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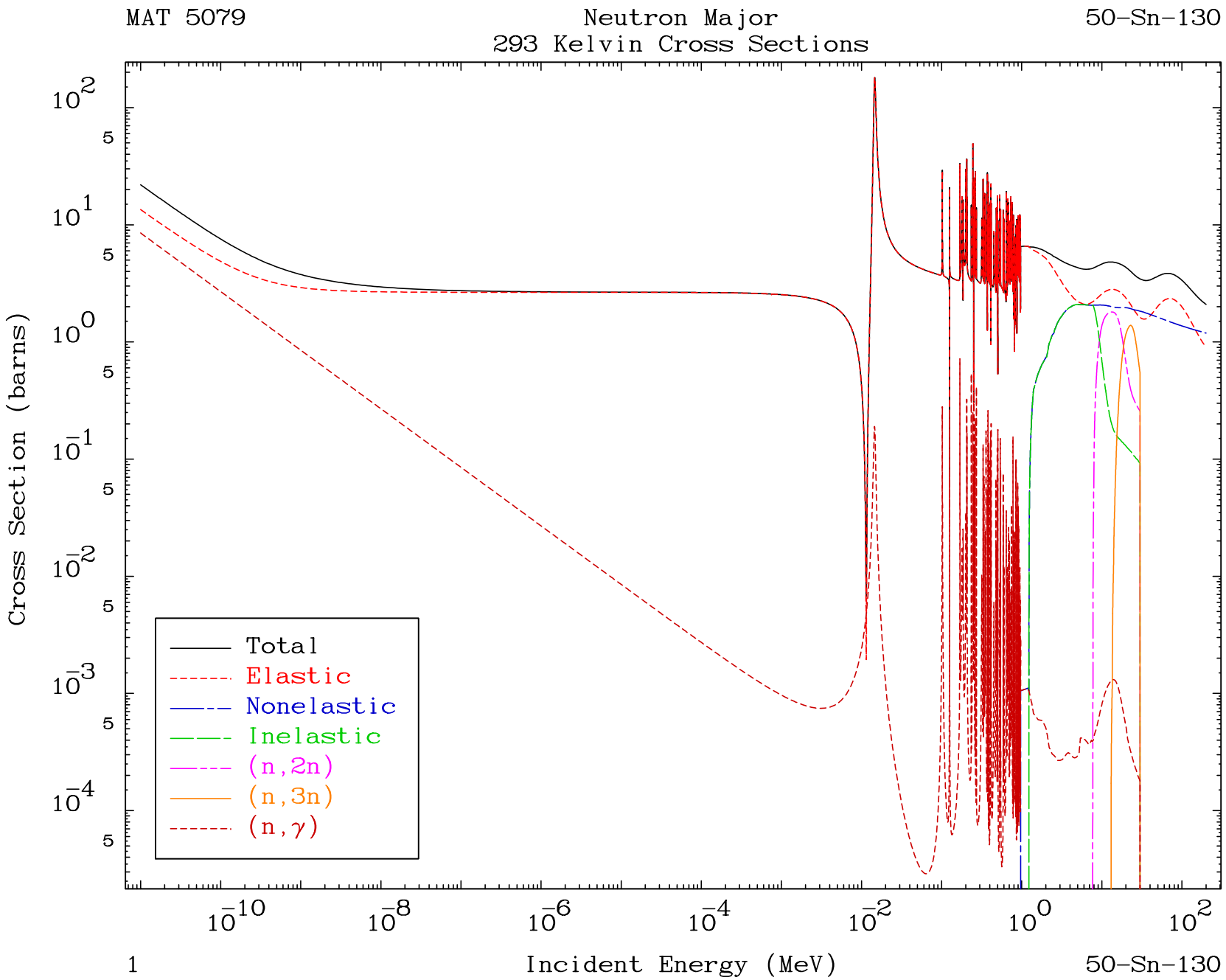
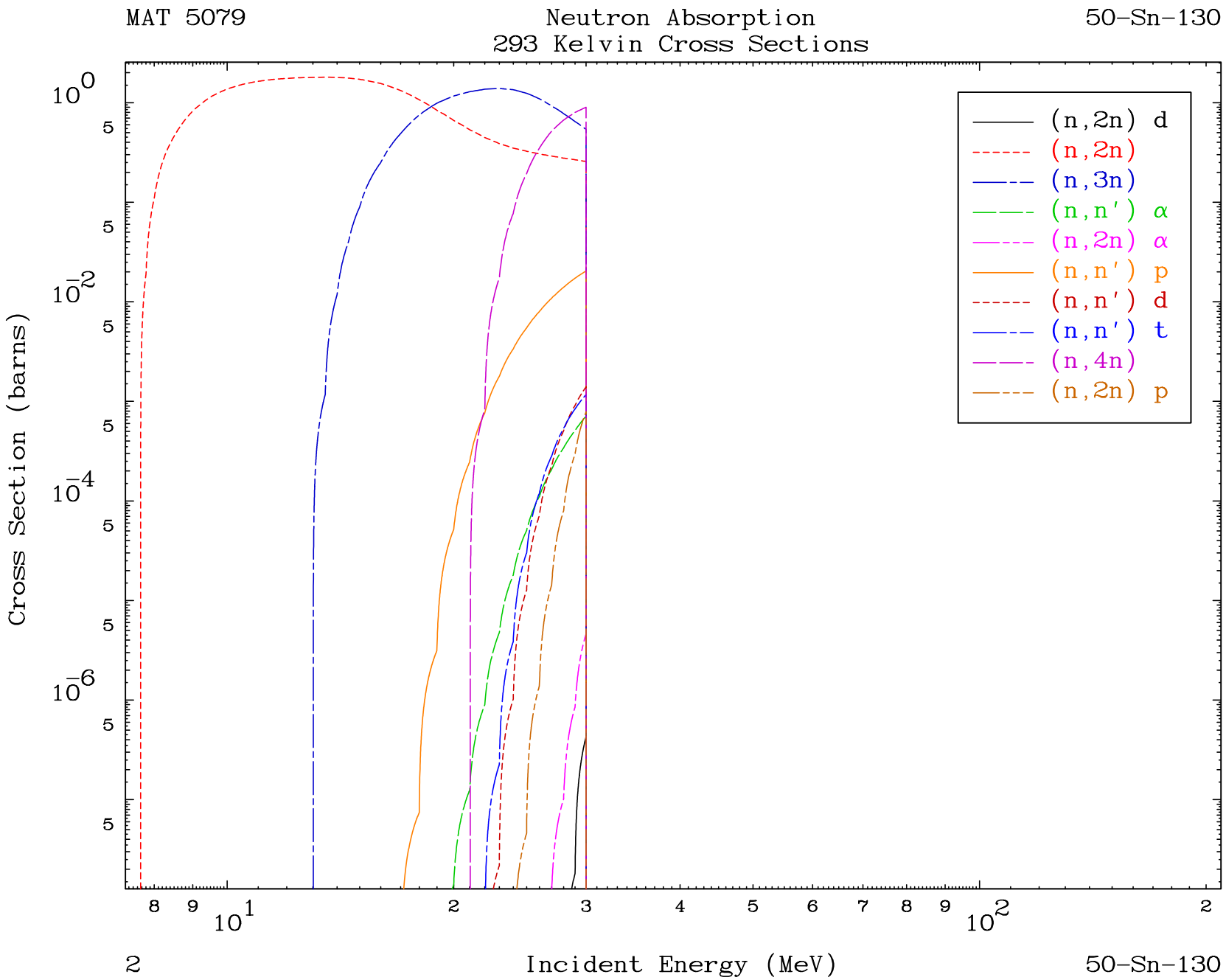
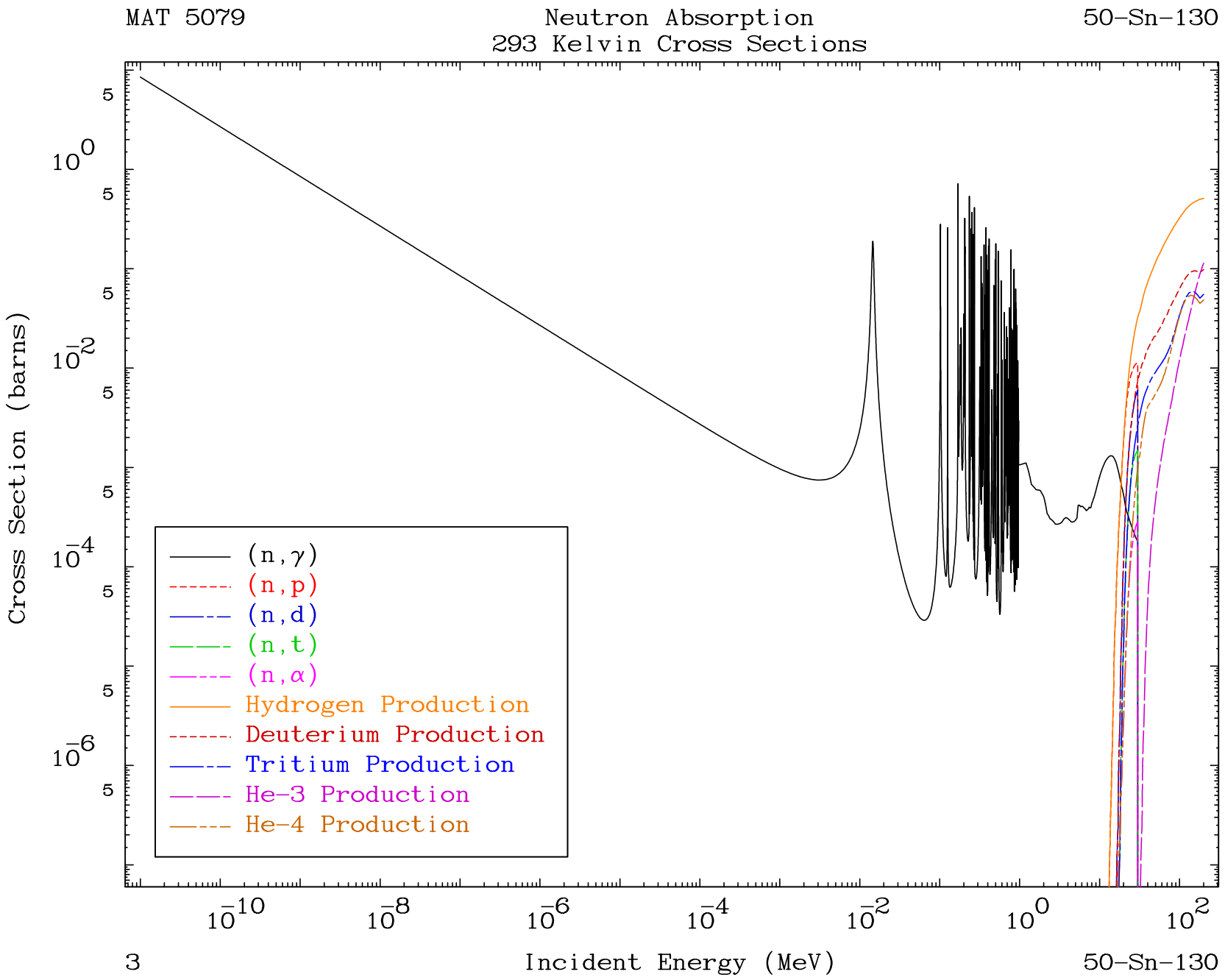
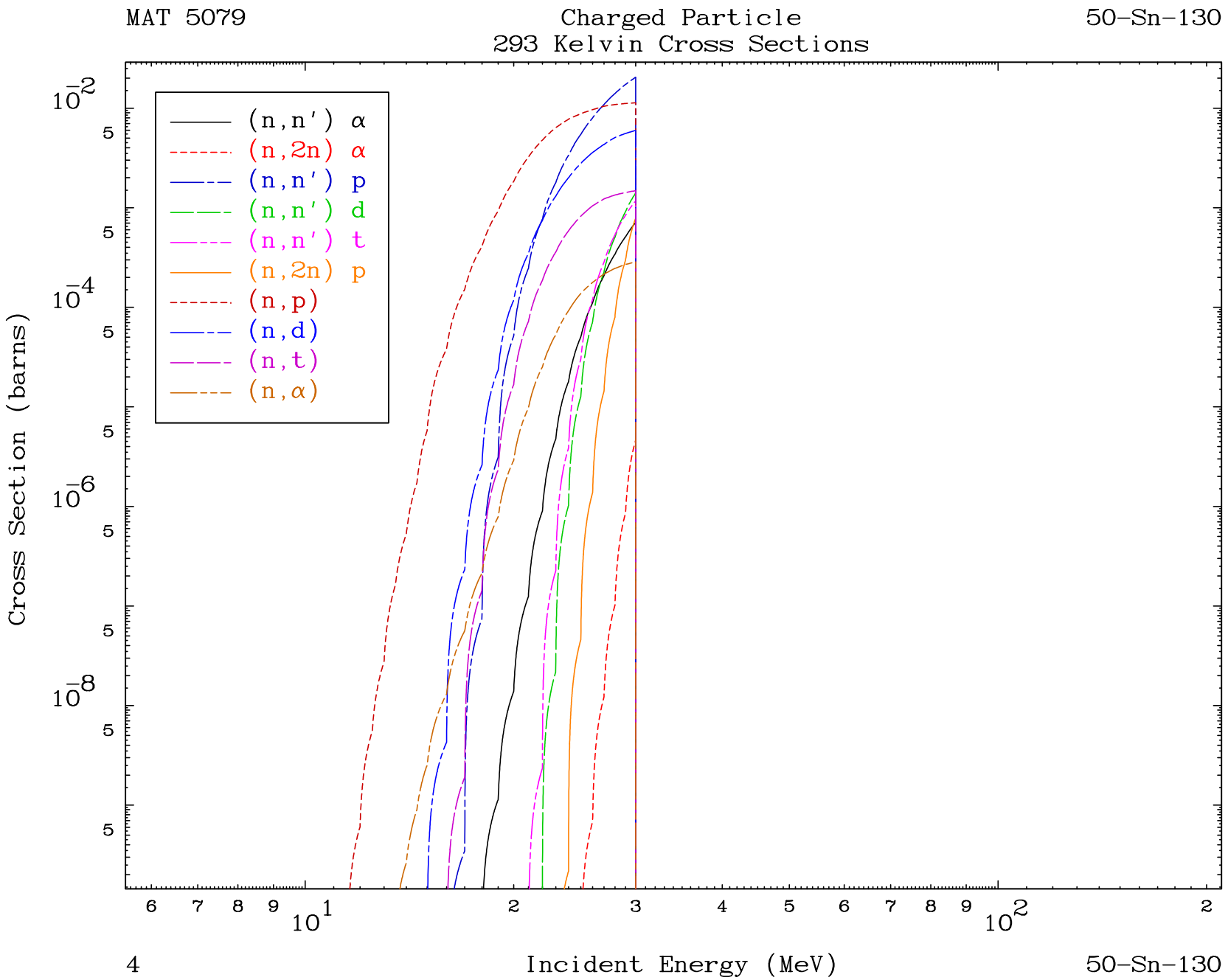
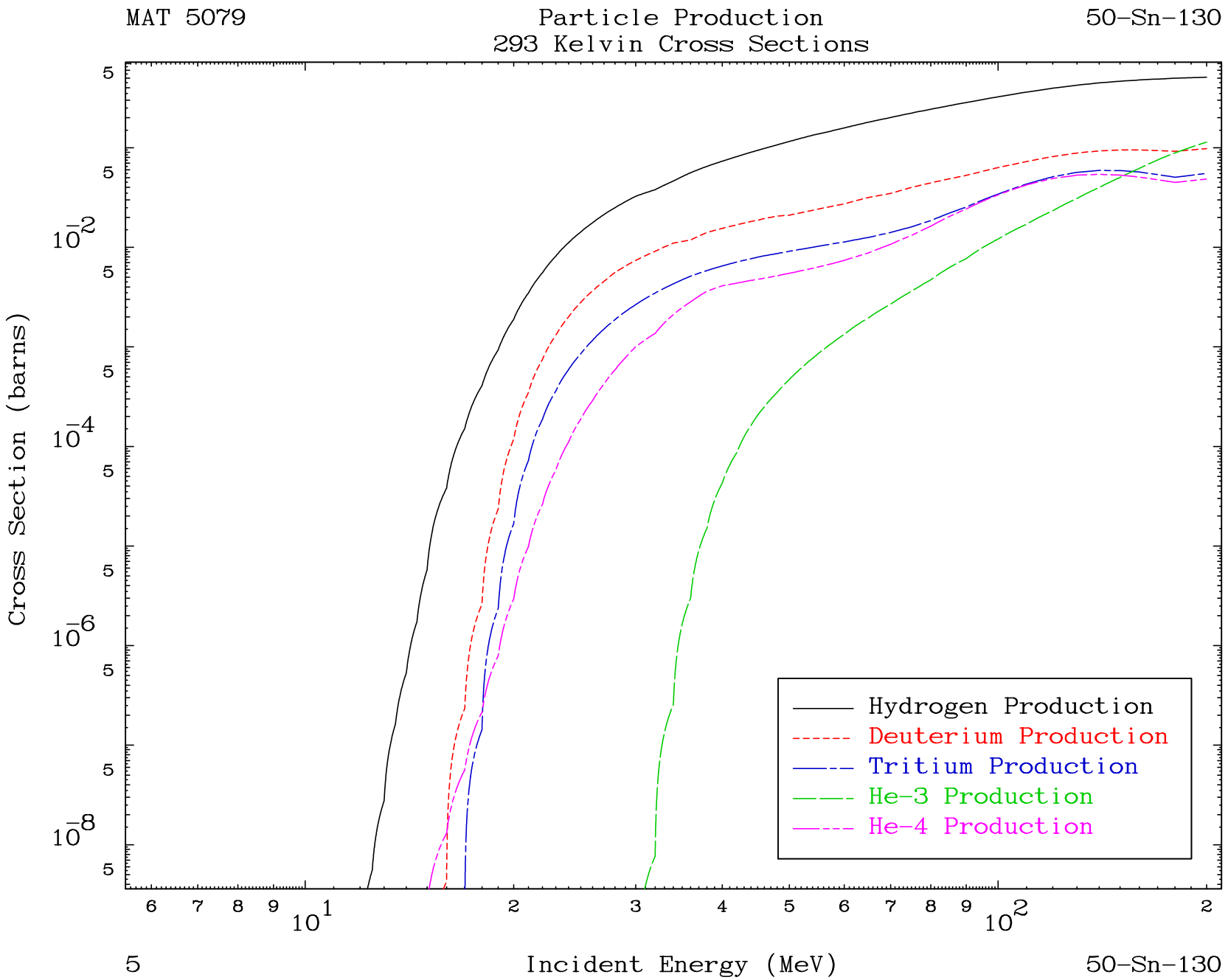
Press Mouse Button to Start

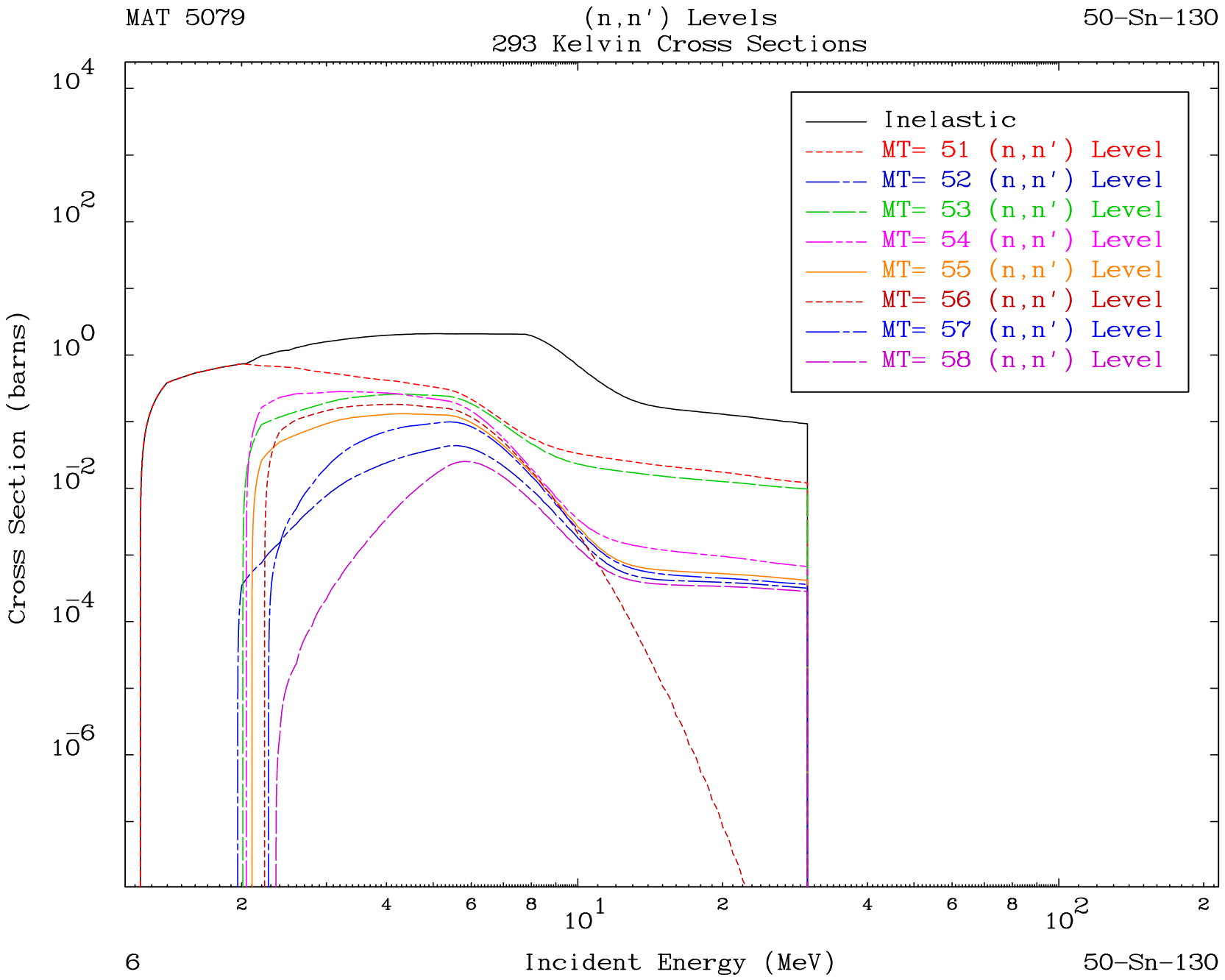

MAT 5079
Neutron Major
293 Kelvin Cross Sections
50-Sn-130
Cross Section (barns)
Incident Energy (MeV)
50-Sn-130
1
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)

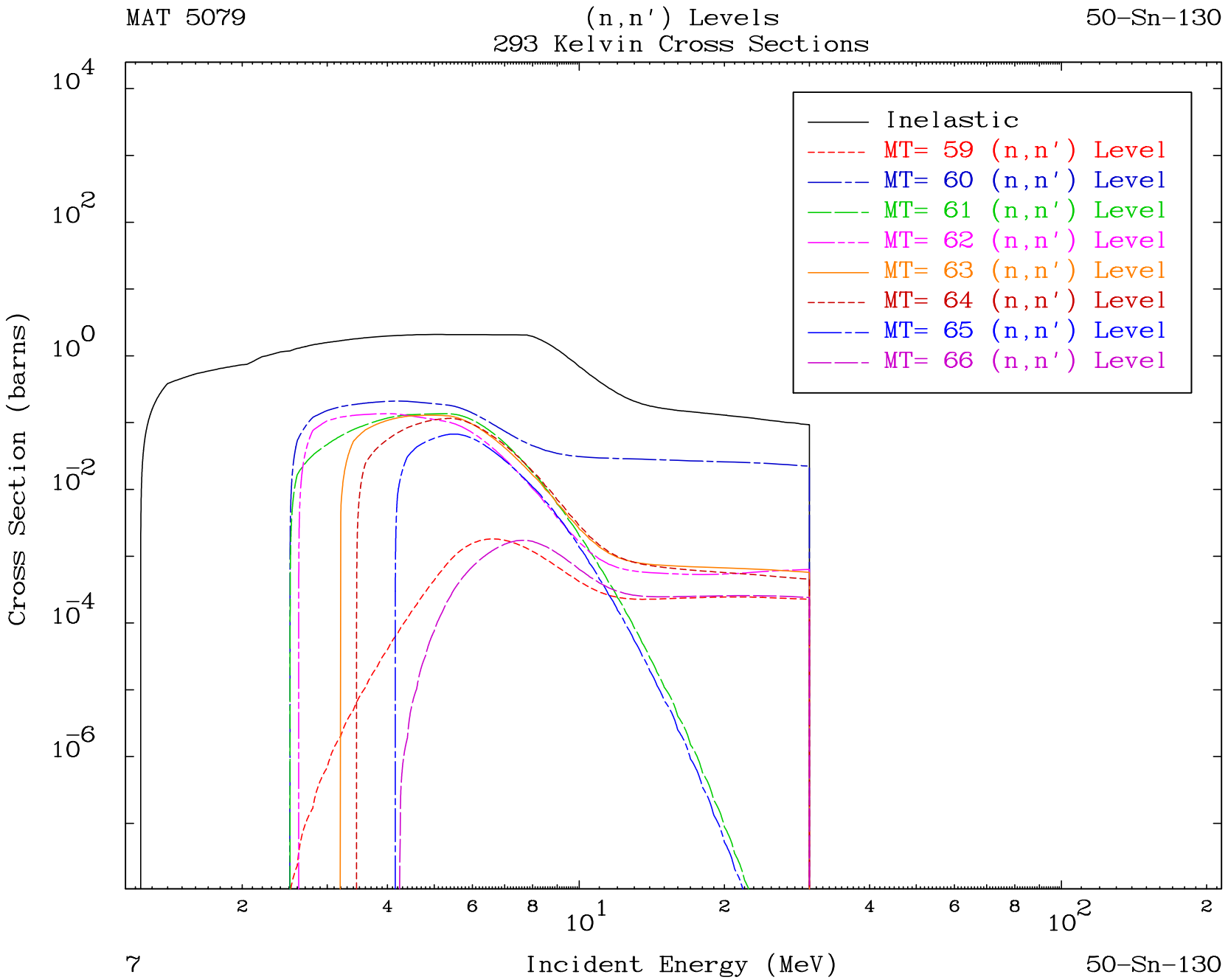

MAT 5079
Neutron Absorption
293 Kelvin Cross Sections
50-Sn-130
Cross Section (barns)
Incident Energy (MeV)
50-Sn-130
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,4n)
(n,2n) p

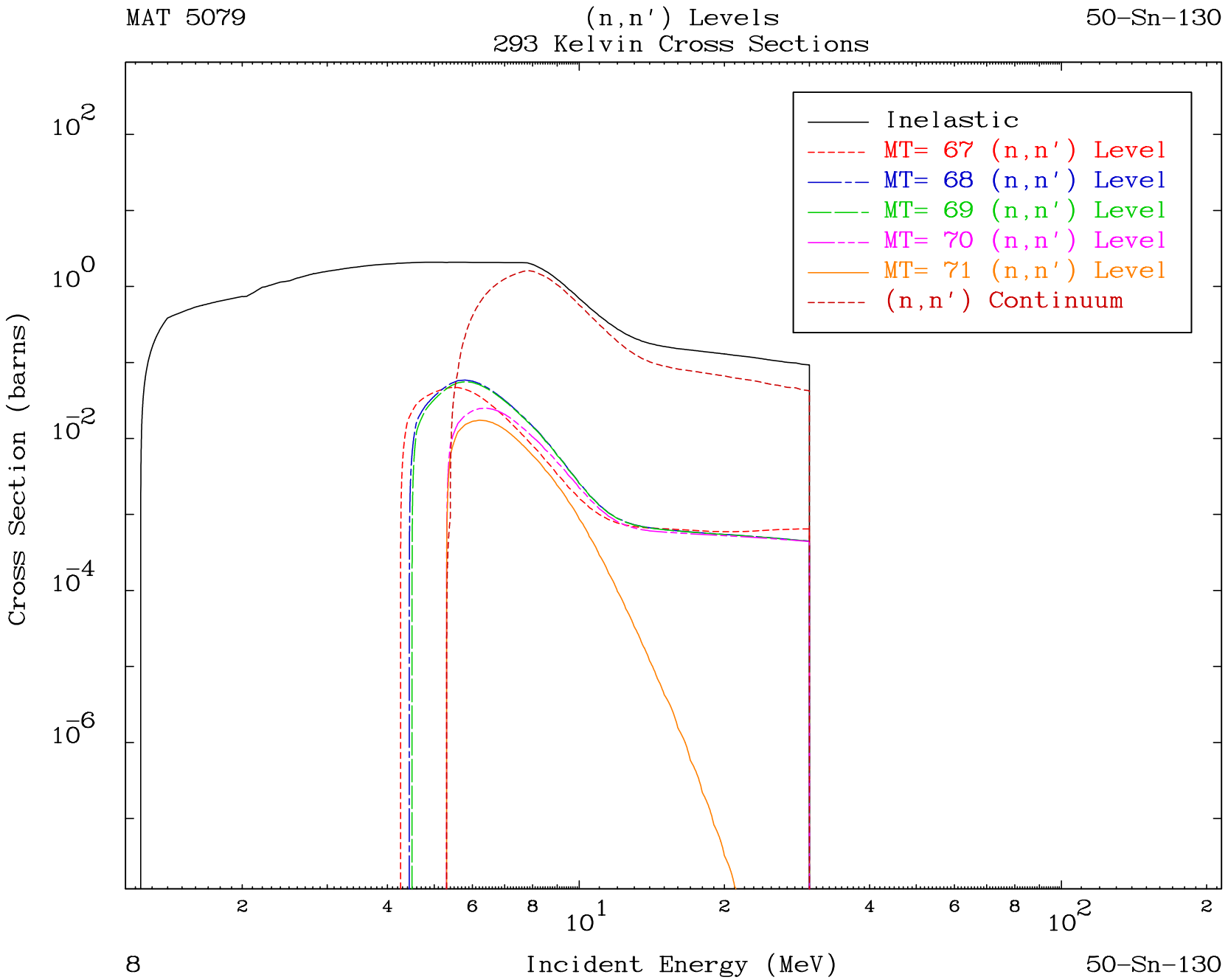

MAT 5079
Neutron Absorption
293 Kelvin Cross Sections
50-Sn-130
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
50-Sn-130

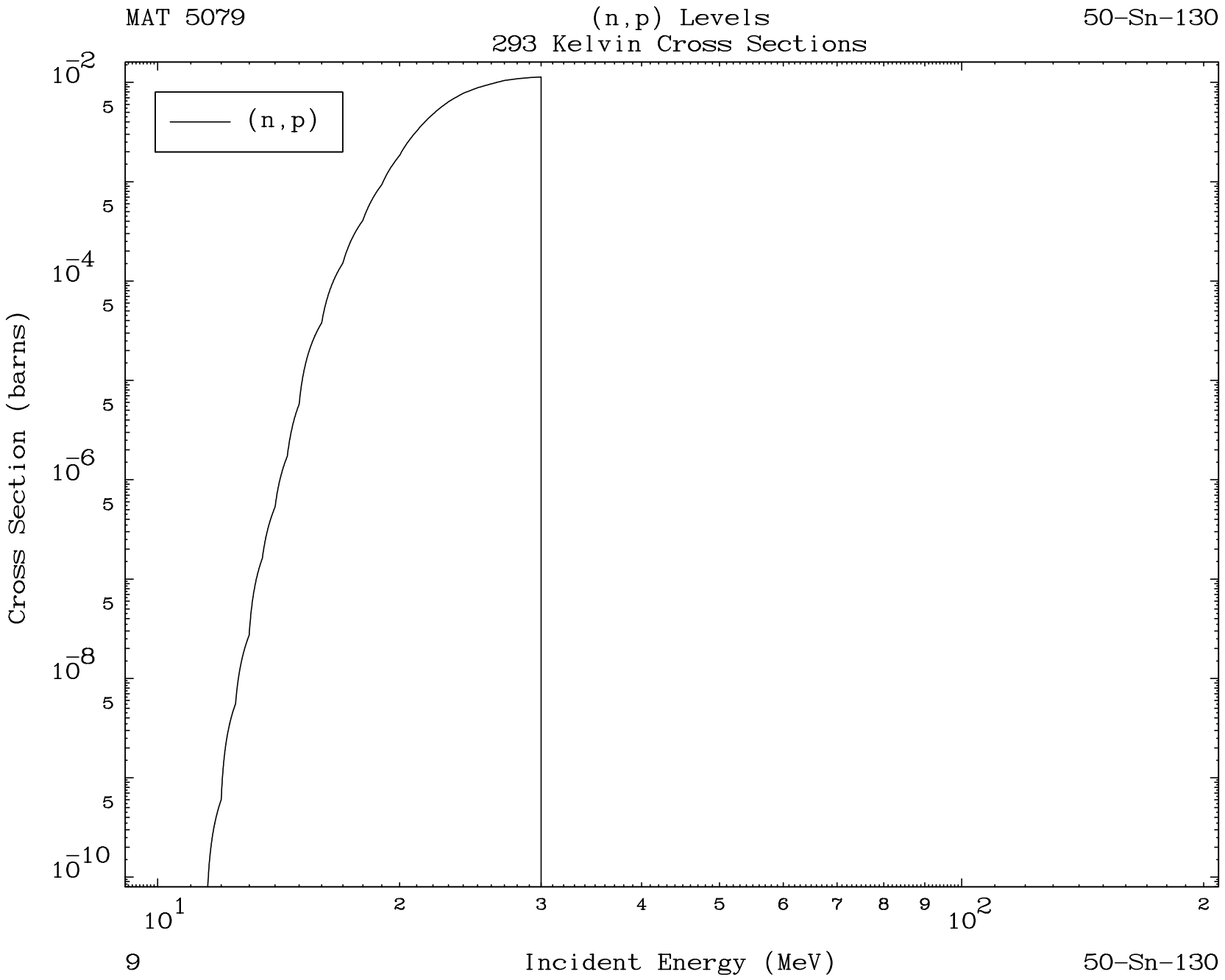

MAT 5079
Charged Particle
50-Sn-130
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-130
4

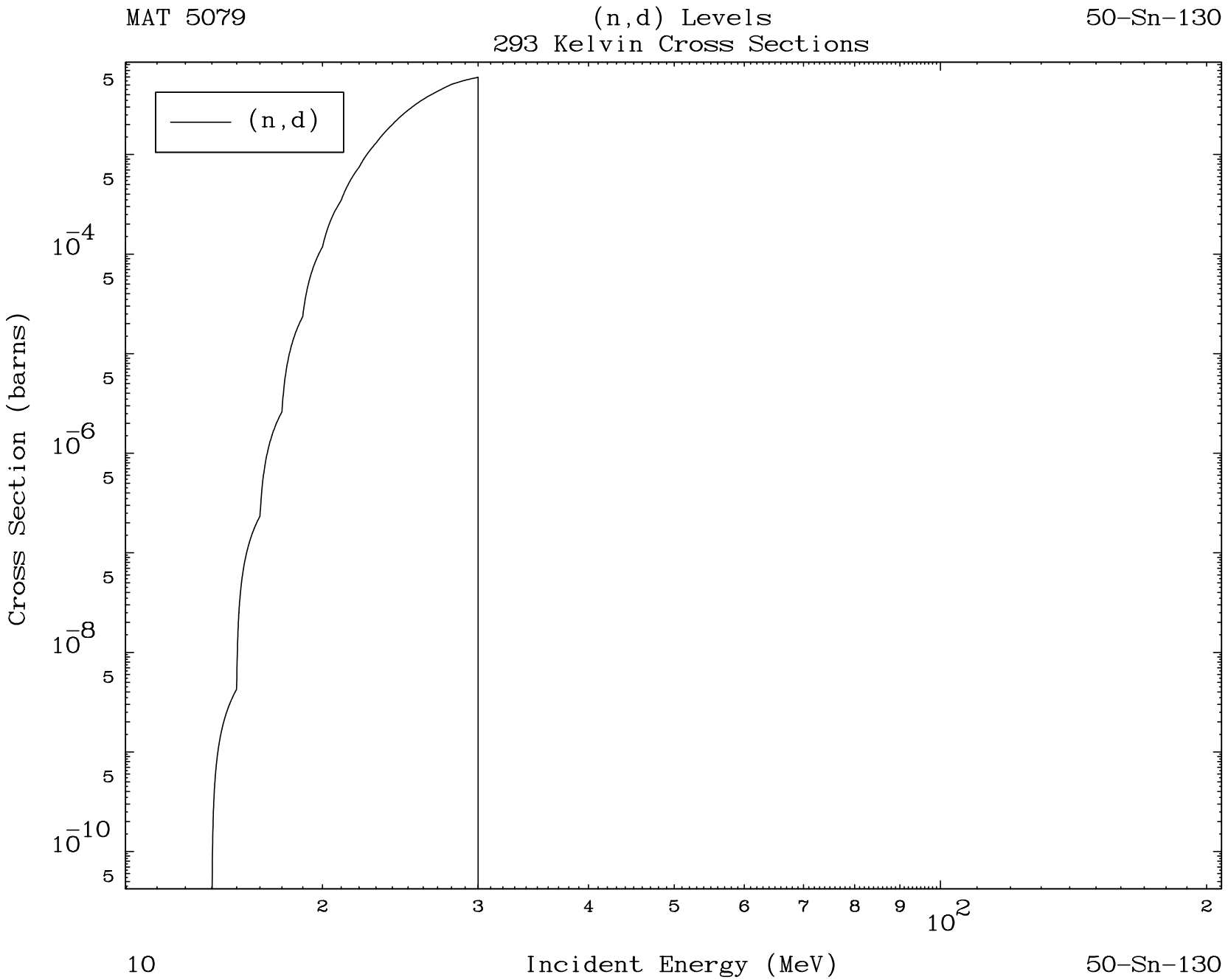

MAT 5079
Particle Production
293 Kelvin Cross Sections
50-Sn-130
Cross Section (barns)
Incident Energy (MeV)
50-Sn-130
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production


MAT 5079
(n,n') Levels
293 Kelvin Cross Sections
50-Sn-130
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)
6
50-Sn-130

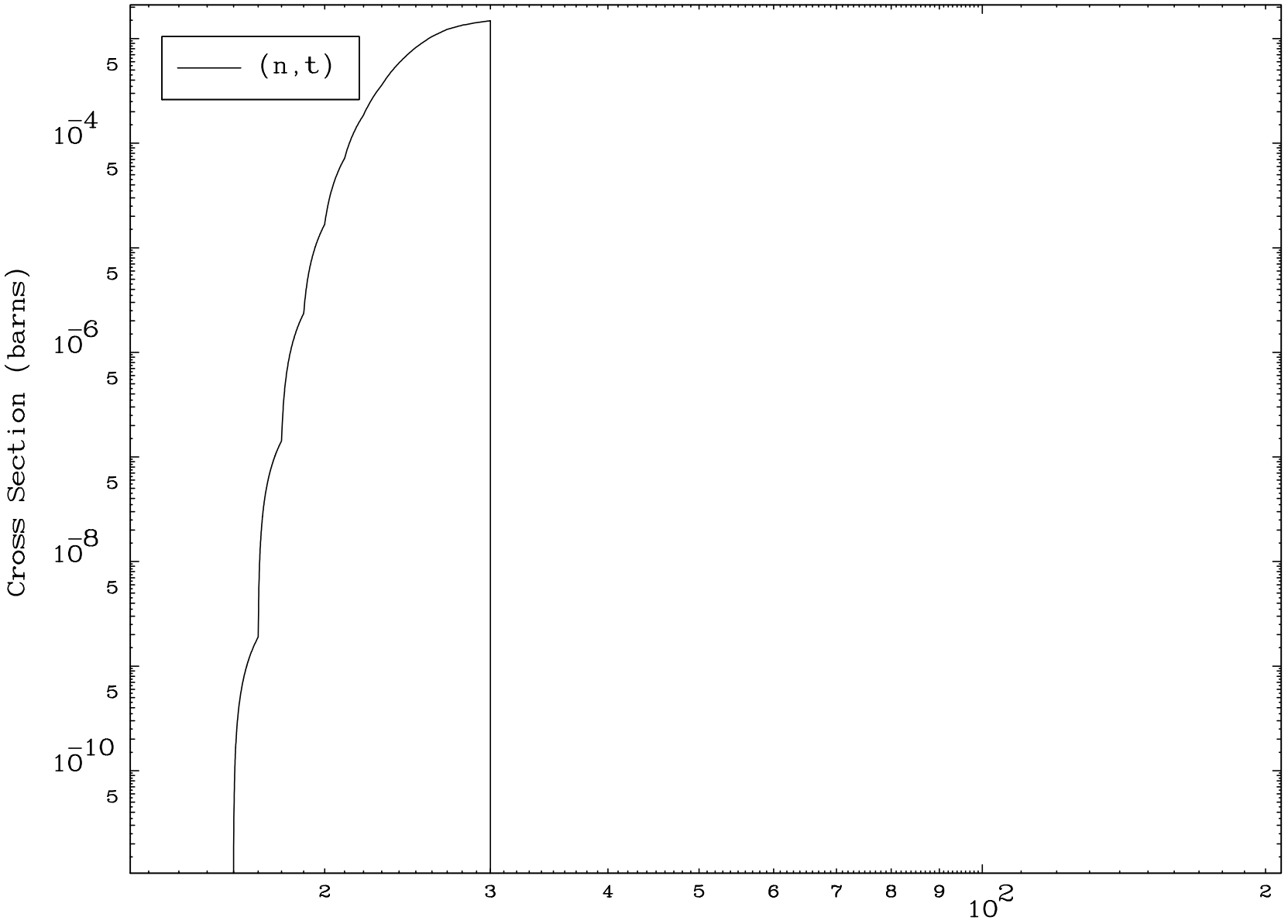

MAT 5079
(n,n') Levels
293 Kelvin Cross Sections
50-Sn-130
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-130

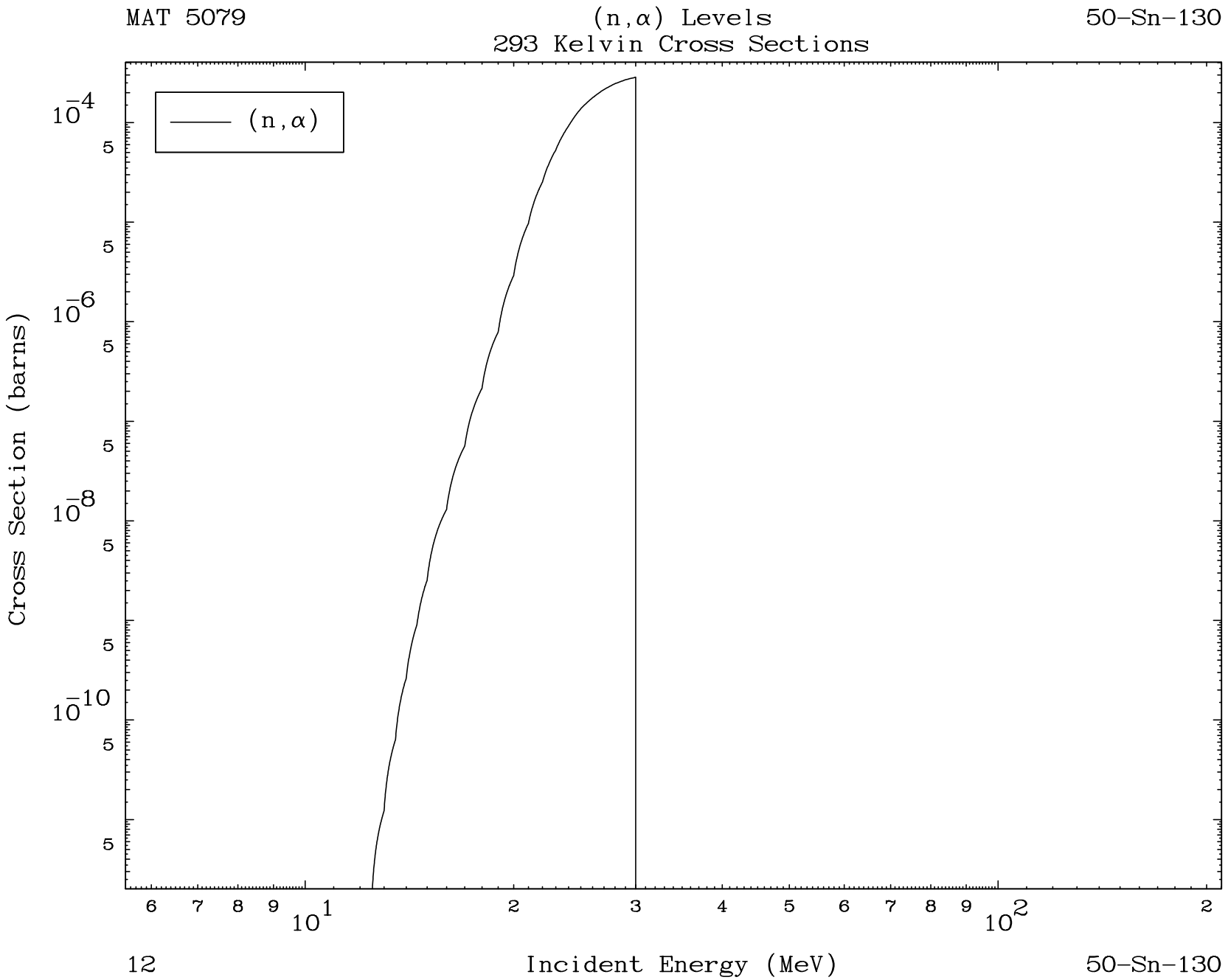

MAT 5079
(n,n') Levels
293 Kelvin Cross Sections
50-Sn-130
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
8
50-Sn-130

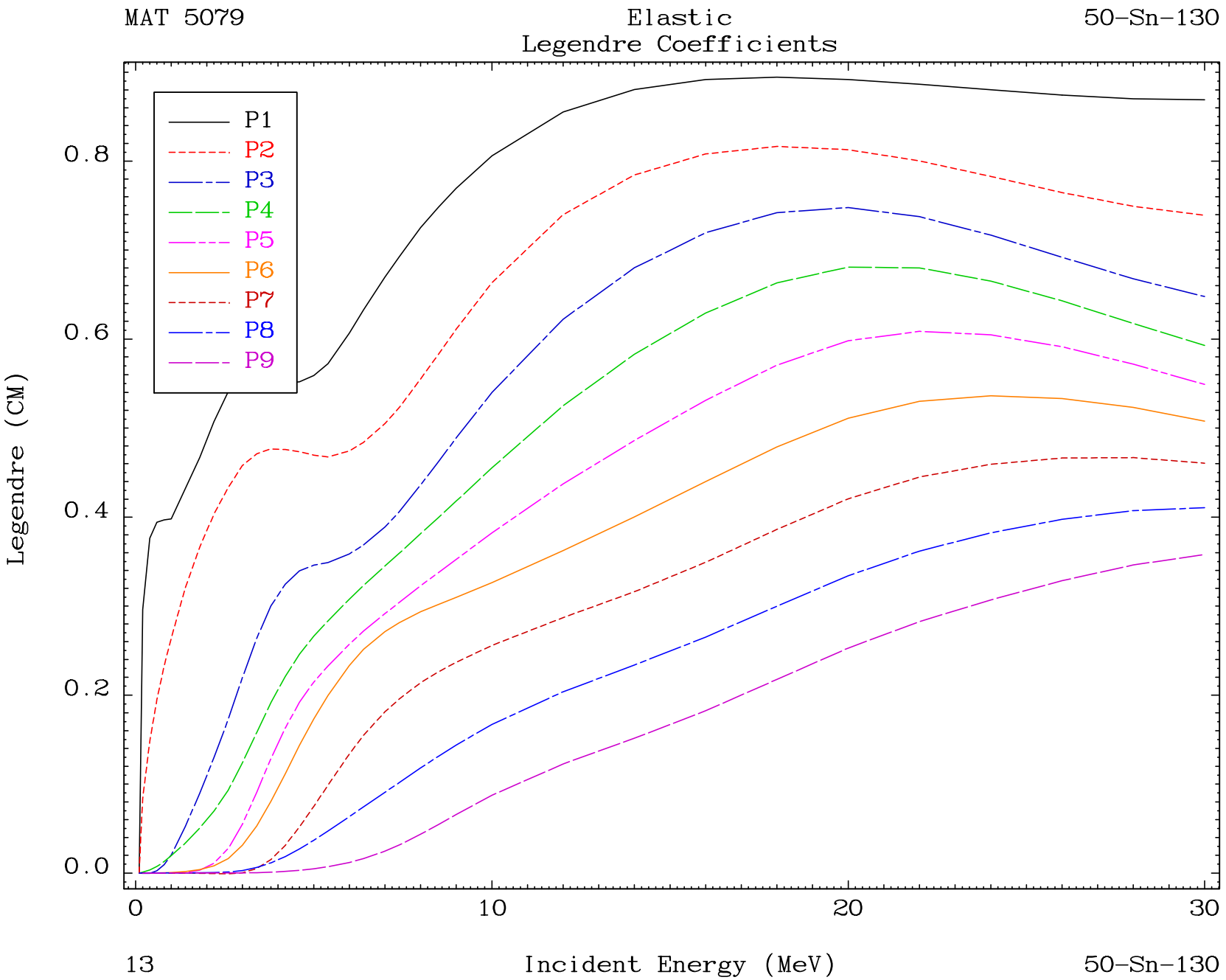

MAT 5079
(n,p) Levels
50-Sn-130
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-130

