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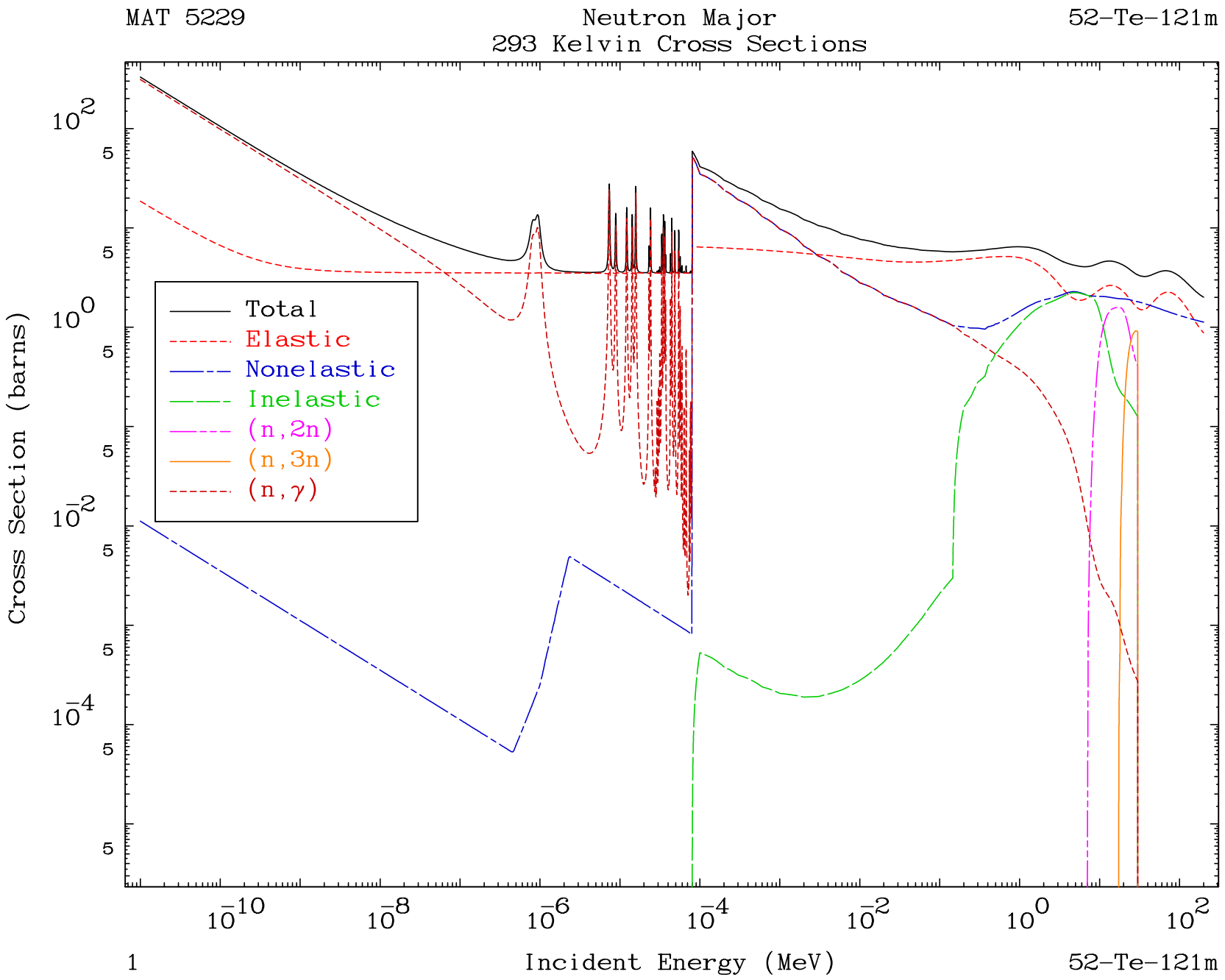
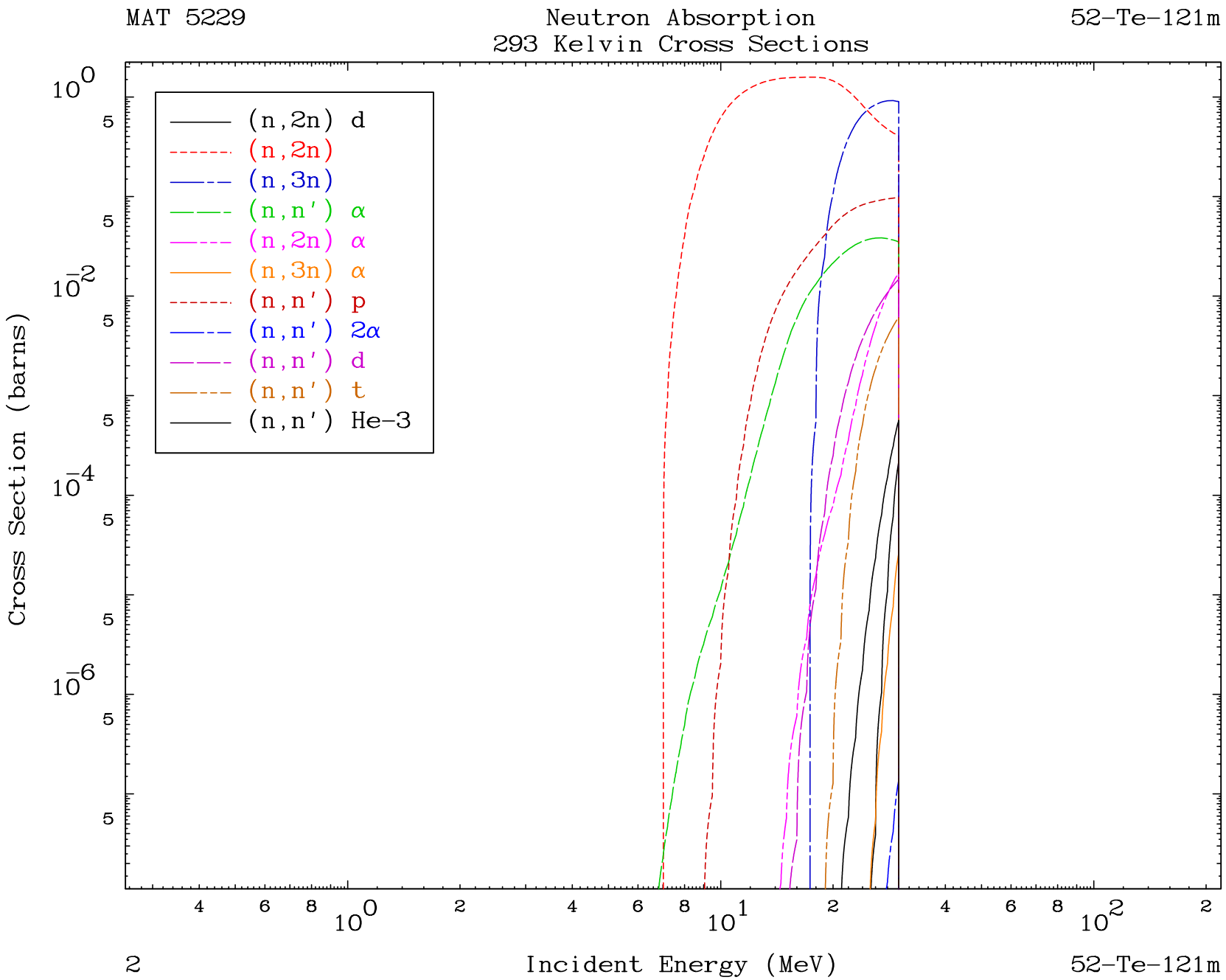
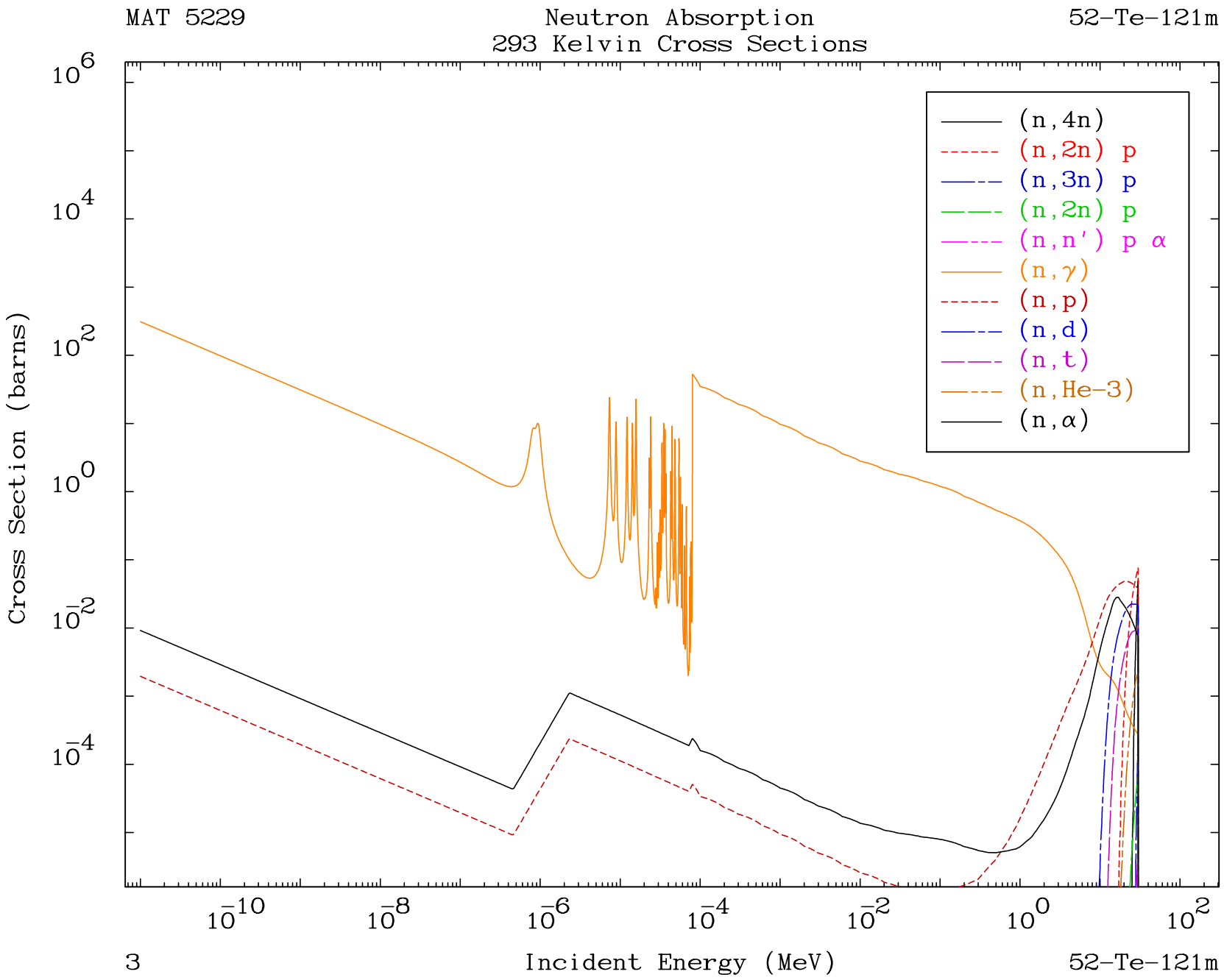
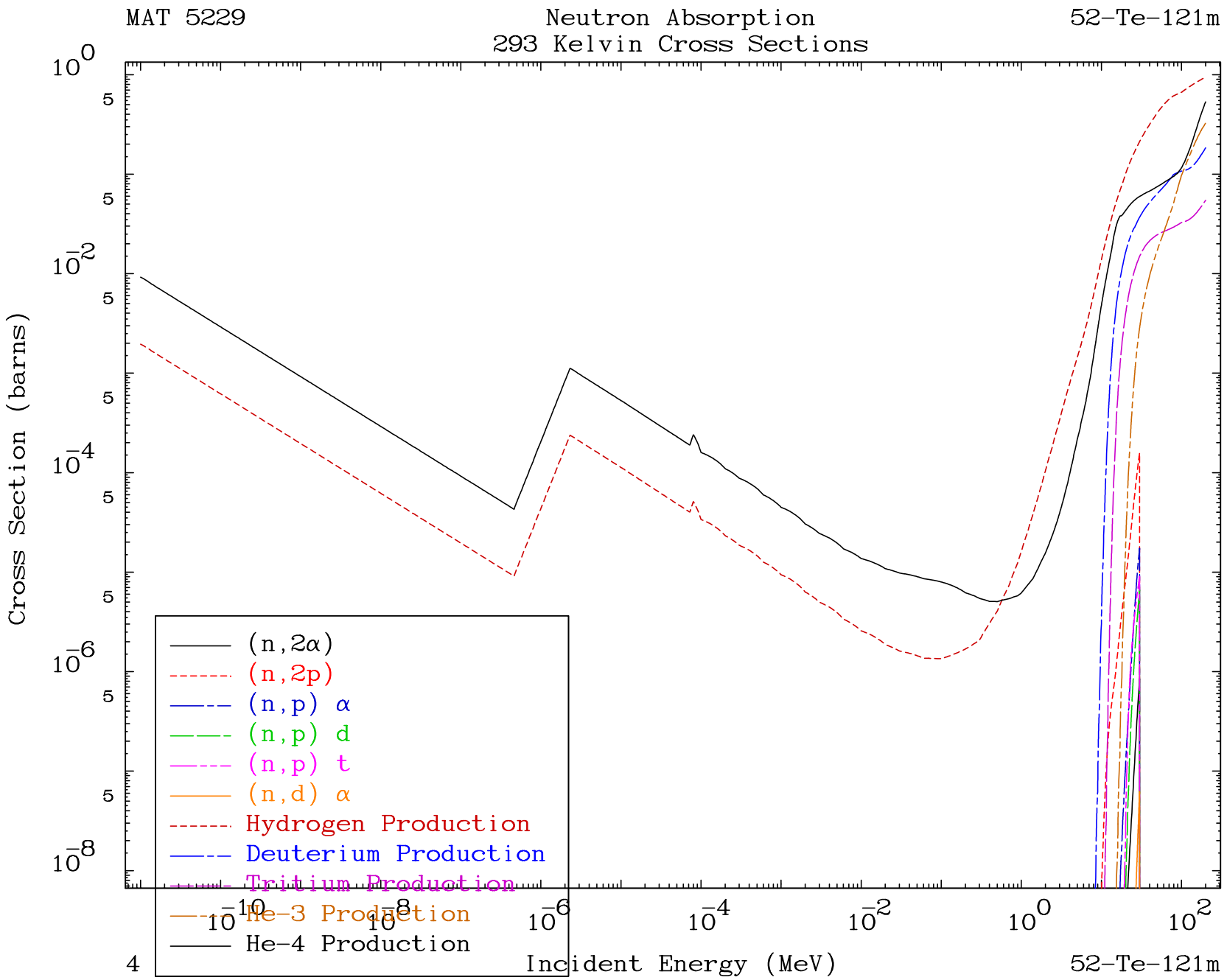
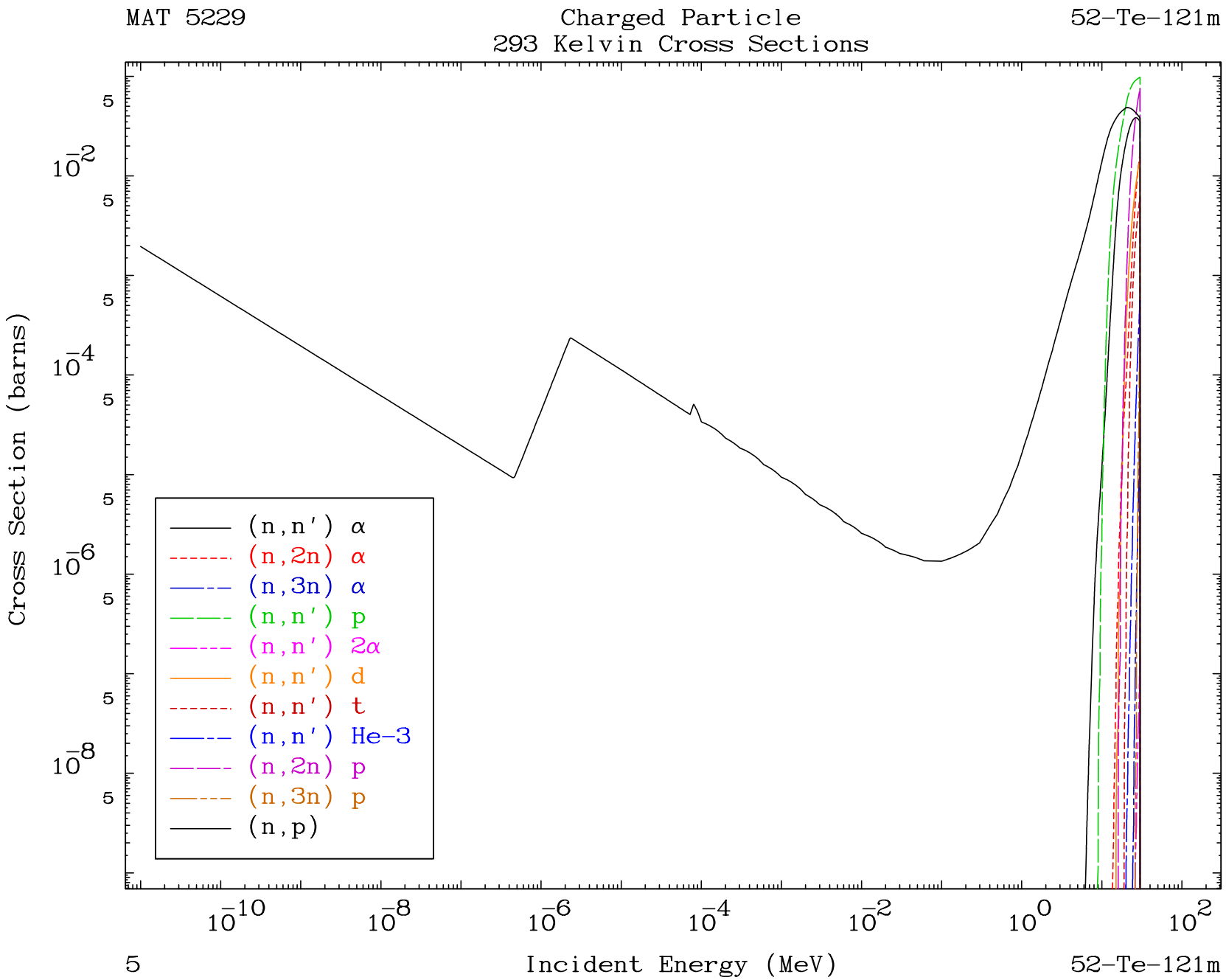
Press Mouse Button to Start

