Program EVALPLOT
(Version 2015-2)
by
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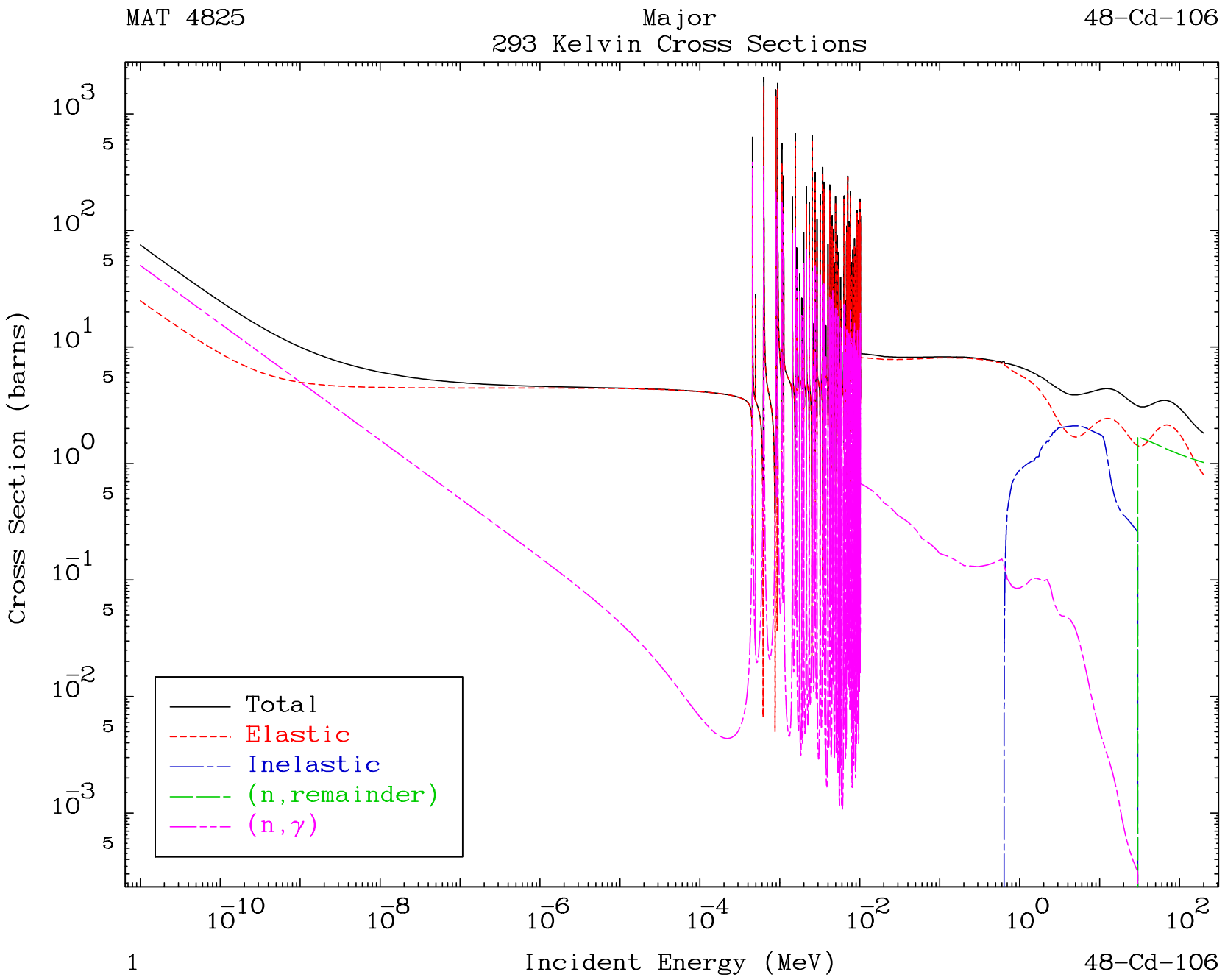
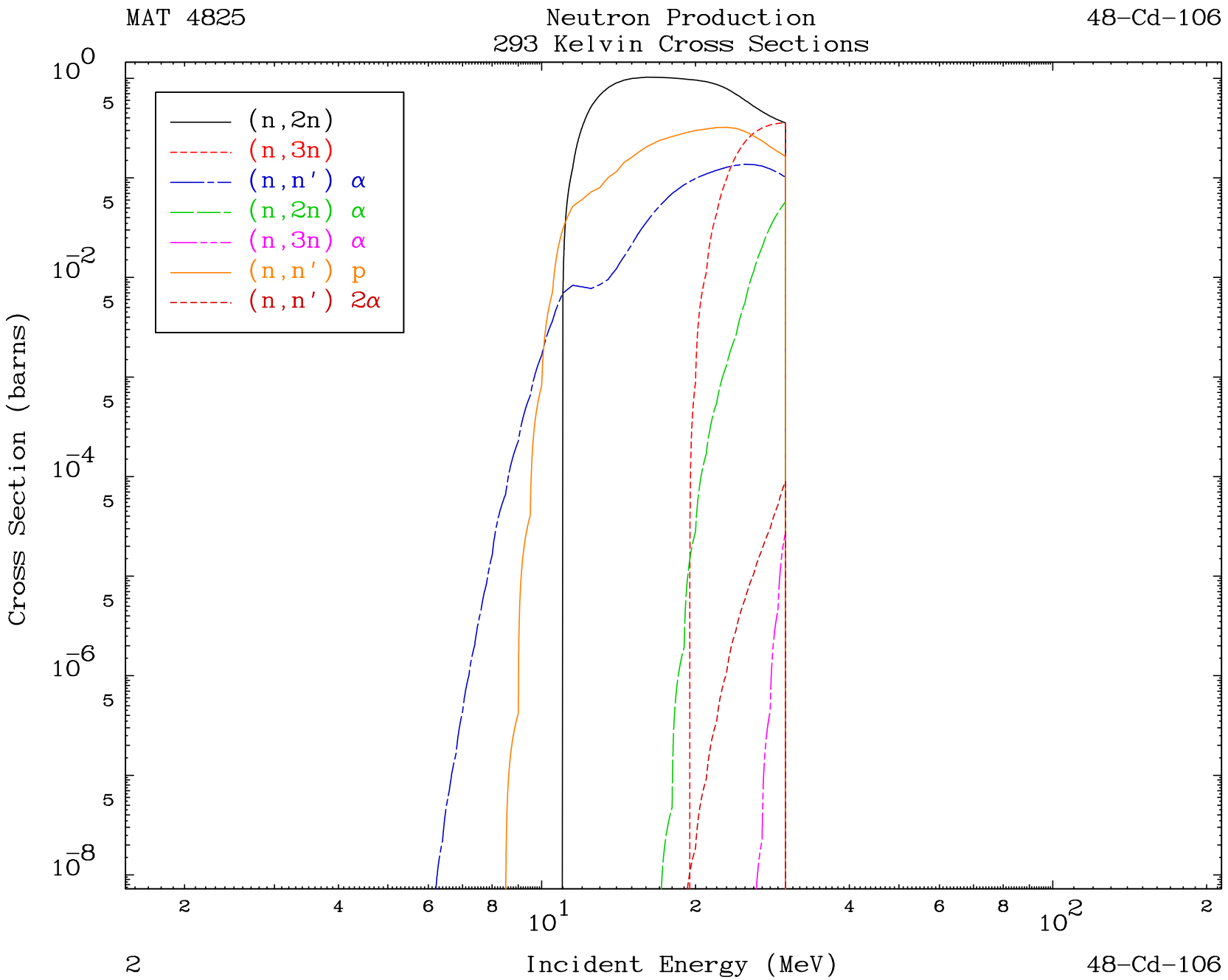
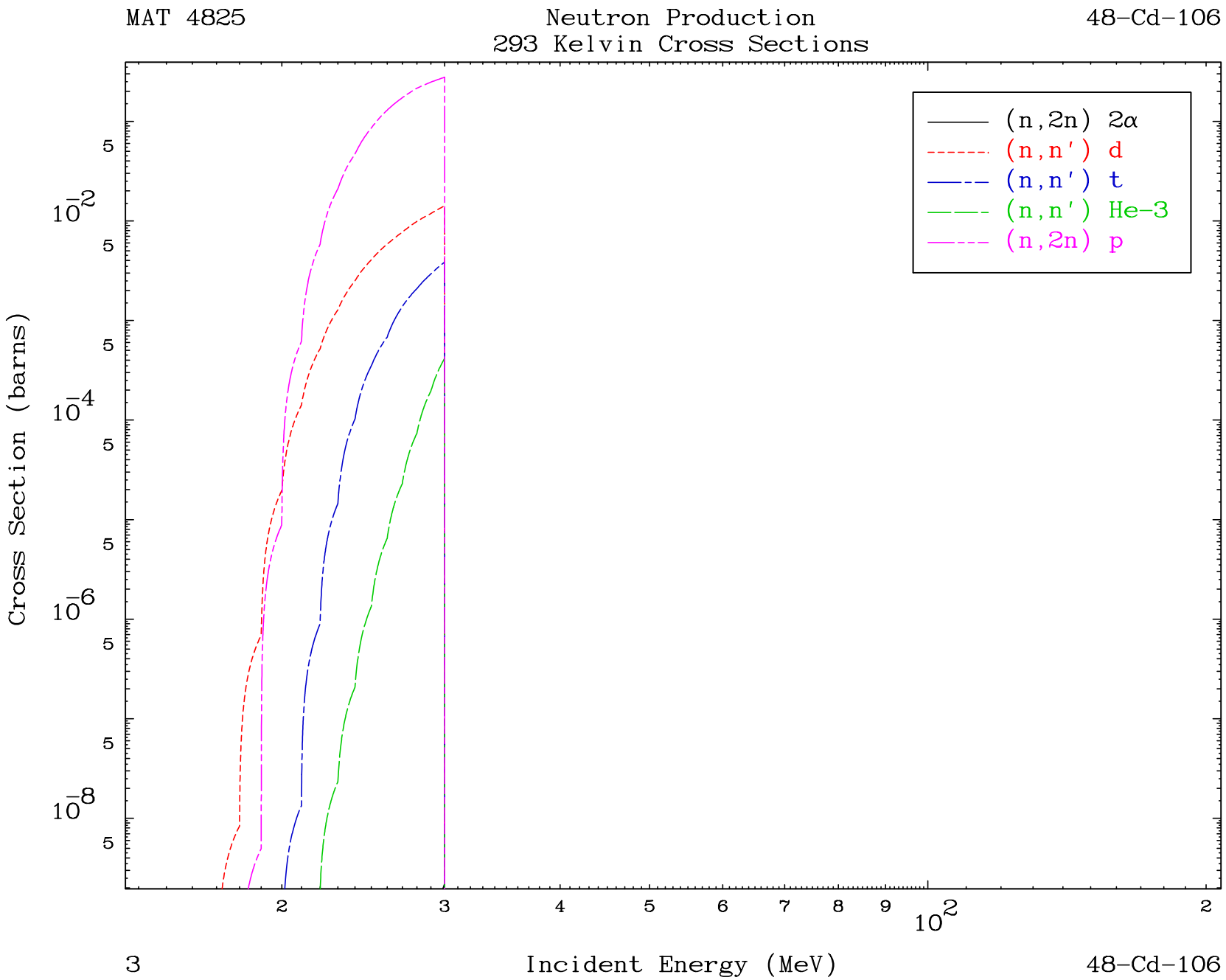
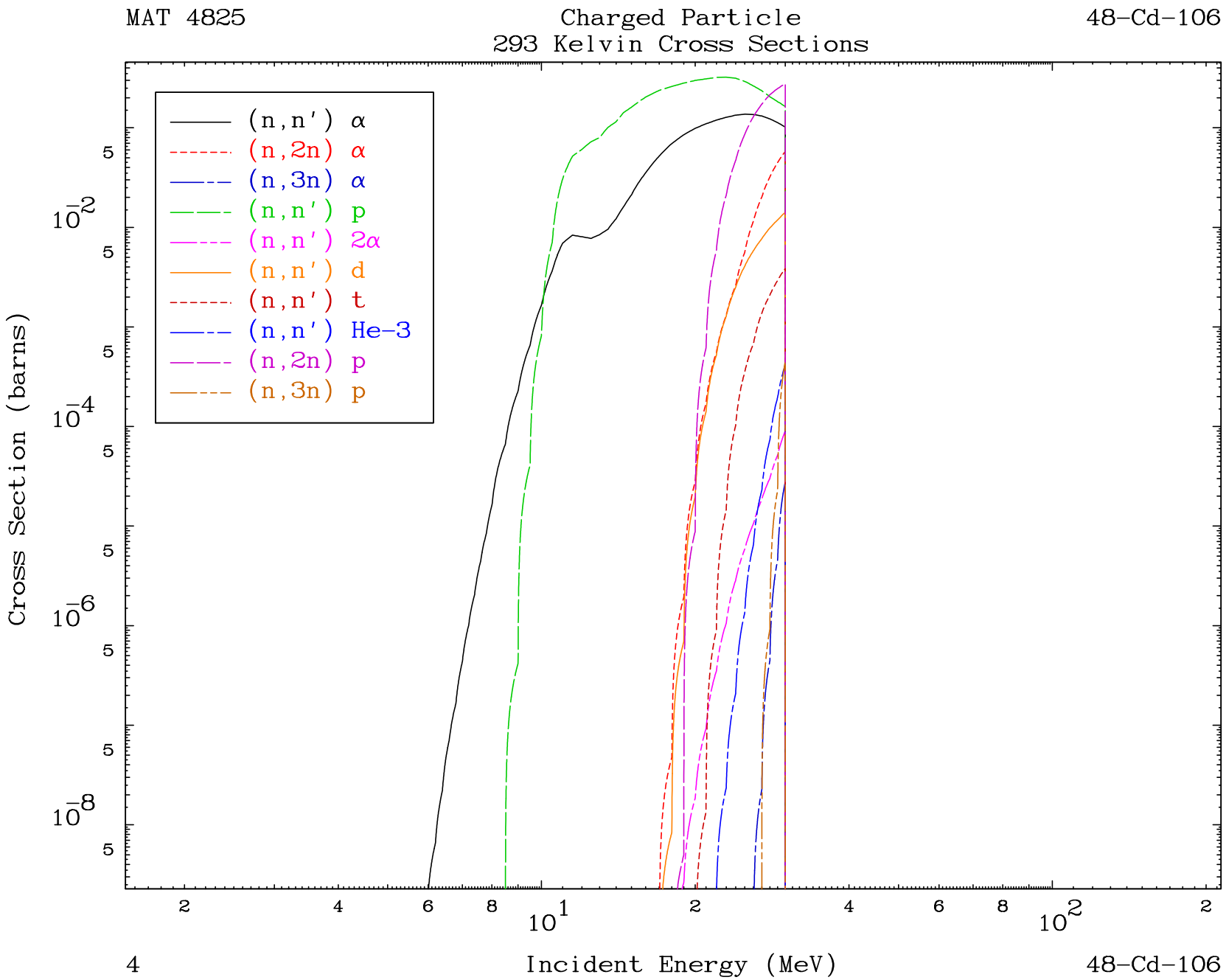
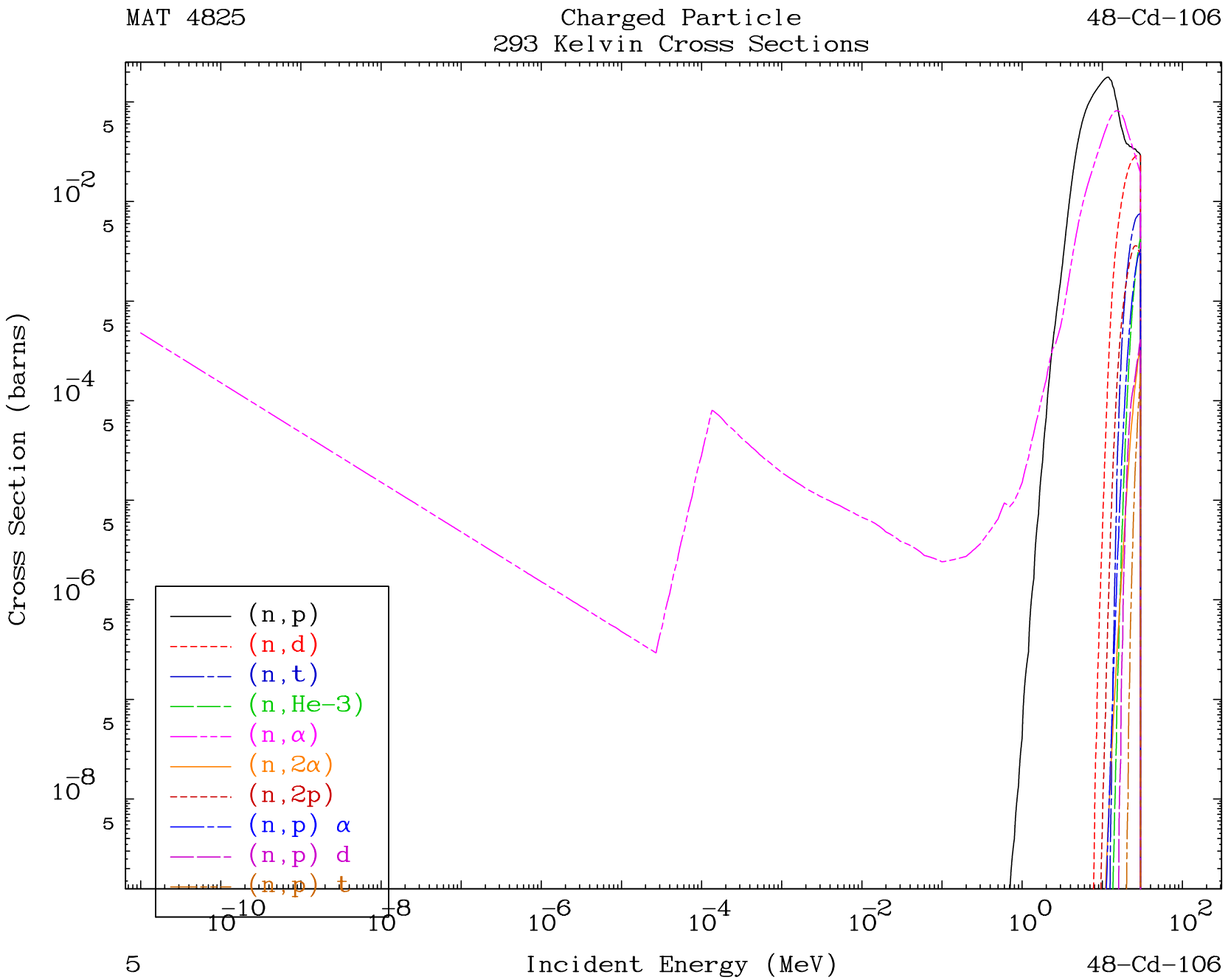
Press Mouse Button to Start

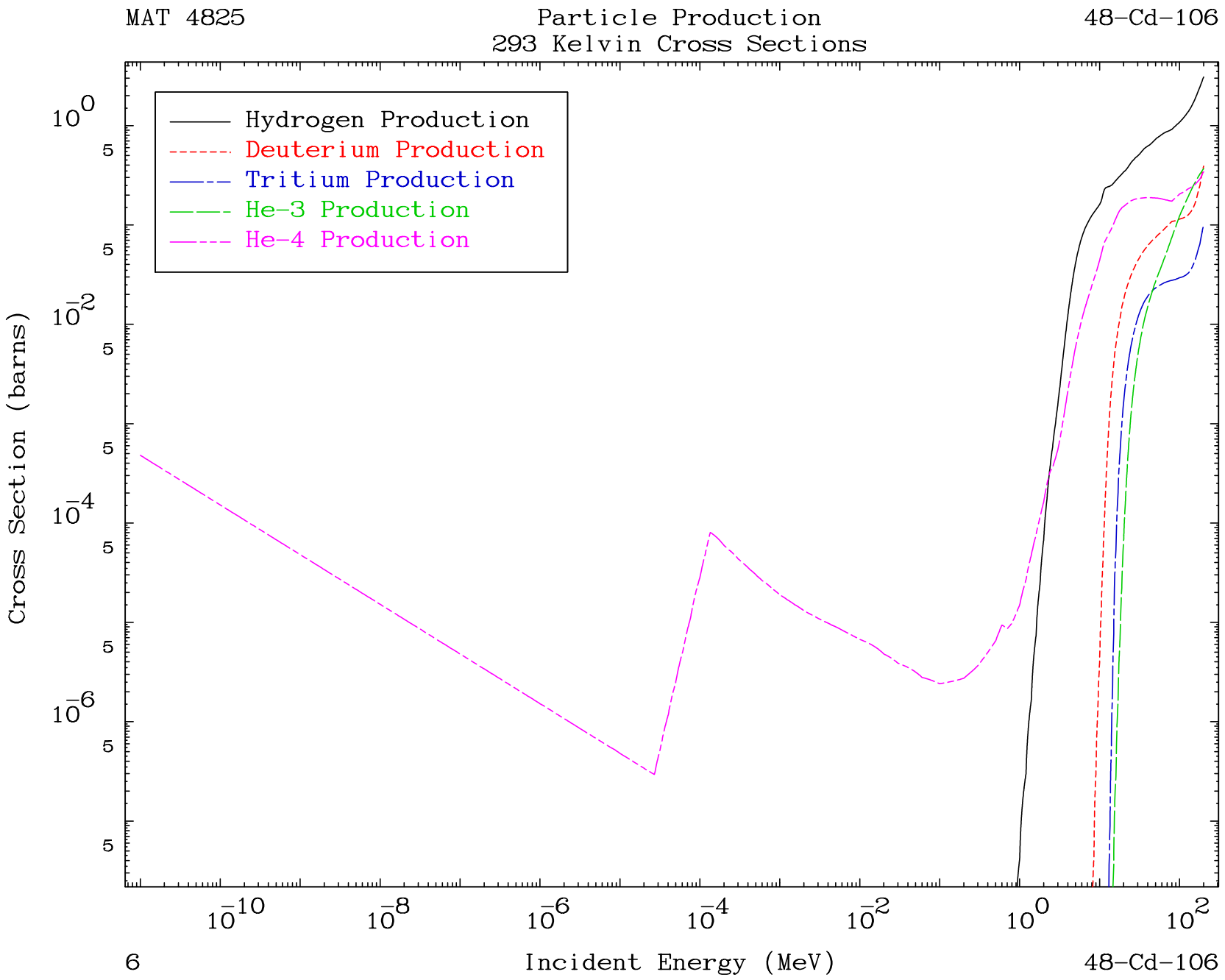

MAT 4825
Major
48-Cd-106
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
48-Cd-106

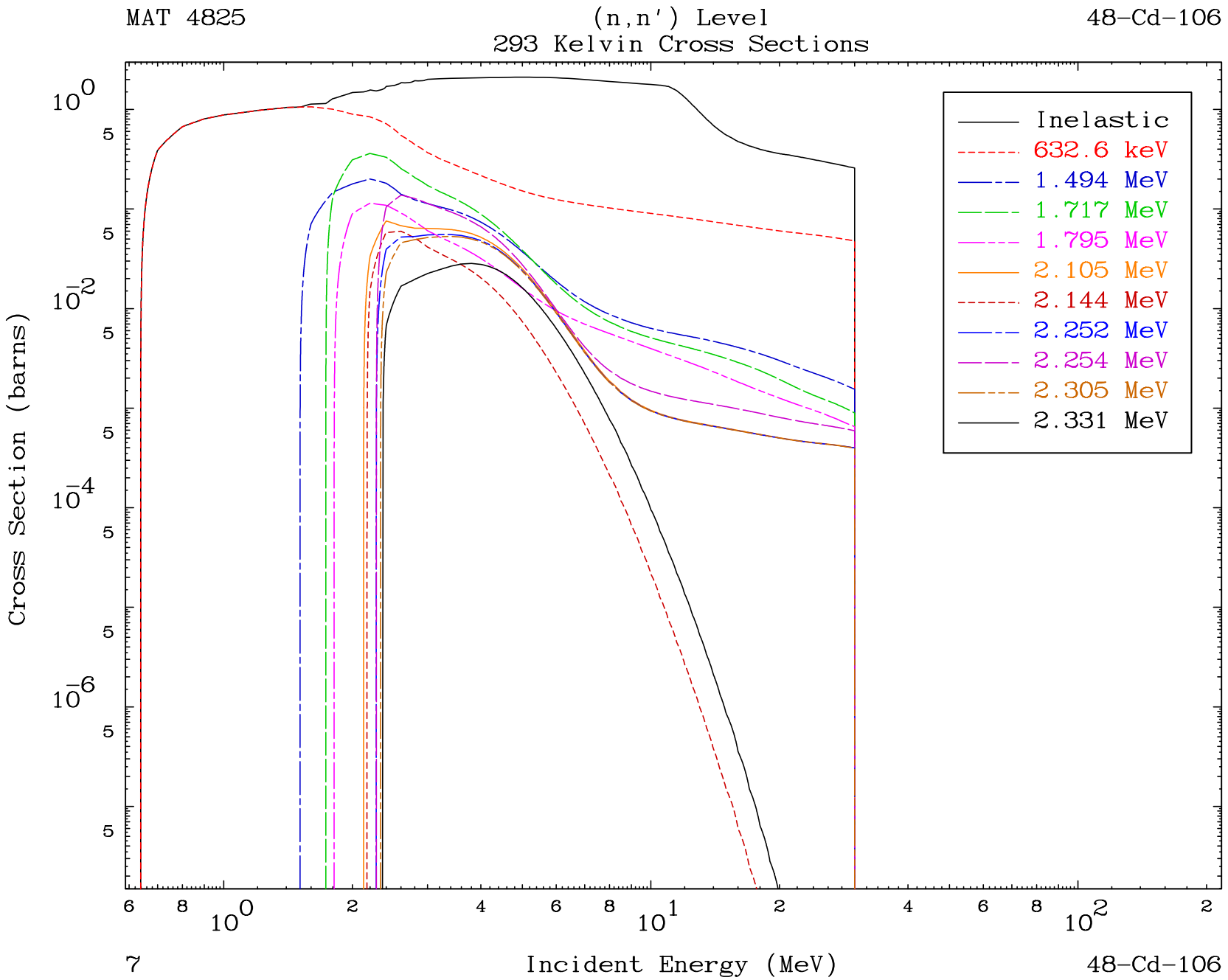

MAT 4825
Neutron Production
293 Kelvin Cross Sections
48-Cd-106
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
48-Cd-106

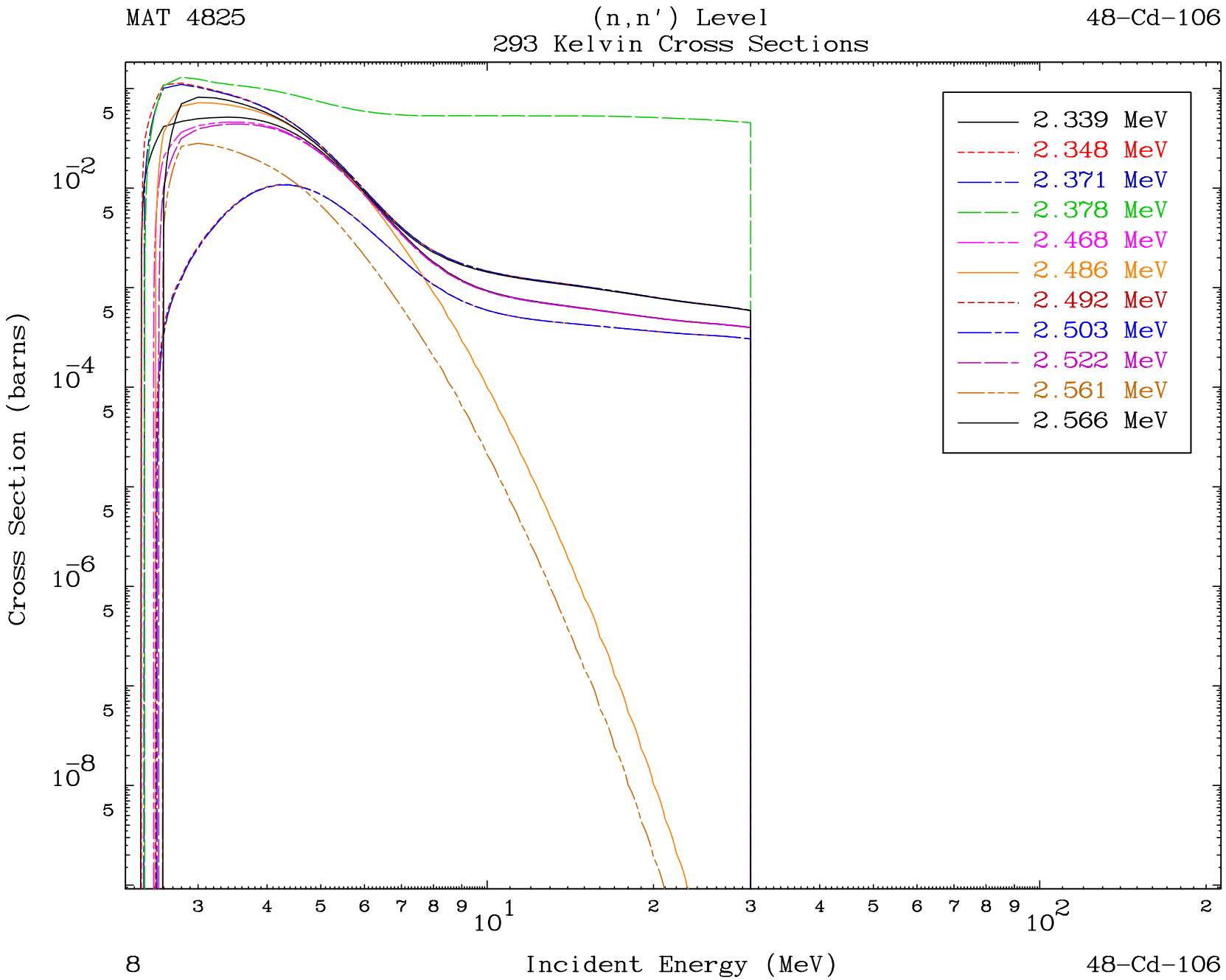

MAT 4825
Neutron Production
293 Kelvin Cross Sections
48-Cd-106
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
3
Incident Energy (MeV)
48-Cd-106

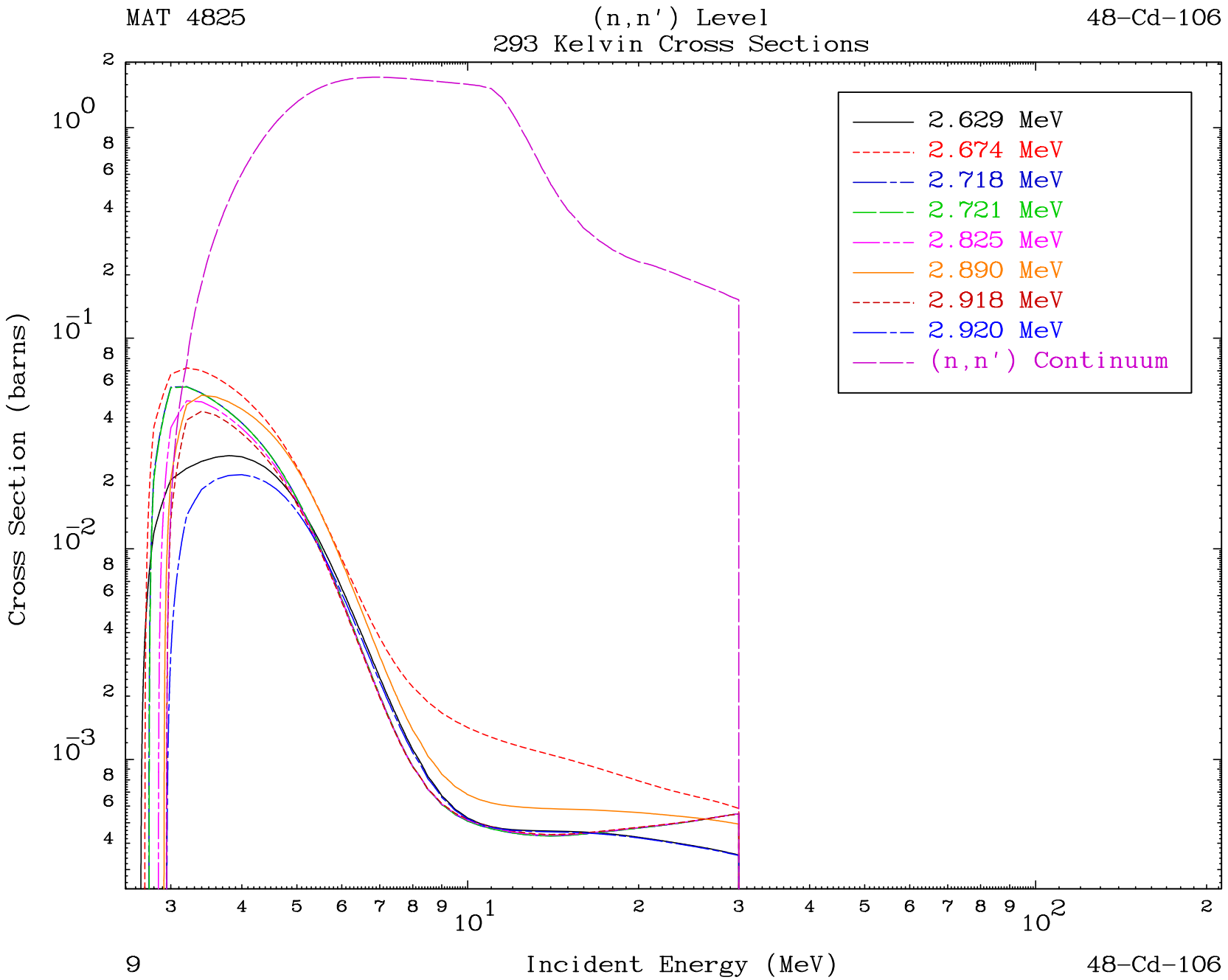

MAT 4825
Charged Particle
293 Kelvin Cross Sections
48-Cd-106
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
4
48-Cd-106

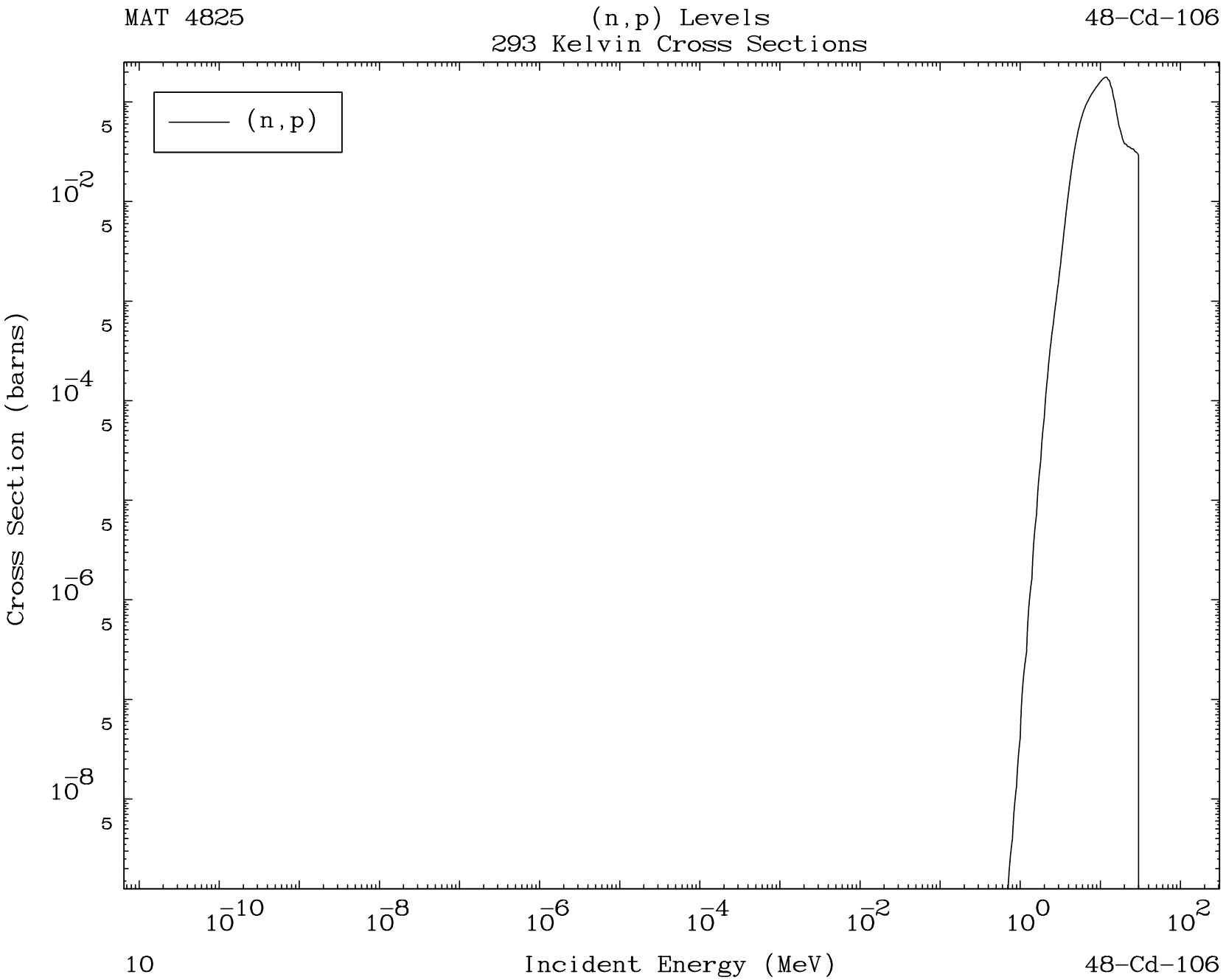

MAT 4825
Charged Particle
293 Kelvin Cross Sections
48-Cd-106
Cross Section (barns)
Incident Energy (MeV)
48-Cd-106
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t

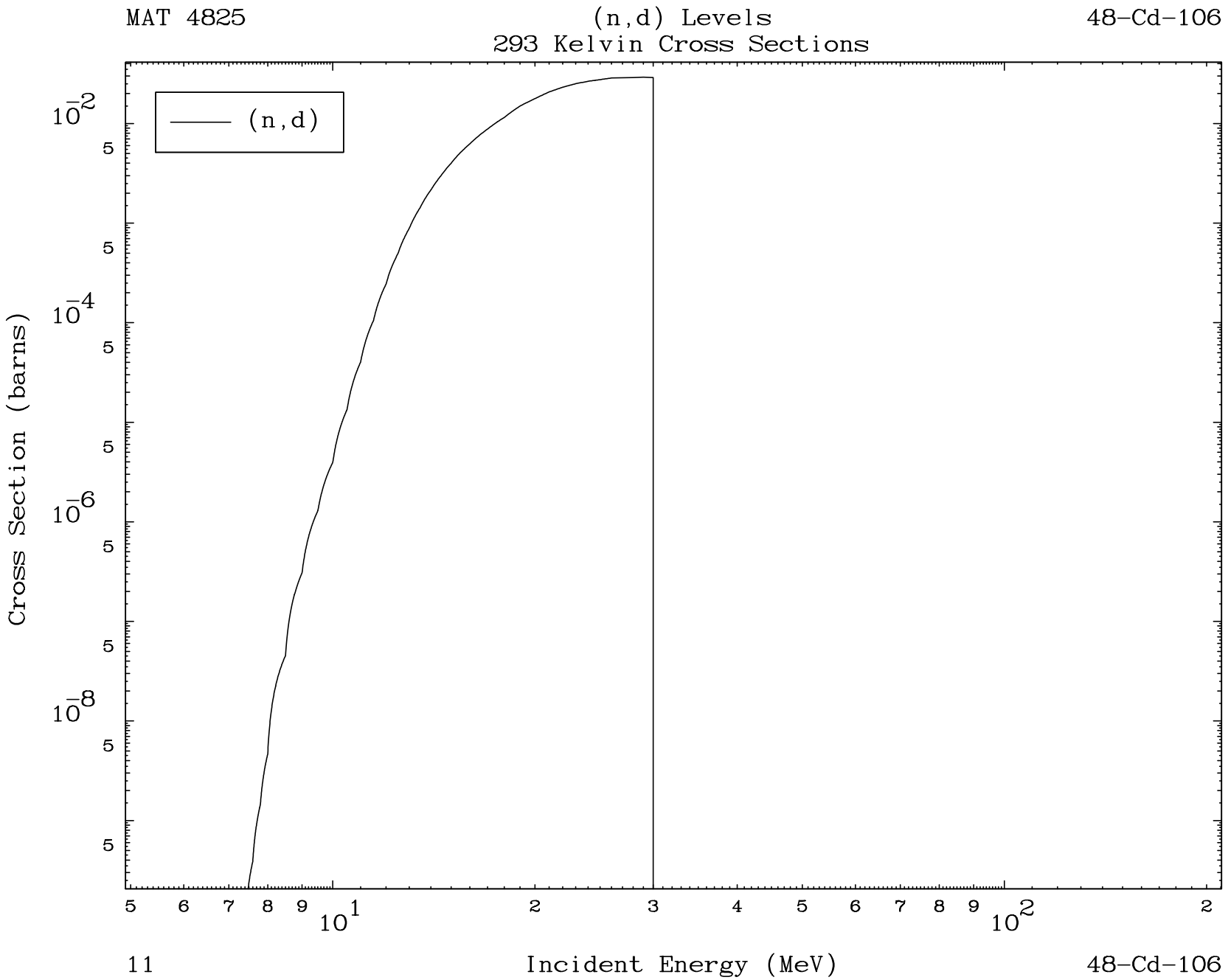

MAT 4825
Particle Production
293 Kelvin Cross Sections
48-Cd-106
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
6
48-Cd-106

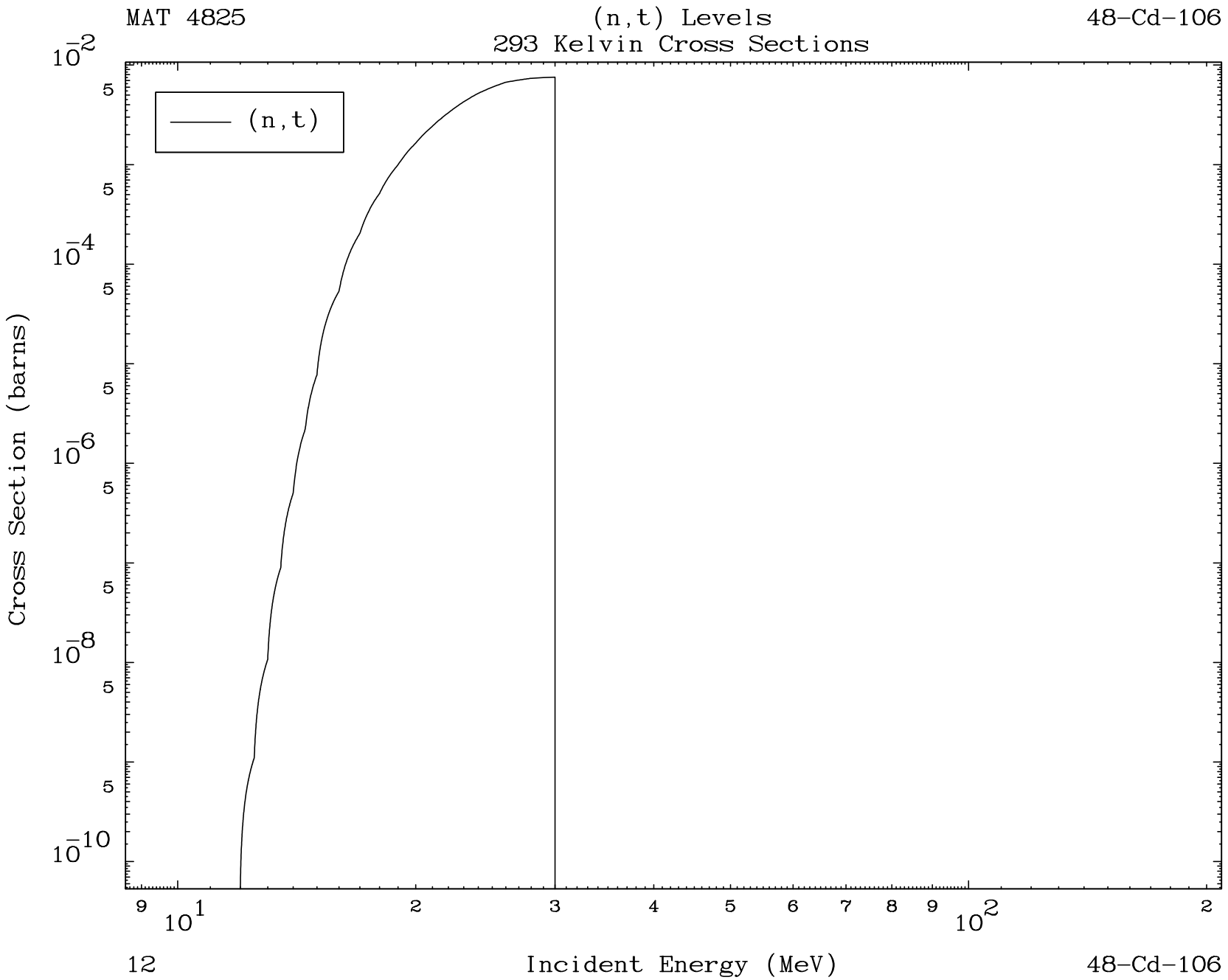

MAT 4825
(n,n') Level
293 Kelvin Cross Sections
48-Cd-106
Cross Section (barns)
Incident Energy (MeV)
Inelastic
632.6 keV
1.494 MeV
1.717 MeV
1.795 MeV
2.105 MeV
2.144 MeV
2.252 MeV
2.254 MeV
2.305 MeV
2.331 MeV

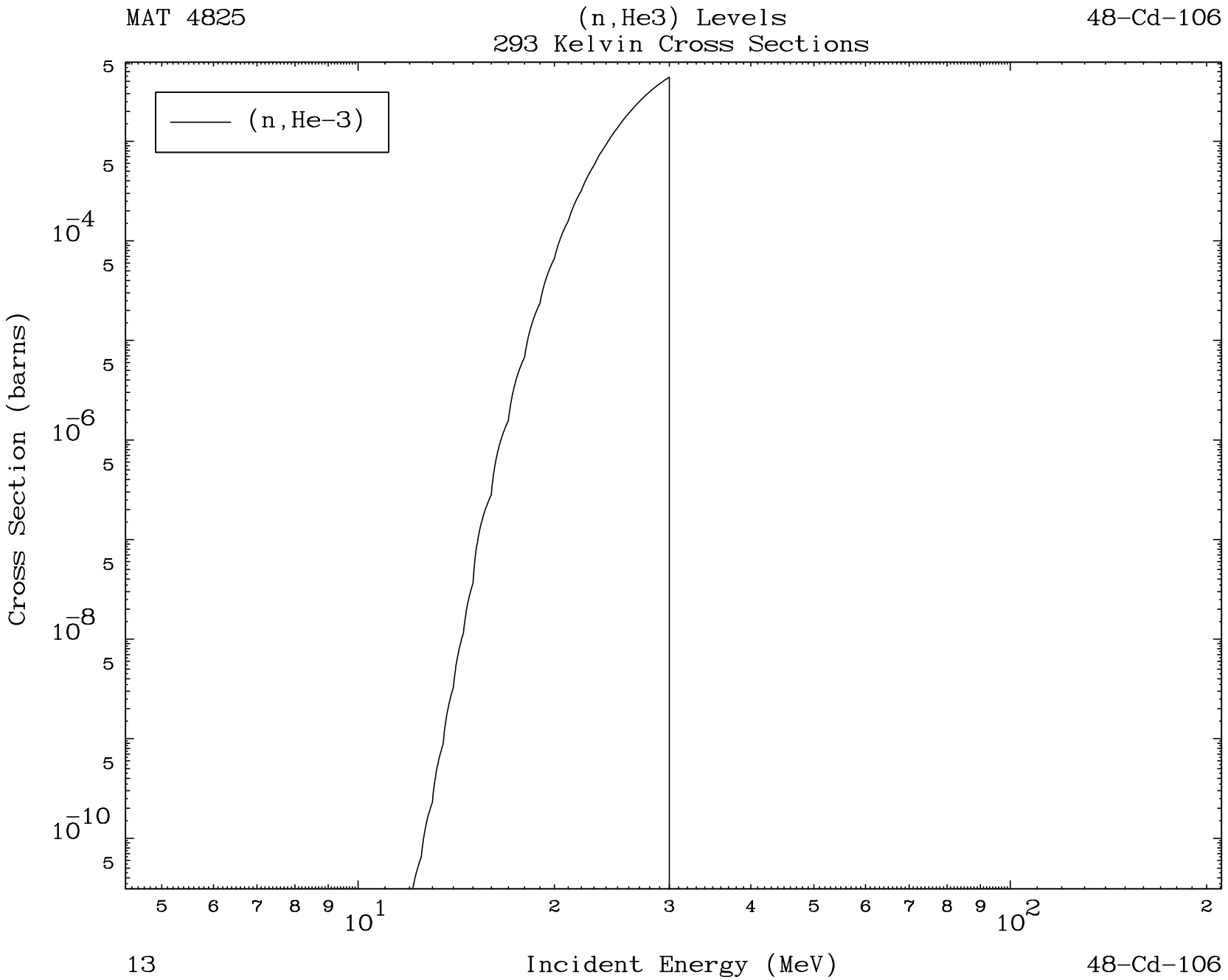

MAT 4825
(n,n') Level
293 Kelvin Cross Sections
48-Cd-106
Cross Section (barns)
Incident Energy (MeV)
2.339 MeV
2.348 MeV
2.371 MeV
2.378 MeV
2.468 MeV
2.486 MeV
2.492 MeV
2.503 MeV
2.522 MeV
2.561 MeV
2.566 MeV

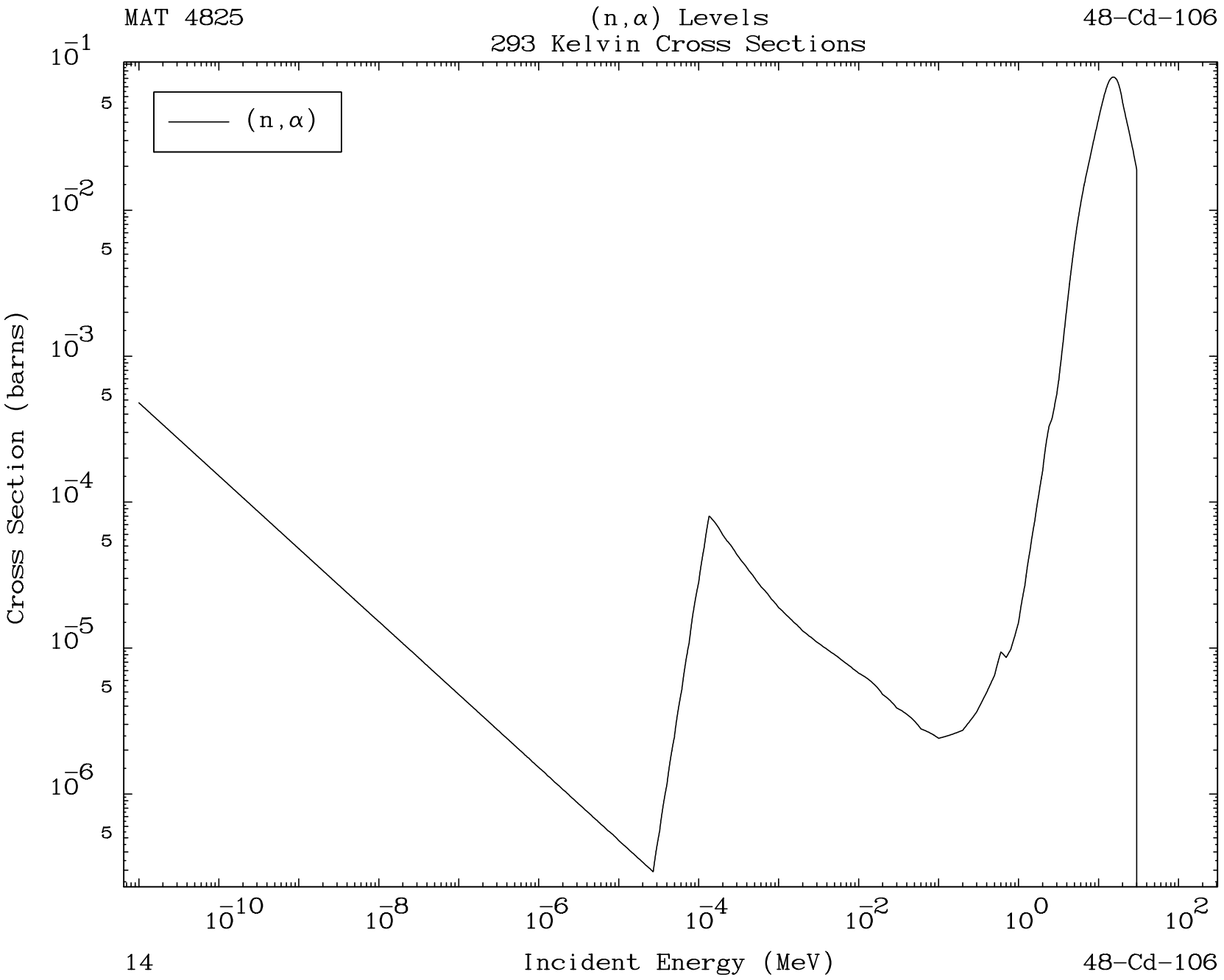

MAT 4825
(n,n') Level
293 Kelvin Cross Sections
48-Cd-106
2.629 MeV
2.674 MeV
2.718 MeV
2.721 MeV
2.825 MeV
2.890 MeV
2.918 MeV
2.920 MeV
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
48-Cd-106

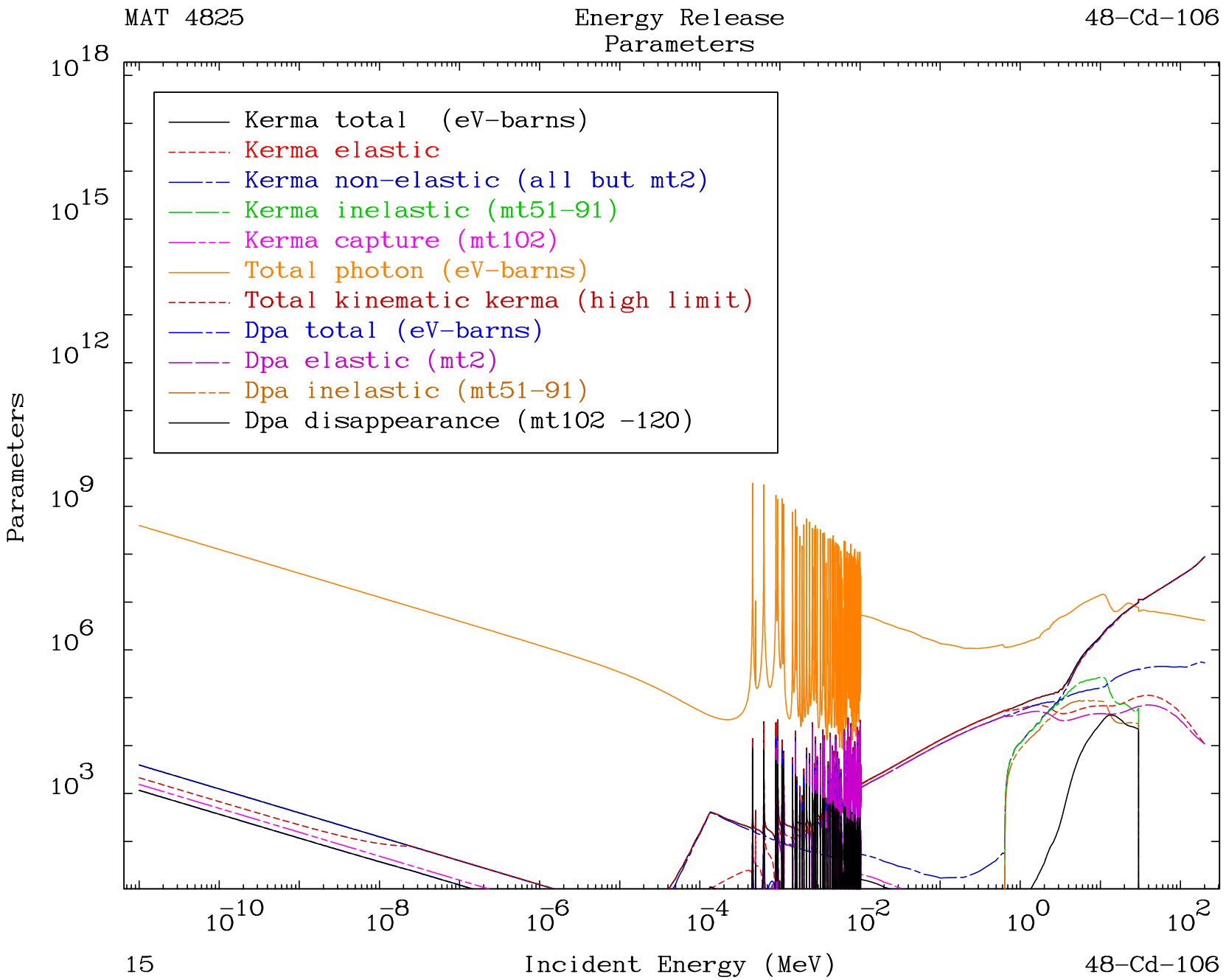

MAT 4825
(n,p) Levels
48-Cd-106
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
10
48-Cd-106

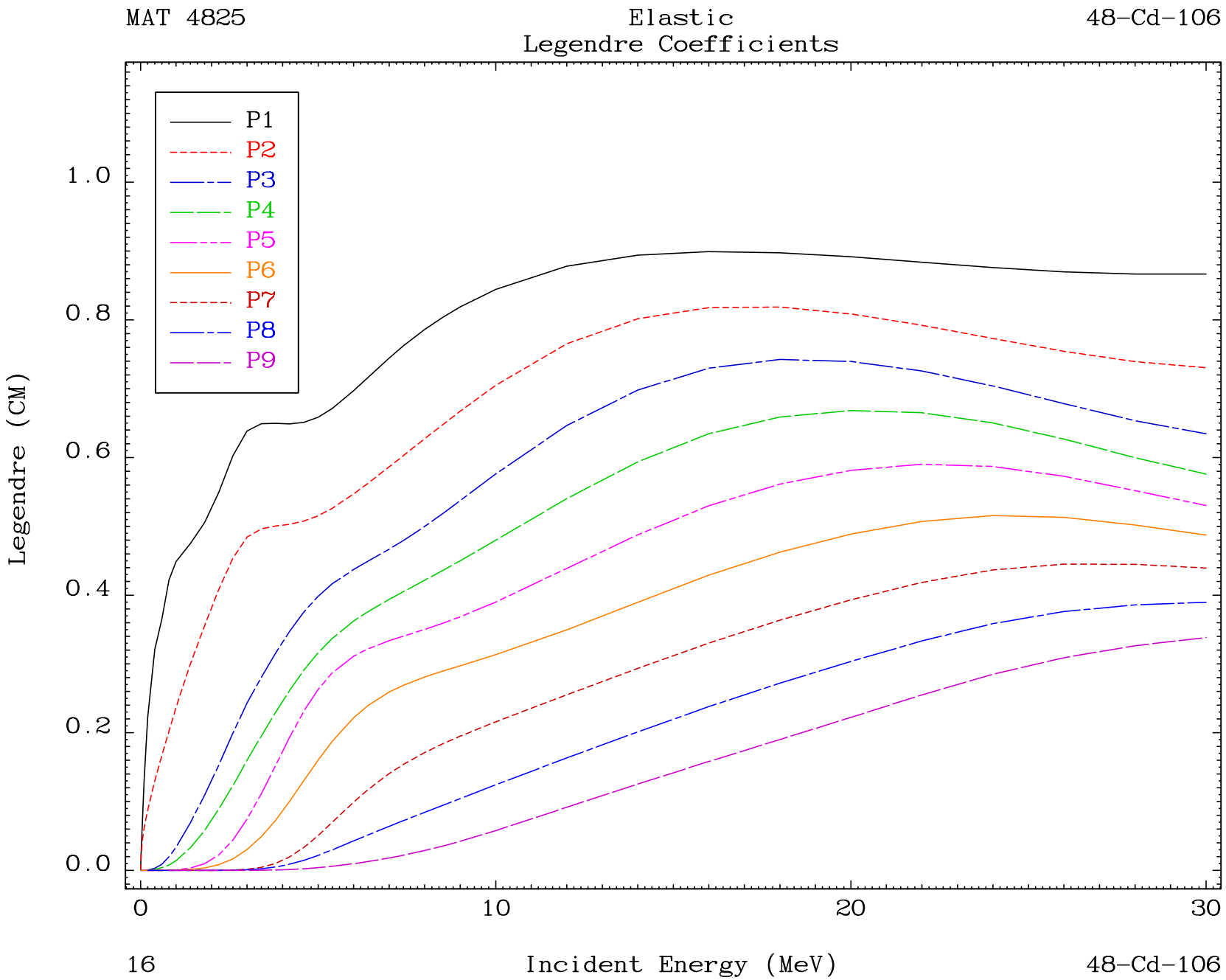

MAT 4825
(n,d) Levels
48-Cd-106
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5 6 7 8 9 101 2 3 4 5 6 7 8 9 102 2
11
Incident Energy (MeV)
48-Cd-106

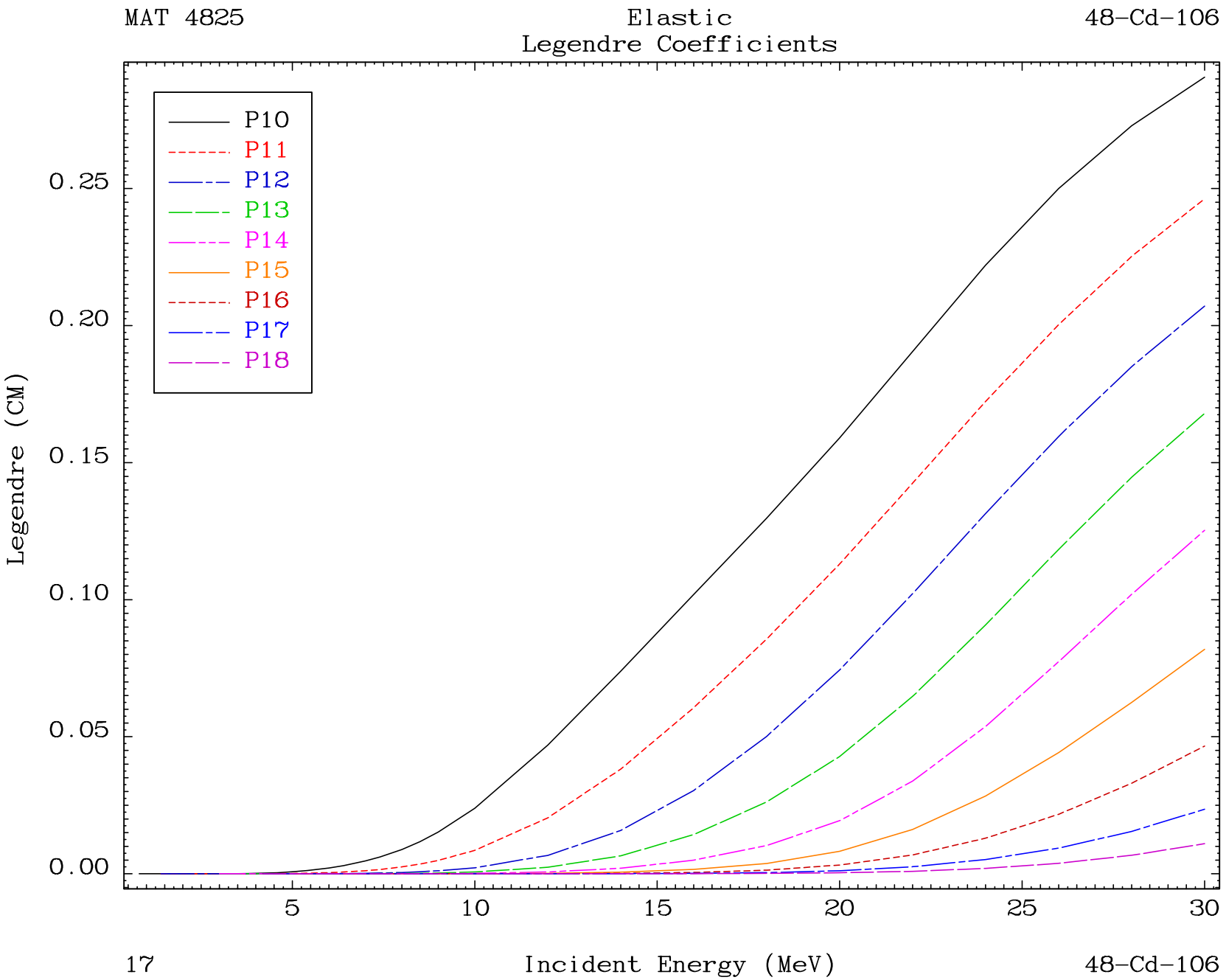

MAT 4825
(n,t) Levels
48-Cd-106
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-106

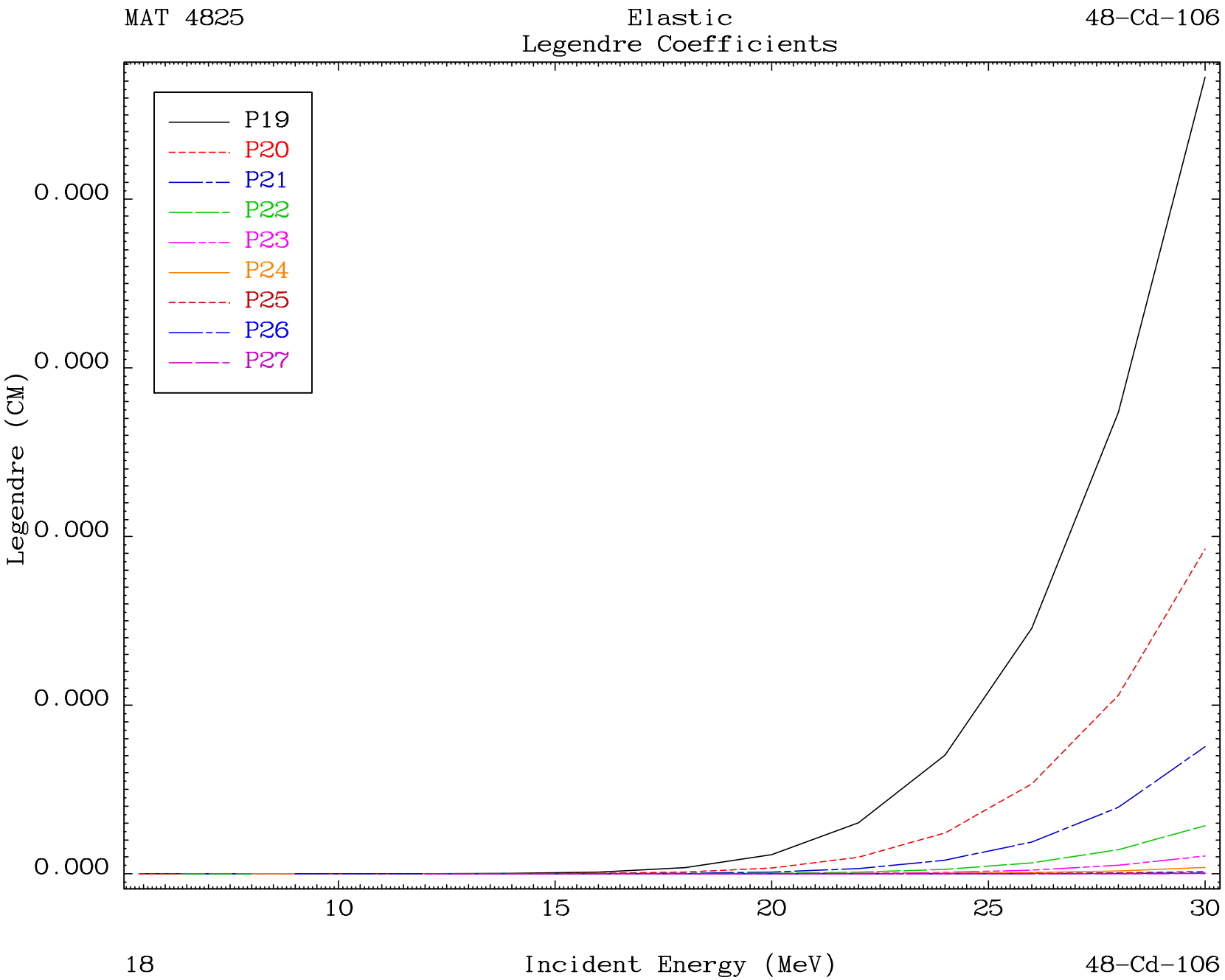

MAT 4825
(n,He3) Levels
48-Cd-106
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)
13
48-Cd-106

