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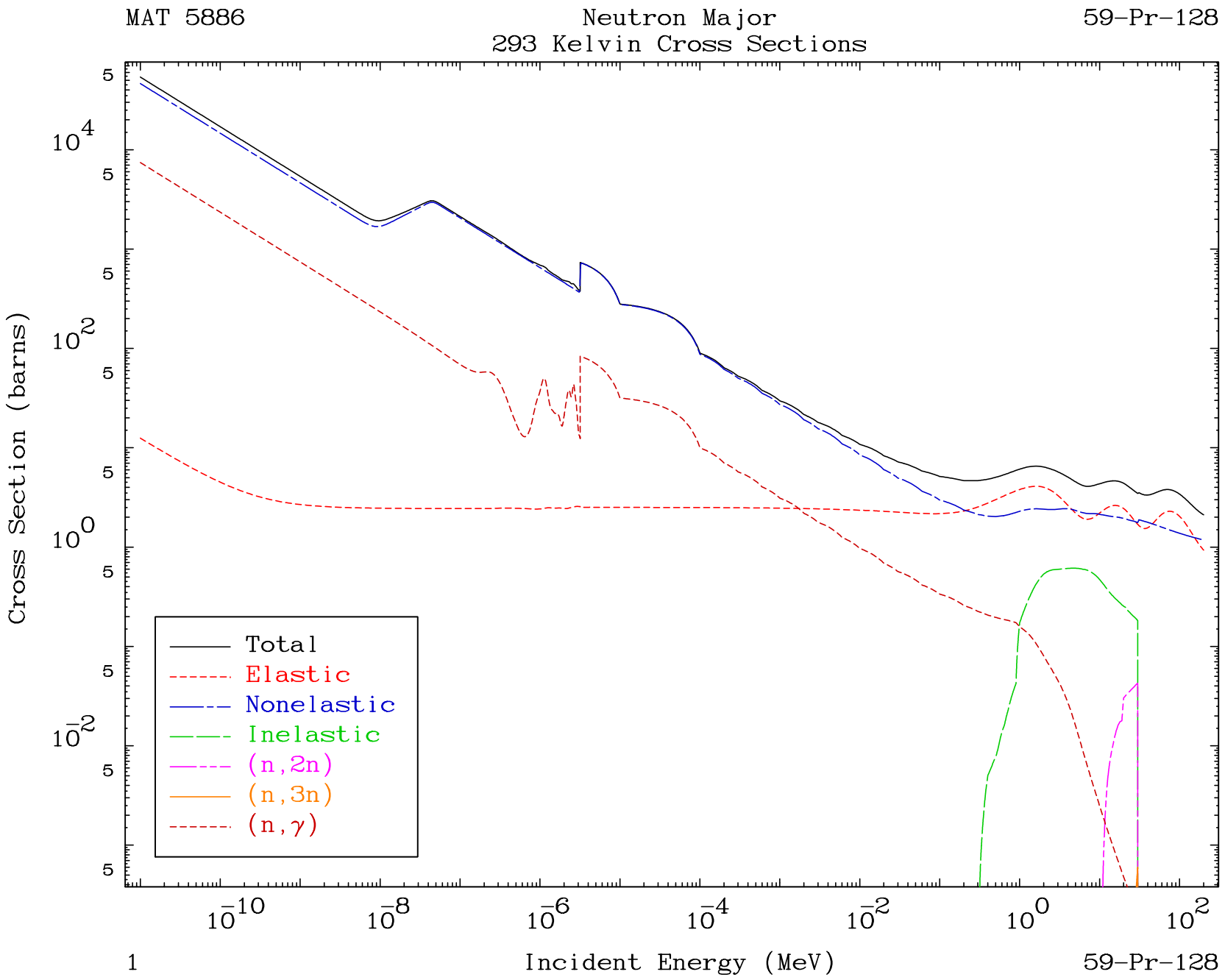
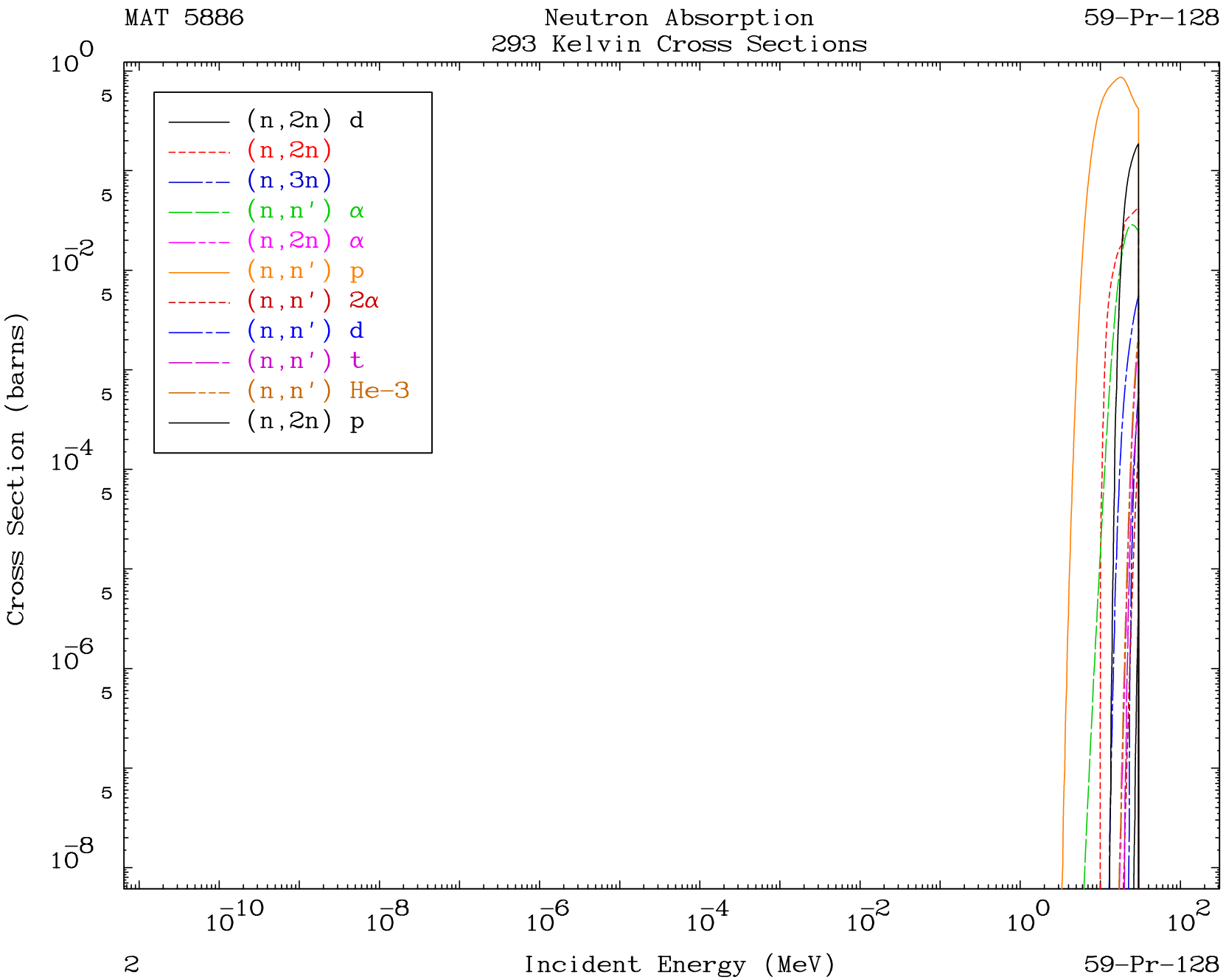
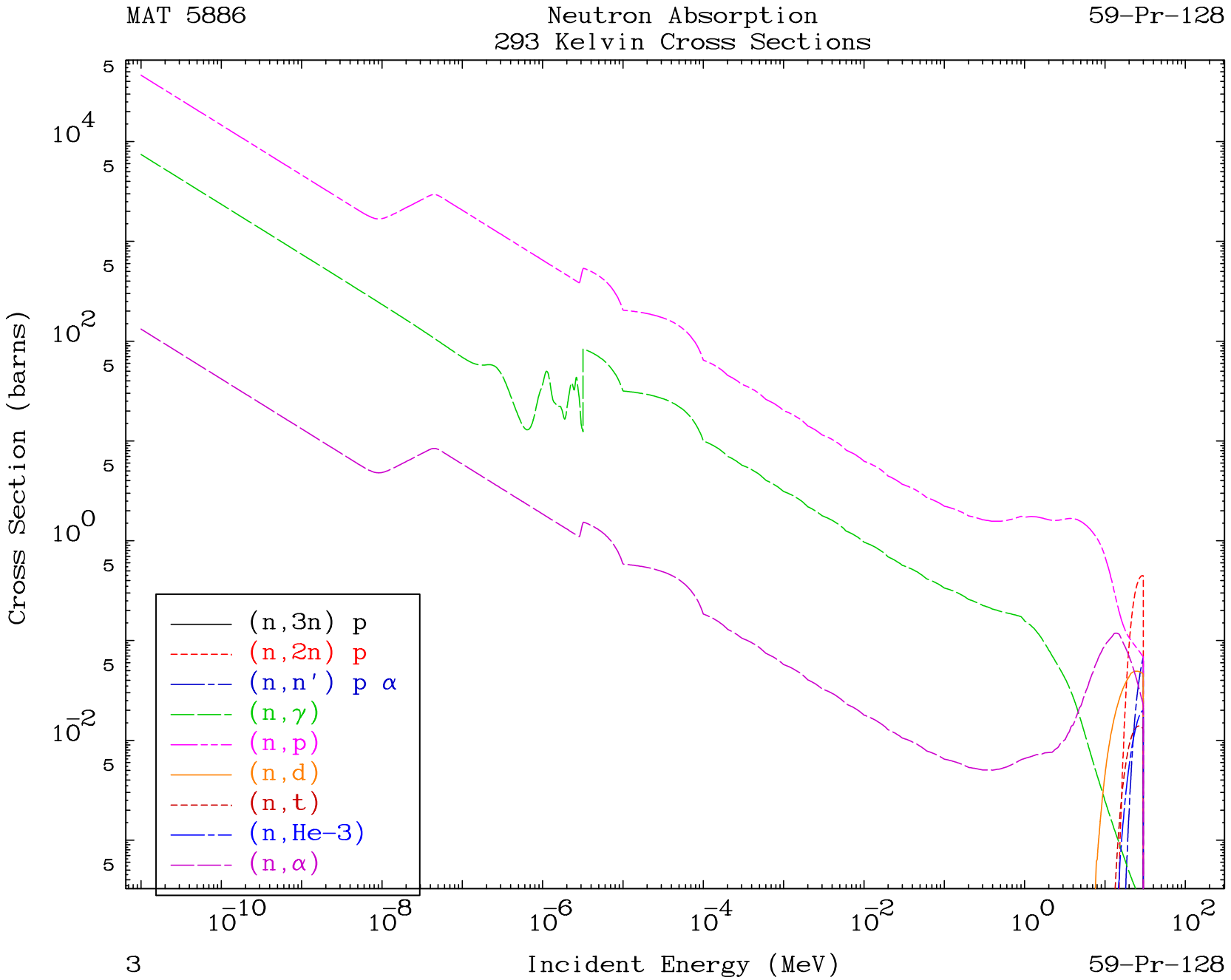
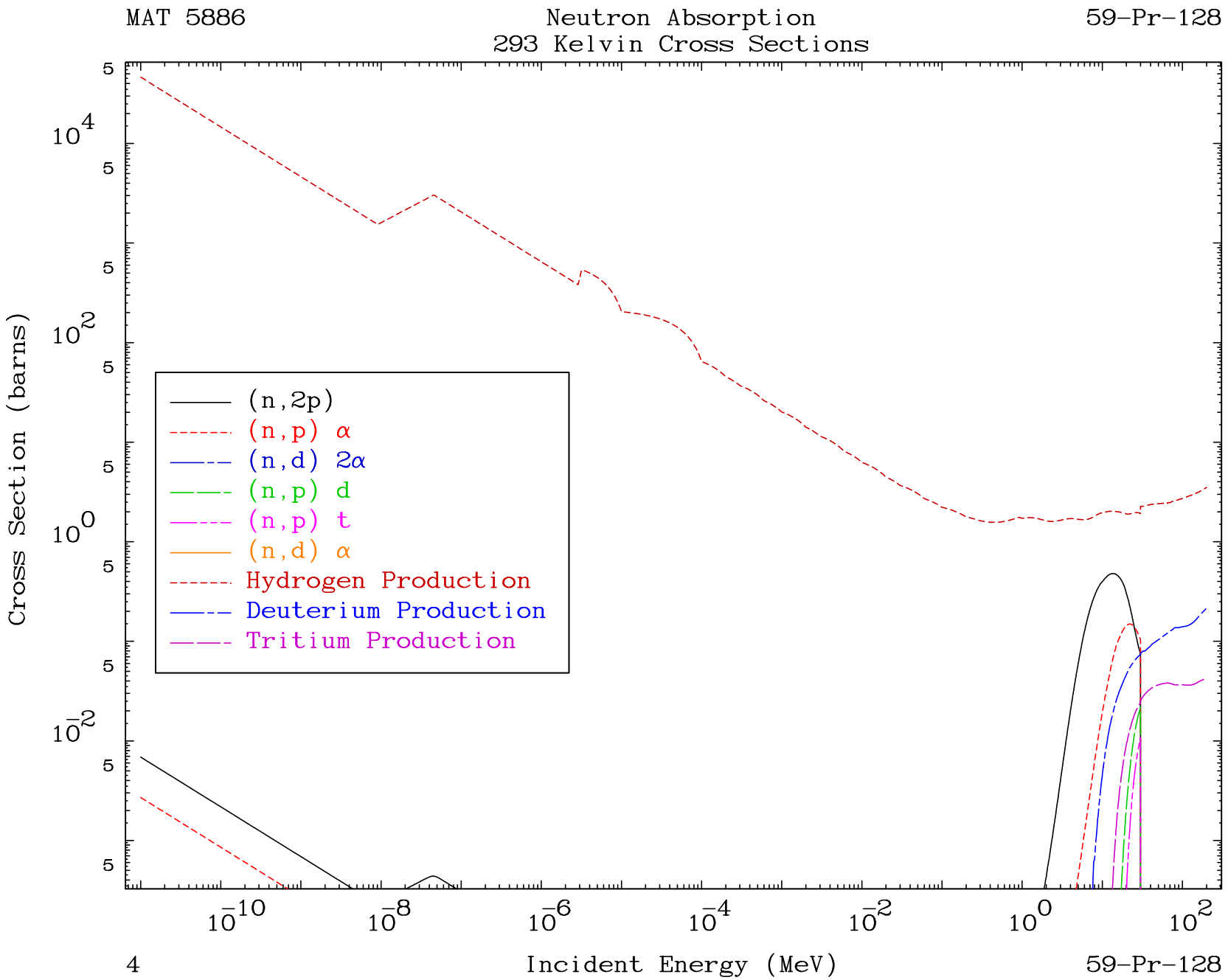
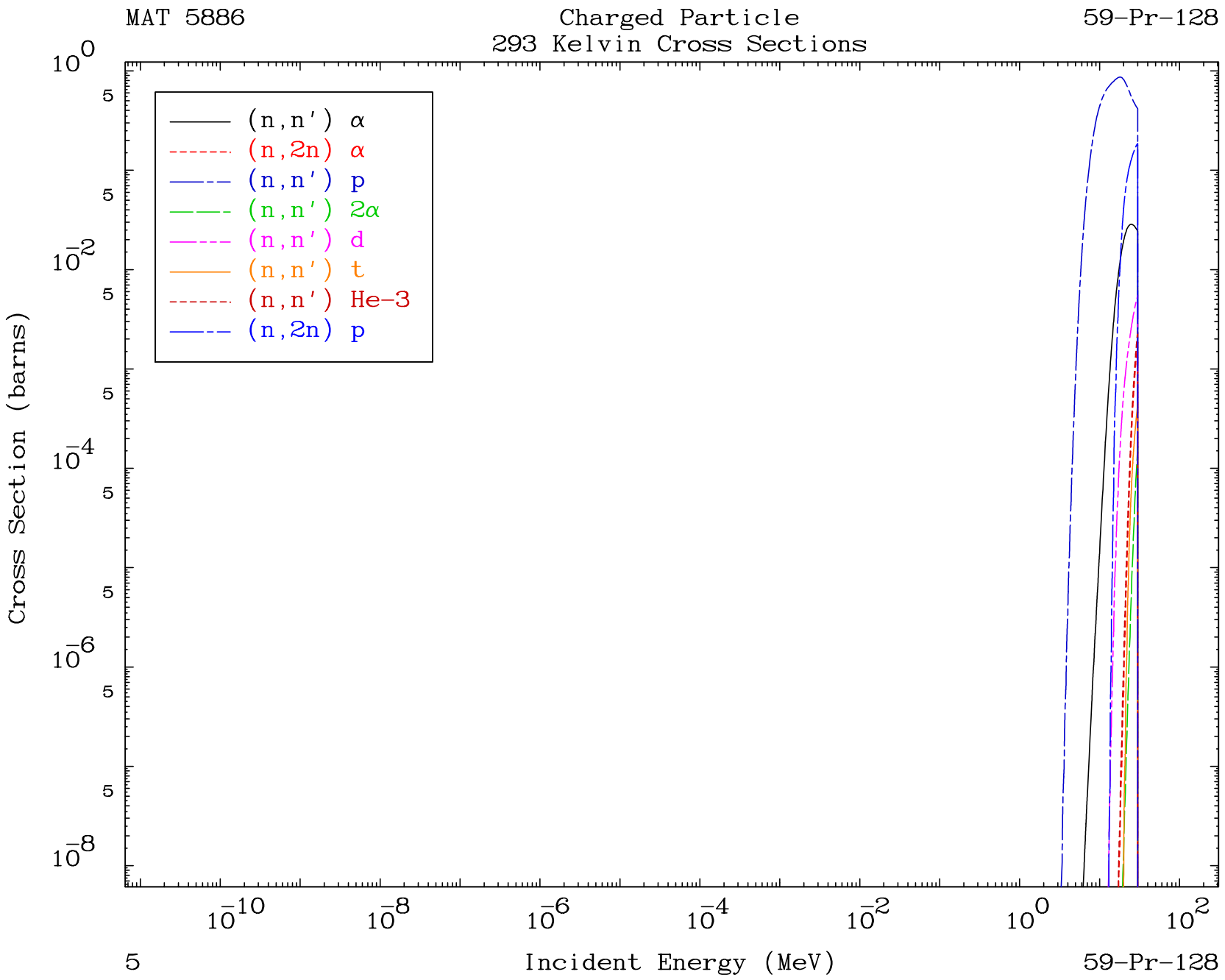
Press Mouse Button to Start

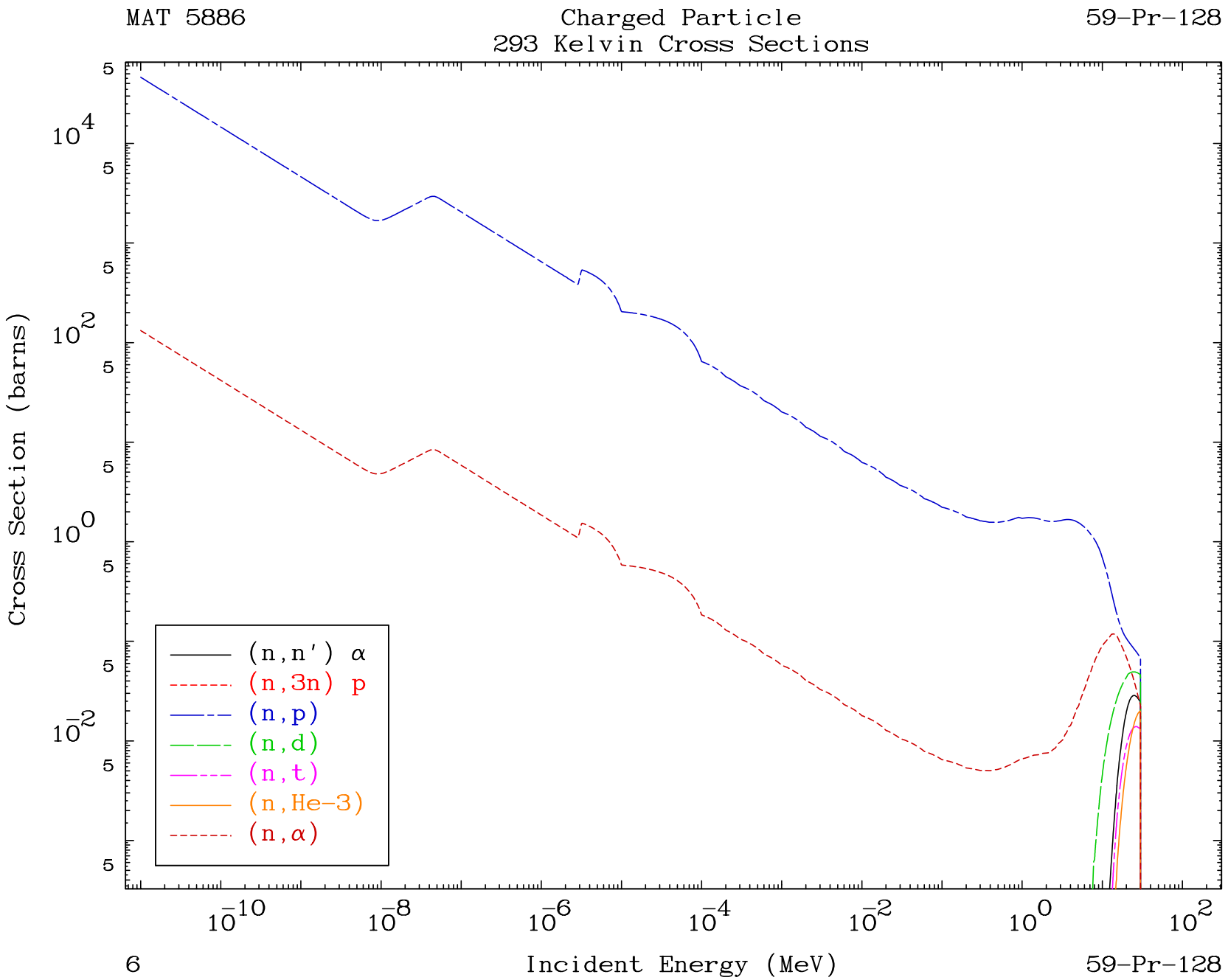

MAT 5886
Neutron Major
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
59-Pr-128

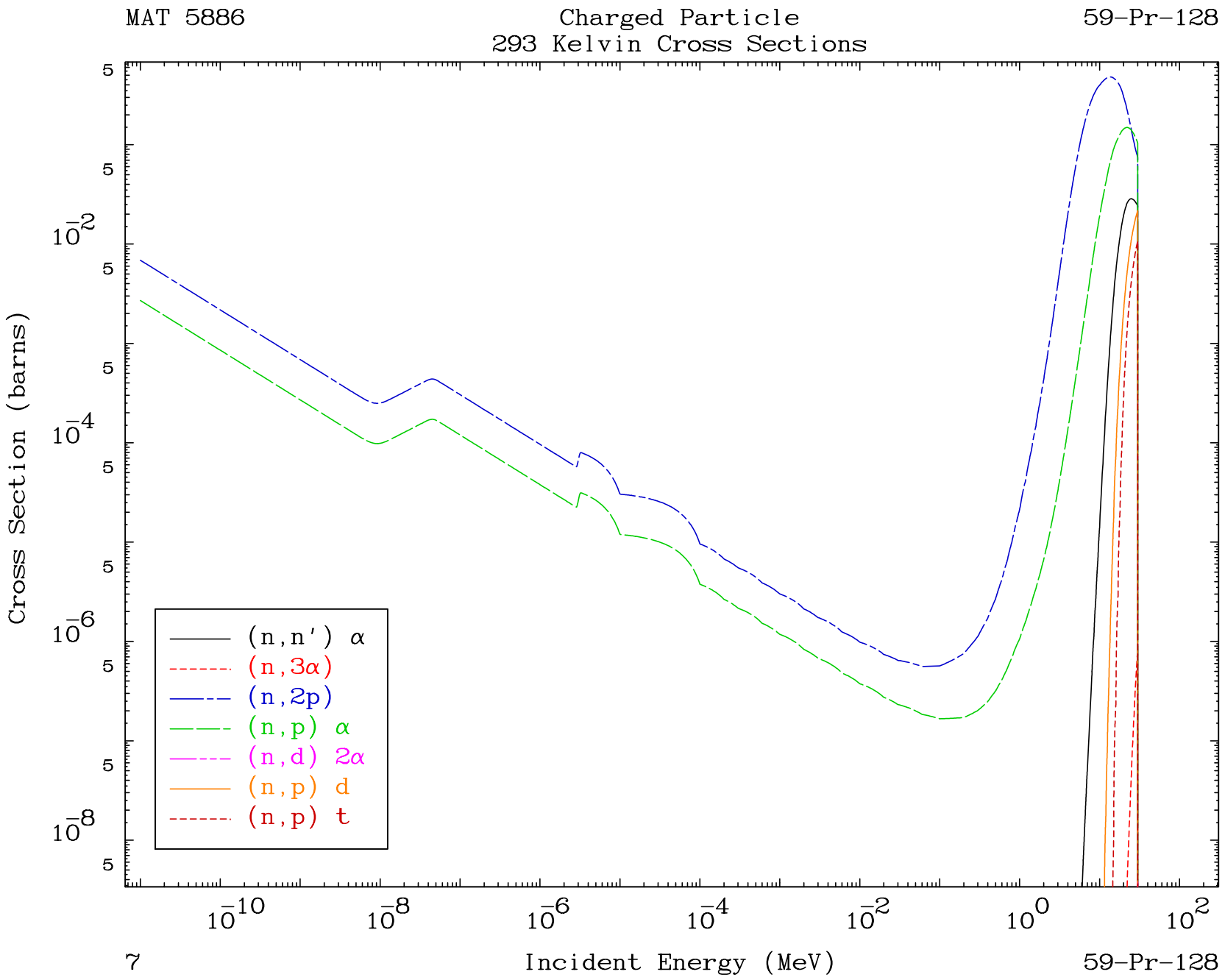

MAT 5886
Neutron Absorption
293 Kelvin Cross Sections
59-Pr-128
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
2
59-Pr-128

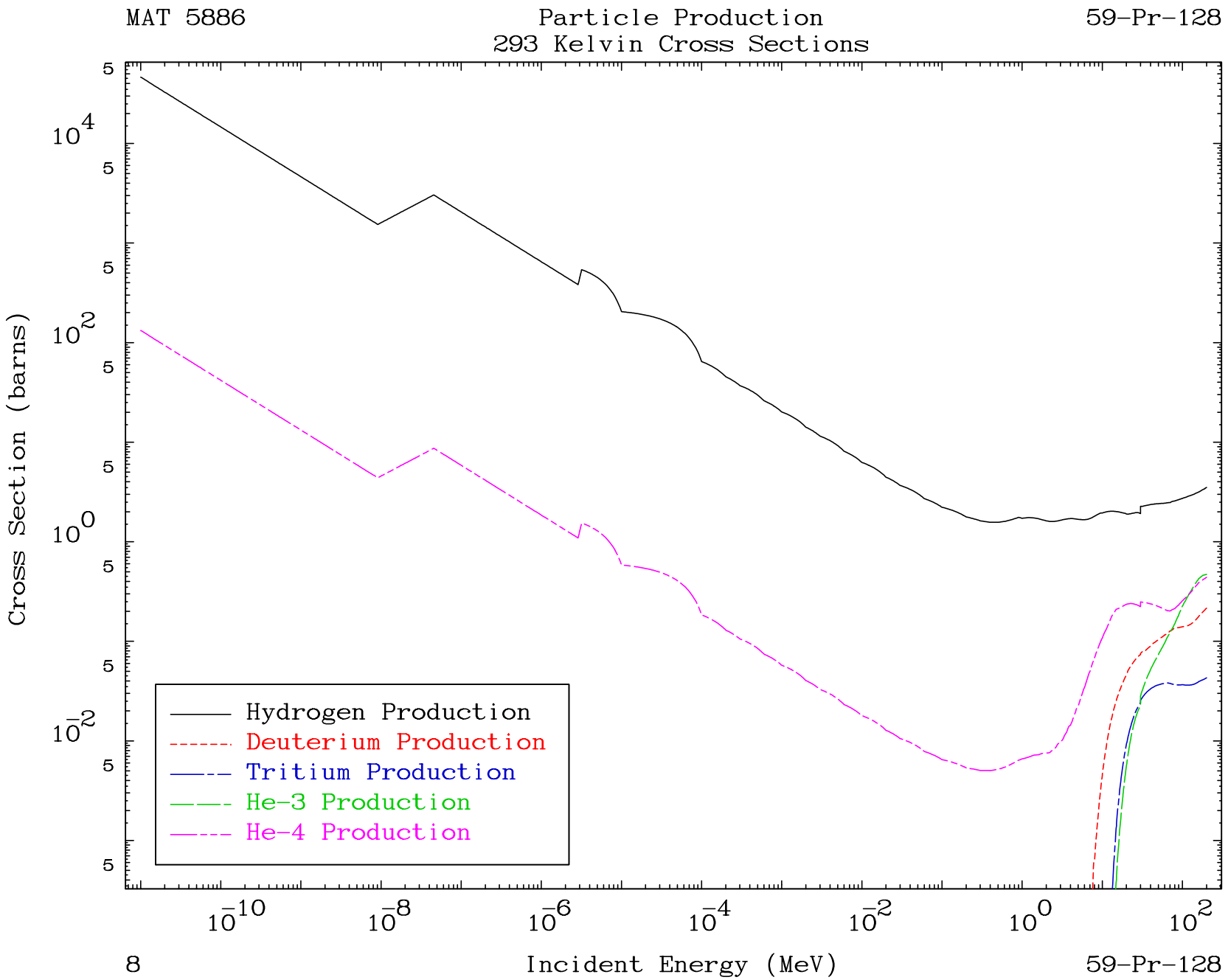

MAT 5886
Neutron Absorption
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
3
59-Pr-128

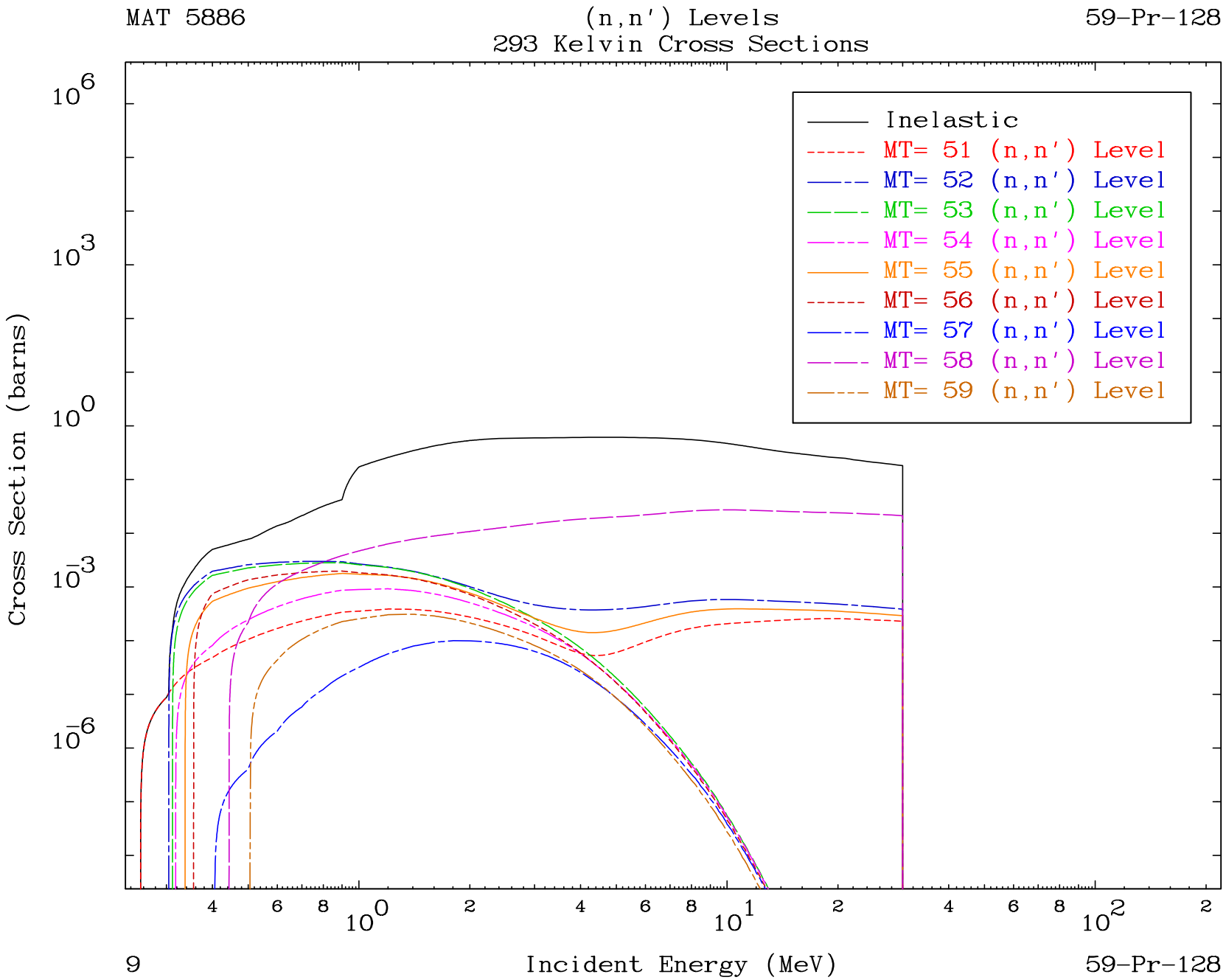

MAT 5886
Neutron Absorption
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
4
59-Pr-128

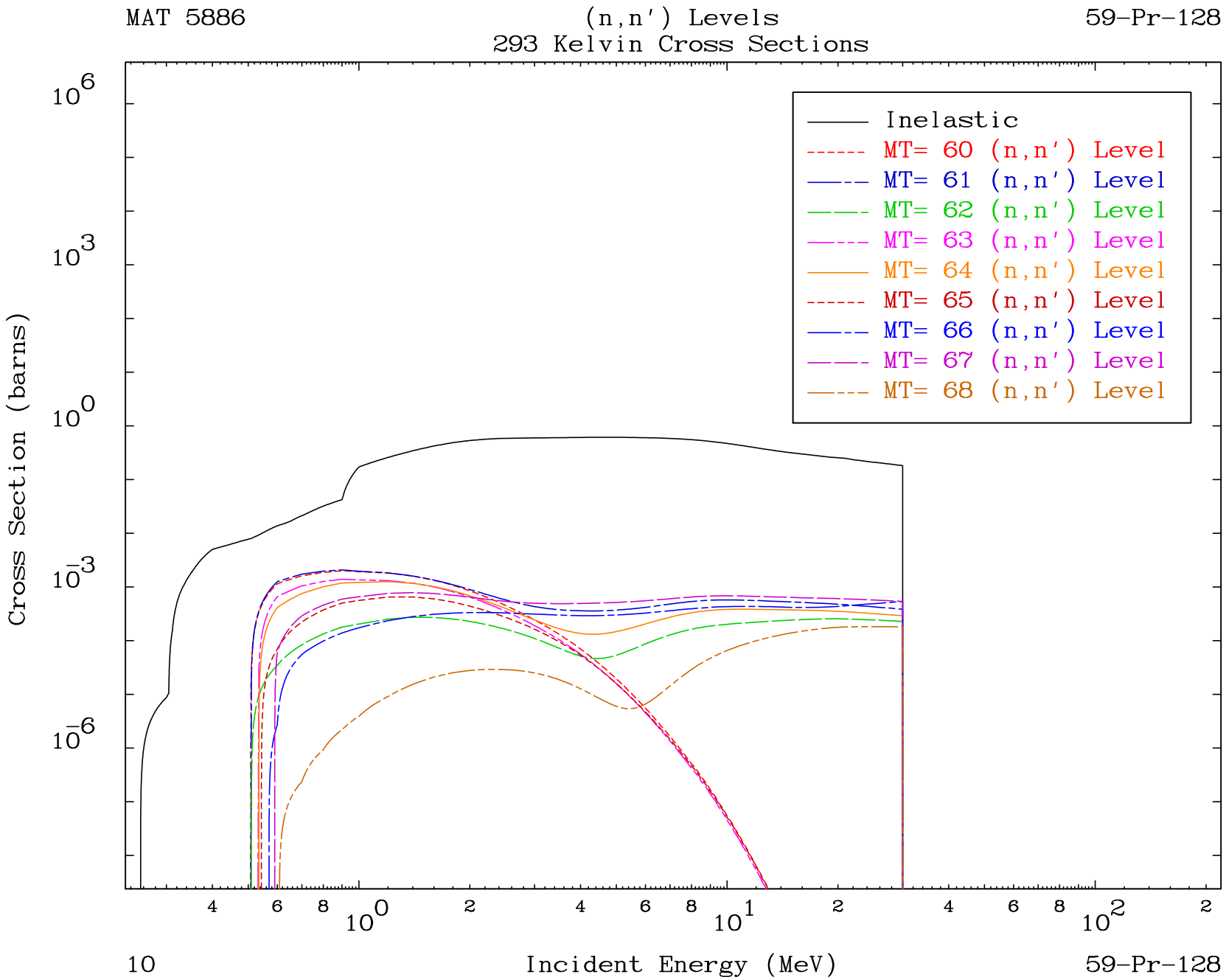

MAT 5886
Charged Particle
293 Kelvin Cross Sections
59-Pr-128
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-128
5

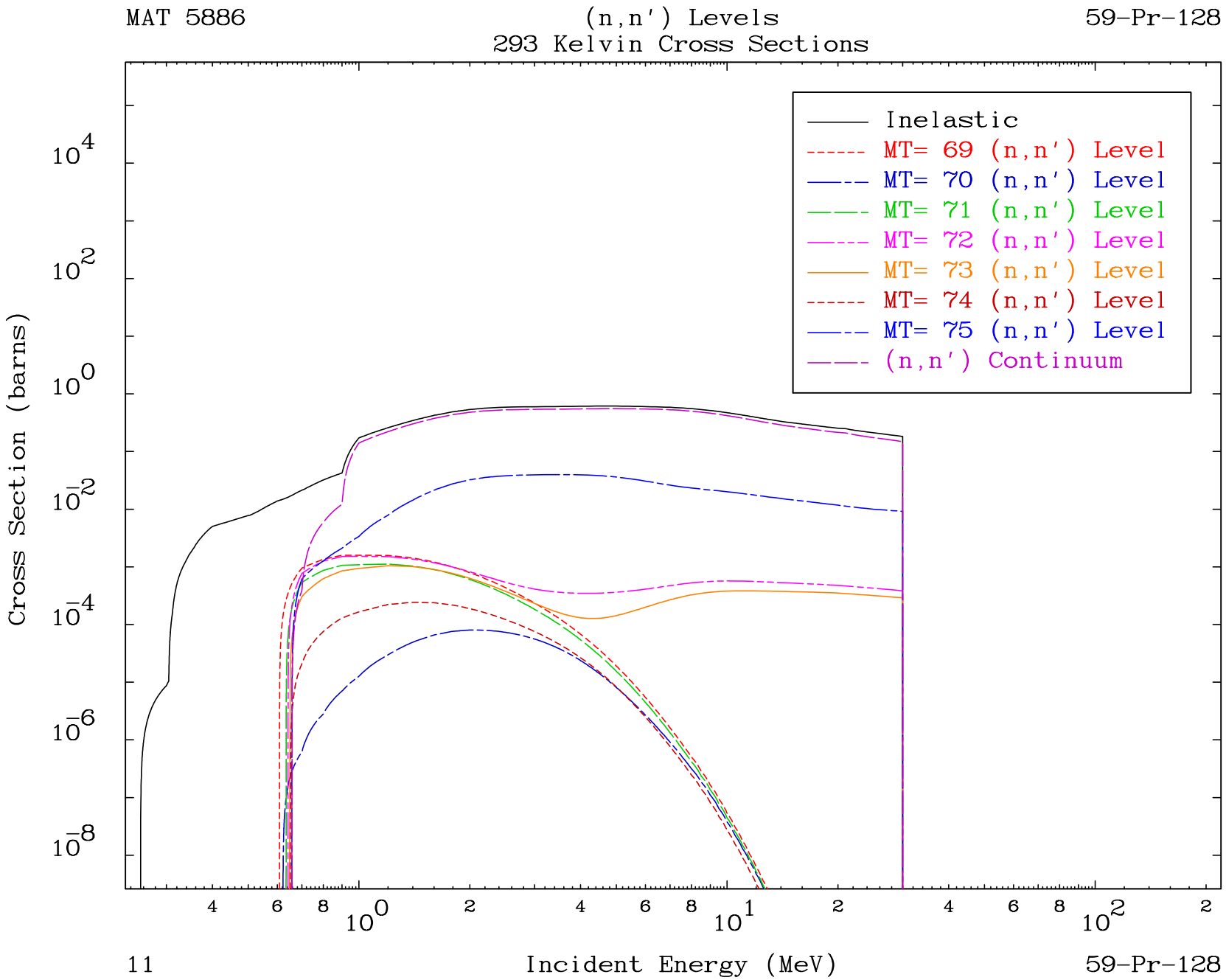

MAT 5886
Charged Particle
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
6
59-Pr-128

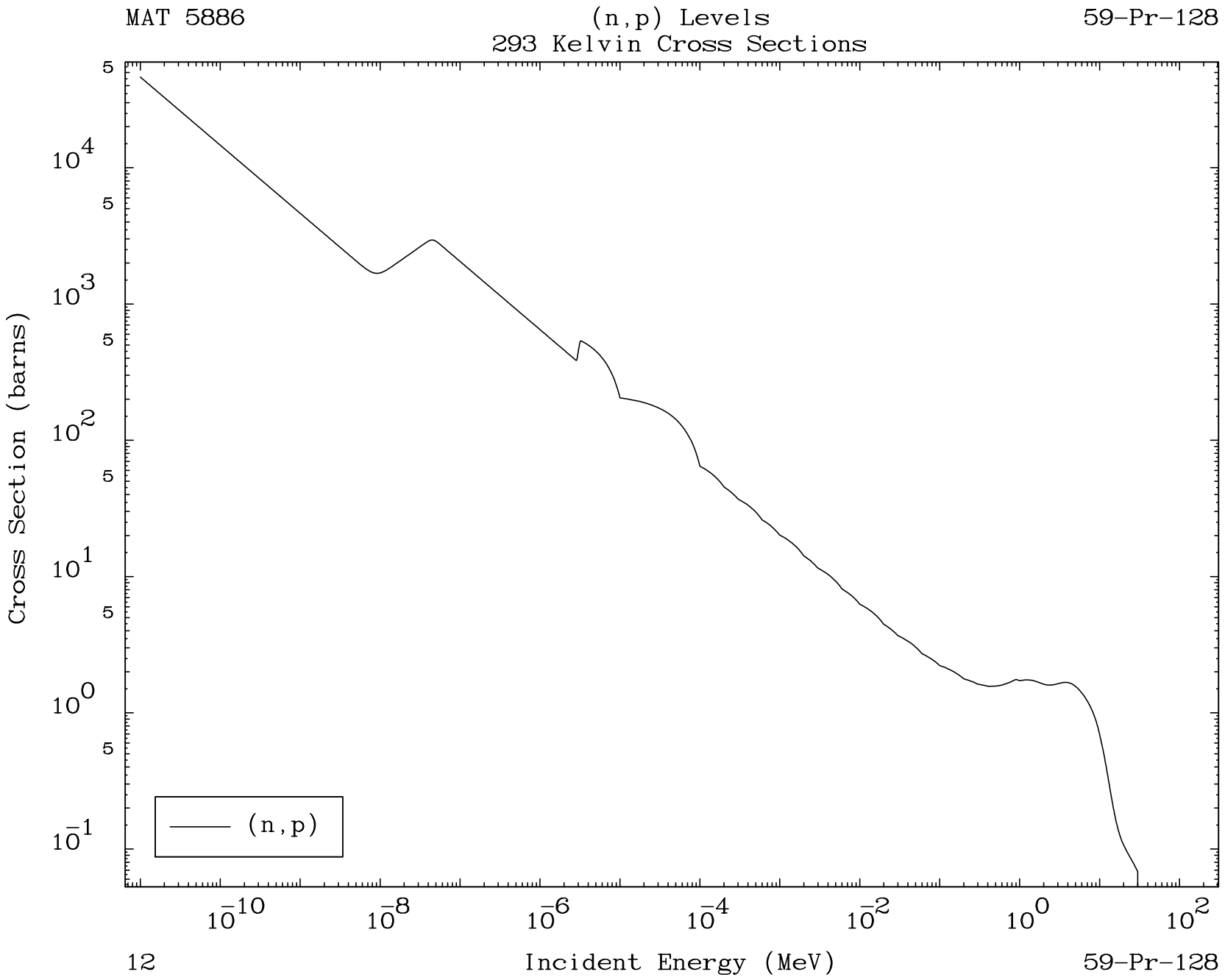

MAT 5886
Charged Particle
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
7
59-Pr-128

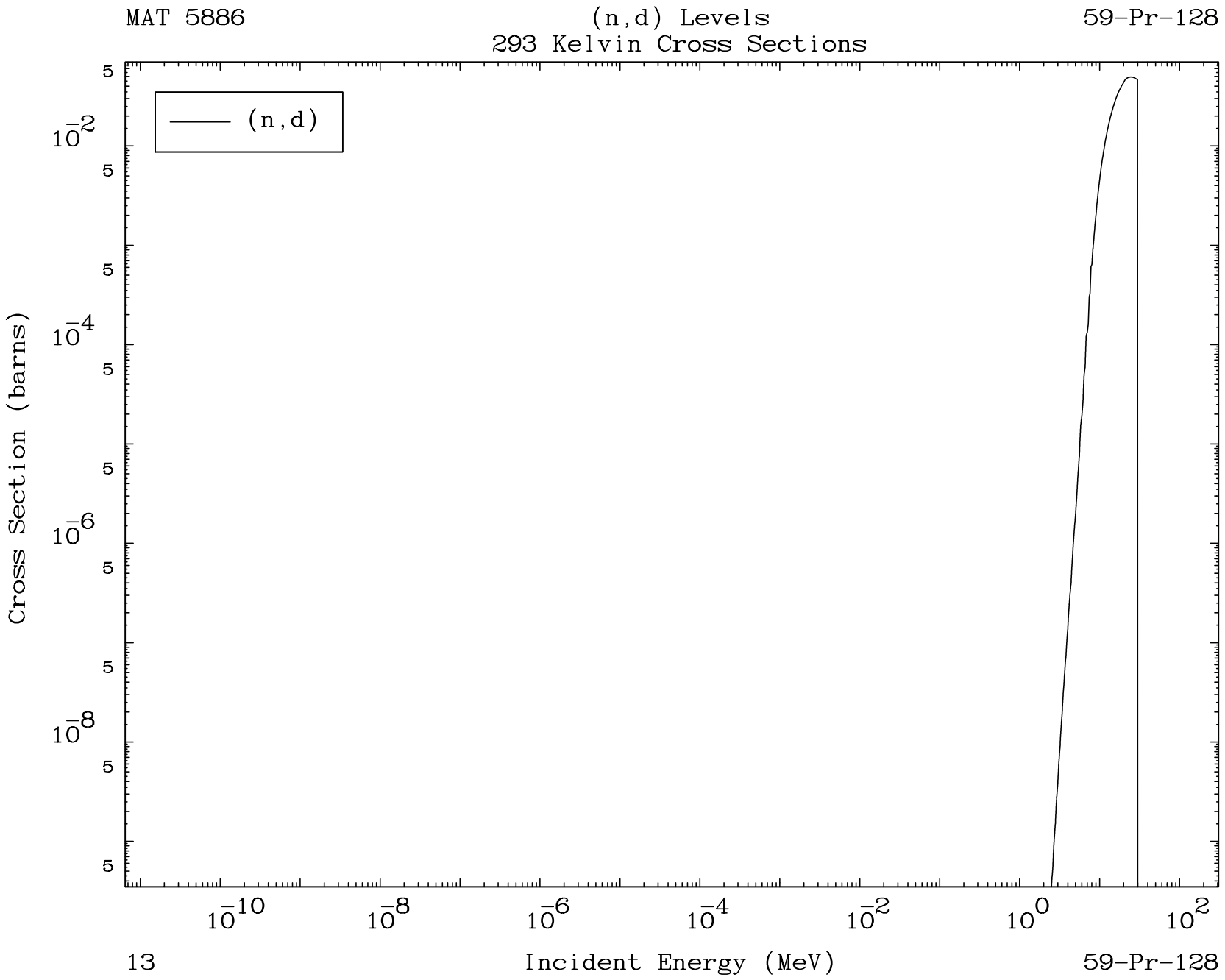

MAT 5886
Particle Production
293 Kelvin Cross Sections
59-Pr-128
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
8
59-Pr-128

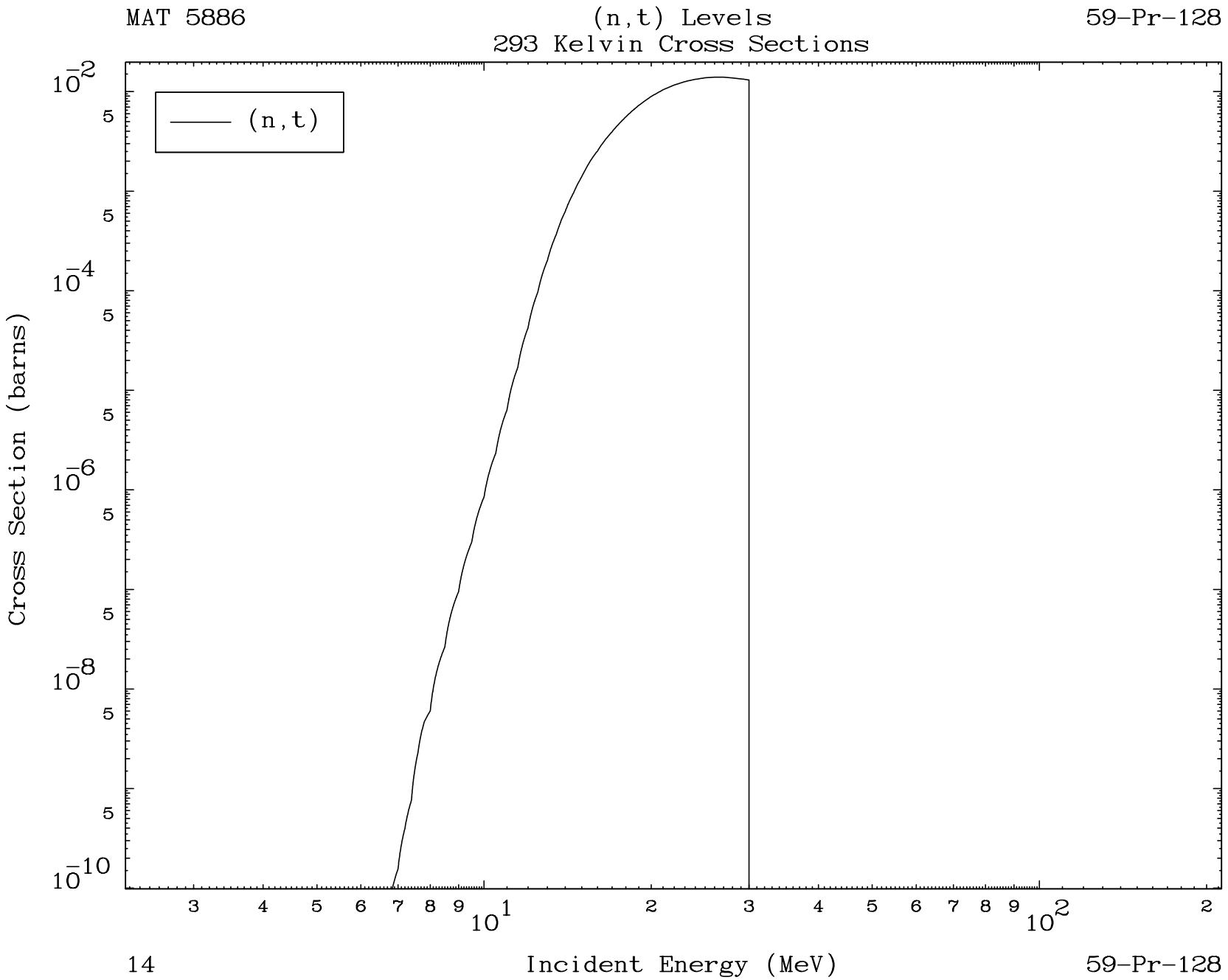

MAT 5886
(n,n') Levels
293 Kelvin Cross Sections
59-Pr-128
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-128

