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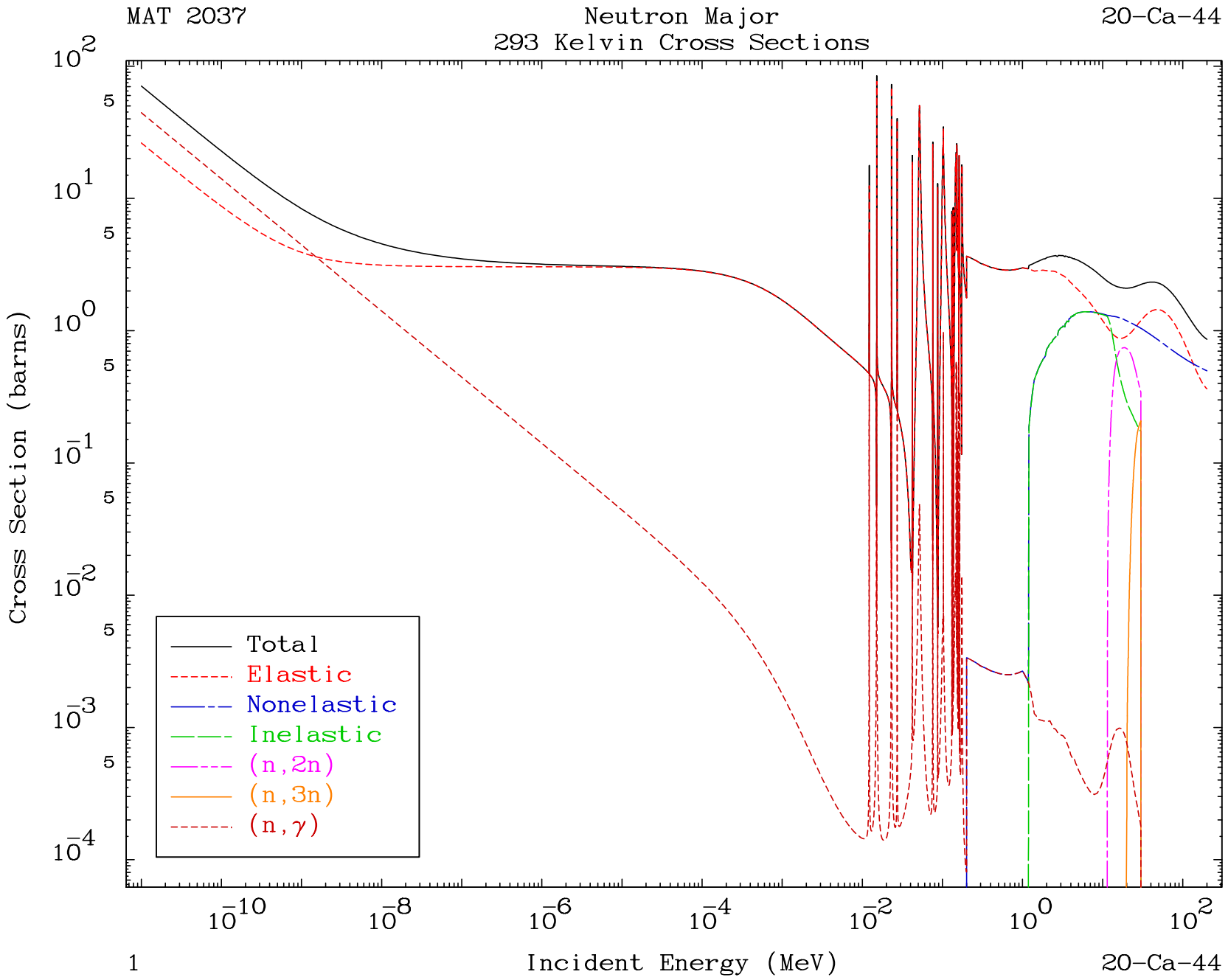
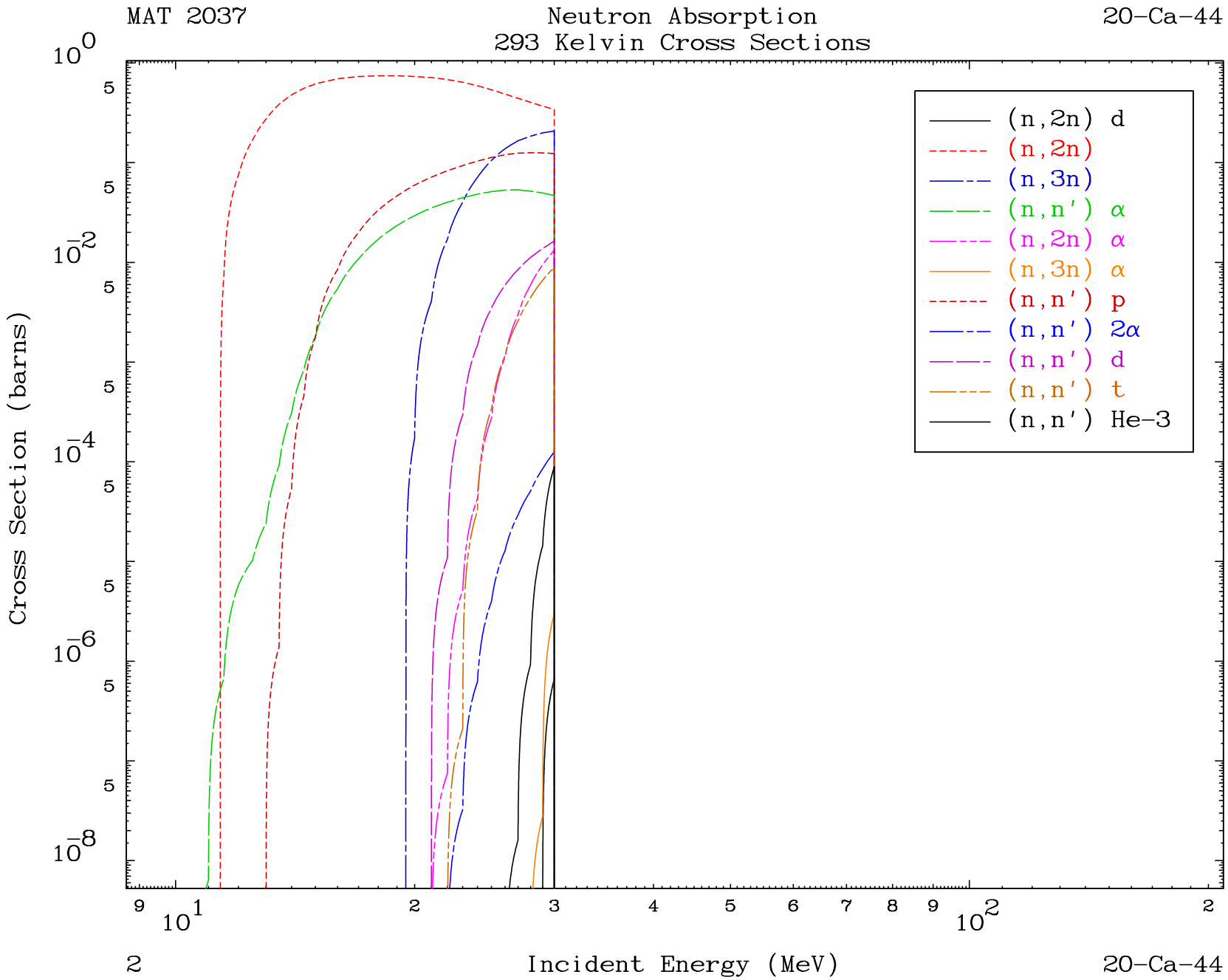
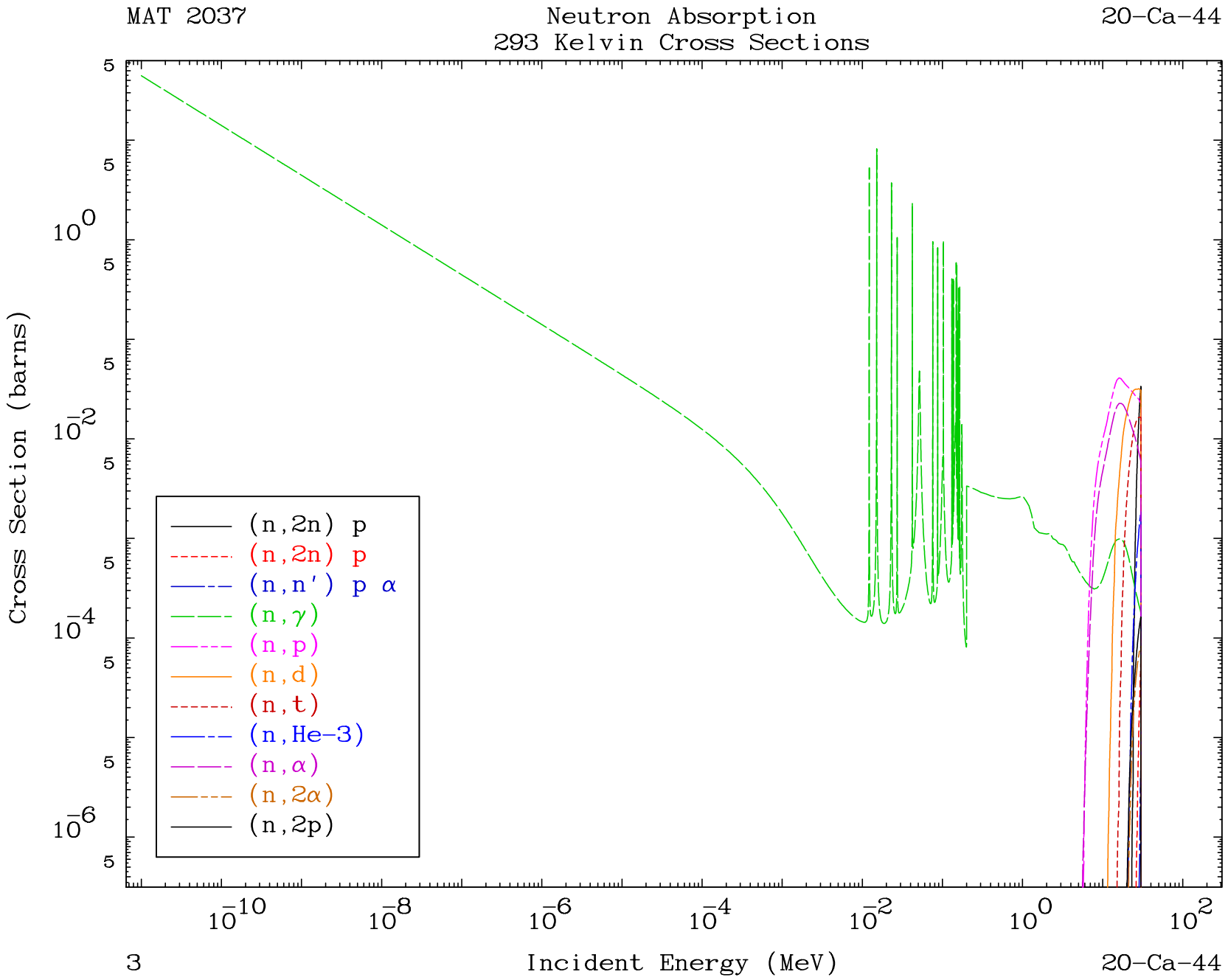
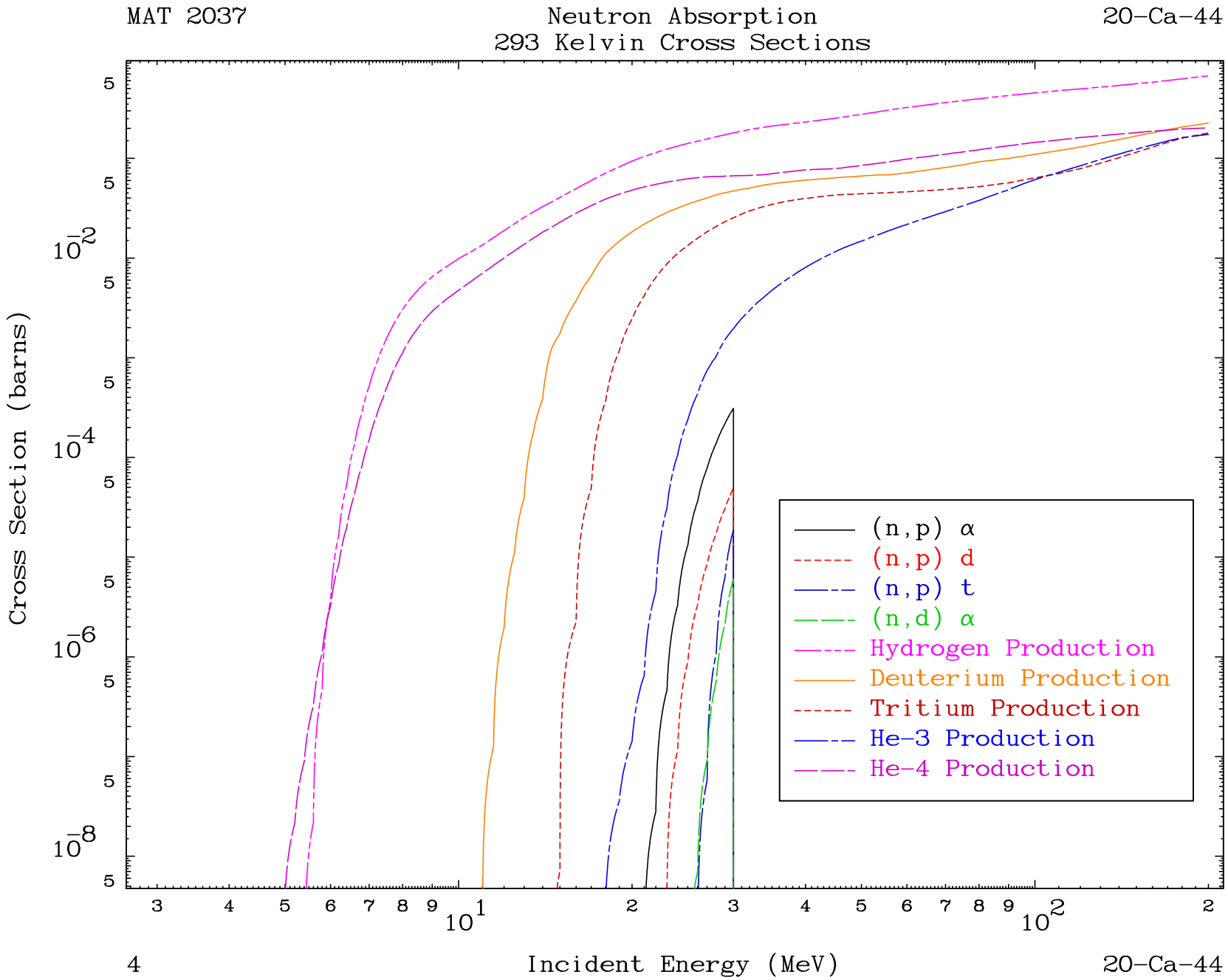
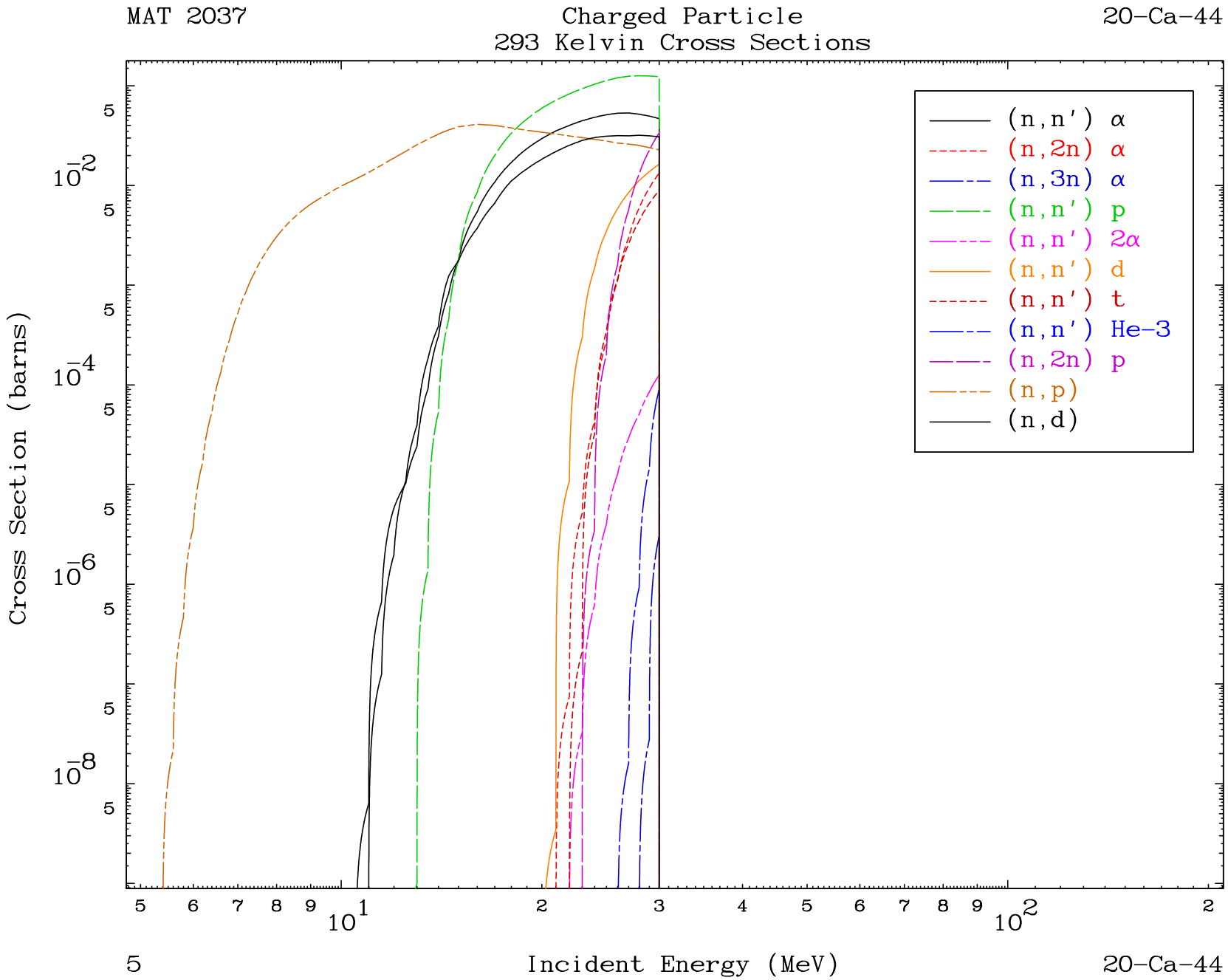
Press Mouse Button to Start

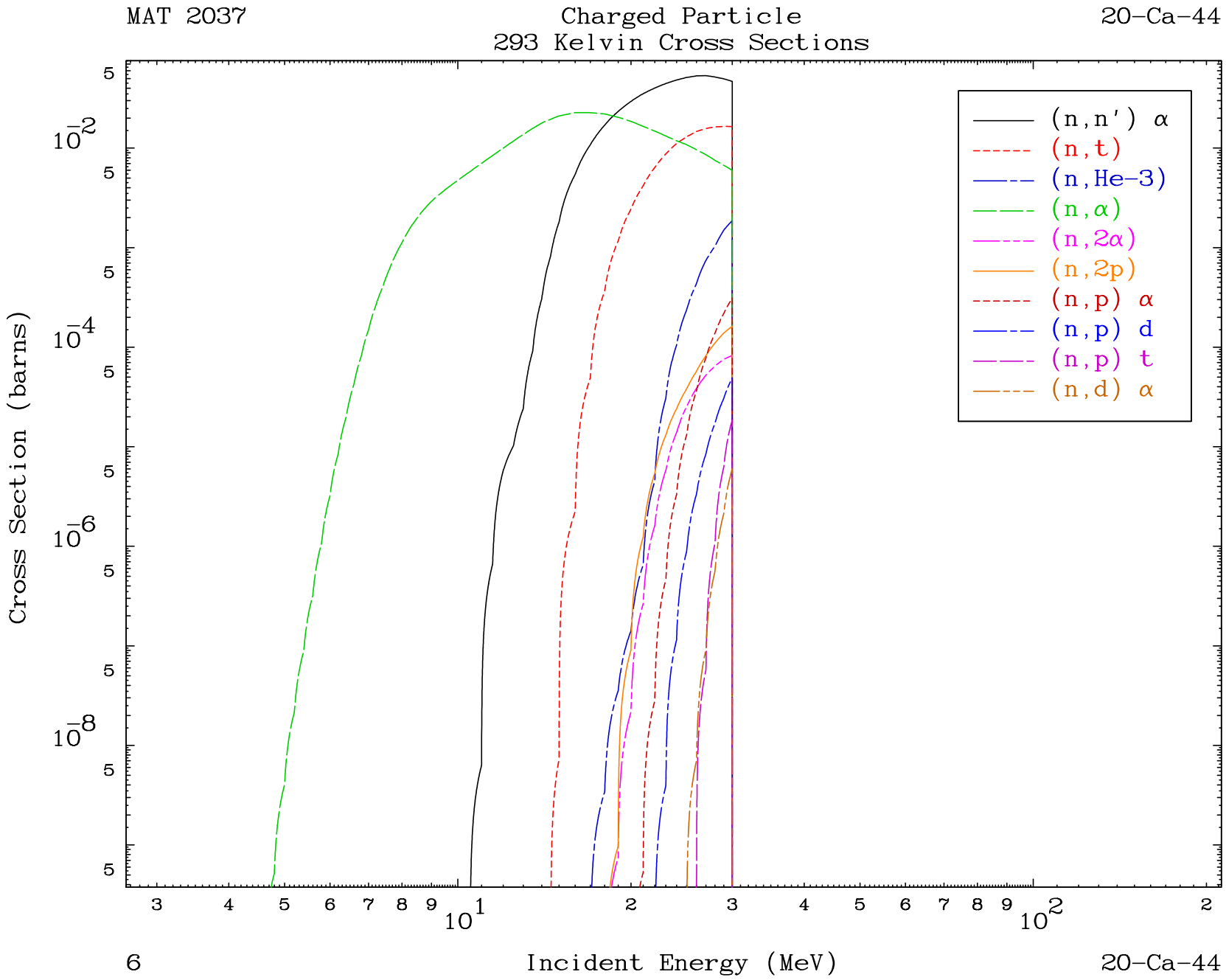

MAT 2037
Neutron Major
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
20-Ca-44

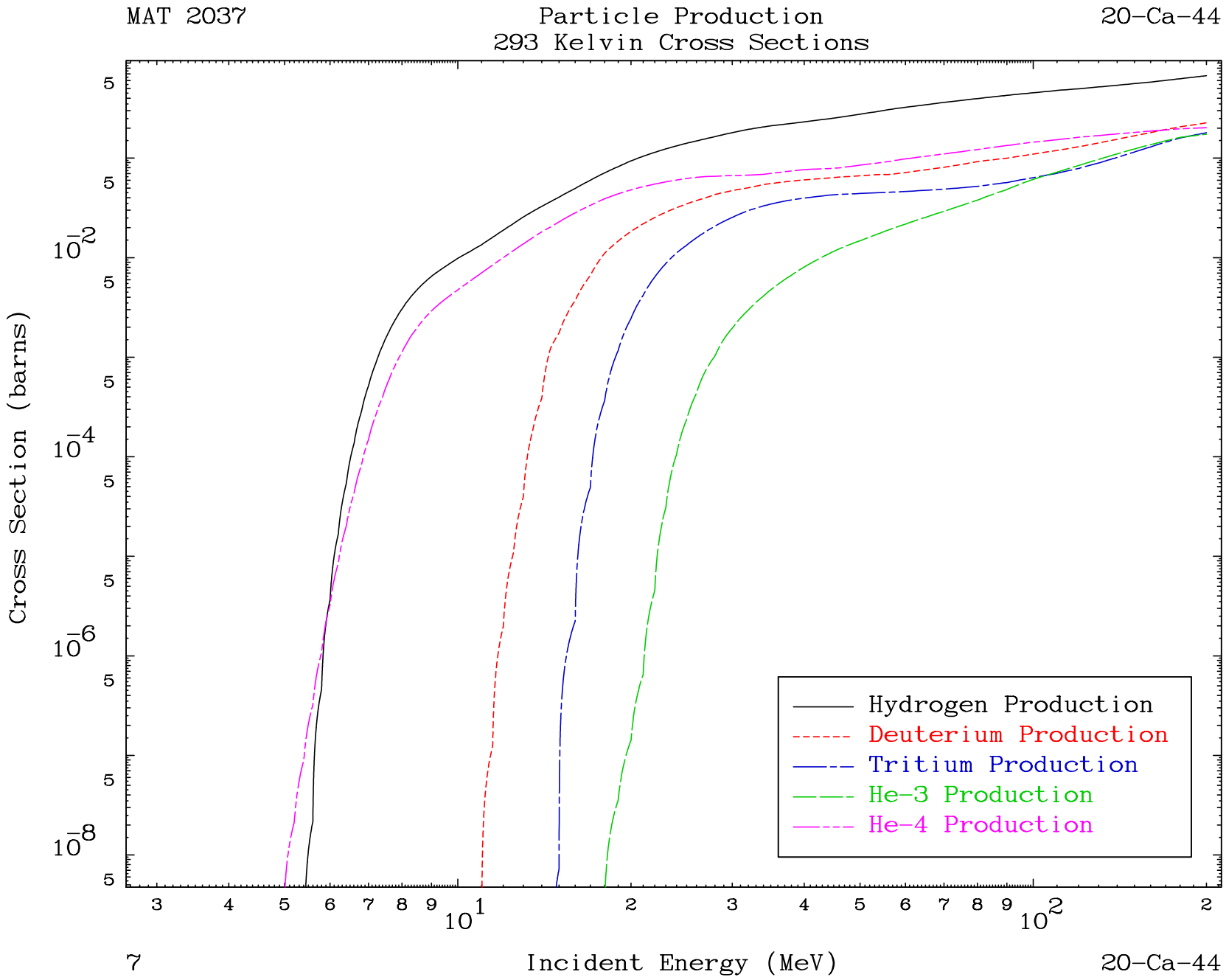

MAT 2037
Neutron Absorption
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
20-Ca-44
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

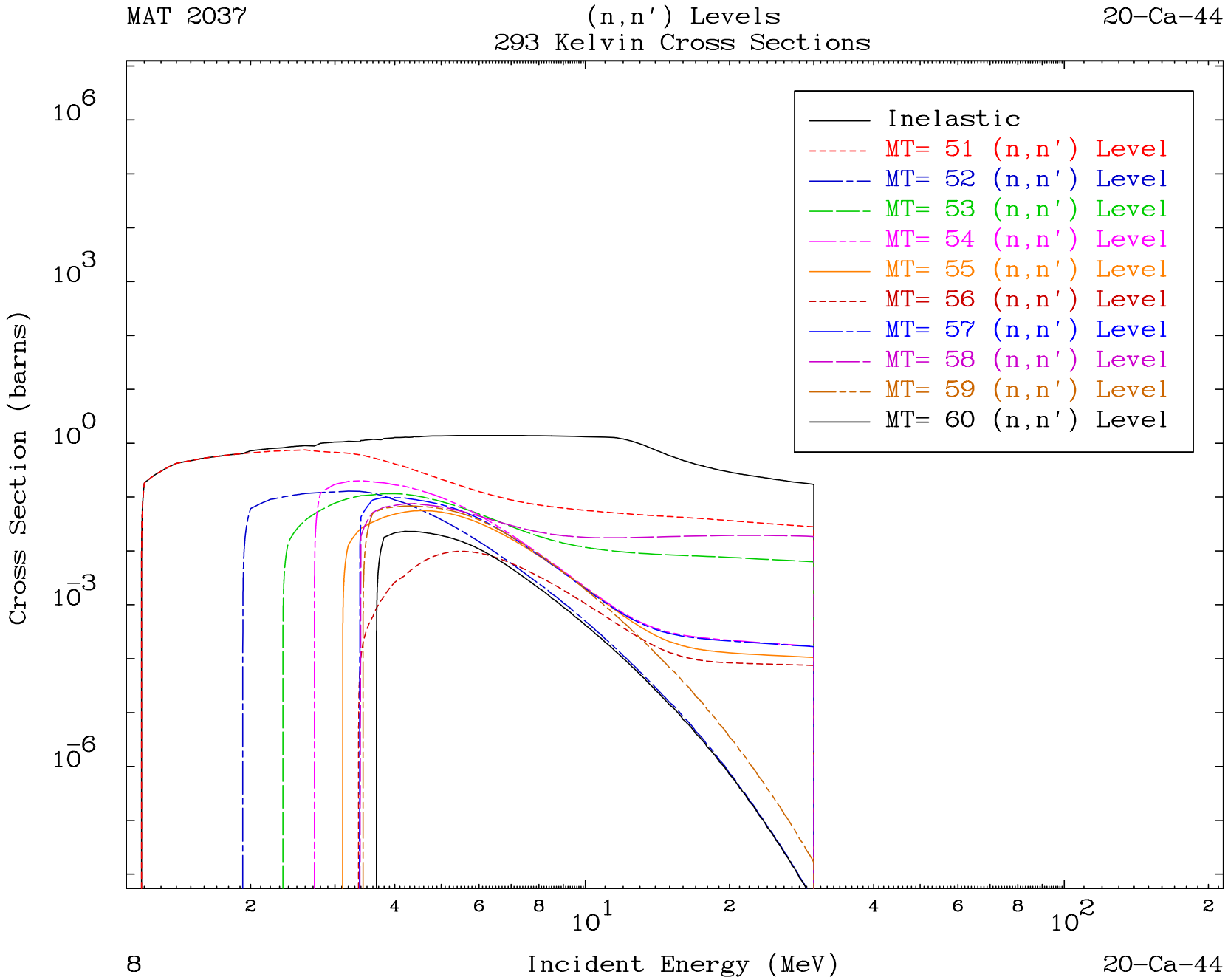

MAT 2037
Neutron Absorption
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
3
20-Ca-44

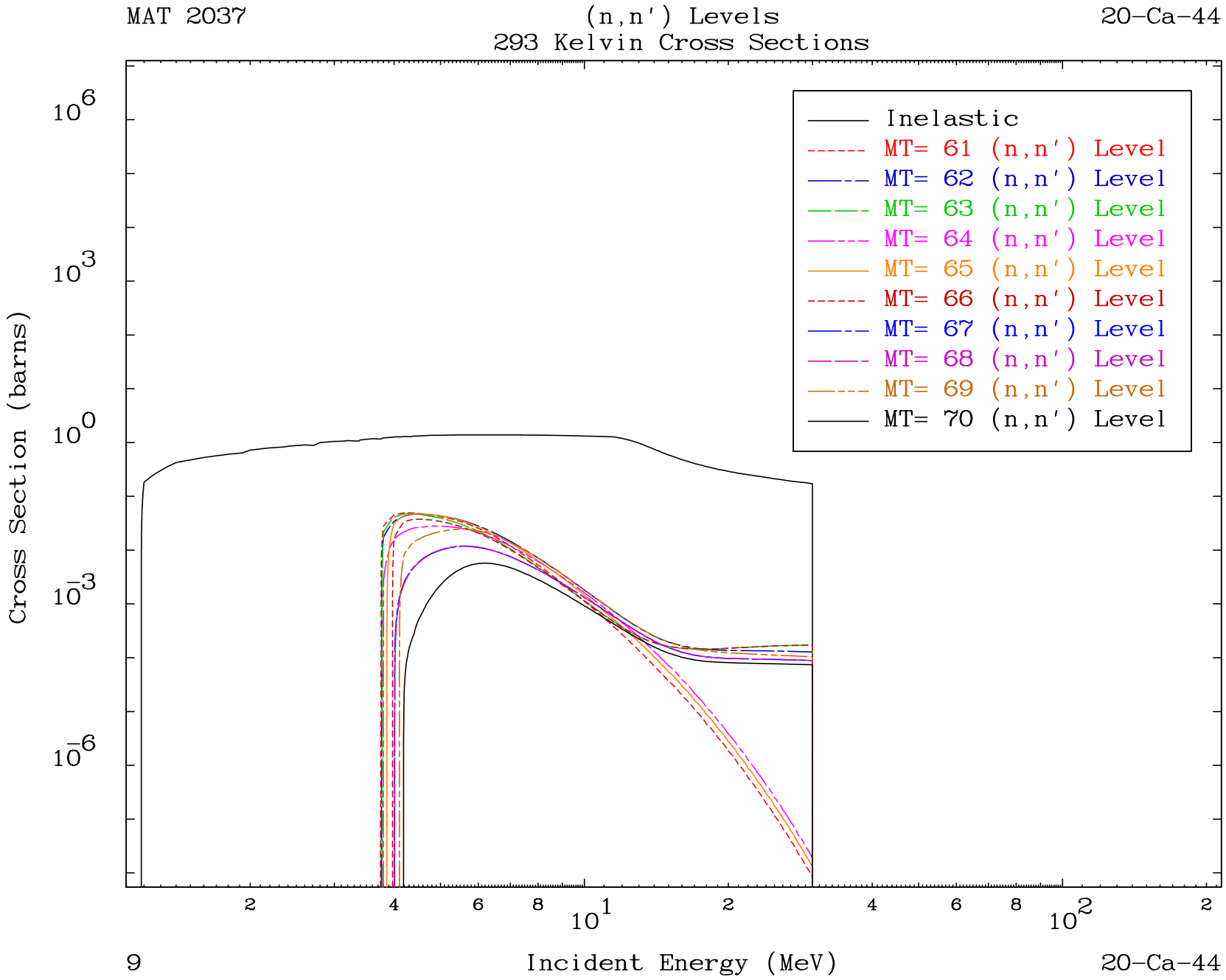

MAT 2037
Neutron Absorption
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

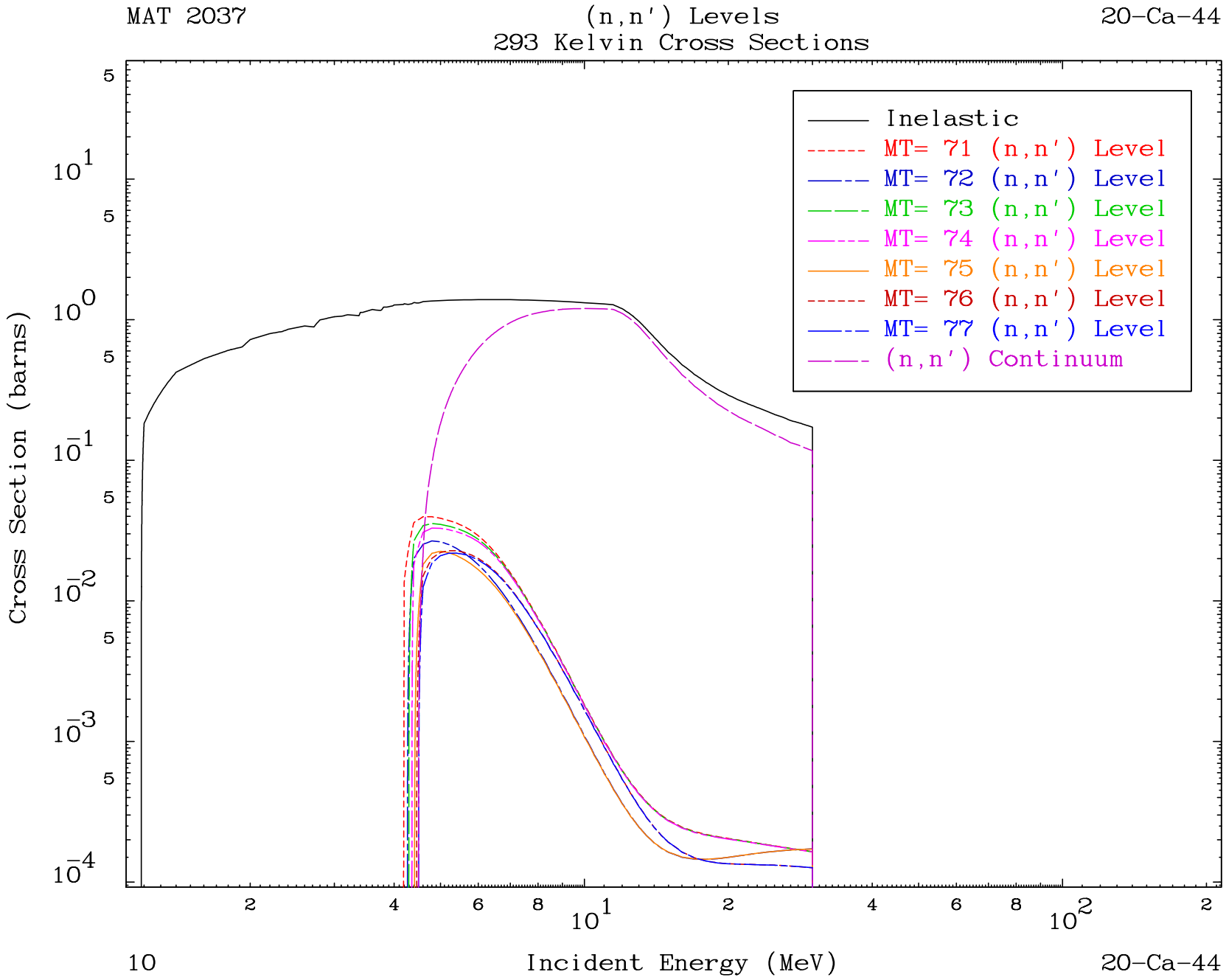

MAT 2037
Charged Particle
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
20-Ca-44
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

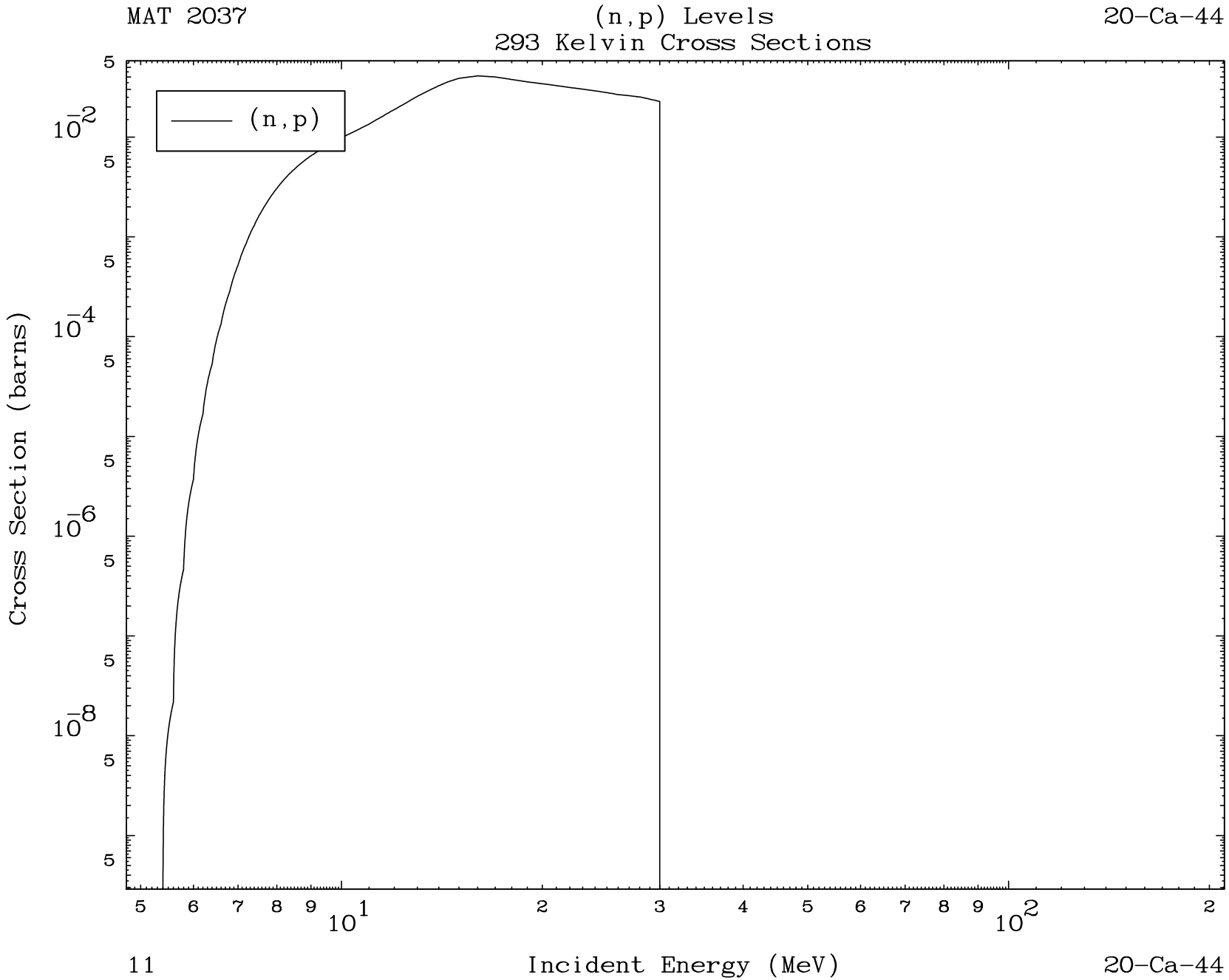

MAT 2037
Charged Particle
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
6
20-Ca-44
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α

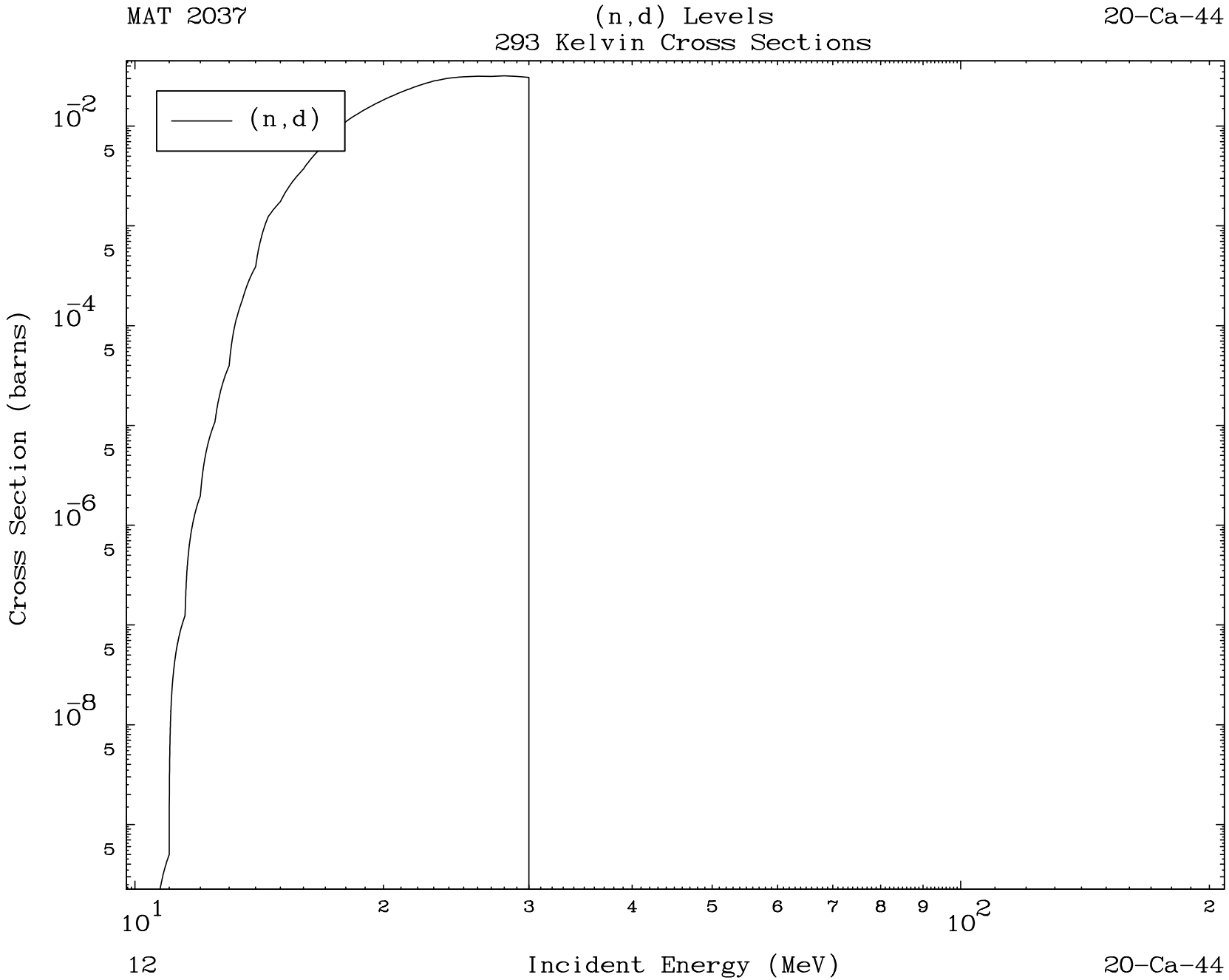

MAT 2037
Particle Production
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

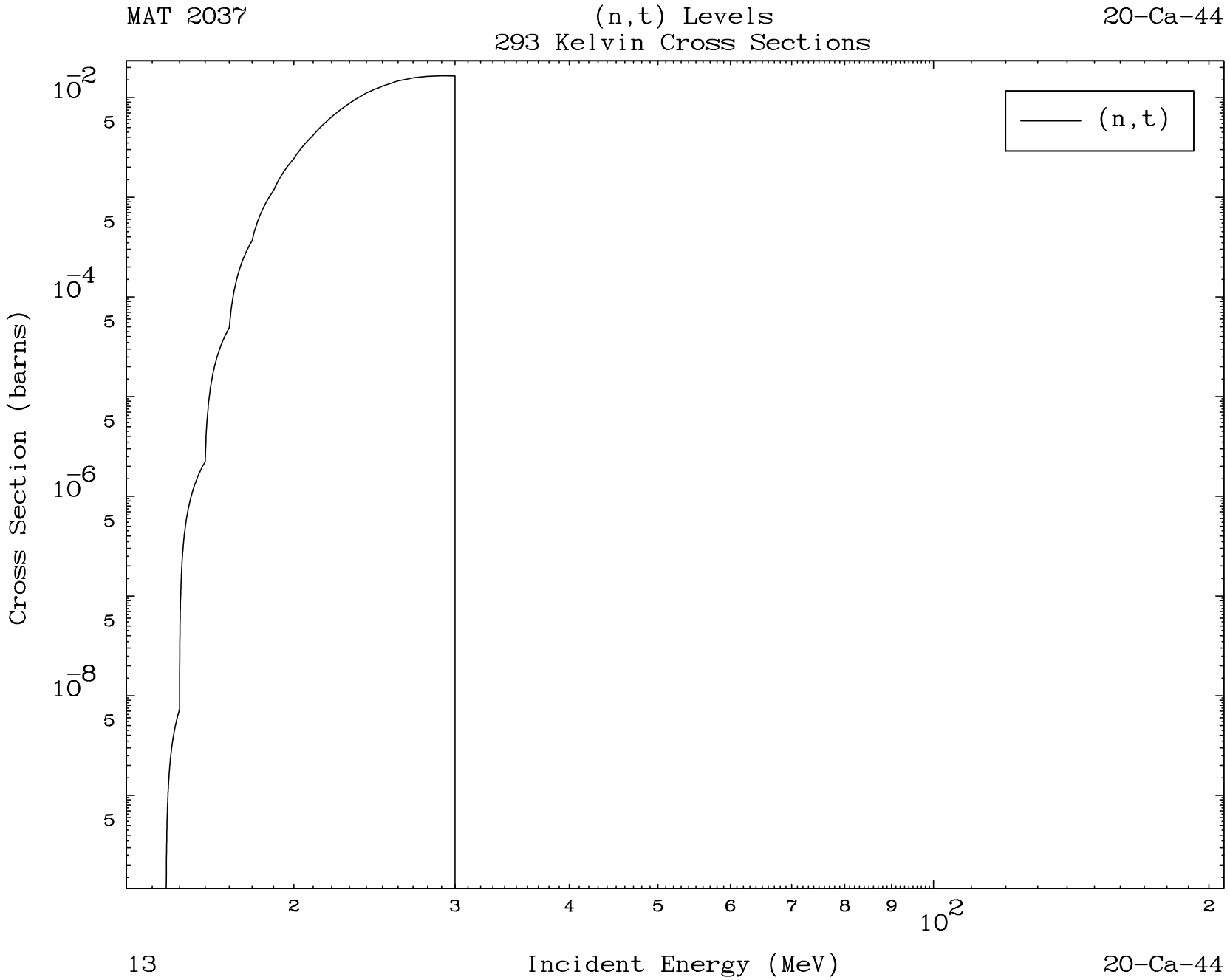

MAT 2037
(n,n') Levels
293 Kelvin Cross Sections
20-Ca-44
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
20-Ca-44

