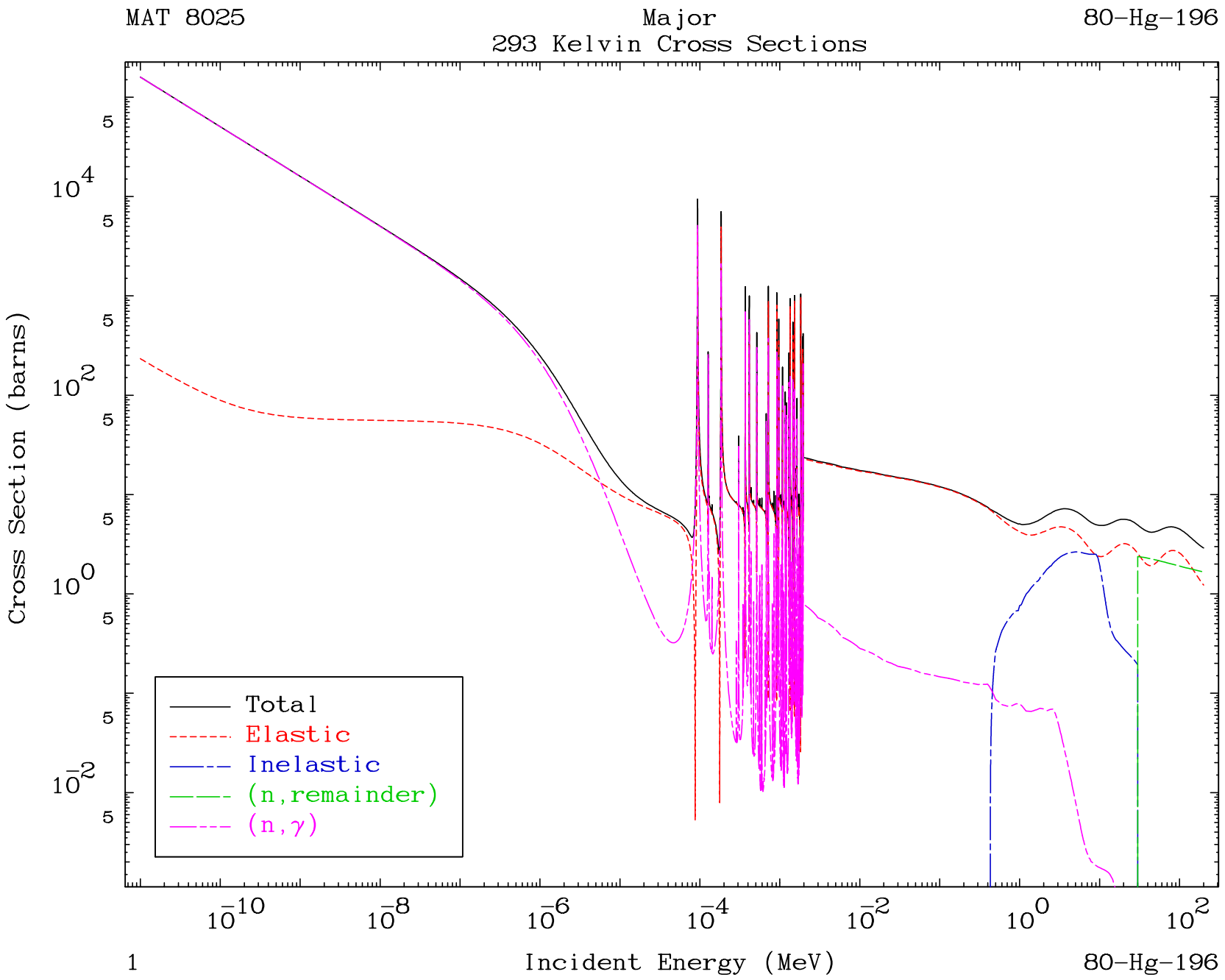
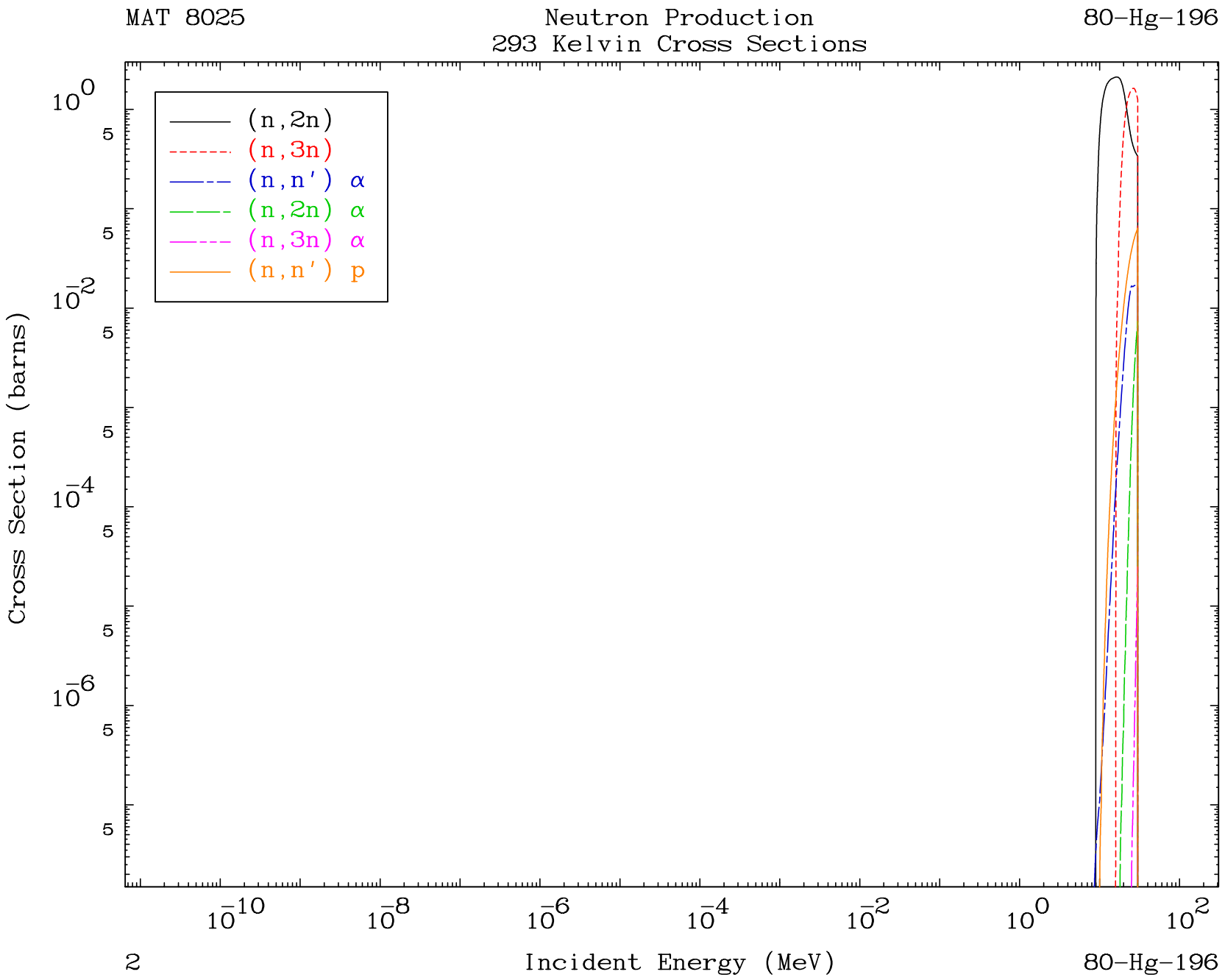
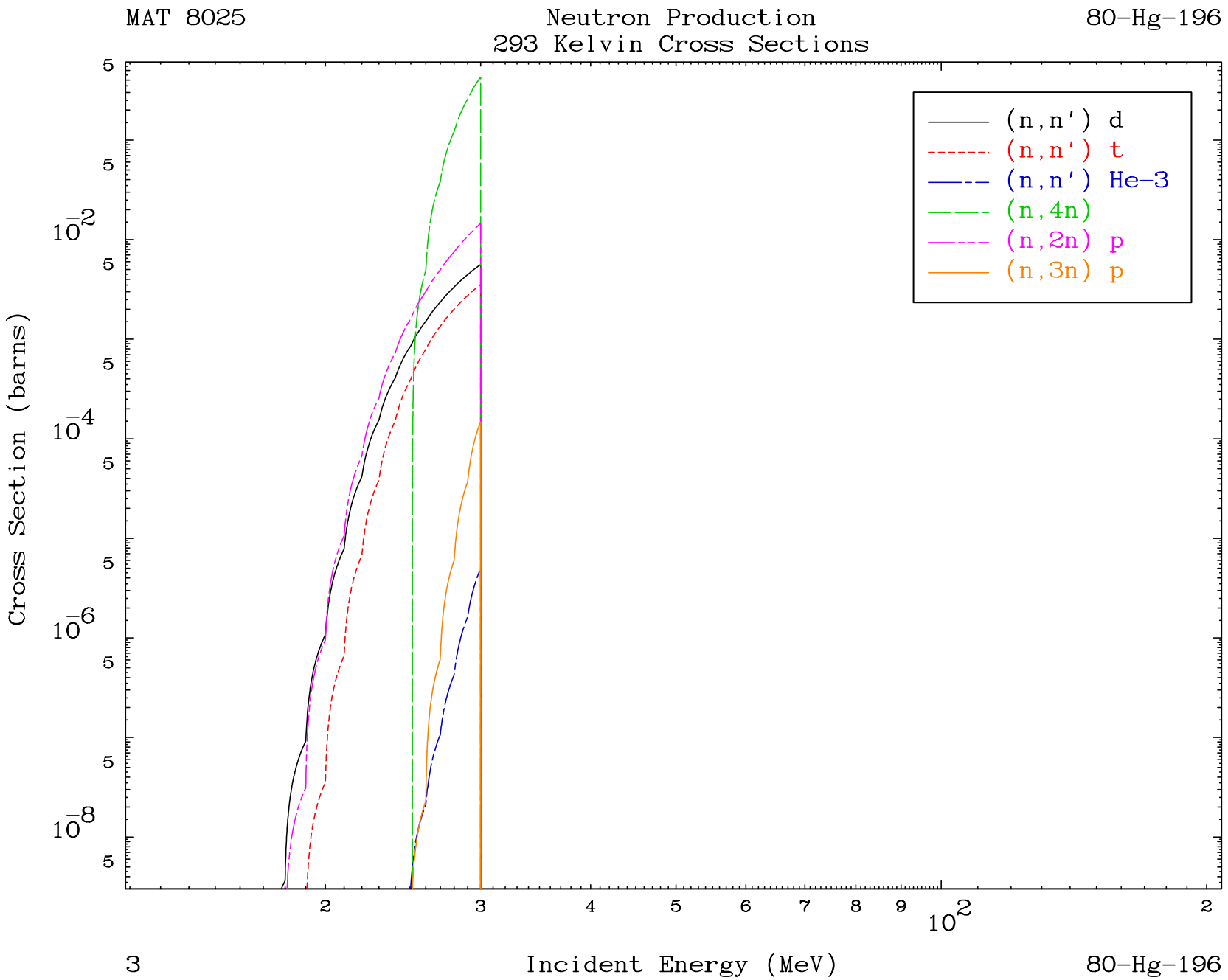
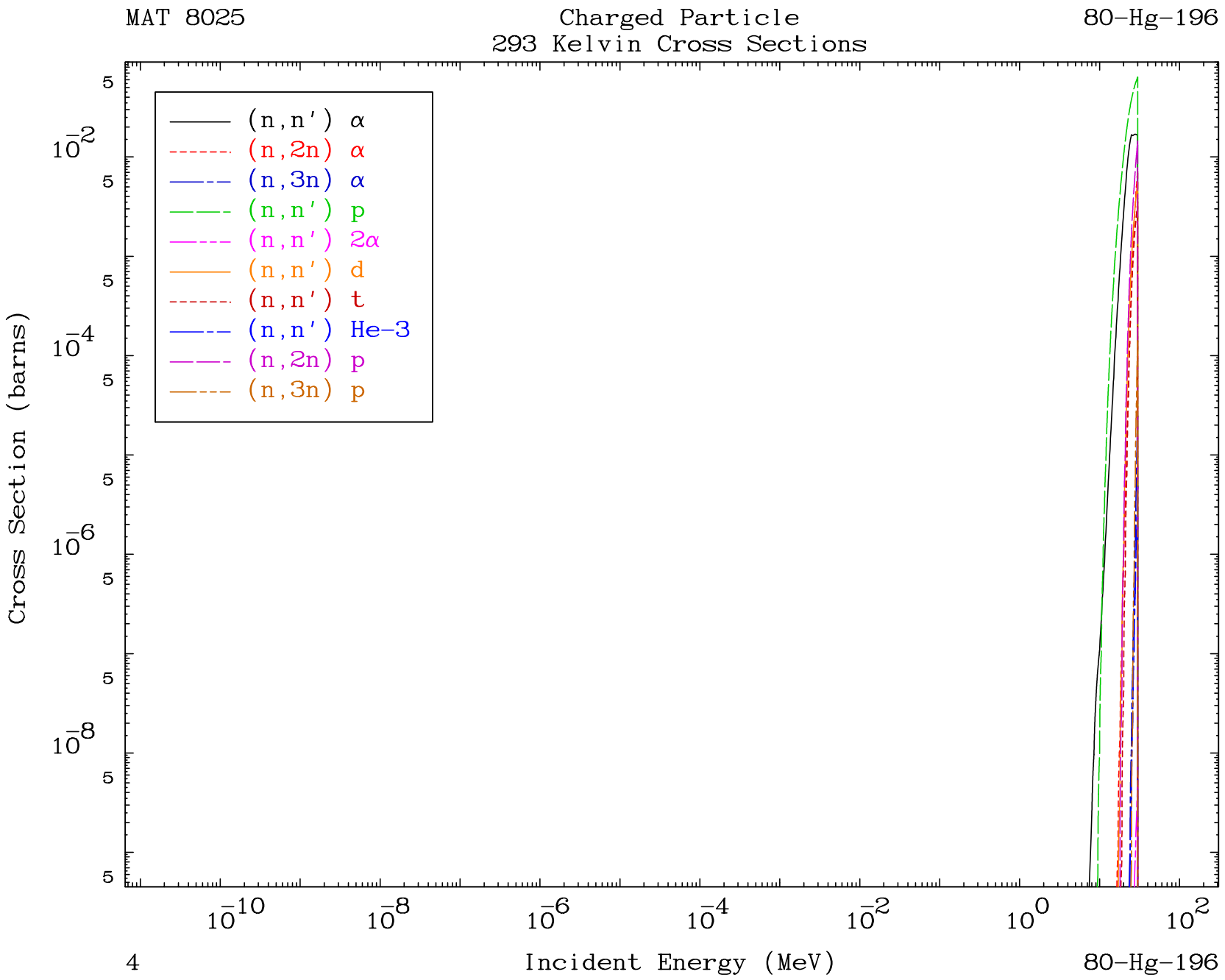
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

