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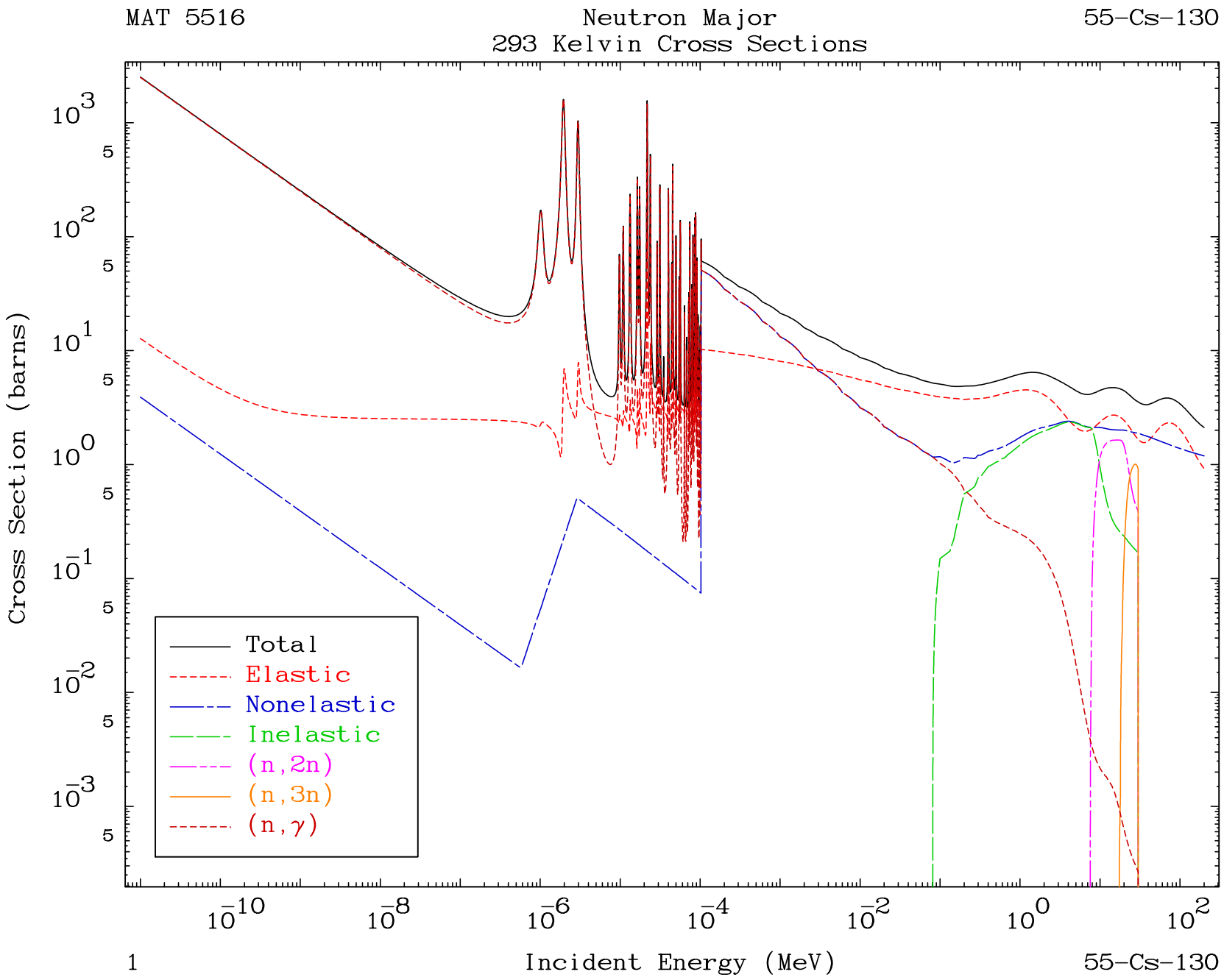
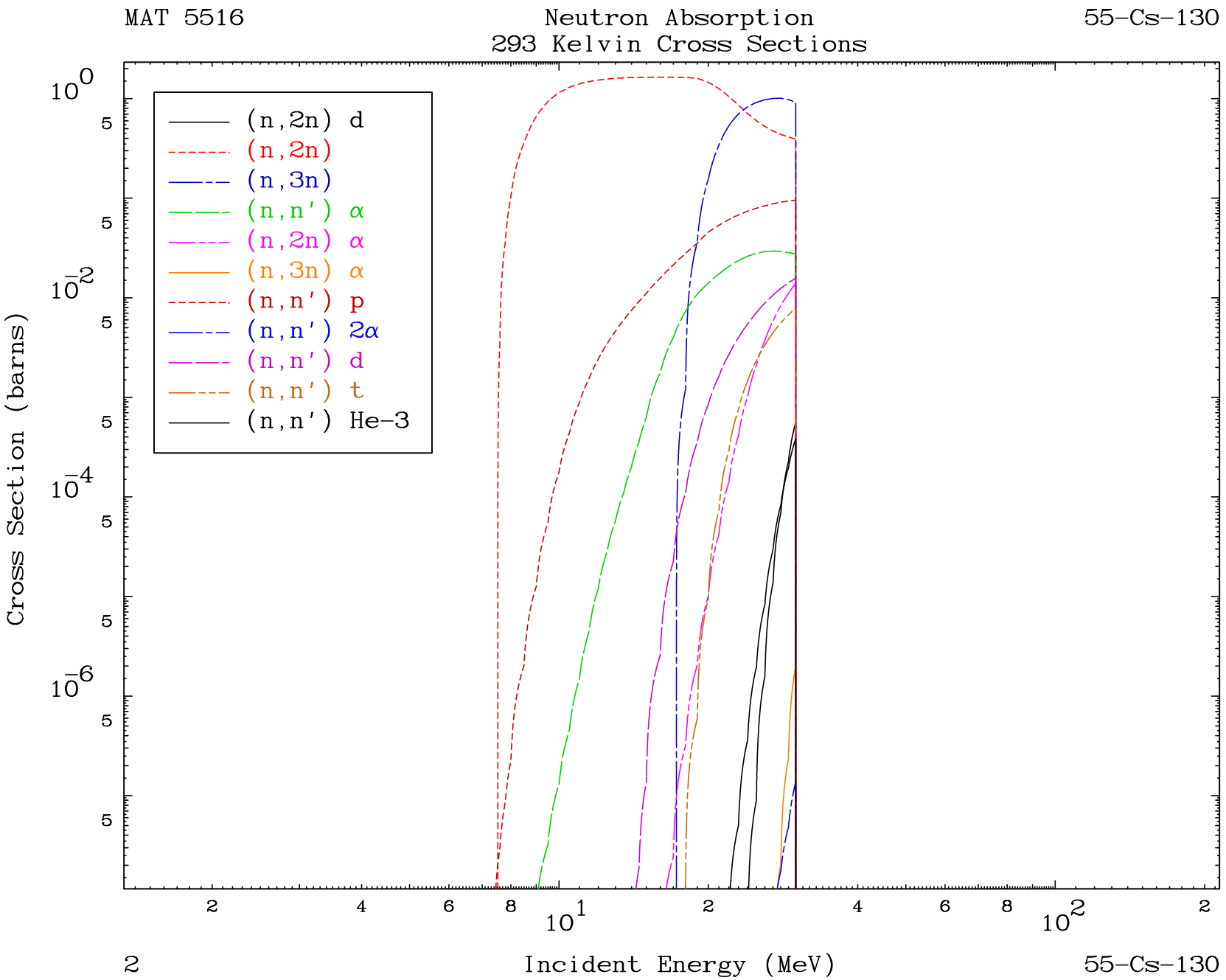
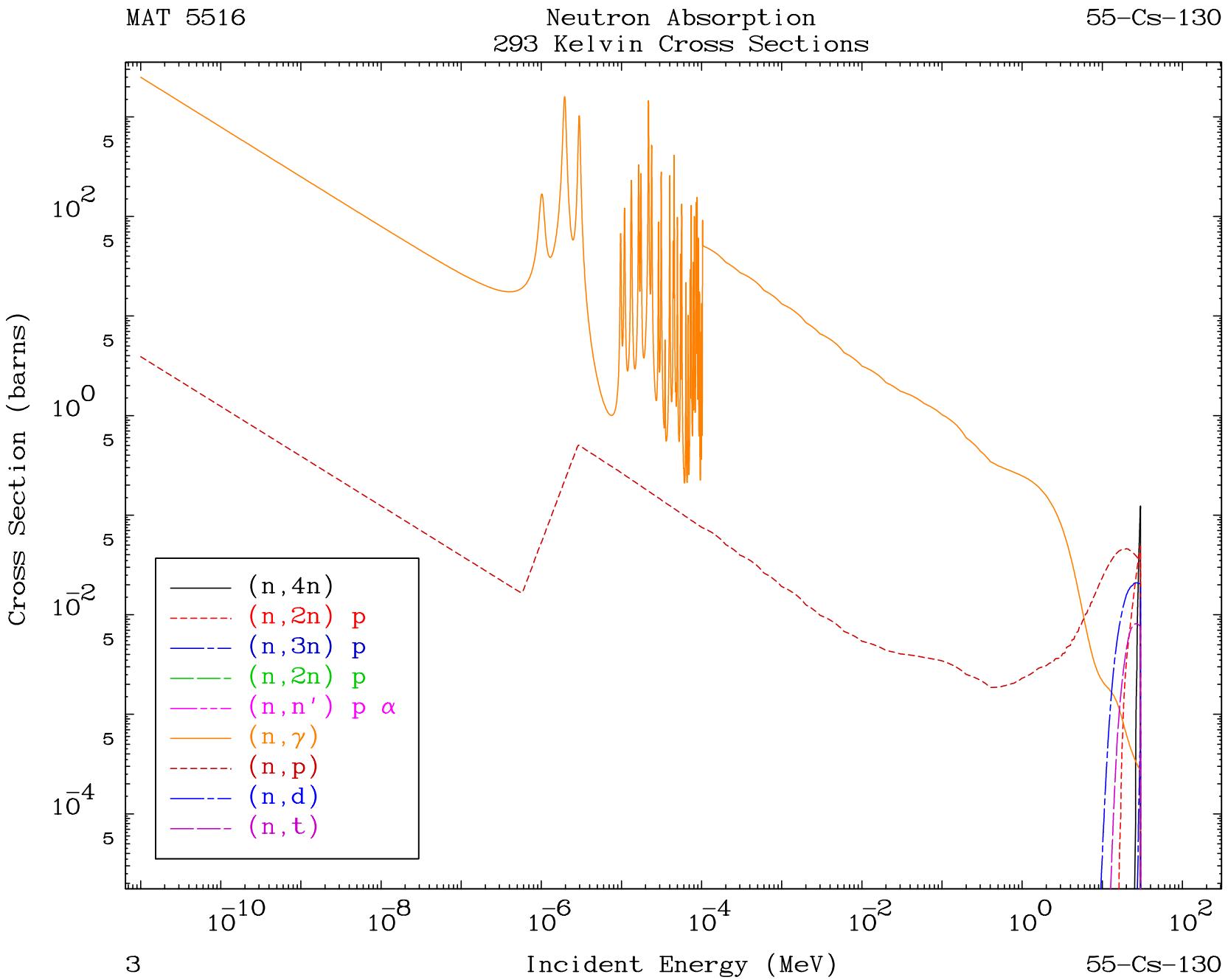
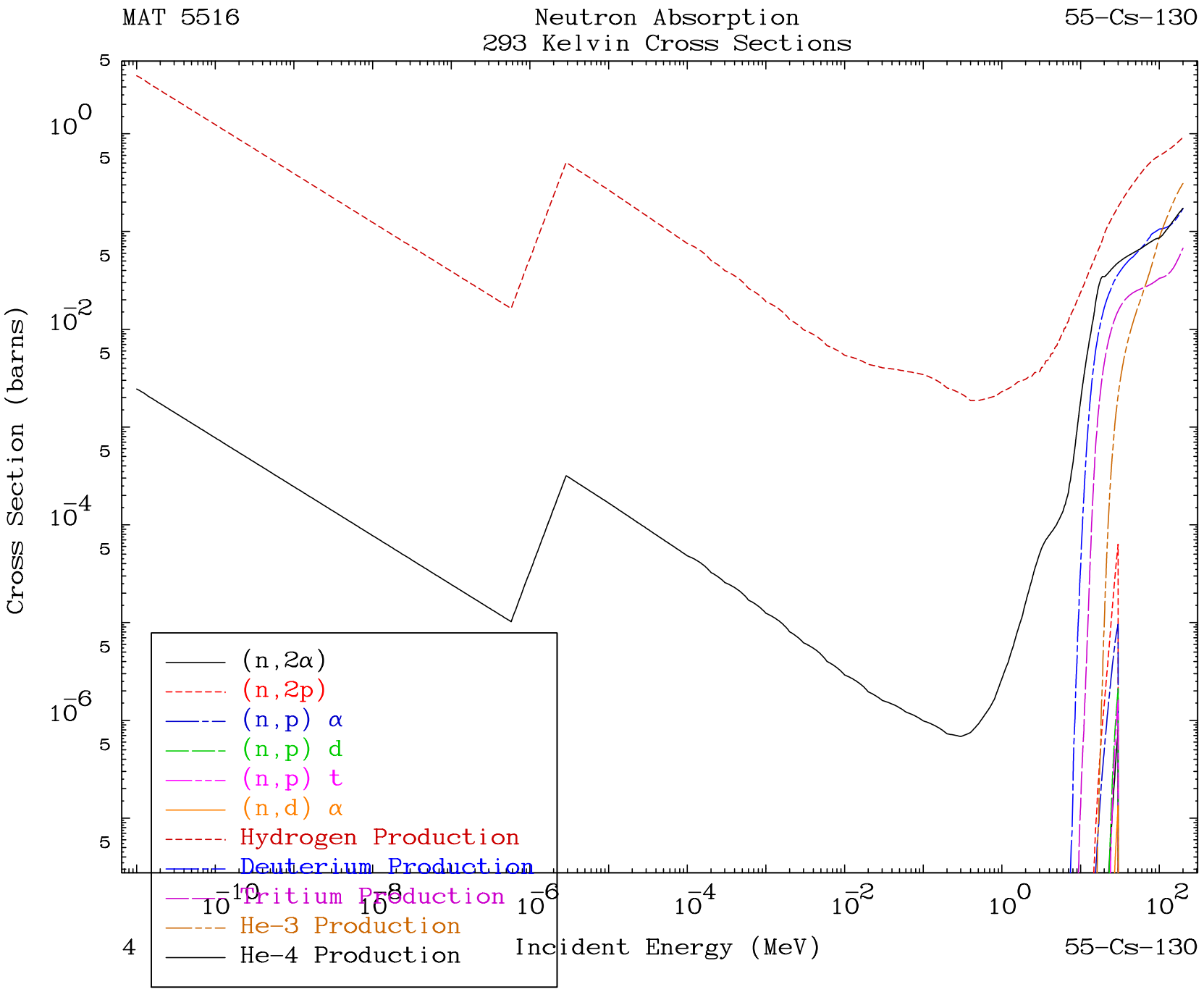
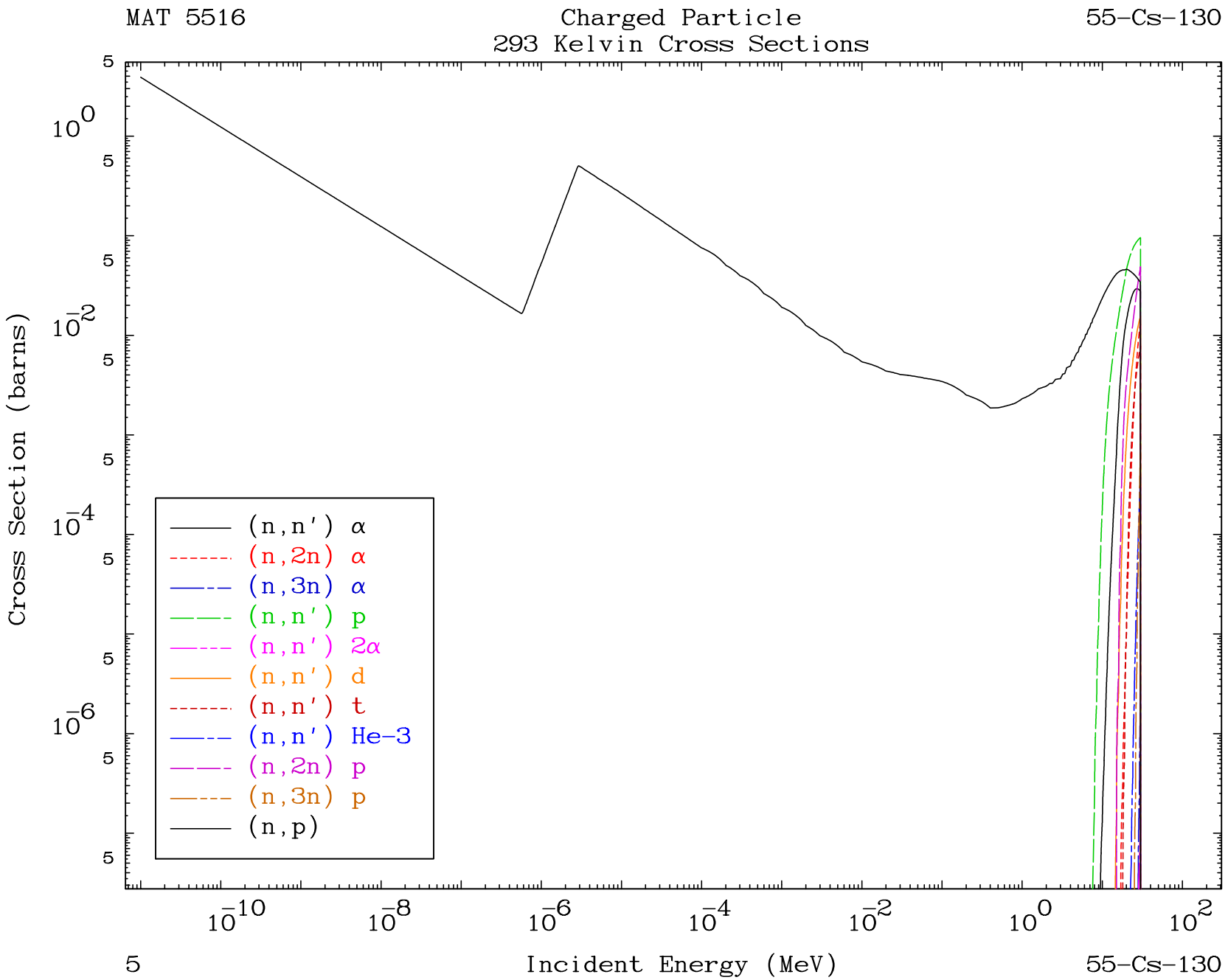
Press Mouse Button to Start

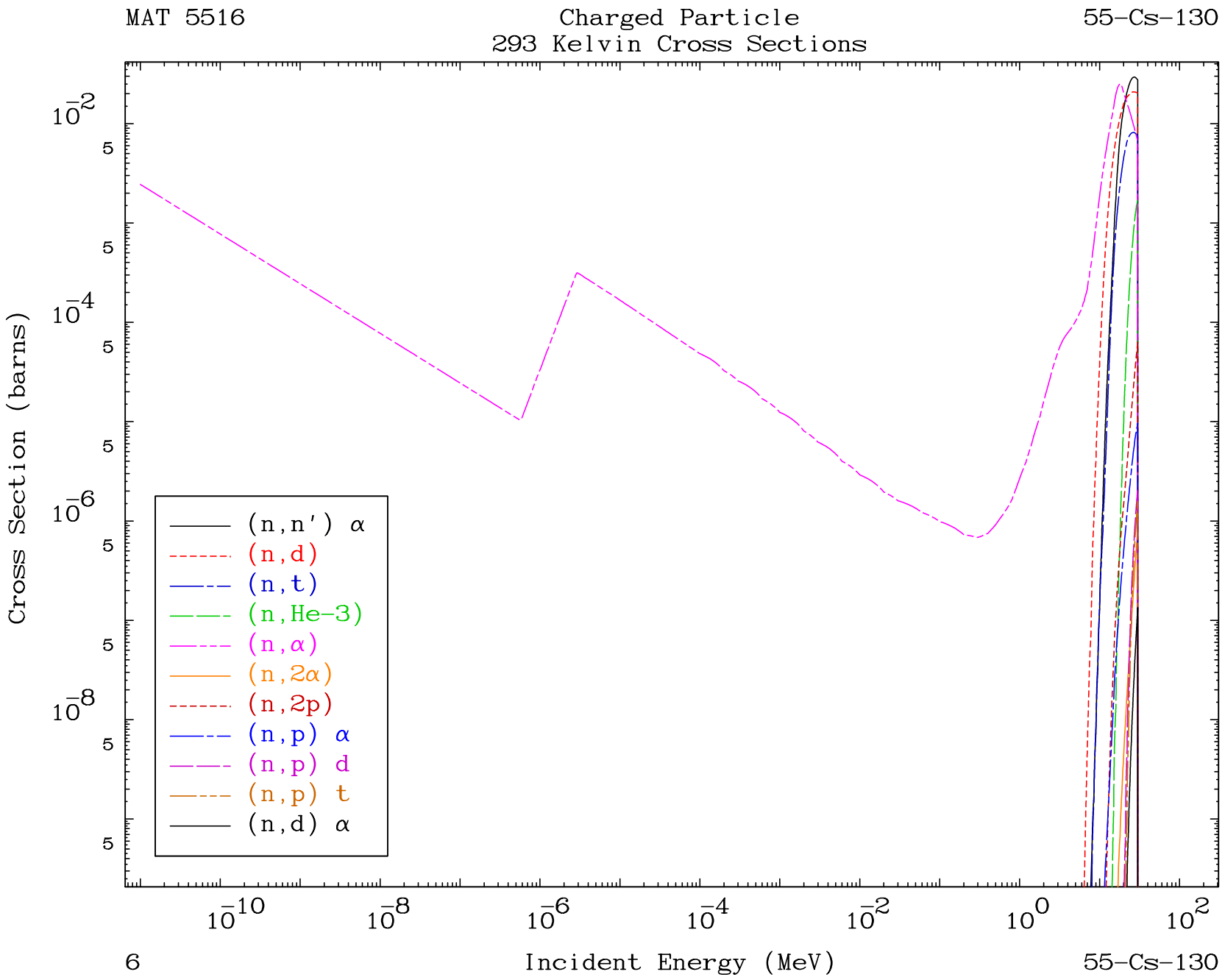

MAT 5516
Neutron Major
293 Kelvin Cross Sections
55-Cs-130
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
55-Cs-130

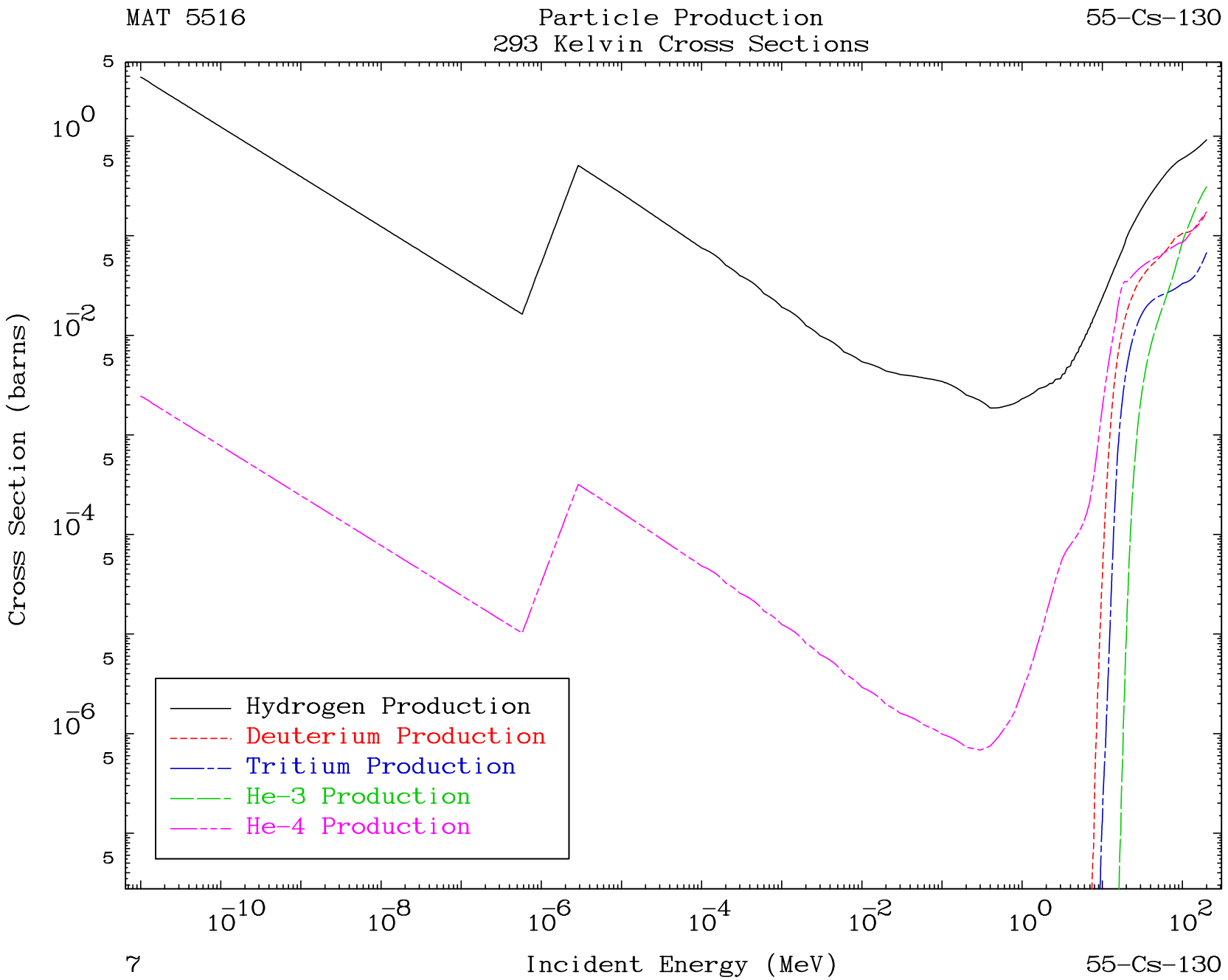

MAT 5516
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-130
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
55-Cs-130

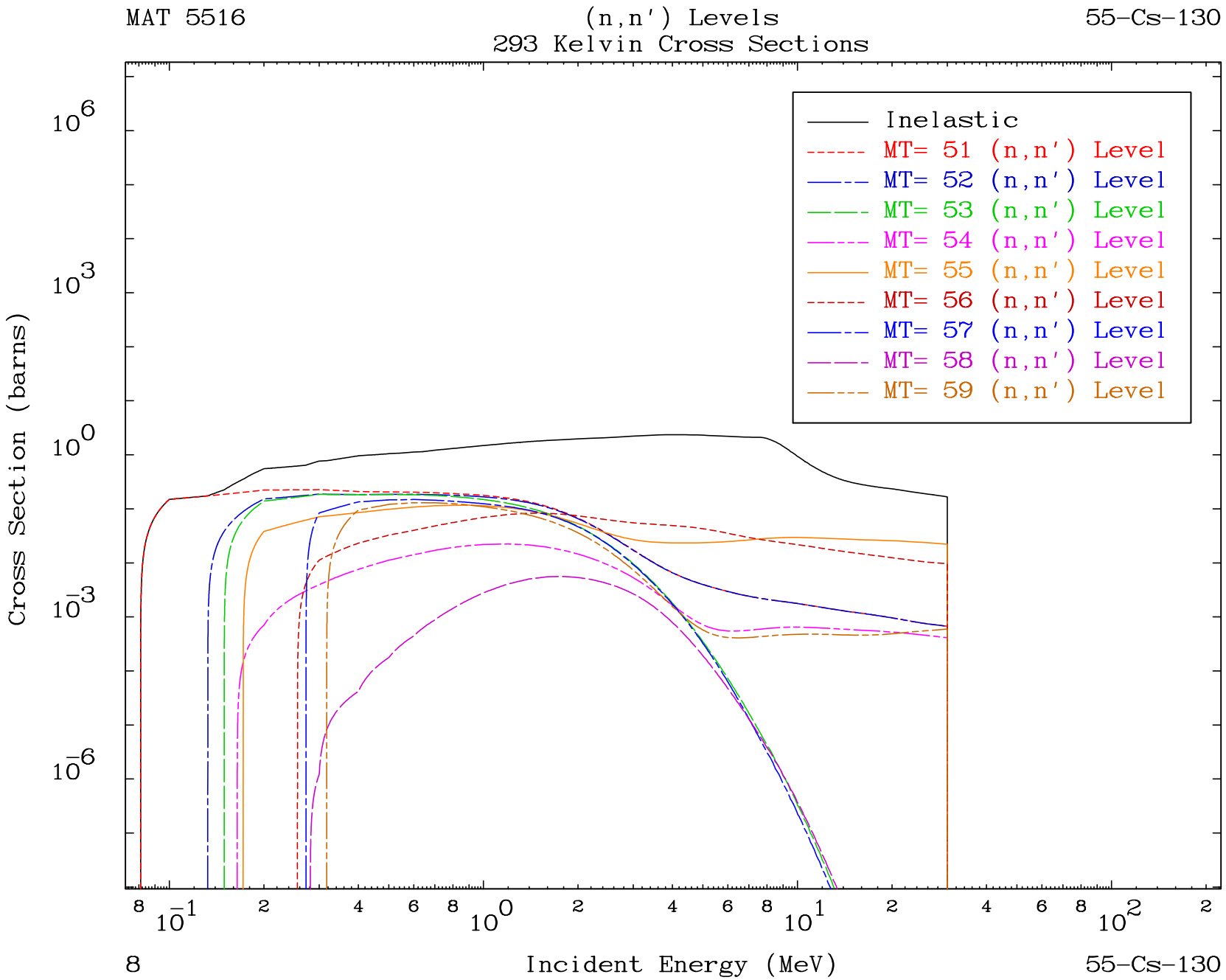

MAT 5516
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-130
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
3
55-Cs-130

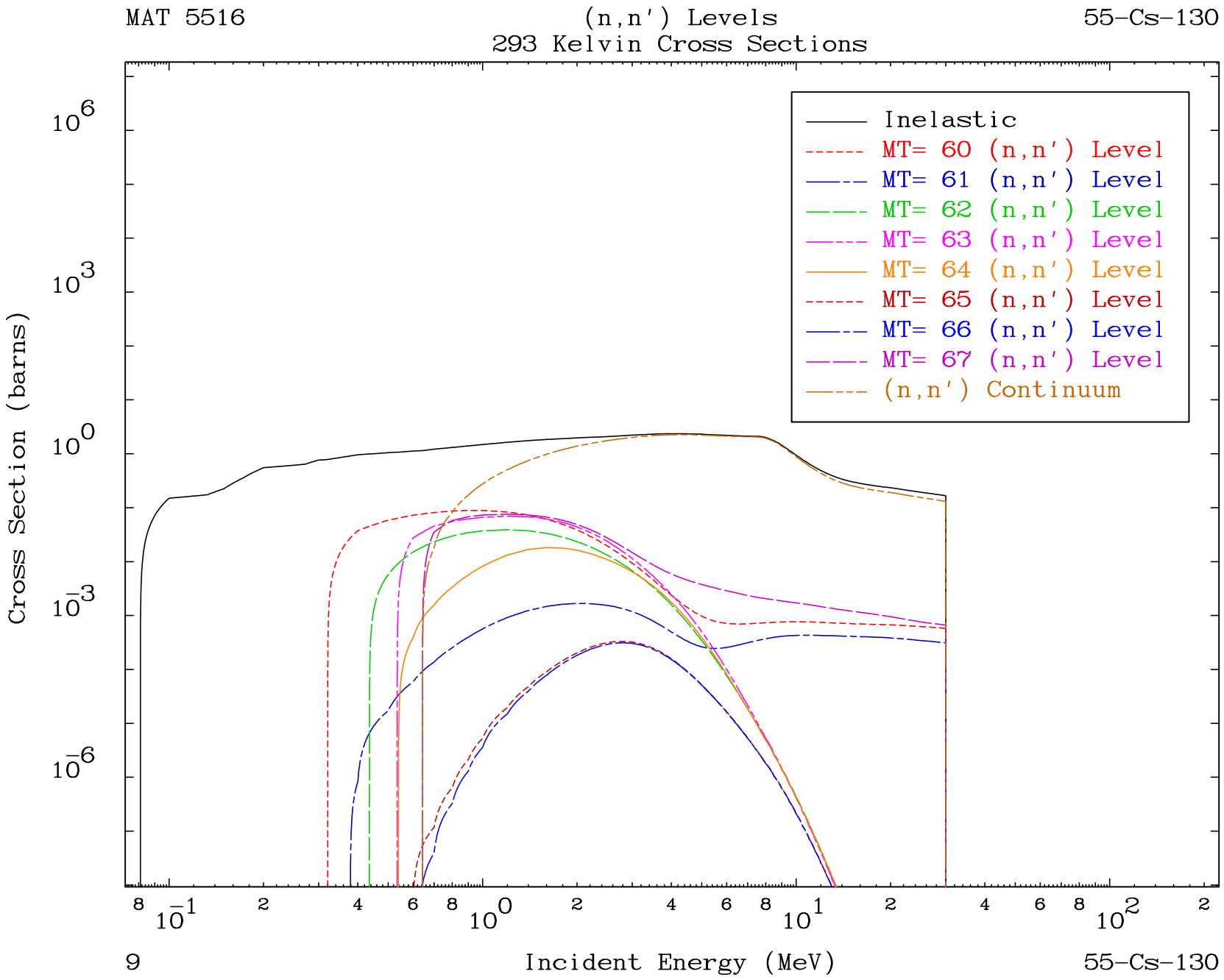

MAT 5516
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-130
Cross Section (barns)
Incident Energy (MeV)
55-Cs-130
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

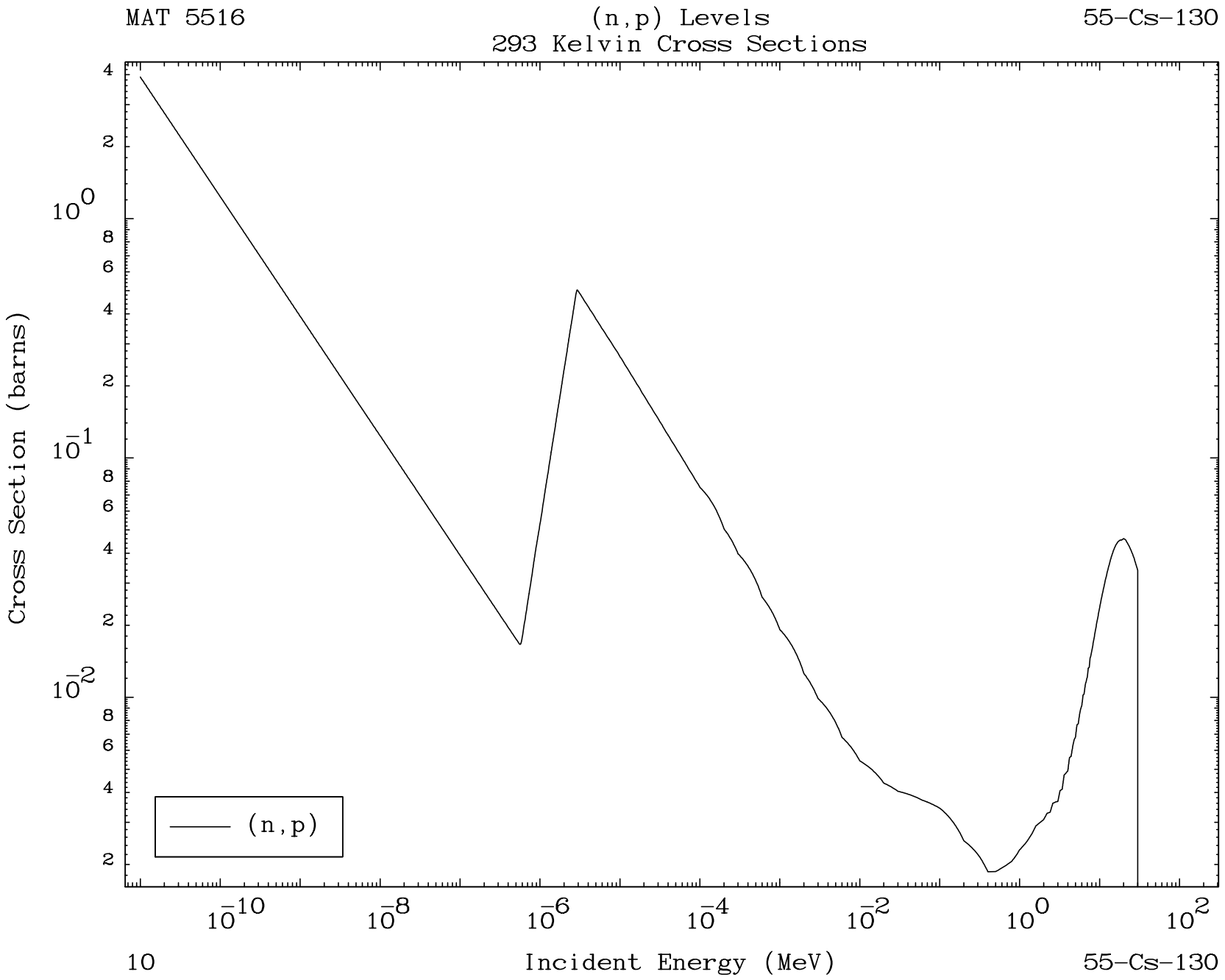

MAT 5516
Charged Particle
55-Cs-130
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
55-Cs-130
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

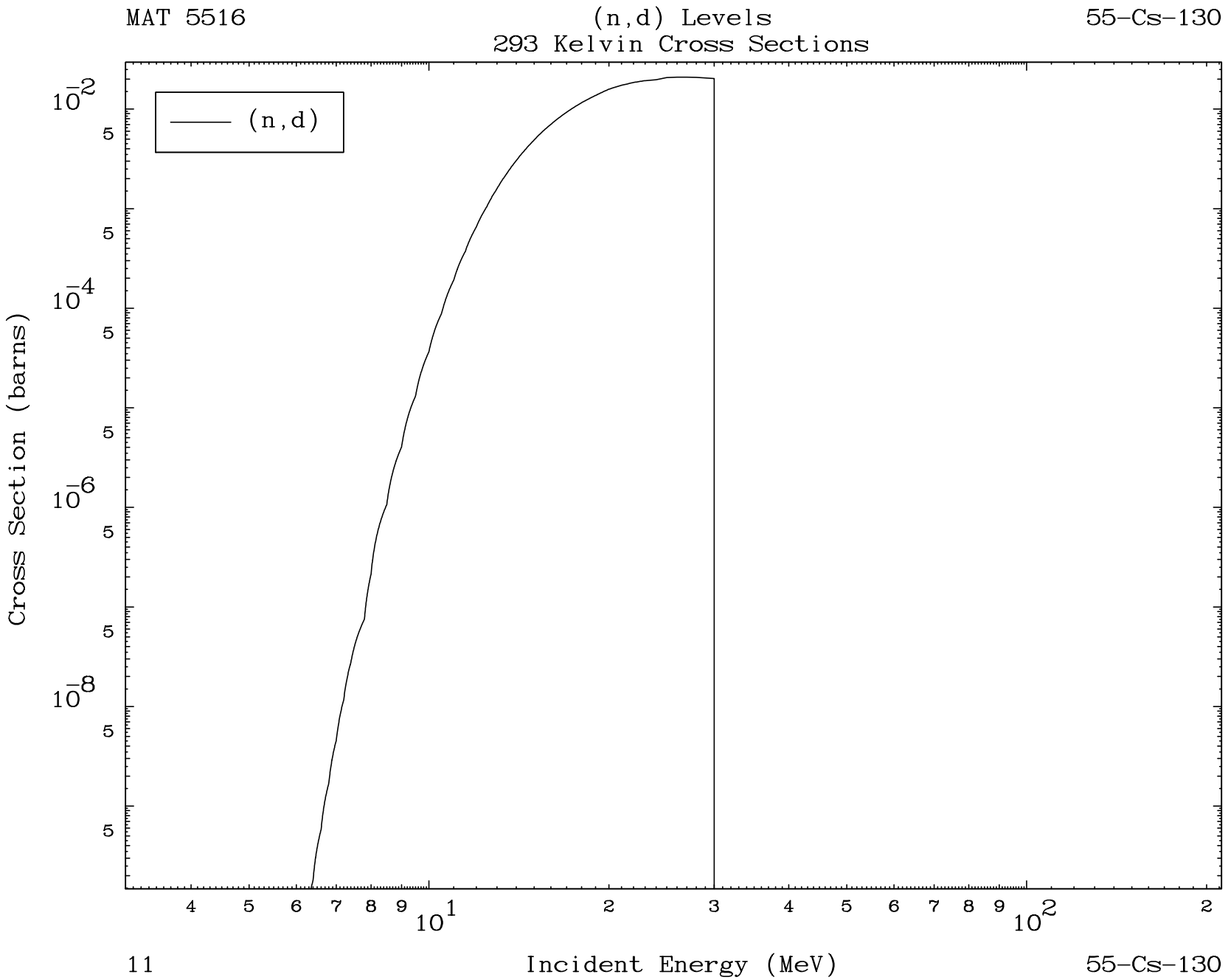

MAT 5516
Charged Particle
55-Cs-130
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6
55-Cs-130

