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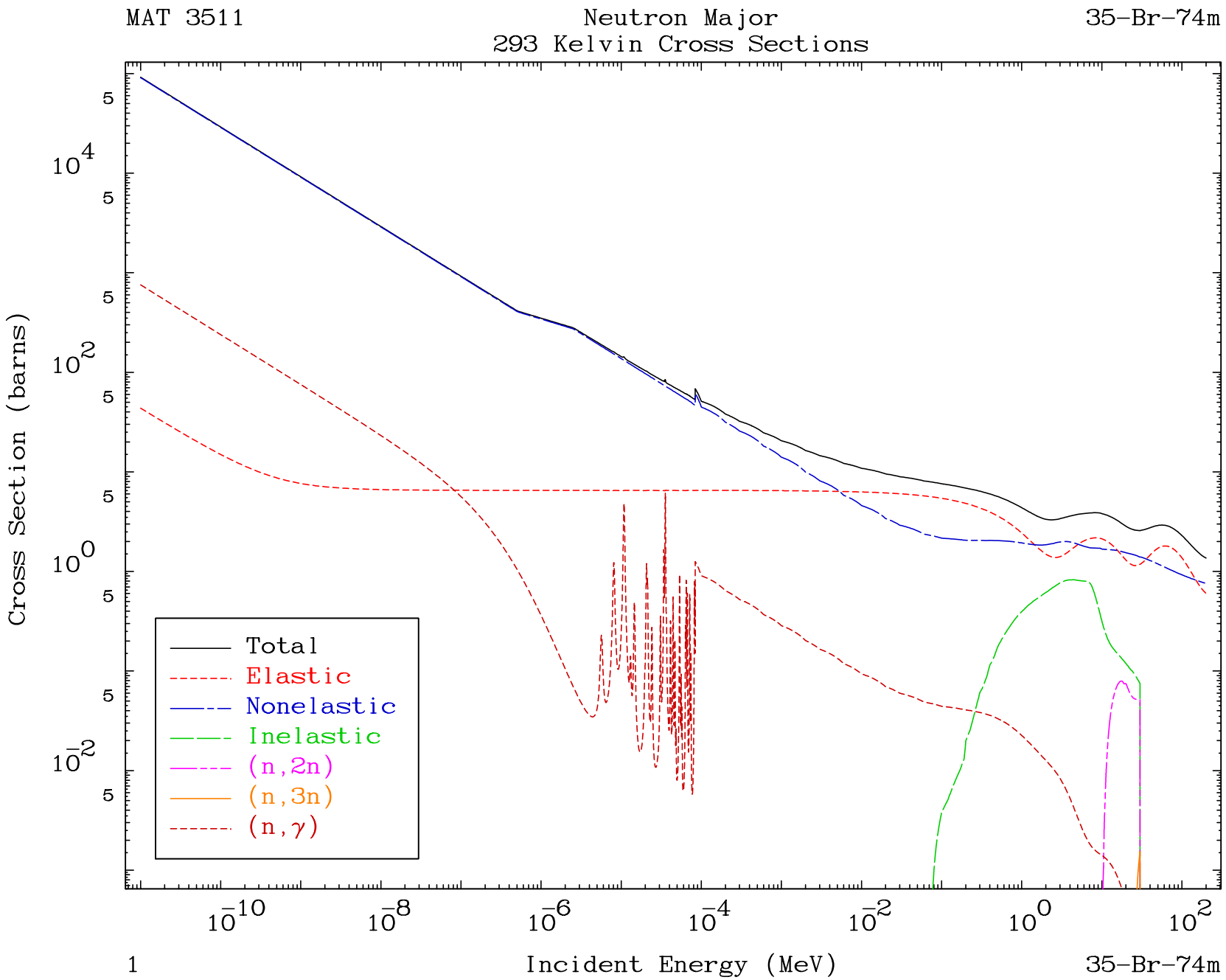
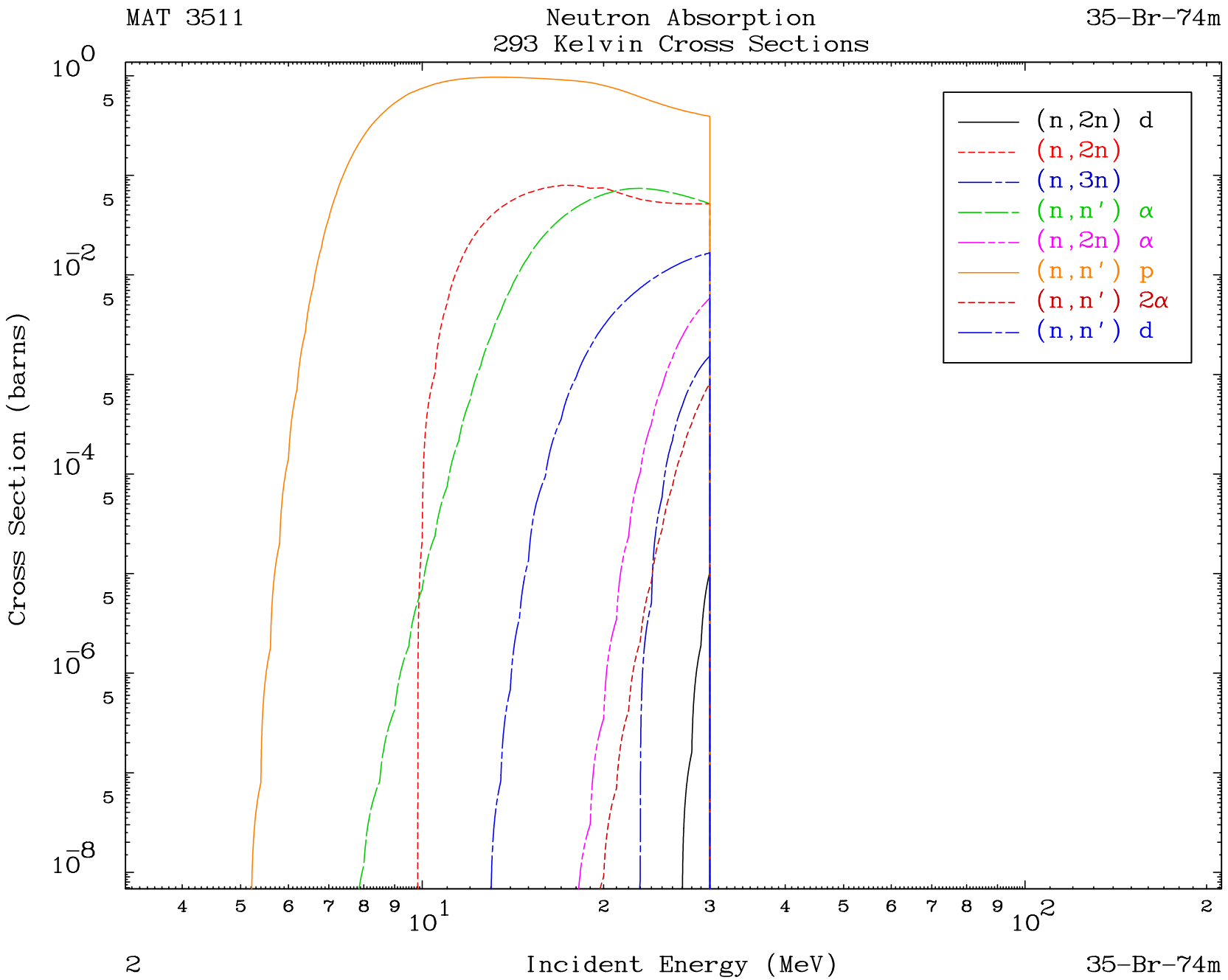
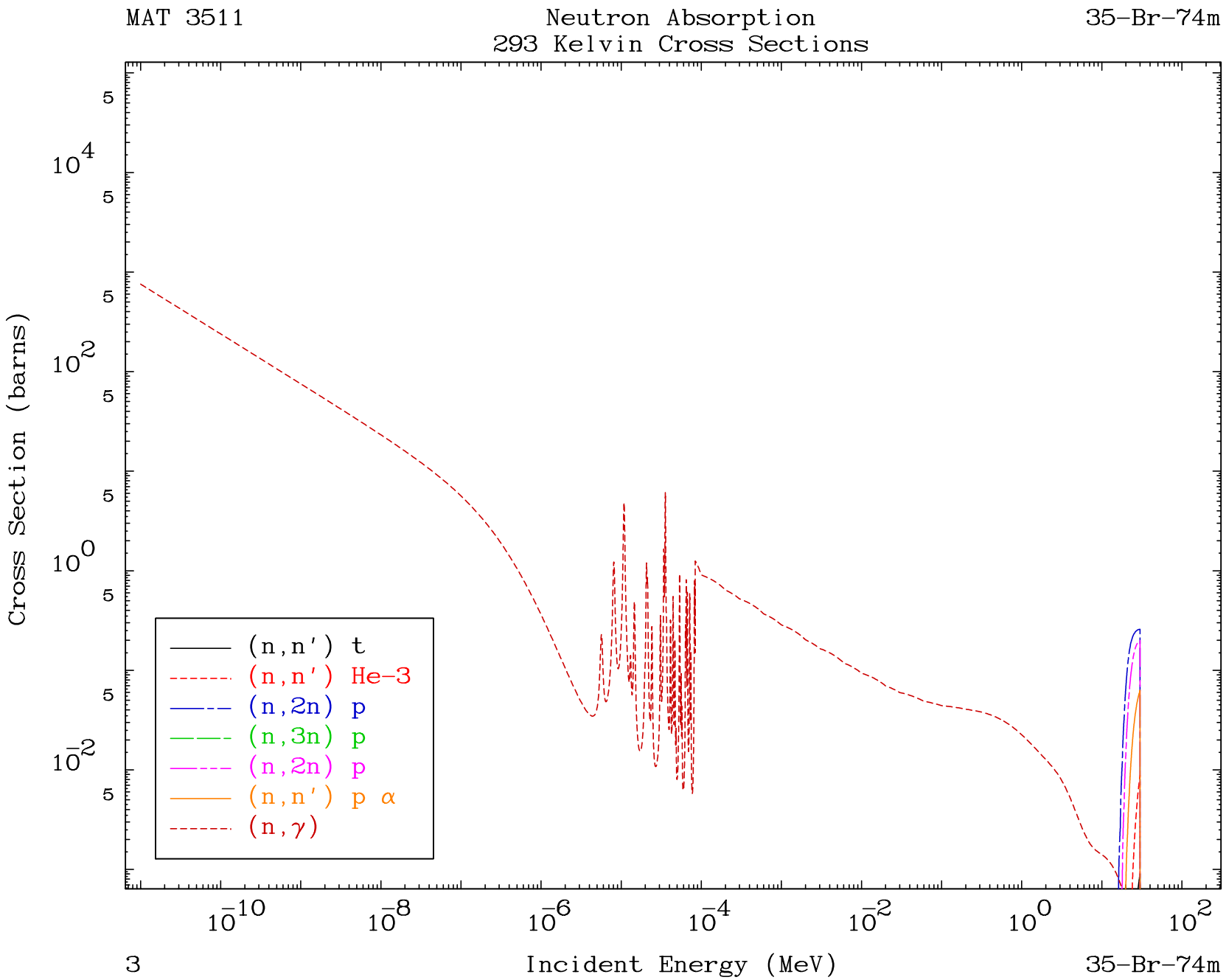
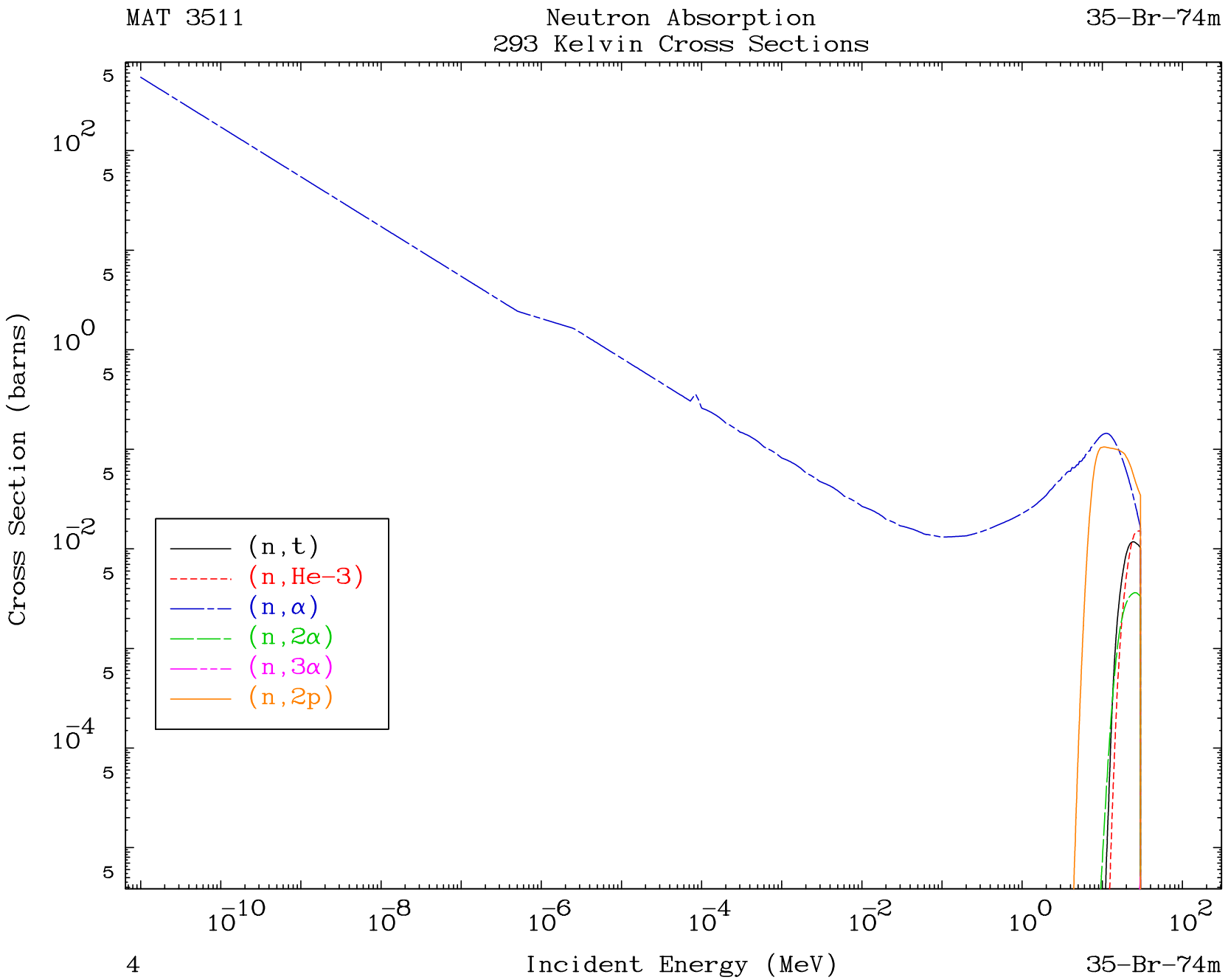
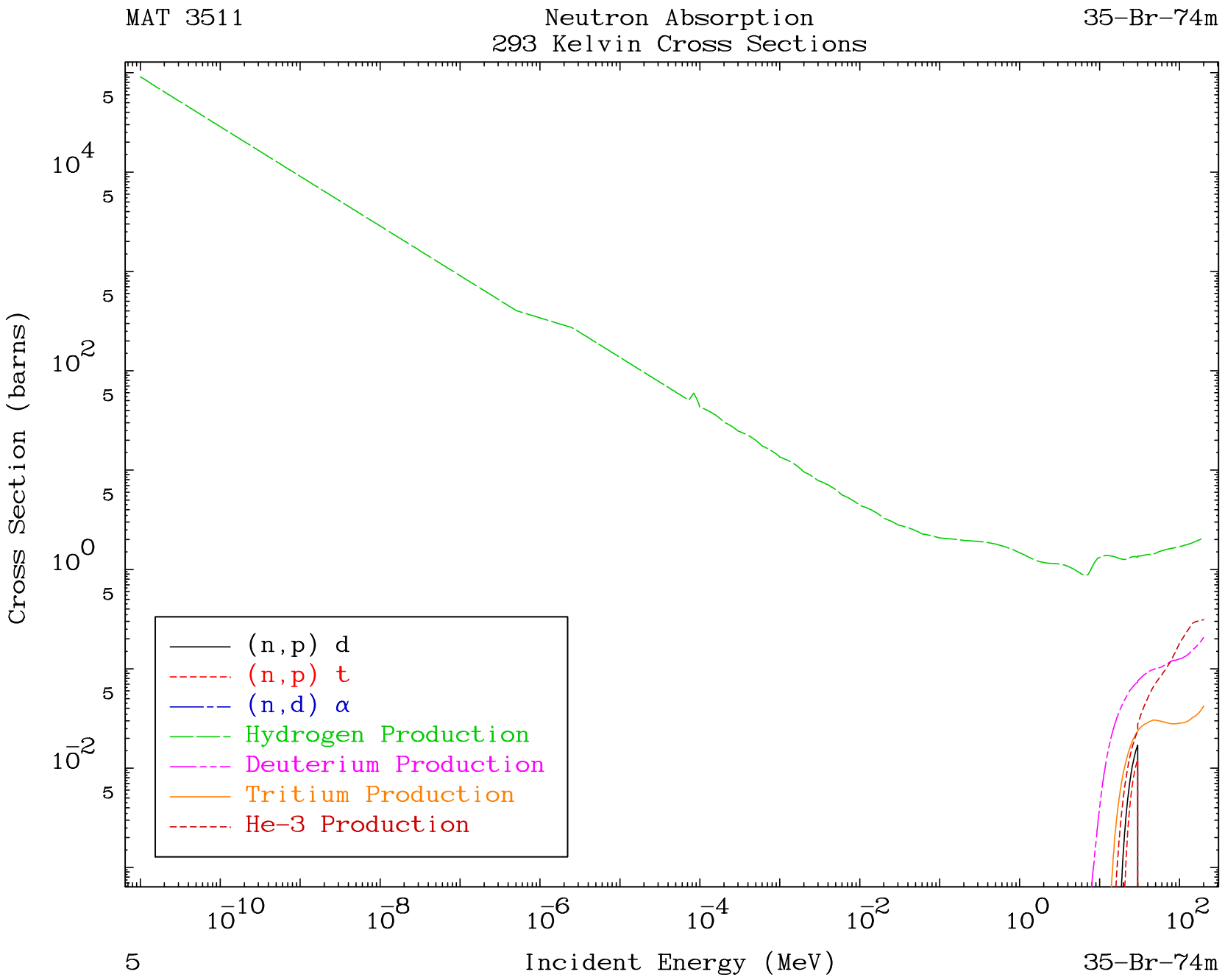
Press Mouse Button to Start