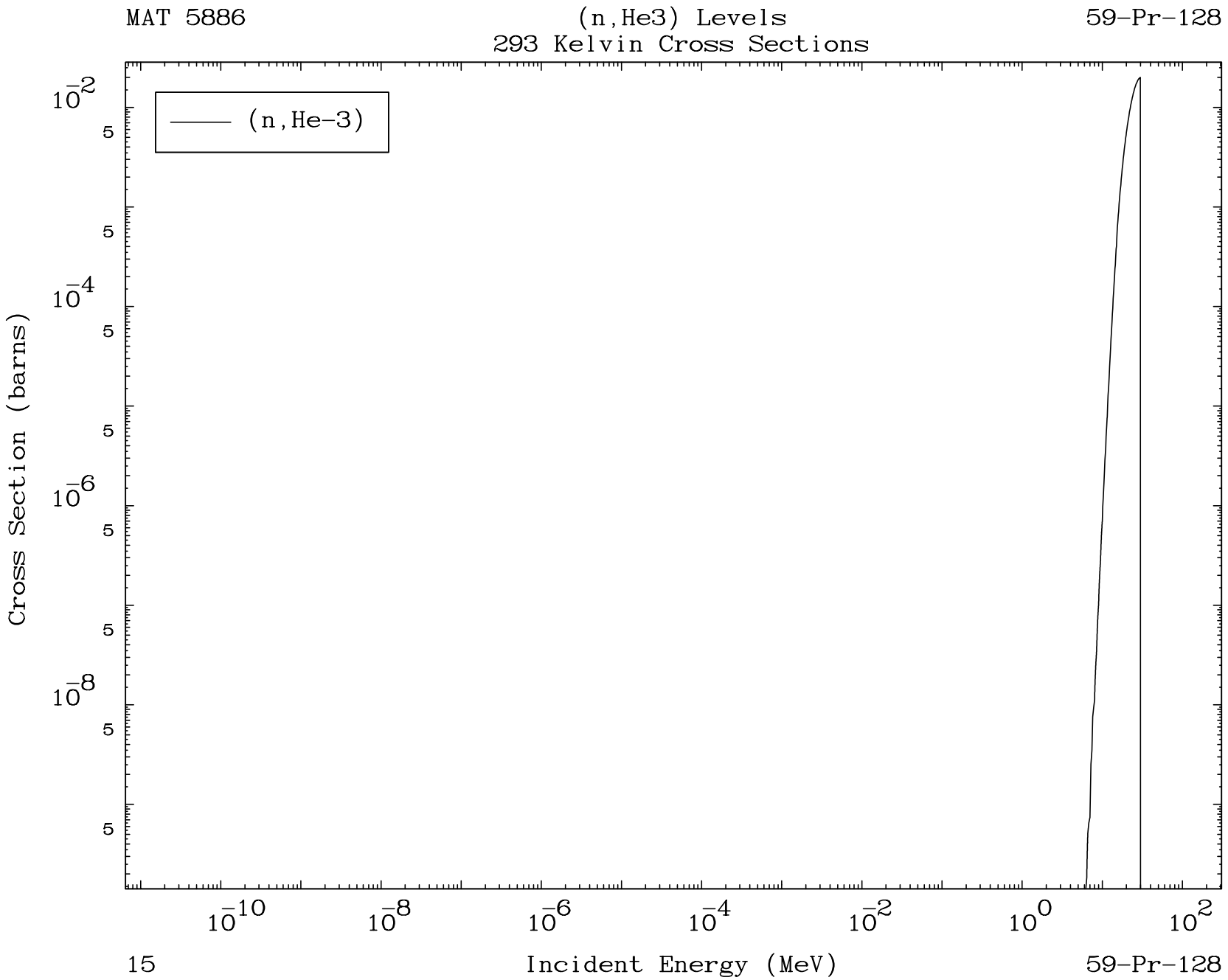

MAT 5886
(n,n') Levels
293 Kelvin Cross Sections
59-Pr-128
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
10
59-Pr-128

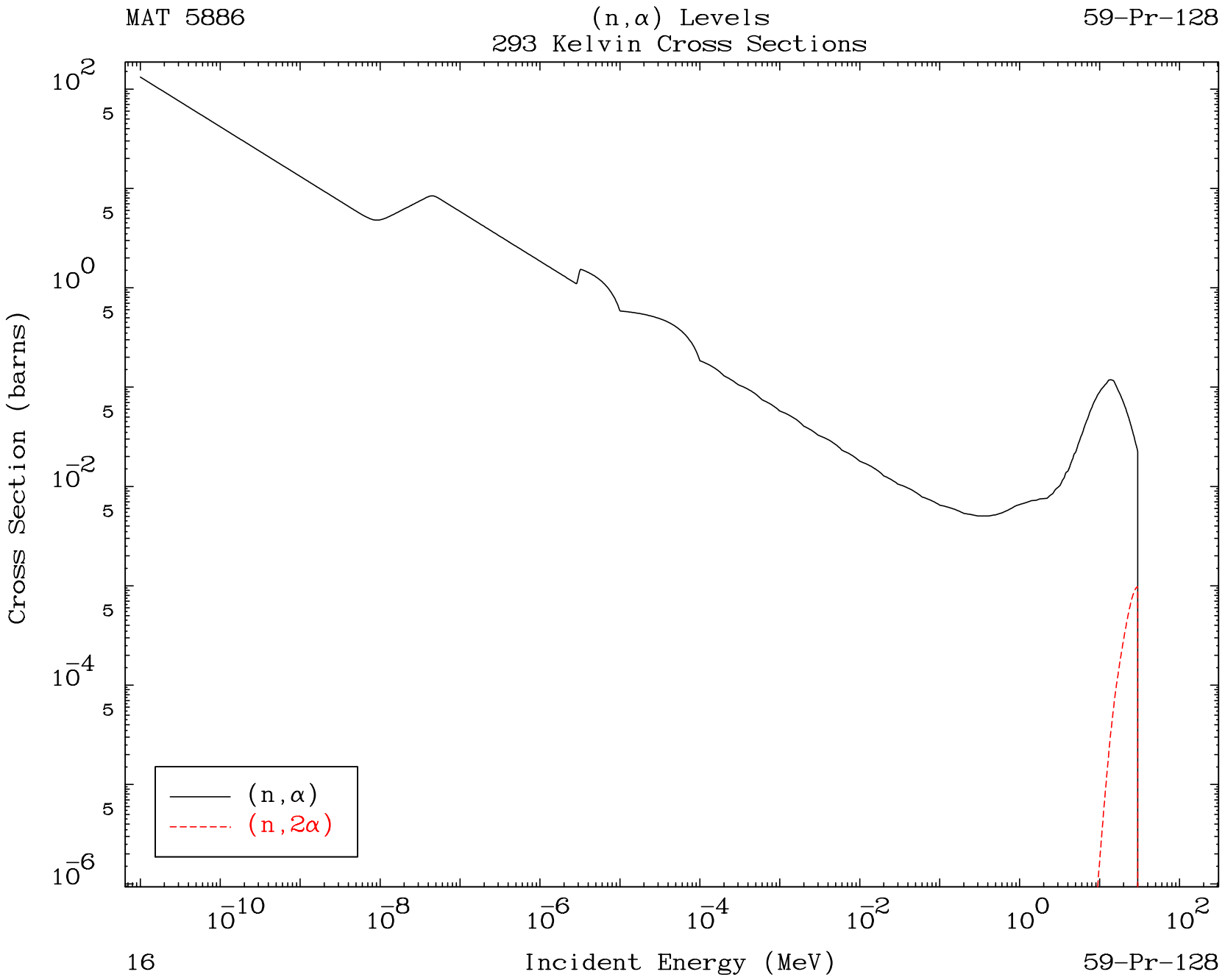

MAT 5886
(n,n') Levels
293 Kelvin Cross Sections
59-Pr-128
Inelastic
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-128

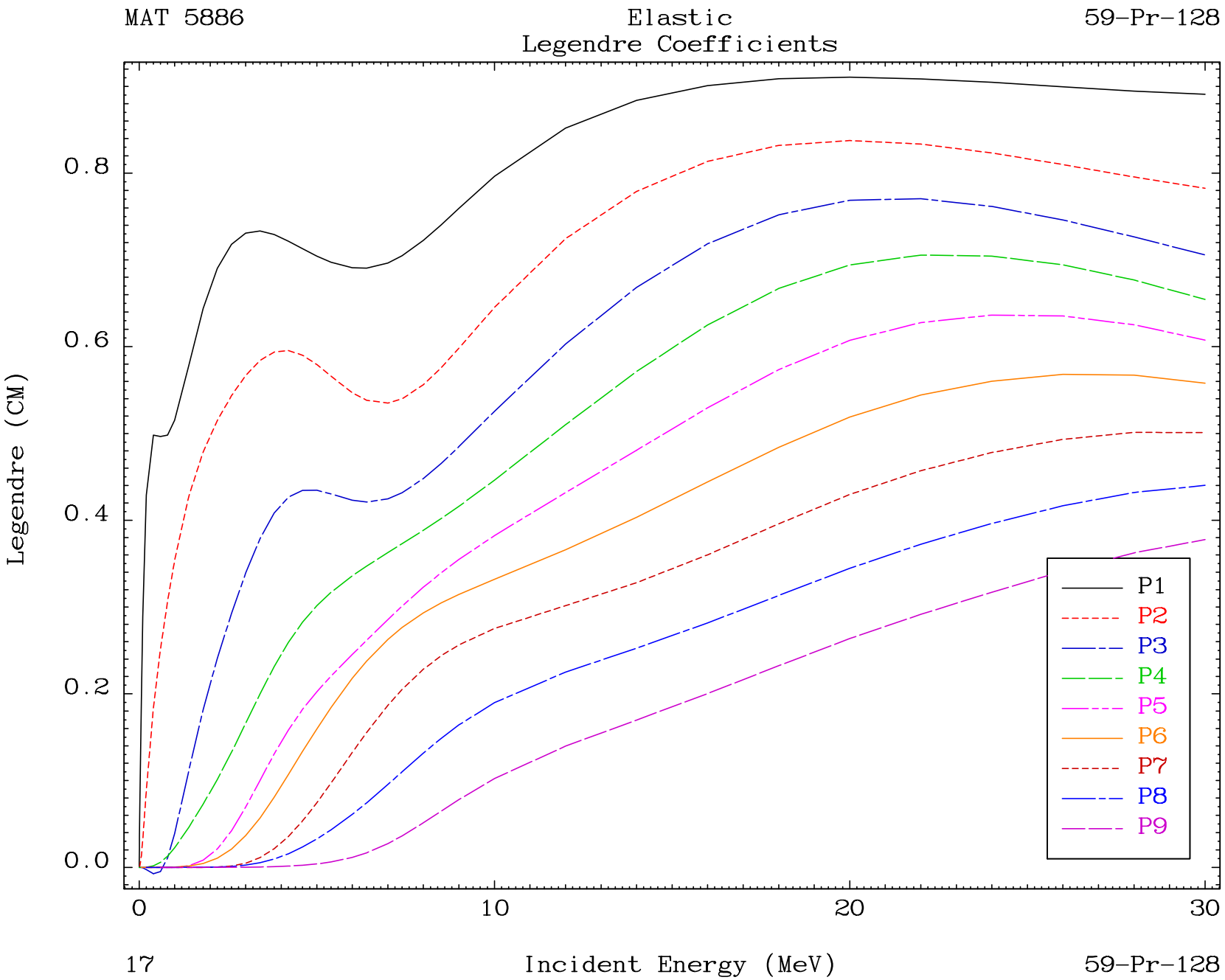

MAT 5886
(n,p) Levels
59-Pr-128
293 Kelvin Cross Sections
Cross Section (barns)
10^4
10^3
10^2
10^1
10^0
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
12
Incident Energy (MeV)
59-Pr-128

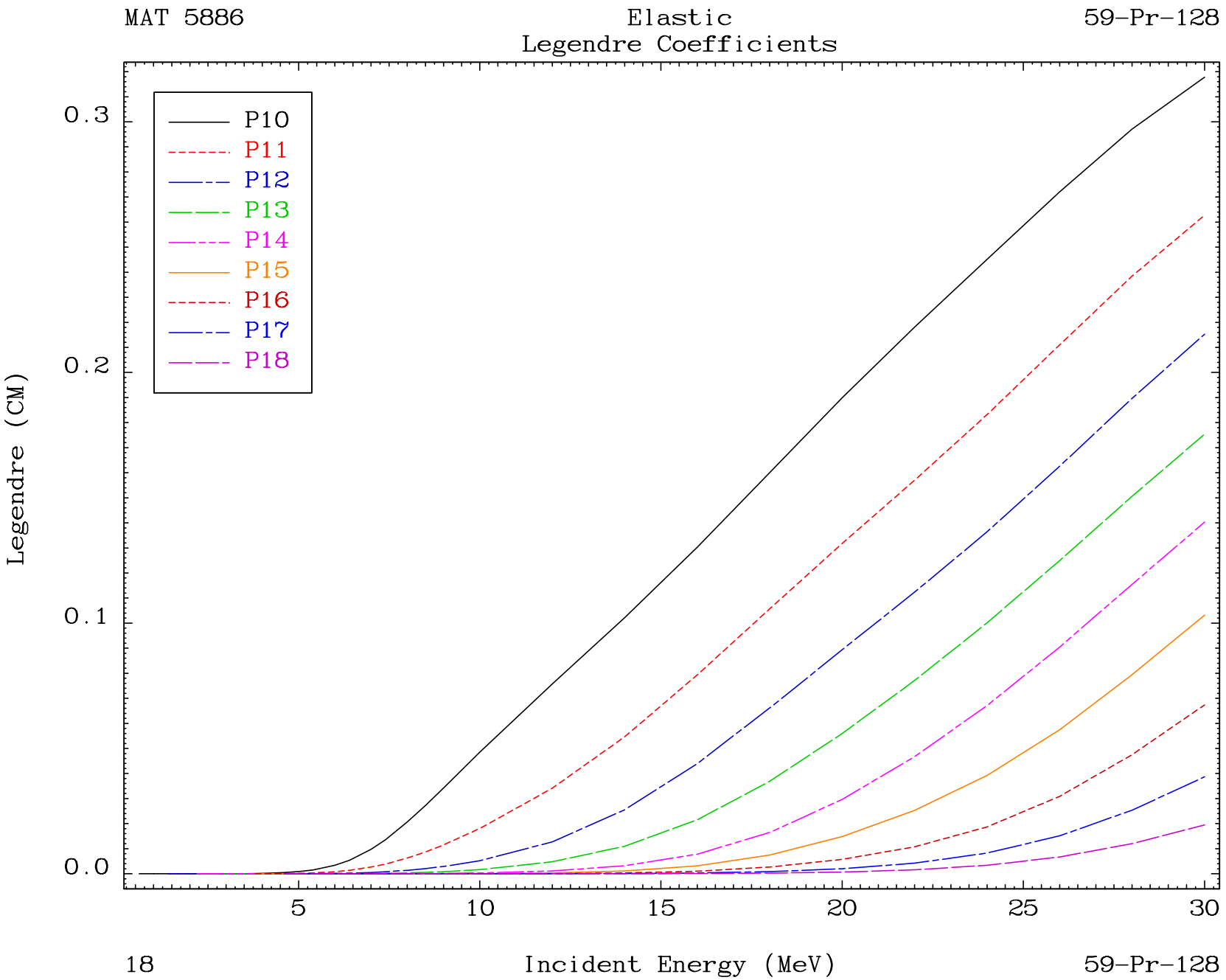

MAT 5886
(n,d) Levels
59-Pr-128
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
59-Pr-128

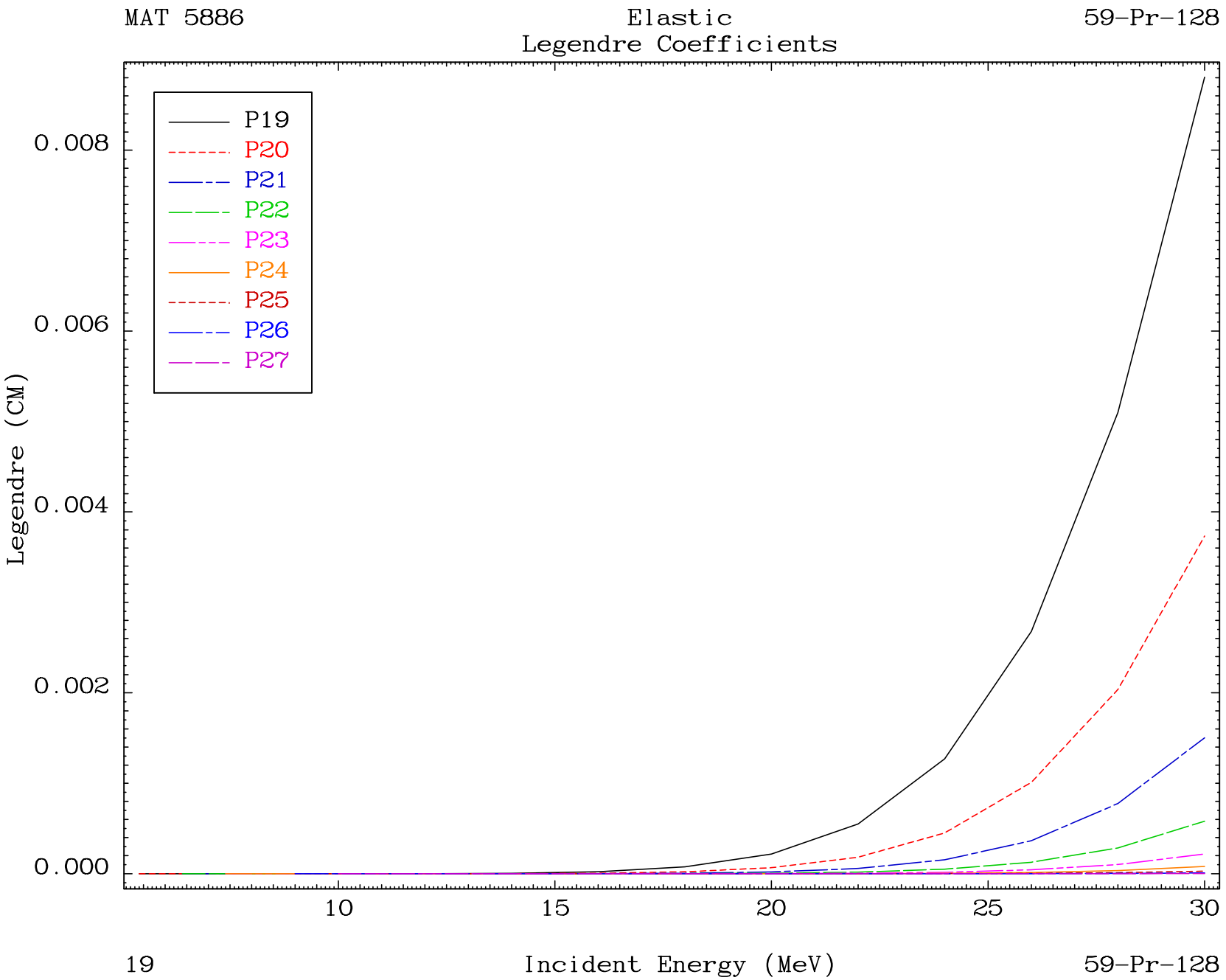

MAT 5886
(n,t) Levels
59-Pr-128
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
59-Pr-128

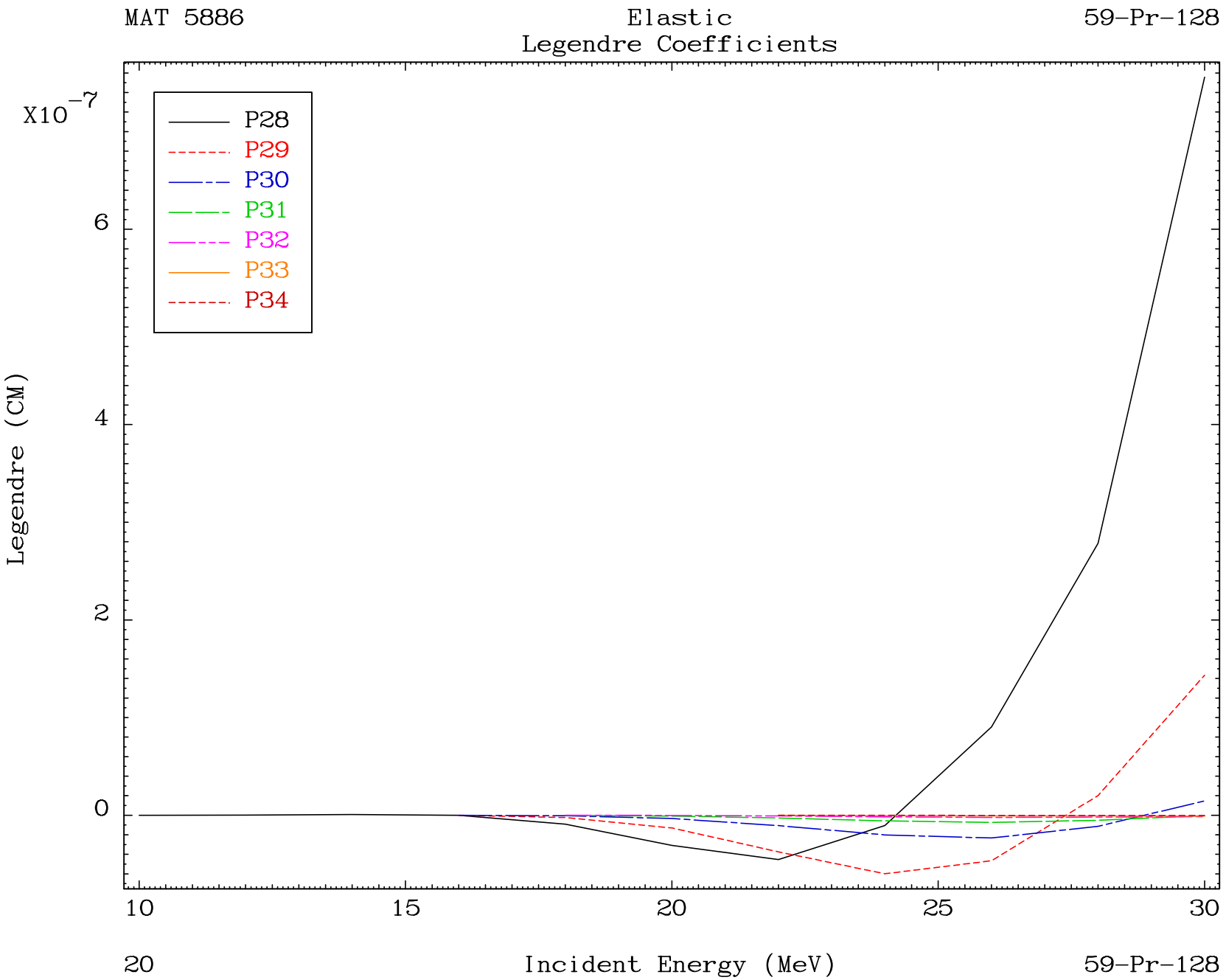

MAT 5886
(n,He3) Levels
59-Pr-128
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
100
102
Incident Energy (MeV)
15
59-Pr-128

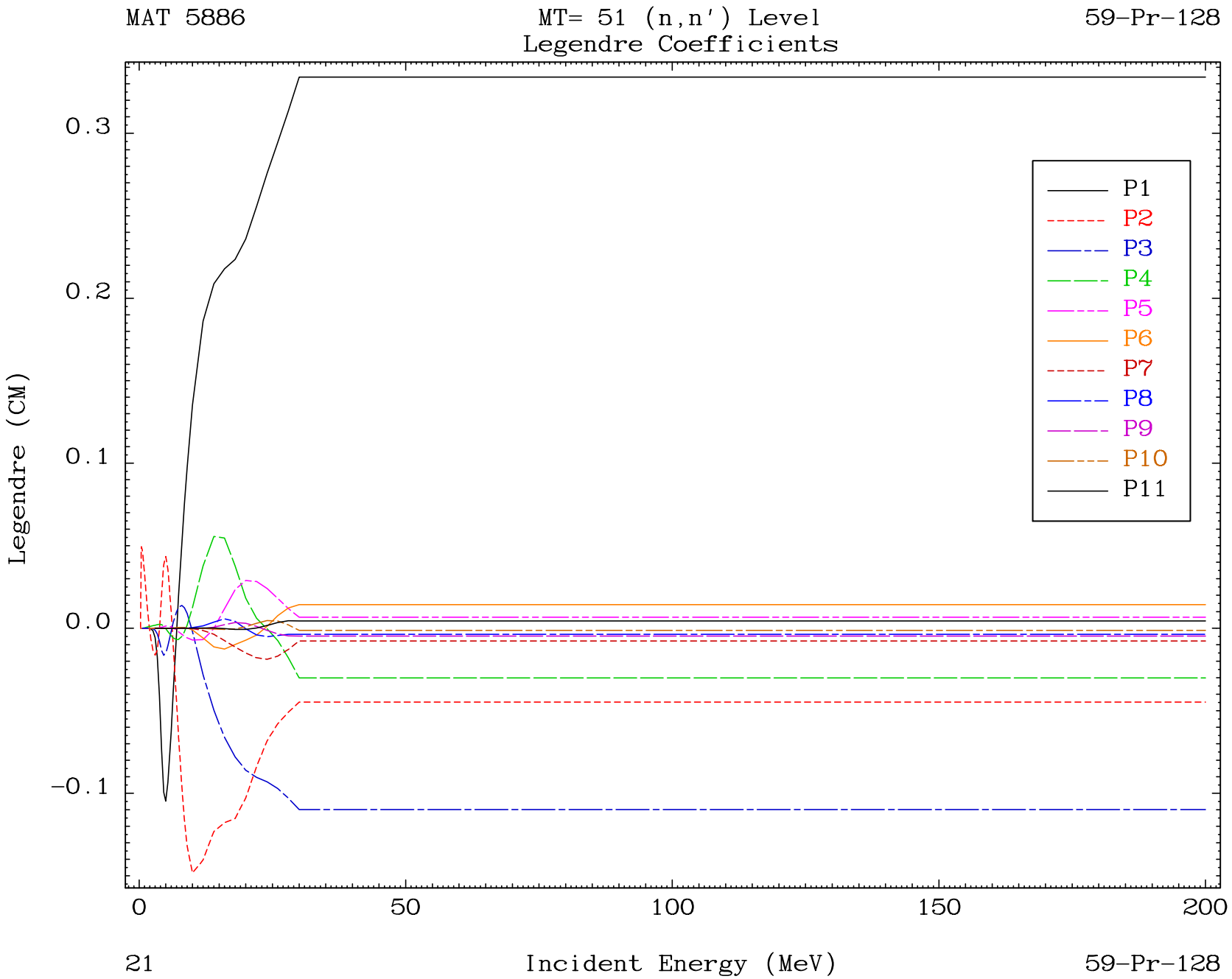

MAT 5886
(n,α) Levels
59-Pr-128
293 Kelvin Cross Sections
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
(n,α)
(n,2α)
16
Incident Energy (MeV)
59-Pr-128

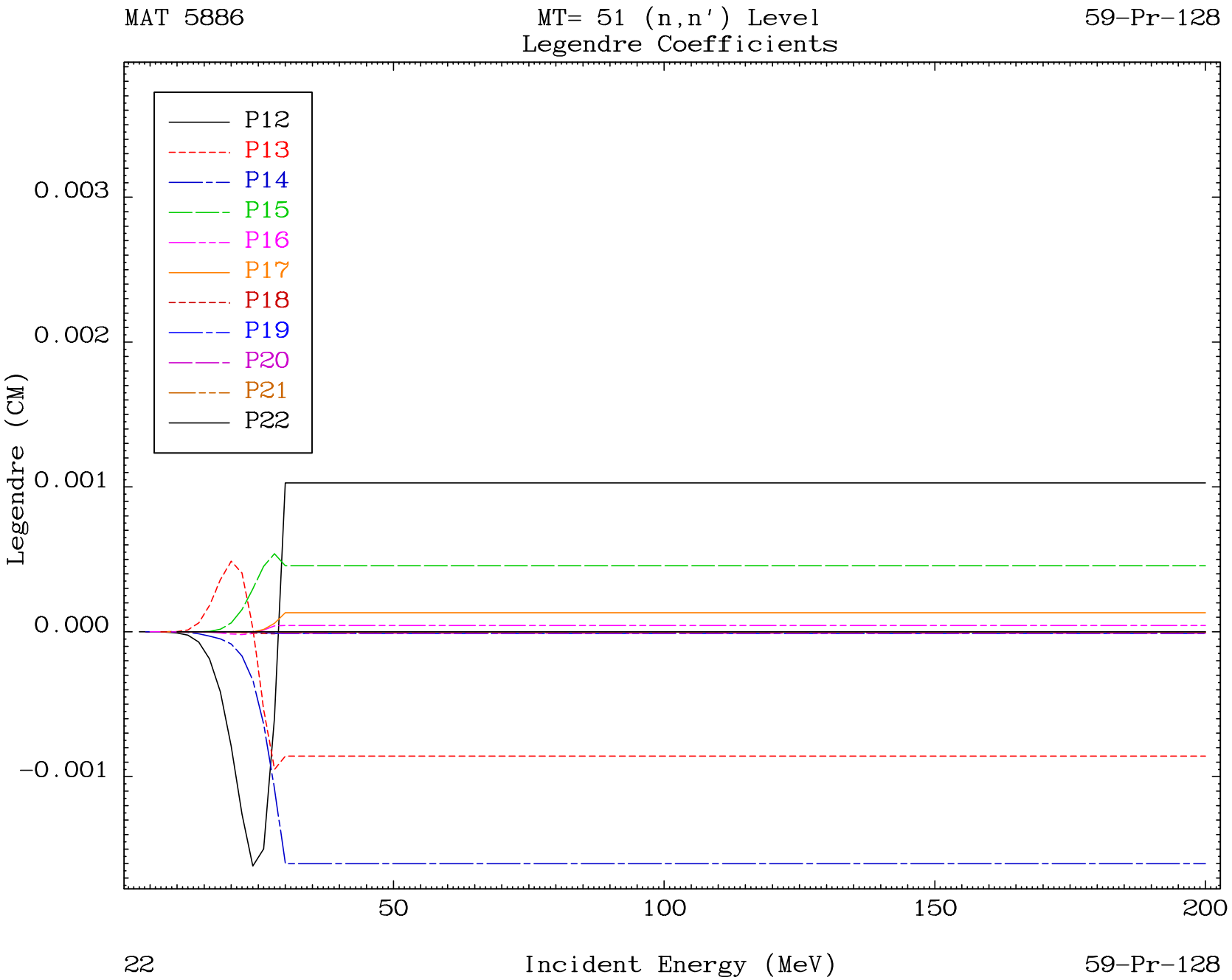

MAT 5886
Elastic
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
17
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

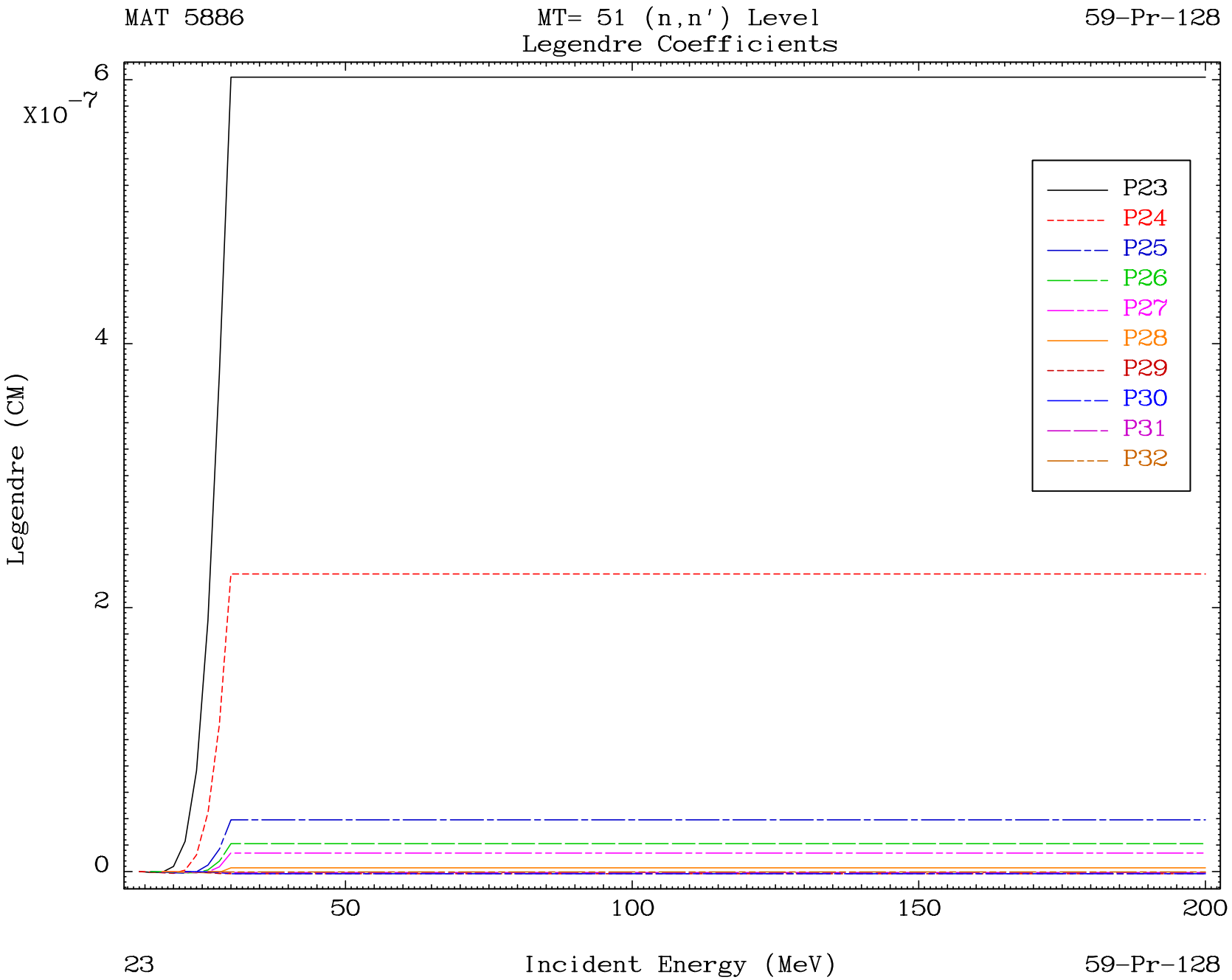

MAT 5886
Elastic
Legendre Coefficients
59-Pr-128
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
18
Incident Energy (MeV)
59-Pr-128

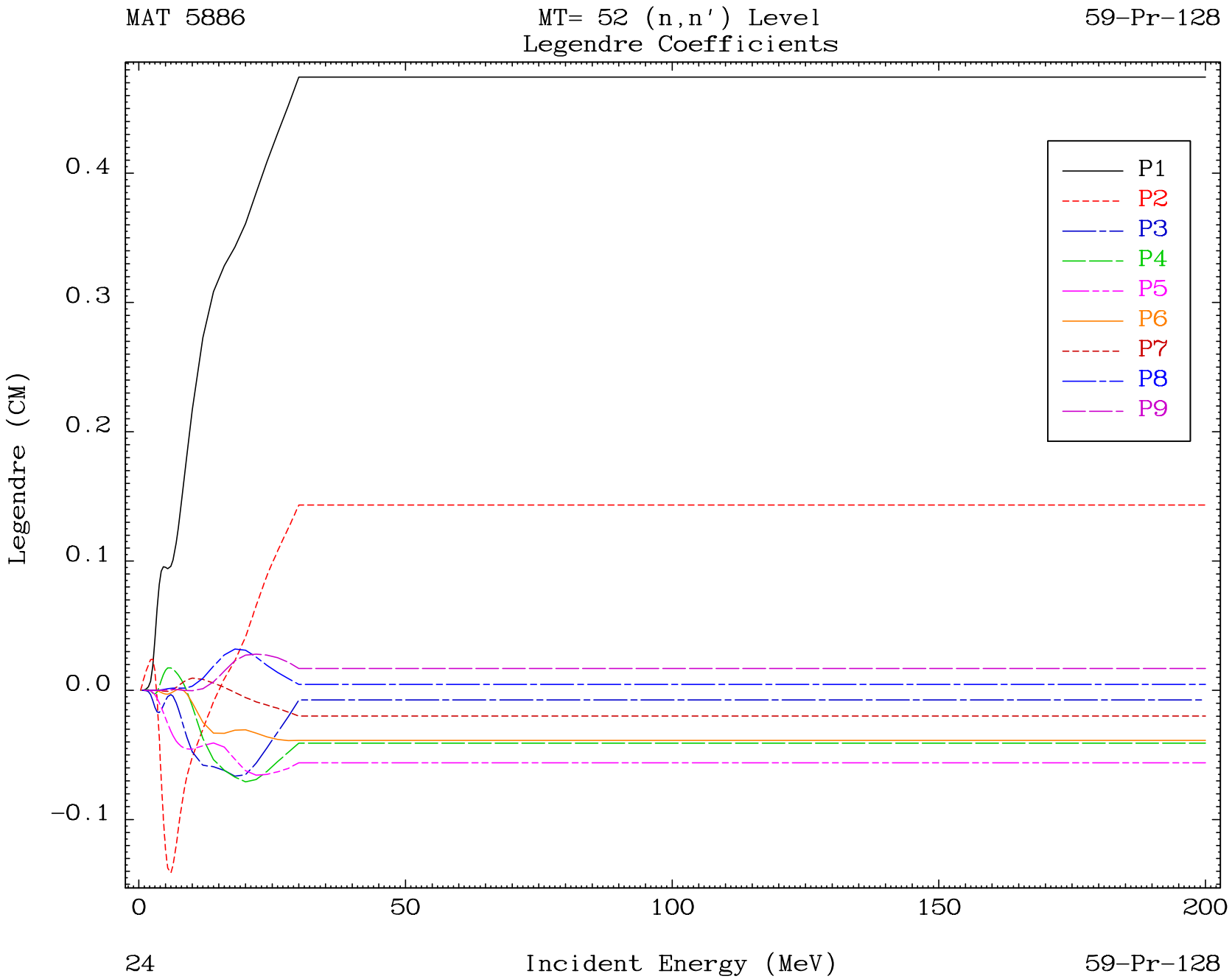

MAT 5886
Elastic
Legendre Coefficients
59-Pr-128
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
19
Incident Energy (MeV)
59-Pr-128

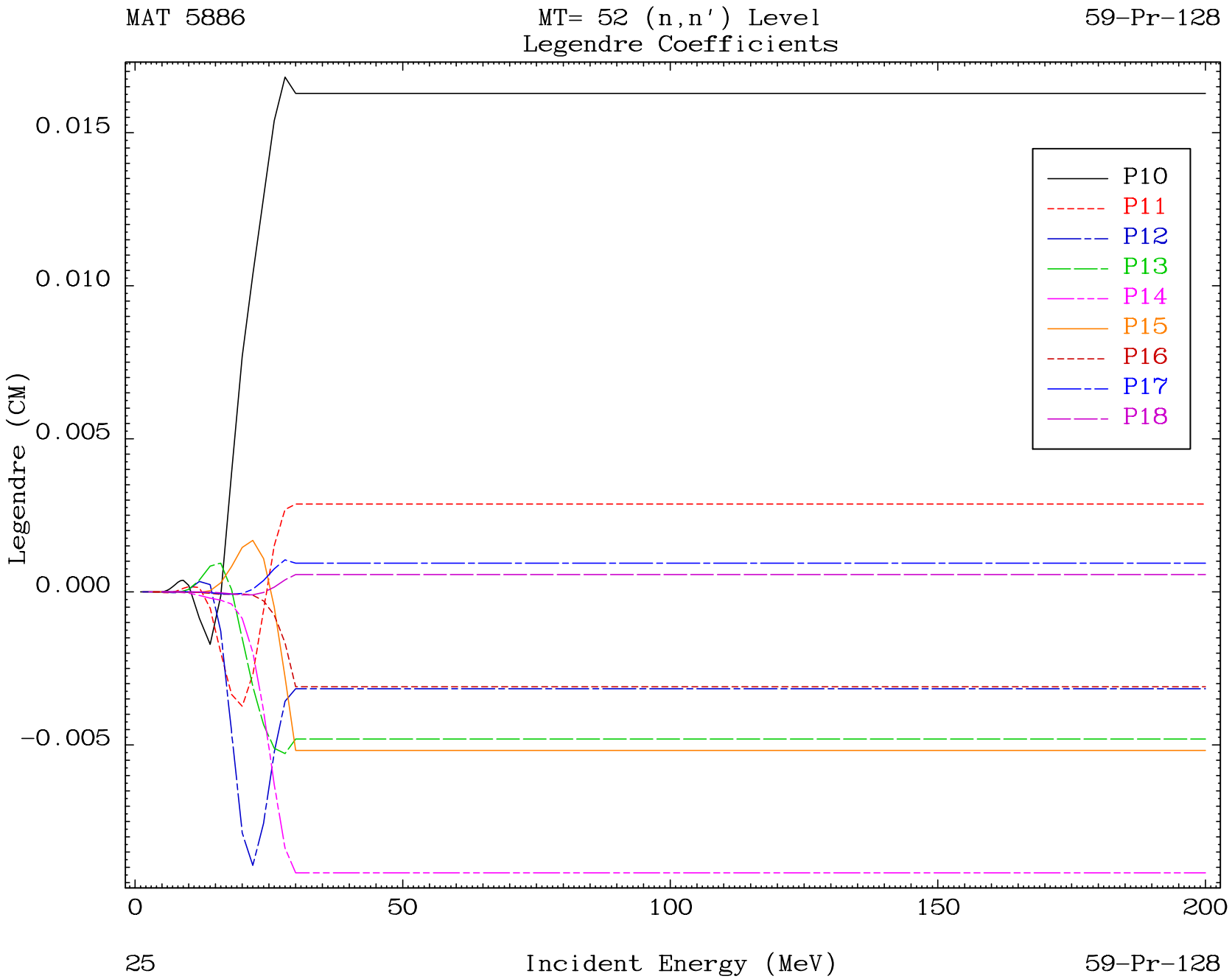

MAT 5886
Elastic
Legendre Coefficients
59-Pr-128
X10^-7
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
6
4
2
0
10
15
20
25
30
20
Incident Energy (MeV)
59-Pr-128

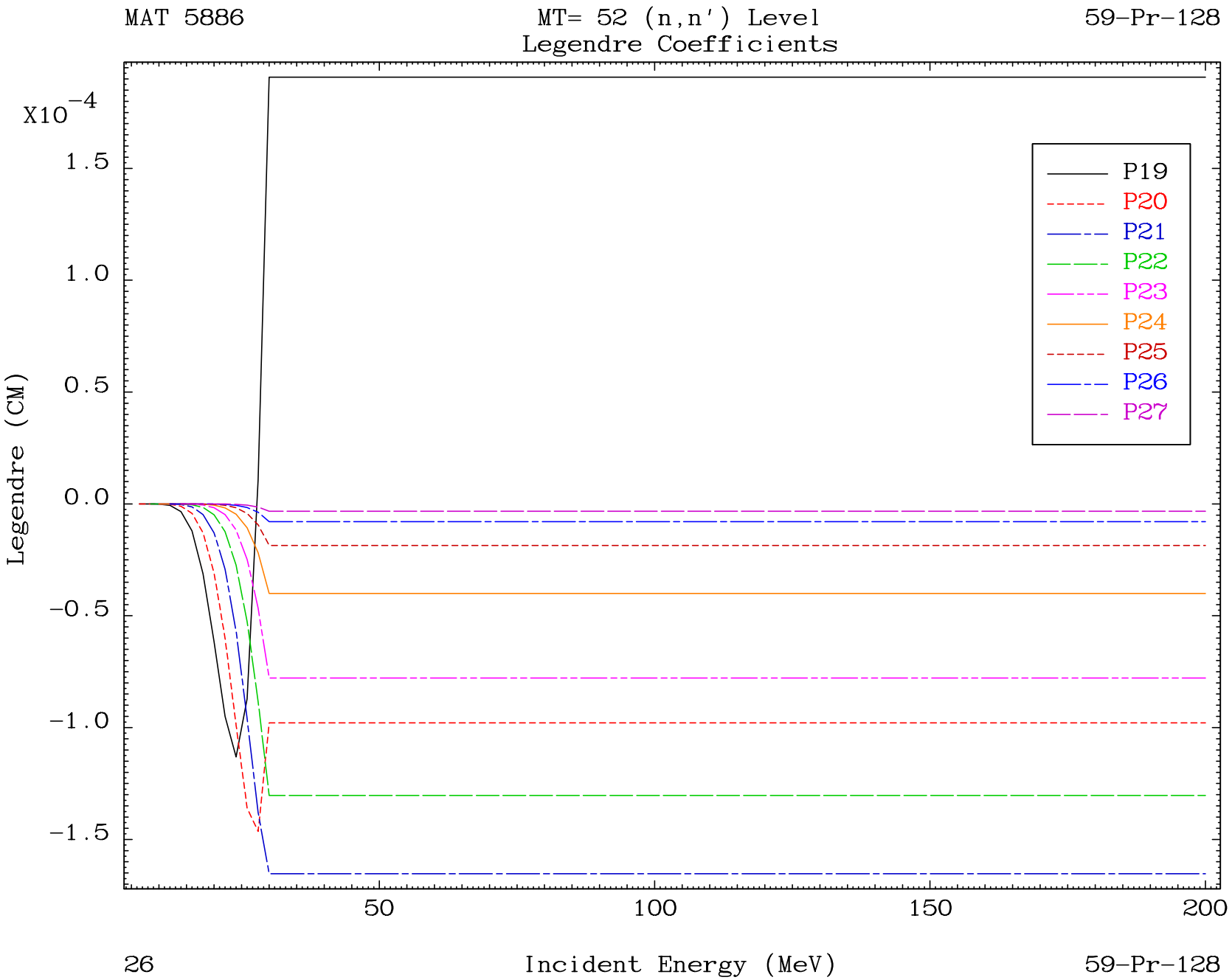

MAT 5886
MT= 51 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
21
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

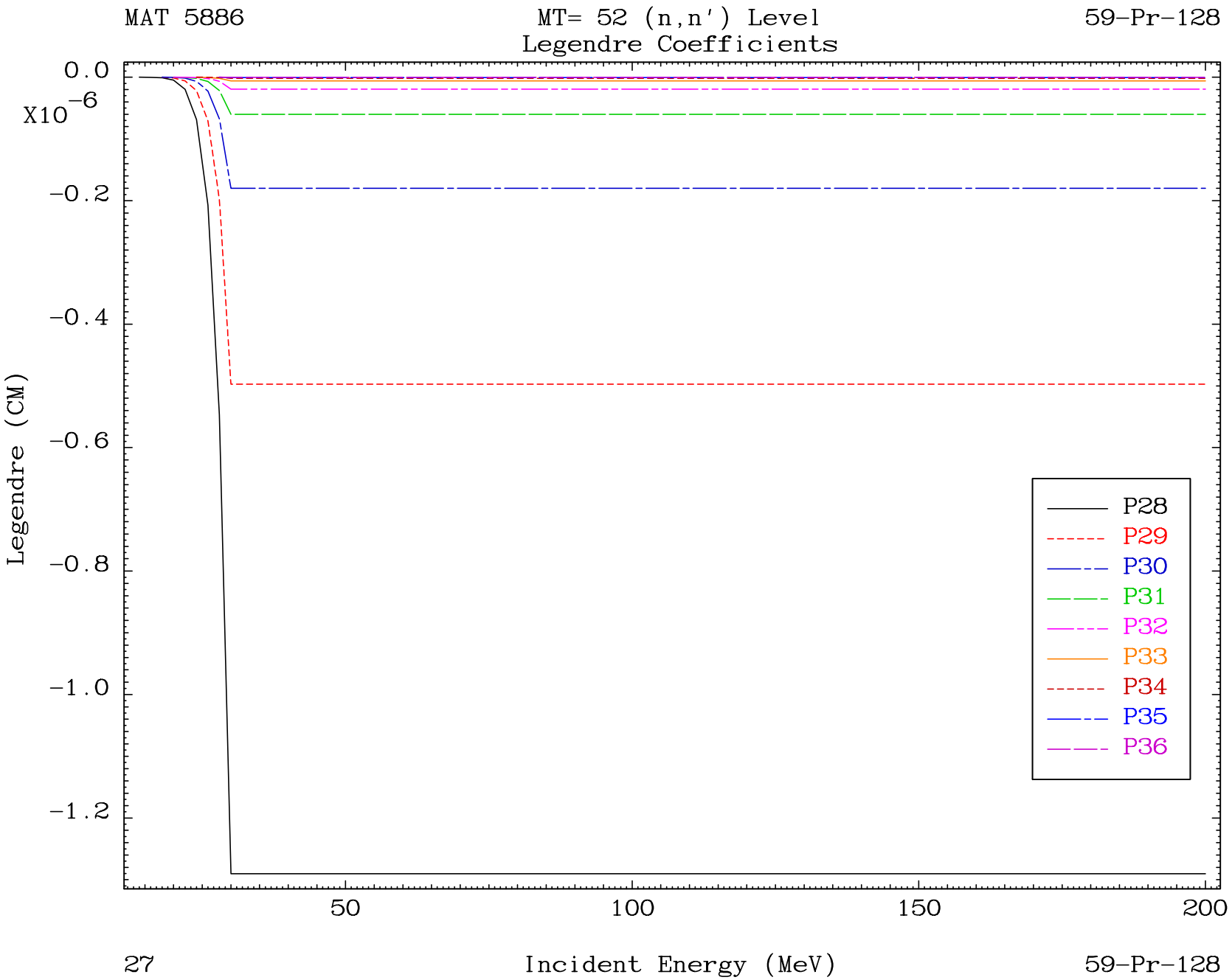

MAT 5886
MT= 51 (n,n') Level
Legendre Coefficients
59-Pr-128
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
59-Pr-128

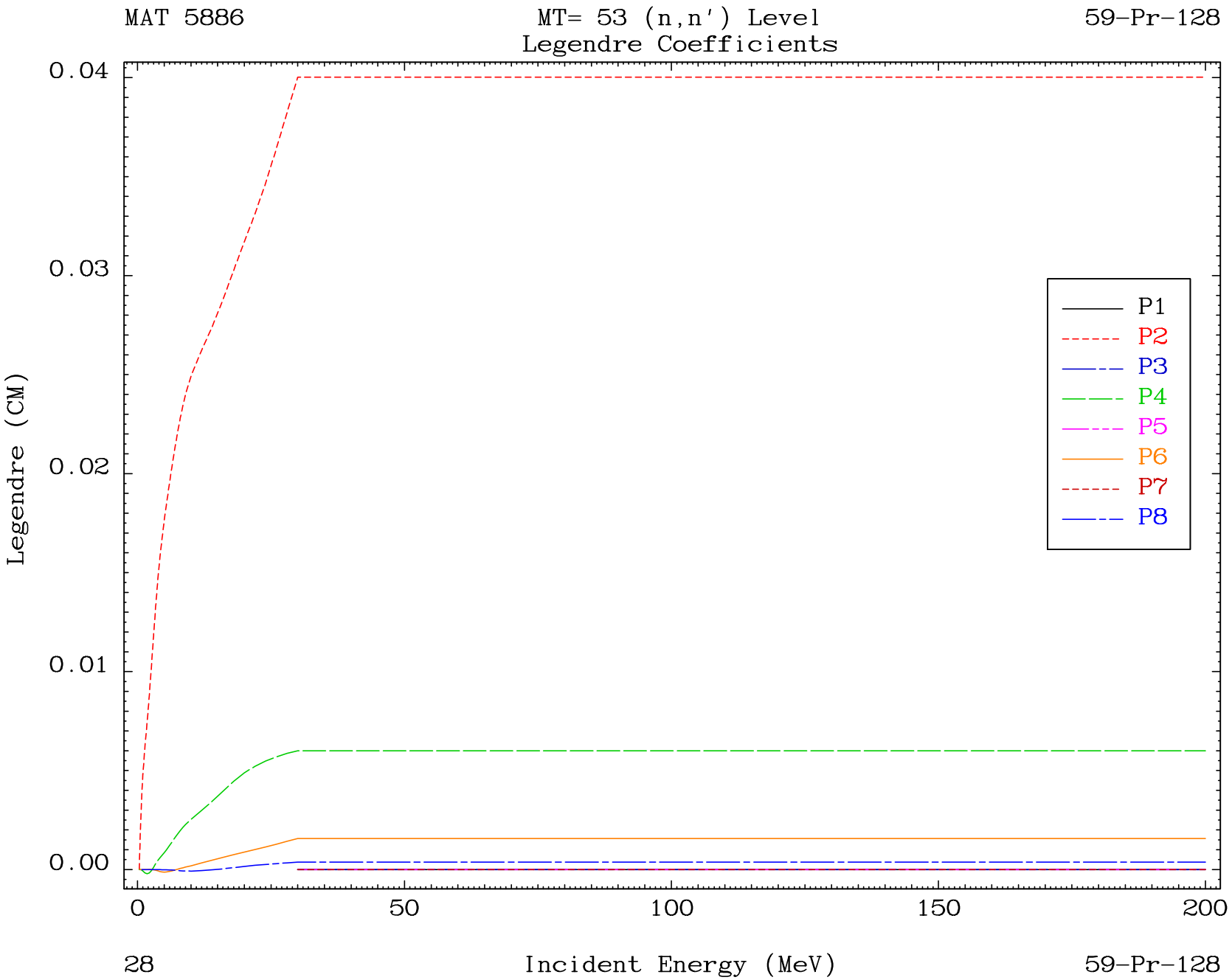

MAT 5886
MT= 51 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-7
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
23
Incident Energy (MeV)
59-Pr-128

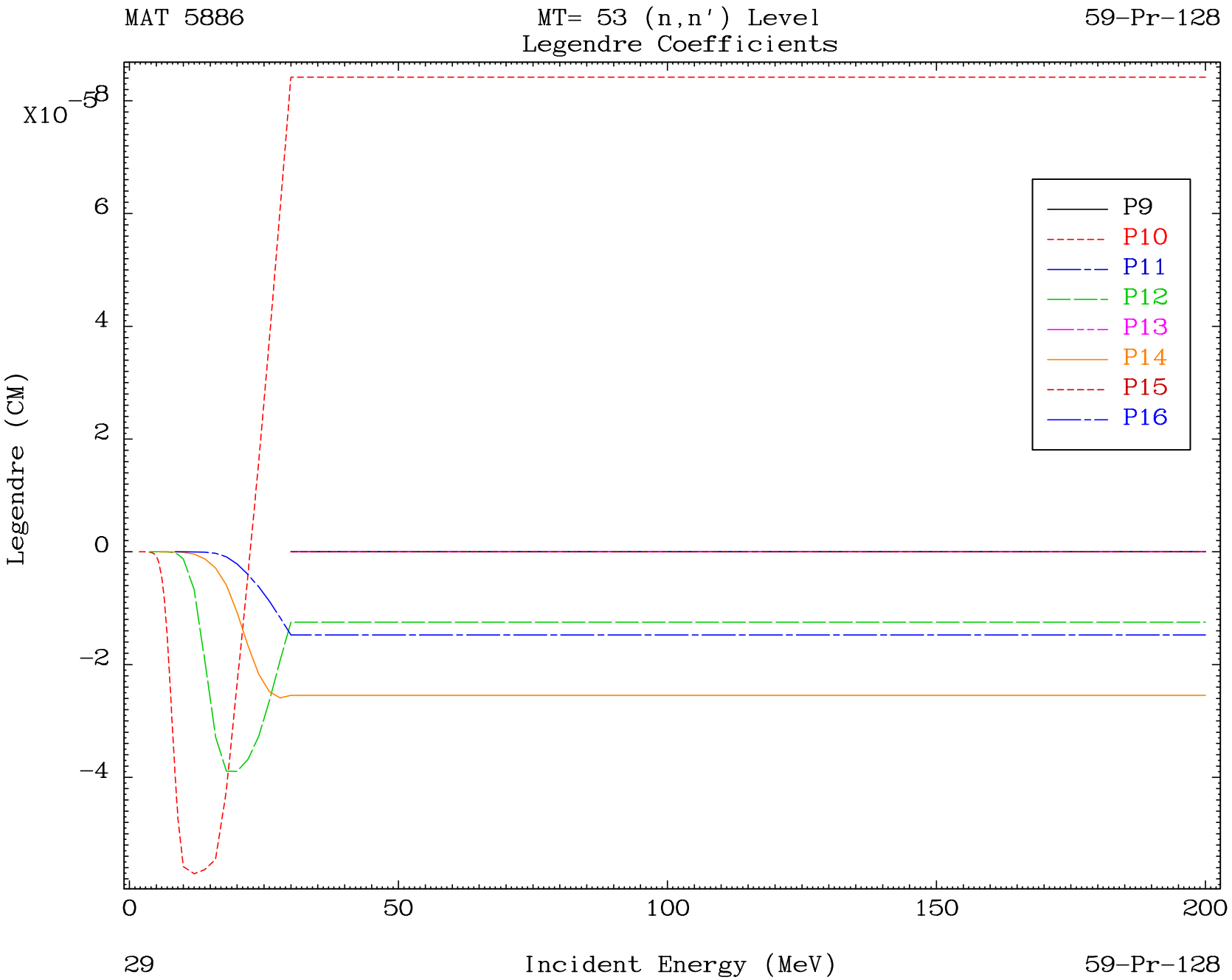

MAT 5886
MT= 52 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
24
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

