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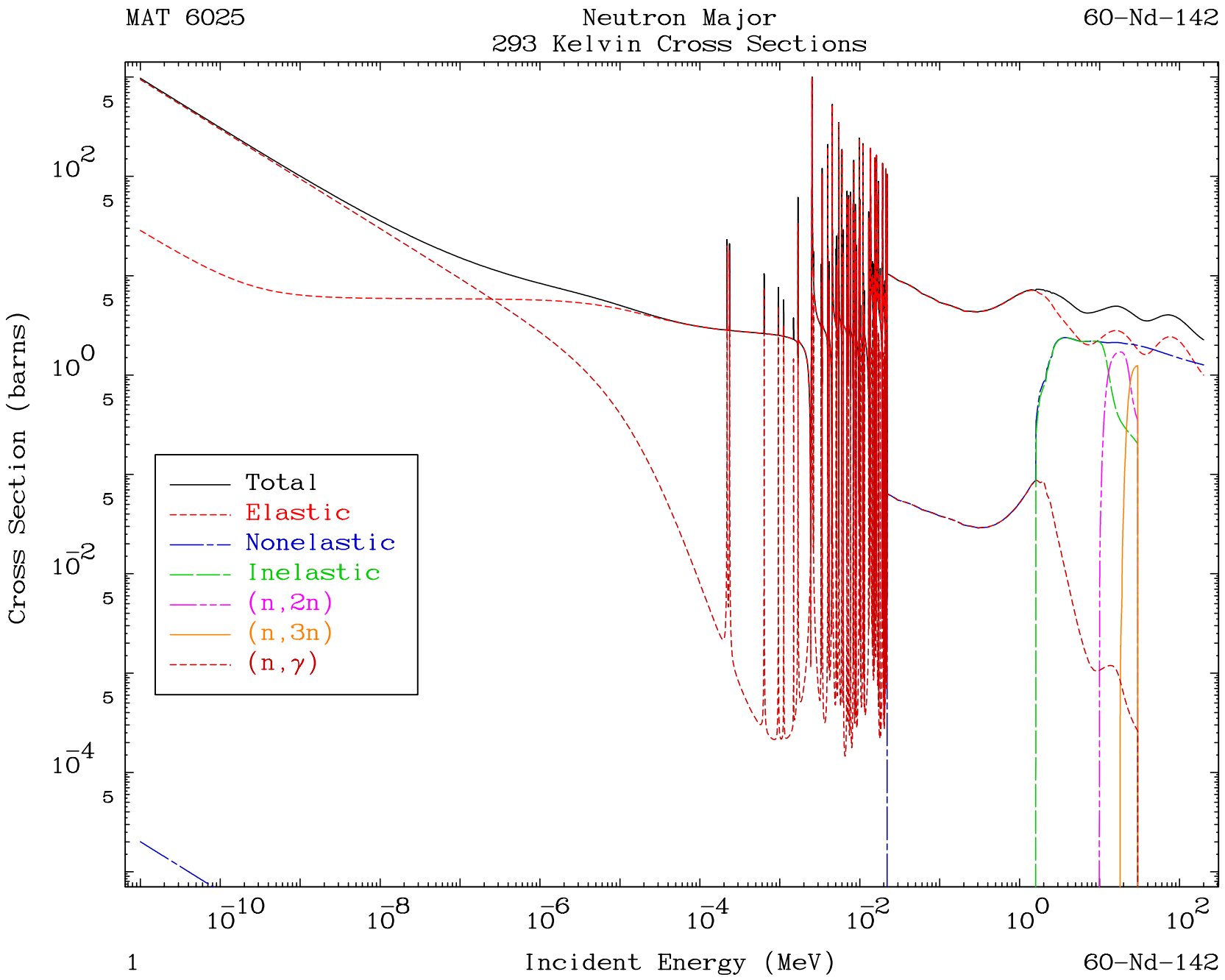
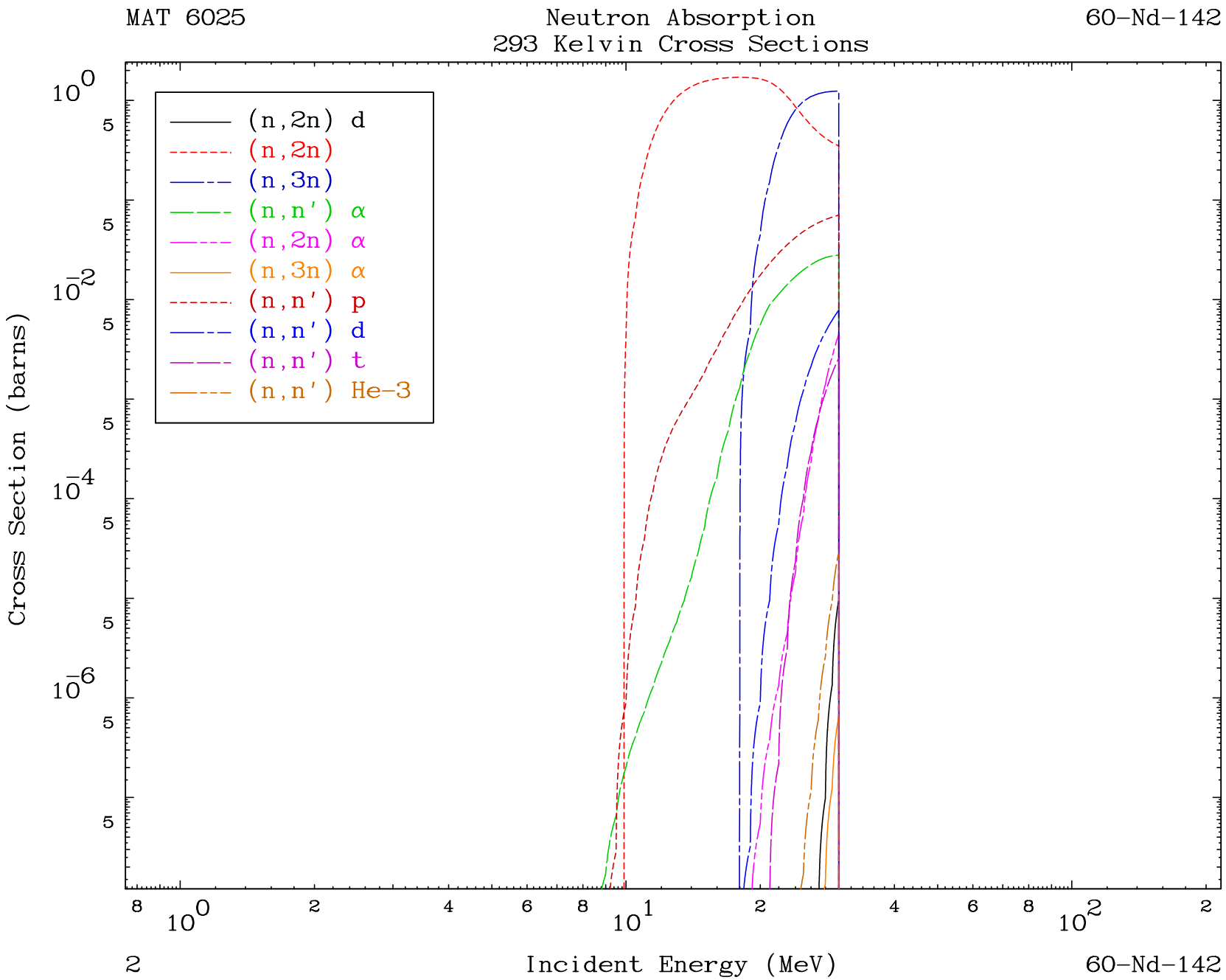
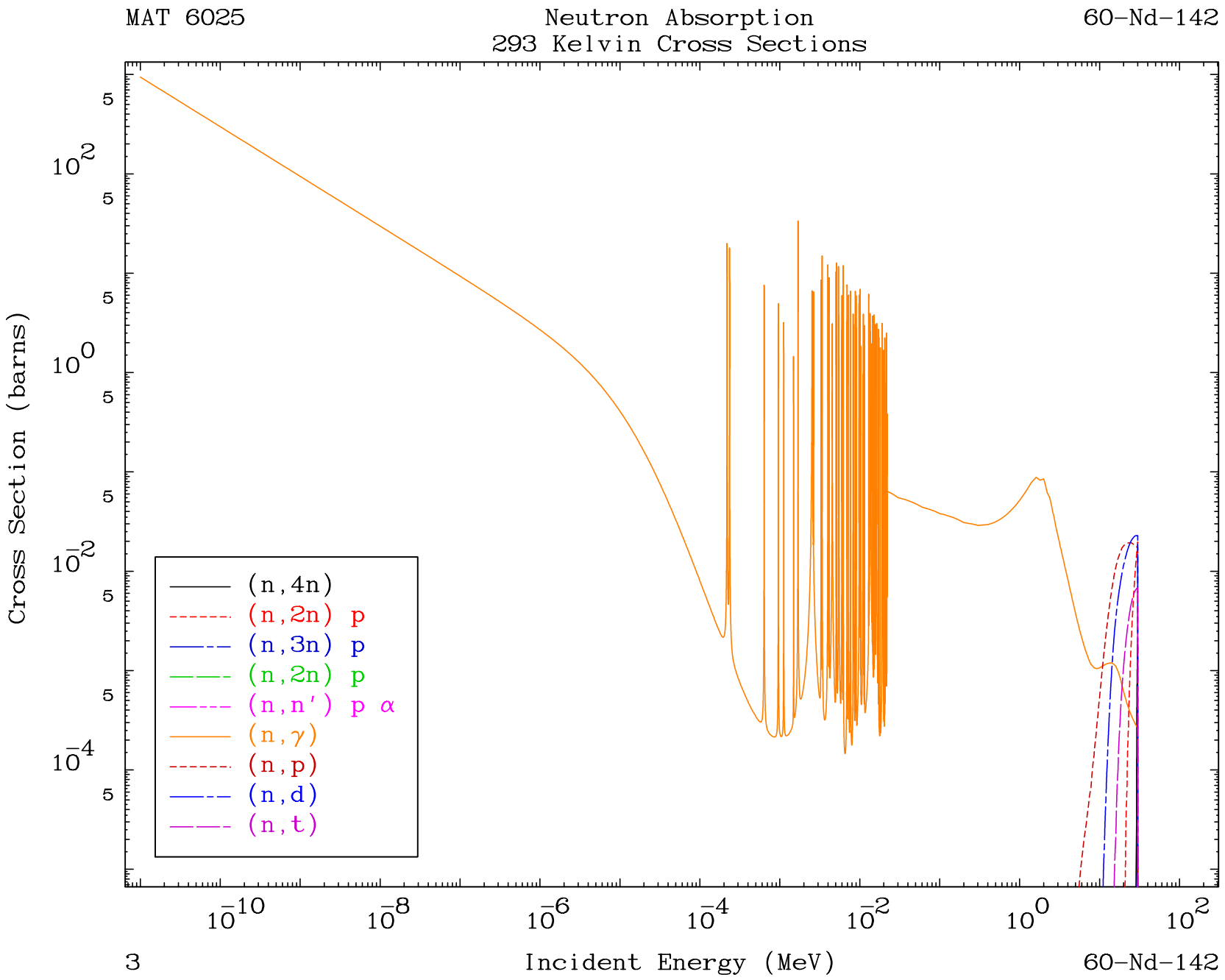
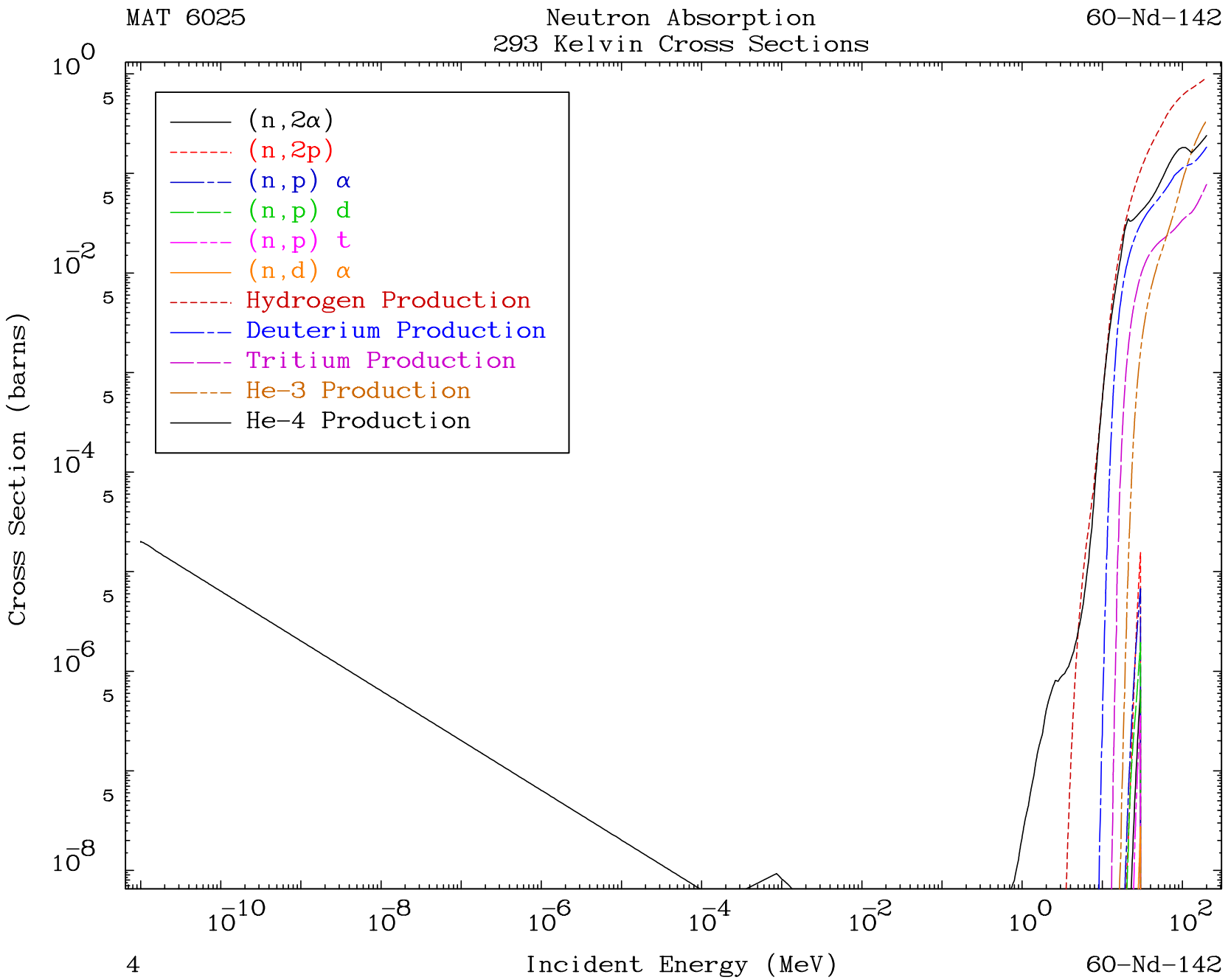
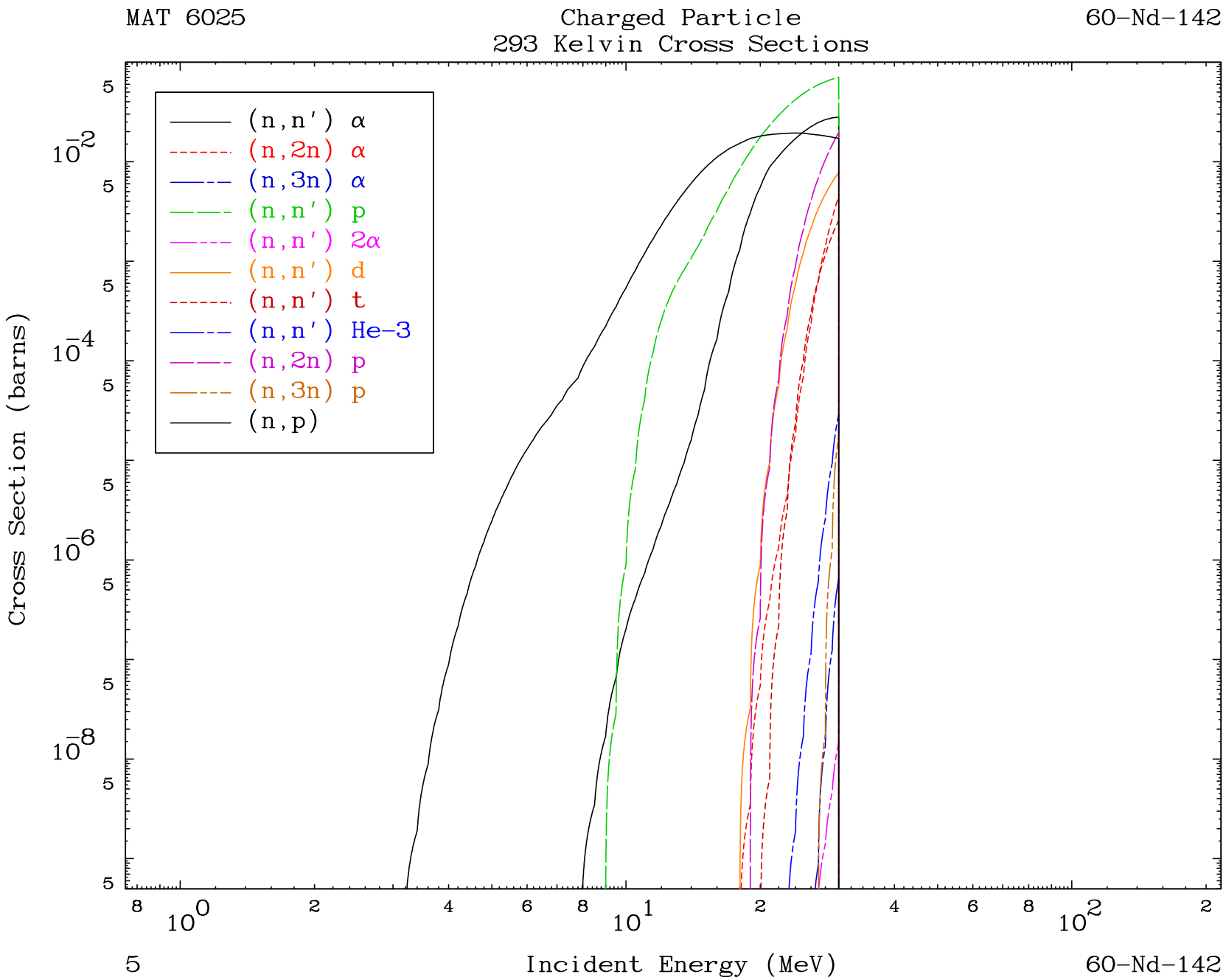
Press Mouse Button to Start

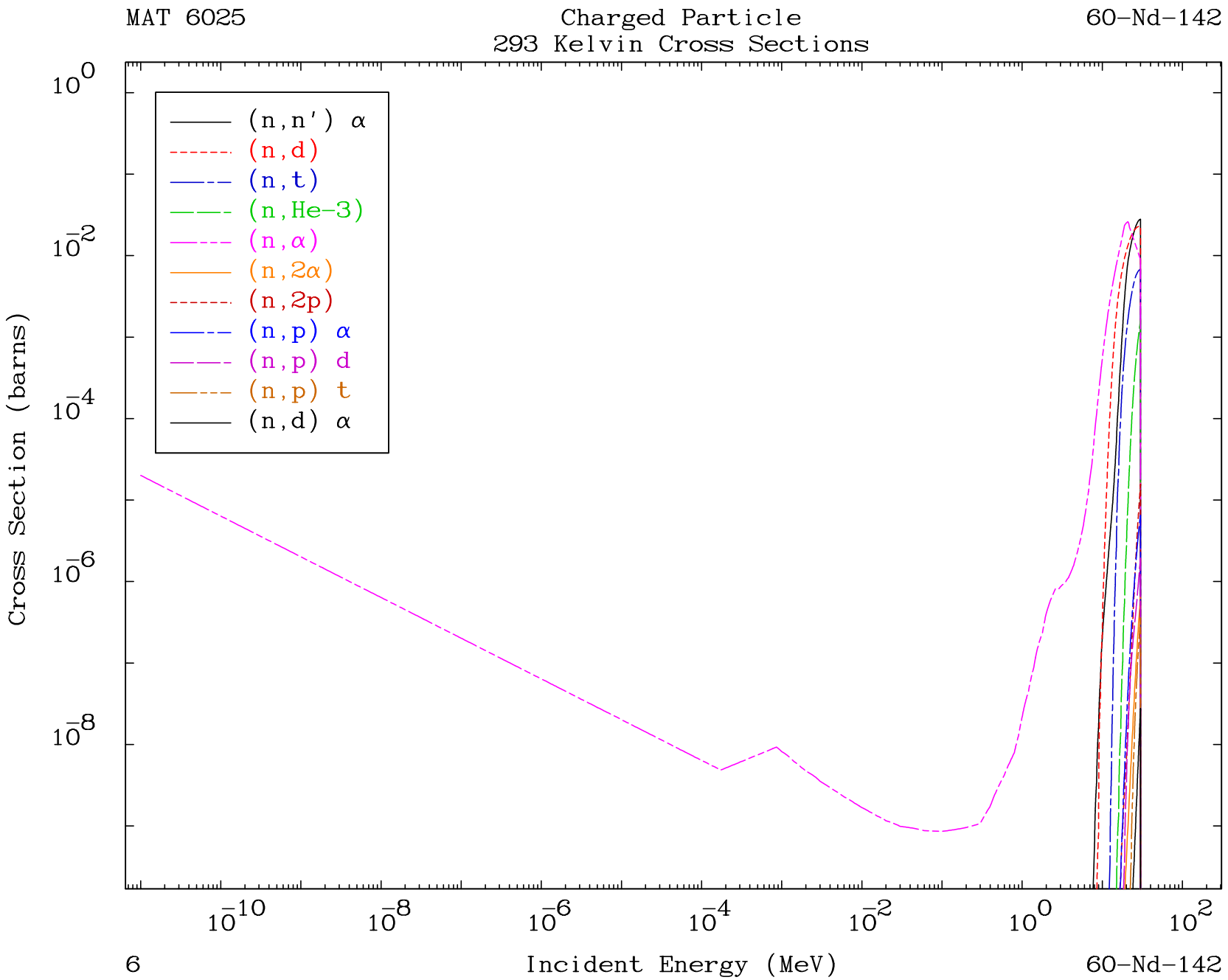

MAT 6025
Neutron Major
293 Kelvin Cross Sections
60-Nd-142
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
60-Nd-142

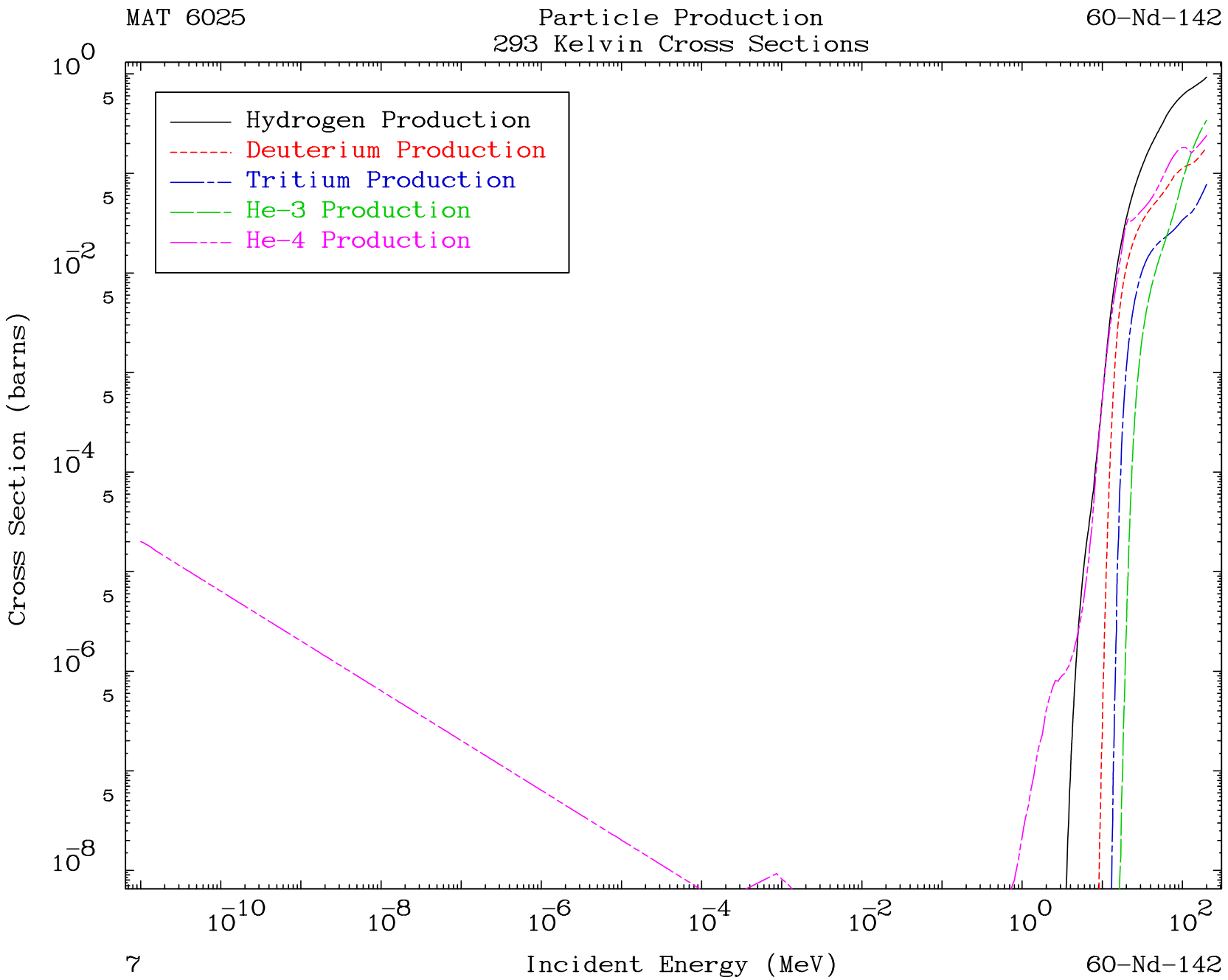

MAT 6025
Neutron Absorption
293 Kelvin Cross Sections
60-Nd-142
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
60-Nd-142

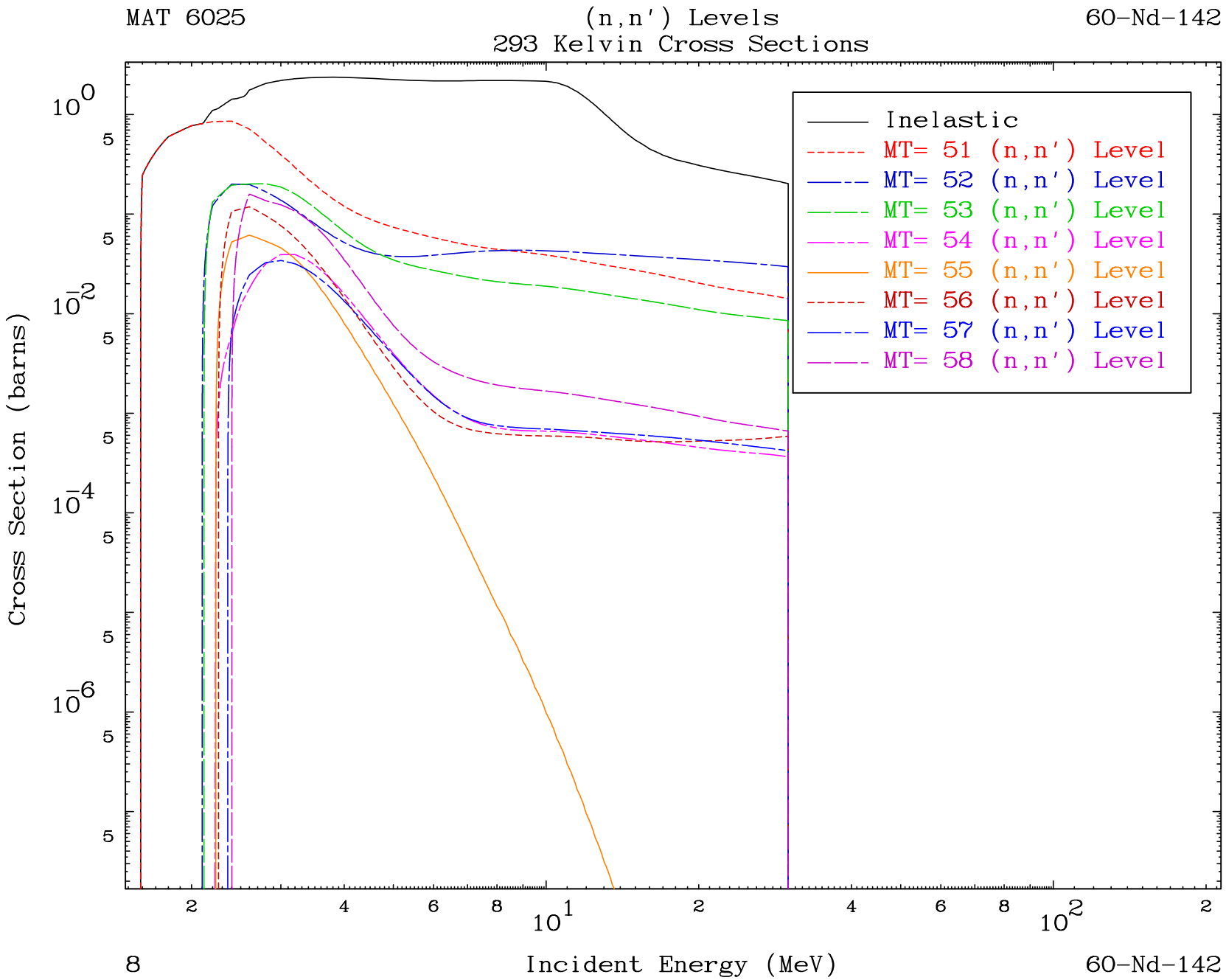

MAT 6025
Neutron Absorption
293 Kelvin Cross Sections
60-Nd-142
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
60-Nd-142

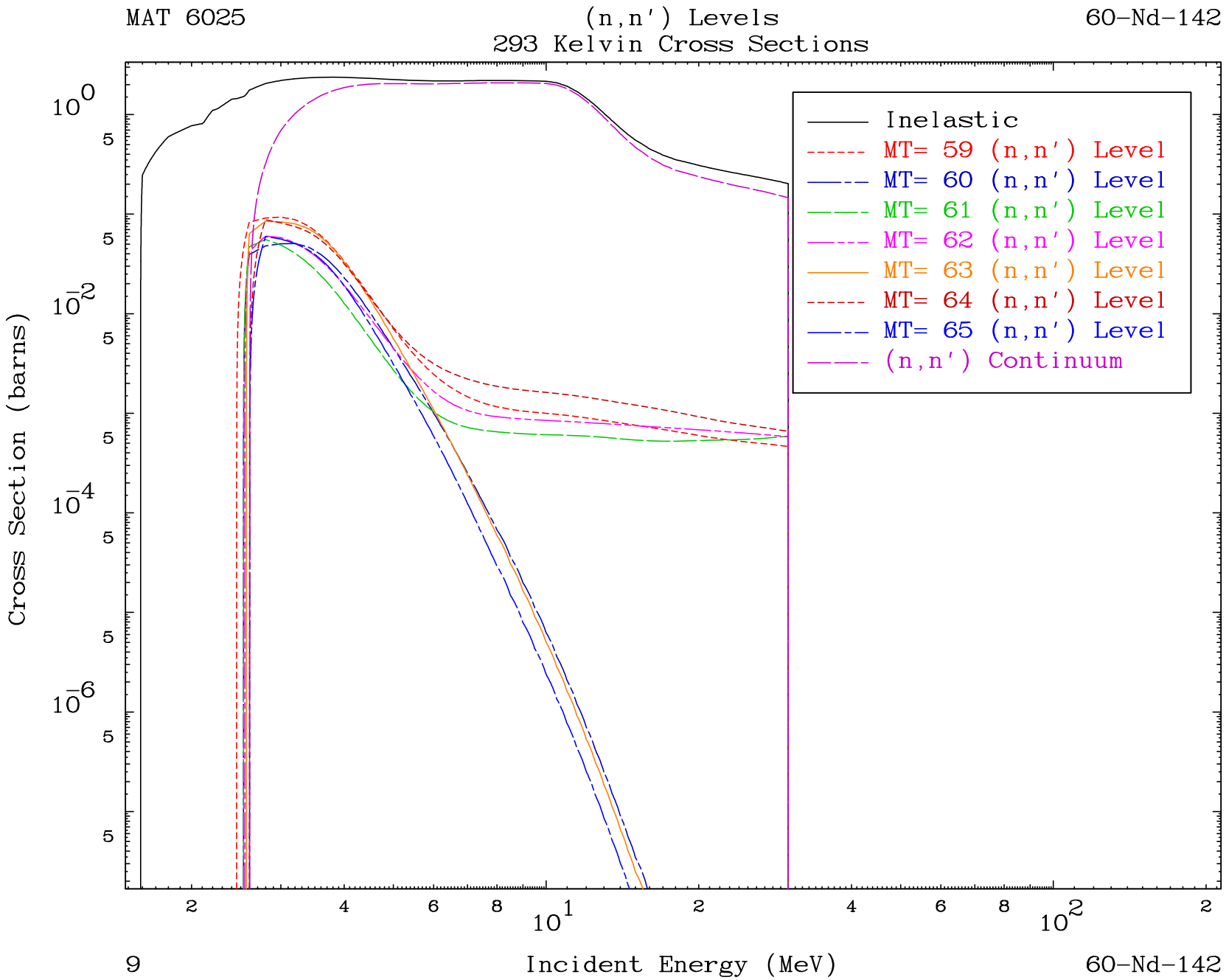

MAT 6025
Neutron Absorption
293 Kelvin Cross Sections
60-Nd-142
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-142

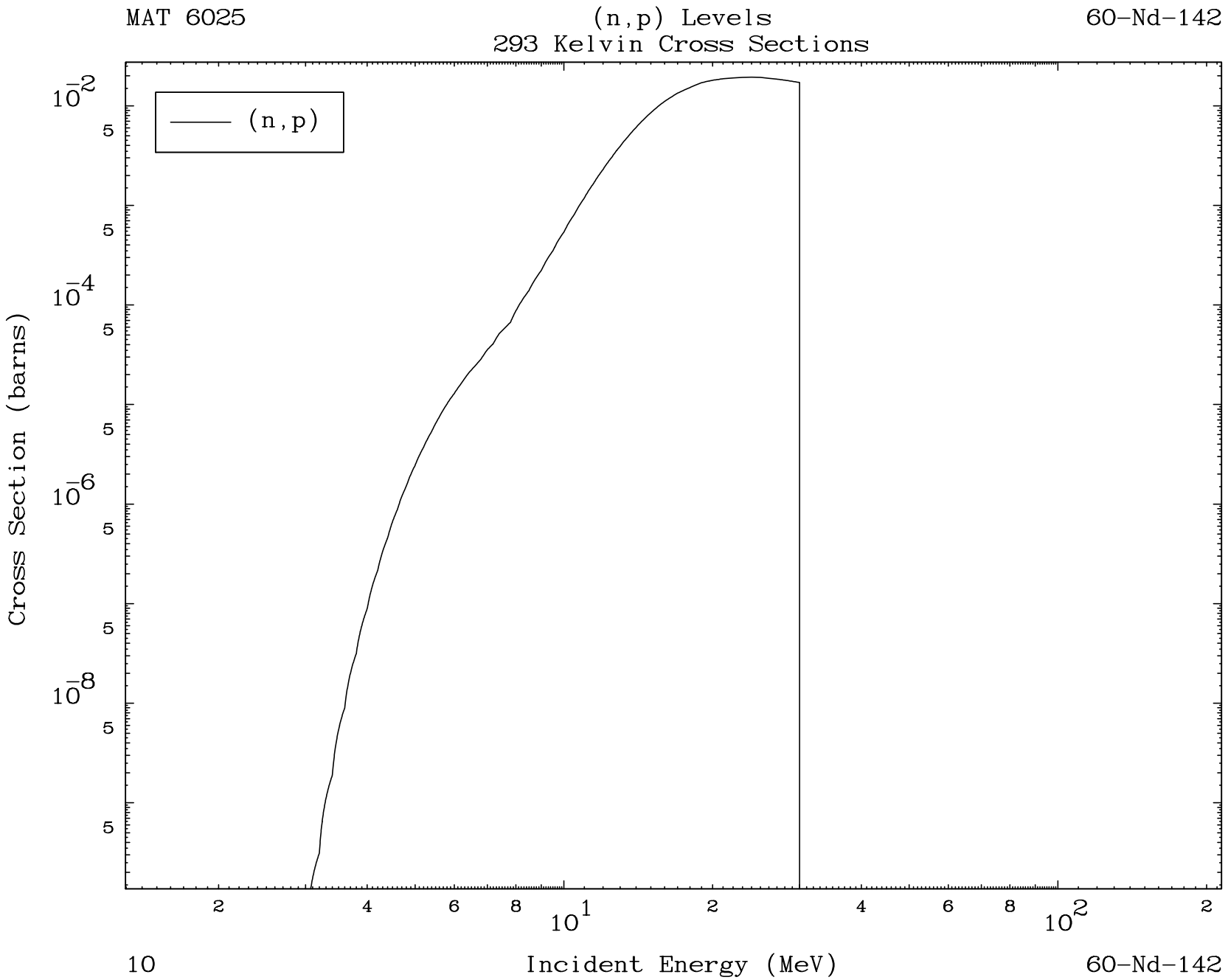

MAT 6025
Charged Particle
60-Nd-142
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-142

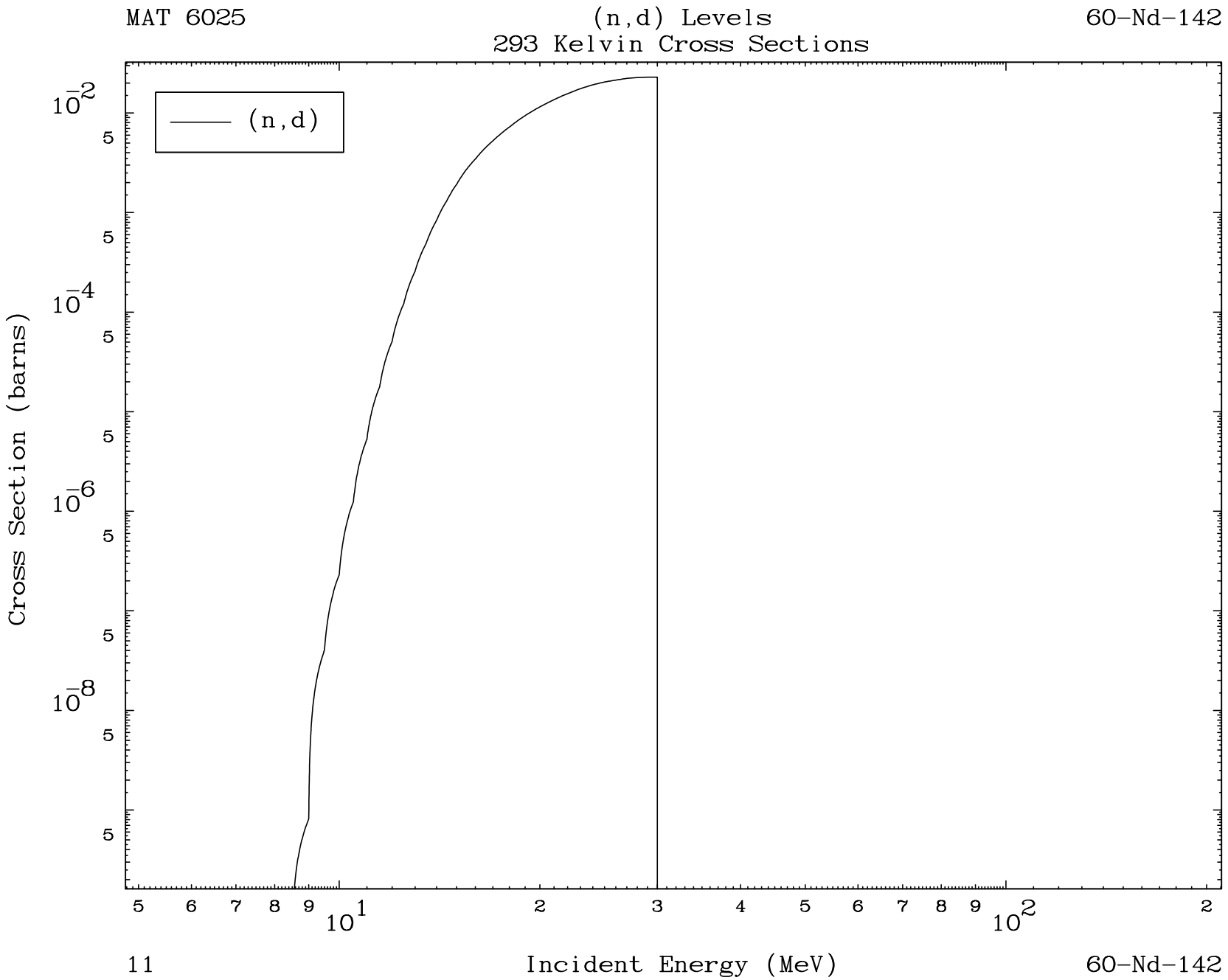

MAT 6025
Charged Particle
293 Kelvin Cross Sections
60-Nd-142
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-142