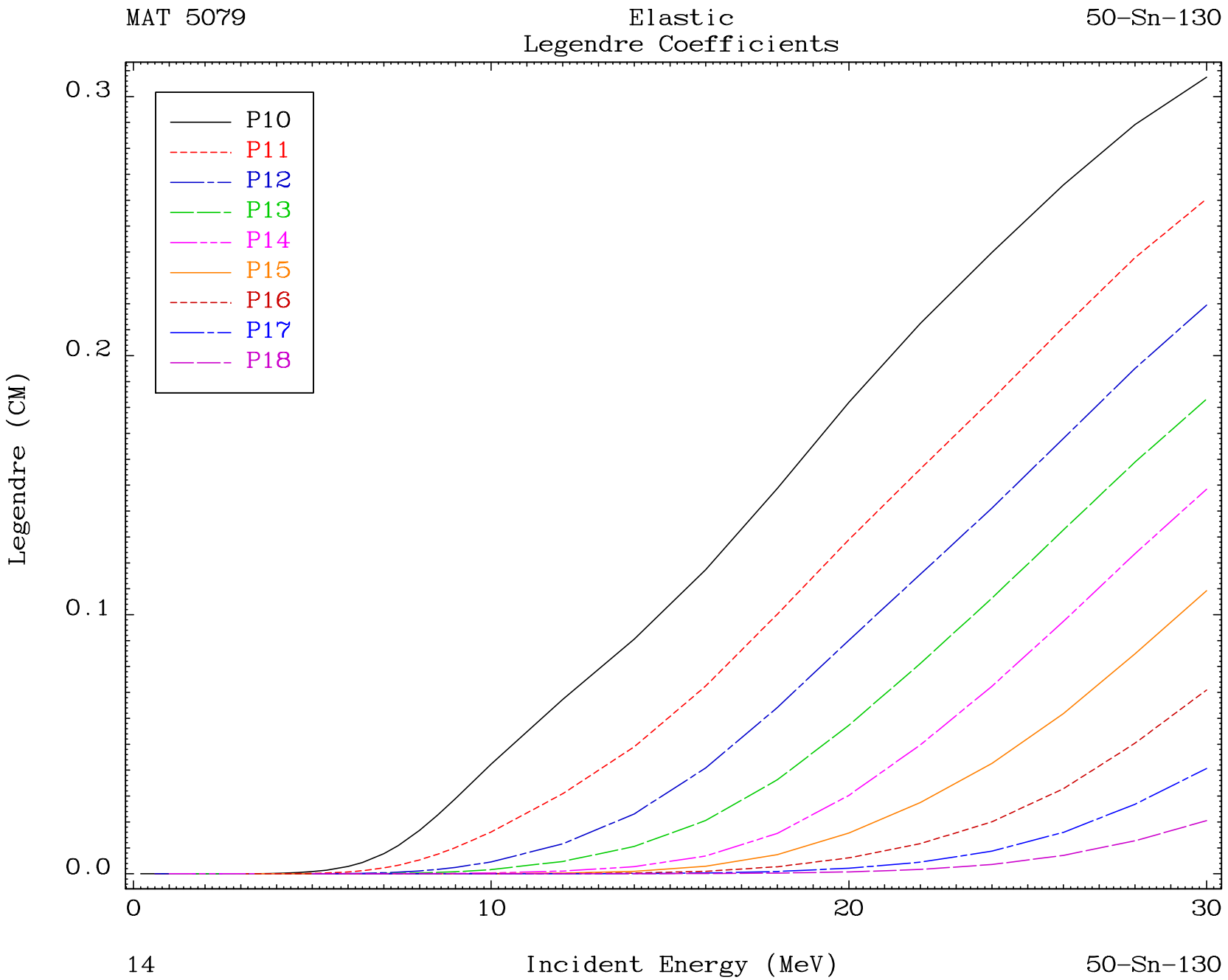

MAT 5079
(n,d) Levels
50-Sn-130
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
50-Sn-130

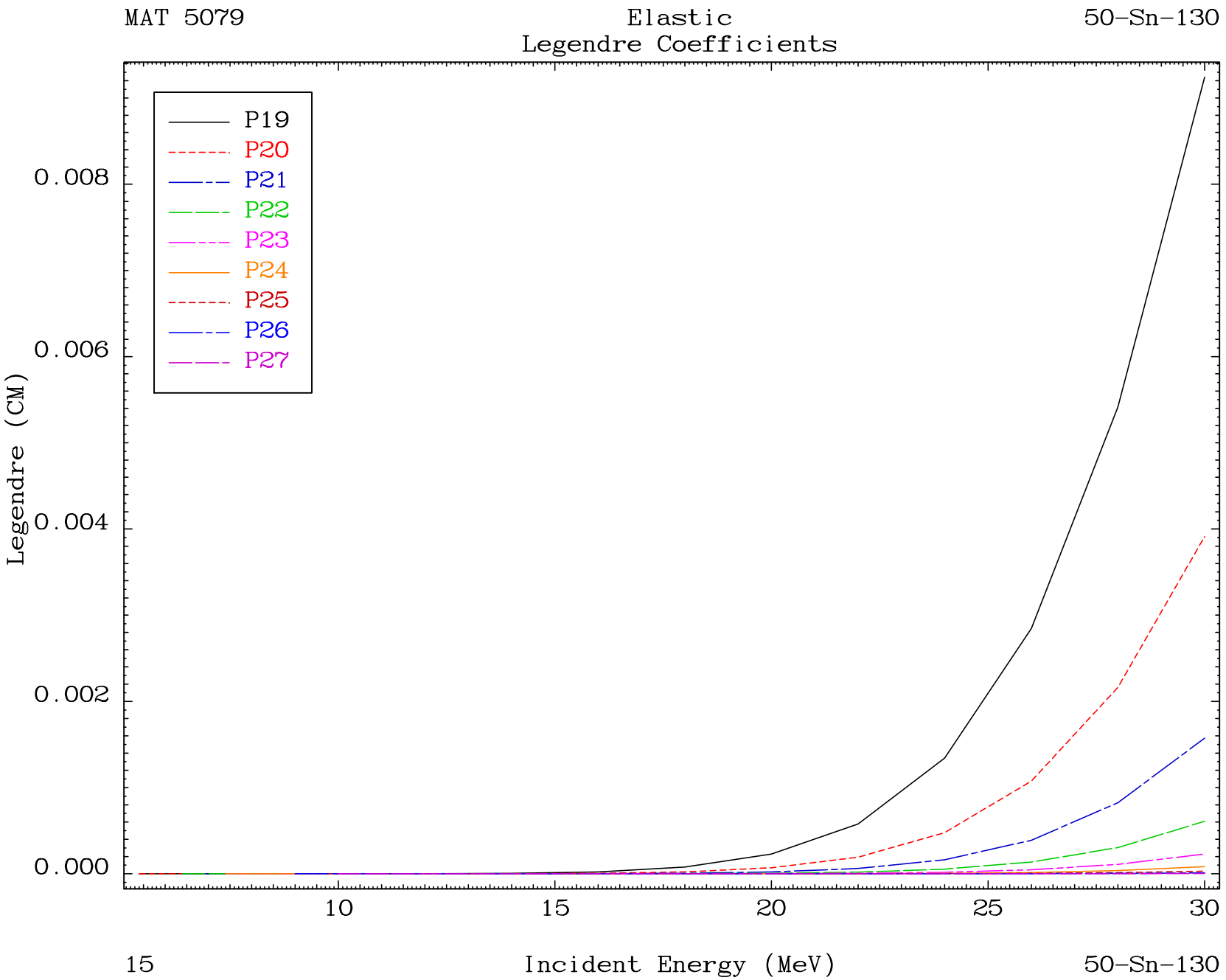
293 Kelvin Cross Sections

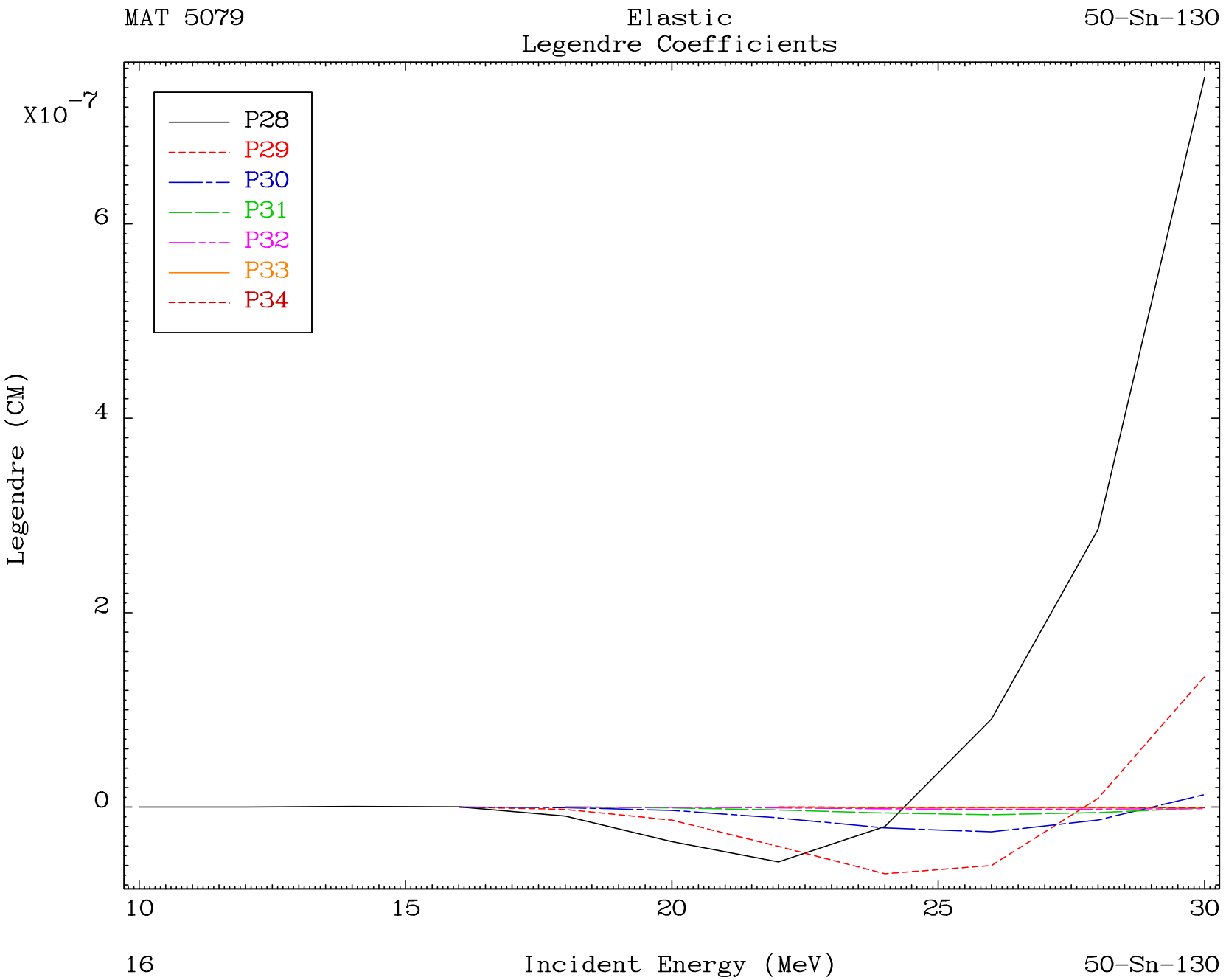


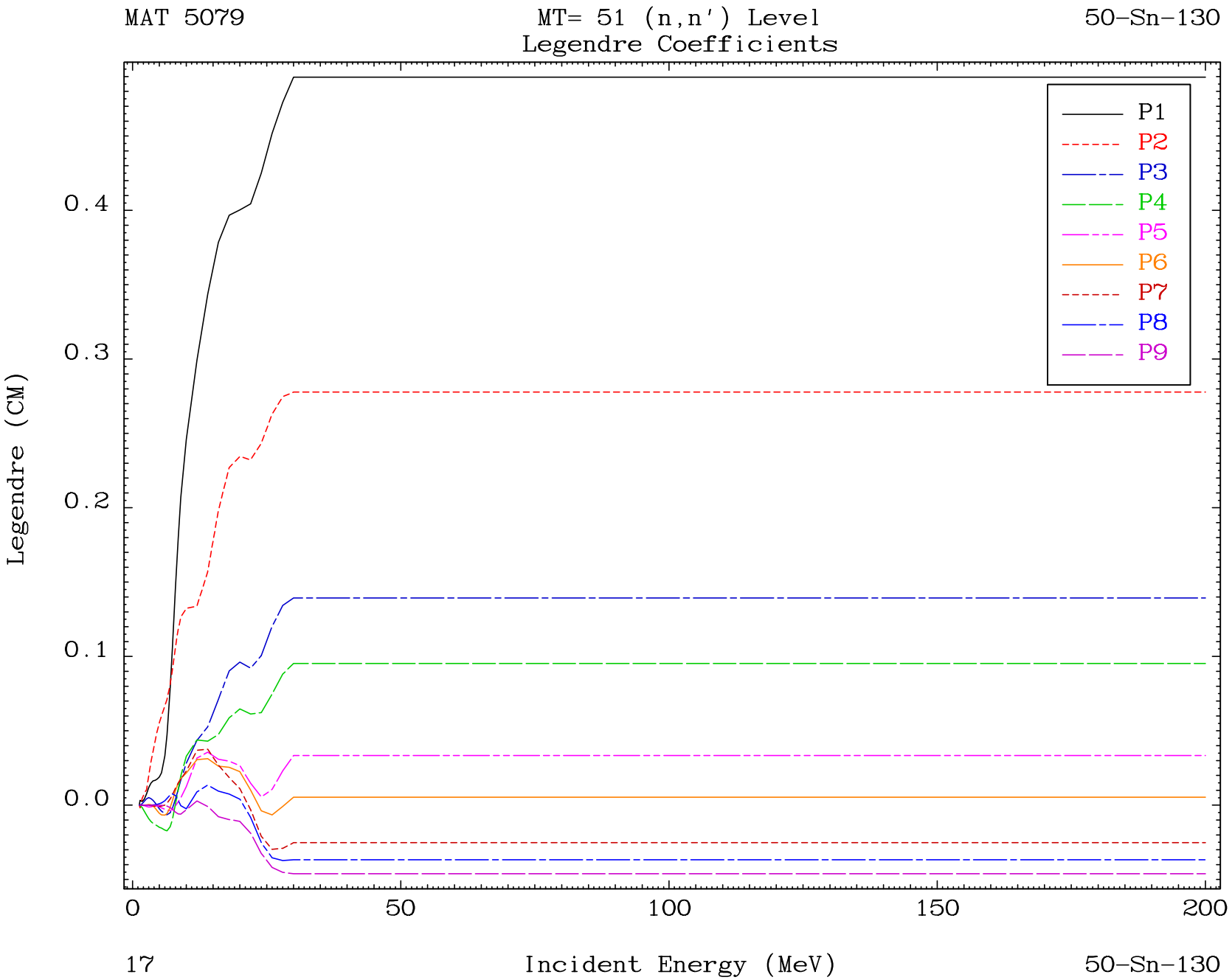

MAT 5079
(n,α) Levels
50-Sn-130
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
12
50-Sn-130

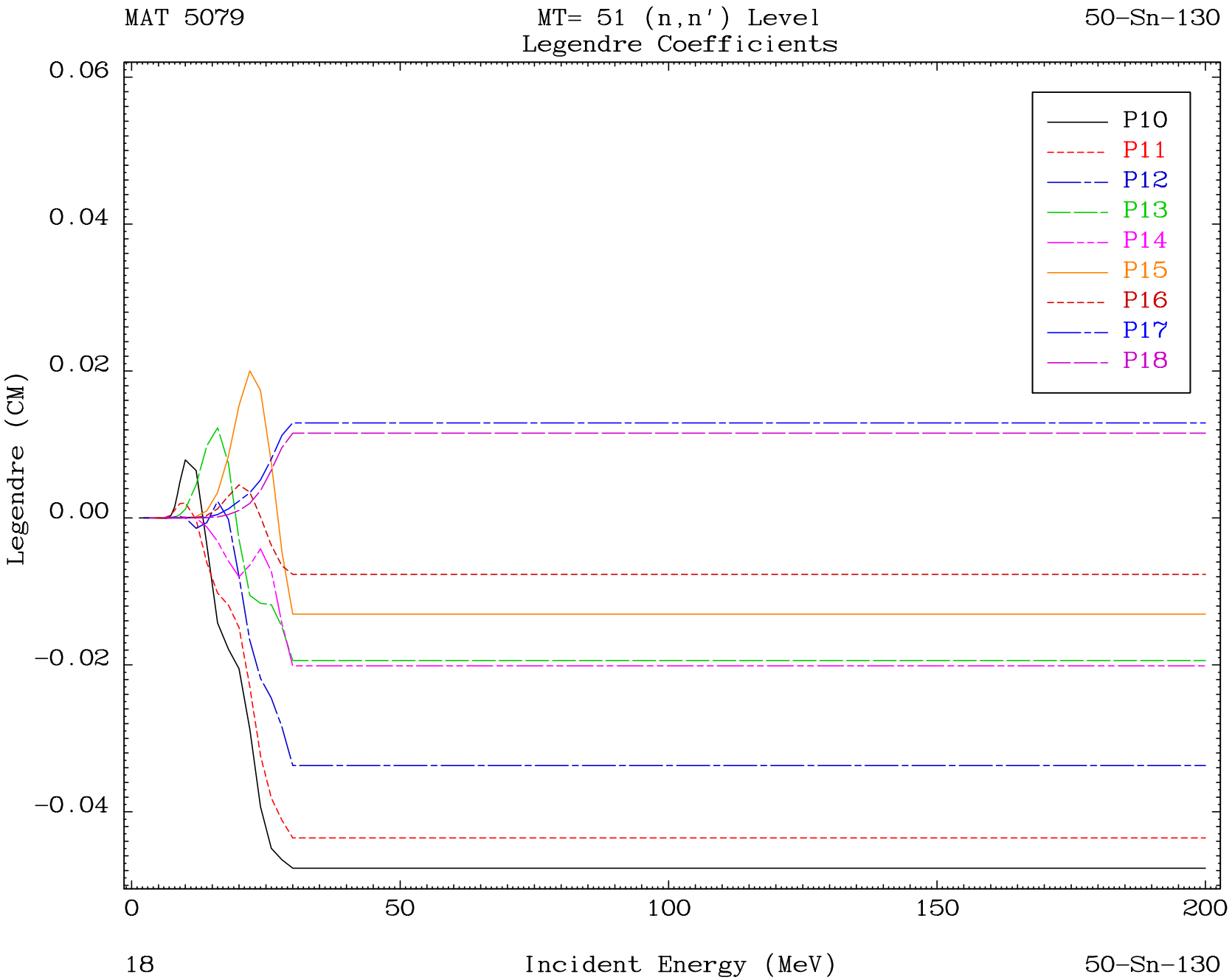

MAT 5079
Elastic
Legendre Coefficients
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
13
Incident Energy (MeV)
50-Sn-130

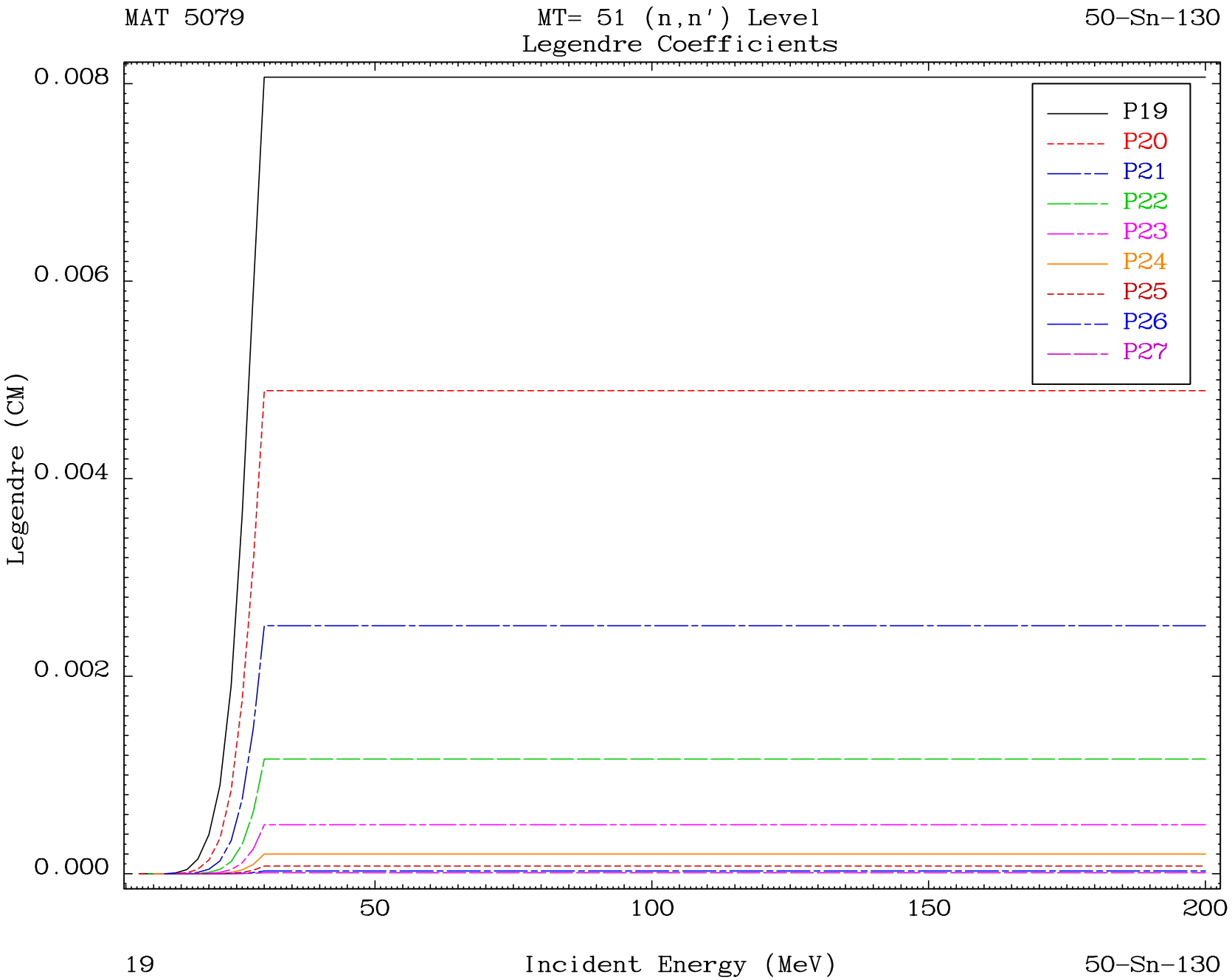

MAT 5079
Elastic
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.3
0.2
0.1
0.0
0
10
20
30
14
Incident Energy (MeV)
50-Sn-130

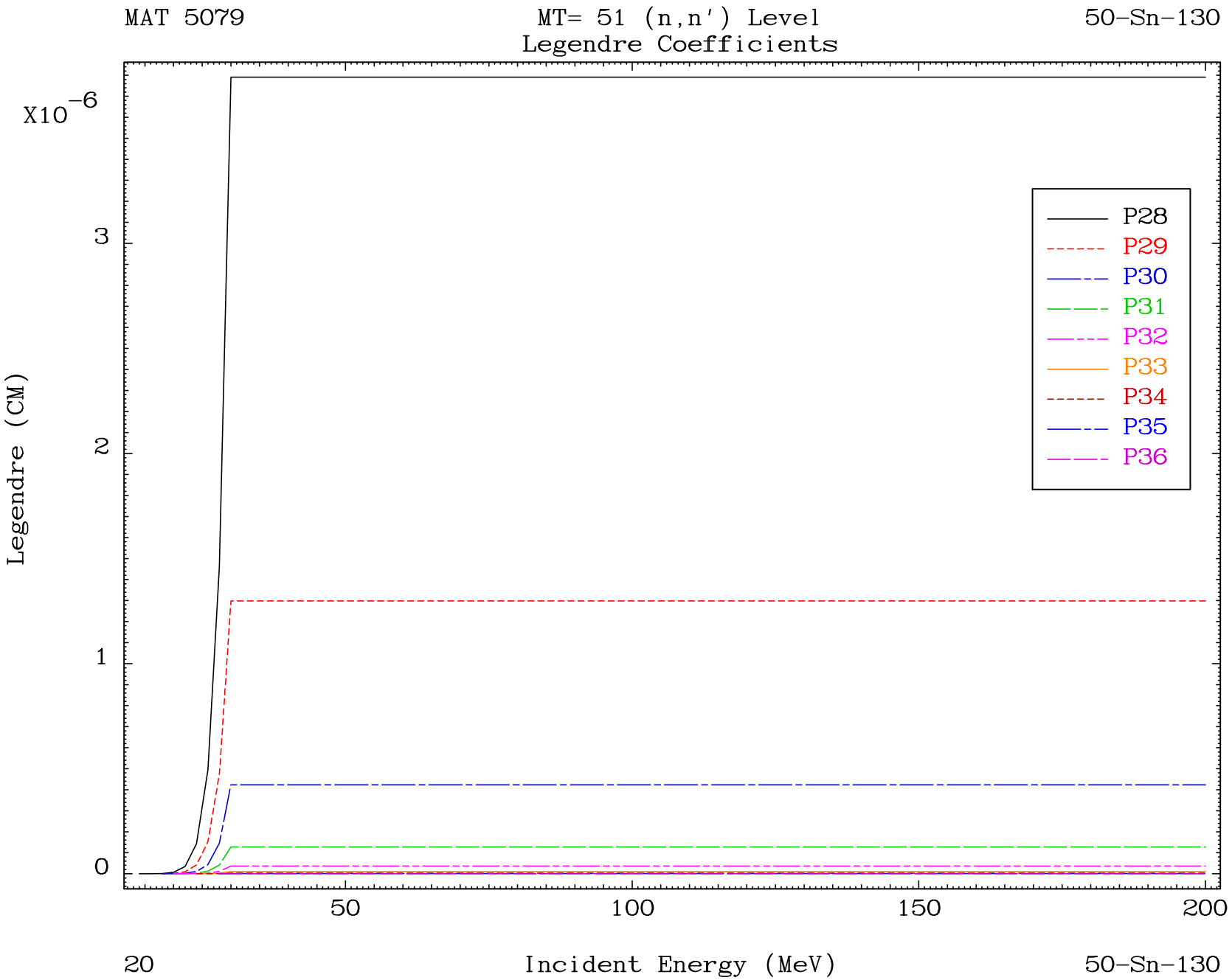

MAT 5079
Elastic
Legendre Coefficients
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
15
Incident Energy (MeV)
50-Sn-130

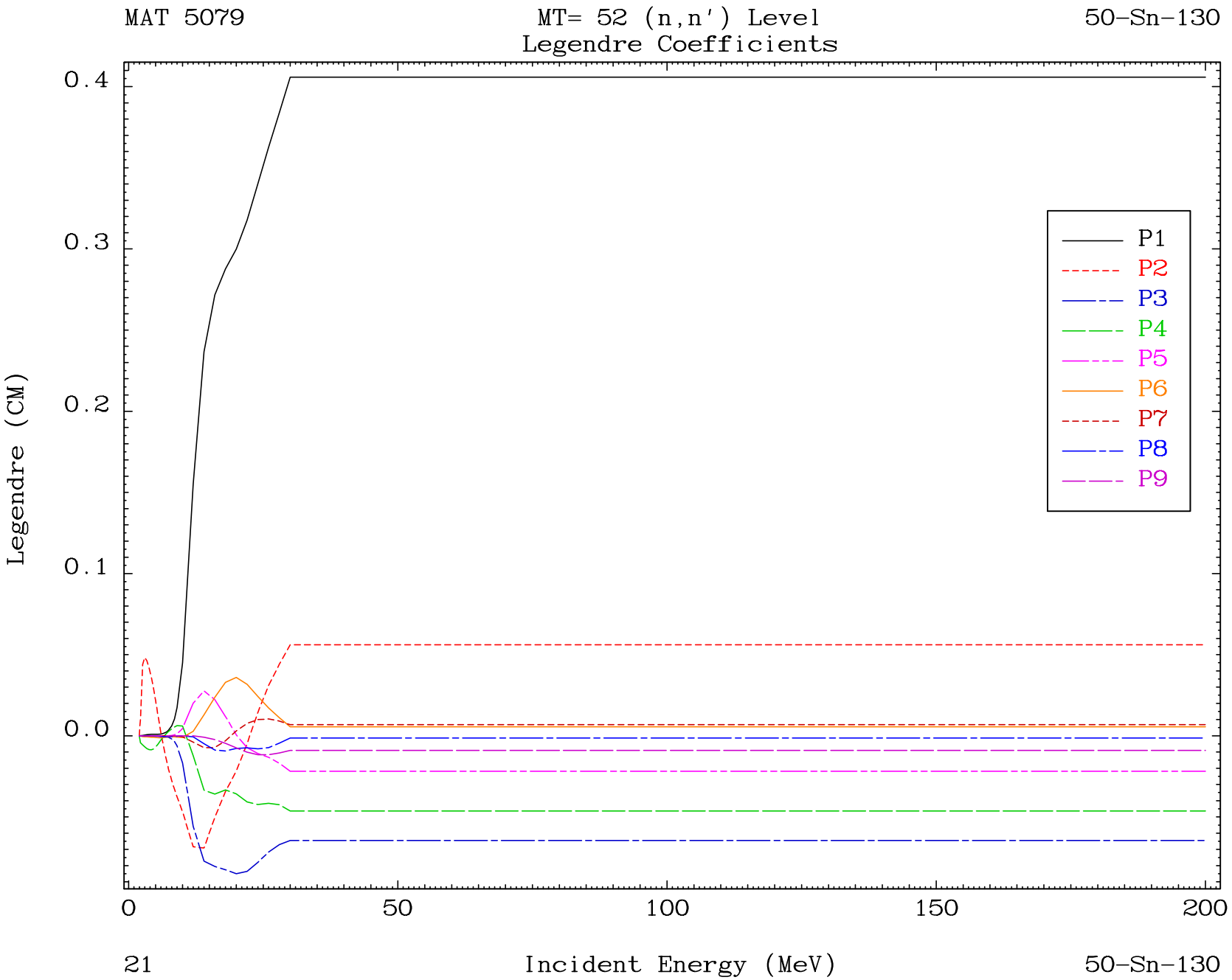

MAT 5079
Elastic
Legendre Coefficients
50-Sn-130
X10^-7
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
6
4
2
0
10
15
20
25
30
16
Incident Energy (MeV)
50-Sn-130

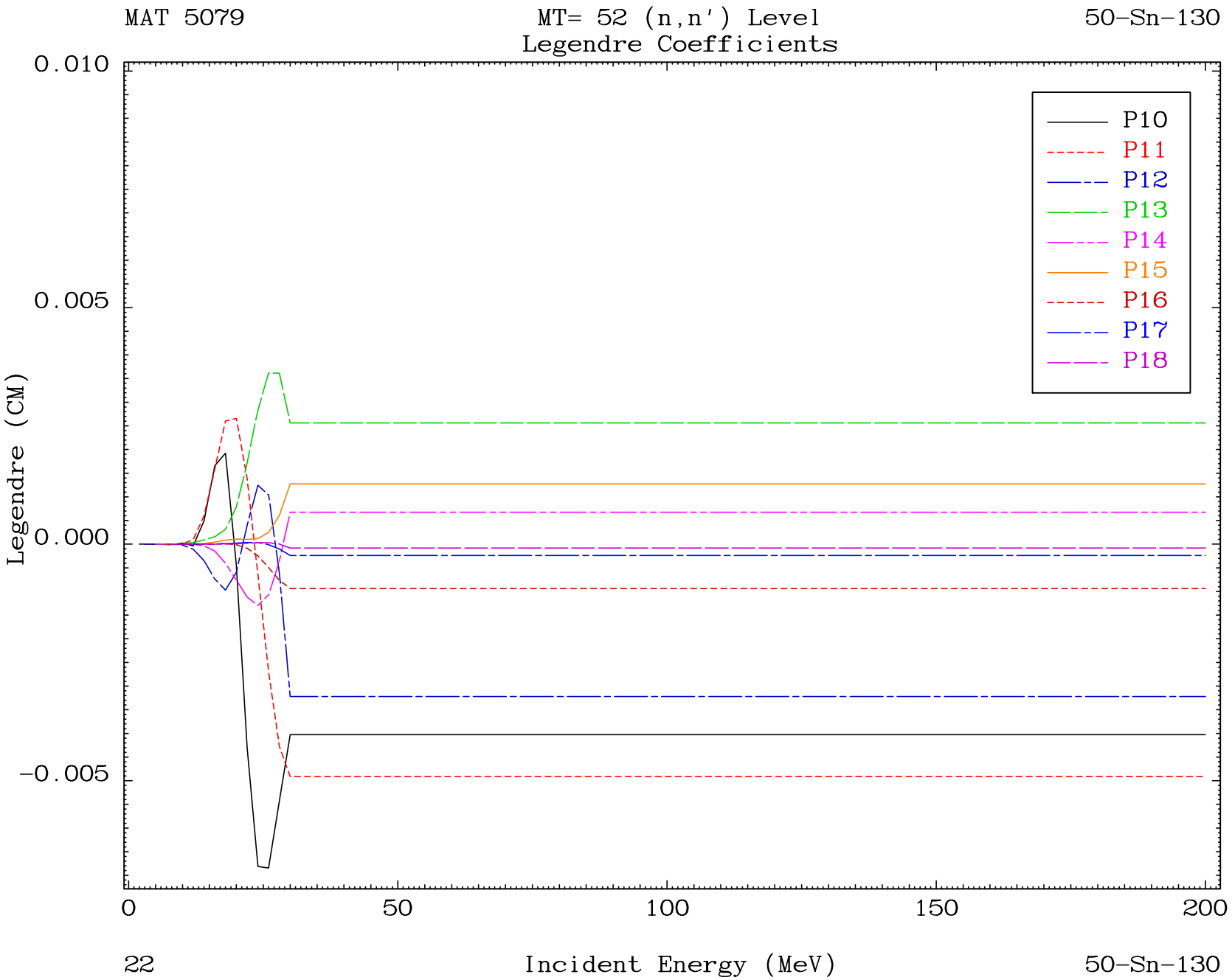

MAT 5079
MT= 51 (n,n') Level
Legendre Coefficients
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
17
Incident Energy (MeV)
50-Sn-130

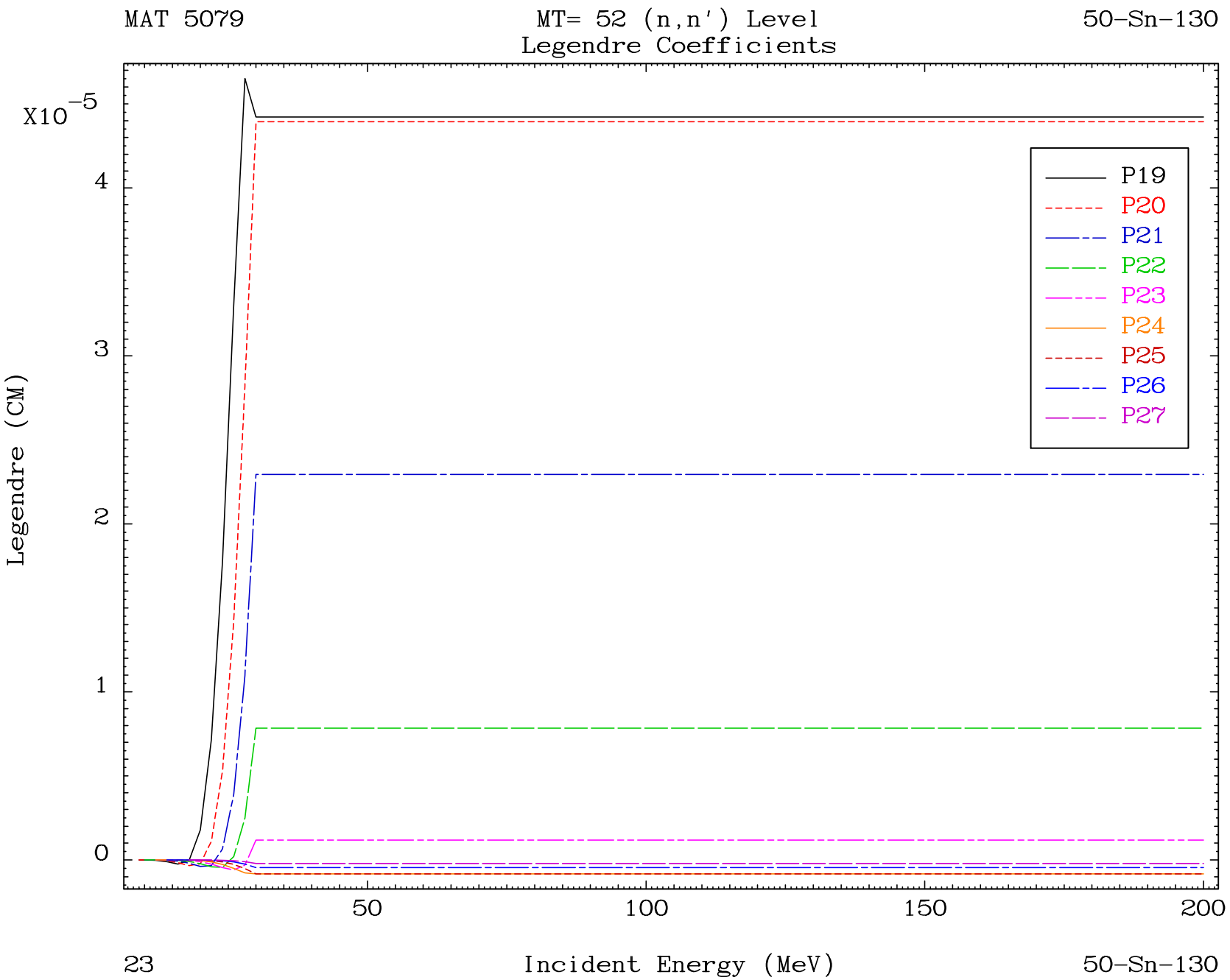

MAT 5079
MT= 51 (n,n') Level
Legendre Coefficients
50-Sn-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
18
Incident Energy (MeV)
50-Sn-130

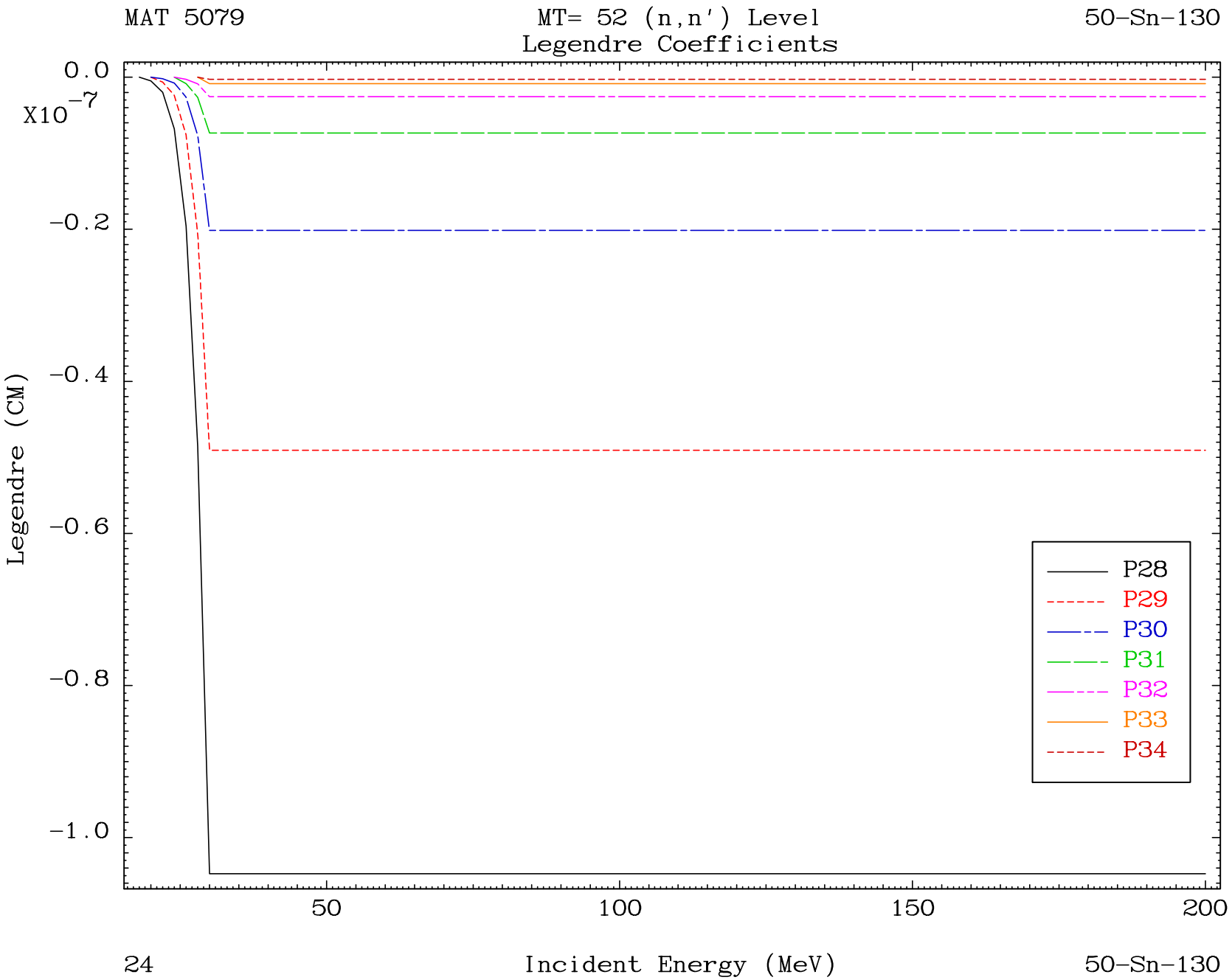

MAT 5079
MT= 51 (n,n') Level
Legendre Coefficients
50-Sn-130
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
19
Incident Energy (MeV)
50-Sn-130

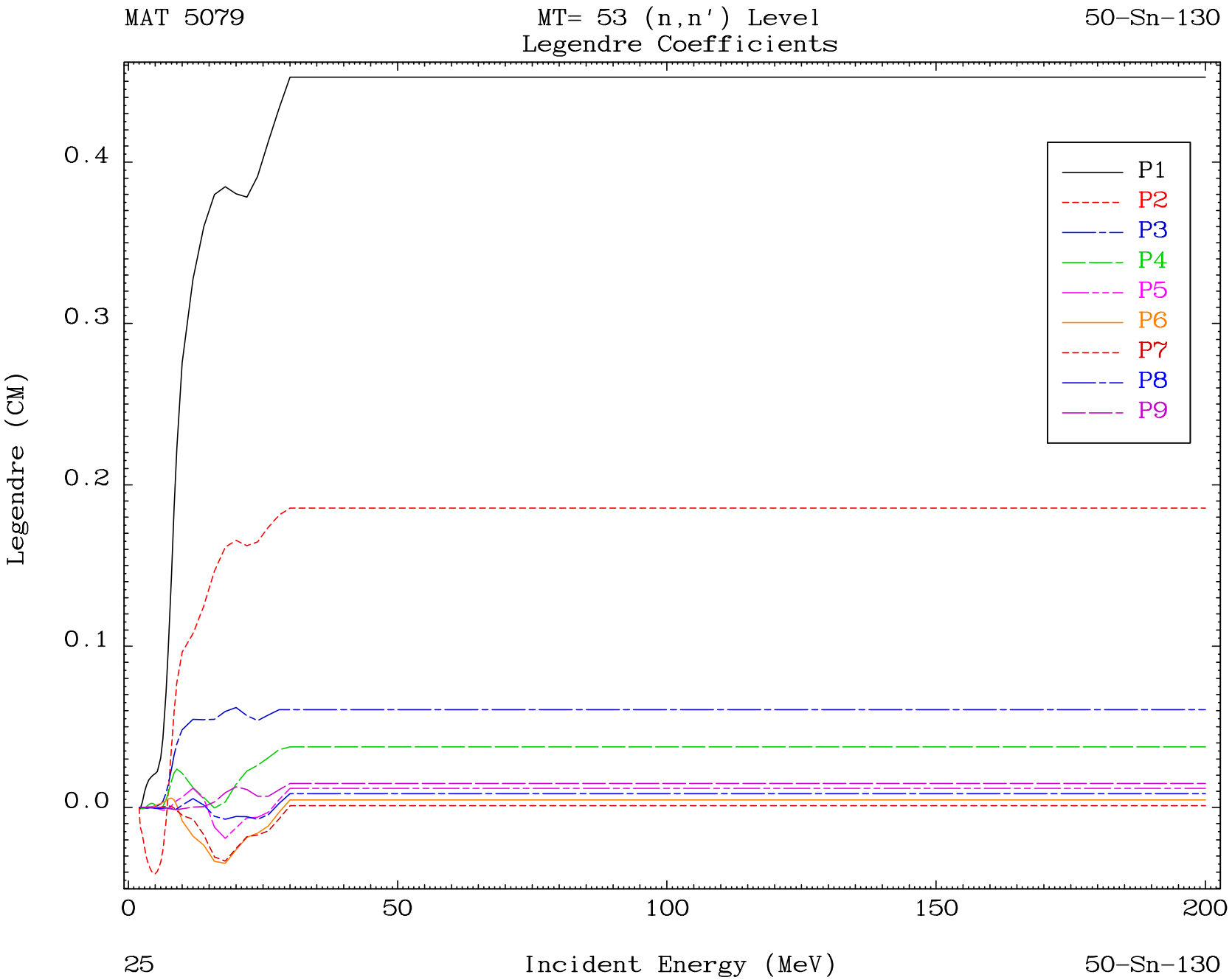

MAT 5079
MT= 51 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
20
Incident Energy (MeV)
50-Sn-130

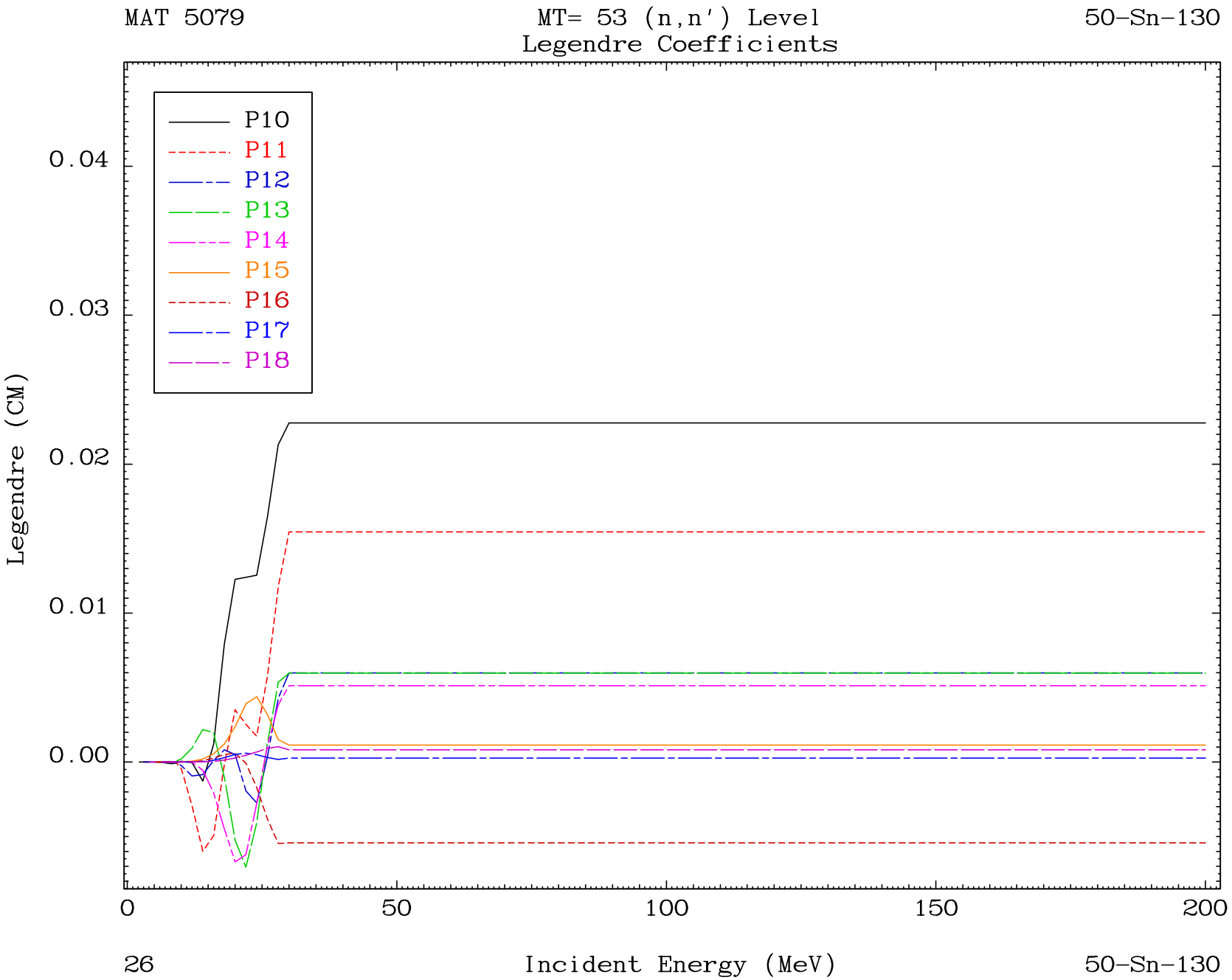

MAT 5079
MT= 52 (n,n') Level
Legendre Coefficients
50-Sn-130
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
21
Incident Energy (MeV)
50-Sn-130

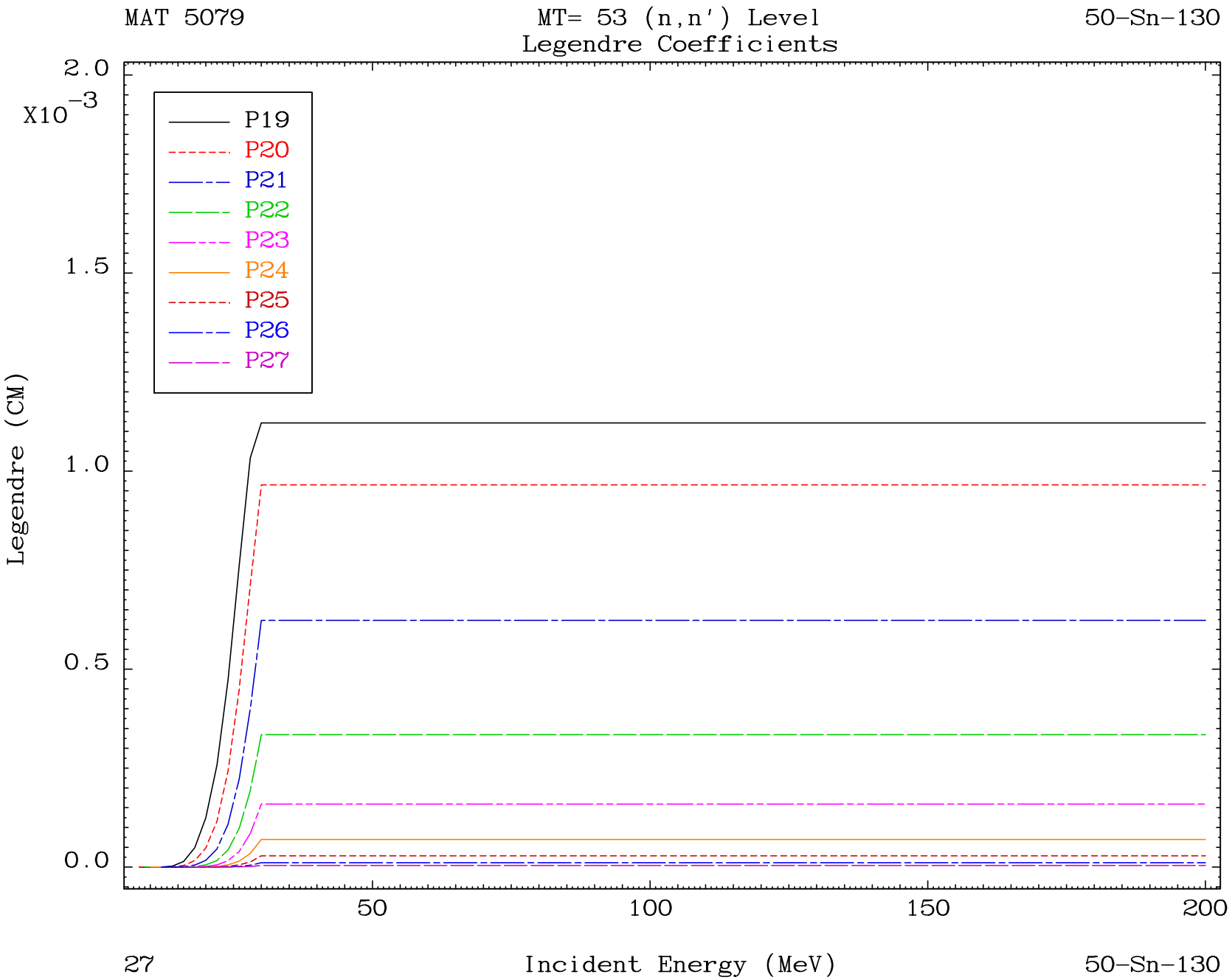

MAT 5079
MT= 52 (n,n') Level
Legendre Coefficients
50-Sn-130
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
22
Incident Energy (MeV)
50-Sn-130