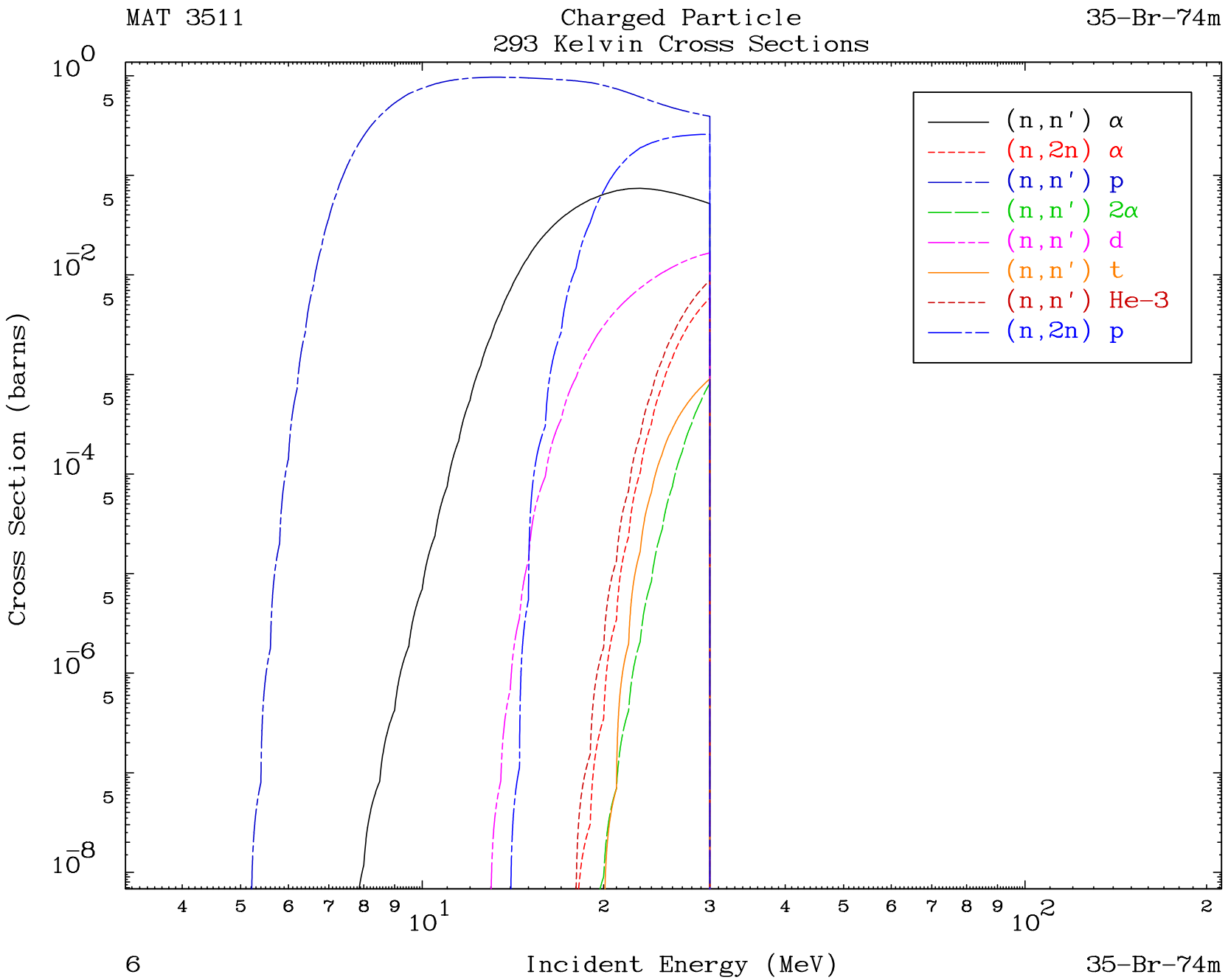

MAT 3511
Neutron Major
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
35-Br-74m