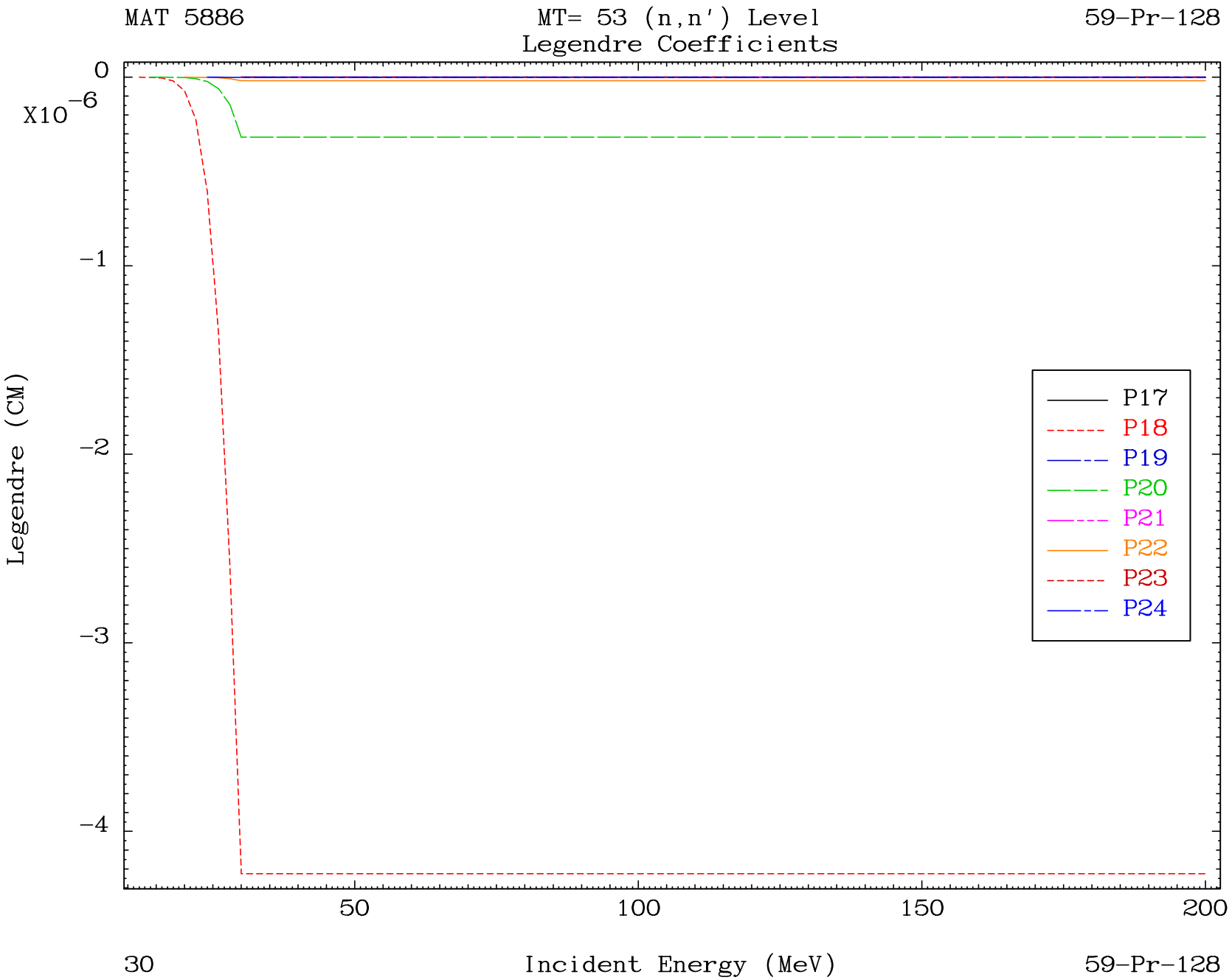

MAT 5886
MT= 52 (n,n') Level
Legendre Coefficients
59-Pr-128
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
25
Incident Energy (MeV)
59-Pr-128

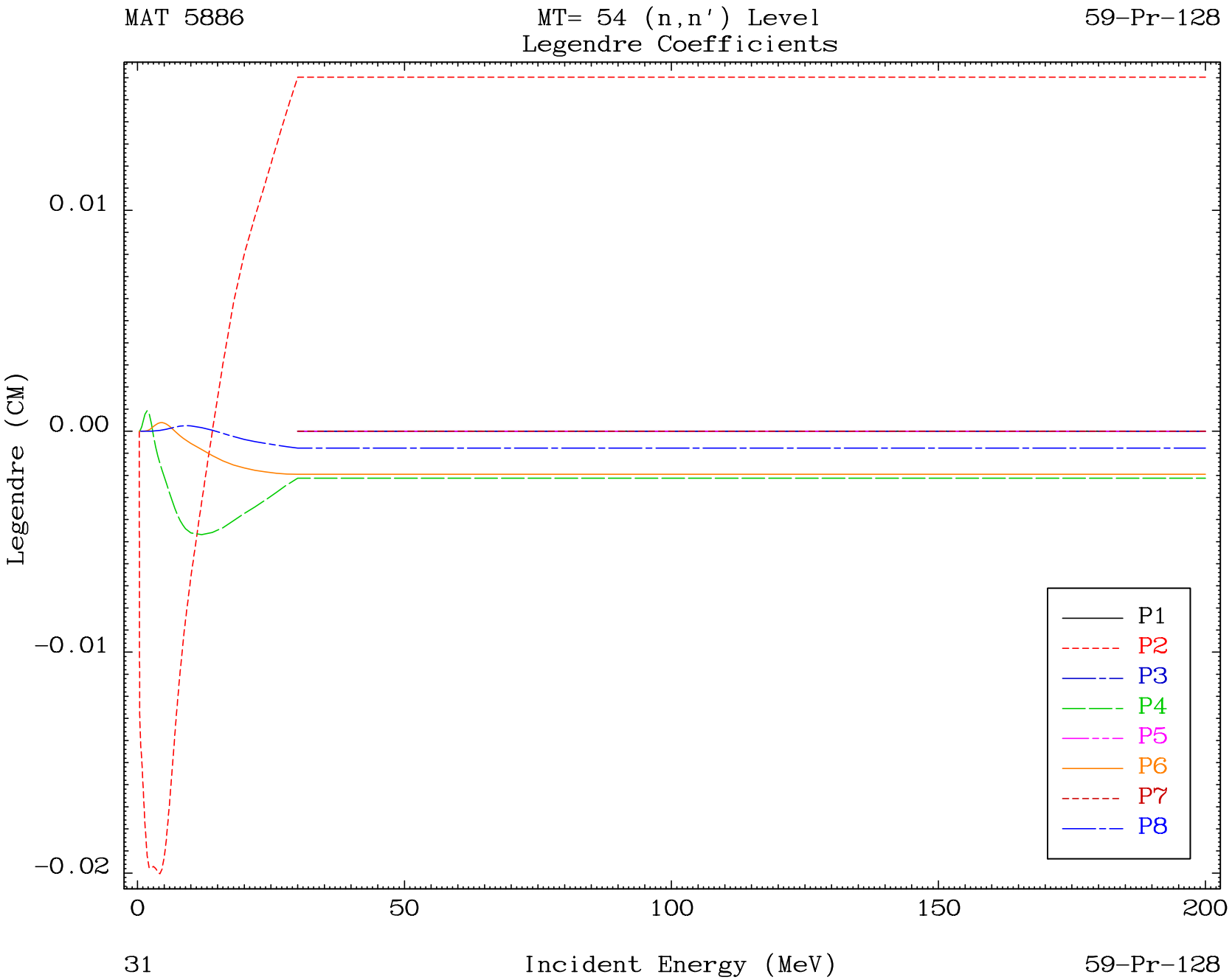

MAT 5886
MT= 52 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
Incident Energy (MeV)
26
59-Pr-128

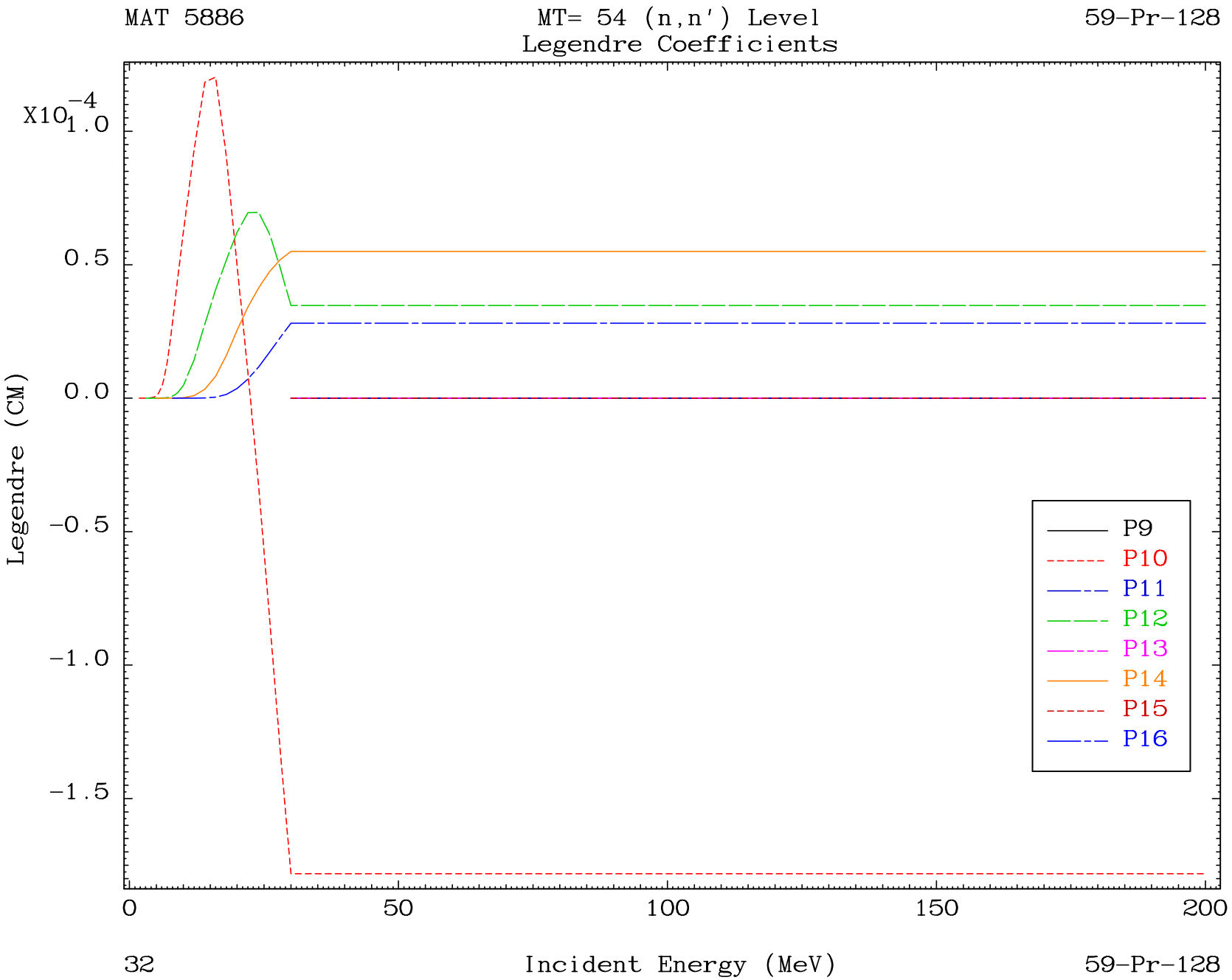

MAT 5886
MT= 52 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
27
Incident Energy (MeV)
59-Pr-128

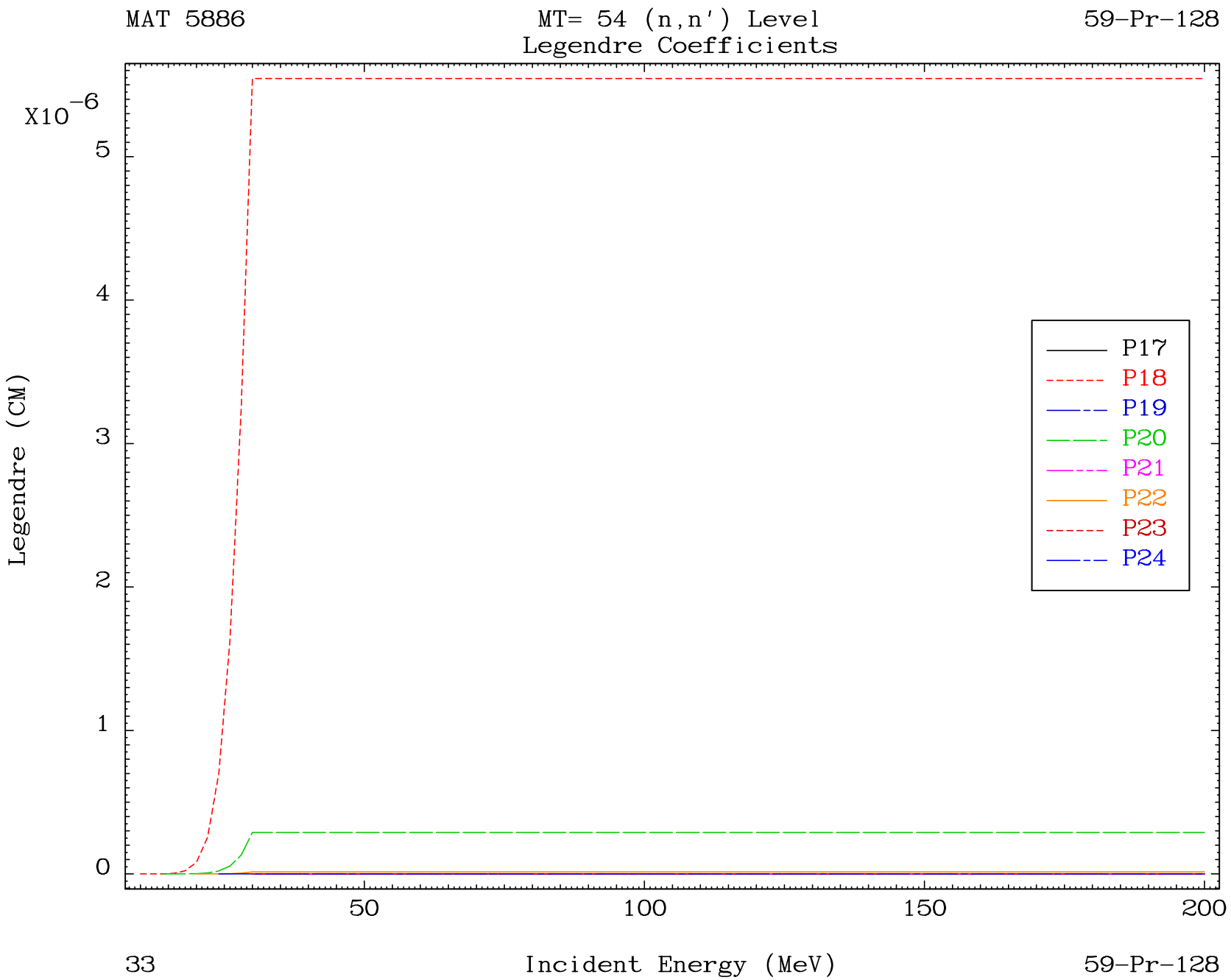

MAT 5886
MT= 53 (n,n') Level
Legendre Coefficients
59-Pr-128
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

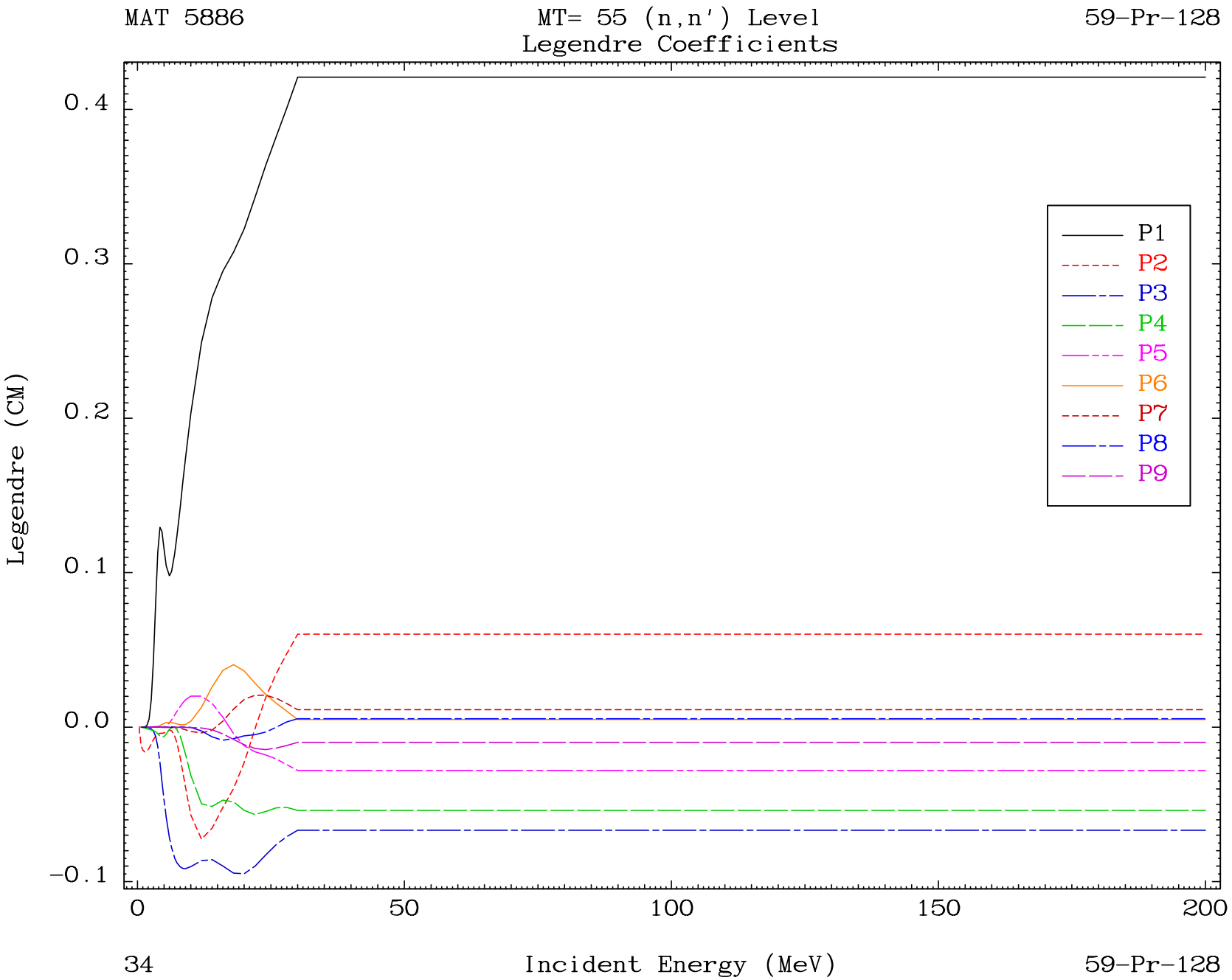

MAT 5886
MT= 53 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 −5
8
6
4
2
0
−2
−4
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
29
Incident Energy (MeV)
59-Pr-128

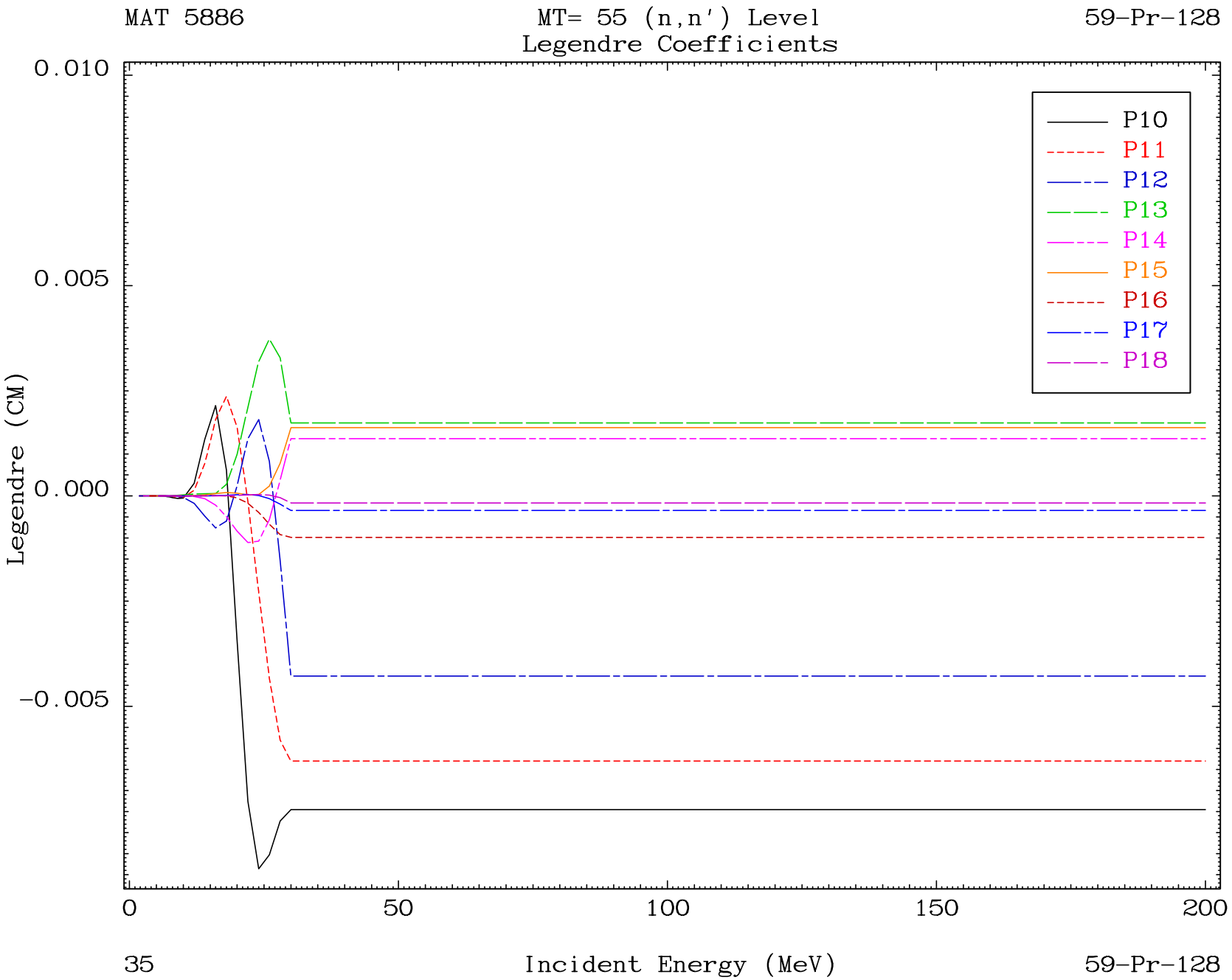

MAT 5886
MT= 53 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
30
Incident Energy (MeV)
59-Pr-128

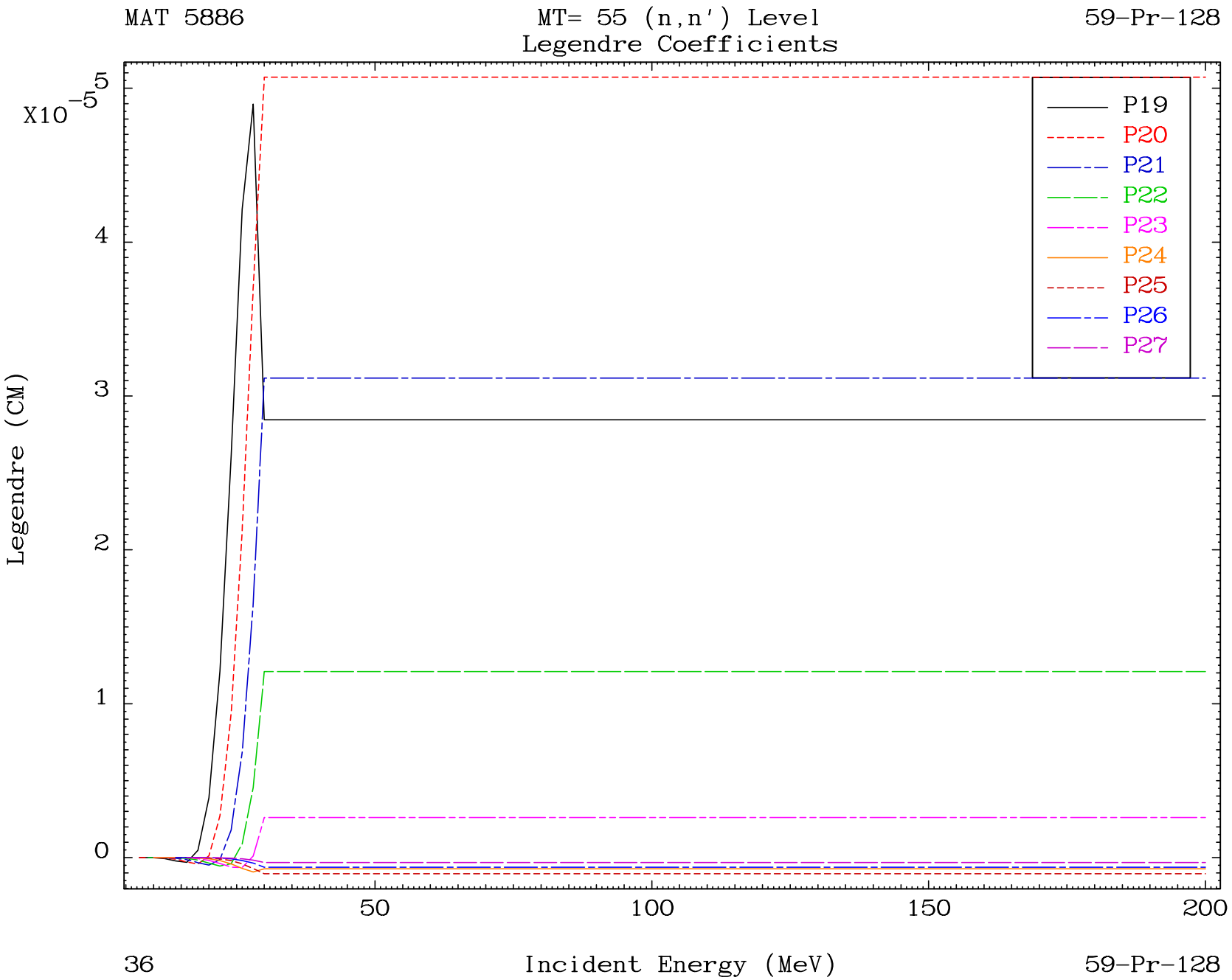

MAT 5886
MT= 54 (n,n') Level
Legendre Coefficients
59-Pr-128
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
31
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

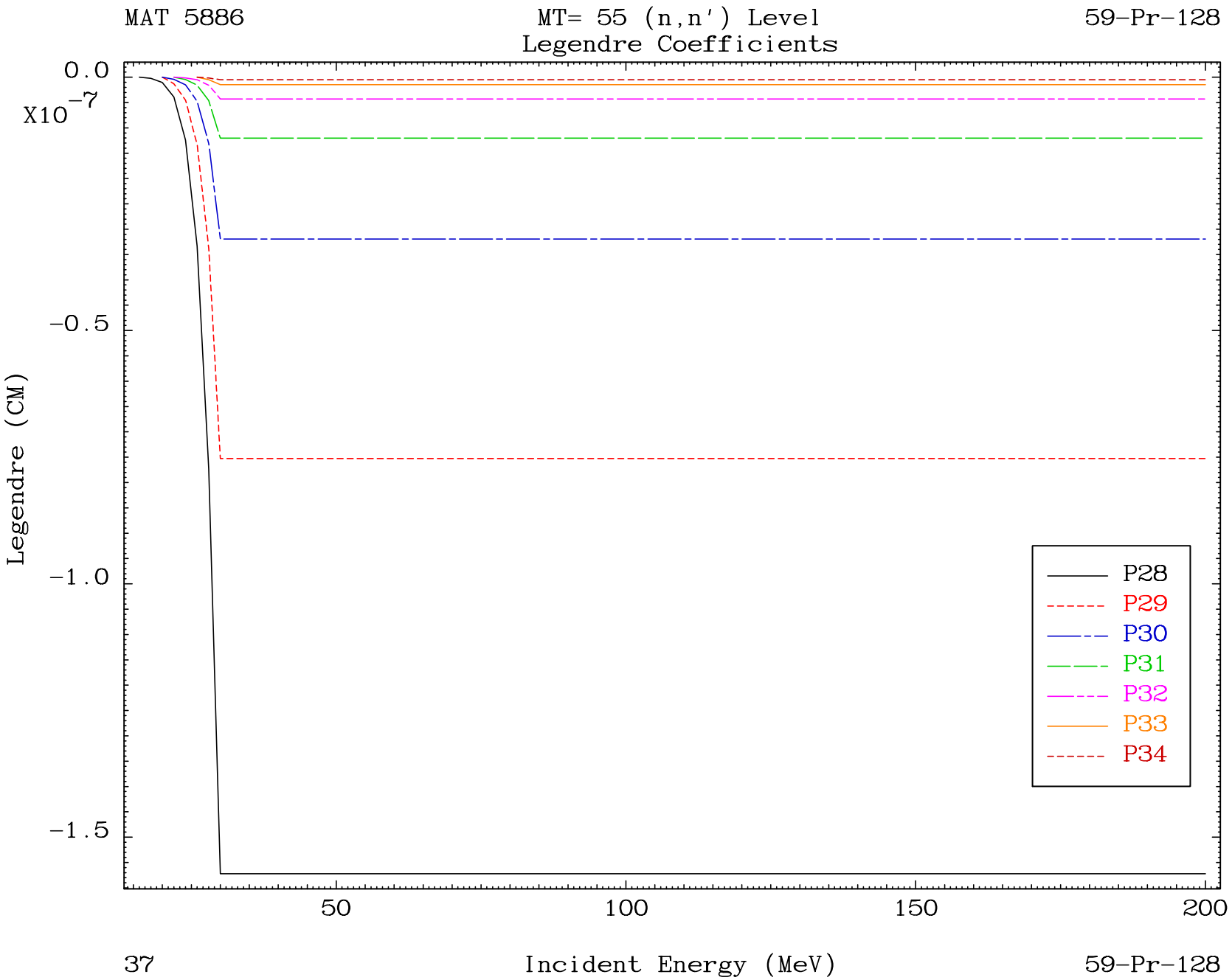

MAT 5886
MT= 54 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
32
59-Pr-128
P9
P10
P11
P12
P13
P14
P15
P16

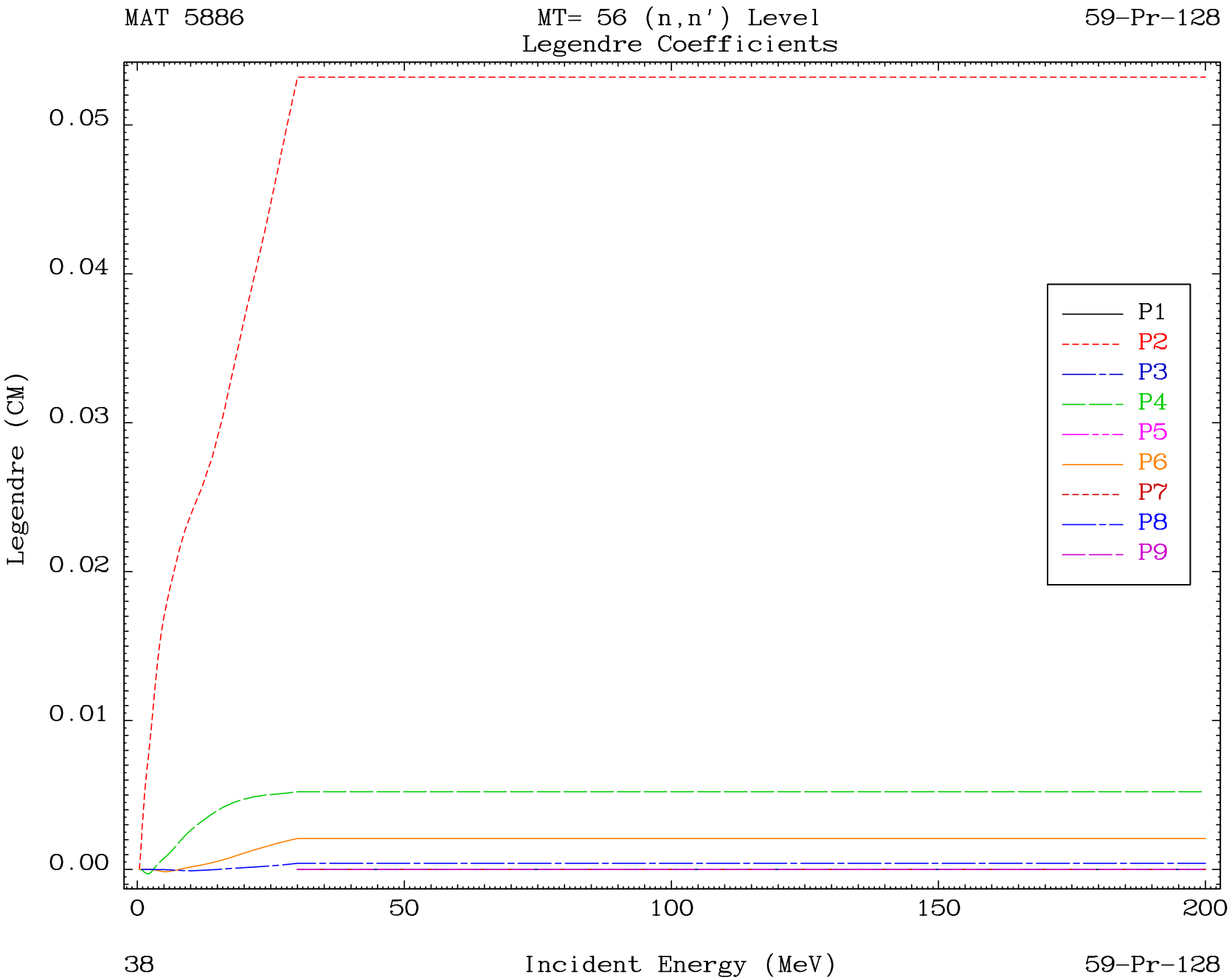

MAT 5886
MT= 54 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
59-Pr-128
P17
P18
P19
P20
P21
P22
P23
P24

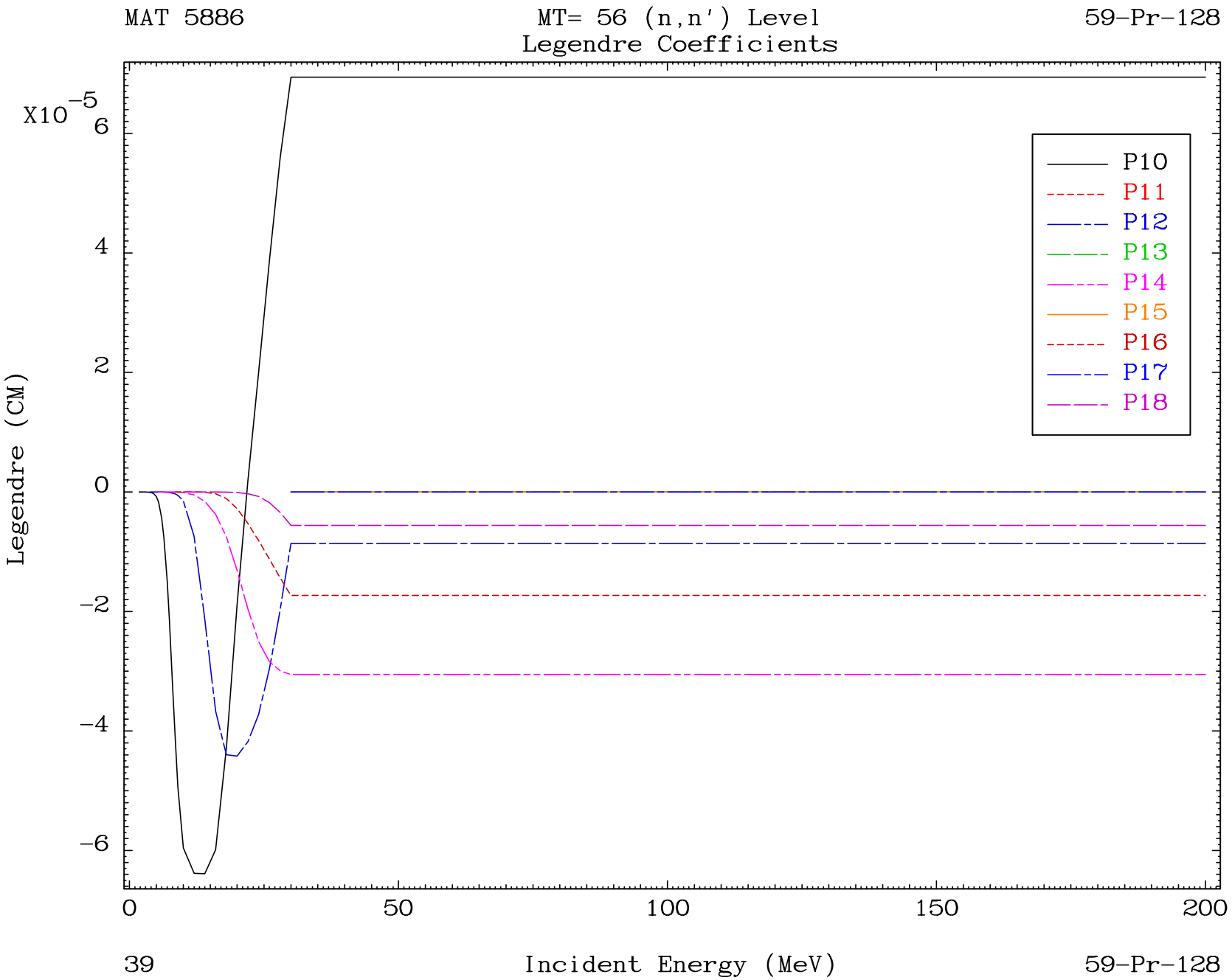

MAT 5886
MT= 55 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
34
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

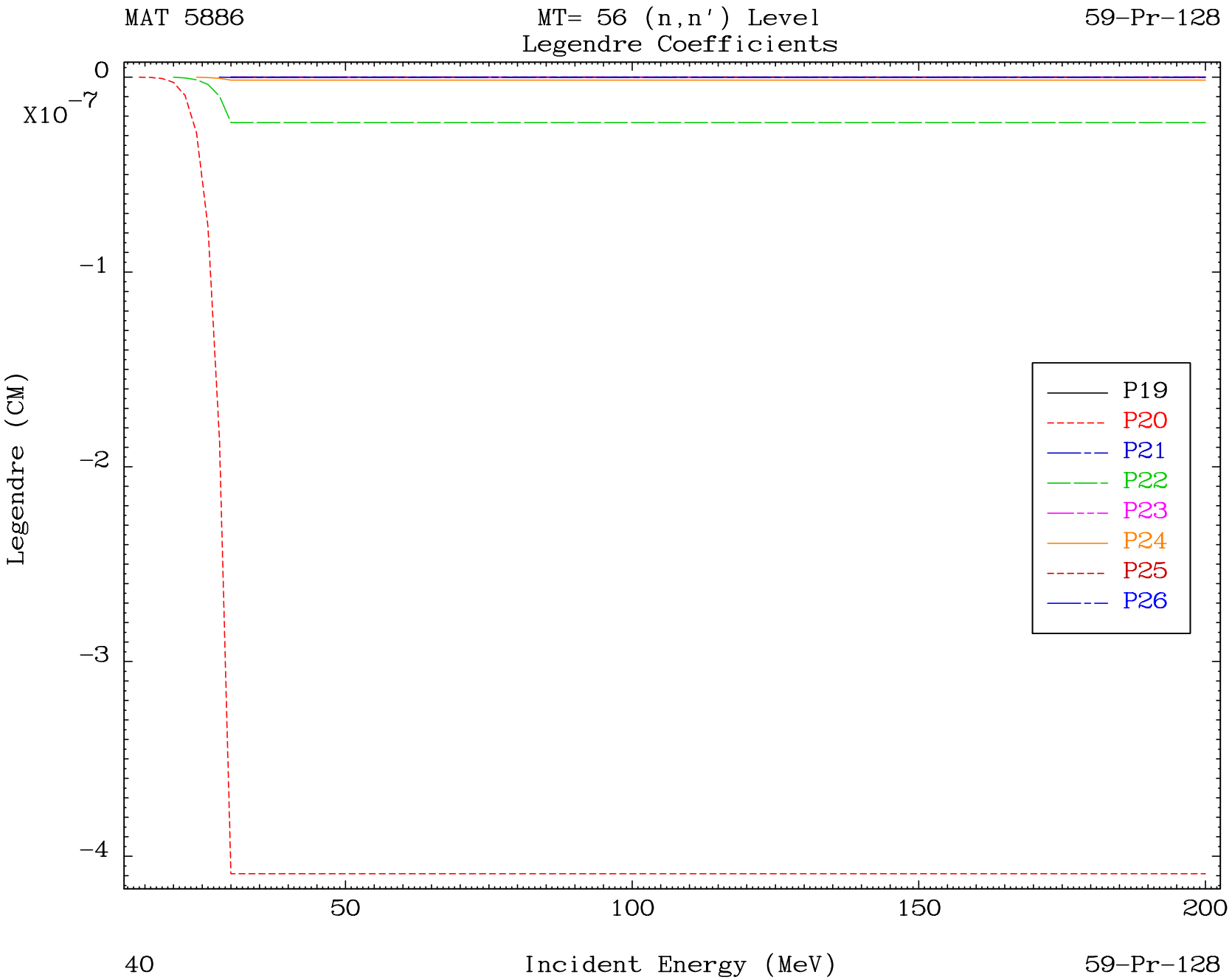

MAT 5886
MT= 55 (n,n') Level
Legendre Coefficients
59-Pr-128
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
35
Incident Energy (MeV)
59-Pr-128

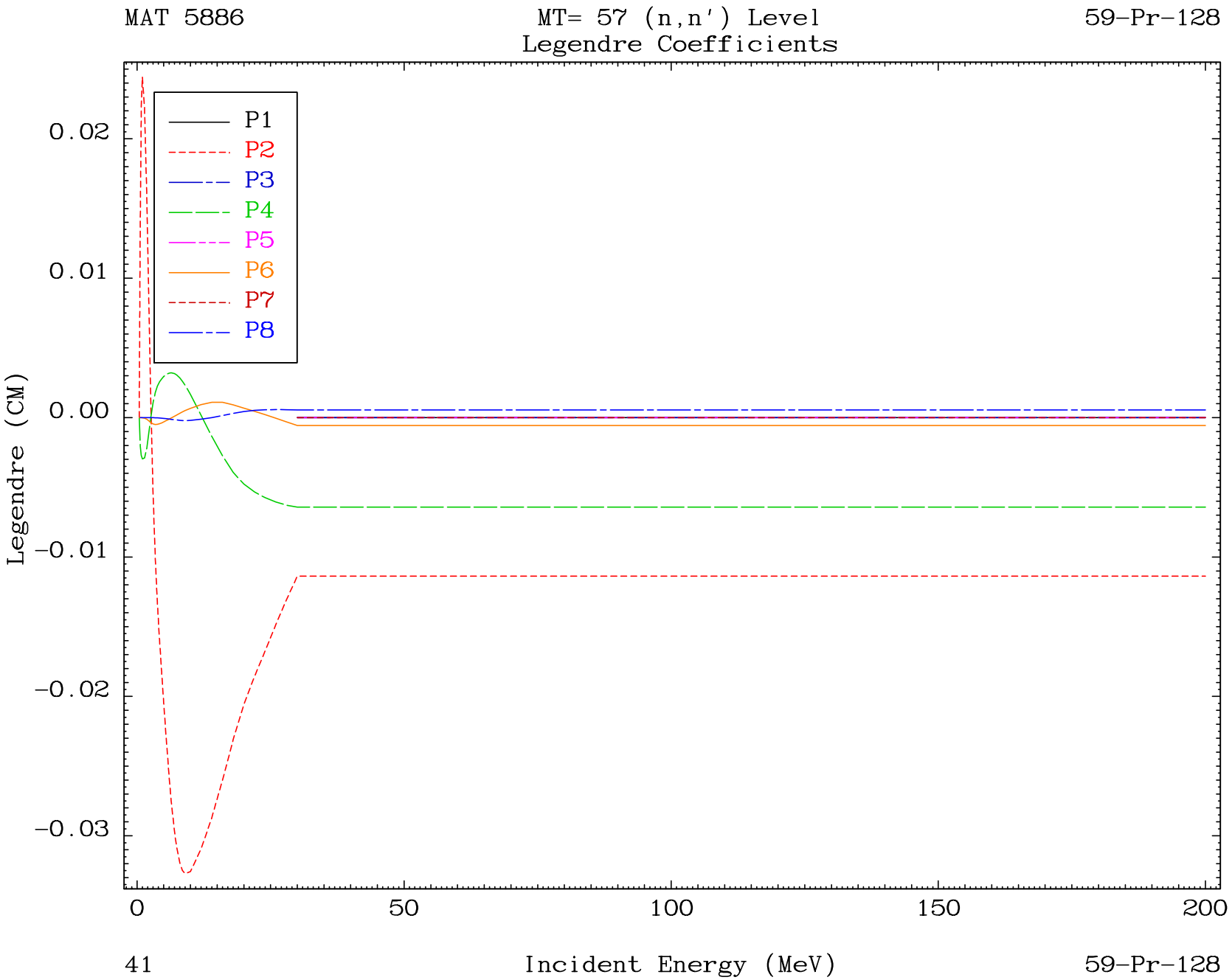

MAT 5886
MT= 55 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
36
Incident Energy (MeV)
59-Pr-128

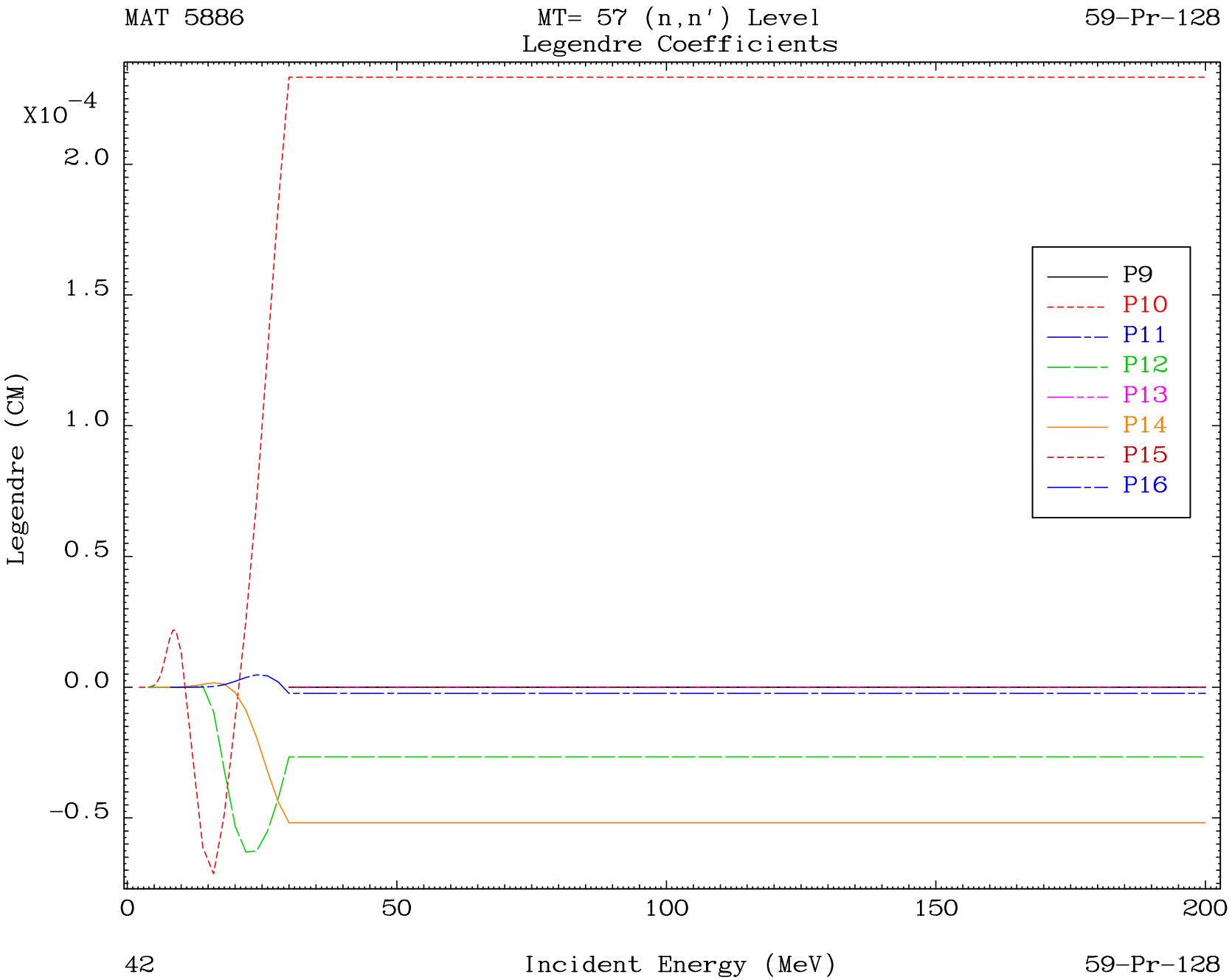

MAT 5886
MT= 55 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10^-7
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34

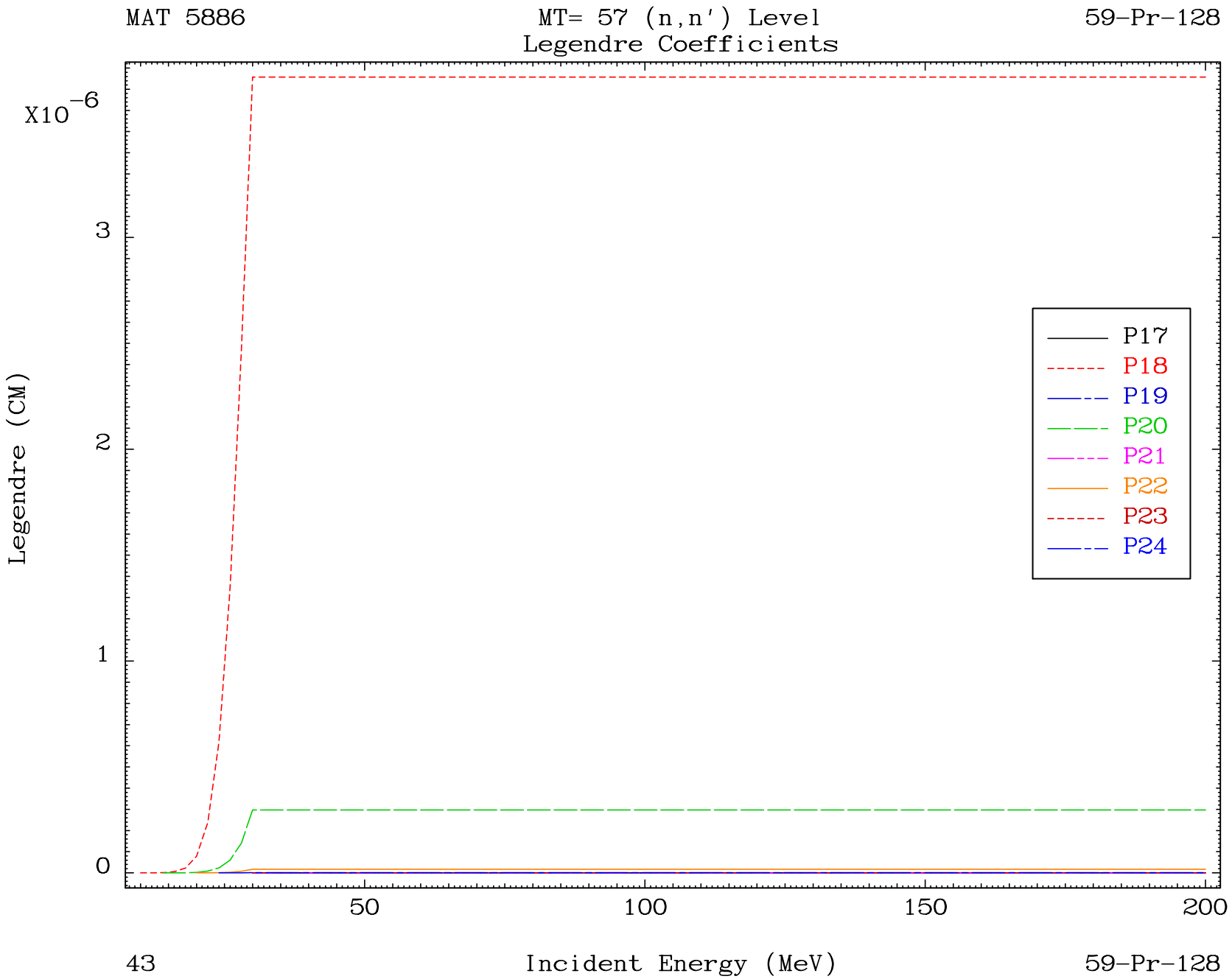

MAT 5886
MT= 56 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.05
0.04
0.03
0.02
0.01
0.00
0
50
100
150
200
38
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