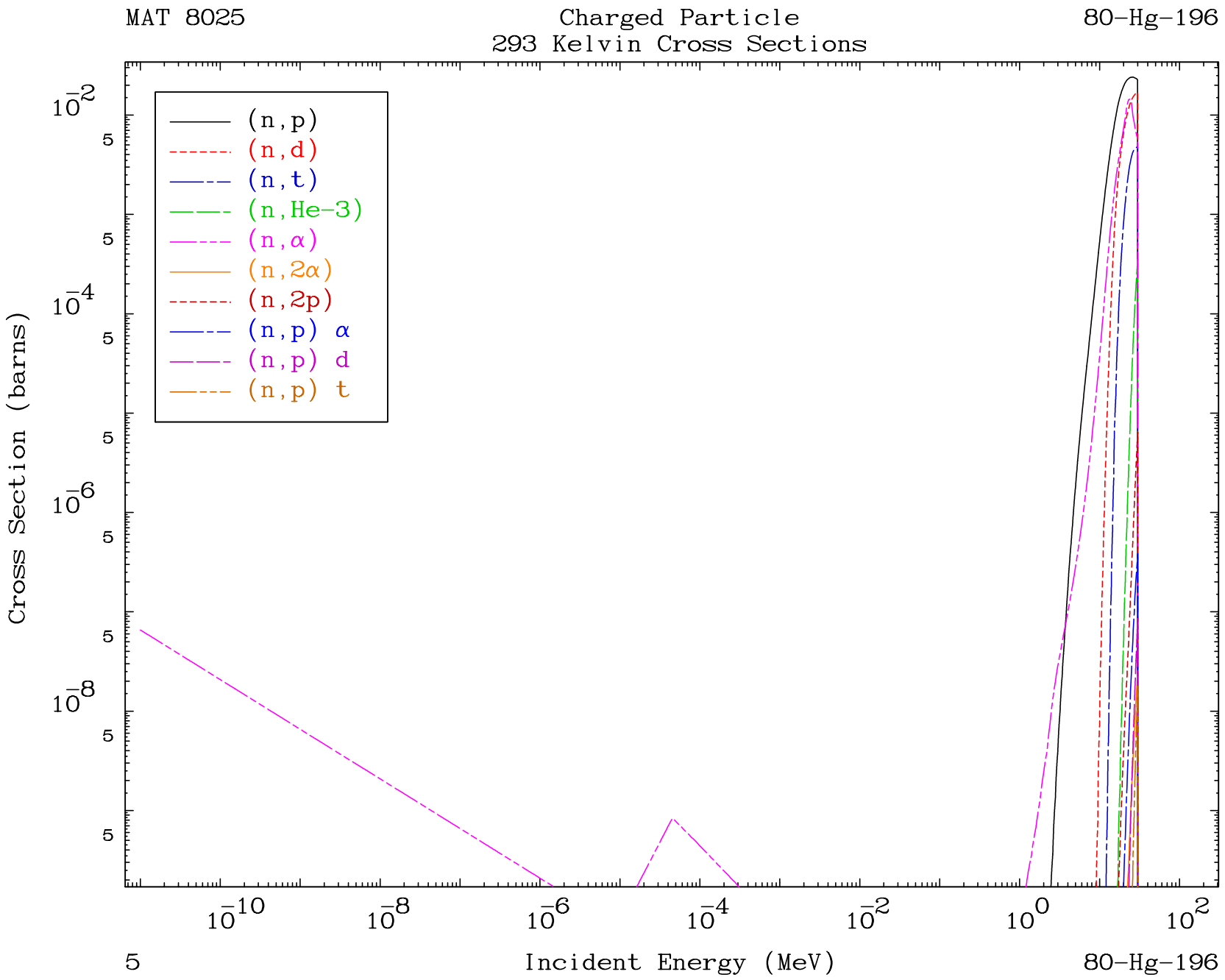
Press Mouse Button to Start

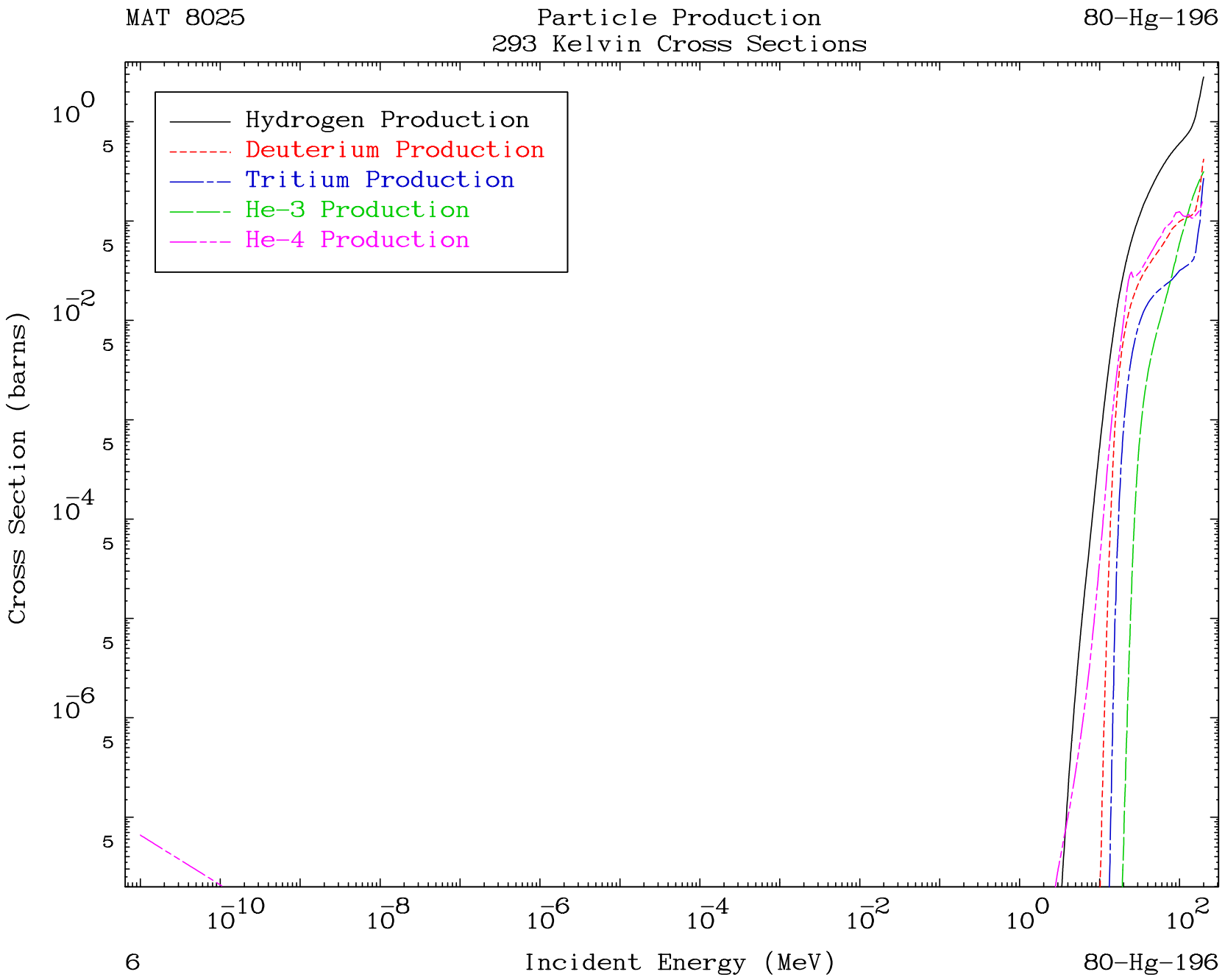

MAT 8025
Major
80-Hg-196
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
80-Hg-196
1