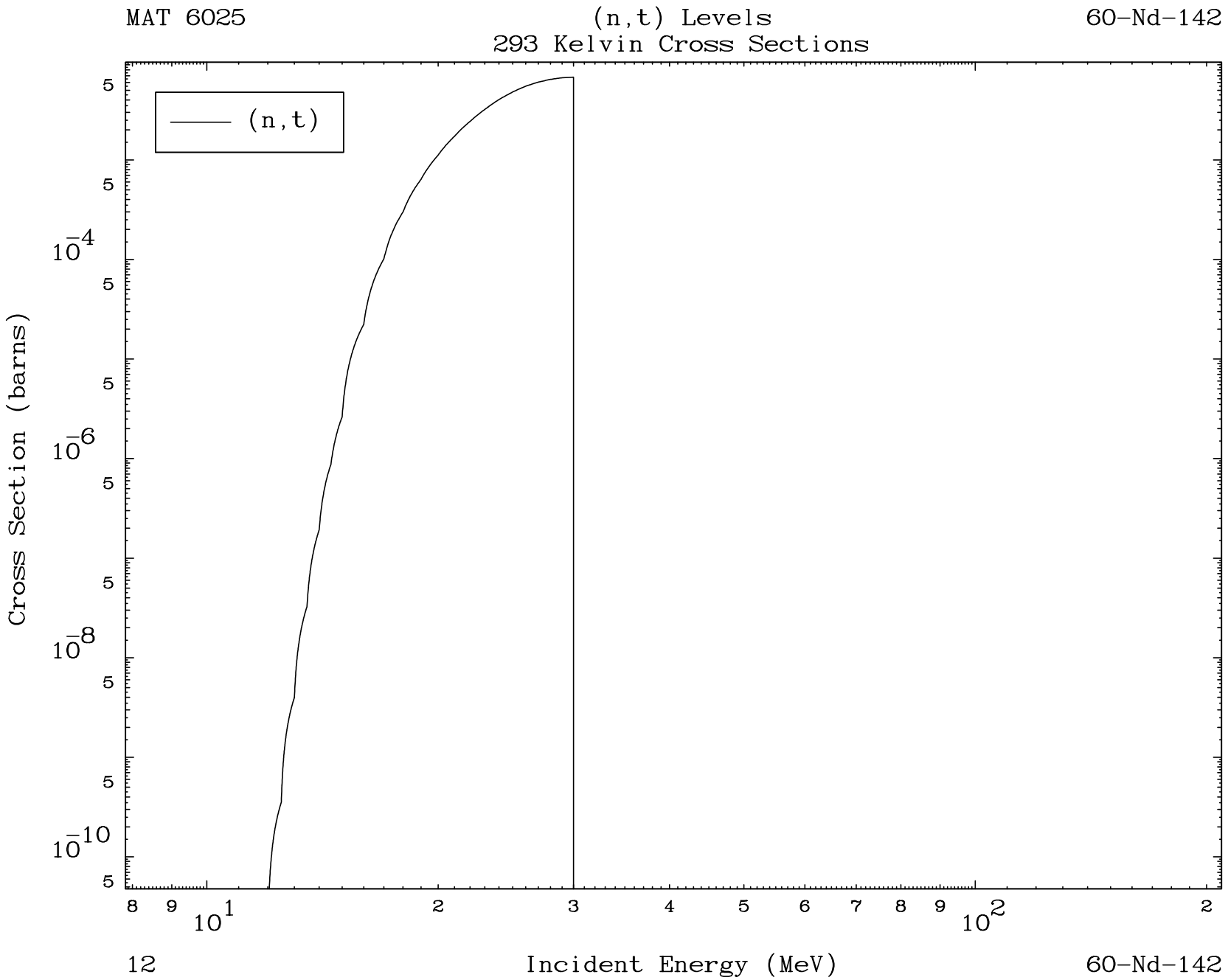

MAT 6025
Particle Production
293 Kelvin Cross Sections
60-Nd-142
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
60-Nd-142
7

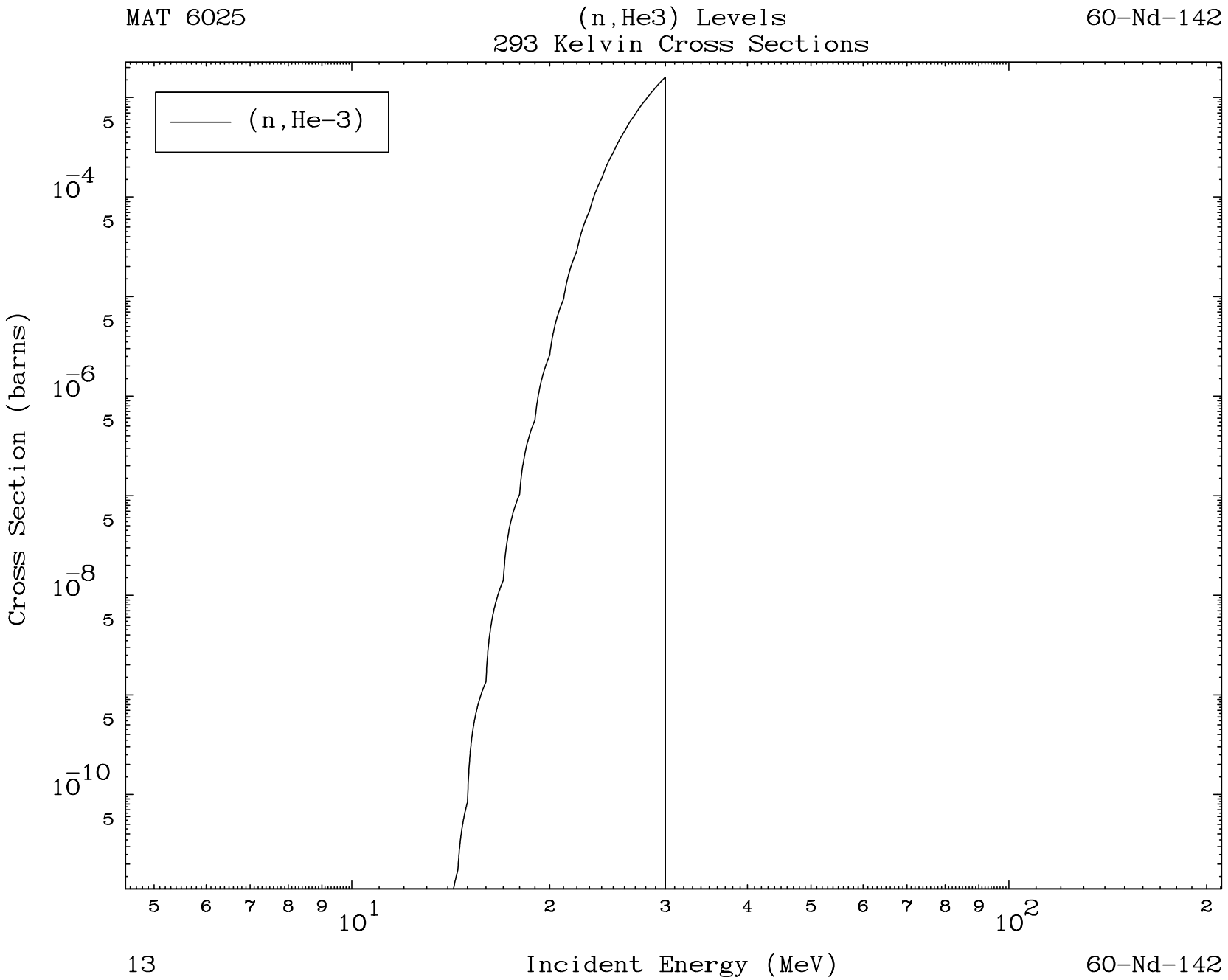

MAT 6025
(n,n') Levels
293 Kelvin Cross Sections
60-Nd-142
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
60-Nd-142

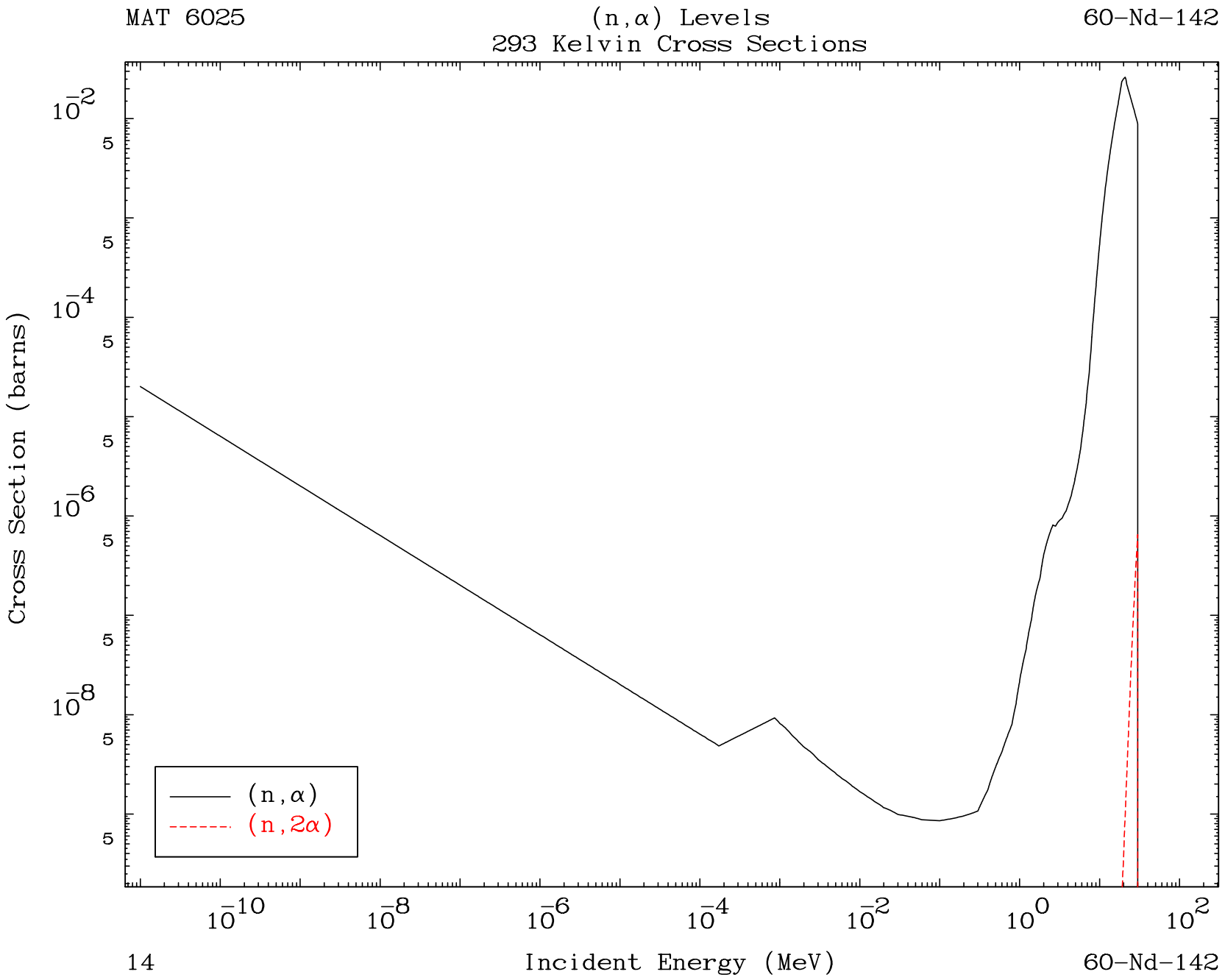

MAT 6025
(n,n') Levels
293 Kelvin Cross Sections
60-Nd-142
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
60-Nd-142

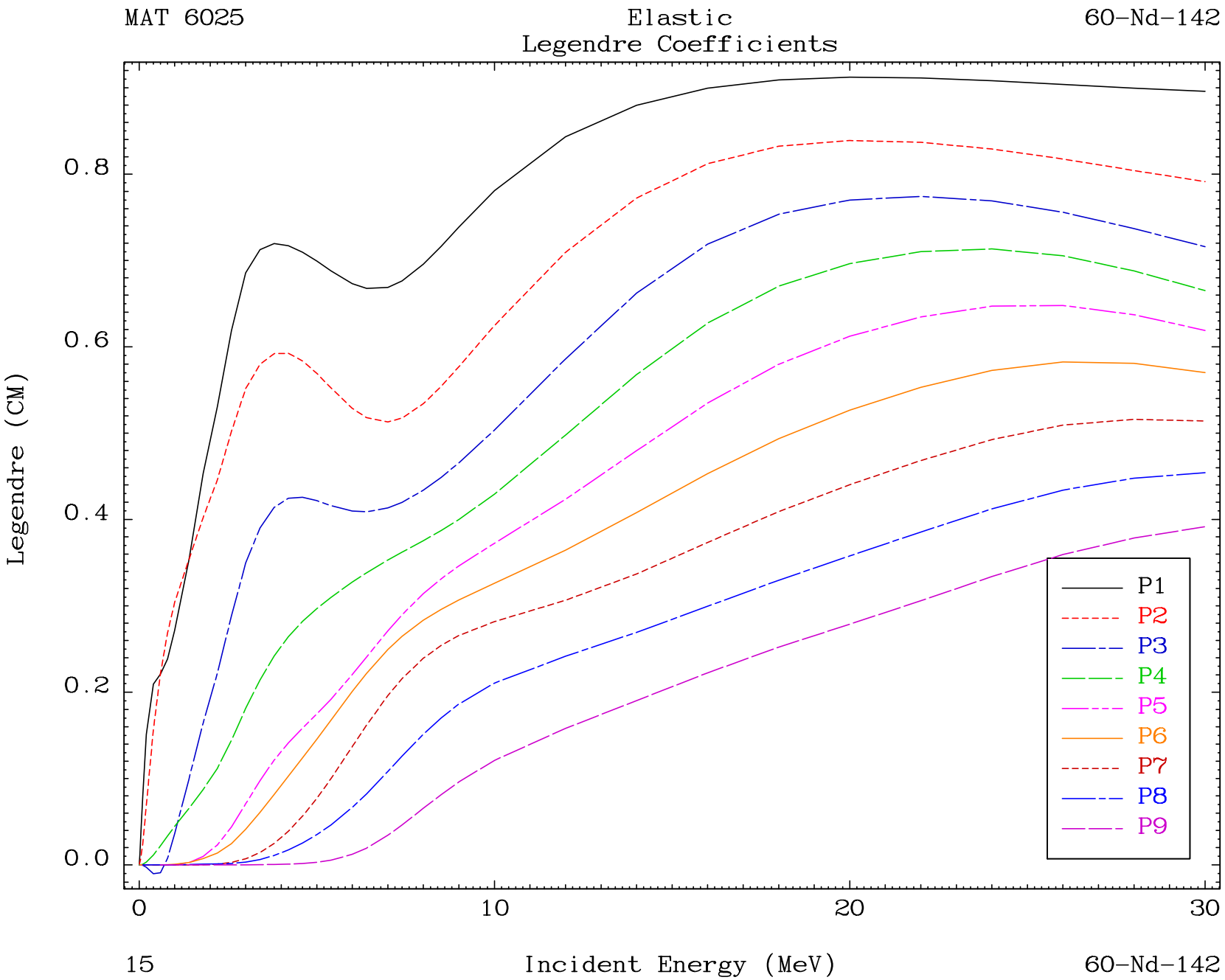

MAT 6025
(n,p) Levels
60-Nd-142
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
Incident Energy (MeV)
10
10^1
10^2
60-Nd-142

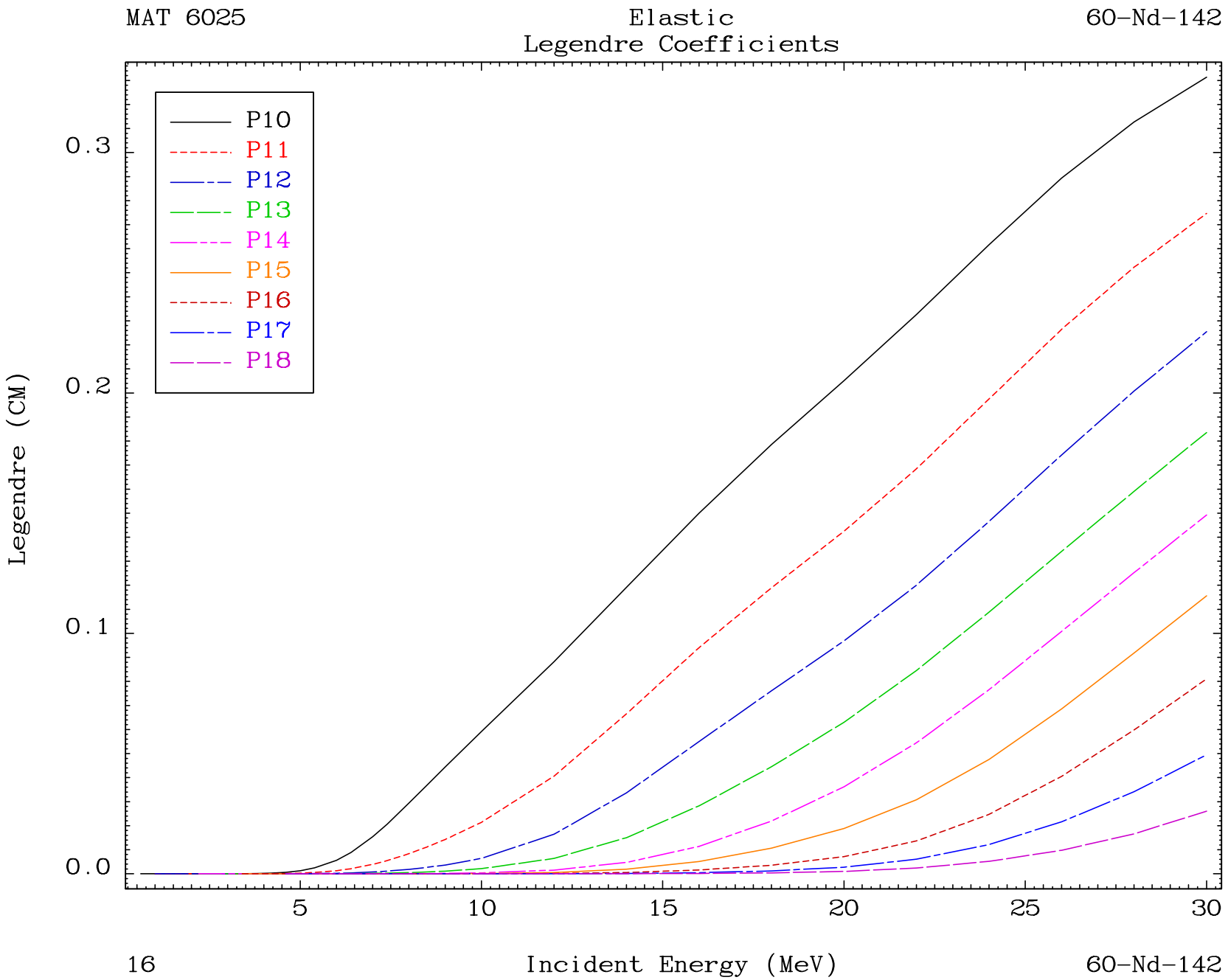

MAT 6025
(n,d) Levels
60-Nd-142
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
11
Incident Energy (MeV)
60-Nd-142

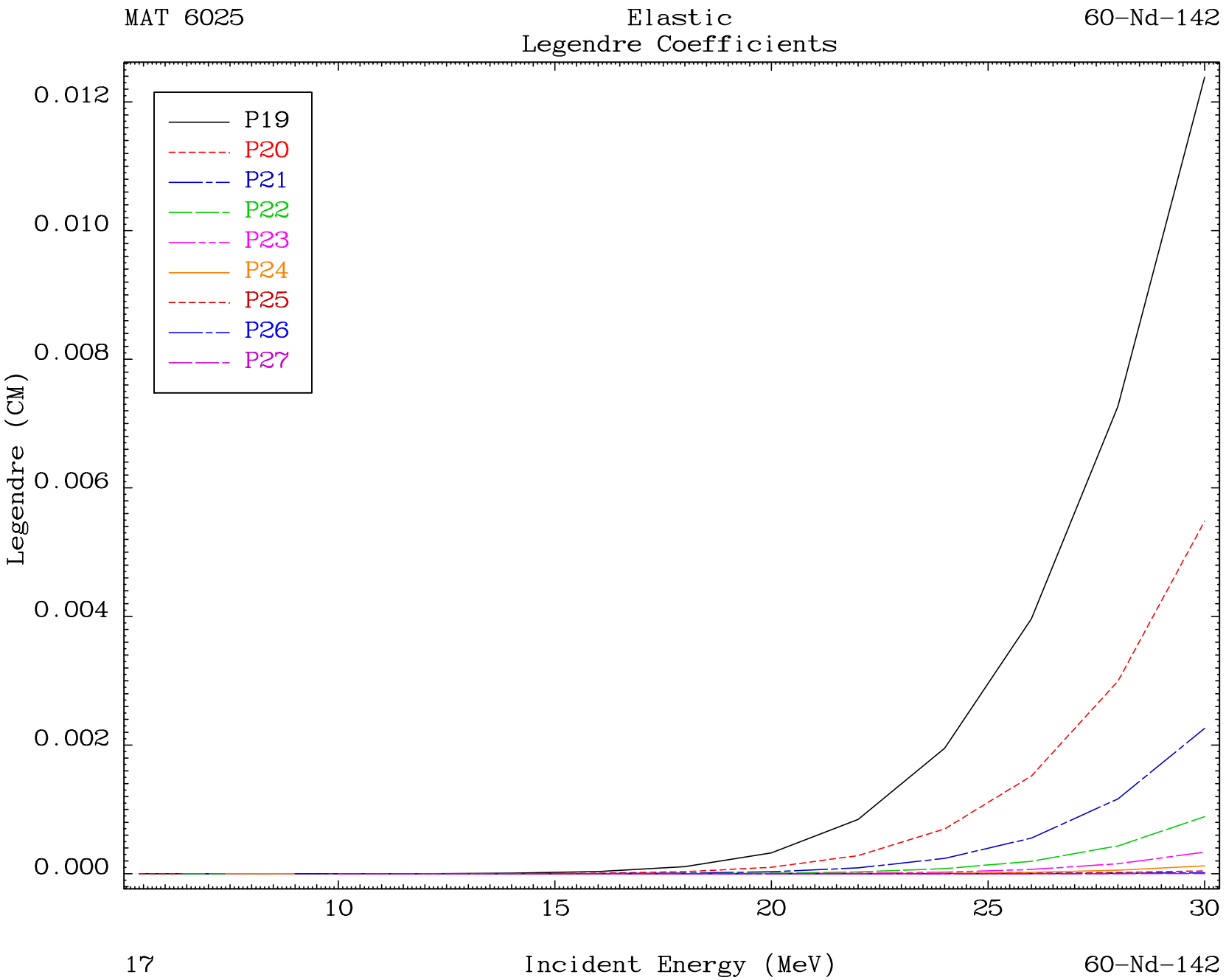

MAT 6025
(n,t) Levels
60-Nd-142
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-142

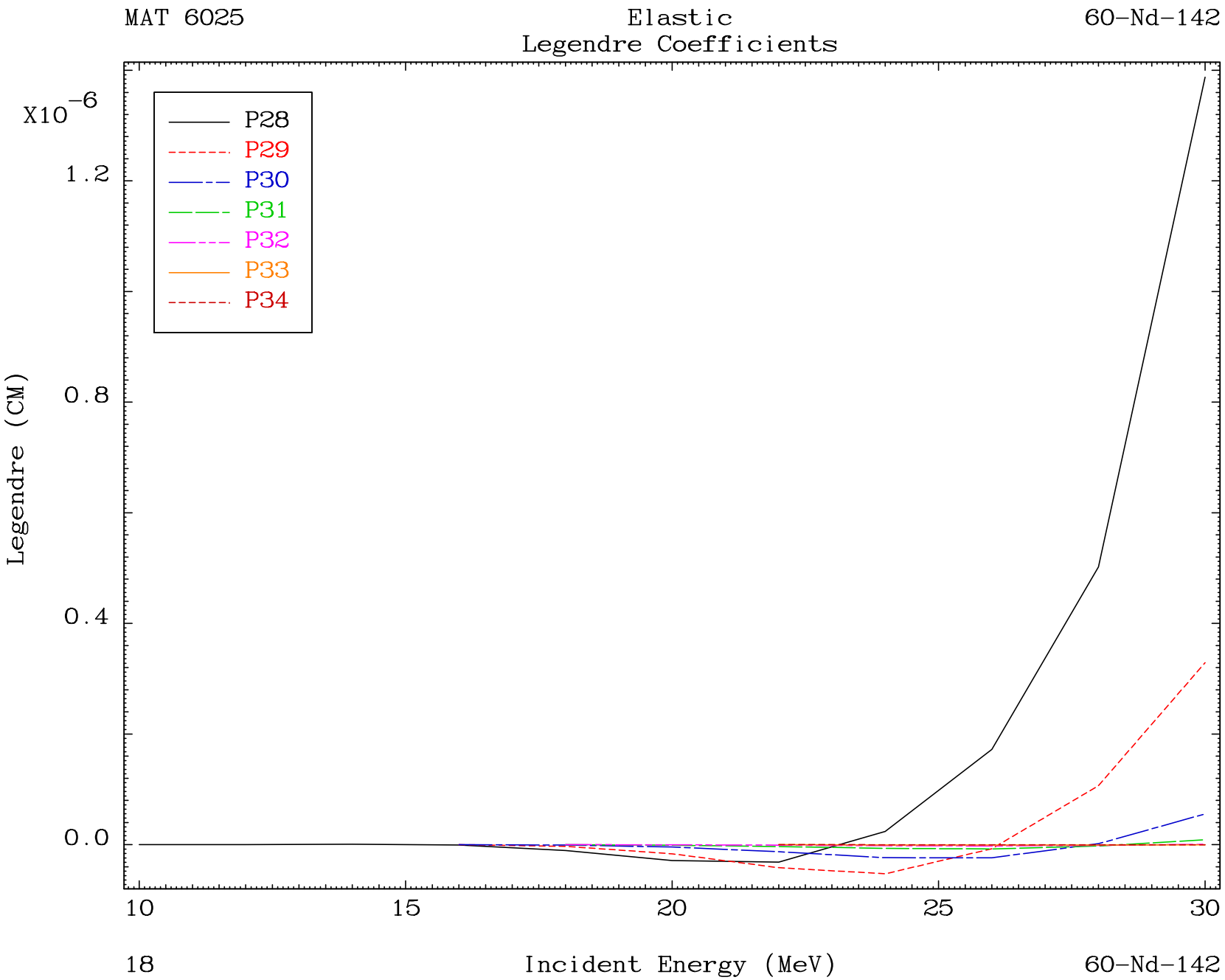

MAT 6025
(n,He3) Levels
60-Nd-142
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)
13
60-Nd-142

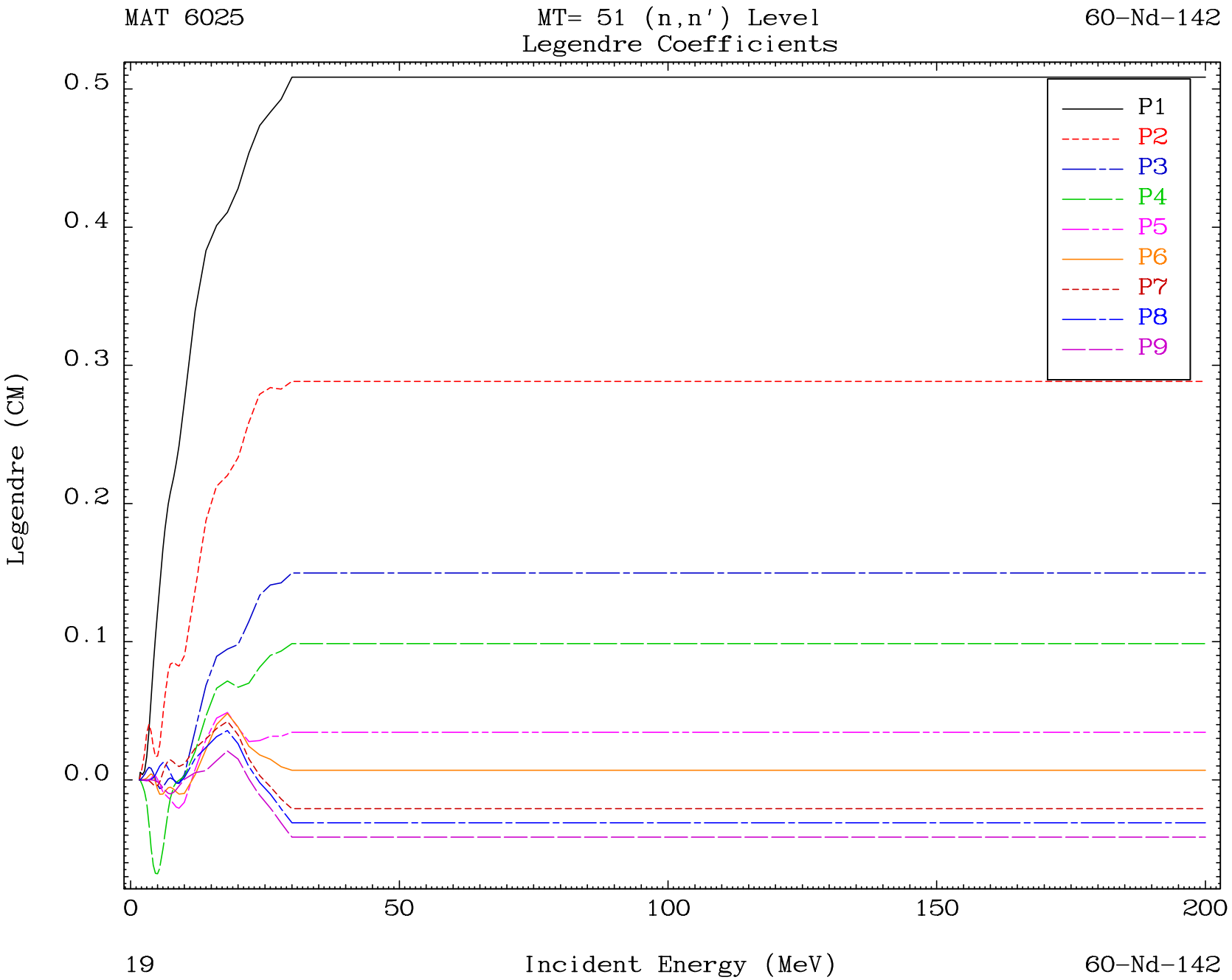

MAT 6025
(n,α) Levels
60-Nd-142
293 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
60-Nd-142

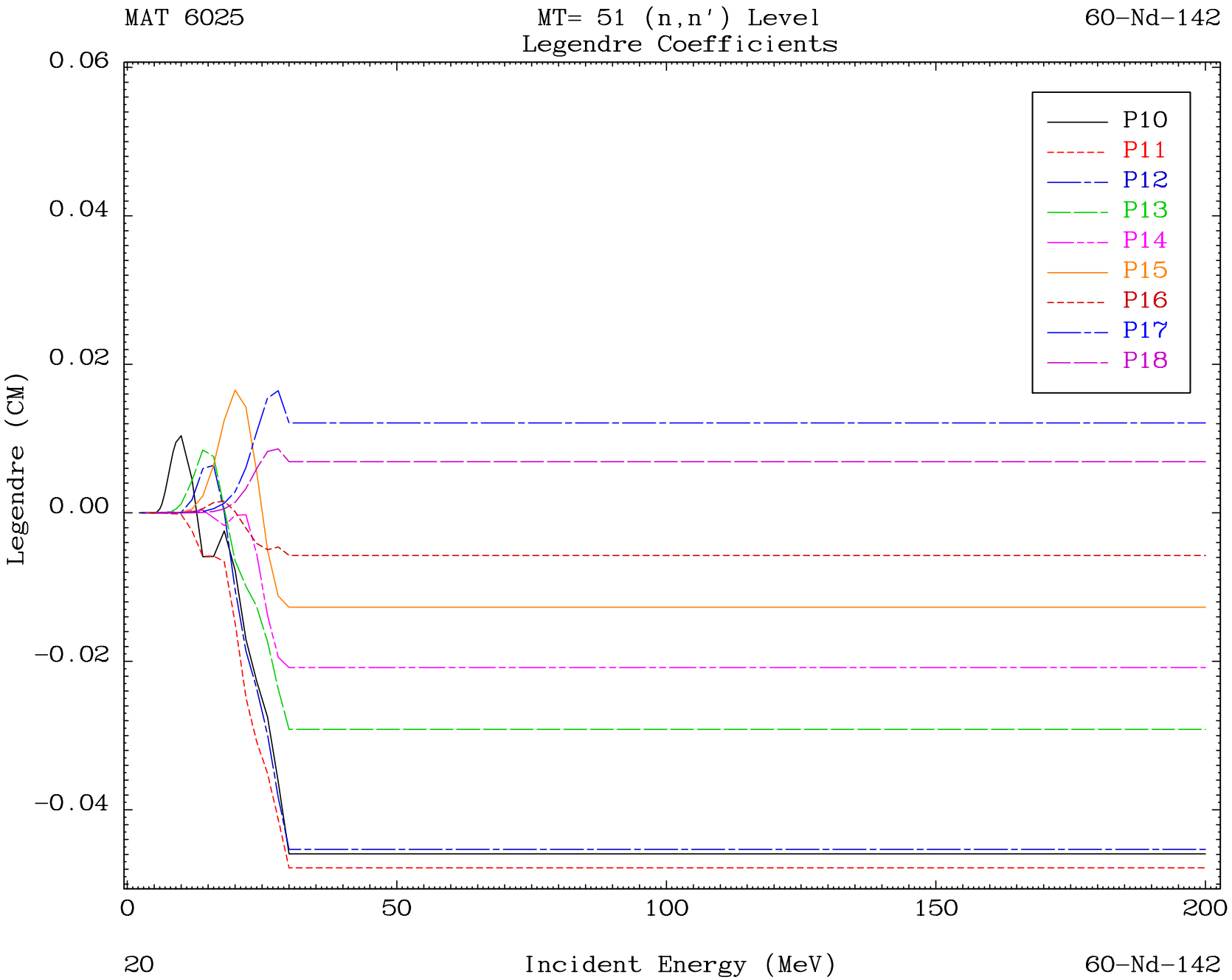

MAT 6025
Elastic
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

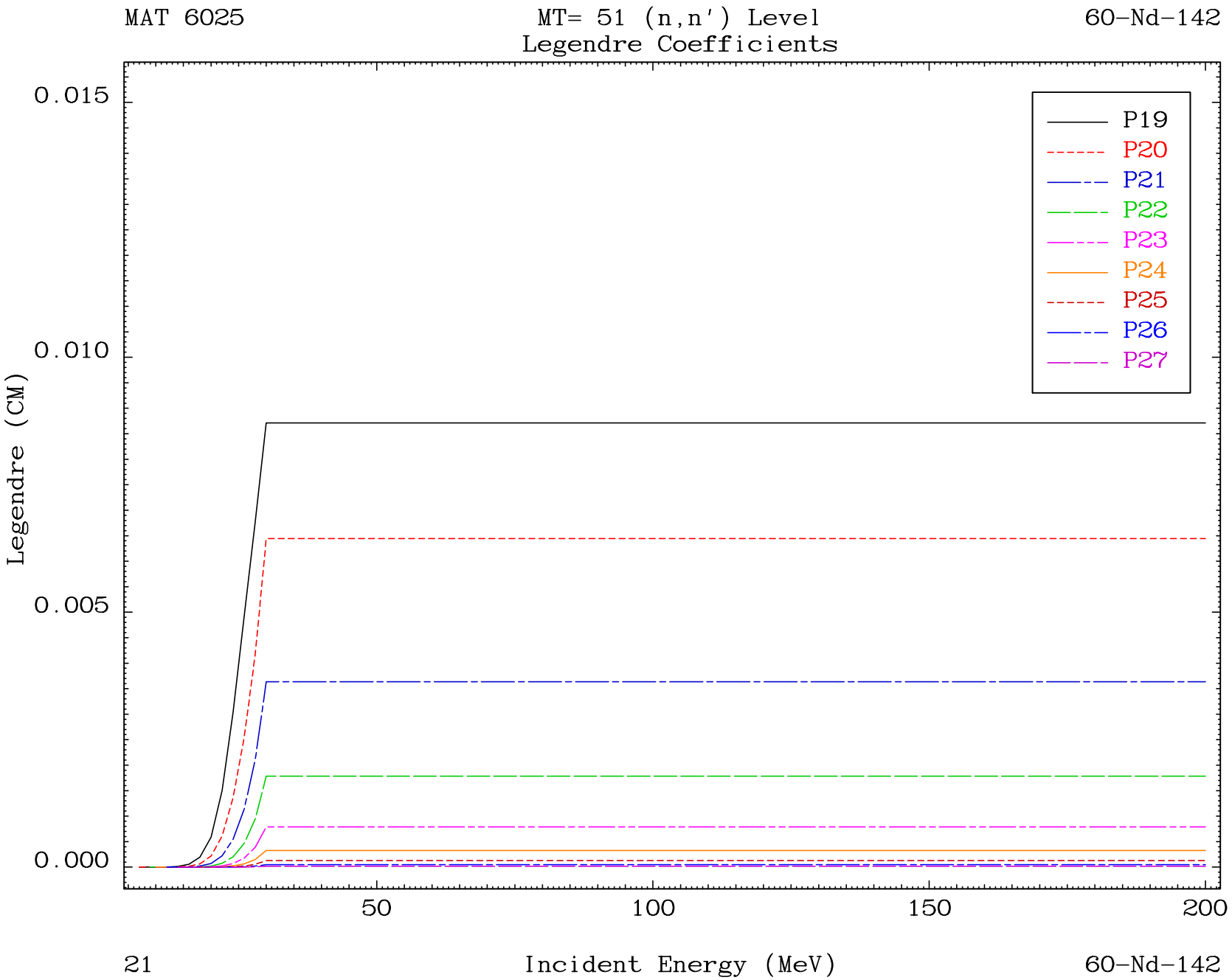

MAT 6025
Elastic
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
16
Incident Energy (MeV)
60-Nd-142

