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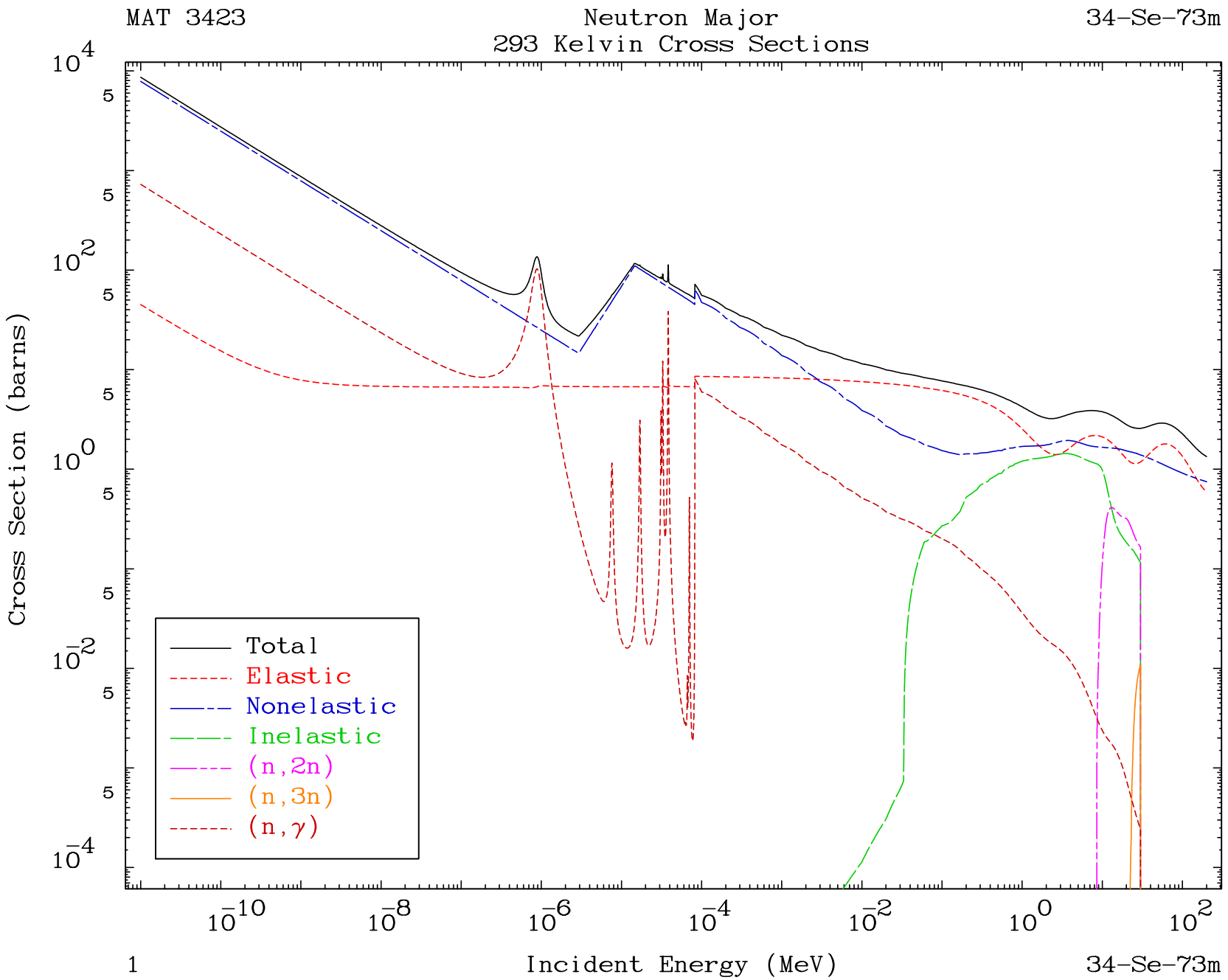
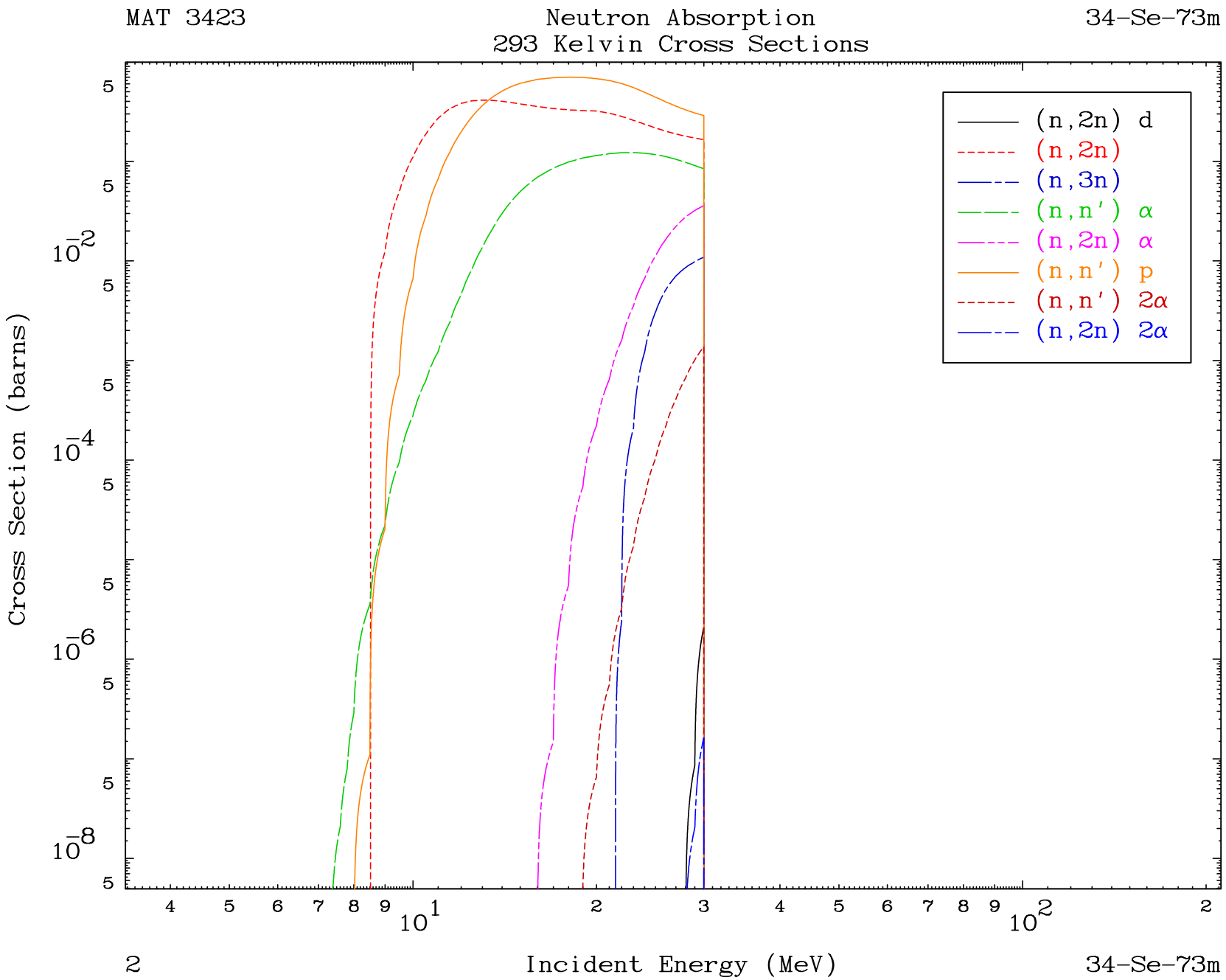