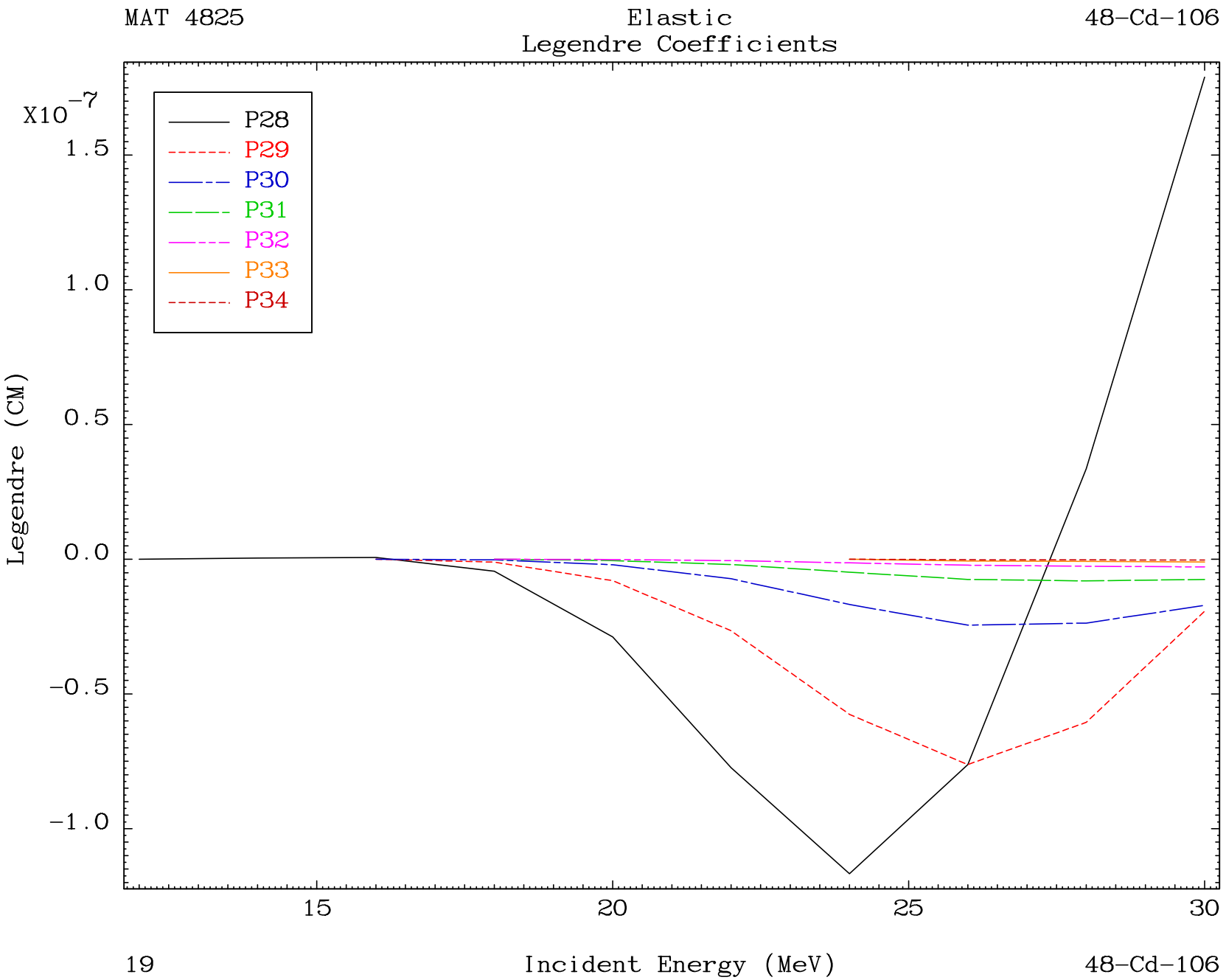

MAT 4825
(n,α) Levels
48-Cd-106
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-106

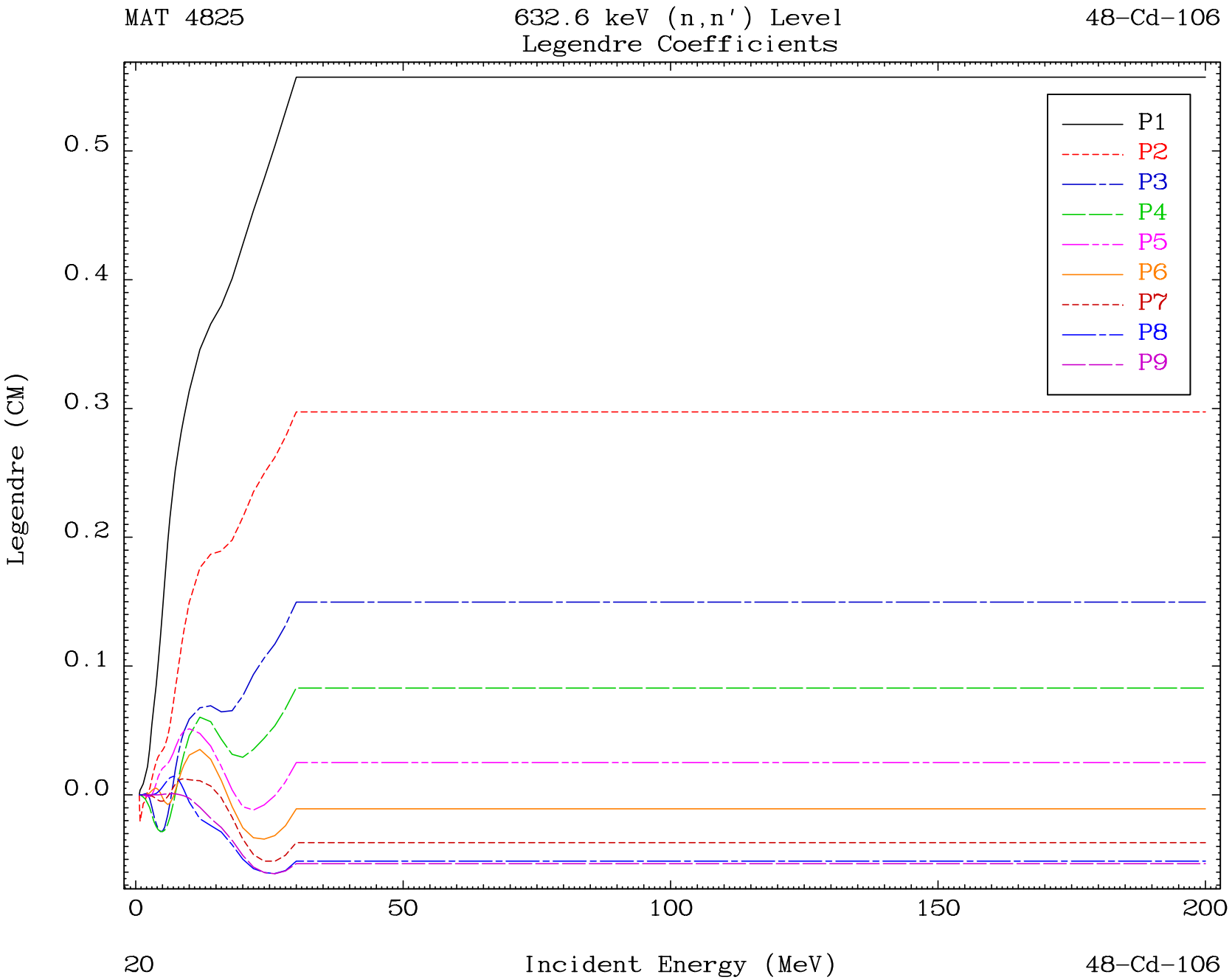

MAT 4825
Energy Release
Parameters
48-Cd-106
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
Incident Energy (MeV)
15
48-Cd-106

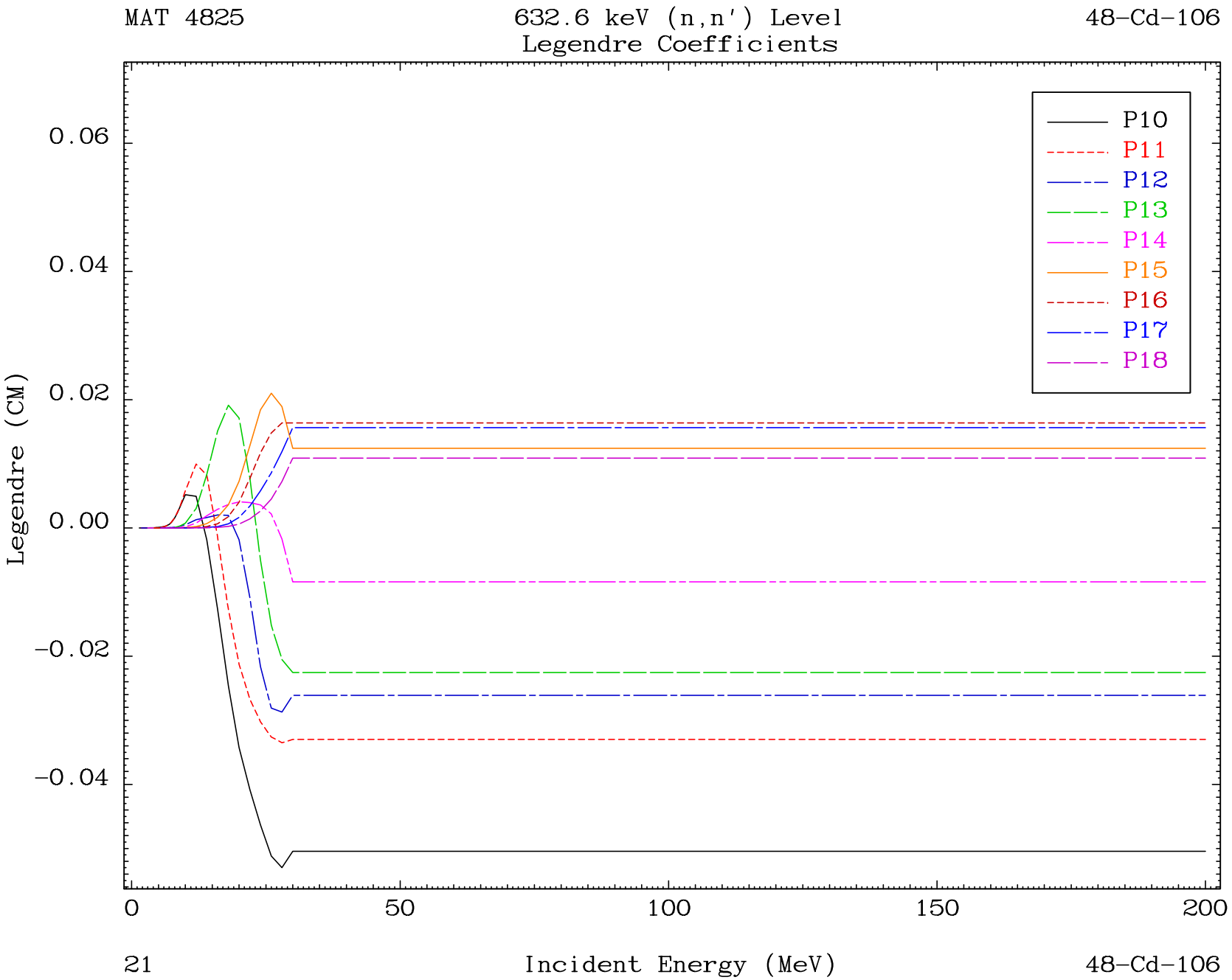

MAT 4825
Elastic
Legendre Coefficients
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
16
Incident Energy (MeV)
48-Cd-106

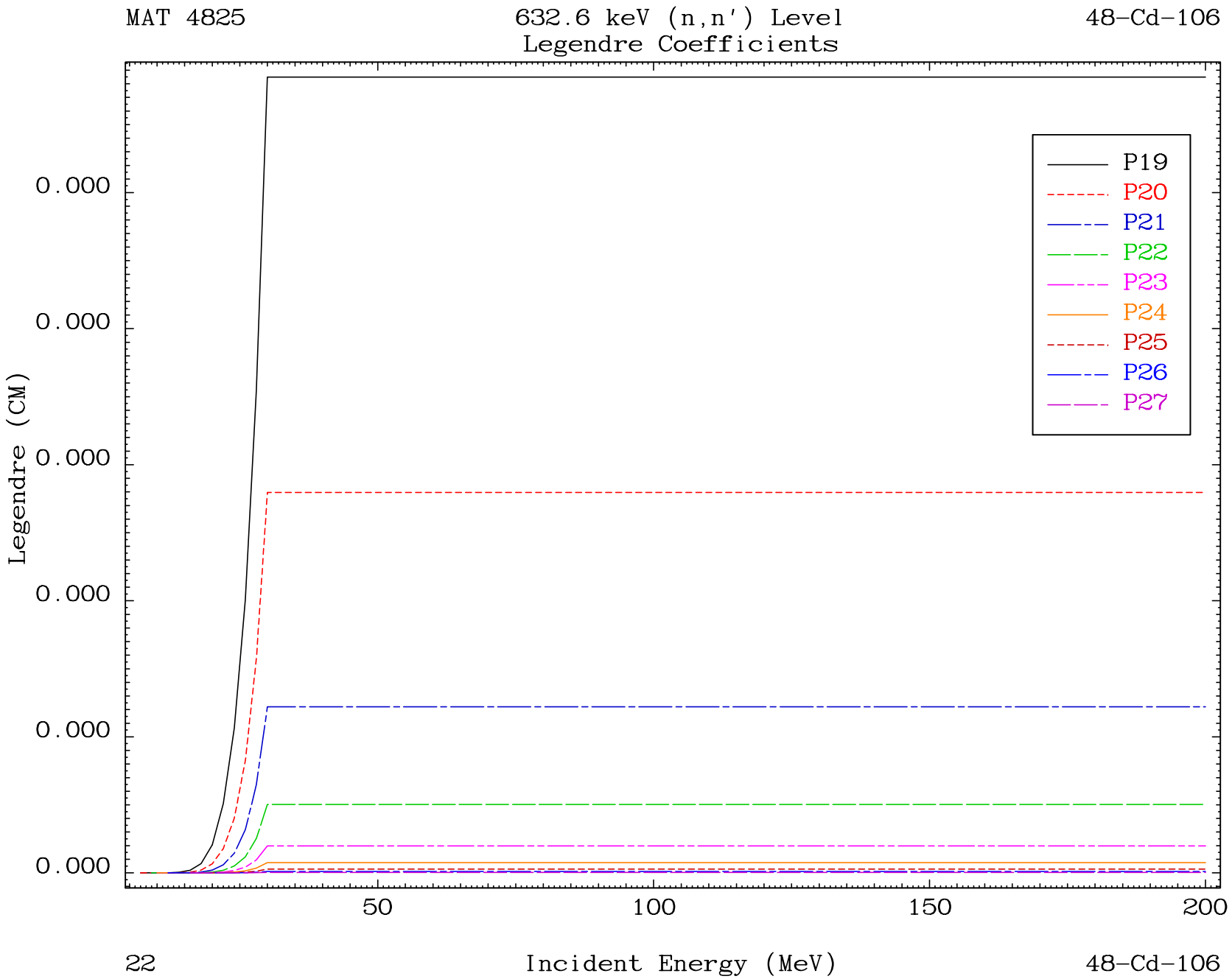

MAT 4825
Elastic
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
5
10
15
20
25
30
17
Incident Energy (MeV)
48-Cd-106

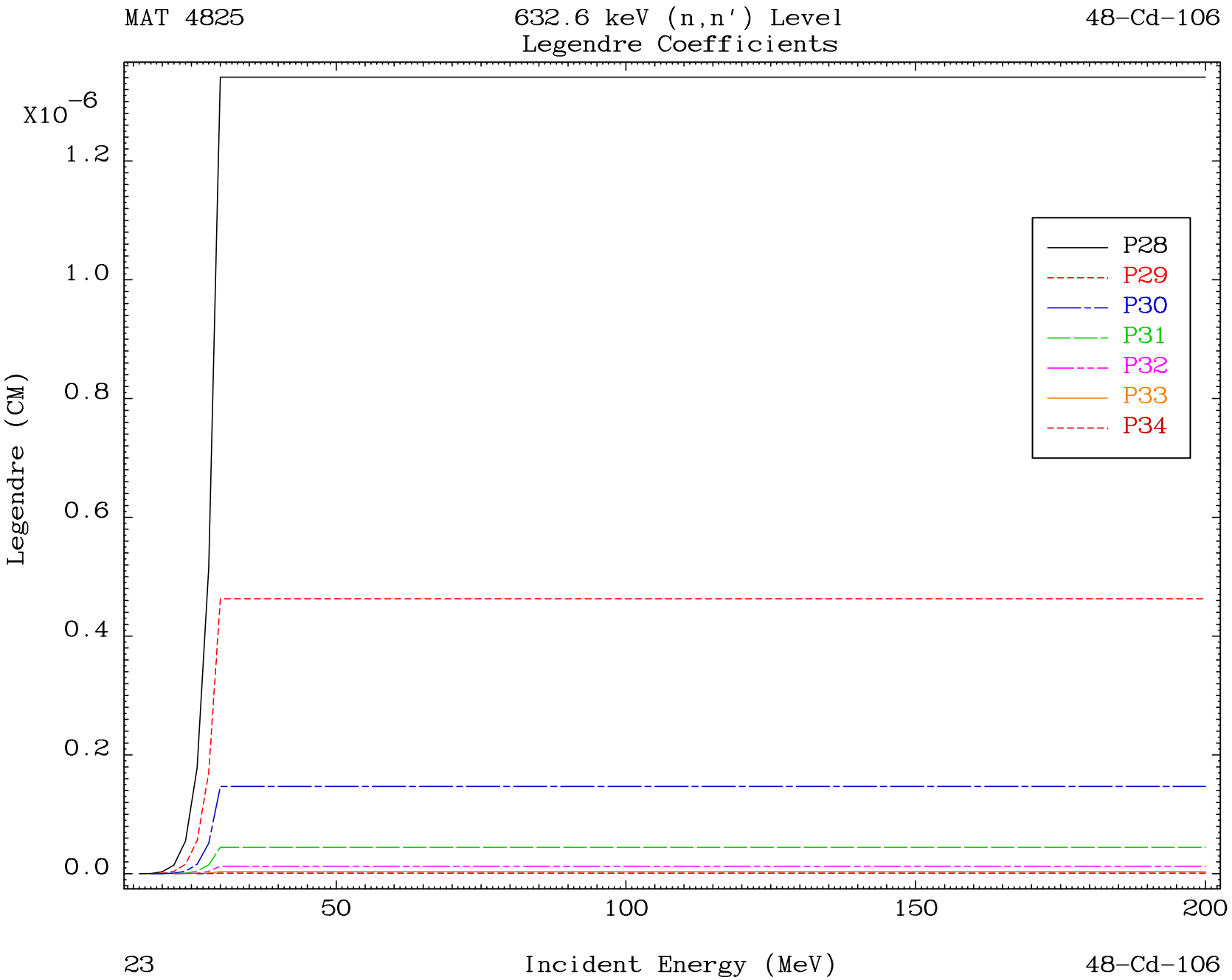

MAT 4825
Elastic
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
48-Cd-106

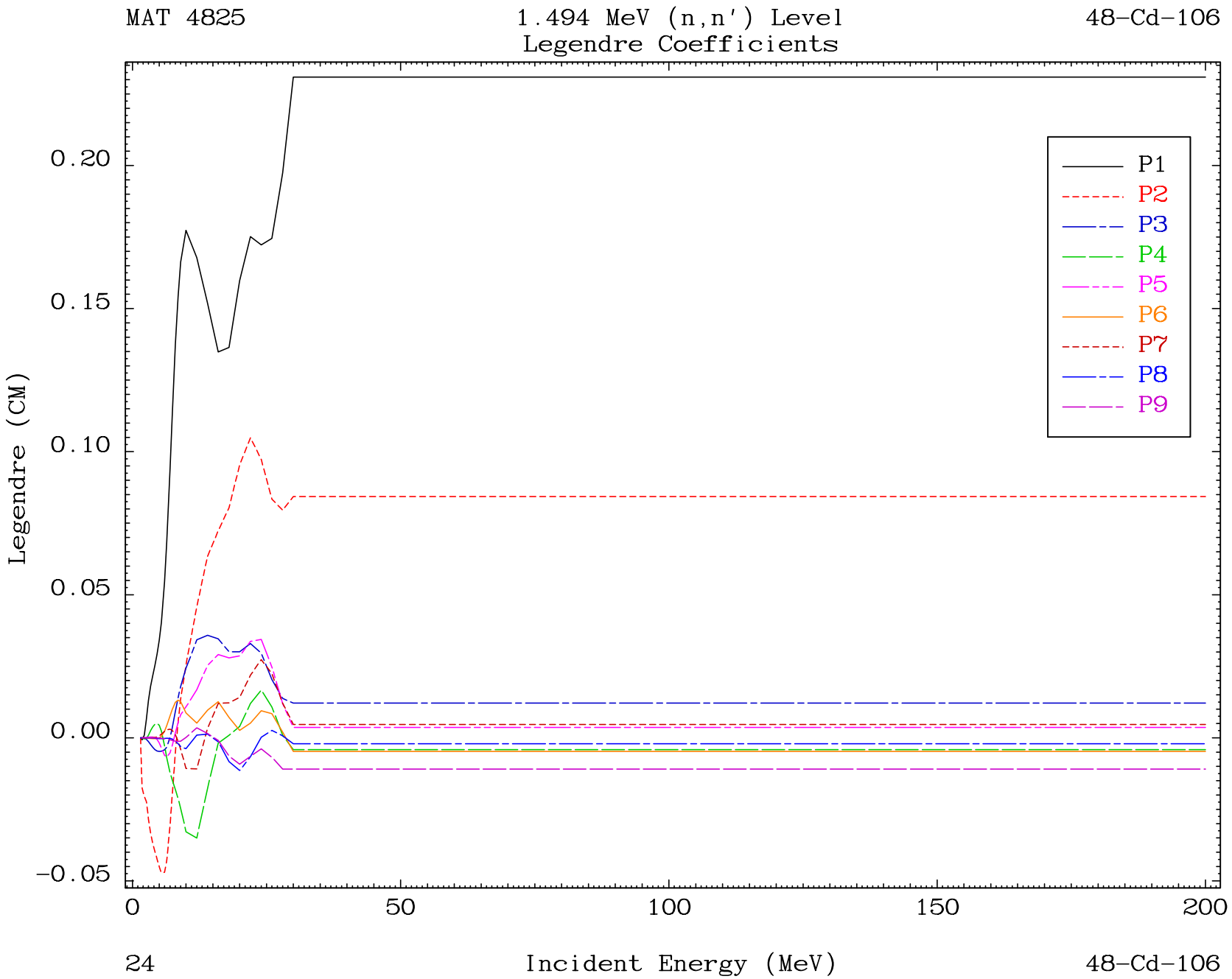

MAT 4825
Elastic
Legendre Coefficients
48-Cd-106
X10 −7
1.5
1.0
0.5
0.0
−0.5
−1.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
19
Incident Energy (MeV)
48-Cd-106

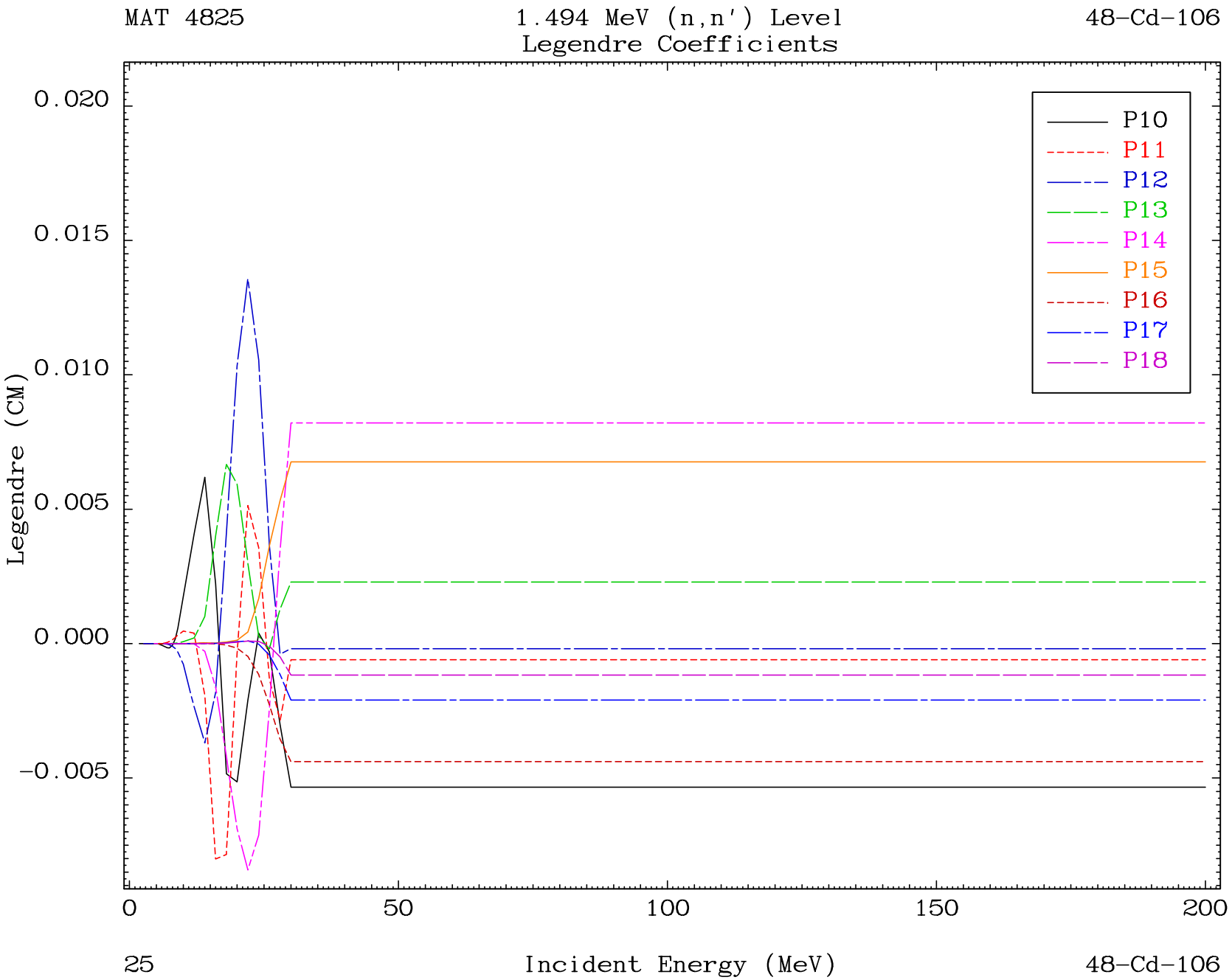

MAT 4825
632.6 keV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
20
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

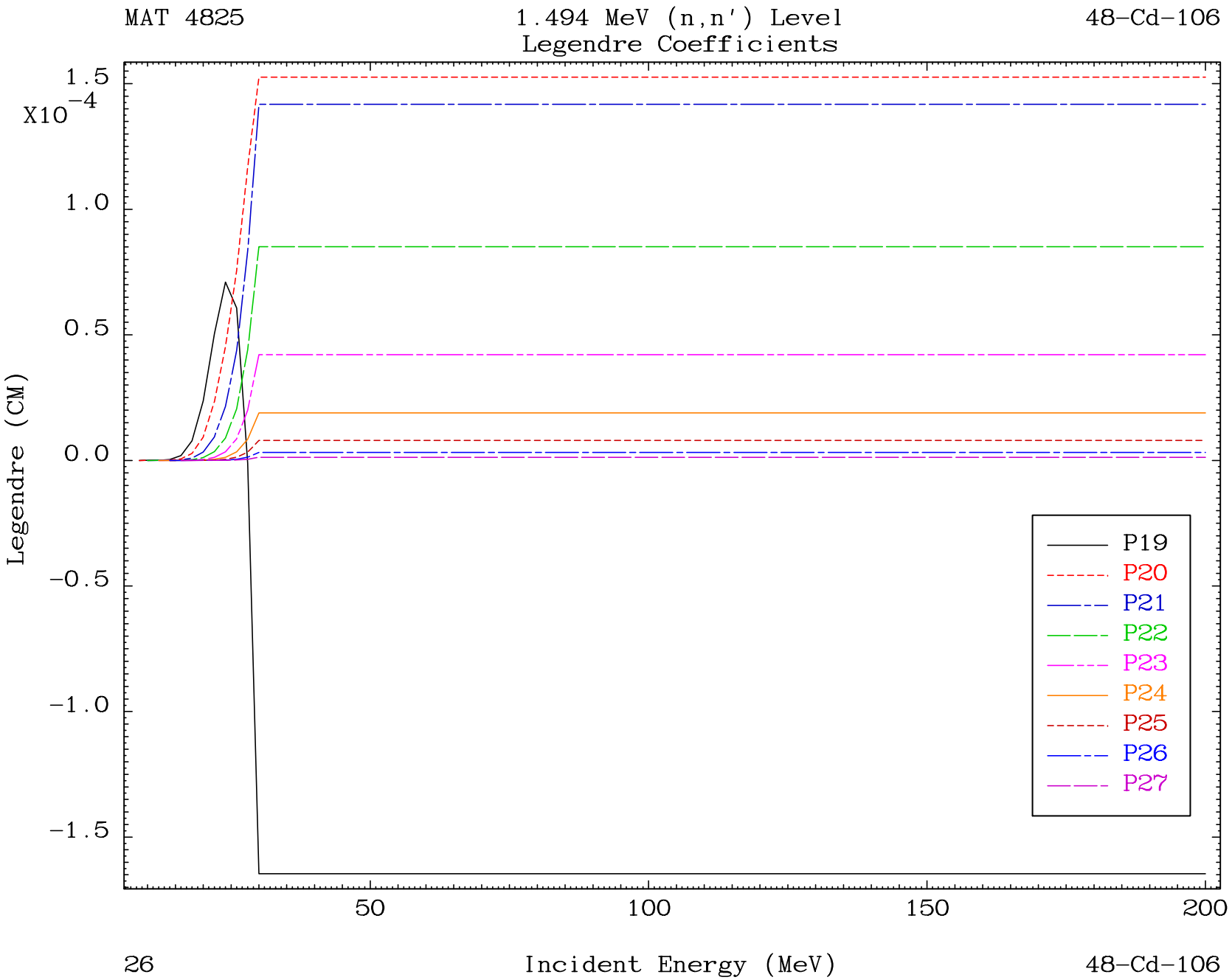

MAT 4825
632.6 keV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
48-Cd-106

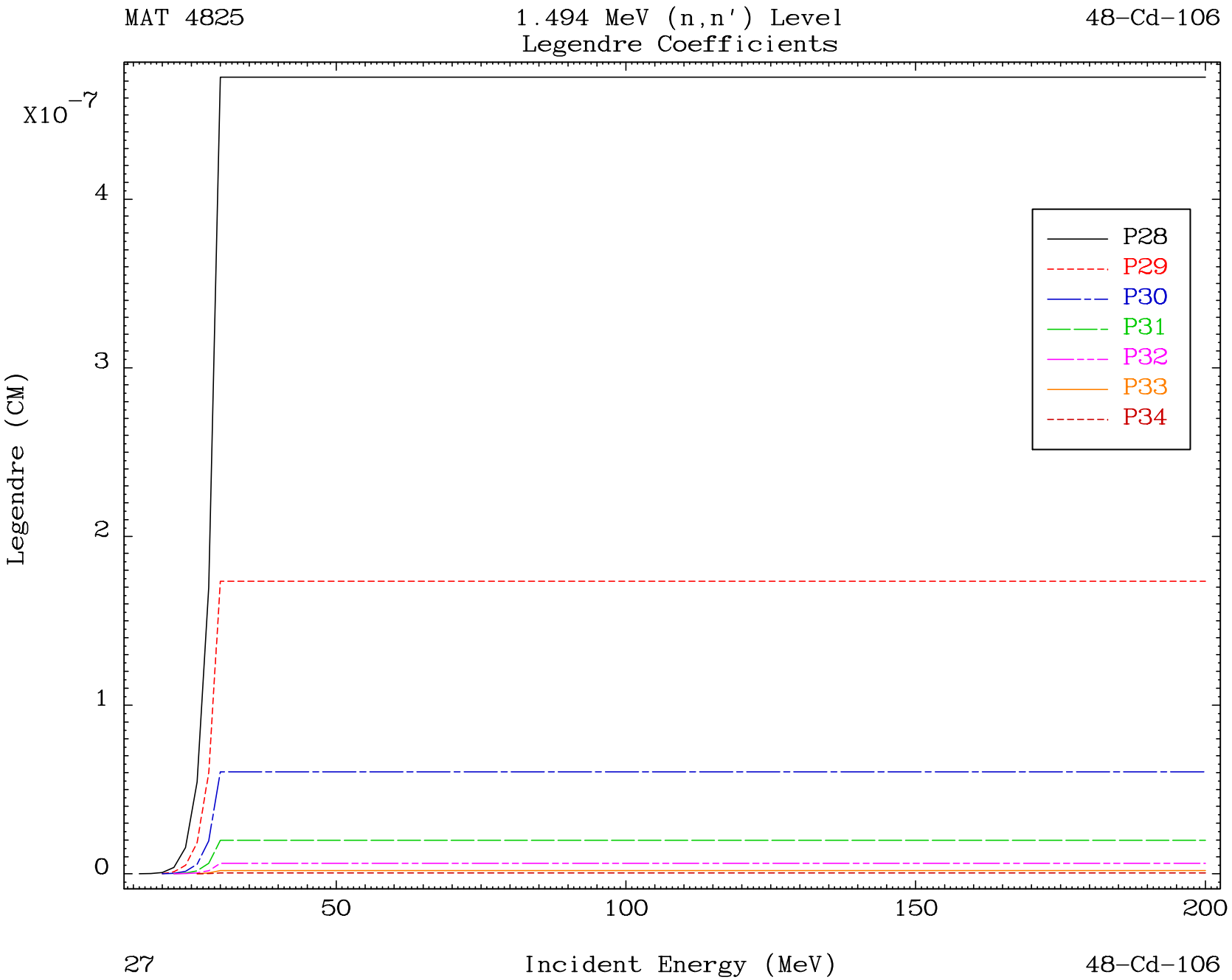

MAT 4825
632.6 keV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
48-Cd-106

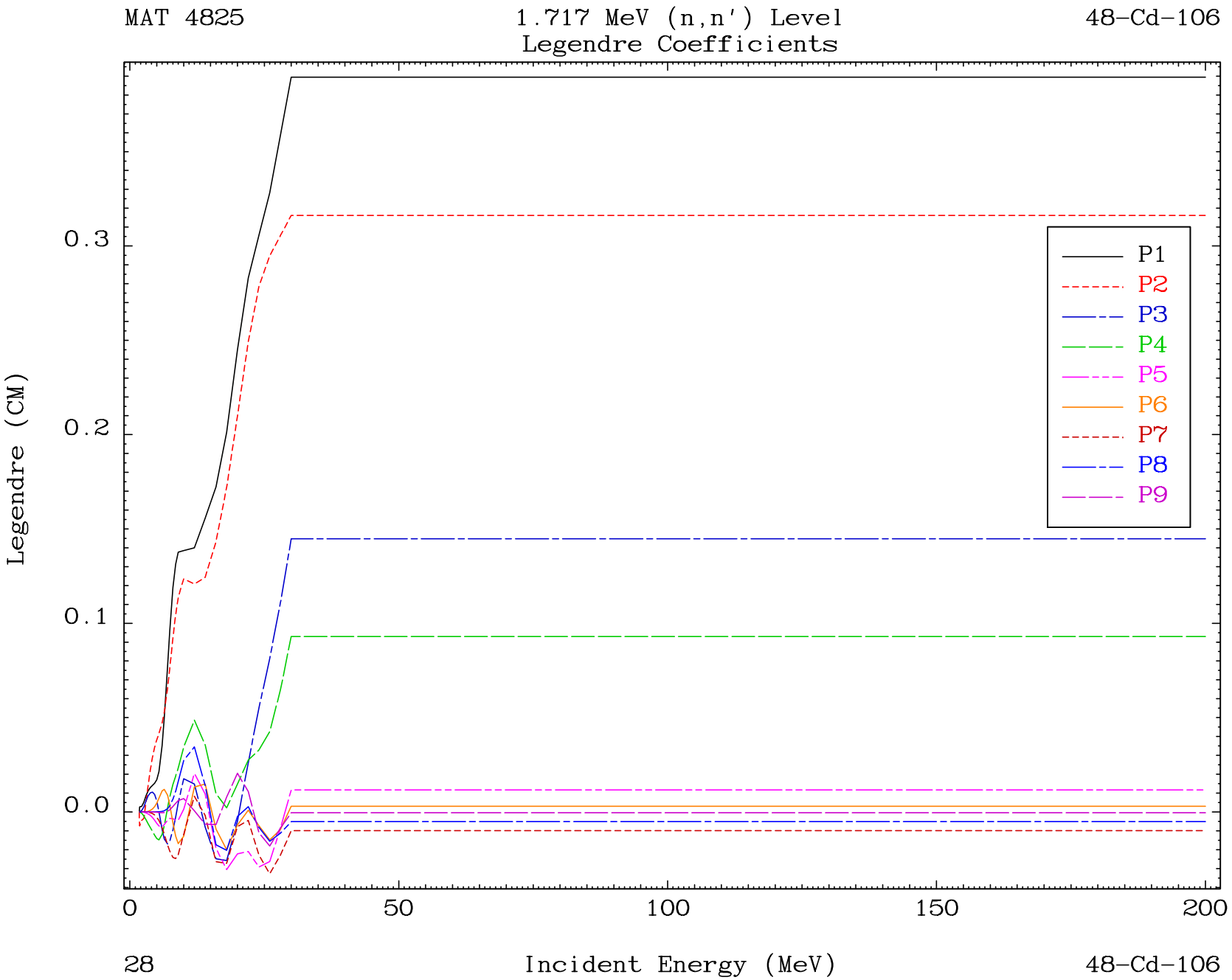

MAT 4825
632.6 keV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
23
Incident Energy (MeV)
48-Cd-106

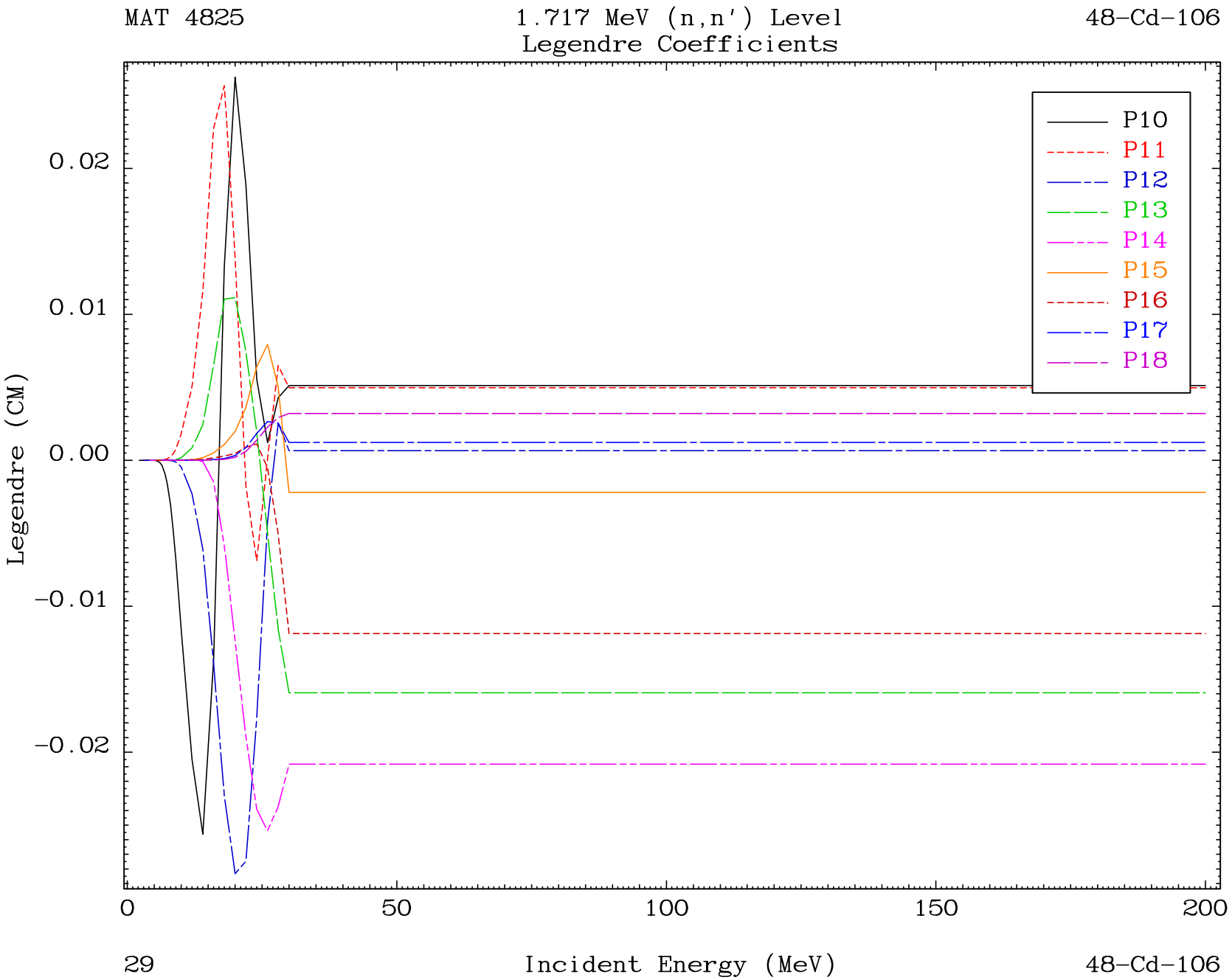

MAT 4825
1.494 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
Incident Energy (MeV)
24
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

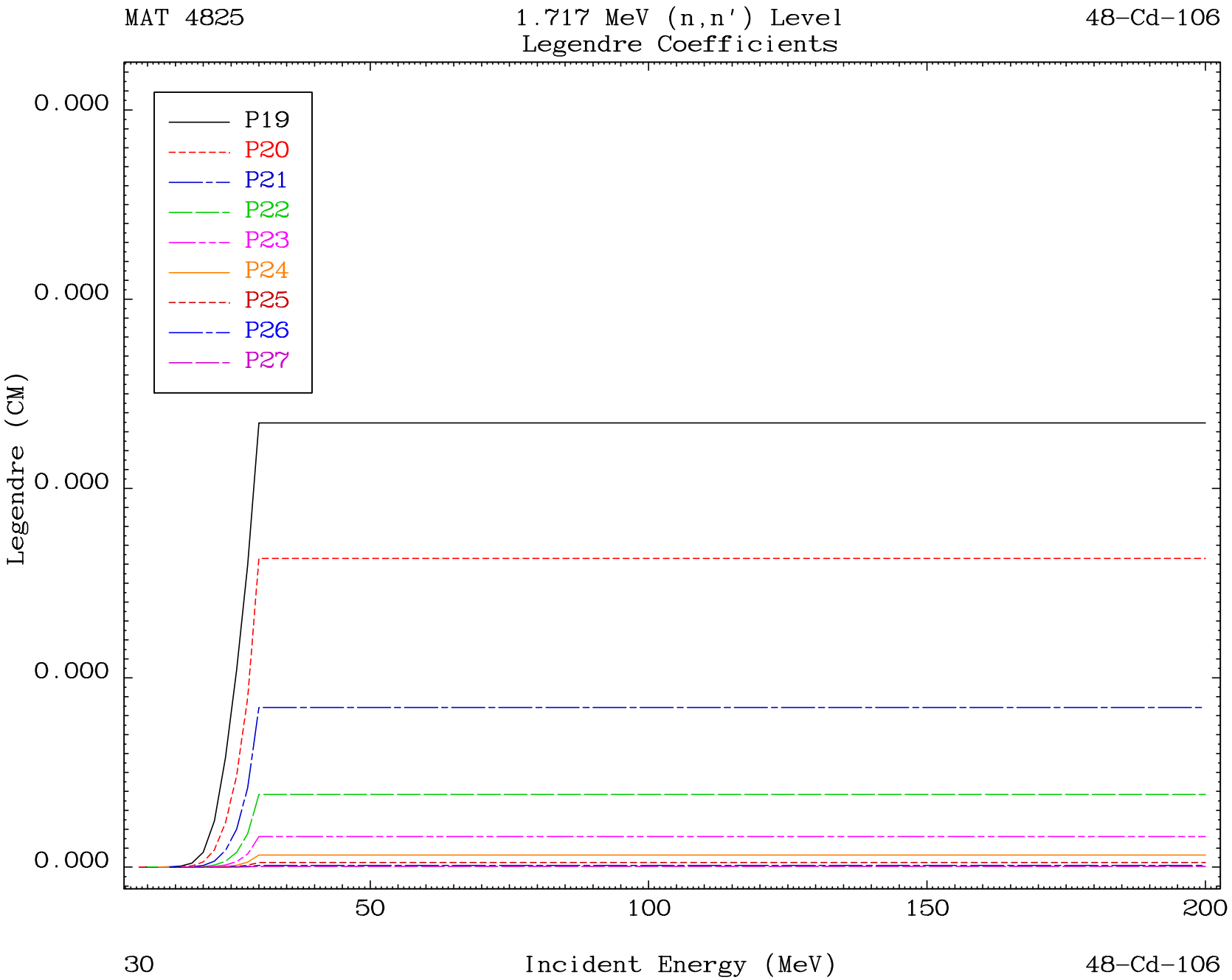

MAT 4825
1.494 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
25
Incident Energy (MeV)
48-Cd-106

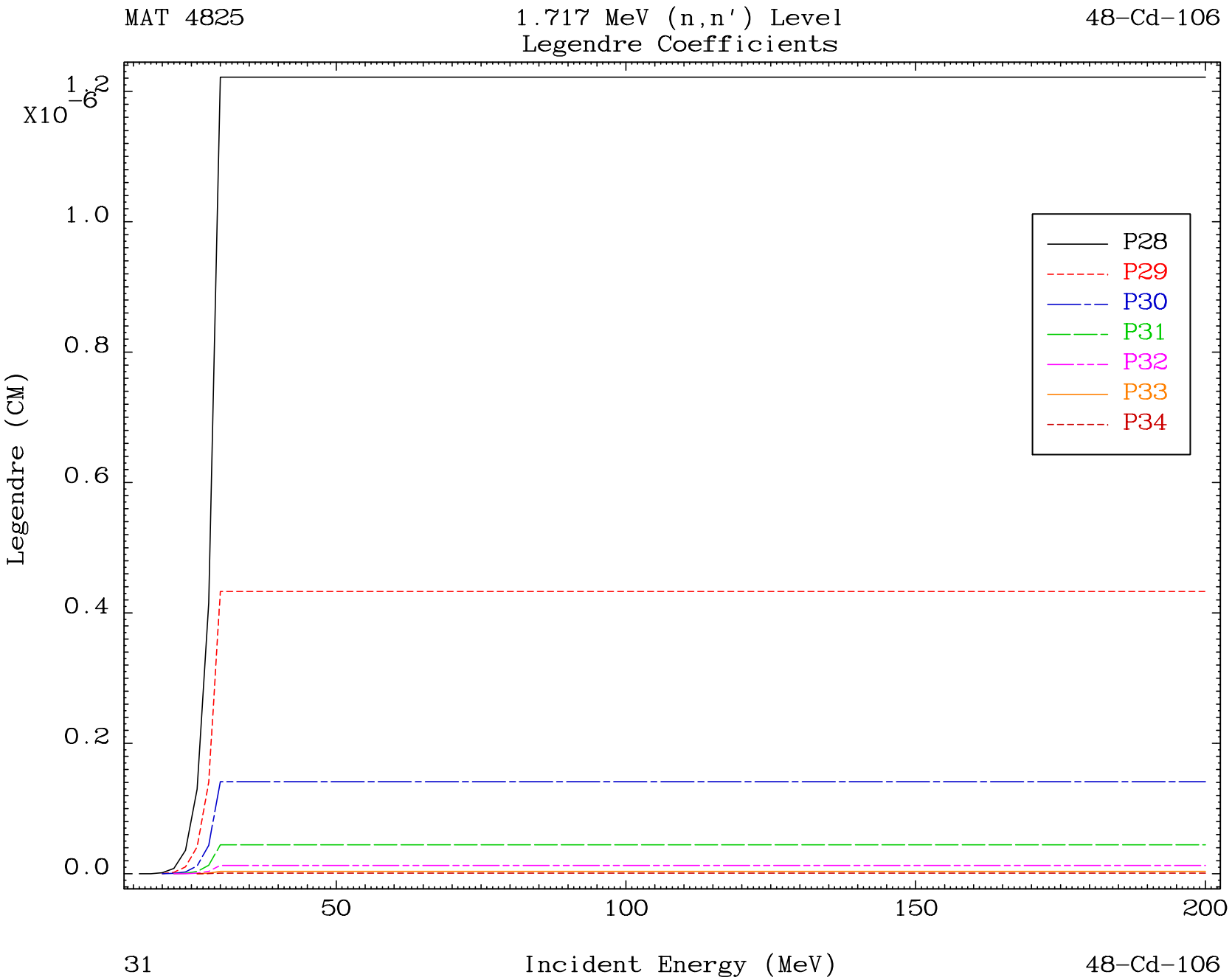

MAT 4825
1.494 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10 −4
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
26
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

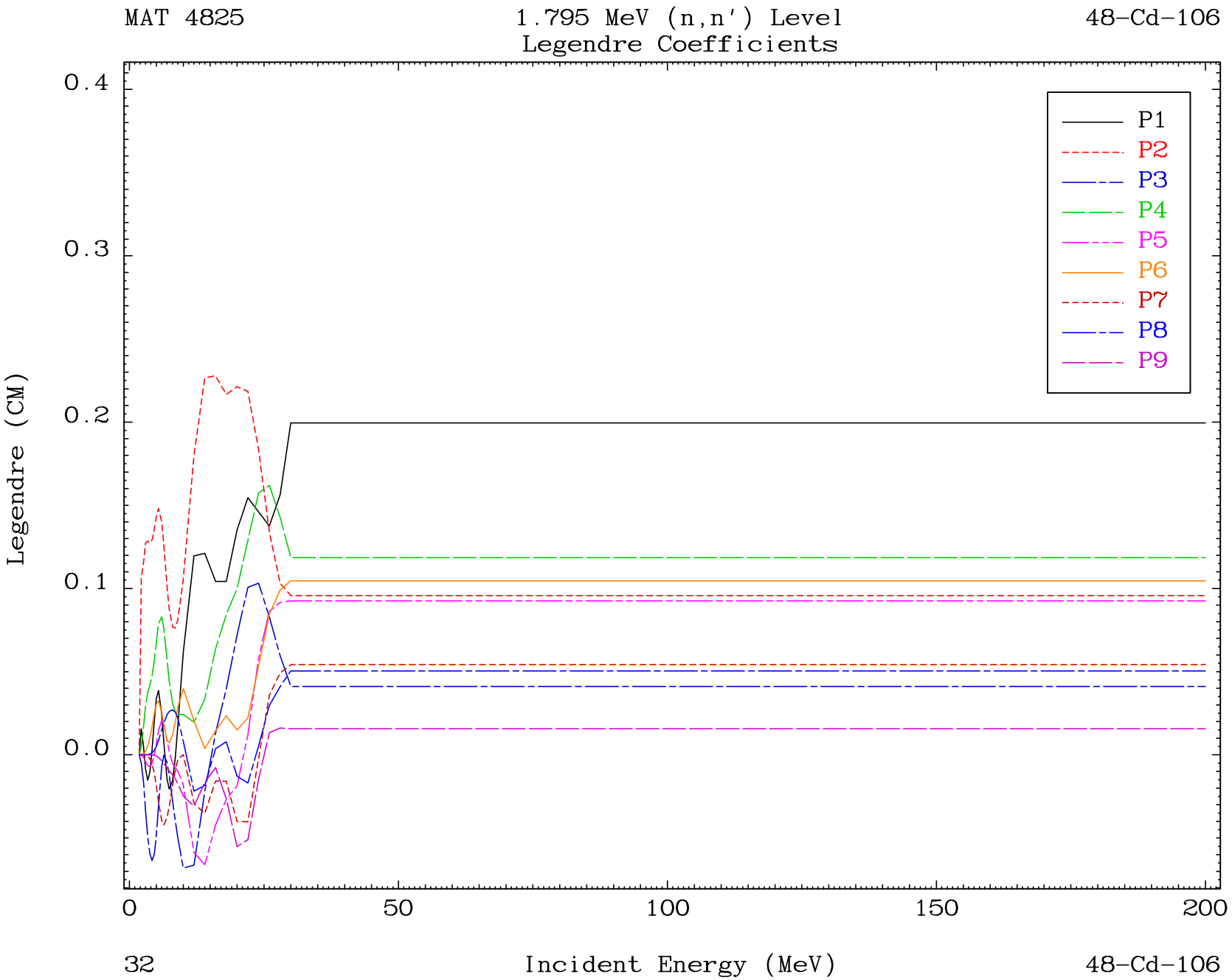

MAT 4825
1.494 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
27
Incident Energy (MeV)
48-Cd-106

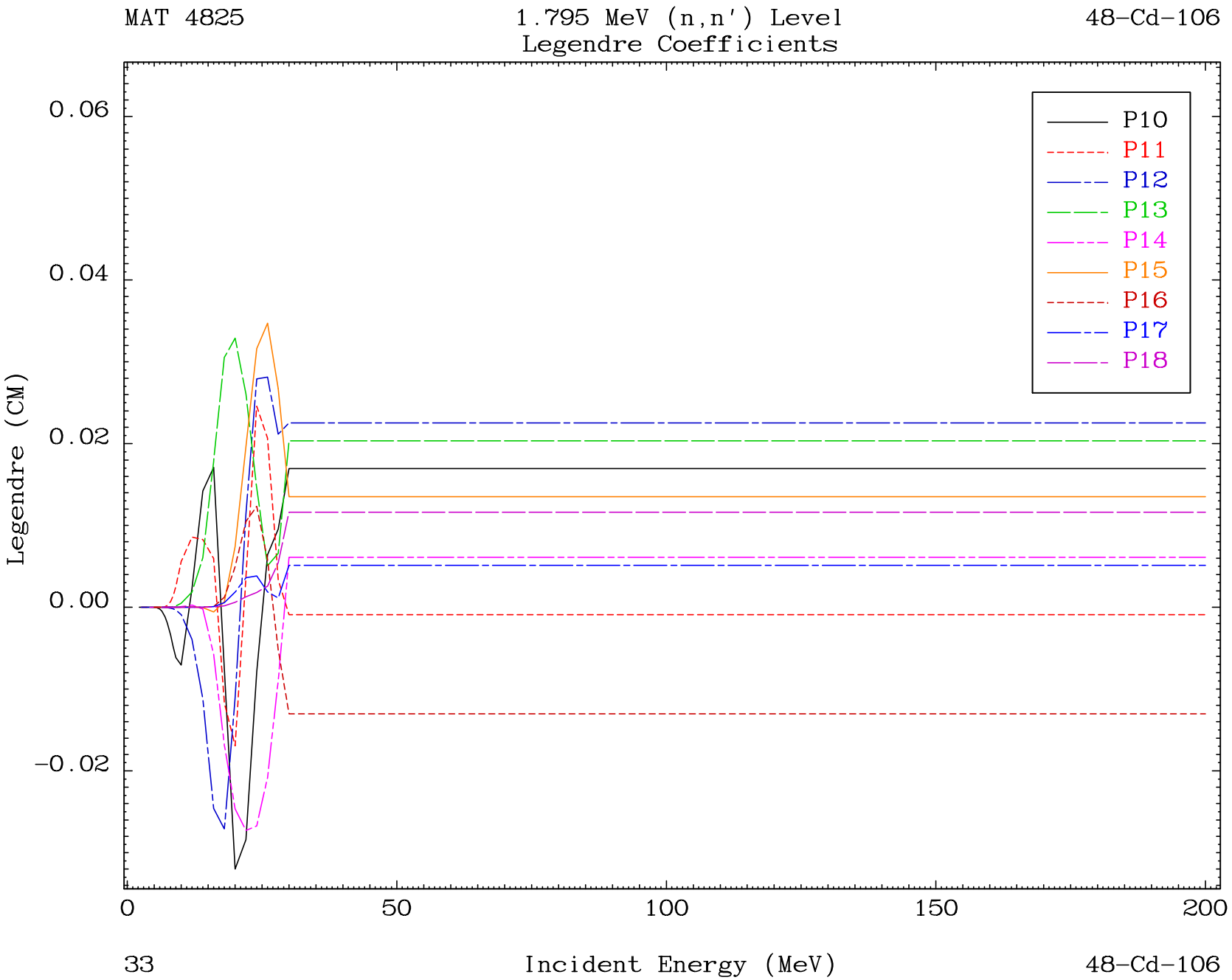

MAT 4825
1.717 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
28
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

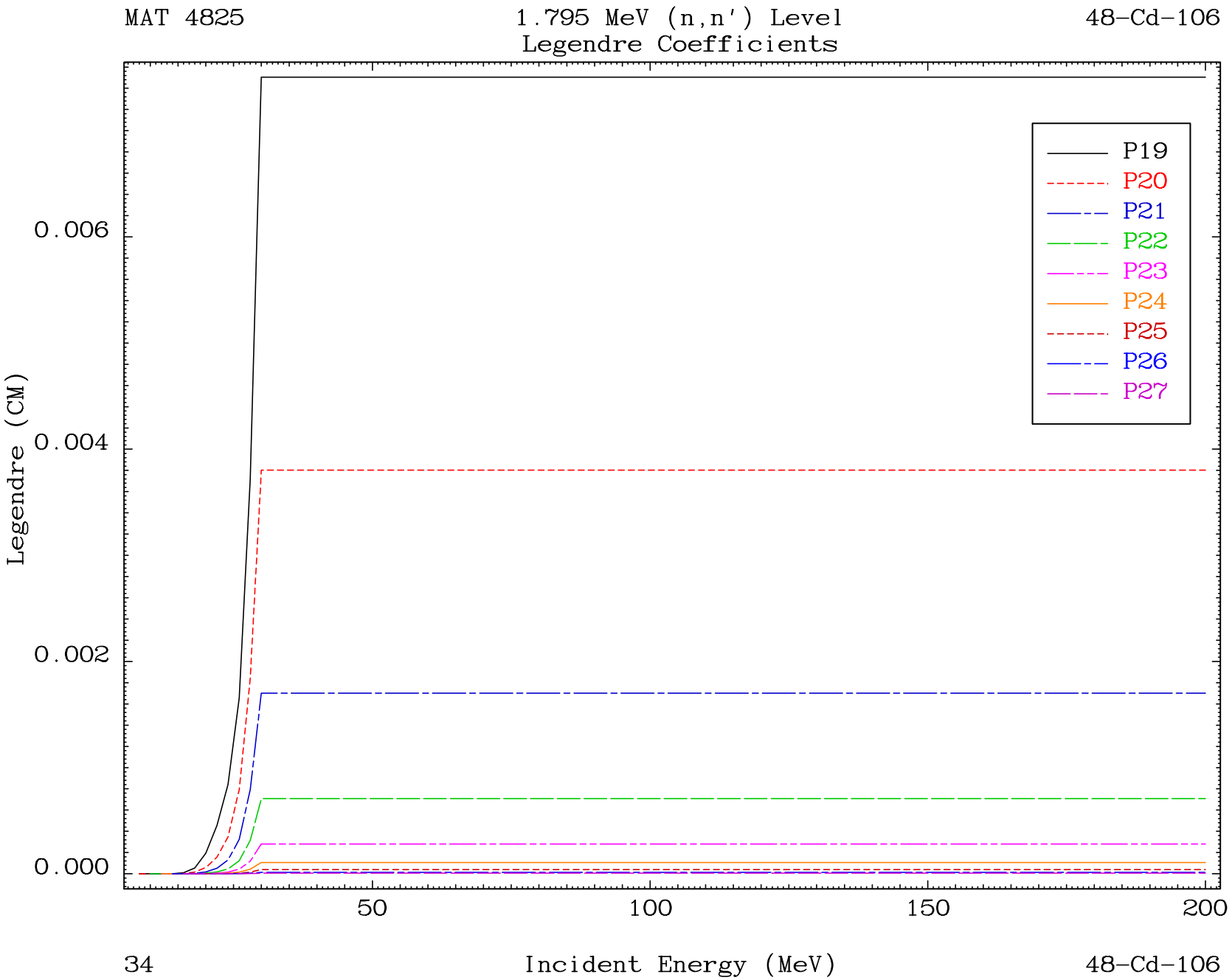

MAT 4825
1.717 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
48-Cd-106

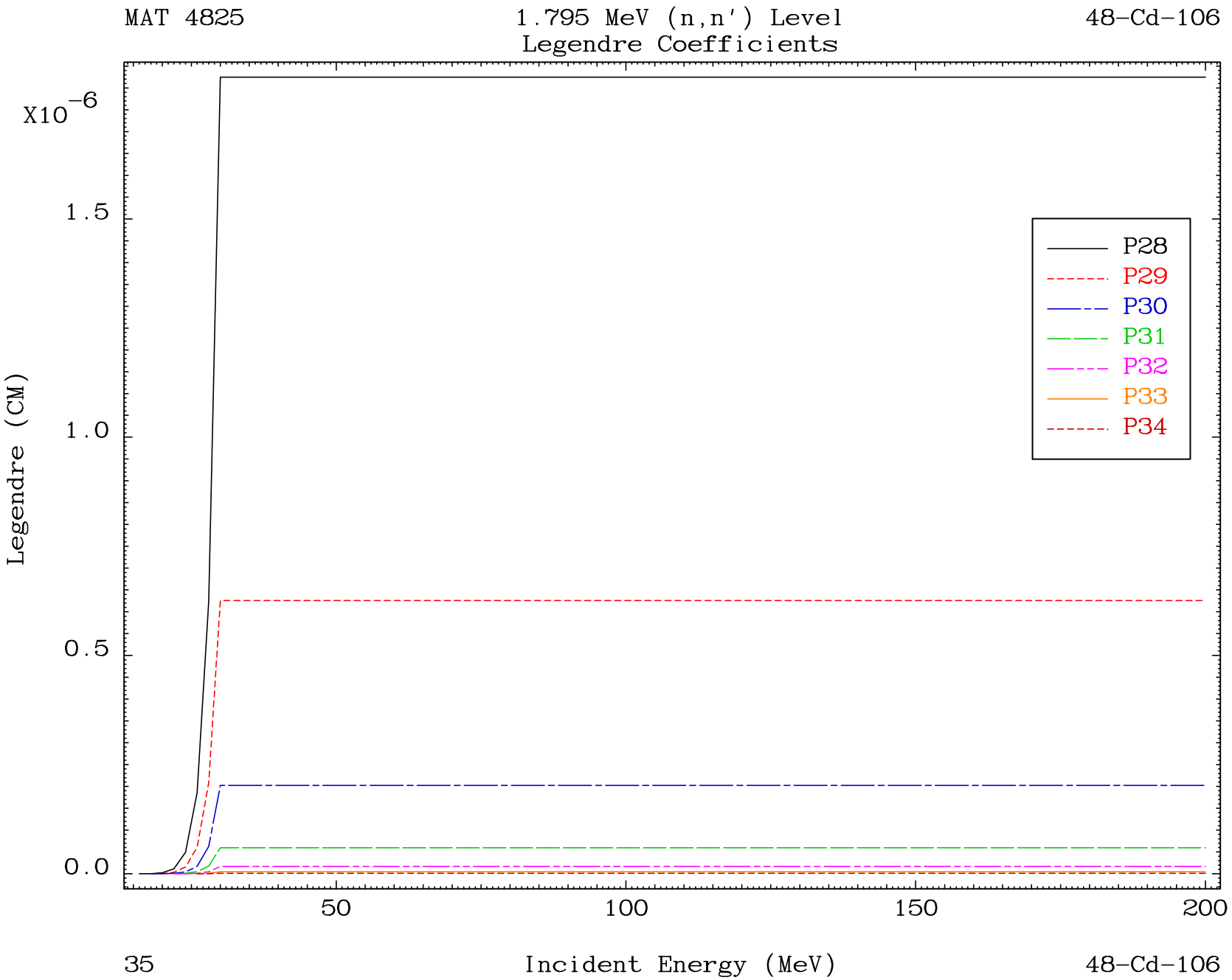

MAT 4825
1.717 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
30
50
100
150
200
Incident Energy (MeV)
48-Cd-106

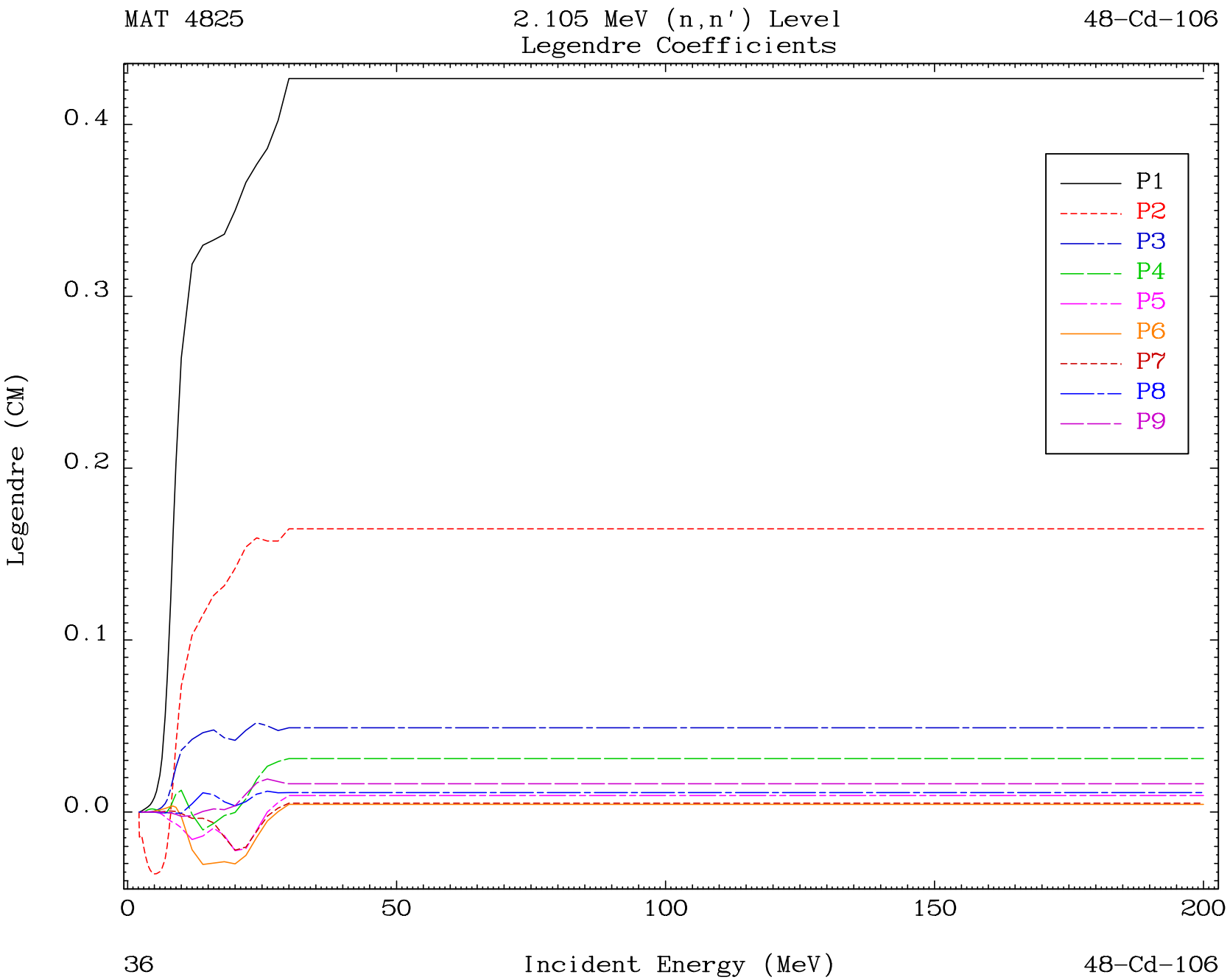

MAT 4825
1.717 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10 -6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
31
Incident Energy (MeV)
48-Cd-106

