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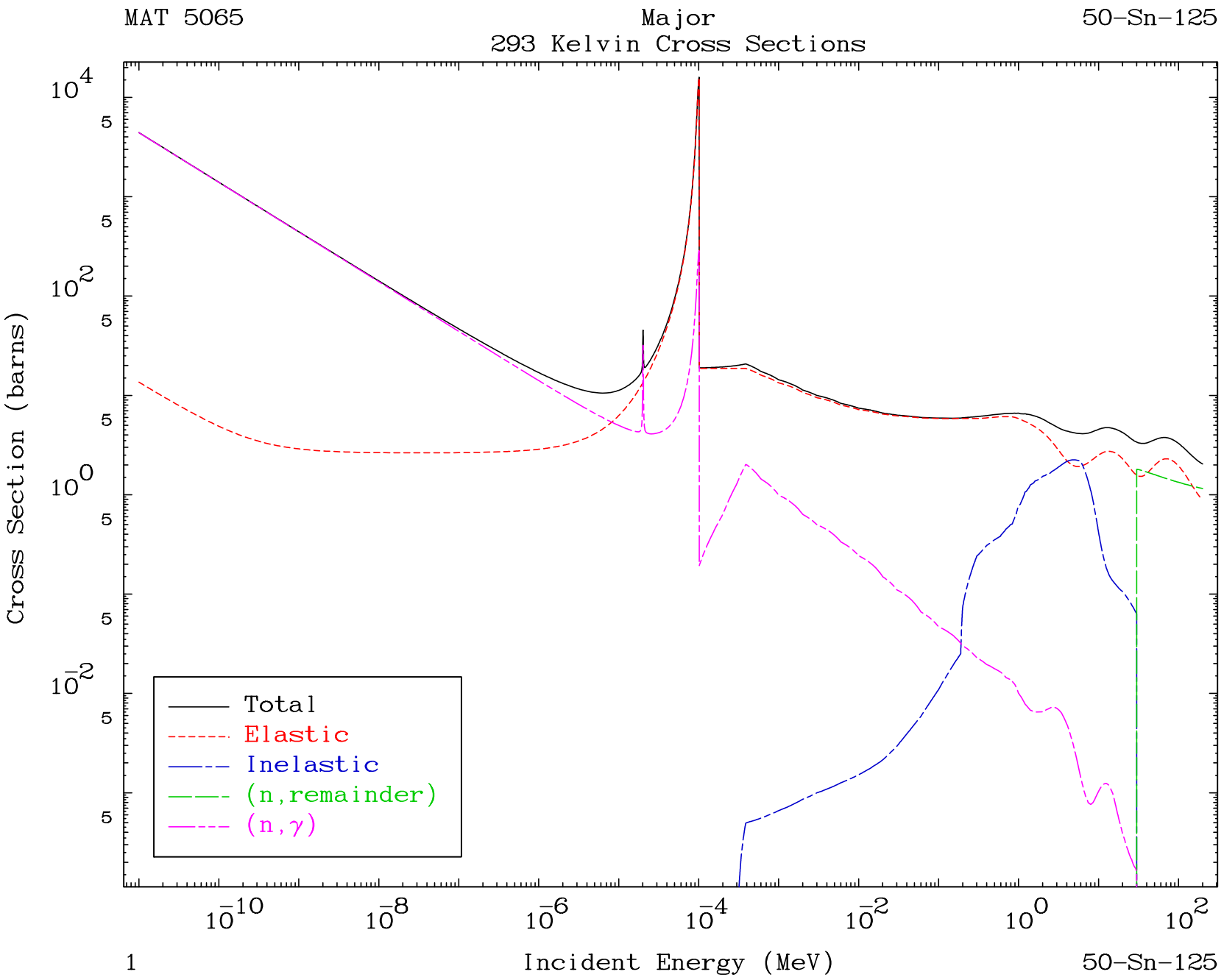