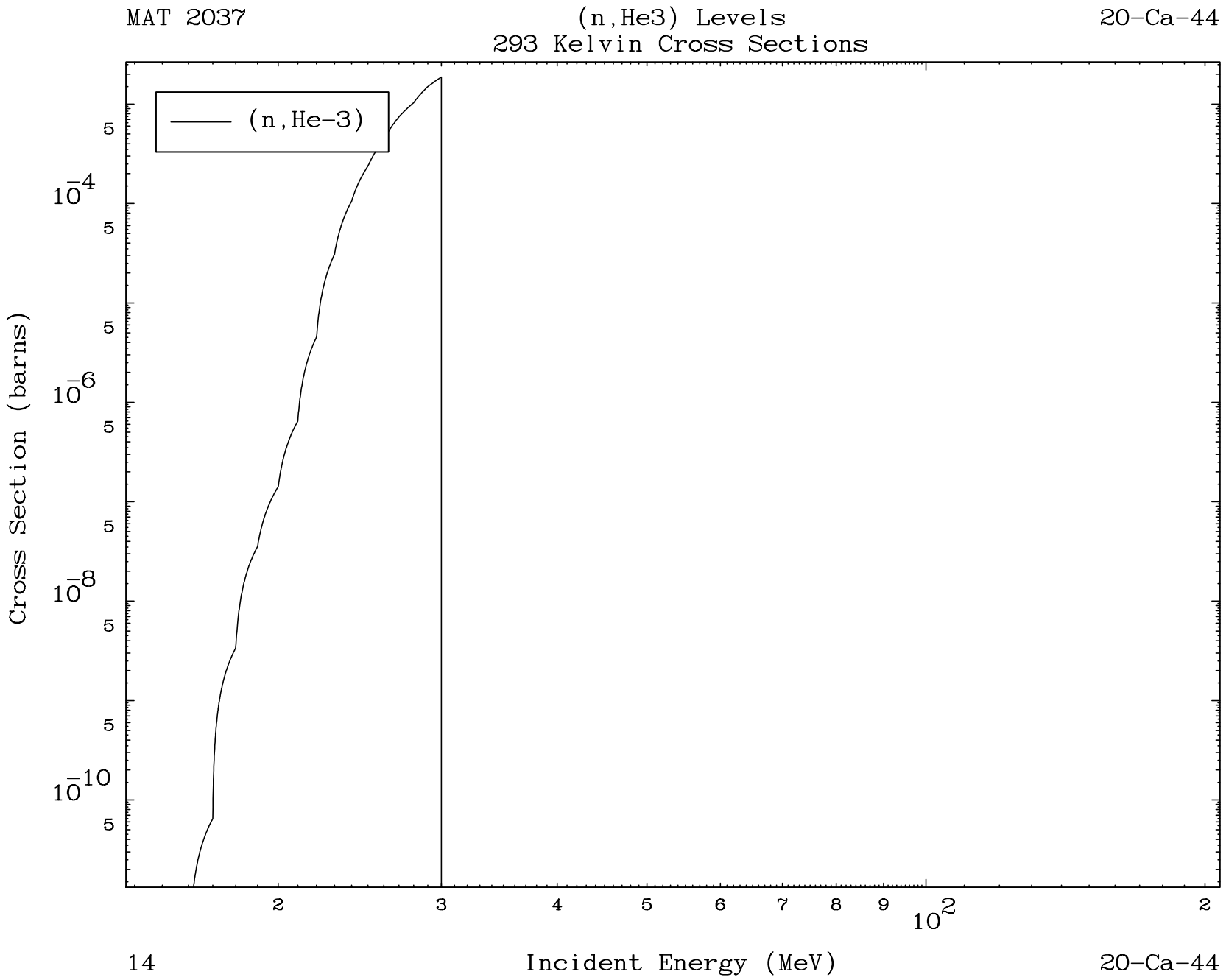

MAT 2037
(n,n') Levels
293 Kelvin Cross Sections
20-Ca-44
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
2
4
6
8
10^1
2
4
6
8
10^2
2
9
Incident Energy (MeV)
20-Ca-44

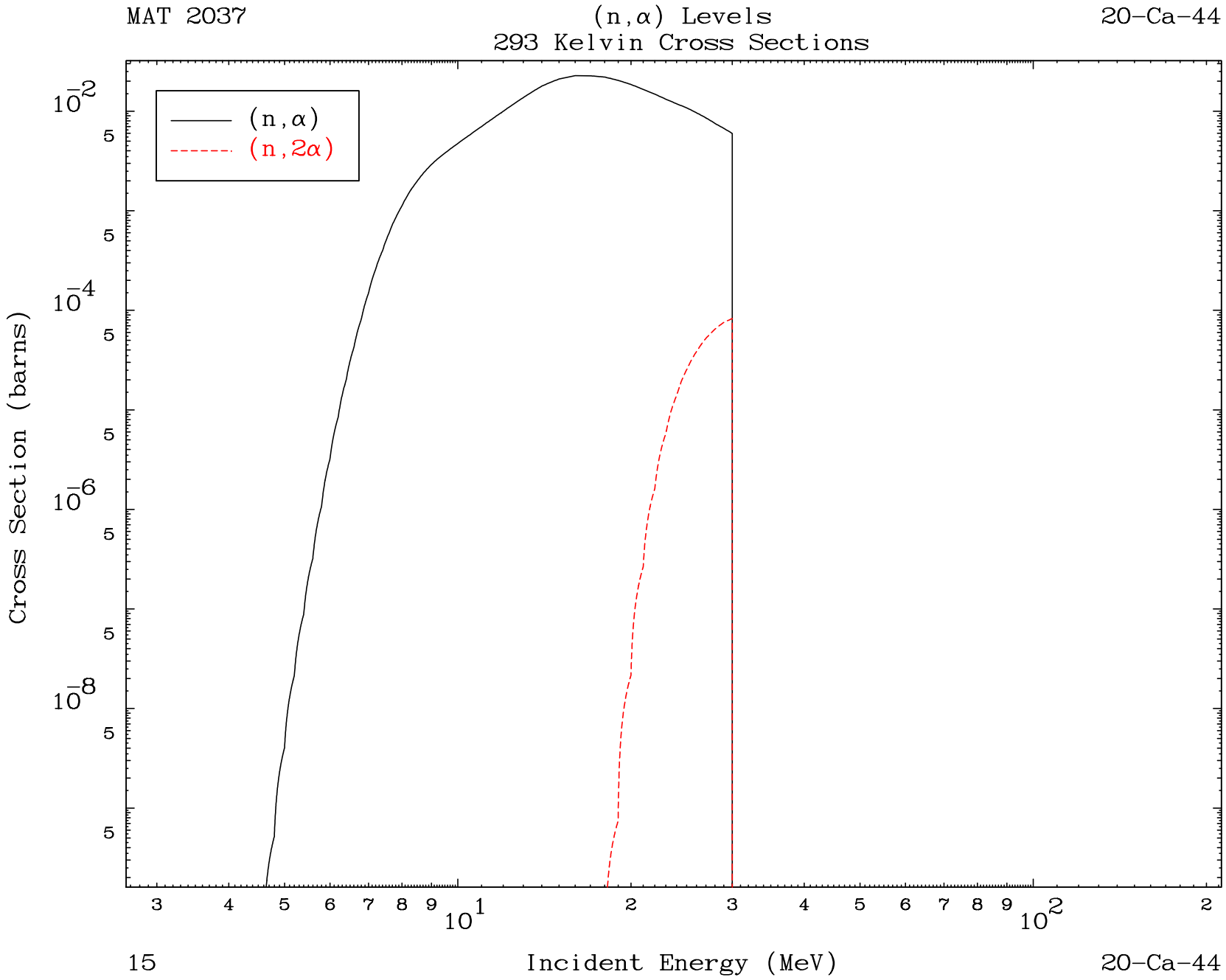

MAT 2037
(n,n') Levels
293 Kelvin Cross Sections
20-Ca-44
Inelastic
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
10
20-Ca-44

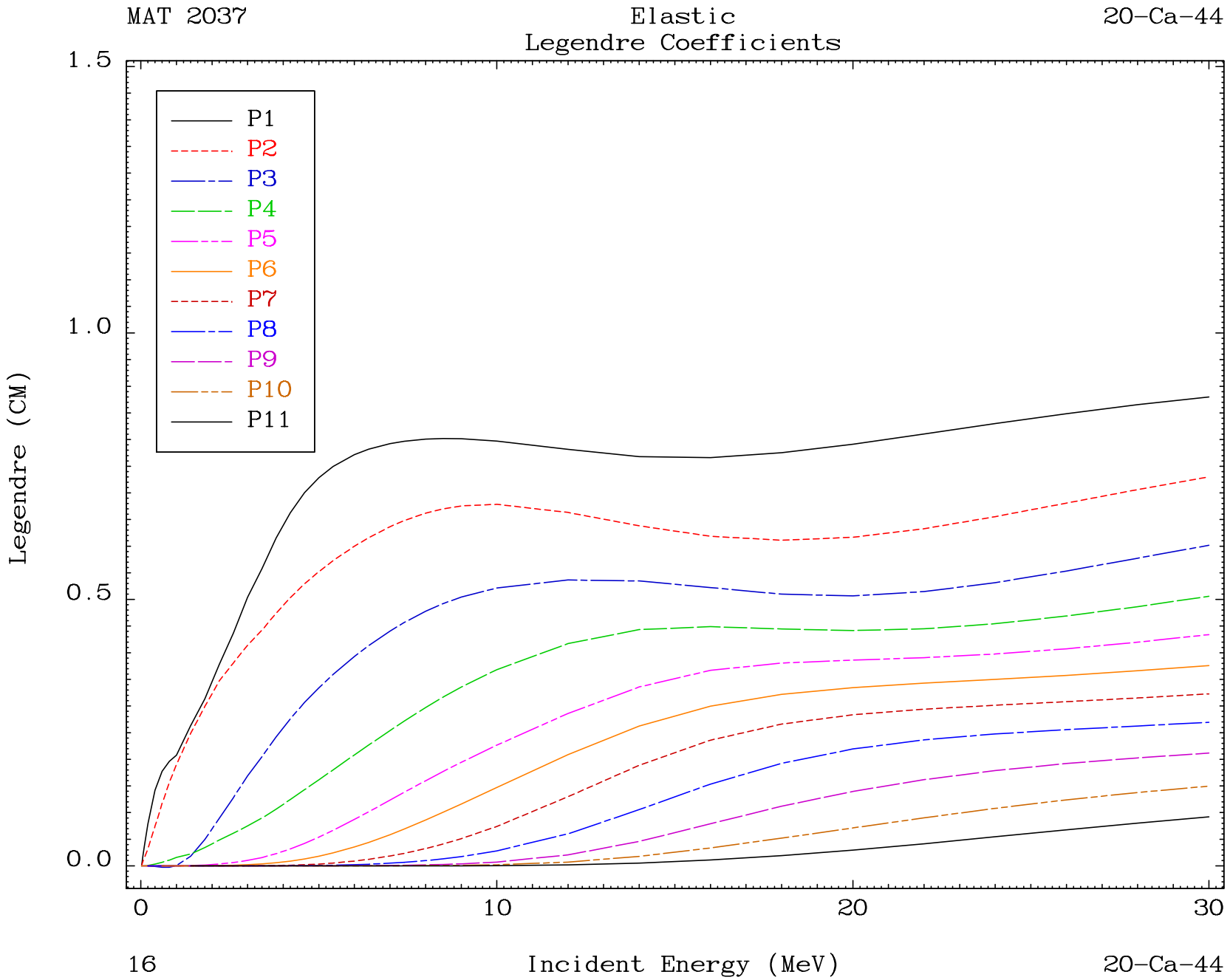

MAT 2037
(n,p) Levels
20-Ca-44
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
11
20-Ca-44

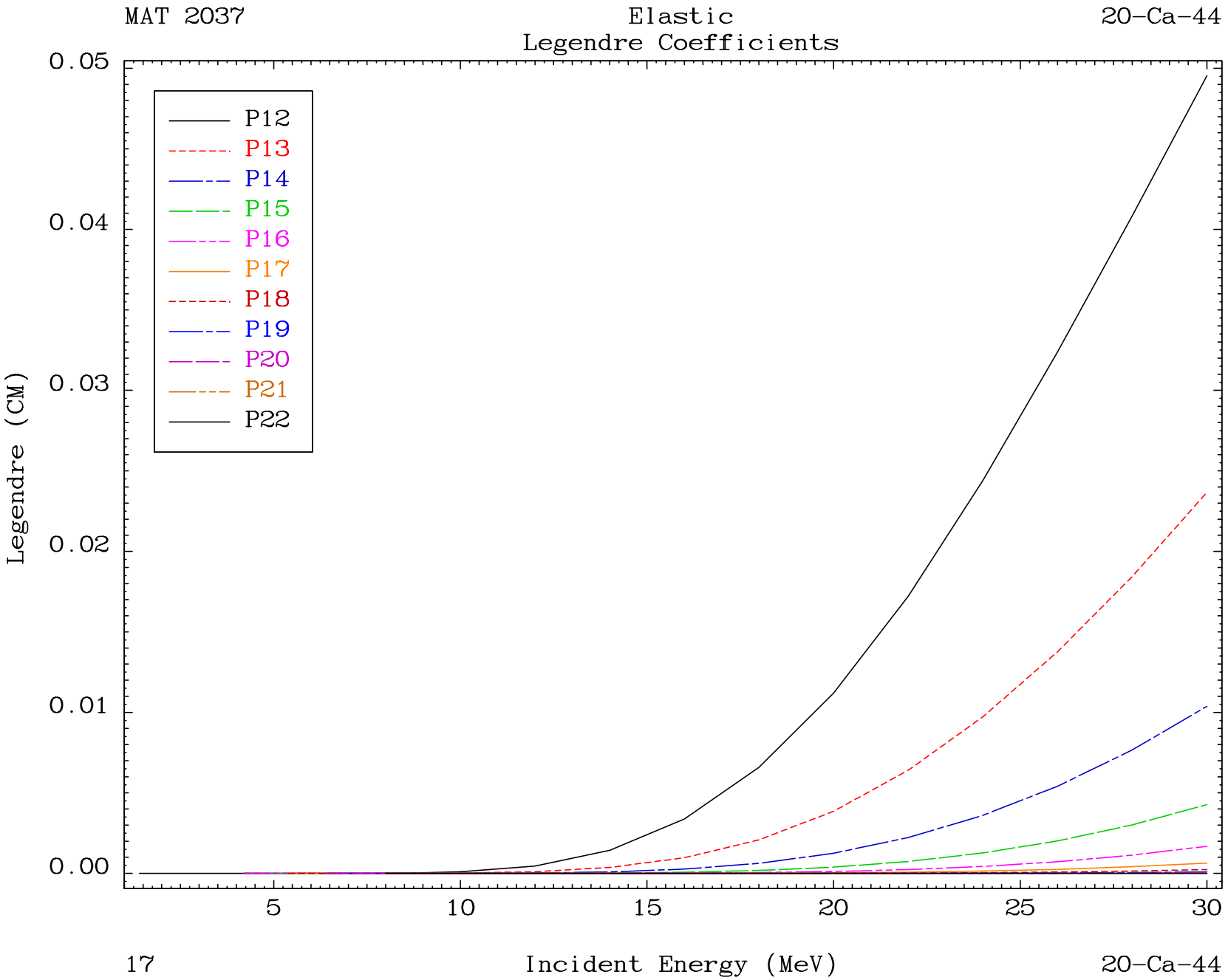

MAT 2037
(n,d) Levels
20-Ca-44
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
12
20-Ca-44

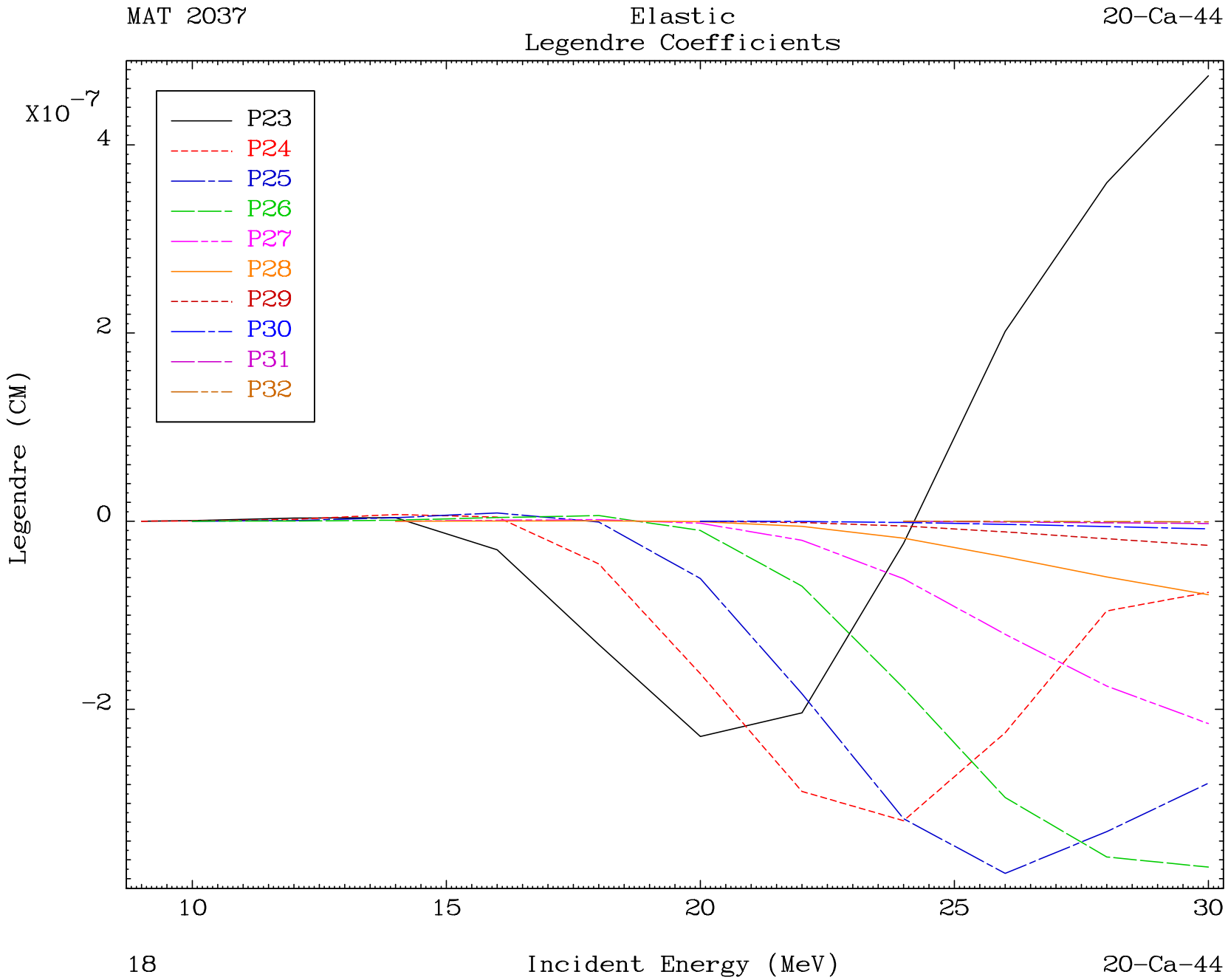

MAT 2037
(n,t) Levels
20-Ca-44
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
20-Ca-44

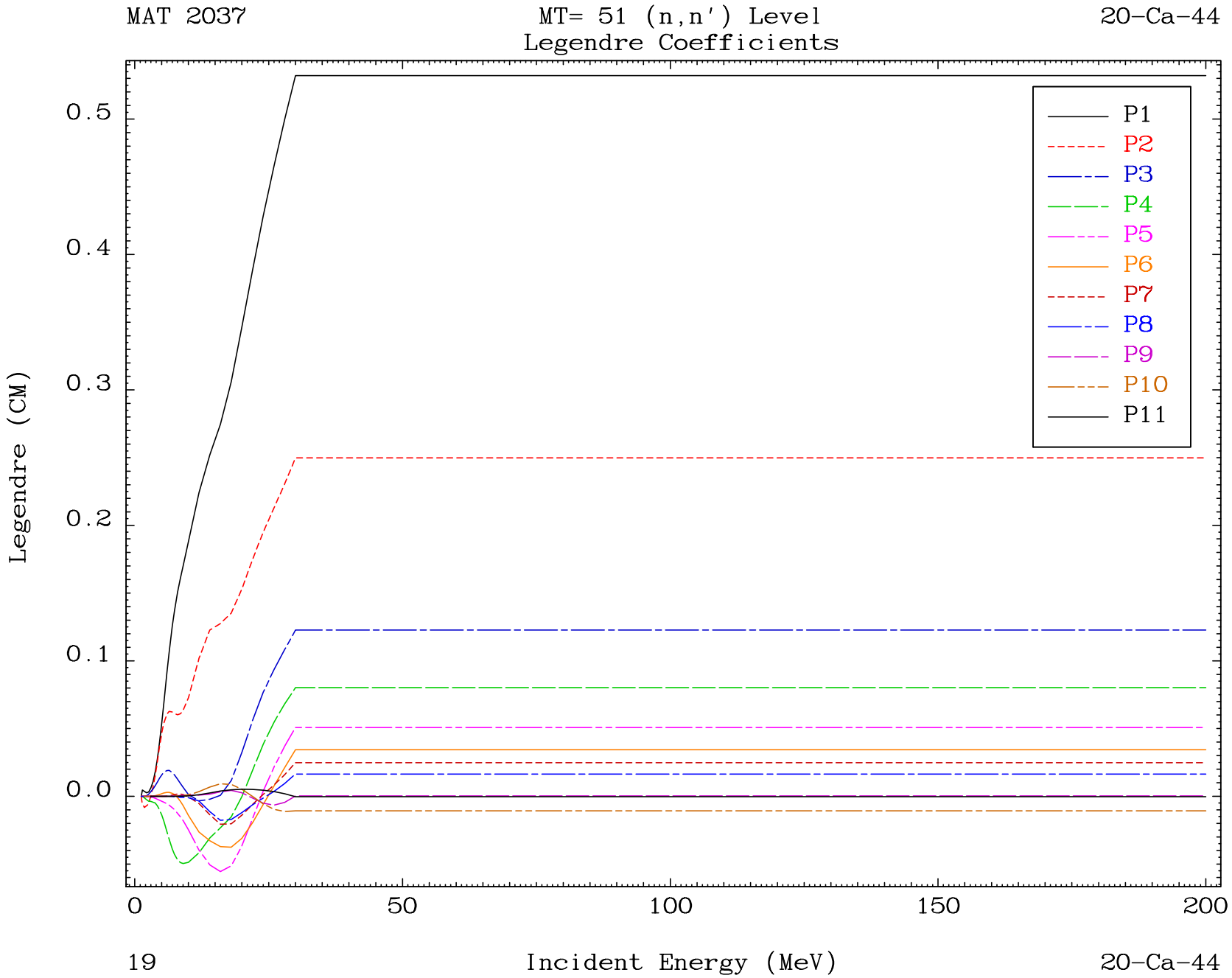

MAT 2037
(n,He3) Levels
20-Ca-44
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
20-Ca-44

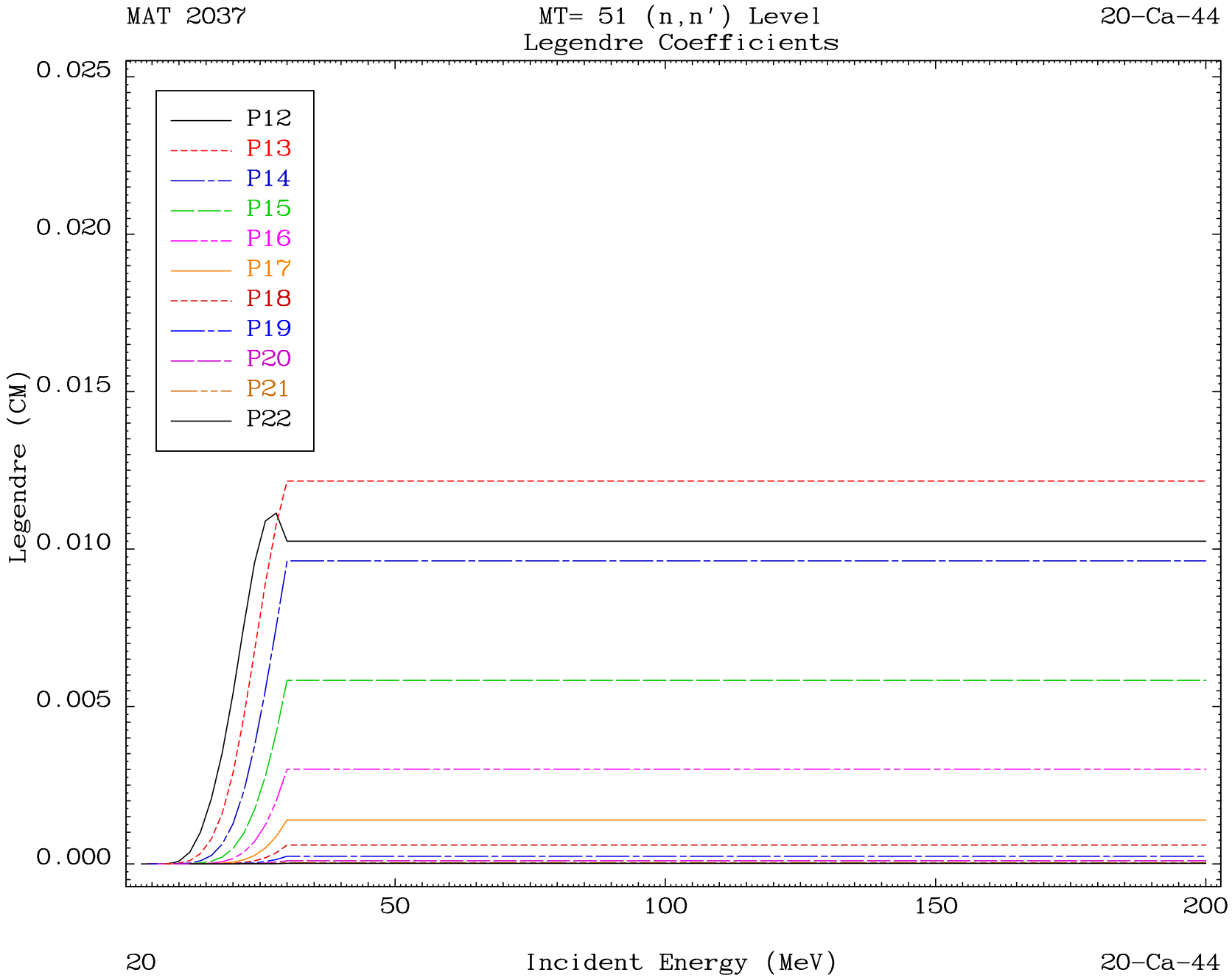

MAT 2037
(n,α) Levels
20-Ca-44
293 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
15
20-Ca-44

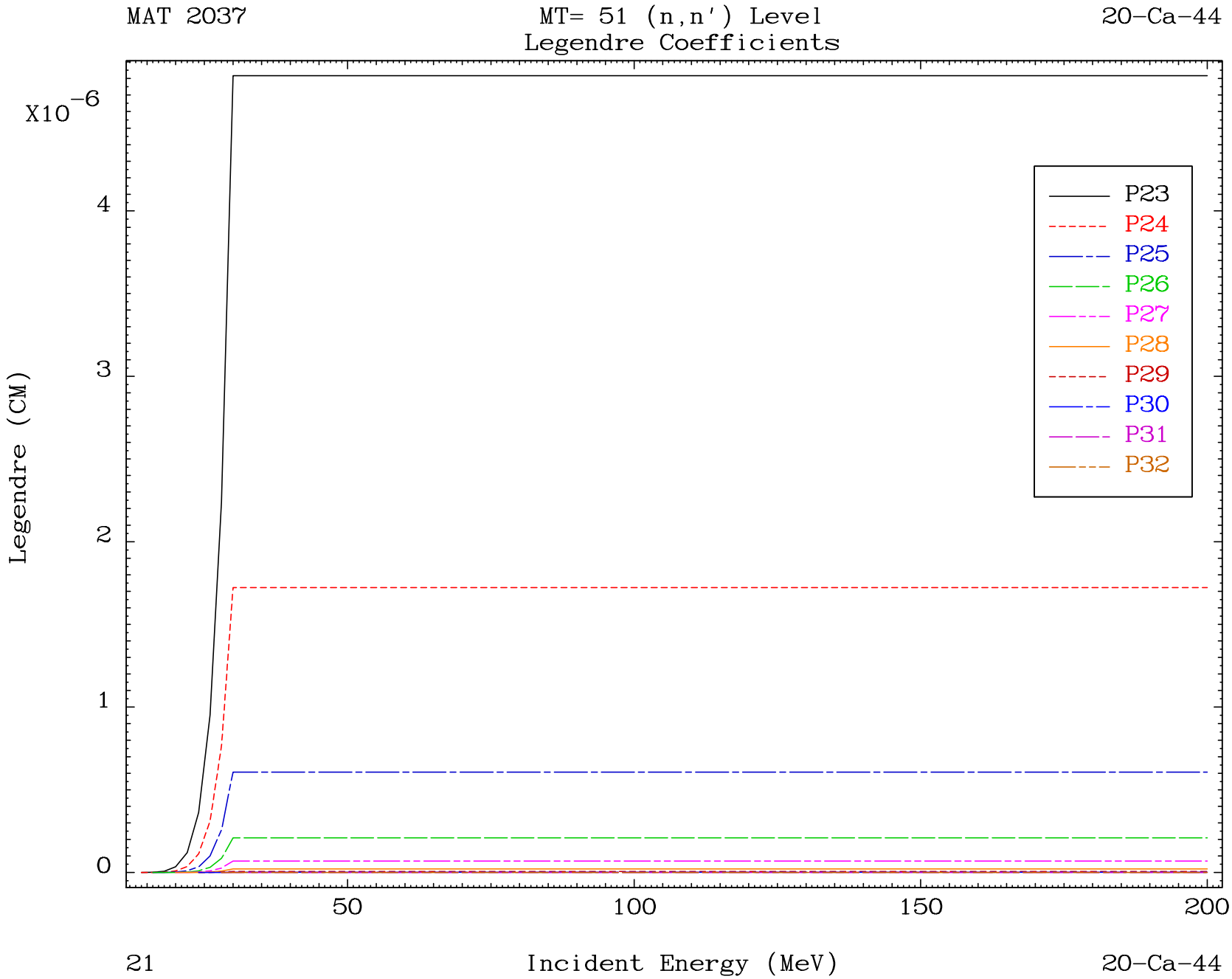

MAT 2037
Elastic
Legendre Coefficients
20-Ca-44
1.5
1.0
0.5
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
10
20
30
16
Incident Energy (MeV)
20-Ca-44

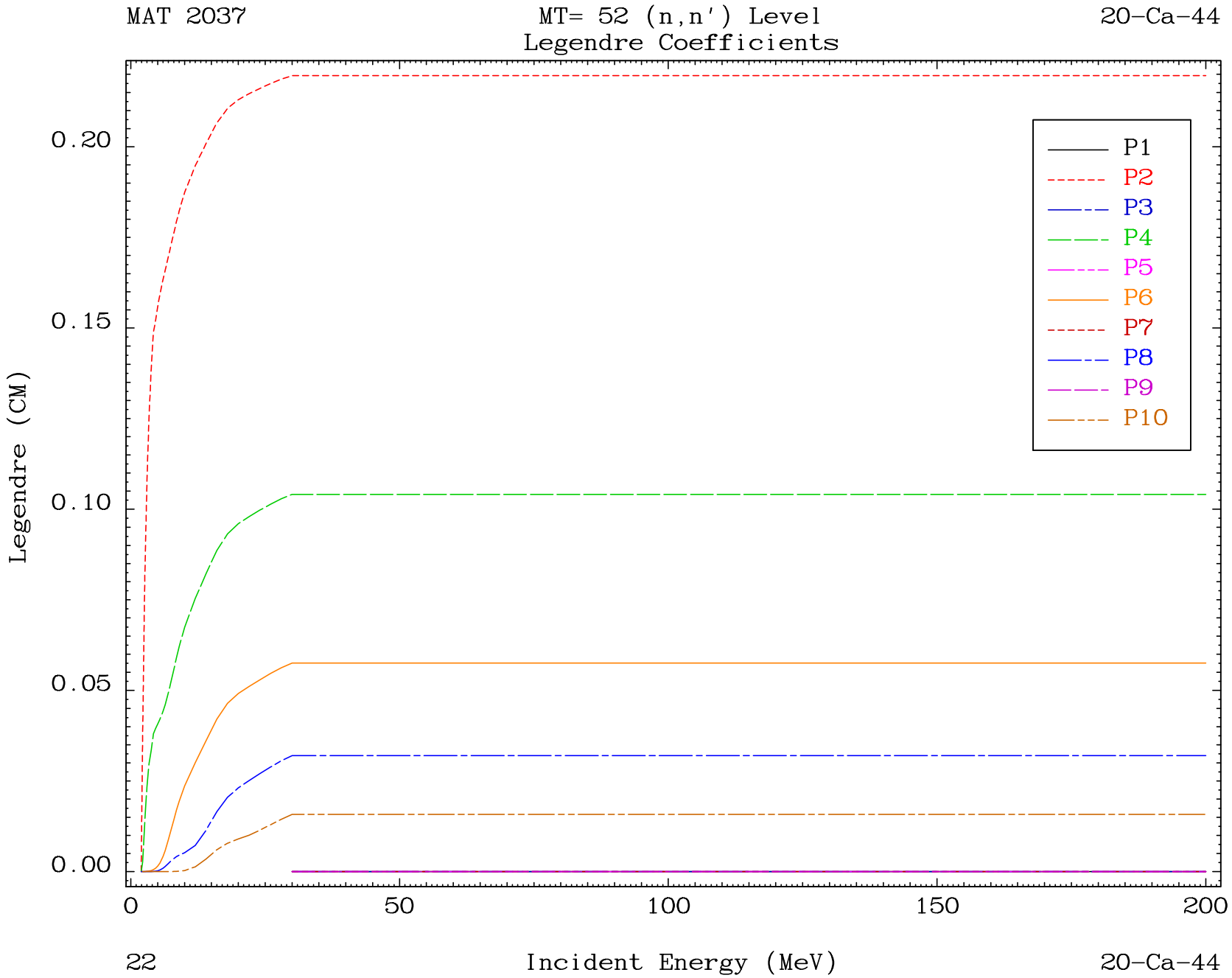

MAT 2037
Elastic
Legendre Coefficients
20-Ca-44
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
5
10
15
20
25
30
17
Incident Energy (MeV)
20-Ca-44

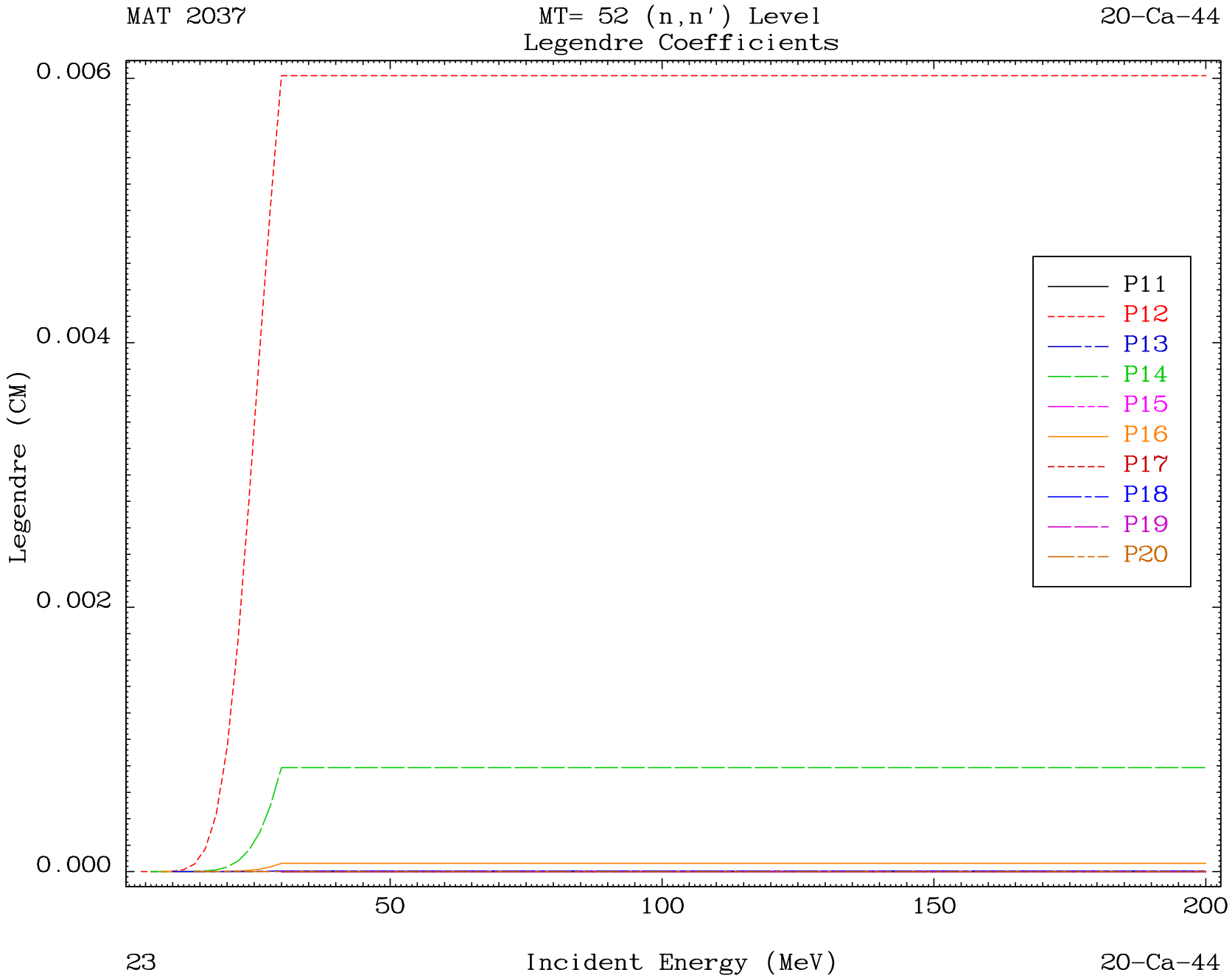

MAT 2037
Elastic
Legendre Coefficients
20-Ca-44
X10-7
4
2
0
-2
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
10
15
20
25
30
18
Incident Energy (MeV)
20-Ca-44

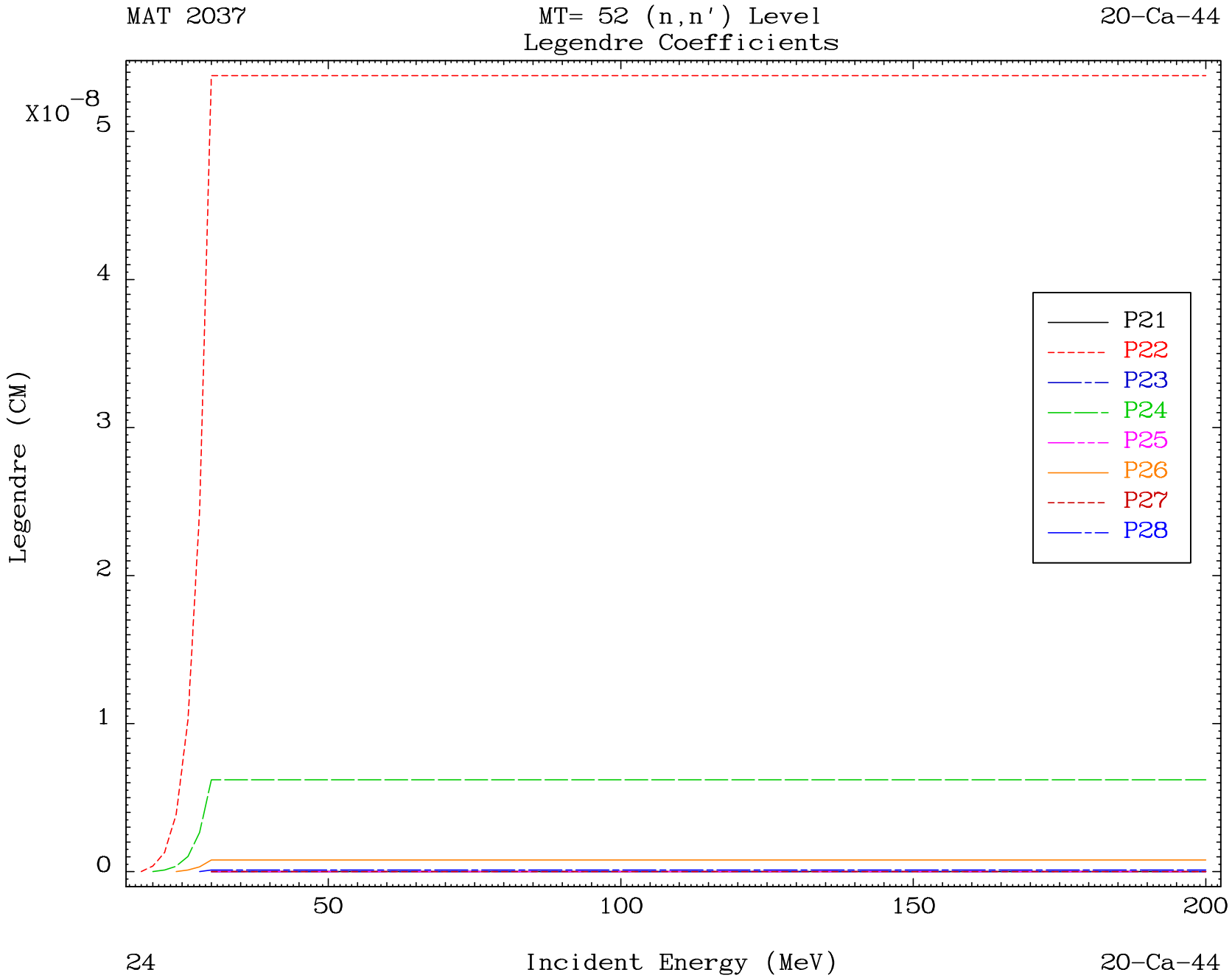

MAT 2037
MT= 51 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
19
Incident Energy (MeV)
20-Ca-44

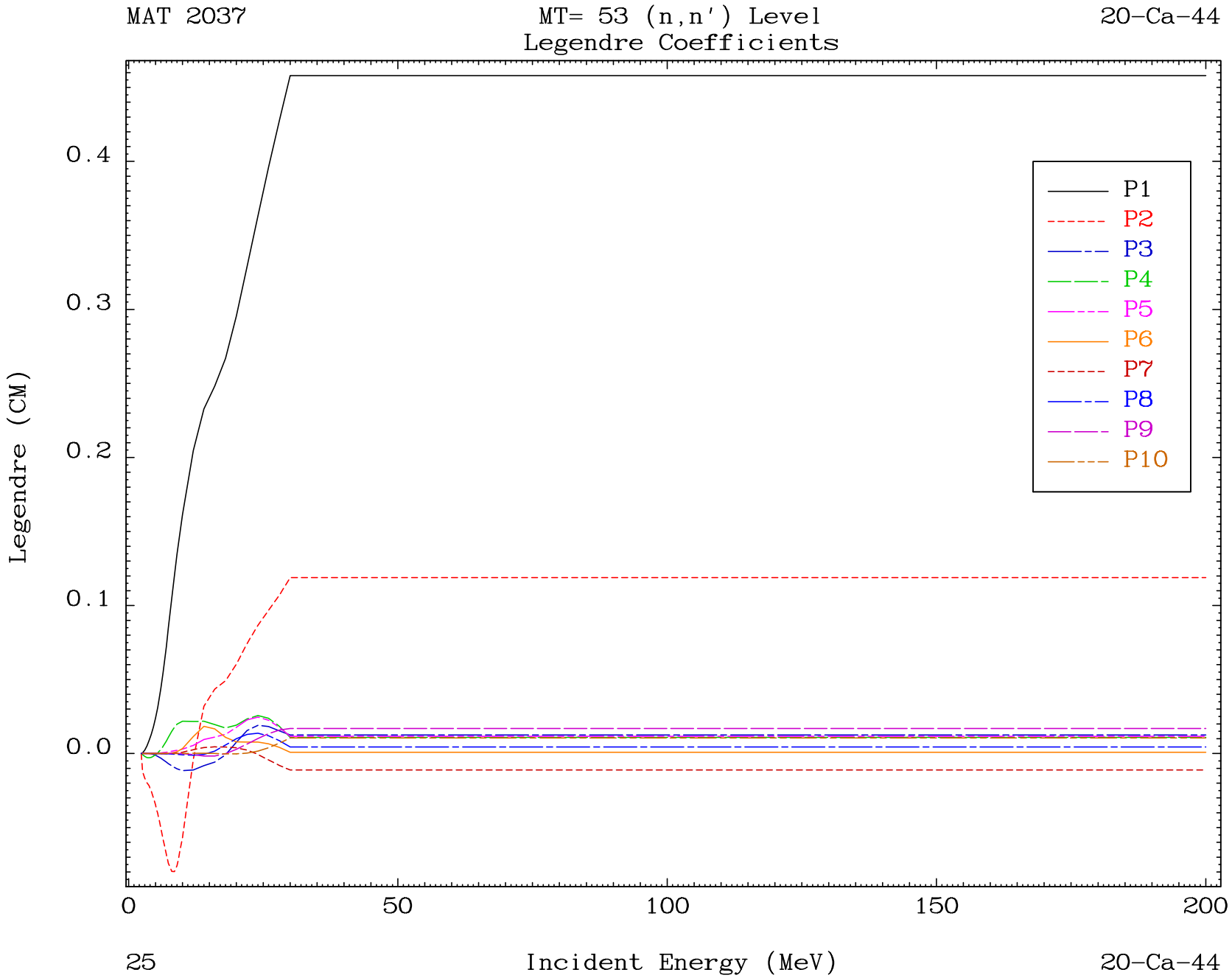

MAT 2037
MT= 51 (n,n') Level
Legendre Coefficients
20-Ca-44
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
20
Incident Energy (MeV)
20-Ca-44