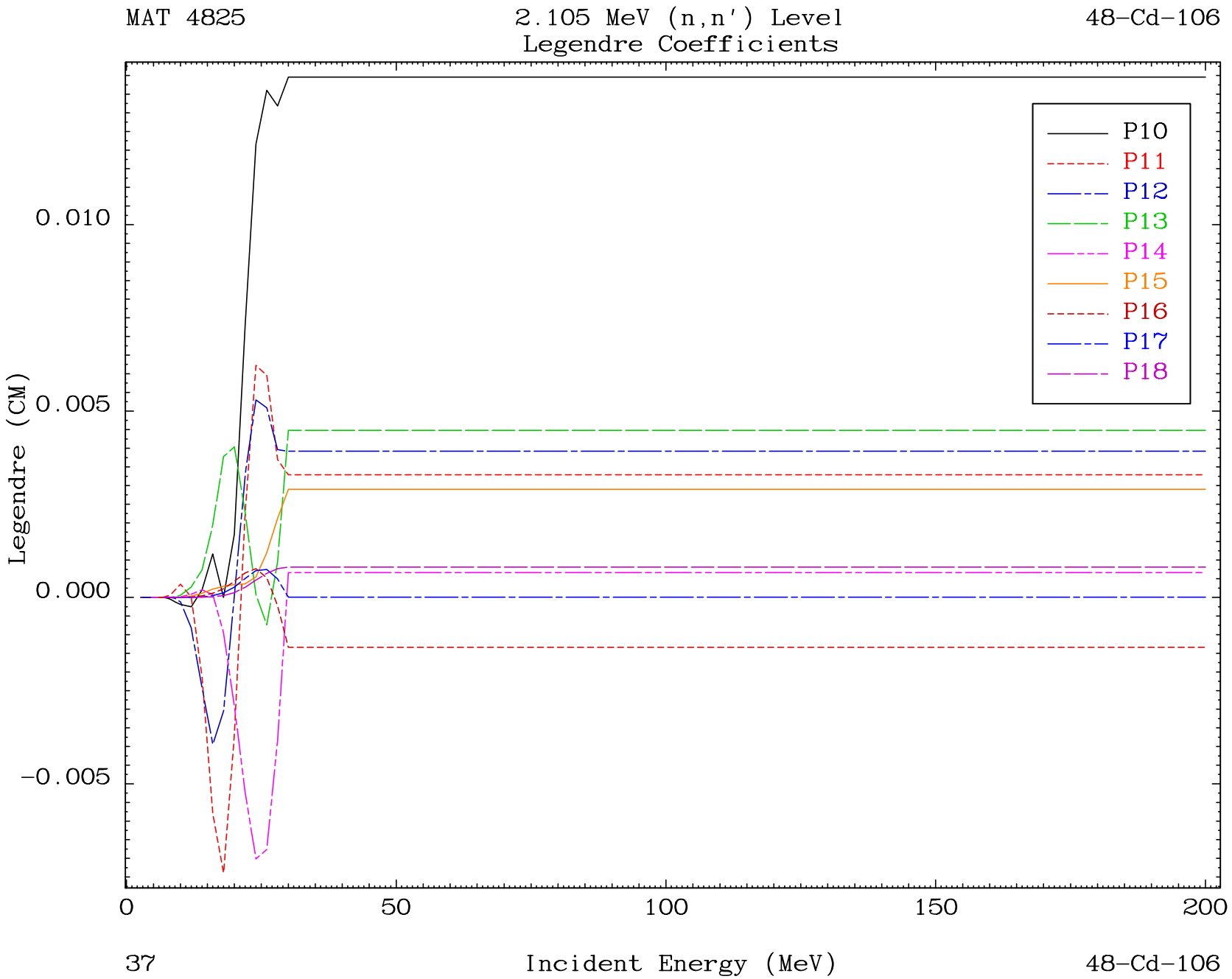

MAT 4825
1.795 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
32
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

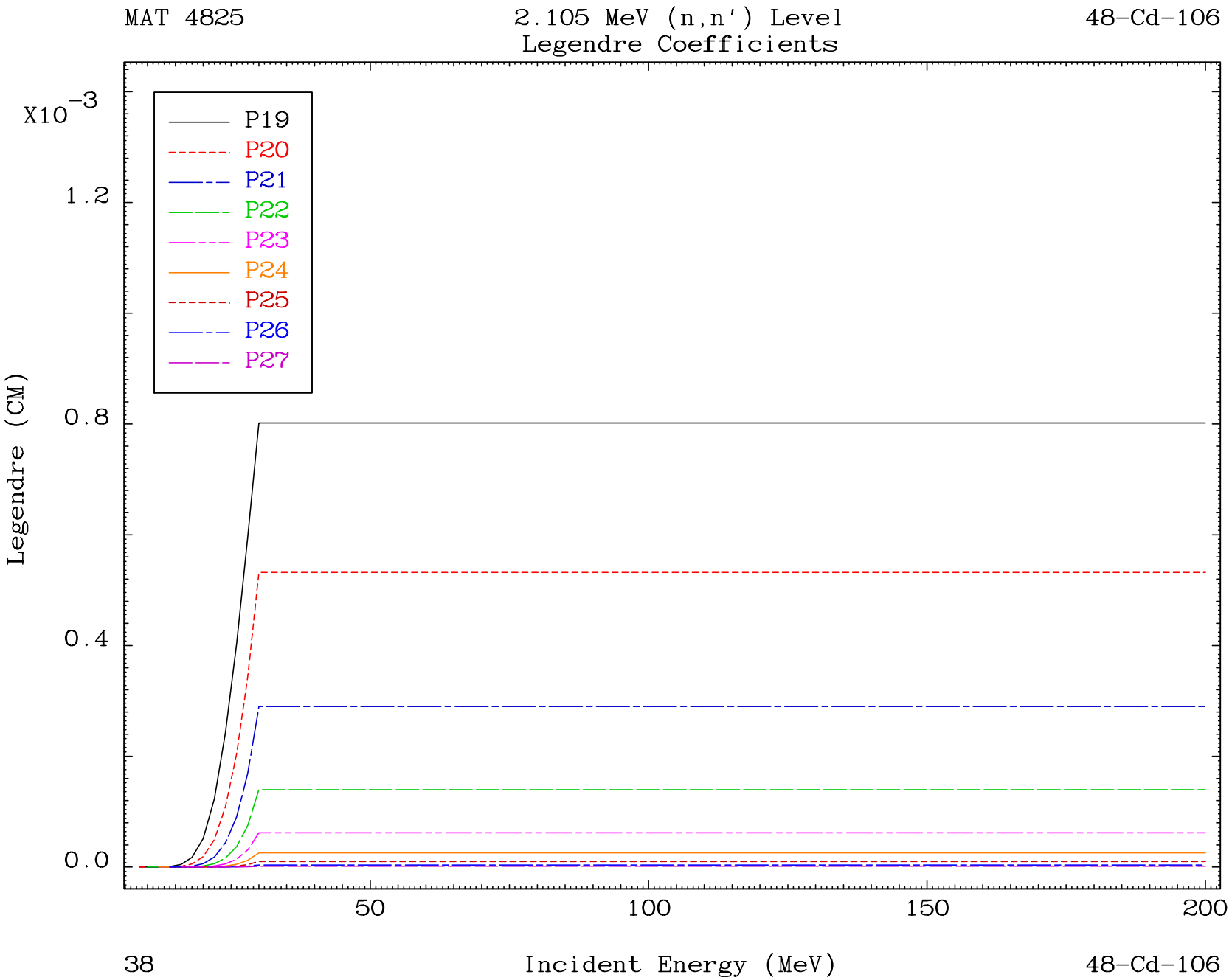

MAT 4825
1.795 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
48-Cd-106

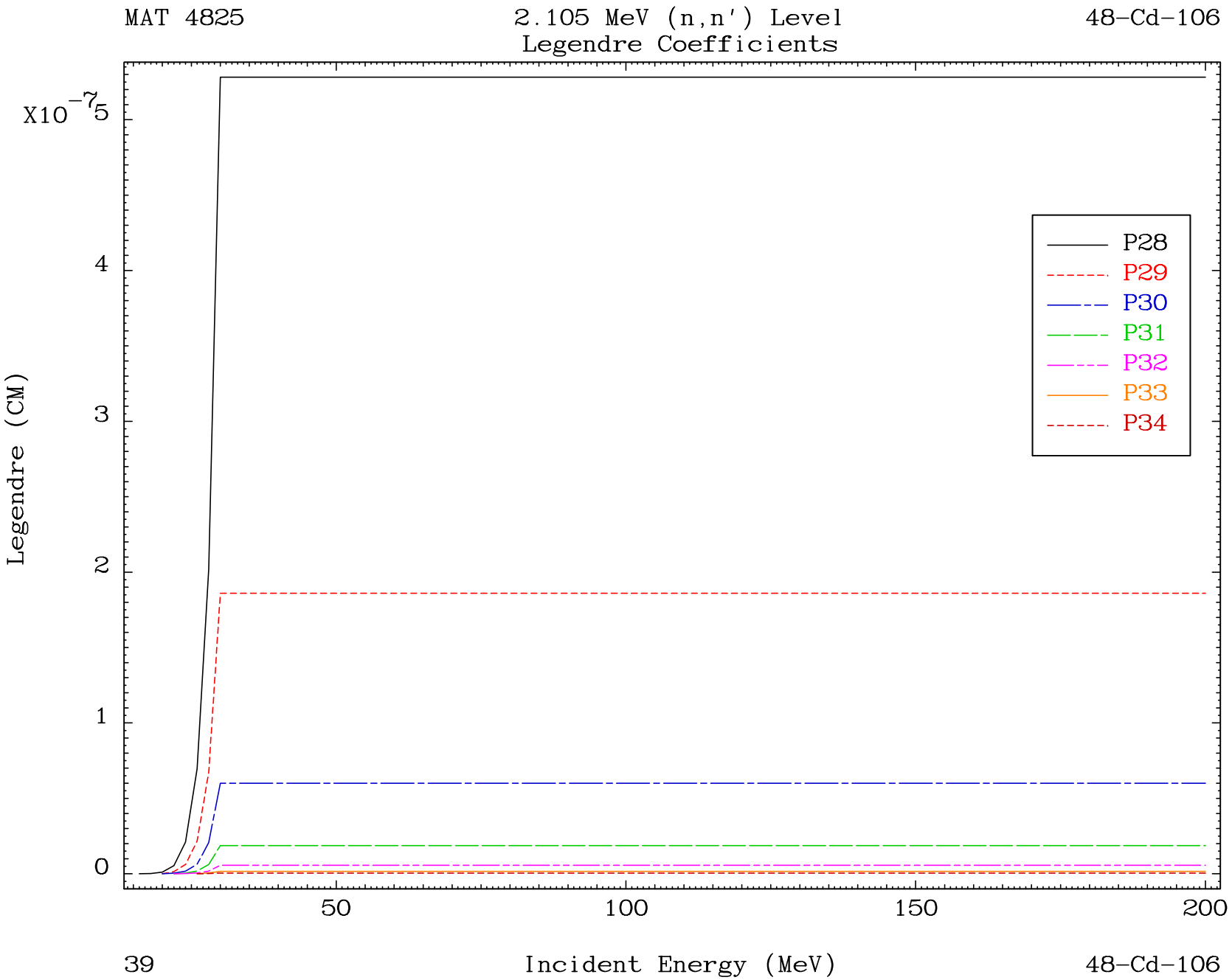

MAT 4825
1.795 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
48-Cd-106

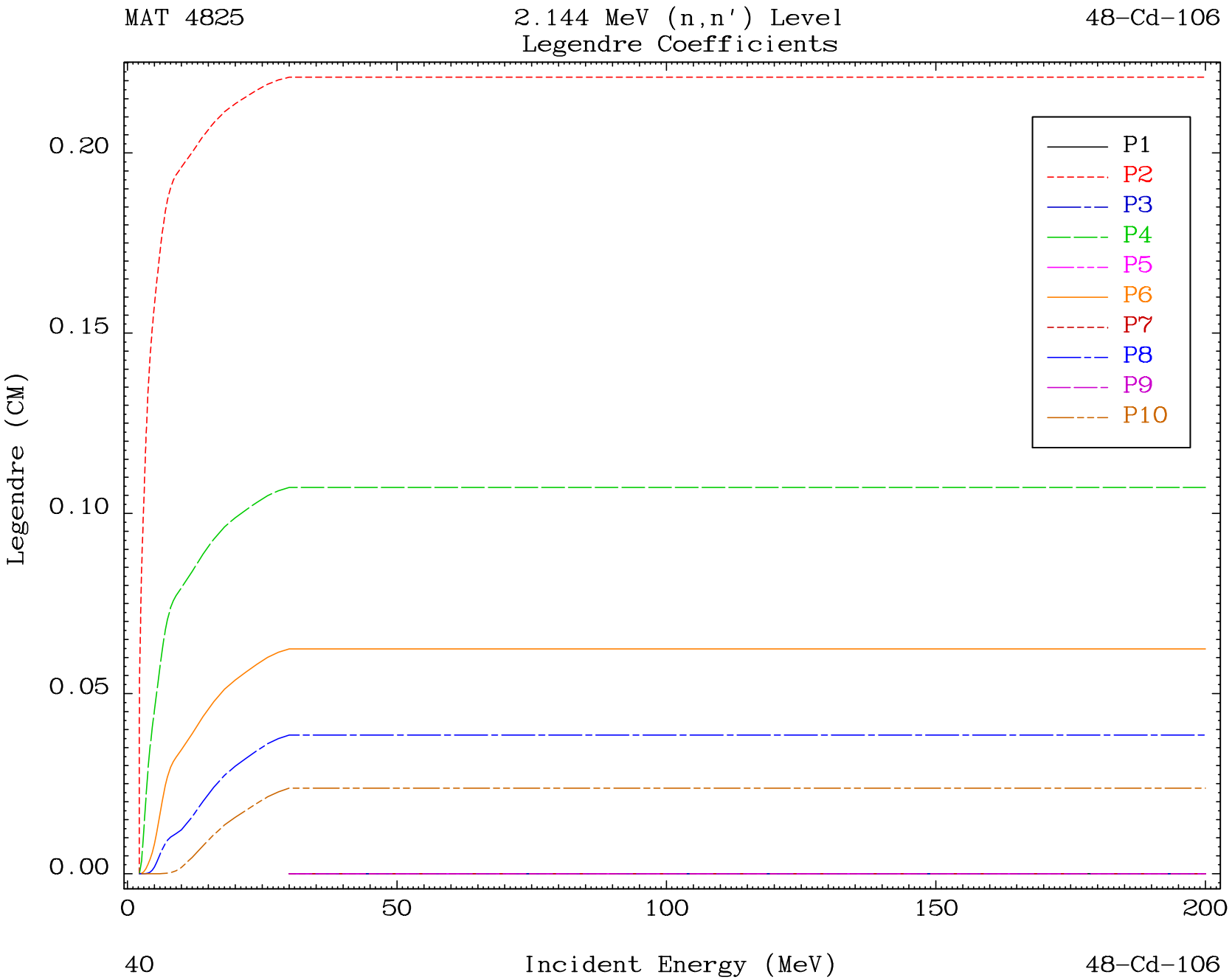

MAT 4825
1.795 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
35
Incident Energy (MeV)
48-Cd-106

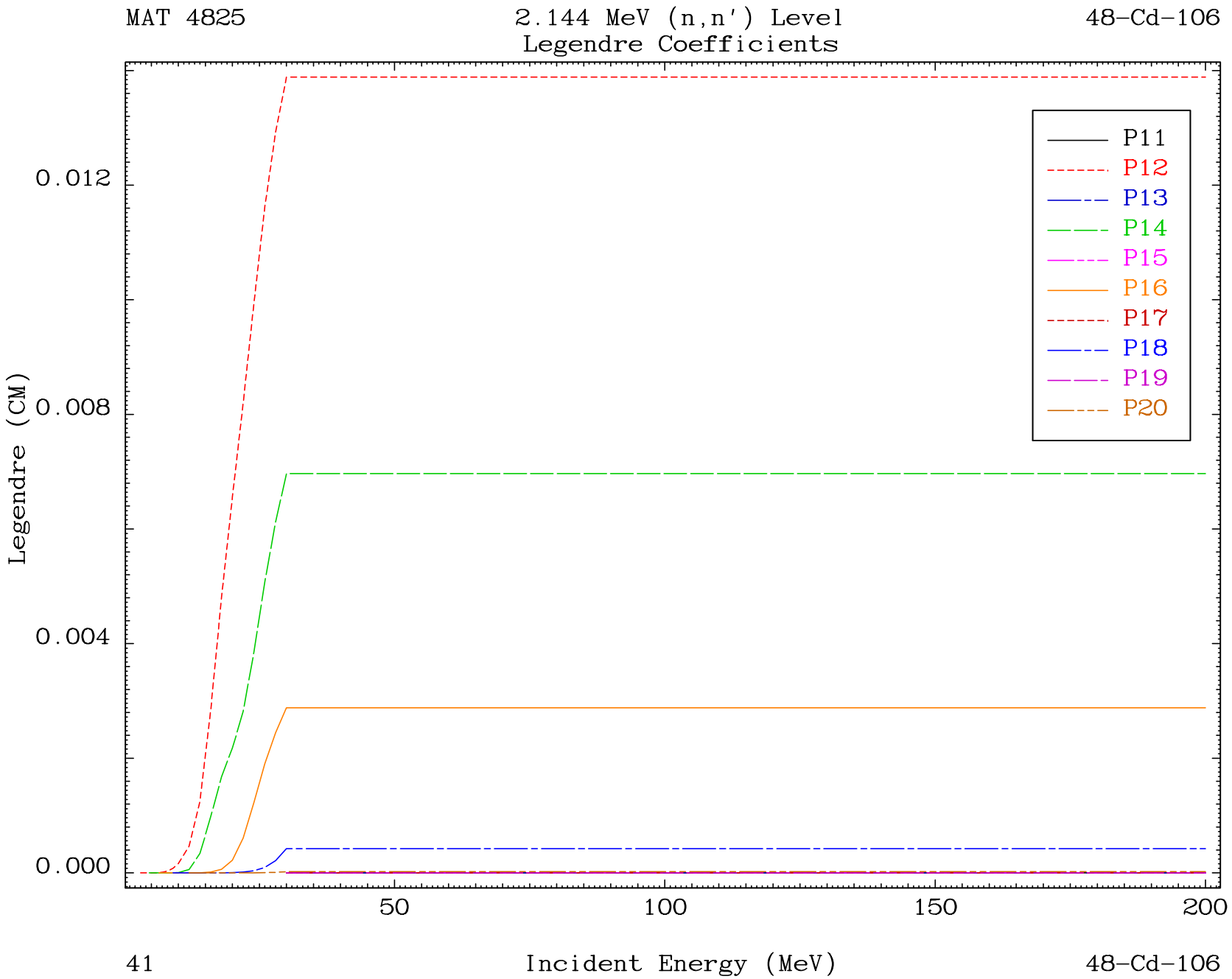

MAT 4825
2.105 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
36
Incident Energy (MeV)
48-Cd-106

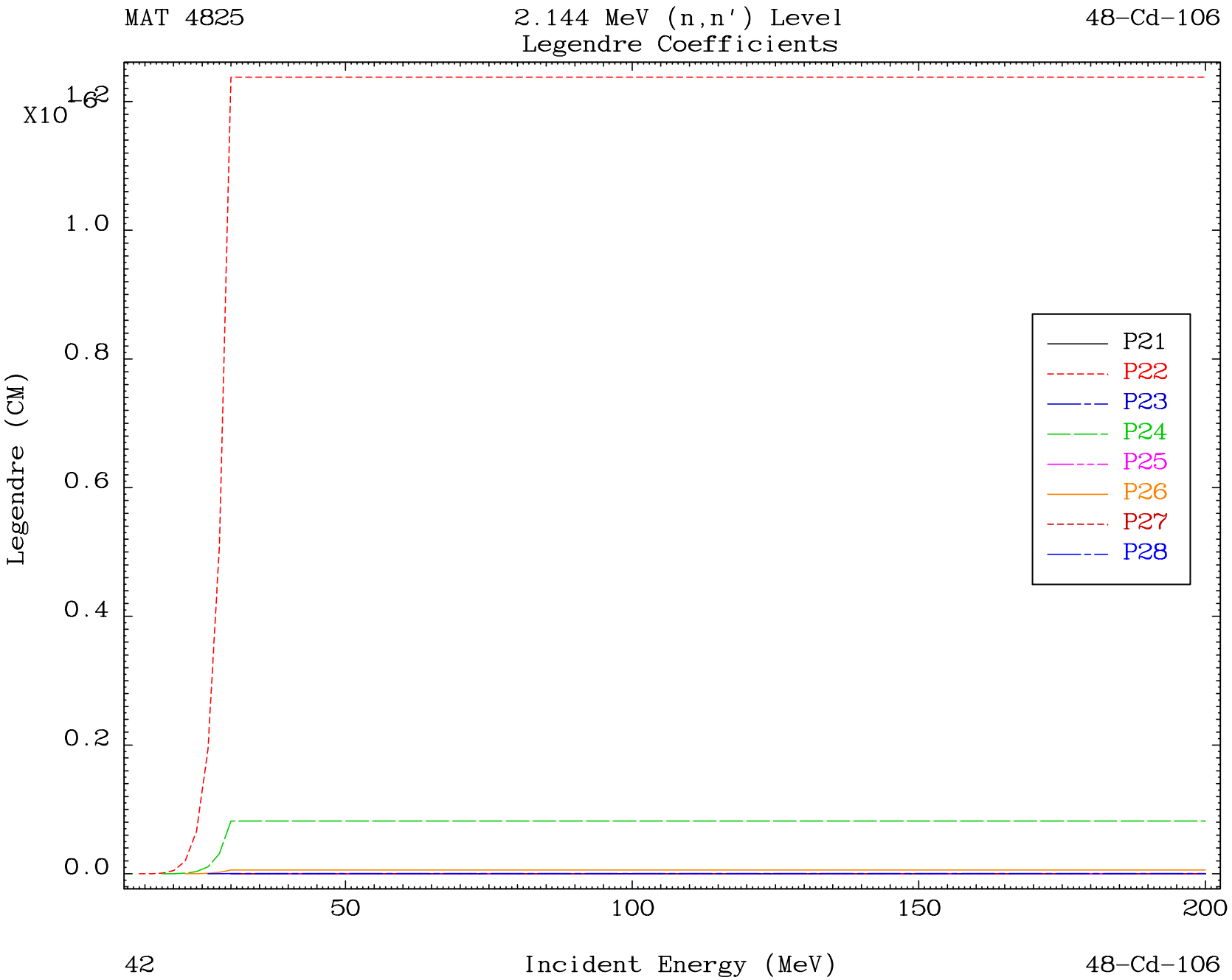

MAT 4825
2.105 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
48-Cd-106

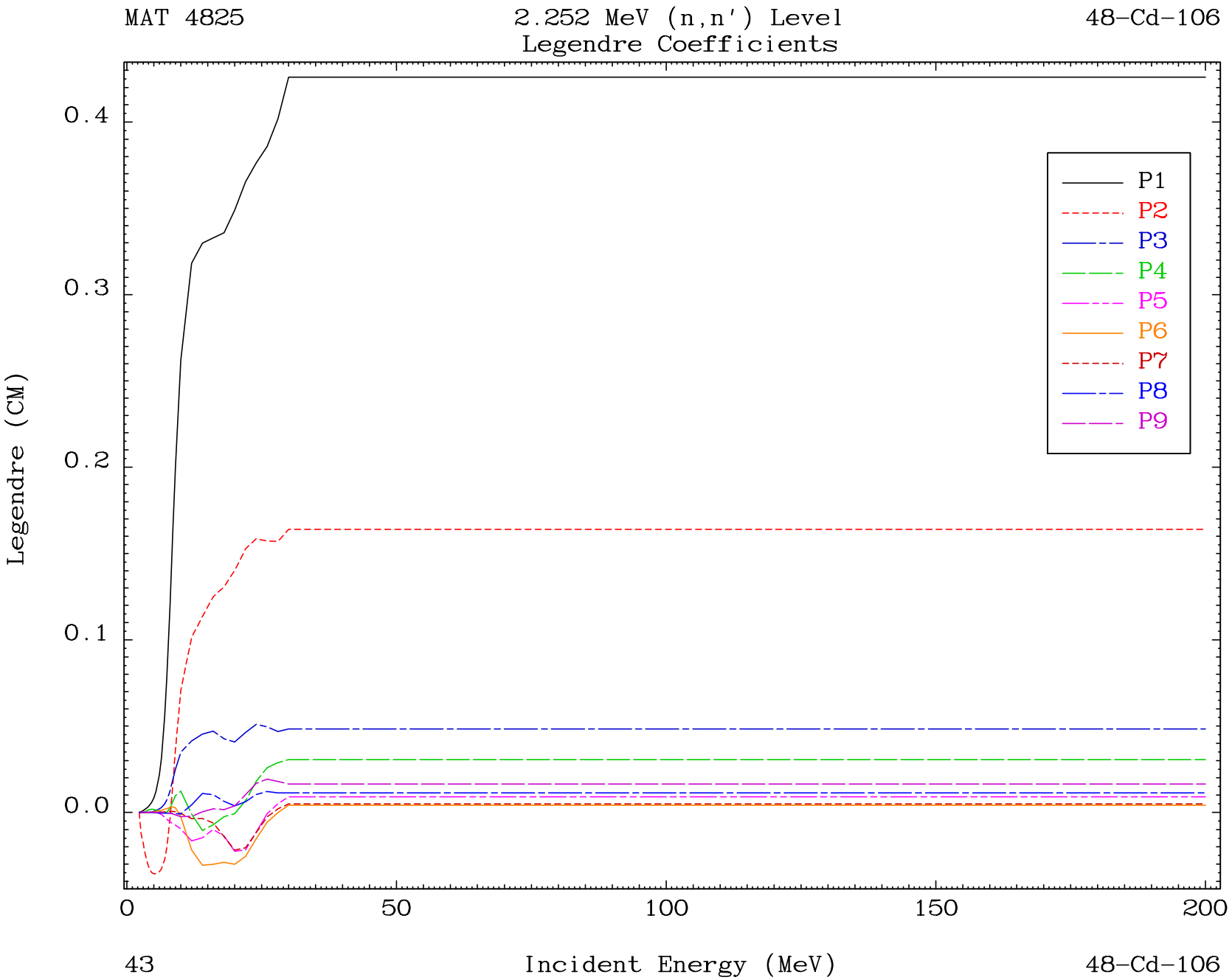

MAT 4825
2.105 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
38
Incident Energy (MeV)
48-Cd-106

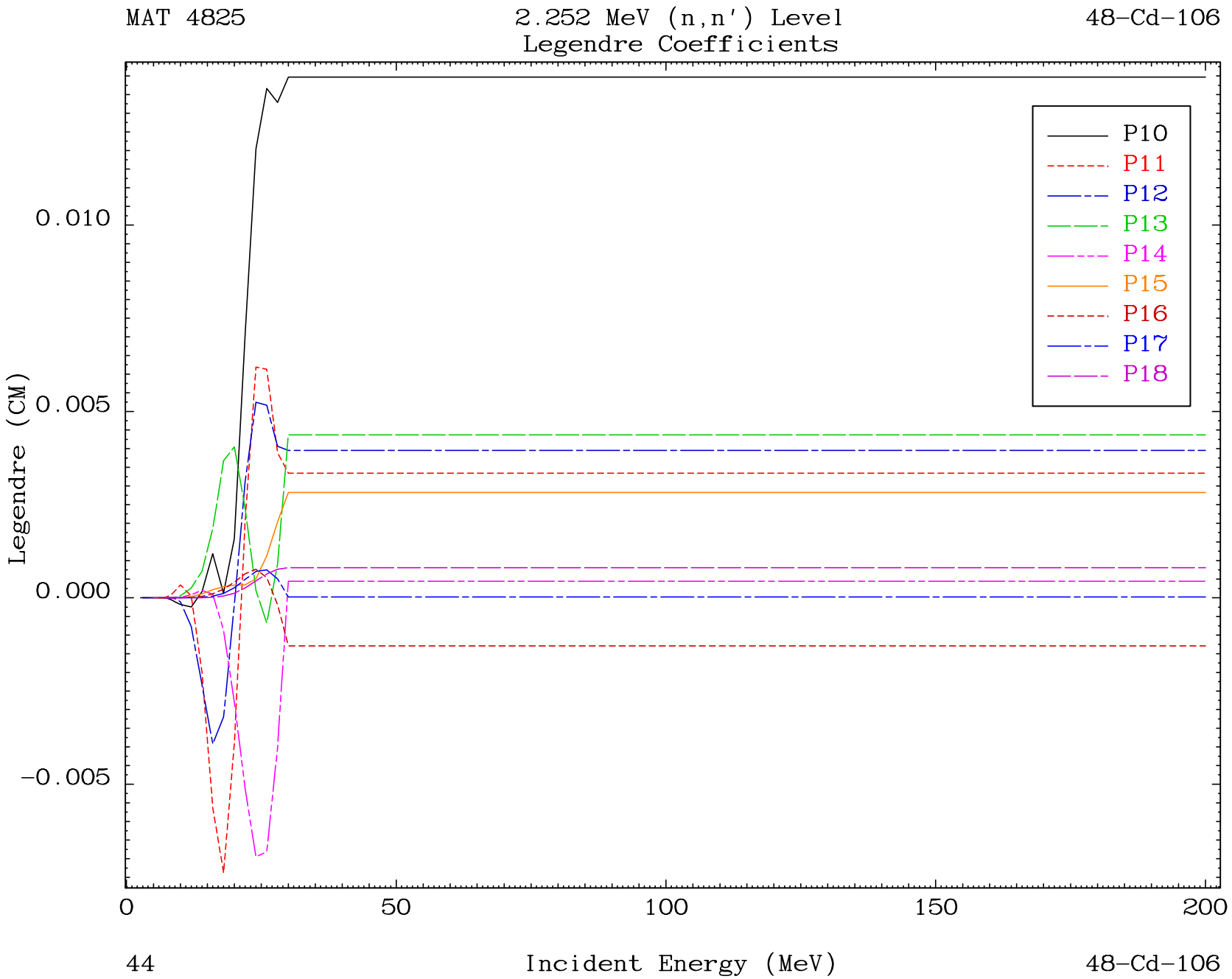

MAT 4825
2.105 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
39
Incident Energy (MeV)
48-Cd-106

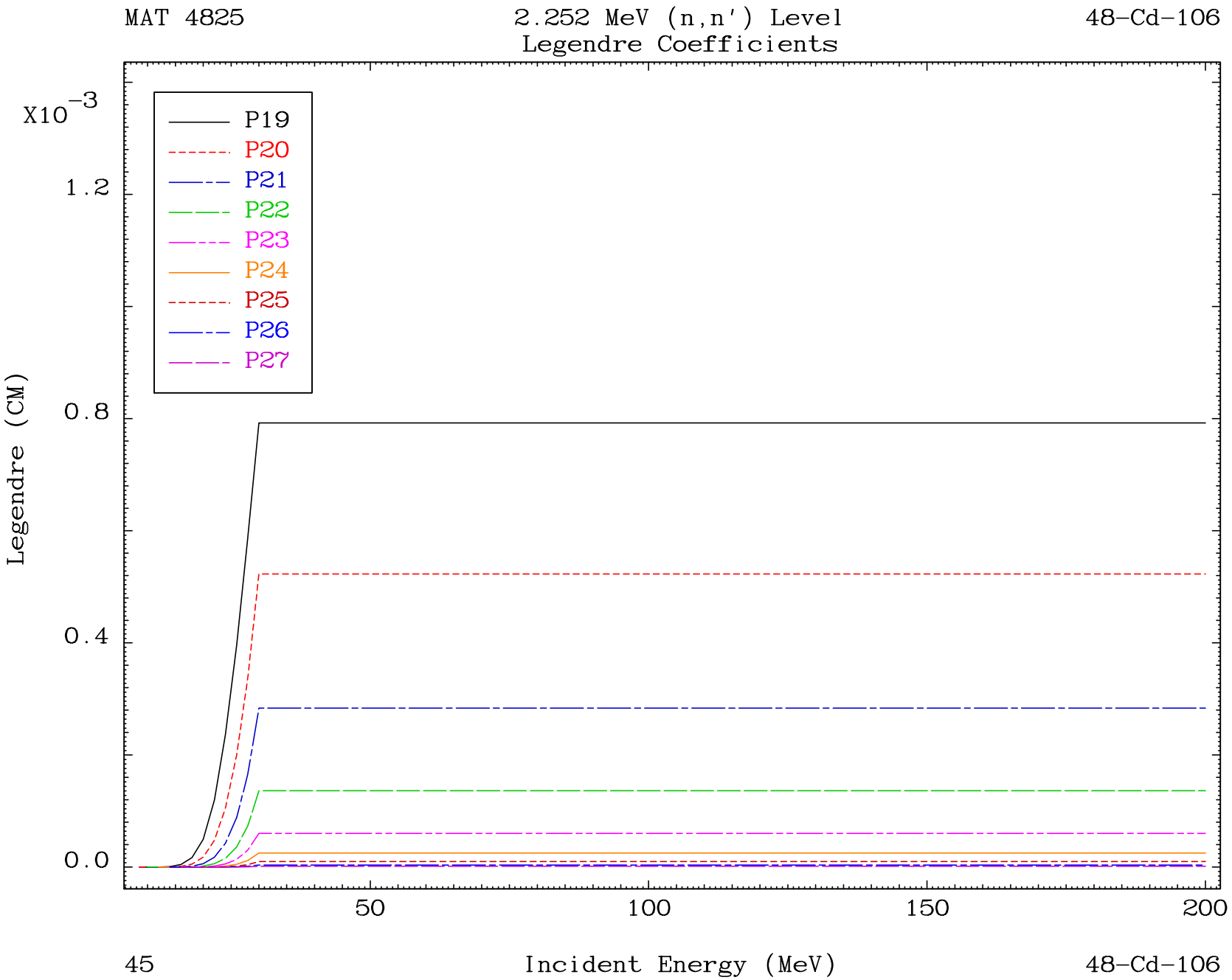

MAT 4825
2.144 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
40
Incident Energy (MeV)
48-Cd-106

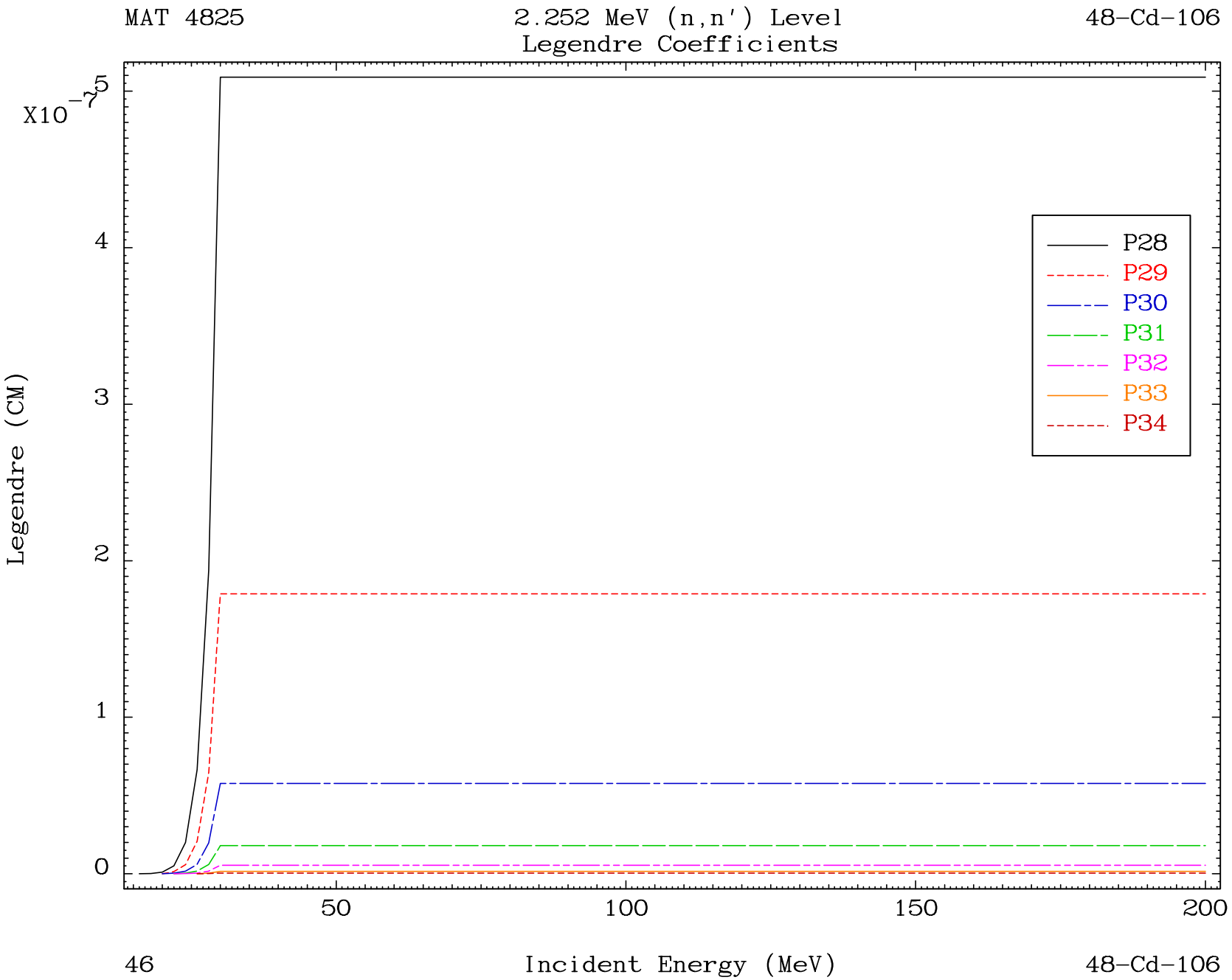

MAT 4825
2.144 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.012
0.008
0.004
0.000
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
48-Cd-106

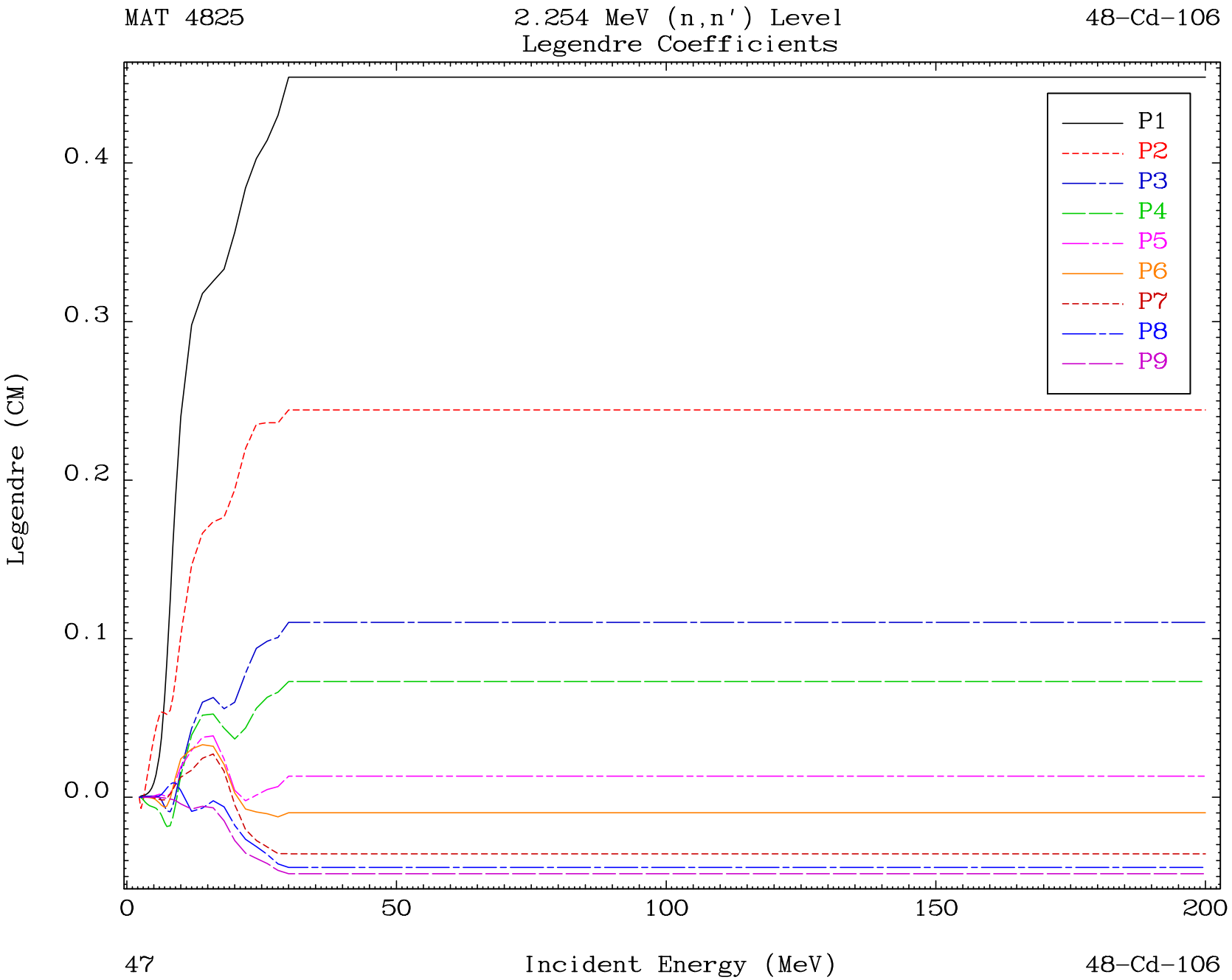

MAT 4825
2.144 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
48-Cd-106
P21
P22
P23
P24
P25
P26
P27
P28

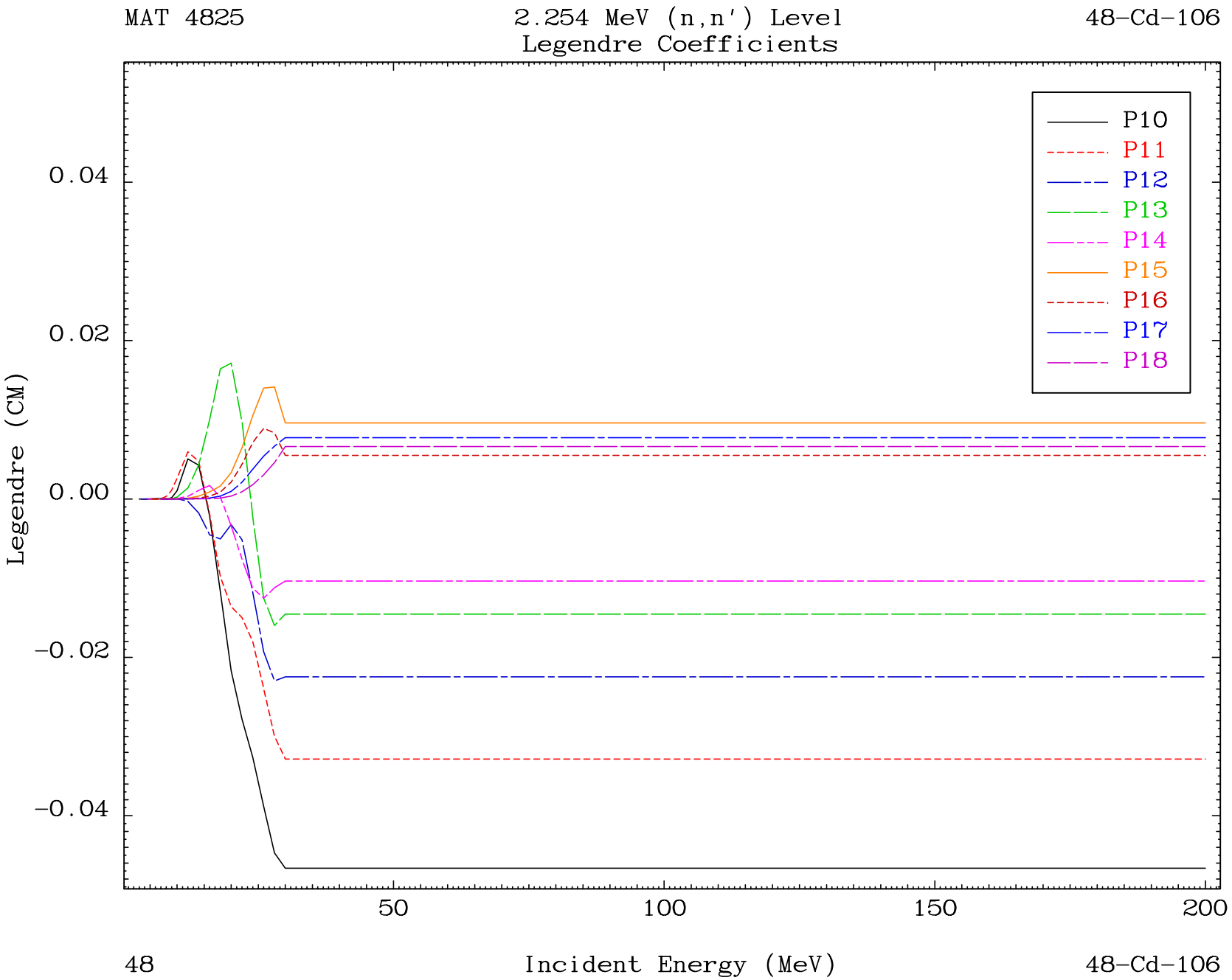

MAT 4825
2.252 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
43
Incident Energy (MeV)
48-Cd-106

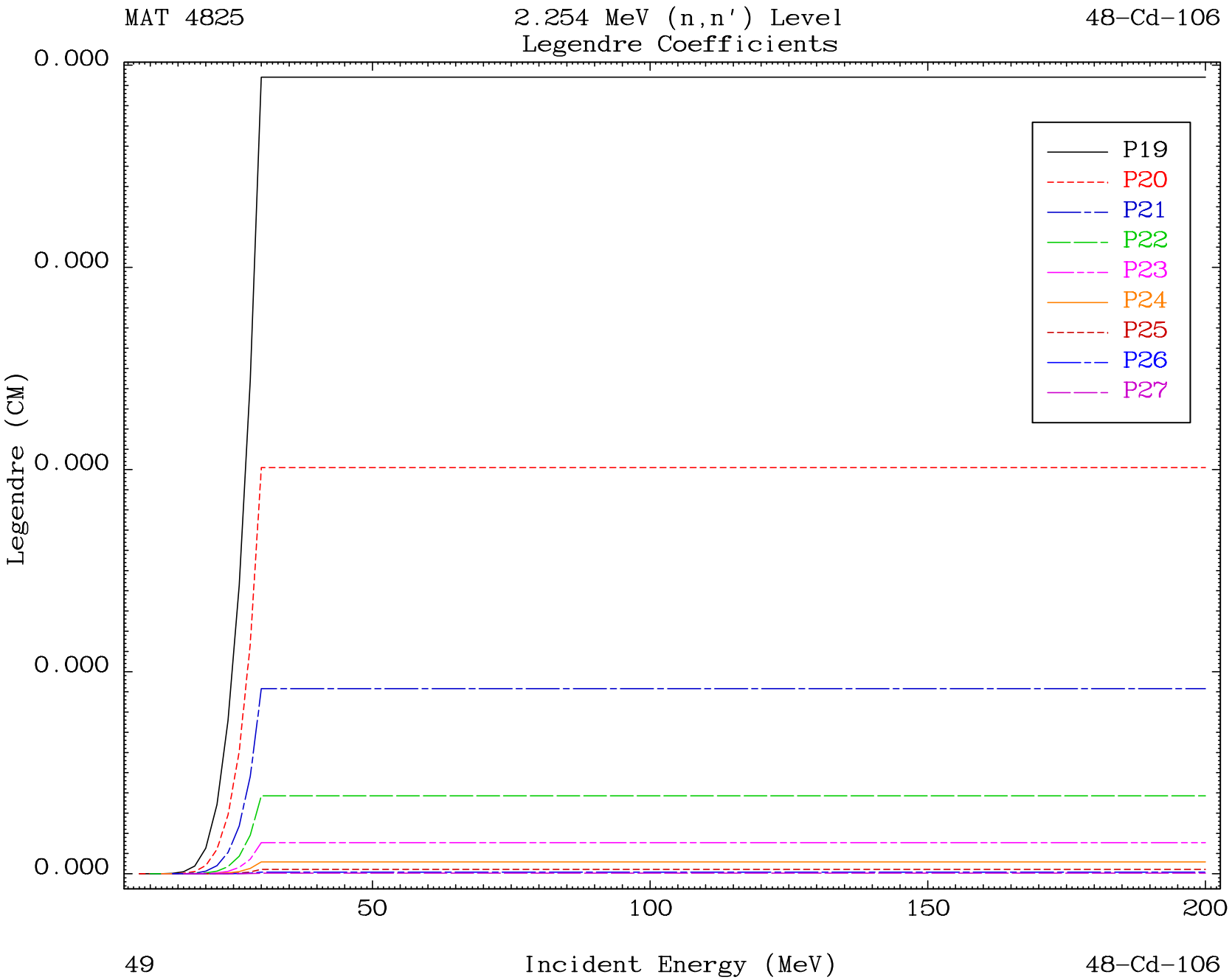

MAT 4825
2.252 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
44
Incident Energy (MeV)
48-Cd-106

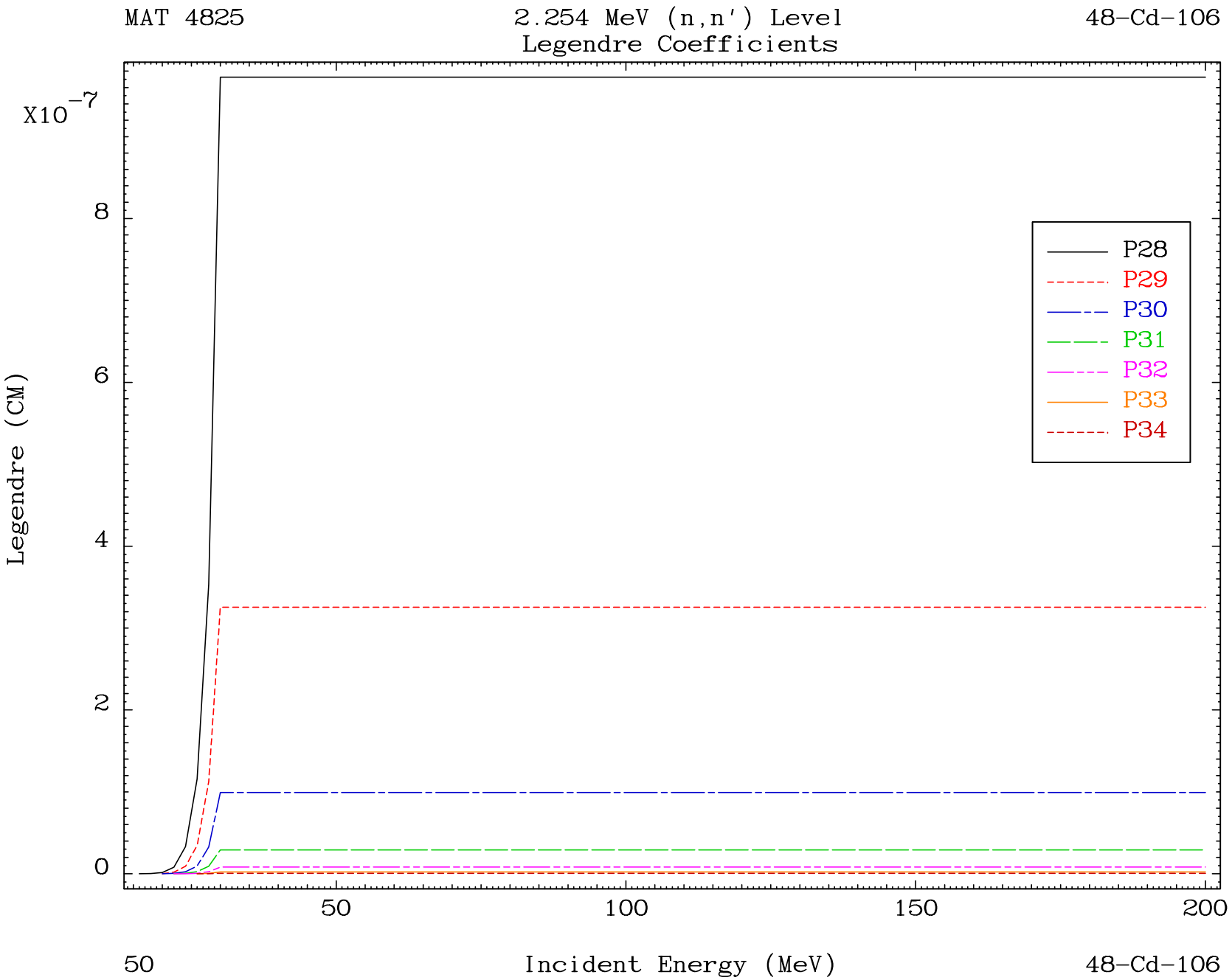

MAT 4825
2.252 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
45
Incident Energy (MeV)
48-Cd-106

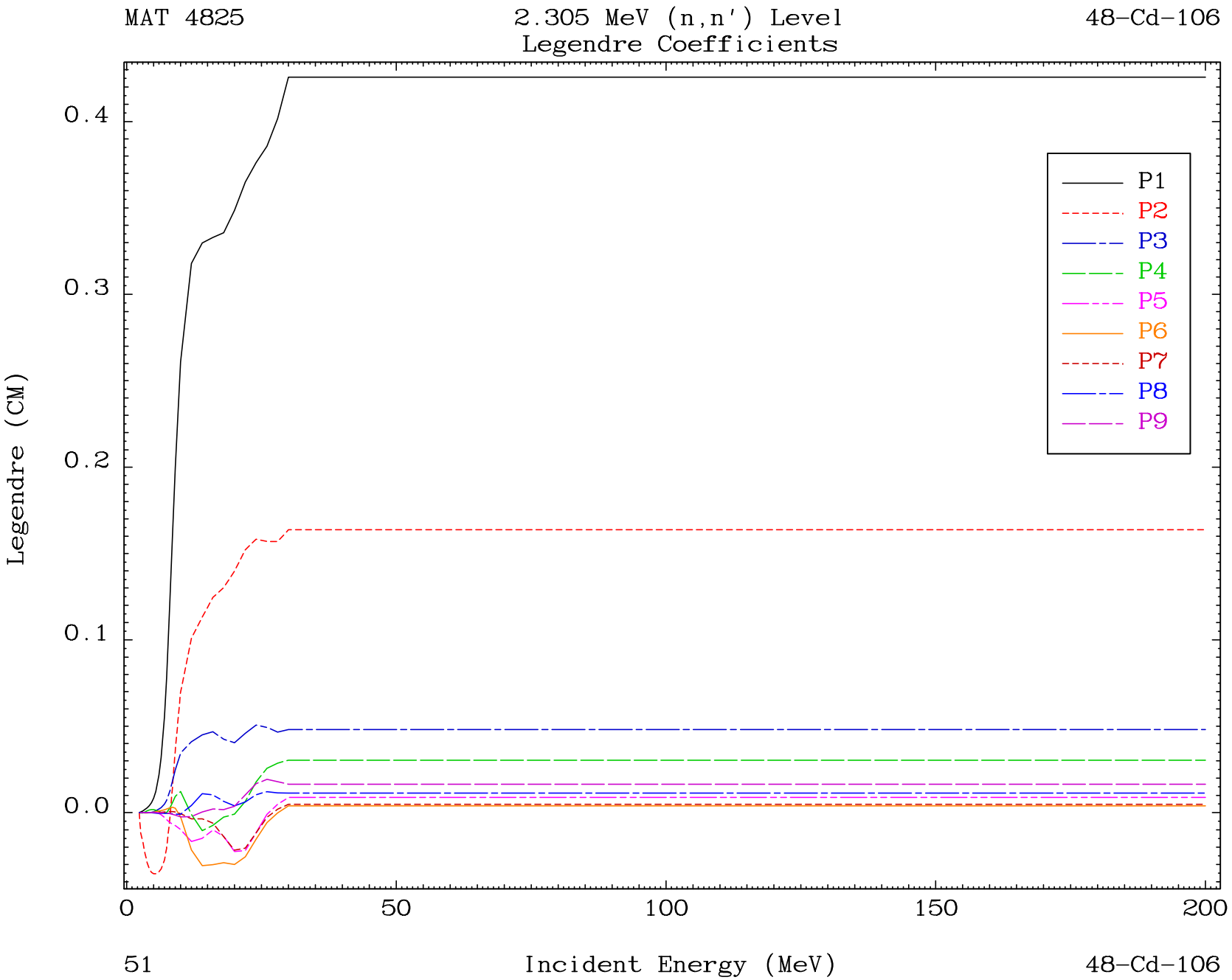

MAT 4825
2.252 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-2
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
46
Incident Energy (MeV)
48-Cd-106

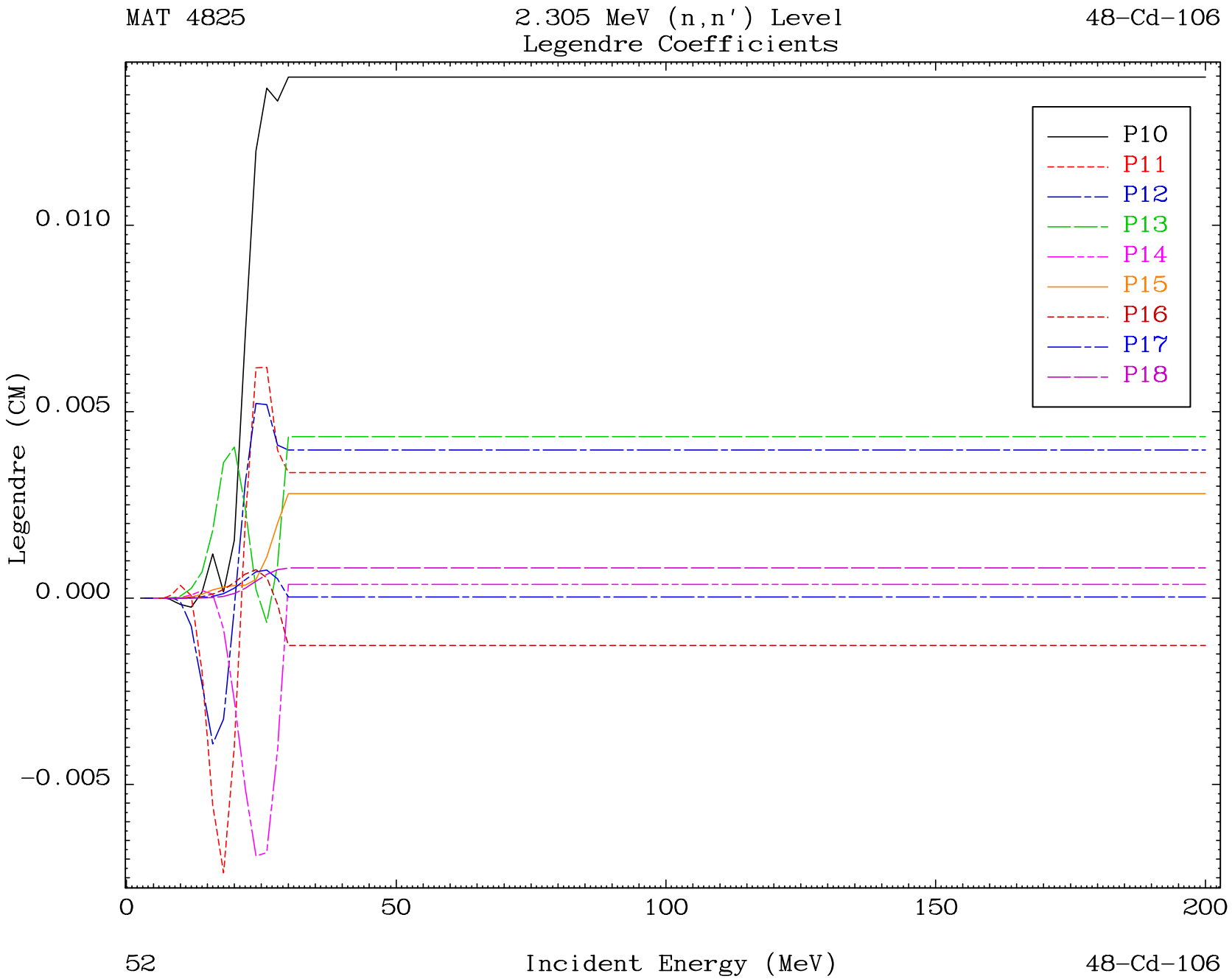

MAT 4825
2.254 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
47
Incident Energy (MeV)
48-Cd-106

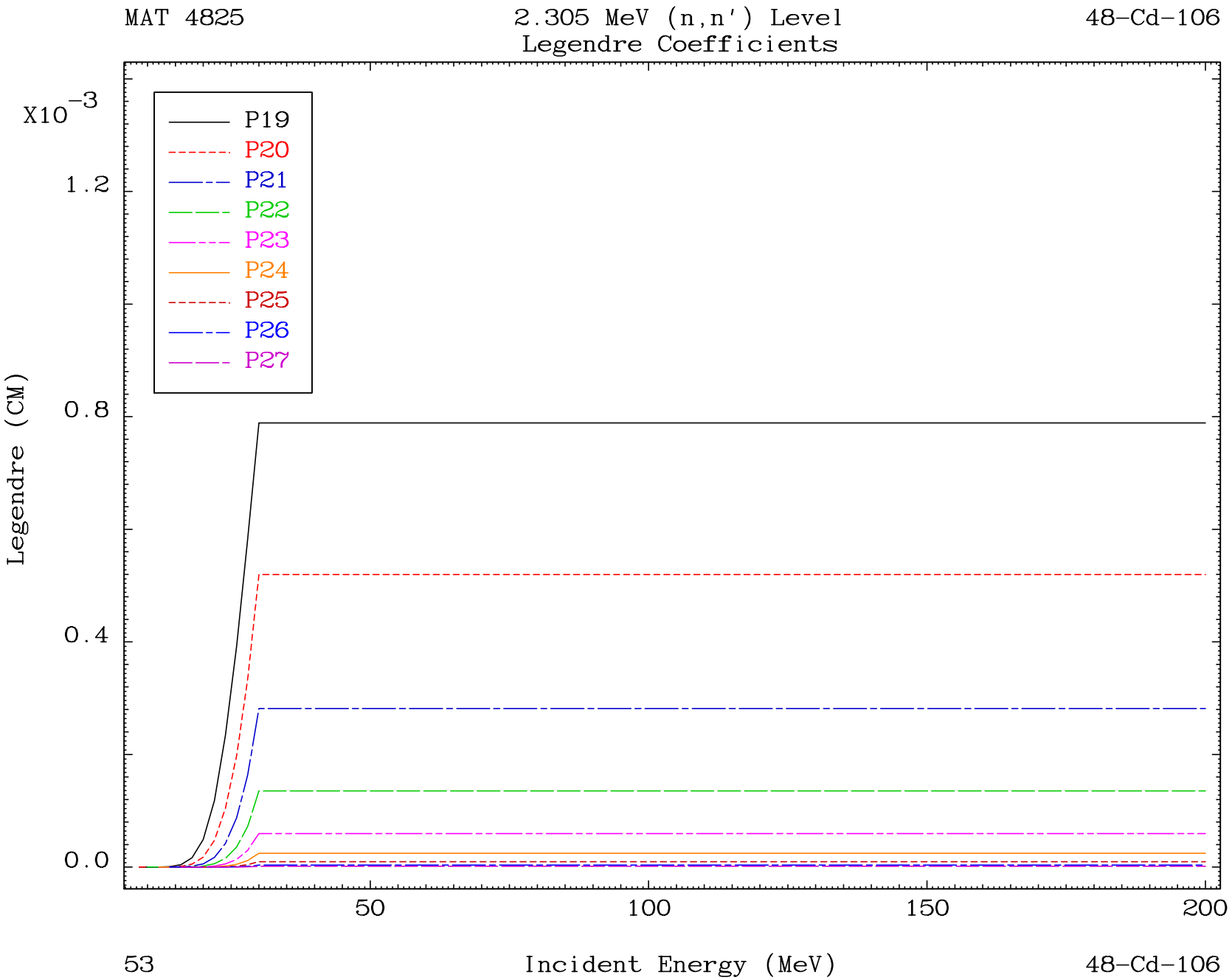

MAT 4825
2.254 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
48-Cd-106

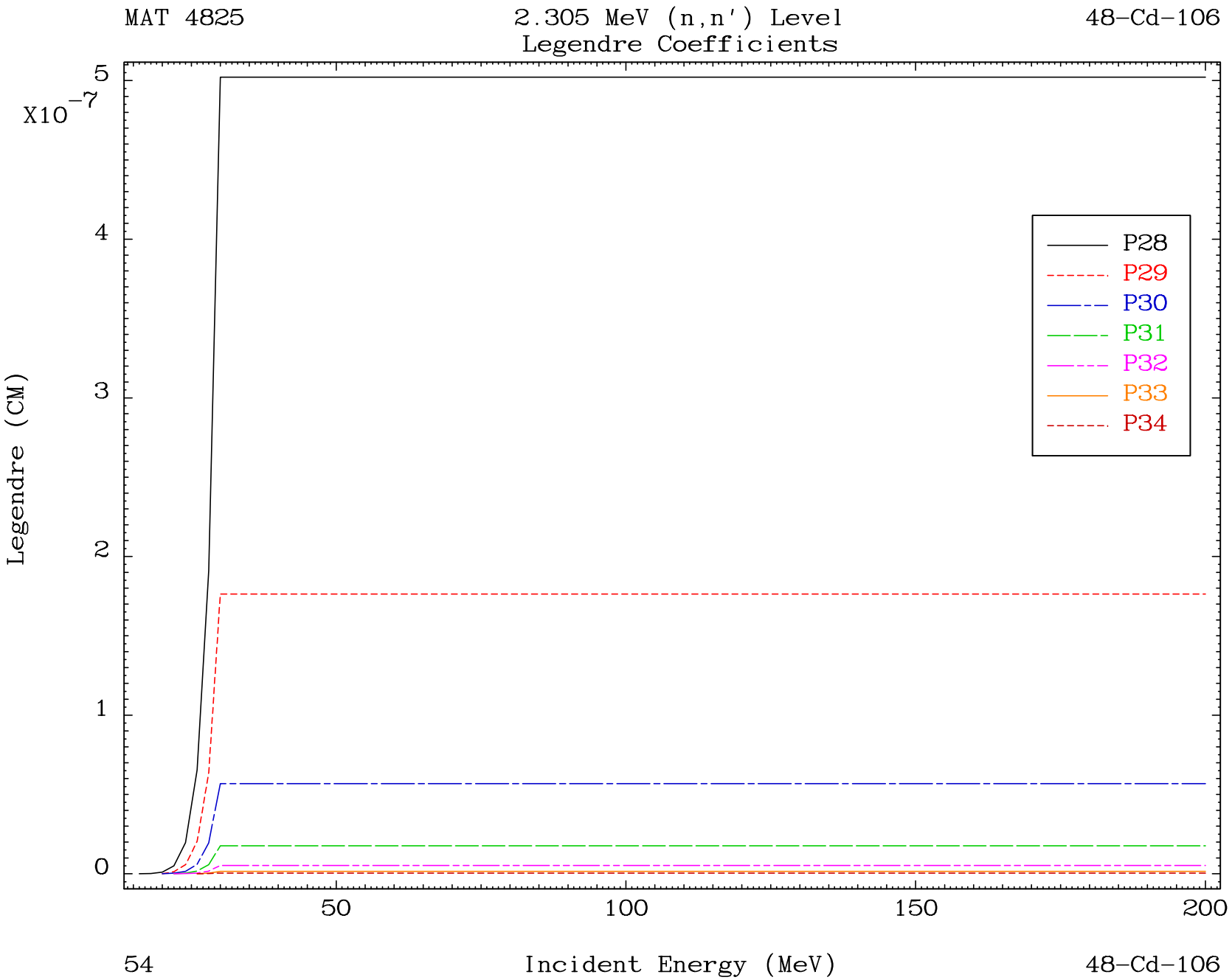

MAT 4825
2.254 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
49
Incident Energy (MeV)
48-Cd-106