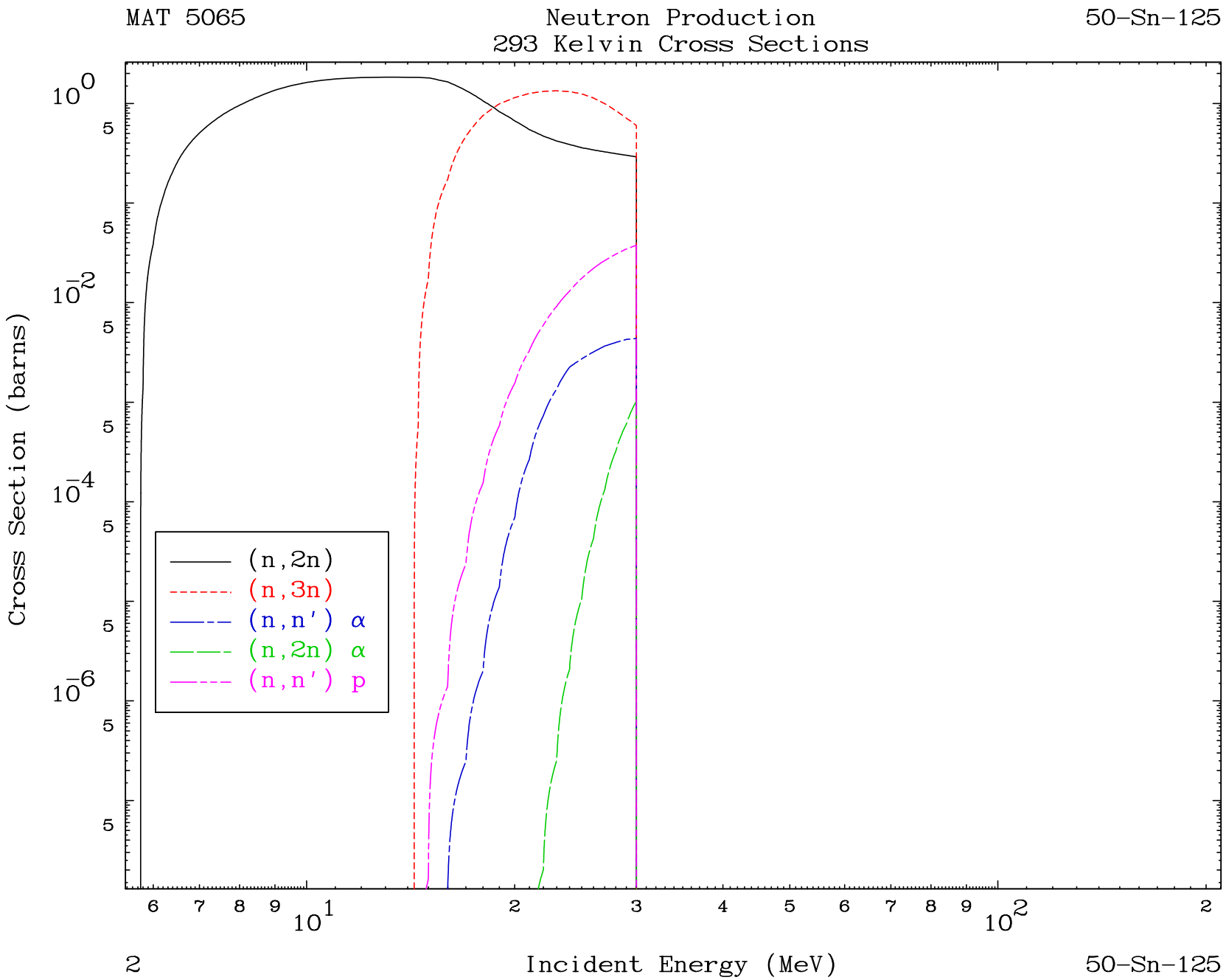
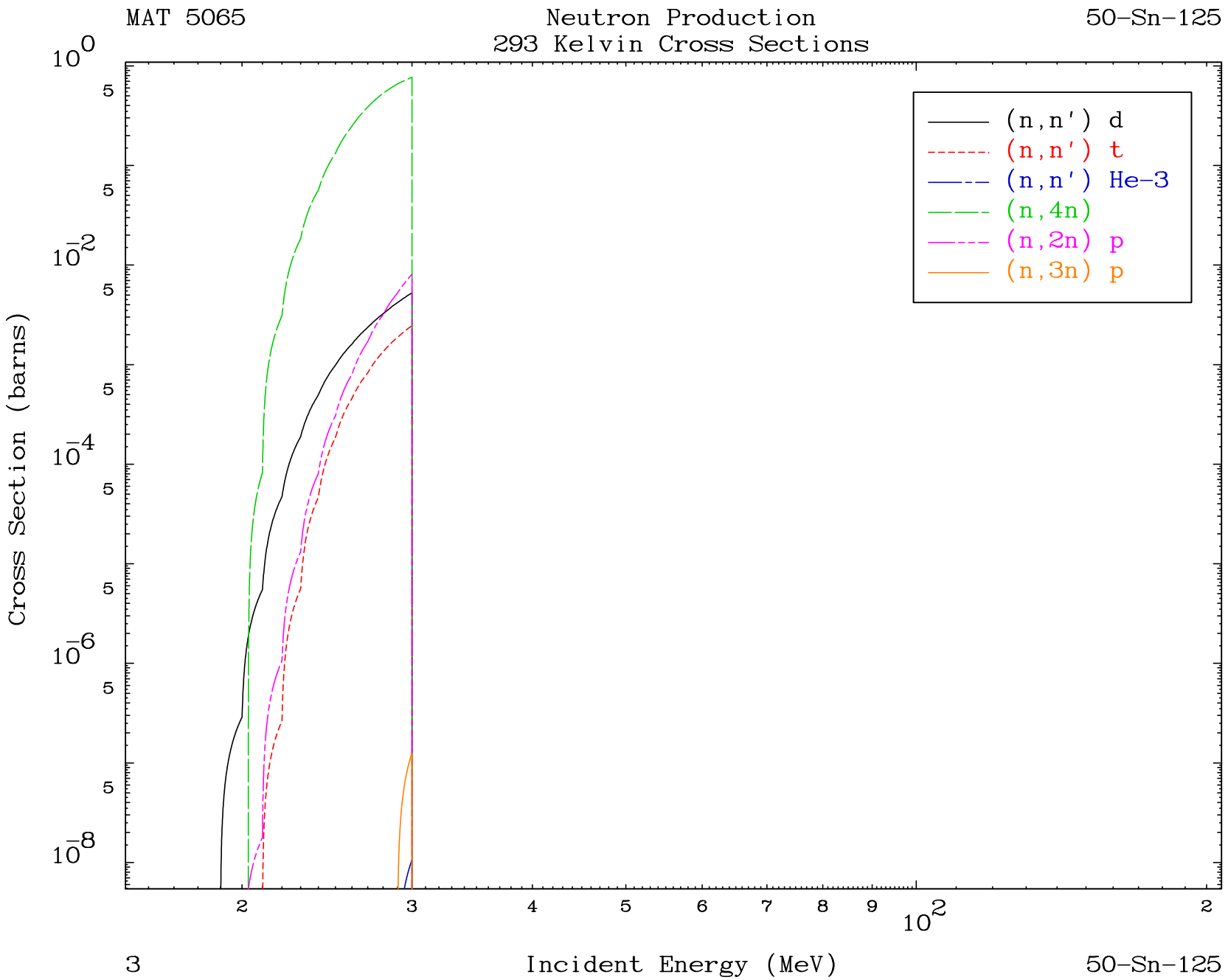