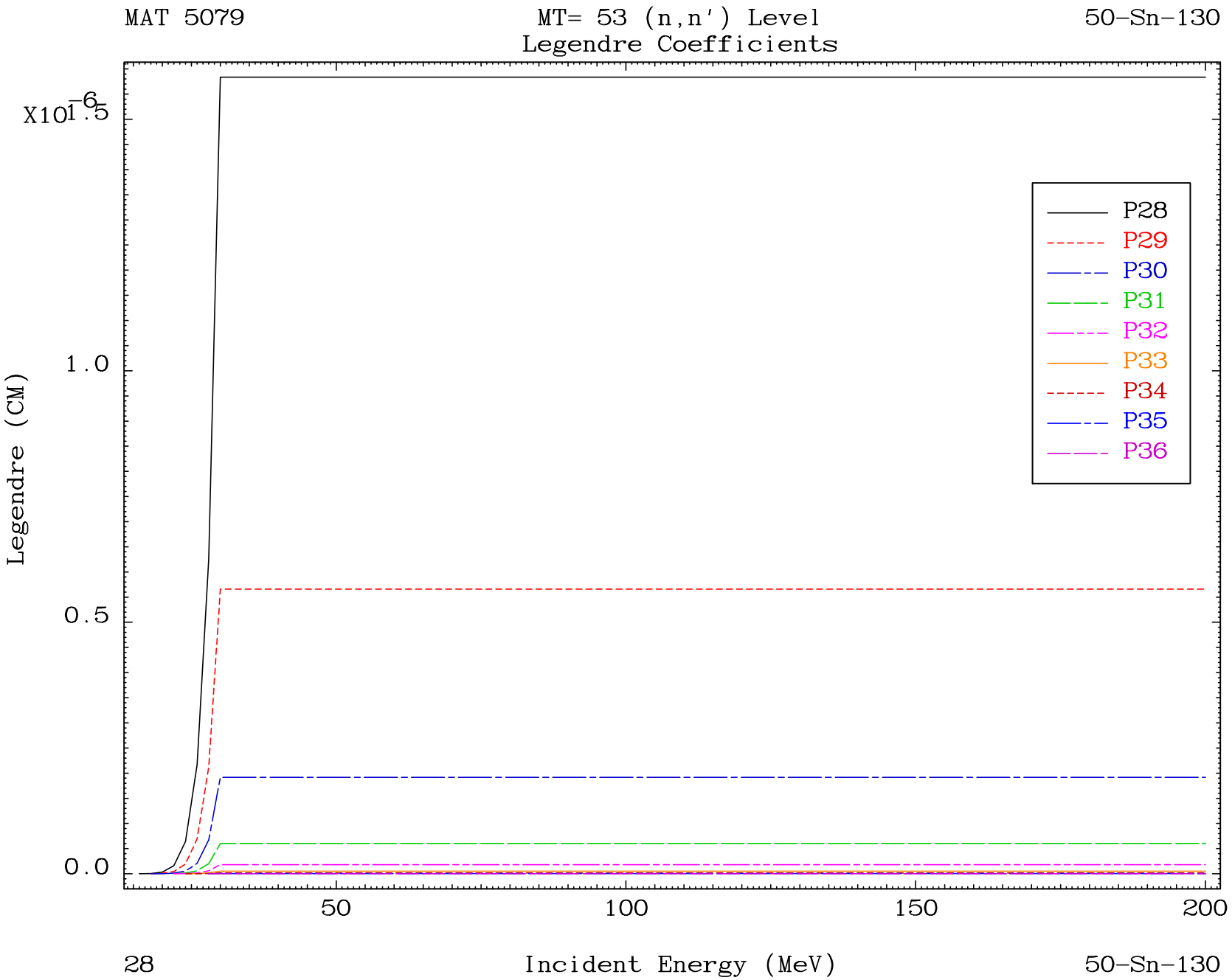

MAT 5079
MT= 52 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
23
Incident Energy (MeV)
50-Sn-130

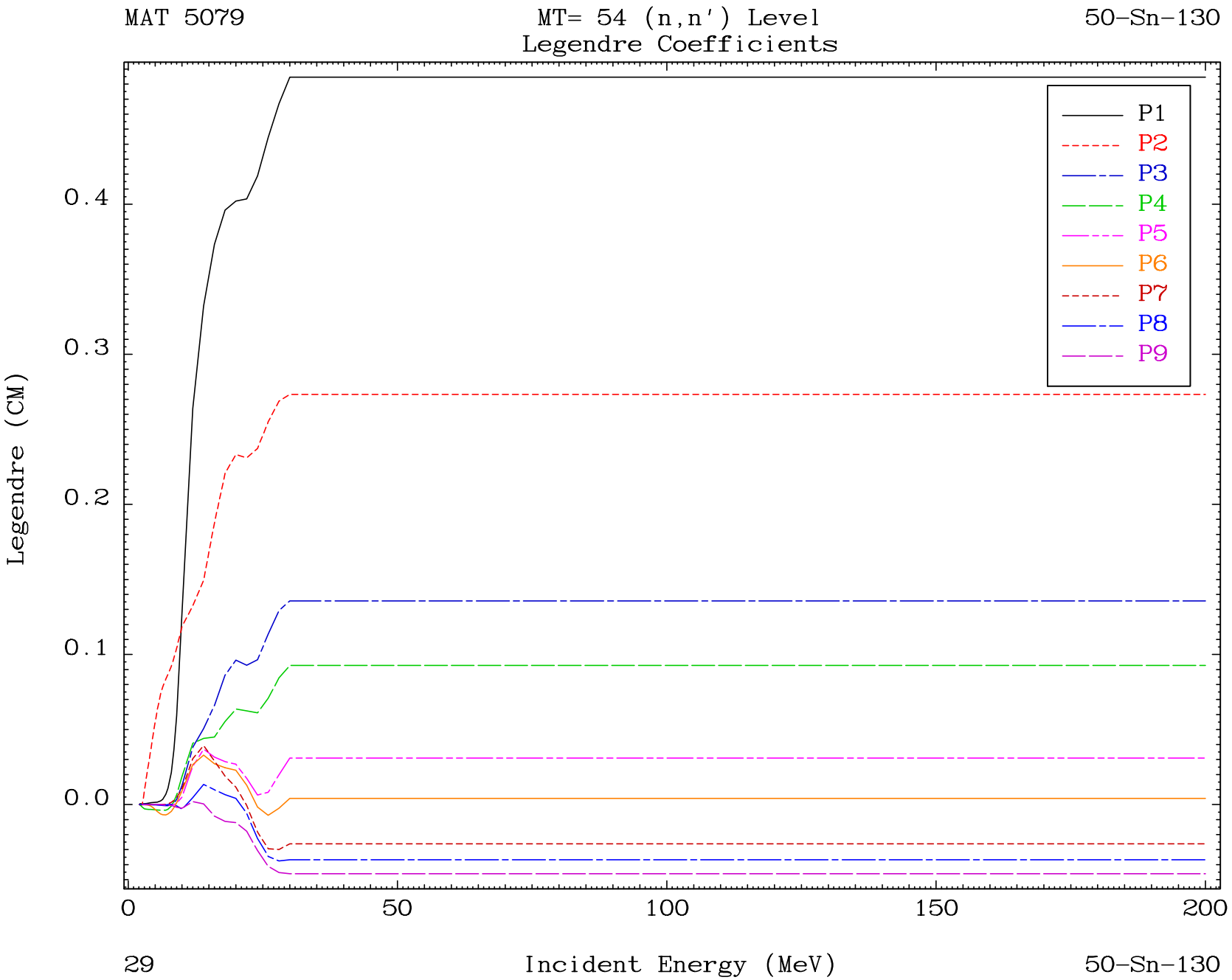

MAT 5079
MT= 52 (n,n') Level
Legendre Coefficients
50-Sn-130
0.0
X10^-7
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
24
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34

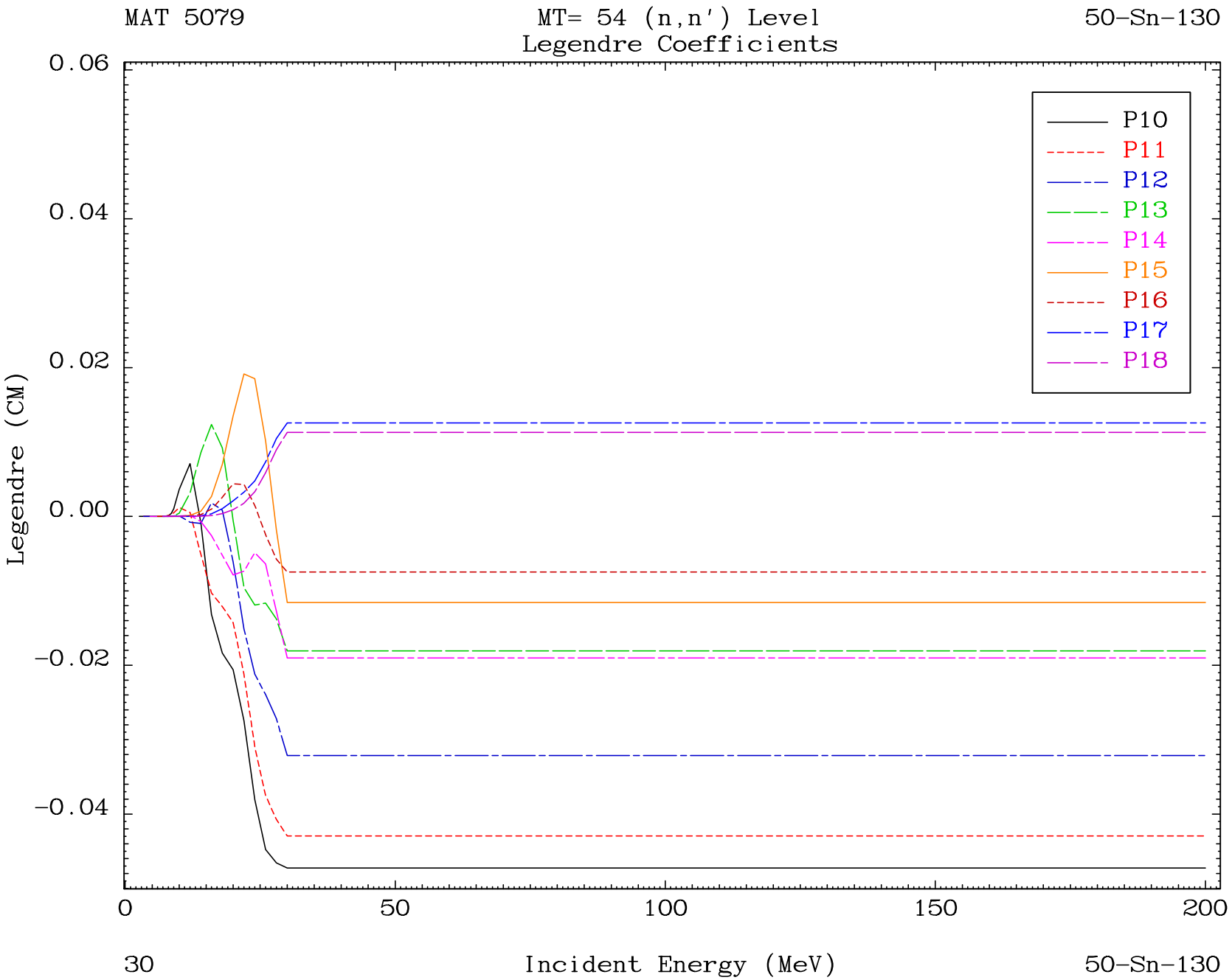

MAT 5079
MT= 53 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
25
Incident Energy (MeV)
50-Sn-130

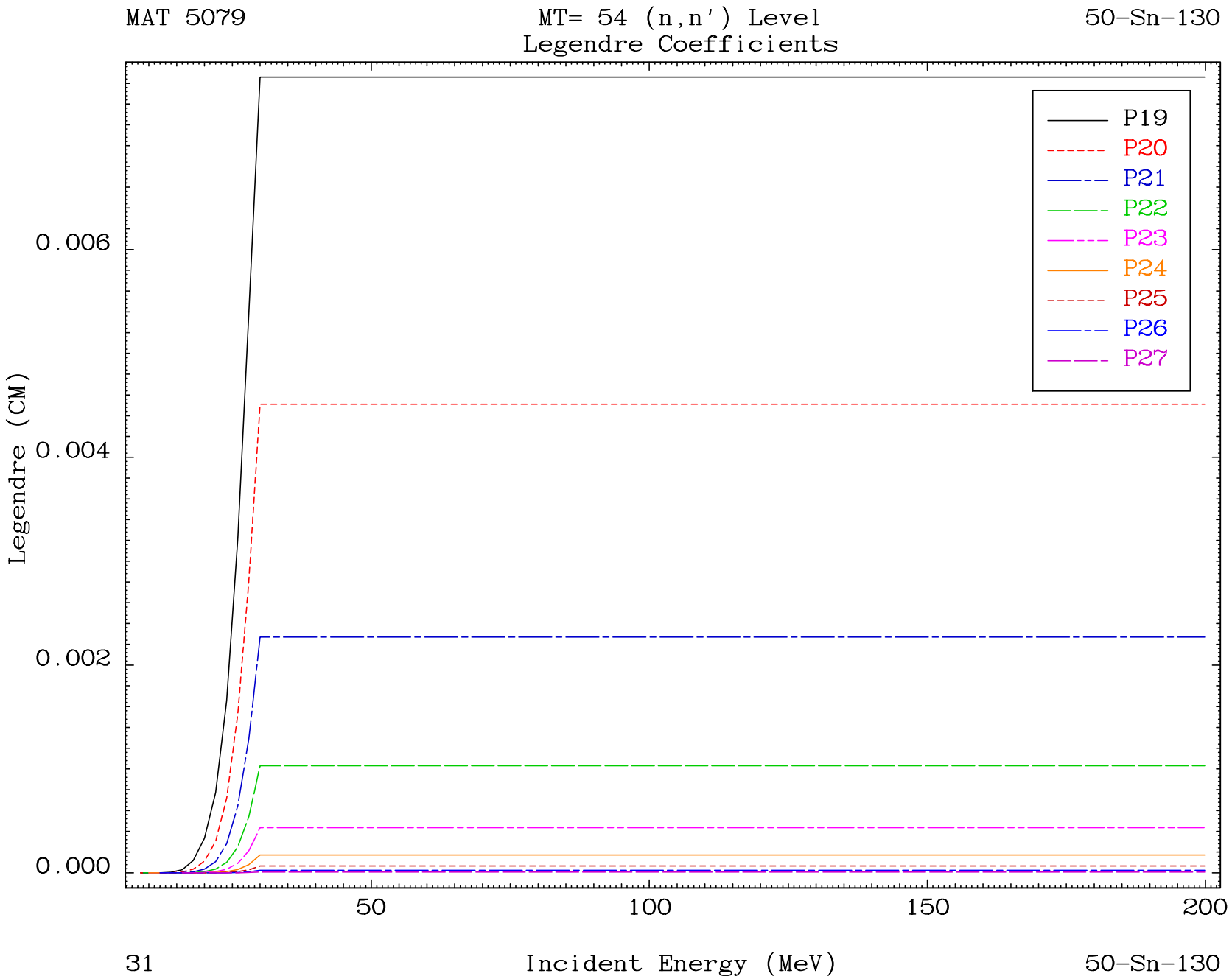

MAT 5079
MT= 53 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
26
Incident Energy (MeV)
50-Sn-130

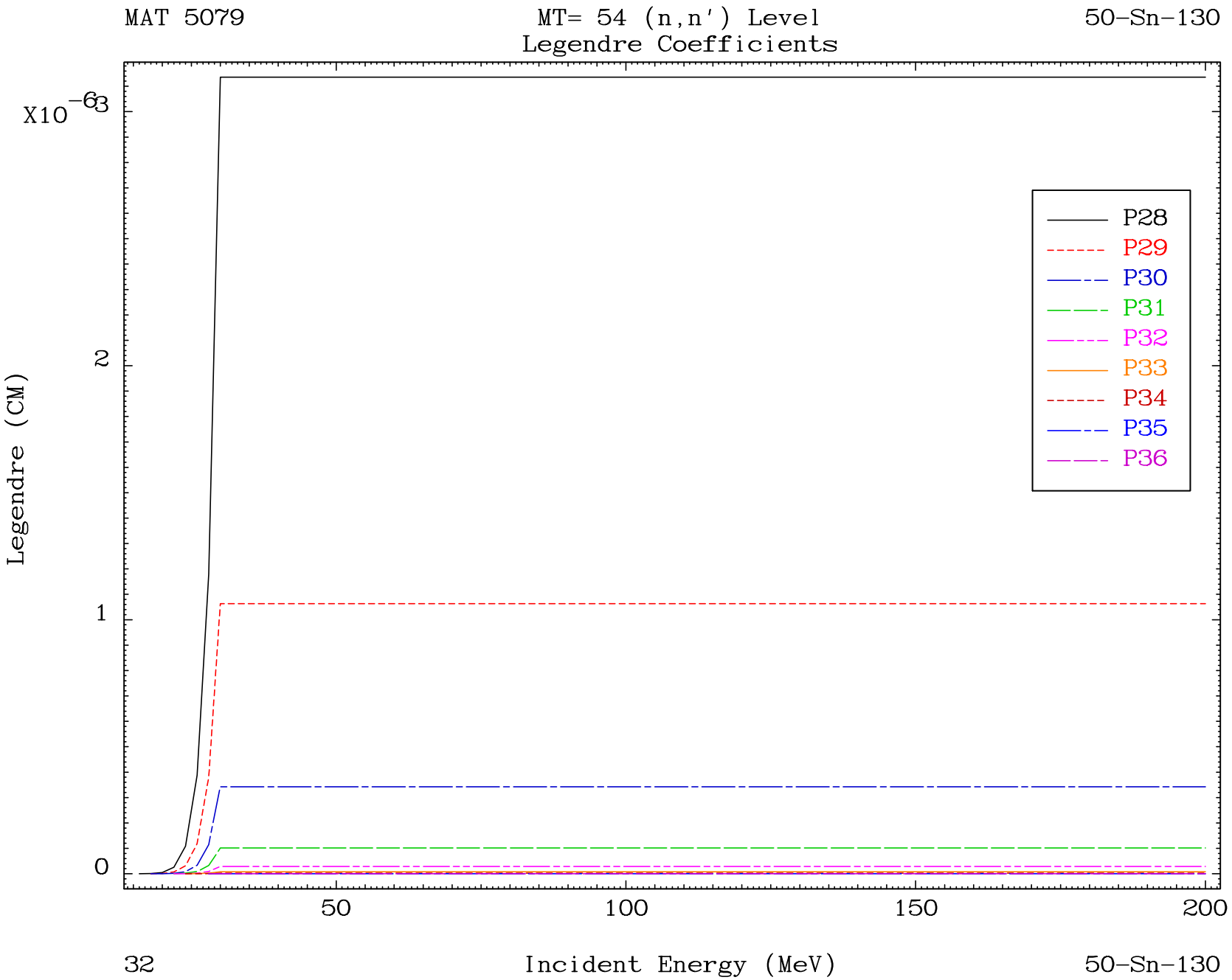

MAT 5079
MT= 53 (n,n') Level
Legendre Coefficients
50-Sn-130
2.0
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
27
Incident Energy (MeV)
50-Sn-130

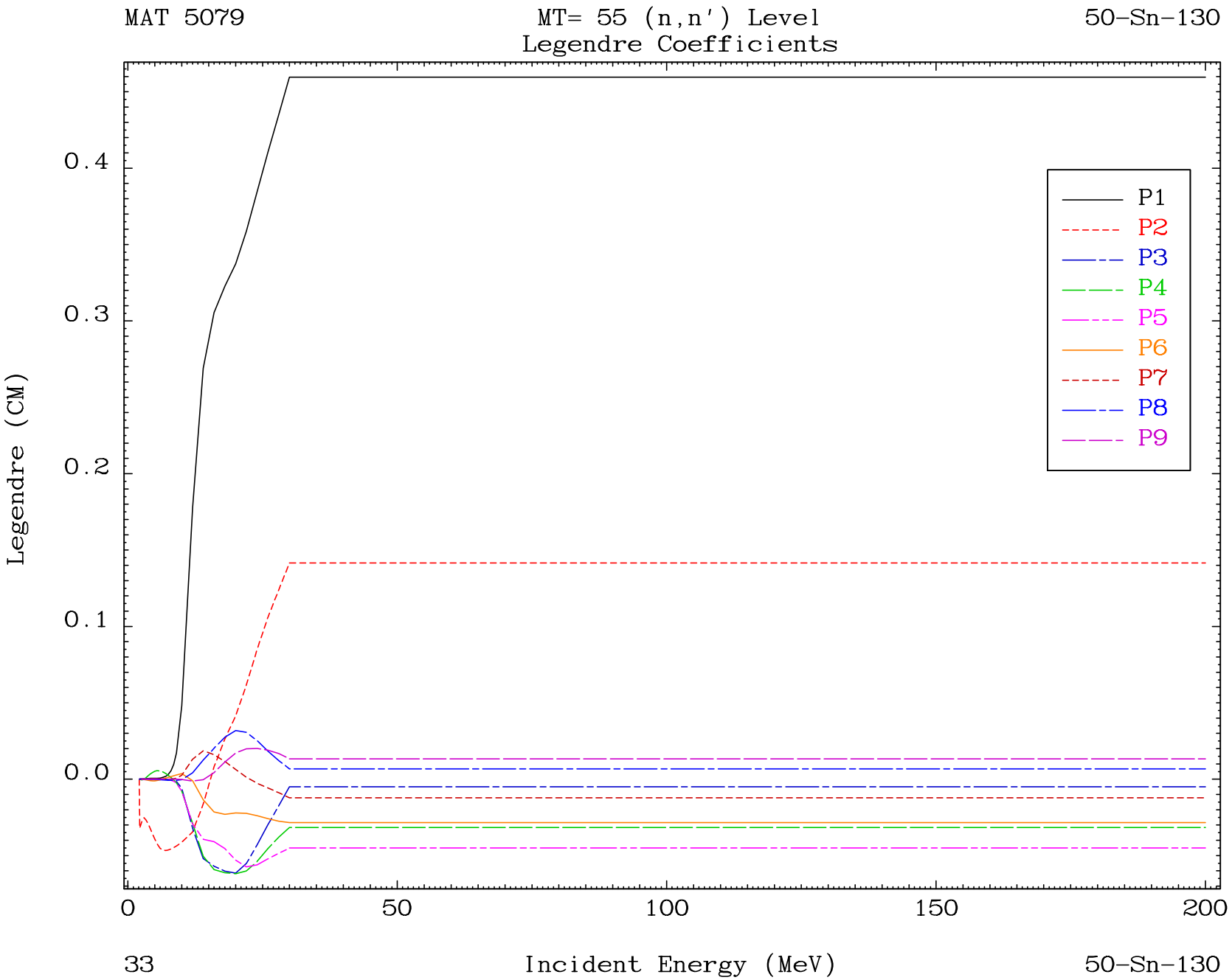

MAT 5079
MT= 53 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
28
Incident Energy (MeV)
50-Sn-130

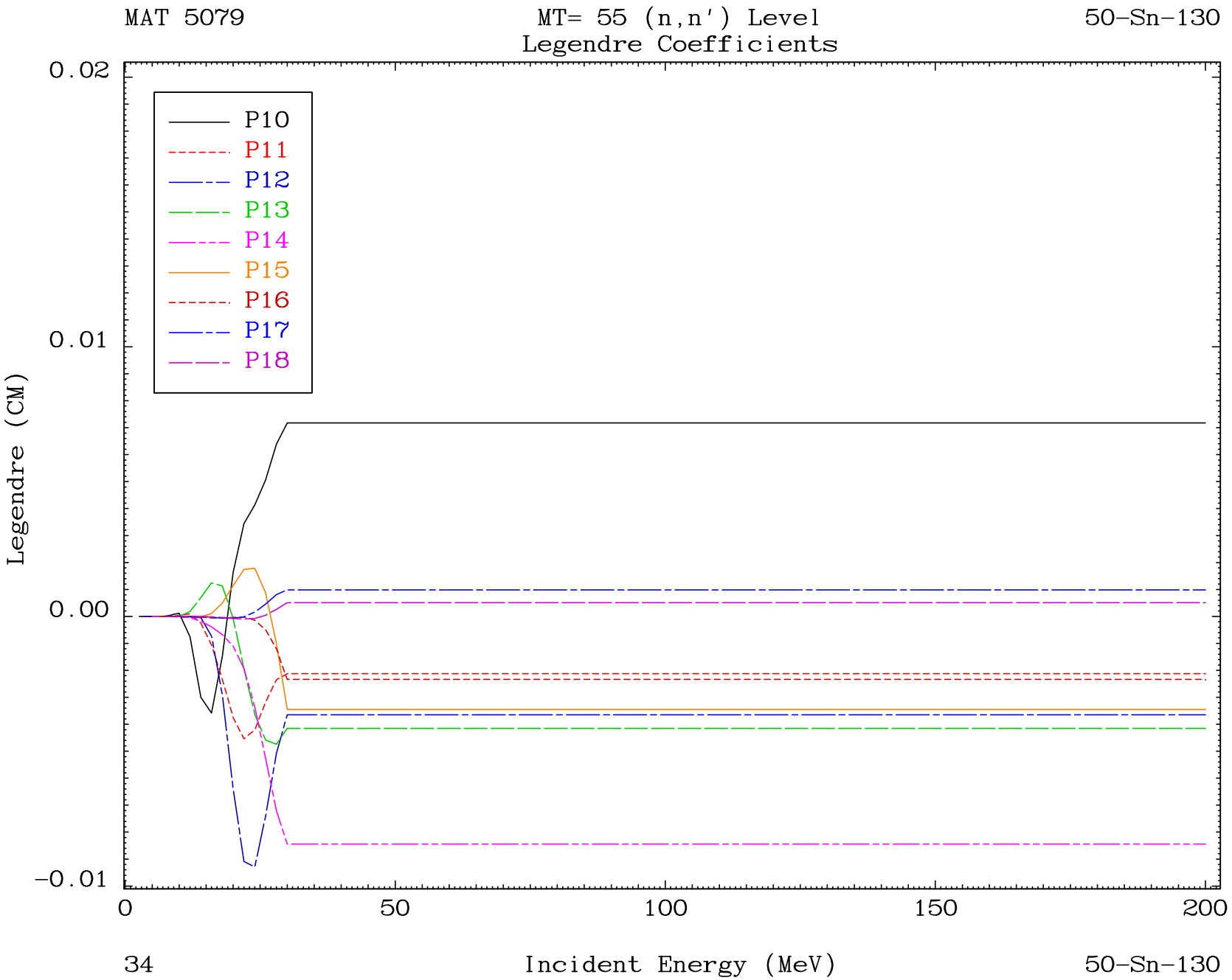

MAT 5079
MT= 54 (n,n') Level
Legendre Coefficients
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
29
Incident Energy (MeV)
50-Sn-130

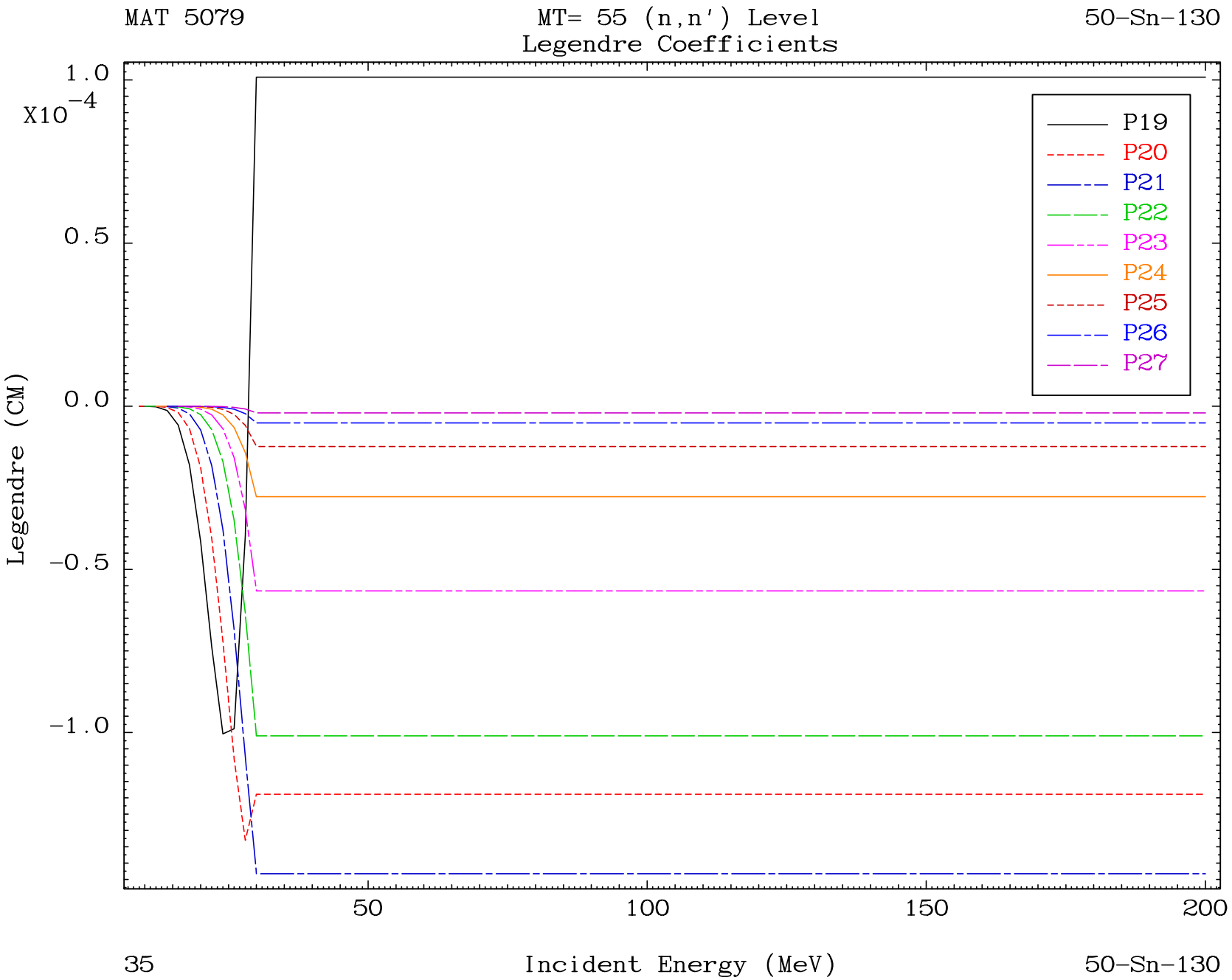

MAT 5079
MT= 54 (n,n') Level
Legendre Coefficients
50-Sn-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
30
Incident Energy (MeV)
50-Sn-130

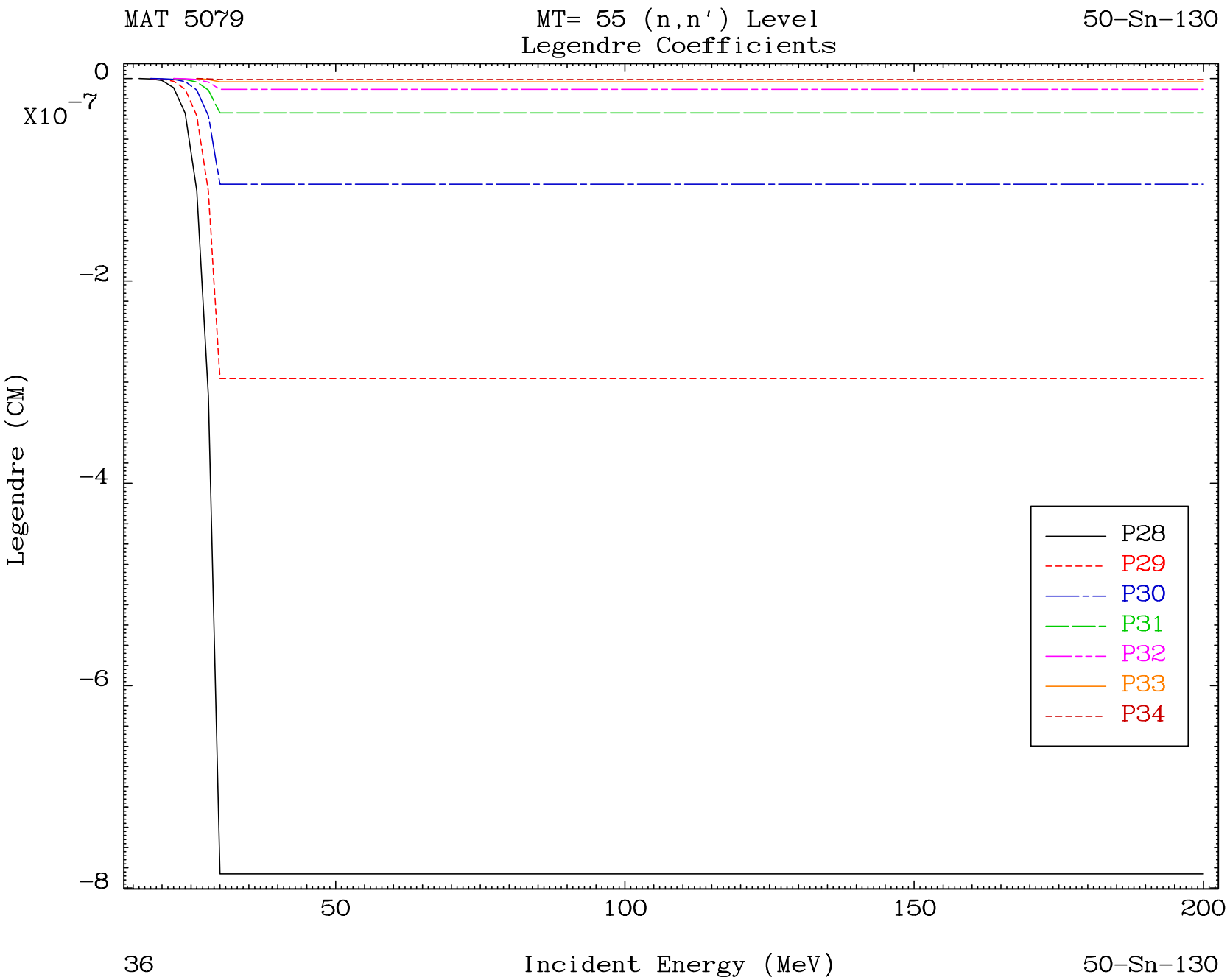

MAT 5079
MT= 54 (n,n') Level
Legendre Coefficients
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
31
Incident Energy (MeV)
50-Sn-130

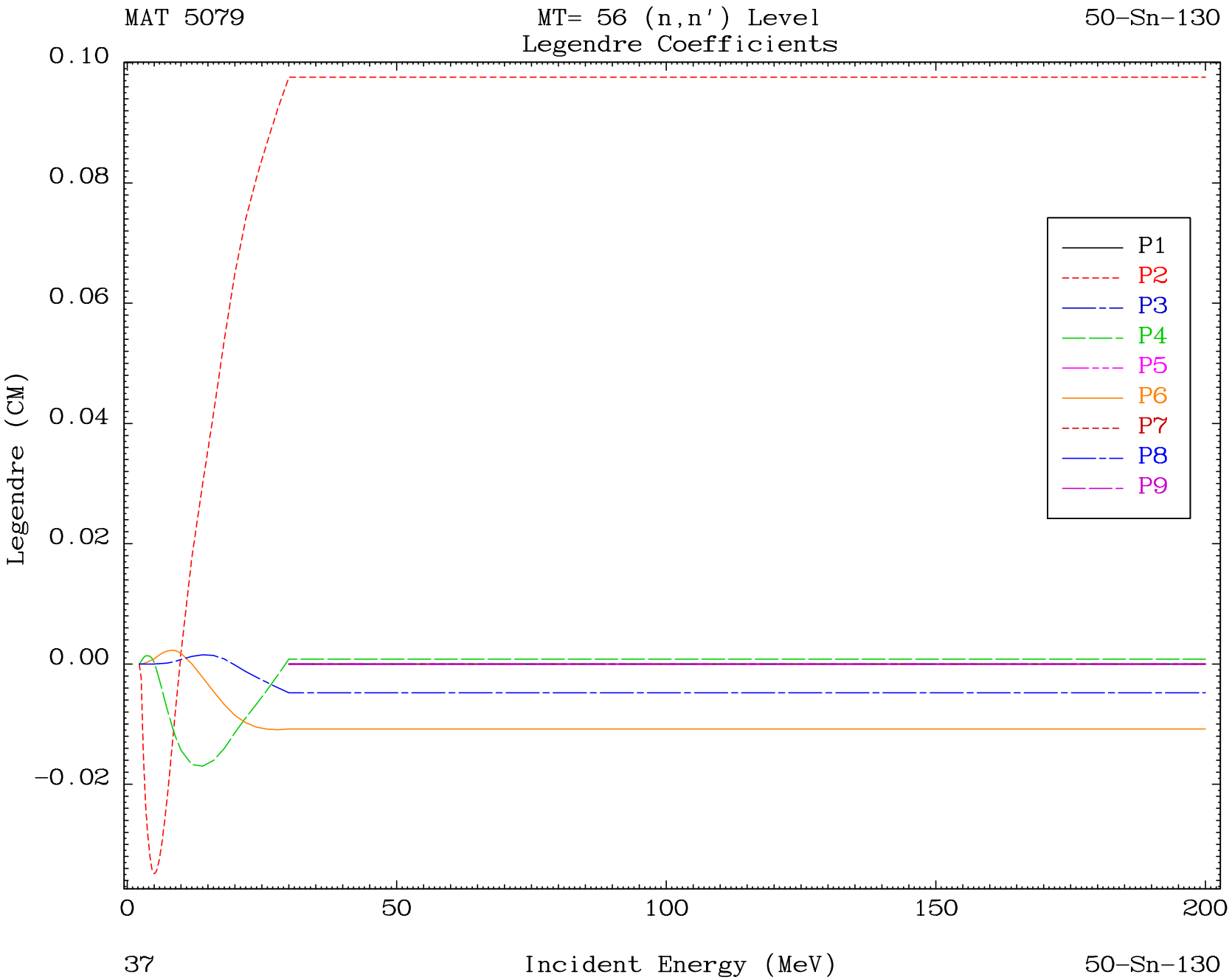

MAT 5079
MT= 54 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
32
Incident Energy (MeV)
50-Sn-130

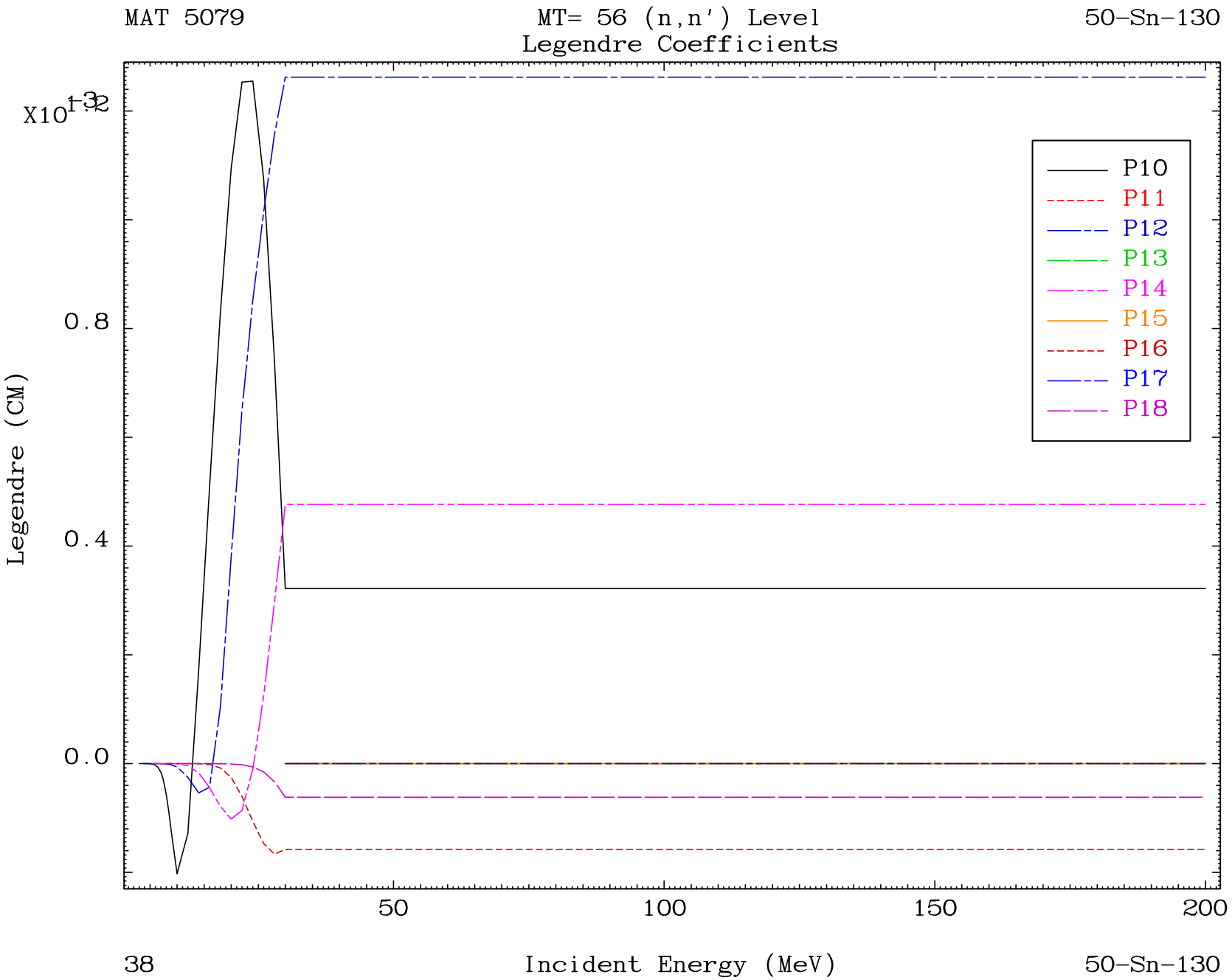

MAT 5079
MT= 55 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
33
Incident Energy (MeV)
50-Sn-130

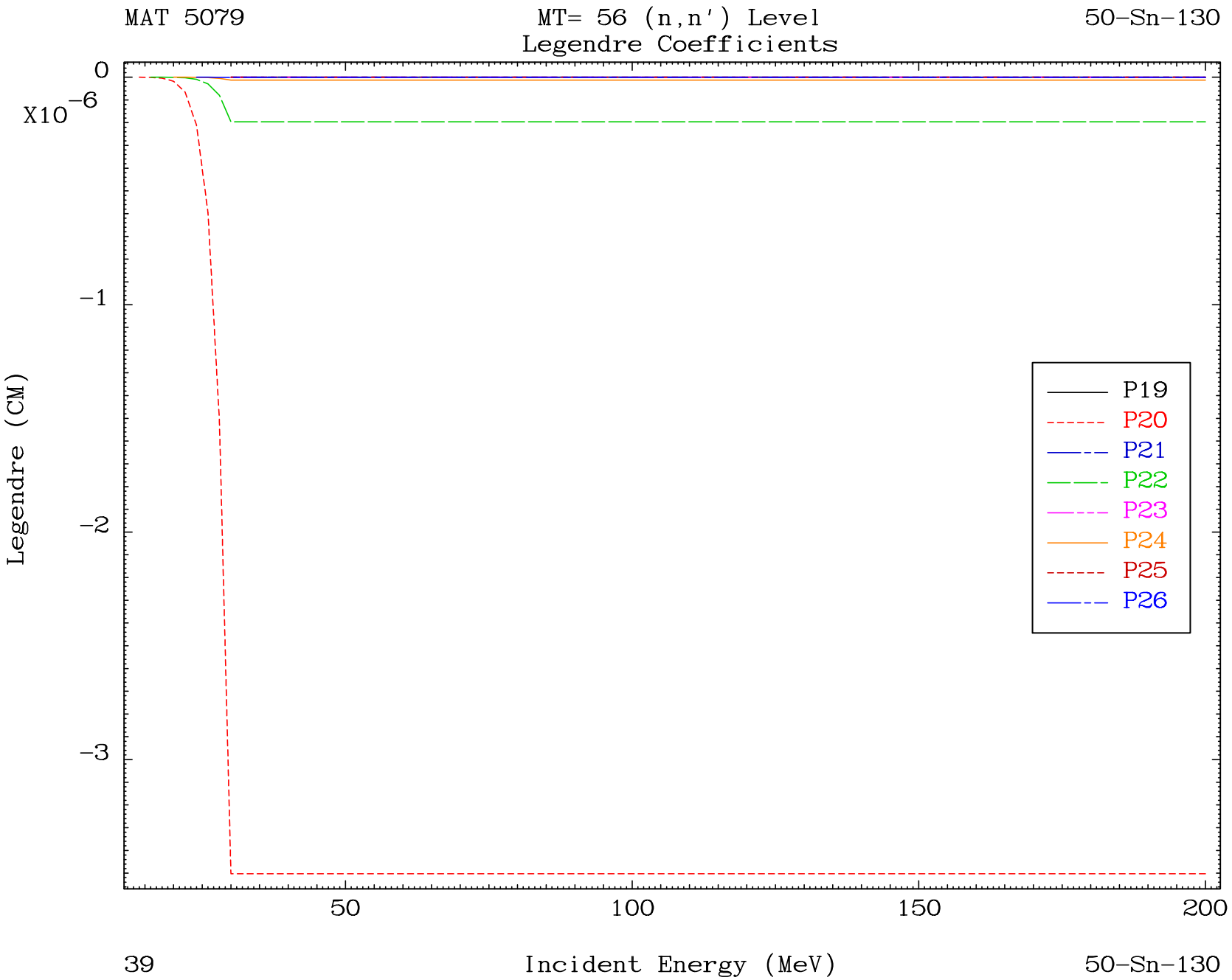

MAT 5079
MT= 55 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
34
Incident Energy (MeV)
50-Sn-130

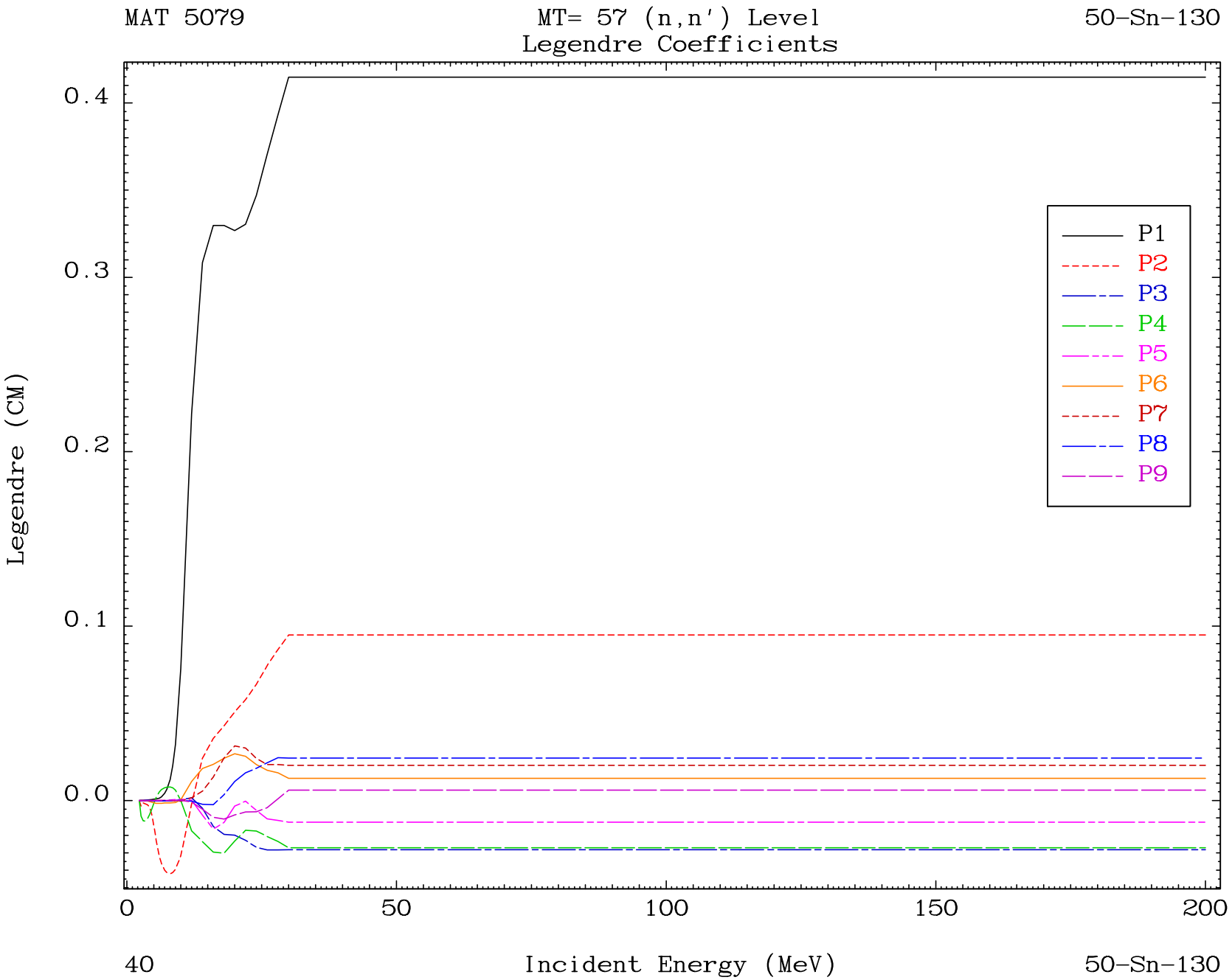

MAT 5079
MT= 55 (n,n') Level
Legendre Coefficients
50-Sn-130
1.0
X10^-4
0.5
0.0
-0.5
-1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
35
Incident Energy (MeV)
50-Sn-130