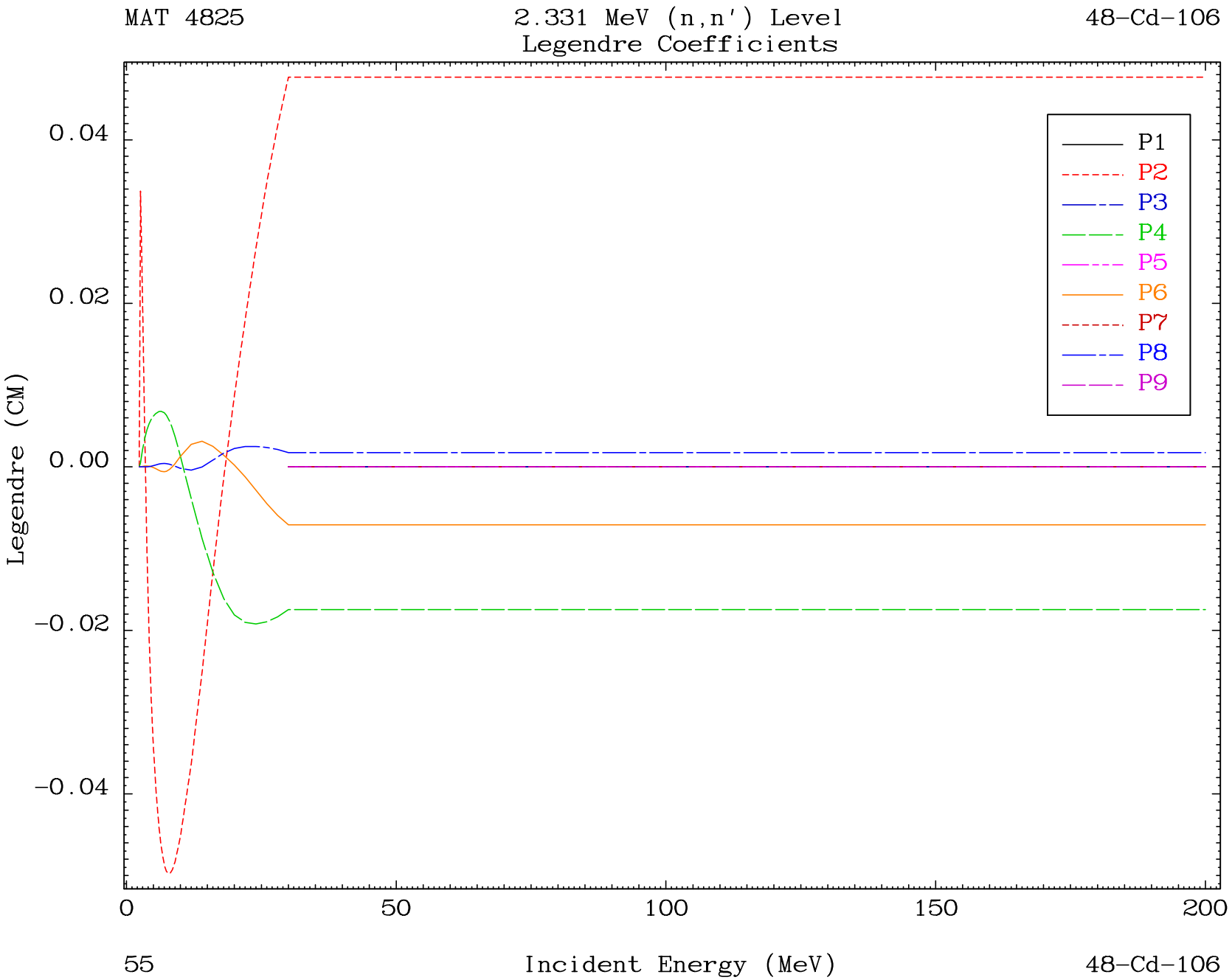

MAT 4825
2.254 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
50
Incident Energy (MeV)
48-Cd-106

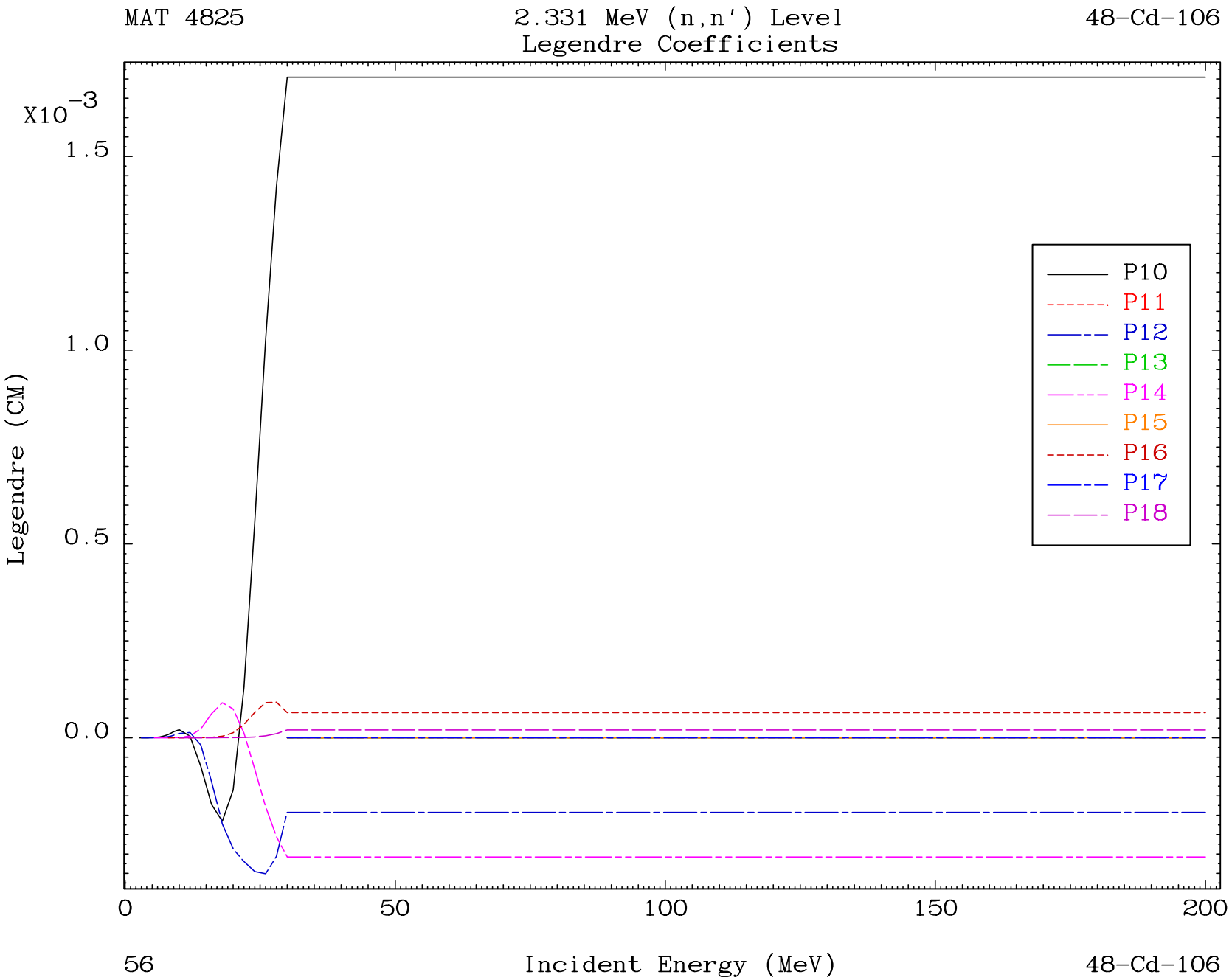

MAT 4825
2.305 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
51
Incident Energy (MeV)
48-Cd-106

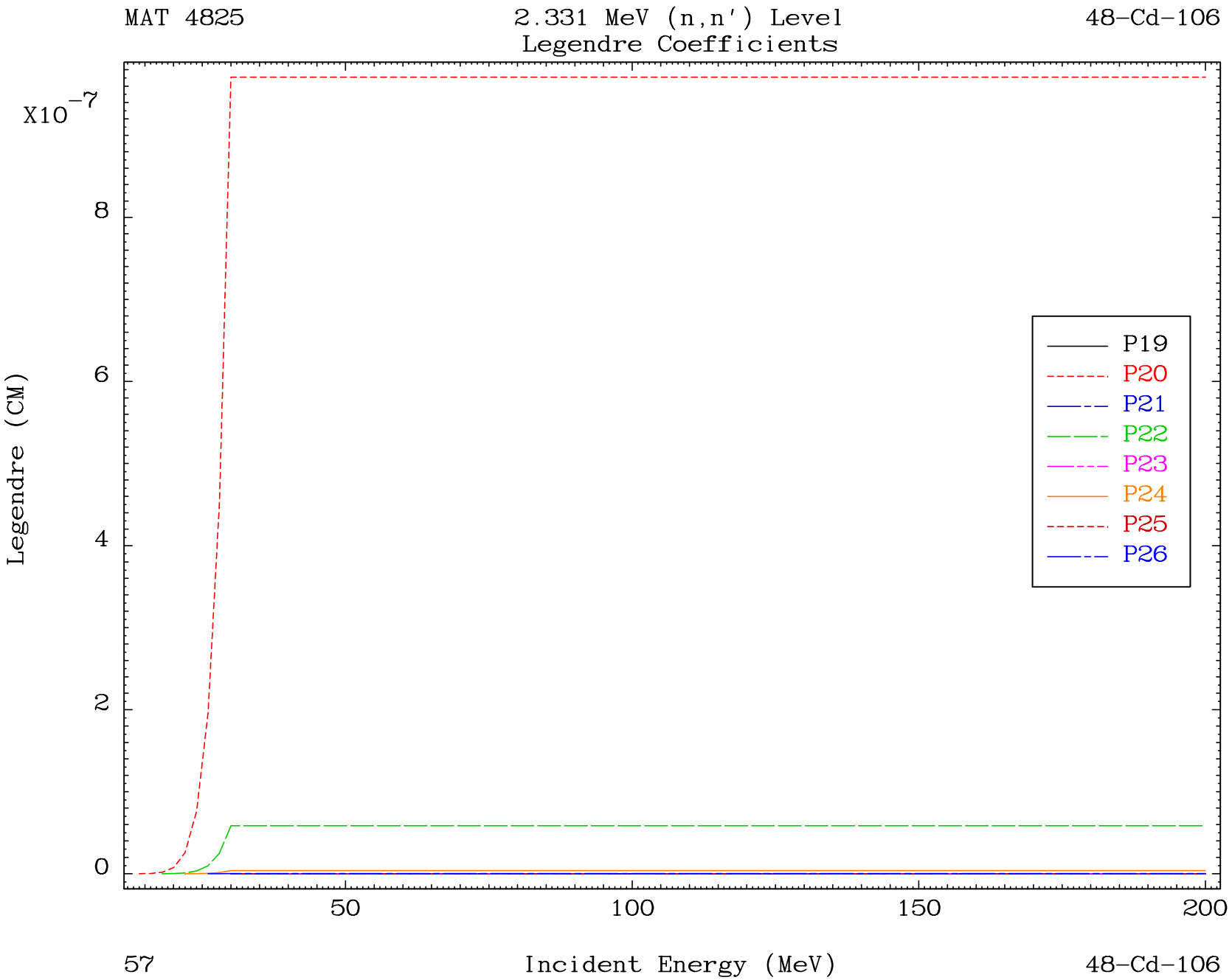

MAT 4825
2.305 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
48-Cd-106

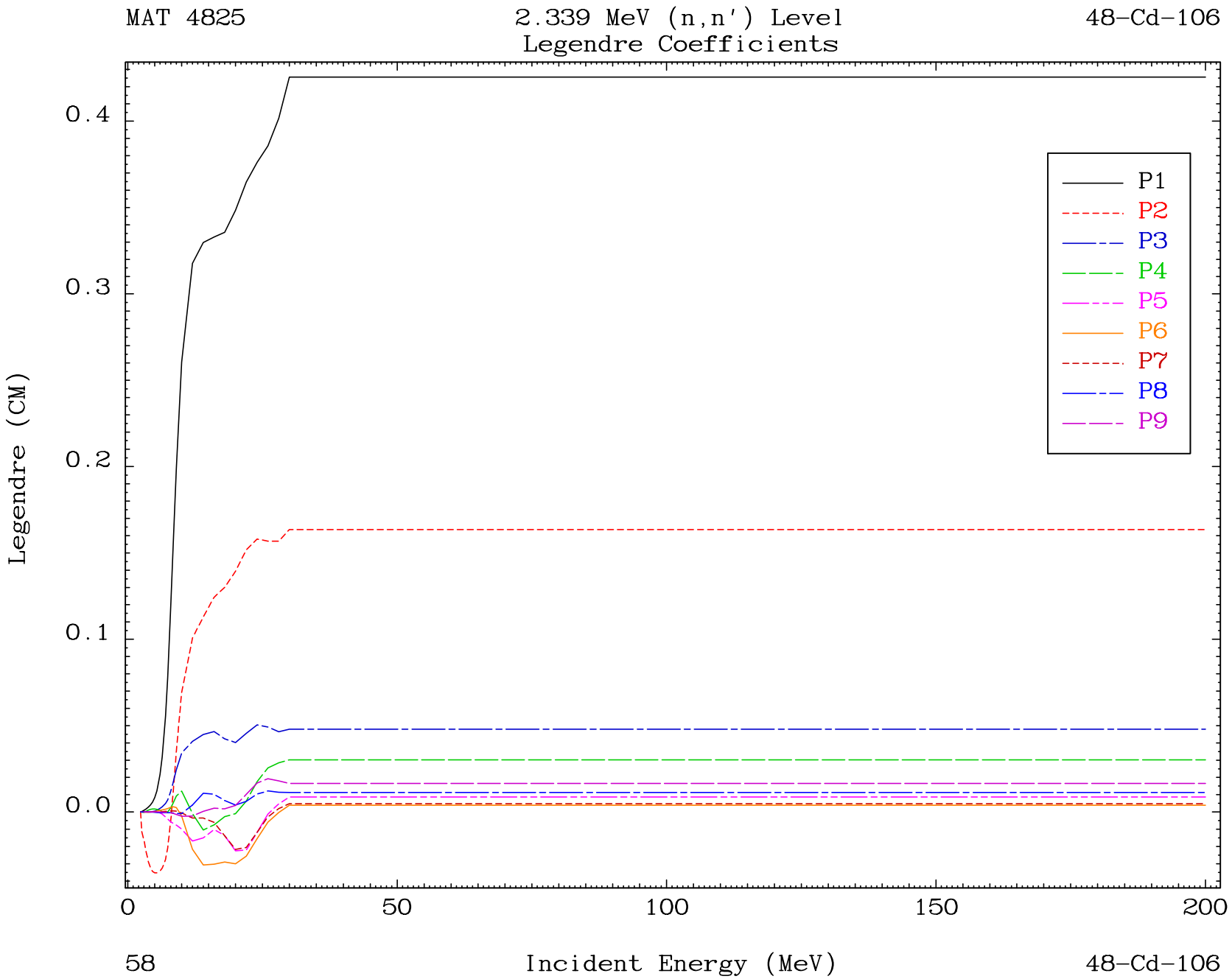

MAT 4825
2.305 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
53
Incident Energy (MeV)
48-Cd-106

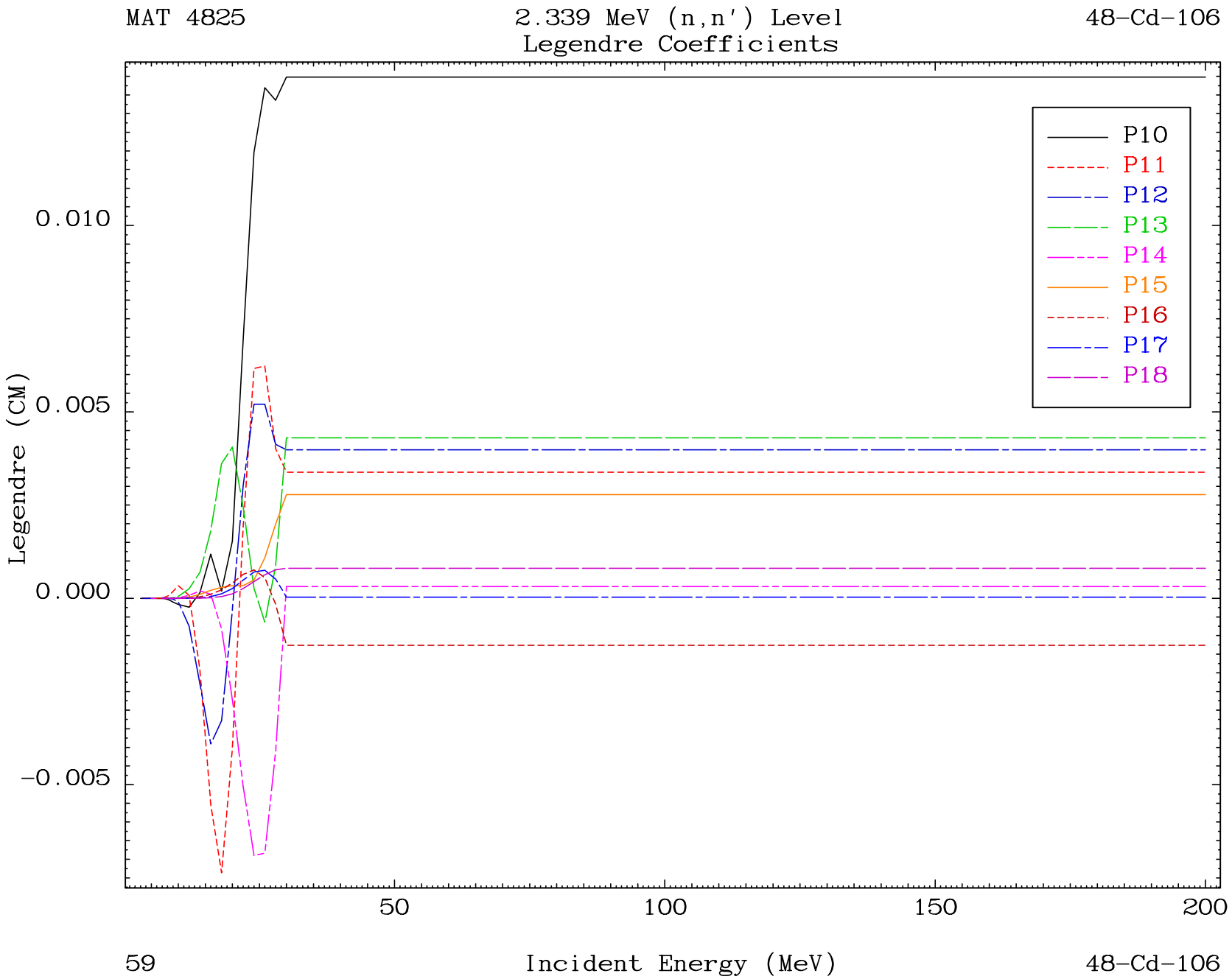

MAT 4825
2.305 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
54
Incident Energy (MeV)
48-Cd-106

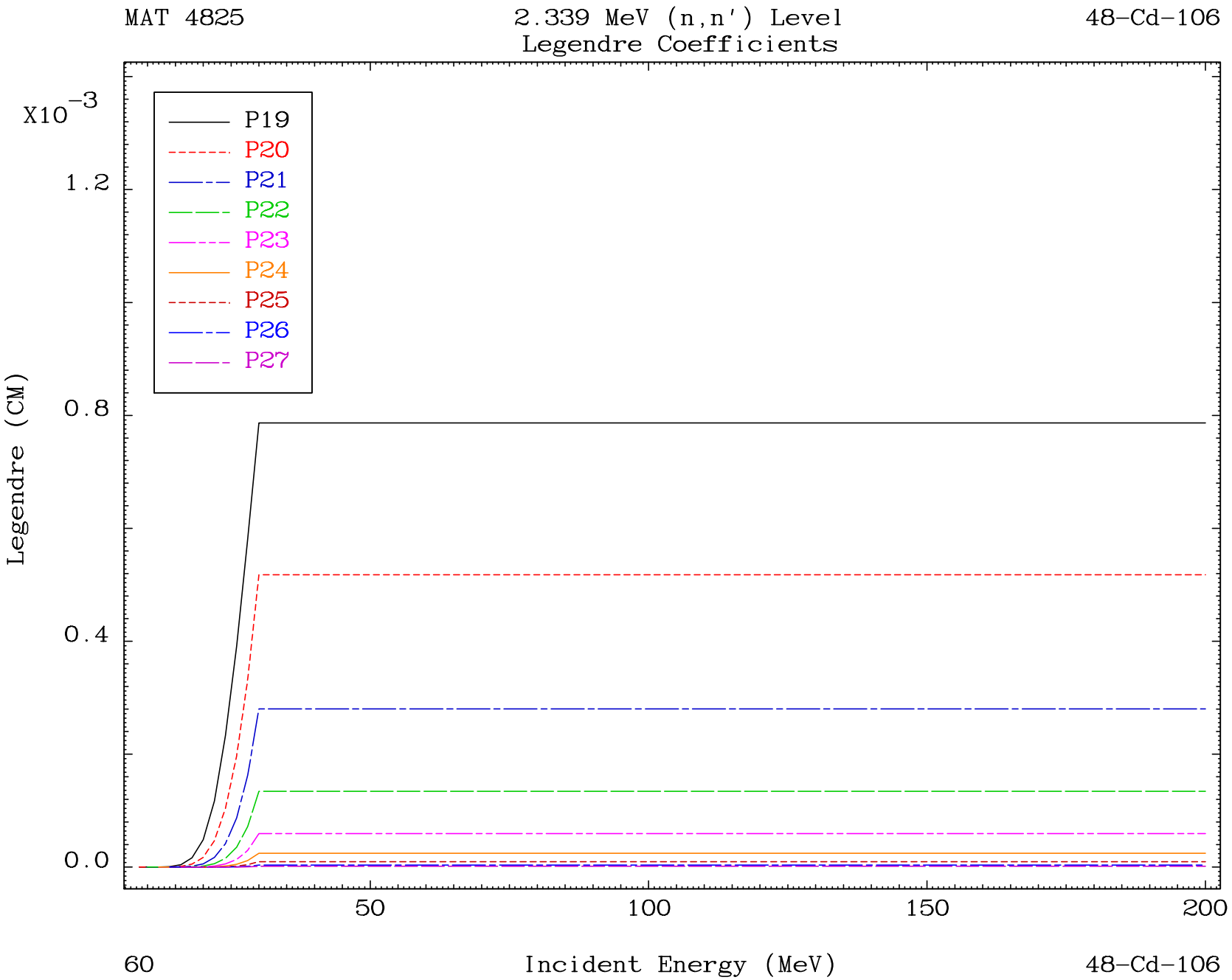

MAT 4825
2.331 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
55
Incident Energy (MeV)
48-Cd-106

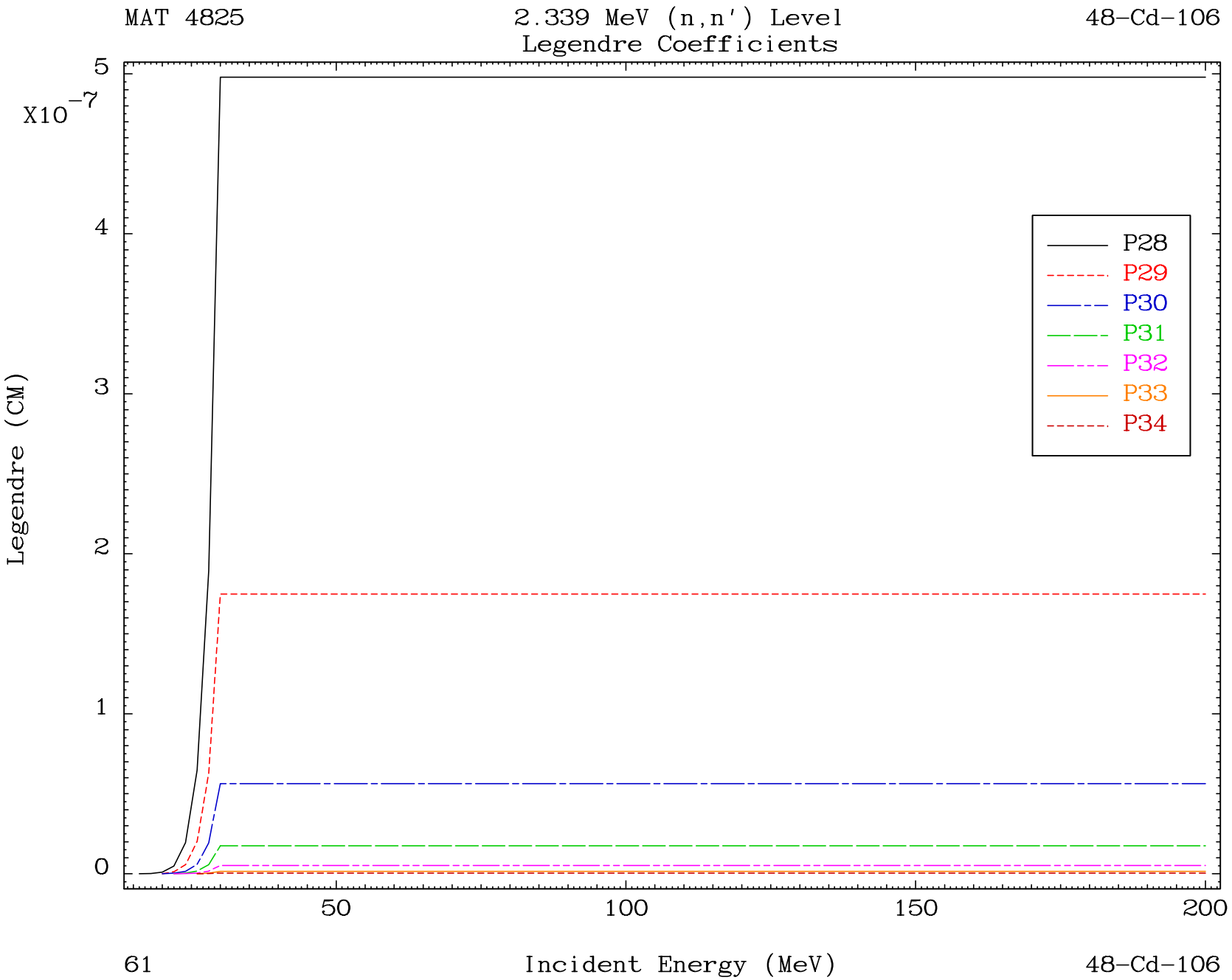

MAT 4825
2.331 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
56
Incident Energy (MeV)
48-Cd-106

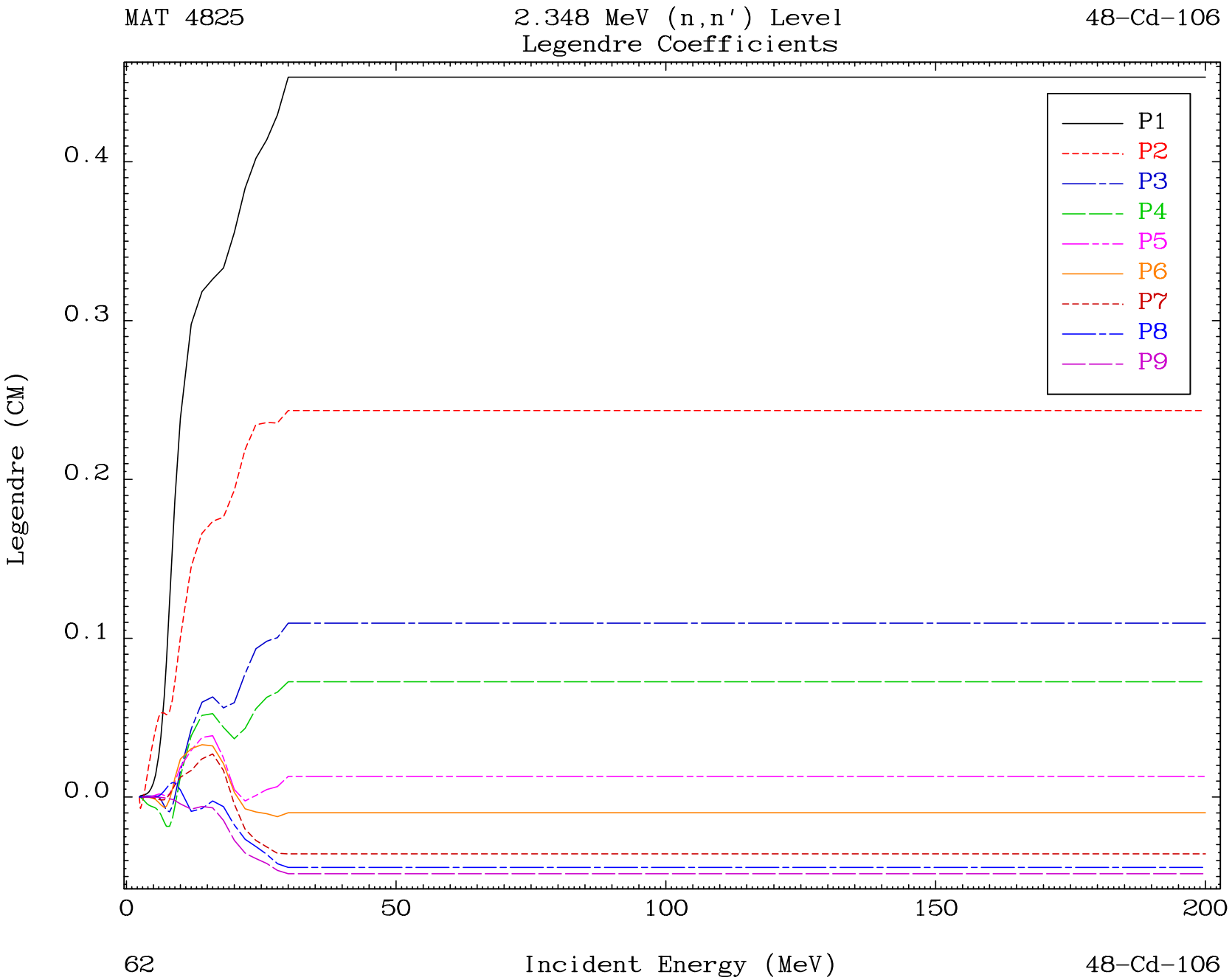

MAT 4825
2.331 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
57
Incident Energy (MeV)
48-Cd-106

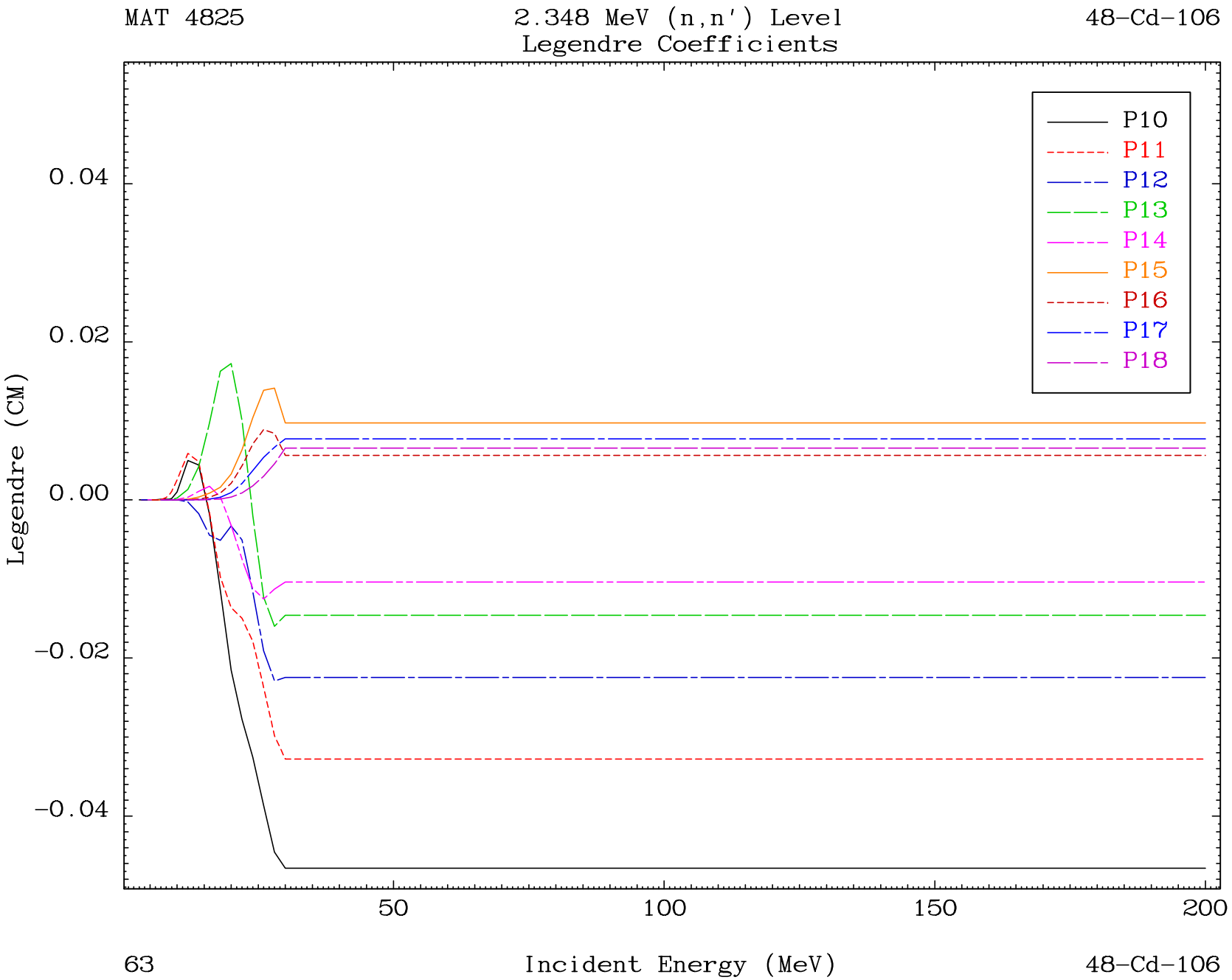

MAT 4825
2.339 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
58
Incident Energy (MeV)
48-Cd-106

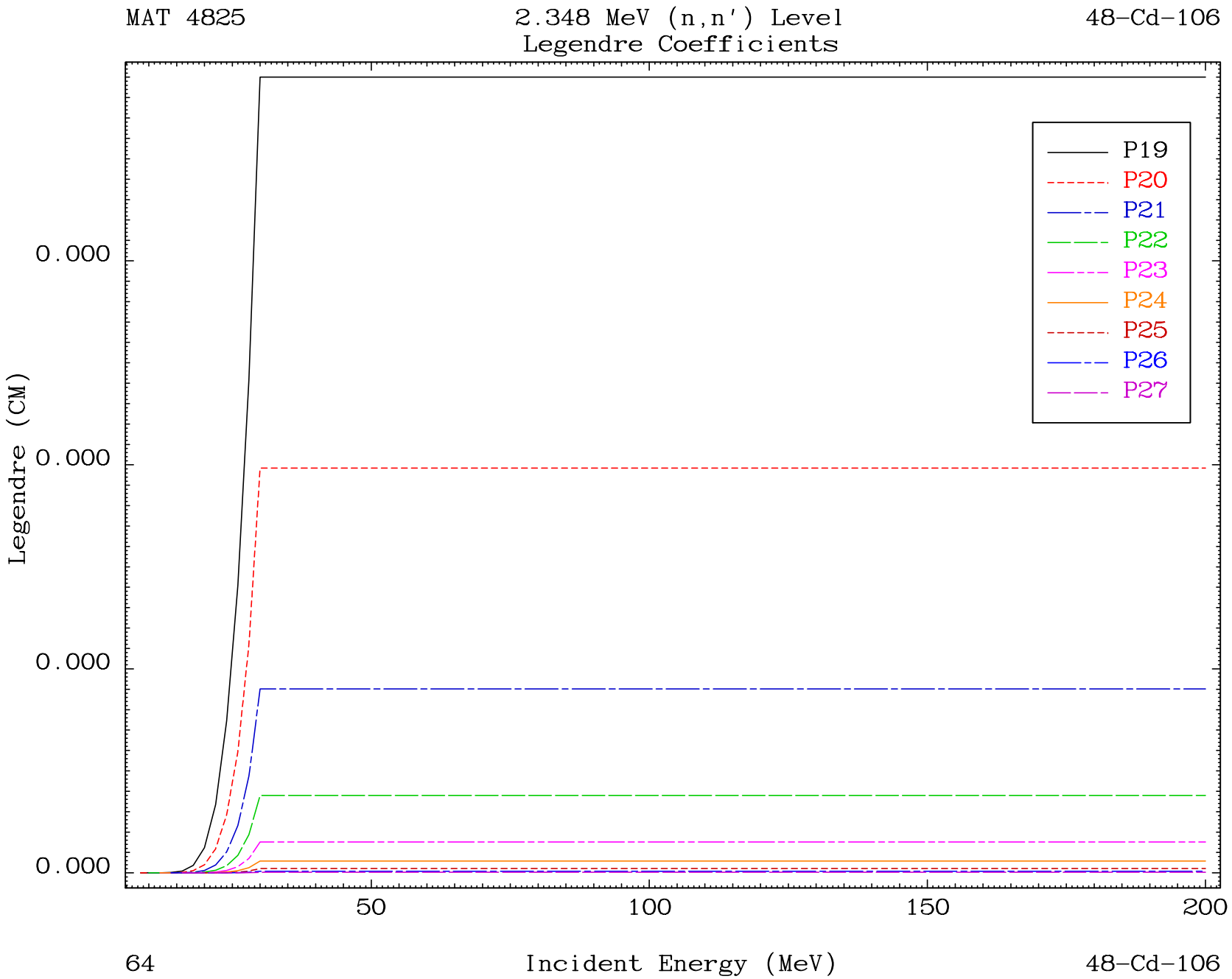

MAT 4825
2.339 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
48-Cd-106

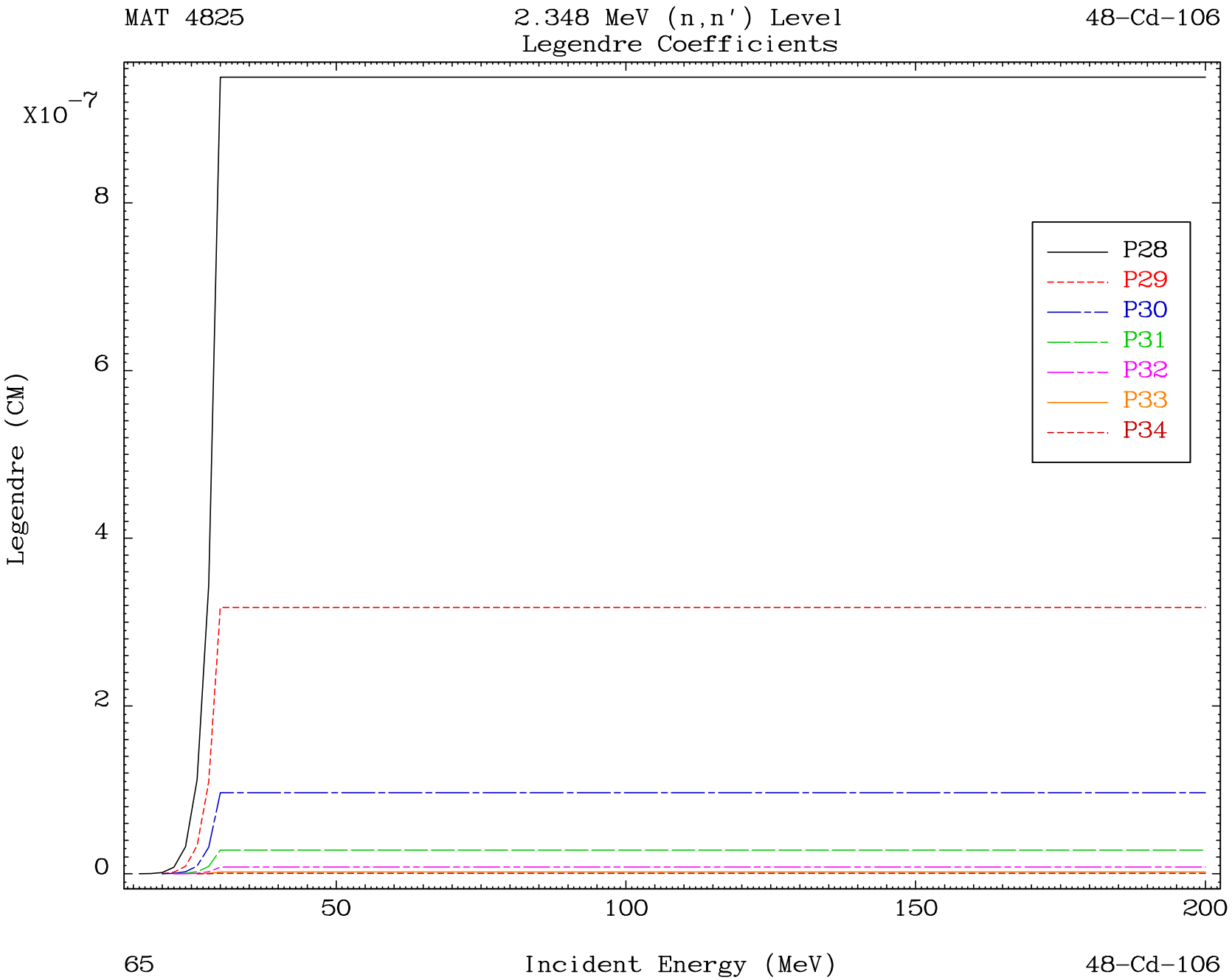

MAT 4825
2.339 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
60
Incident Energy (MeV)
48-Cd-106

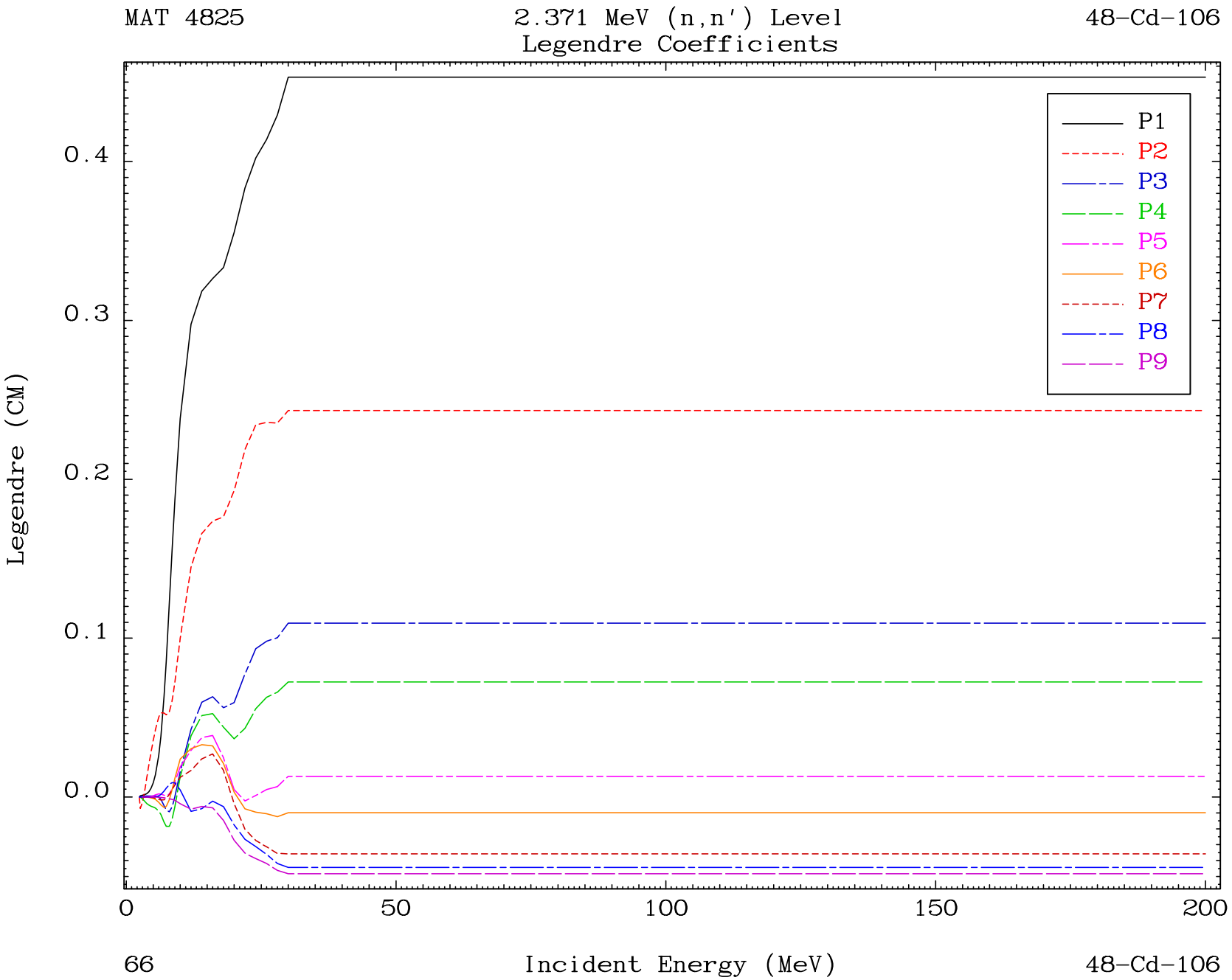

MAT 4825
2.339 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
61
Incident Energy (MeV)
48-Cd-106

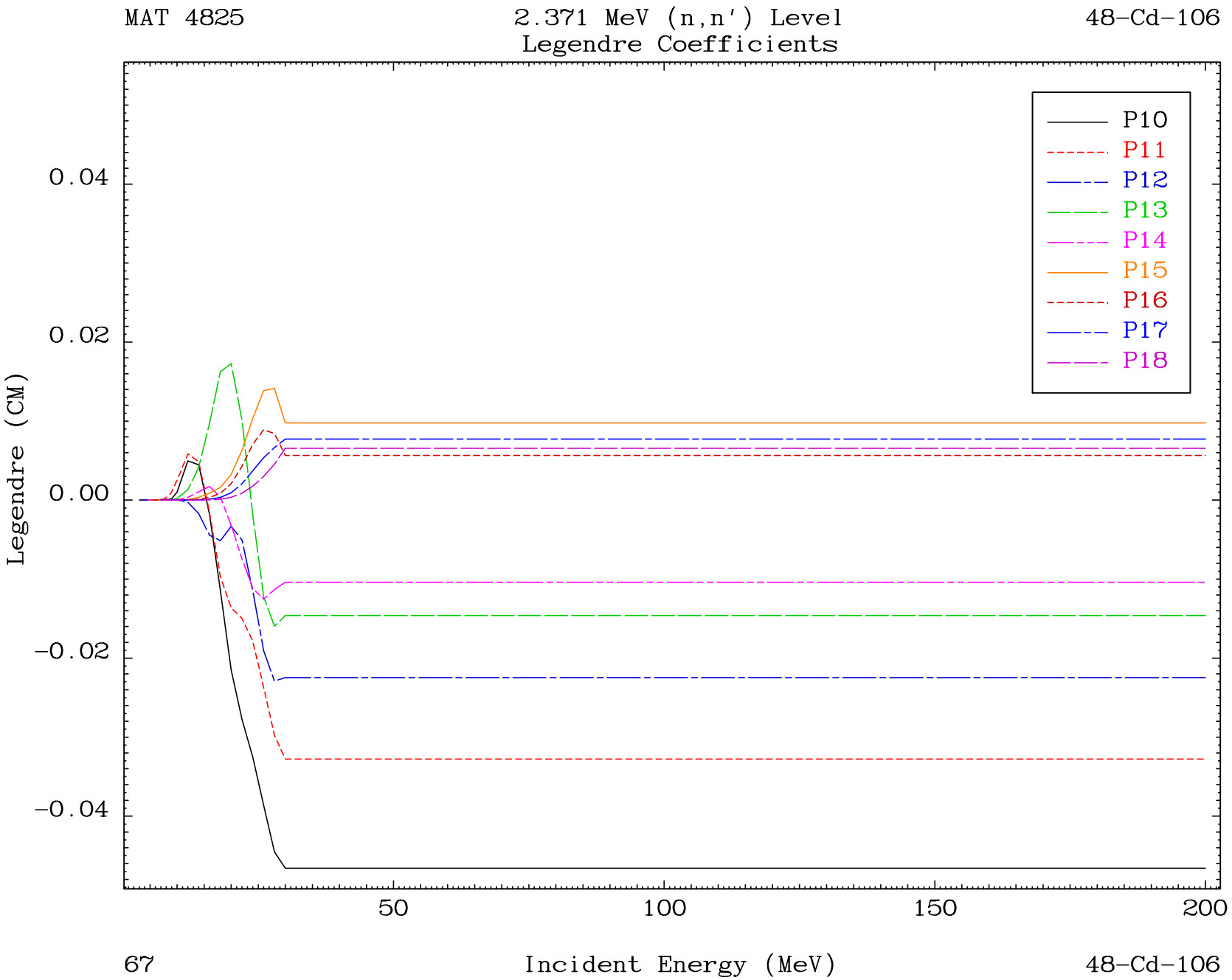

MAT 4825
2.348 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
62
Incident Energy (MeV)
48-Cd-106

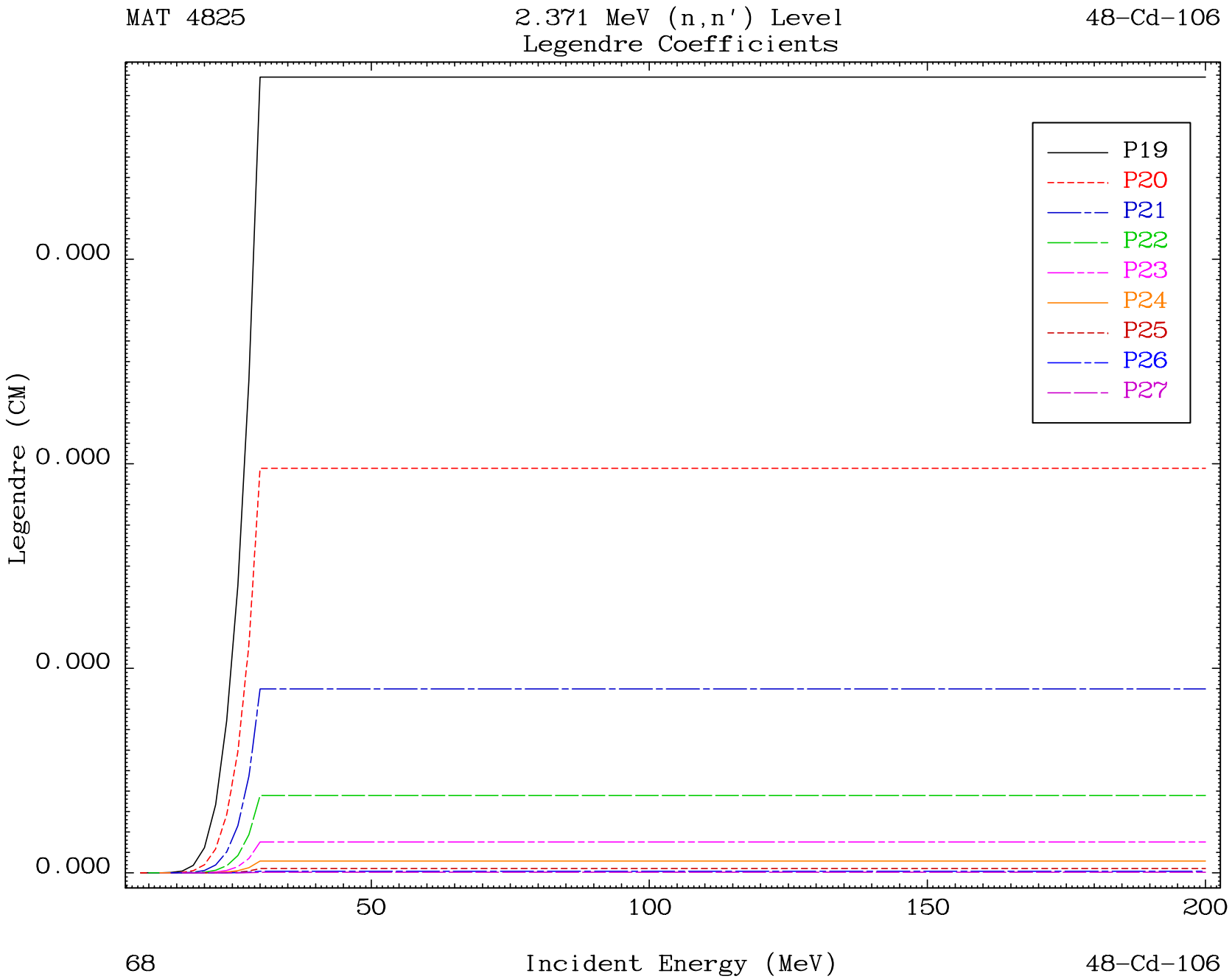

MAT 4825
2.348 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
48-Cd-106

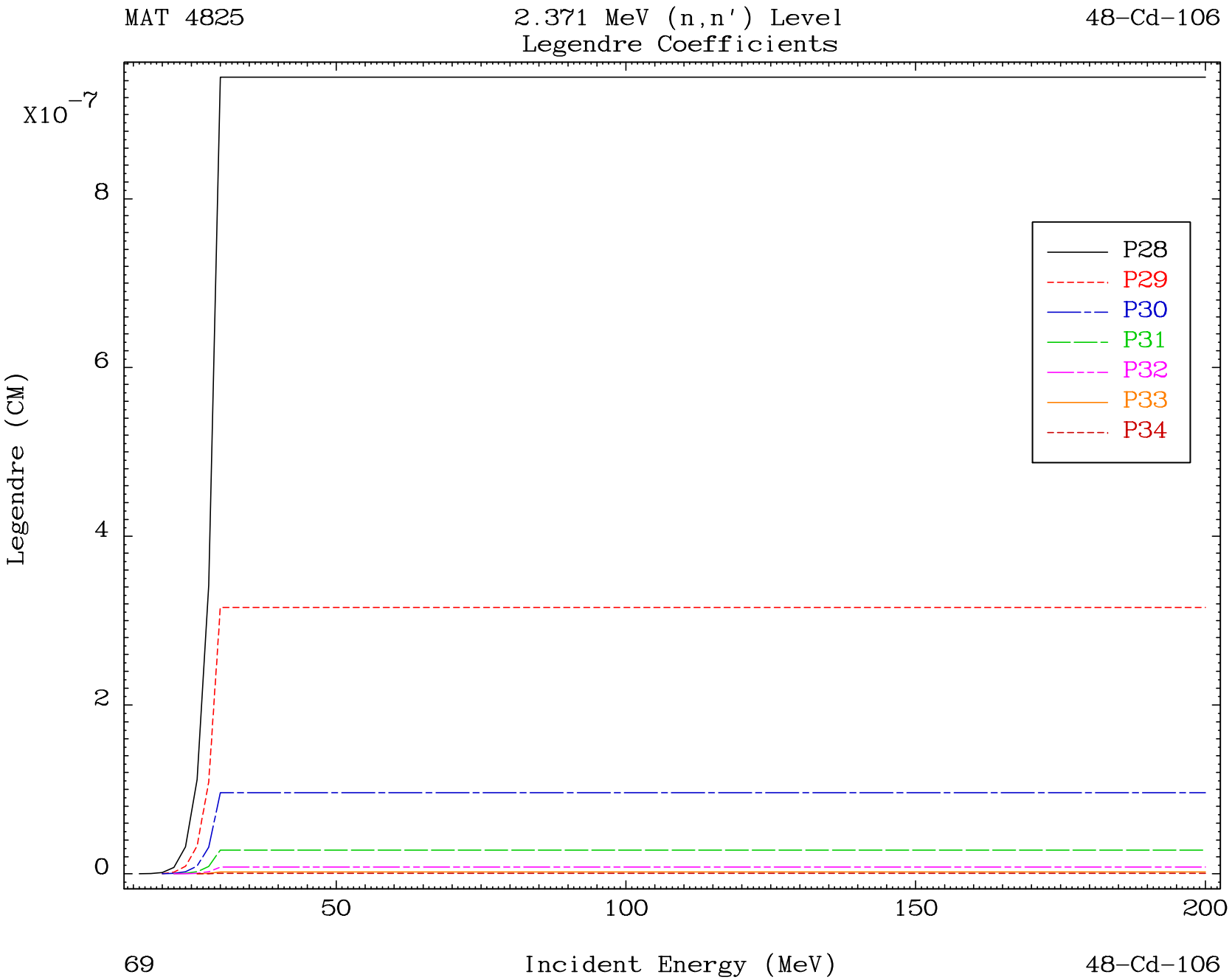

MAT 4825
2.348 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
48-Cd-106

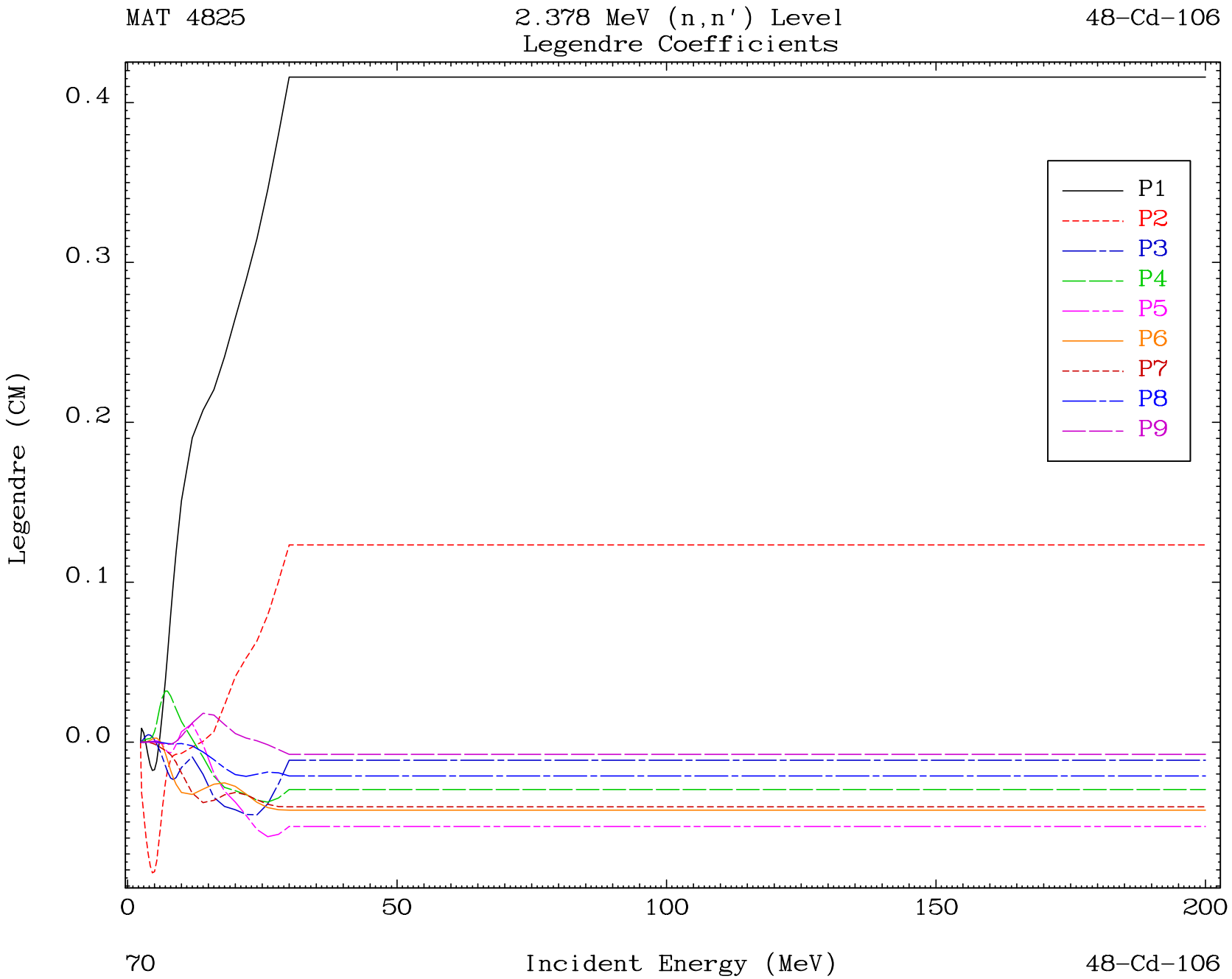

MAT 4825
2.348 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
65
Incident Energy (MeV)
48-Cd-106

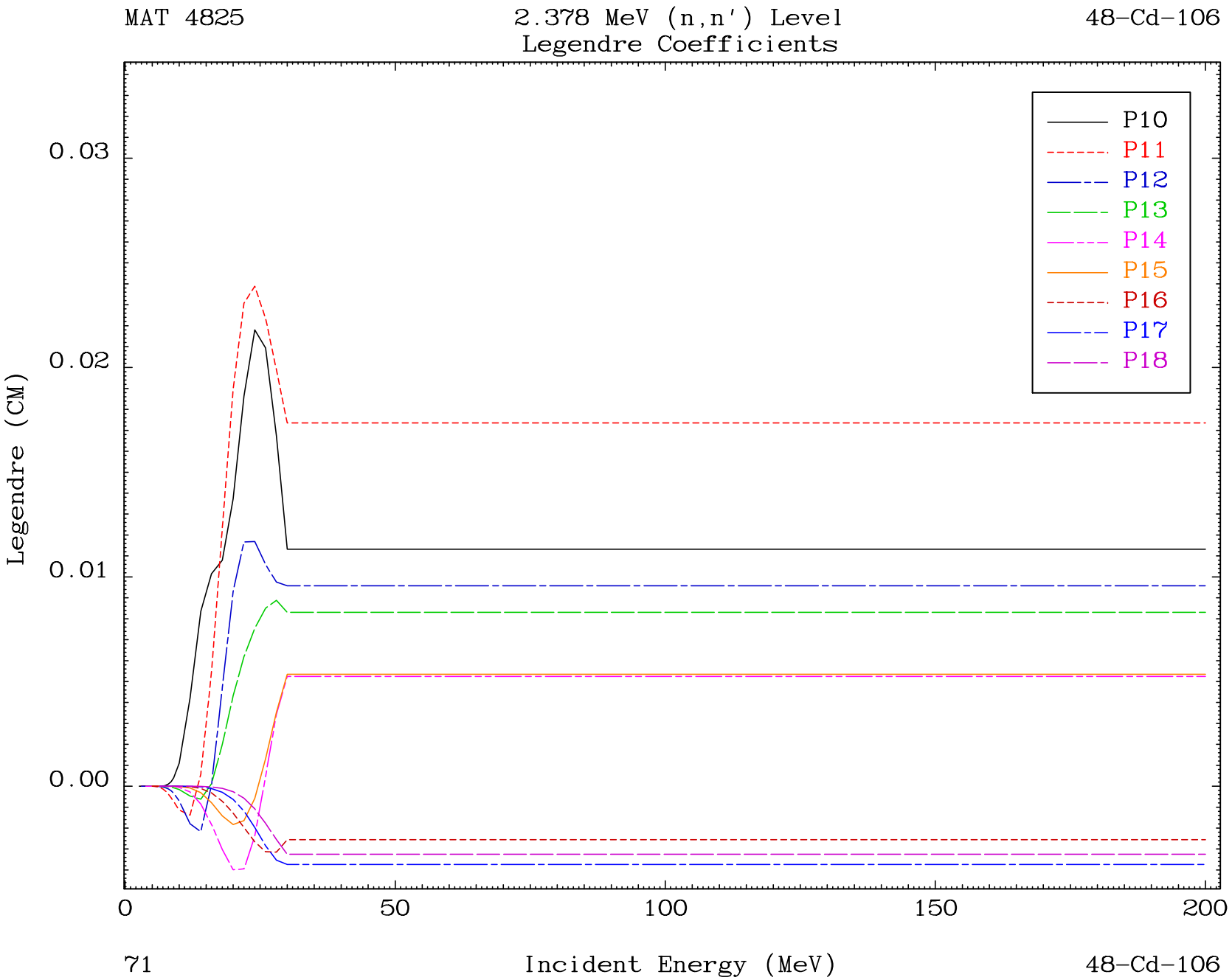

MAT 4825
2.371 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
66
Incident Energy (MeV)
48-Cd-106