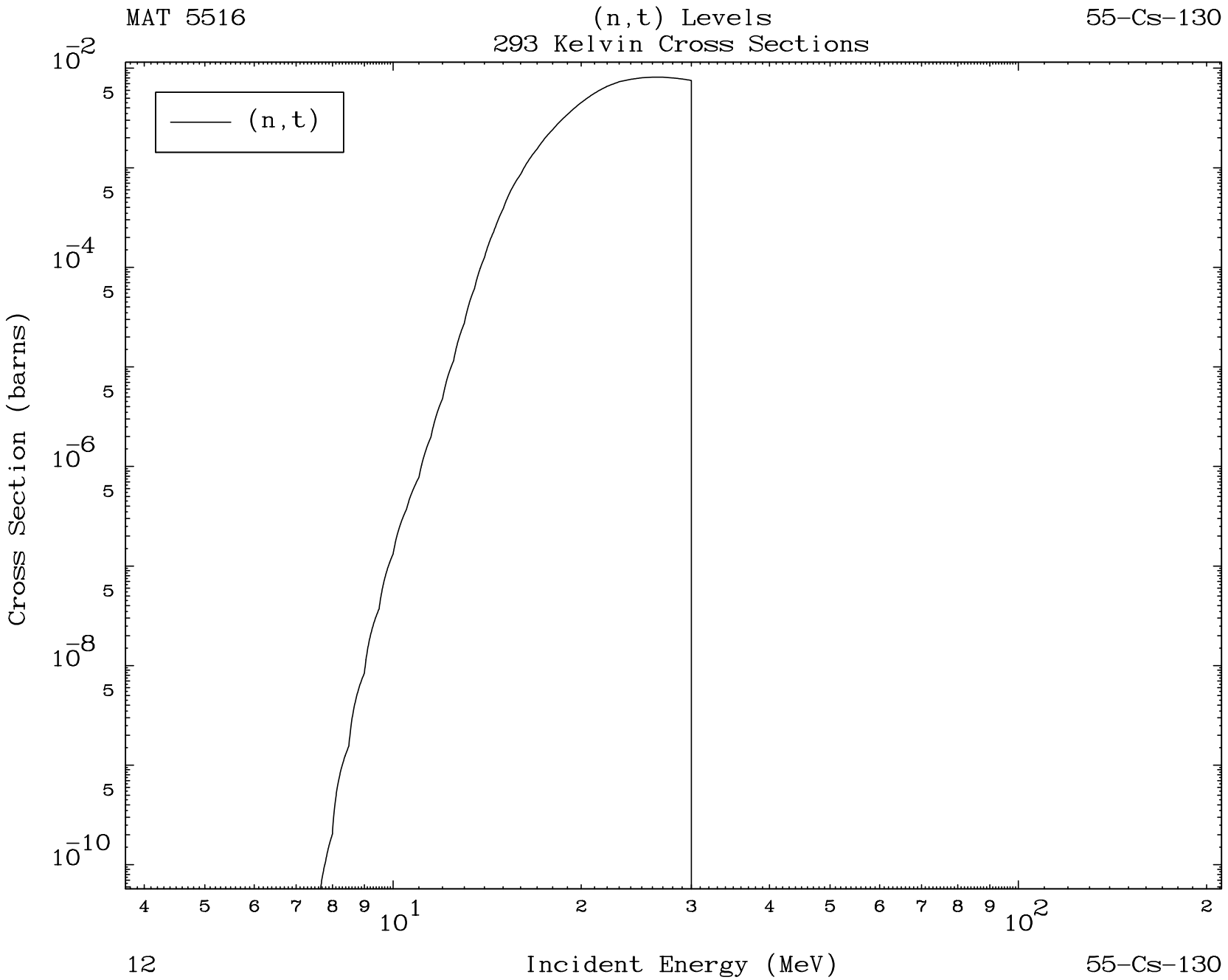

MAT 5516
Particle Production
293 Kelvin Cross Sections
55-Cs-130
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
55-Cs-130

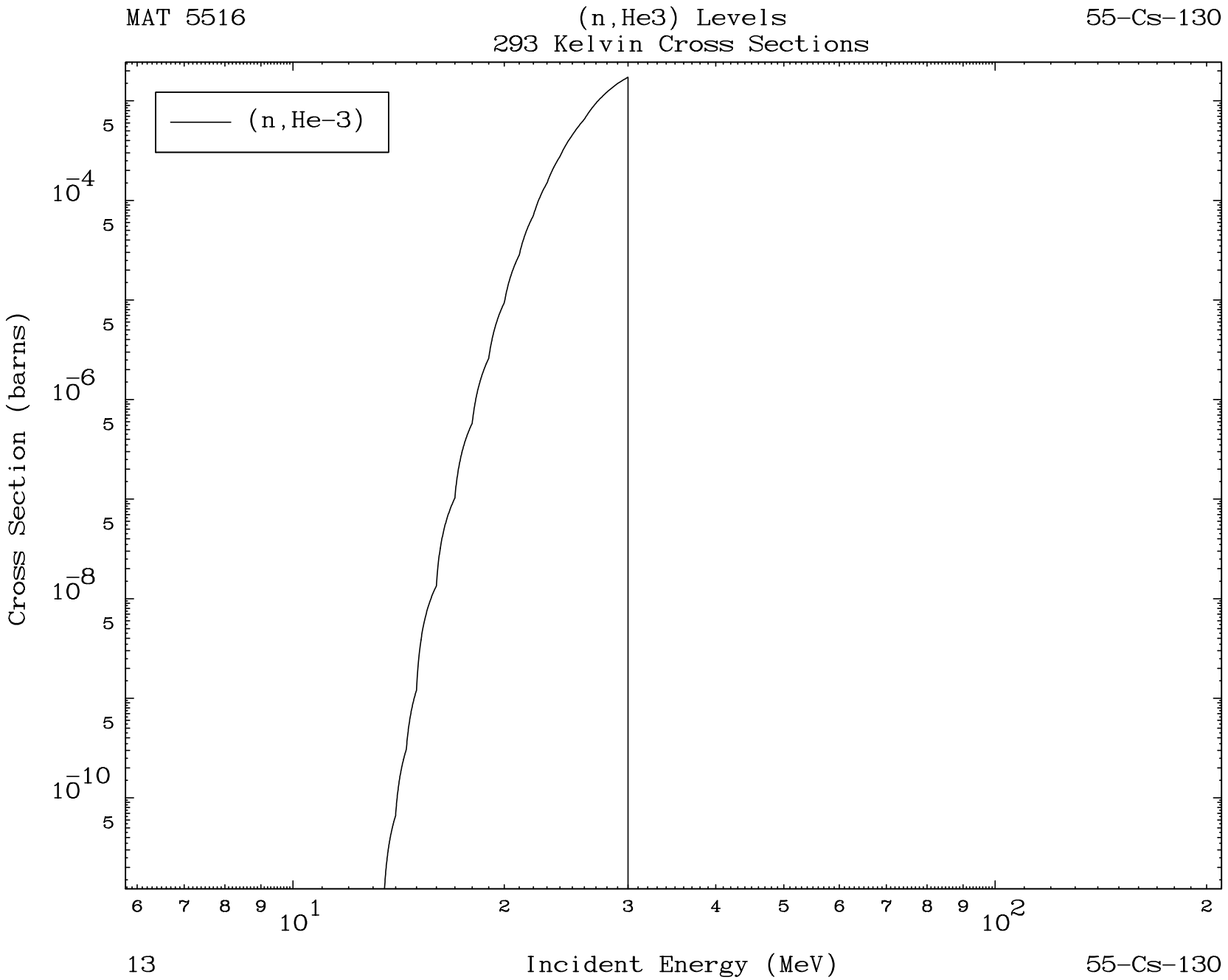

MAT 5516
(n,n') Levels
293 Kelvin Cross Sections
55-Cs-130
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
55-Cs-130
8

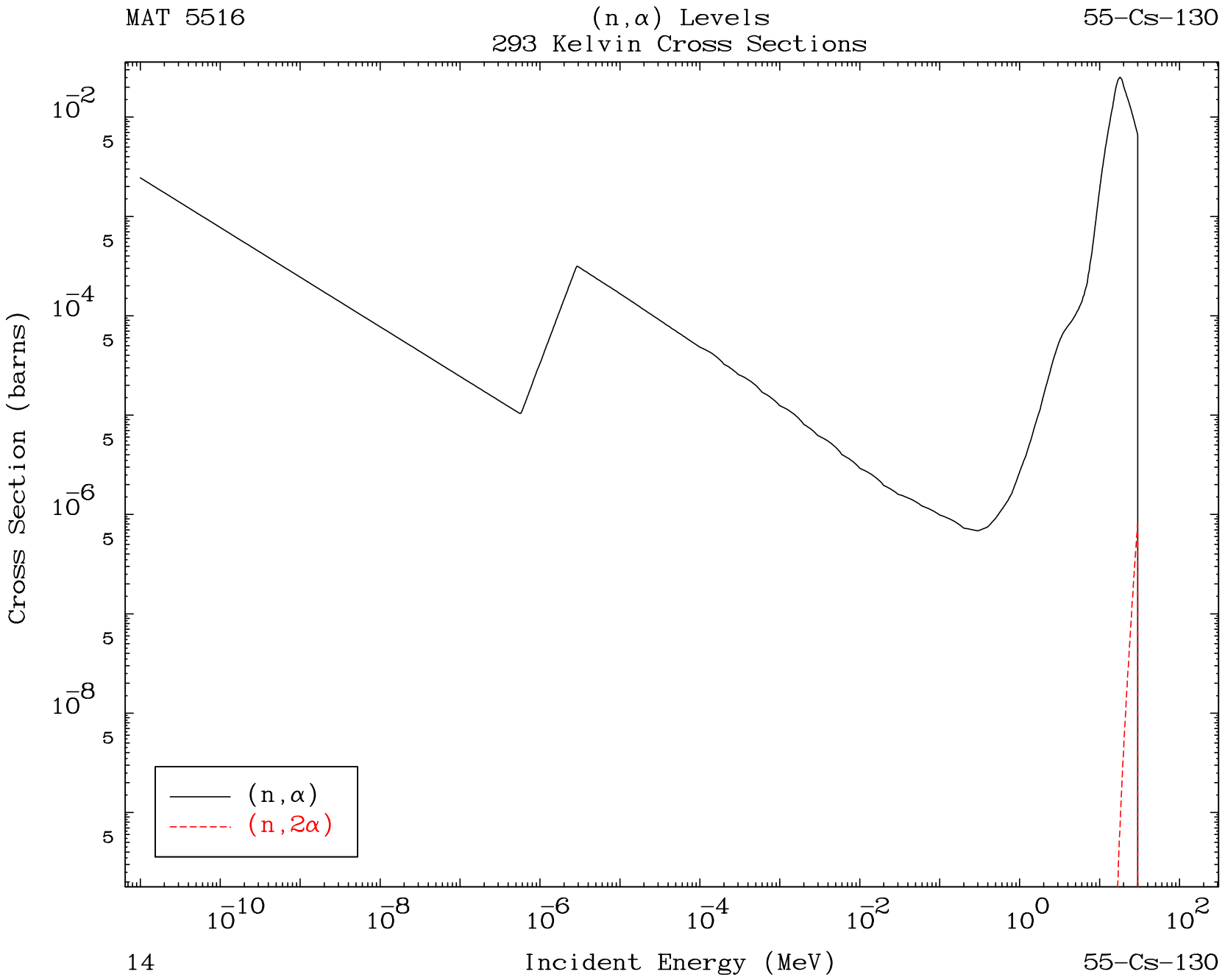

MAT 5516
(n,n') Levels
293 Kelvin Cross Sections
55-Cs-130
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
55-Cs-130

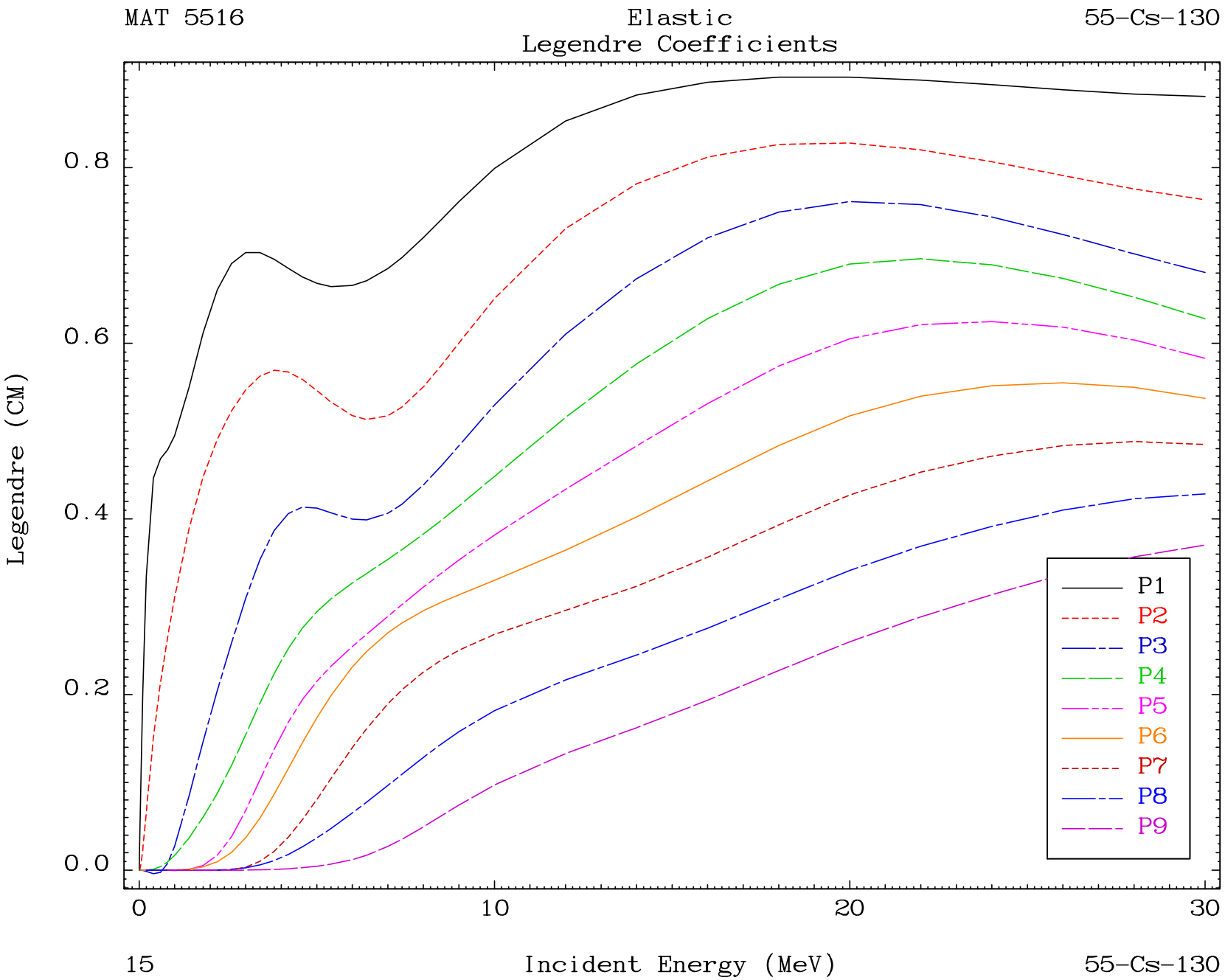

MAT 5516
(n,p) Levels
55-Cs-130
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
10
55-Cs-130

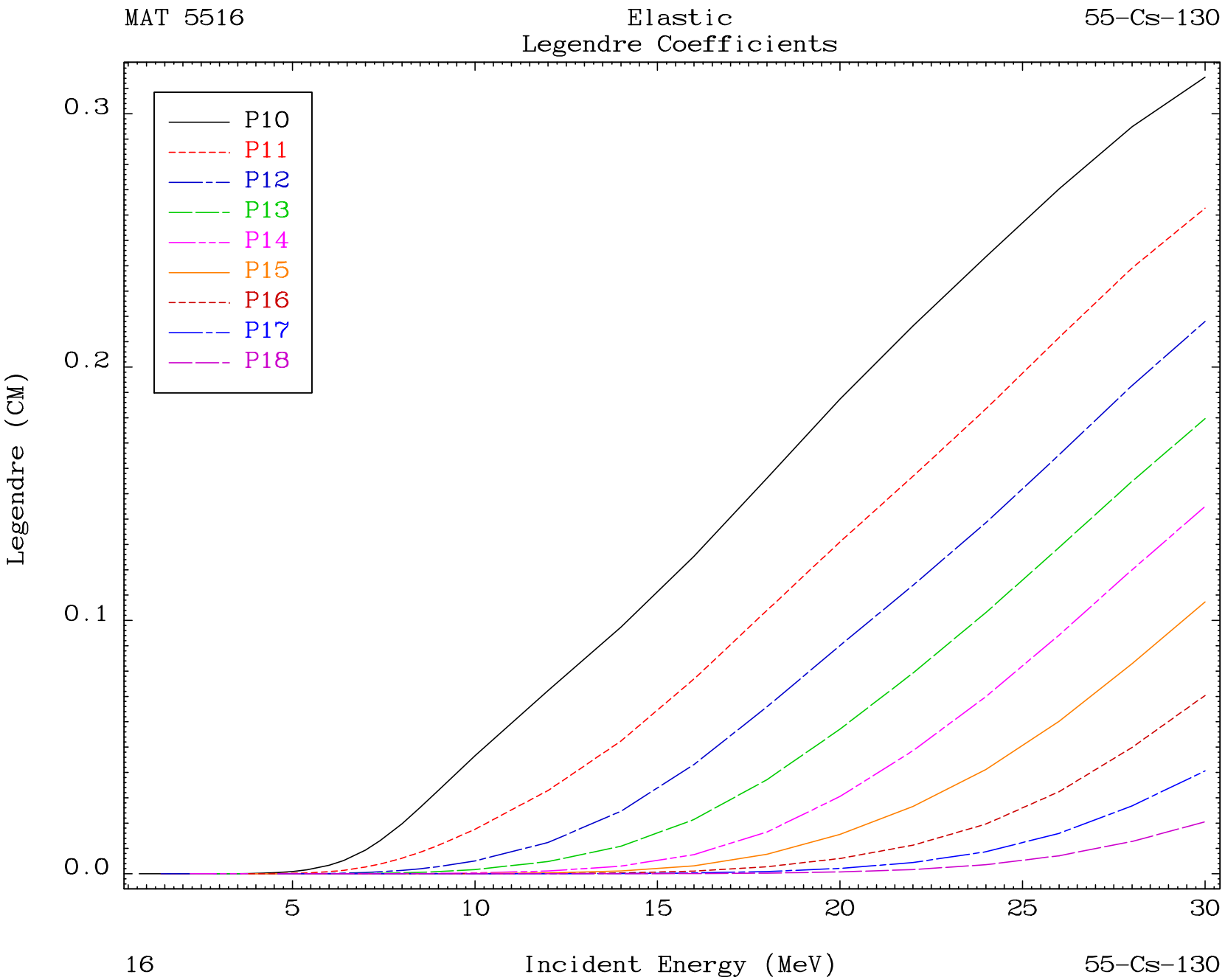

MAT 5516
(n,d) Levels
55-Cs-130
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-130

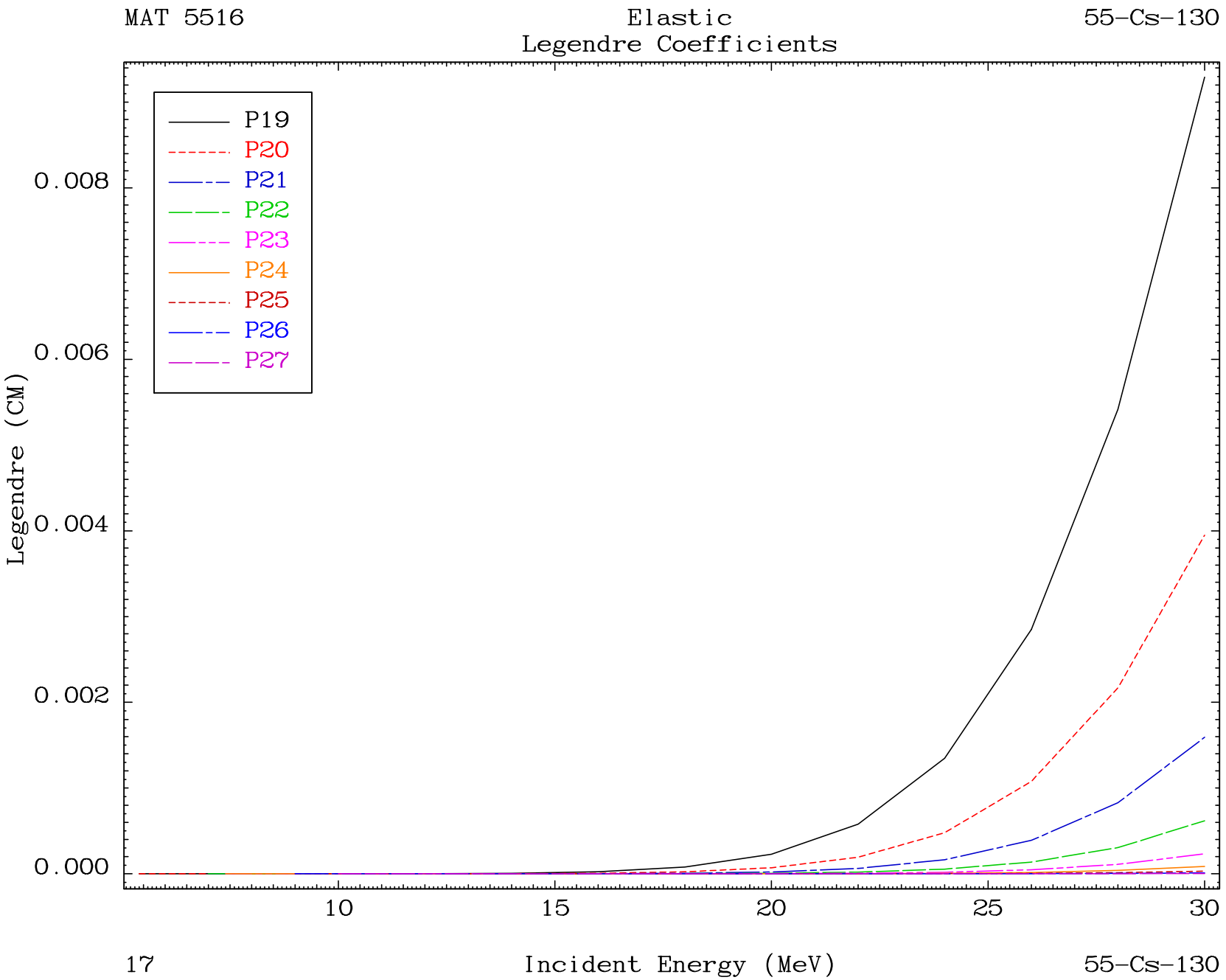

MAT 5516
(n,t) Levels
55-Cs-130
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
55-Cs-130

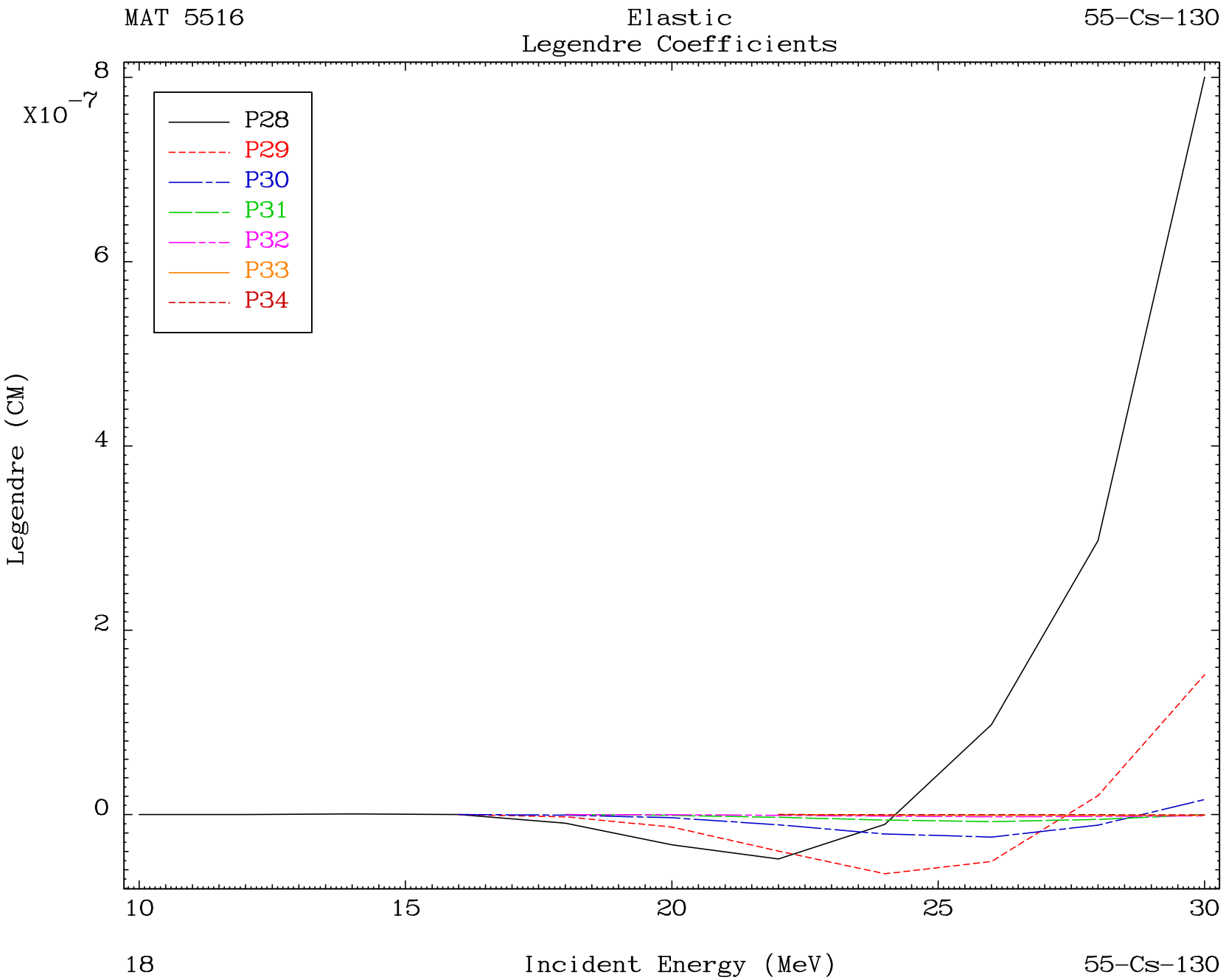

MAT 5516
(n,He3) Levels
55-Cs-130
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
55-Cs-130

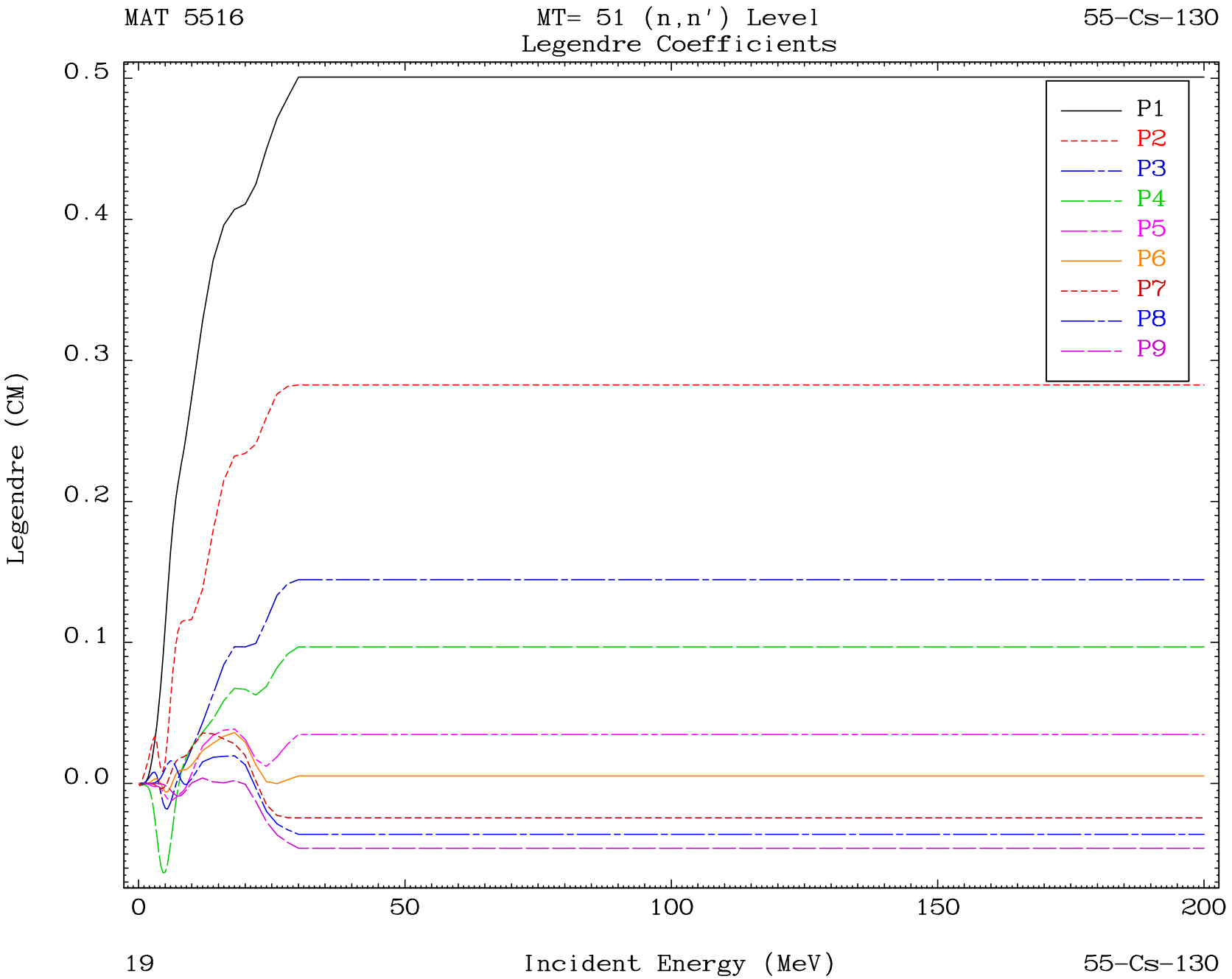

MAT 5516
(n,α) Levels
55-Cs-130
293 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
55-Cs-130

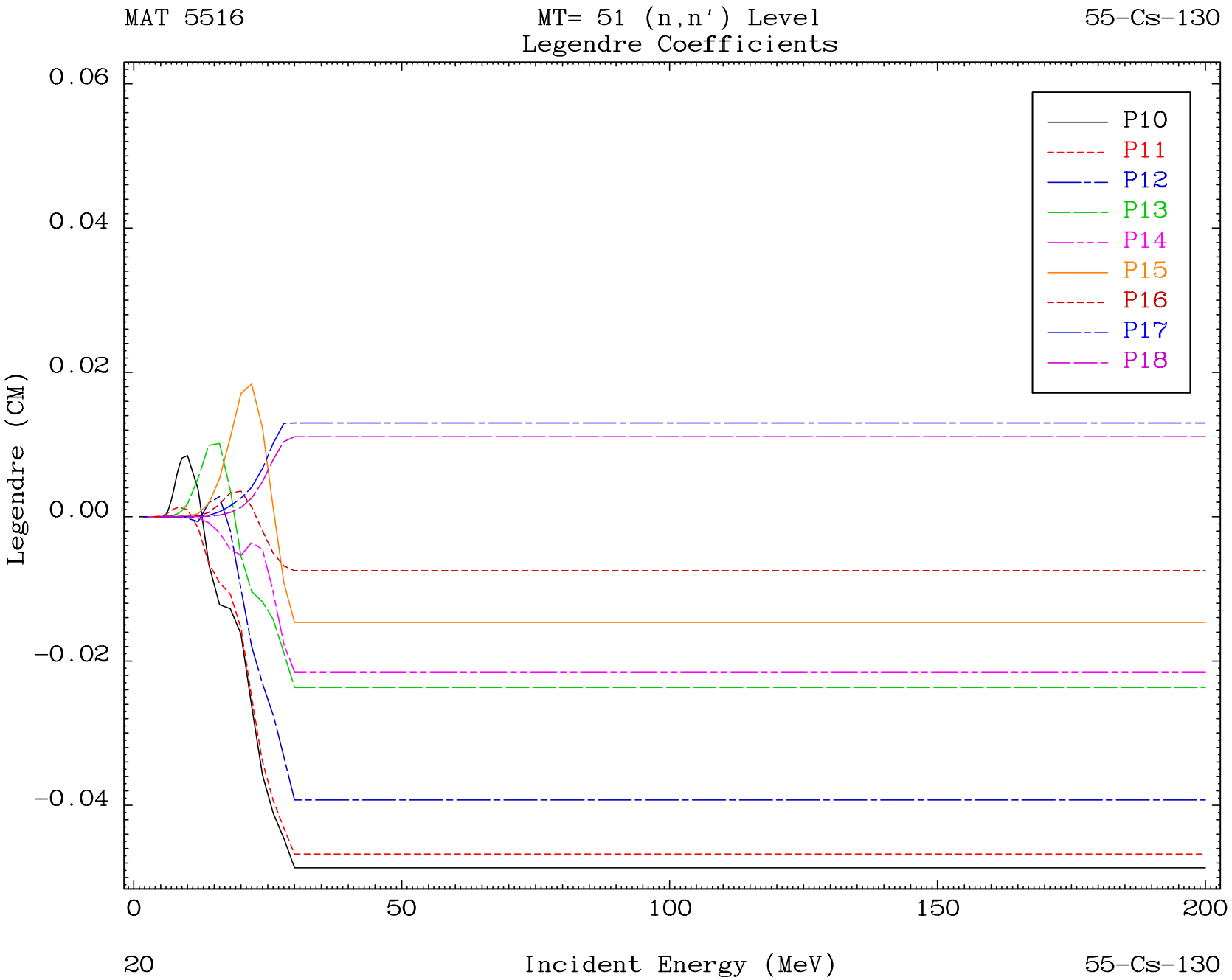

MAT 5516
Elastic
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

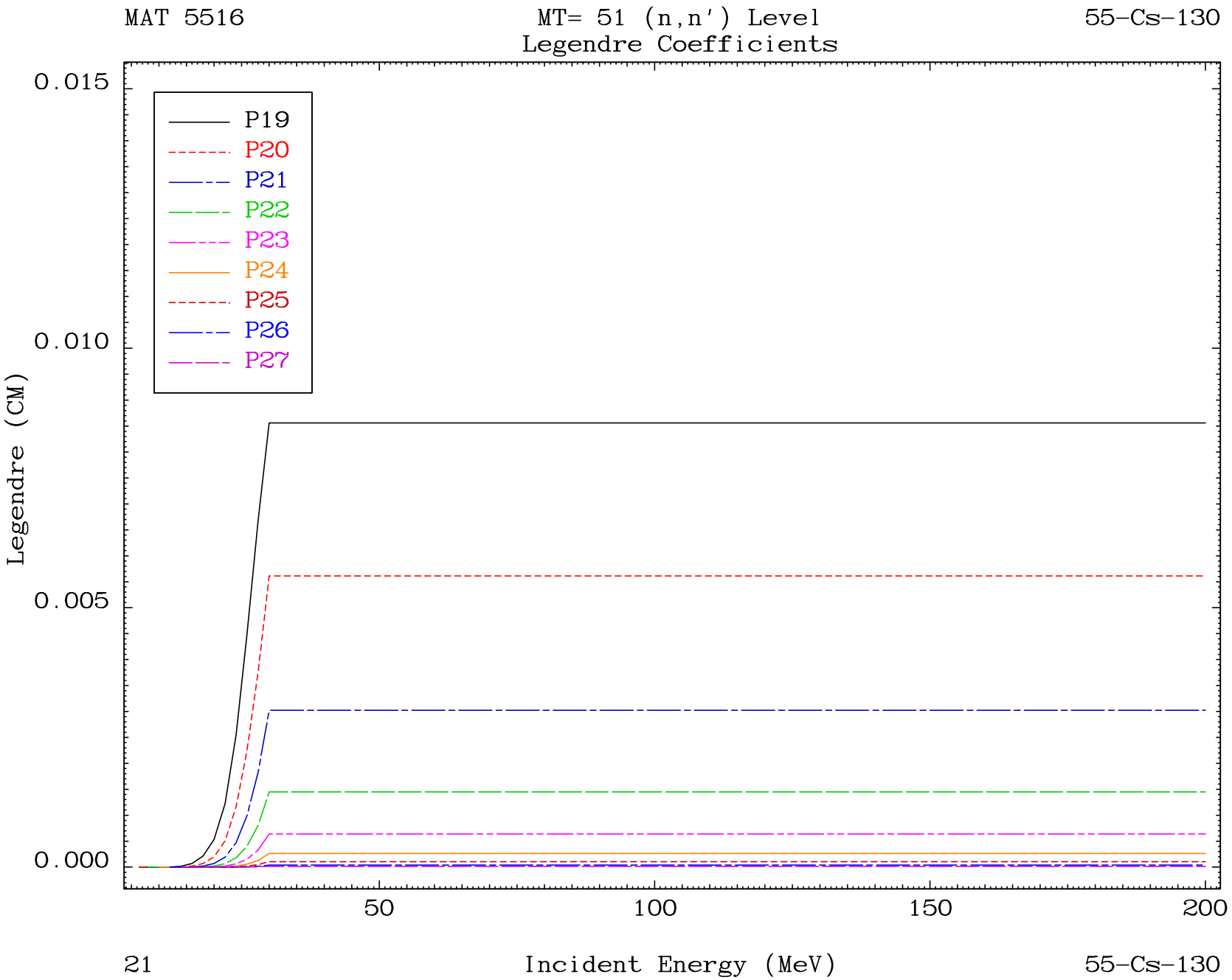

MAT 5516
Elastic
Legendre Coefficients
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.3
0.2
0.1
0.0
Legendre (CM)
5
10
15
20
25
30
16
Incident Energy (MeV)
55-Cs-130