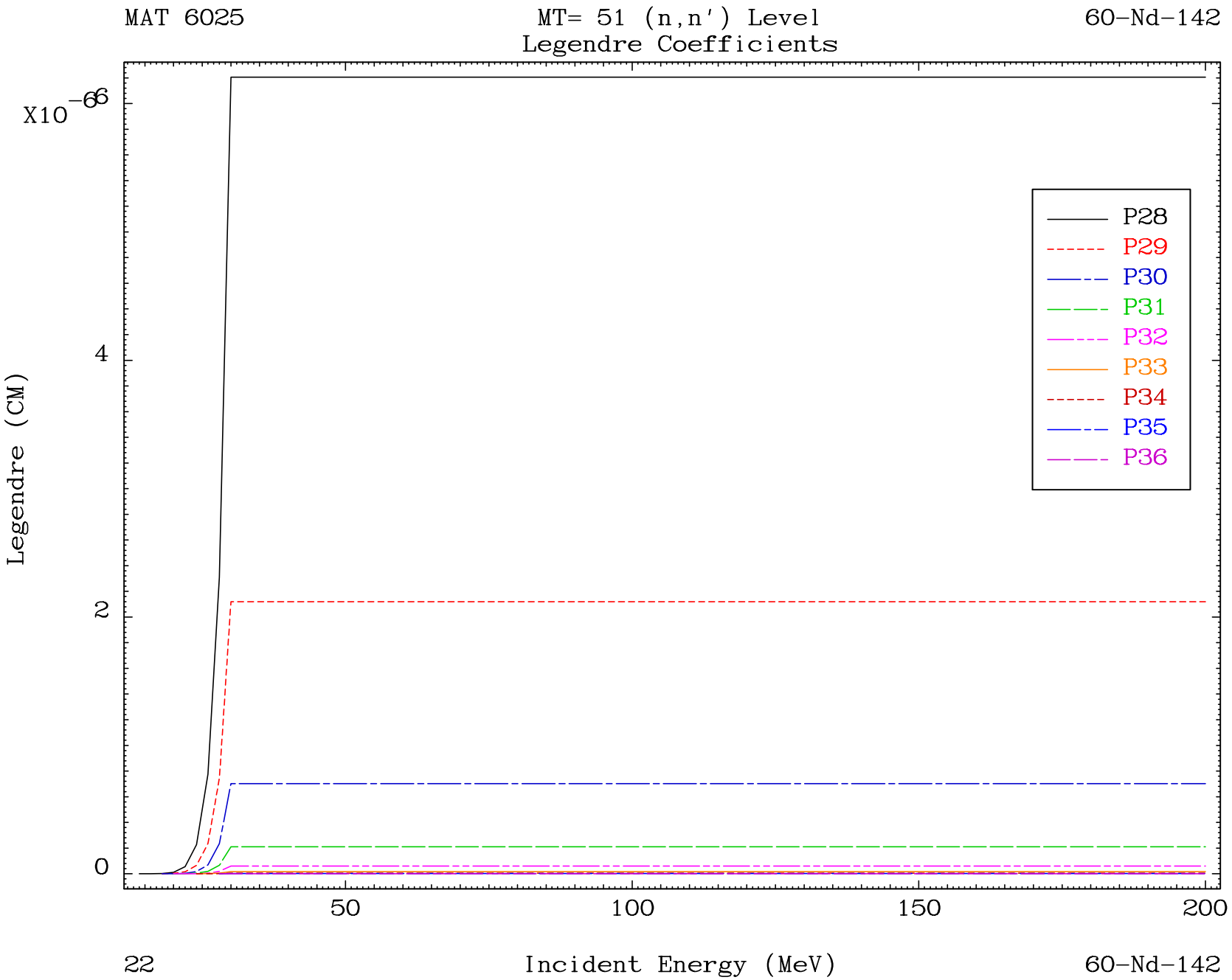

MAT 6025
Elastic
Legendre Coefficients
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
60-Nd-142

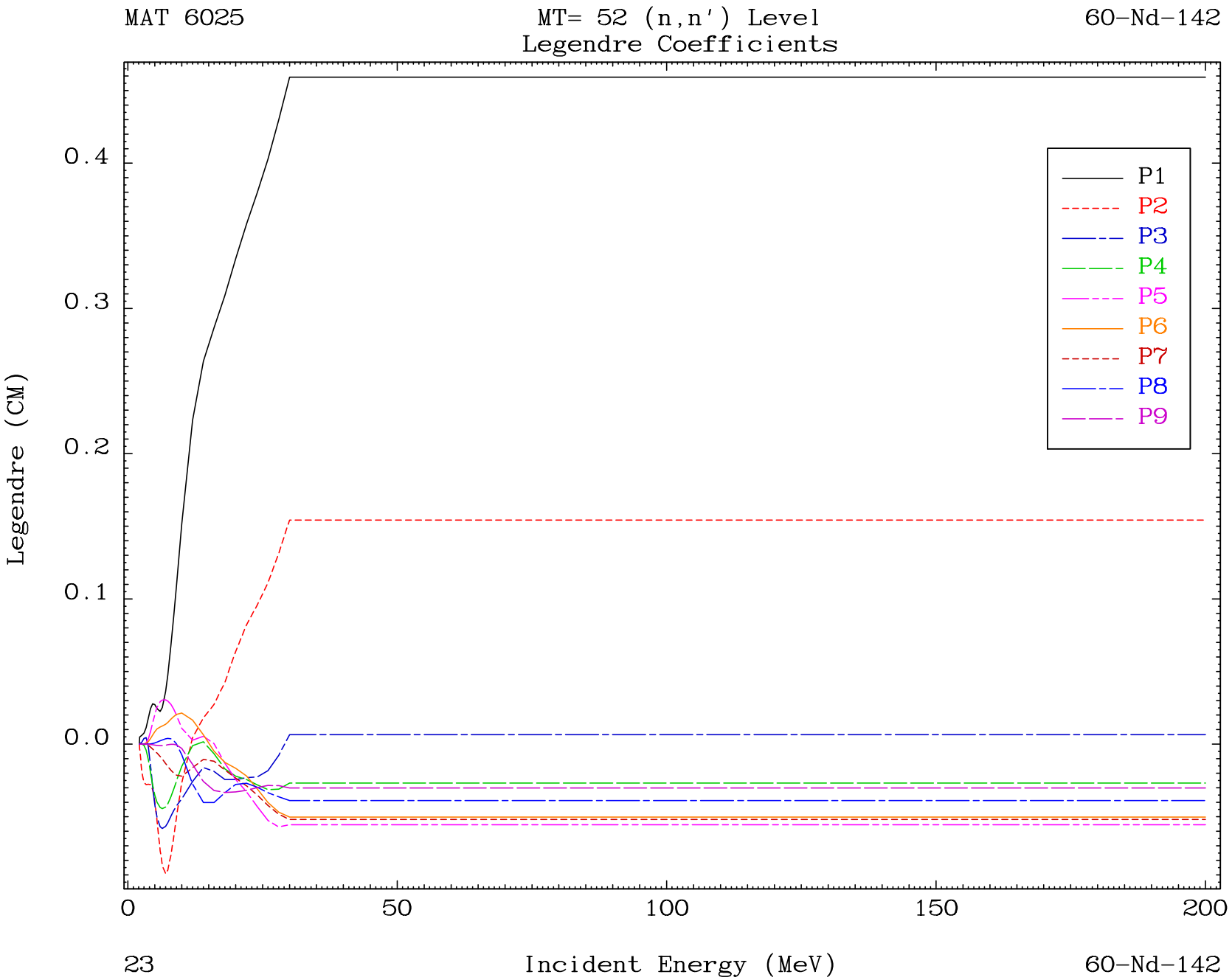

MAT 6025
Elastic
Legendre Coefficients
60-Nd-142
X10 −6
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
18
Incident Energy (MeV)
60-Nd-142

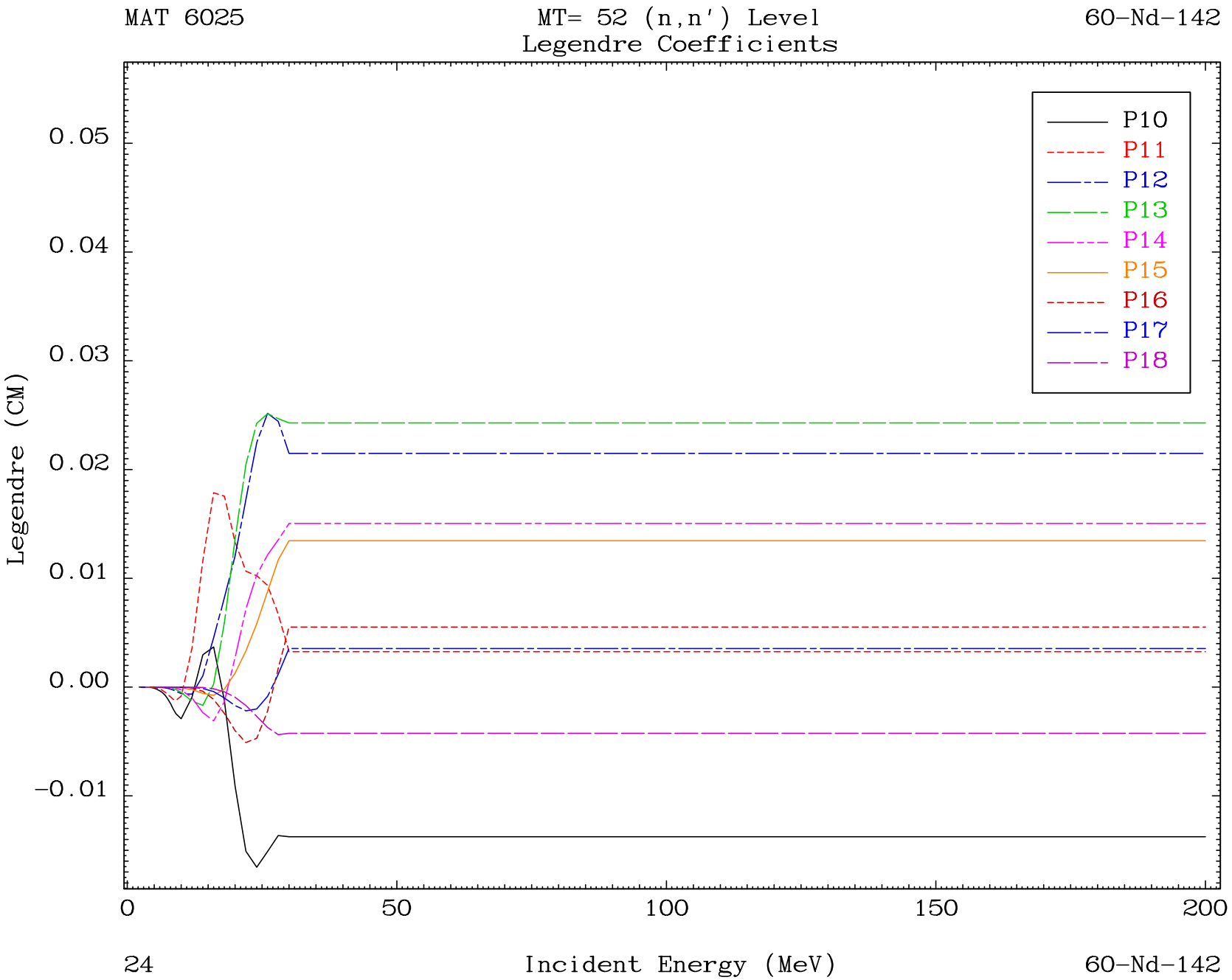

MAT 6025
MT= 51 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
19
Incident Energy (MeV)
60-Nd-142

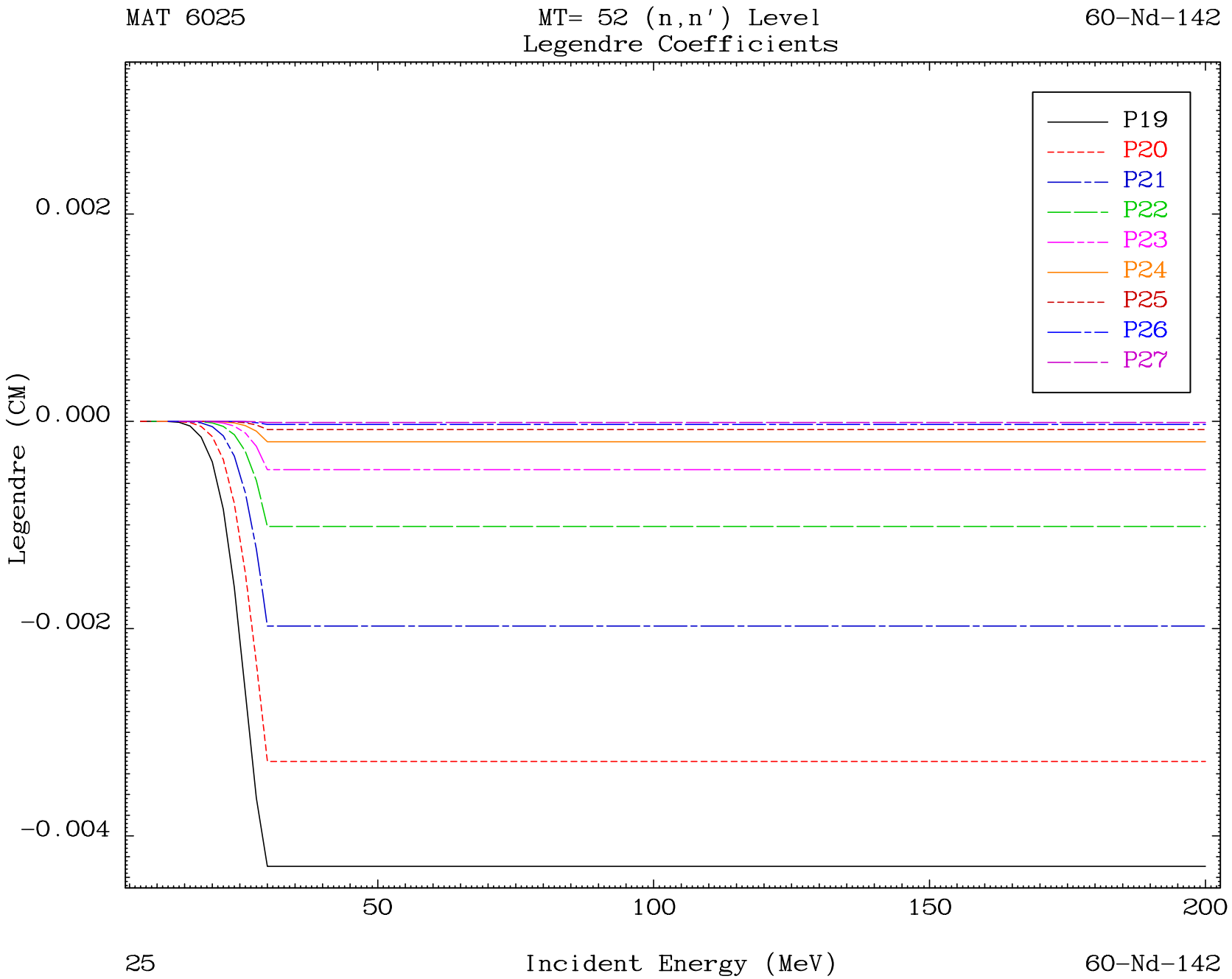

MAT 6025
MT= 51 (n,n') Level
Legendre Coefficients
60-Nd-142
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
20
Incident Energy (MeV)
60-Nd-142

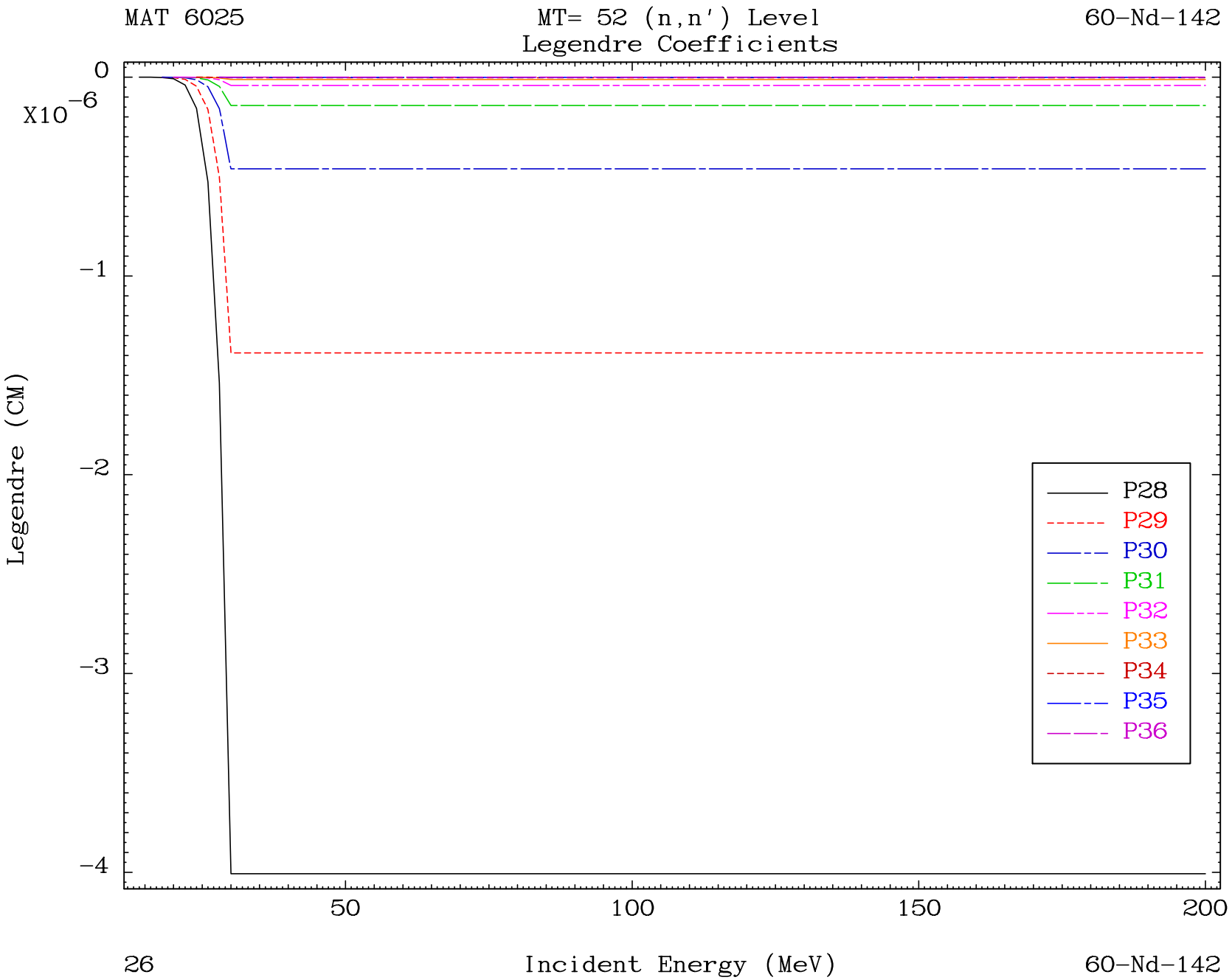

MAT 6025
MT= 51 (n,n') Level
Legendre Coefficients
60-Nd-142
0.015
0.010
0.005
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
21
Incident Energy (MeV)
60-Nd-142

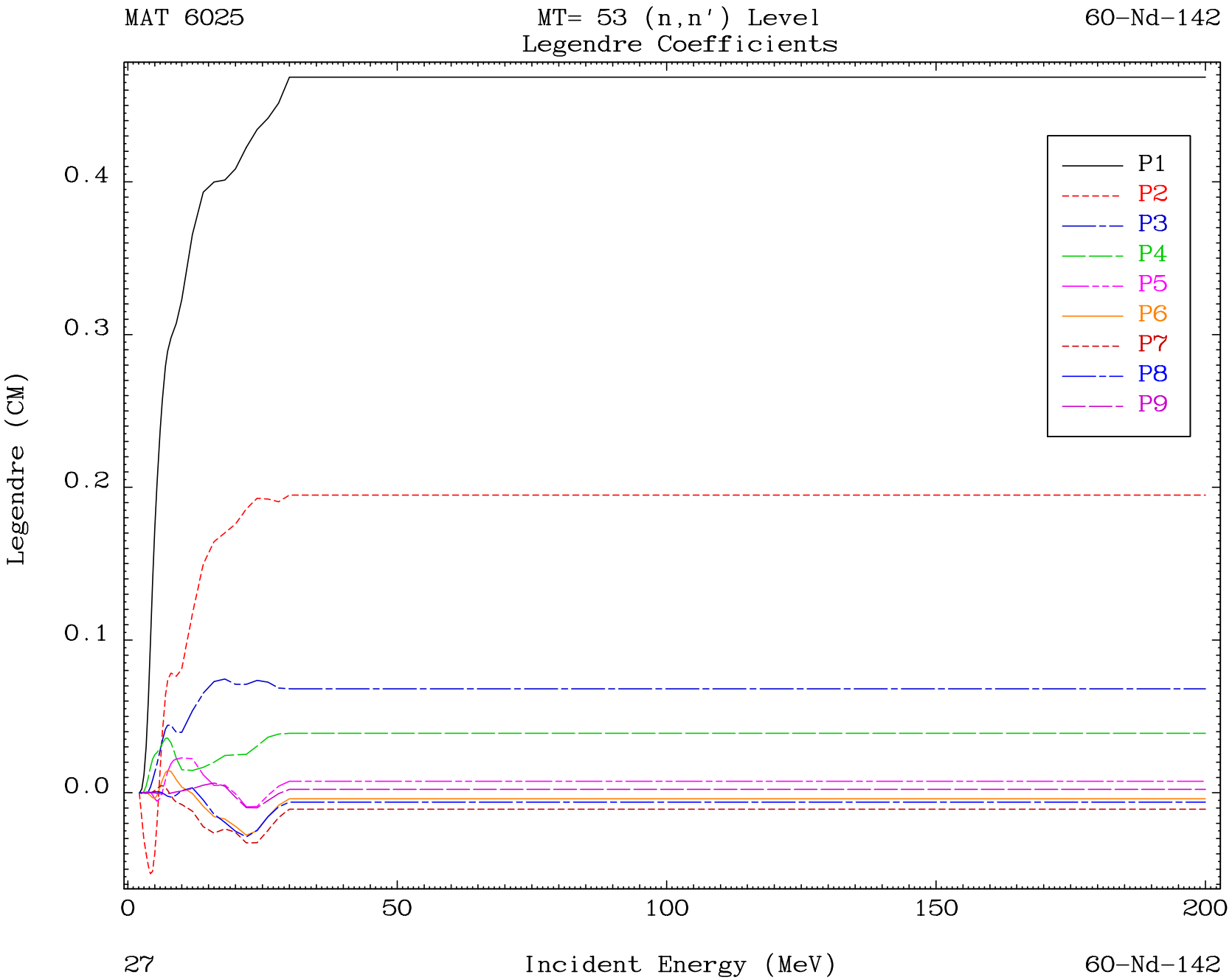

MAT 6025
MT= 51 (n,n') Level
Legendre Coefficients
60-Nd-142
X10 -6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
22
Incident Energy (MeV)
60-Nd-142

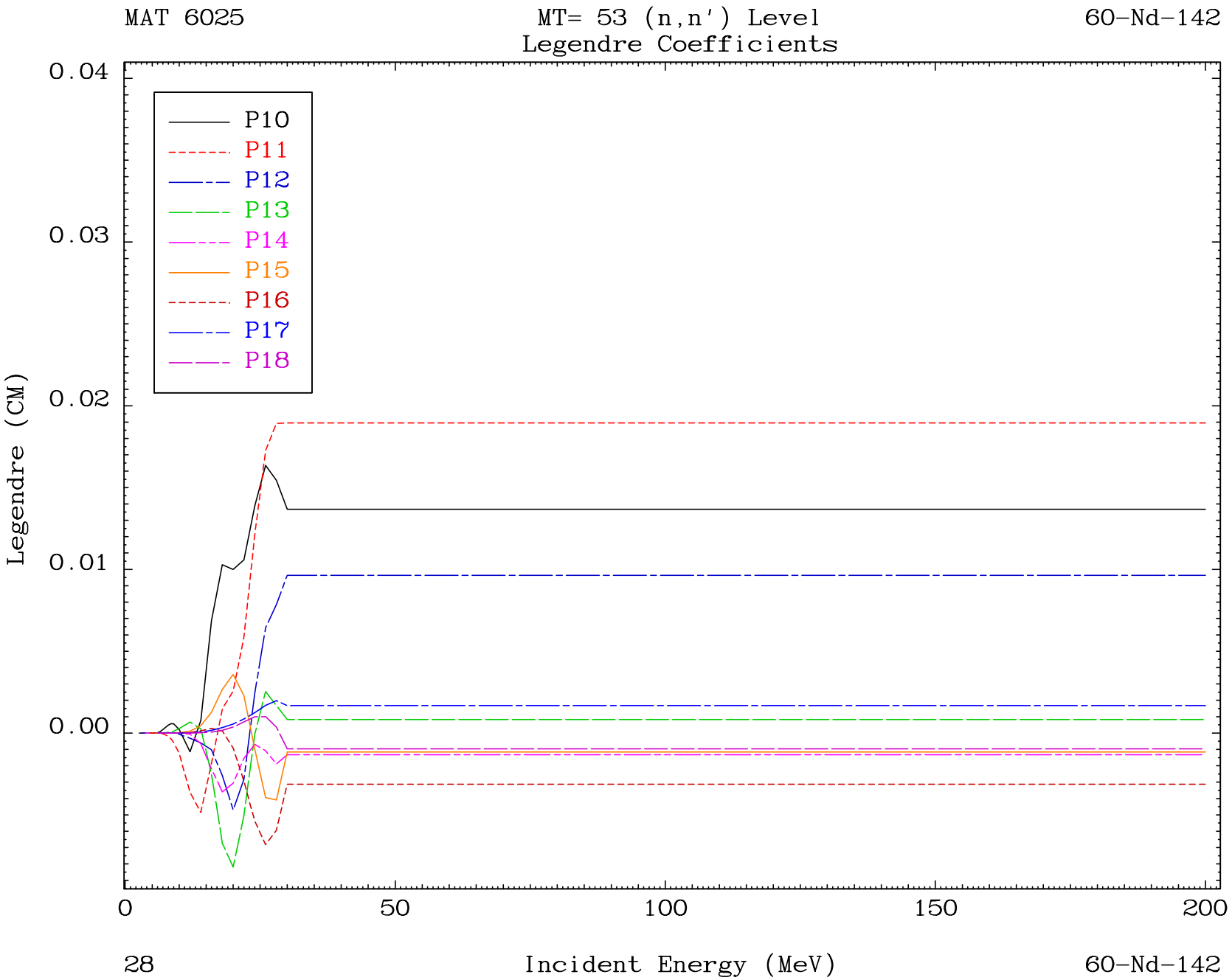

MAT 6025
MT= 52 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
23
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

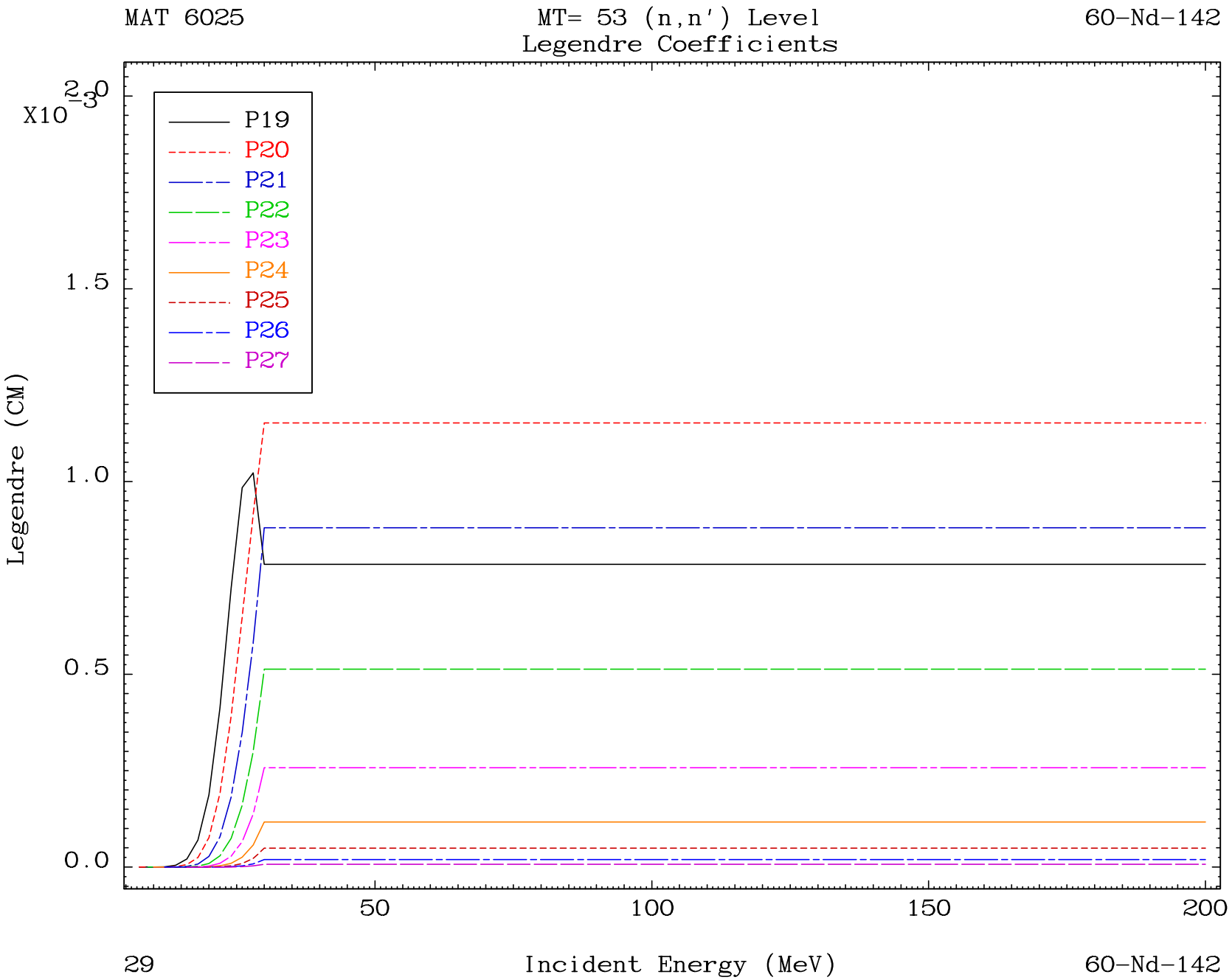

MAT 6025
MT= 52 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
60-Nd-142

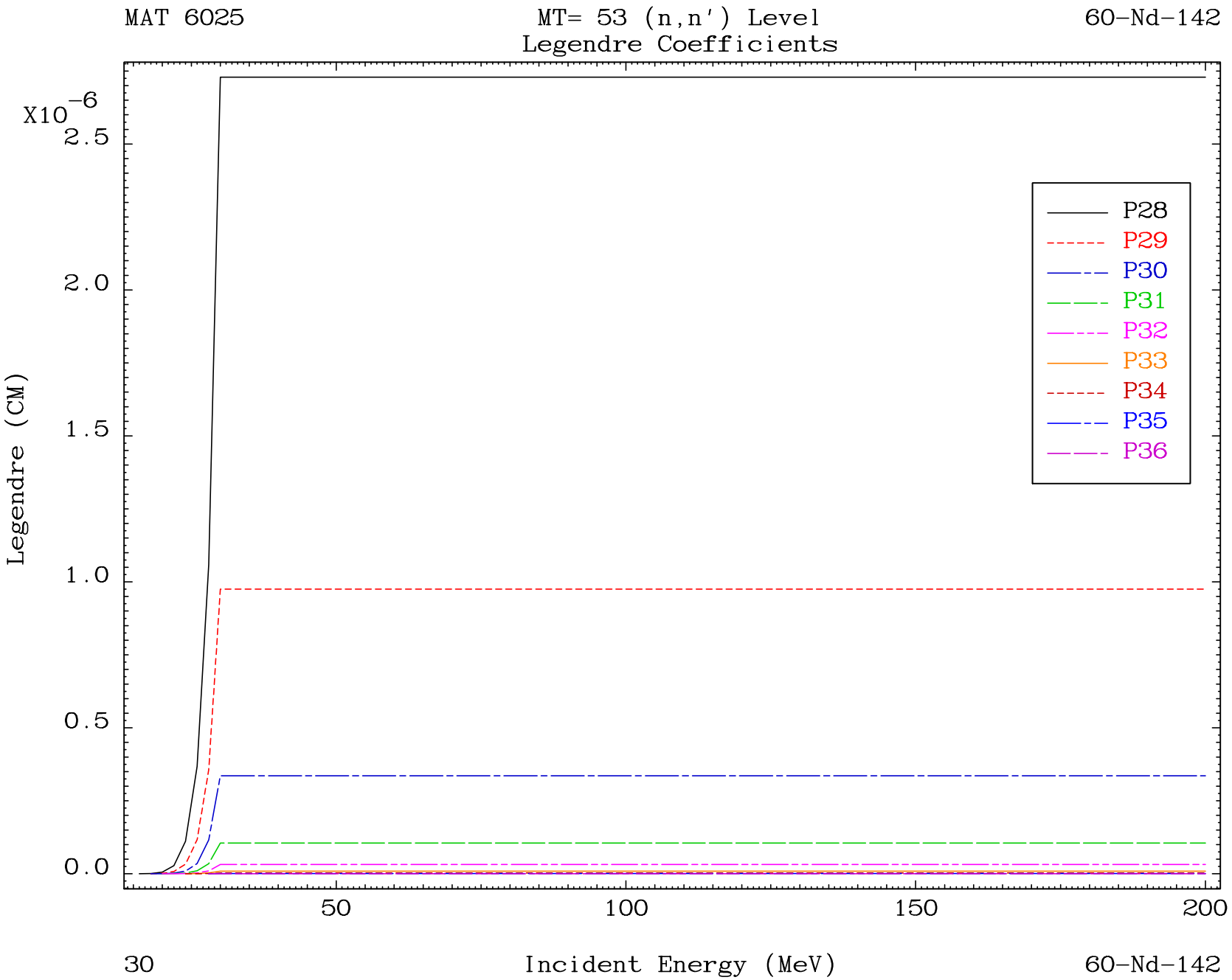

MAT 6025
MT= 52 (n,n') Level
Legendre Coefficients
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
25
Incident Energy (MeV)
60-Nd-142

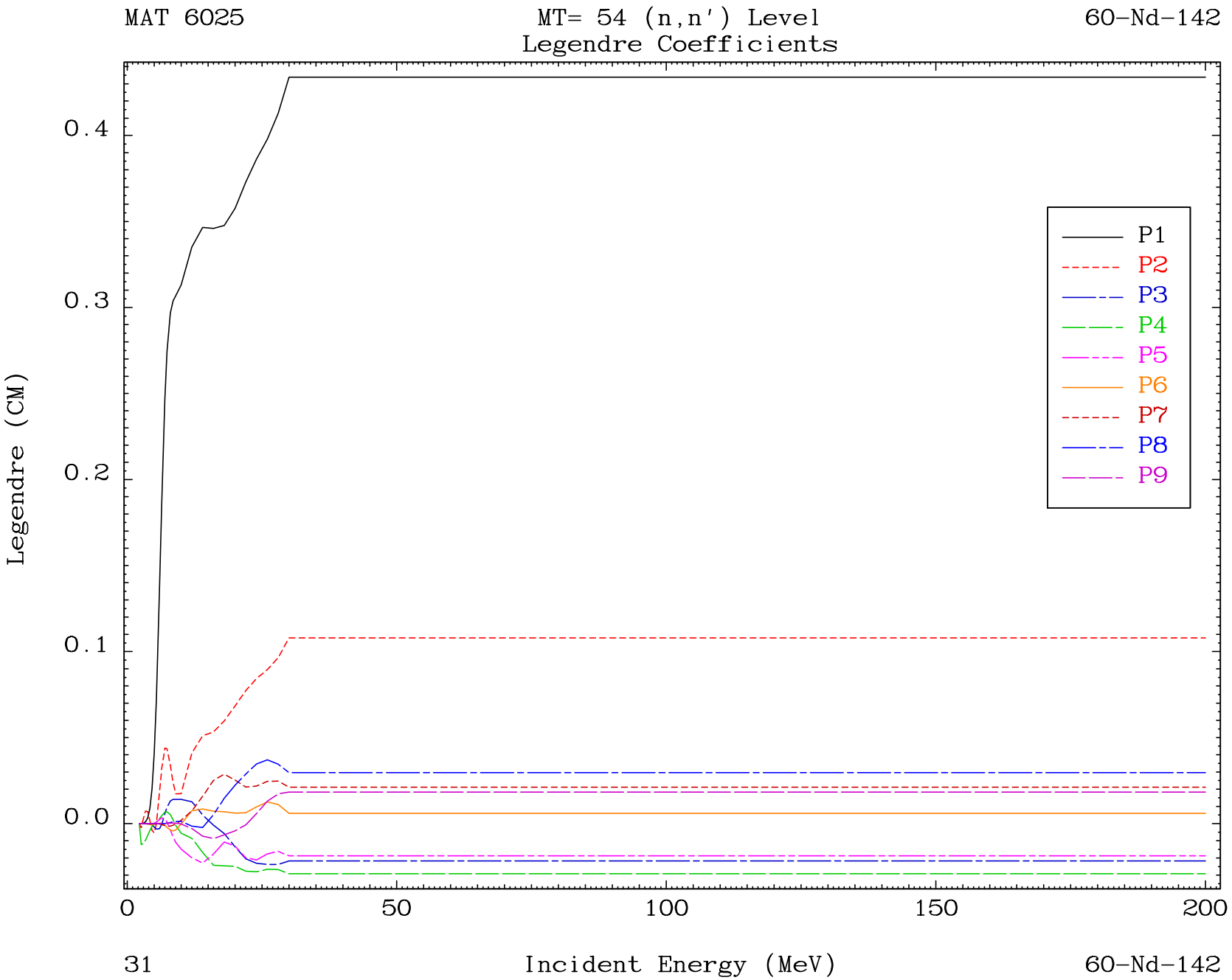

MAT 6025
MT= 52 (n,n') Level
Legendre Coefficients
60-Nd-142
0
X10 −6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

