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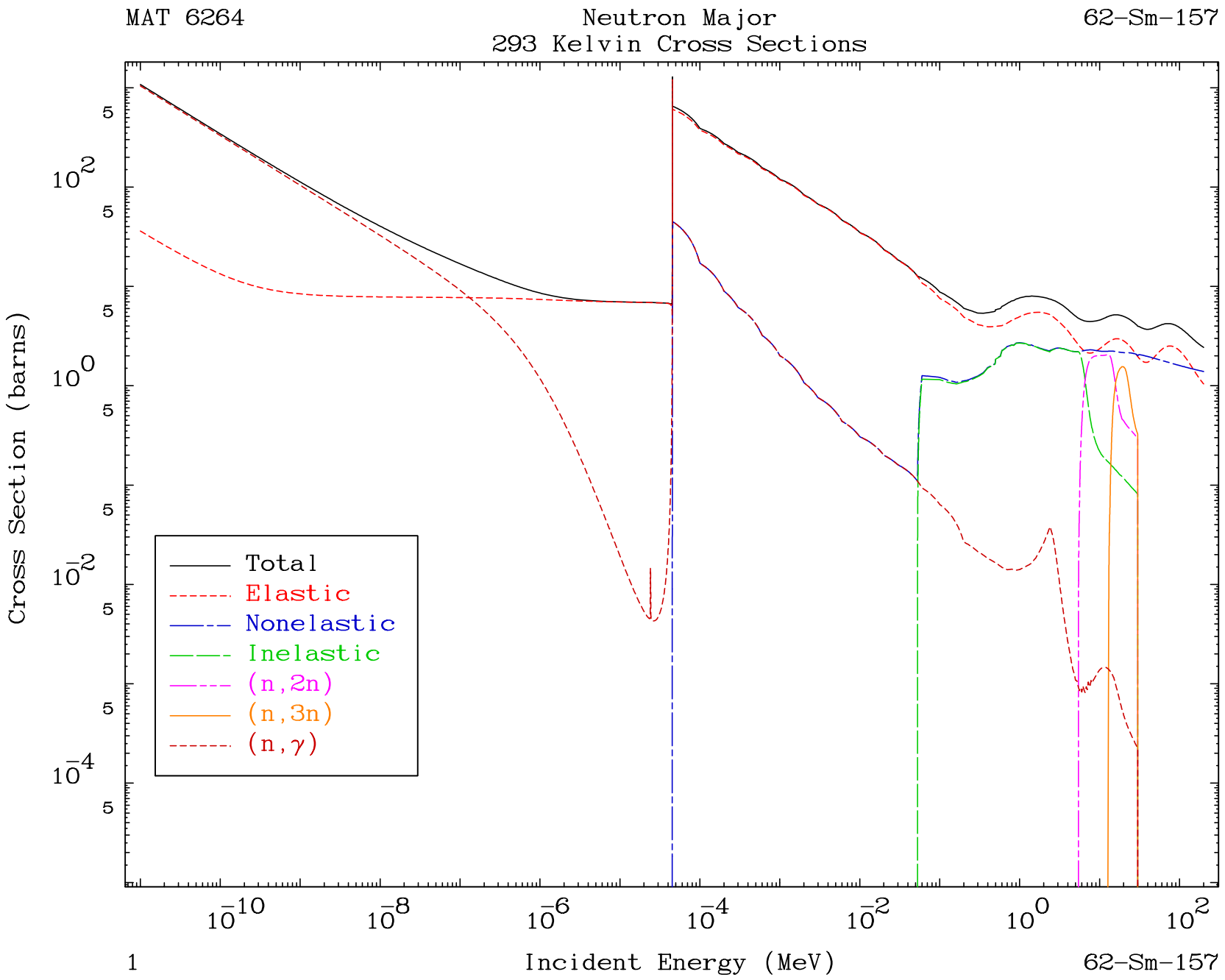
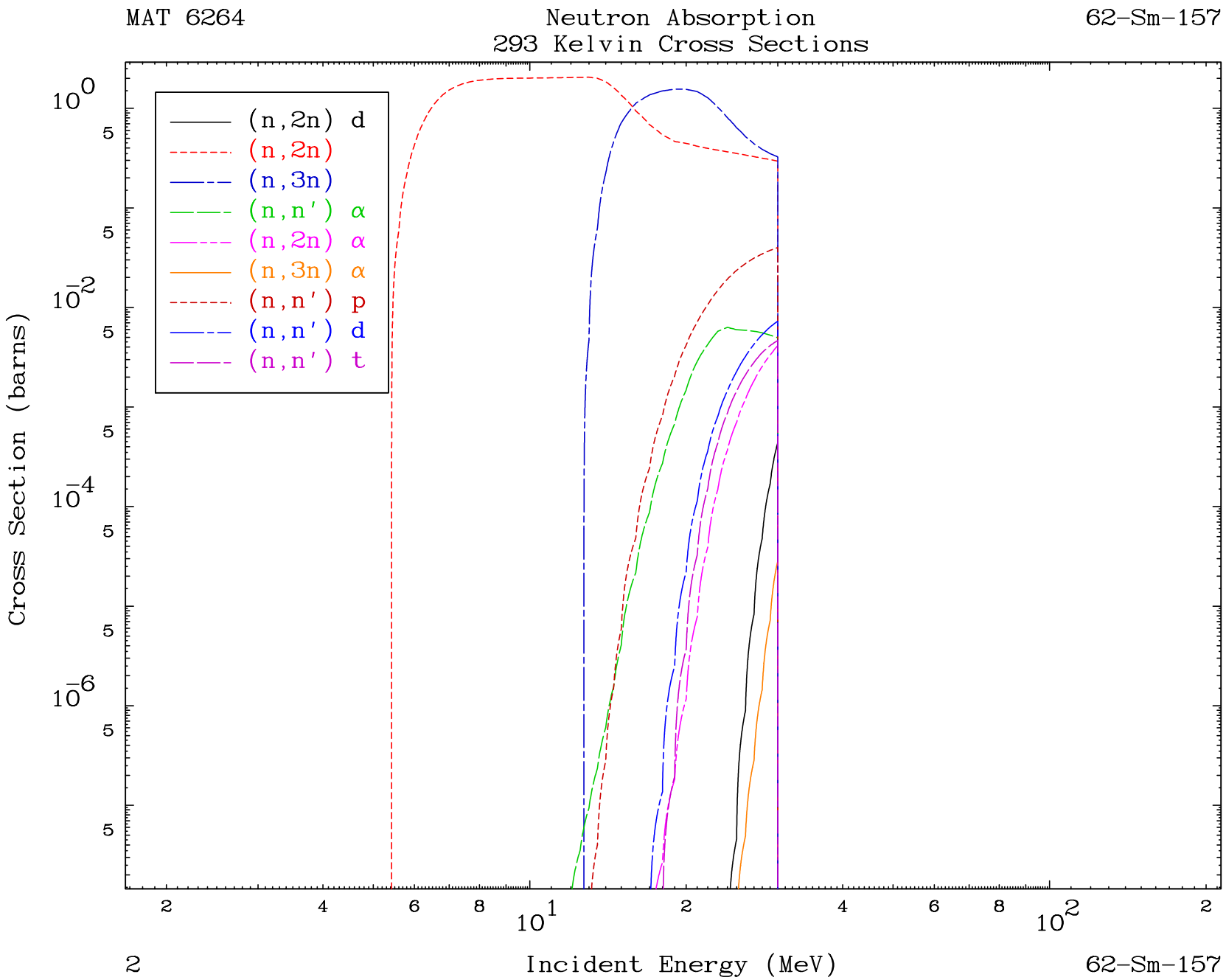
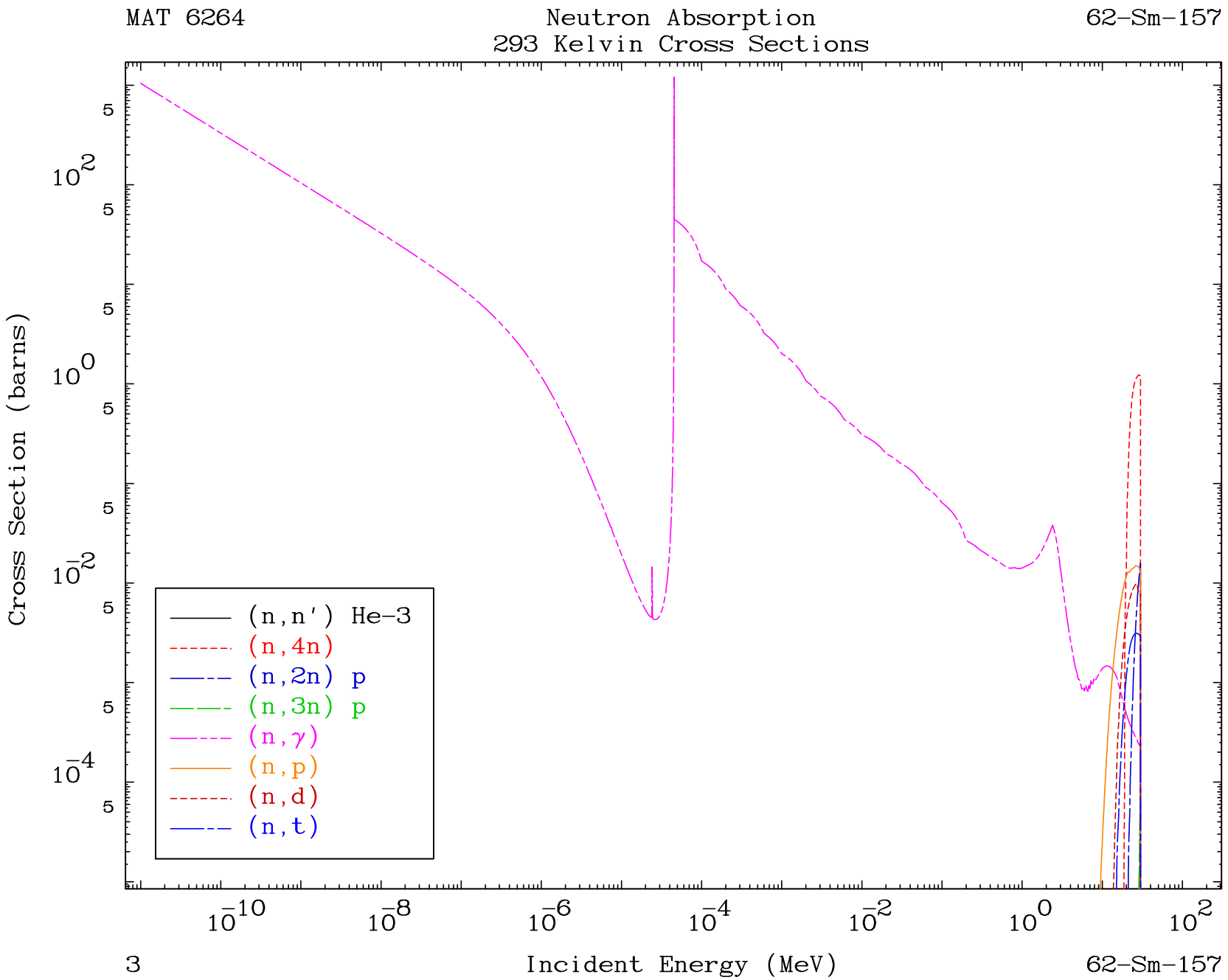
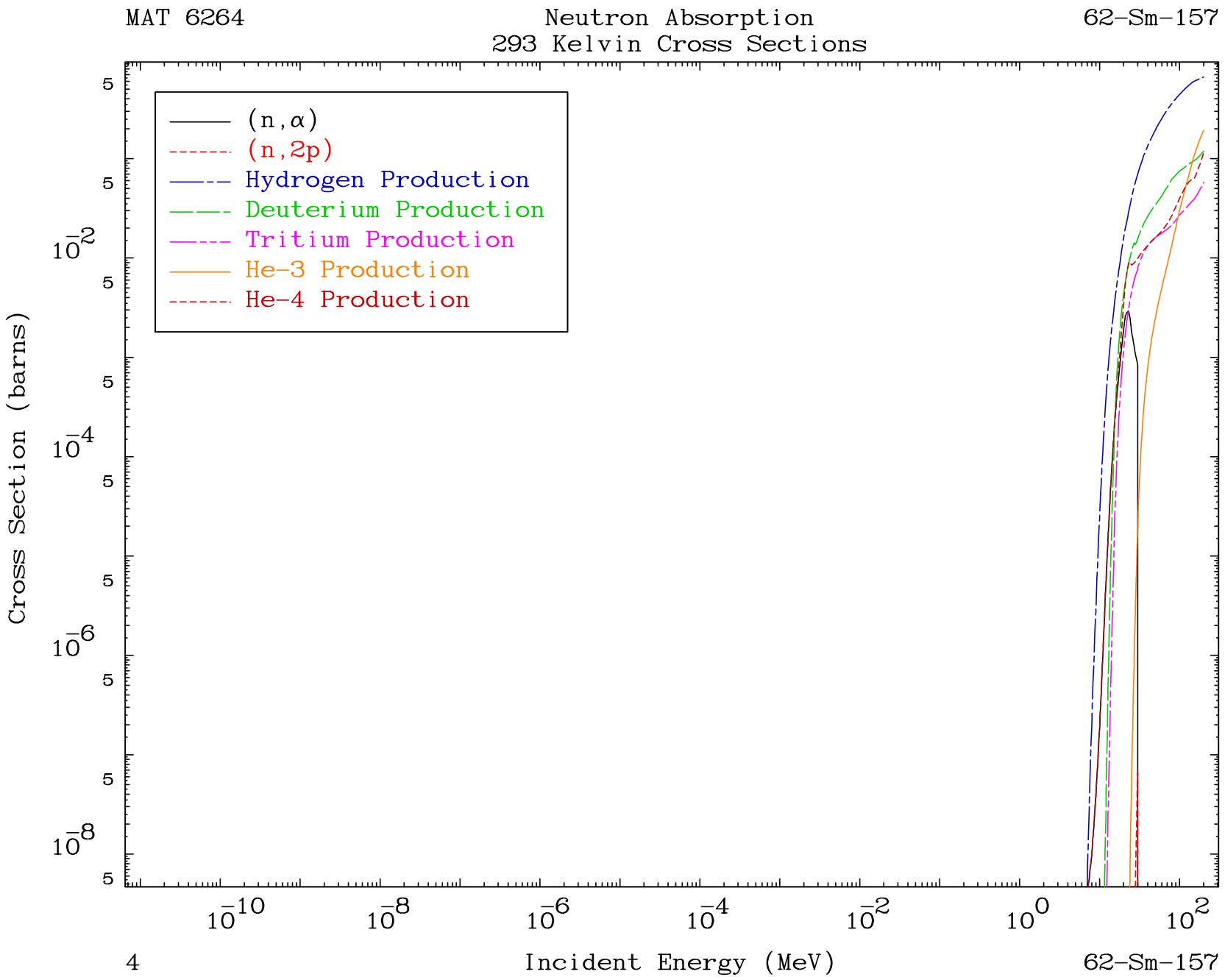
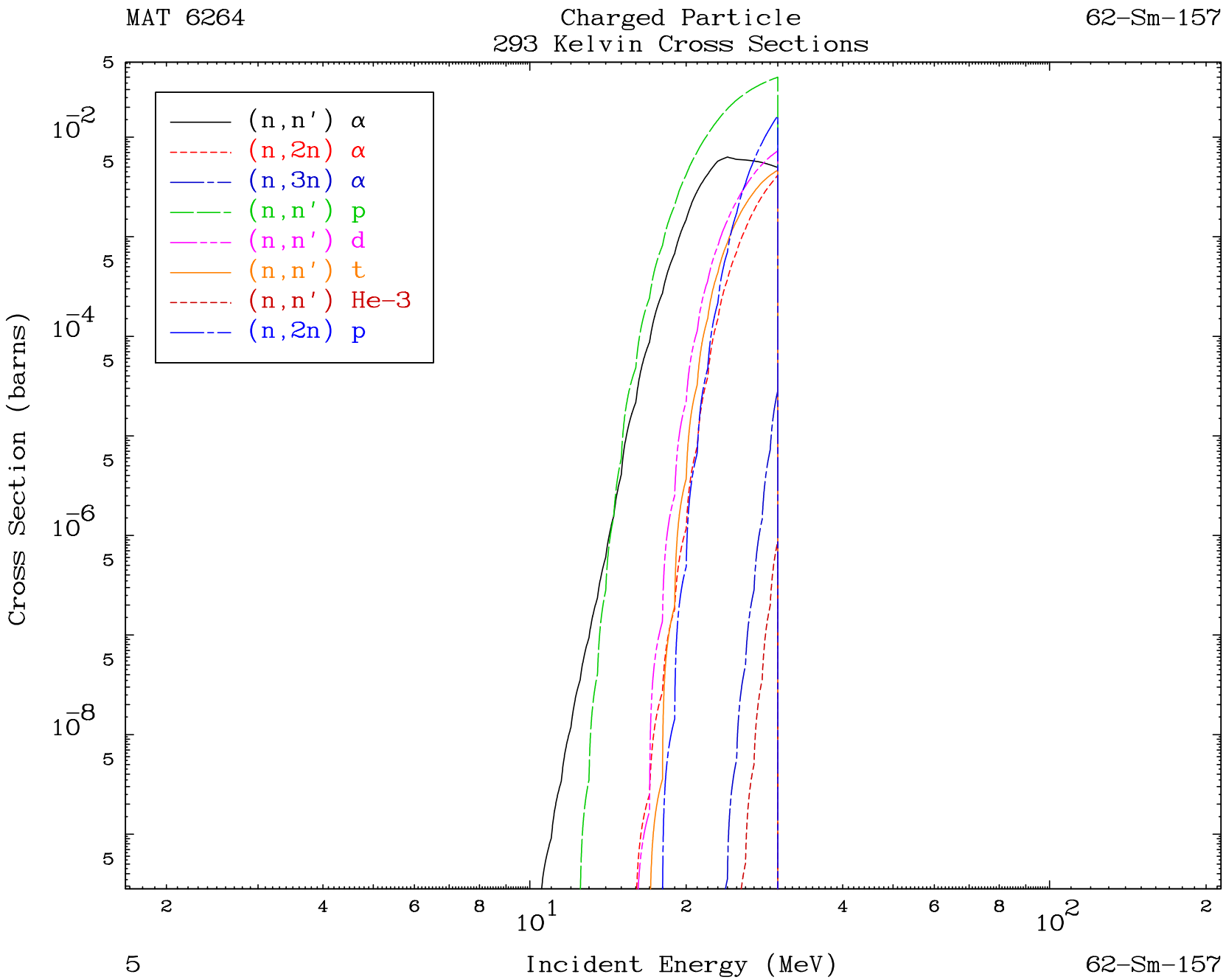
Press Mouse Button to Start

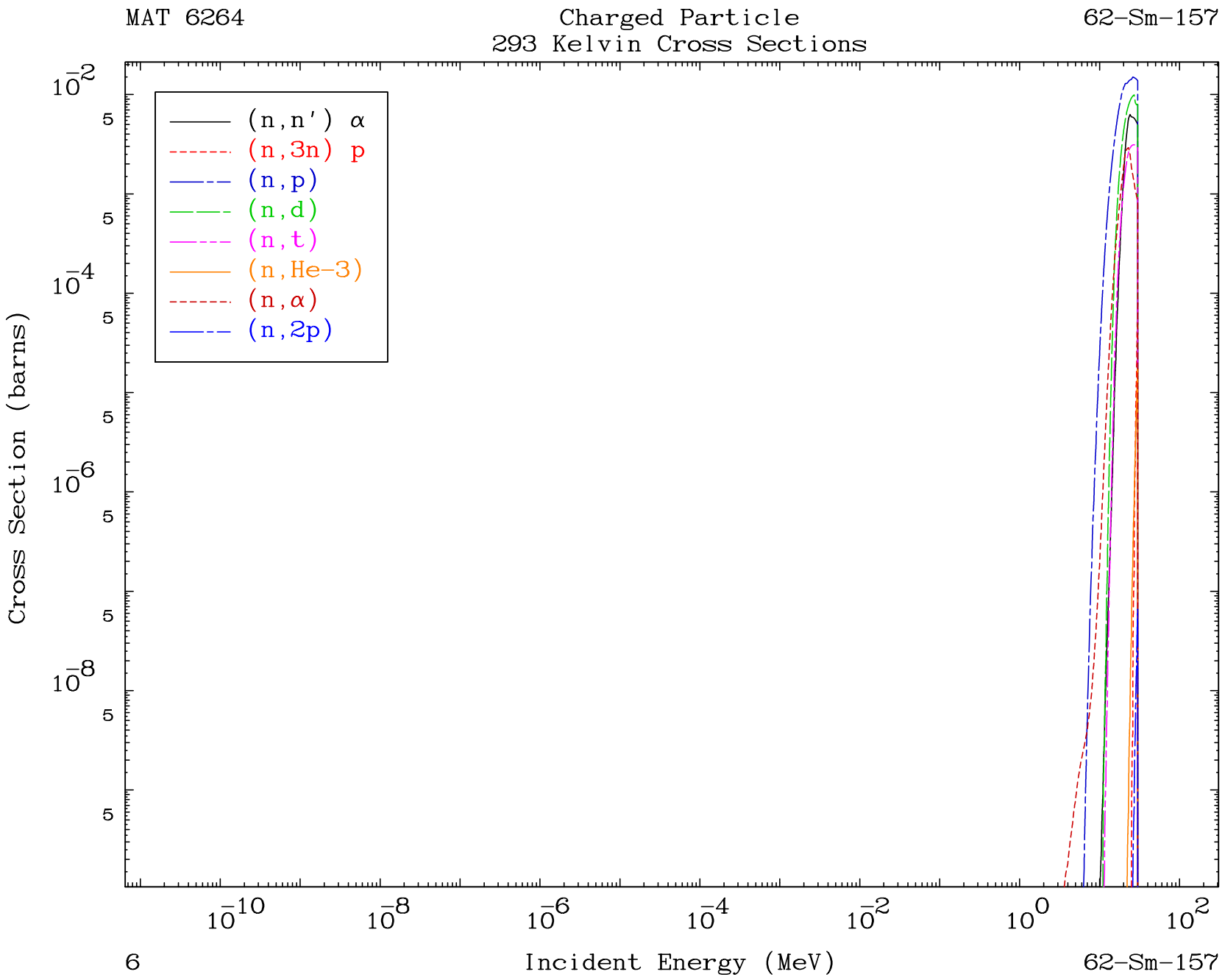

MAT 6264
Neutron Major
293 Kelvin Cross Sections
62-Sm-157
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
62-Sm-157

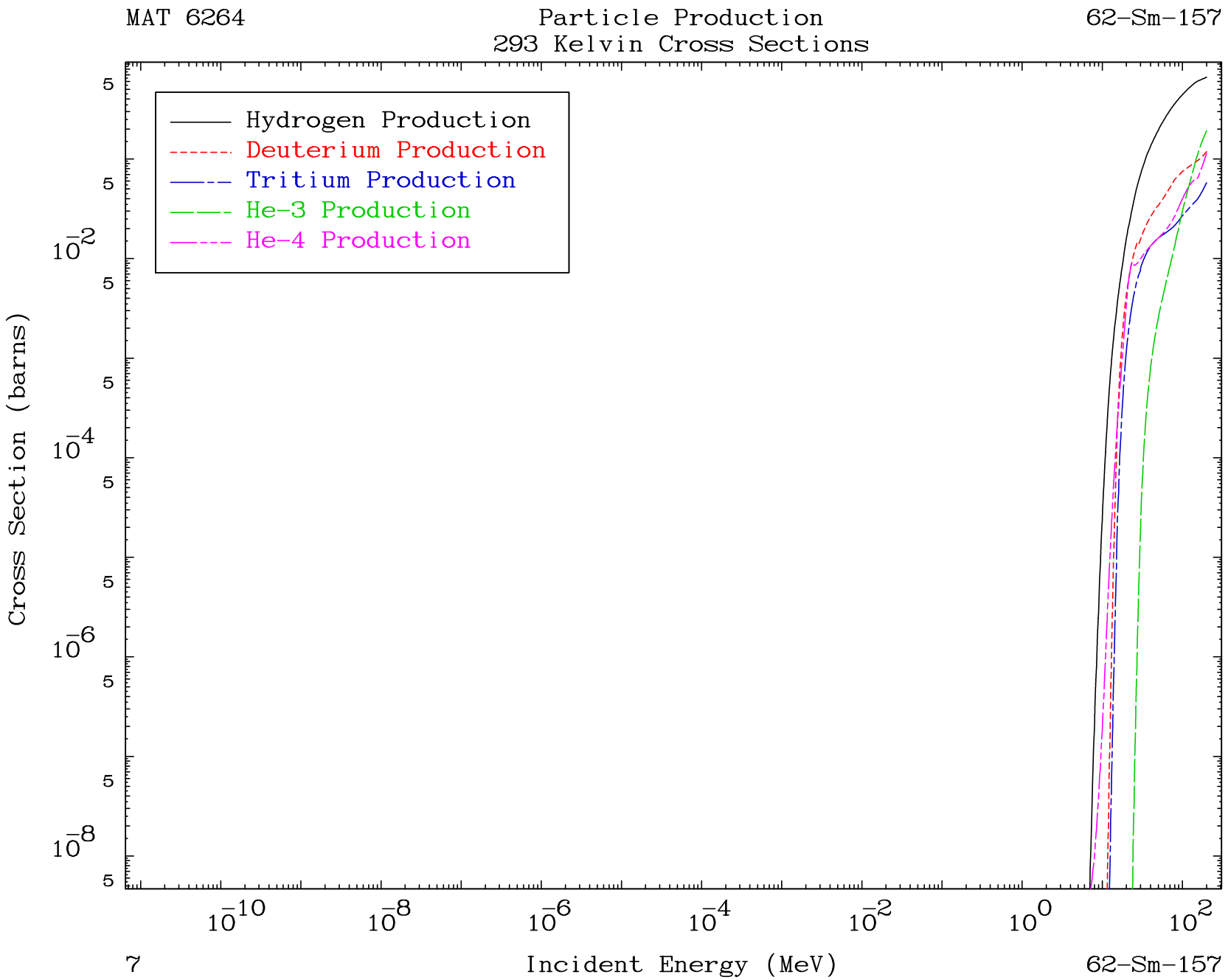

MAT 6264
Neutron Absorption
293 Kelvin Cross Sections
62-Sm-157
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
62-Sm-157

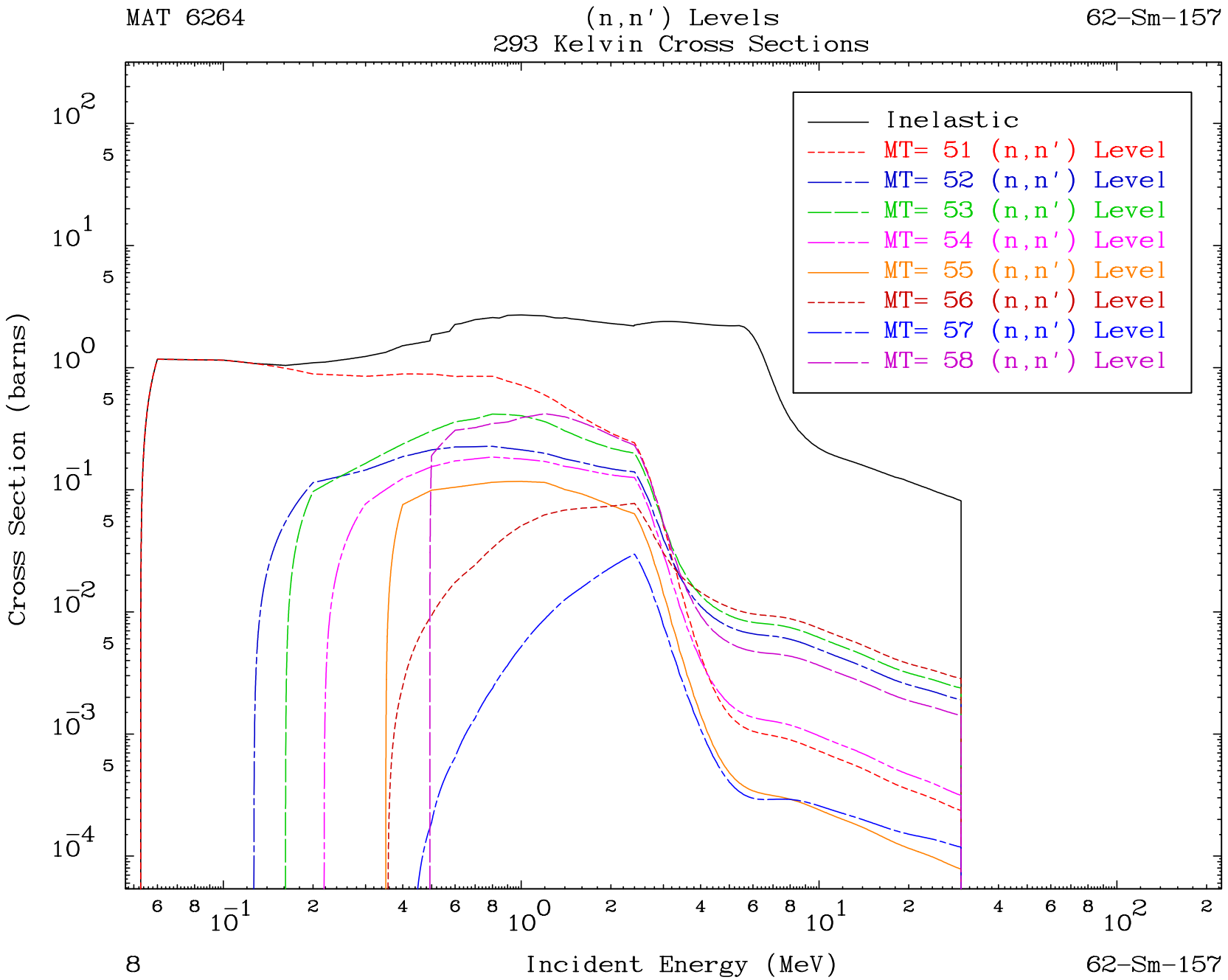

MAT 6264
Neutron Absorption
293 Kelvin Cross Sections
62-Sm-157
Cross Section (barns)
Incident Energy (MeV)
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
3
62-Sm-157

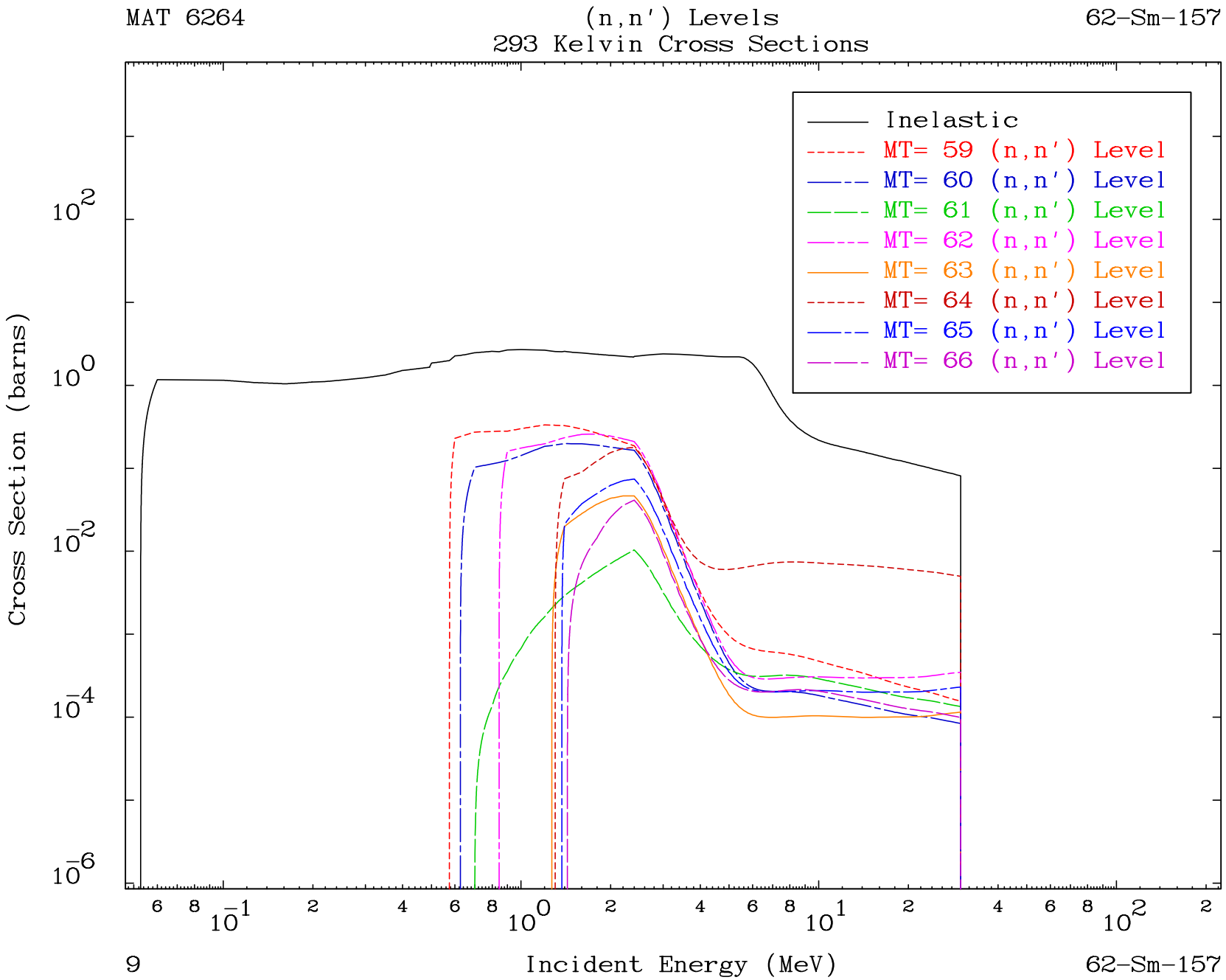

MAT 6264
Neutron Absorption
293 Kelvin Cross Sections
62-Sm-157
(n,α)
(n,2p)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
62-Sm-157

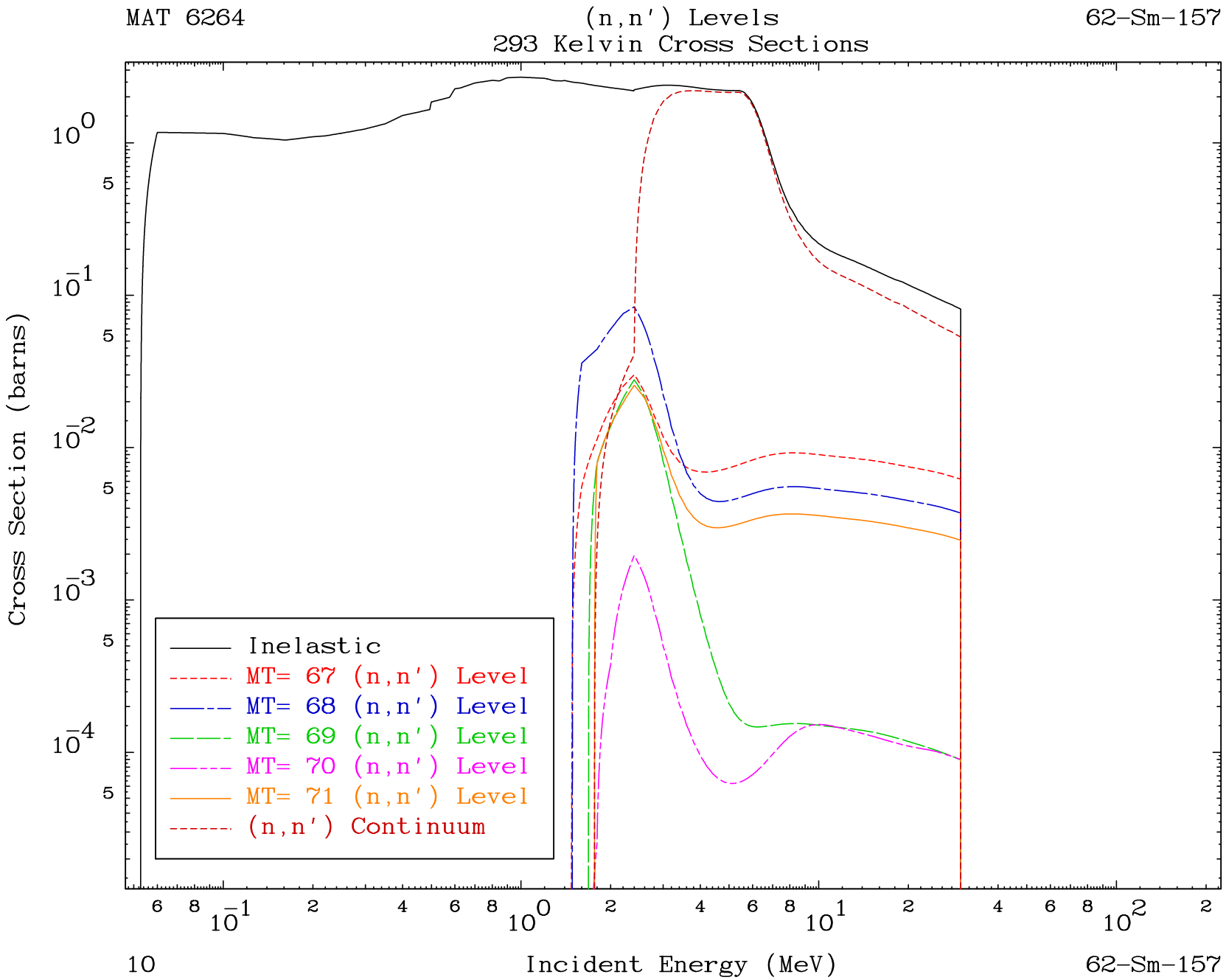

MAT 6264
Charged Particle
293 Kelvin Cross Sections
62-Sm-157
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
62-Sm-157

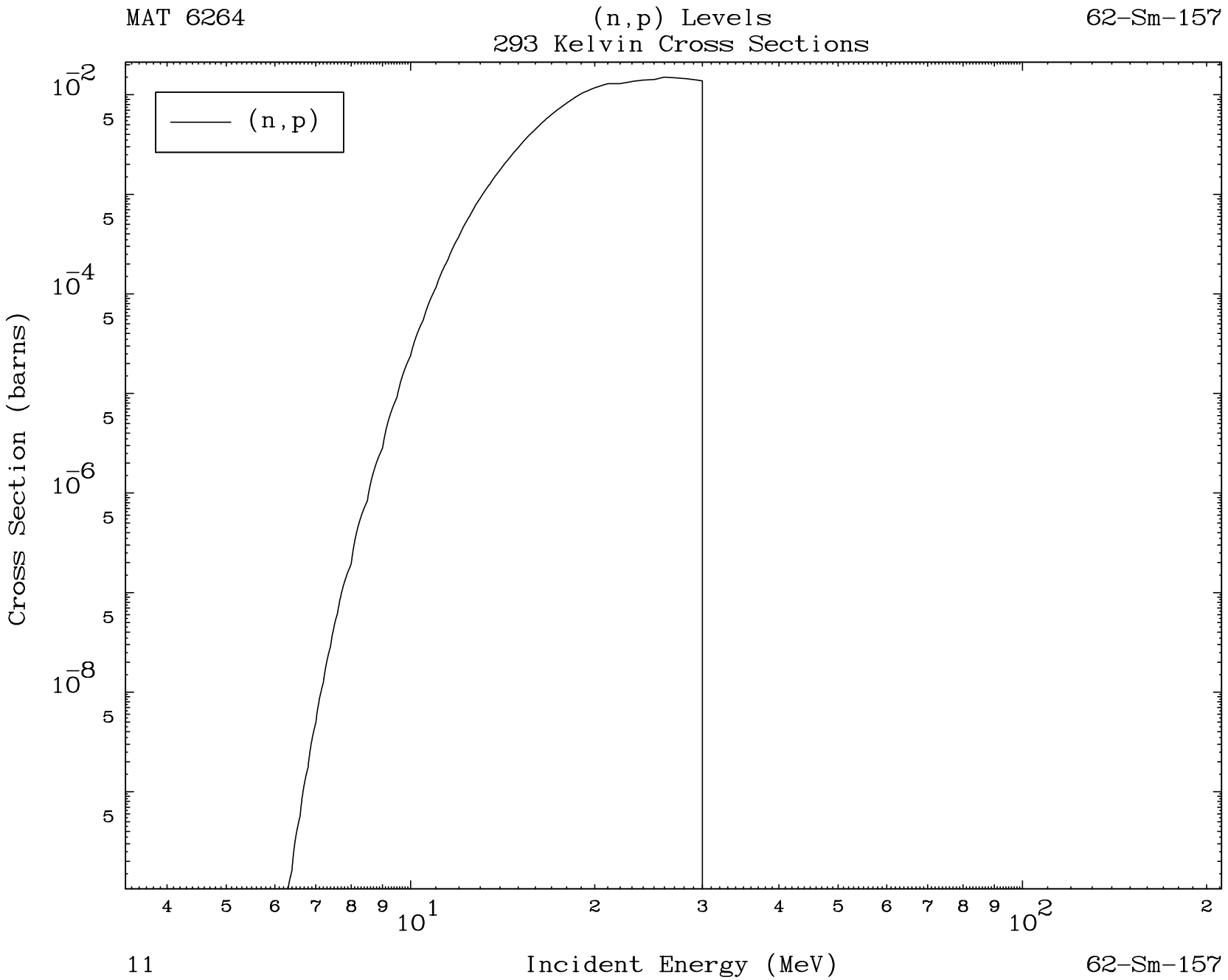

MAT 6264
Charged Particle
293 Kelvin Cross Sections
62-Sm-157
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
6
62-Sm-157

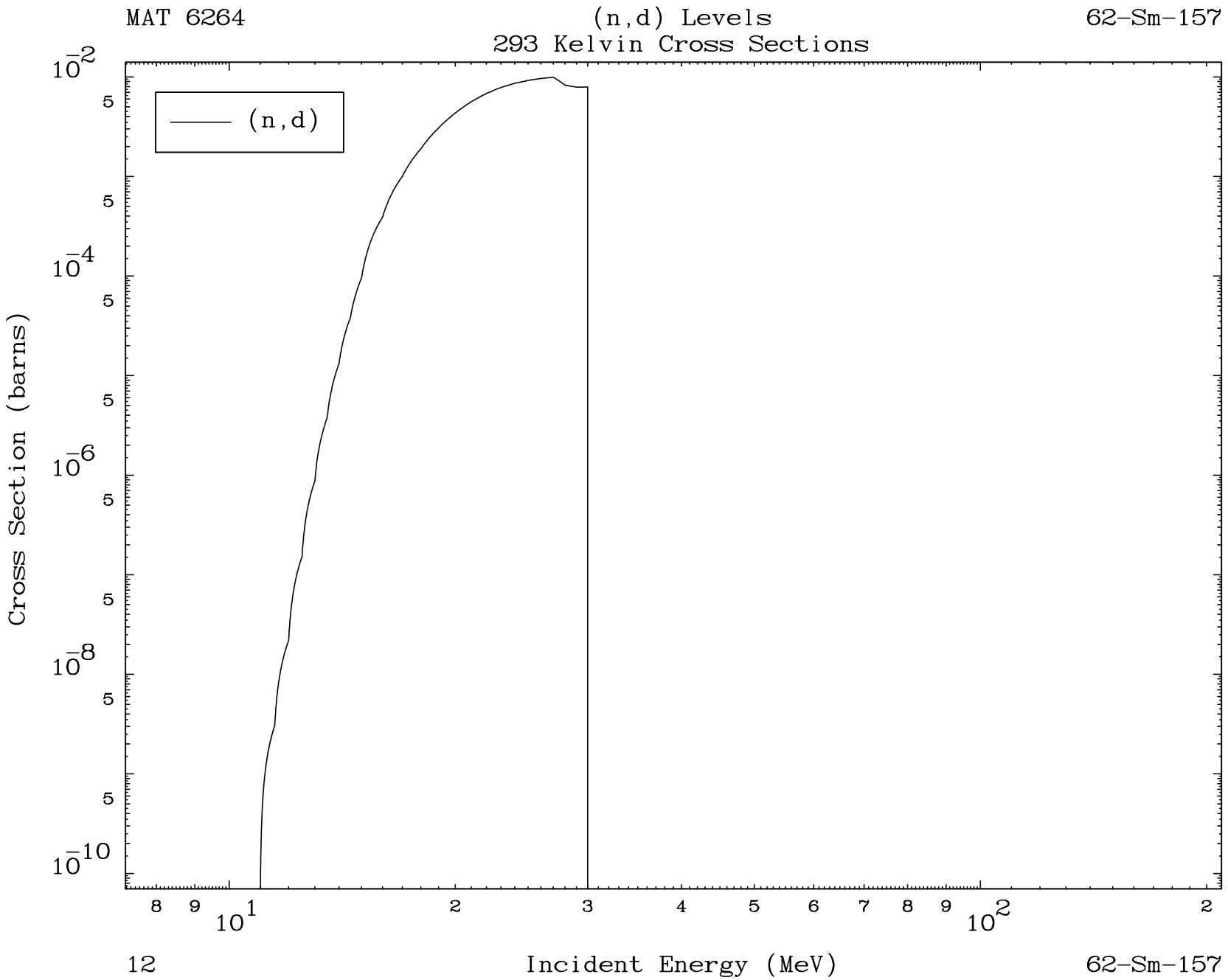

MAT 6264
Particle Production
293 Kelvin Cross Sections
62-Sm-157
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
62-Sm-157
7


MAT 6264
(n,n') Levels
293 Kelvin Cross Sections
62-Sm-157
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
62-Sm-157

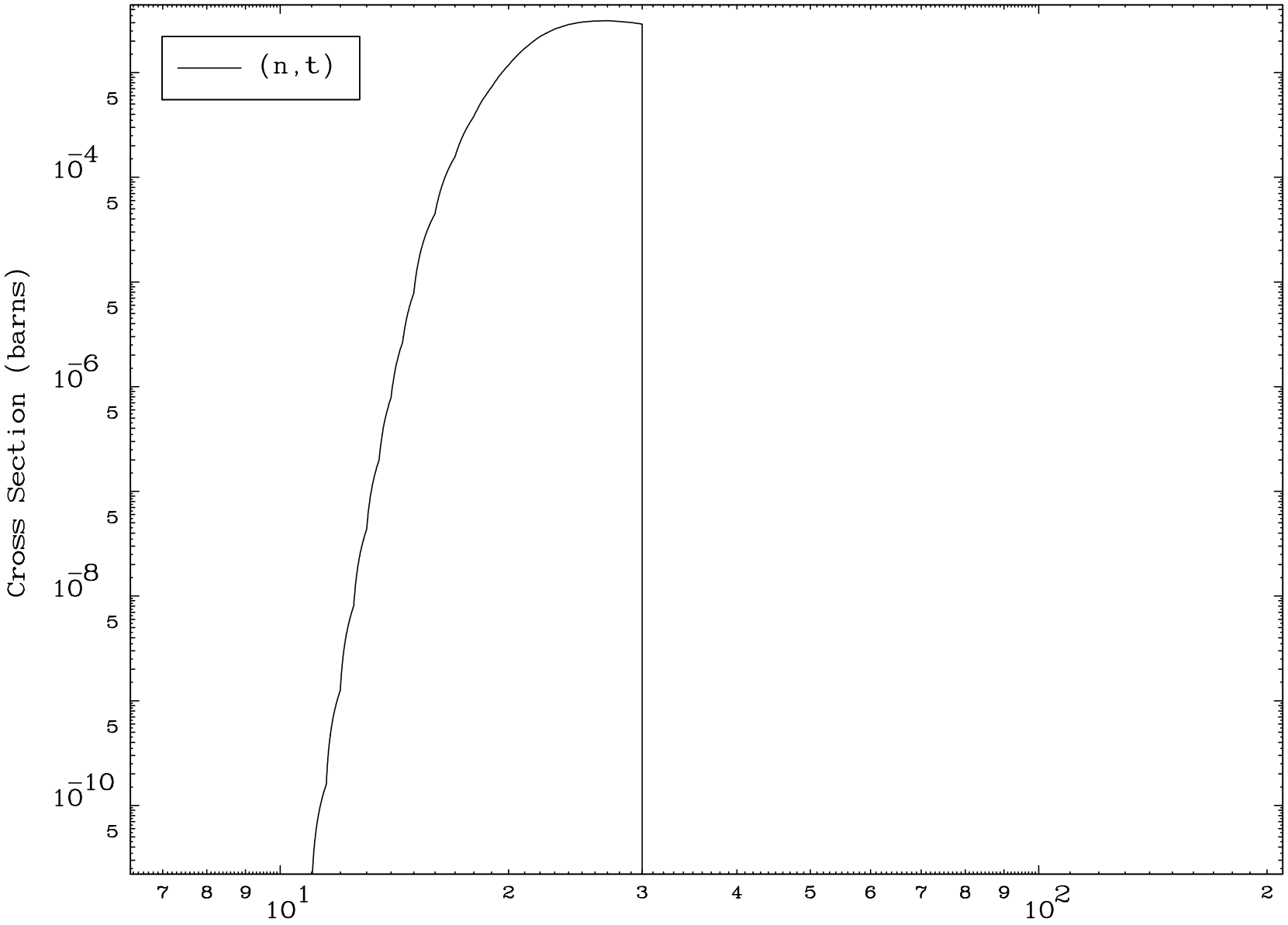

MAT 6264
(n,n') Levels
293 Kelvin Cross Sections
62-Sm-157
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
62-Sm-157