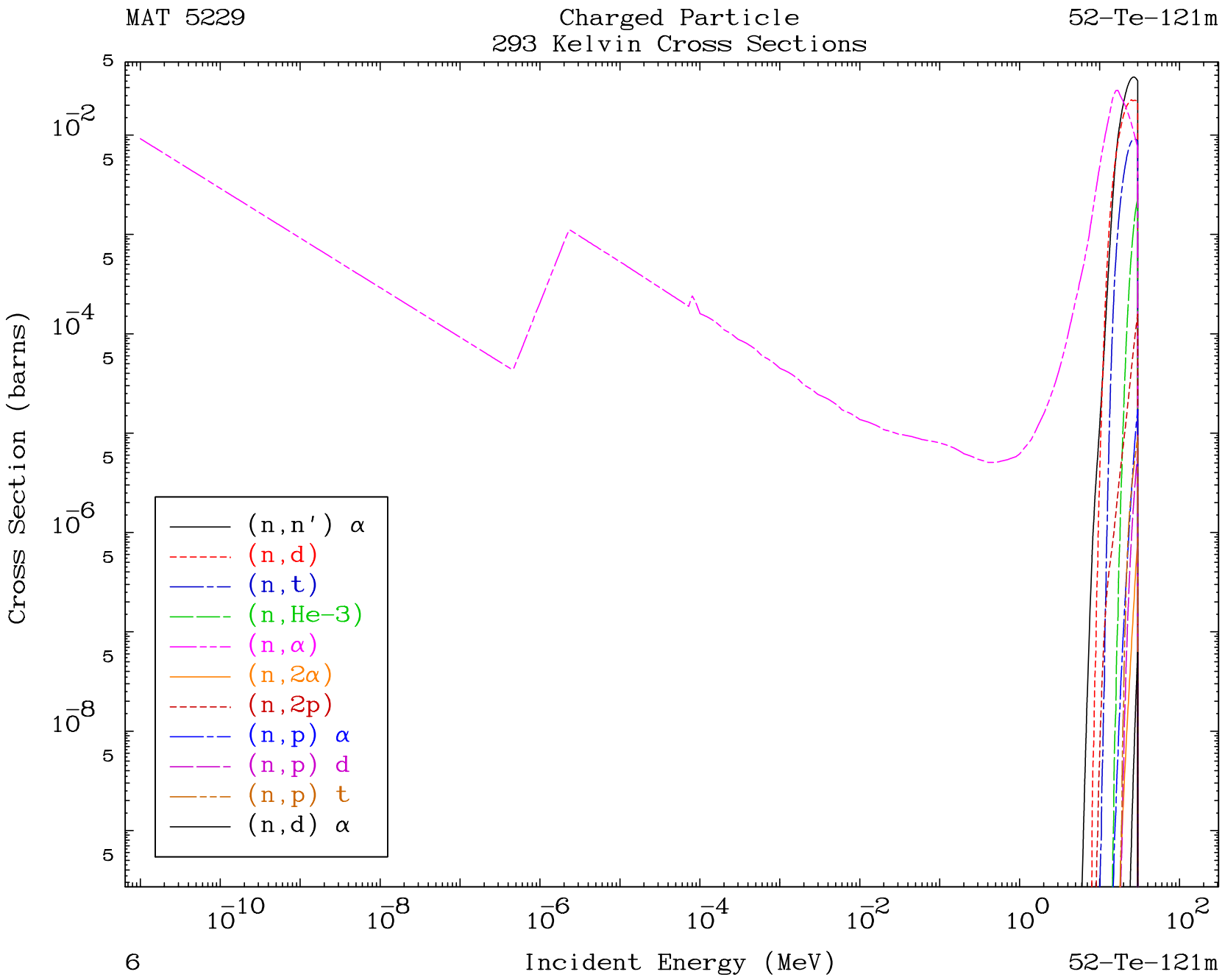

MAT 5229
Neutron Major
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
52-Te-121m

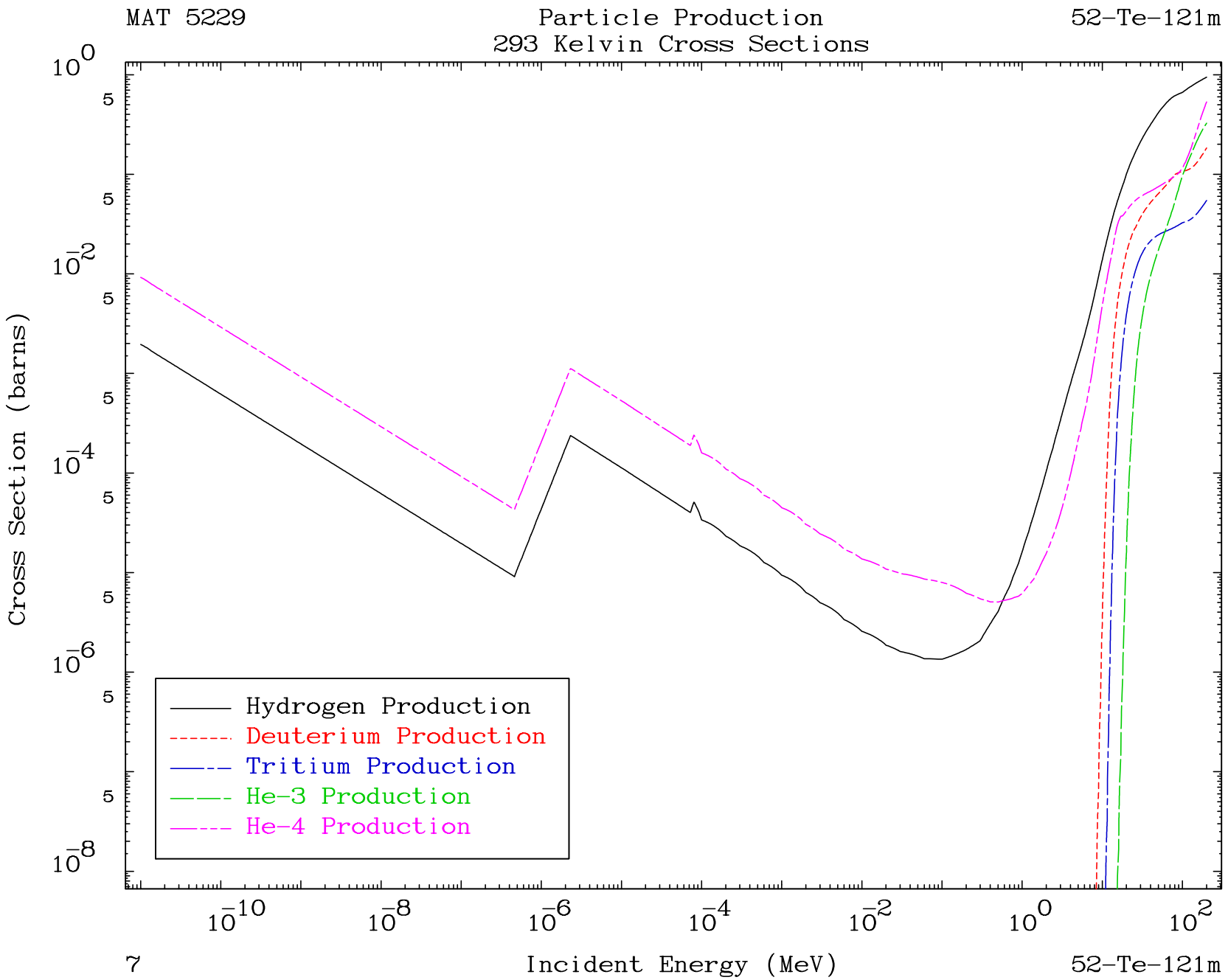

MAT 5229
Neutron Absorption
293 Kelvin Cross Sections
52-Te-121m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
52-Te-121m

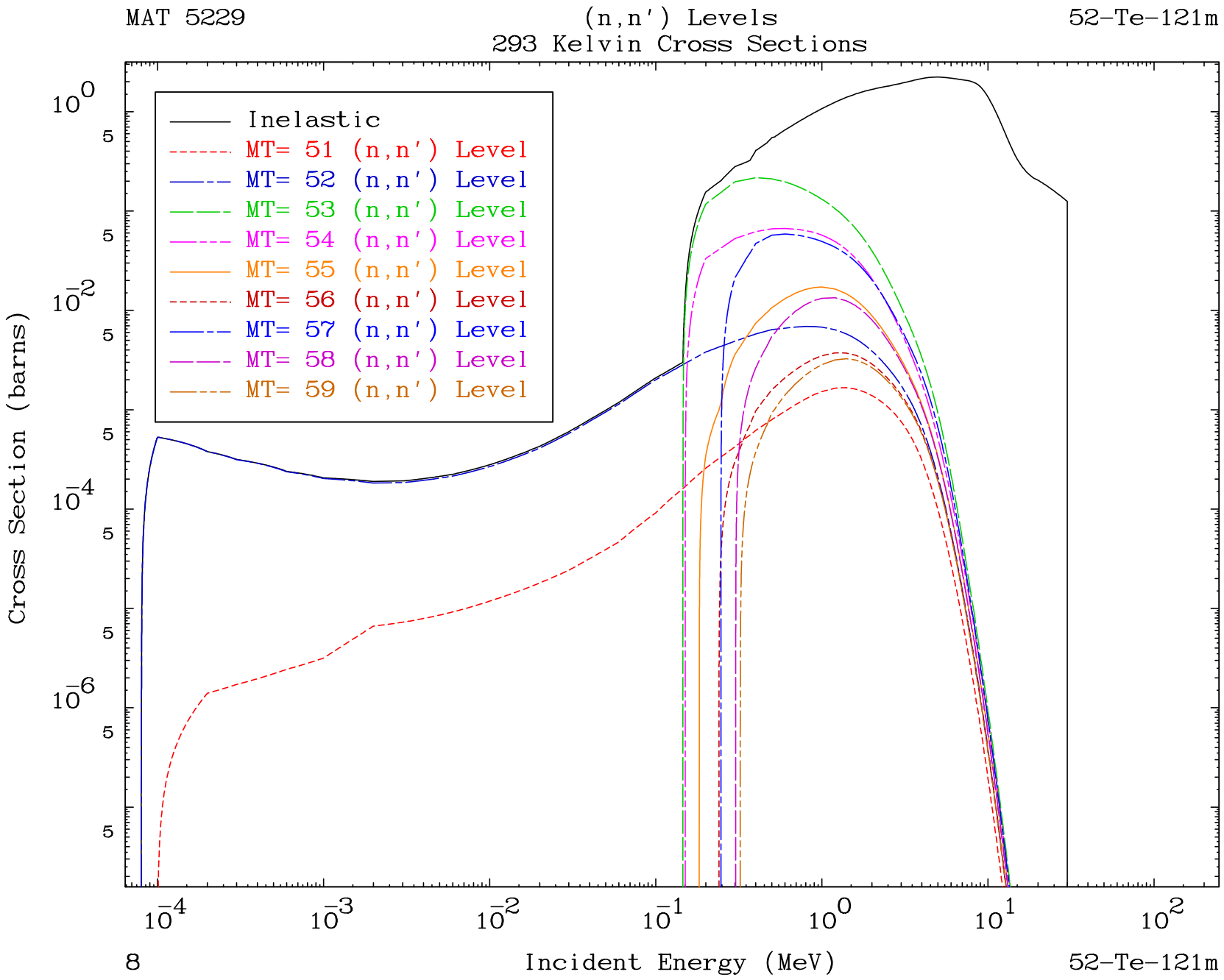

MAT 5229
Neutron Absorption
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-121m
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)