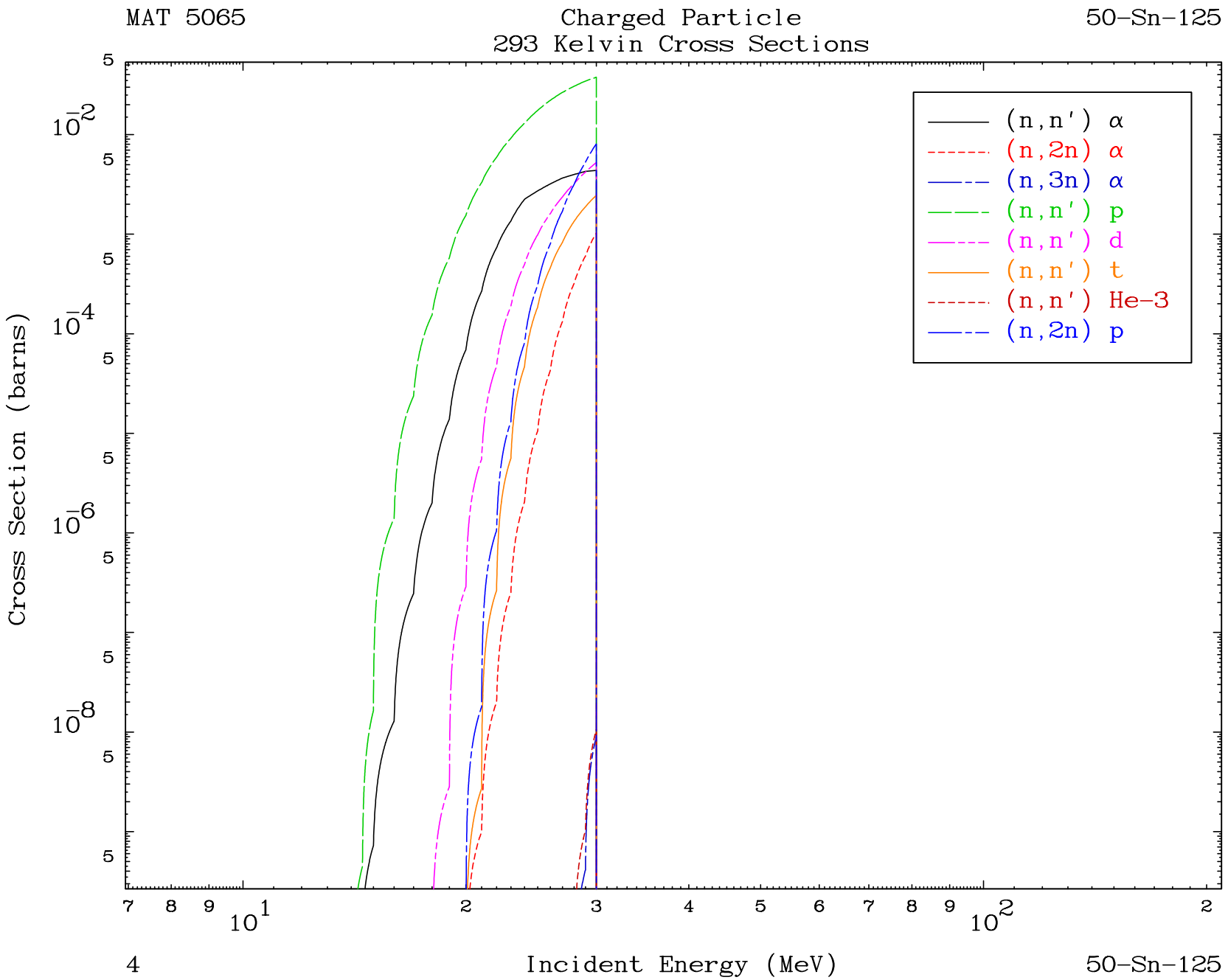
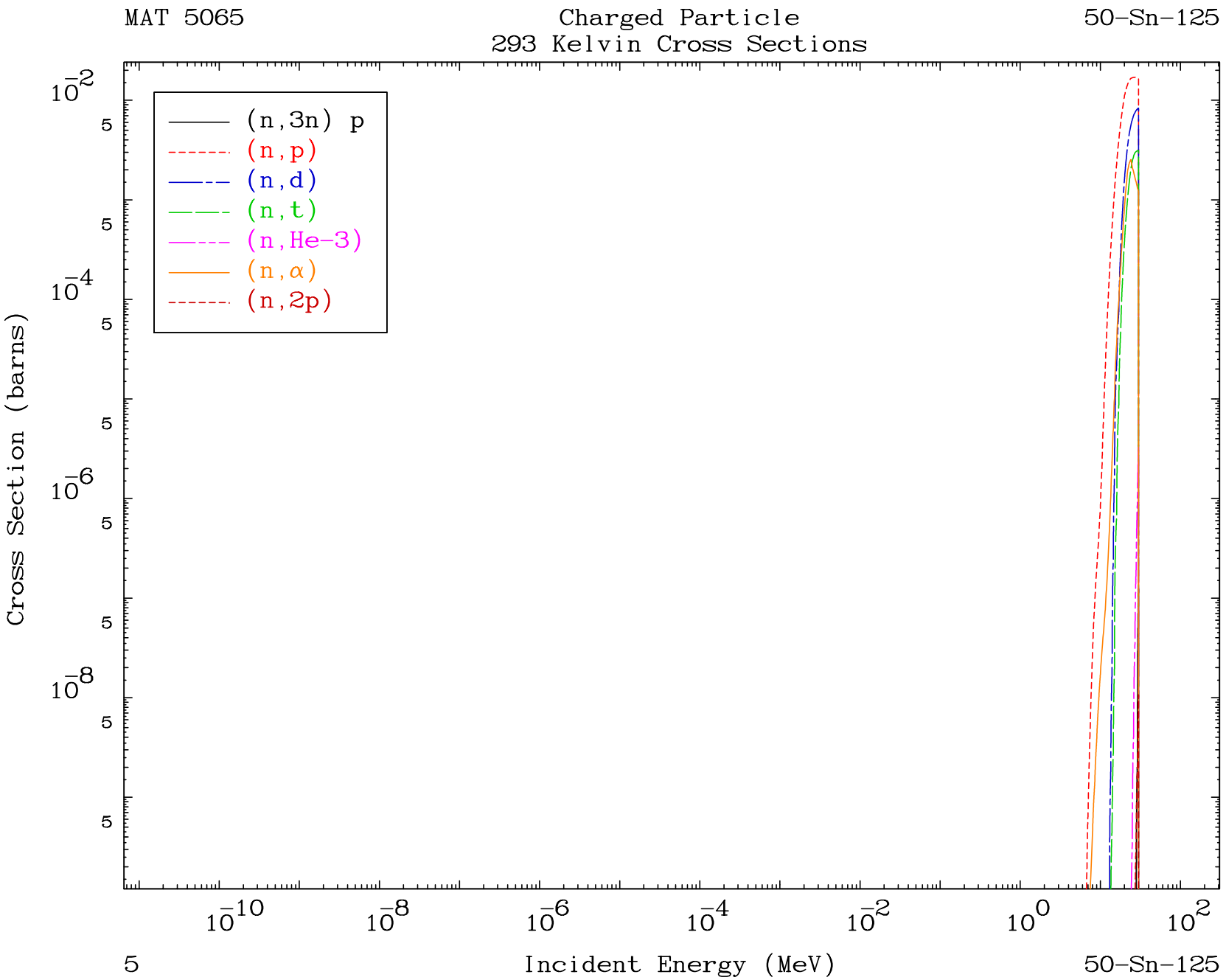
Press Mouse Button to Start