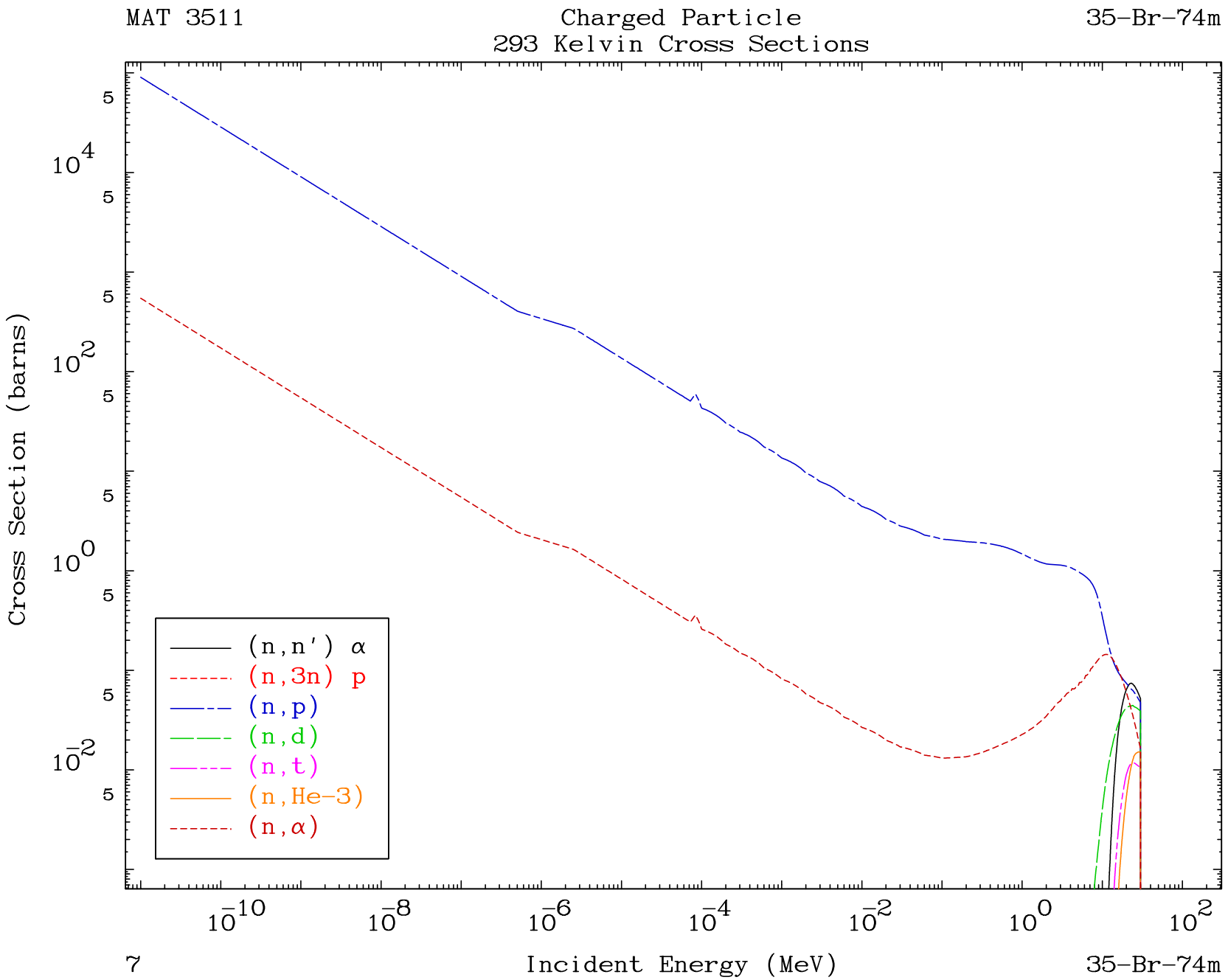

MAT 3511
Neutron Absorption
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
35-Br-74m

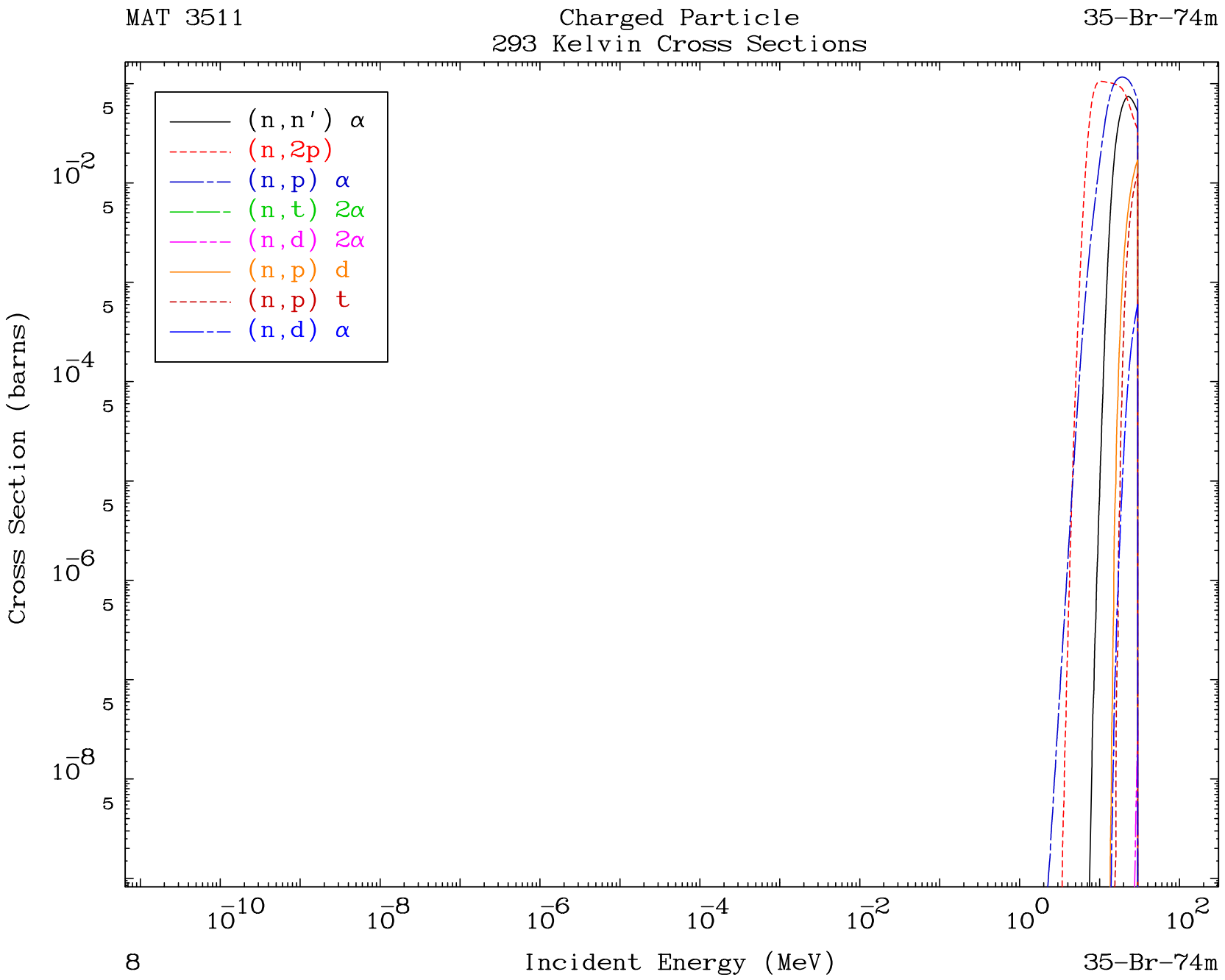

MAT 3511
Neutron Absorption
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
3
35-Br-74m

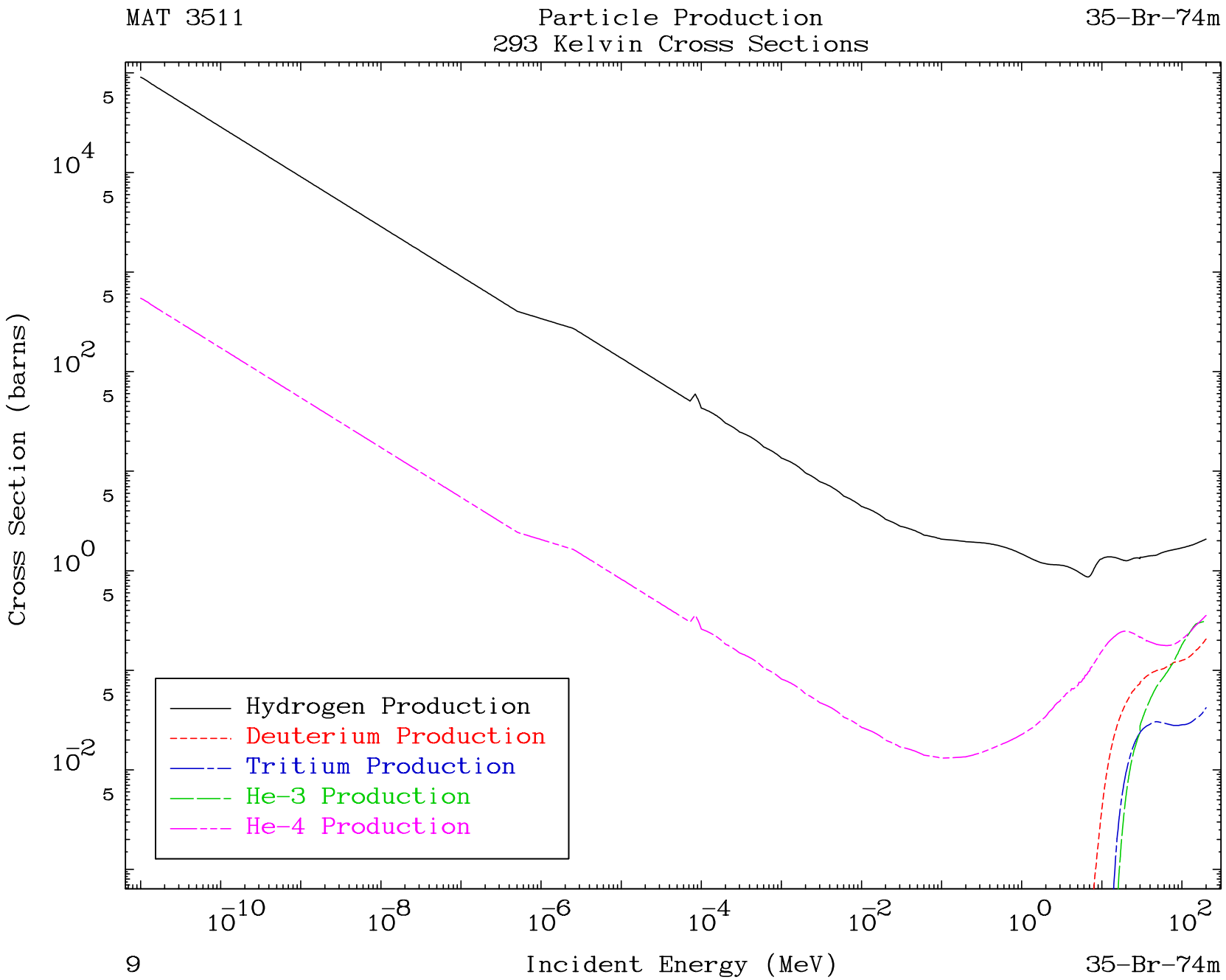

MAT 3511
Neutron Absorption
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
4
35-Br-74m