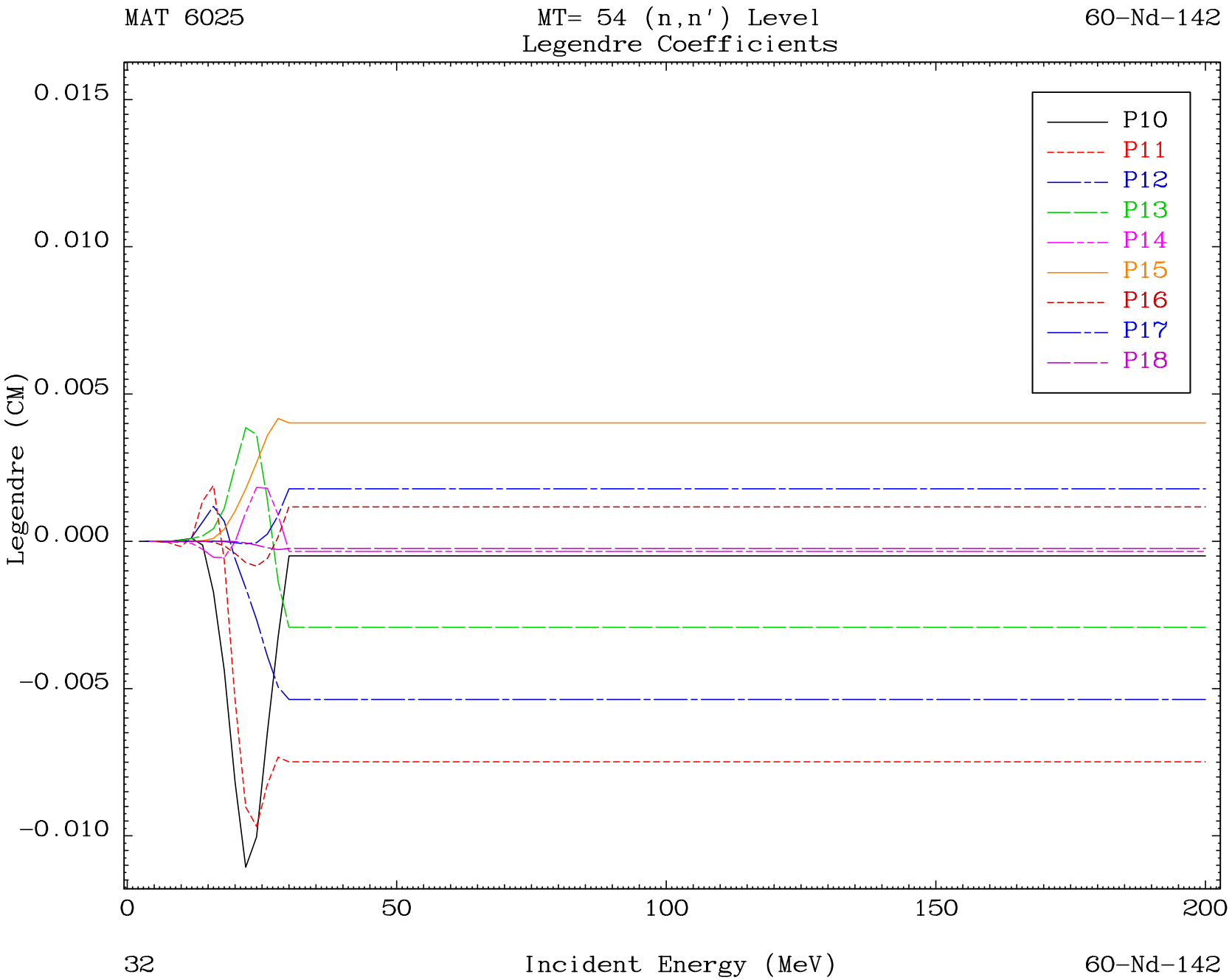

MAT 6025
MT= 53 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
27
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

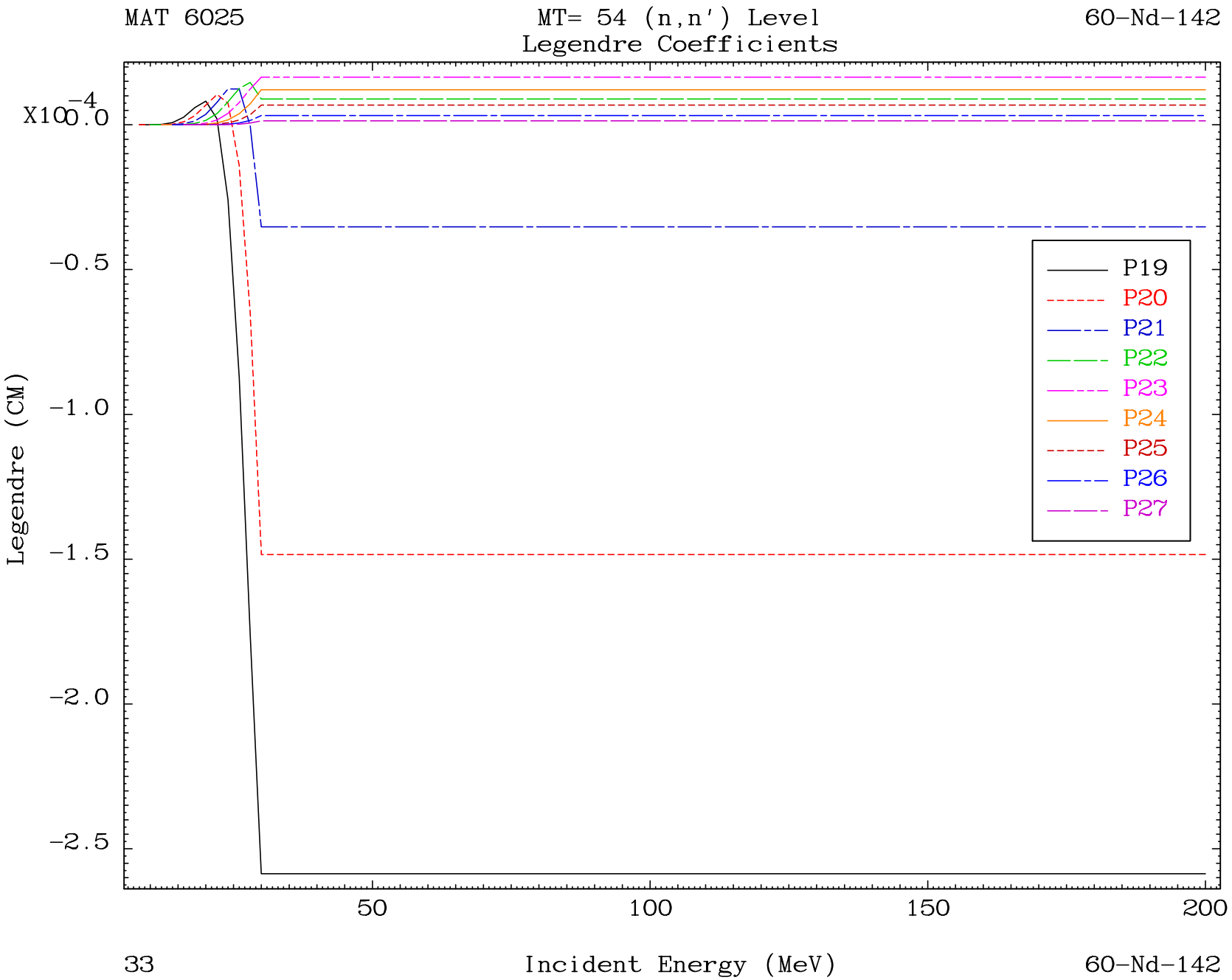

MAT 6025
MT= 53 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.04
0.03
0.02
0.01
0.00
0
50
100
150
200
28
Incident Energy (MeV)
60-Nd-142

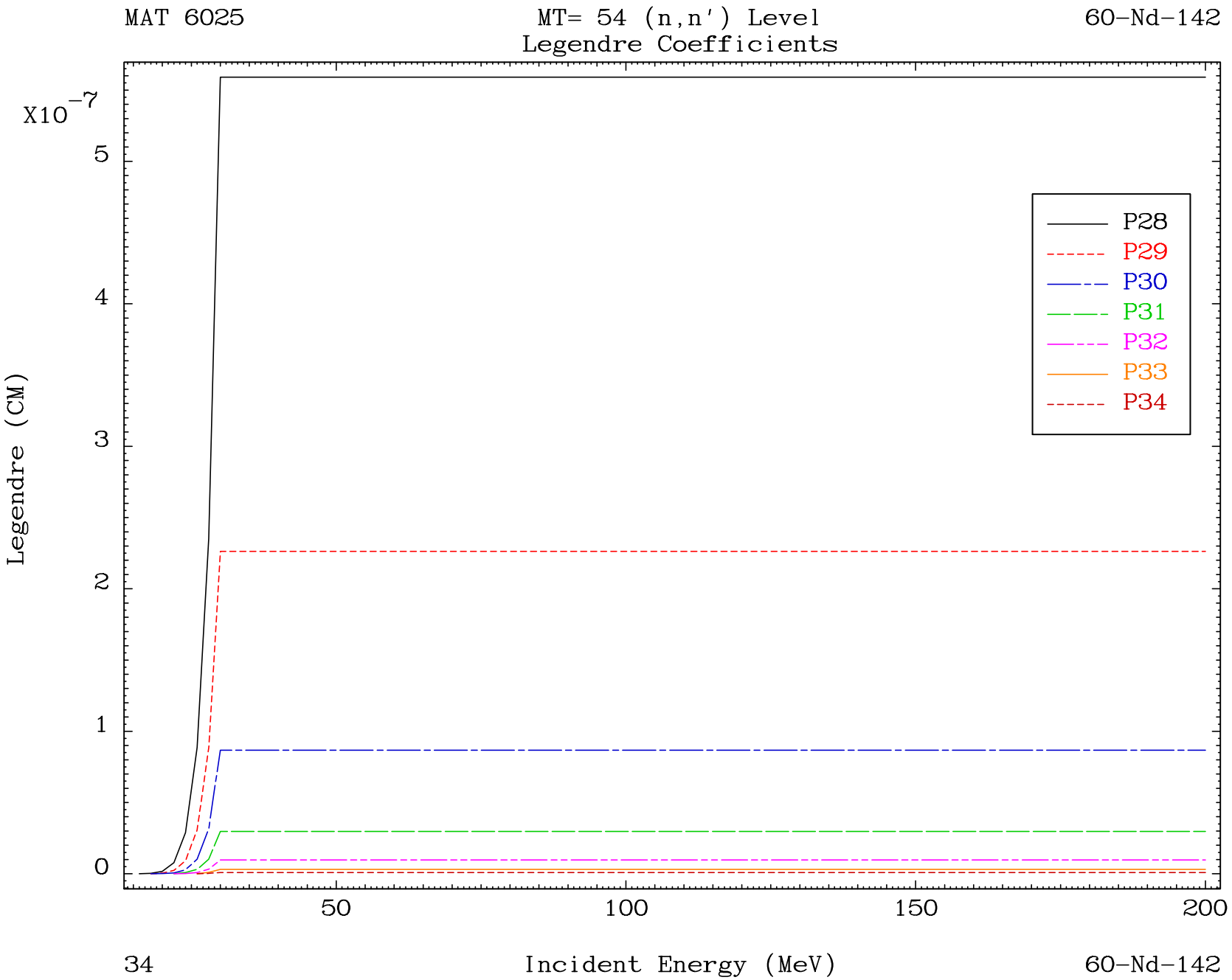

MAT 6025
MT= 53 (n,n') Level
Legendre Coefficients
60-Nd-142
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
29
Incident Energy (MeV)
60-Nd-142

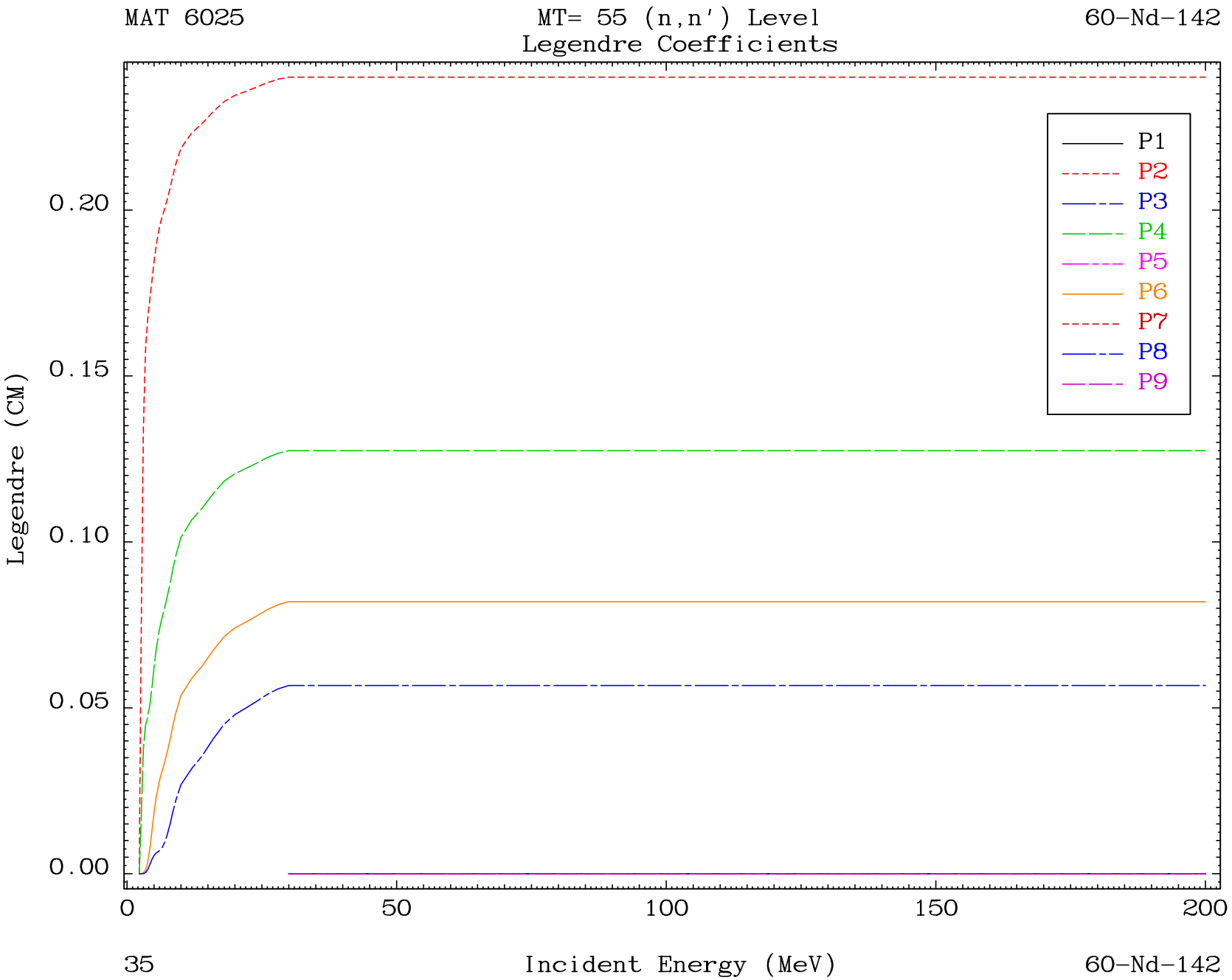

MAT 6025
MT= 53 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
30
Incident Energy (MeV)
60-Nd-142

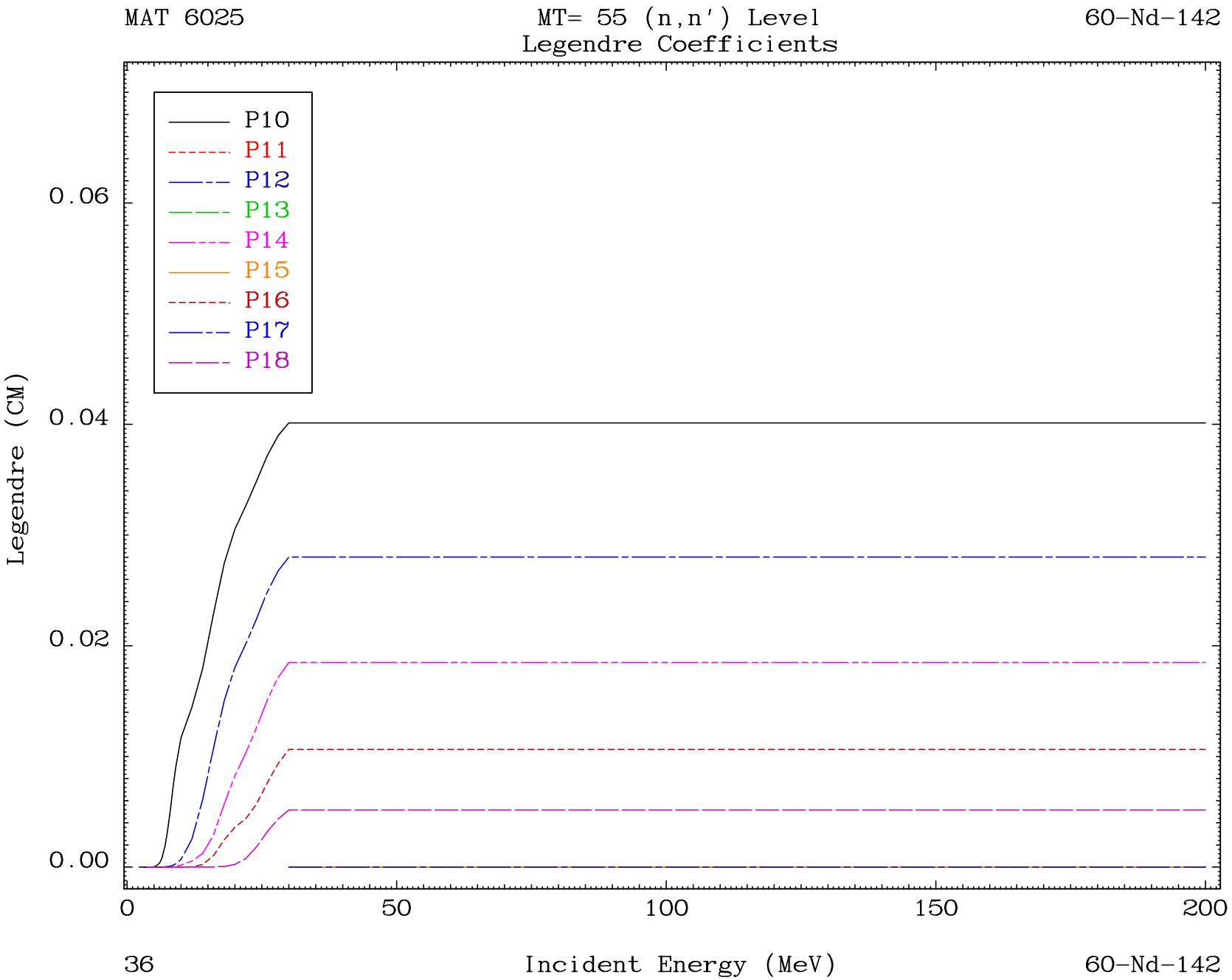

MAT 6025
MT= 54 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
31
Incident Energy (MeV)
60-Nd-142

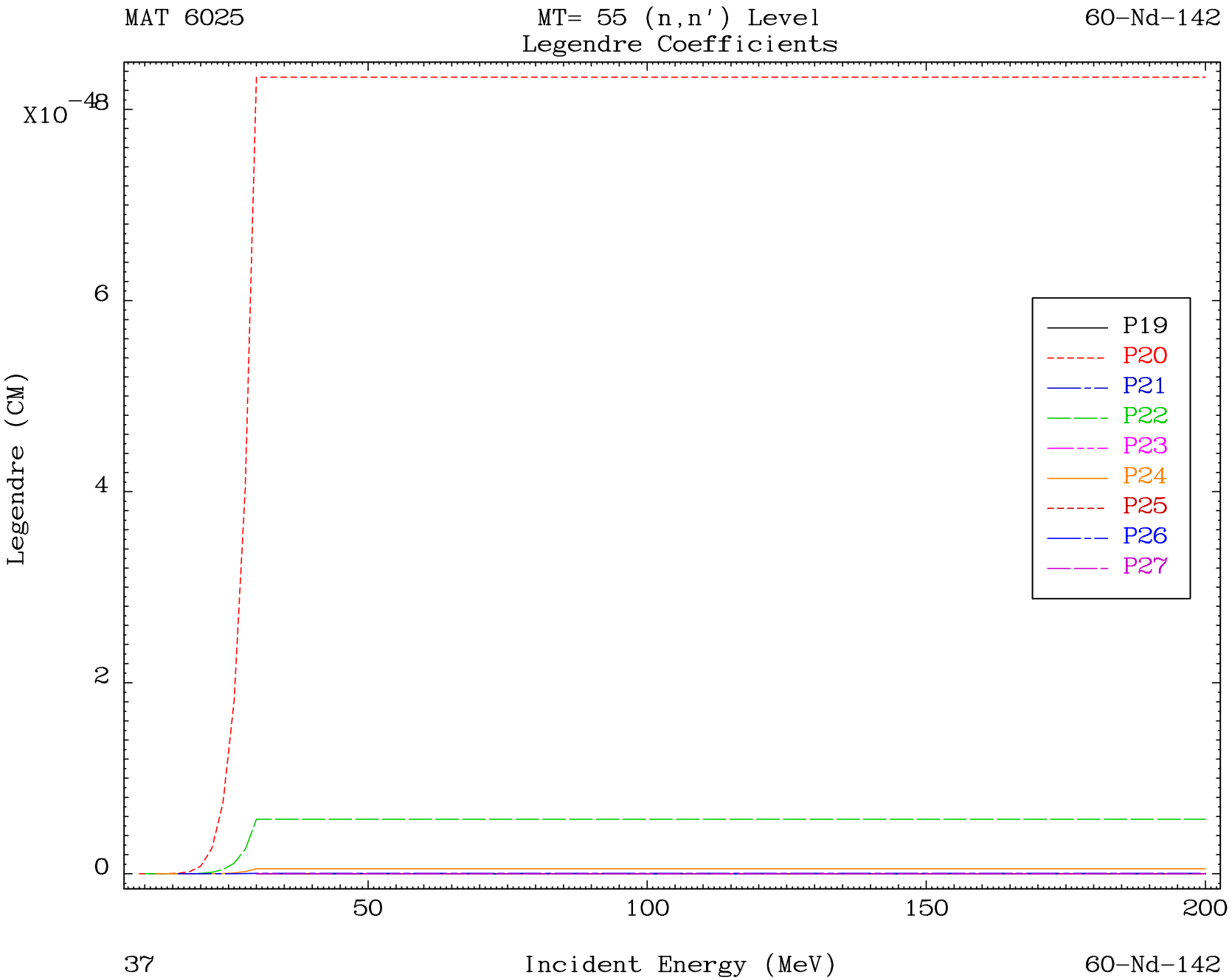

MAT 6025
MT= 54 (n,n') Level
Legendre Coefficients
60-Nd-142
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
32
Incident Energy (MeV)
60-Nd-142

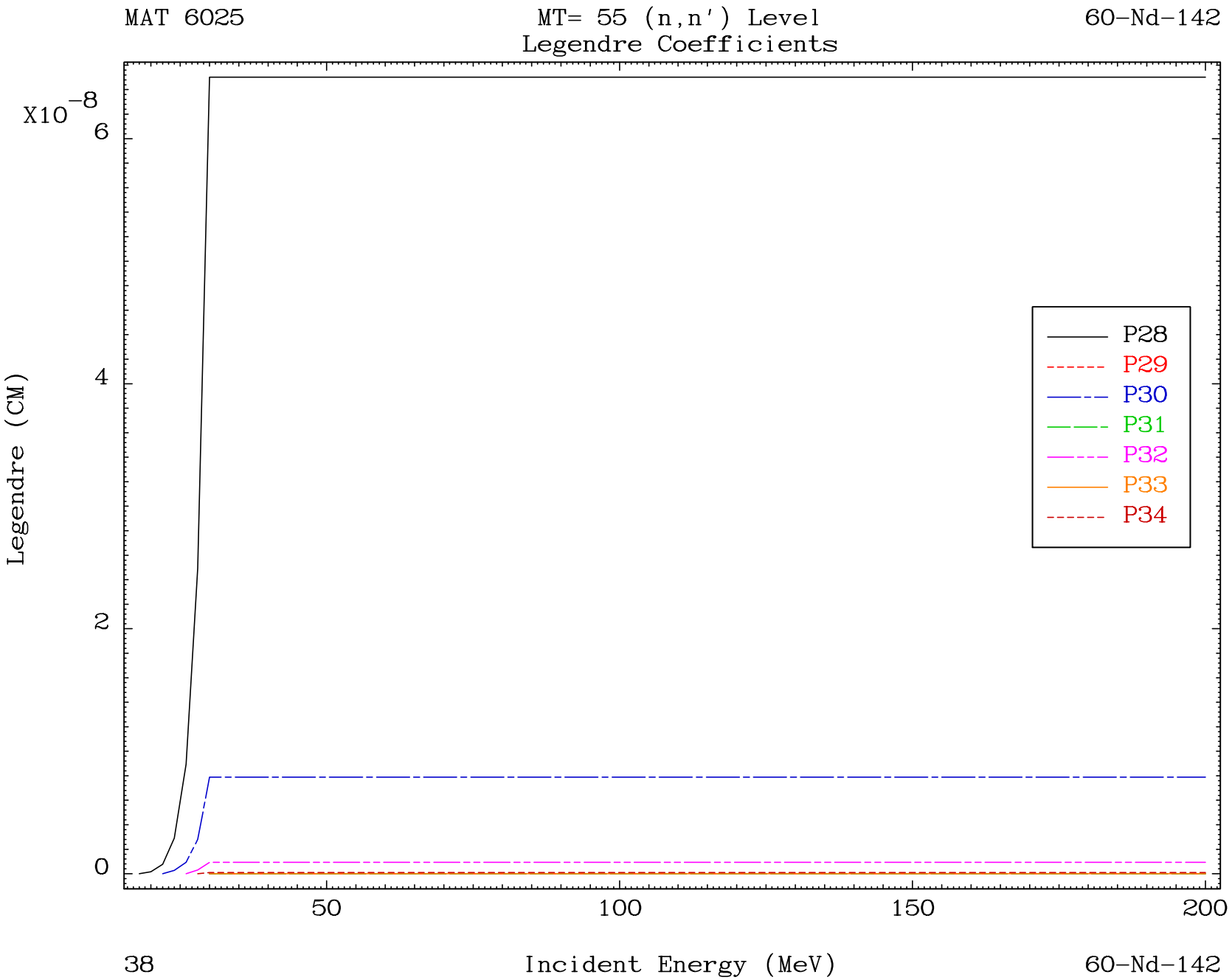

MAT 6025
MT= 54 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
33
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

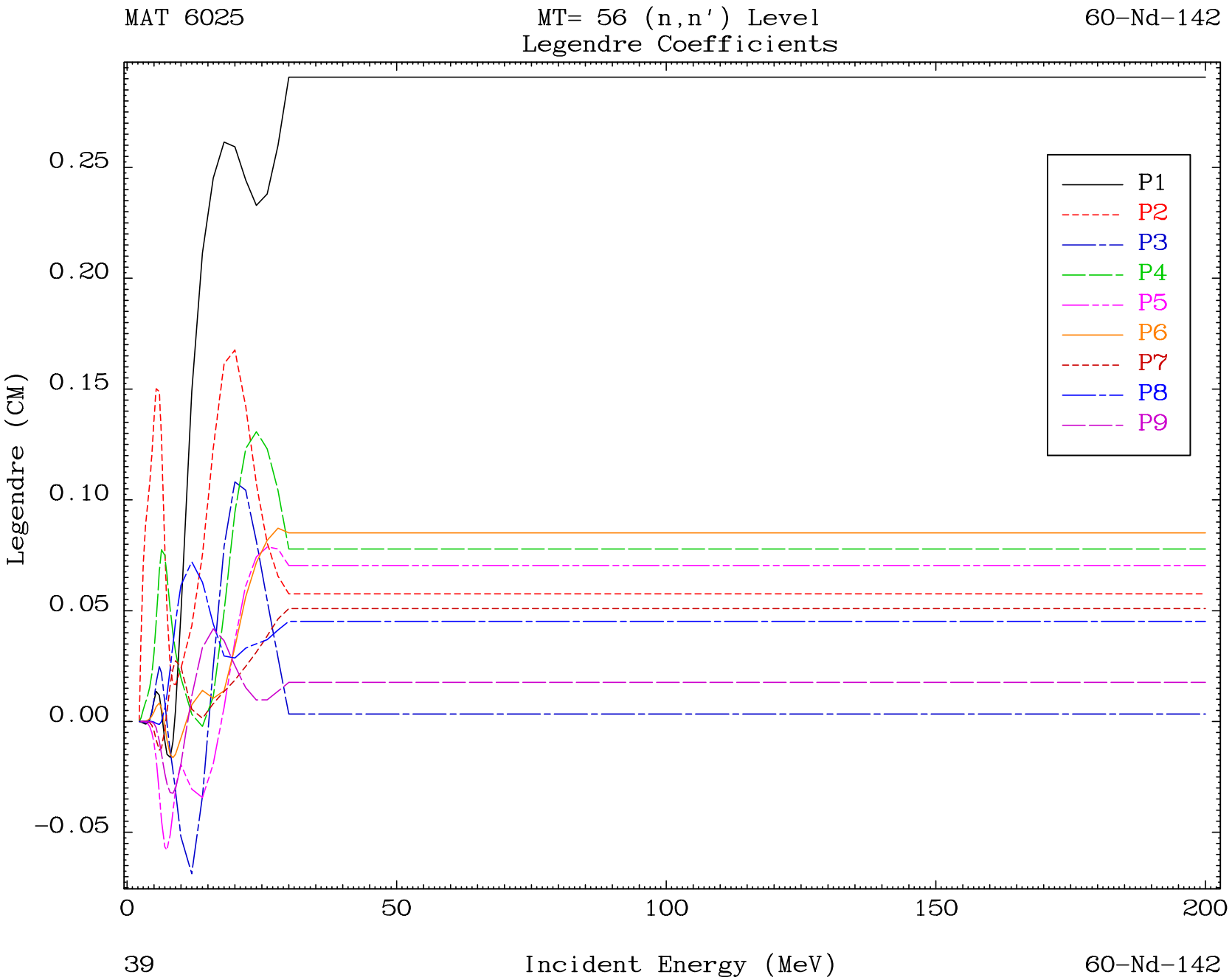

MAT 6025
MT= 54 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
34
Incident Energy (MeV)
60-Nd-142

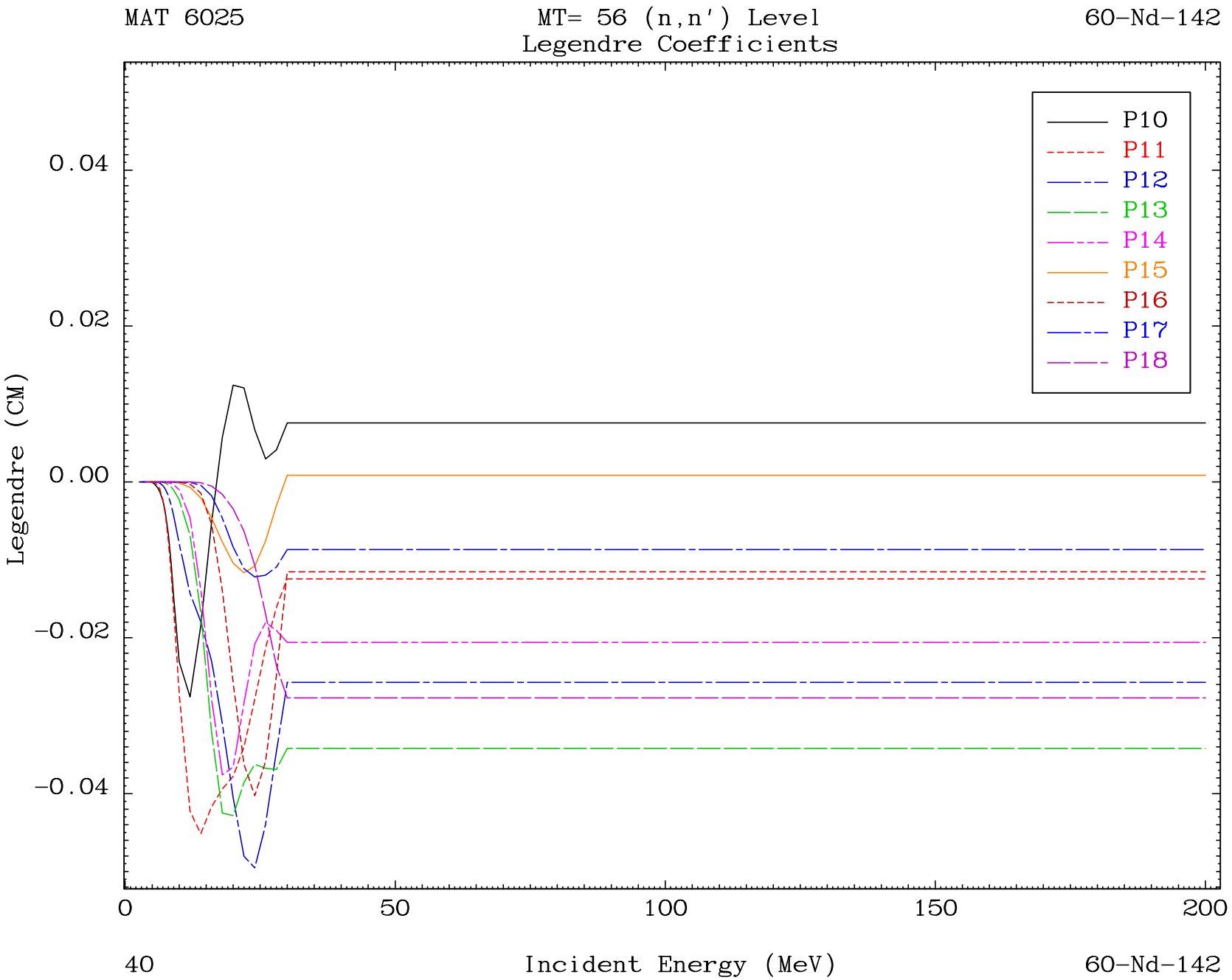

MAT 6025
MT= 55 (n,n') Level
Legendre Coefficients
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
0
50
100
150
200
35
Incident Energy (MeV)
60-Nd-142

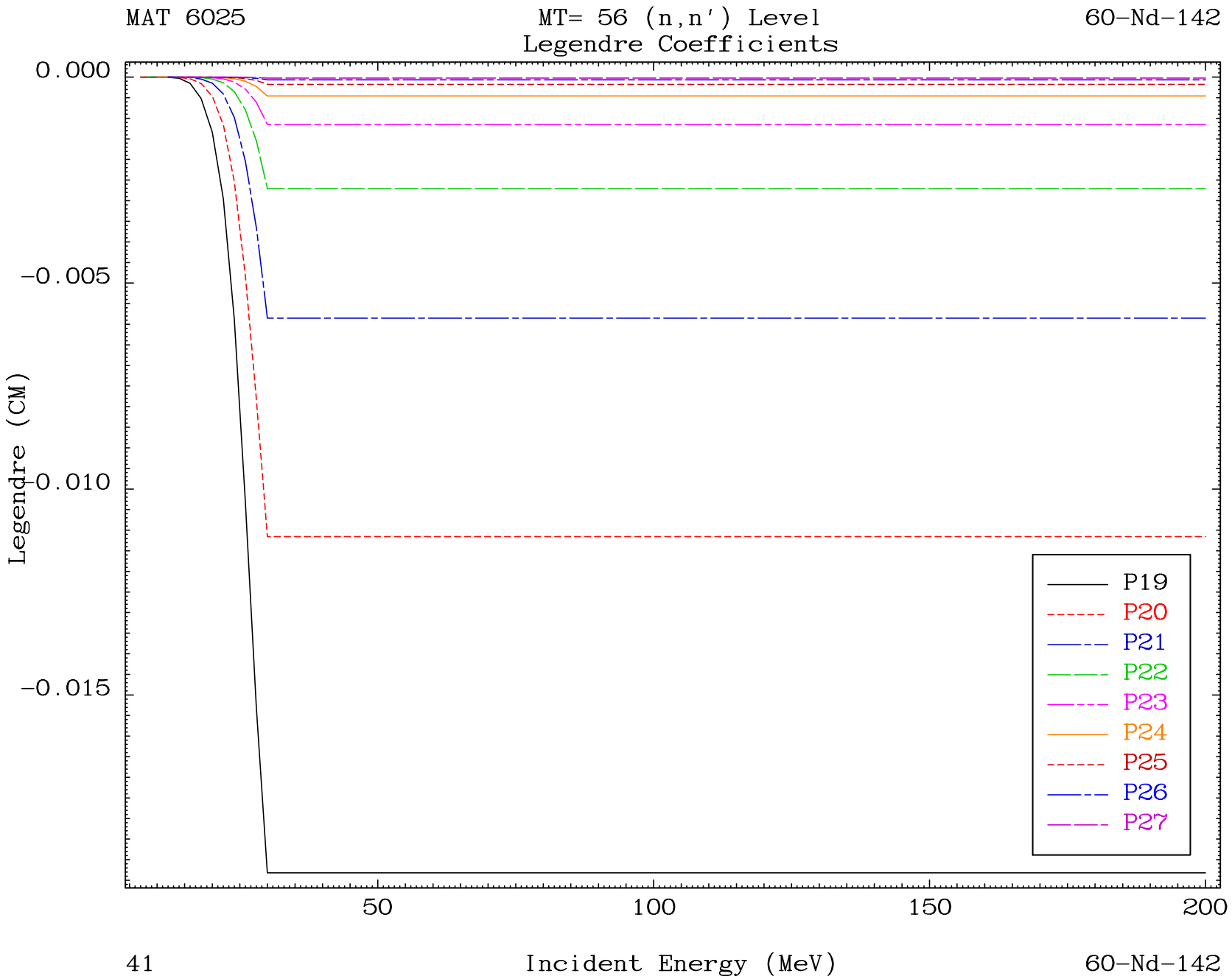

MAT 6025
MT= 55 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
60-Nd-142

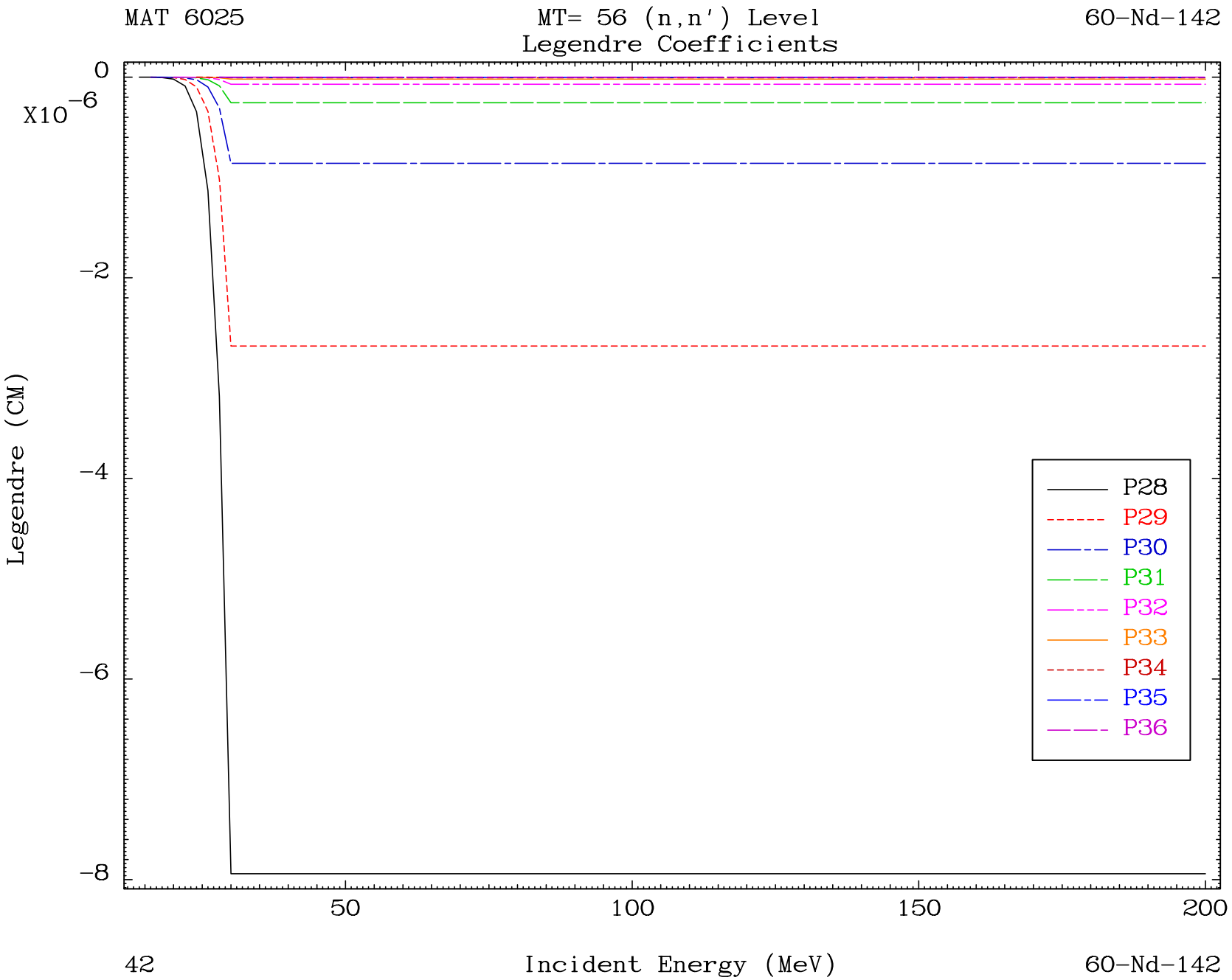

MAT 6025
MT= 55 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-48
6
4
2
0
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