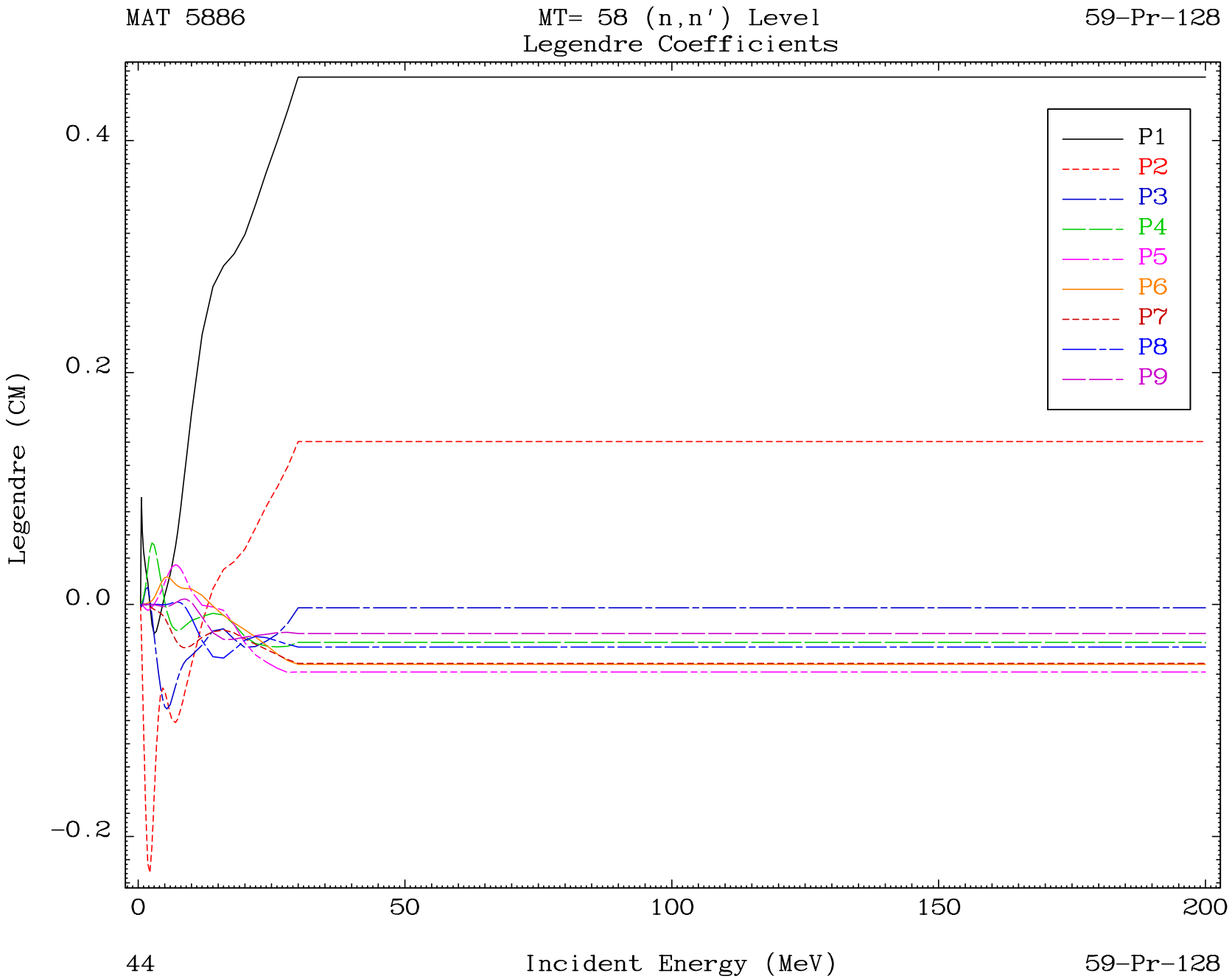

MAT 5886
MT= 56 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
6
4
2
0
-2
-4
-6
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
39
Incident Energy (MeV)
59-Pr-128

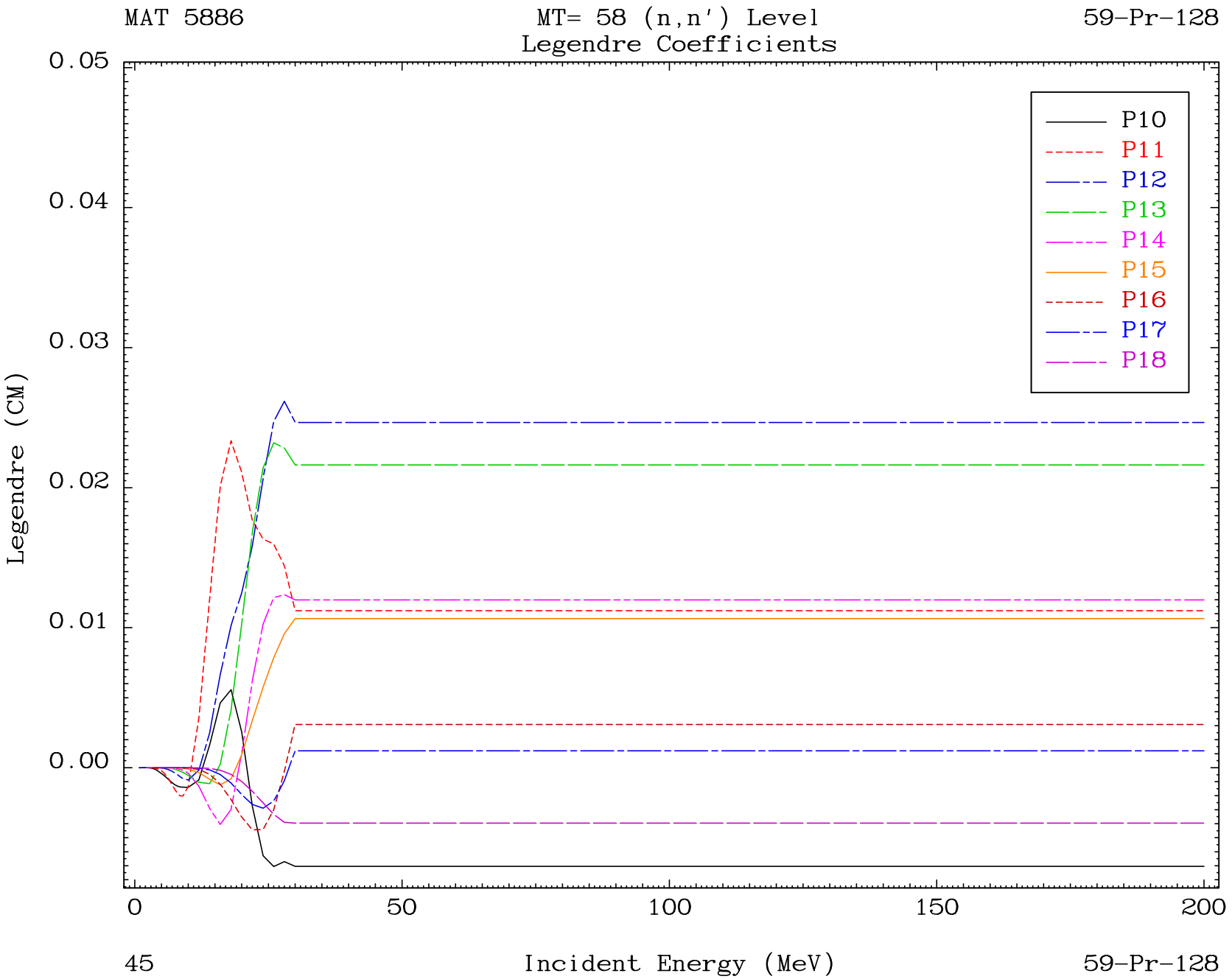

MAT 5886
MT= 56 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10-7
-1
-2
-3
-4
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
40
50
100
150
200
Incident Energy (MeV)
59-Pr-128

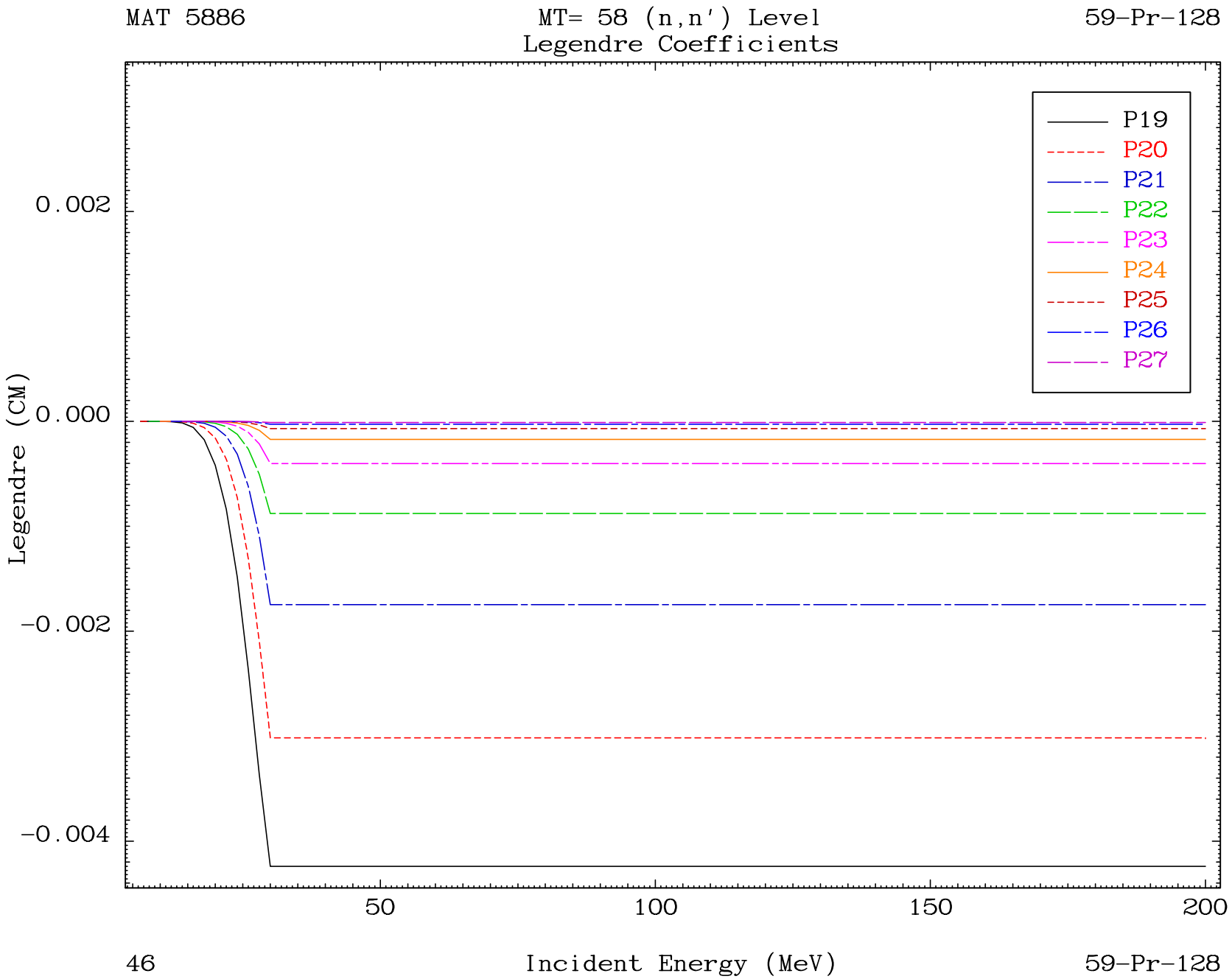

MAT 5886
MT= 57 (n,n') Level
Legendre Coefficients
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
59-Pr-128

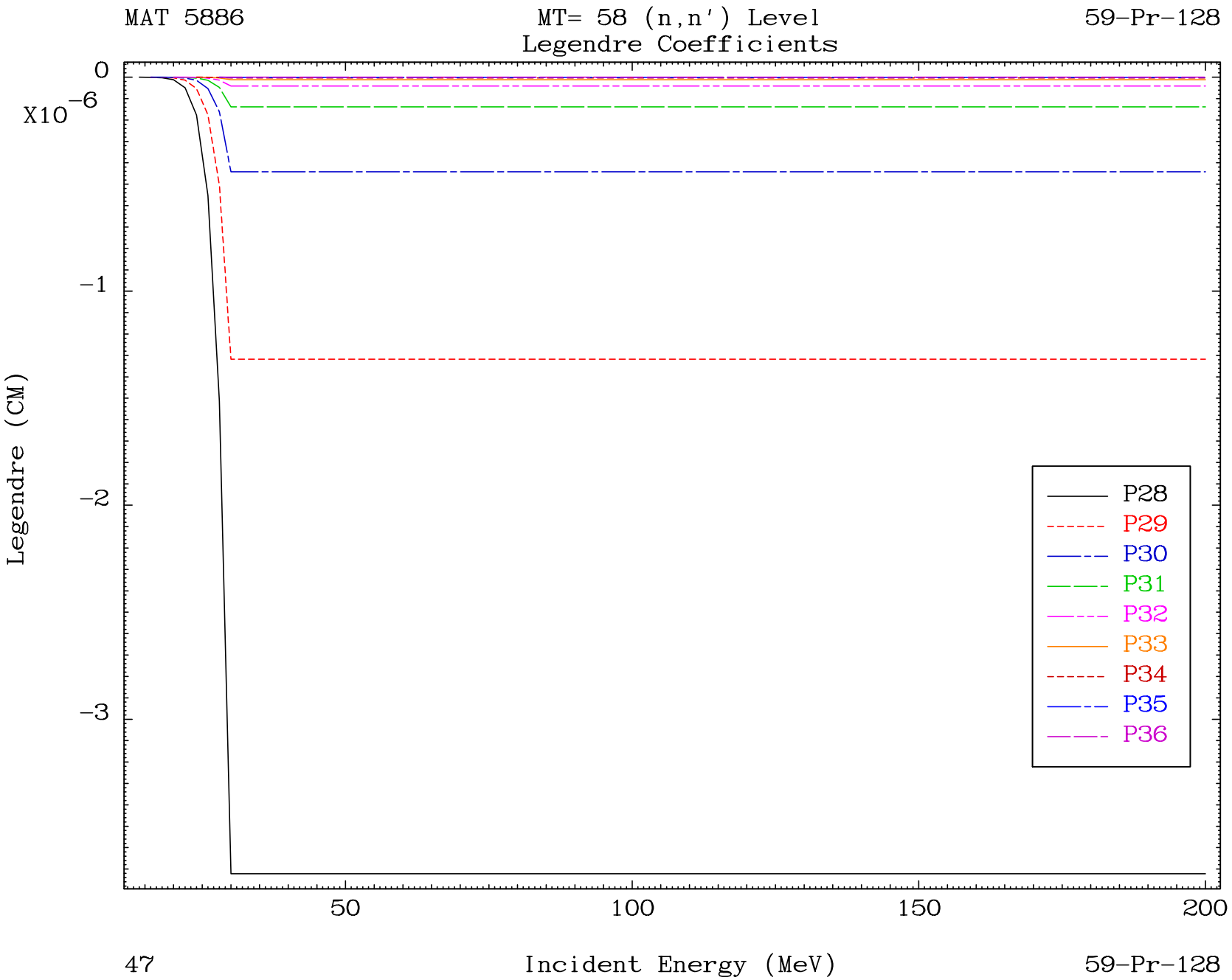

MAT 5886
MT= 57 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
42
Incident Energy (MeV)
59-Pr-128

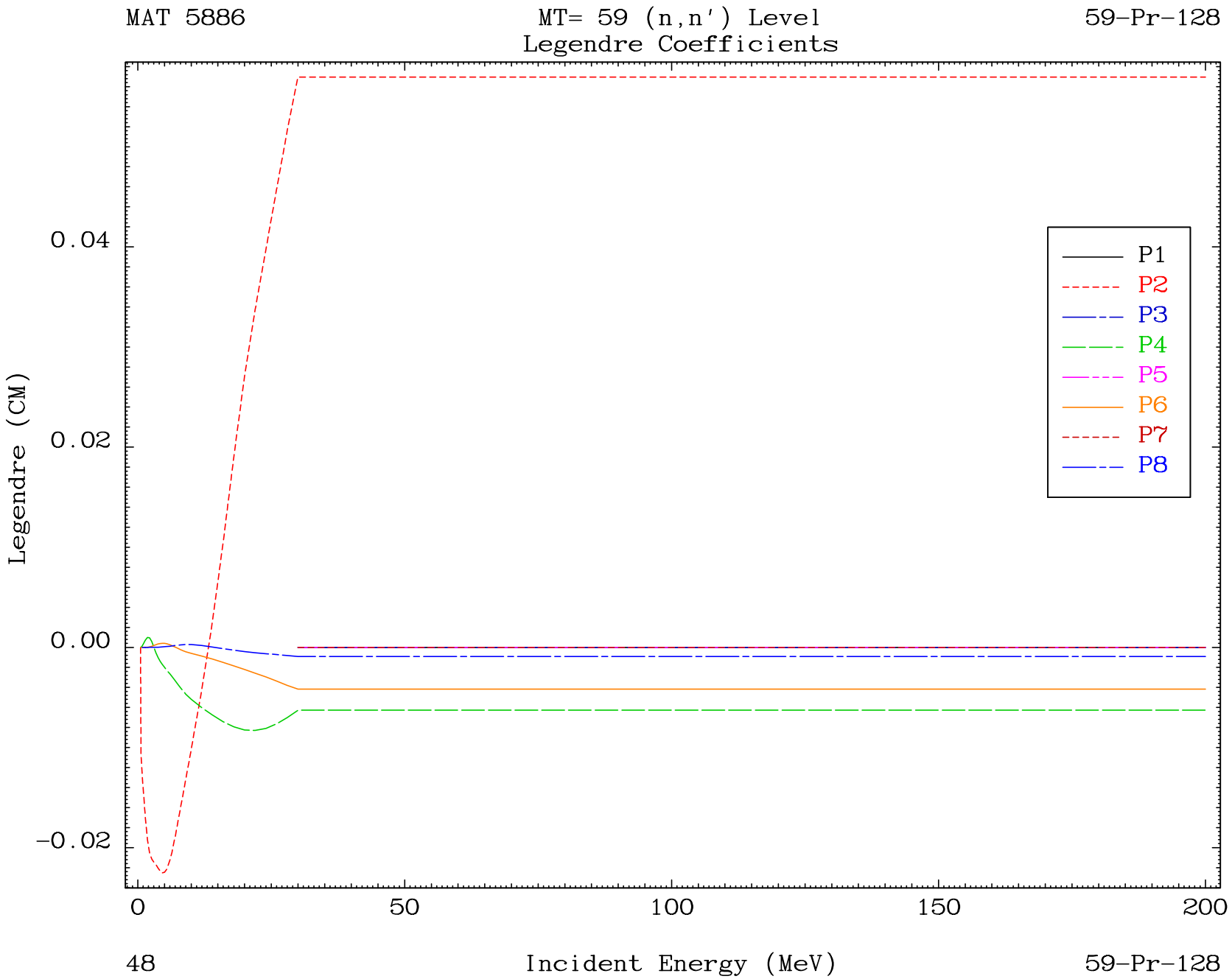

MAT 5886
MT= 57 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 −6
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
43
Incident Energy (MeV)
59-Pr-128

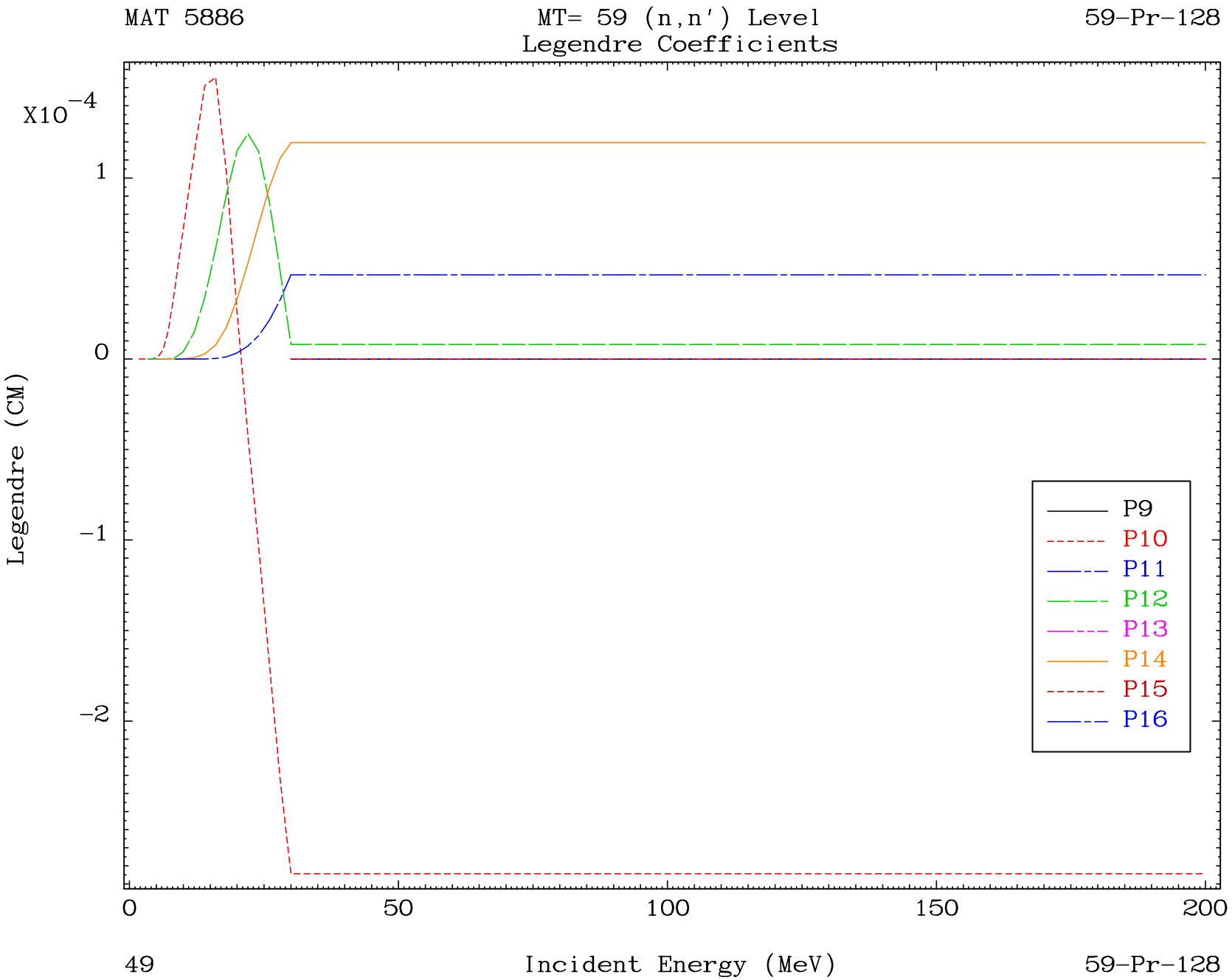

MAT 5886
MT= 58 (n,n') Level
Legendre Coefficients
59-Pr-128
0.4
0.2
0.0
-0.2
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
44
Incident Energy (MeV)
59-Pr-128

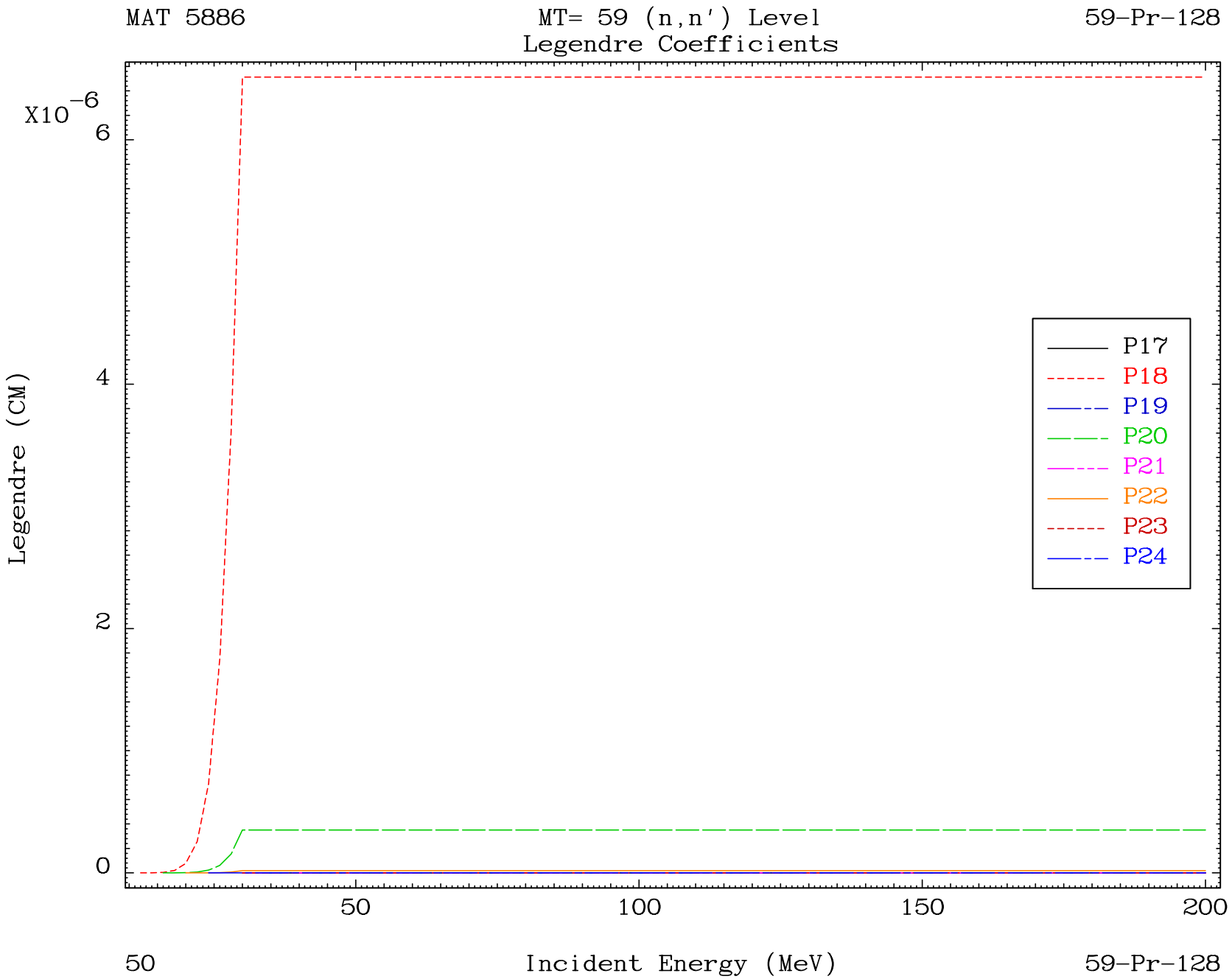

MAT 5886
MT= 58 (n,n') Level
Legendre Coefficients
59-Pr-128
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
45
Incident Energy (MeV)
59-Pr-128

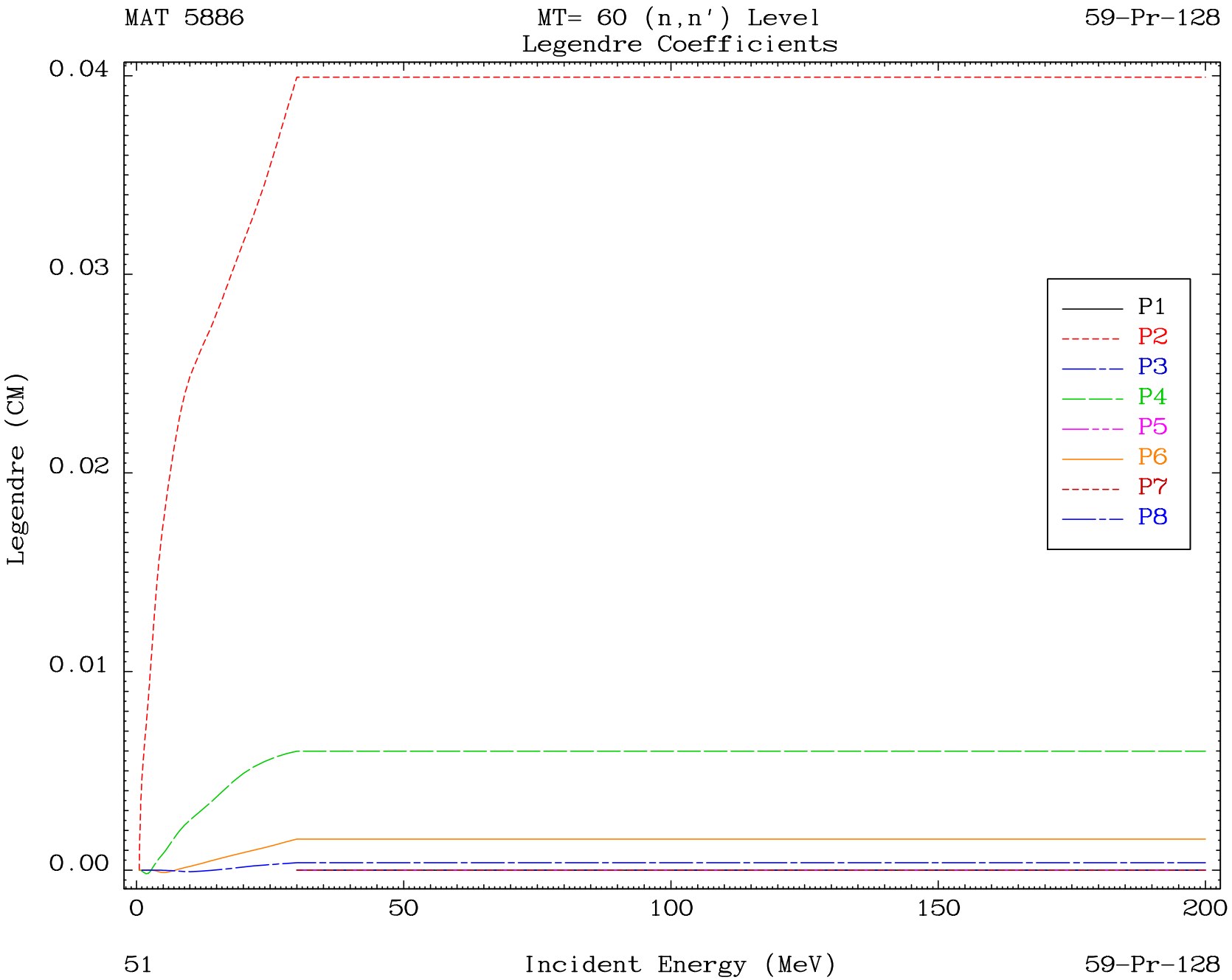

MAT 5886
MT= 58 (n,n') Level
Legendre Coefficients
59-Pr-128
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
59-Pr-128

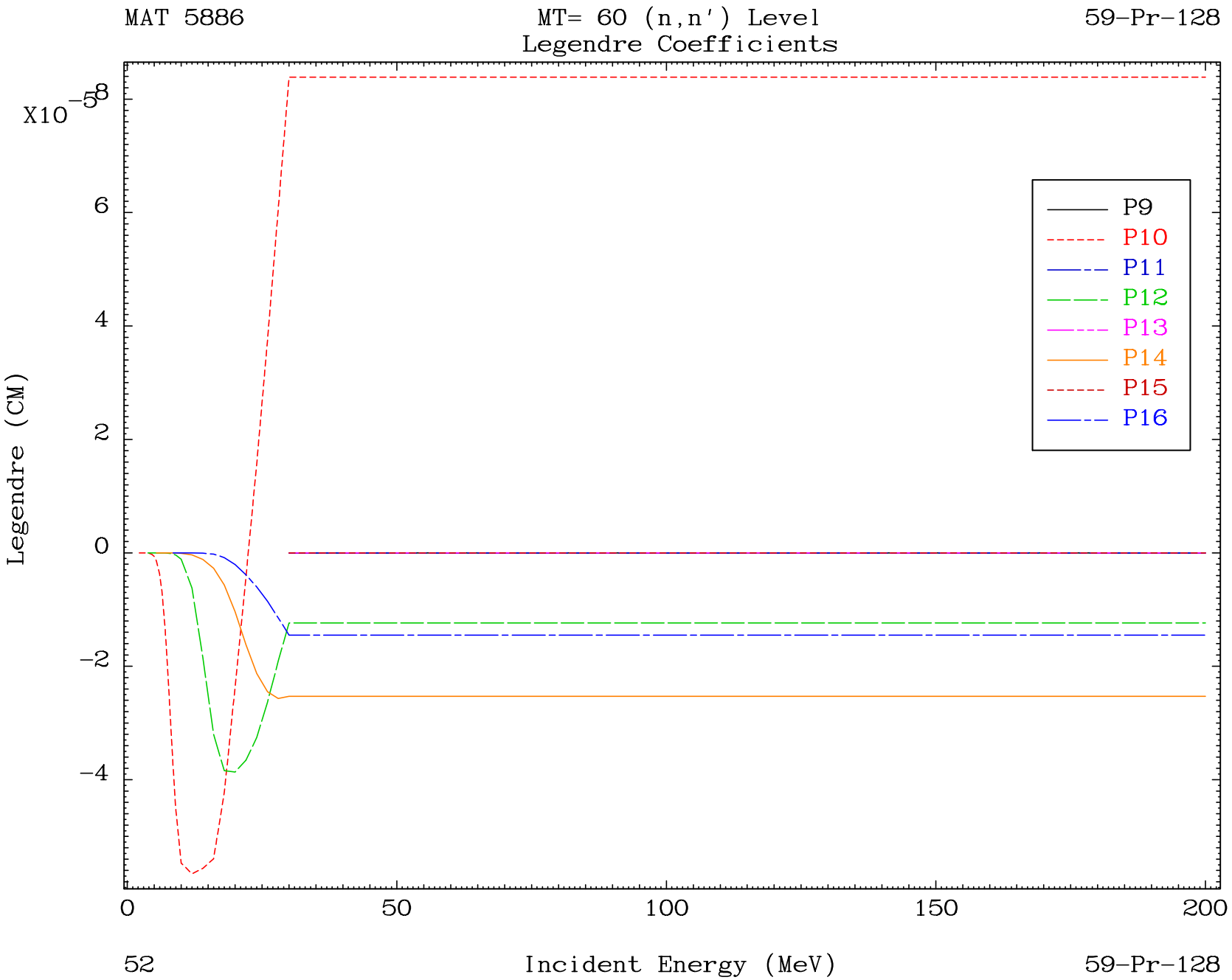

MAT 5886
MT= 58 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34
P35
P36

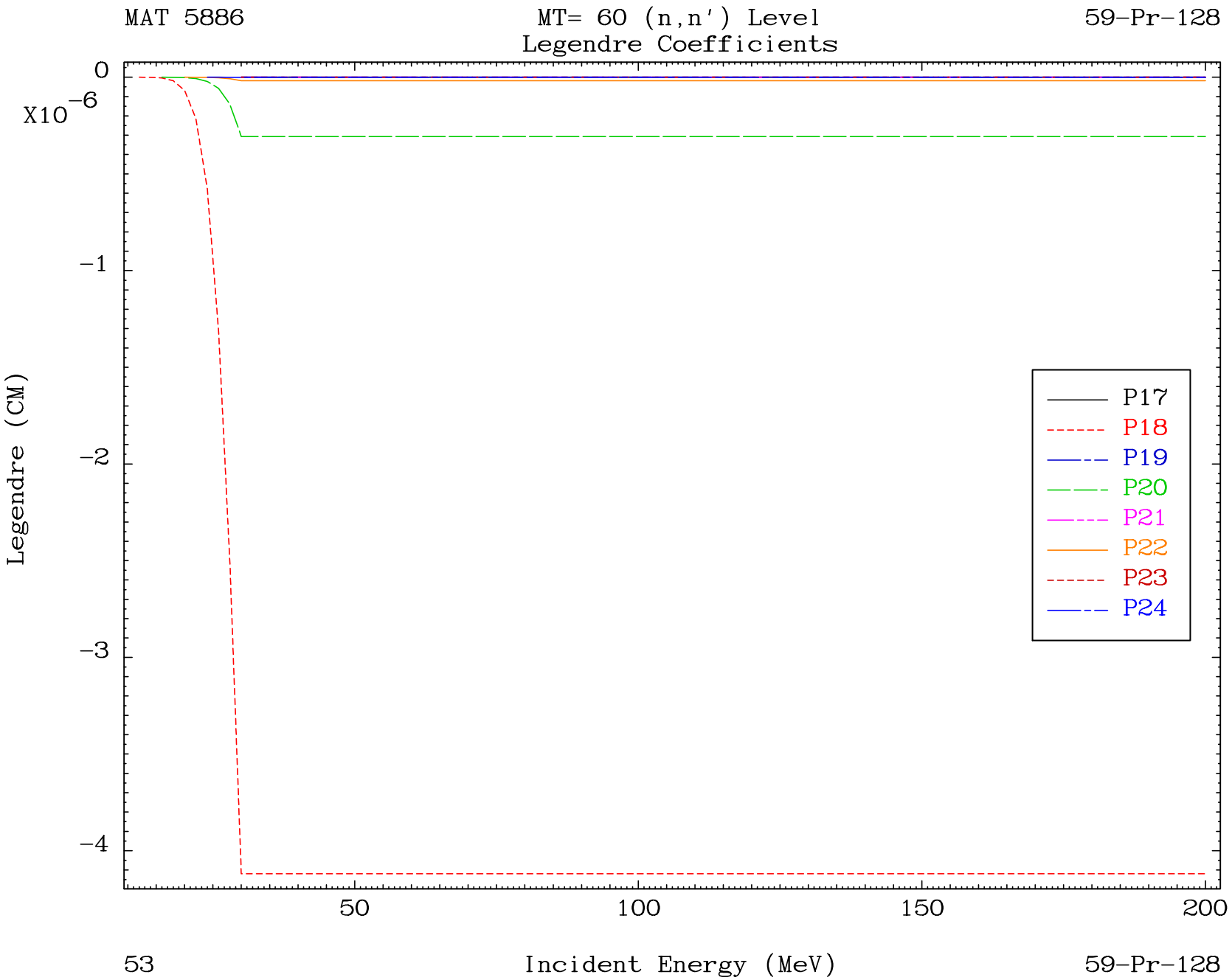

MAT 5886
MT= 59 (n,n') Level
Legendre Coefficients
59-Pr-128
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
48
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

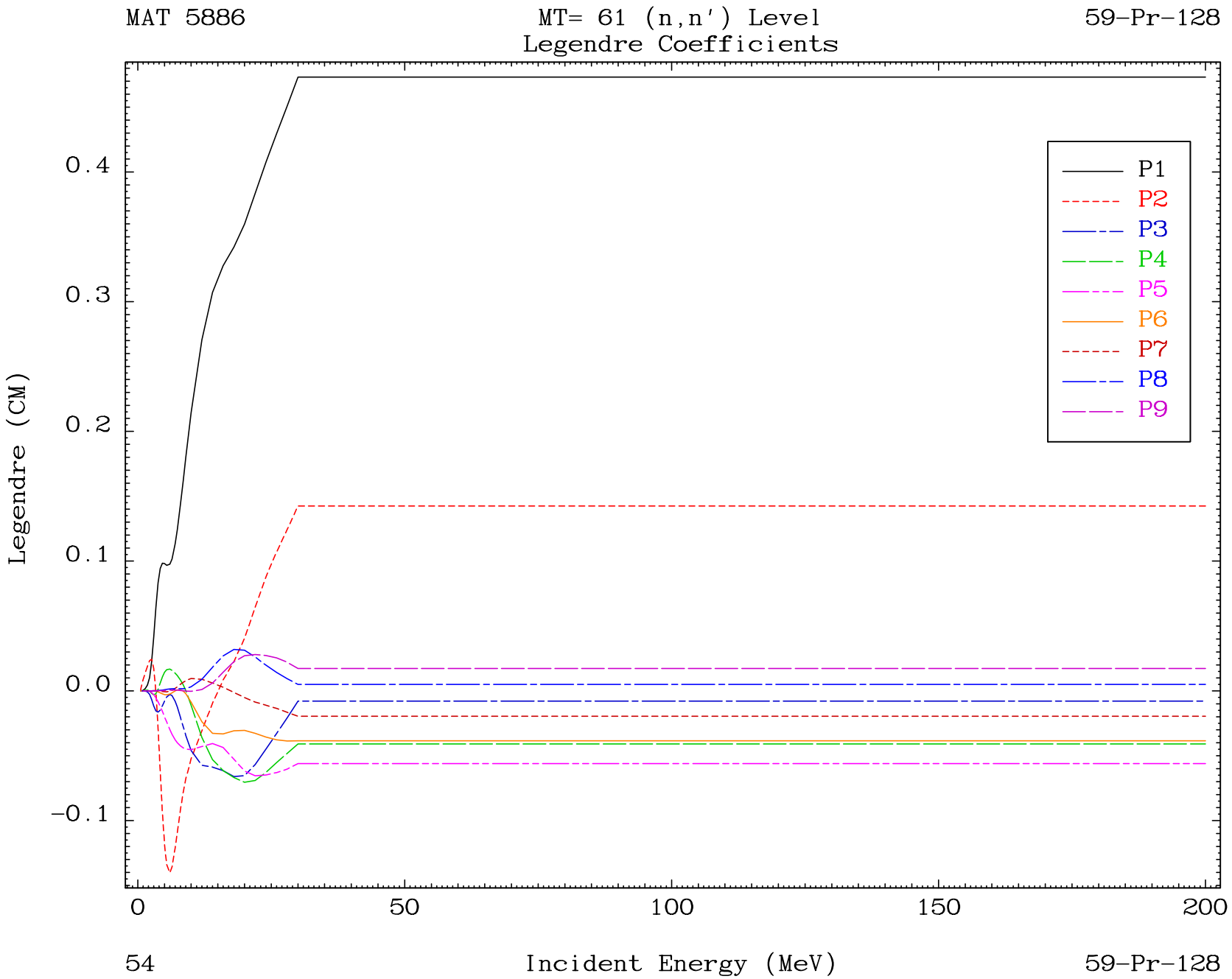

MAT 5886
MT= 59 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1
0
-1
-2
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
P9
P10
P11
P12
P13
P14
P15
P16
49
59-Pr-128

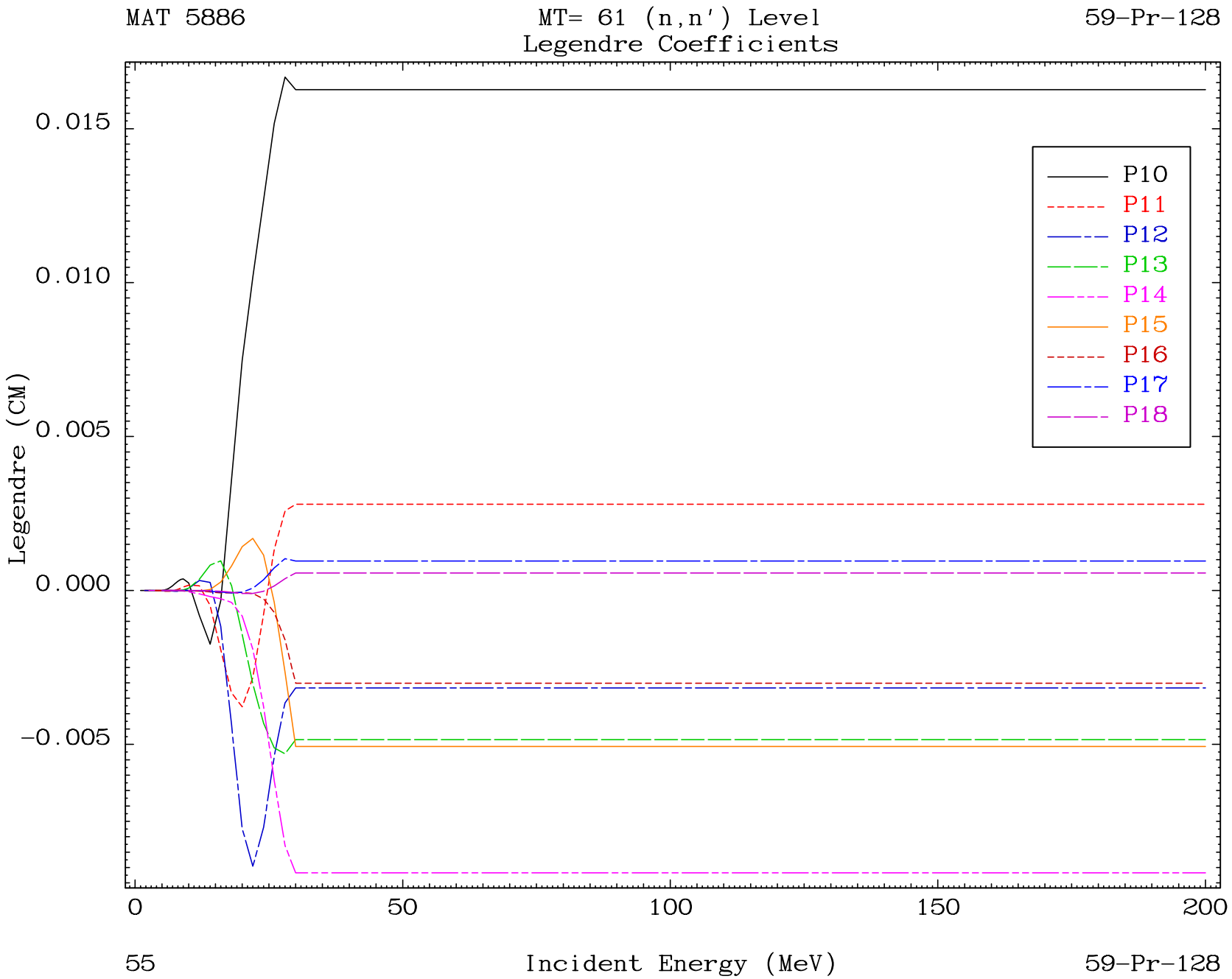

MAT 5886
MT= 59 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -6
6
4
2
0
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
59-Pr-128
P17
P18
P19
P20
P21
P22
P23
P24

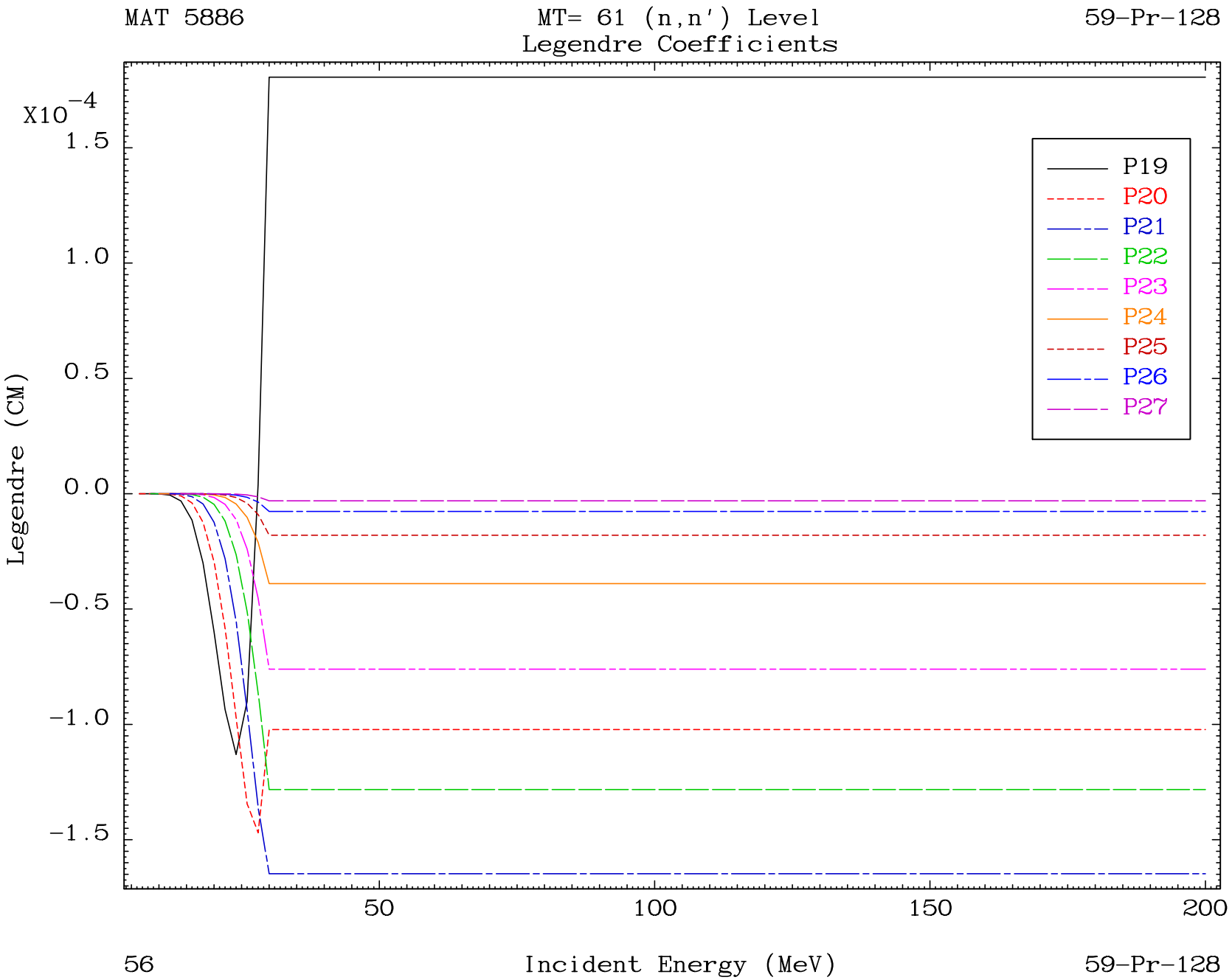

MAT 5886
MT= 60 (n,n') Level
Legendre Coefficients
59-Pr-128
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
51
Incident Energy (MeV)
59-Pr-128

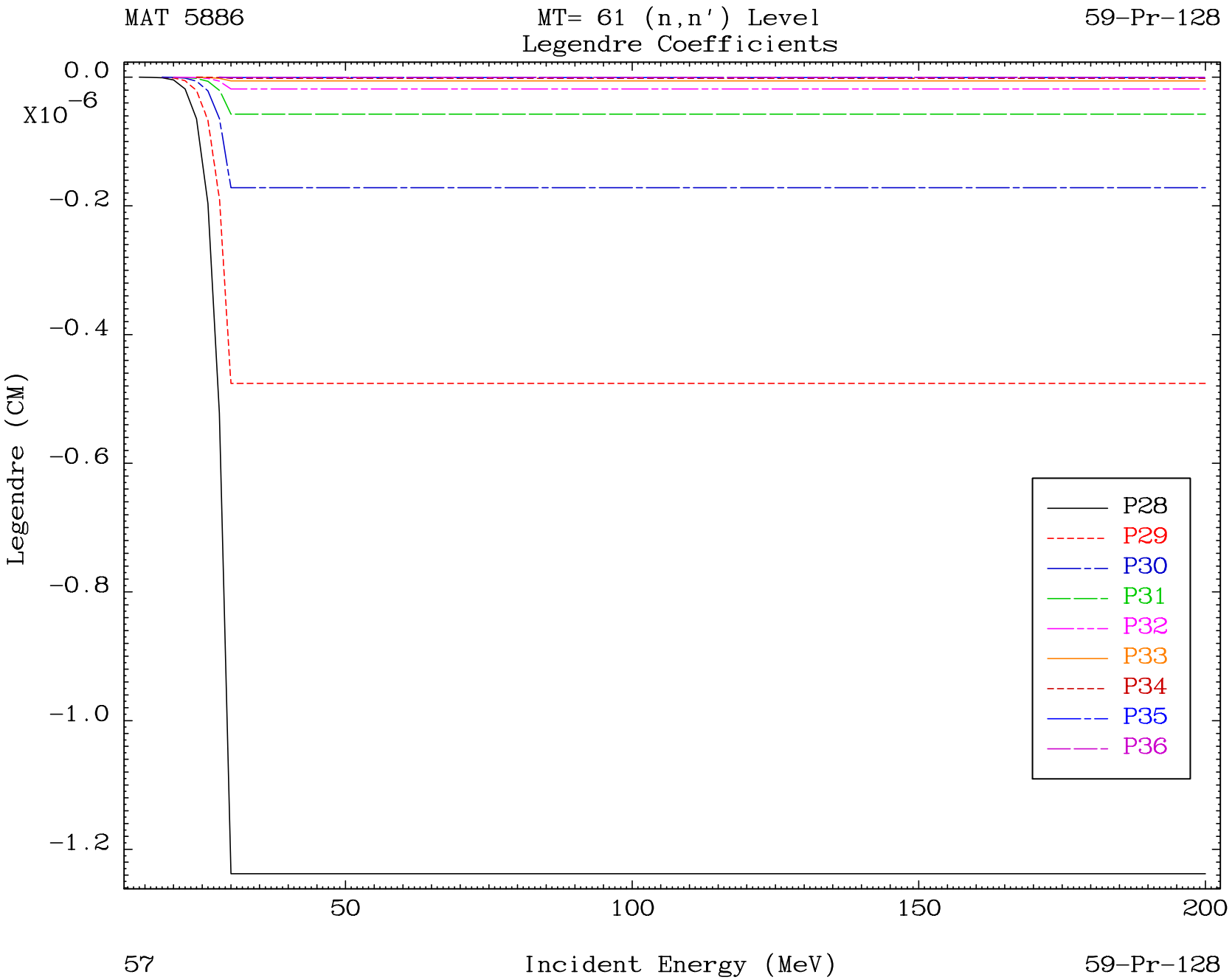

MAT 5886
MT= 60 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
8
6
4
2
0
-2
-4
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
52
Incident Energy (MeV)
59-Pr-128