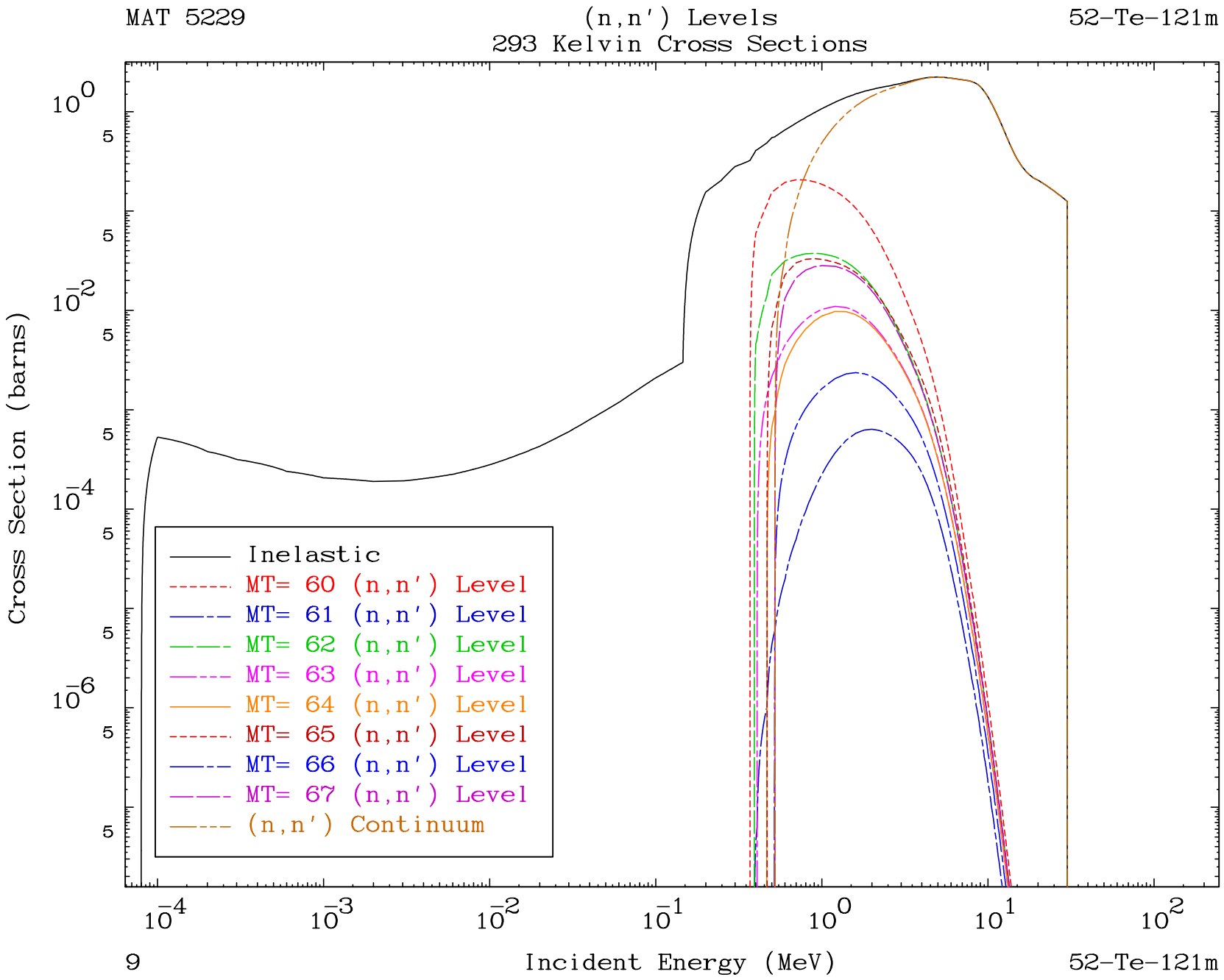

MAT 5229
Neutron Absorption
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
52-Te-121m
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

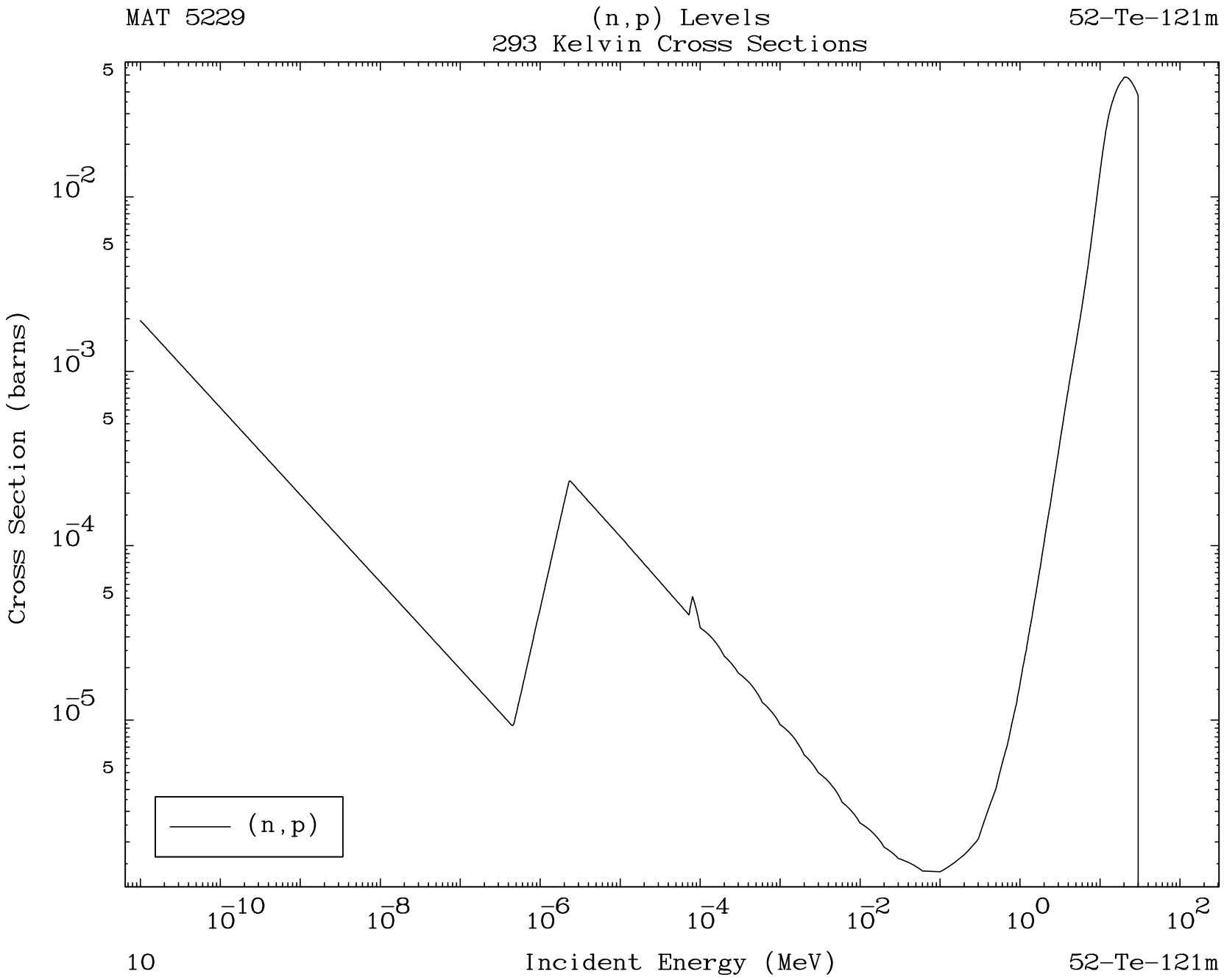

MAT 5229
Charged Particle
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
52-Te-121m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

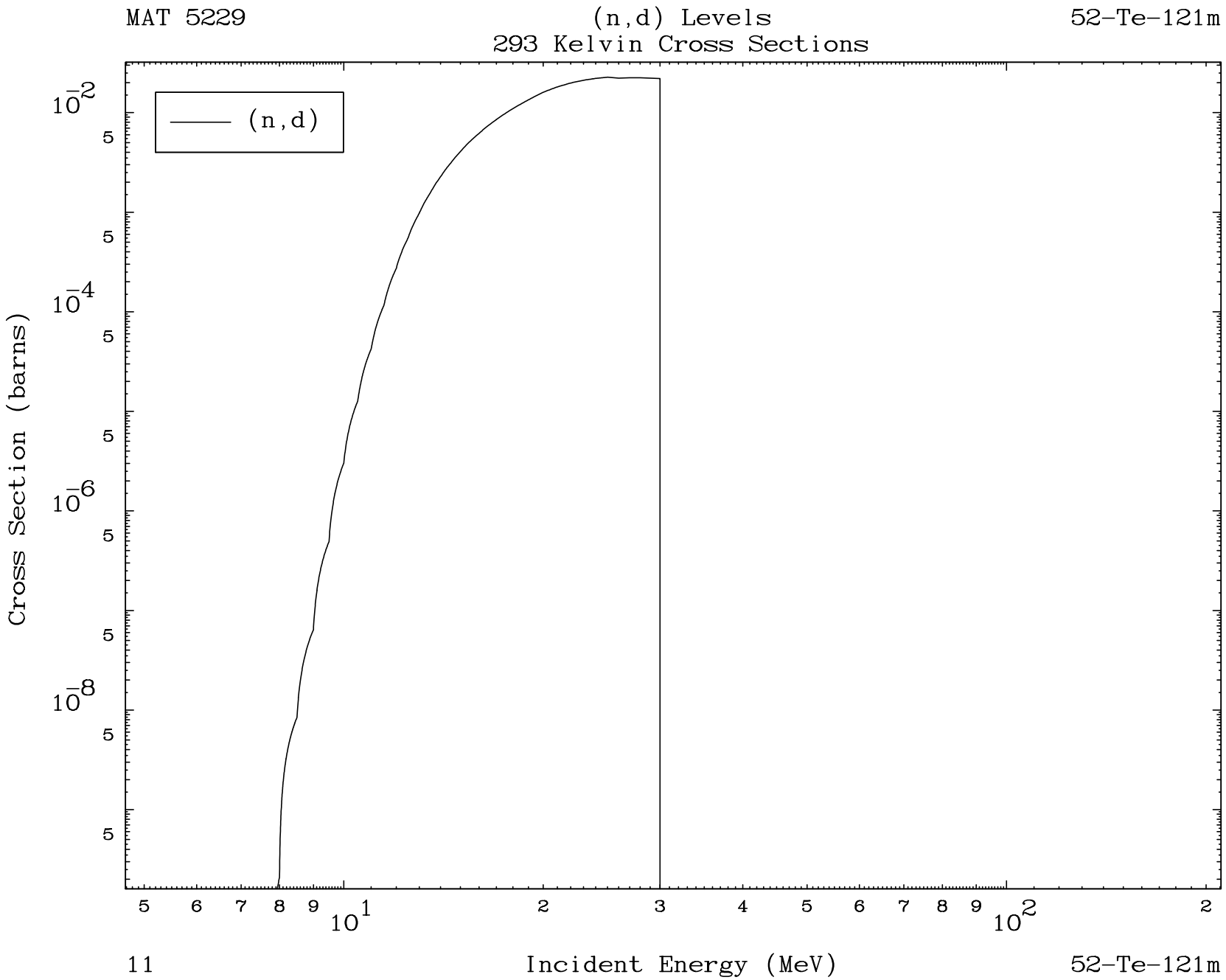

MAT 5229
Charged Particle
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6

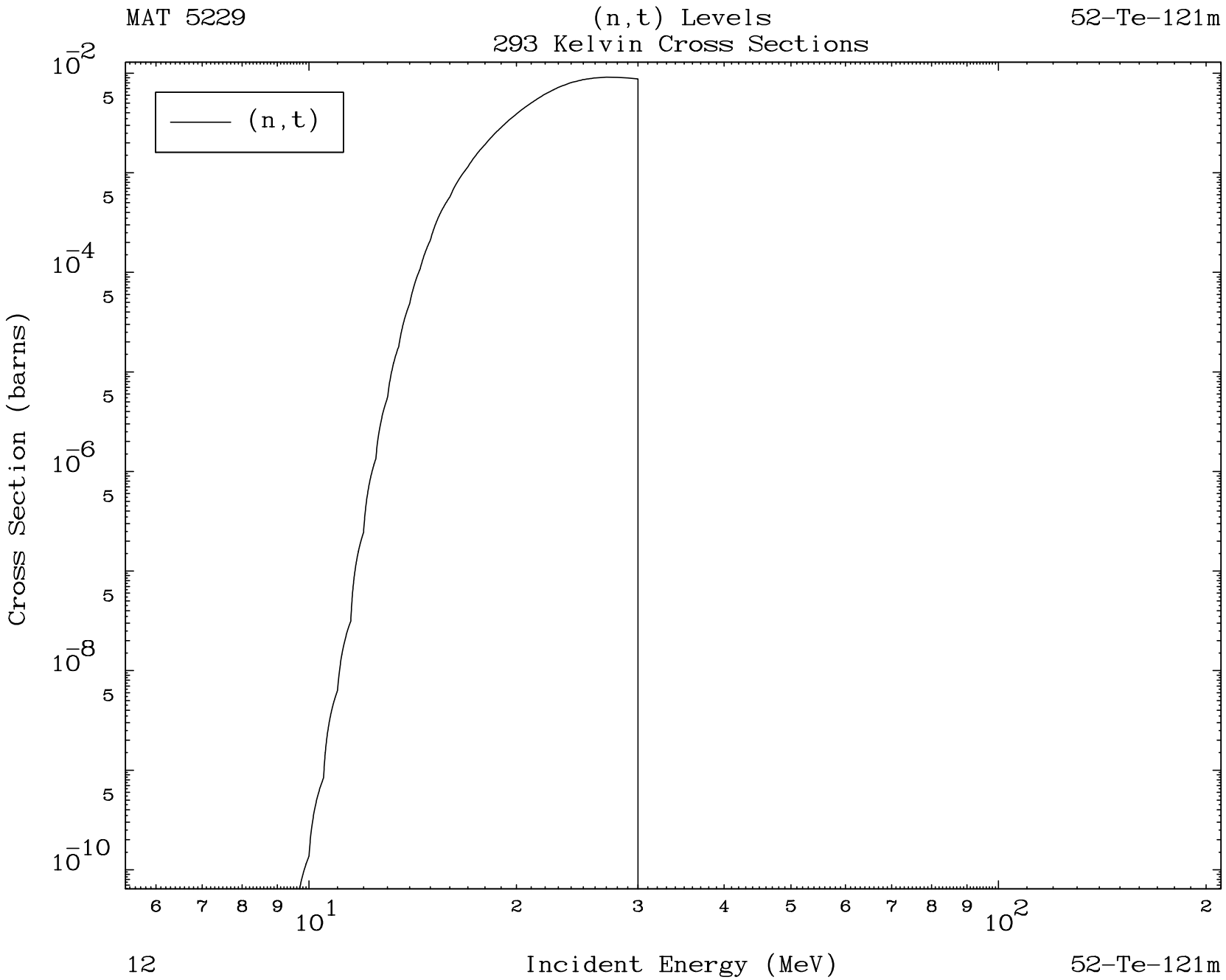

MAT 5229
Particle Production
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
52-Te-121m


MAT 5229
(n,n') Levels
293 Kelvin Cross Sections
52-Te-121m
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
Cross Section (barns)
Incident Energy (MeV)
8
52-Te-121m