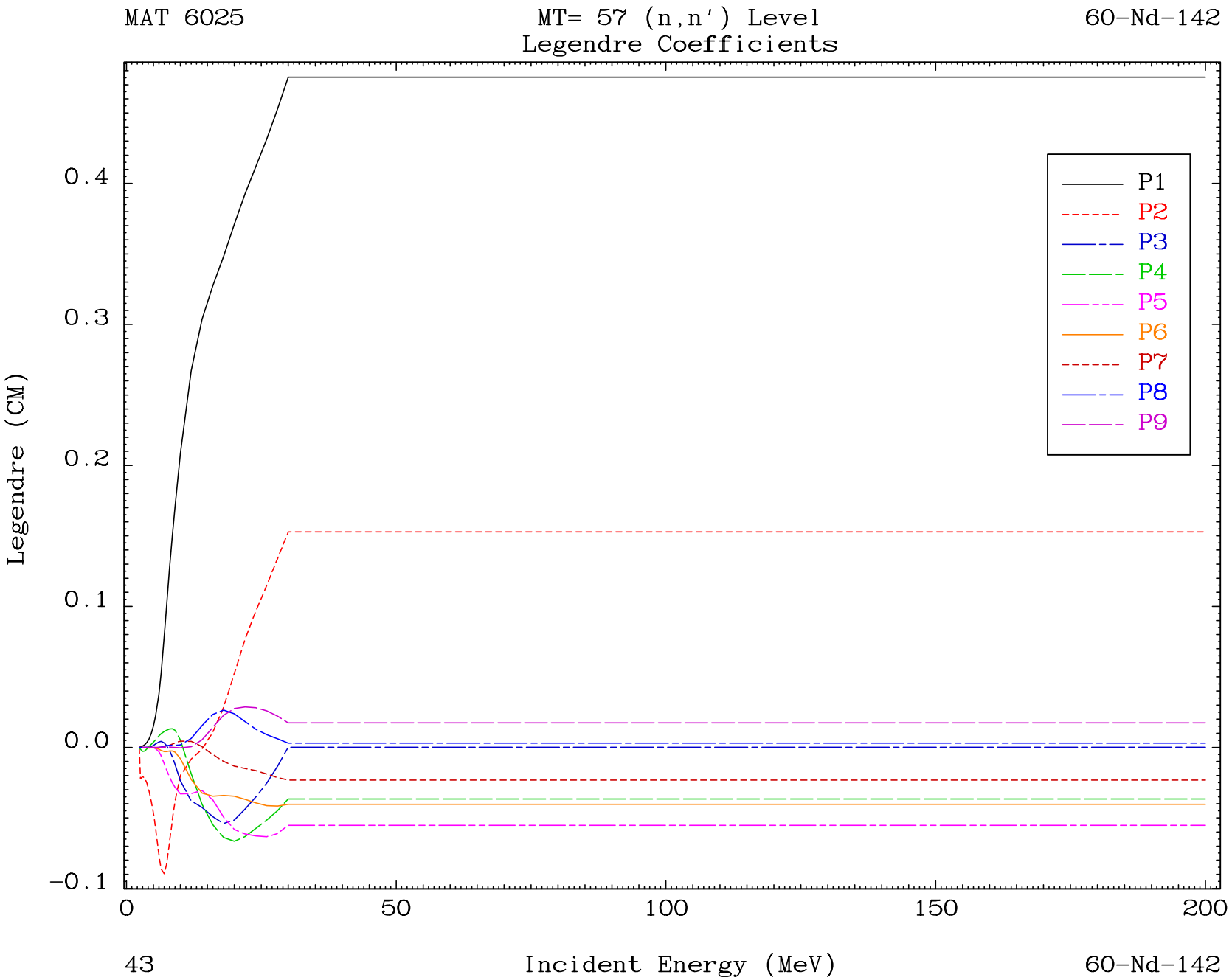

MAT 6025
MT= 55 (n,n') Level
Legendre Coefficients
60-Nd-142
X10 -8
6
4
2
0
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34

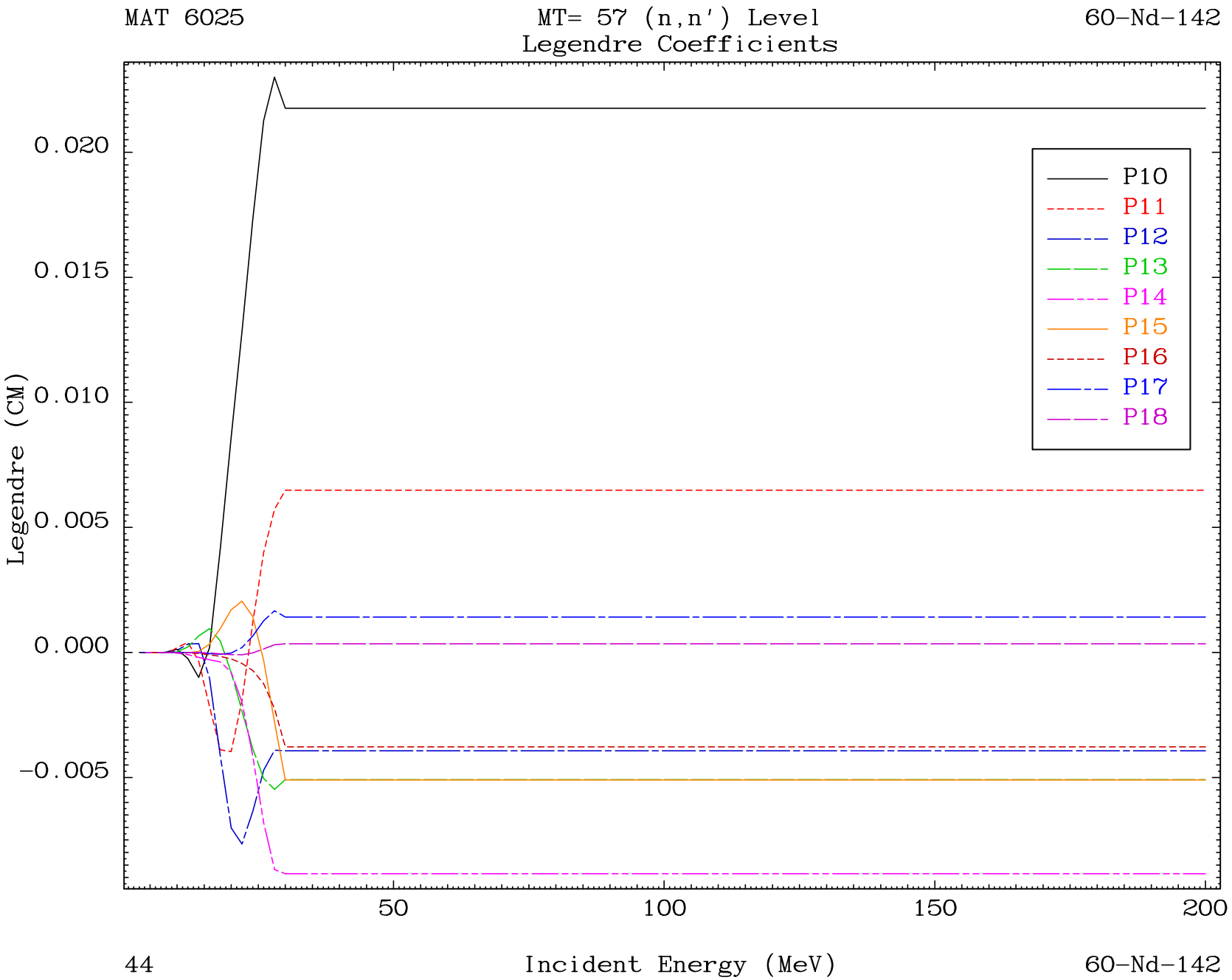

MAT 6025
MT= 56 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
39
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

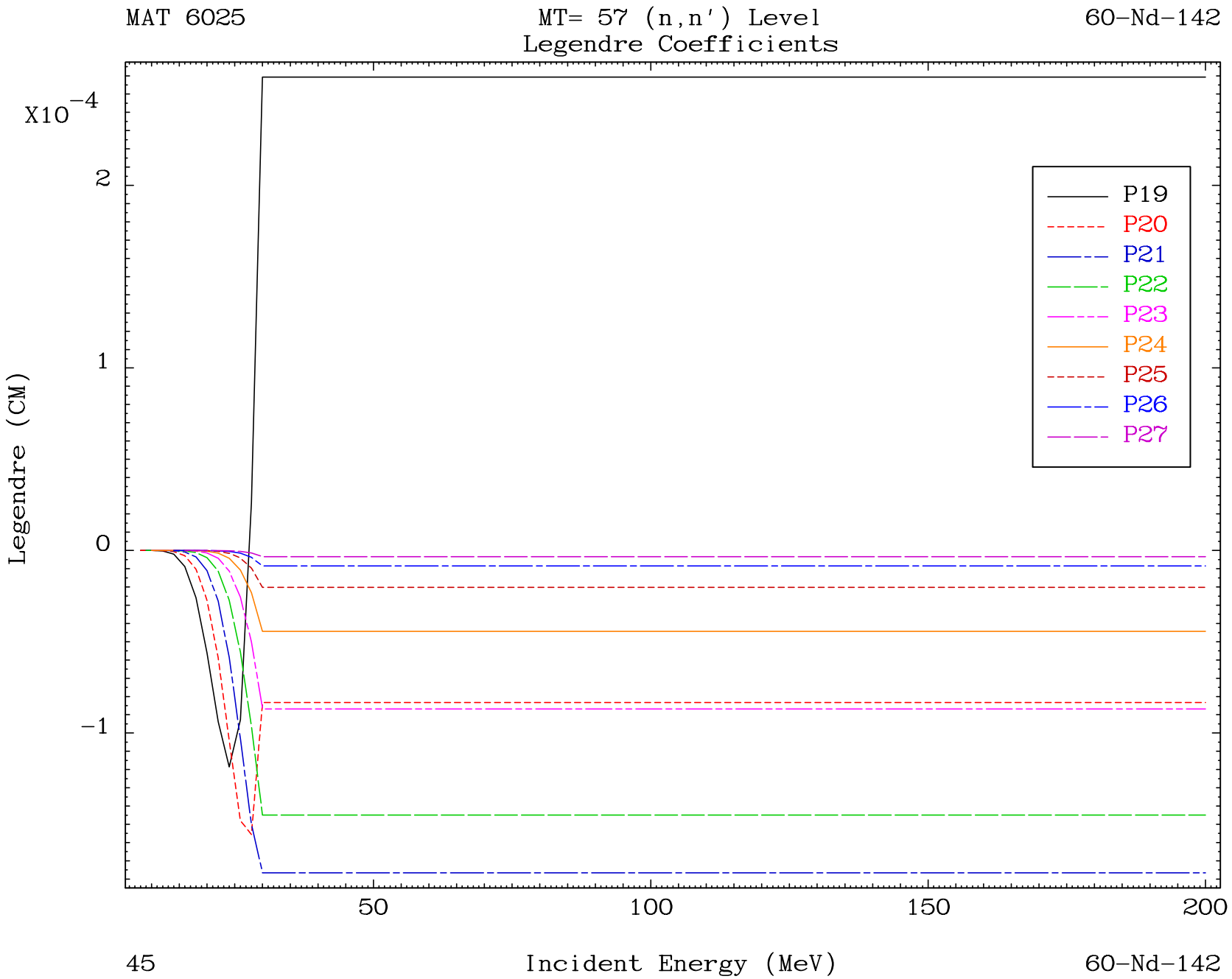

MAT 6025
MT= 56 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
40
Incident Energy (MeV)
60-Nd-142

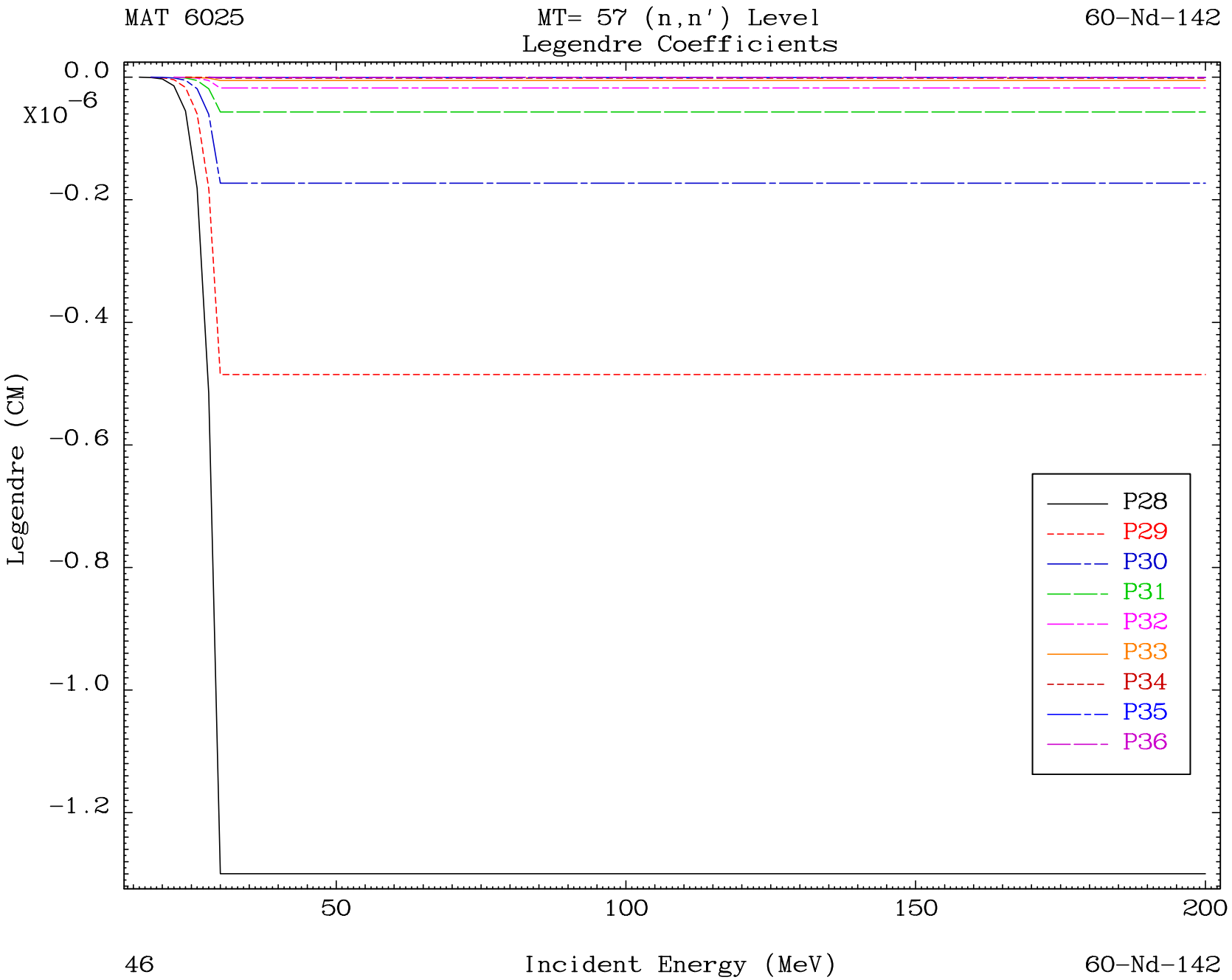

MAT 6025
MT= 56 (n,n') Level
Legendre Coefficients
60-Nd-142
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

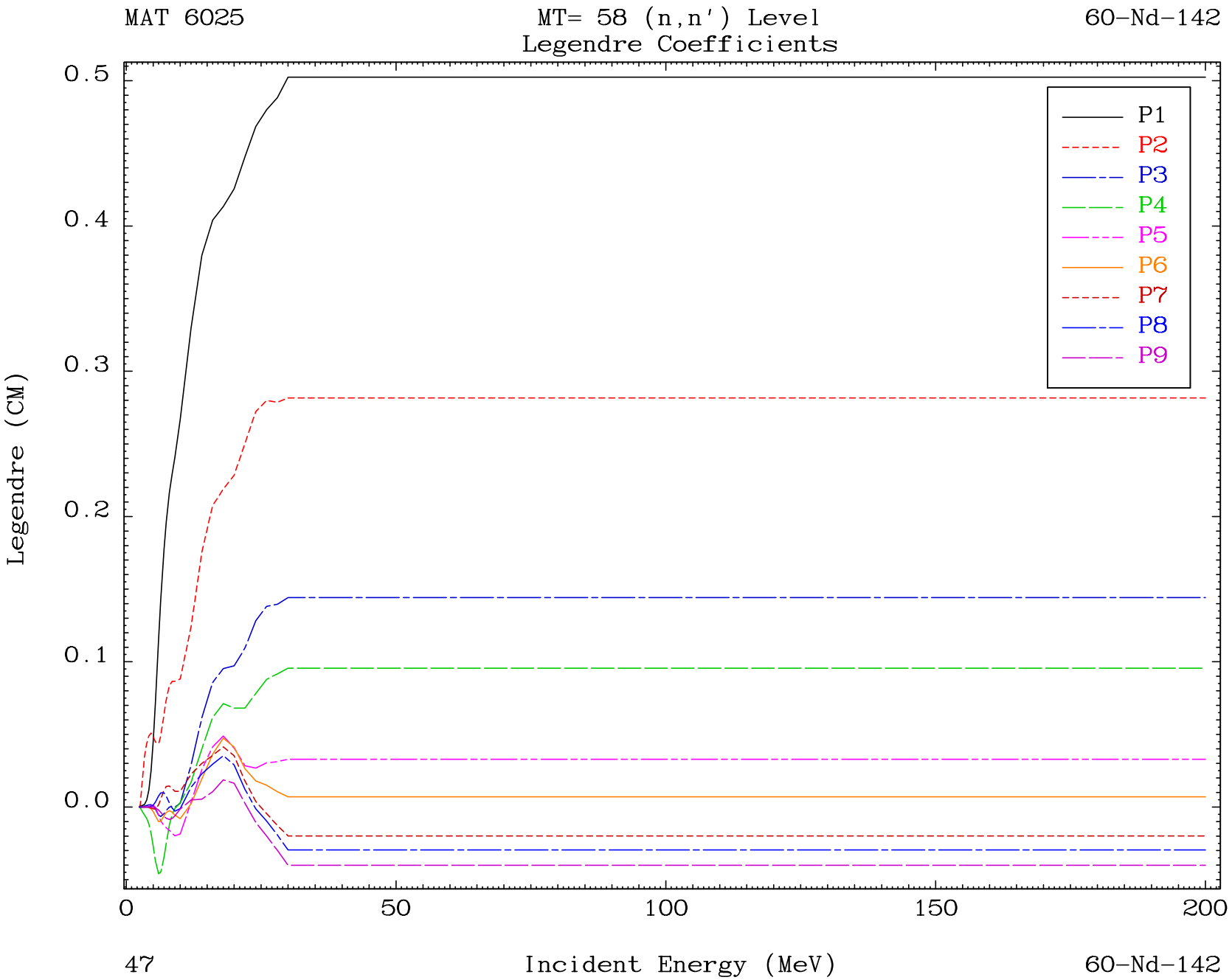

MAT 6025
MT= 56 (n,n') Level
Legendre Coefficients
60-Nd-142
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

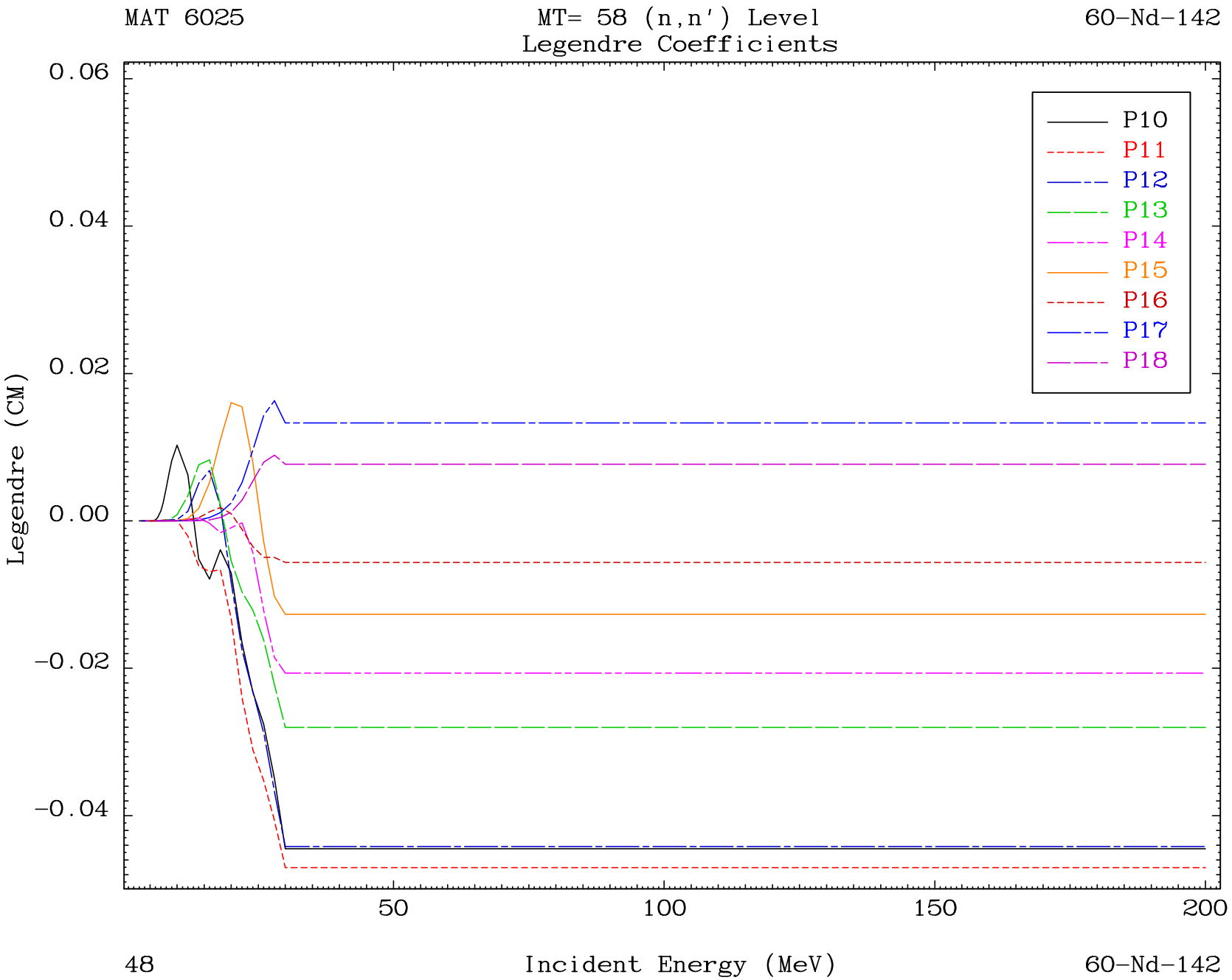

MAT 6025
MT= 57 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
43
Incident Energy (MeV)
60-Nd-142

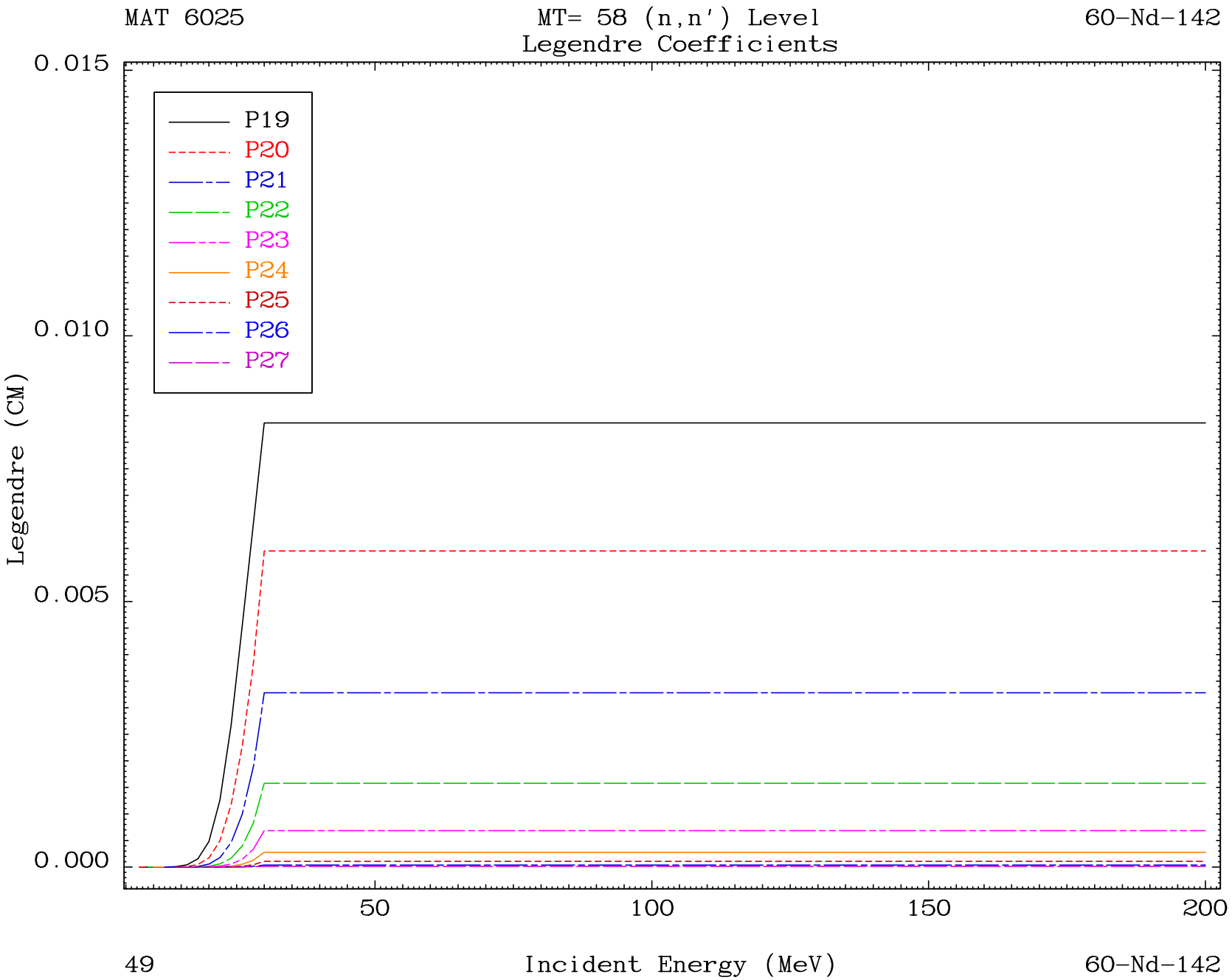

MAT 6025
MT= 57 (n,n') Level
Legendre Coefficients
60-Nd-142
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
44
Incident Energy (MeV)
60-Nd-142

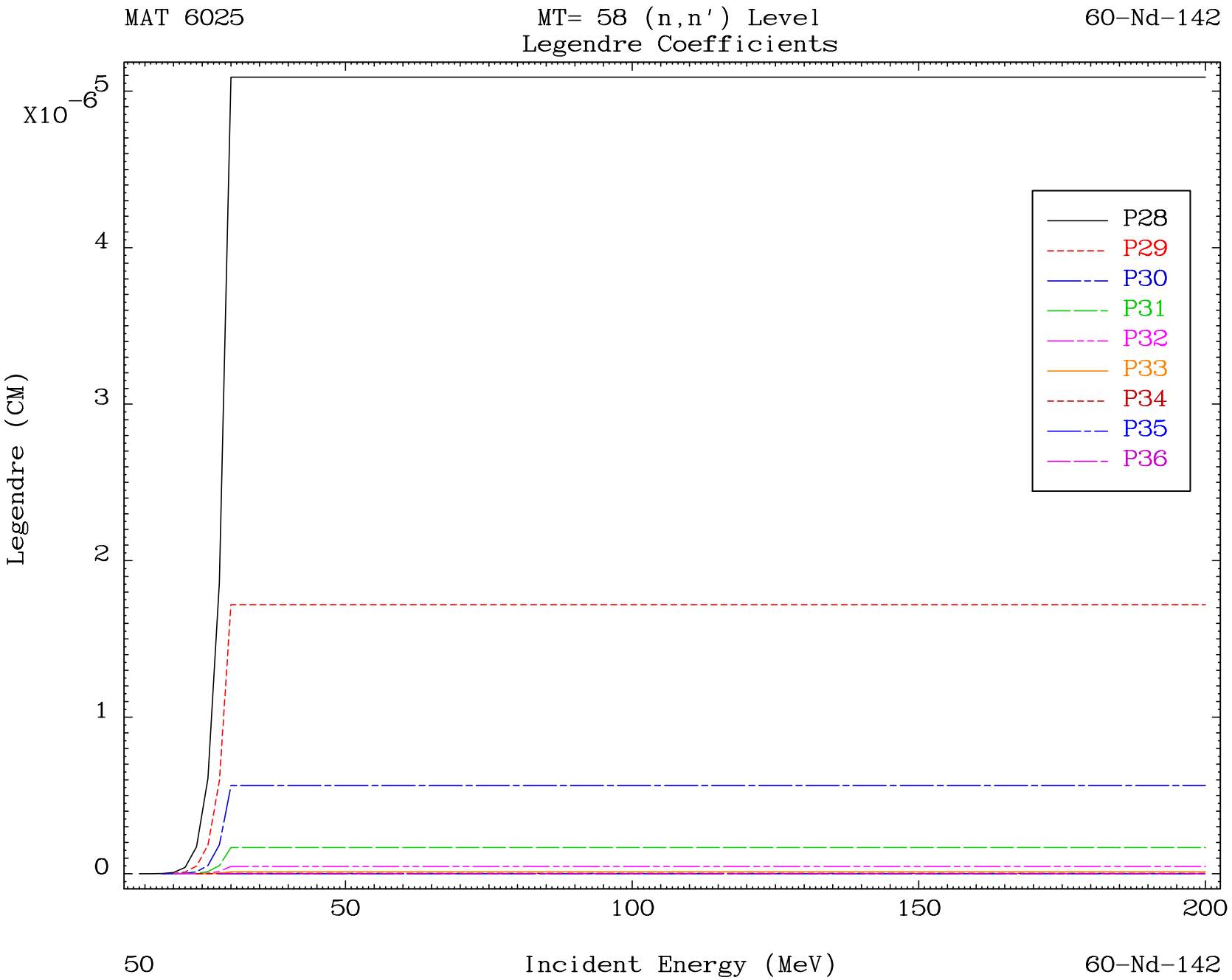

MAT 6025
MT= 57 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-4
2
1
0
-1
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
45
Incident Energy (MeV)
60-Nd-142

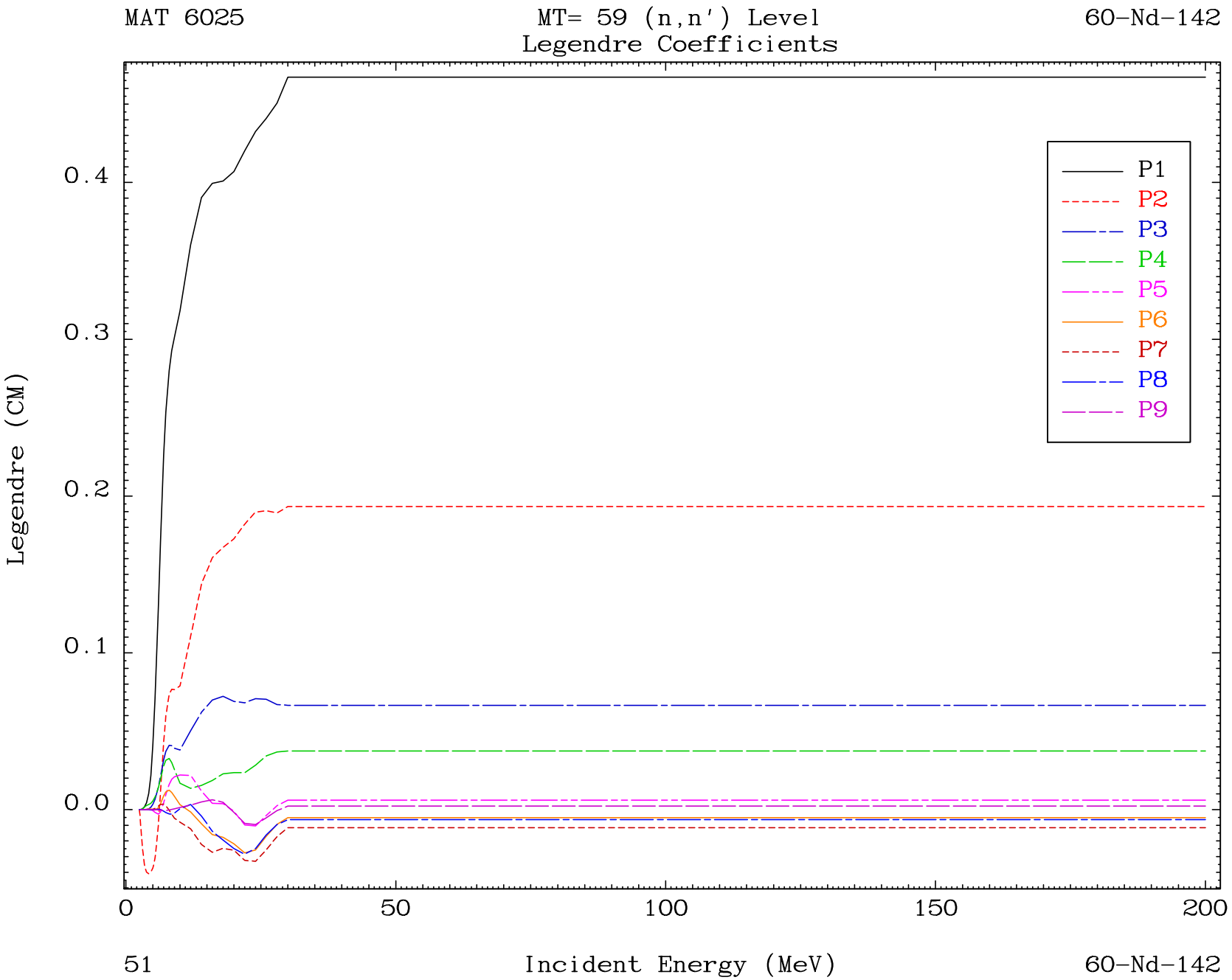

MAT 6025
MT= 57 (n,n') Level
Legendre Coefficients
60-Nd-142
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

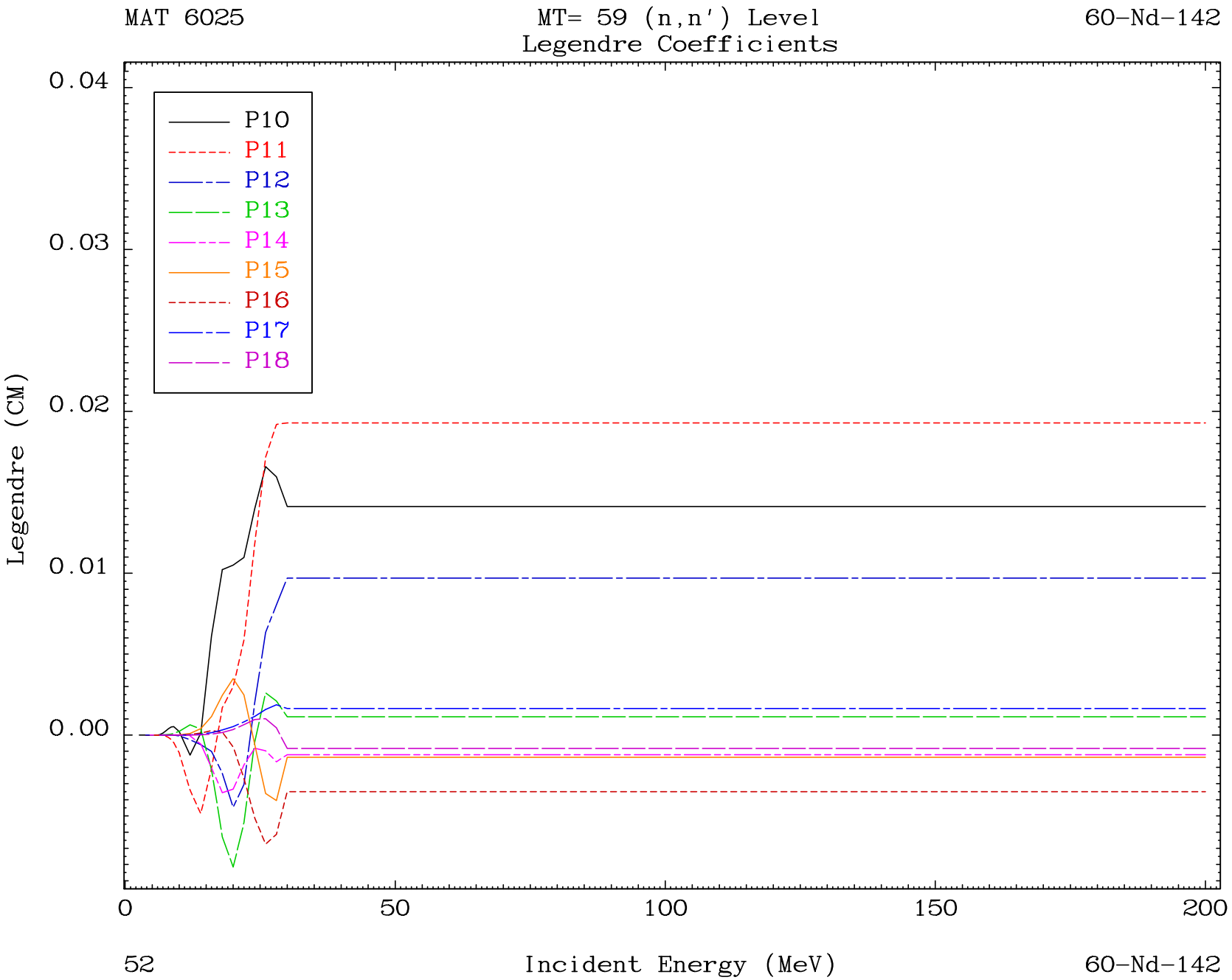

MAT 6025
MT= 58 (n,n') Level
Legendre Coefficients
60-Nd-142
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
47
Incident Energy (MeV)
60-Nd-142