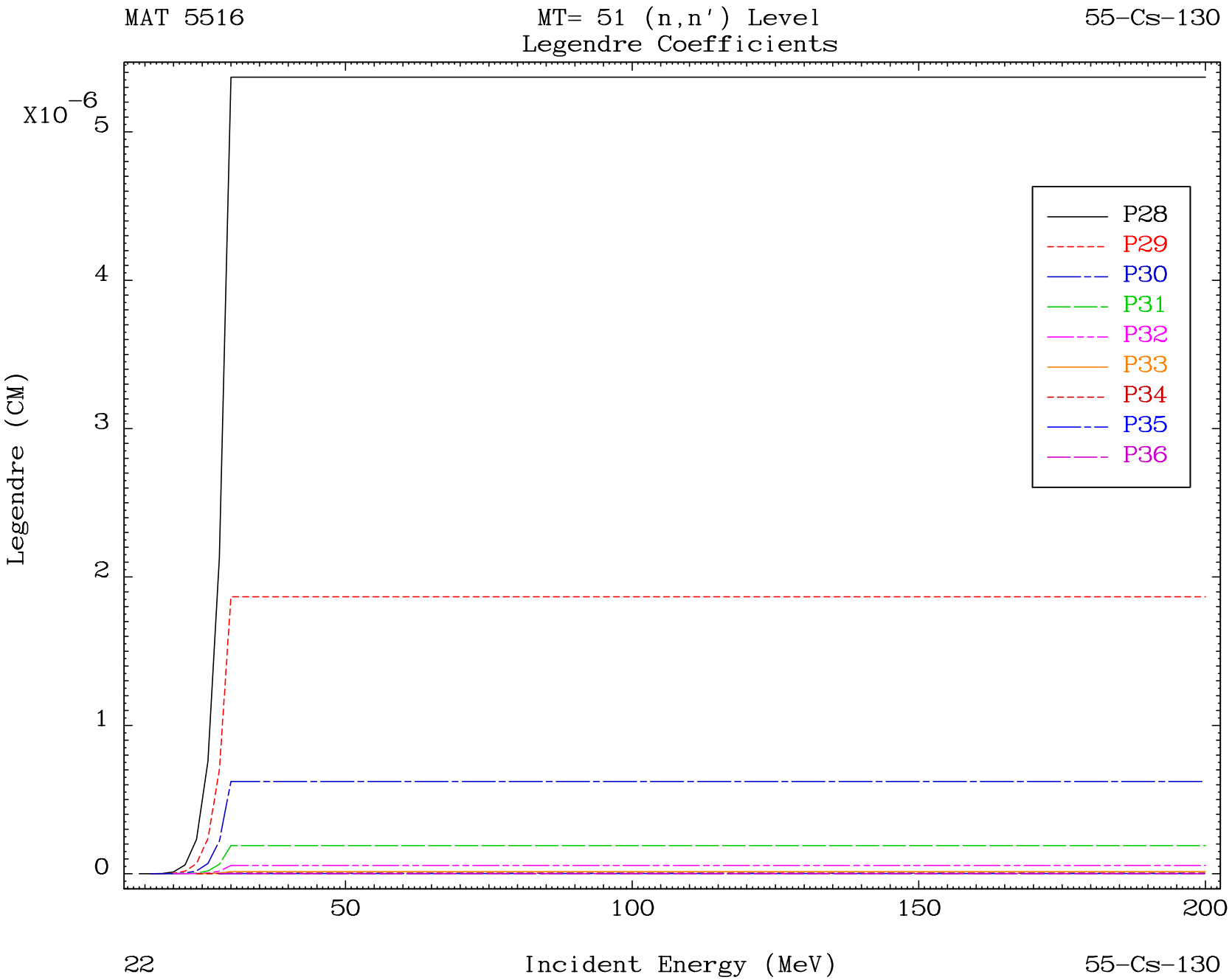

MAT 5516
Elastic
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
55-Cs-130

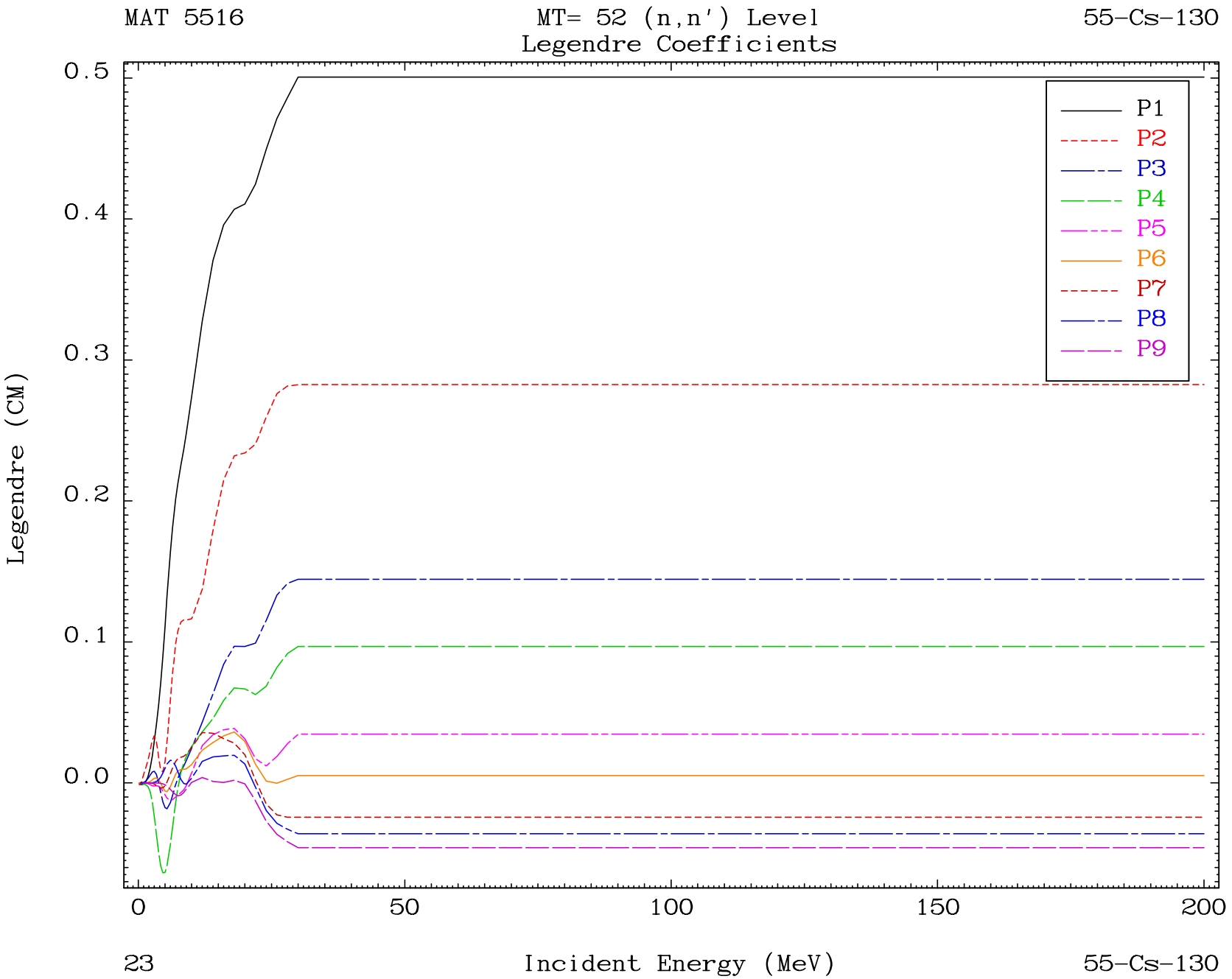

MAT 5516
Elastic
Legendre Coefficients
55-Cs-130
X10-7
8
6
4
2
0
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
55-Cs-130

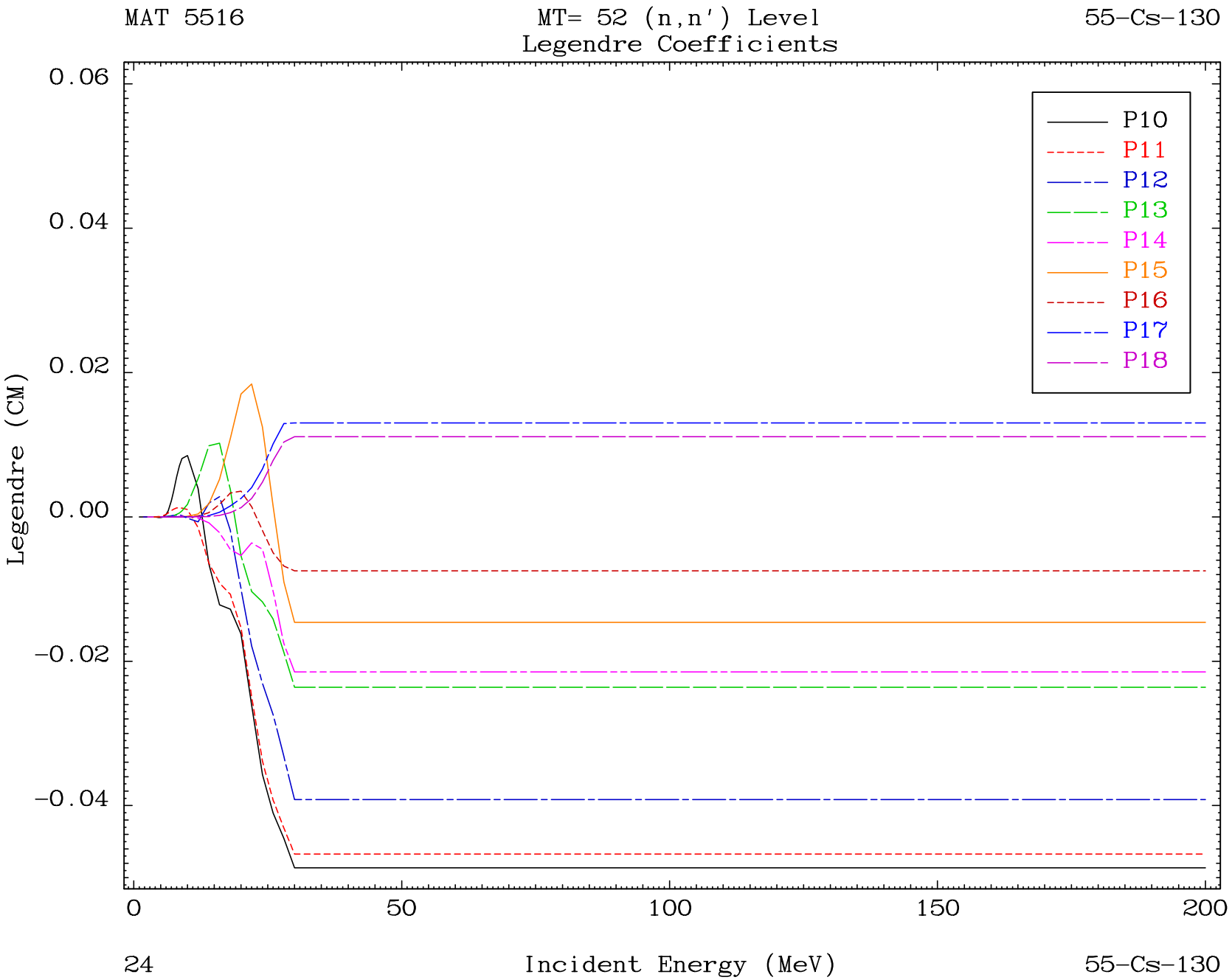

MAT 5516
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
19
Incident Energy (MeV)
55-Cs-130

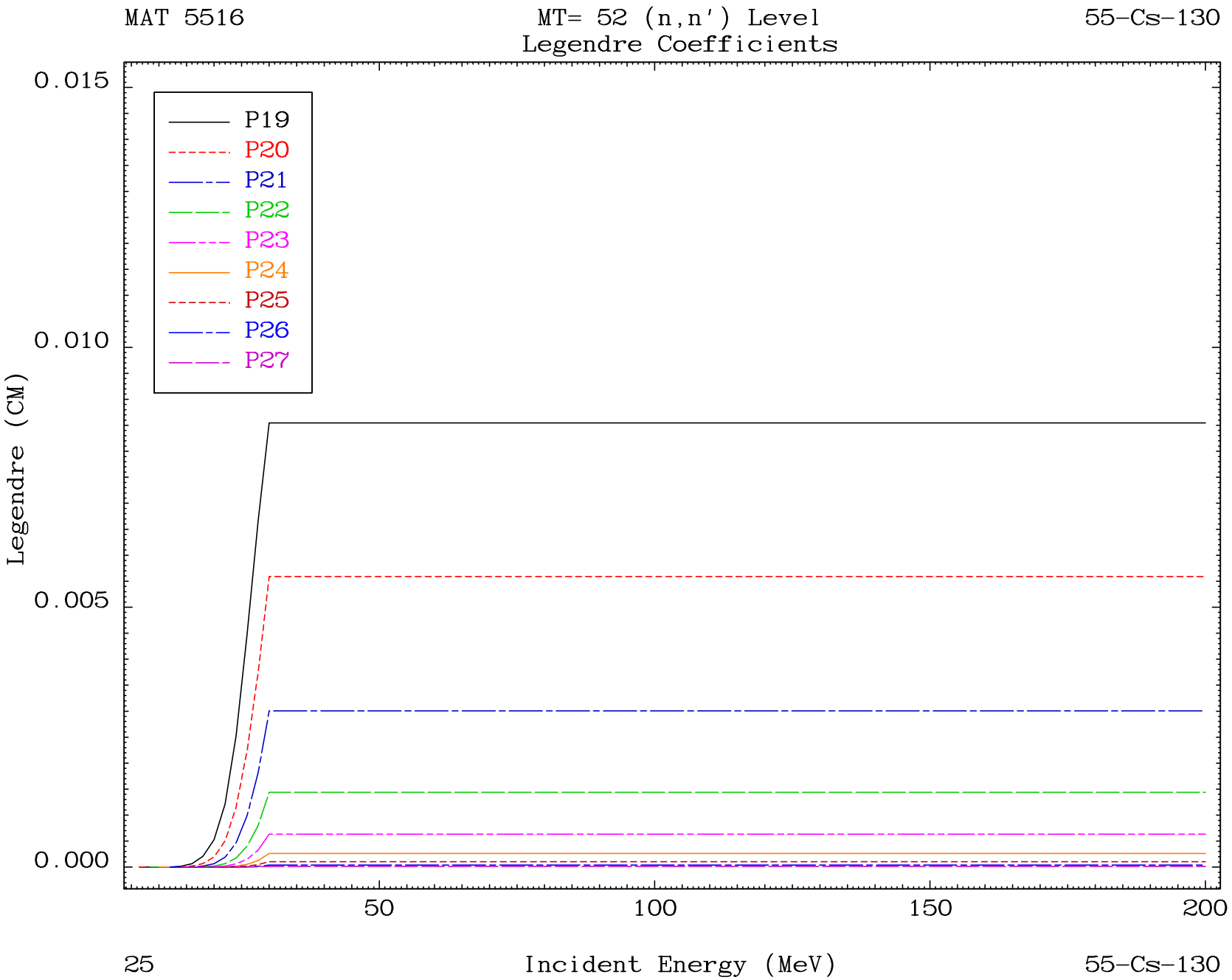

MAT 5516
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
20
Incident Energy (MeV)
55-Cs-130

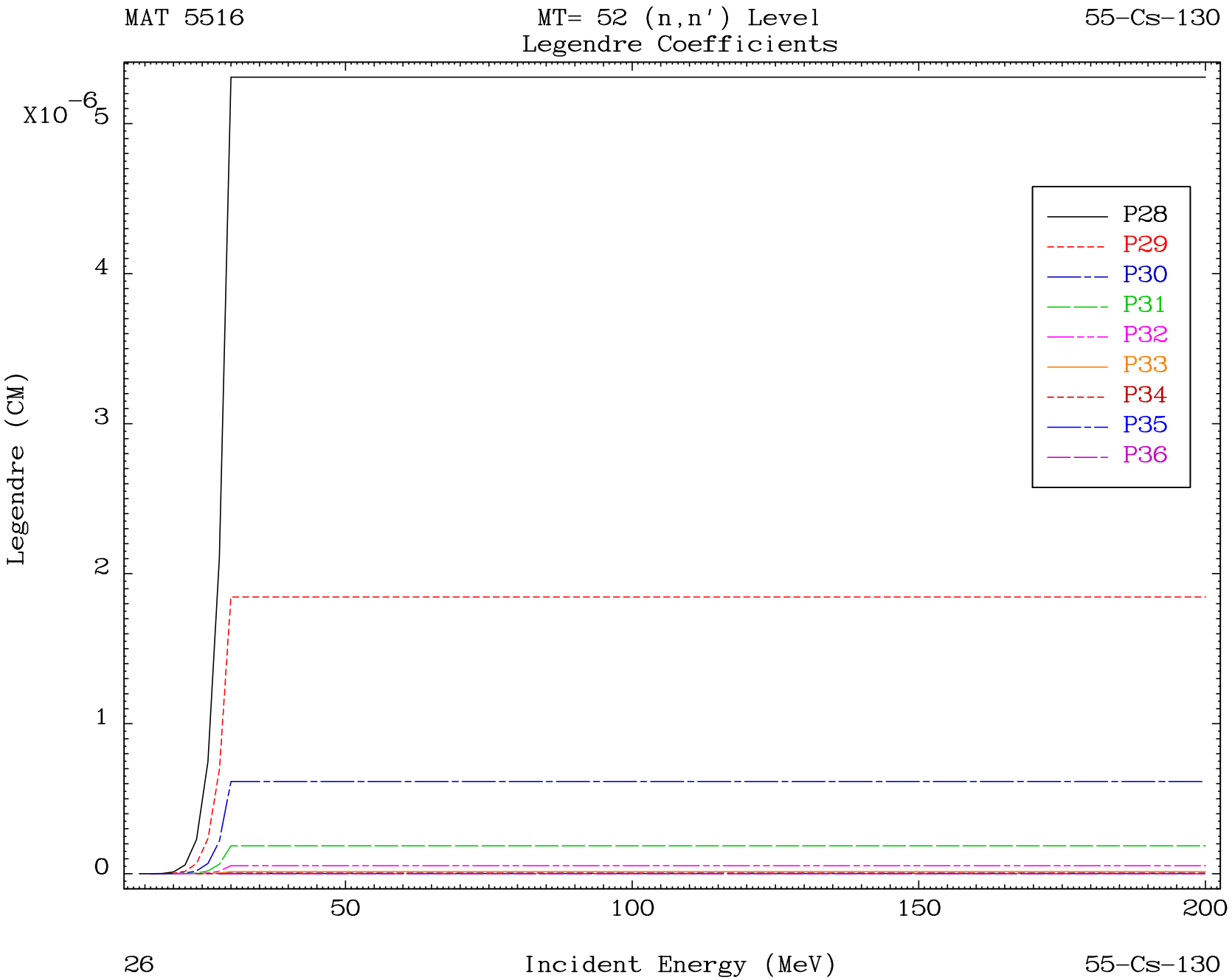

MAT 5516
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
21
Incident Energy (MeV)
55-Cs-130

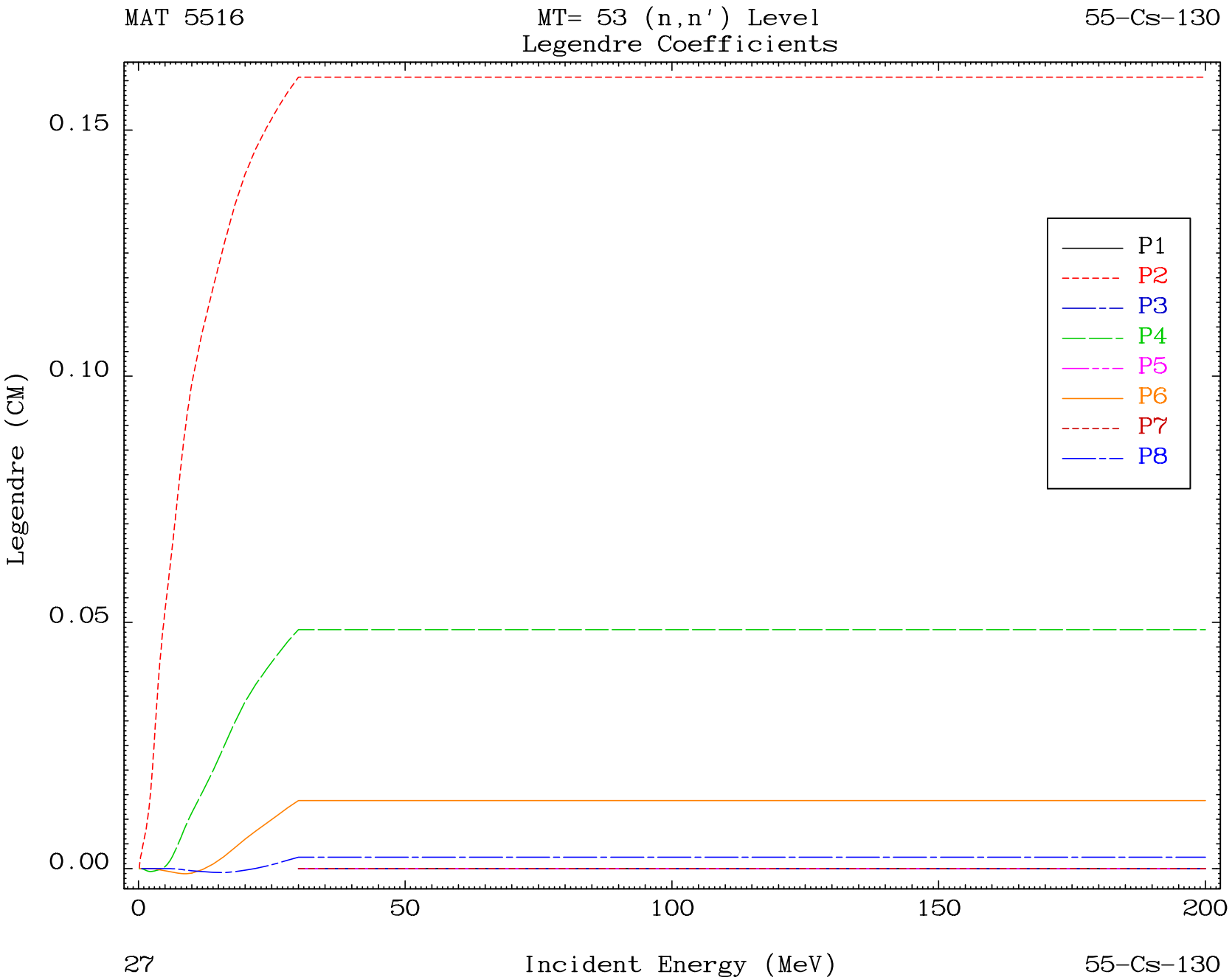

MAT 5516
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-130
X10 -6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
22
Incident Energy (MeV)
55-Cs-130

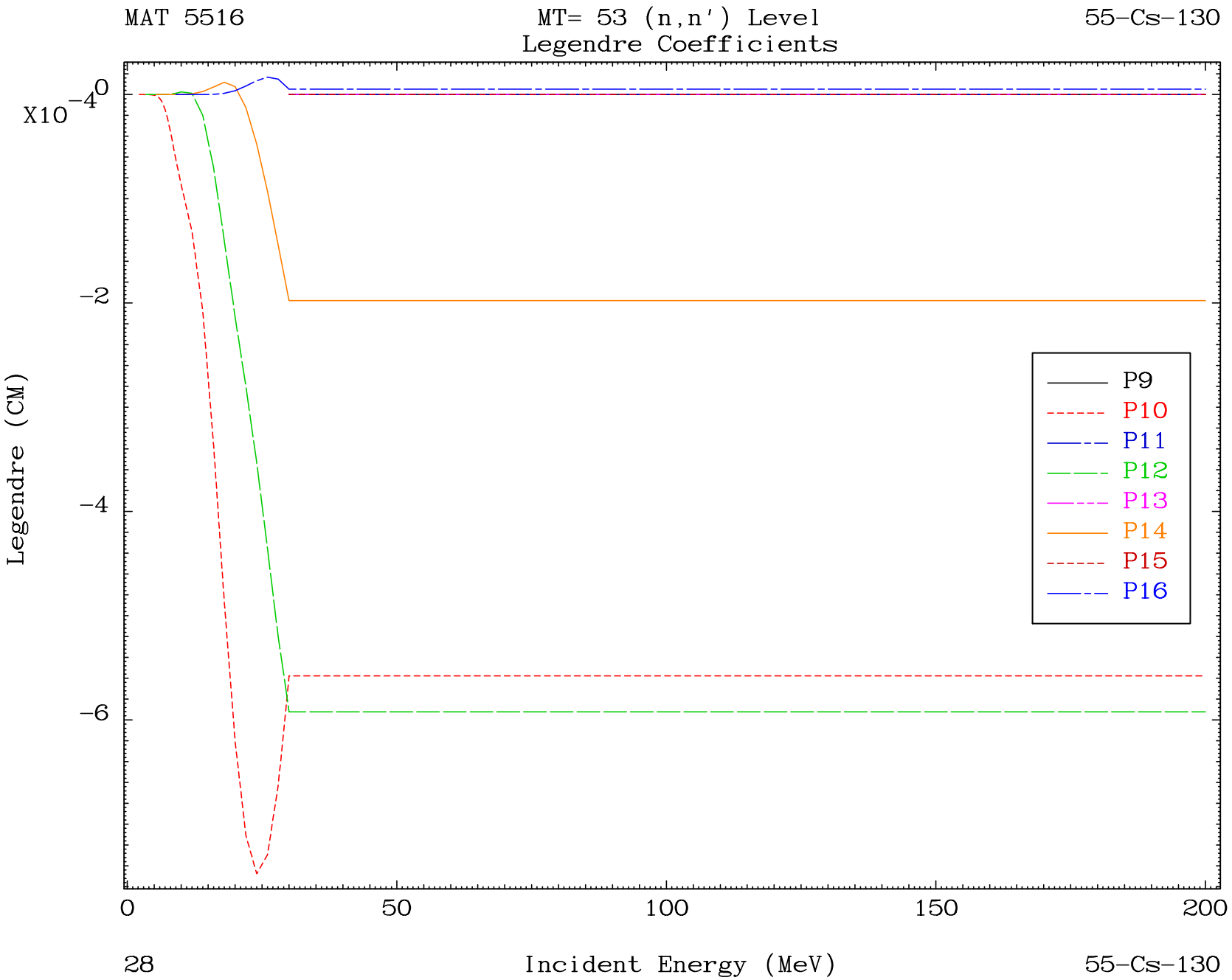

MAT 5516
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-130
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
23
Incident Energy (MeV)
55-Cs-130

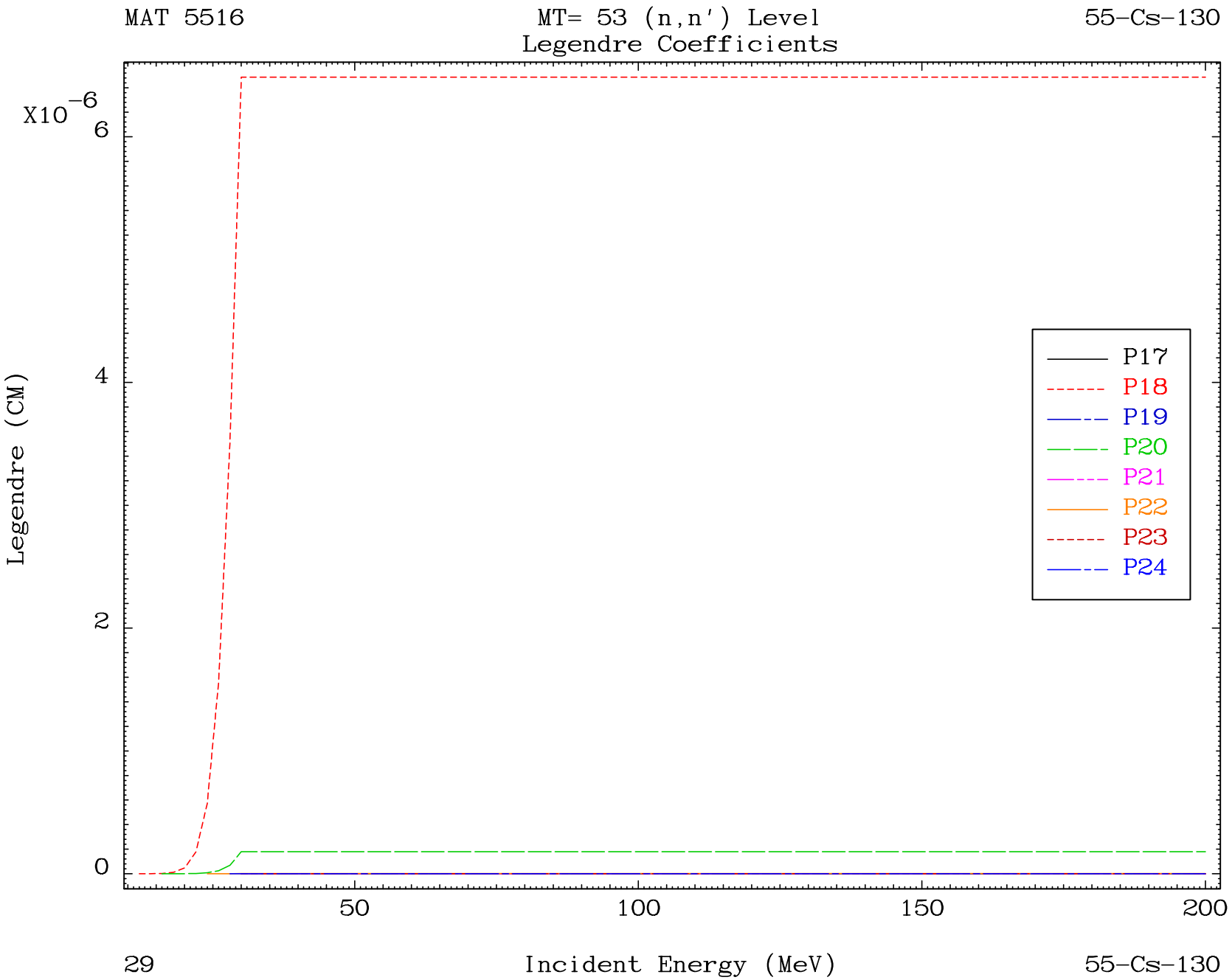

MAT 5516
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
24
Incident Energy (MeV)
55-Cs-130

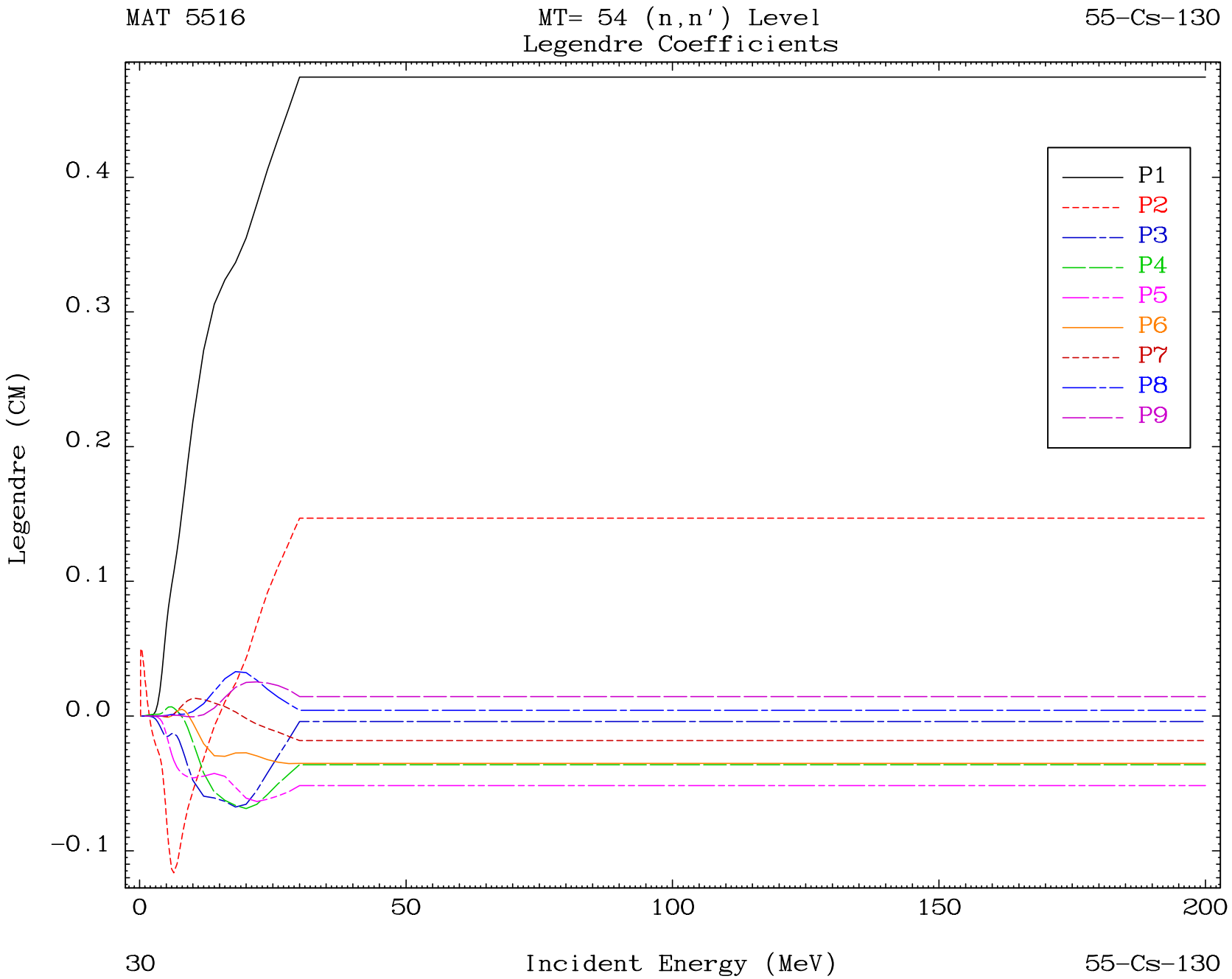

MAT 5516
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
25
Incident Energy (MeV)
55-Cs-130

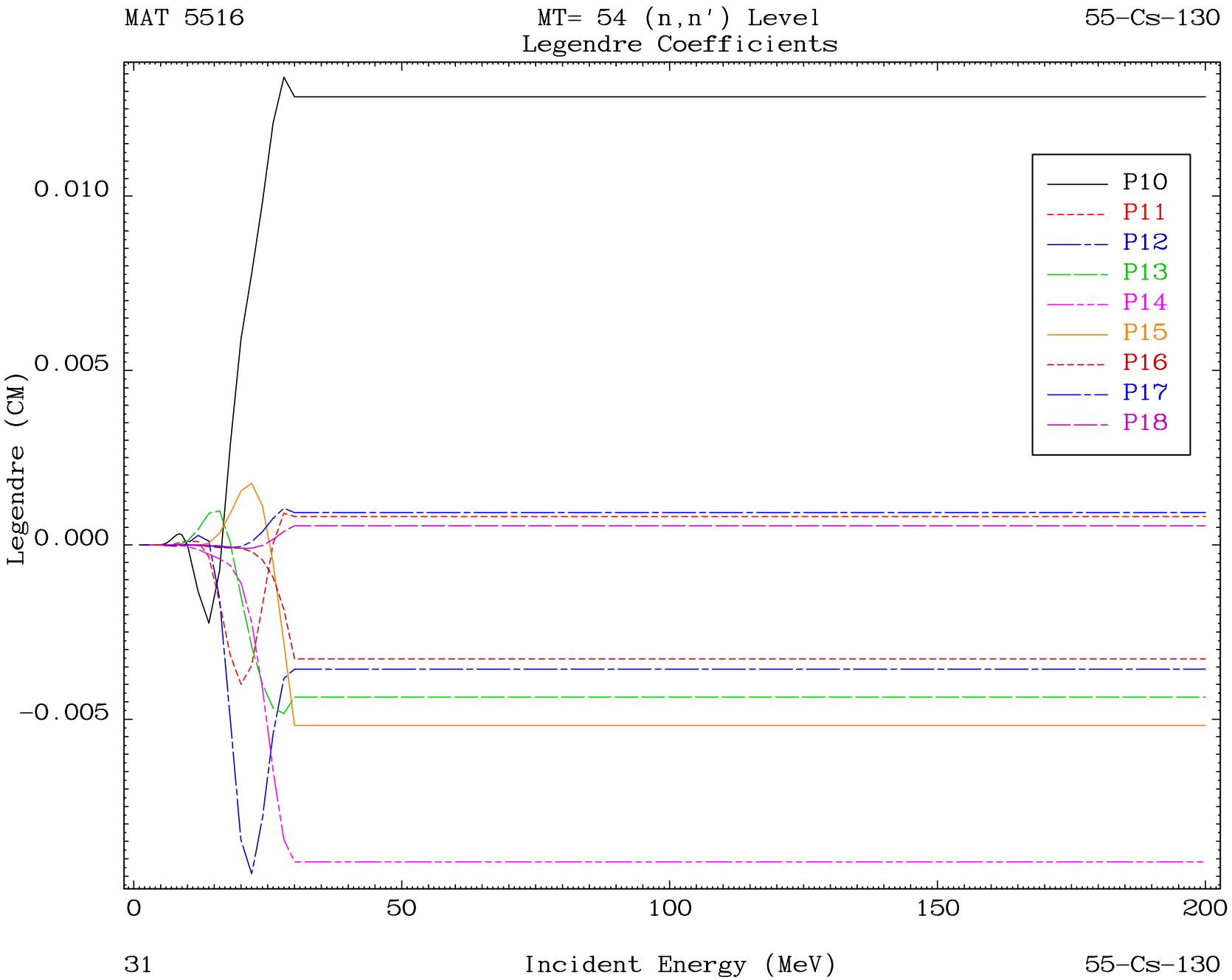

MAT 5516
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-130
X10 -6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
26
Incident Energy (MeV)
55-Cs-130

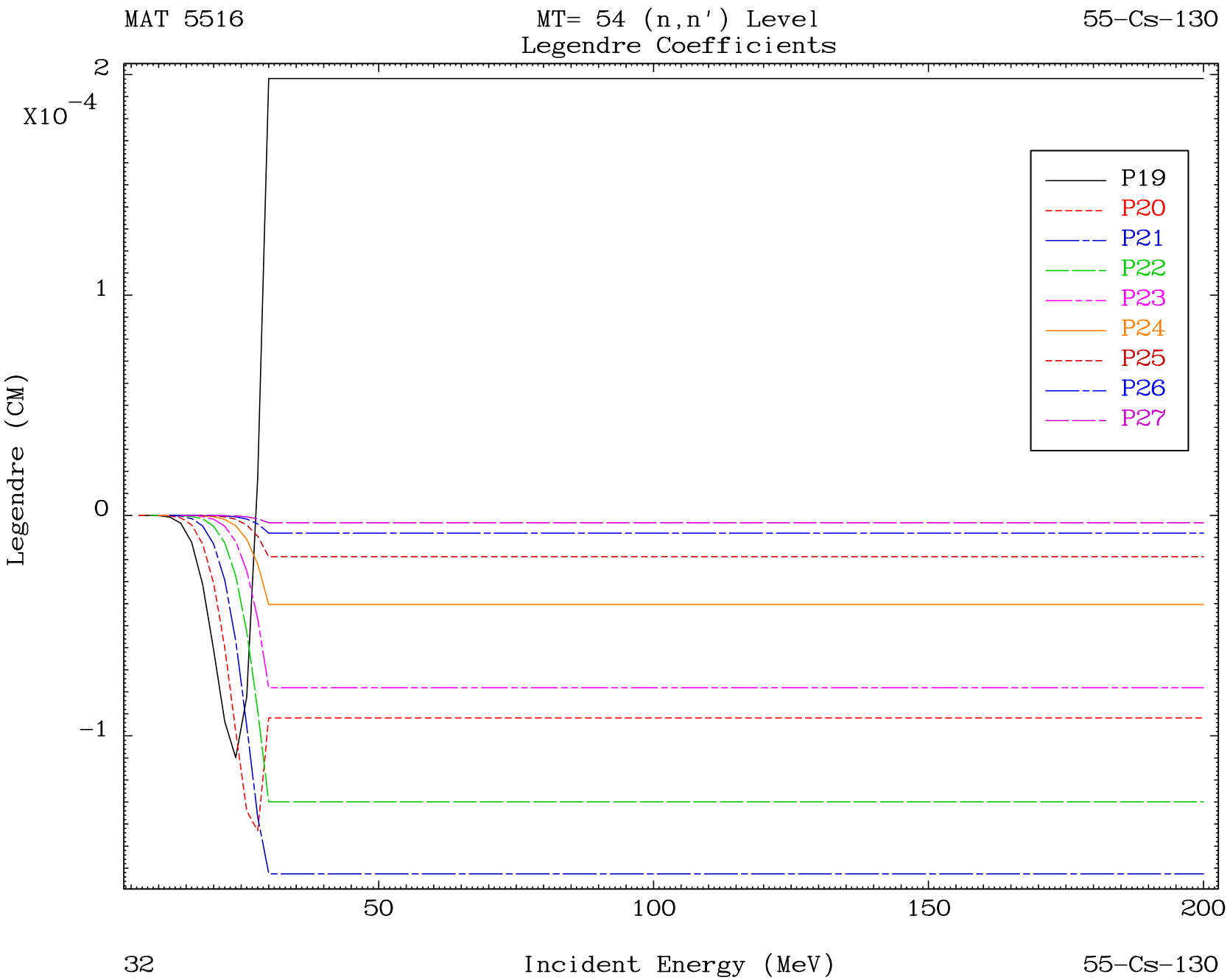

MAT 5516
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-130
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
27
Incident Energy (MeV)
55-Cs-130

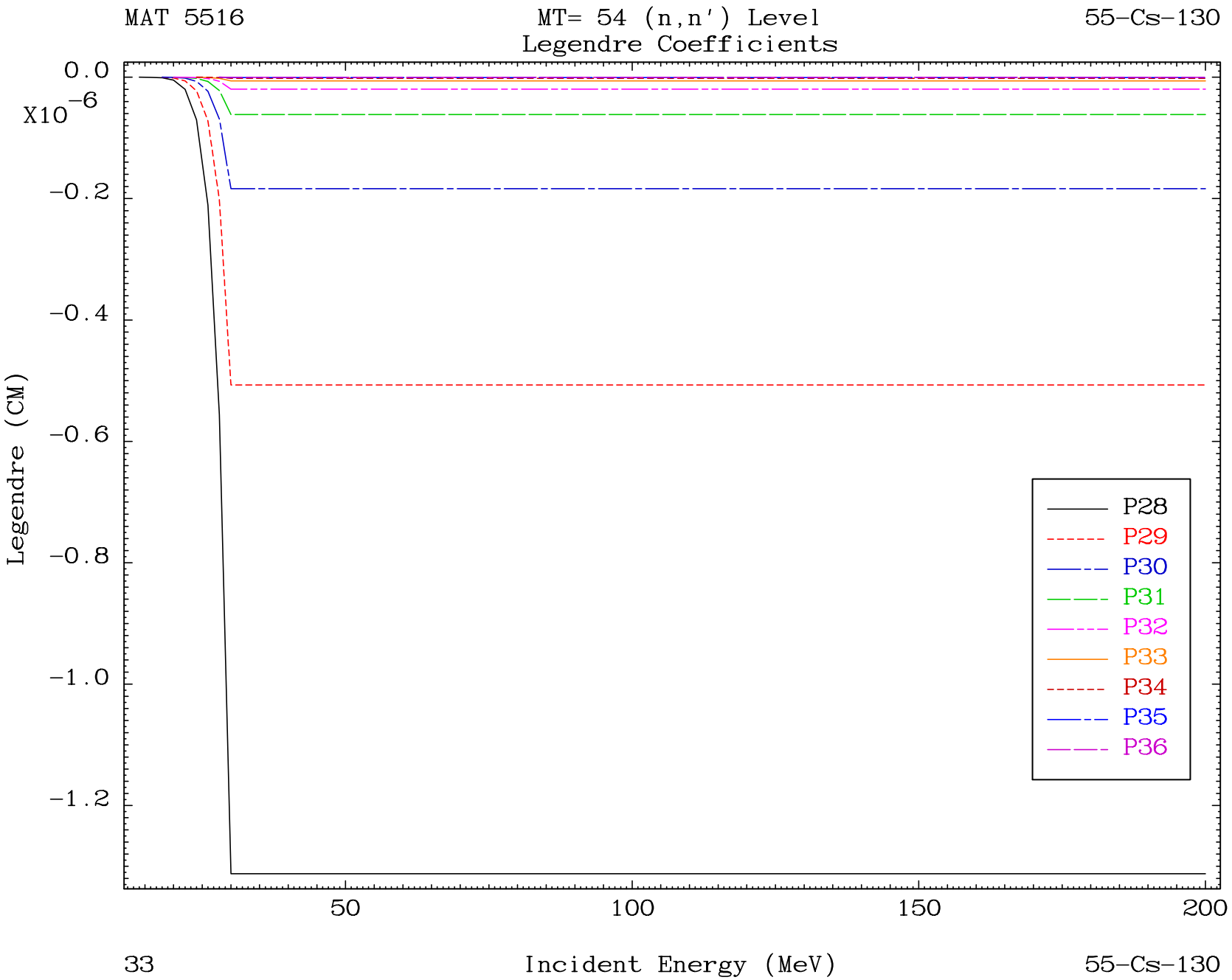

MAT 5516
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
28
Incident Energy (MeV)
55-Cs-130

