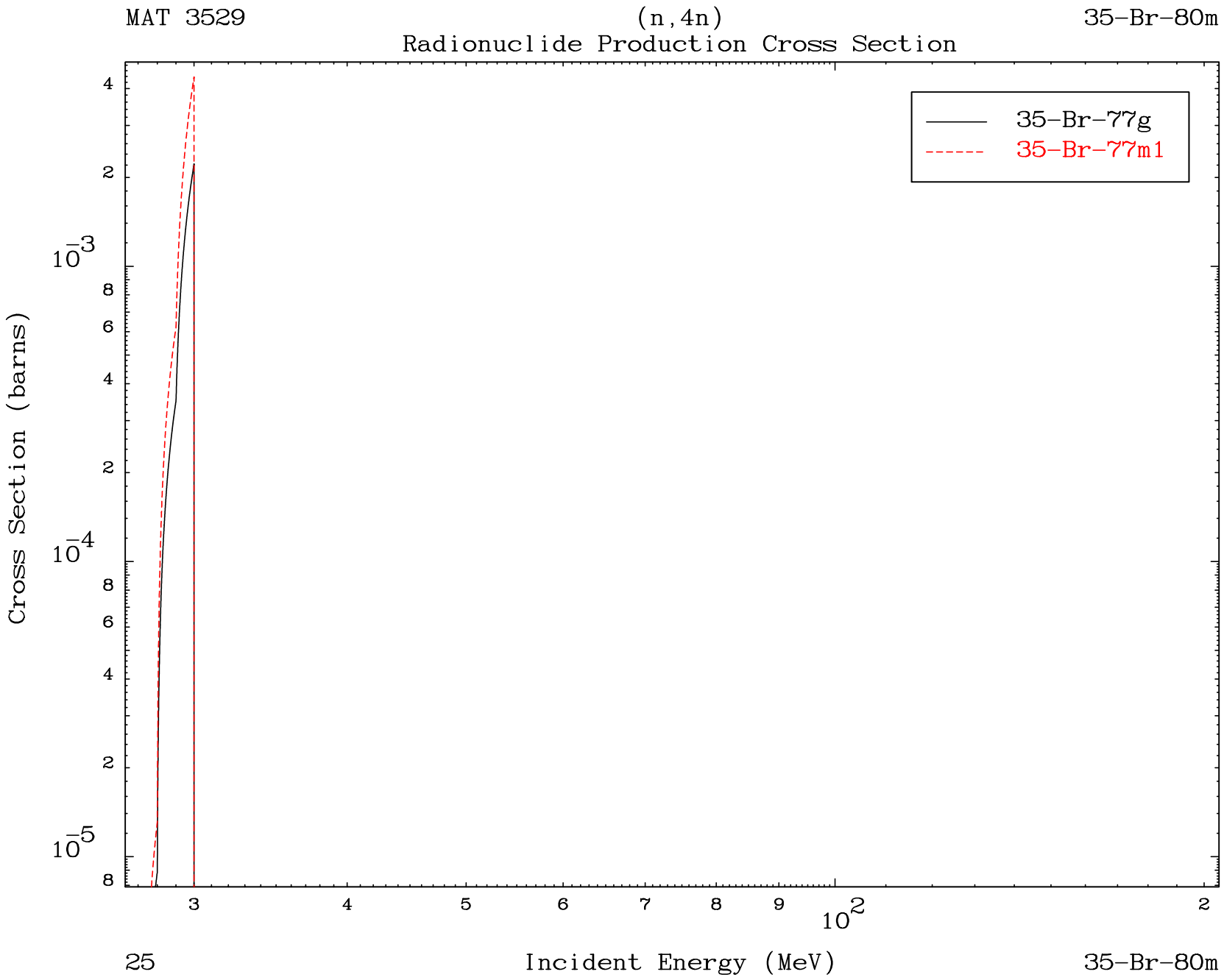

MAT 3529
Inelastic
35-Br-80m
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
Incident Energy (MeV)
20
35-Br-80m