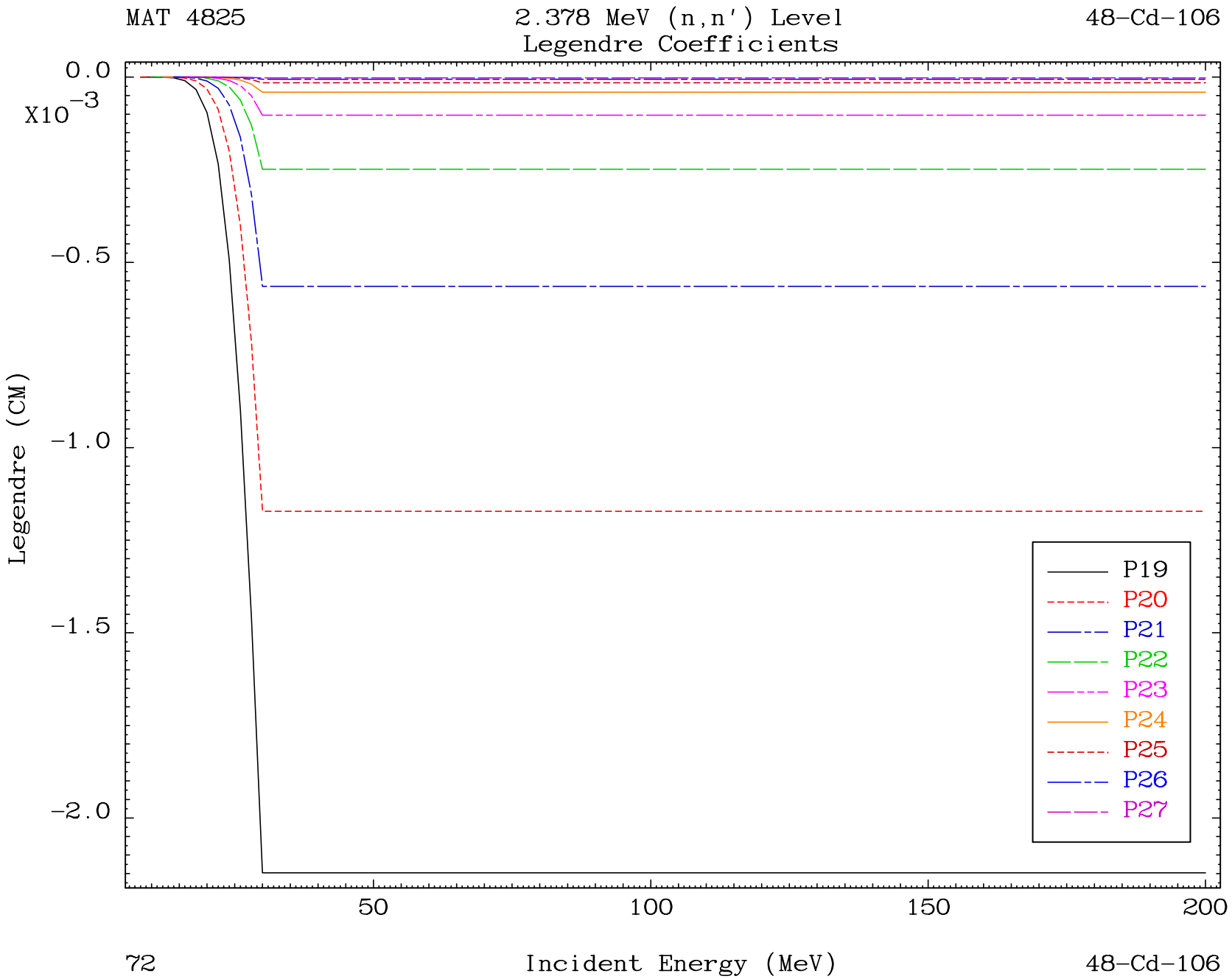

MAT 4825
2.371 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
48-Cd-106

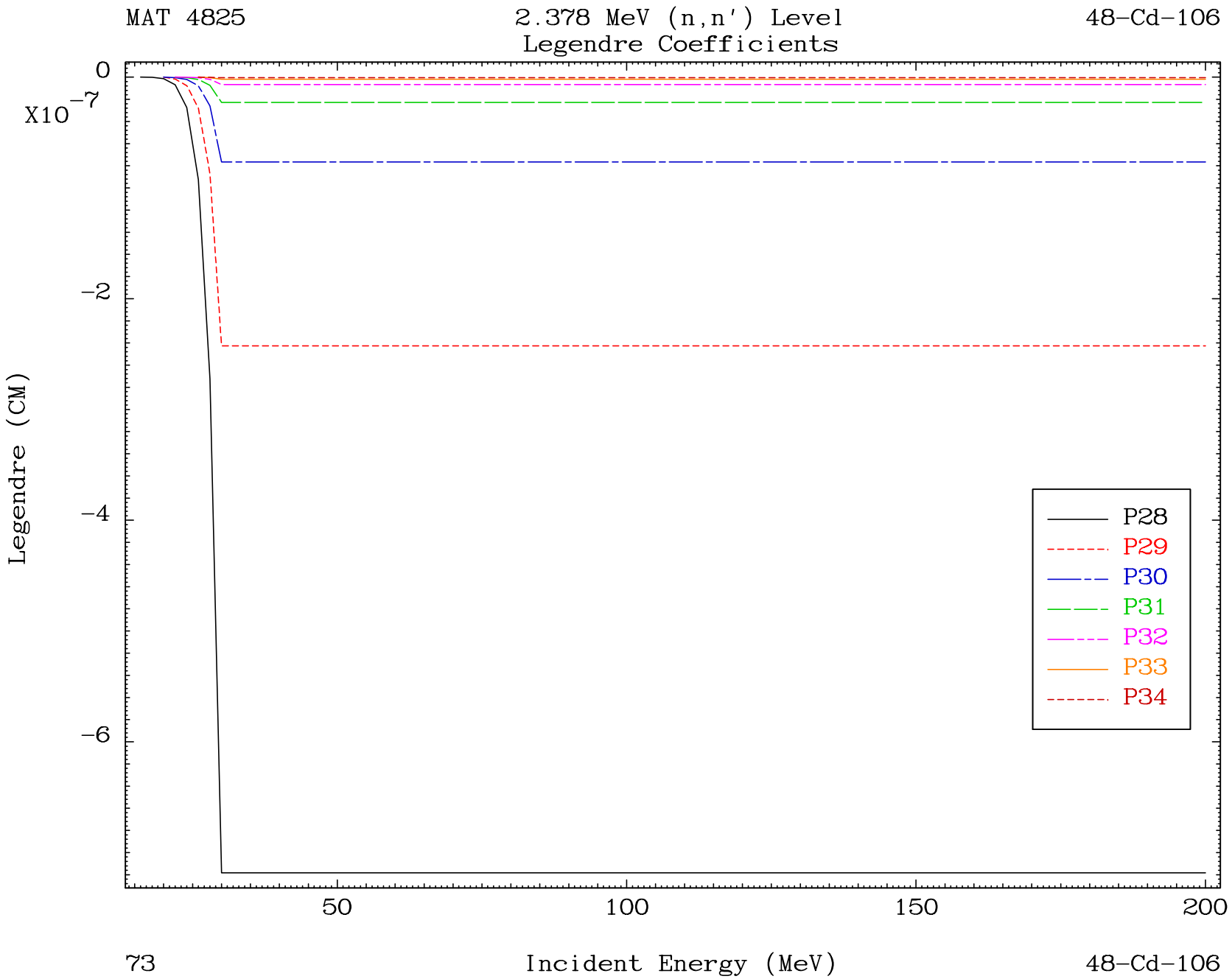

MAT 4825
2.371 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
48-Cd-106

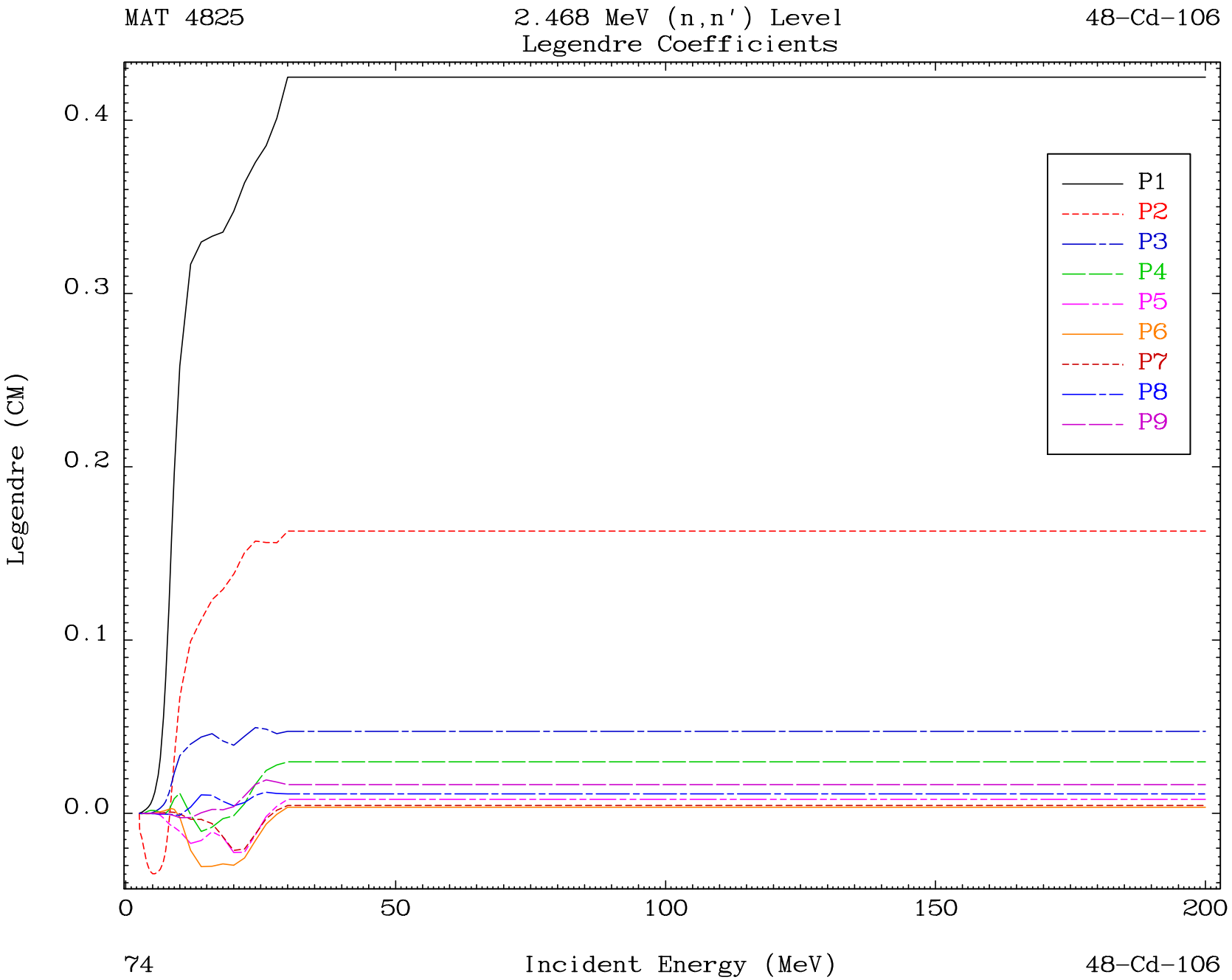

MAT 4825
2.371 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
69
Incident Energy (MeV)
48-Cd-106

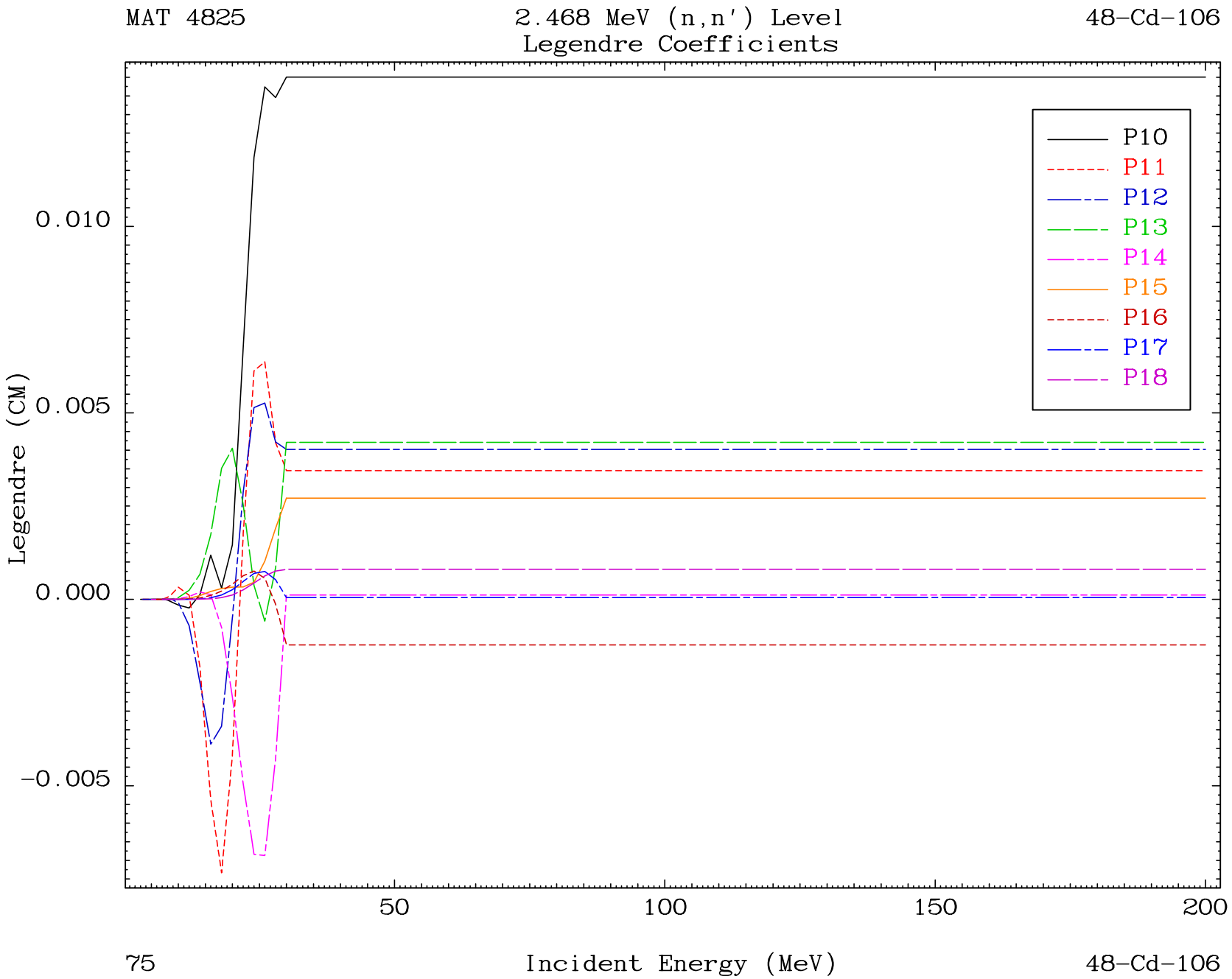

MAT 4825
2.378 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
70
Incident Energy (MeV)
48-Cd-106

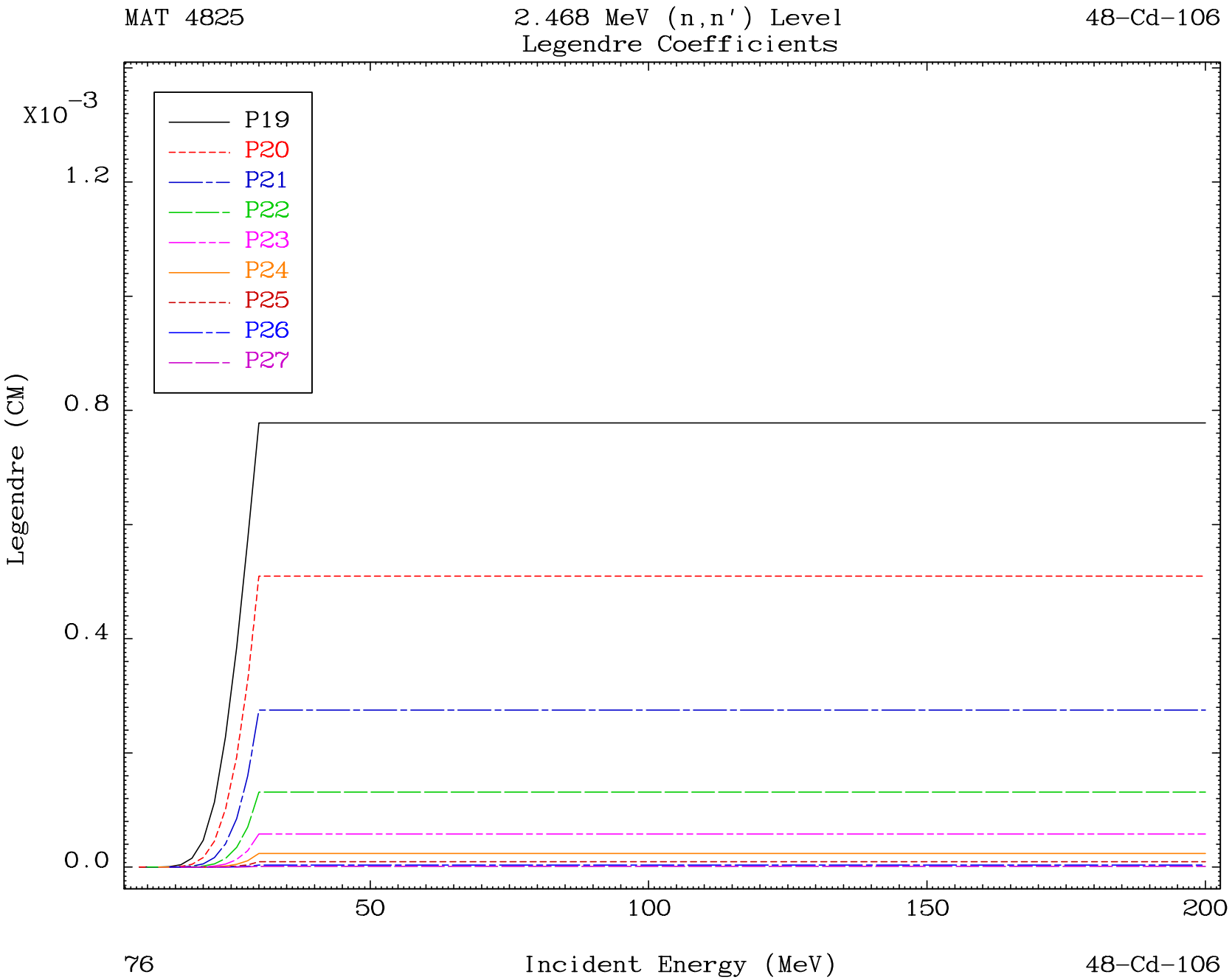

MAT 4825
2.378 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
71
Incident Energy (MeV)
48-Cd-106

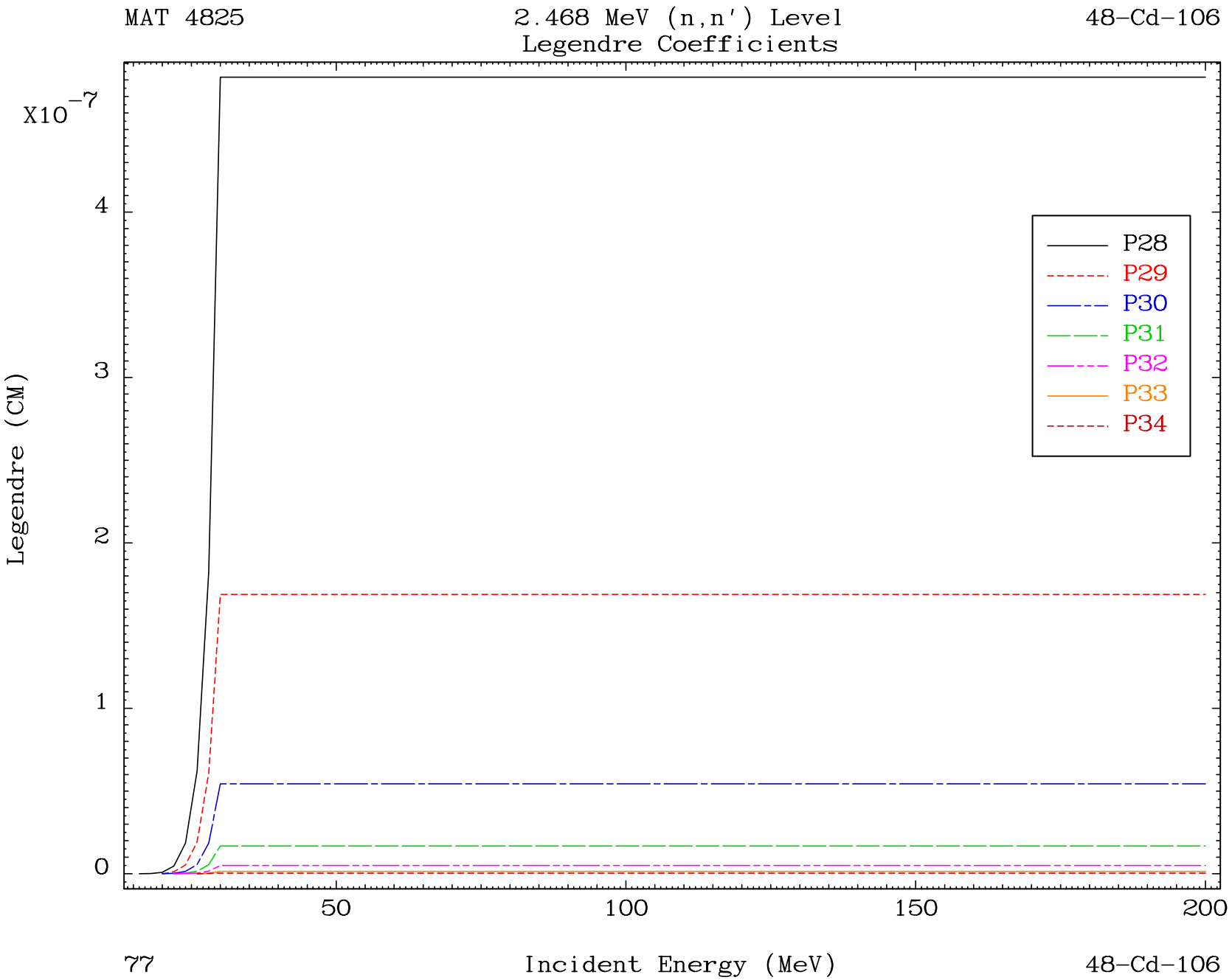

MAT 4825
2.378 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

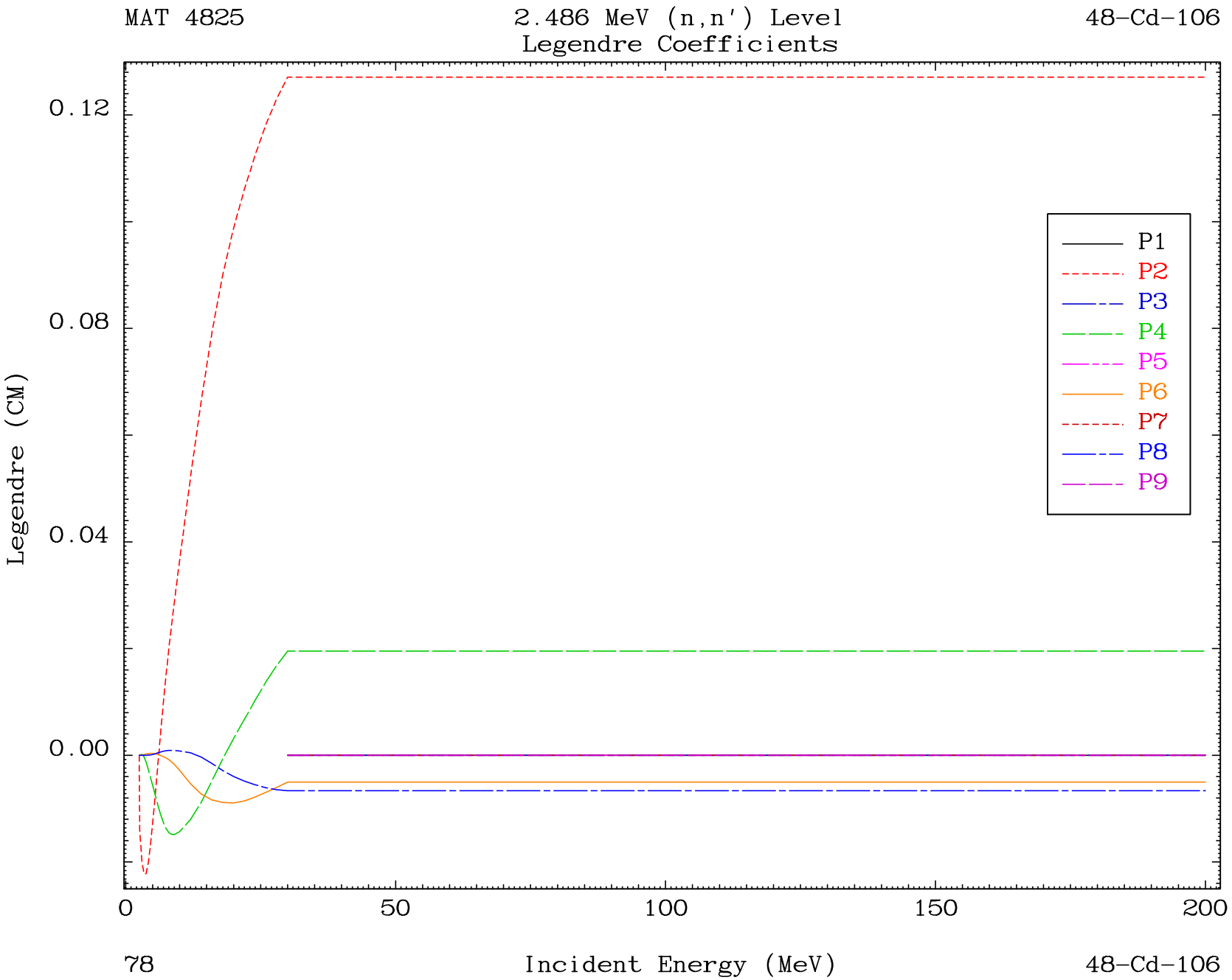

MAT 4825
2.378 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
73
Incident Energy (MeV)
48-Cd-106

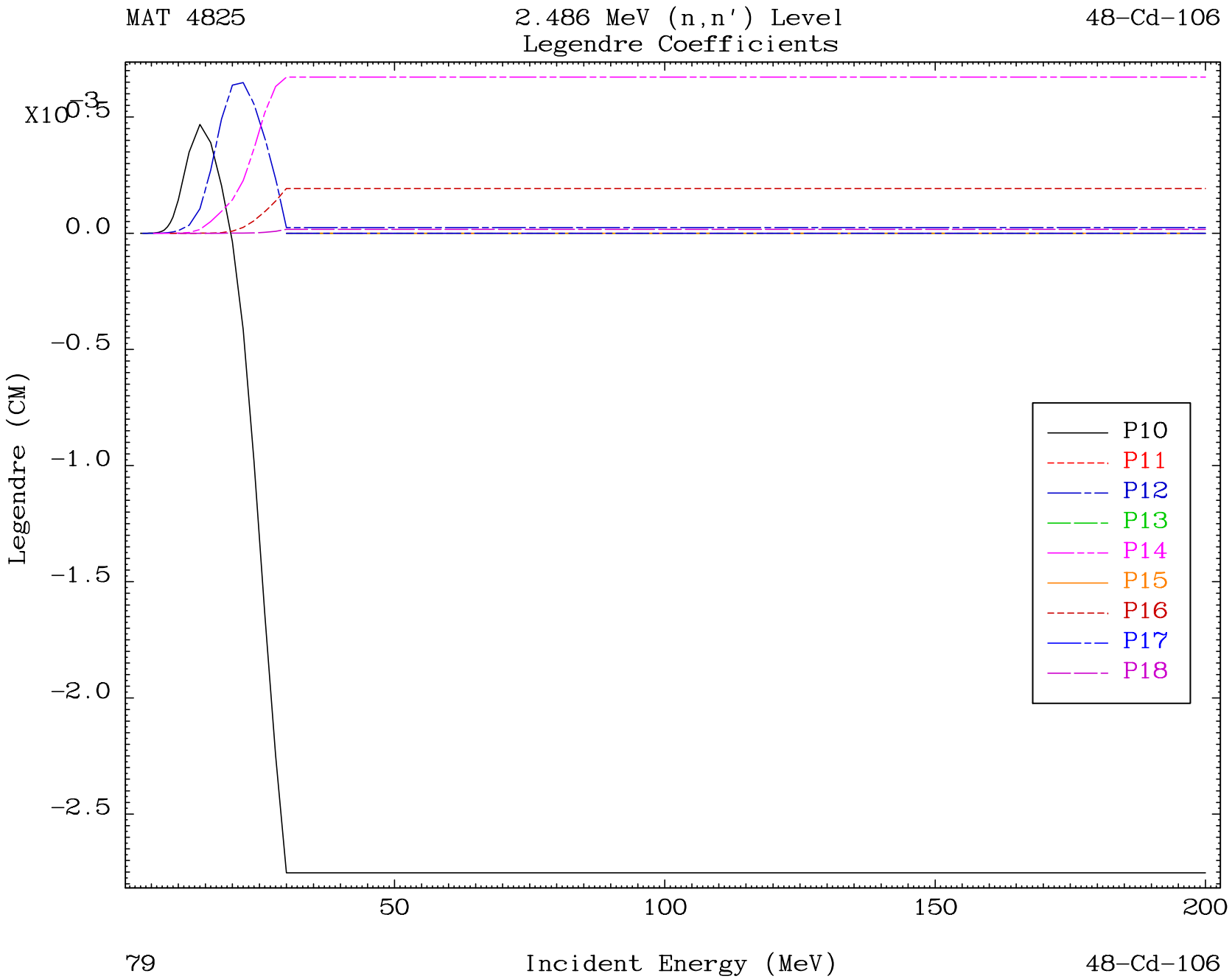

MAT 4825
2.468 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
74
Incident Energy (MeV)
48-Cd-106

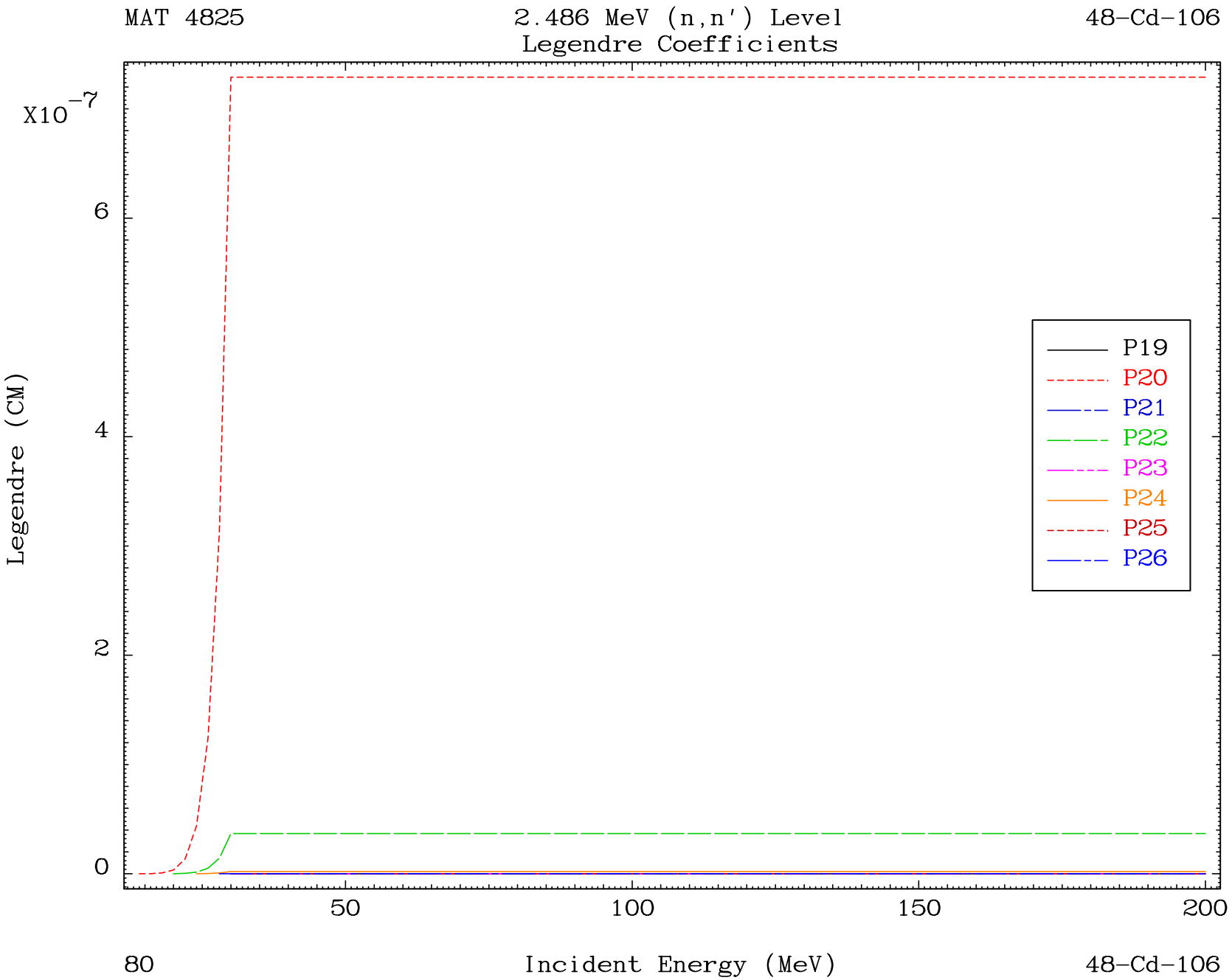

MAT 4825
2.468 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
48-Cd-106

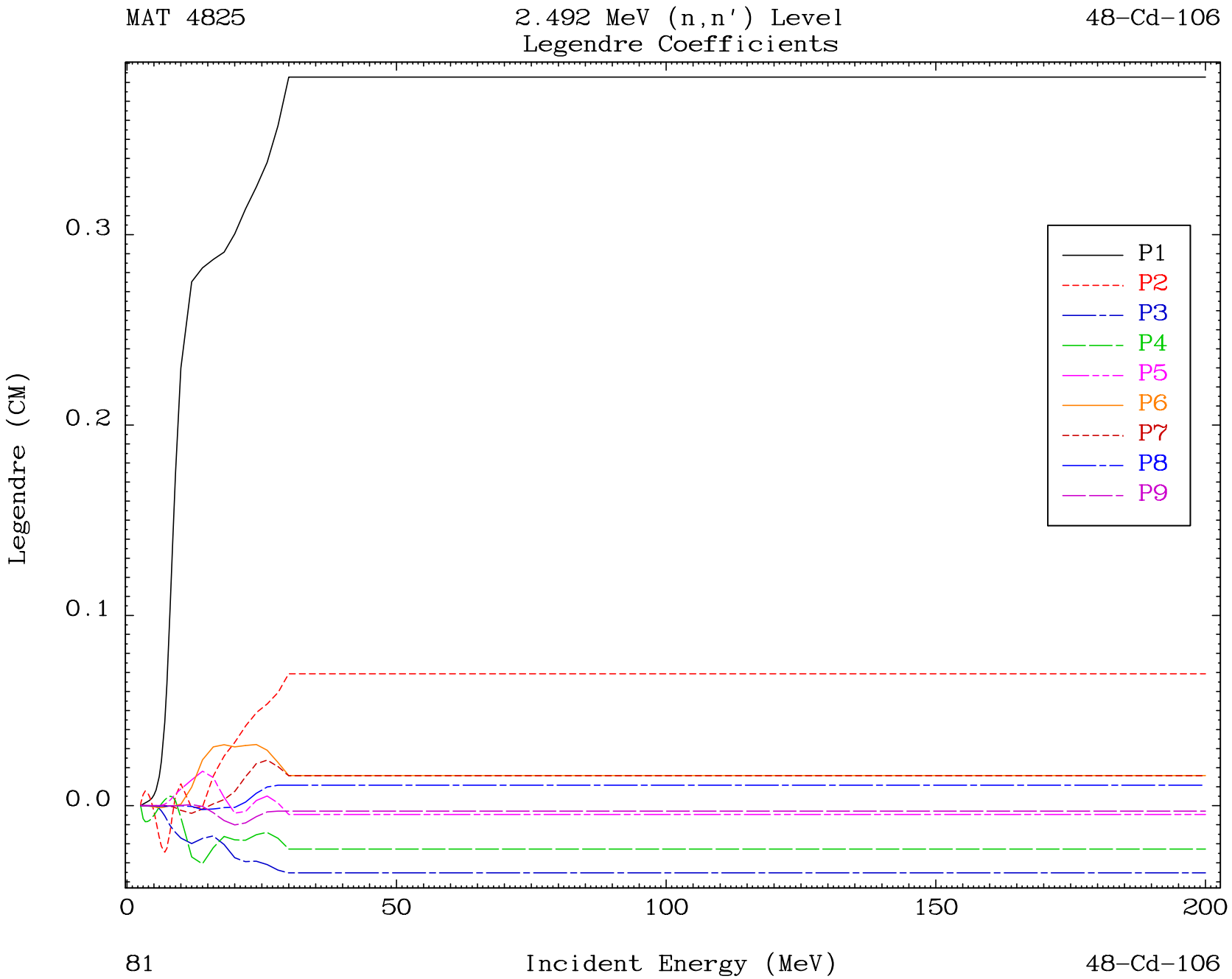

MAT 4825
2.468 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
76
Incident Energy (MeV)
48-Cd-106

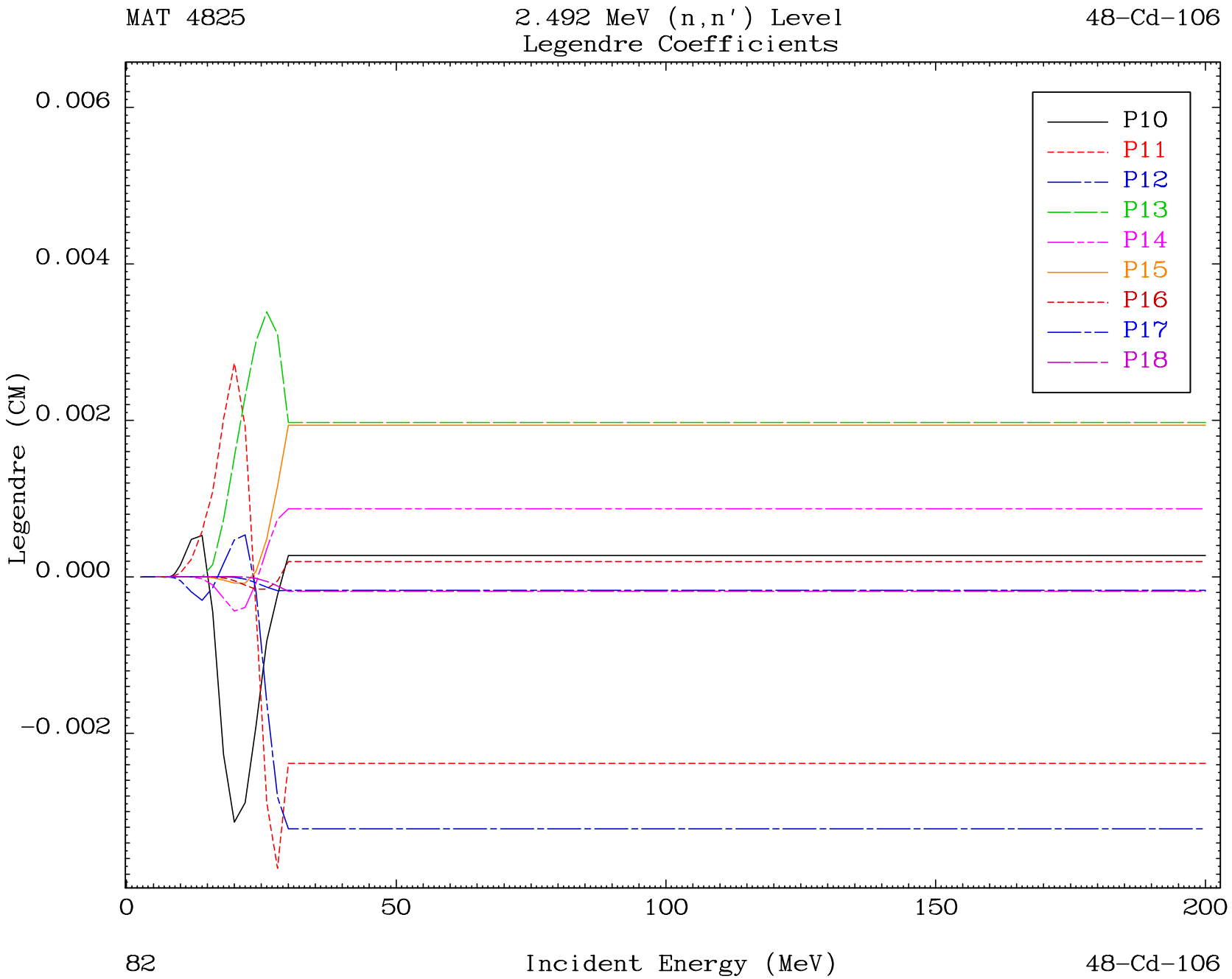

MAT 4825
2.468 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
77
Incident Energy (MeV)
48-Cd-106

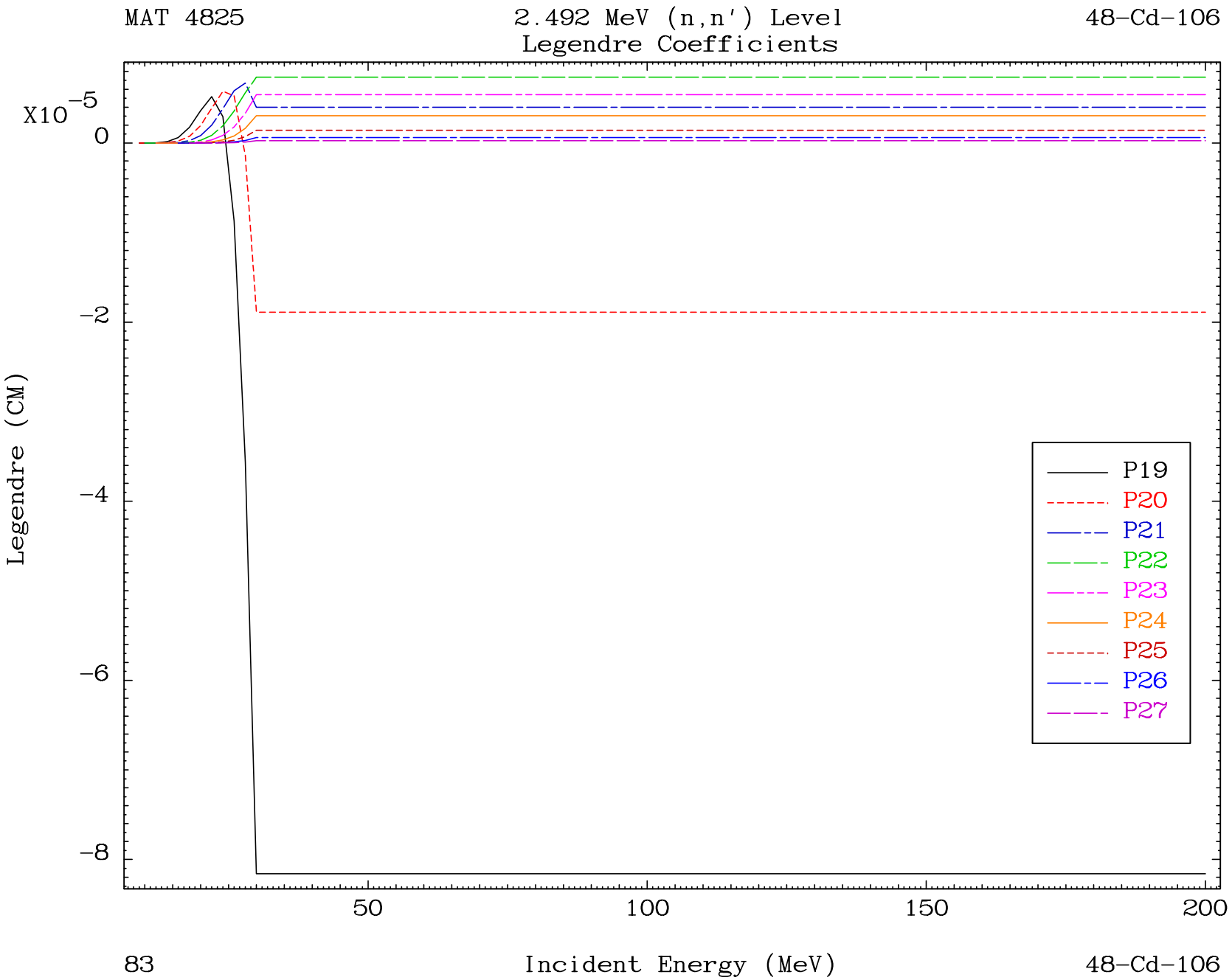

MAT 4825
2.486 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
78
Incident Energy (MeV)
48-Cd-106

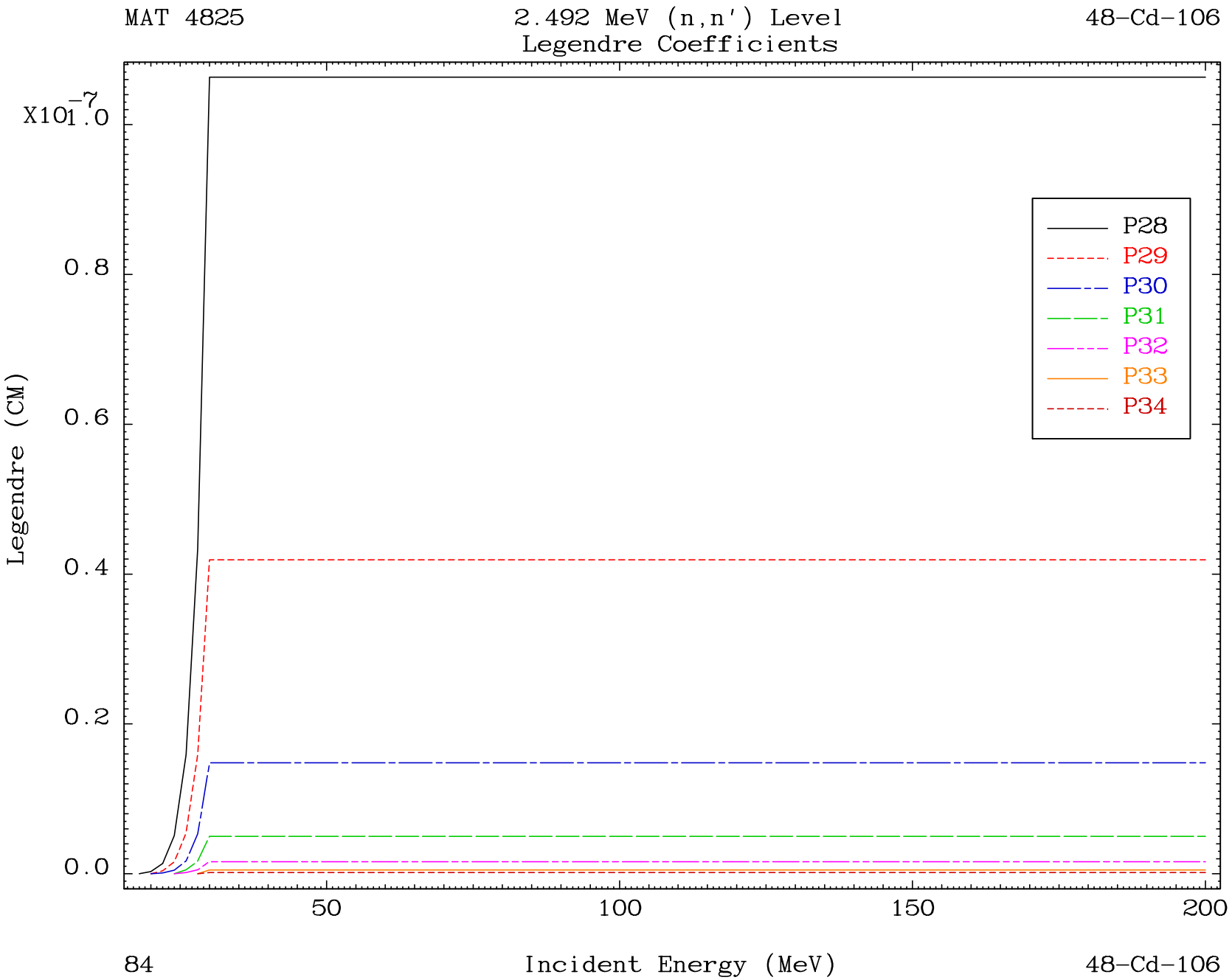

MAT 4825
2.486 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
79
Incident Energy (MeV)
48-Cd-106

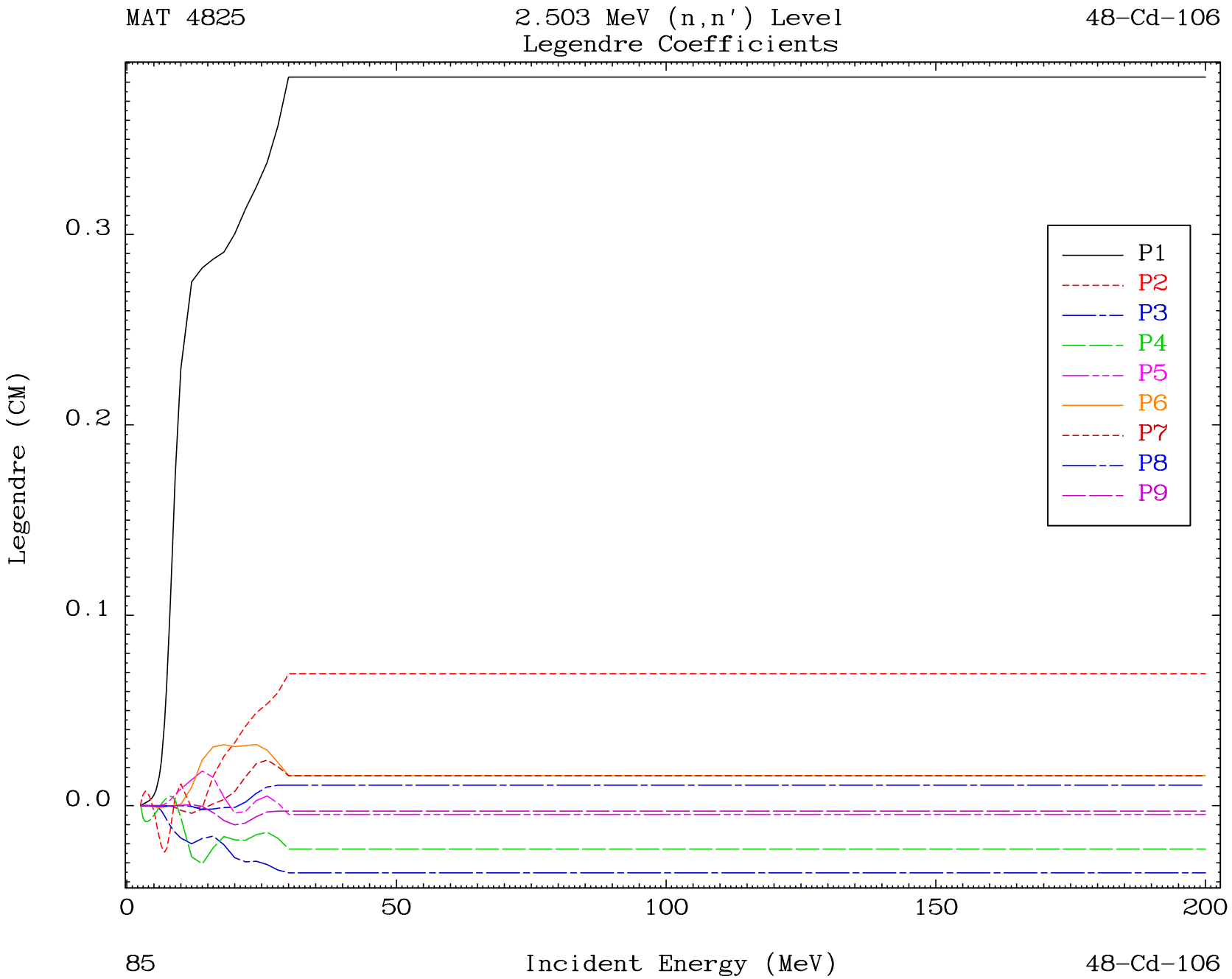

MAT 4825
2.486 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-7
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
80
Incident Energy (MeV)
48-Cd-106

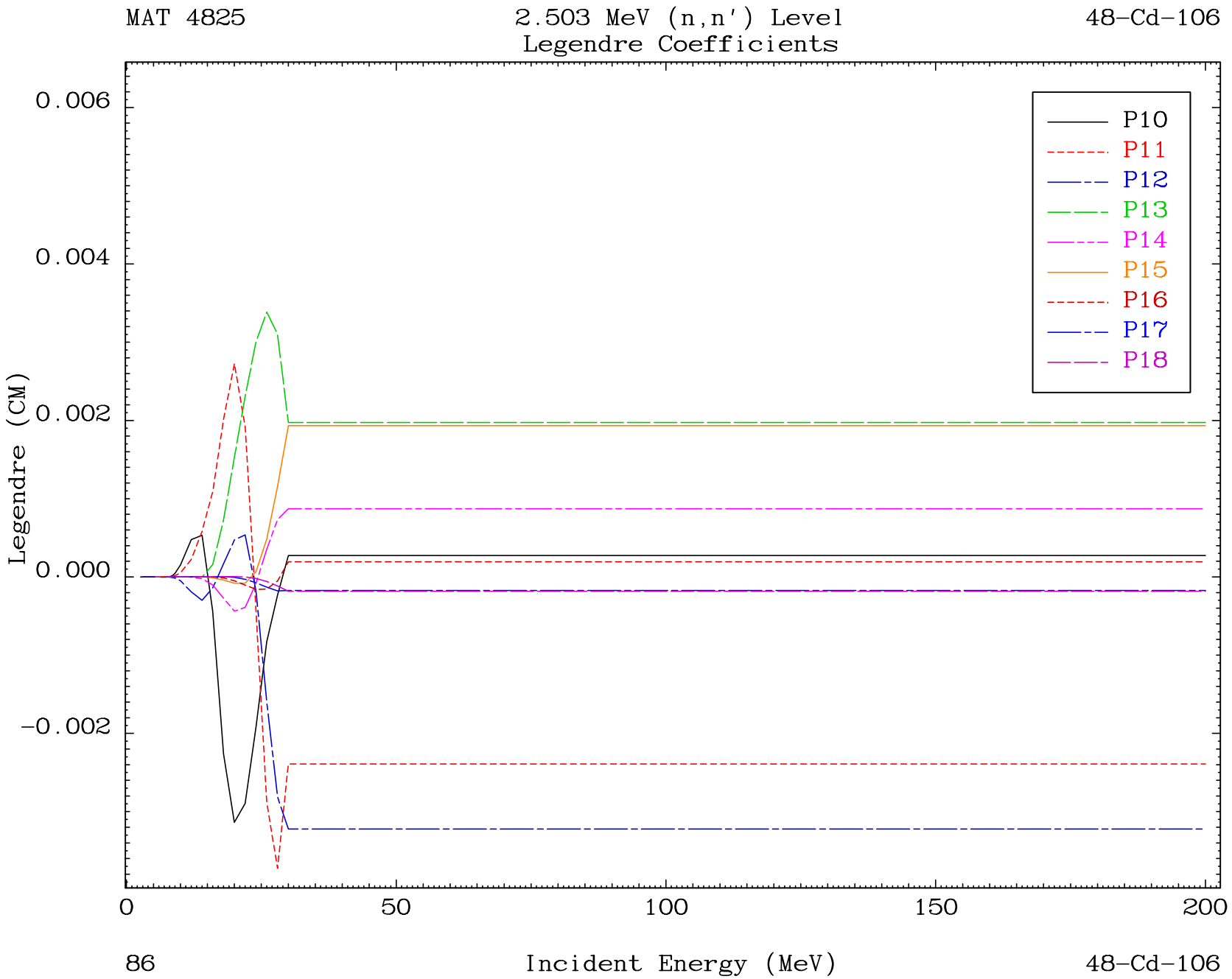

MAT 4825
2.492 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
81
Incident Energy (MeV)
48-Cd-106

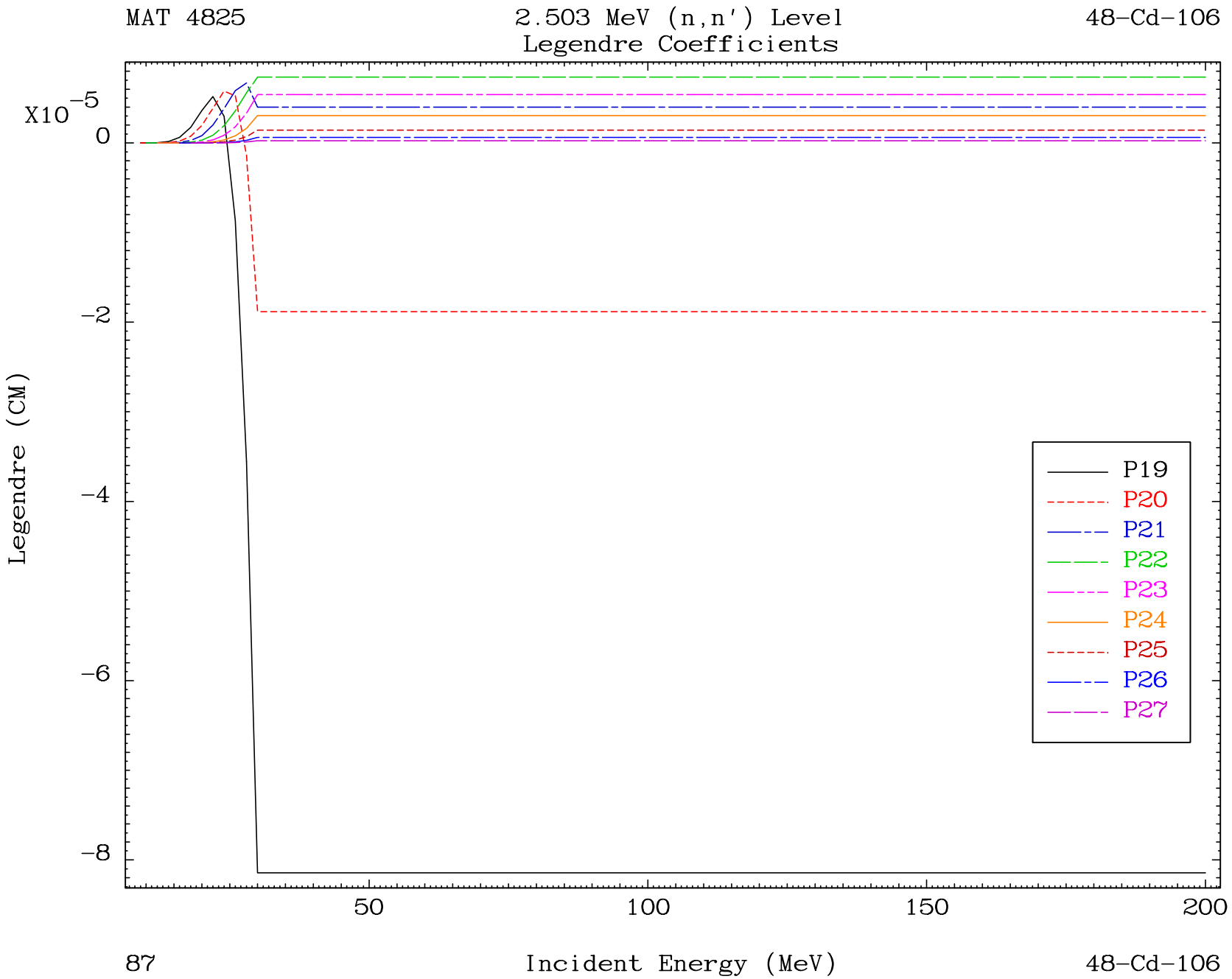

MAT 4825
2.492 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
82
Incident Energy (MeV)
48-Cd-106

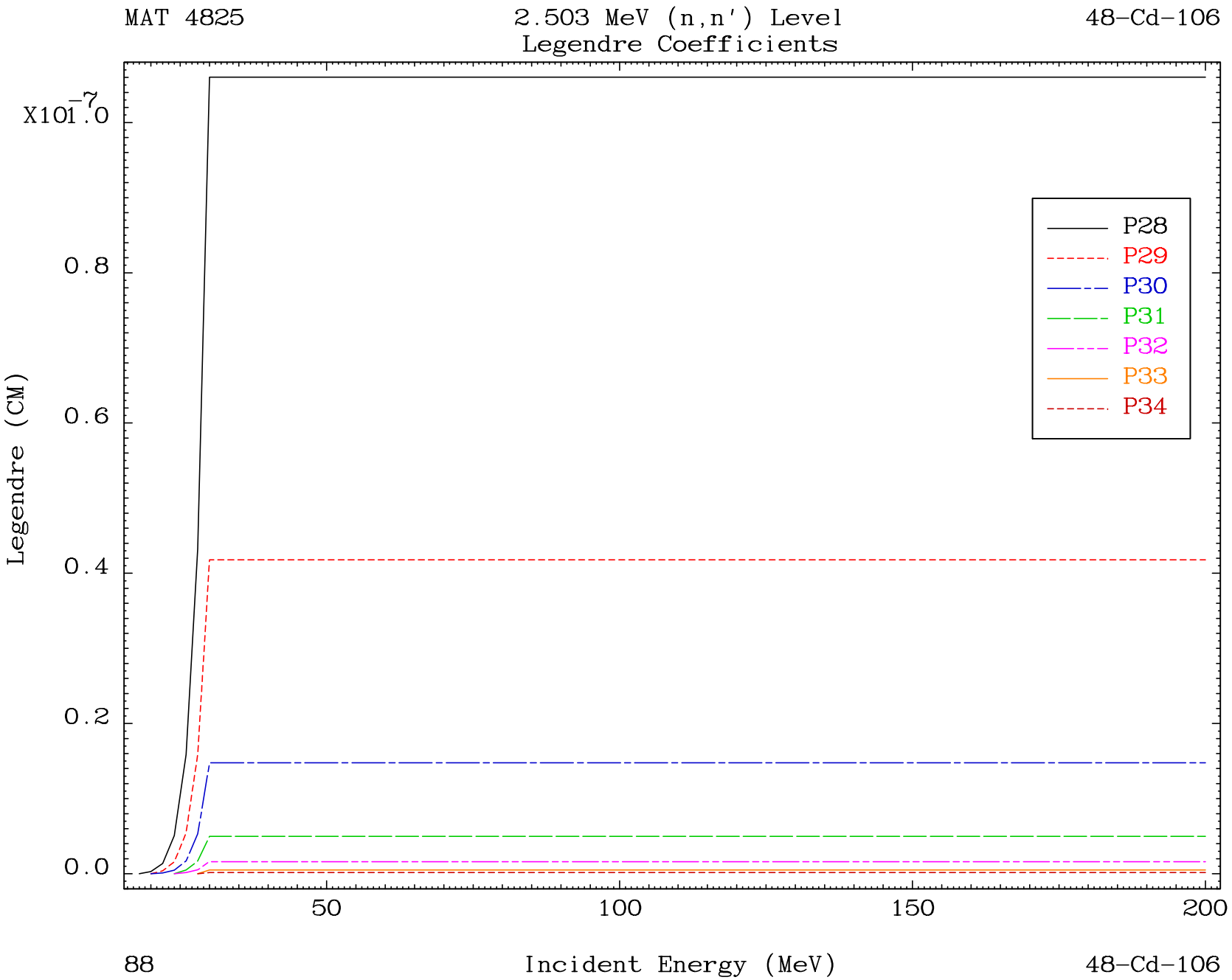

MAT 4825
2.492 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-5
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
83
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

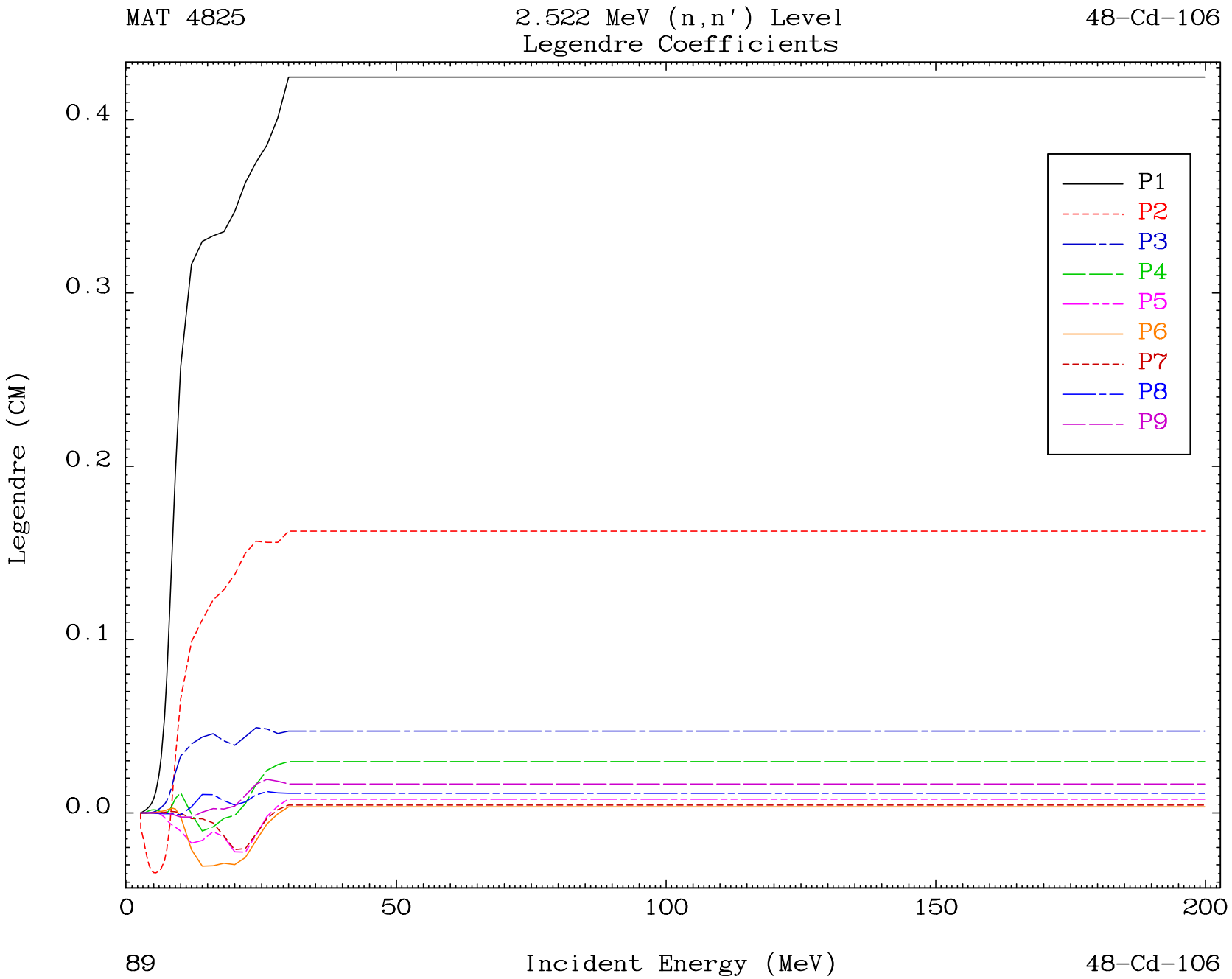

MAT 4825
2.492 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-7
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
84
Incident Energy (MeV)
48-Cd-106

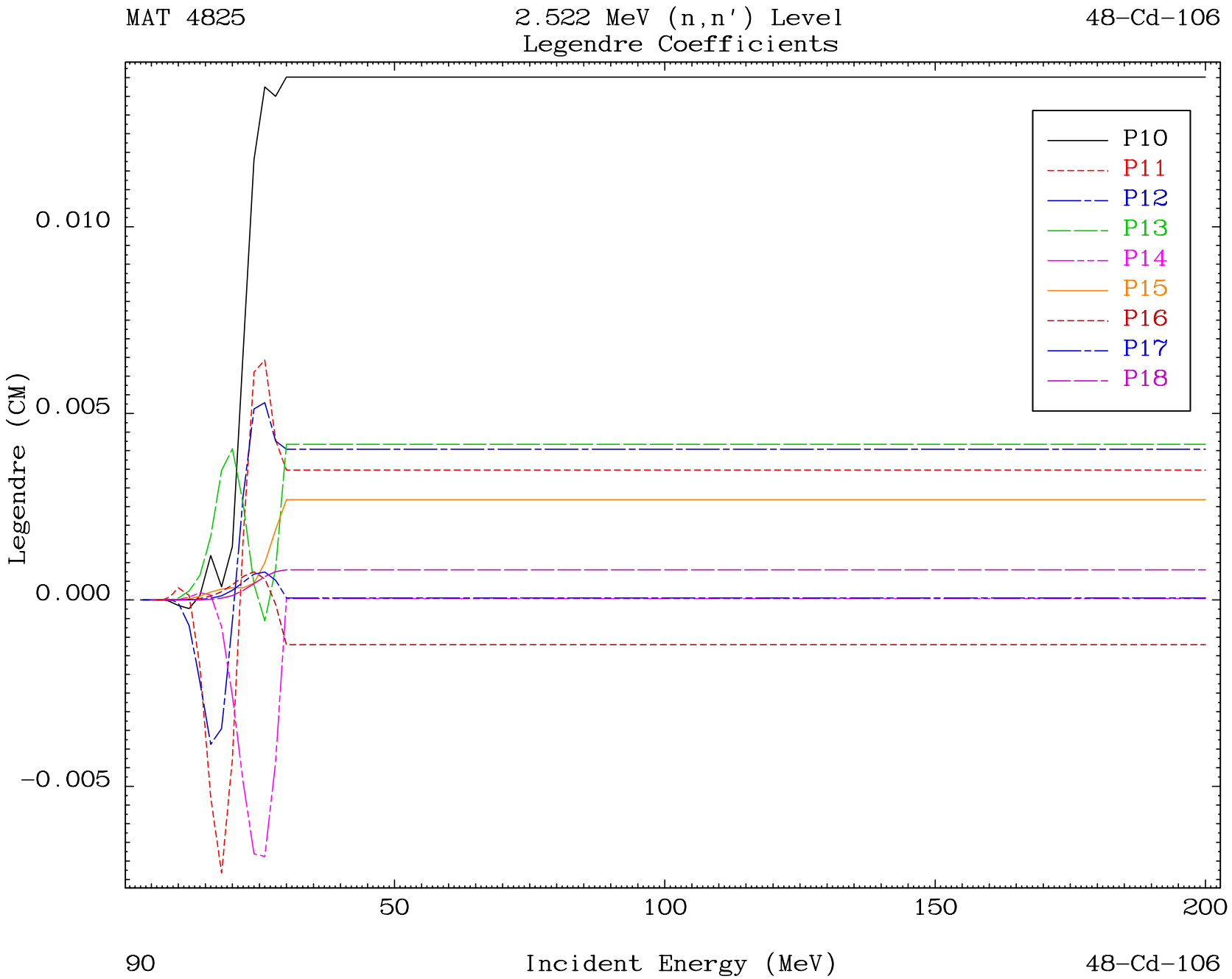

MAT 4825
2.503 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
85
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