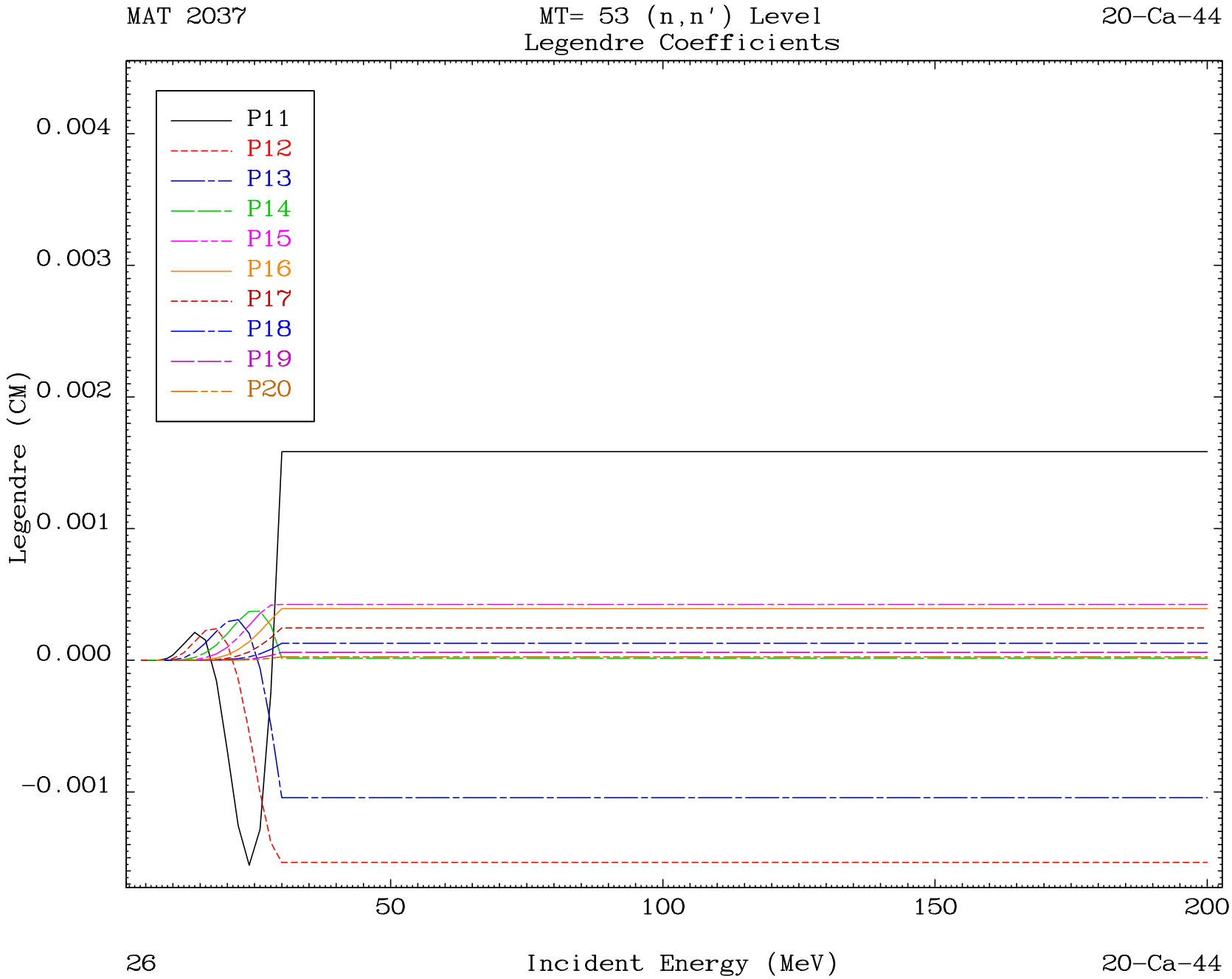

MAT 2037
MT= 51 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-6
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
21
Incident Energy (MeV)
20-Ca-44

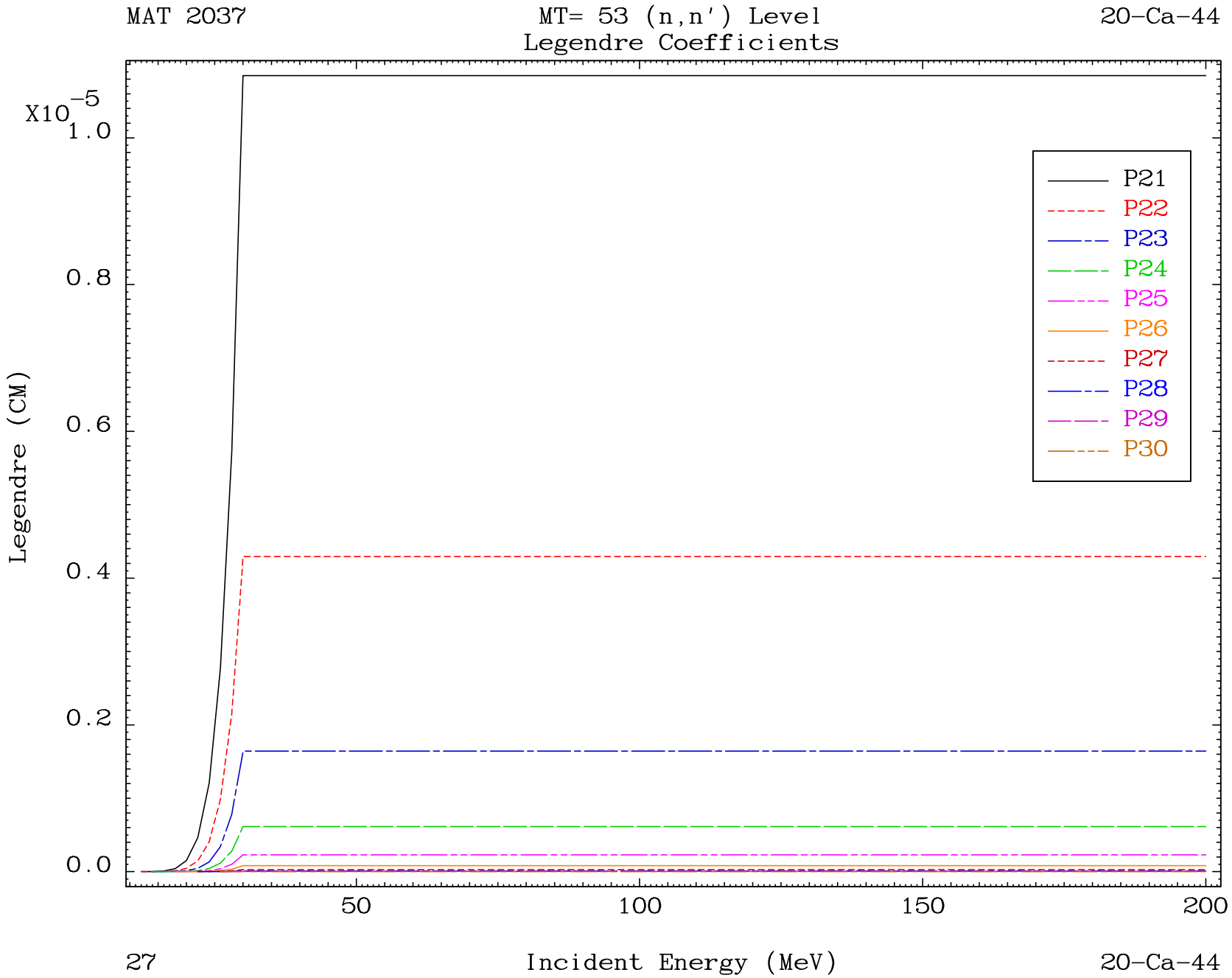

MAT 2037
MT= 52 (n,n') Level
Legendre Coefficients
20-Ca-44
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
22
Incident Energy (MeV)
20-Ca-44

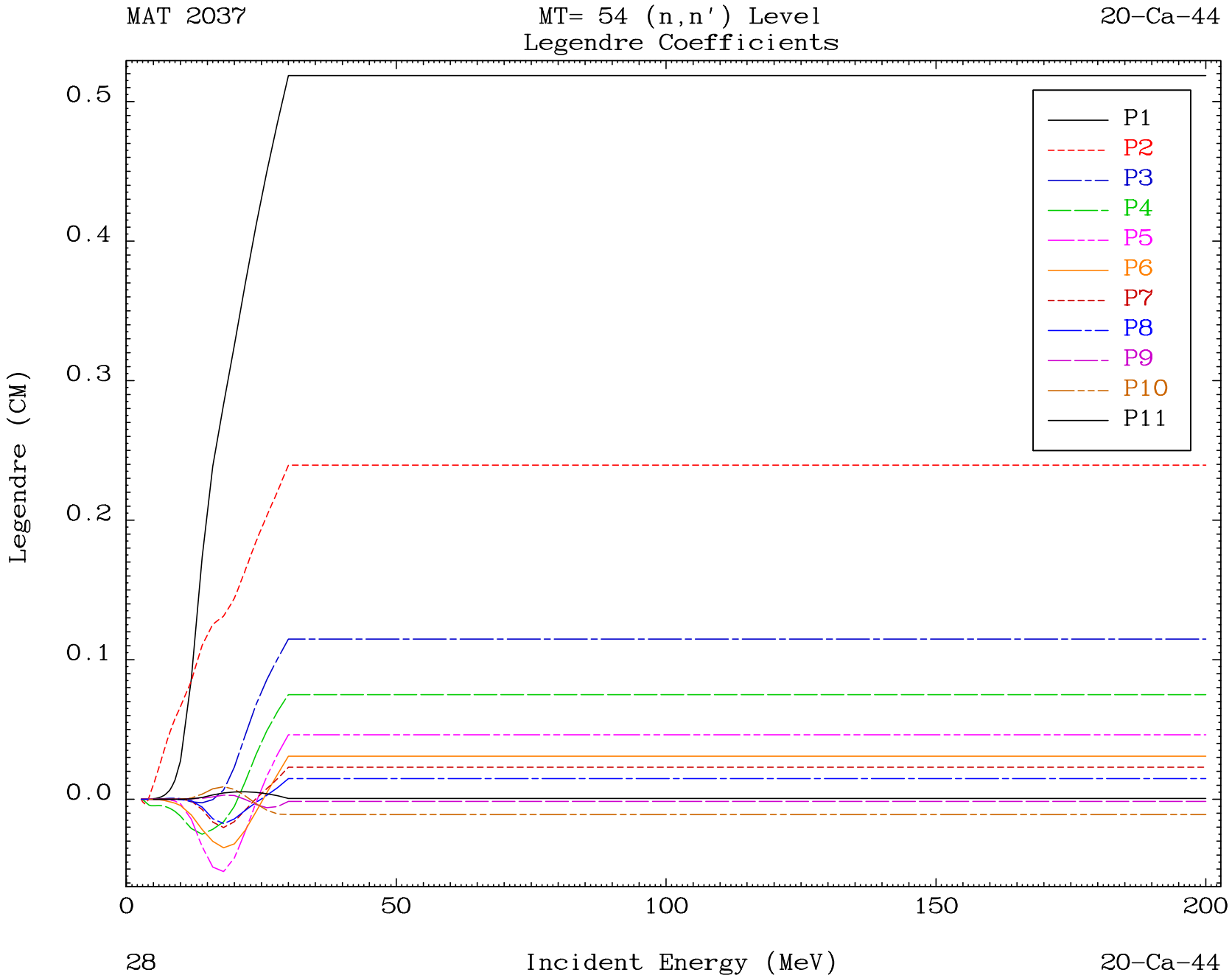

MAT 2037
MT= 52 (n,n') Level
Legendre Coefficients
20-Ca-44
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

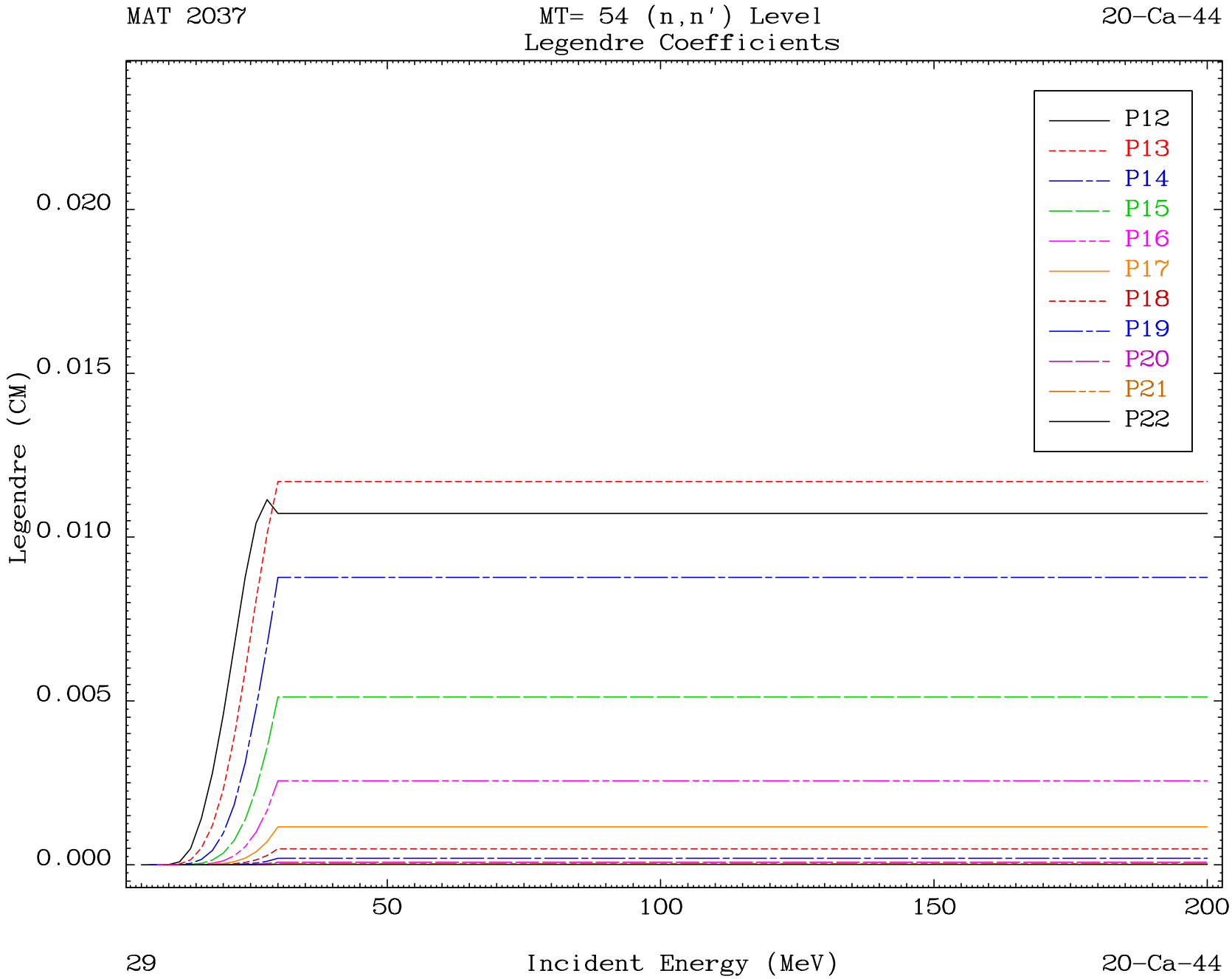

MAT 2037
MT= 52 (n,n') Level
Legendre Coefficients
20-Ca-44
X10 -8
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
24
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28

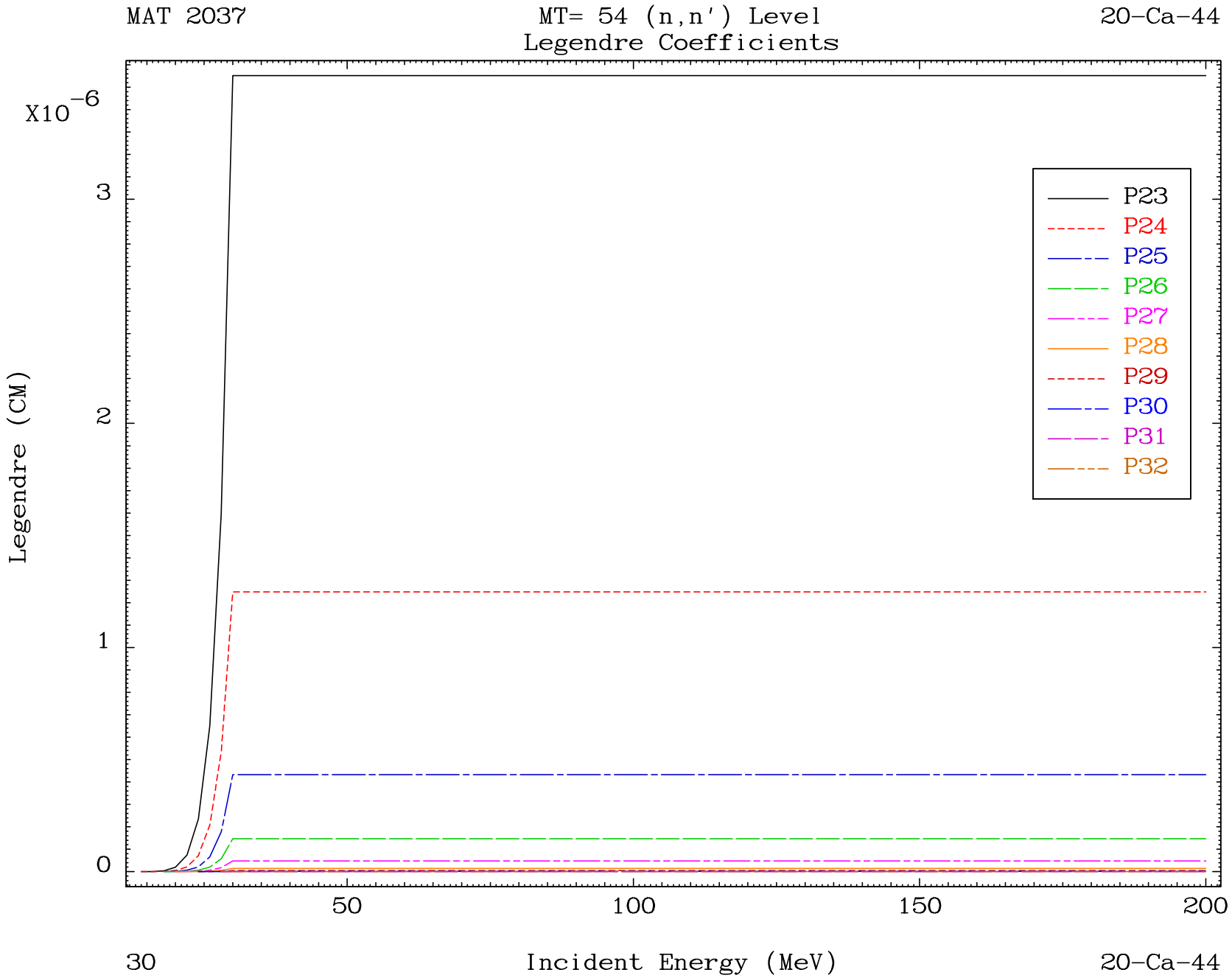

MAT 2037
MT= 53 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
25
Incident Energy (MeV)
20-Ca-44
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

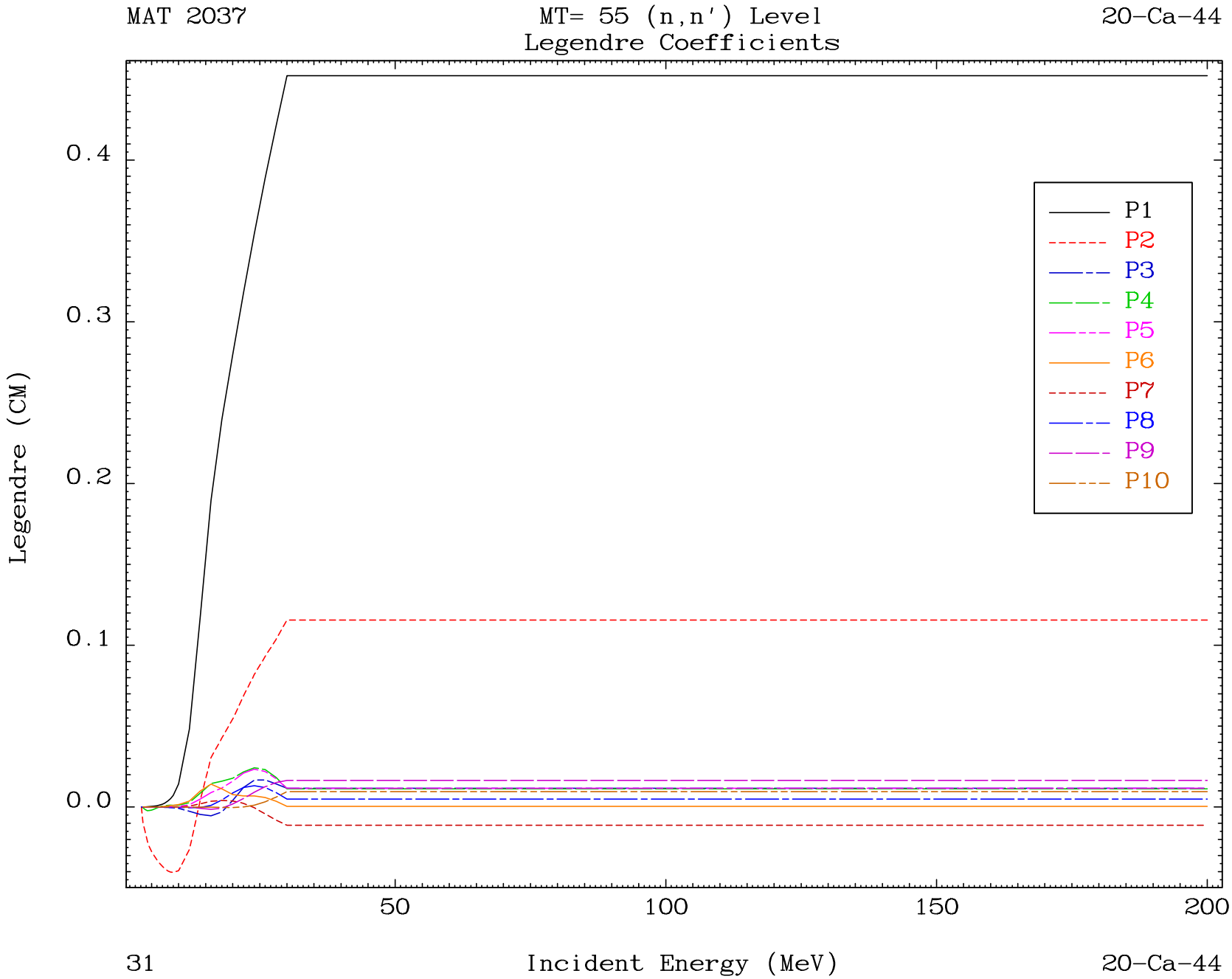

MAT 2037
MT= 53 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
20-Ca-44

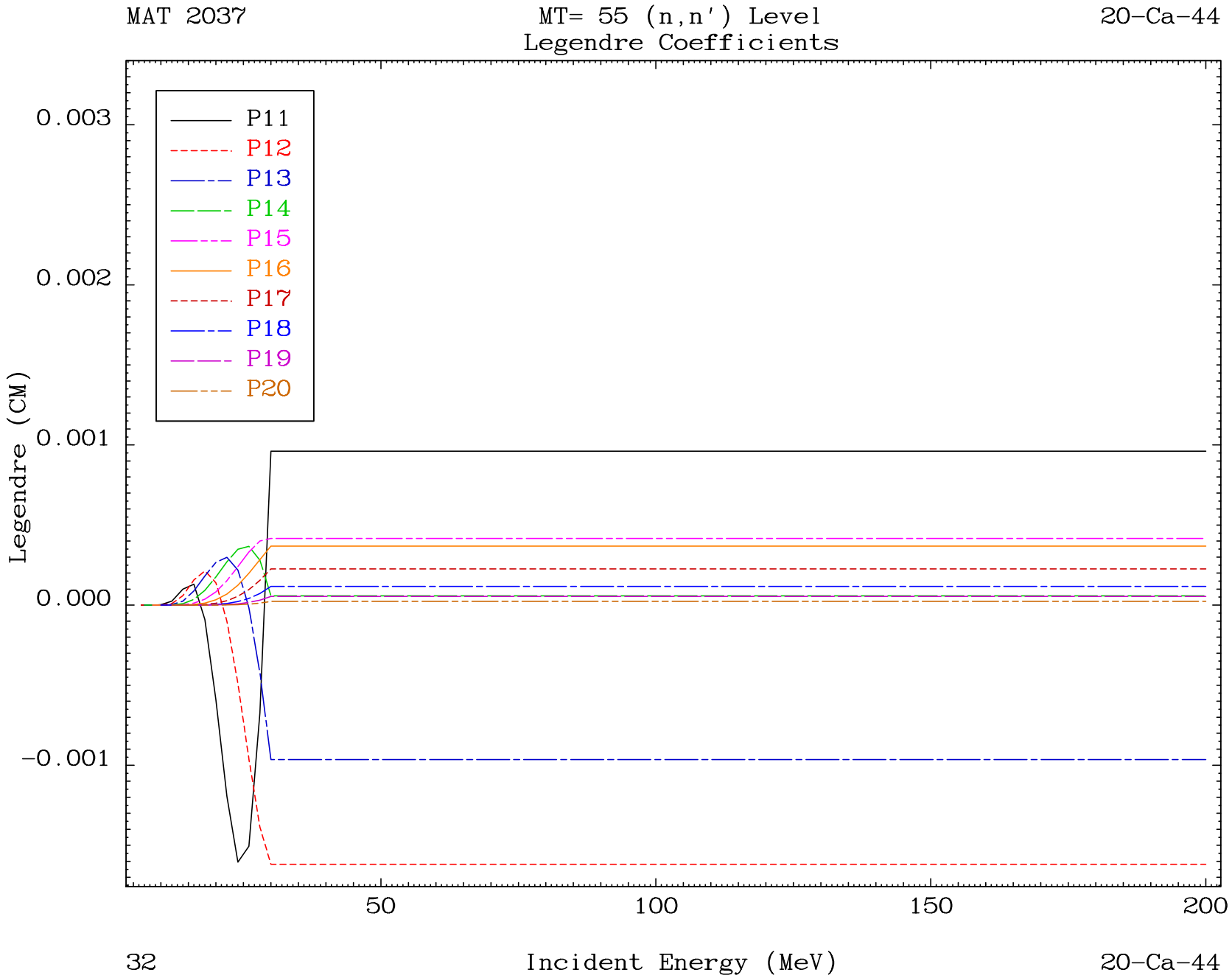

MAT 2037
MT= 53 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
27
Incident Energy (MeV)
20-Ca-44

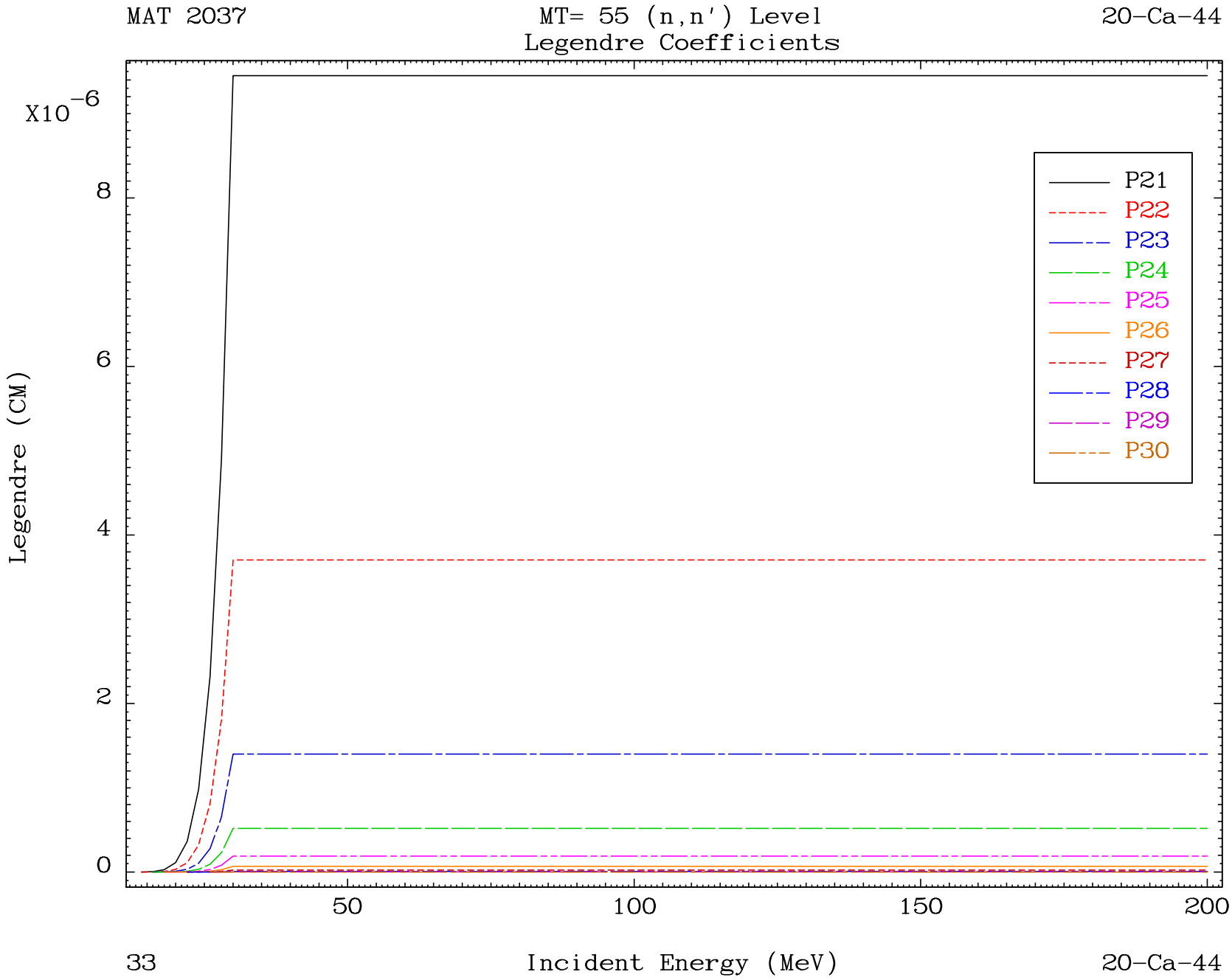

MAT 2037
MT= 54 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
28
Incident Energy (MeV)
20-Ca-44

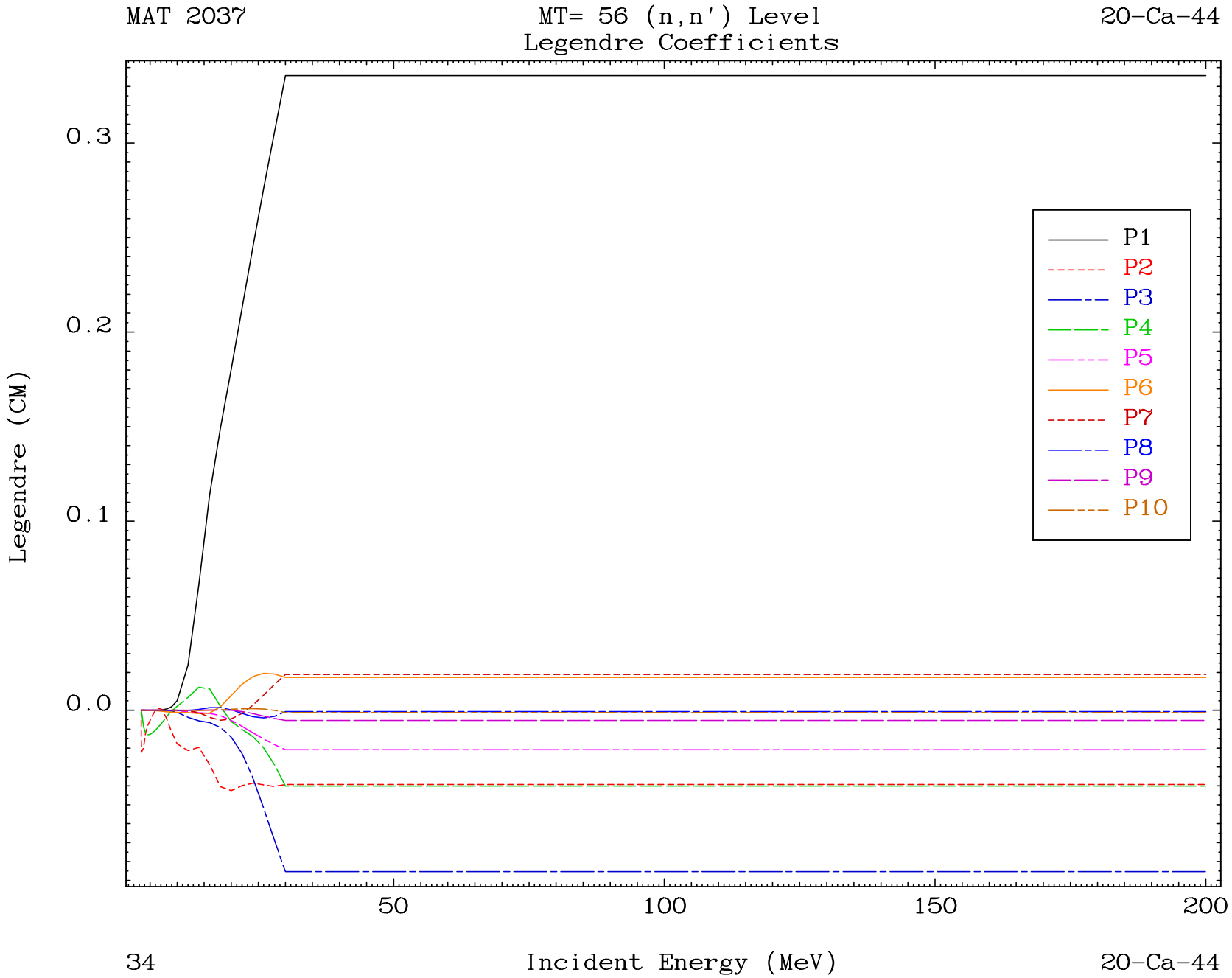

MAT 2037
MT= 54 (n,n') Level
Legendre Coefficients
20-Ca-44
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
29
Incident Energy (MeV)
20-Ca-44

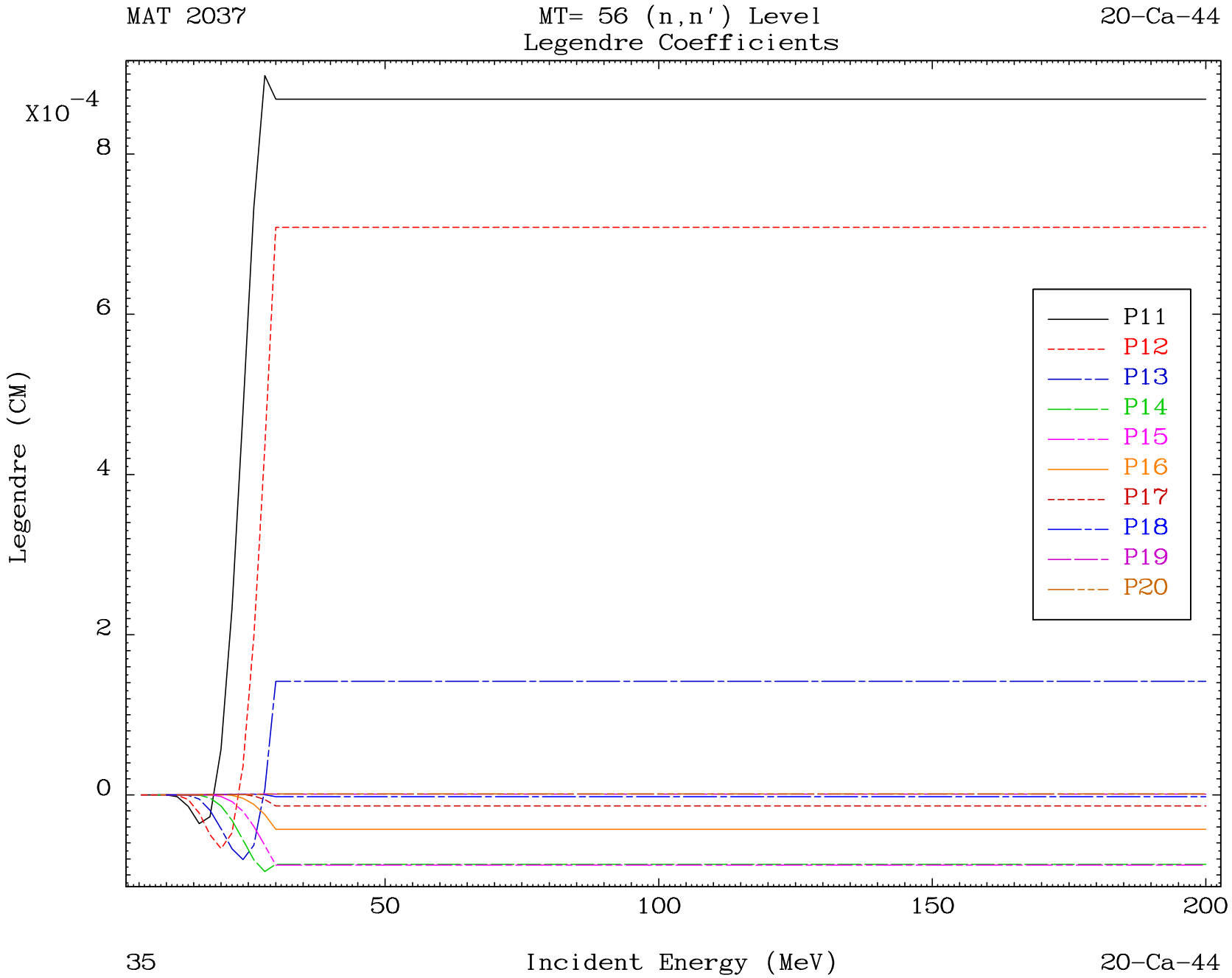

MAT 2037
MT= 54 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-6
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
30
Incident Energy (MeV)
20-Ca-44

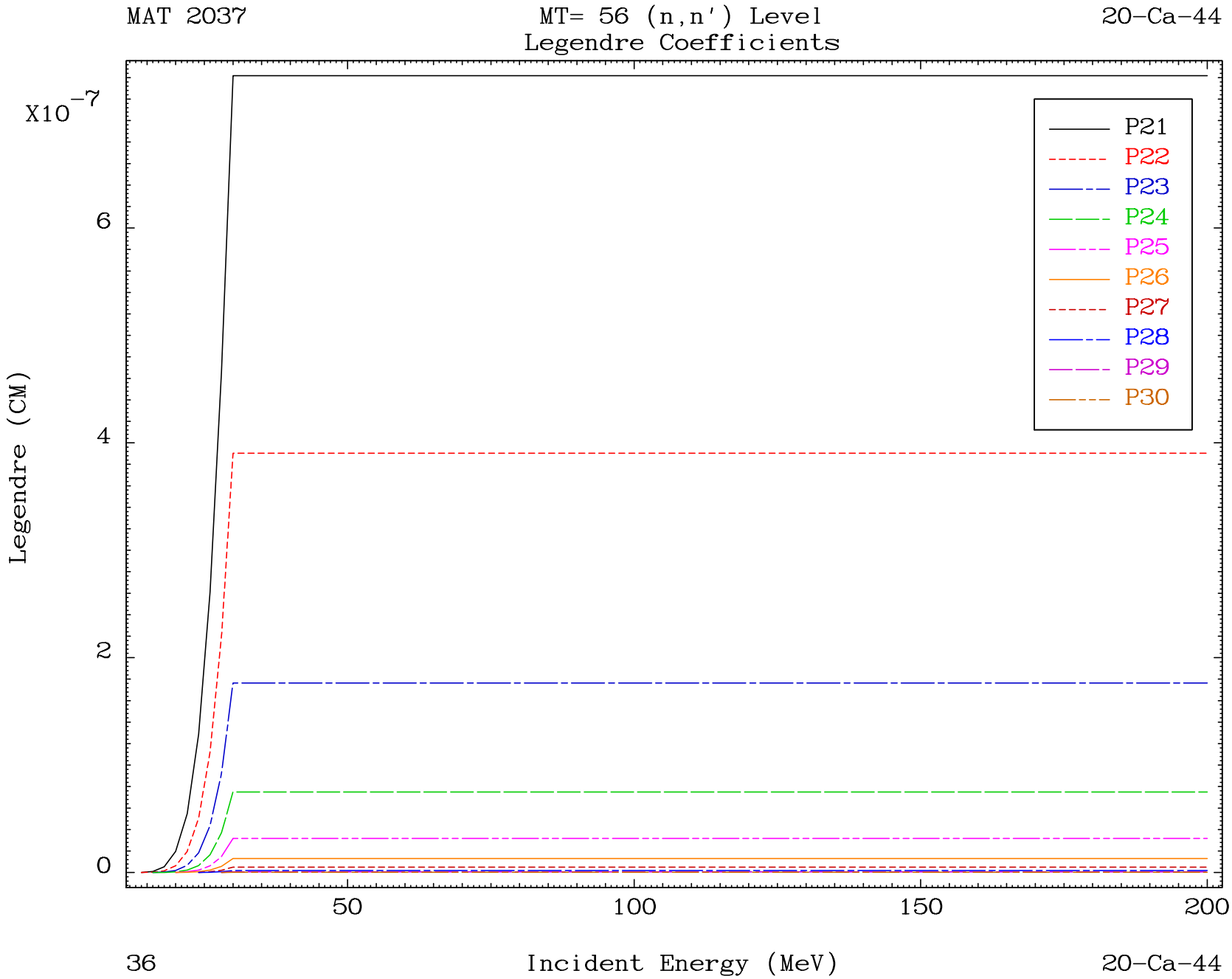

MAT 2037
MT= 55 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
31
20-Ca-44

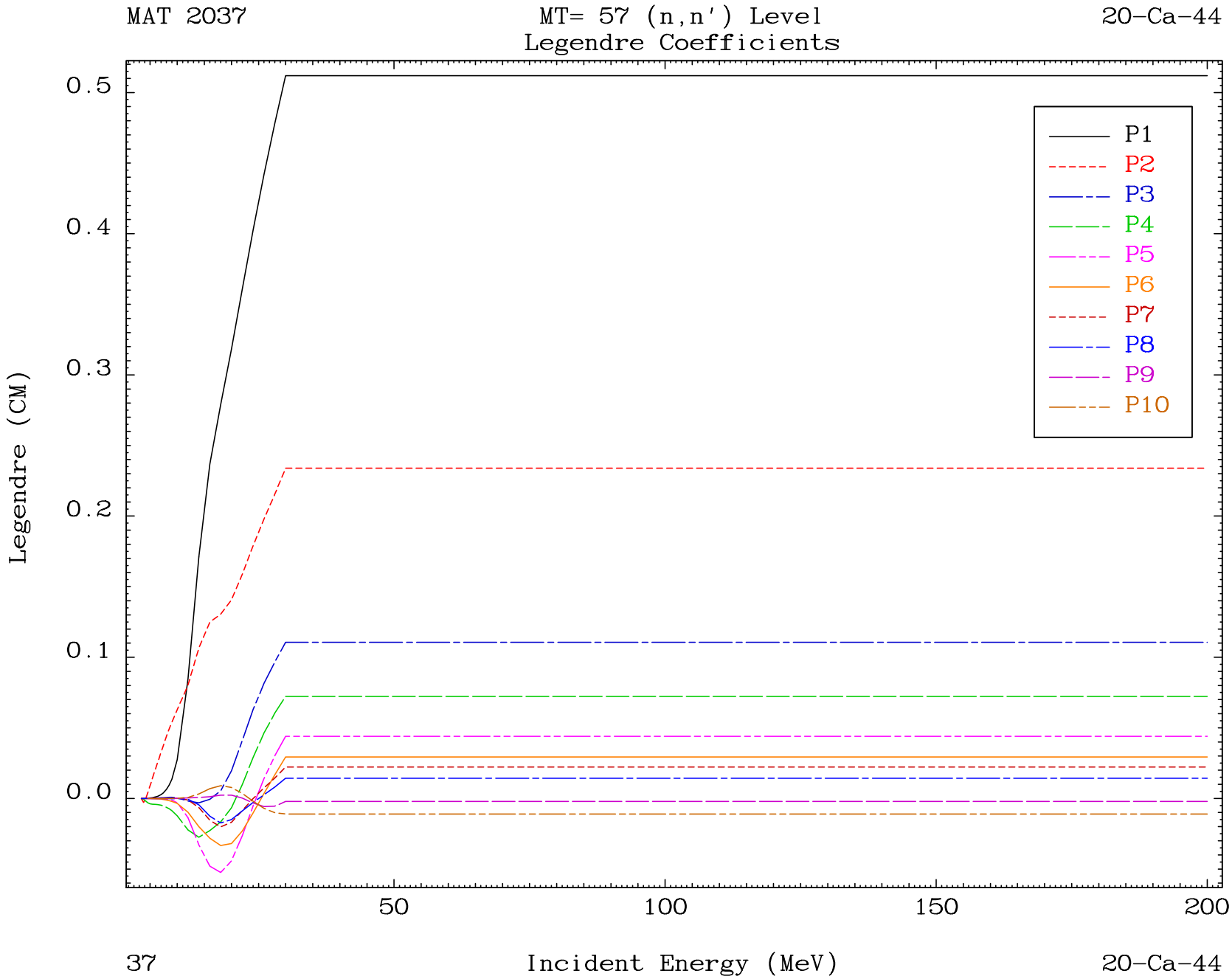

MAT 2037
MT= 55 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
32
Incident Energy (MeV)
20-Ca-44

