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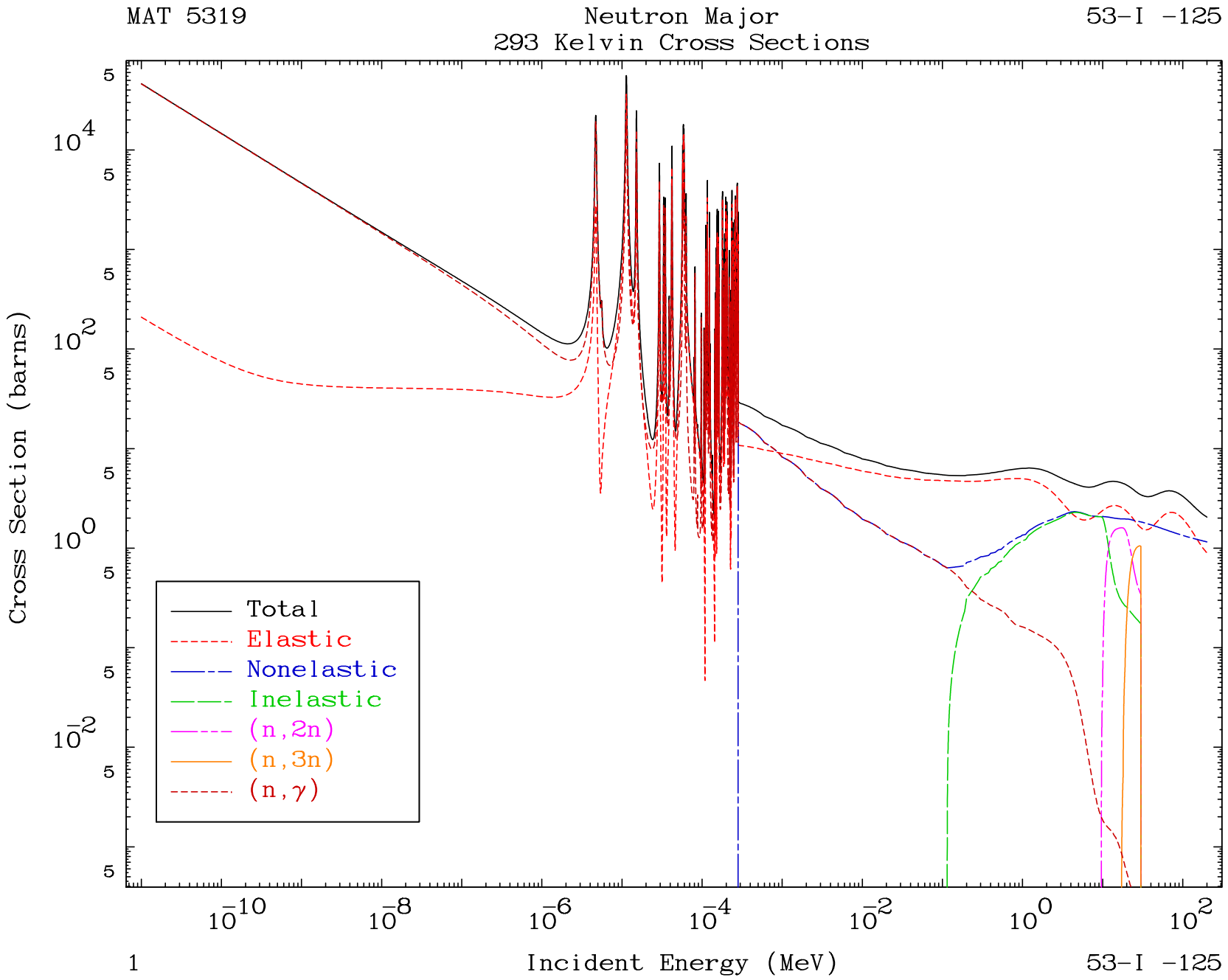
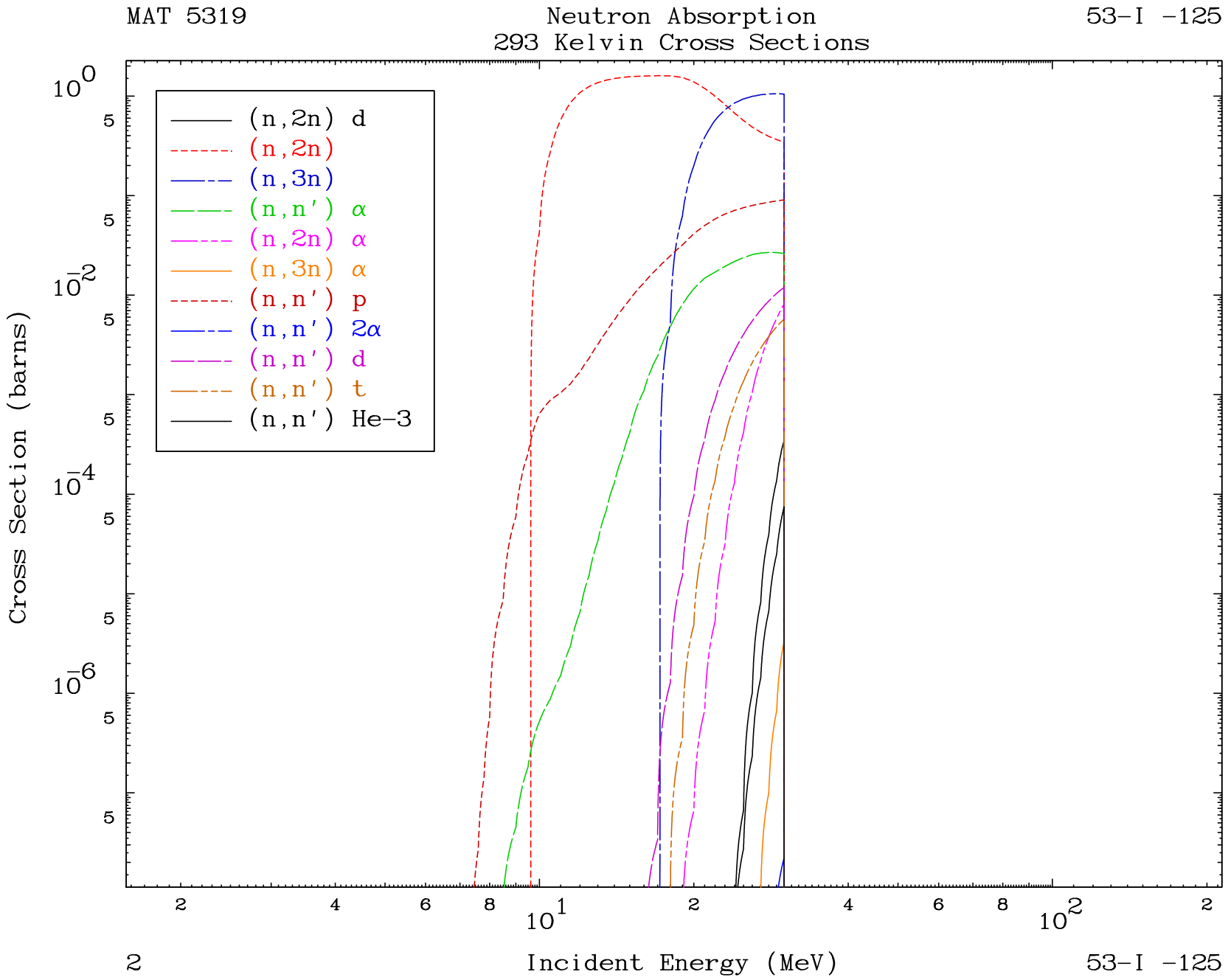
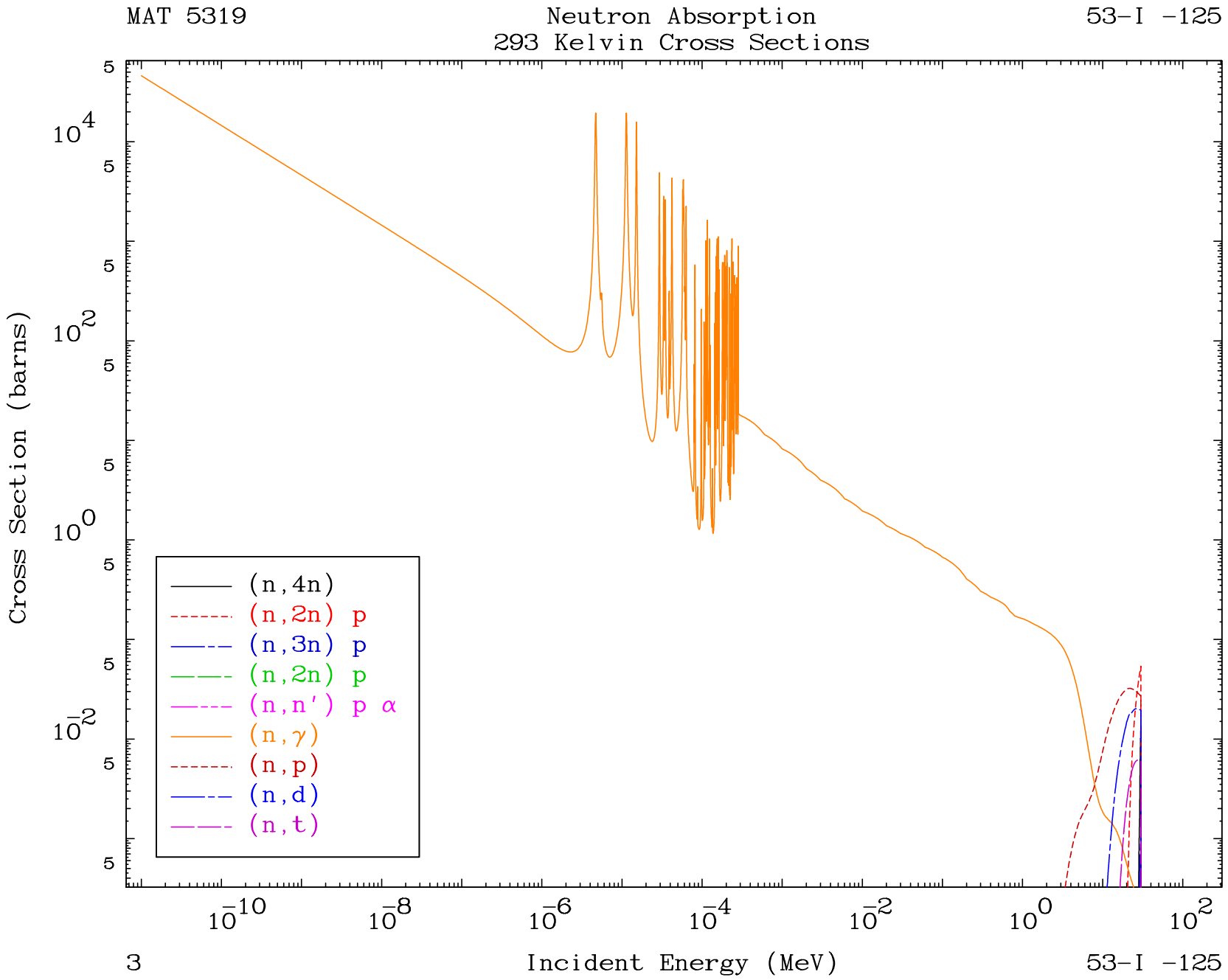
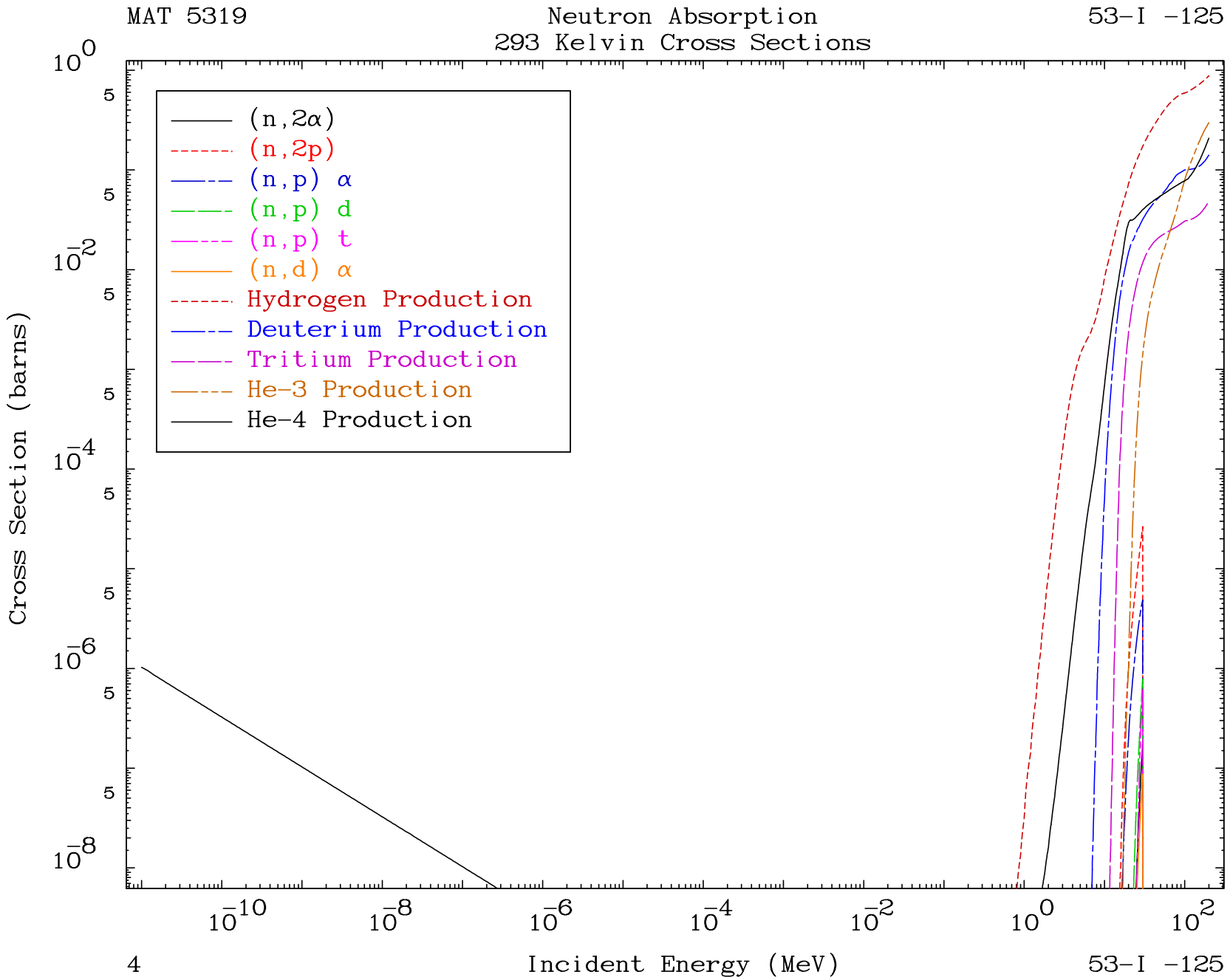
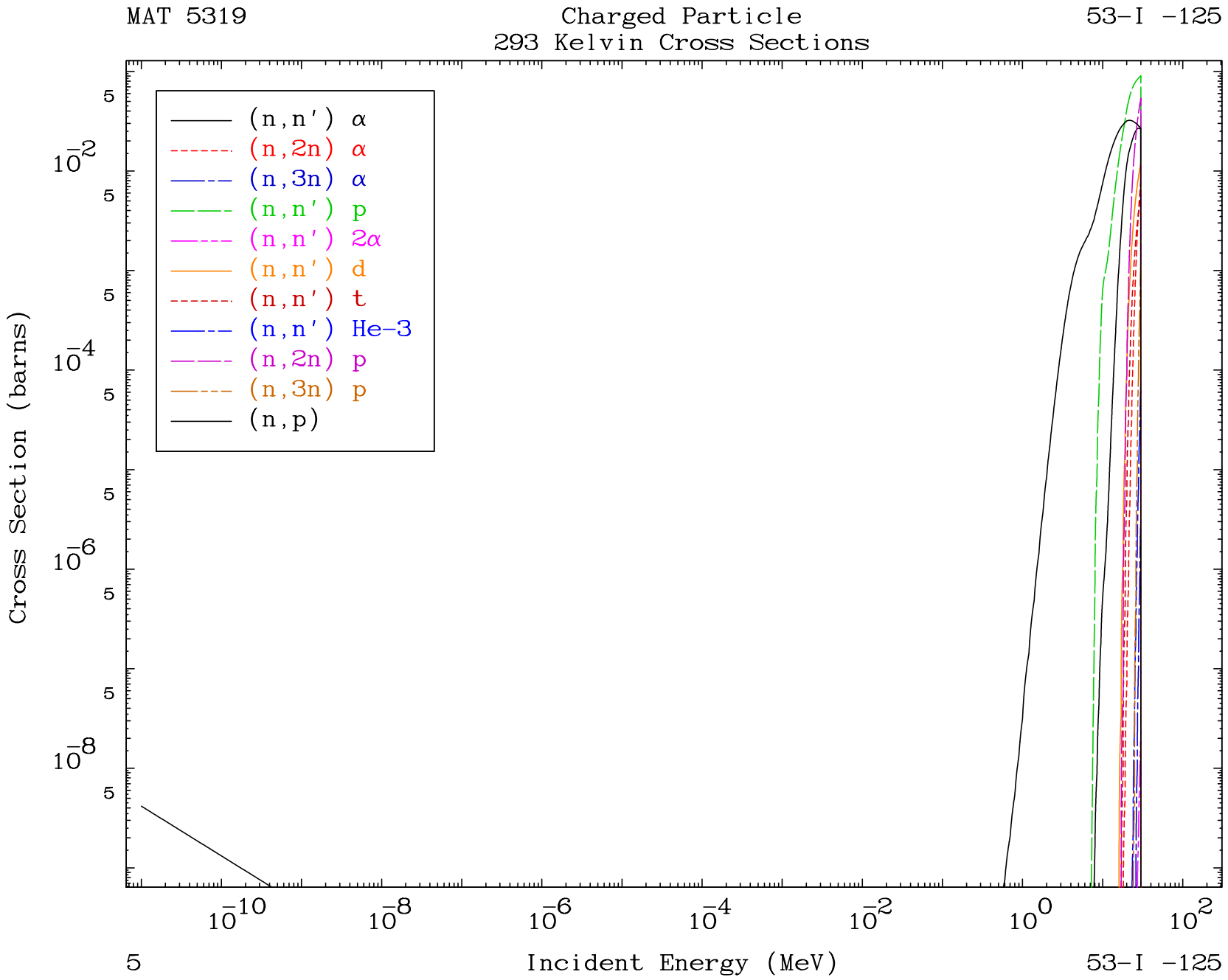
Press Mouse Button to Start

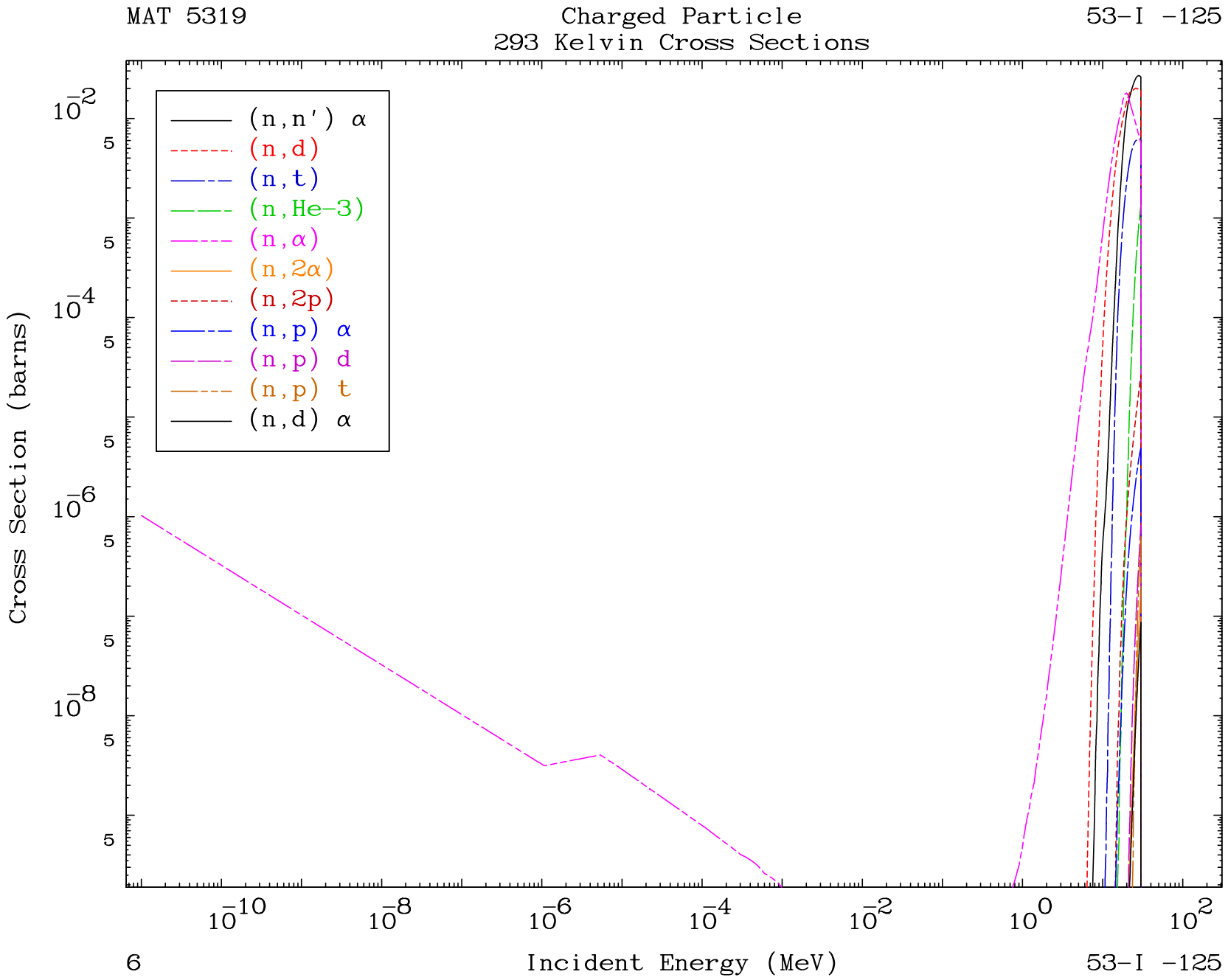

MAT 5319
Neutron Major
53-I -125
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
53-I -125

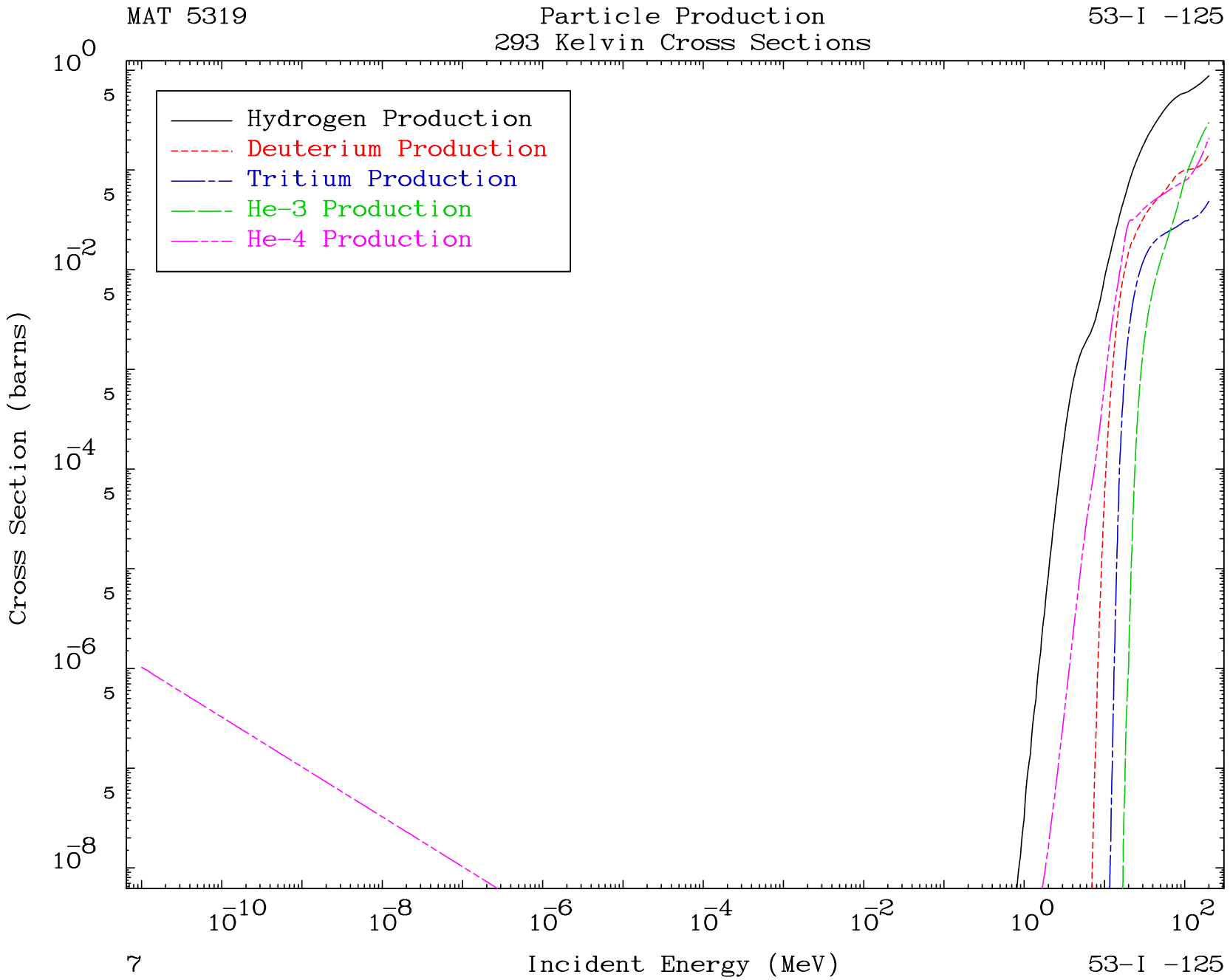

MAT 5319
Neutron Absorption
293 Kelvin Cross Sections
53-I -125
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
53-I -125

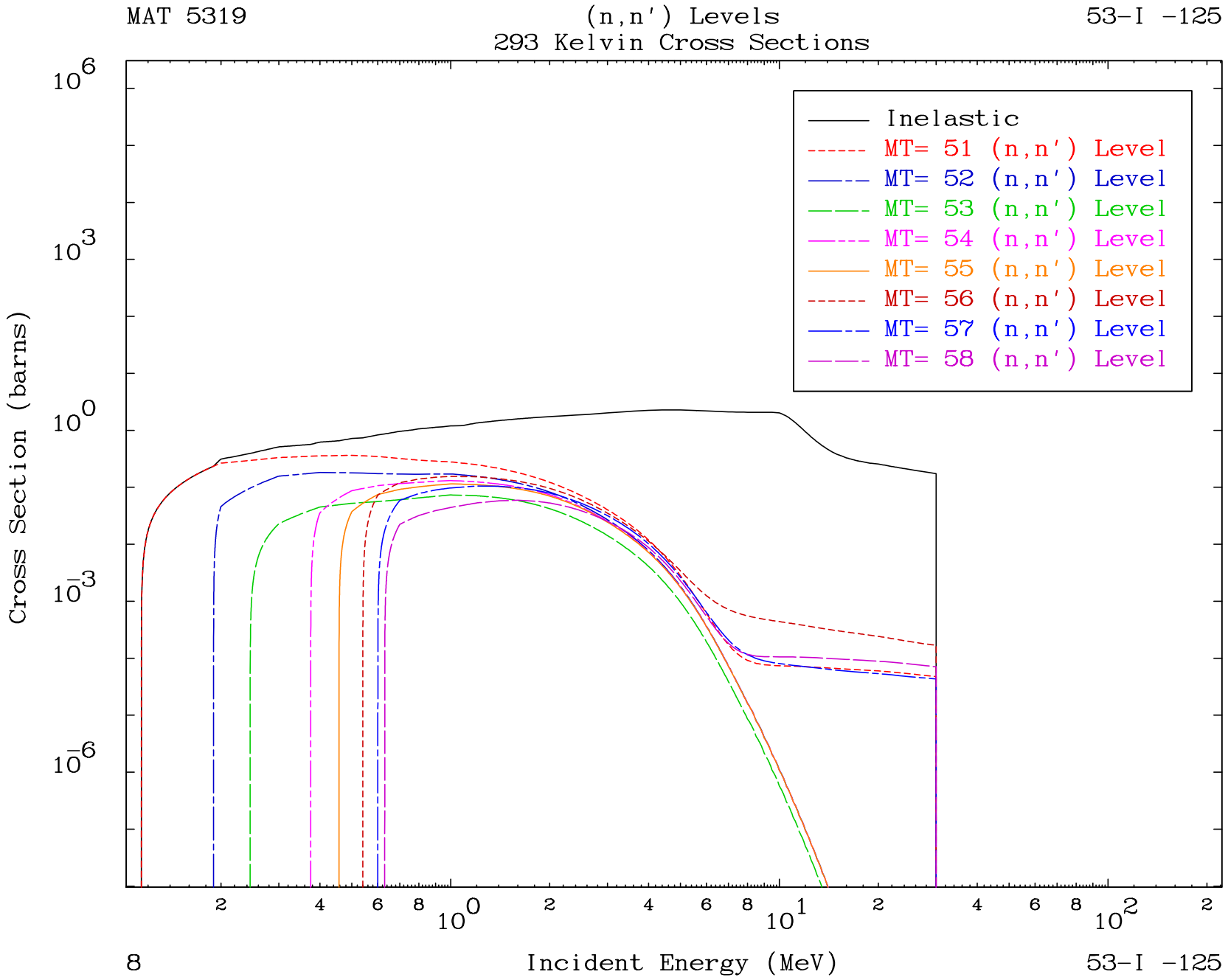

MAT 5319
Neutron Absorption
293 Kelvin Cross Sections
53-I -125
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
3
53-I -125

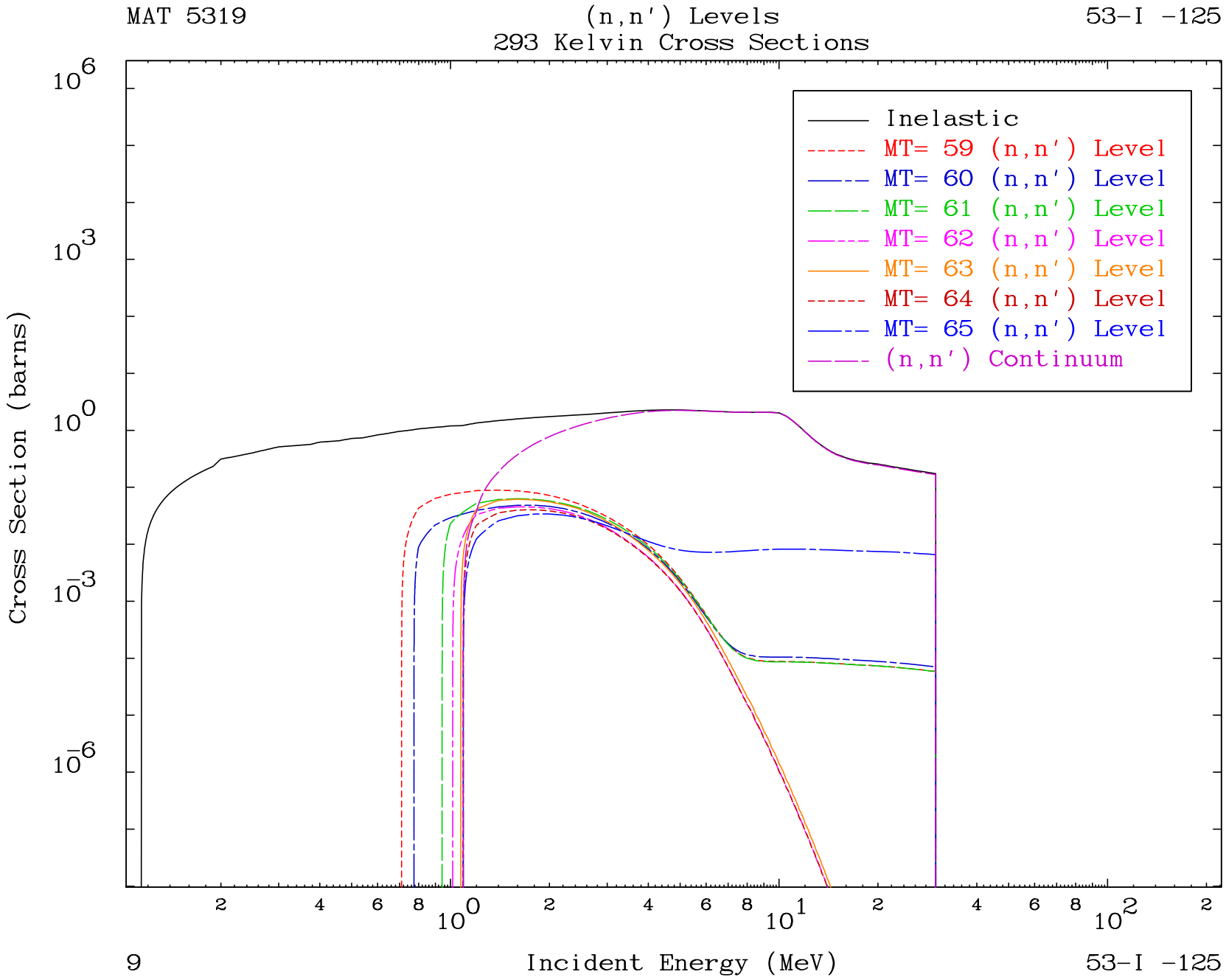

MAT 5319
Neutron Absorption
293 Kelvin Cross Sections
53-I -125
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
53-I -125

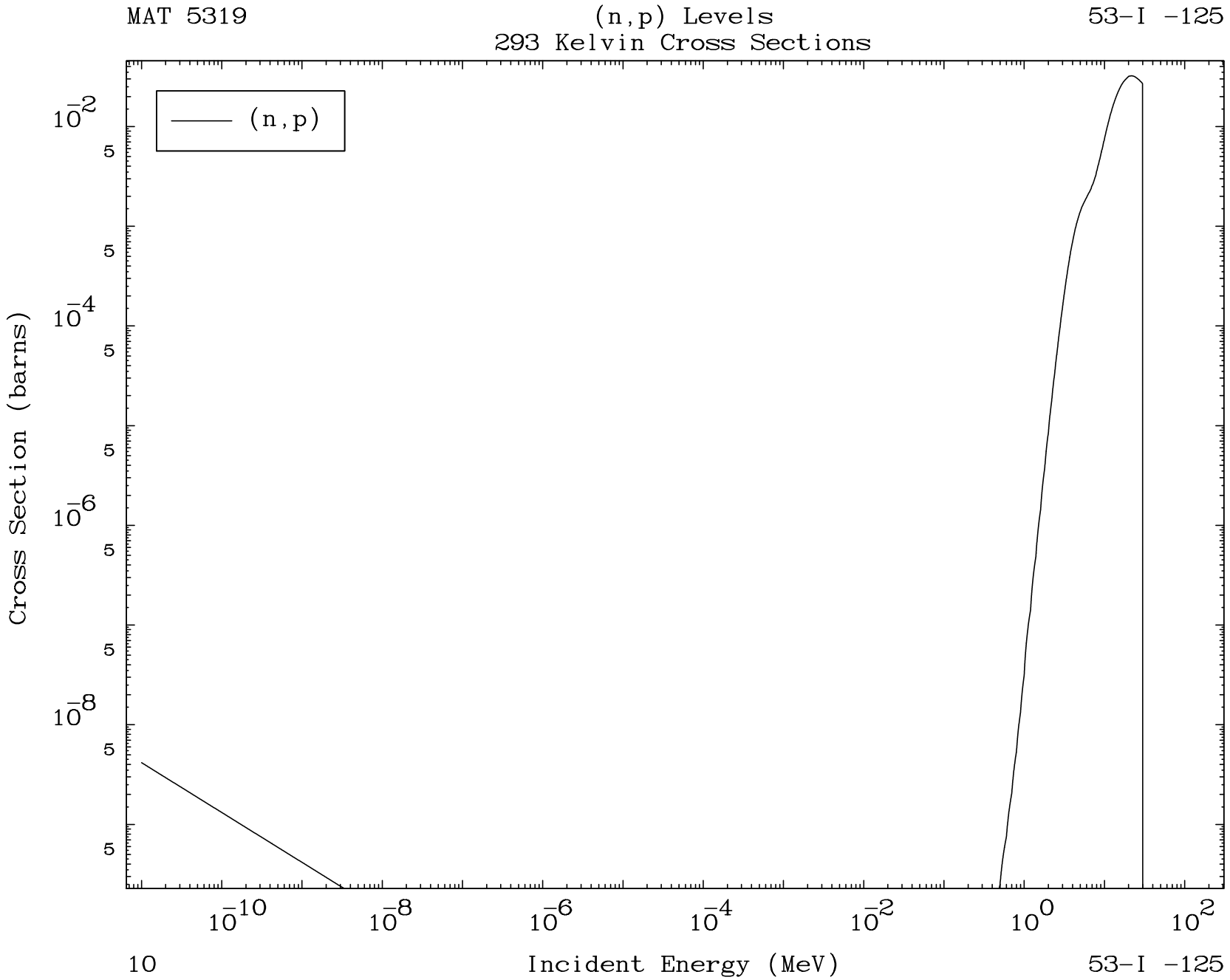

MAT 5319
Charged Particle
293 Kelvin Cross Sections
53-I -125
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
53-I -125


MAT 5319
Charged Particle
293 Kelvin Cross Sections
53-I -125
(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
53-I -125

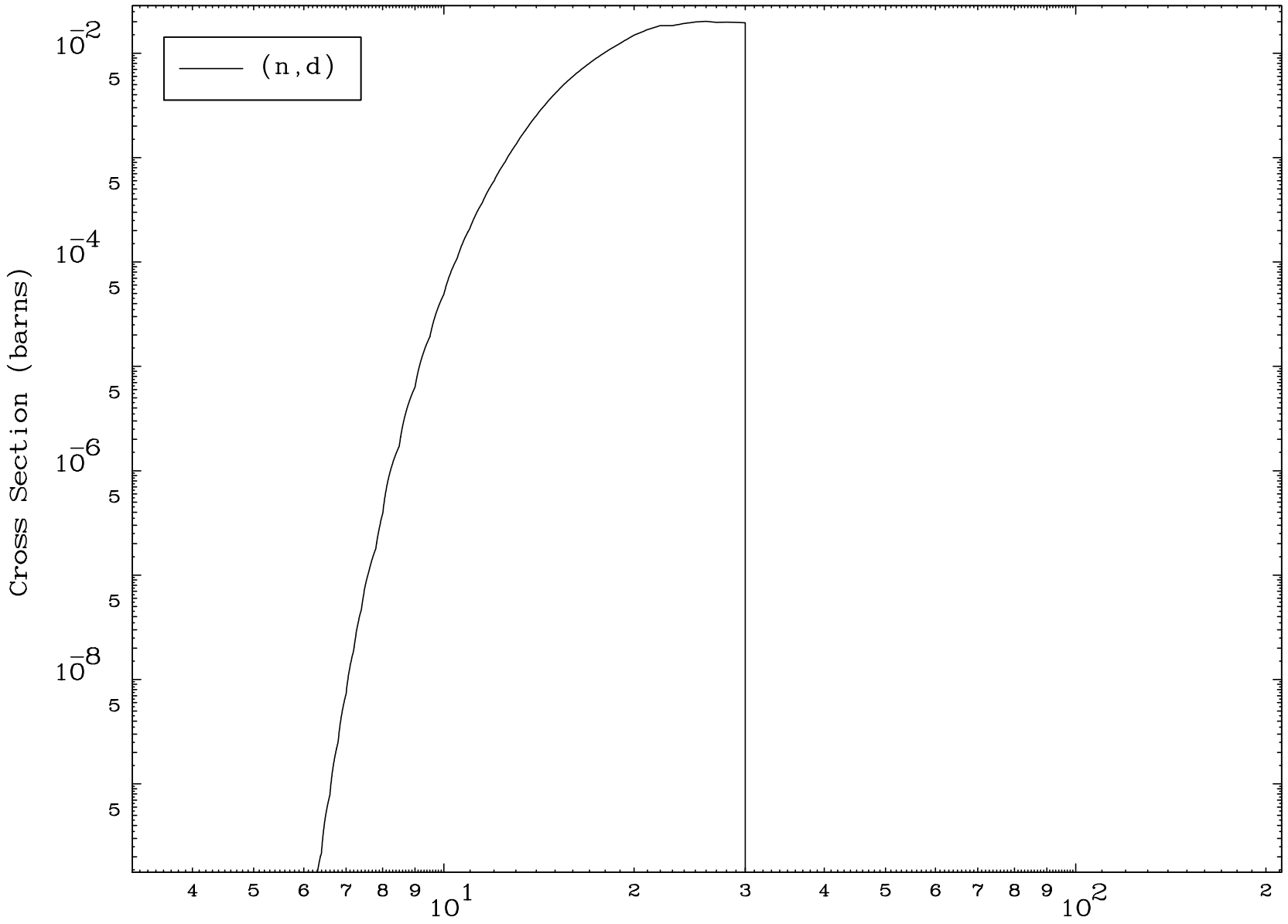

MAT 5319
Particle Production
293 Kelvin Cross Sections
53-I -125
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
53-I -125