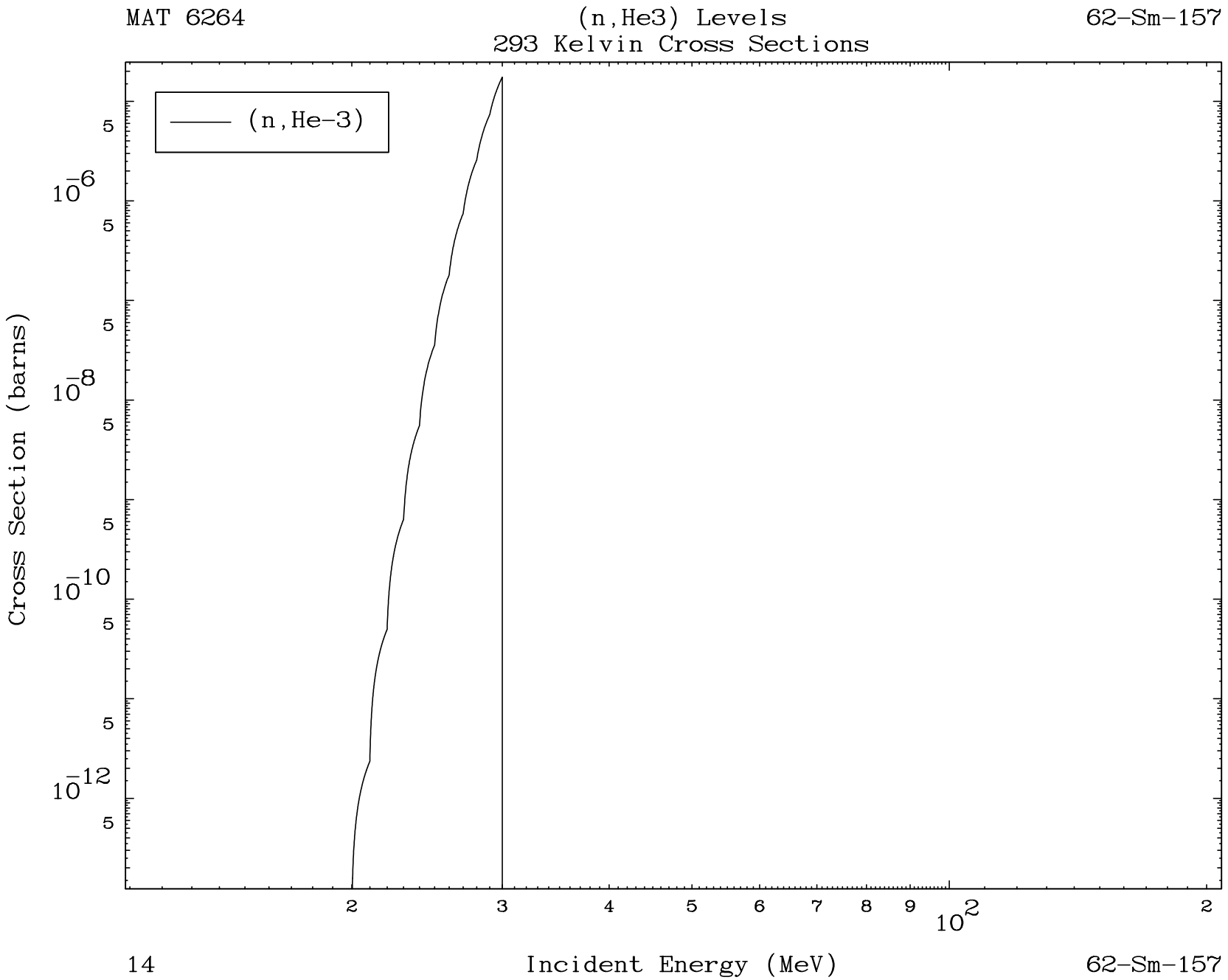

MAT 6264
(n,n') Levels
293 Kelvin Cross Sections
62-Sm-157
Cross Section (barns)
Incident Energy (MeV)
62-Sm-157
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
(n,n') Continuum

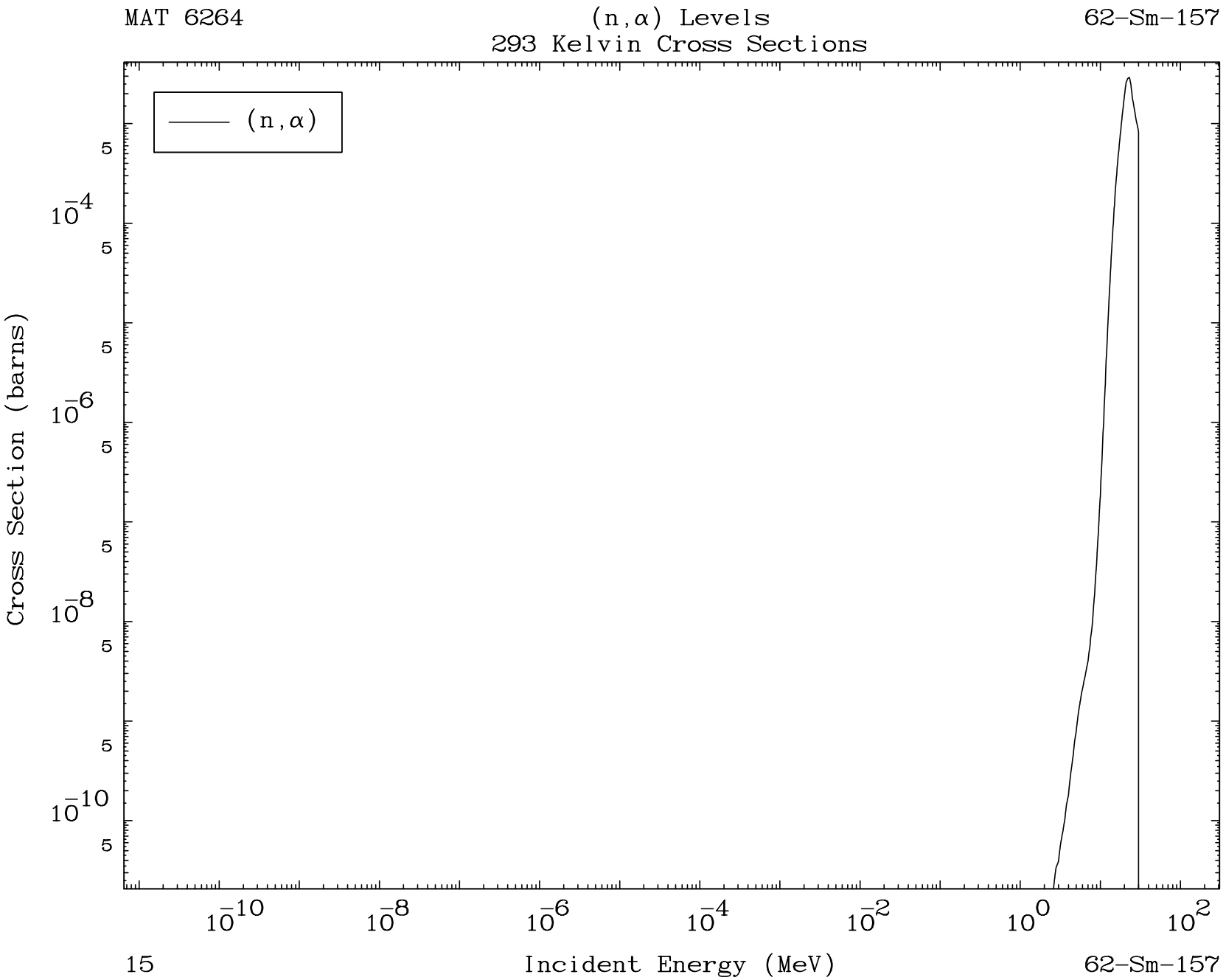

MAT 6264
(n,p) Levels
62-Sm-157
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
11
62-Sm-157

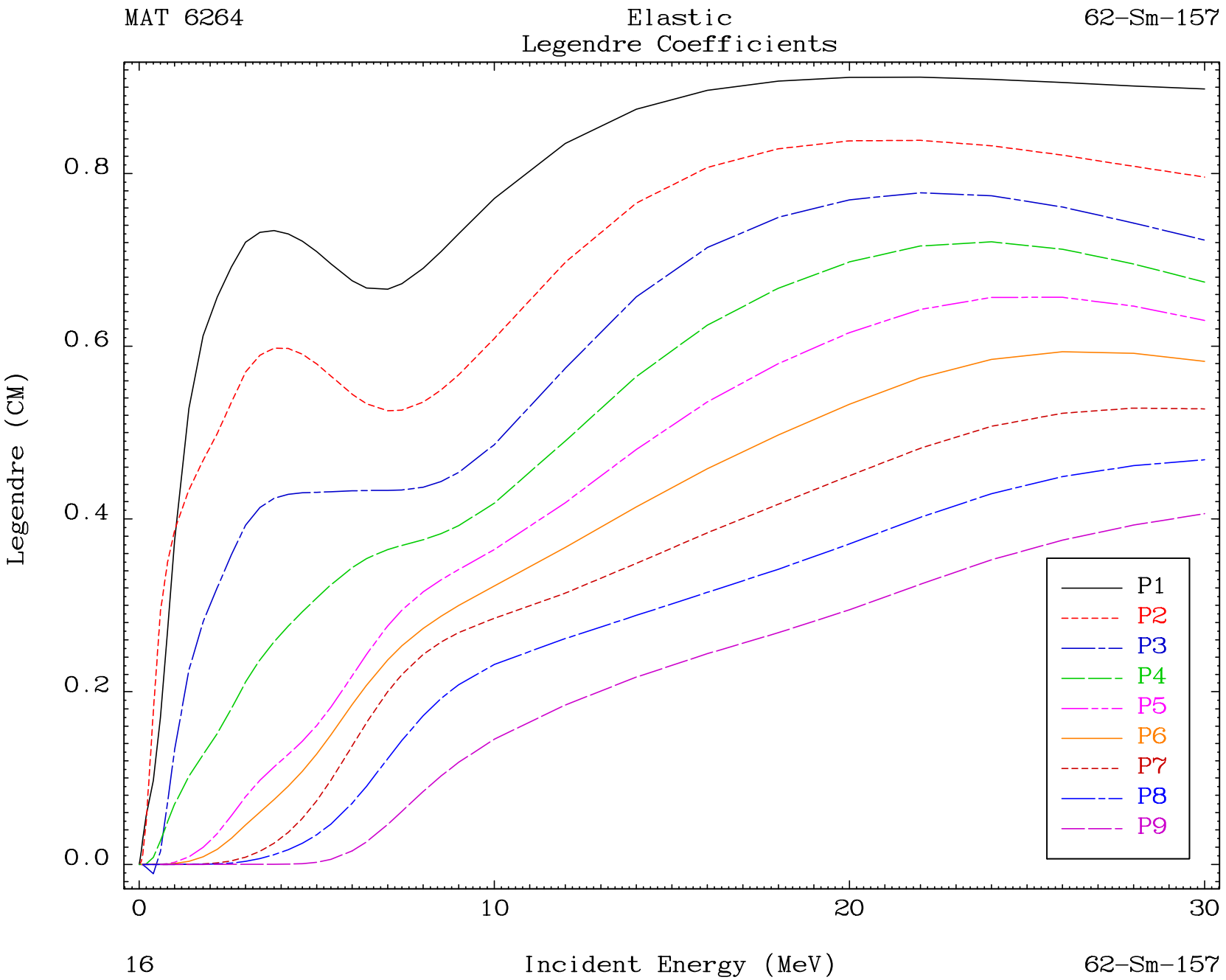

MAT 6264
(n,d) Levels
62-Sm-157
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
62-Sm-157

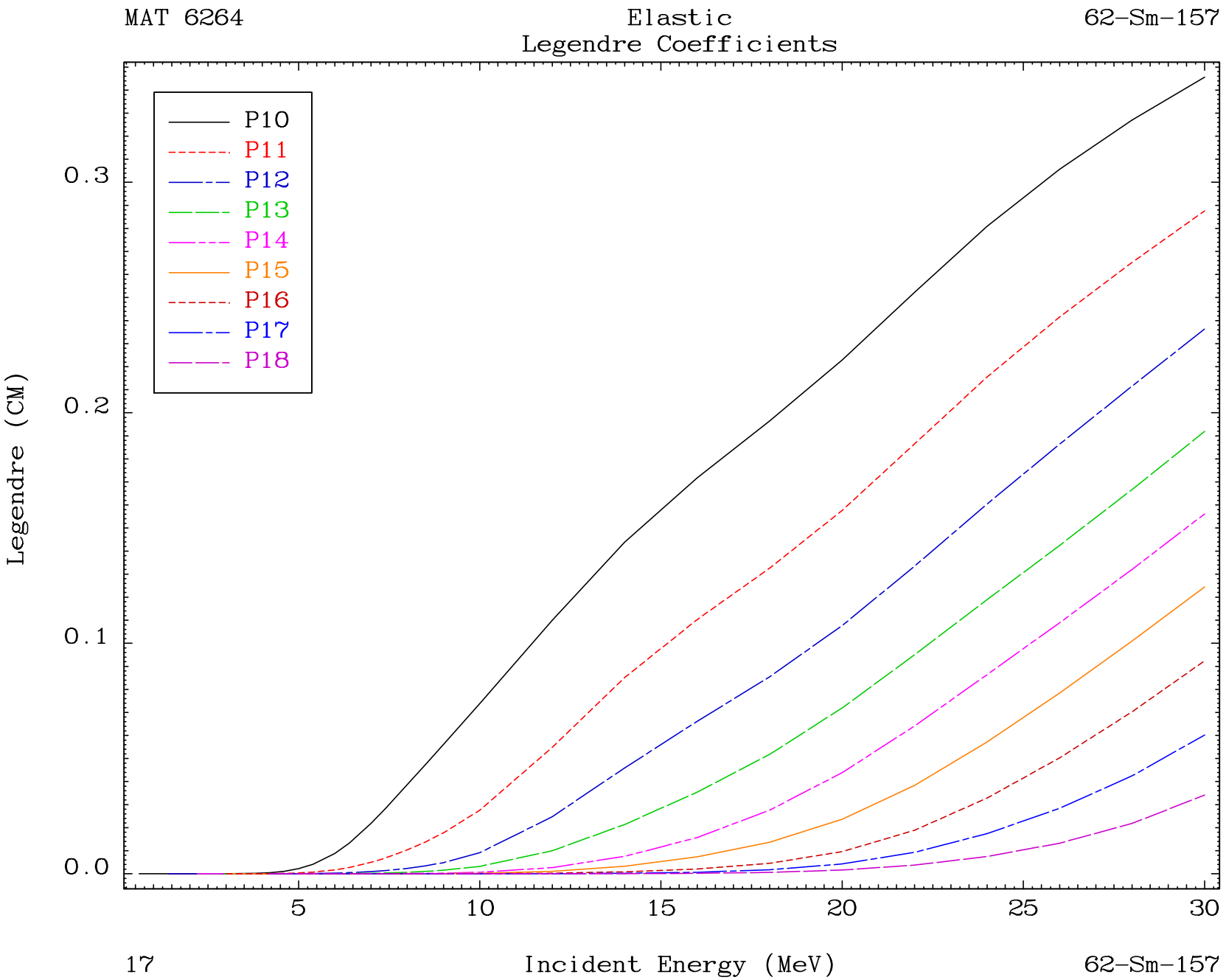
293 Kelvin Cross Sections

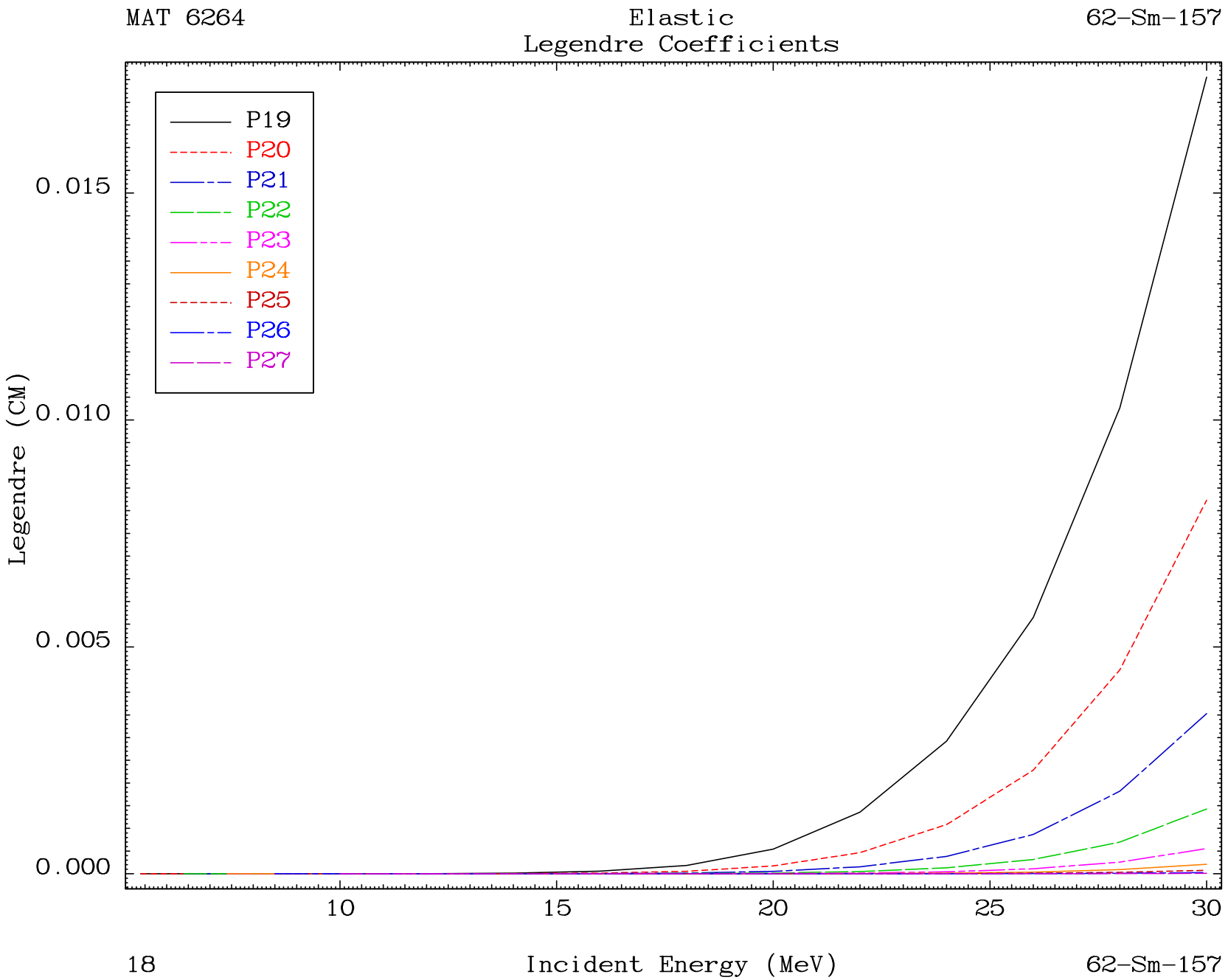


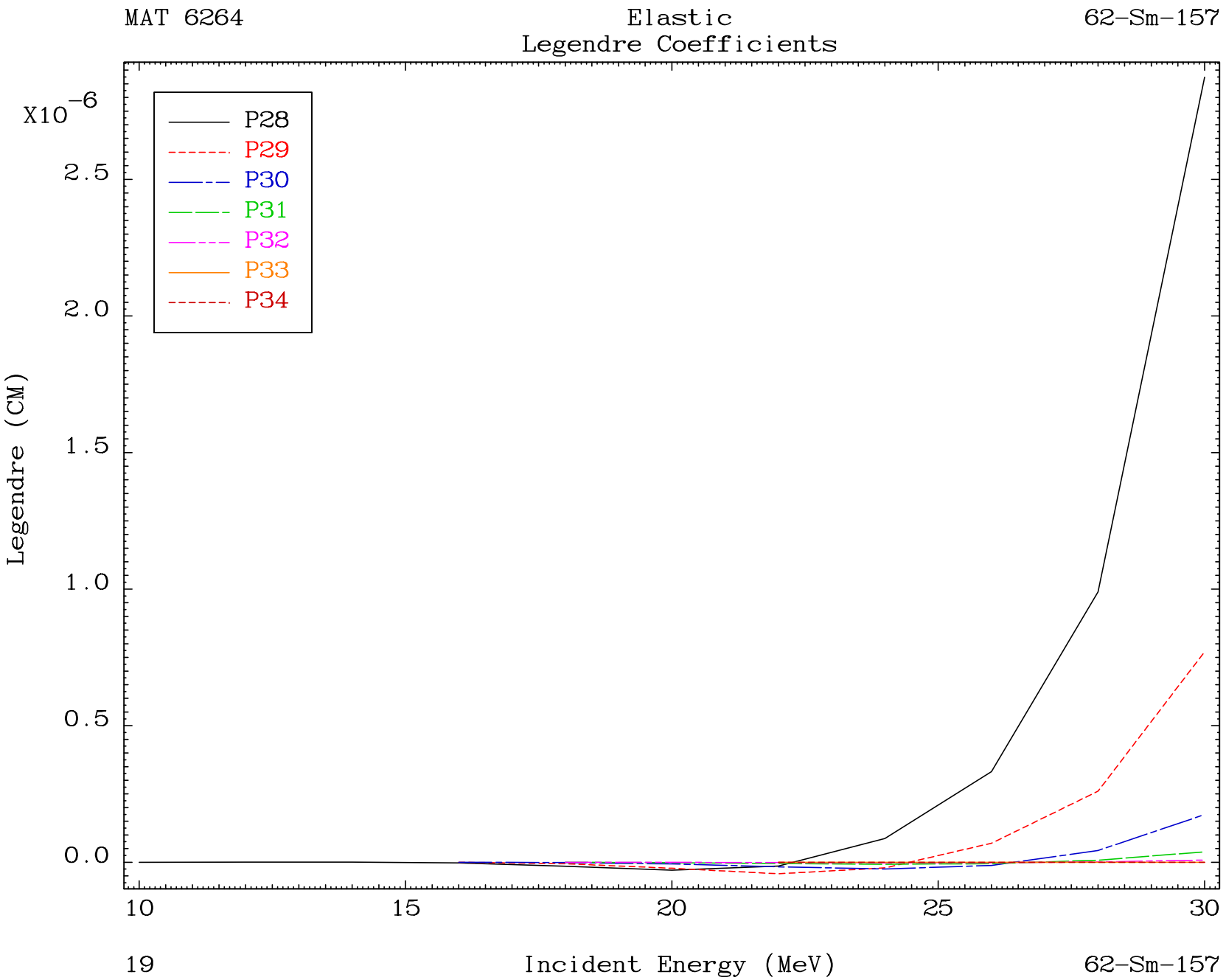

MAT 6264
(n,He3) Levels
62-Sm-157
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
62-Sm-157

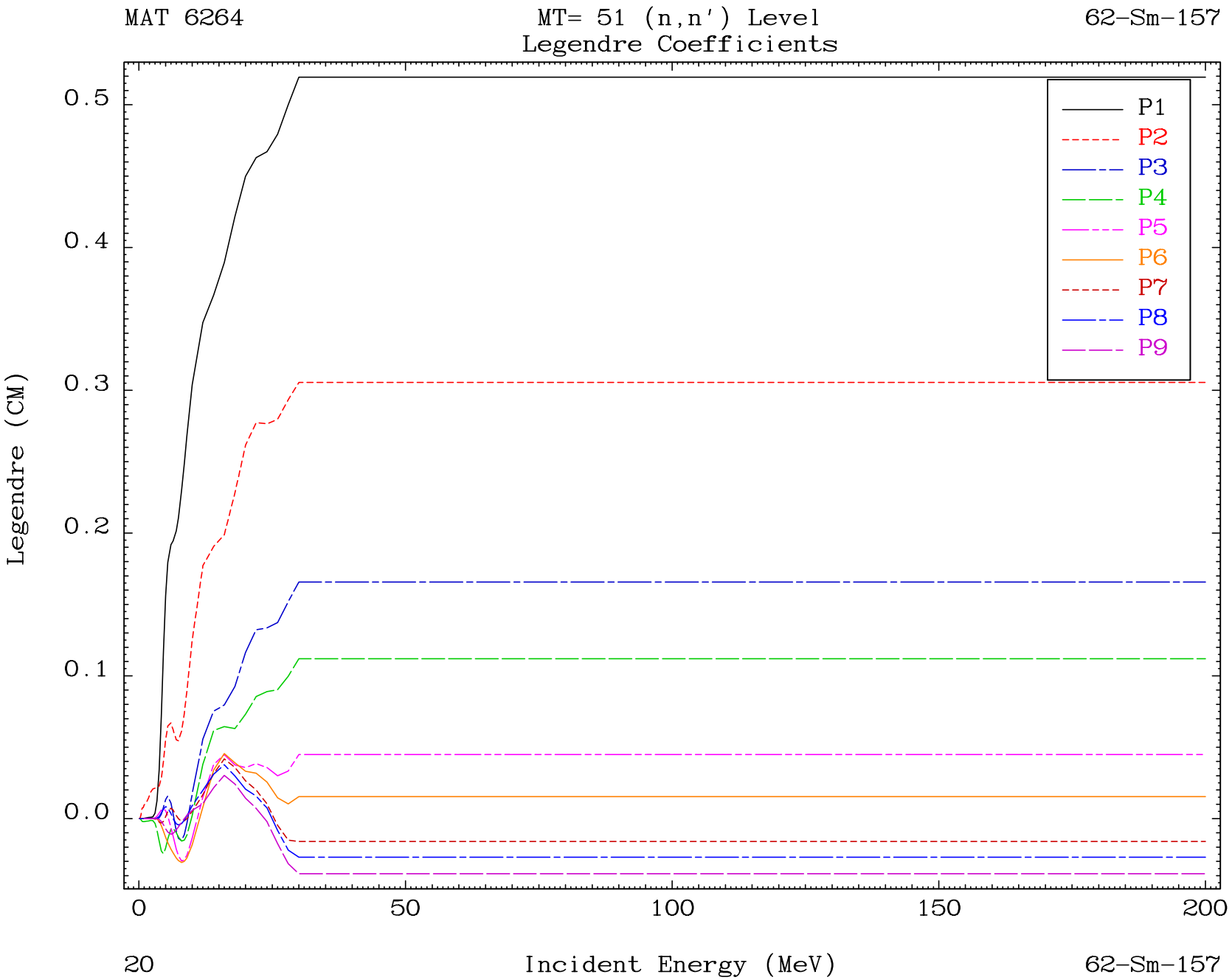

MAT 6264
(n,α) Levels
62-Sm-157
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
15
62-Sm-157

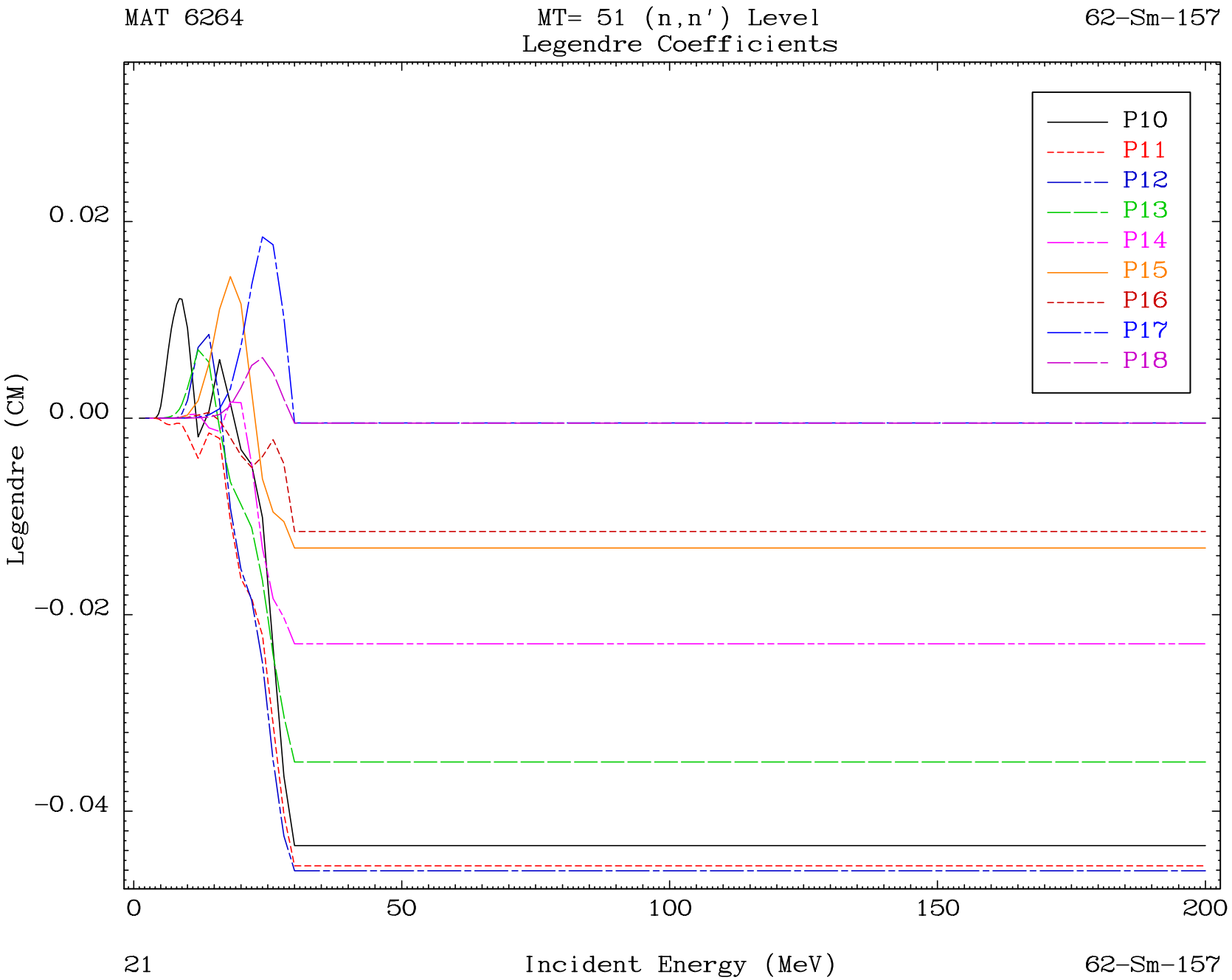

MAT 6264
Elastic
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

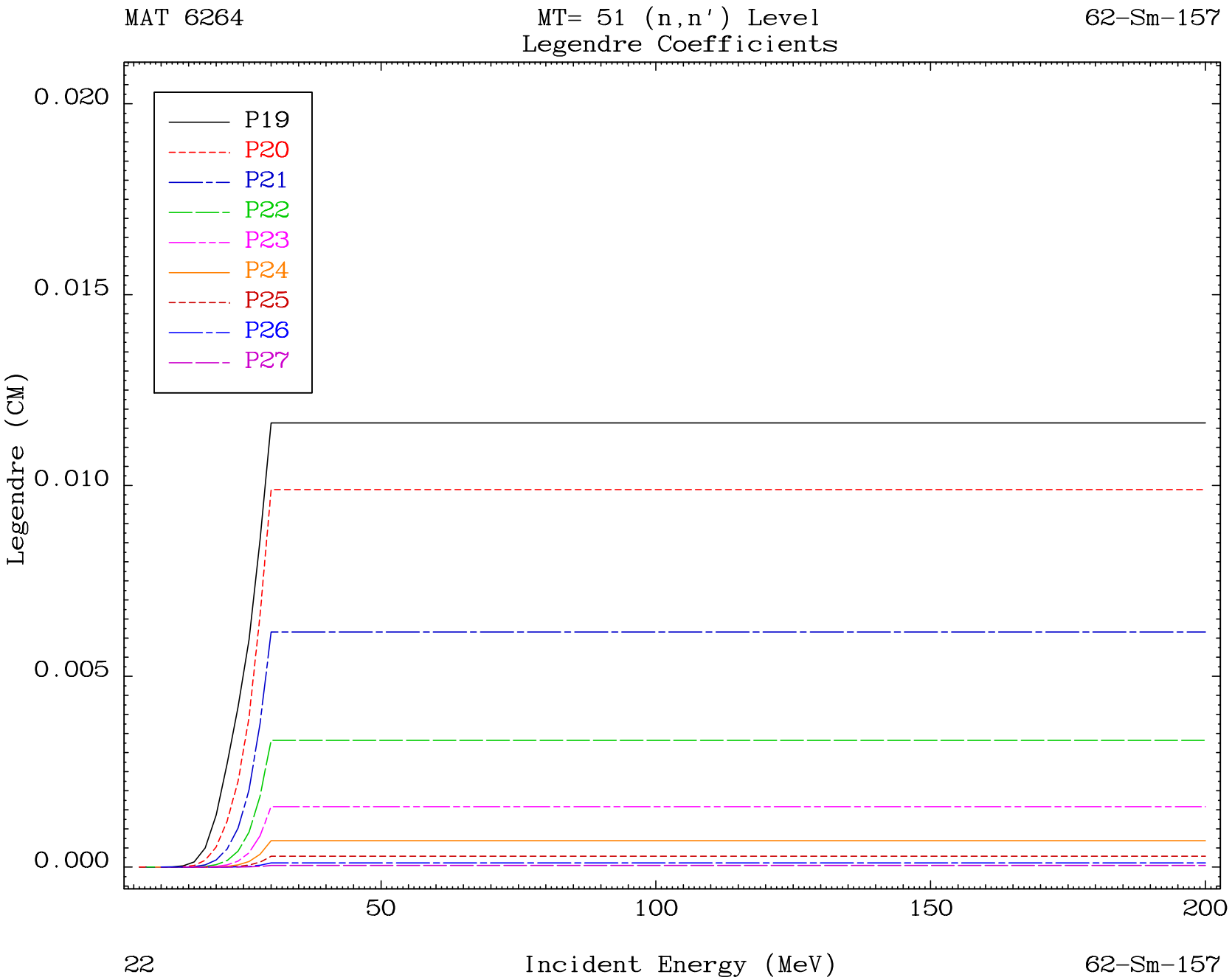

MAT 6264
Elastic
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
62-Sm-157

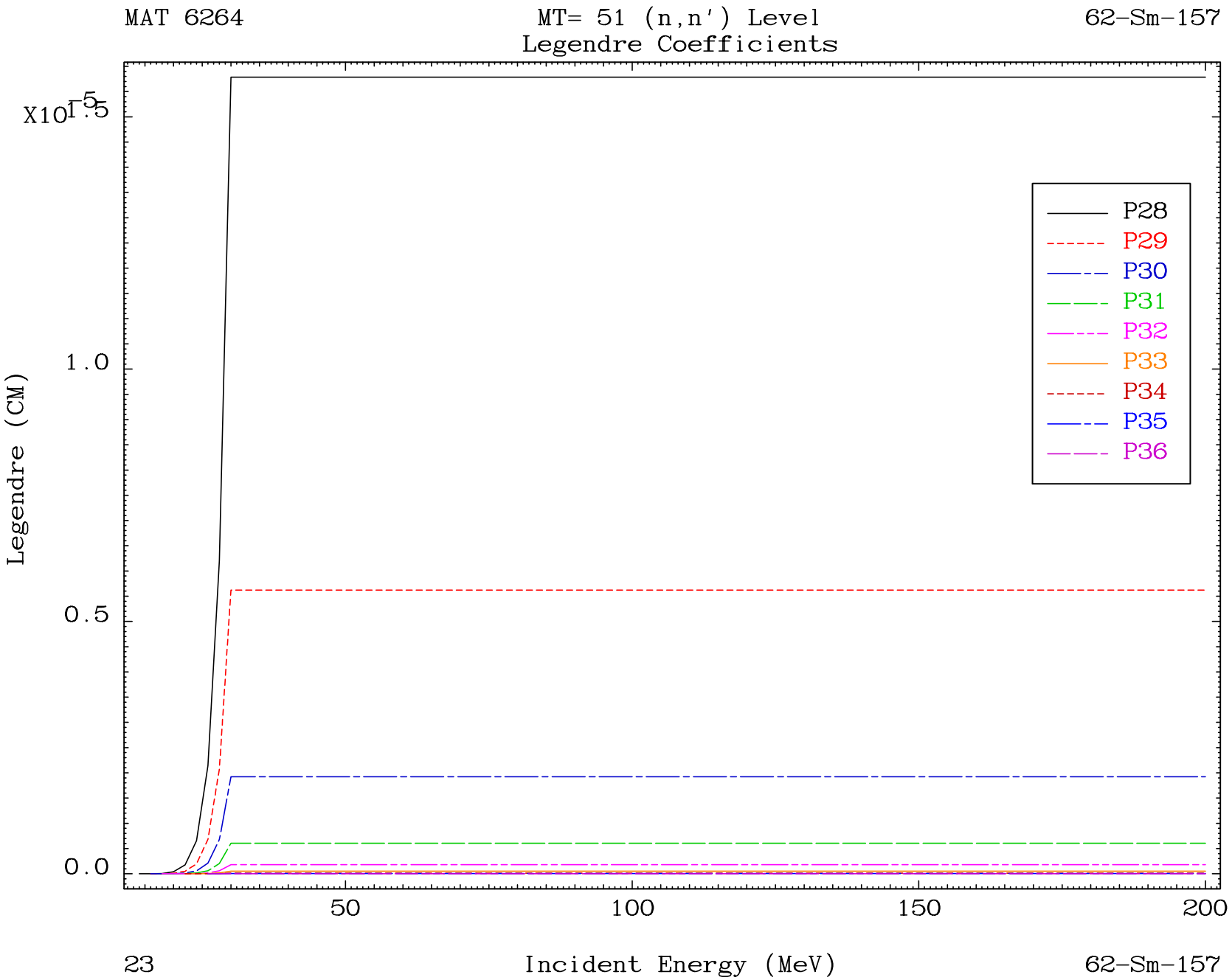

MAT 6264
Elastic
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
62-Sm-157

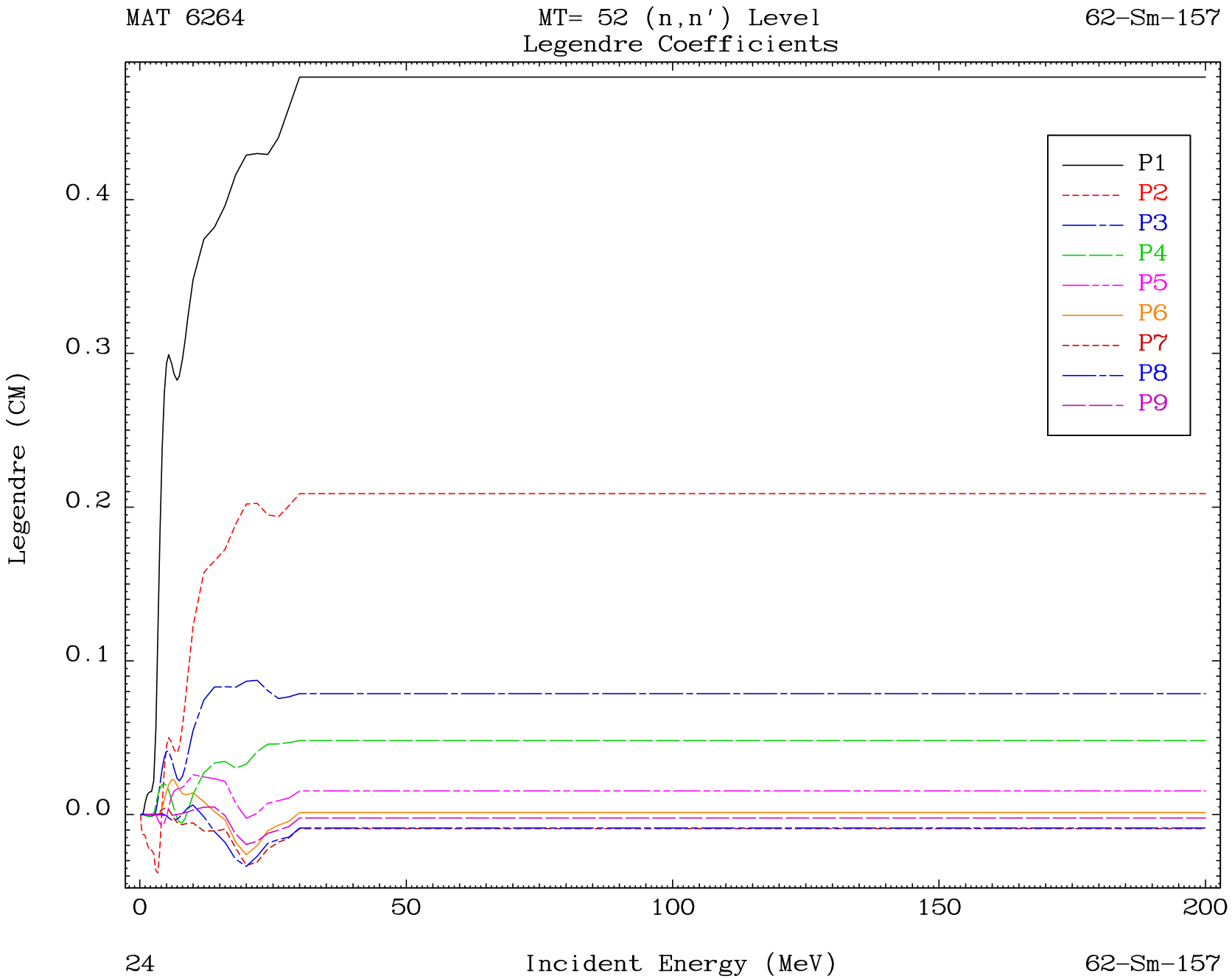

MAT 6264
Elastic
Legendre Coefficients
62-Sm-157
X10 −6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
62-Sm-157

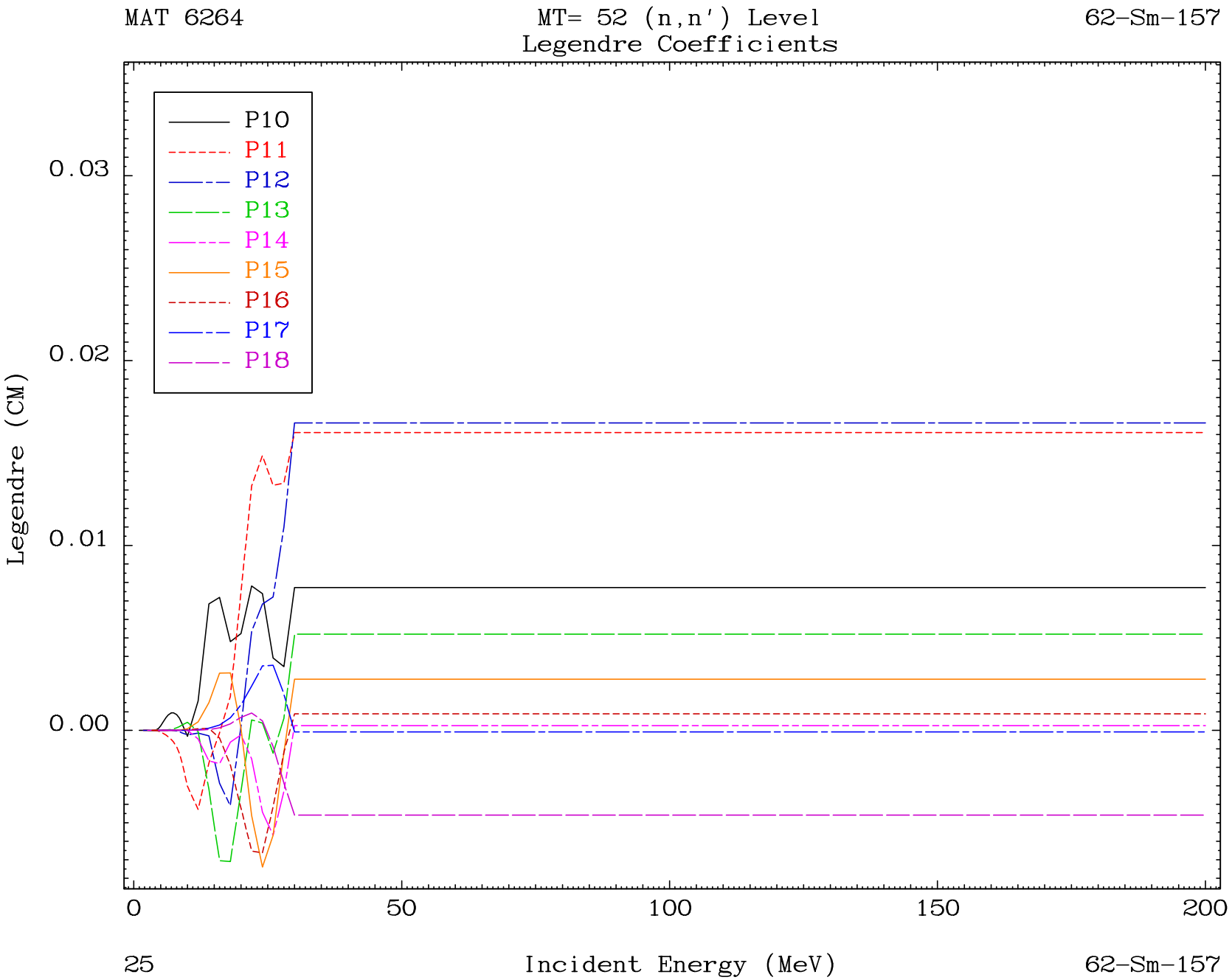

MAT 6264
MT= 51 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
20
Incident Energy (MeV)
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