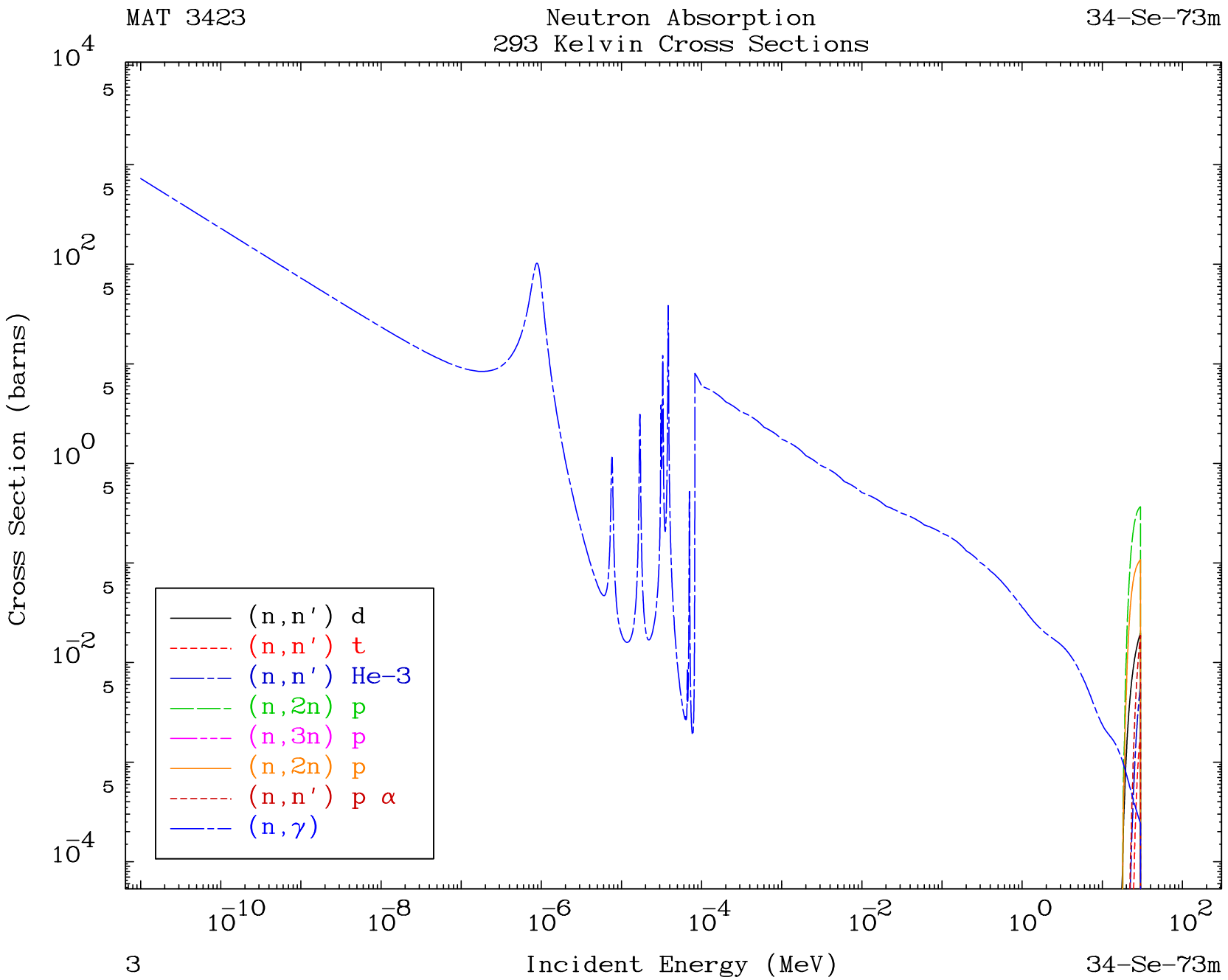
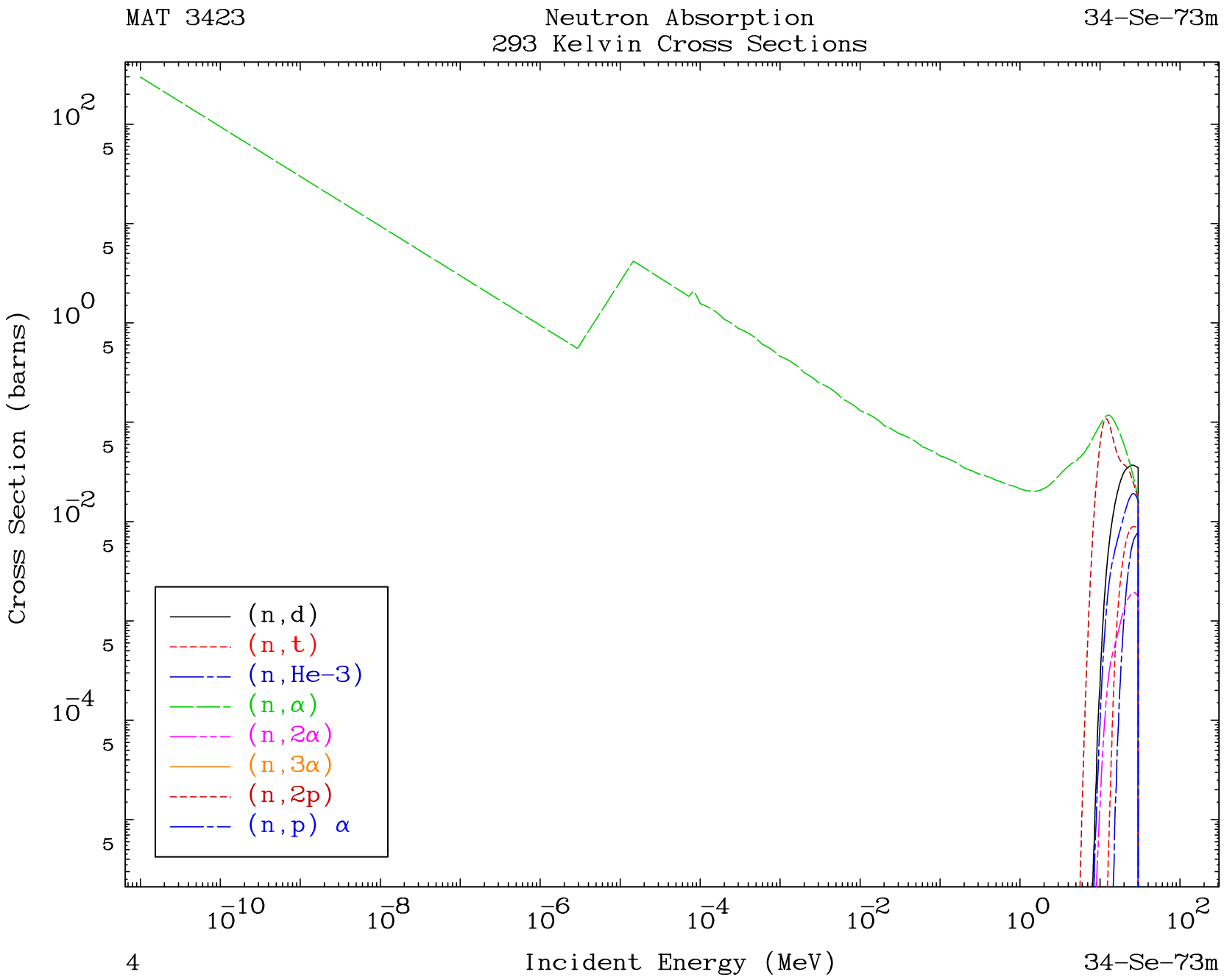
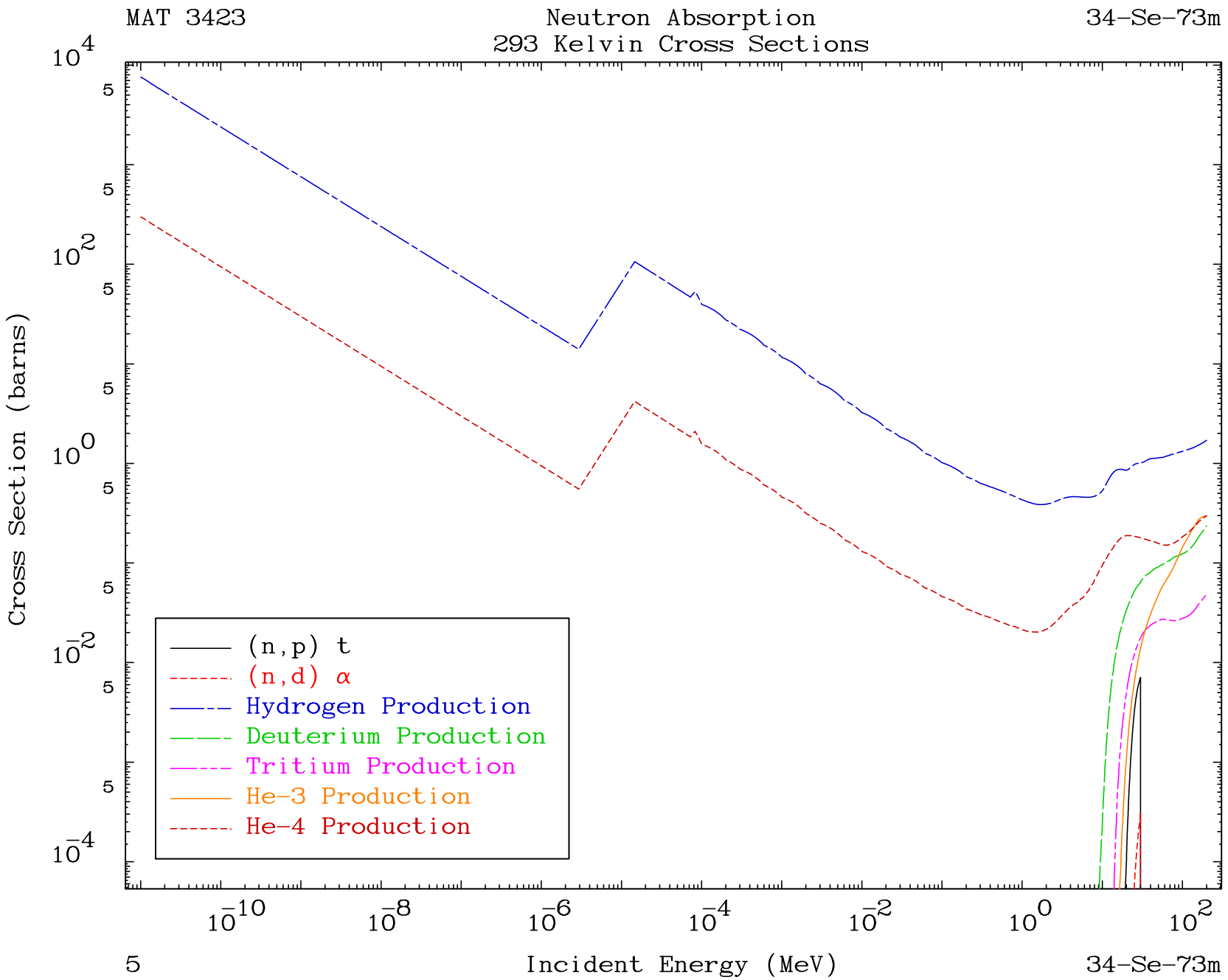
Press Mouse Button to Start