MAT 5319
(n,n') Levels
293 Kelvin Cross Sections
53-I -125
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)
8
53-I -125

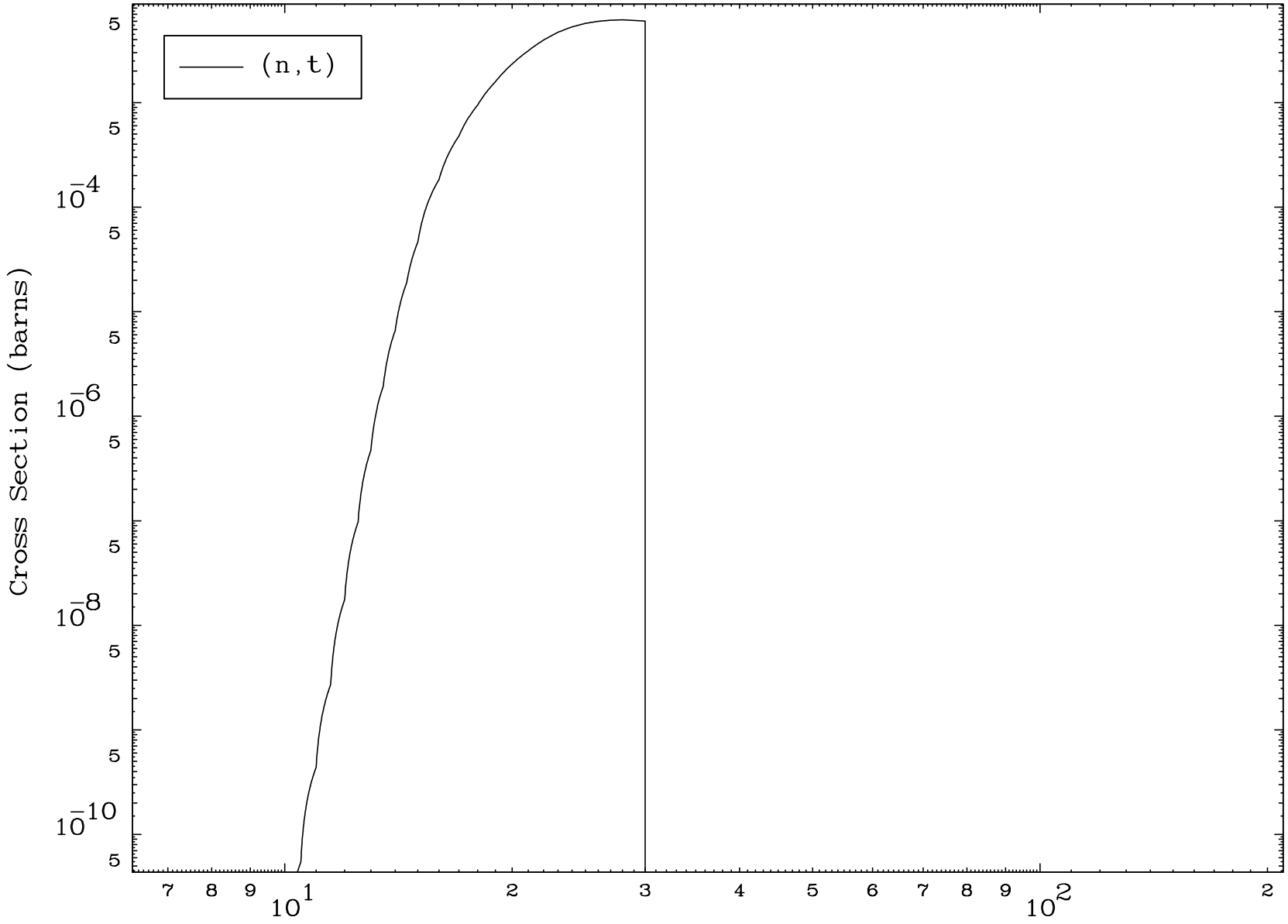

MAT 5319
(n,n') Levels
293 Kelvin Cross Sections
53-I -125
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
53-I -125


MAT 5319
(n,p) Levels
53-I -125
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10
53-I -125

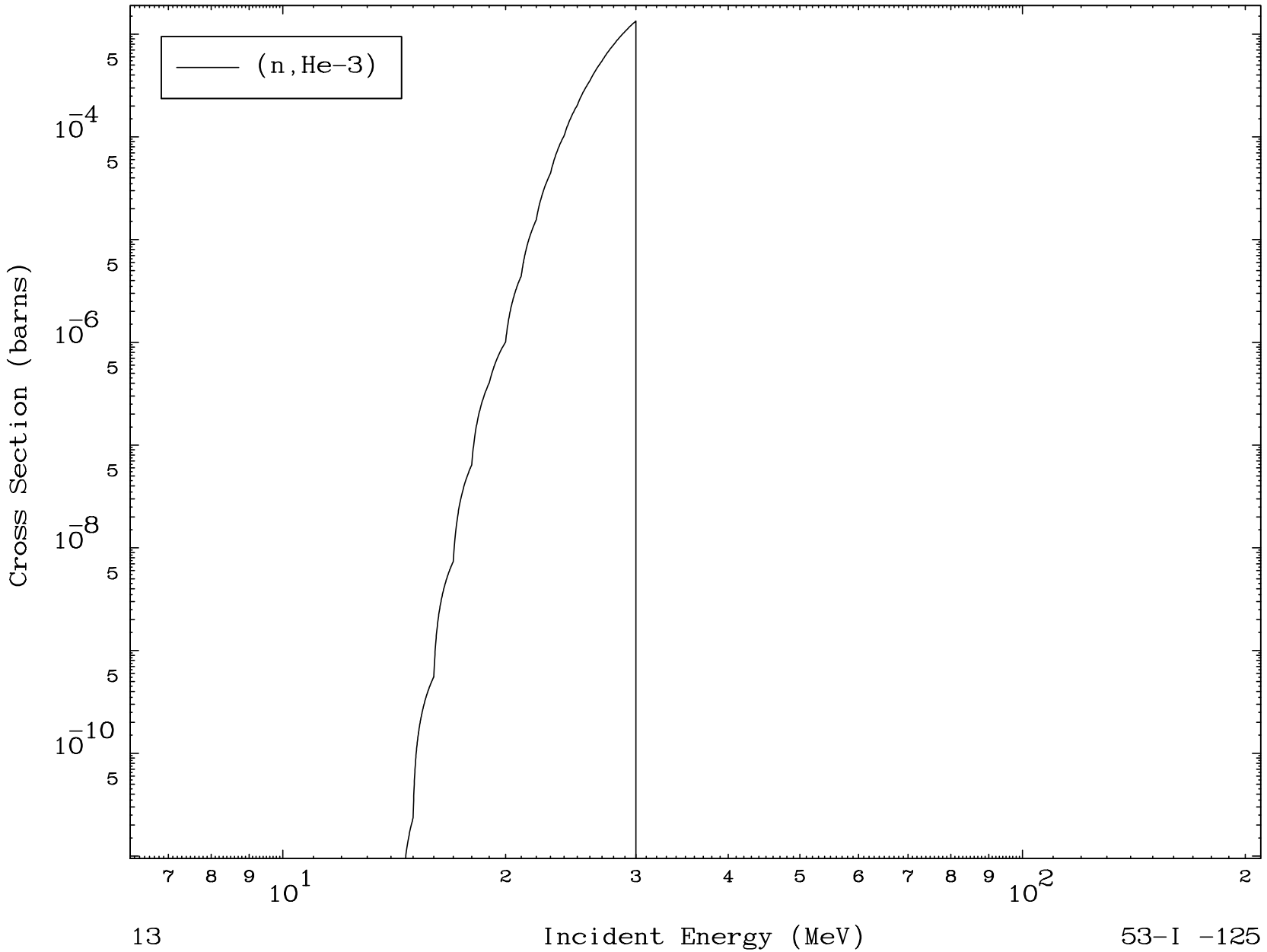
293 Kelvin Cross Sections

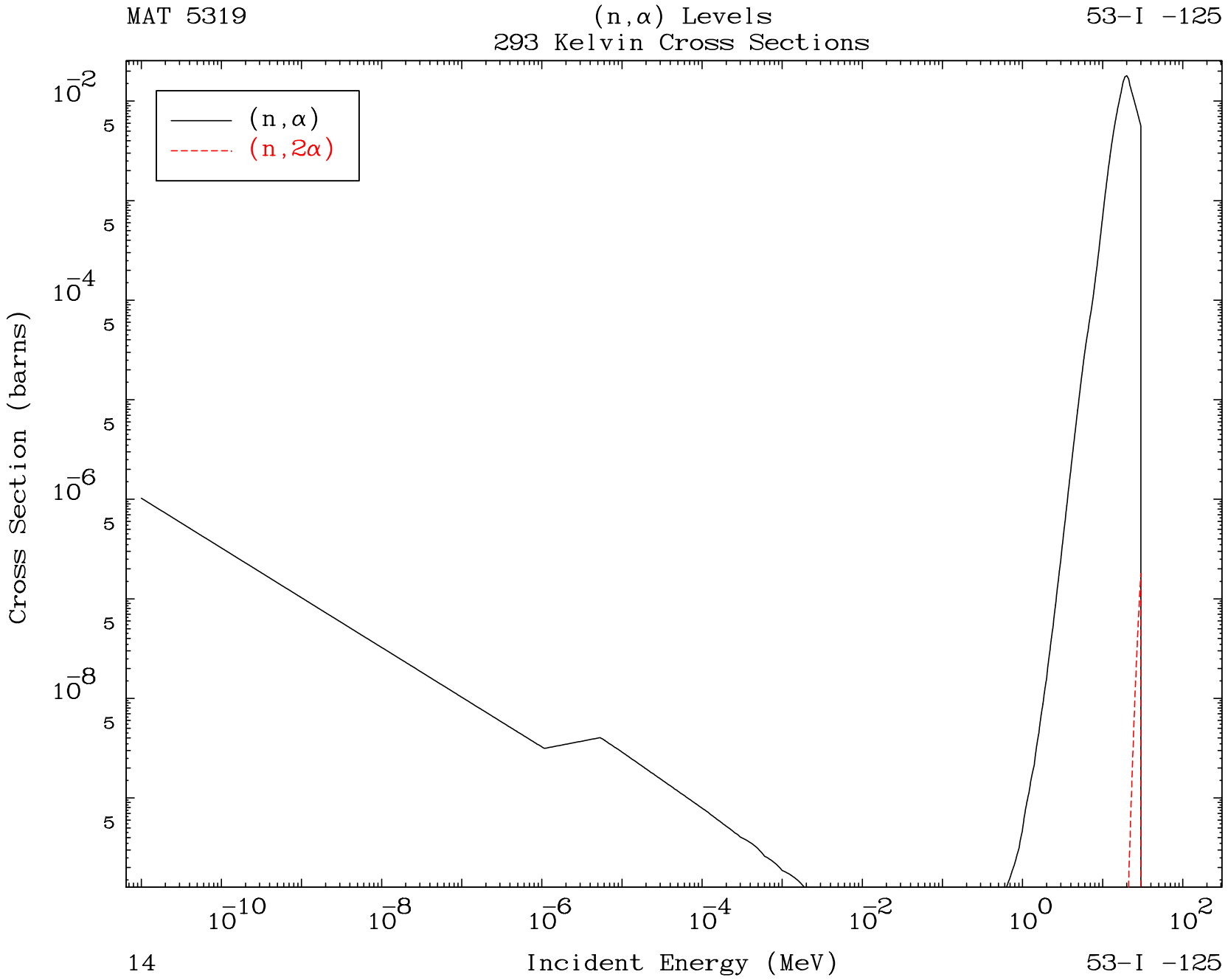


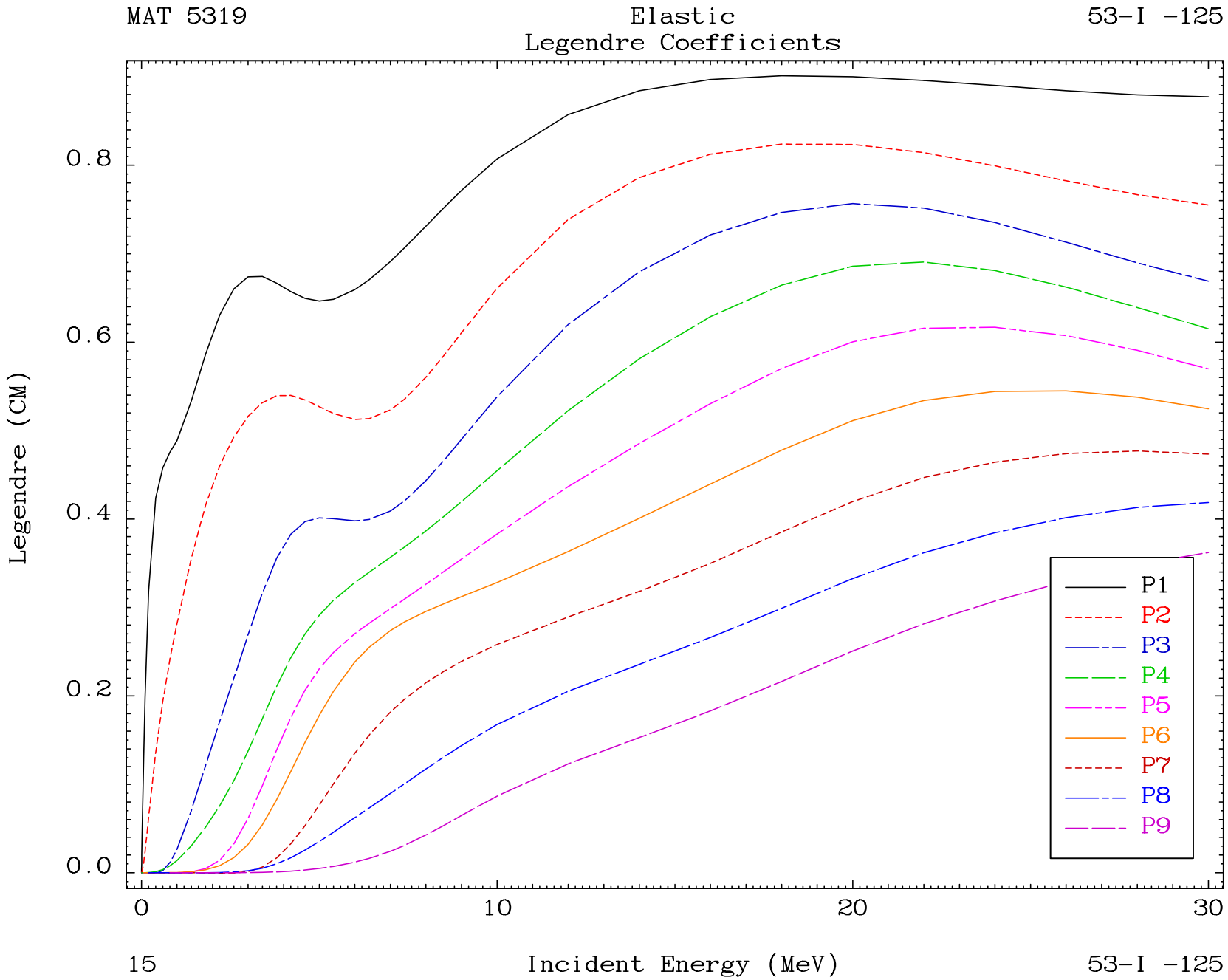
293 Kelvin Cross Sections

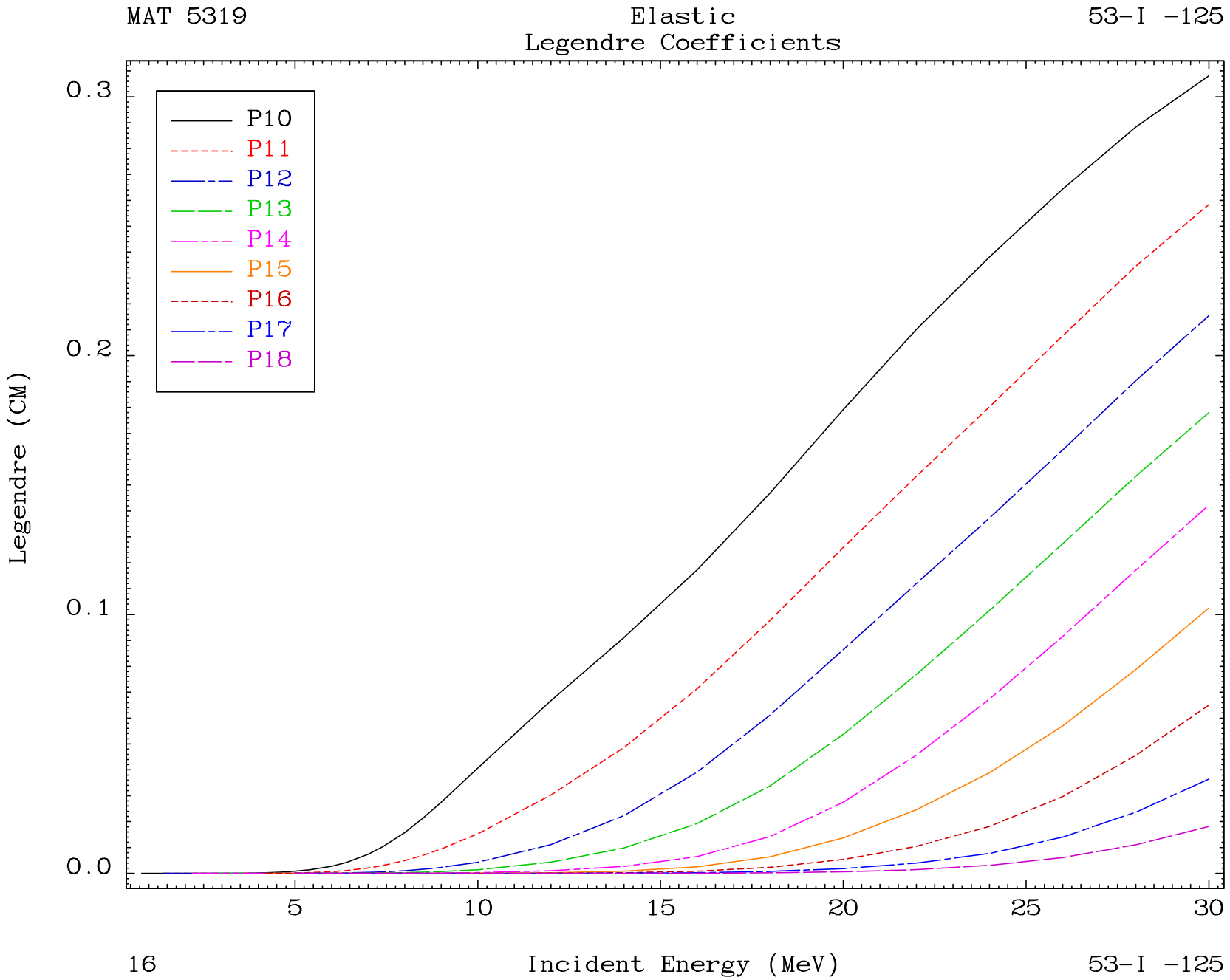


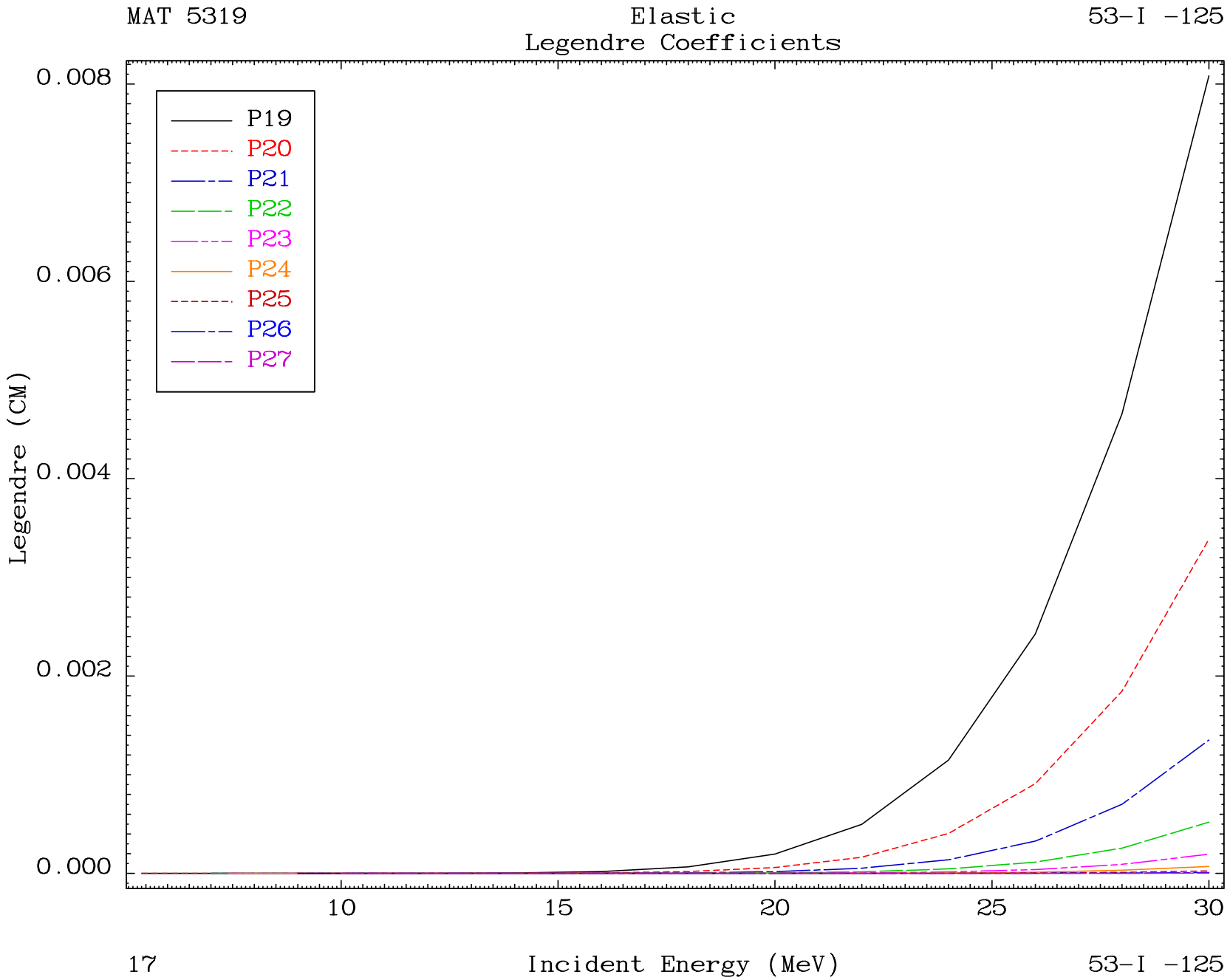
293 Kelvin Cross Sections

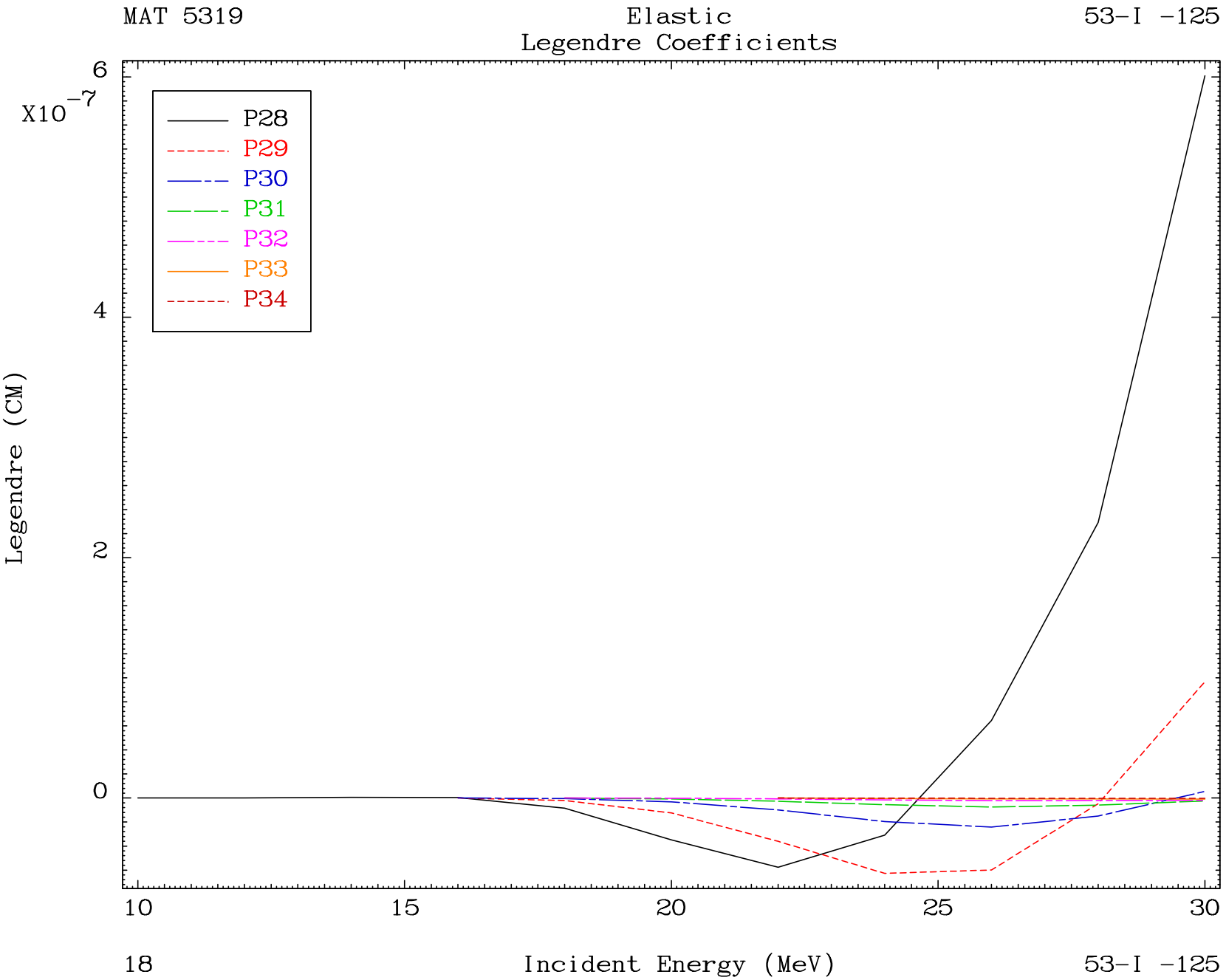


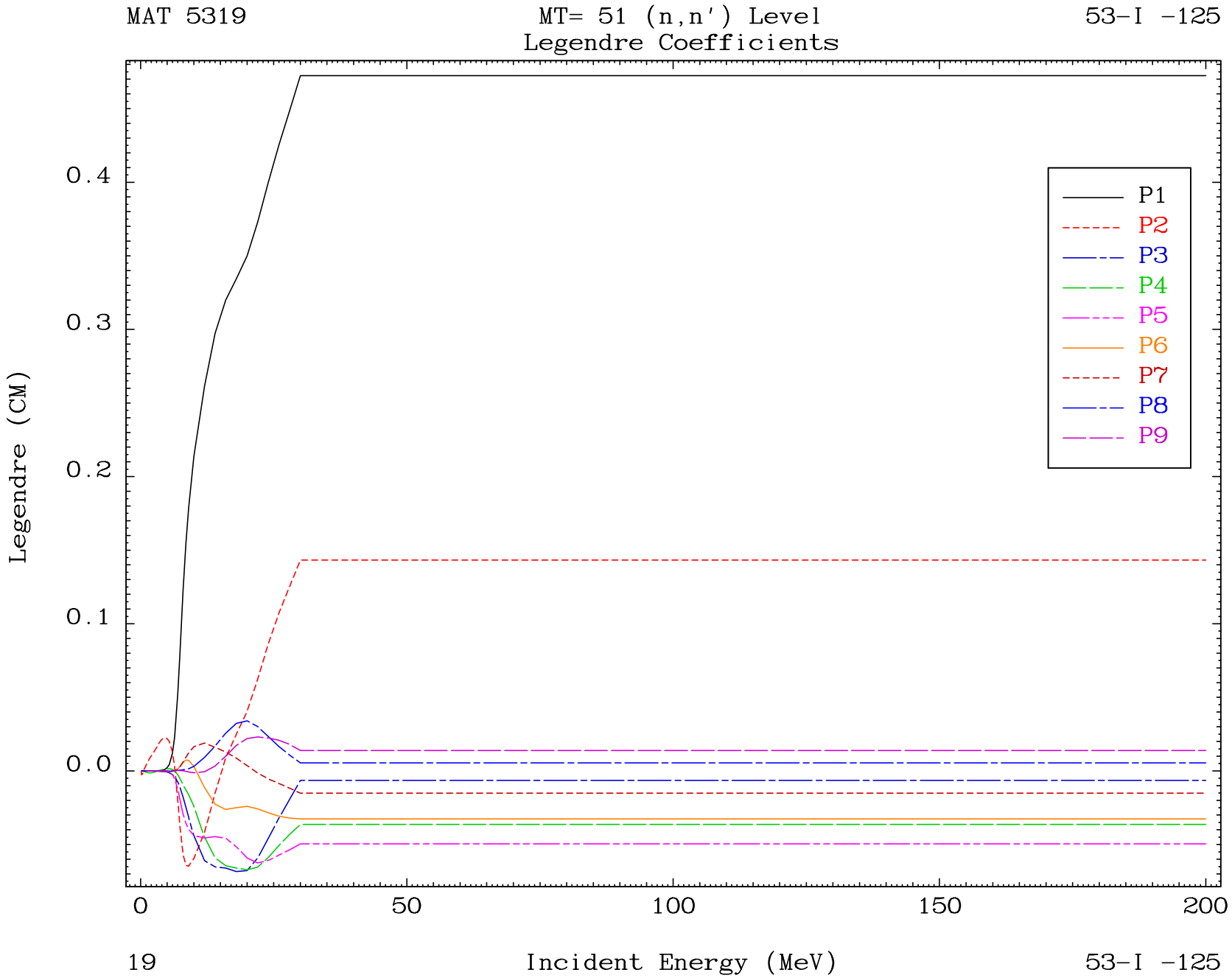

MAT 5319
(n,α) Levels
53-I -125
293 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
14
53-I -125

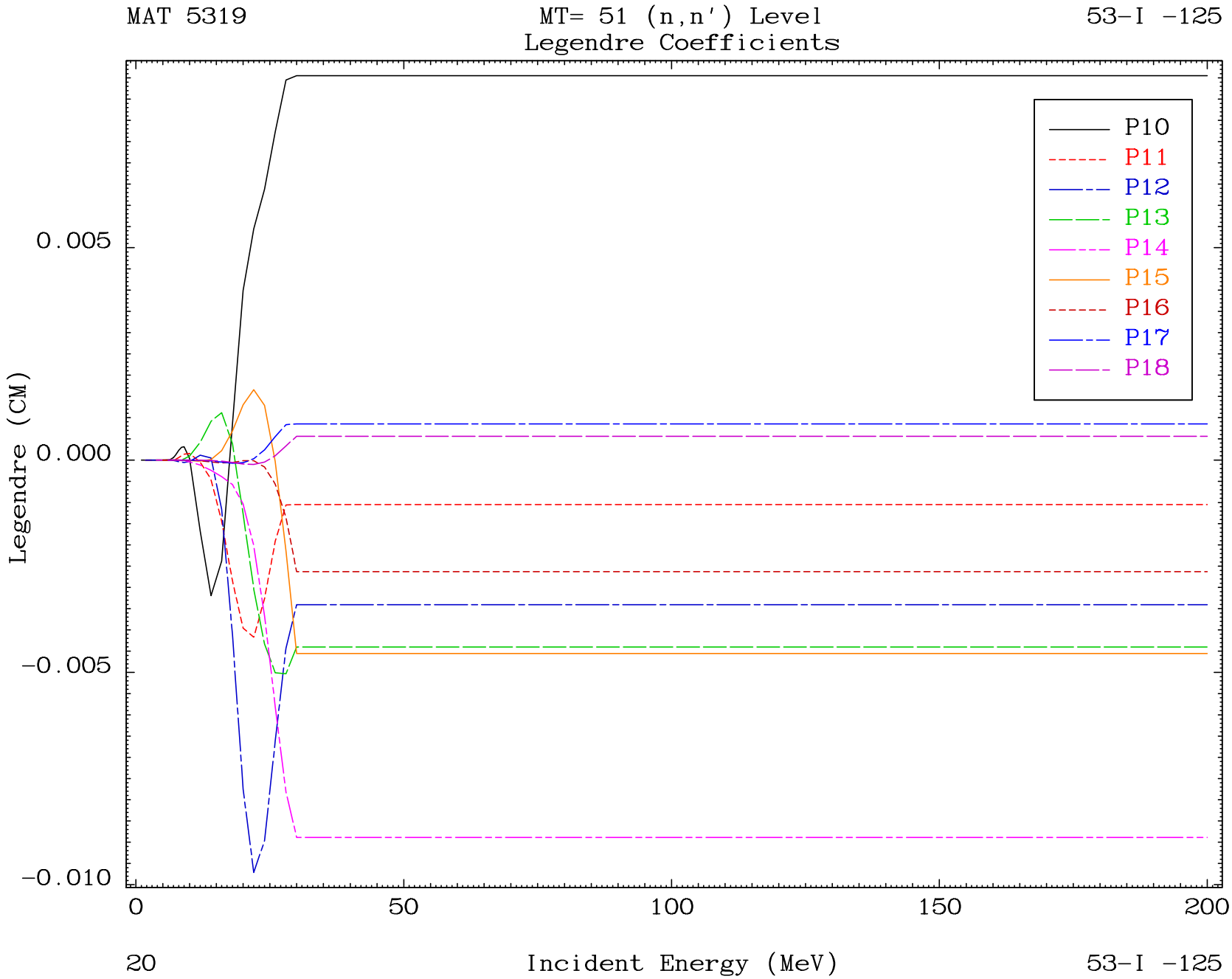

MAT 5319
Elastic
Legendre Coefficients
53-I -125
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
53-I -125
P1
P2
P3
P4
P5
P6
P7
P8
P9

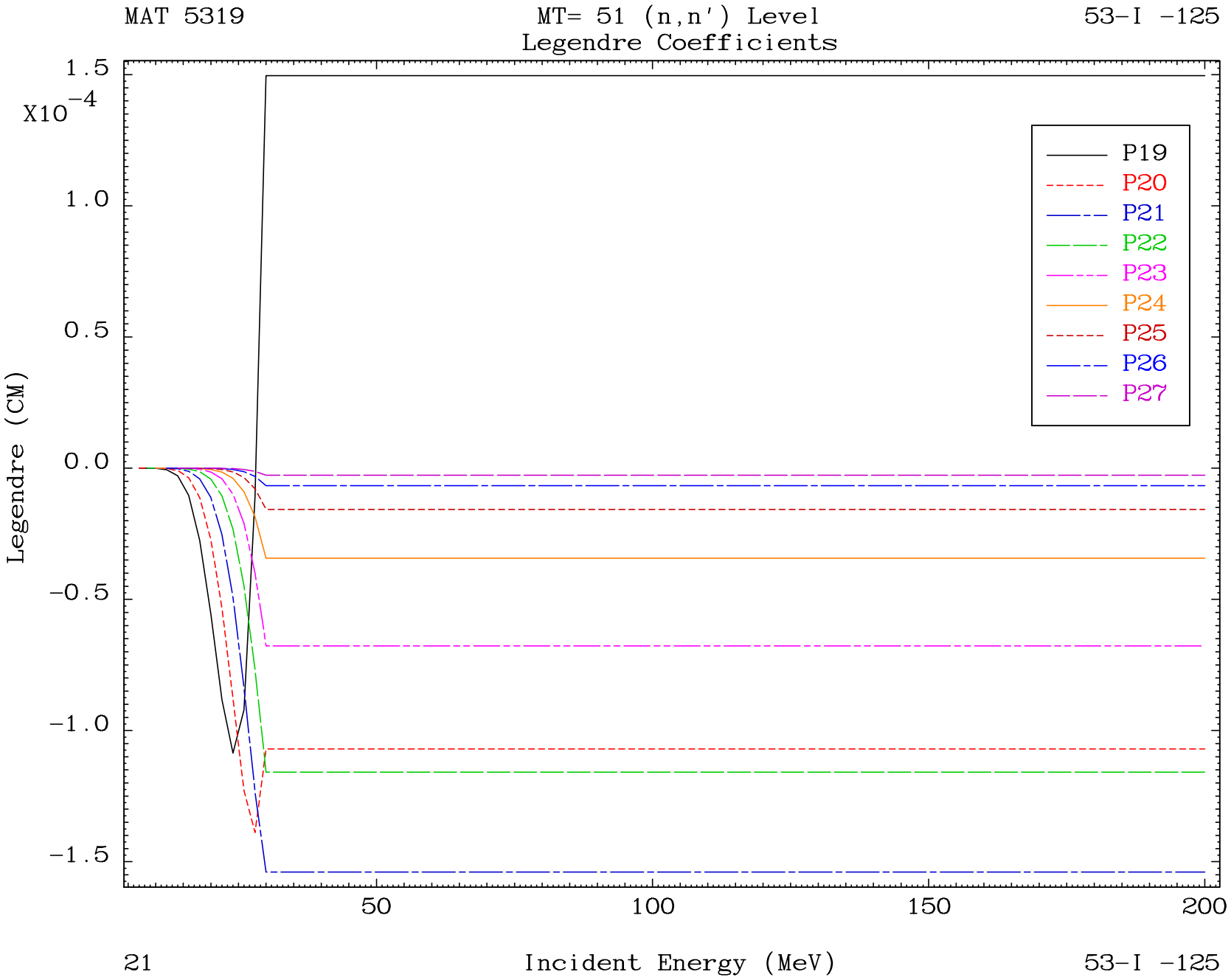

MAT 5319
Elastic
Legendre Coefficients
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.3
0.2
0.1
0.0
Legendre (CM)
5
10
15
20
25
30
16
Incident Energy (MeV)
53-I -125