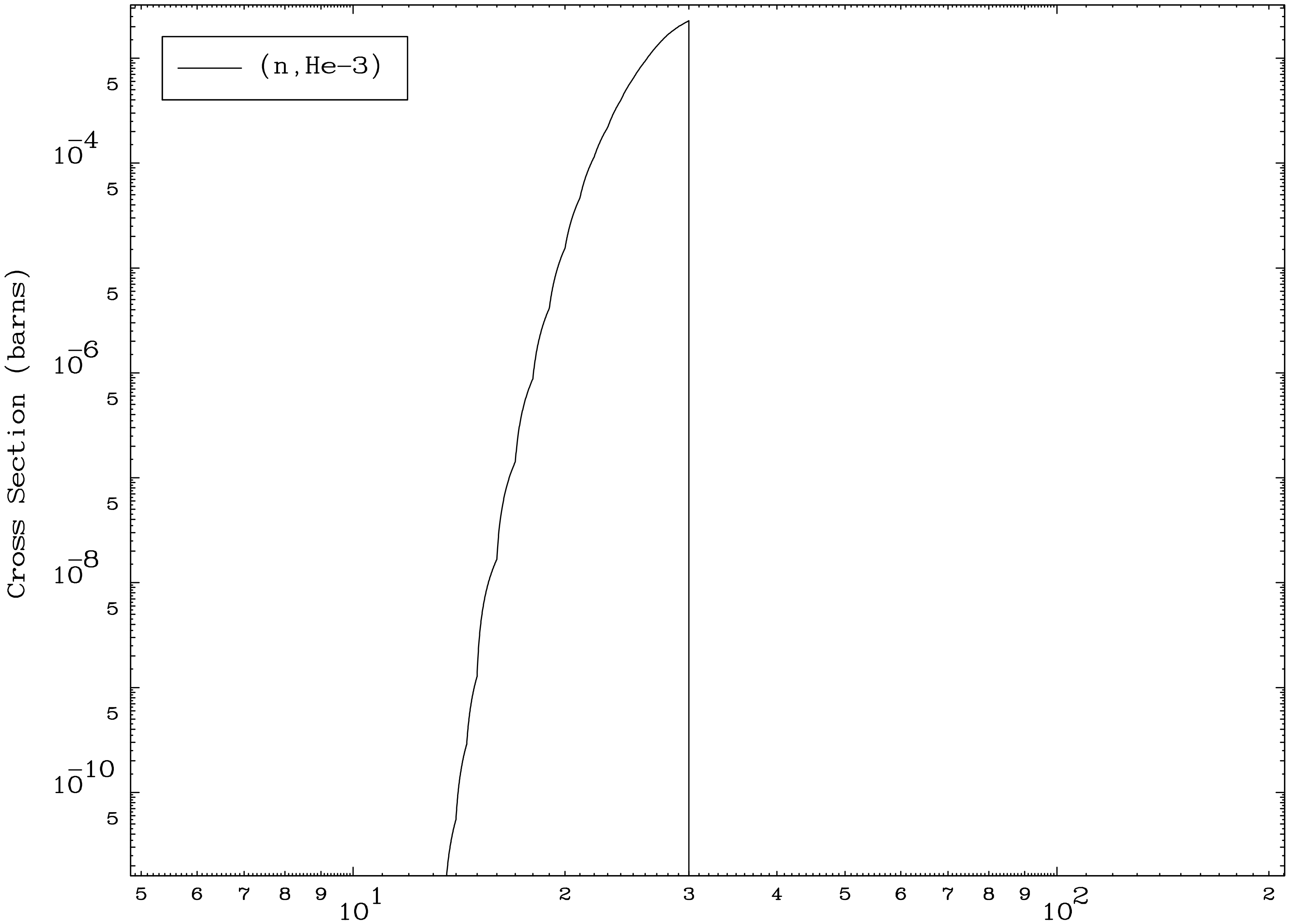

MAT 5229
(n,n') Levels
293 Kelvin Cross Sections
52-Te-121m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
(n,n') Continuum
9
52-Te-121m

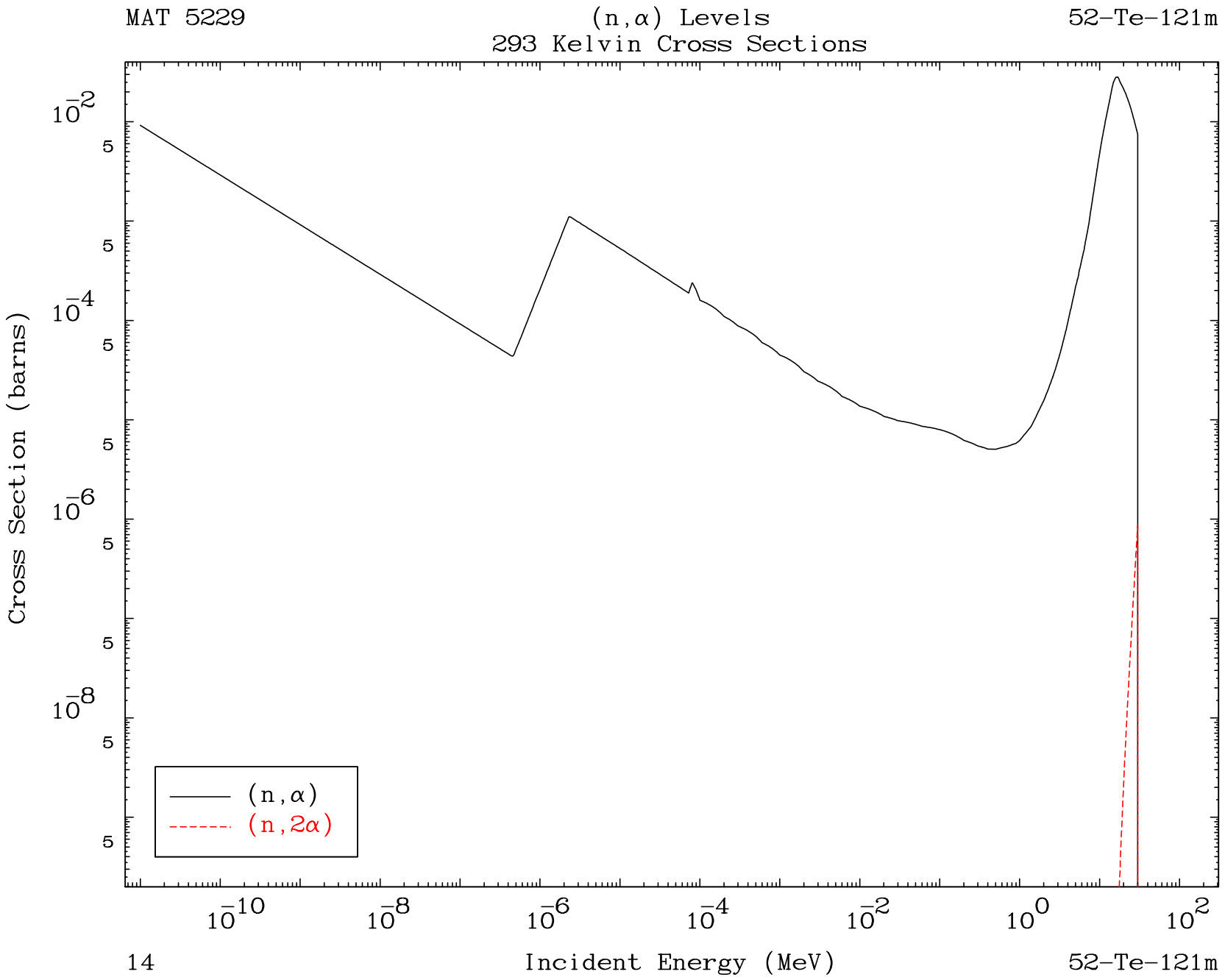

MAT 5229
(n,p) Levels
52-Te-121m
293 Kelvin Cross Sections
Cross Section (barns)
5
10-2
5
10-3
5
10-4
5
10-5
5
(n,p)
10-10
10-8
10-6
10-4
10-2
100
102
10
Incident Energy (MeV)
52-Te-121m

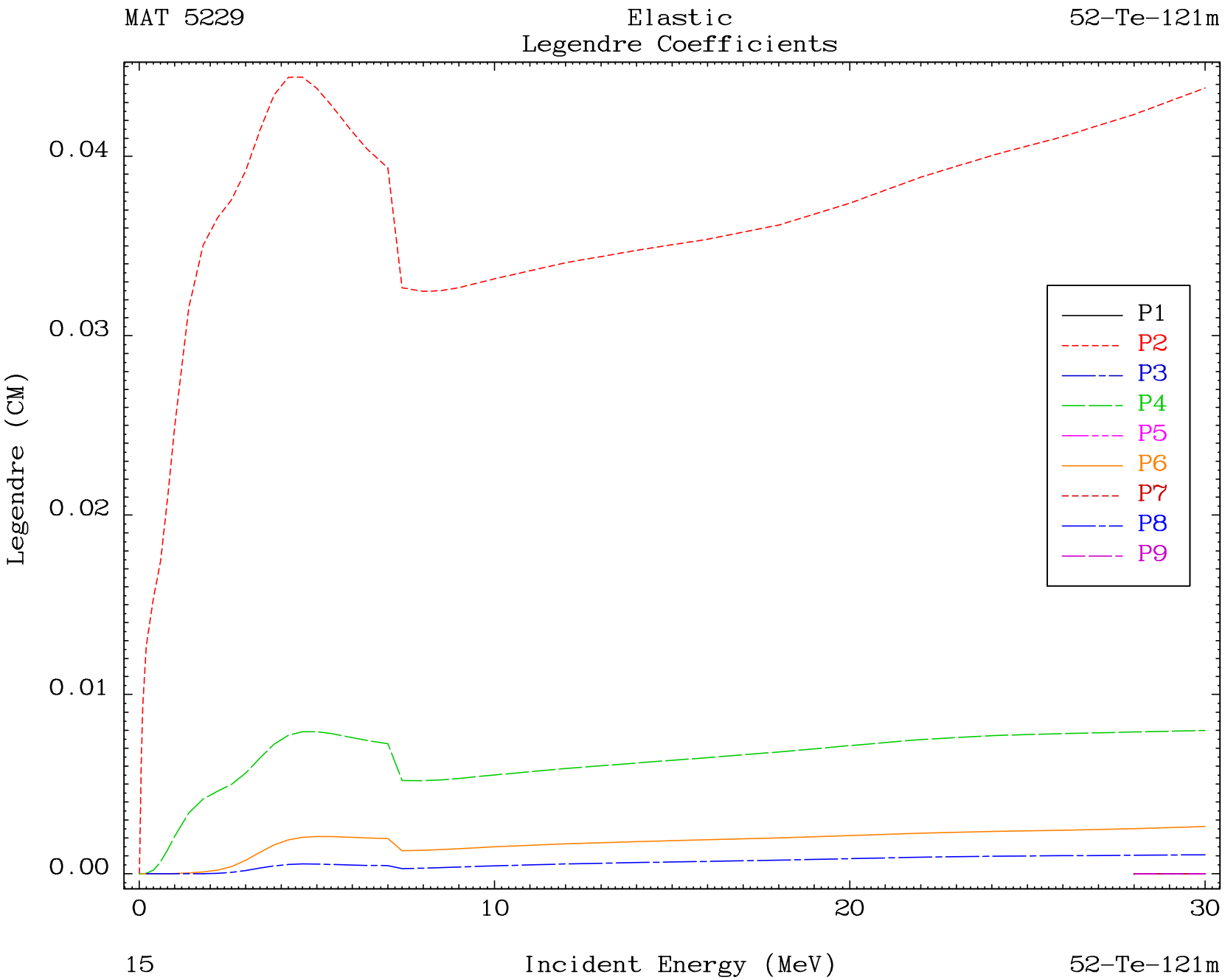

MAT 5229
(n,d) Levels
52-Te-121m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 2 3 4 5 6 7 8 9 102 2
11
Incident Energy (MeV)
52-Te-121m

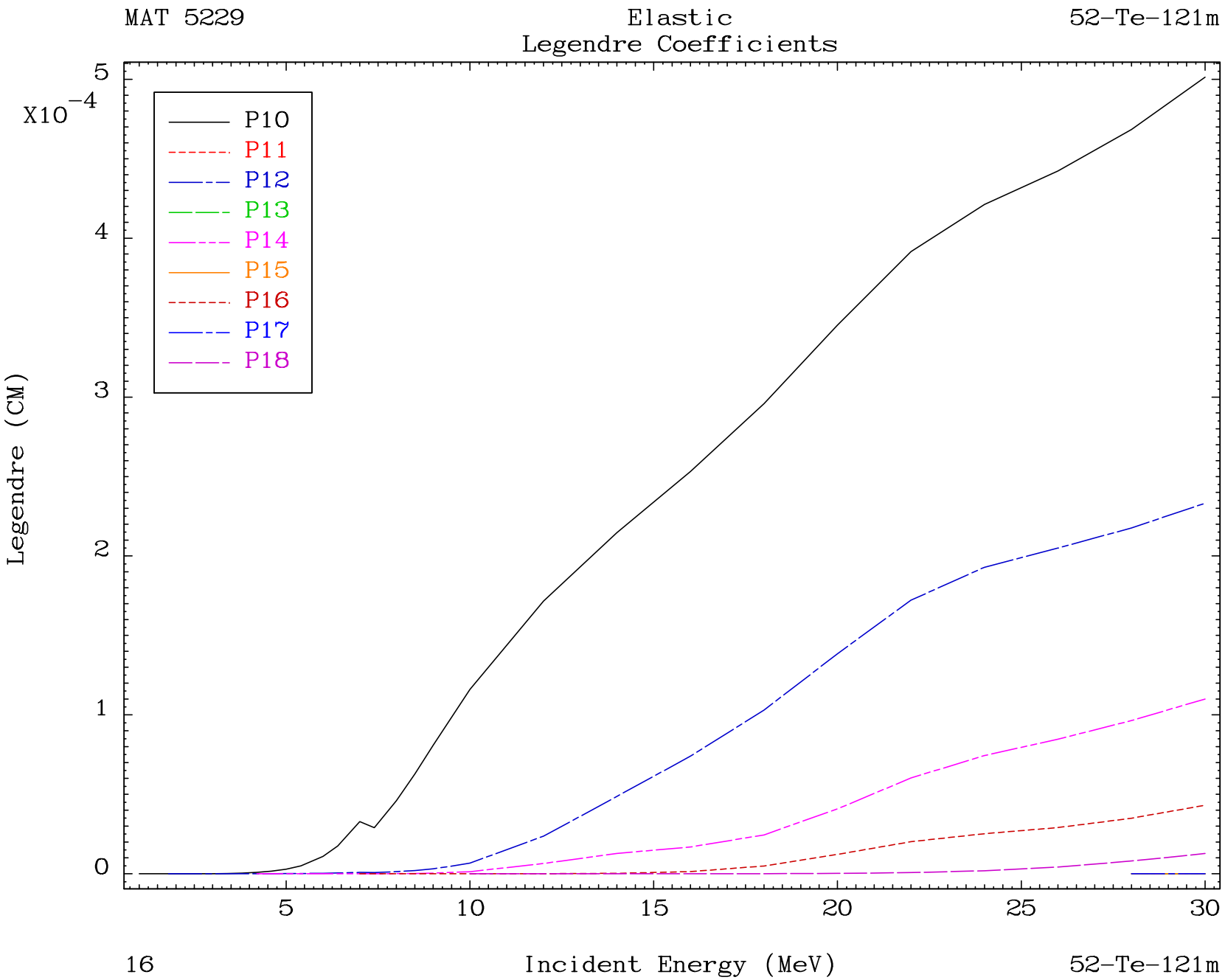

MAT 5229
(n,t) Levels
52-Te-121m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
52-Te-121m