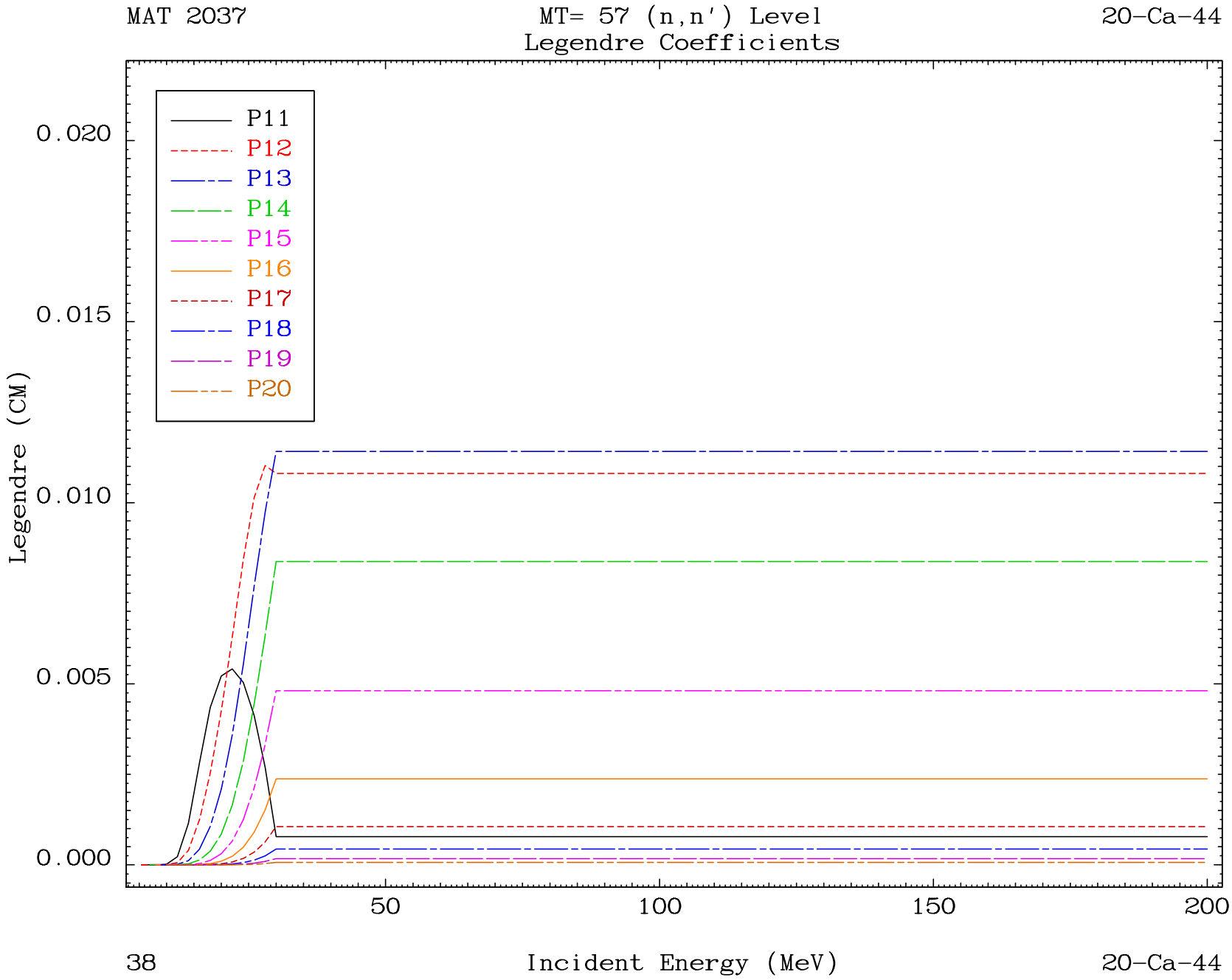

MAT 2037
MT= 55 (n,n') Level
Legendre Coefficients
20-Ca-44
X10 −6
8
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
33
Incident Energy (MeV)
20-Ca-44

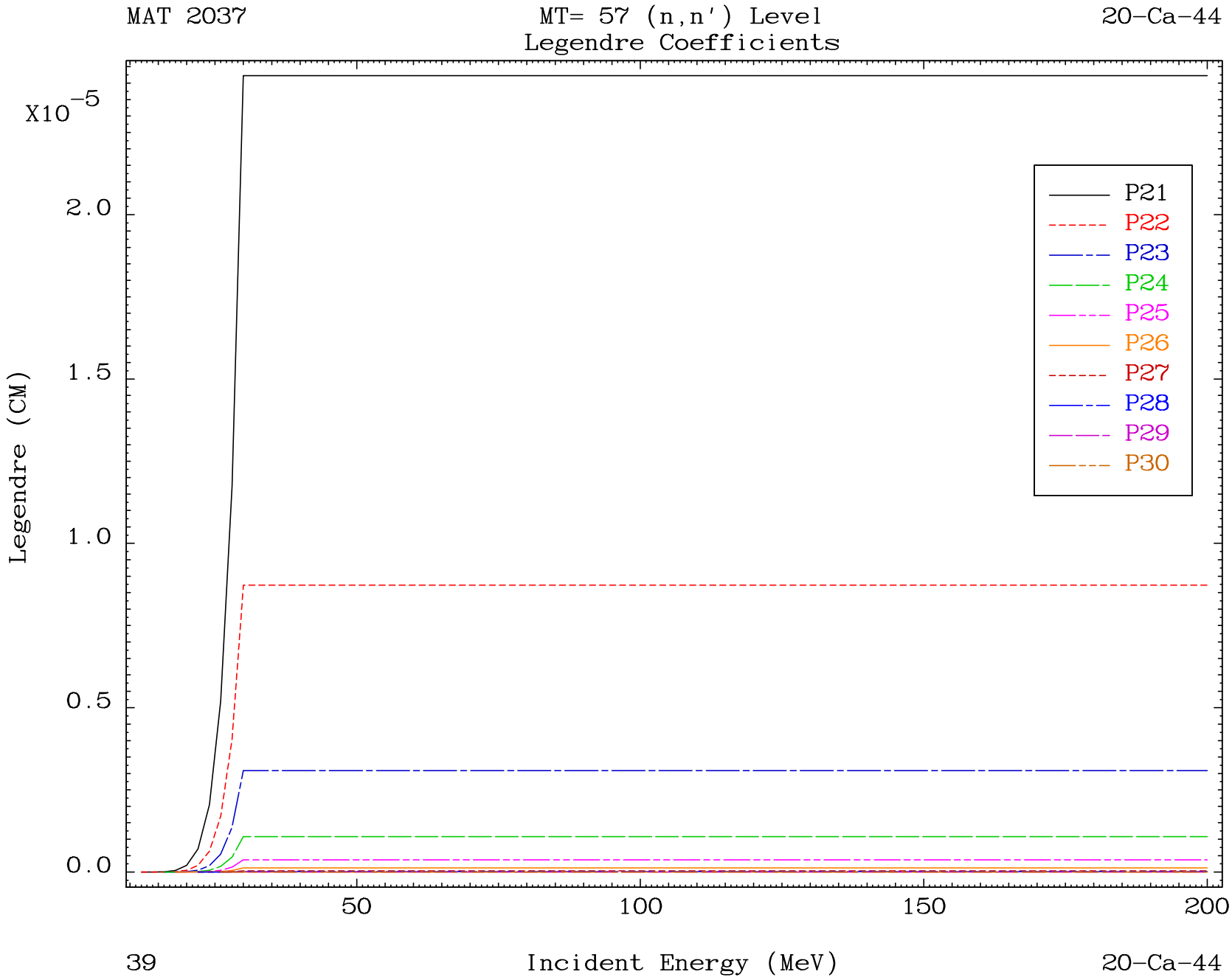

MAT 2037
MT= 56 (n,n') Level
Legendre Coefficients
20-Ca-44
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
34
Incident Energy (MeV)
20-Ca-44

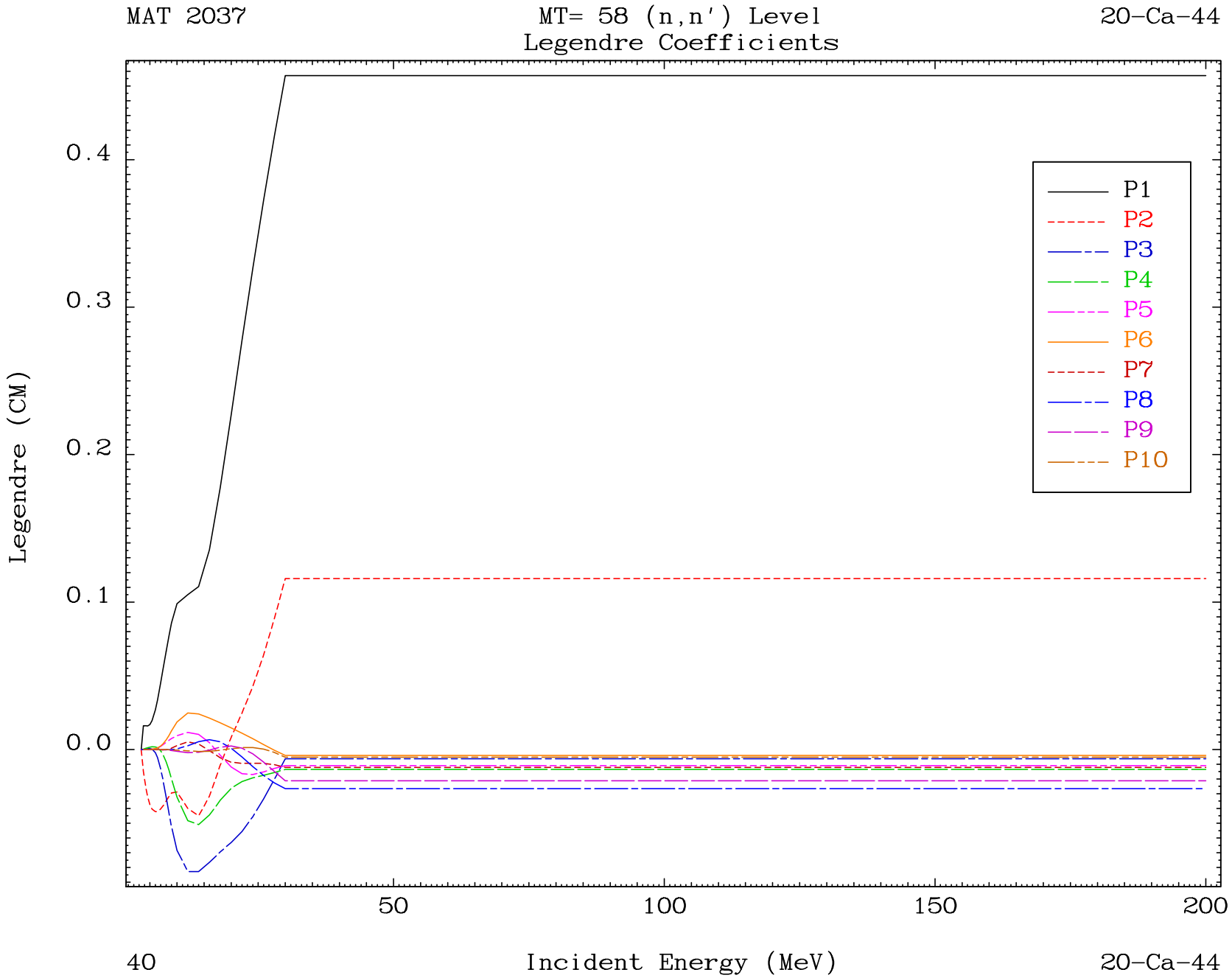

MAT 2037
MT= 56 (n,n') Level
Legendre Coefficients
20-Ca-44
X10 -4
8
6
4
2
0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
35
Incident Energy (MeV)
20-Ca-44

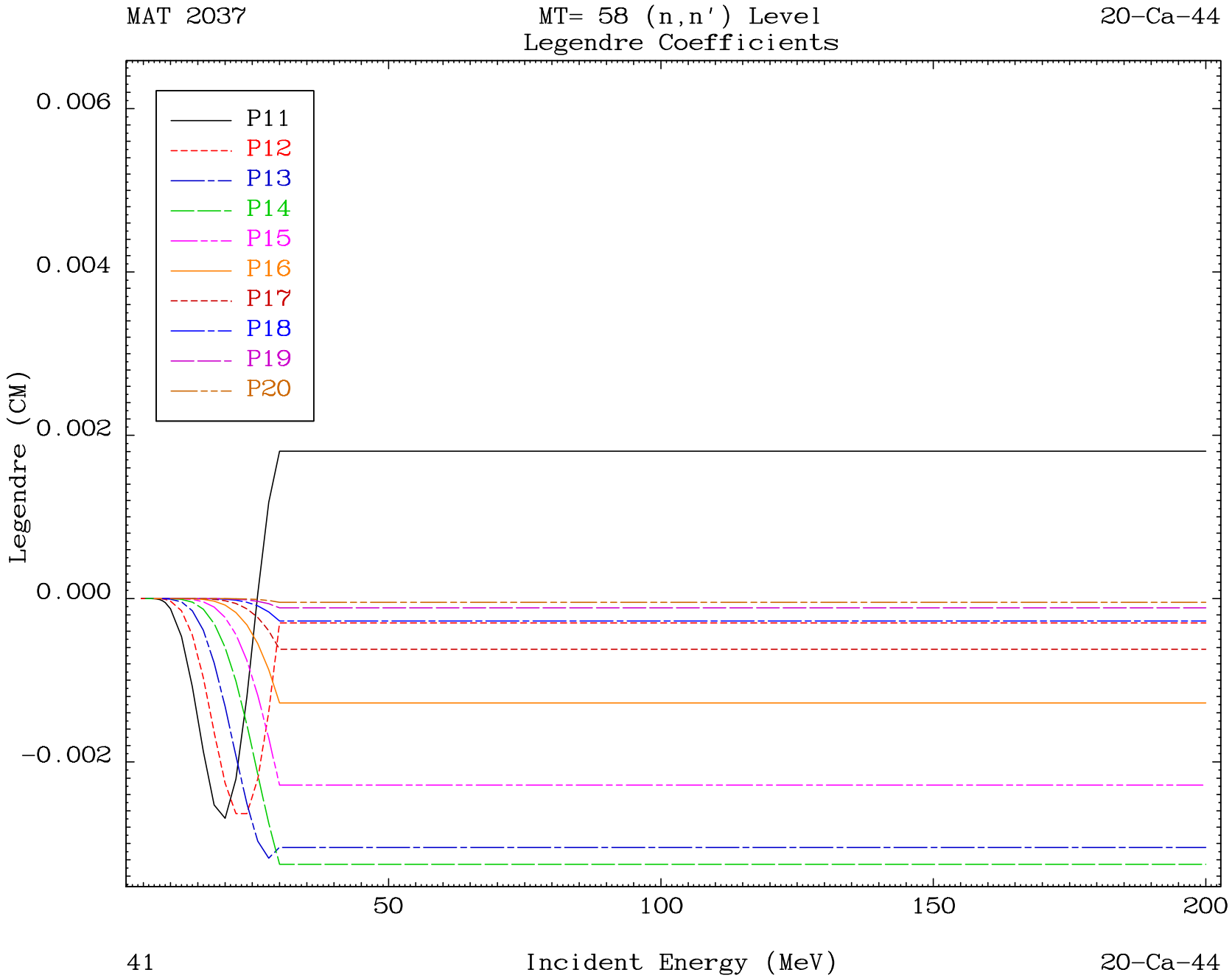

MAT 2037
MT= 56 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-7
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
36
Incident Energy (MeV)
20-Ca-44

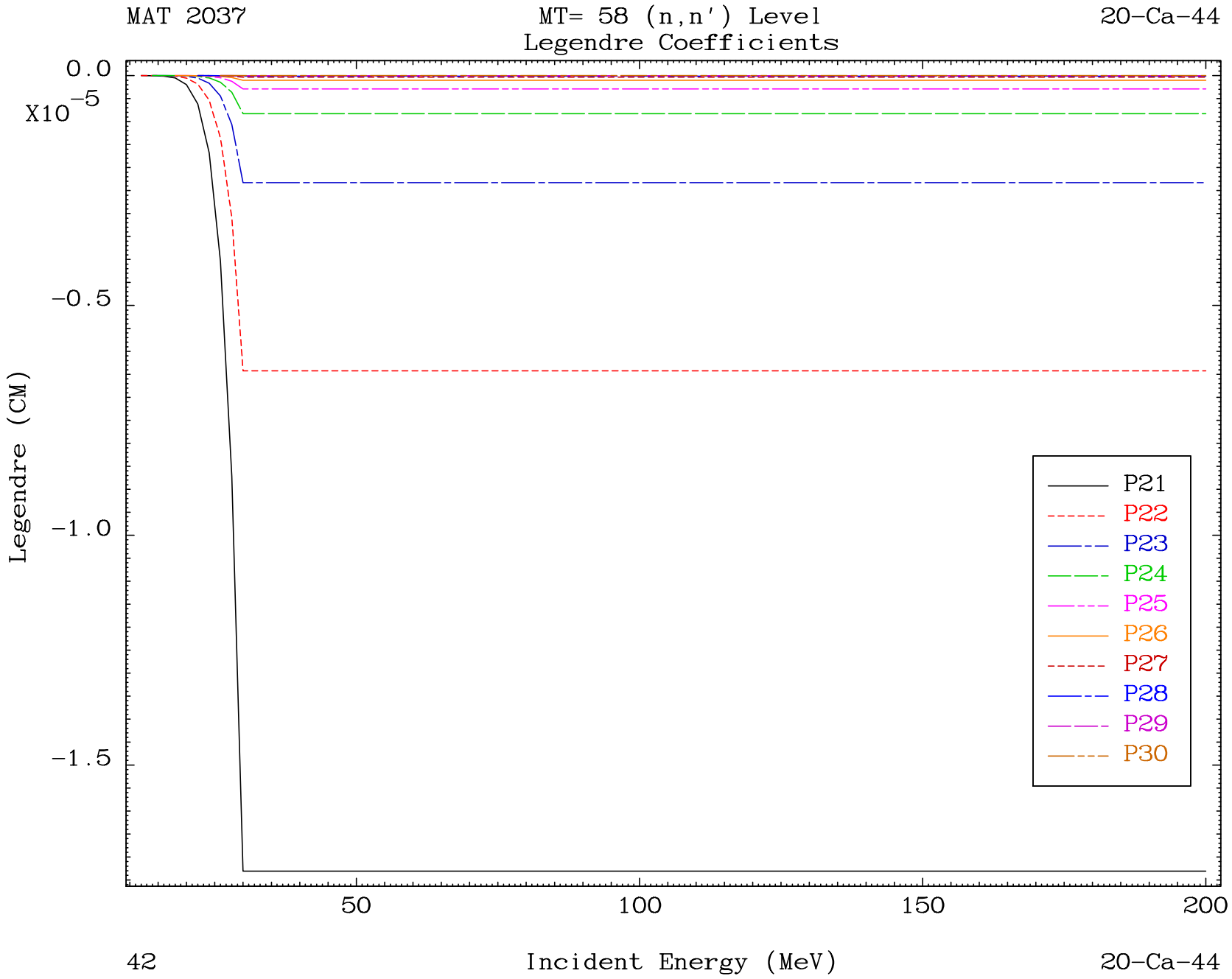

MAT 2037
MT= 57 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
37
Incident Energy (MeV)
20-Ca-44

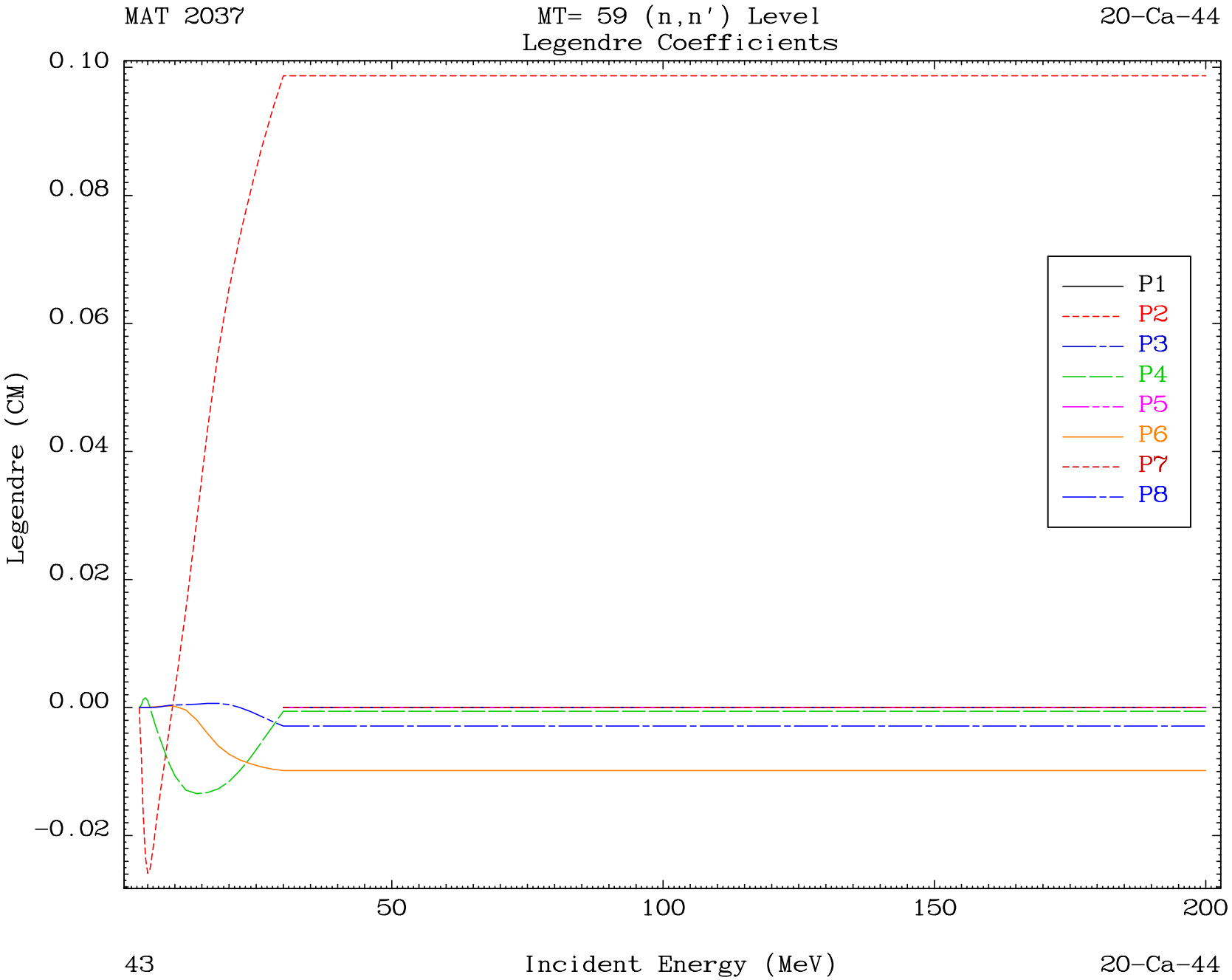

MAT 2037
MT= 57 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
20-Ca-44

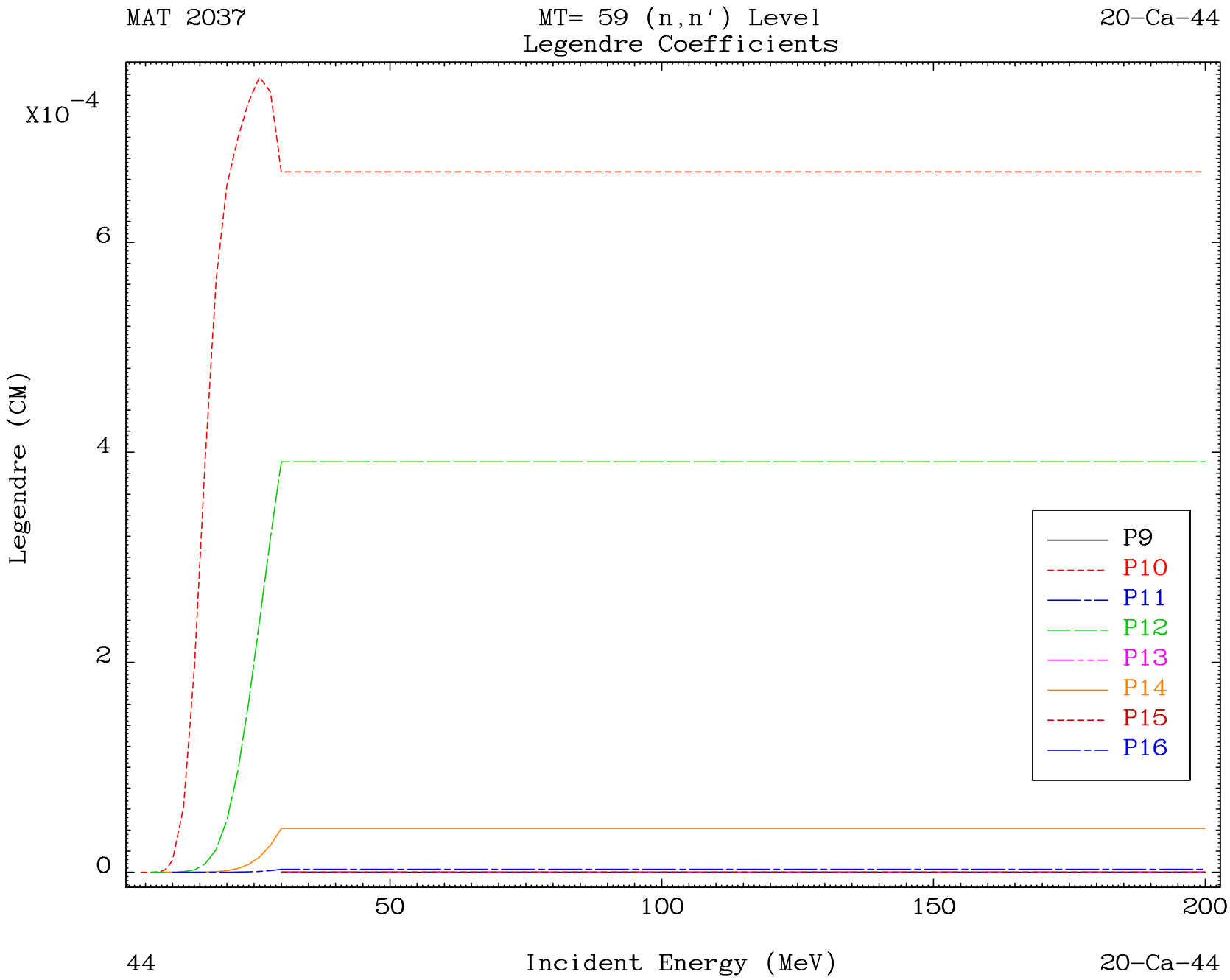

MAT 2037
MT= 57 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
39
Incident Energy (MeV)
20-Ca-44

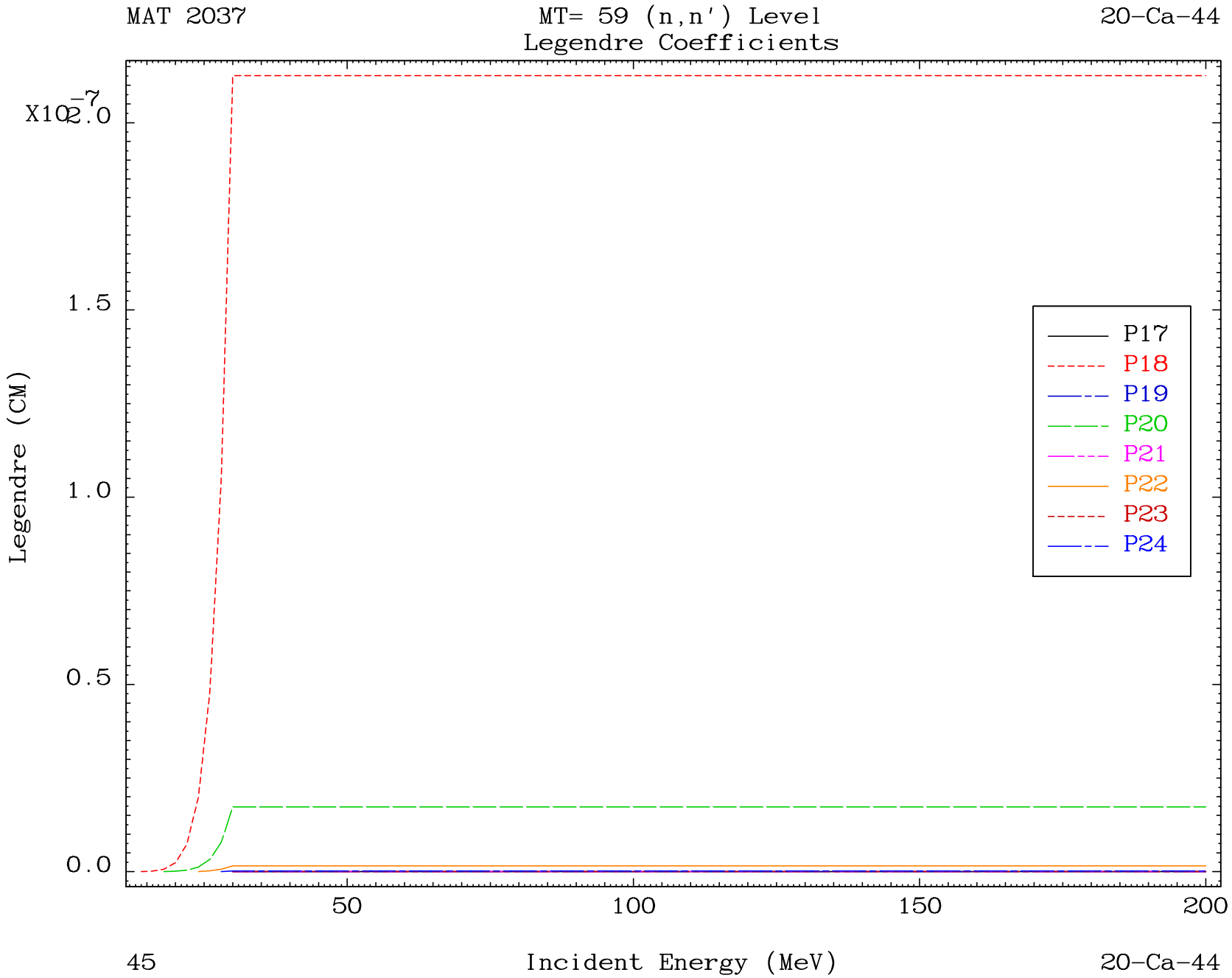

MAT 2037
MT= 58 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
40
Incident Energy (MeV)
20-Ca-44

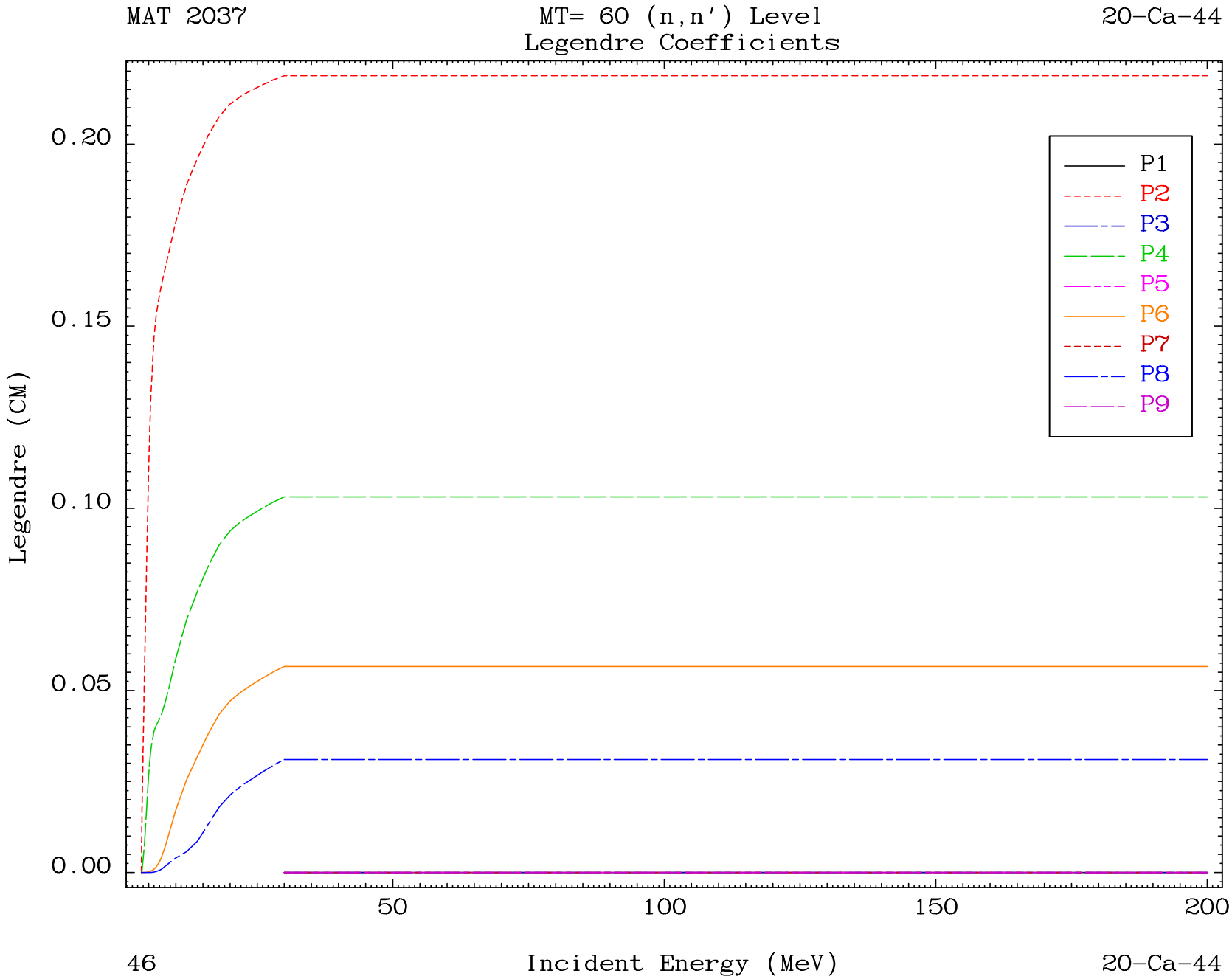

MAT 2037
MT= 58 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
20-Ca-44

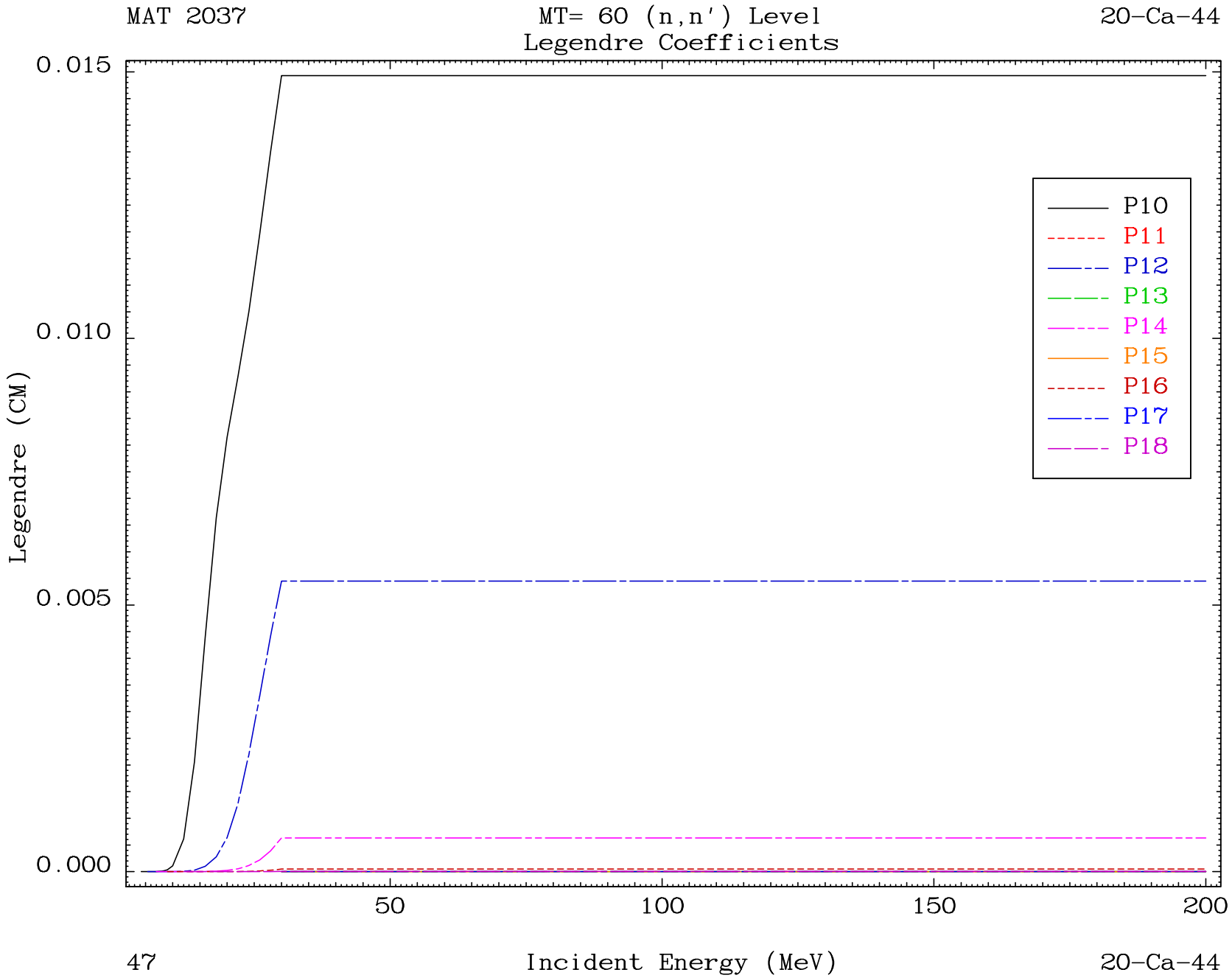

MAT 2037
MT= 58 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

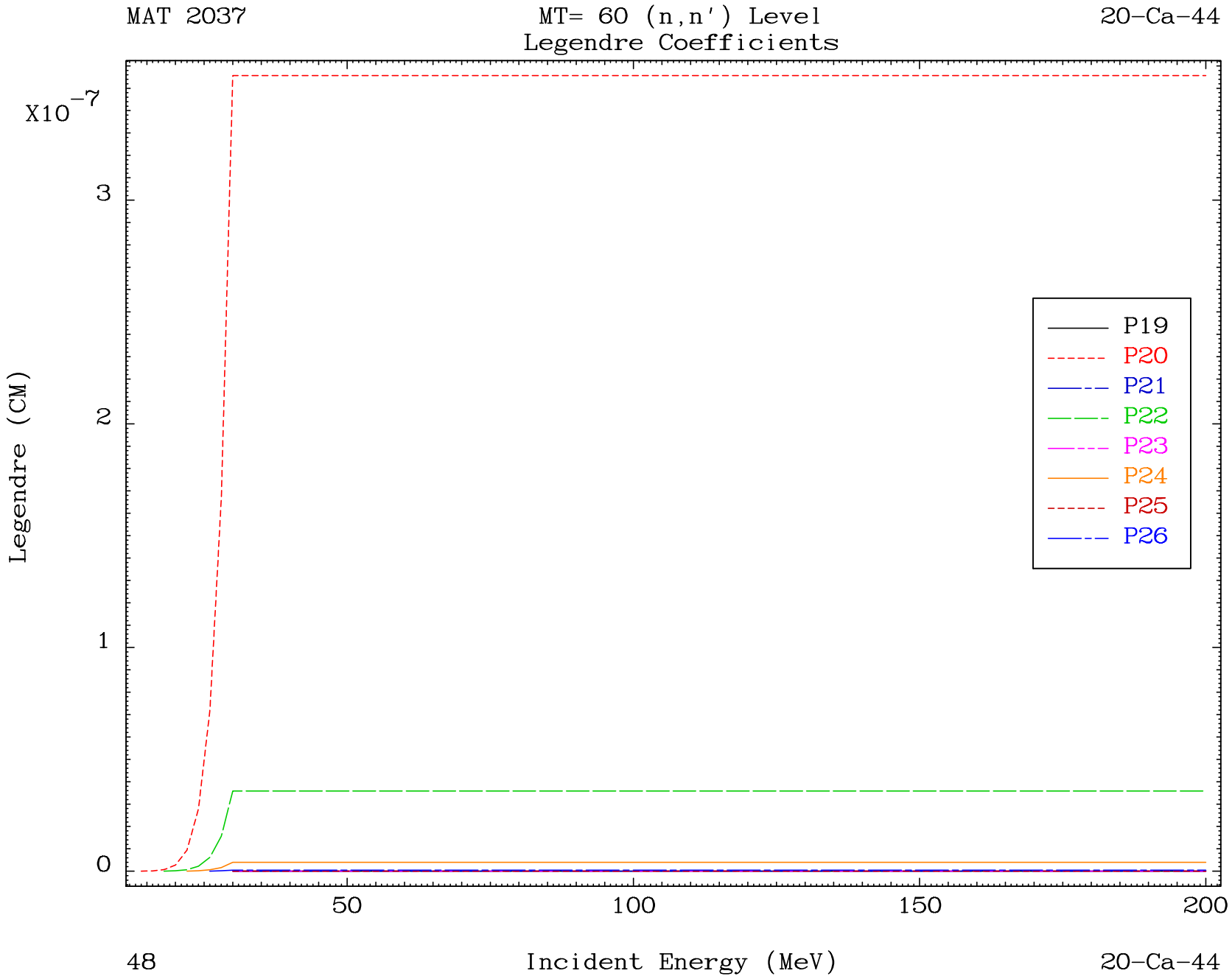

MAT 2037
MT= 59 (n,n') Level
Legendre Coefficients
20-Ca-44
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8

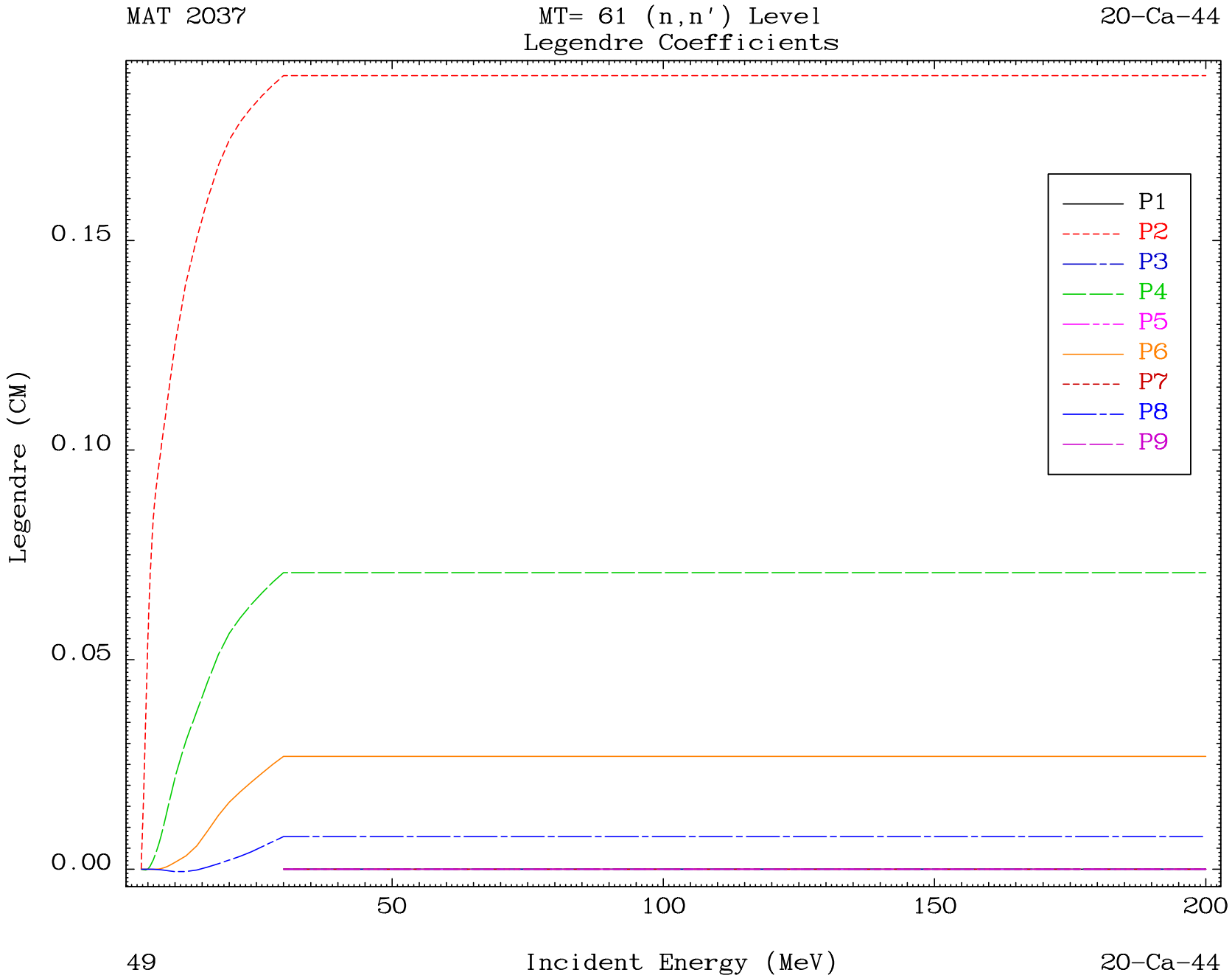

MAT 2037
MT= 59 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-4
6
4
2
0
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
20-Ca-44
P9
P10
P11
P12
P13
P14
P15
P16

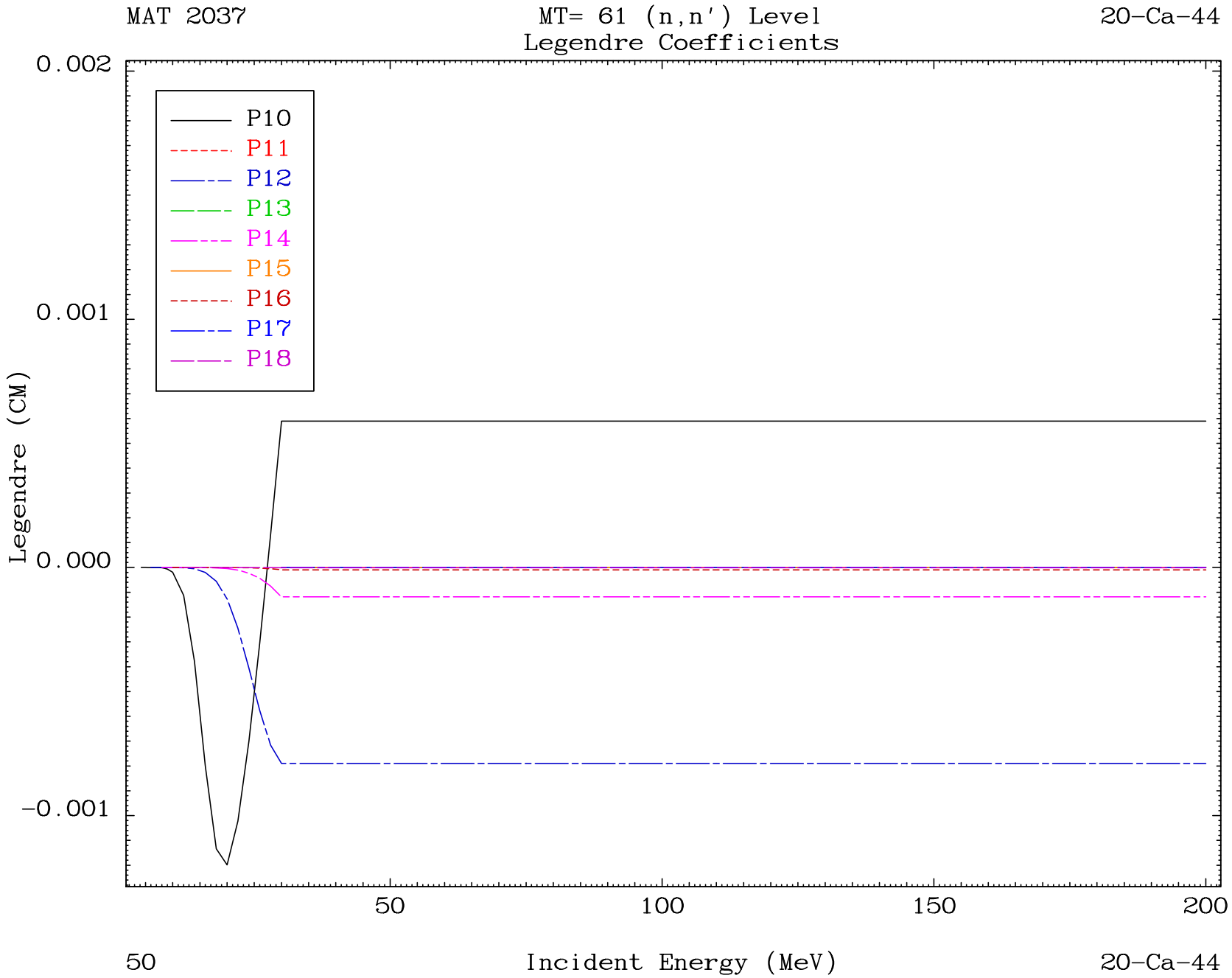

MAT 2037
MT= 59 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
45
Incident Energy (MeV)
20-Ca-44