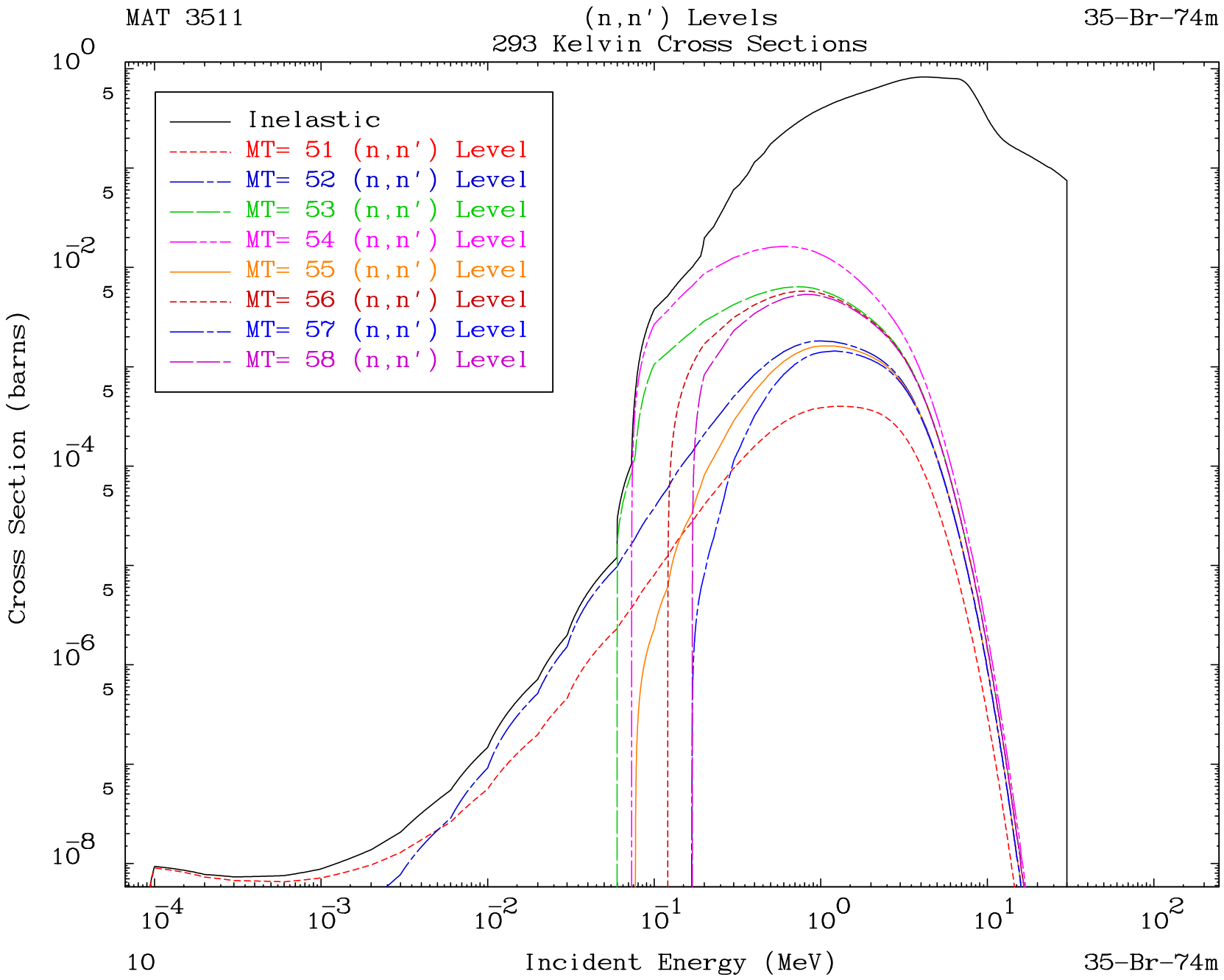

MAT 3511
Neutron Absorption
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
35-Br-74m
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production

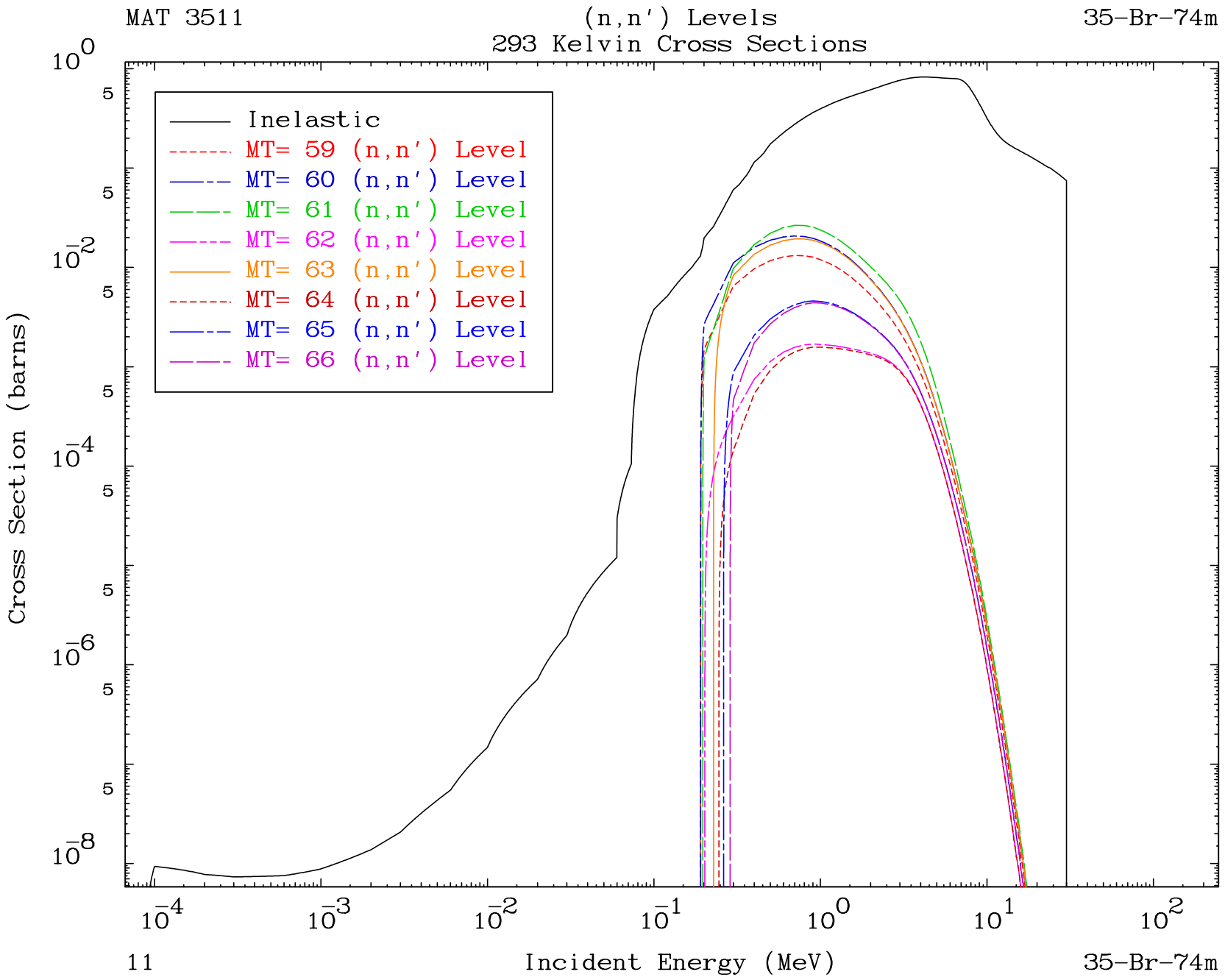

MAT 3511
Charged Particle
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
6
35-Br-74m

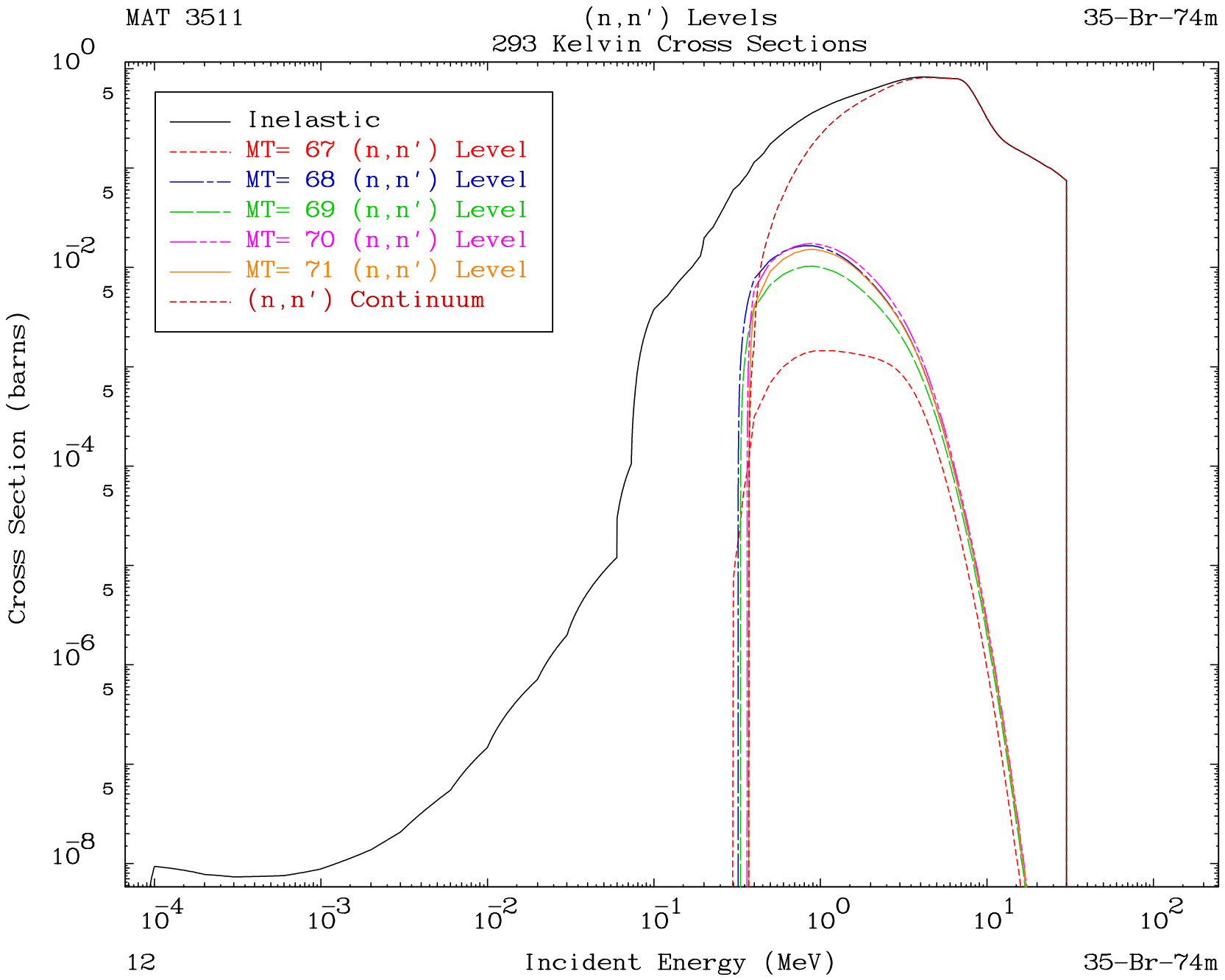

MAT 3511
Charged Particle
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
7
35-Br-74m