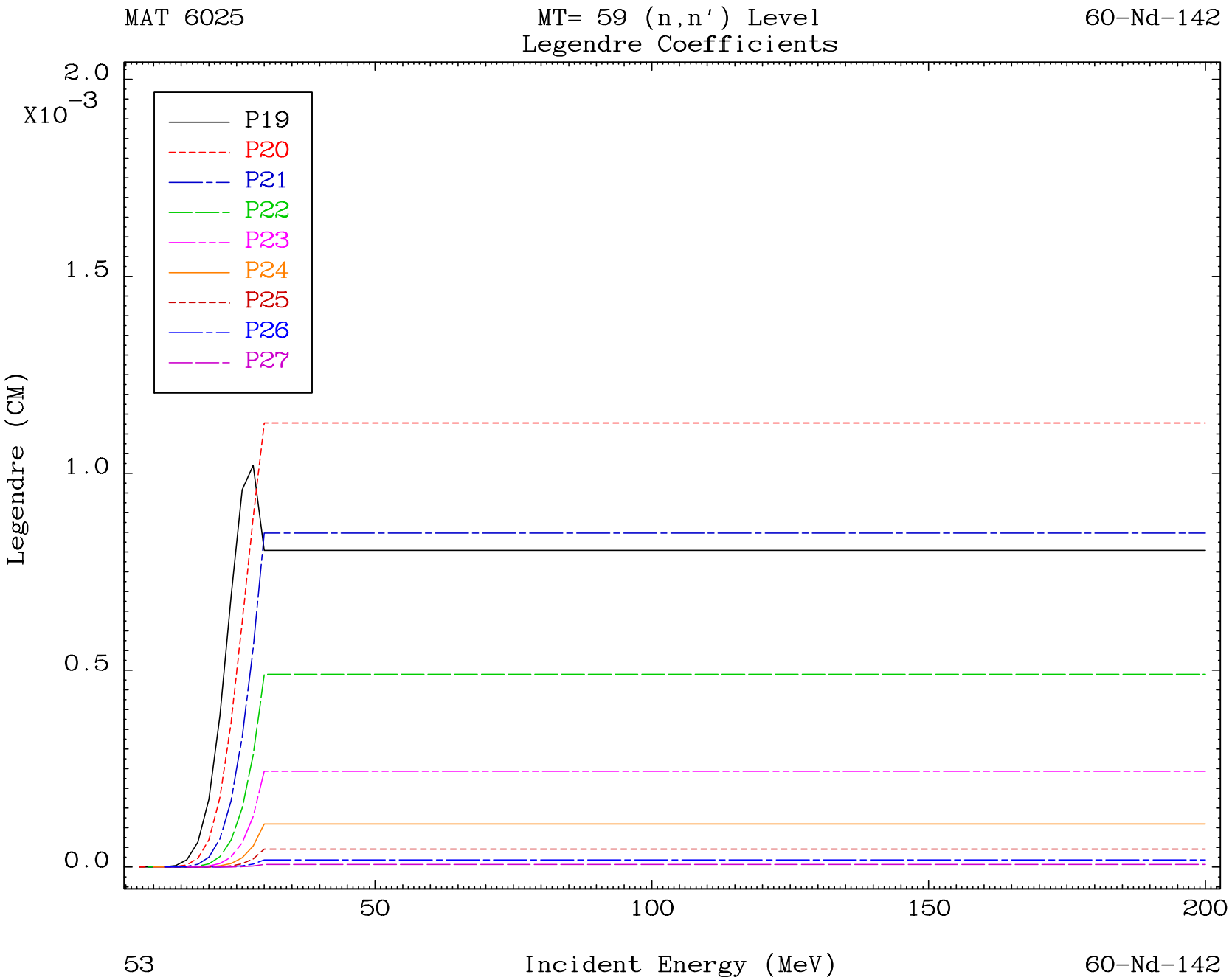

MAT 6025
MT= 58 (n,n') Level
Legendre Coefficients
60-Nd-142
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
48
Incident Energy (MeV)
60-Nd-142

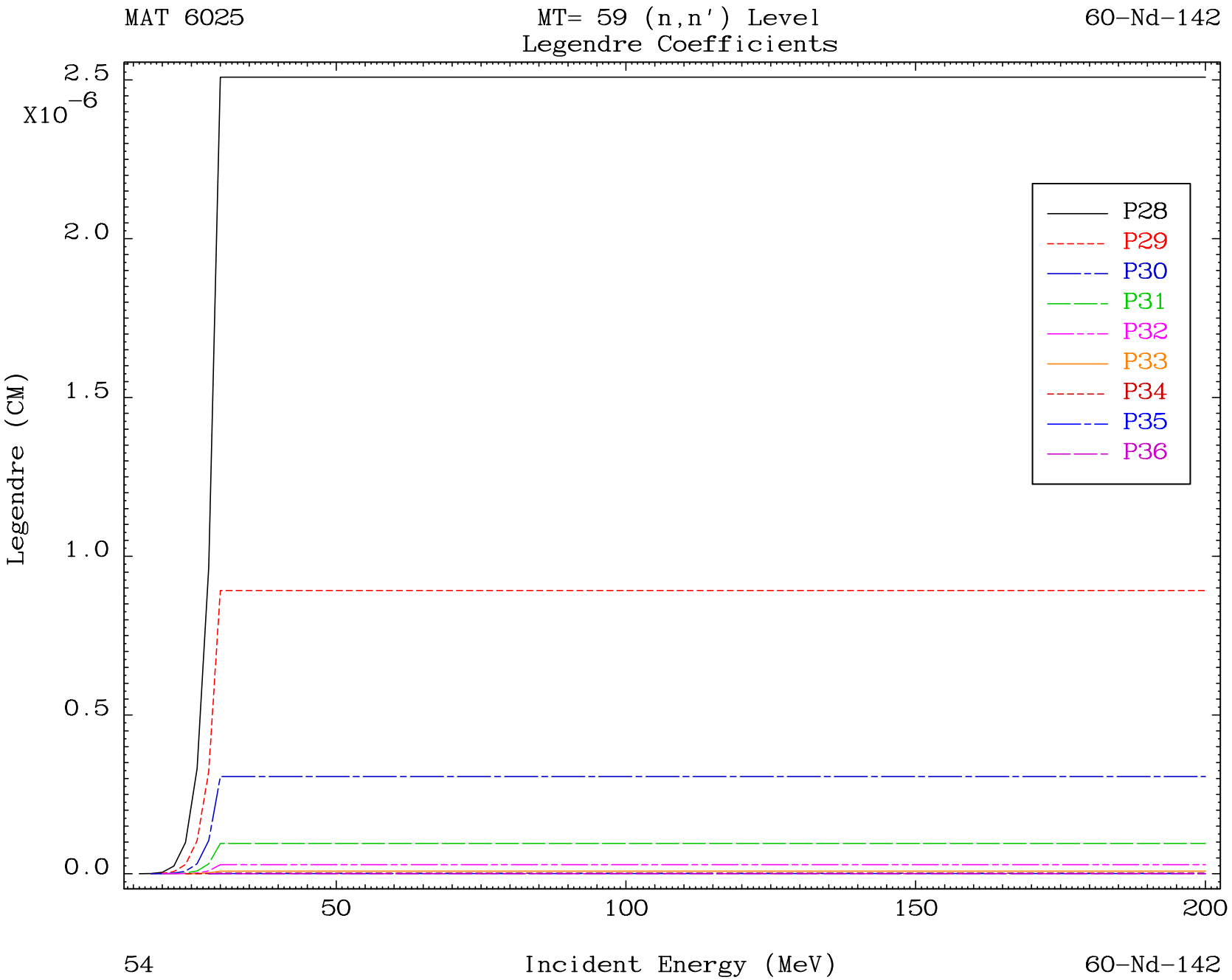

MAT 6025
MT= 58 (n,n') Level
Legendre Coefficients
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
60-Nd-142

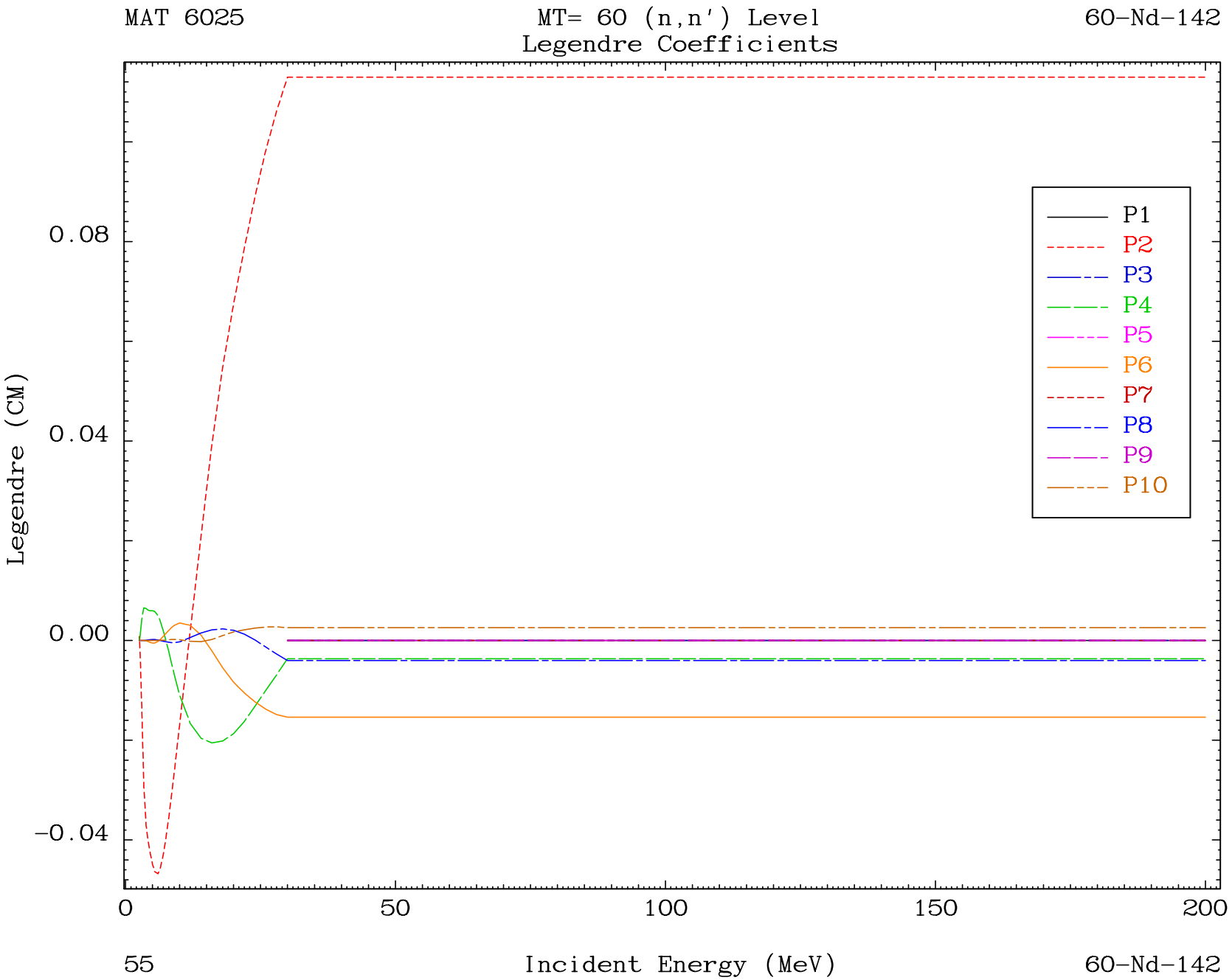

MAT 6025
MT= 58 (n,n') Level
Legendre Coefficients
60-Nd-142
X10 -6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
50
Incident Energy (MeV)
60-Nd-142

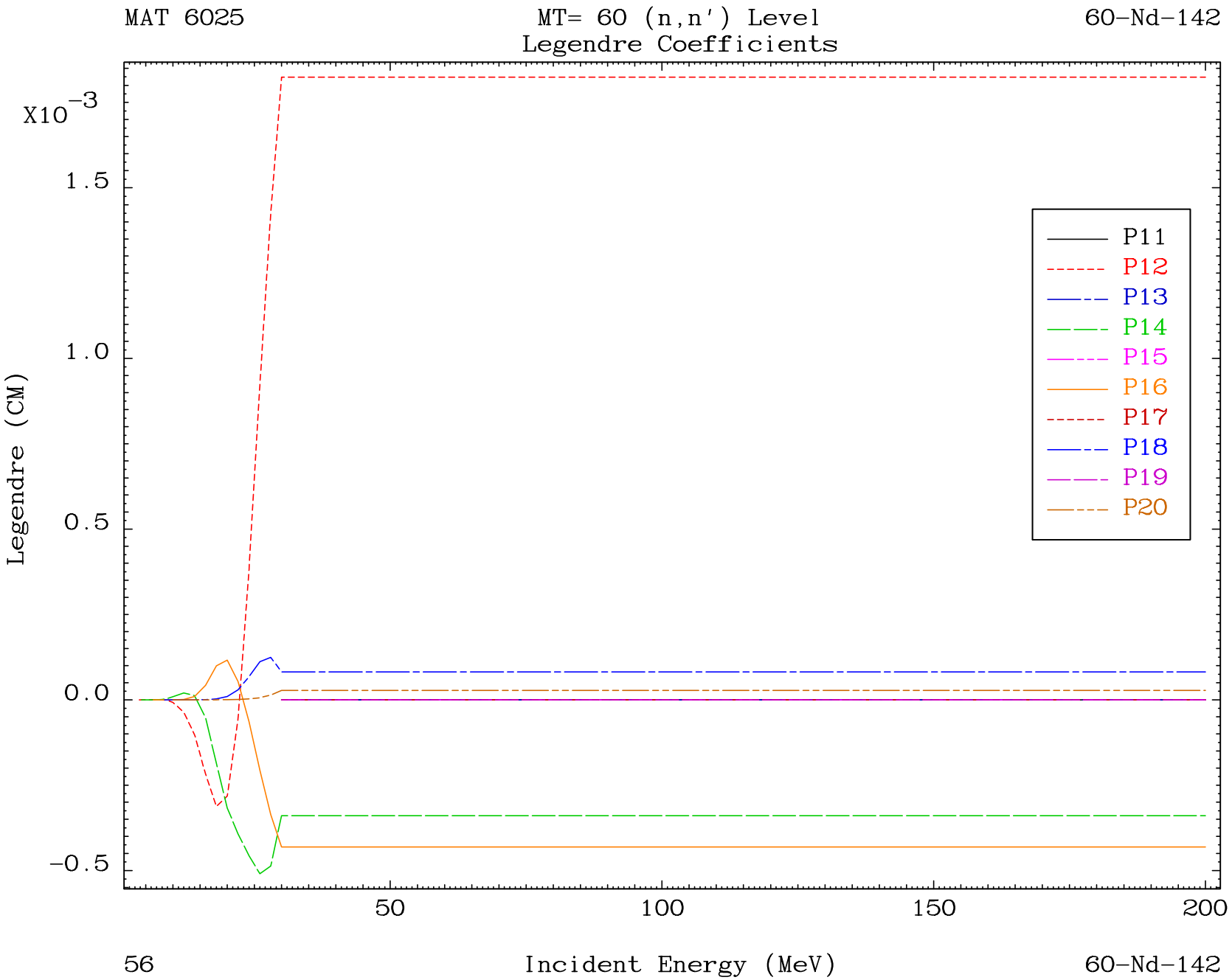

MAT 6025
MT= 59 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
51
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

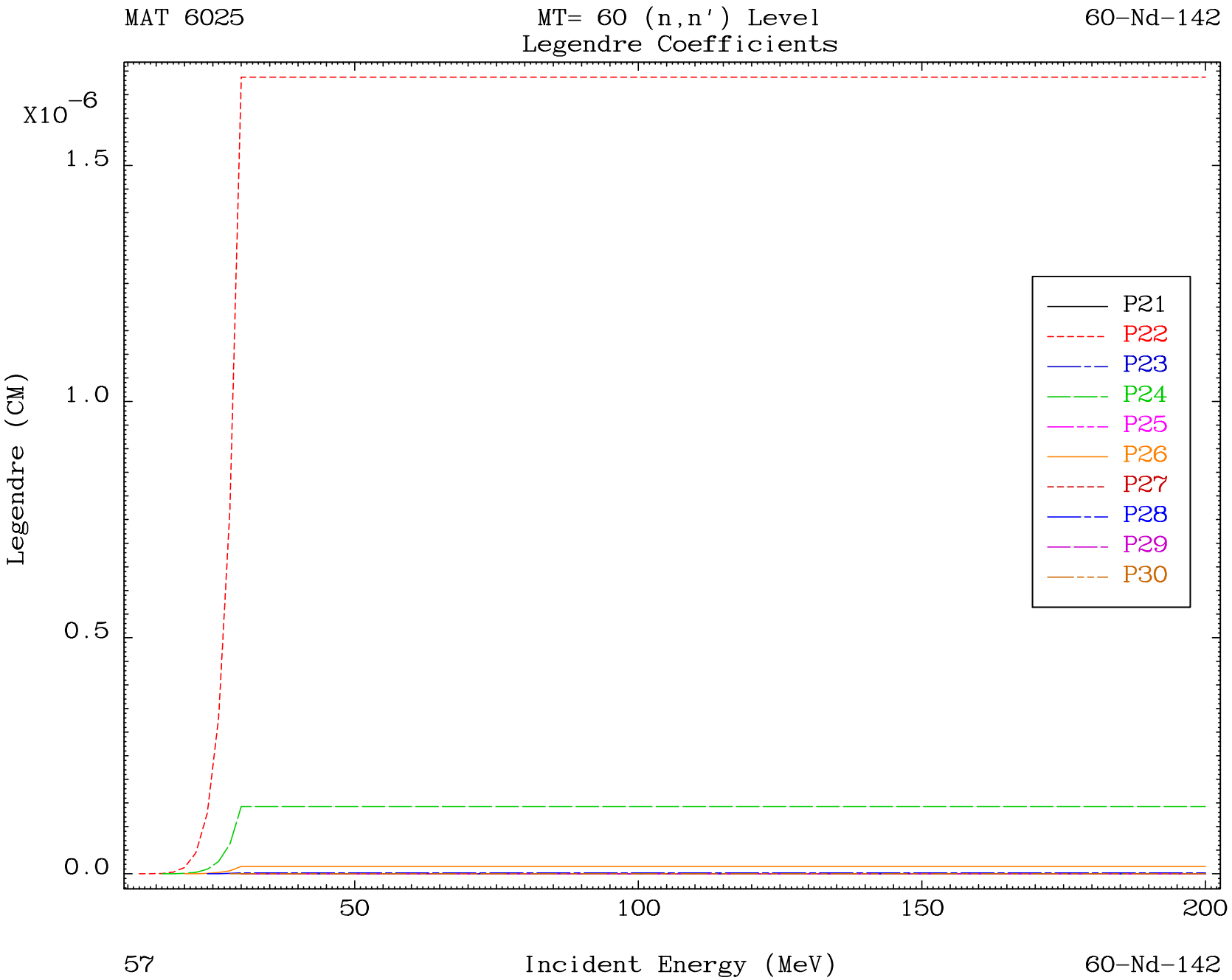

MAT 6025
MT= 59 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.04
0.03
0.02
0.01
0.00
0
50
100
150
200
52
Incident Energy (MeV)
60-Nd-142

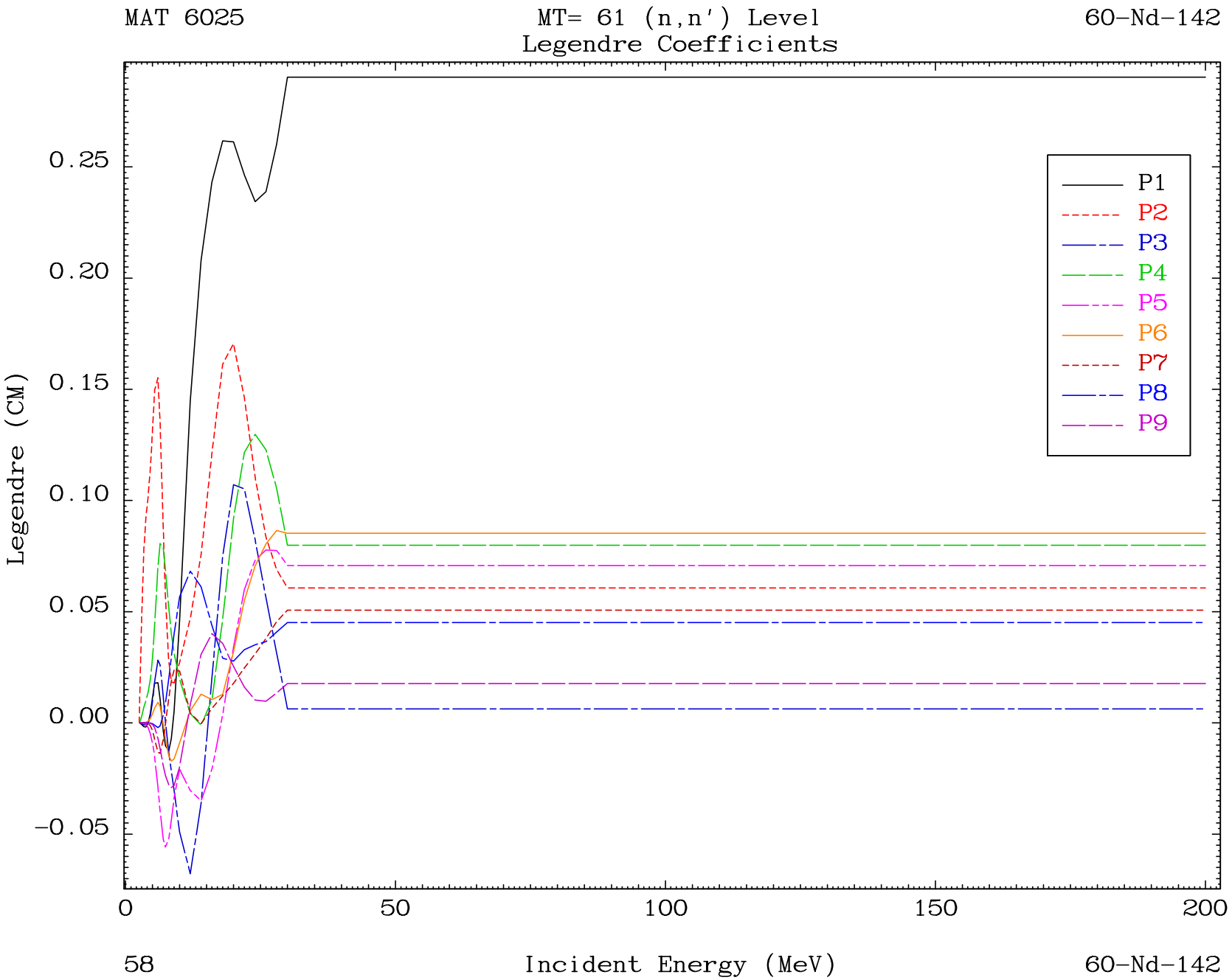

MAT 6025
MT= 59 (n,n') Level
Legendre Coefficients
60-Nd-142
2.0
X10 -3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
53
Incident Energy (MeV)
60-Nd-142

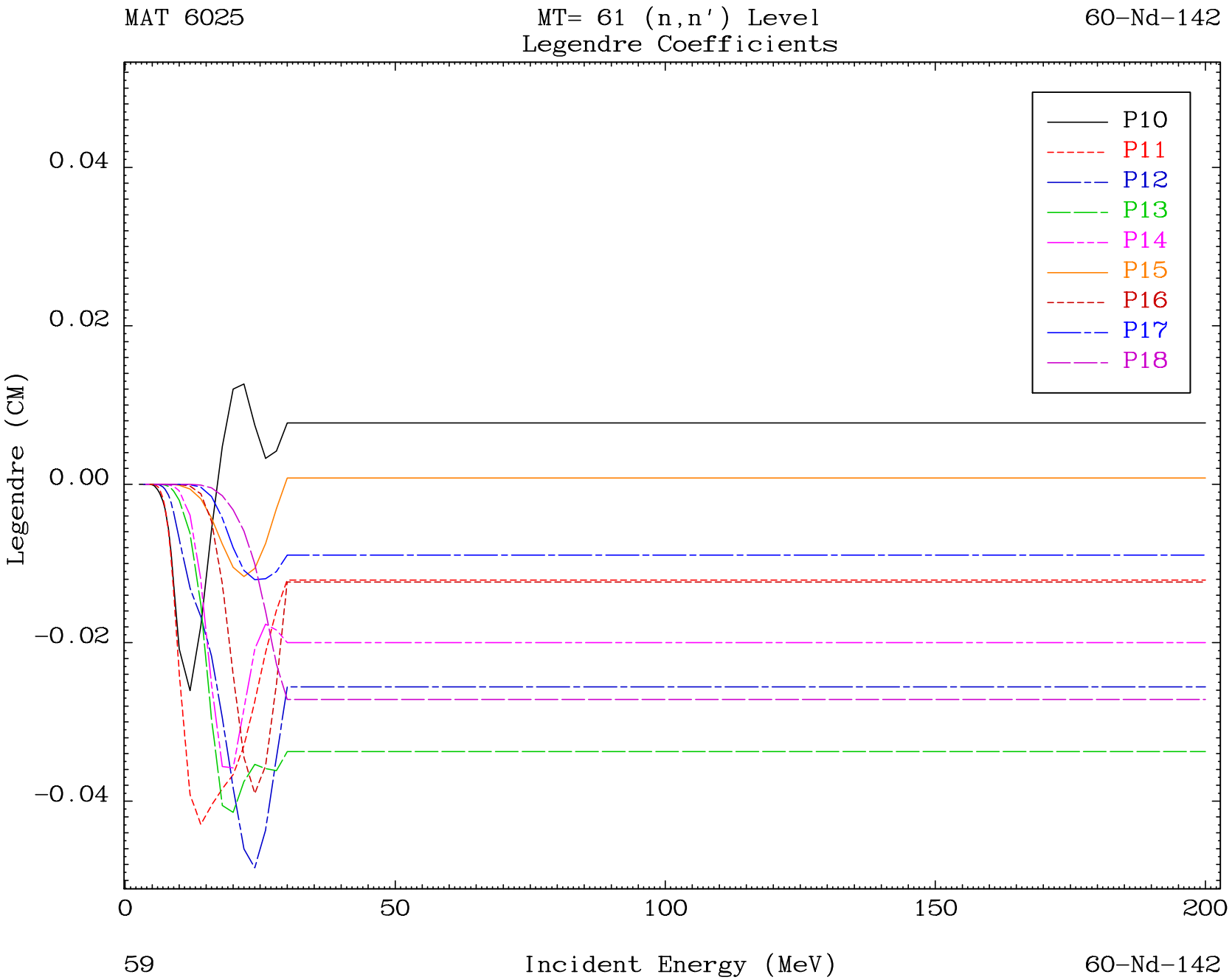

MAT 6025
MT= 59 (n,n') Level
Legendre Coefficients
60-Nd-142
X10 −6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
54
Incident Energy (MeV)
60-Nd-142

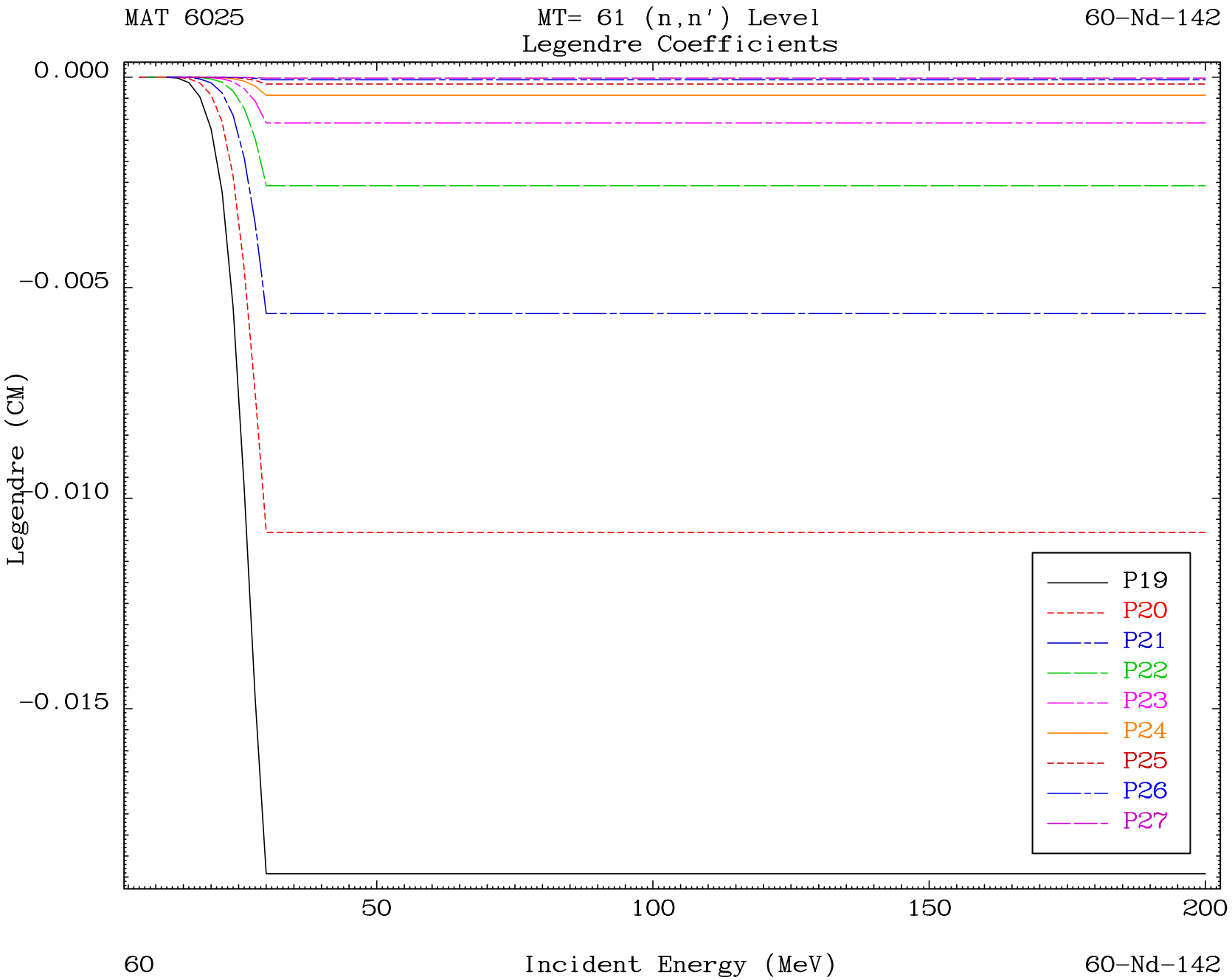

MAT 6025
MT= 60 (n,n') Level
Legendre Coefficients
60-Nd-142
0.08
0.04
0.00
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
55
Incident Energy (MeV)
60-Nd-142

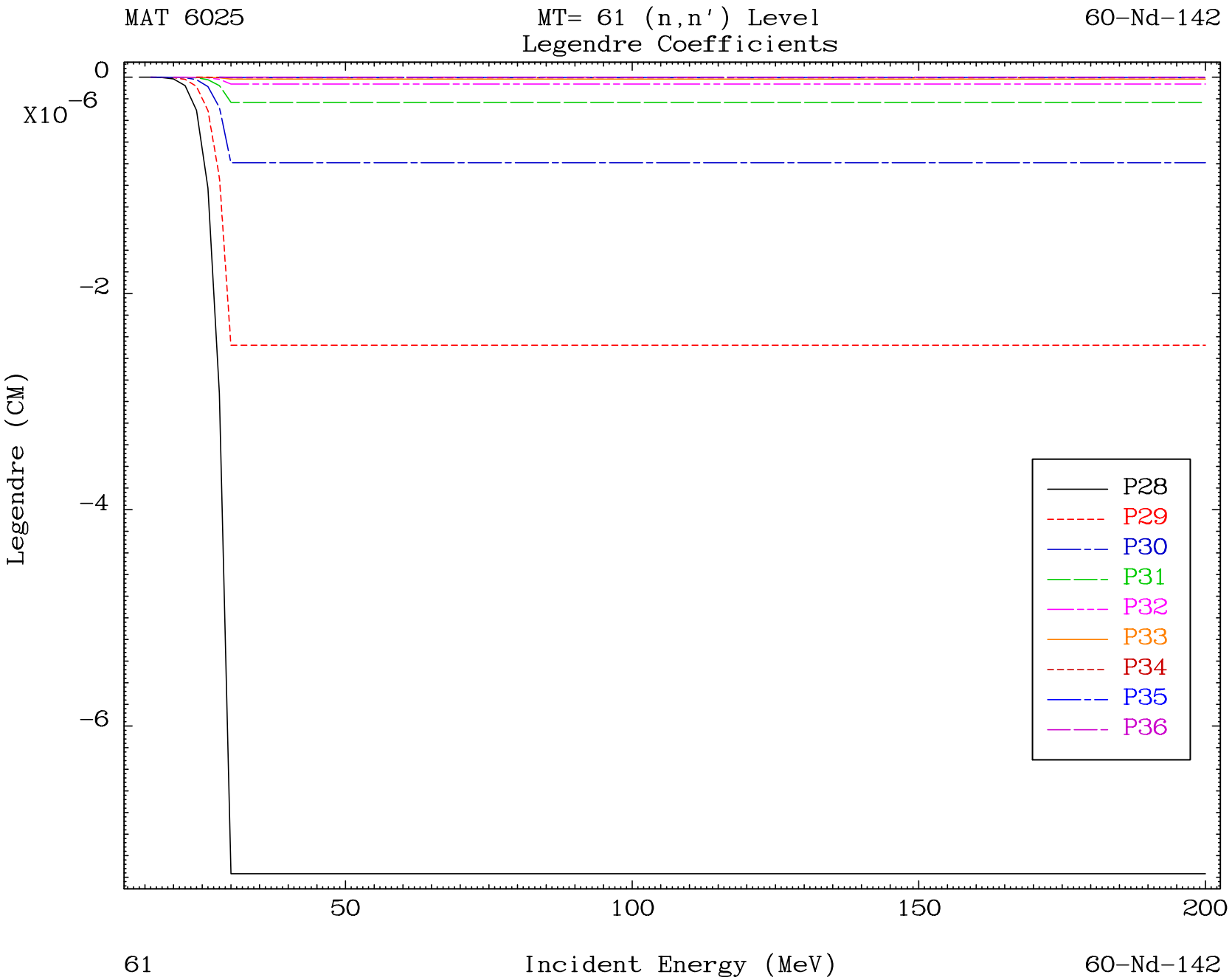

MAT 6025
MT= 60 (n,n') Level
Legendre Coefficients
60-Nd-142
X10-3
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
56
60-Nd-142
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

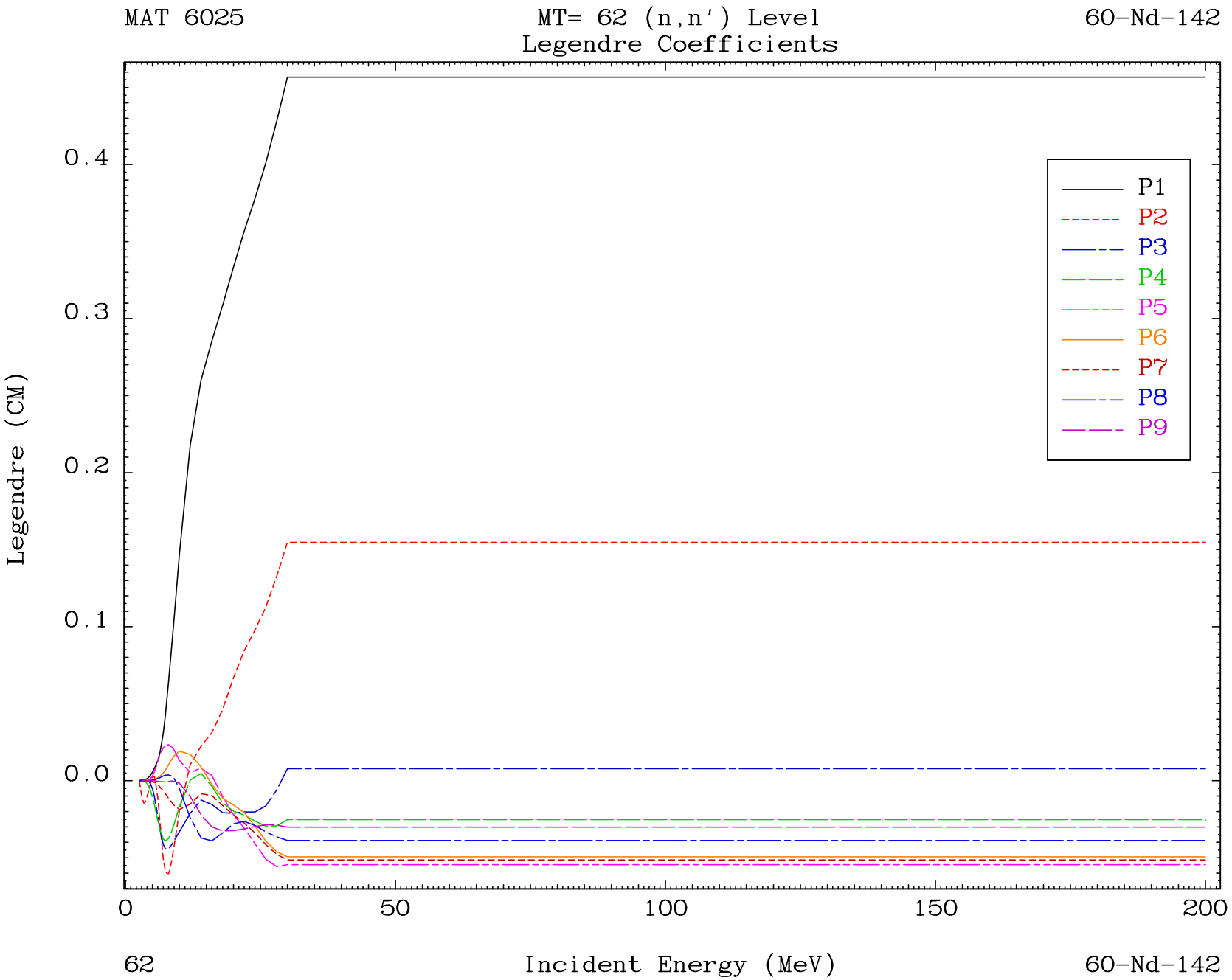

MAT 6025
MT= 60 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
60-Nd-142
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