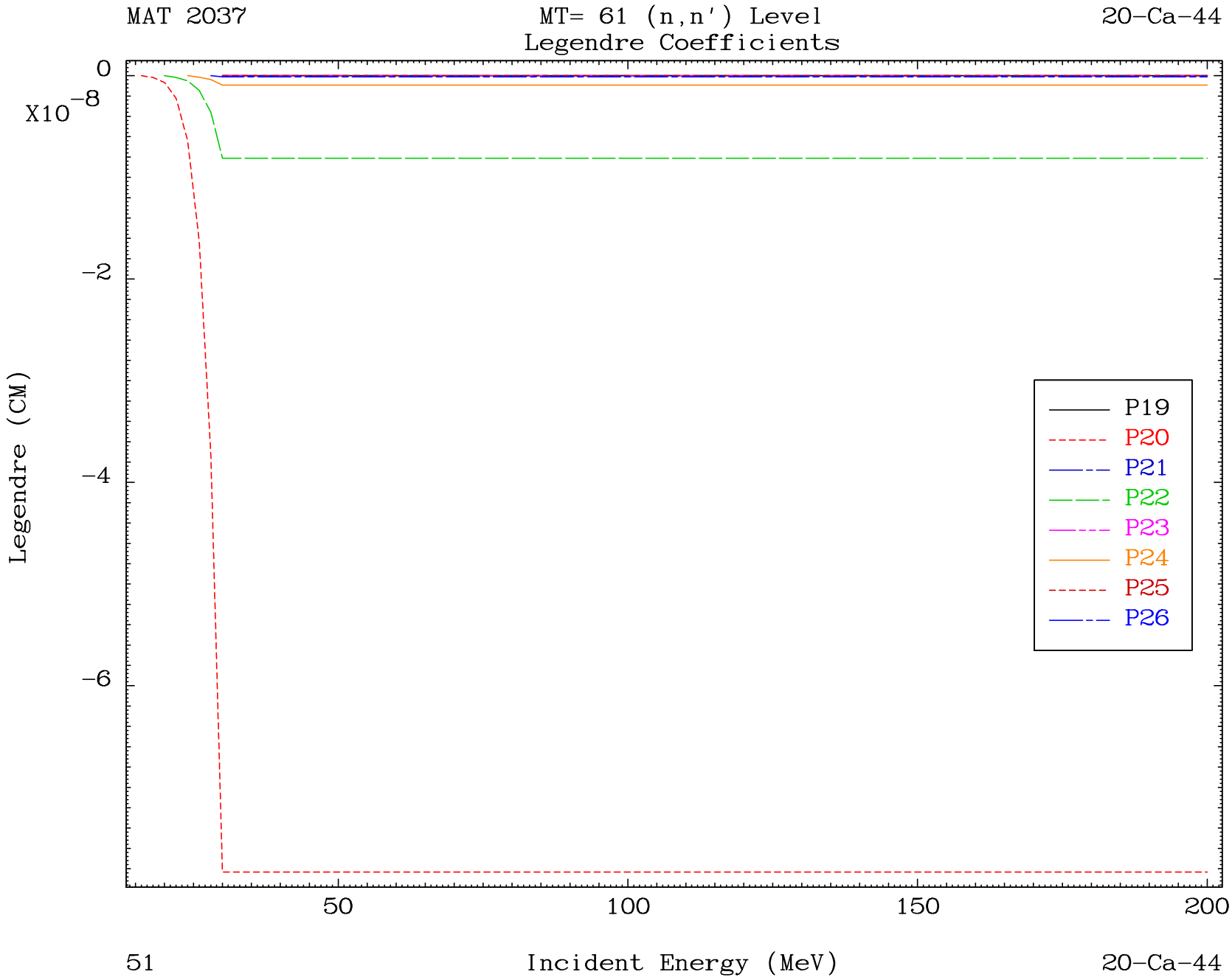

MAT 2037
MT= 60 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
46
Incident Energy (MeV)
20-Ca-44

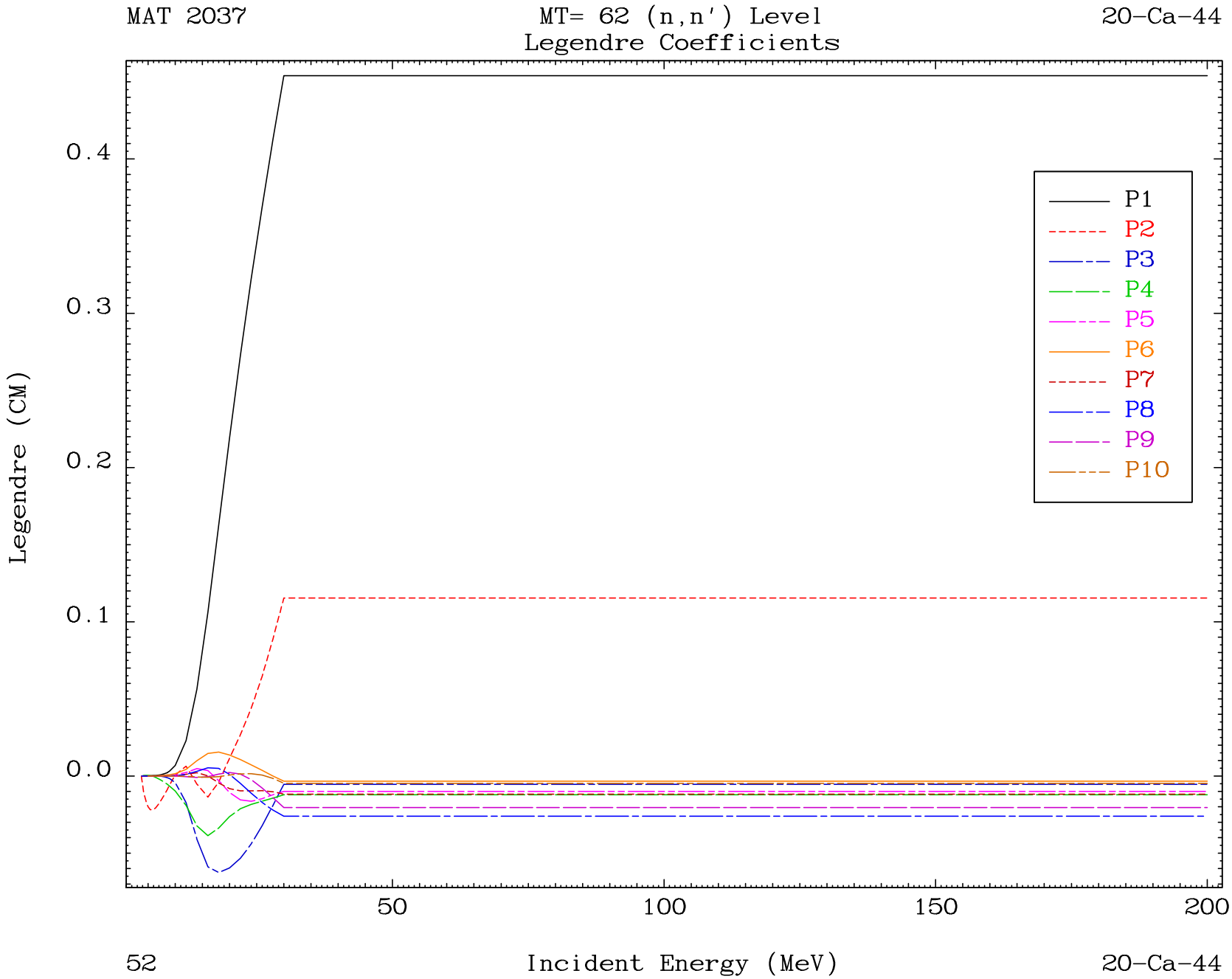

MAT 2037
MT= 60 (n,n') Level
Legendre Coefficients
20-Ca-44
0.015
0.010
0.005
0.000
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
47
Incident Energy (MeV)
20-Ca-44

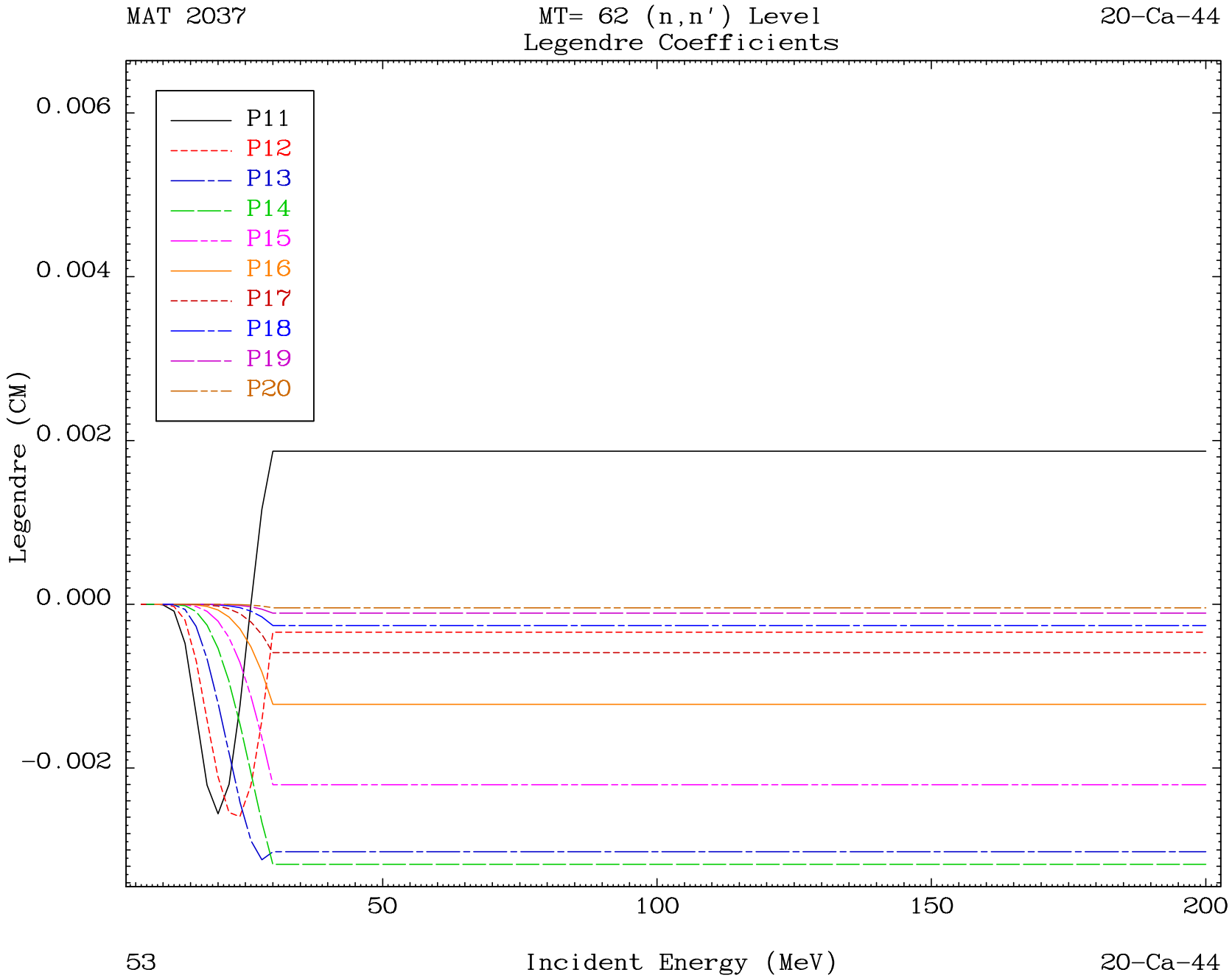

MAT 2037
MT= 60 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-7
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
48
Incident Energy (MeV)
20-Ca-44

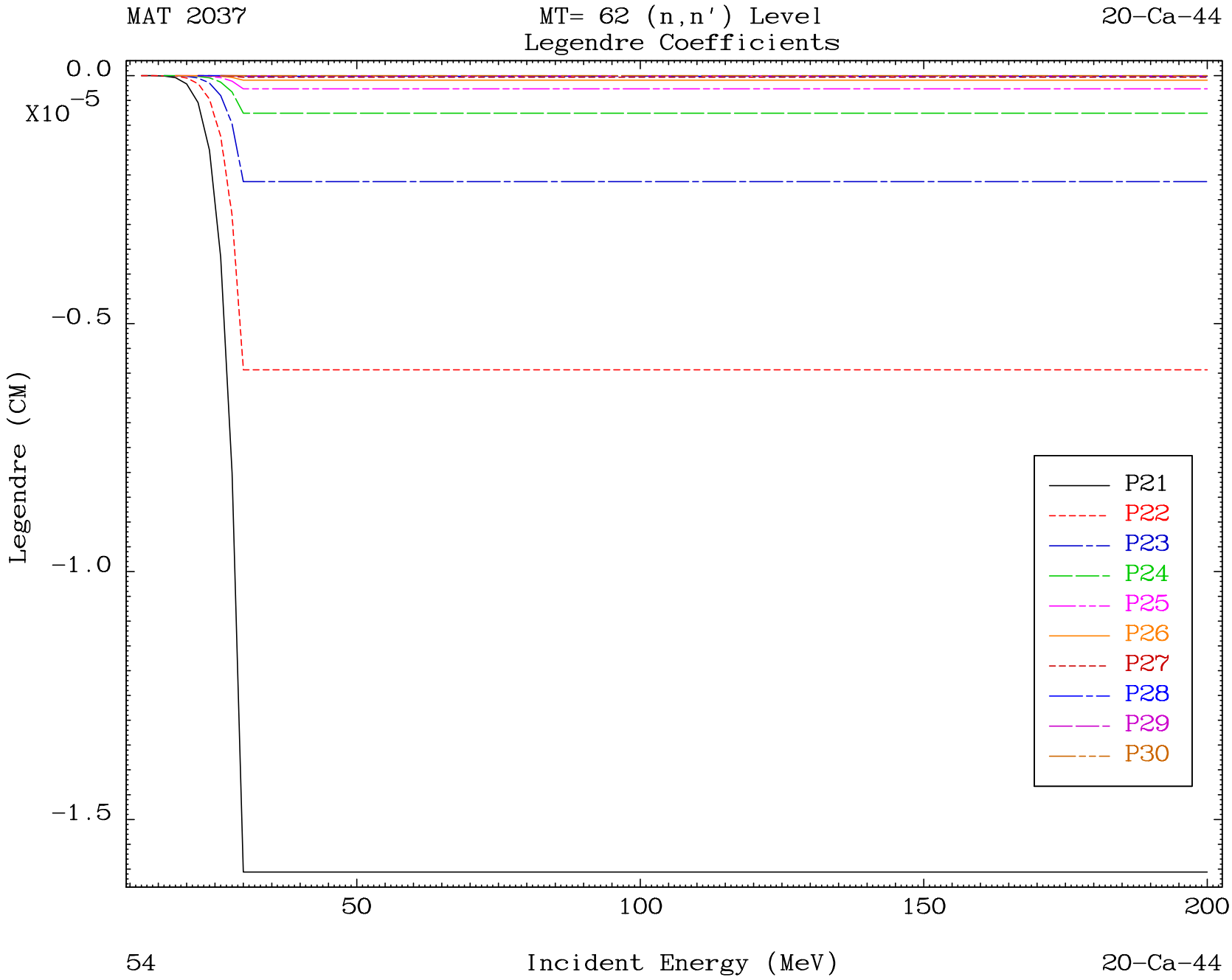

MAT 2037
MT= 61 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.15
0.10
0.05
0.00
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
49
Incident Energy (MeV)
20-Ca-44

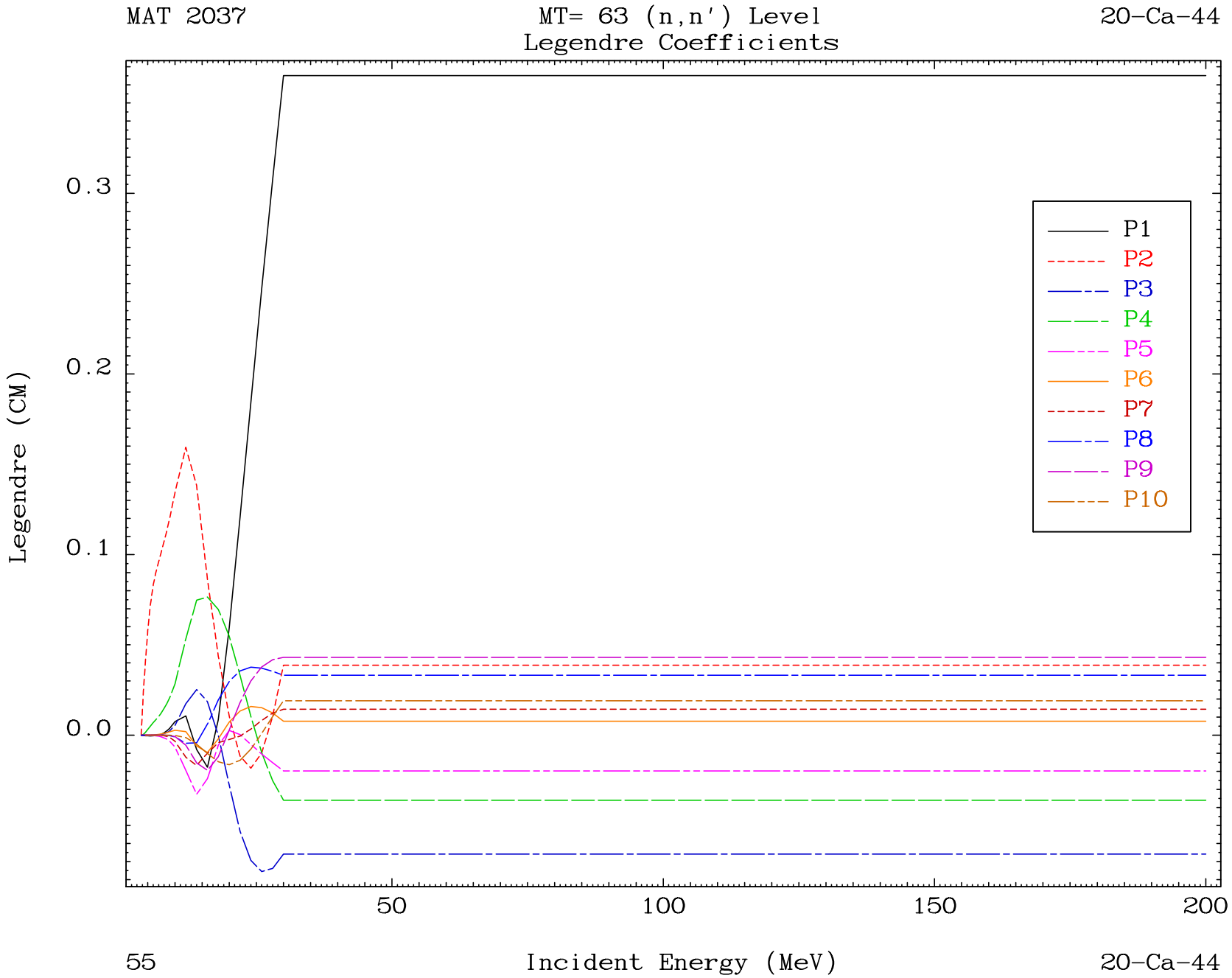

MAT 2037
MT= 61 (n,n') Level
Legendre Coefficients
20-Ca-44
0.002
0.001
0.000
-0.001
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
50
Incident Energy (MeV)
20-Ca-44

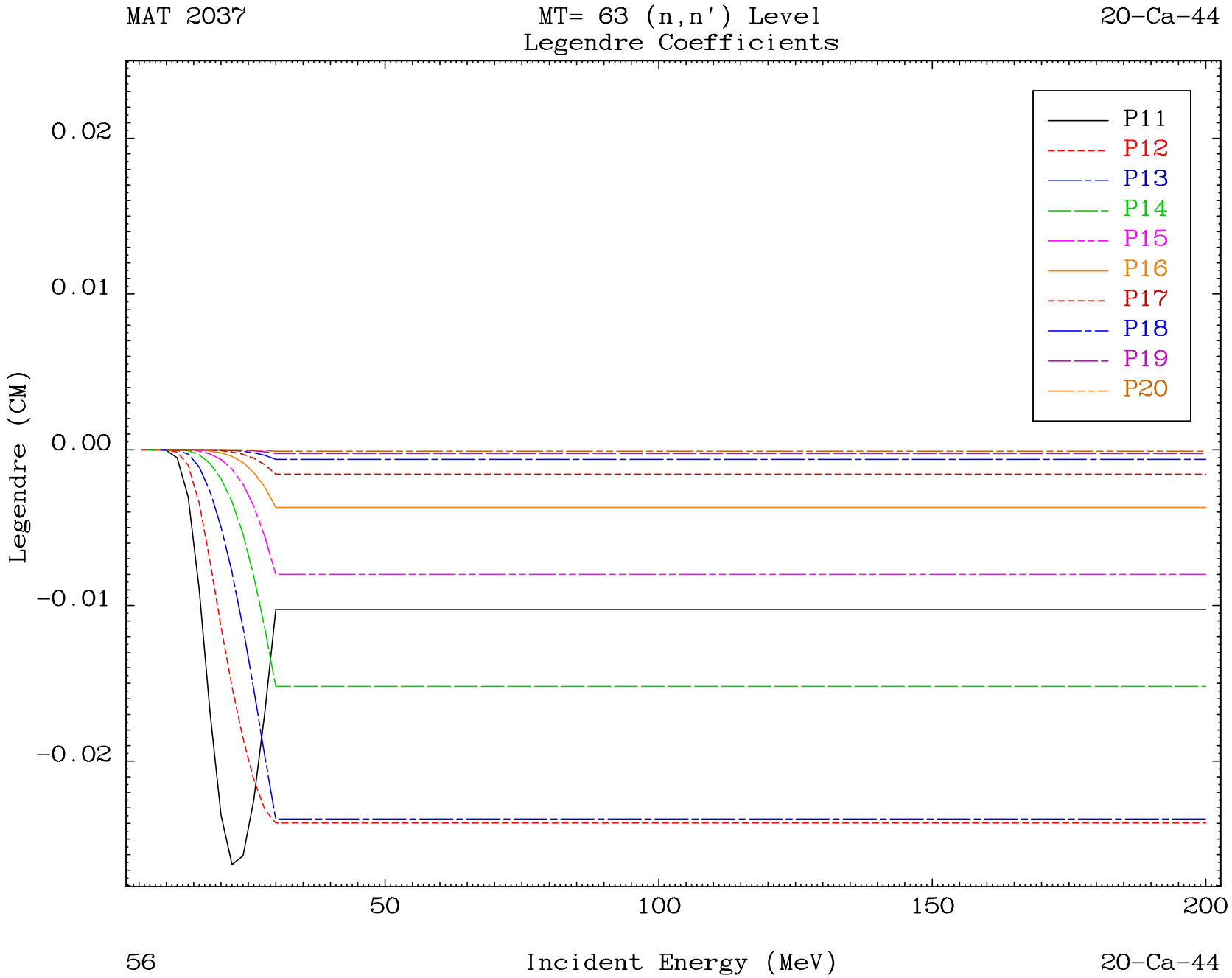

MAT 2037
MT= 61 (n,n') Level
Legendre Coefficients
20-Ca-44
0
X10^-8
-2
-4
-6
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
51
Incident Energy (MeV)
20-Ca-44

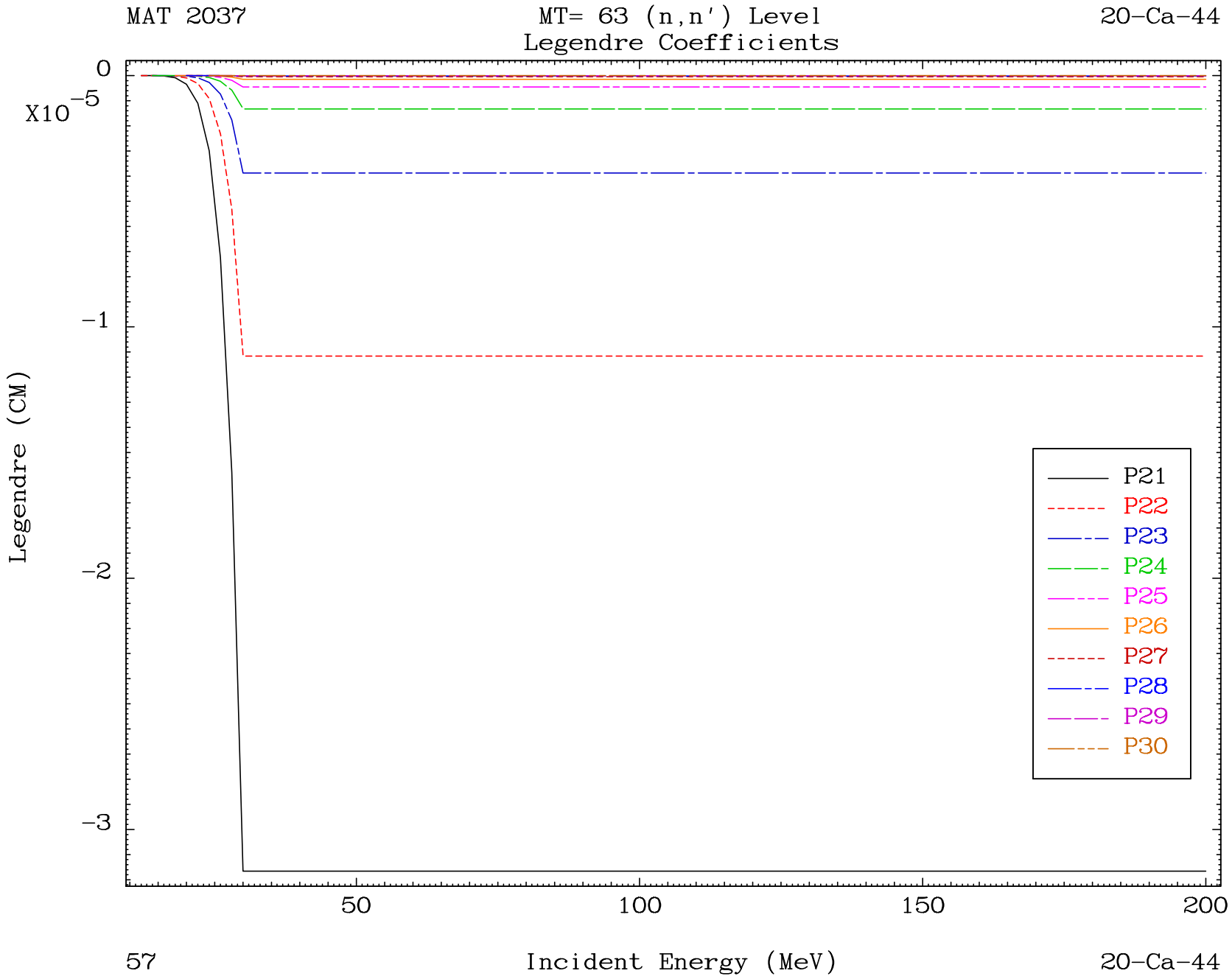

MAT 2037
MT= 62 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
52
Incident Energy (MeV)
20-Ca-44

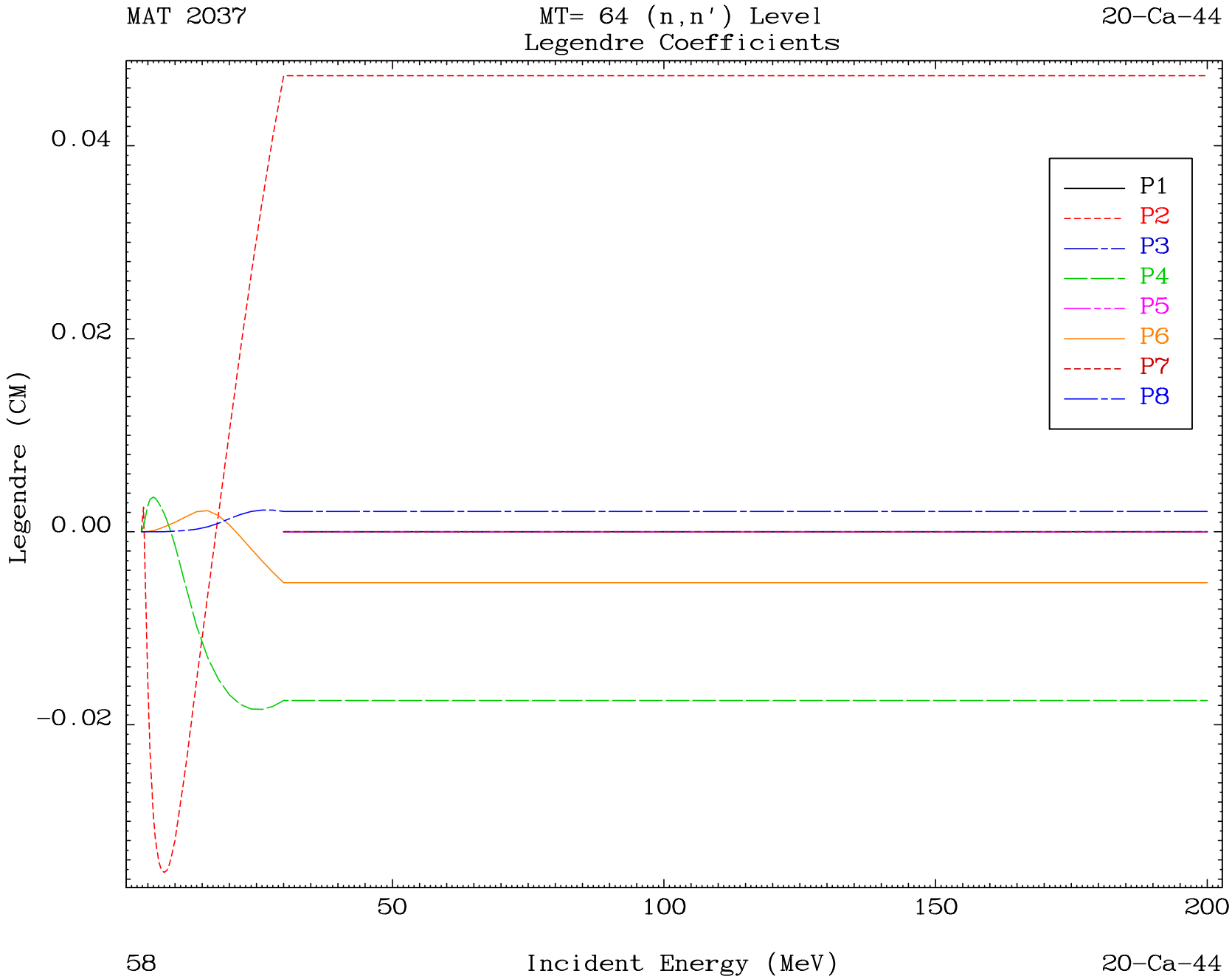

MAT 2037
MT= 62 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
20-Ca-44

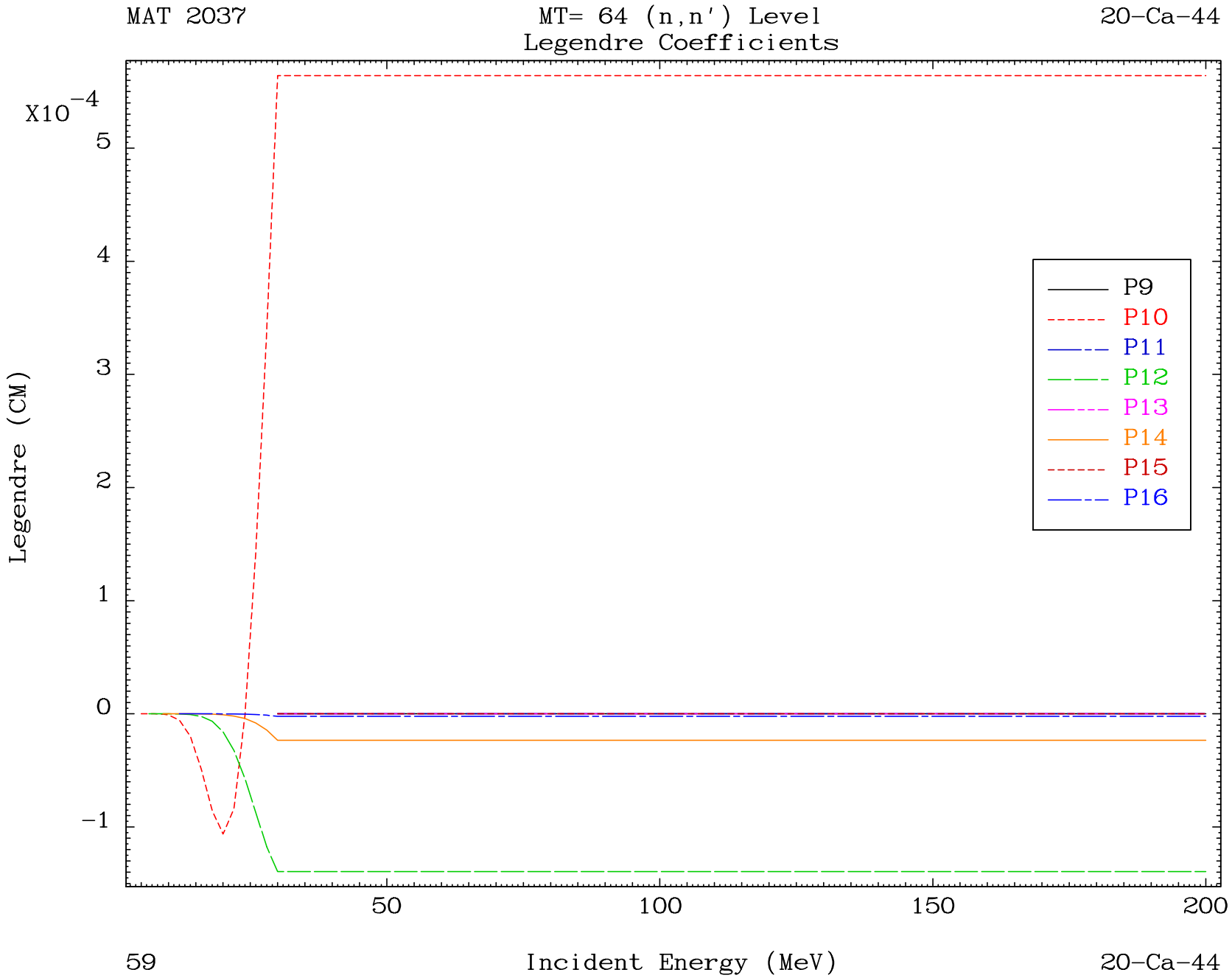

MAT 2037
MT= 62 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

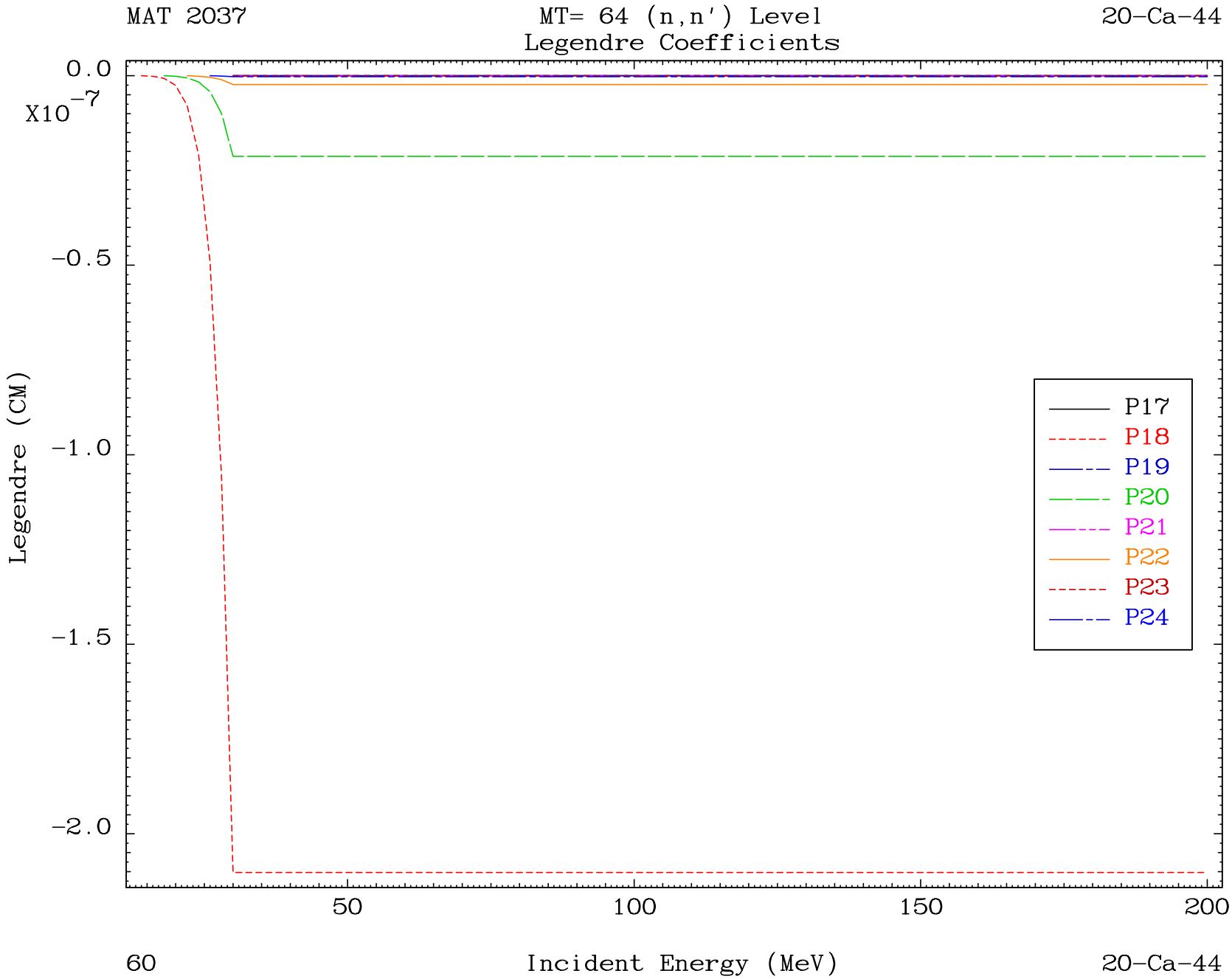

MAT 2037
MT= 63 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
55
Incident Energy (MeV)
20-Ca-44

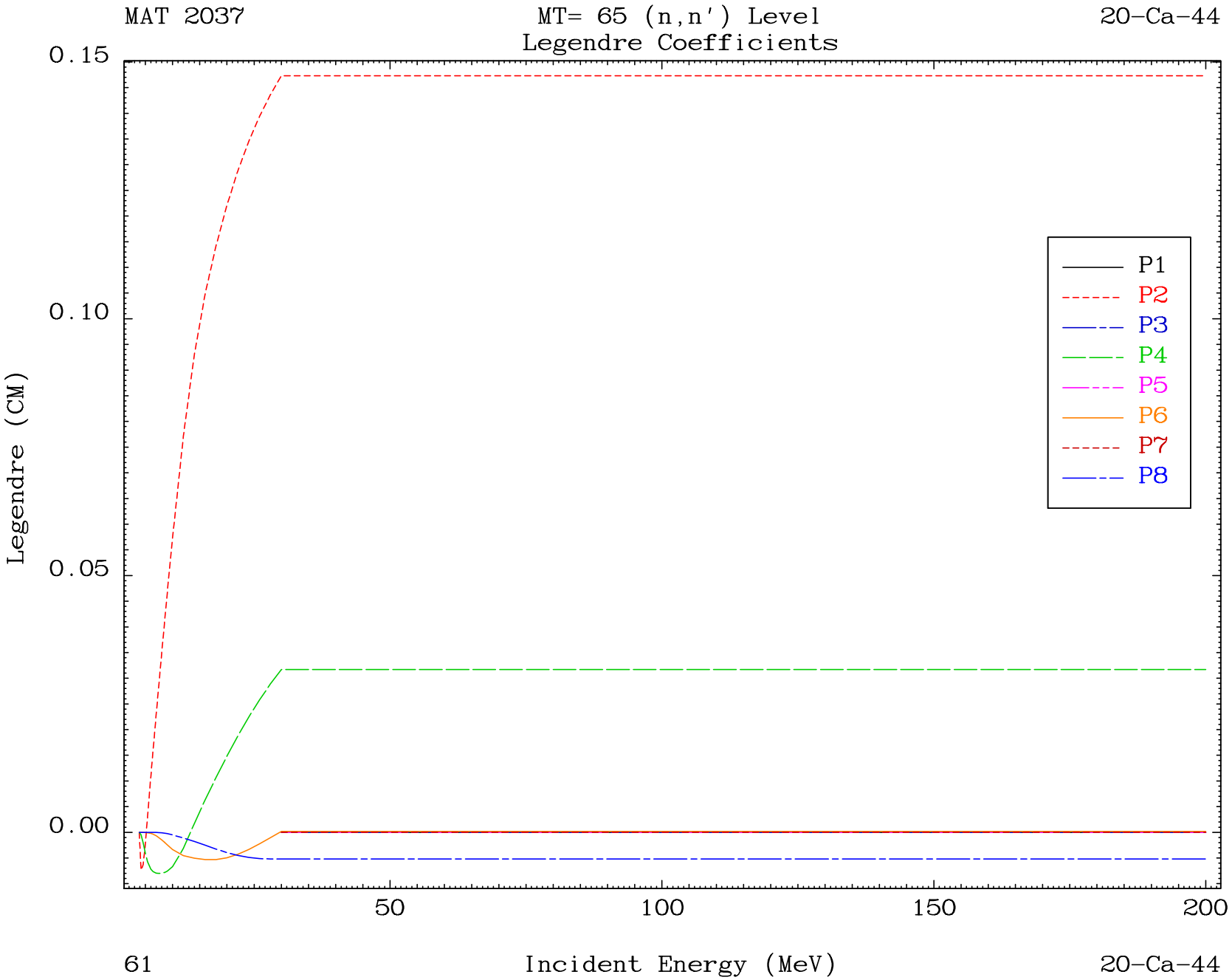

MAT 2037
MT= 63 (n,n') Level
Legendre Coefficients
20-Ca-44
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
56
Incident Energy (MeV)
20-Ca-44

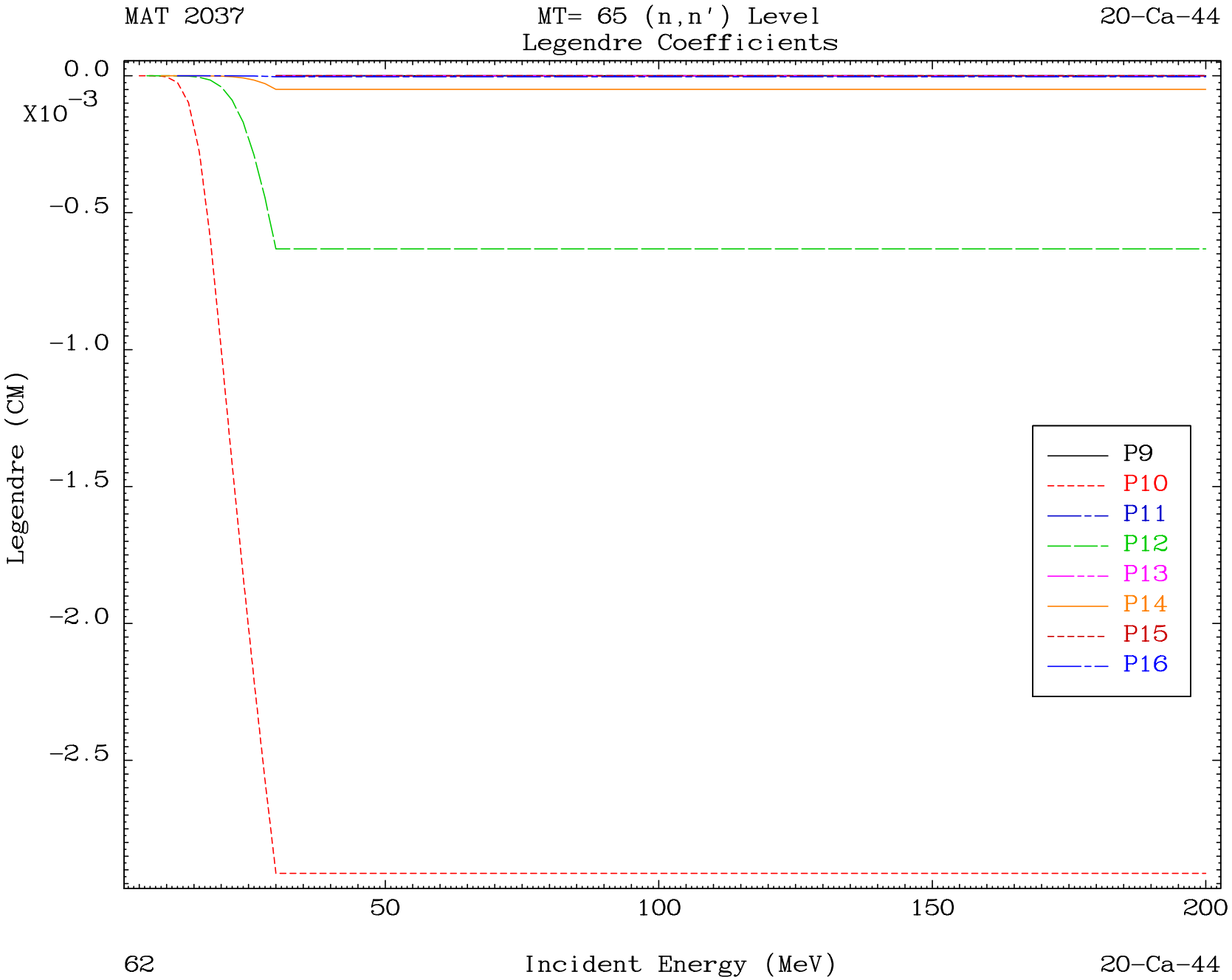

MAT 2037
MT= 63 (n,n') Level
Legendre Coefficients
20-Ca-44
0
X10^-5
-1
-2
-3
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