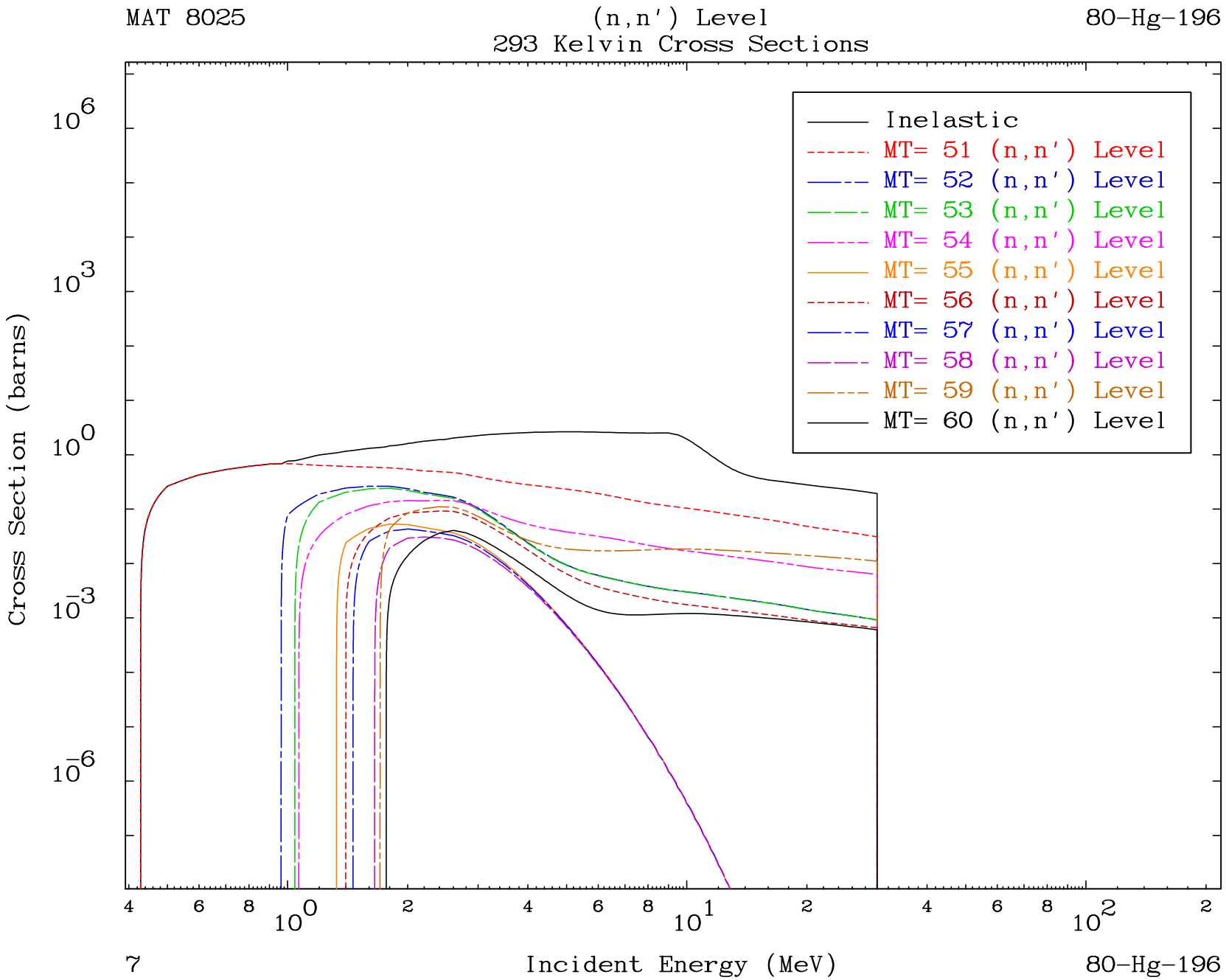

MAT 8025
Neutron Production
293 Kelvin Cross Sections
80-Hg-196
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
2
80-Hg-196

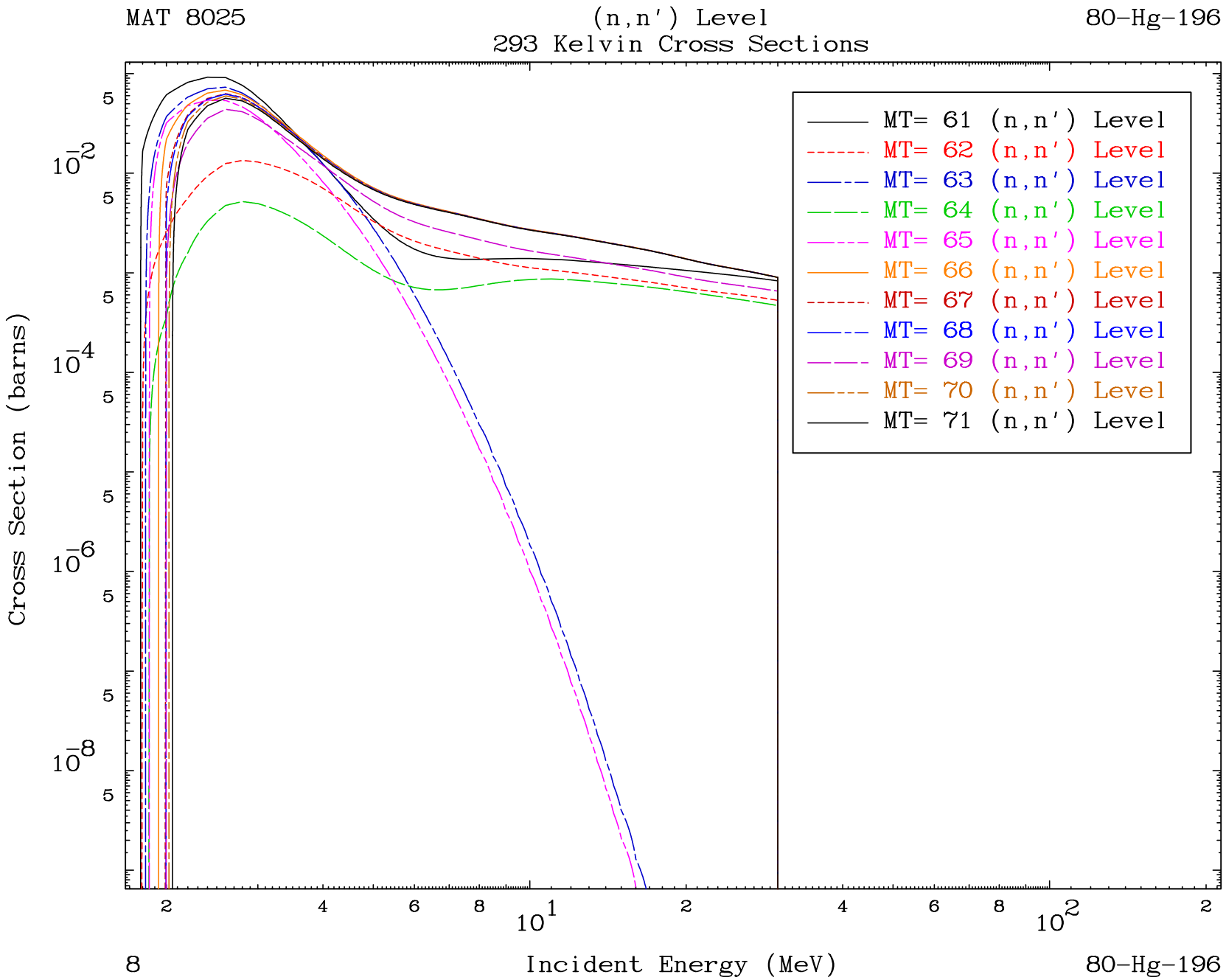

MAT 8025
Neutron Production
293 Kelvin Cross Sections
80-Hg-196
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-196

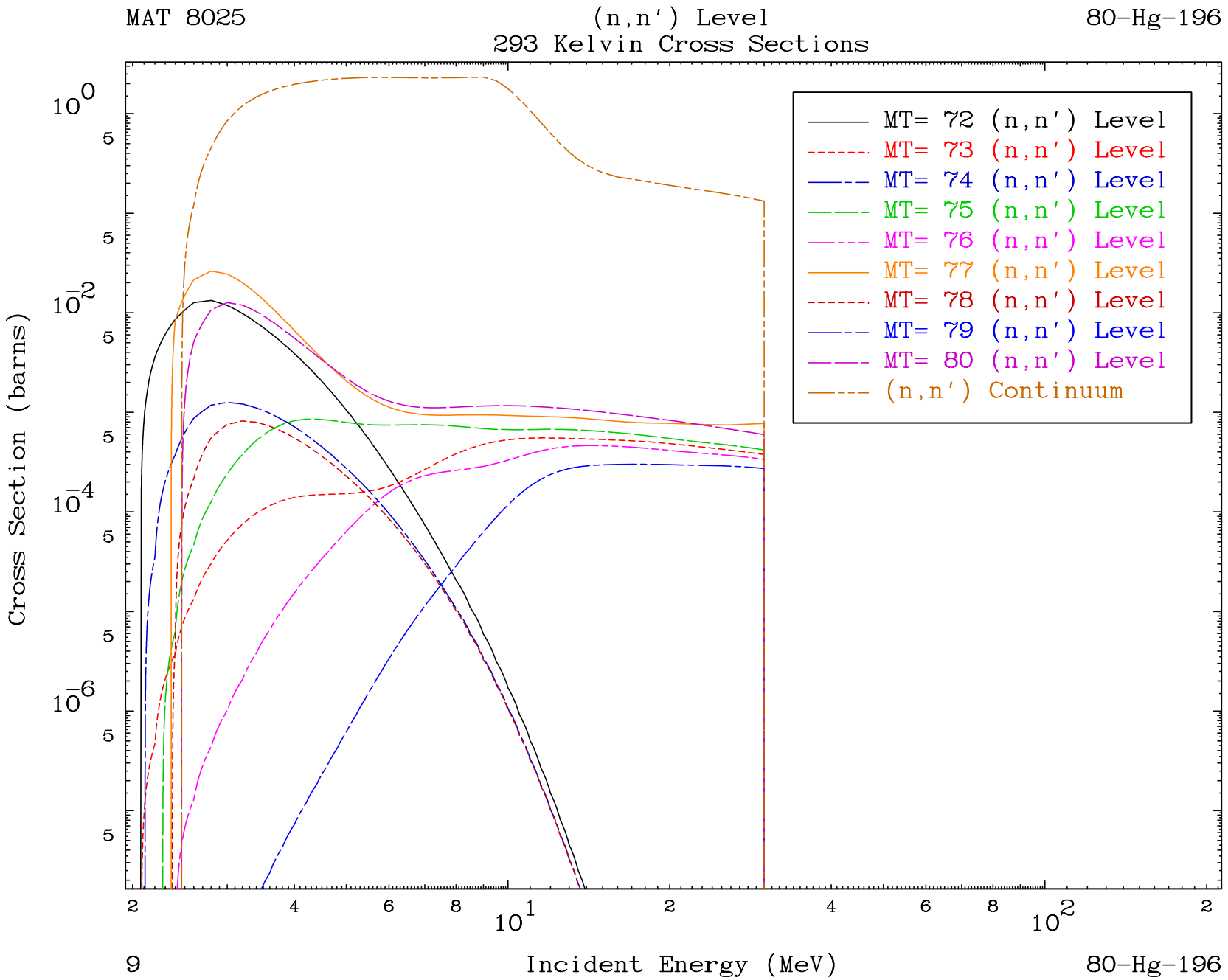

MAT 8025
Charged Particle
293 Kelvin Cross Sections
80-Hg-196
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-196