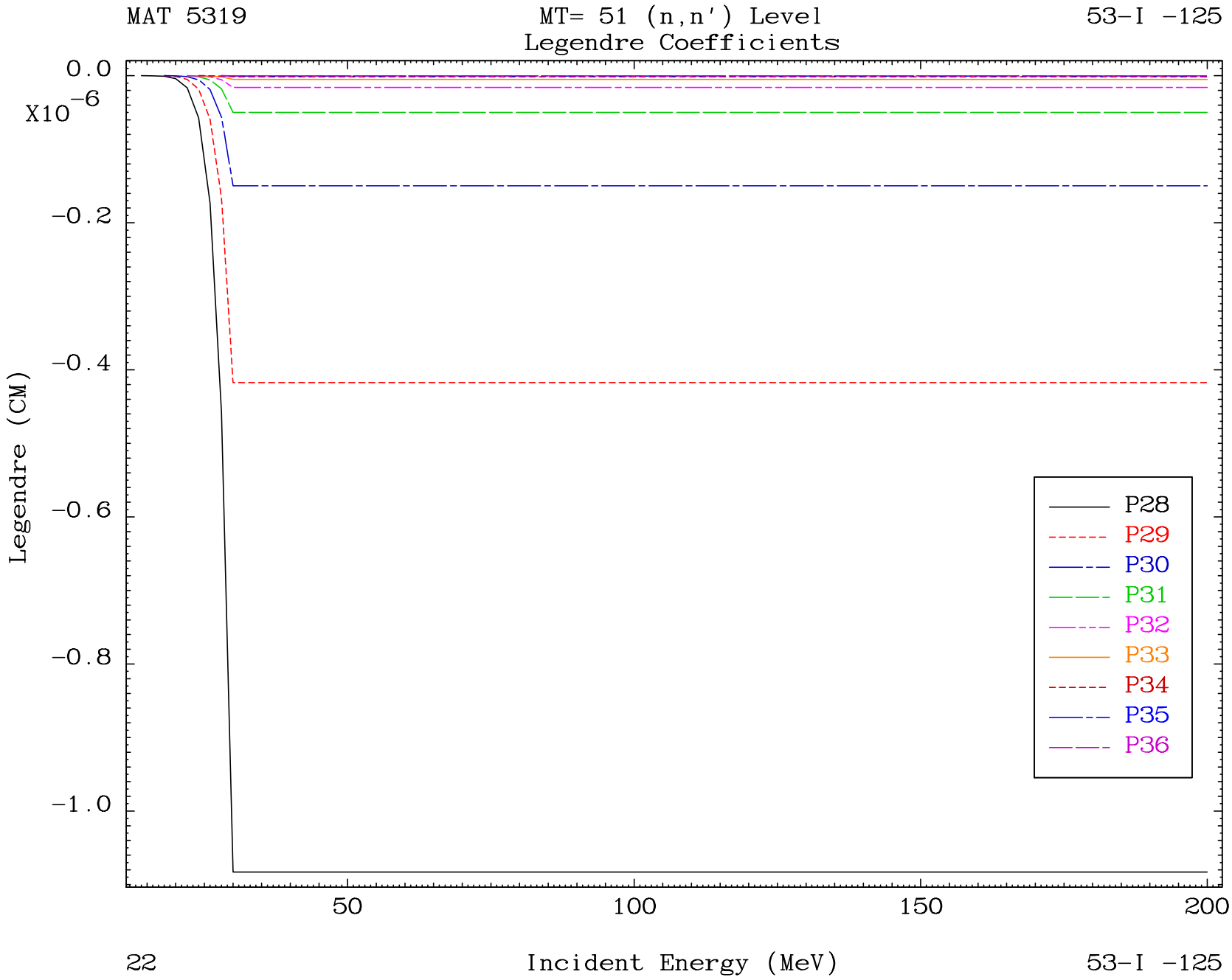

MAT 5319
Elastic
Legendre Coefficients
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
53-I -125

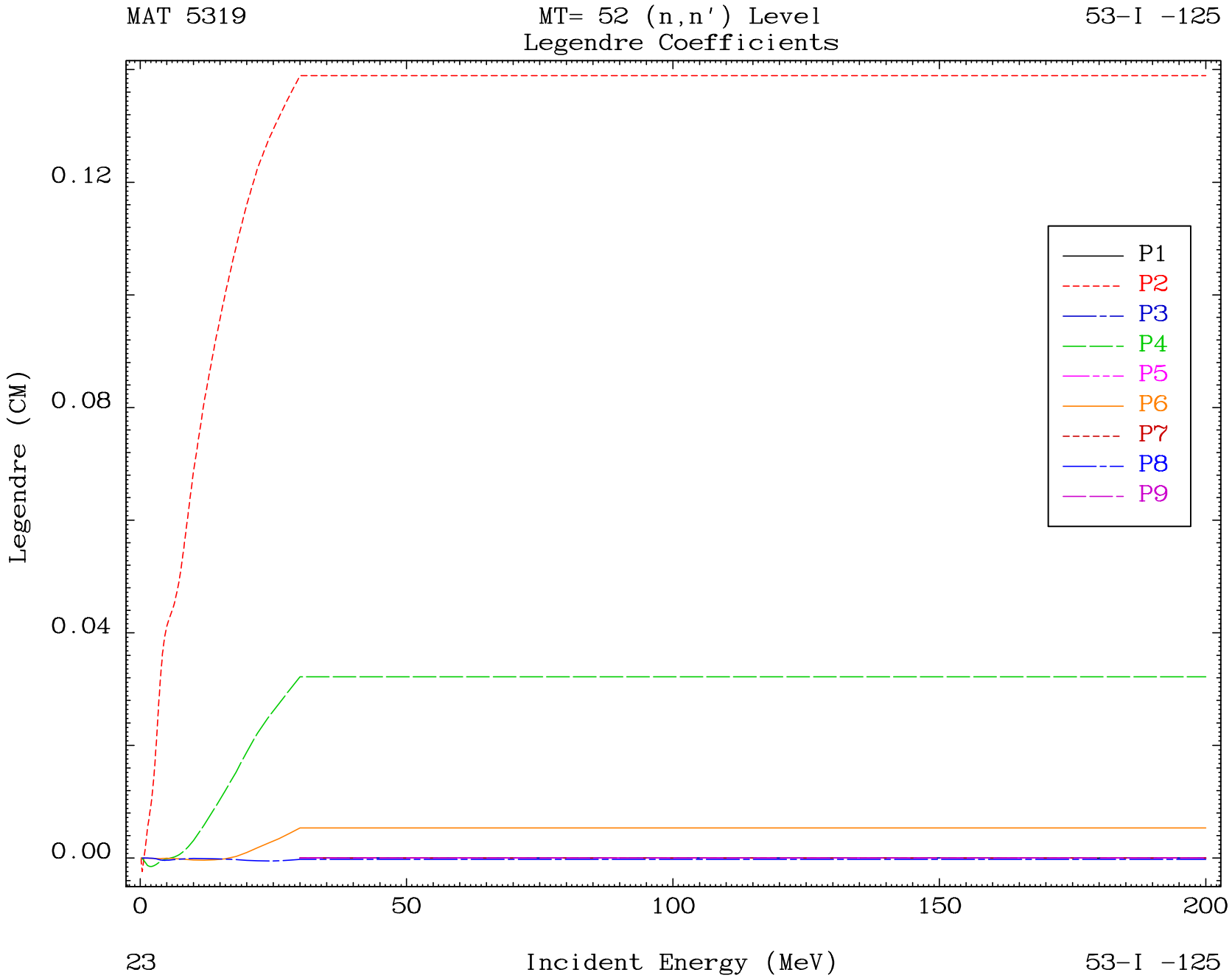

MAT 5319
Elastic
Legendre Coefficients
53-I -125
X10 -7
6
4
2
0
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
53-I -125

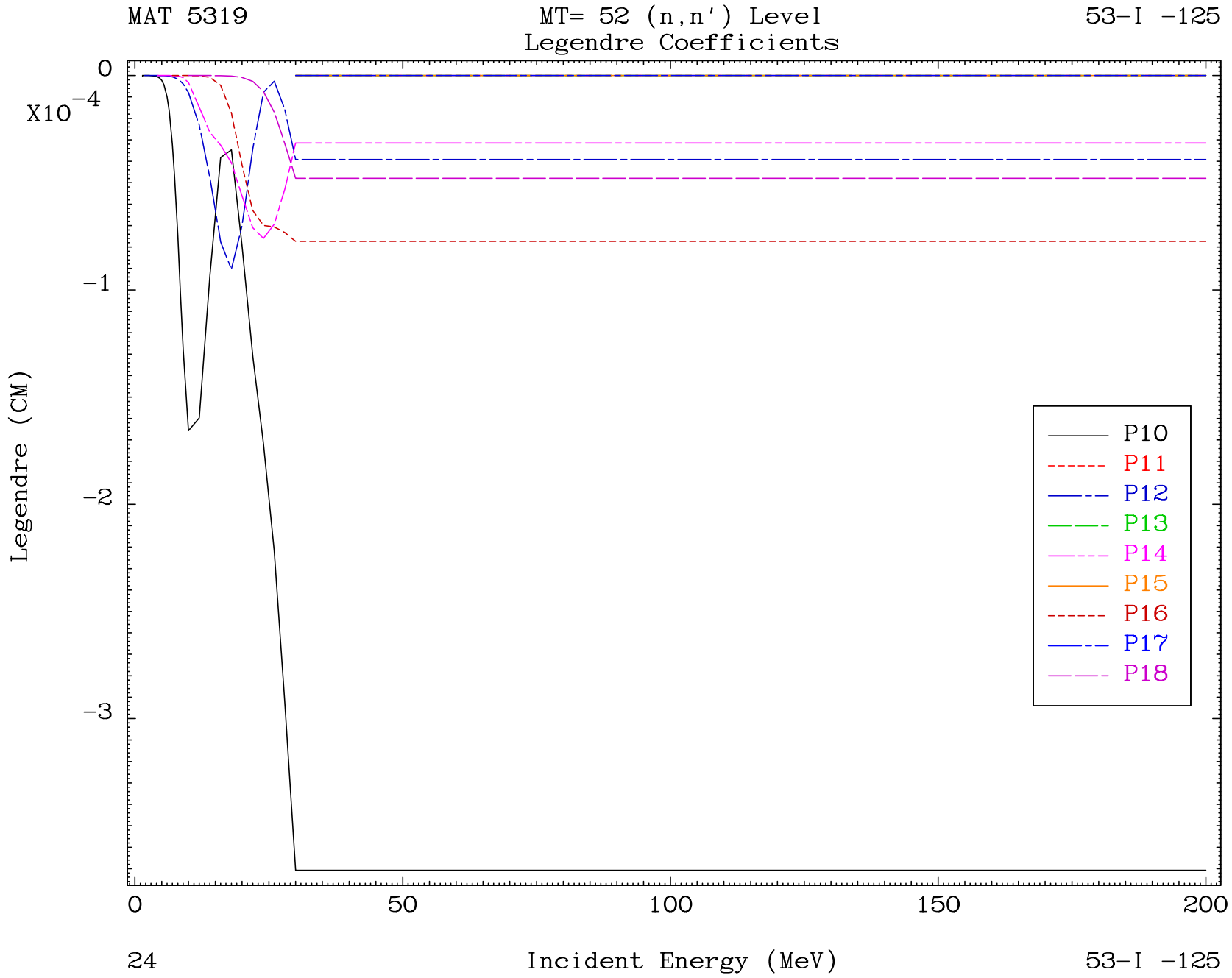

MAT 5319
MT= 51 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
19
Incident Energy (MeV)
53-I -125

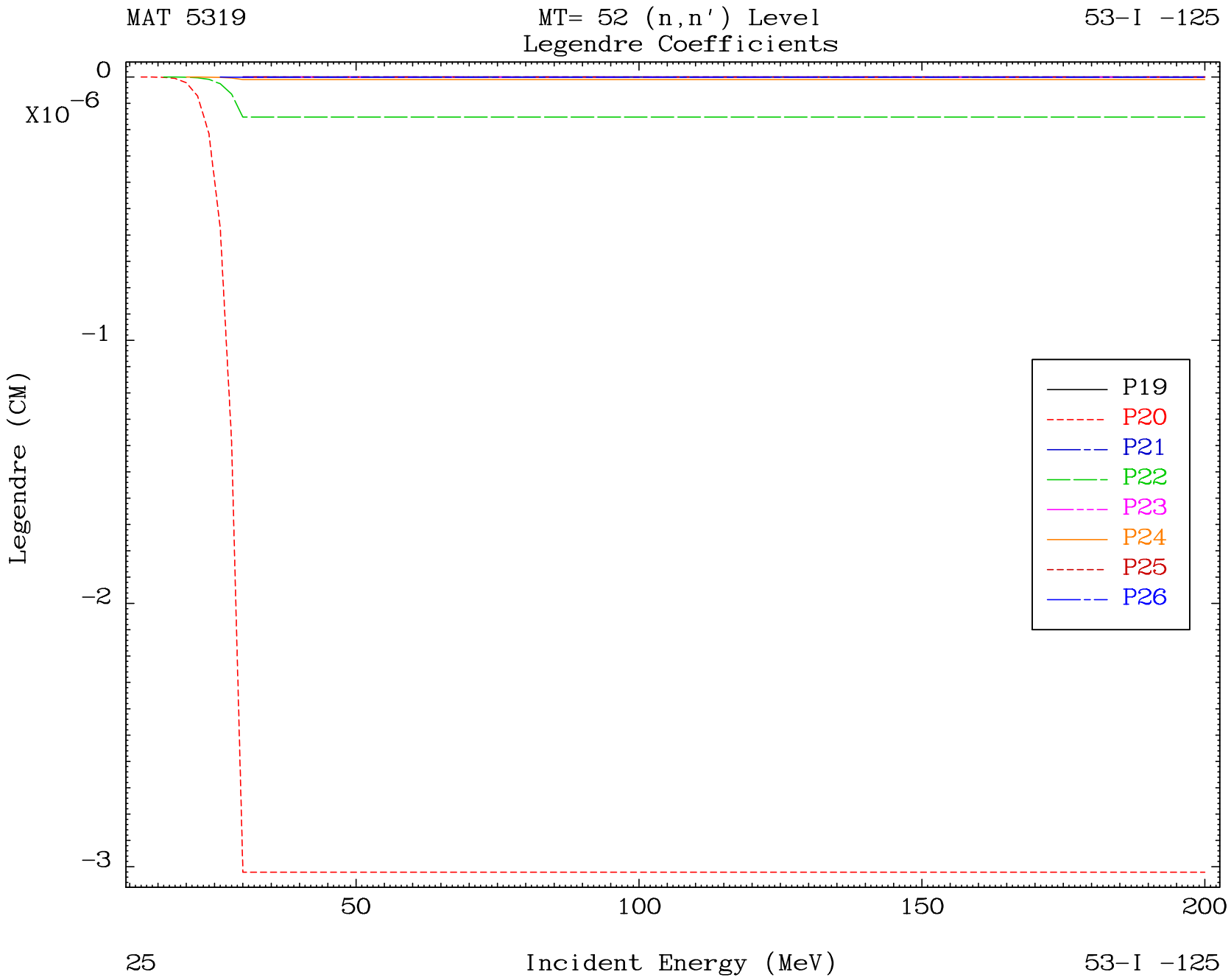

MAT 5319
MT= 51 (n,n') Level
Legendre Coefficients
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
53-I -125

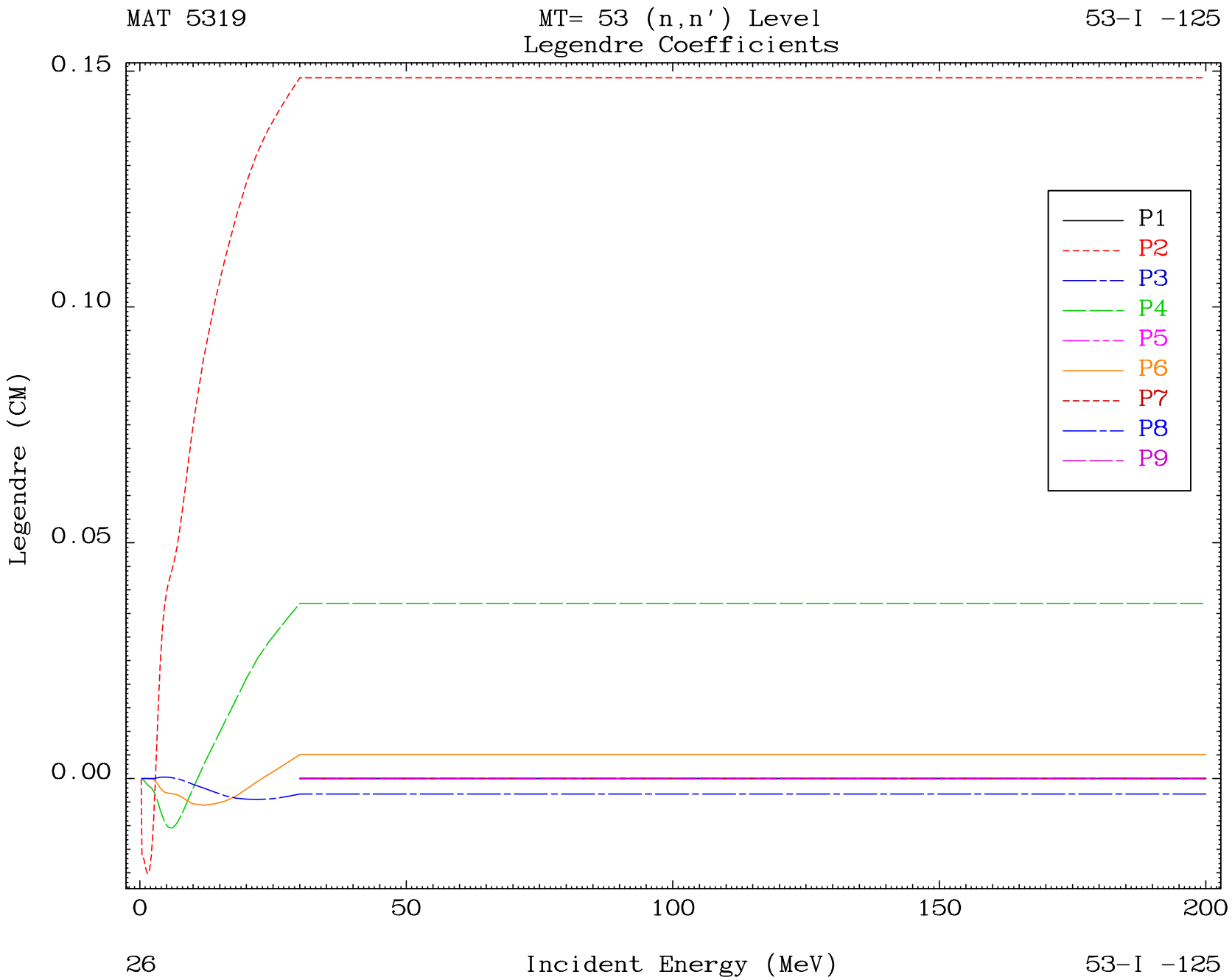

MAT 5319
MT= 51 (n,n') Level
Legendre Coefficients
53-I -125
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
21
Incident Energy (MeV)
53-I -125

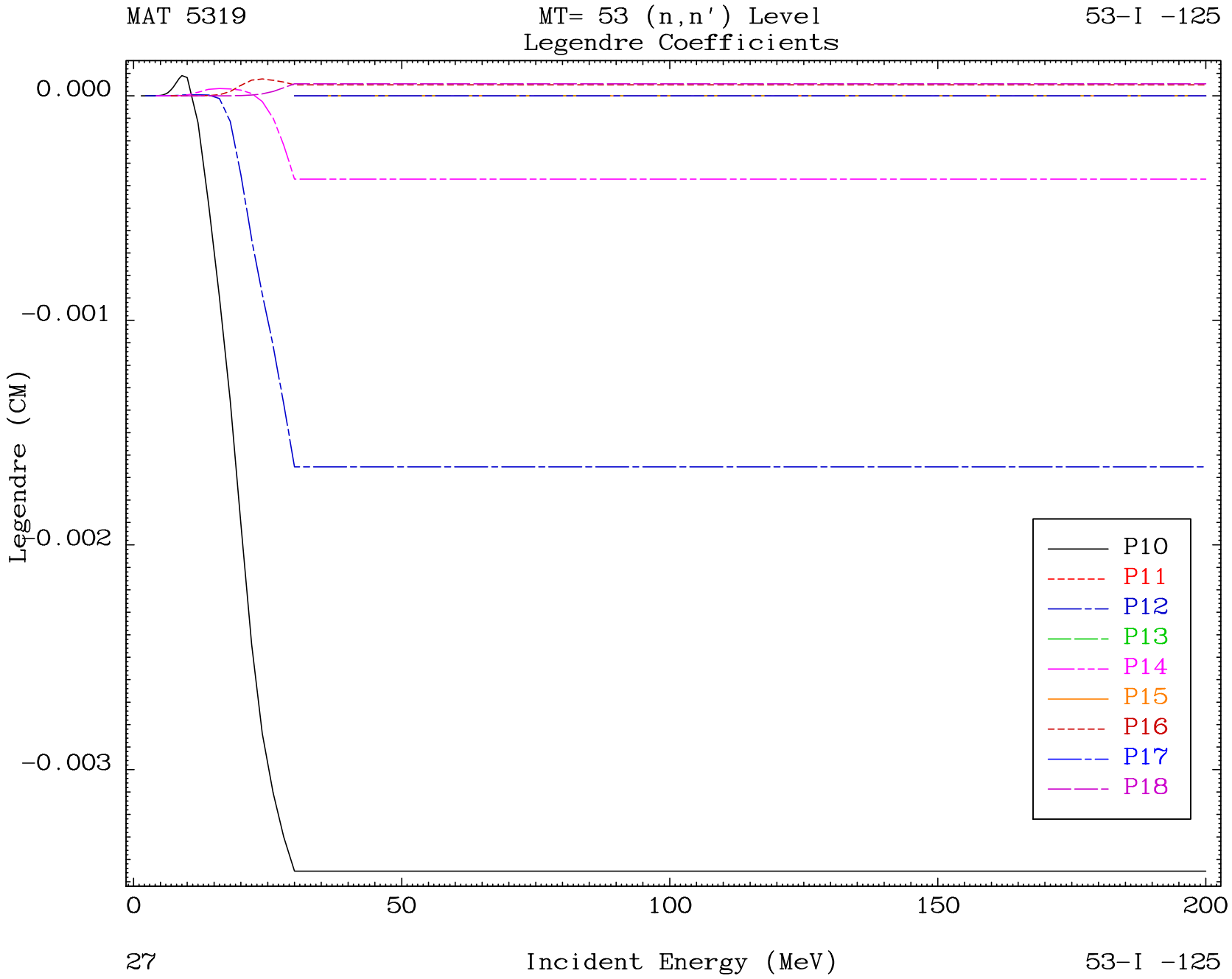

MAT 5319
MT= 51 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
53-I -125
P28
P29
P30
P31
P32
P33
P34
P35
P36

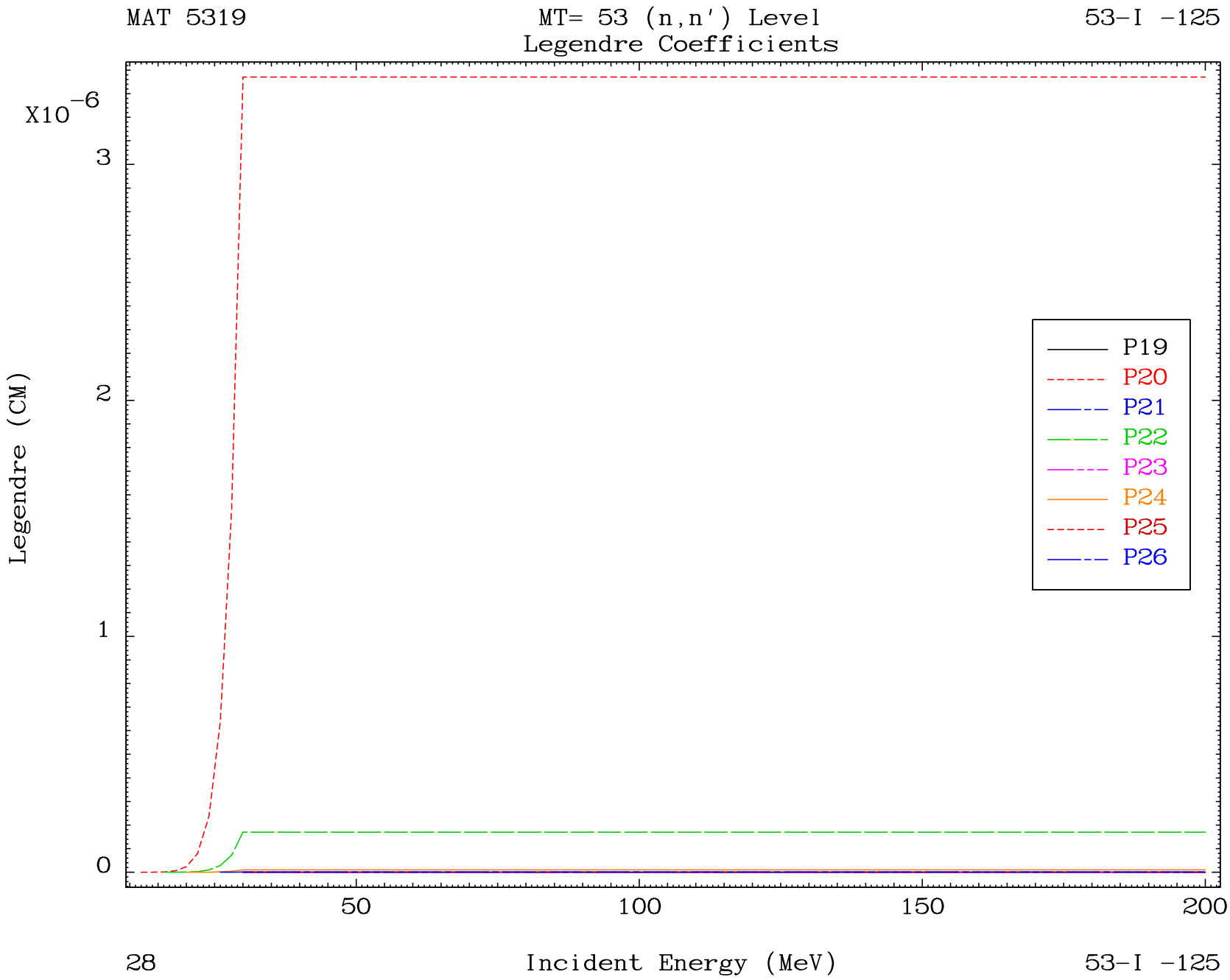

MAT 5319
MT= 52 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
23
Incident Energy (MeV)
53-I -125

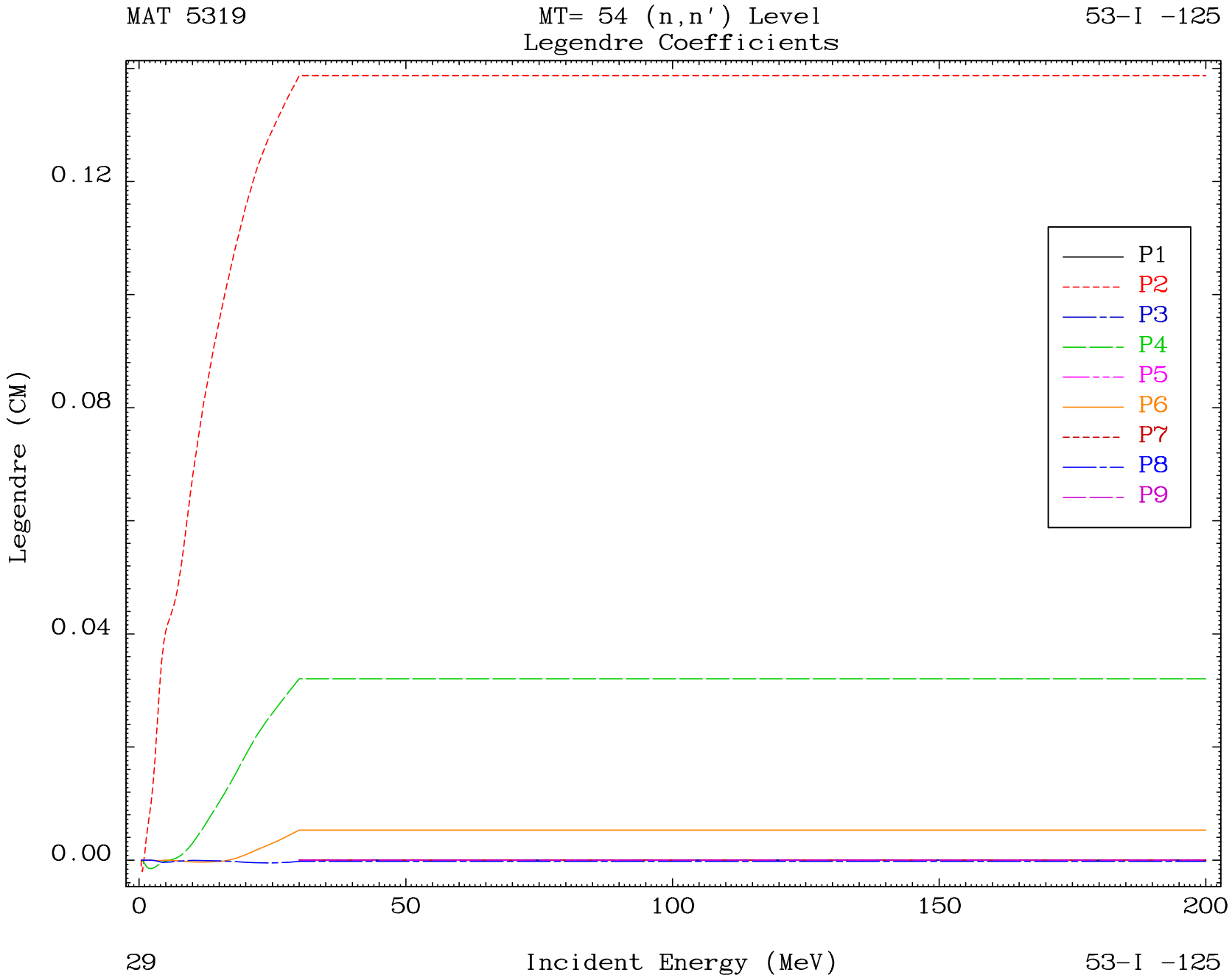

MAT 5319
MT= 52 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-4
-1
-2
-3
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18

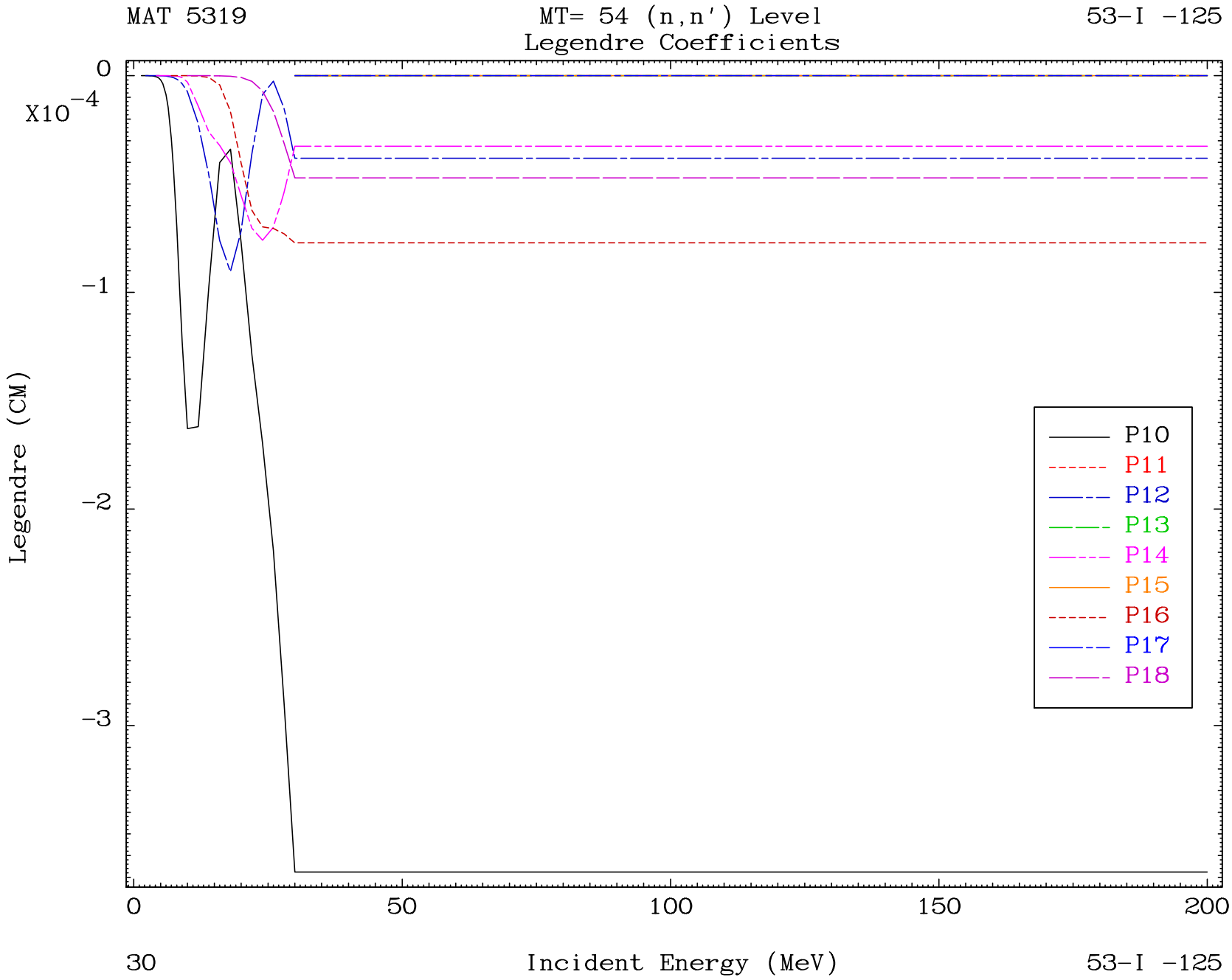

MAT 5319
MT= 52 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-6
-1
-2
-3
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
25
Incident Energy (MeV)
53-I -125

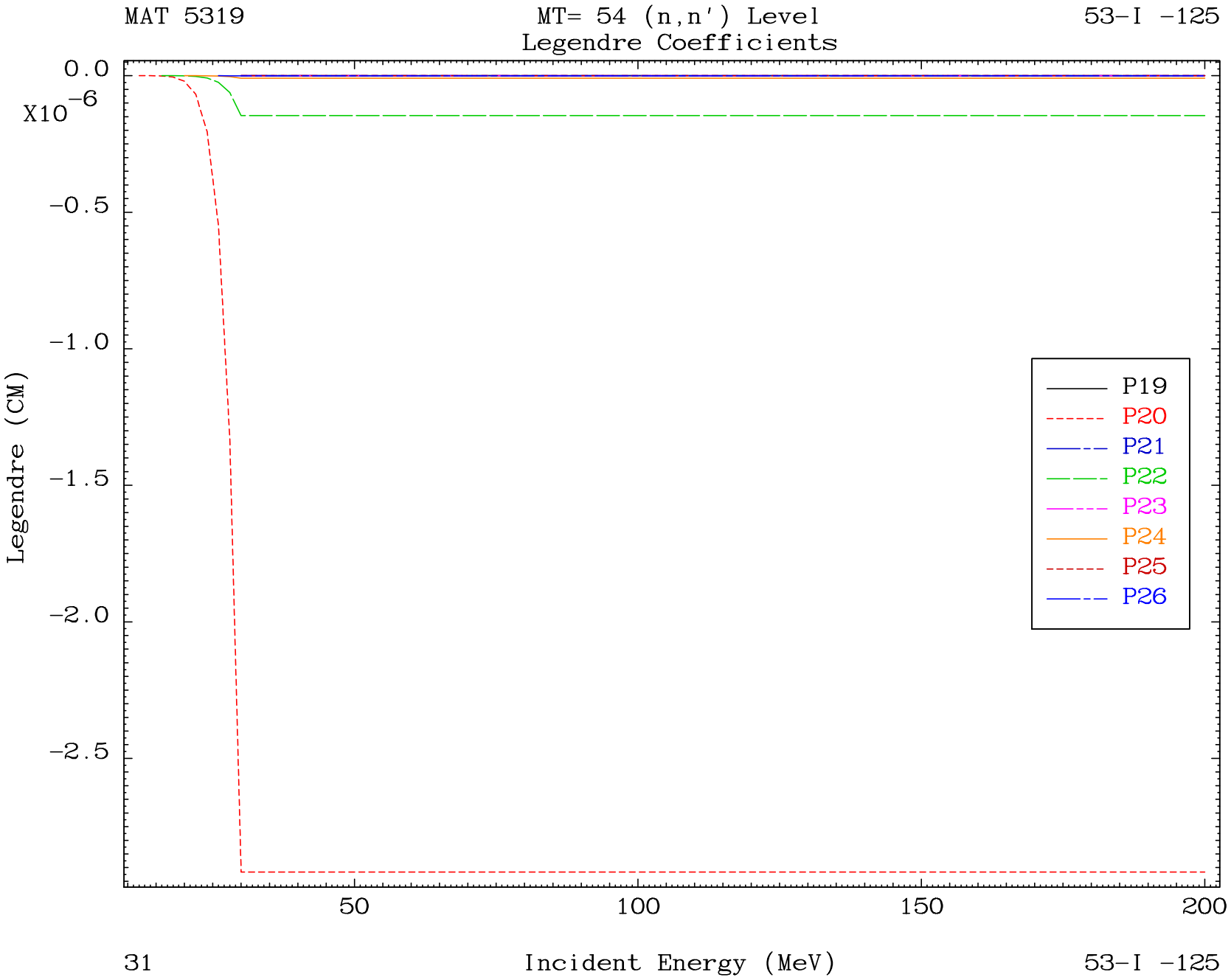

MAT 5319
MT= 53 (n,n') Level
Legendre Coefficients
53-I -125
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
26
Incident Energy (MeV)
53-I -125