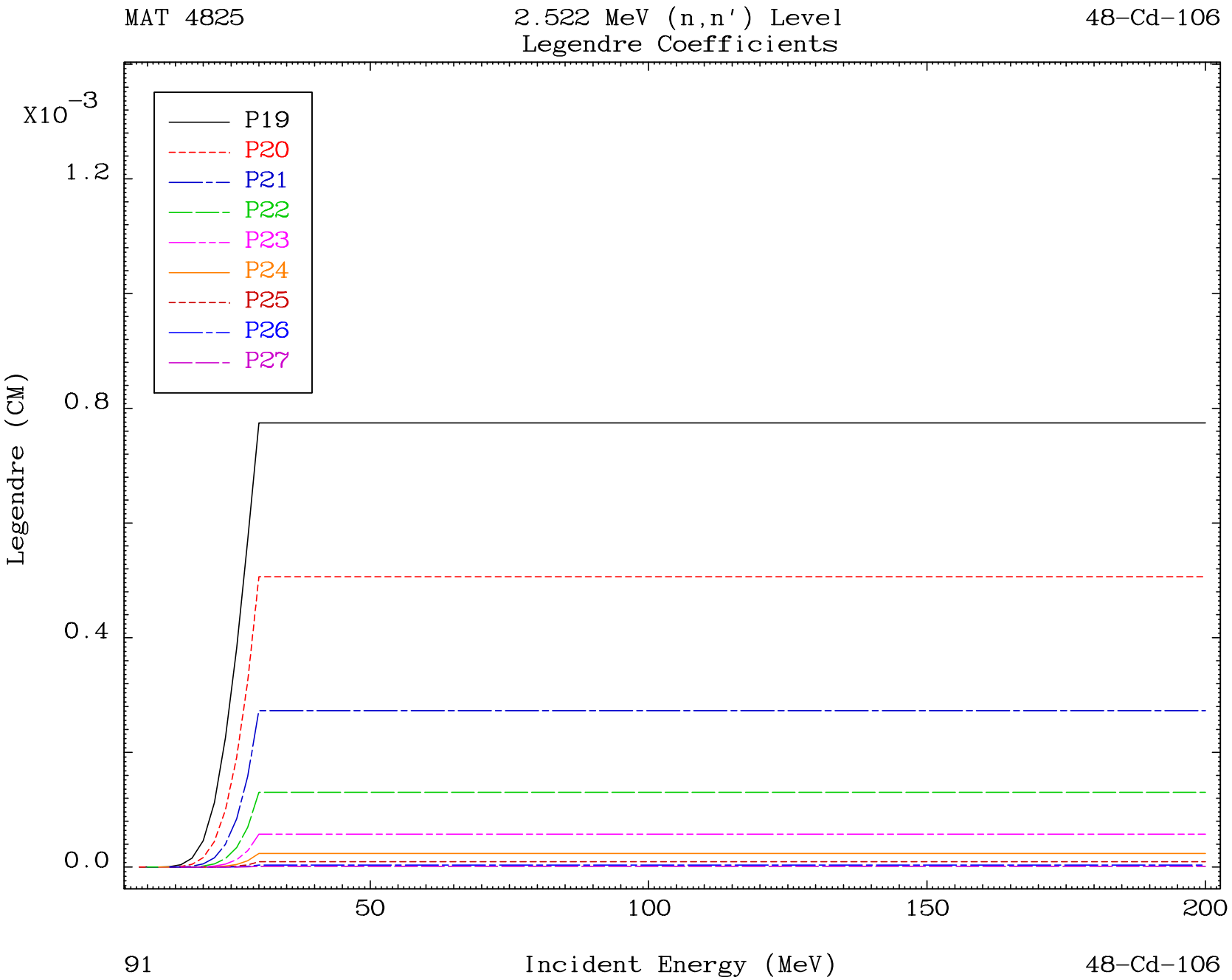

MAT 4825
2.503 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
86
Incident Energy (MeV)
48-Cd-106

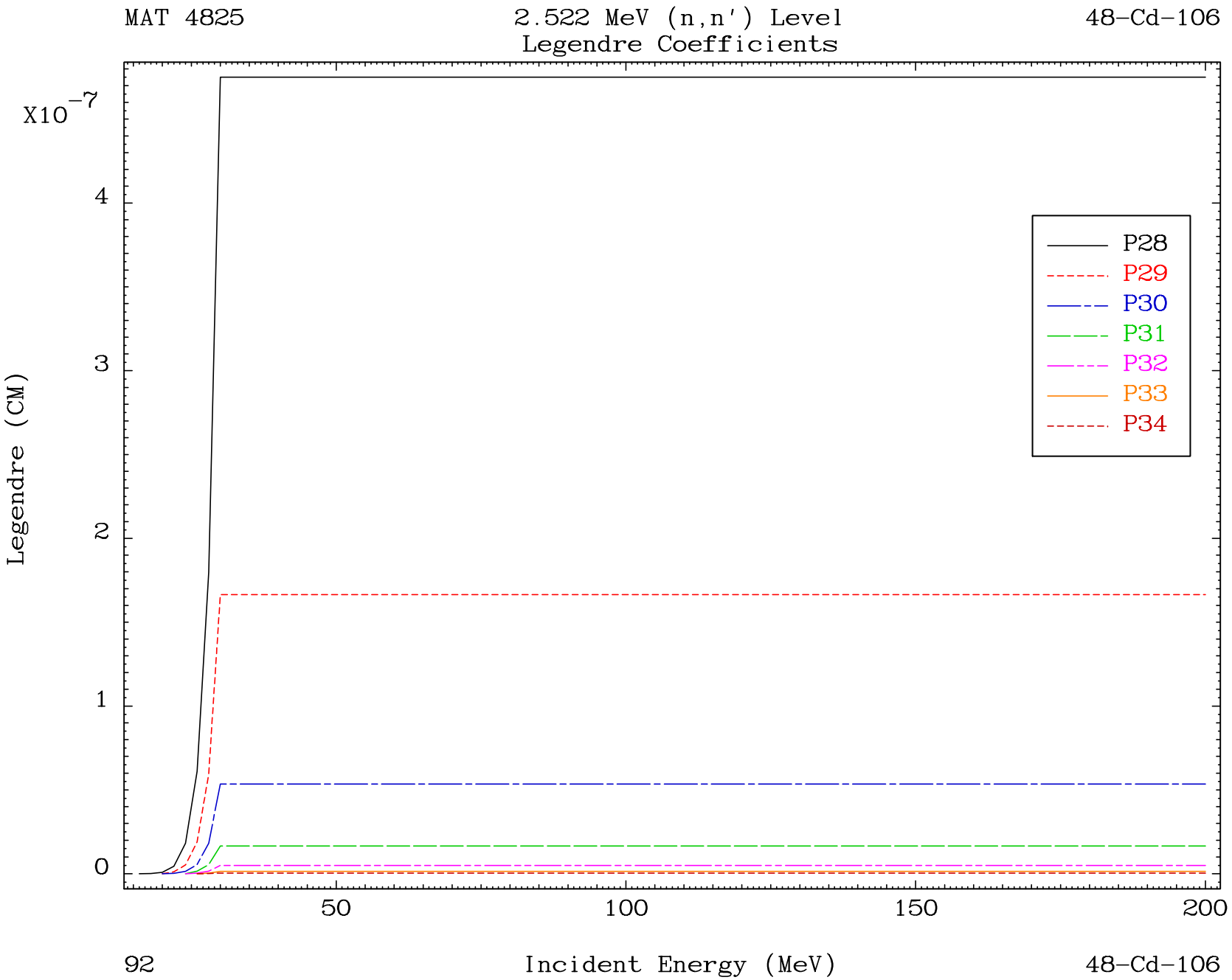

MAT 4825
2.503 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-5
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

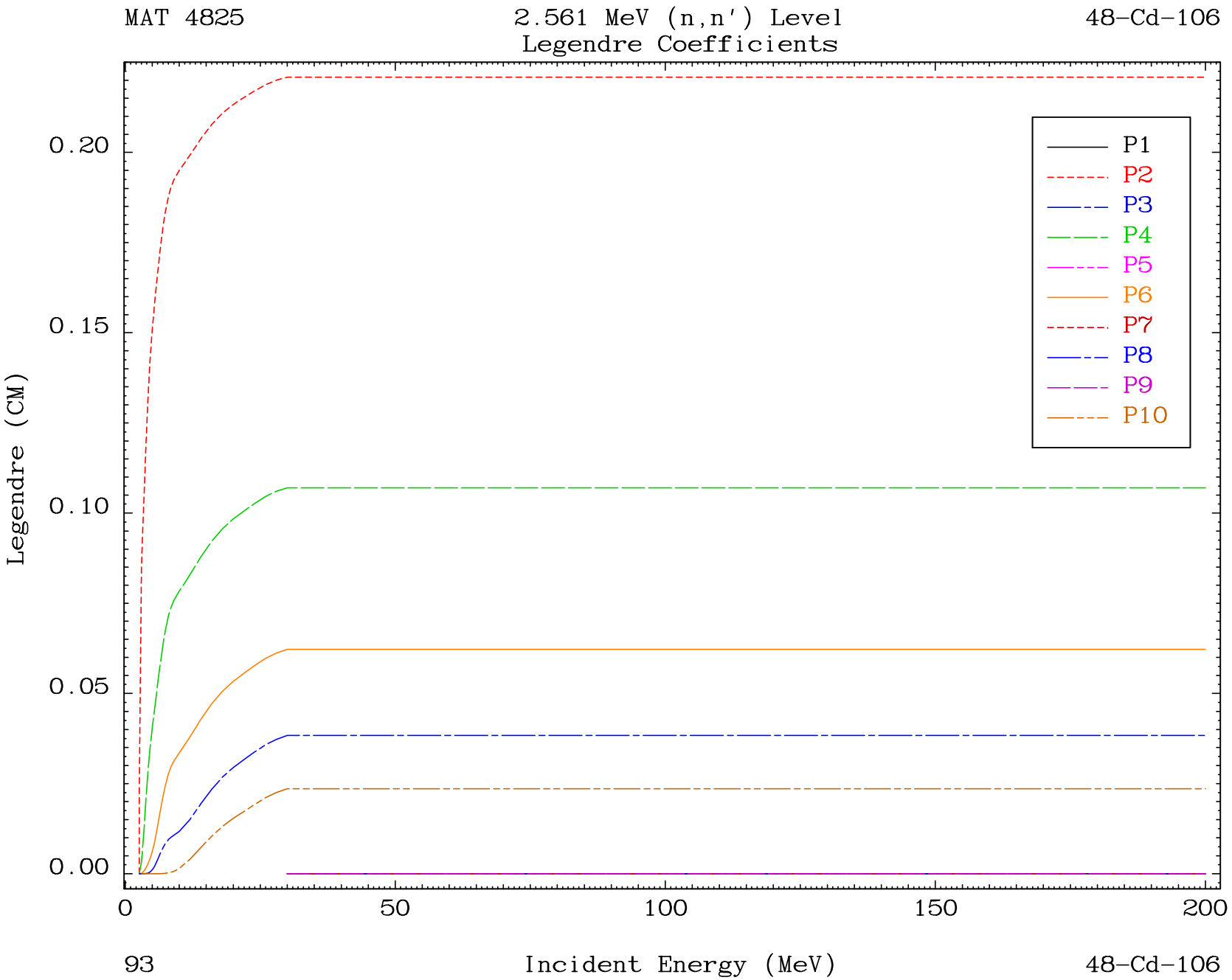

MAT 4825
2.503 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-7
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
88
Incident Energy (MeV)
48-Cd-106

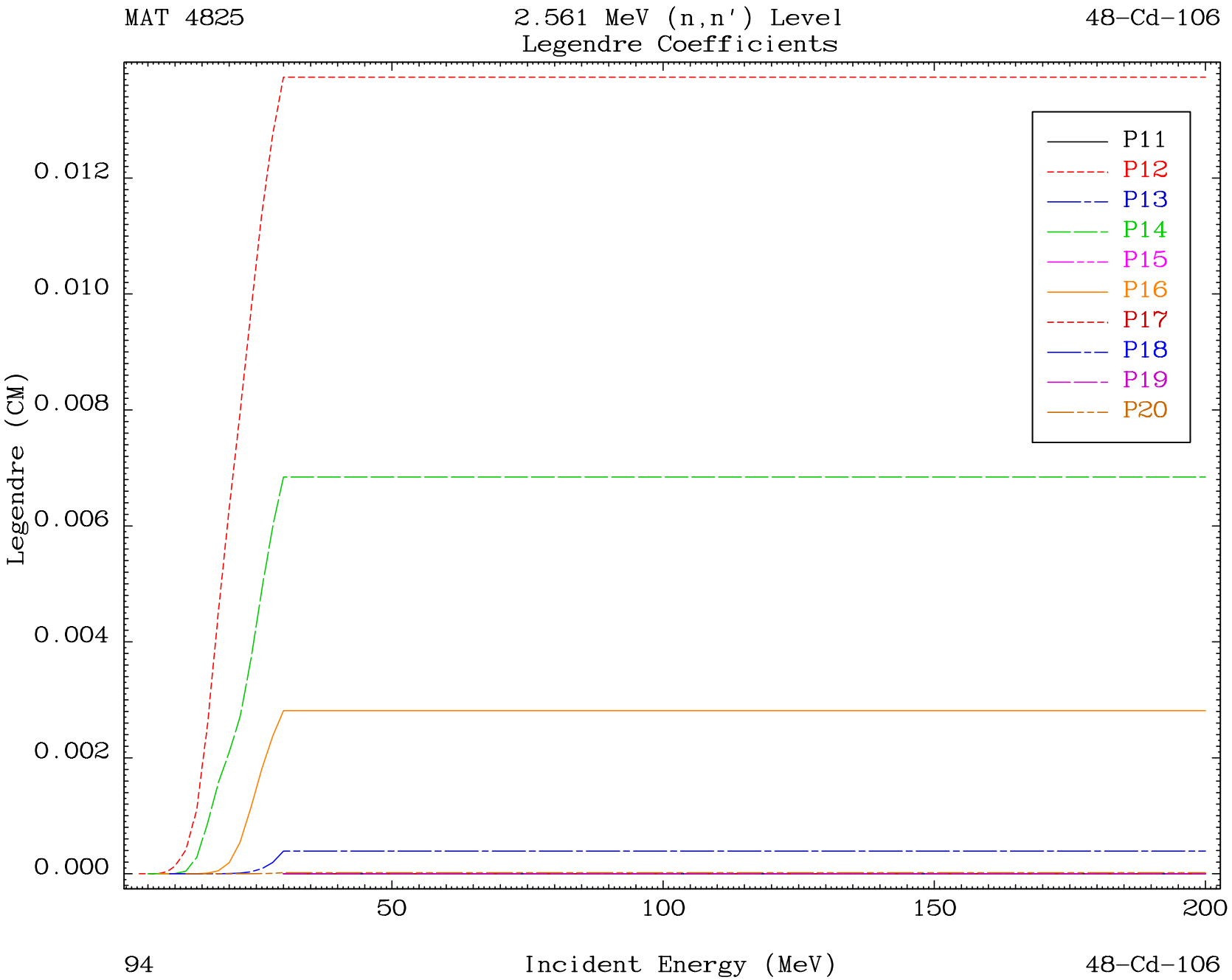

MAT 4825
2.522 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
89
Incident Energy (MeV)
48-Cd-106

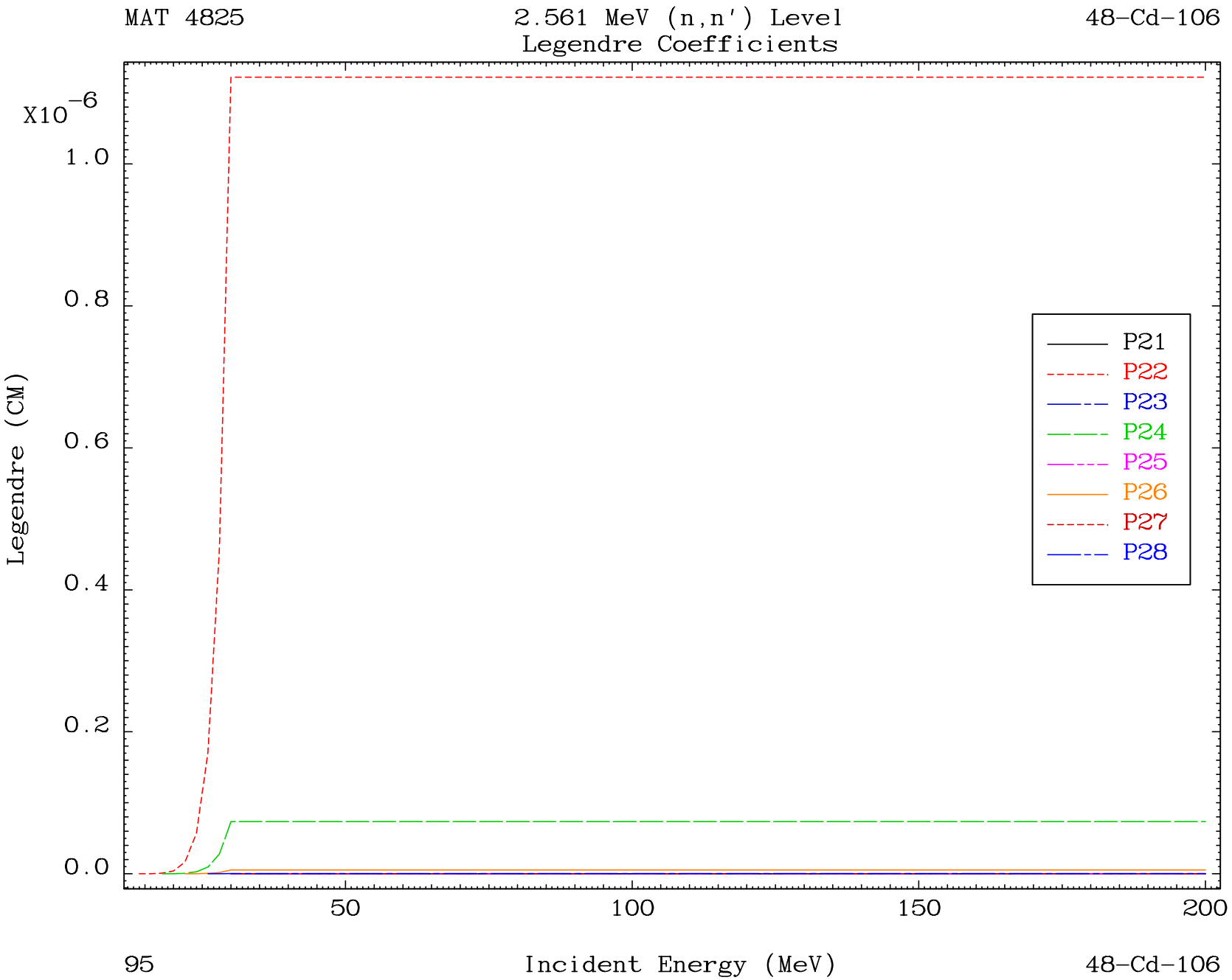

MAT 4825
2.522 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
90
Incident Energy (MeV)
48-Cd-106

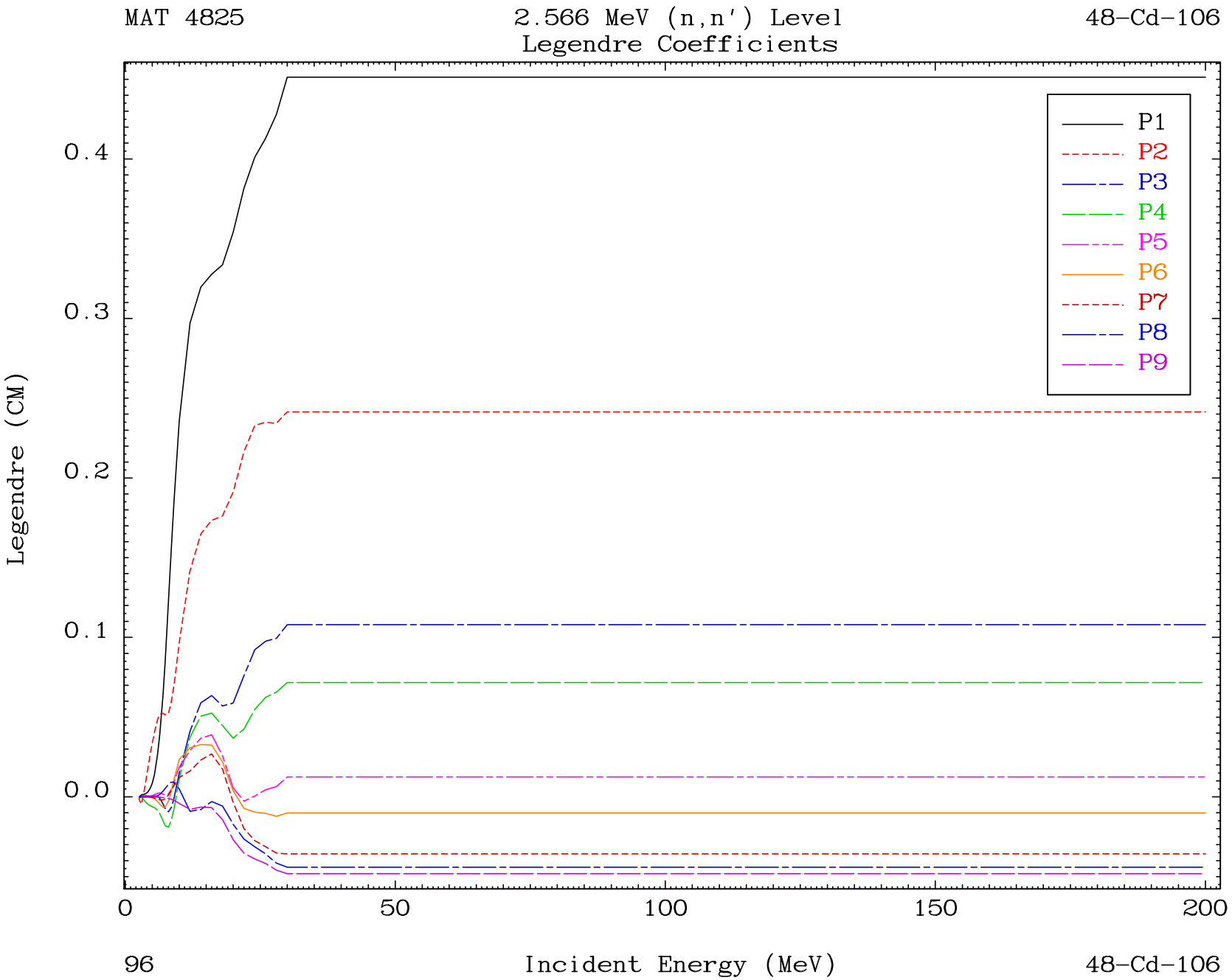

MAT 4825
2.522 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
91
Incident Energy (MeV)
48-Cd-106

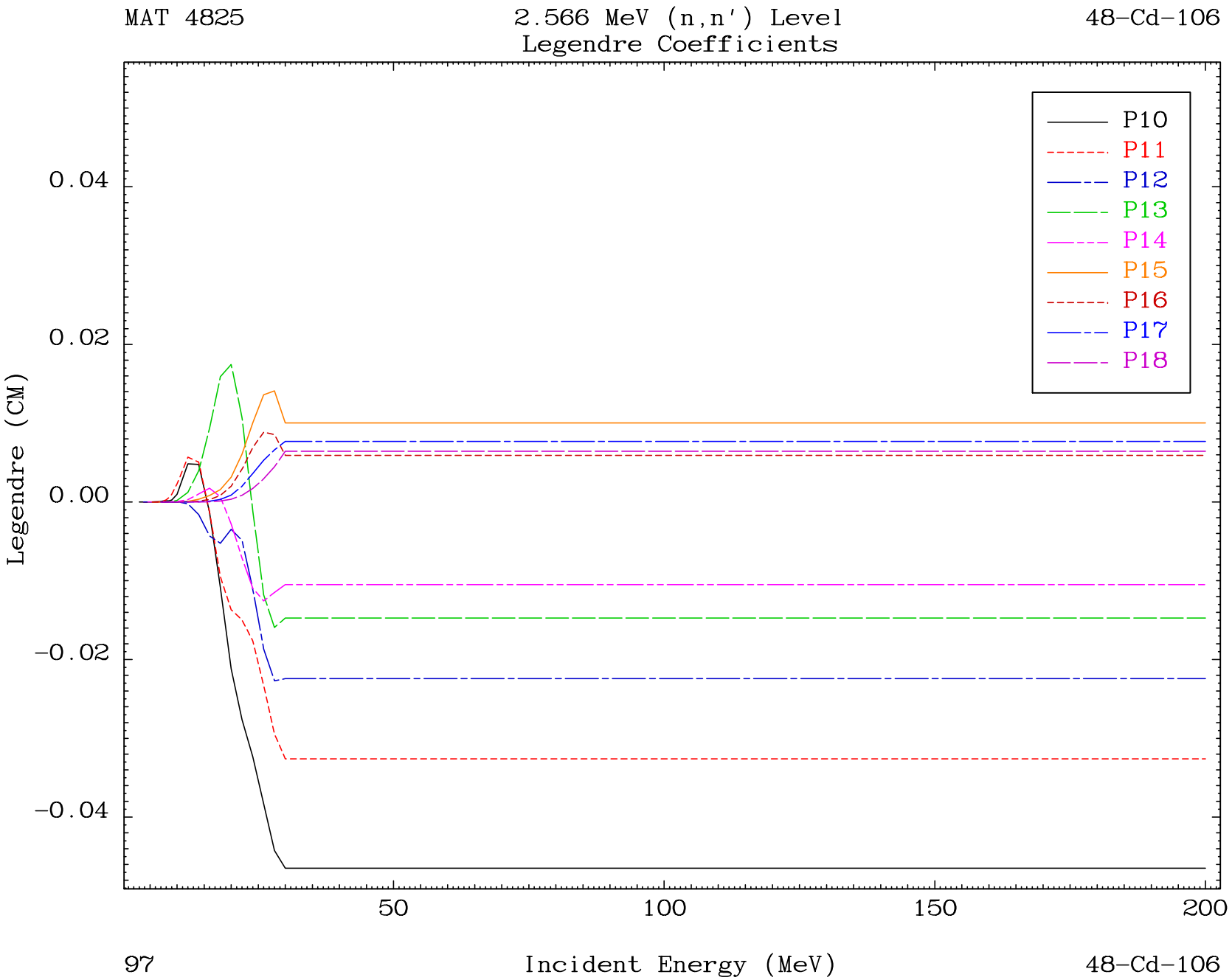

MAT 4825
2.522 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
92
Incident Energy (MeV)
48-Cd-106

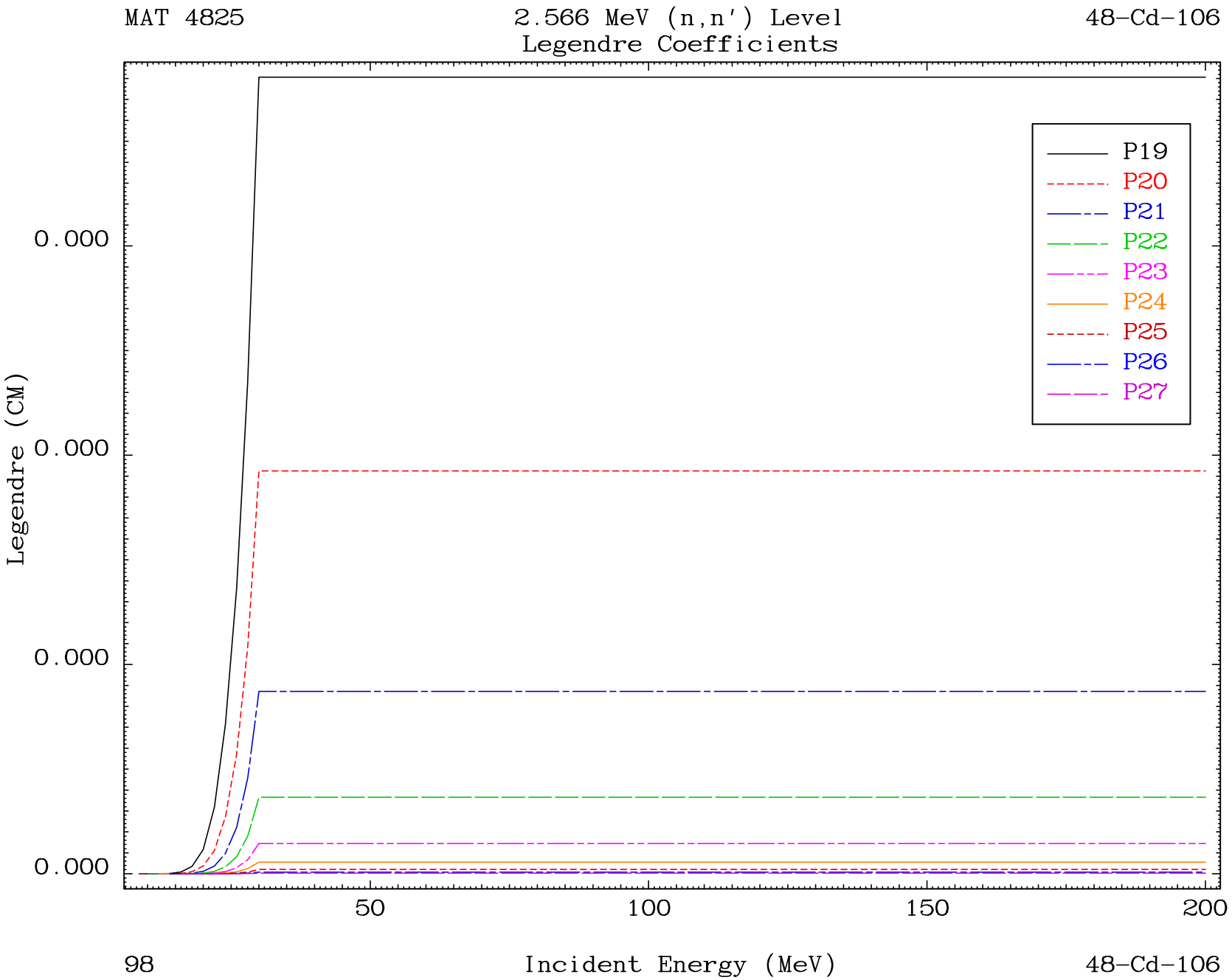

MAT 4825
2.561 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
93
Incident Energy (MeV)
48-Cd-106

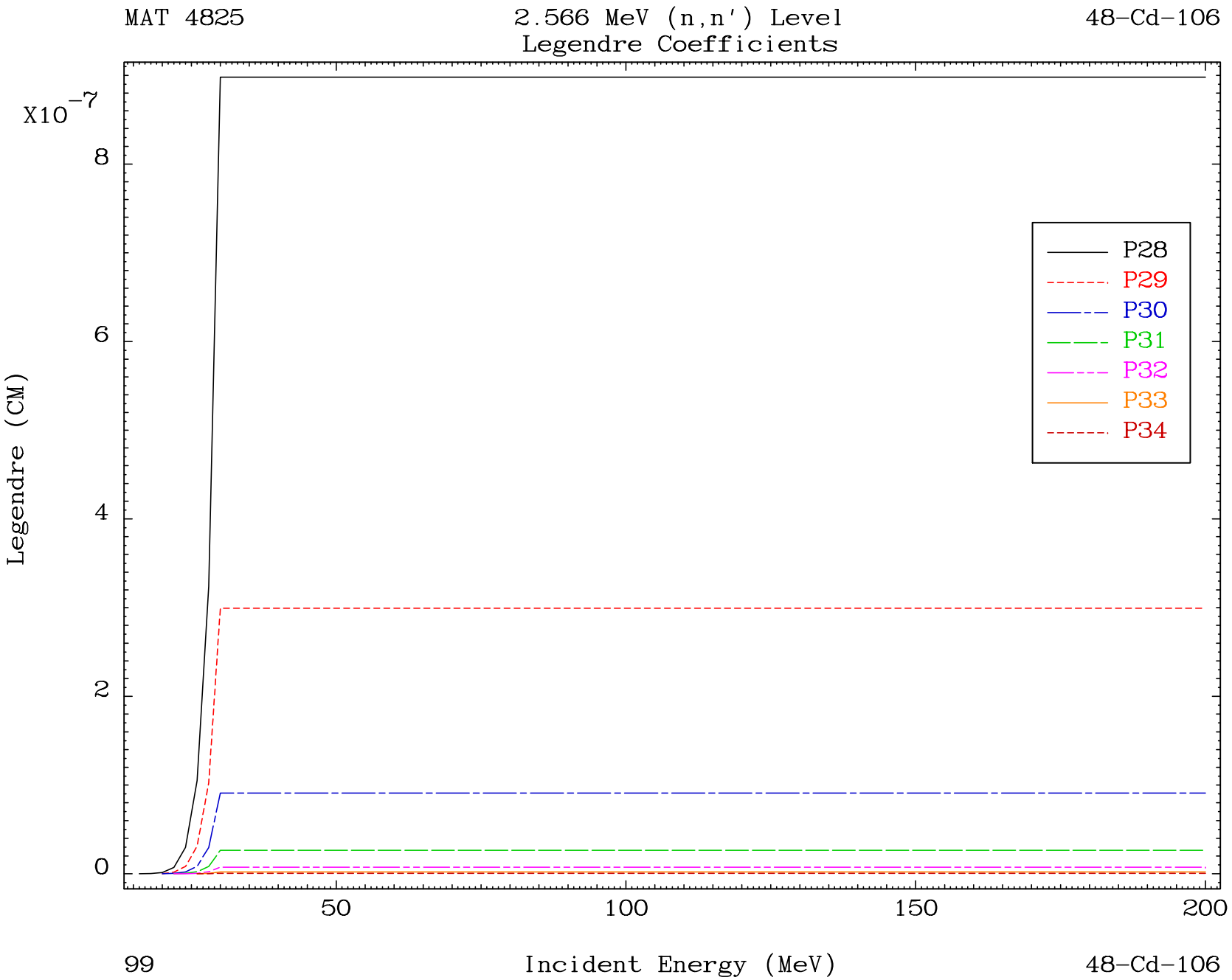

MAT 4825
2.561 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
94
Incident Energy (MeV)
48-Cd-106

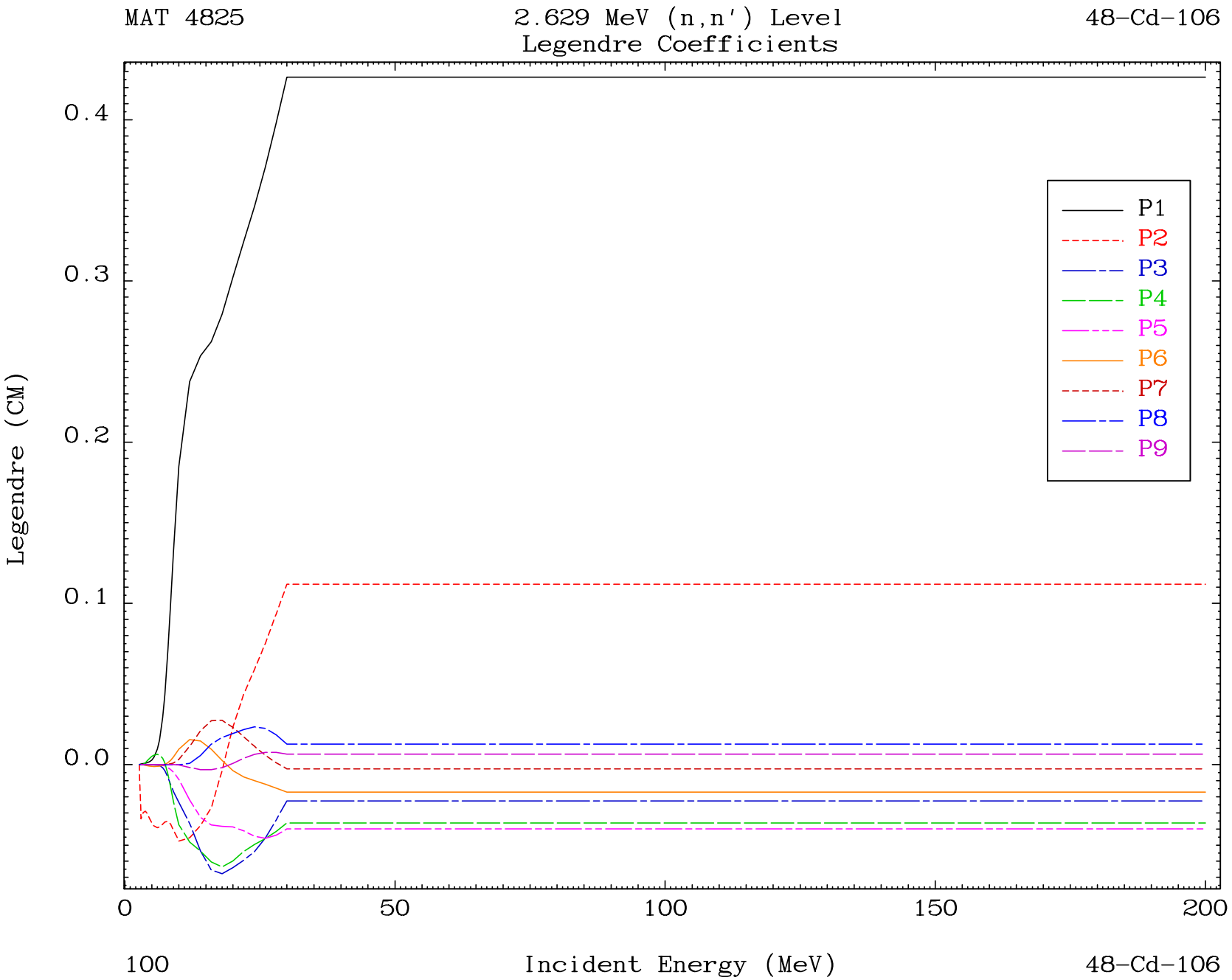

MAT 4825
2.561 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10 −6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
95
Incident Energy (MeV)
48-Cd-106

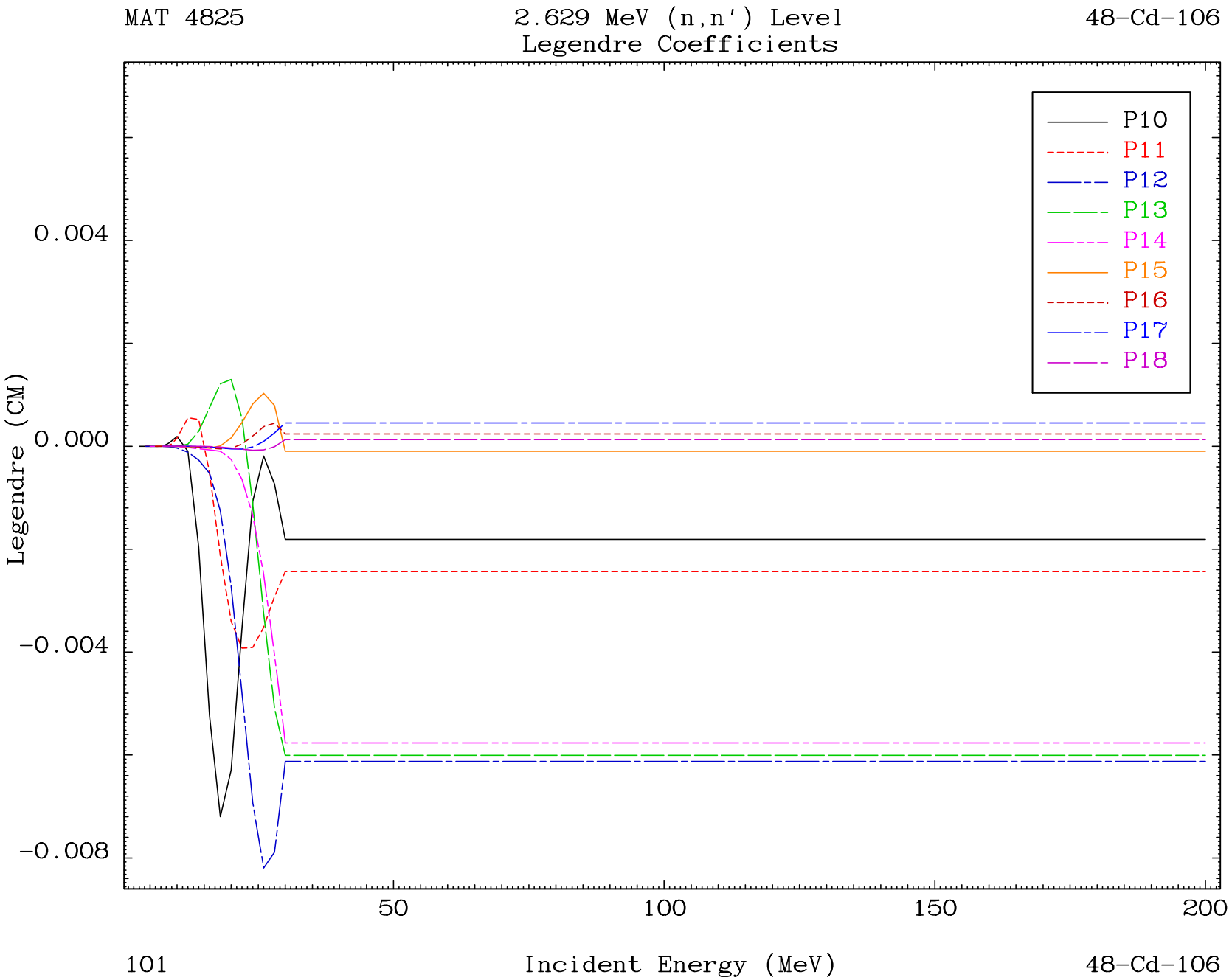

MAT 4825
2.566 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
96
Incident Energy (MeV)
48-Cd-106

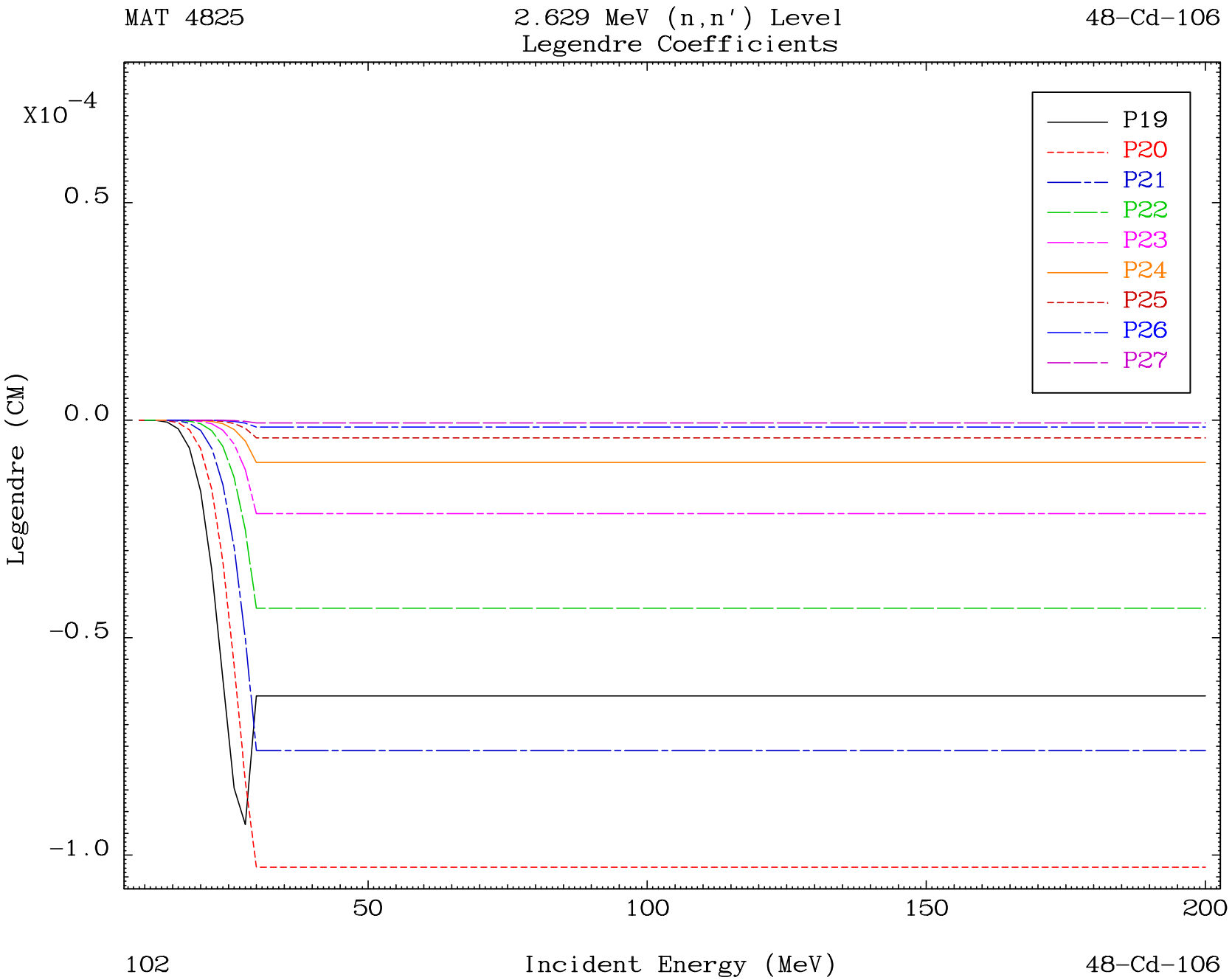

MAT 4825
2.566 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
97
Incident Energy (MeV)
48-Cd-106

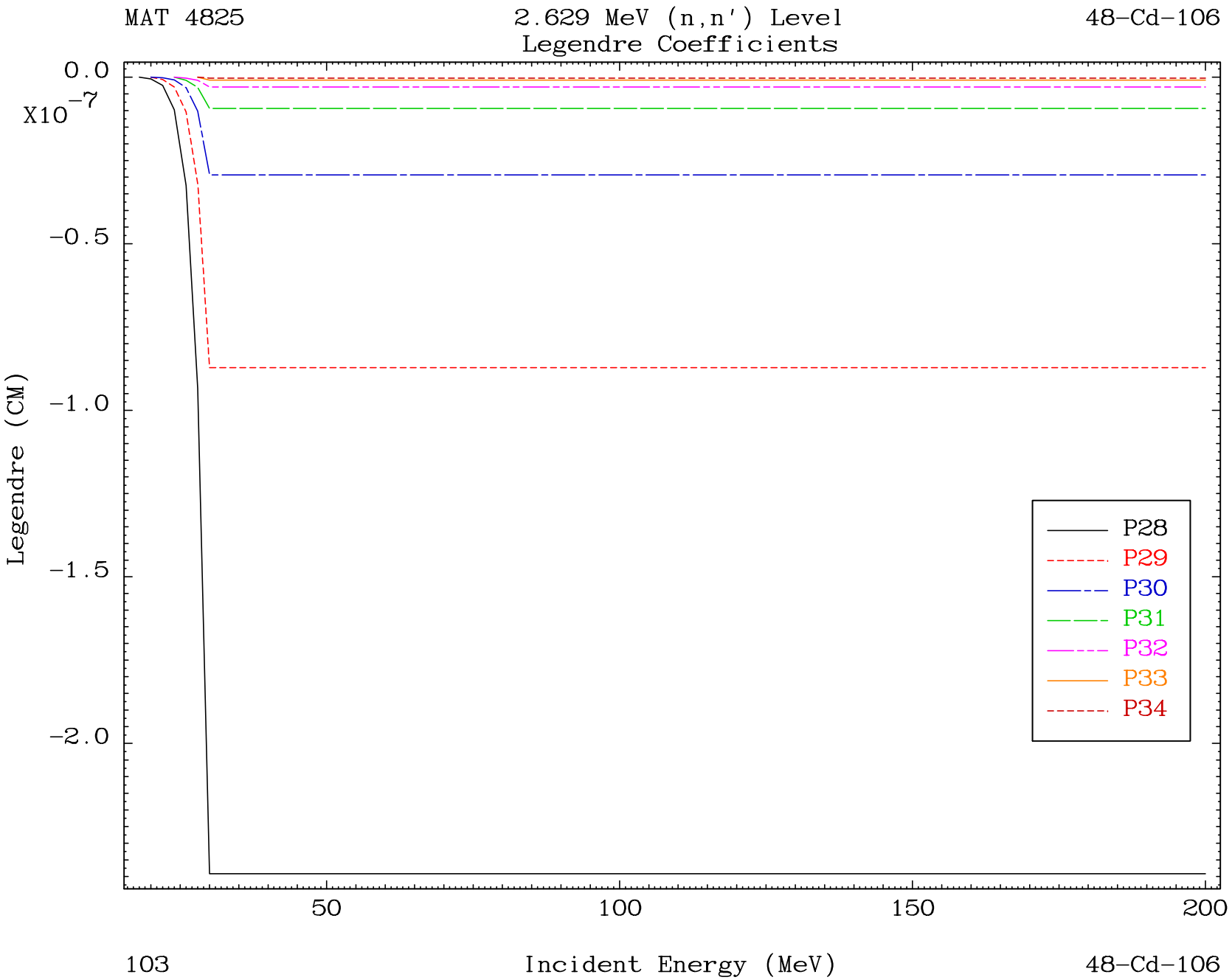

MAT 4825
2.566 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
48-Cd-106

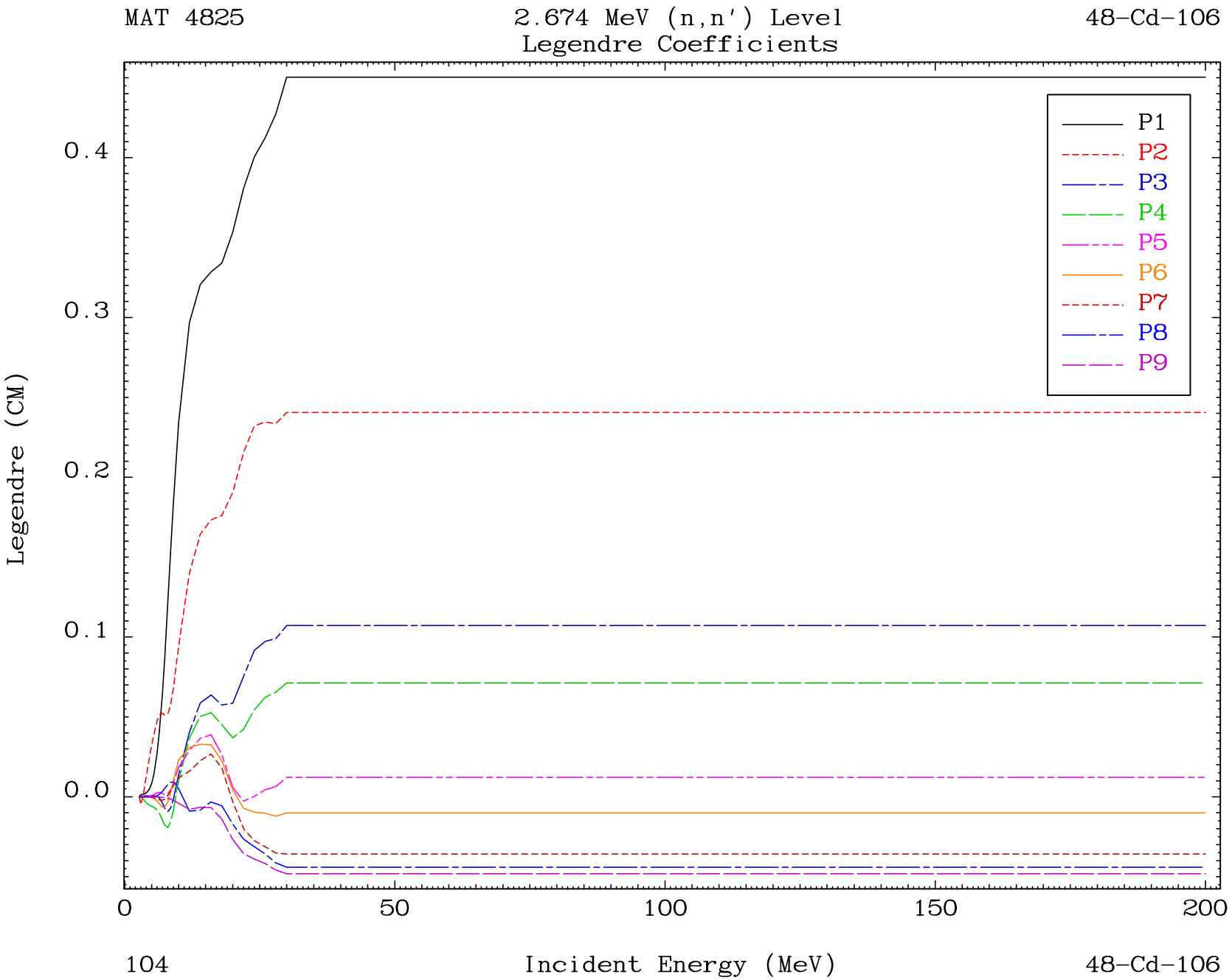

MAT 4825
2.566 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
99
Incident Energy (MeV)
48-Cd-106

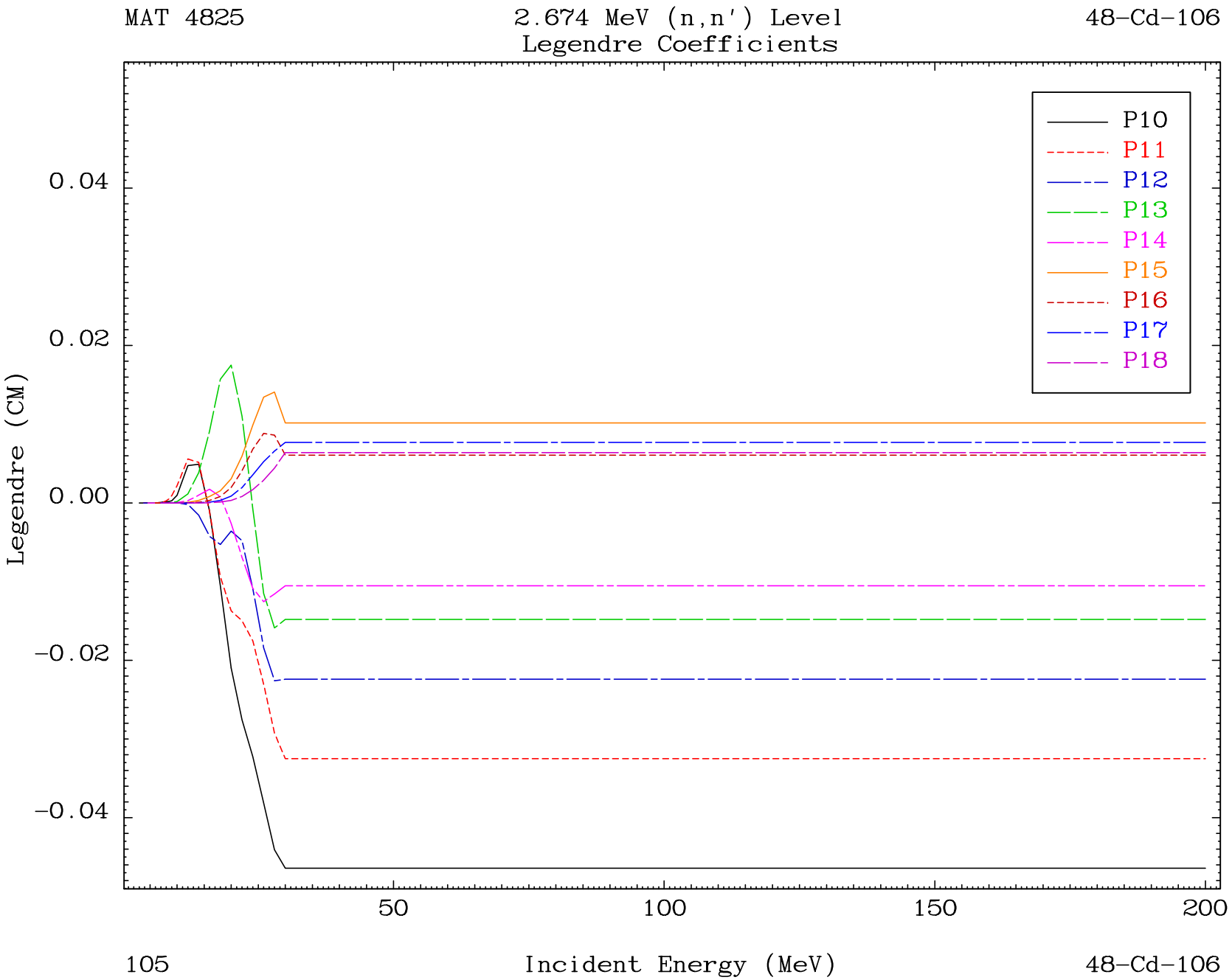

MAT 4825
2.629 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
100
Incident Energy (MeV)
48-Cd-106

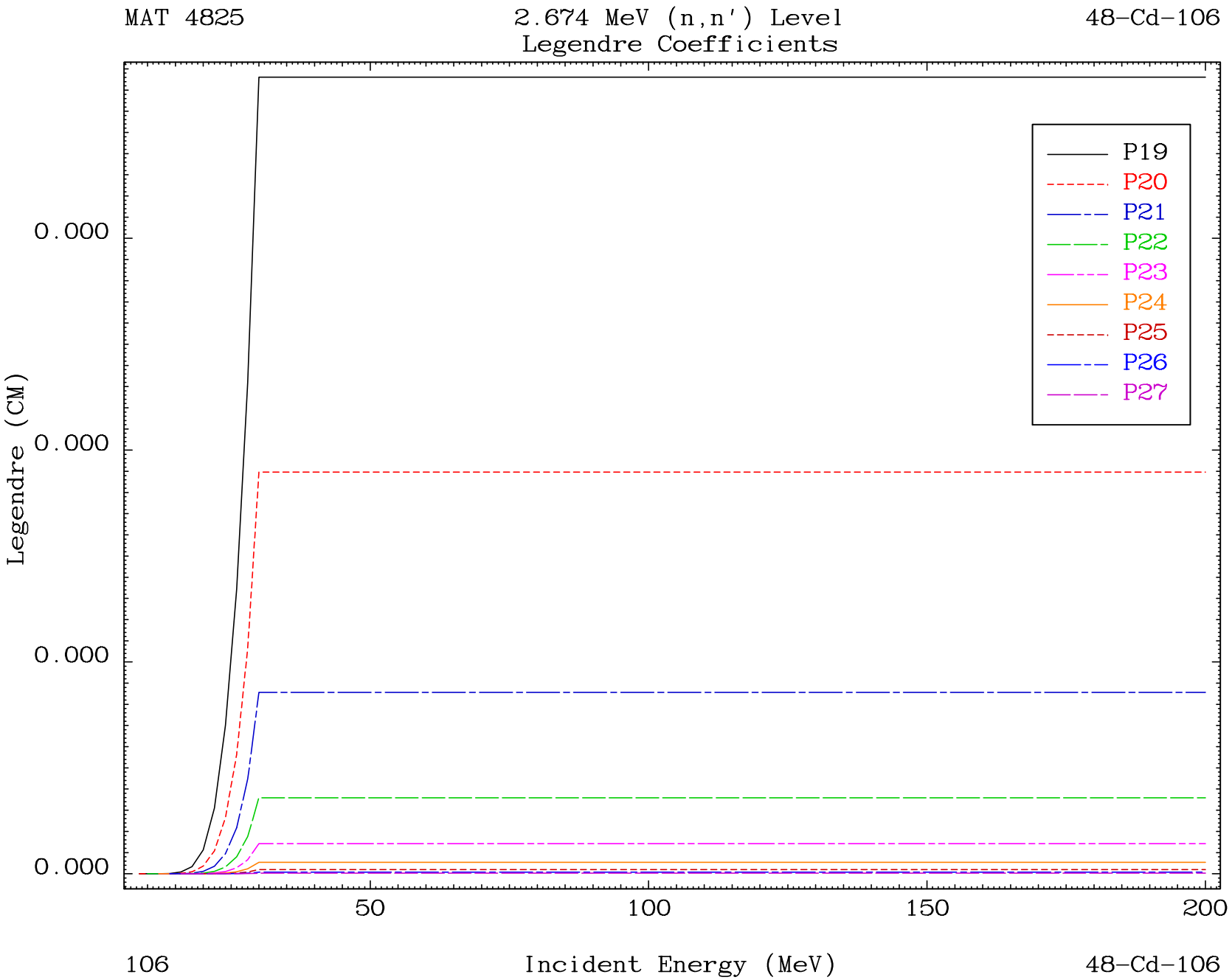

MAT 4825
2.629 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.004
0.000
-0.004
-0.008
Legendre (CM)
50
100
150
200
101
Incident Energy (MeV)
48-Cd-106

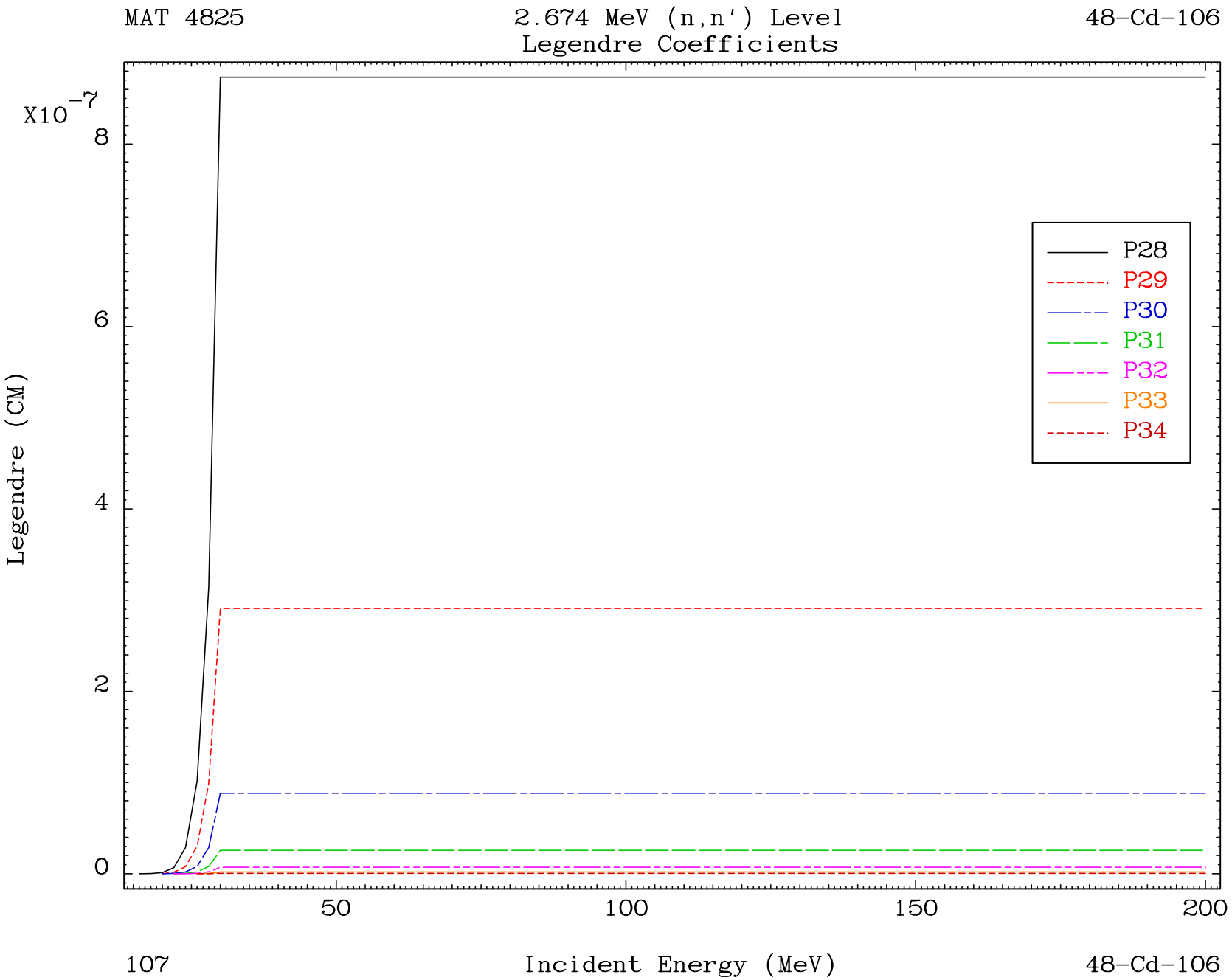

MAT 4825
2.629 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^{-4}
0.5
0.0
−0.5
−1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
102
Incident Energy (MeV)
48-Cd-106

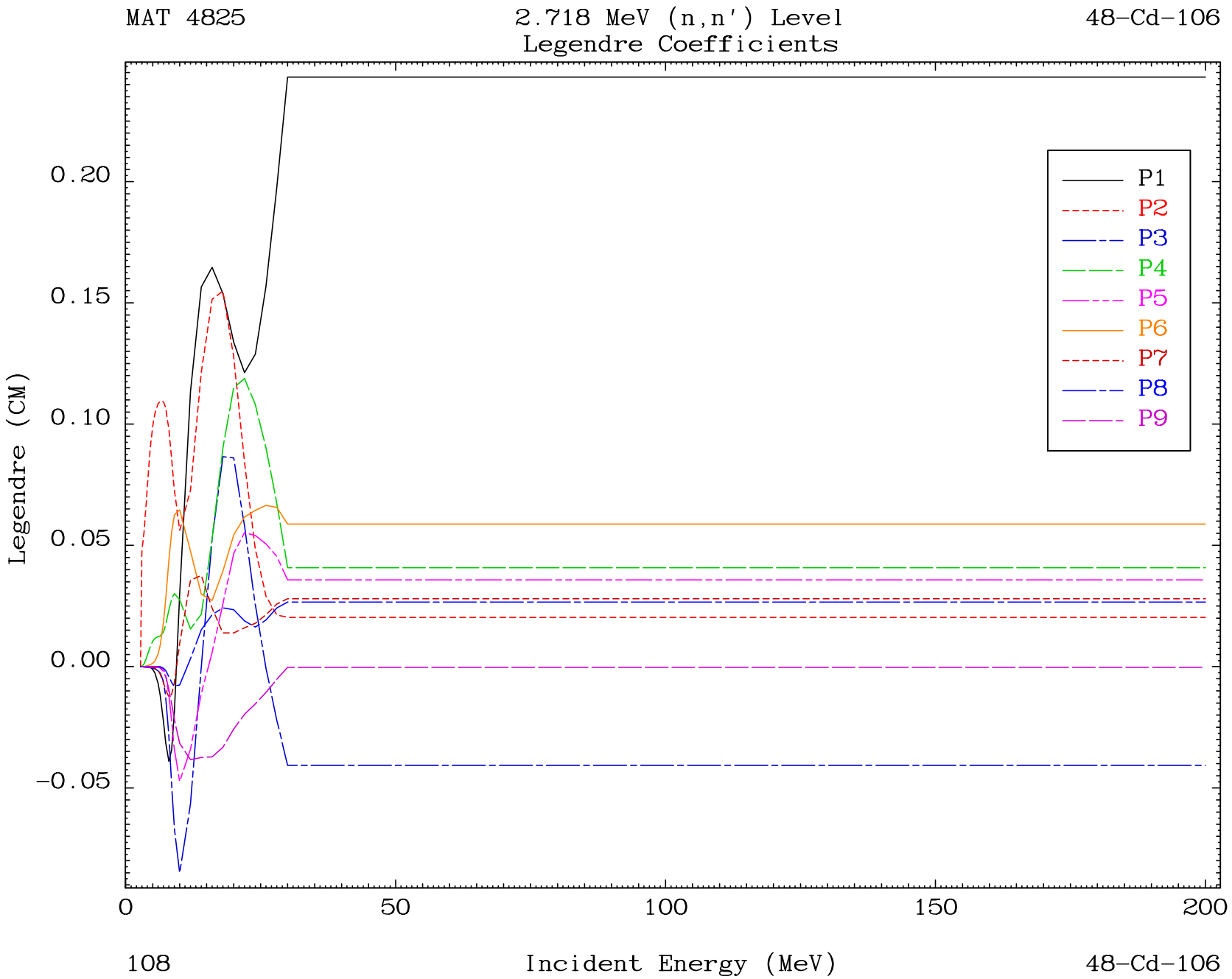

MAT 4825
2.629 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
103
Incident Energy (MeV)
48-Cd-106
P28
P29
P30
P31
P32
P33
P34