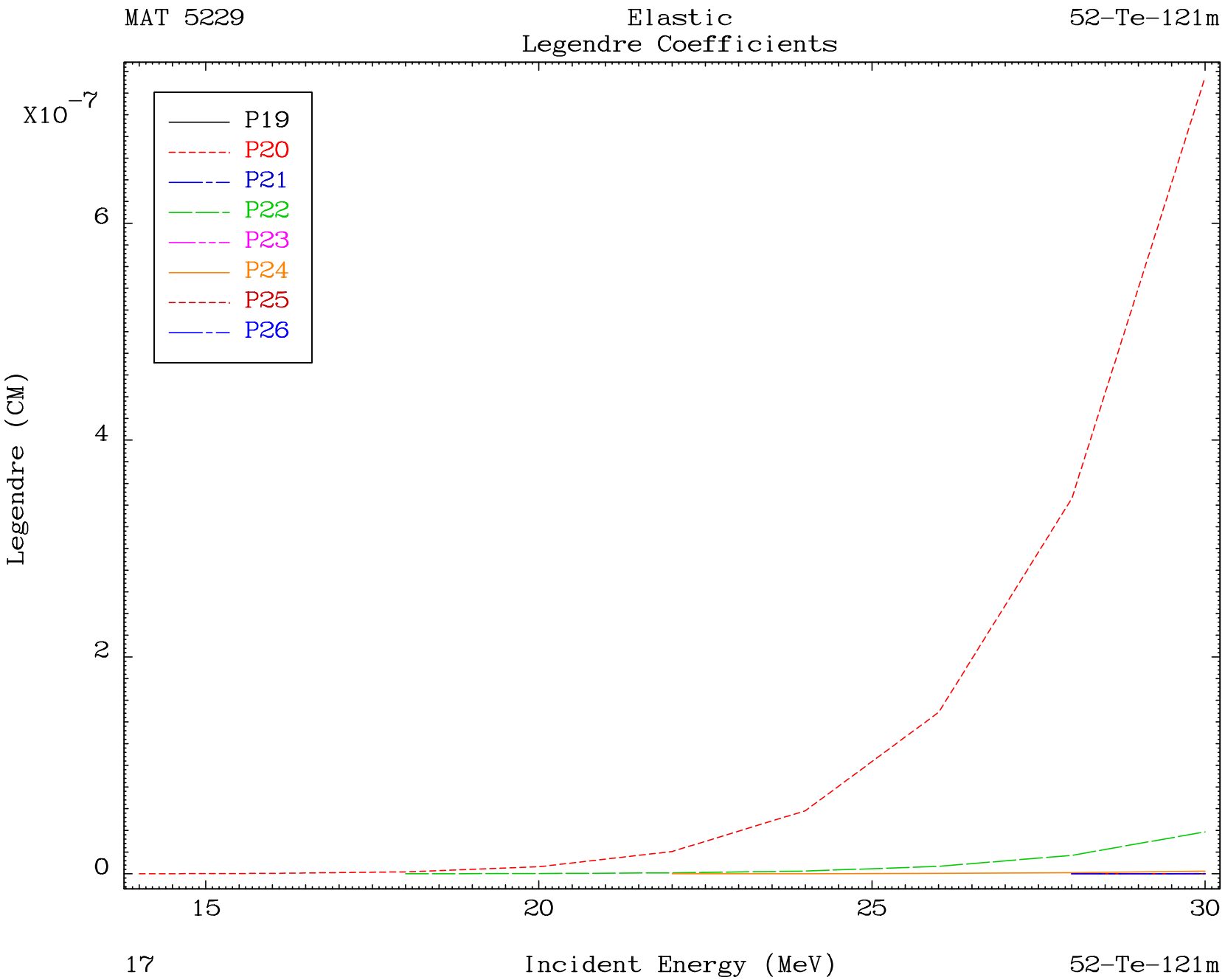
(n,He3) Levels
293 Kelvin Cross Sections

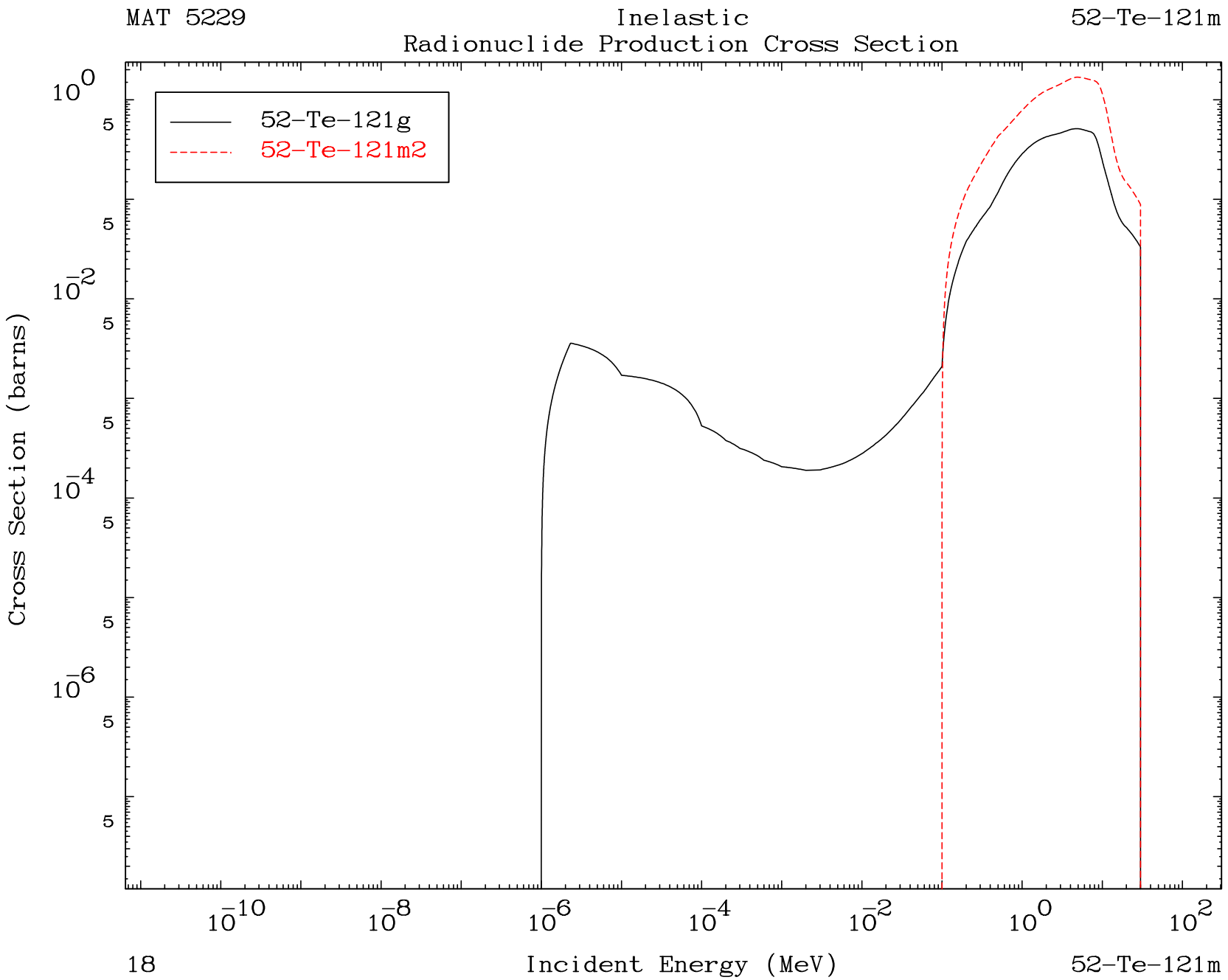


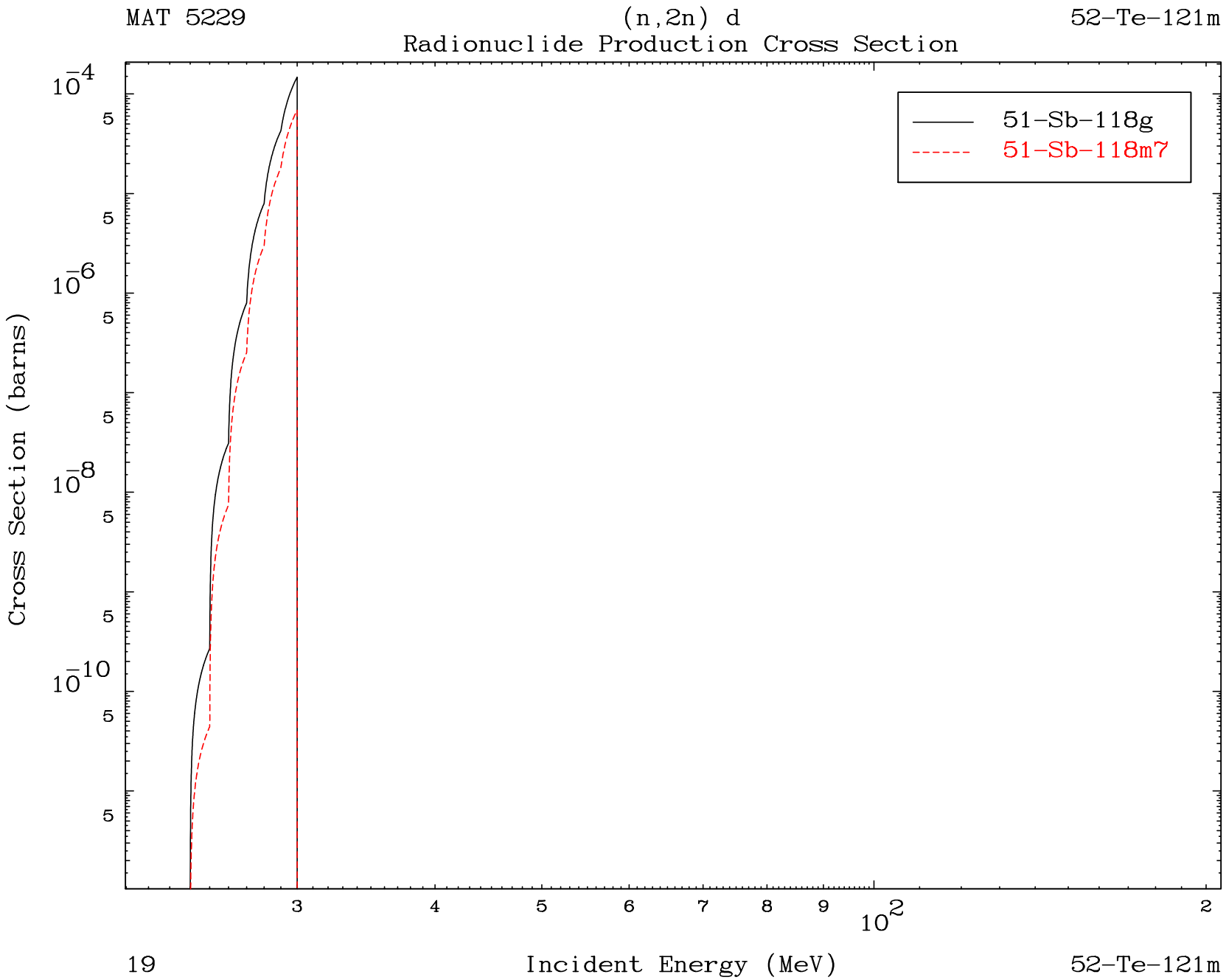

MAT 5229
(n,α) Levels
52-Te-121m
293 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
52-Te-121m

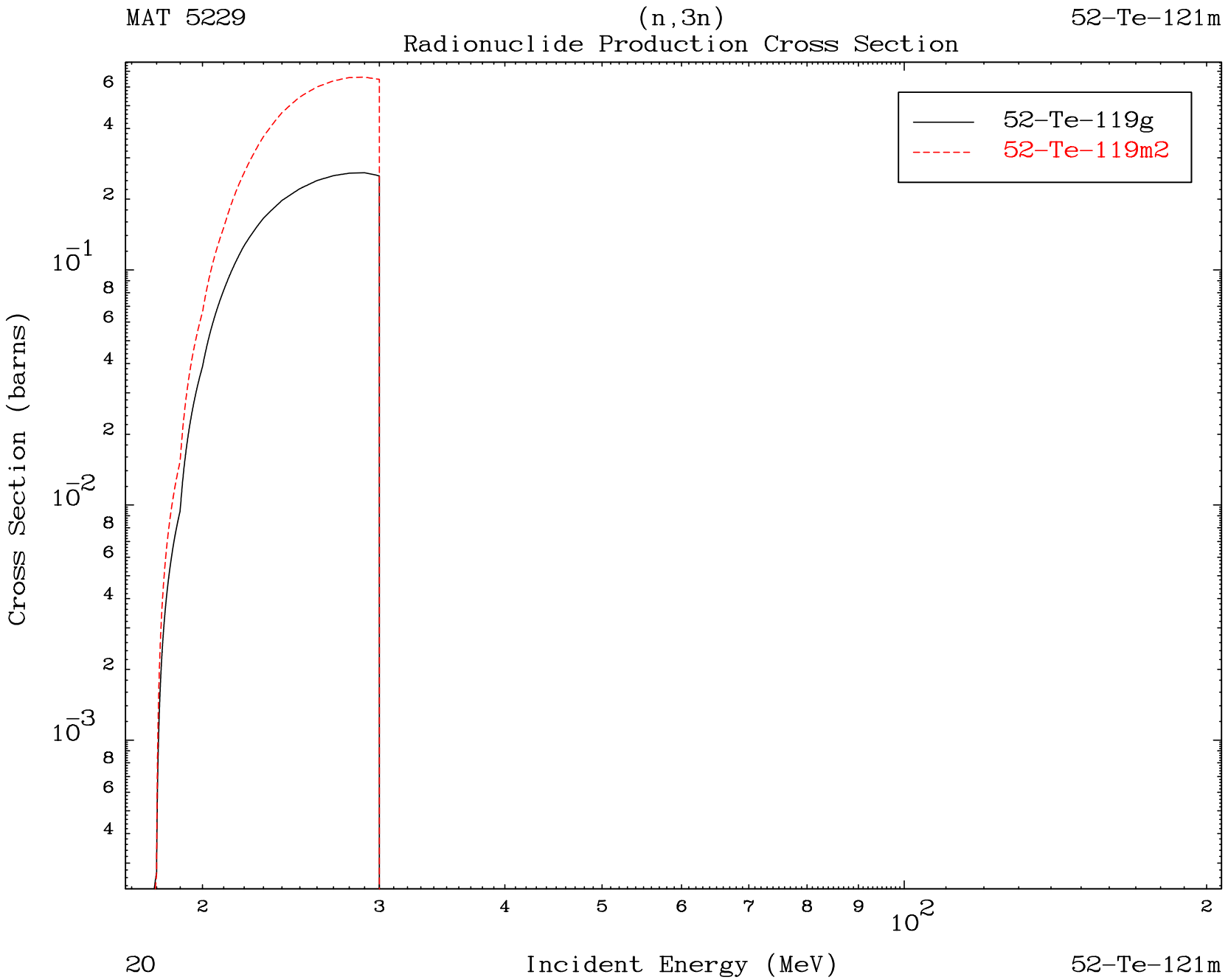

MAT 5229
Elastic
Legendre Coefficients
52-Te-121m
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
10
20
30
15
Incident Energy (MeV)
52-Te-121m