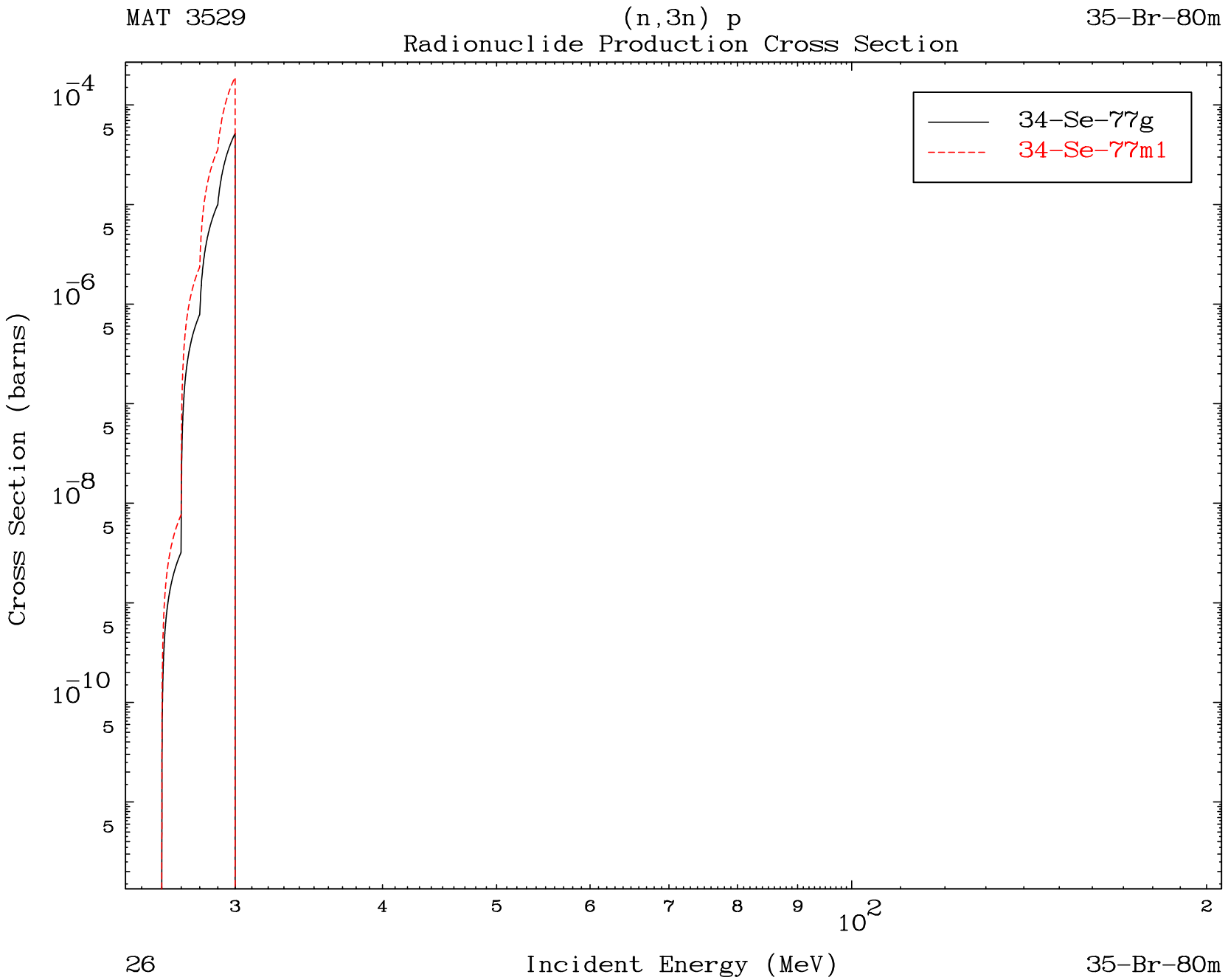

MAT 3529
(n,2n) d
35-Br-80m
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
Incident Energy (MeV)
21
35-Br-80m