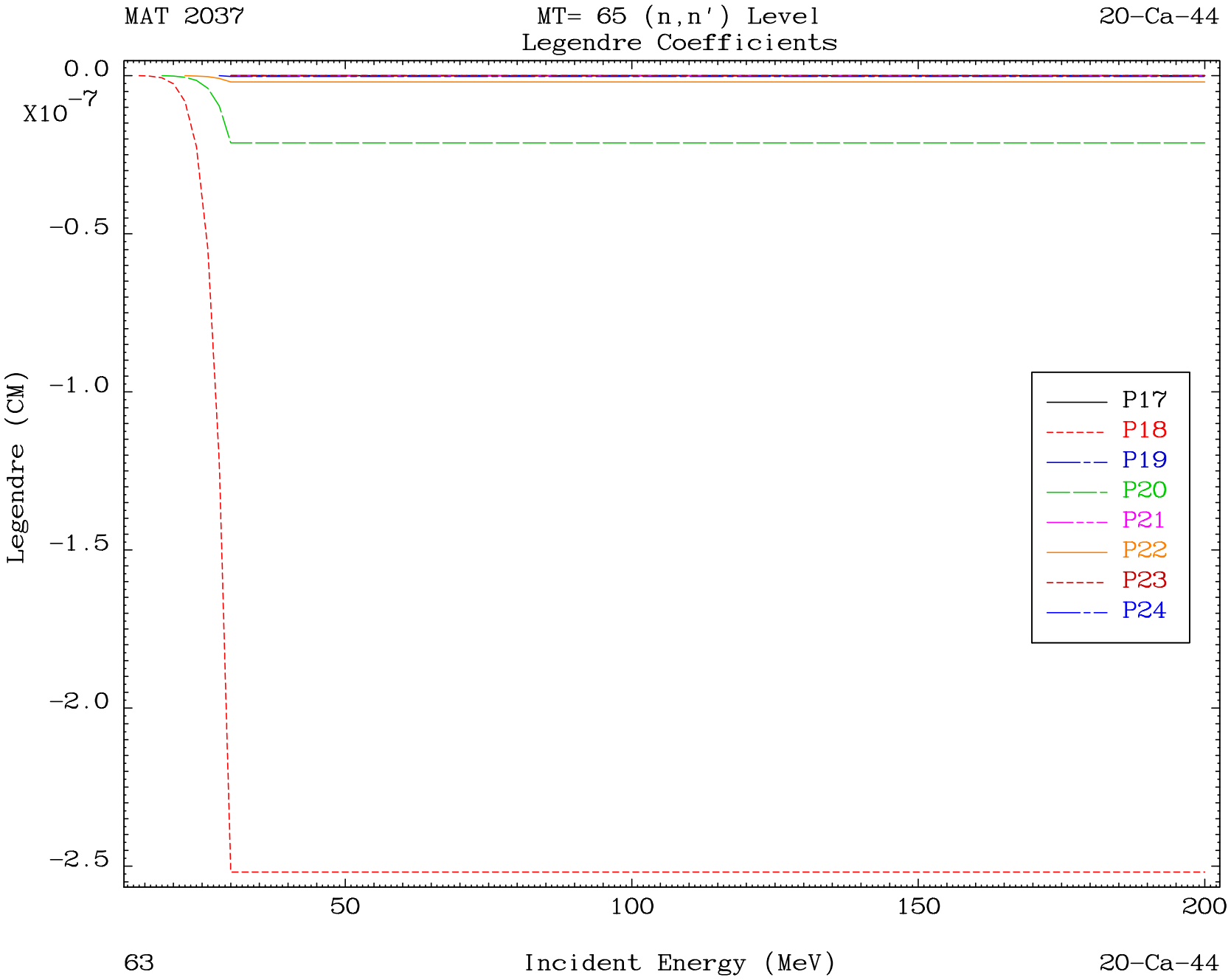

MAT 2037
MT= 64 (n,n') Level
Legendre Coefficients
20-Ca-44
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
50
100
150
200
58
Incident Energy (MeV)
20-Ca-44

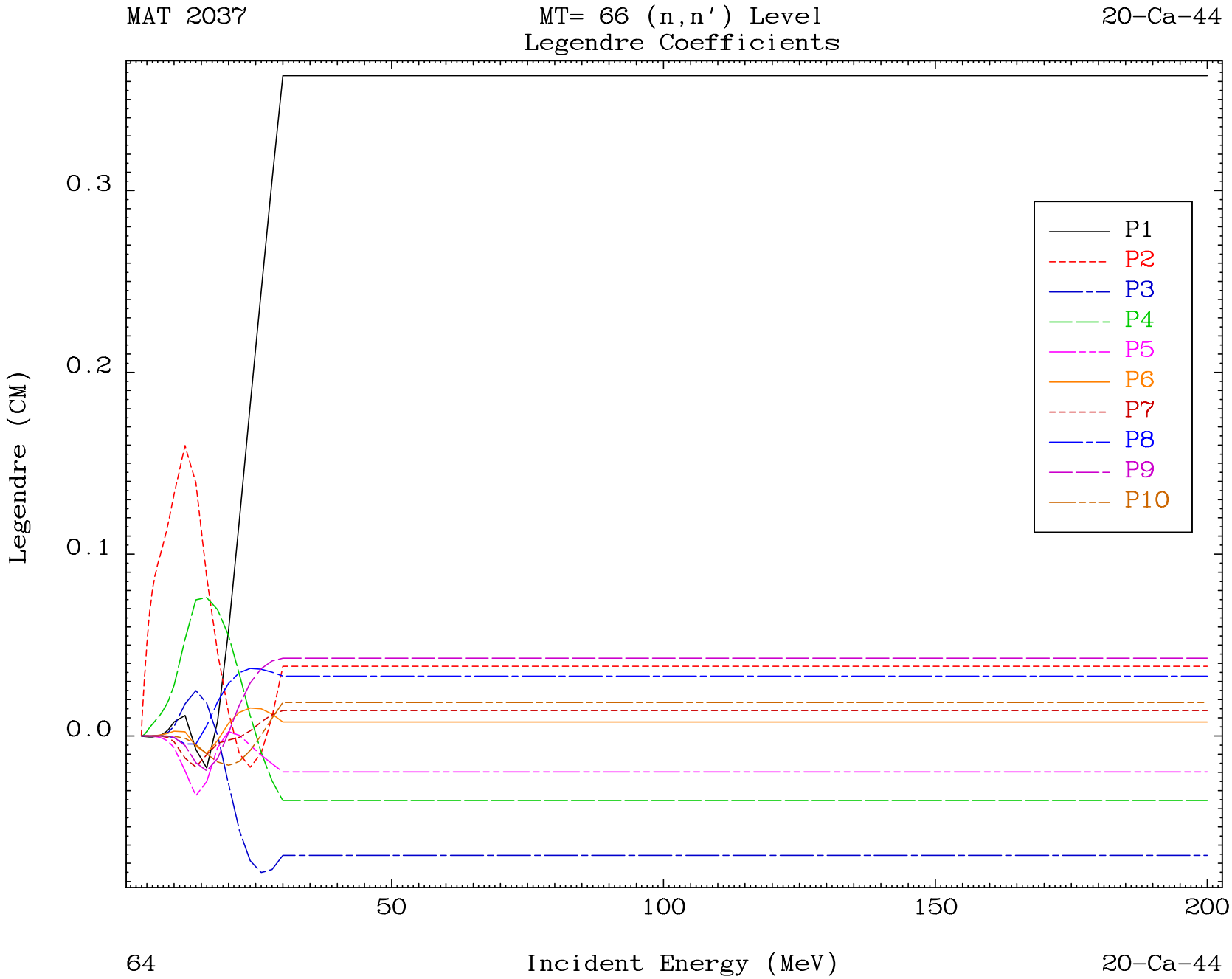

MAT 2037
MT= 64 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-4
5
4
3
2
1
0
-1
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
59
Incident Energy (MeV)
20-Ca-44

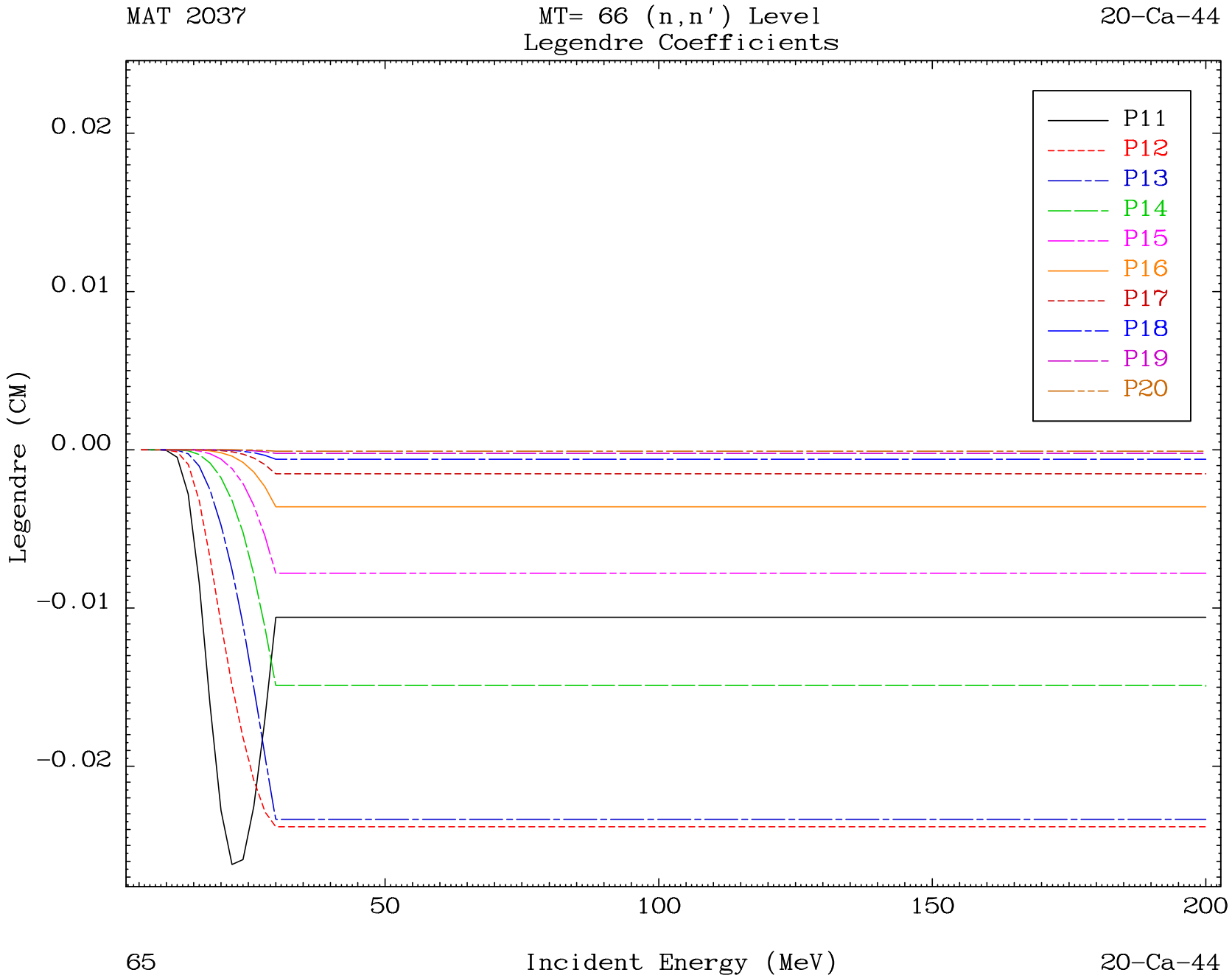

MAT 2037
MT= 64 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
20-Ca-44
P17
P18
P19
P20
P21
P22
P23
P24

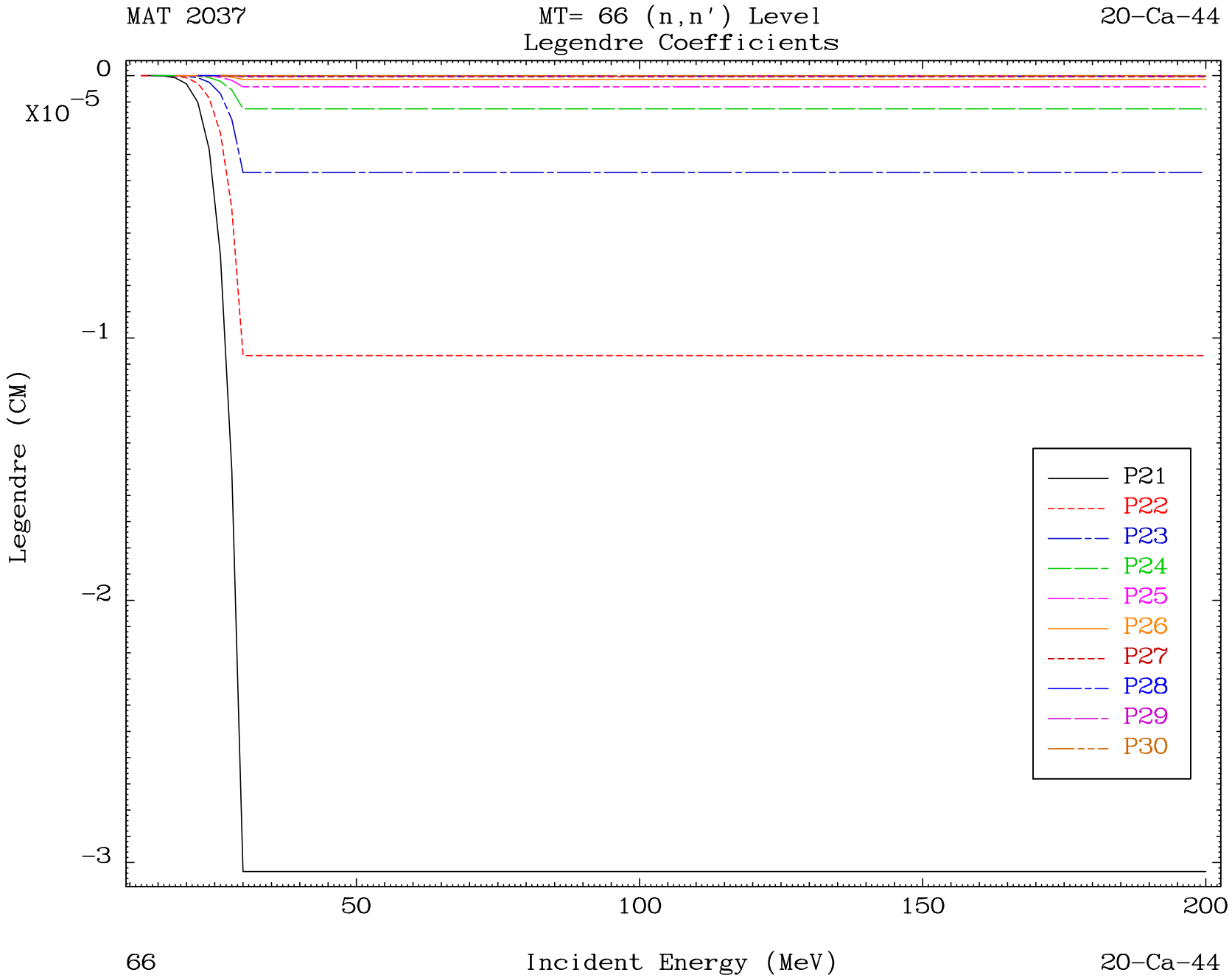

MAT 2037
MT= 65 (n,n') Level
Legendre Coefficients
20-Ca-44
0.15
0.10
0.05
0.00
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
20-Ca-44
P1
P2
P3
P4
P5
P6
P7
P8

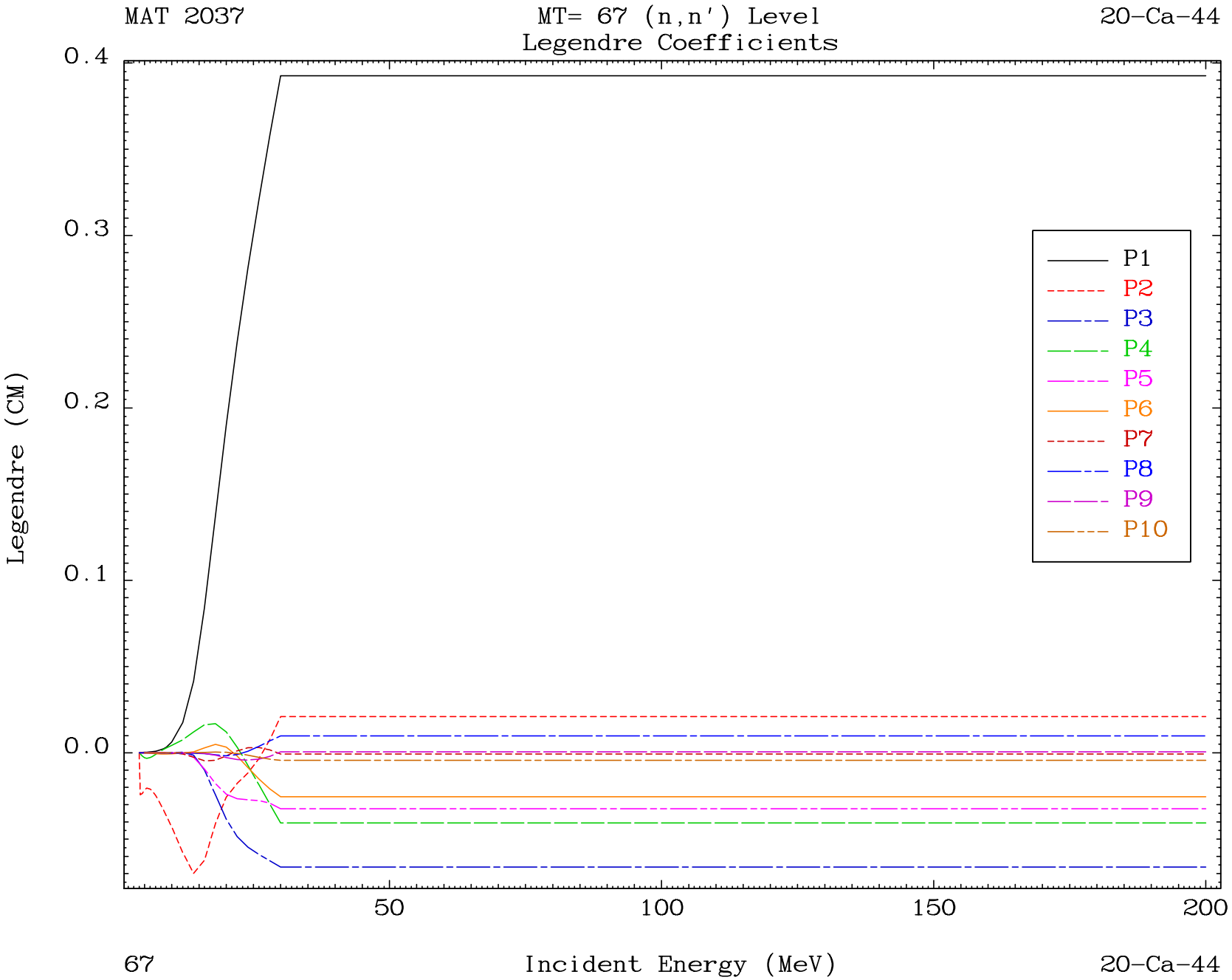

MAT 2037
MT= 65 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
P9
P10
P11
P12
P13
P14
P15
P16
62
Incident Energy (MeV)
20-Ca-44

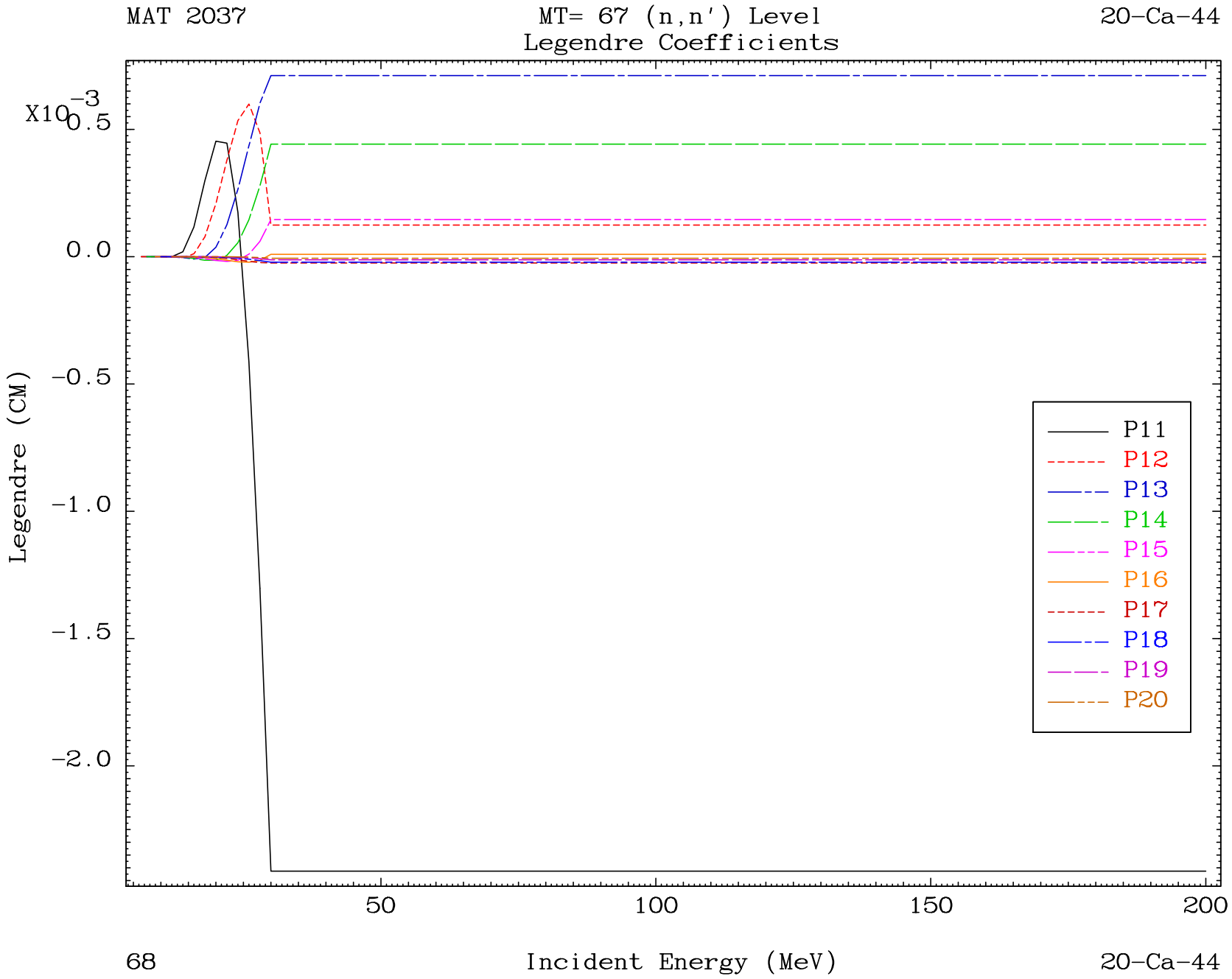

MAT 2037
MT= 65 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
20-Ca-44
P17
P18
P19
P20
P21
P22
P23
P24

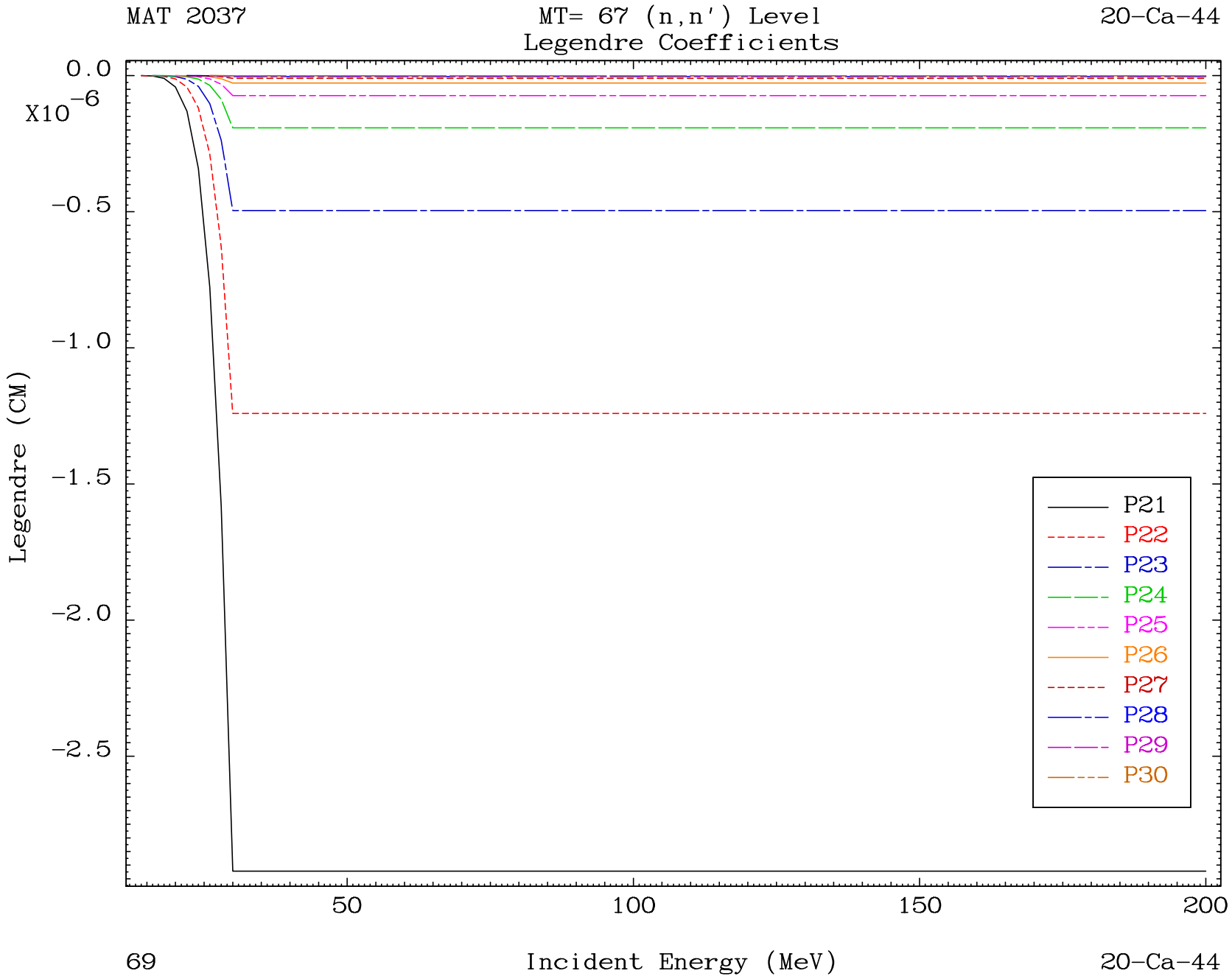

MAT 2037
MT= 66 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
64
Incident Energy (MeV)
20-Ca-44

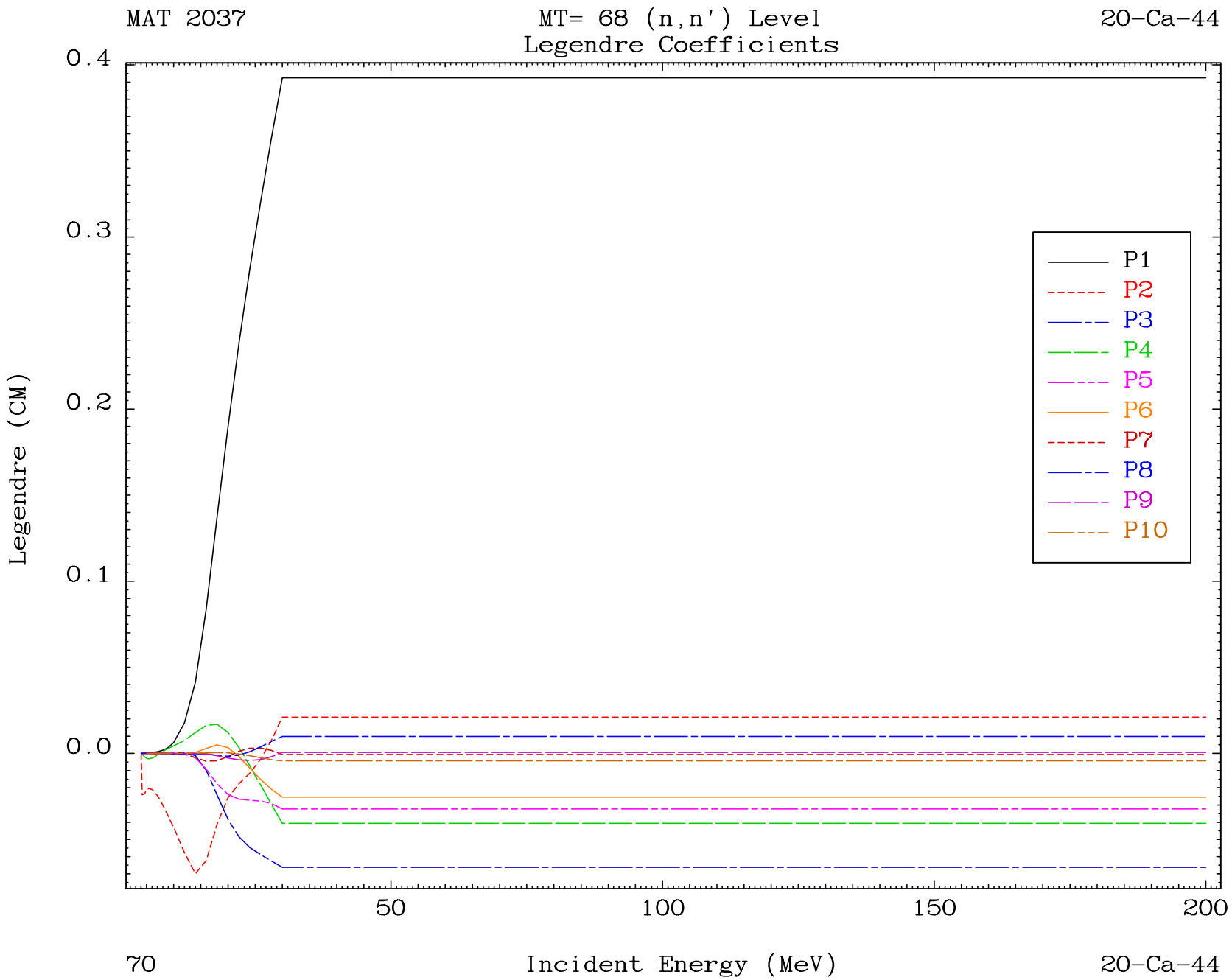

MAT 2037
MT= 66 (n,n') Level
Legendre Coefficients
20-Ca-44
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
65
Incident Energy (MeV)
20-Ca-44

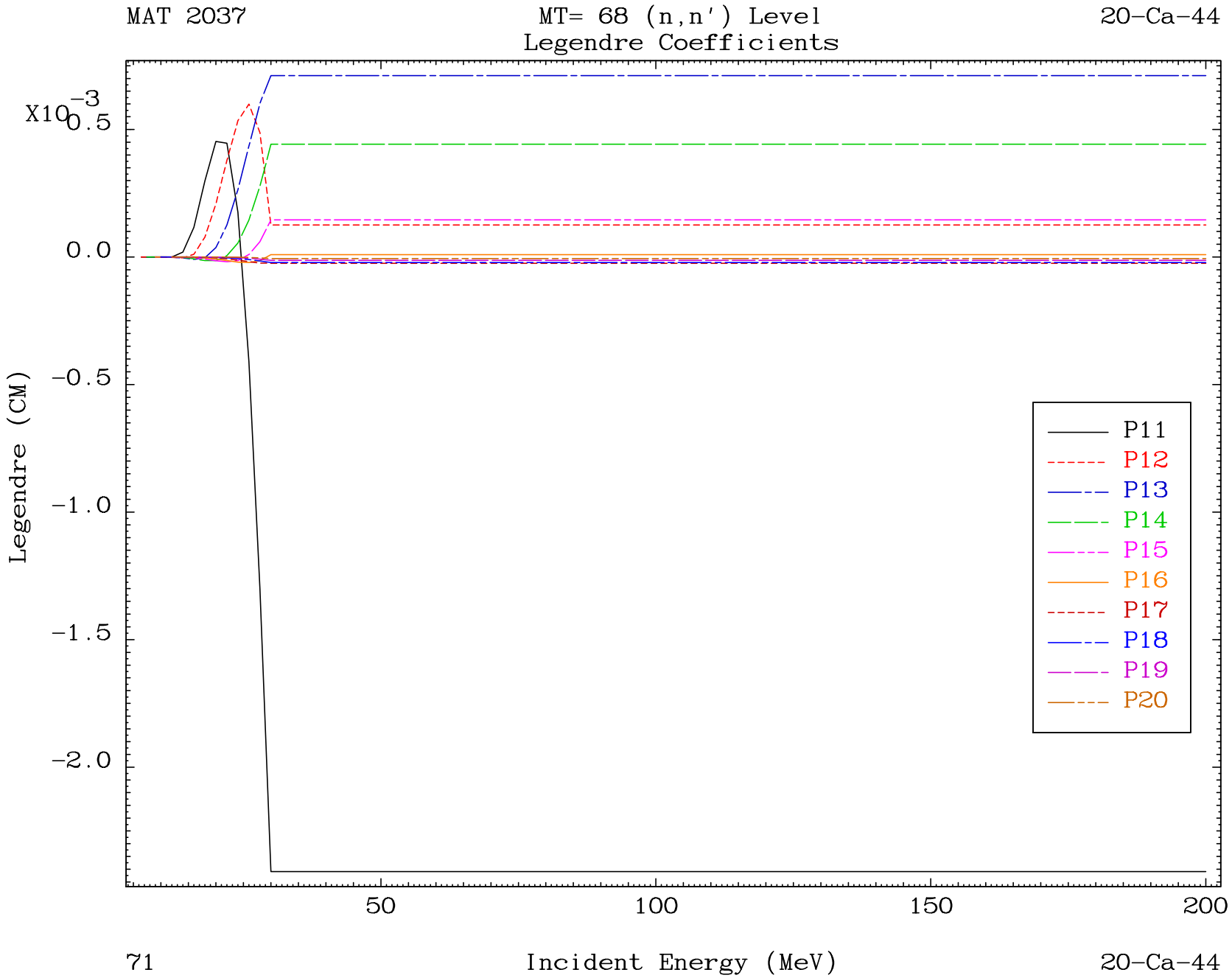

MAT 2037
MT= 66 (n,n') Level
Legendre Coefficients
20-Ca-44
0
X10 −5
−1
−2
−3
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

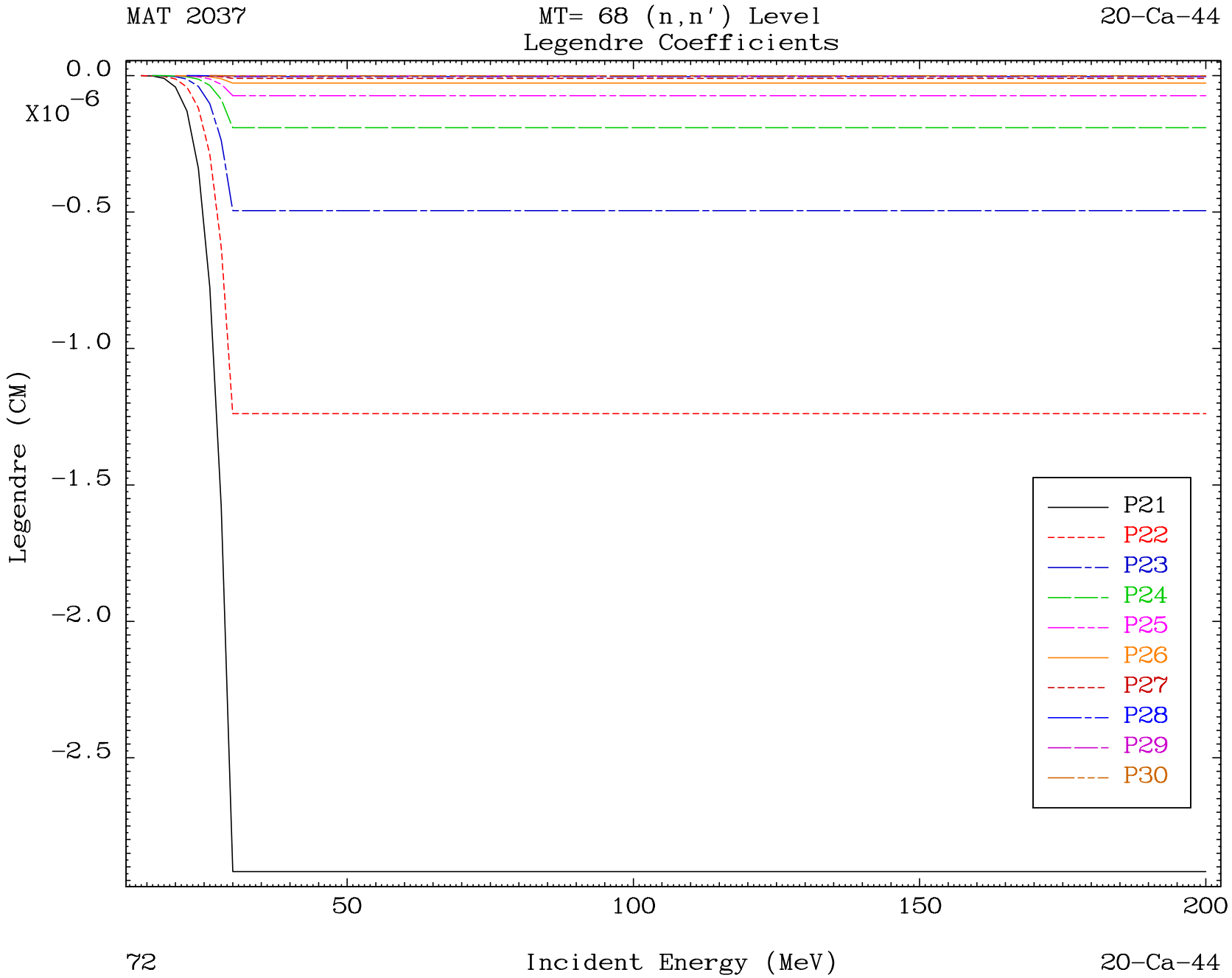

MAT 2037
MT= 67 (n,n') Level
Legendre Coefficients
20-Ca-44
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
67
Incident Energy (MeV)
20-Ca-44

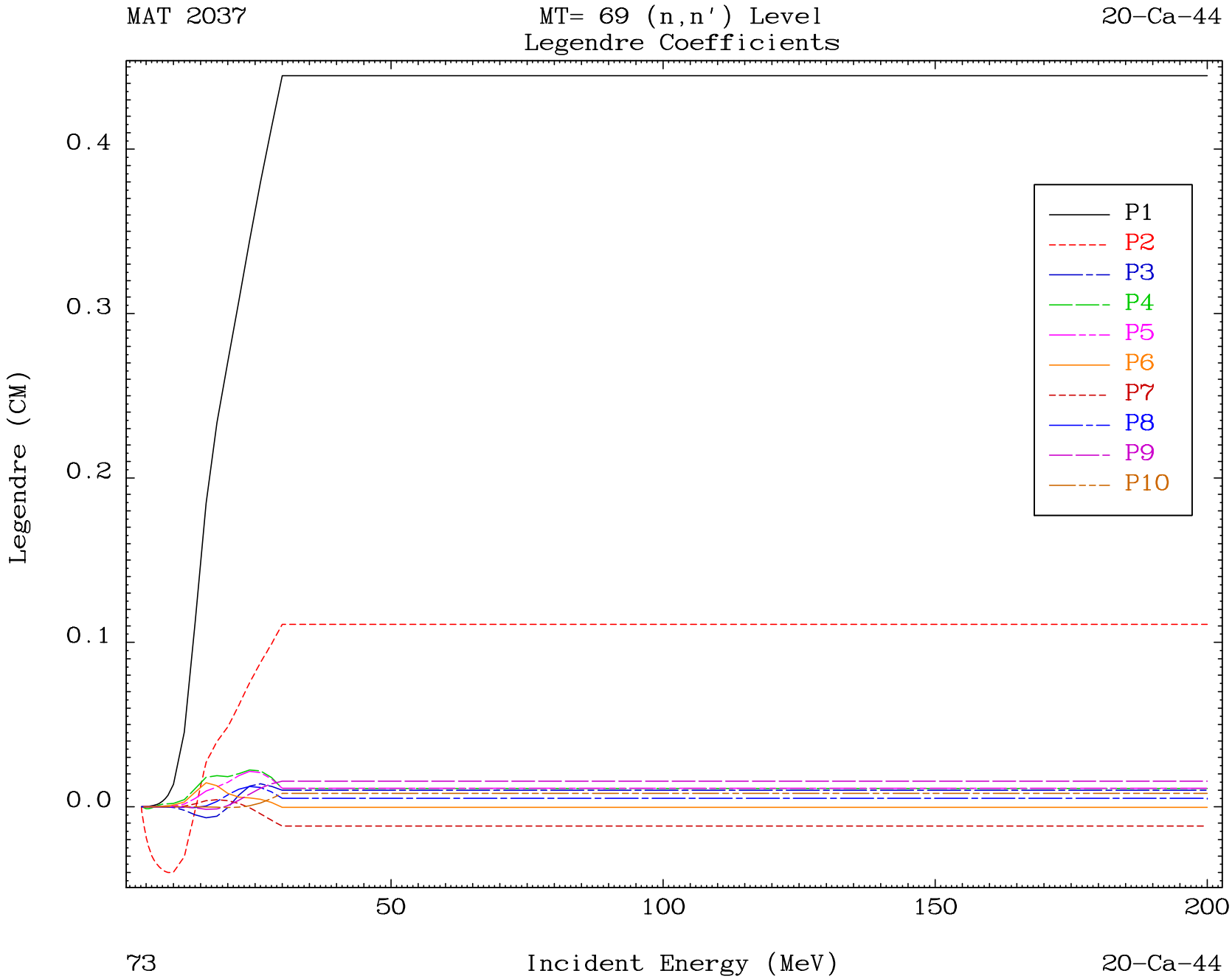

MAT 2037
MT= 67 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

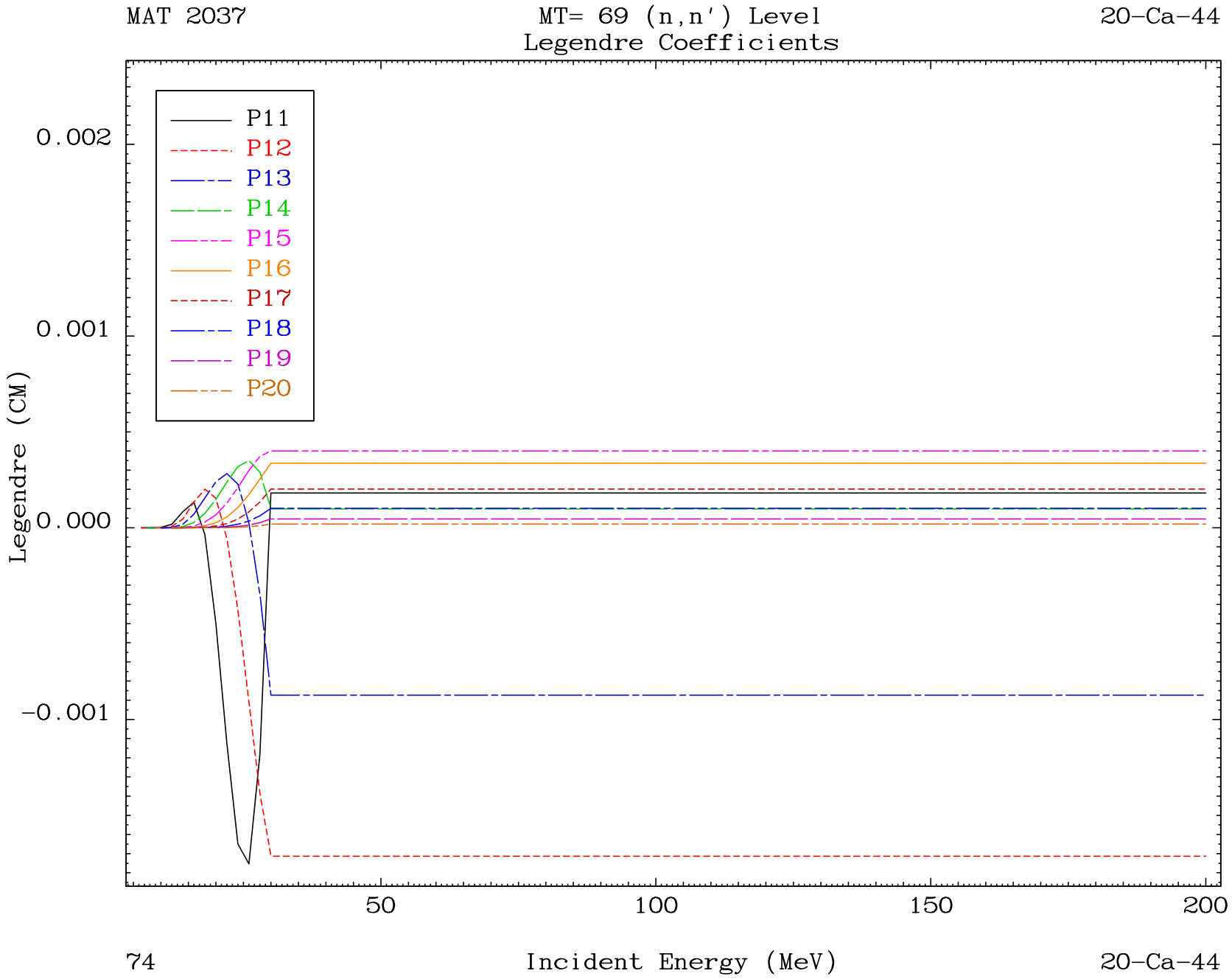

MAT 2037
MT= 67 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

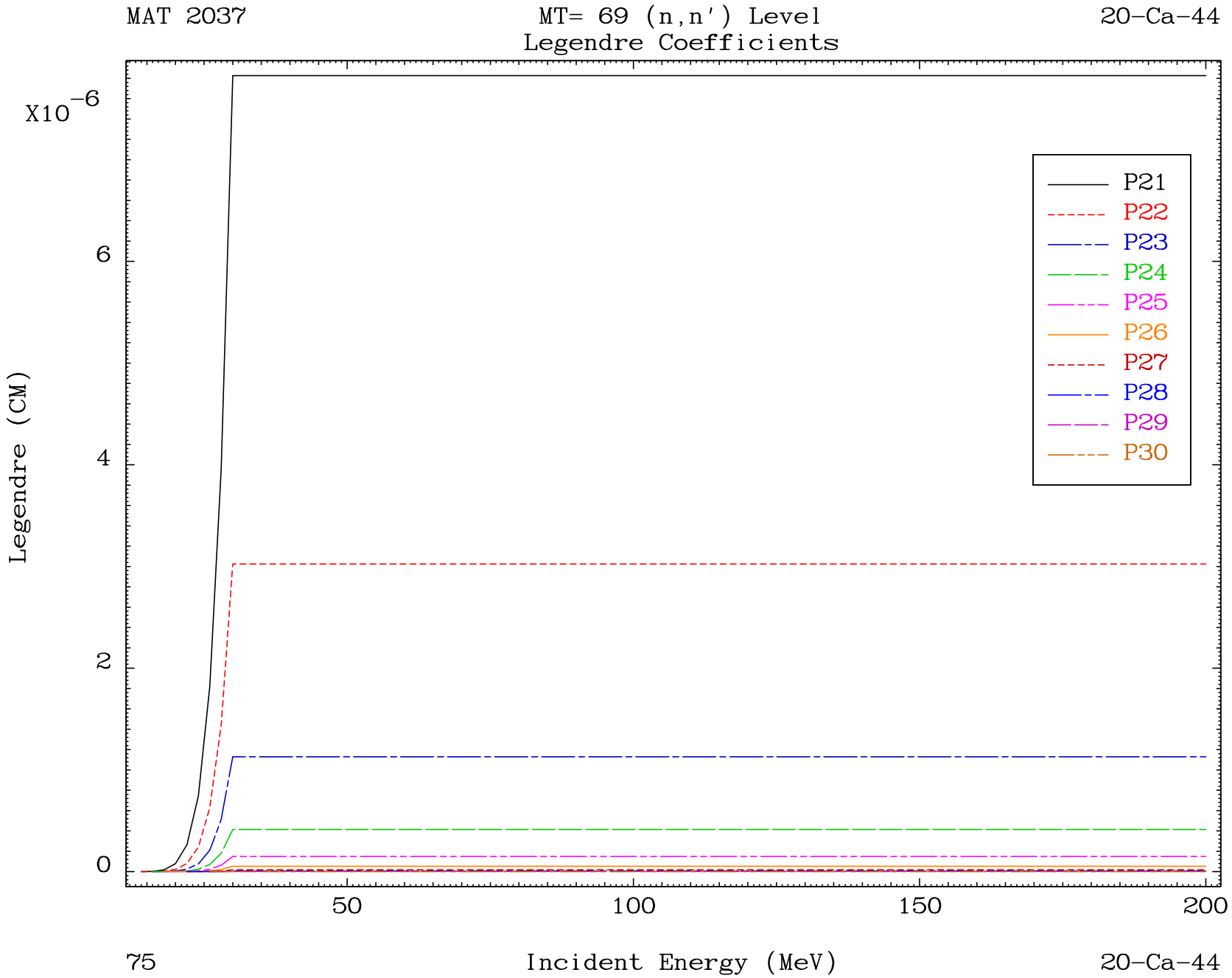

MAT 2037
MT= 68 (n,n') Level
Legendre Coefficients
20-Ca-44
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
70
Incident Energy (MeV)
20-Ca-44