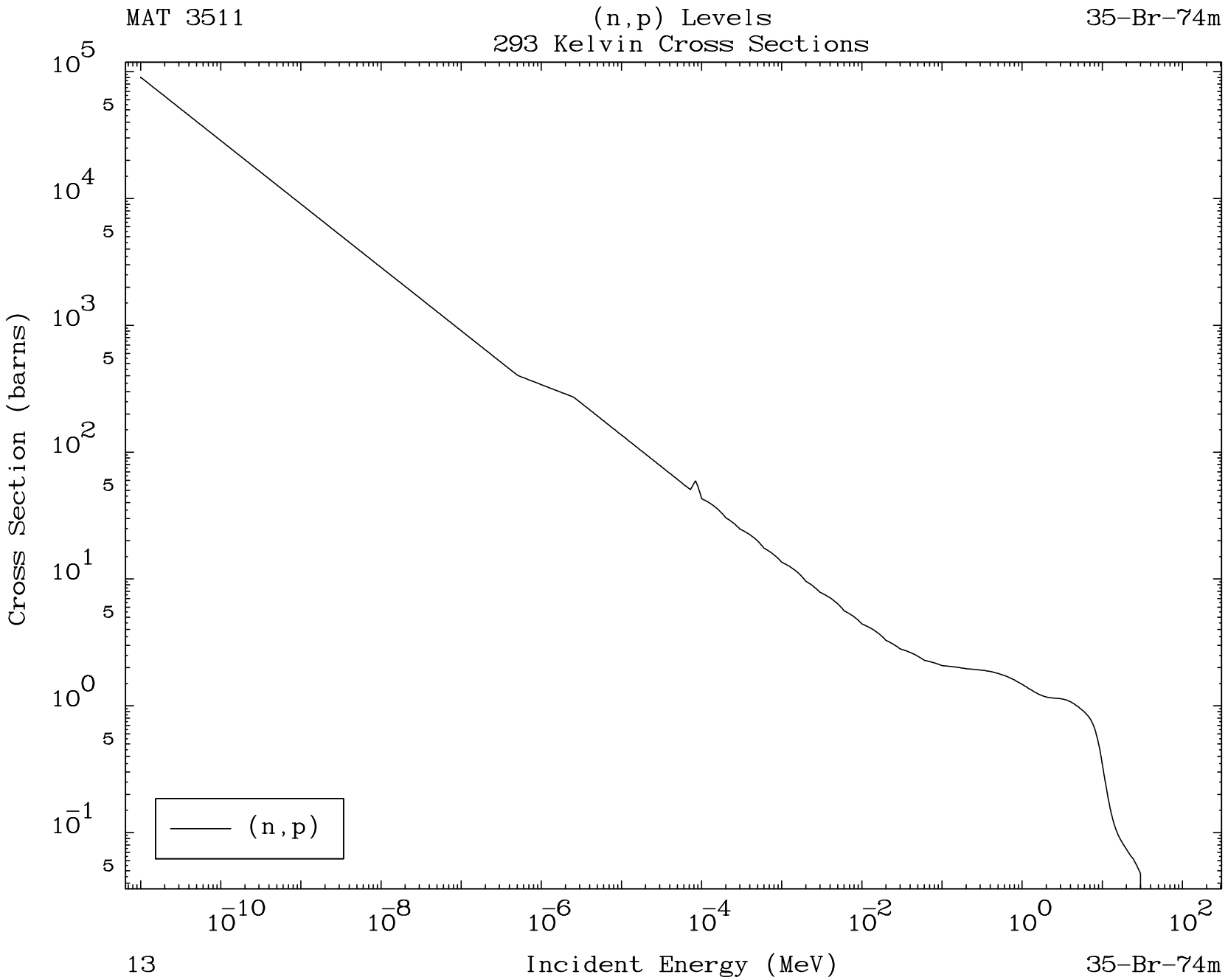

MAT 3511
Charged Particle
293 Kelvin Cross Sections
35-Br-74m
(n,n') α
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
8
35-Br-74m

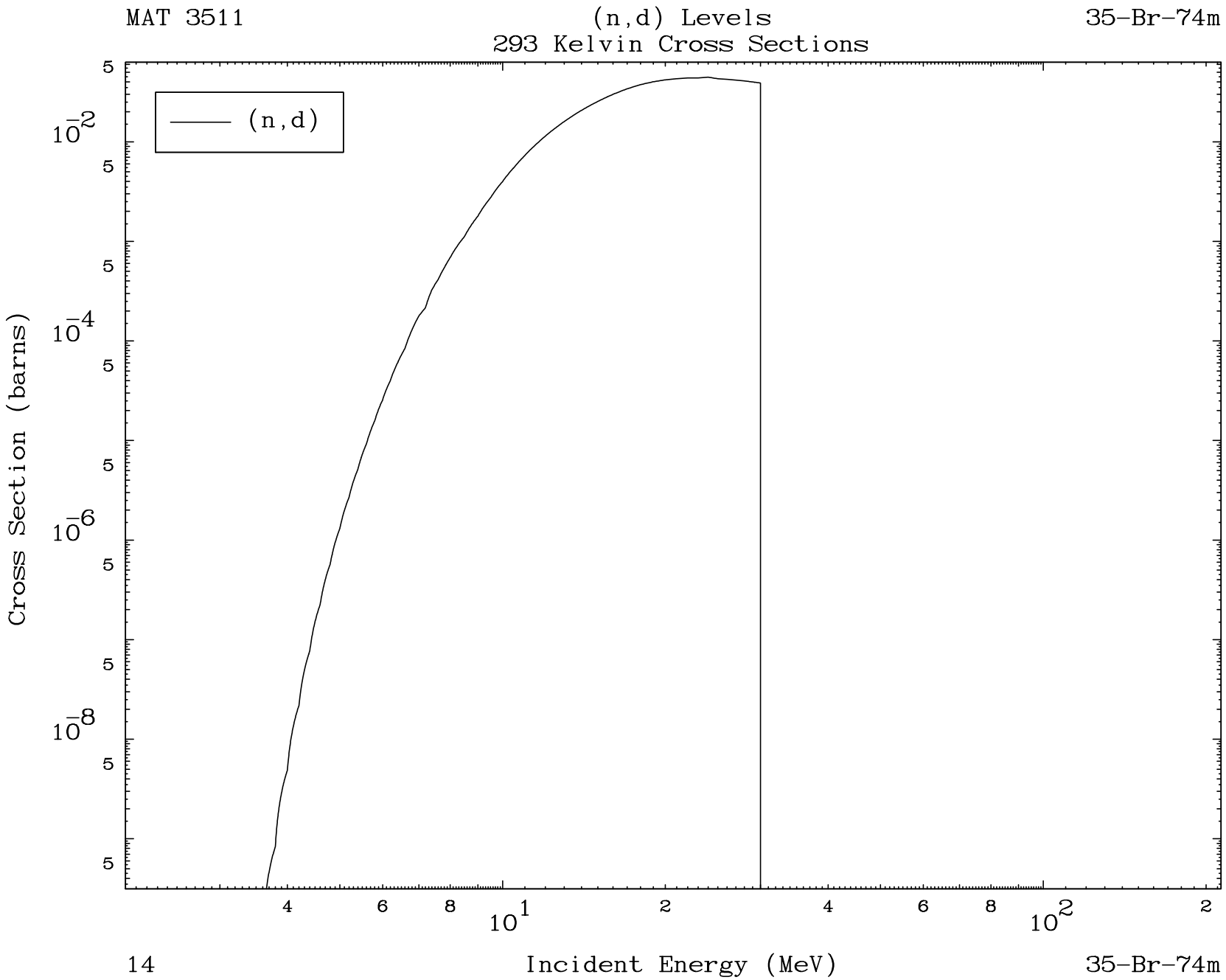

MAT 3511
Particle Production
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
35-Br-74m

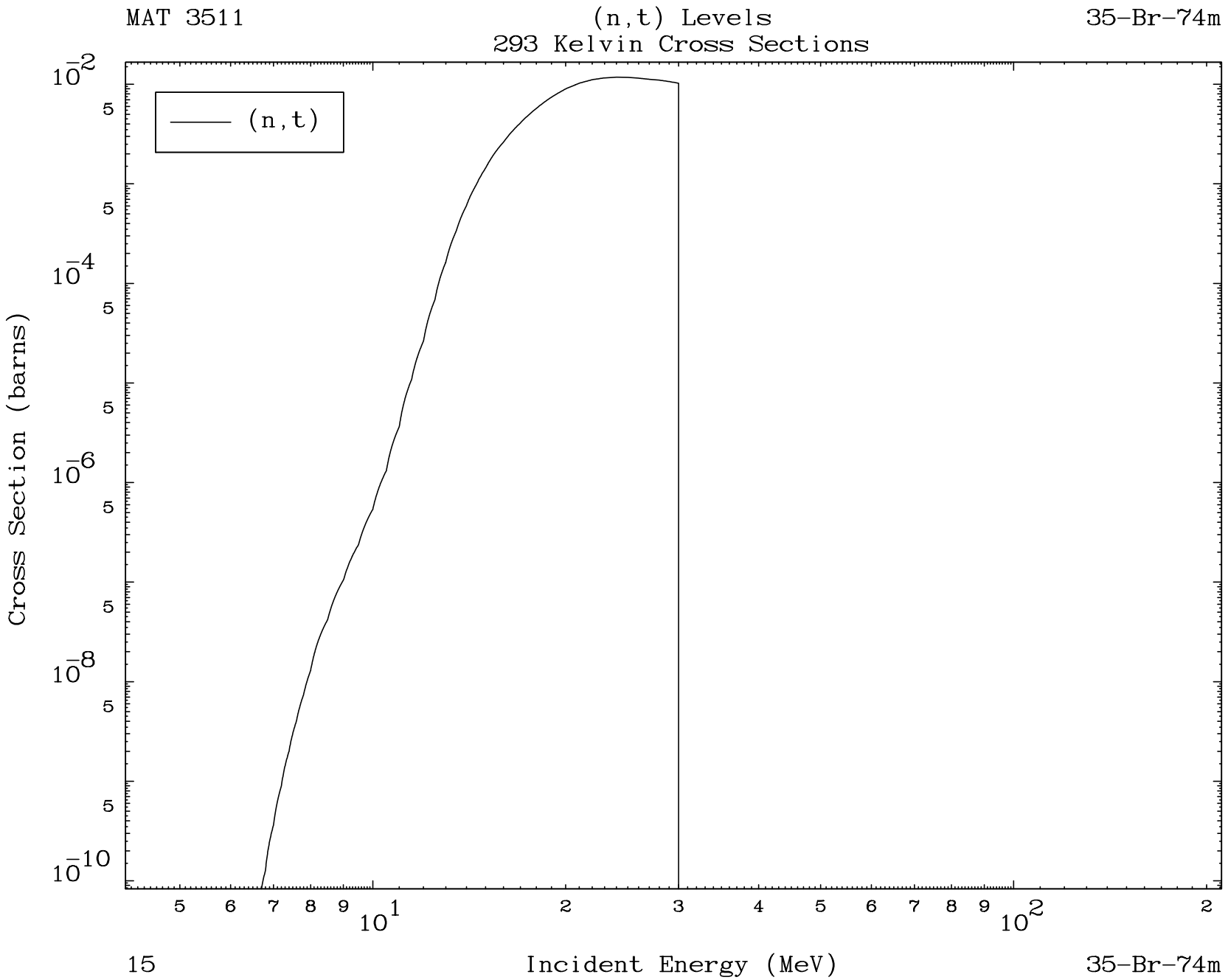

MAT 3511
(n,n') Levels
293 Kelvin Cross Sections
35-Br-74m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
35-Br-74m