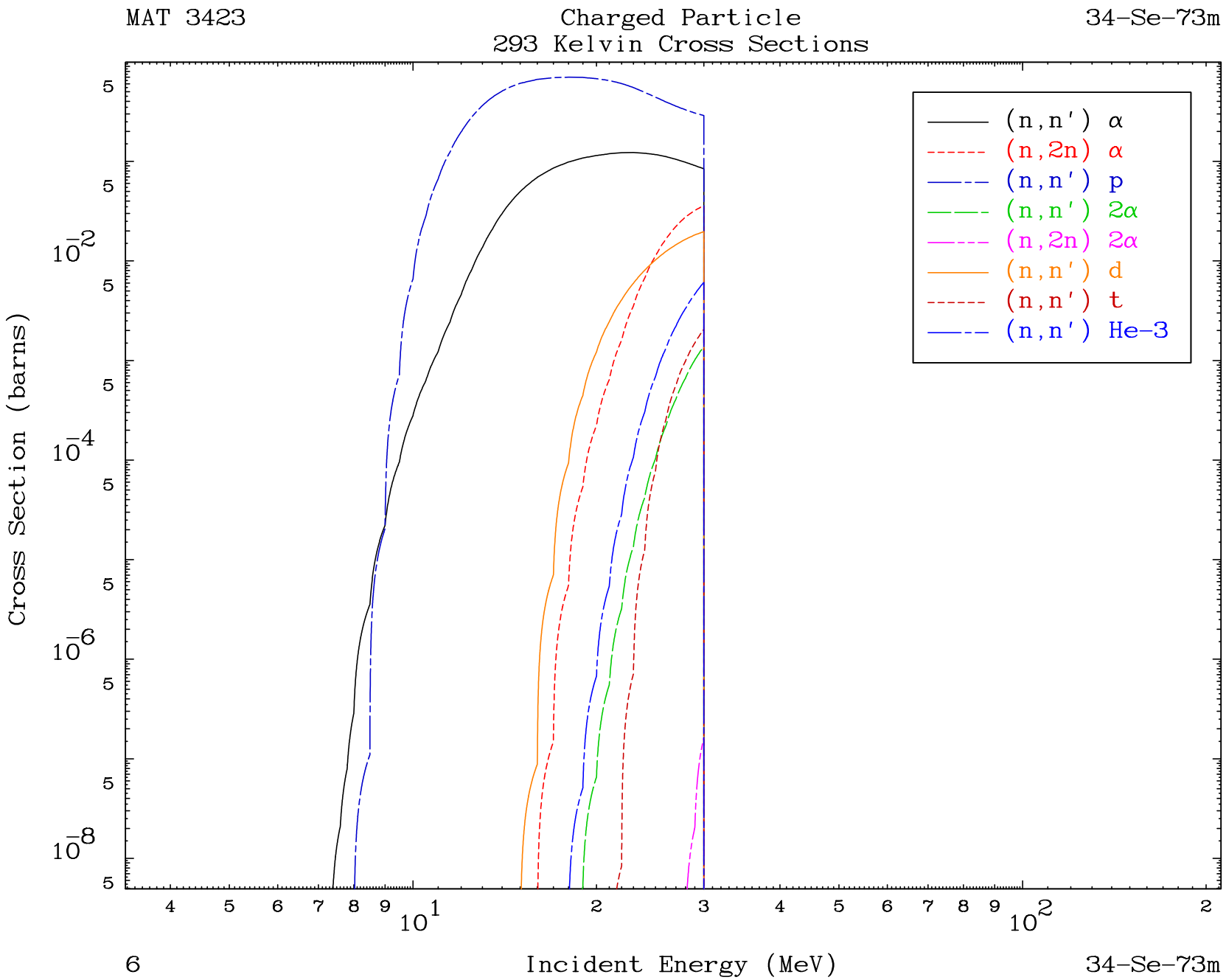

MAT 3423
Neutron Major
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
34-Se-73m

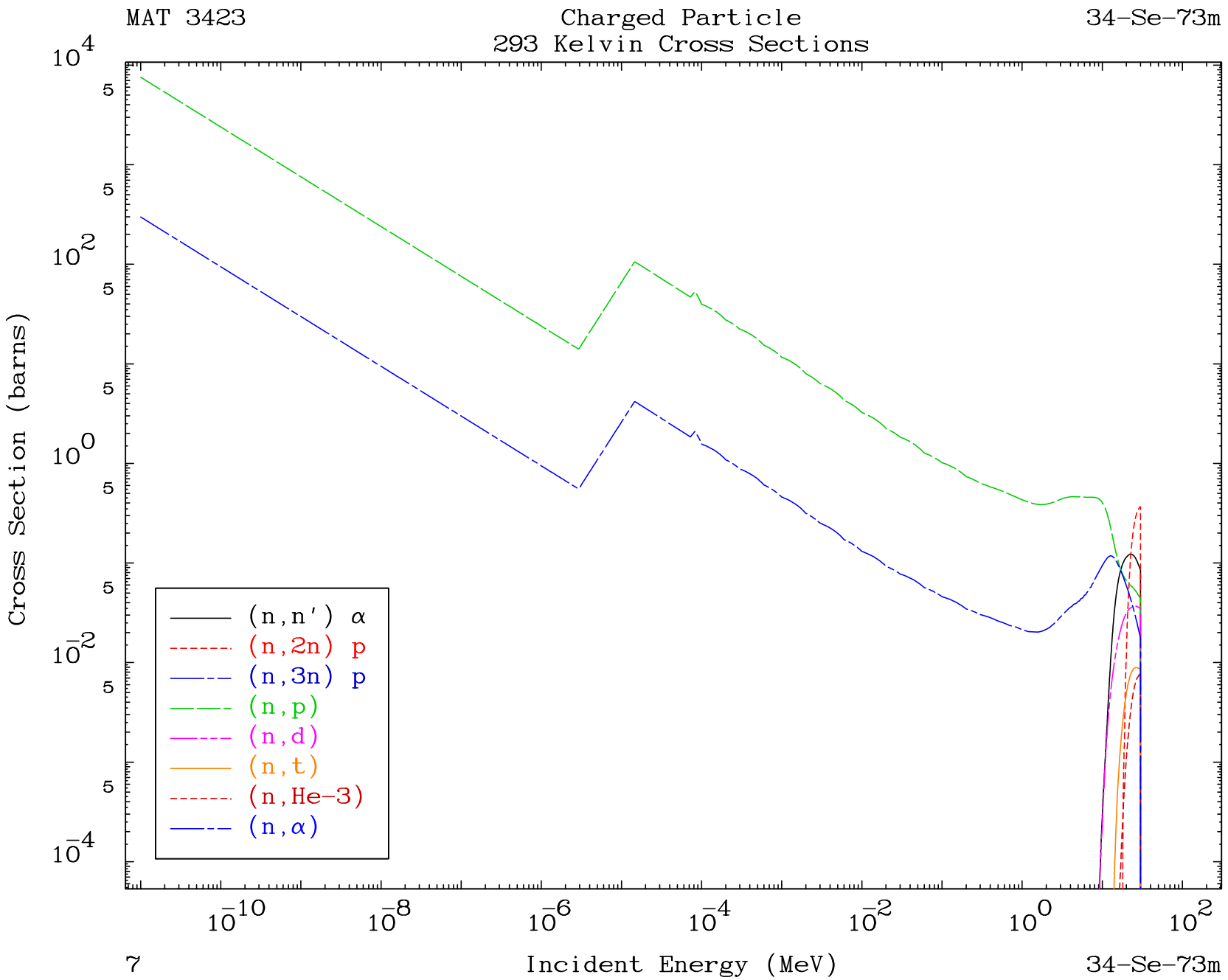

MAT 3423
Neutron Absorption
293 Kelvin Cross Sections
34-Se-73m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
Cross Section (barns)
Incident Energy (MeV)
2
34-Se-73m

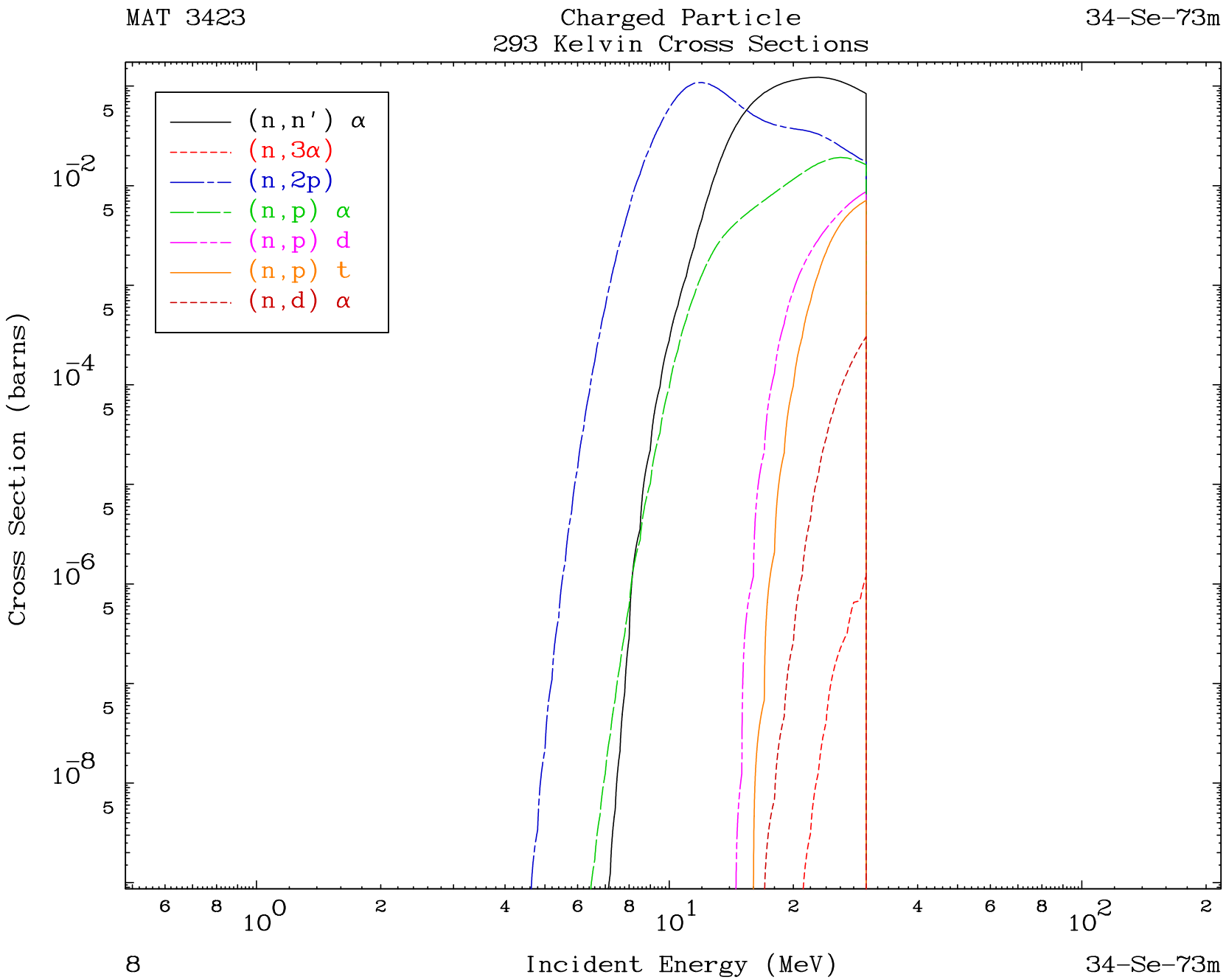

MAT 3423
Neutron Absorption
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
3
34-Se-73m