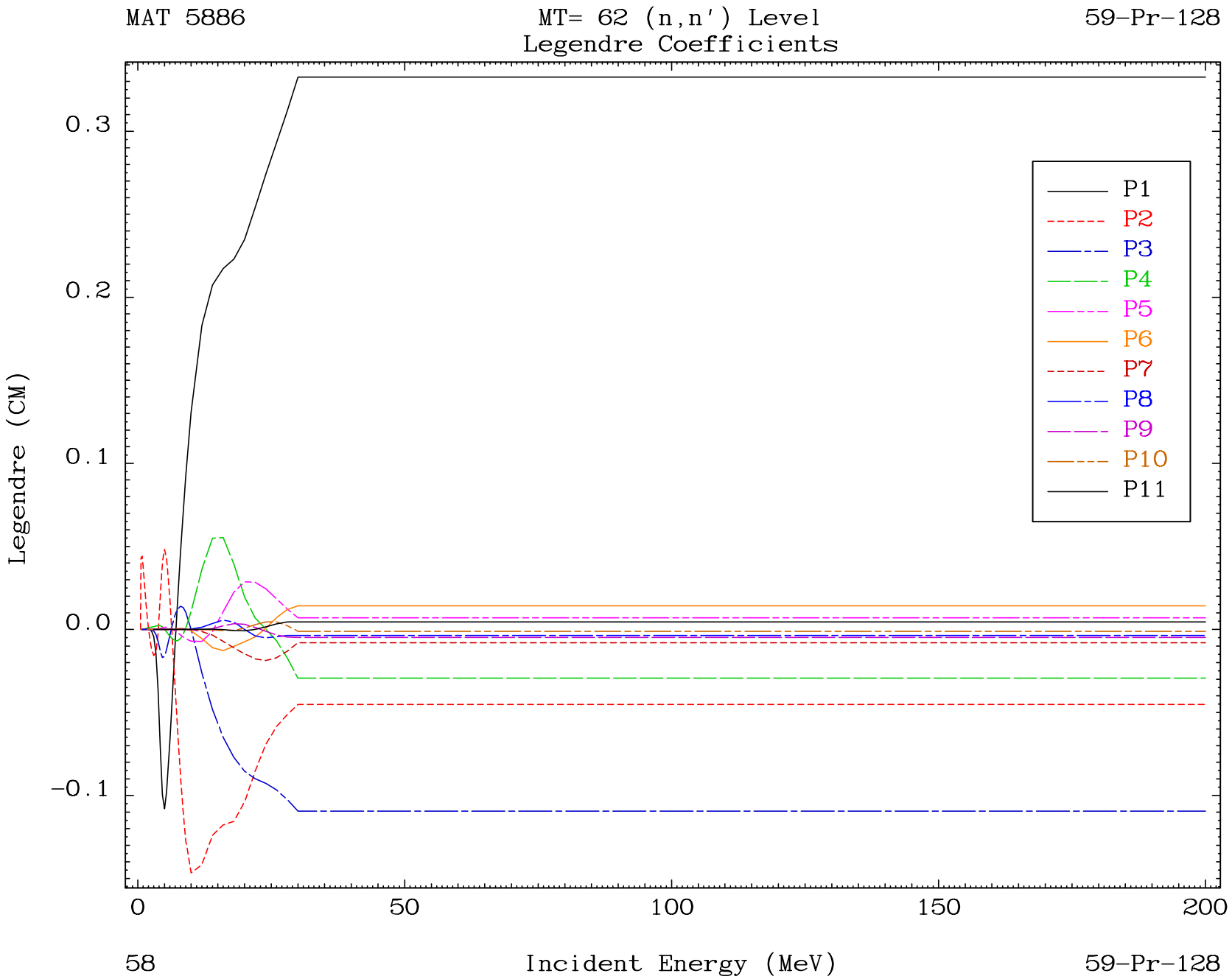

MAT 5886
MT= 60 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
59-Pr-128
P17
P18
P19
P20
P21
P22
P23
P24

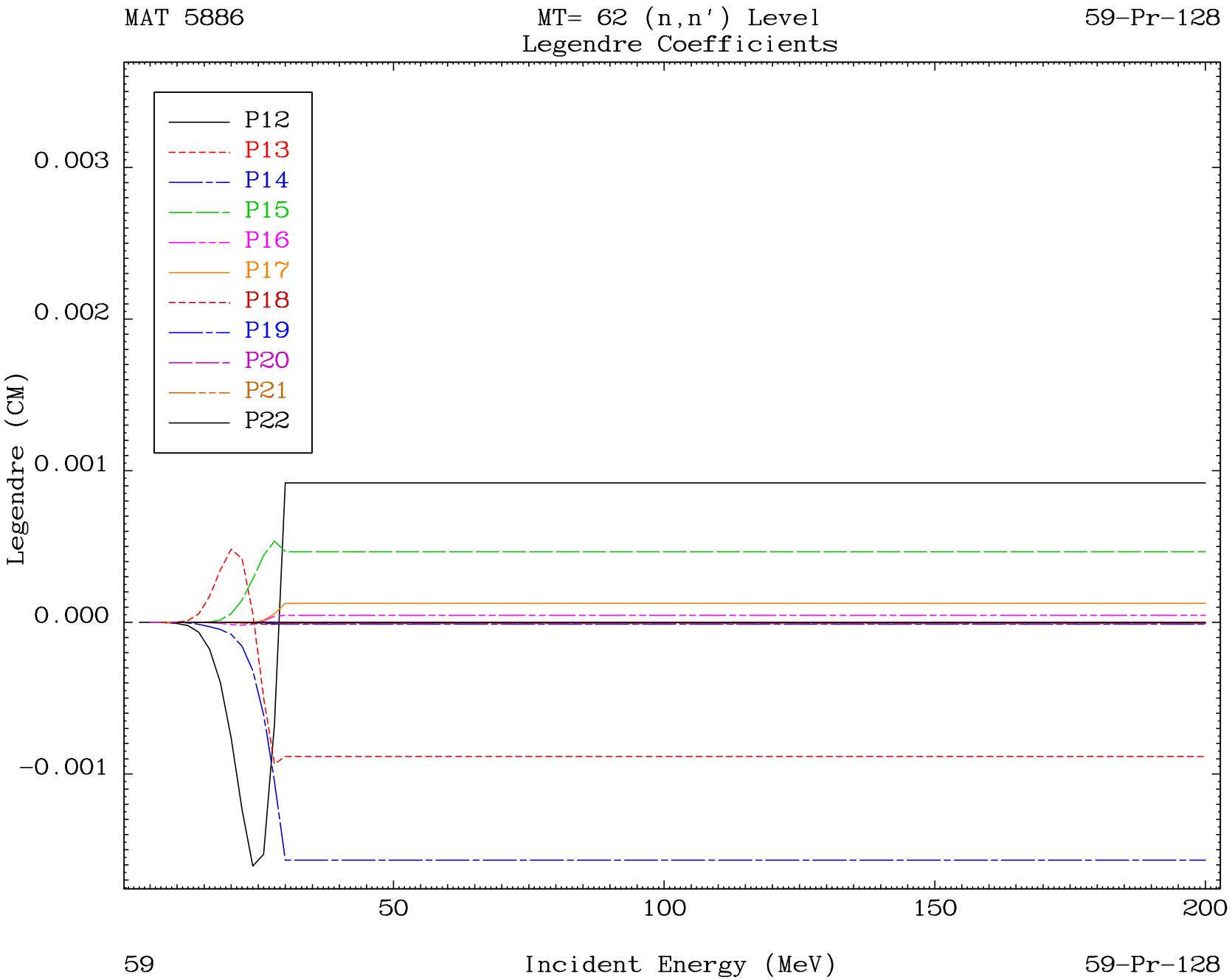

MAT 5886
MT= 61 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
54
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

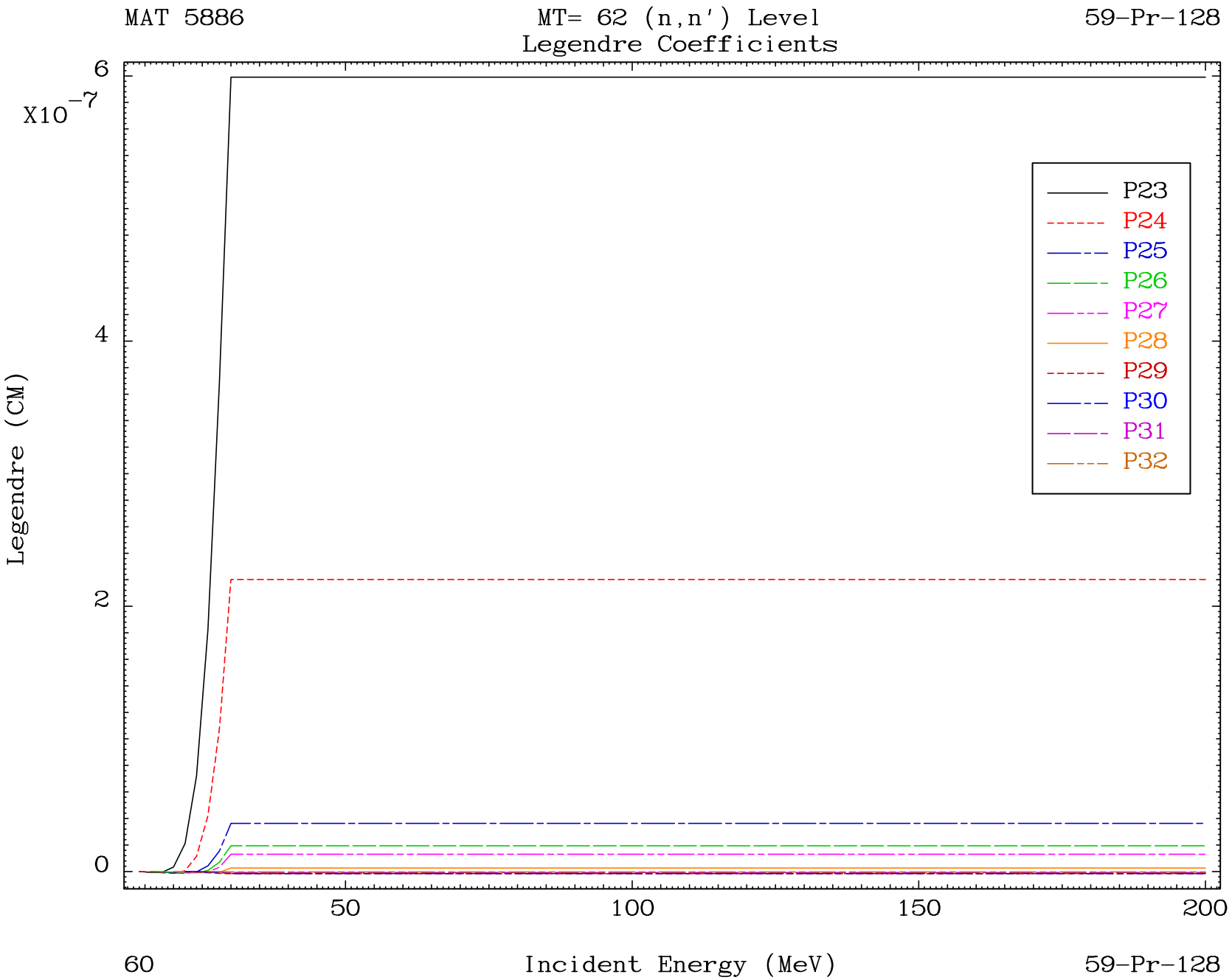

MAT 5886
MT= 61 (n,n') Level
Legendre Coefficients
59-Pr-128
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
55
Incident Energy (MeV)
59-Pr-128

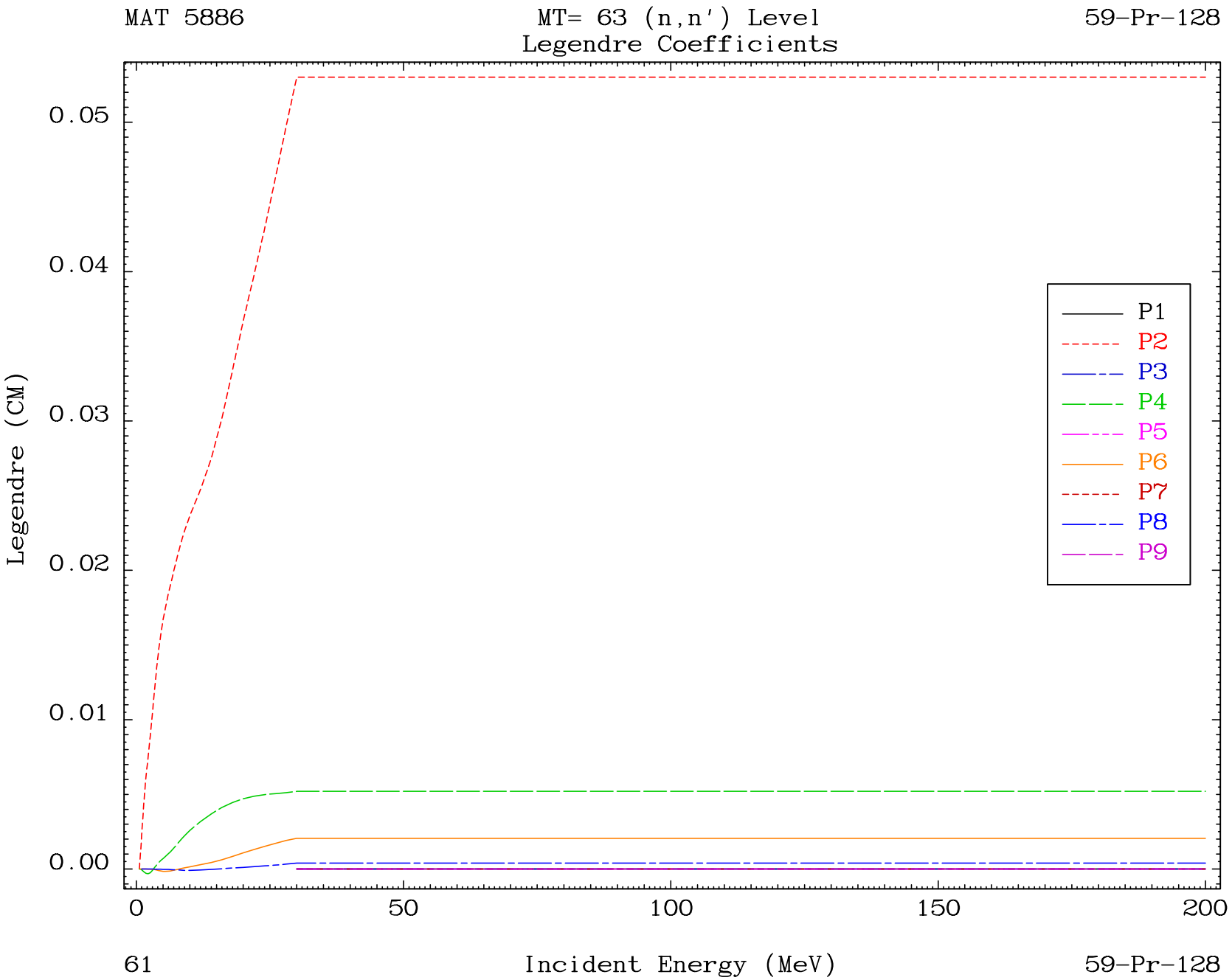

MAT 5886
MT= 61 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
56
Incident Energy (MeV)
59-Pr-128

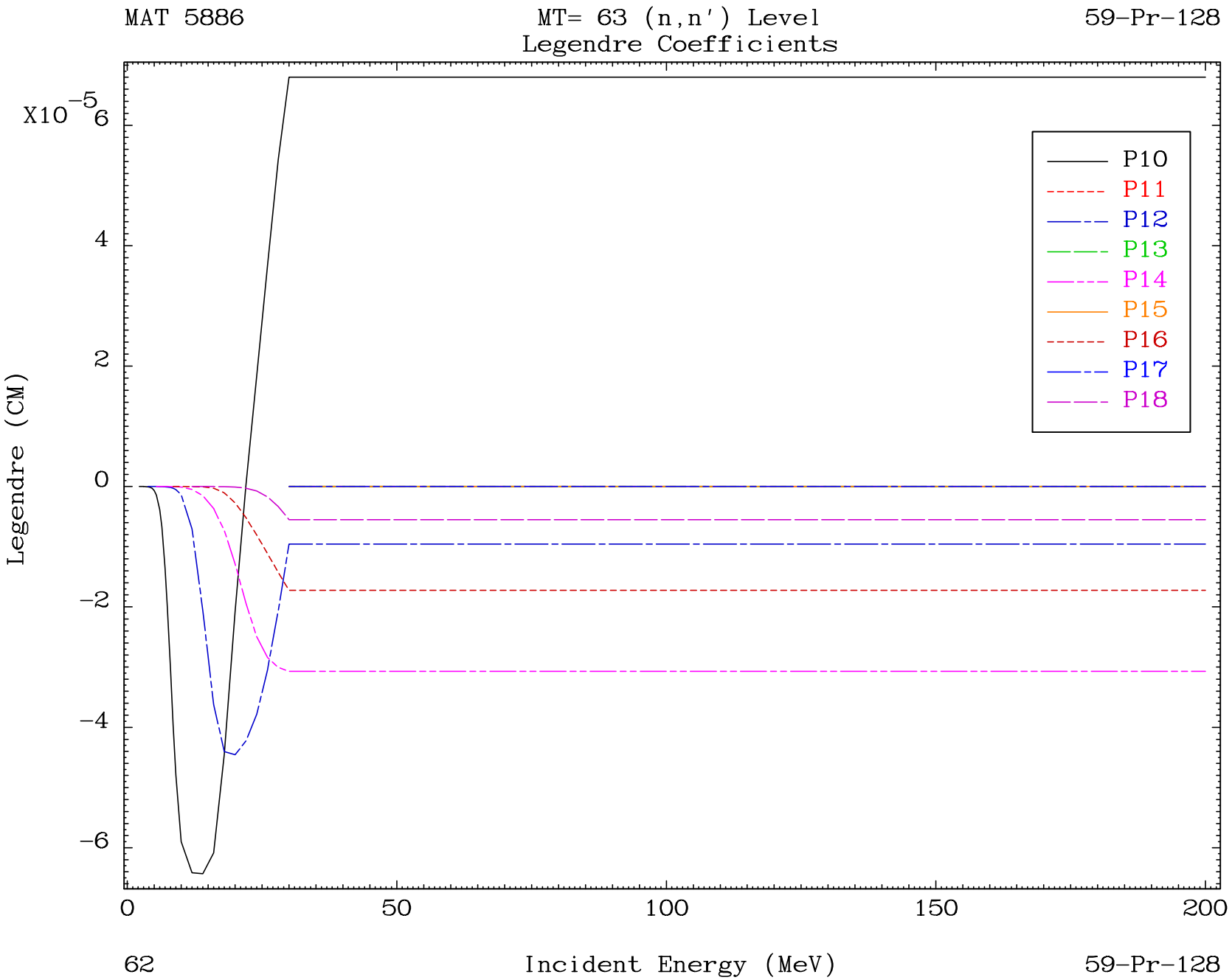

MAT 5886
MT= 61 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34
P35
P36

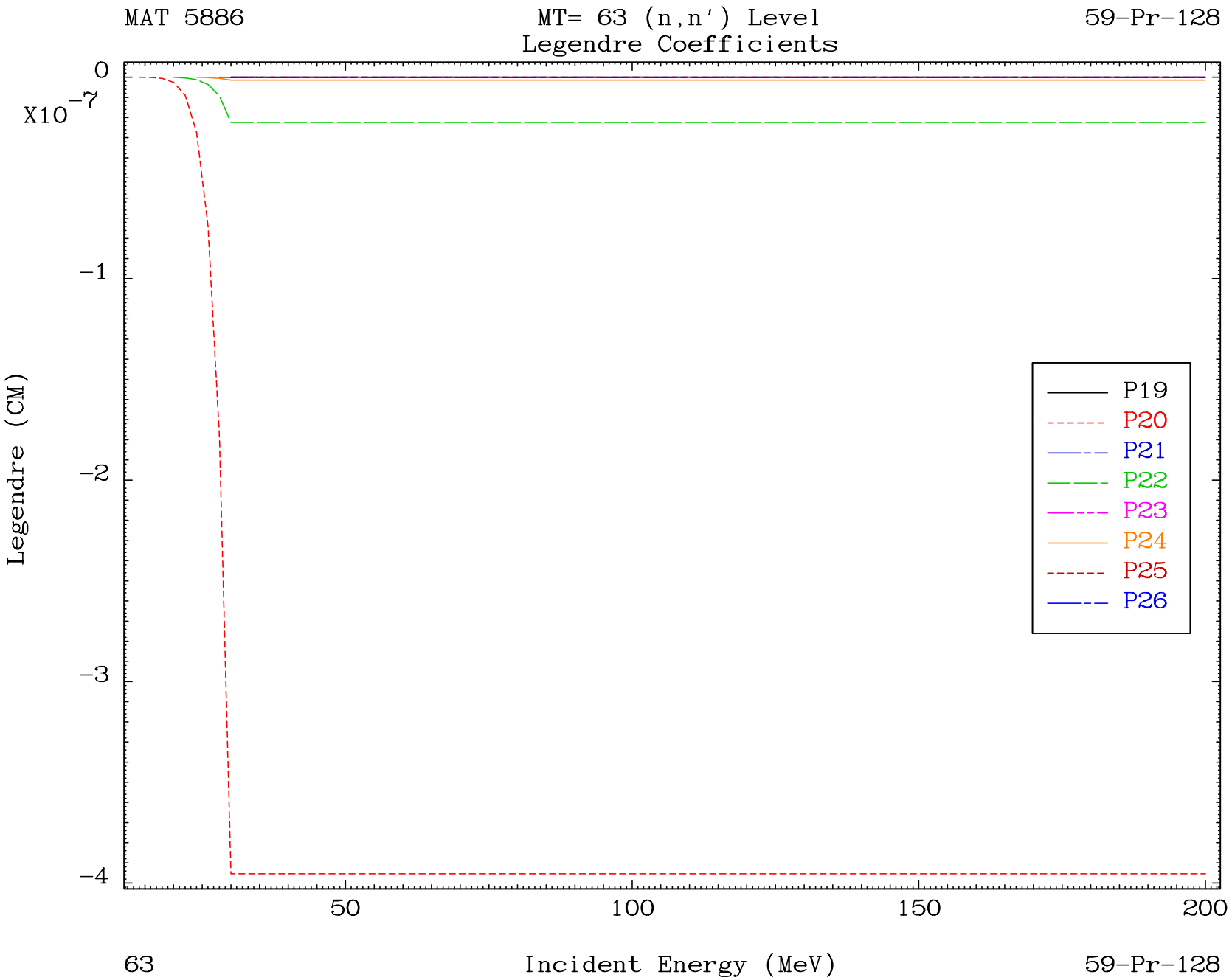

MAT 5886
MT= 62 (n,n') Level
Legendre Coefficients
59-Pr-128
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
58
Incident Energy (MeV)
59-Pr-128

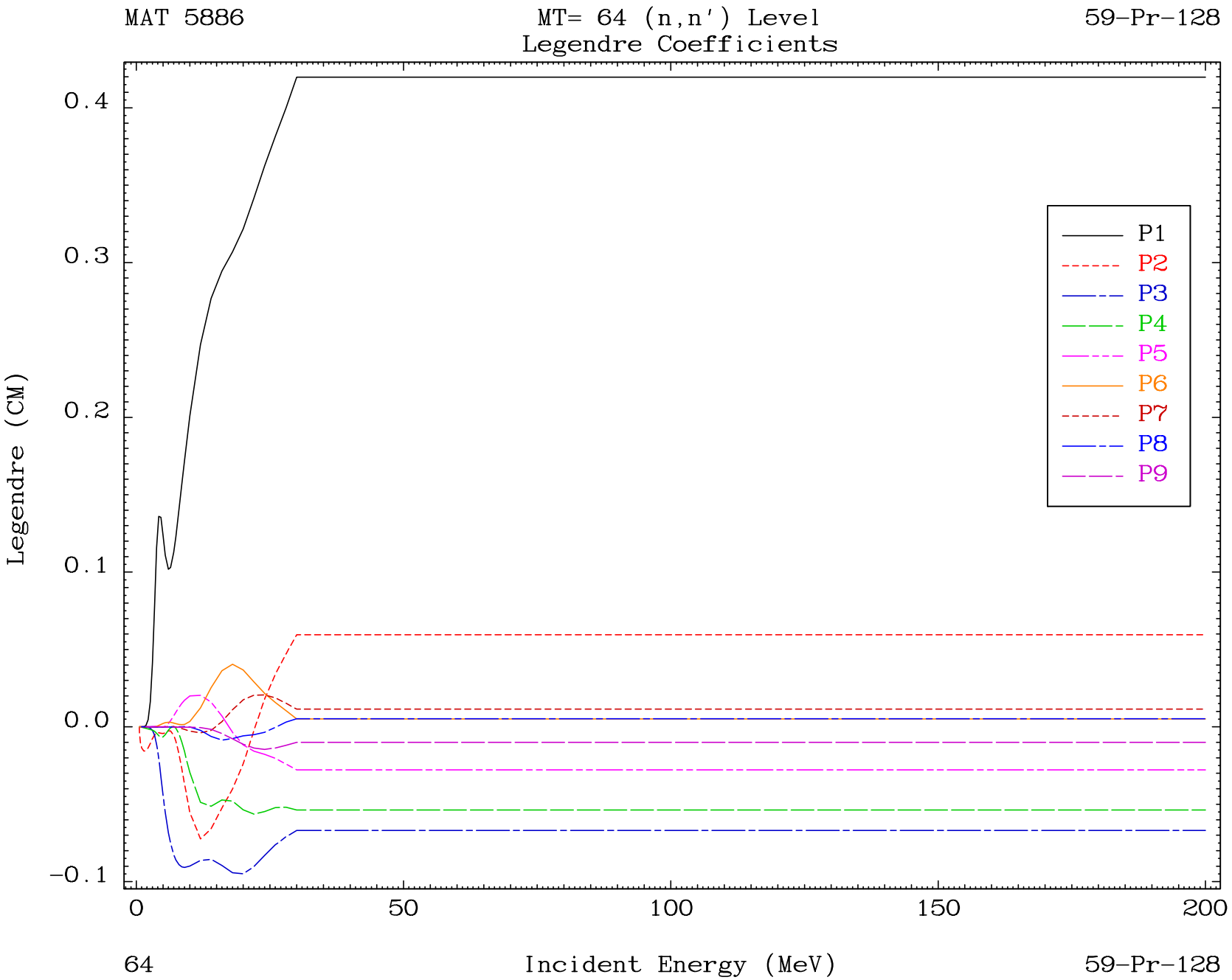

MAT 5886
MT= 62 (n,n') Level
Legendre Coefficients
59-Pr-128
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
59-Pr-128

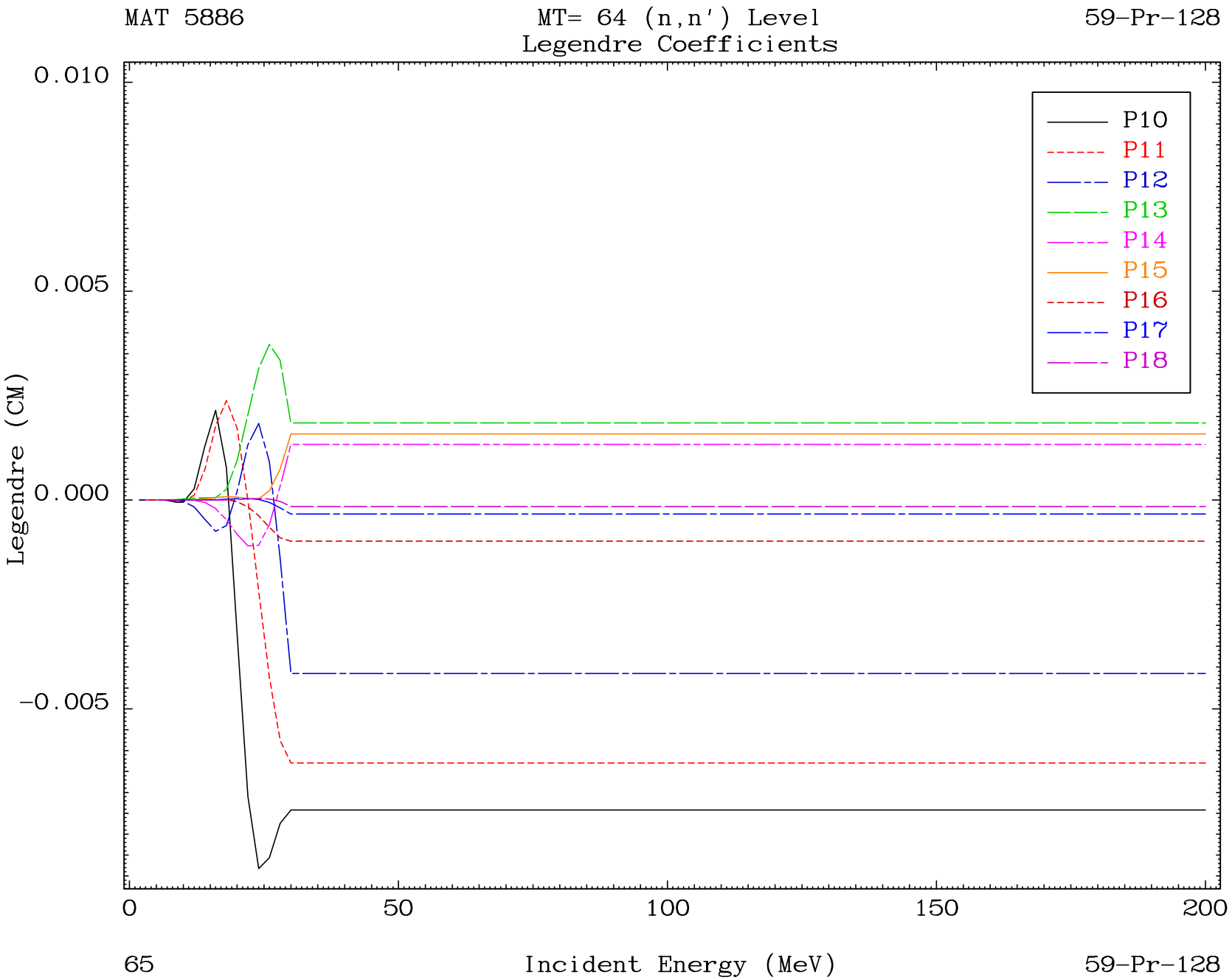

MAT 5886
MT= 62 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-7
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
60
Incident Energy (MeV)
59-Pr-128

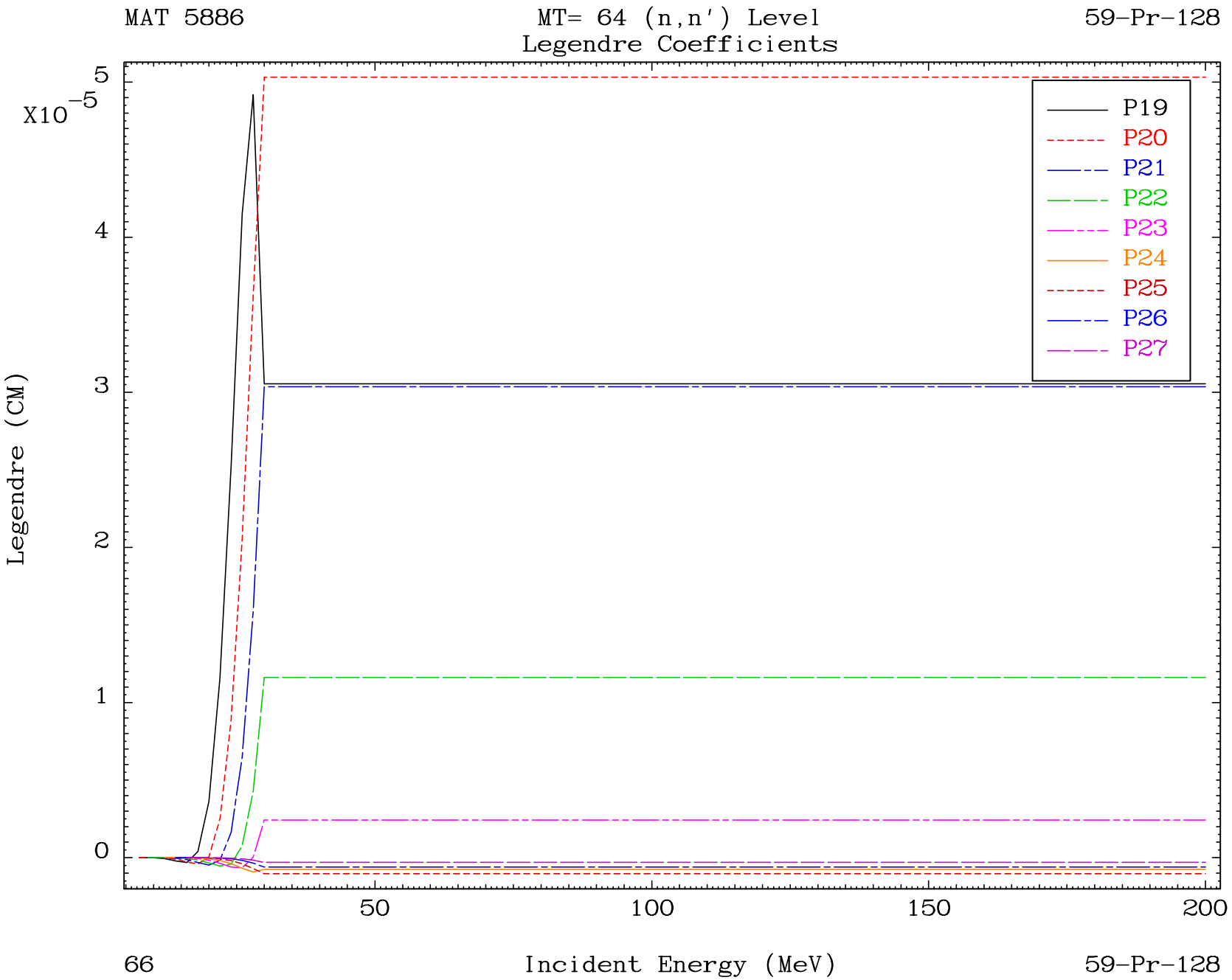

MAT 5886
MT= 63 (n,n') Level
Legendre Coefficients
59-Pr-128
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
61
Incident Energy (MeV)
59-Pr-128

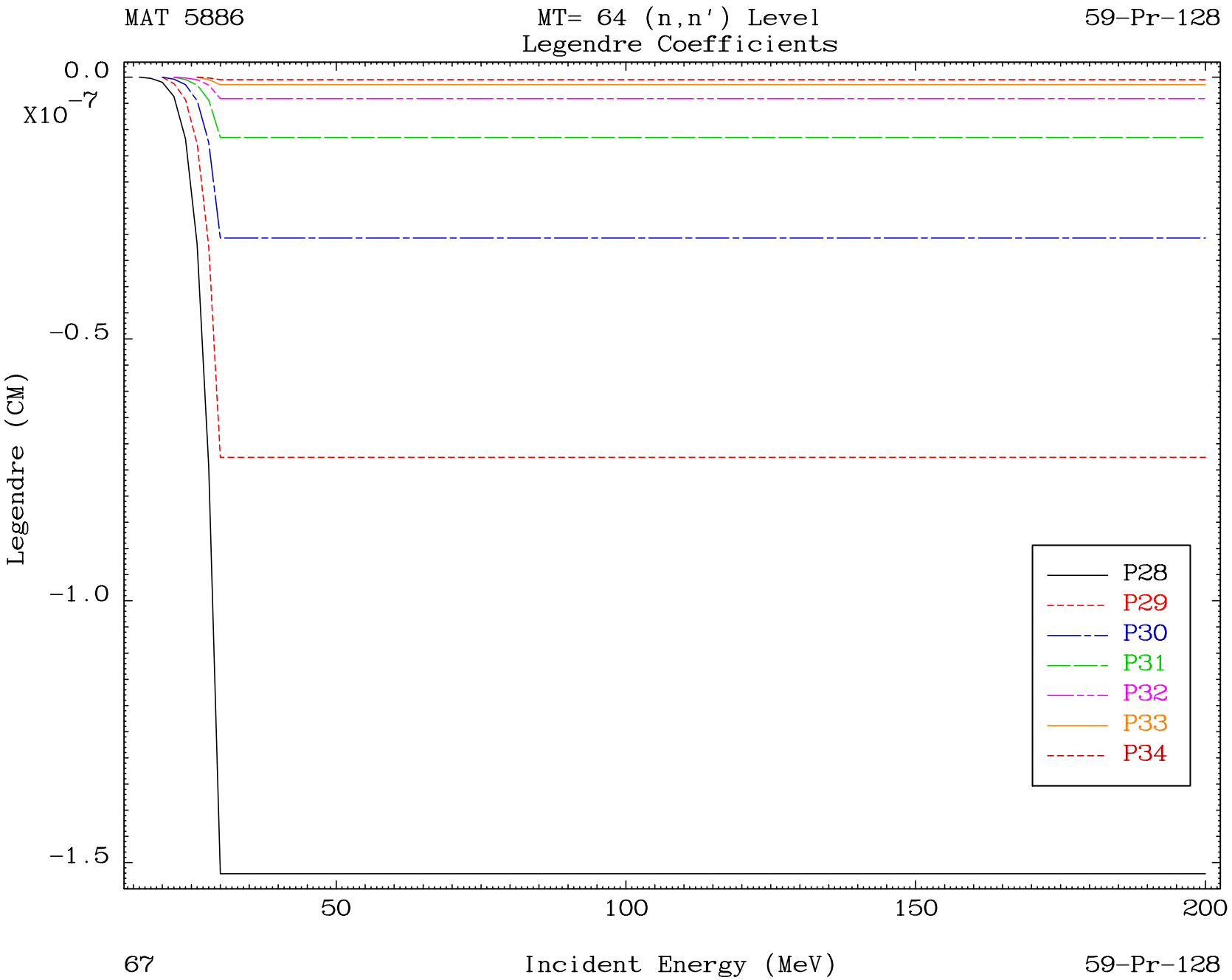

MAT 5886
MT= 63 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
6
4
2
0
-2
-4
-6
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
62
Incident Energy (MeV)
59-Pr-128

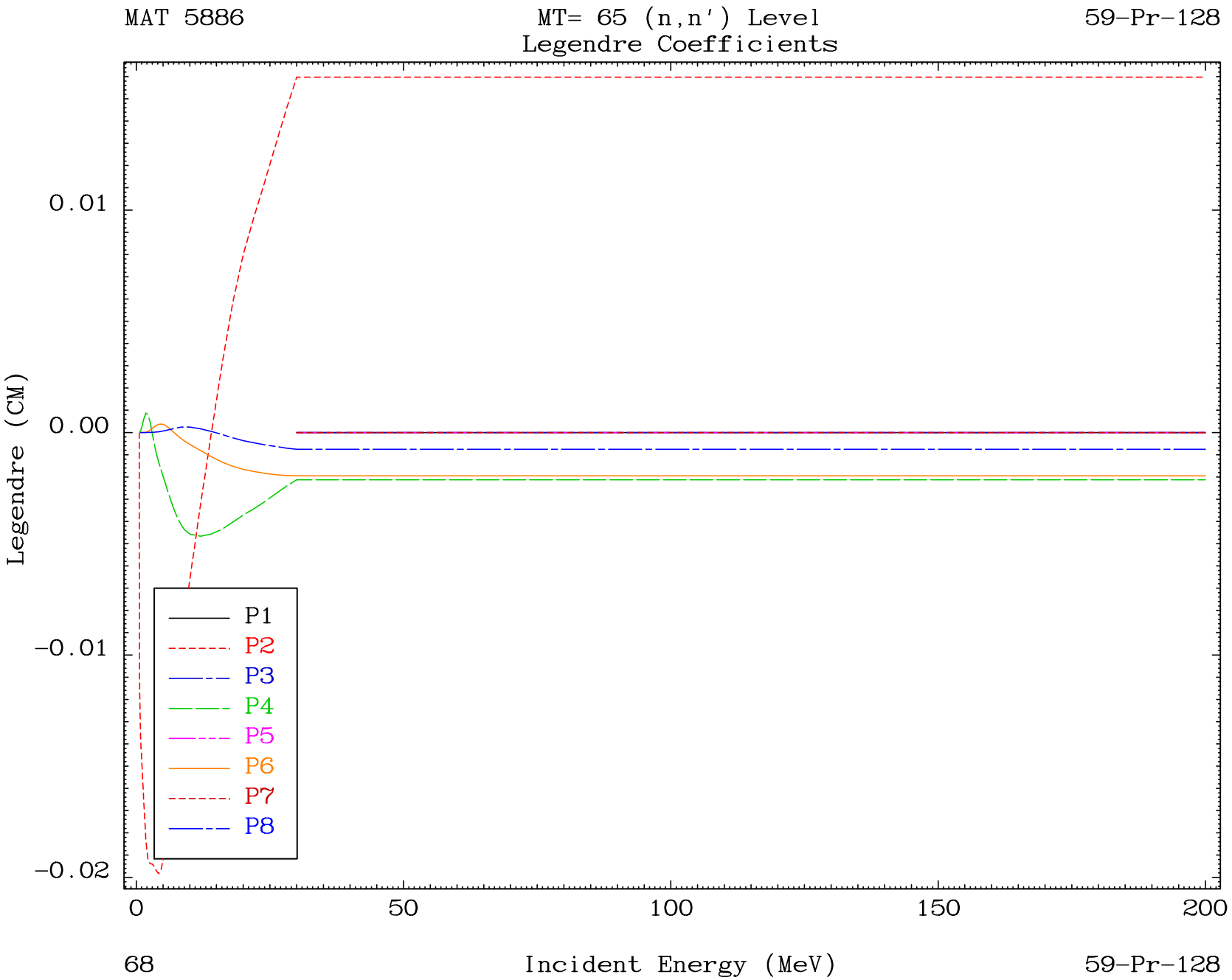

MAT 5886
MT= 63 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10-7
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
59-Pr-128
P19
P20
P21
P22
P23
P24
P25
P26

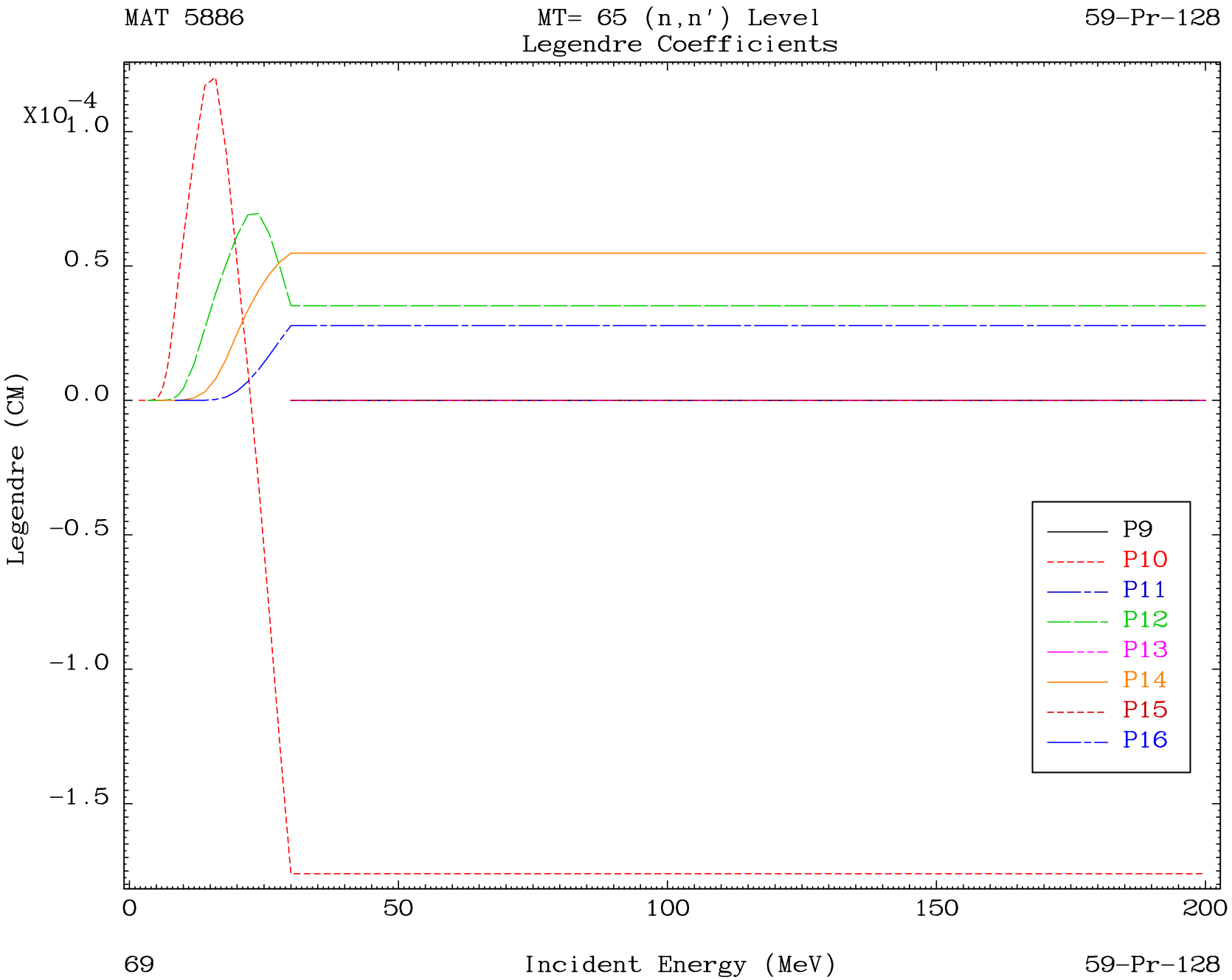

MAT 5886
MT= 64 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
64
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

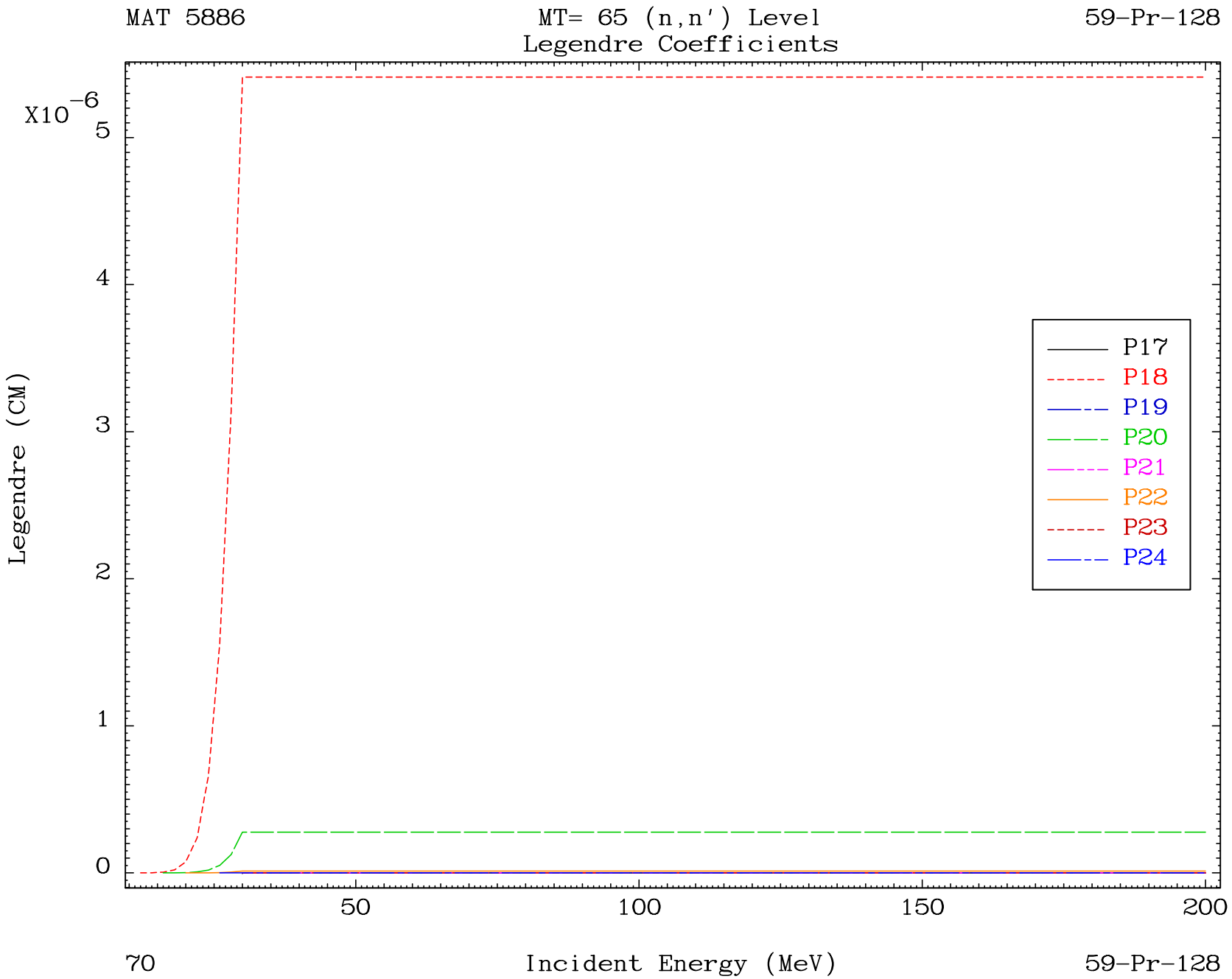

MAT 5886
MT= 64 (n,n') Level
Legendre Coefficients
59-Pr-128
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
65
Incident Energy (MeV)
59-Pr-128

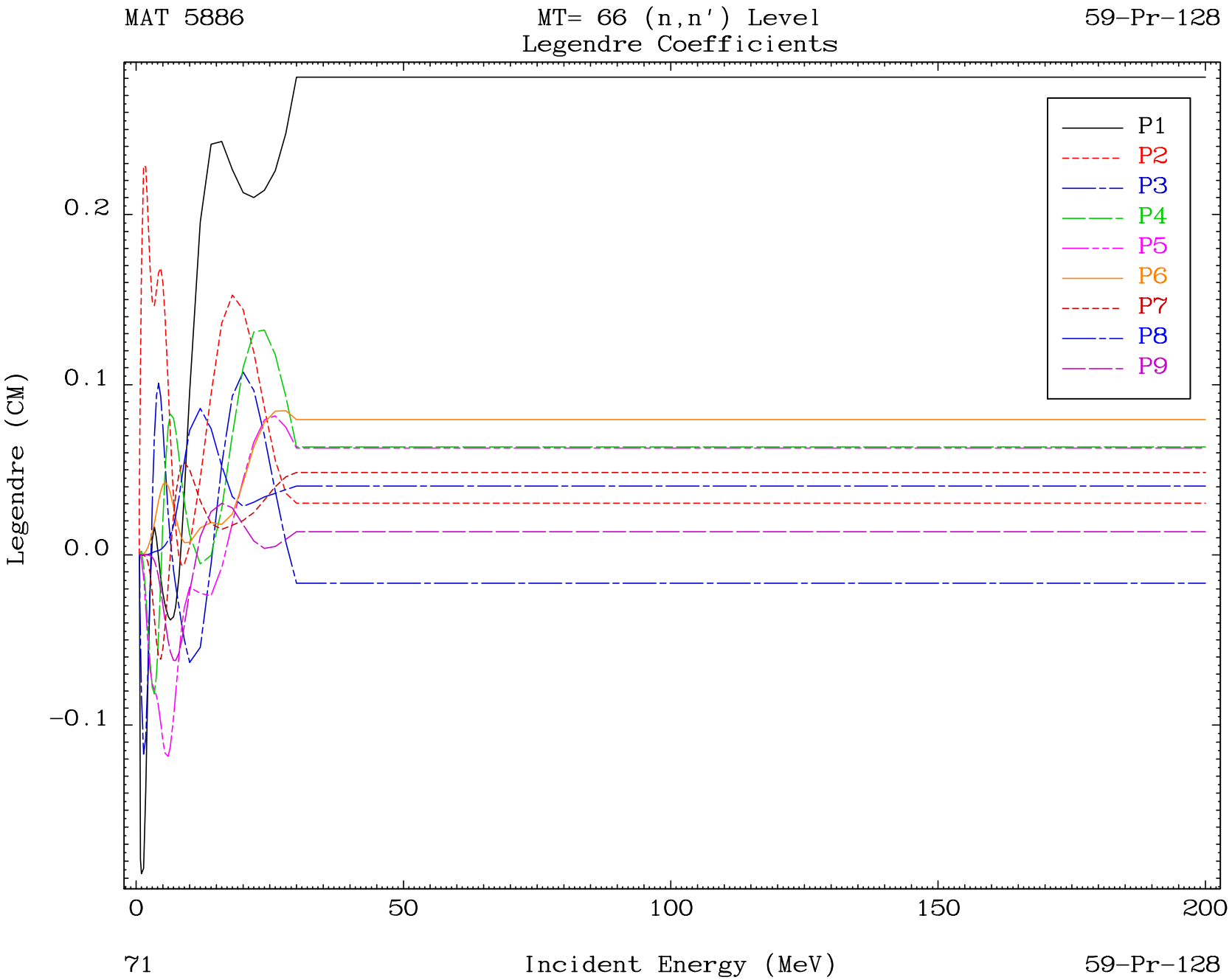

MAT 5886
MT= 64 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-5
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
66
Incident Energy (MeV)
59-Pr-128

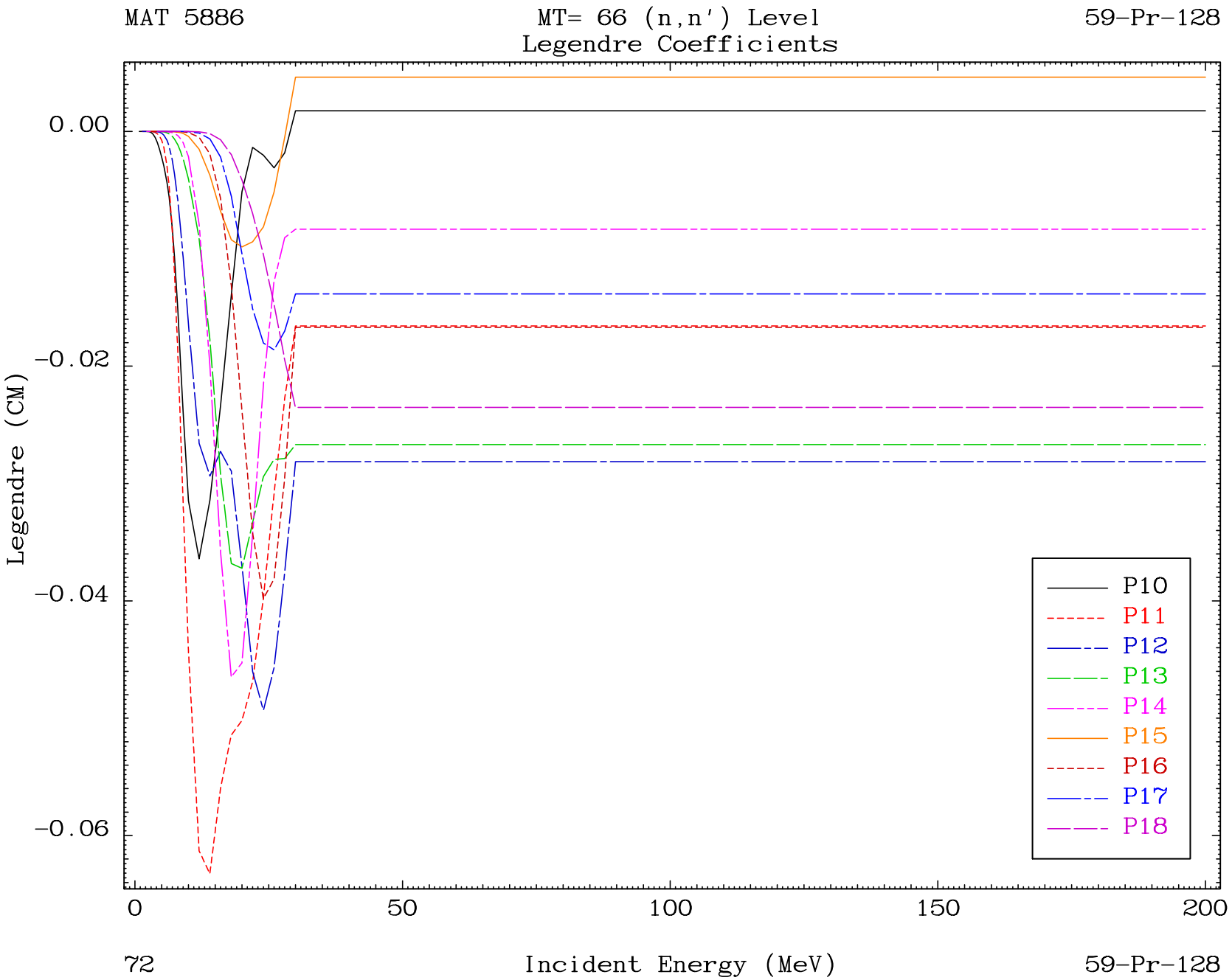

MAT 5886
MT= 64 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10^-7
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34