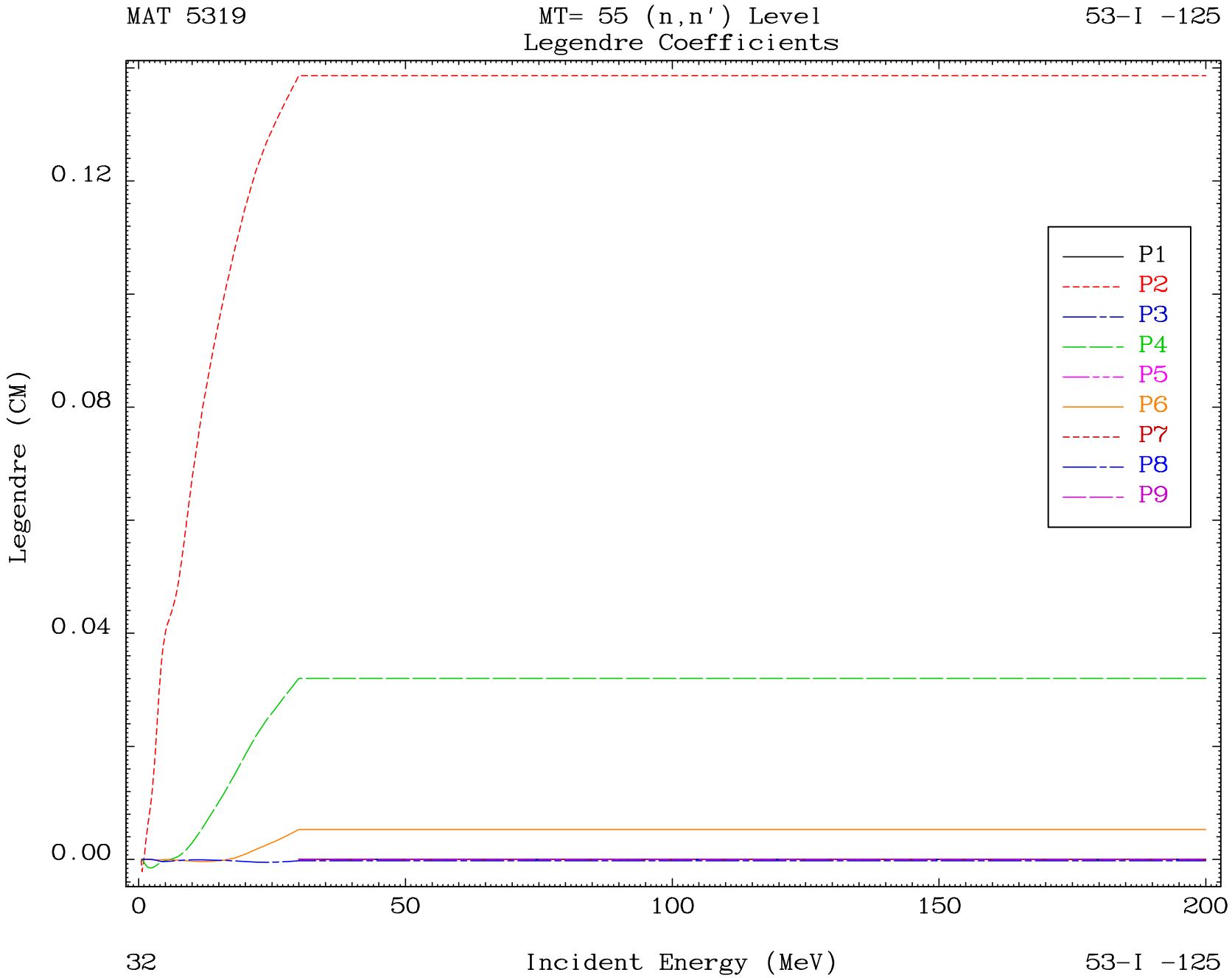

MAT 5319
MT= 53 (n,n') Level
Legendre Coefficients
53-I -125
0.000
-0.001
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
27
Incident Energy (MeV)
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18

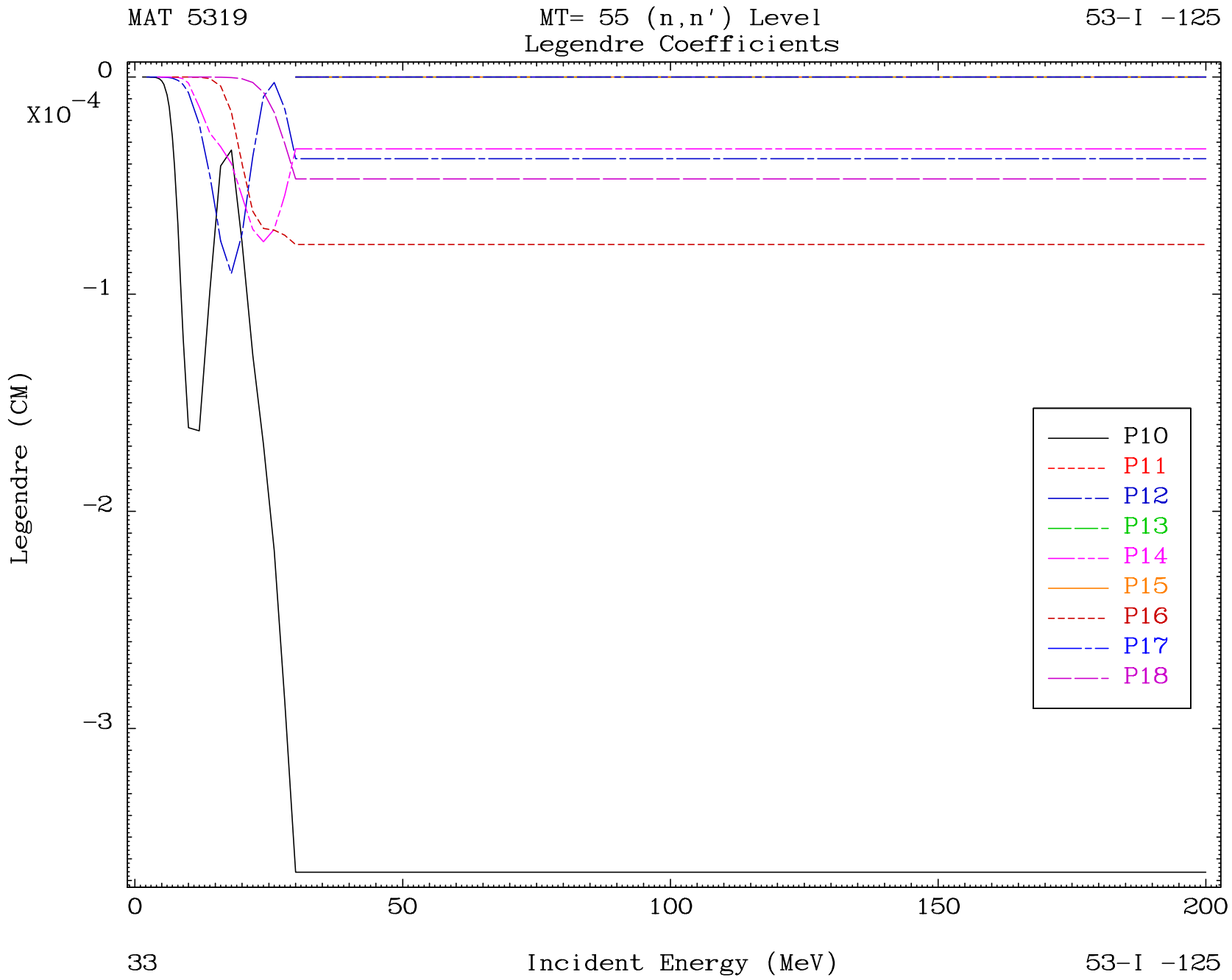

MAT 5319
MT= 53 (n,n') Level
Legendre Coefficients
53-I -125
X10^-6
3
2
1
0
Legendre (CM)
50
100
150
200
28
Incident Energy (MeV)
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26

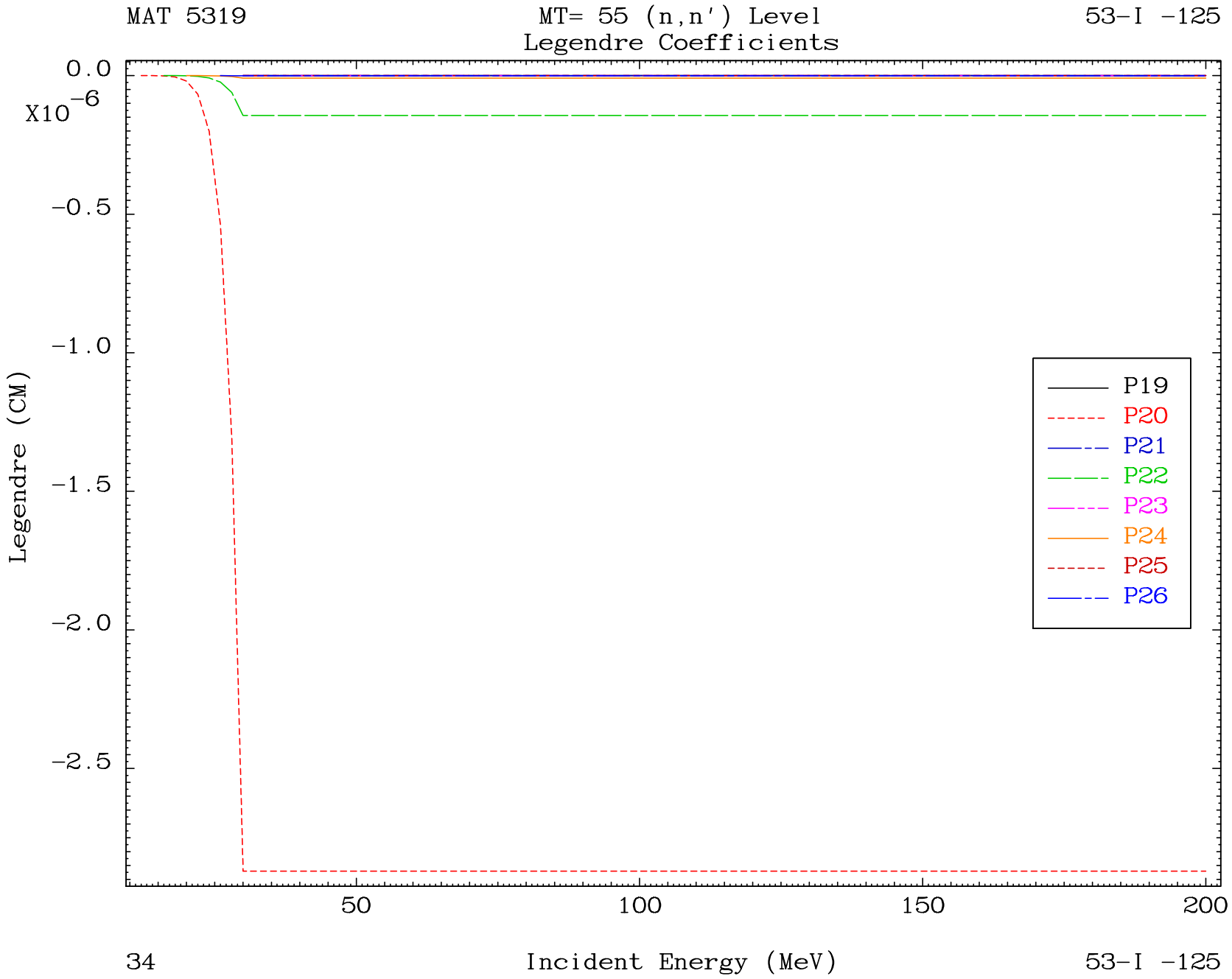

MAT 5319
MT= 54 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
29
Incident Energy (MeV)
53-I -125

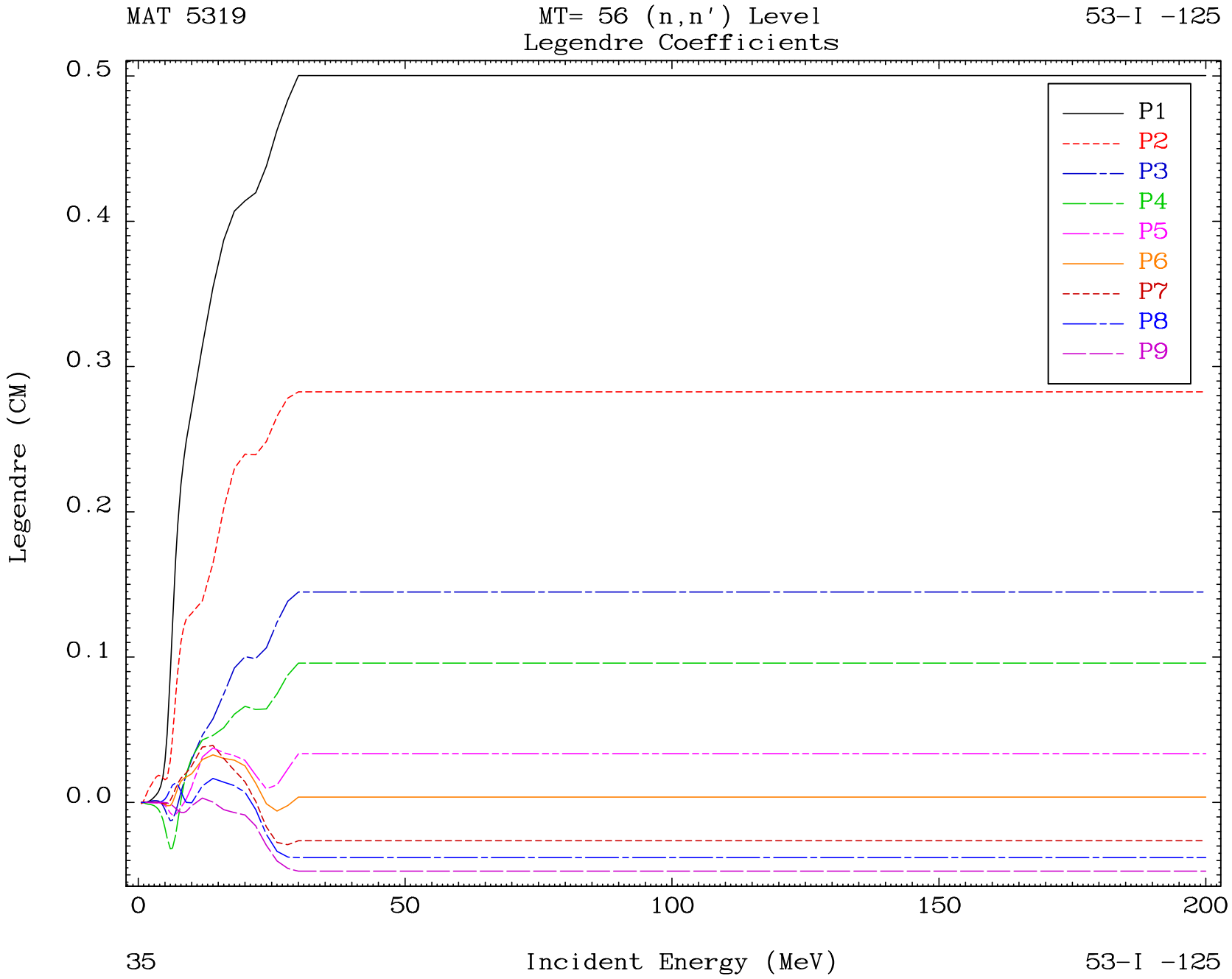

MAT 5319
MT= 54 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-4
-1
-2
-3
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
30
Incident Energy (MeV)
53-I -125

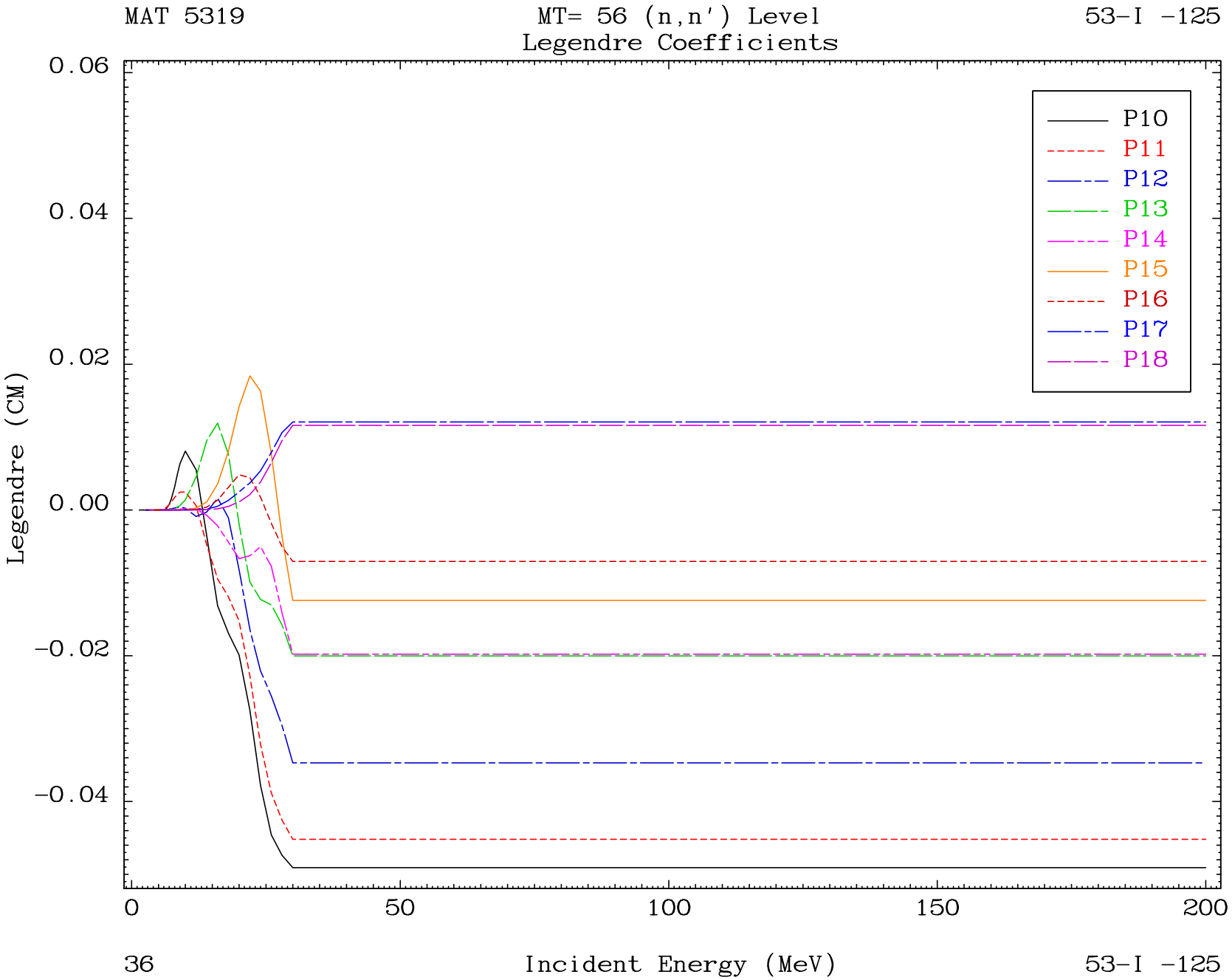

MAT 5319
MT= 54 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
31
Incident Energy (MeV)
53-I -125

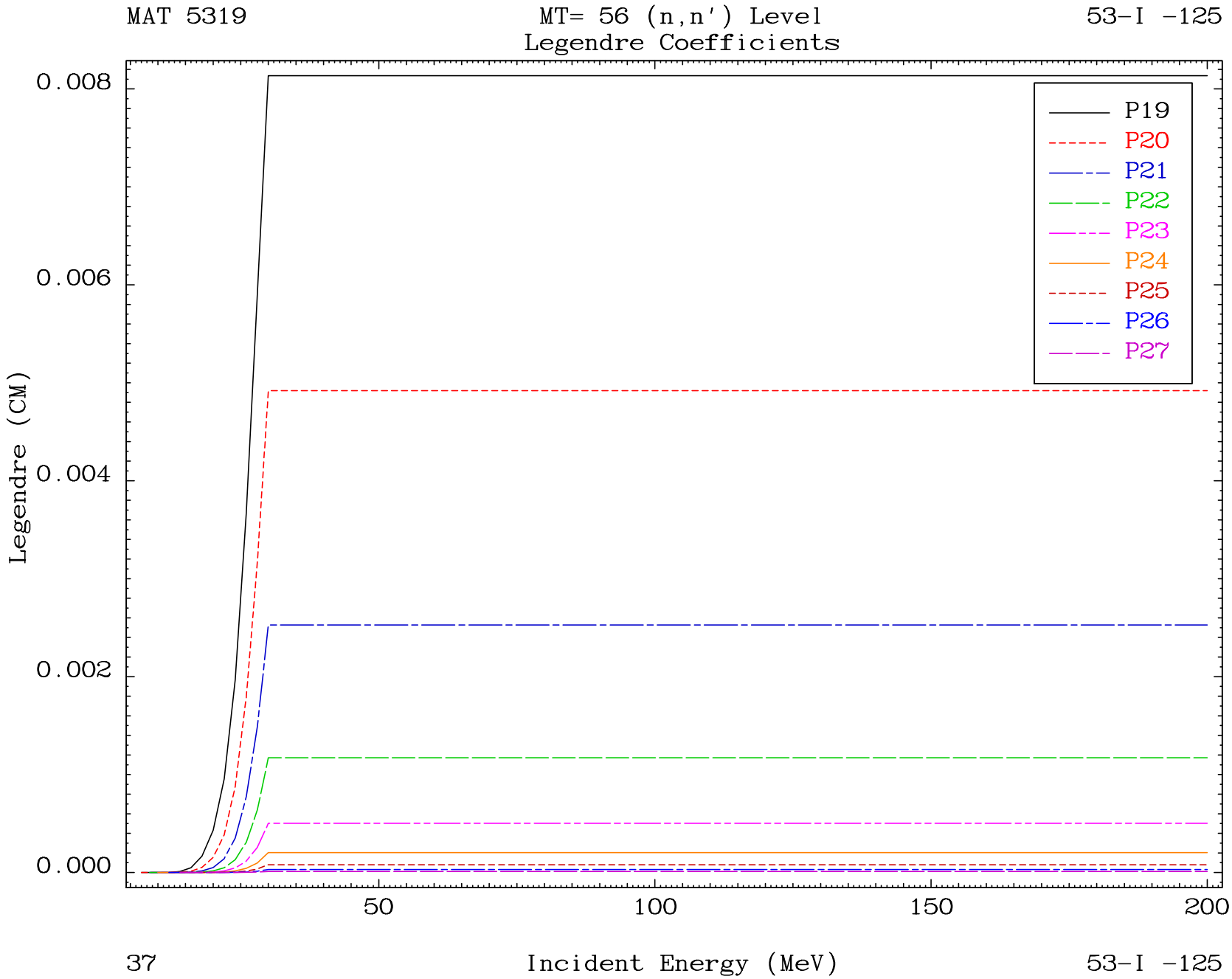

MAT 5319
MT= 55 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
32
Incident Energy (MeV)
53-I -125

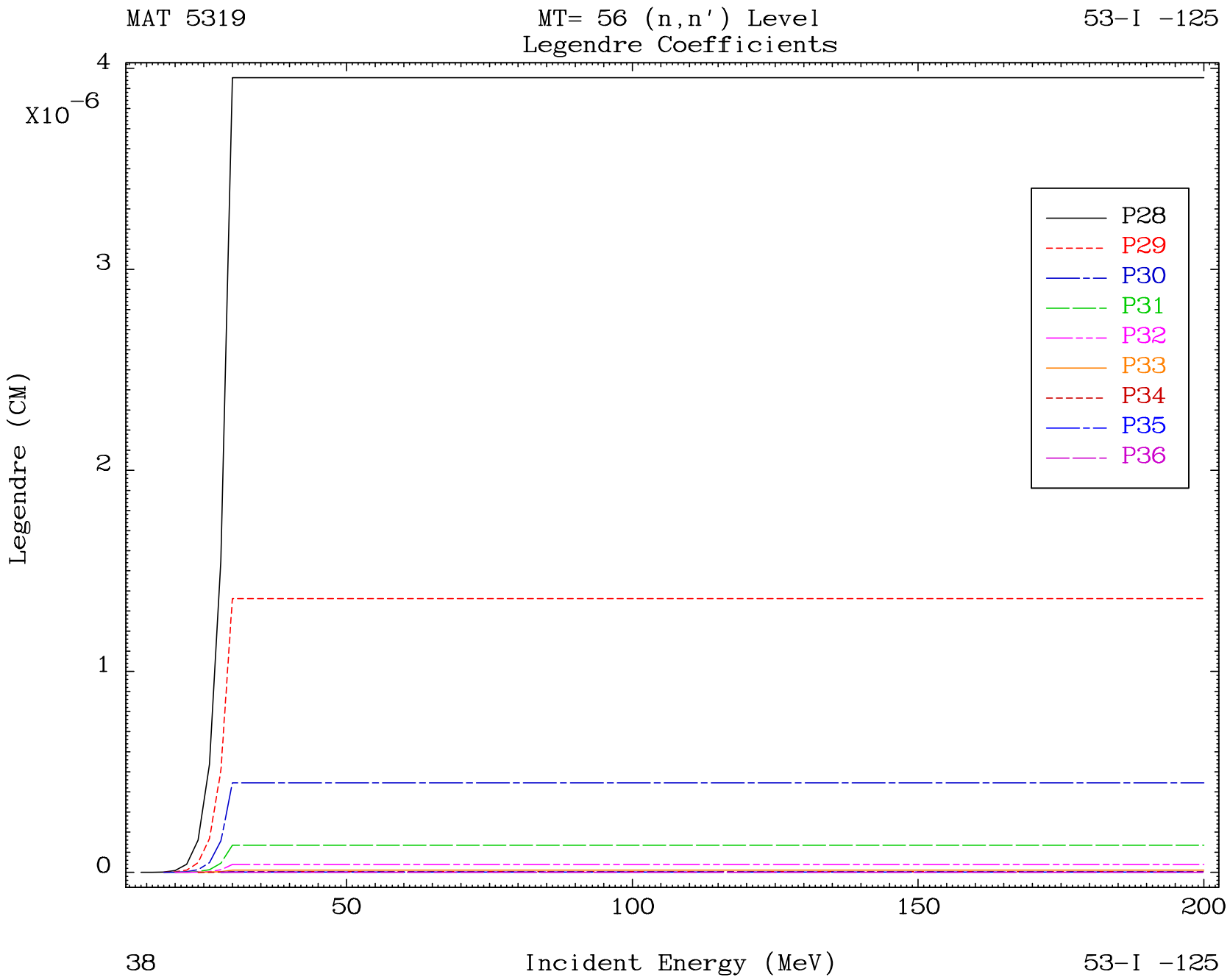

MAT 5319
MT= 55 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-4
-1
-2
-3
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
33
Incident Energy (MeV)
53-I -125

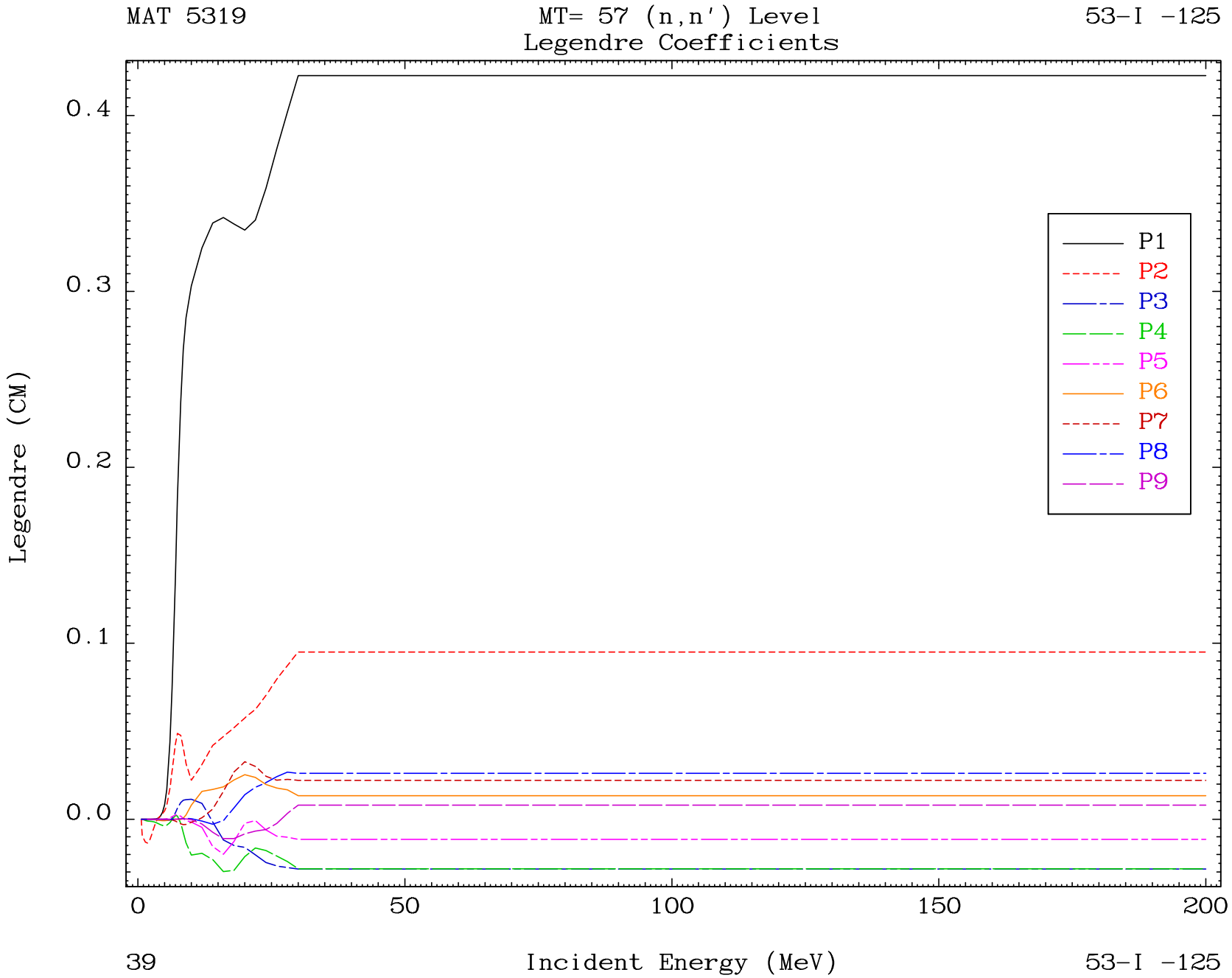

MAT 5319
MT= 55 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26

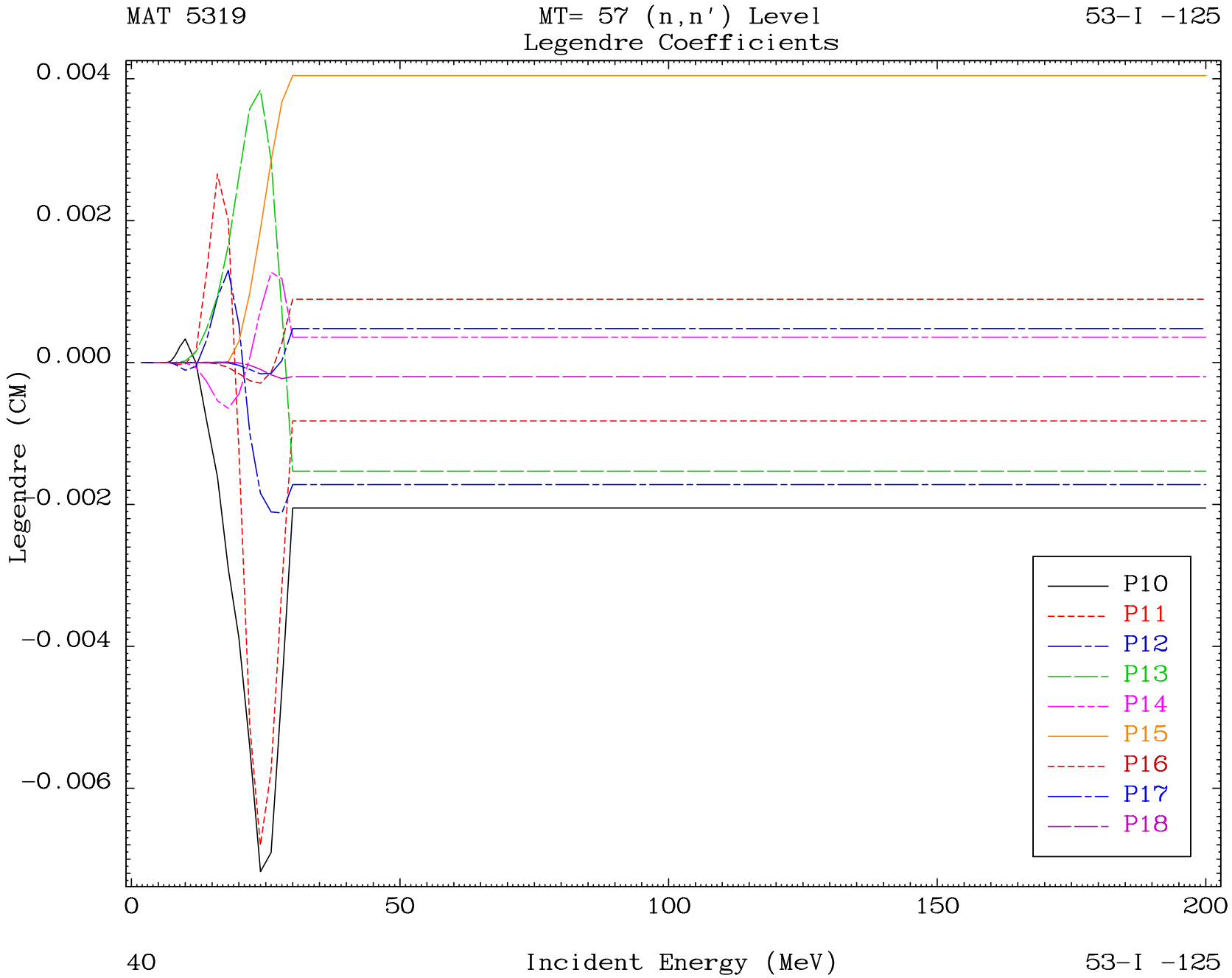

MAT 5319
MT= 56 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
35
Incident Energy (MeV)
53-I -125
P1
P2
P3
P4
P5
P6
P7
P8
P9

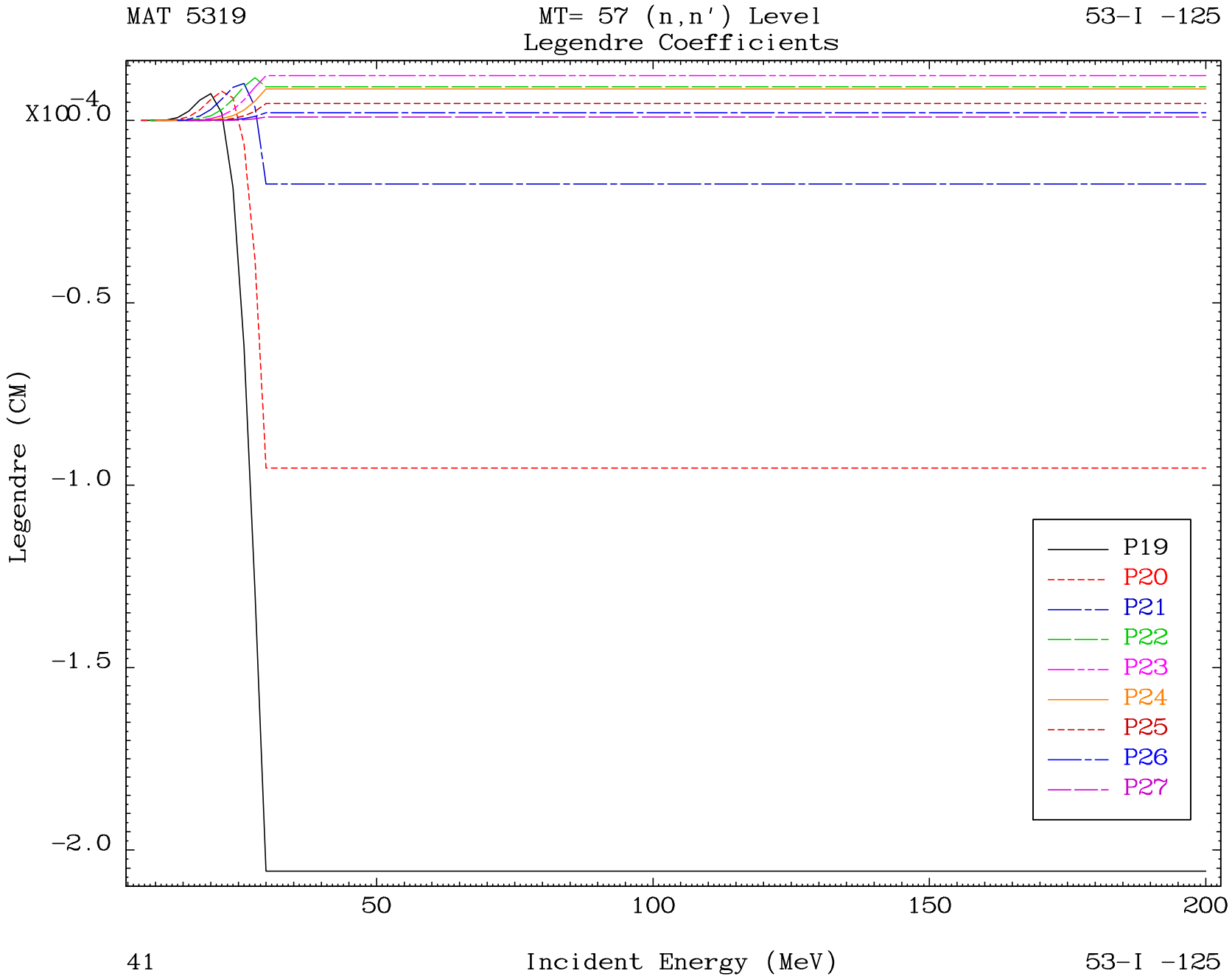

MAT 5319
MT= 56 (n,n') Level
Legendre Coefficients
53-I -125
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
36
Incident Energy (MeV)
53-I -125

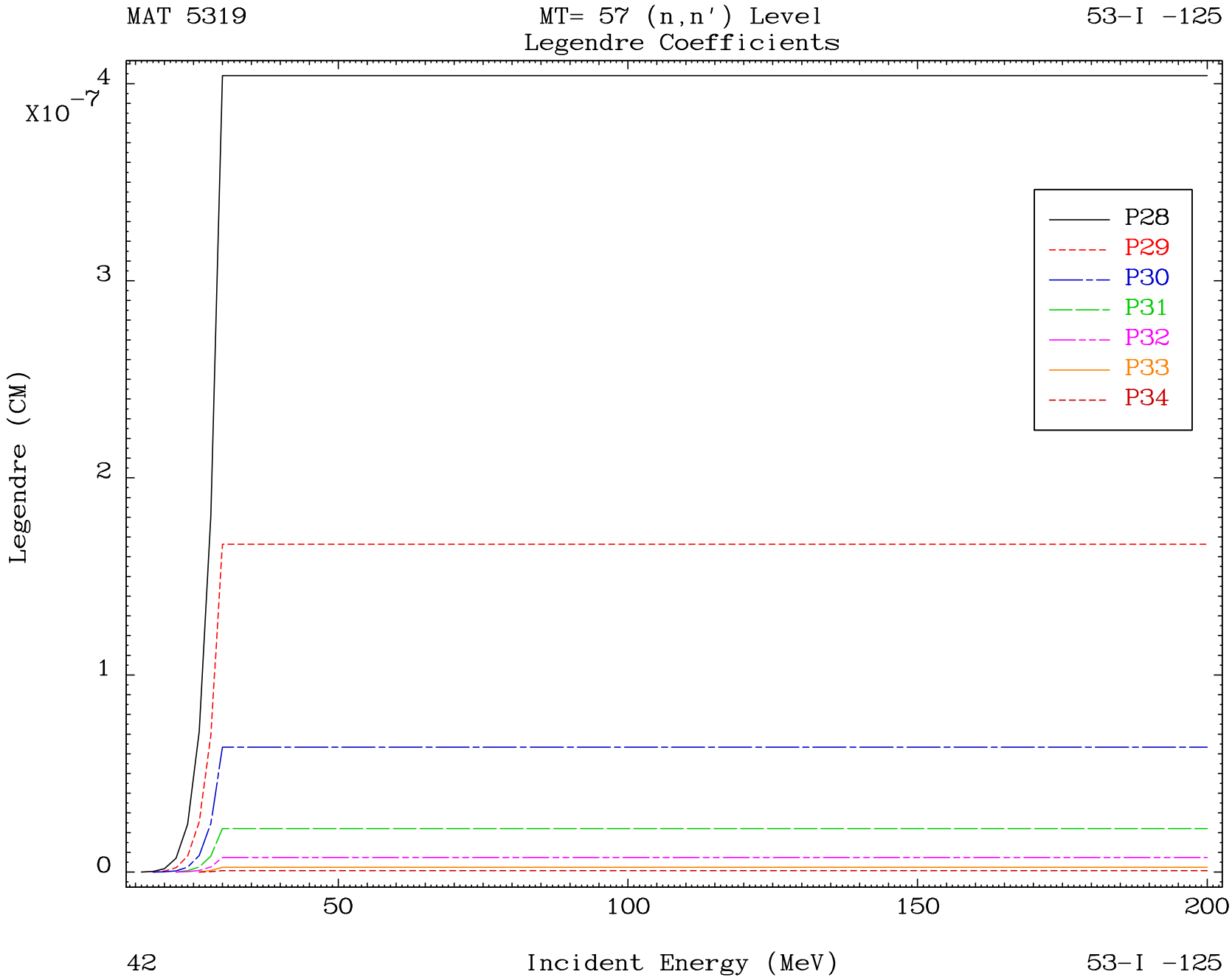

MAT 5319
MT= 56 (n,n') Level
Legendre Coefficients
53-I -125
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
37
Incident Energy (MeV)
53-I -125