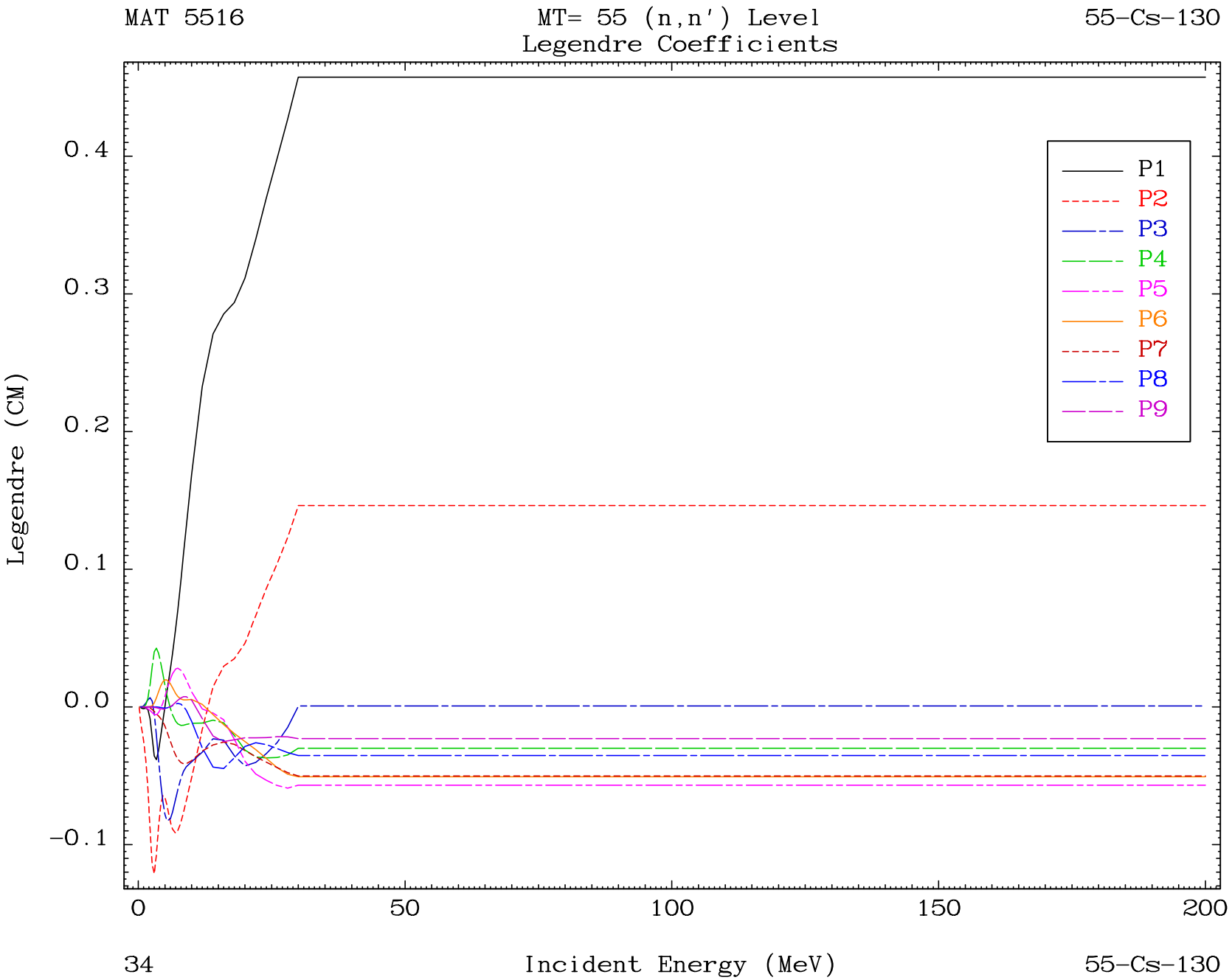

MAT 5516
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-130
X10 −6
6
4
2
0
Legendre (CM)
50
100
150
200
29
Incident Energy (MeV)
55-Cs-130
P17
P18
P19
P20
P21
P22
P23
P24

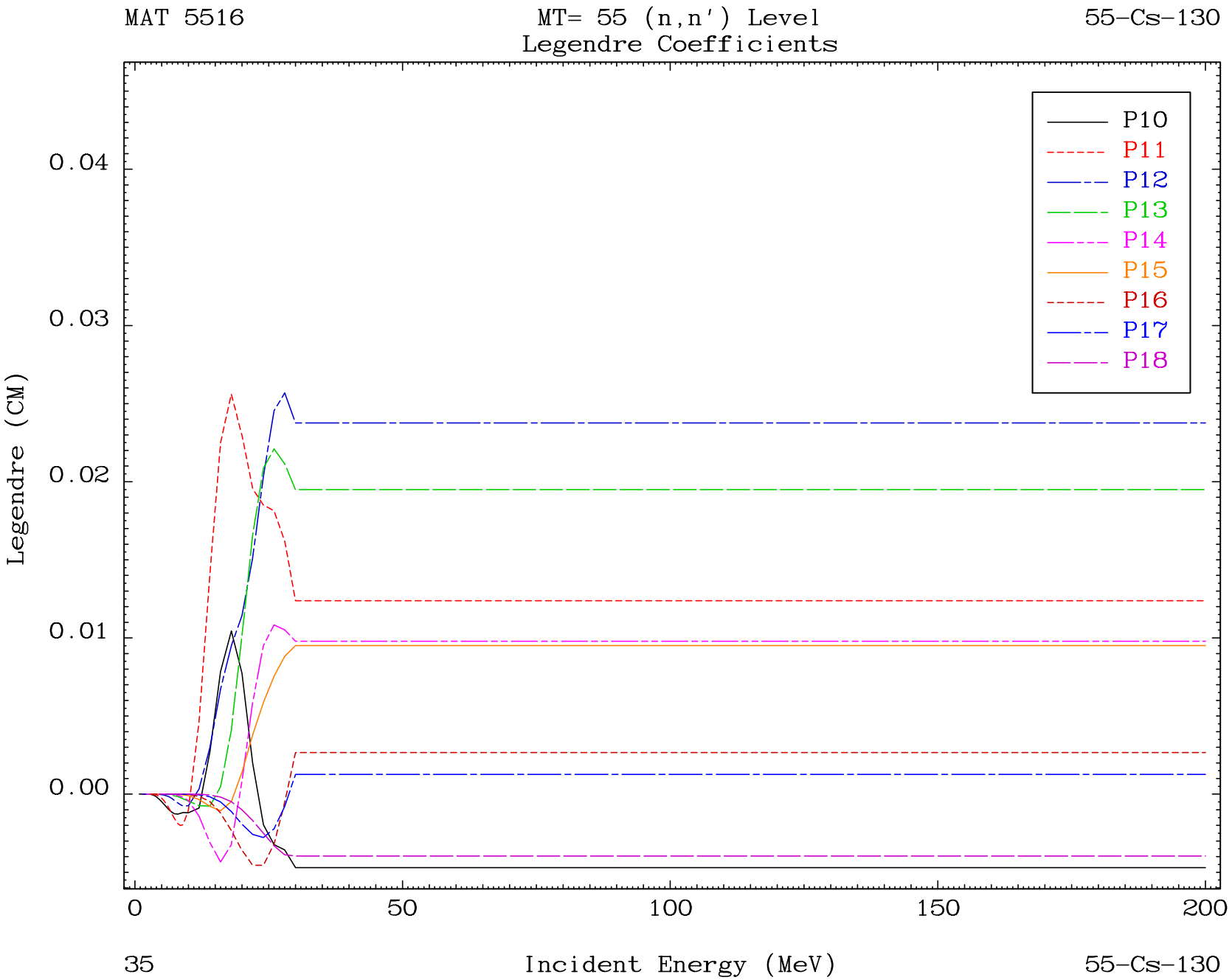

MAT 5516
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
30
Incident Energy (MeV)
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

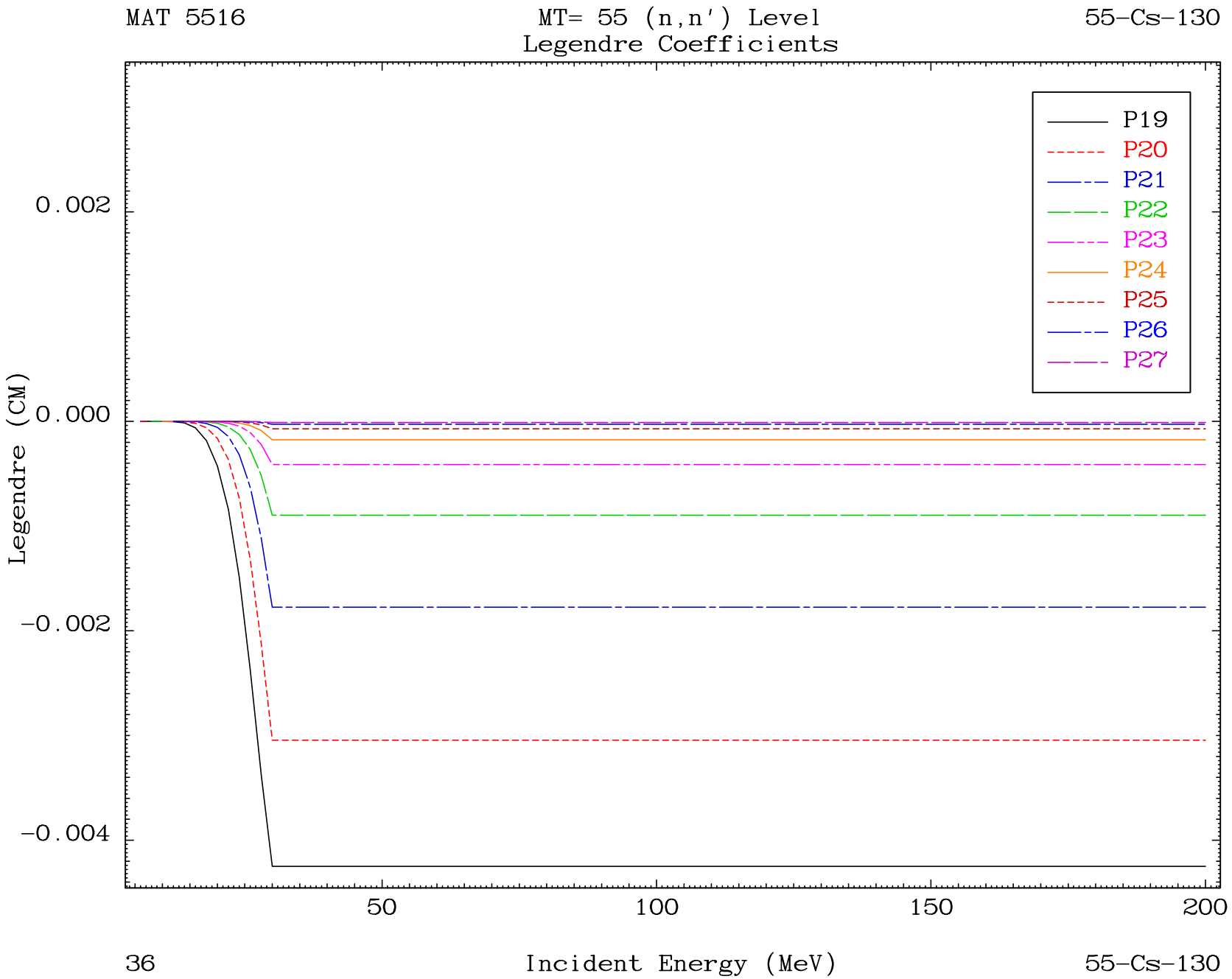

MAT 5516
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-130
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
31
Incident Energy (MeV)
55-Cs-130

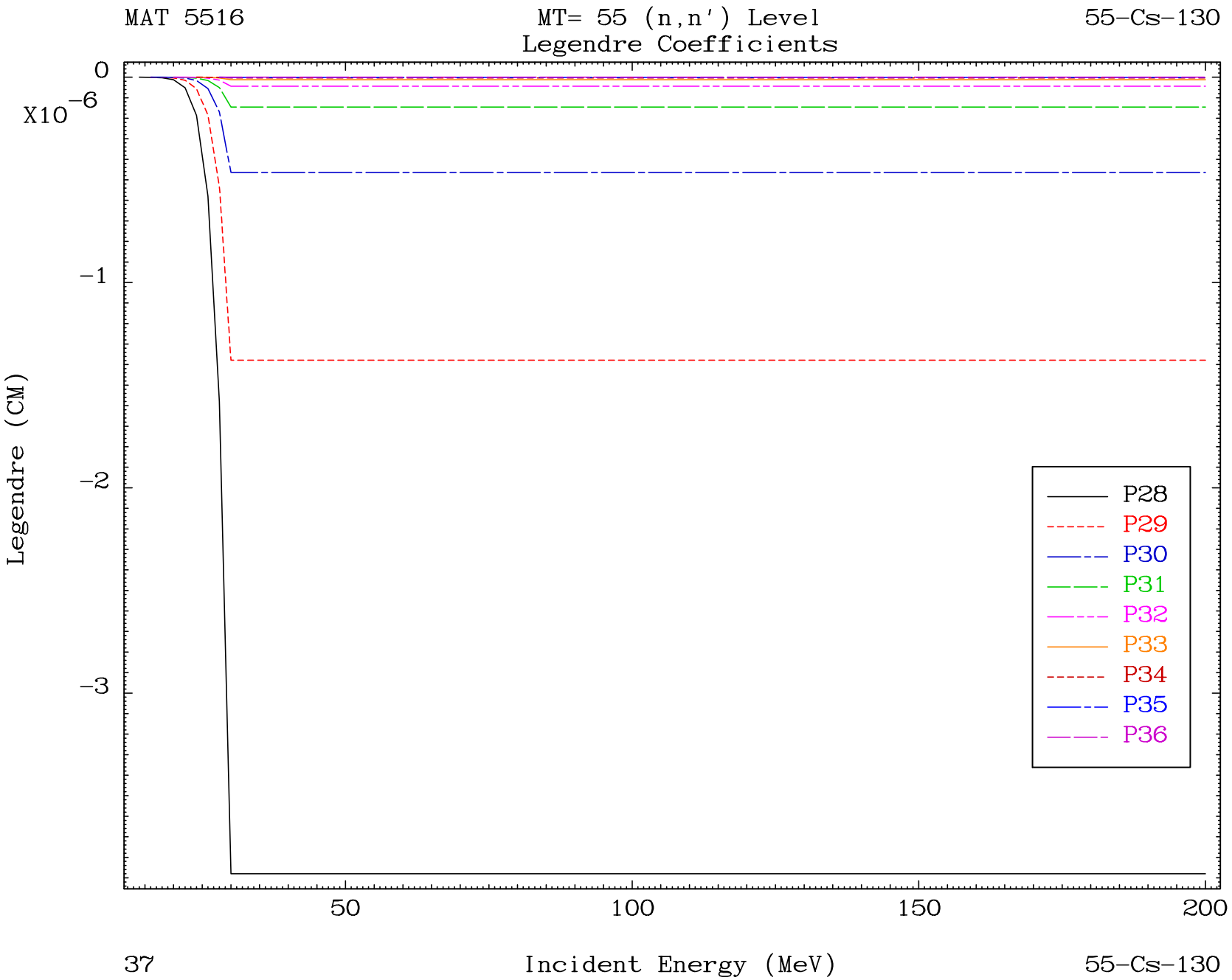

MAT 5516
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
2
1
0
-1
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
32
Incident Energy (MeV)
55-Cs-130

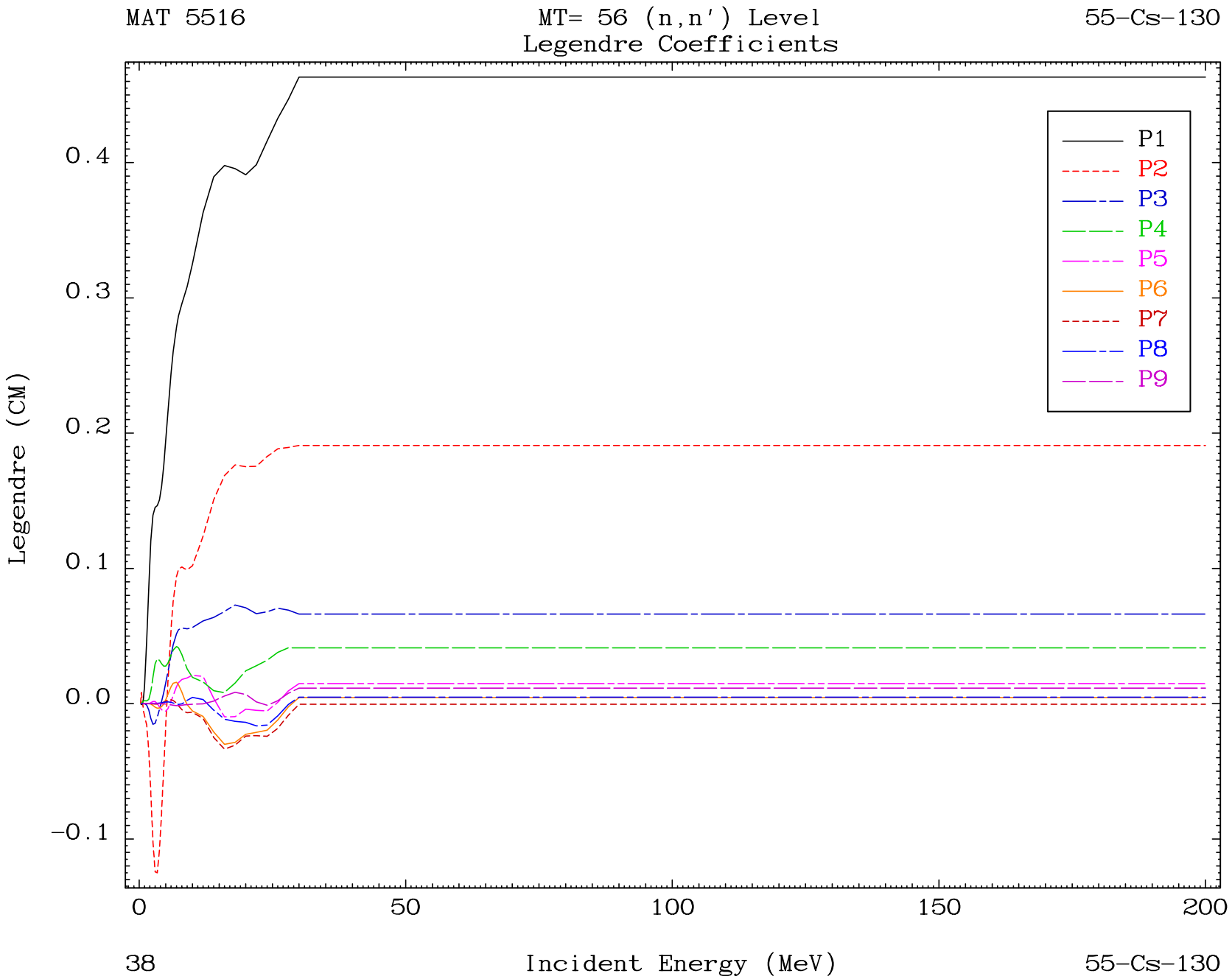

MAT 5516
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-130
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
33
Incident Energy (MeV)
55-Cs-130

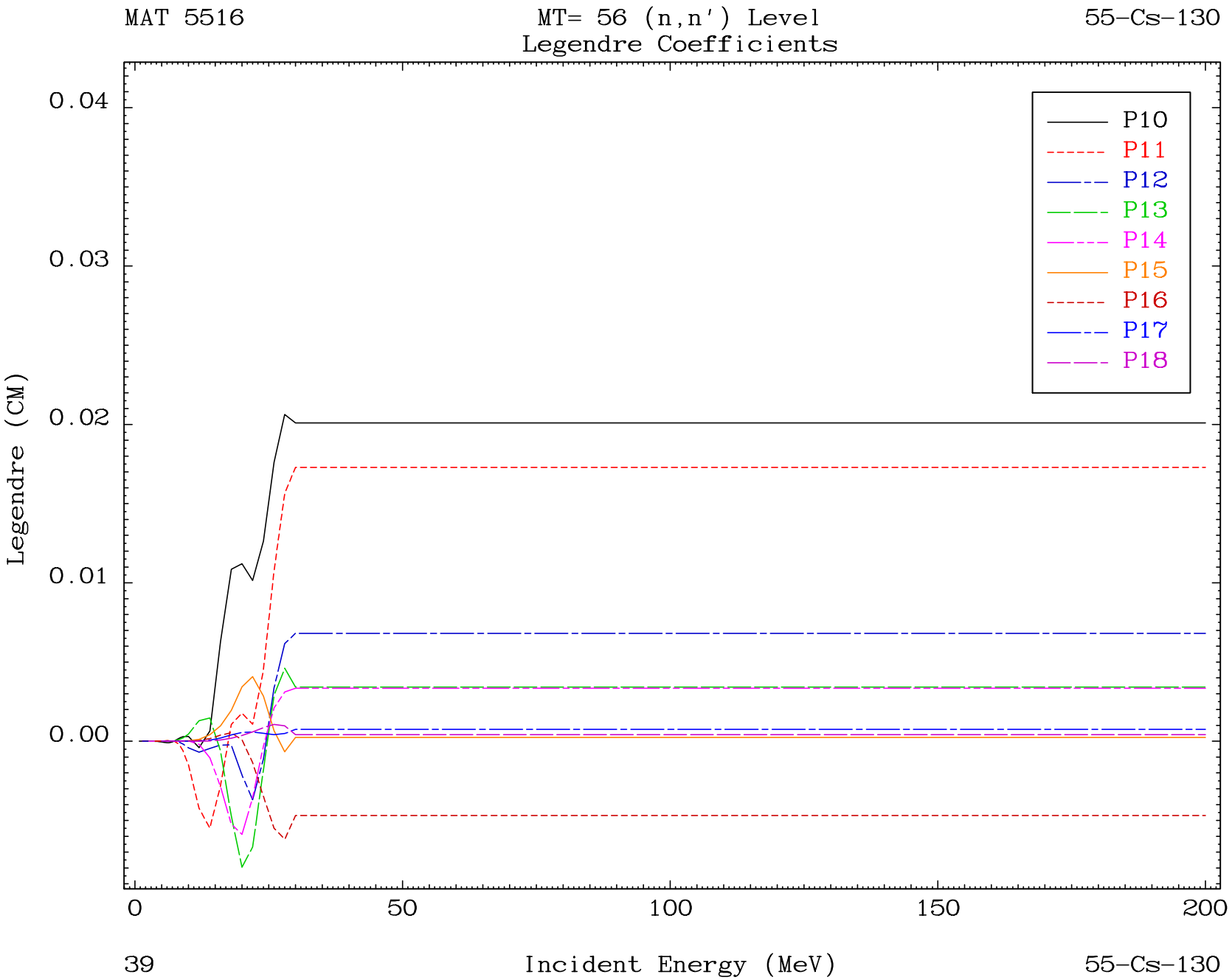

MAT 5516
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
34
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

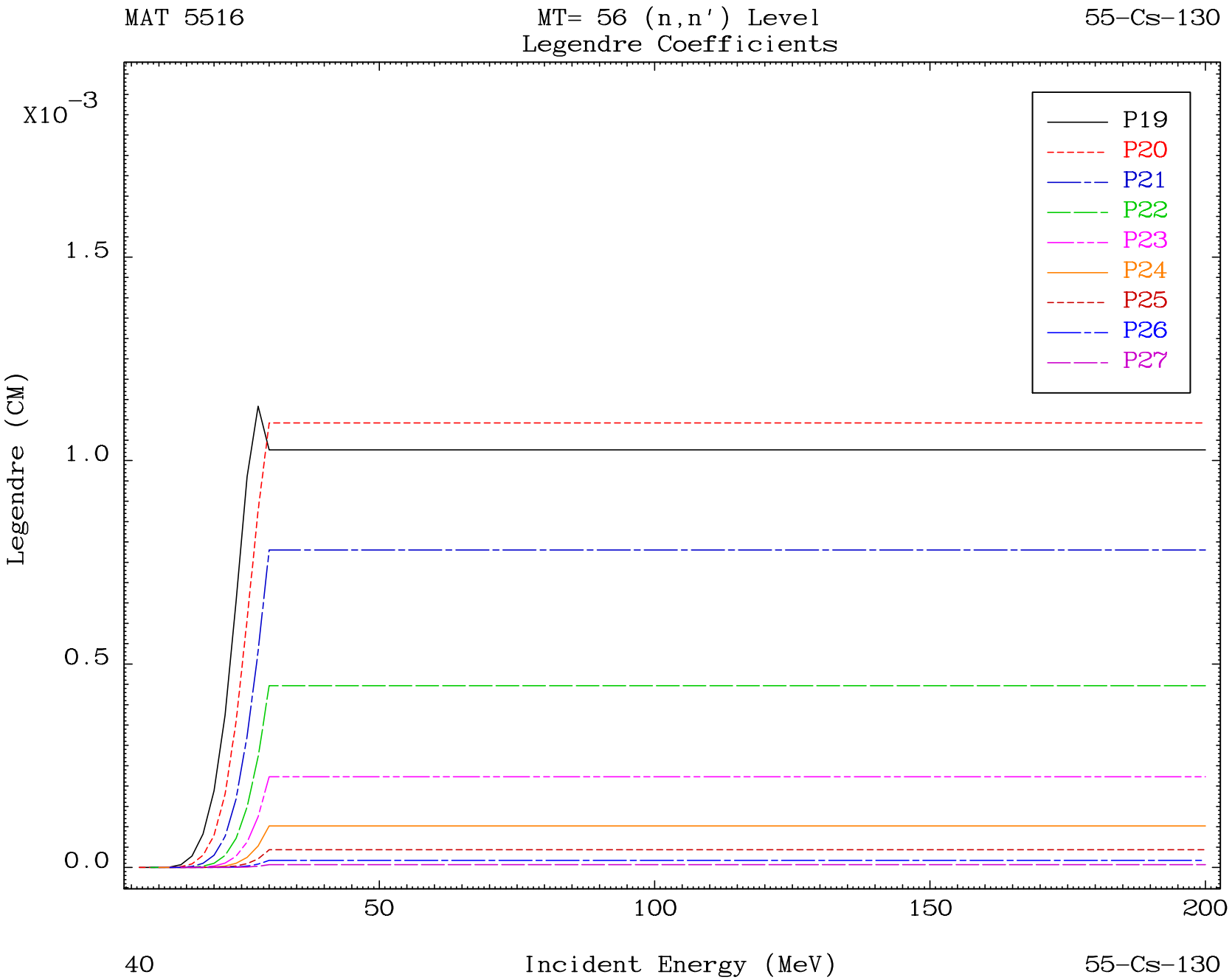

MAT 5516
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
35
Incident Energy (MeV)
55-Cs-130

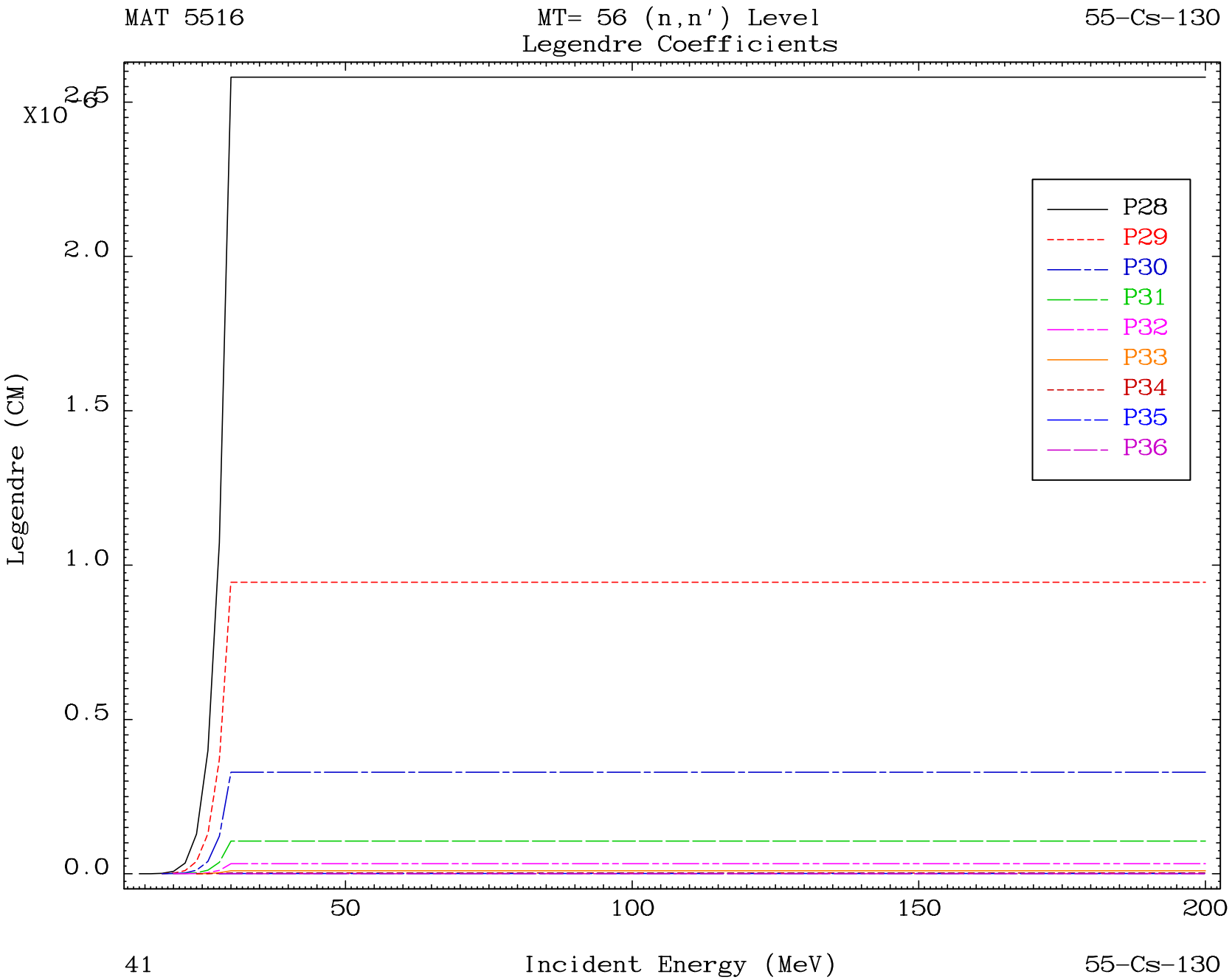

MAT 5516
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
36
Incident Energy (MeV)
55-Cs-130

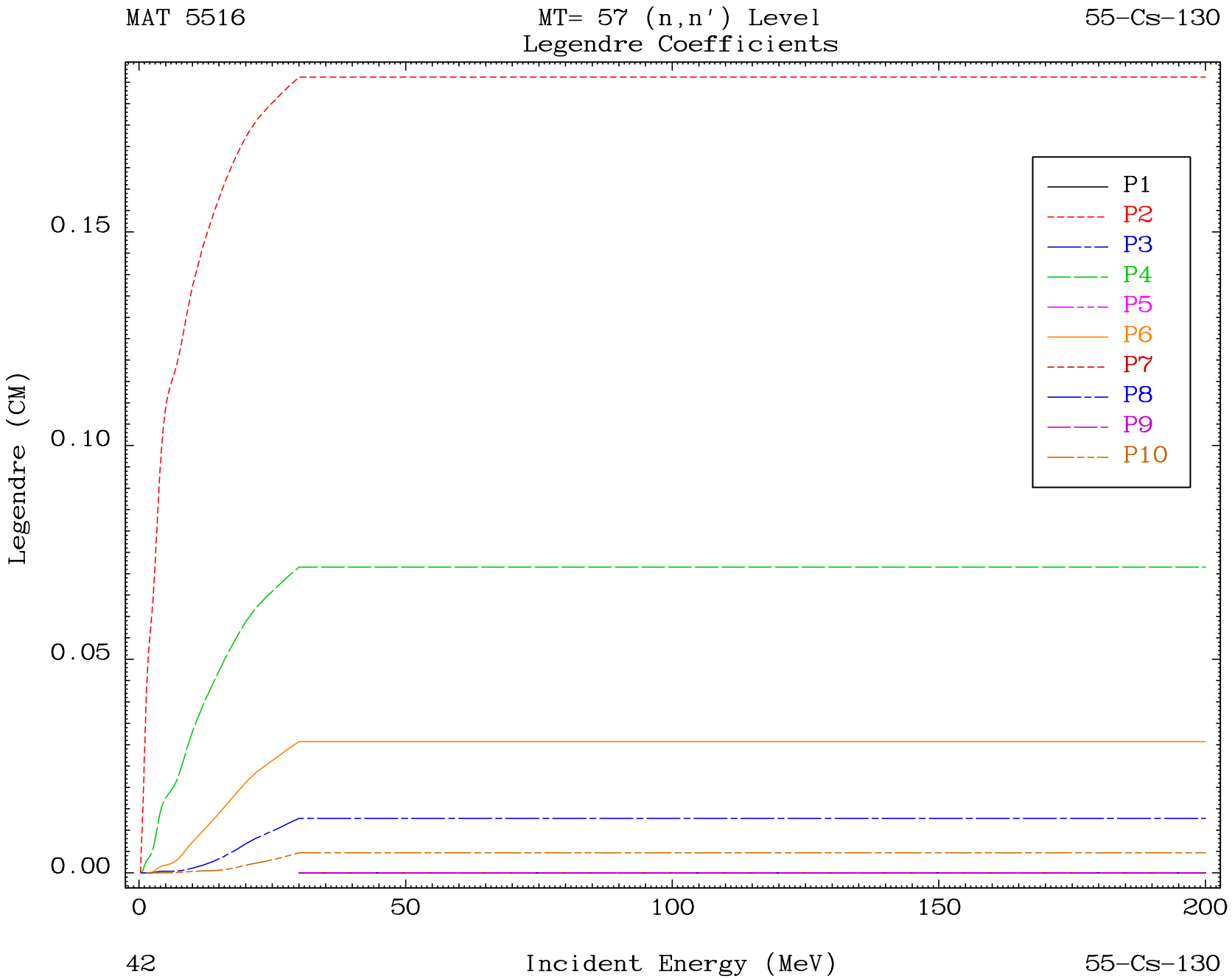

MAT 5516
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-130
0
X10 −6
−1
−2
−3
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
55-Cs-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

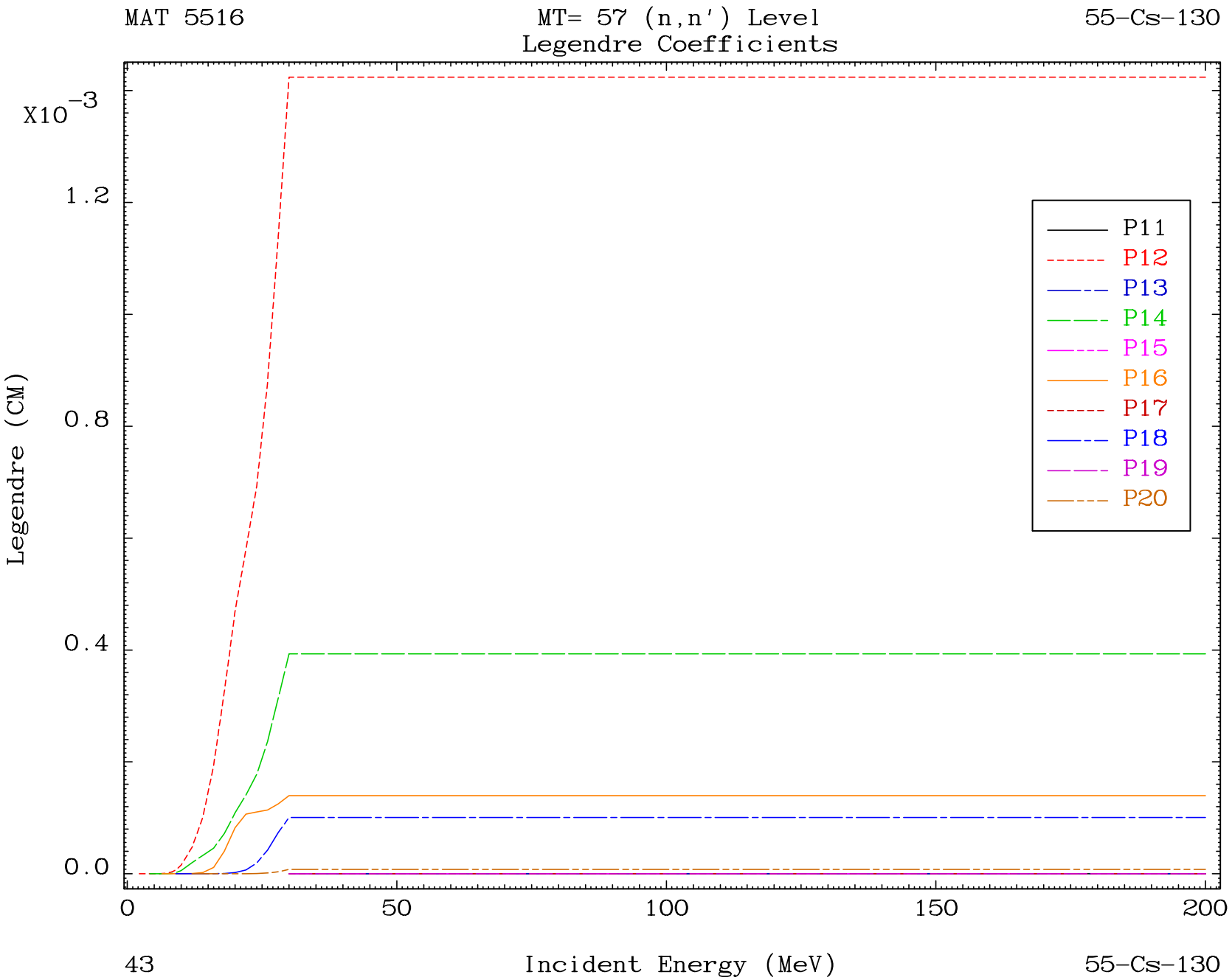

MAT 5516
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
38
Incident Energy (MeV)
55-Cs-130

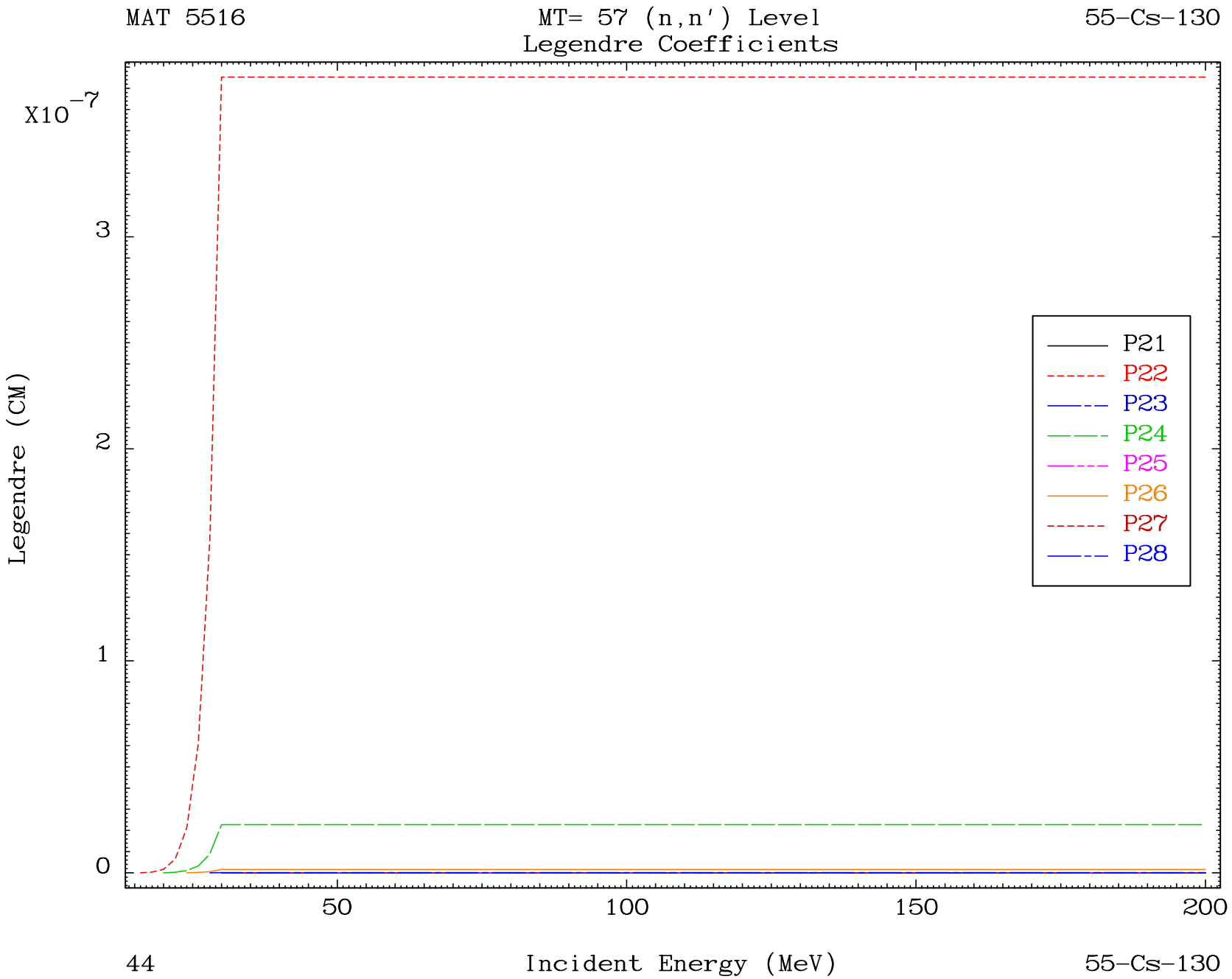

MAT 5516
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-130
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
39
Incident Energy (MeV)
55-Cs-130