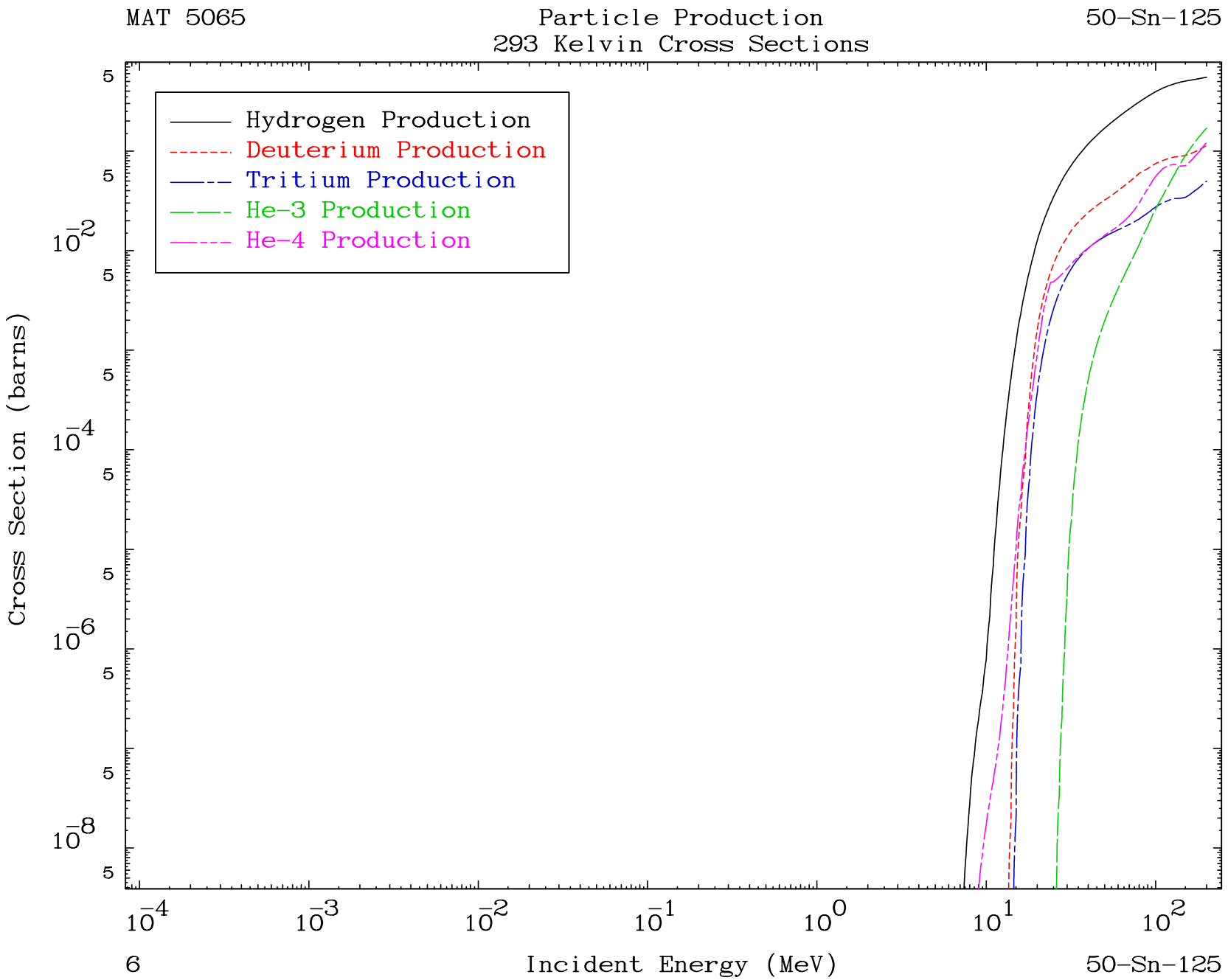

MAT 5065
Major
50-Sn-125
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
50-Sn-125

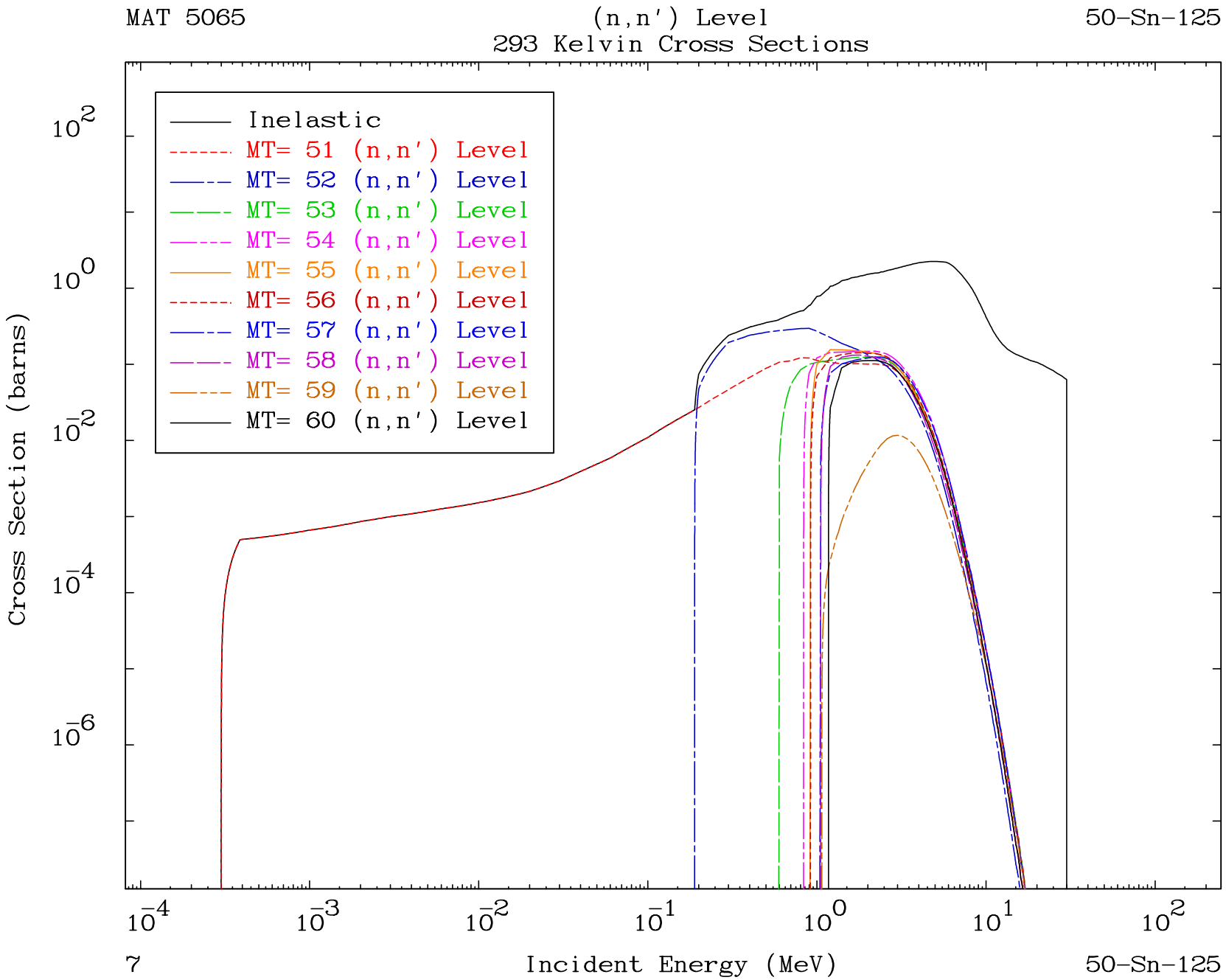

MAT 5065
Neutron Production
293 Kelvin Cross Sections
50-Sn-125
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
2
Incident Energy (MeV)
50-Sn-125