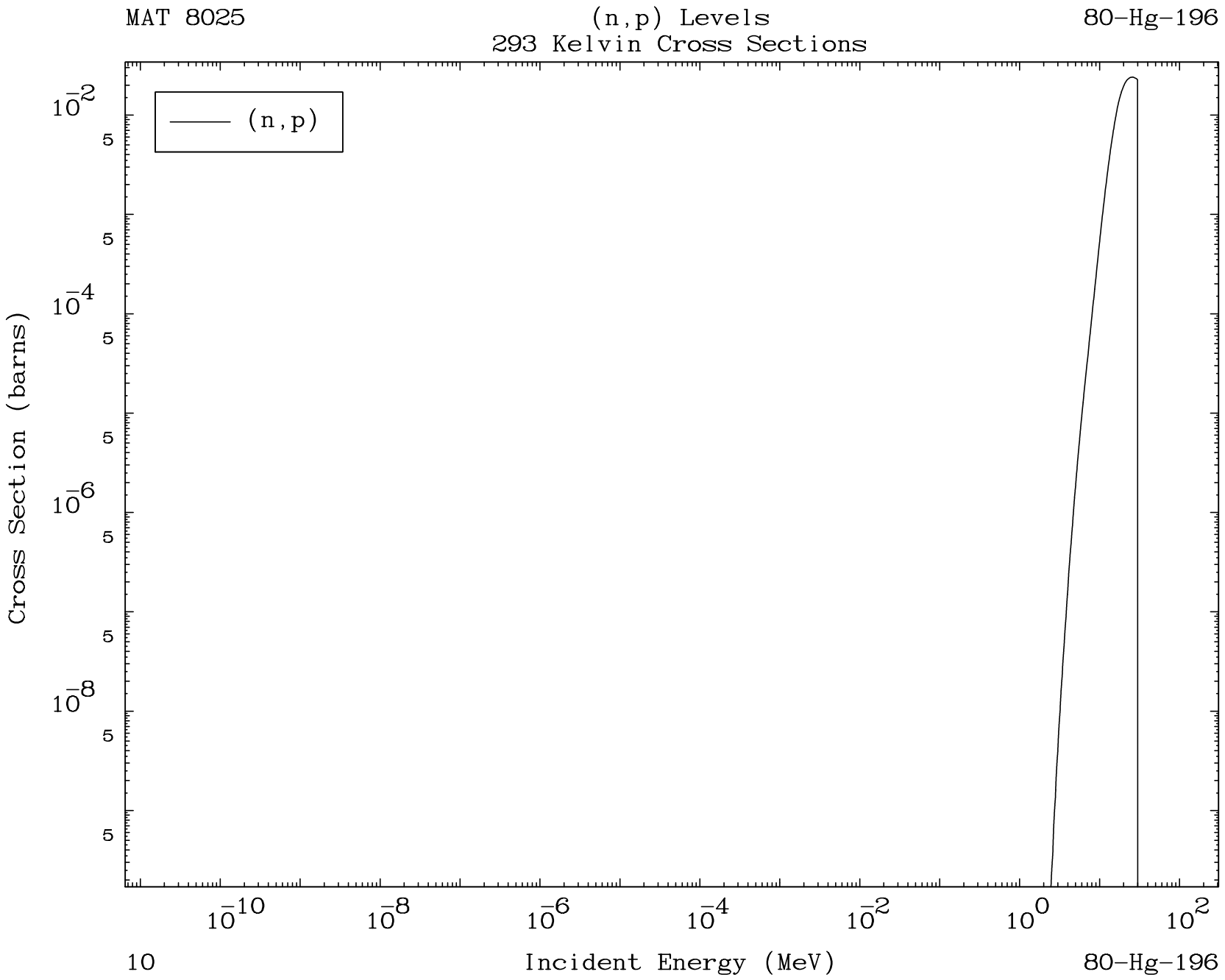

MAT 8025
Charged Particle
293 Kelvin Cross Sections
80-Hg-196
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
80-Hg-196

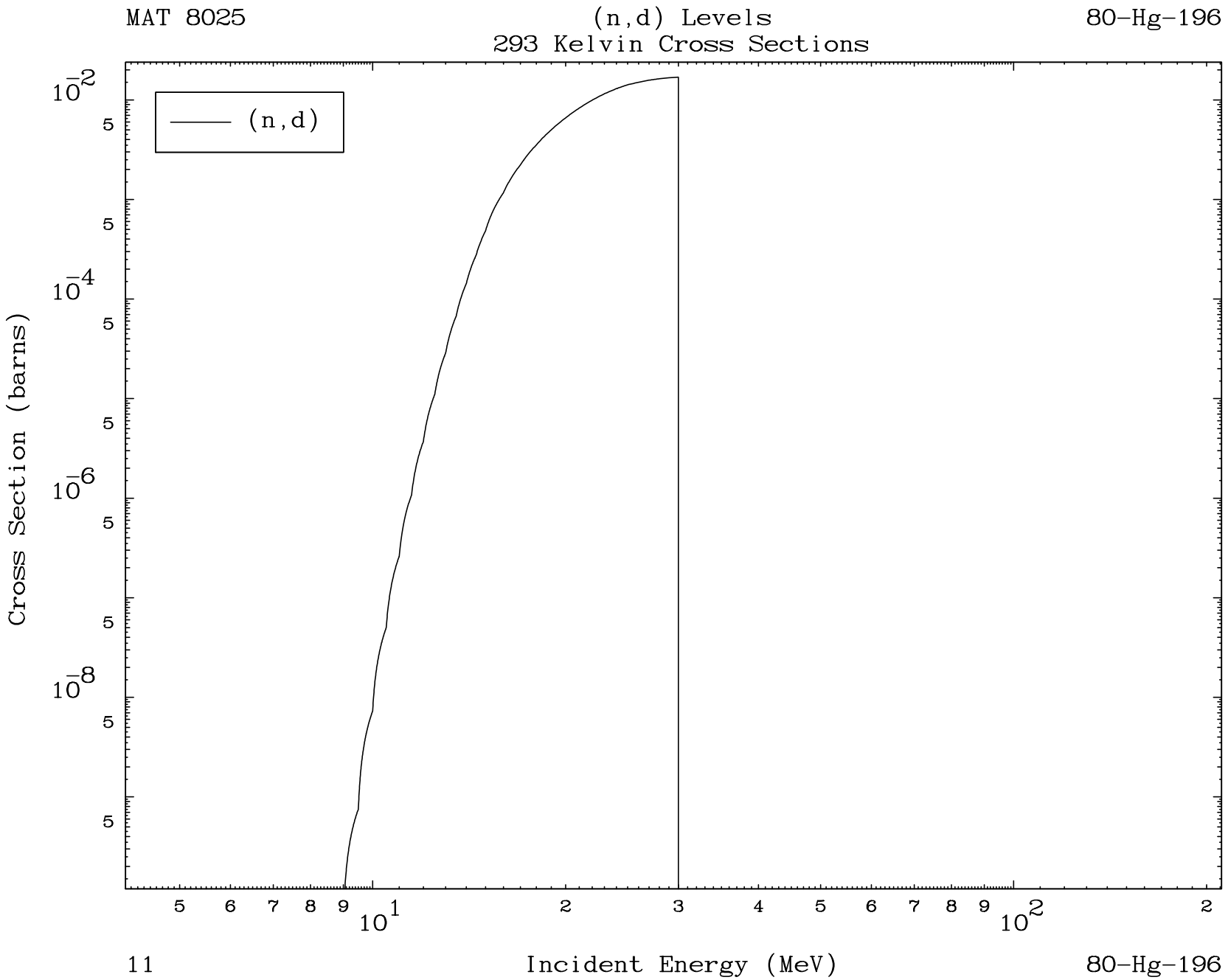

MAT 8025
Particle Production
293 Kelvin Cross Sections
80-Hg-196
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-196

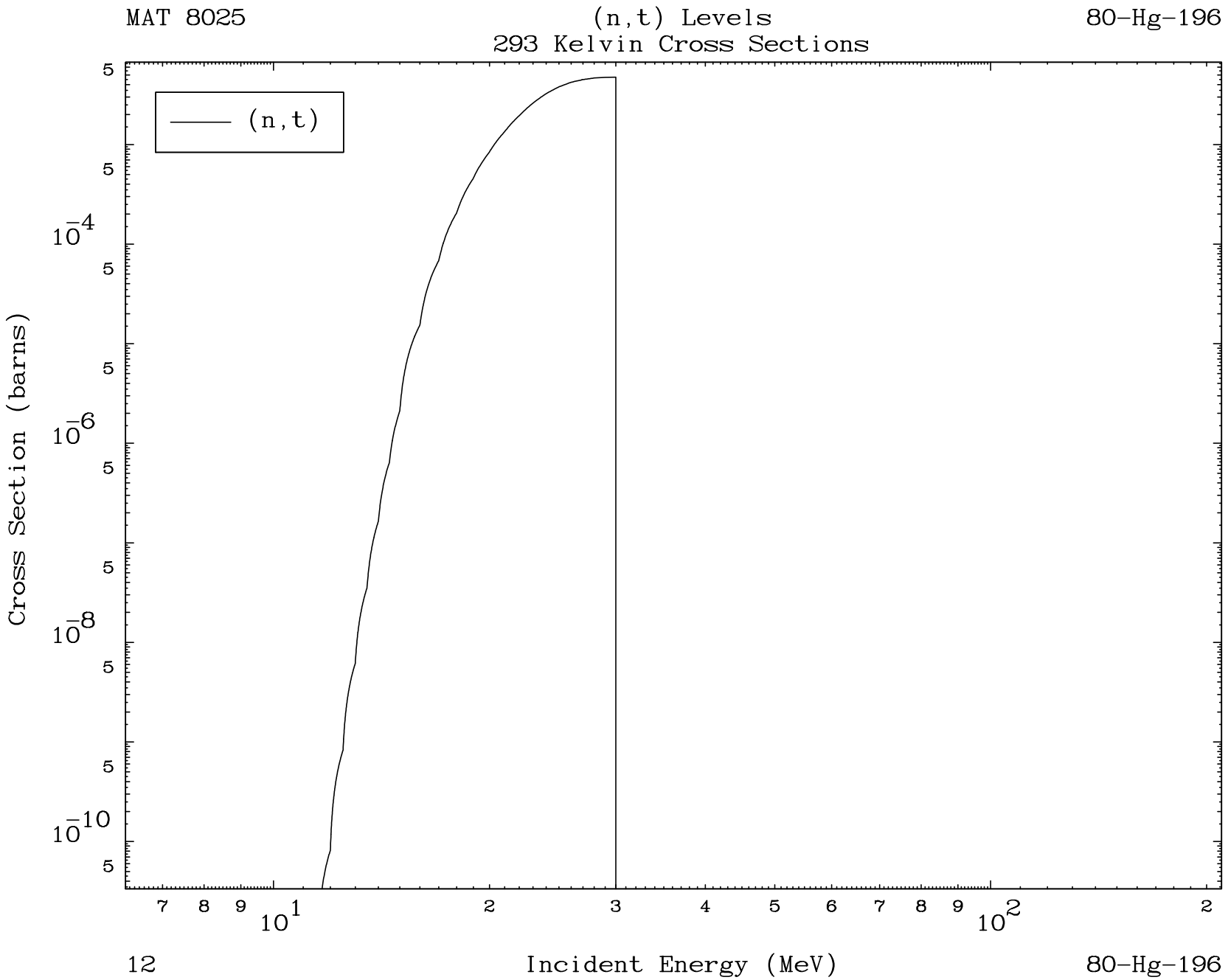

MAT 8025
(n,n') Level
293 Kelvin Cross Sections
80-Hg-196
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-196