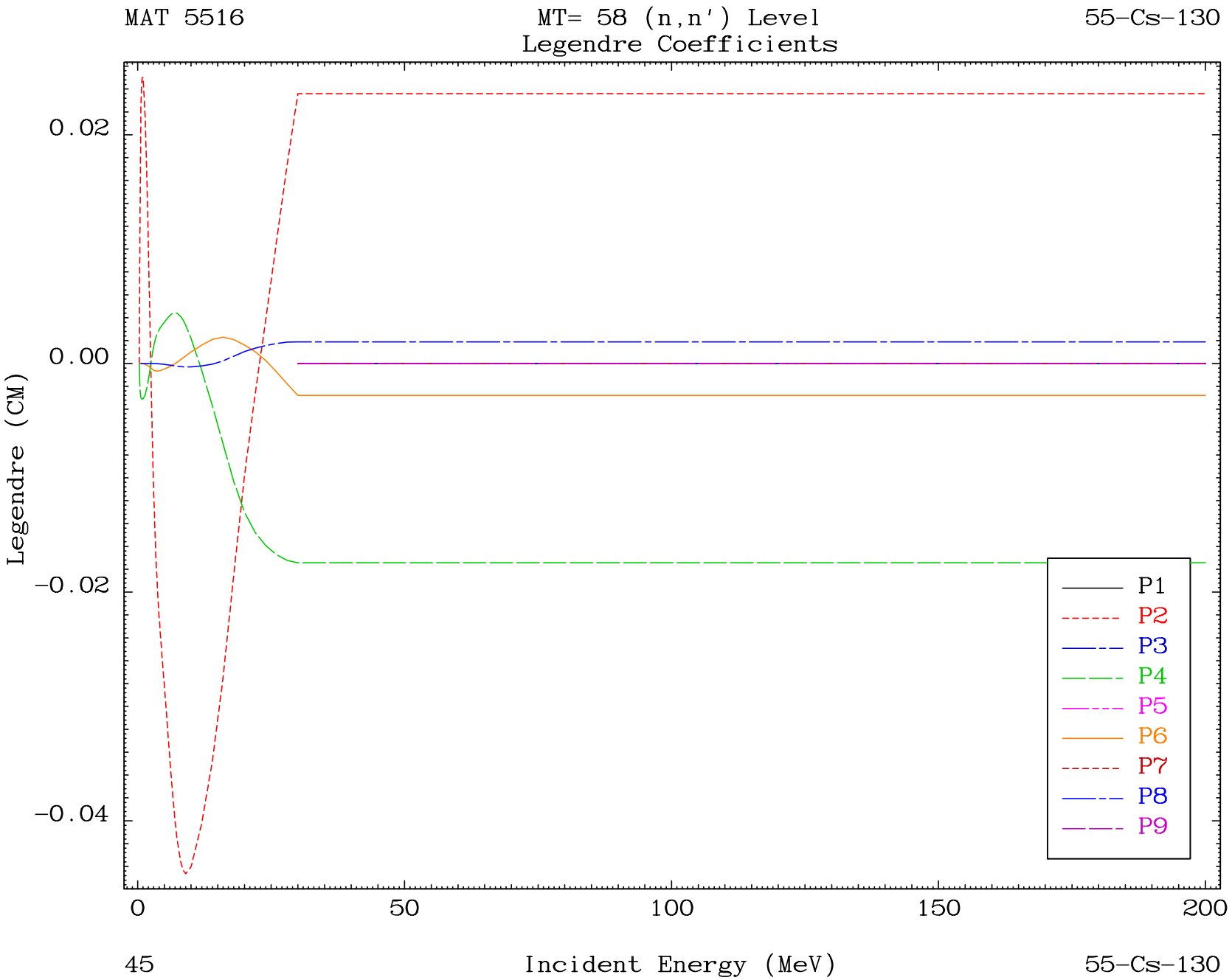

MAT 5516
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-130
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
40
Incident Energy (MeV)
55-Cs-130

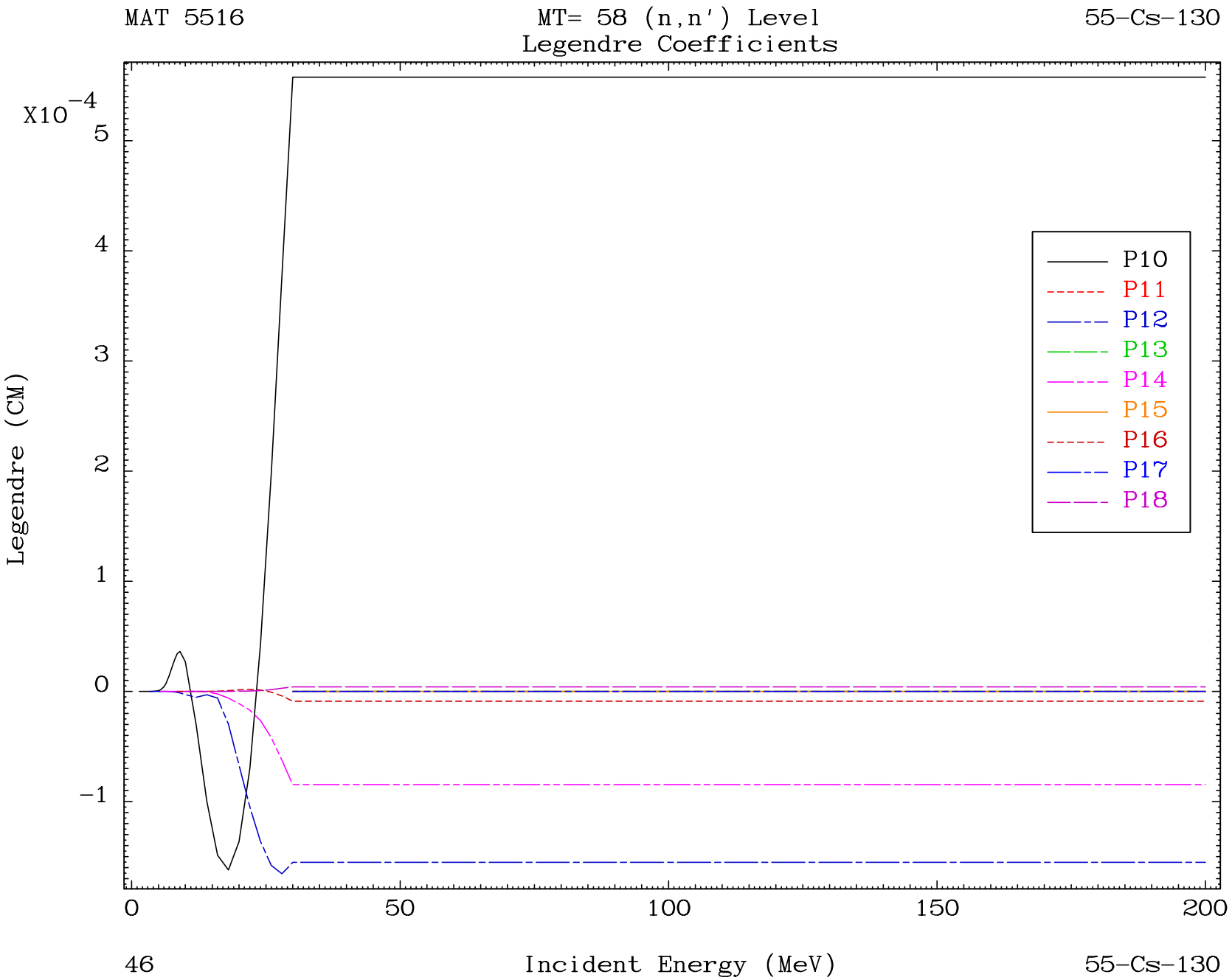

MAT 5516
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-5
2.6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
41
55-Cs-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

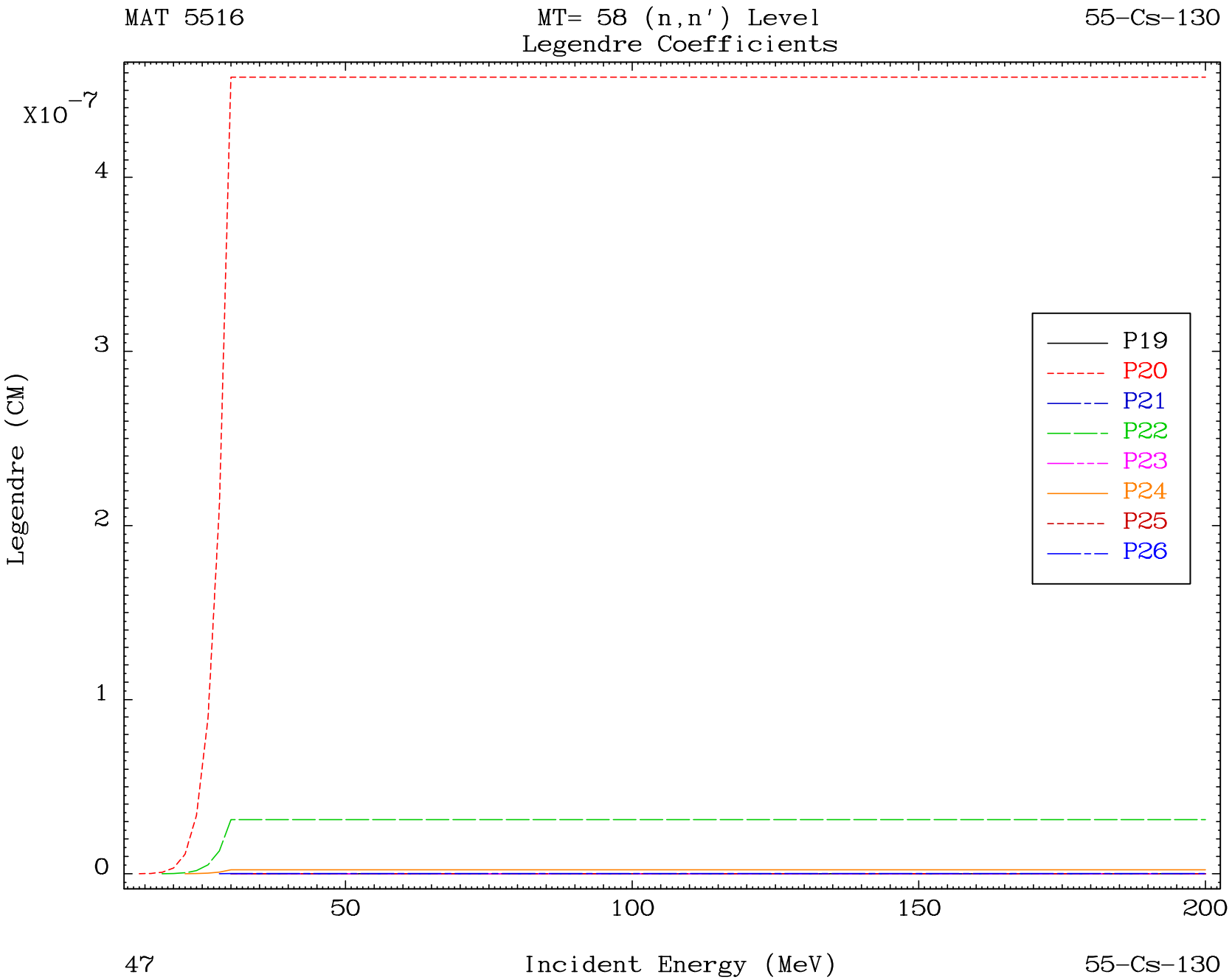

MAT 5516
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
42
Incident Energy (MeV)
55-Cs-130

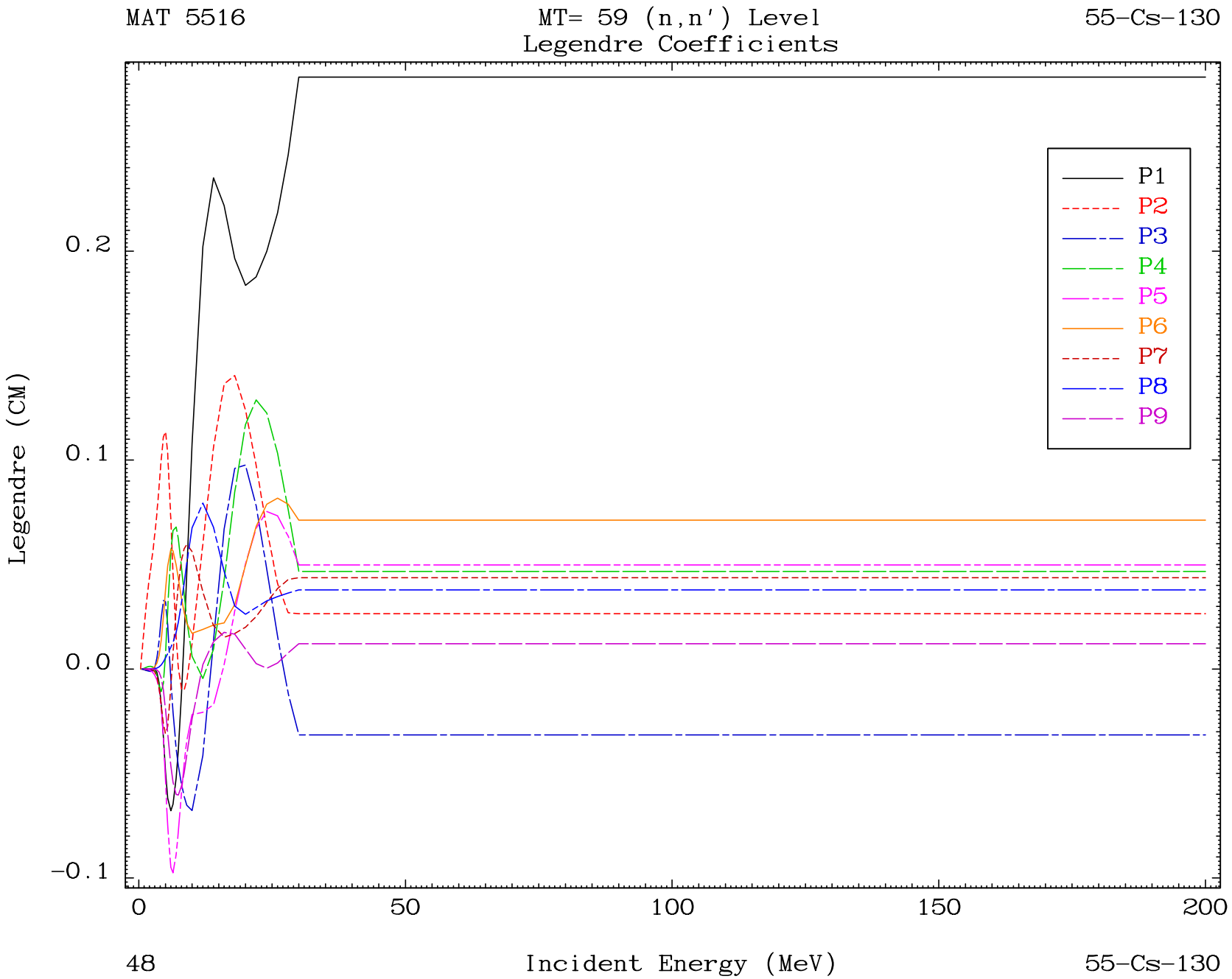

MAT 5516
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-130
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
43
Incident Energy (MeV)
55-Cs-130

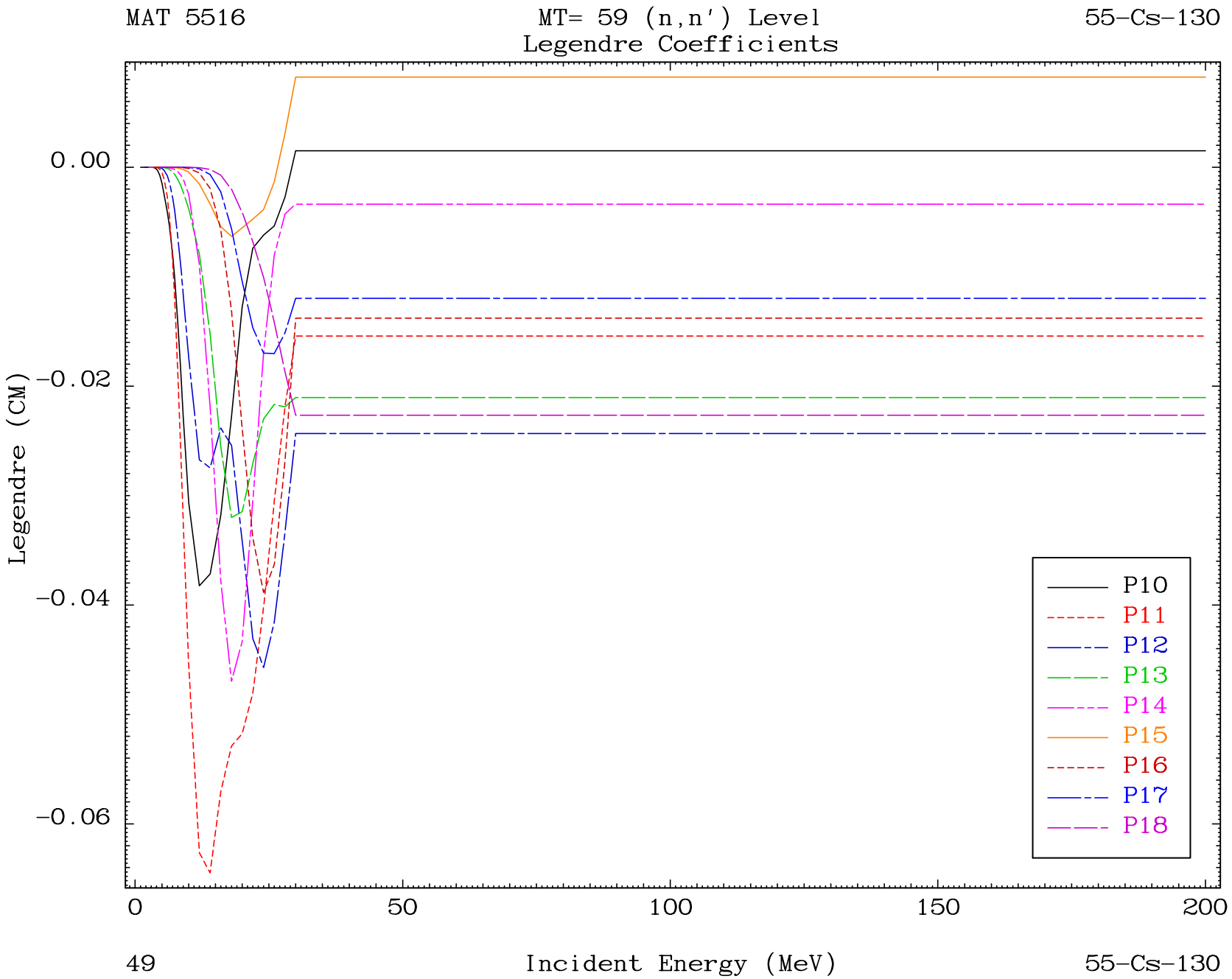

MAT 5516
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-130
X10-7
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
44
Incident Energy (MeV)
55-Cs-130

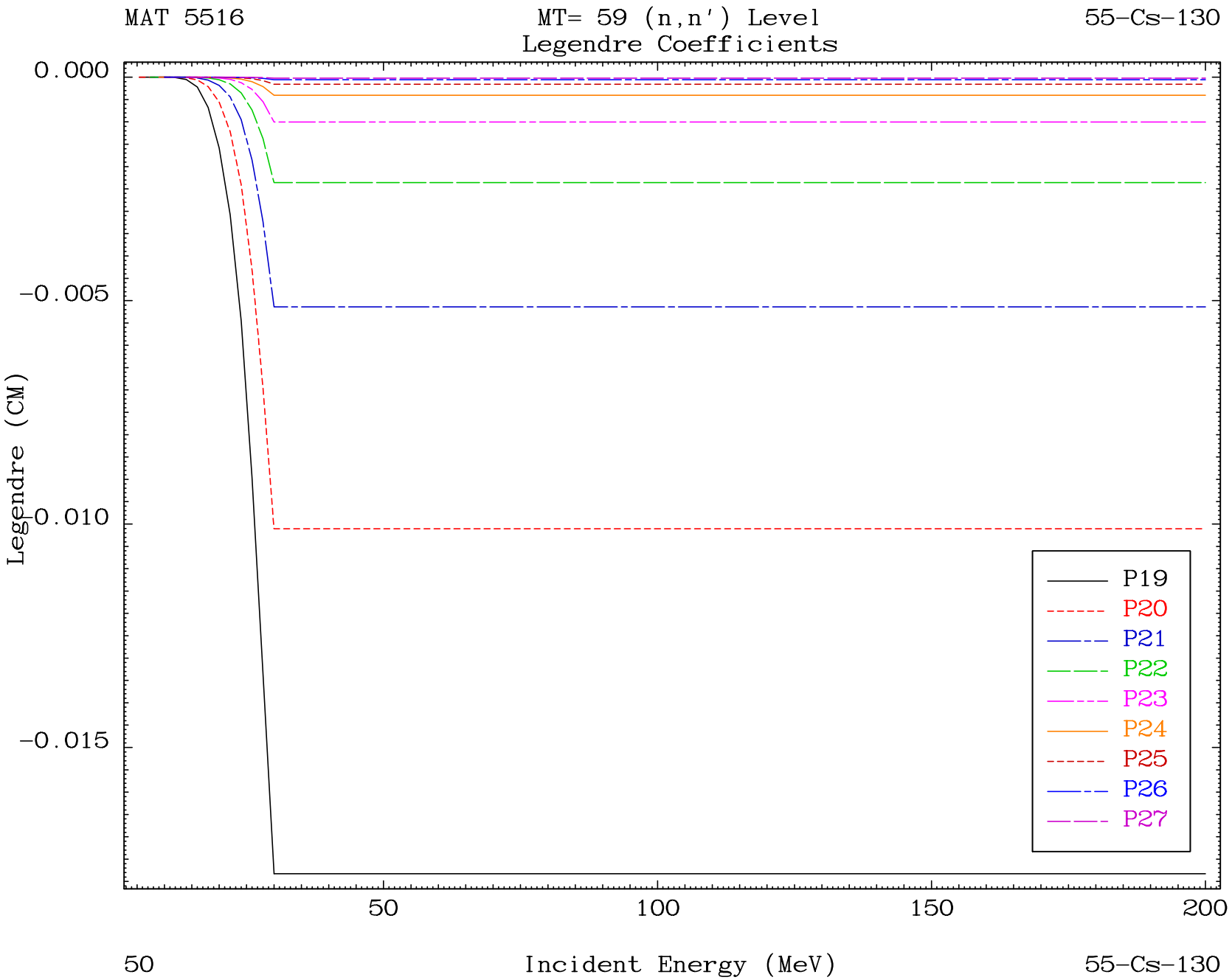

MAT 5516
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-130
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

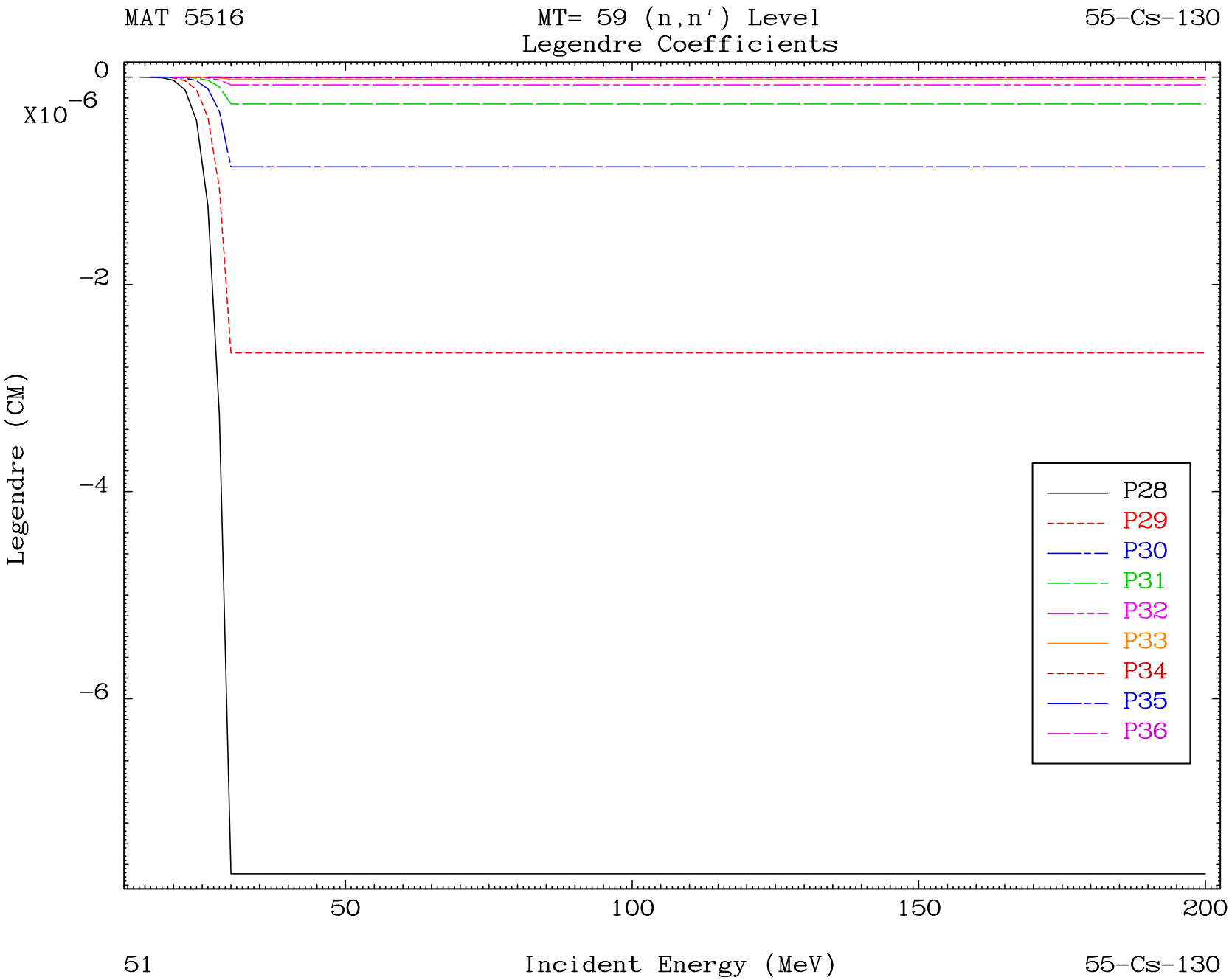

MAT 5516
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
5
4
3
2
1
0
-1
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
46
Incident Energy (MeV)
55-Cs-130

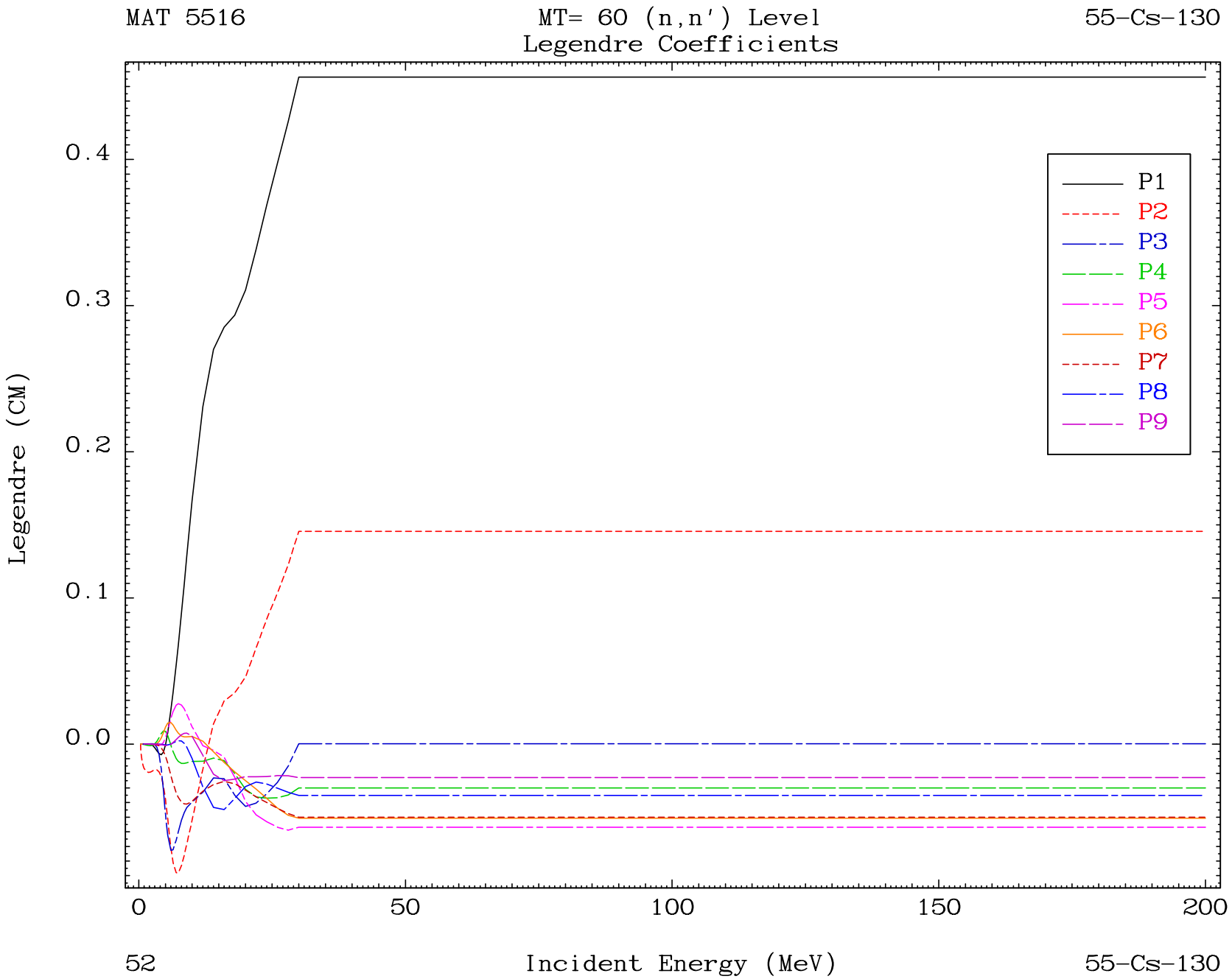

MAT 5516
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-130
X10-7
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
47
Incident Energy (MeV)
55-Cs-130

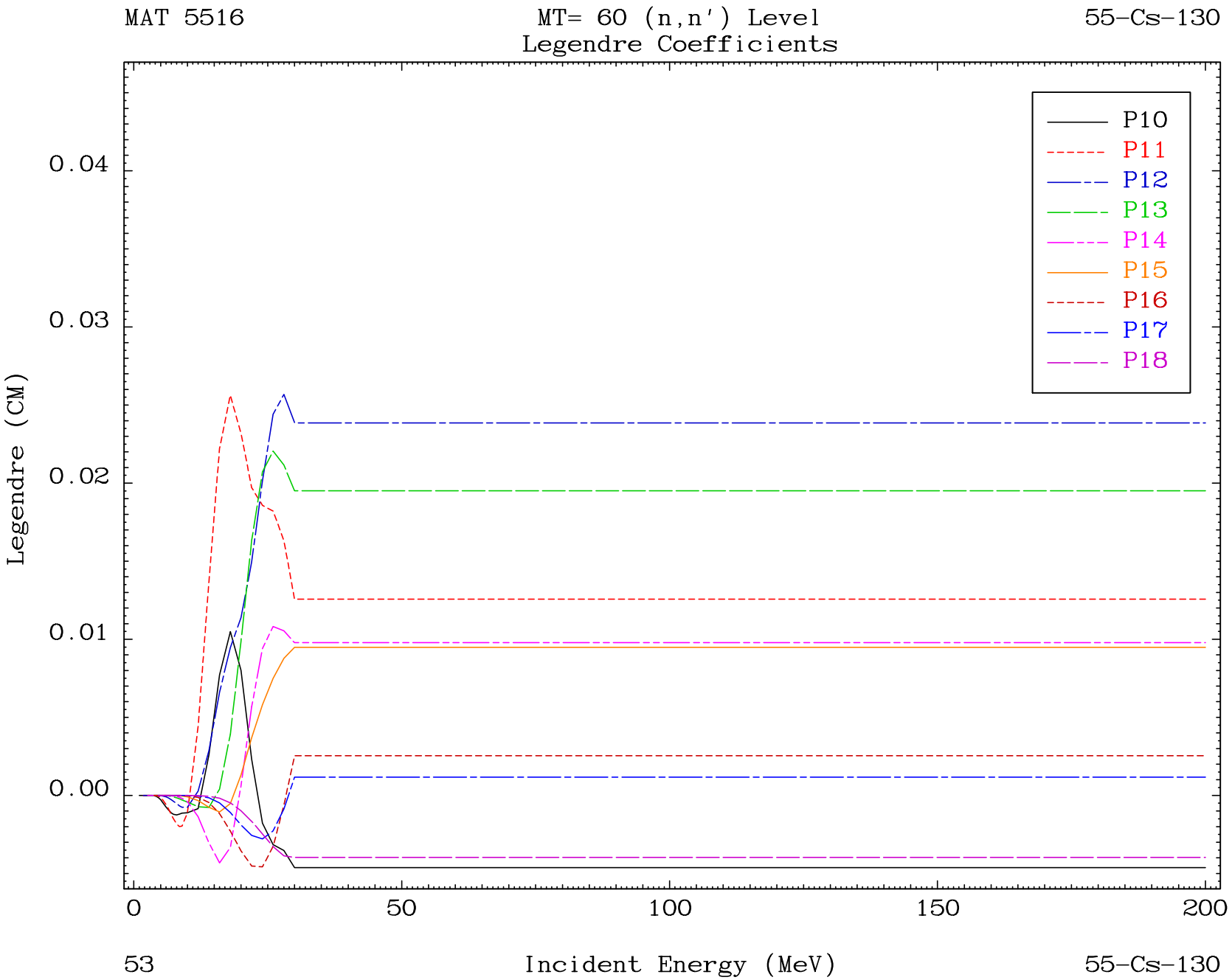

MAT 5516
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
48
Incident Energy (MeV)
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

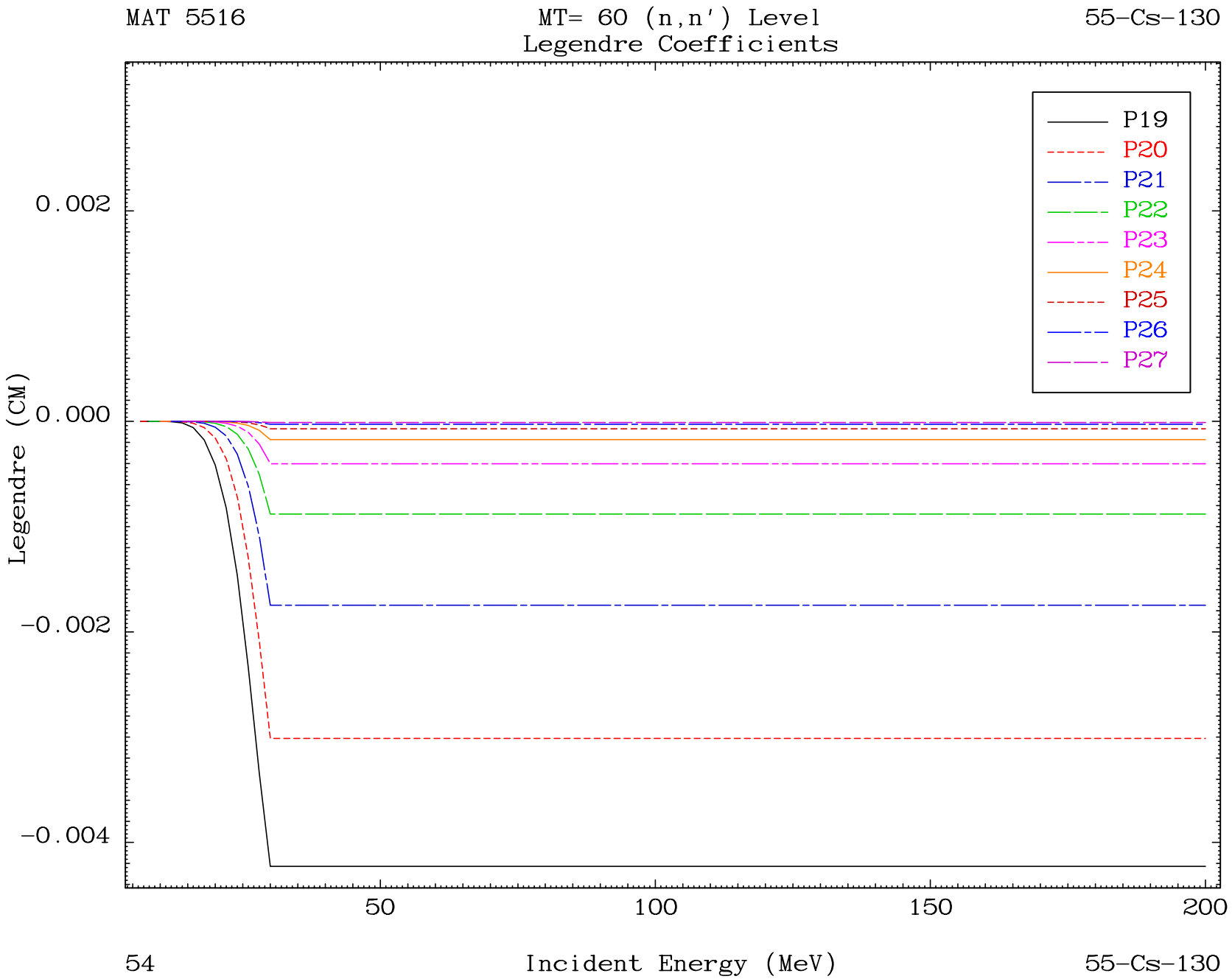

MAT 5516
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-130
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18

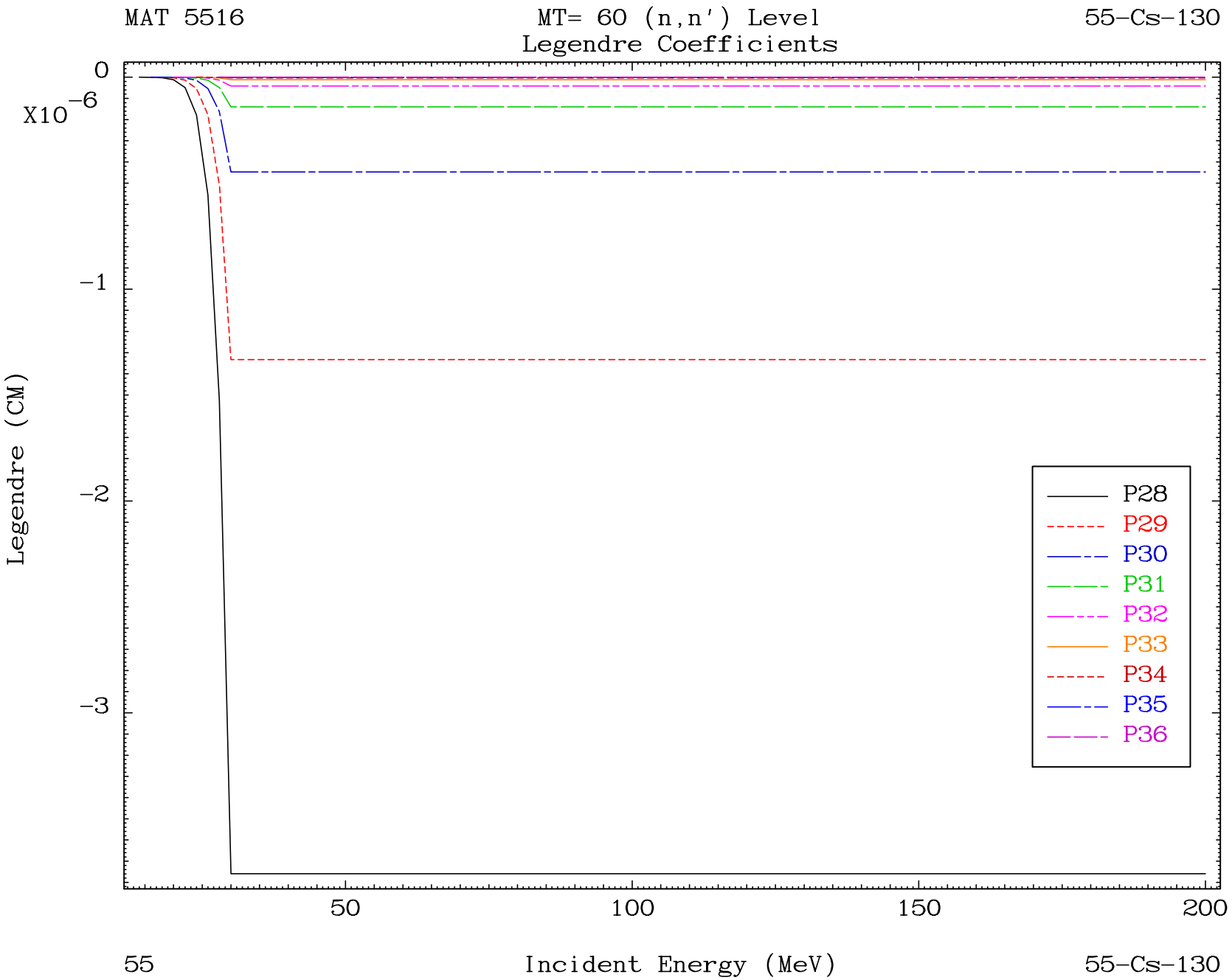

MAT 5516
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-130
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27