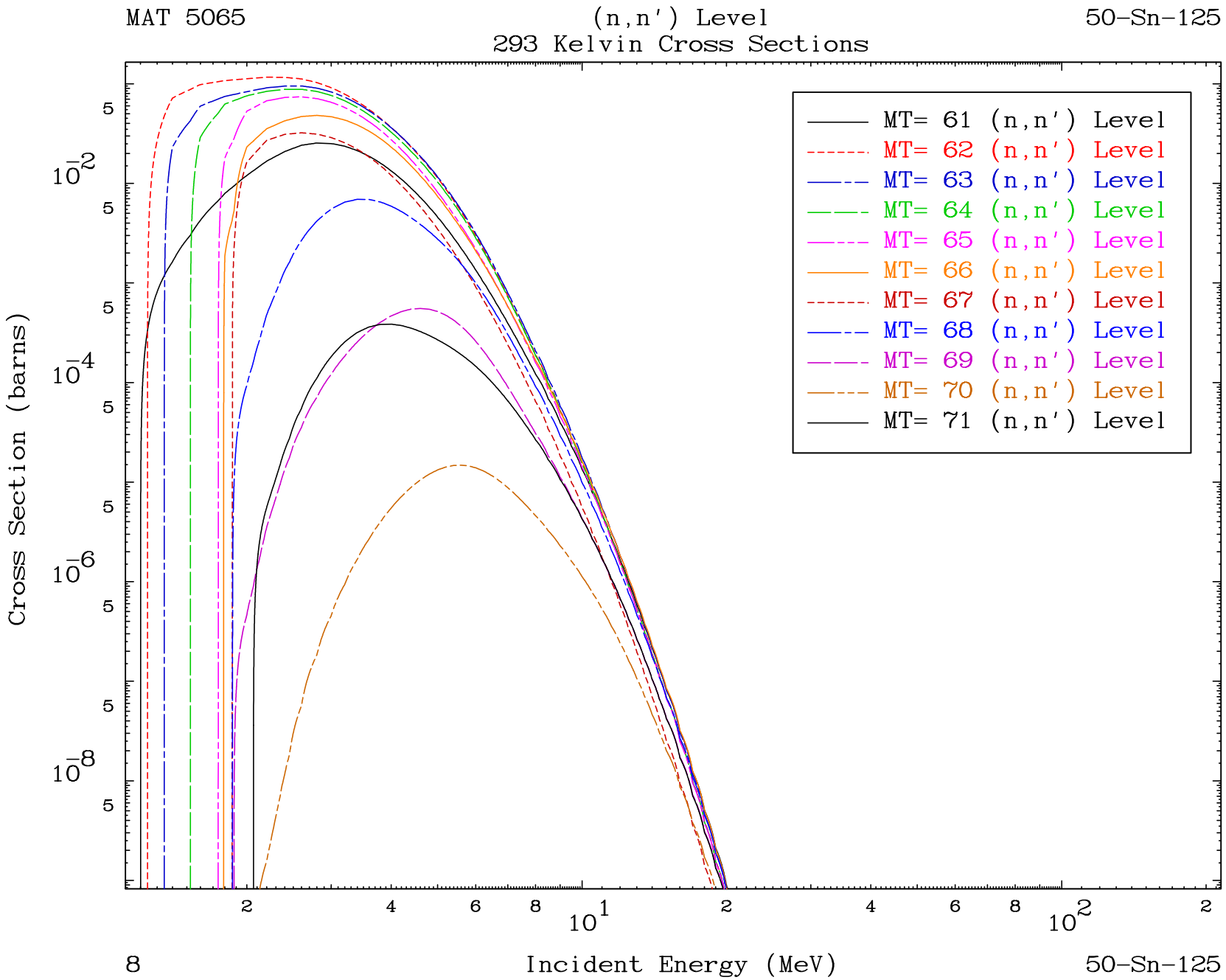

MAT 5065
Neutron Production
293 Kelvin Cross Sections
50-Sn-125
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-125

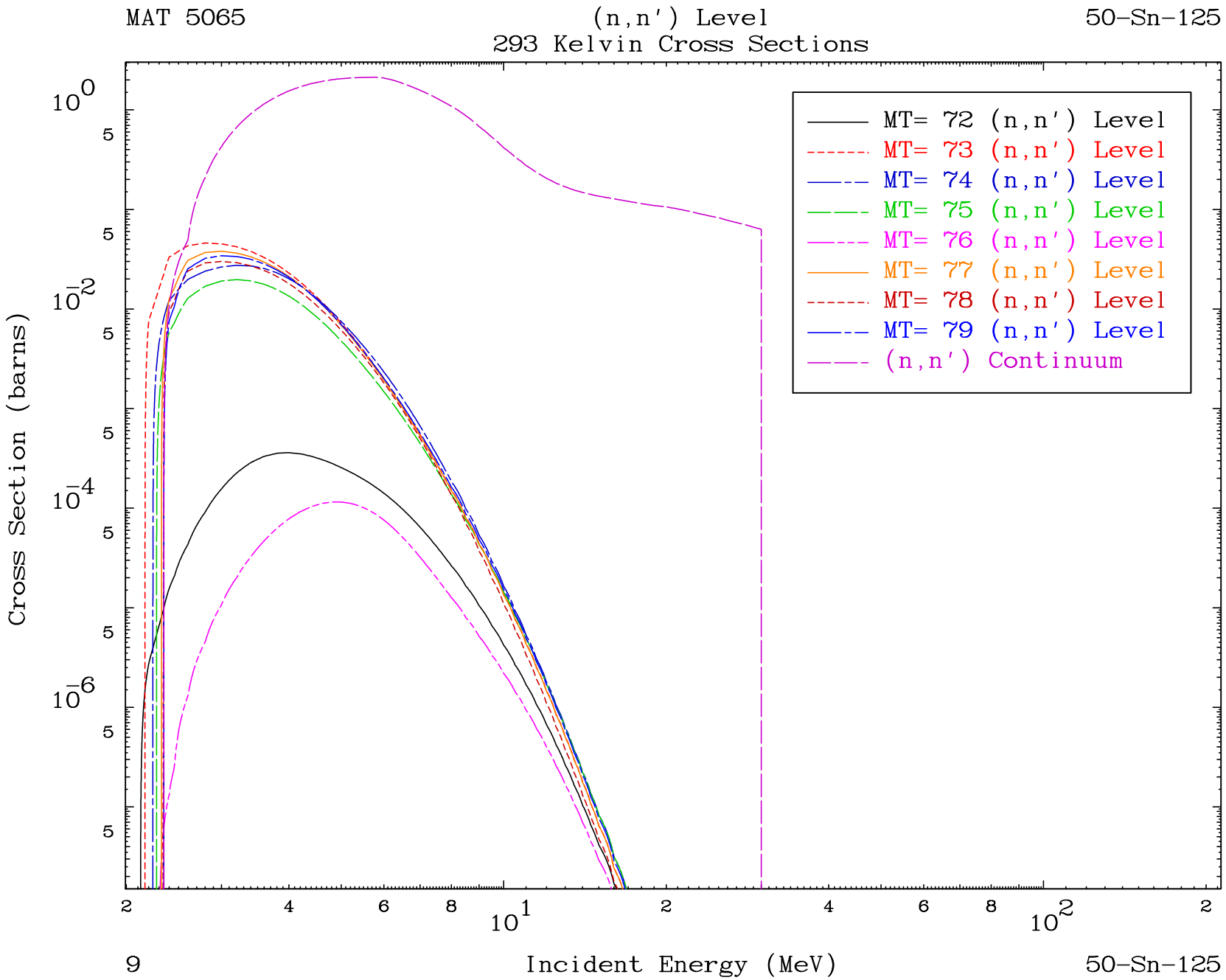

MAT 5065
Charged Particle
50-Sn-125
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
4
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p