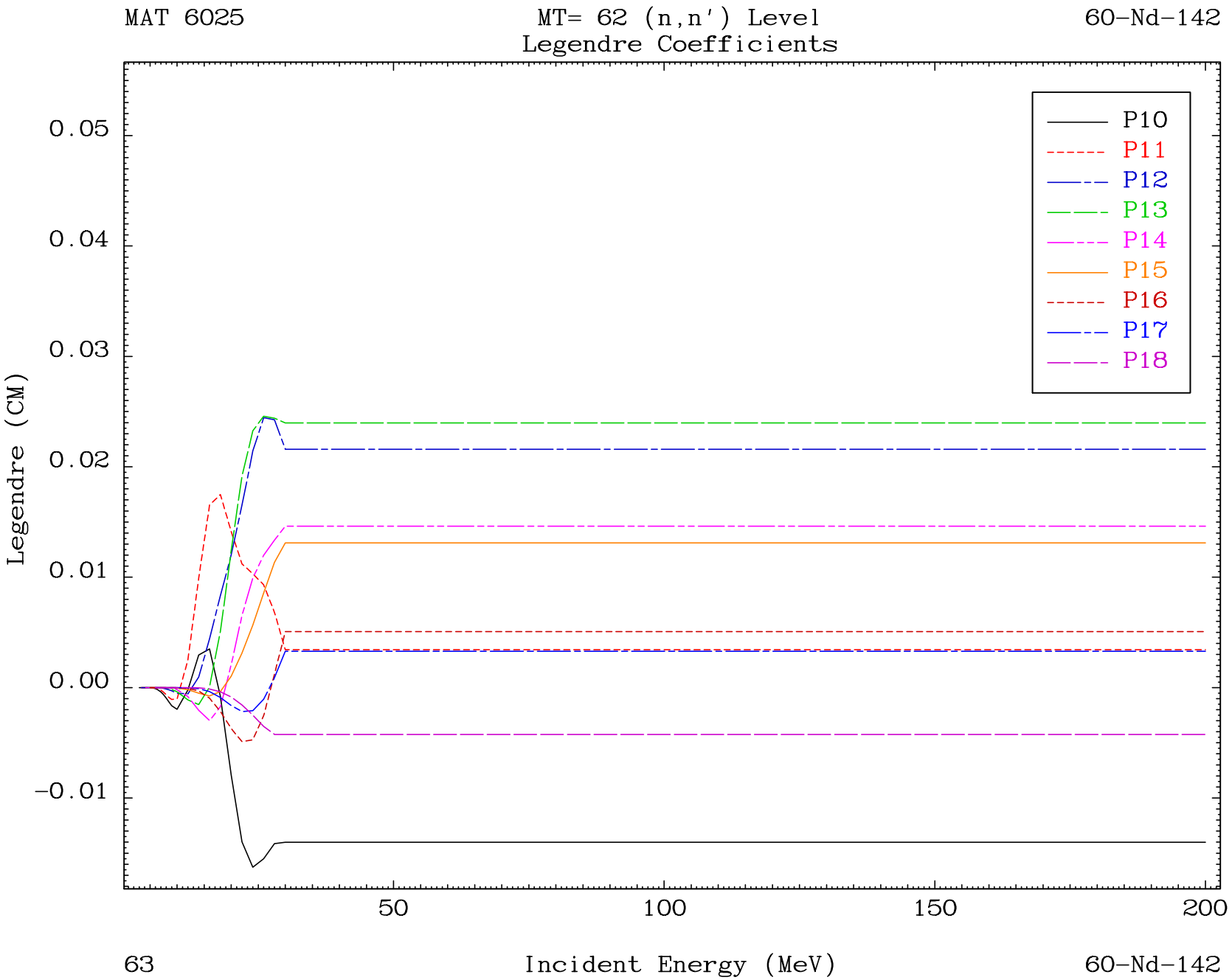

MAT 6025
MT= 61 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
Incident Energy (MeV)
58
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

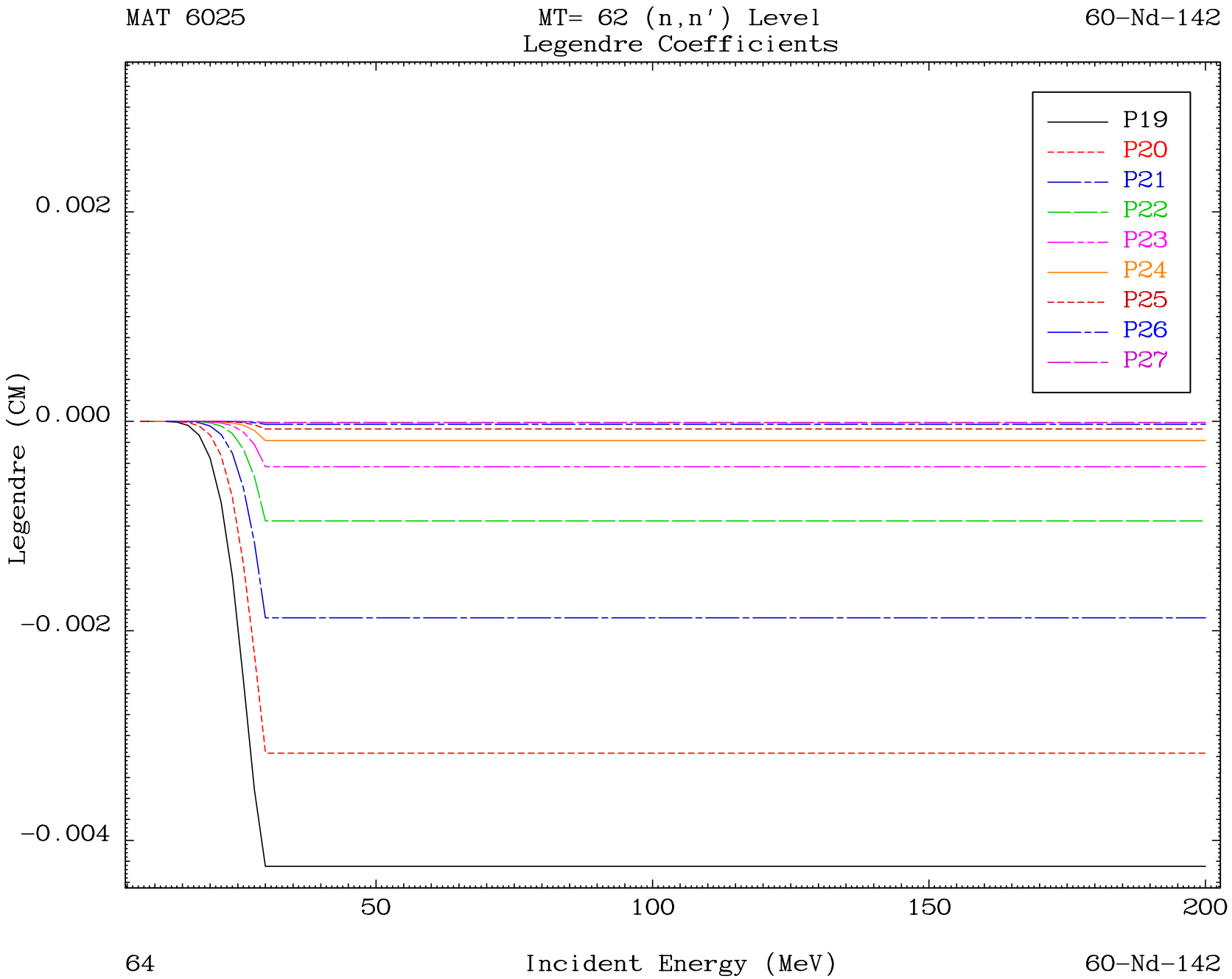

MAT 6025
MT= 61 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
59
Incident Energy (MeV)
60-Nd-142

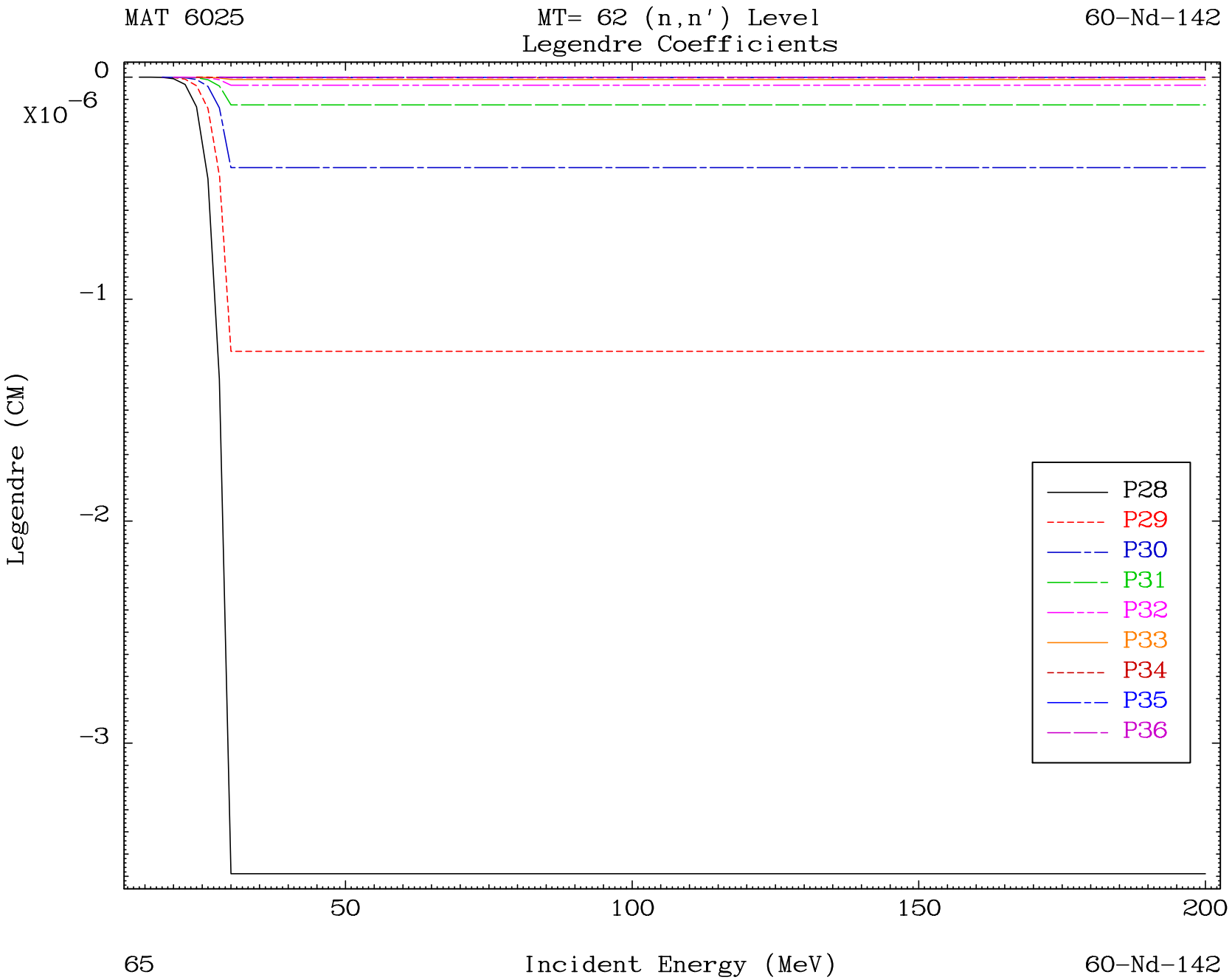

MAT 6025
MT= 61 (n,n') Level
Legendre Coefficients
60-Nd-142
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

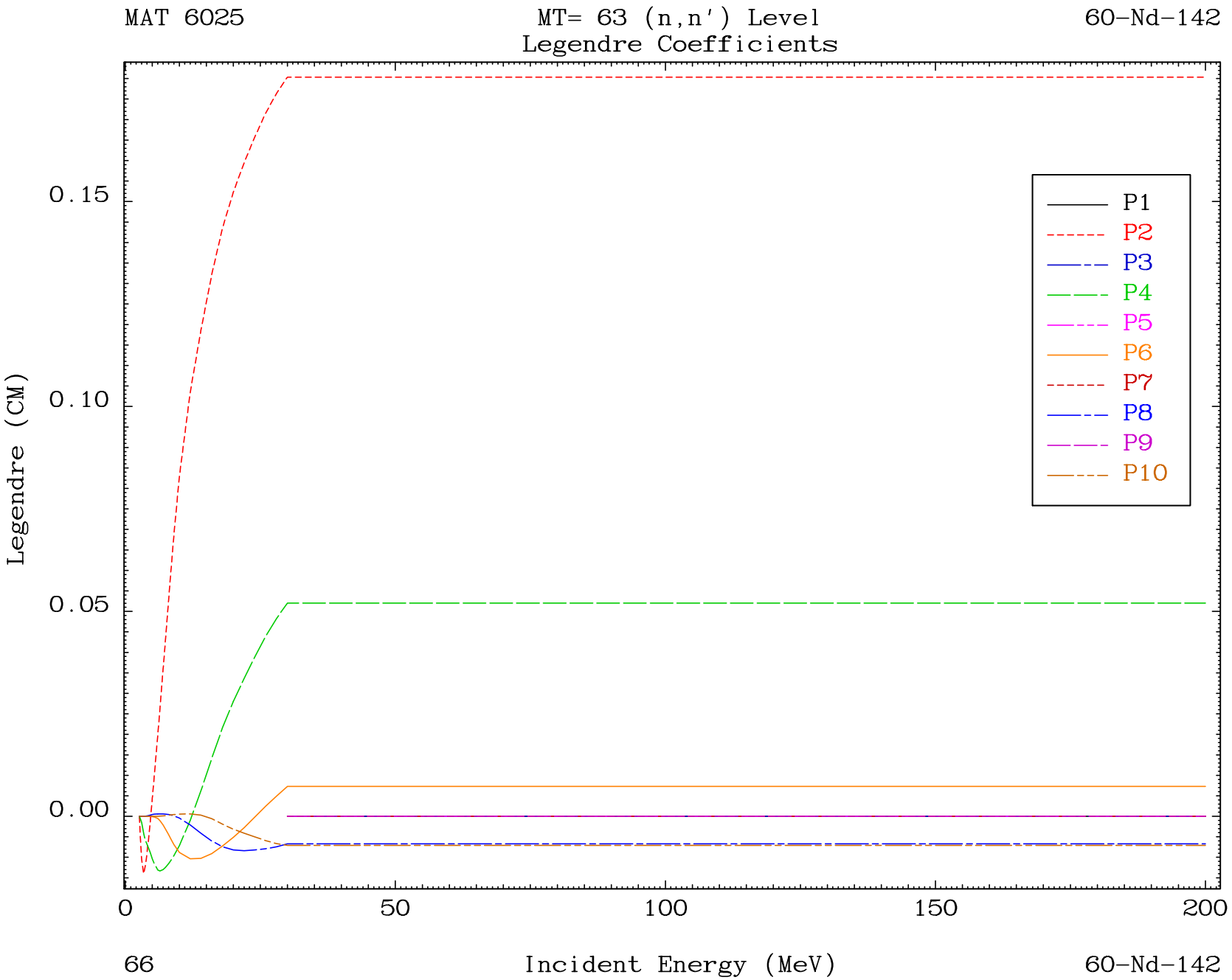

MAT 6025
MT= 61 (n,n') Level
Legendre Coefficients
60-Nd-142
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

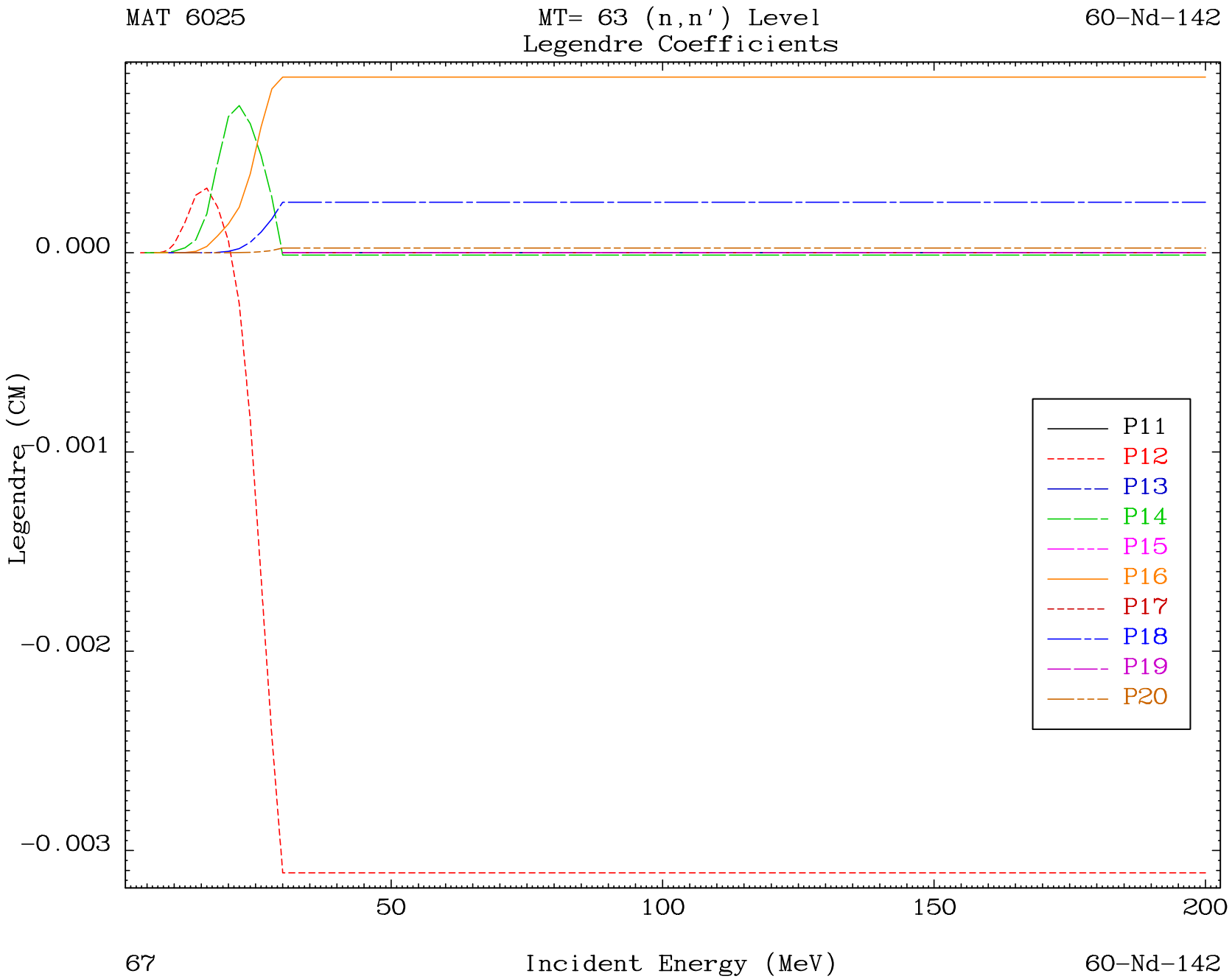

MAT 6025
MT= 62 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
62
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

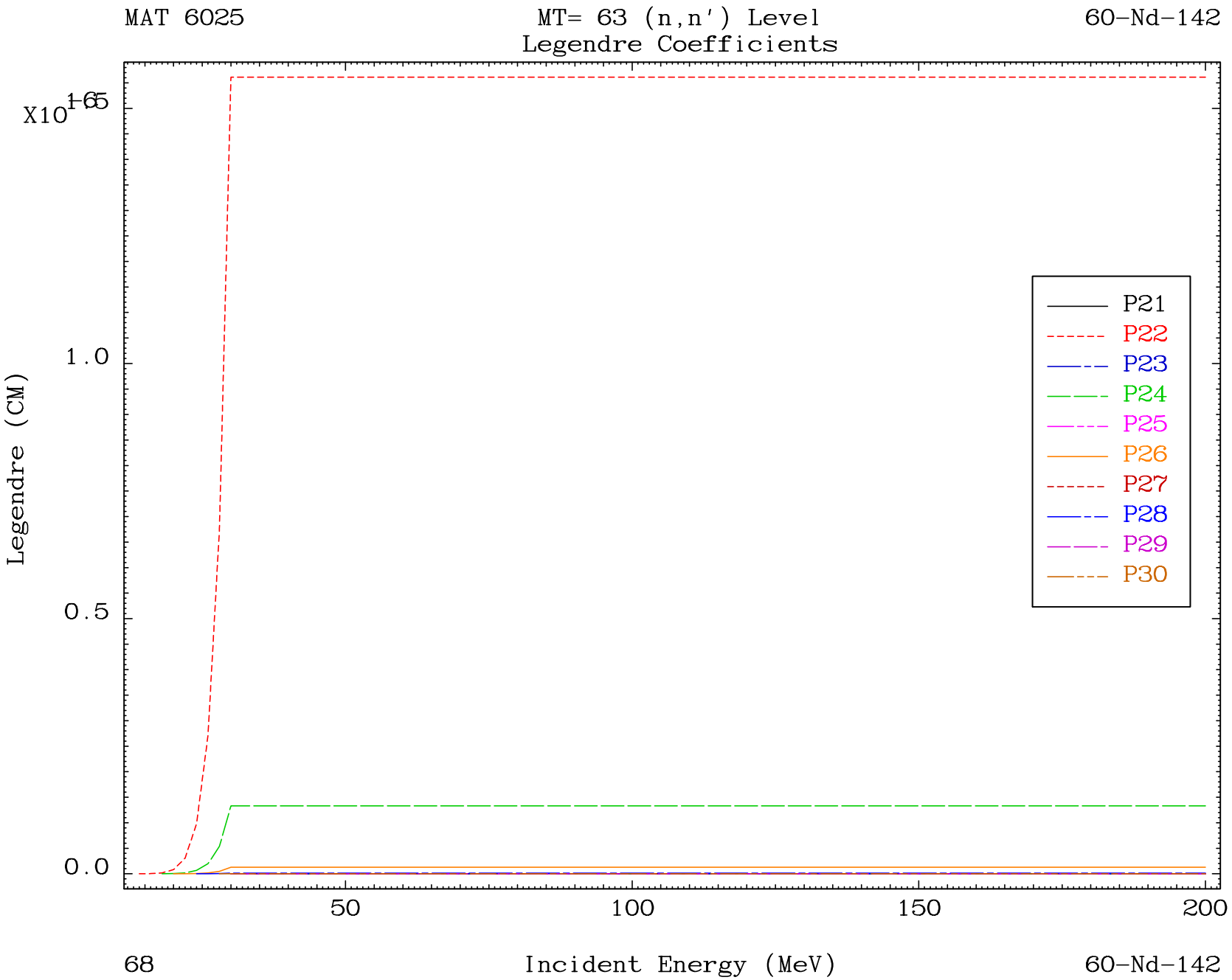

MAT 6025
MT= 62 (n,n') Level
Legendre Coefficients
60-Nd-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
60-Nd-142

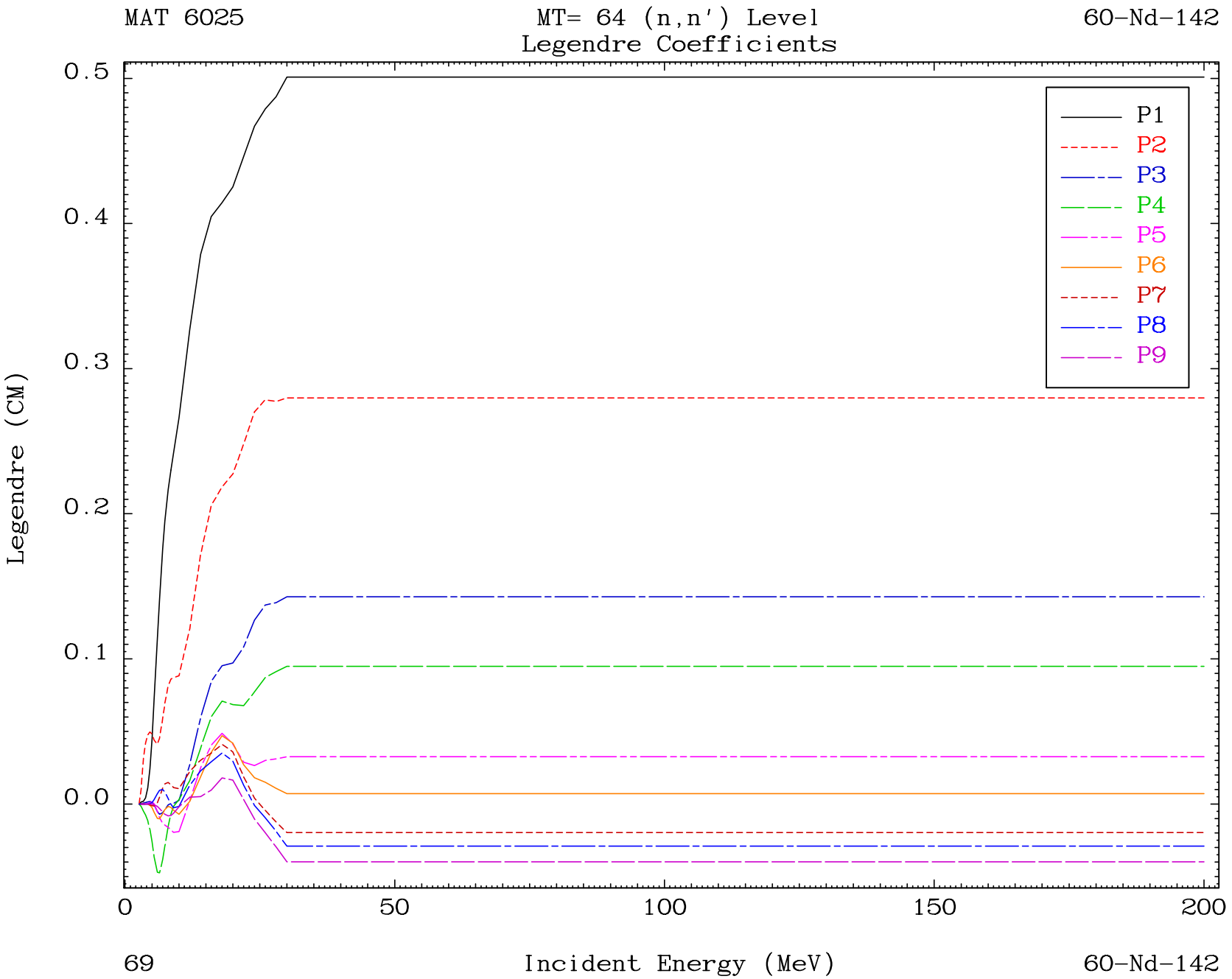

MAT 6025
MT= 62 (n,n') Level
Legendre Coefficients
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
60-Nd-142

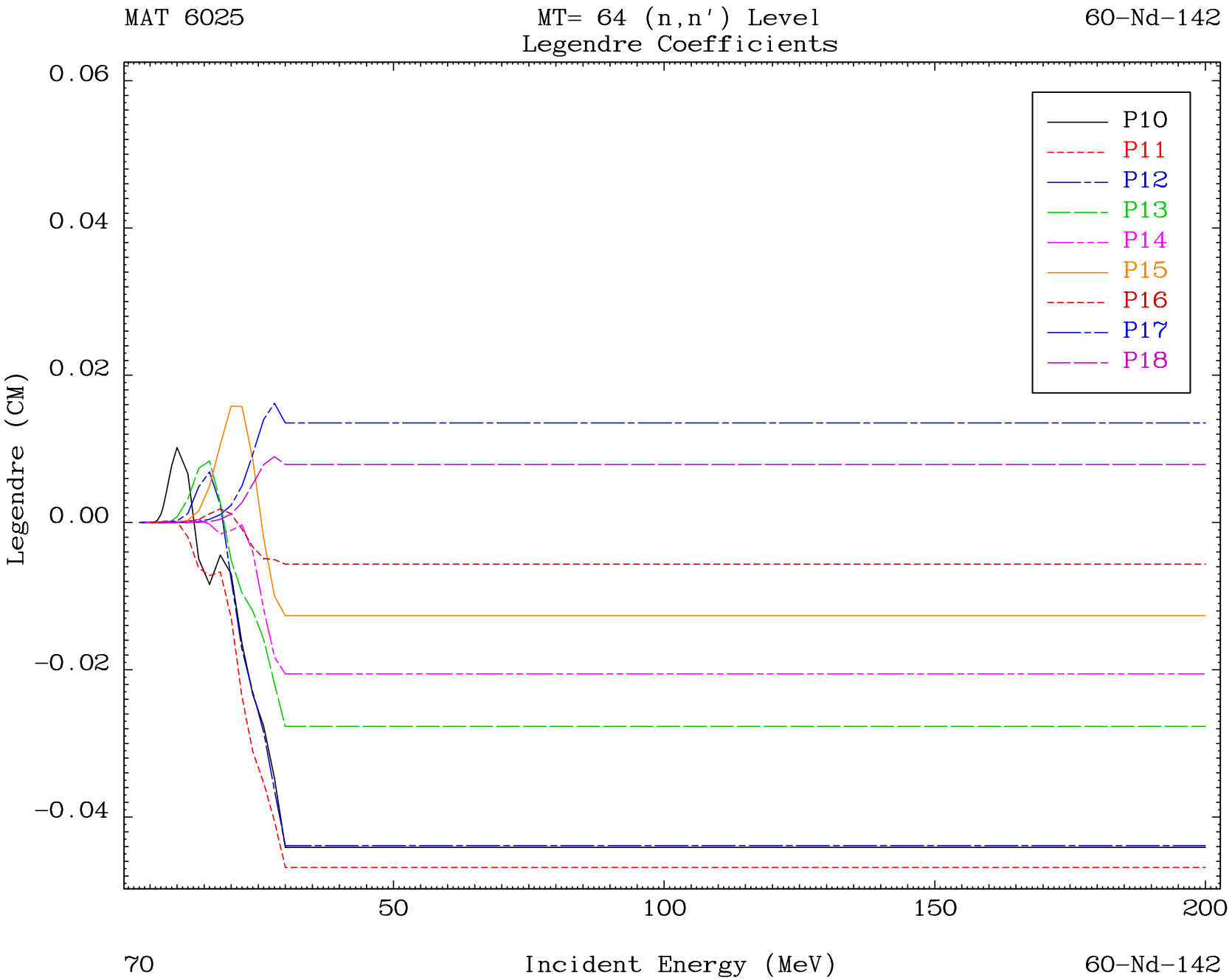

MAT 6025
MT= 62 (n,n') Level
Legendre Coefficients
60-Nd-142
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
60-Nd-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

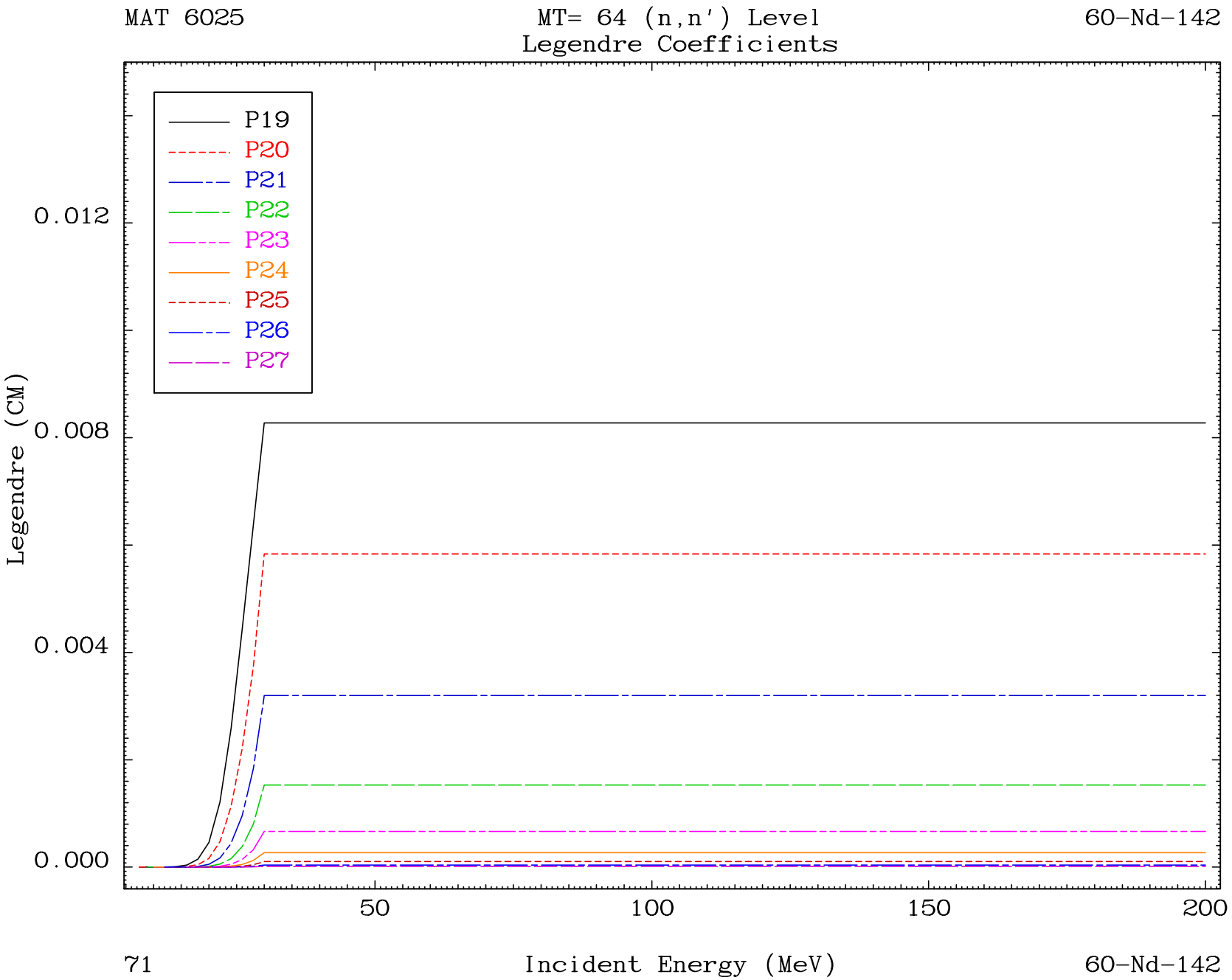

MAT 6025
MT= 63 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
66
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

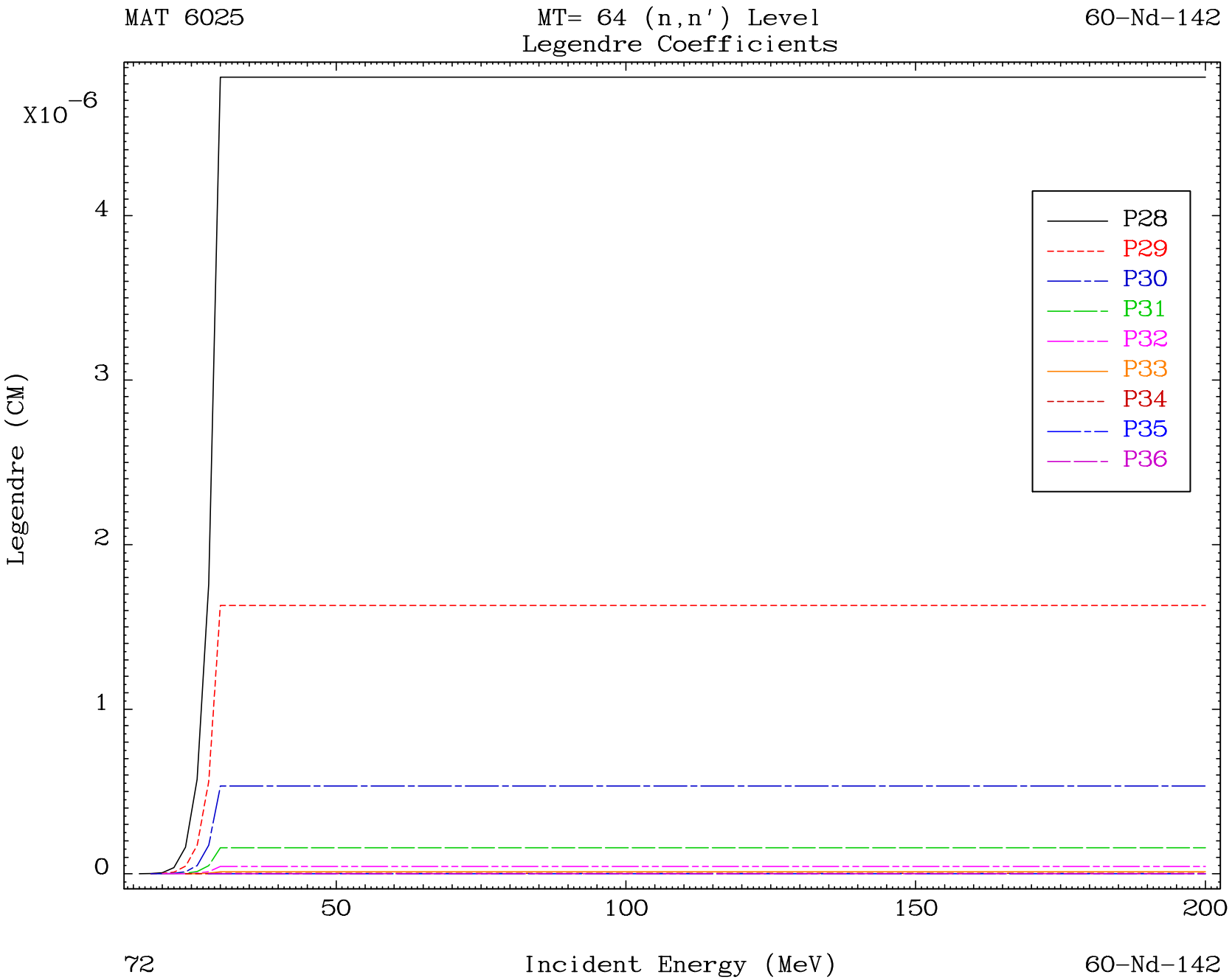

MAT 6025
MT= 63 (n,n') Level
Legendre Coefficients
60-Nd-142
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
60-Nd-142
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

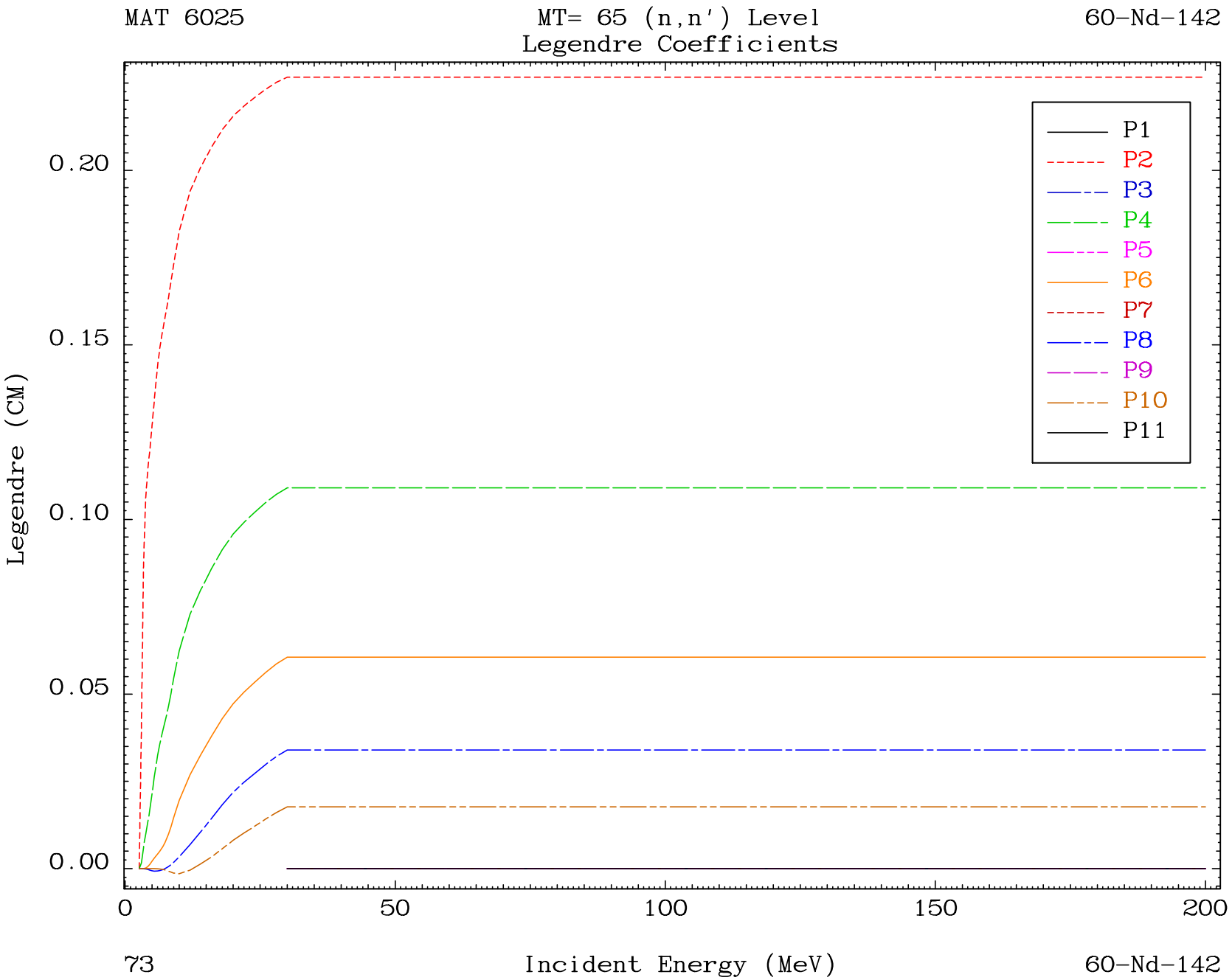

MAT 6025
MT= 63 (n,n') Level
Legendre Coefficients
60-Nd-142
X10-05
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
60-Nd-142
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