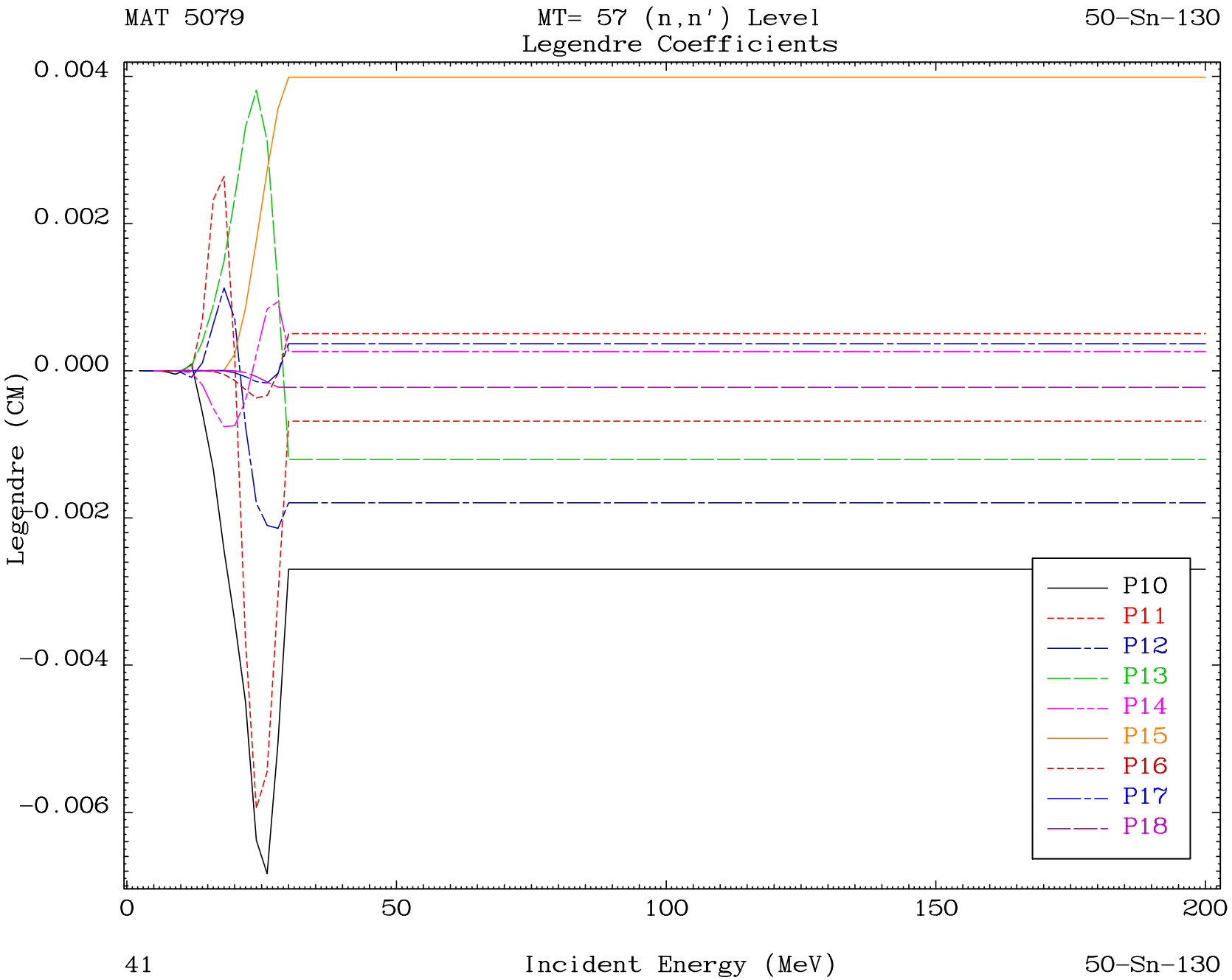

MAT 5079
MT= 55 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
36
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34

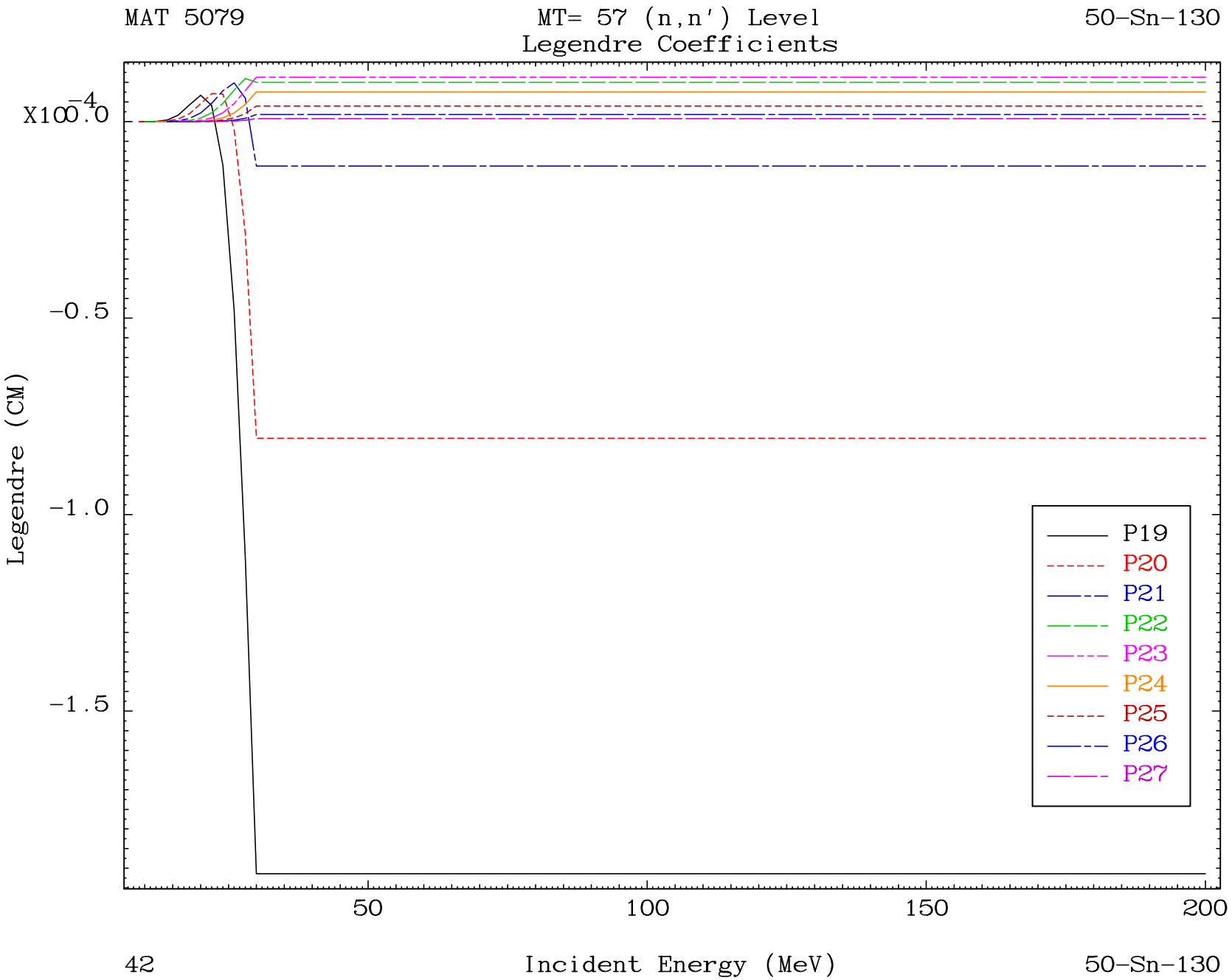

MAT 5079
MT= 56 (n,n') Level
Legendre Coefficients
50-Sn-130
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
37
Incident Energy (MeV)
50-Sn-130

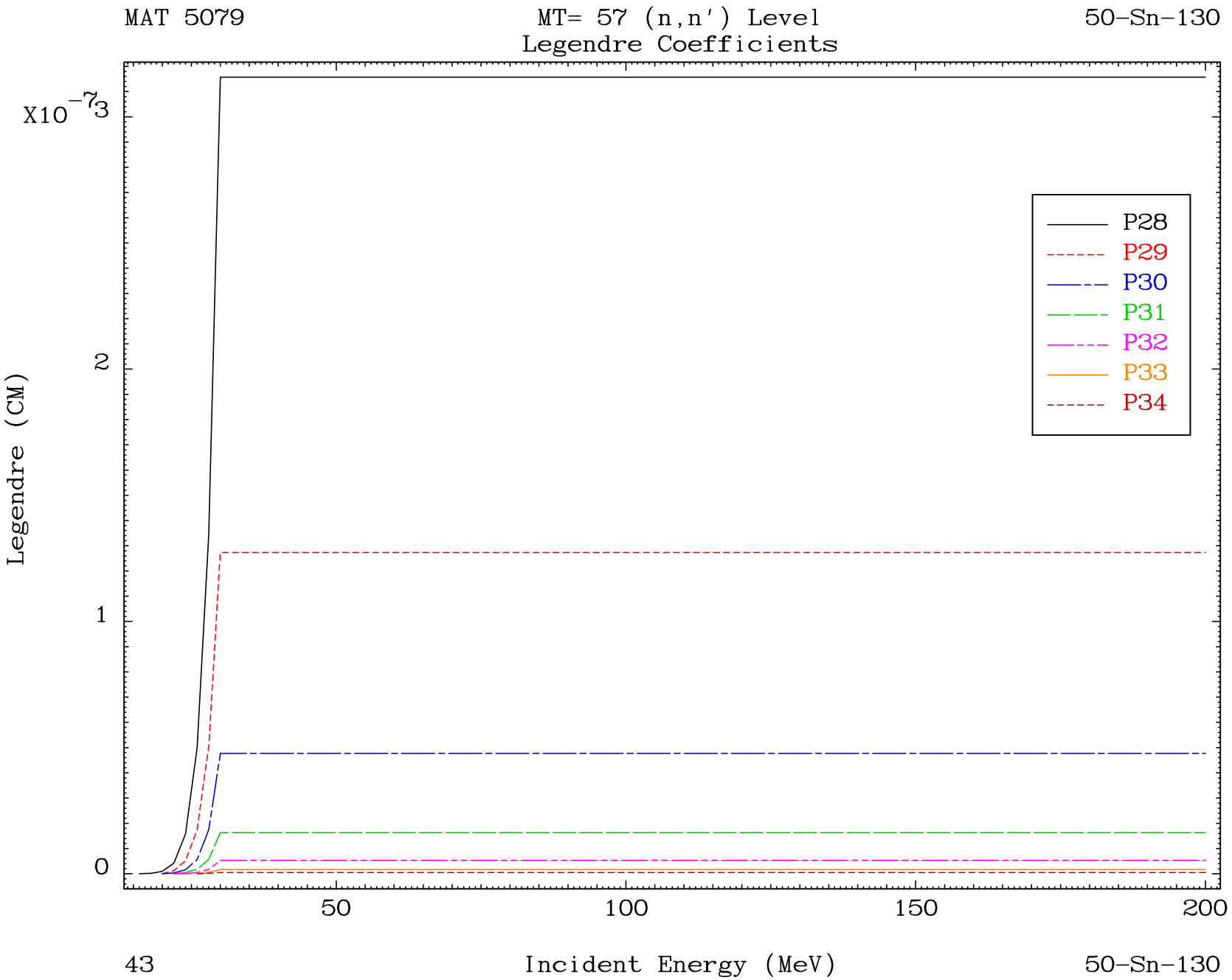

MAT 5079
MT= 56 (n,n') Level
Legendre Coefficients
50-Sn-130
X10+32
0.8
0.4
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
38
Incident Energy (MeV)
50-Sn-130

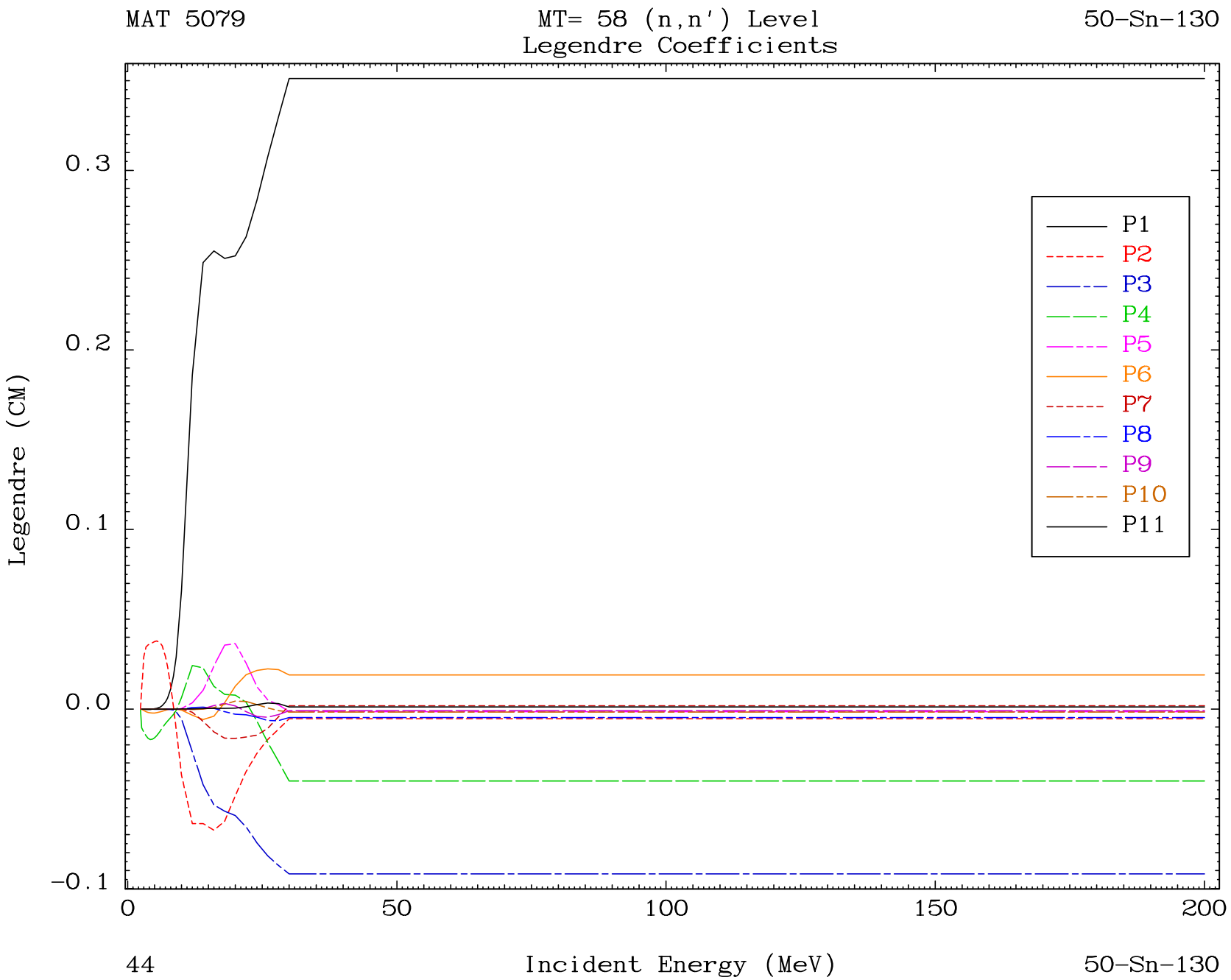

MAT 5079
MT= 56 (n,n') Level
Legendre Coefficients
50-Sn-130
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26

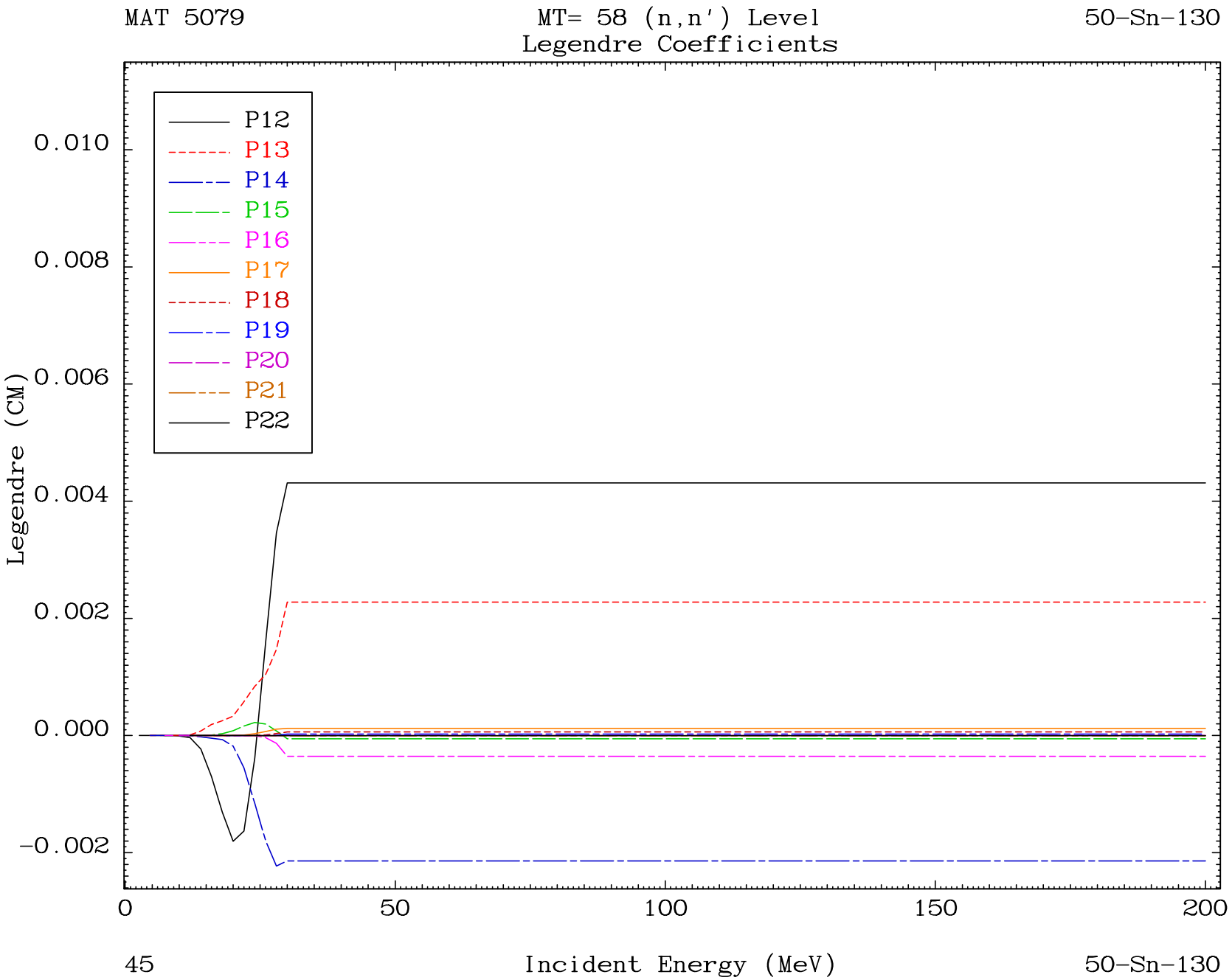

MAT 5079
MT= 57 (n,n') Level
Legendre Coefficients
50-Sn-130
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
50-Sn-130

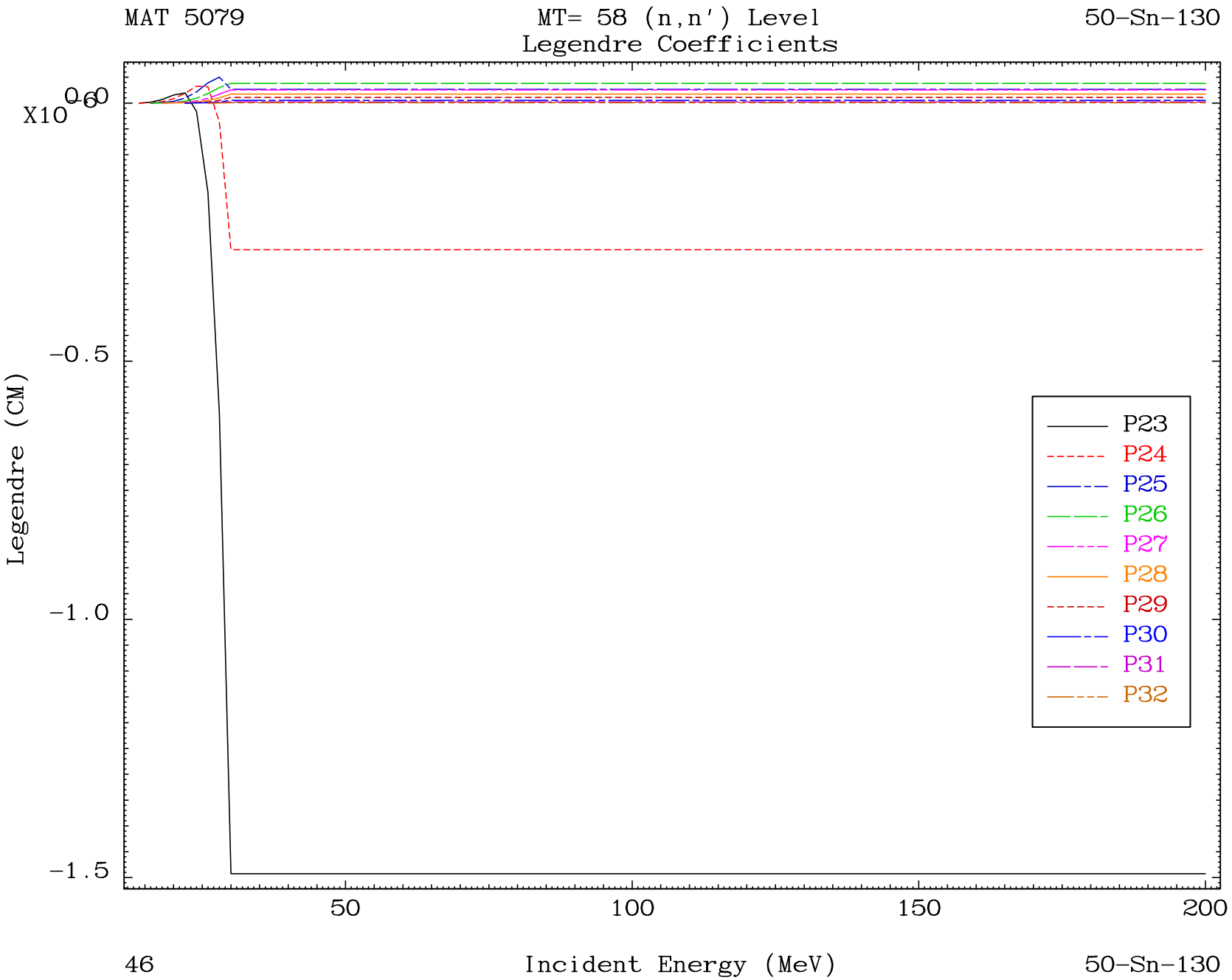

MAT 5079
MT= 57 (n,n') Level
Legendre Coefficients
50-Sn-130
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18

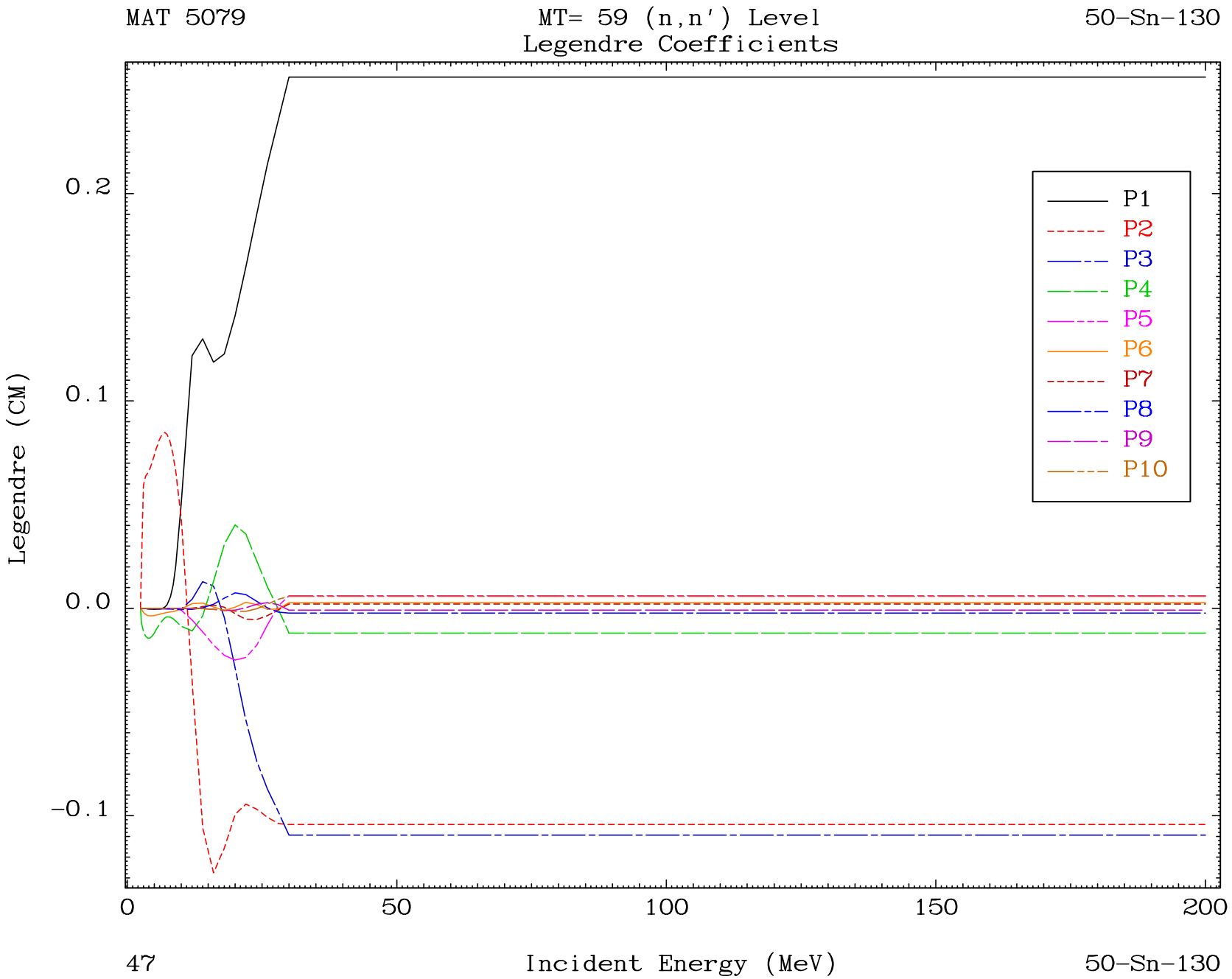

MAT 5079
MT= 57 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27

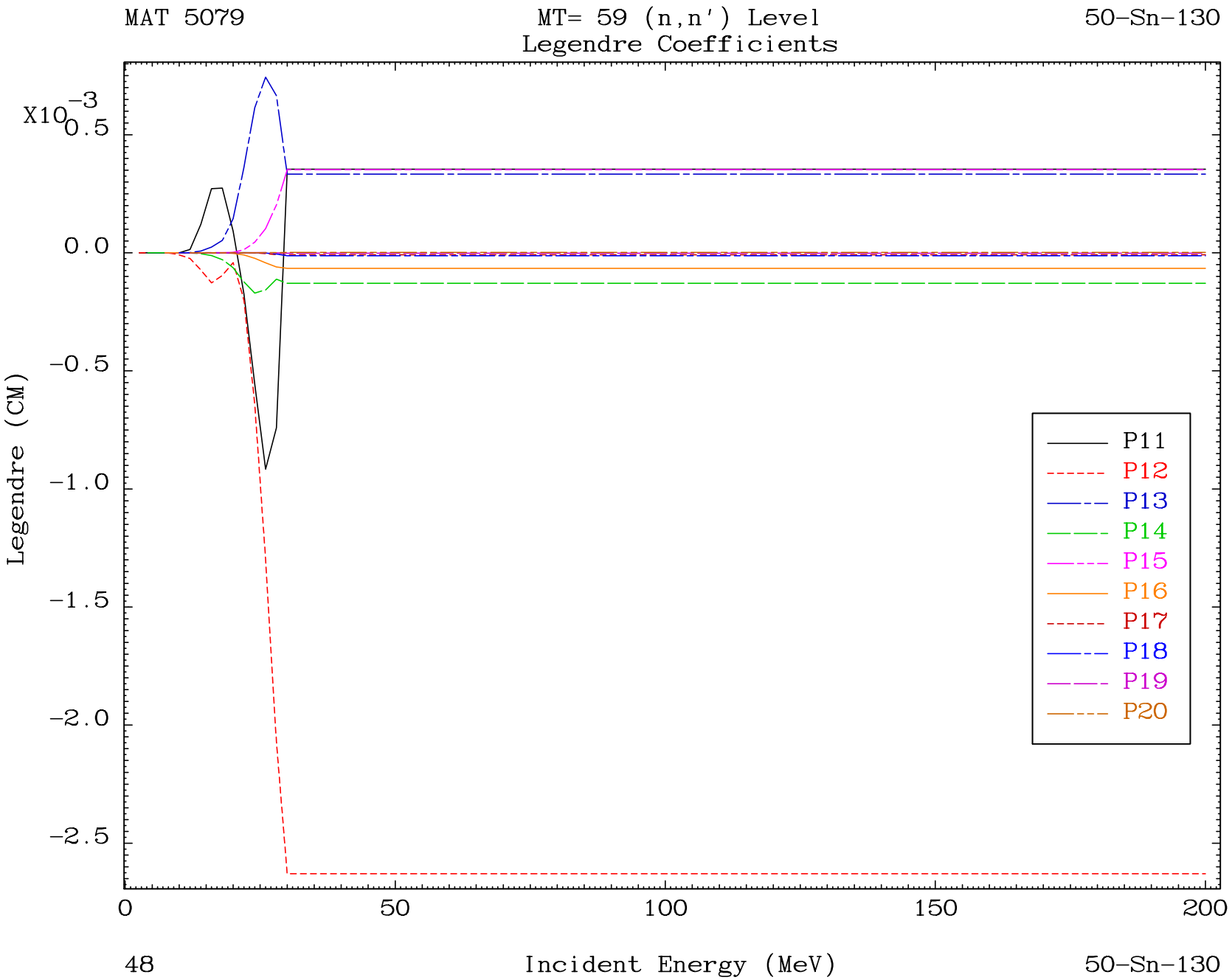

MAT 5079
MT= 57 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
43
Incident Energy (MeV)
50-Sn-130

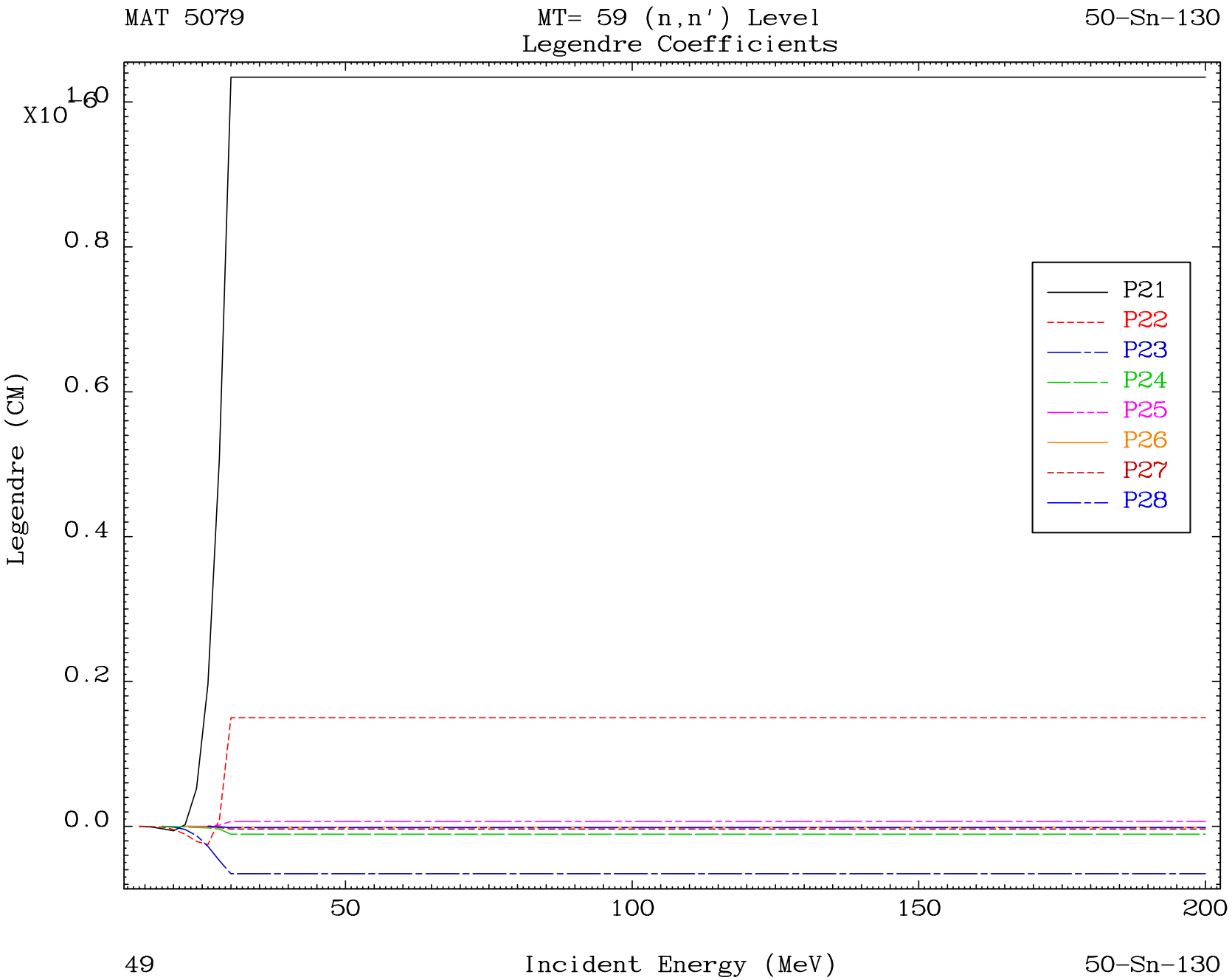

MAT 5079
MT= 58 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
44
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

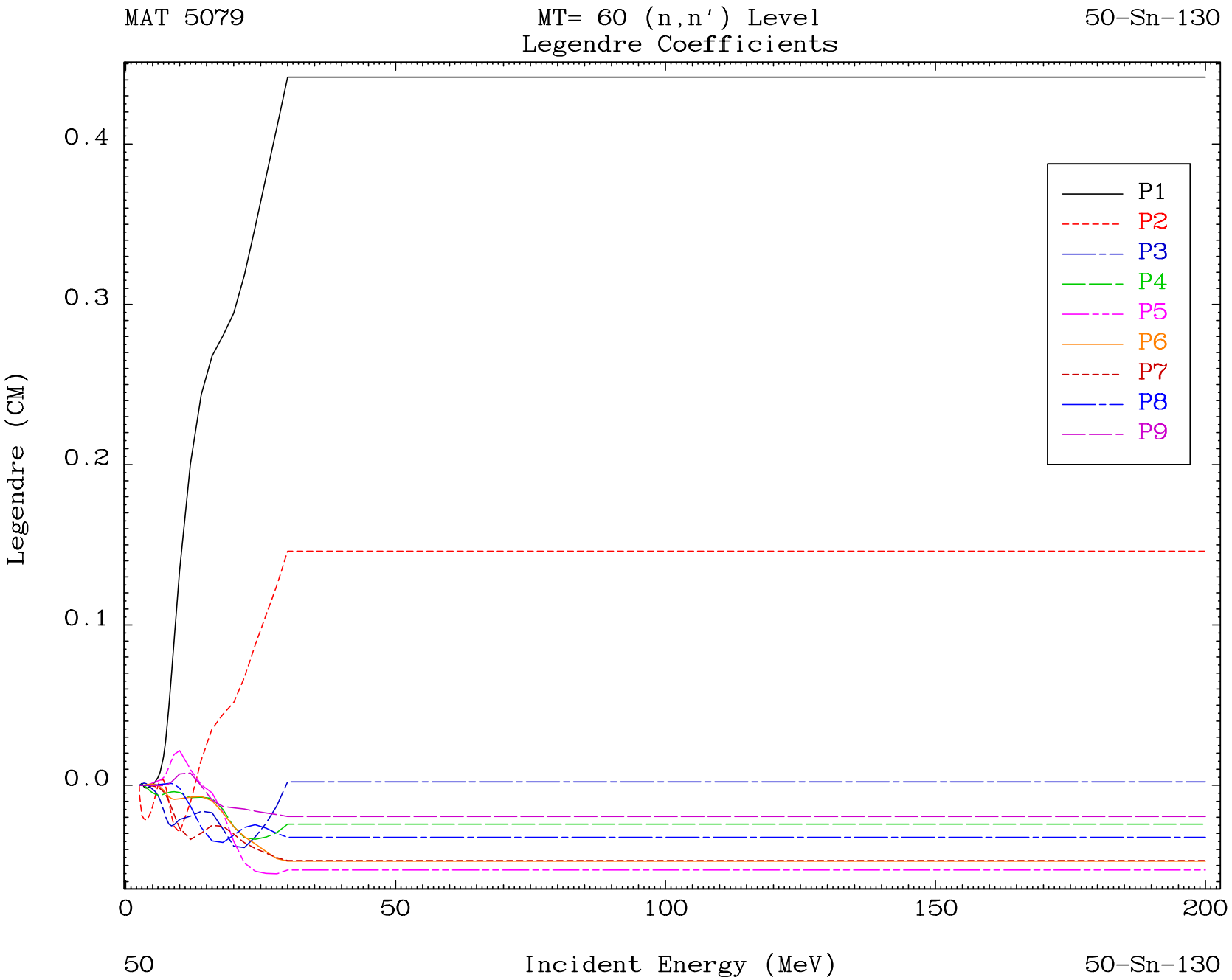

MAT 5079
MT= 58 (n,n') Level
Legendre Coefficients
50-Sn-130
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
50-Sn-130

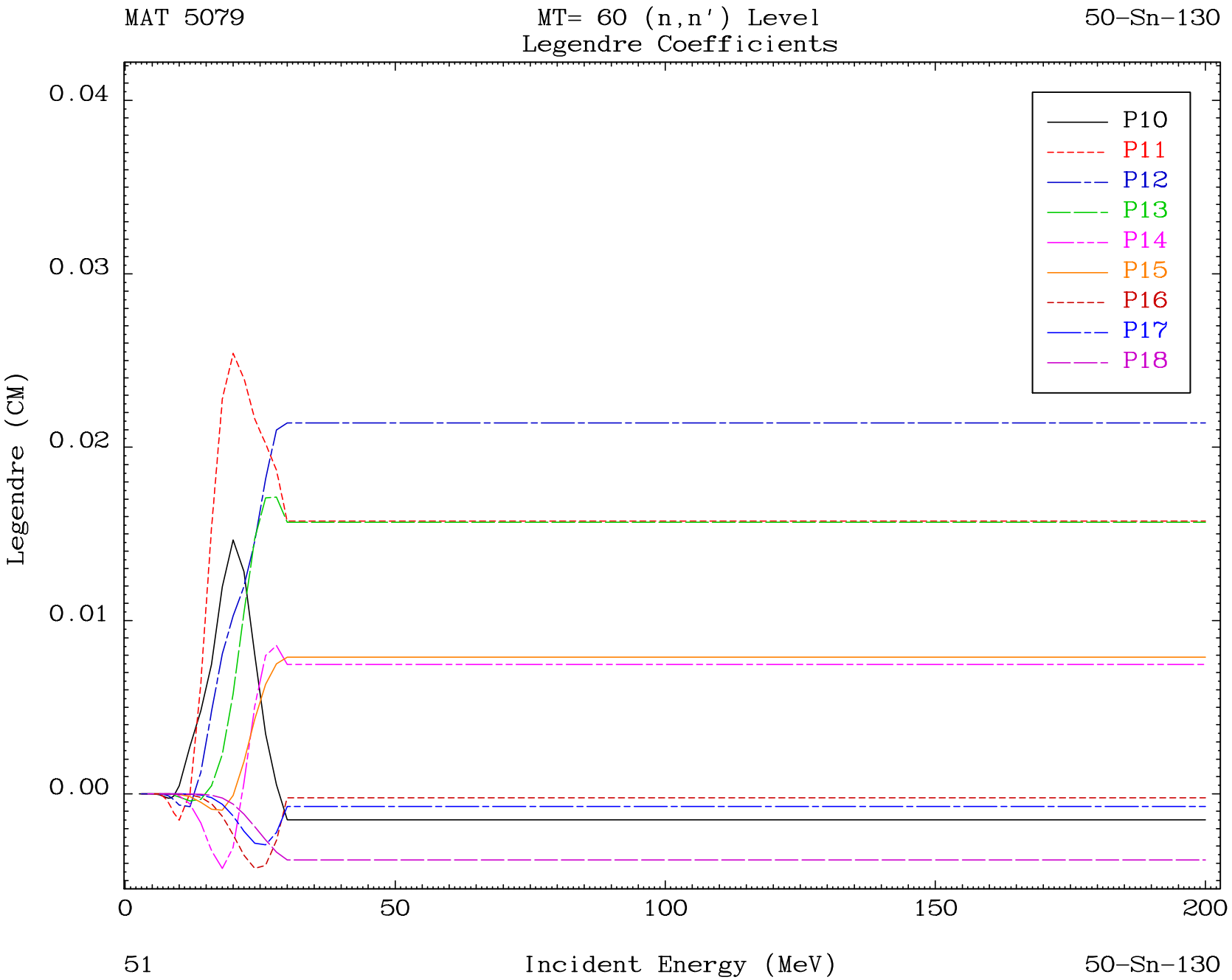

MAT 5079
MT= 58 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^0.0
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
46
50-Sn-130
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

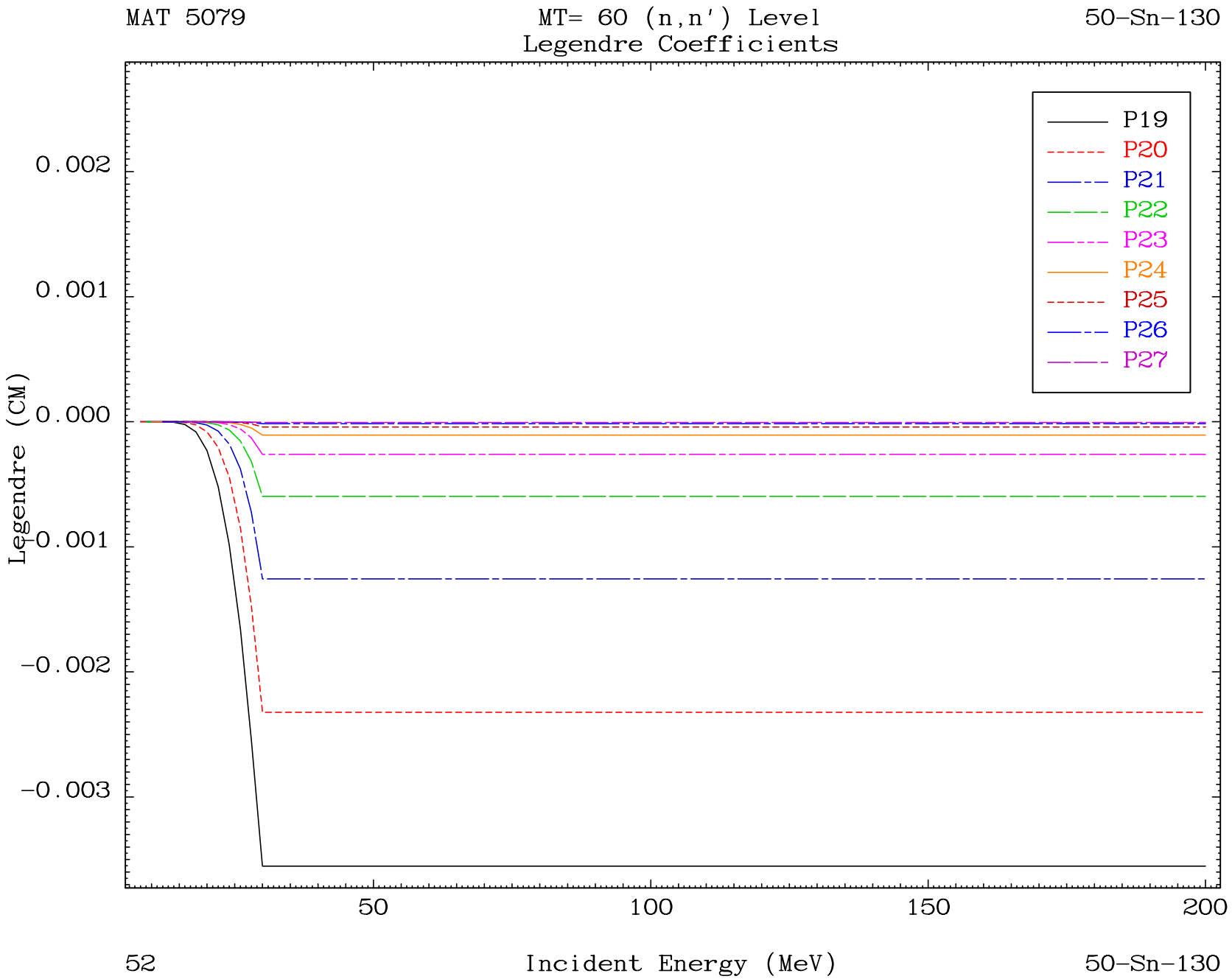

MAT 5079
MT= 59 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
47
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

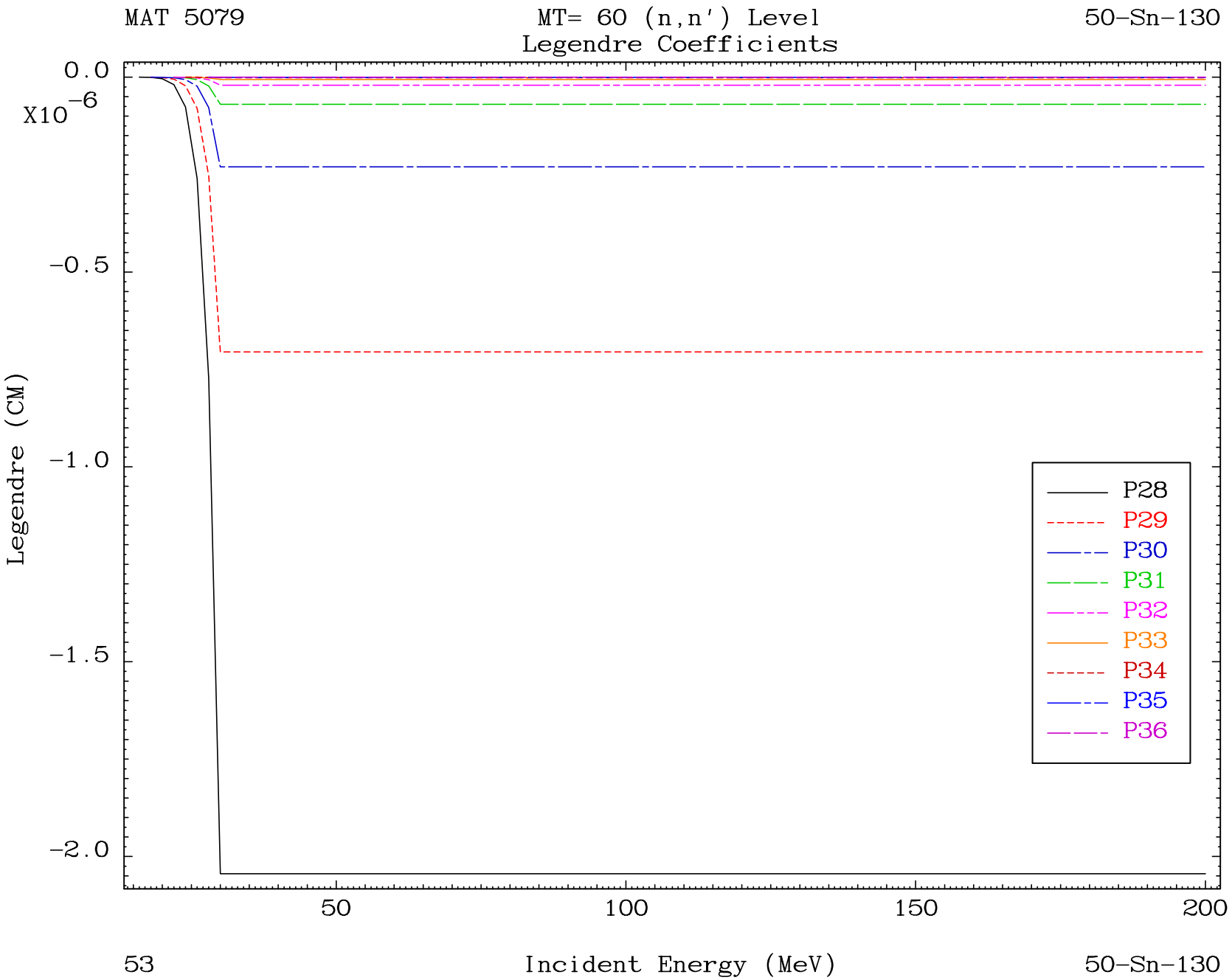

MAT 5079
MT= 59 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
50-Sn-130
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