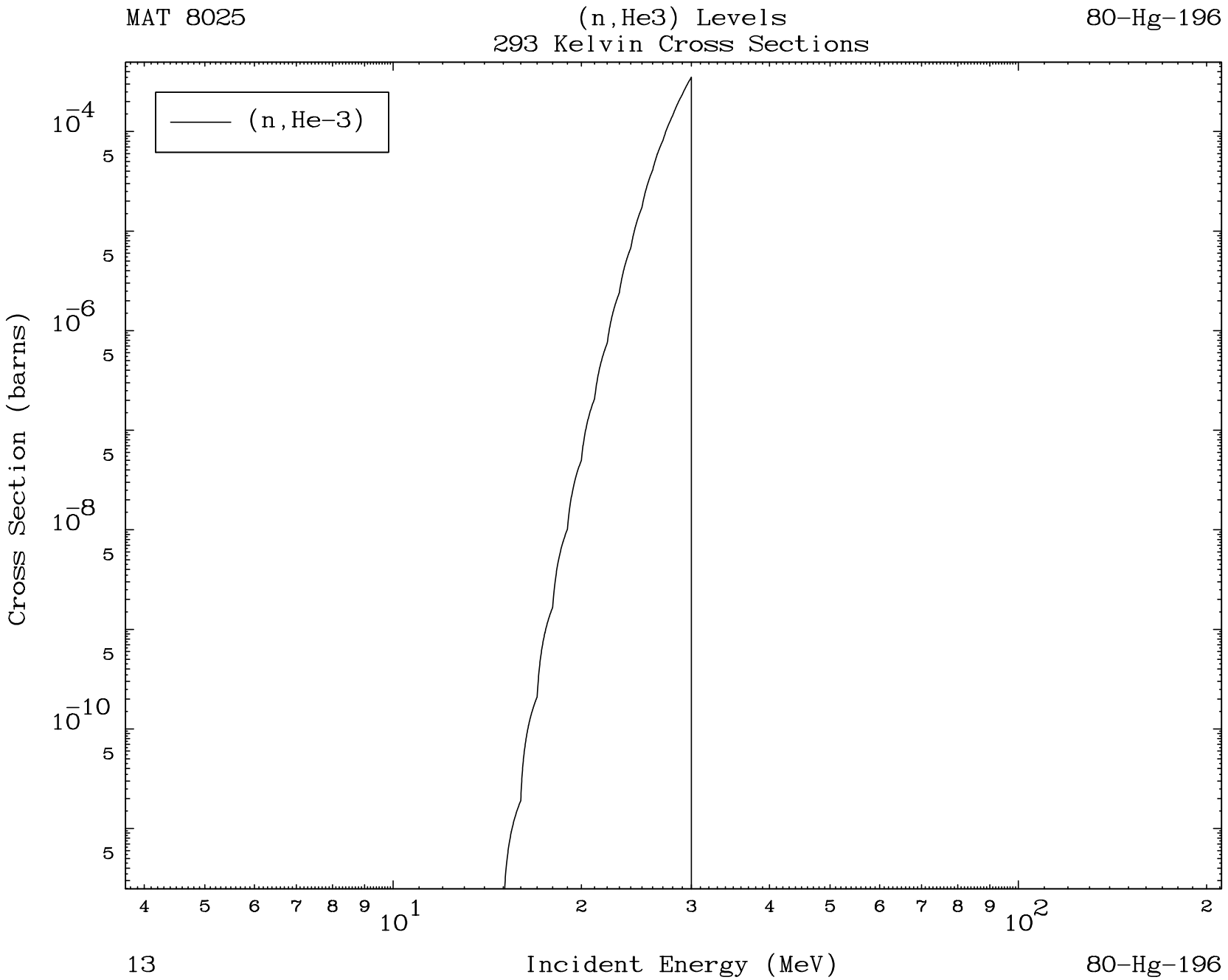

MAT 8025
(n,n') Level
293 Kelvin Cross Sections
80-Hg-196
Cross Section (barns)
Incident Energy (MeV)
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level

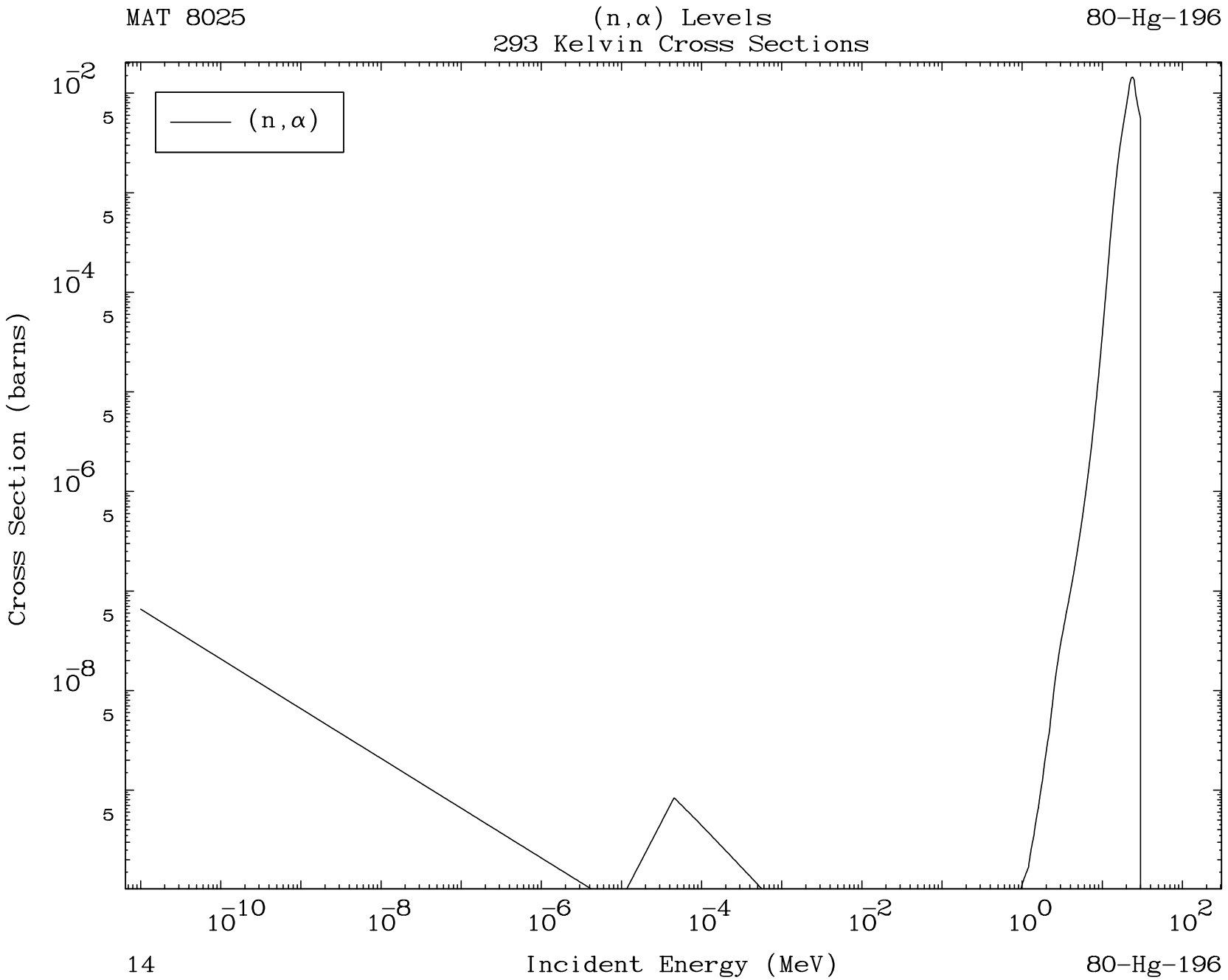

MAT 8025
(n,n') Level
293 Kelvin Cross Sections
80-Hg-196
Cross Section (barns)
Incident Energy (MeV)
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
9
80-Hg-196

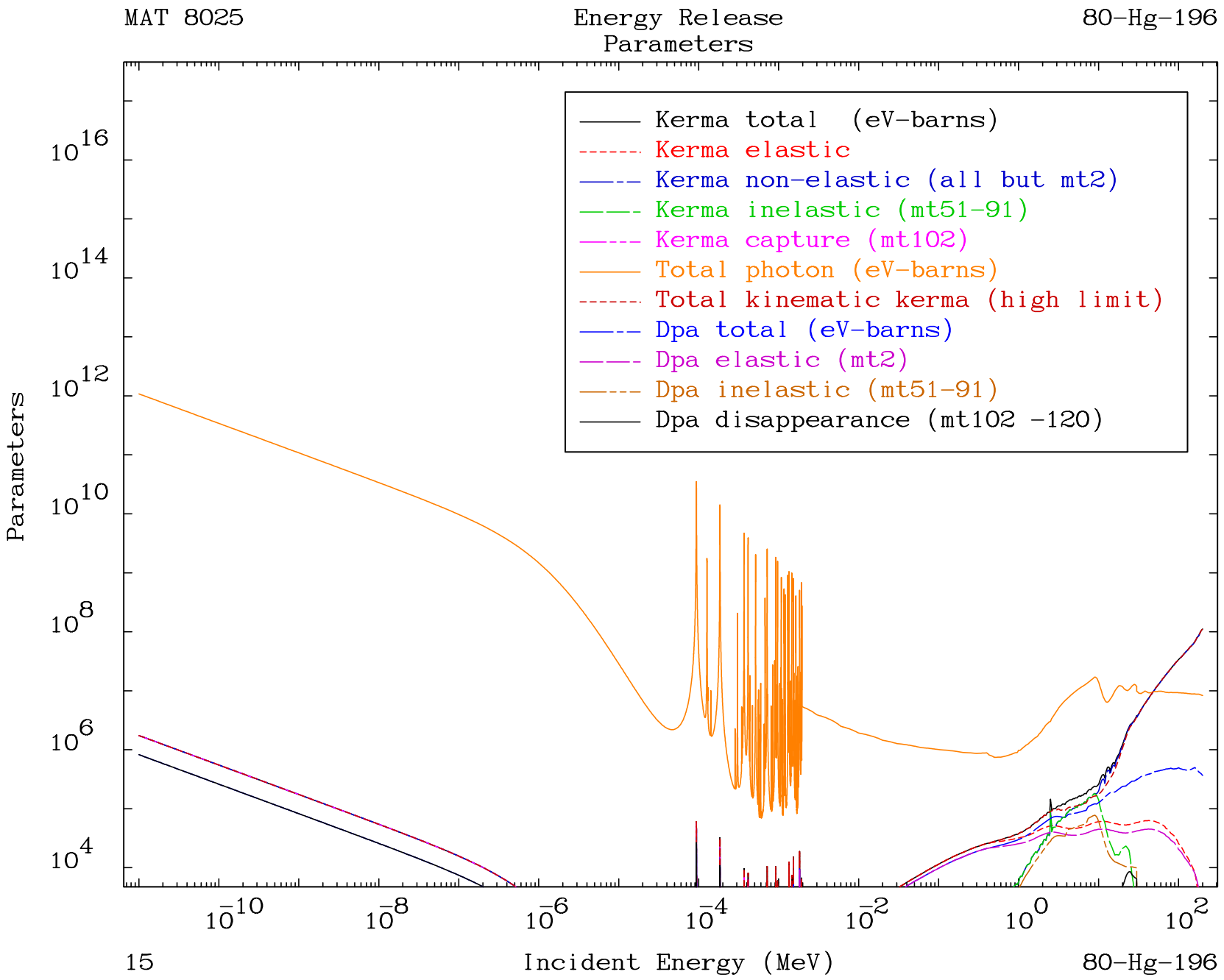

MAT 8025
(n,p) Levels
80-Hg-196
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10
80-Hg-196