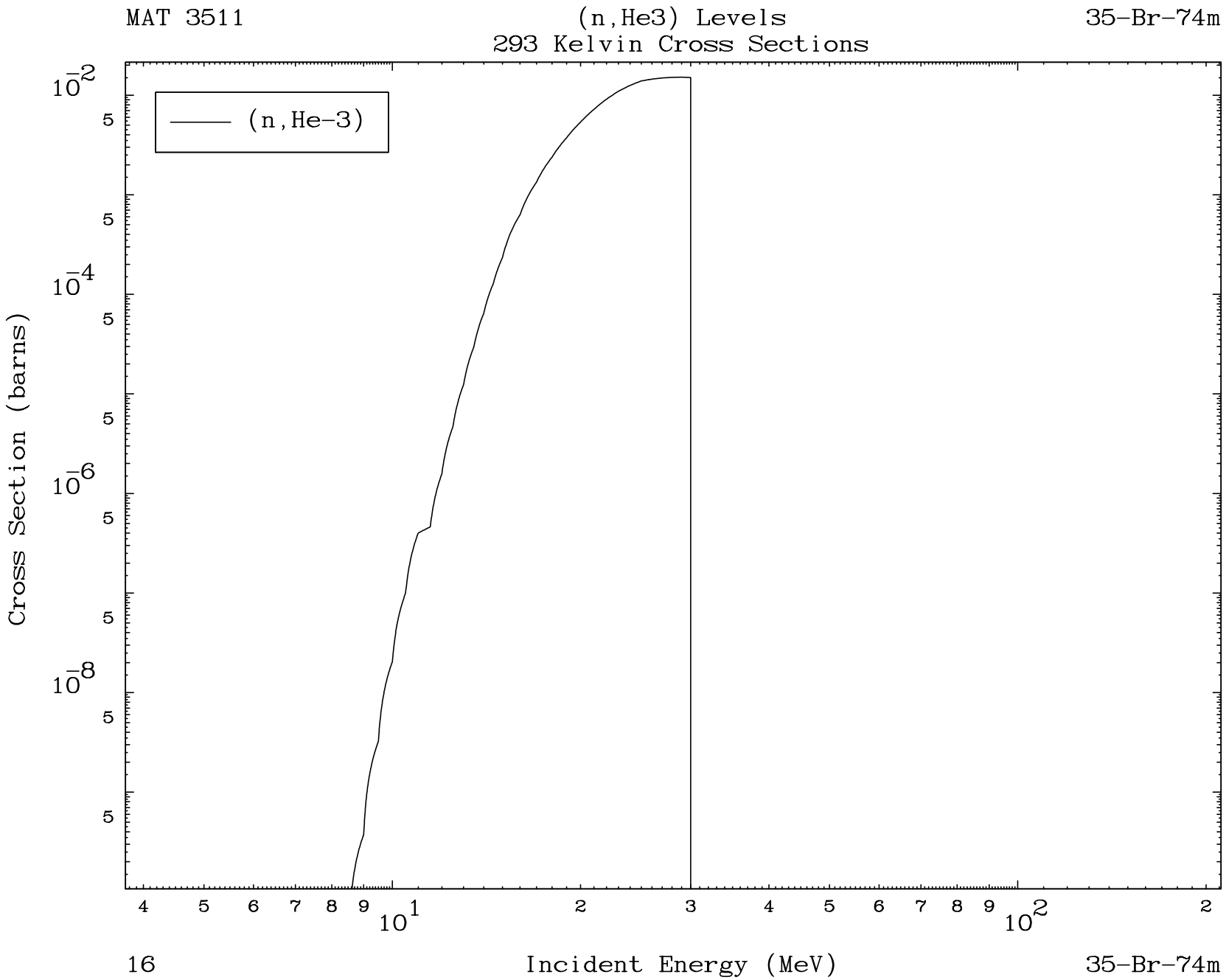

MAT 3511
(n,n') Levels
293 Kelvin Cross Sections
35-Br-74m
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
11
35-Br-74m

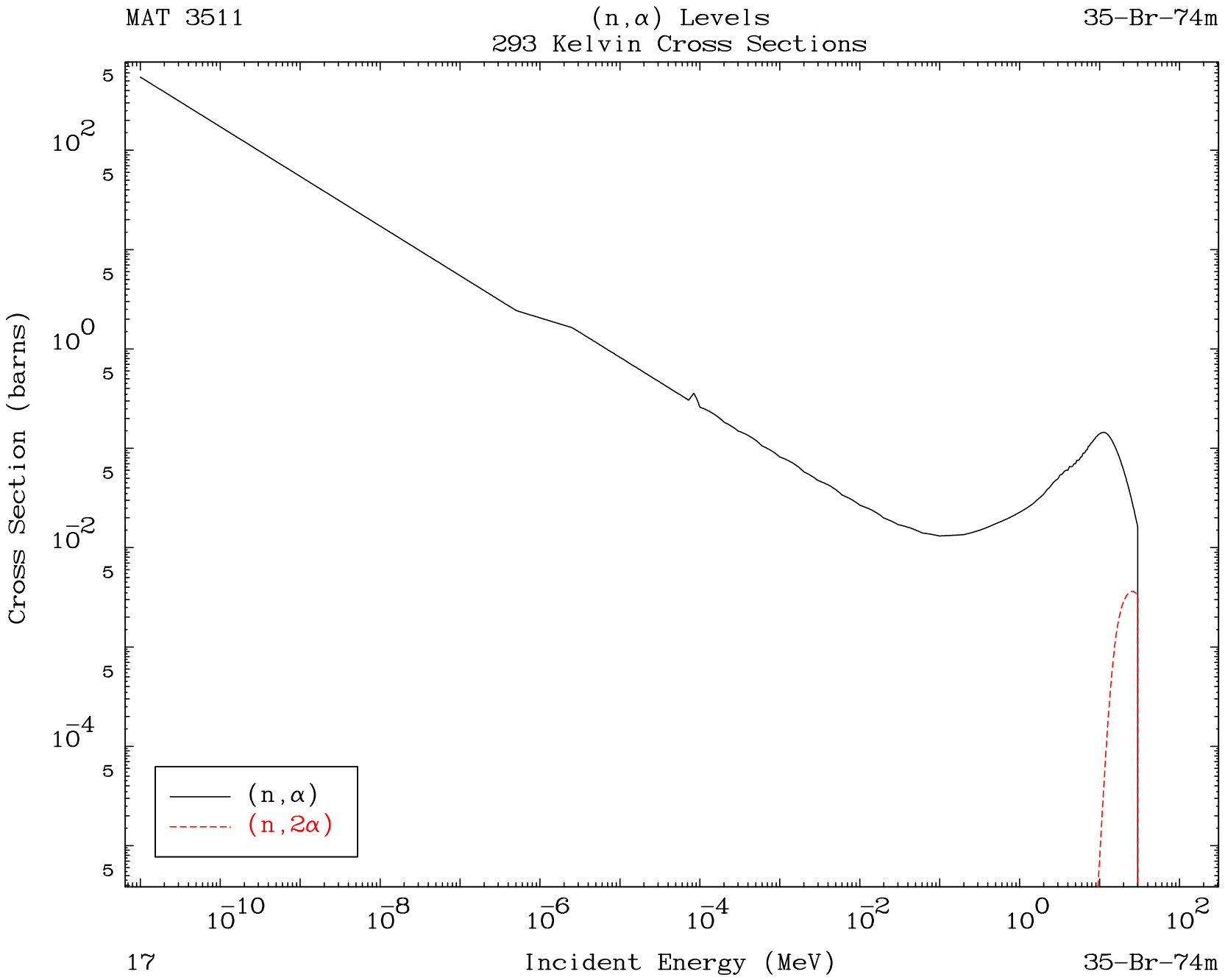

MAT 3511
(n,n') Levels
293 Kelvin Cross Sections
35-Br-74m
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
12
35-Br-74m

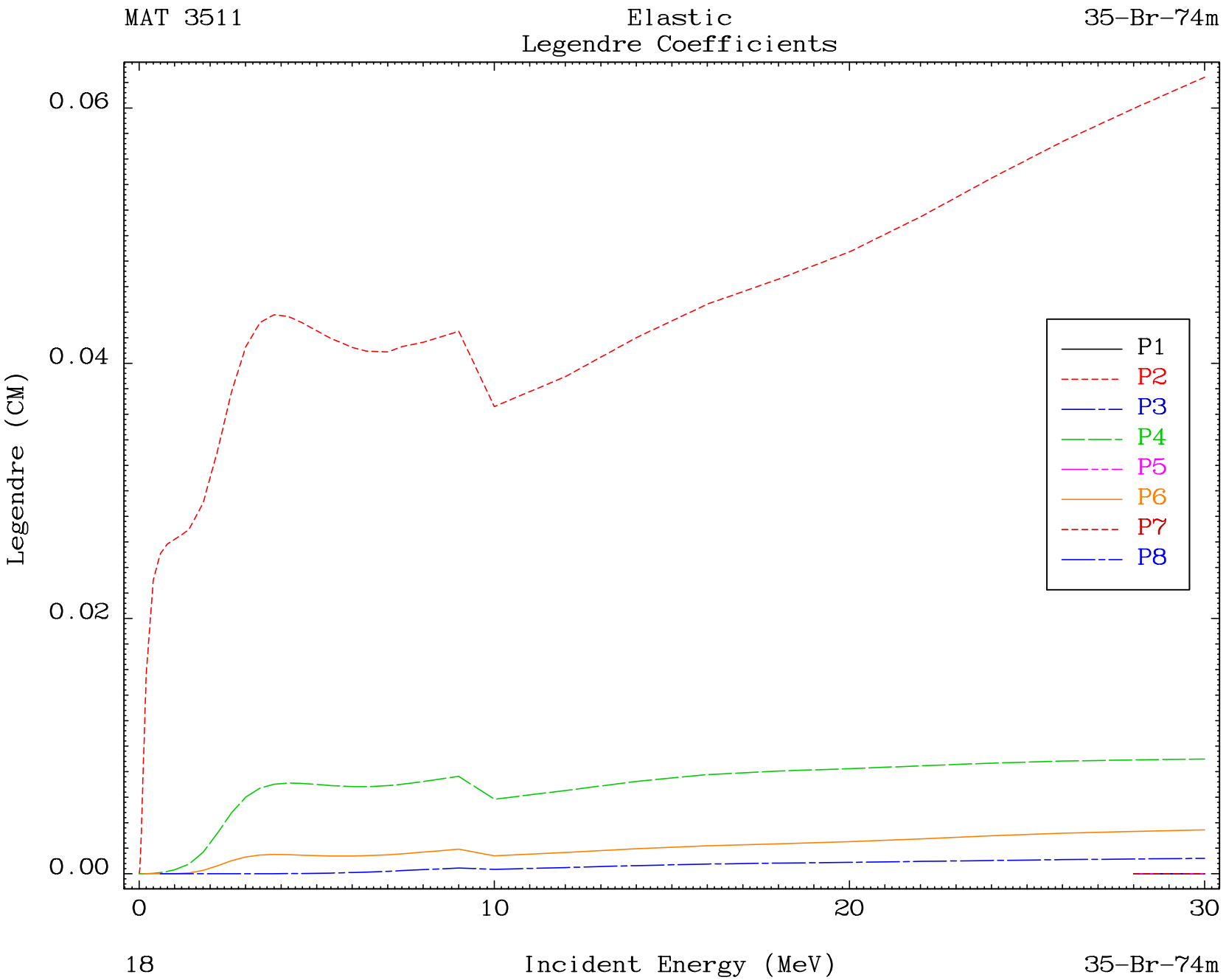

MAT 3511
(n,p) Levels
35-Br-74m
293 Kelvin Cross Sections
Cross Section (barns)
10^5
10^4
10^3
10^2
10^1
10^0
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
13
35-Br-74m