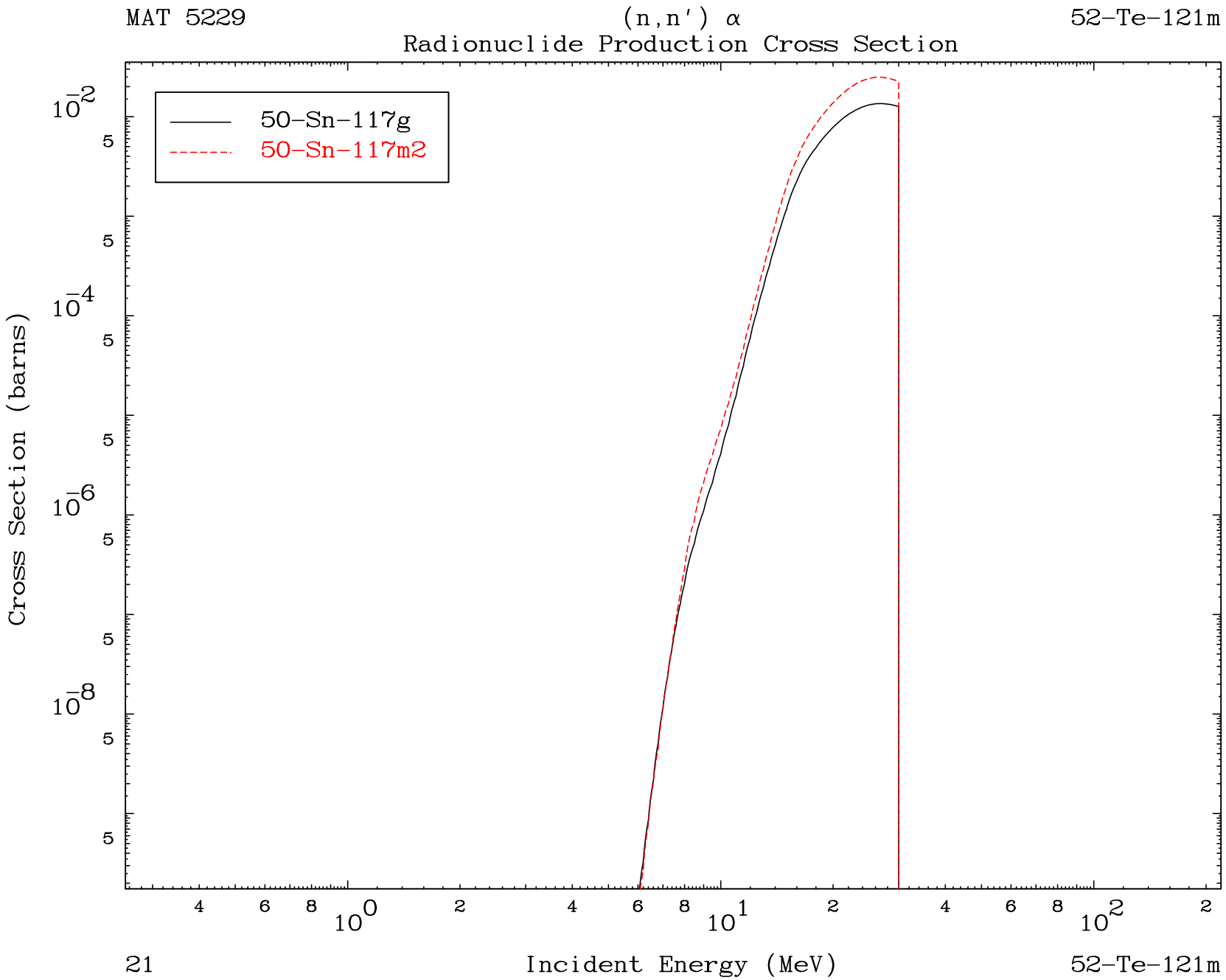

MAT 5229
Elastic
Legendre Coefficients
52-Te-121m
X10 −4
5
4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
5
10
15
20
25
30
16
Incident Energy (MeV)
52-Te-121m

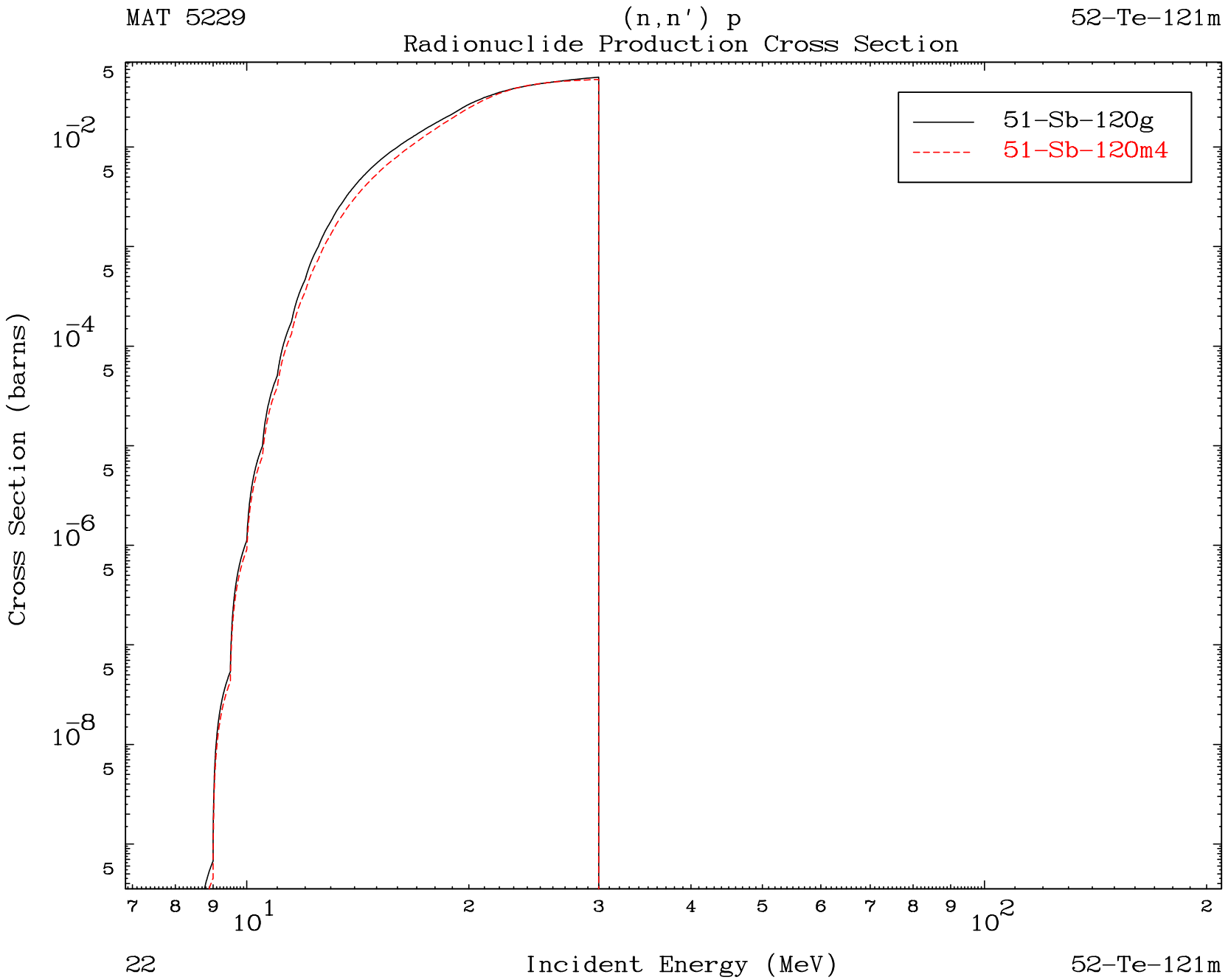

MAT 5229
Elastic
Legendre Coefficients
52-Te-121m
X10^{-7}
P19
P20
P21
P22
P23
P24
P25
P26
Legendre (CM)
6
4
2
0
15
20
25
30
17
Incident Energy (MeV)
52-Te-121m

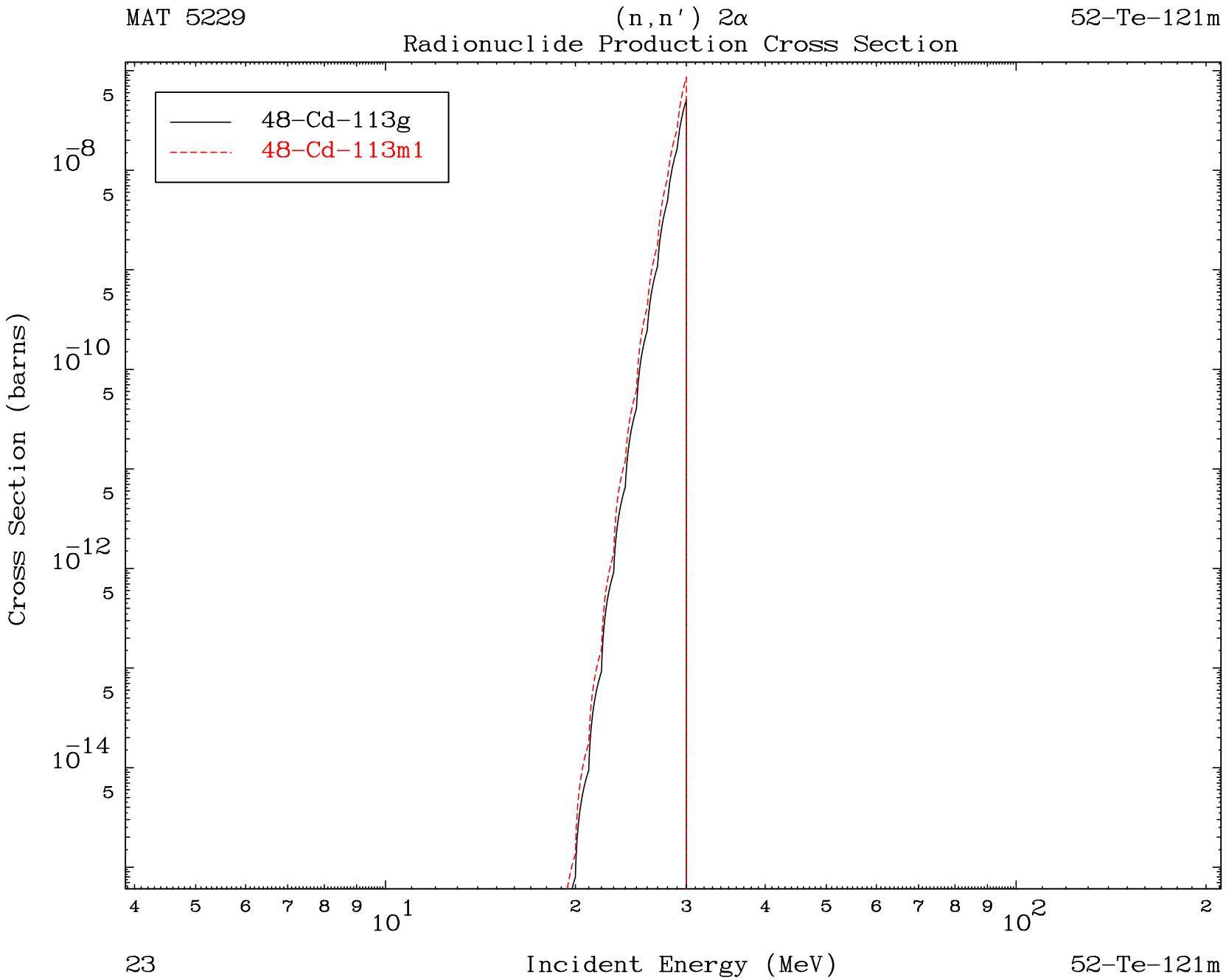

MAT 5229
Inelastic
52-Te-121m
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
Incident Energy (MeV)
18
52-Te-121m

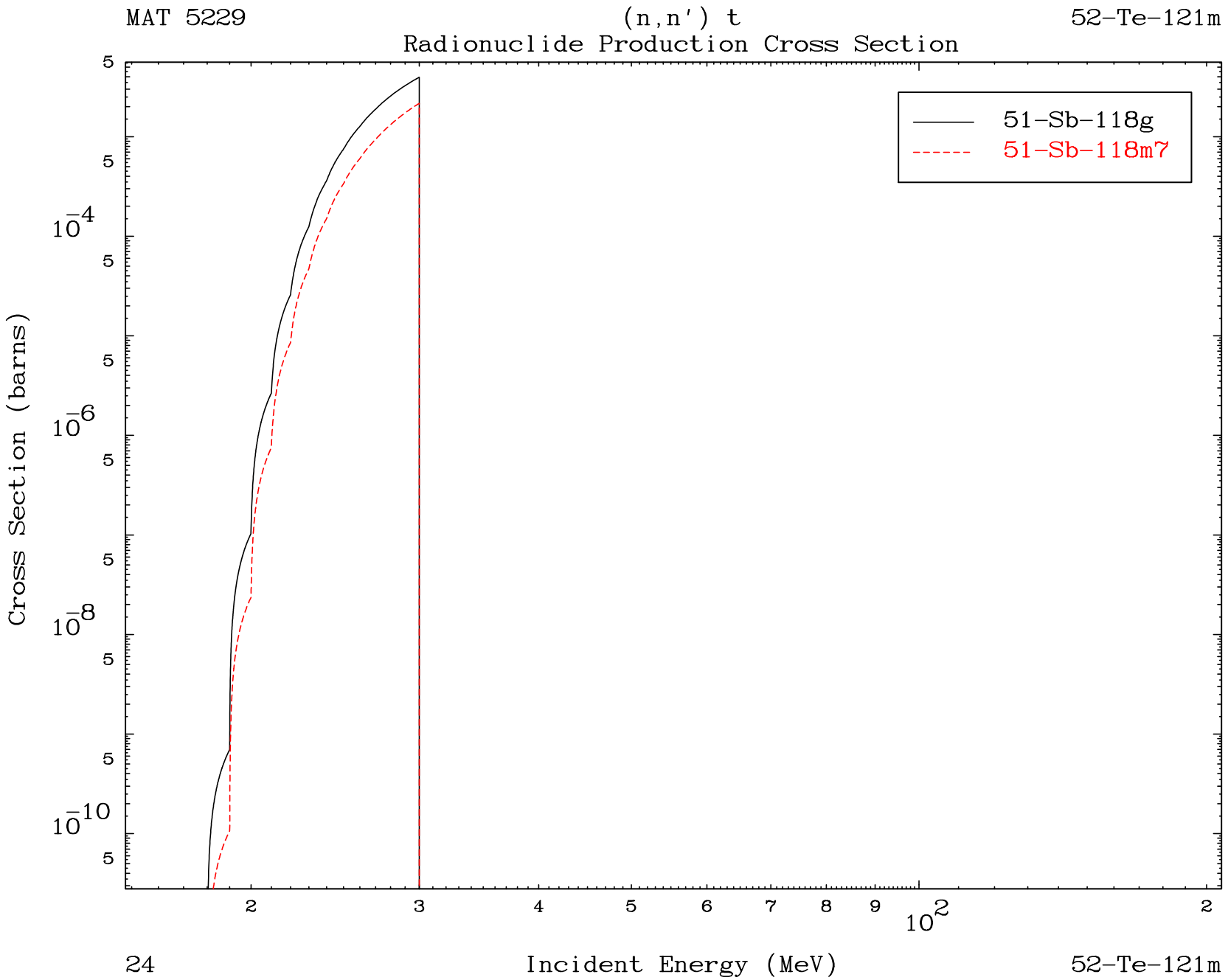

MAT 5229
(n,2n) d
52-Te-121m
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
19
52-Te-121m