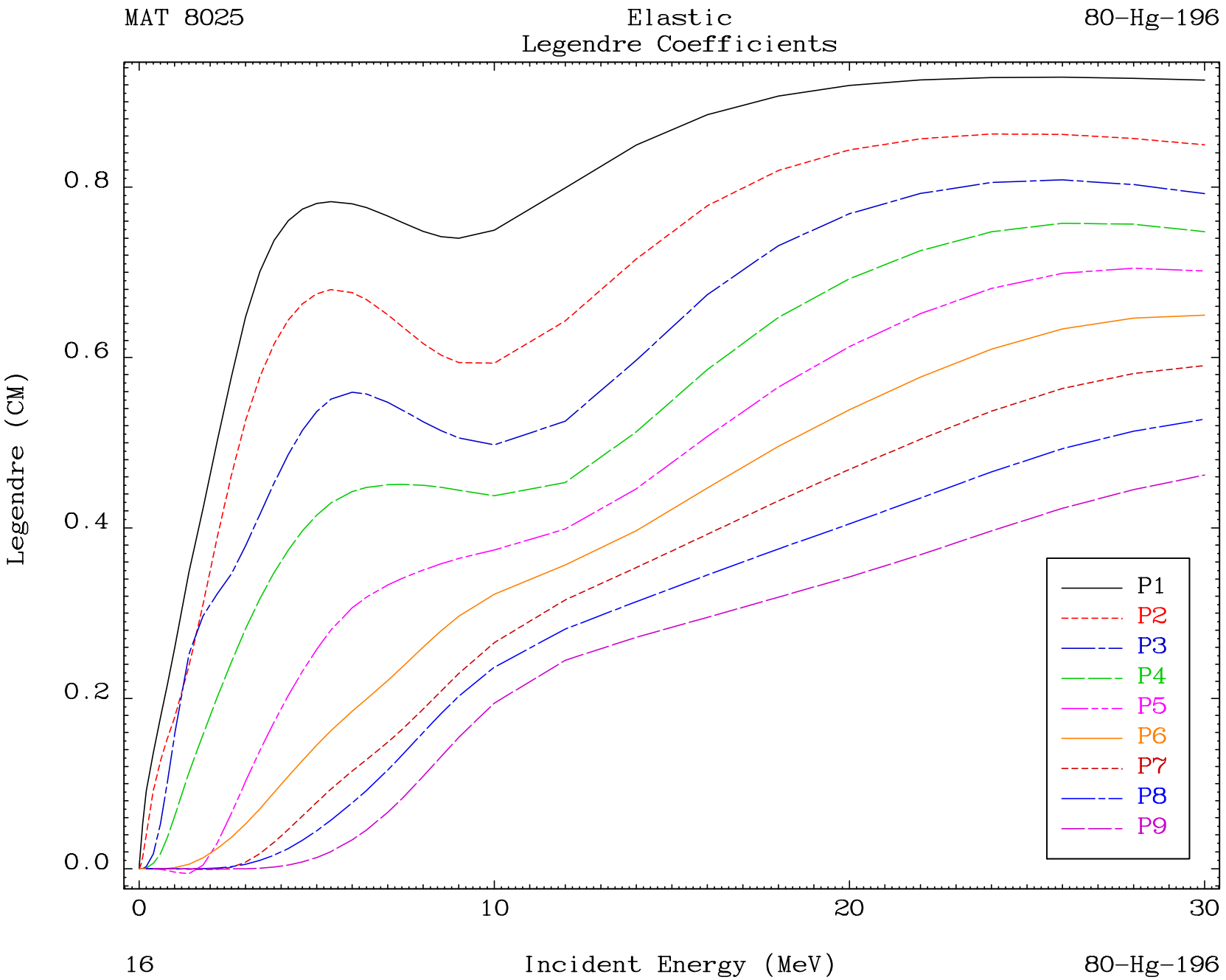

MAT 8025
(n,d) Levels
80-Hg-196
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-196

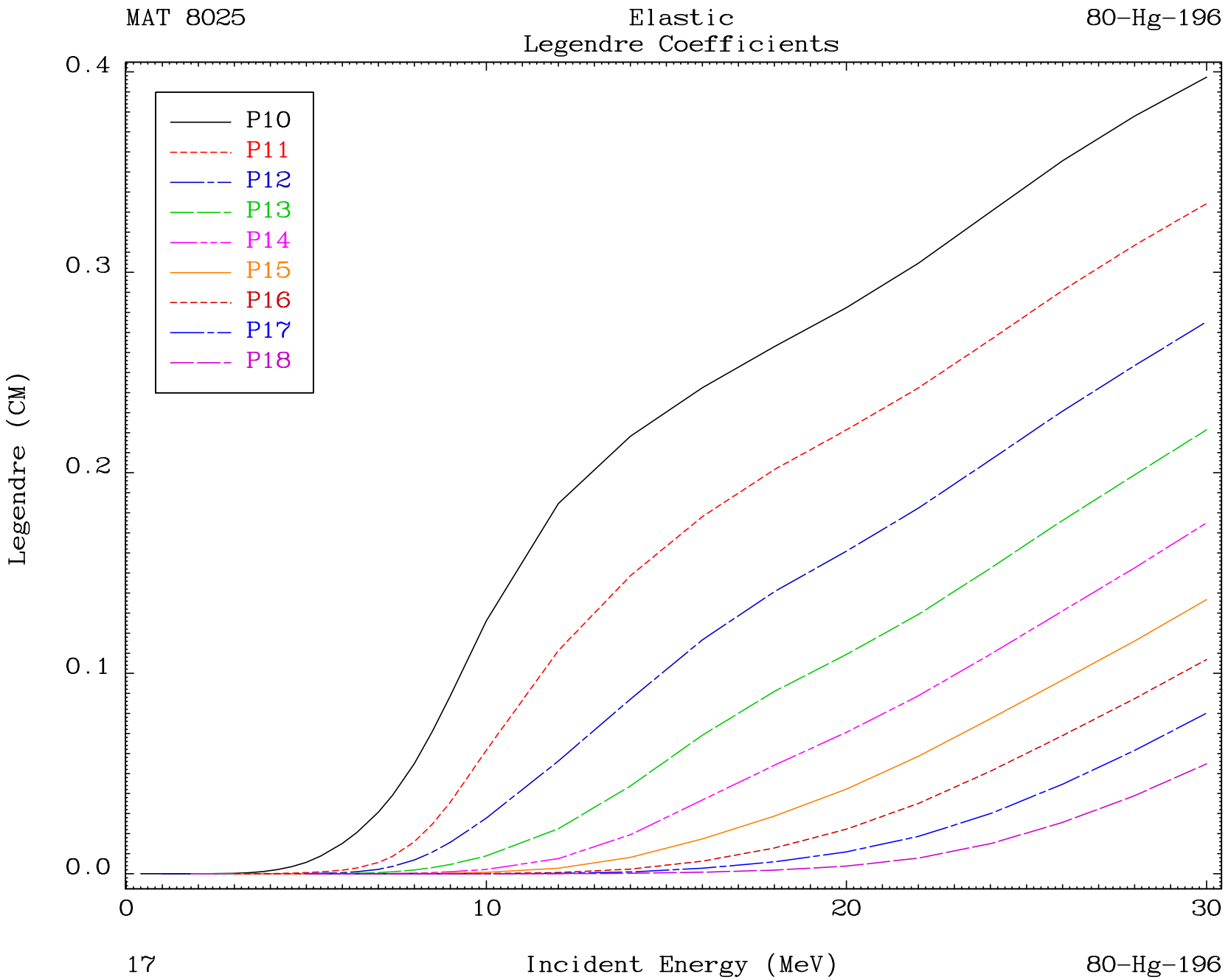

MAT 8025
(n,t) Levels
80-Hg-196
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
12
80-Hg-196

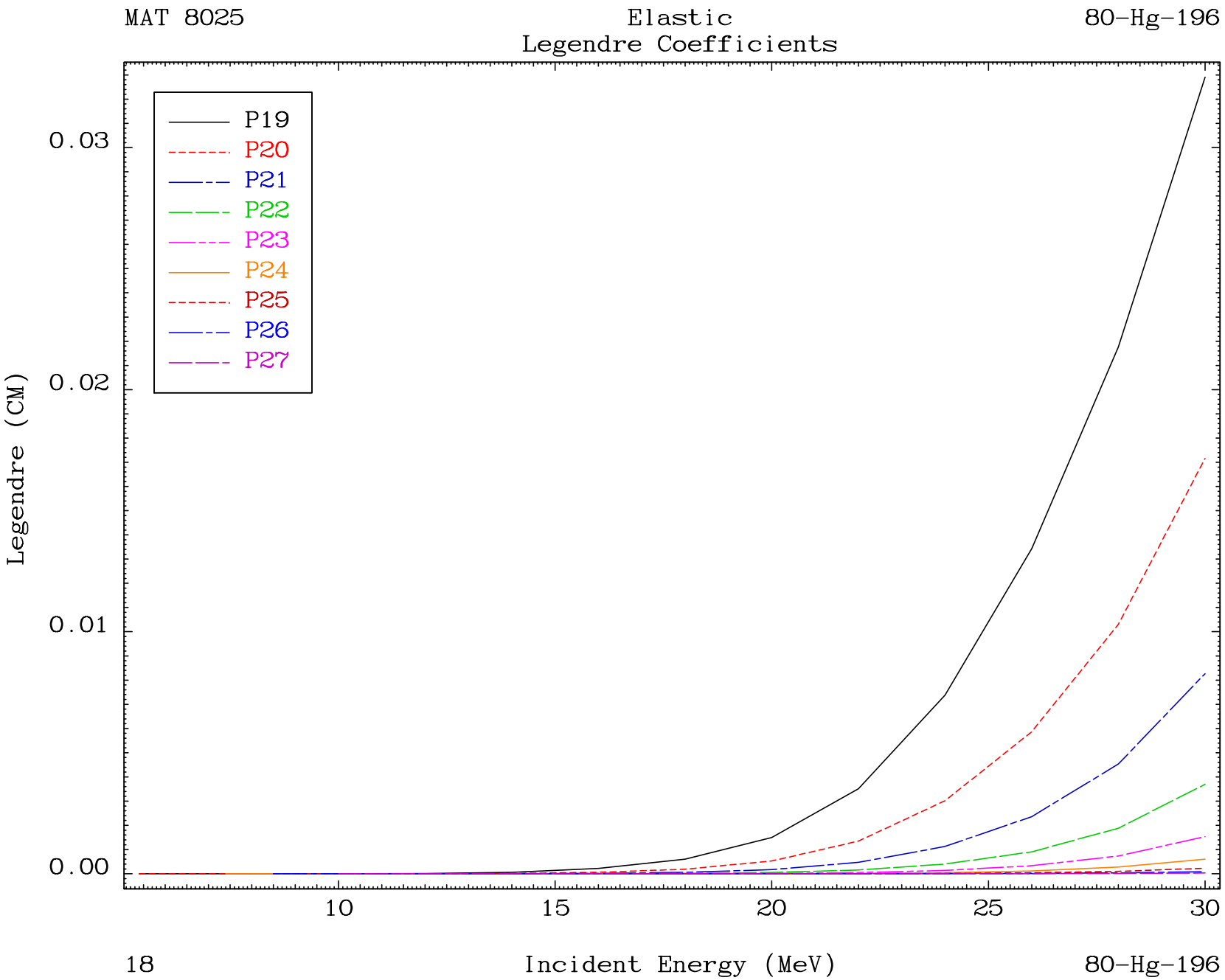

MAT 8025
(n,He3) Levels
80-Hg-196
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
4 5 6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
13
Incident Energy (MeV)
80-Hg-196