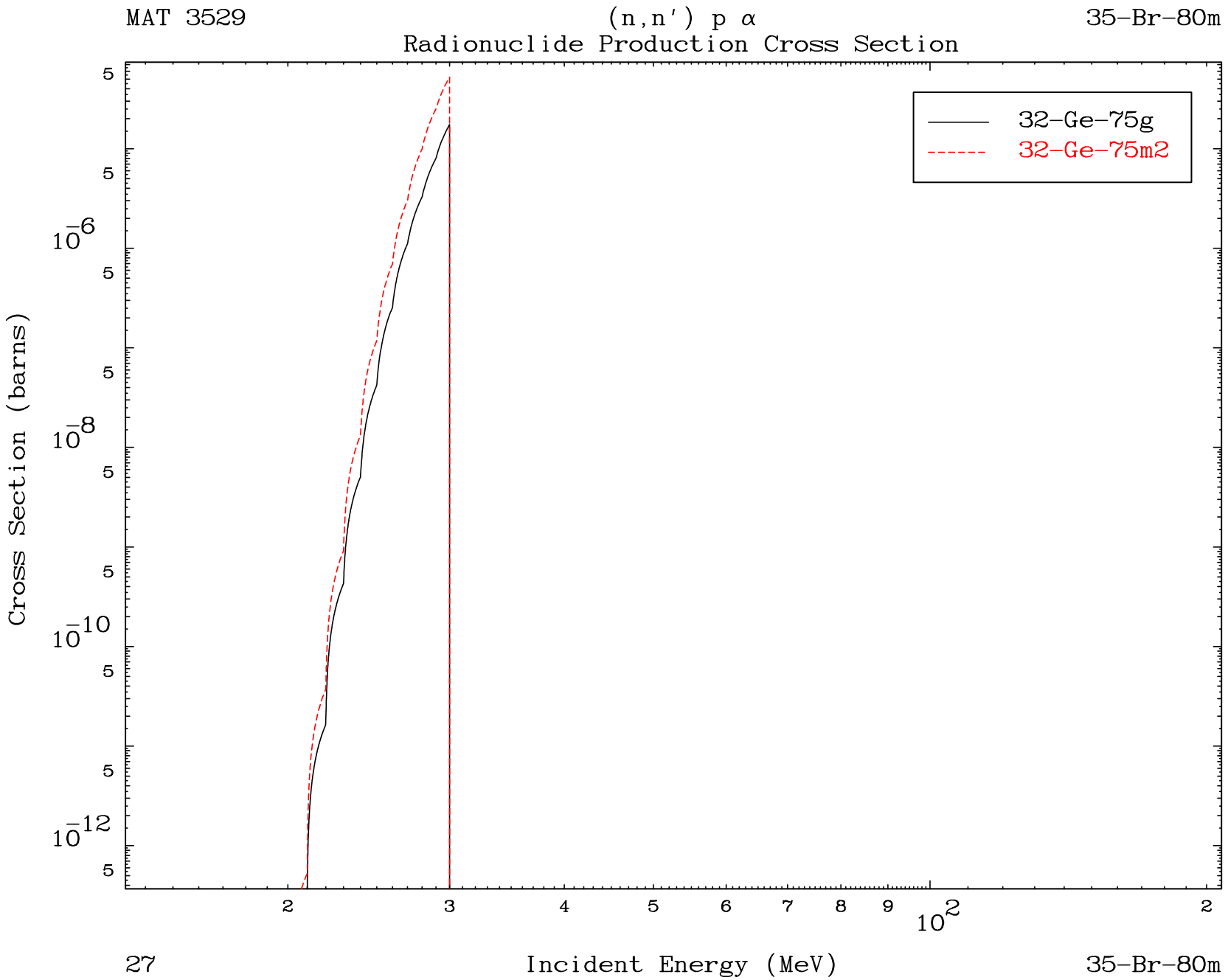

MAT 3529
(n,2n)
35-Br-80m
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
35-Br-79g
35-Br-79m1
22
35-Br-80m