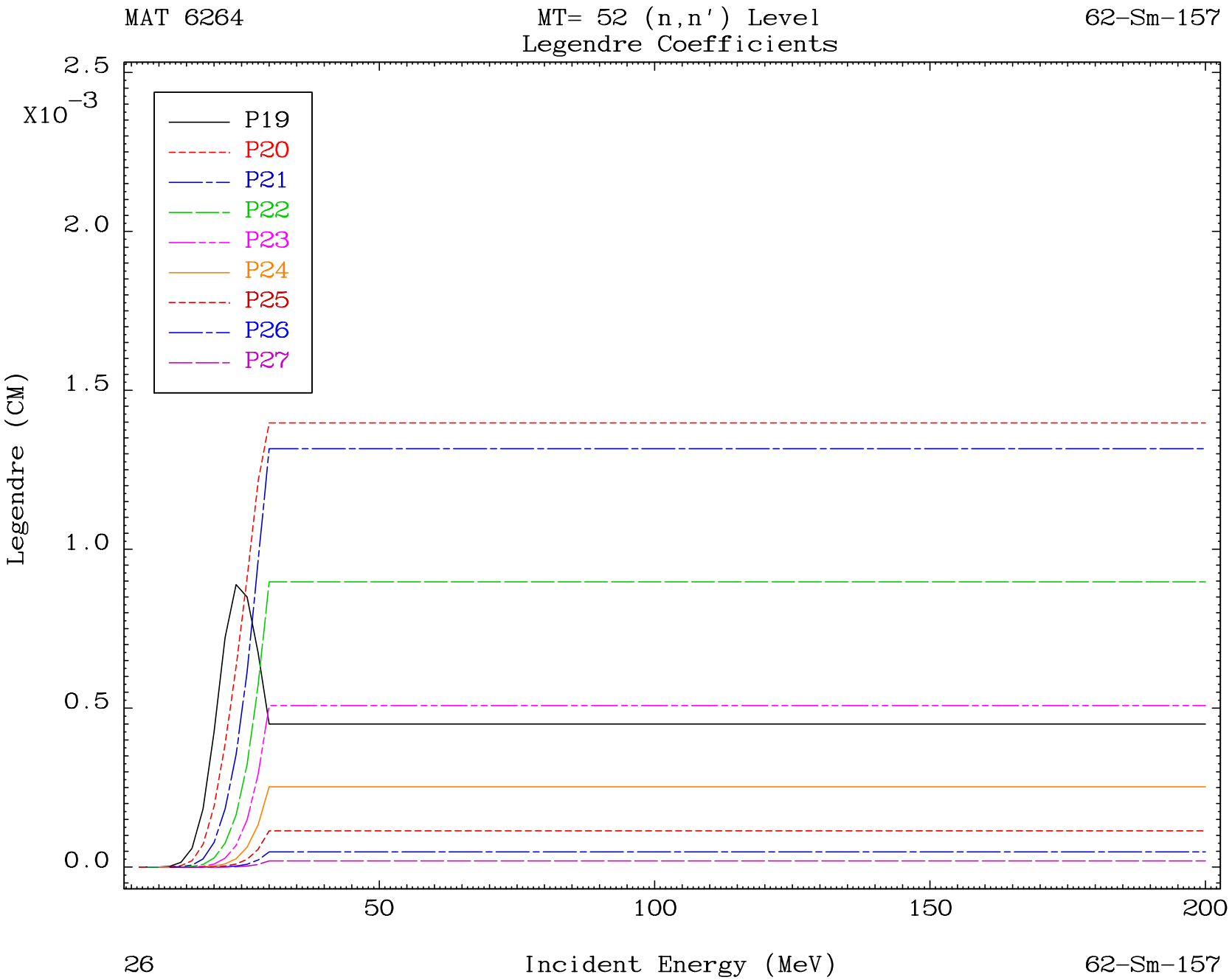

MAT 6264
MT= 51 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
62-Sm-157

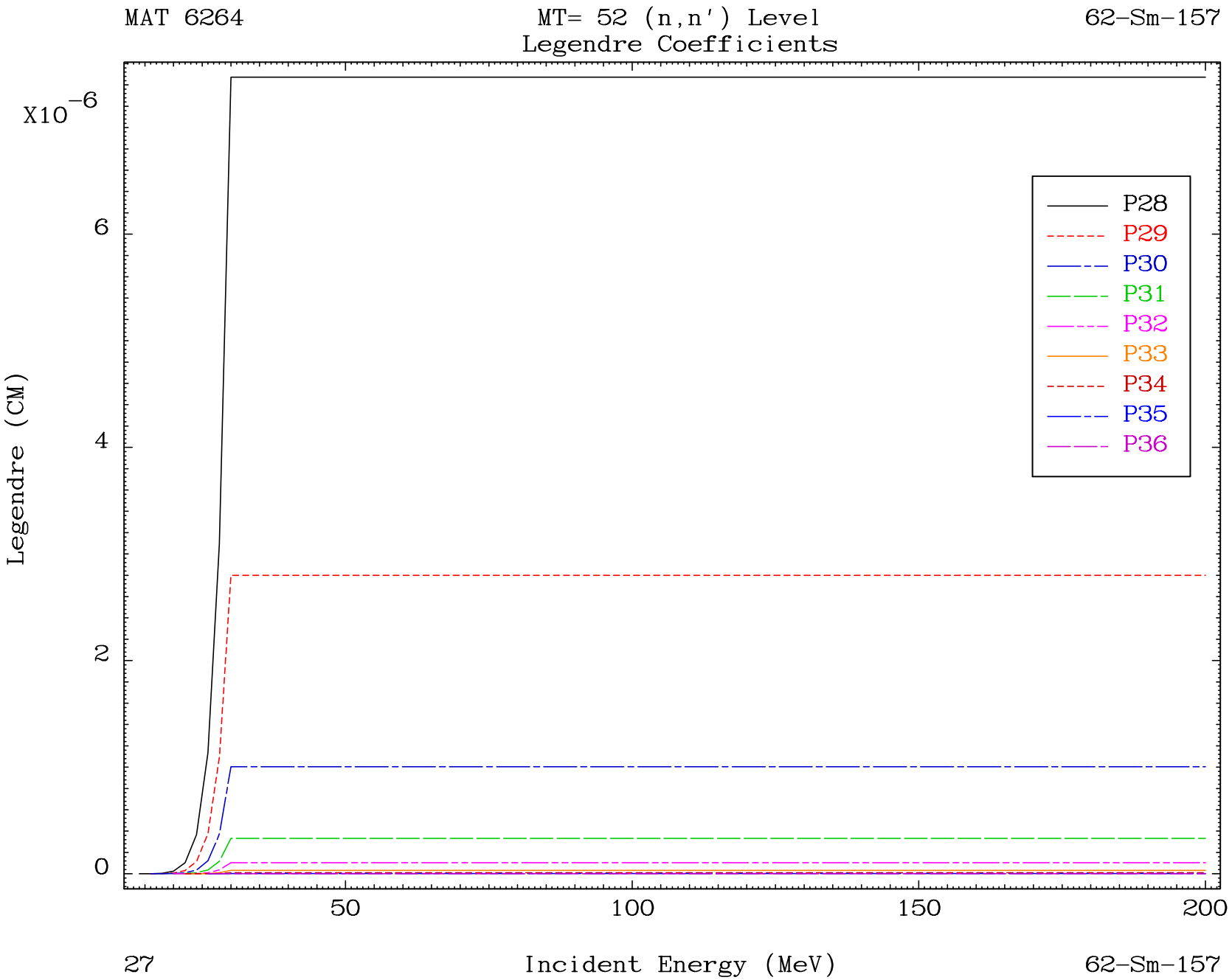

MAT 6264
MT= 51 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
62-Sm-157

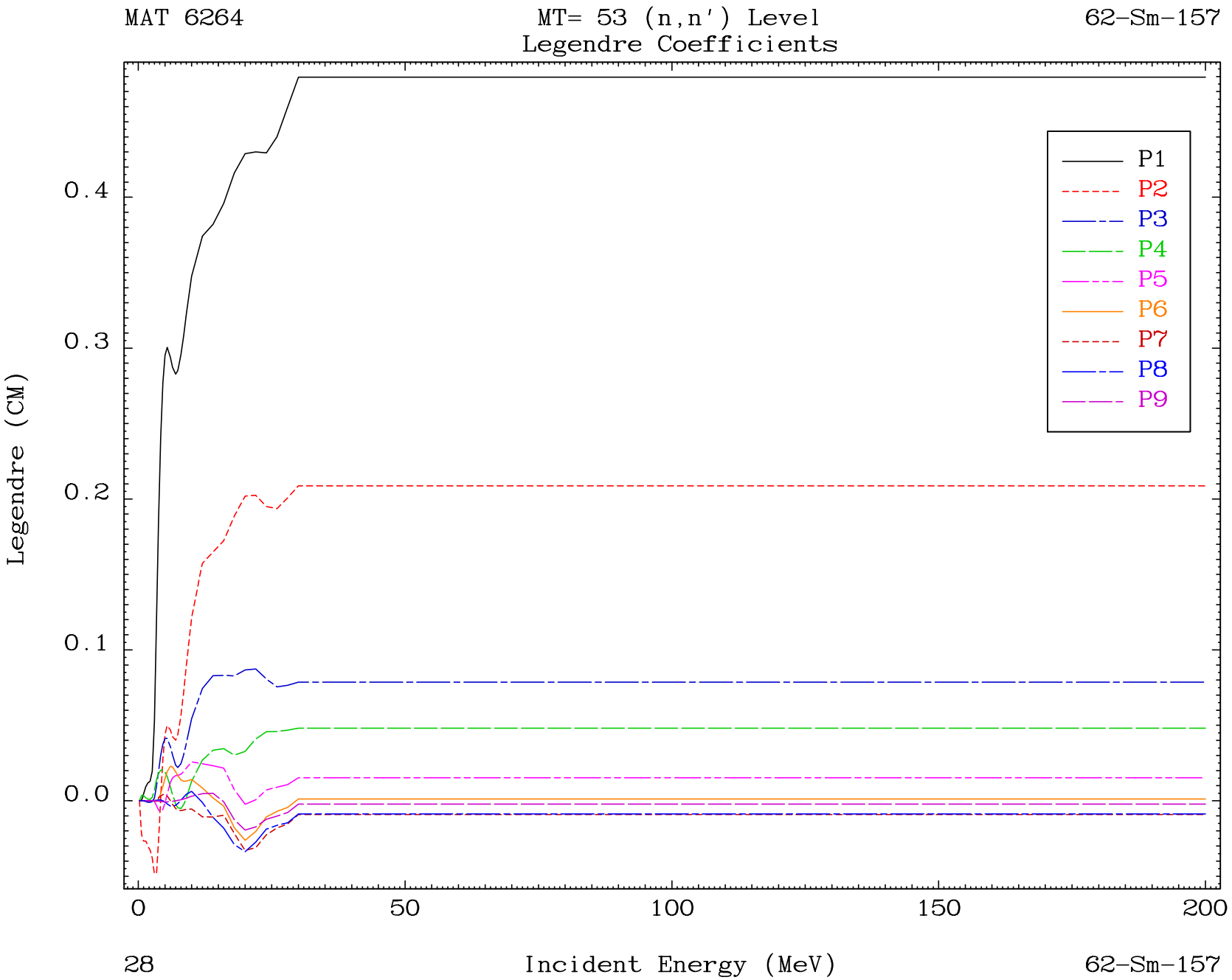

MAT 6264
MT= 51 (n,n') Level
Legendre Coefficients
62-Sm-157
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

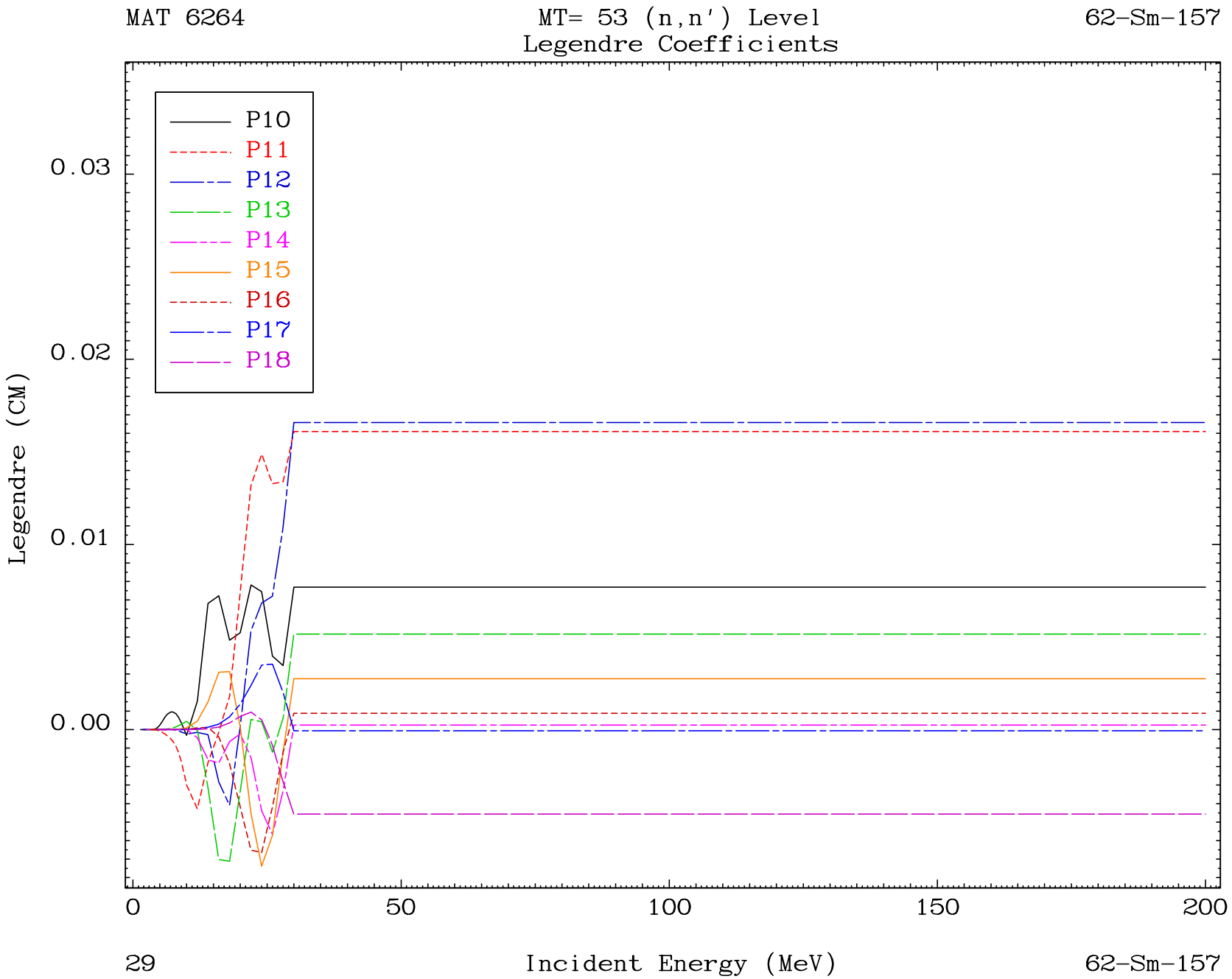

MAT 6264
MT= 52 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
24
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

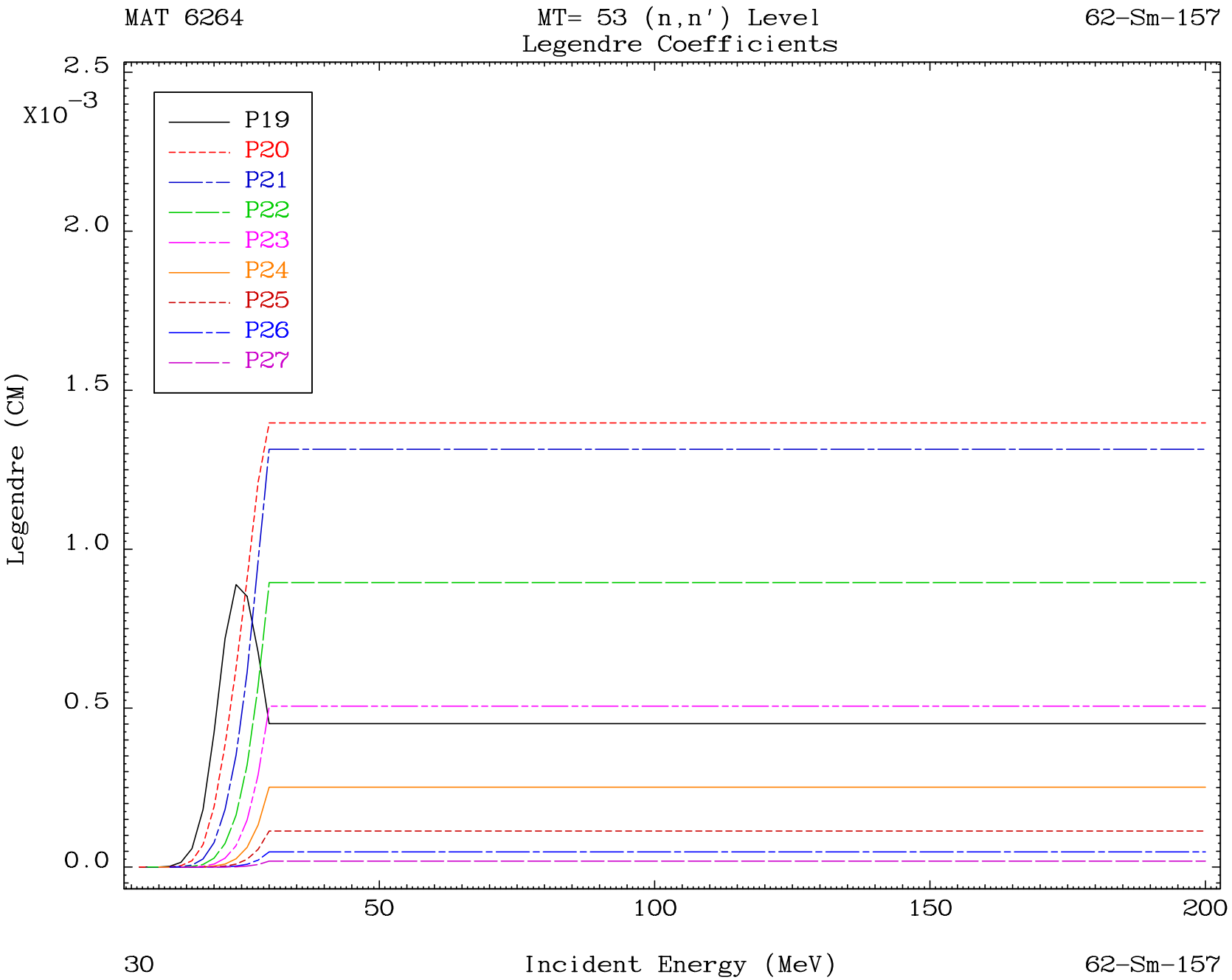

MAT 6264
MT= 52 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
62-Sm-157

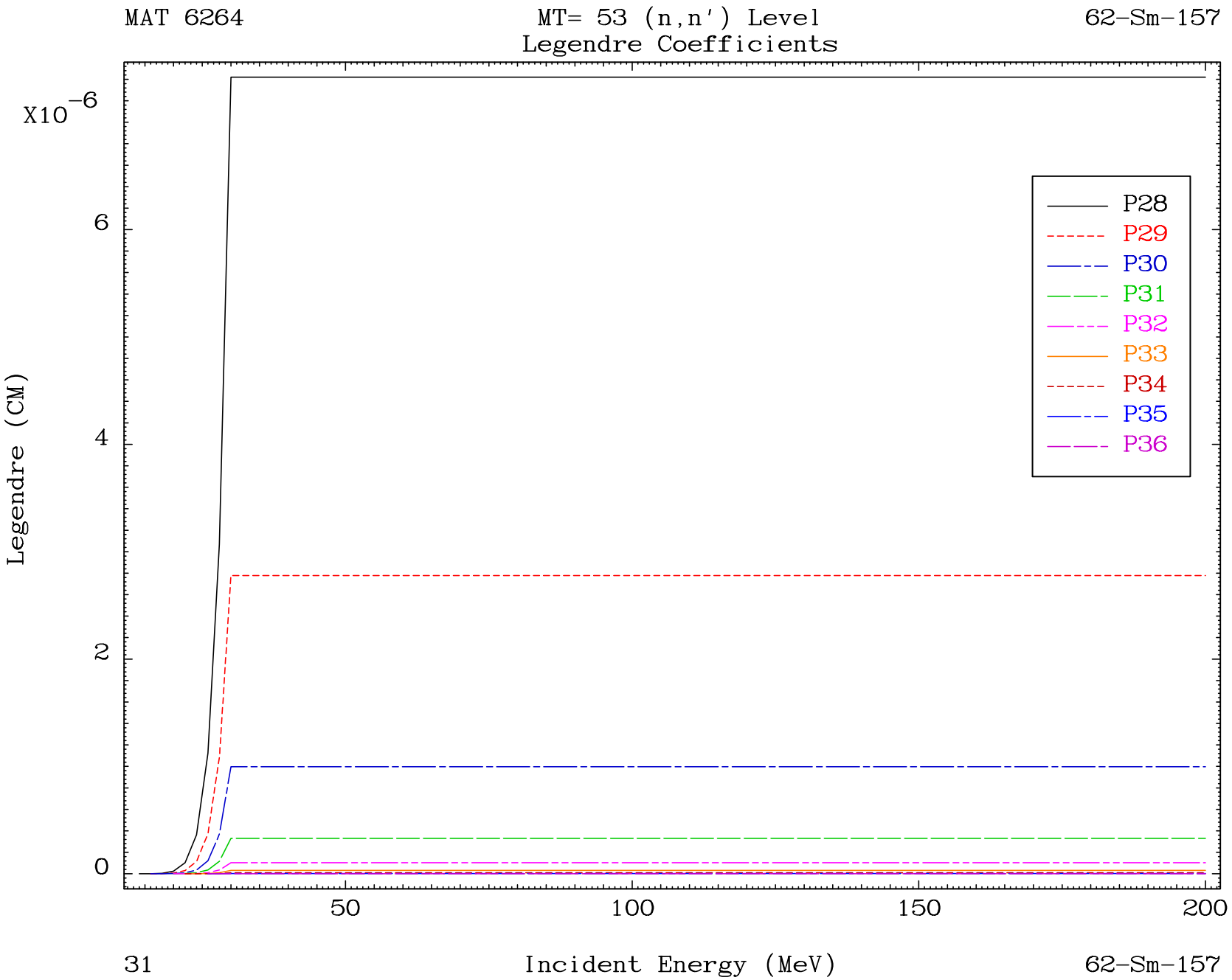

MAT 6264
MT= 52 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
Incident Energy (MeV)
26
62-Sm-157

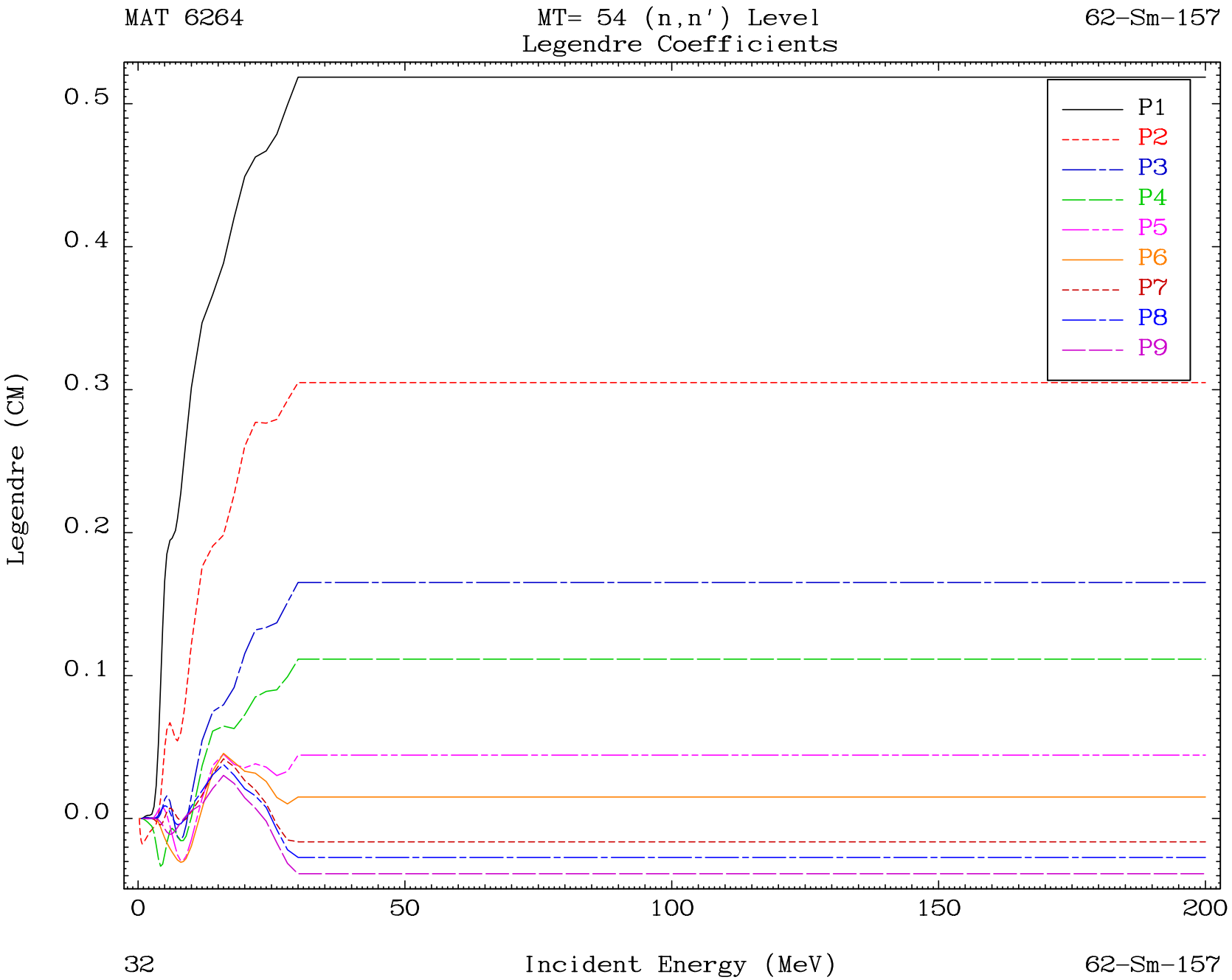

MAT 6264
MT= 52 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
27
Incident Energy (MeV)
62-Sm-157

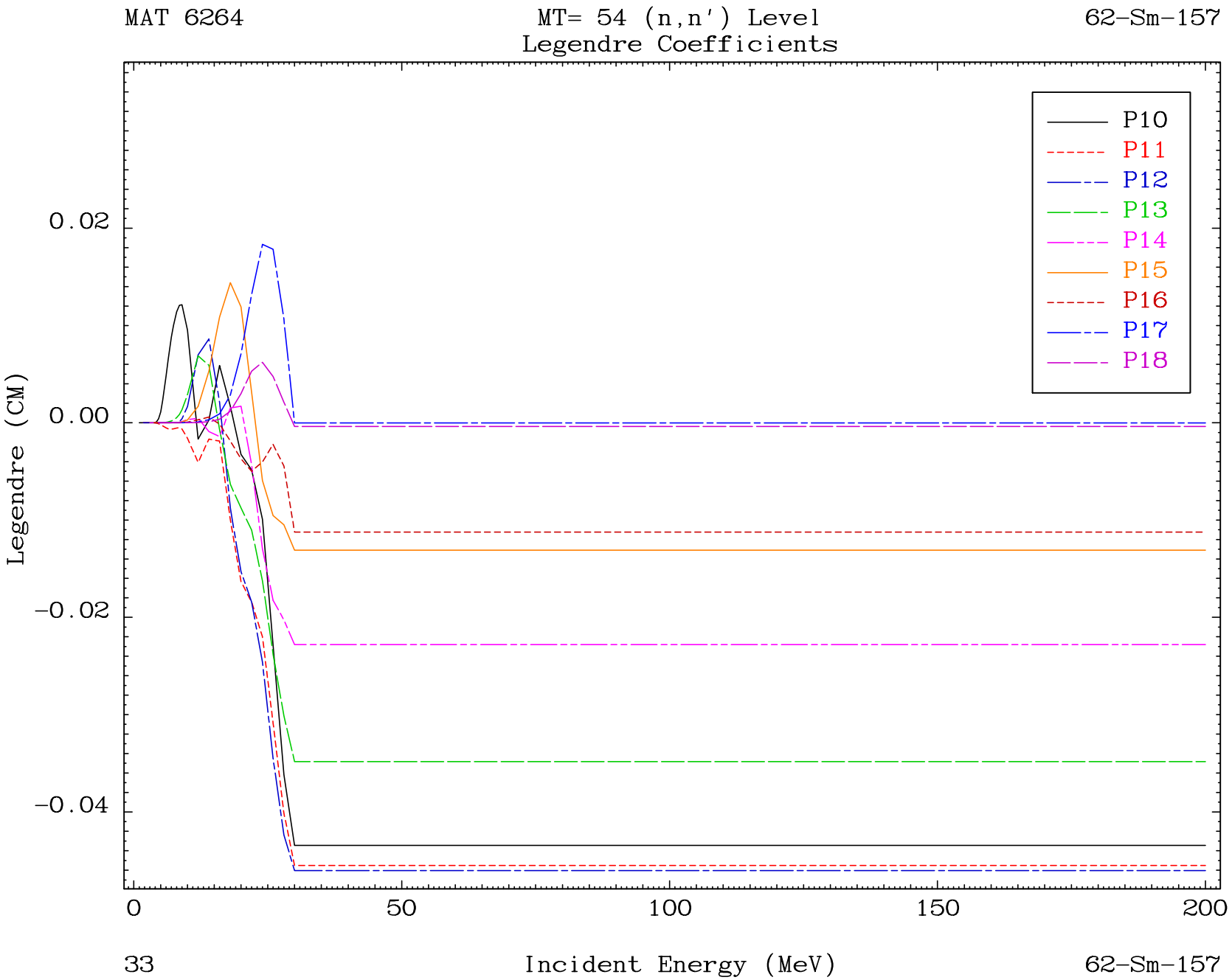

MAT 6264
MT= 53 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
28
Incident Energy (MeV)
62-Sm-157

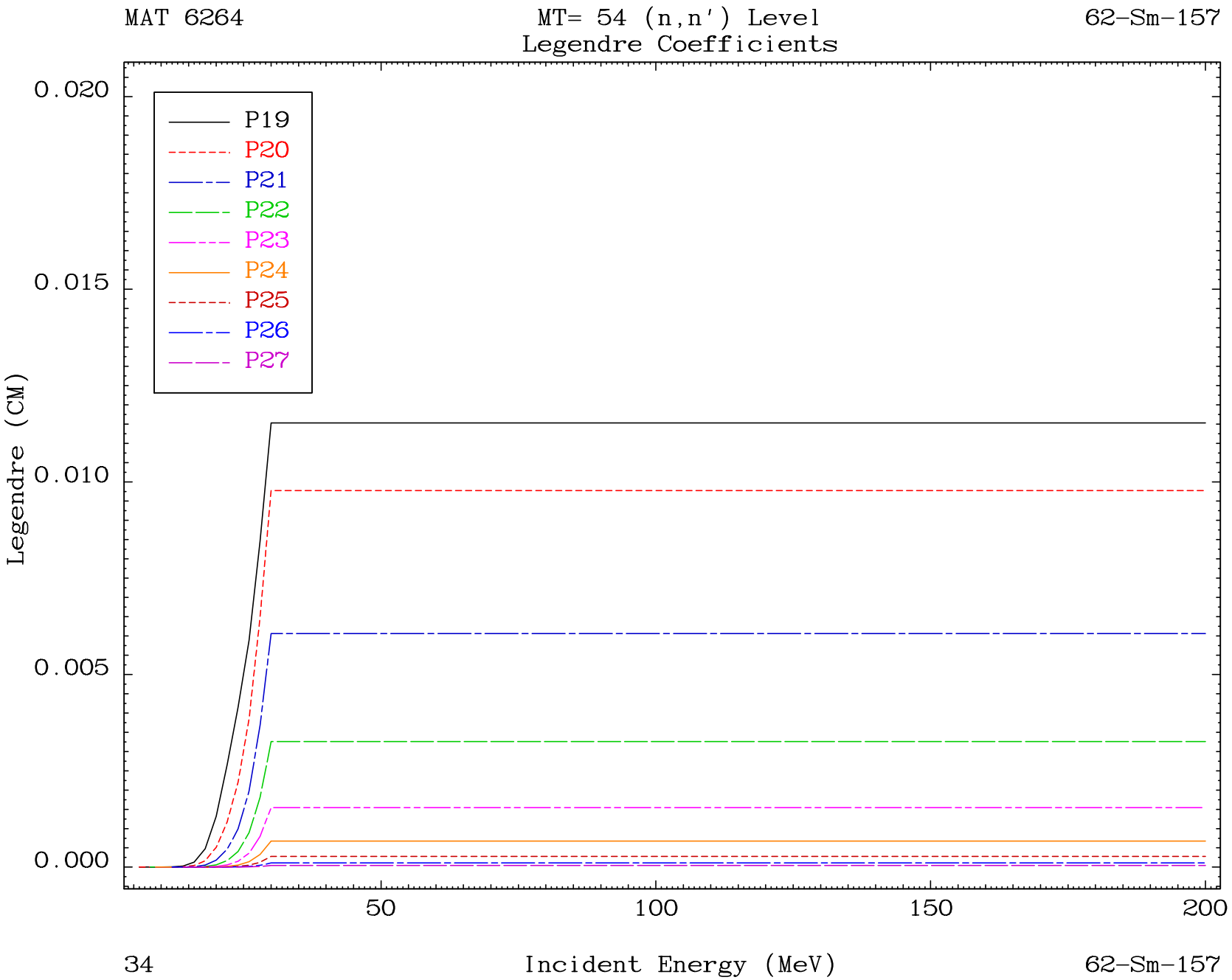

MAT 6264
MT= 53 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
62-Sm-157

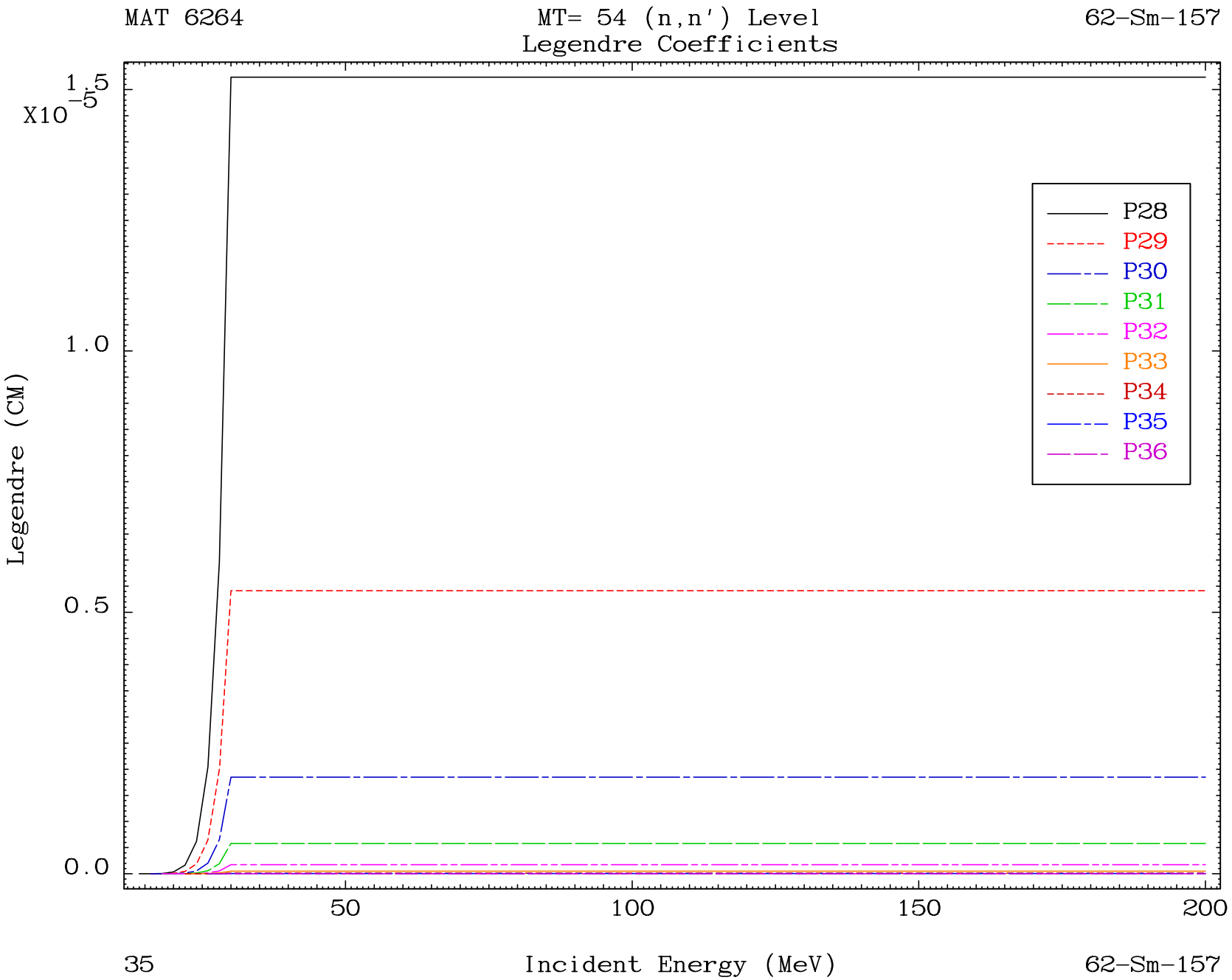

MAT 6264
MT= 53 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
30
50
100
150
200
Incident Energy (MeV)
62-Sm-157

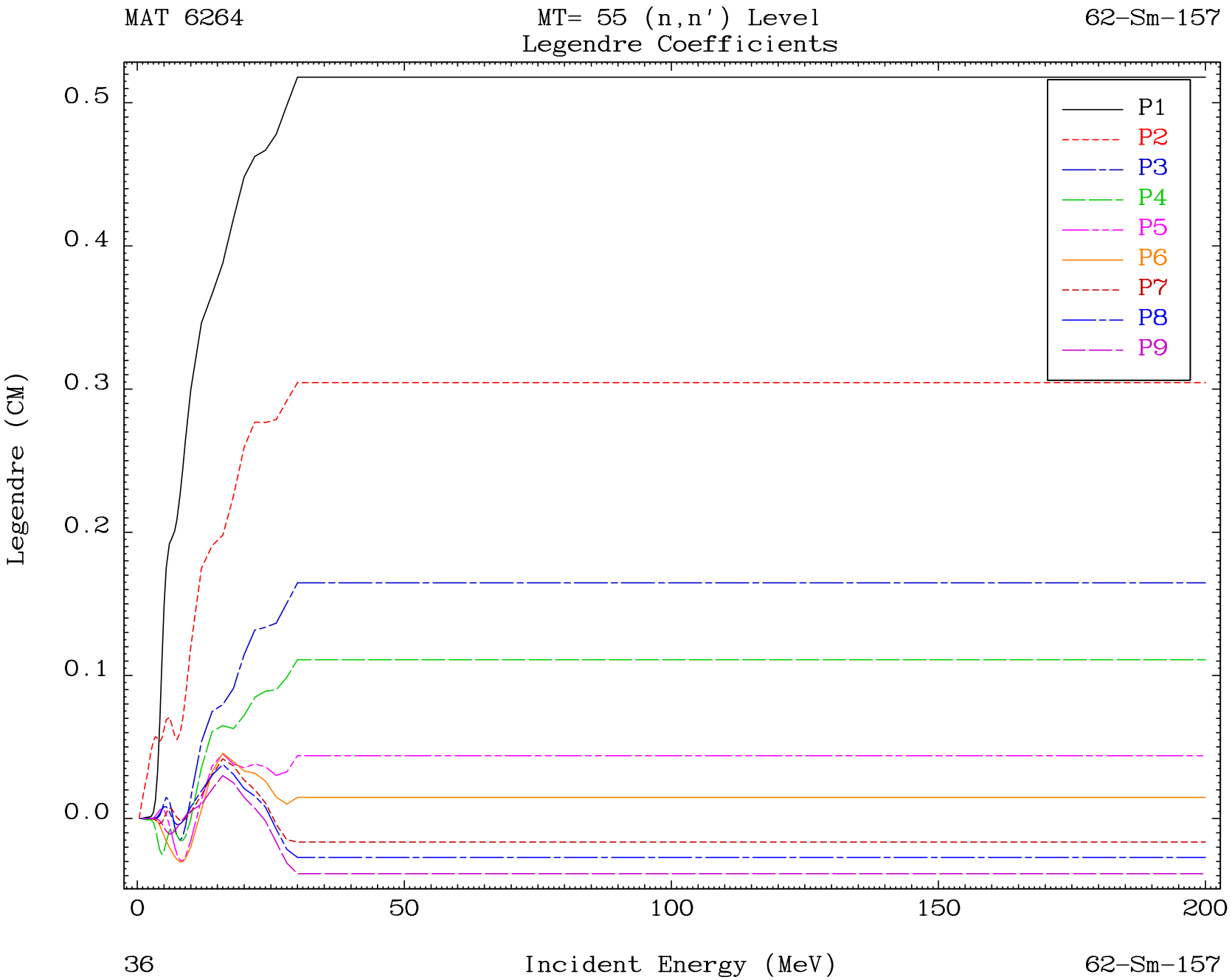

MAT 6264
MT= 53 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
31
Incident Energy (MeV)
62-Sm-157

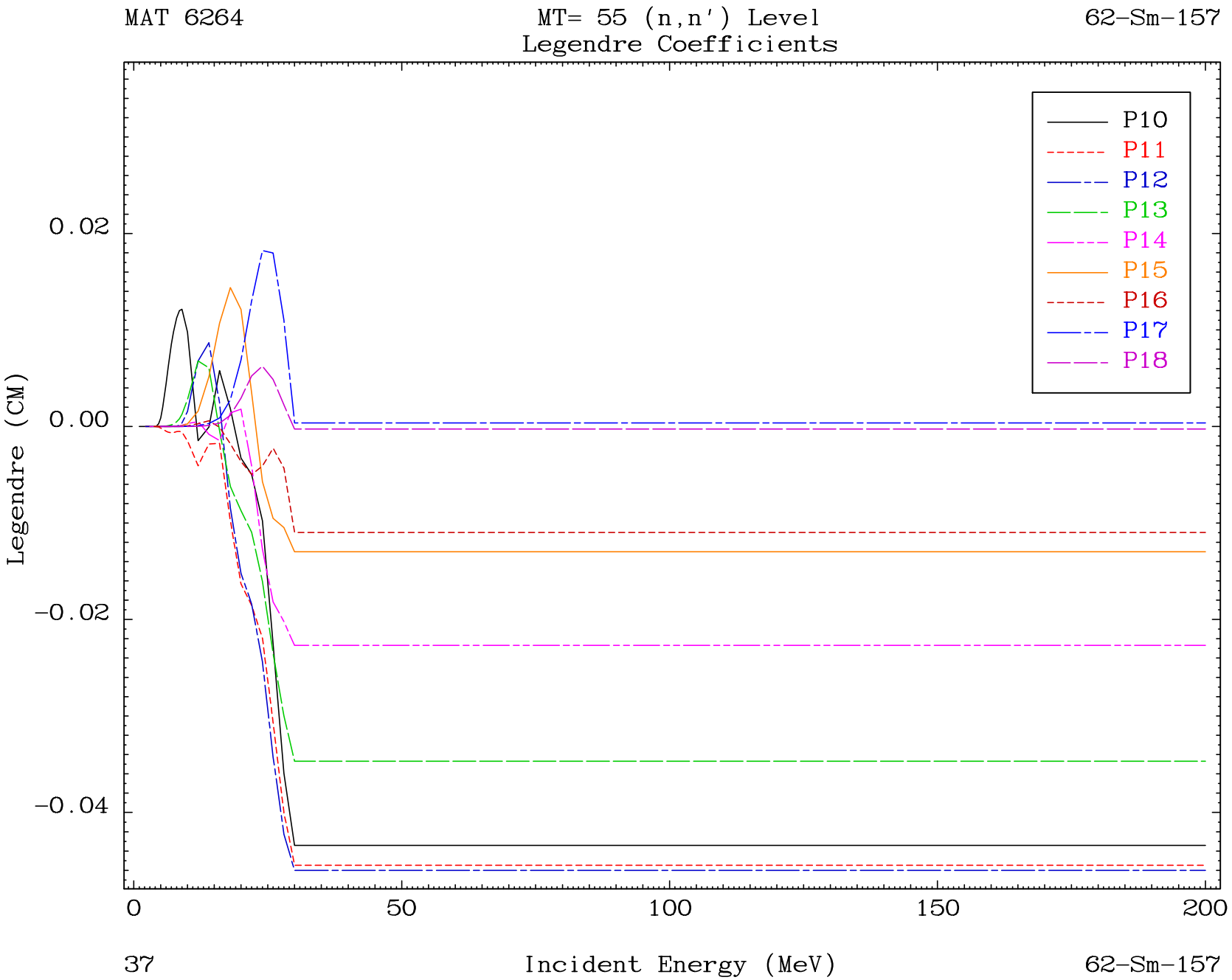

MAT 6264
MT= 54 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
32
Incident Energy (MeV)
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

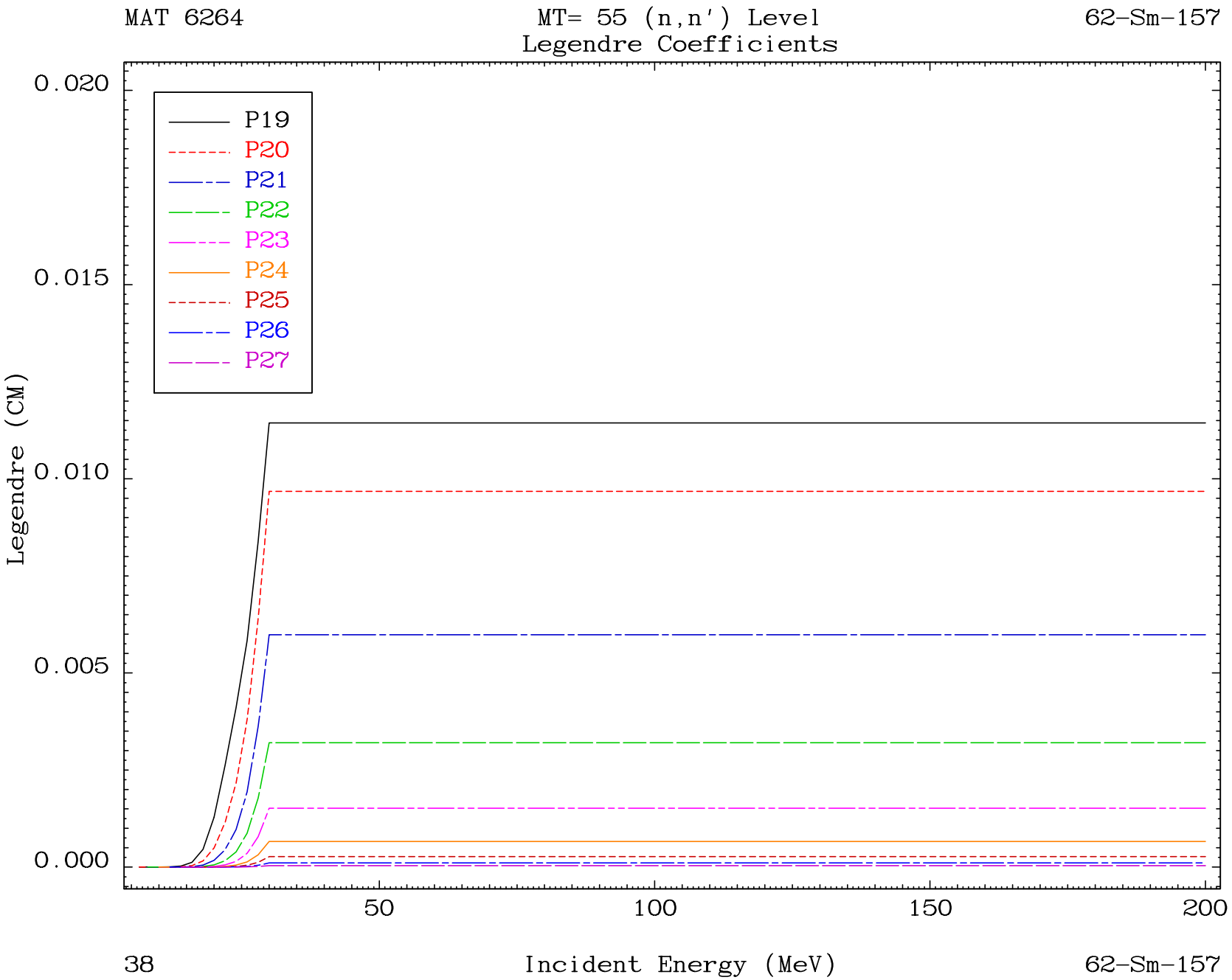

MAT 6264
MT= 54 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
62-Sm-157

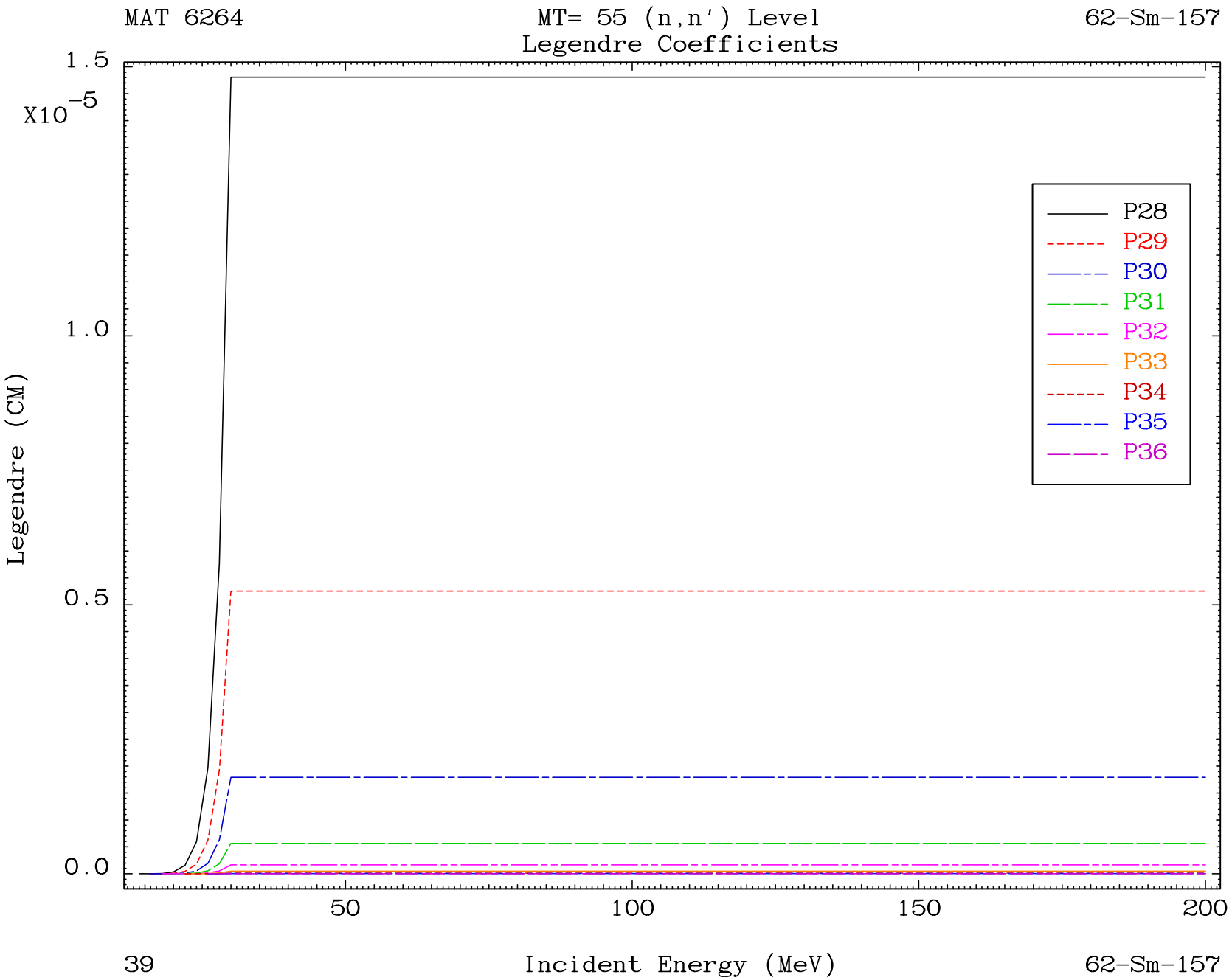

MAT 6264
MT= 54 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
62-Sm-157

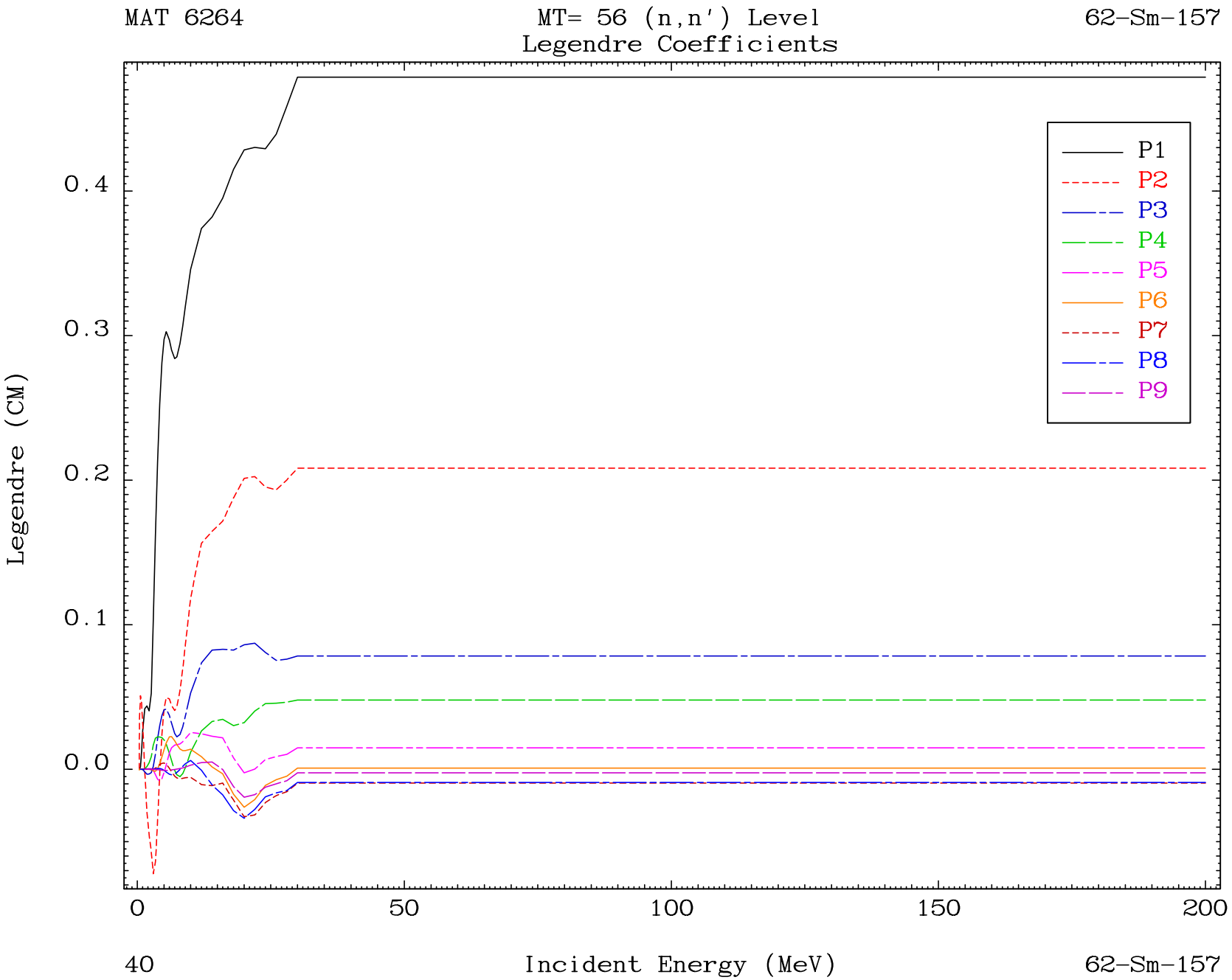

MAT 6264
MT= 54 (n,n') Level
Legendre Coefficients
62-Sm-157
X10 -5
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
35
50
100
150
200
Incident Energy (MeV)
62-Sm-157