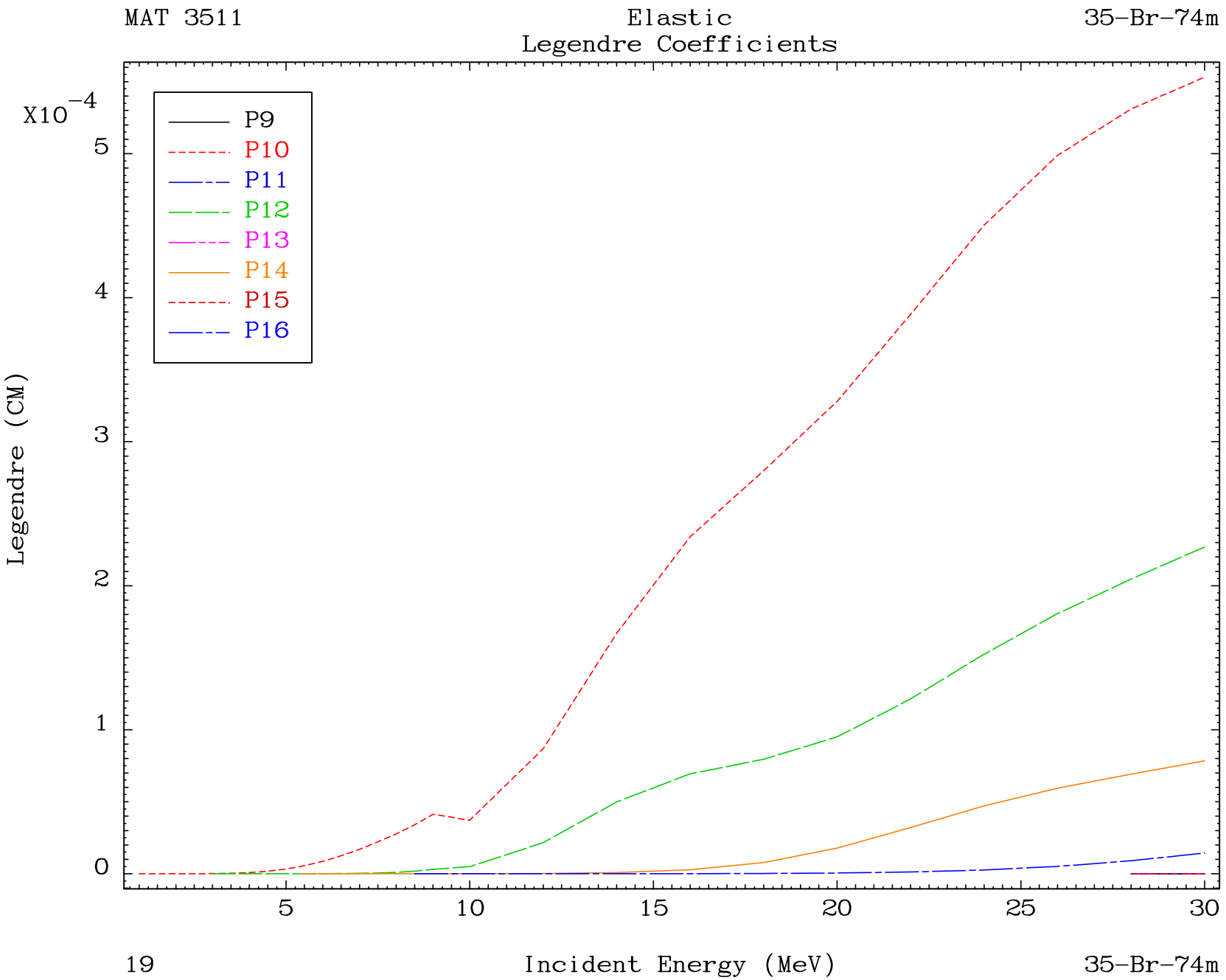

MAT 3511
(n,d) Levels
35-Br-74m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
14
35-Br-74m

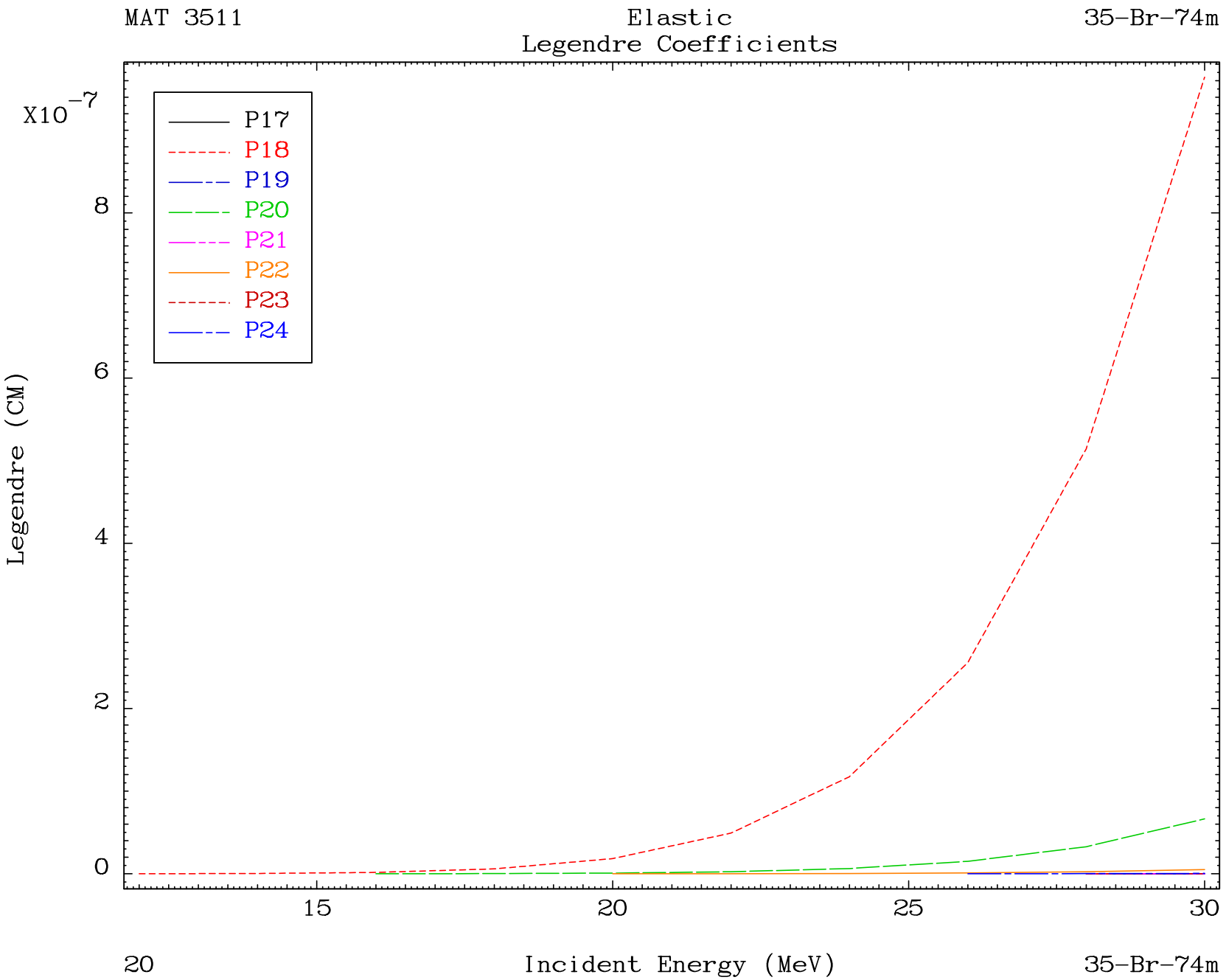

MAT 3511
(n,t) Levels
35-Br-74m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
15
35-Br-74m

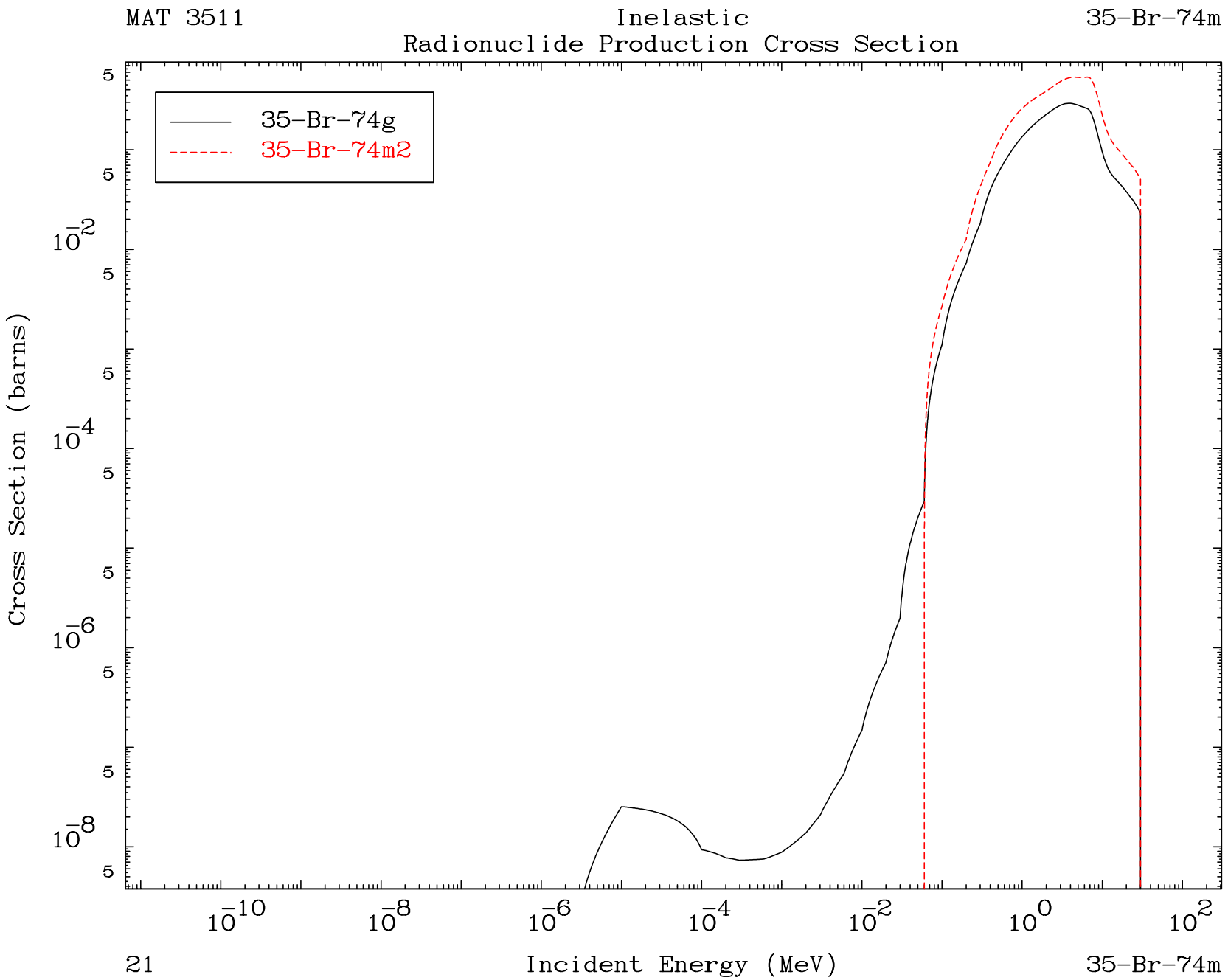

MAT 3511
(n,He3) Levels
35-Br-74m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
16
35-Br-74m