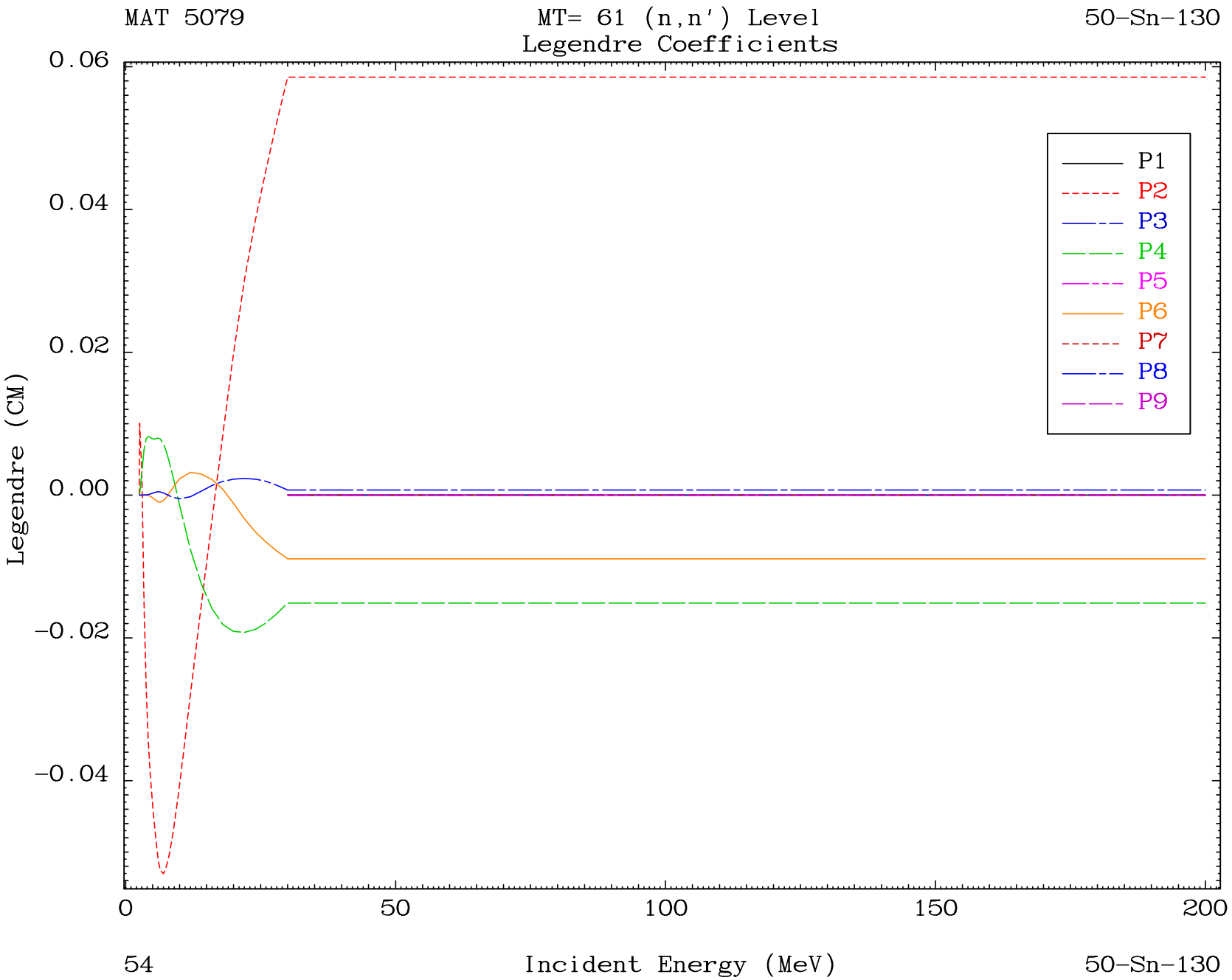

MAT 5079
MT= 59 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
50-Sn-130
P21
P22
P23
P24
P25
P26
P27
P28

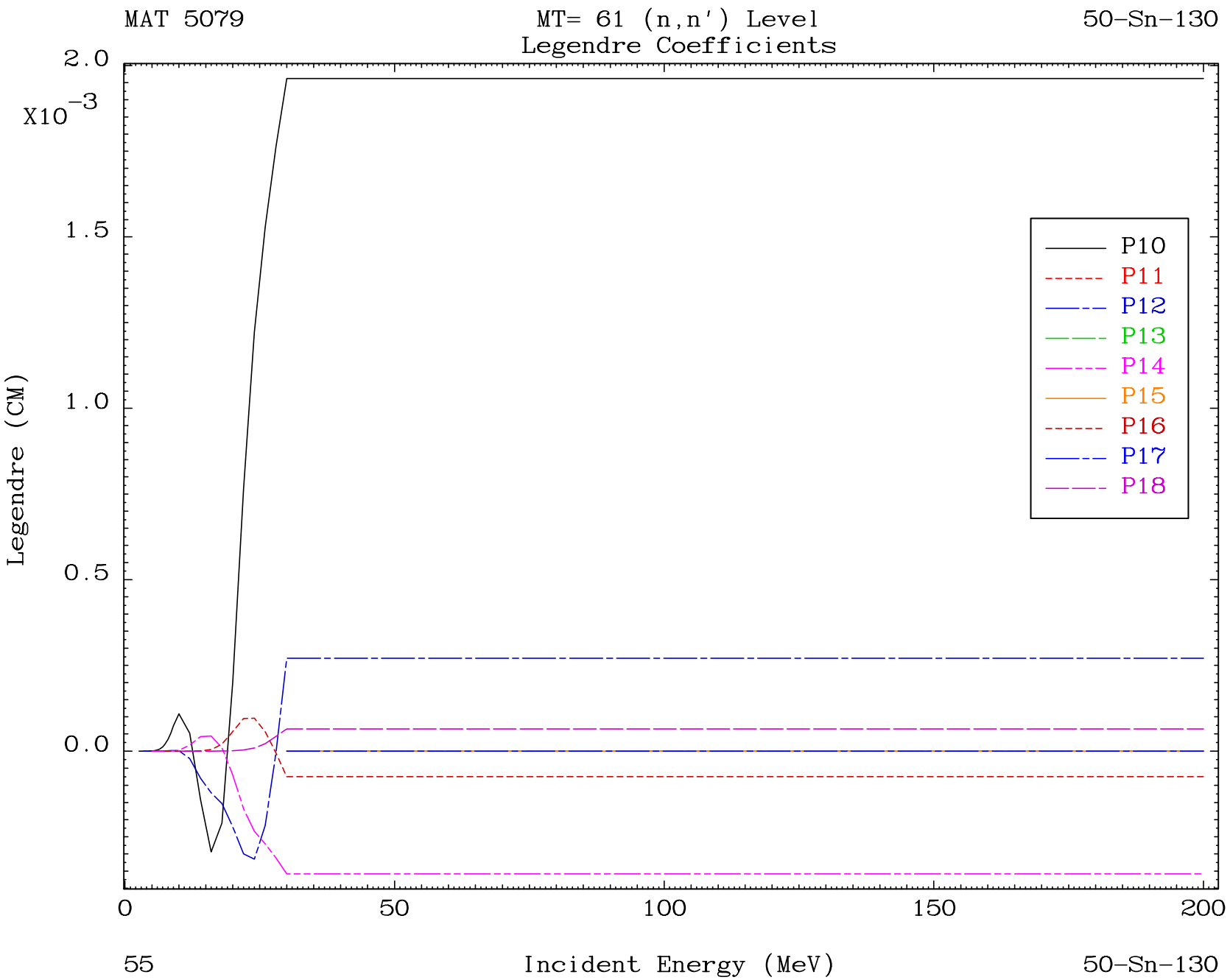

MAT 5079
MT= 60 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
50
Incident Energy (MeV)
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

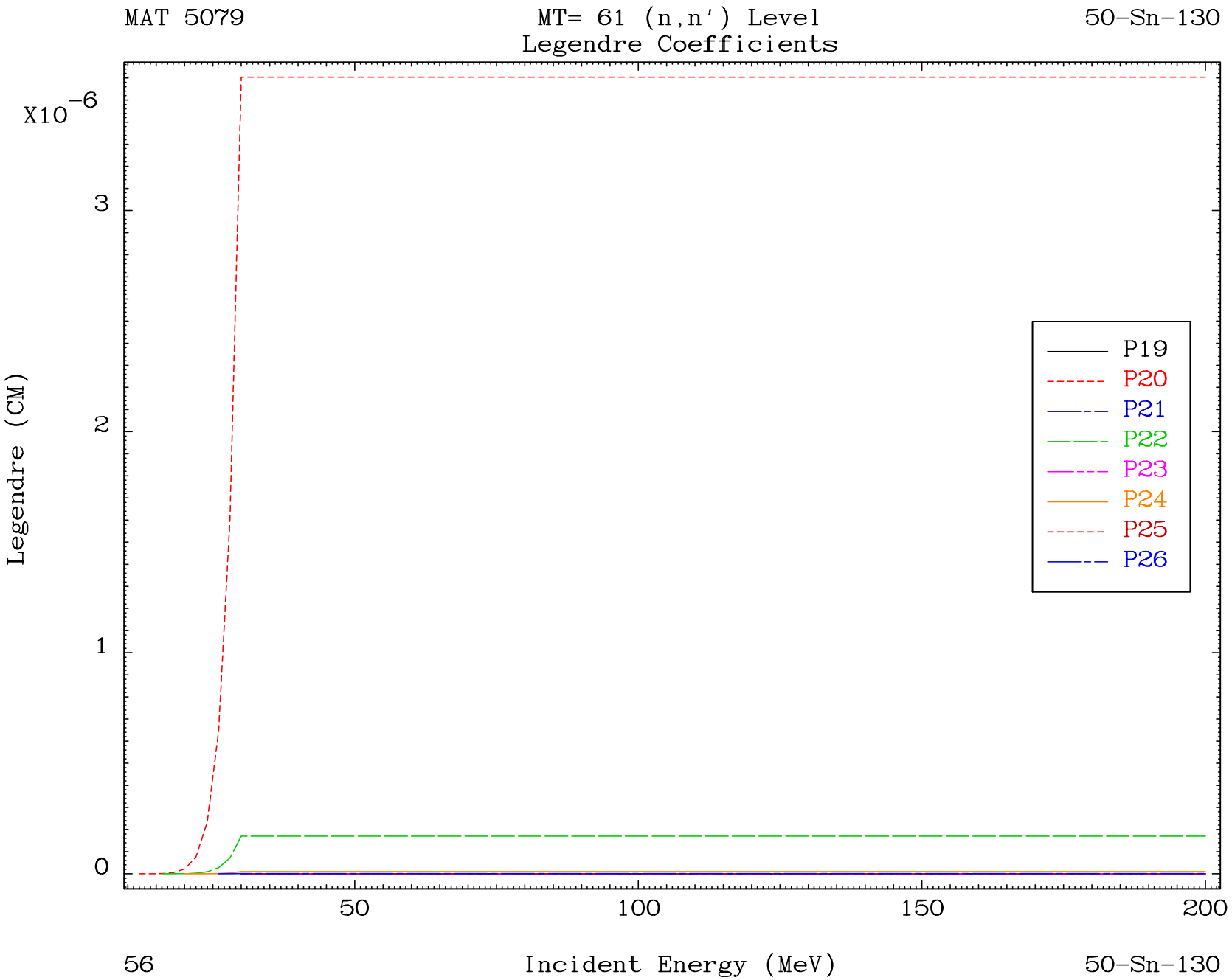

MAT 5079
MT= 60 (n,n') Level
Legendre Coefficients
50-Sn-130
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
51
Incident Energy (MeV)
50-Sn-130

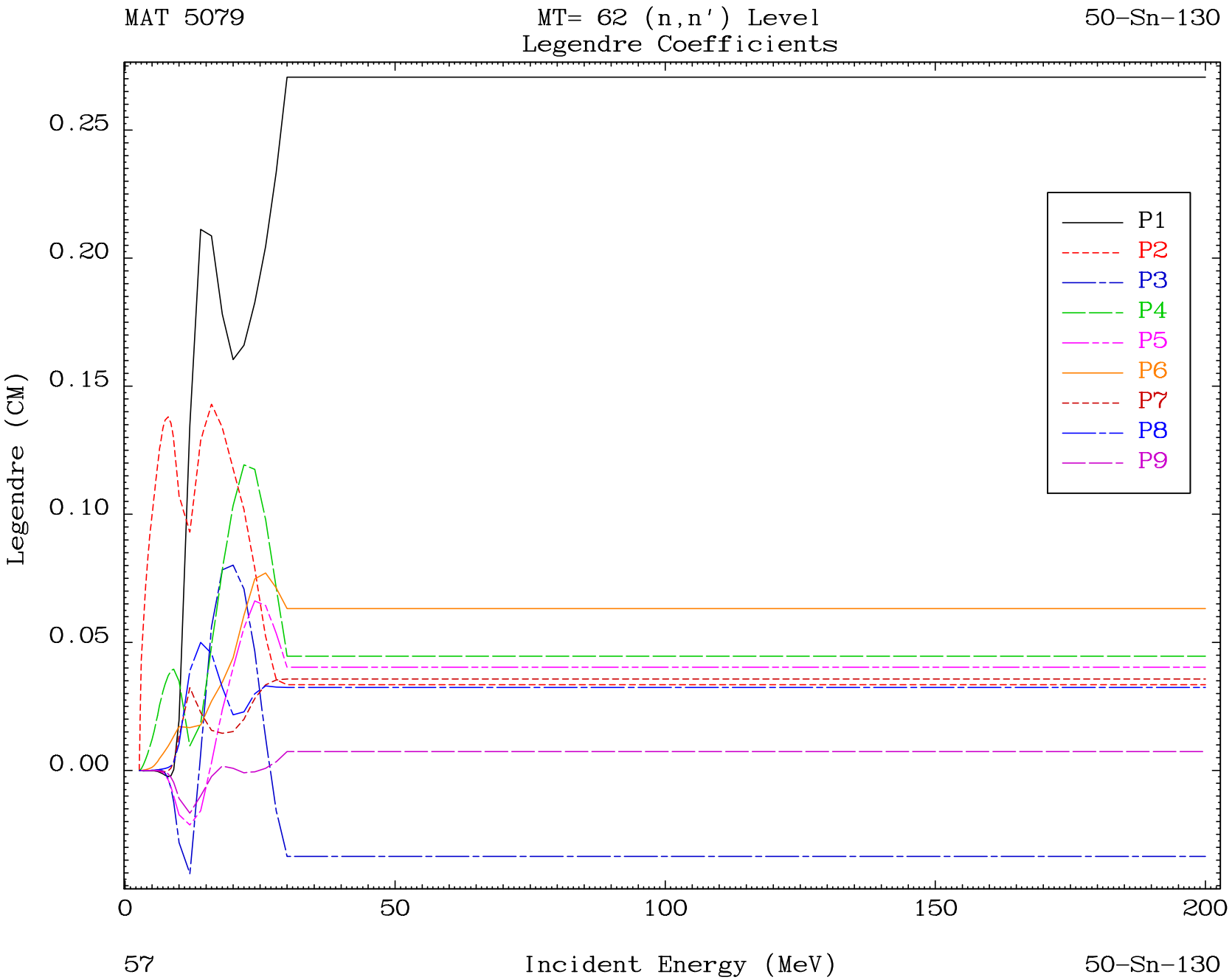

MAT 5079
MT= 60 (n,n') Level
Legendre Coefficients
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
50-Sn-130

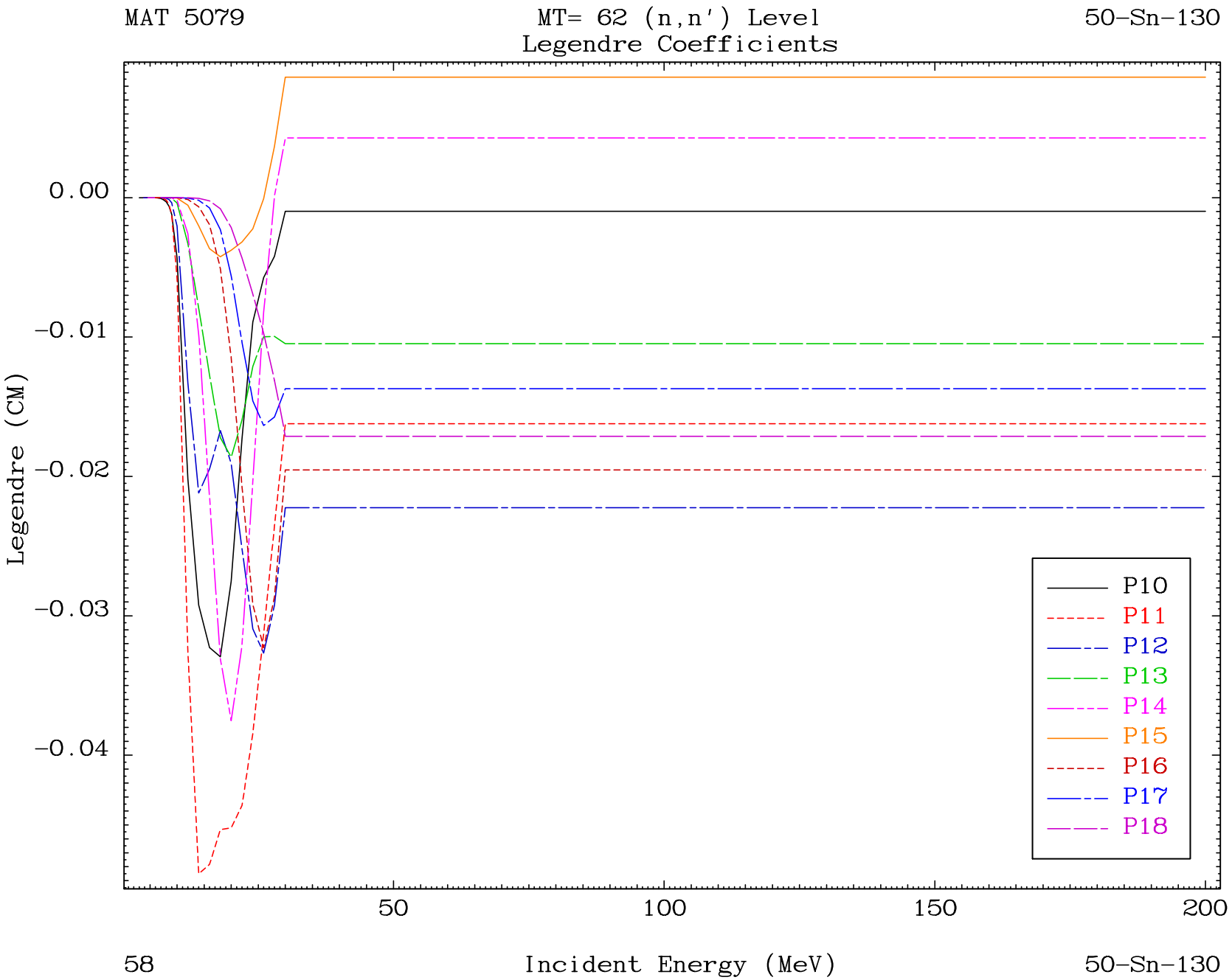

MAT 5079
MT= 60 (n,n') Level
Legendre Coefficients
50-Sn-130
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

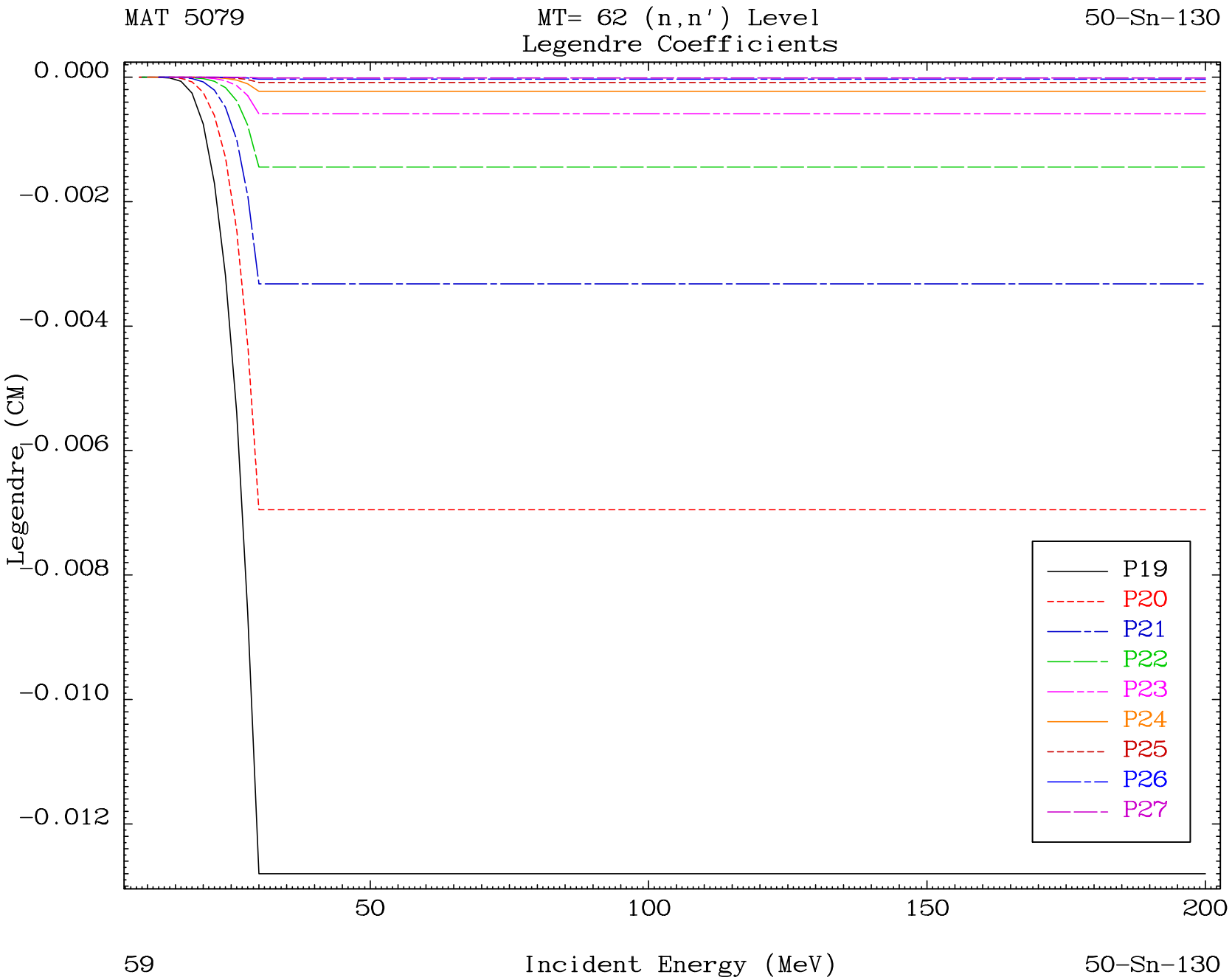

MAT 5079
MT= 61 (n,n') Level
Legendre Coefficients
50-Sn-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
54
Incident Energy (MeV)
50-Sn-130

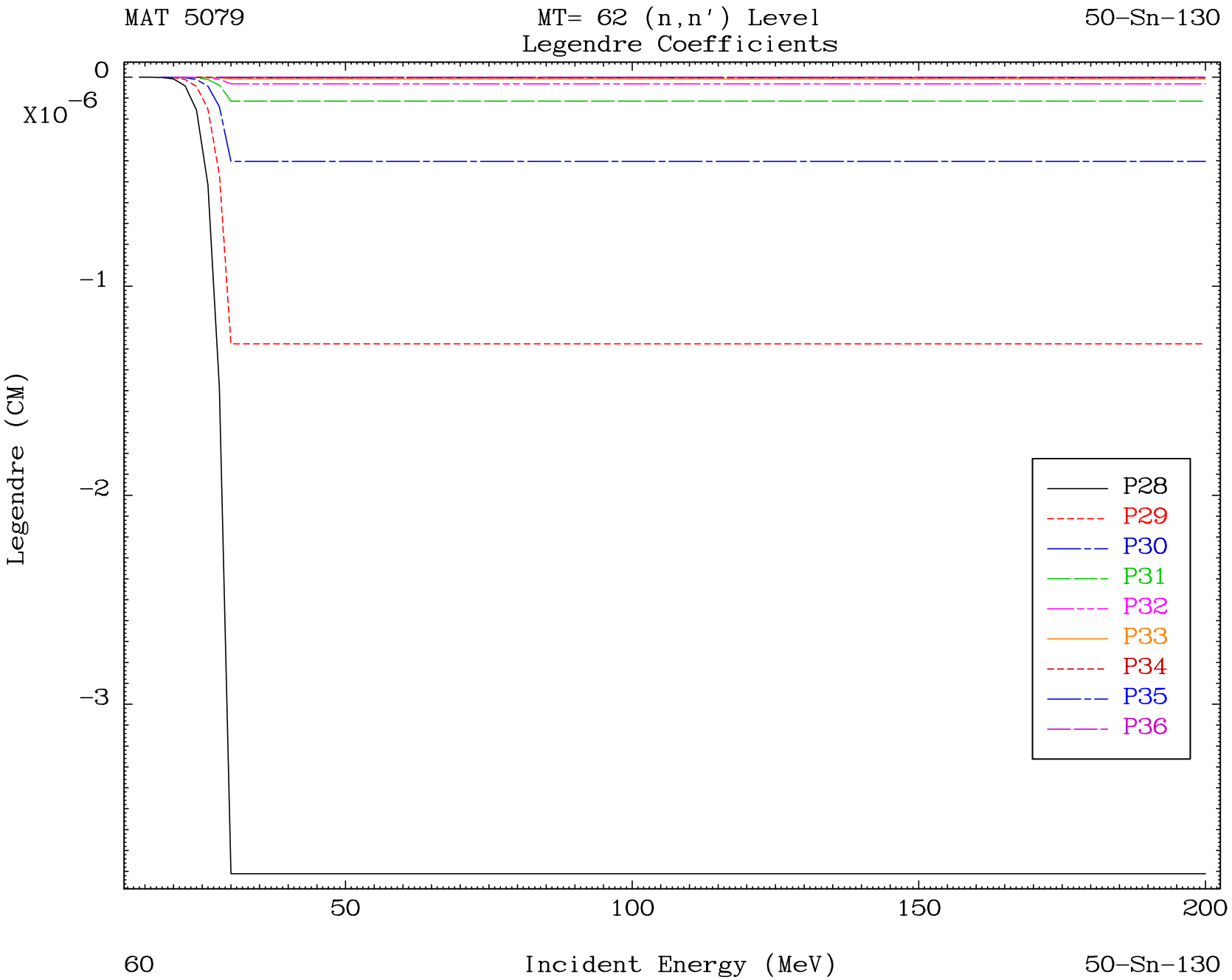

MAT 5079
MT= 61 (n,n') Level
Legendre Coefficients
50-Sn-130
2.0
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
55
Incident Energy (MeV)
50-Sn-130

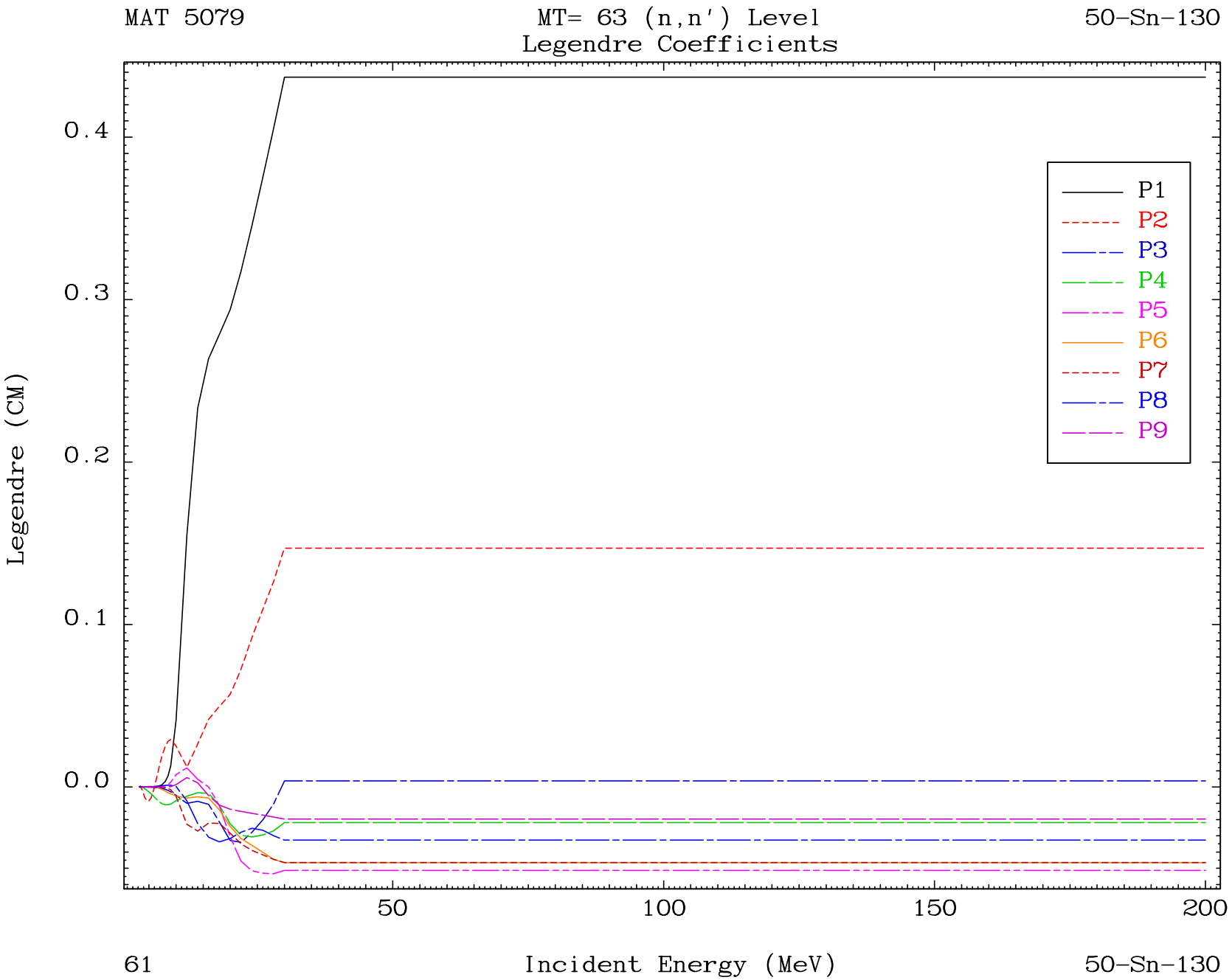

MAT 5079
MT= 61 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-6
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
56
Incident Energy (MeV)
50-Sn-130

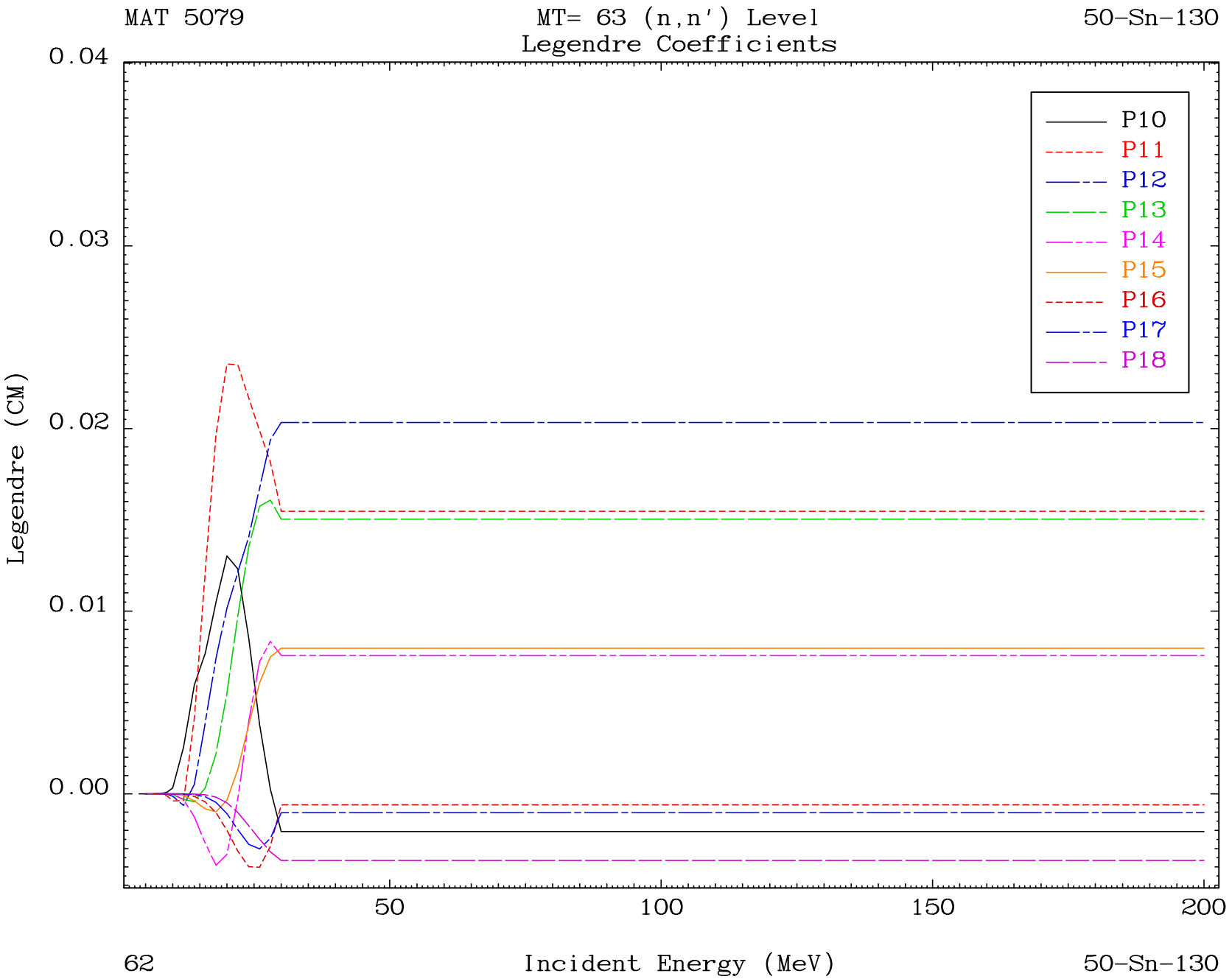

MAT 5079
MT= 62 (n,n') Level
Legendre Coefficients
50-Sn-130
0.25
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
57
Incident Energy (MeV)
50-Sn-130

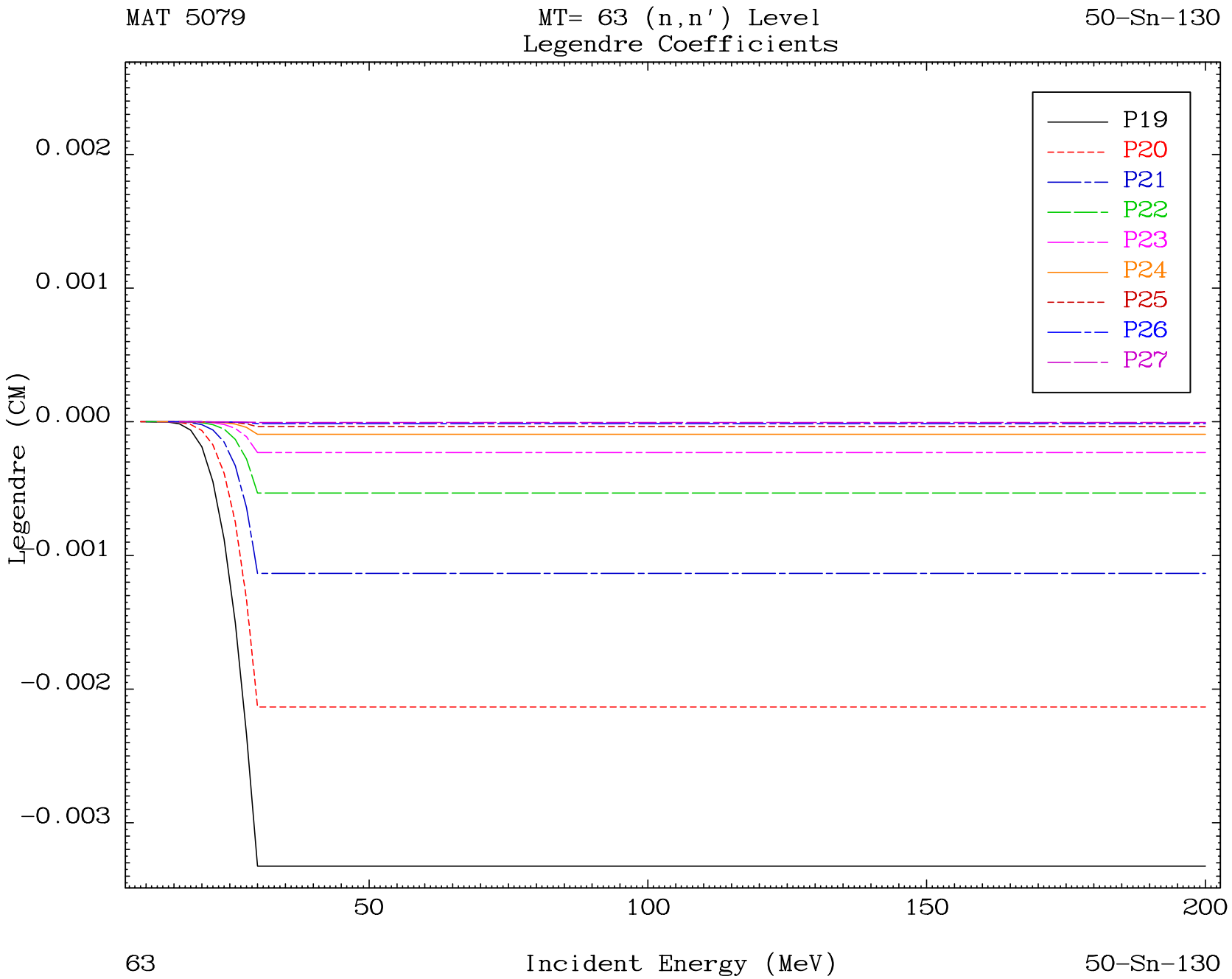

MAT 5079
MT= 62 (n,n') Level
Legendre Coefficients
50-Sn-130
0.00
-0.01
-0.02
-0.03
-0.04
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18

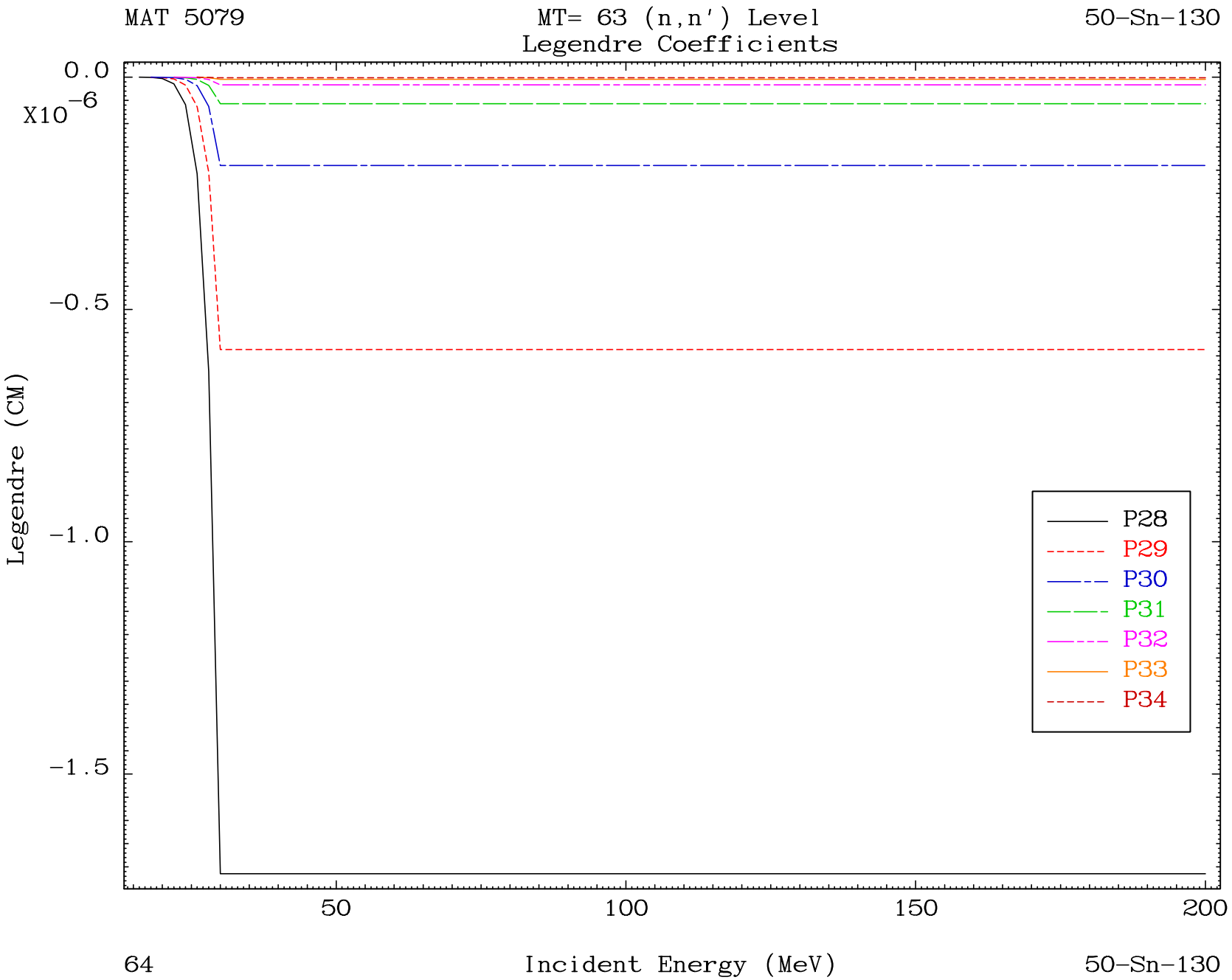

MAT 5079
MT= 62 (n,n') Level
Legendre Coefficients
50-Sn-130
0.000
-0.002
-0.004
-0.006
-0.008
-0.010
-0.012
Legendre$_l$ (CM)
50
100
150
200
59
Incident Energy (MeV)
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27

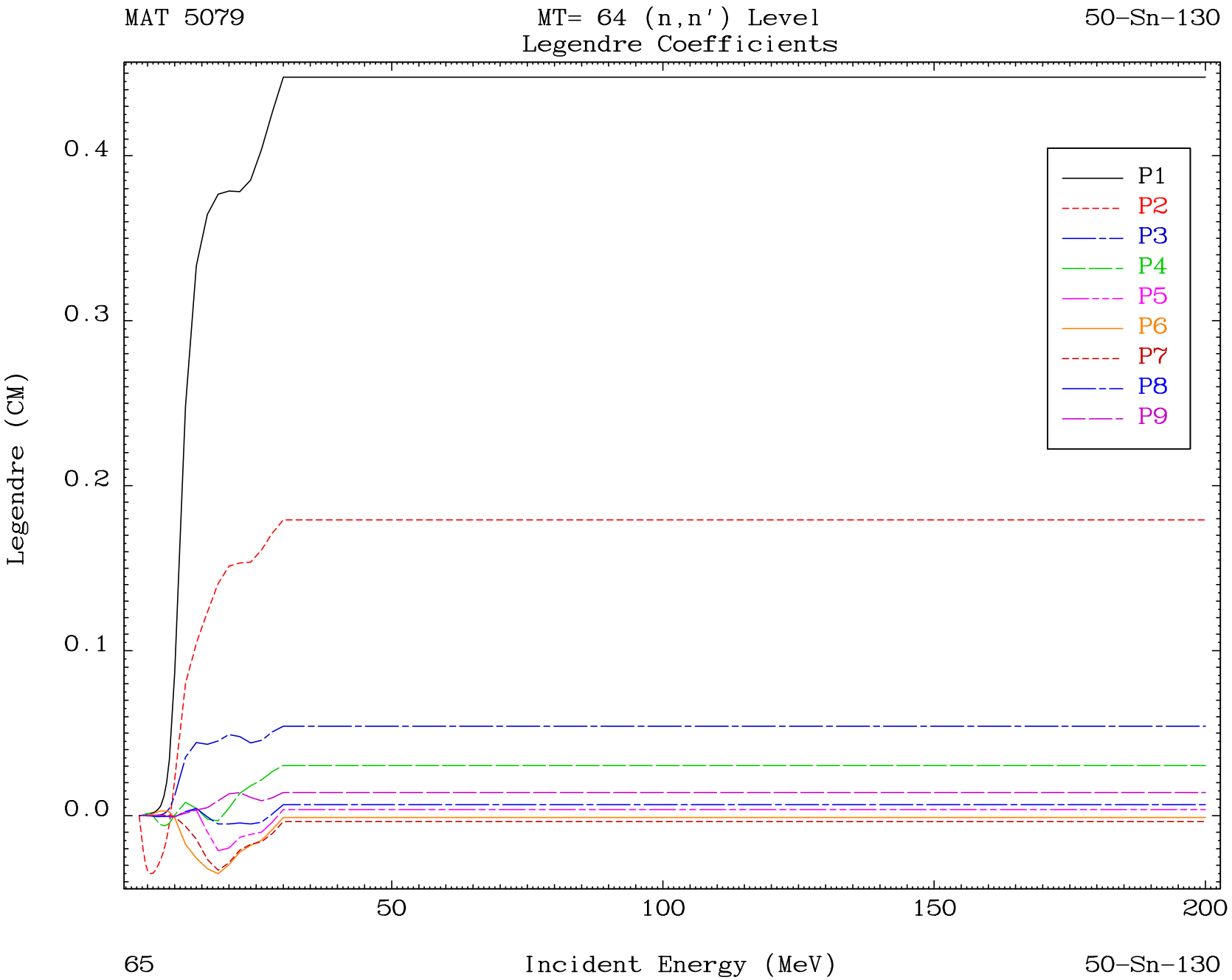

MAT 5079
MT= 62 (n,n') Level
Legendre Coefficients
50-Sn-130
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

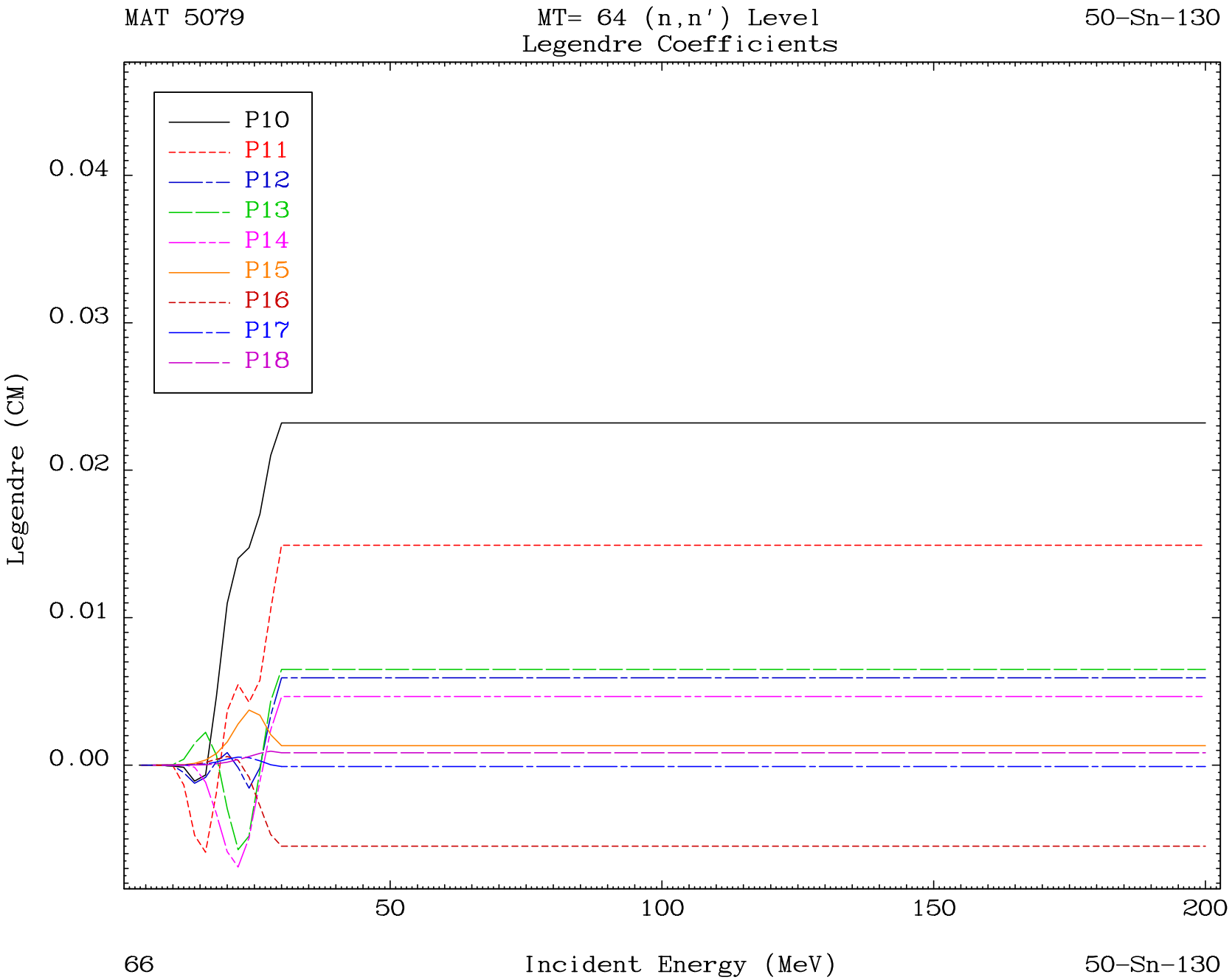

MAT 5079
MT= 63 (n,n') Level
Legendre Coefficients
50-Sn-130
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
61
Incident Energy (MeV)
50-Sn-130