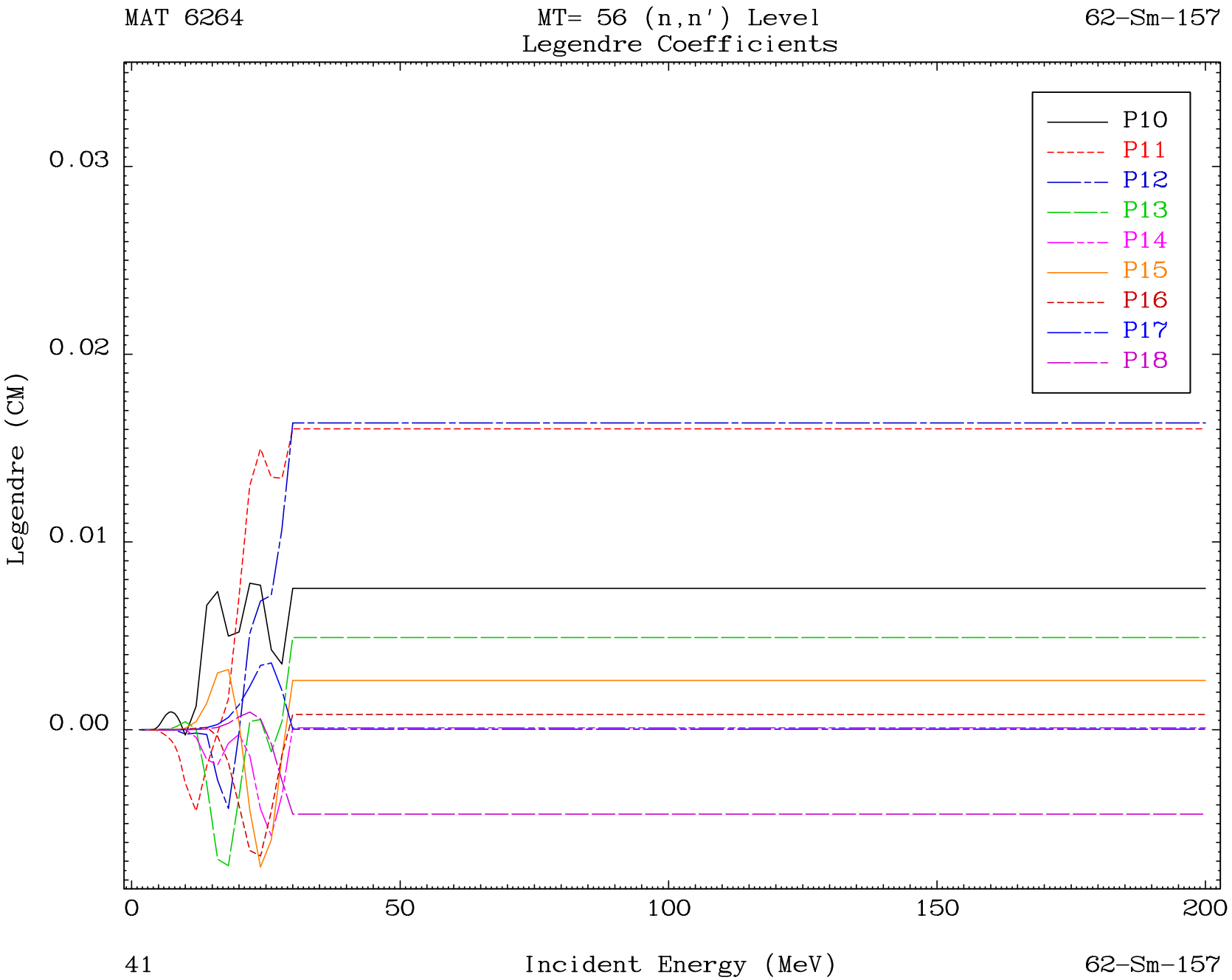

MAT 6264
MT= 55 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
36
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

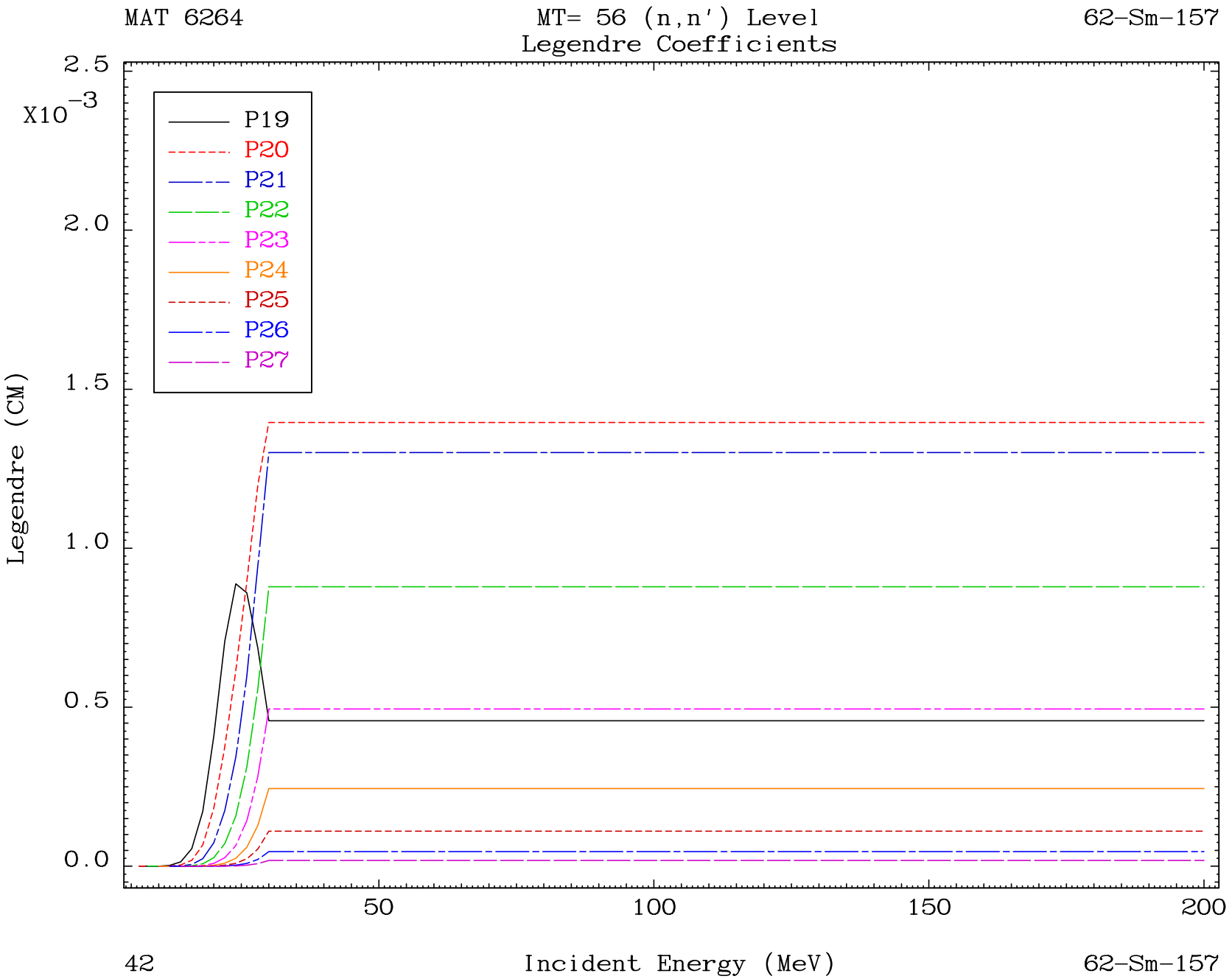

MAT 6264
MT= 55 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
62-Sm-157

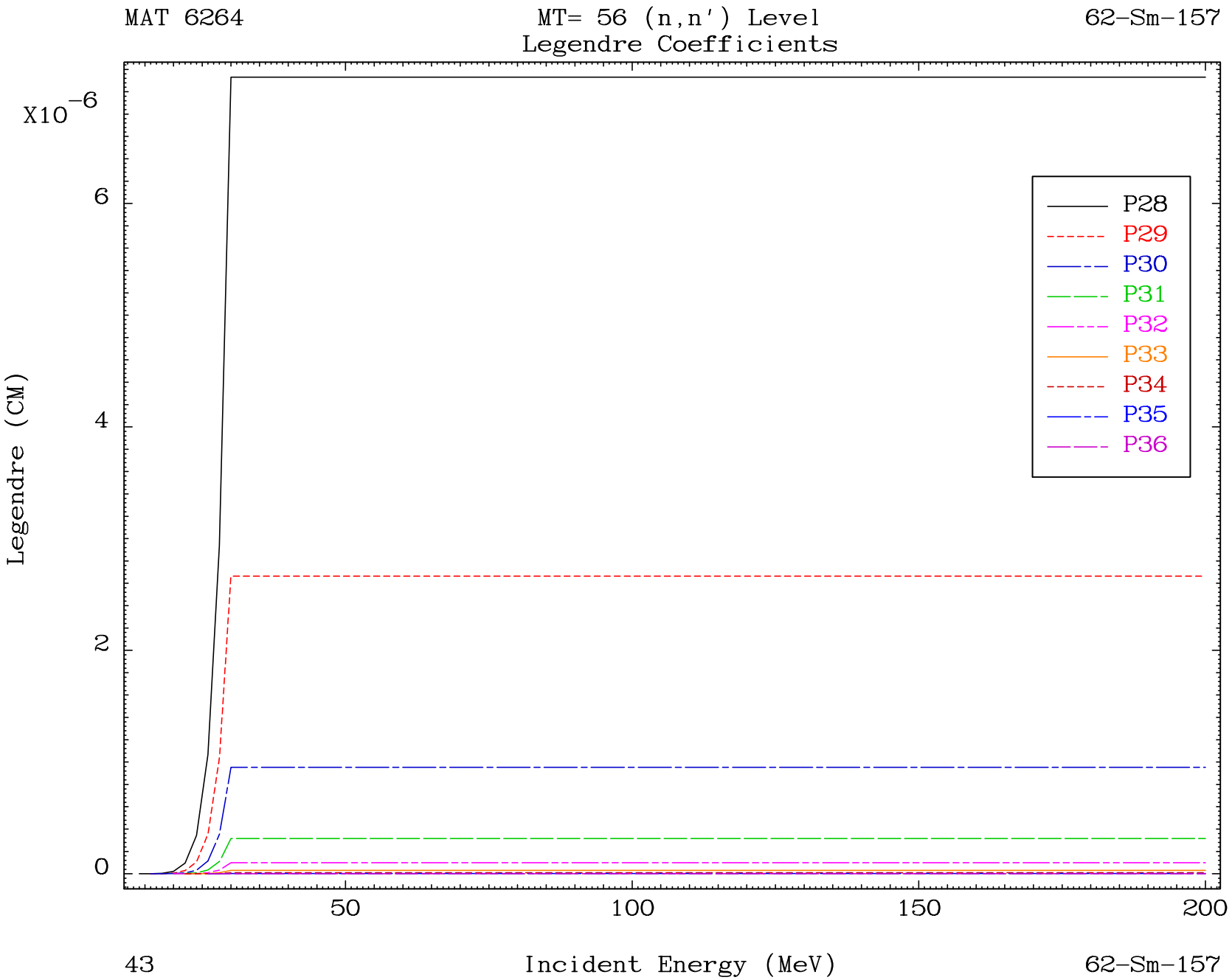

MAT 6264
MT= 55 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
62-Sm-157

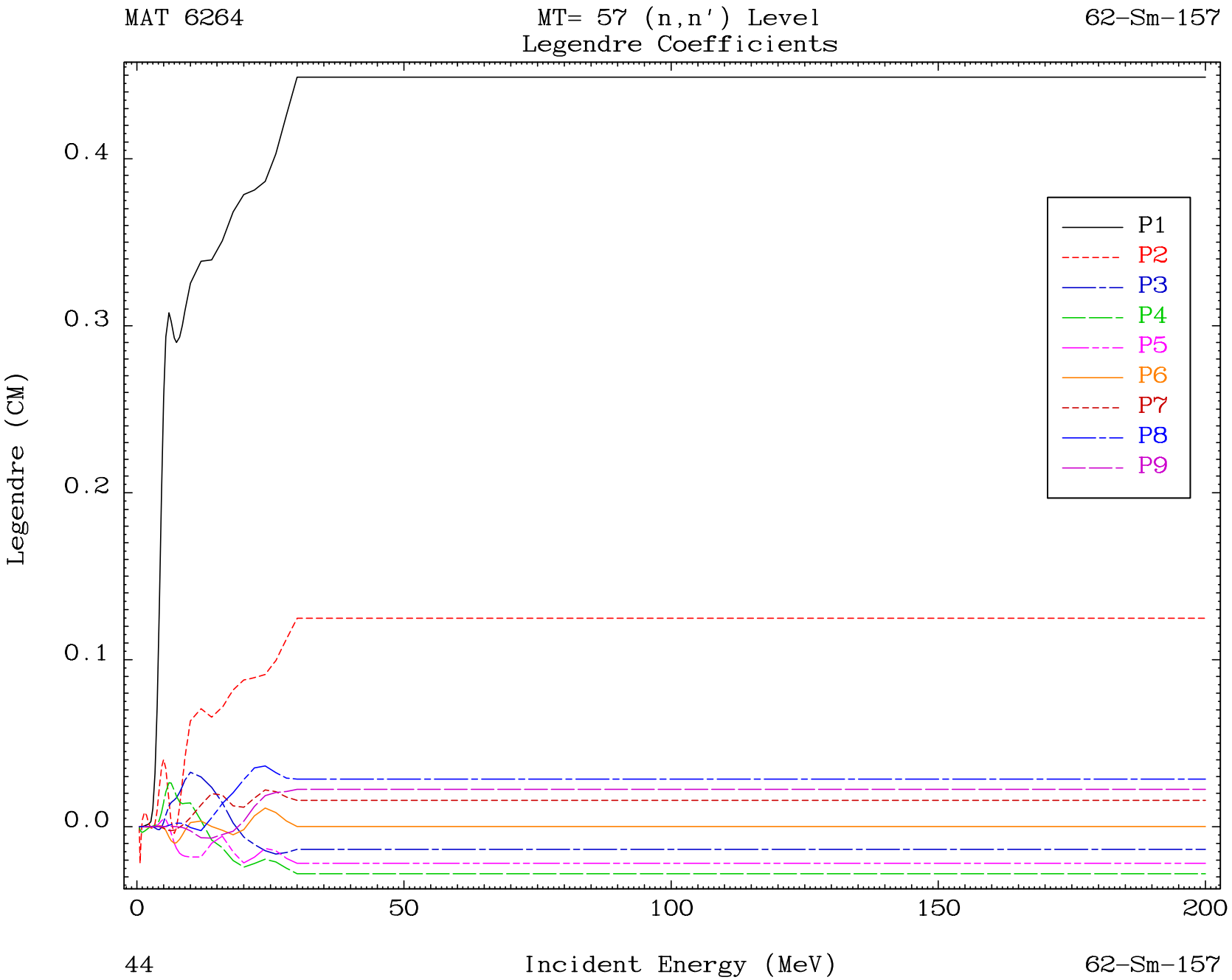

MAT 6264
MT= 55 (n,n') Level
Legendre Coefficients
62-Sm-157
1.5
X10-5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
39
Incident Energy (MeV)
62-Sm-157

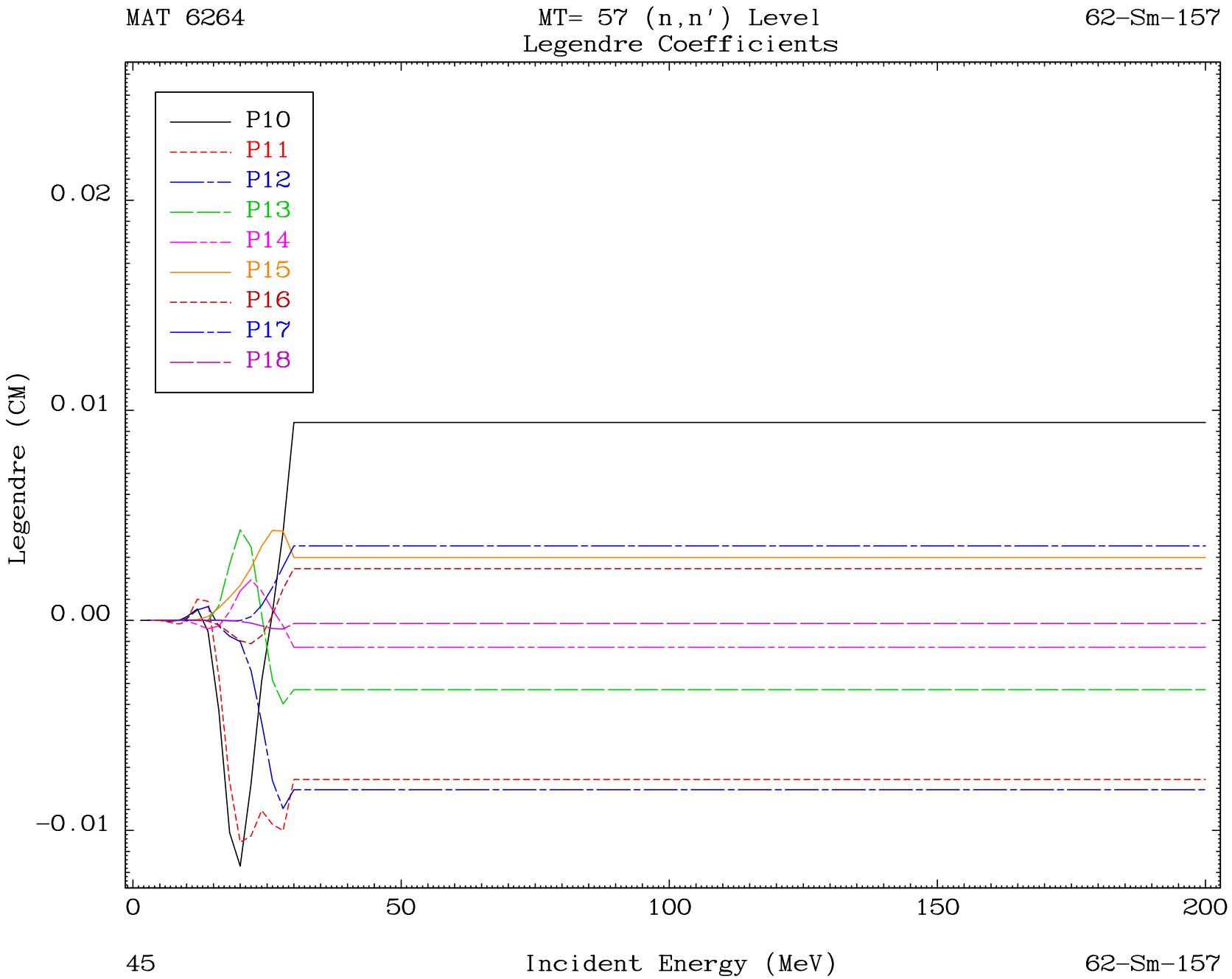

MAT 6264
MT= 56 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
62-Sm-157

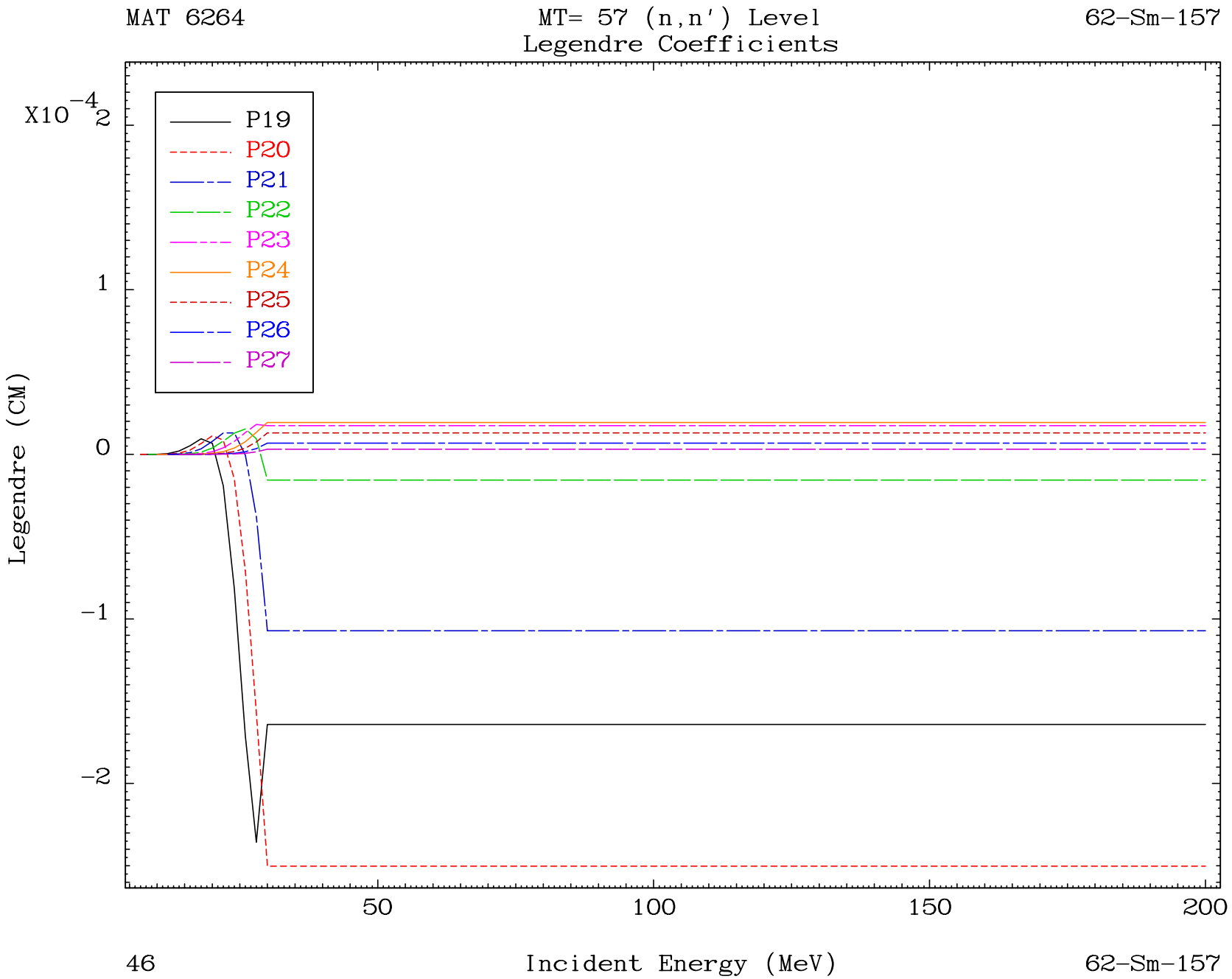

MAT 6264
MT= 56 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
62-Sm-157

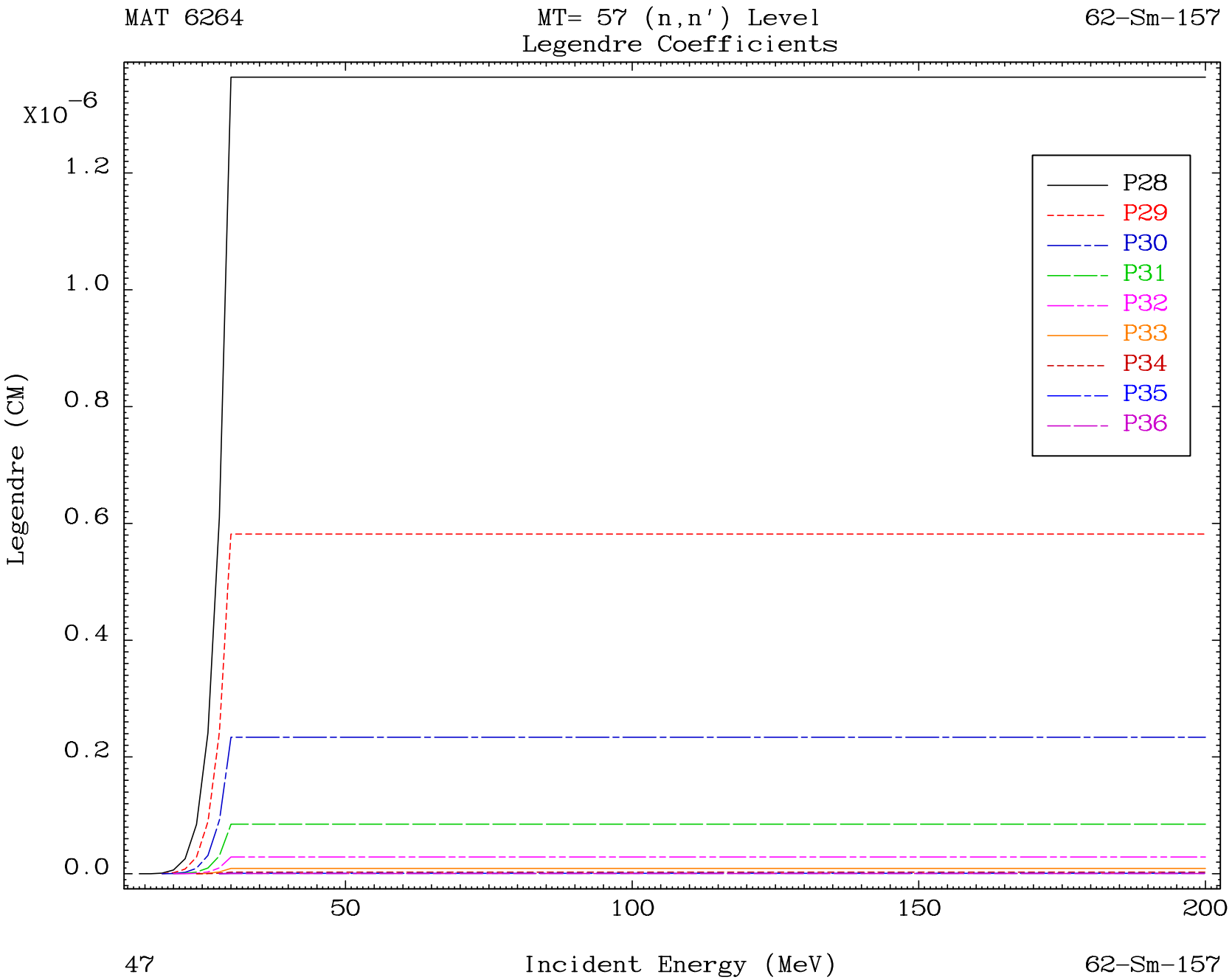

MAT 6264
MT= 56 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
42
Incident Energy (MeV)
62-Sm-157

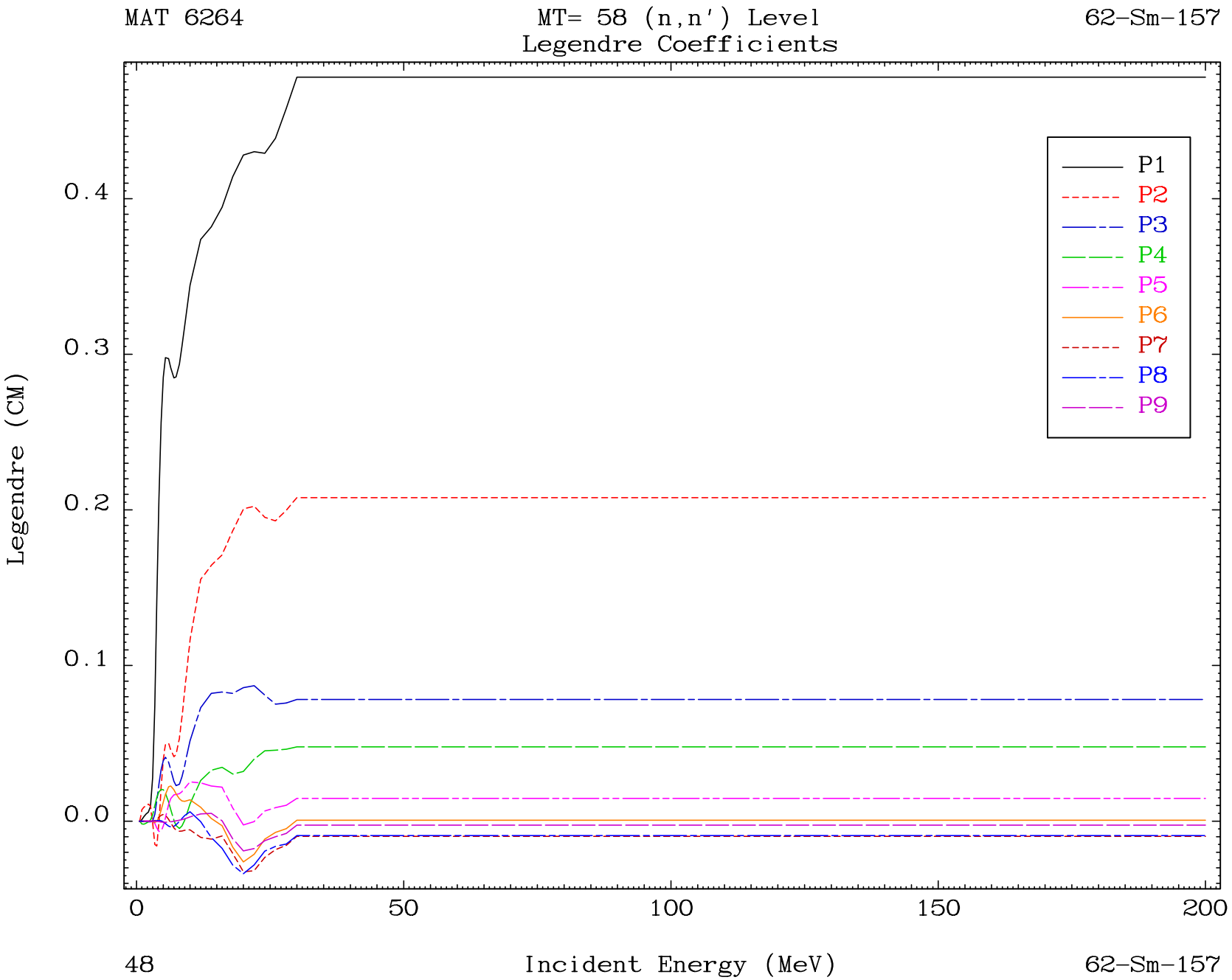

MAT 6264
MT= 56 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
43
Incident Energy (MeV)
62-Sm-157

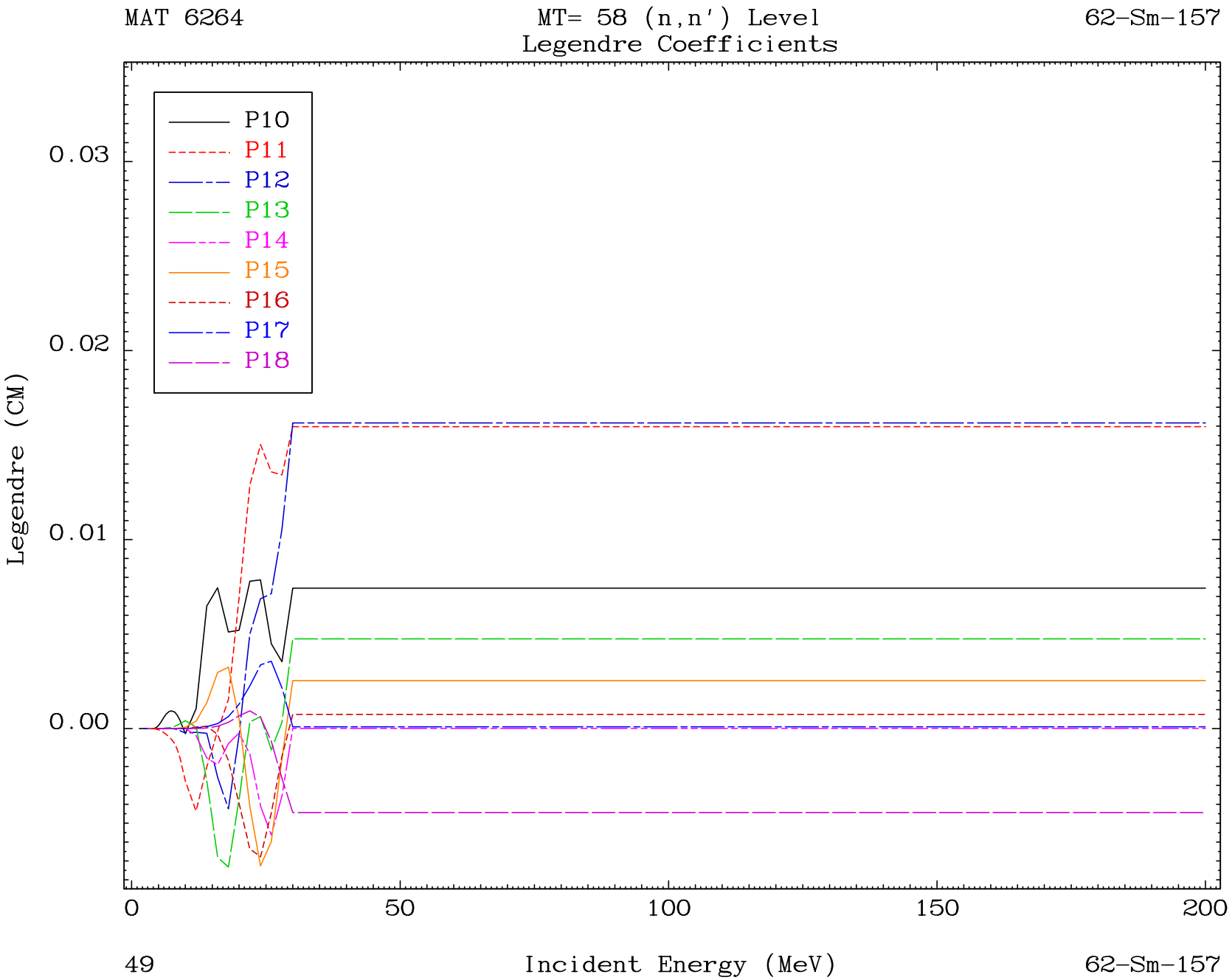

MAT 6264
MT= 57 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
62-Sm-157

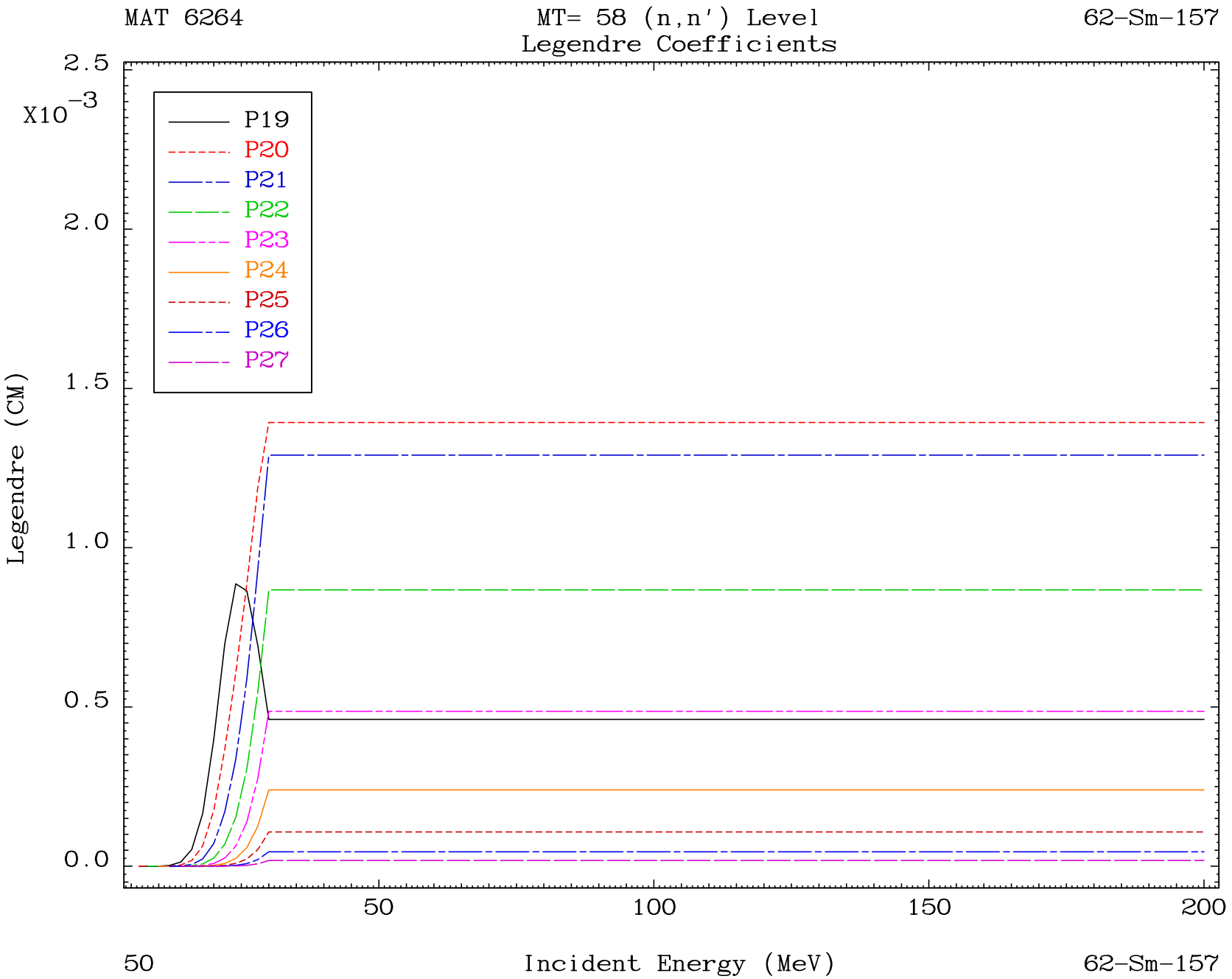

MAT 6264
MT= 57 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
62-Sm-157

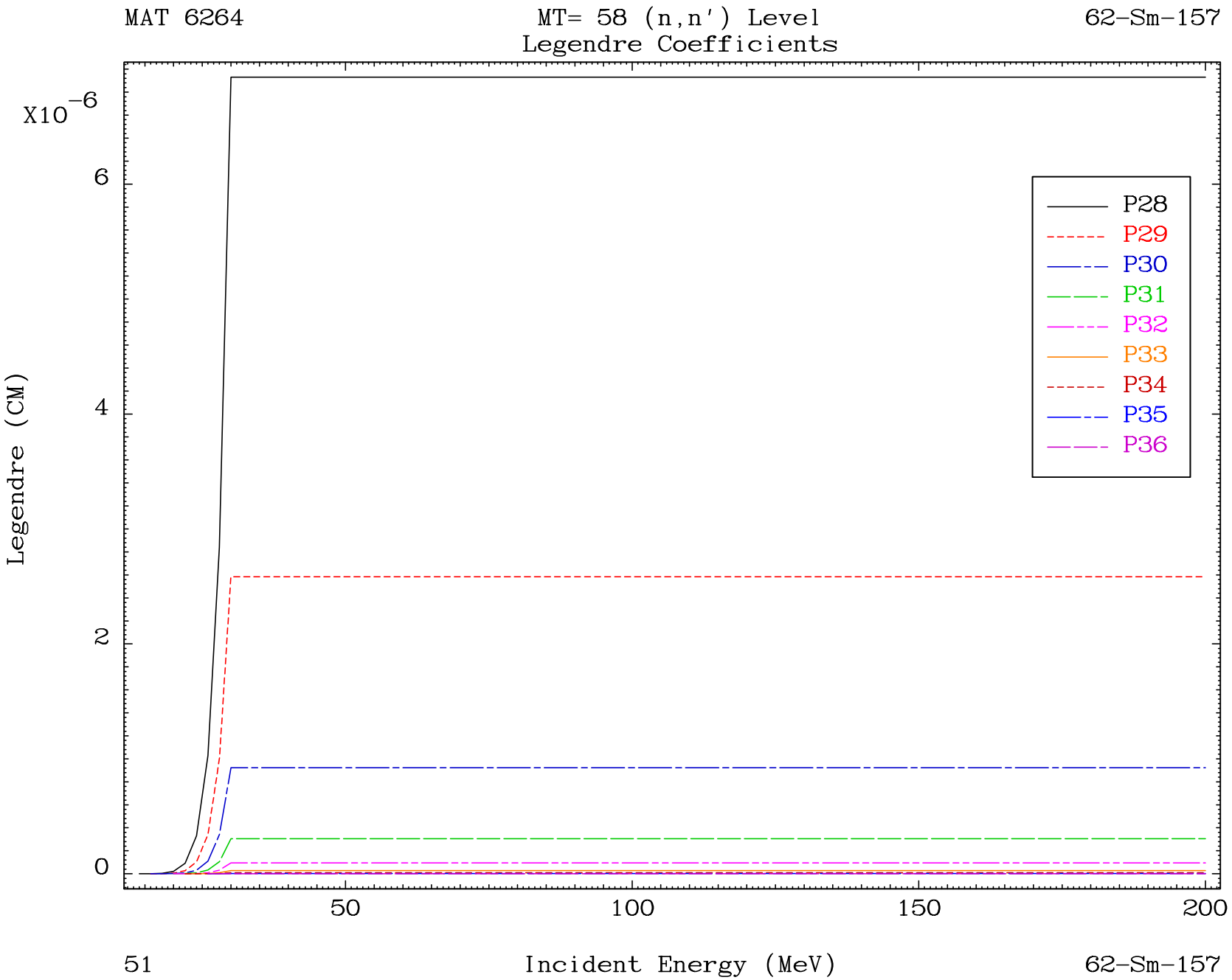

MAT 6264
MT= 57 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
2
1
0
-1
-2
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
62-Sm-157

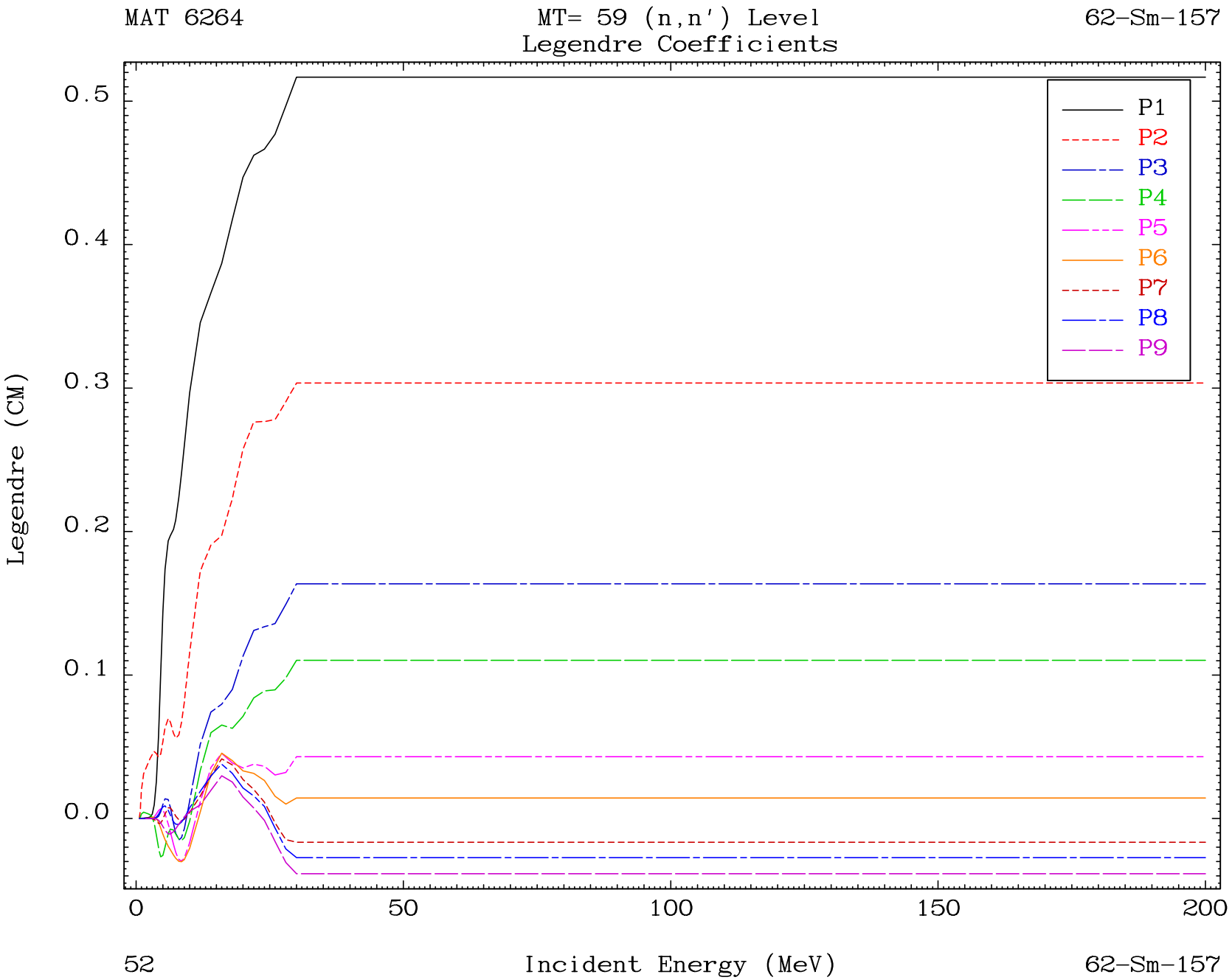

MAT 6264
MT= 57 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
47
Incident Energy (MeV)
62-Sm-157

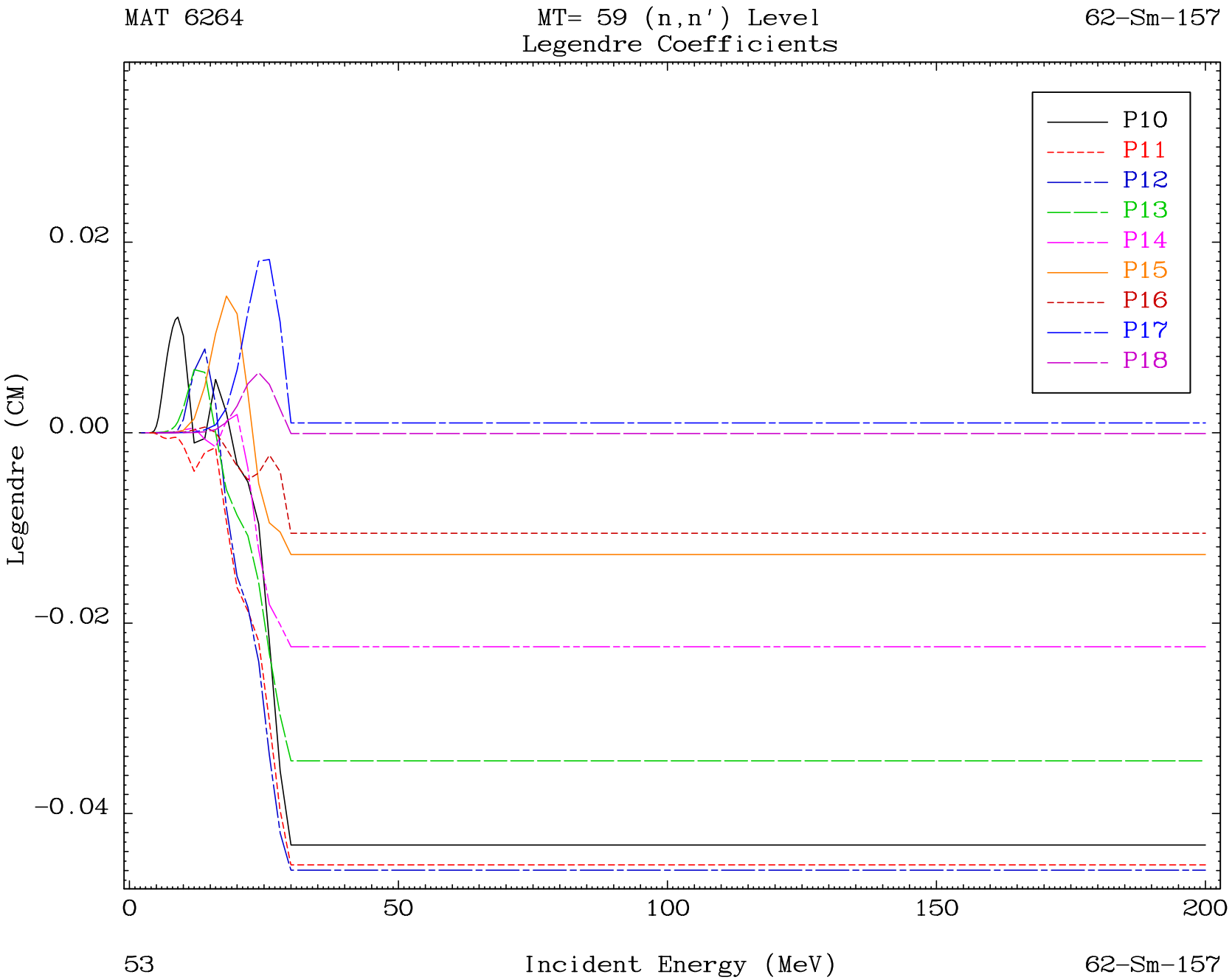

MAT 6264
MT= 58 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
48
Incident Energy (MeV)
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