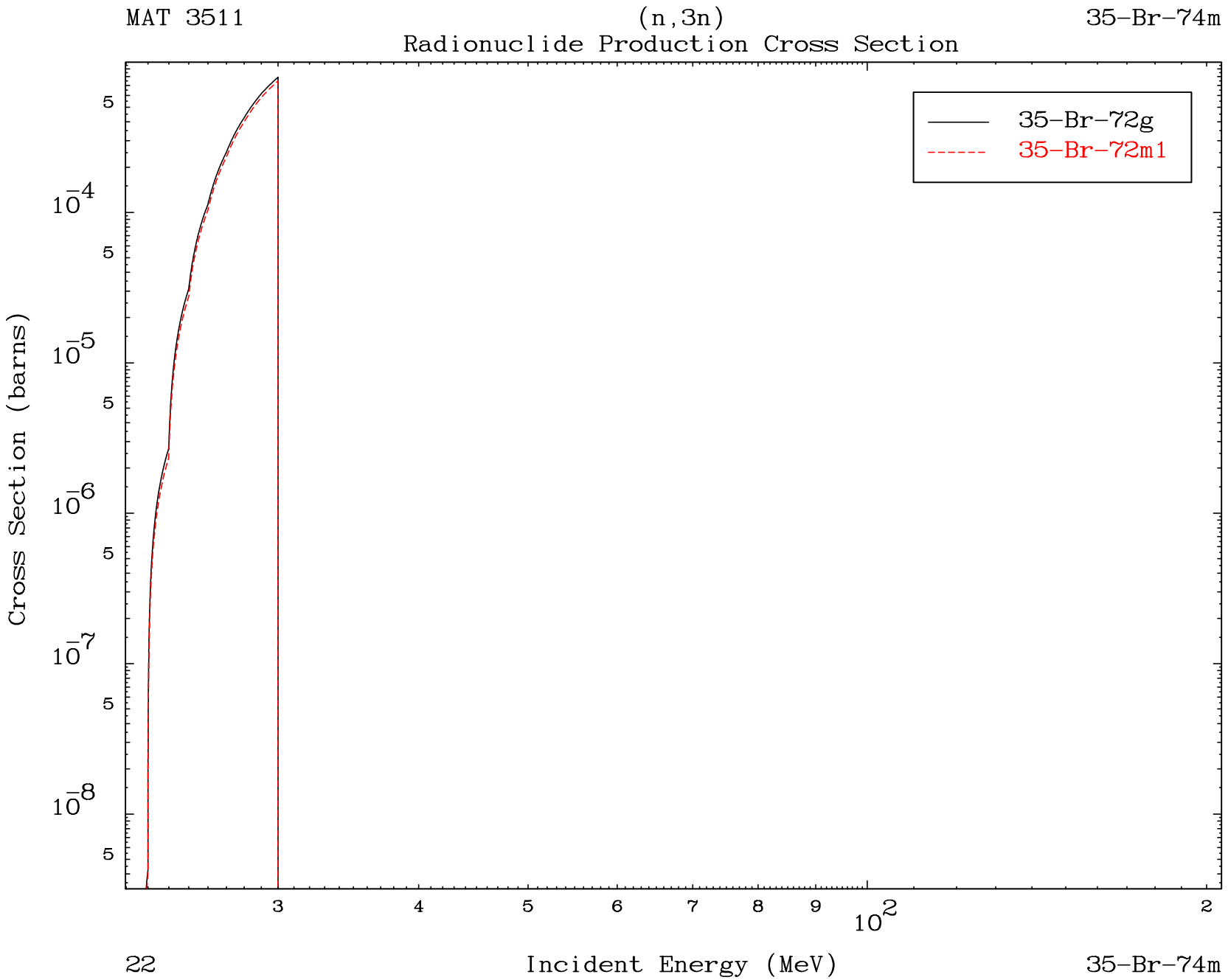

MAT 3511
(n,α) Levels
293 Kelvin Cross Sections
35-Br-74m
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
(n,α)
(n,2α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
17
Incident Energy (MeV)
35-Br-74m

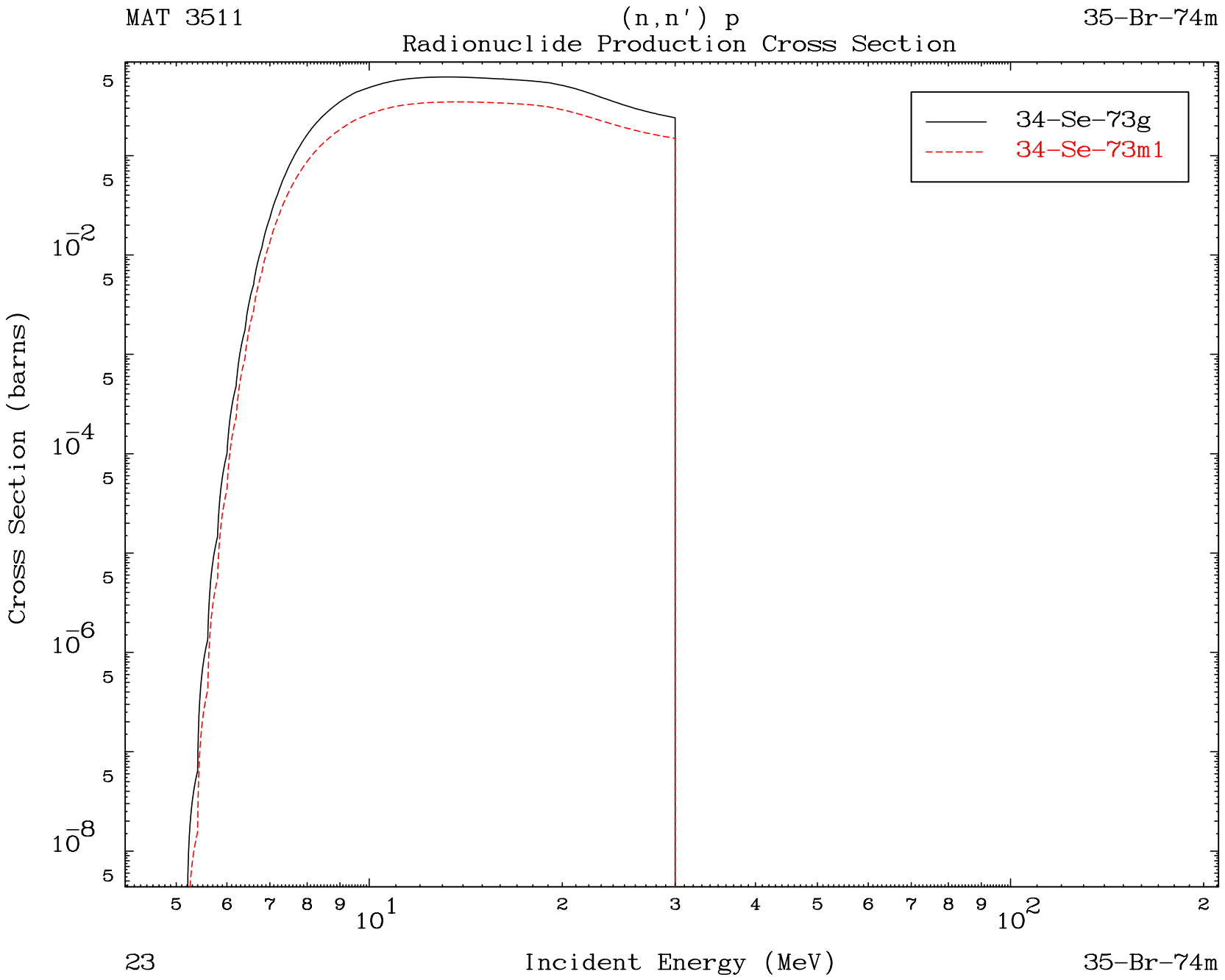

MAT 3511
Elastic
Legendre Coefficients
35-Br-74m
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
10
20
30
18
Incident Energy (MeV)
35-Br-74m

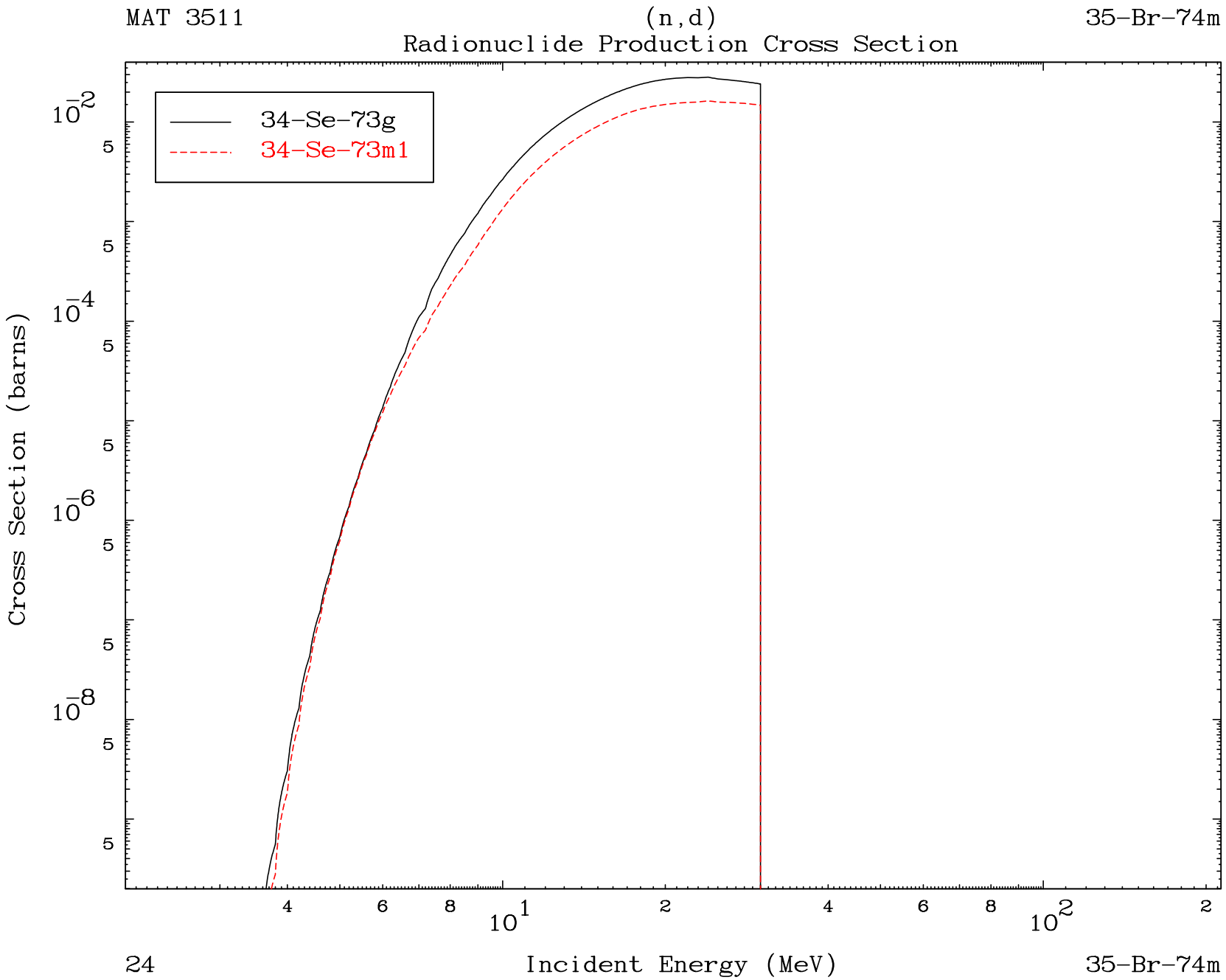

MAT 3511
Elastic
Legendre Coefficients
35-Br-74m
X10 -4
P9
P10
P11
P12
P13
P14
P15
P16
Legendre (CM)
0
1
2
3
4
5
5
10
15
20
25
30
19
Incident Energy (MeV)
35-Br-74m


MAT 3511
Elastic
Legendre Coefficients
35-Br-74m
X10-7
P17
P18
P19
P20
P21
P22
P23
P24
Legendre (CM)
8
6
4
2
0
15
20
25
30
20
Incident Energy (MeV)
35-Br-74m


MAT 3511
Inelastic
35-Br-74m
Radionuclide Production Cross Section
35-Br-74g
35-Br-74m2
Cross Section (barns)
Incident Energy (MeV)
21
35-Br-74m


MAT 3511
(n,3n)
35-Br-74m
Radionuclide Production Cross Section
35-Br-72g
35-Br-72m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
5
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
35-Br-74m


MAT 3511
(n,n') p
35-Br-74m
Radionuclide Production Cross Section
34-Se-73g
34-Se-73m1
Cross Section (barns)
Incident Energy (MeV)
23
35-Br-74m


MAT 3511
(n,d)
35-Br-74m
Radionuclide Production Cross Section
34-Se-73g
34-Se-73m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
24
Incident Energy (MeV)
35-Br-74m