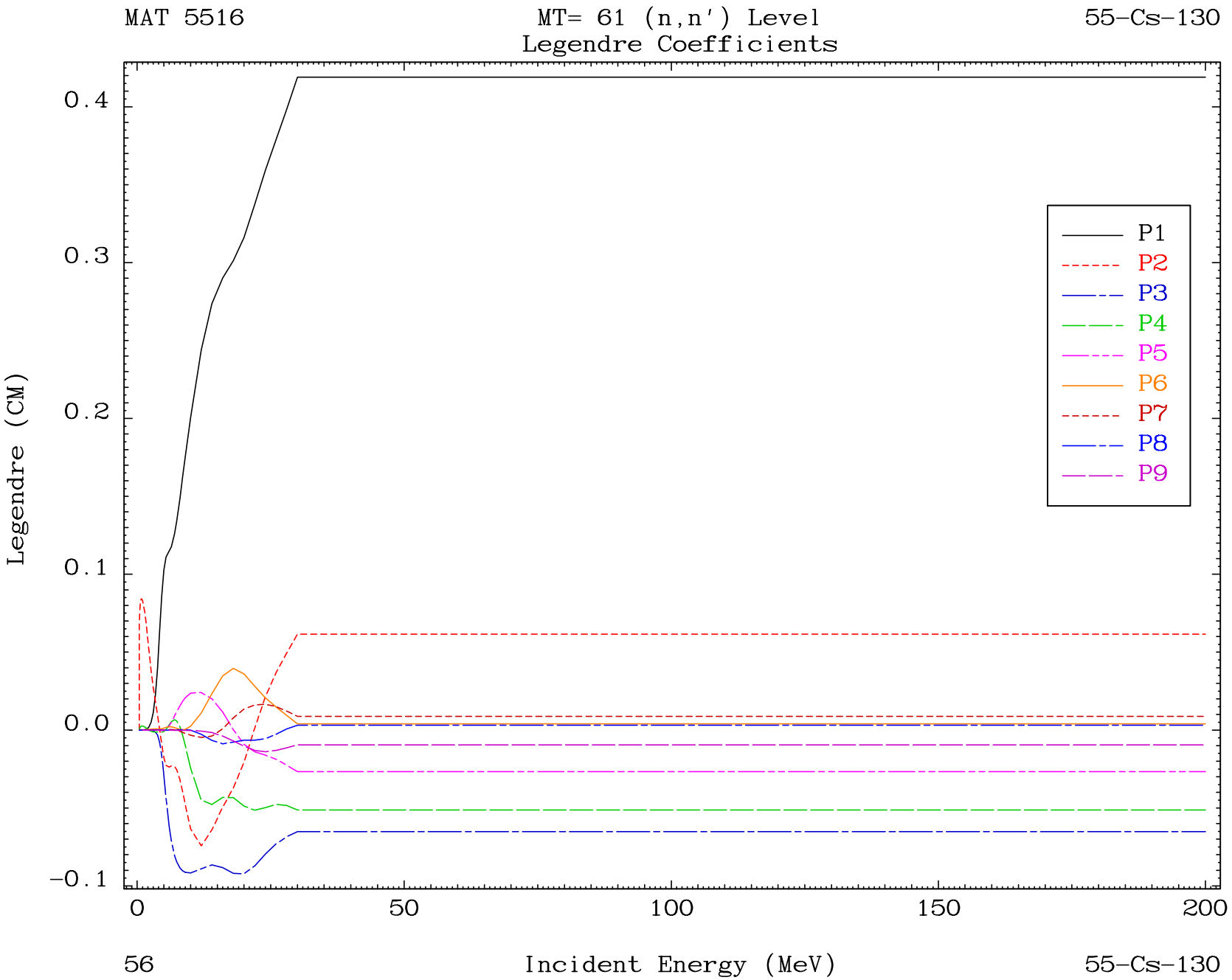

MAT 5516
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-130
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
55-Cs-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

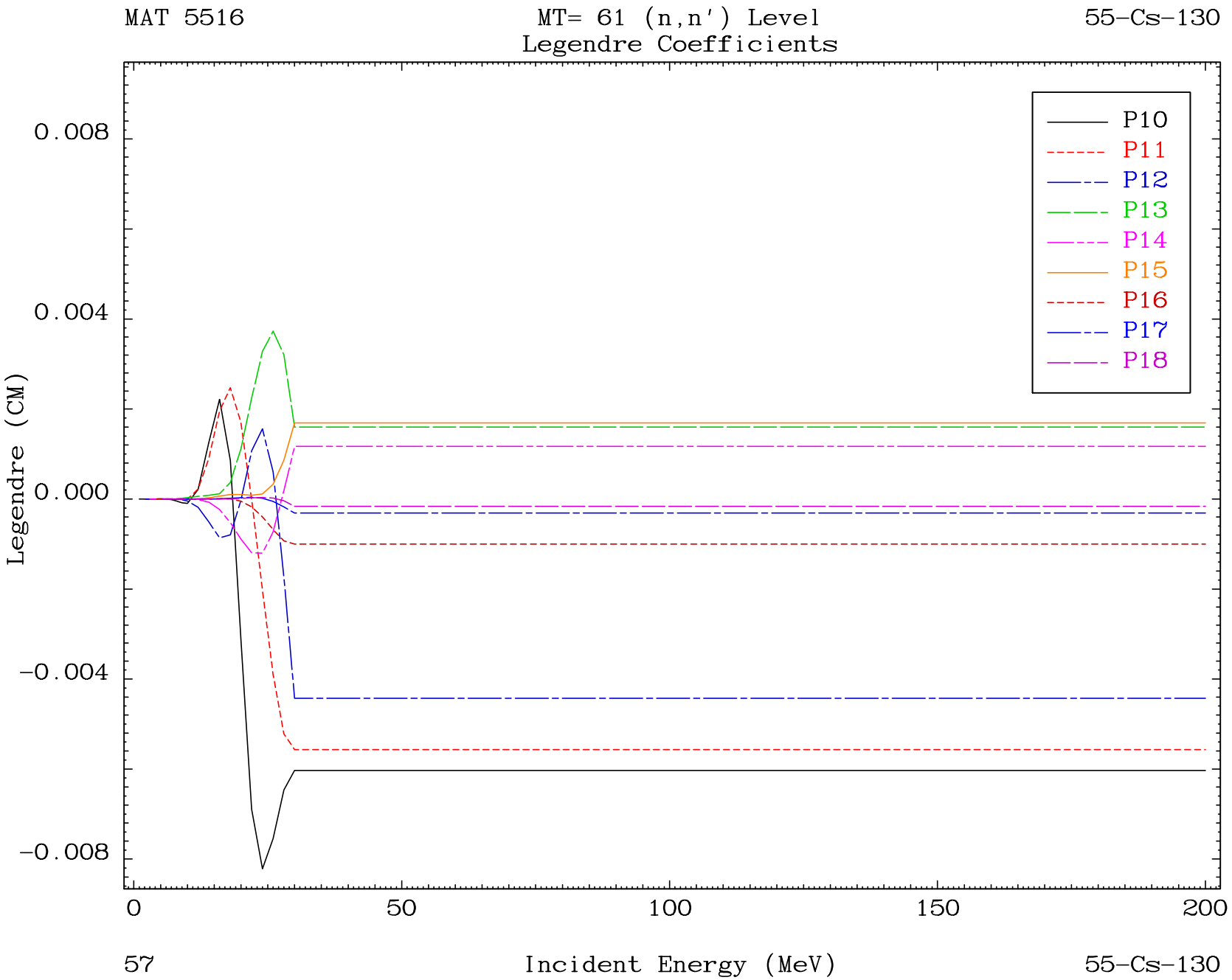

MAT 5516
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
52
Incident Energy (MeV)
55-Cs-130

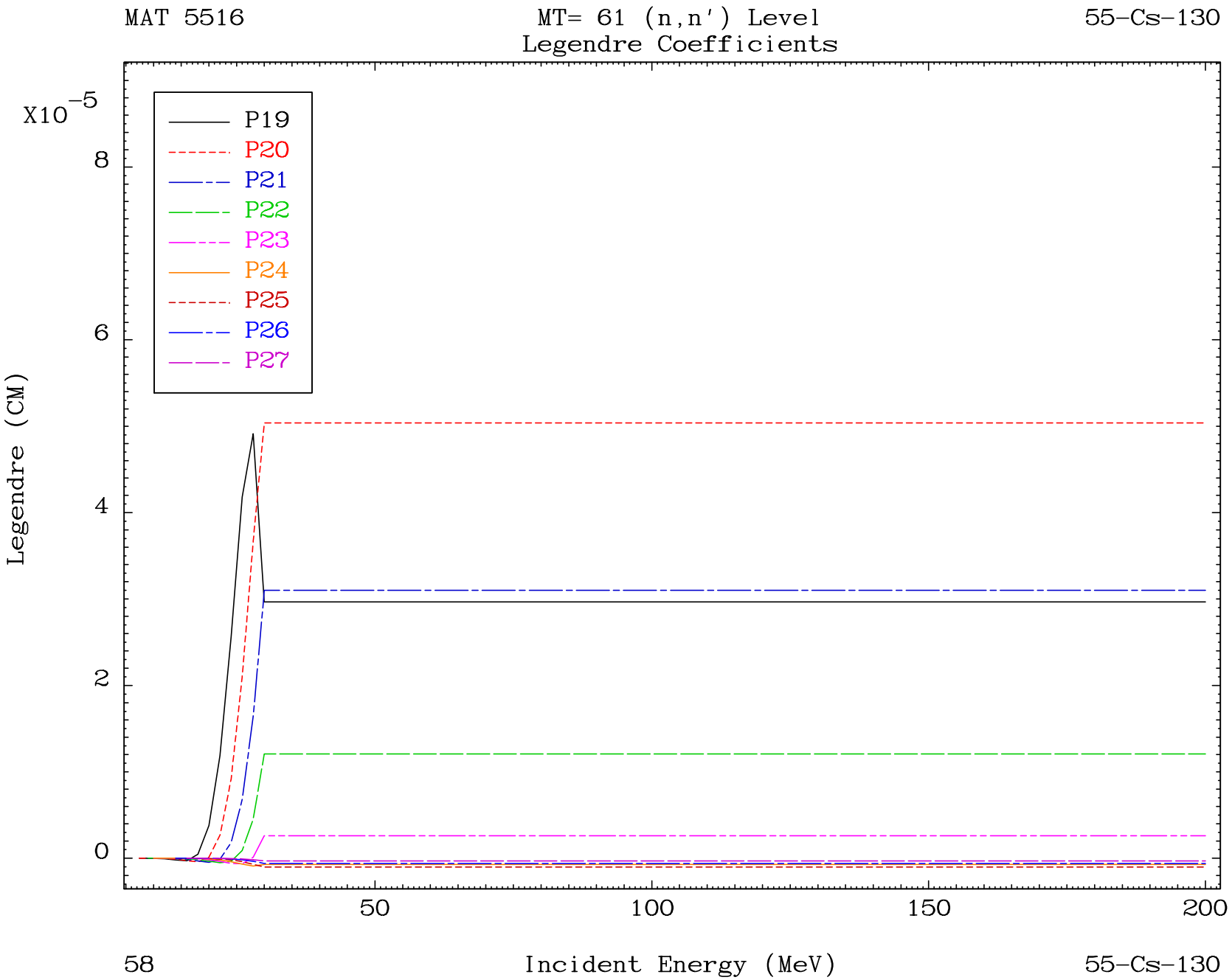

MAT 5516
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
55-Cs-130

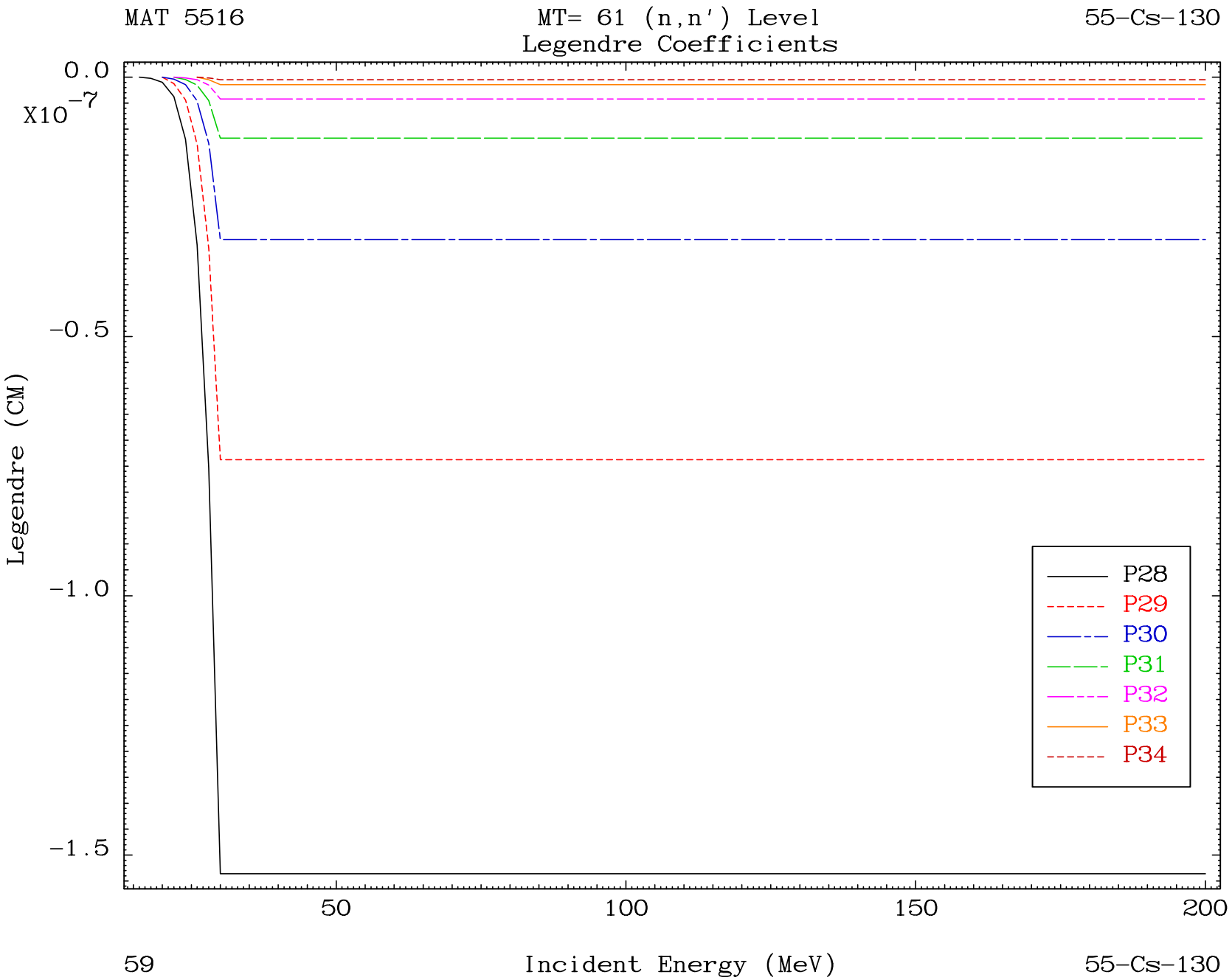

MAT 5516
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
55-Cs-130

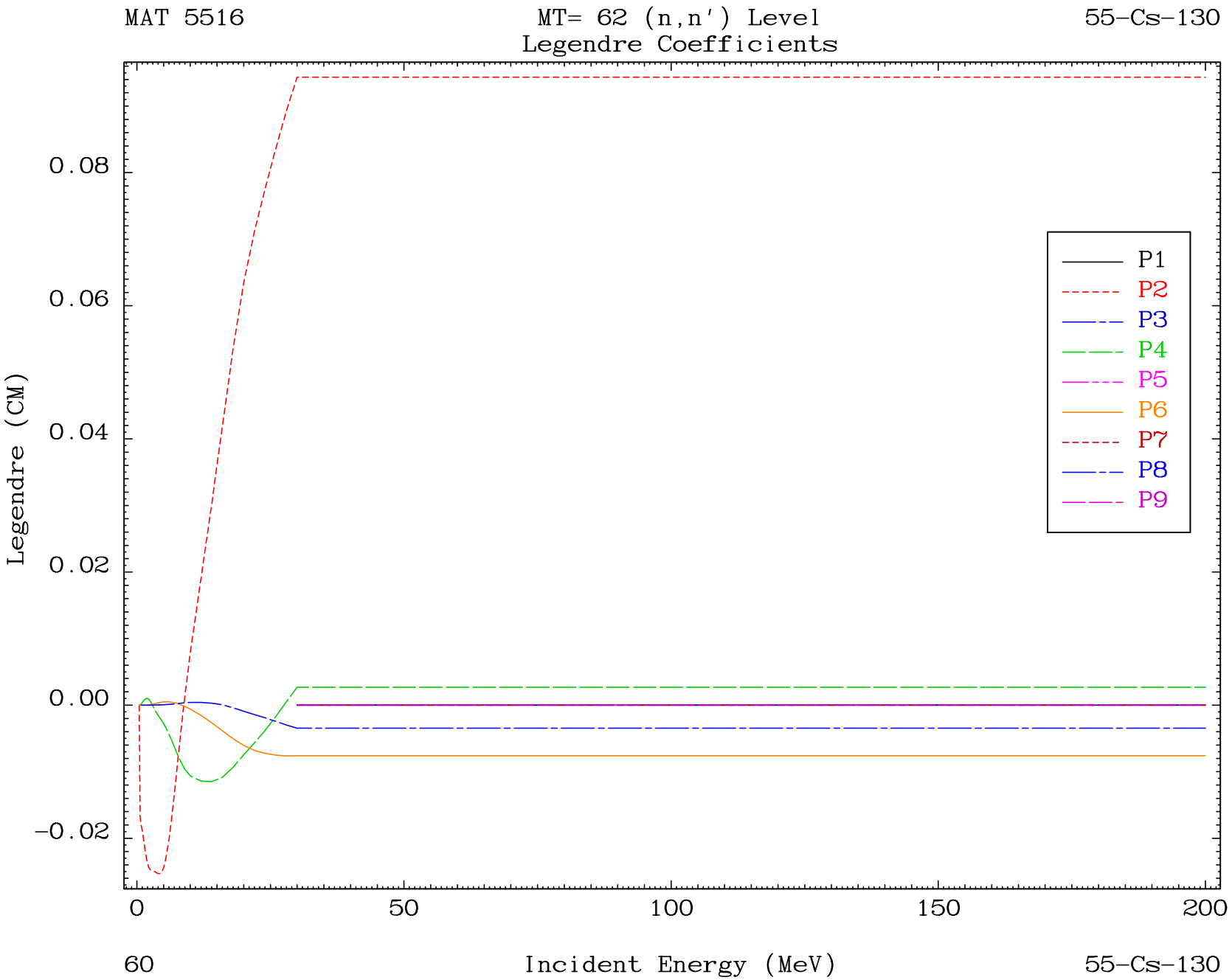

MAT 5516
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-130
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
55
Incident Energy (MeV)
55-Cs-130
P28
P29
P30
P31
P32
P33
P34
P35
P36

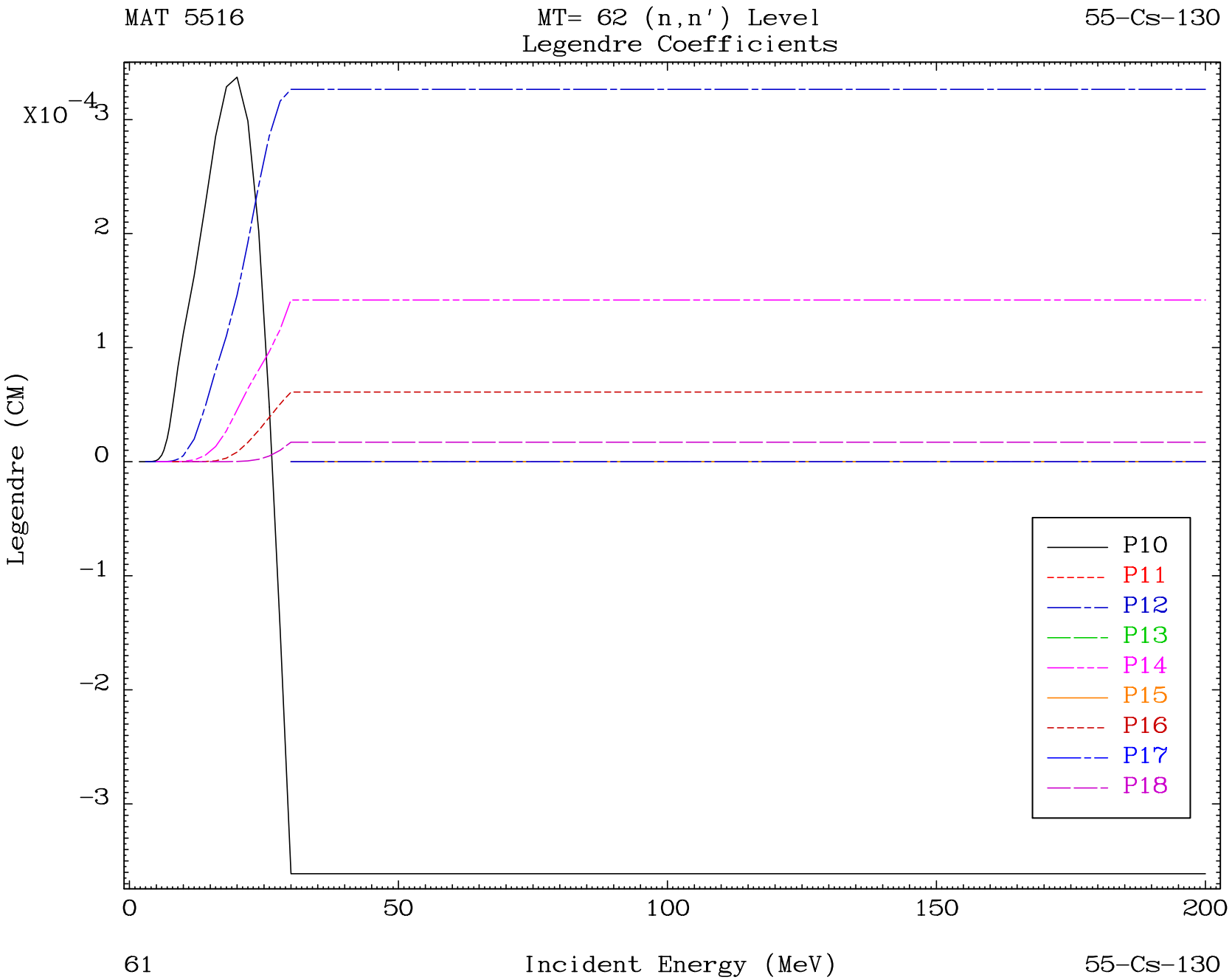

MAT 5516
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-130
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
56
55-Cs-130
P1
P2
P3
P4
P5
P6
P7
P8
P9

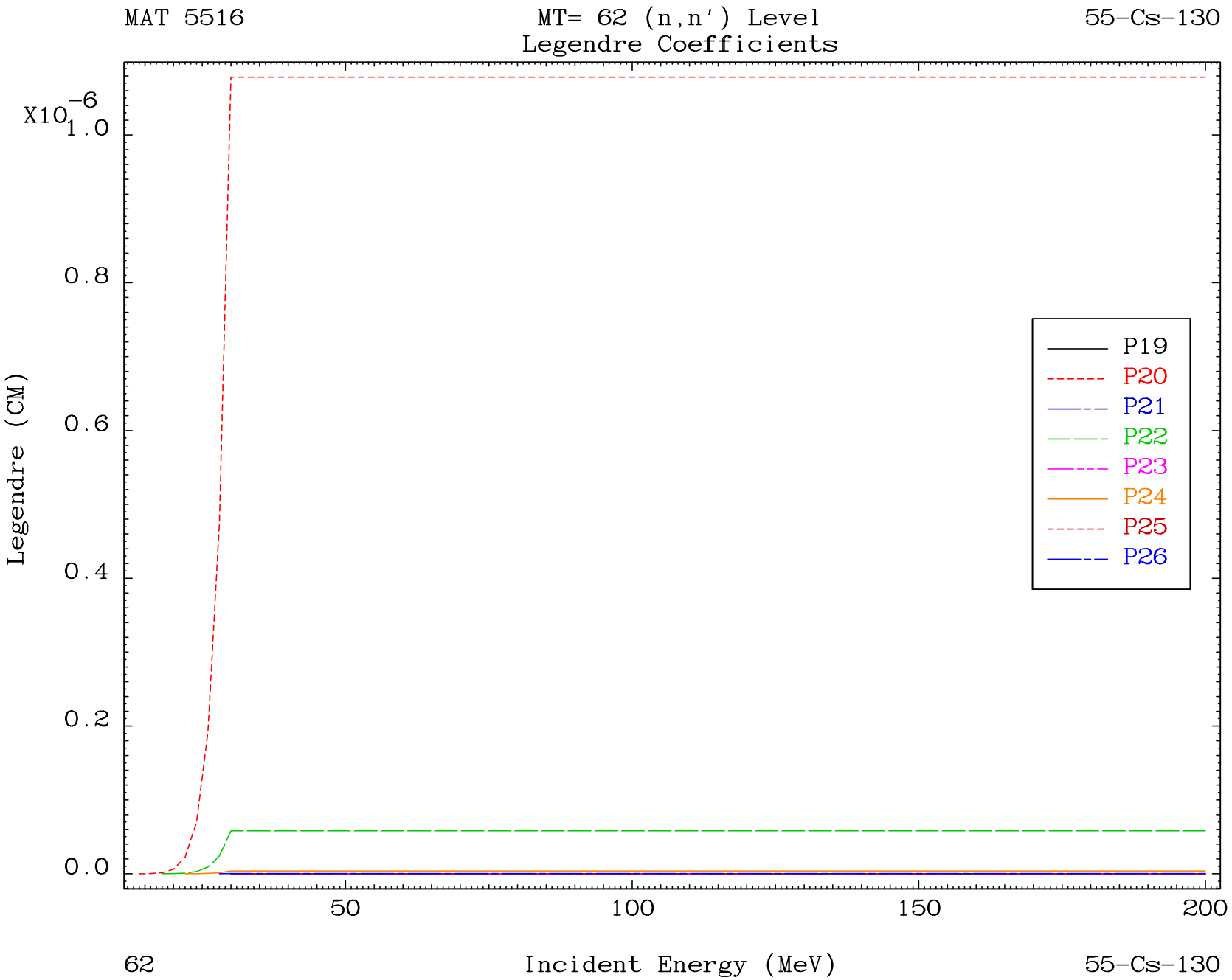

MAT 5516
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
55-Cs-130

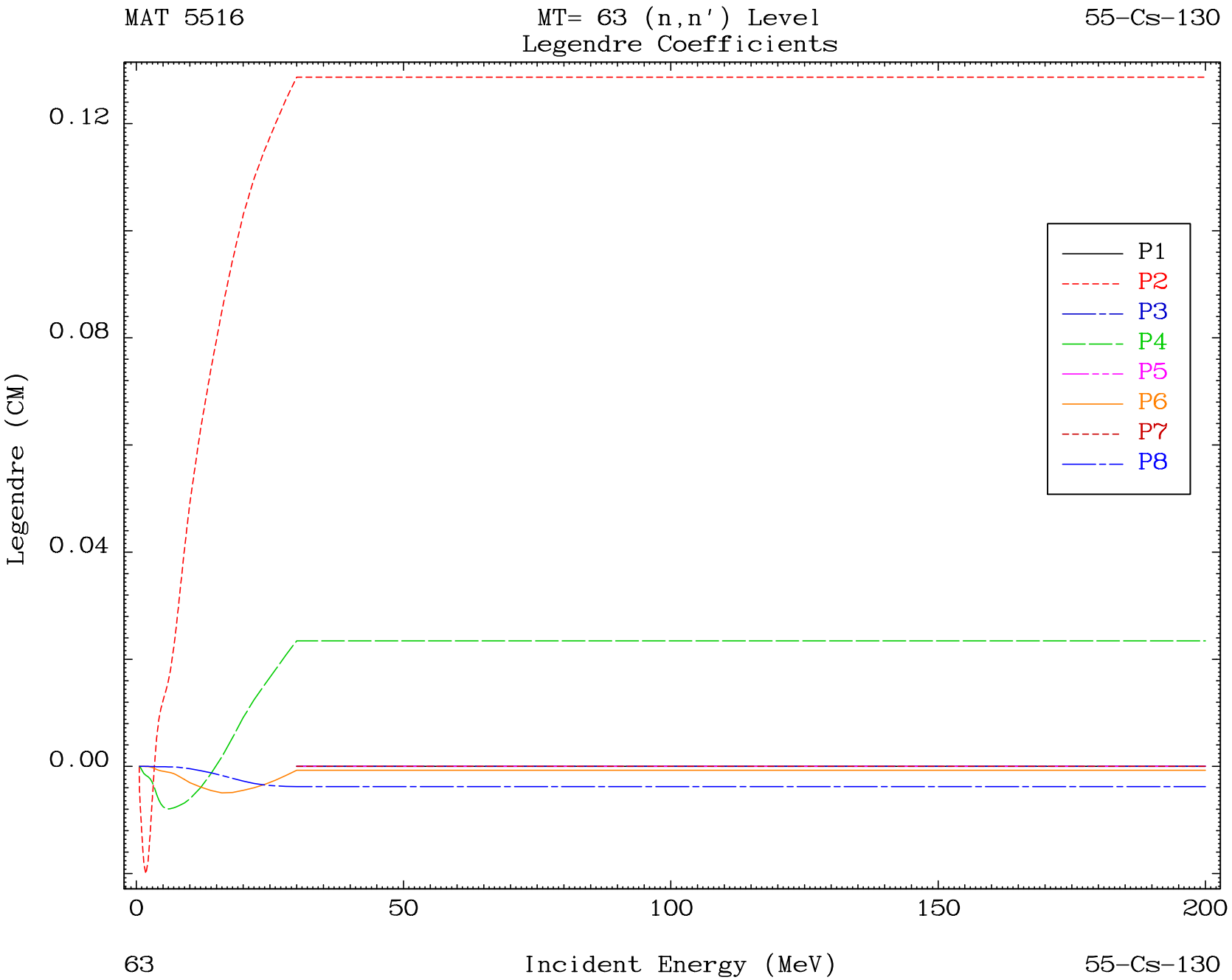

MAT 5516
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-130
X10-5
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
58
Incident Energy (MeV)
55-Cs-130

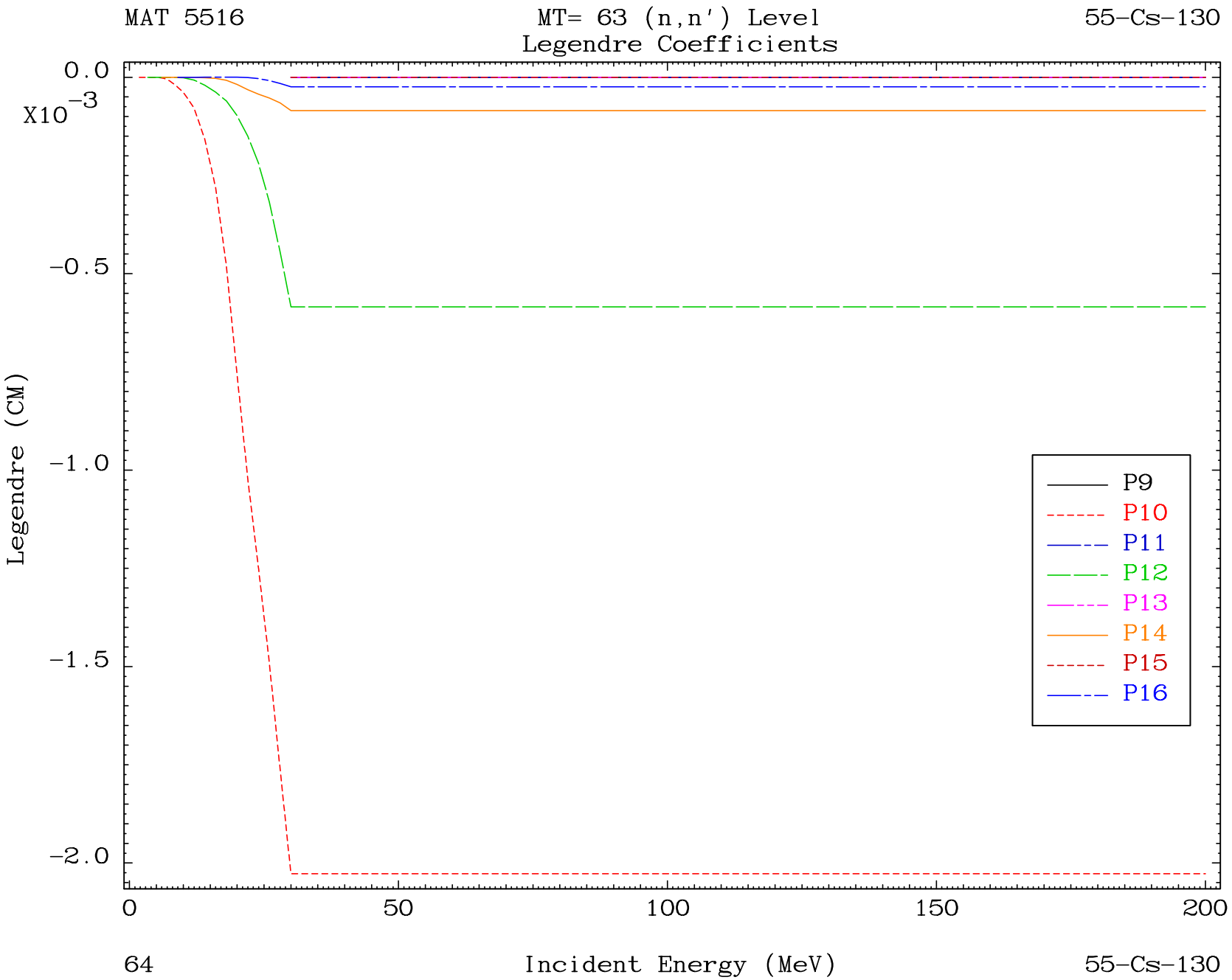

MAT 5516
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-130
0.0
X10-7
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
55-Cs-130
P28
P29
P30
P31
P32
P33
P34

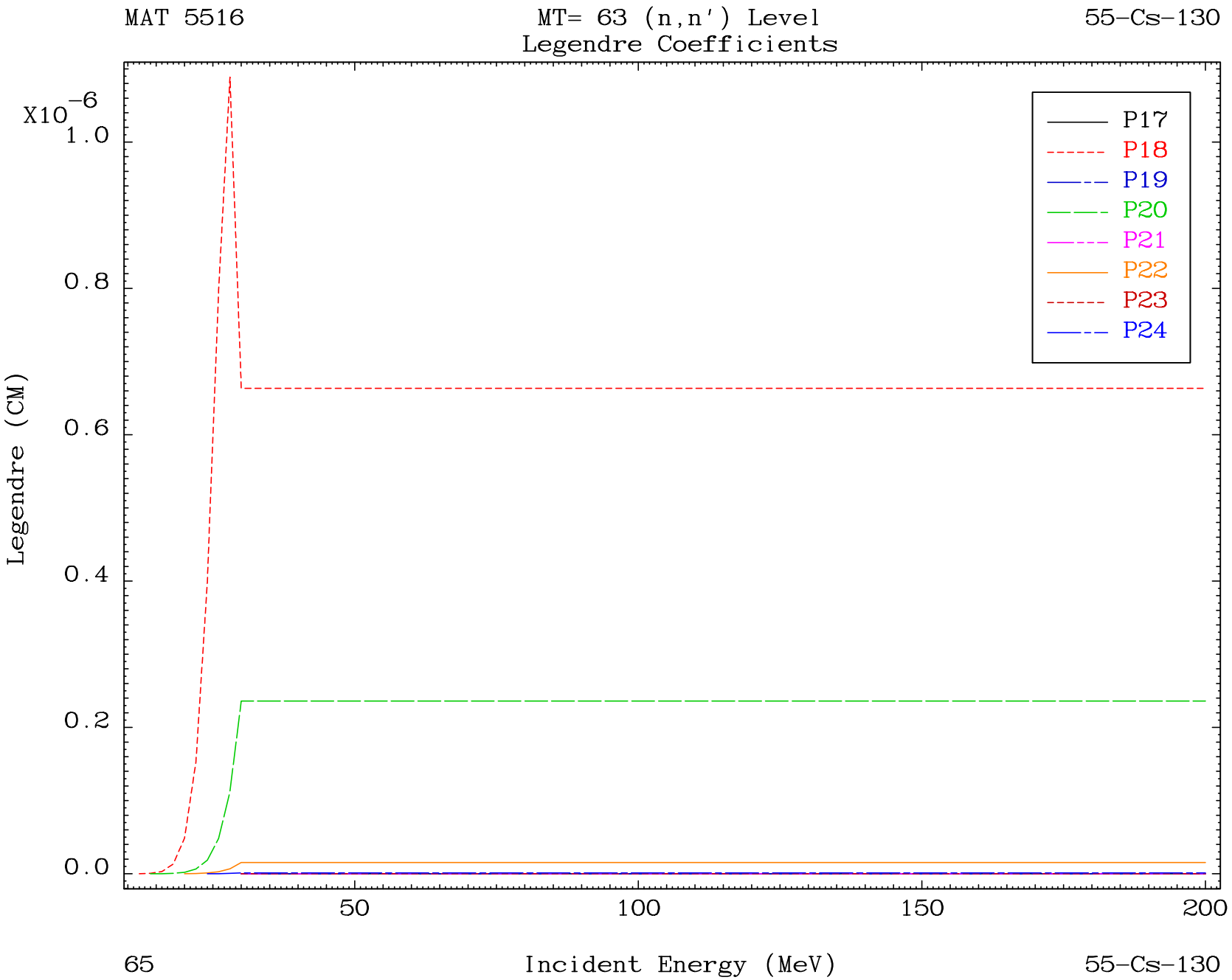

MAT 5516
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-130
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
60
Incident Energy (MeV)
55-Cs-130