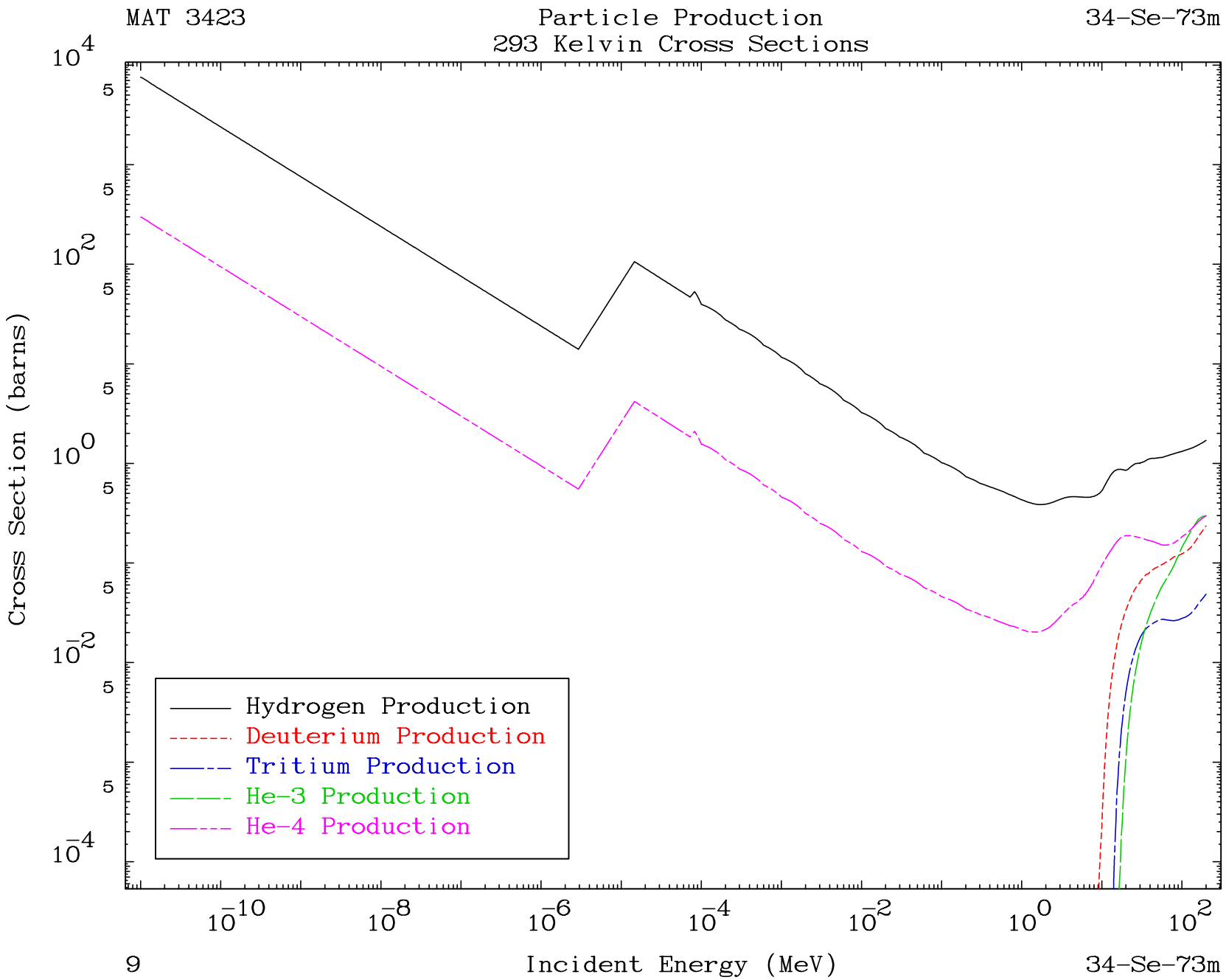

MAT 3423
Neutron Absorption
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
4
34-Se-73m

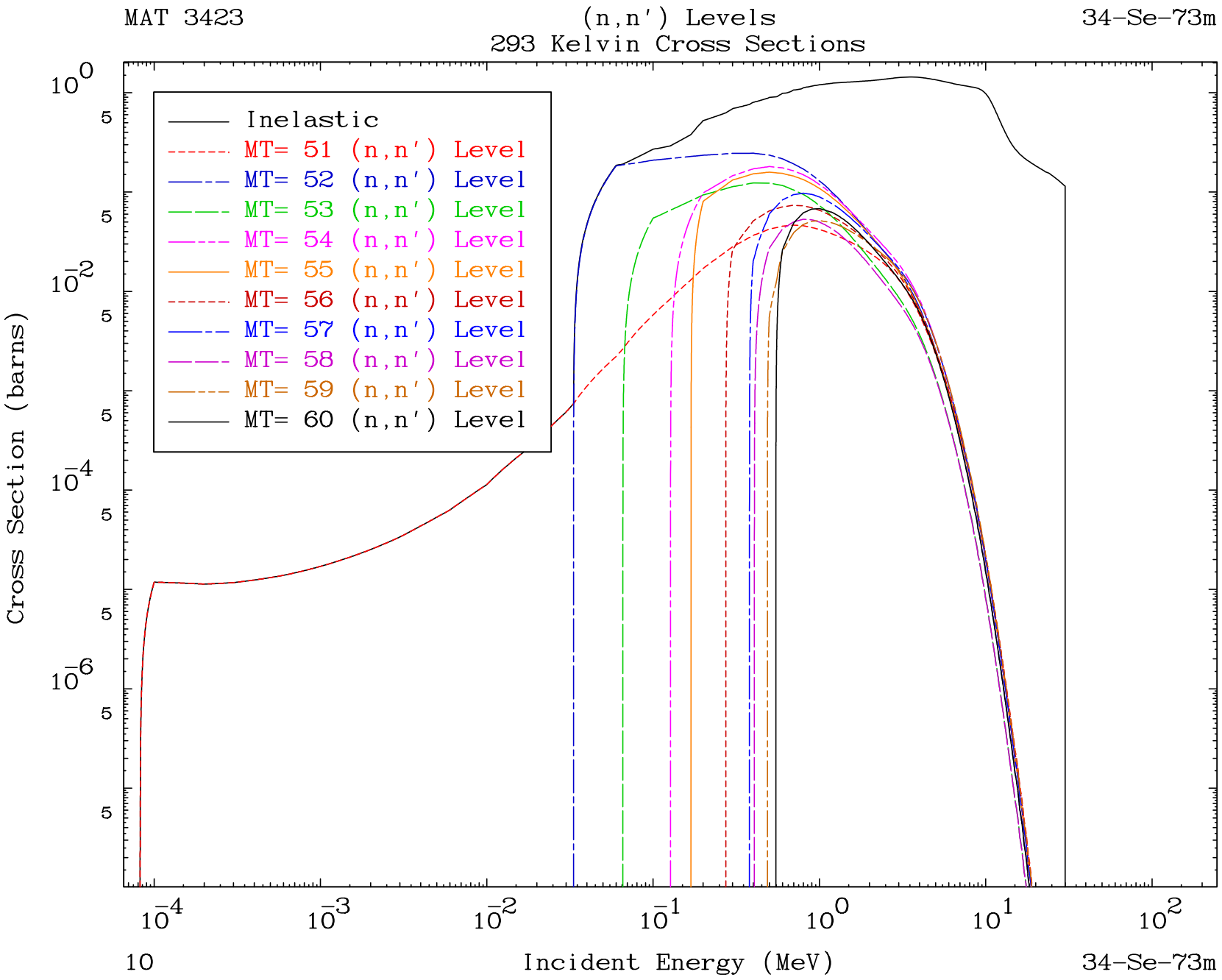

MAT 3423
Neutron Absorption
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
34-Se-73m
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