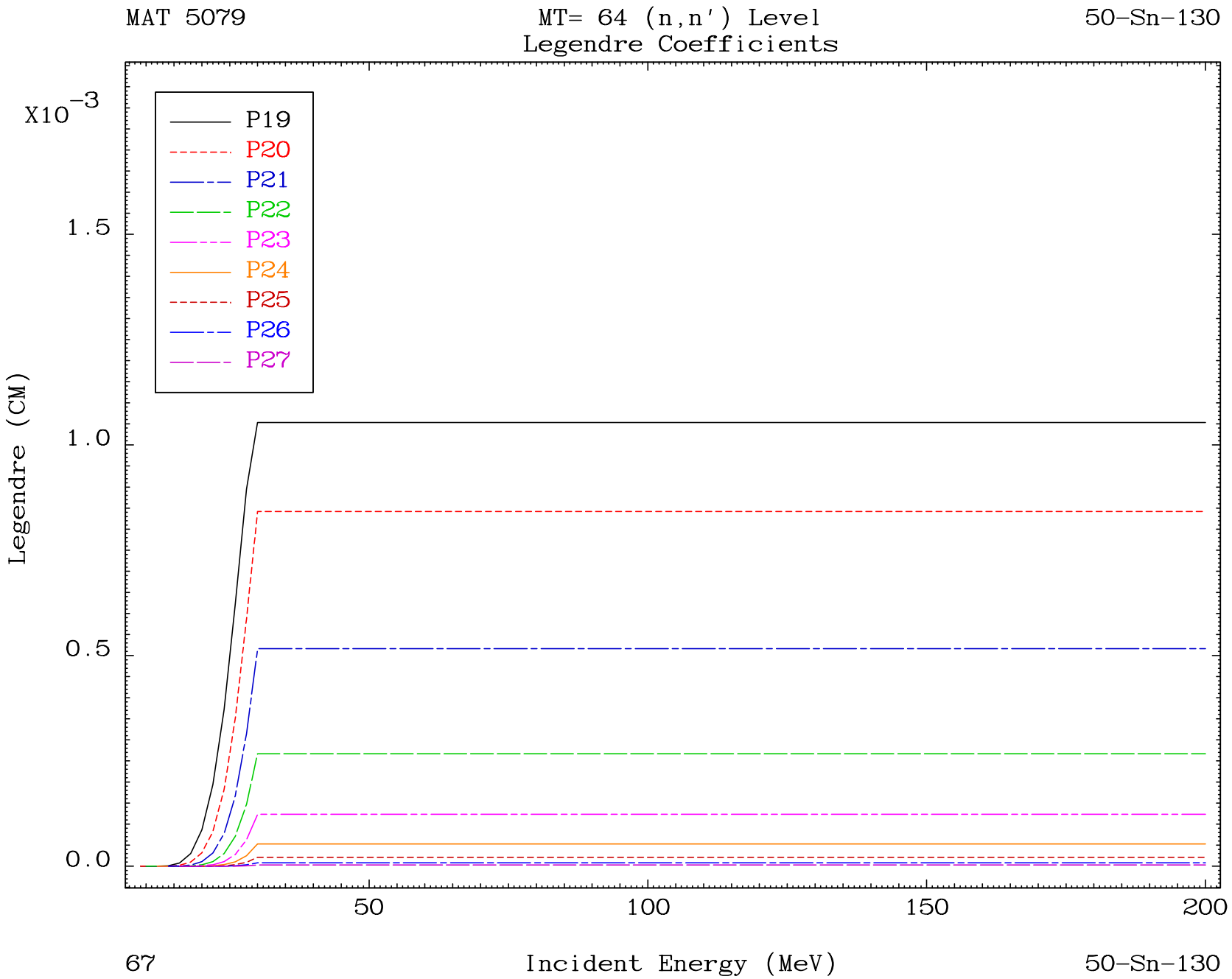

MAT 5079
MT= 63 (n,n') Level
Legendre Coefficients
50-Sn-130
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
62
Incident Energy (MeV)
50-Sn-130

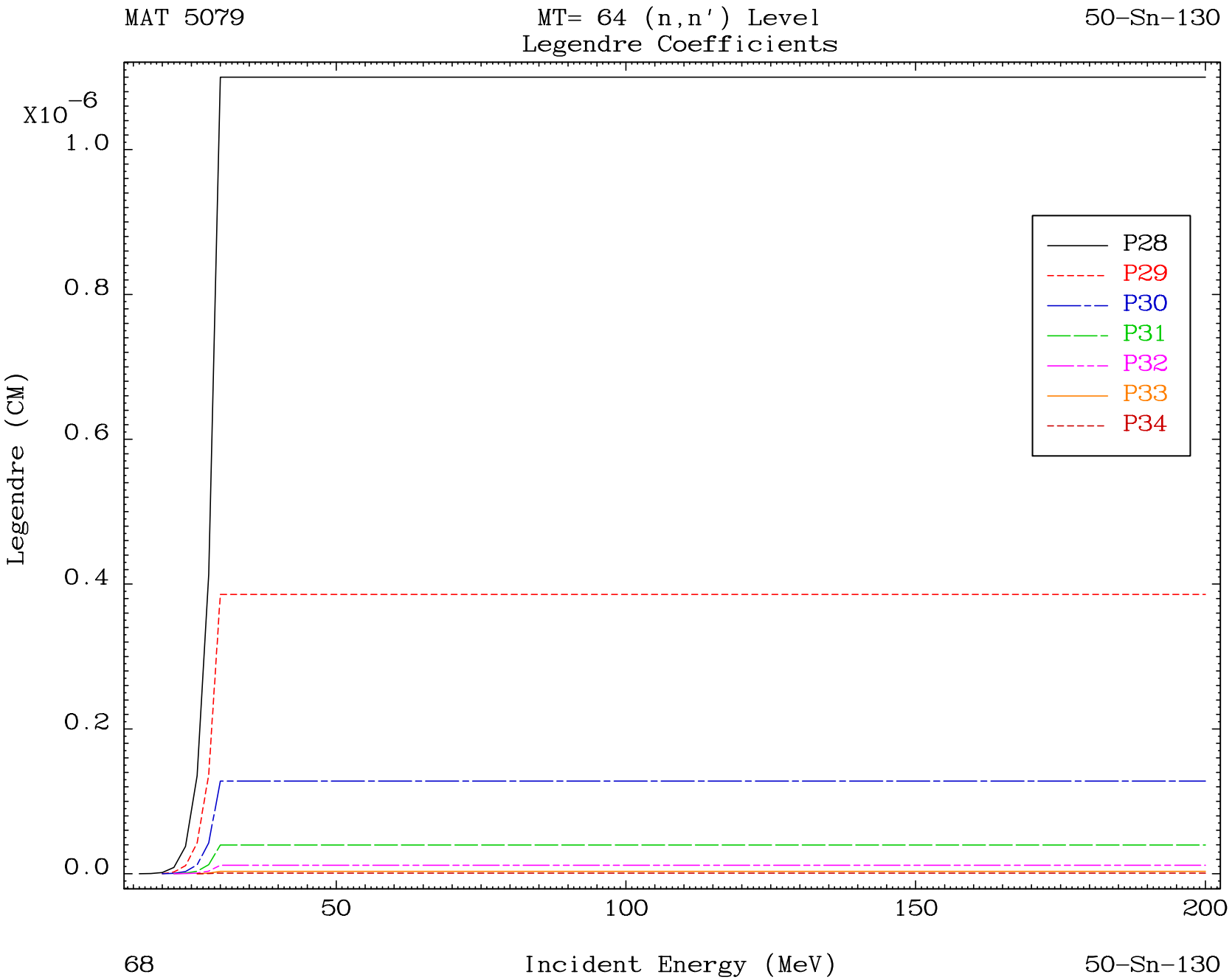

MAT 5079
MT= 63 (n,n') Level
Legendre Coefficients
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
50-Sn-130

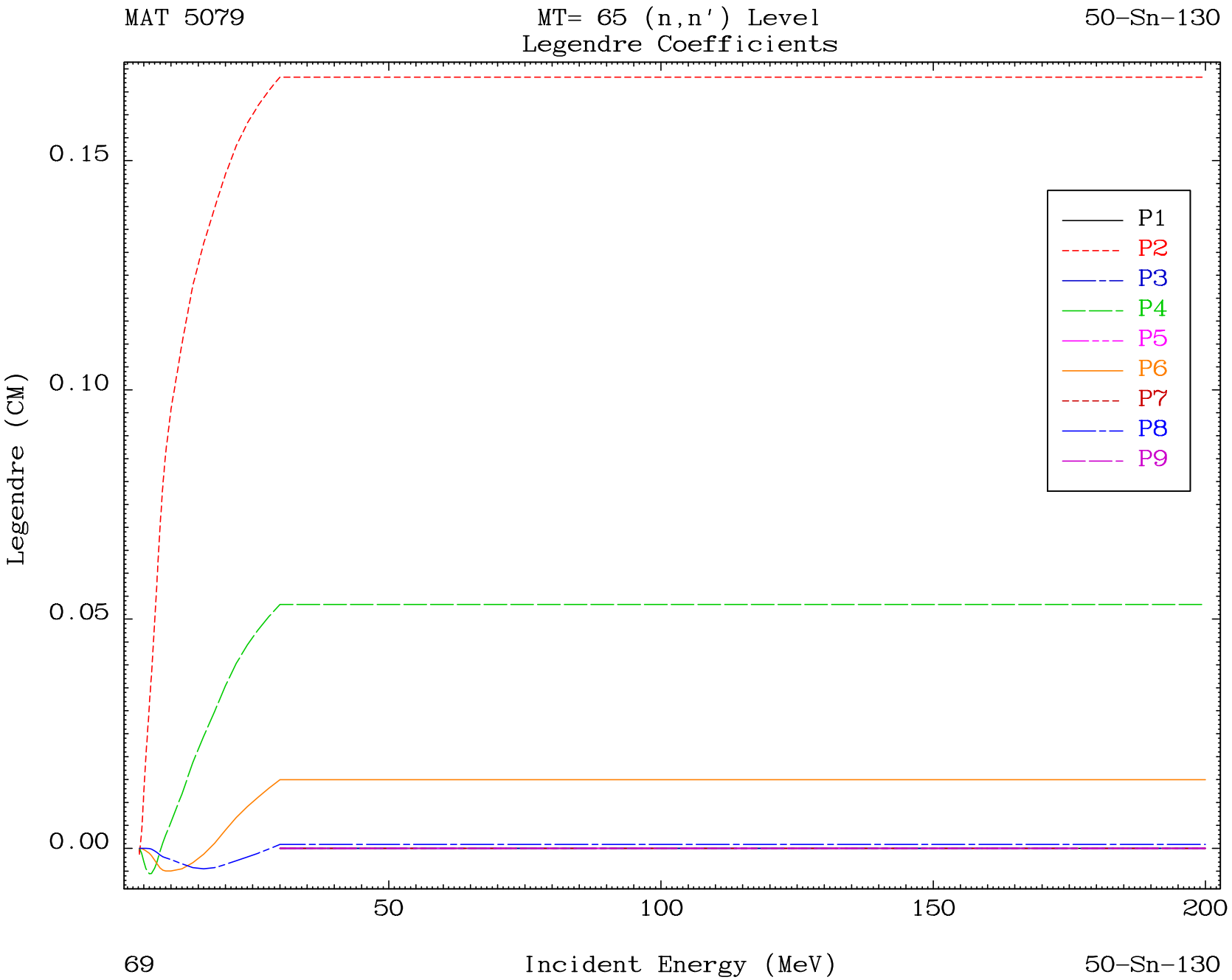

MAT 5079
MT= 63 (n,n') Level
Legendre Coefficients
50-Sn-130
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34

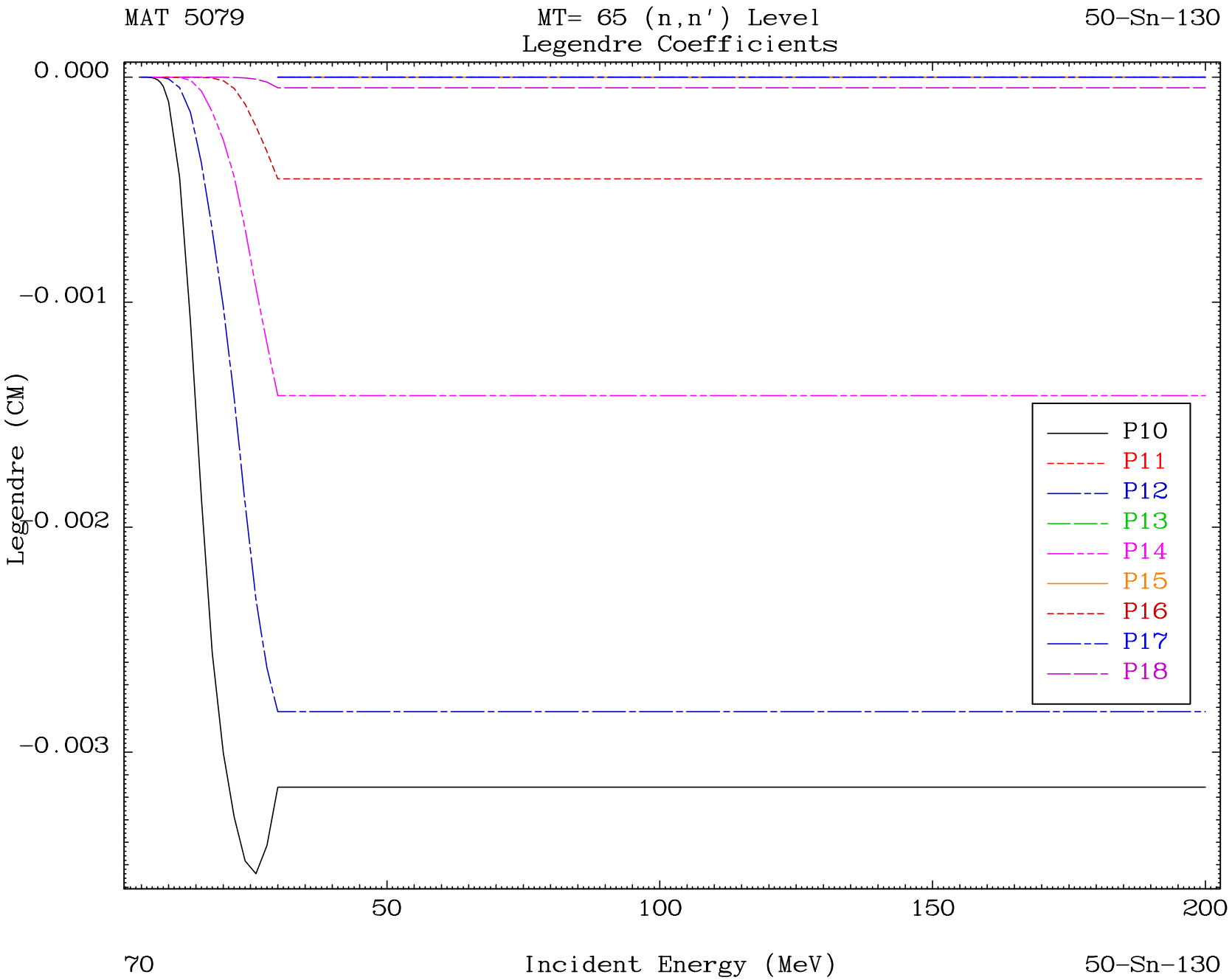

MAT 5079
MT= 64 (n,n') Level
Legendre Coefficients
50-Sn-130
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
65
Incident Energy (MeV)
50-Sn-130

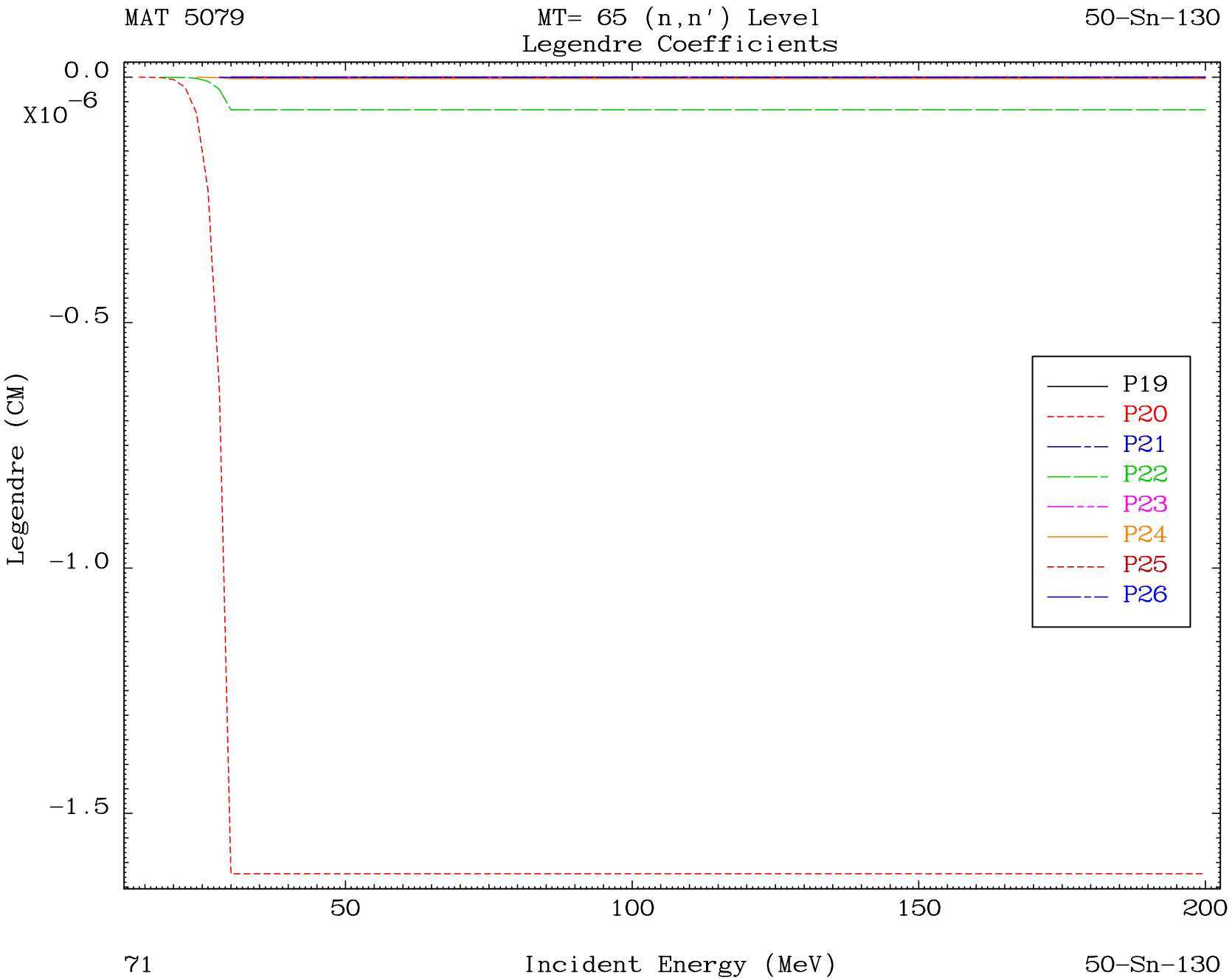

MAT 5079
MT= 64 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
50-Sn-130

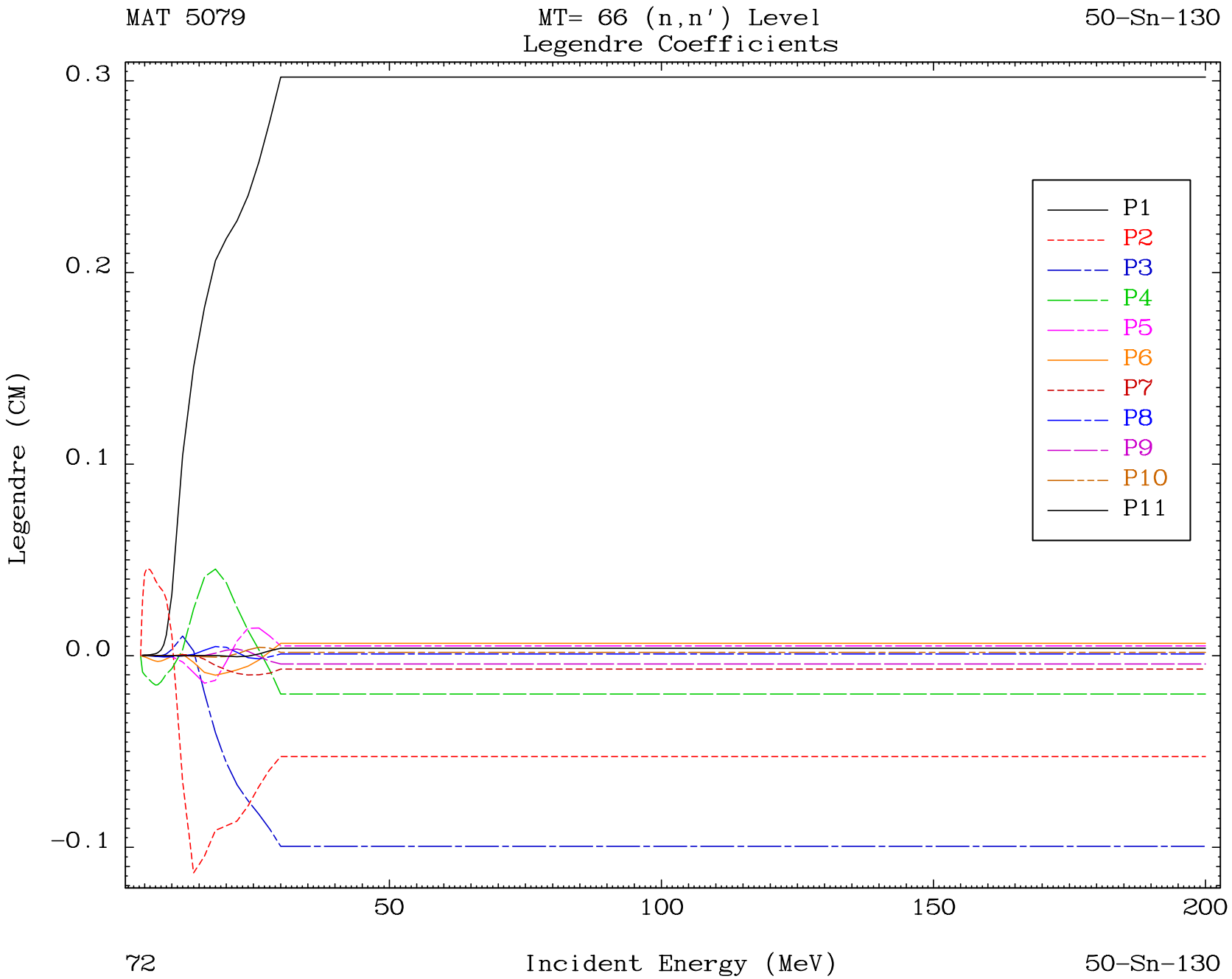

MAT 5079
MT= 64 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
67
Incident Energy (MeV)
50-Sn-130

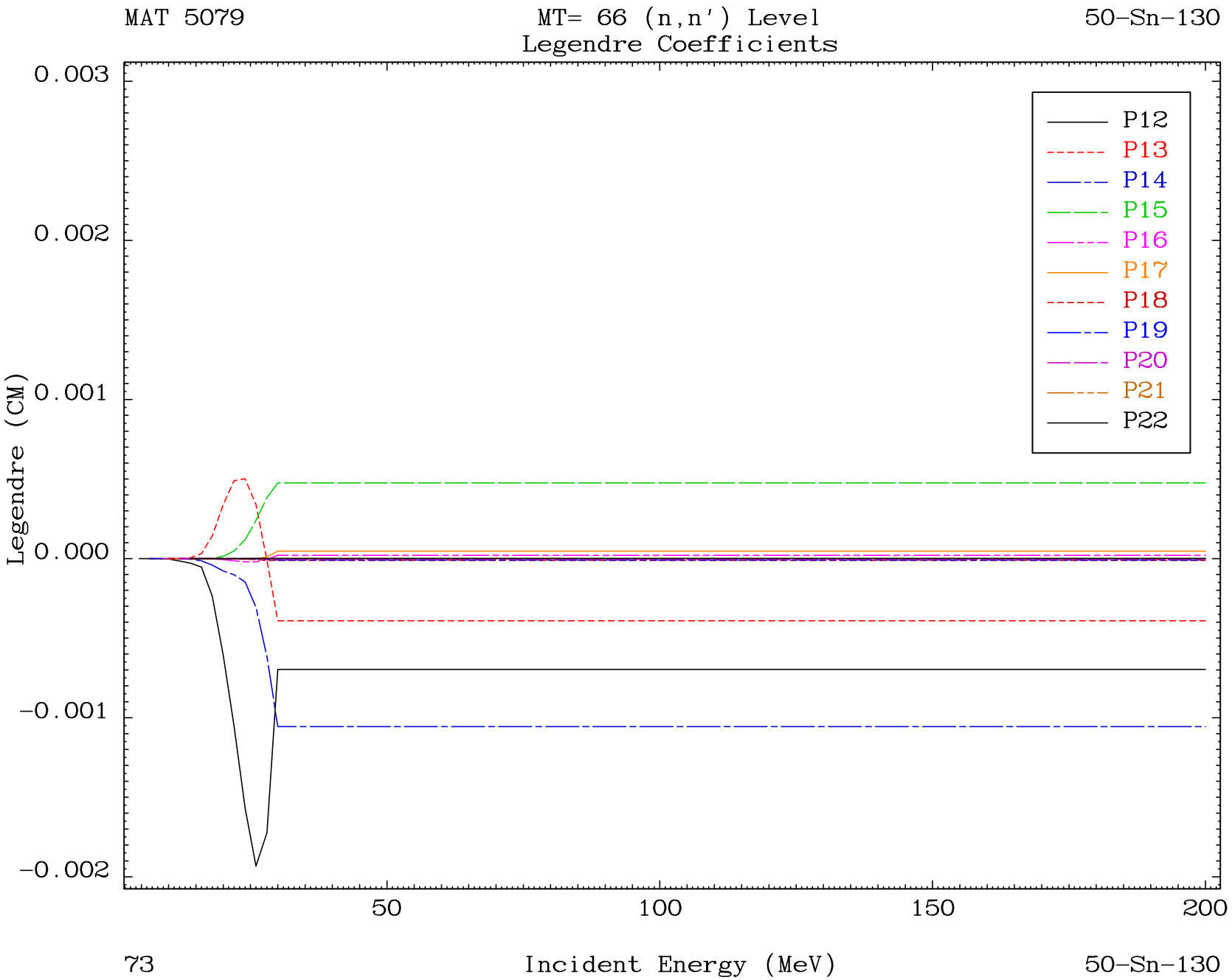

MAT 5079
MT= 64 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
68
Incident Energy (MeV)
50-Sn-130

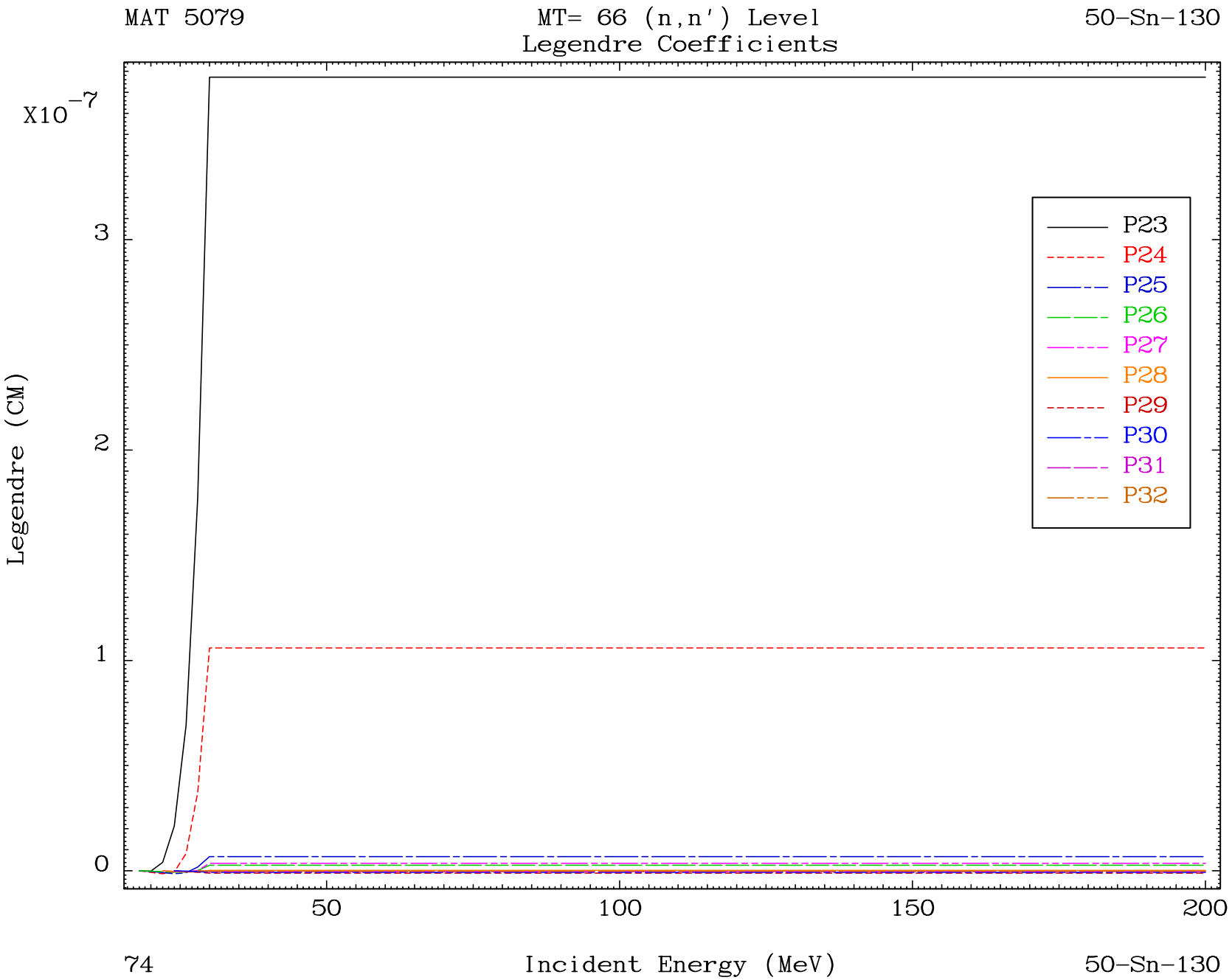

MAT 5079
MT= 65 (n,n') Level
Legendre Coefficients
50-Sn-130
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
69
Incident Energy (MeV)
50-Sn-130

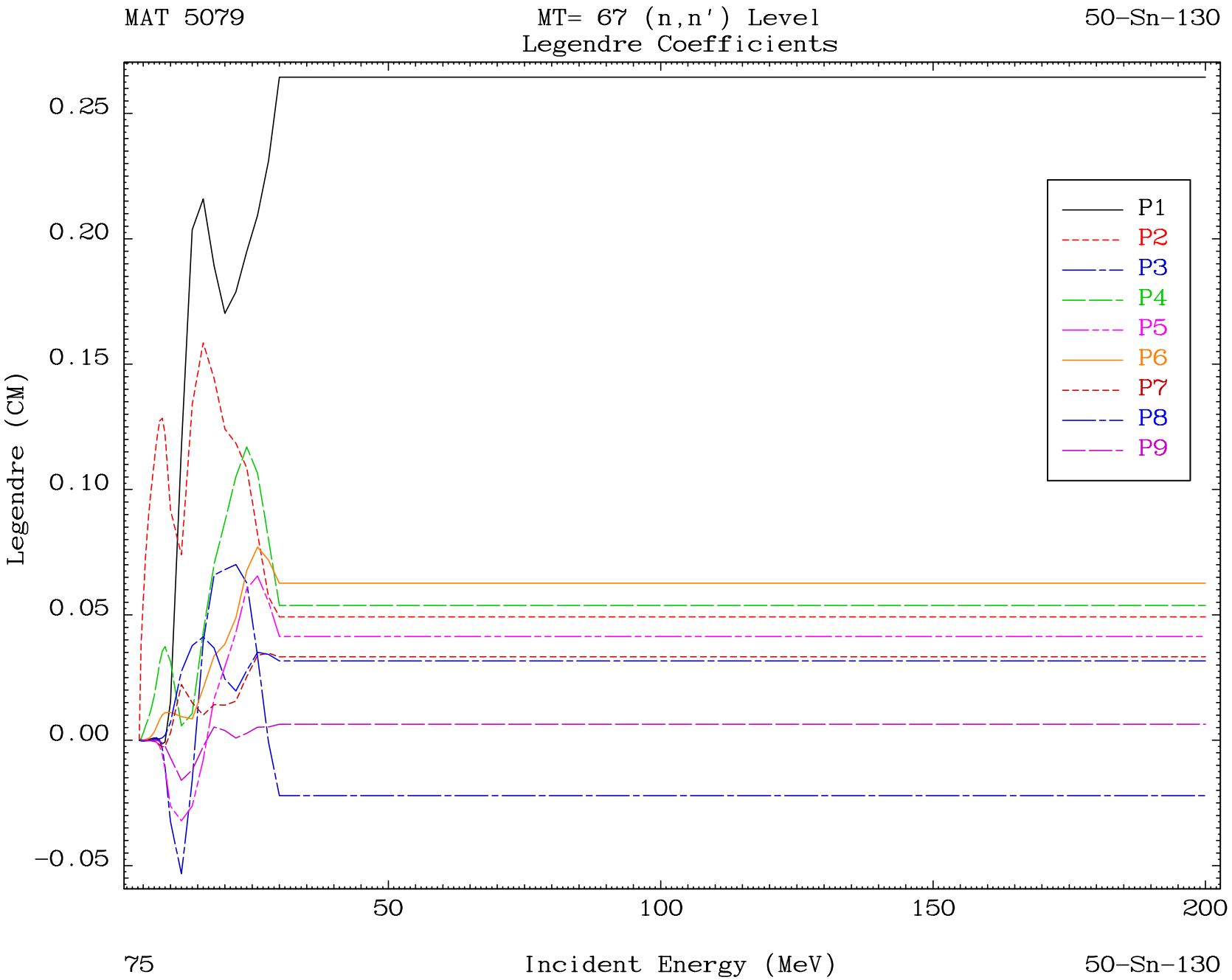

MAT 5079
MT= 65 (n,n') Level
Legendre Coefficients
50-Sn-130
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18

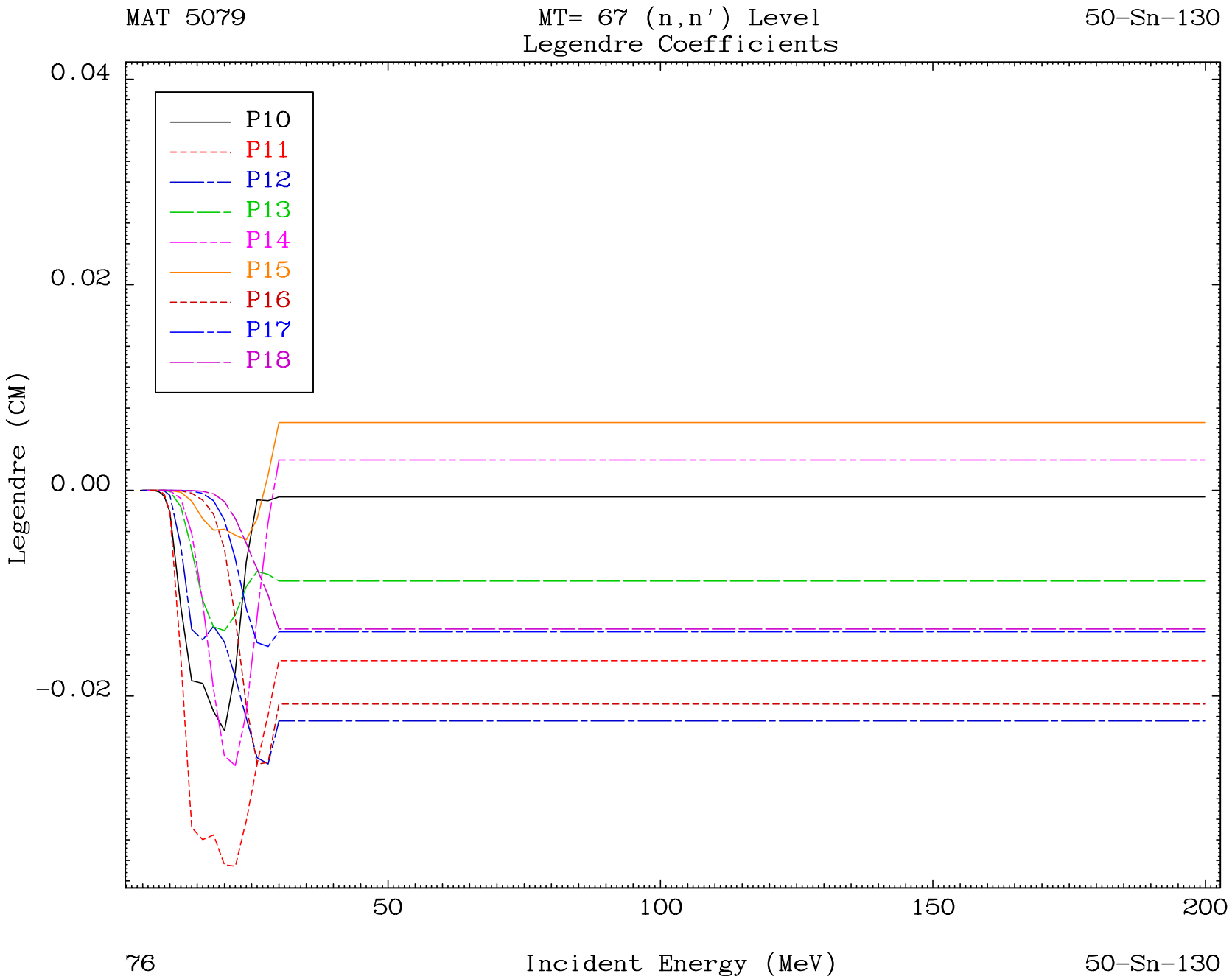

MAT 5079
MT= 65 (n,n') Level
Legendre Coefficients
50-Sn-130
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
71
Incident Energy (MeV)
50-Sn-130

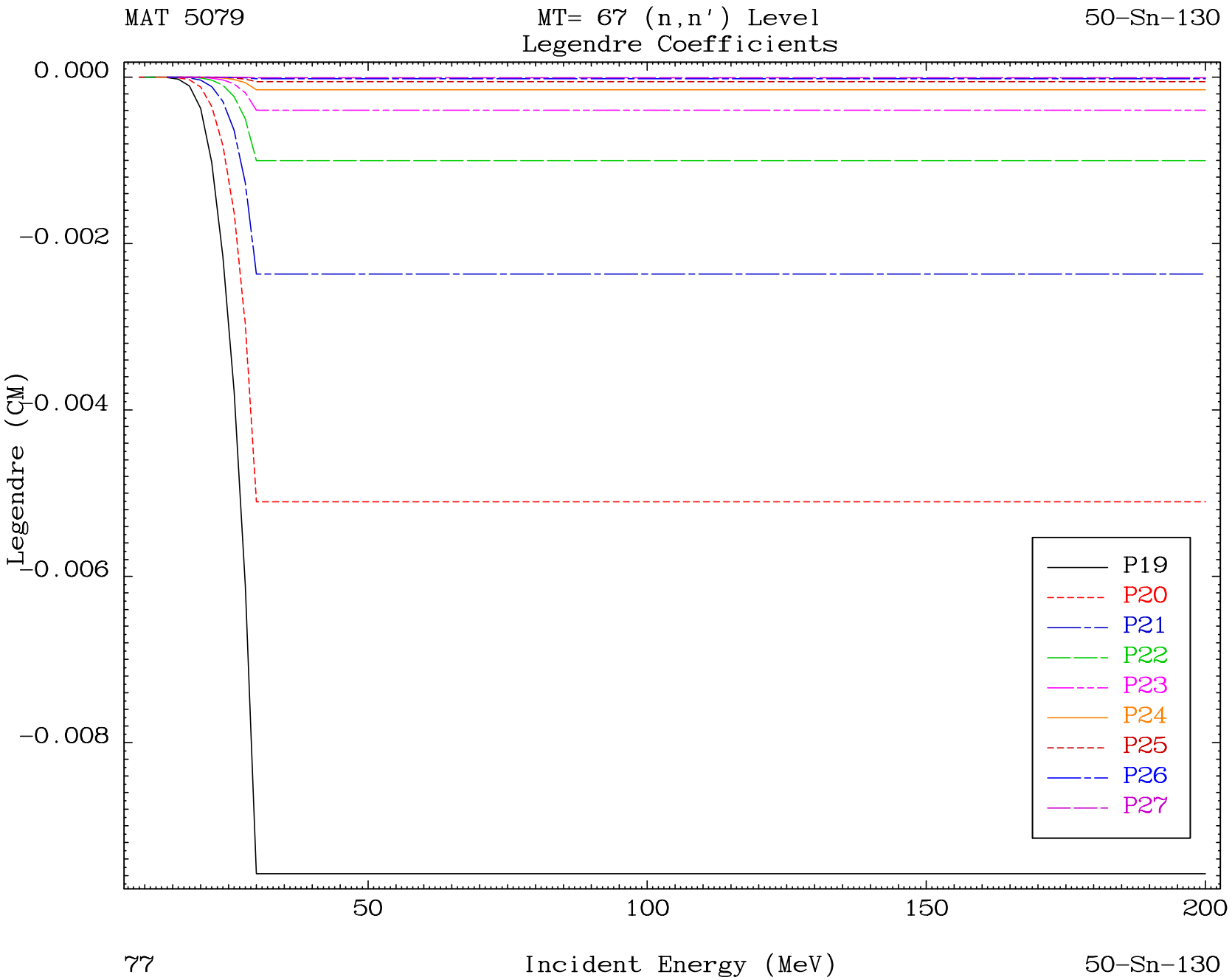

MAT 5079
MT= 66 (n,n') Level
Legendre Coefficients
50-Sn-130
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
50-Sn-130
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

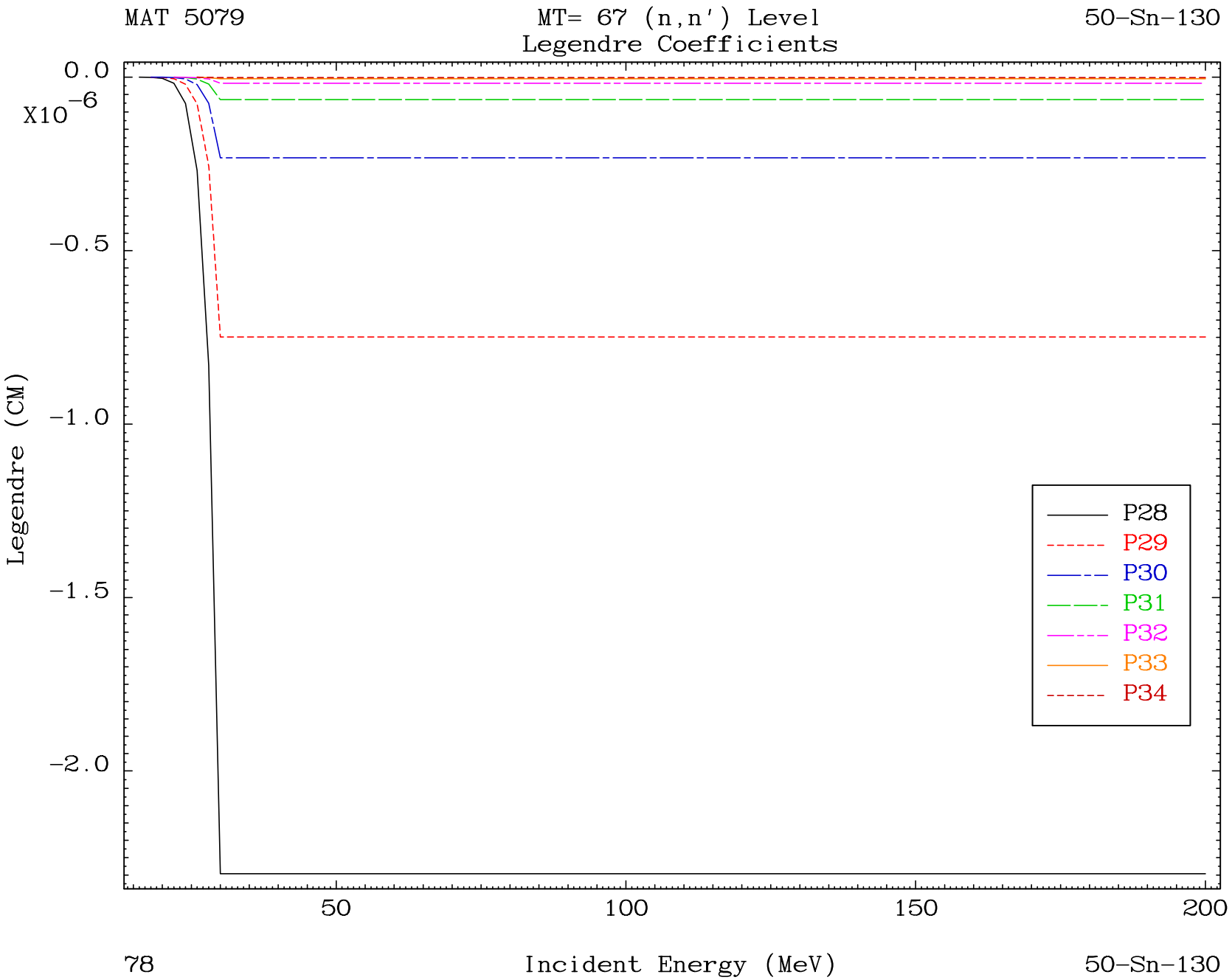

MAT 5079
MT= 66 (n,n') Level
Legendre Coefficients
50-Sn-130
0.003
0.002
0.001
0.000
-0.001
-0.002
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
50-Sn-130
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

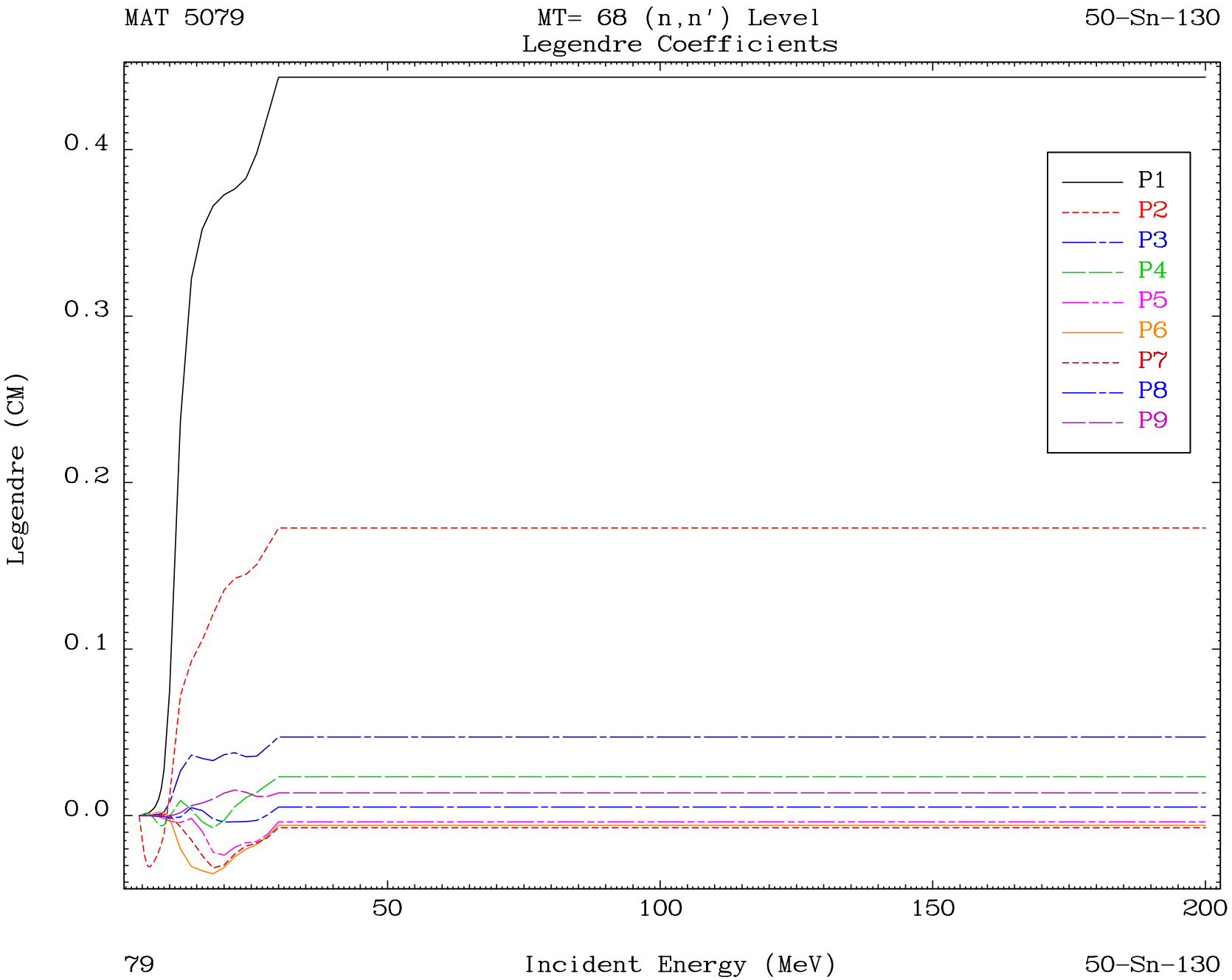

MAT 5079
MT= 66 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-7
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
74
Incident Energy (MeV)
50-Sn-130

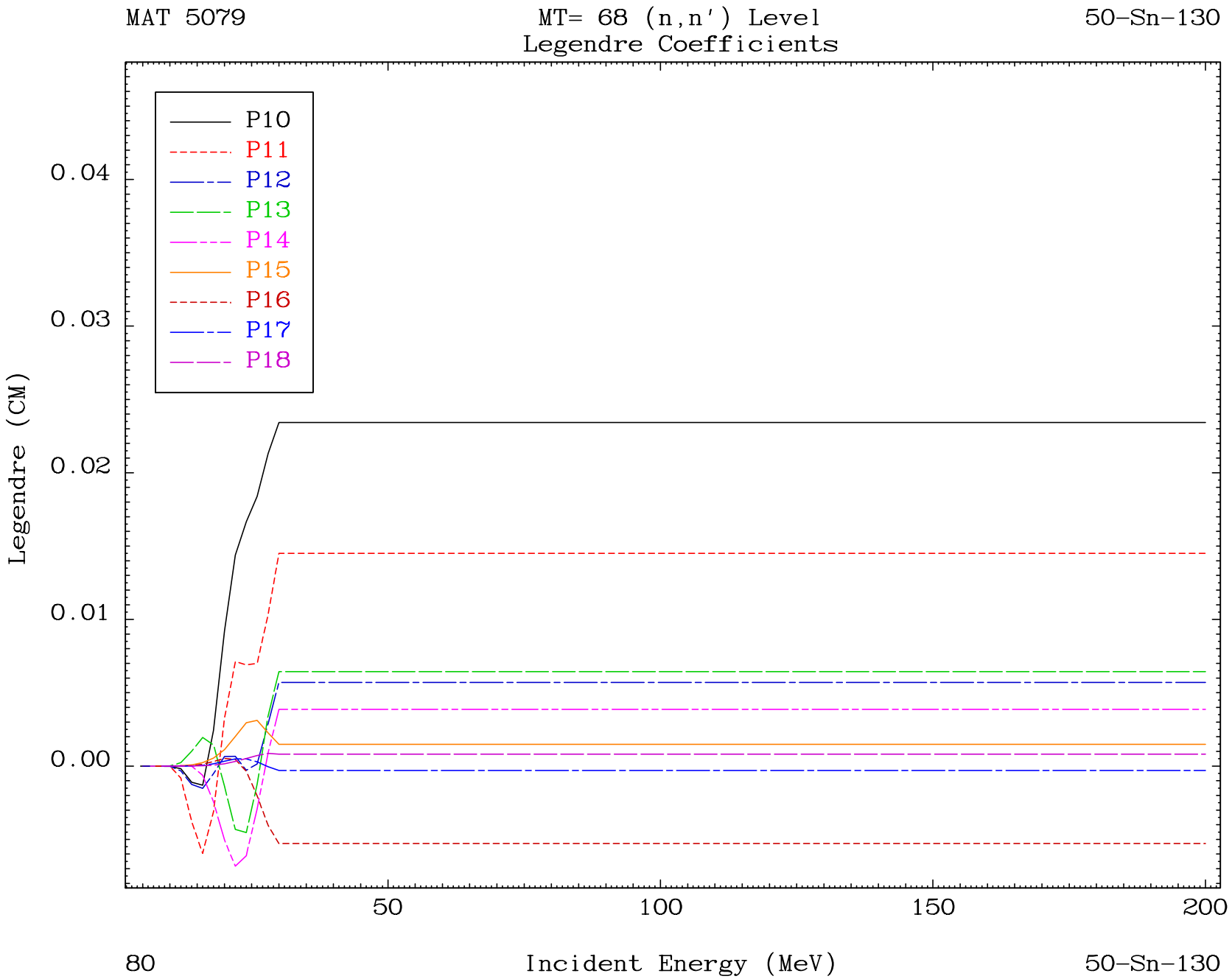

MAT 5079
MT= 67 (n,n') Level
Legendre Coefficients
50-Sn-130
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
75
Incident Energy (MeV)
50-Sn-130