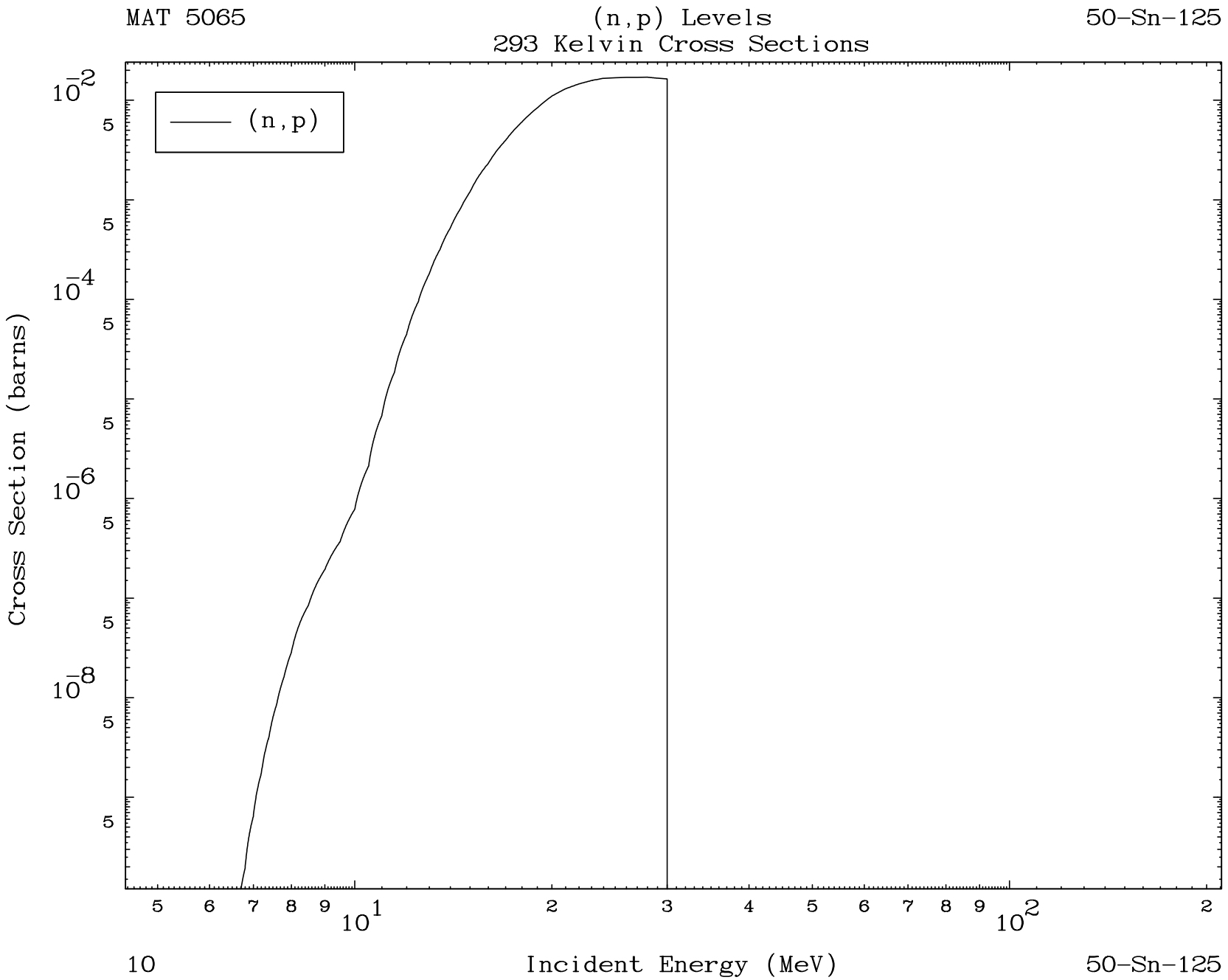

MAT 5065
Charged Particle
50-Sn-125
293 Kelvin Cross Sections
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
5