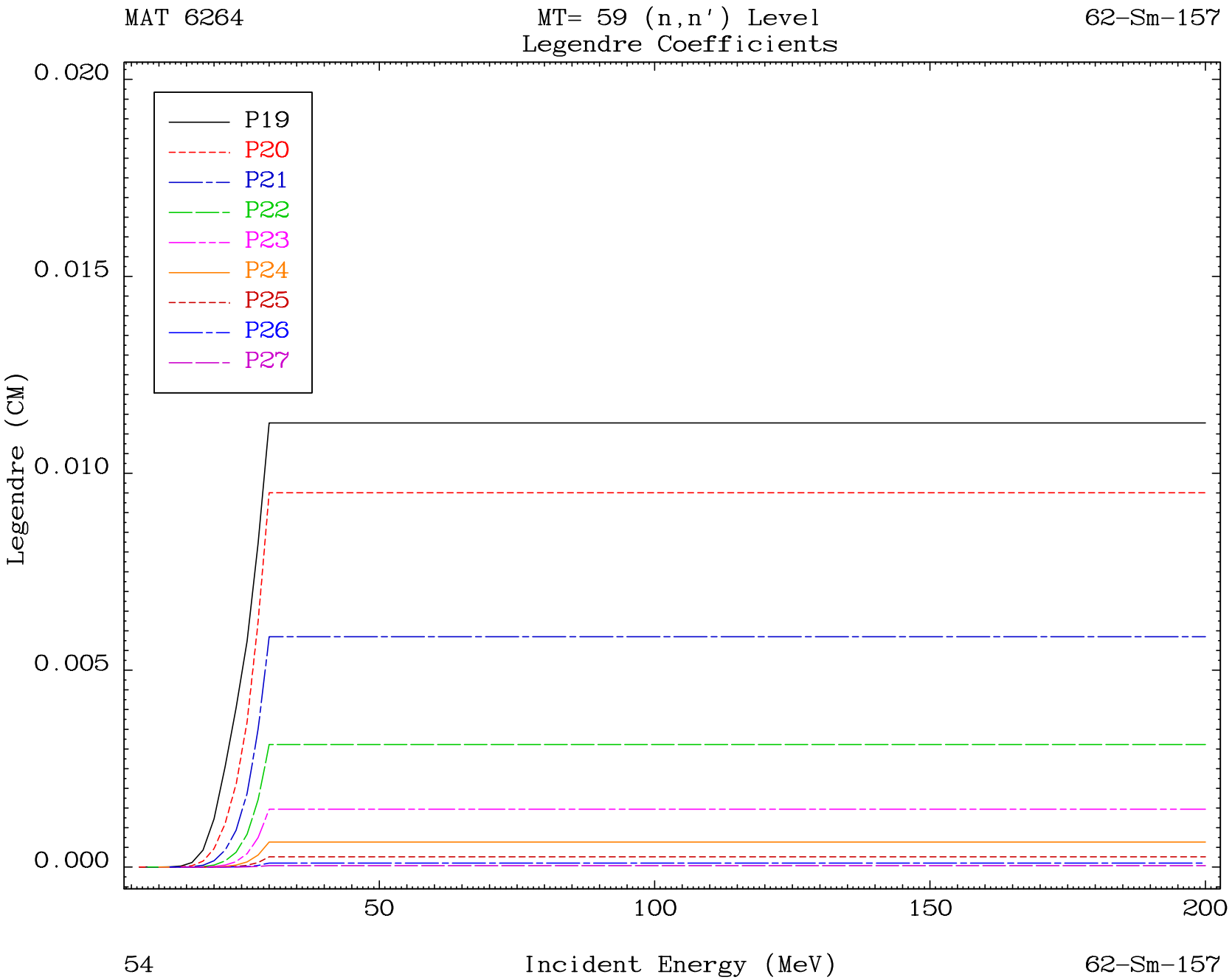

MAT 6264
MT= 58 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
62-Sm-157

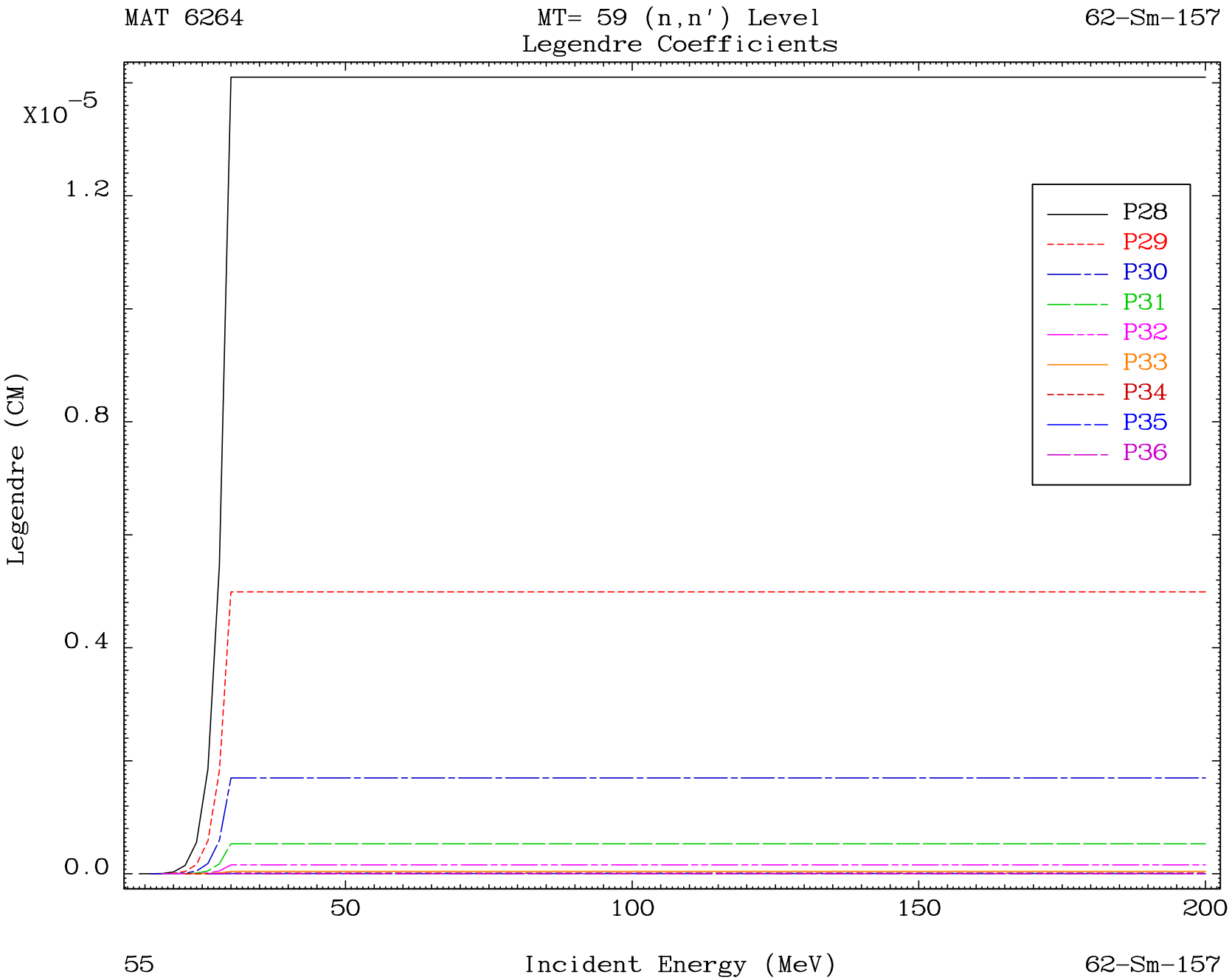

MAT 6264
MT= 58 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
50
Incident Energy (MeV)
62-Sm-157

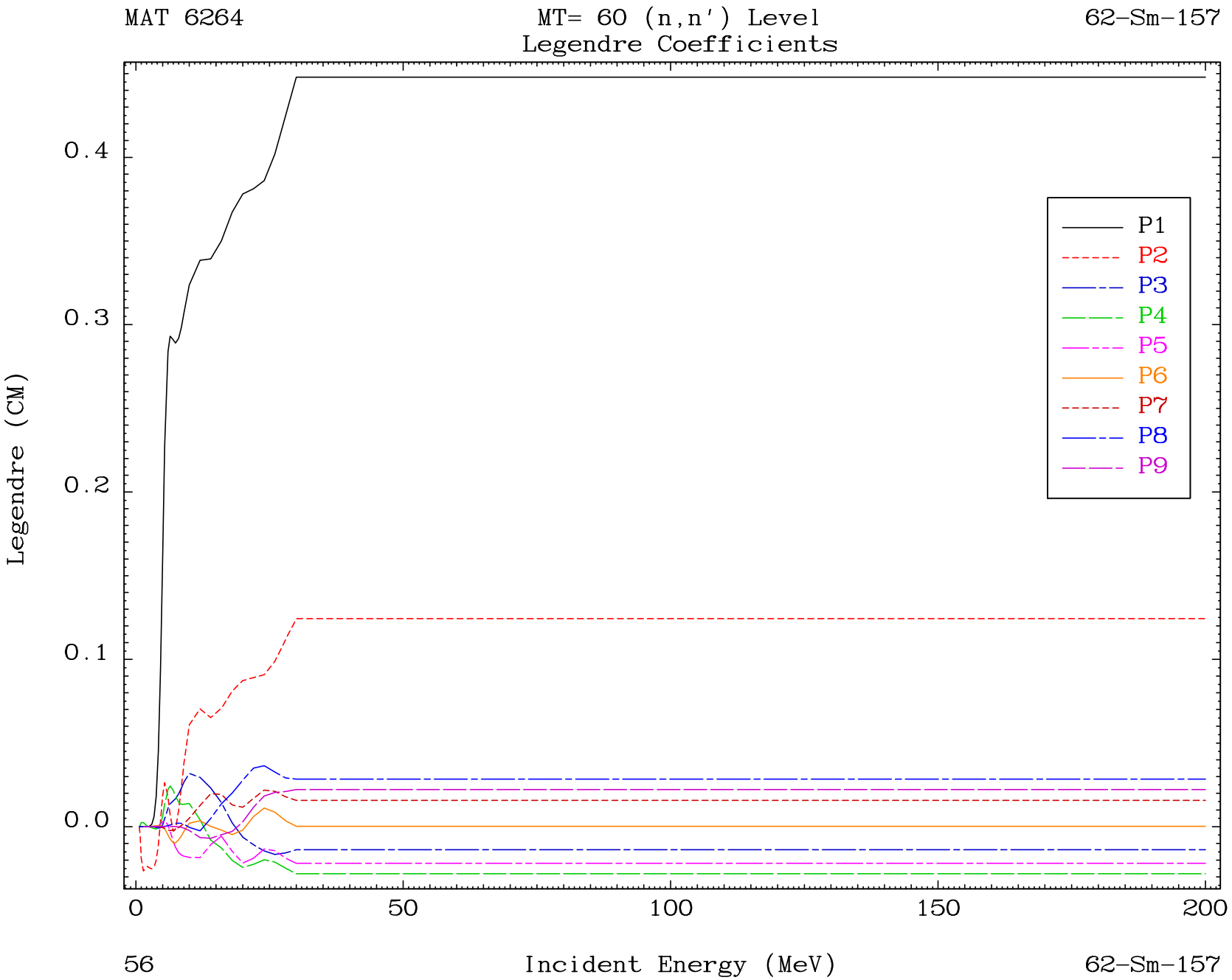

MAT 6264
MT= 58 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
51
Incident Energy (MeV)
62-Sm-157

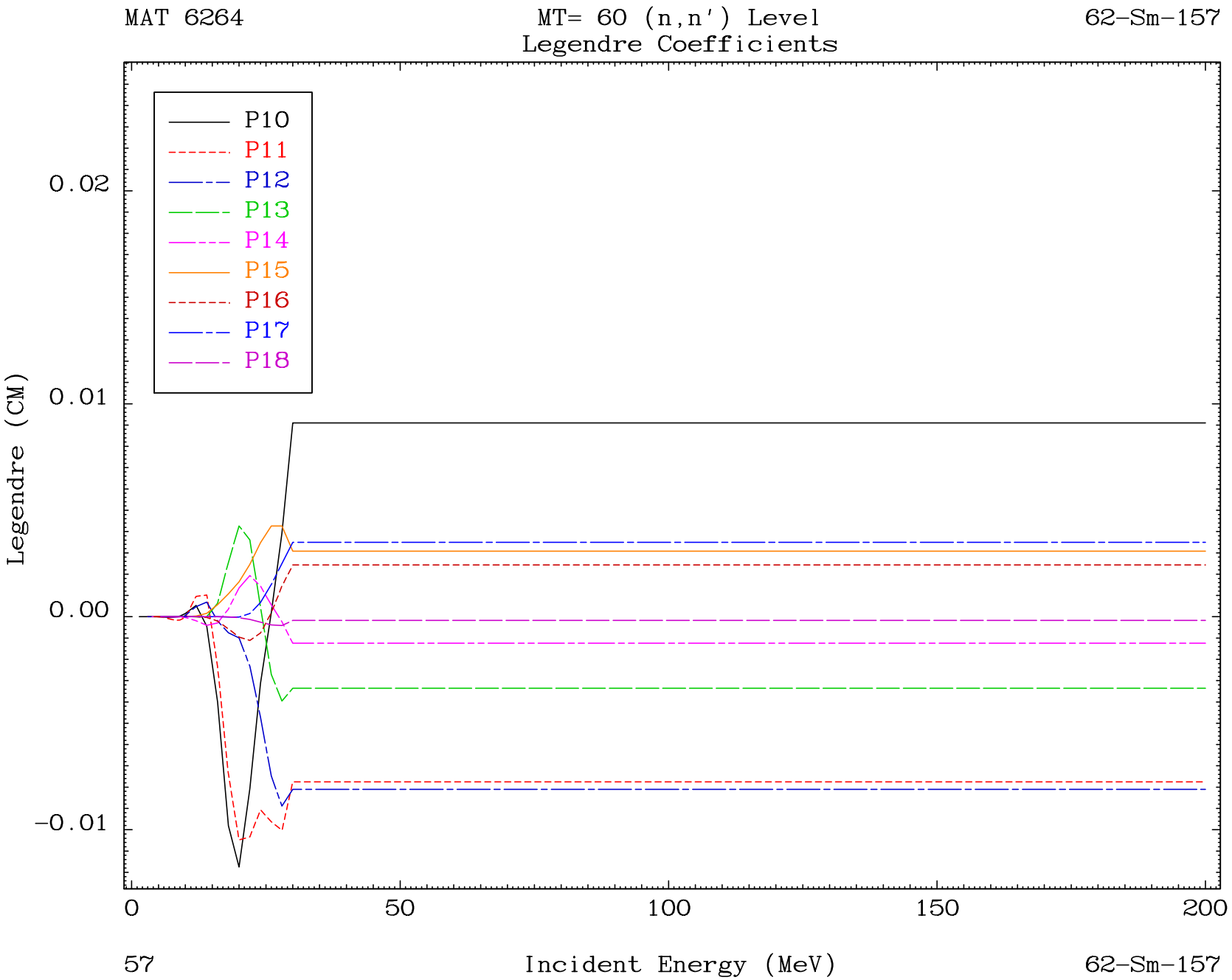

MAT 6264
MT= 59 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
52
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

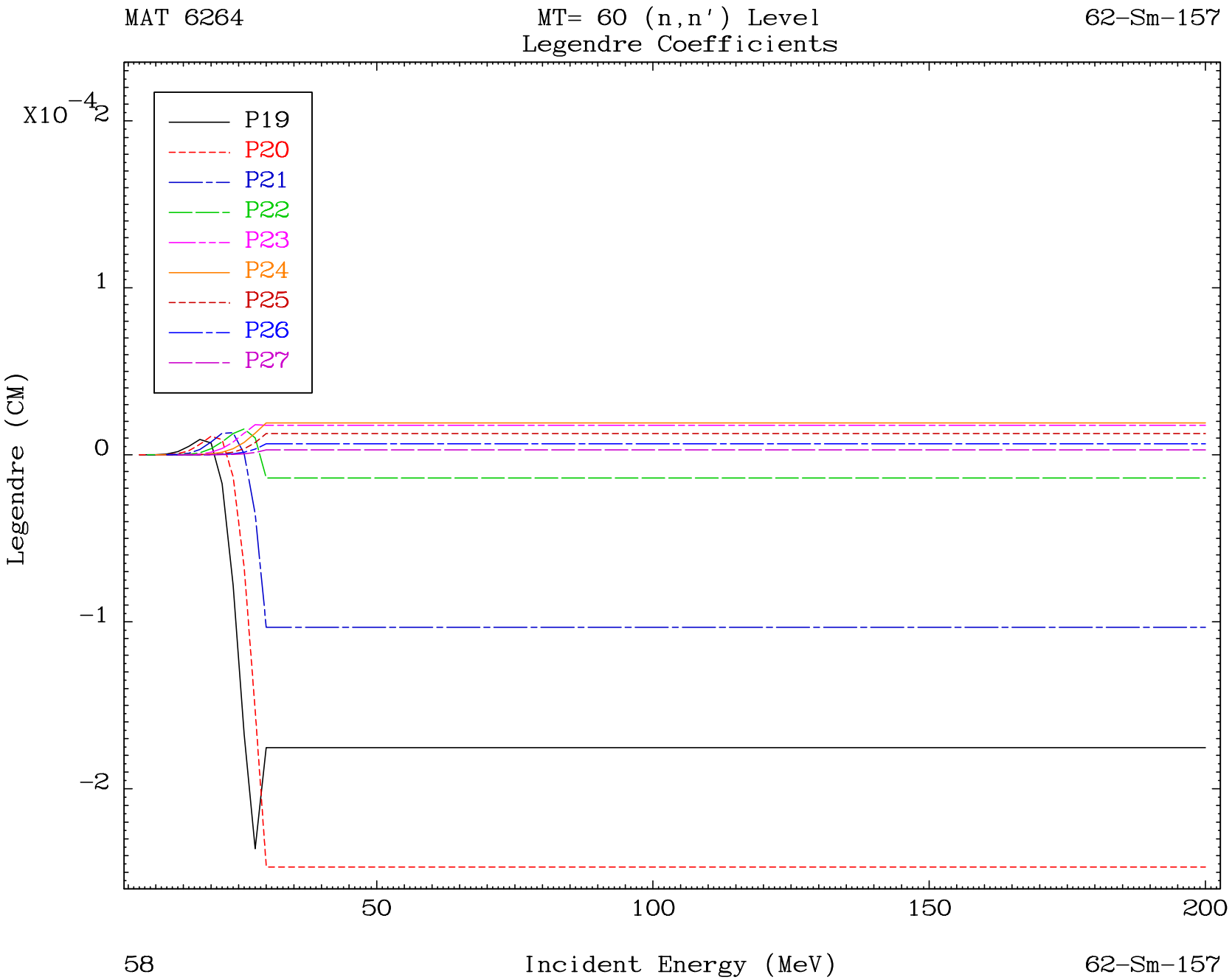

MAT 6264
MT= 59 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
62-Sm-157

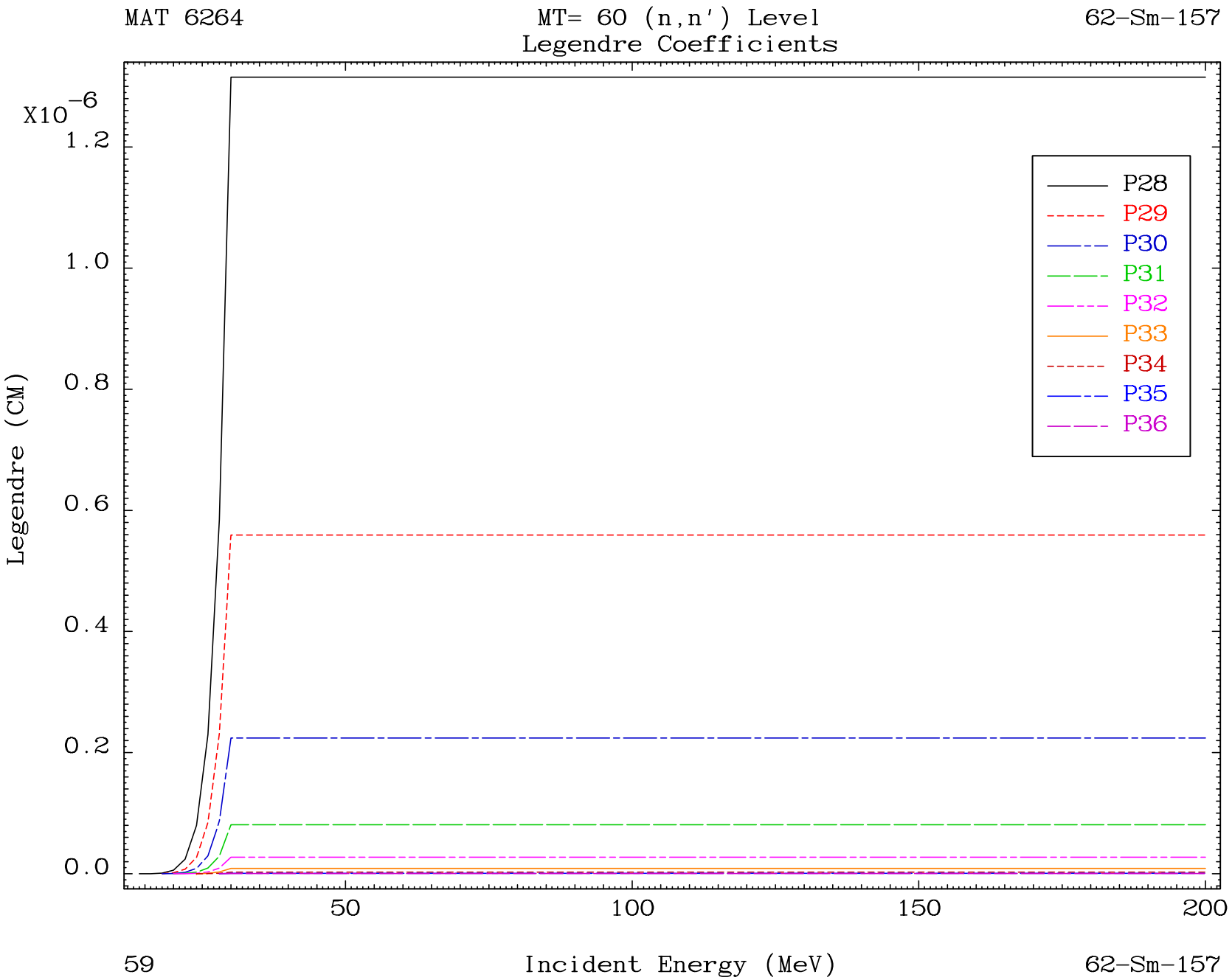

MAT 6264
MT= 59 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
62-Sm-157

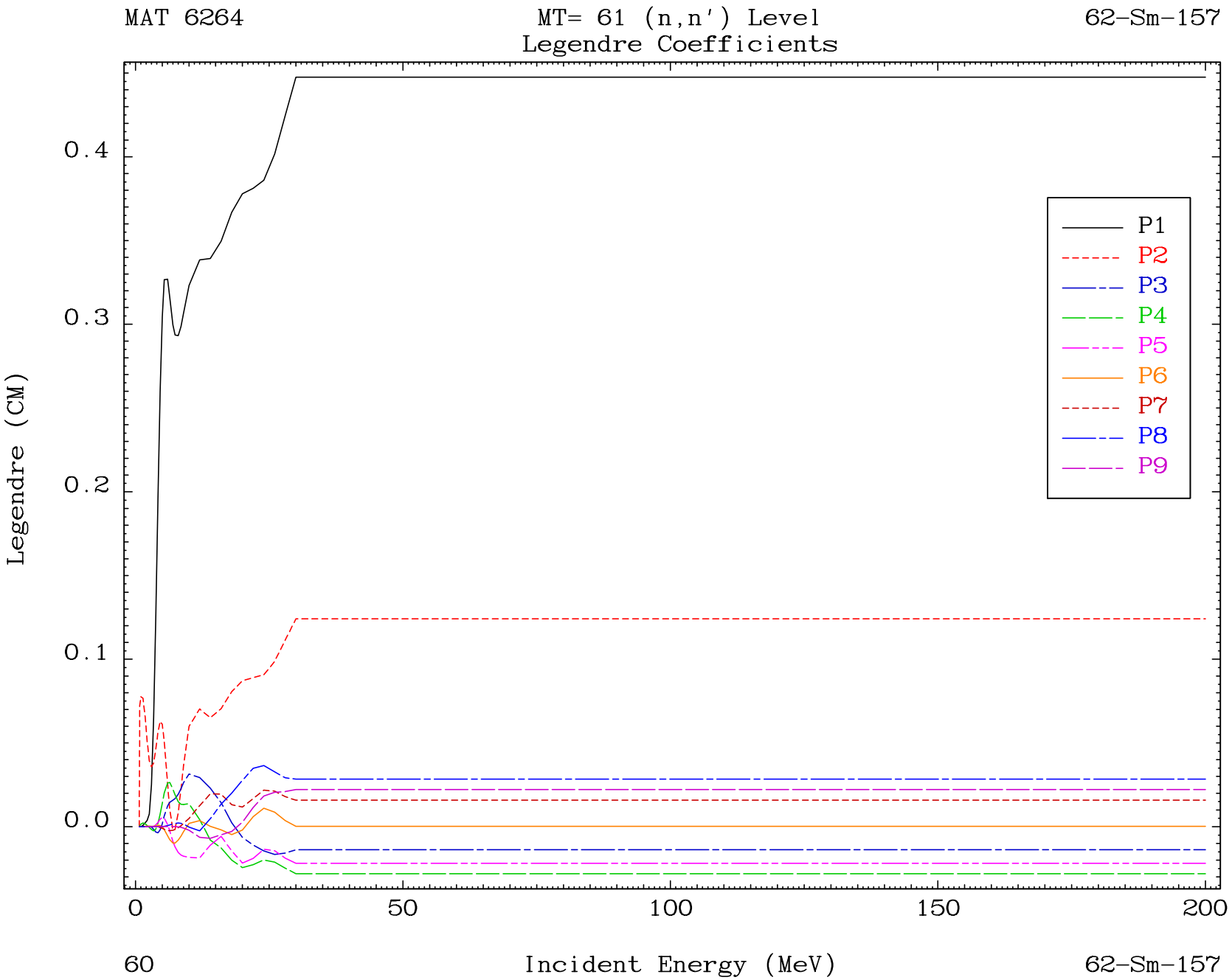

MAT 6264
MT= 59 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-5
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
55
Incident Energy (MeV)
62-Sm-157

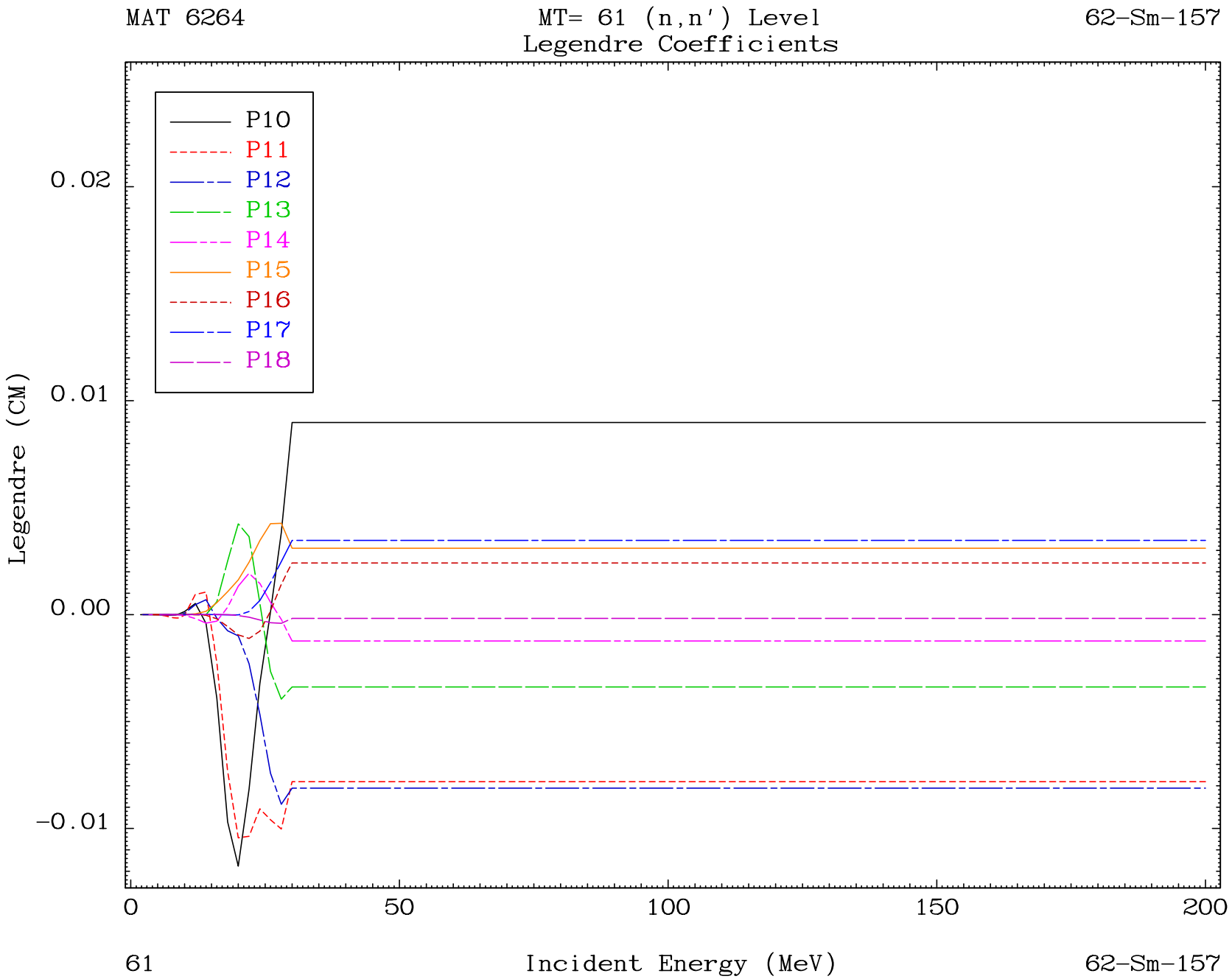

MAT 6264
MT= 60 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
56
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

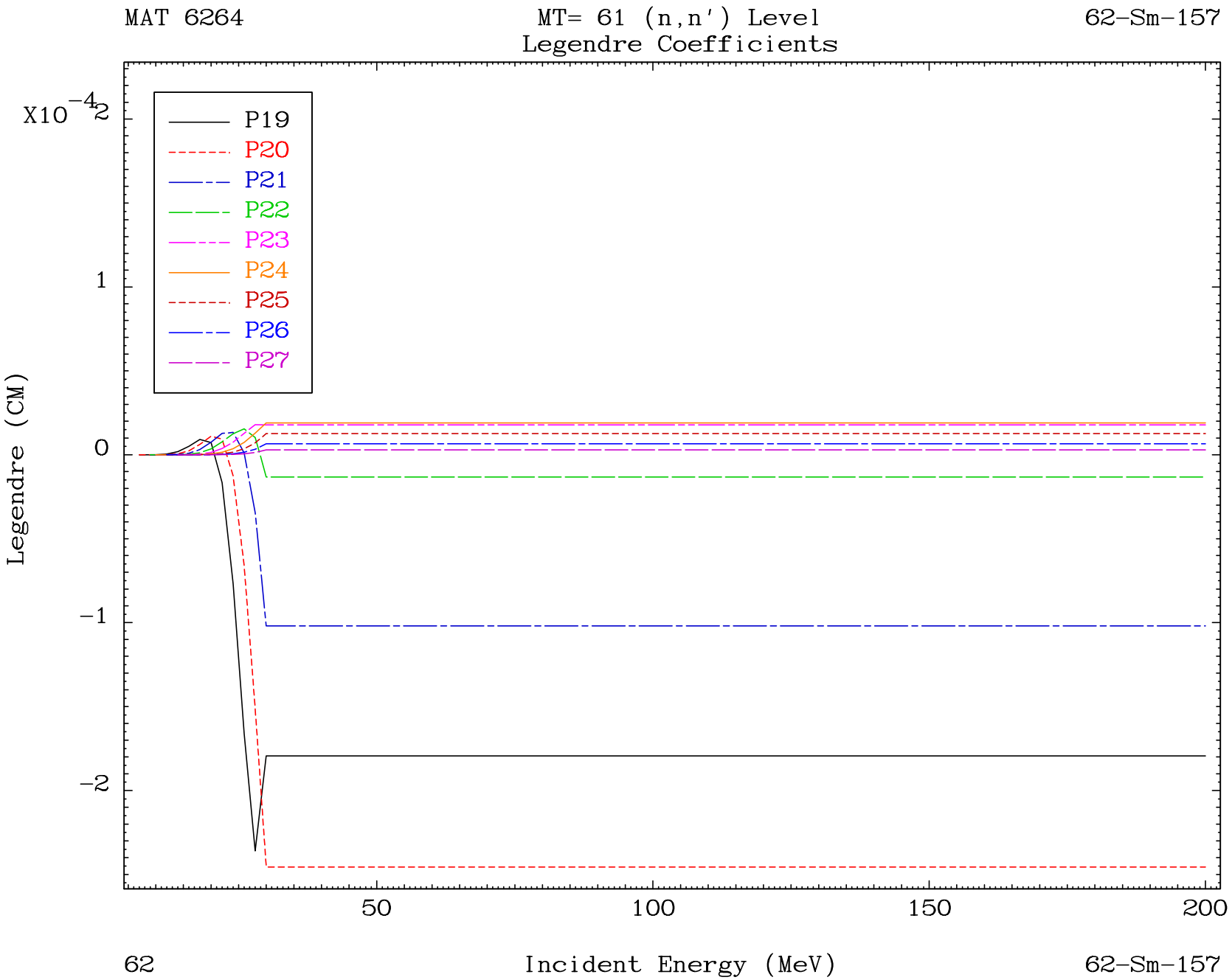

MAT 6264
MT= 60 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
62-Sm-157

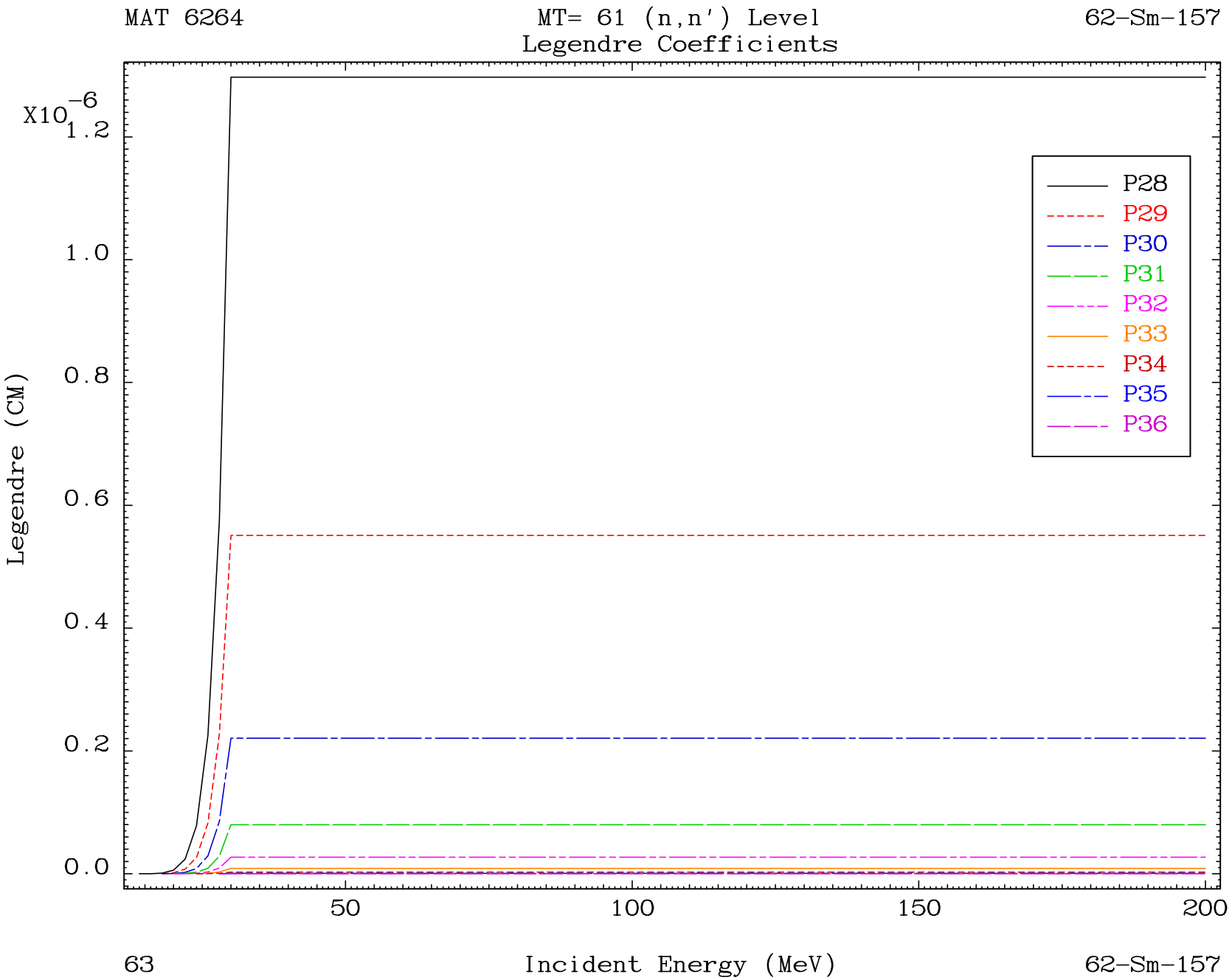

MAT 6264
MT= 60 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
2
1
0
-1
-2
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
62-Sm-157

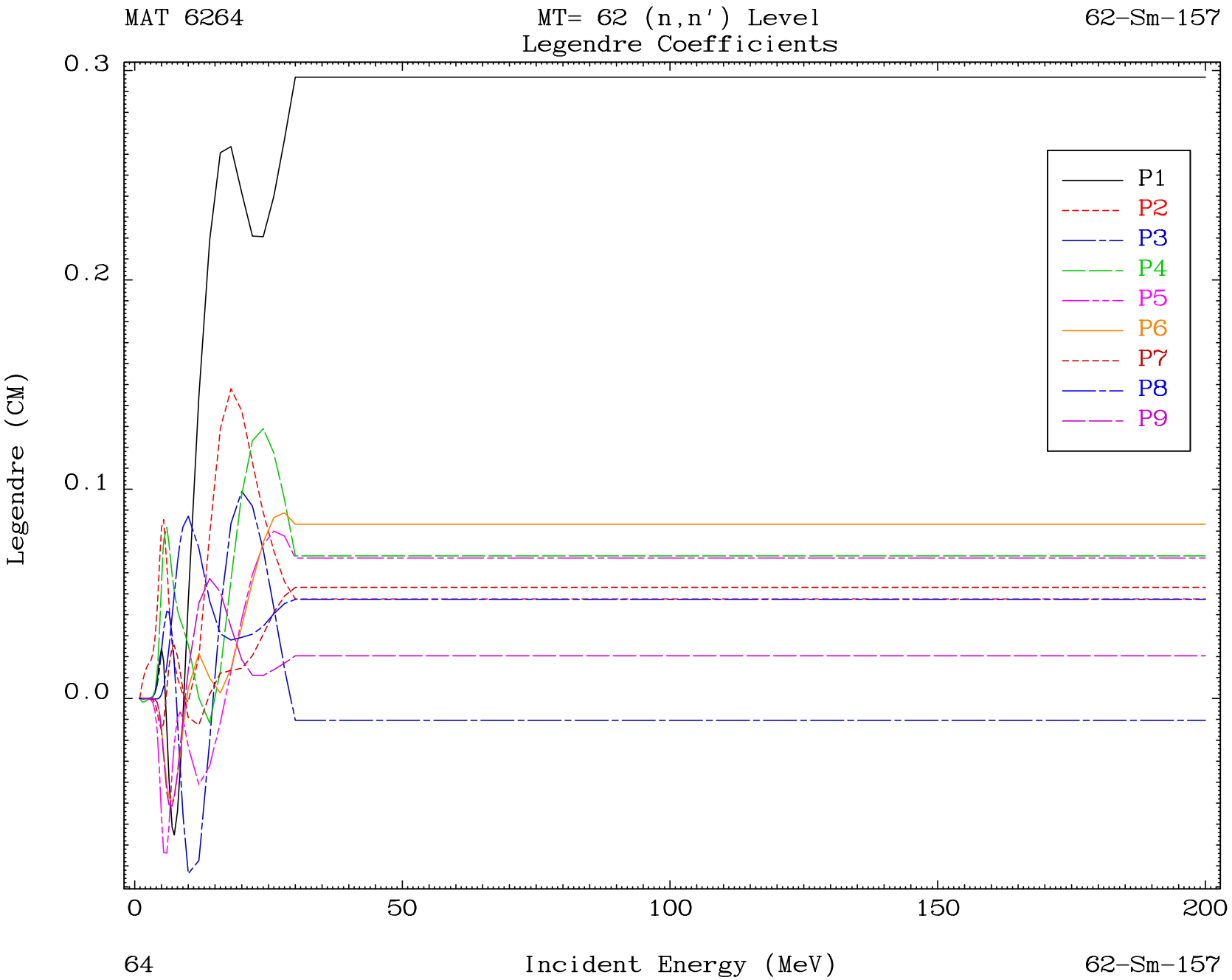

MAT 6264
MT= 60 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
59
Incident Energy (MeV)
62-Sm-157

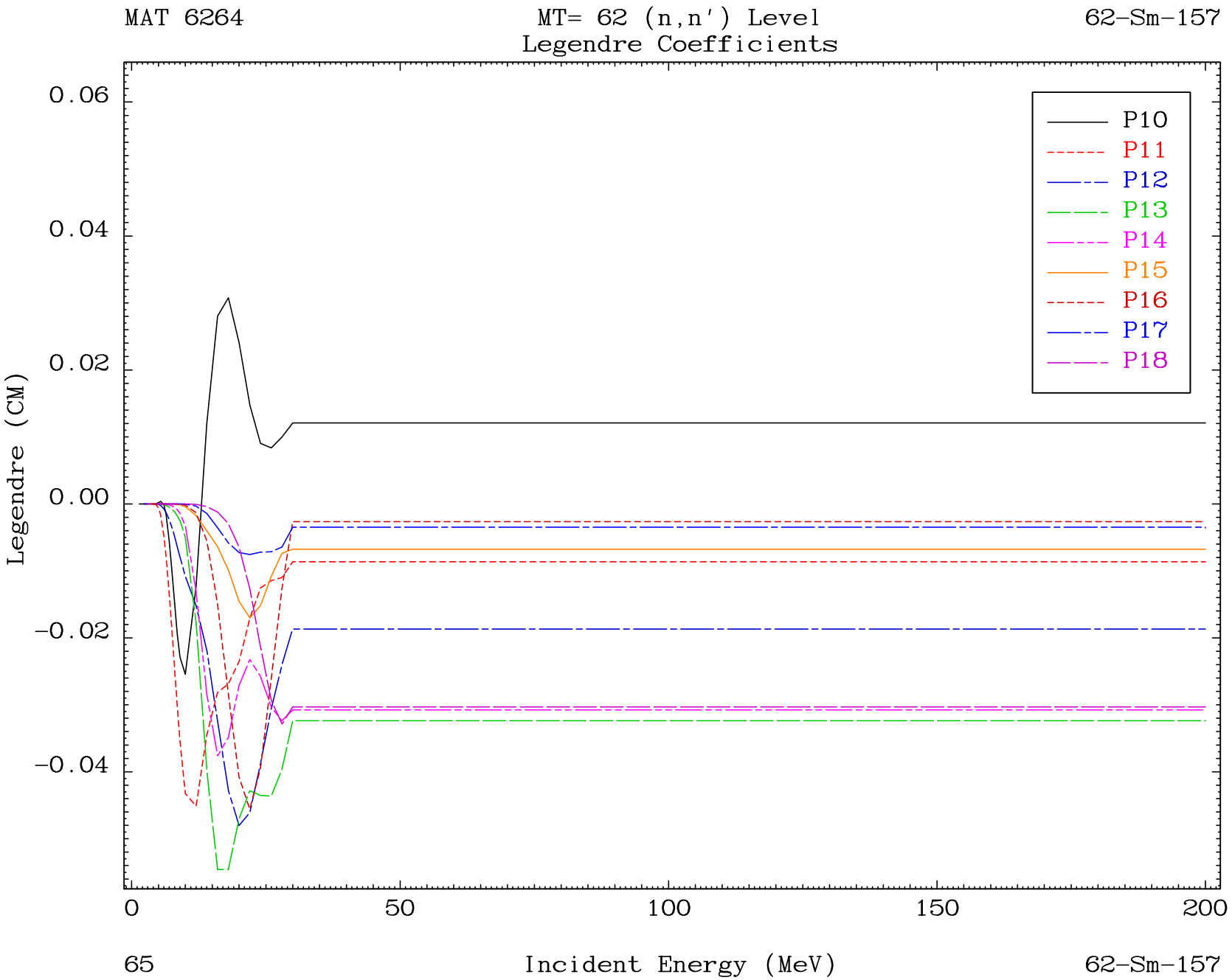

MAT 6264
MT= 61 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
60
Incident Energy (MeV)
62-Sm-157