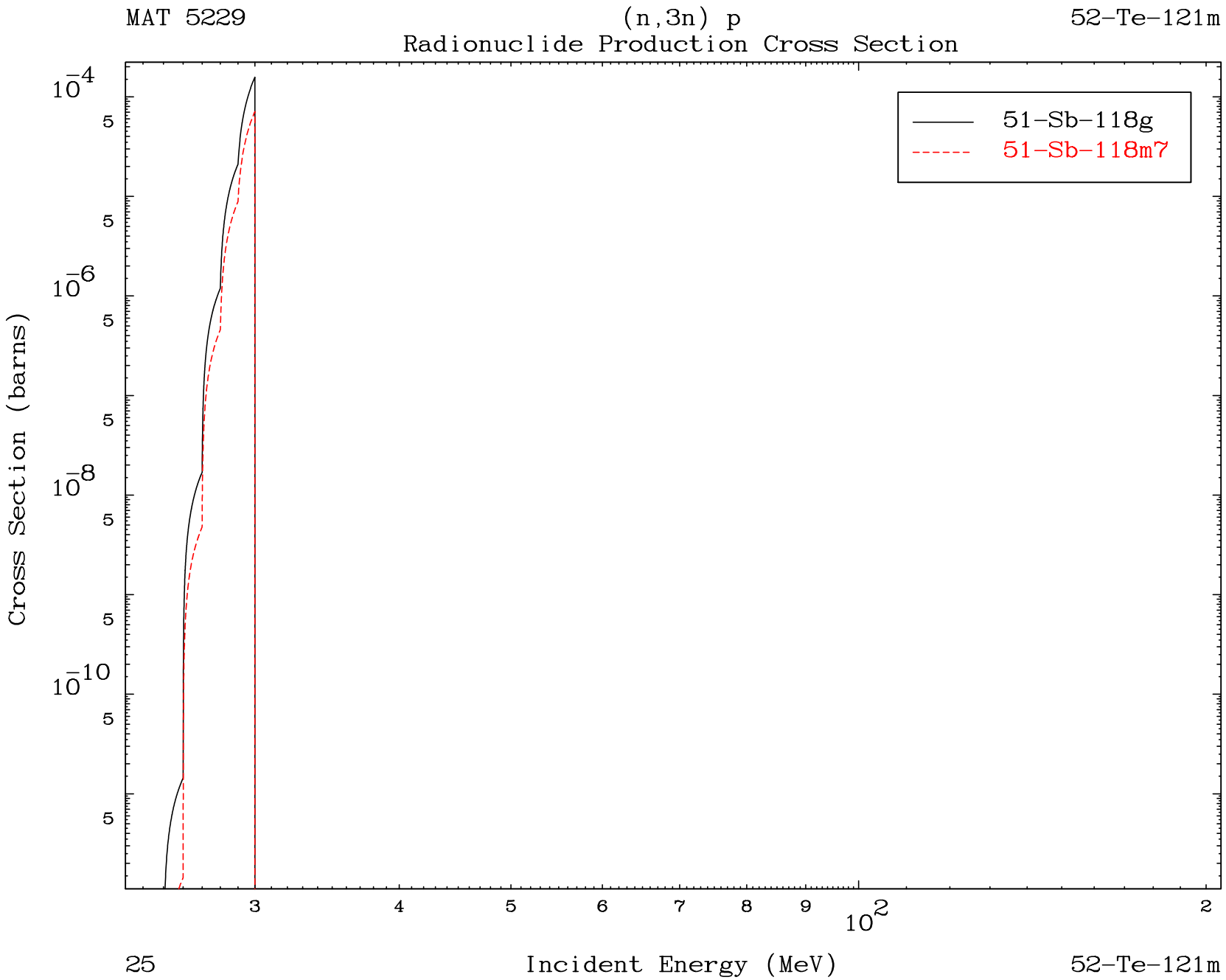

MAT 5229
(n,3n)
52-Te-121m
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
20
52-Te-121m

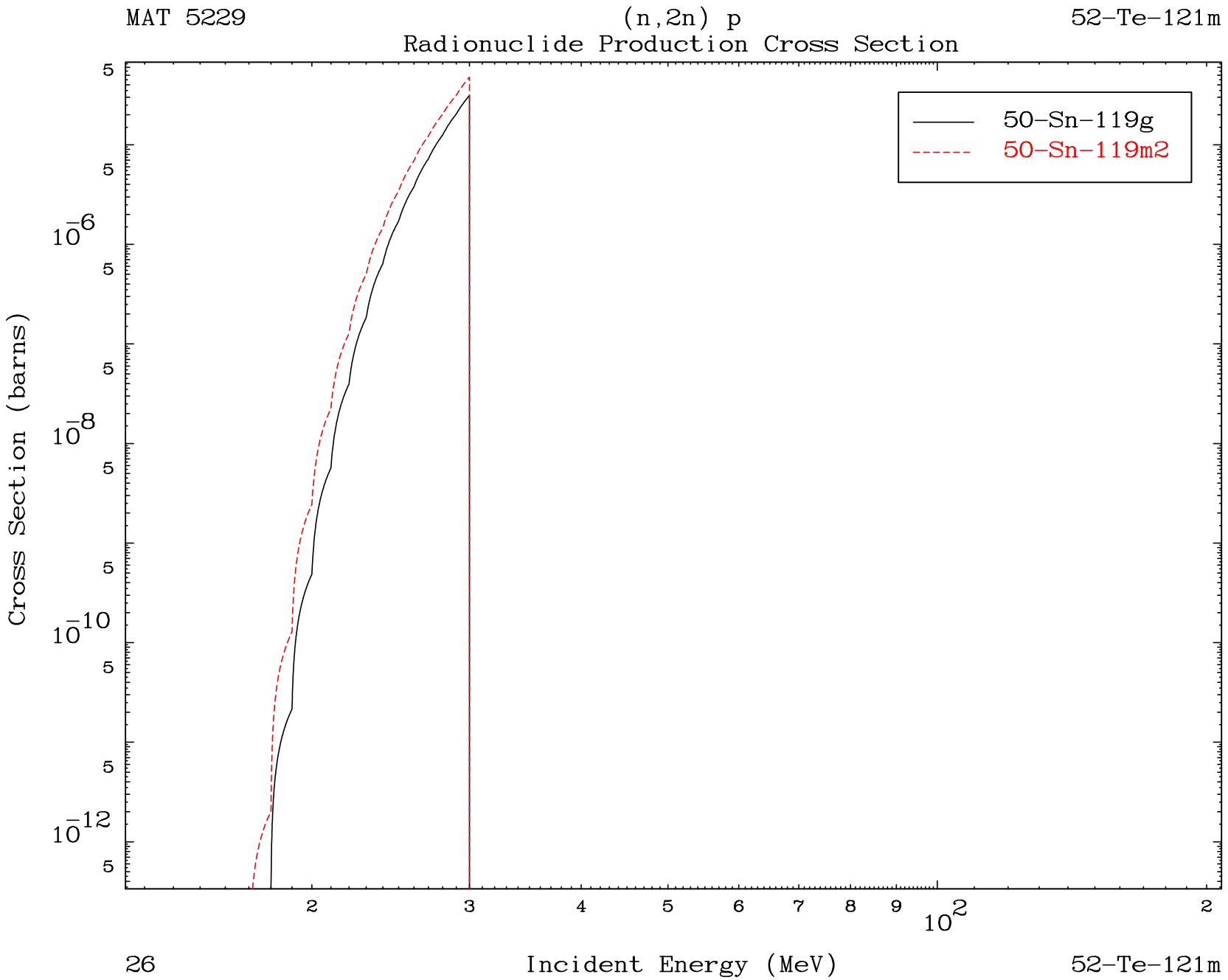

MAT 5229
(n,n') α
52-Te-121m
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
21
52-Te-121m

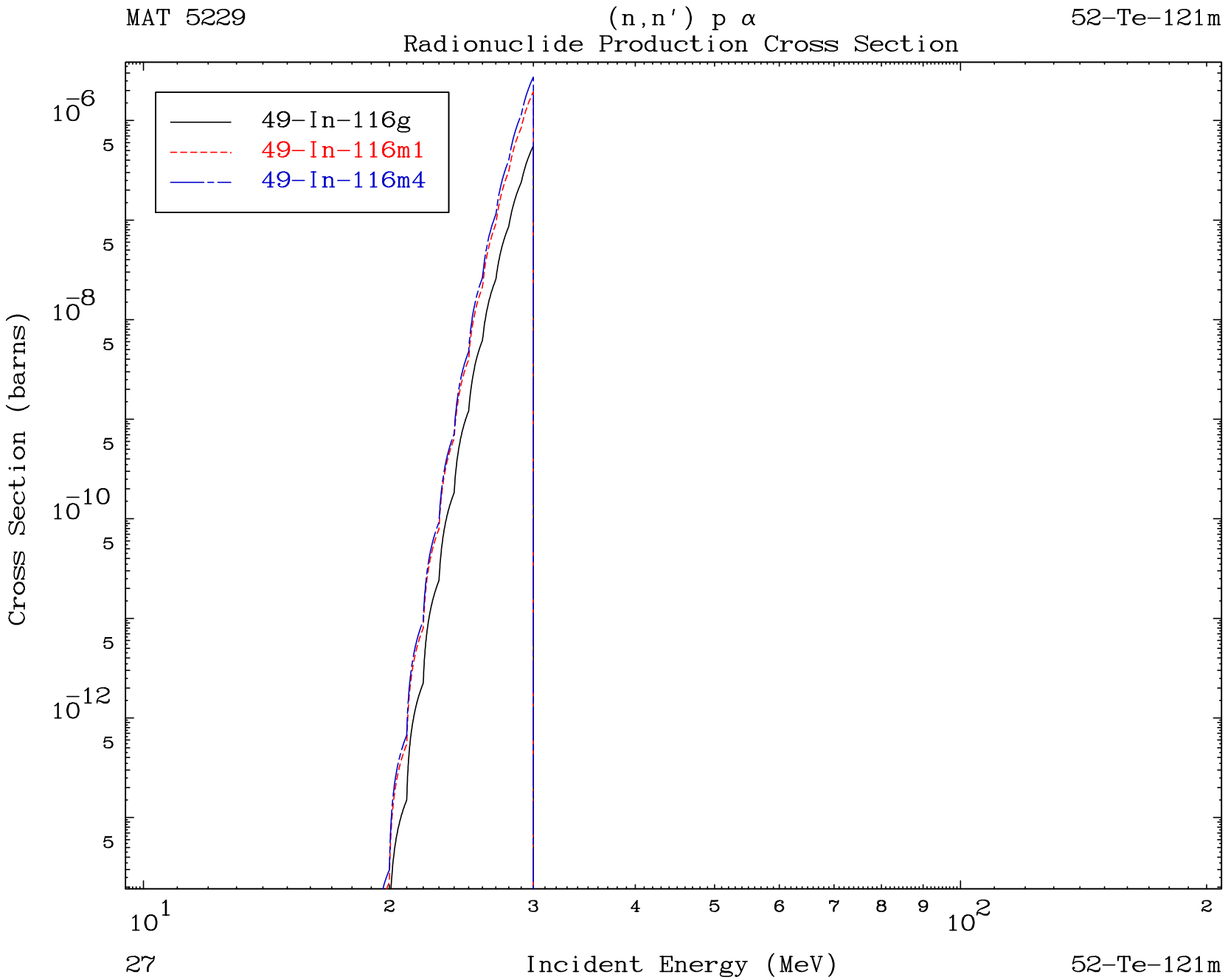

MAT 5229
(n,n') p
52-Te-121m
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m4
Cross Section (barns)
Incident Energy (MeV)
22
52-Te-121m

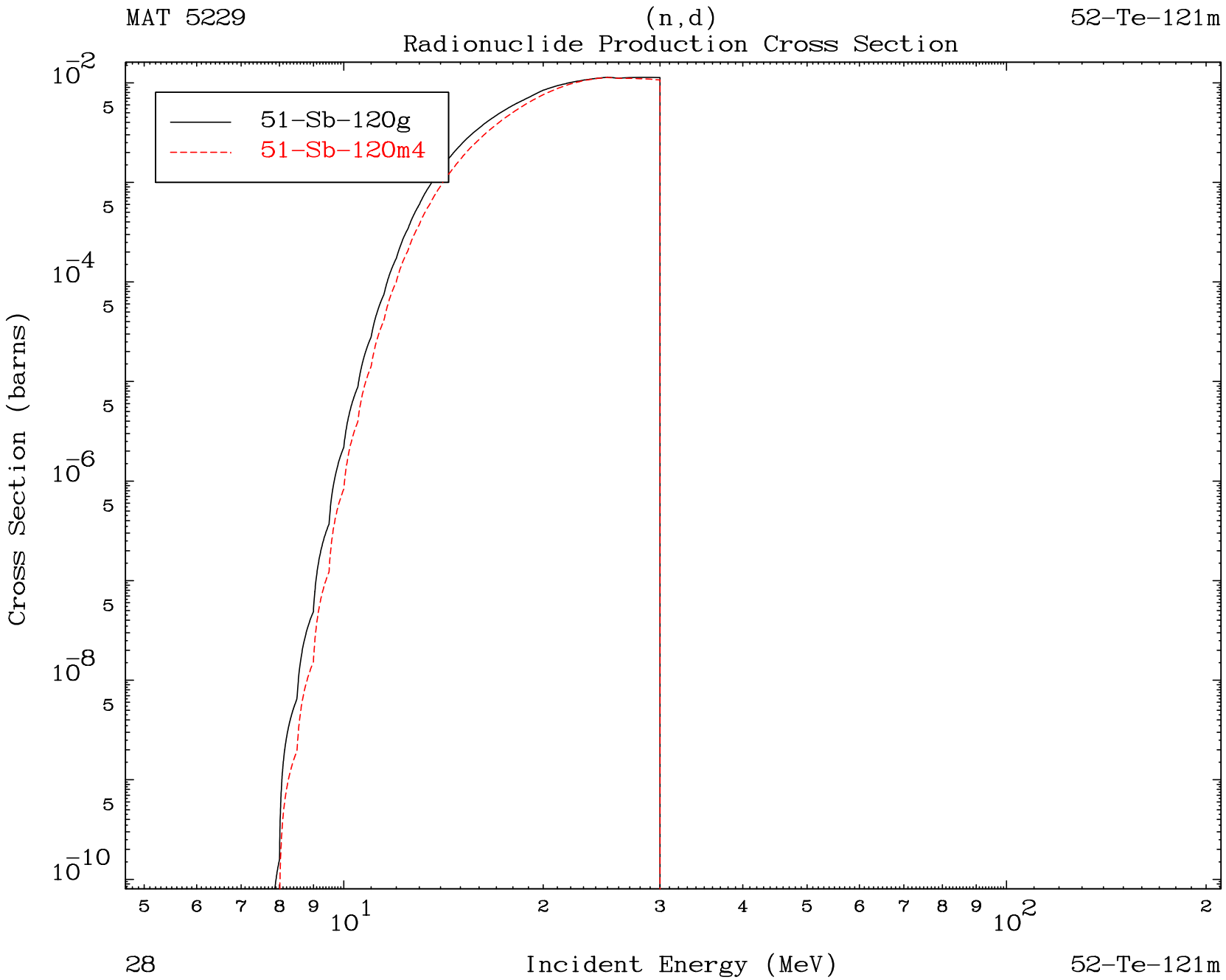

MAT 5229
(n,n') 2α
52-Te-121m
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
23
52-Te-121m