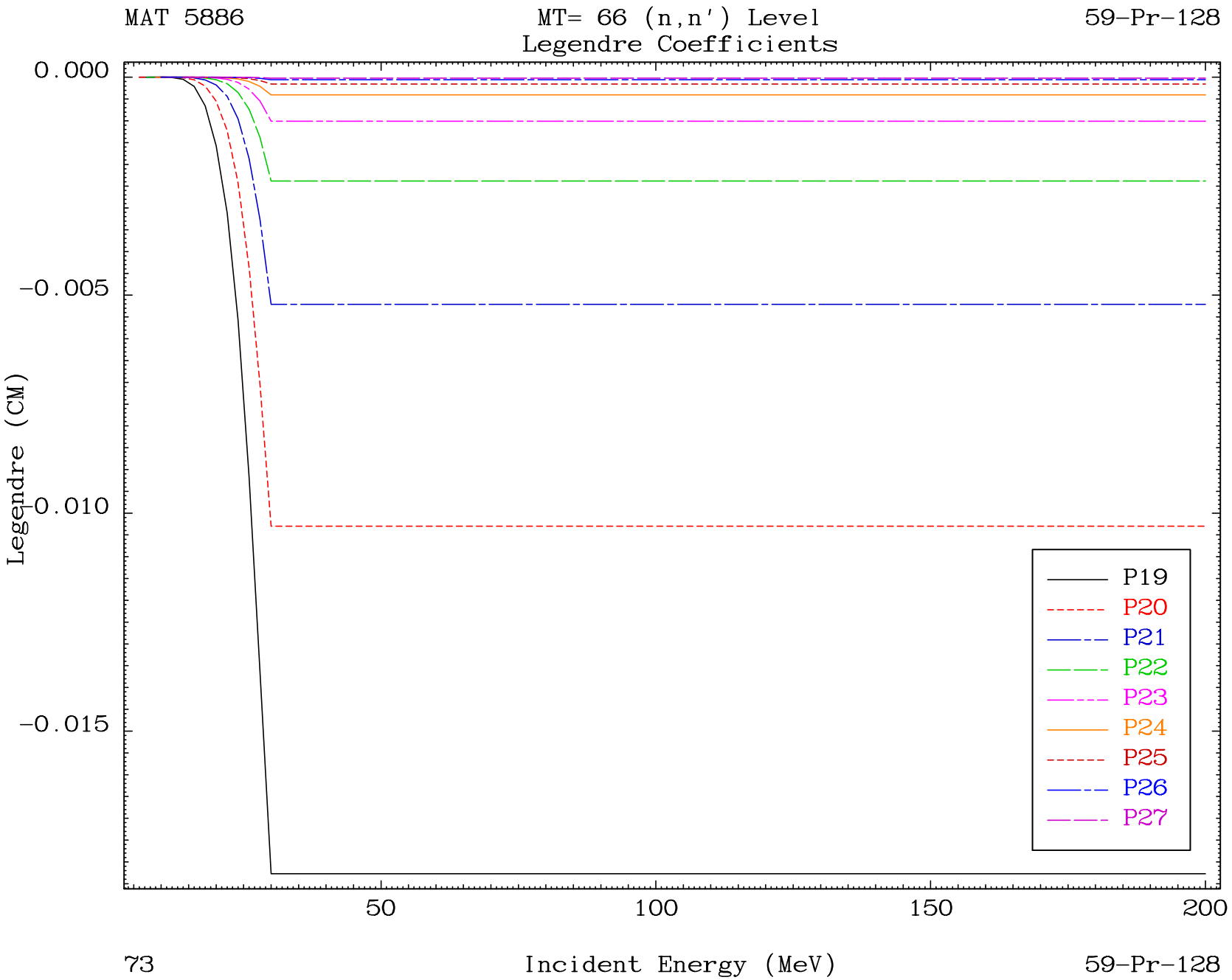

MAT 5886
MT= 65 (n,n') Level
Legendre Coefficients
59-Pr-128
0.01
0.00
-0.01
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
68
Incident Energy (MeV)
59-Pr-128

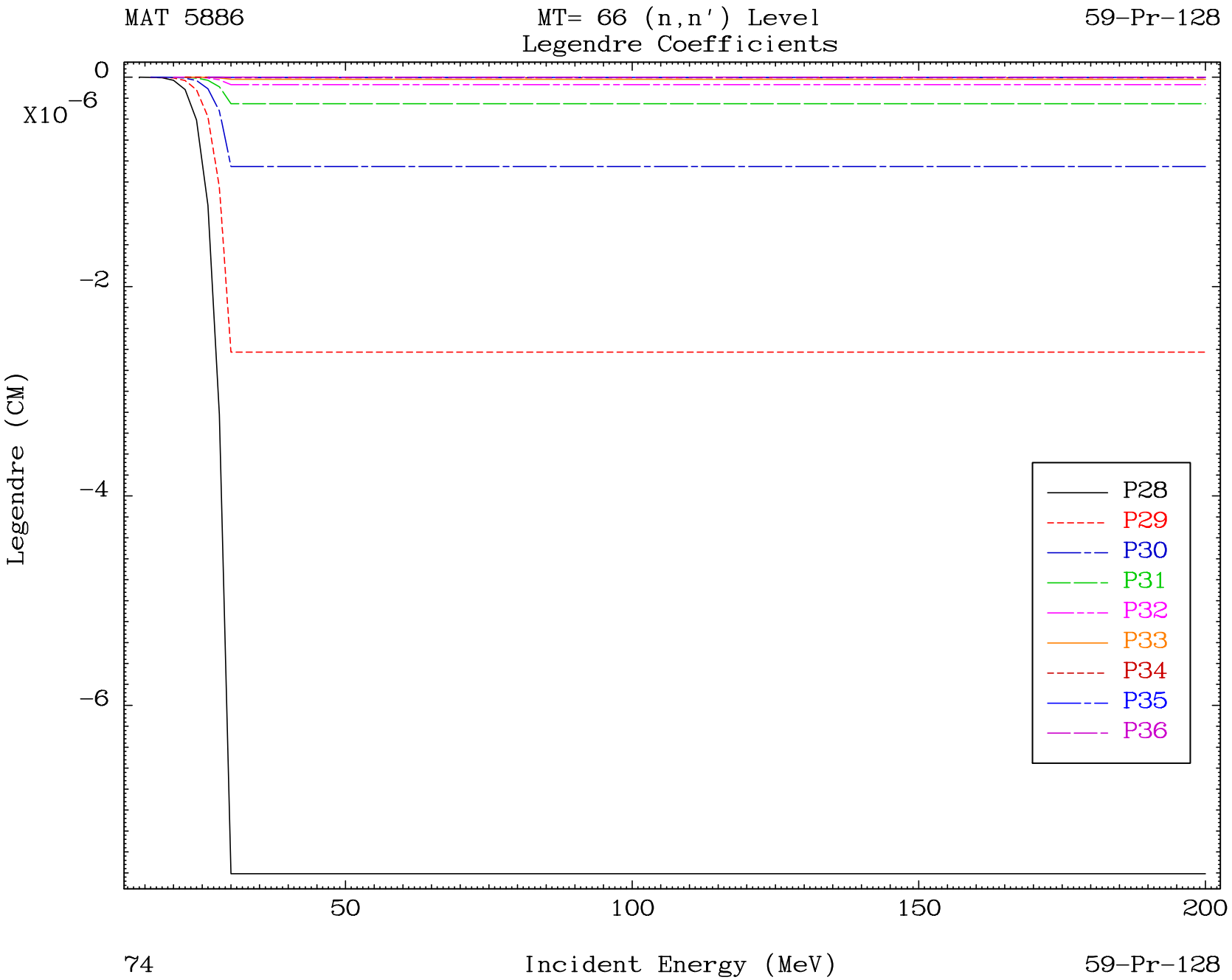

MAT 5886
MT= 65 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
59-Pr-128
P9
P10
P11
P12
P13
P14
P15
P16

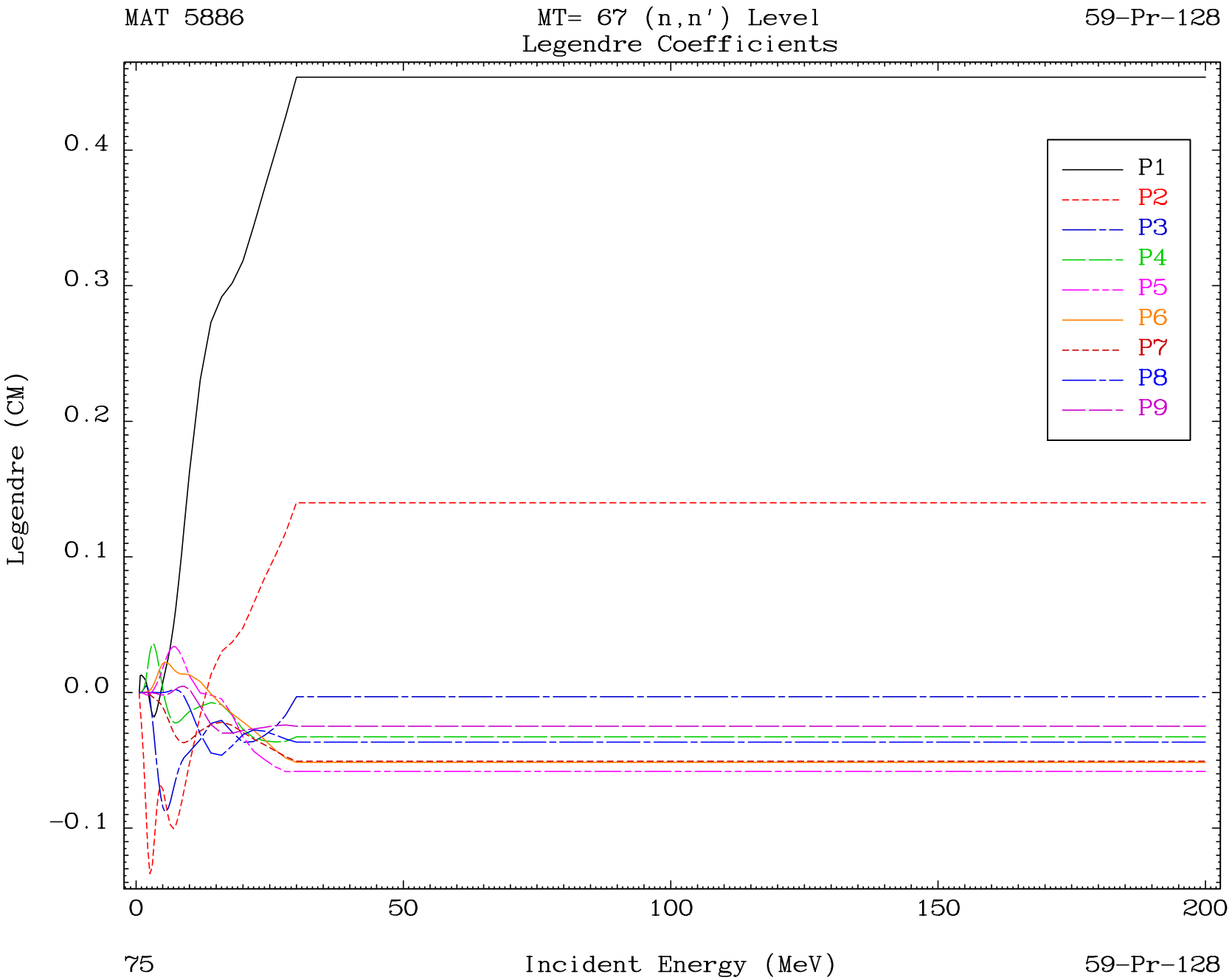

MAT 5886
MT= 65 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 −6
5
4
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
70
Incident Energy (MeV)
59-Pr-128

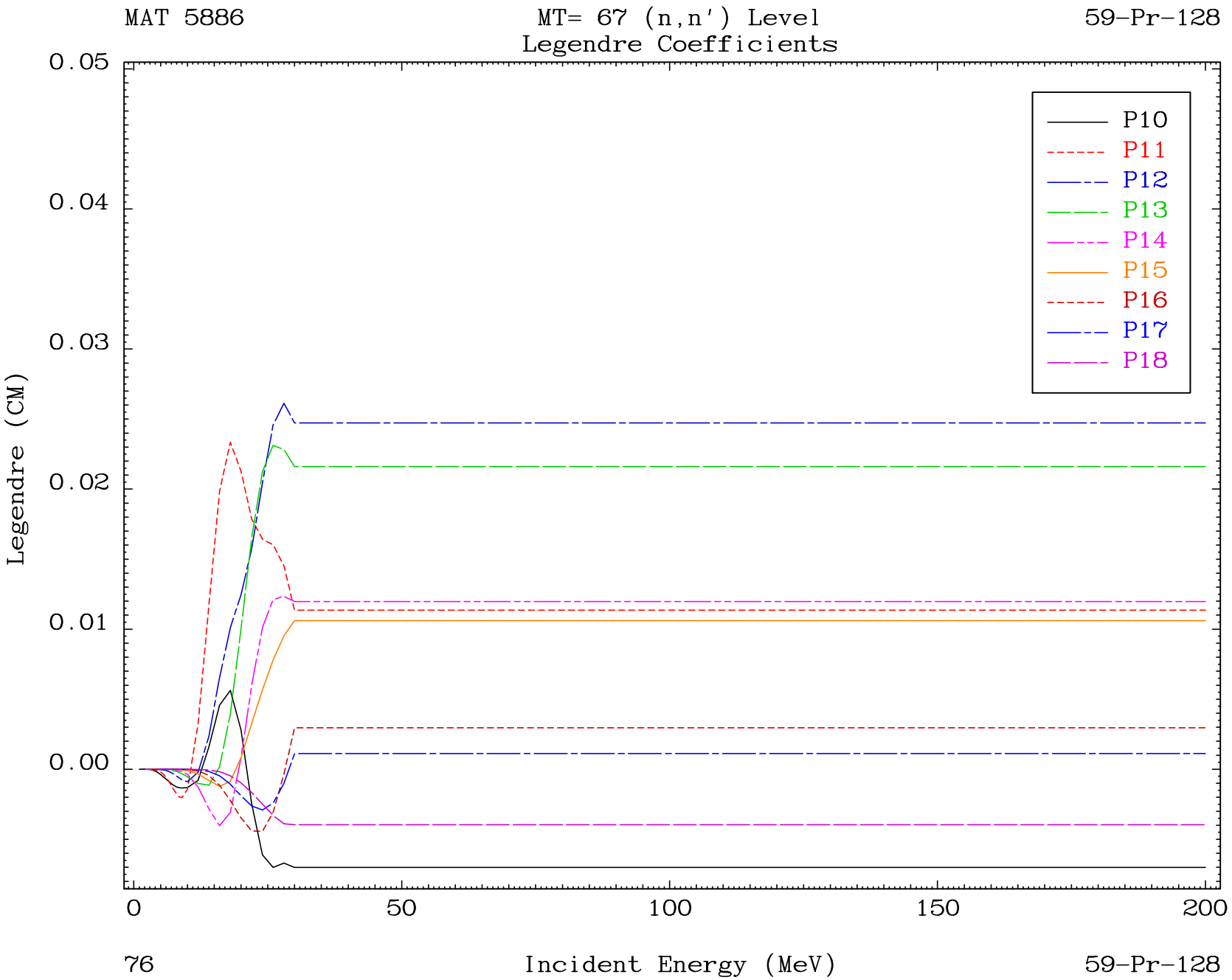

MAT 5886
MT= 66 (n,n') Level
Legendre Coefficients
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
71
Incident Energy (MeV)
59-Pr-128

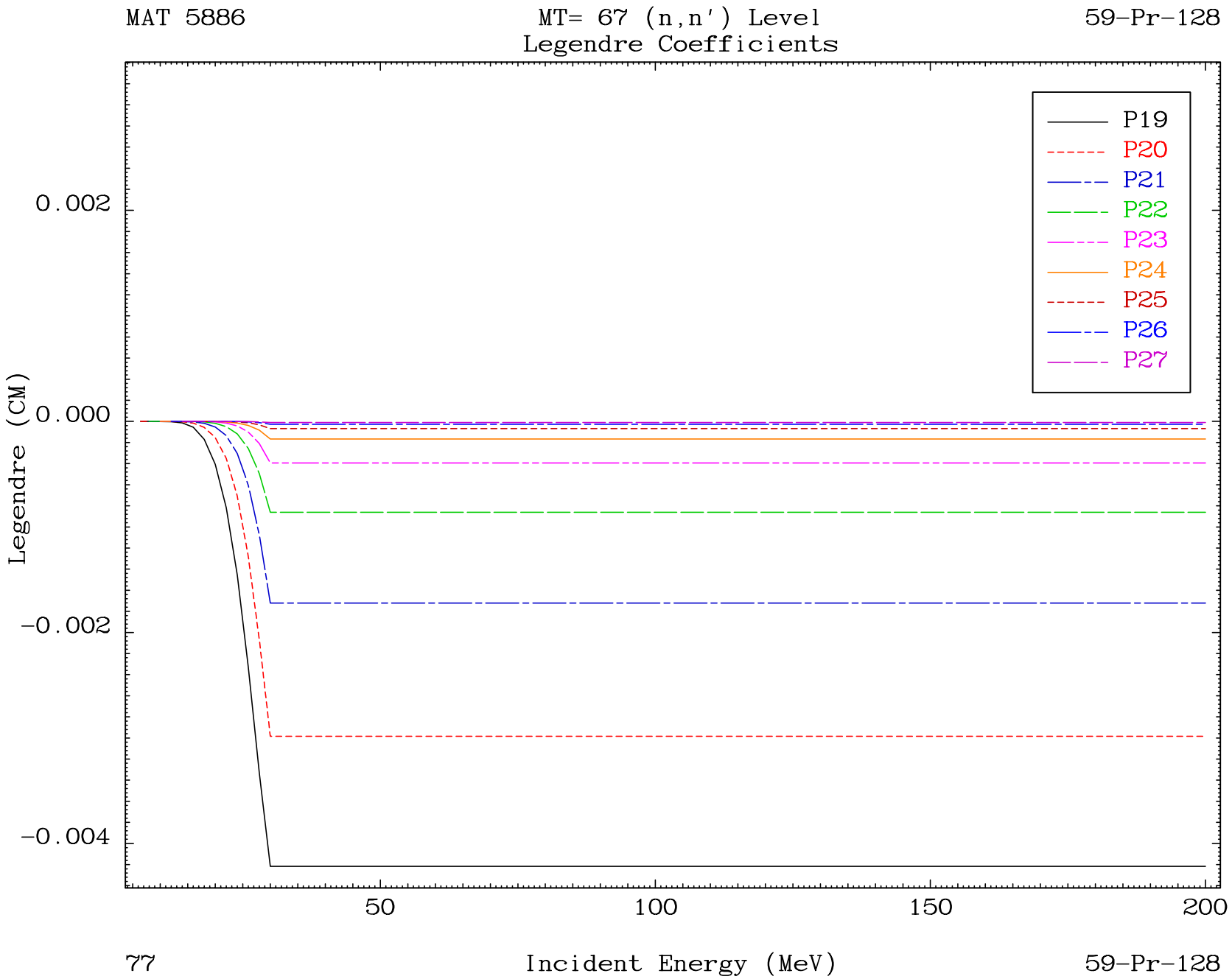

MAT 5886
MT= 66 (n,n') Level
Legendre Coefficients
59-Pr-128
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
72
Incident Energy (MeV)
59-Pr-128
P10
P11
P12
P13
P14
P15
P16
P17
P18

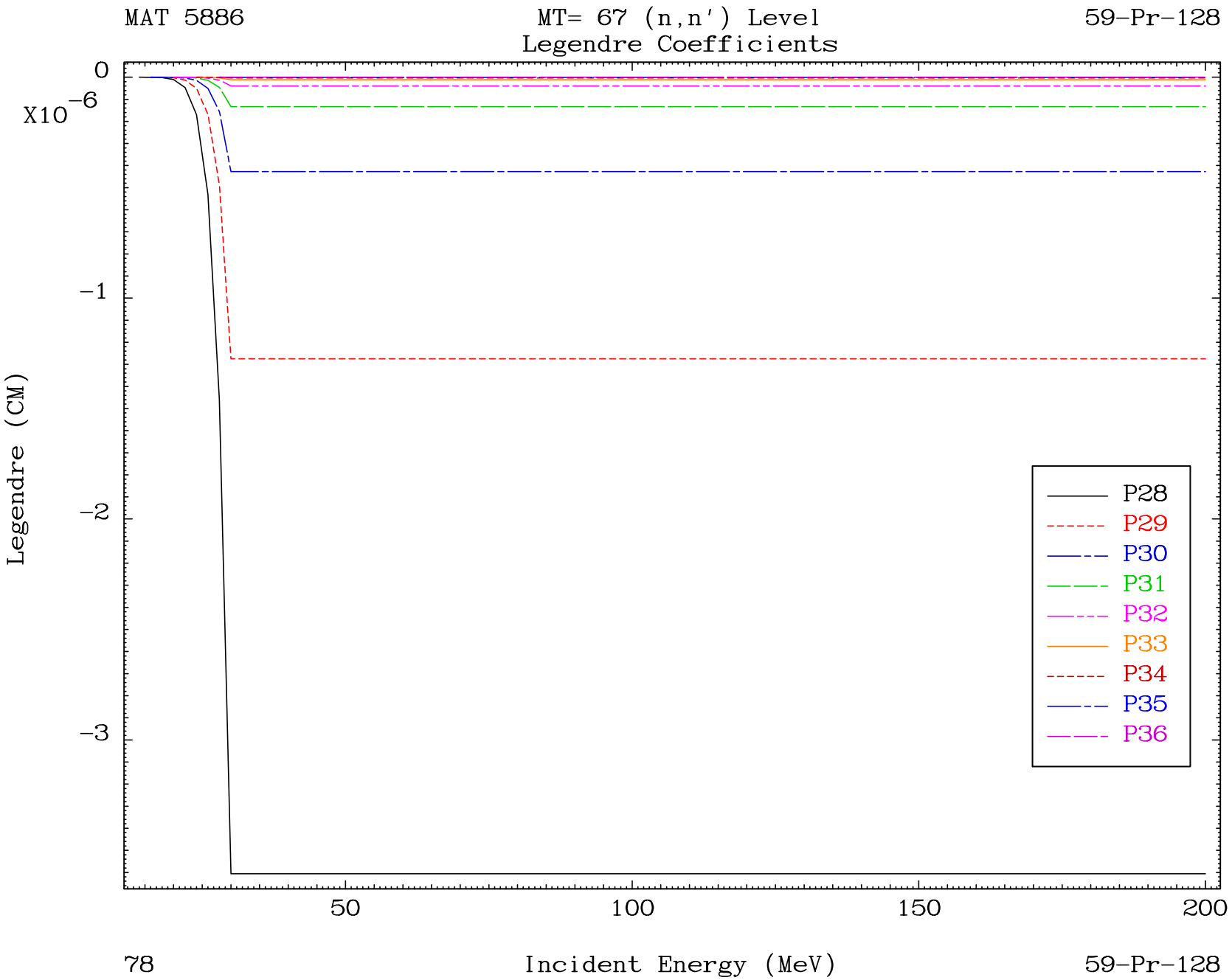

MAT 5886
MT= 66 (n,n') Level
Legendre Coefficients
59-Pr-128
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
59-Pr-128
P19
P20
P21
P22
P23
P24
P25
P26
P27

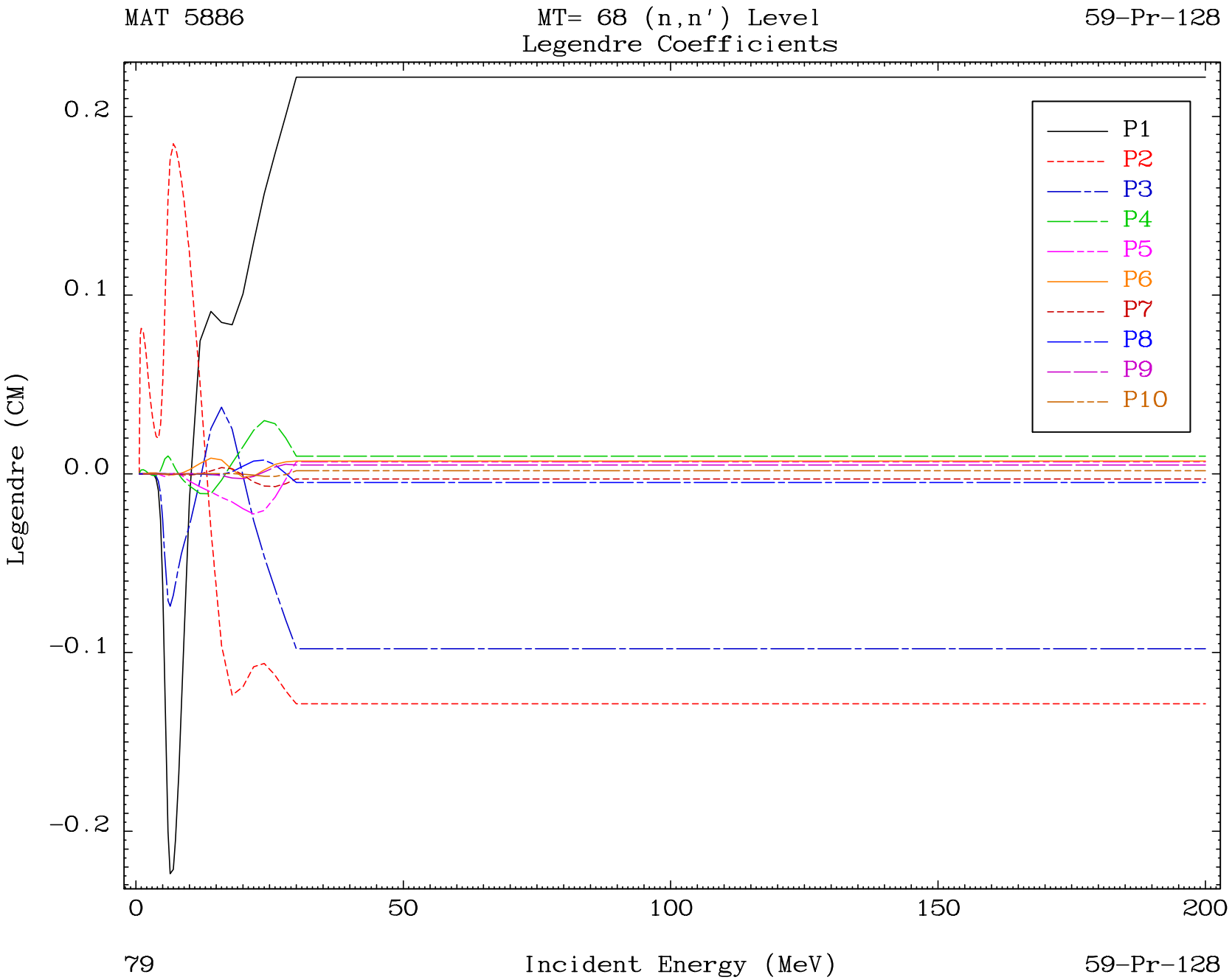

MAT 5886
MT= 66 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-2
-4
-6
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34
P35
P36

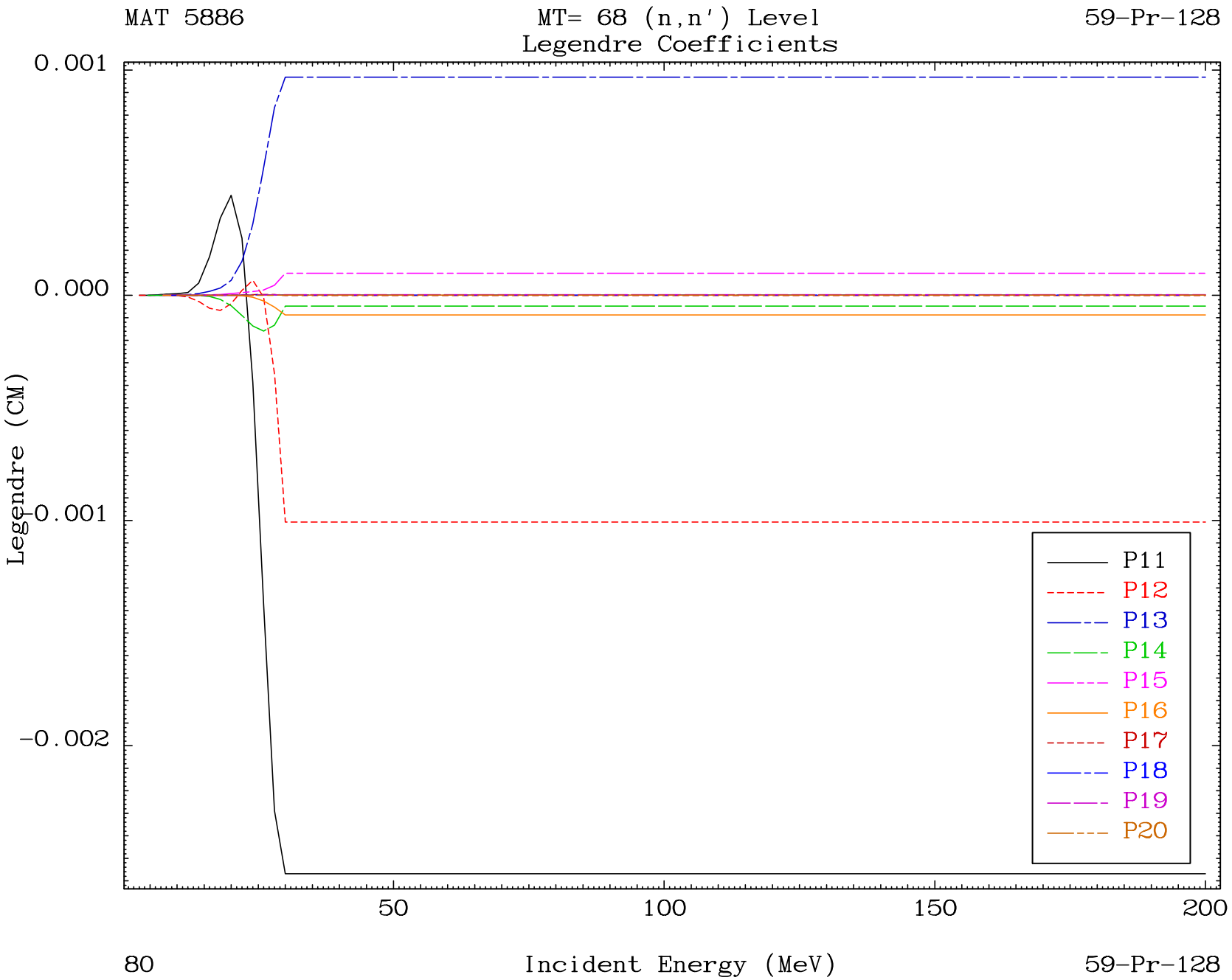

MAT 5886
MT= 67 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
75
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

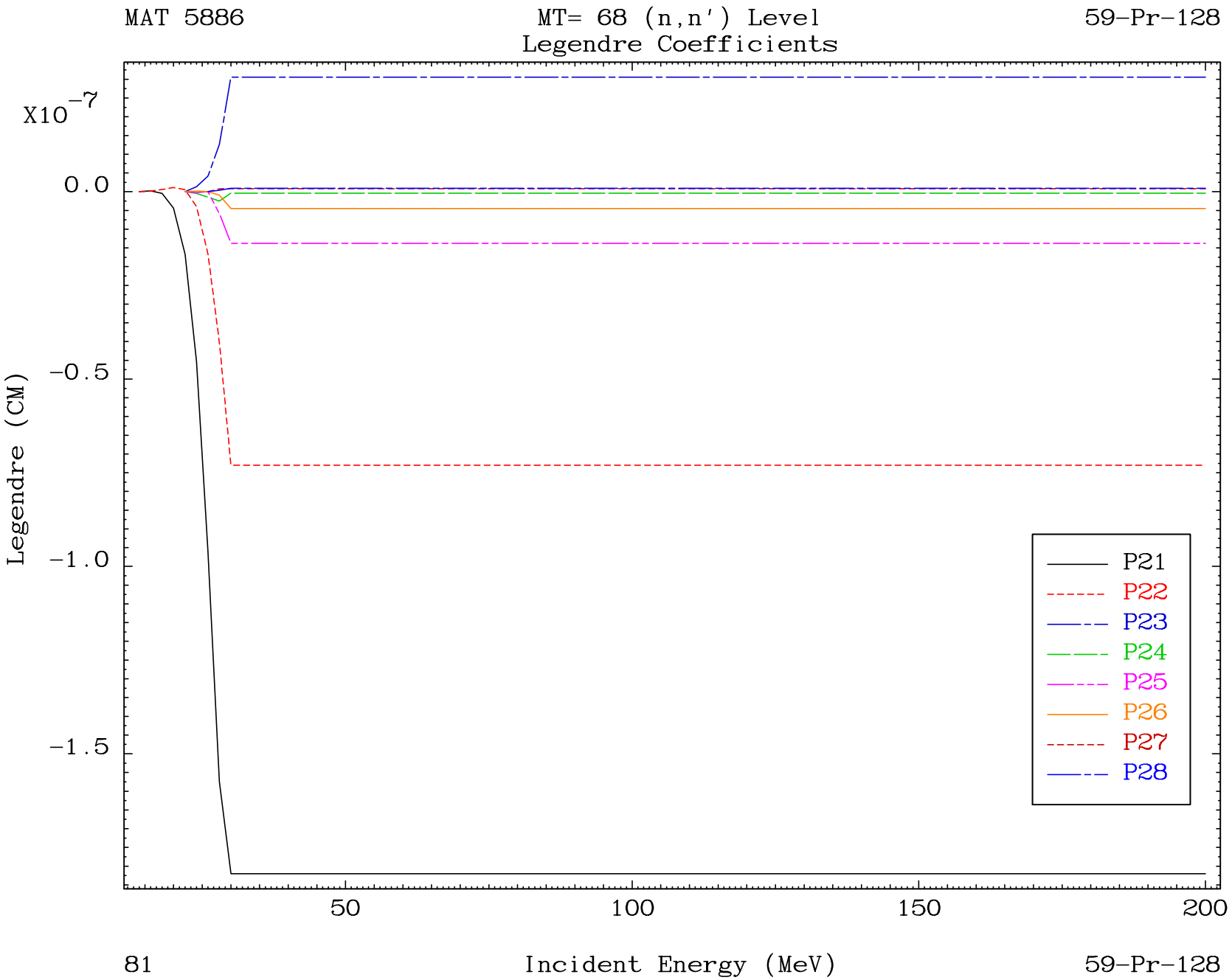

MAT 5886
MT= 67 (n,n') Level
Legendre Coefficients
59-Pr-128
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
76
Incident Energy (MeV)
59-Pr-128

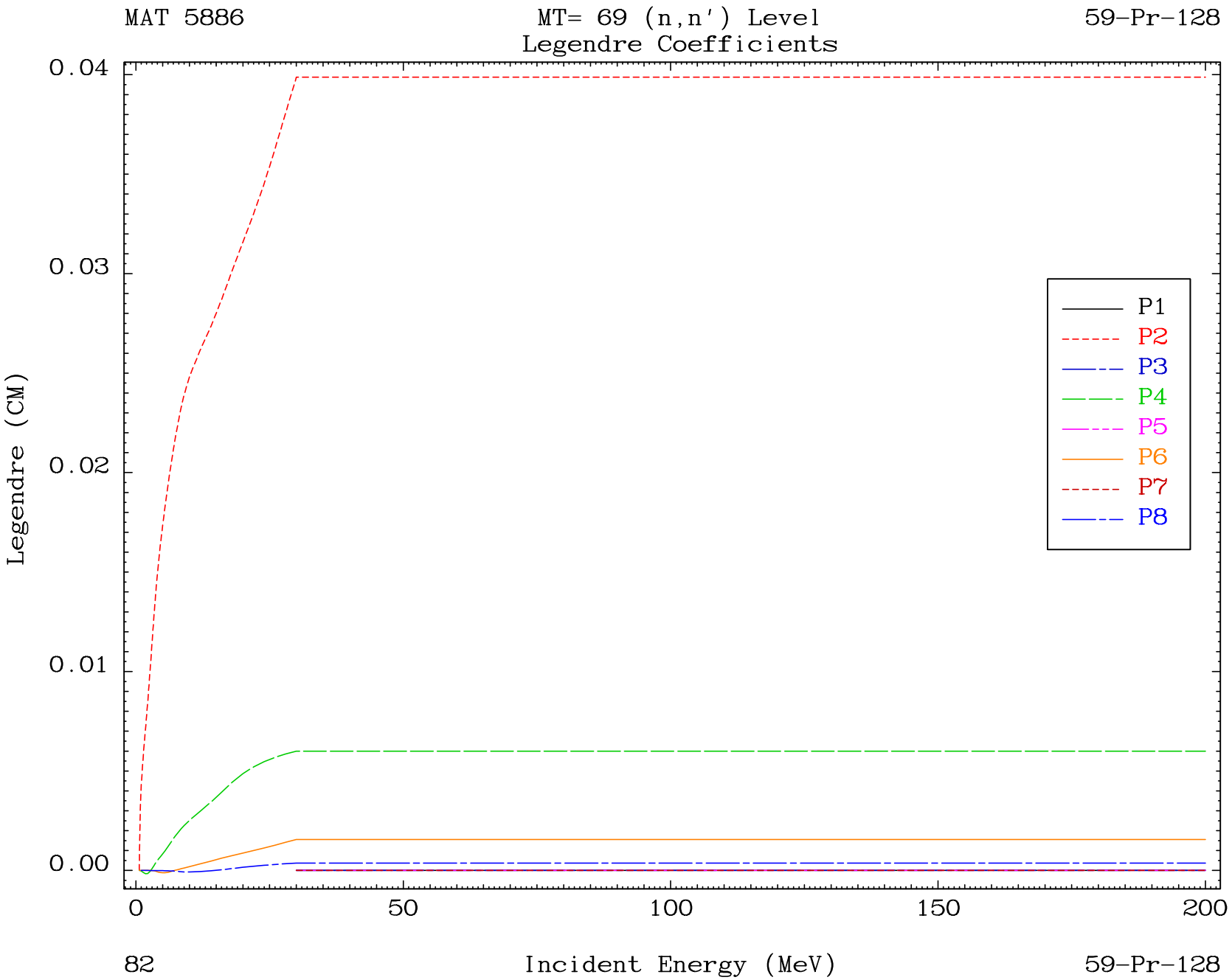

MAT 5886
MT= 67 (n,n') Level
Legendre Coefficients
59-Pr-128
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
59-Pr-128

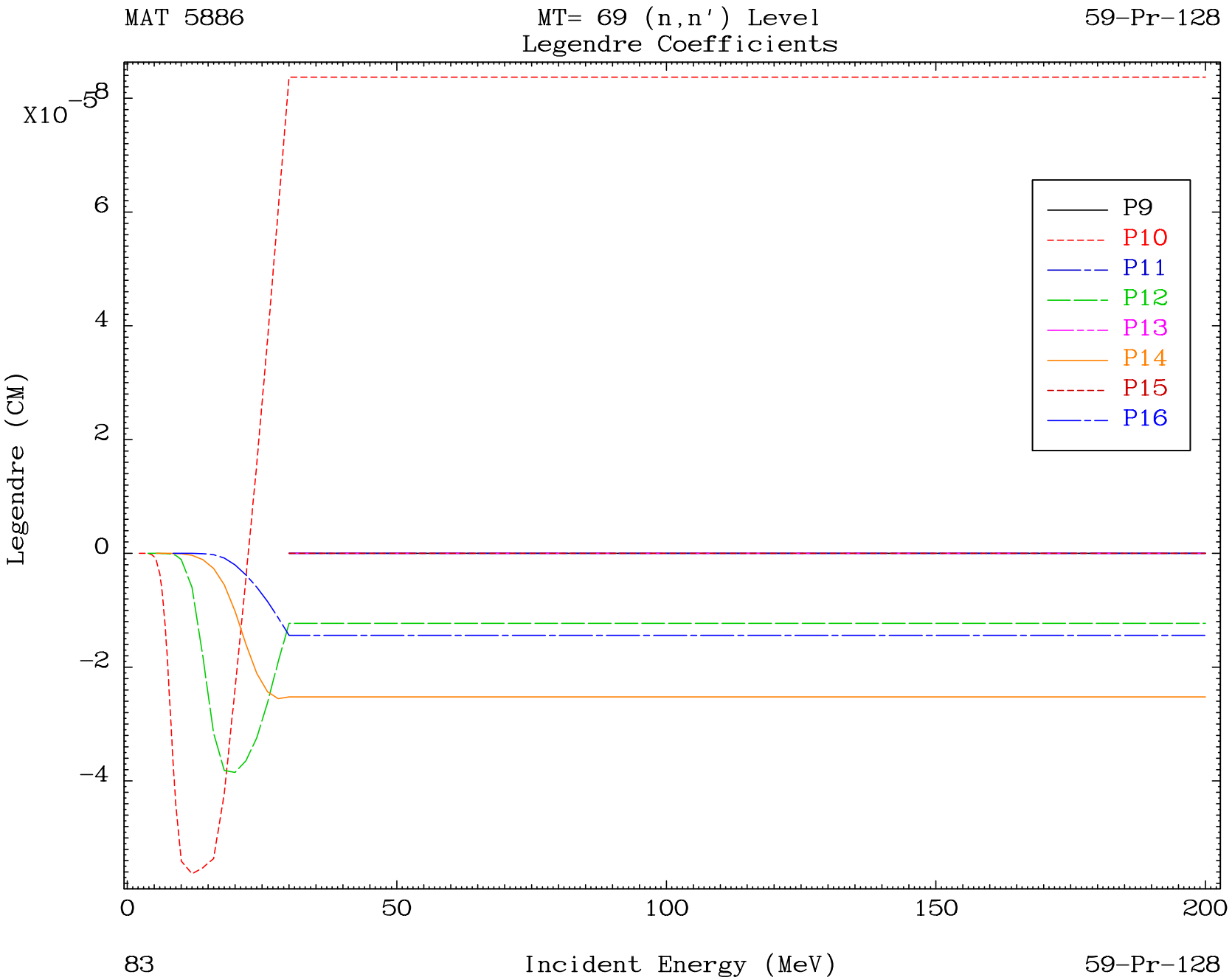

MAT 5886
MT= 67 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10 −6
−1
−2
−3
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34
P35
P36

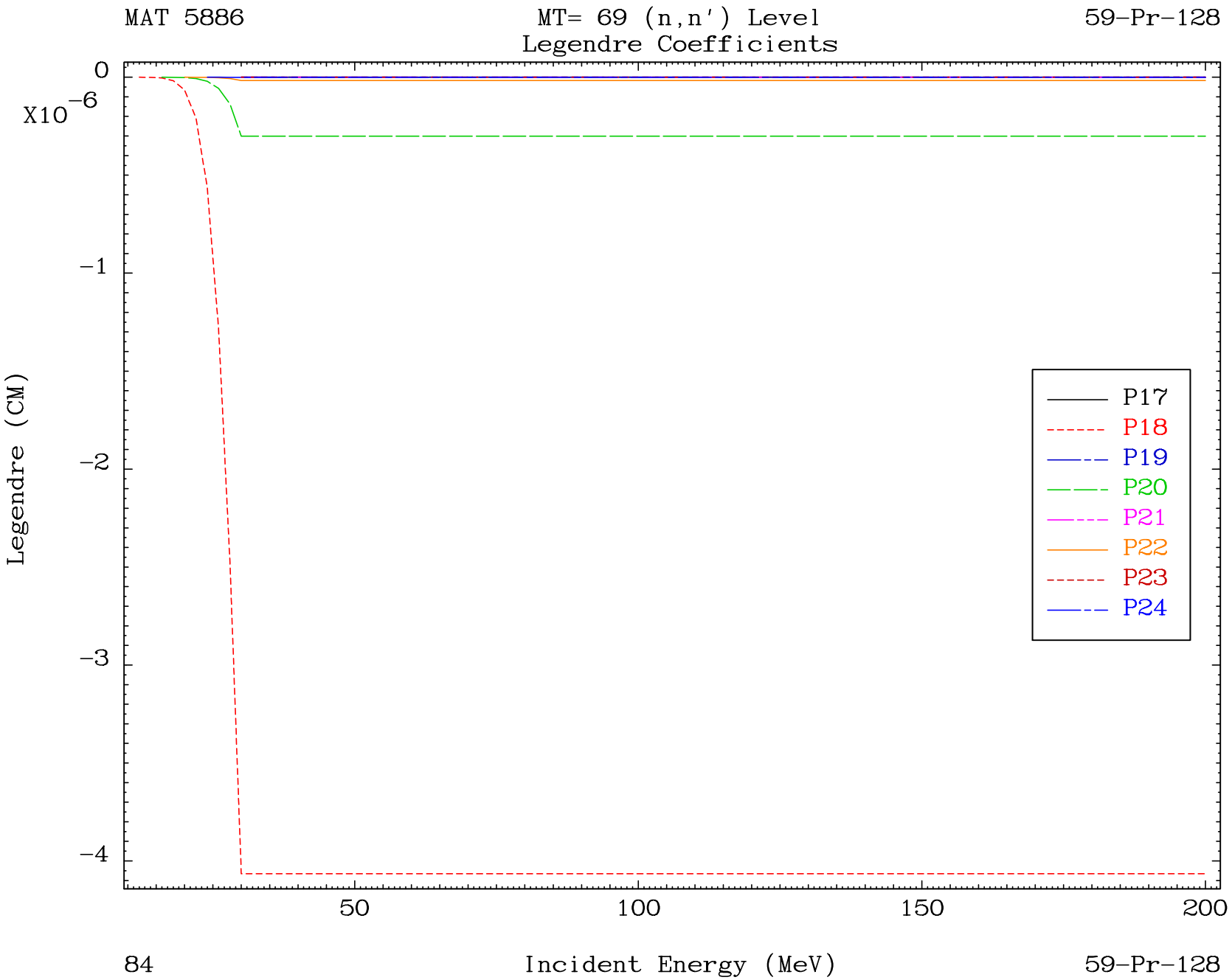

MAT 5886
MT= 68 (n,n') Level
Legendre Coefficients
59-Pr-128
0.2
0.1
0.0
−0.1
−0.2
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
79
Incident Energy (MeV)
59-Pr-128

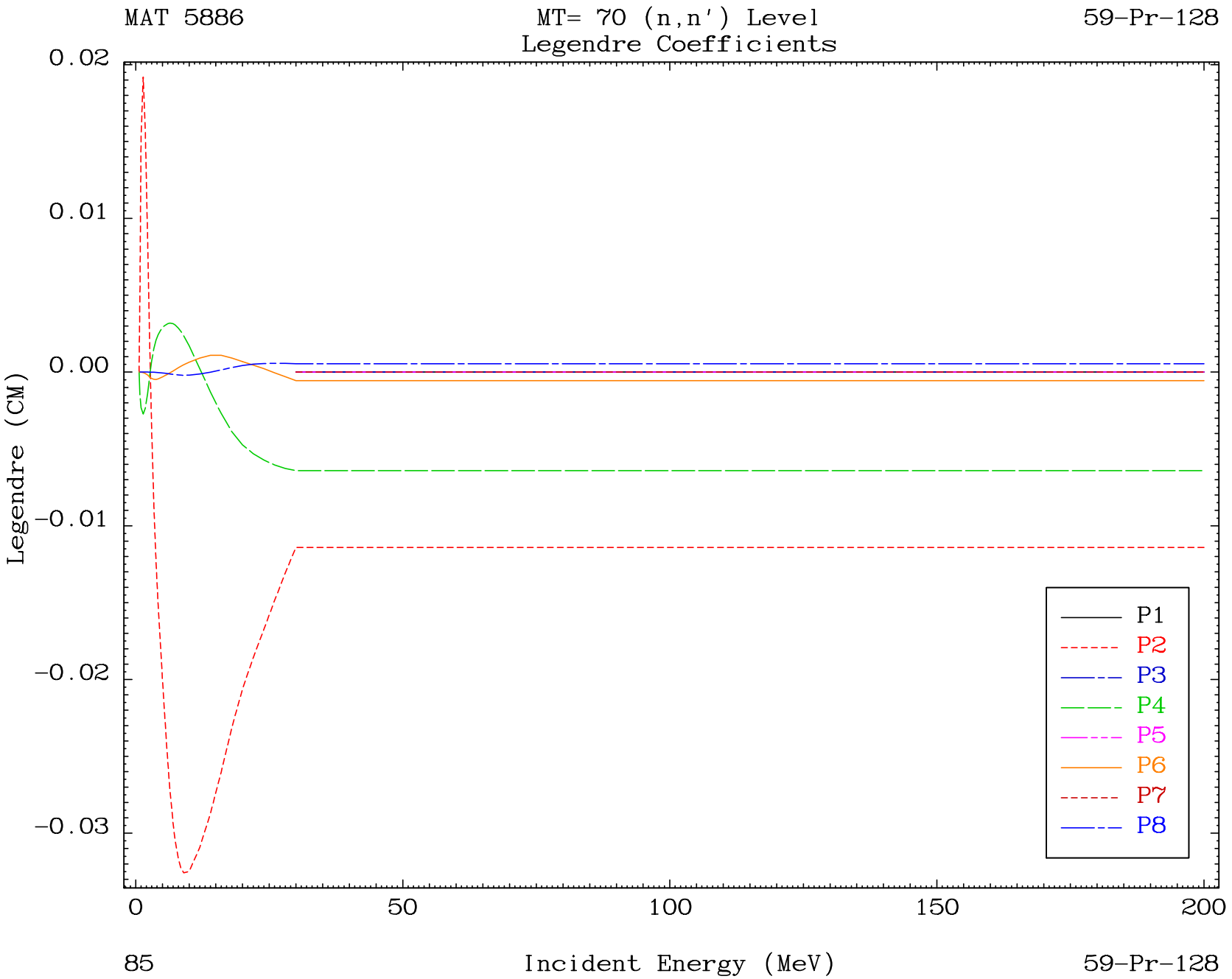

MAT 5886
MT= 68 (n,n') Level
Legendre Coefficients
59-Pr-128
0.001
0.000
-0.001
-0.002
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
59-Pr-128
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

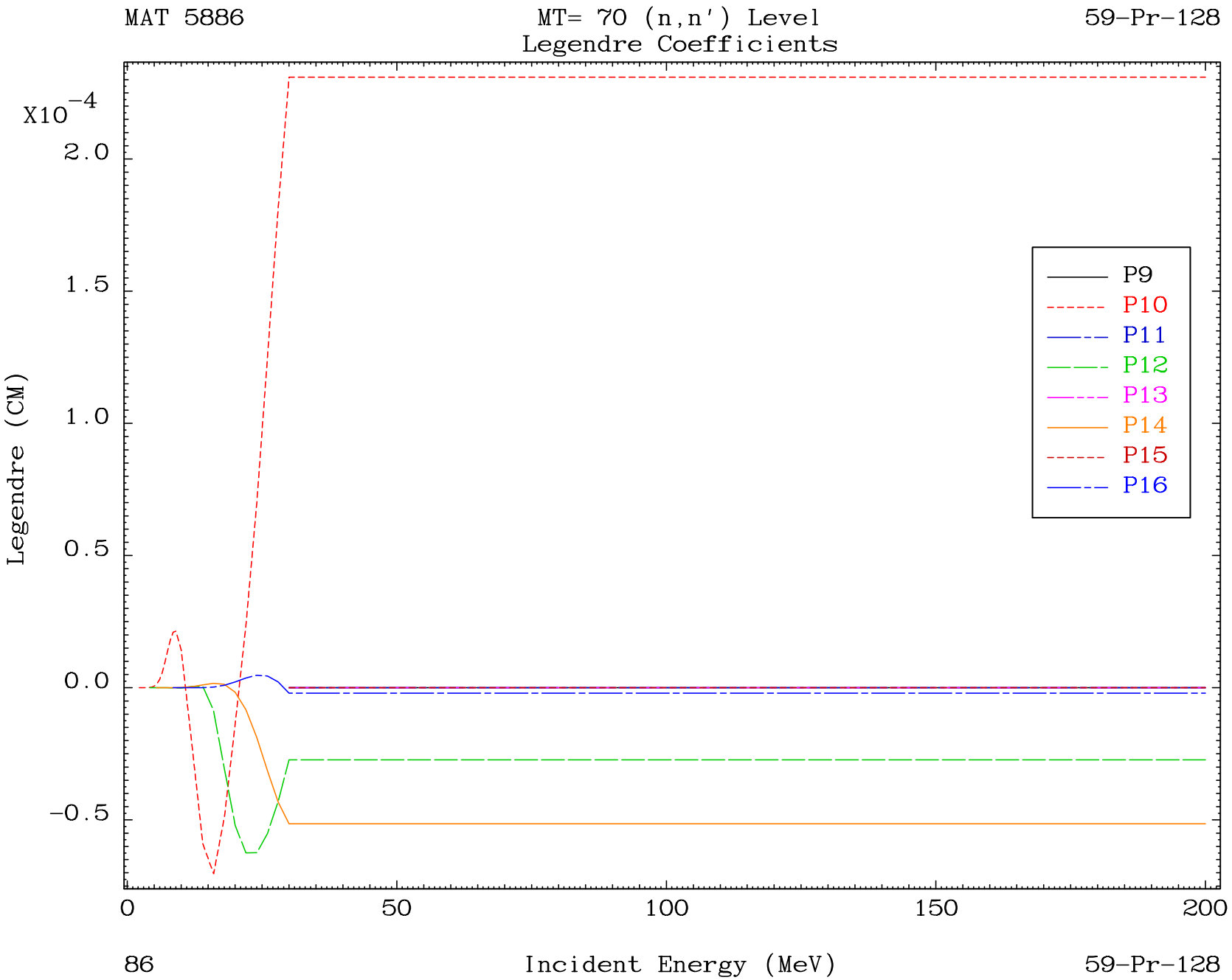

MAT 5886
MT= 68 (n,n') Level
Legendre Coefficients
59-Pr-128
X10-7
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
59-Pr-128
P21
P22
P23
P24
P25
P26
P27
P28