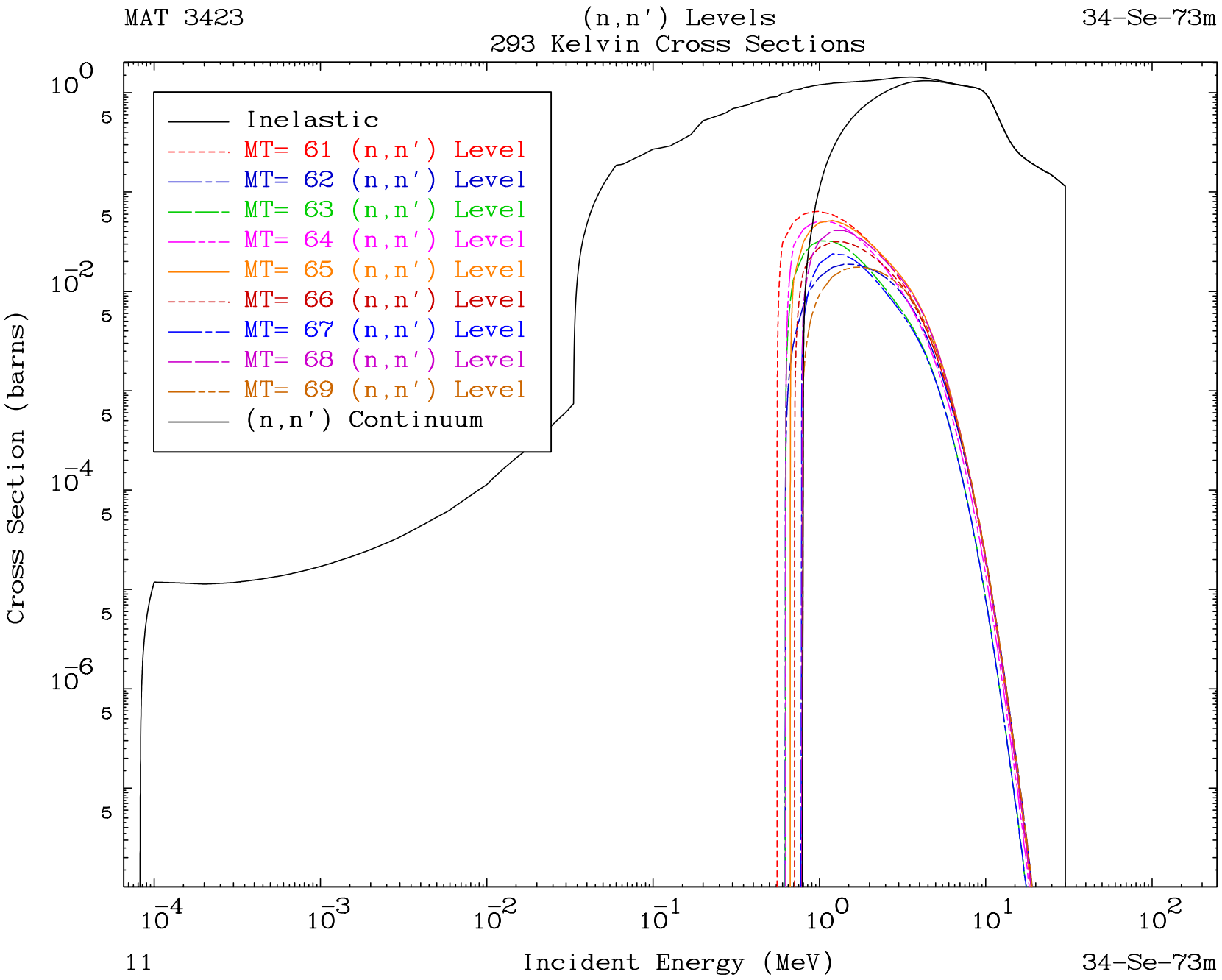

MAT 3423
Charged Particle
293 Kelvin Cross Sections
34-Se-73m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
6
34-Se-73m

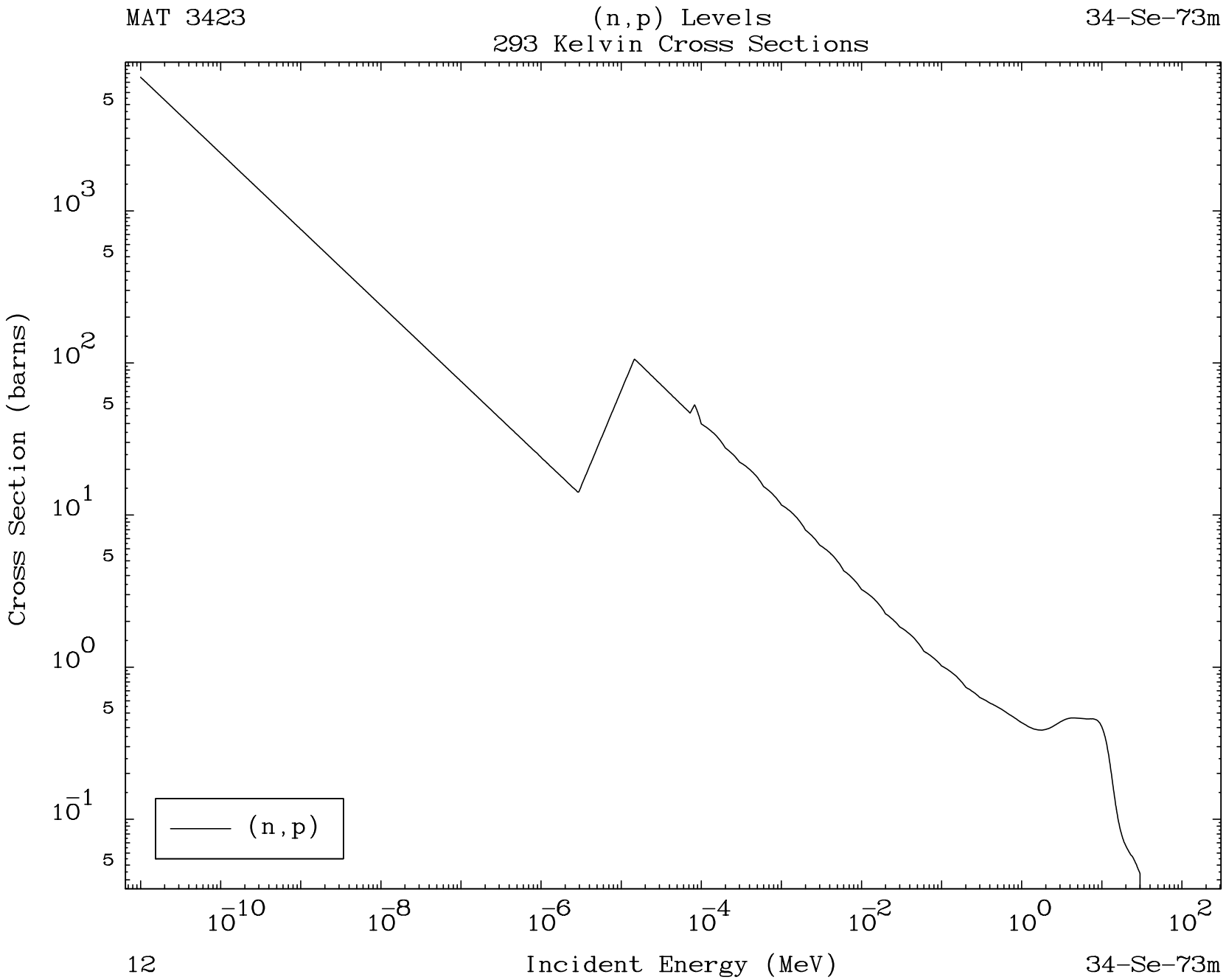

MAT 3423
Charged Particle
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
7
34-Se-73m

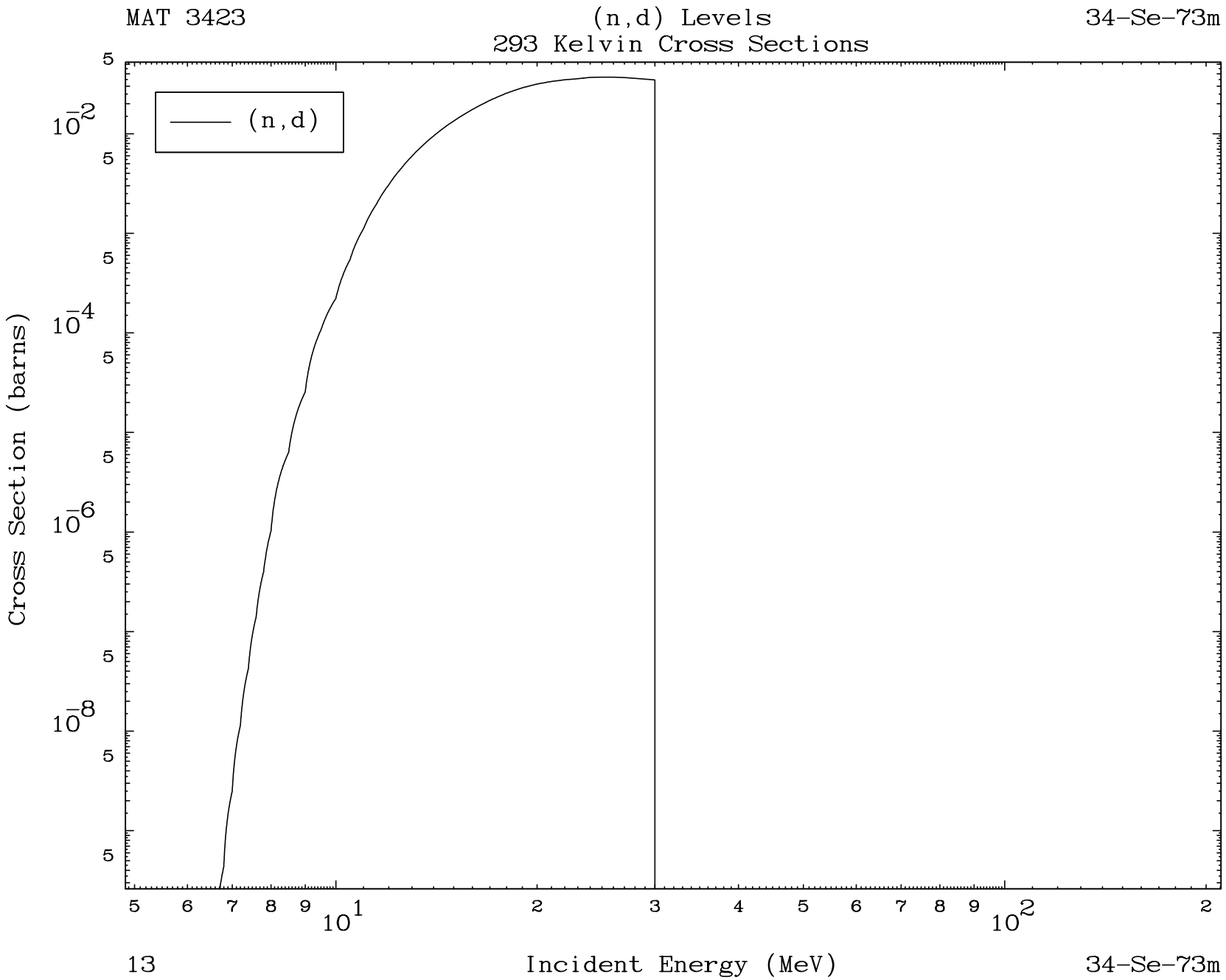

MAT 3423
Charged Particle
293 Kelvin Cross Sections
34-Se-73m
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
34-Se-73m
8