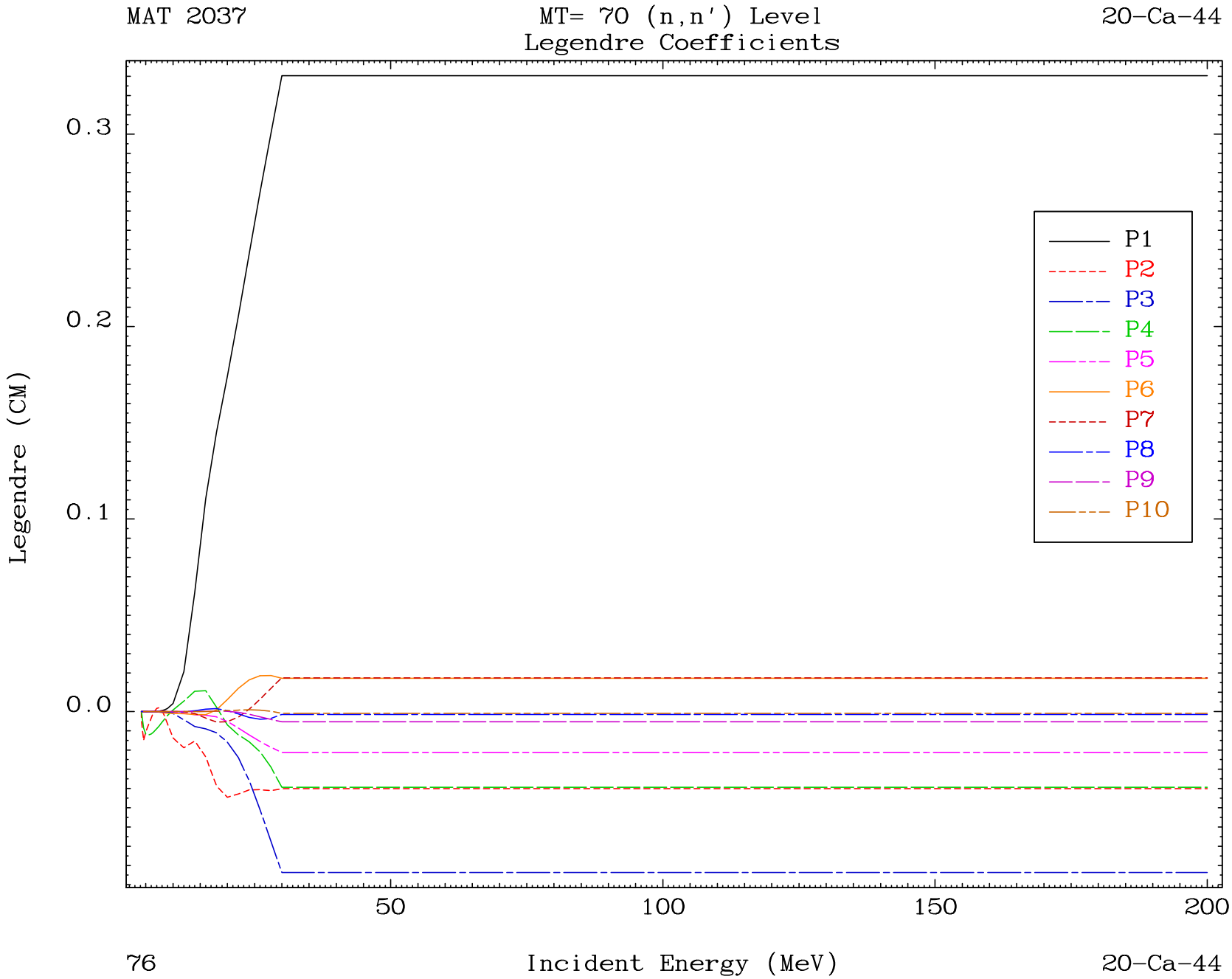

MAT 2037
MT= 68 (n,n') Level
Legendre Coefficients
20-Ca-44
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

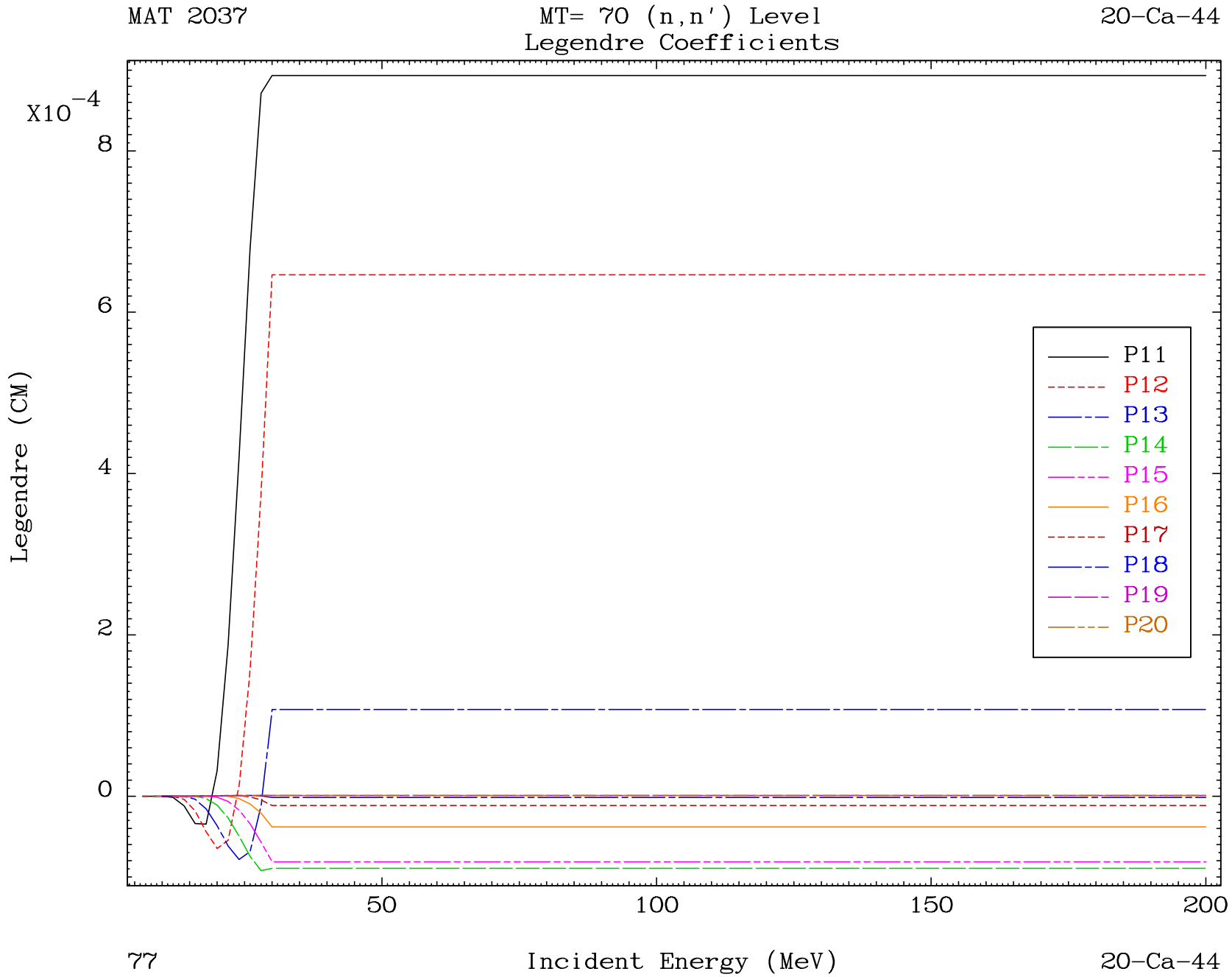

MAT 2037
MT= 68 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

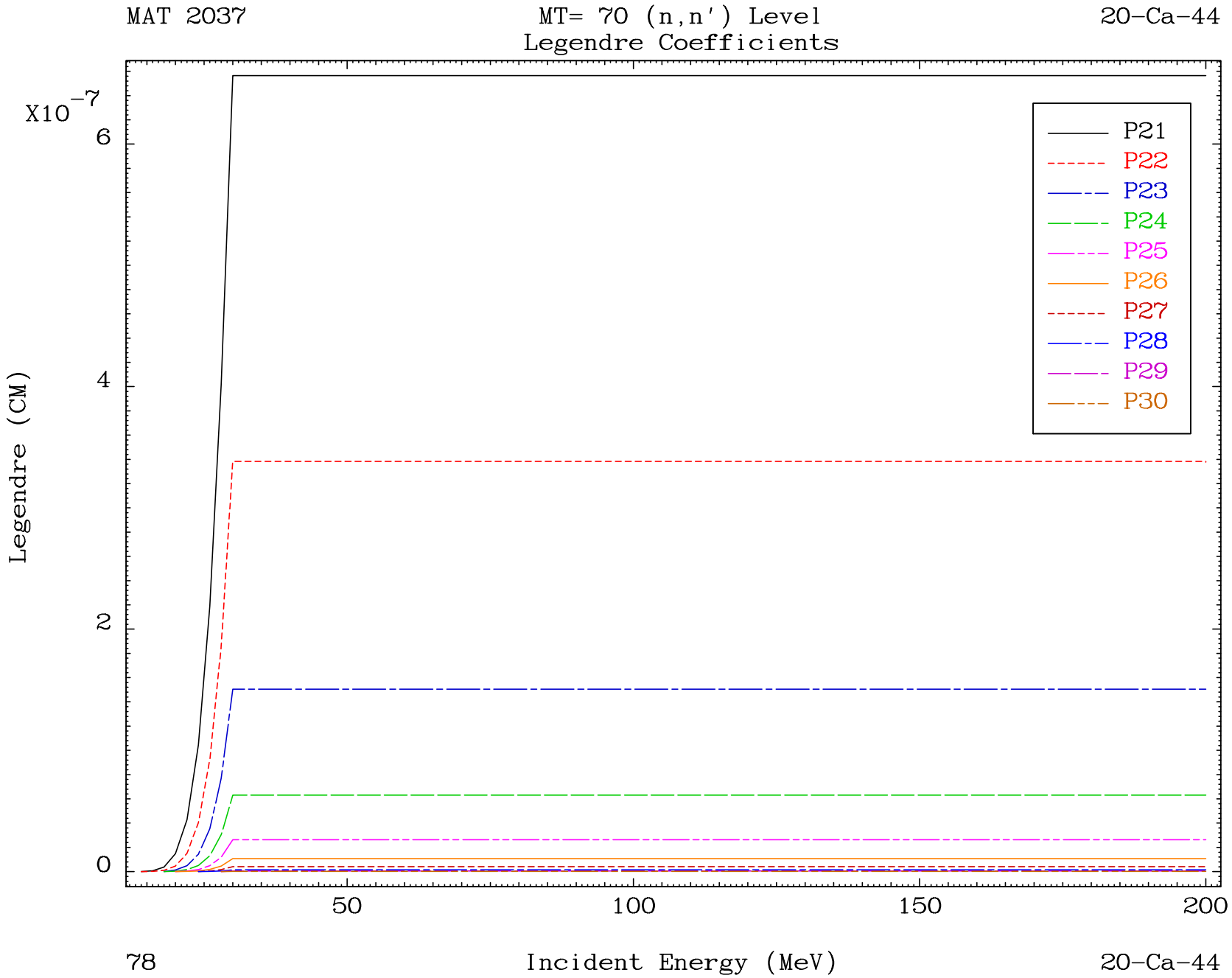

MAT 2037
MT= 69 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
Incident Energy (MeV)
73
20-Ca-44
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

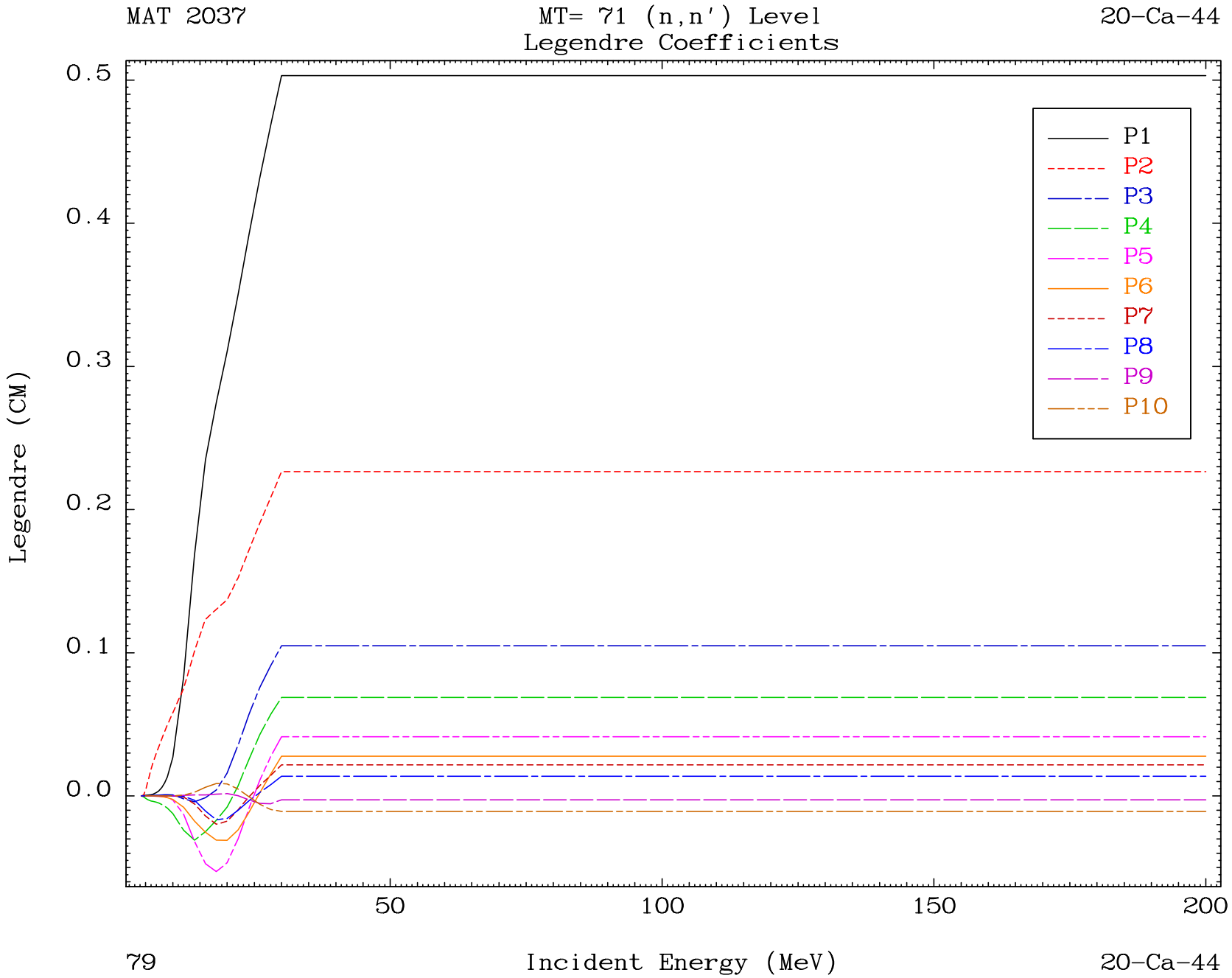

MAT 2037
MT= 69 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
20-Ca-44

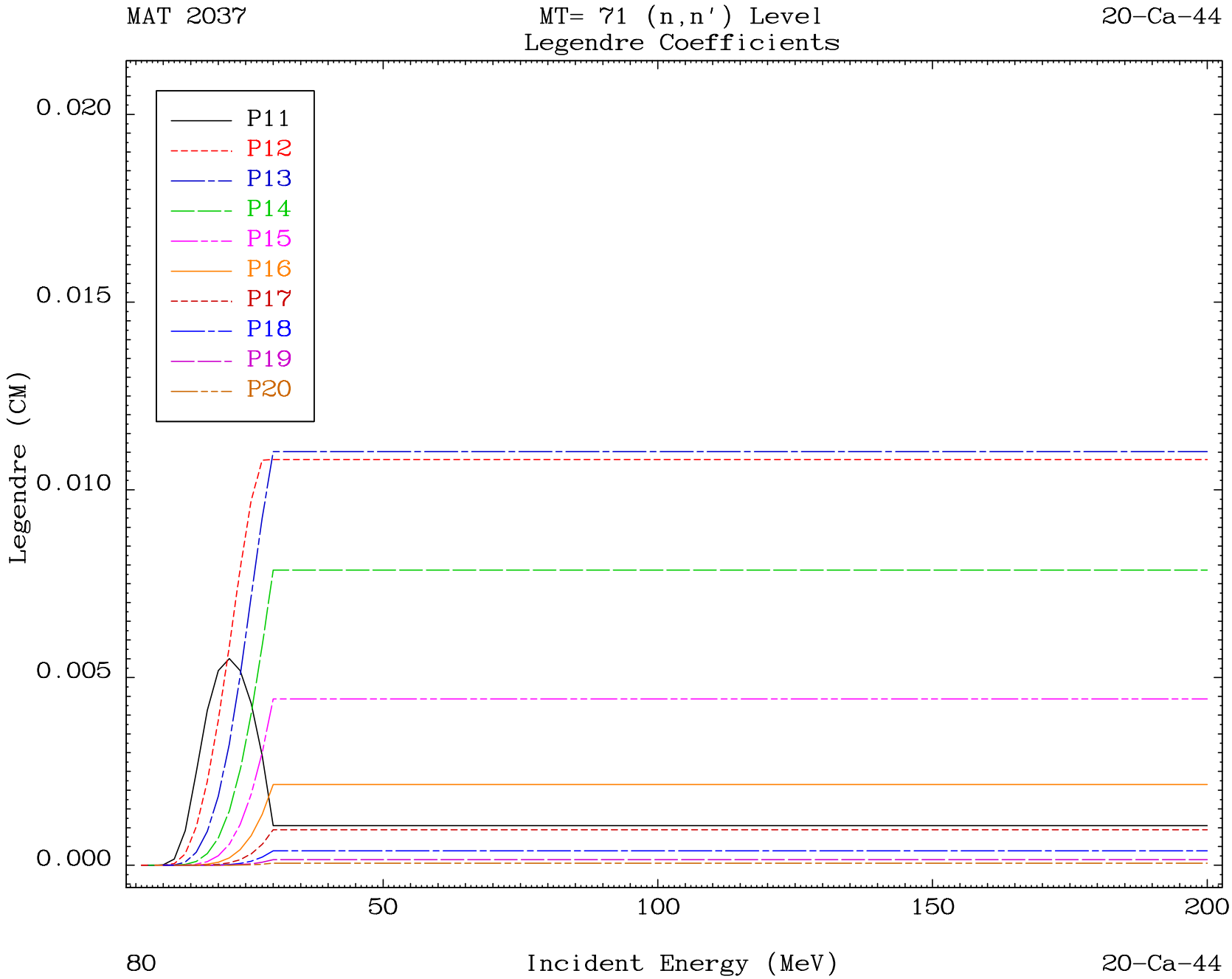

MAT 2037
MT= 69 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-6
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
75
Incident Energy (MeV)
20-Ca-44

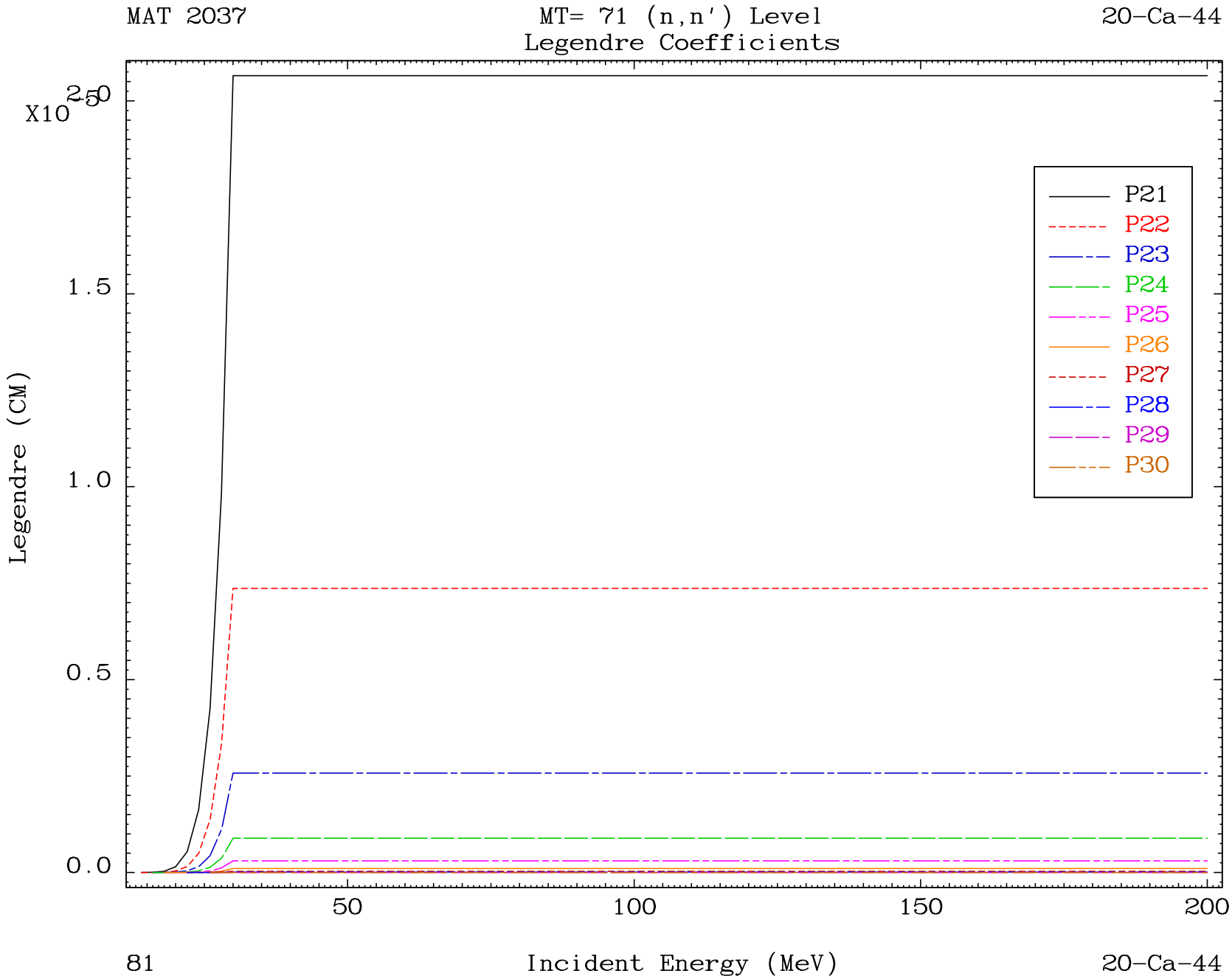

MAT 2037
MT= 70 (n,n') Level
Legendre Coefficients
20-Ca-44
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
76
Incident Energy (MeV)
20-Ca-44

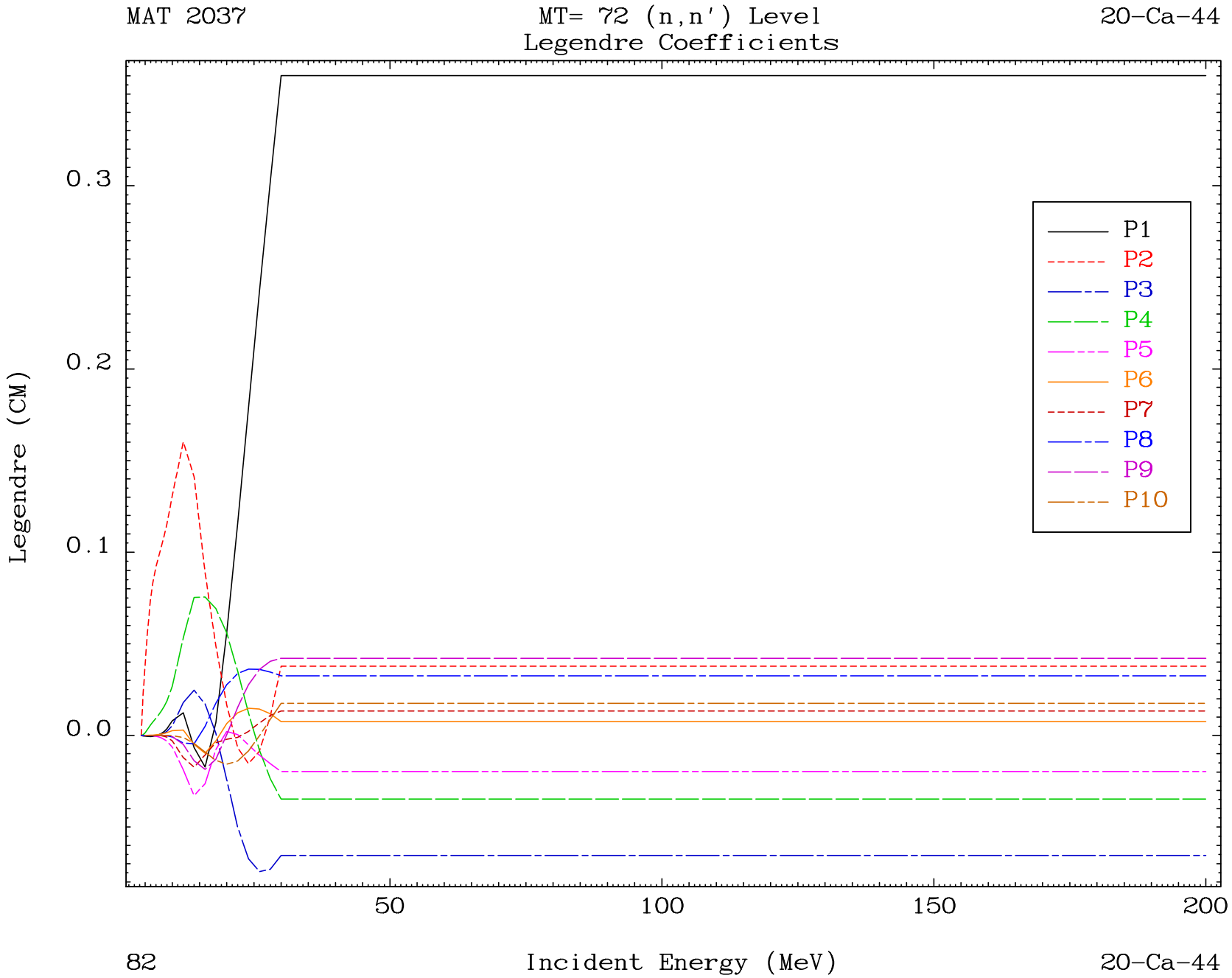

MAT 2037
MT= 70 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-4
8
6
4
2
0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
77
Incident Energy (MeV)
20-Ca-44

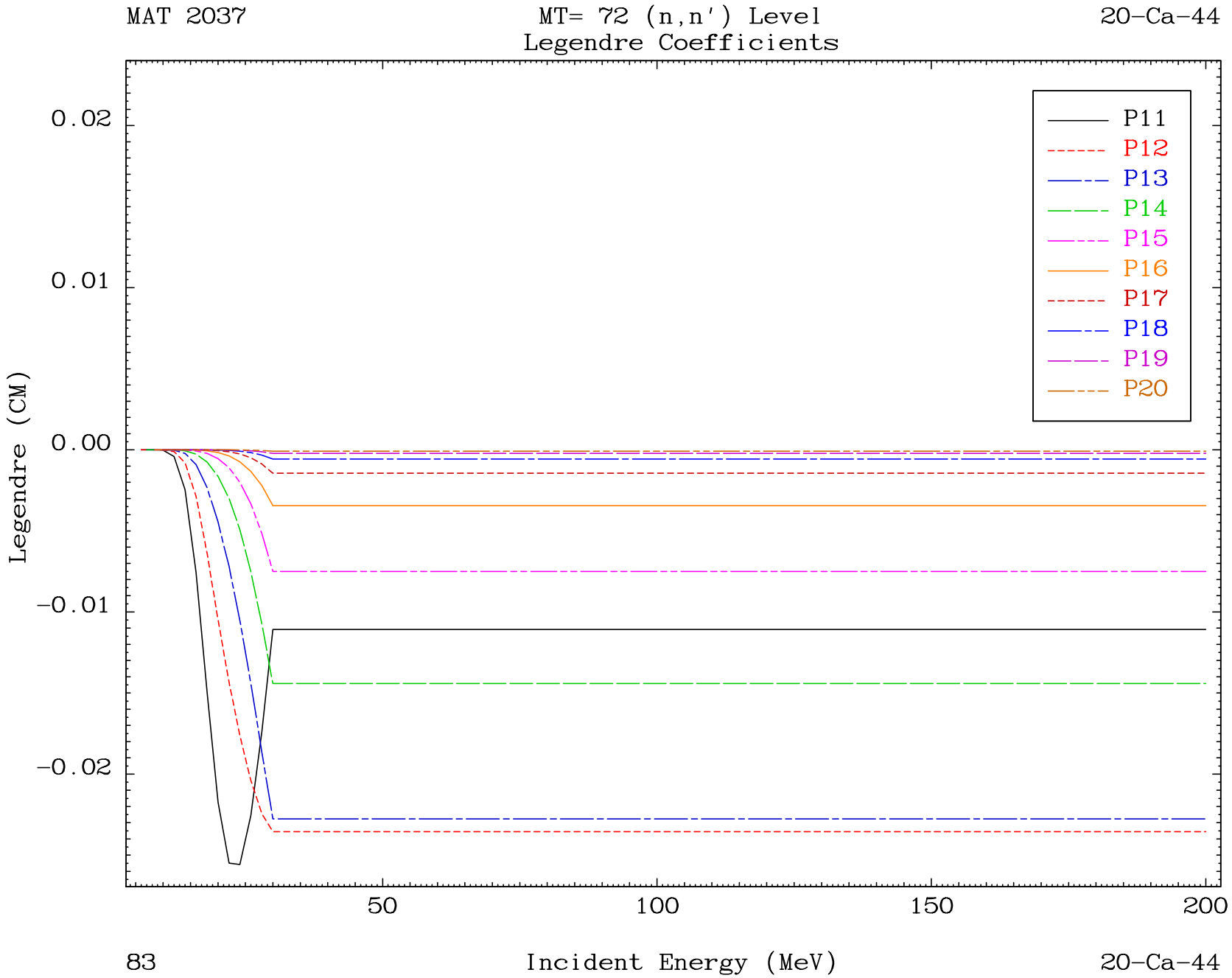

MAT 2037
MT= 70 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-7
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
78
Incident Energy (MeV)
20-Ca-44

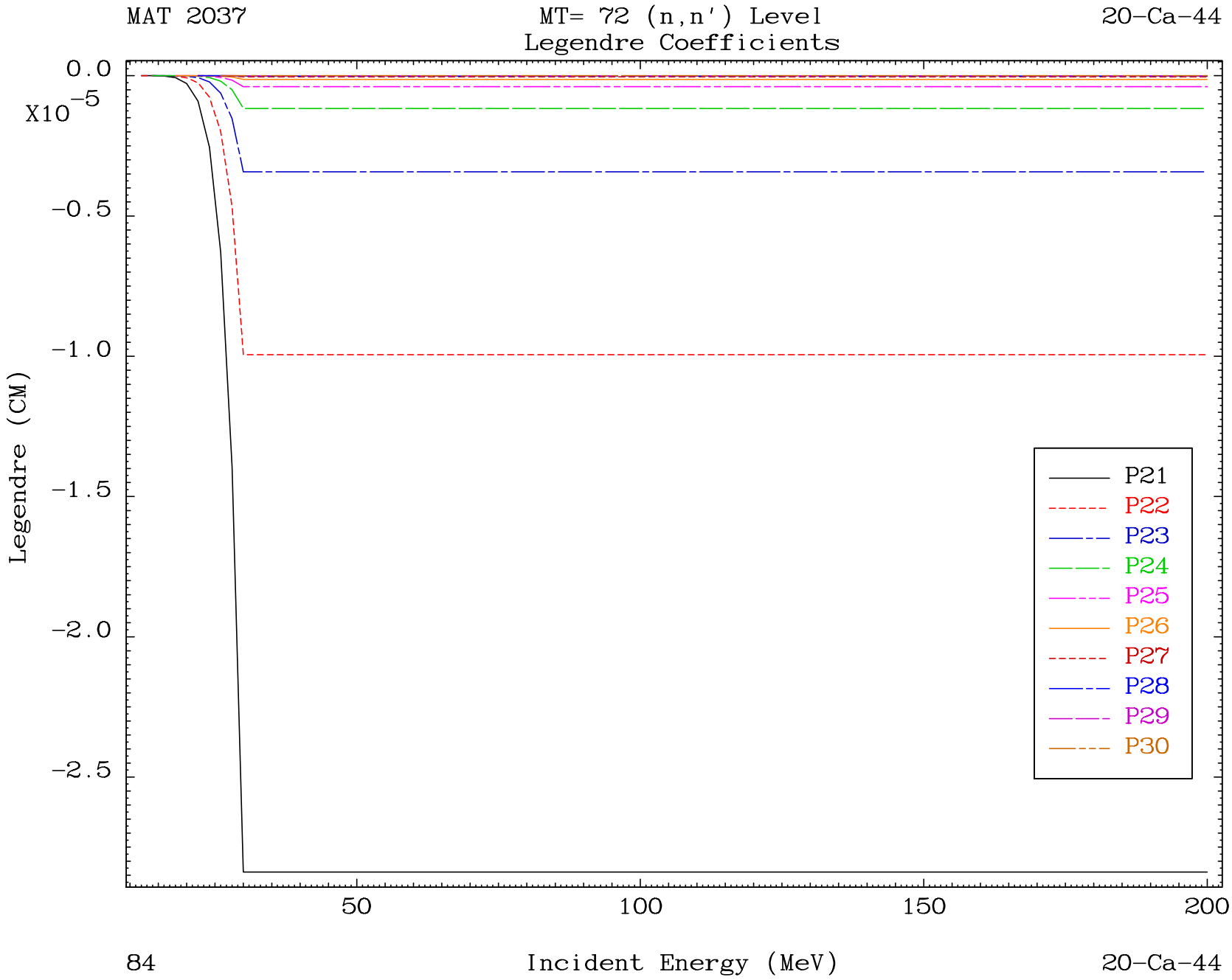

MAT 2037
MT= 71 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
79
Incident Energy (MeV)
20-Ca-44

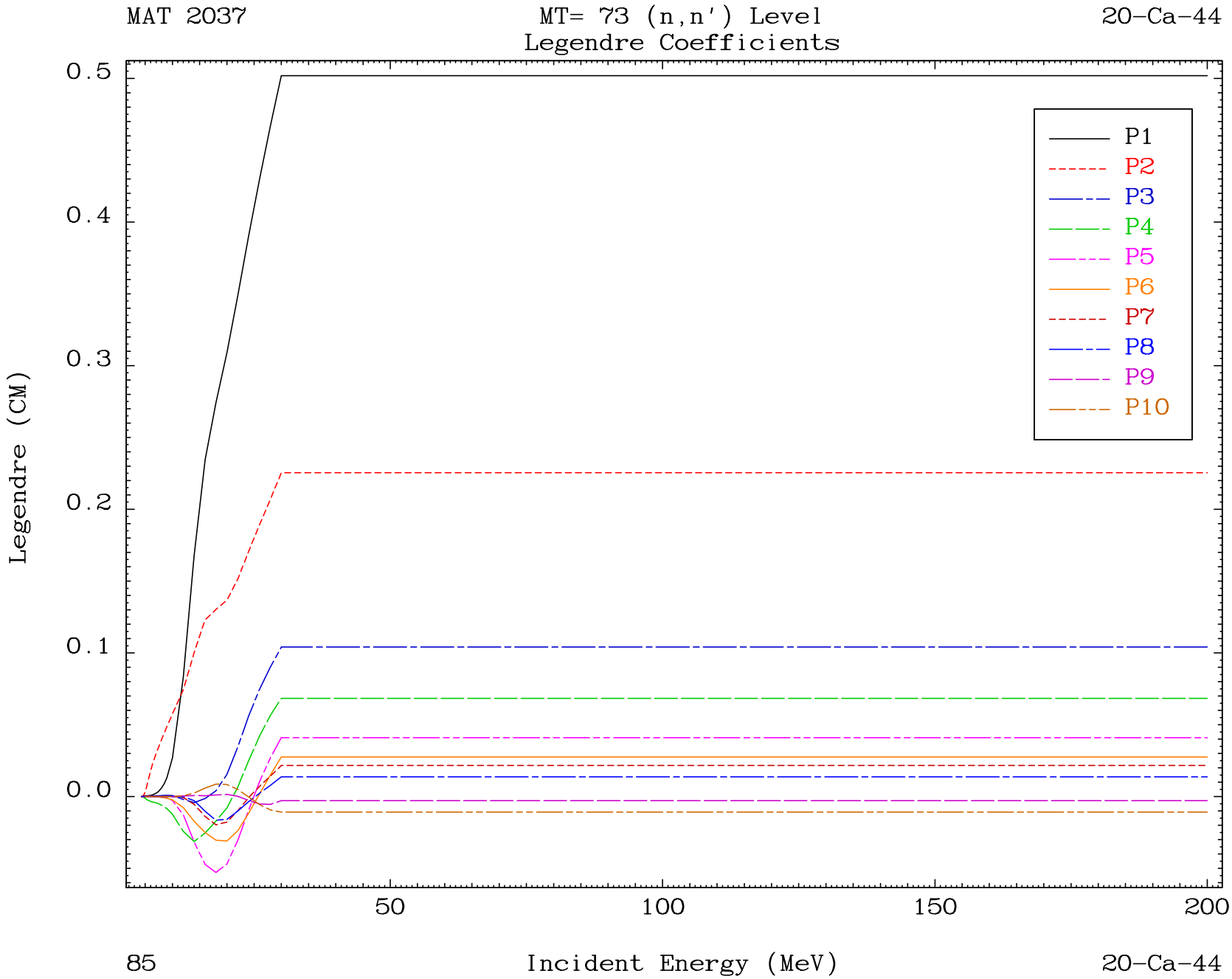

MAT 2037
MT= 71 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
20-Ca-44

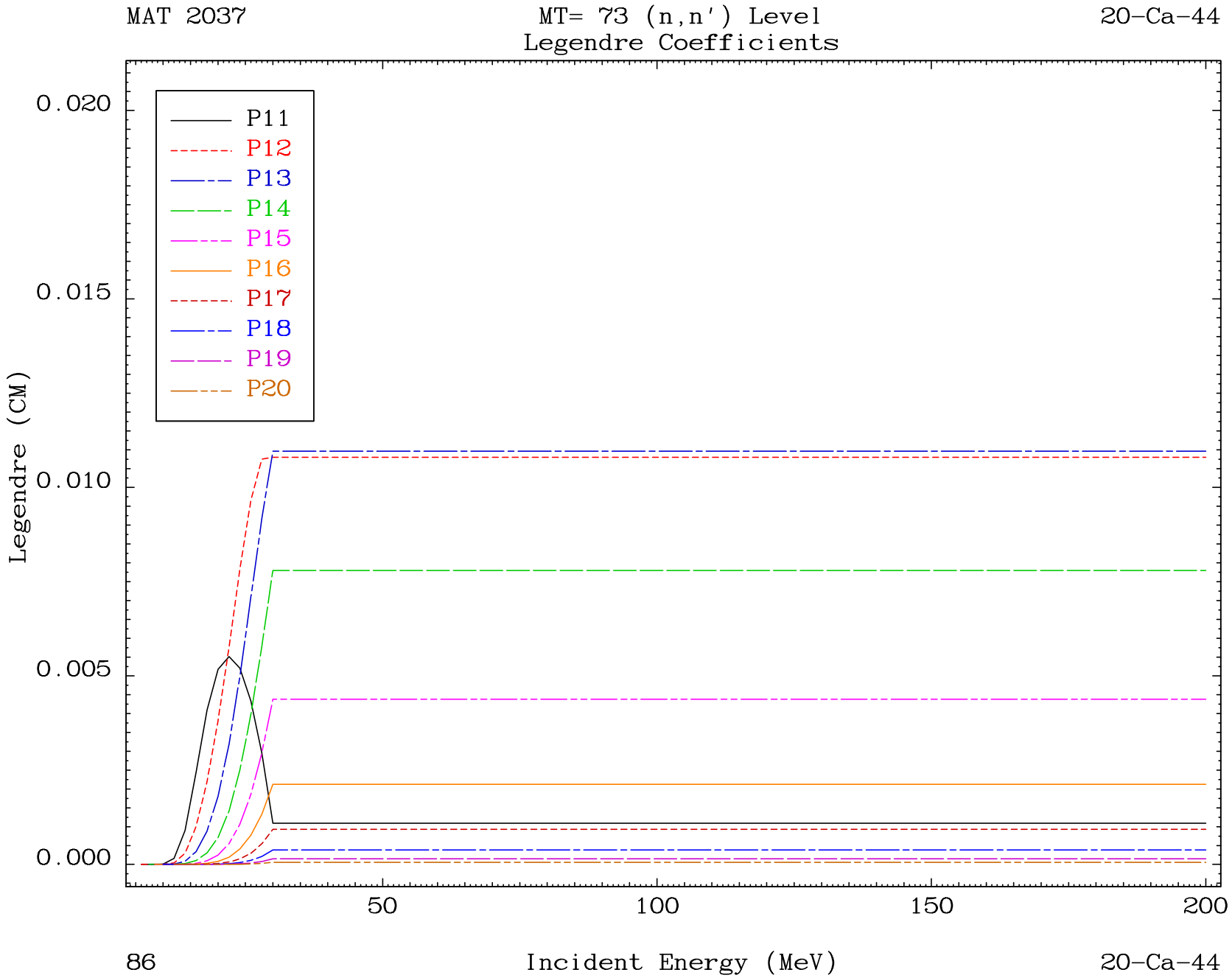

MAT 2037
MT= 71 (n,n') Level
Legendre Coefficients
20-Ca-44
X10^-2
2.5
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
81
Incident Energy (MeV)
20-Ca-44

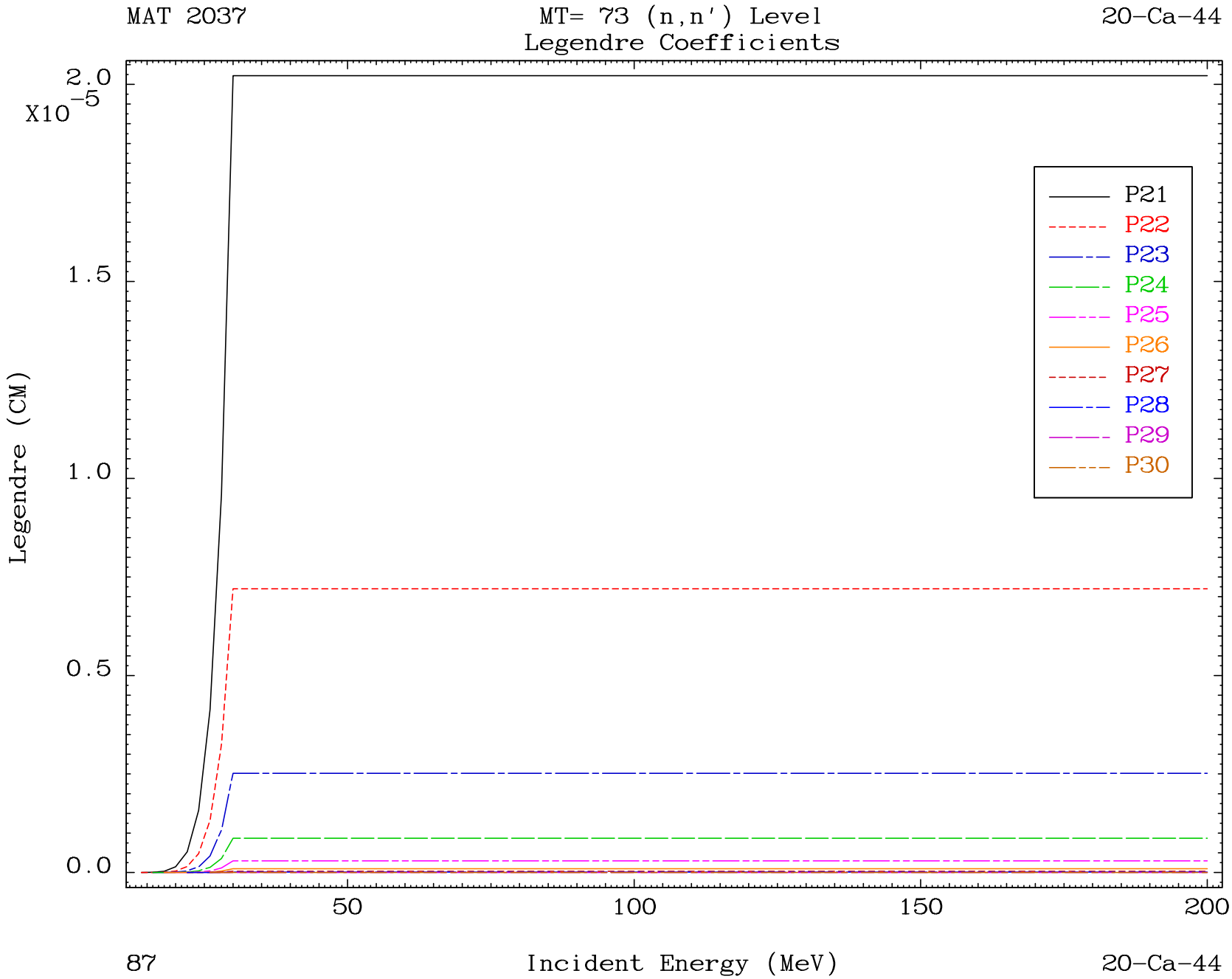

MAT 2037
MT= 72 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
82
Incident Energy (MeV)
20-Ca-44