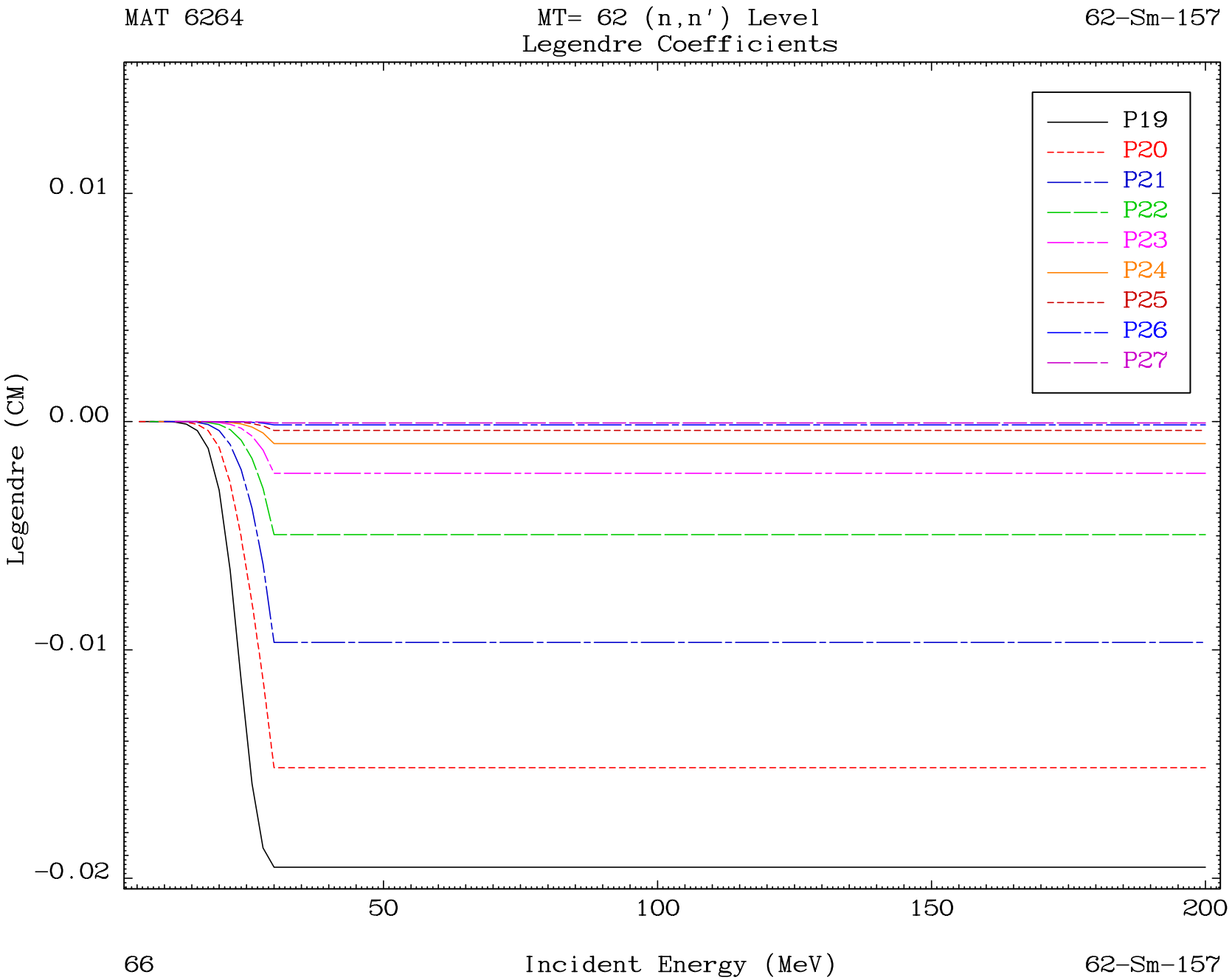

MAT 6264
MT= 61 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
62-Sm-157

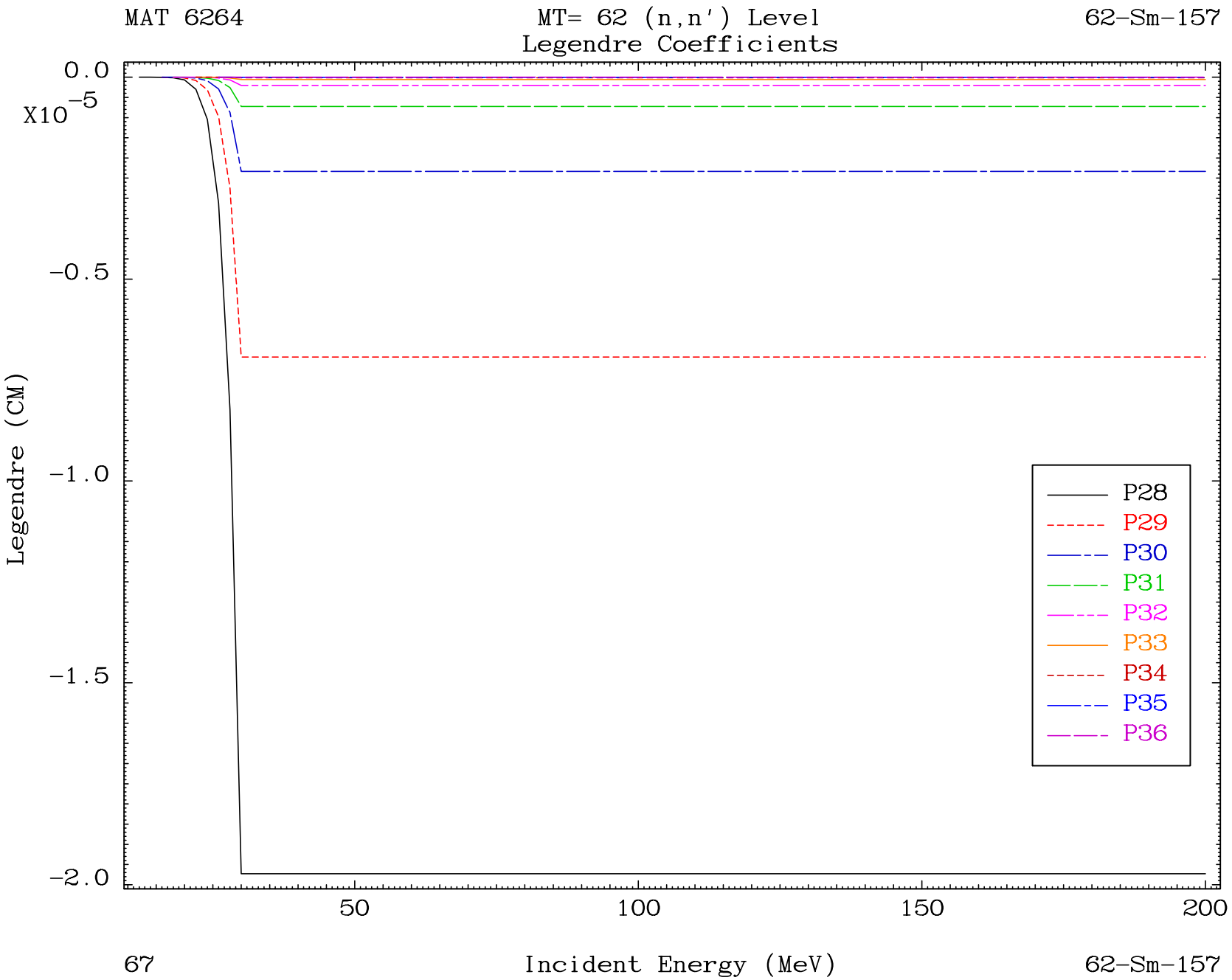

MAT 6264
MT= 61 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
2
1
0
-1
-2
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
62-Sm-157

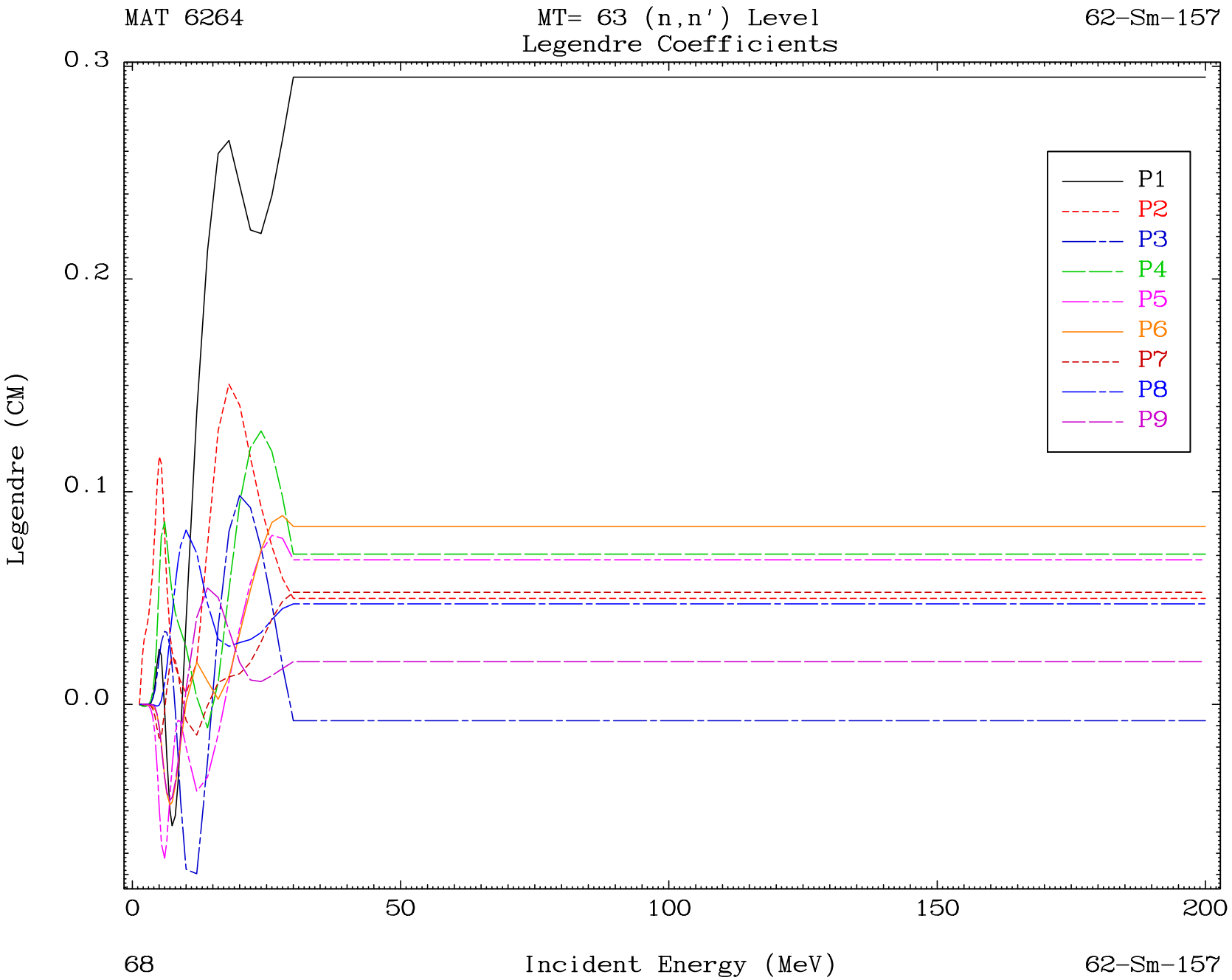

MAT 6264
MT= 61 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
63
Incident Energy (MeV)
62-Sm-157

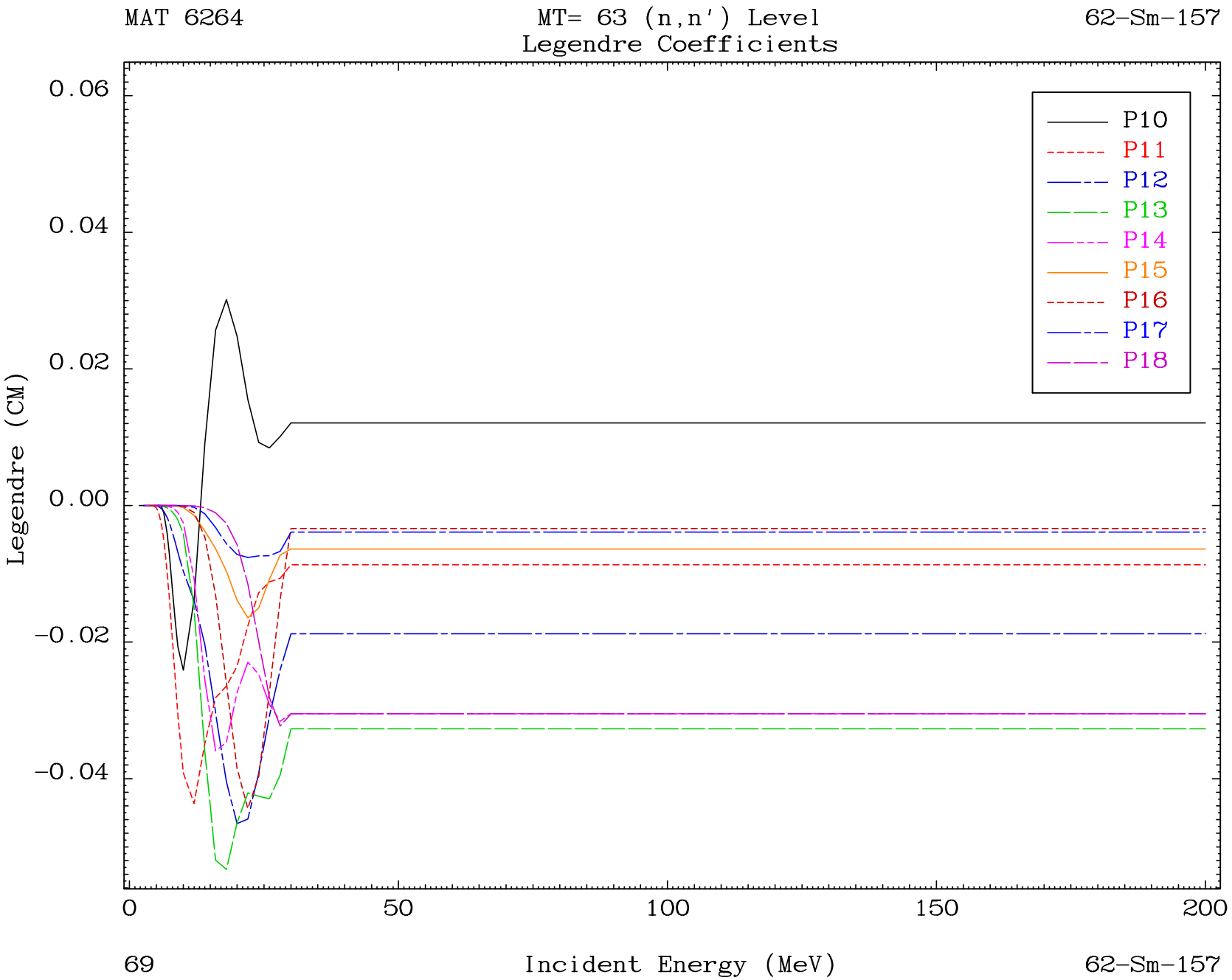

MAT 6264
MT= 62 (n,n') Level
Legendre Coefficients
62-Sm-157
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
64
Incident Energy (MeV)
62-Sm-157

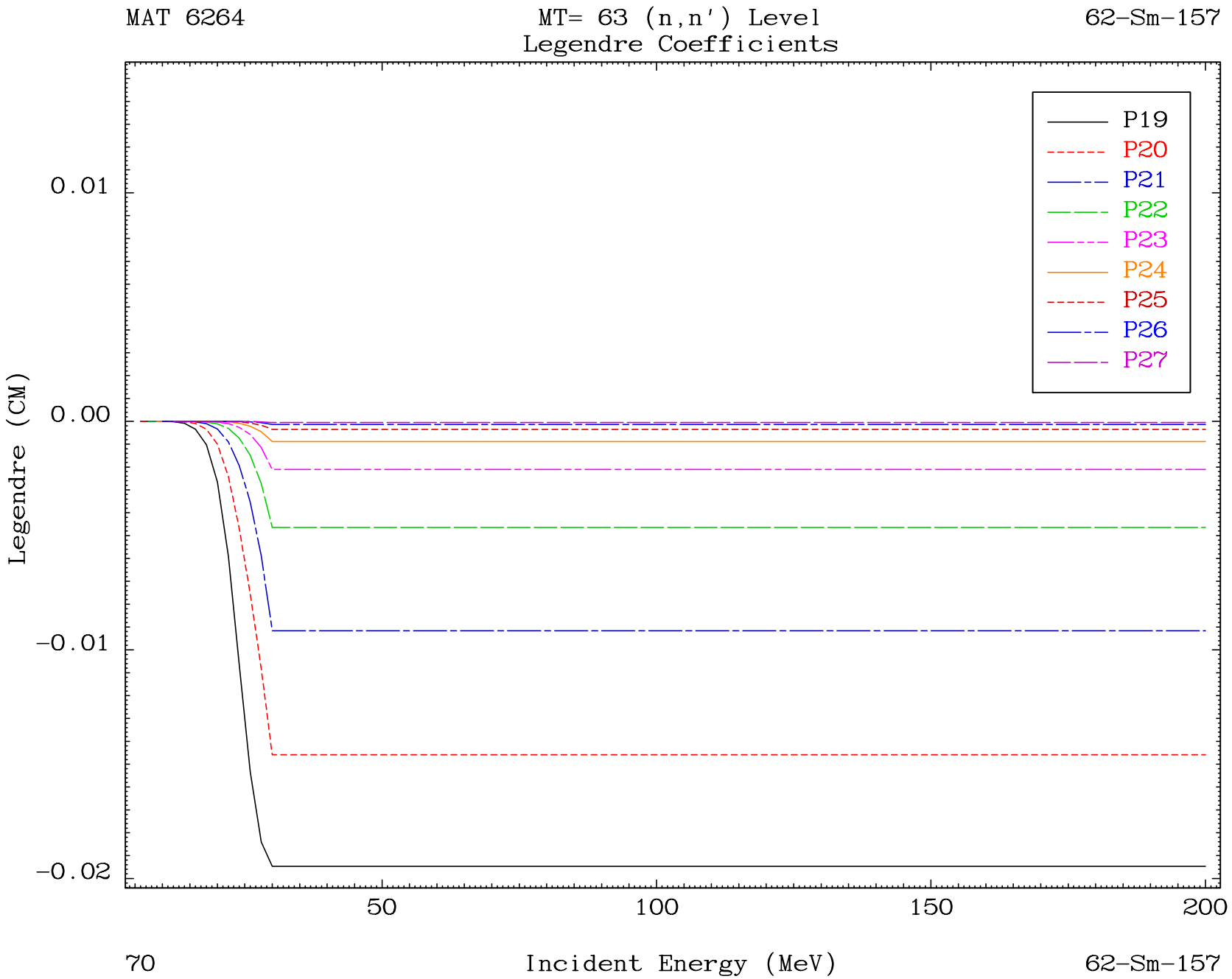

MAT 6264
MT= 62 (n,n') Level
Legendre Coefficients
62-Sm-157
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
65
Incident Energy (MeV)
62-Sm-157

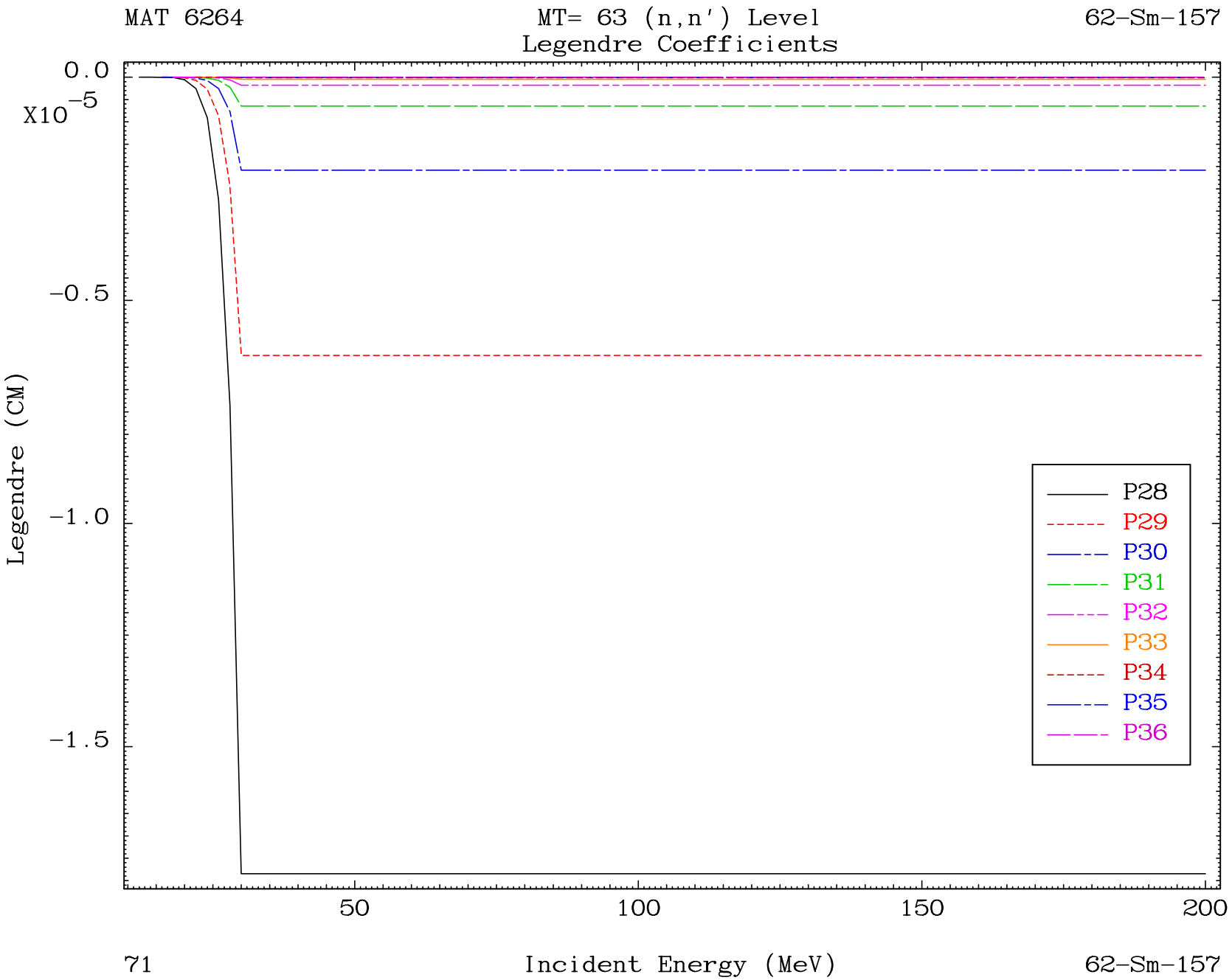

MAT 6264
MT= 62 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.01
0.00
-0.01
-0.02
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
62-Sm-157

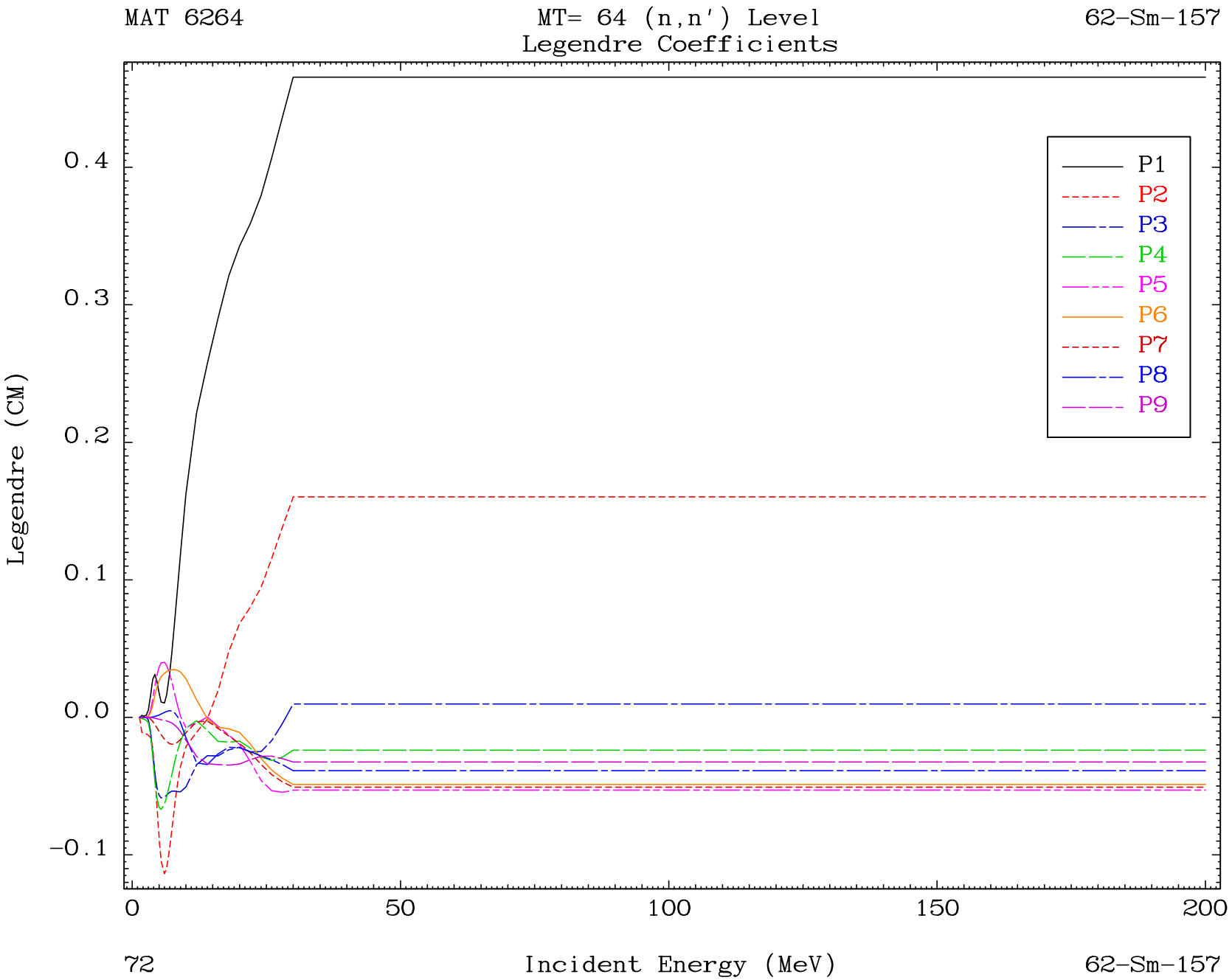

MAT 6264
MT= 62 (n,n') Level
Legendre Coefficients
62-Sm-157
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

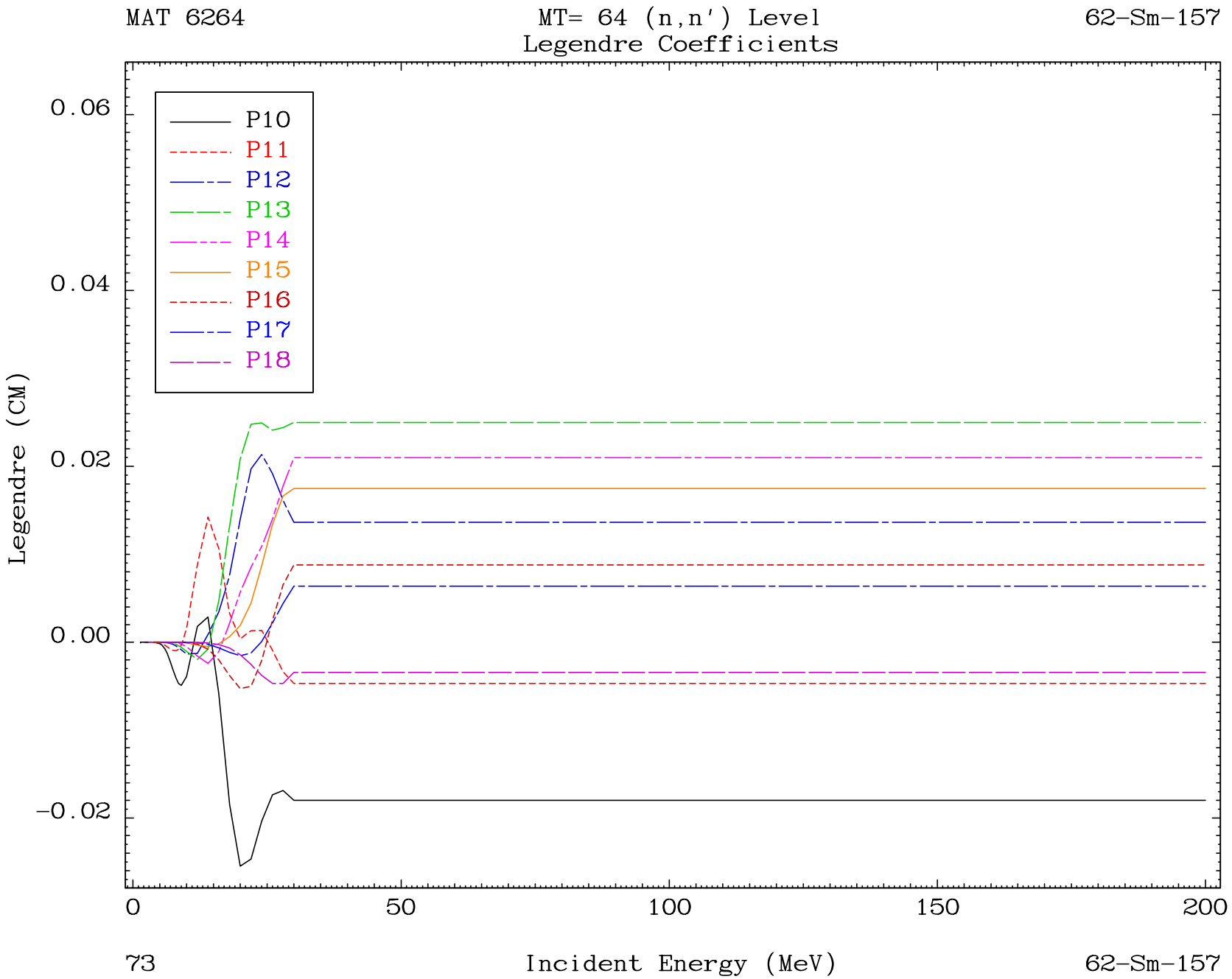

MAT 6264
MT= 63 (n,n') Level
Legendre Coefficients
62-Sm-157
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
68
Incident Energy (MeV)
62-Sm-157

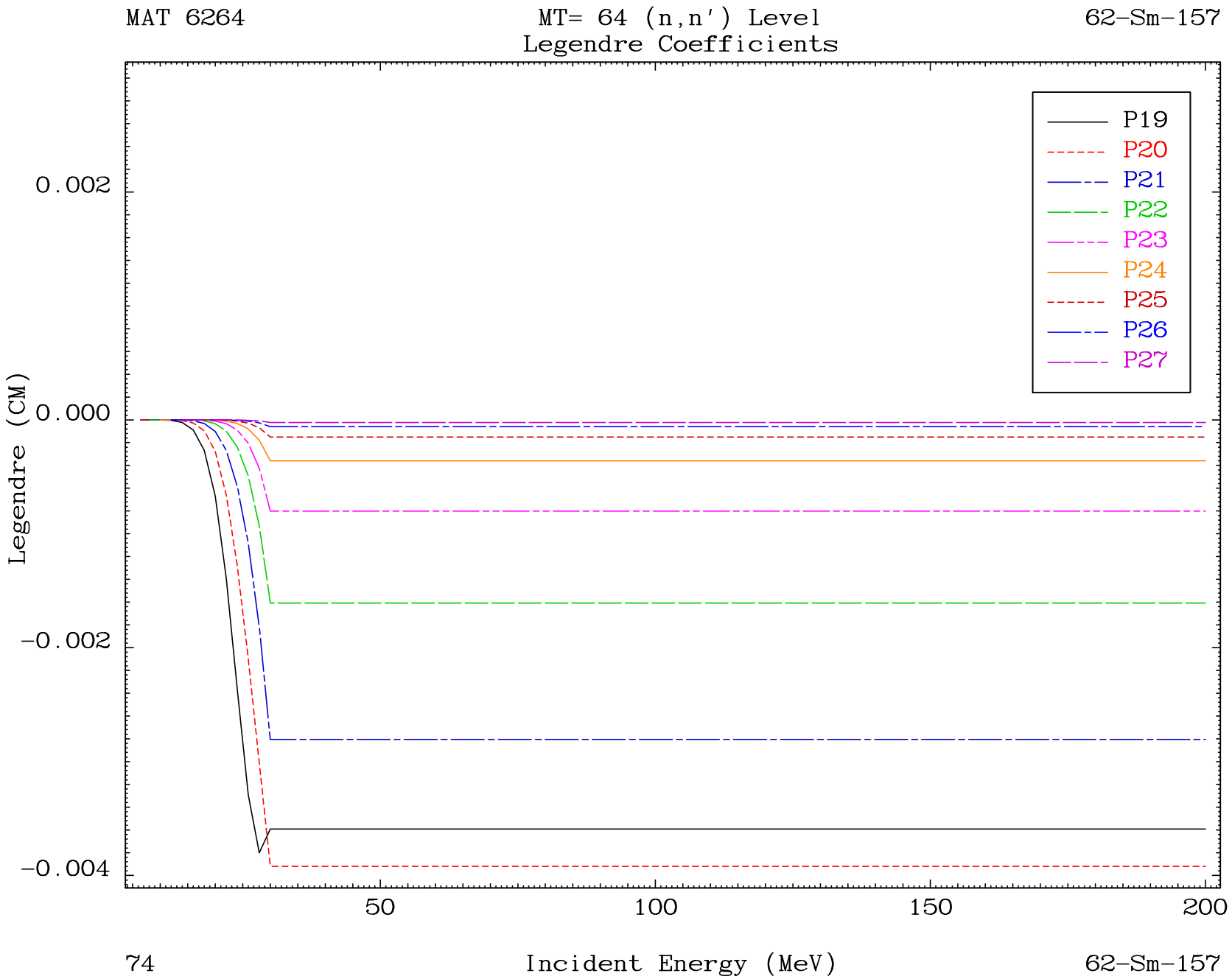

MAT 6264
MT= 63 (n,n') Level
Legendre Coefficients
62-Sm-157
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
69
Incident Energy (MeV)
62-Sm-157

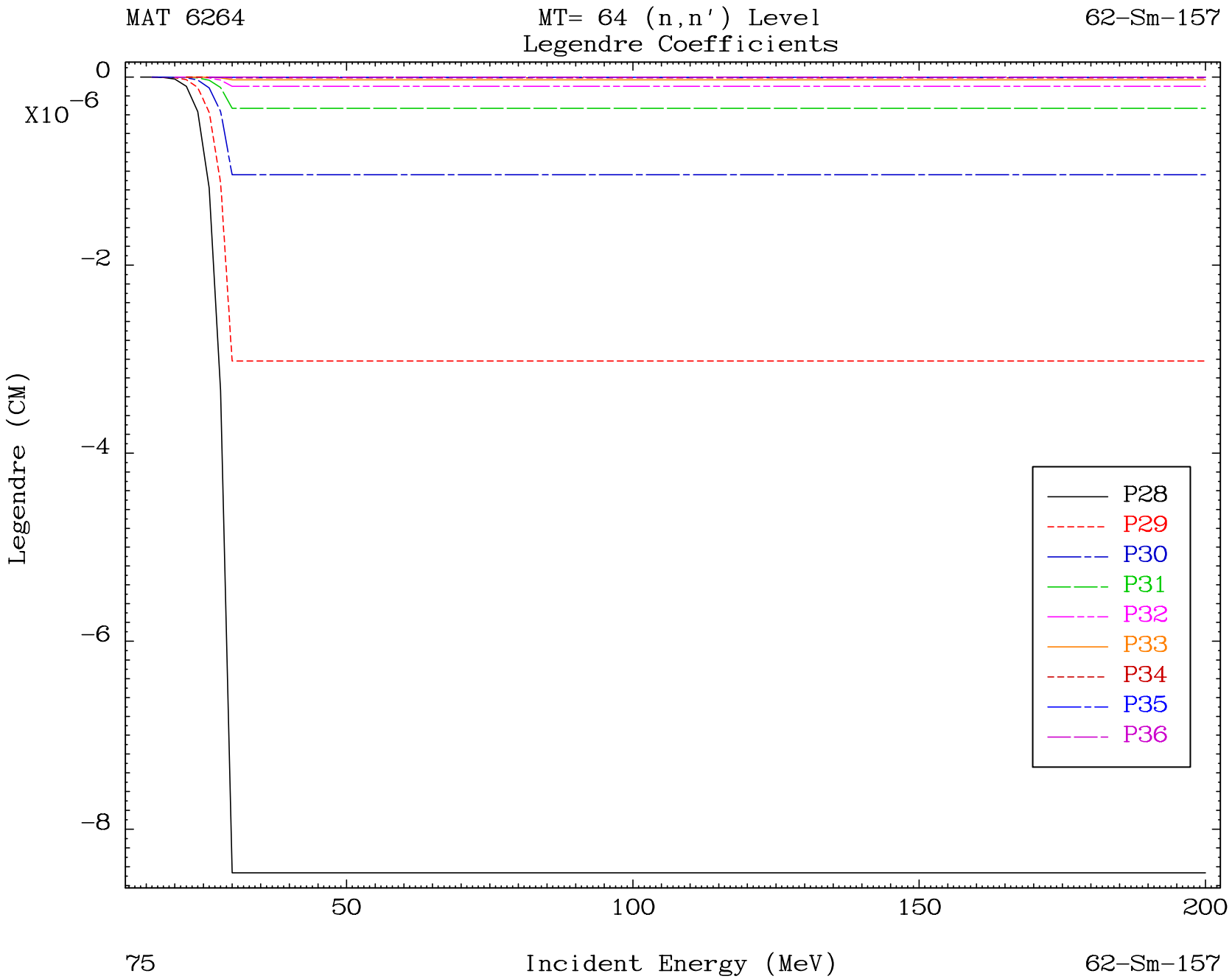

MAT 6264
MT= 63 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.01
0.00
-0.01
-0.02
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
62-Sm-157

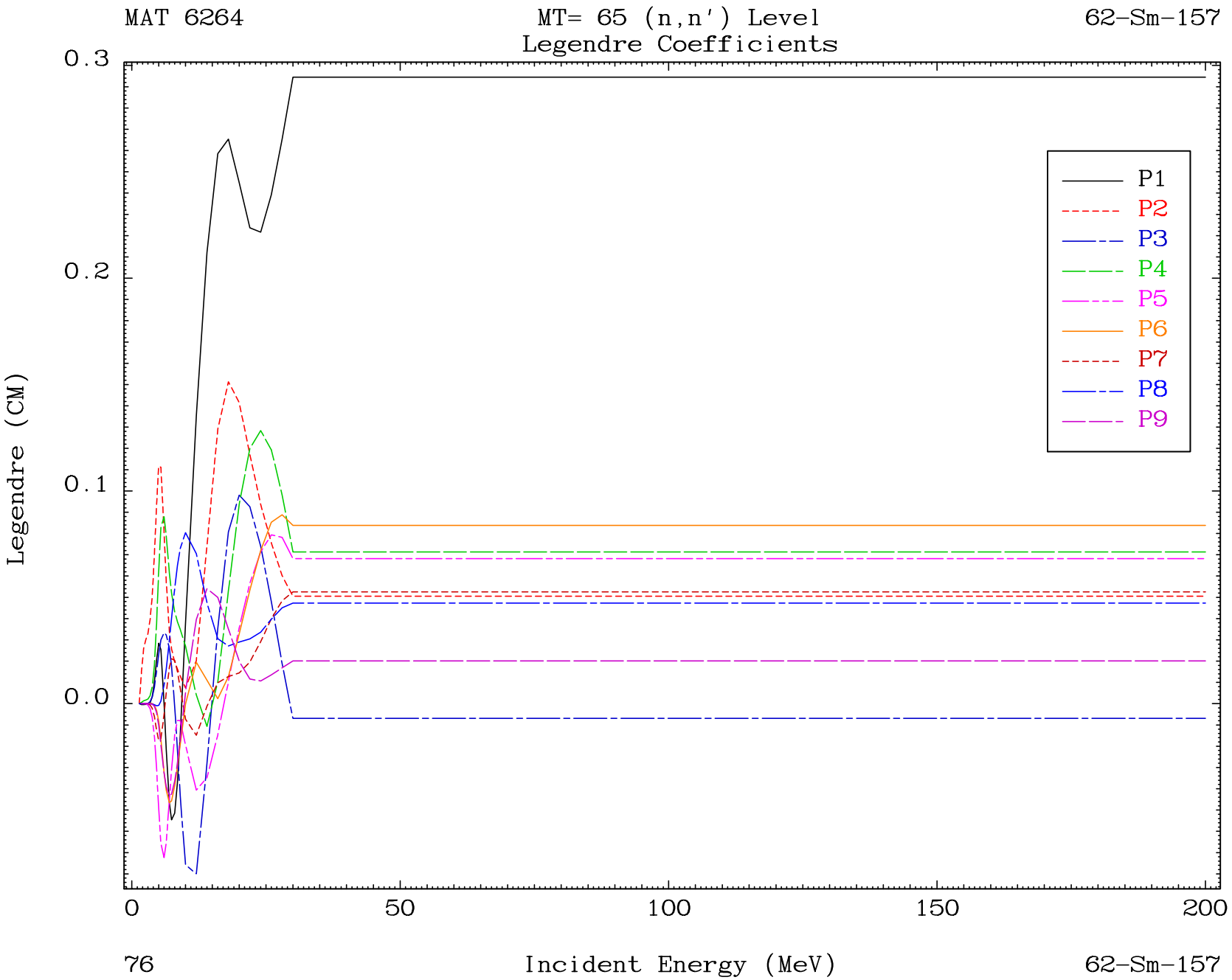

MAT 6264
MT= 63 (n,n') Level
Legendre Coefficients
62-Sm-157
0.0
X10^-5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

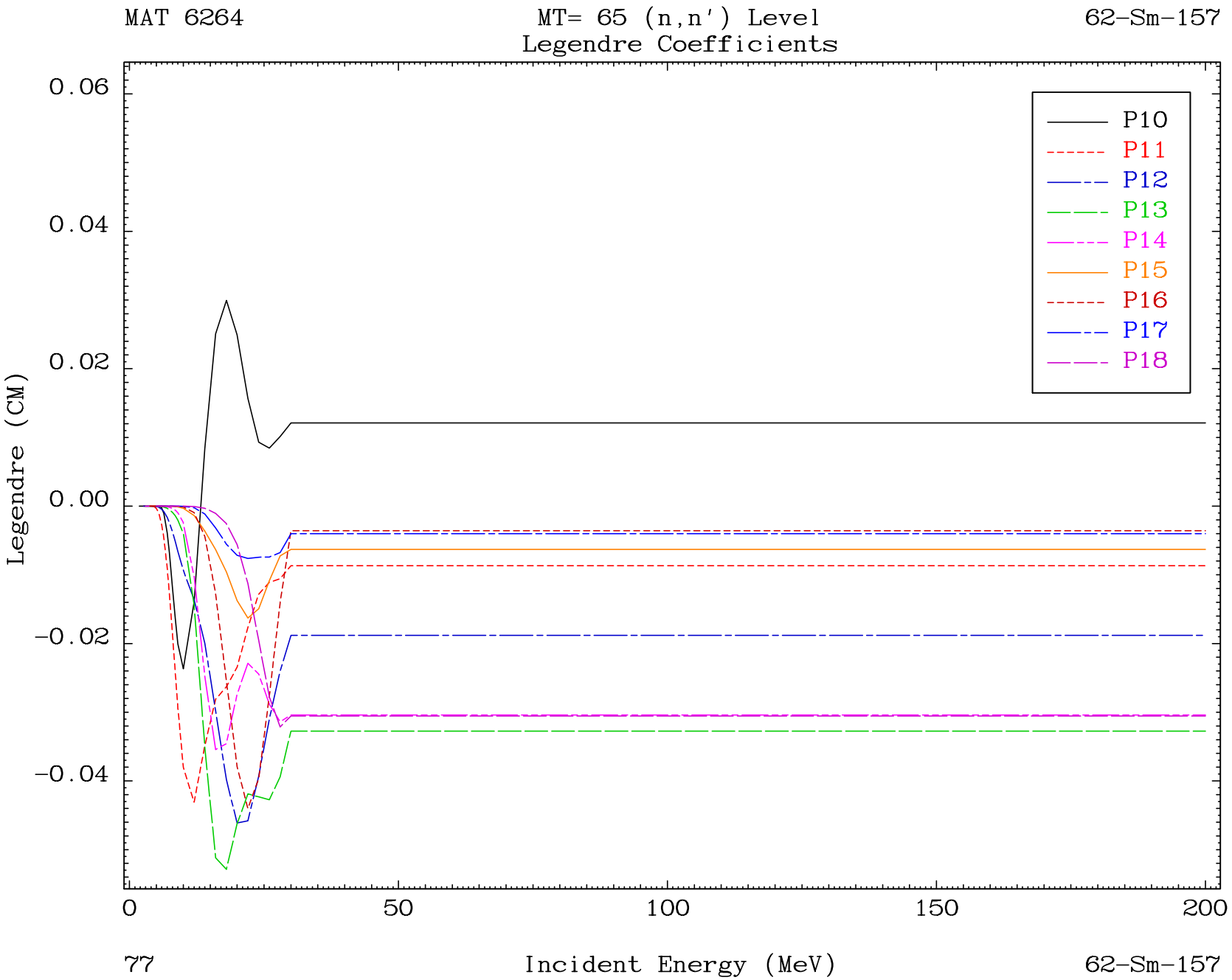

MAT 6264
MT= 64 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
72
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

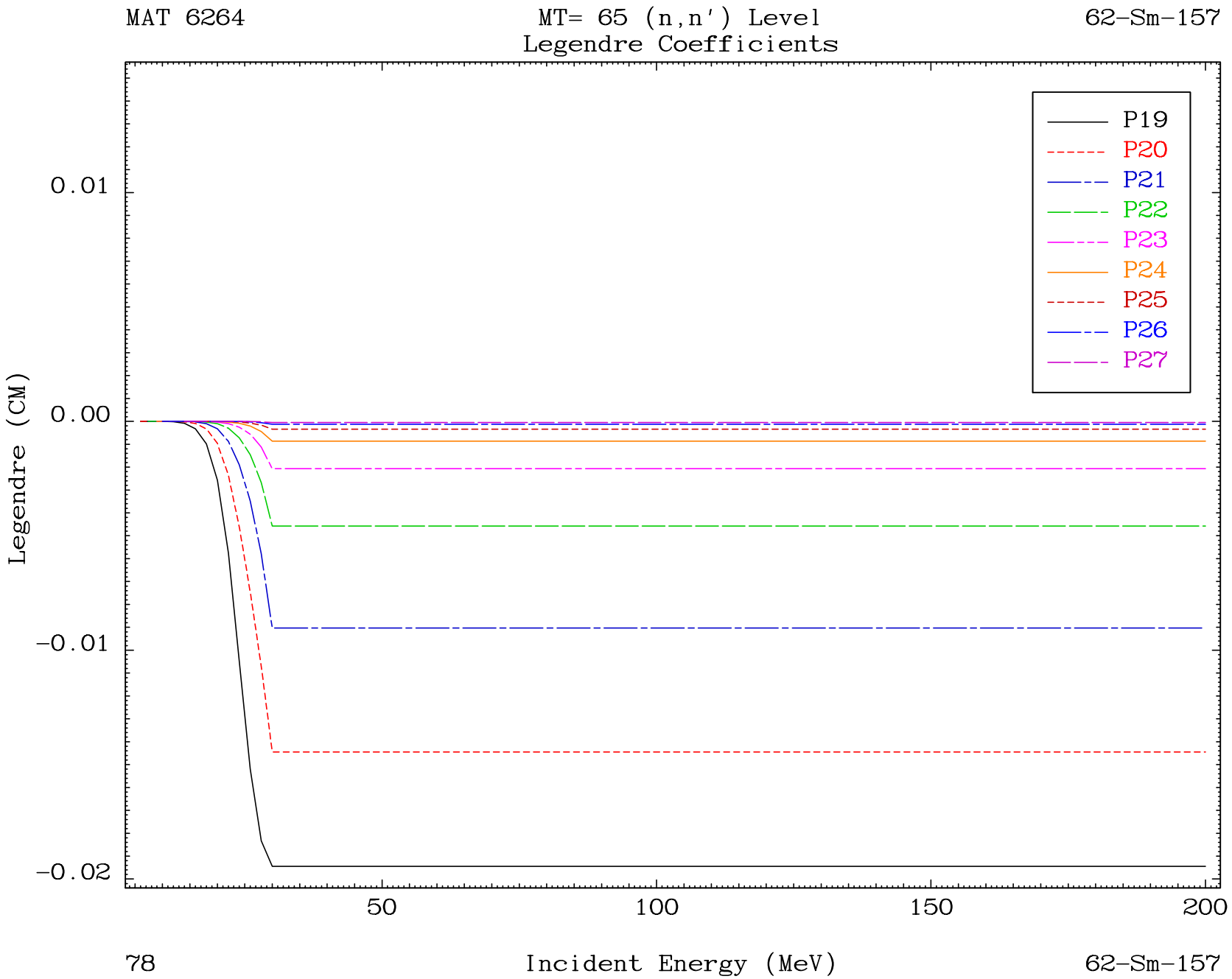

MAT 6264
MT= 64 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
62-Sm-157

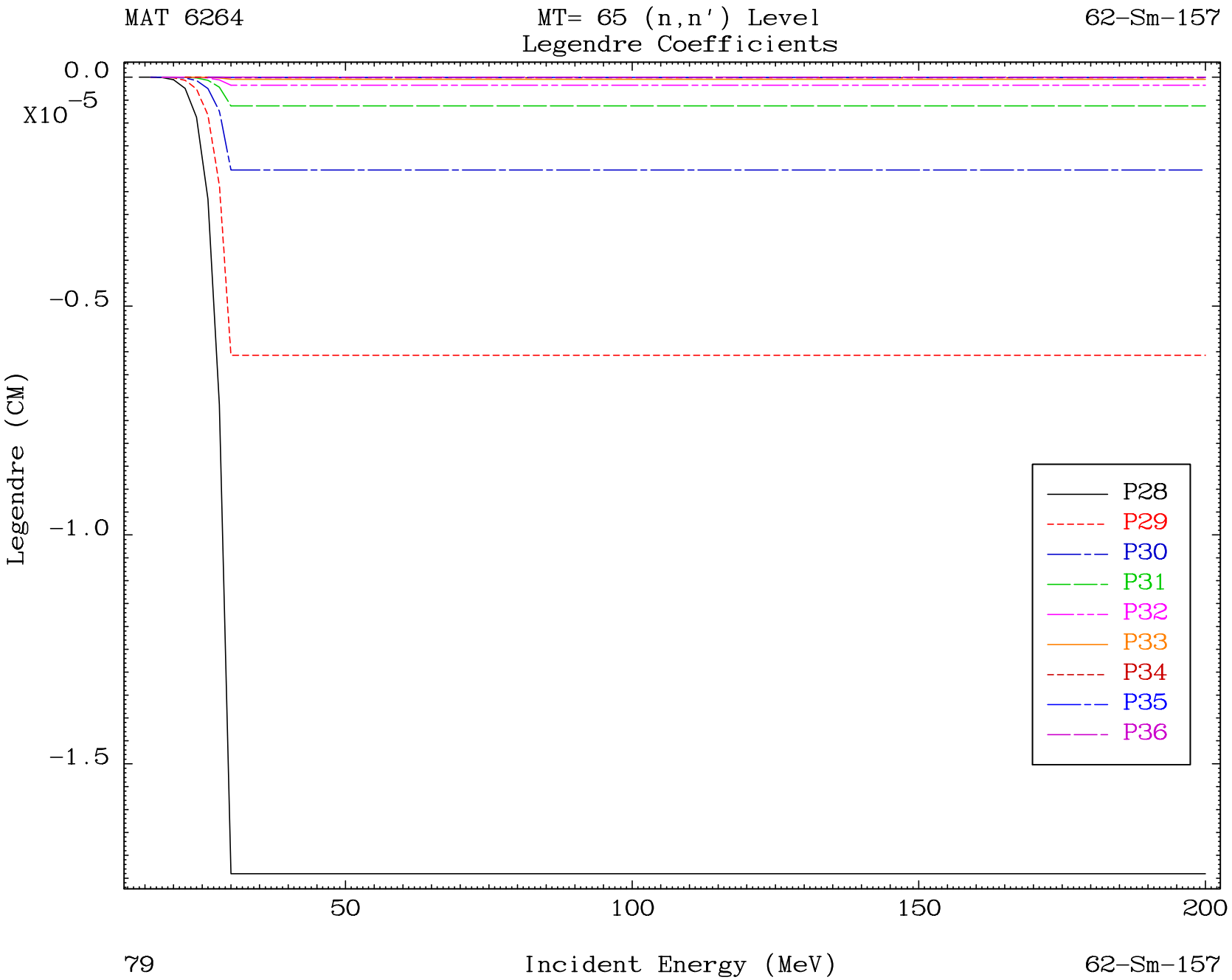

MAT 6264
MT= 64 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
62-Sm-157

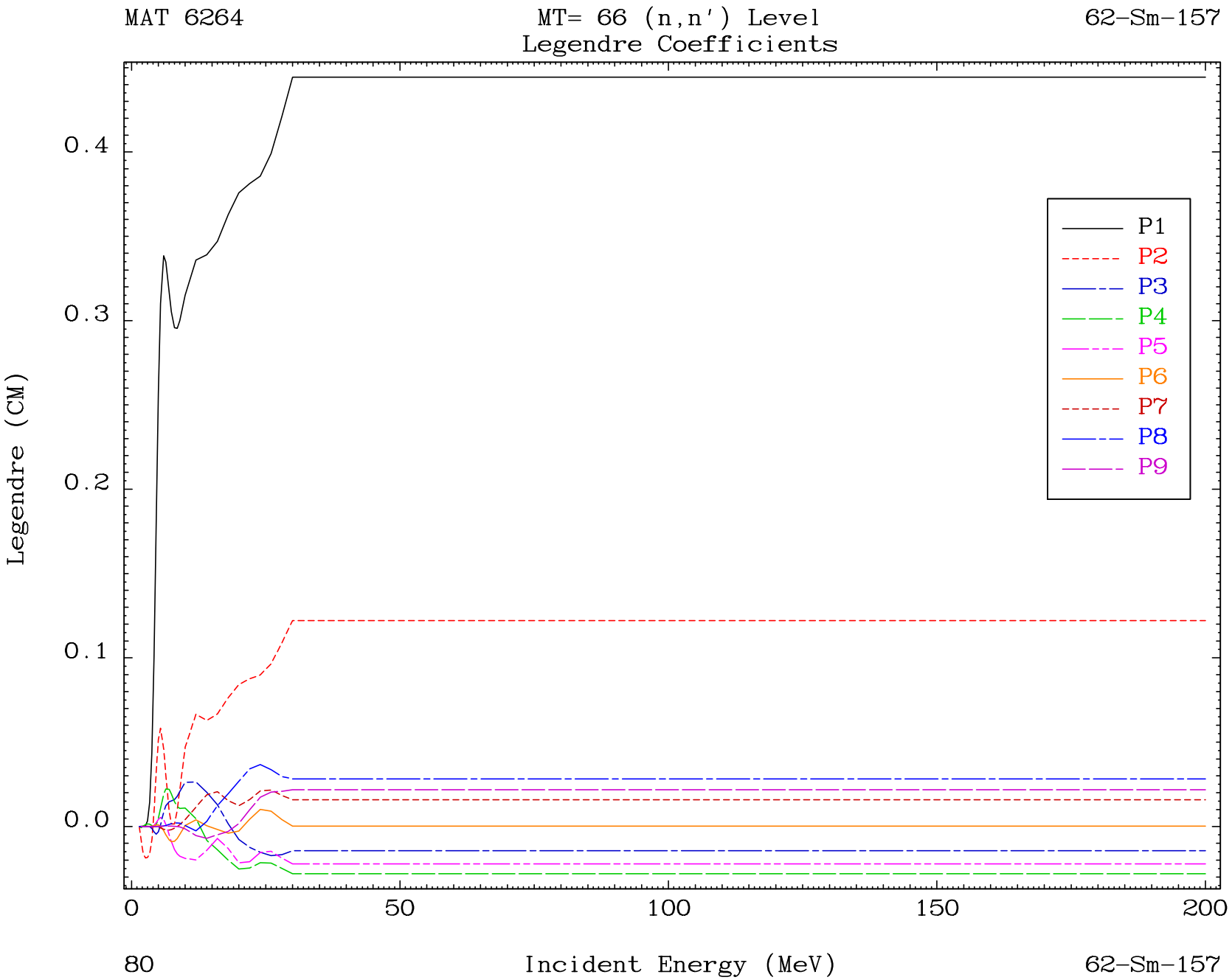

MAT 6264
MT= 64 (n,n') Level
Legendre Coefficients
62-Sm-157
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