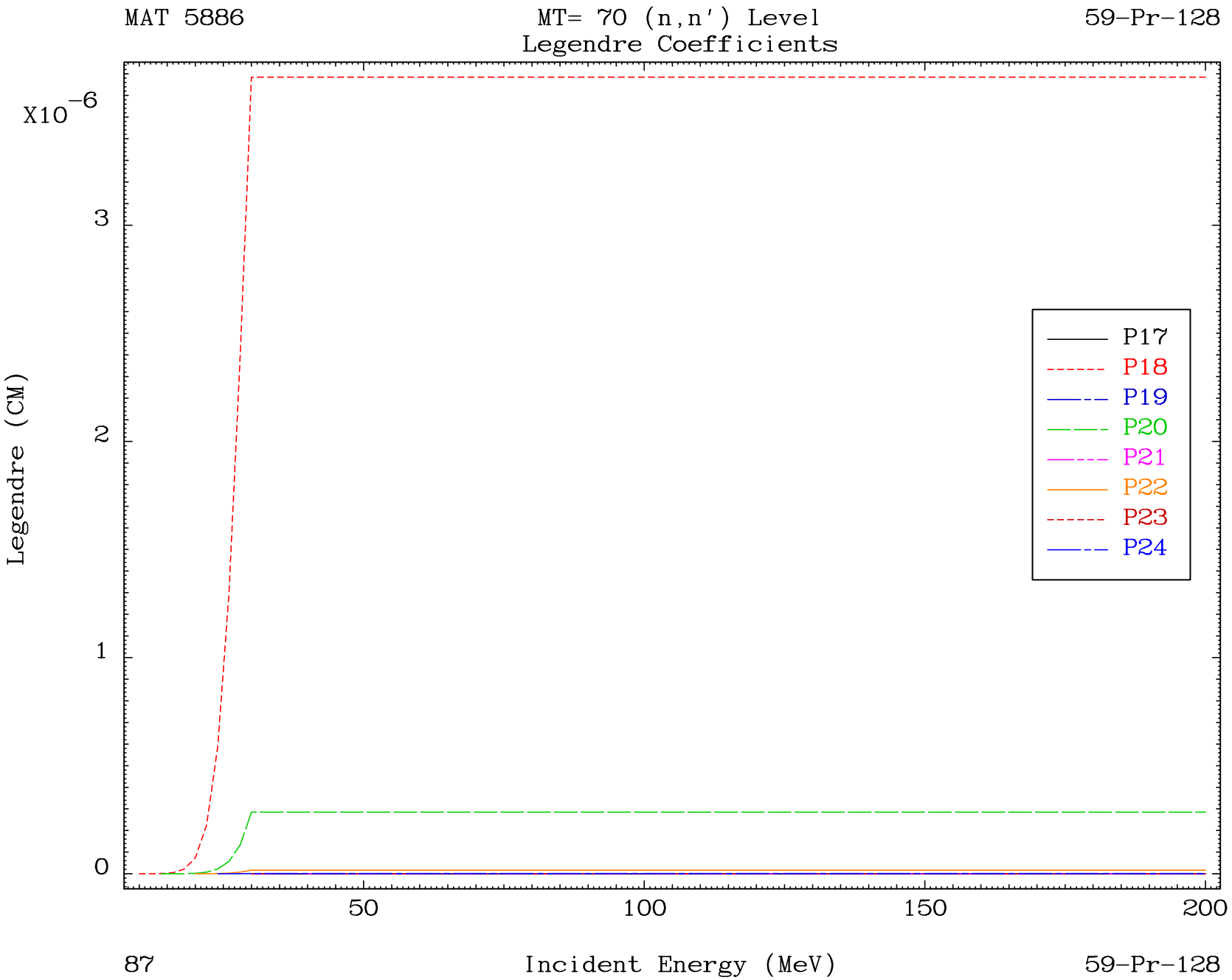

MAT 5886
MT= 69 (n,n') Level
Legendre Coefficients
59-Pr-128
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
82
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

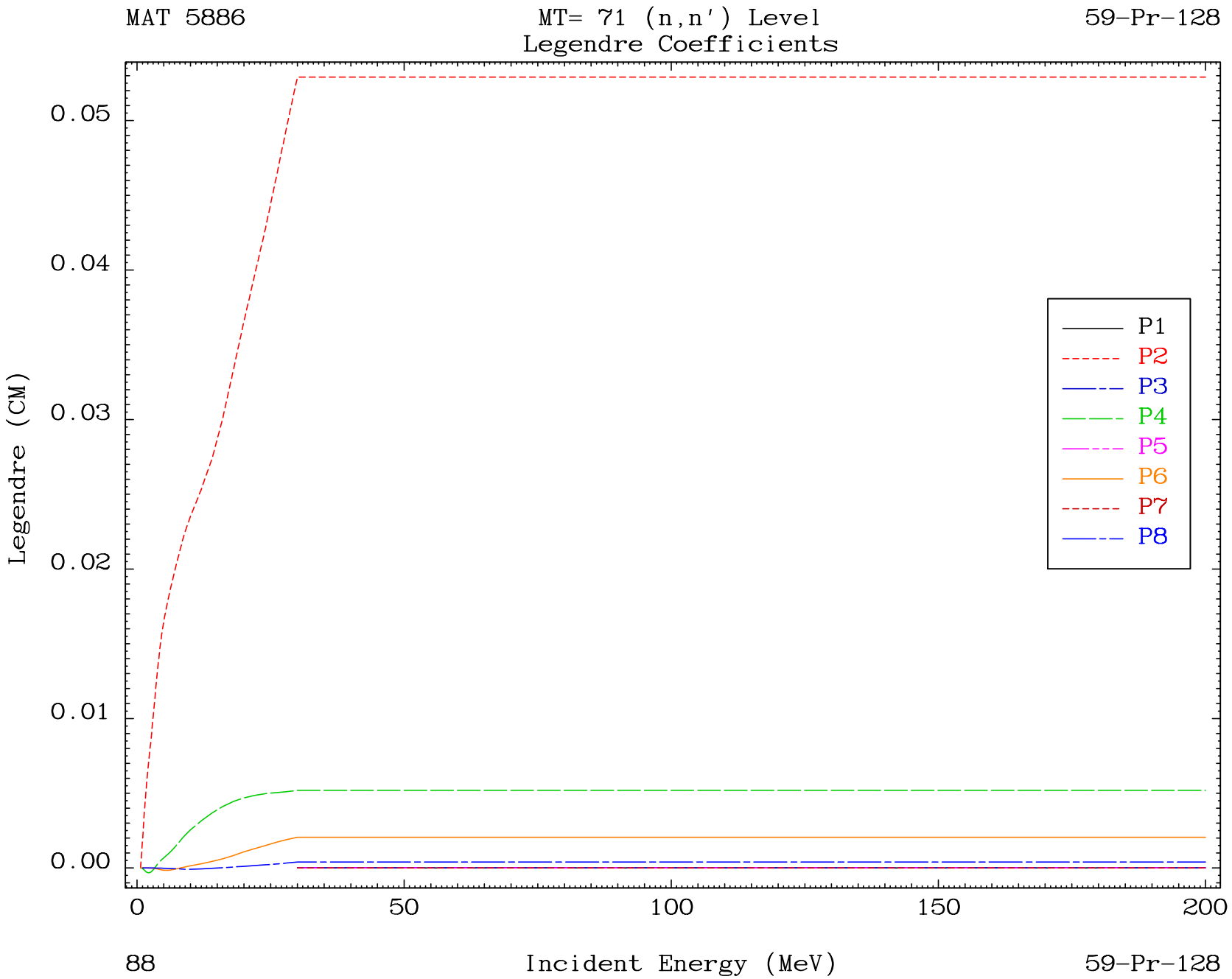

MAT 5886
MT= 69 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
8
6
4
2
0
-2
-4
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
83
Incident Energy (MeV)
59-Pr-128

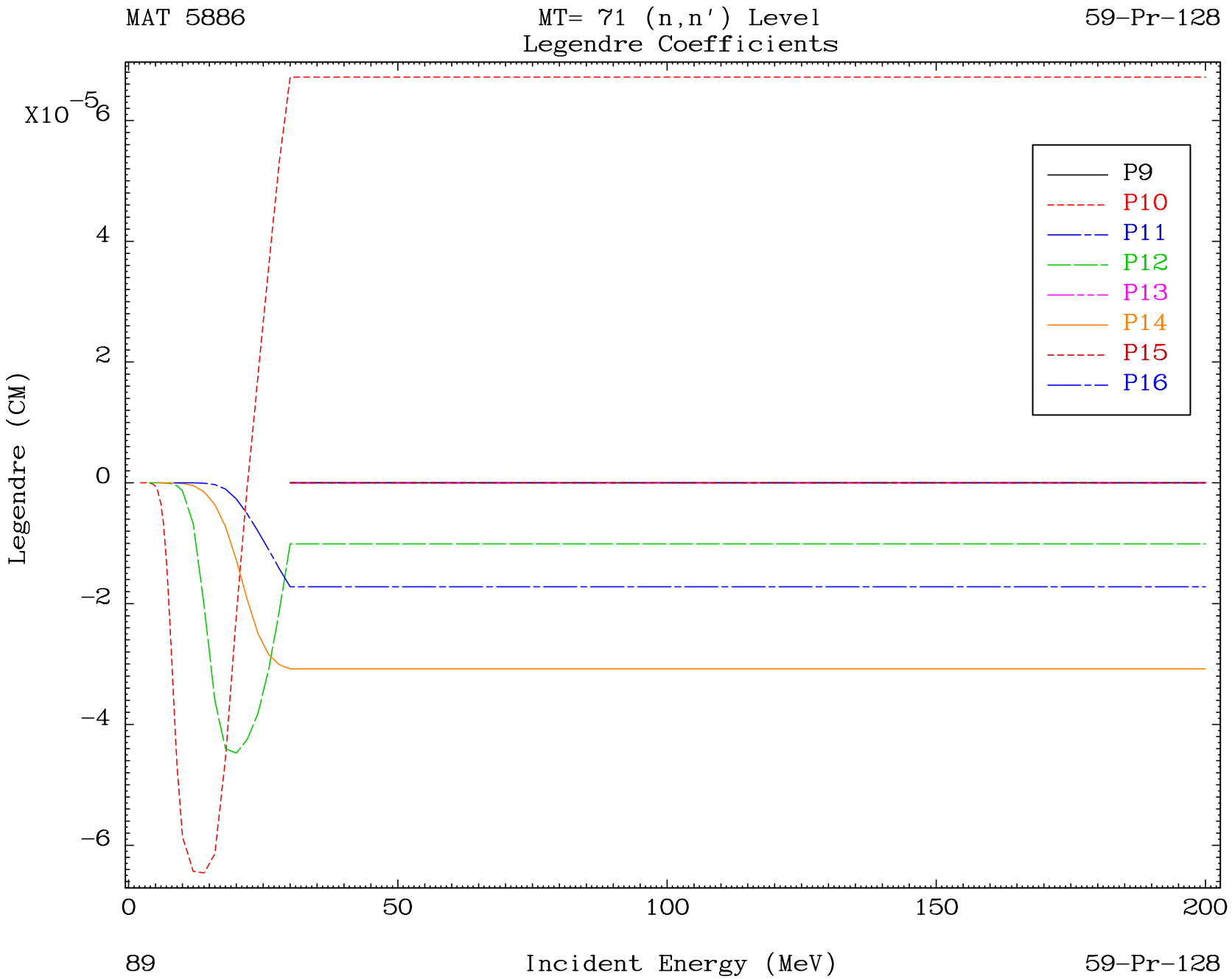

MAT 5886
MT= 69 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
84
Incident Energy (MeV)
59-Pr-128

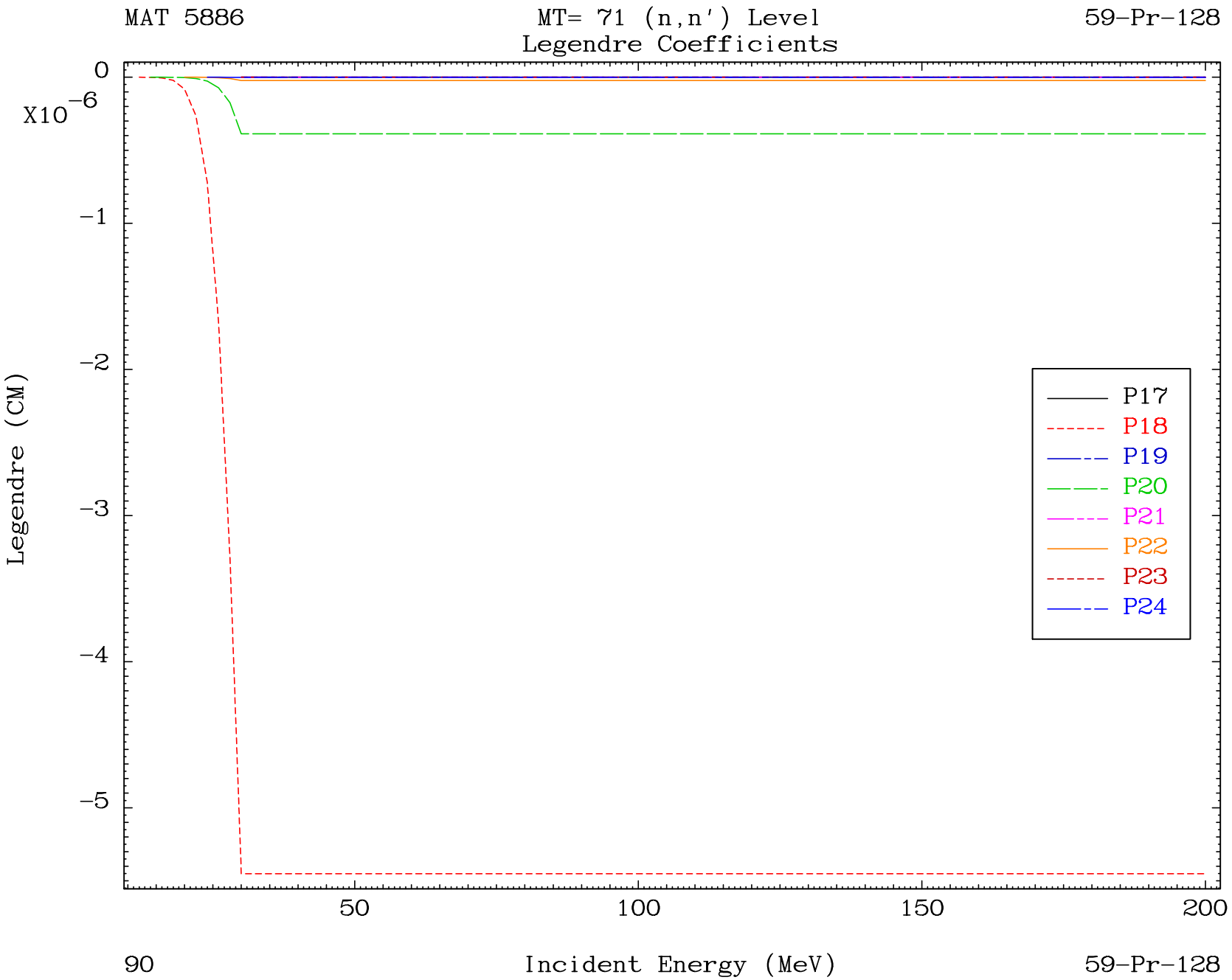

MAT 5886
MT= 70 (n,n') Level
Legendre Coefficients
59-Pr-128
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

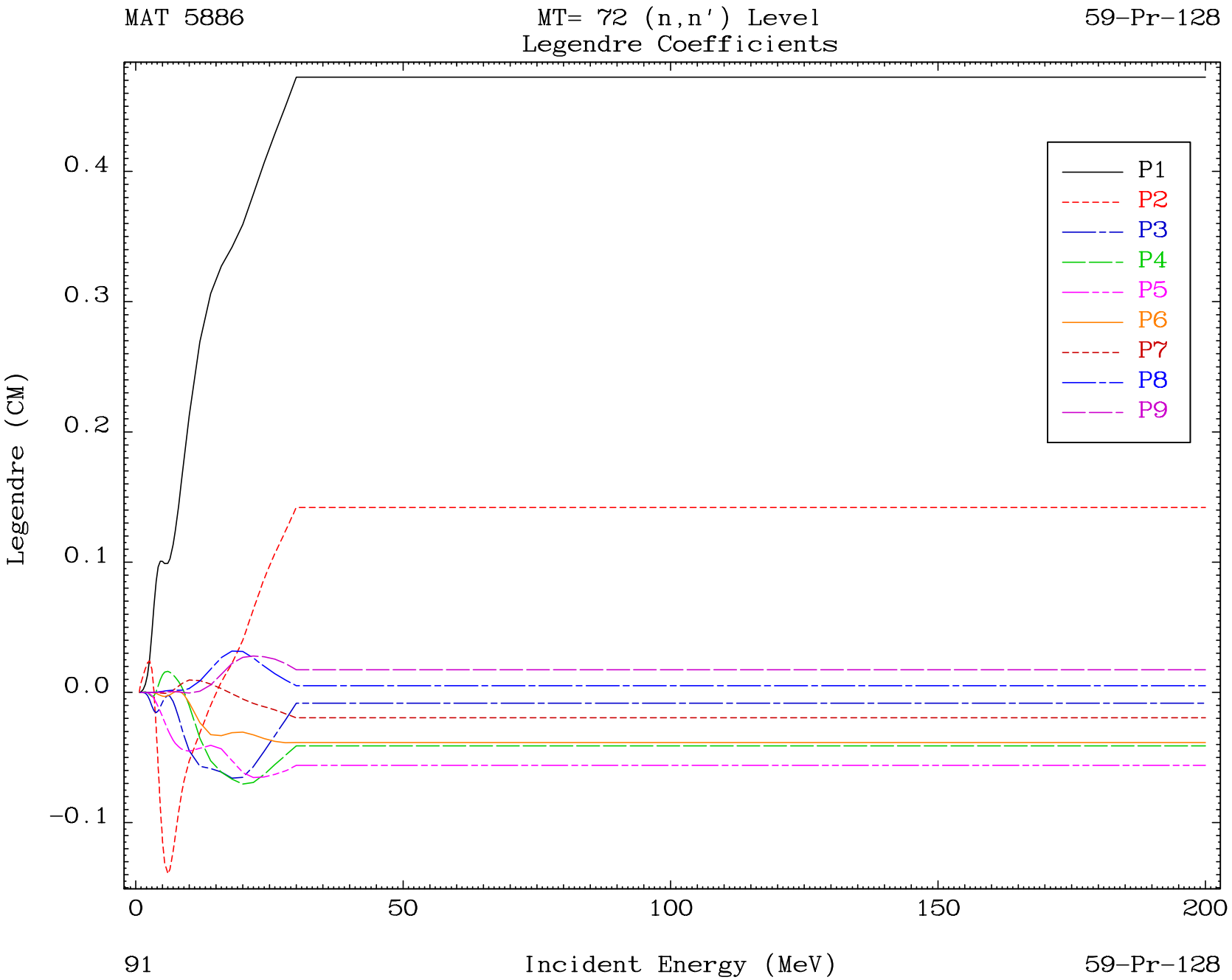

MAT 5886
MT= 70 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
86
Incident Energy (MeV)
59-Pr-128

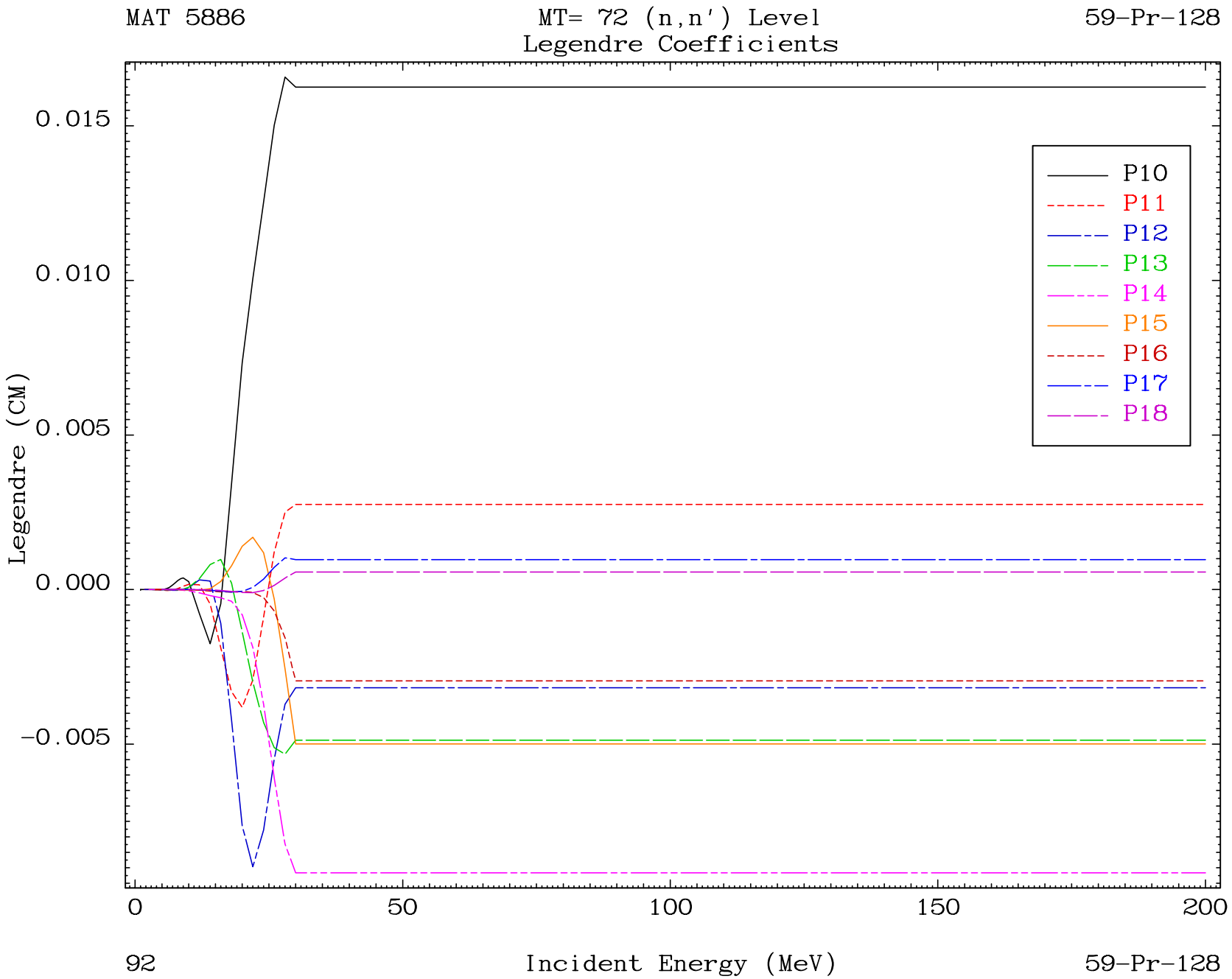

MAT 5886
MT= 70 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-6
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
87
Incident Energy (MeV)
59-Pr-128

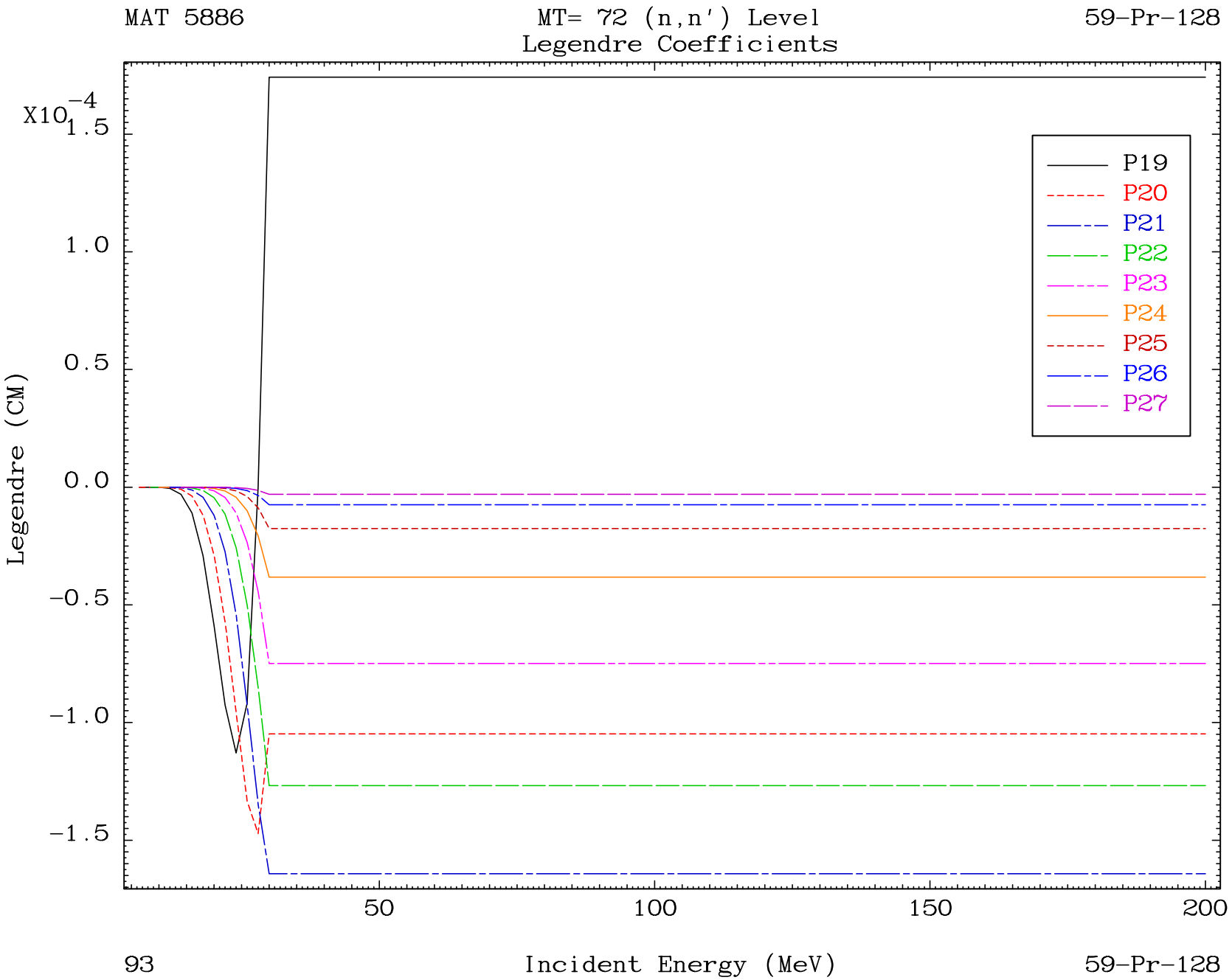

MAT 5886
MT= 71 (n,n') Level
Legendre Coefficients
59-Pr-128
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
88
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

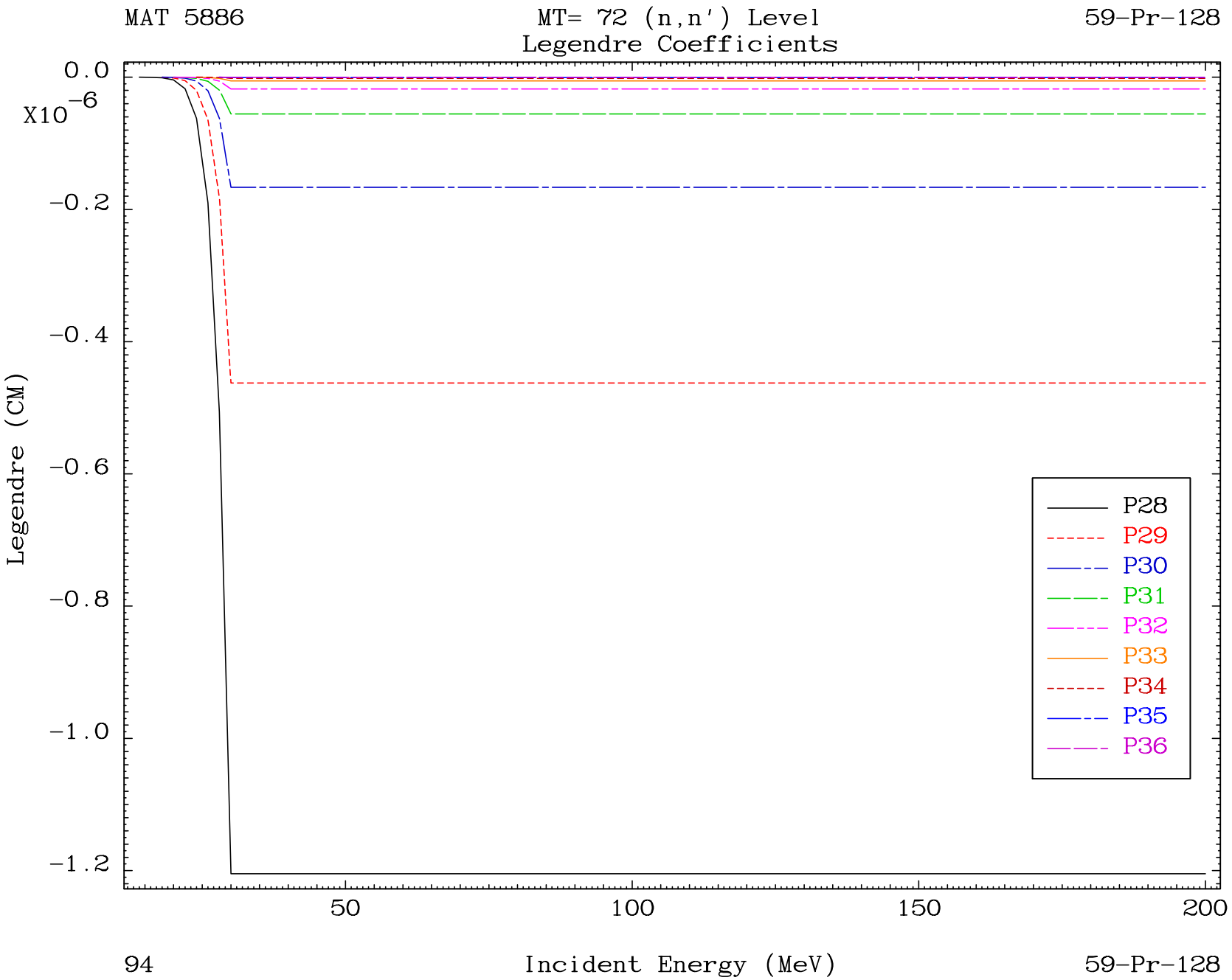

MAT 5886
MT= 71 (n,n') Level
Legendre Coefficients
59-Pr-128
X10 -5
6
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
89
Incident Energy (MeV)
59-Pr-128

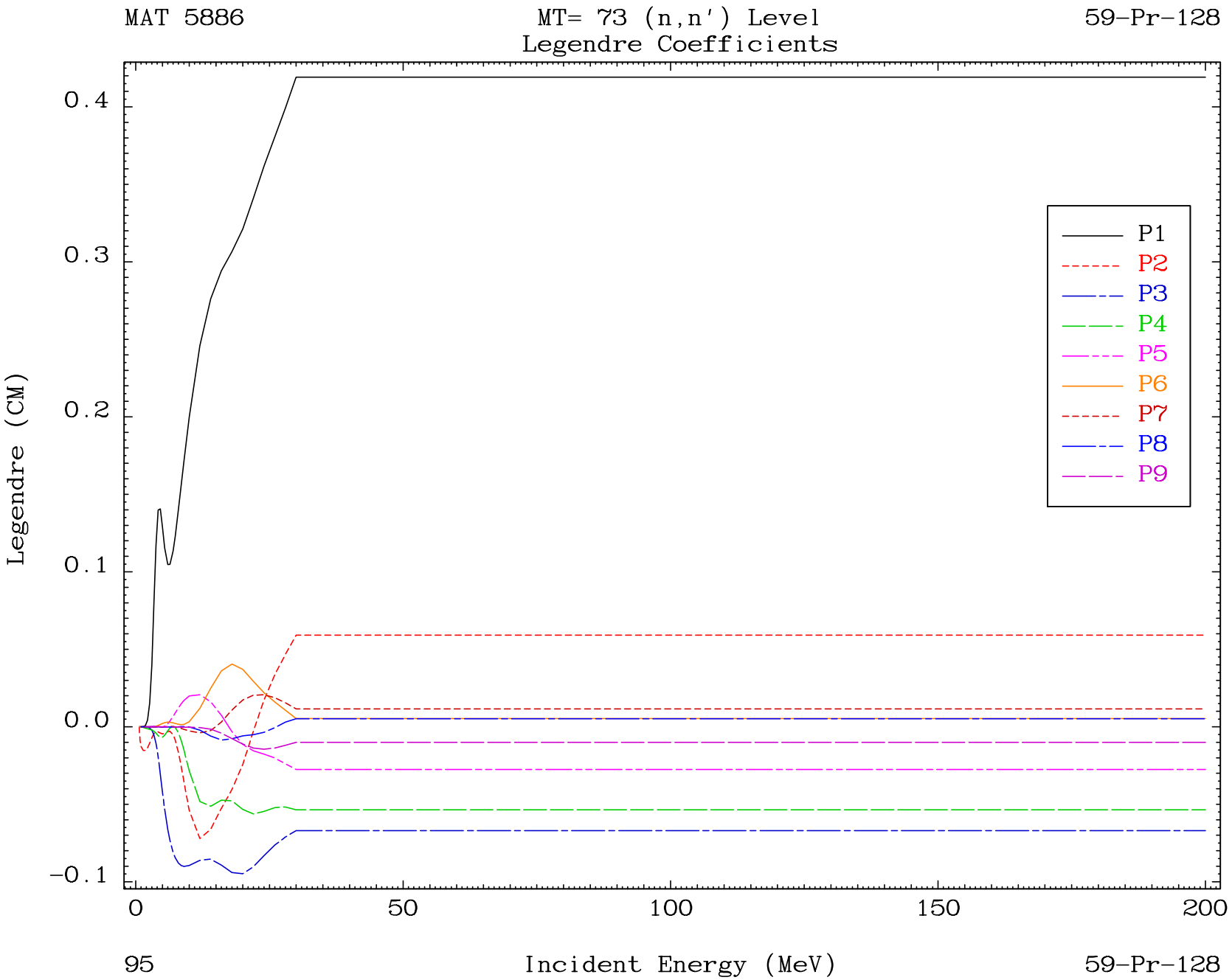

MAT 5886
MT= 71 (n,n') Level
Legendre Coefficients
59-Pr-128
0
X10^-6
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
90
Incident Energy (MeV)
59-Pr-128
P17
P18
P19
P20
P21
P22
P23
P24

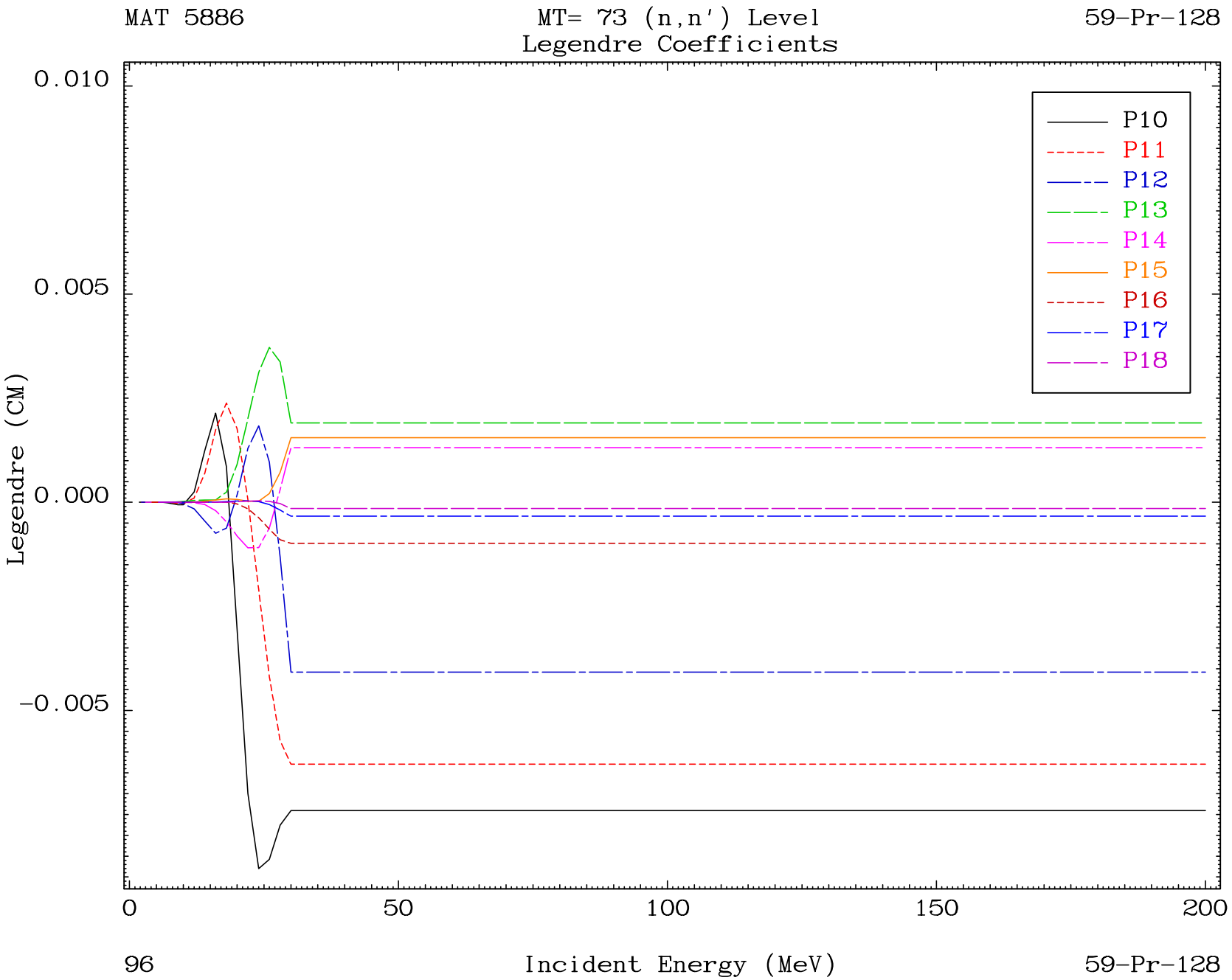

MAT 5886
MT= 72 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
91
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

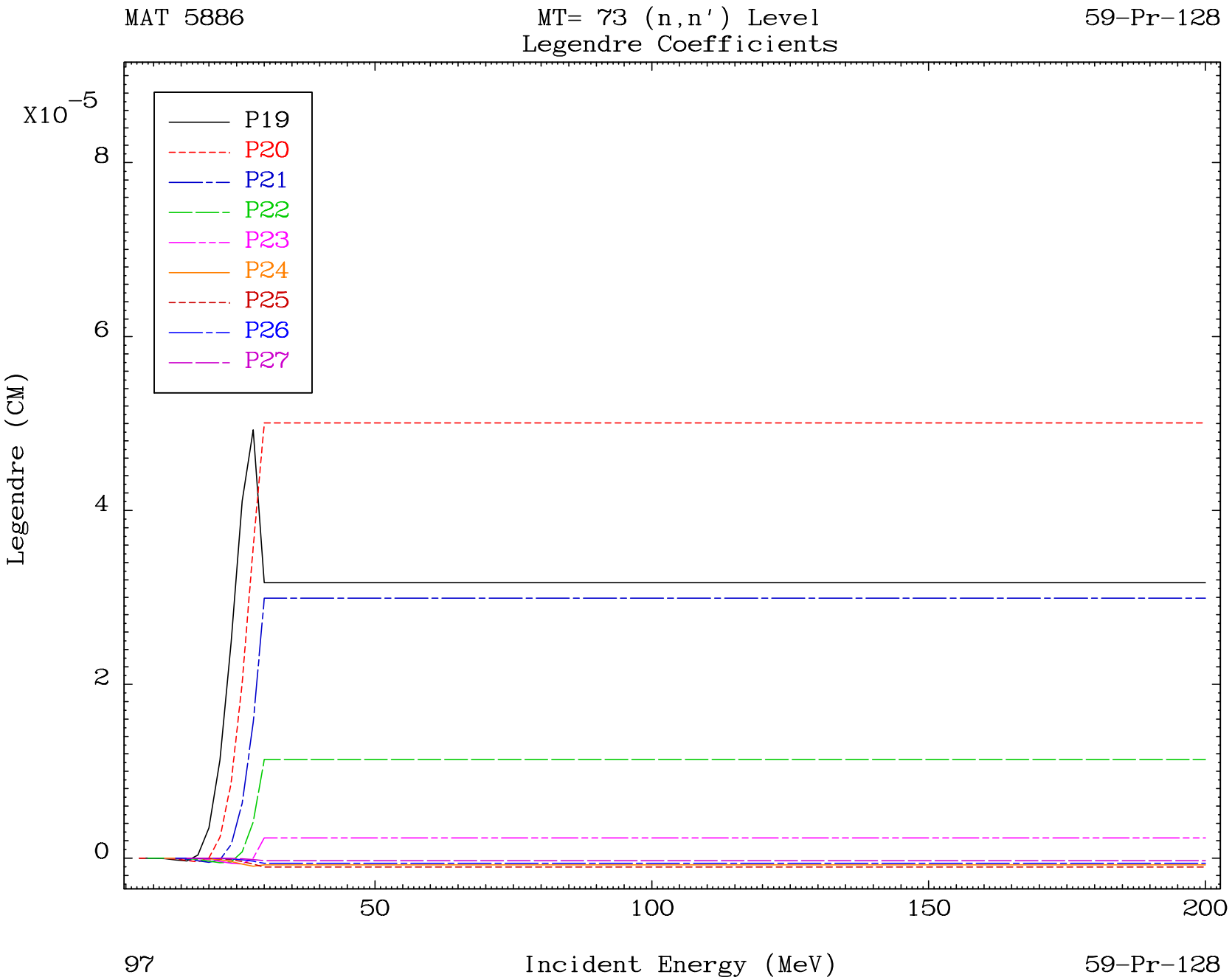

MAT 5886
MT= 72 (n,n') Level
Legendre Coefficients
59-Pr-128
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
92
Incident Energy (MeV)
59-Pr-128

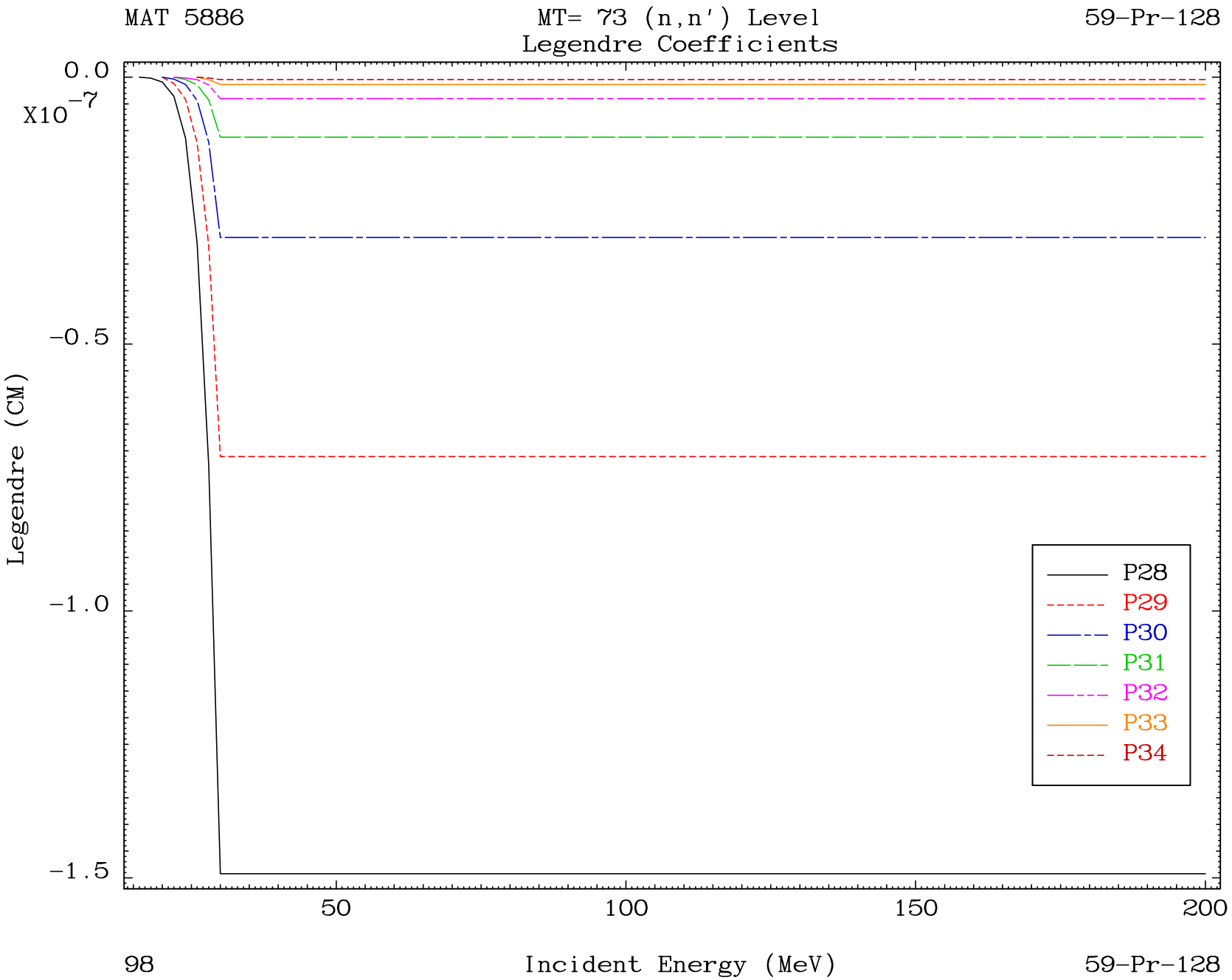

MAT 5886
MT= 72 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
93
Incident Energy (MeV)
59-Pr-128

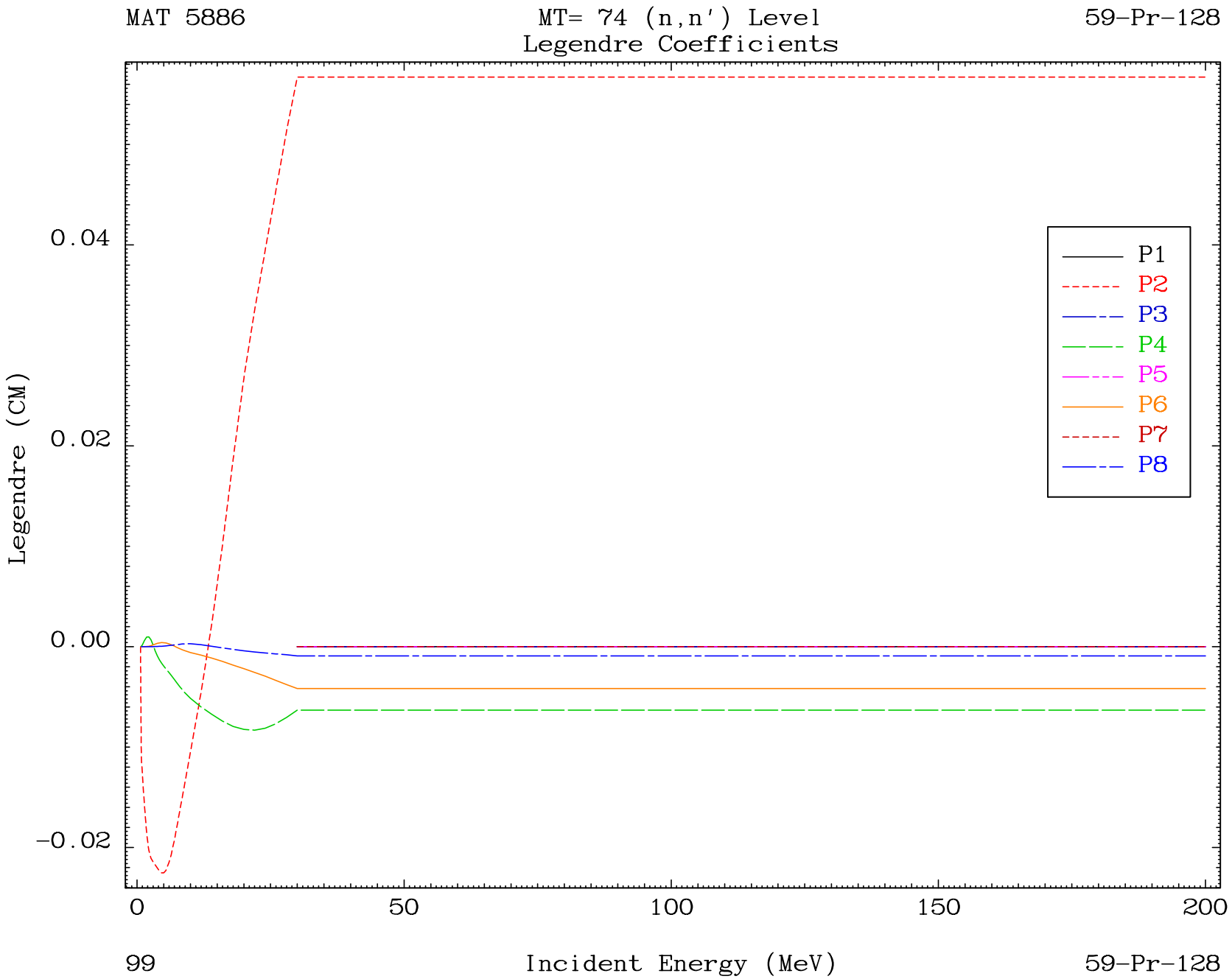

MAT 5886
MT= 72 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
94
Incident Energy (MeV)
59-Pr-128

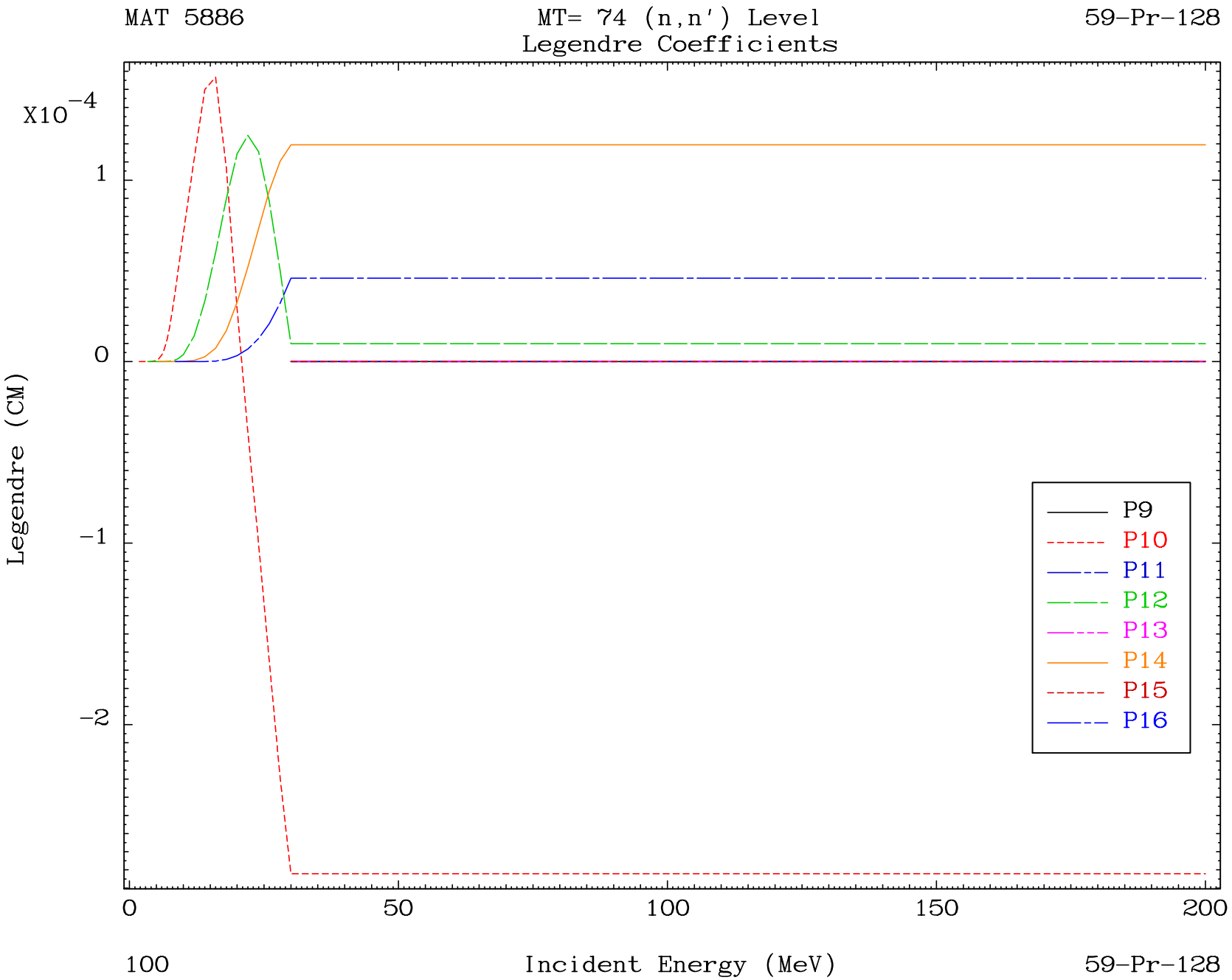

MAT 5886
MT= 73 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
95
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8
P9