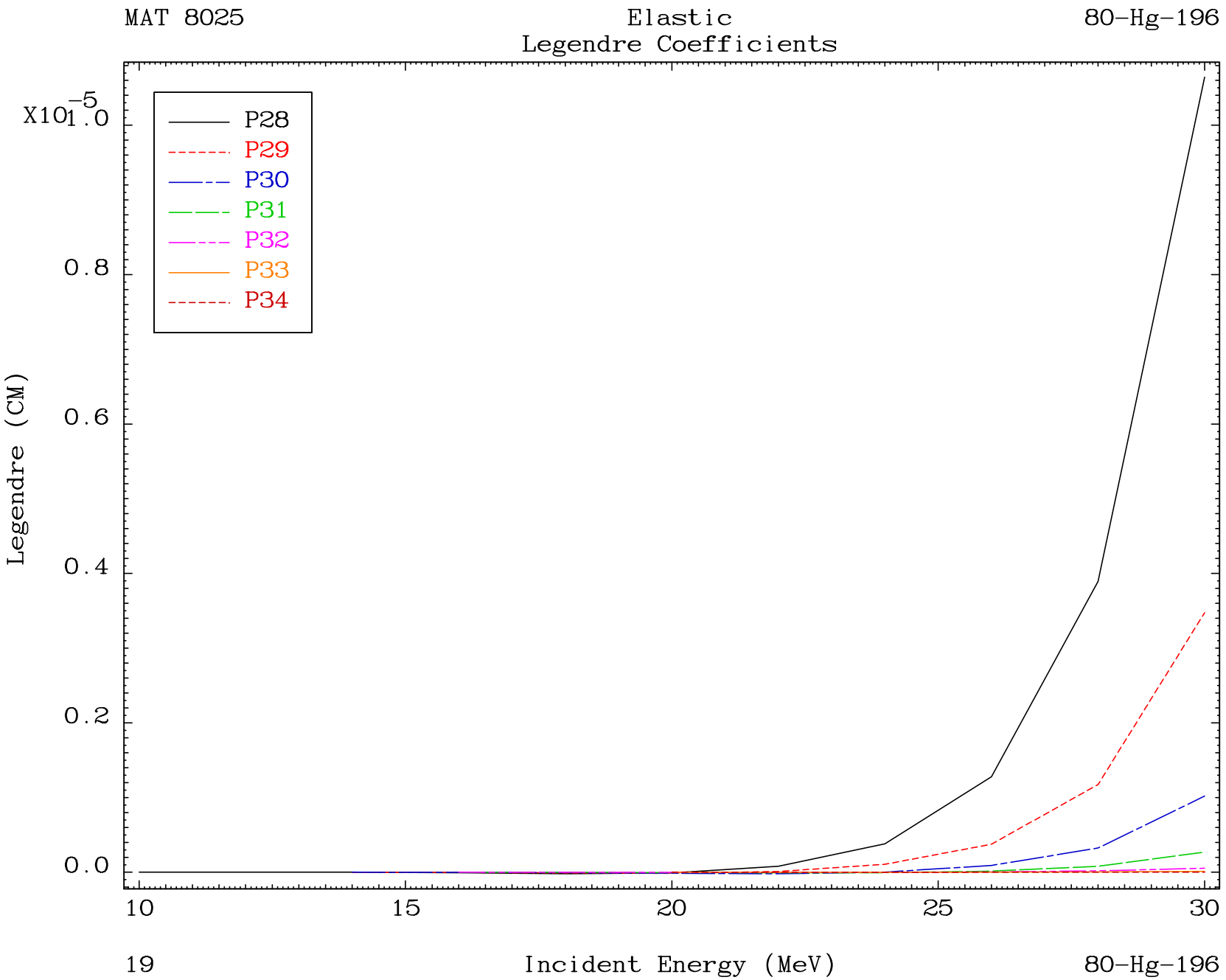

MAT 8025
(n,α) Levels
293 Kelvin Cross Sections
80-Hg-196
(n,α)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
80-Hg-196

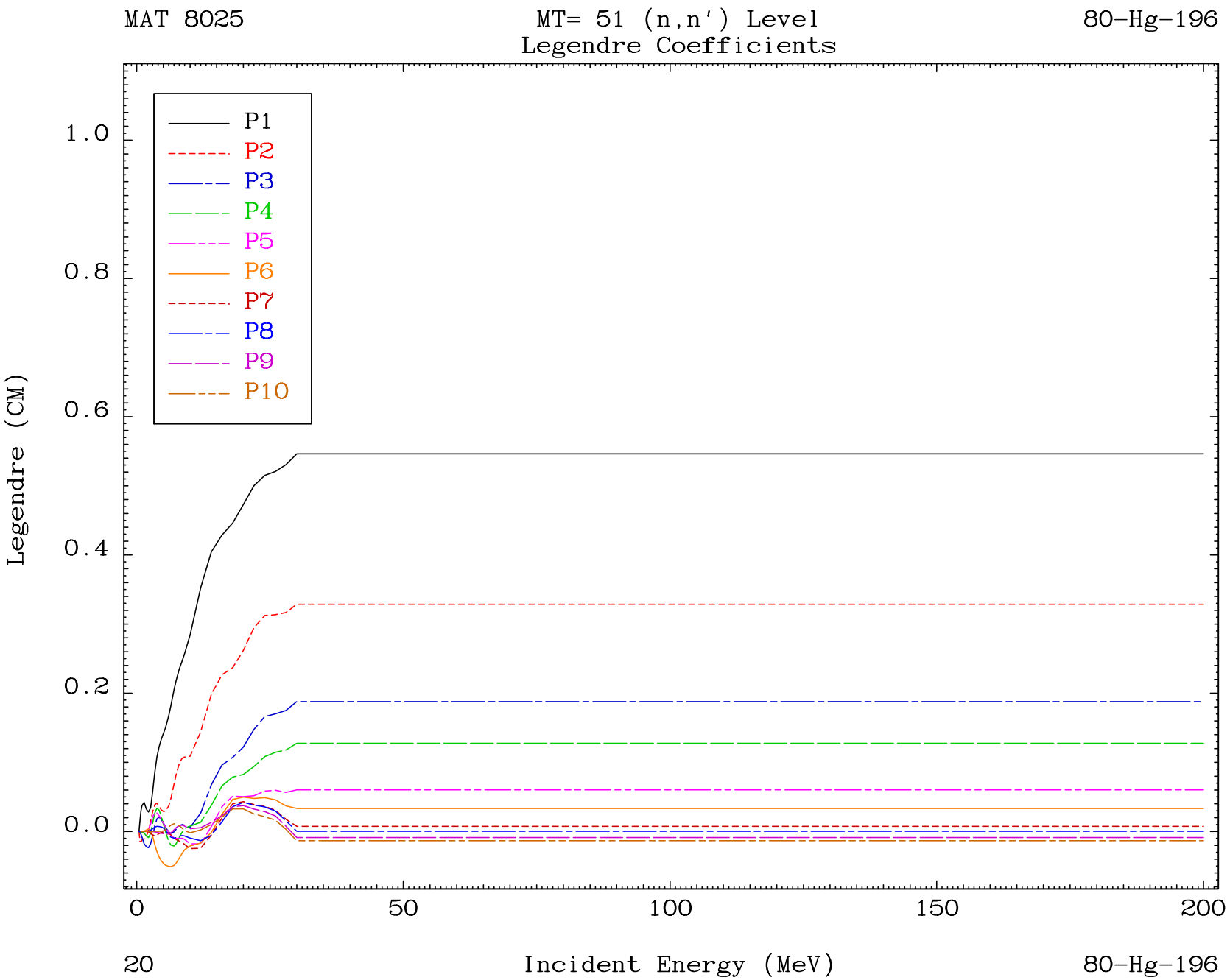

MAT 8025
Energy Release
Parameters
80-Hg-196
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^{16}
10^{14}
10^{12}
10^{10}
10^{8}
10^{6}
10^{4}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
15
Incident Energy (MeV)
80-Hg-196