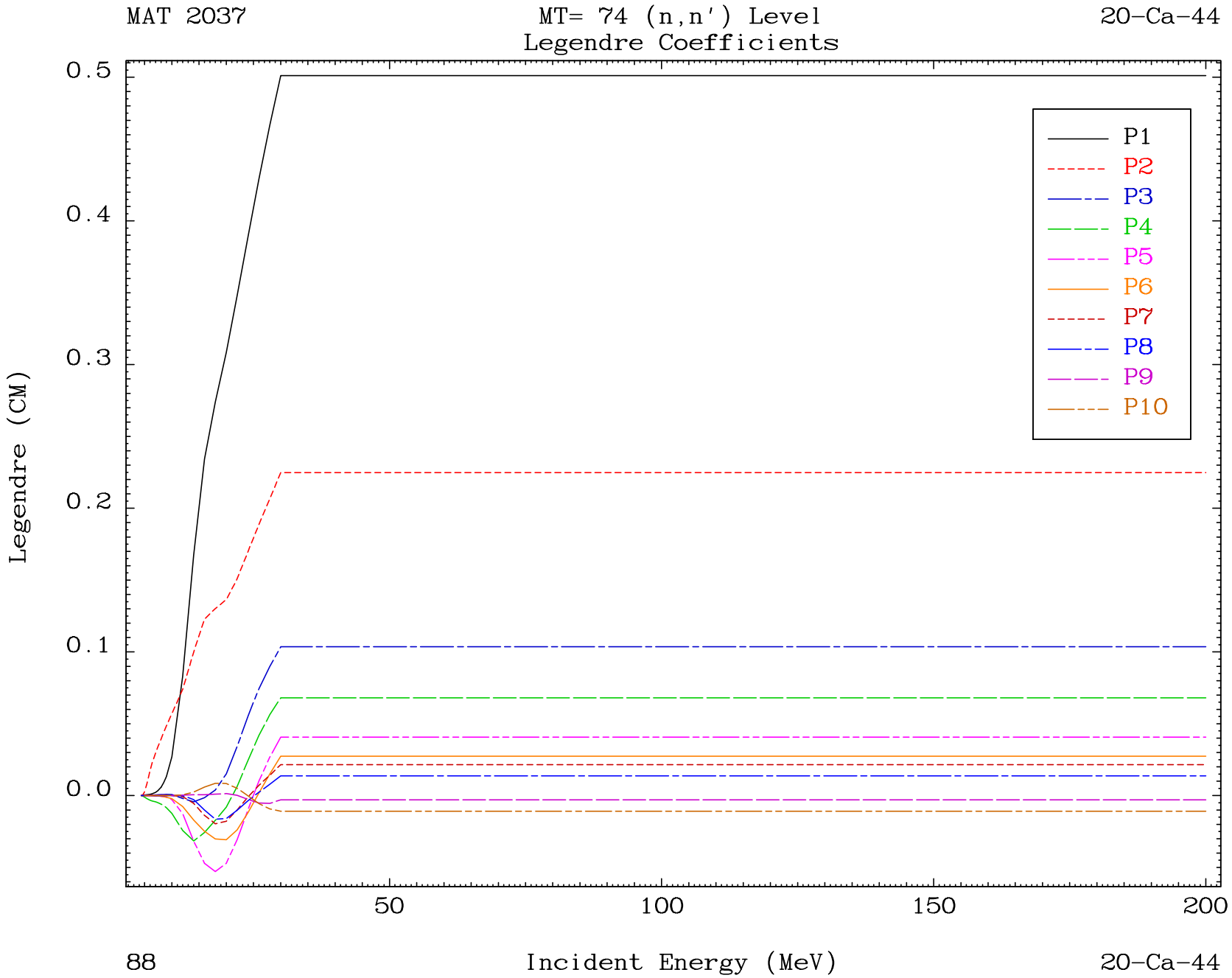

MAT 2037
MT= 72 (n,n') Level
Legendre Coefficients
20-Ca-44
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
83
Incident Energy (MeV)
20-Ca-44

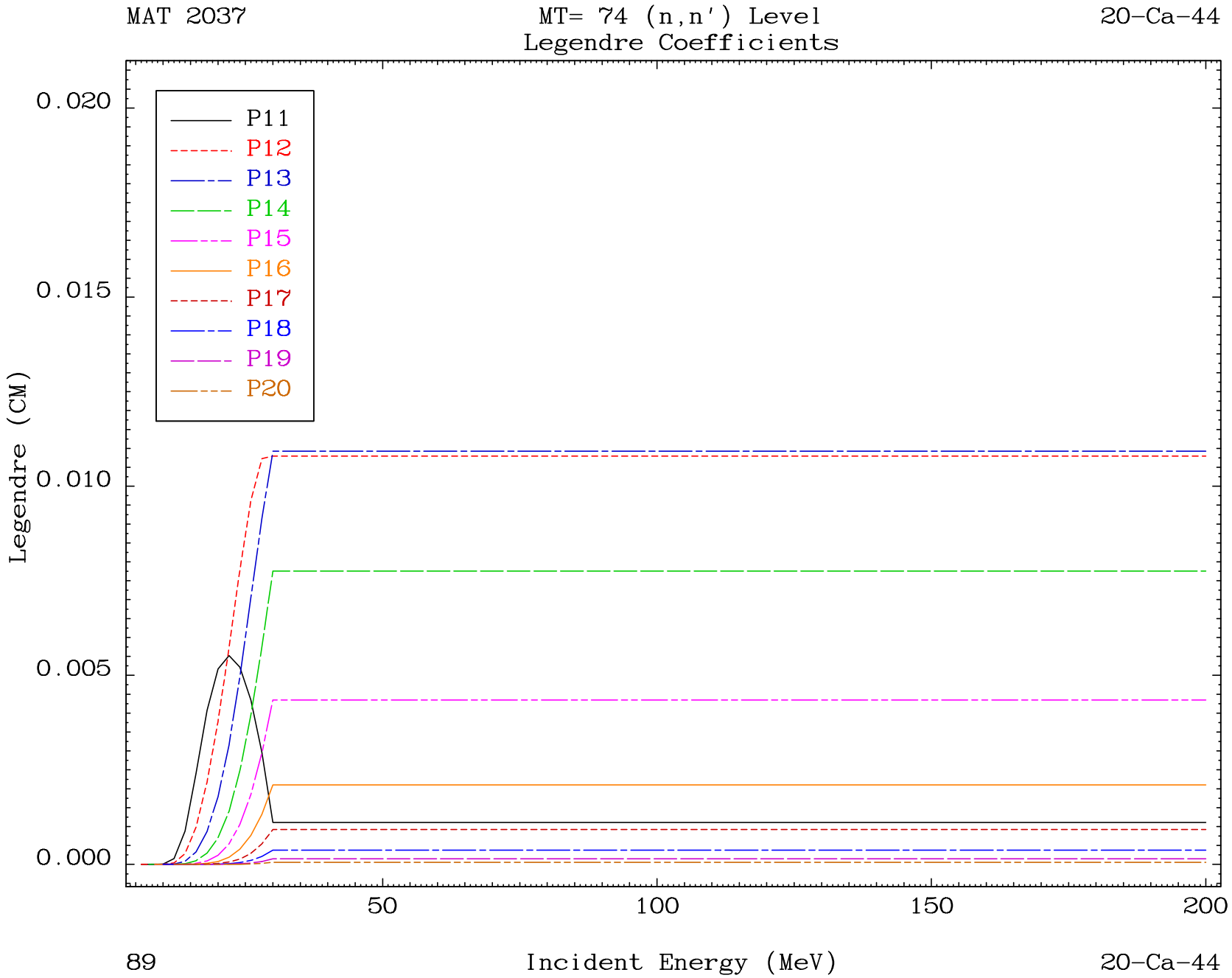

MAT 2037
MT= 72 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

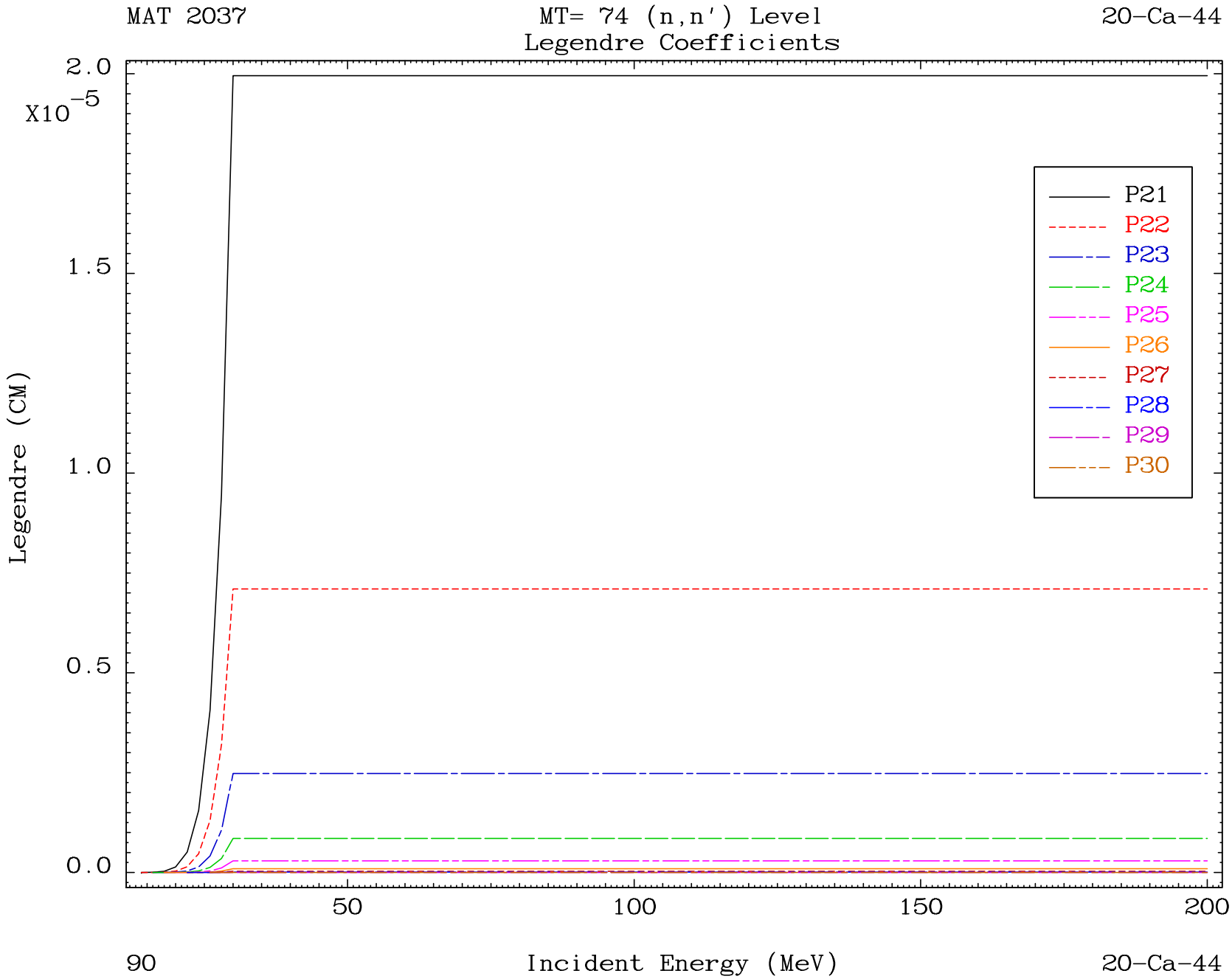

MAT 2037
MT= 73 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
85
Incident Energy (MeV)
20-Ca-44

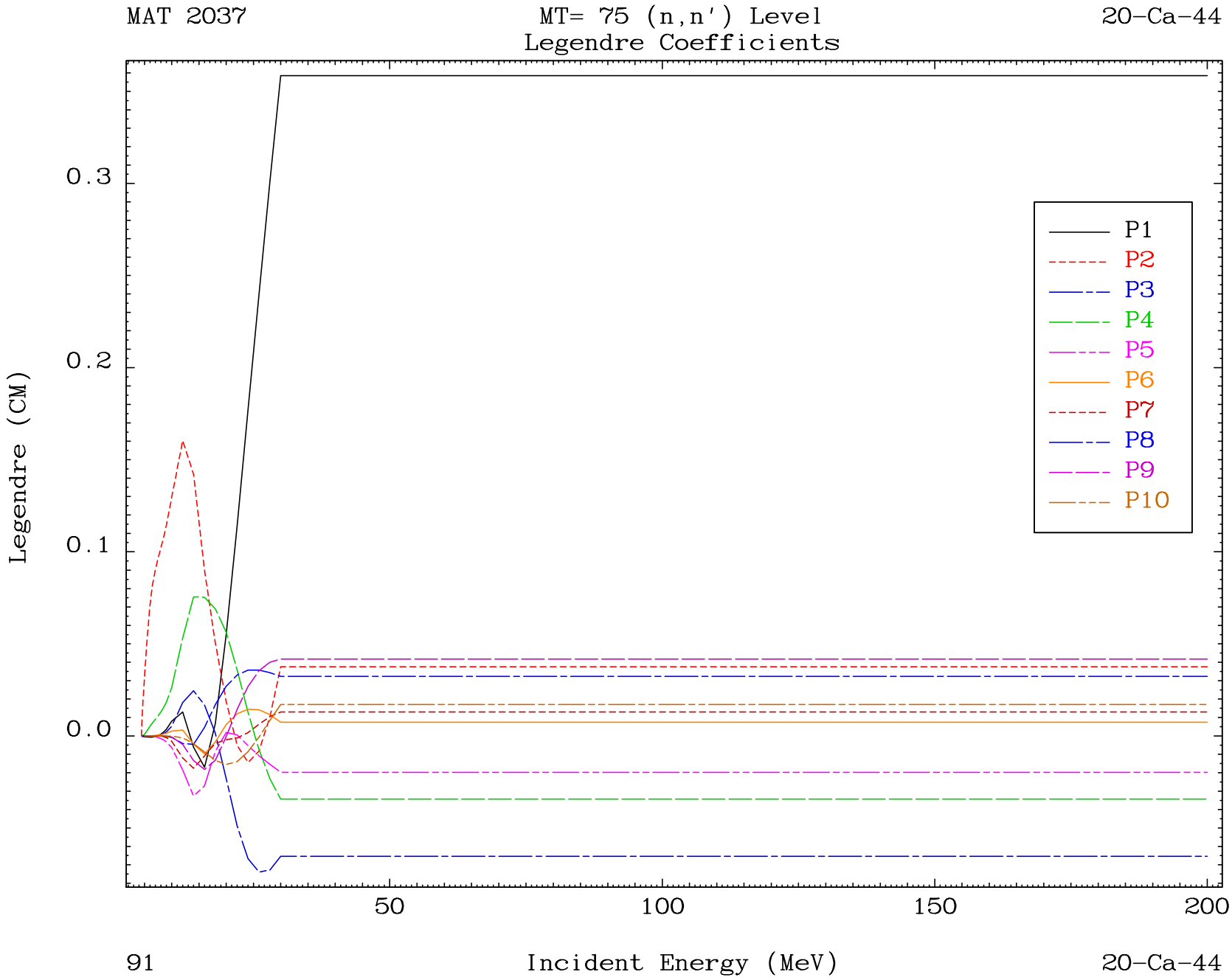

MAT 2037
MT= 73 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
86
Incident Energy (MeV)
20-Ca-44

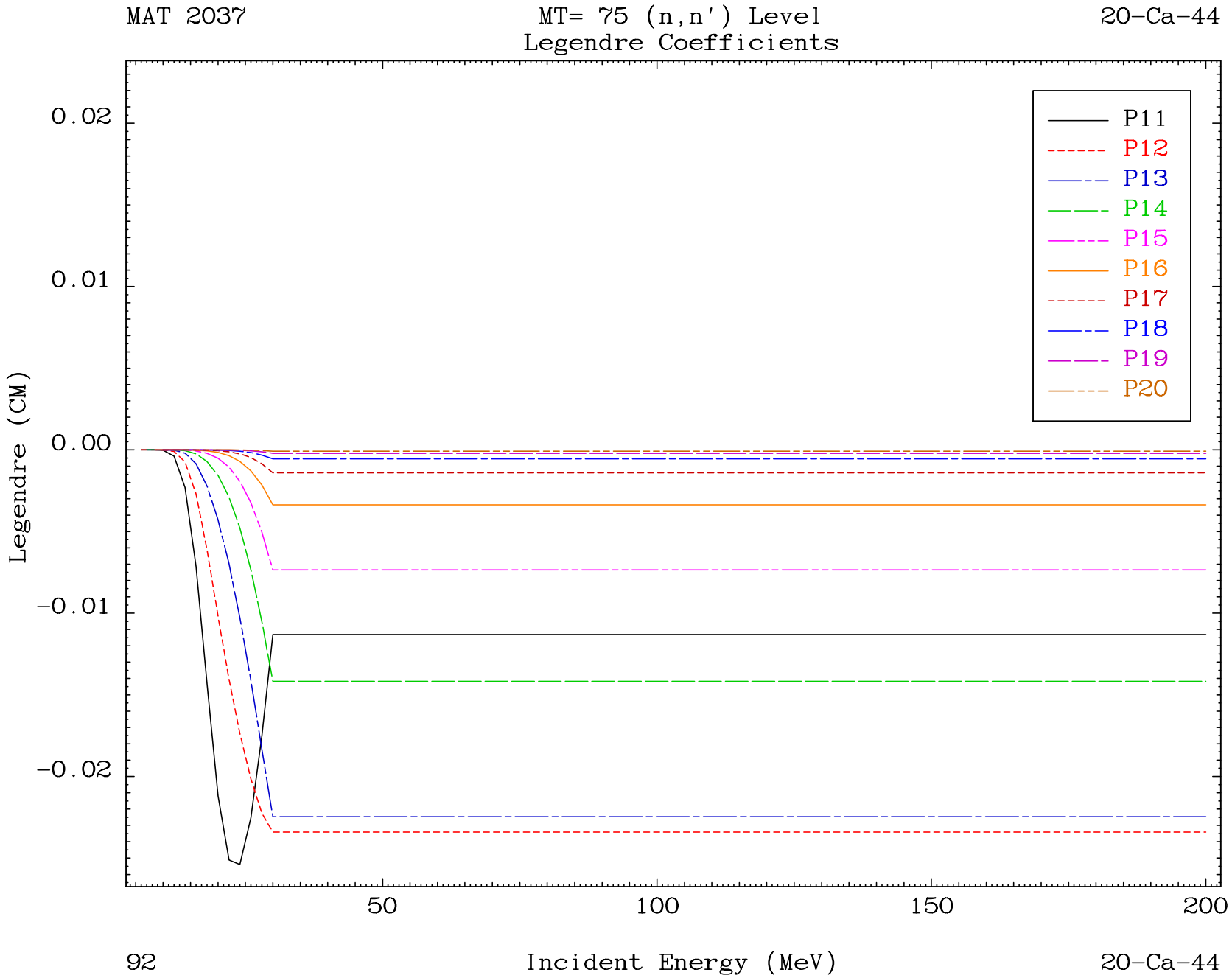

MAT 2037
MT= 73 (n,n') Level
Legendre Coefficients
20-Ca-44
X10 -5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
87
Incident Energy (MeV)
20-Ca-44

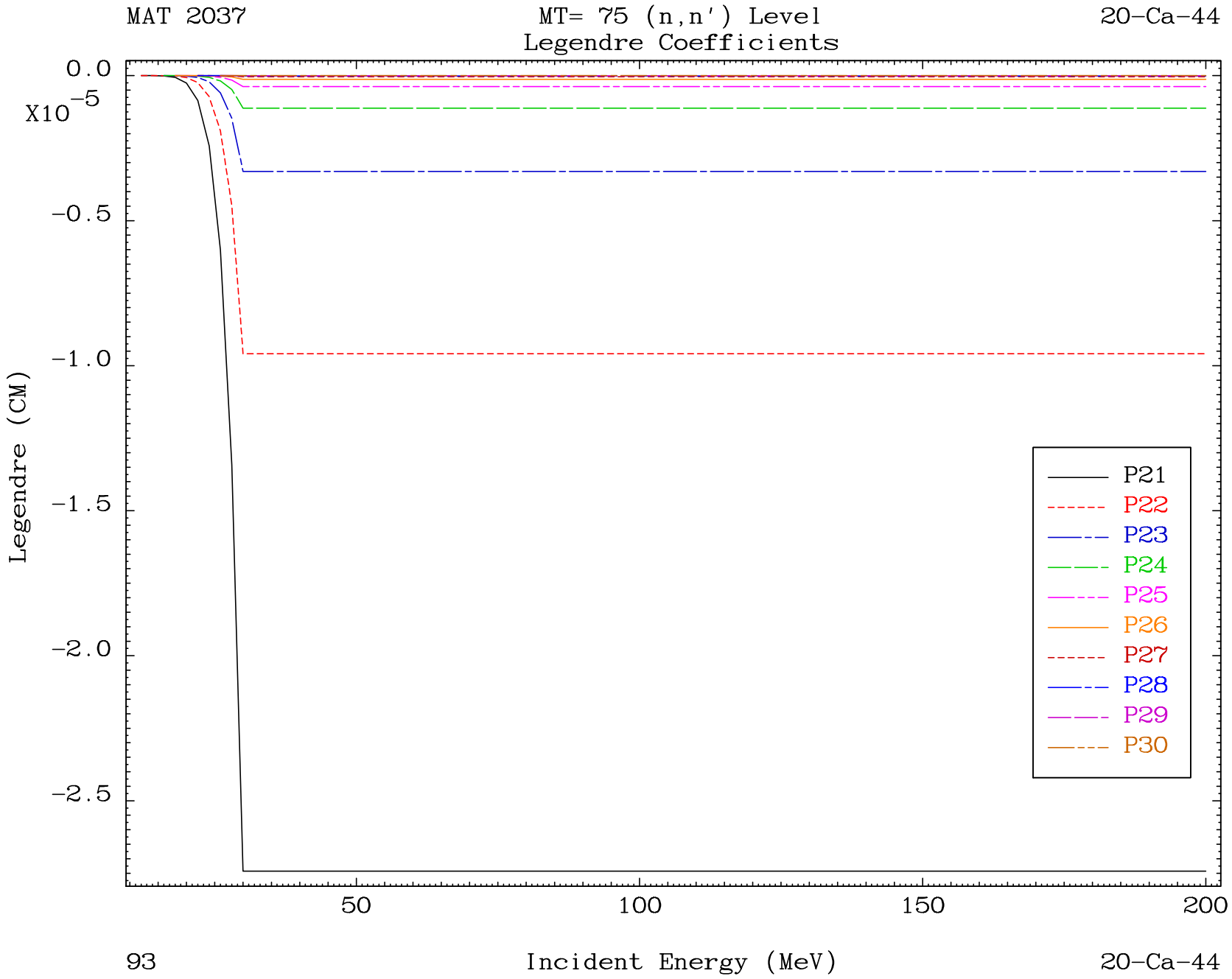

MAT 2037
MT= 74 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
88
Incident Energy (MeV)
20-Ca-44

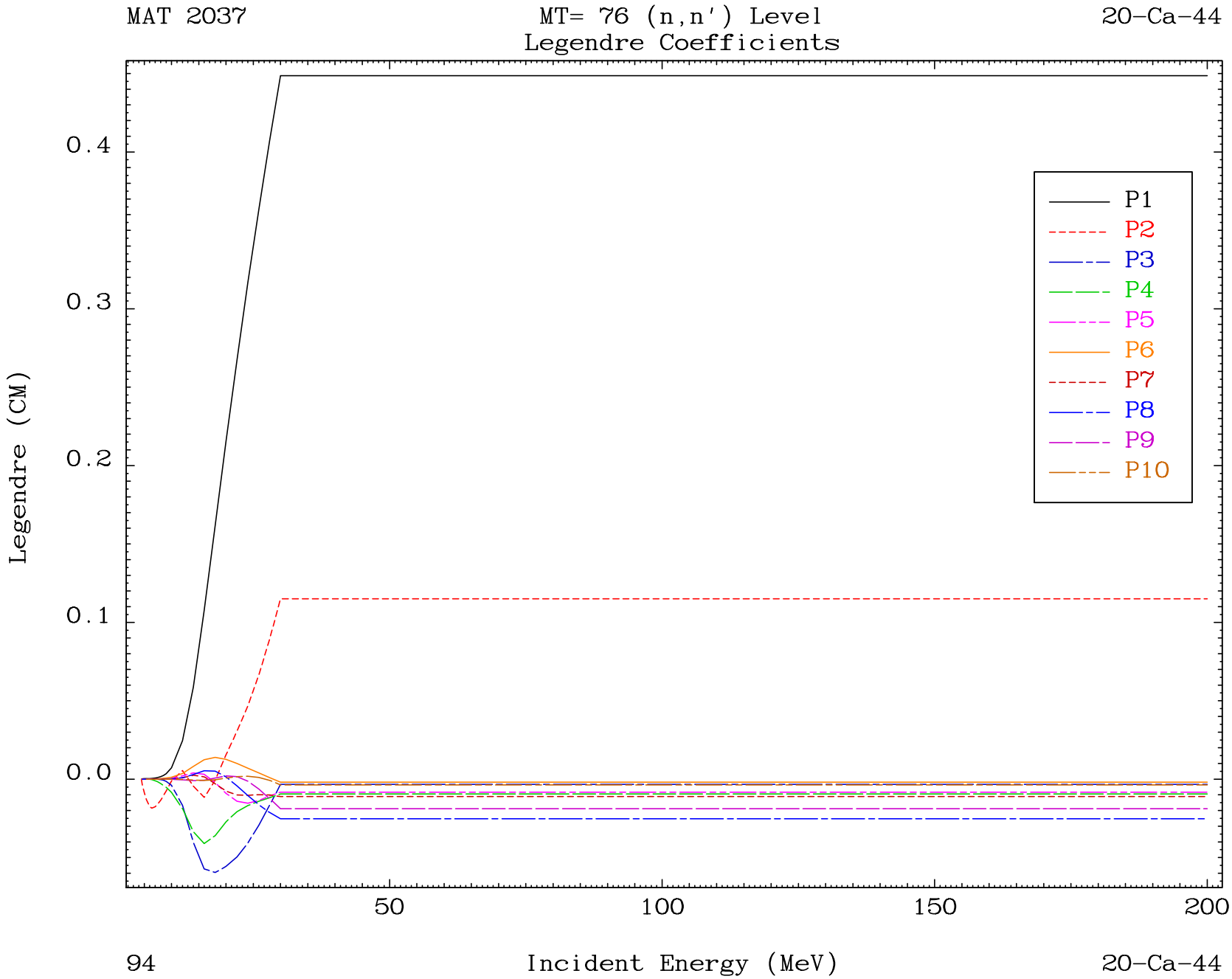

MAT 2037
MT= 74 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
20-Ca-44

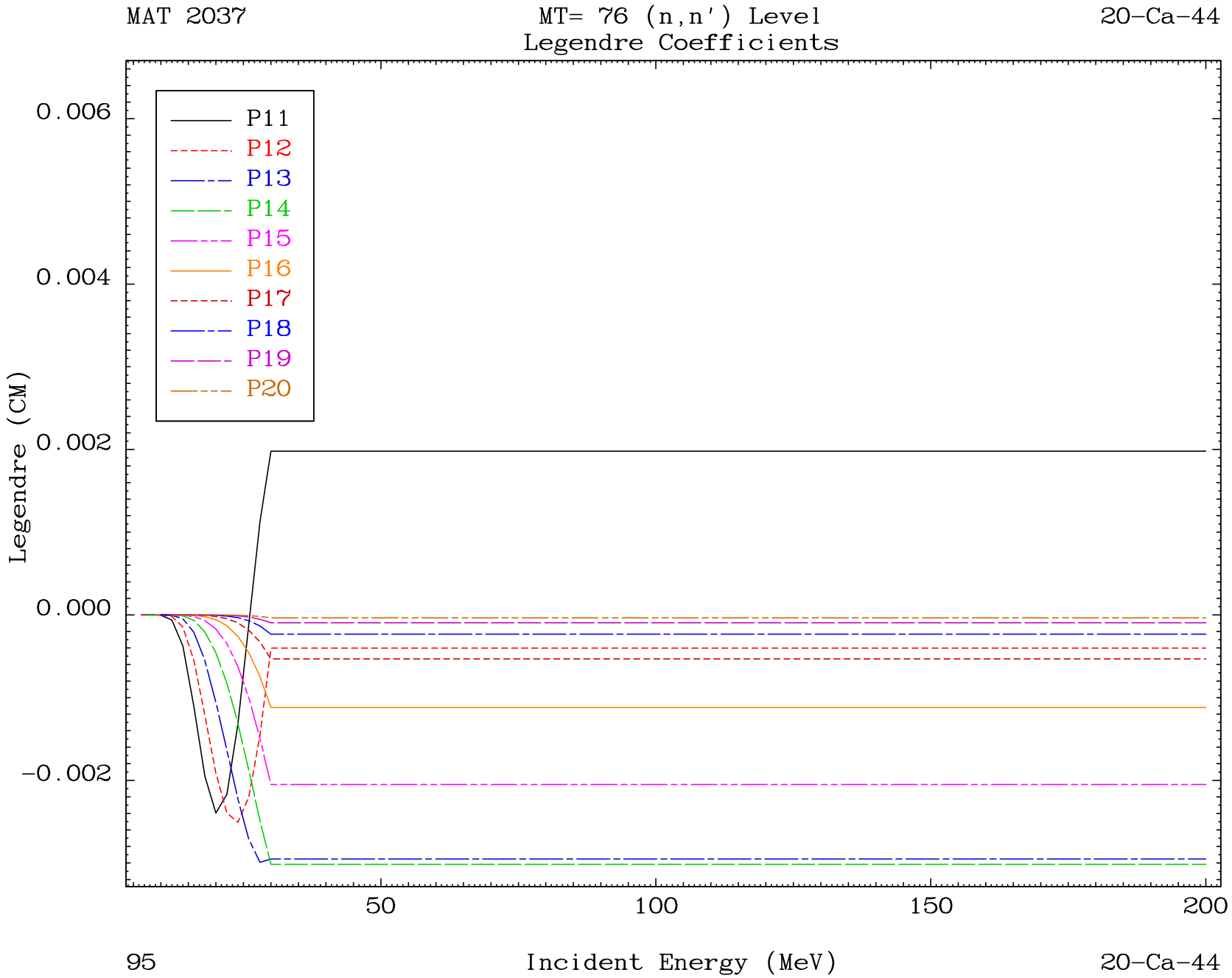

MAT 2037
MT= 74 (n,n') Level
Legendre Coefficients
20-Ca-44
X10 -5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
90
Incident Energy (MeV)
20-Ca-44

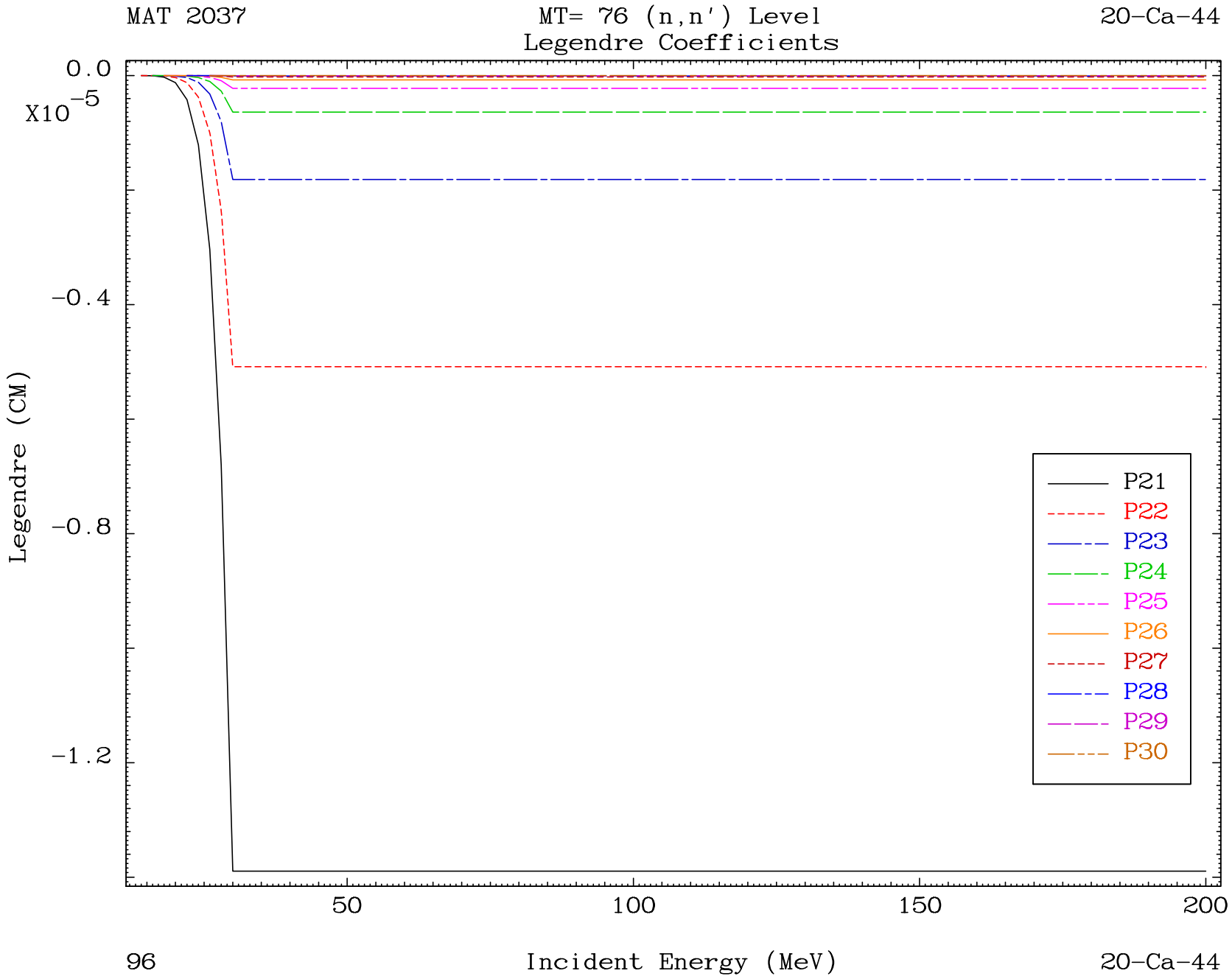

MAT 2037
MT= 75 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
91
Incident Energy (MeV)
20-Ca-44

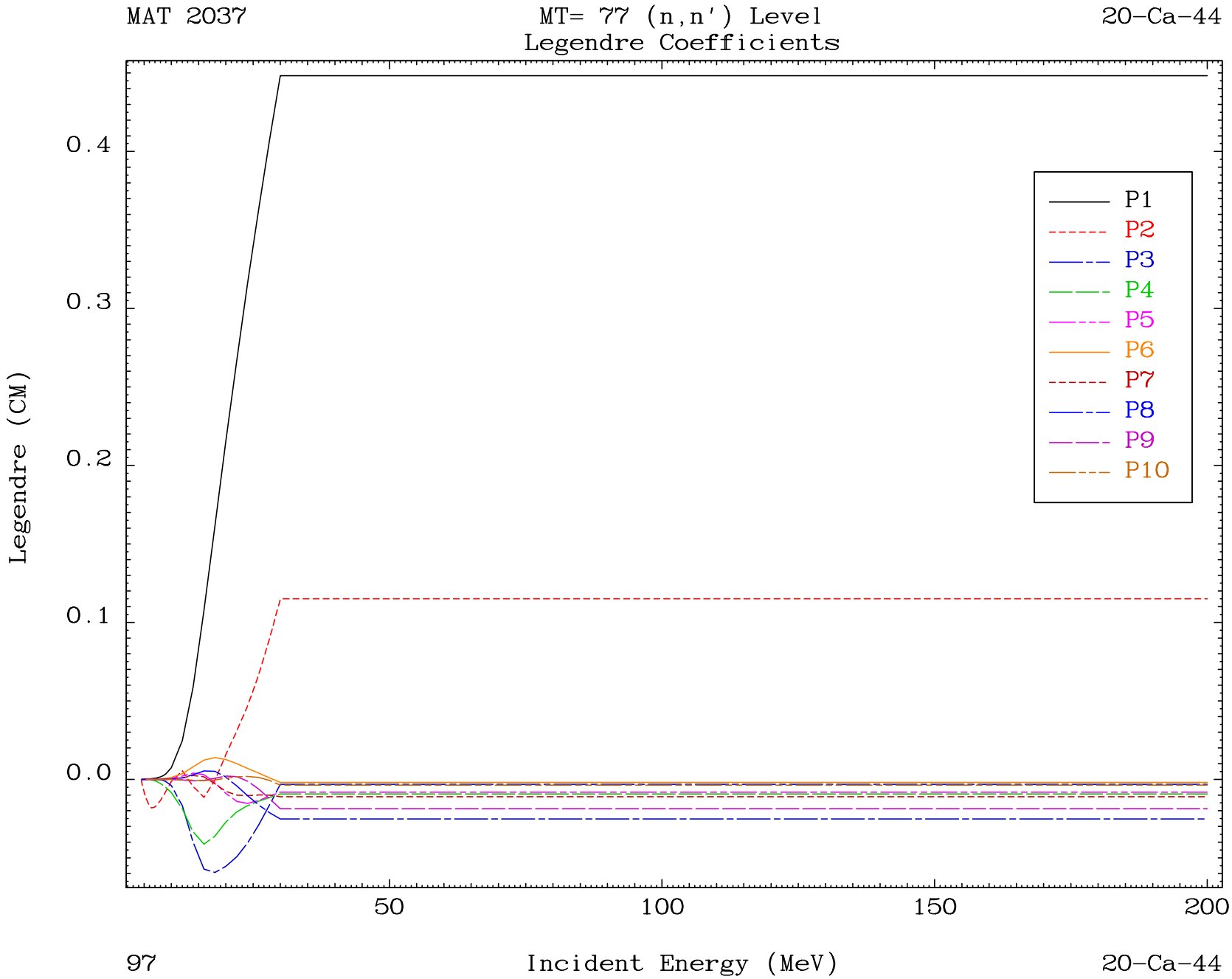

MAT 2037
MT= 75 (n,n') Level
Legendre Coefficients
20-Ca-44
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
92
Incident Energy (MeV)
20-Ca-44

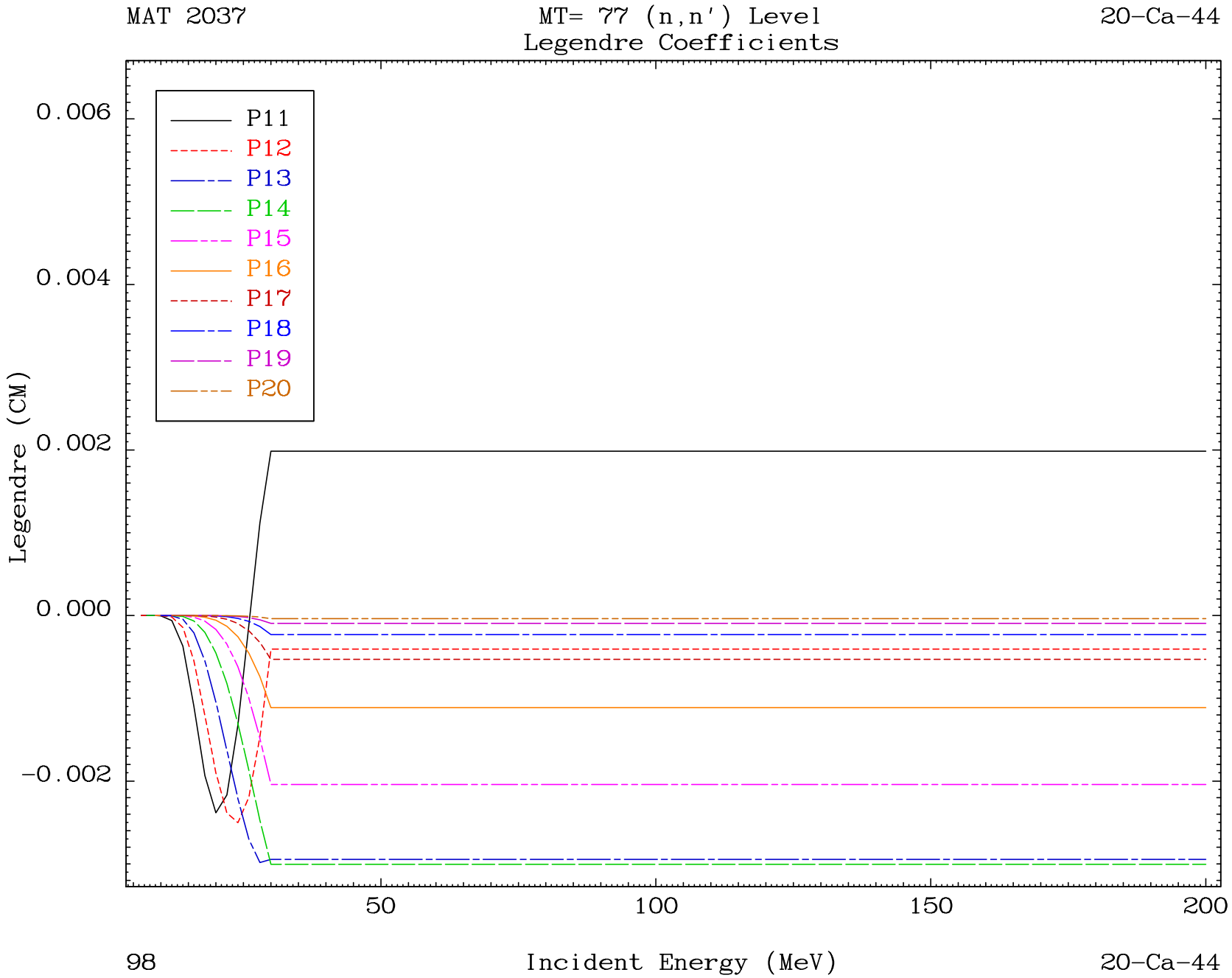

MAT 2037
MT= 75 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
93
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

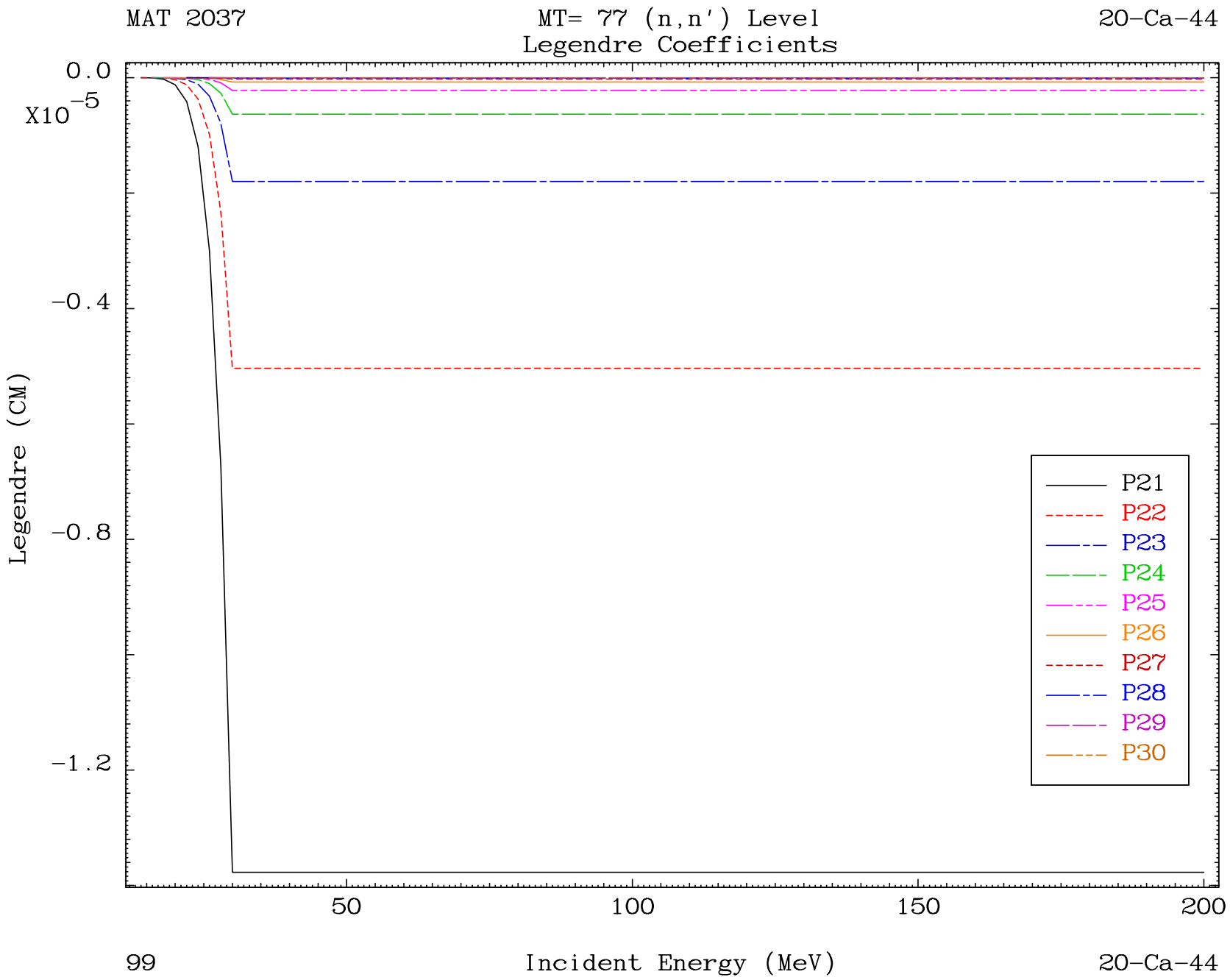

MAT 2037
MT= 76 (n,n') Level
Legendre Coefficients
20-Ca-44
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
94
Incident Energy (MeV)
20-Ca-44


MAT 2037
MT= 76 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
20-Ca-44


MAT 2037
MT= 76 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
96
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30


MAT 2037
MT= 77 (n,n') Level
Legendre Coefficients
20-Ca-44
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
P10
97
Incident Energy (MeV)
20-Ca-44


MAT 2037
MT= 77 (n,n') Level
Legendre Coefficients
20-Ca-44
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
20-Ca-44


MAT 2037
MT= 77 (n,n') Level
Legendre Coefficients
20-Ca-44
0.0
X10^-5
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
99
Incident Energy (MeV)
20-Ca-44
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30