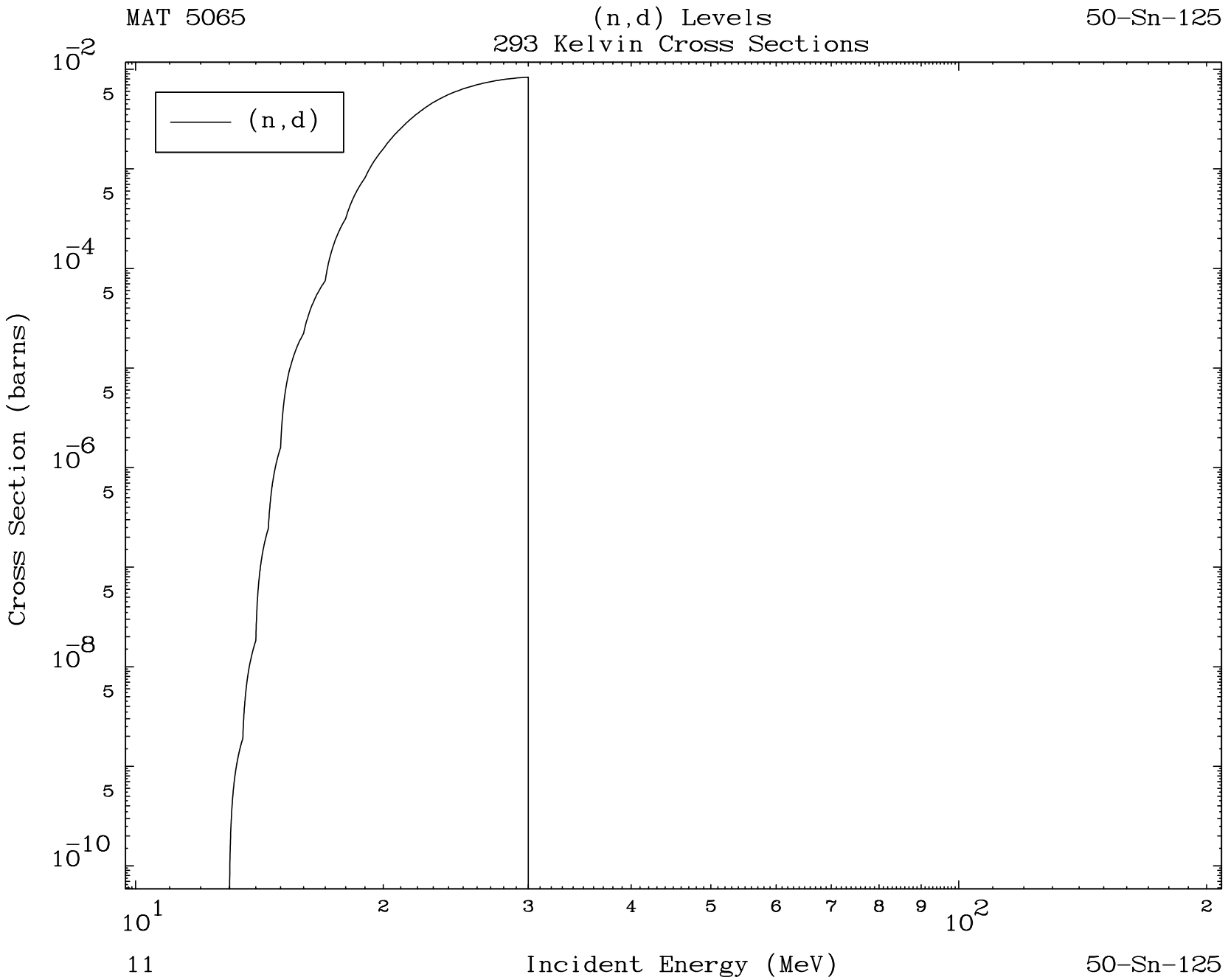

MAT 5065
Particle Production
293 Kelvin Cross Sections
50-Sn-125
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
50-Sn-125
6

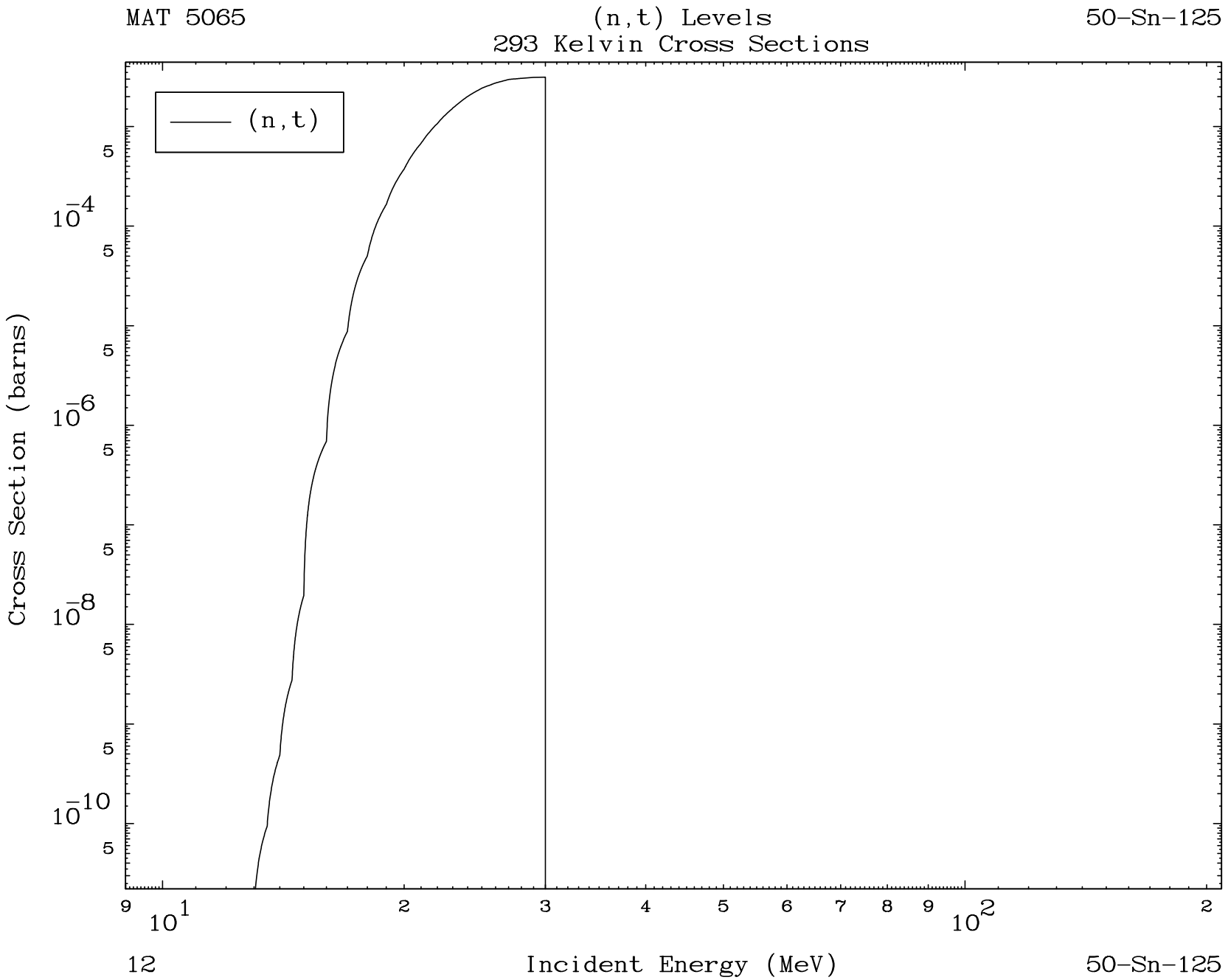

MAT 5065
(n,n') Level
50-Sn-125
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-125


MAT 5065
(n,n') Level
293 Kelvin Cross Sections
50-Sn-125
Cross Section (barns)
Incident Energy (MeV)
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
MT= 70 (n,n') Level
MT= 71 (n,n') Level


MAT 5065
(n,n') Level
293 Kelvin Cross Sections
50-Sn-125
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
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
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-125