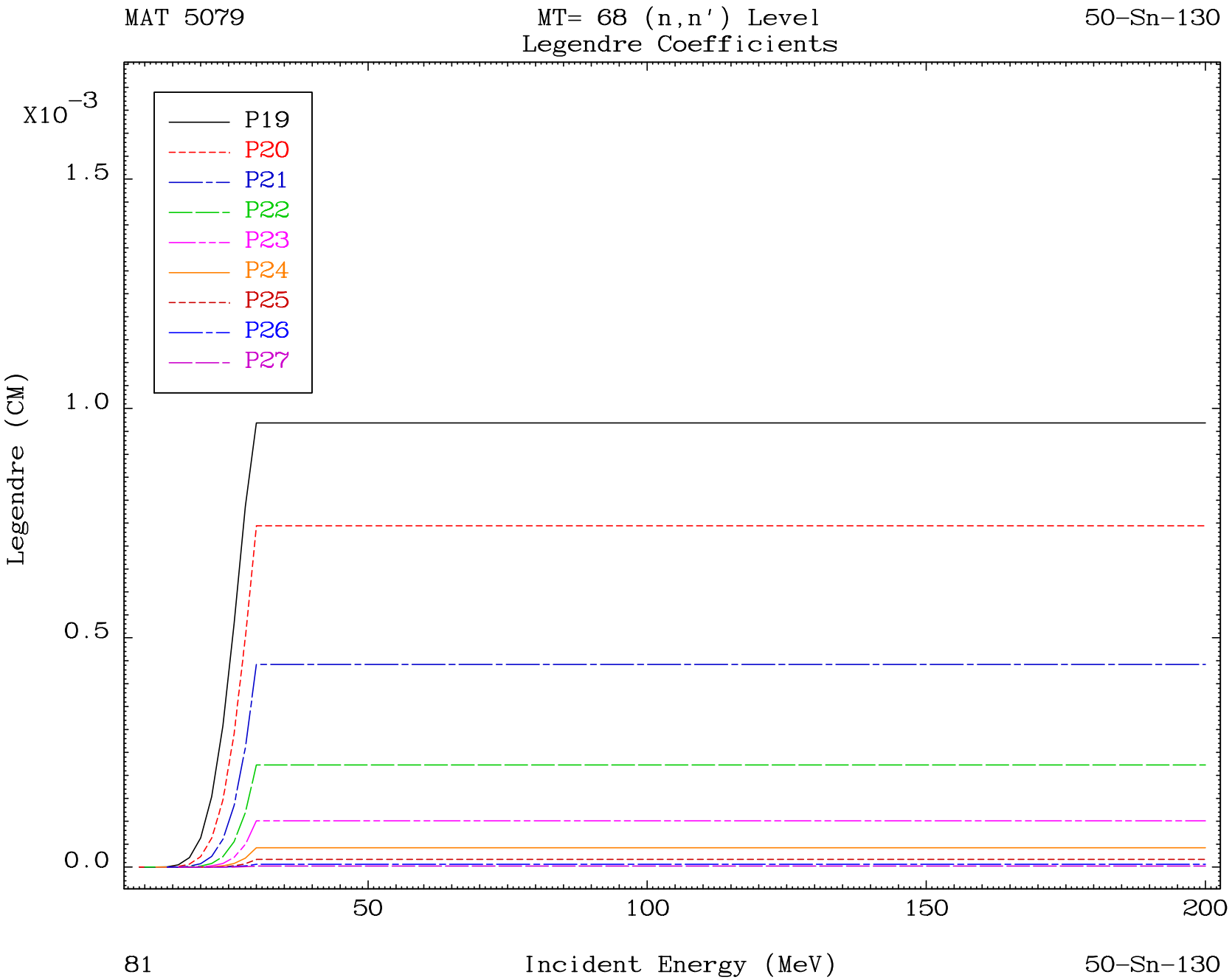

MAT 5079
MT= 67 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
50-Sn-130

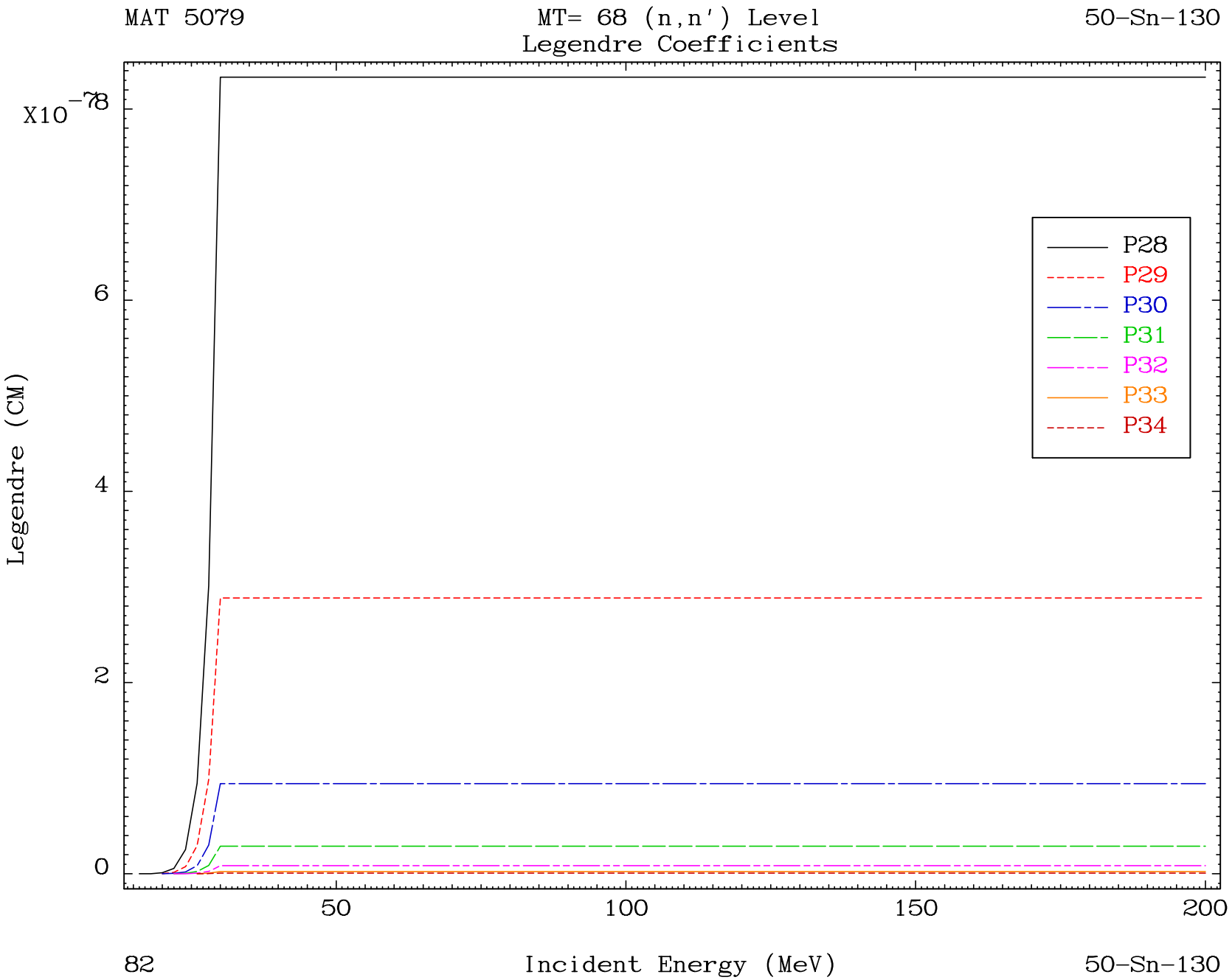

MAT 5079
MT= 67 (n,n') Level
Legendre Coefficients
50-Sn-130
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
50-Sn-130
P19
P20
P21
P22
P23
P24
P25
P26
P27

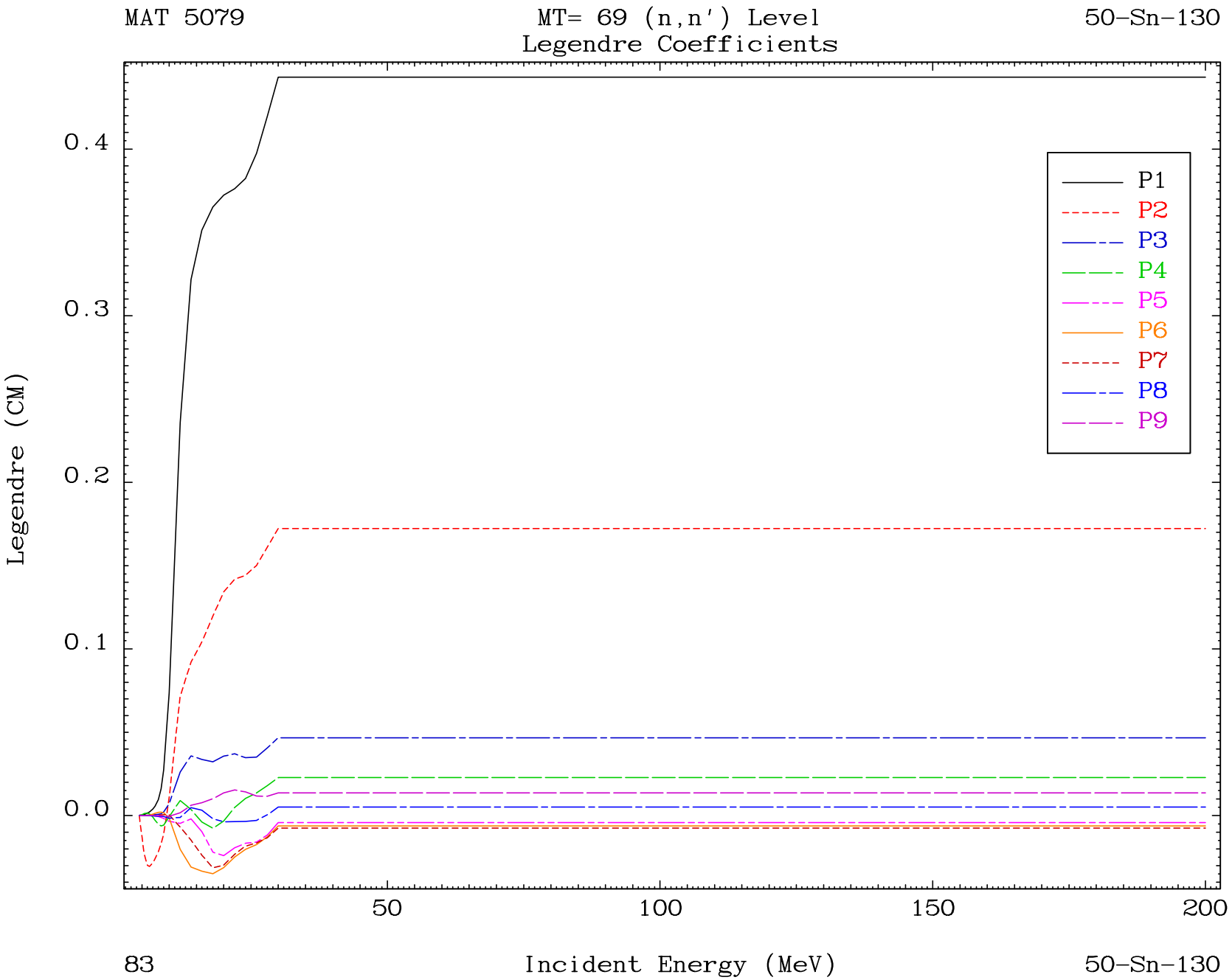

MAT 5079
MT= 67 (n,n') Level
Legendre Coefficients
50-Sn-130
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
50-Sn-130
P28
P29
P30
P31
P32
P33
P34

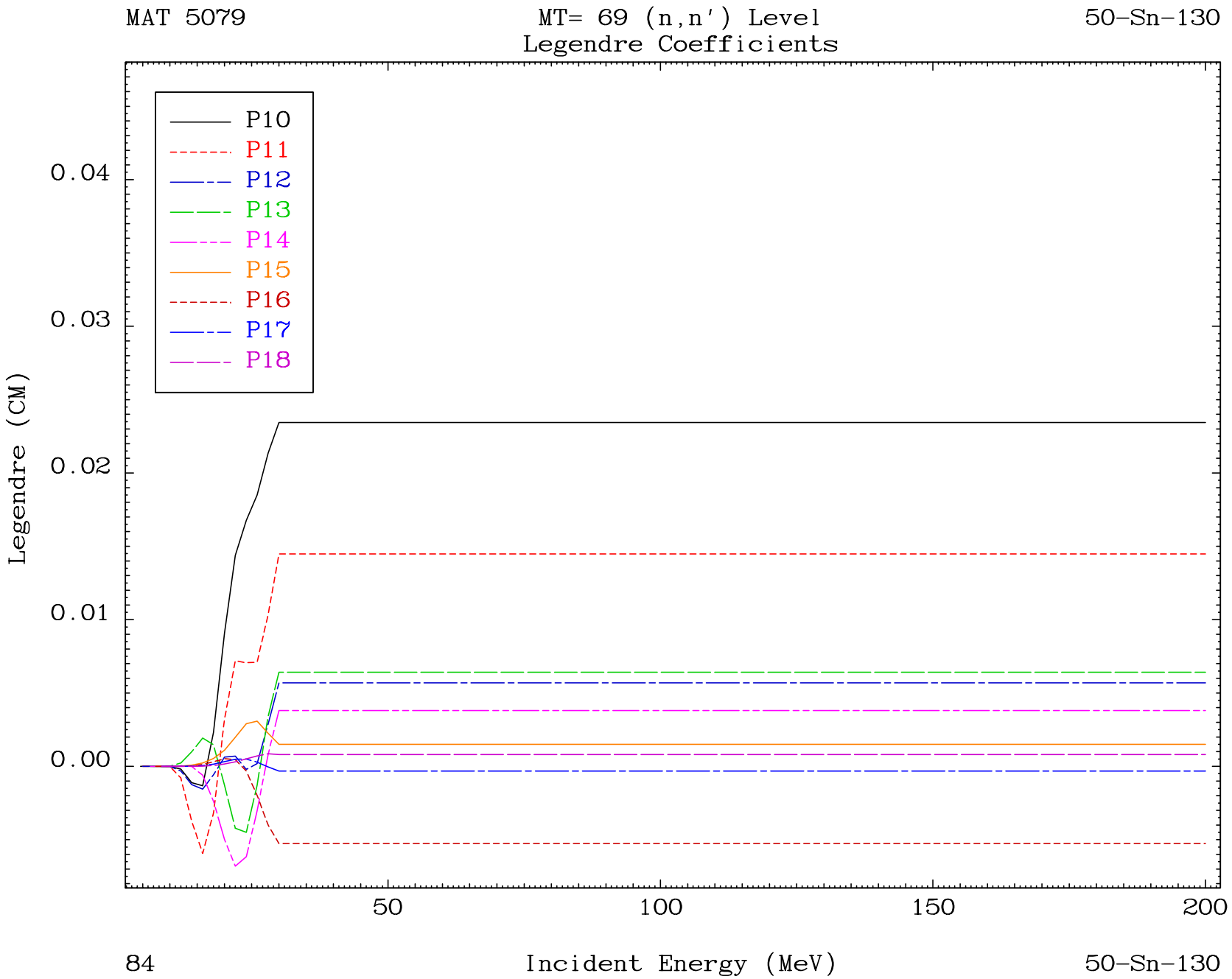

MAT 5079
MT= 68 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
79
Incident Energy (MeV)
50-Sn-130

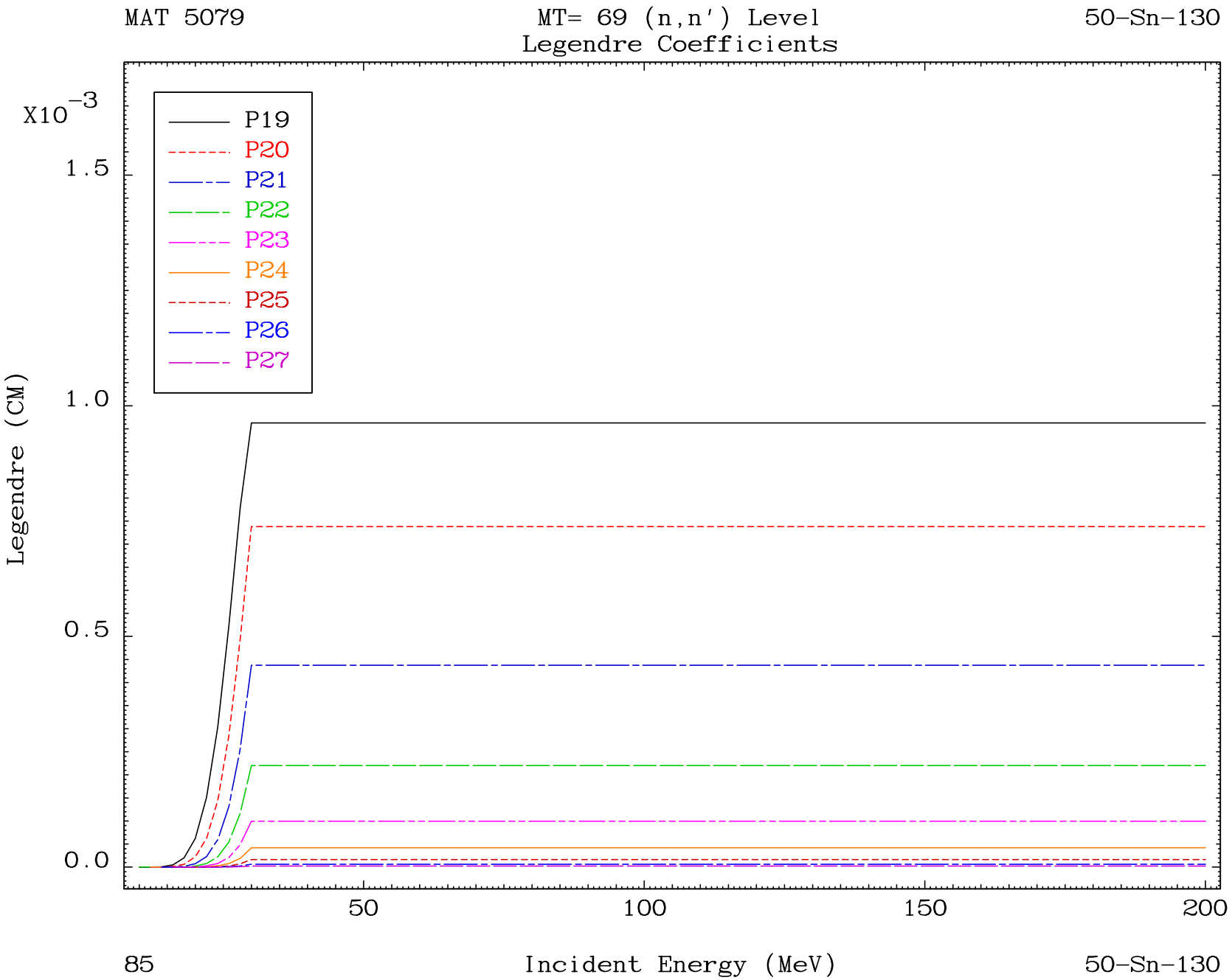

MAT 5079
MT= 68 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
50-Sn-130

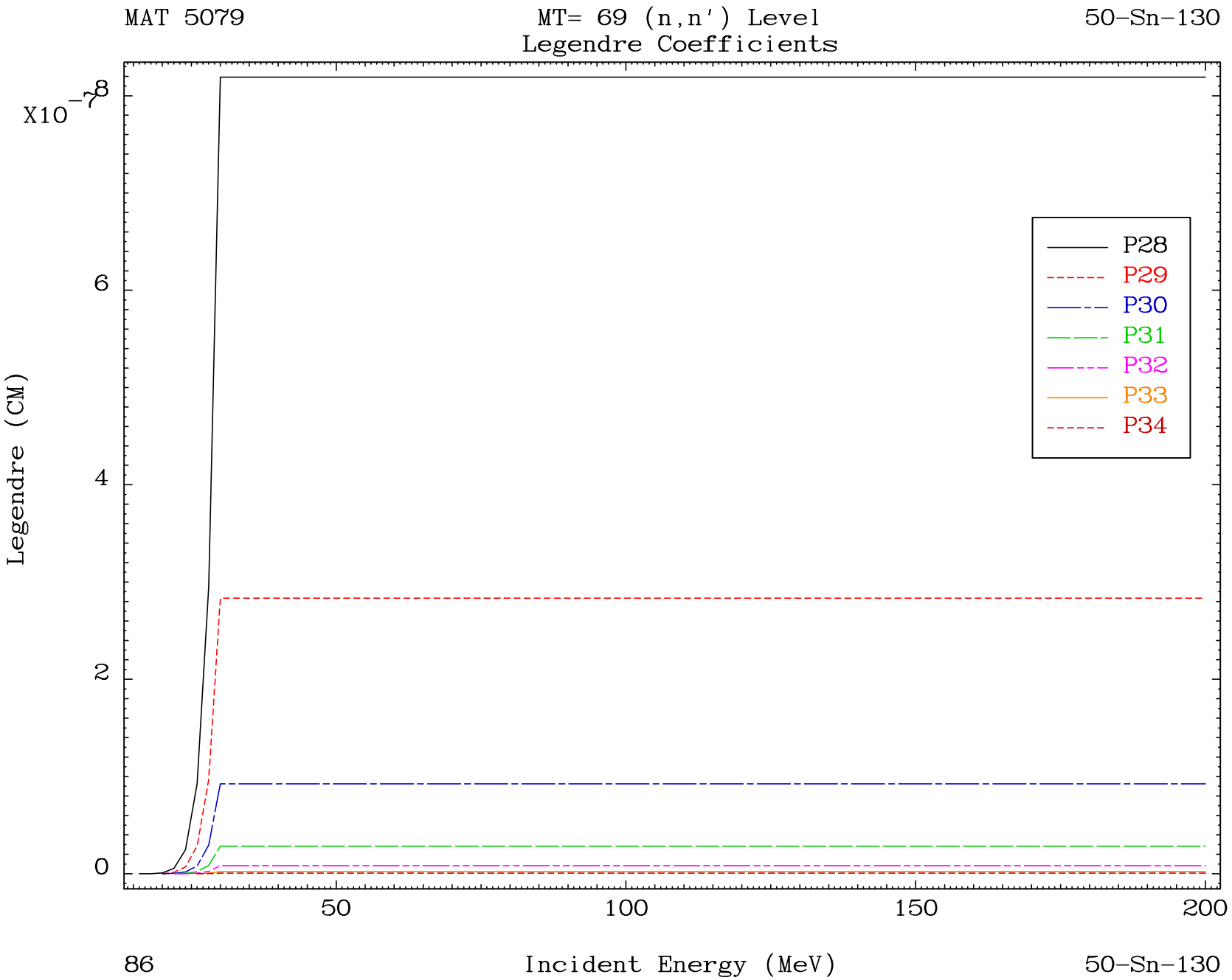

MAT 5079
MT= 68 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
81
Incident Energy (MeV)
50-Sn-130

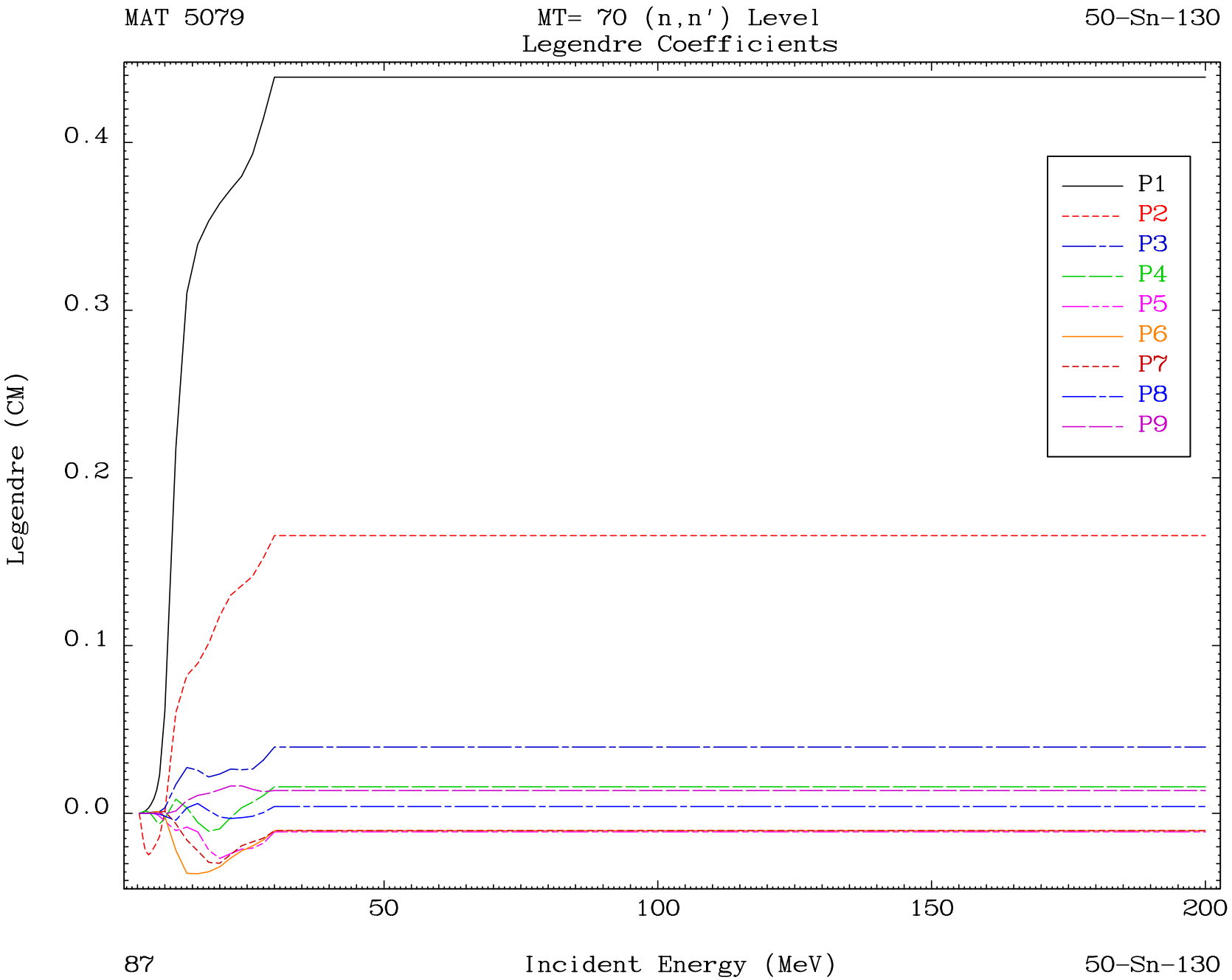

MAT 5079
MT= 68 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
82
Incident Energy (MeV)
50-Sn-130

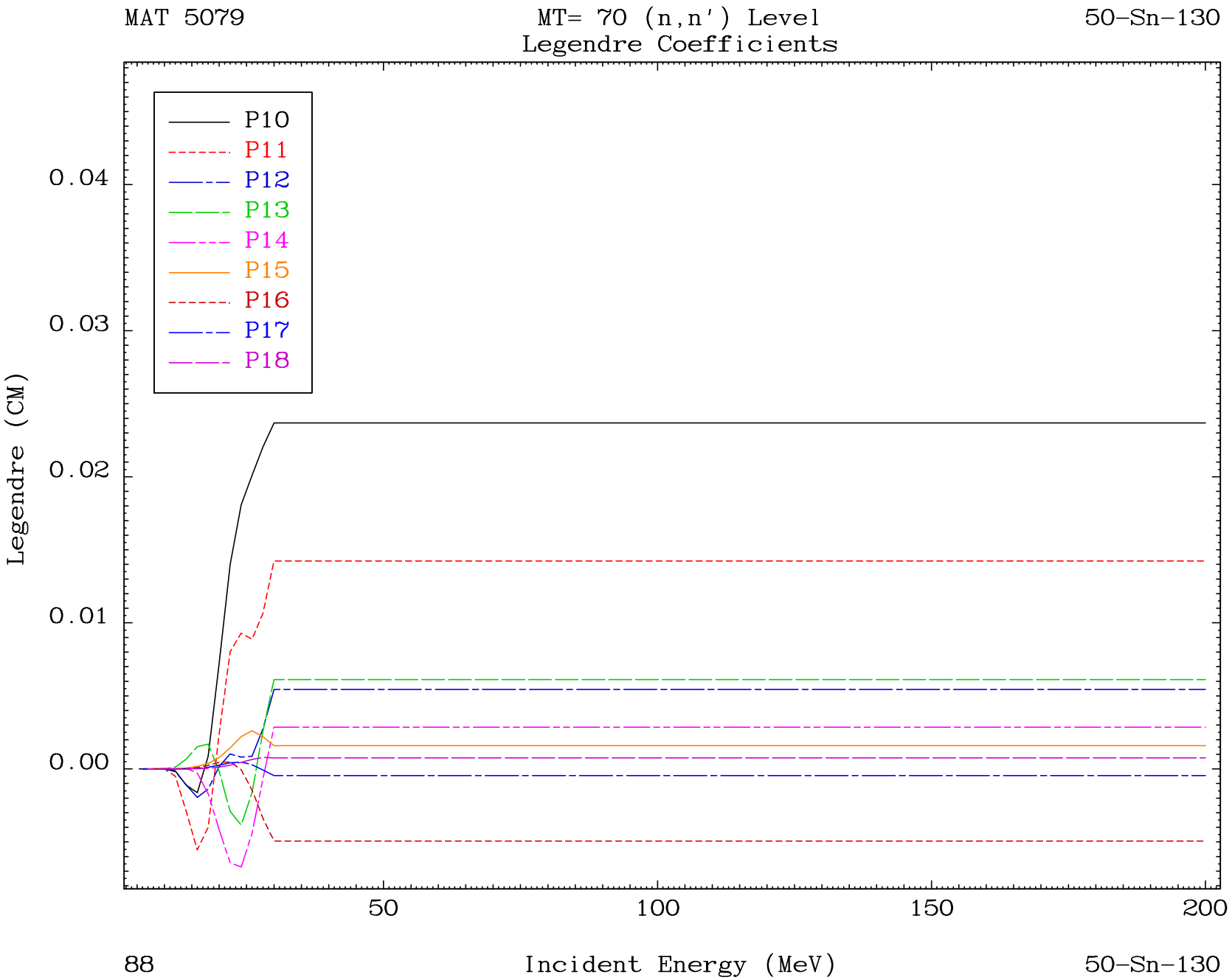

MAT 5079
MT= 69 (n,n') Level
Legendre Coefficients
50-Sn-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
83
Incident Energy (MeV)
50-Sn-130

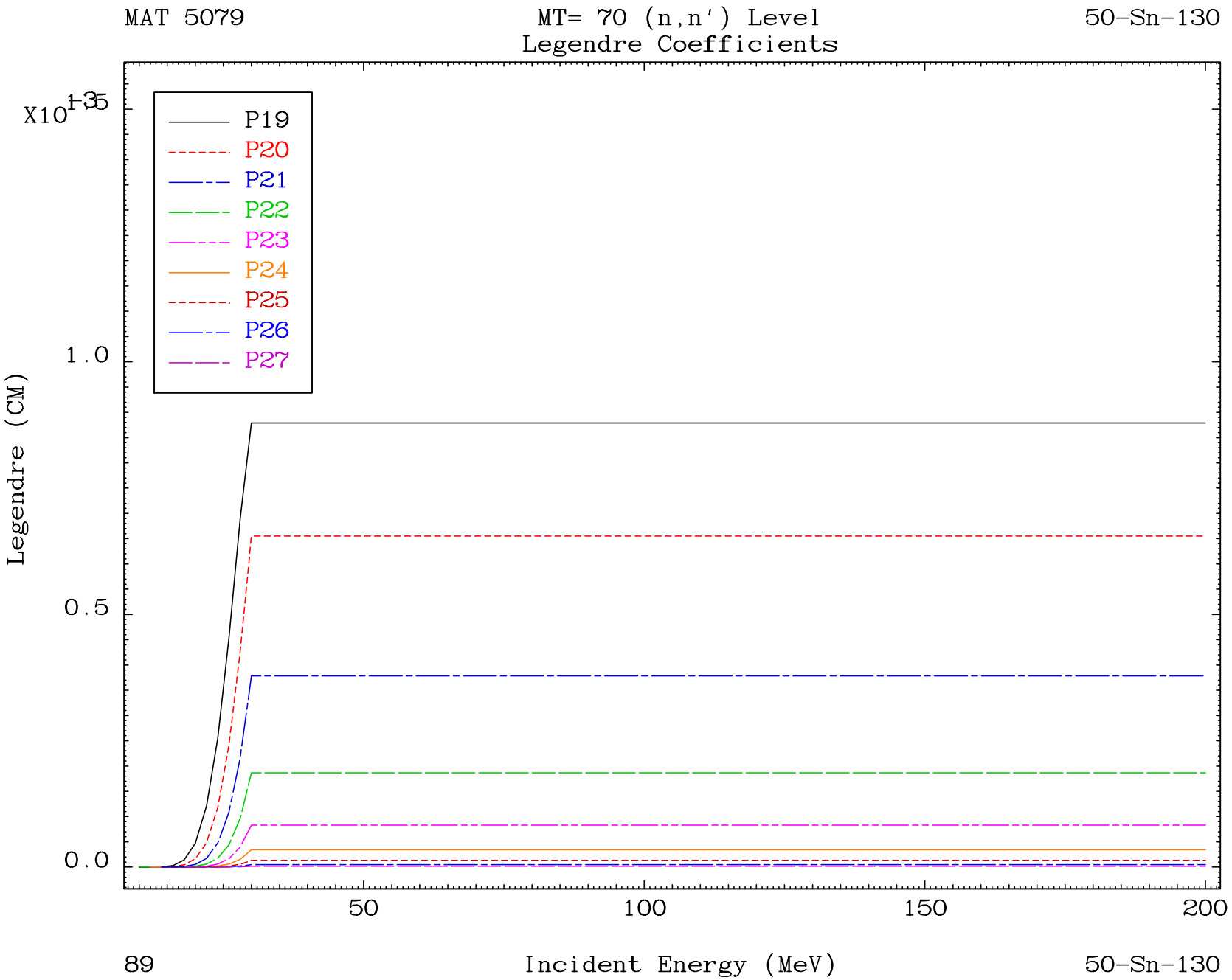

MAT 5079
MT= 69 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
50-Sn-130

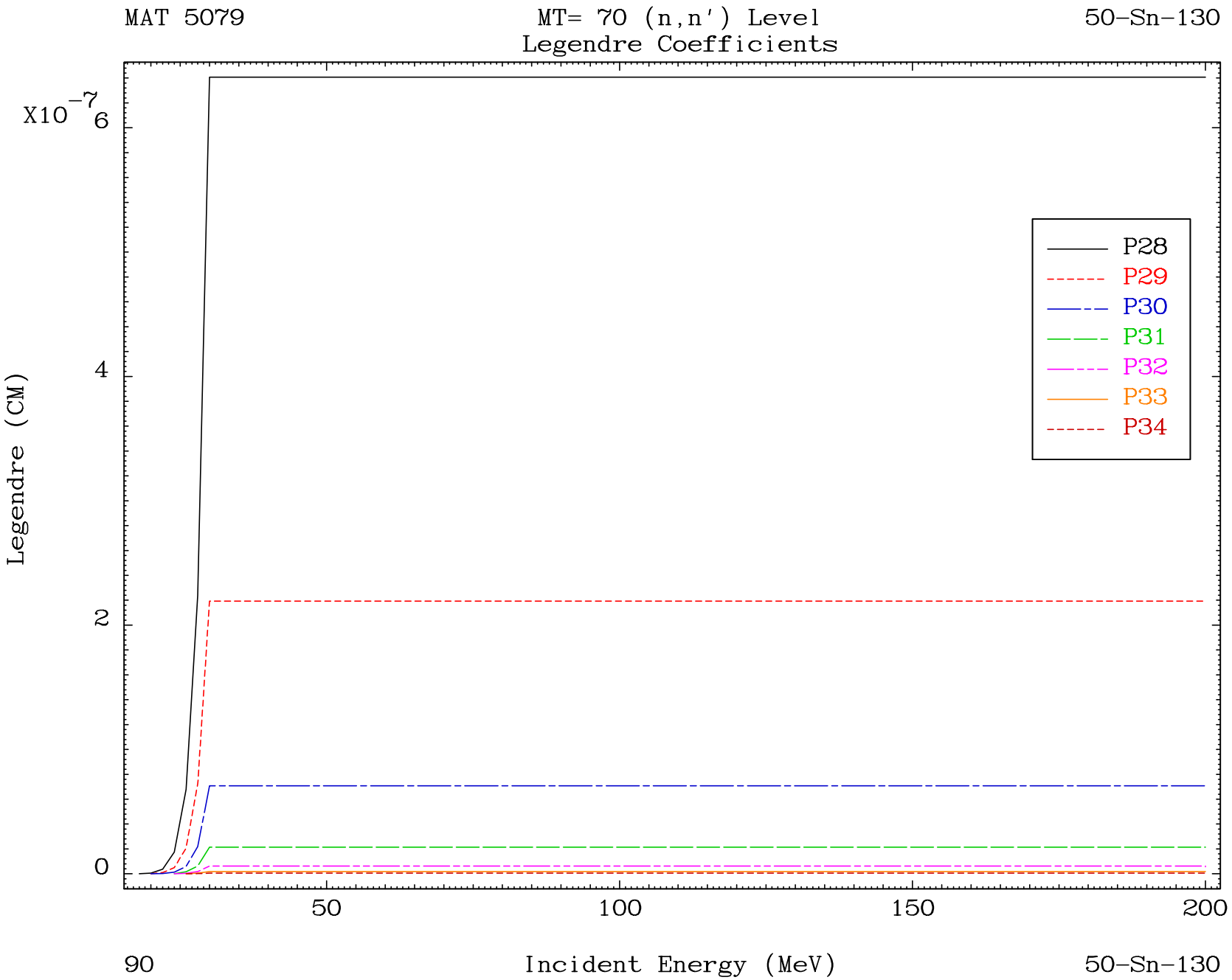

MAT 5079
MT= 69 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
85
Incident Energy (MeV)
50-Sn-130

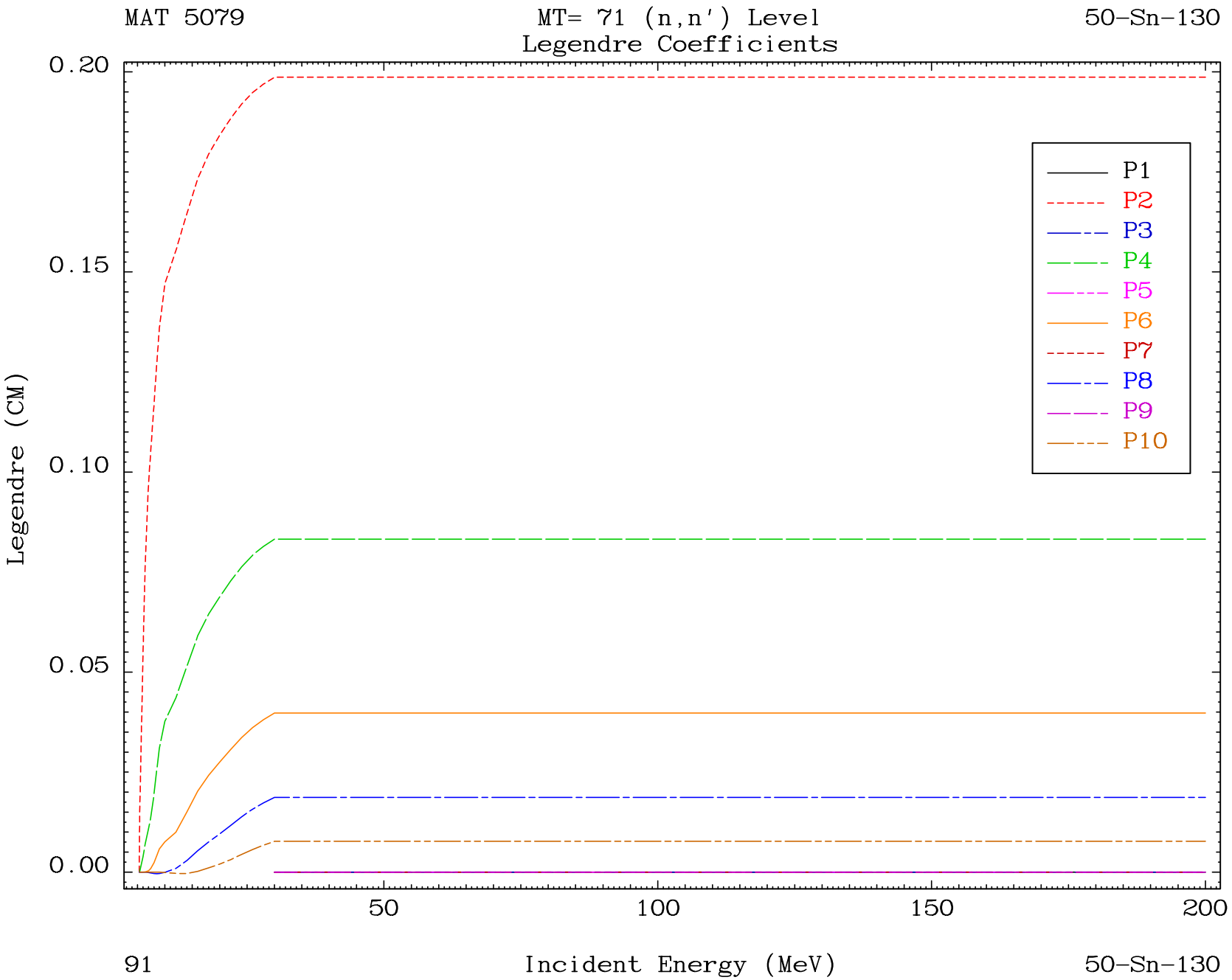

MAT 5079
MT= 69 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
86
Incident Energy (MeV)
50-Sn-130

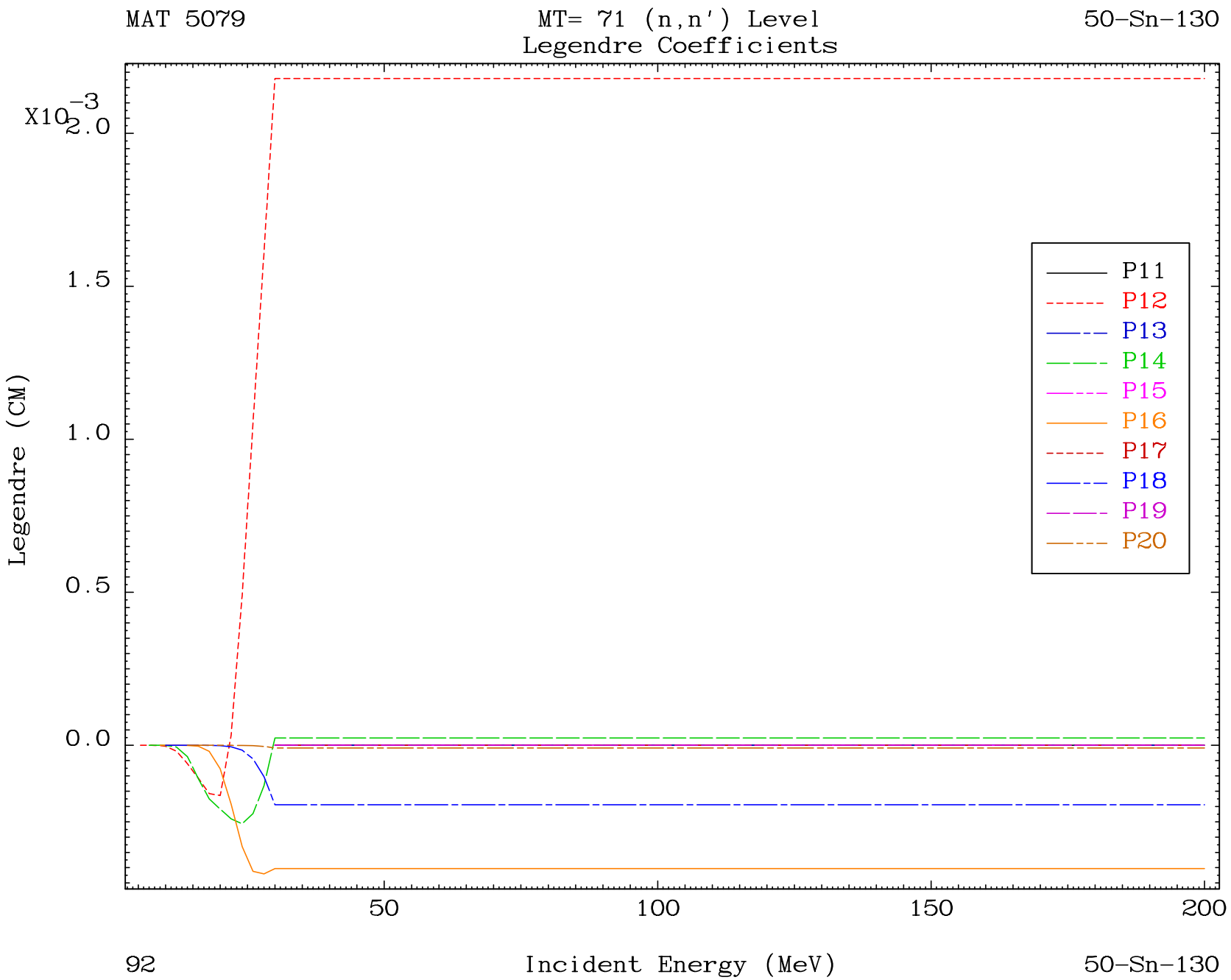

MAT 5079
MT= 70 (n,n') Level
Legendre Coefficients
50-Sn-130
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
87
Incident Energy (MeV)
50-Sn-130

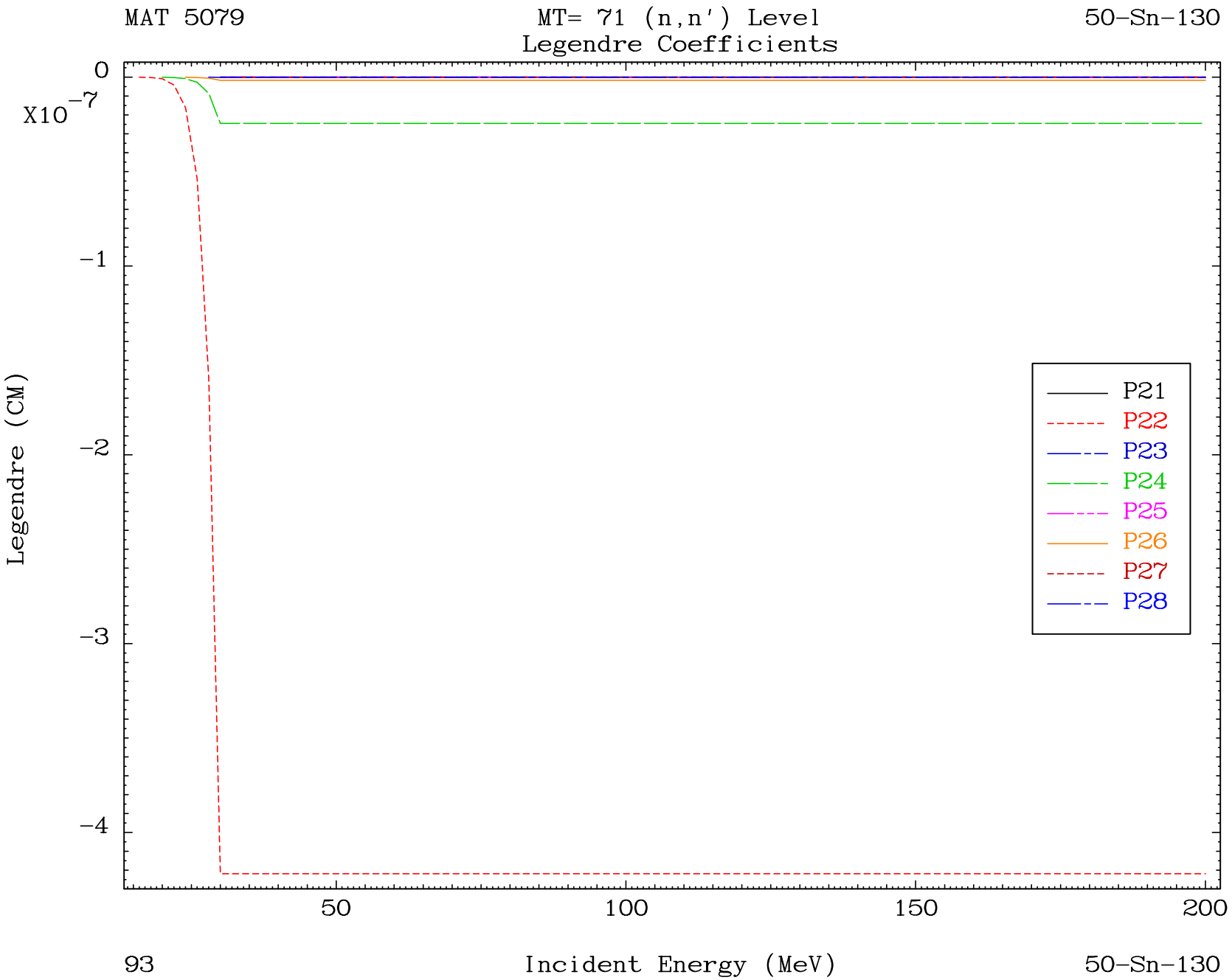

MAT 5079
MT= 70 (n,n') Level
Legendre Coefficients
50-Sn-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
88
Incident Energy (MeV)
50-Sn-130