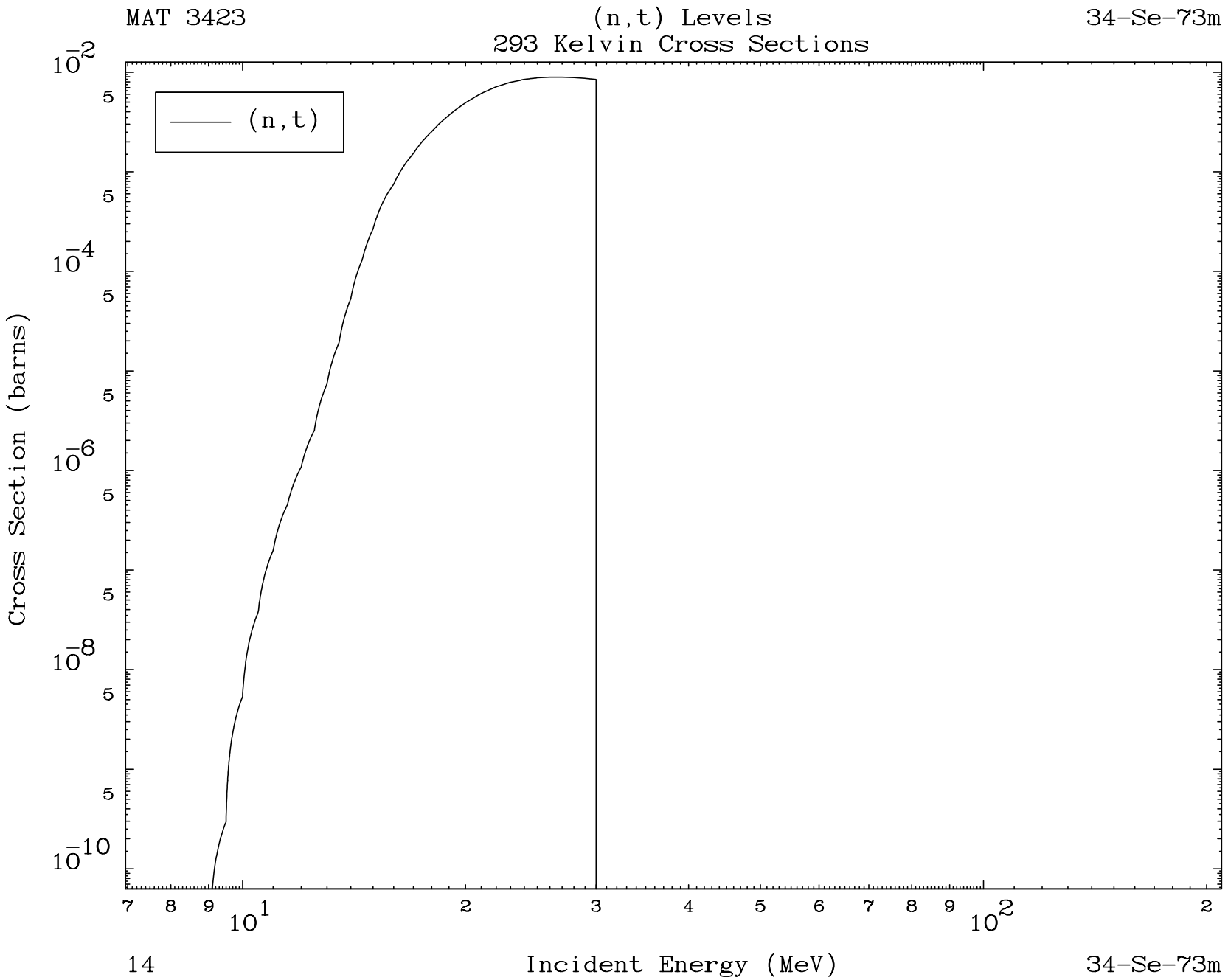

MAT 3423
Particle Production
293 Kelvin Cross Sections
34-Se-73m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
34-Se-73m

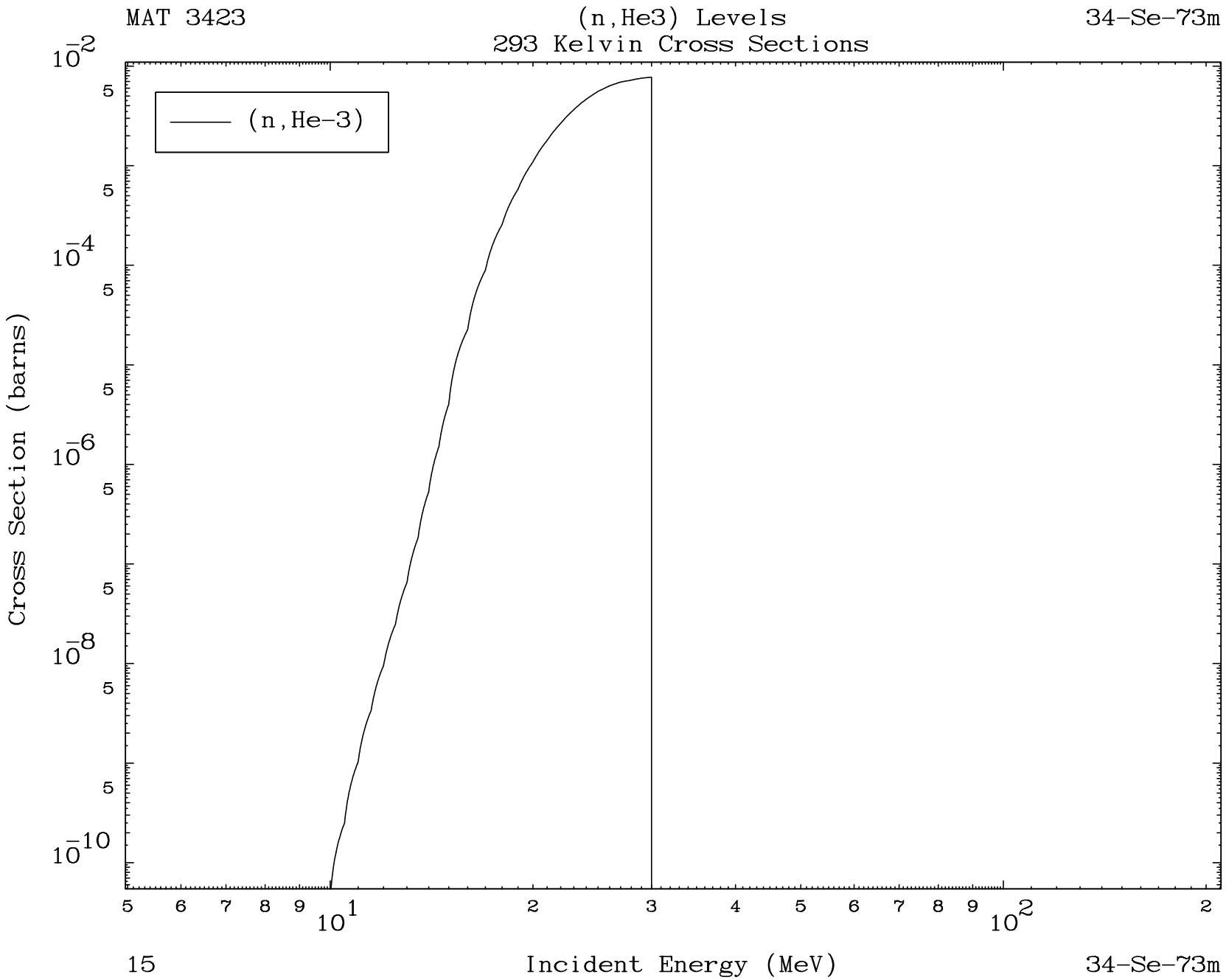

MAT 3423
(n,n') Levels
293 Kelvin Cross Sections
34-Se-73m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
34-Se-73m