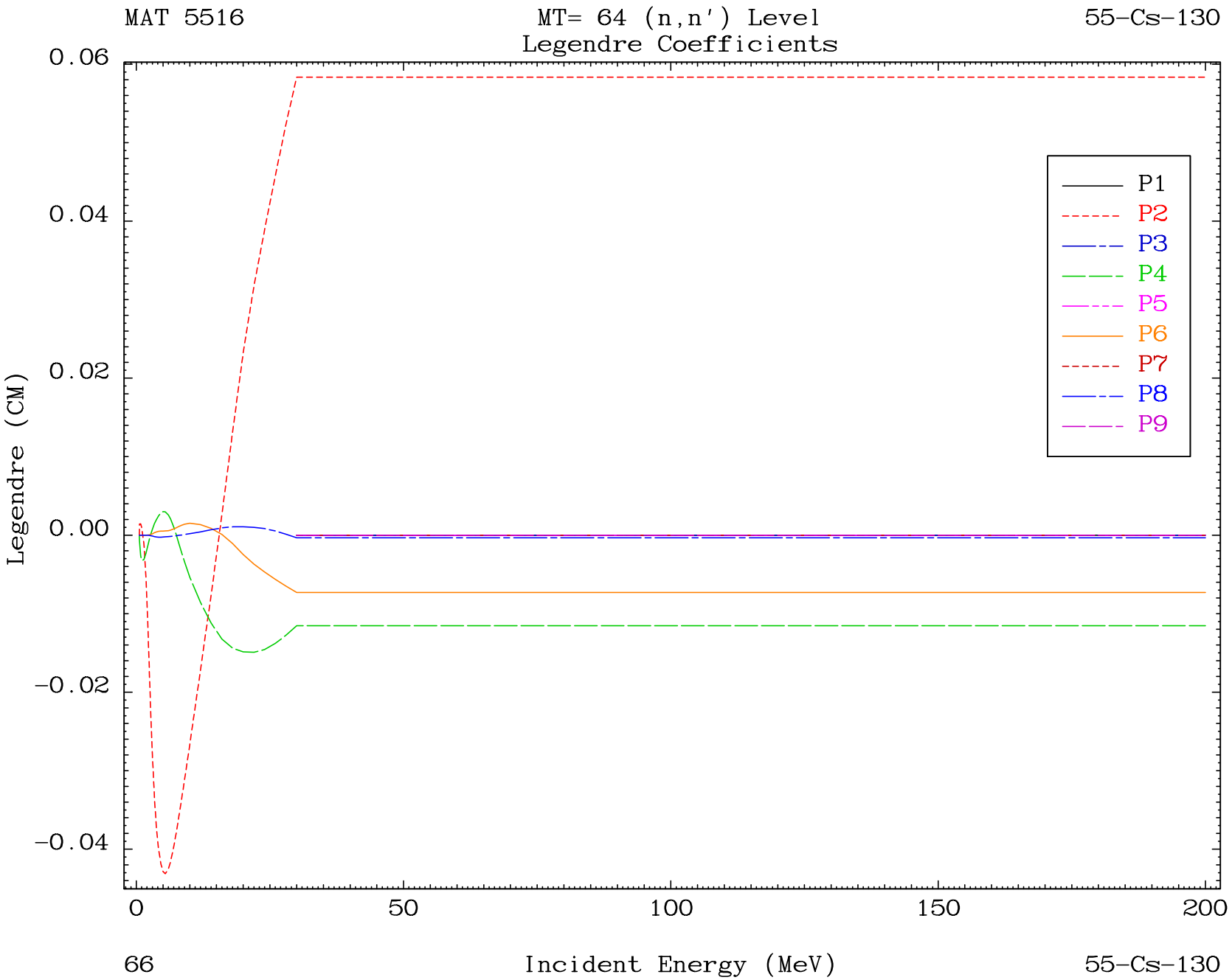

MAT 5516
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
3
2
1
0
-1
-2
-3
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
55-Cs-130
P10
P11
P12
P13
P14
P15
P16
P17
P18

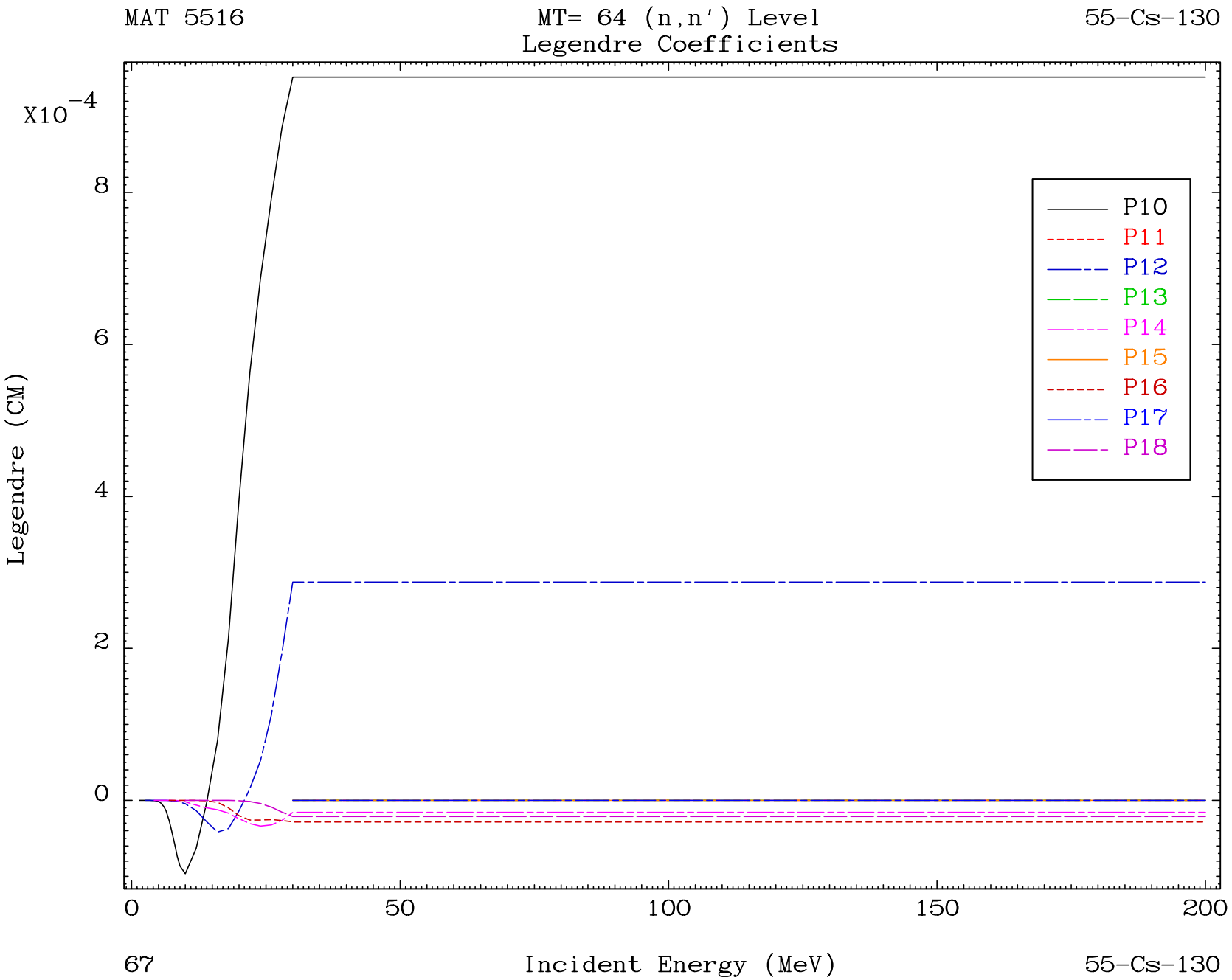

MAT 5516
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26

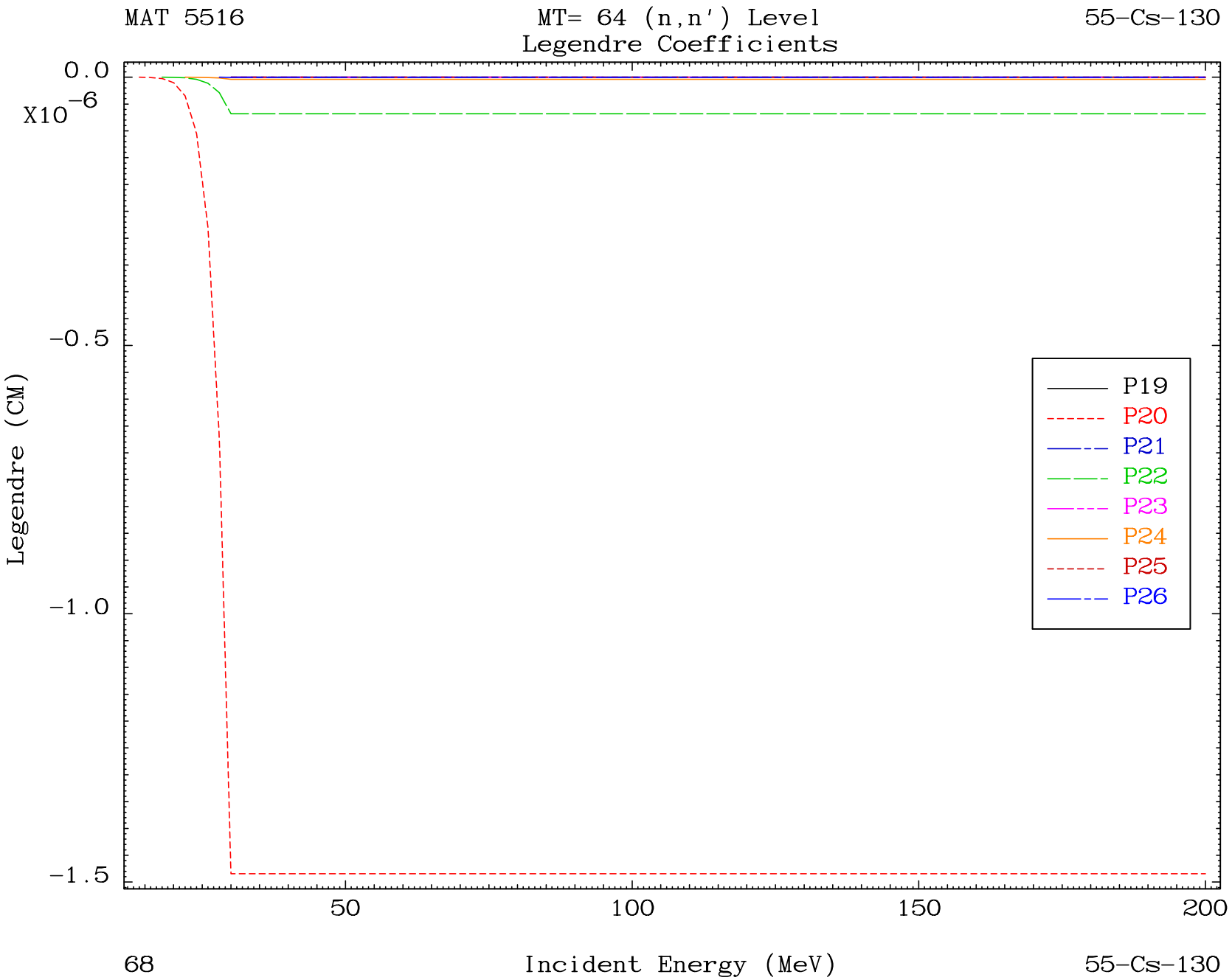

MAT 5516
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-130
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
63
Incident Energy (MeV)
55-Cs-130

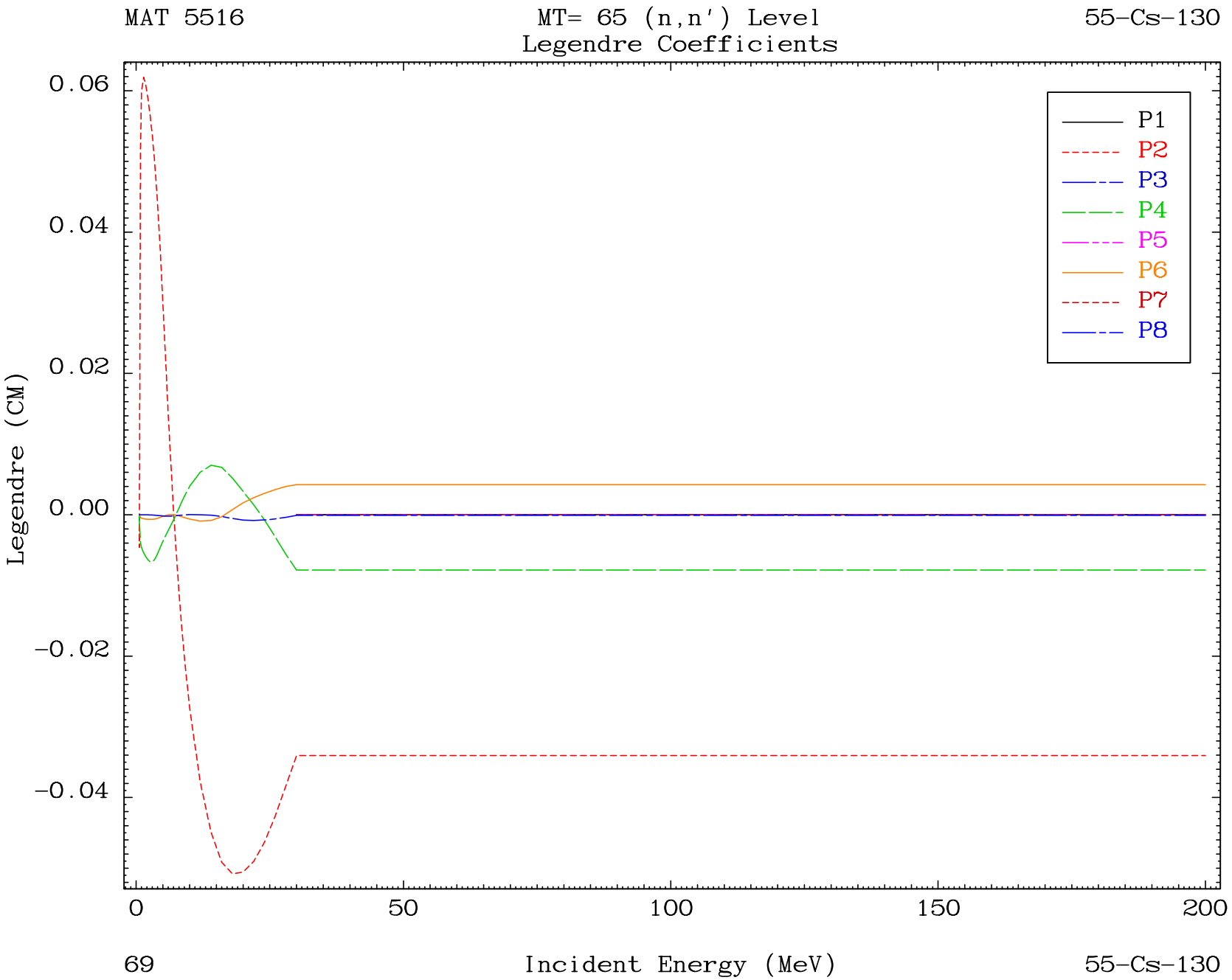

MAT 5516
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-130
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
0
50
100
150
200
64
Incident Energy (MeV)
55-Cs-130
P9
P10
P11
P12
P13
P14
P15
P16

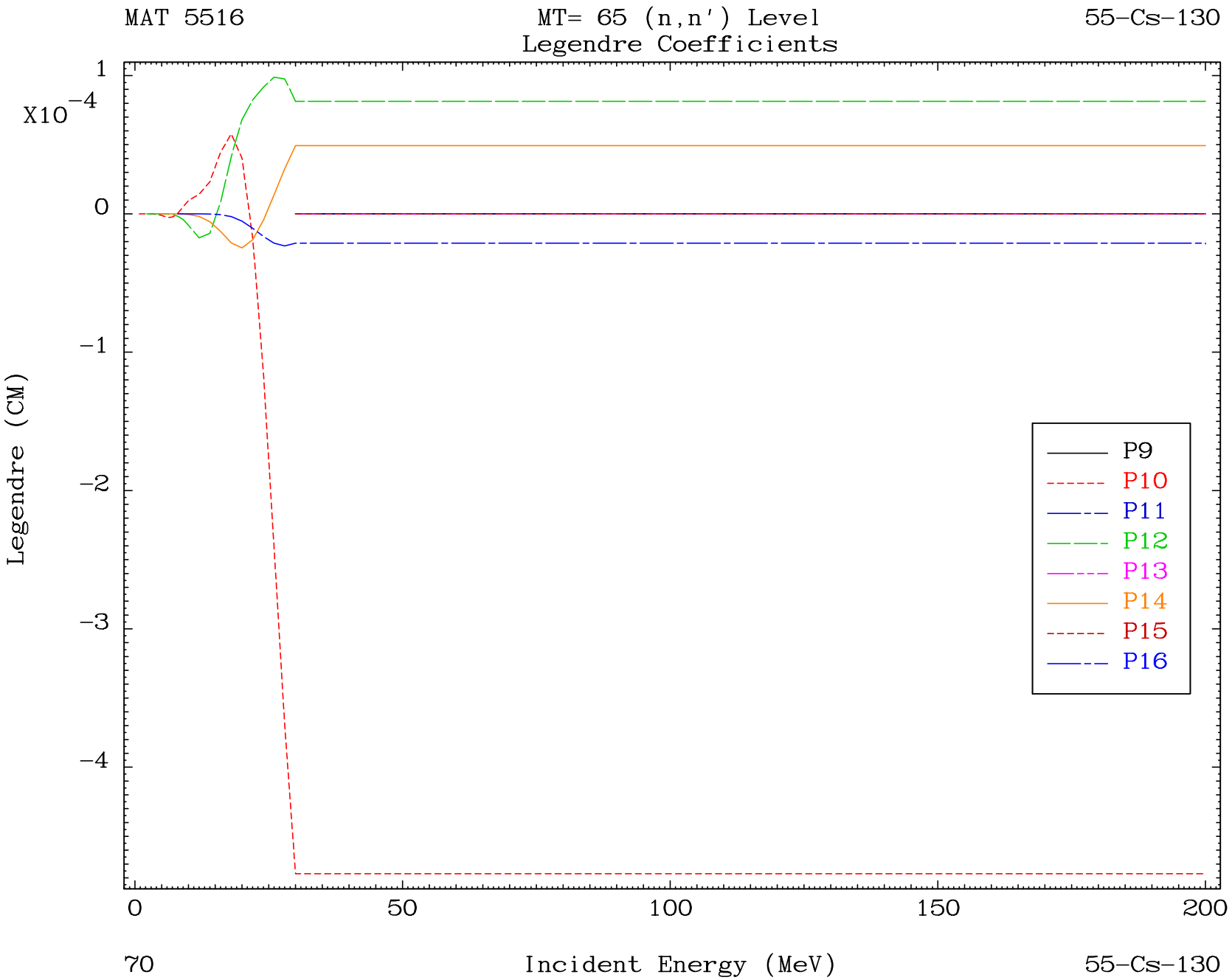

MAT 5516
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
65
Incident Energy (MeV)
55-Cs-130

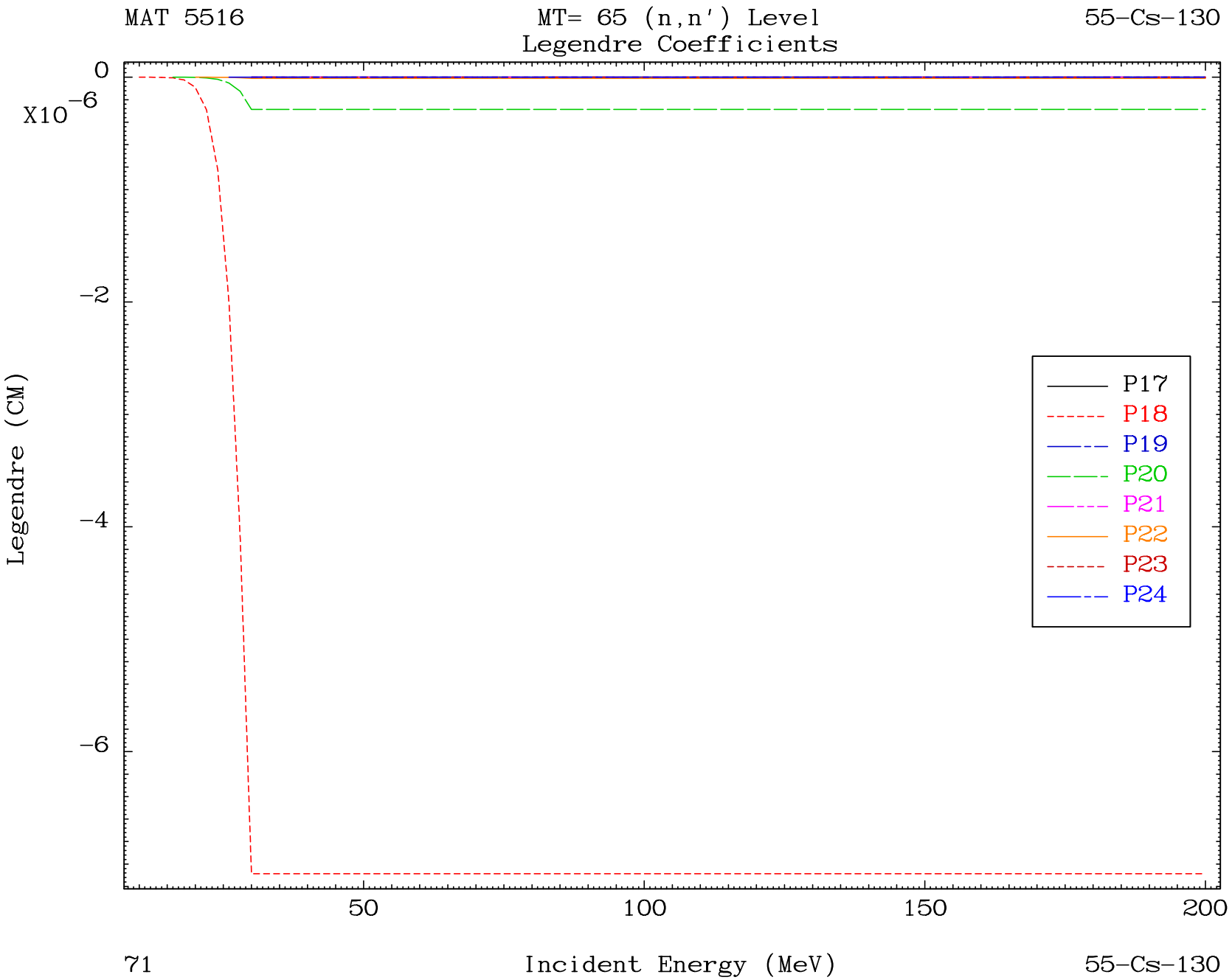

MAT 5516
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
66
Incident Energy (MeV)
55-Cs-130

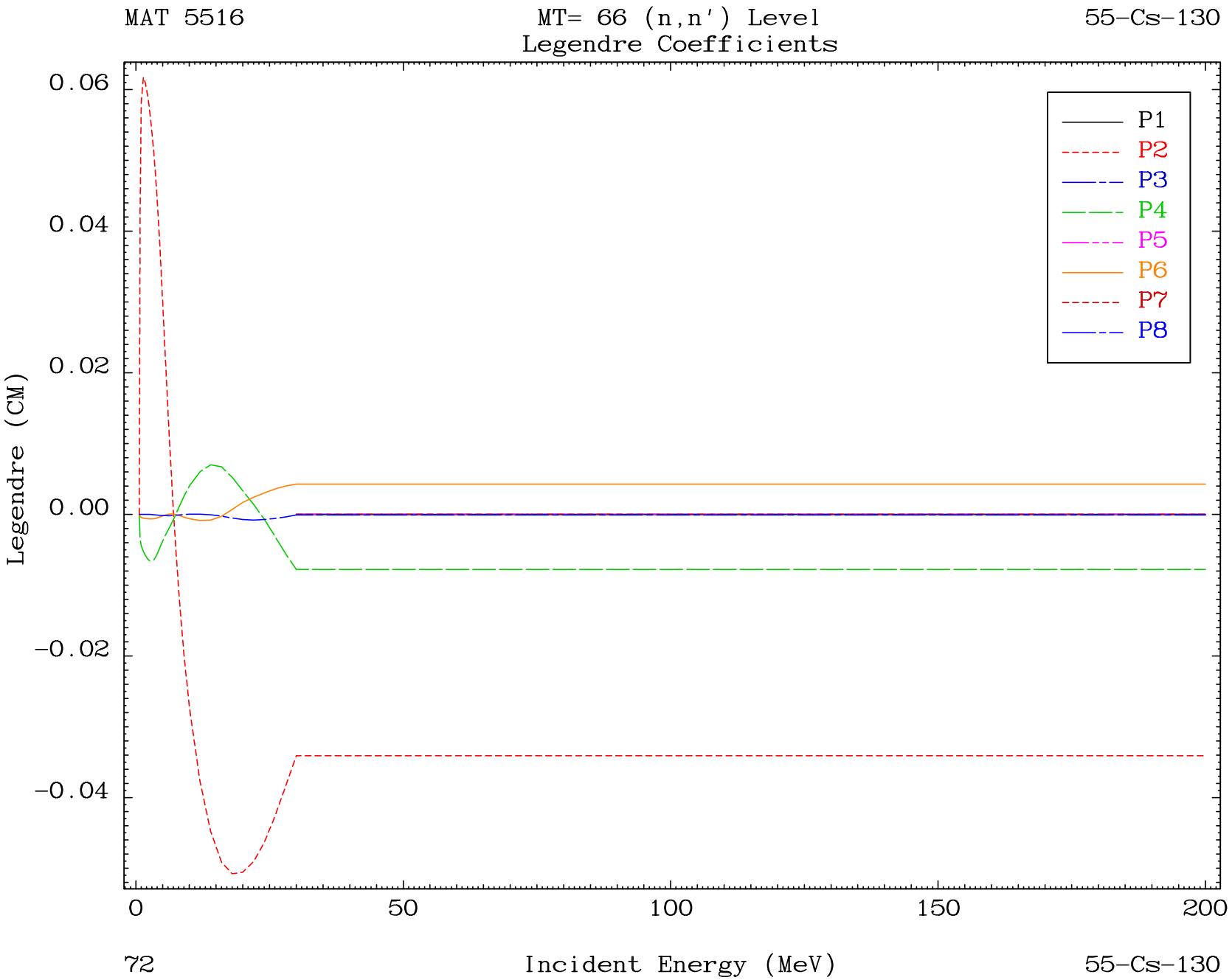

MAT 5516
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
8
6
4
2
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
67
Incident Energy (MeV)
55-Cs-130

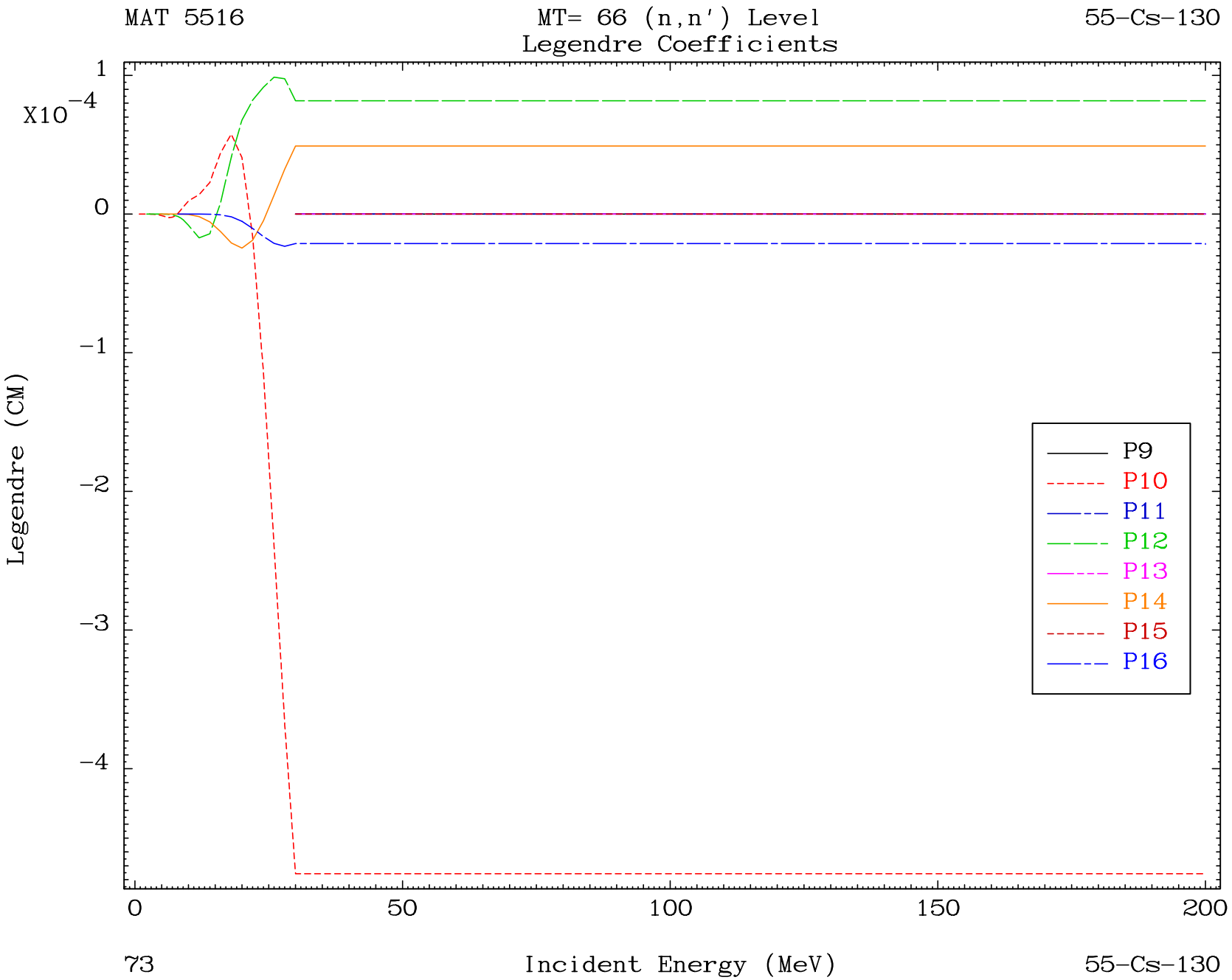

MAT 5516
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-130
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26

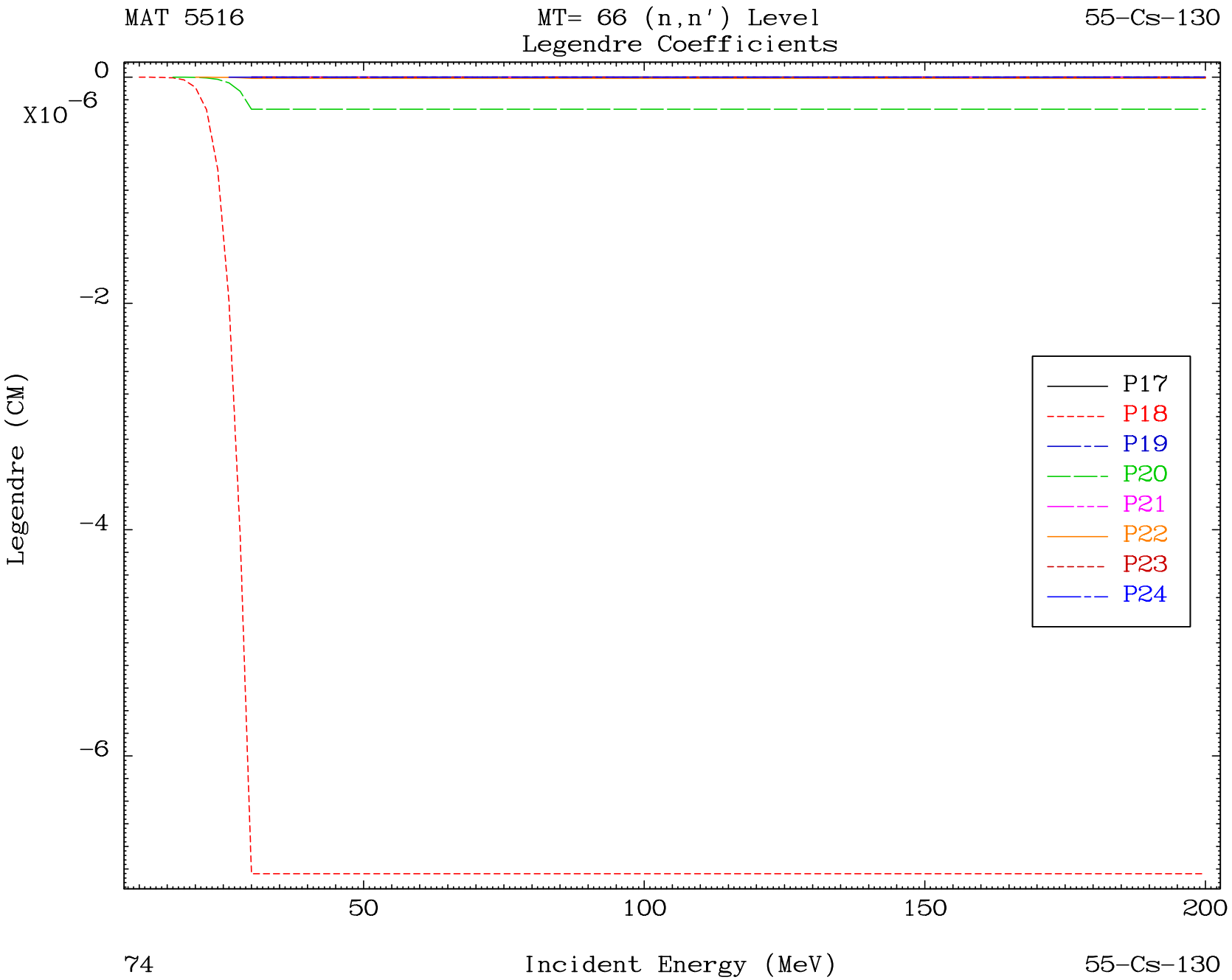

MAT 5516
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
69
Incident Energy (MeV)
55-Cs-130

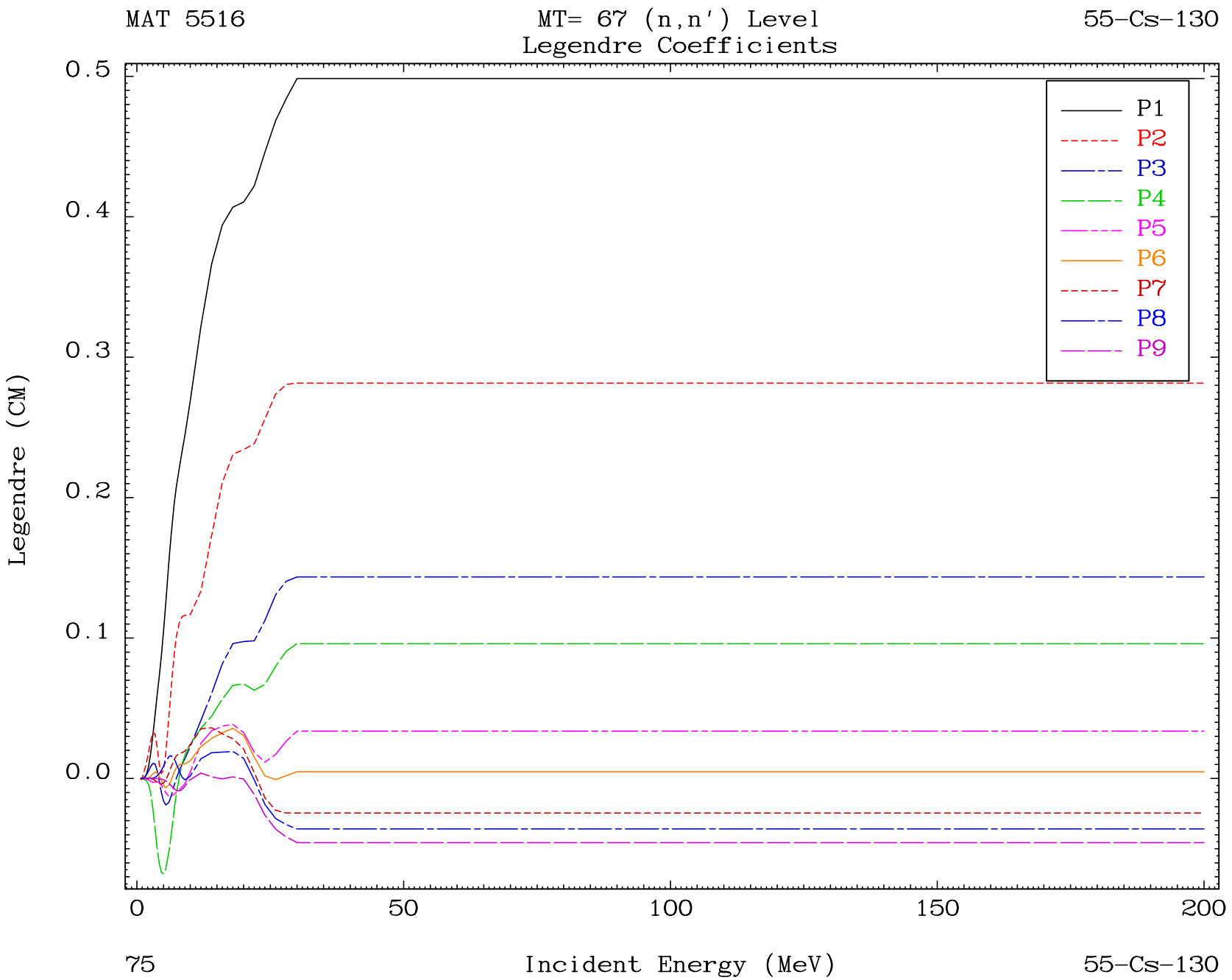

MAT 5516
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
1
0
−1
−2
−3
−4
Legendre (CM)
0
50
100
150
200
70
Incident Energy (MeV)
55-Cs-130
P9
P10
P11
P12
P13
P14
P15
P16

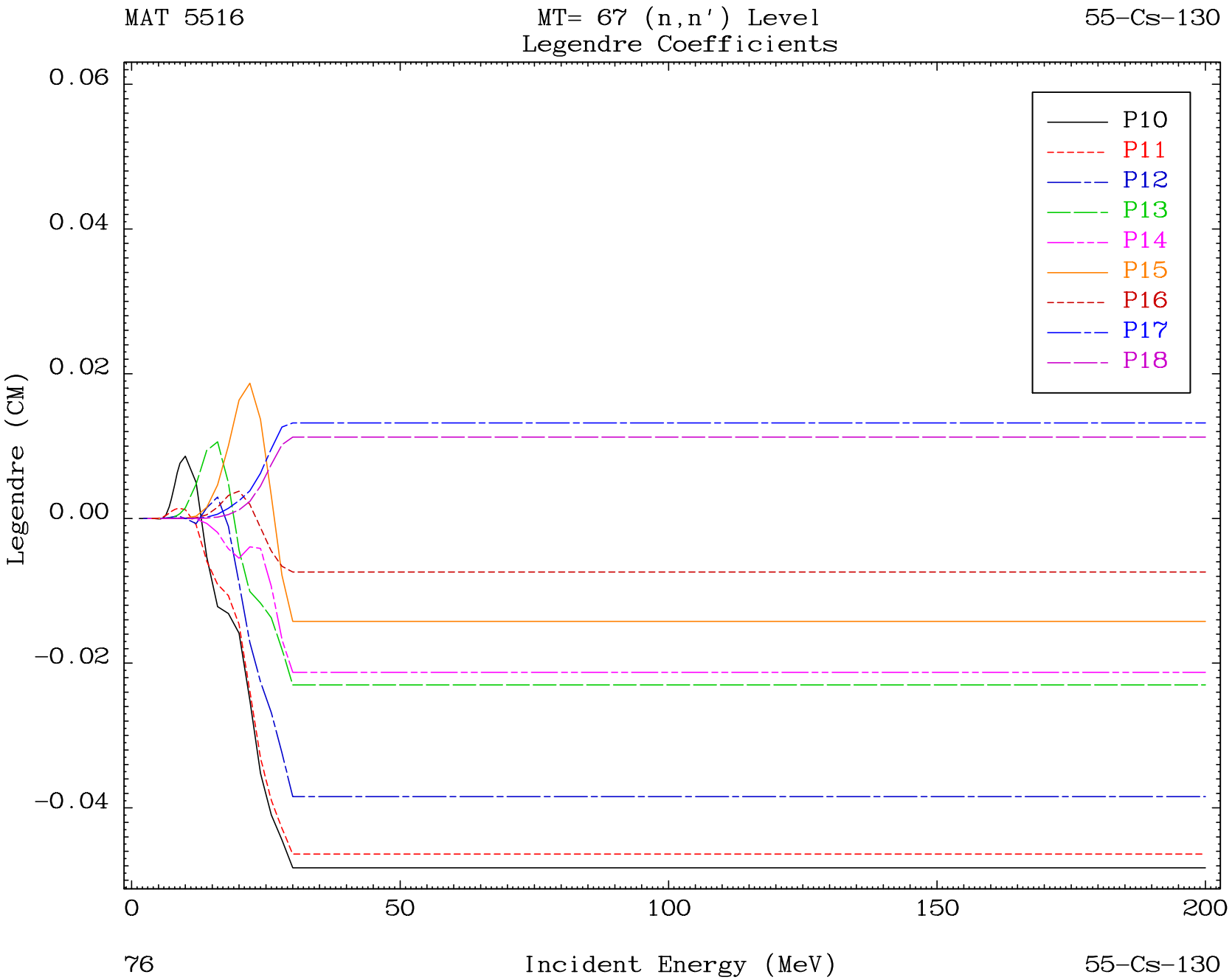

MAT 5516
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-130
0
X10^-6
-2
-4
-6
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
71
Incident Energy (MeV)
55-Cs-130