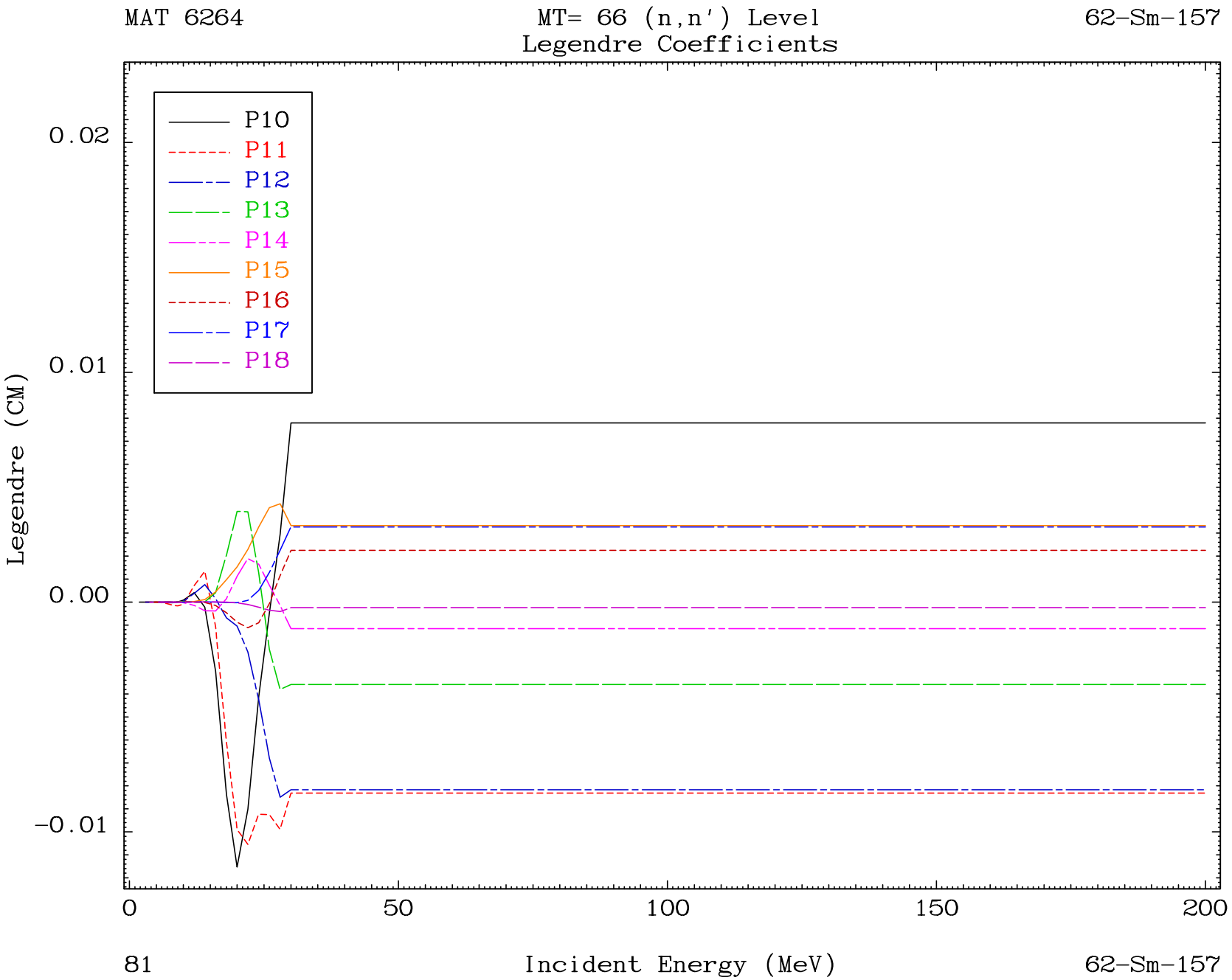

MAT 6264
MT= 65 (n,n') Level
Legendre Coefficients
62-Sm-157
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
76
Incident Energy (MeV)
62-Sm-157

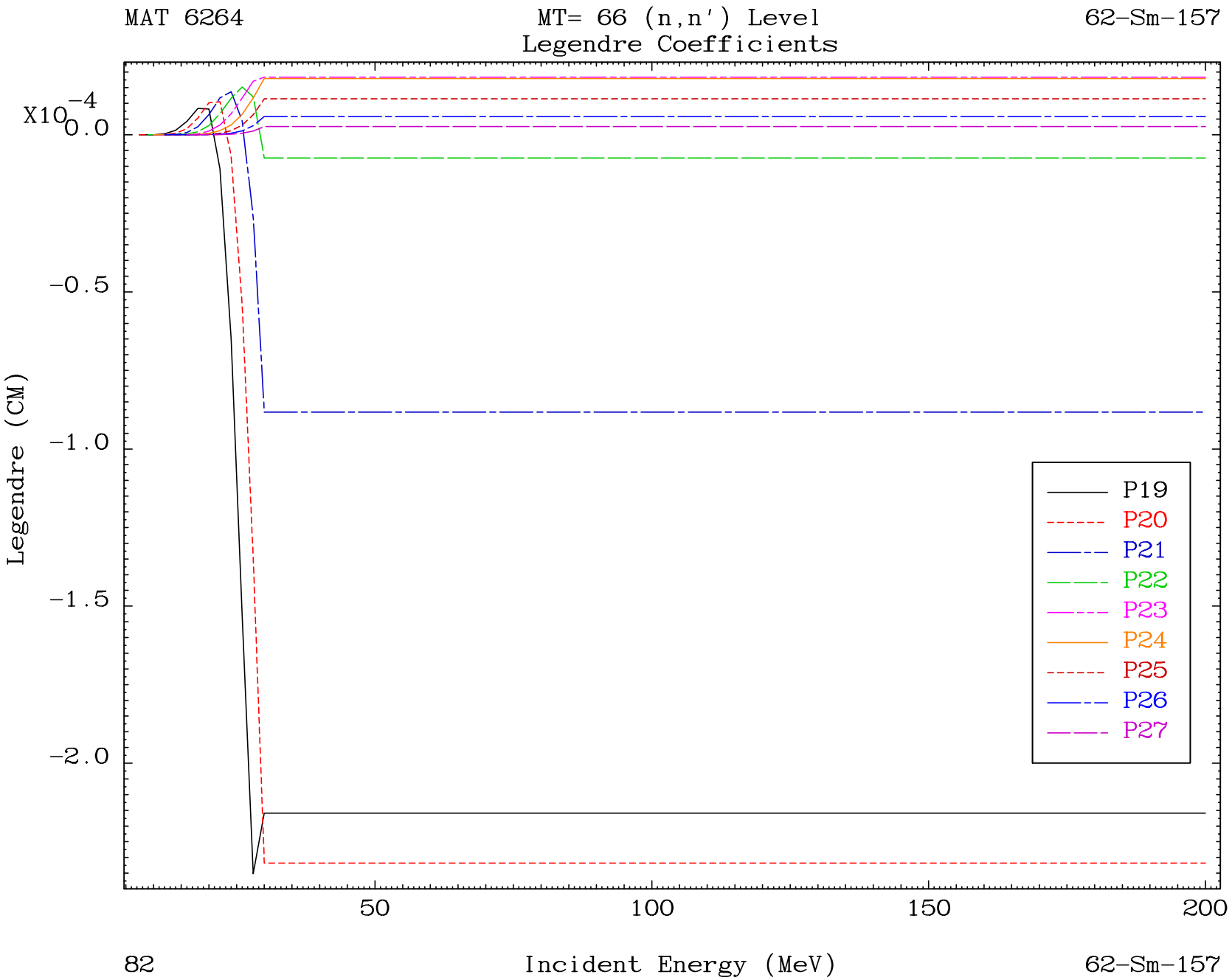

MAT 6264
MT= 65 (n,n') Level
Legendre Coefficients
62-Sm-157
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
77
Incident Energy (MeV)
62-Sm-157

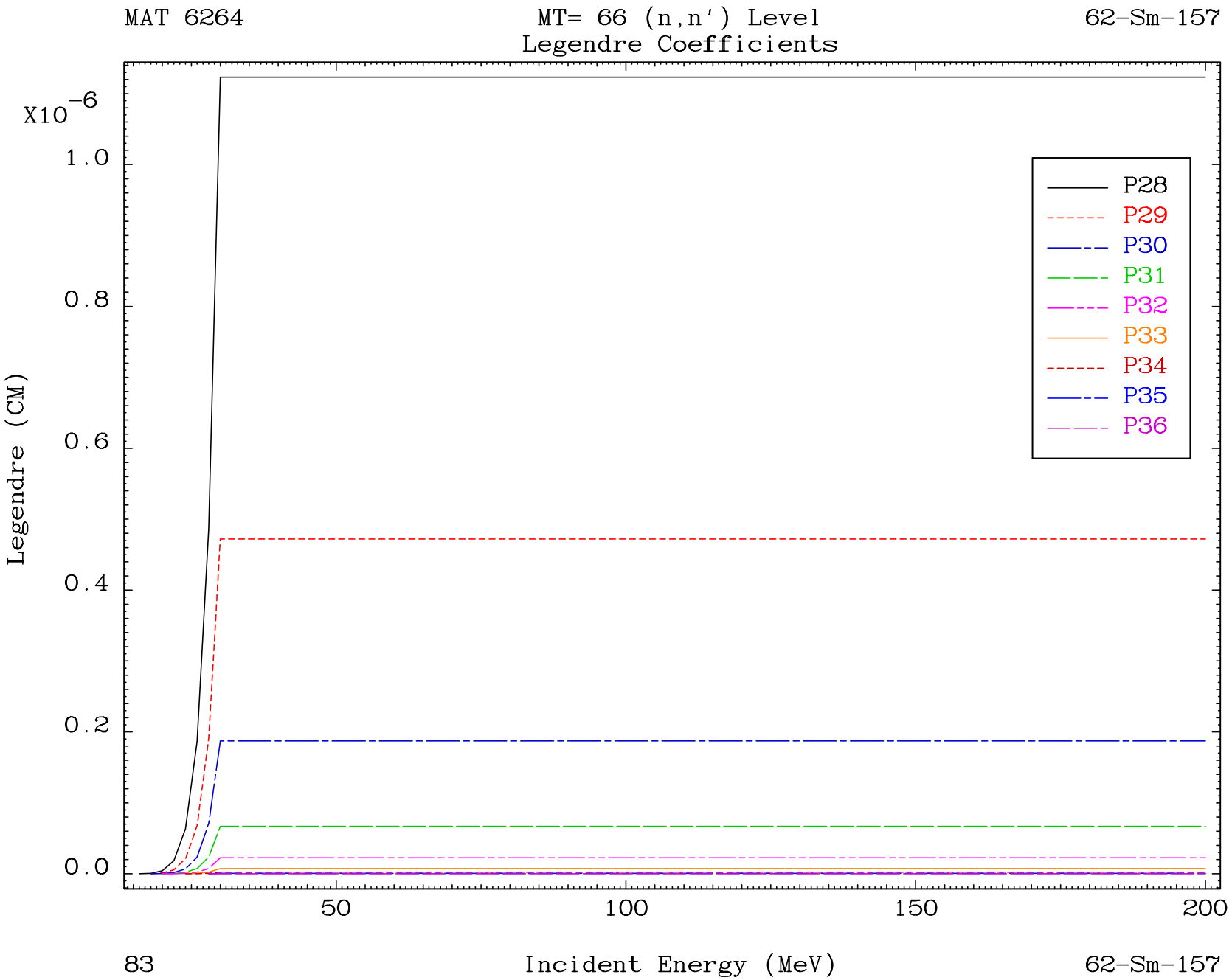

MAT 6264
MT= 65 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.01
0.00
-0.01
-0.02
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
62-Sm-157

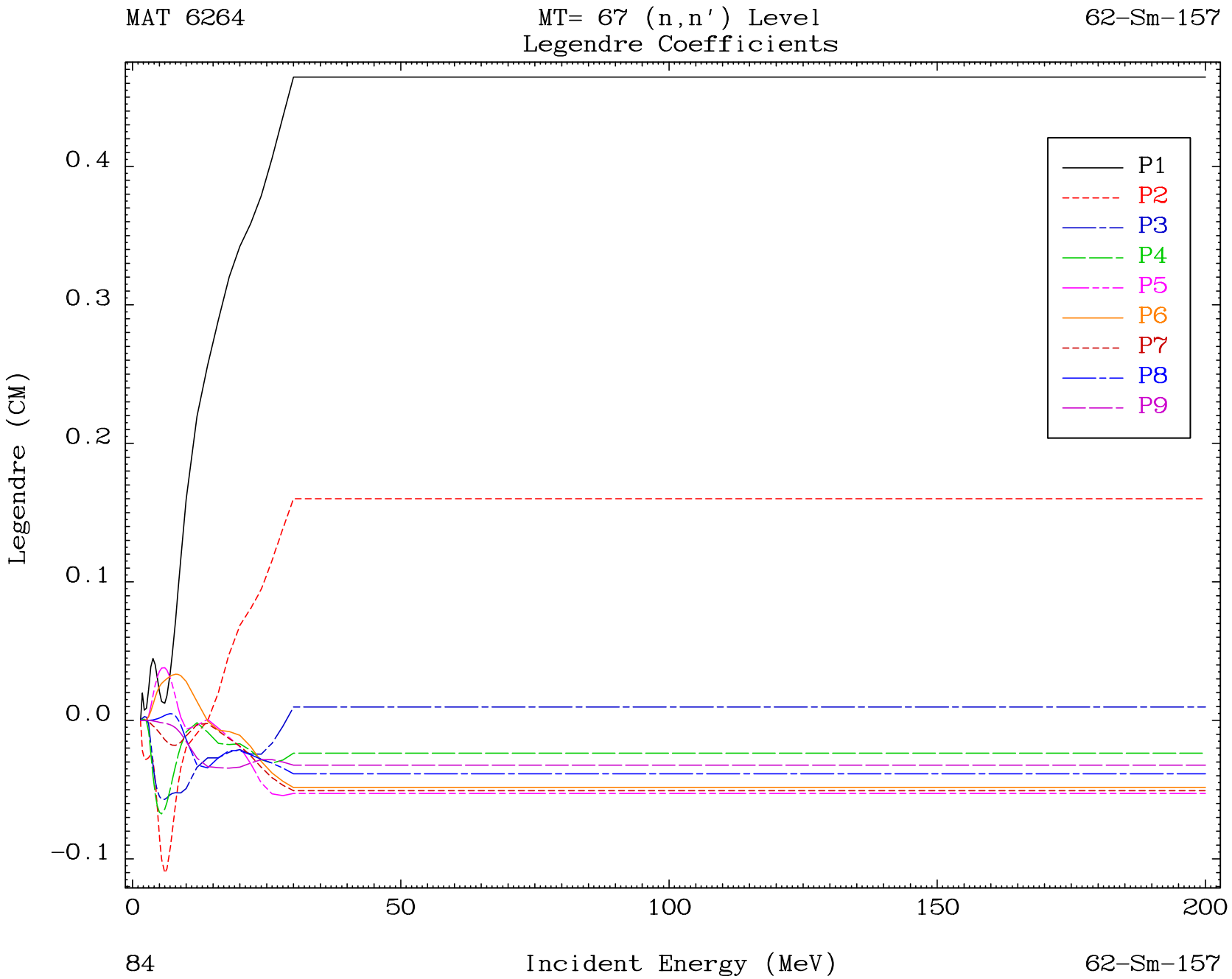

MAT 6264
MT= 65 (n,n') Level
Legendre Coefficients
62-Sm-157
0.0
X10^-5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
79
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

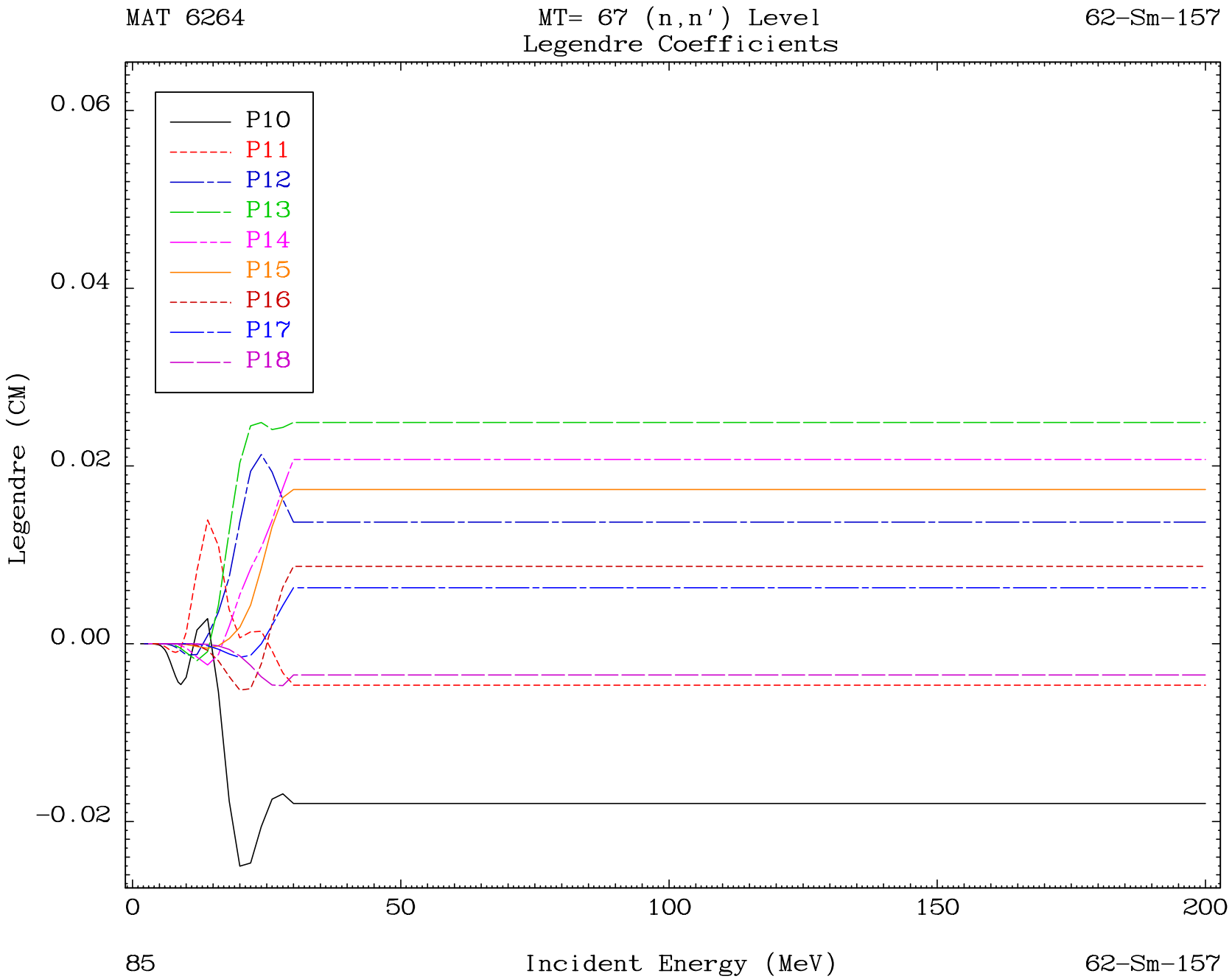

MAT 6264
MT= 66 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
80
Incident Energy (MeV)
62-Sm-157

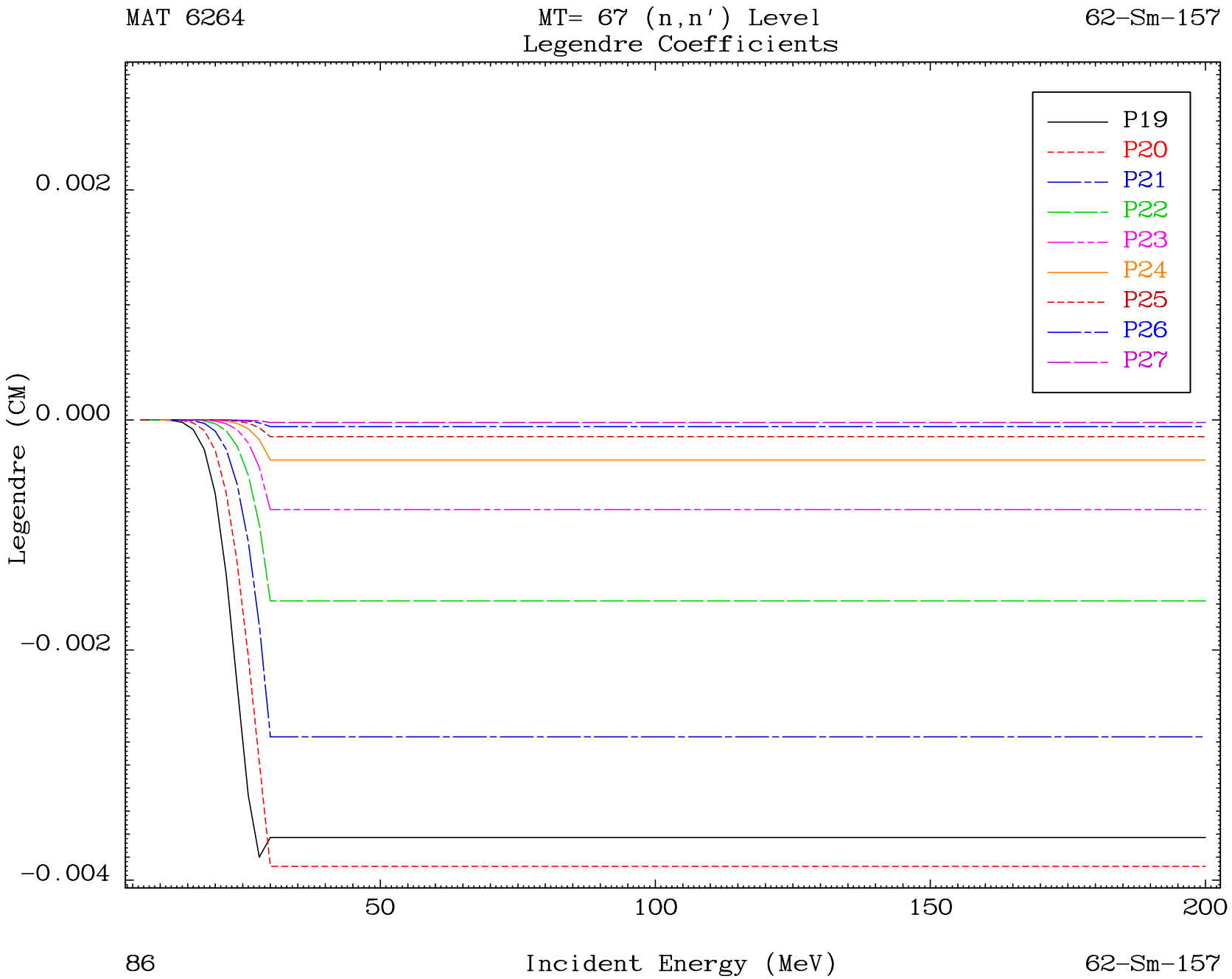

MAT 6264
MT= 66 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
81
Incident Energy (MeV)
62-Sm-157

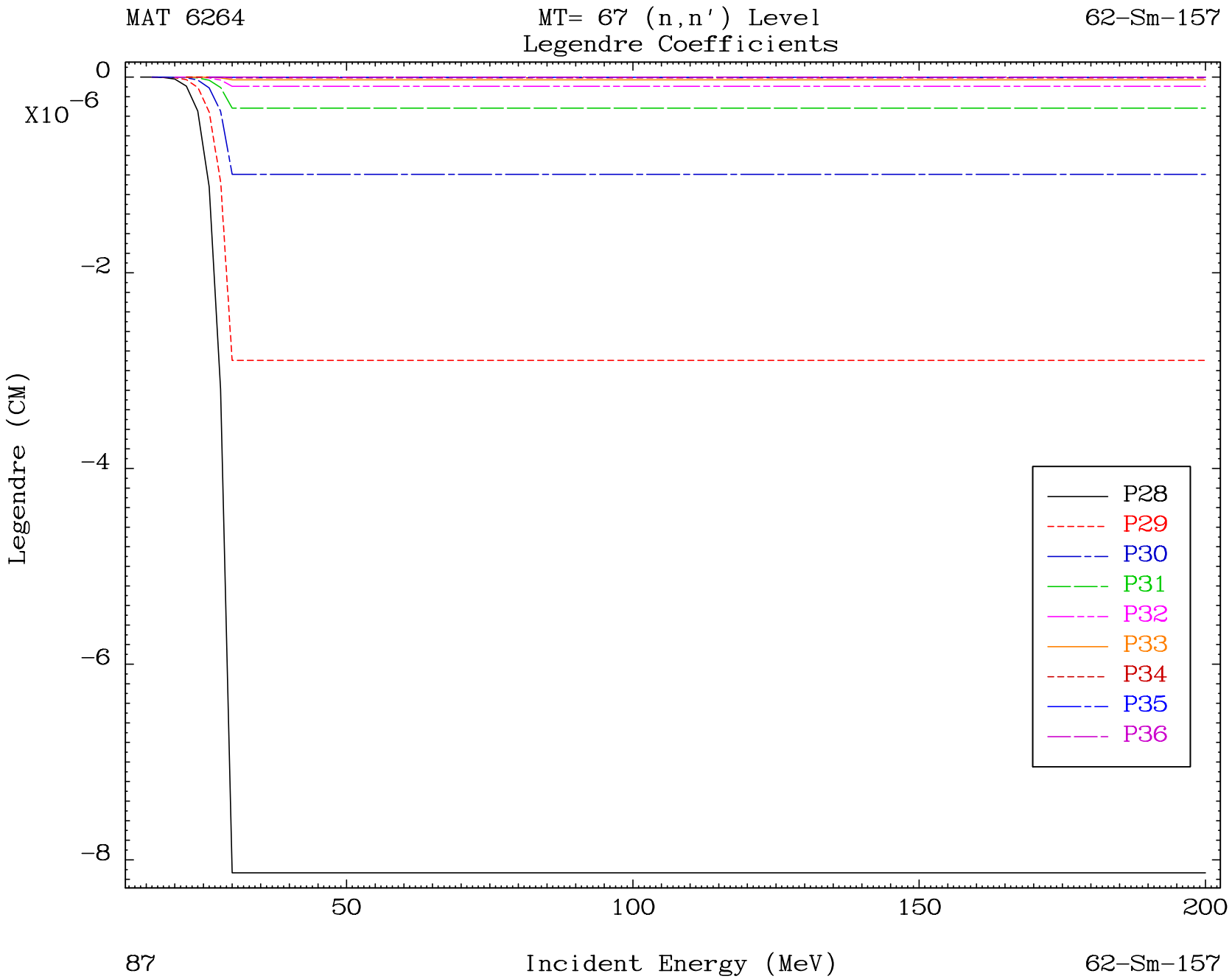

MAT 6264
MT= 66 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27

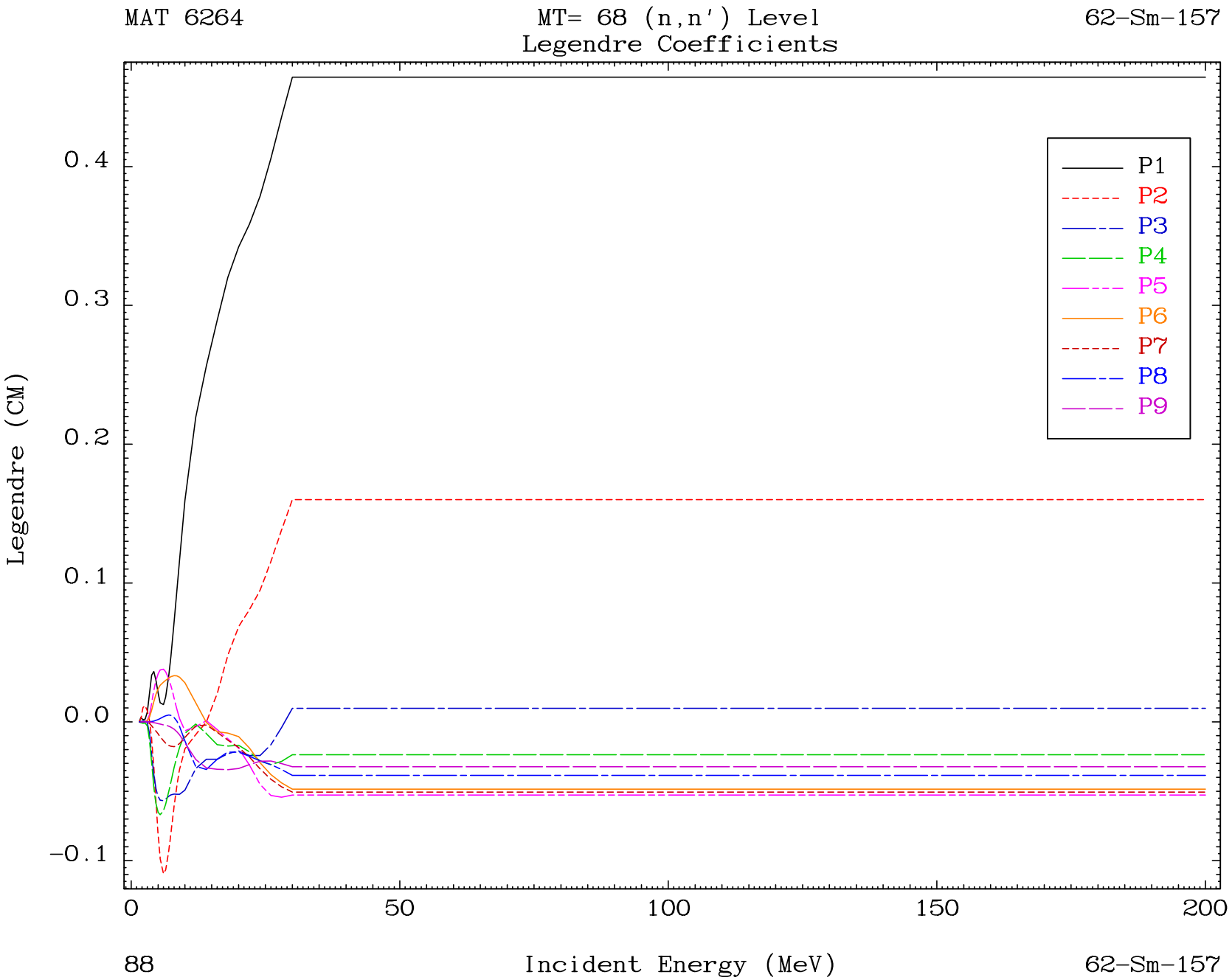

MAT 6264
MT= 66 (n,n') Level
Legendre Coefficients
62-Sm-157
X10 −6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
83
Incident Energy (MeV)
62-Sm-157

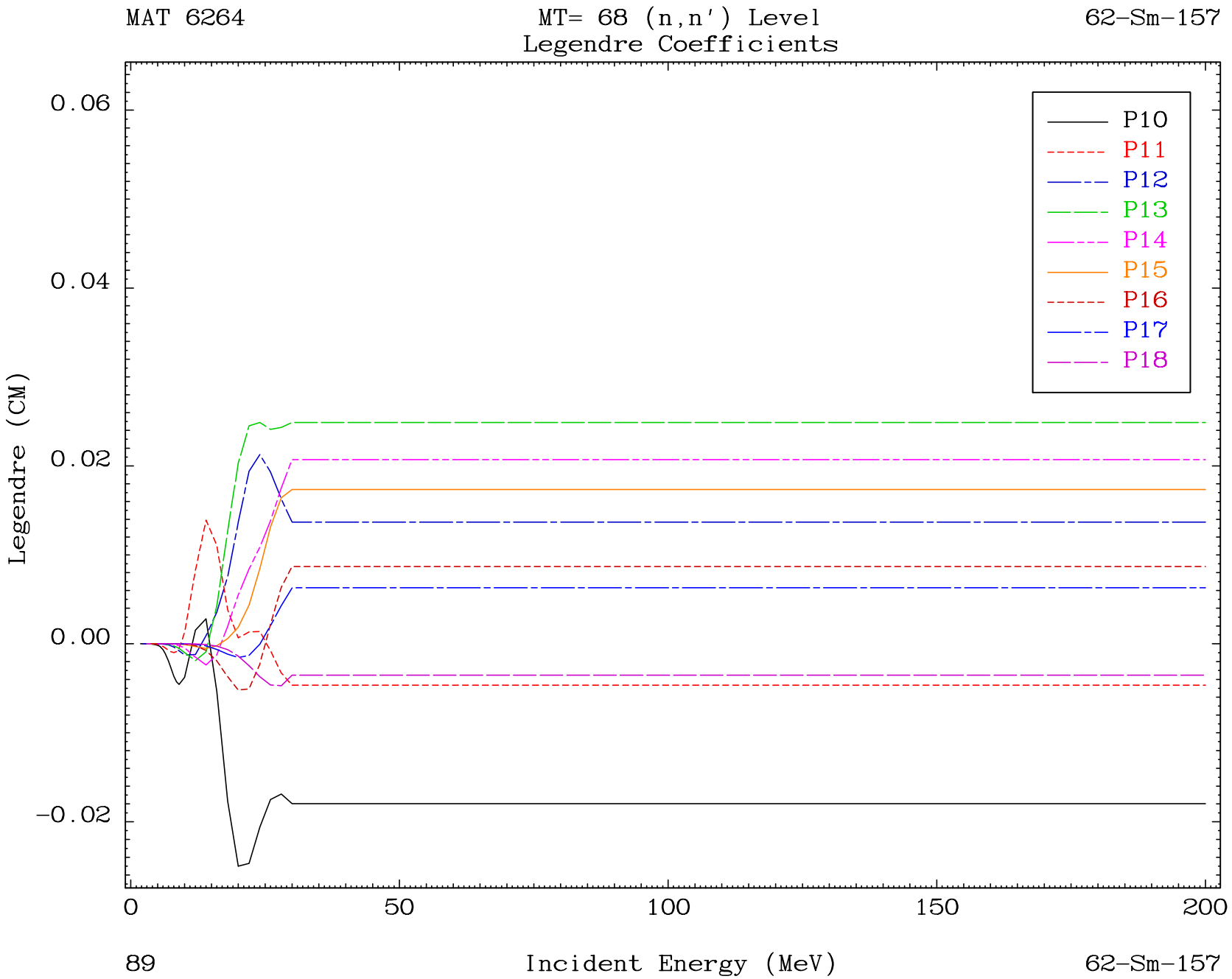

MAT 6264
MT= 67 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
84
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

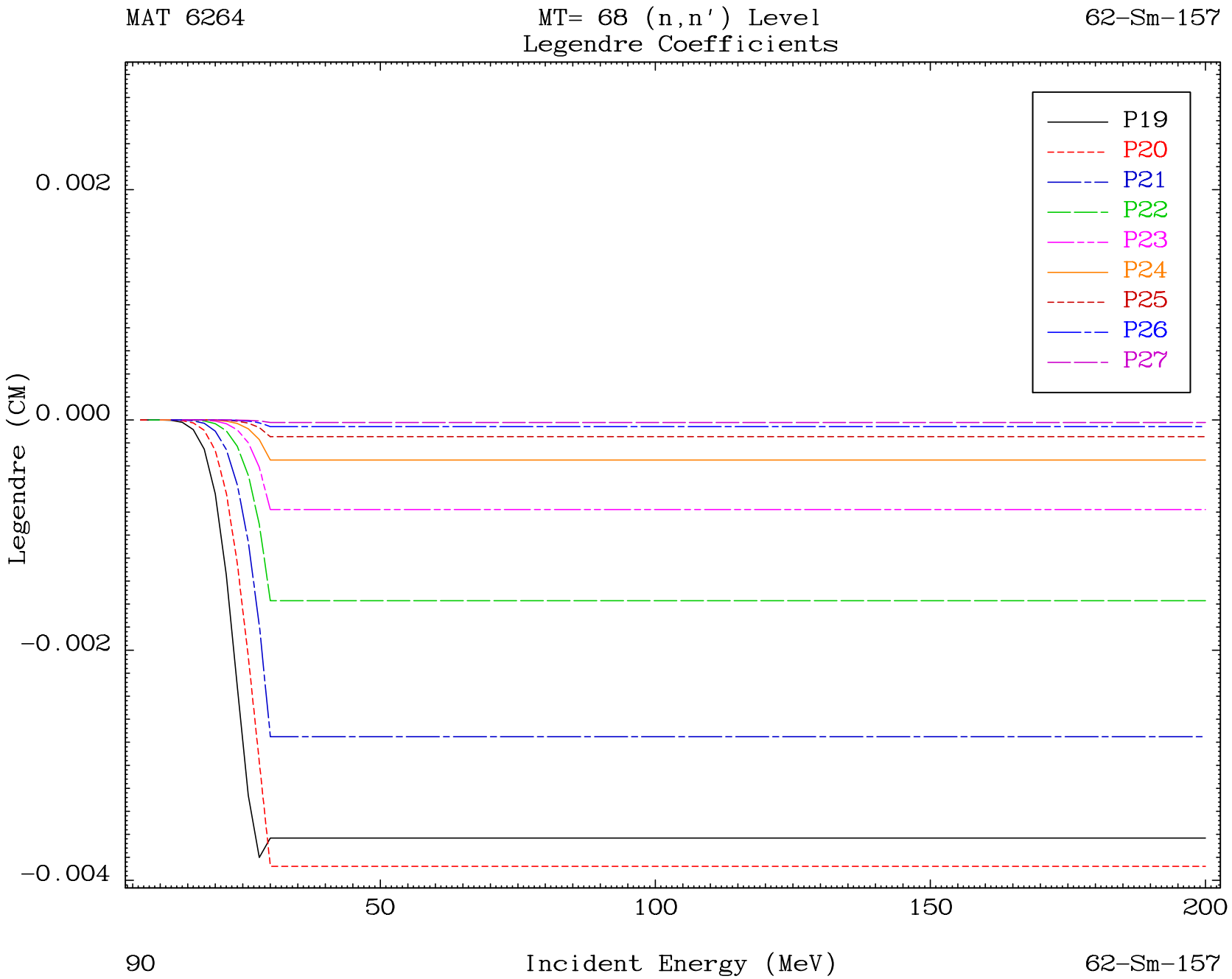

MAT 6264
MT= 67 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
62-Sm-157

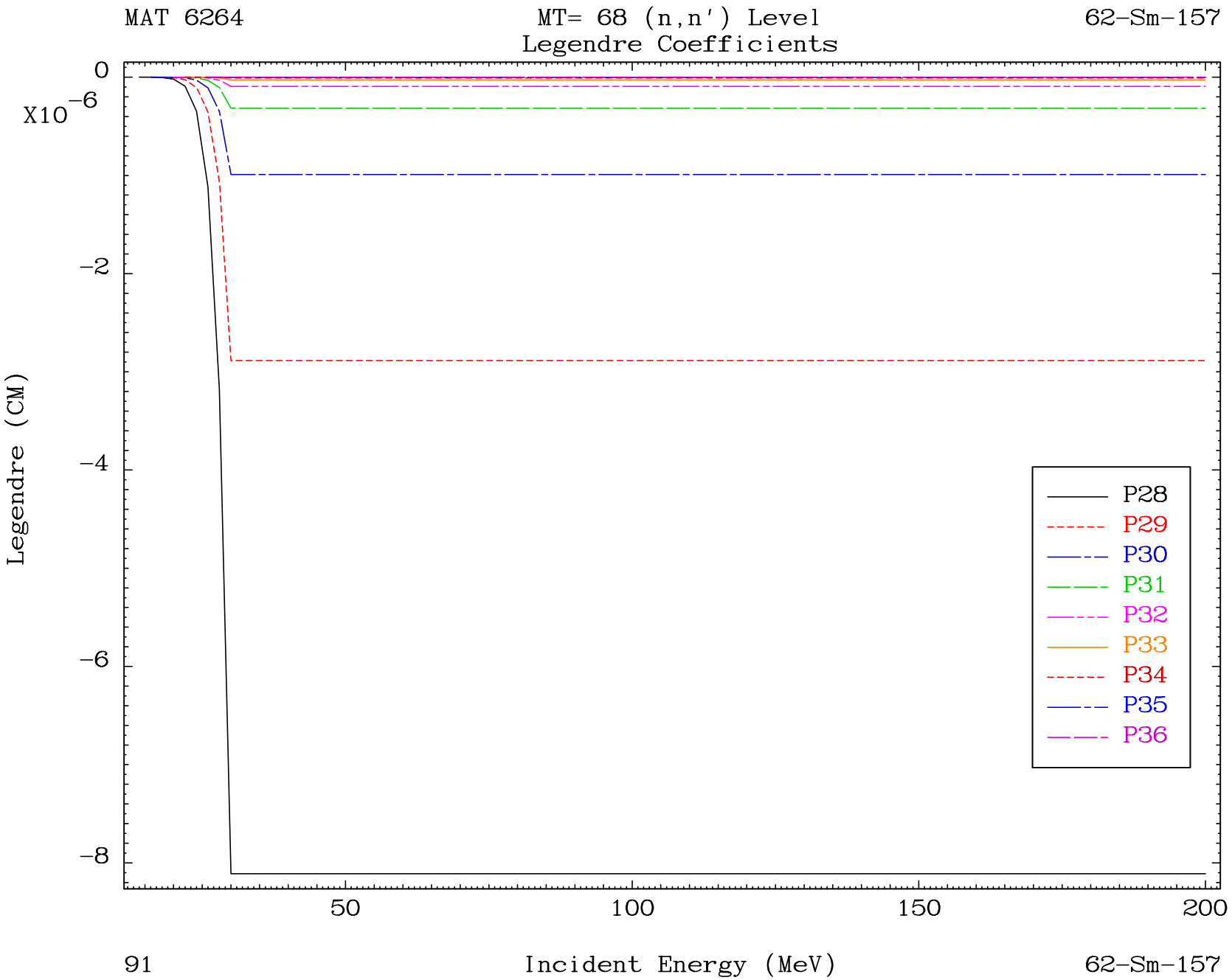

MAT 6264
MT= 67 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
86
Incident Energy (MeV)
62-Sm-157

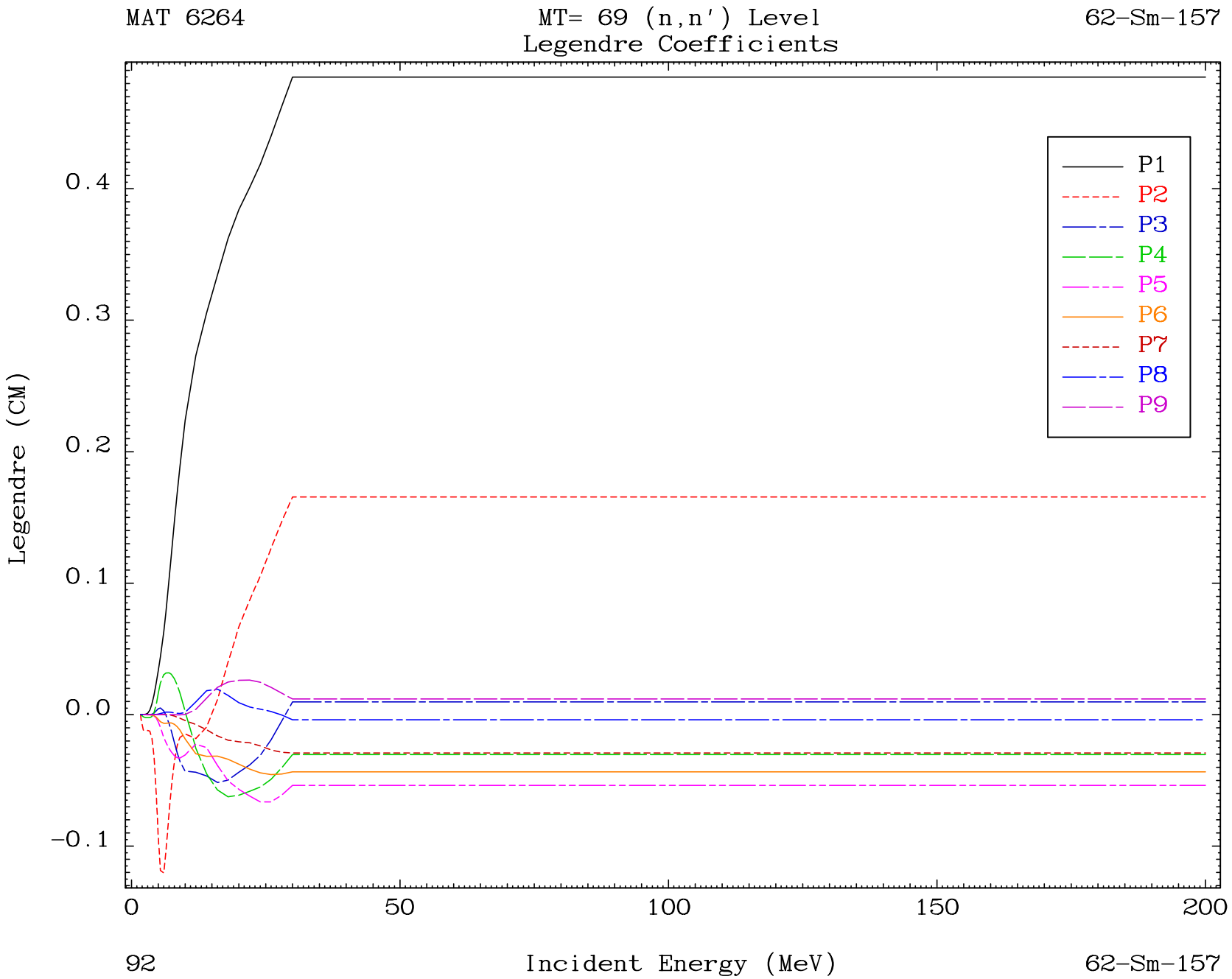

MAT 6264
MT= 67 (n,n') Level
Legendre Coefficients
62-Sm-157
X10 −6
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