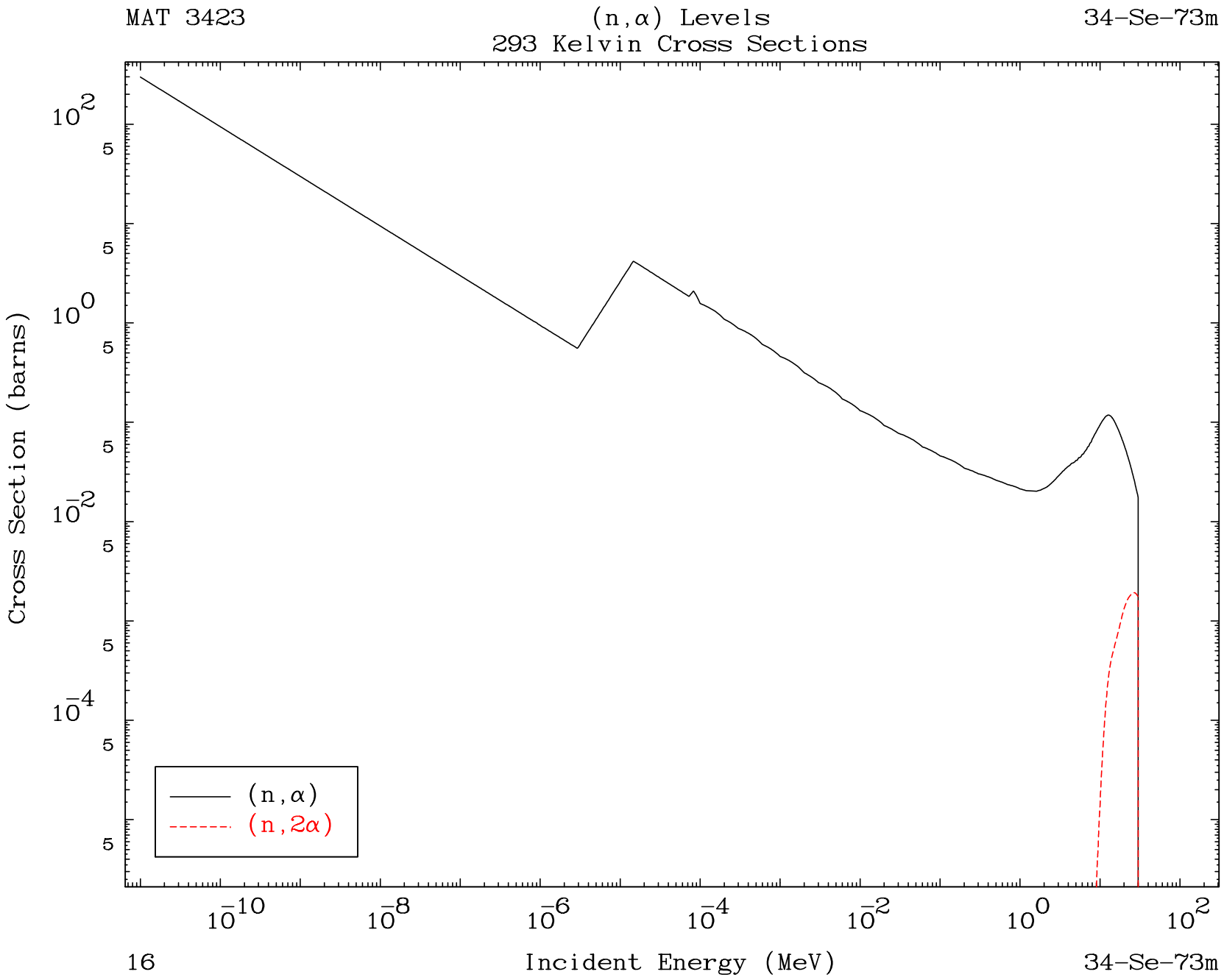

MAT 3423
(n,n') Levels
293 Kelvin Cross Sections
34-Se-73m
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
11
34-Se-73m

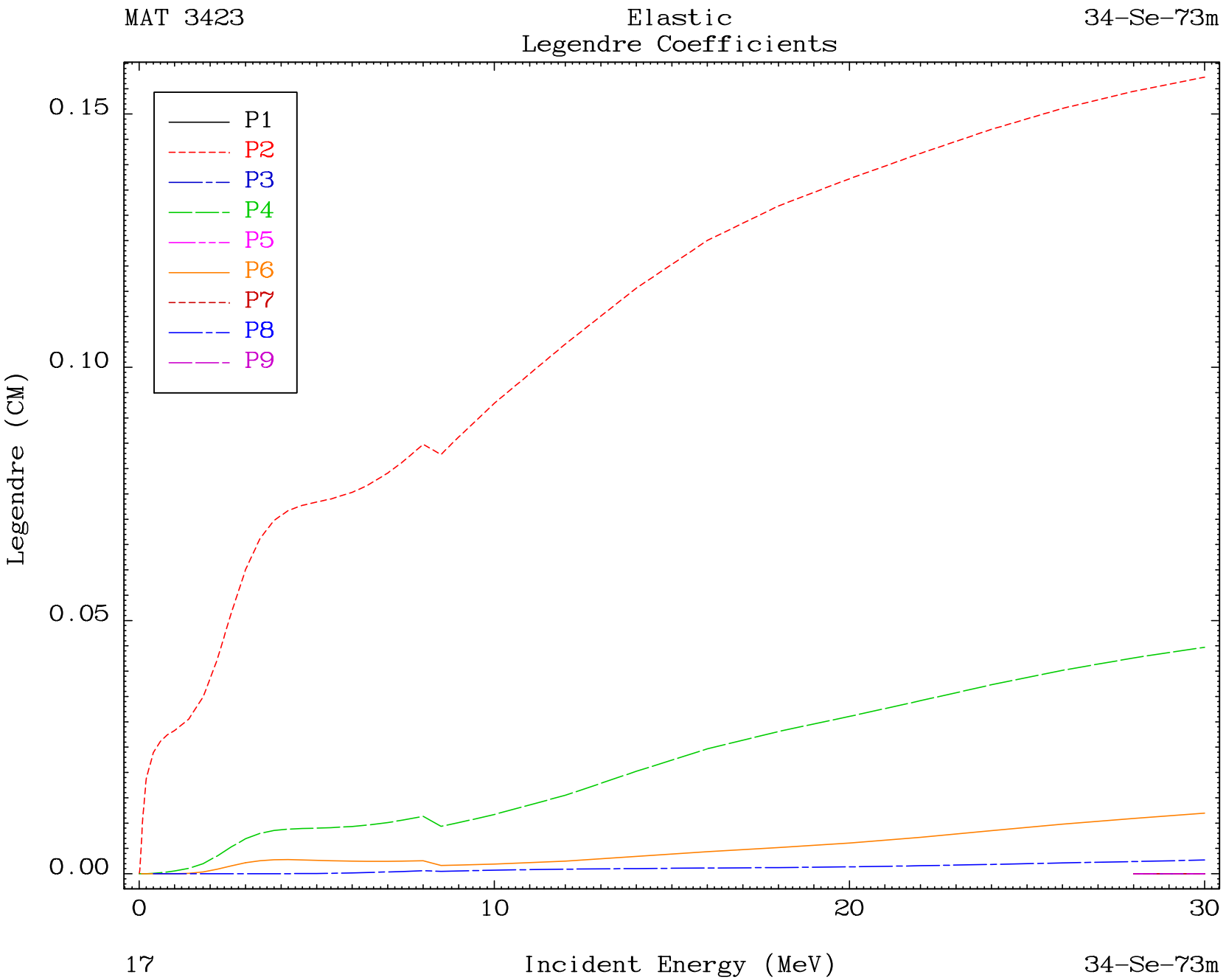

MAT 3423
(n,p) Levels
34-Se-73m
293 Kelvin Cross Sections
Cross Section (barns)
10^3
10^2
10^1
10^0
10^-1
5
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
12
34-Se-73m

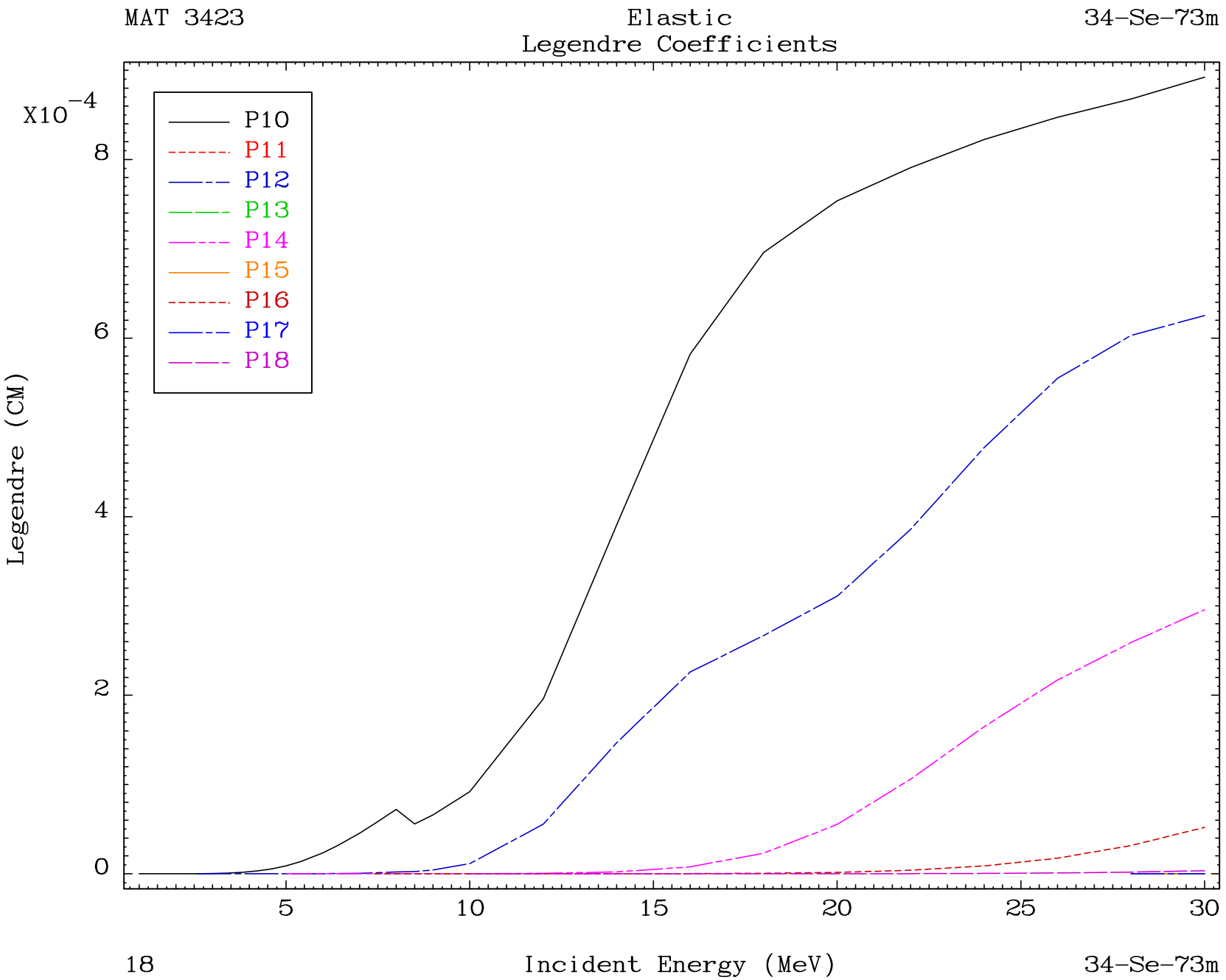

MAT 3423
(n,d) Levels
34-Se-73m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
34-Se-73m