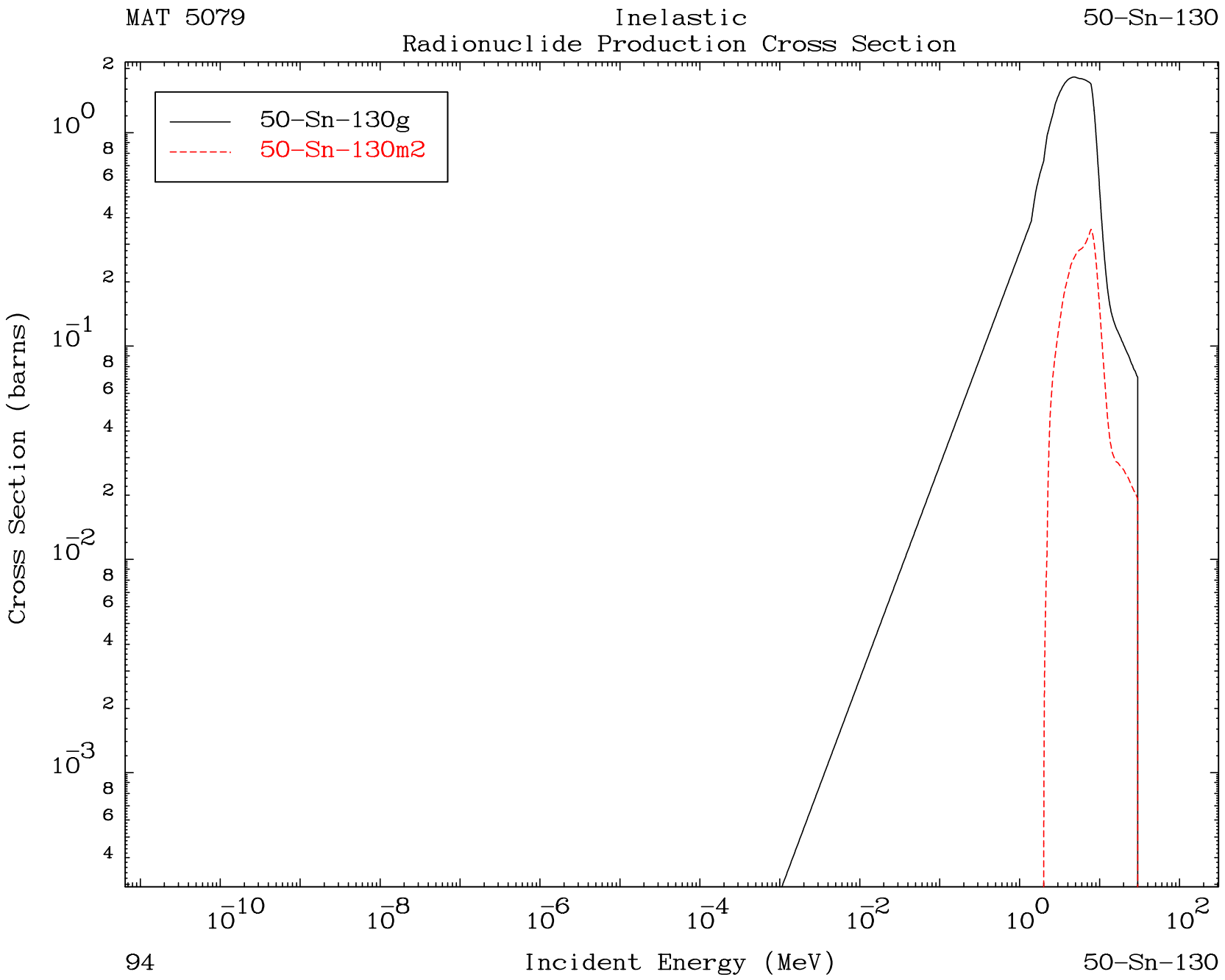

MAT 5079
MT= 70 (n,n') Level
Legendre Coefficients
50-Sn-130
X10+35
P19
P20
P21
P22
P23
P24
P25
P26
P27
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
50-Sn-130

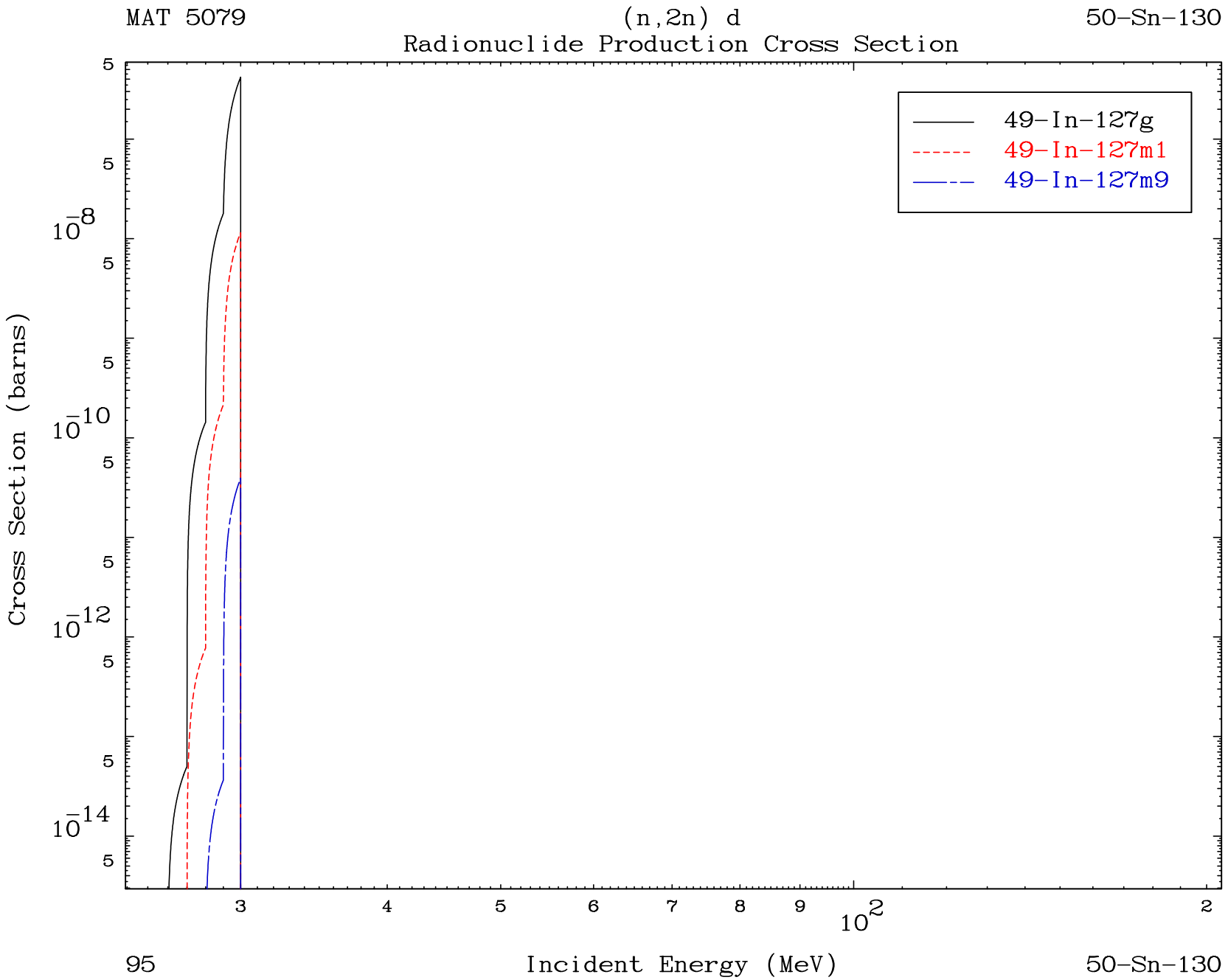

MAT 5079
MT= 70 (n,n') Level
Legendre Coefficients
50-Sn-130
X10^-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
90
Incident Energy (MeV)
50-Sn-130

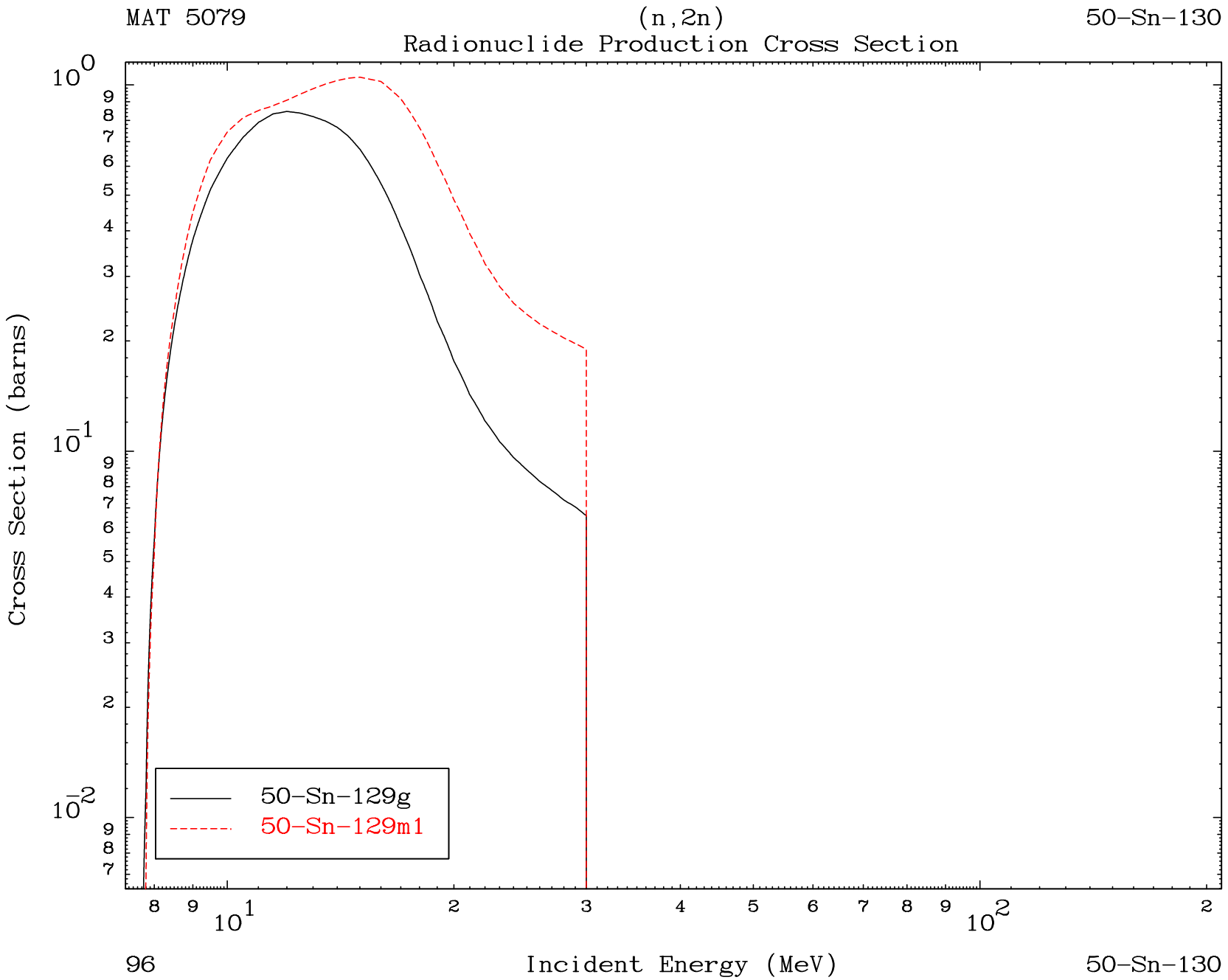

MAT 5079
MT= 71 (n,n') Level
Legendre Coefficients
50-Sn-130
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
91
Incident Energy (MeV)
50-Sn-130

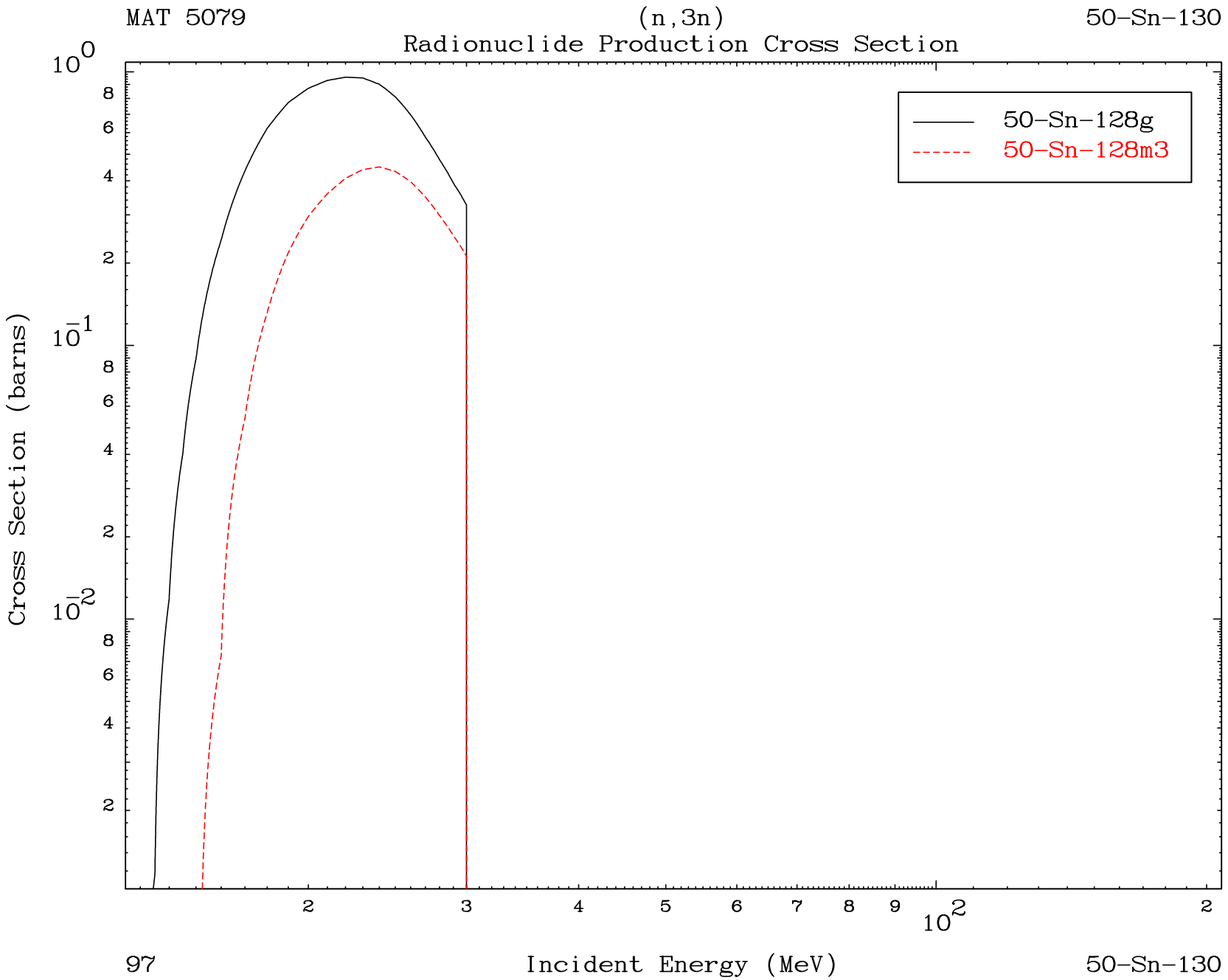

MAT 5079
MT= 71 (n,n') Level
Legendre Coefficients
50-Sn-130
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
92
Incident Energy (MeV)
50-Sn-130

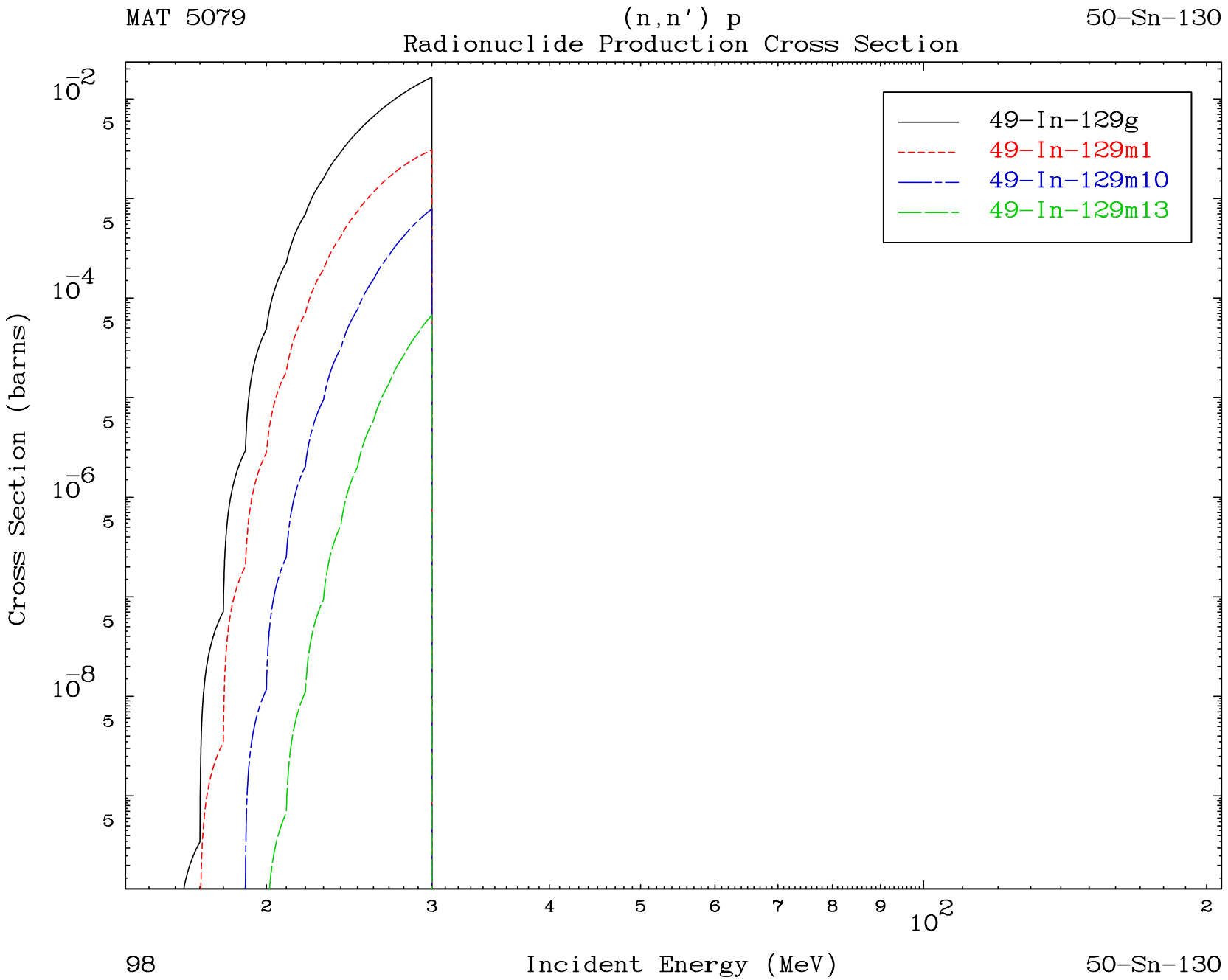

MAT 5079
MT= 71 (n,n') Level
Legendre Coefficients
50-Sn-130
0
X10-7
-1
-2
-3
-4
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
93
Incident Energy (MeV)
50-Sn-130

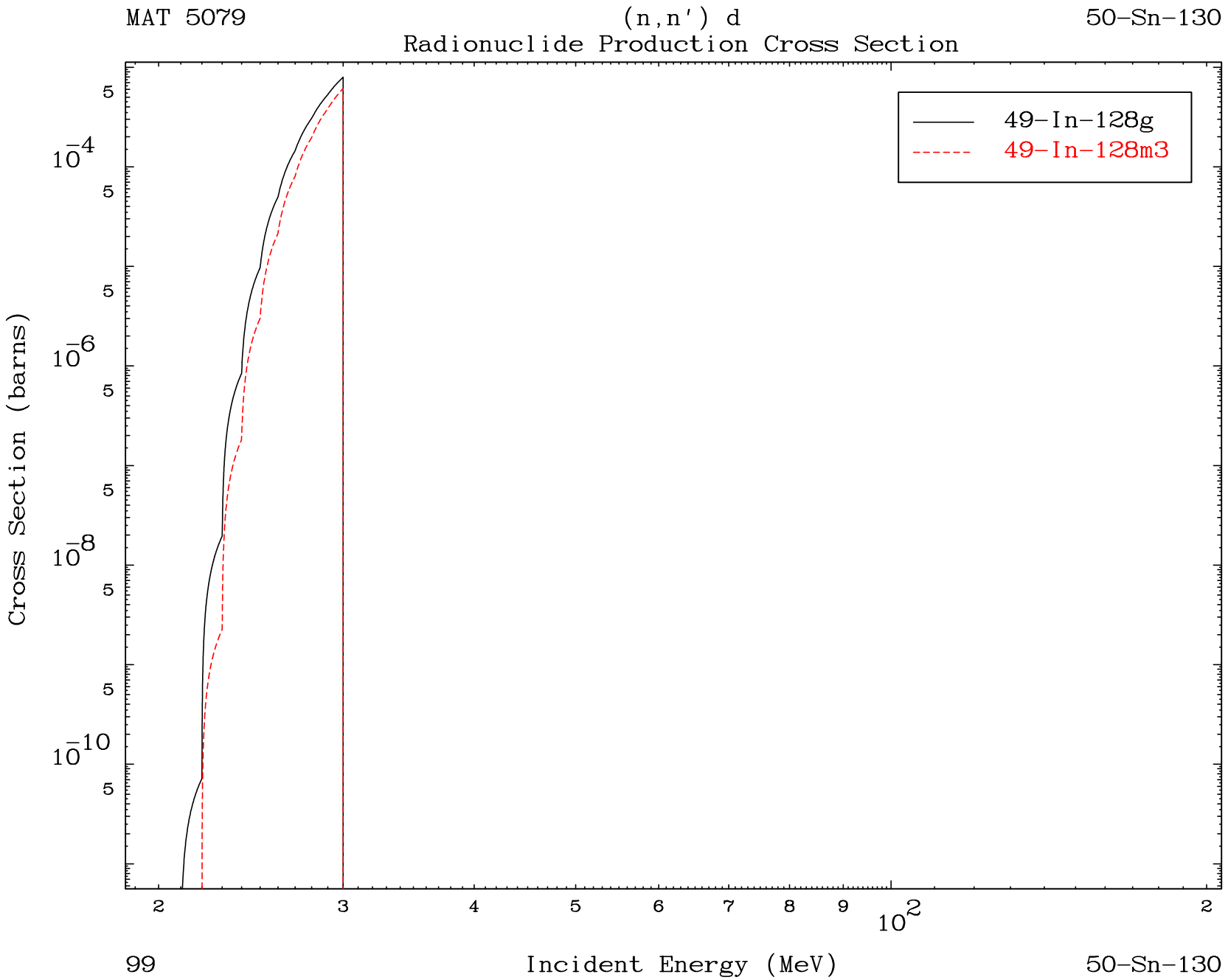

MAT 5079
Inelastic
50-Sn-130
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
Incident Energy (MeV)
94
50-Sn-130

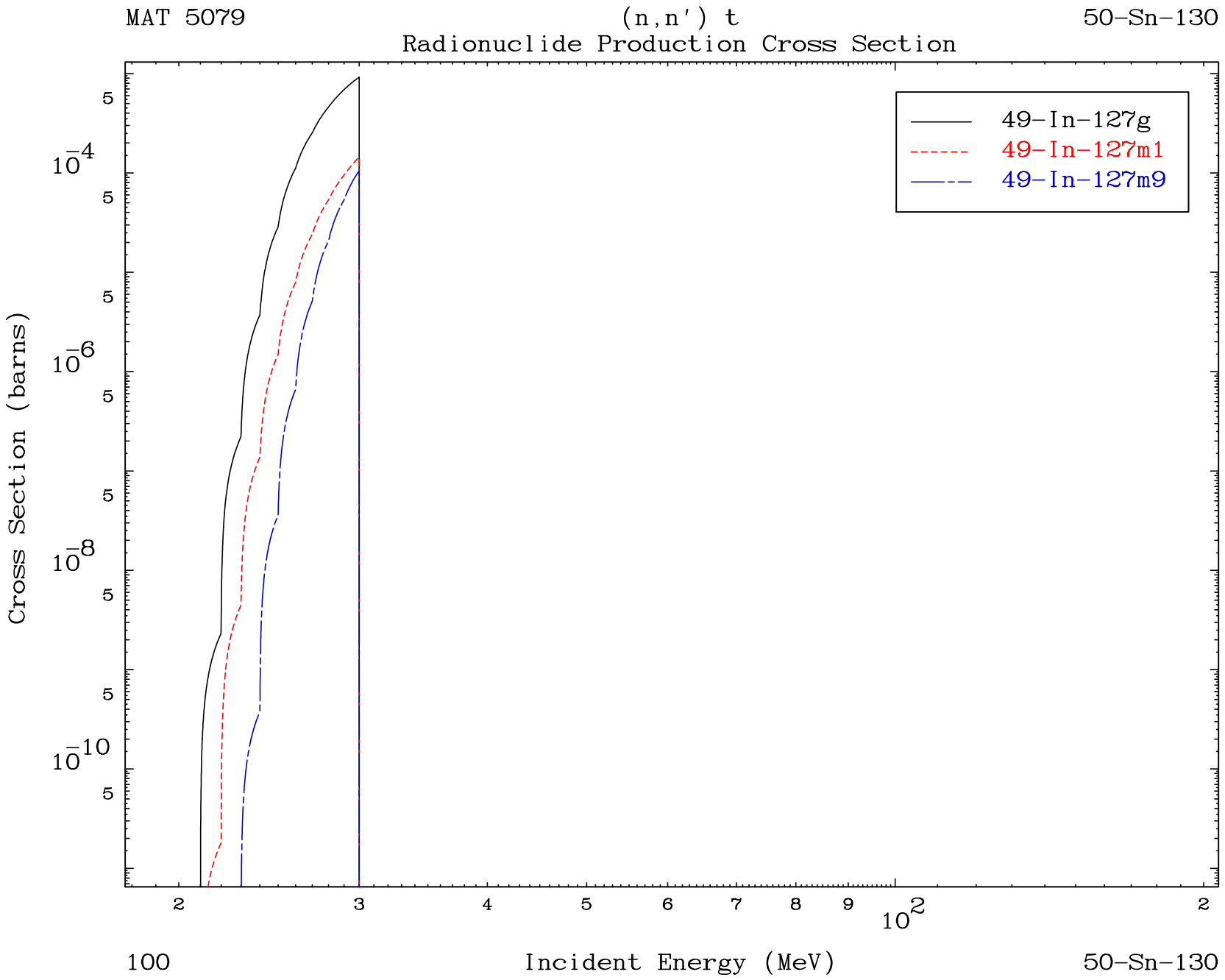

MAT 5079
(n,2n) d
50-Sn-130
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
Incident Energy (MeV)
95
50-Sn-130

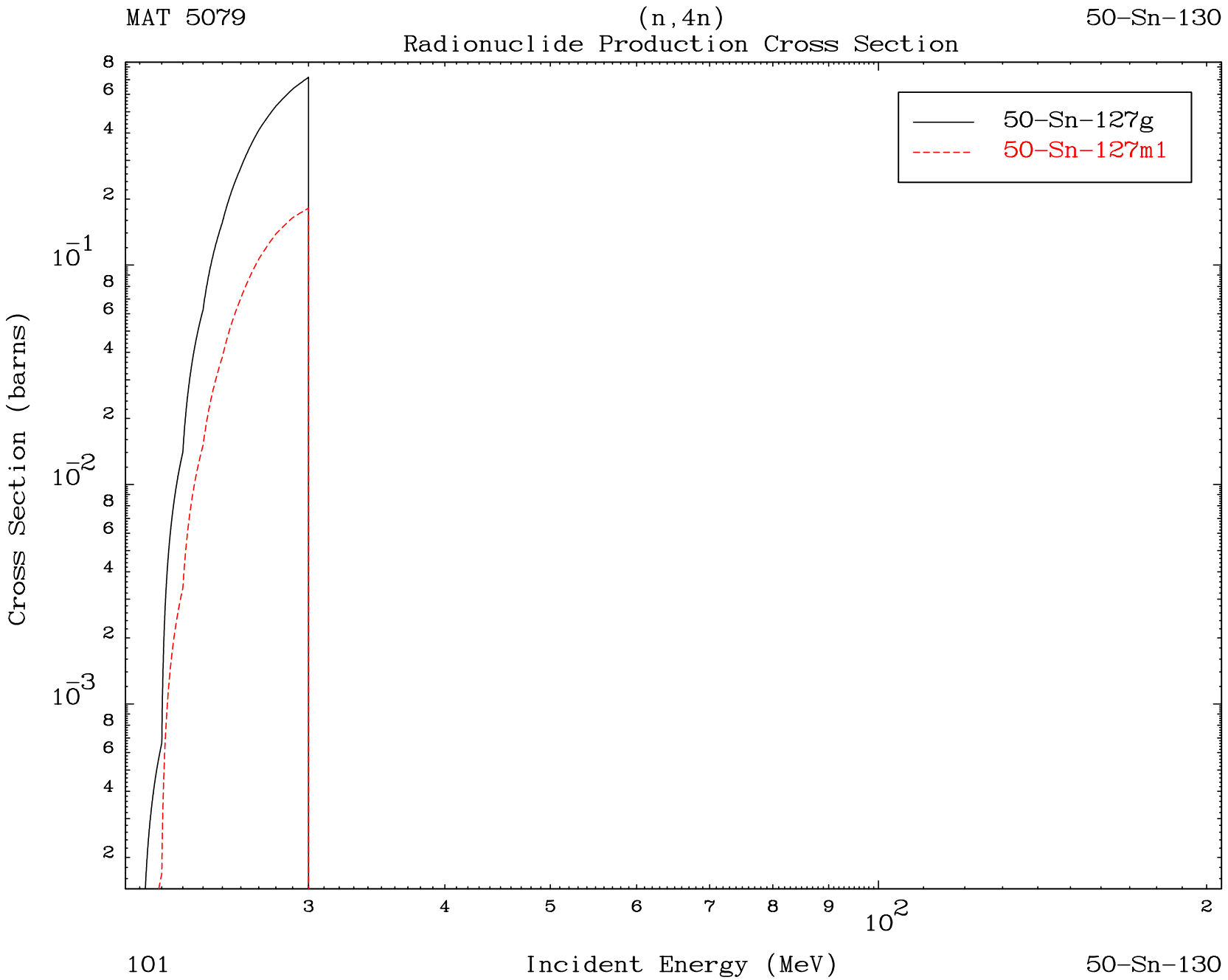

MAT 5079
(n,2n)
50-Sn-130
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
50-Sn-129g
50-Sn-129m1
96
50-Sn-130

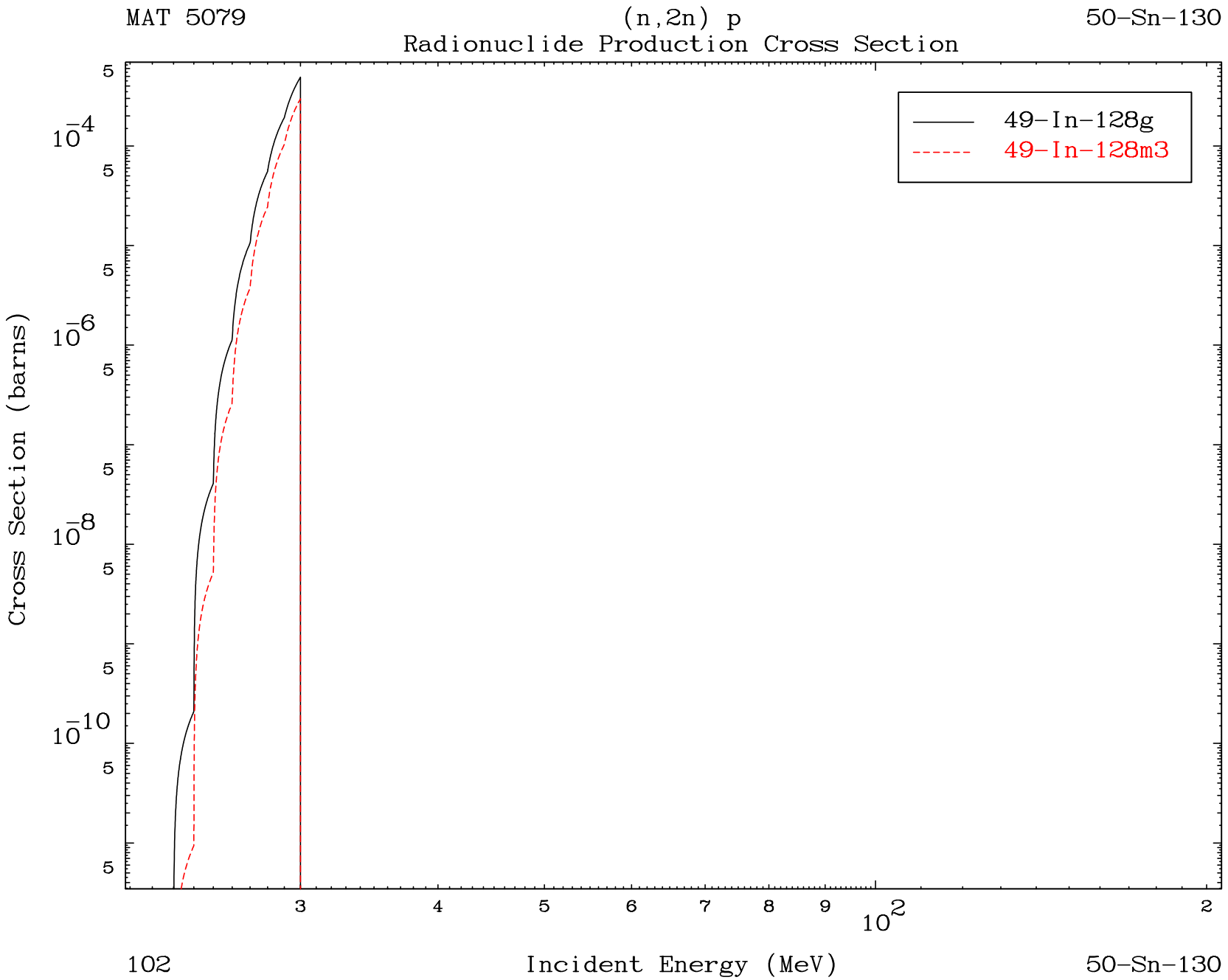

MAT 5079
(n,3n)
50-Sn-130
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
97
50-Sn-130

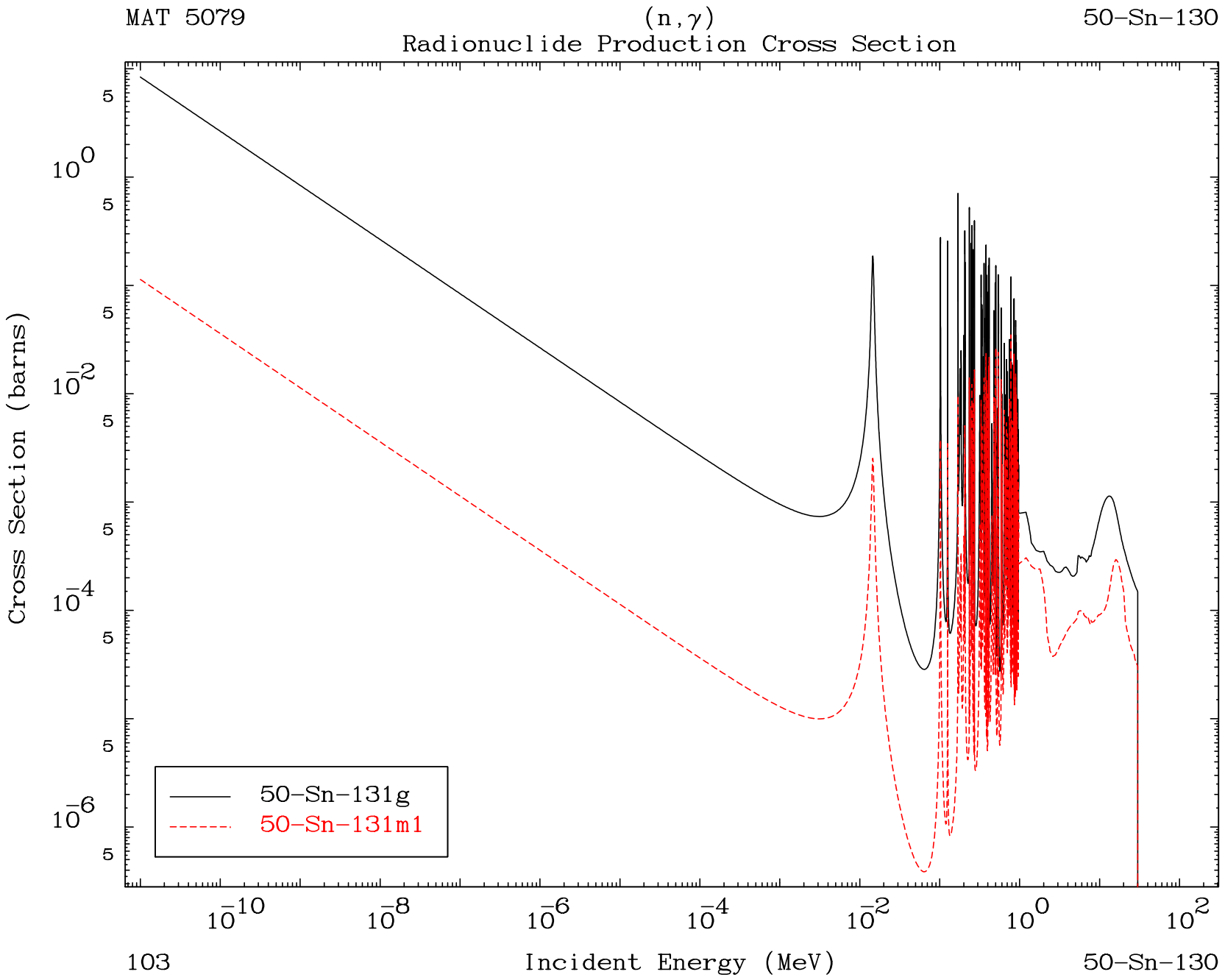

MAT 5079
(n,n') p
50-Sn-130
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
98
Incident Energy (MeV)
50-Sn-130

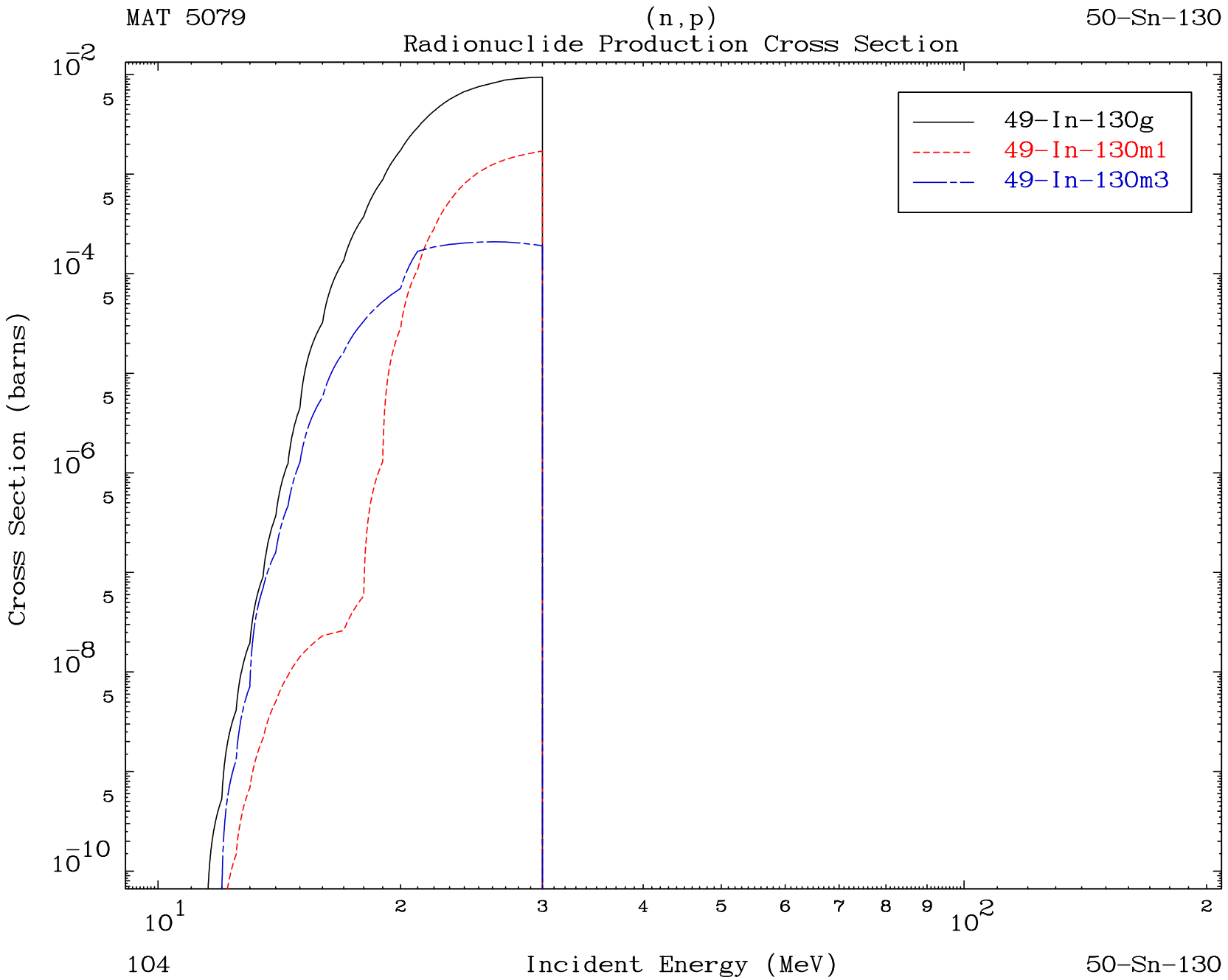

MAT 5079
(n,n') d
50-Sn-130
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
99
Incident Energy (MeV)
50-Sn-130

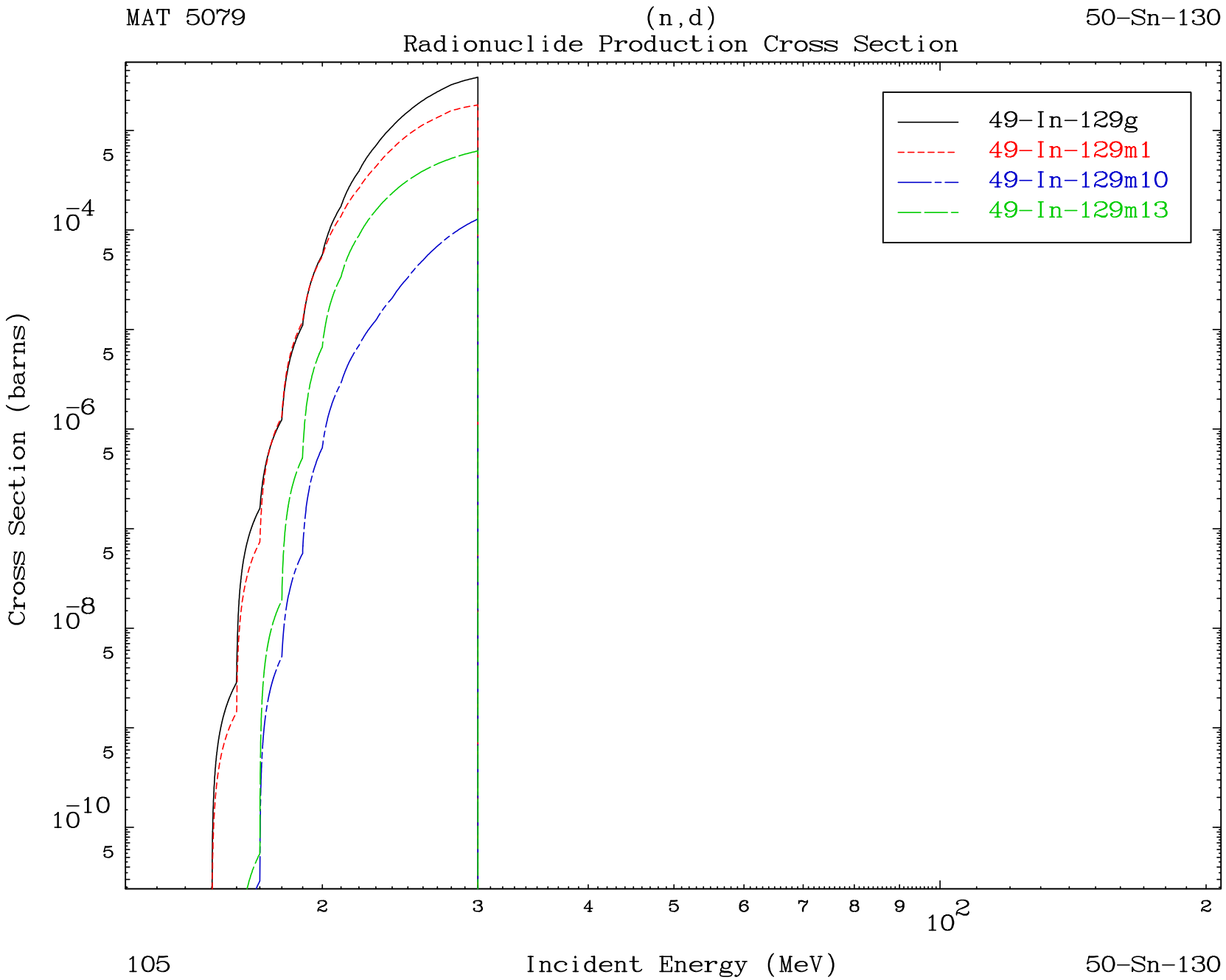

MAT 5079
(n,n') t
50-Sn-130
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
100
Incident Energy (MeV)
50-Sn-130

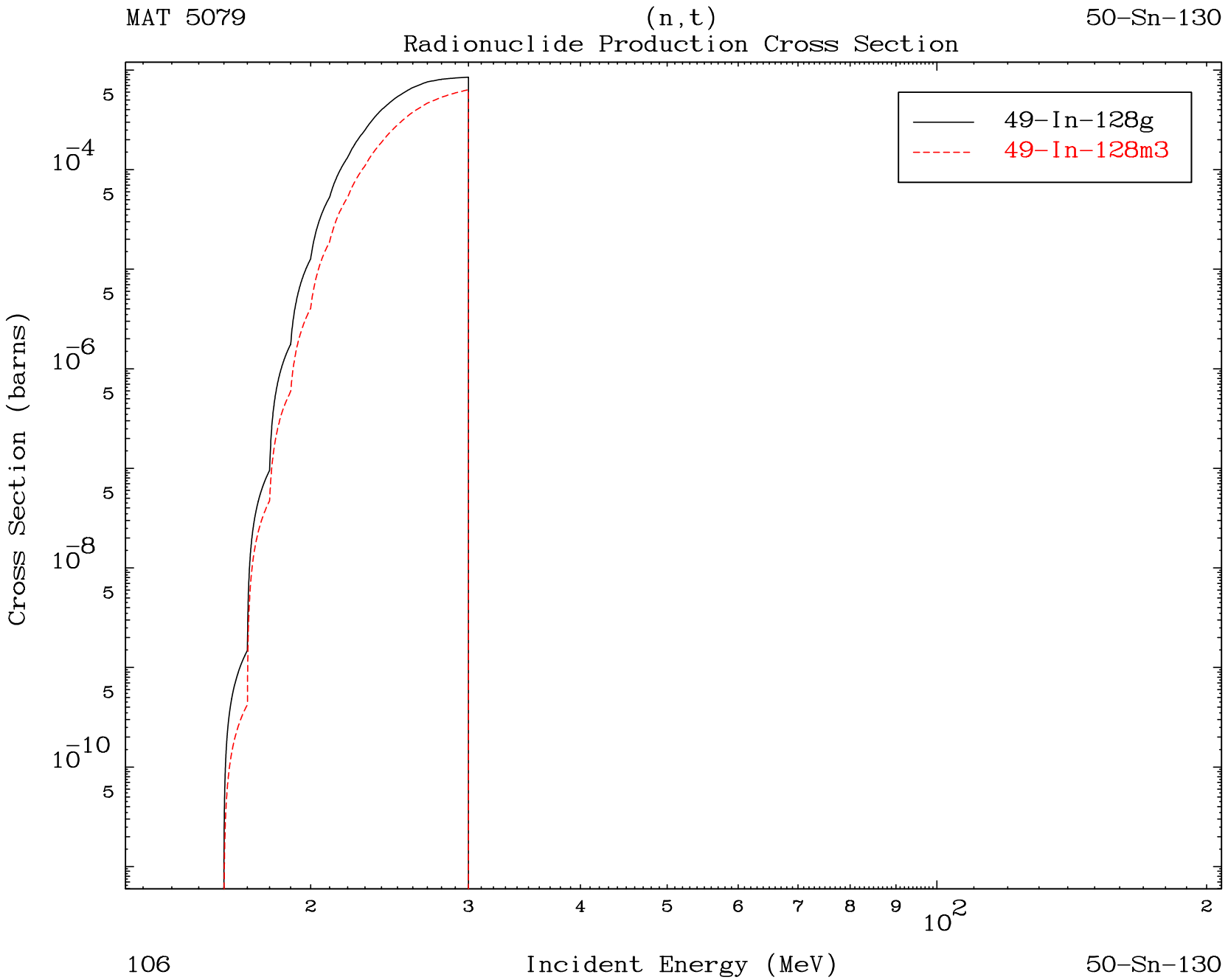

MAT 5079
(n,4n)
50-Sn-130
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
101
50-Sn-130


MAT 5079
(n,2n) p
50-Sn-130
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
102
Incident Energy (MeV)
50-Sn-130


MAT 5079
(n,γ)
50-Sn-130
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
50-Sn-131g
50-Sn-131m1
103
50-Sn-130


MAT 5079
(n,p)
50-Sn-130
Radionuclide Production Cross Section
49-In-130g
49-In-130m1
49-In-130m3
Cross Section (barns)
Incident Energy (MeV)
104
50-Sn-130


MAT 5079
(n,d)
50-Sn-130
Radionuclide Production Cross Section
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
105
Incident Energy (MeV)
50-Sn-130


MAT 5079
(n,t)
50-Sn-130
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
106
Incident Energy (MeV)
50-Sn-130