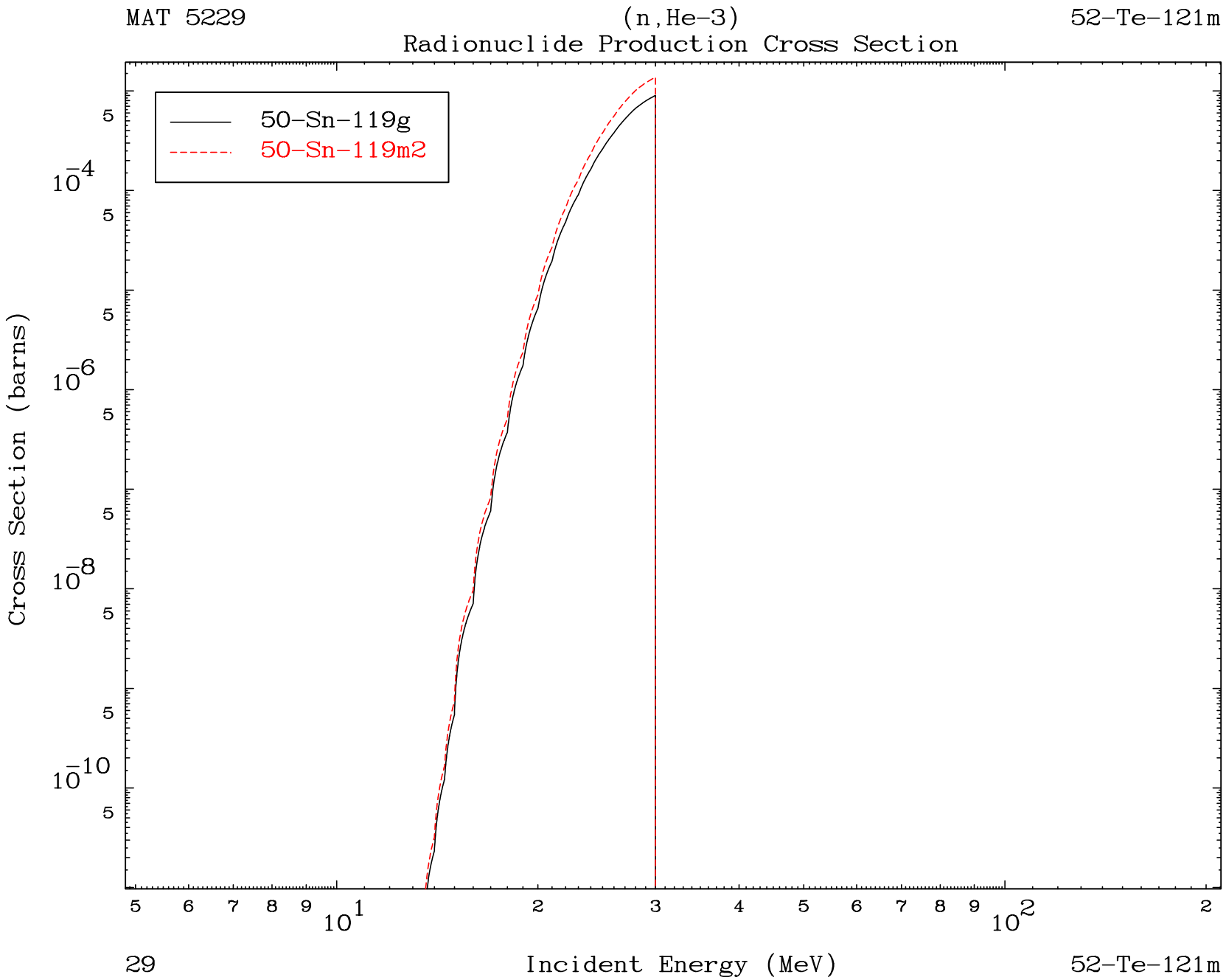

MAT 5229
(n,n') t
52-Te-121m
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
24
52-Te-121m

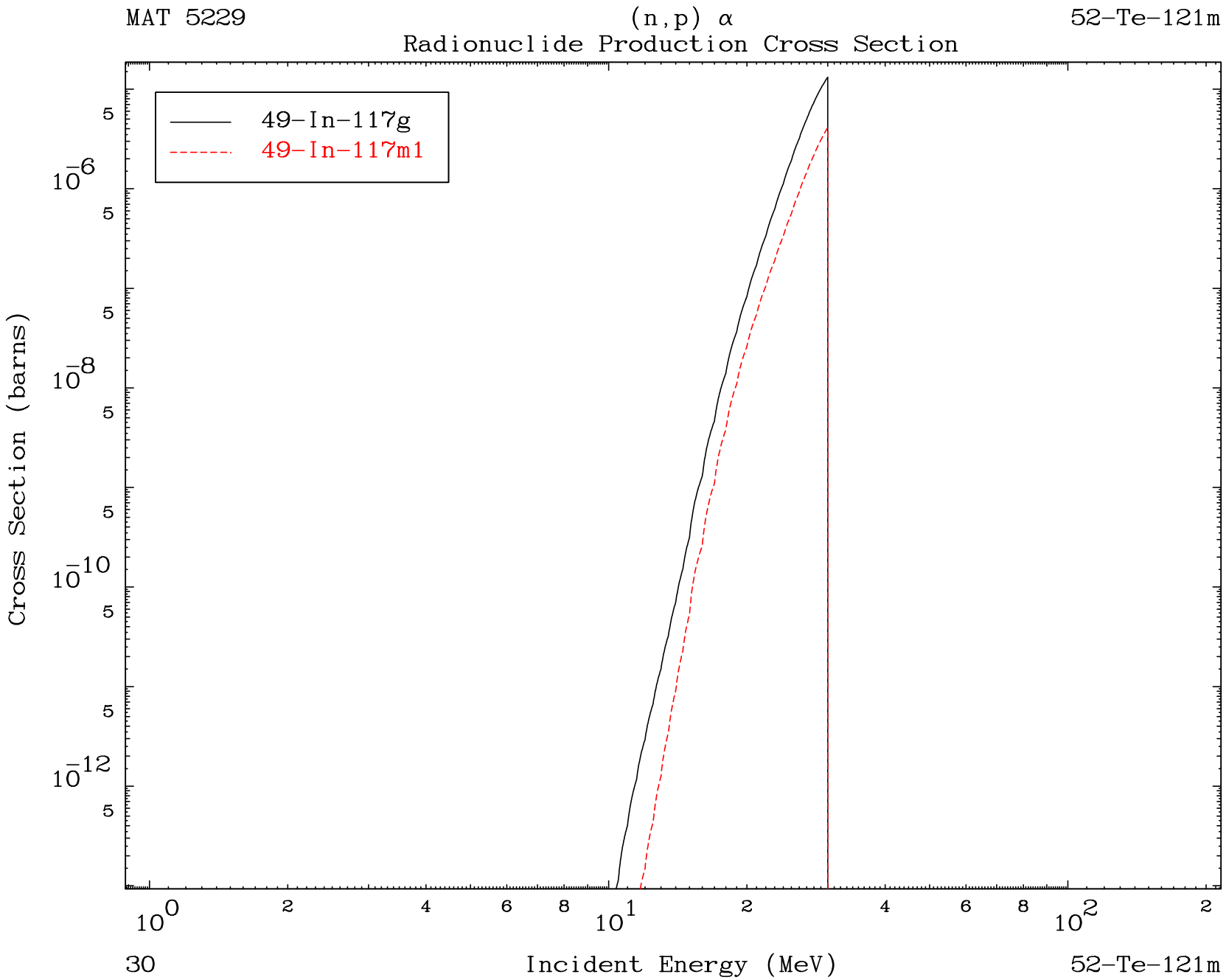

MAT 5229
(n,3n) p
52-Te-121m
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
52-Te-121m

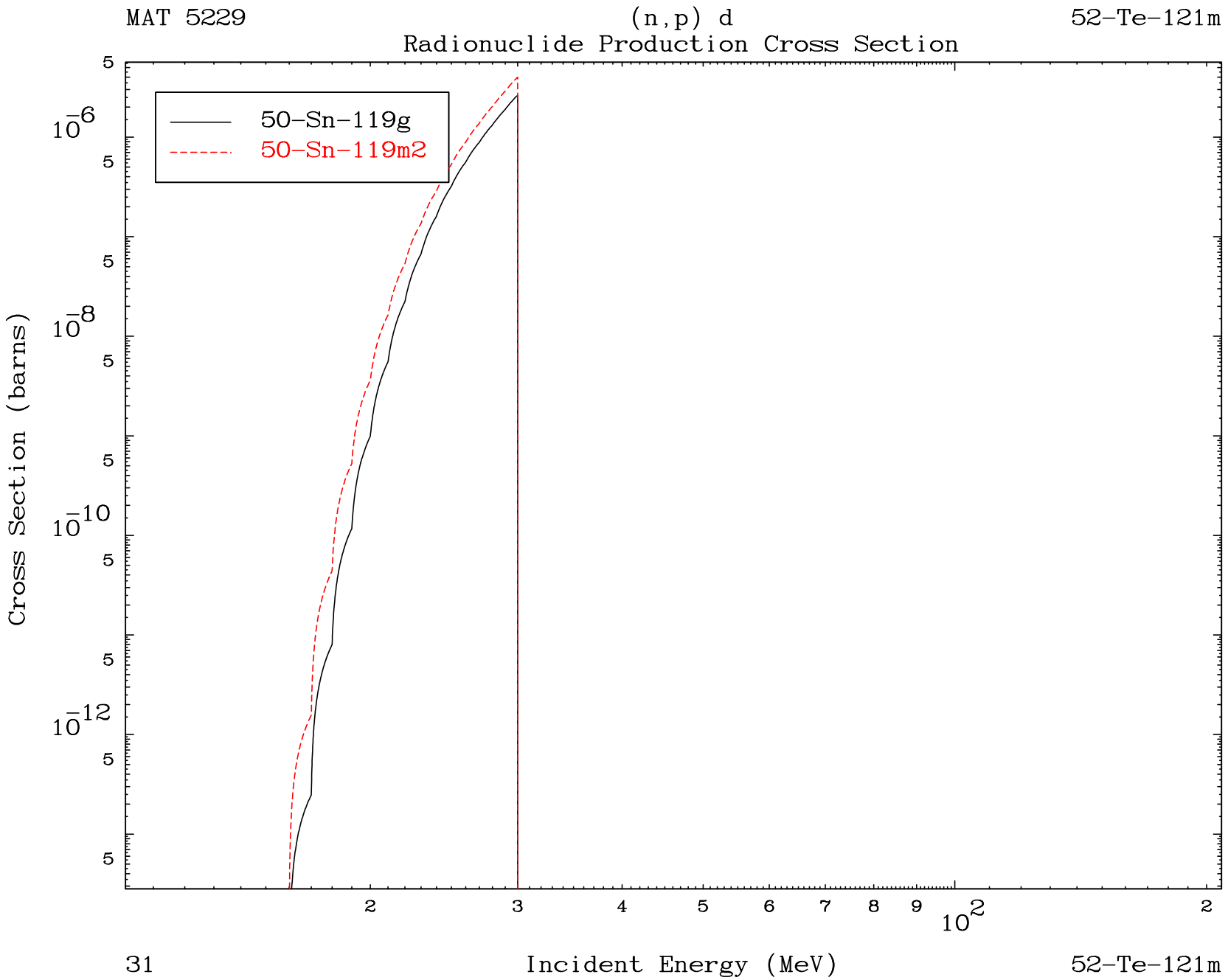

MAT 5229
(n,2n) p
52-Te-121m
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
Incident Energy (MeV)
26
52-Te-121m

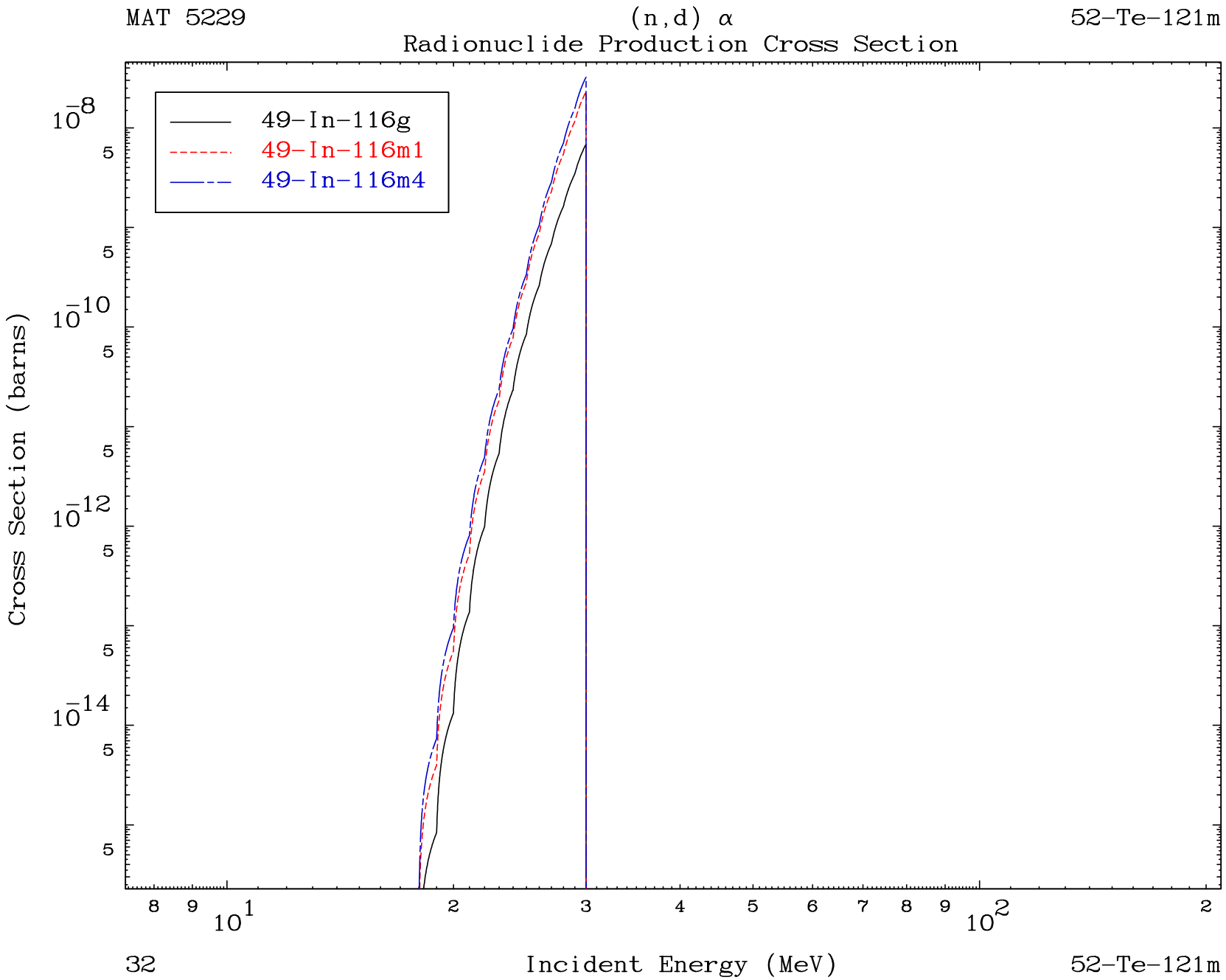

MAT 5229
(n,n') p α
52-Te-121m
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
52-Te-121m


MAT 5229
(n,d)
52-Te-121m
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m4
Cross Section (barns)
Incident Energy (MeV)
28
52-Te-121m


MAT 5229
(n,He-3)
52-Te-121m
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
52-Te-121m


MAT 5229
(n,p) α
52-Te-121m
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
30
52-Te-121m


MAT 5229
(n,p) d
52-Te-121m
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
Incident Energy (MeV)
31
52-Te-121m


MAT 5229
(n,d) α
52-Te-121m
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
32
52-Te-121m