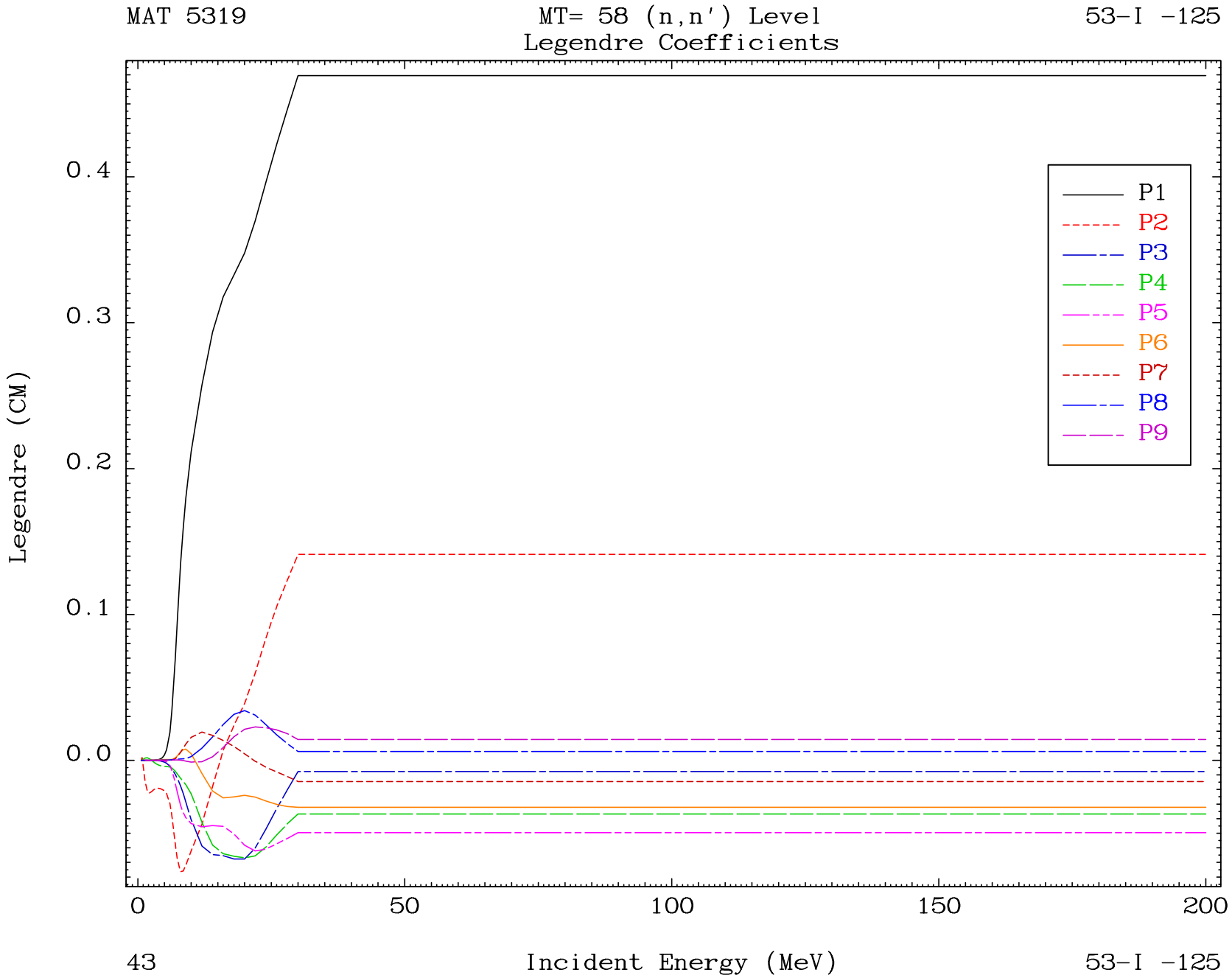

MAT 5319
MT= 56 (n,n') Level
Legendre Coefficients
53-I -125
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
38
Incident Energy (MeV)
53-I -125

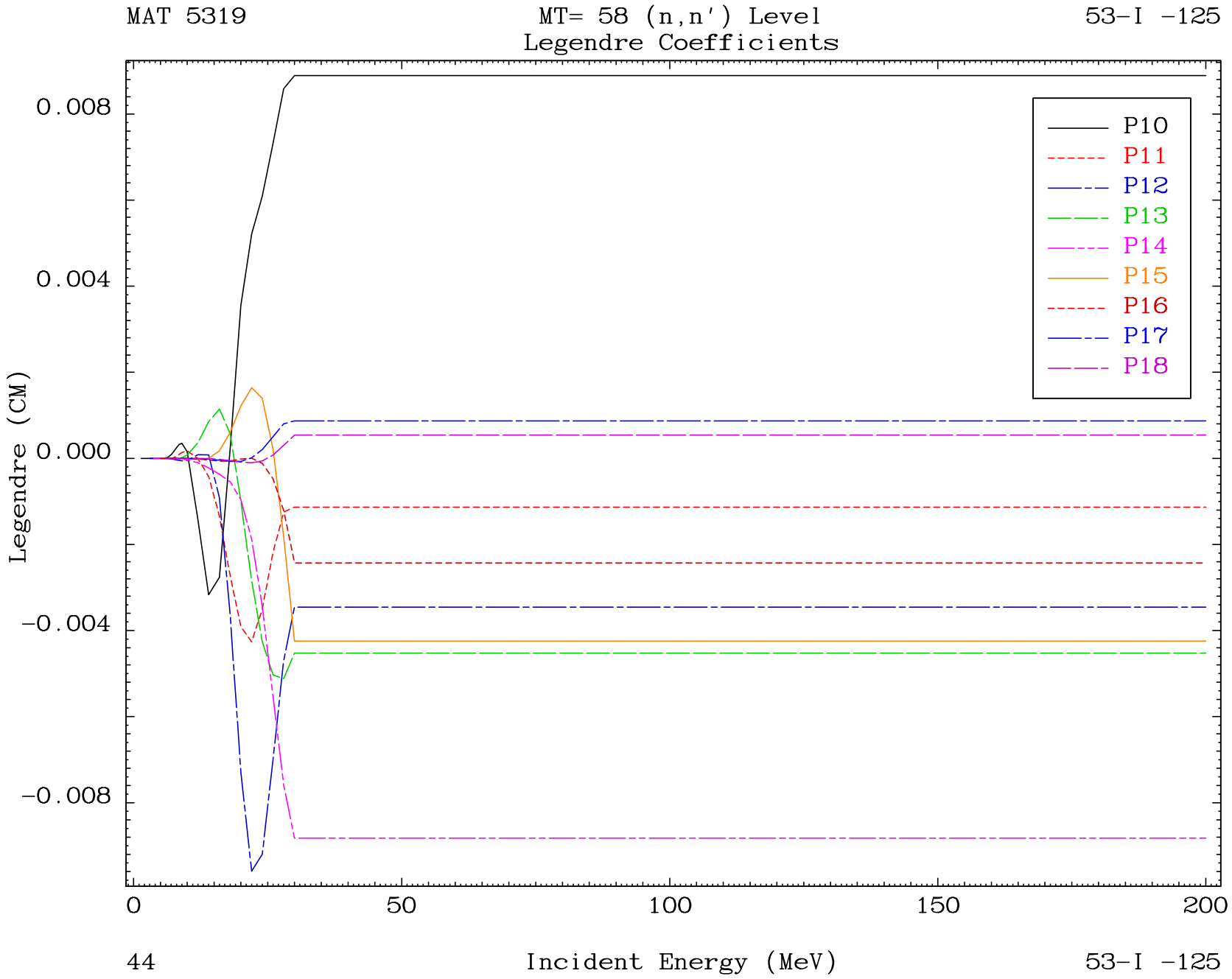

MAT 5319
MT= 57 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
39
Incident Energy (MeV)
53-I -125

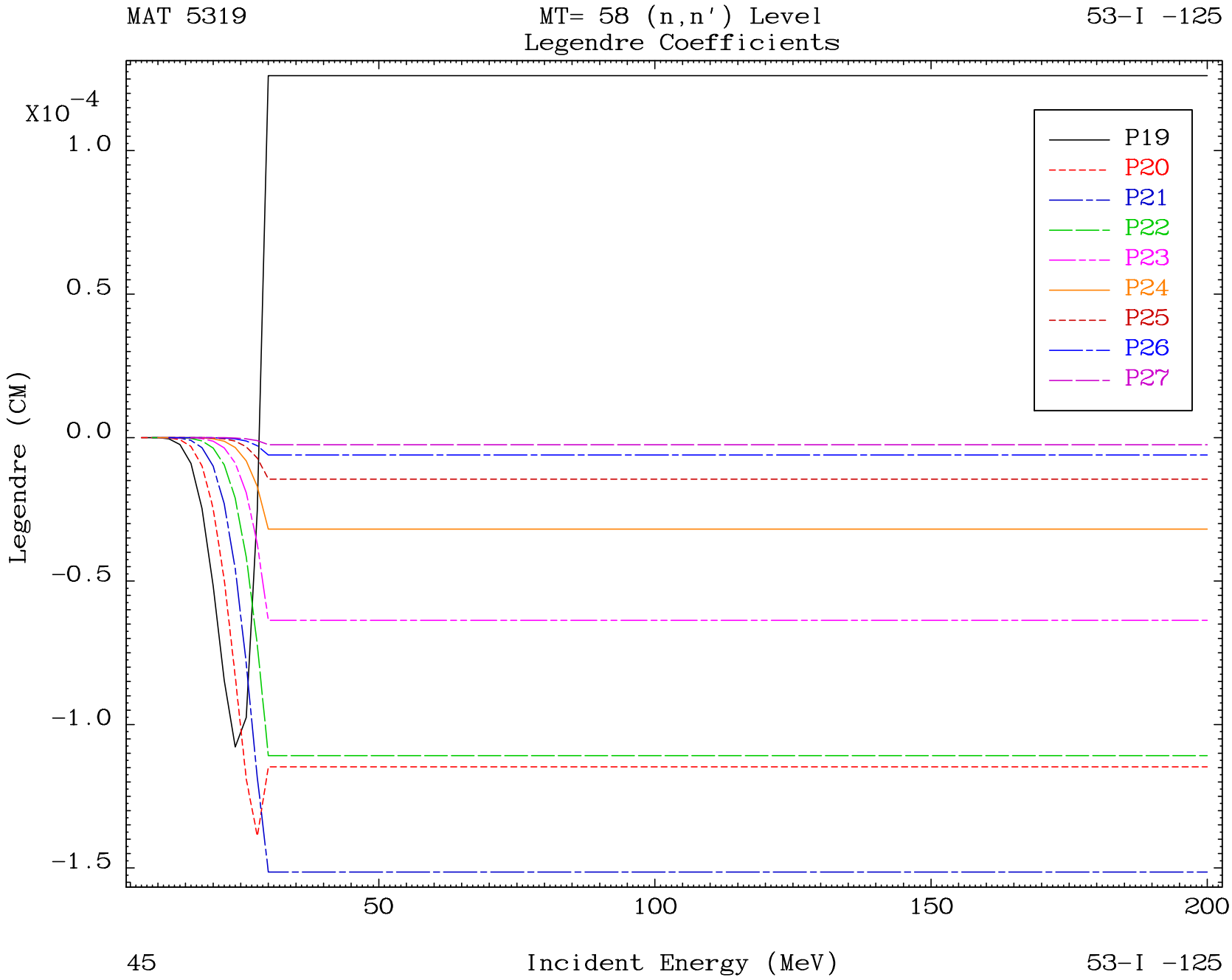

MAT 5319
MT= 57 (n,n') Level
Legendre Coefficients
53-I -125
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
0
50
100
150
200
40
Incident Energy (MeV)
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18

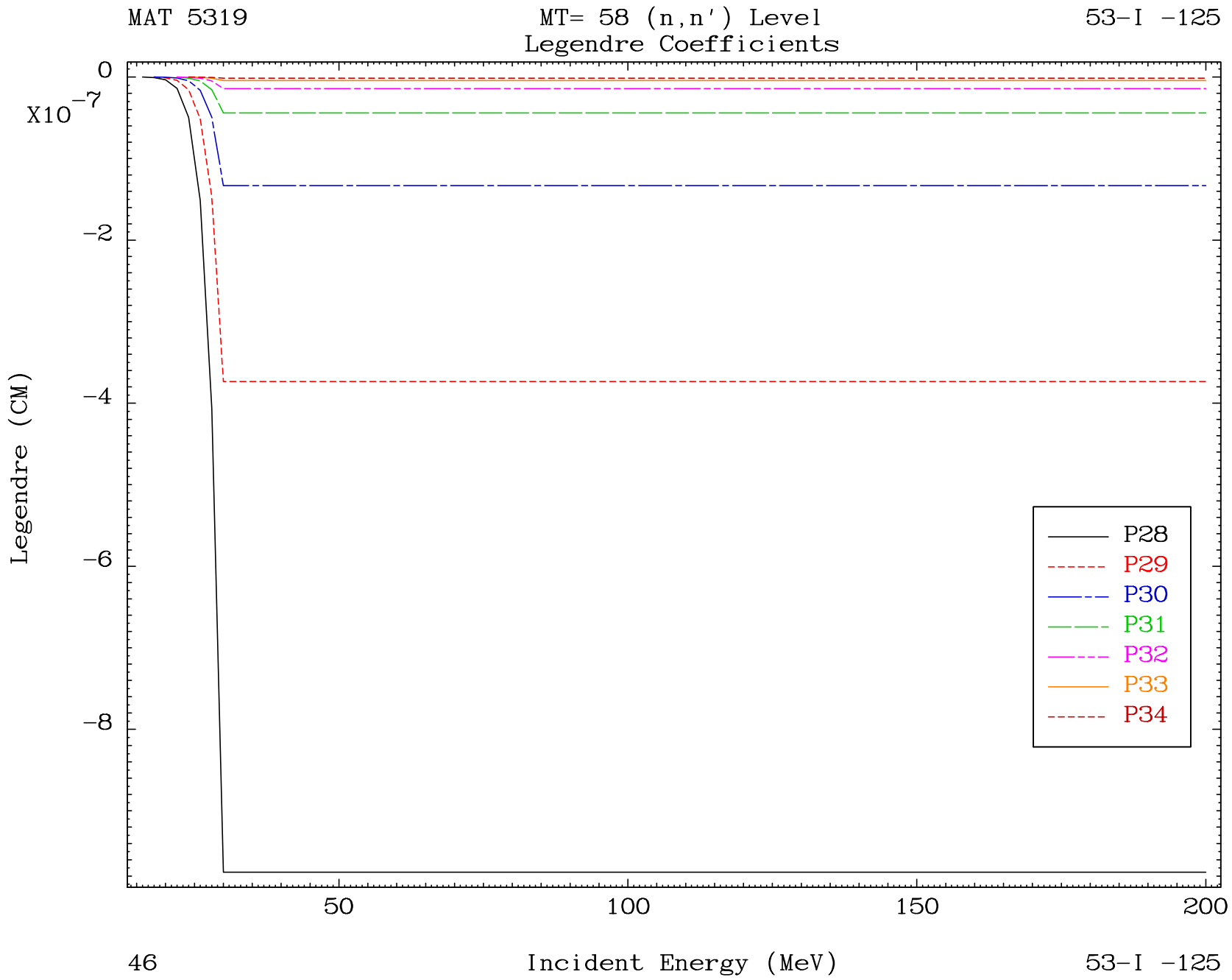

MAT 5319
MT= 57 (n,n') Level
Legendre Coefficients
53-I -125
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
41
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26
P27

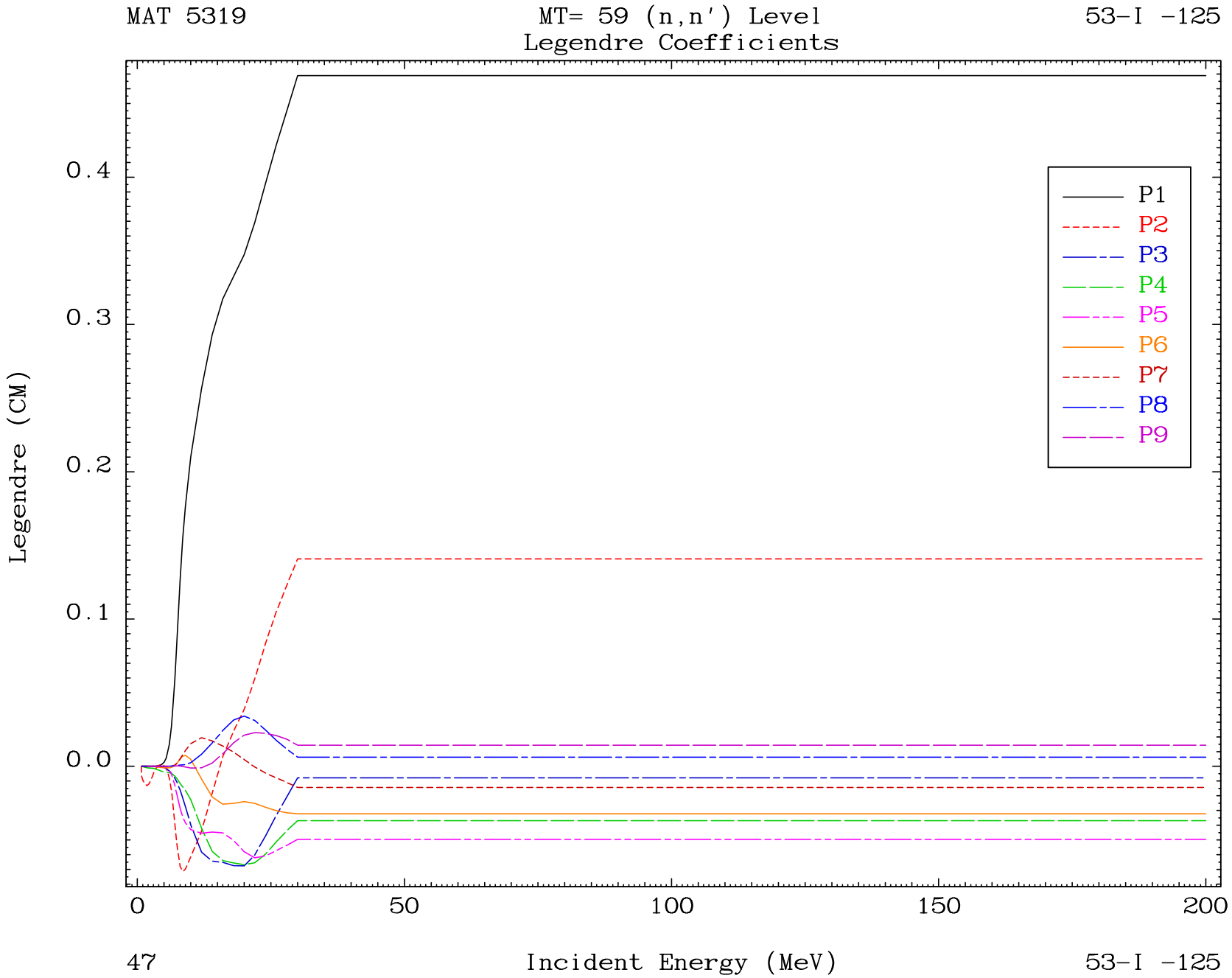

MAT 5319
MT= 57 (n,n') Level
Legendre Coefficients
53-I -125
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
42
Incident Energy (MeV)
53-I -125

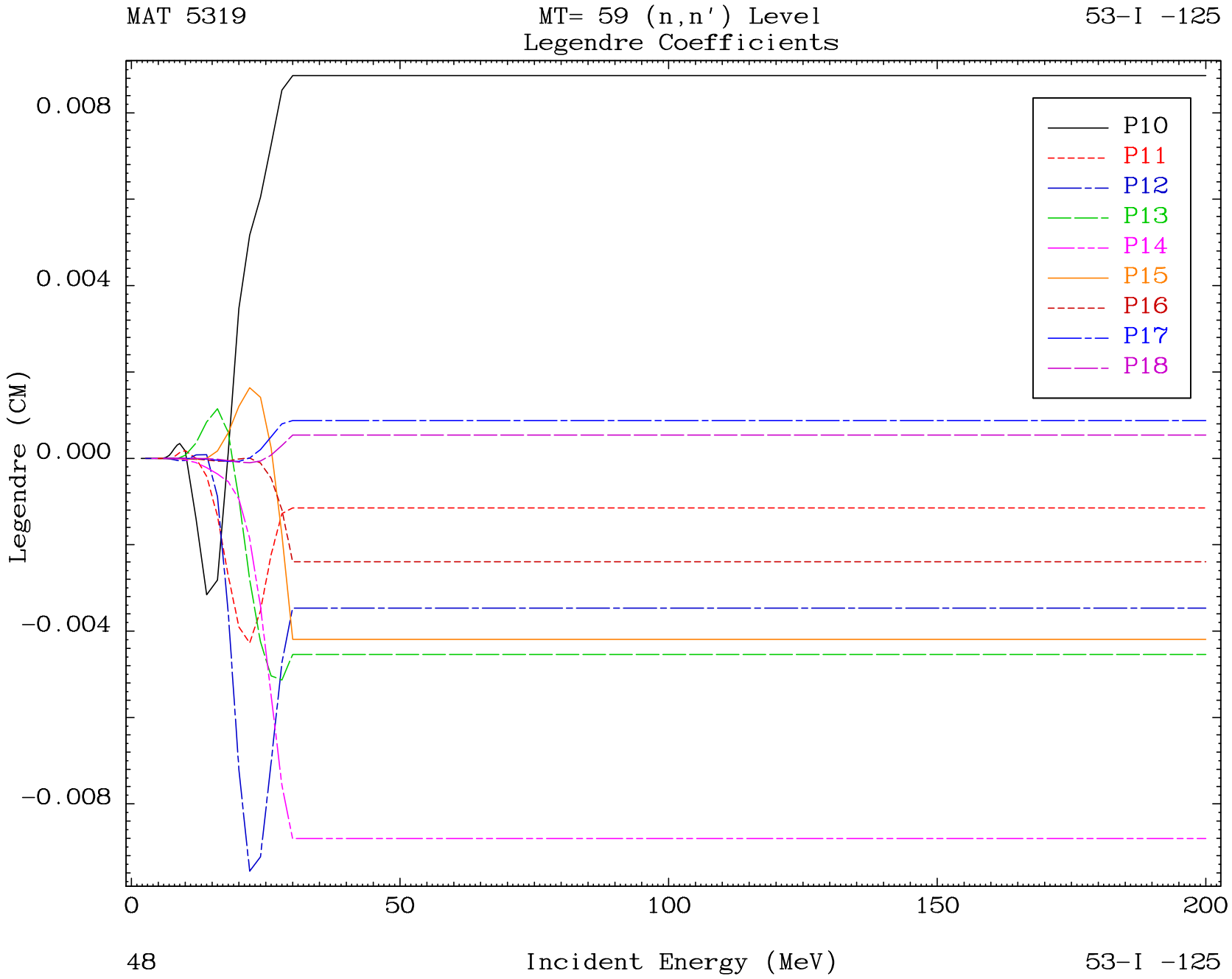

MAT 5319
MT= 58 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
43
Incident Energy (MeV)
53-I -125

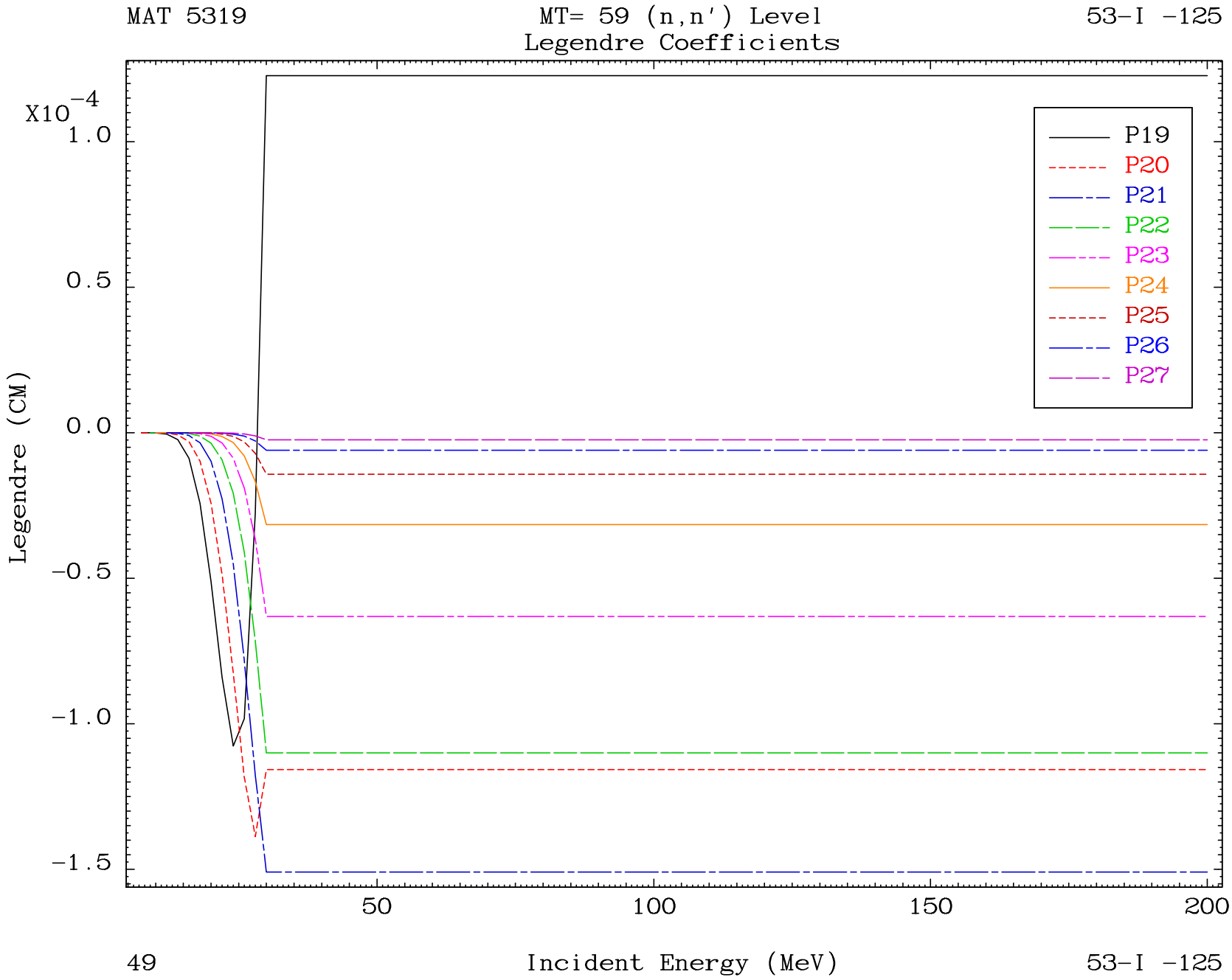

MAT 5319
MT= 58 (n,n') Level
Legendre Coefficients
53-I -125
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
44
Incident Energy (MeV)
53-I -125

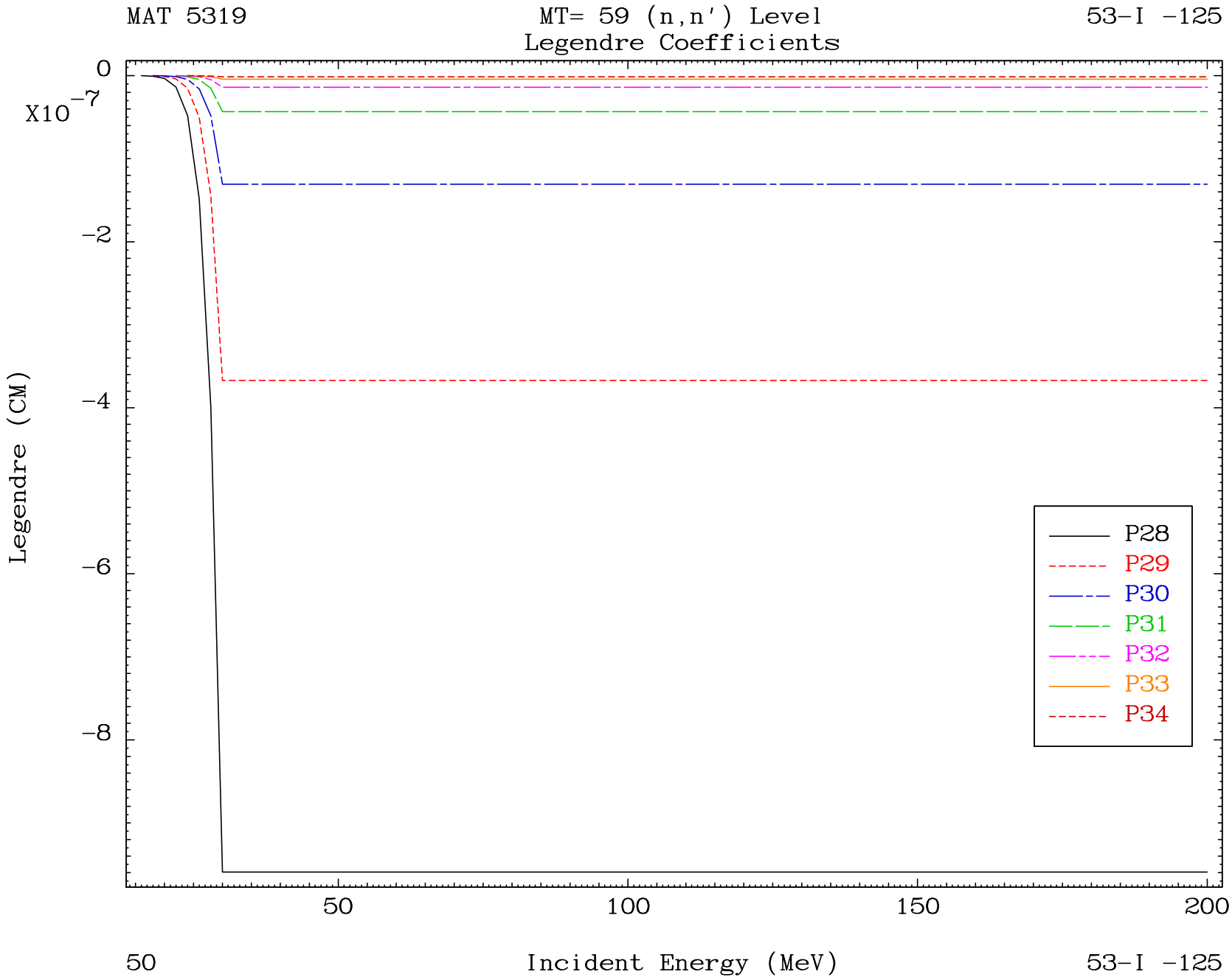

MAT 5319
MT= 58 (n,n') Level
Legendre Coefficients
53-I -125
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
45
Incident Energy (MeV)
53-I -125

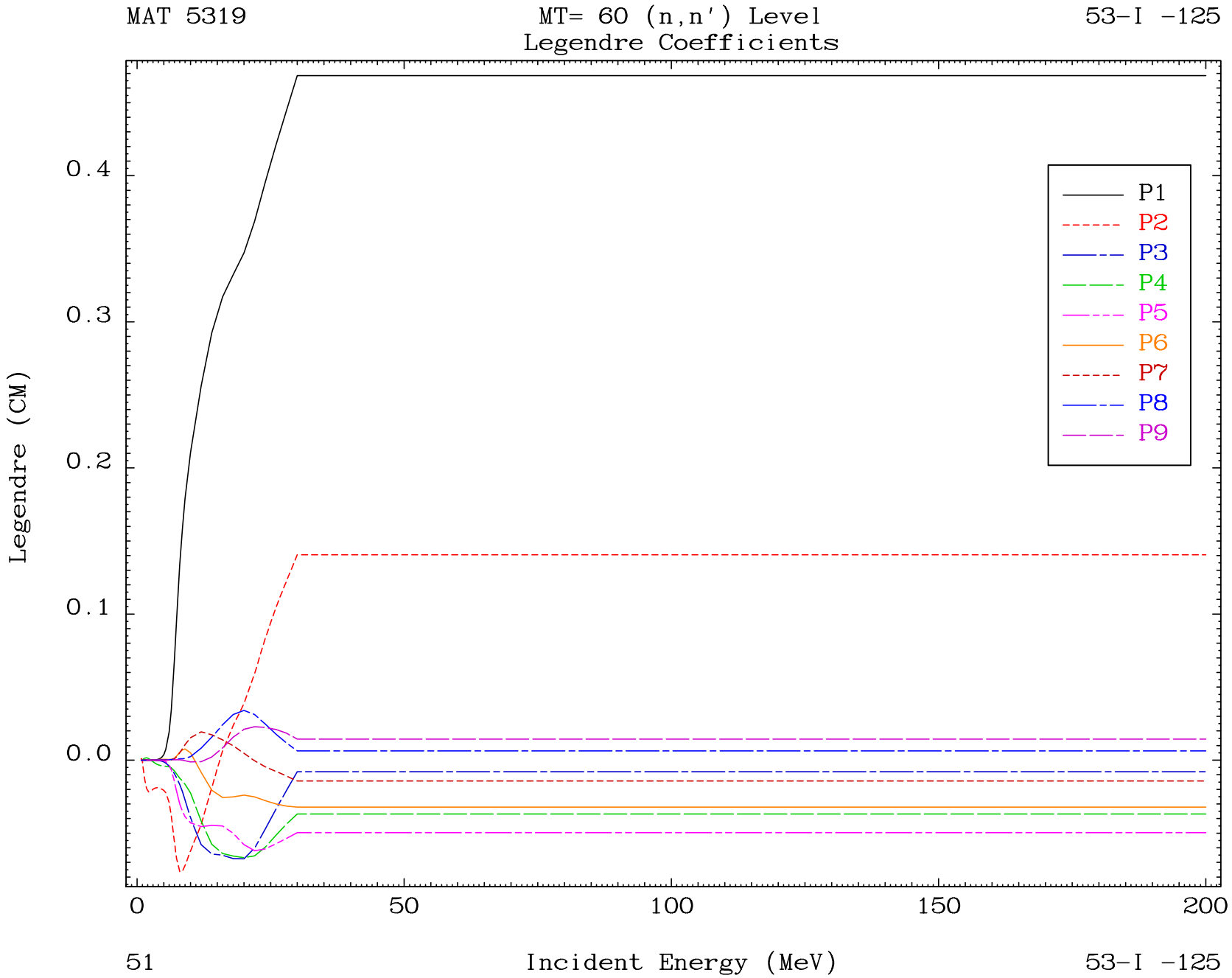

MAT 5319
MT= 58 (n,n') Level
Legendre Coefficients
53-I -125
0
X10-7
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
53-I -125
P28
P29
P30
P31
P32
P33
P34

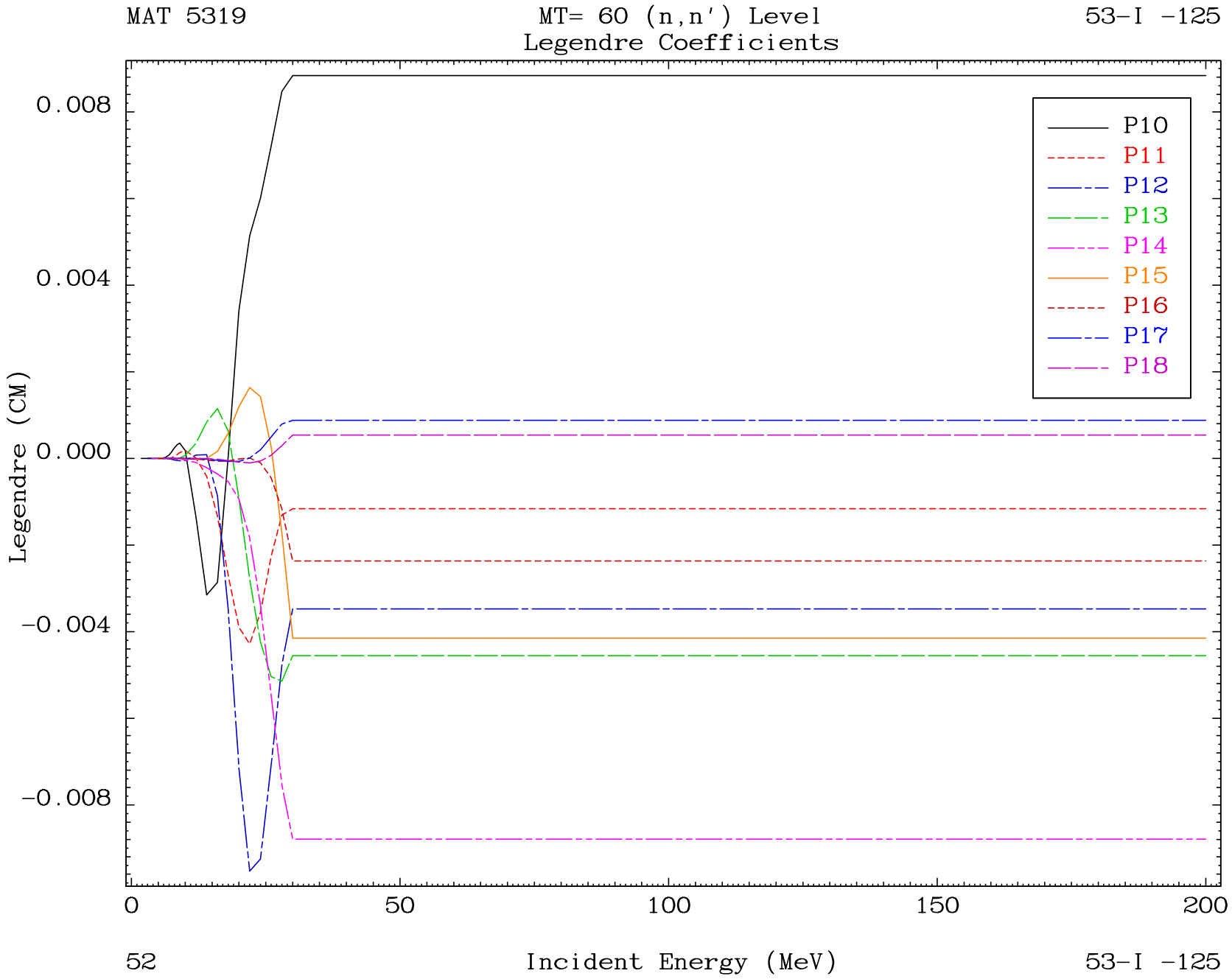

MAT 5319
MT= 59 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
47
Incident Energy (MeV)
53-I -125