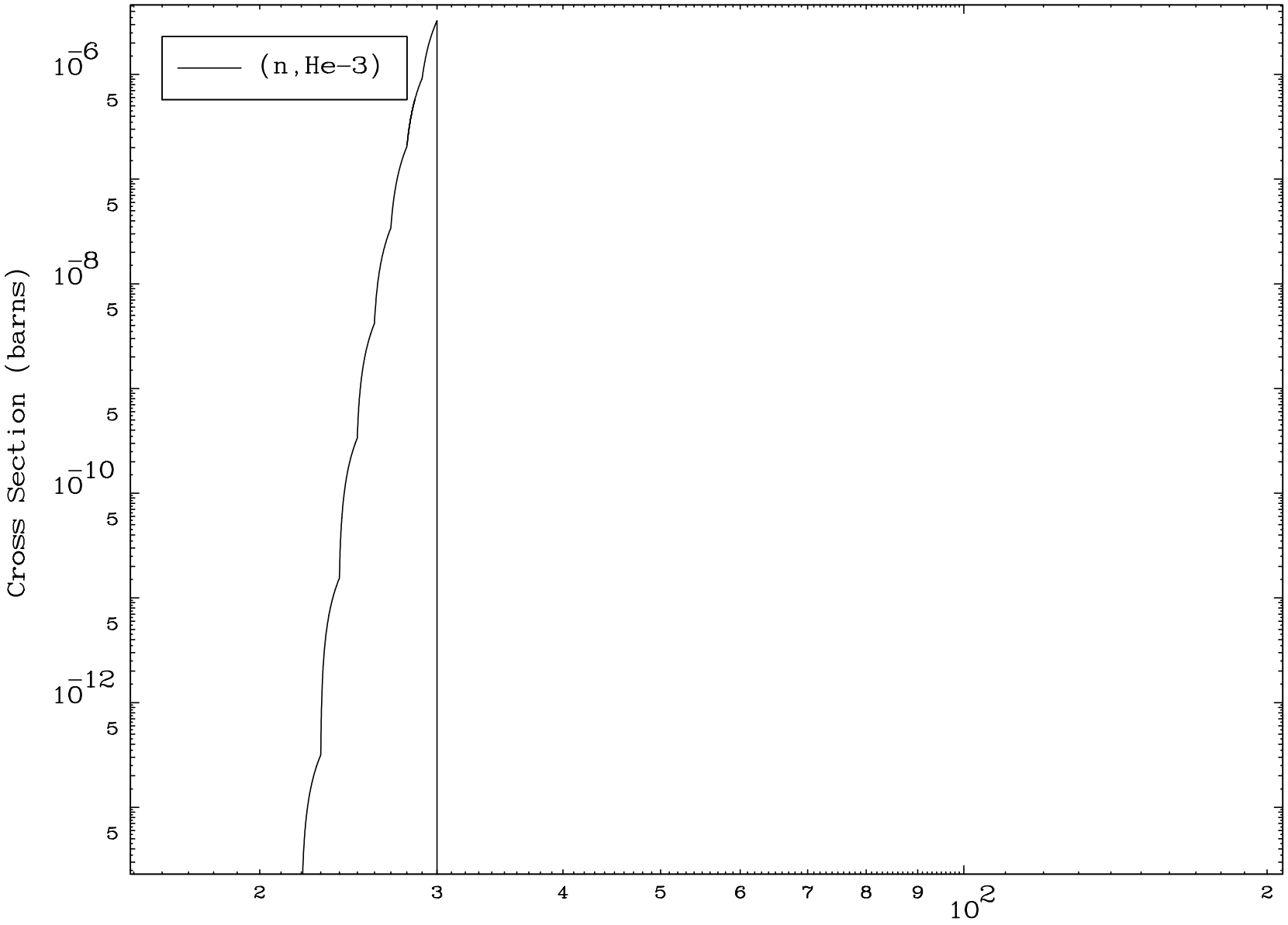

MAT 5065
(n,p) Levels
50-Sn-125
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10
50-Sn-125

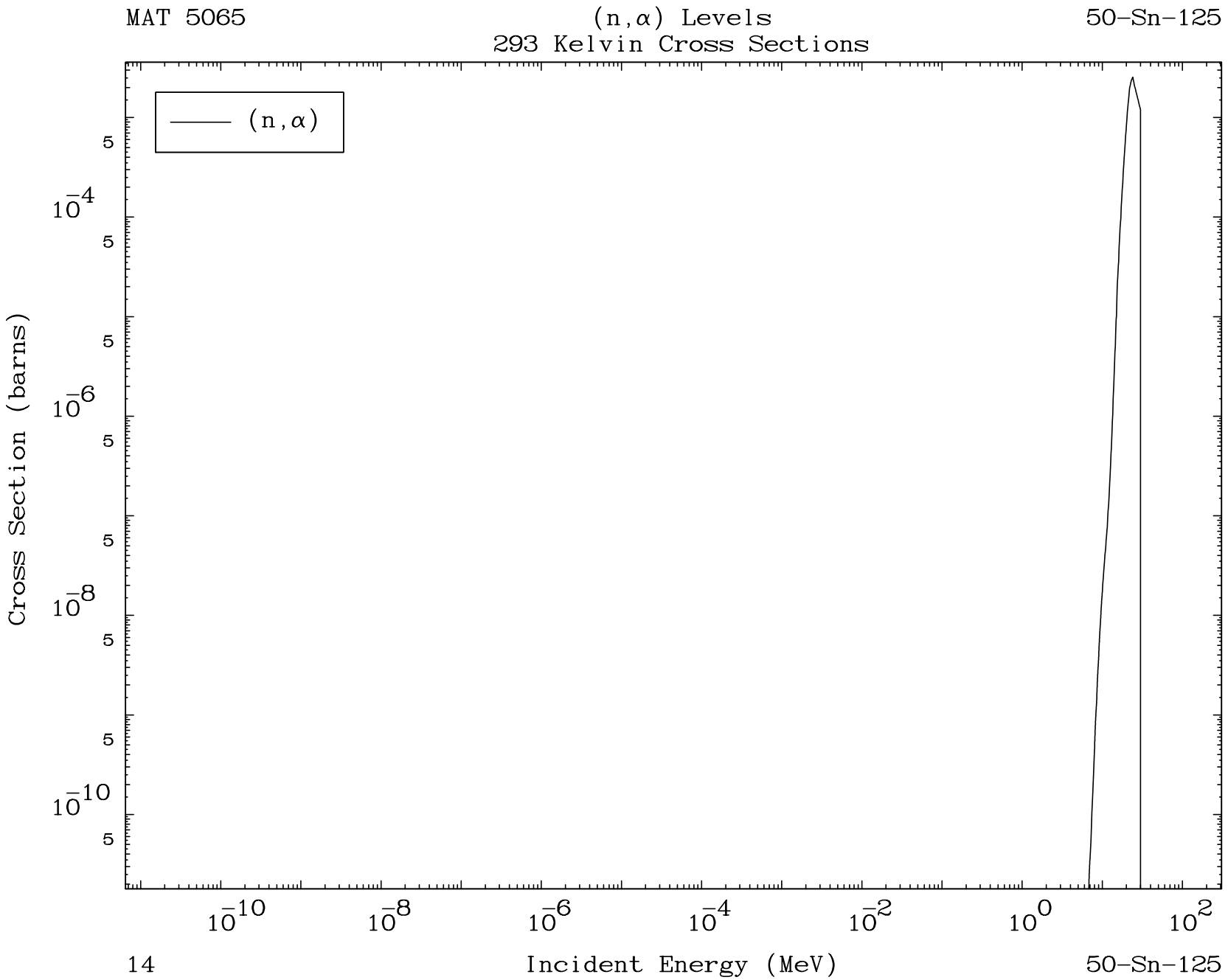

MAT 5065
(n,d) Levels
50-Sn-125
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-125


MAT 5065
(n,t) Levels
50-Sn-125
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
12
50-Sn-125

MAT 5065 (n,He3) Levels 50-Sn-125

293 Kelvin Cross Sections




MAT 5065
(n,α) Levels
50-Sn-125
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
14
Incident Energy (MeV)
50-Sn-125