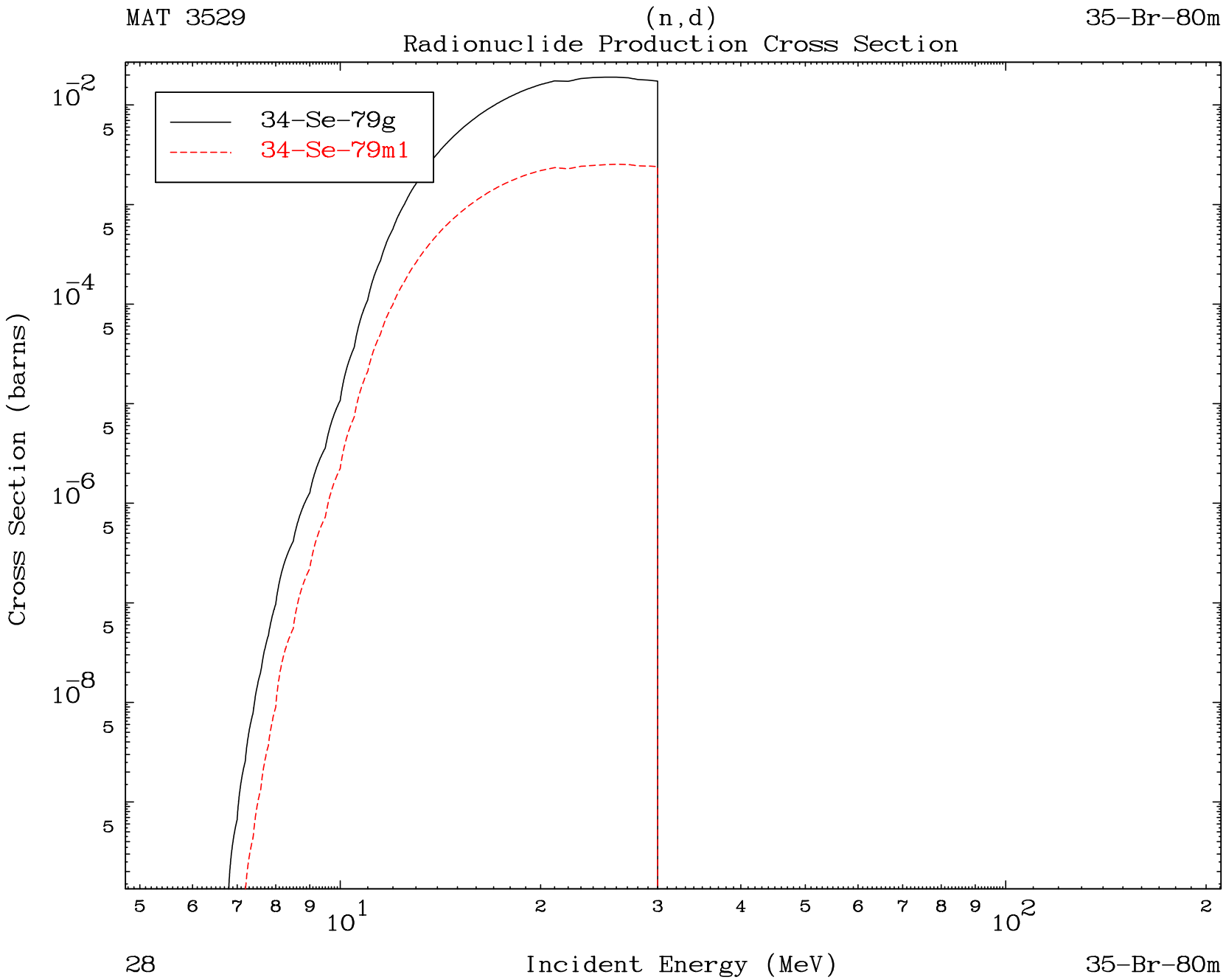

MAT 3529
(n,n') p
35-Br-80m
Radionuclide Production Cross Section
34-Se-79g
34-Se-79m1
Cross Section (barns)
10-2
10-4
10-6
10-8
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
23
35-Br-80m