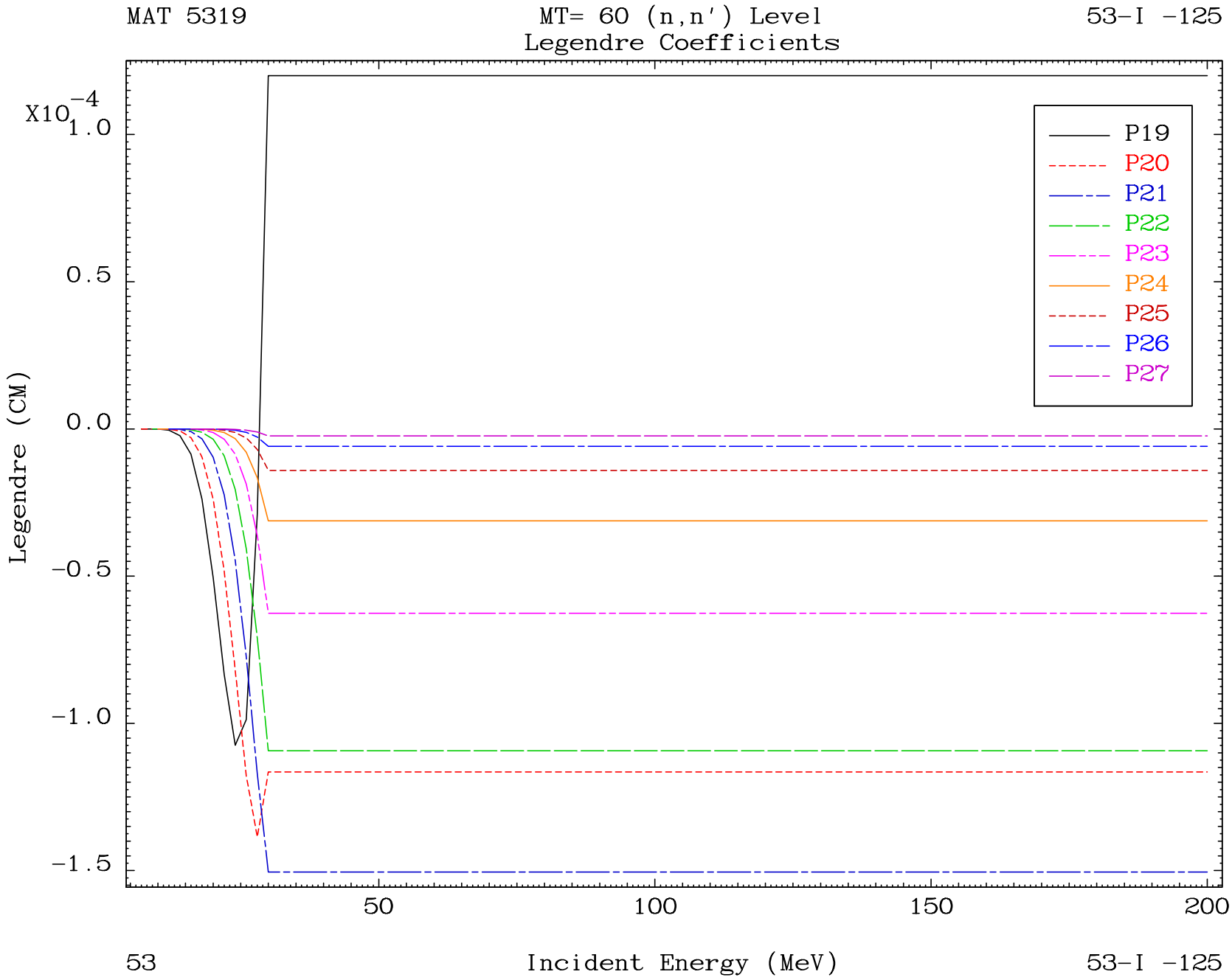

MAT 5319
MT= 59 (n,n') Level
Legendre Coefficients
53-I -125
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
48
Incident Energy (MeV)
53-I -125

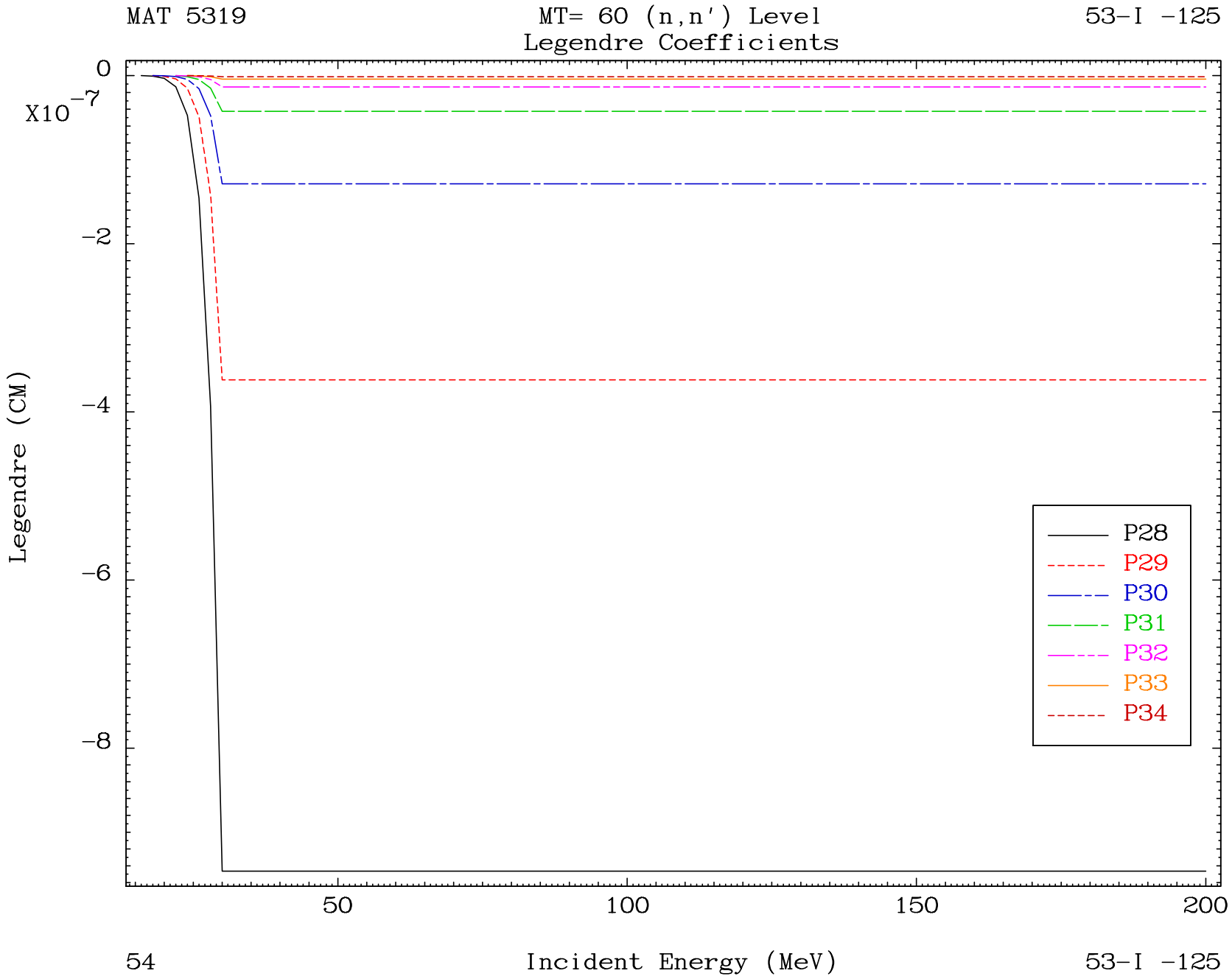

MAT 5319
MT= 59 (n,n') Level
Legendre Coefficients
53-I -125
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
P27
49
Incident Energy (MeV)
53-I -125

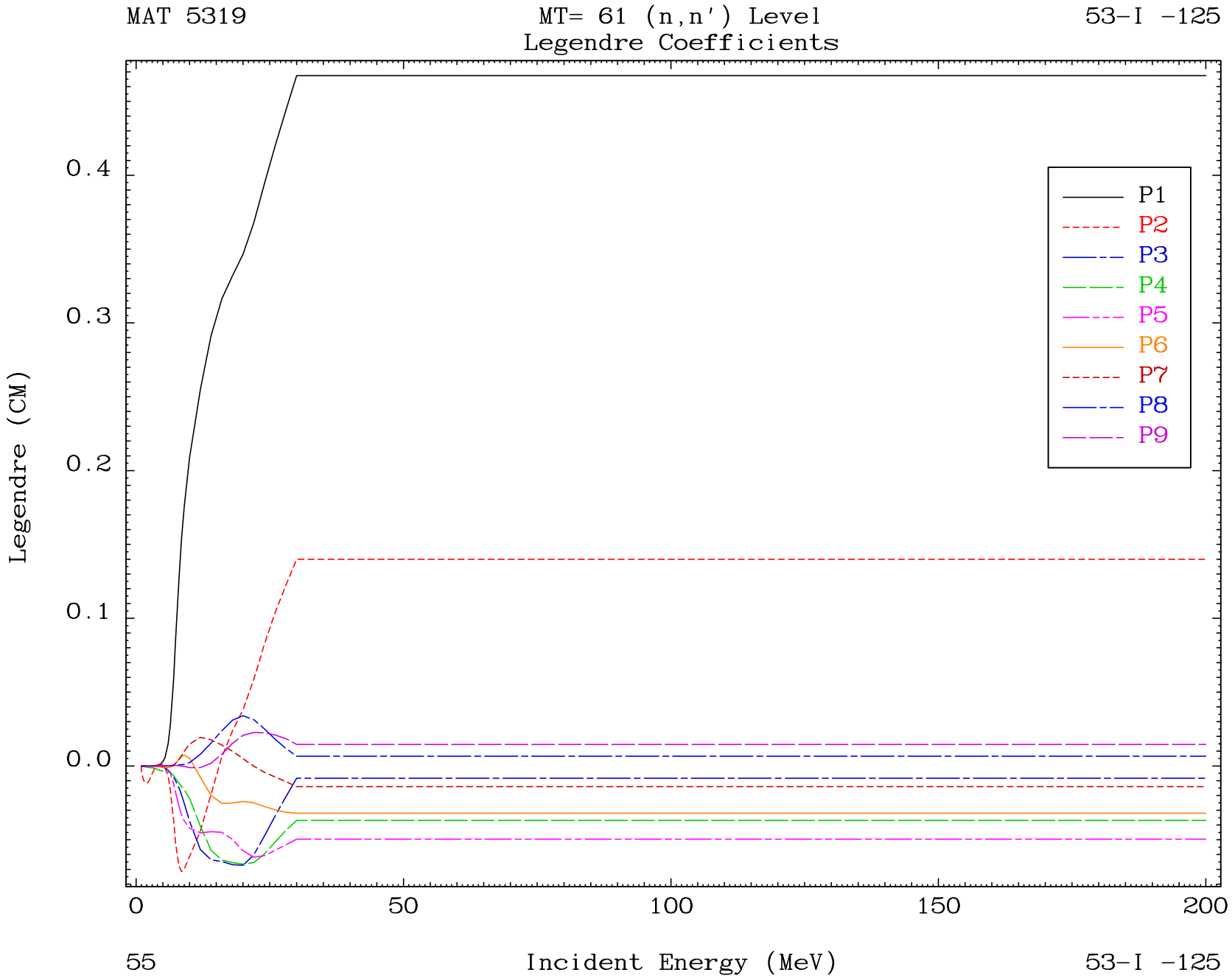

MAT 5319
MT= 59 (n,n') Level
Legendre Coefficients
53-I -125
0
X10-7
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
53-I -125
P28
P29
P30
P31
P32
P33
P34

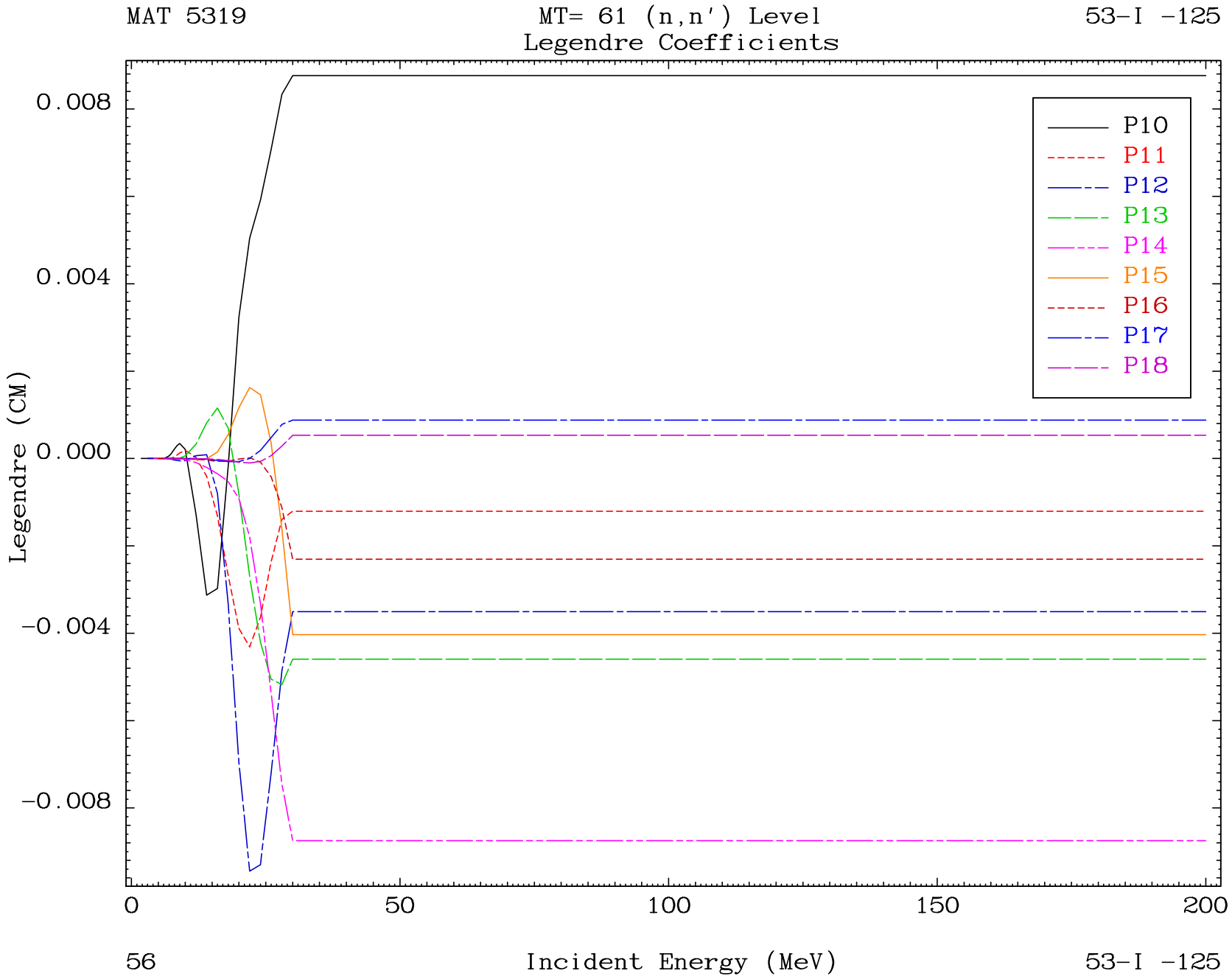

MAT 5319
MT= 60 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
51
Incident Energy (MeV)
53-I -125

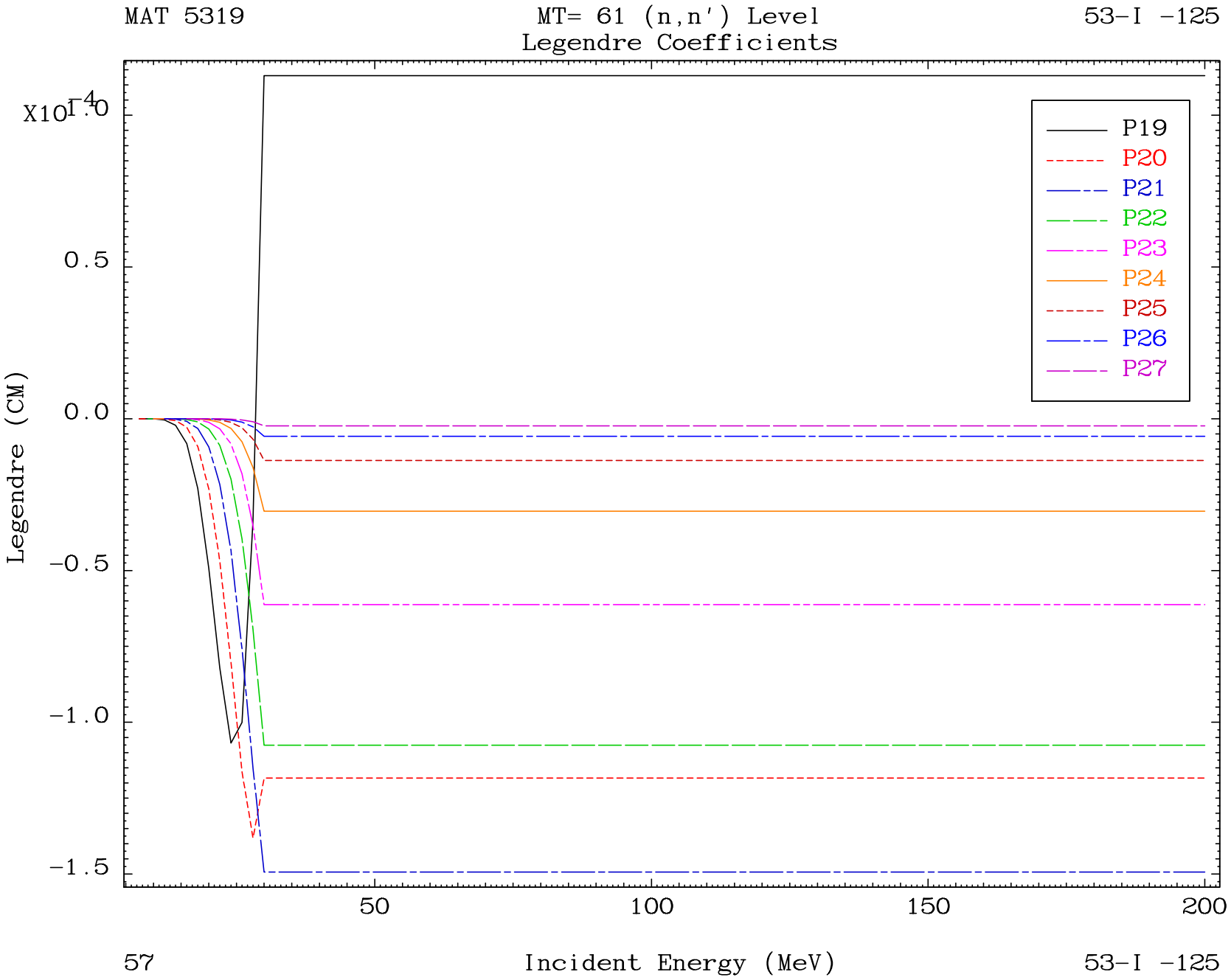

MAT 5319
MT= 60 (n,n') Level
Legendre Coefficients
53-I -125
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
52
Incident Energy (MeV)
53-I -125

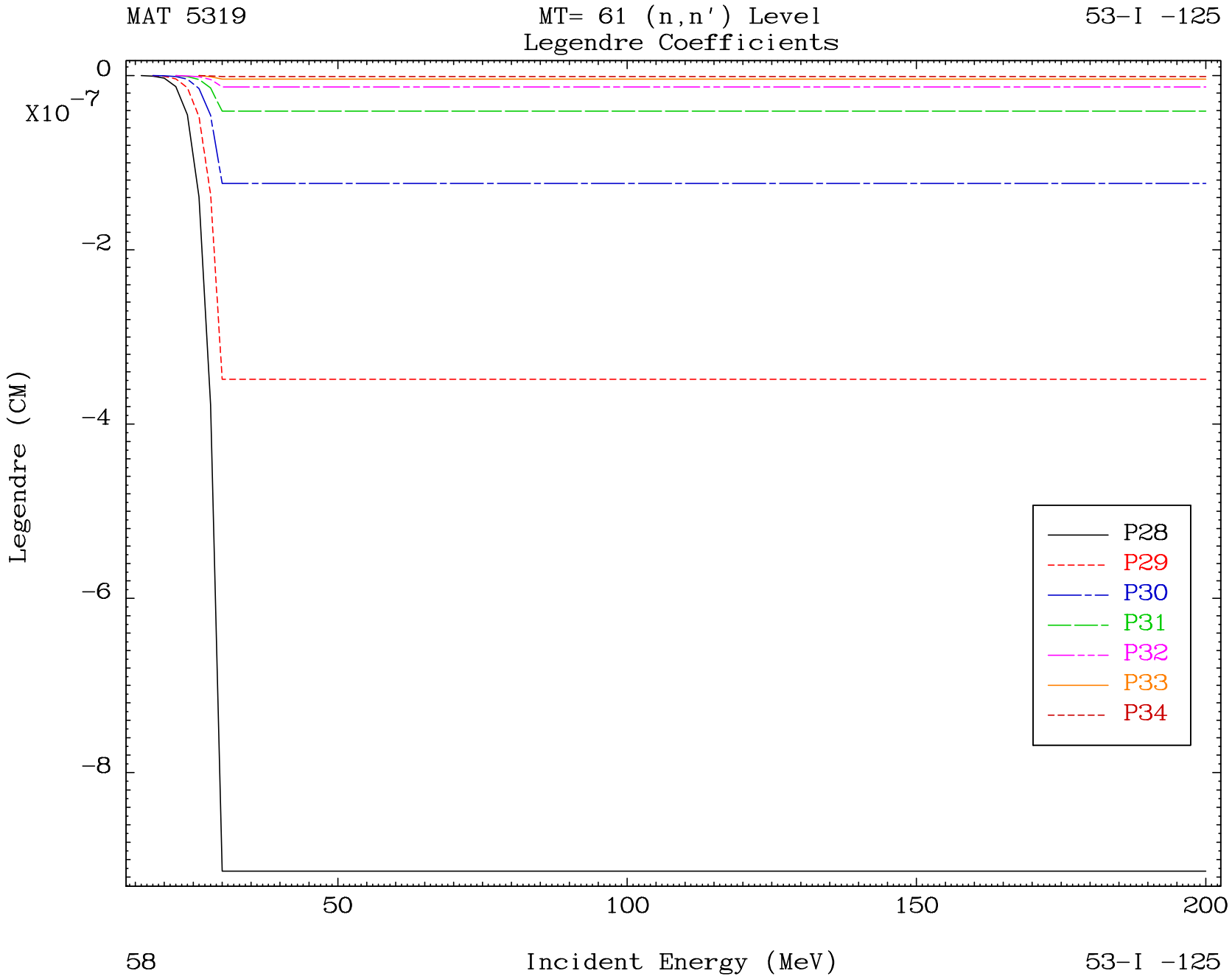

MAT 5319
MT= 60 (n,n') Level
Legendre Coefficients
53-I -125
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
53
Incident Energy (MeV)
53-I -125

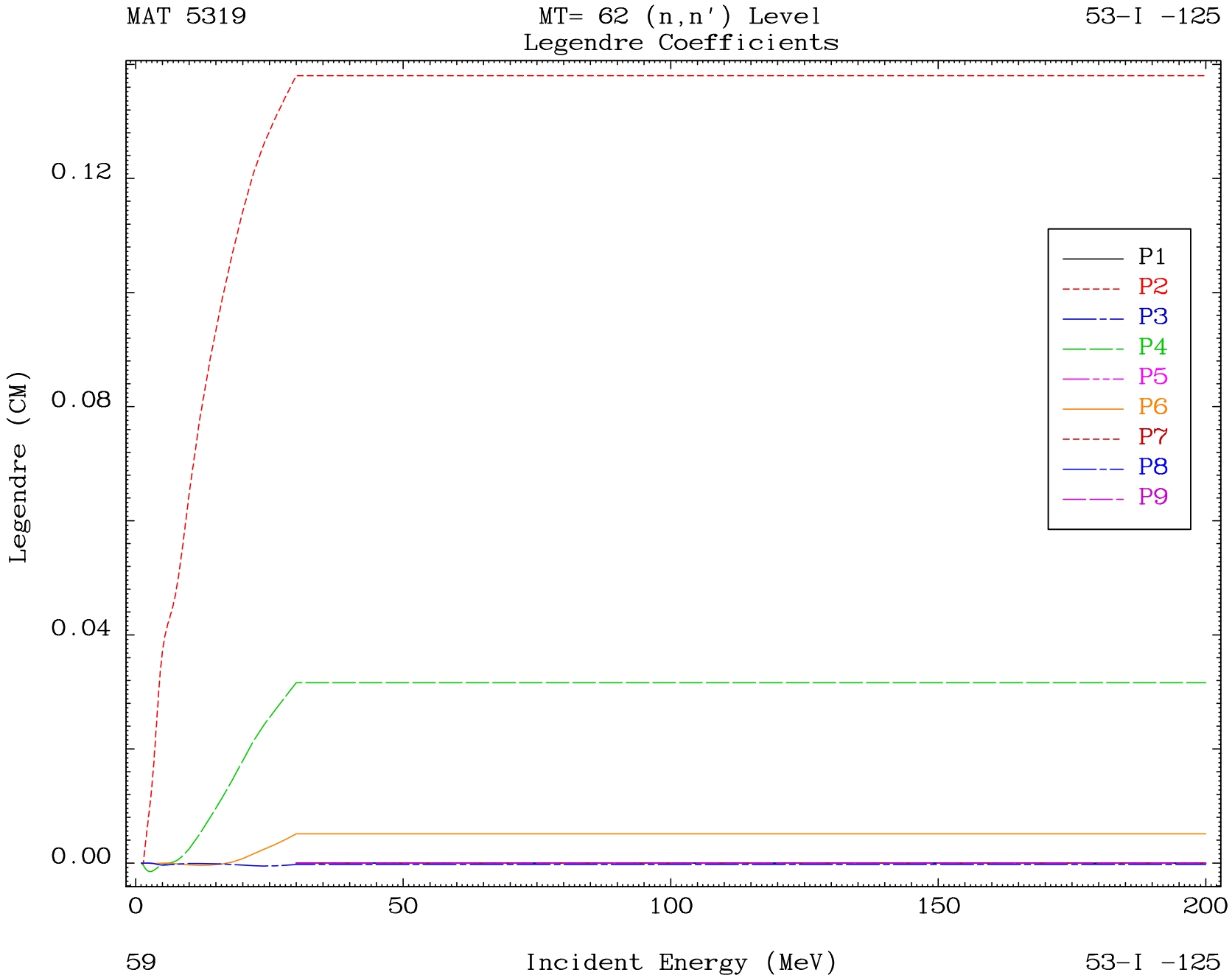

MAT 5319
MT= 60 (n,n') Level
Legendre Coefficients
53-I -125
0
X10-7
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
54
Incident Energy (MeV)
53-I -125

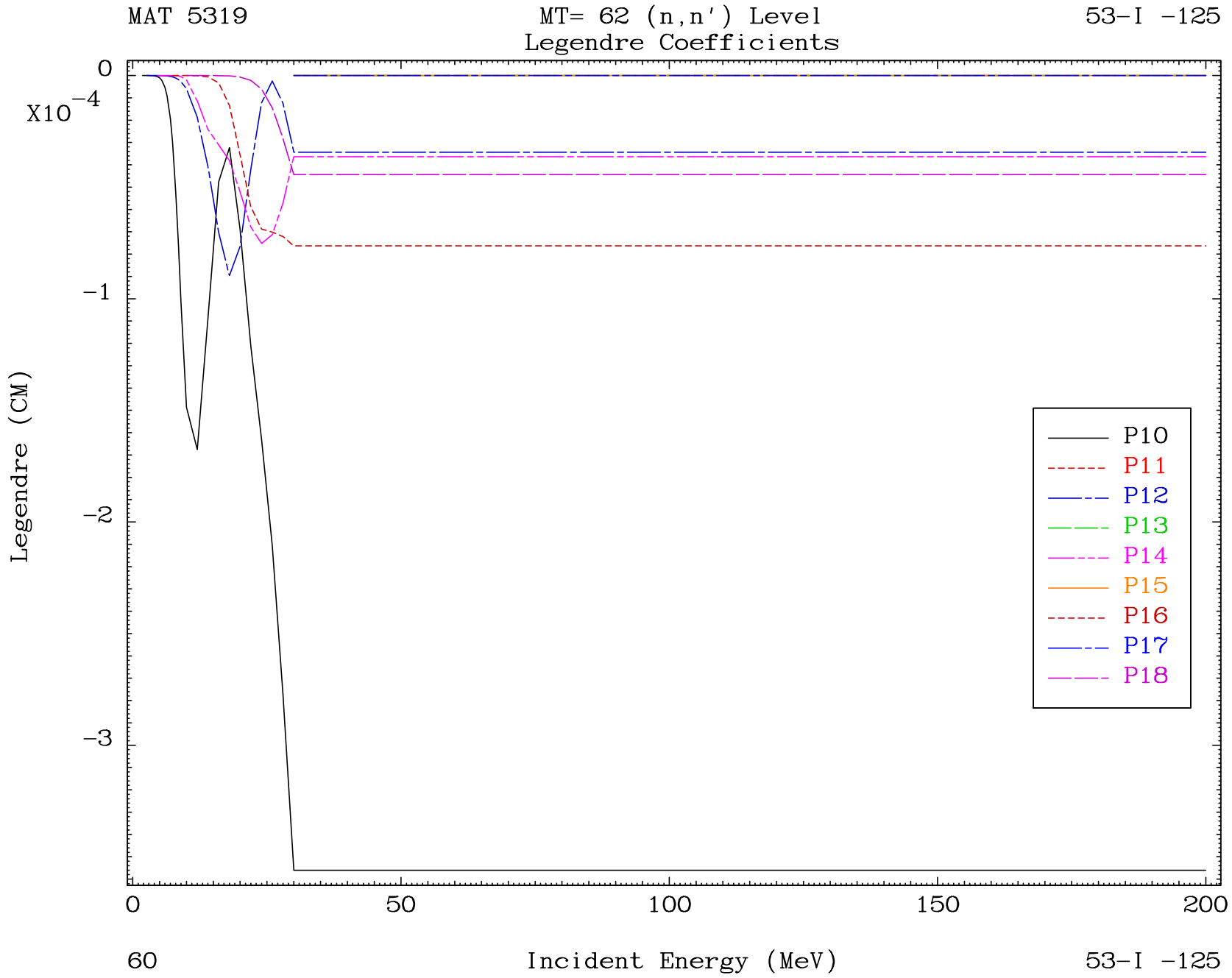

MAT 5319
MT= 61 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
55
Incident Energy (MeV)
53-I -125

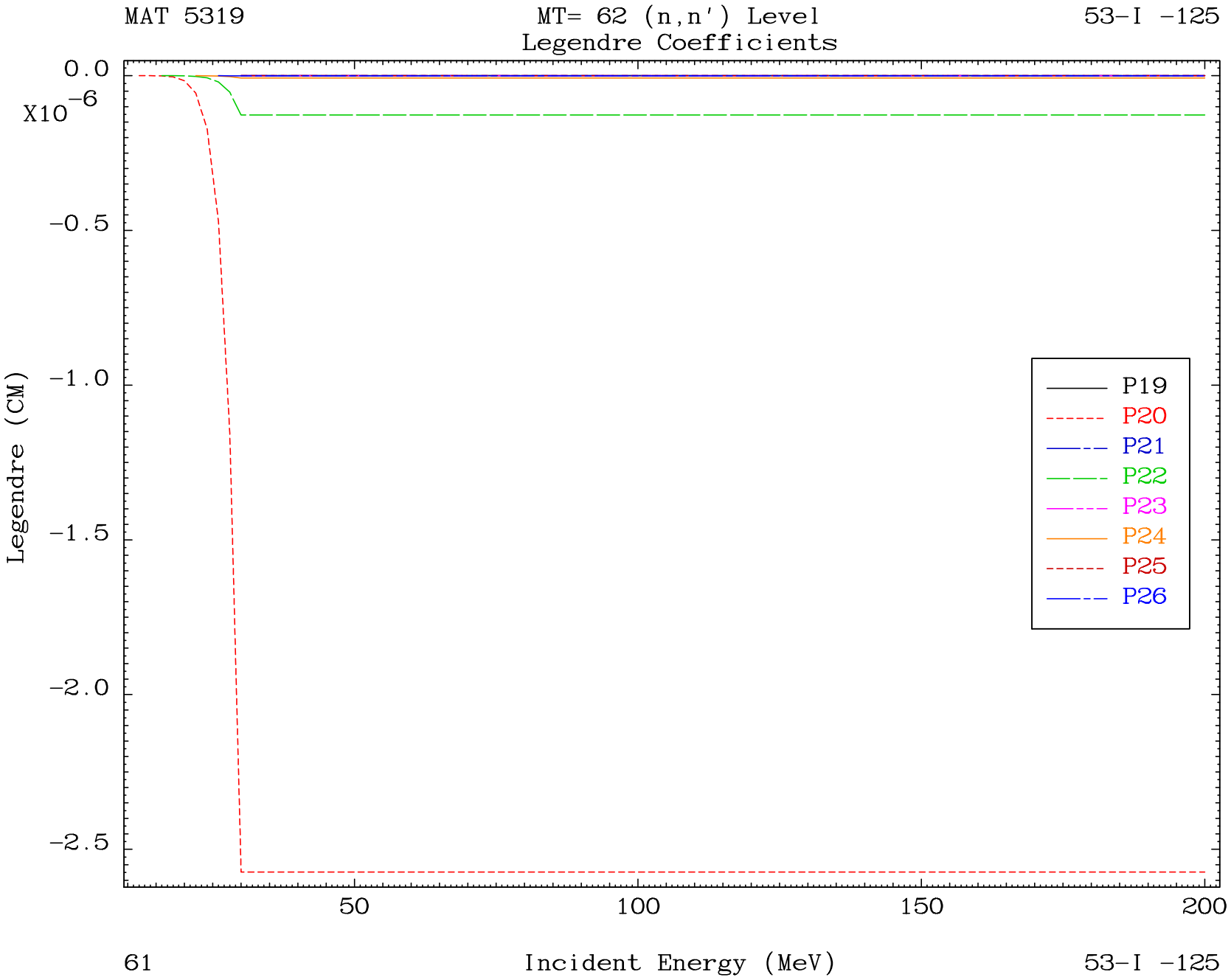

MAT 5319
MT= 61 (n,n') Level
Legendre Coefficients
53-I -125
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
56
Incident Energy (MeV)
53-I -125

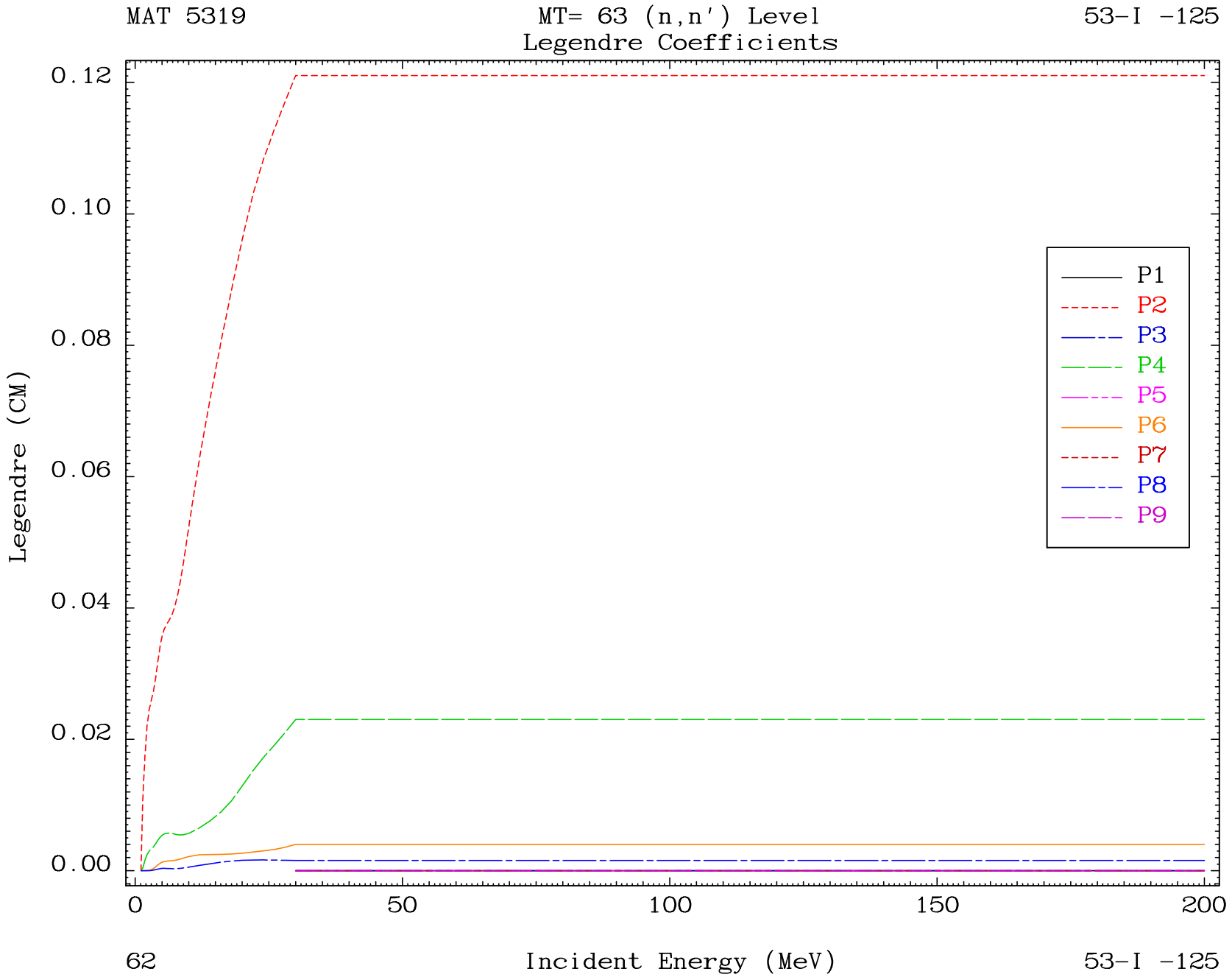

MAT 5319
MT= 61 (n,n') Level
Legendre Coefficients
53-I -125
X10-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26
P27