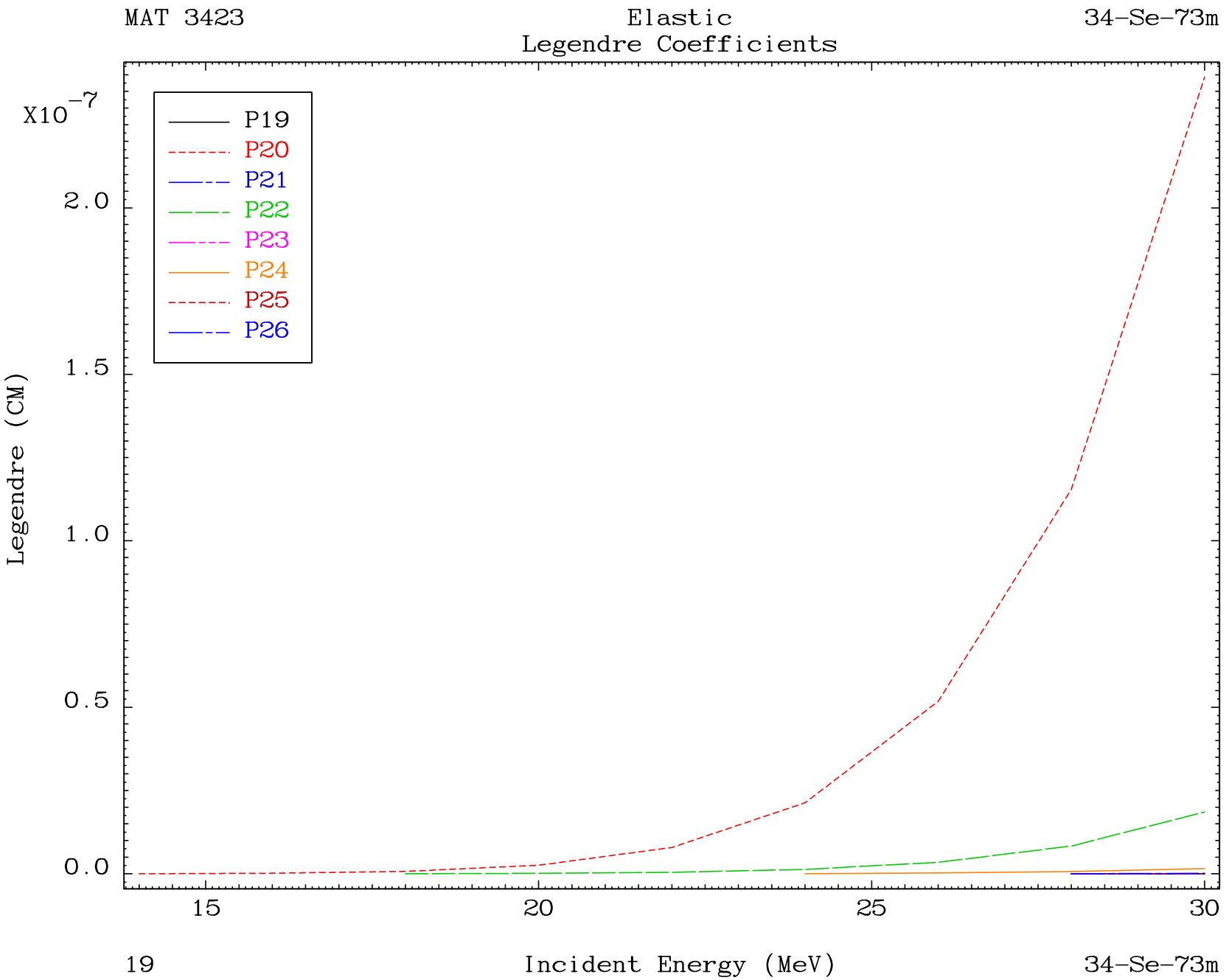

MAT 3423
(n,t) Levels
34-Se-73m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
34-Se-73m

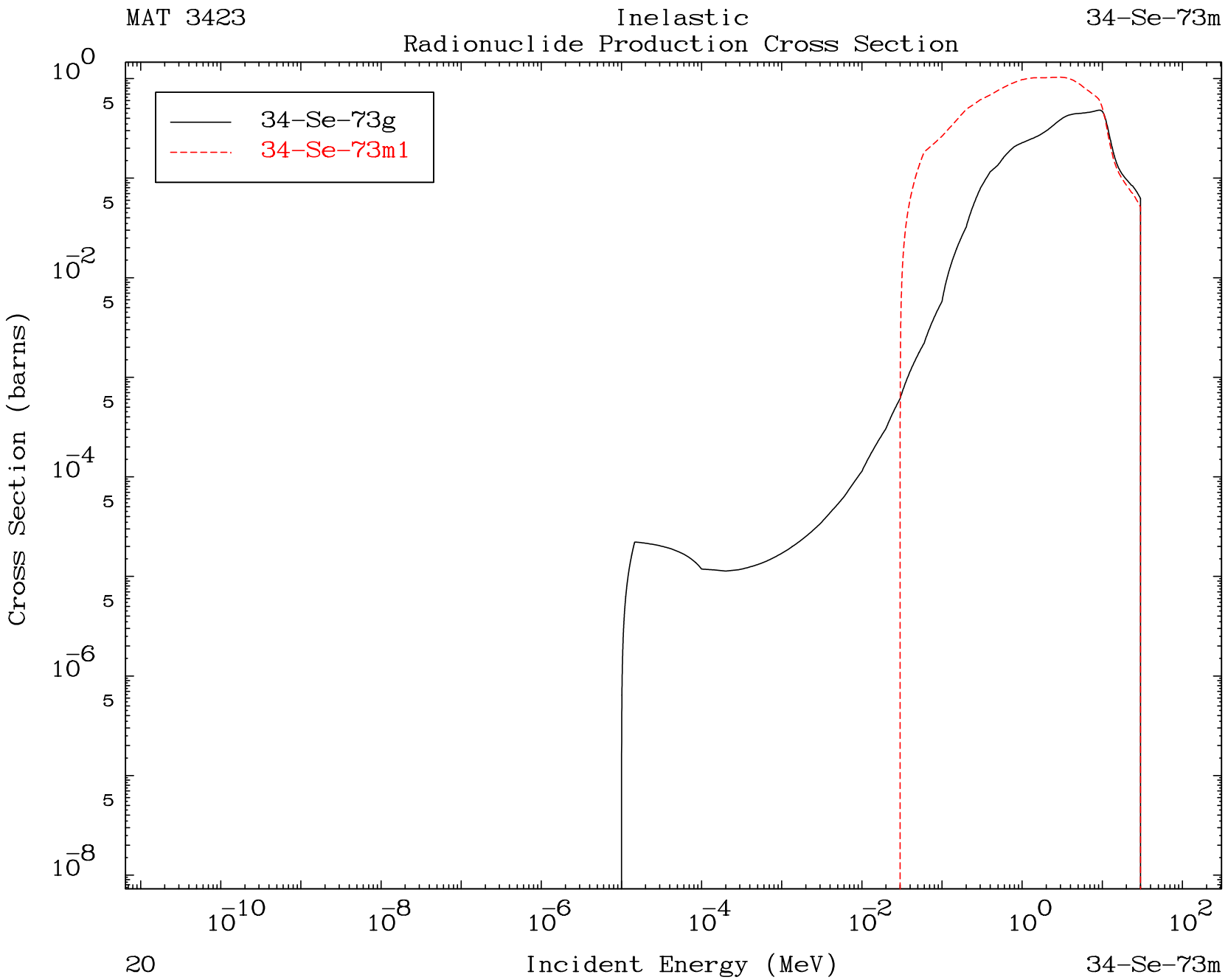

MAT 3423
(n,He3) Levels
34-Se-73m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
15
34-Se-73m


MAT 3423
(n,α) Levels
34-Se-73m
293 Kelvin Cross Sections
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
Incident Energy (MeV)
16
34-Se-73m


MAT 3423
Elastic
Legendre Coefficients
34-Se-73m
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.15
0.10
0.05
0.00
Legendre (CM)
0
10
20
30
17
Incident Energy (MeV)
34-Se-73m


MAT 3423
Elastic
Legendre Coefficients
34-Se-73m
X10^{-4}
8
6
4
2
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
5
10
15
20
25
30
18
Incident Energy (MeV)
34-Se-73m


MAT 3423
Elastic
Legendre Coefficients
34-Se-73m
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
15
20
25
30
19
Incident Energy (MeV)
34-Se-73m


MAT 3423
Inelastic
34-Se-73m
Radionuclide Production Cross Section
34-Se-73g
34-Se-73m1
Cross Section (barns)
Incident Energy (MeV)
20
34-Se-73m