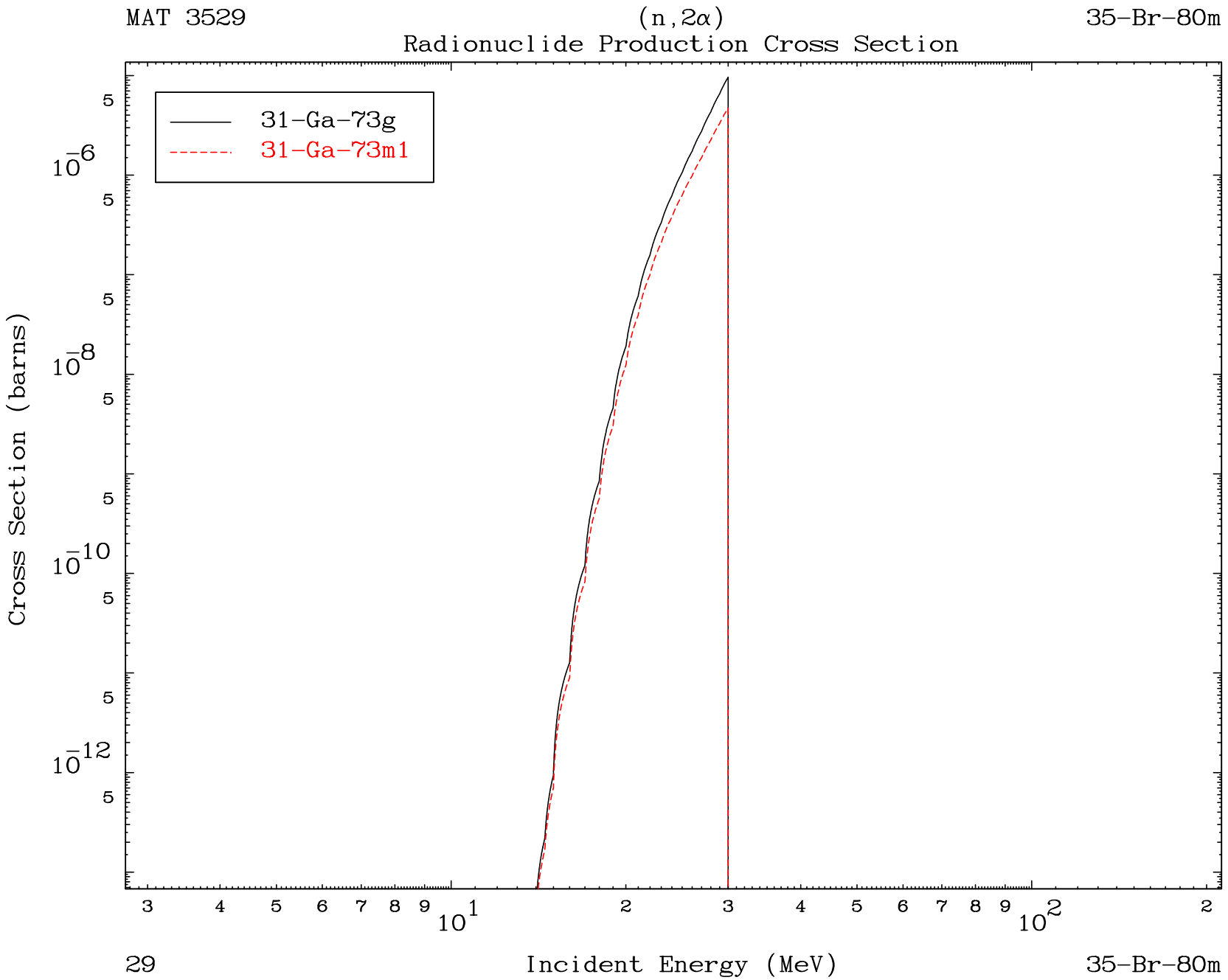

MAT 3529
(n,n') t
35-Br-80m
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
Incident Energy (MeV)
24
35-Br-80m