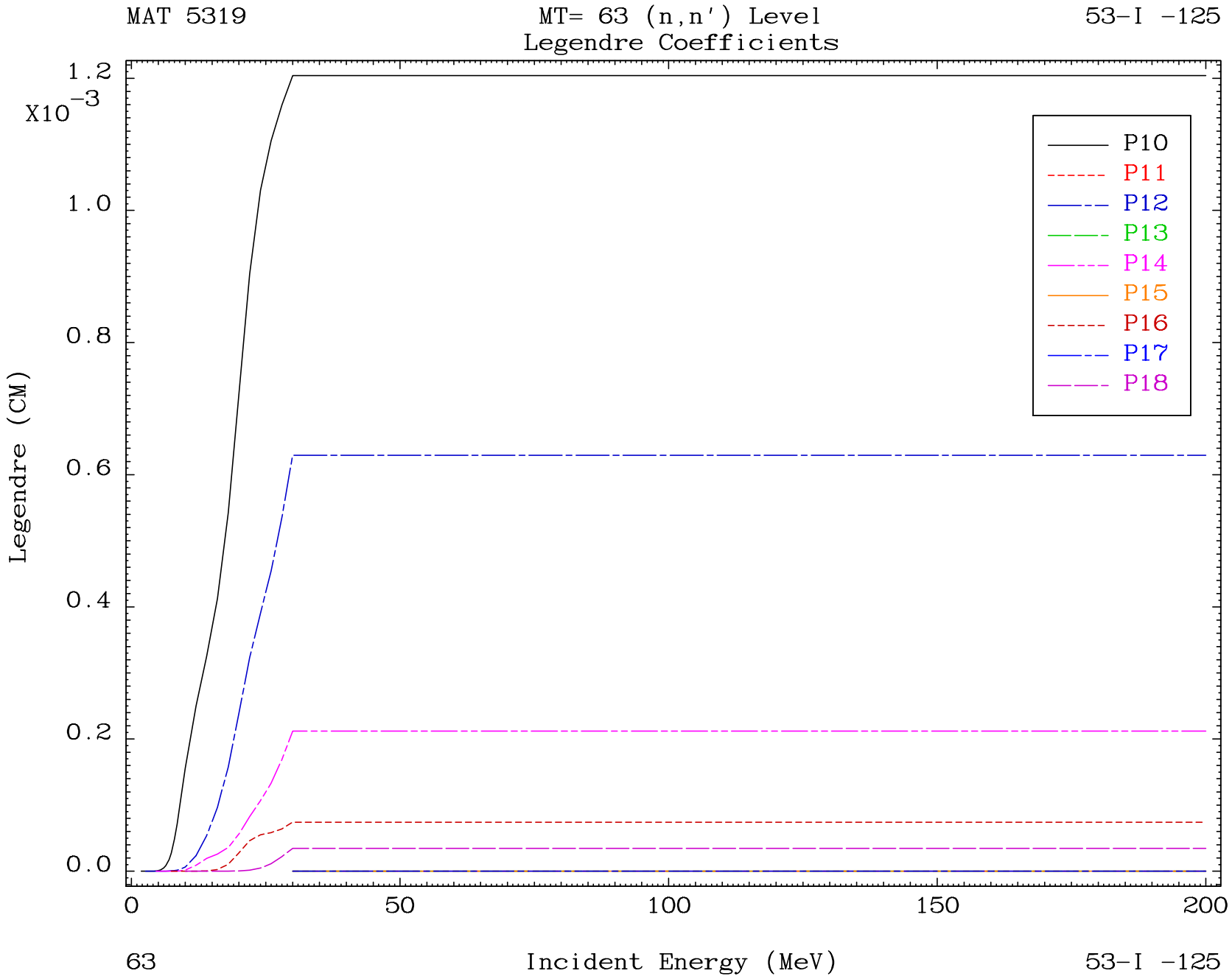

MAT 5319
MT= 61 (n,n') Level
Legendre Coefficients
53-I -125
X10-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
53-I -125
P28
P29
P30
P31
P32
P33
P34

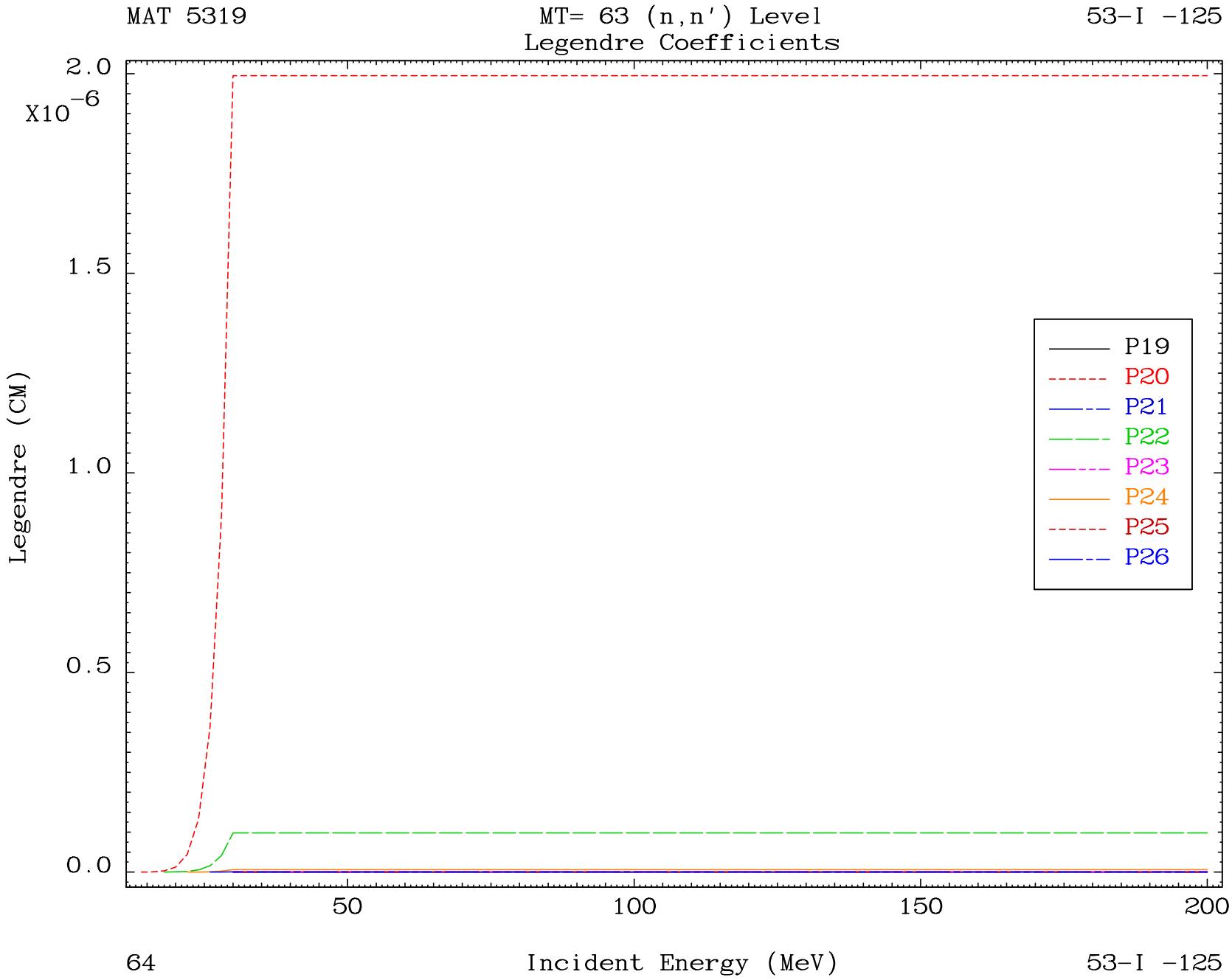

MAT 5319
MT= 62 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
59
Incident Energy (MeV)
53-I -125

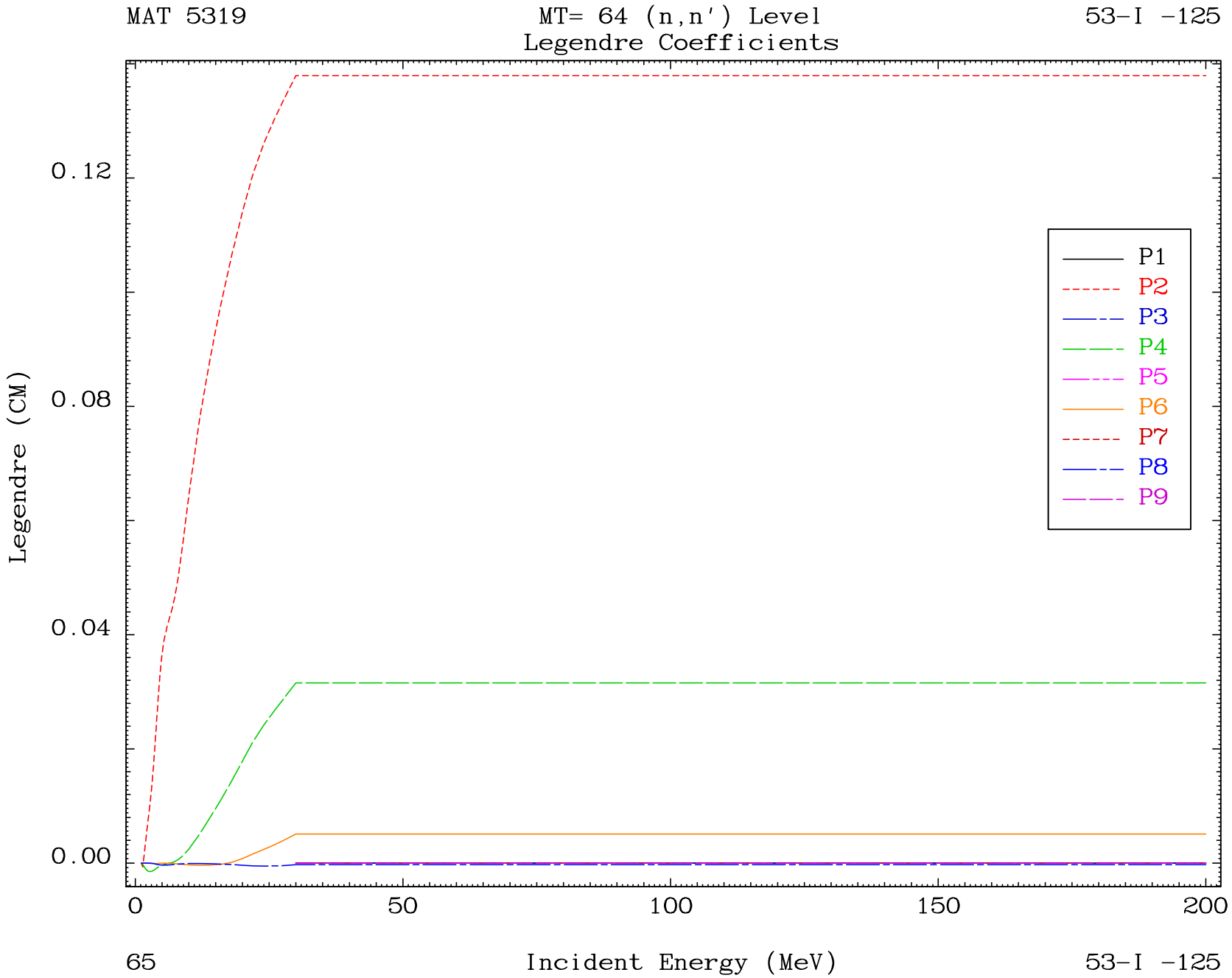

MAT 5319
MT= 62 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-4
-1
-2
-3
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
60
Incident Energy (MeV)
53-I -125

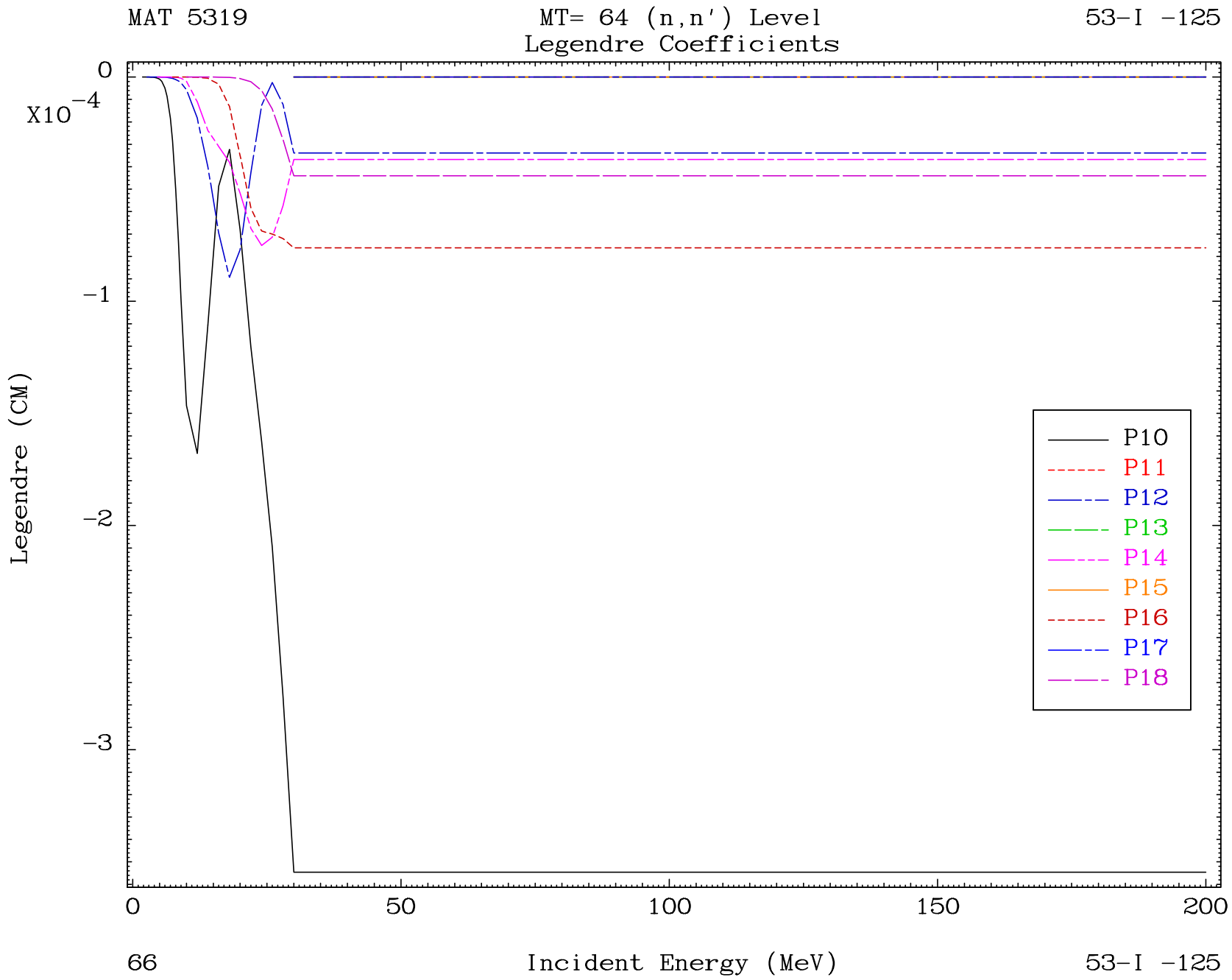

MAT 5319
MT= 62 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
61
Incident Energy (MeV)
53-I -125

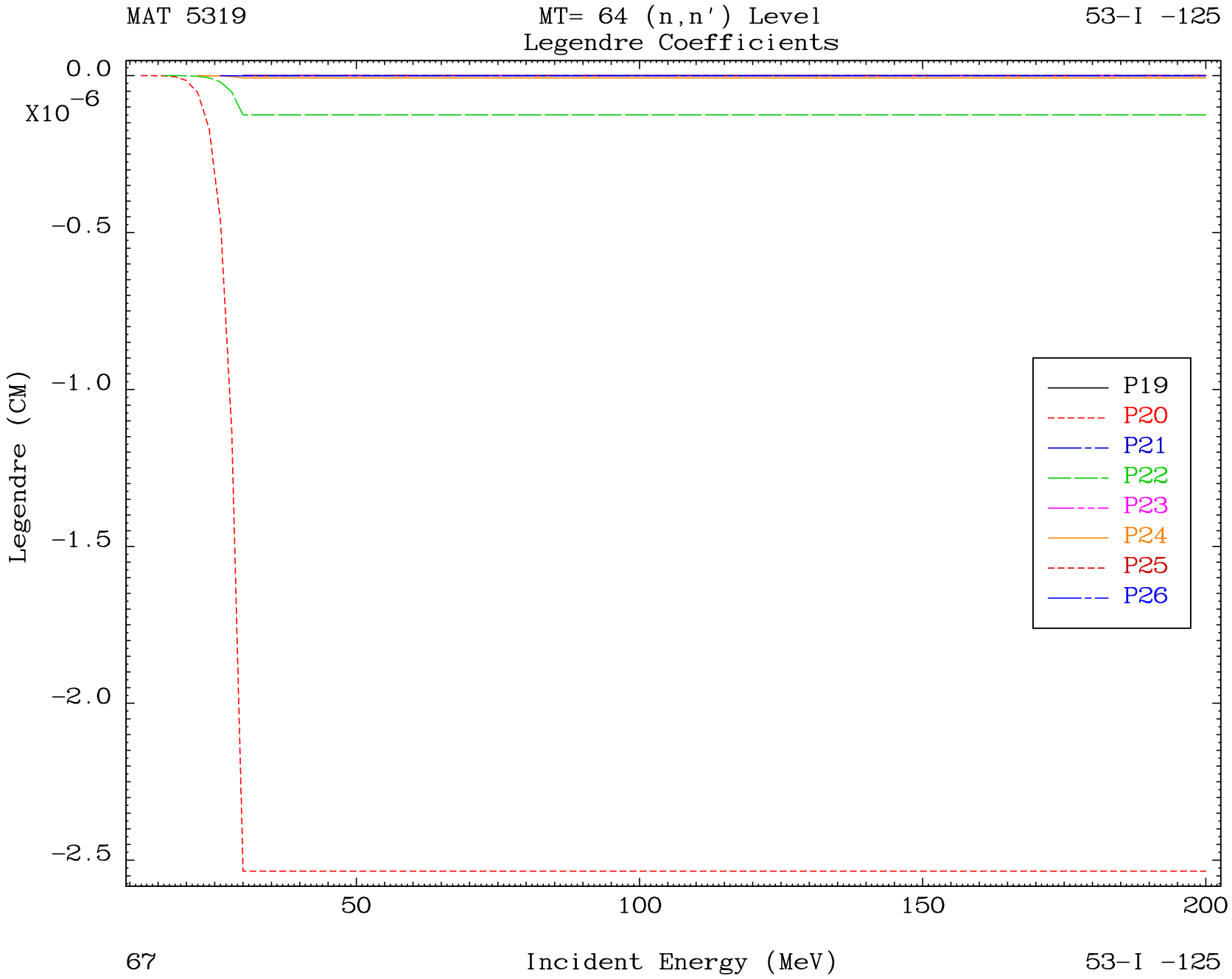

MAT 5319
MT= 63 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
62
Incident Energy (MeV)
53-I -125

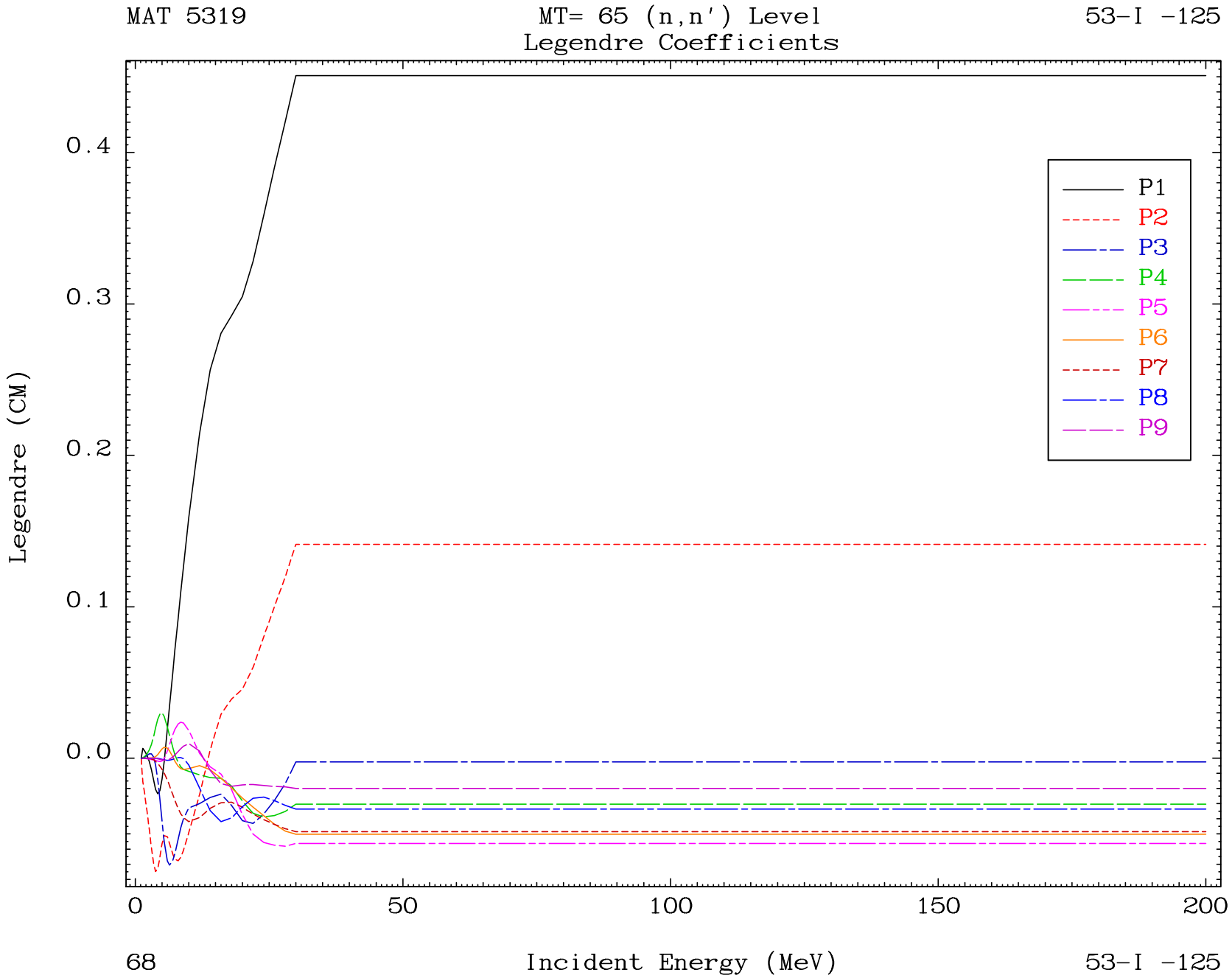

MAT 5319
MT= 63 (n,n') Level
Legendre Coefficients
53-I -125
X10-3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
63
Incident Energy (MeV)
53-I -125

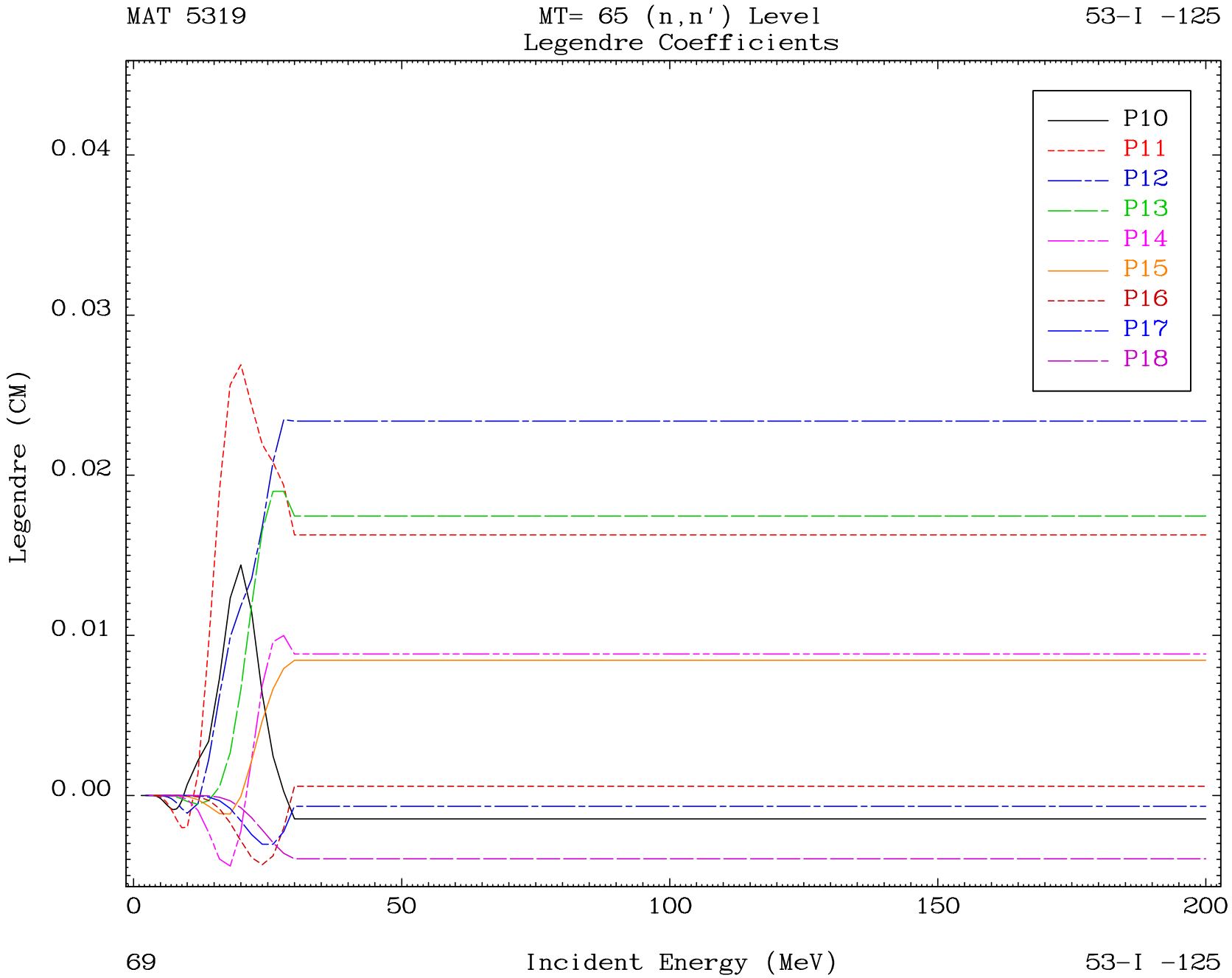

MAT 5319
MT= 63 (n,n') Level
Legendre Coefficients
53-I -125
2.0
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26

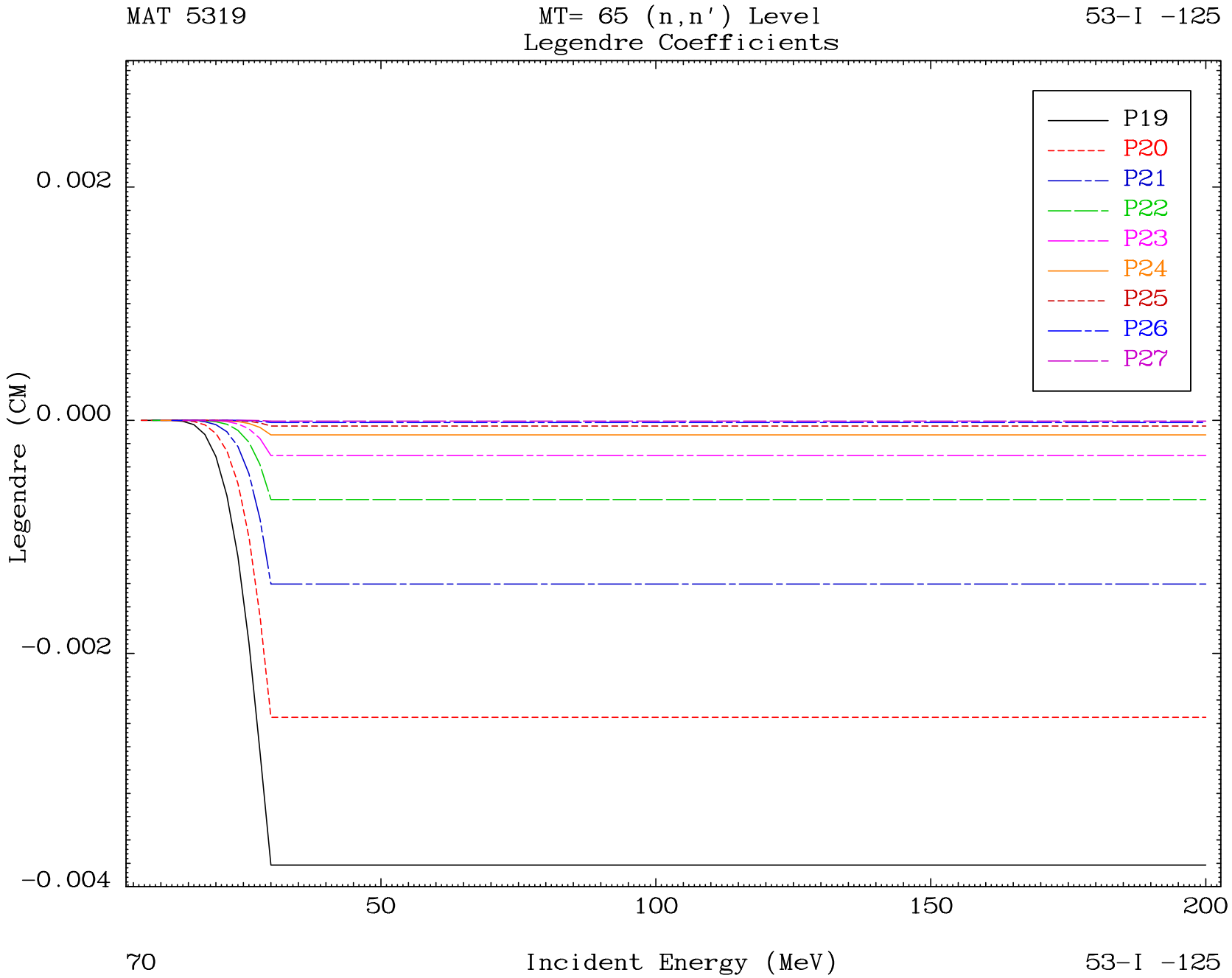

MAT 5319
MT= 64 (n,n') Level
Legendre Coefficients
53-I -125
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
65
Incident Energy (MeV)
53-I -125

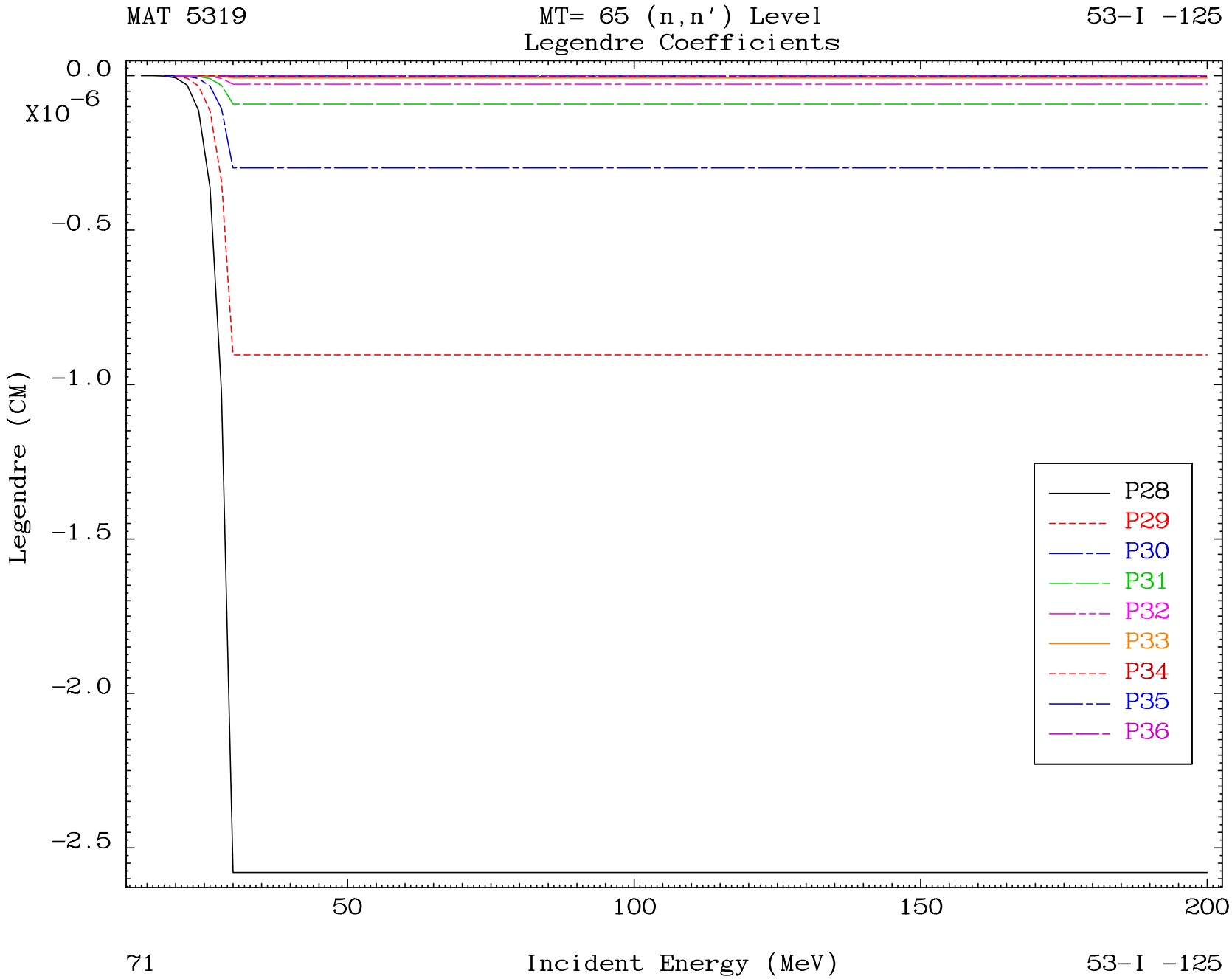

MAT 5319
MT= 64 (n,n') Level
Legendre Coefficients
53-I -125
0
X10^-4
-1
-2
-3
Legendre (CM)
0
50
100
150
200
66
Incident Energy (MeV)
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18

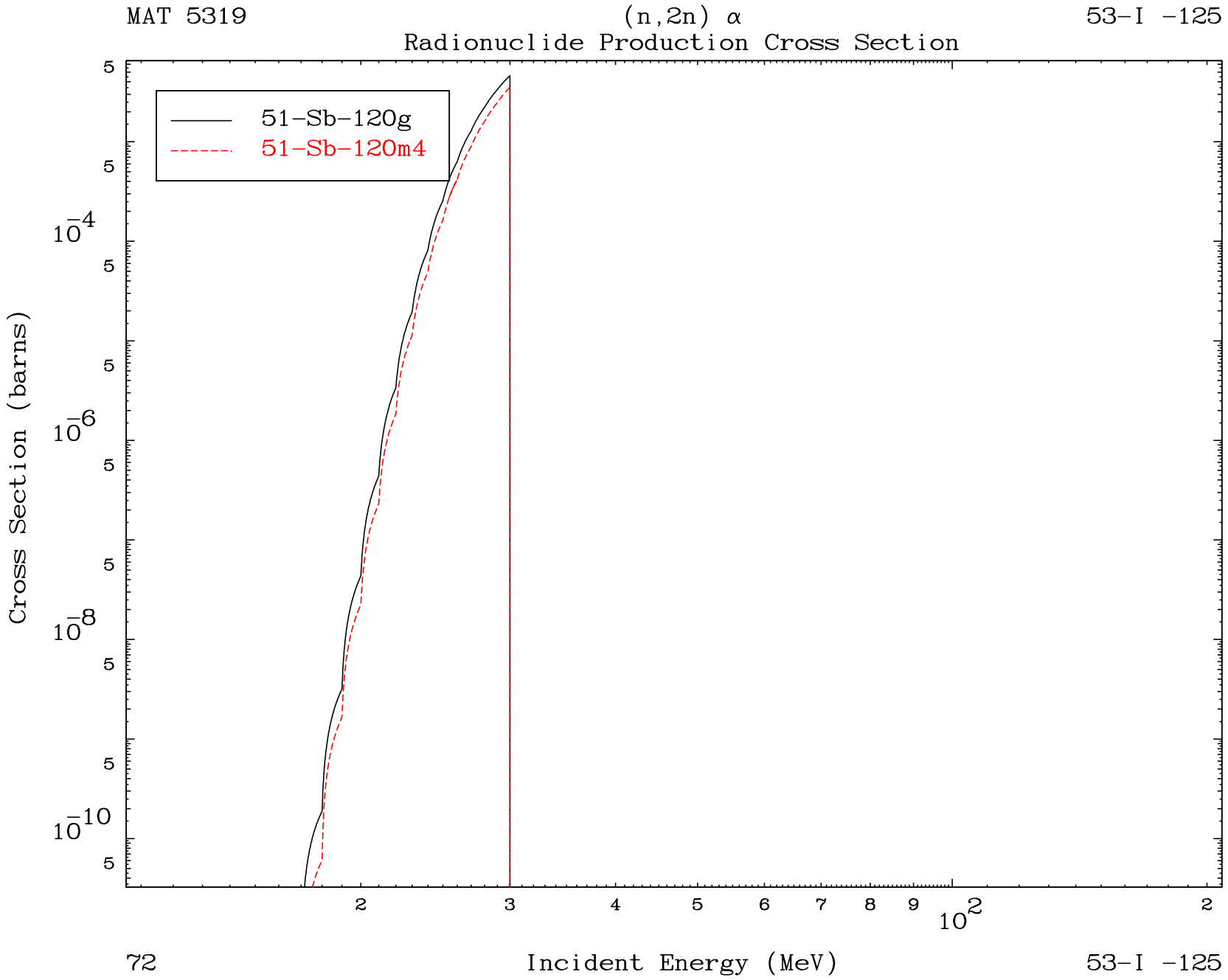

MAT 5319
MT= 64 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26

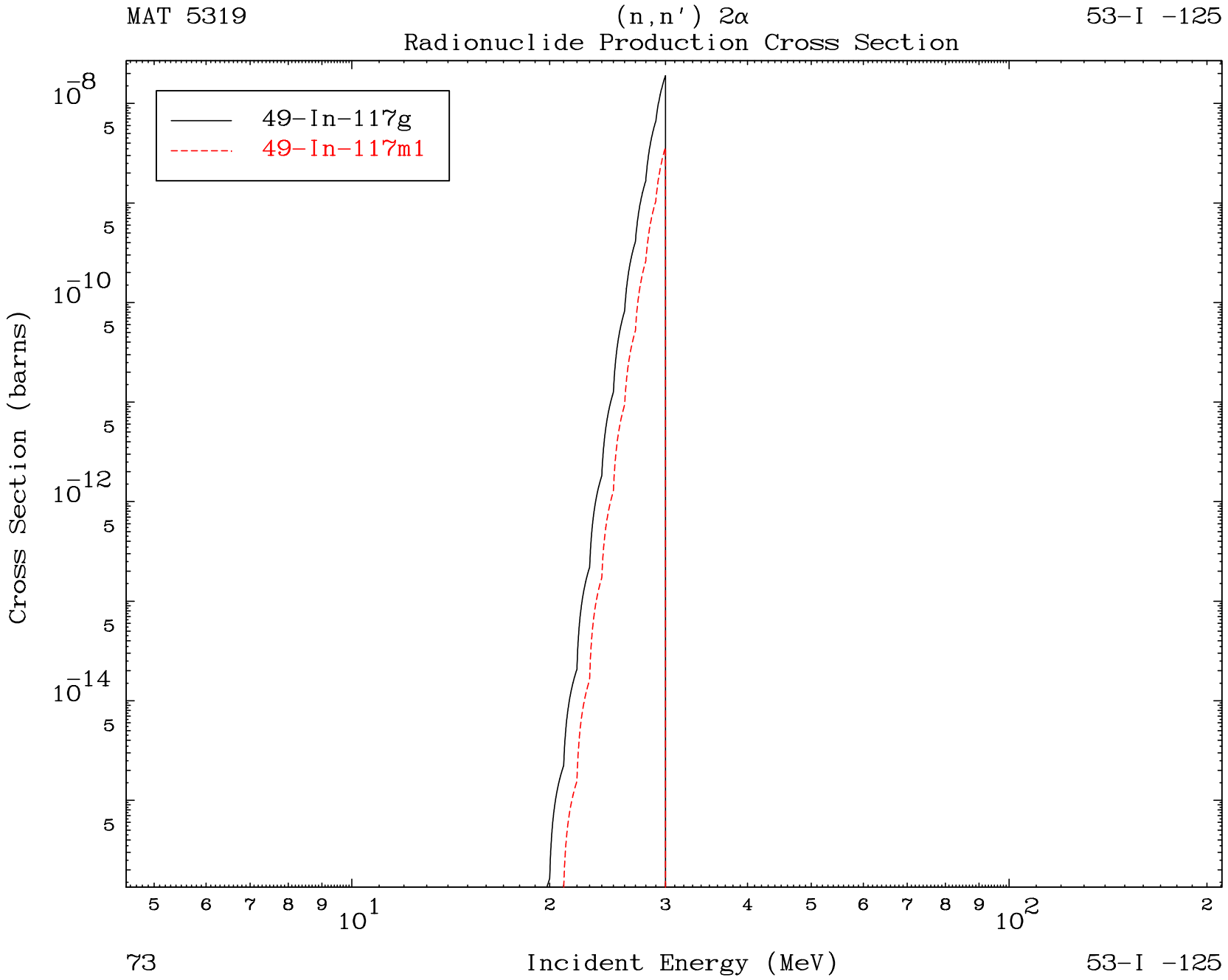

MAT 5319
MT= 65 (n,n') Level
Legendre Coefficients
53-I -125
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
68
Incident Energy (MeV)
53-I -125