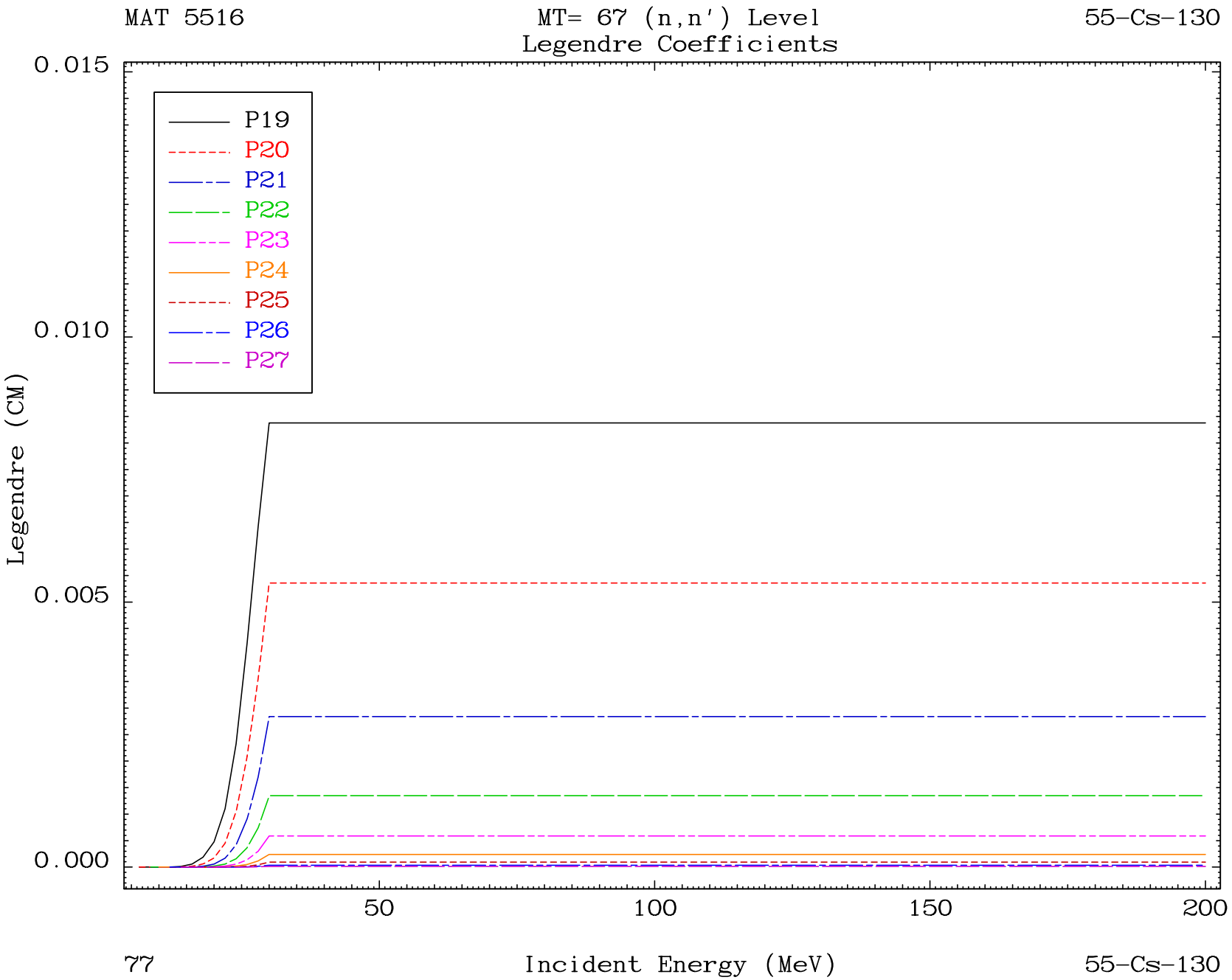

MAT 5516
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
72
Incident Energy (MeV)
55-Cs-130

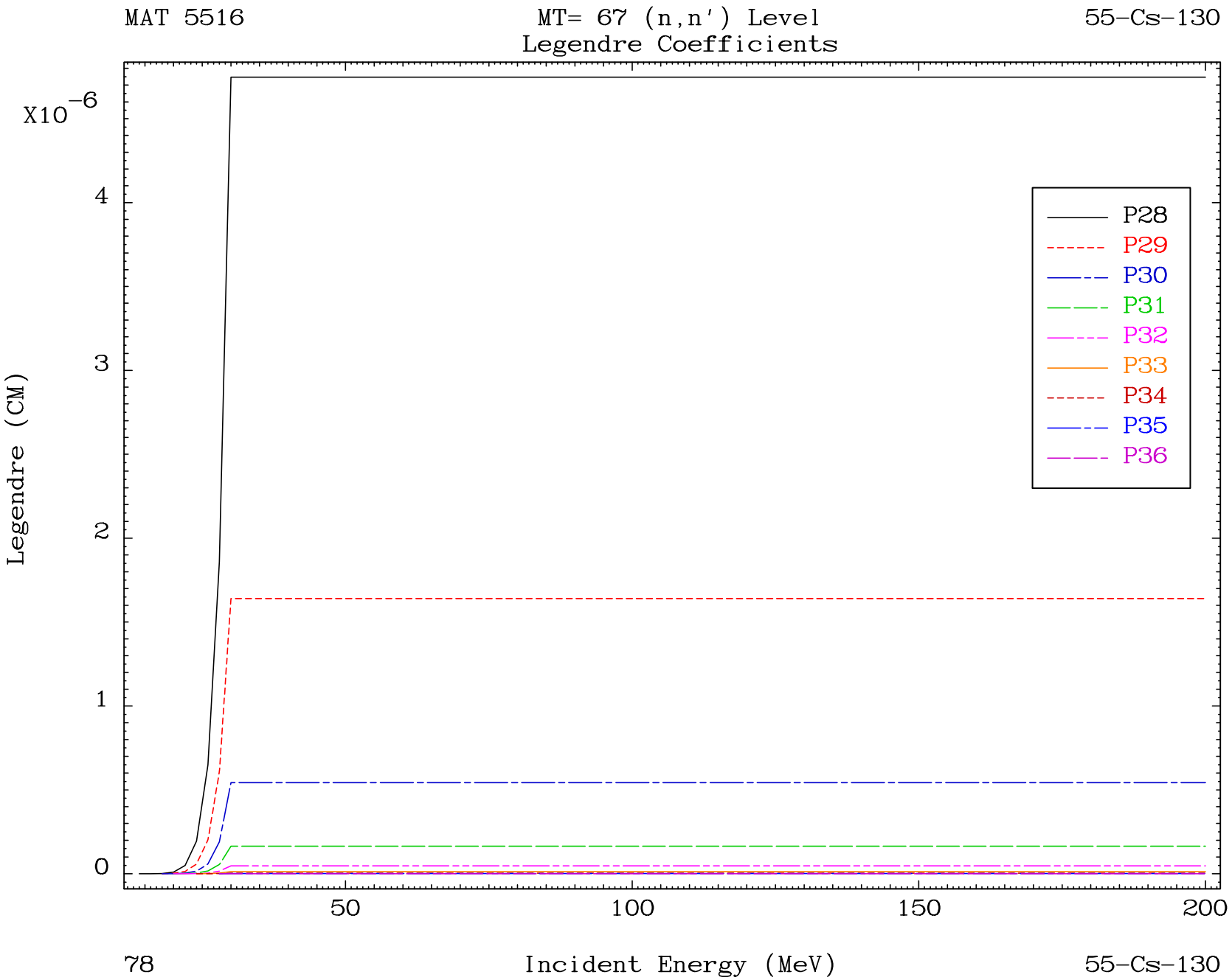

MAT 5516
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-4
1
0
−1
−2
−3
−4
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
55-Cs-130
P9
P10
P11
P12
P13
P14
P15
P16

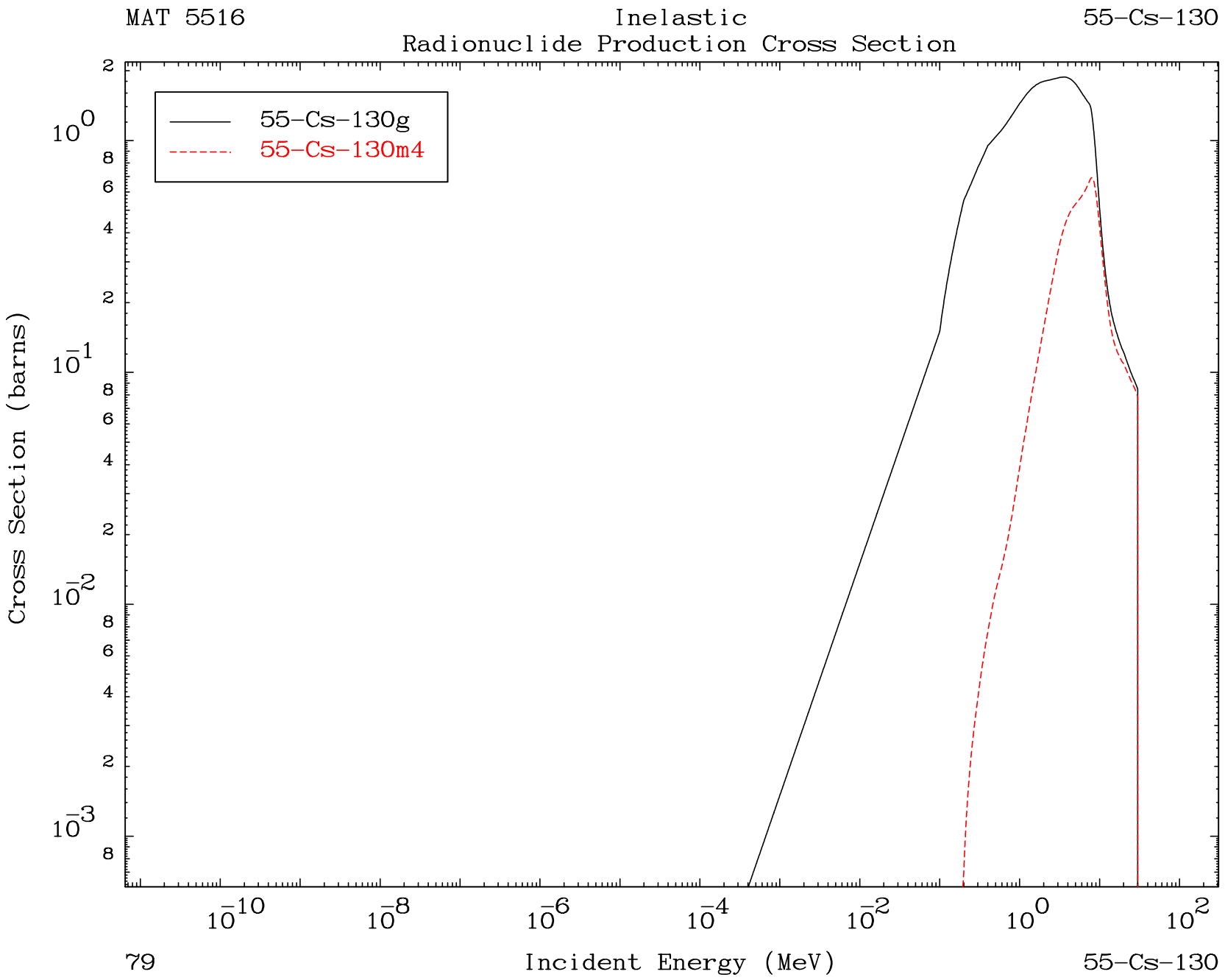

MAT 5516
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-130
0
X10^-6
-2
-4
-6
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
74
Incident Energy (MeV)
55-Cs-130

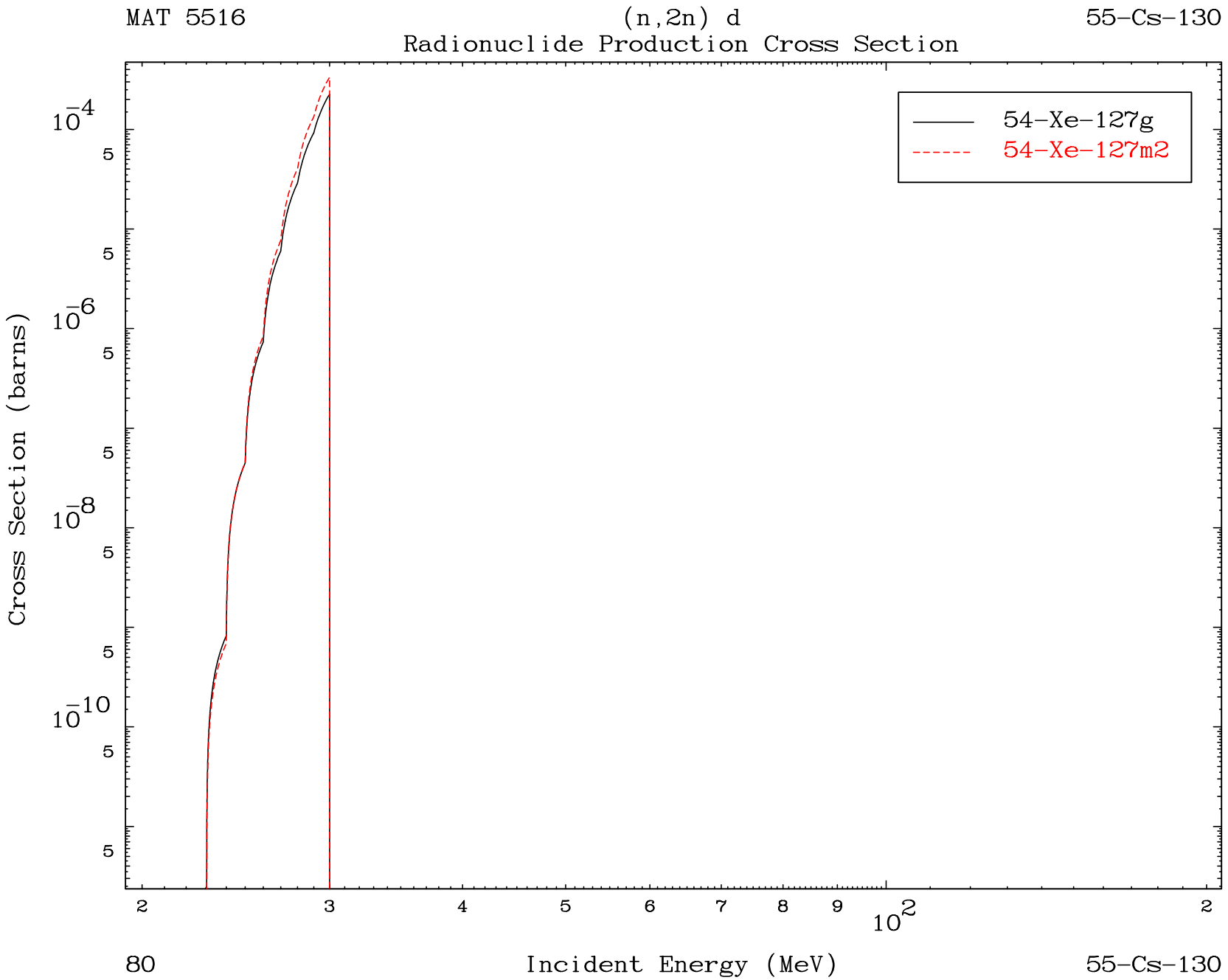

MAT 5516
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-130
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
75
Incident Energy (MeV)
55-Cs-130

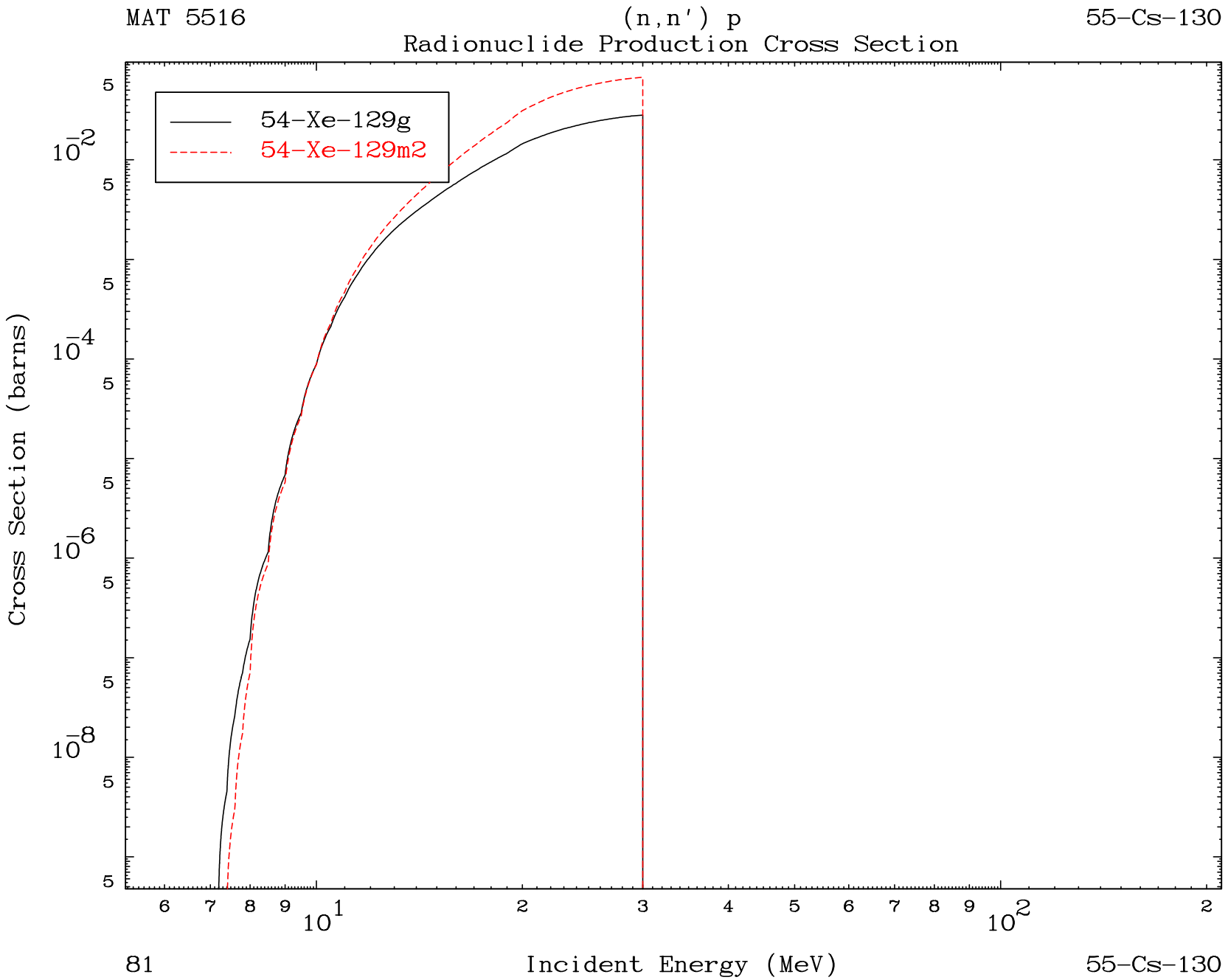

MAT 5516
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-130
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
76
Incident Energy (MeV)
55-Cs-130

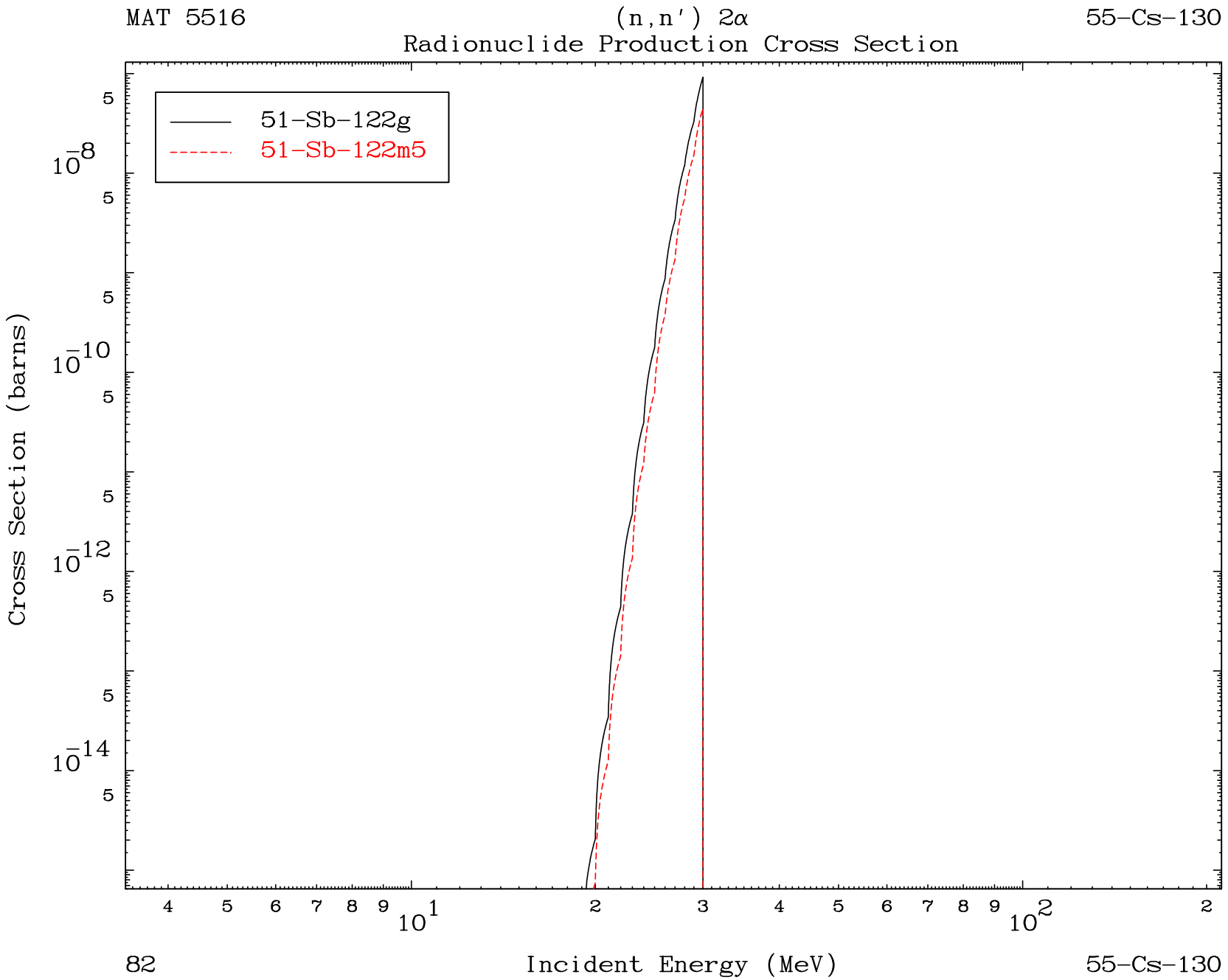

MAT 5516
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-130
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
55-Cs-130

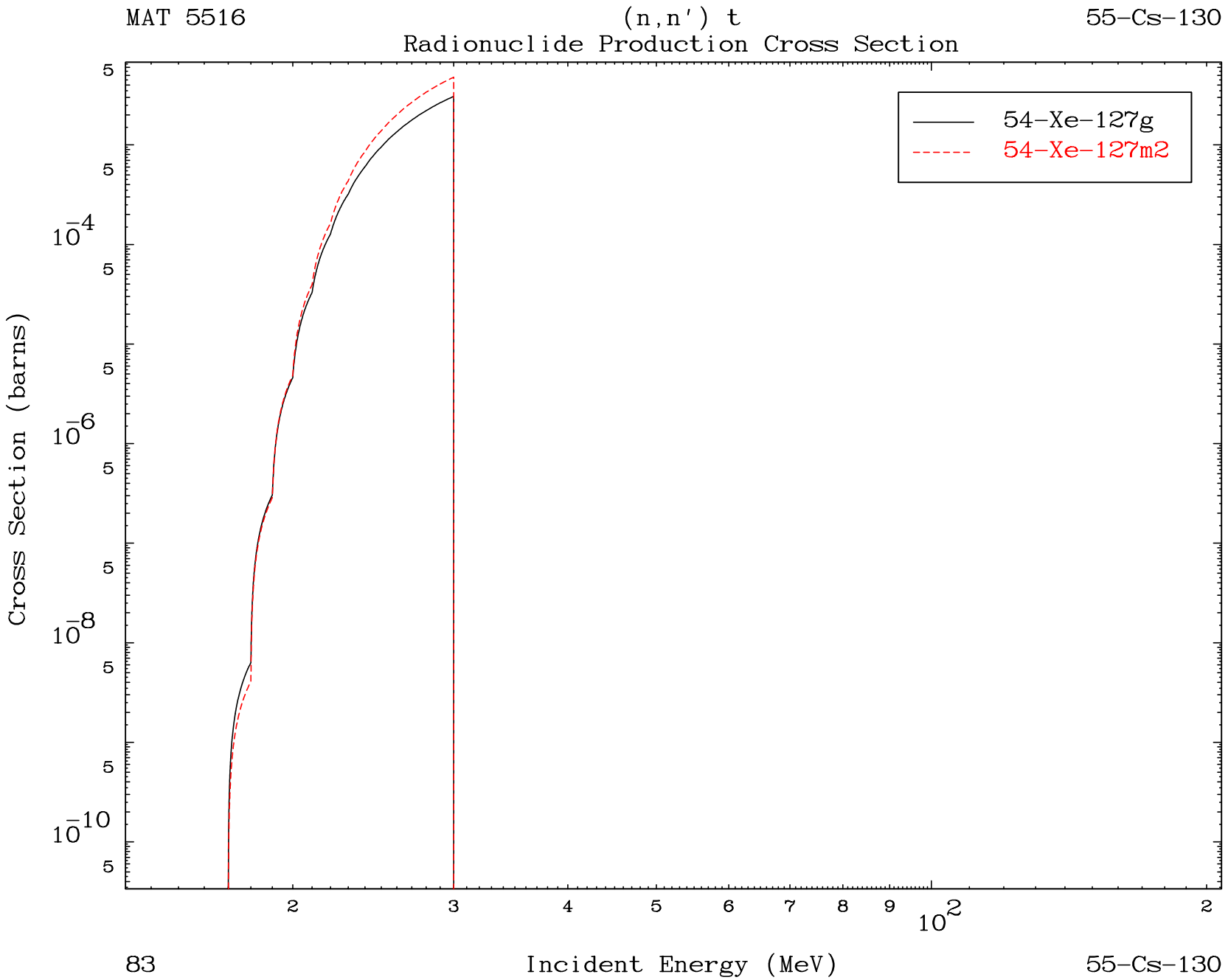

MAT 5516
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-130
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
78
Incident Energy (MeV)
55-Cs-130

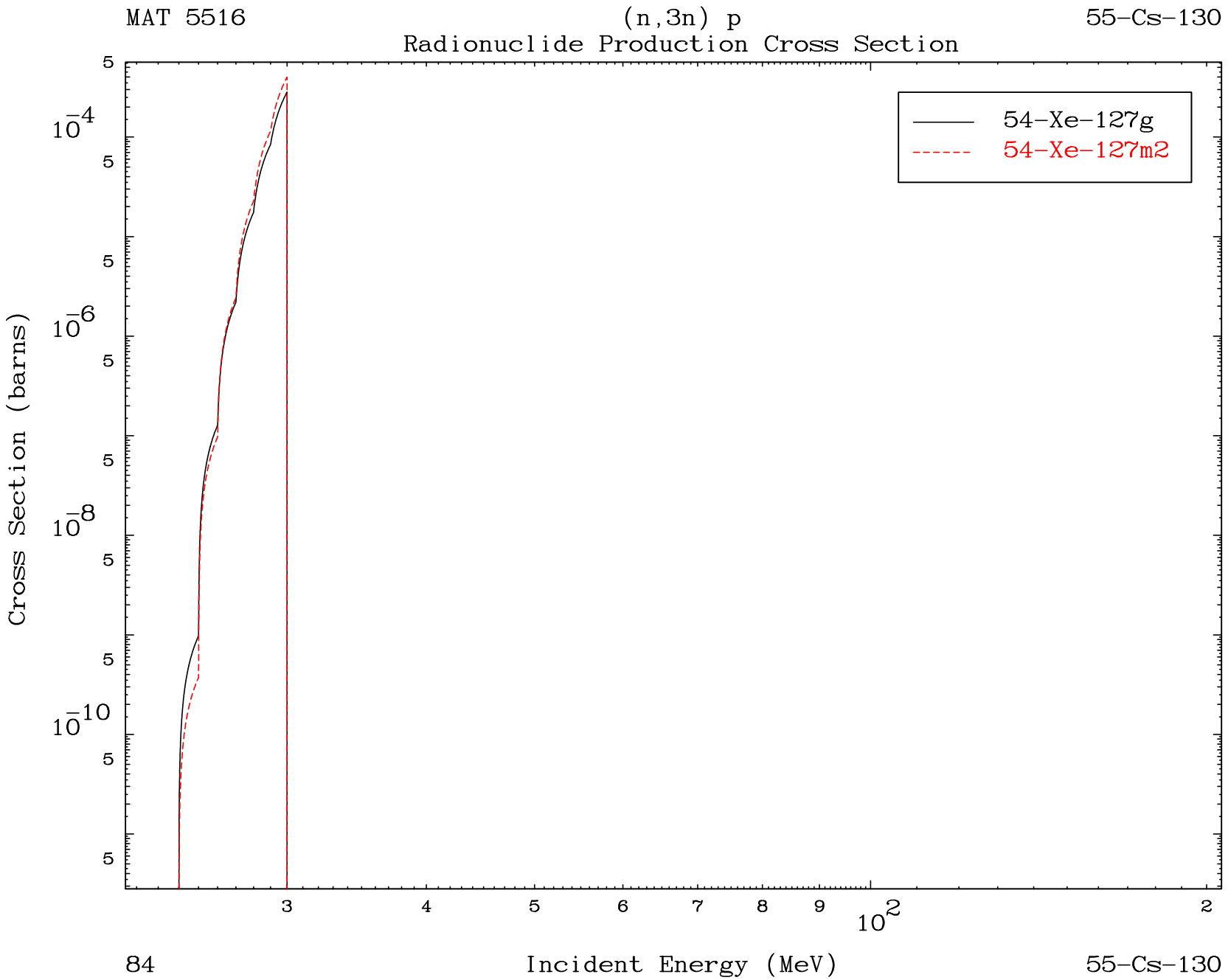

MAT 5516
Inelastic
55-Cs-130
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
Incident Energy (MeV)
79
55-Cs-130

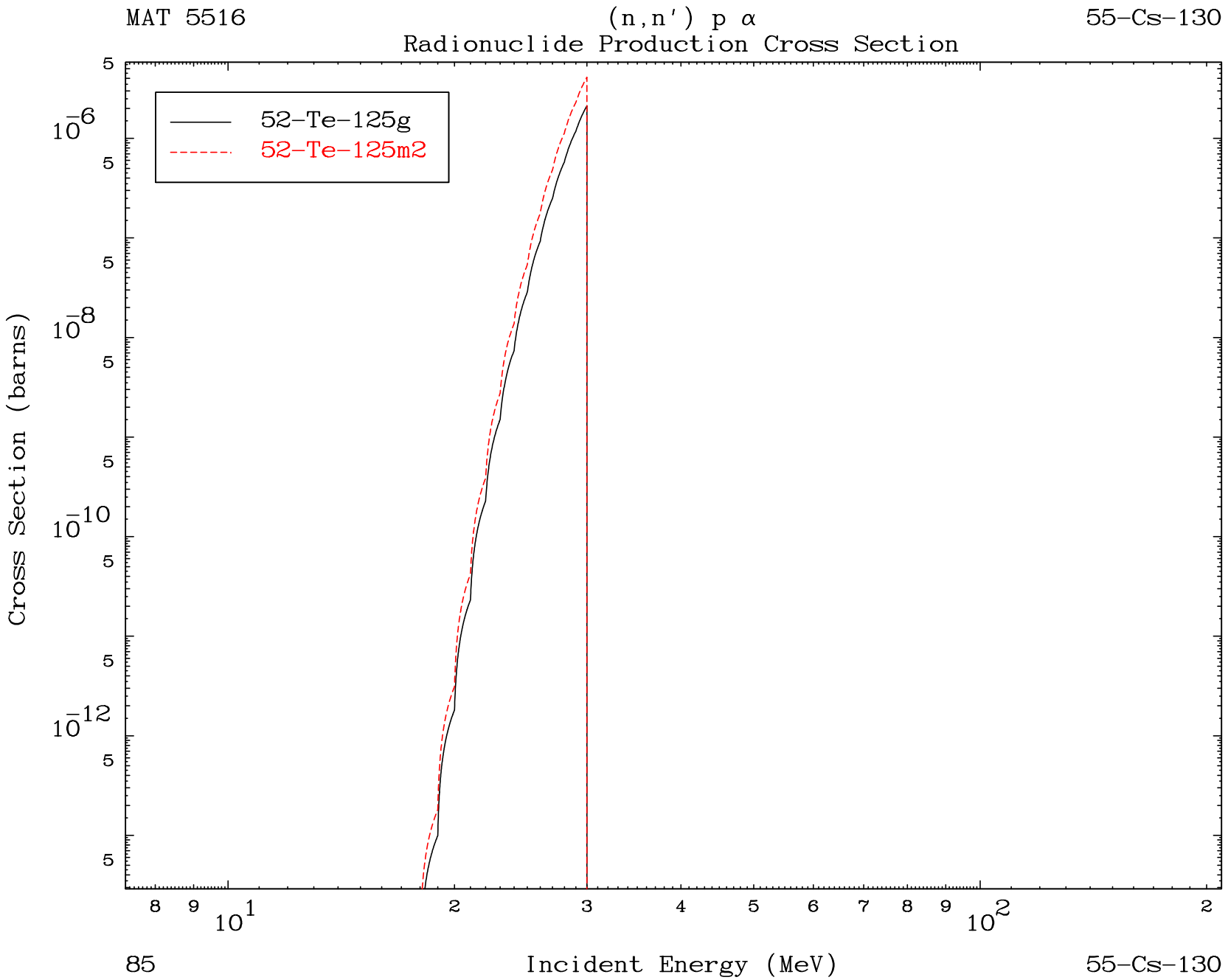

MAT 5516
(n,2n) d
55-Cs-130
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
80
Incident Energy (MeV)
55-Cs-130

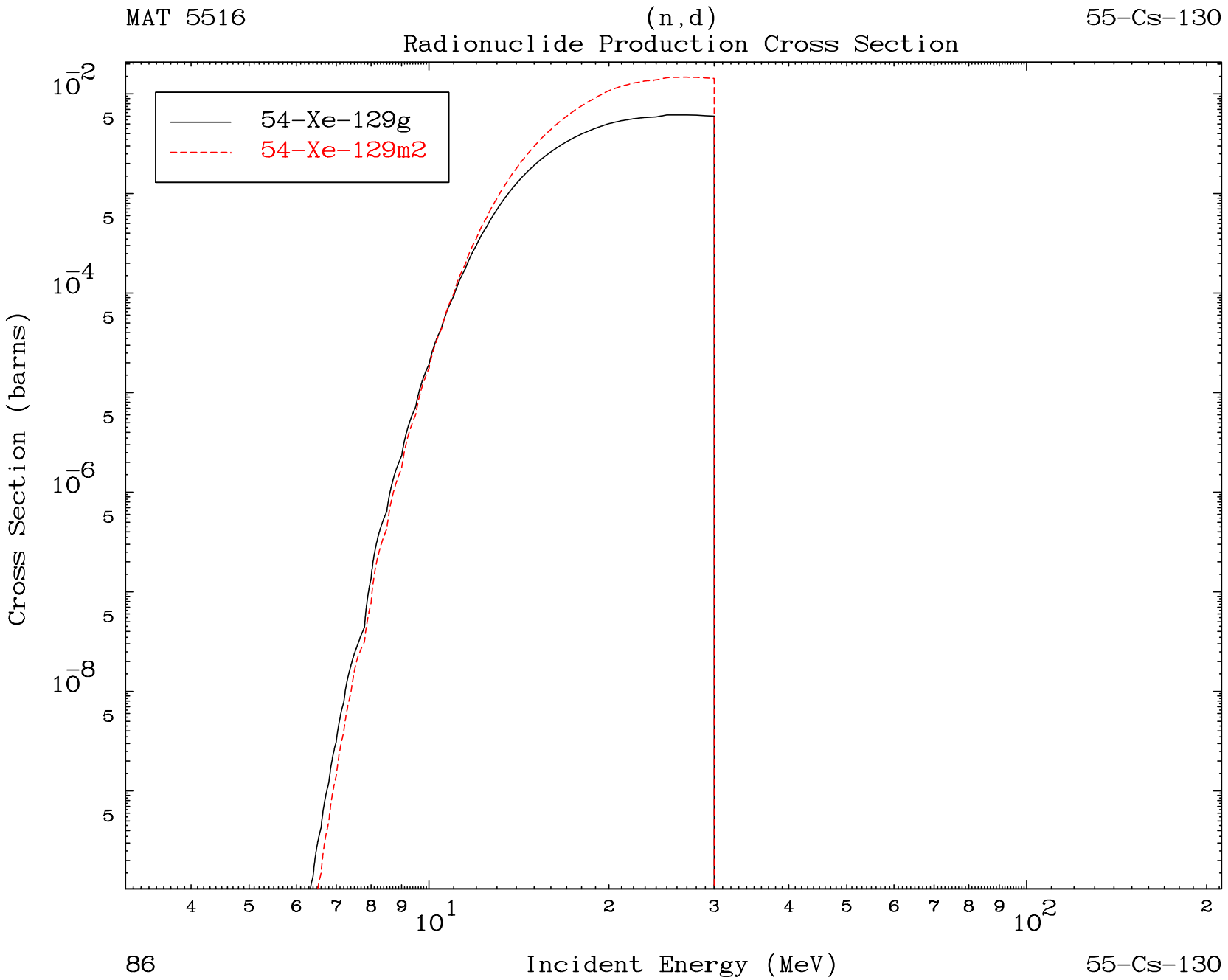

MAT 5516
(n,n') p
55-Cs-130
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
Incident Energy (MeV)
81
55-Cs-130

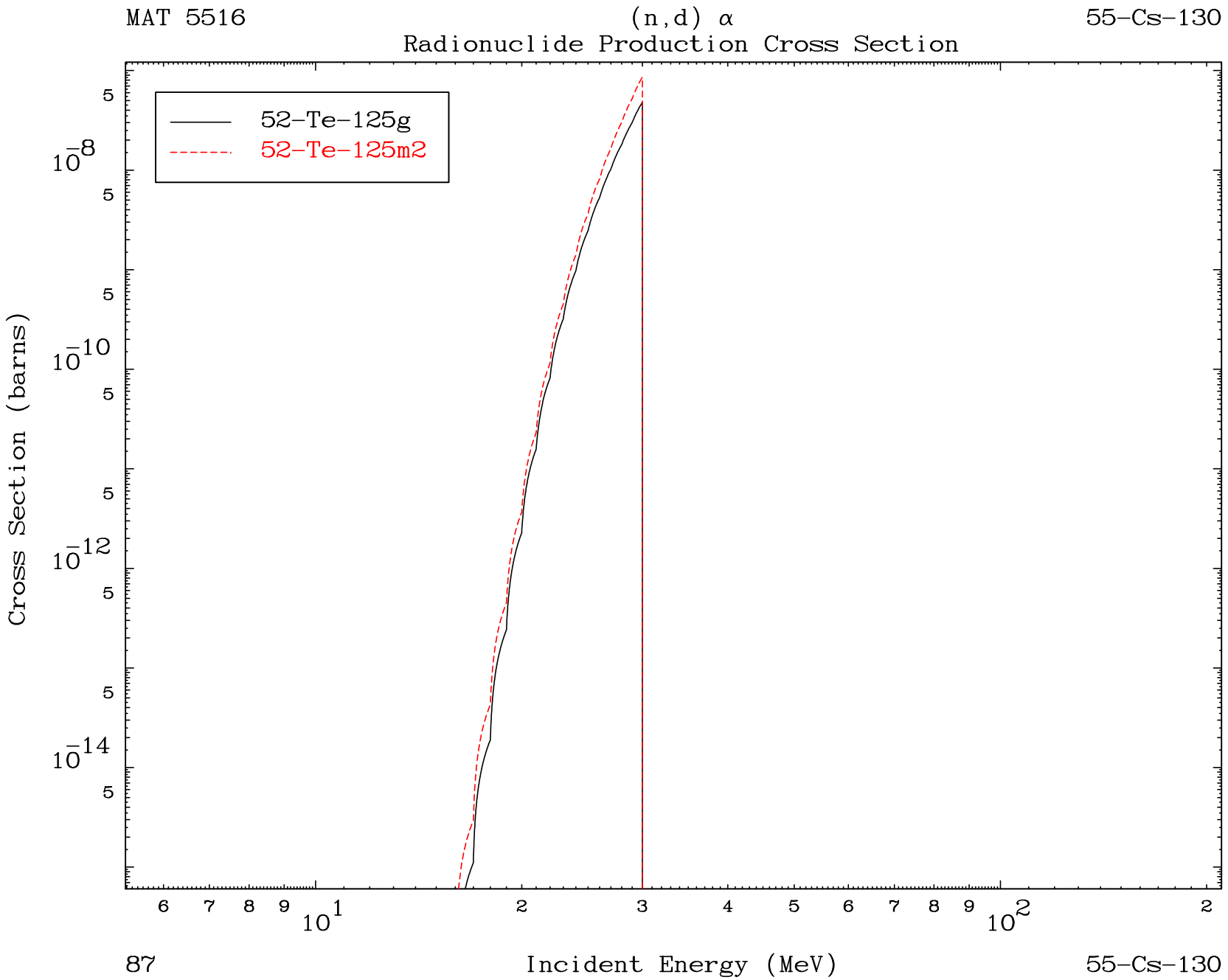

MAT 5516
(n,n') 2α
55-Cs-130
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
82
Incident Energy (MeV)
55-Cs-130


MAT 5516
(n,n') t
55-Cs-130
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
83
Incident Energy (MeV)
55-Cs-130


MAT 5516
(n,3n) p
55-Cs-130
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
84
Incident Energy (MeV)
55-Cs-130


MAT 5516
(n,n') p α
55-Cs-130
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
85
55-Cs-130


MAT 5516
(n,d)
55-Cs-130
Radionuclide Production Cross Section
54-Xe-129g
54-Xe-129m2
Cross Section (barns)
Incident Energy (MeV)
86
55-Cs-130


MAT 5516
(n,d) α
55-Cs-130
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
87
55-Cs-130