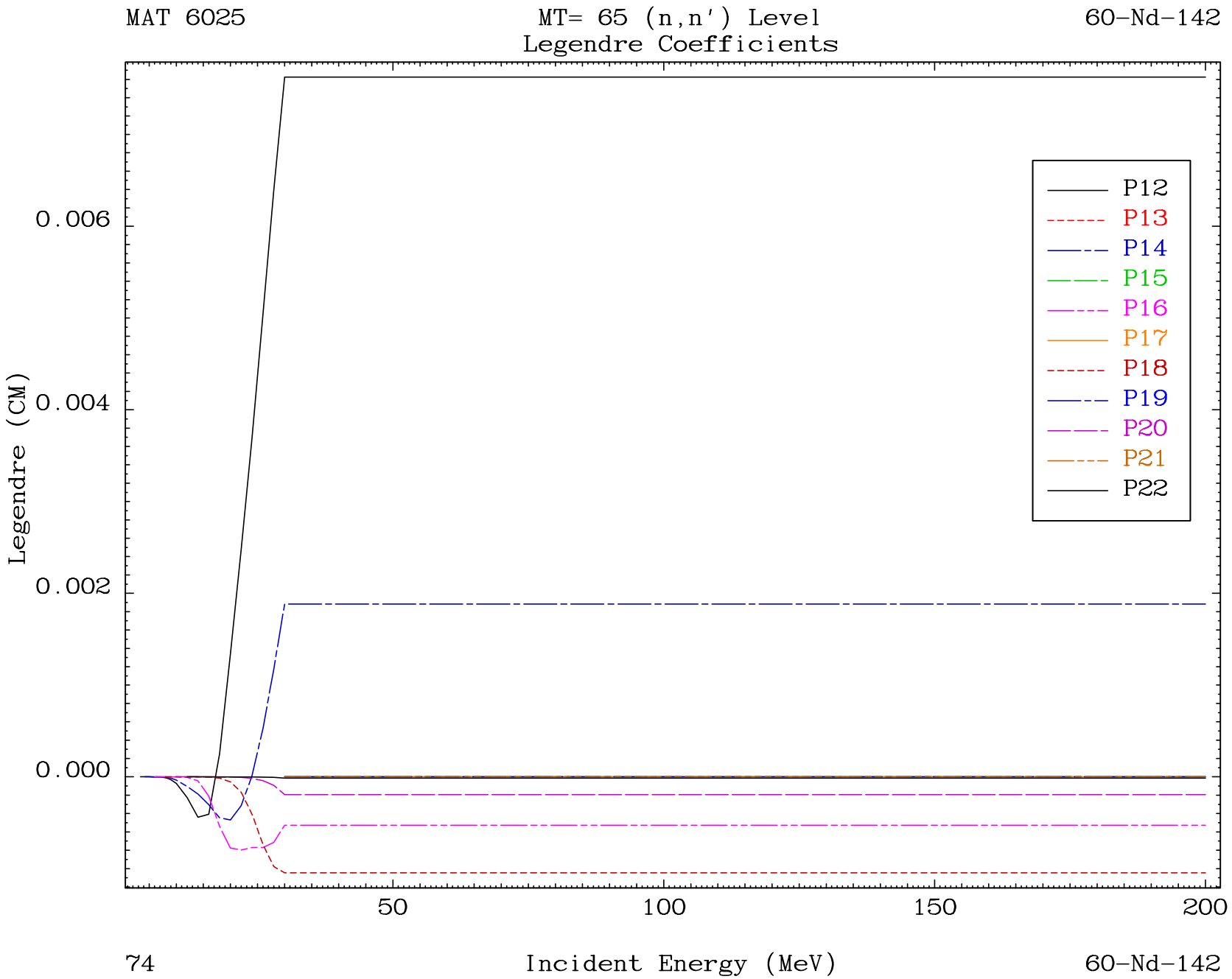

MAT 6025
MT= 64 (n,n') Level
Legendre Coefficients
60-Nd-142
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
69
Incident Energy (MeV)
60-Nd-142

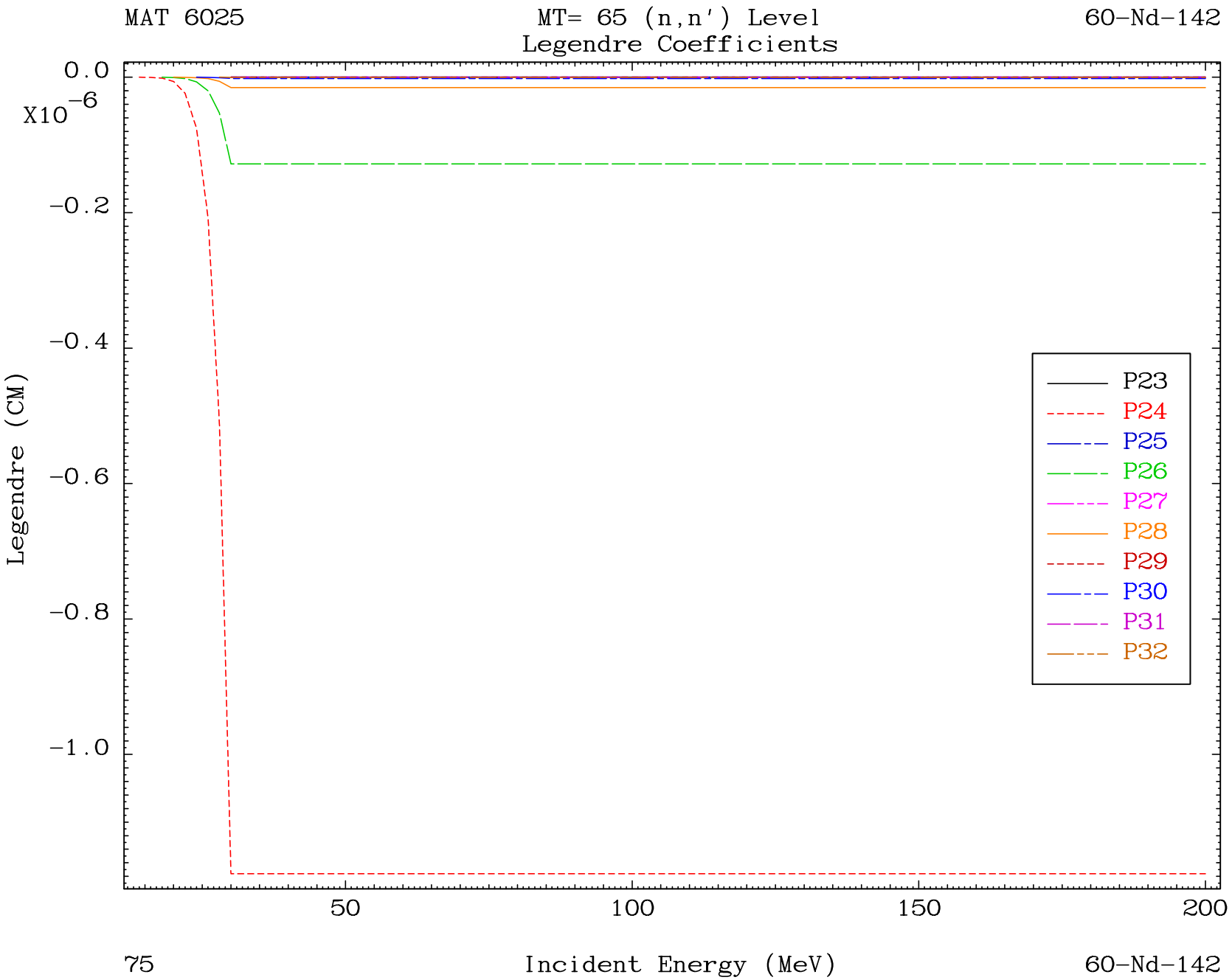

MAT 6025
MT= 64 (n,n') Level
Legendre Coefficients
60-Nd-142
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
70
Incident Energy (MeV)
60-Nd-142

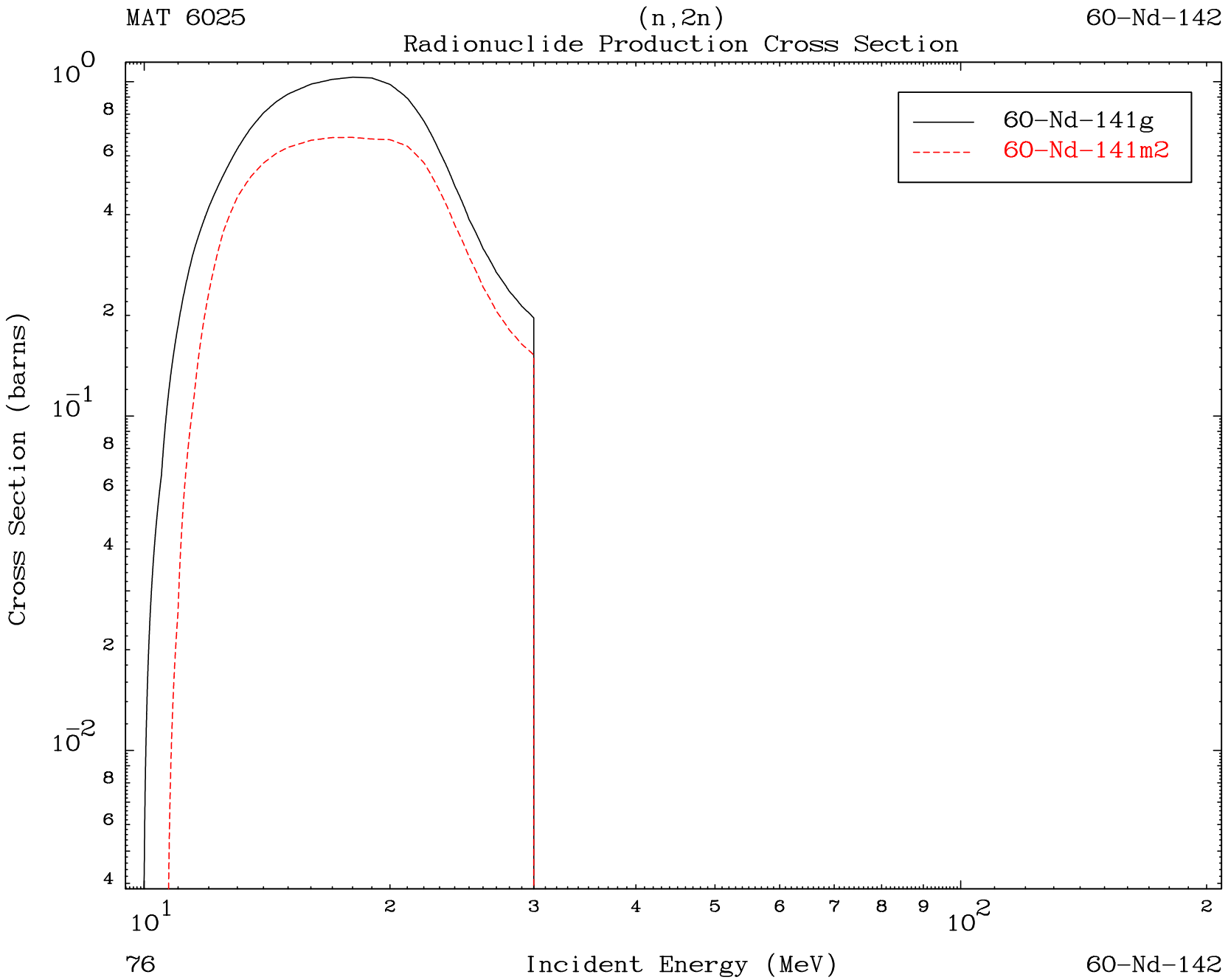

MAT 6025
MT= 64 (n,n') Level
Legendre Coefficients
60-Nd-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.008
0.004
0.000
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
60-Nd-142

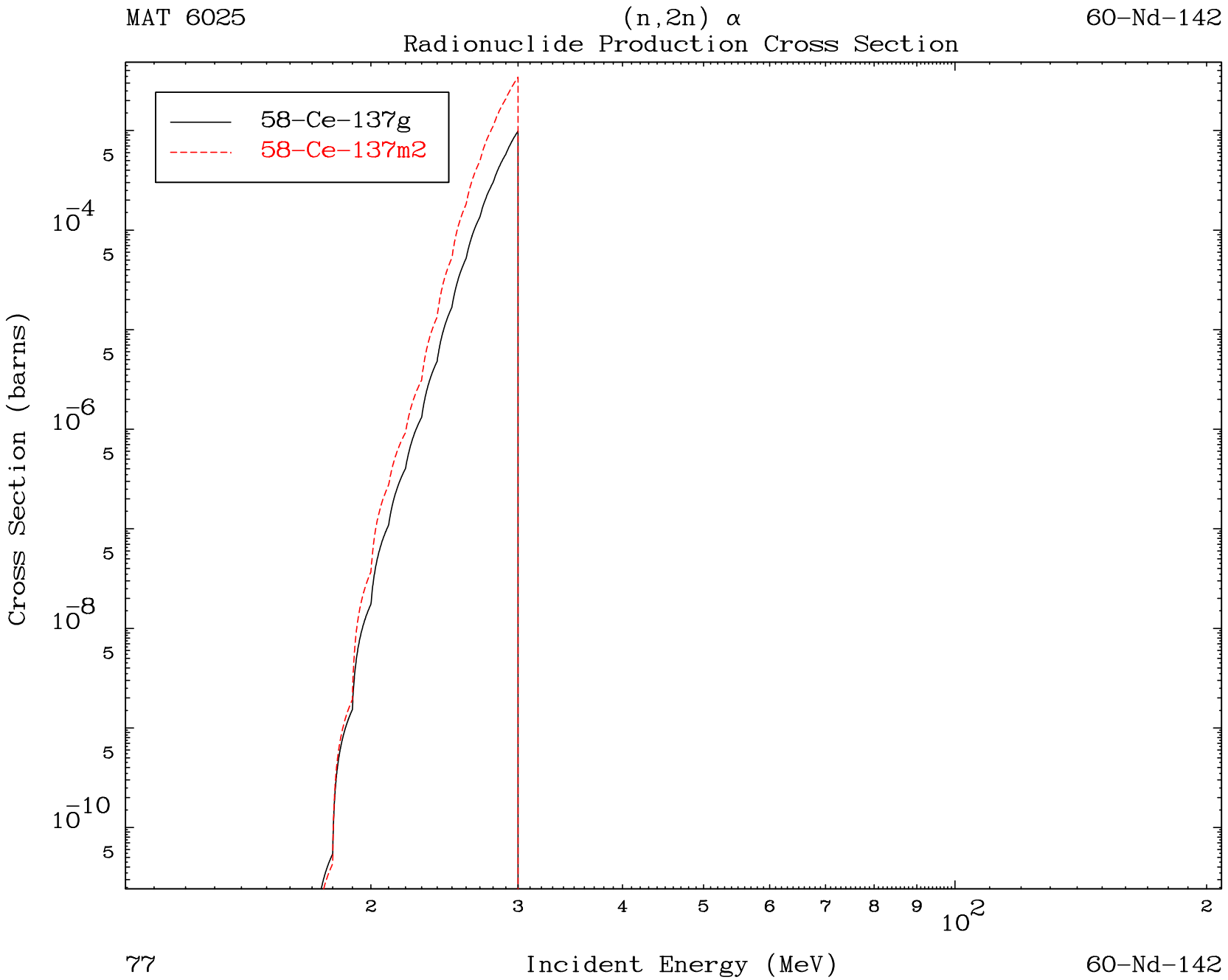

MAT 6025
MT= 64 (n,n') Level
Legendre Coefficients
60-Nd-142
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
72
Incident Energy (MeV)
60-Nd-142

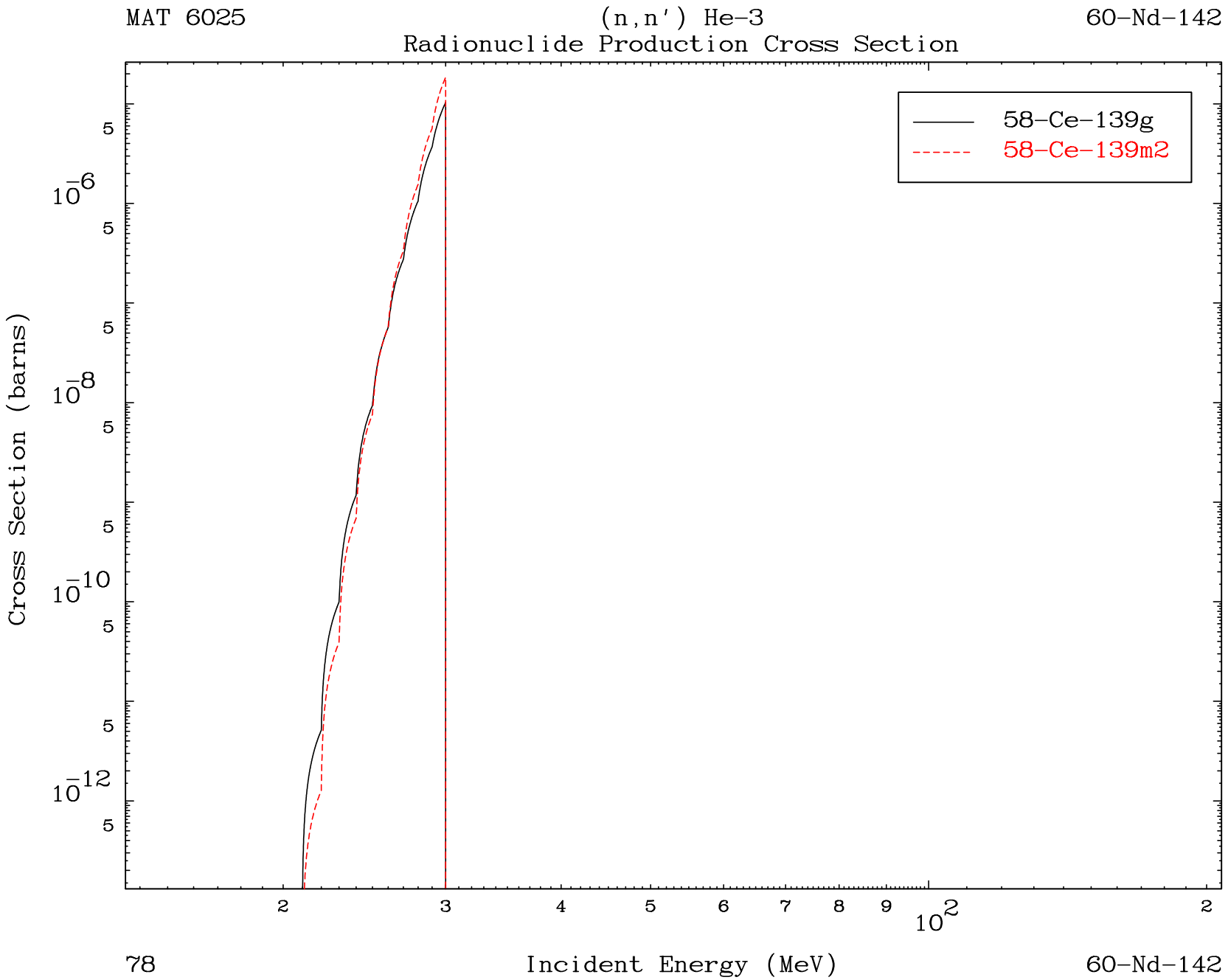

MAT 6025
MT= 65 (n,n') Level
Legendre Coefficients
60-Nd-142
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
73
Incident Energy (MeV)
60-Nd-142
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

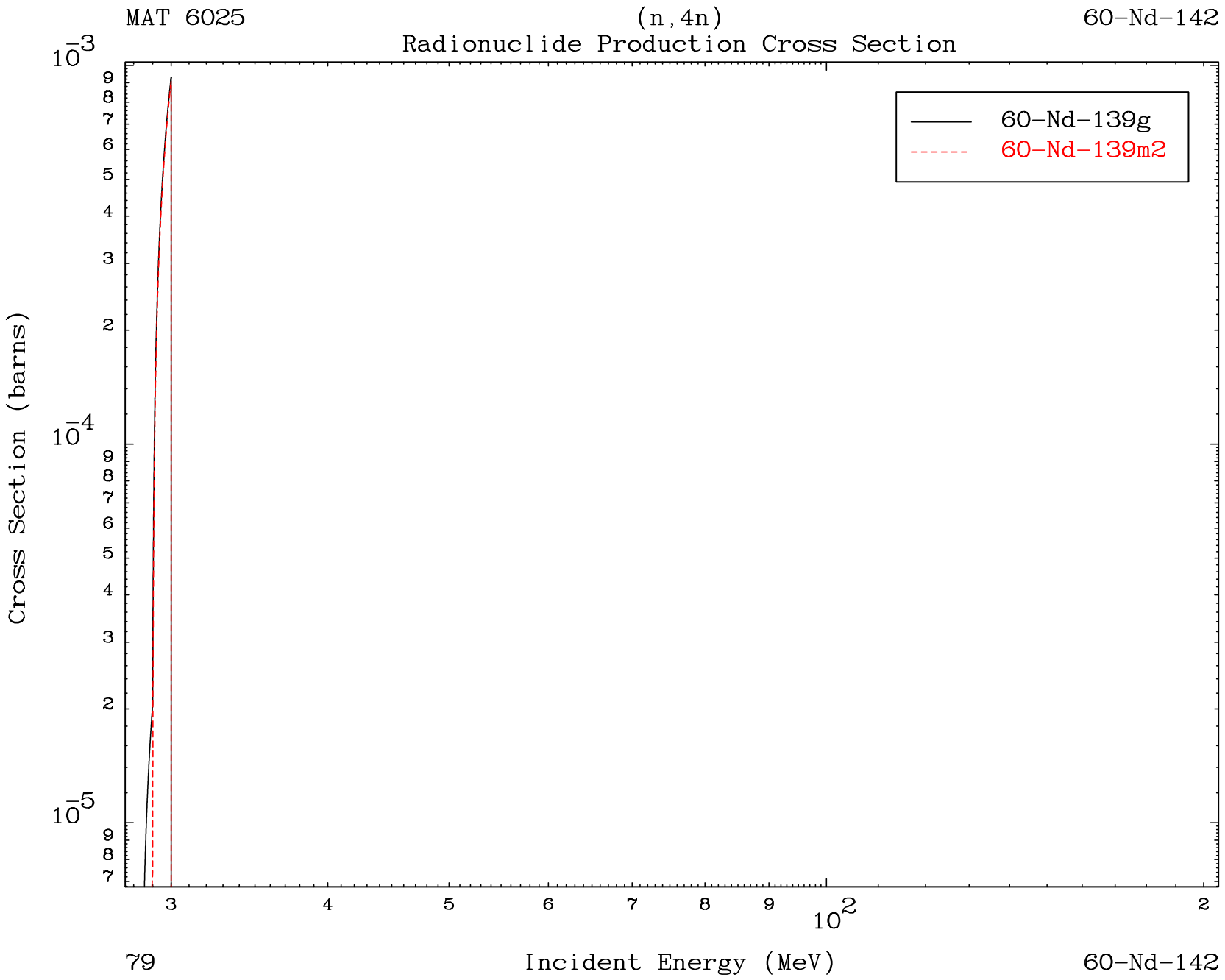

MAT 6025
MT= 65 (n,n') Level
Legendre Coefficients
60-Nd-142
0.006
0.004
0.002
0.000
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
74
Incident Energy (MeV)
60-Nd-142

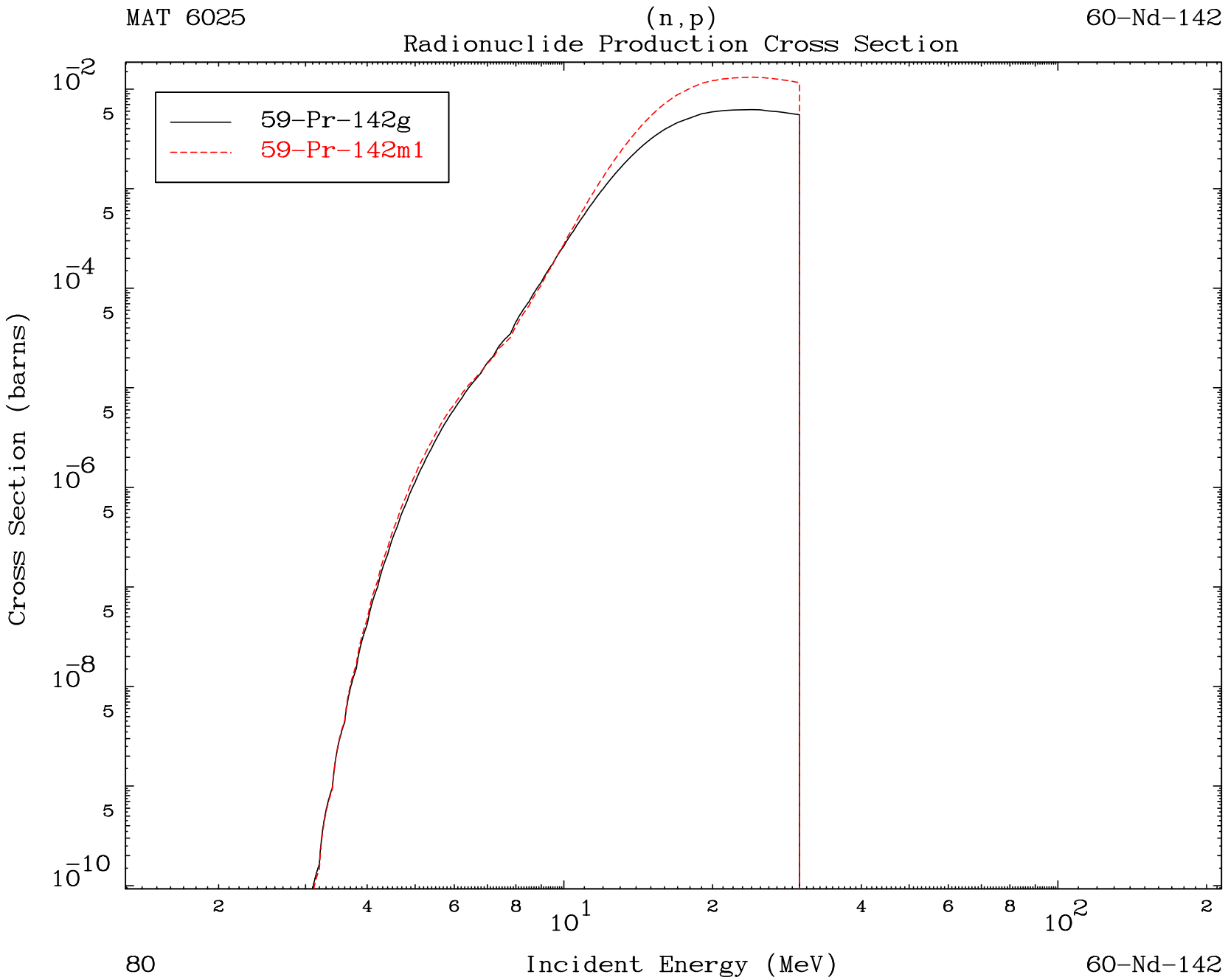

MAT 6025
MT= 65 (n,n') Level
Legendre Coefficients
60-Nd-142
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
75
Incident Energy (MeV)
60-Nd-142

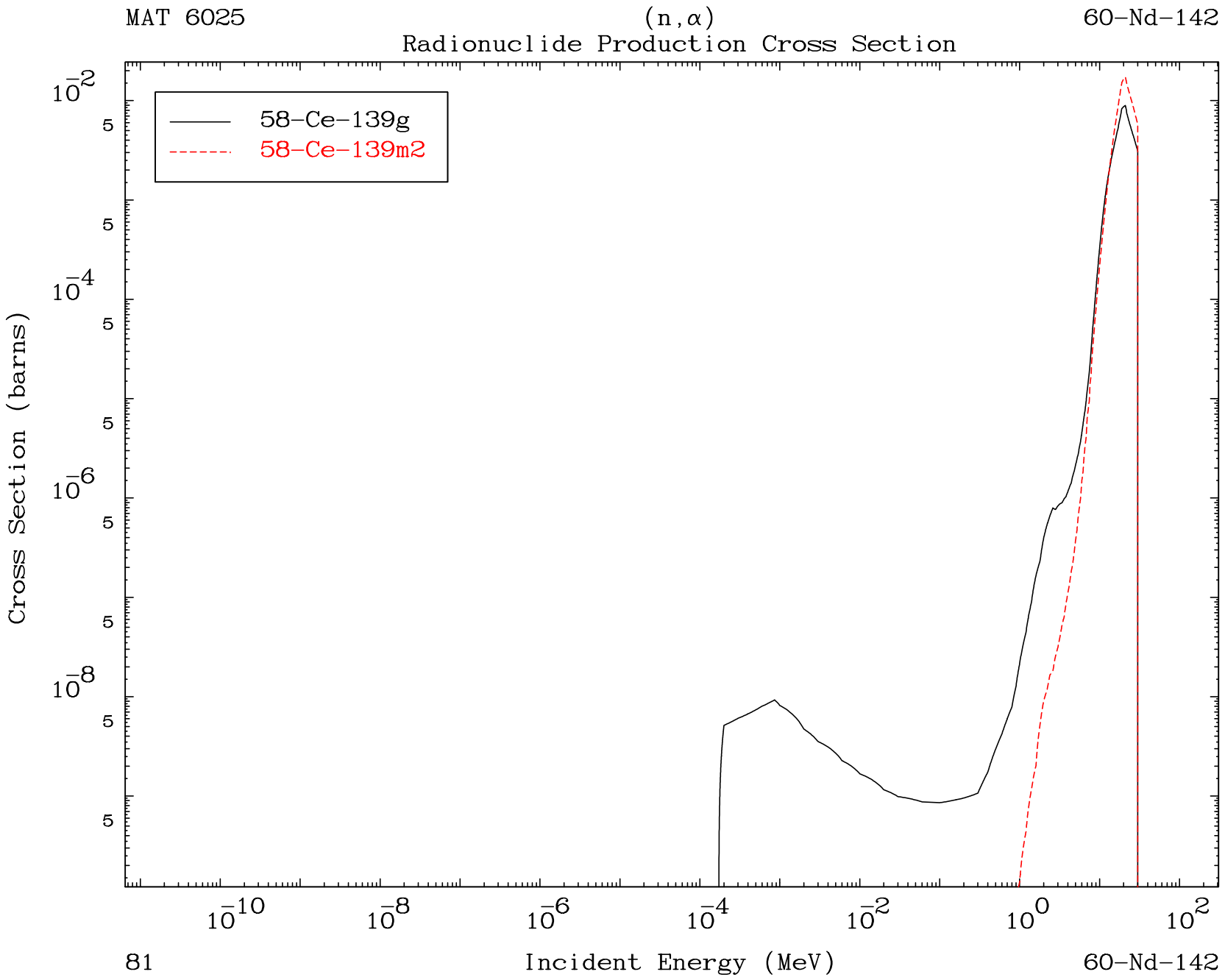

MAT 6025
(n,2n)
60-Nd-142
Radionuclide Production Cross Section
60-Nd-141g
60-Nd-141m2
Cross Section (barns)
Incident Energy (MeV)
76
60-Nd-142

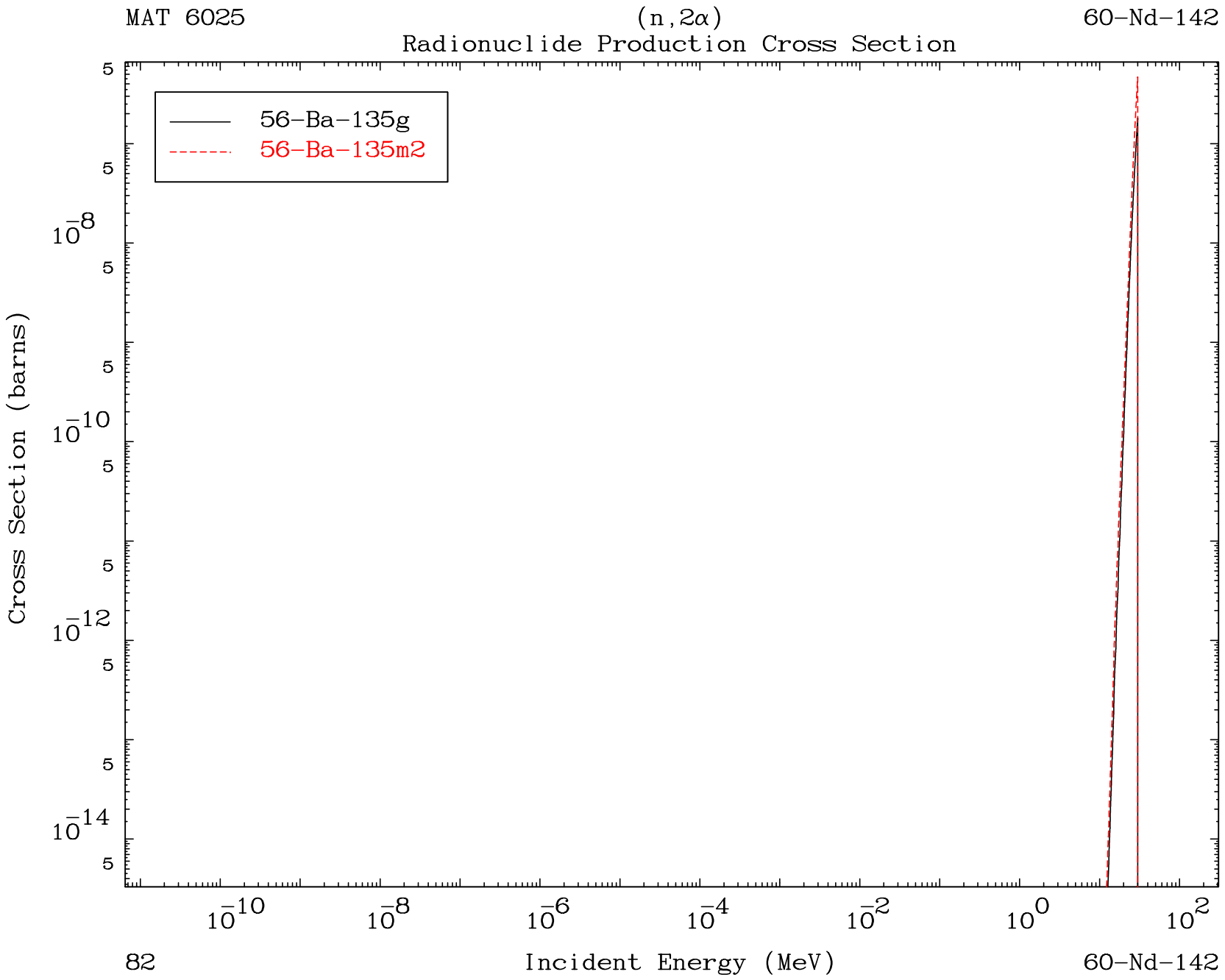

MAT 6025
(n,2n) α
60-Nd-142
Radionuclide Production Cross Section
58-Ce-137g
58-Ce-137m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
77
Incident Energy (MeV)
60-Nd-142

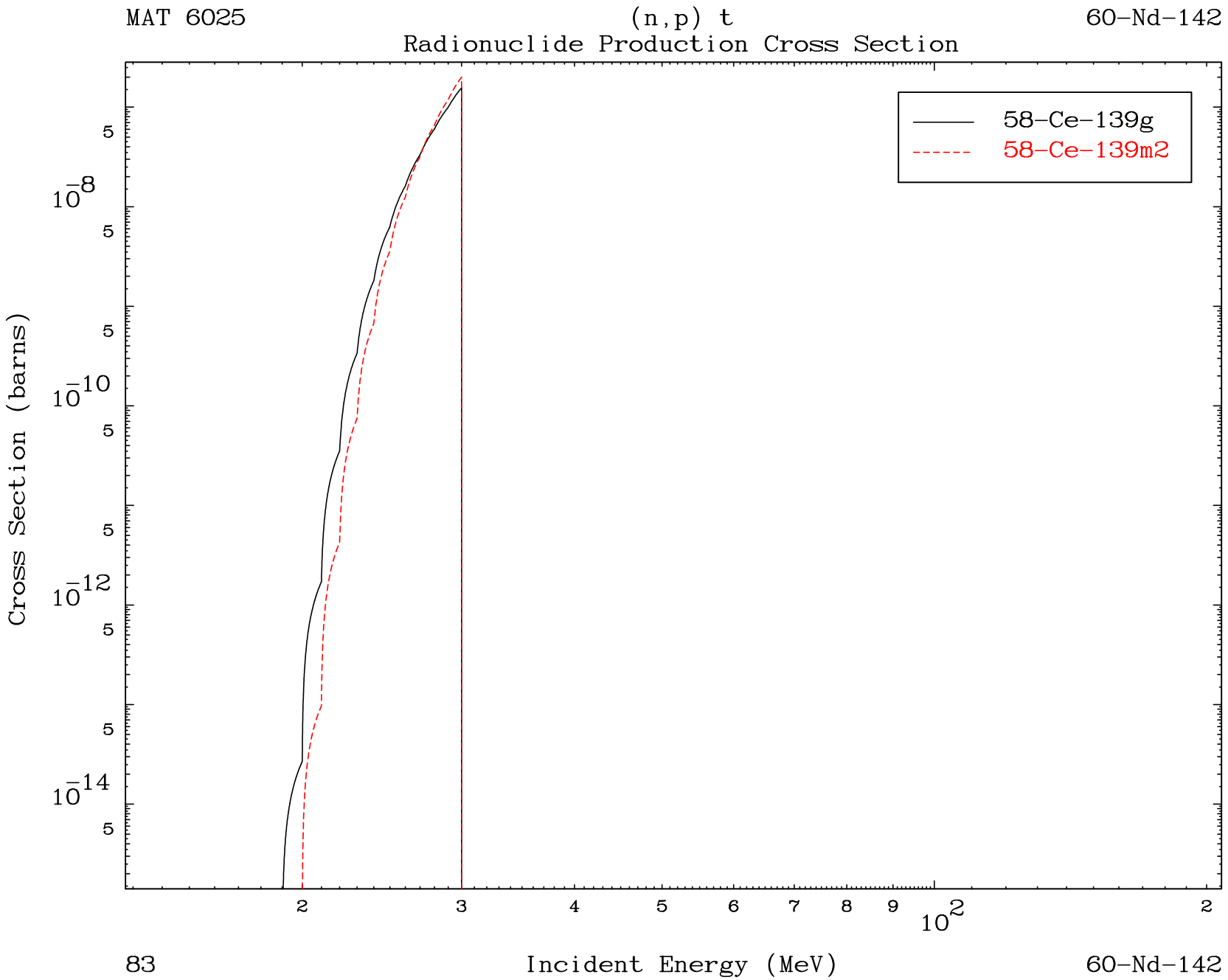

MAT 6025
(n,n') He-3
60-Nd-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
78
Incident Energy (MeV)
60-Nd-142


MAT 6025
(n,4n)
60-Nd-142
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
Incident Energy (MeV)
79
60-Nd-142


MAT 6025
(n,p)
60-Nd-142
Radionuclide Production Cross Section
59-Pr-142g
59-Pr-142m1
Cross Section (barns)
Incident Energy (MeV)
80
60-Nd-142


MAT 6025
(n,α)
60-Nd-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
81
60-Nd-142


MAT 6025
(n,2α)
60-Nd-142
Radionuclide Production Cross Section
56-Ba-135g
56-Ba-135m2
Cross Section (barns)
Incident Energy (MeV)
82
60-Nd-142


MAT 6025
(n,p) t
60-Nd-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
83
Incident Energy (MeV)
60-Nd-142