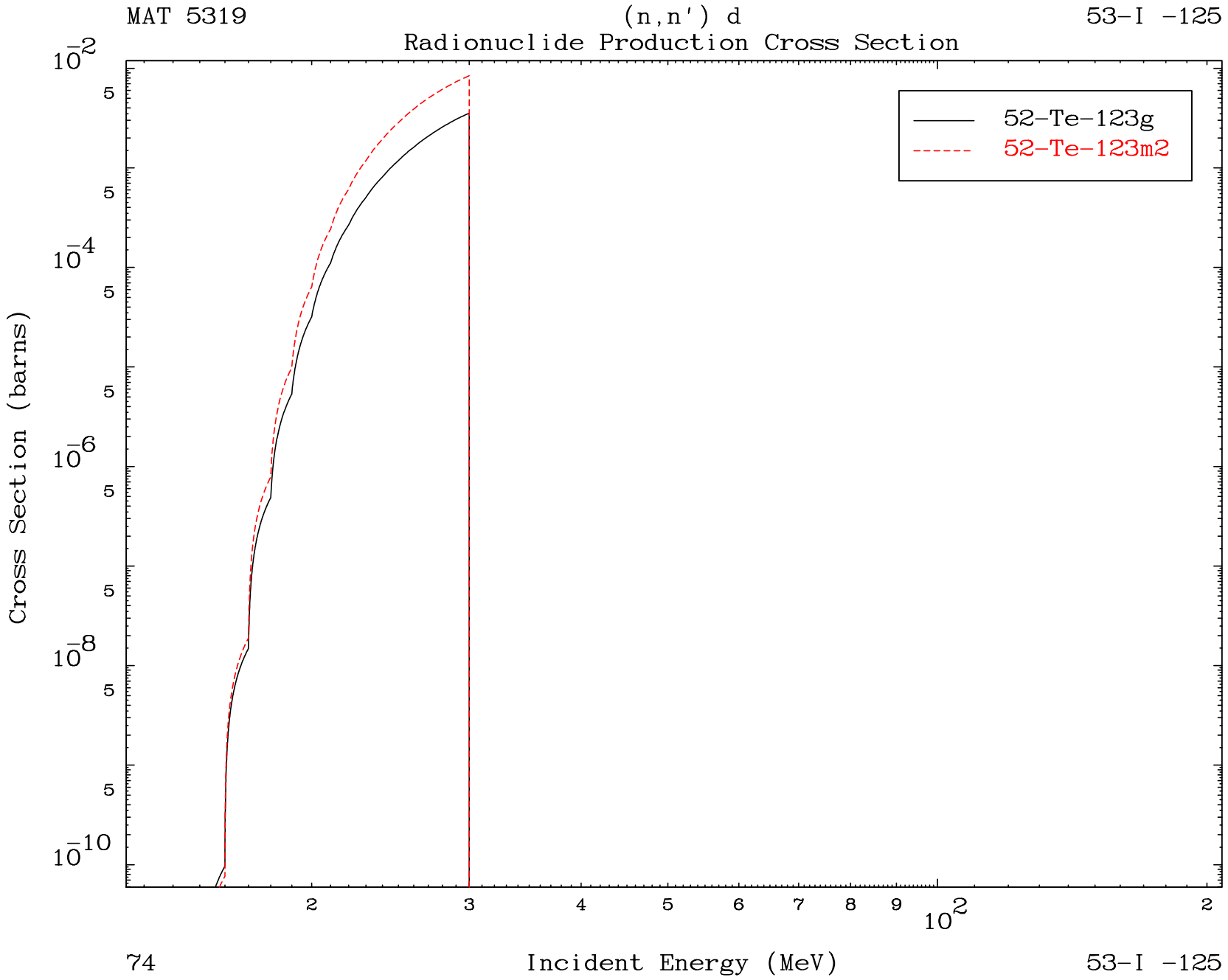

MAT 5319
MT= 65 (n,n') Level
Legendre Coefficients
53-I -125
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
53-I -125

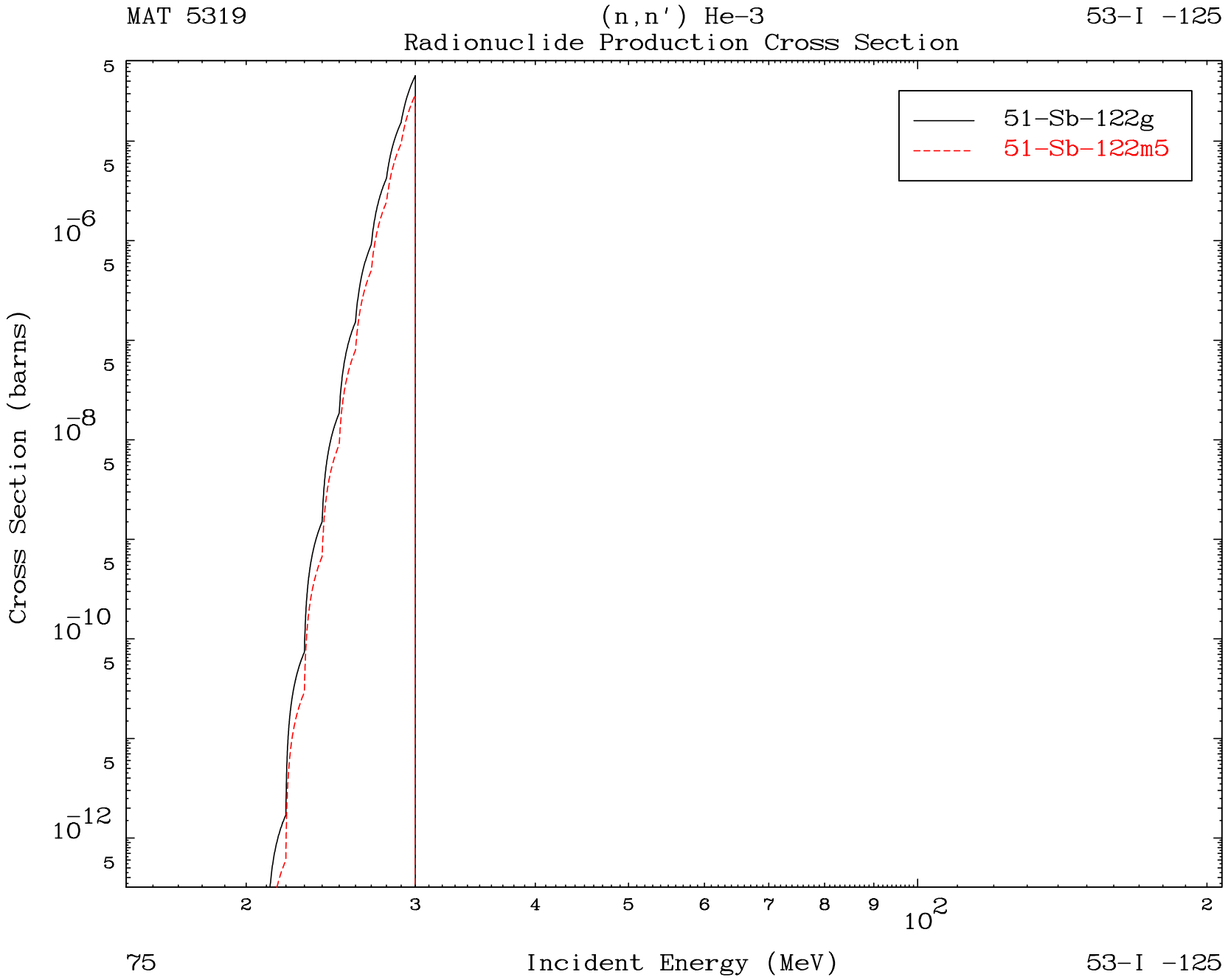

MAT 5319
MT= 65 (n,n') Level
Legendre Coefficients
53-I -125
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
70
50
100
150
200
Incident Energy (MeV)
53-I -125

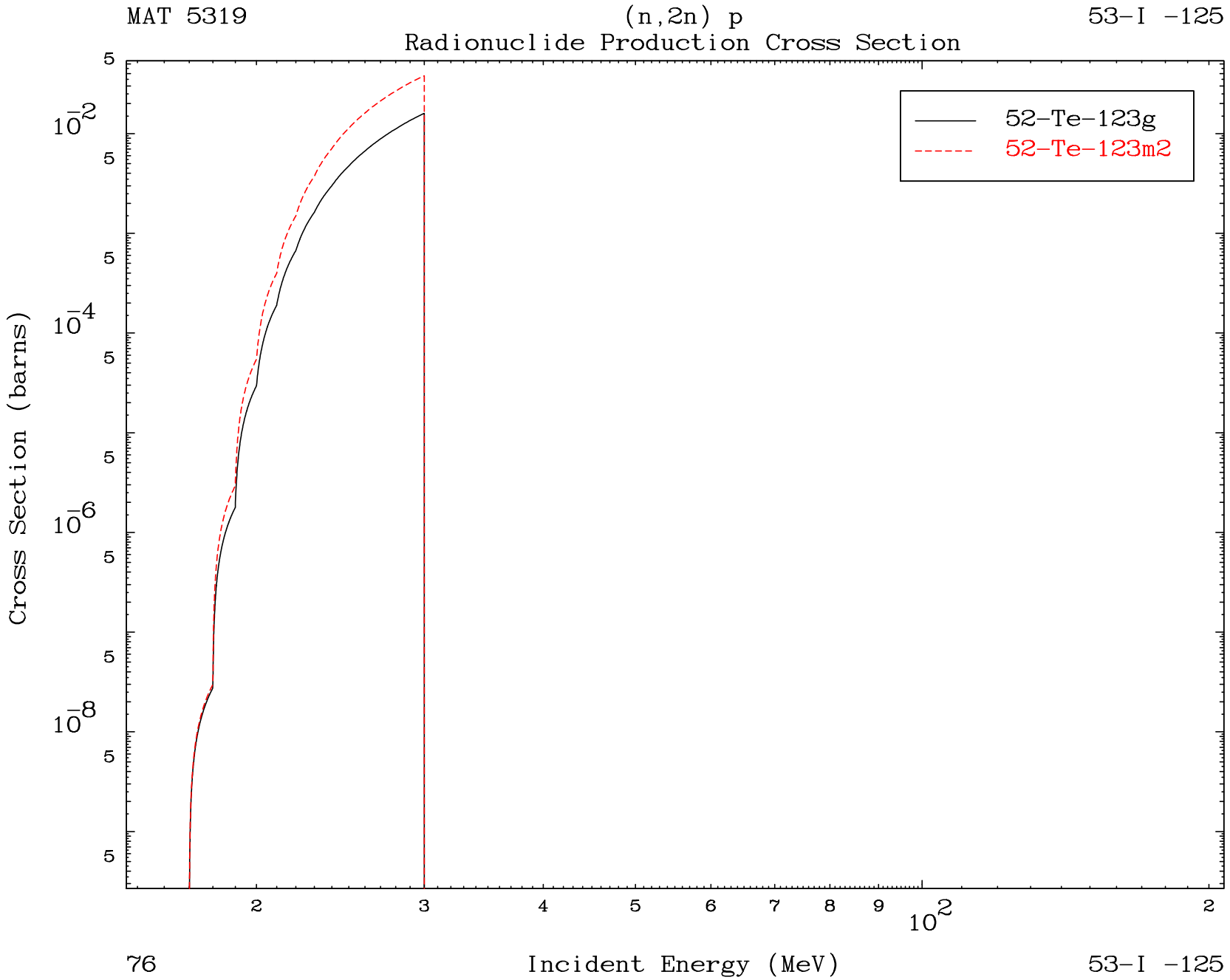

MAT 5319
MT= 65 (n,n') Level
Legendre Coefficients
53-I -125
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
53-I -125
P28
P29
P30
P31
P32
P33
P34
P35
P36

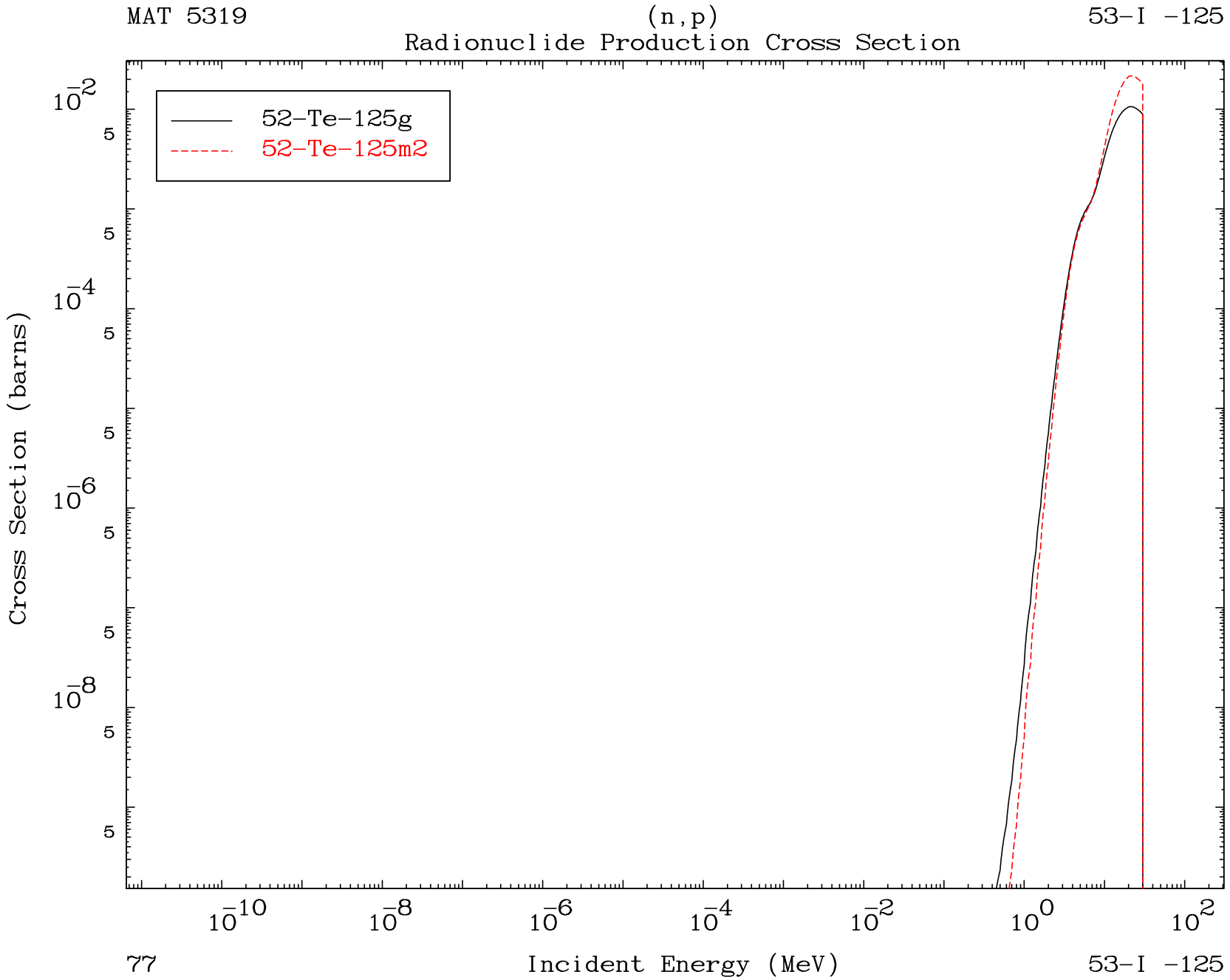

MAT 5319
(n,2n) α
53-I -125
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
72
Incident Energy (MeV)
53-I -125

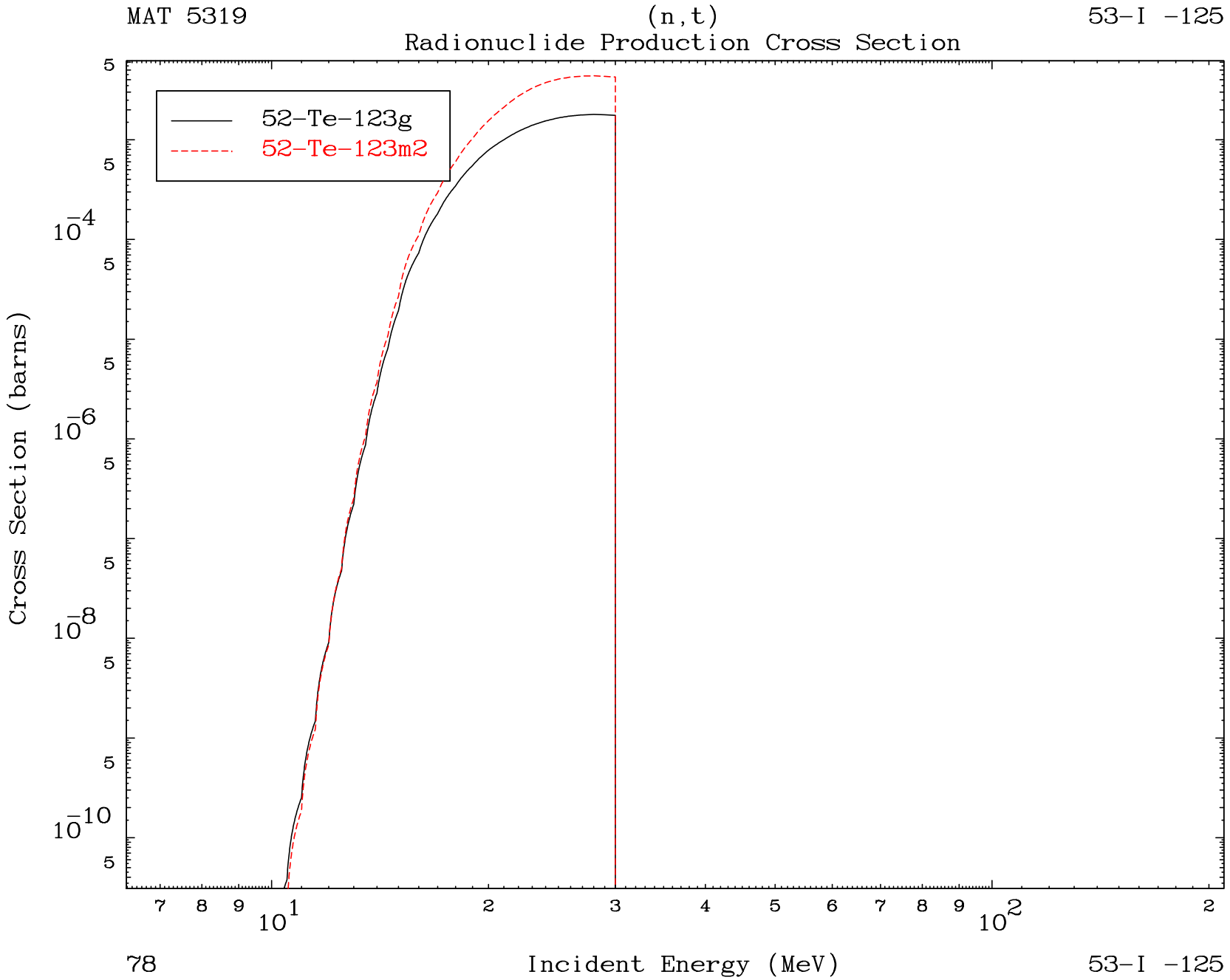

MAT 5319
(n,n') 2α
53-I -125
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
2
3
4
5
6
7
8
9
10^2
2
73
Incident Energy (MeV)
53-I -125

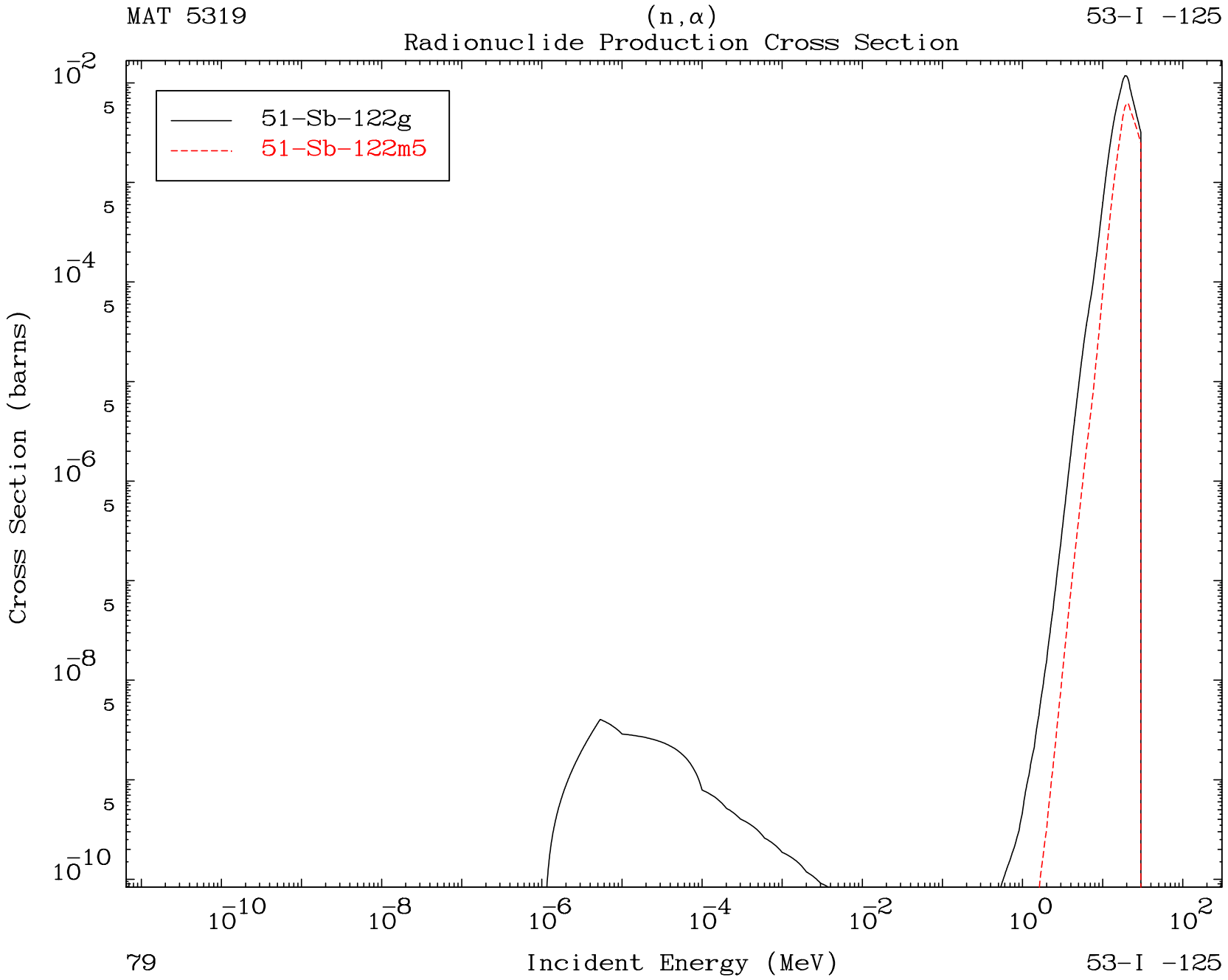

MAT 5319
(n,n') d
53-I -125
Radionuclide Production Cross Section
52-Te-123g
52-Te-123m2
Cross Section (barns)
Incident Energy (MeV)
74
53-I -125

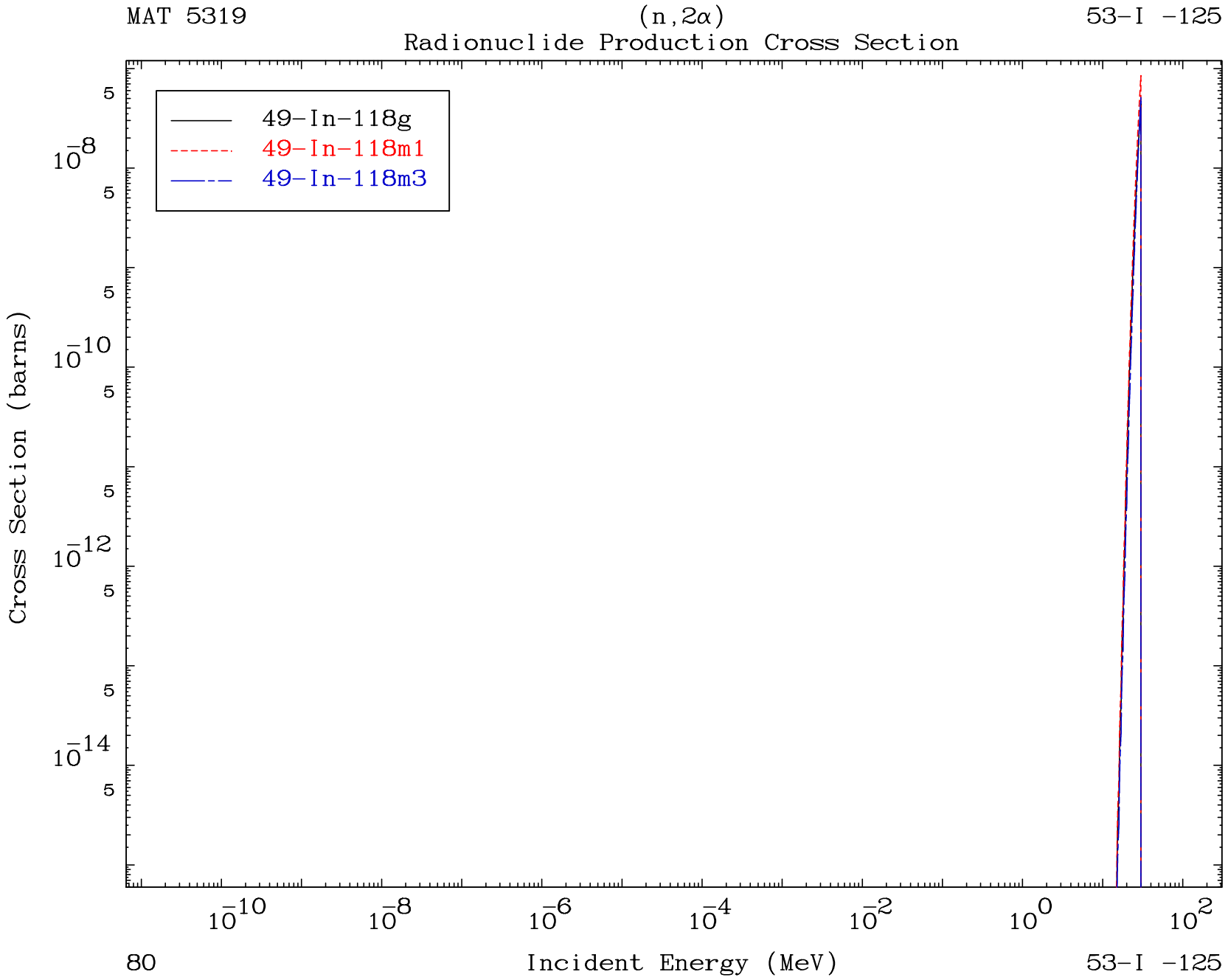

MAT 5319
(n,n') He-3
53-I -125
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
75
Incident Energy (MeV)
53-I -125

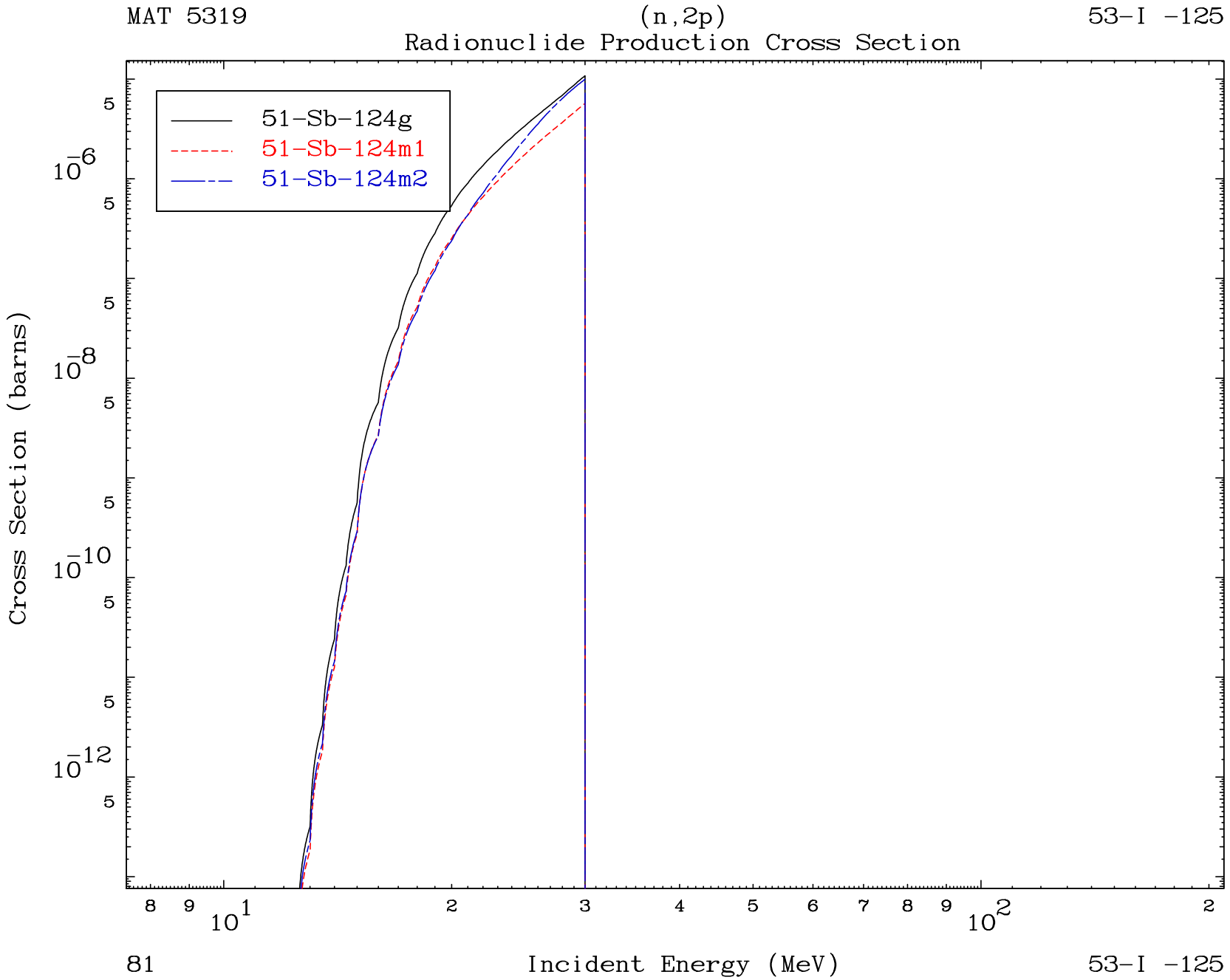

MAT 5319
(n,2n) p
53-I -125
Radionuclide Production Cross Section
52-Te-123g
52-Te-123m2
Cross Section (barns)
Incident Energy (MeV)
76
53-I -125

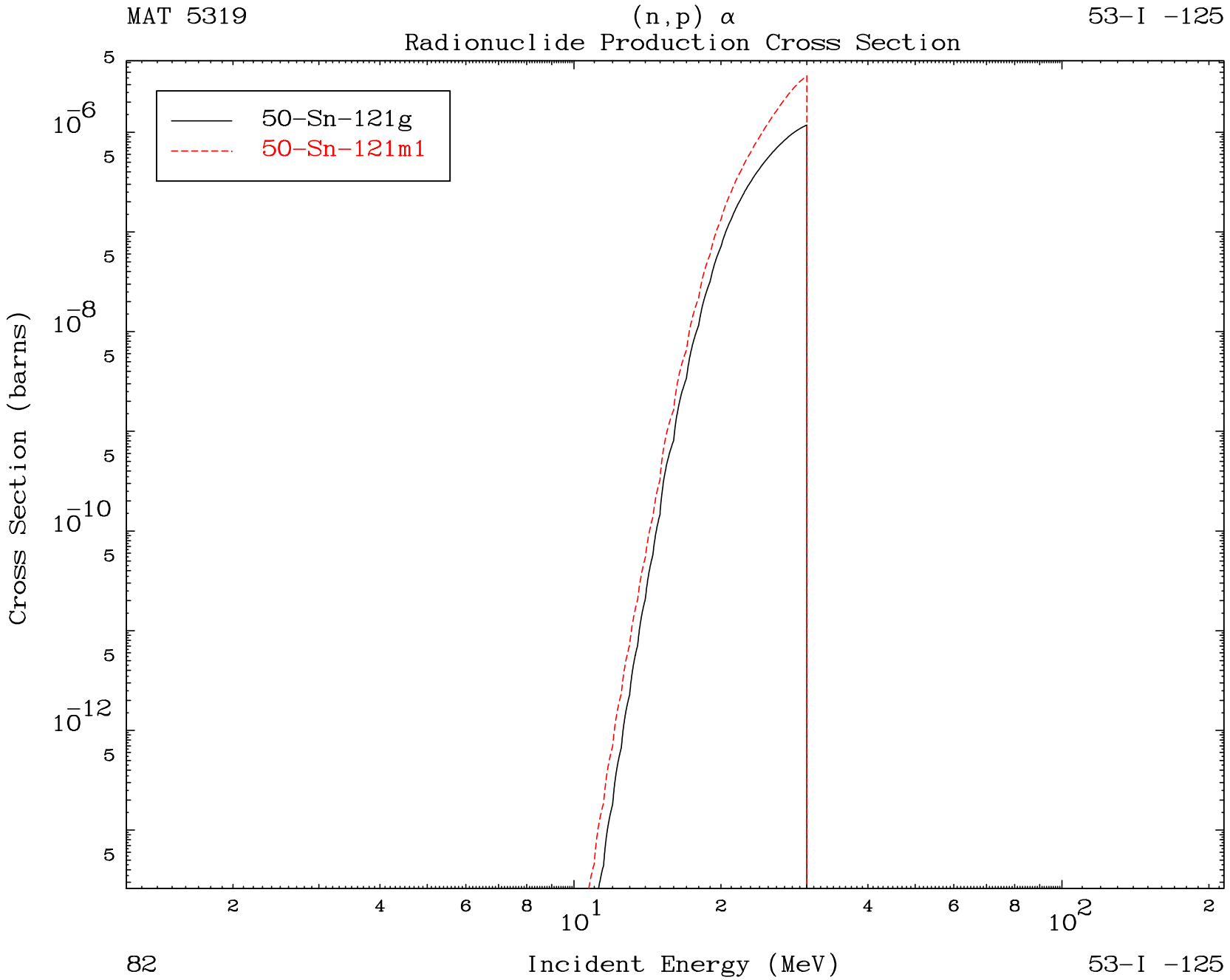

MAT 5319
(n,p)
53-I -125
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
77
53-I -125

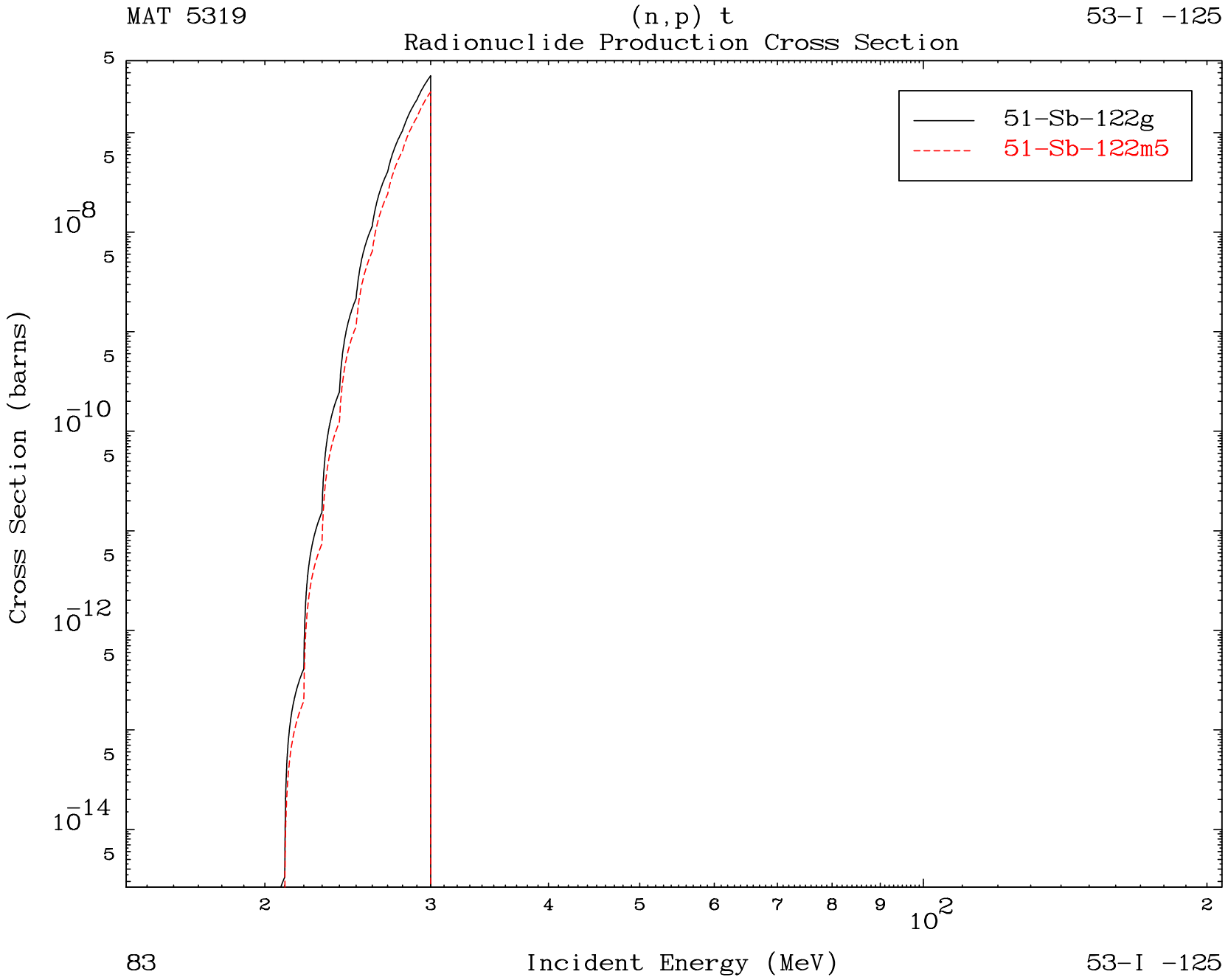

MAT 5319
(n,t)
53-I -125
Radionuclide Production Cross Section
52-Te-123g
52-Te-123m2
Cross Section (barns)
Incident Energy (MeV)
78
53-I -125


MAT 5319
(n,α)
53-I -125
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
Incident Energy (MeV)
79
53-I -125


MAT 5319
(n,2α)
53-I -125
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
Incident Energy (MeV)
80
53-I -125


MAT 5319
(n,2p)
53-I -125
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
81
Incident Energy (MeV)
53-I -125


MAT 5319
(n,p) α
53-I -125
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
Incident Energy (MeV)
82
53-I -125


MAT 5319
(n,p) t
53-I -125
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
10-8
10-10
10-12
10-14
2
3
4
5
6
7
8
9
10 2
2
83
Incident Energy (MeV)
53-I -125