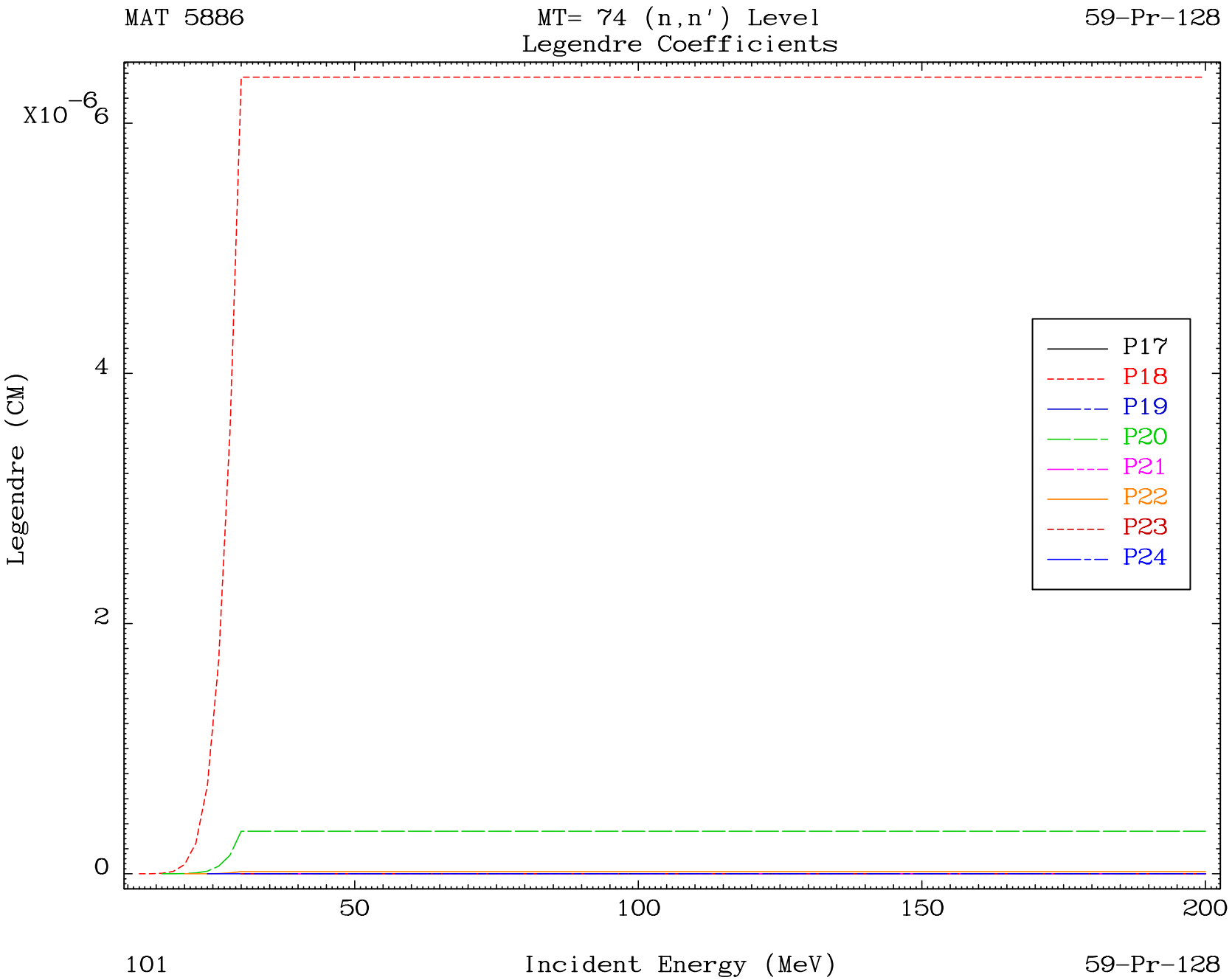

MAT 5886
MT= 73 (n,n') Level
Legendre Coefficients
59-Pr-128
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
96
Incident Energy (MeV)
59-Pr-128

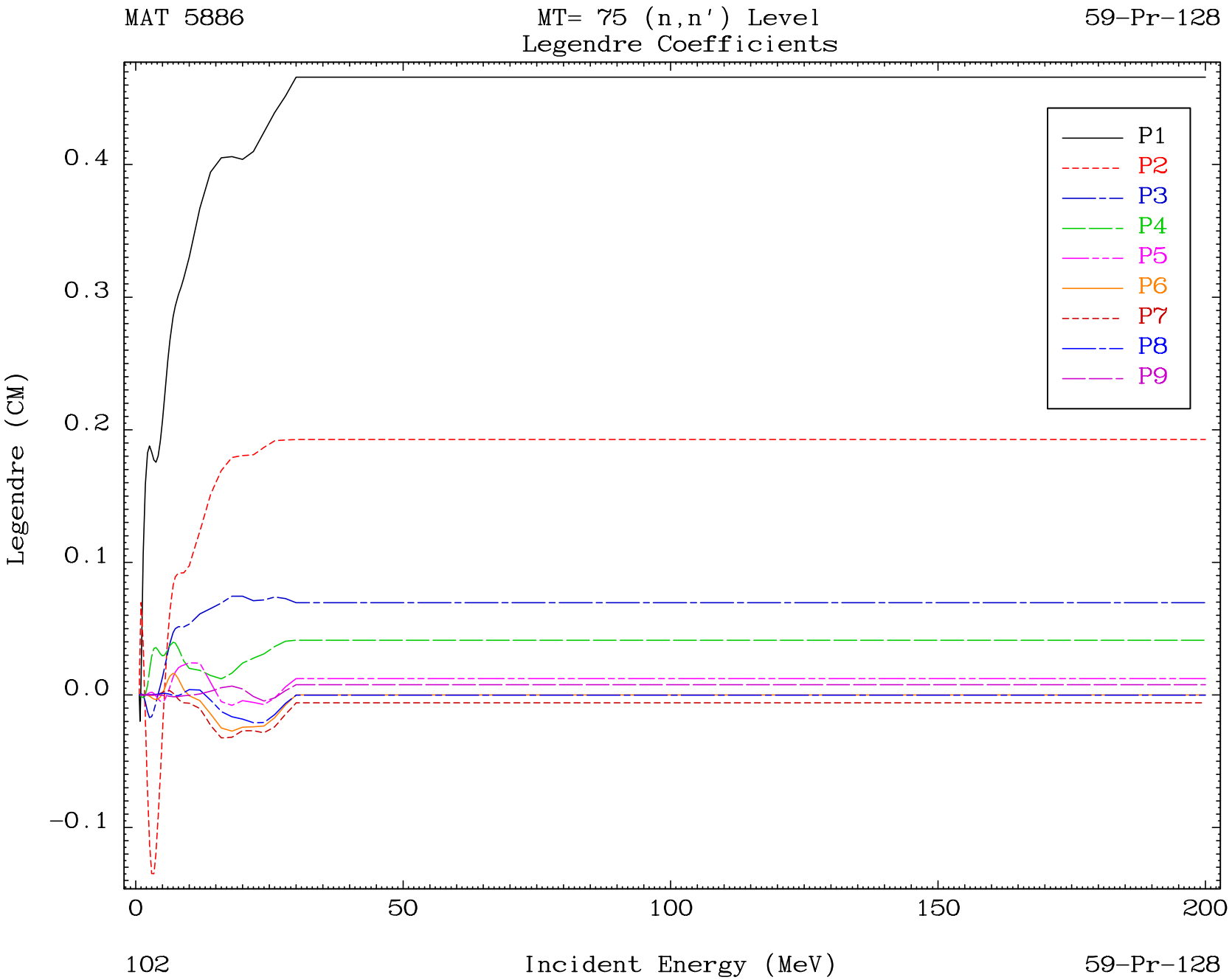

MAT 5886
MT= 73 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-5
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
97
Incident Energy (MeV)
59-Pr-128

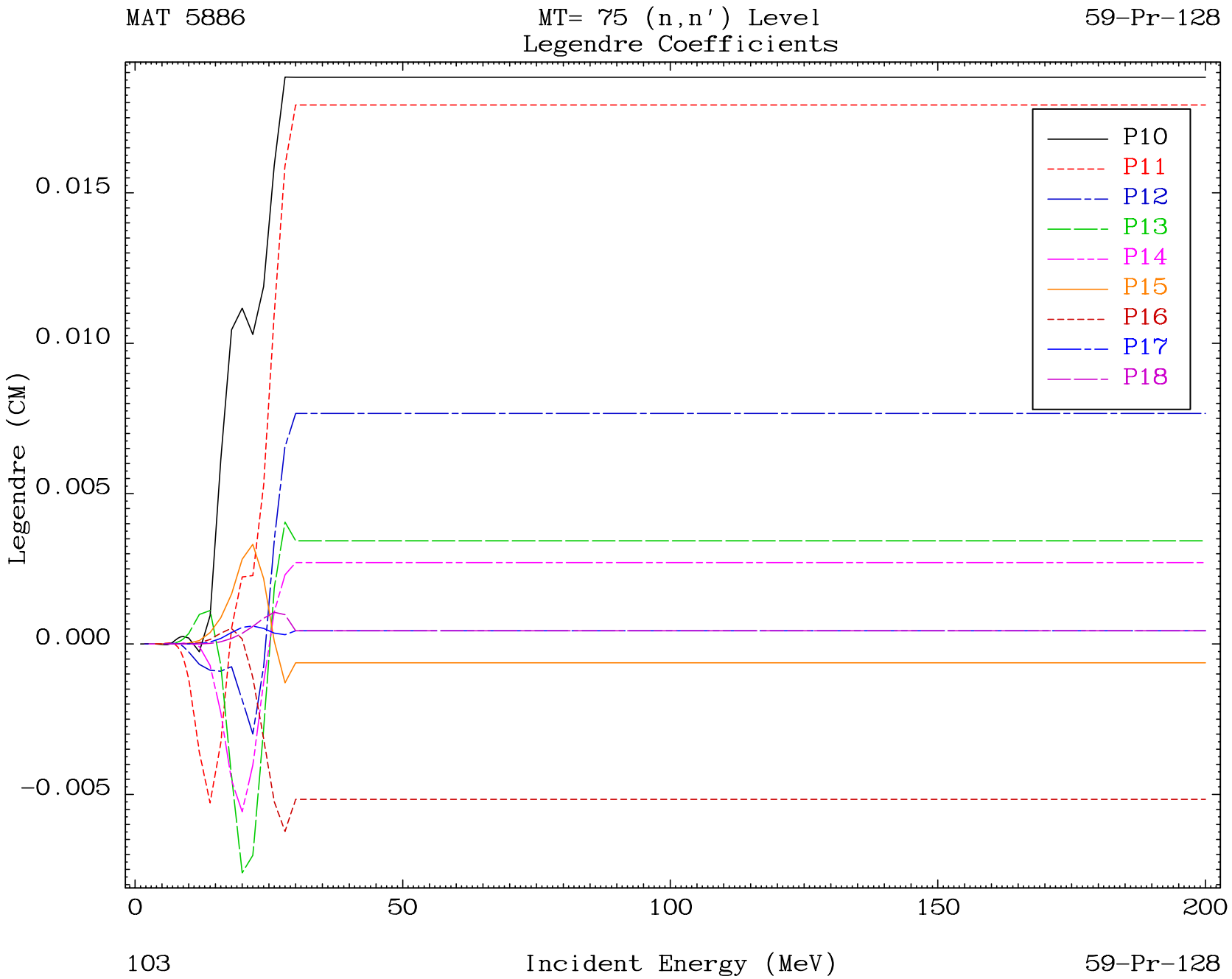

MAT 5886
MT= 73 (n,n') Level
Legendre Coefficients
59-Pr-128
0.0
X10-7
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
59-Pr-128
P28
P29
P30
P31
P32
P33
P34

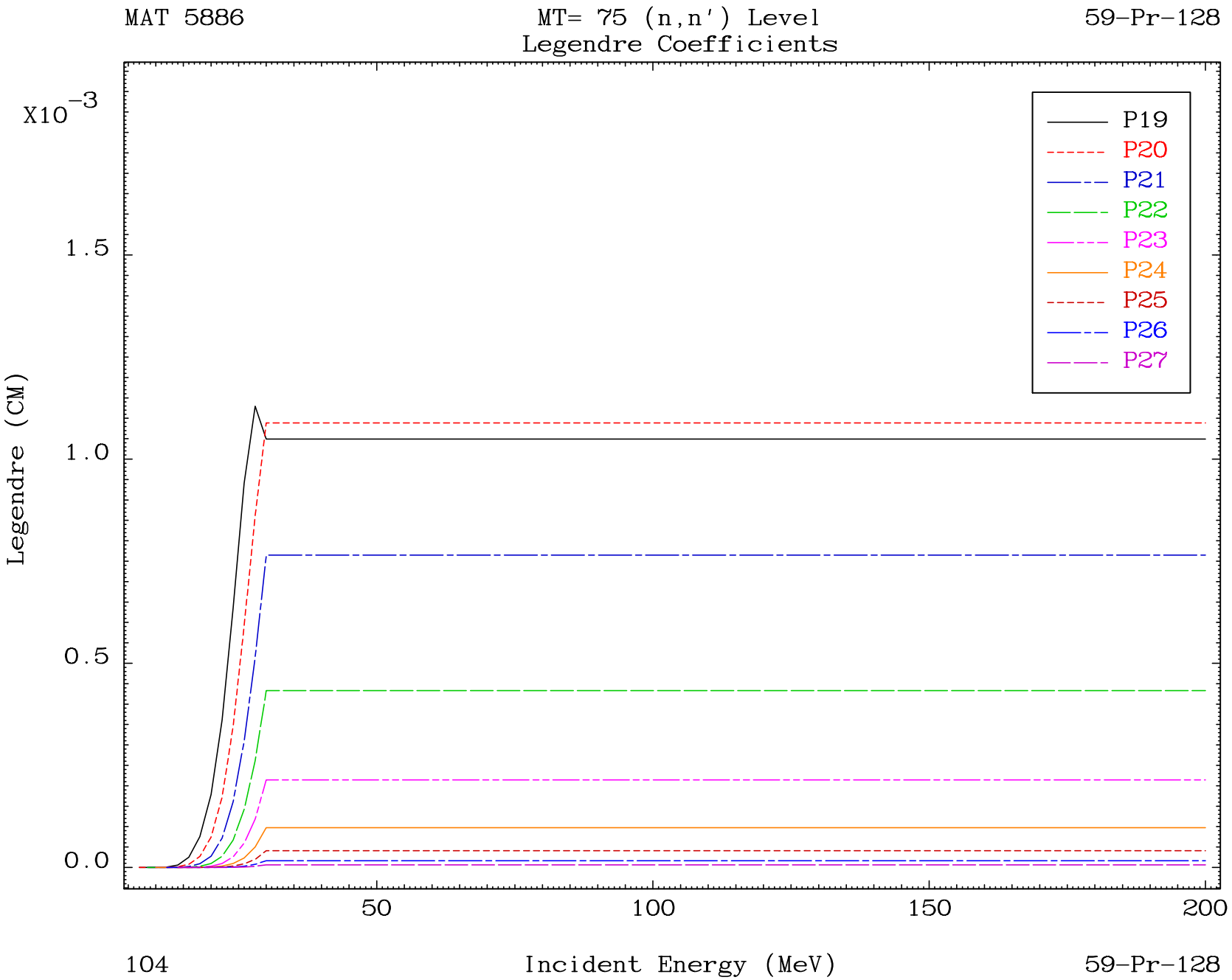

MAT 5886
MT= 74 (n,n') Level
Legendre Coefficients
59-Pr-128
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
99
Incident Energy (MeV)
59-Pr-128
P1
P2
P3
P4
P5
P6
P7
P8

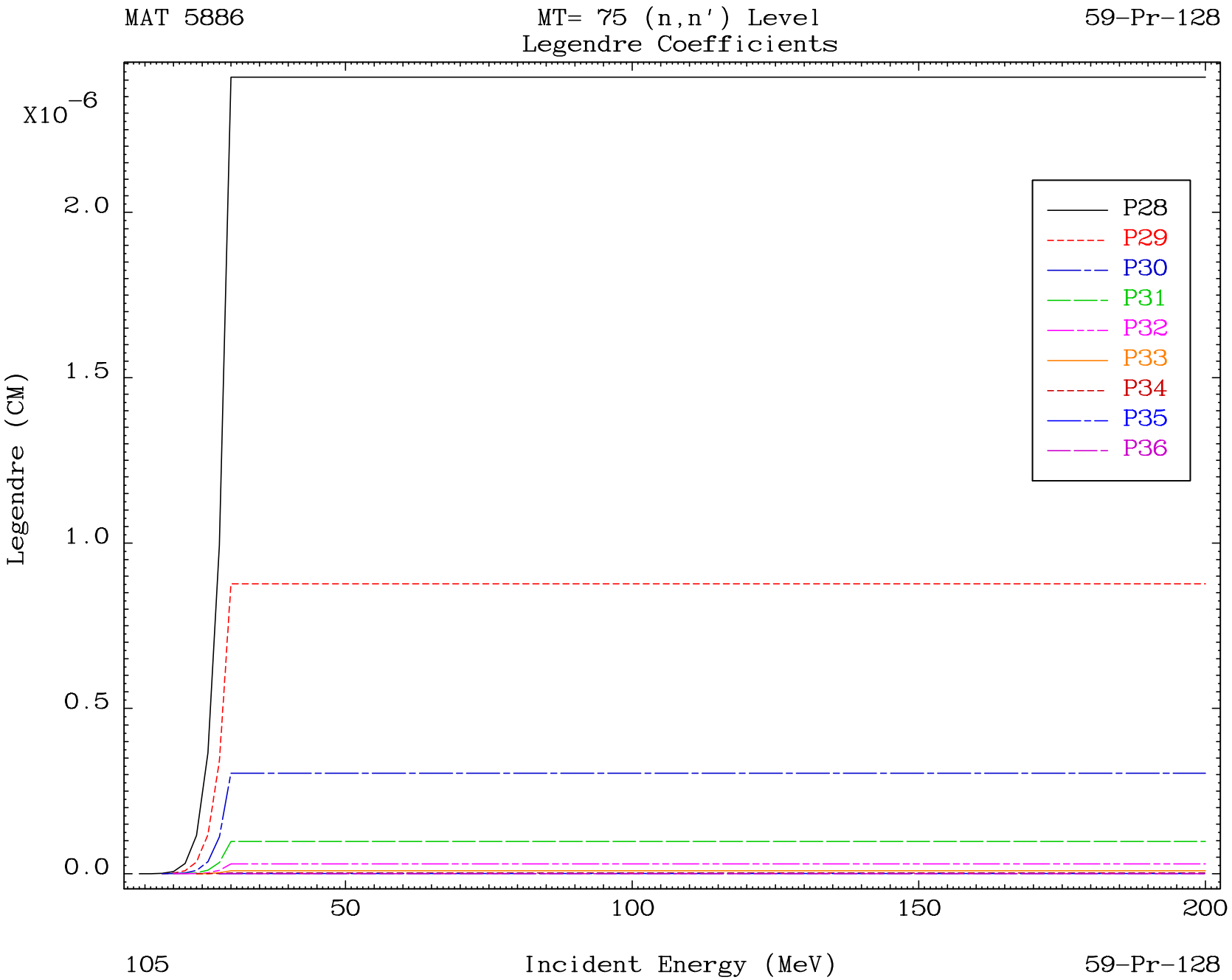

MAT 5886
MT= 74 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-4
1
0
-1
-2
Legendre (CM)
0
50
100
150
200
100
Incident Energy (MeV)
59-Pr-128
P9
P10
P11
P12
P13
P14
P15
P16

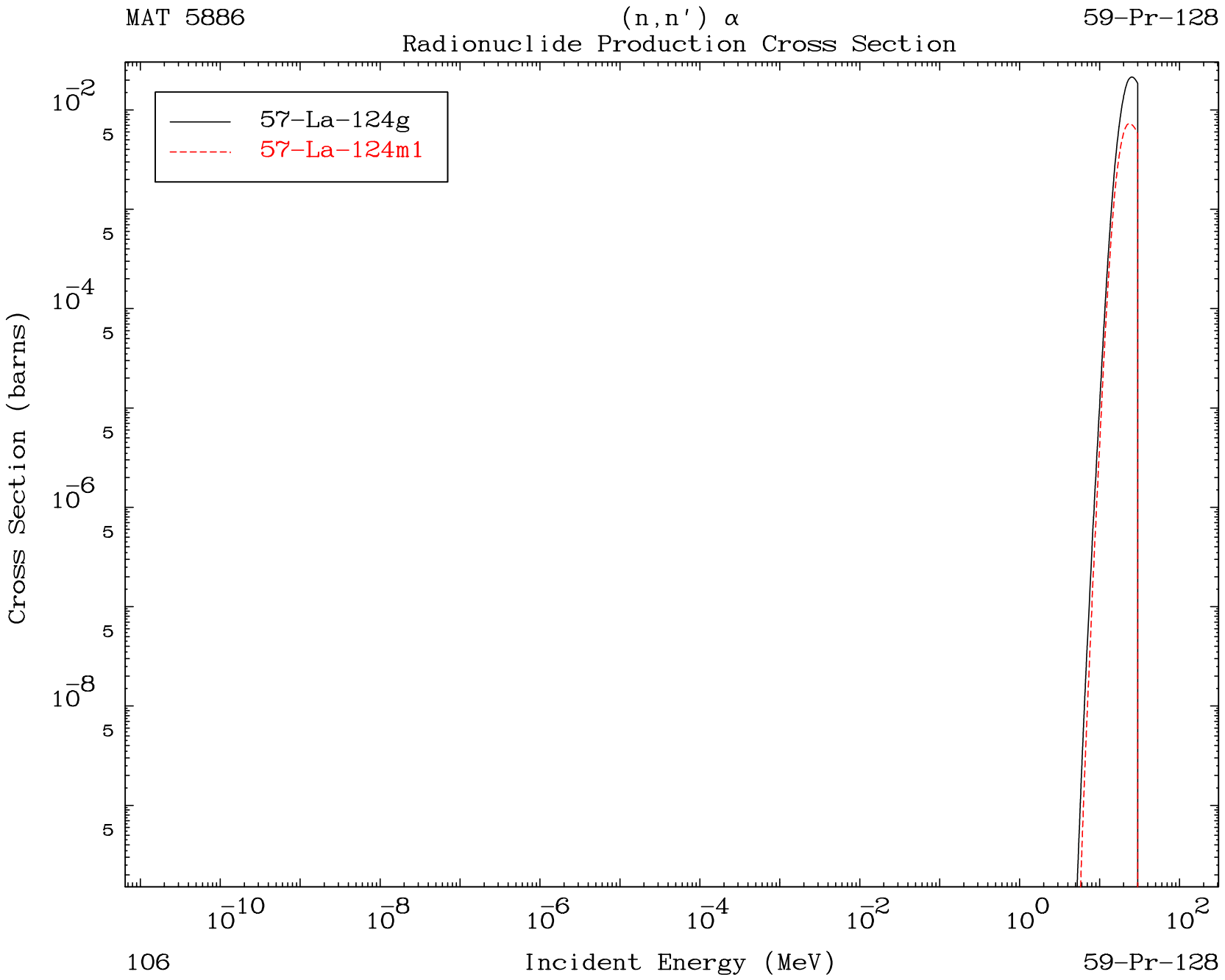

MAT 5886
MT= 74 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-6
6
4
2
0
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
101
Incident Energy (MeV)
59-Pr-128

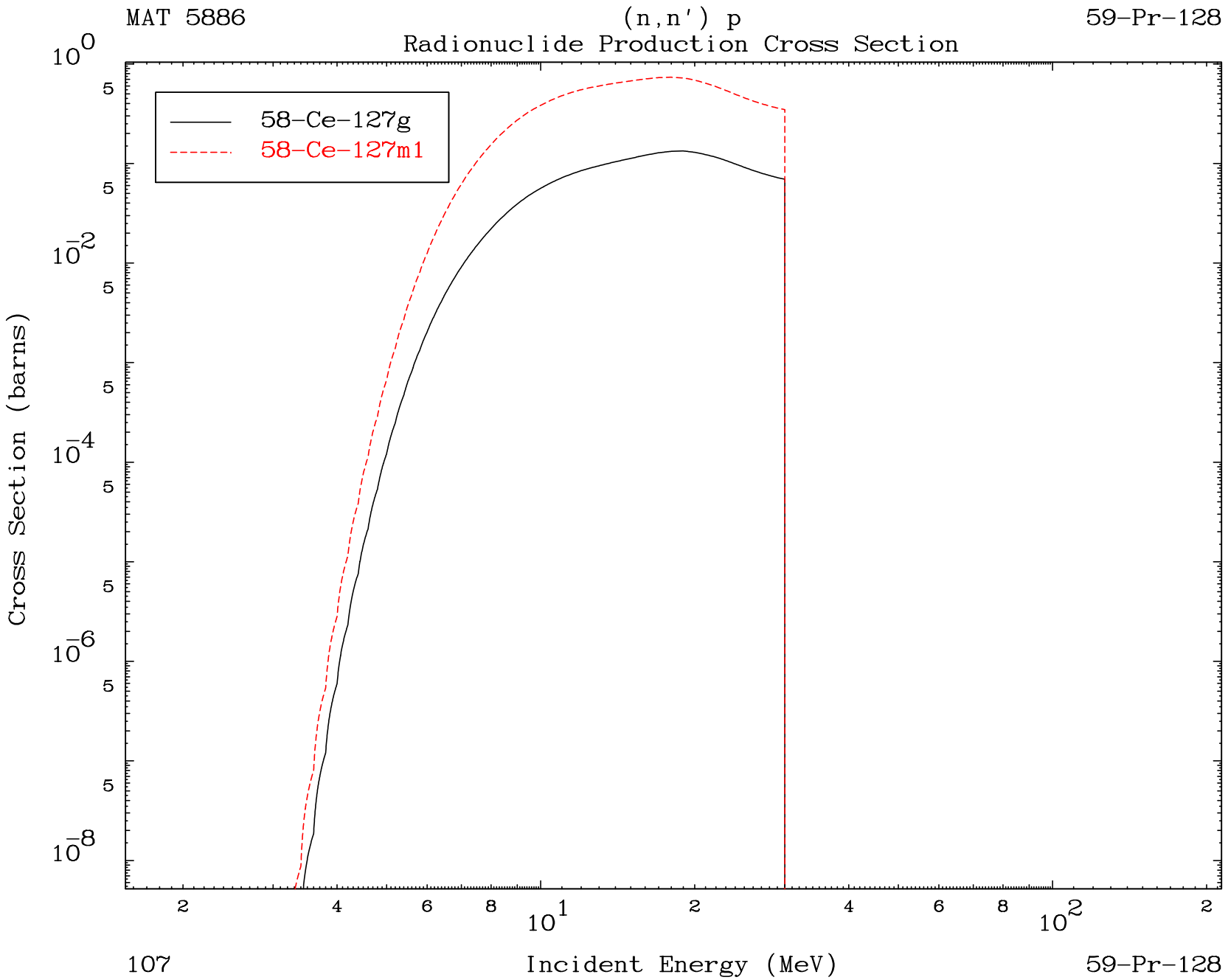

MAT 5886
MT= 75 (n,n') Level
Legendre Coefficients
59-Pr-128
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
102
Incident Energy (MeV)
59-Pr-128

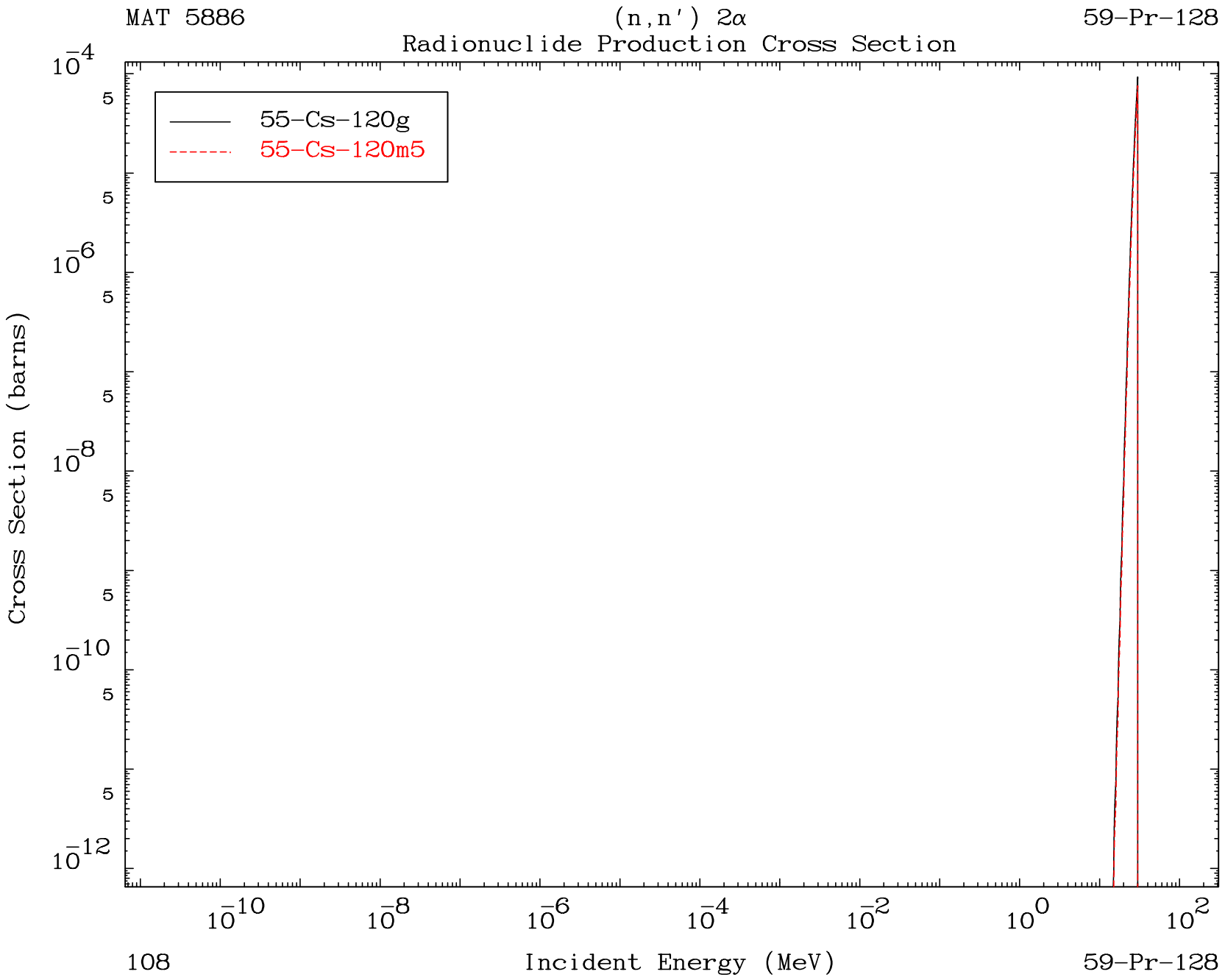

MAT 5886
MT= 75 (n,n') Level
Legendre Coefficients
59-Pr-128
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
103
Incident Energy (MeV)
59-Pr-128

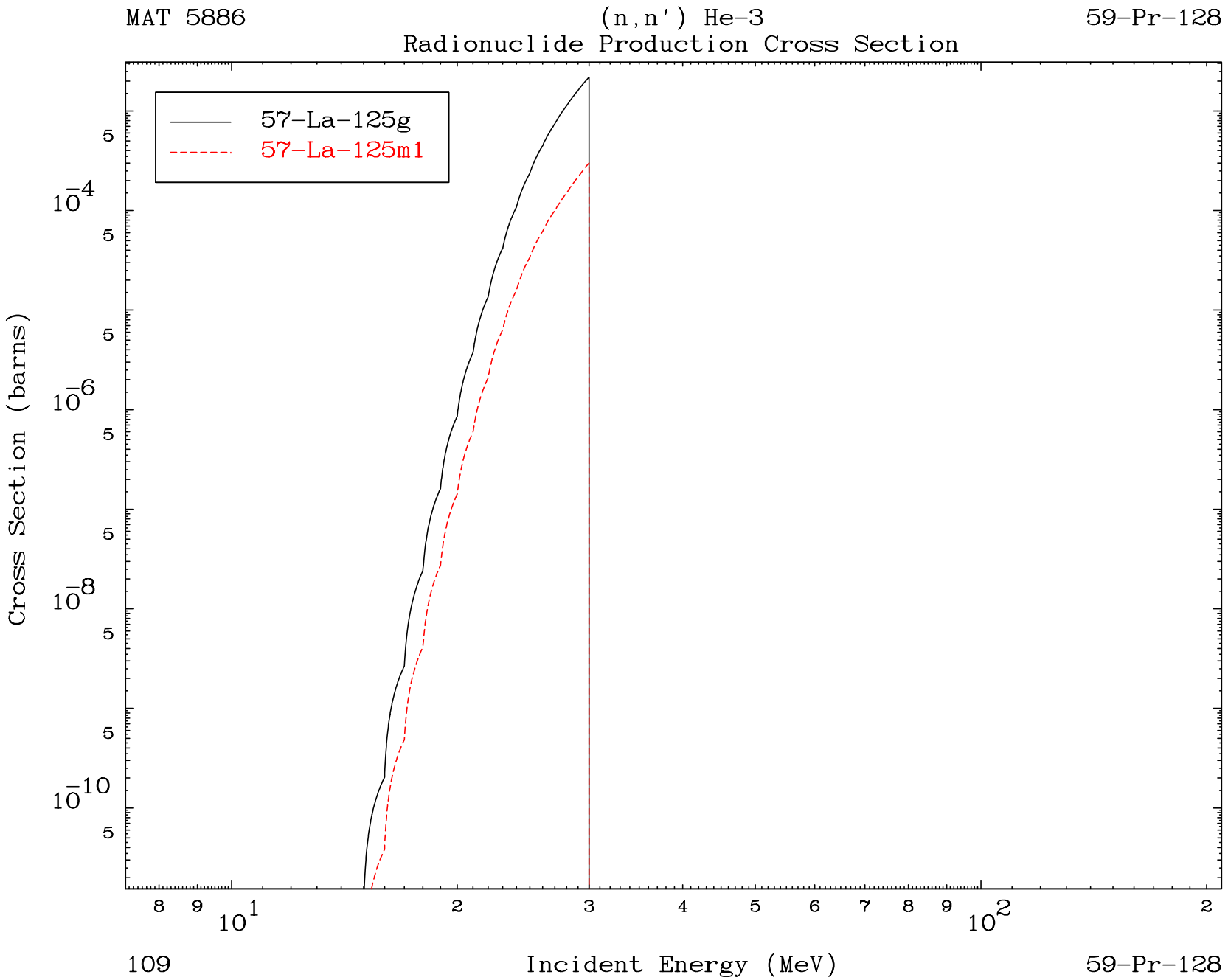

MAT 5886
MT= 75 (n,n') Level
Legendre Coefficients
59-Pr-128
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
104
Incident Energy (MeV)
59-Pr-128

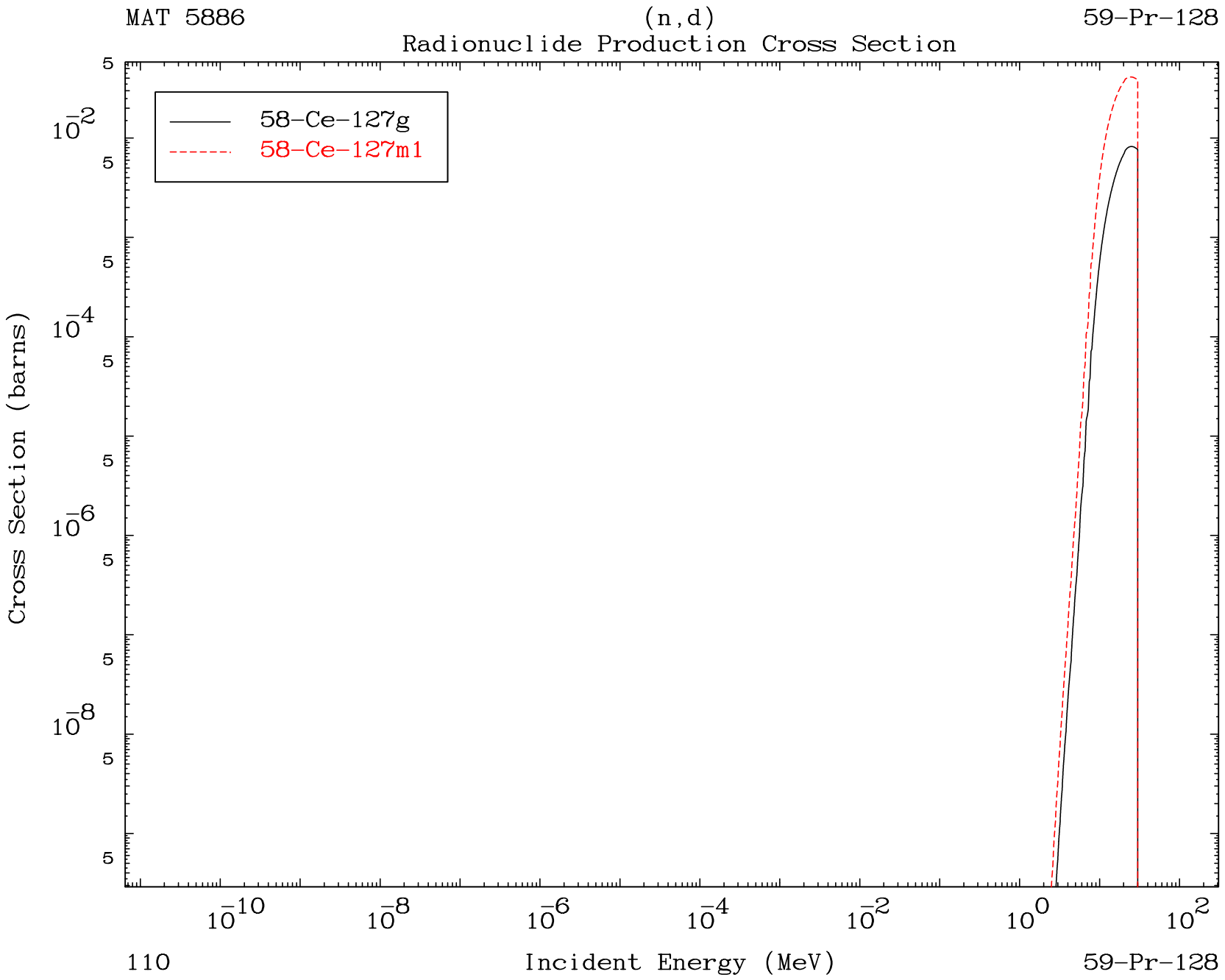

MAT 5886
MT= 75 (n,n') Level
Legendre Coefficients
59-Pr-128
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
105
Incident Energy (MeV)
59-Pr-128

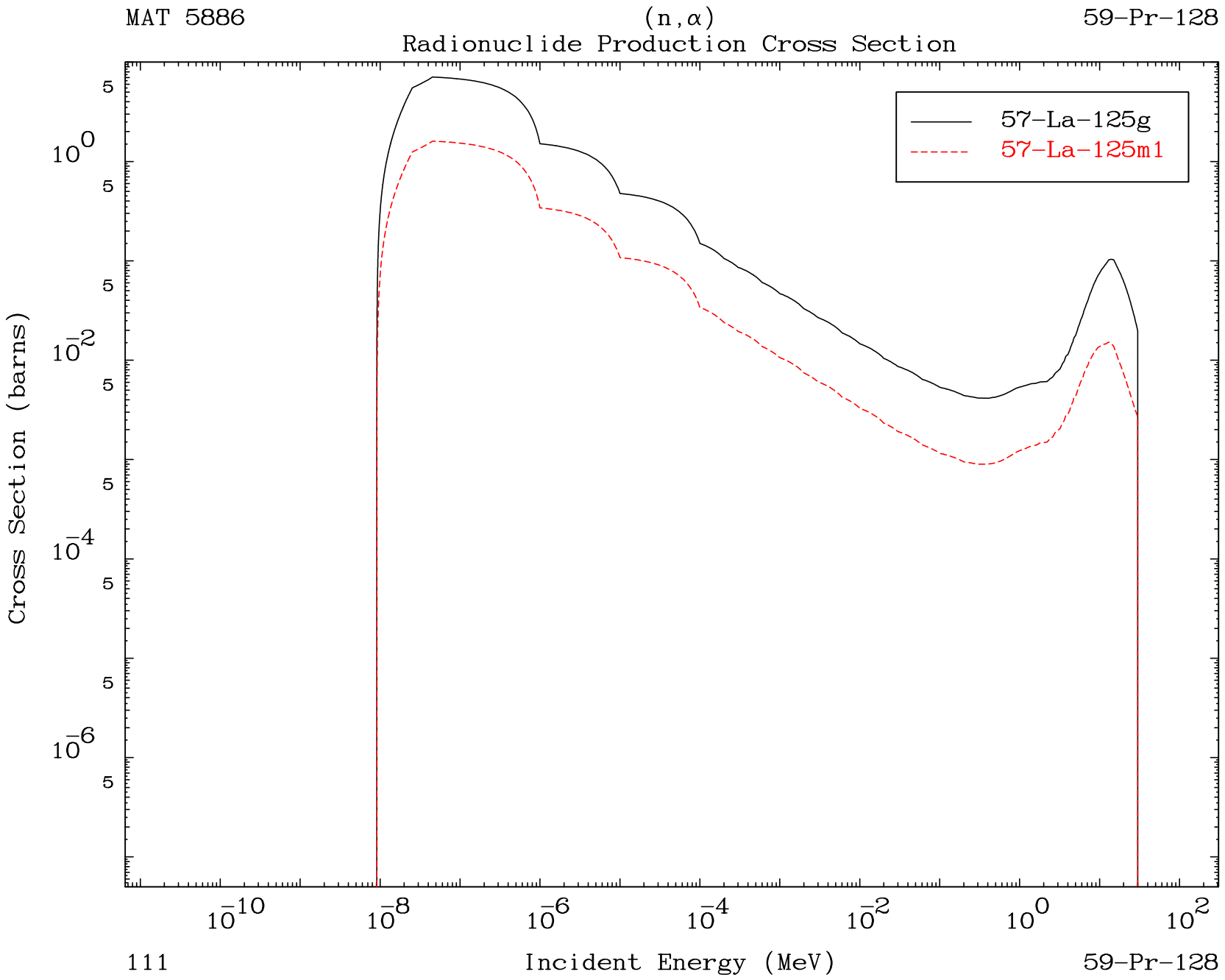

MAT 5886
(n,n') α
59-Pr-128
Radionuclide Production Cross Section
57-La-124g
57-La-124m1
Cross Section (barns)
Incident Energy (MeV)
106
59-Pr-128

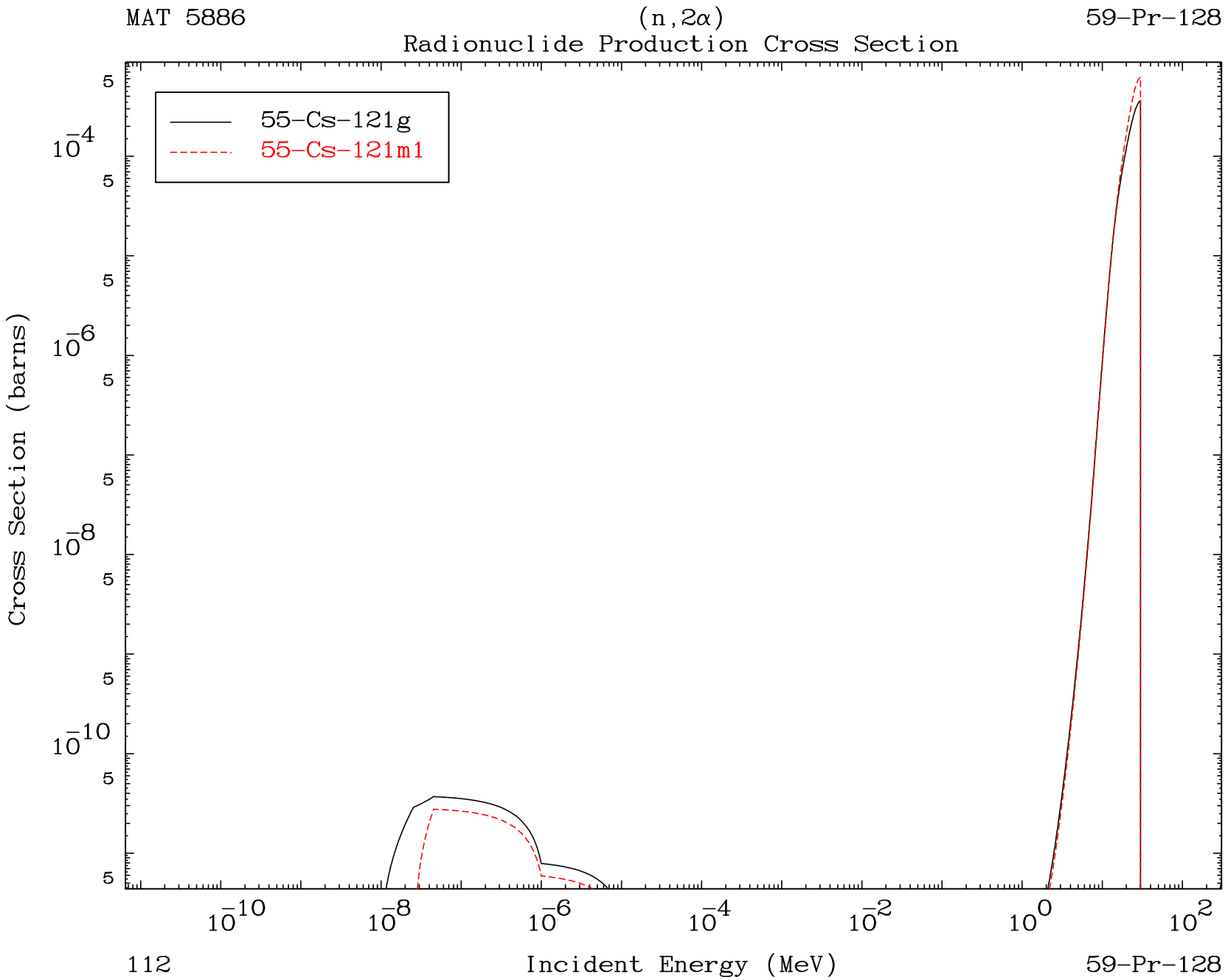

MAT 5886
(n,n') p
59-Pr-128
Radionuclide Production Cross Section
58-Ce-127g
58-Ce-127m1
Cross Section (barns)
Incident Energy (MeV)
107
59-Pr-128

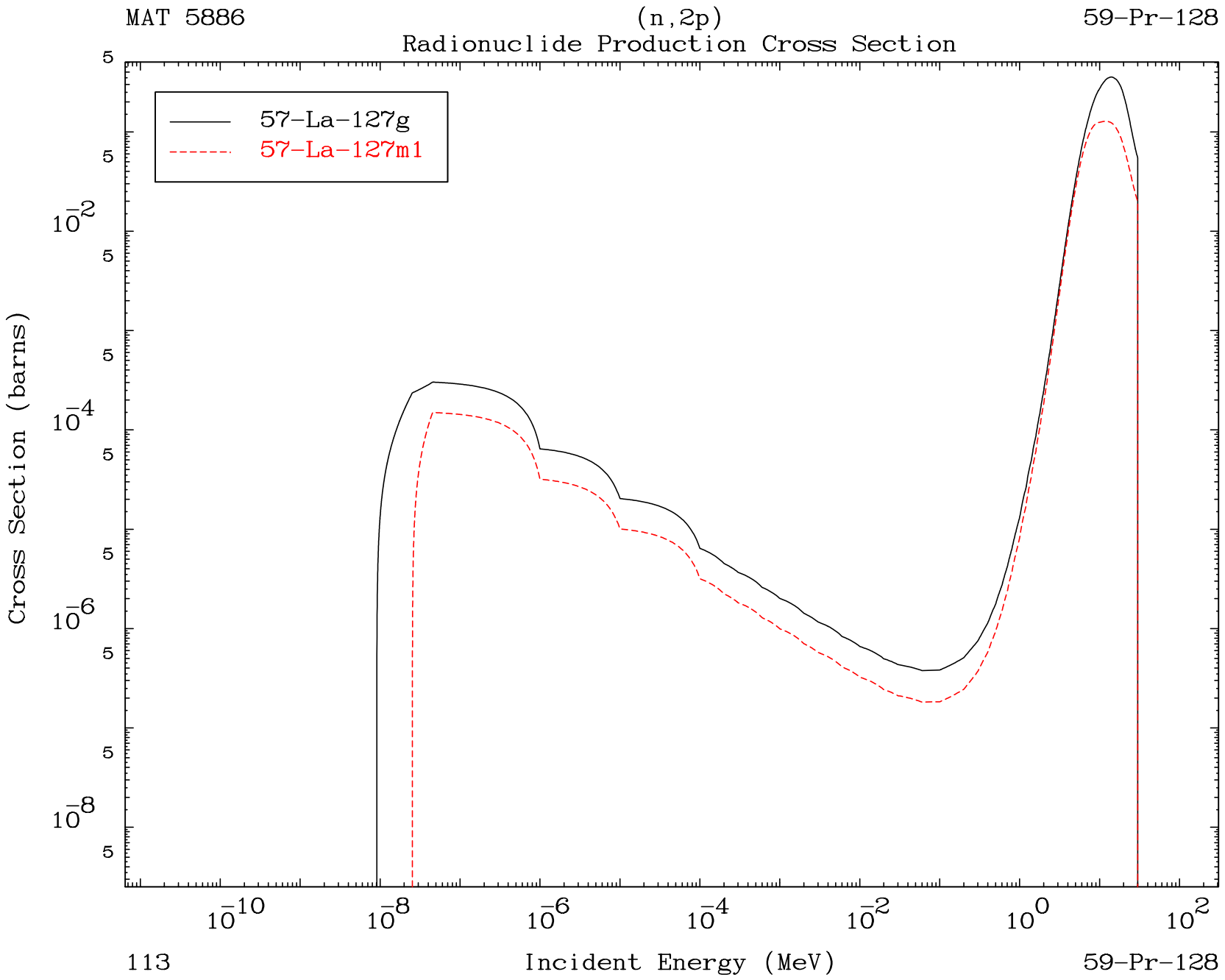

MAT 5886
(n,n') 2α
59-Pr-128
Radionuclide Production Cross Section
55-Cs-120g
55-Cs-120m5
Cross Section (barns)
Incident Energy (MeV)
108
59-Pr-128

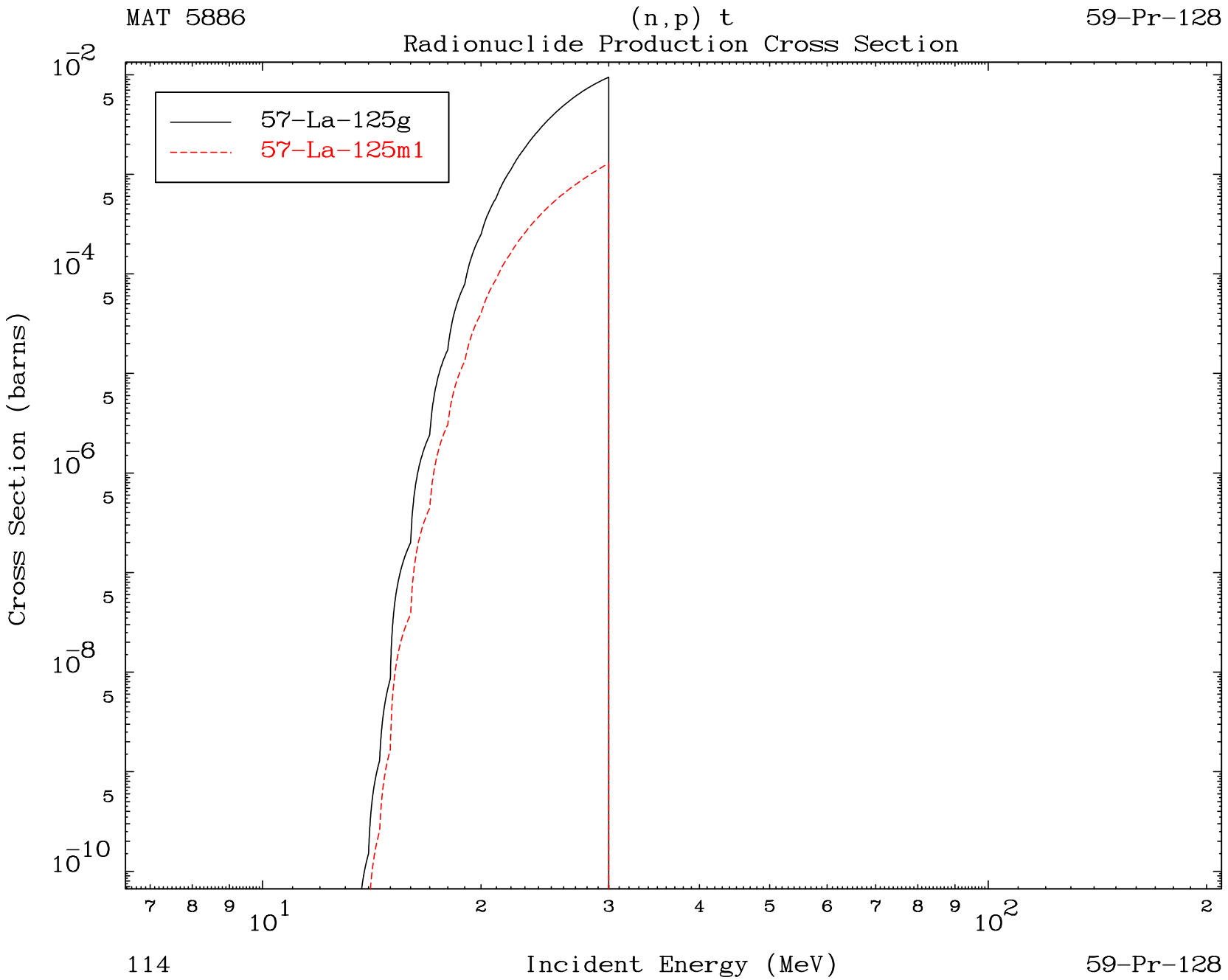

MAT 5886
(n,n') He-3
59-Pr-128
Radionuclide Production Cross Section
57-La-125g
57-La-125m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
109
Incident Energy (MeV)
59-Pr-128


MAT 5886
(n,d)
59-Pr-128
Radionuclide Production Cross Section
58-Ce-127g
58-Ce-127m1
Cross Section (barns)
Incident Energy (MeV)
110
59-Pr-128


MAT 5886
(n,α)
59-Pr-128
Radionuclide Production Cross Section
57-La-125g
57-La-125m1
Cross Section (barns)
Incident Energy (MeV)
111
59-Pr-128


MAT 5886
(n,2α)
59-Pr-128
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
Incident Energy (MeV)
112
59-Pr-128


MAT 5886
(n,2p)
59-Pr-128
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
Incident Energy (MeV)
113
59-Pr-128


MAT 5886
(n,p) t
59-Pr-128
Radionuclide Production Cross Section
57-La-125g
57-La-125m1
Cross Section (barns)
Incident Energy (MeV)
114
59-Pr-128