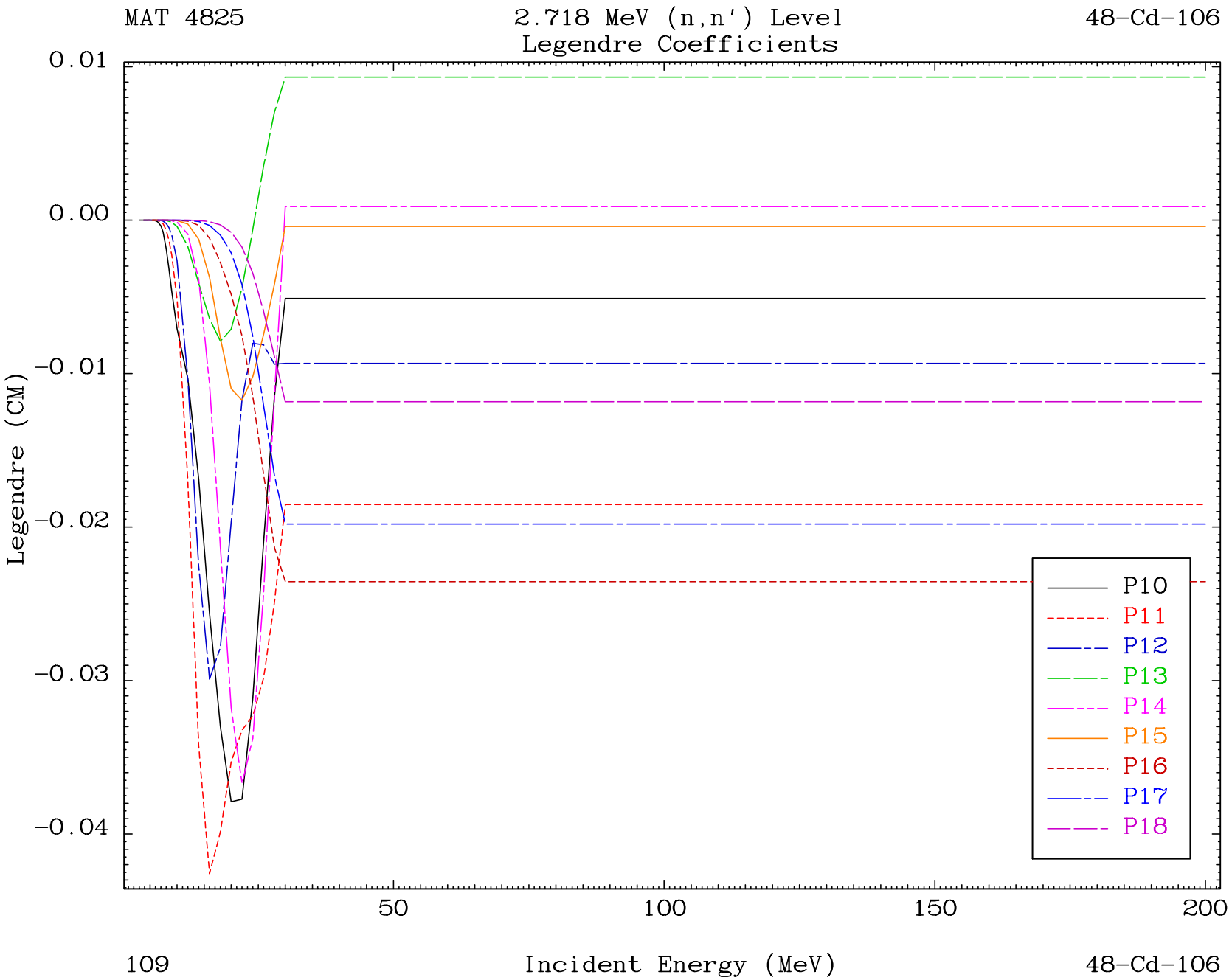

MAT 4825
2.674 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
104
Incident Energy (MeV)
48-Cd-106

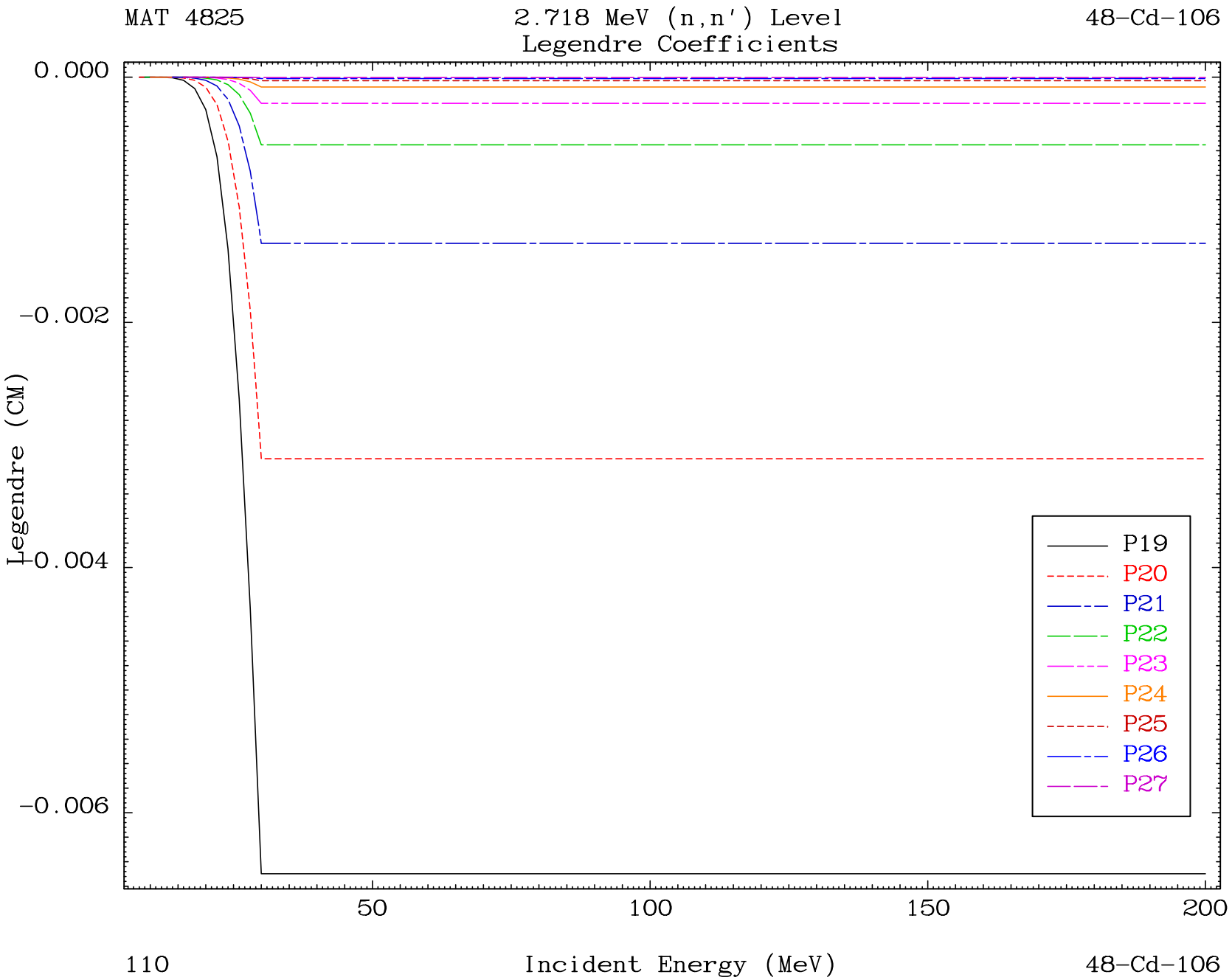

MAT 4825
2.674 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
105
Incident Energy (MeV)
48-Cd-106

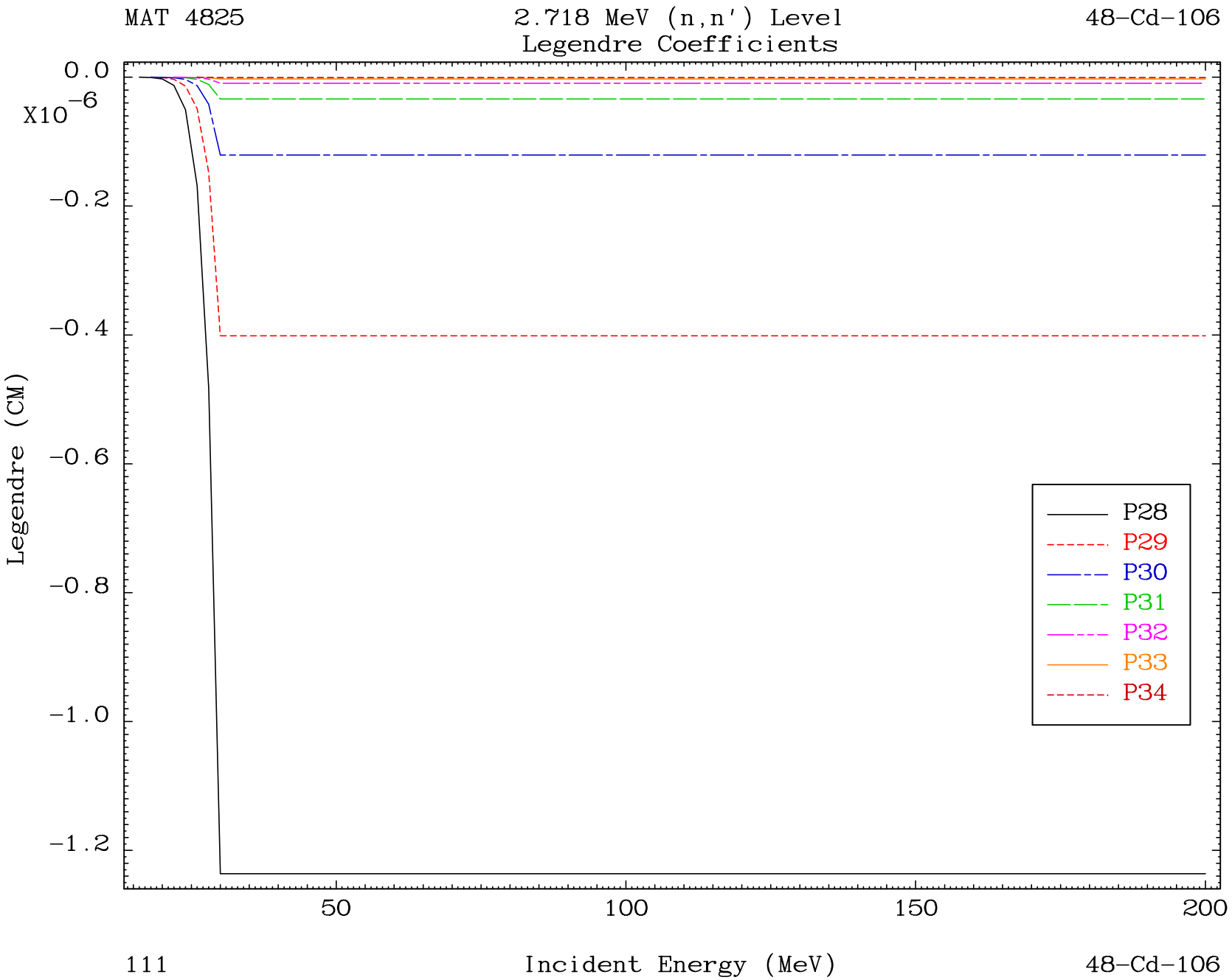

MAT 4825
2.674 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
106
Incident Energy (MeV)
48-Cd-106

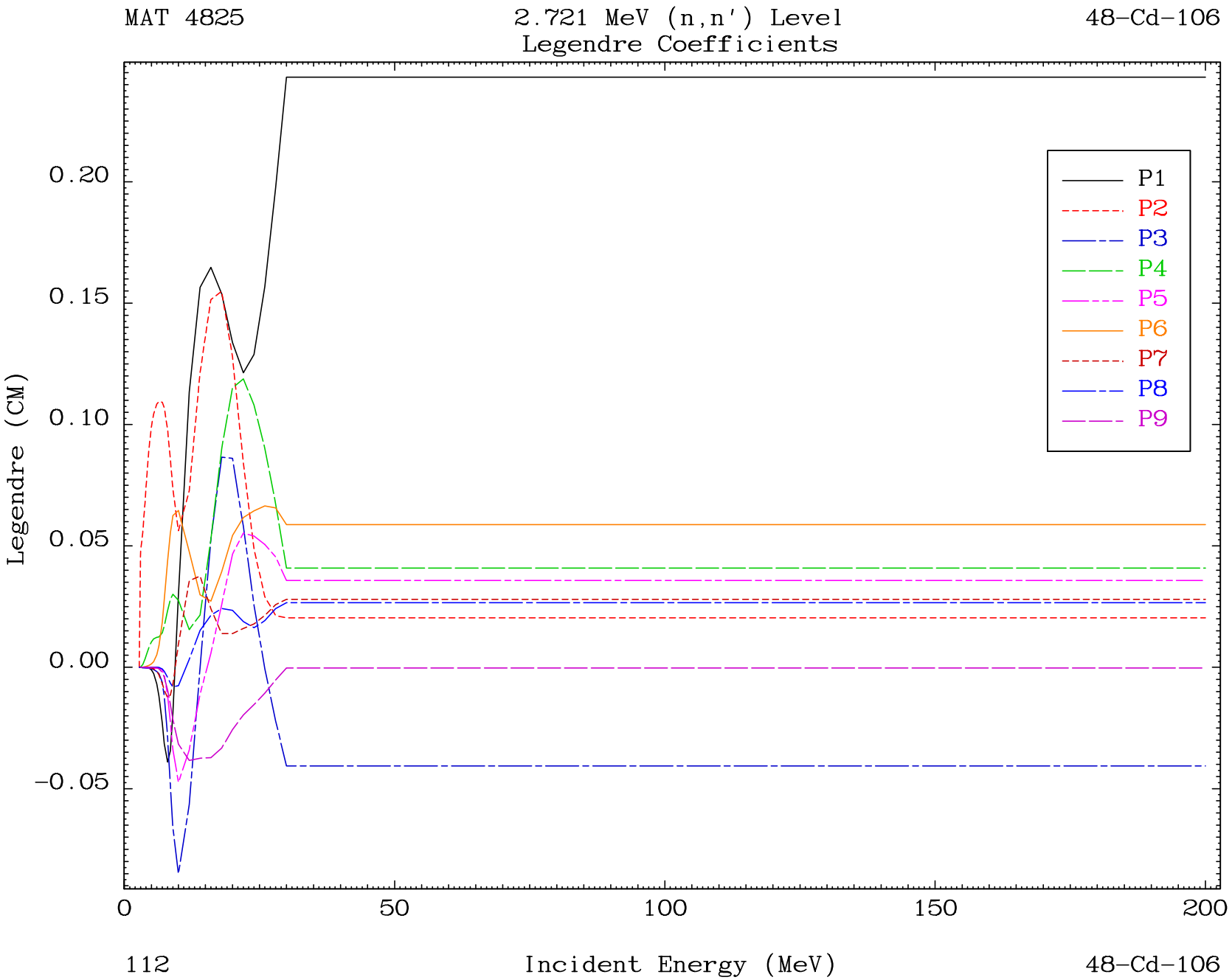

MAT 4825
2.674 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
107
Incident Energy (MeV)
48-Cd-106

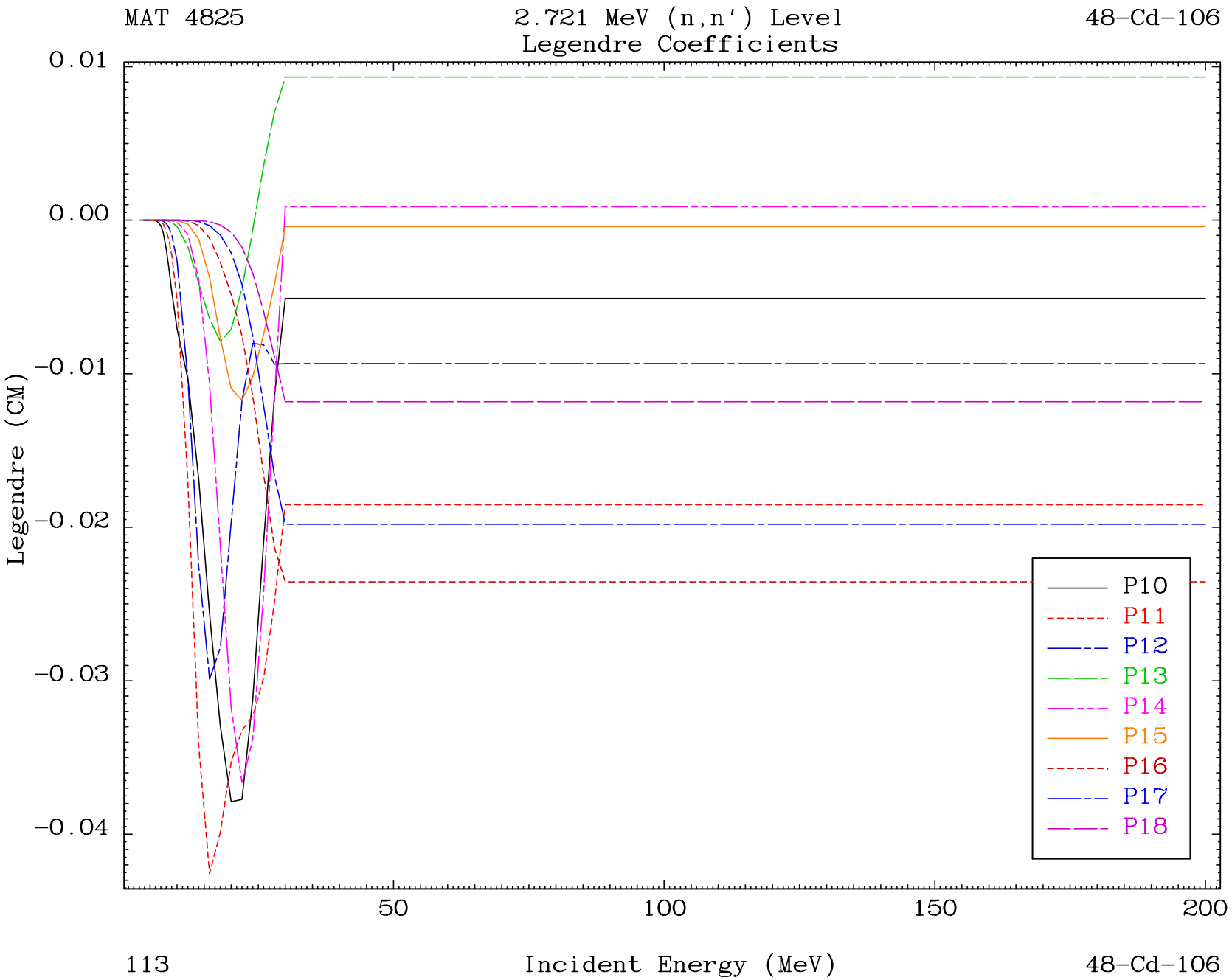

MAT 4825
2.718 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
108
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

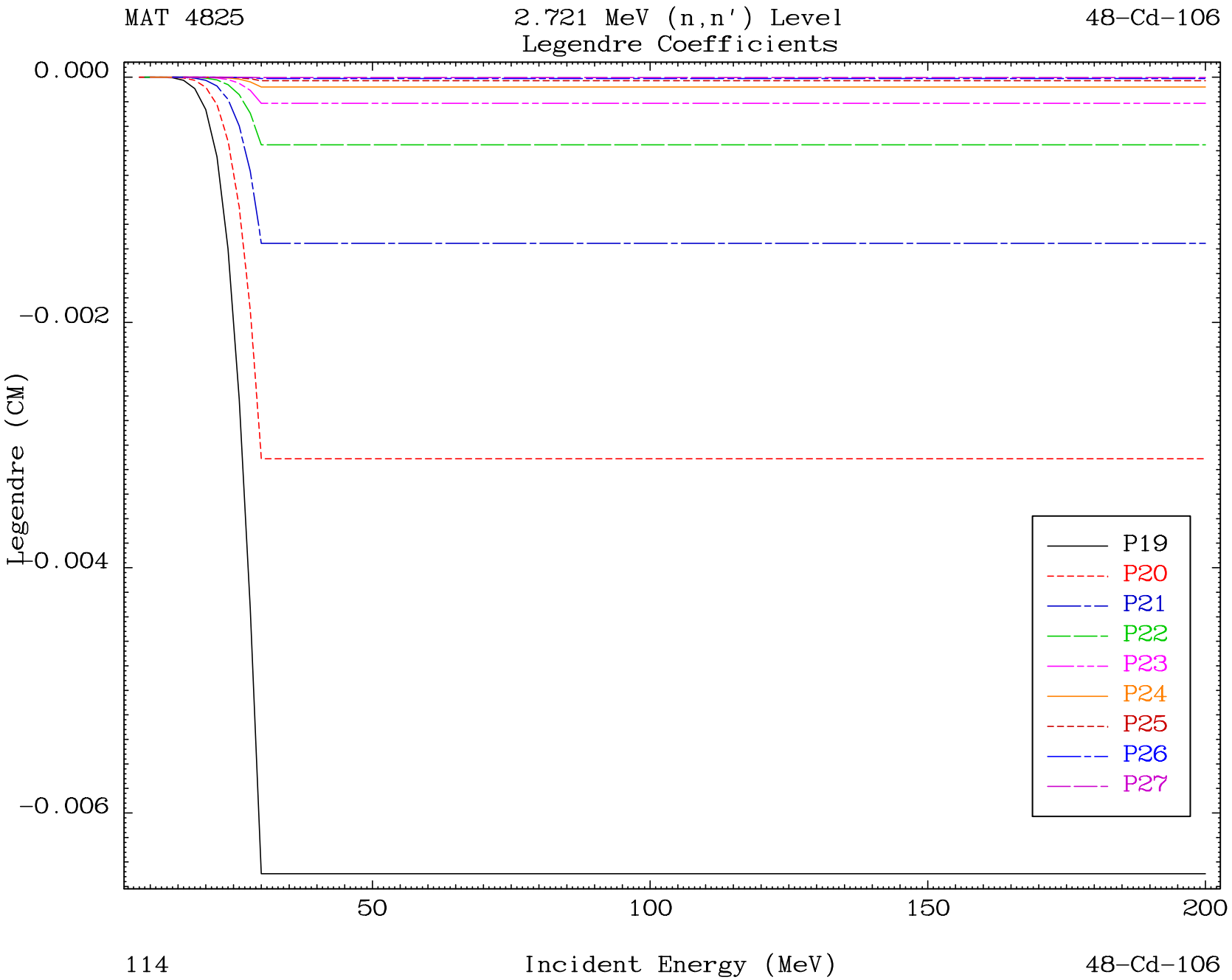

MAT 4825
2.718 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.01
0.00
-0.01
-0.02
-0.03
-0.04
Legendre (CM)
50
100
150
200
109
Incident Energy (MeV)
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18

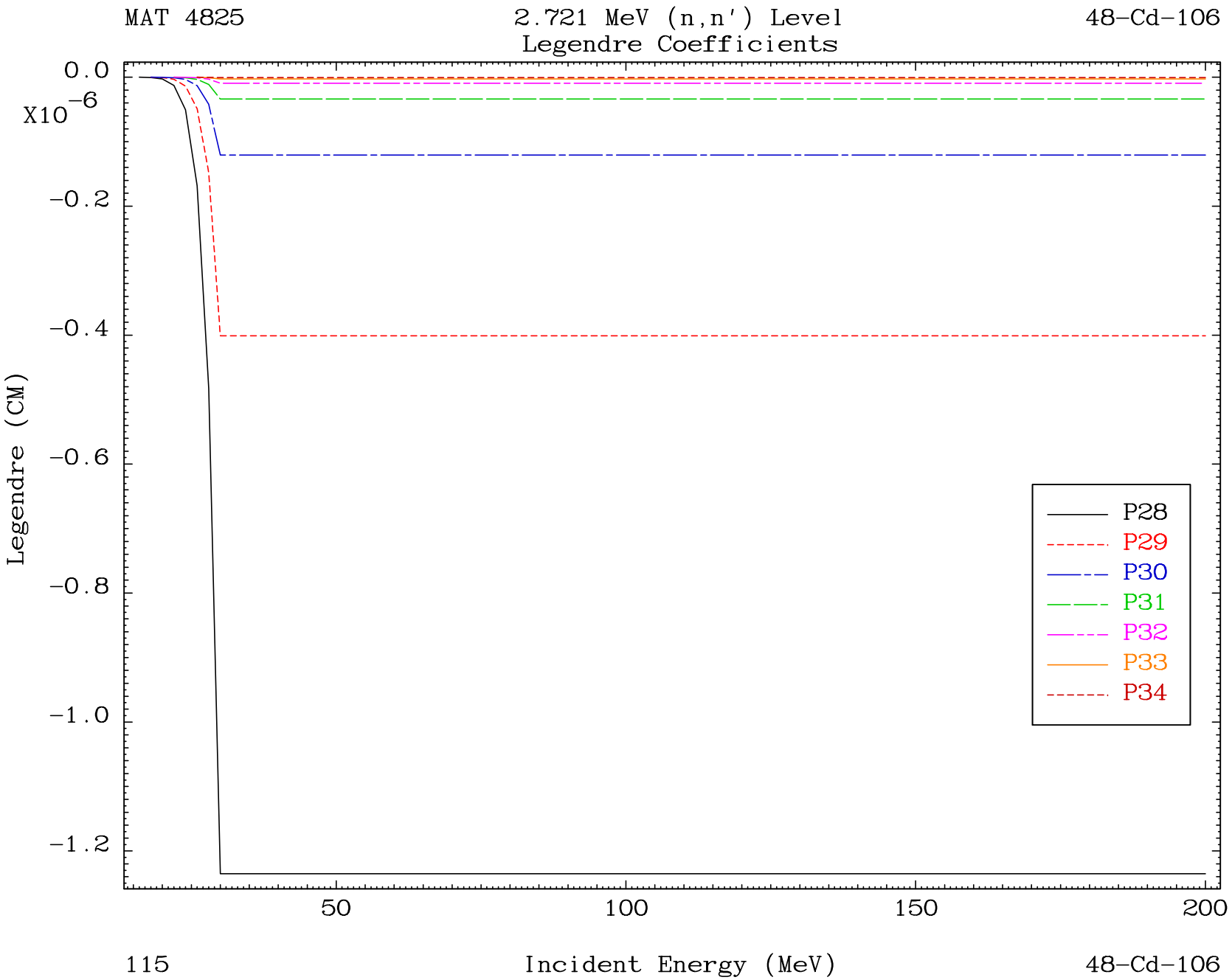

MAT 4825
2.718 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
110
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

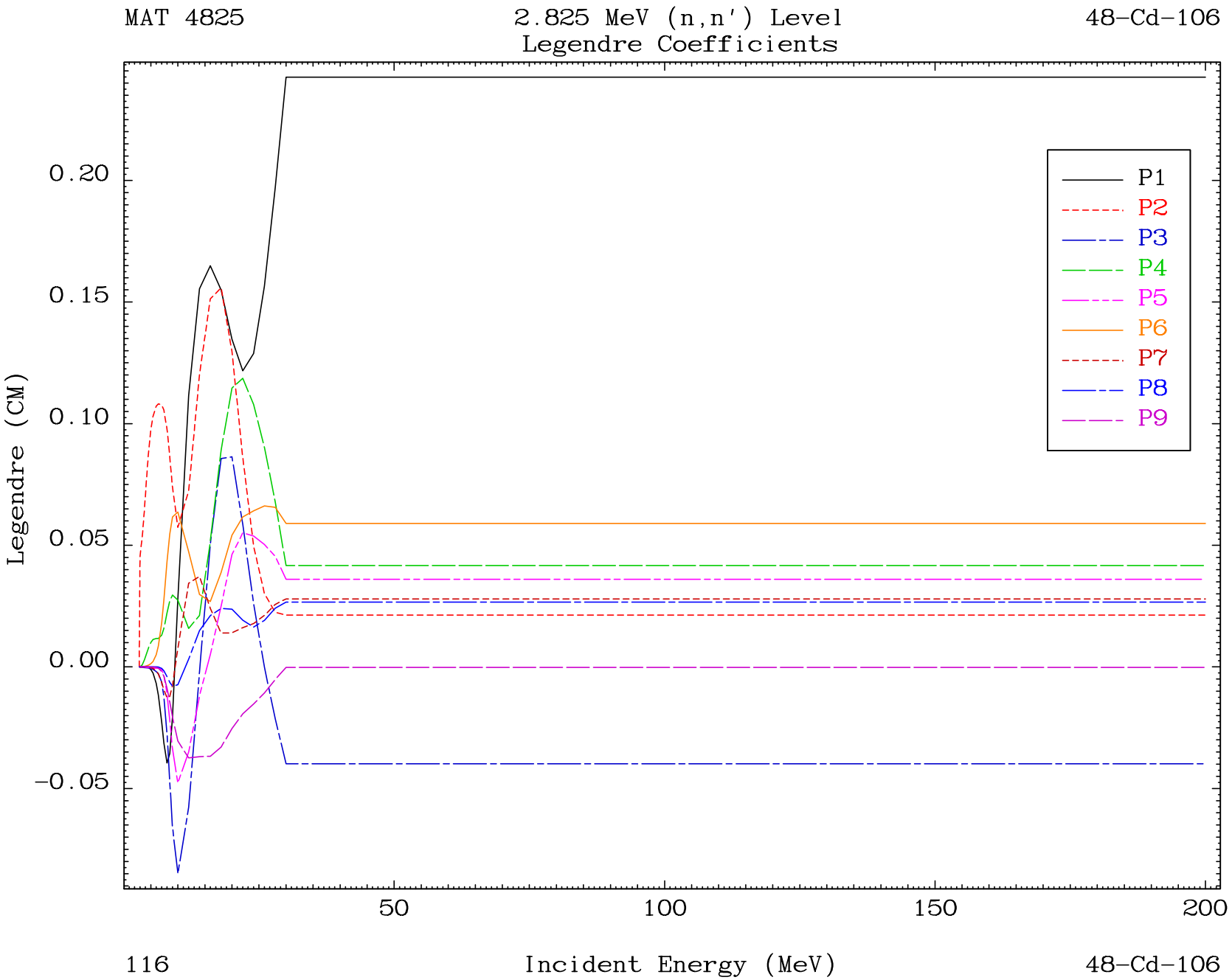

MAT 4825
2.718 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
111
Incident Energy (MeV)
48-Cd-106

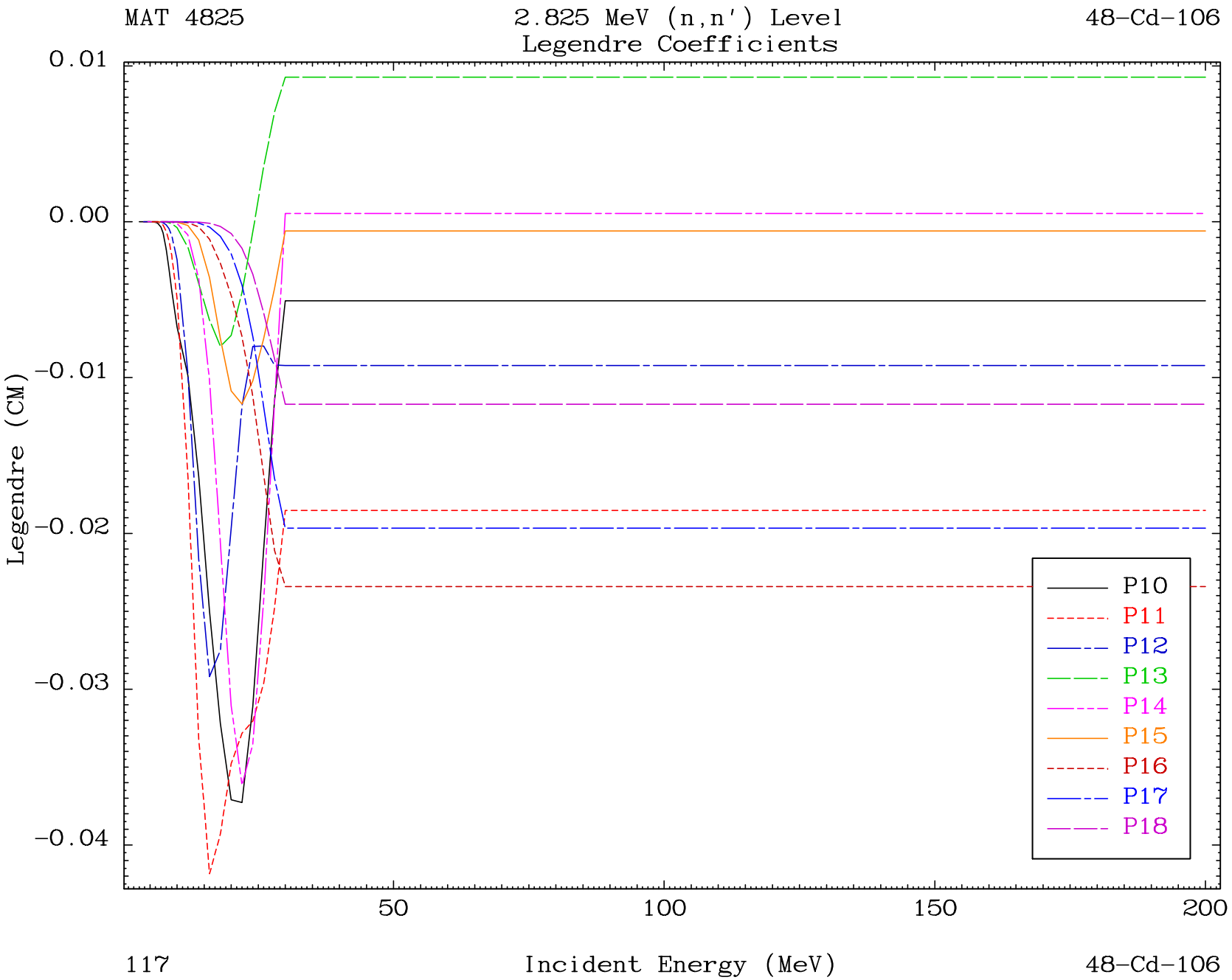

MAT 4825
2.721 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
112
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

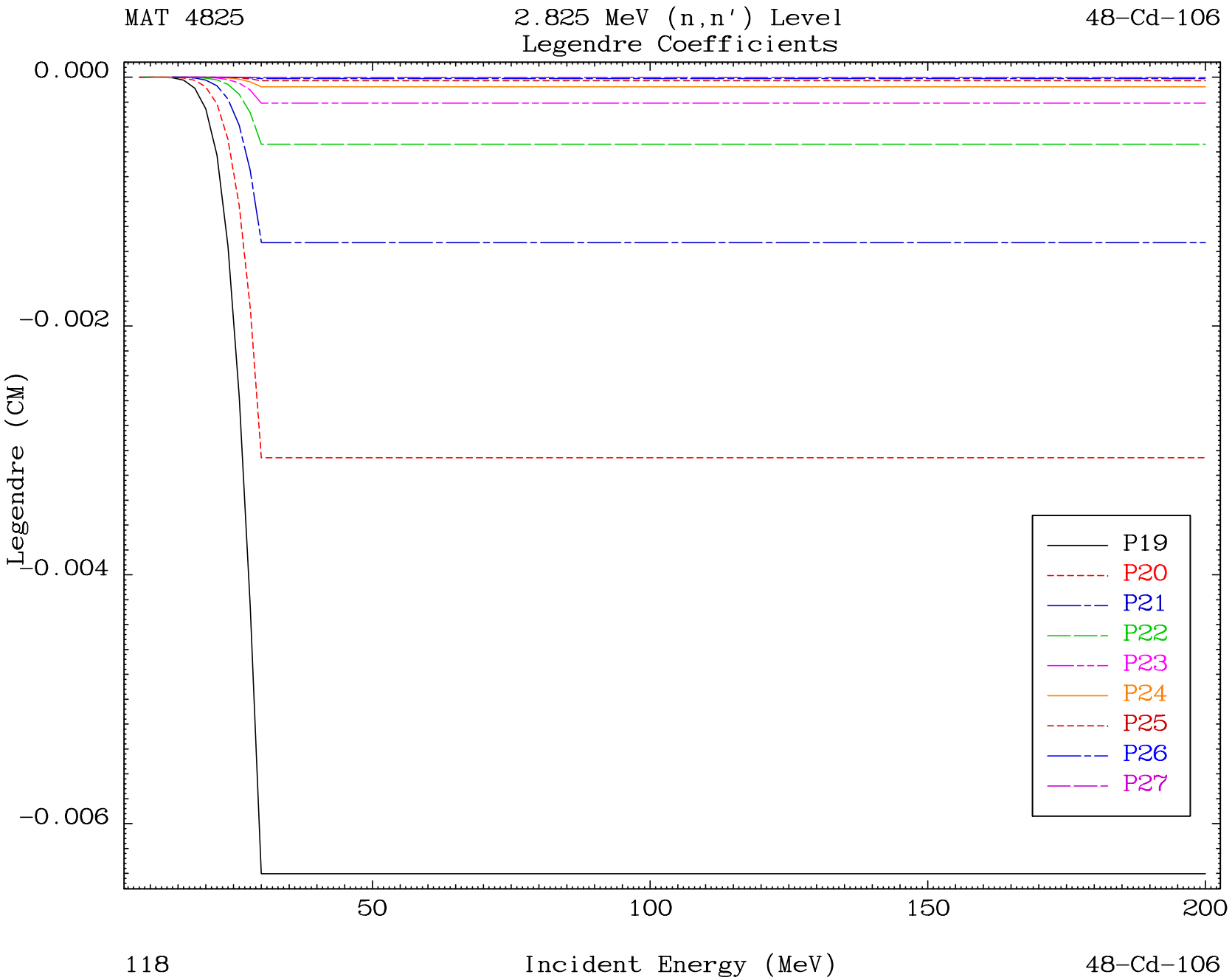

MAT 4825
2.721 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.01
0.00
-0.01
-0.02
-0.03
-0.04
Legendre (CM)
50
100
150
200
113
Incident Energy (MeV)
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18

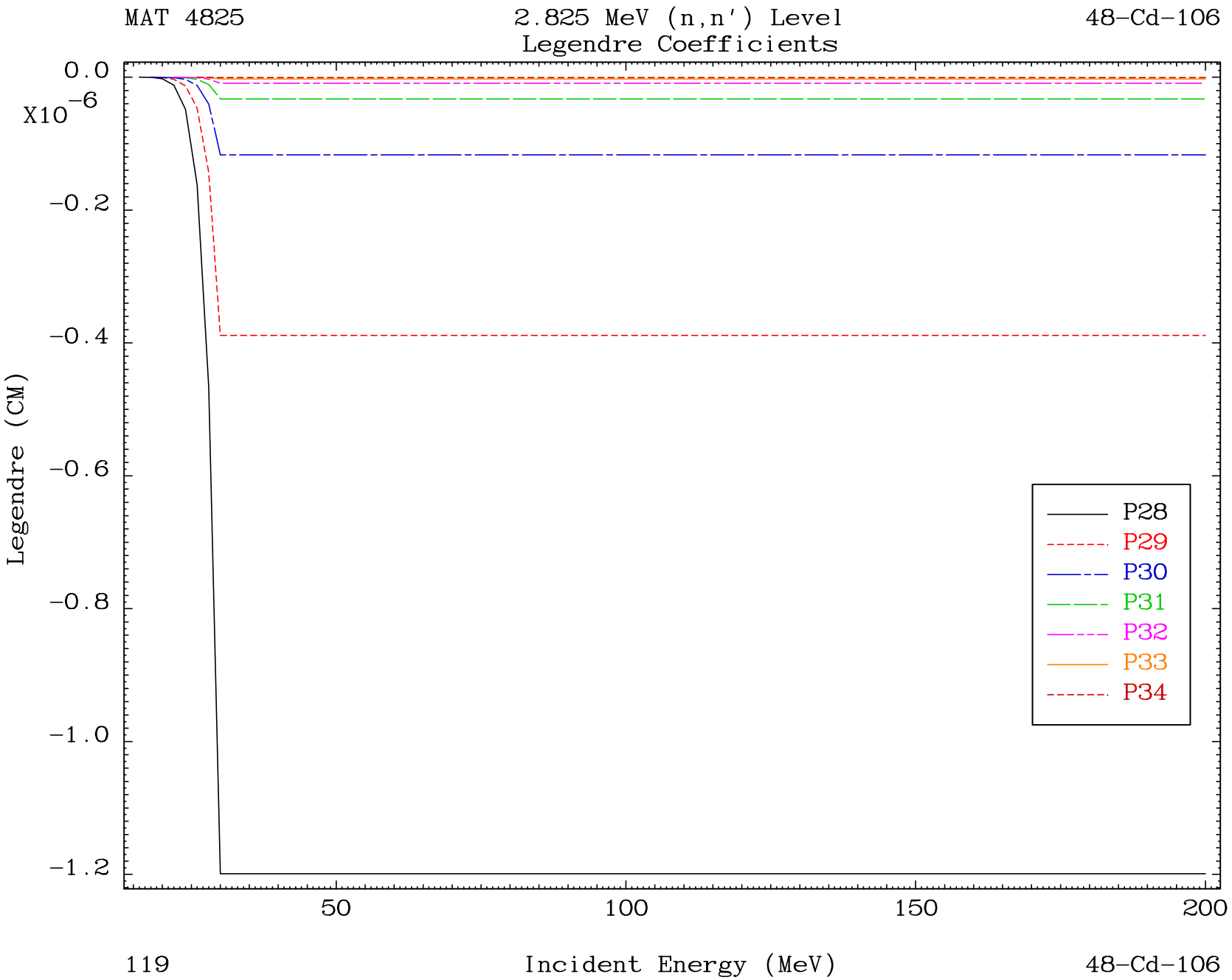

MAT 4825
2.721 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
114
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

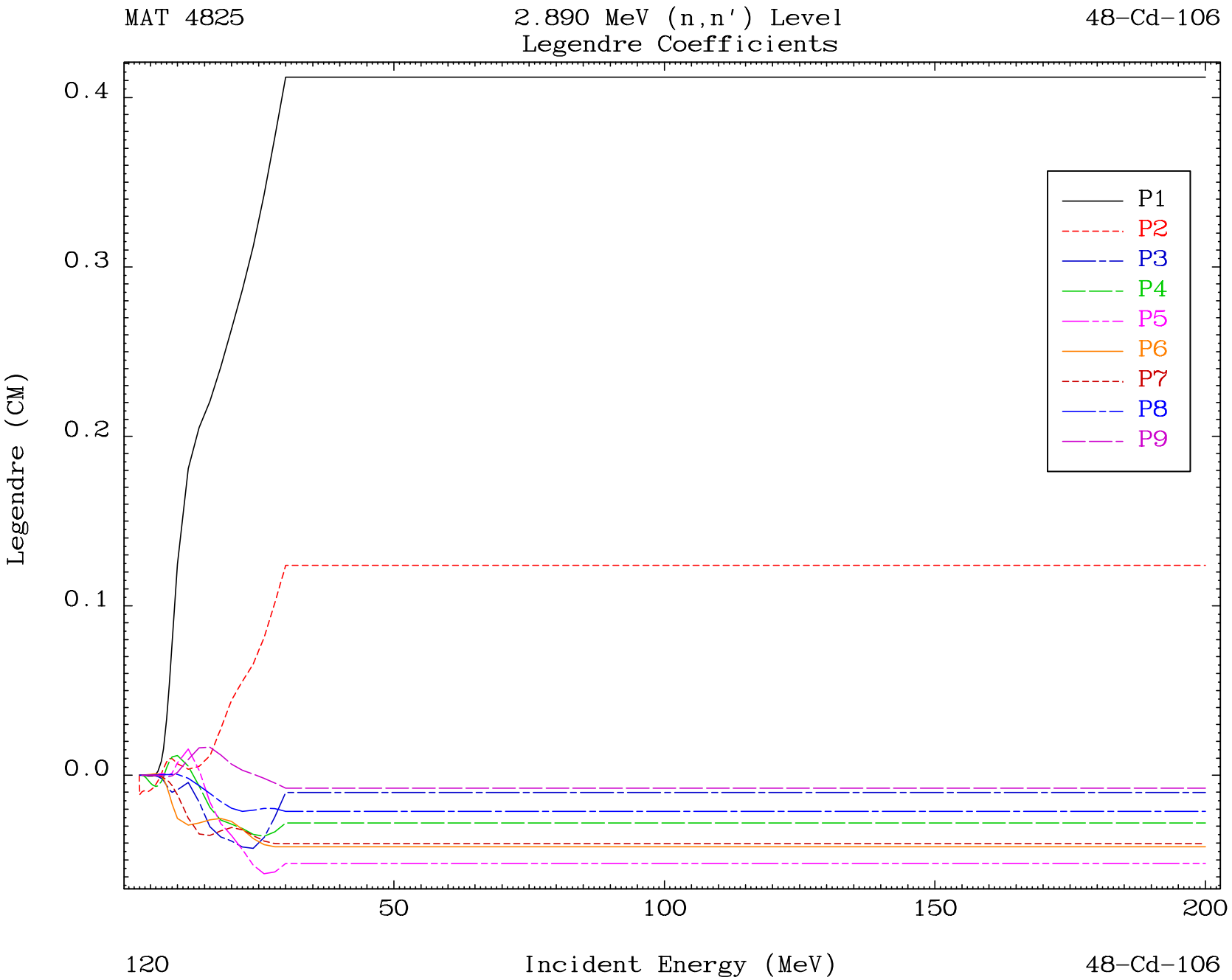

MAT 4825
2.721 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
115
Incident Energy (MeV)
48-Cd-106
P28
P29
P30
P31
P32
P33
P34

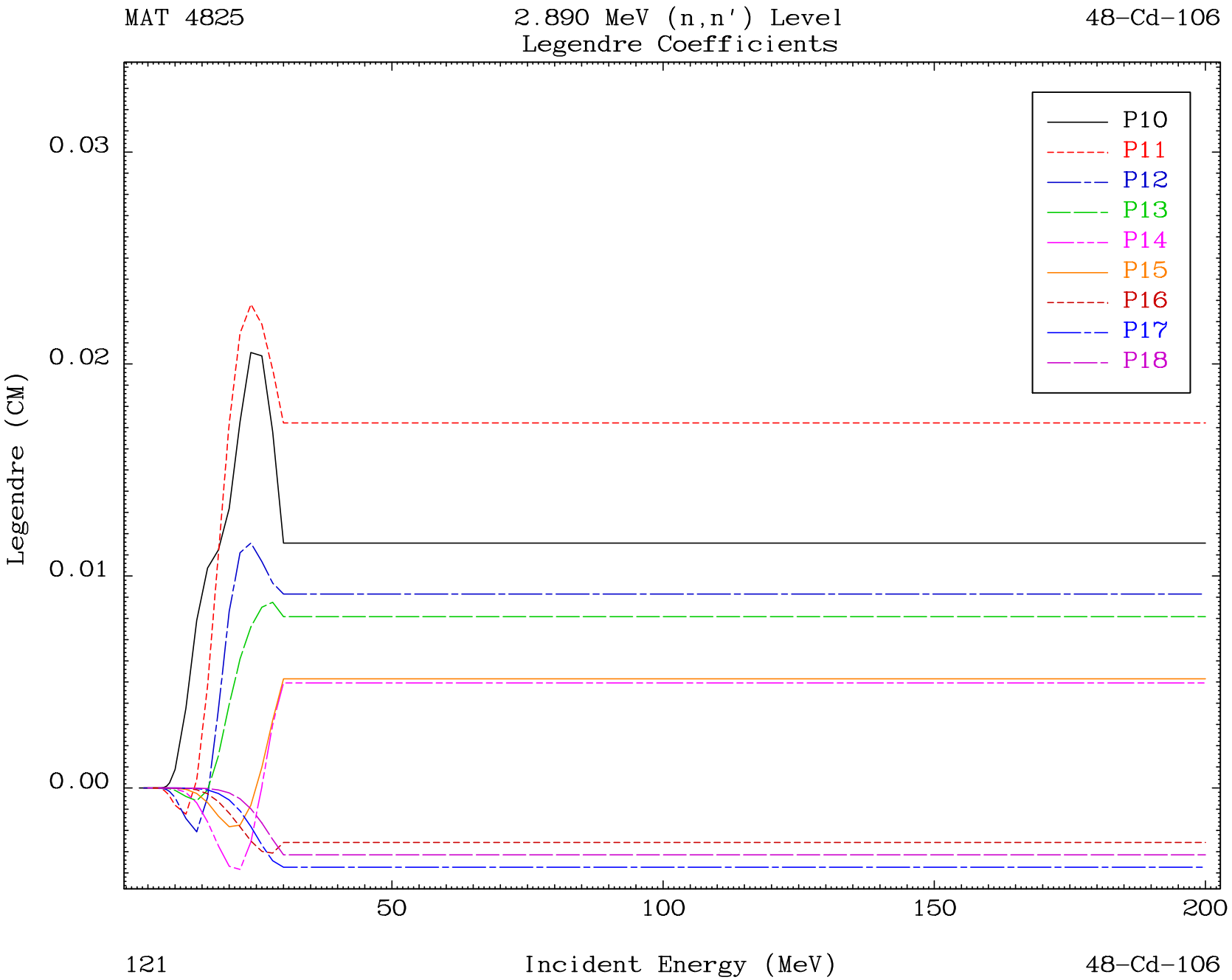

MAT 4825
2.825 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
50
100
150
200
Incident Energy (MeV)
116
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

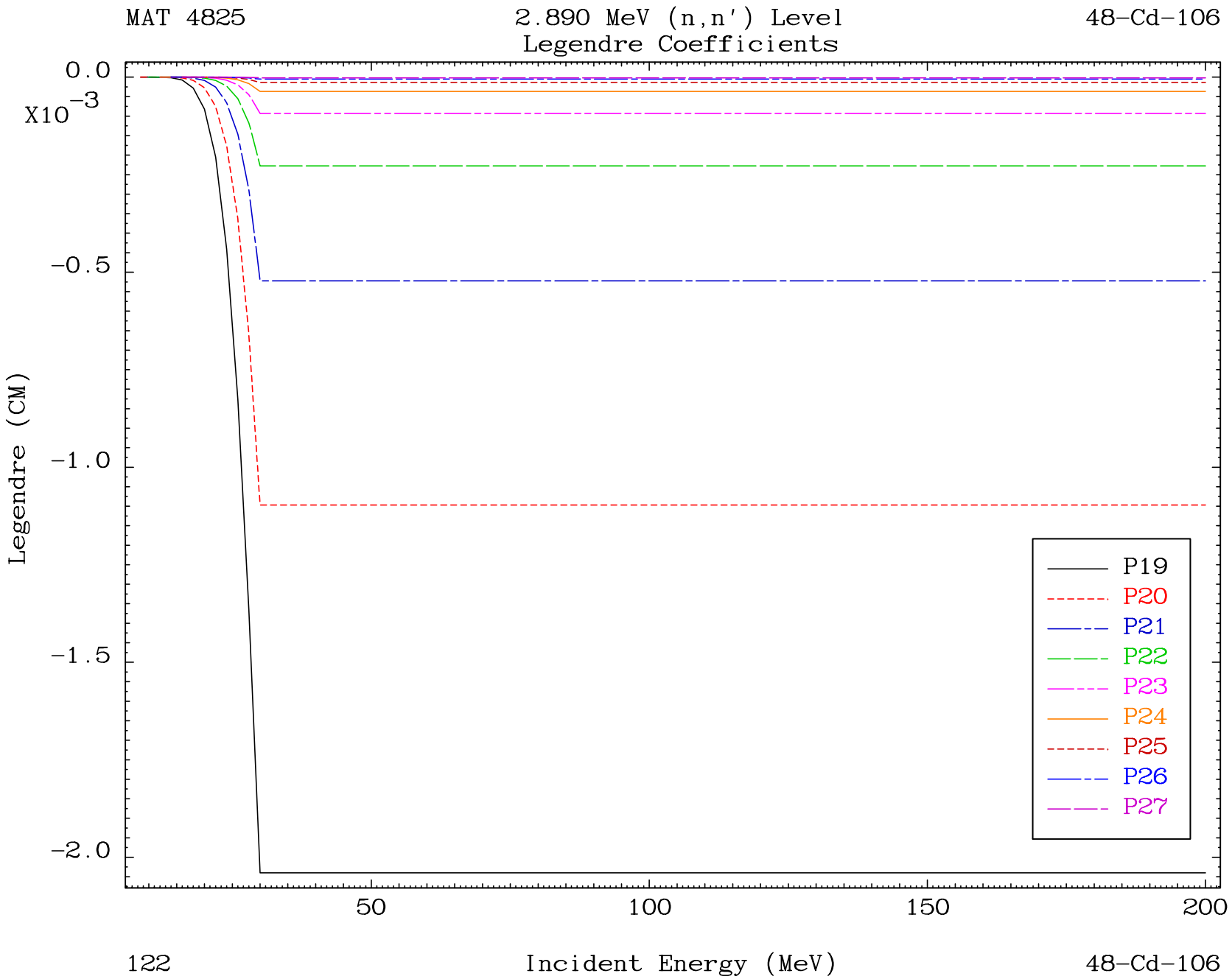

MAT 4825
2.825 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.01
0.00
-0.01
-0.02
-0.03
-0.04
Legendre (CM)
50
100
150
200
117
Incident Energy (MeV)
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18

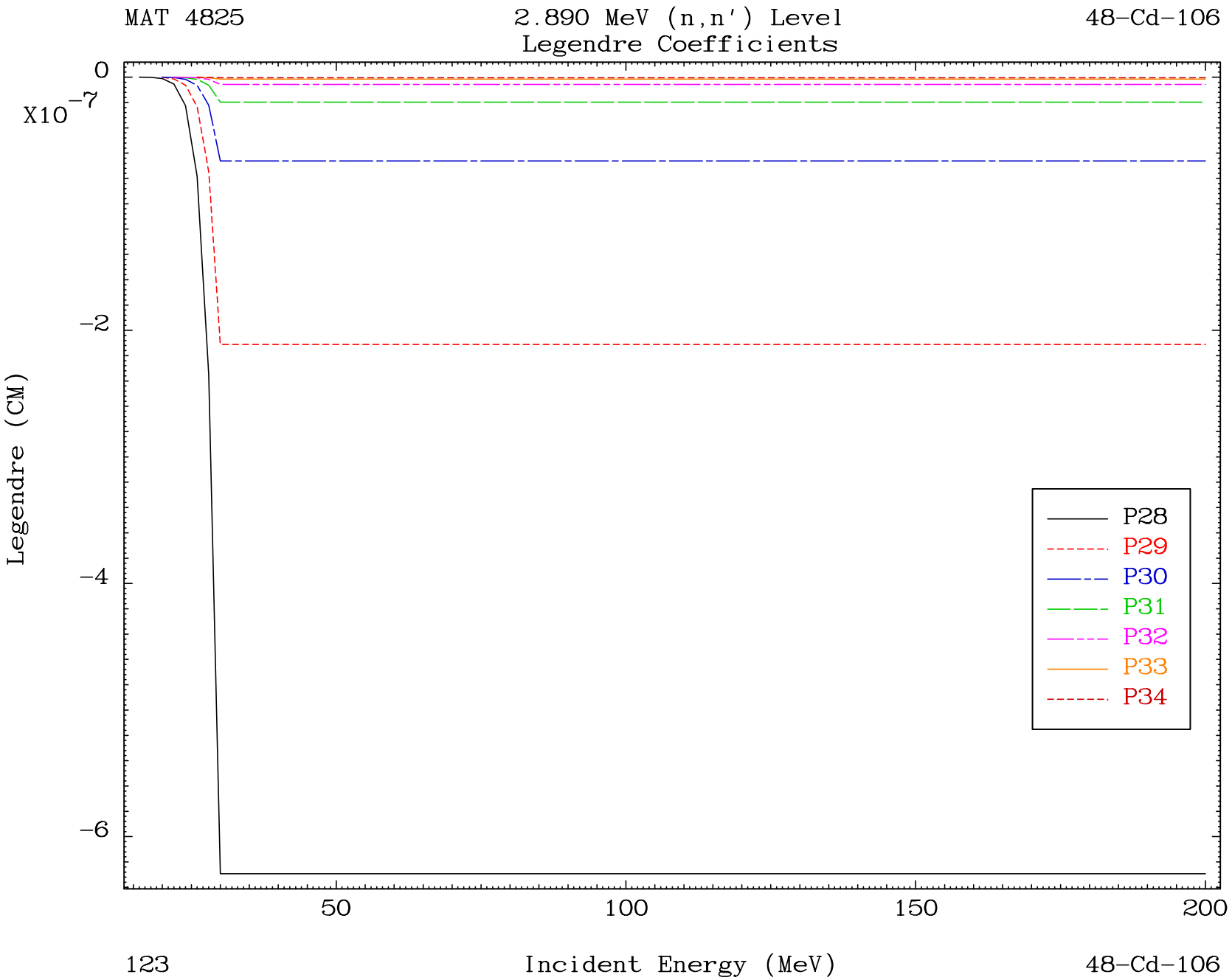

MAT 4825
2.825 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
118
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

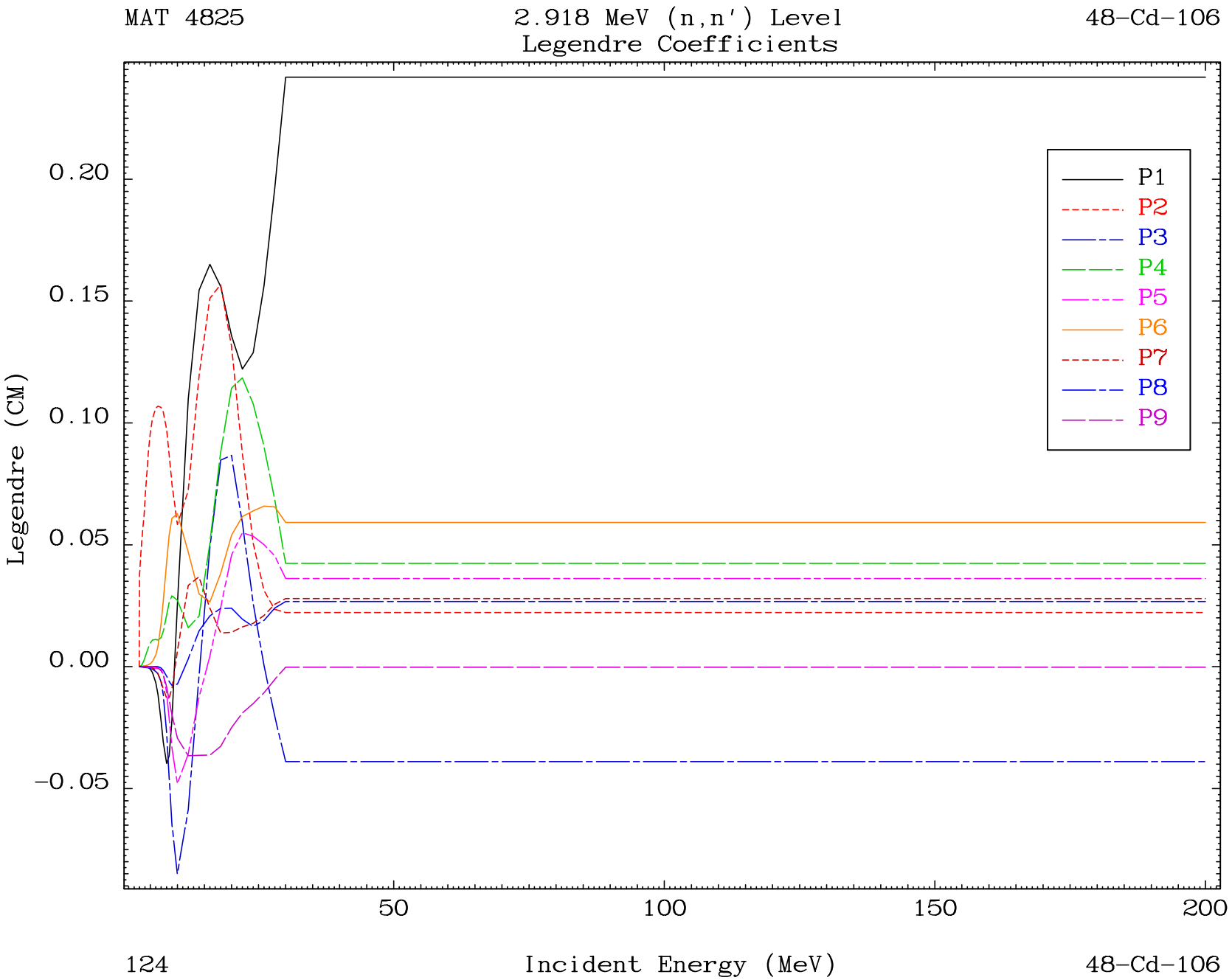

MAT 4825
2.825 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10 −6
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
119
Incident Energy (MeV)
48-Cd-106

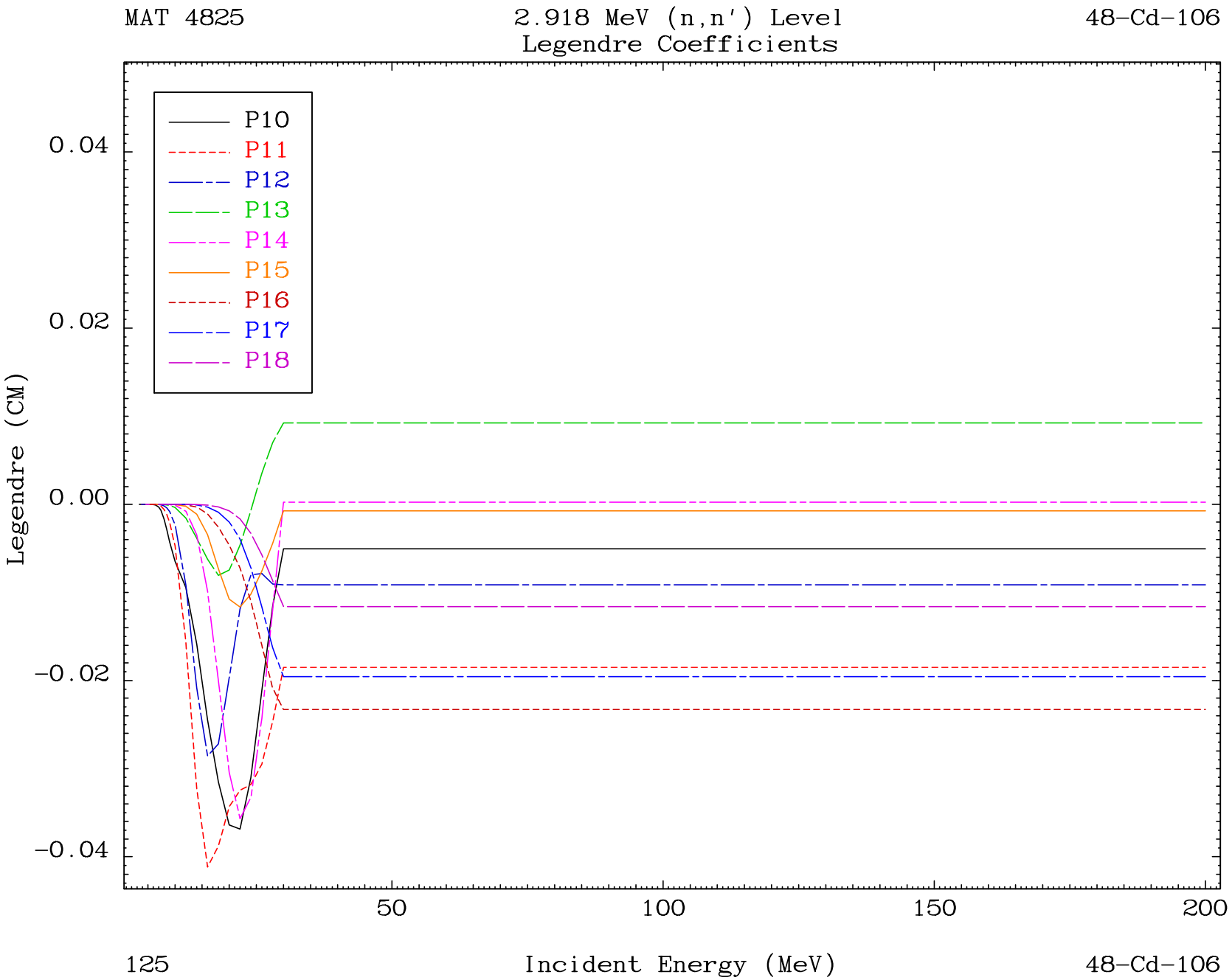

MAT 4825
2.890 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
120
Incident Energy (MeV)
48-Cd-106

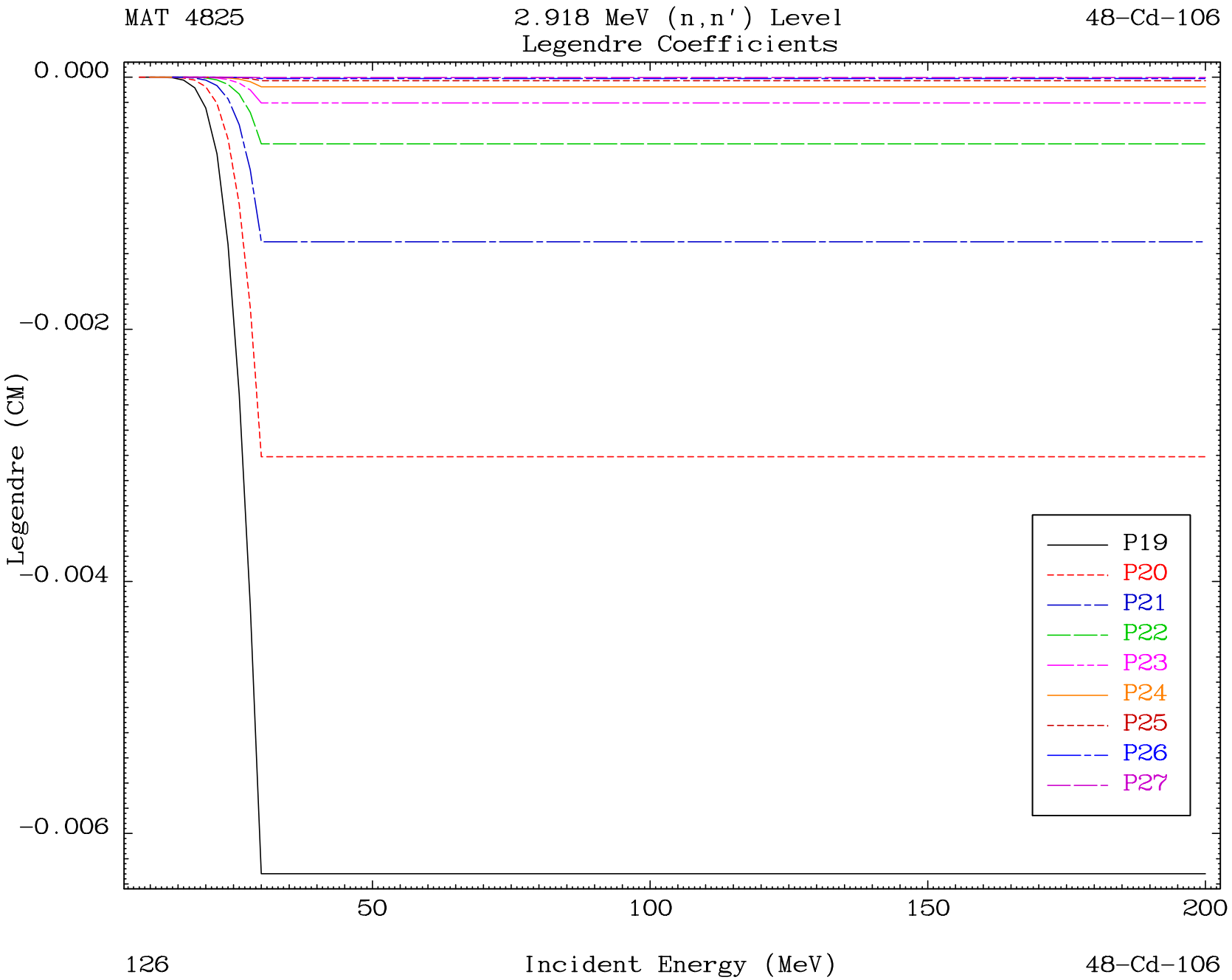

MAT 4825
2.890 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
121
Incident Energy (MeV)
48-Cd-106