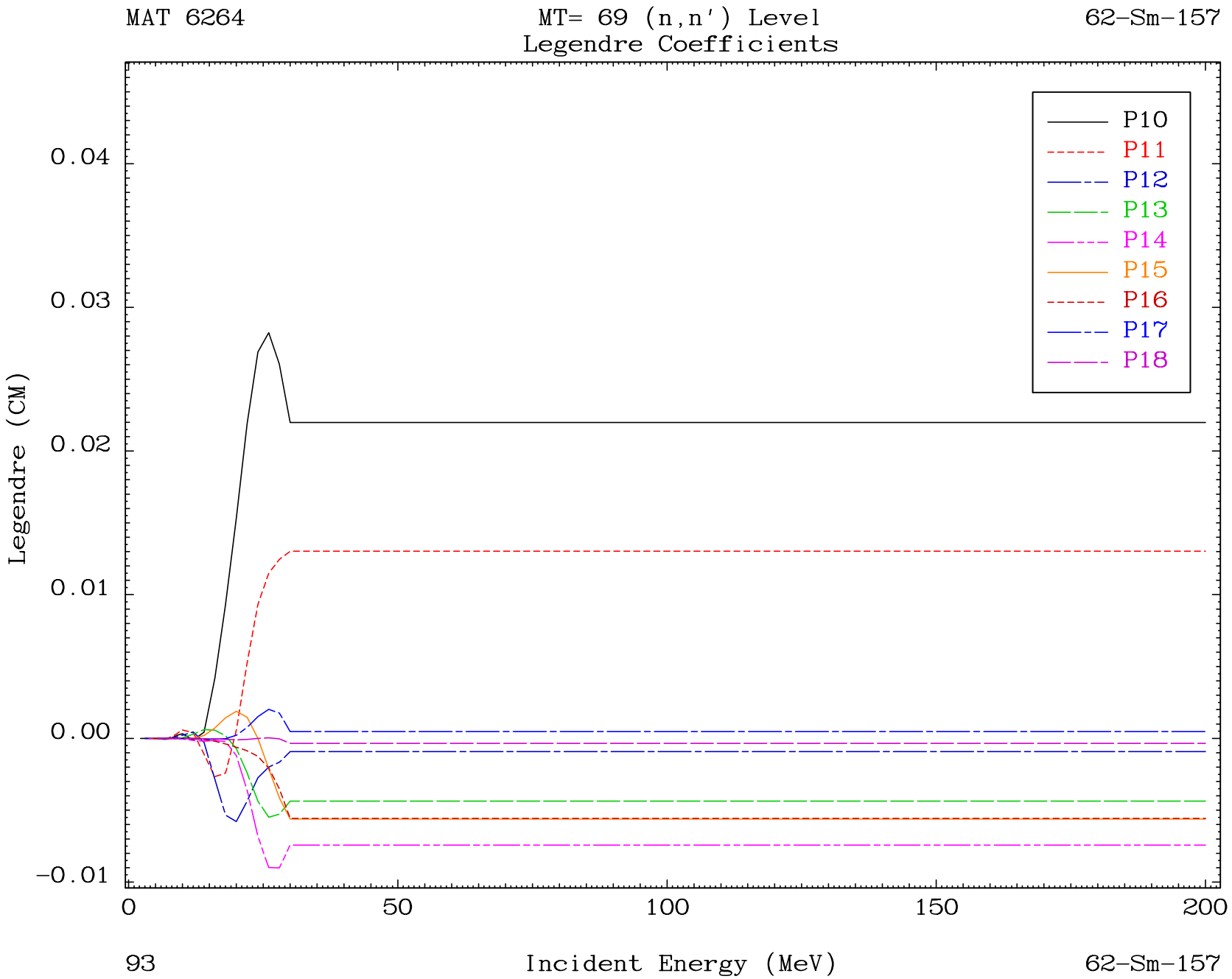

MAT 6264
MT= 68 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
88
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

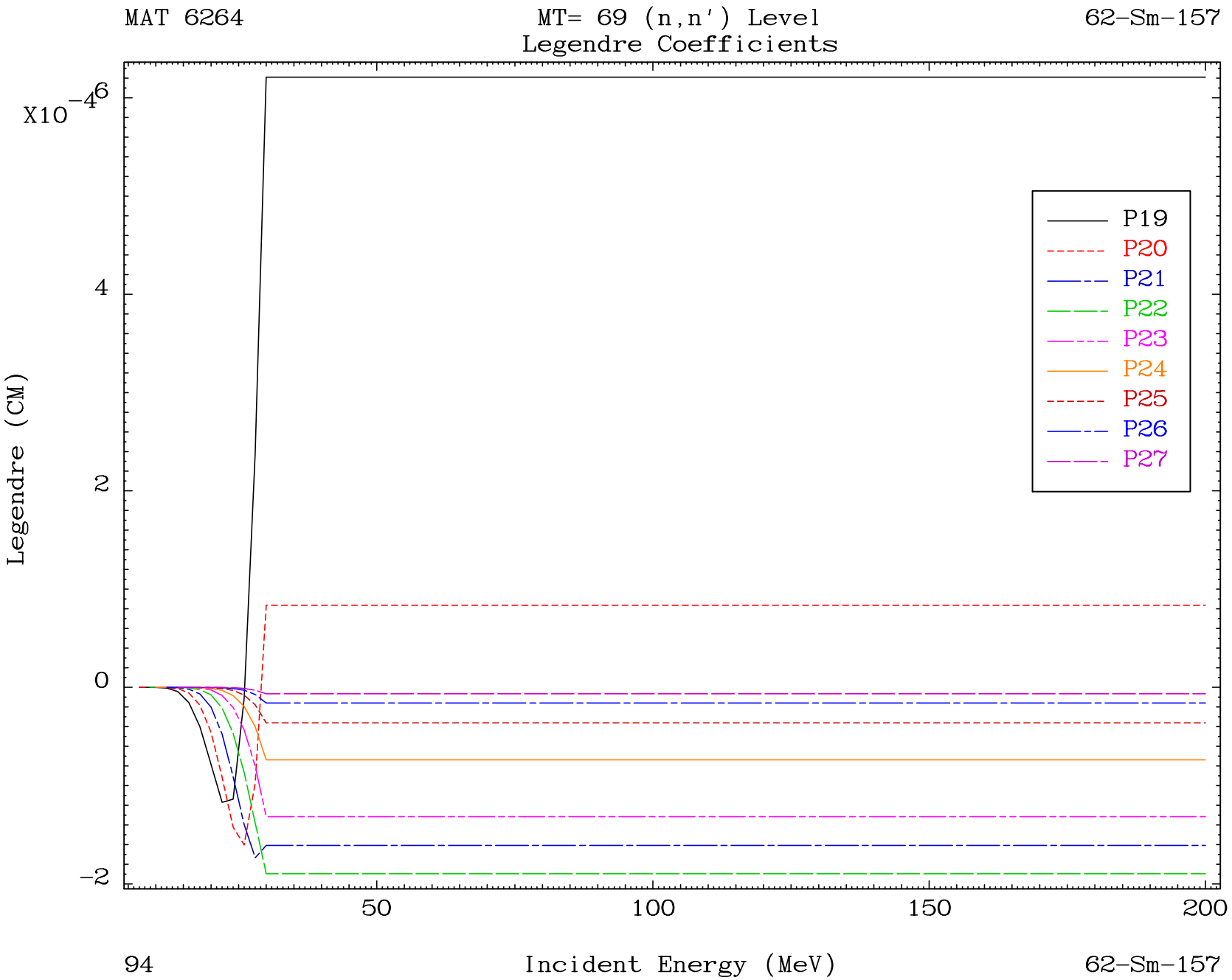

MAT 6264
MT= 68 (n,n') Level
Legendre Coefficients
62-Sm-157
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
89
Incident Energy (MeV)
62-Sm-157

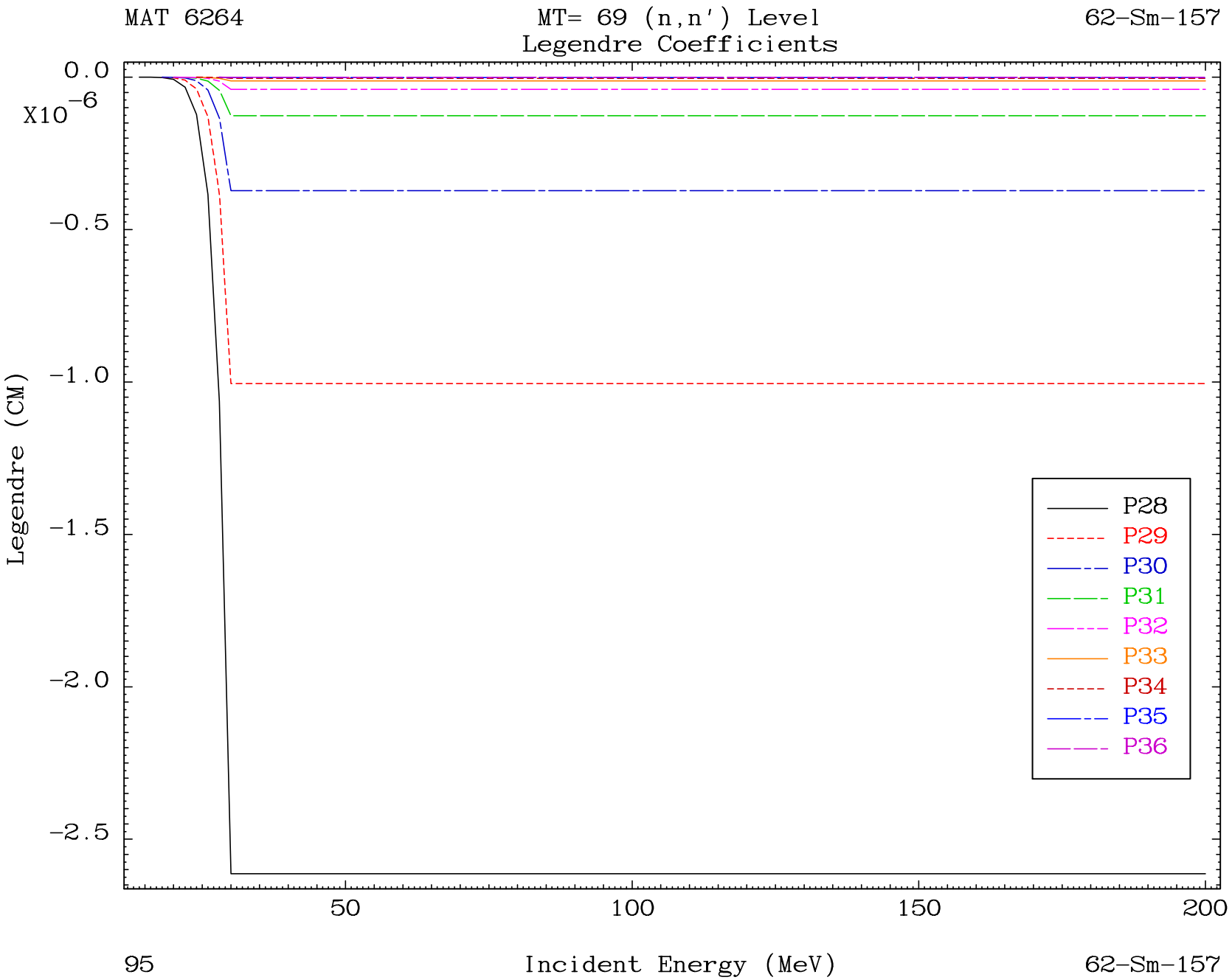

MAT 6264
MT= 68 (n,n') Level
Legendre Coefficients
62-Sm-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
90
Incident Energy (MeV)
62-Sm-157

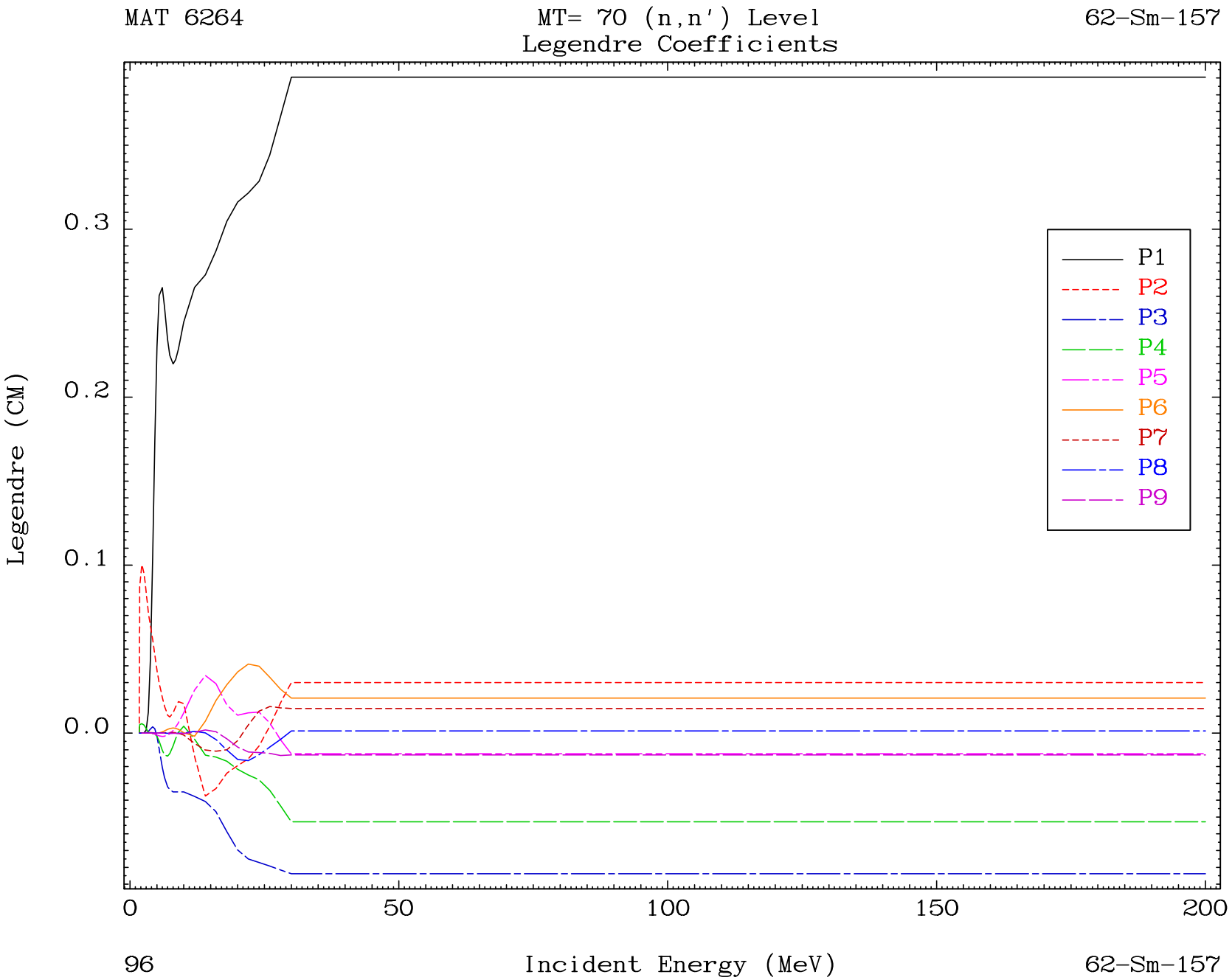

MAT 6264
MT= 68 (n,n') Level
Legendre Coefficients
62-Sm-157
0
X10−6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
91
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

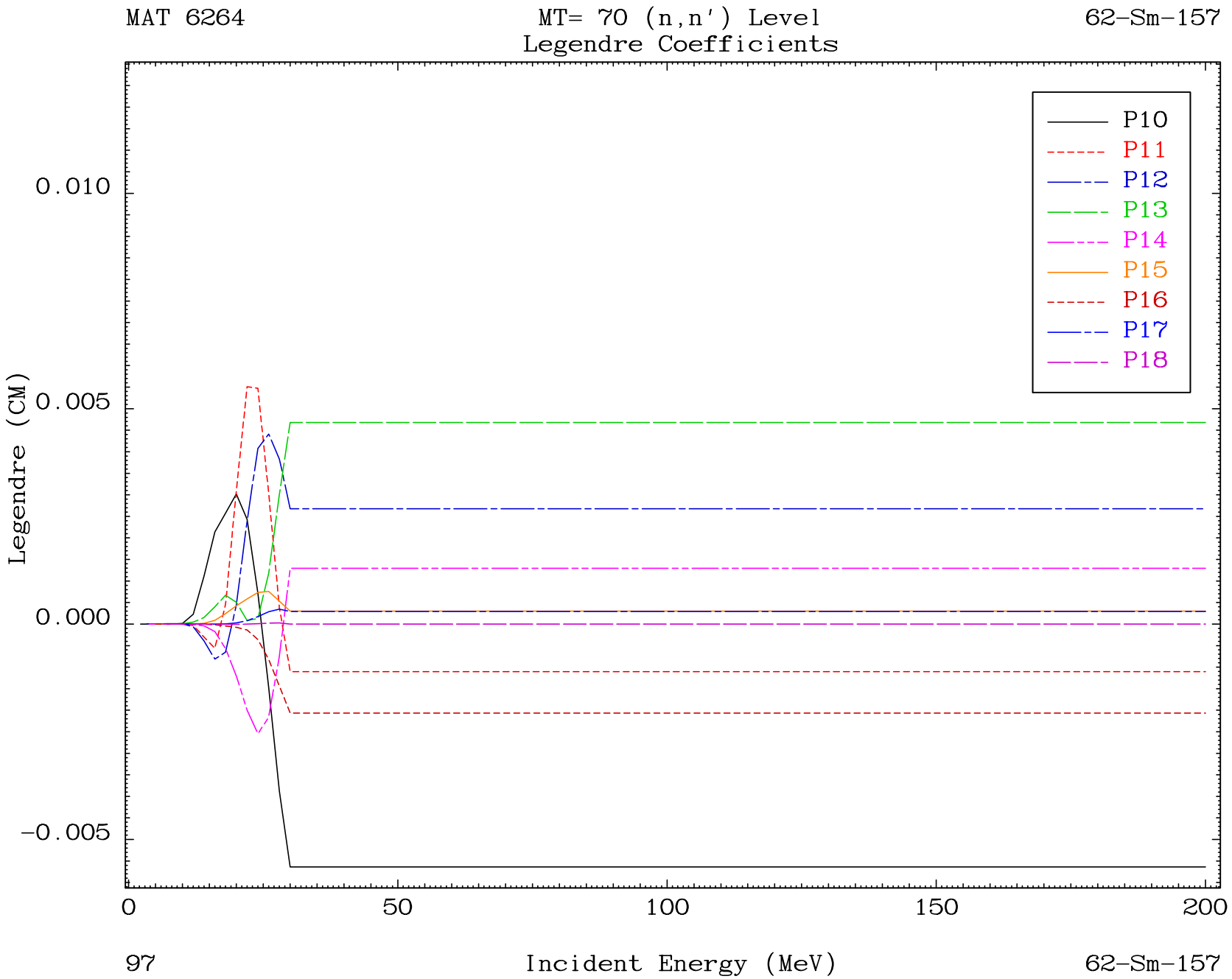

MAT 6264
MT= 69 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
92
Incident Energy (MeV)
62-Sm-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

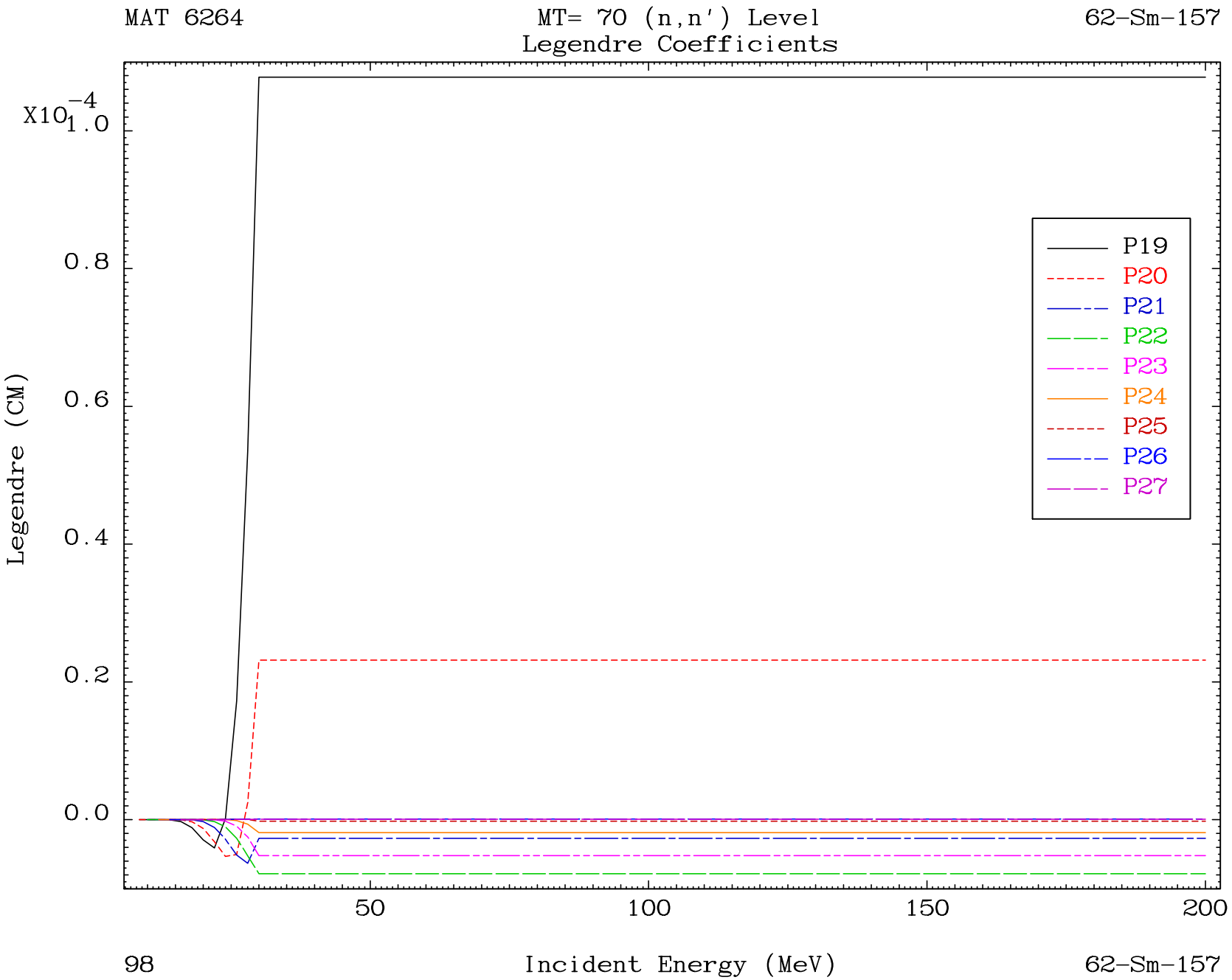

MAT 6264
MT= 69 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
93
Incident Energy (MeV)
62-Sm-157

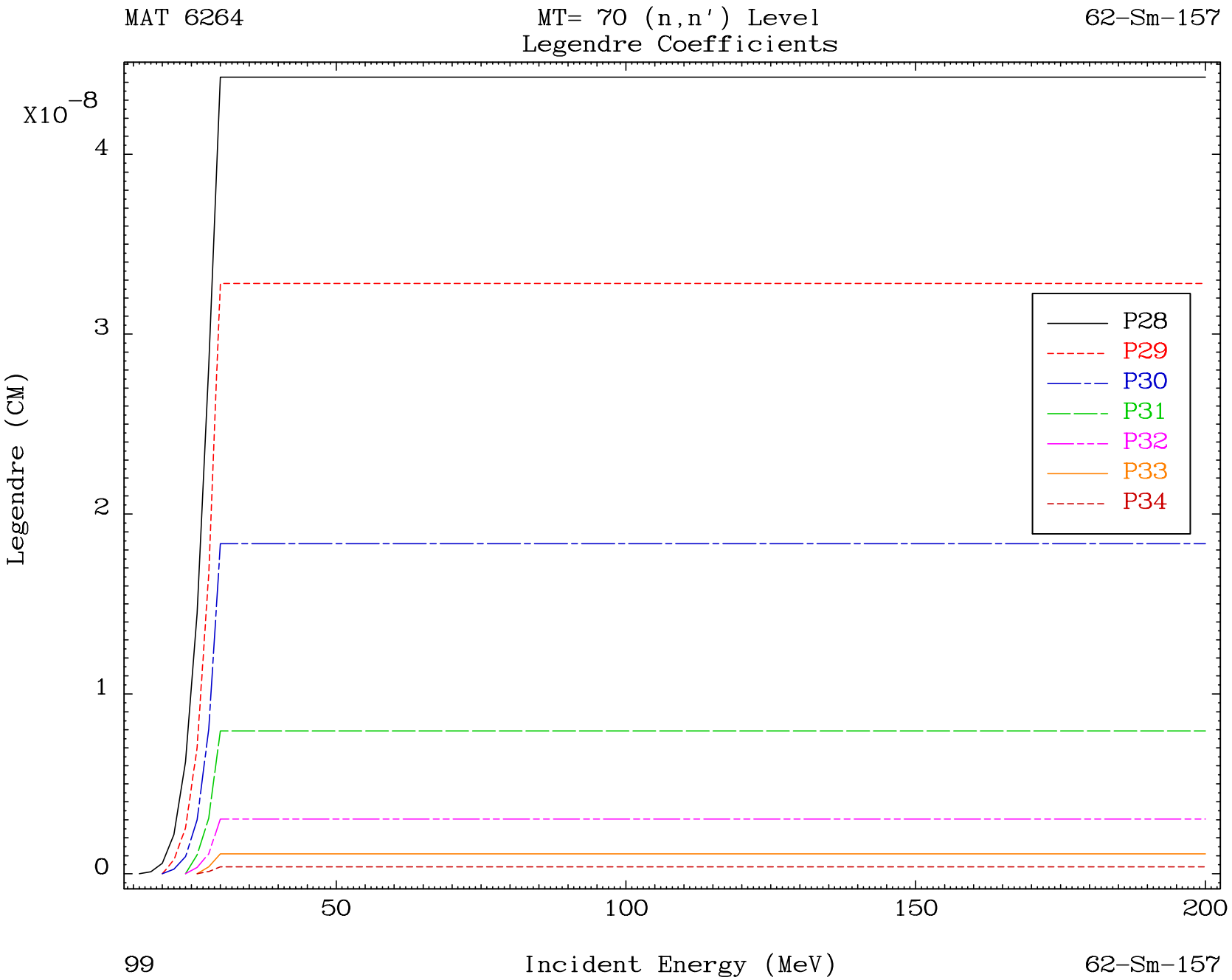

MAT 6264
MT= 69 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
6
4
2
0
-2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
94
Incident Energy (MeV)
62-Sm-157

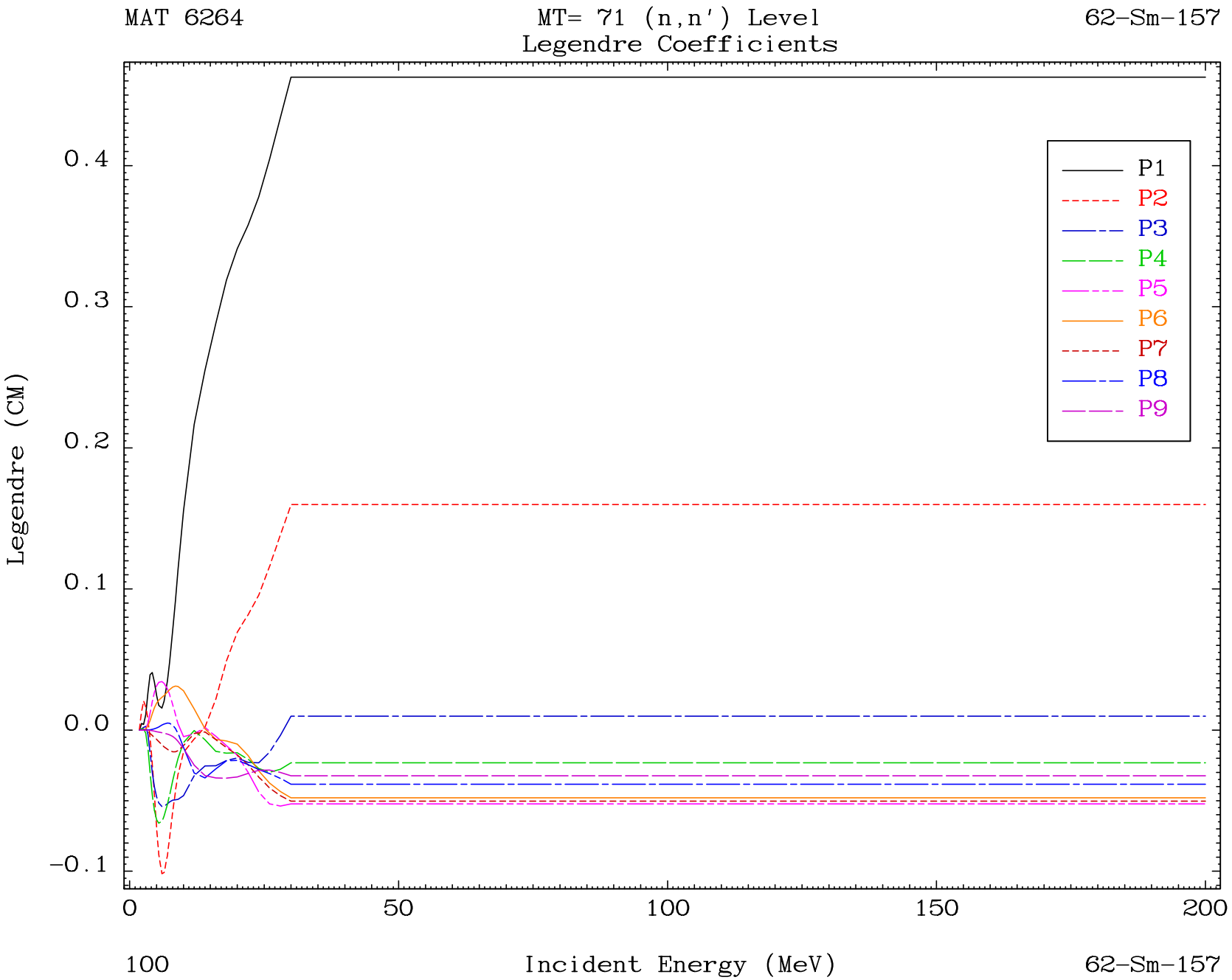

MAT 6264
MT= 69 (n,n') Level
Legendre Coefficients
62-Sm-157
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36

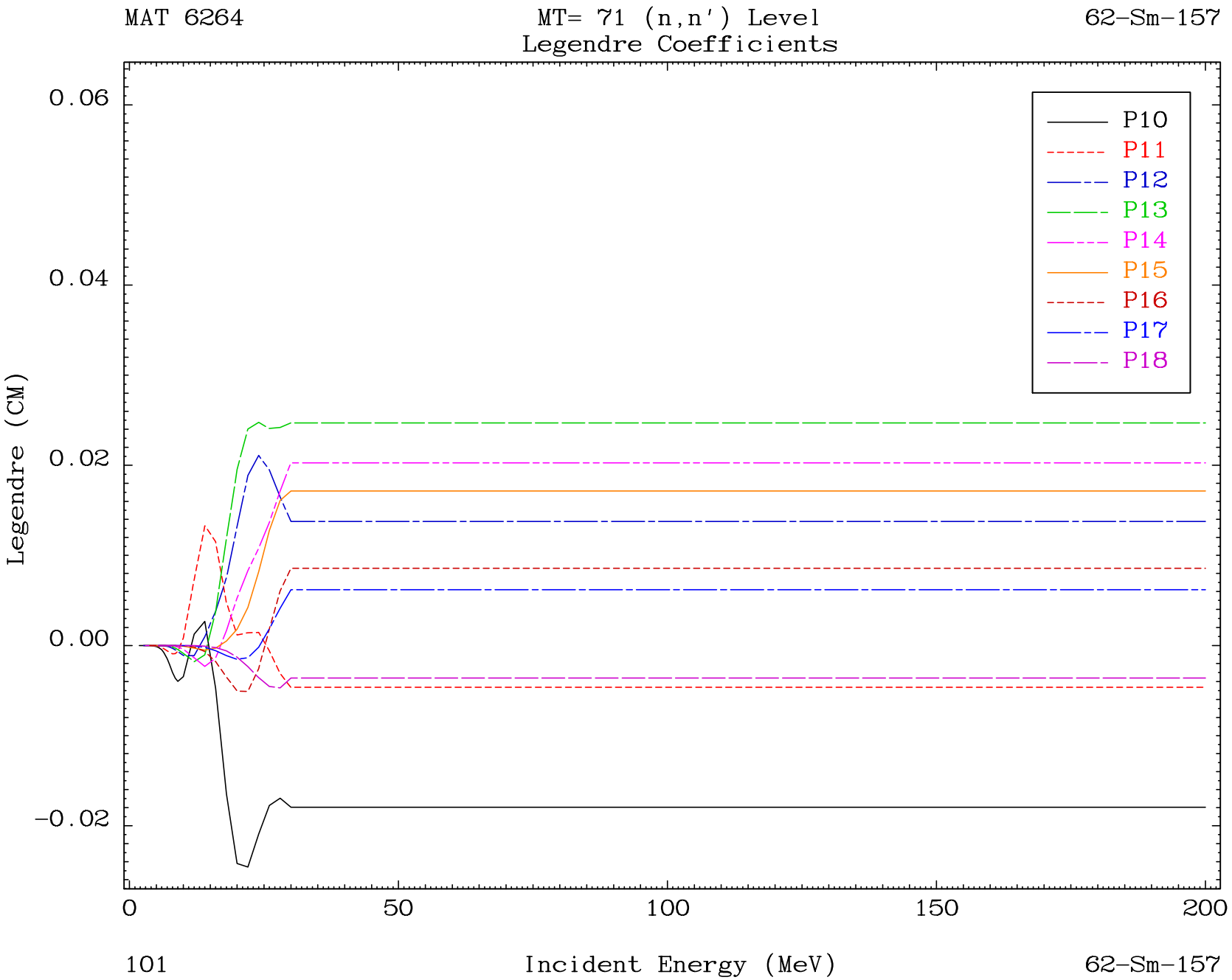

MAT 6264
MT= 70 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
96
Incident Energy (MeV)
62-Sm-157

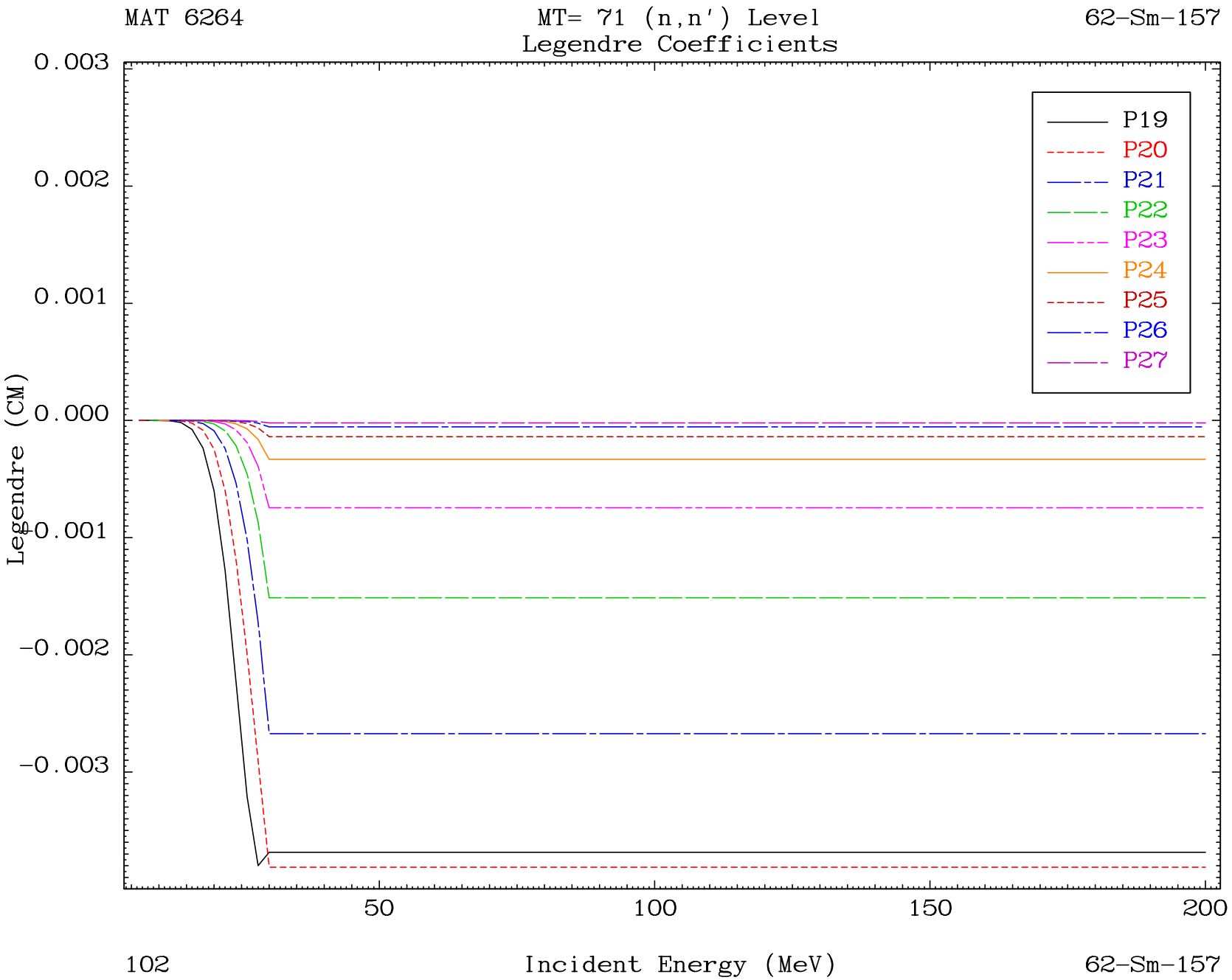

MAT 6264
MT= 70 (n,n') Level
Legendre Coefficients
62-Sm-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
97
Incident Energy (MeV)
62-Sm-157

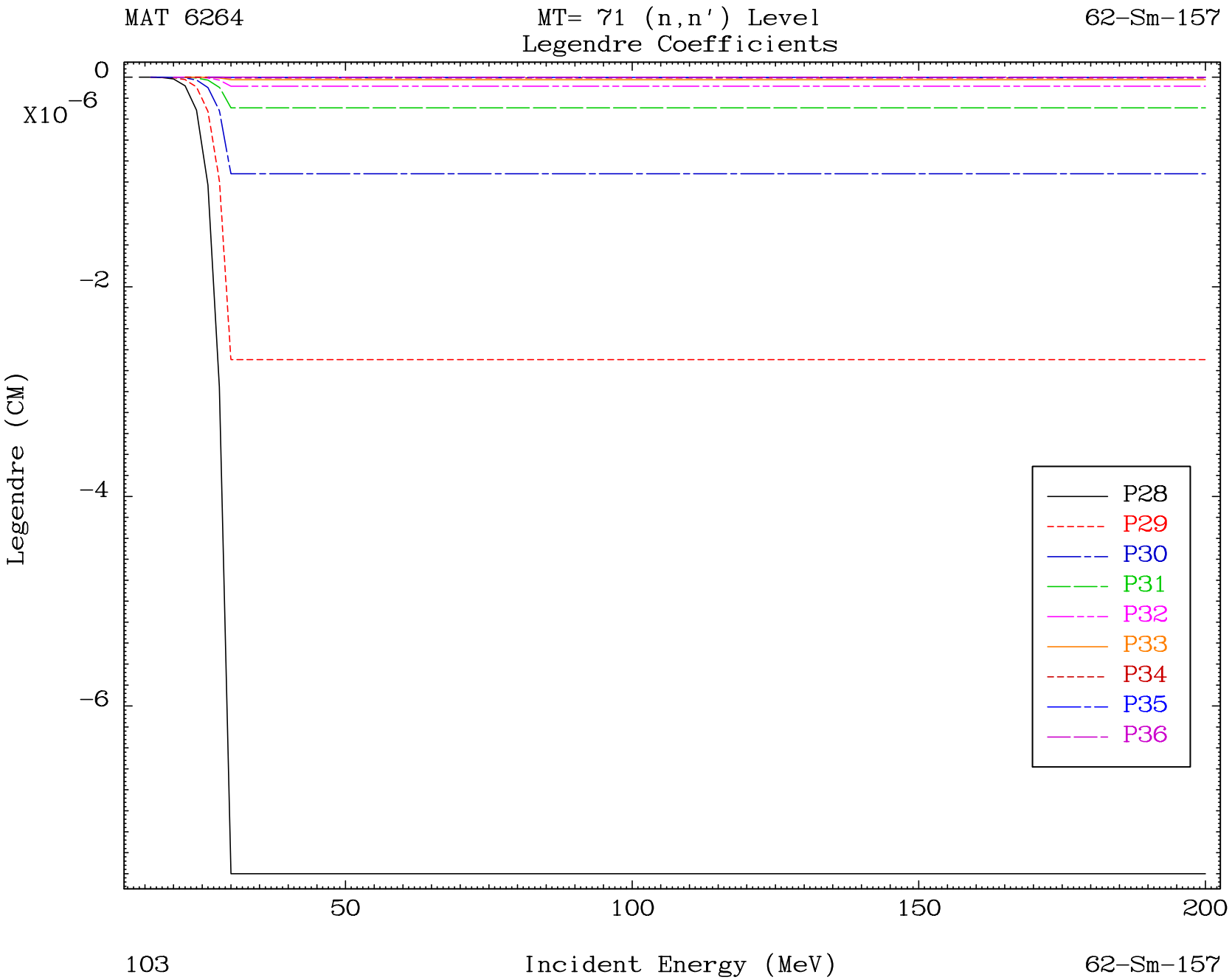

MAT 6264
MT= 70 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-4
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
98
Incident Energy (MeV)
62-Sm-157

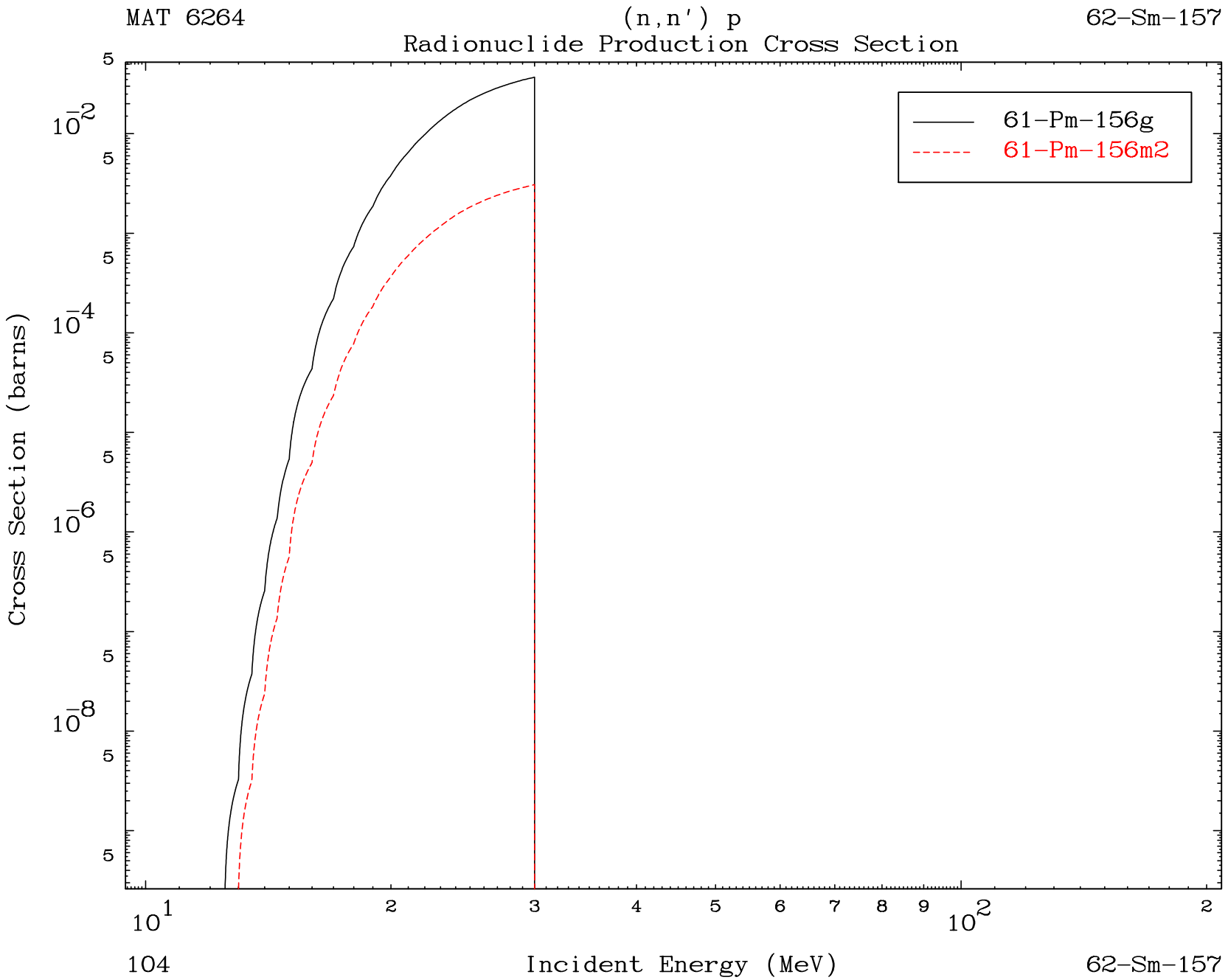

MAT 6264
MT= 70 (n,n') Level
Legendre Coefficients
62-Sm-157
X10^-8
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
99
Incident Energy (MeV)
62-Sm-157

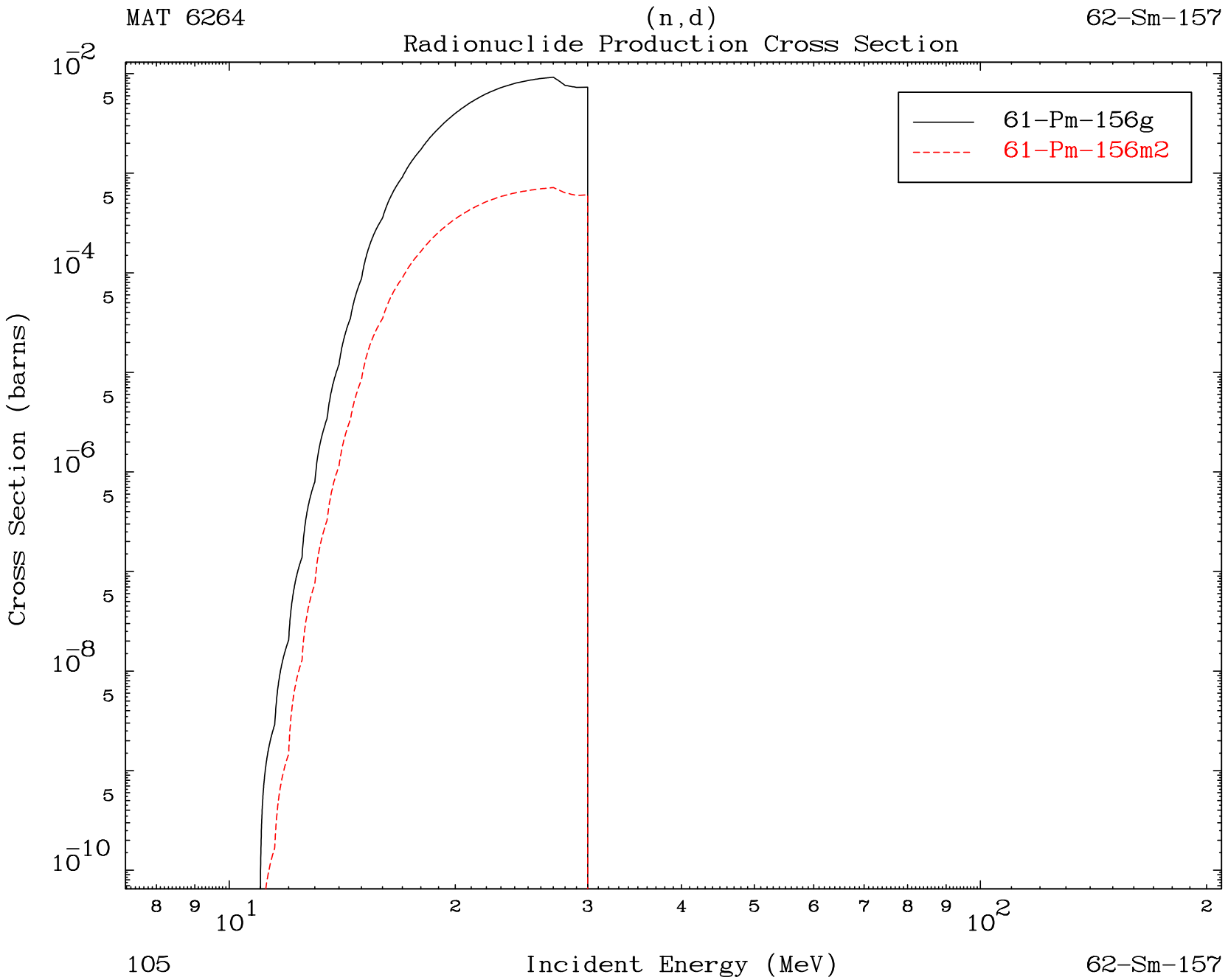

MAT 6264
MT= 71 (n,n') Level
Legendre Coefficients
62-Sm-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
100
Incident Energy (MeV)
62-Sm-157


MAT 6264
MT= 71 (n,n') Level
Legendre Coefficients
62-Sm-157
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
101
Incident Energy (MeV)
62-Sm-157


MAT 6264
MT= 71 (n,n') Level
Legendre Coefficients
62-Sm-157
0.003
0.002
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
102
Incident Energy (MeV)
62-Sm-157


MAT 6264
MT= 71 (n,n') Level
Legendre Coefficients
62-Sm-157
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
103
Incident Energy (MeV)
62-Sm-157
P28
P29
P30
P31
P32
P33
P34
P35
P36


MAT 6264
(n,n') p
62-Sm-157
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
104
62-Sm-157


MAT 6264
(n,d)
62-Sm-157
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
105
62-Sm-157