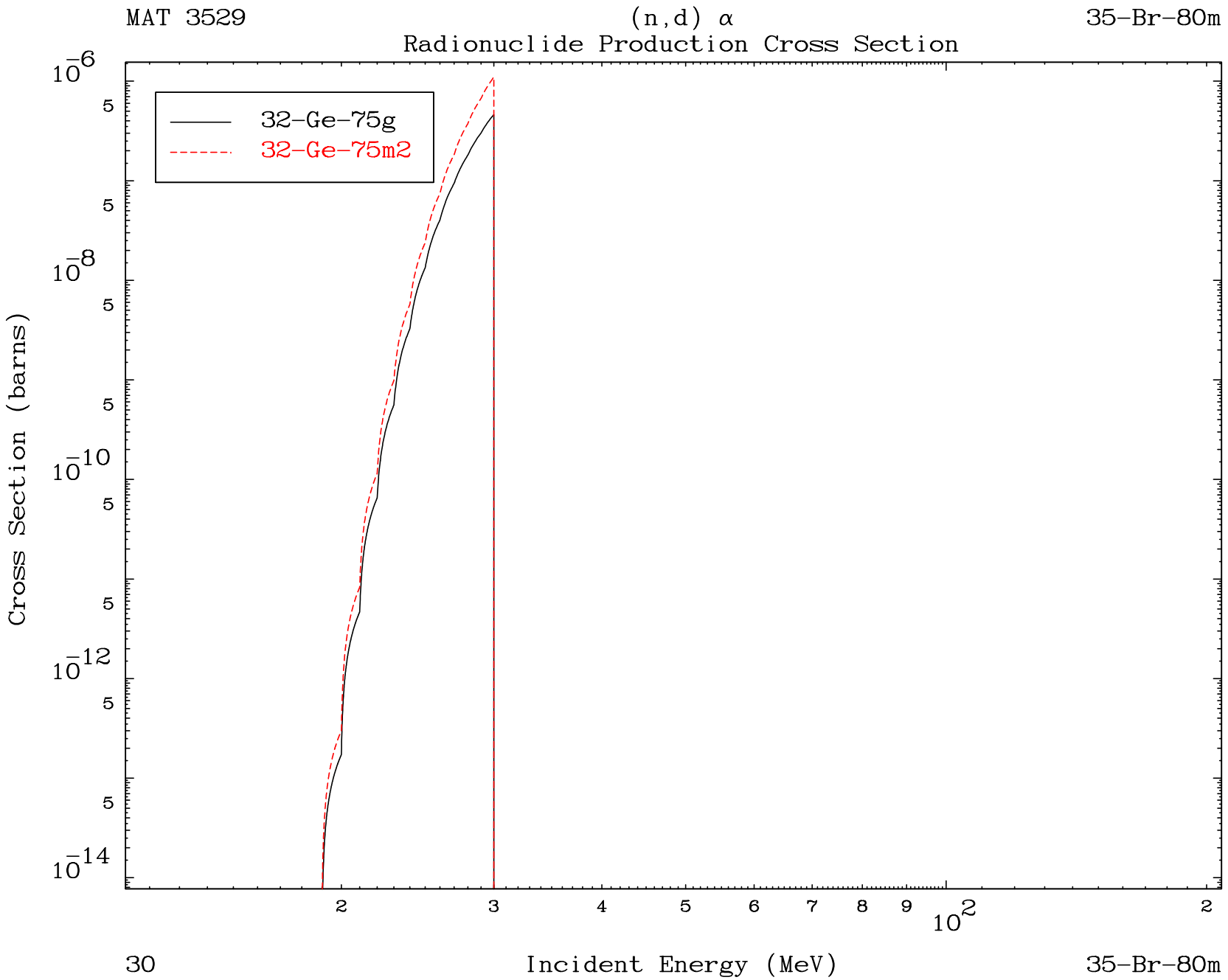

MAT 3529
(n,4n)
35-Br-80m
Radionuclide Production Cross Section
35-Br-77g
35-Br-77m1
Cross Section (barns)
Incident Energy (MeV)
25
35-Br-80m


MAT 3529
(n,3n) p
35-Br-80m
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
26
Incident Energy (MeV)
35-Br-80m


MAT 3529
(n,n') p α
35-Br-80m
Radionuclide Production Cross Section
32-Ge-75g
32-Ge-75m2
Cross Section (barns)
Incident Energy (MeV)
27
35-Br-80m


MAT 3529
(n,d)
35-Br-80m
Radionuclide Production Cross Section
34-Se-79g
34-Se-79m1
Cross Section (barns)
Incident Energy (MeV)
28
35-Br-80m


MAT 3529
(n,2α)
35-Br-80m
Radionuclide Production Cross Section
31-Ga-73g
31-Ga-73m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
29
Incident Energy (MeV)
35-Br-80m


MAT 3529
(n,d) α
35-Br-80m
Radionuclide Production Cross Section
32-Ge-75g
32-Ge-75m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
2
3
4
5
6
7
8
9
10^2
2
30
Incident Energy (MeV)
35-Br-80m