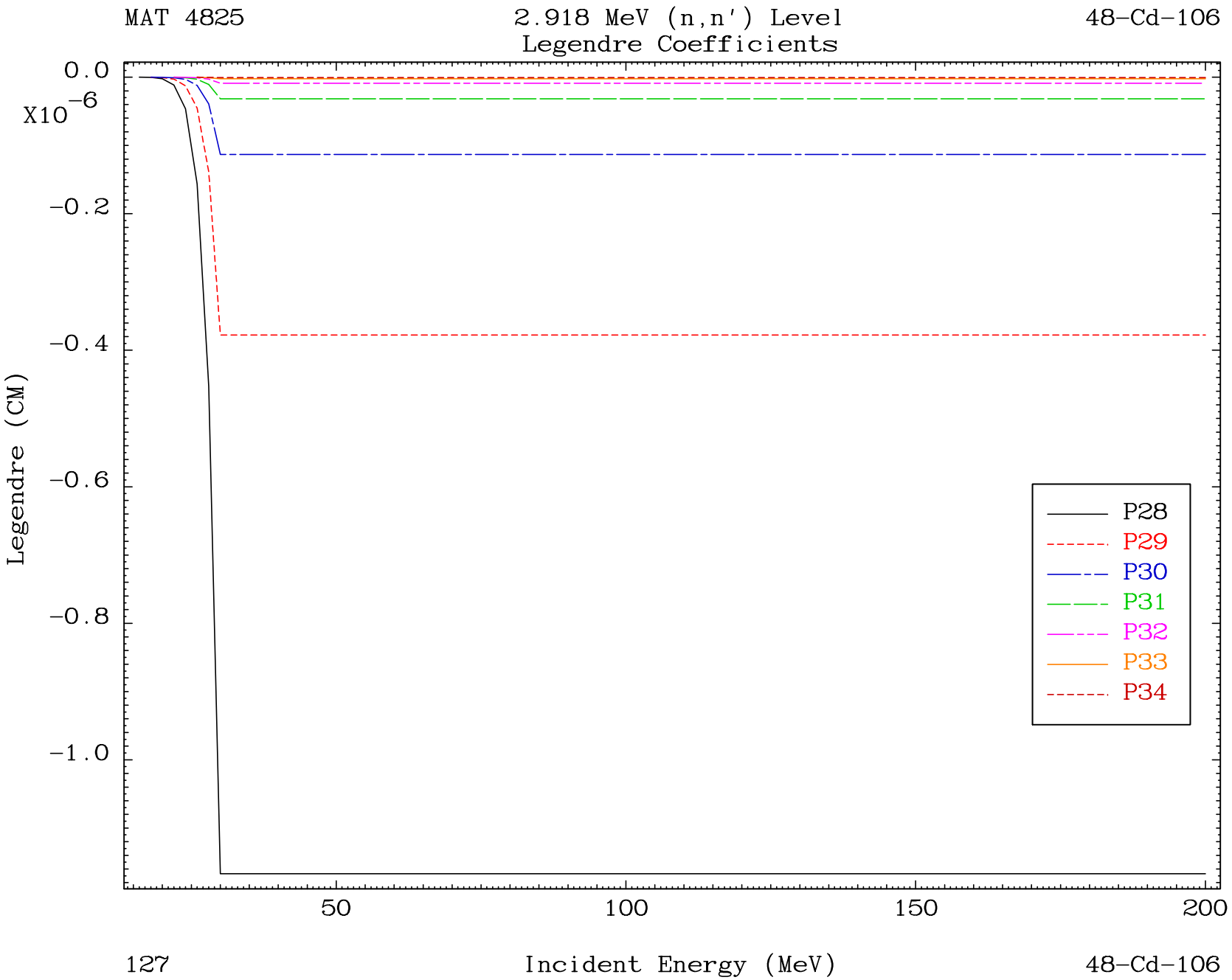

MAT 4825
2.890 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
122
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

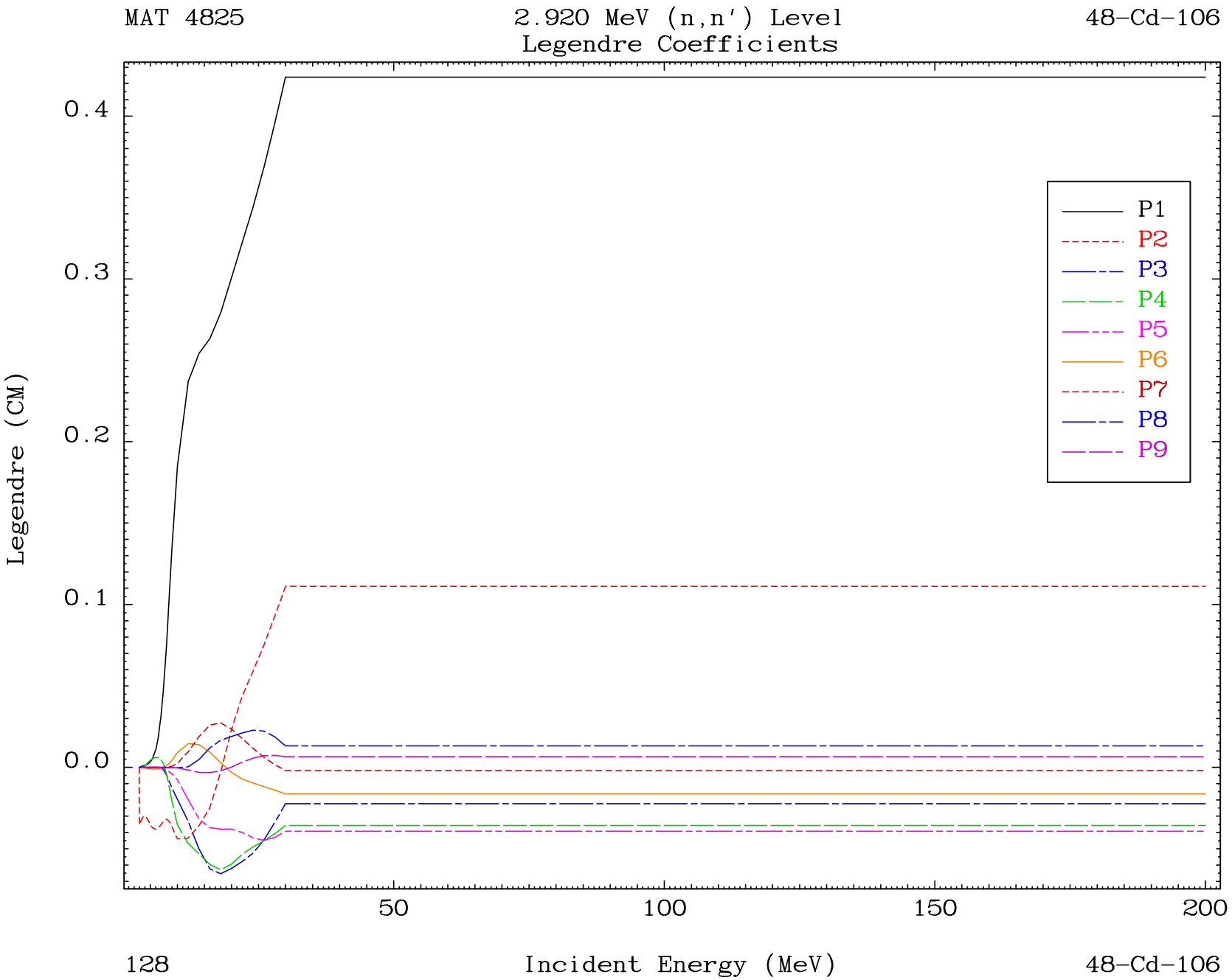

MAT 4825
2.890 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
123
Incident Energy (MeV)
48-Cd-106

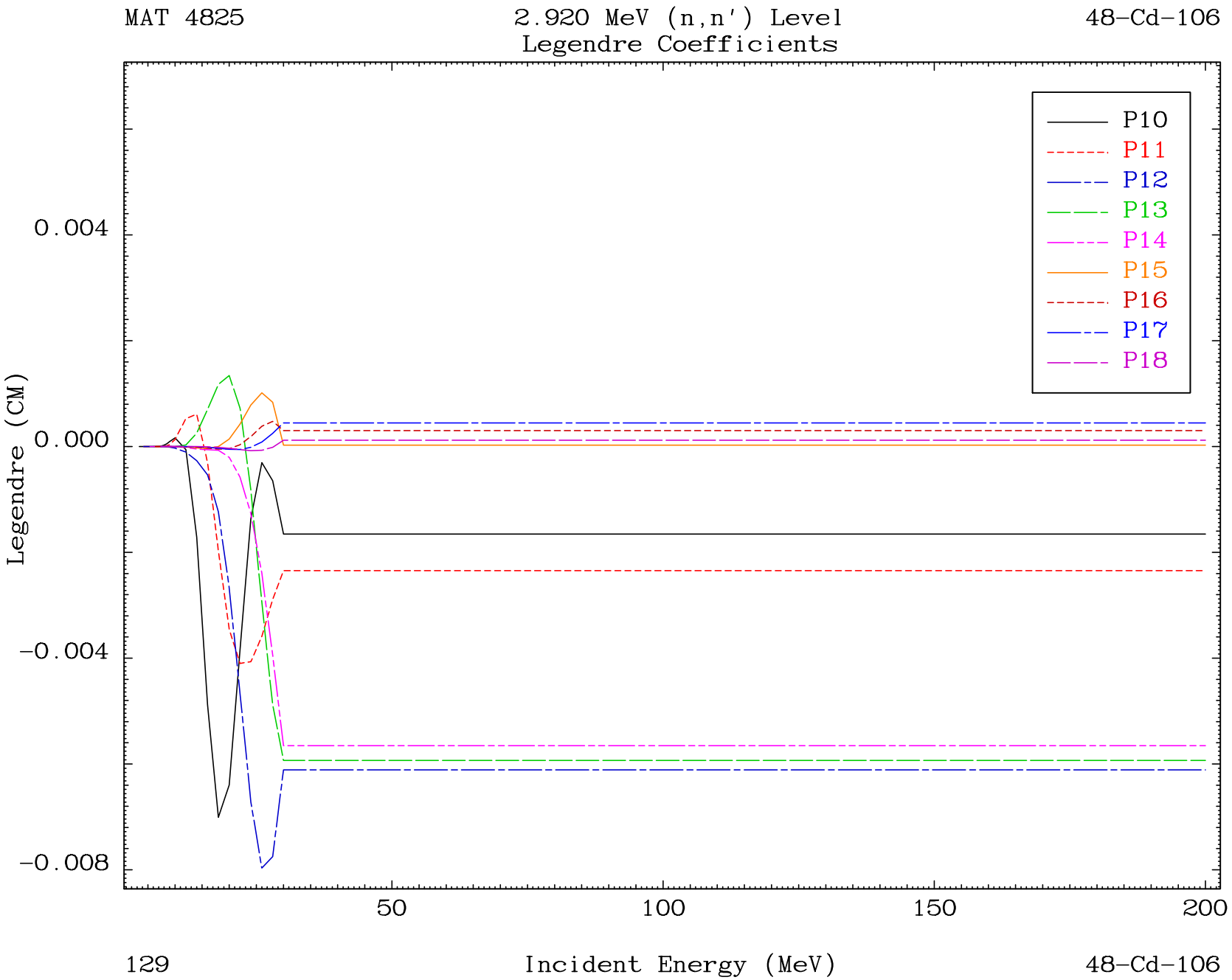

MAT 4825
2.918 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
50
100
150
200
124
Incident Energy (MeV)
48-Cd-106
P1
P2
P3
P4
P5
P6
P7
P8
P9

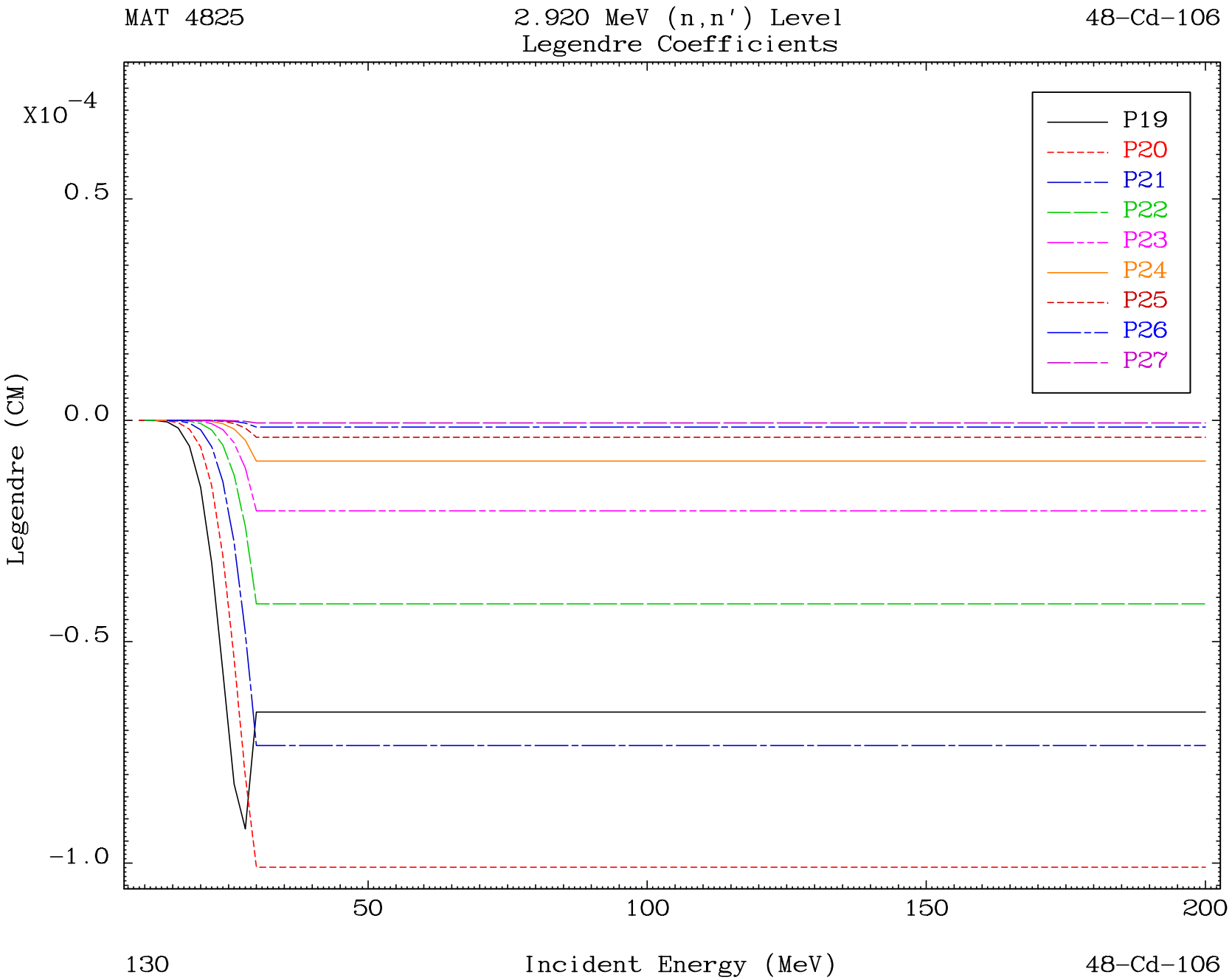

MAT 4825
2.918 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
125
50
100
150
200
Incident Energy (MeV)
48-Cd-106

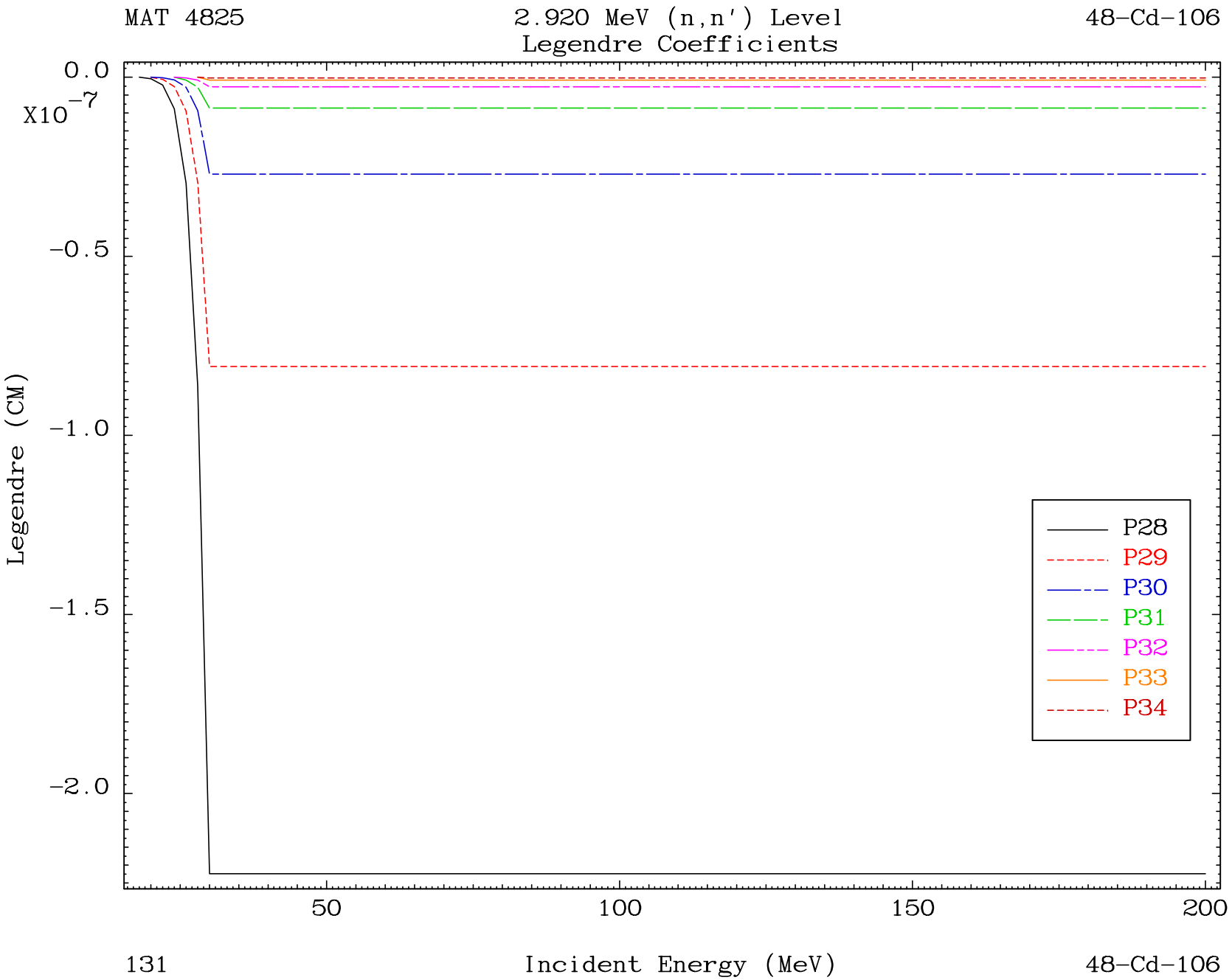

MAT 4825
2.918 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
126
Incident Energy (MeV)
48-Cd-106
P19
P20
P21
P22
P23
P24
P25
P26
P27

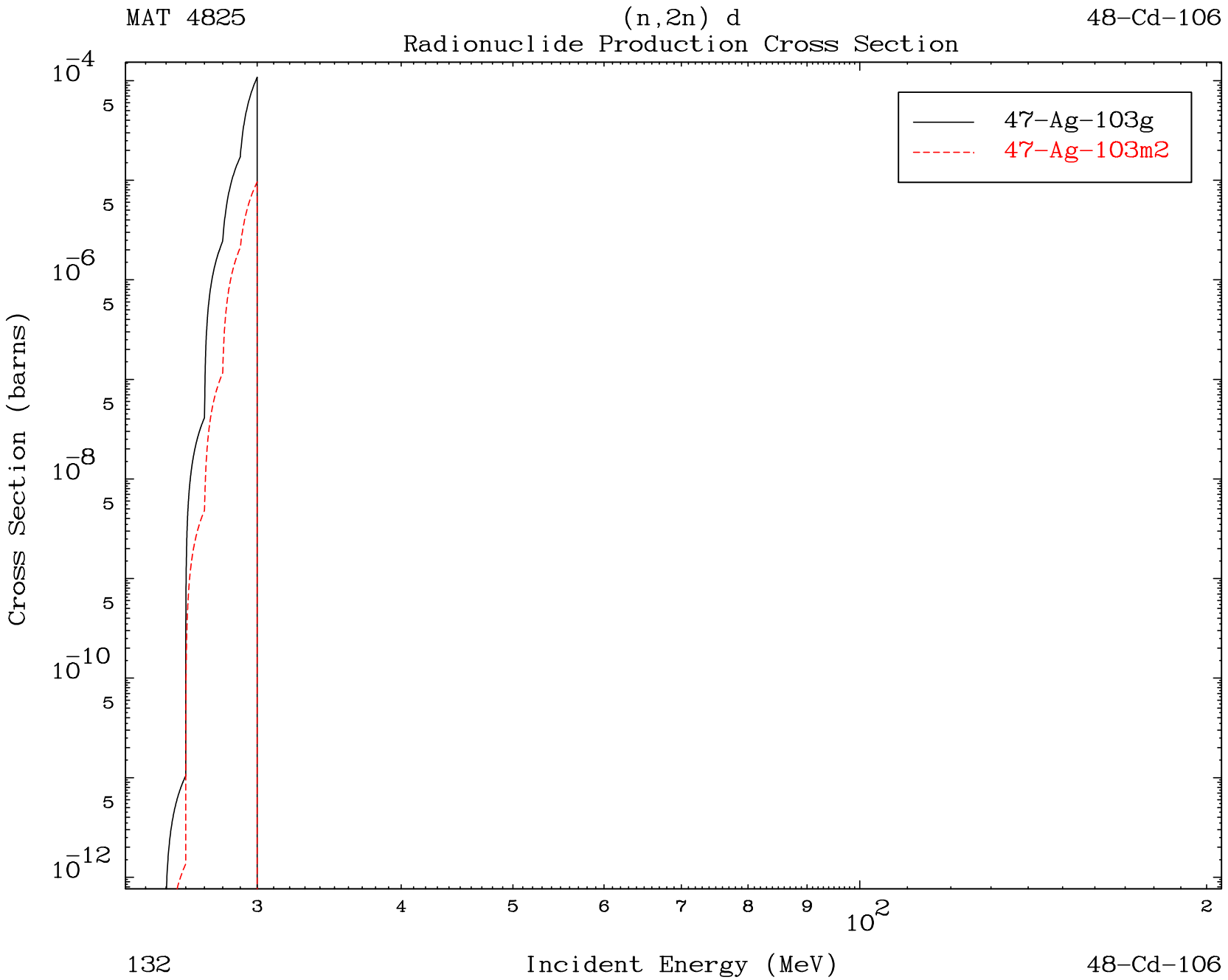

MAT 4825
2.918 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10 −6
−0.2
−0.4
−0.6
−0.8
−1.0
Legendre (CM)
50
100
150
200
127
Incident Energy (MeV)
48-Cd-106
P28
P29
P30
P31
P32
P33
P34

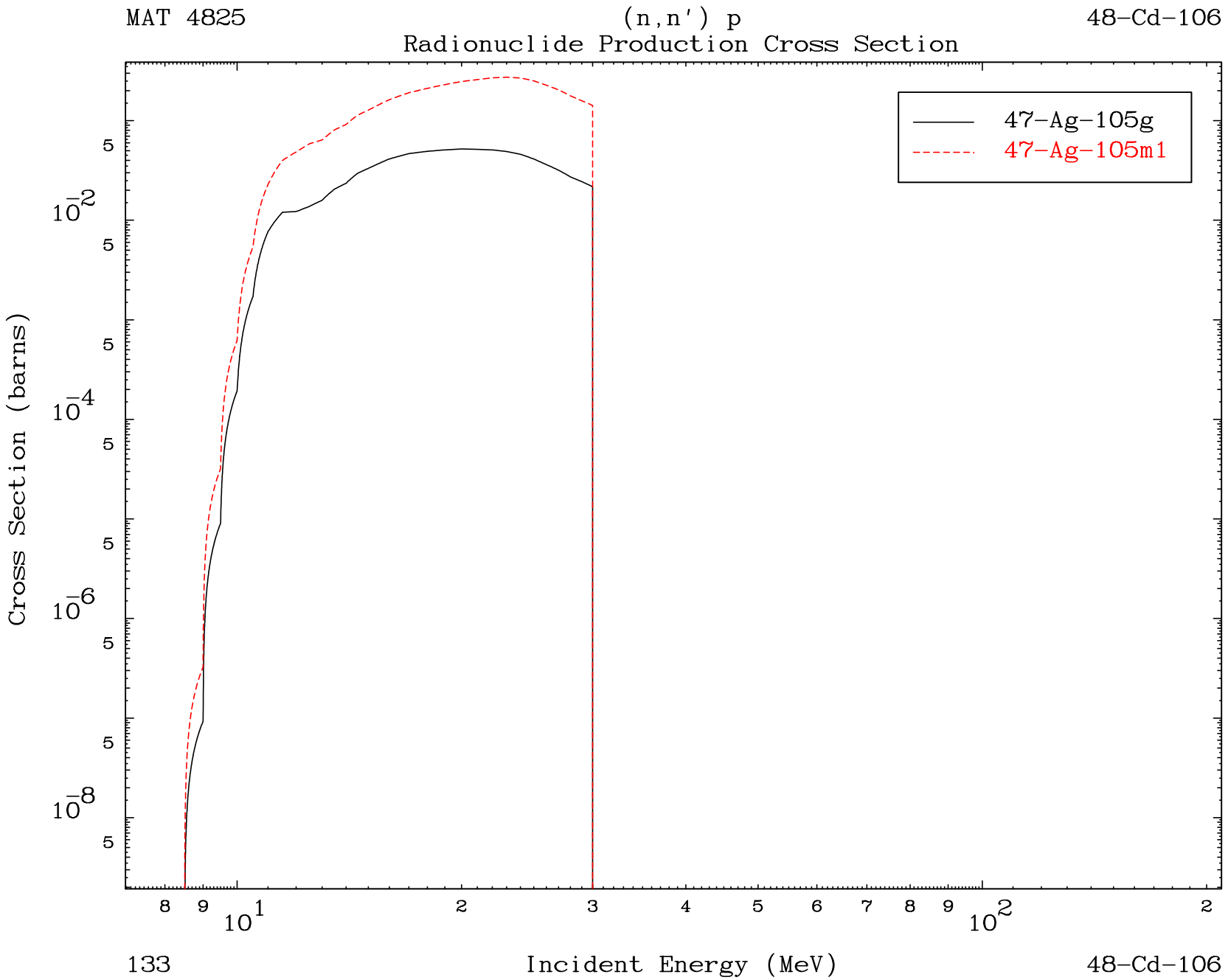

MAT 4825
2.920 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
128
Incident Energy (MeV)
48-Cd-106

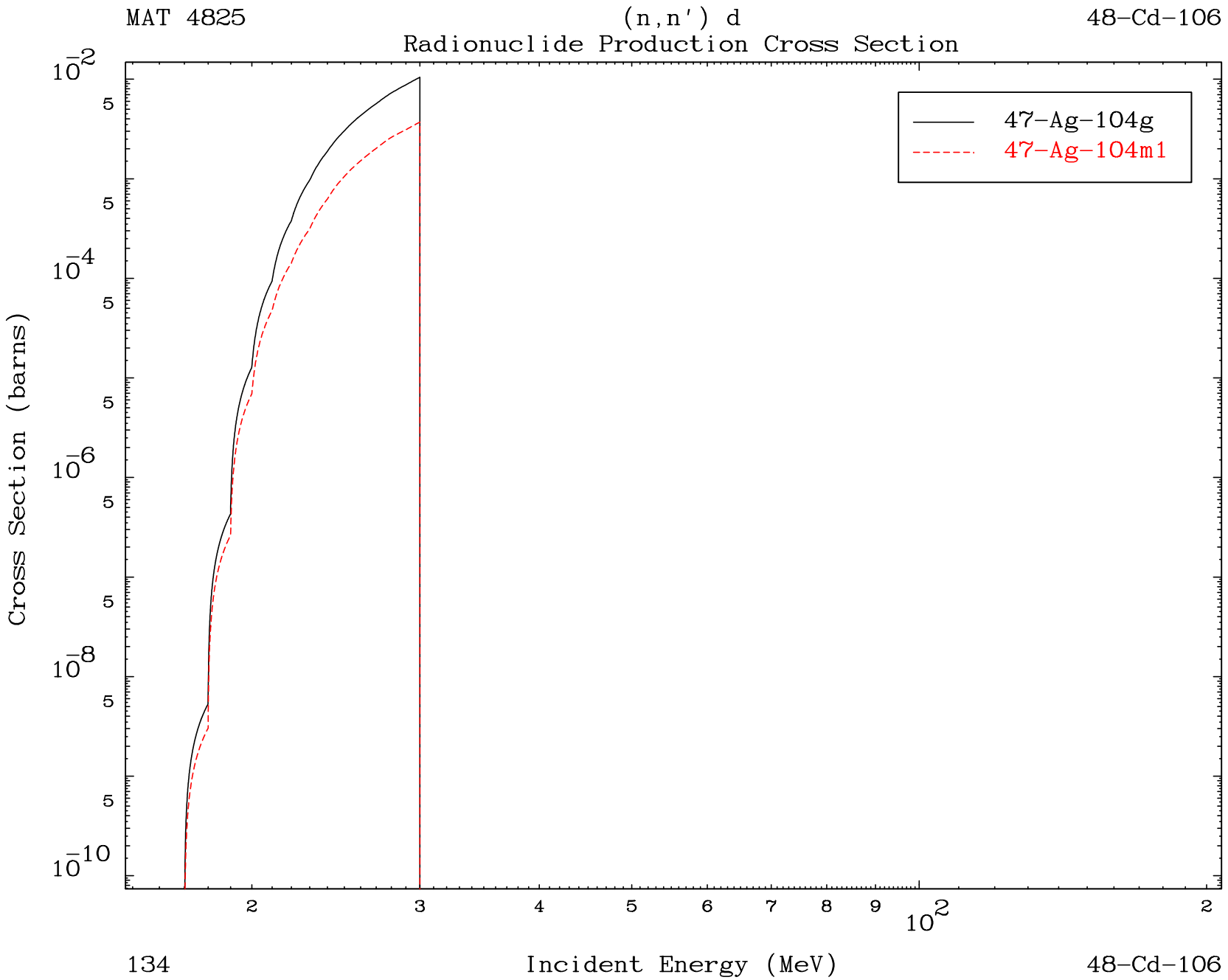

MAT 4825
2.920 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.004
0.000
-0.004
-0.008
Legendre (CM)
50
100
150
200
129
Incident Energy (MeV)
48-Cd-106

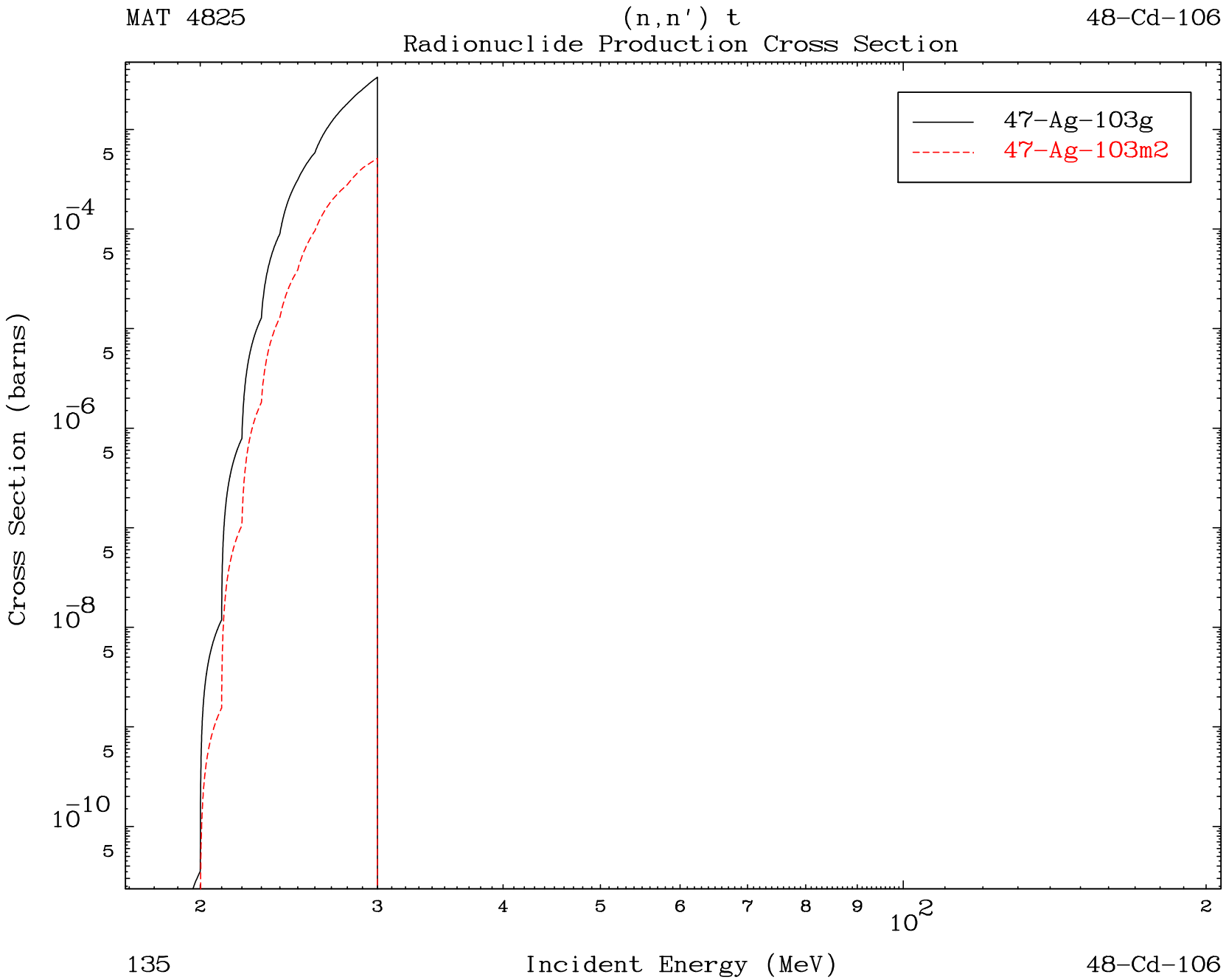

MAT 4825
2.920 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
X10^-4
0.5
0.0
-0.5
-1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
130
Incident Energy (MeV)
48-Cd-106

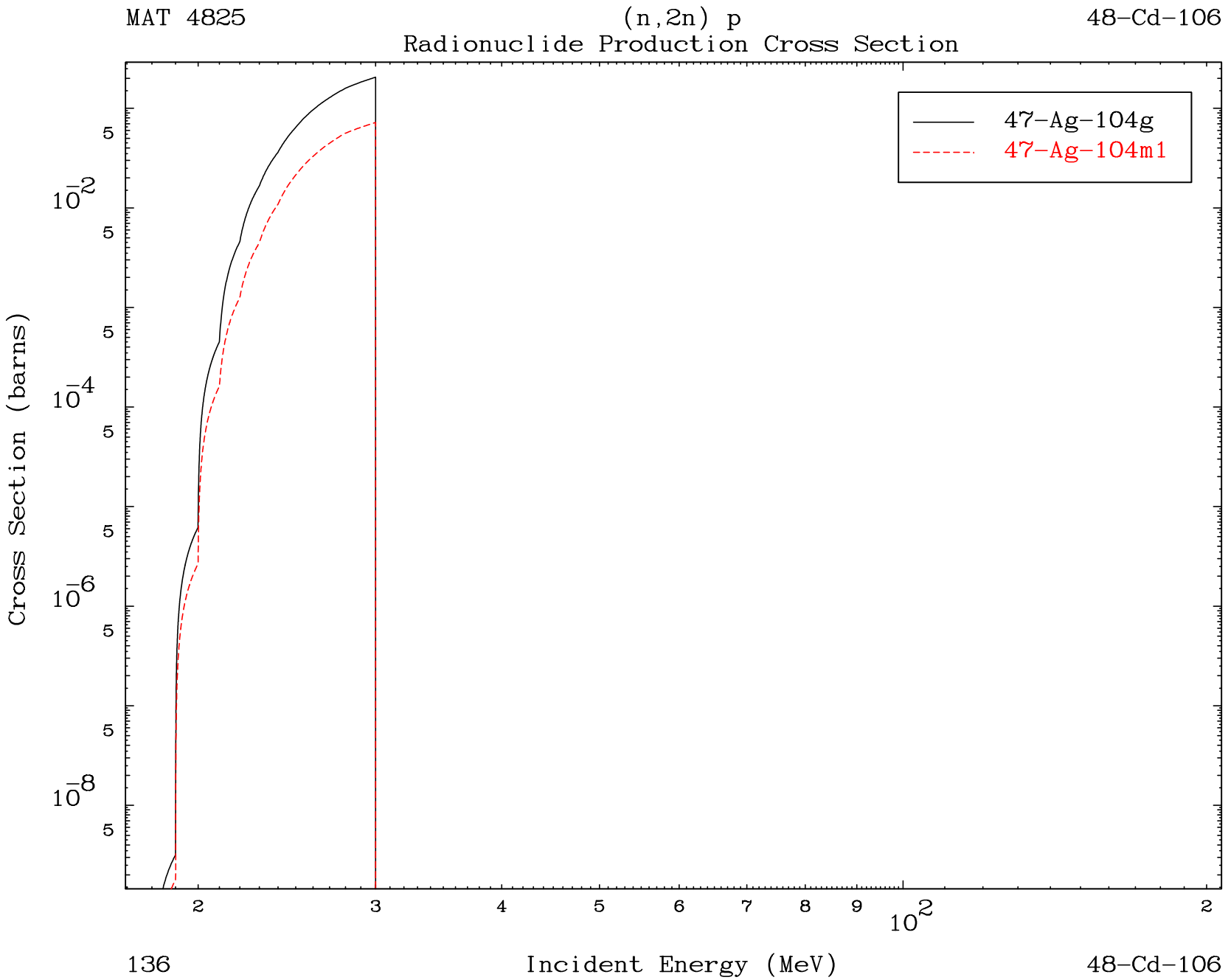

MAT 4825
2.920 MeV (n,n') Level
Legendre Coefficients
48-Cd-106
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
131
Incident Energy (MeV)
48-Cd-106
P28
P29
P30
P31
P32
P33
P34

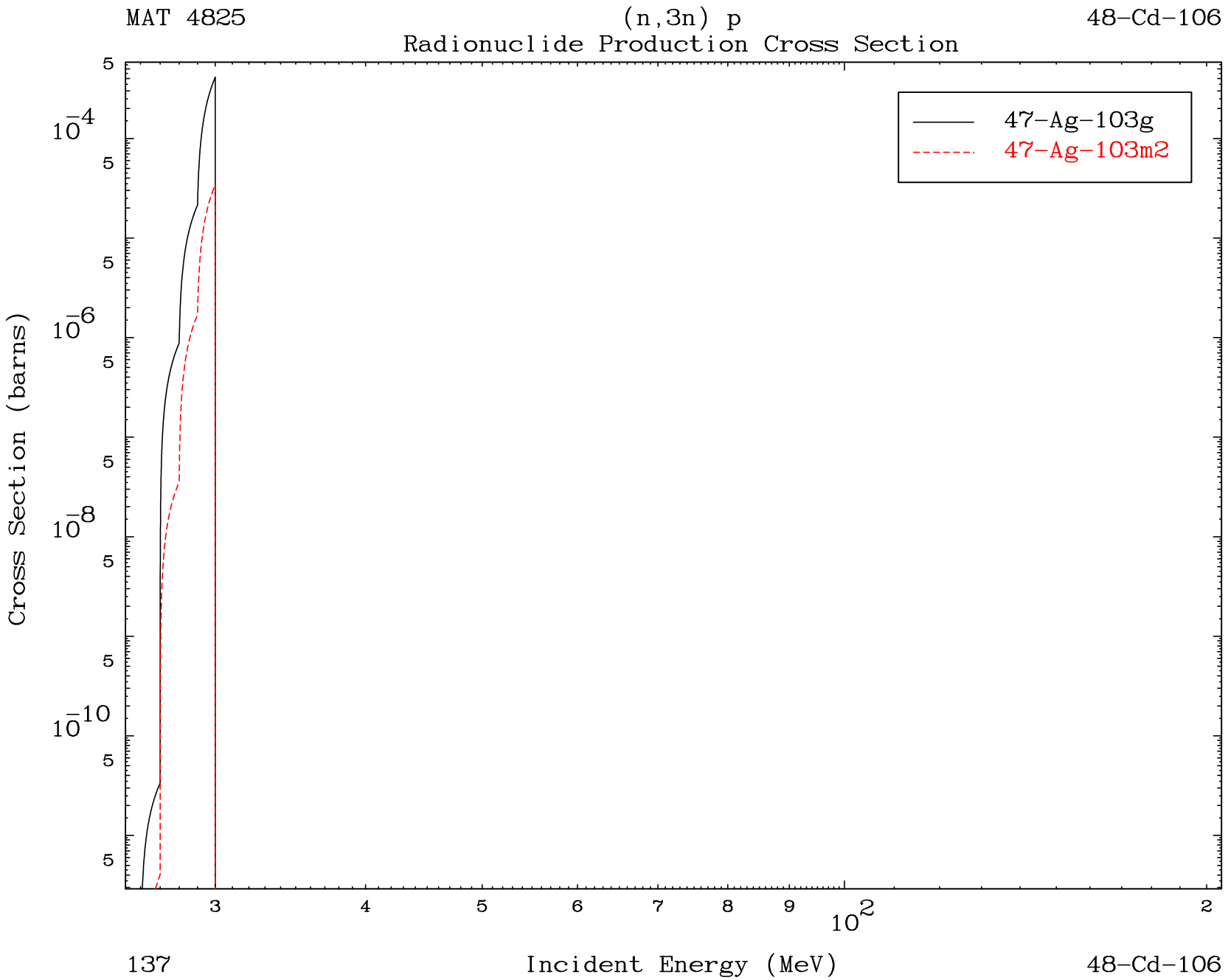

MAT 4825
(n,2n) d
48-Cd-106
Radionuclide Production Cross Section
47-Ag-103g
47-Ag-103m2
Cross Section (barns)
Incident Energy (MeV)
132
48-Cd-106

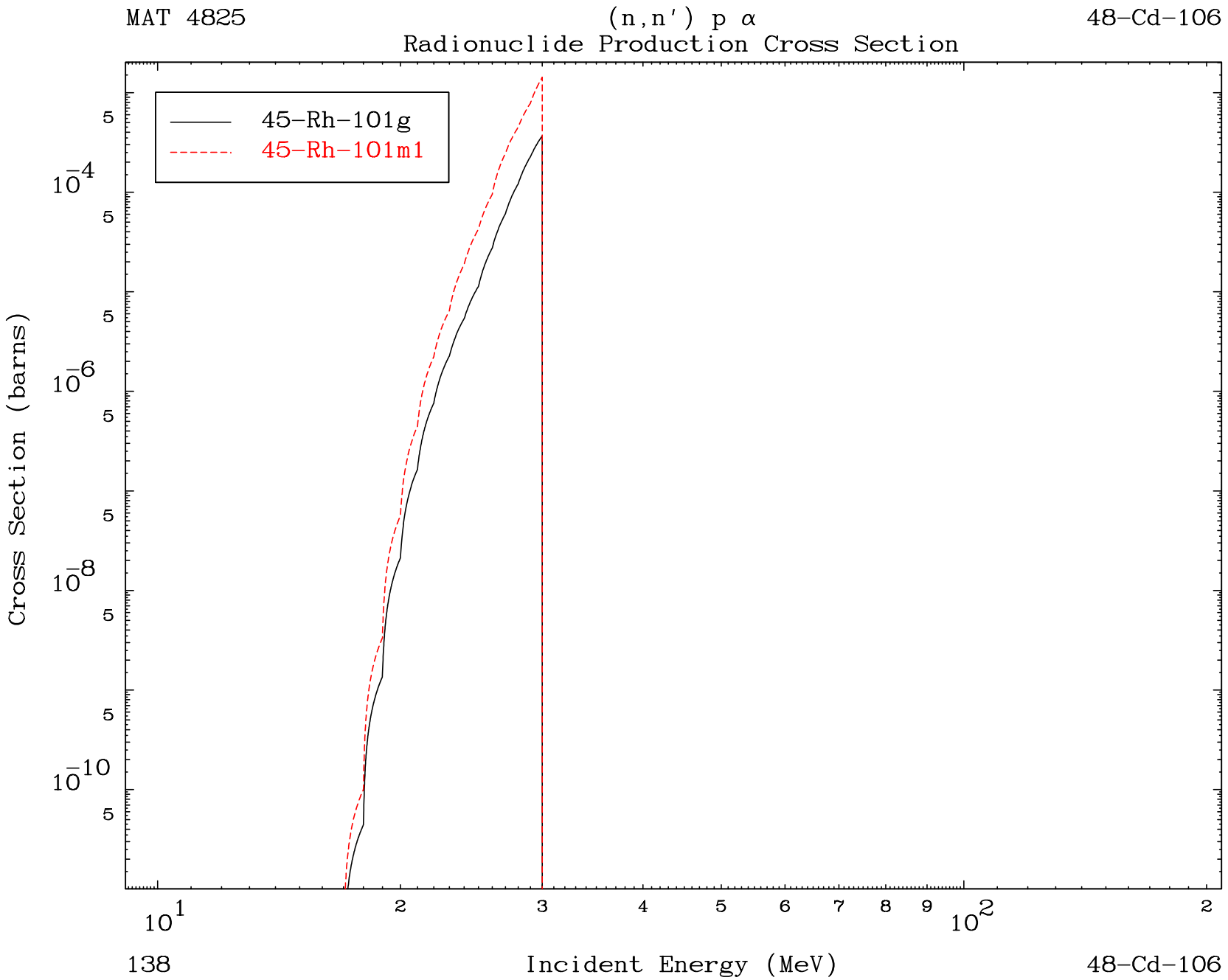

MAT 4825
(n,n') p
48-Cd-106
Radionuclide Production Cross Section
47-Ag-105g
47-Ag-105m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
133
48-Cd-106

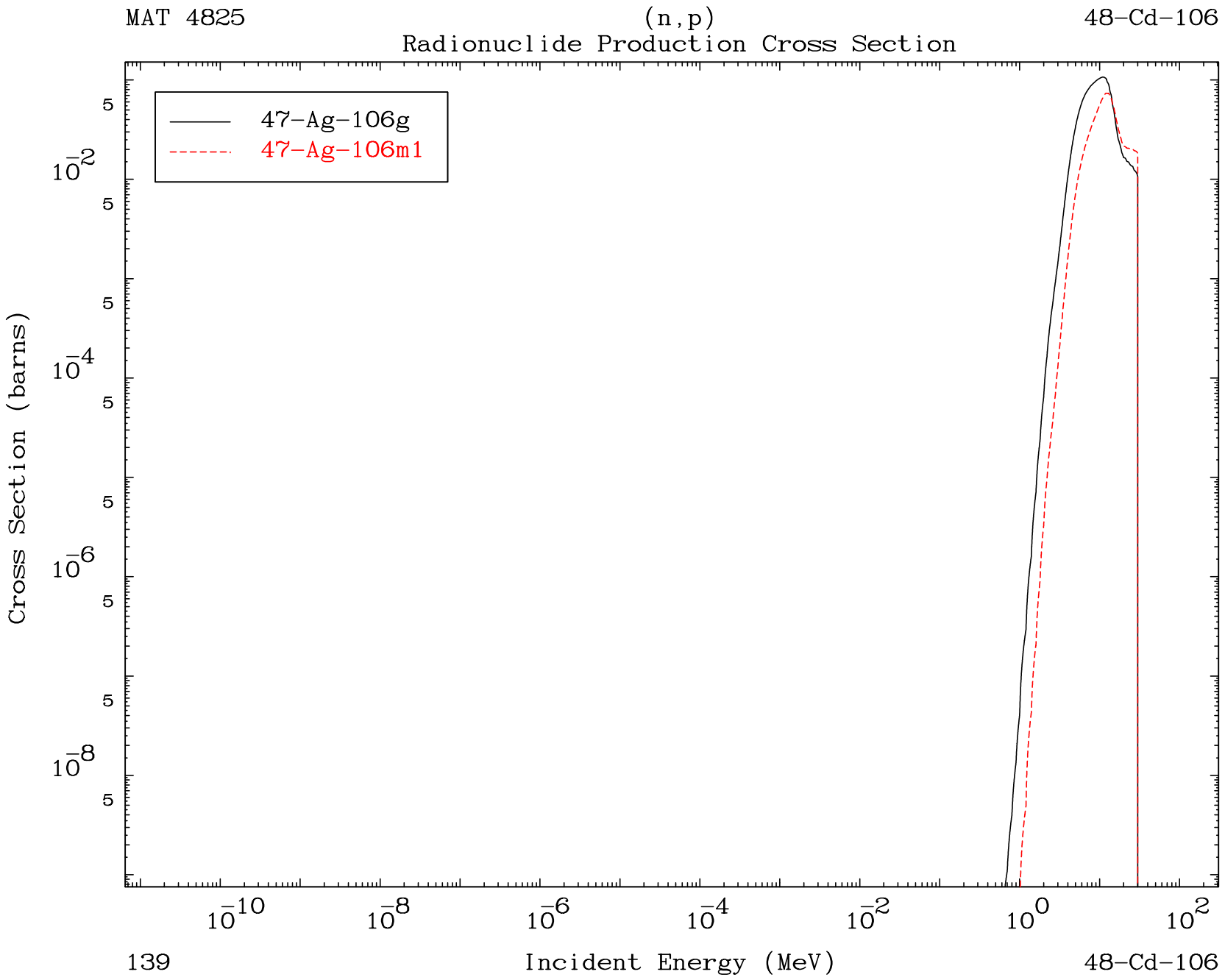

MAT 4825
(n,n') d
48-Cd-106
Radionuclide Production Cross Section
47-Ag-104g
47-Ag-104m1
Cross Section (barns)
Incident Energy (MeV)
134
48-Cd-106

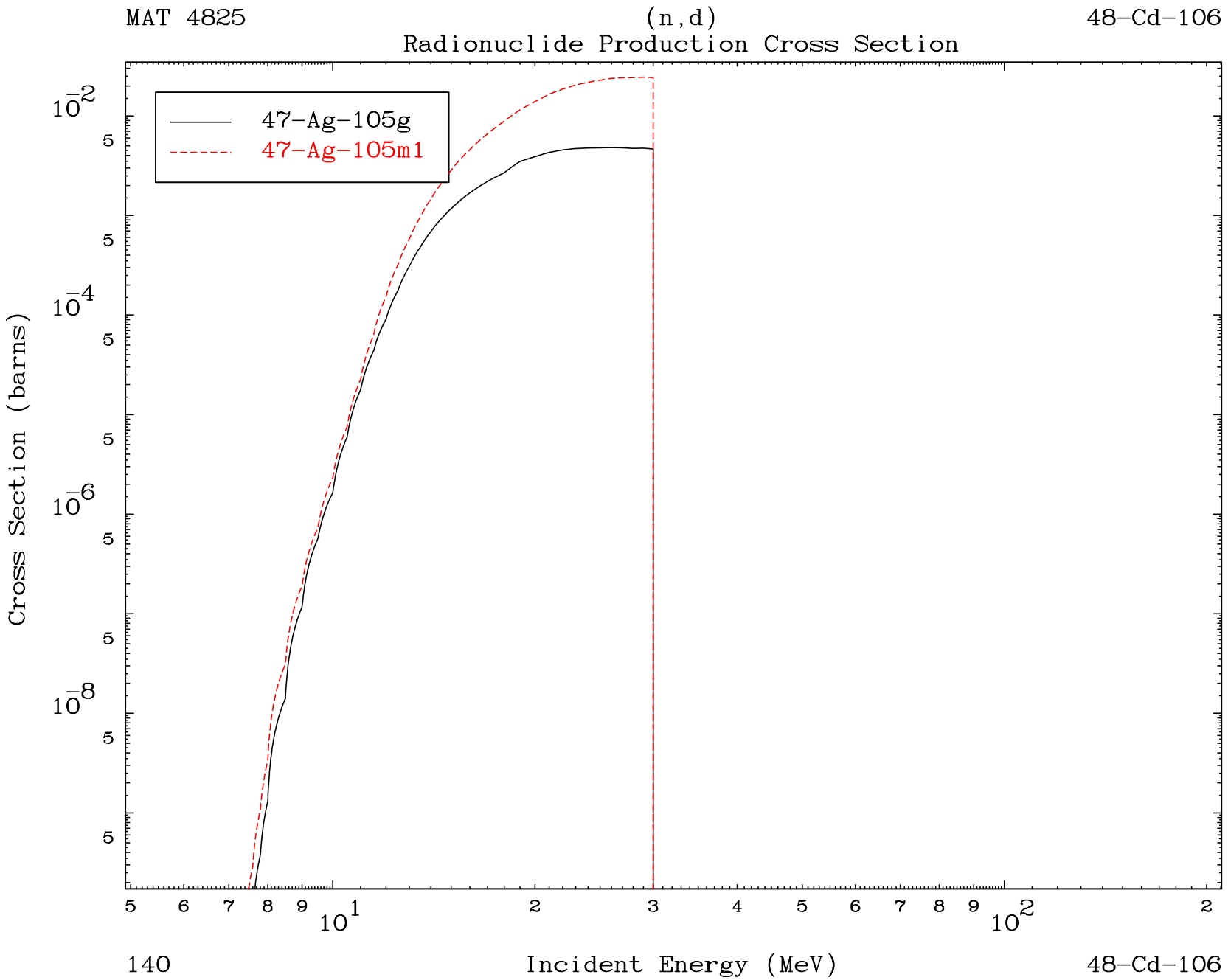

MAT 4825
(n,n') t
48-Cd-106
Radionuclide Production Cross Section
47-Ag-103g
47-Ag-103m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
135
Incident Energy (MeV)
48-Cd-106

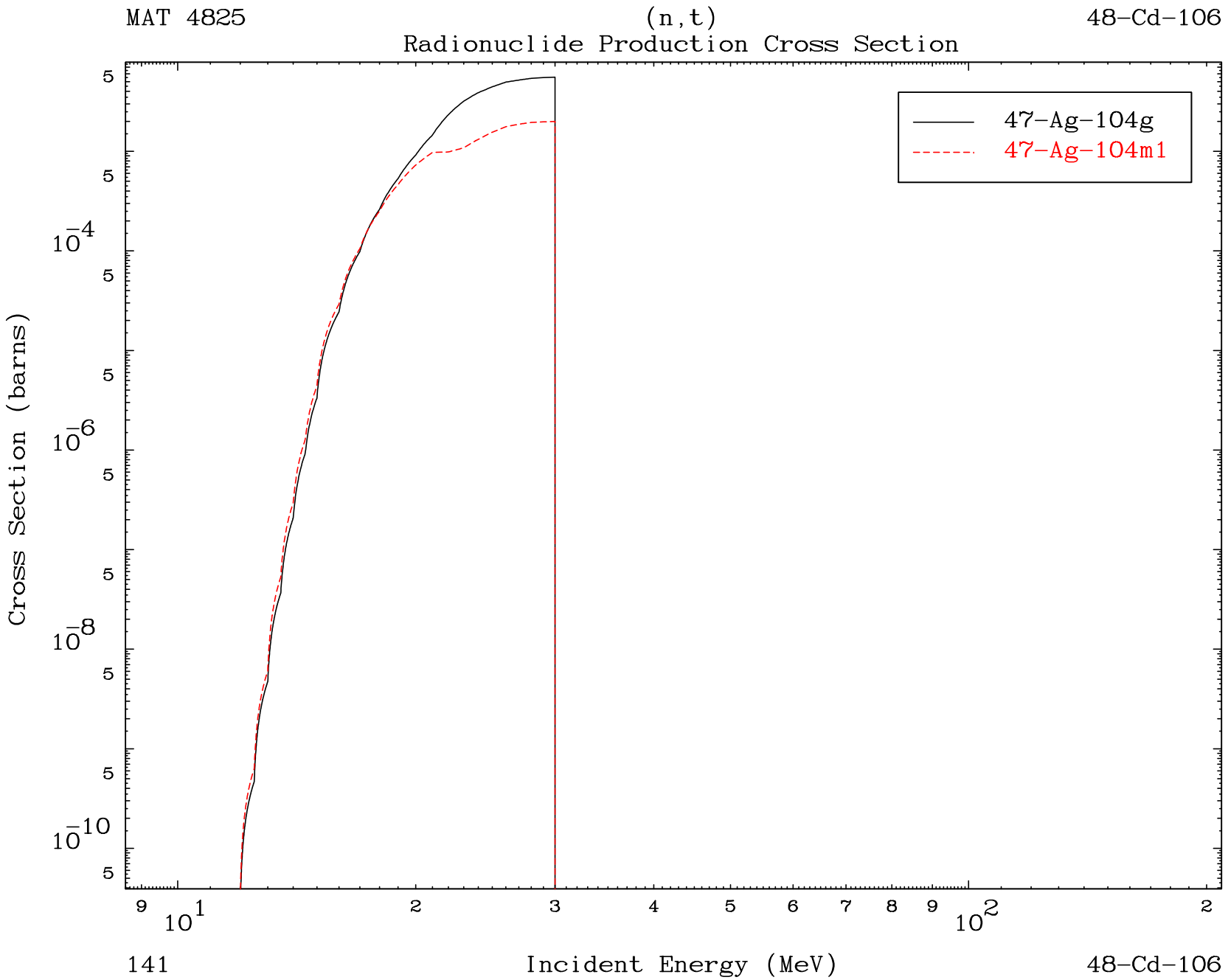

MAT 4825
(n,2n) p
48-Cd-106
Radionuclide Production Cross Section
47-Ag-104g
47-Ag-104m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
136
Incident Energy (MeV)
48-Cd-106

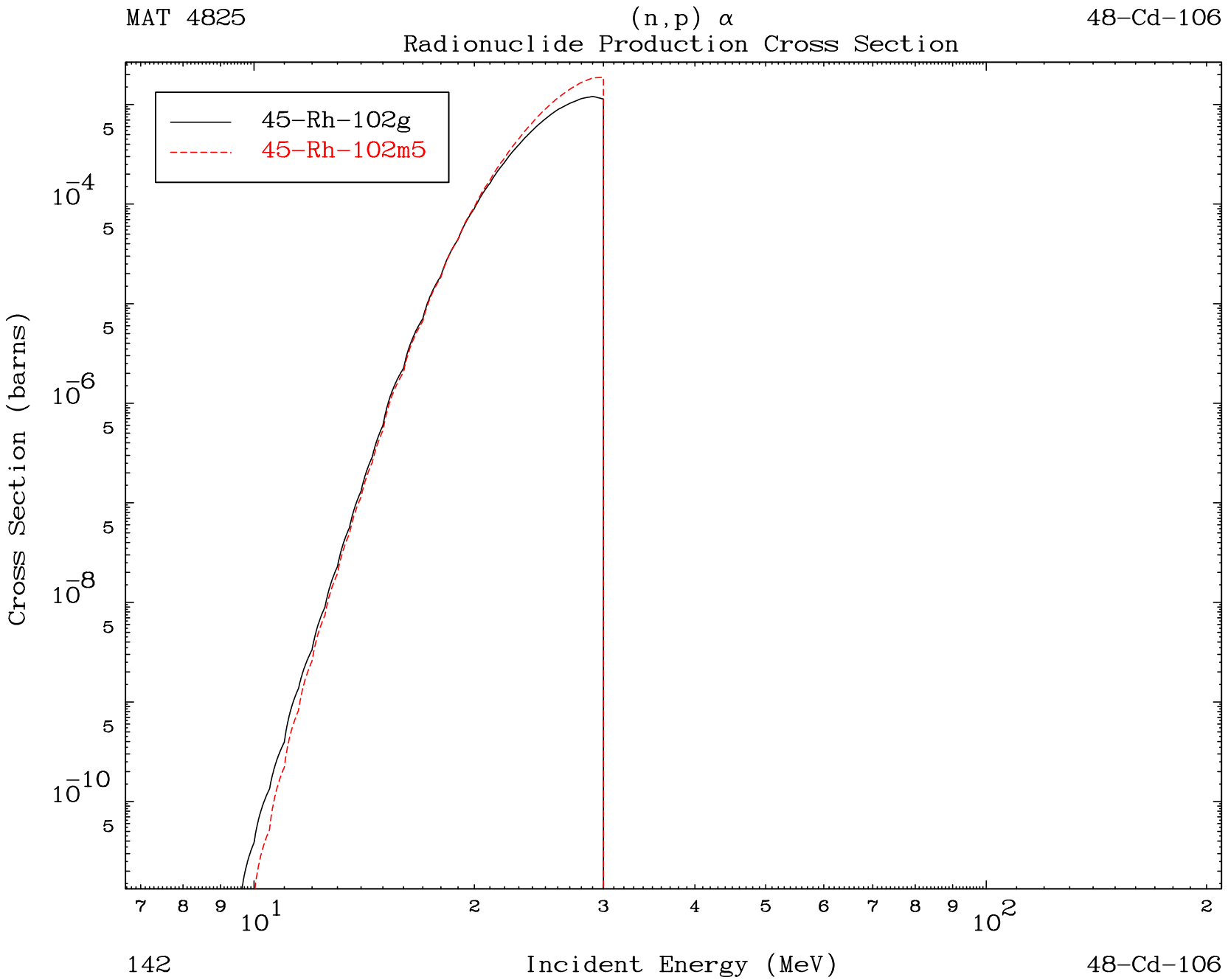

MAT 4825
(n,3n) p
48-Cd-106
Radionuclide Production Cross Section
47-Ag-103g
47-Ag-103m2
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
137
Incident Energy (MeV)
48-Cd-106

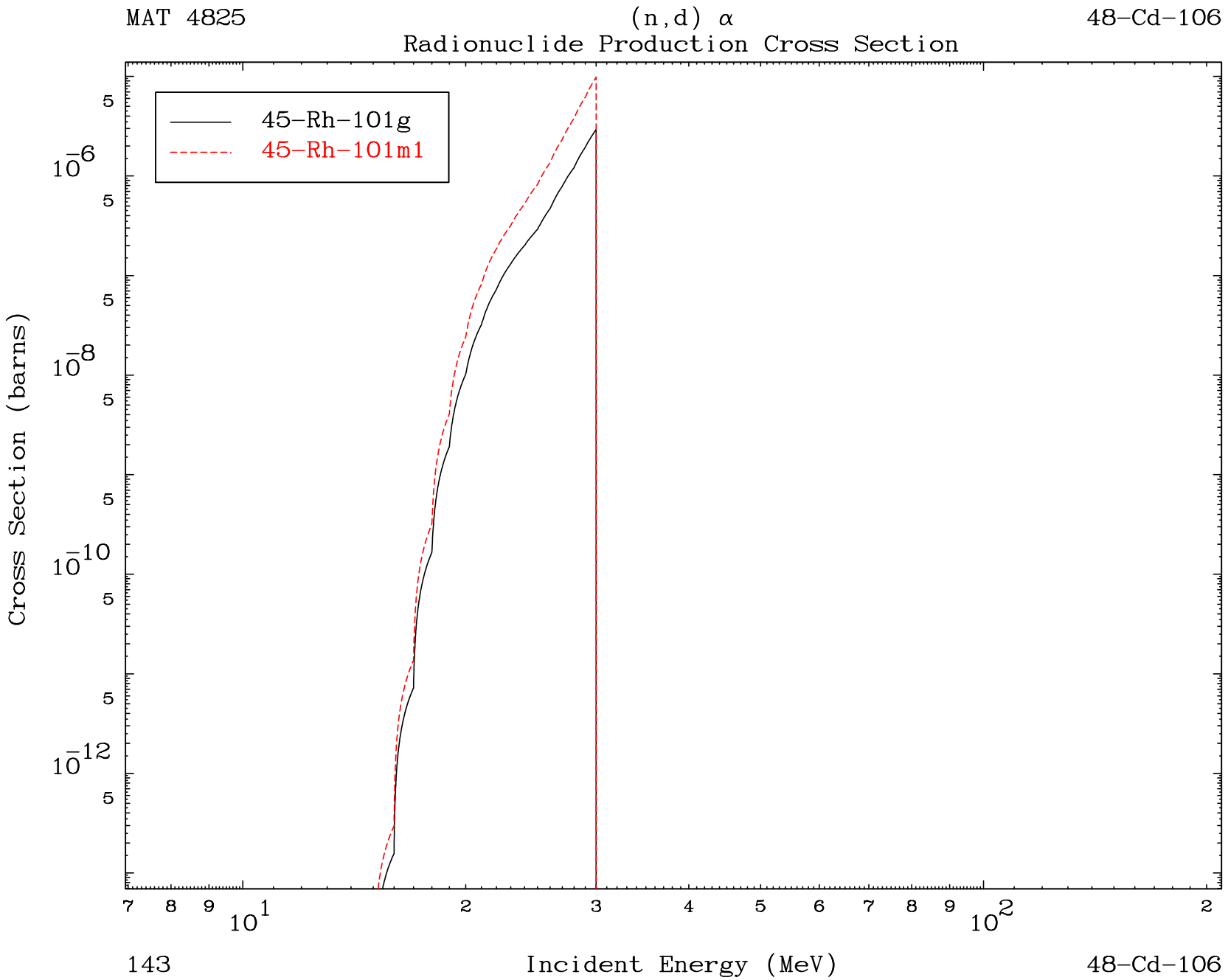

MAT 4825
(n,n') p α
48-Cd-106
Radionuclide Production Cross Section
45-Rh-101g
45-Rh-101m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
138
Incident Energy (MeV)
48-Cd-106


MAT 4825
(n,p)
48-Cd-106
Radionuclide Production Cross Section
47-Ag-106g
47-Ag-106m1
Cross Section (barns)
Incident Energy (MeV)
139
48-Cd-106


MAT 4825
(n,d)
48-Cd-106
Radionuclide Production Cross Section
47-Ag-105g
47-Ag-105m1
Cross Section (barns)
Incident Energy (MeV)
140
48-Cd-106


MAT 4825
(n,t)
48-Cd-106
Radionuclide Production Cross Section
47-Ag-104g
47-Ag-104m1
Cross Section (barns)
Incident Energy (MeV)
141
48-Cd-106


MAT 4825
(n,p) α
48-Cd-106
Radionuclide Production Cross Section
45-Rh-102g
45-Rh-102m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
142
Incident Energy (MeV)
48-Cd-106


MAT 4825
(n,d) α
48-Cd-106
Radionuclide Production Cross Section
45-Rh-101g
45-Rh-101m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
143
Incident Energy (MeV)
48-Cd-106