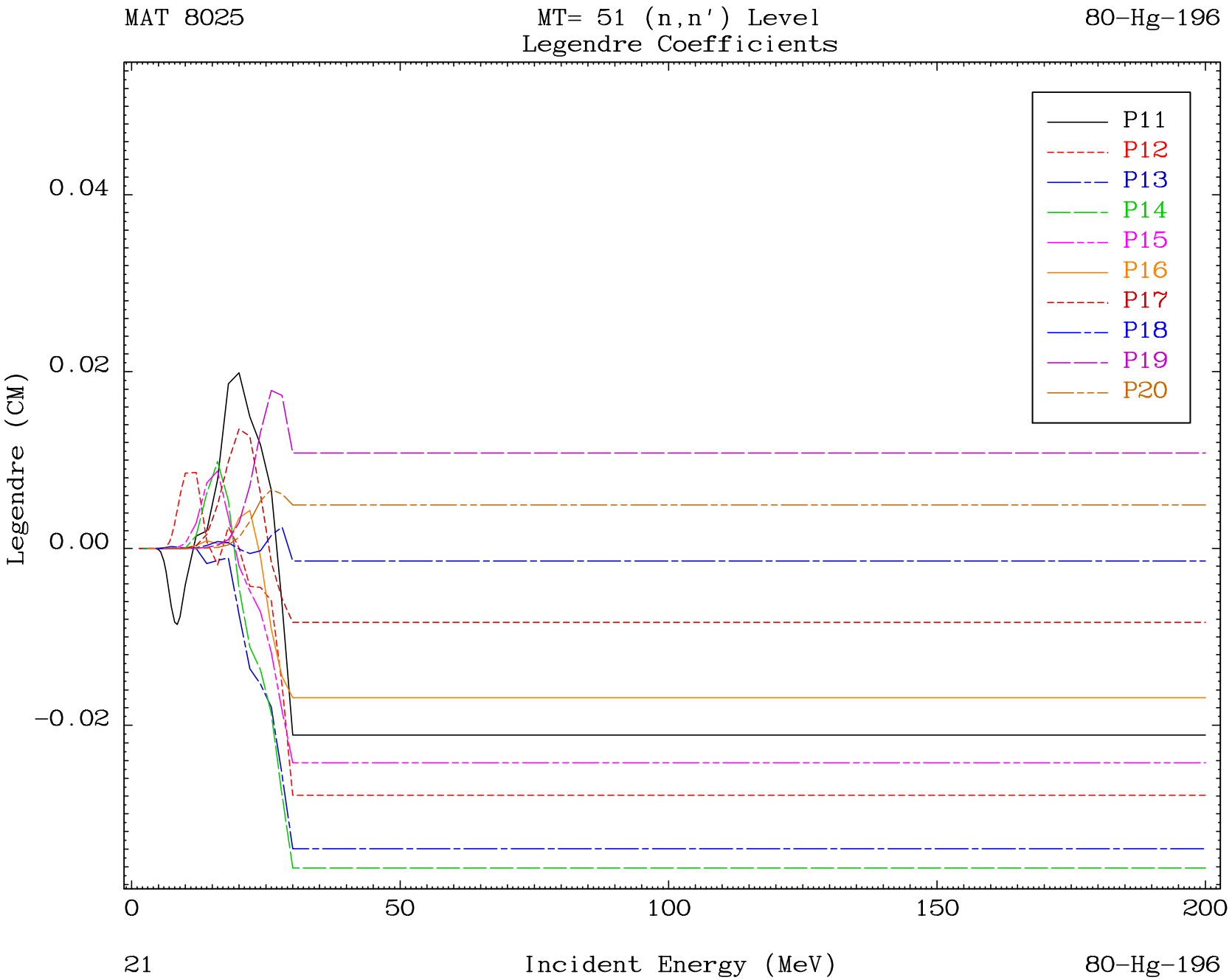

MAT 8025
Elastic
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9

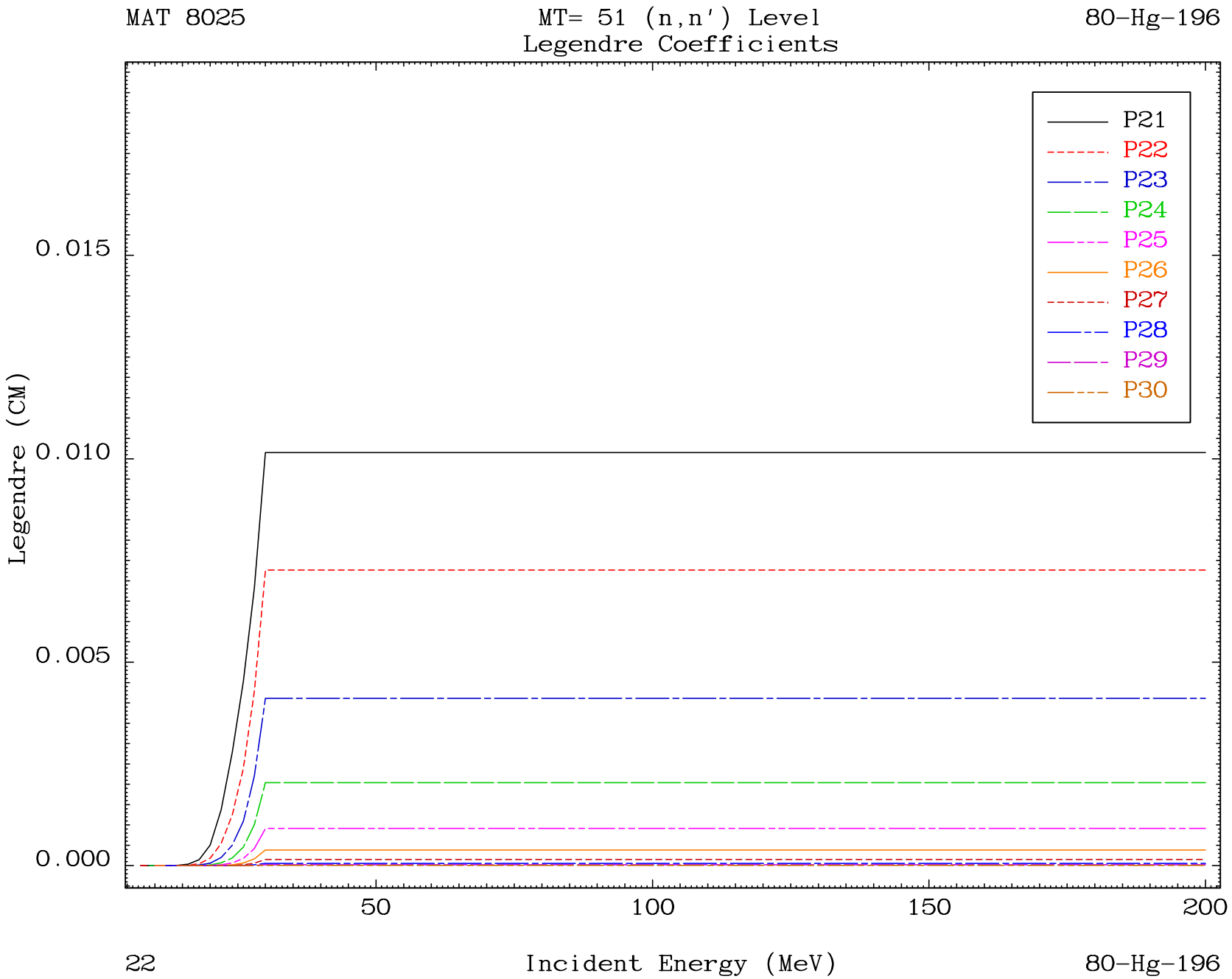

MAT 8025
Elastic
Legendre Coefficients
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
10
20
30
17
Incident Energy (MeV)
80-Hg-196

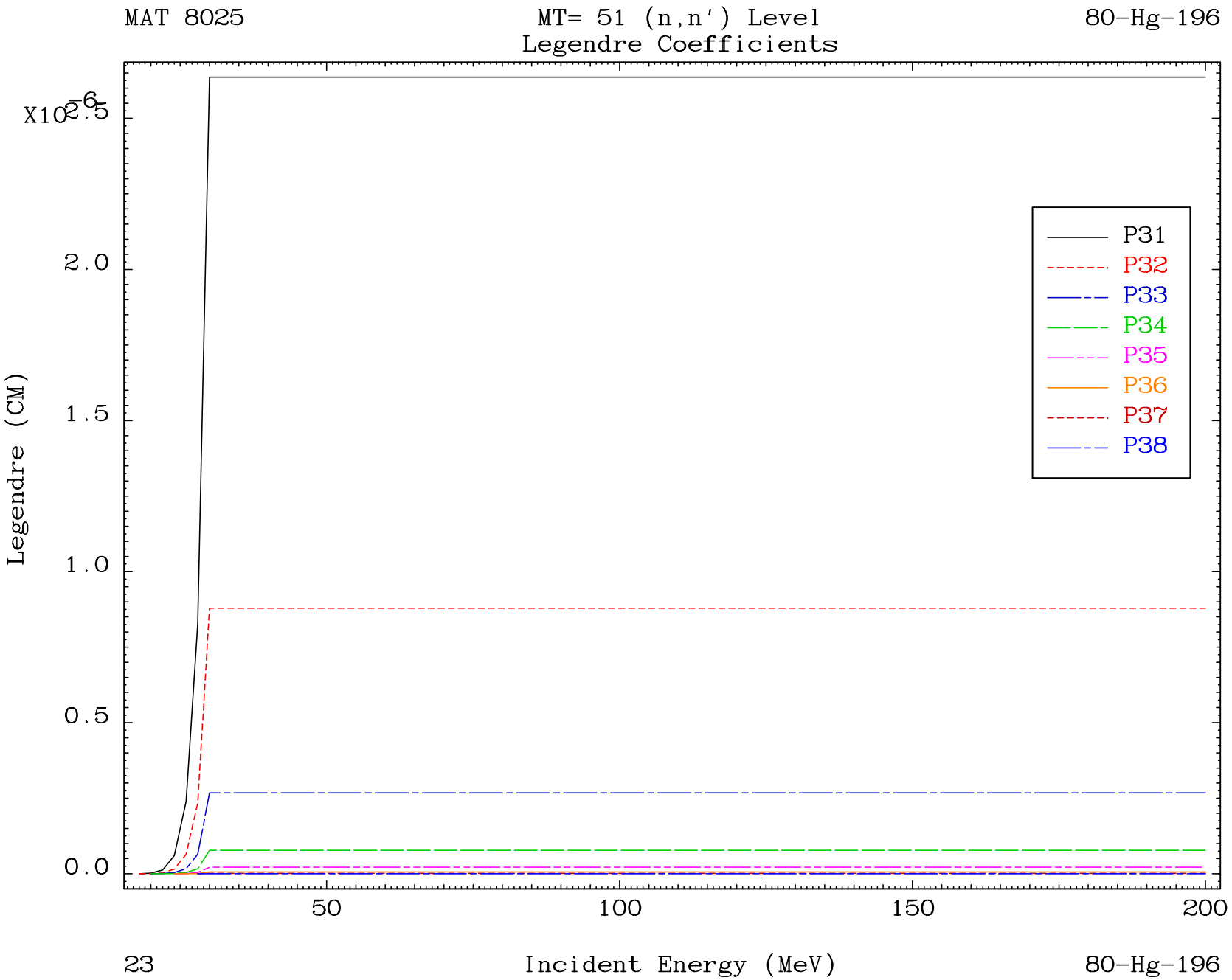

MAT 8025
Elastic
Legendre Coefficients
80-Hg-196
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.03
0.02
0.01
0.00
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
80-Hg-196

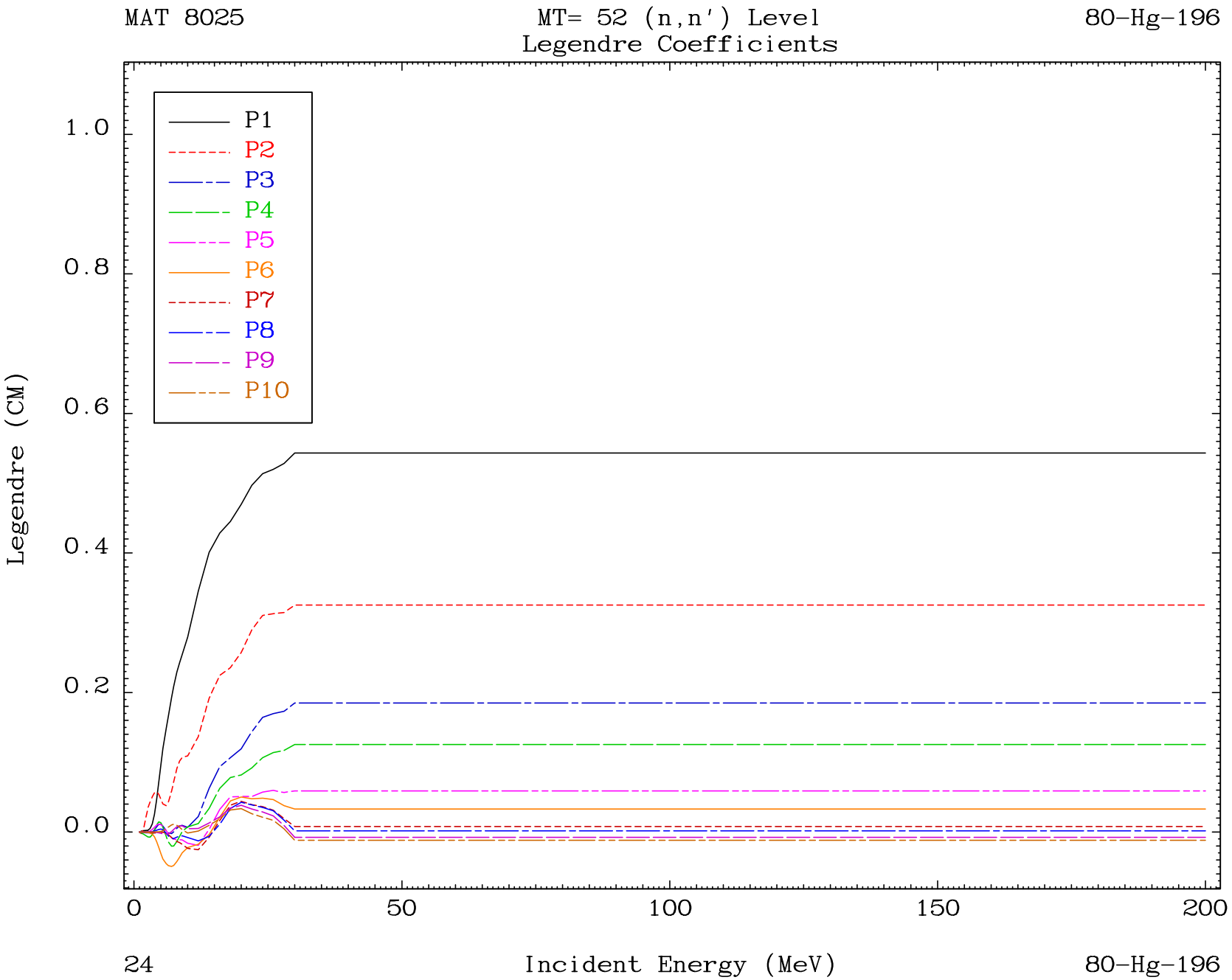

MAT 8025
Elastic
Legendre Coefficients
80-Hg-196
X10-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
80-Hg-196

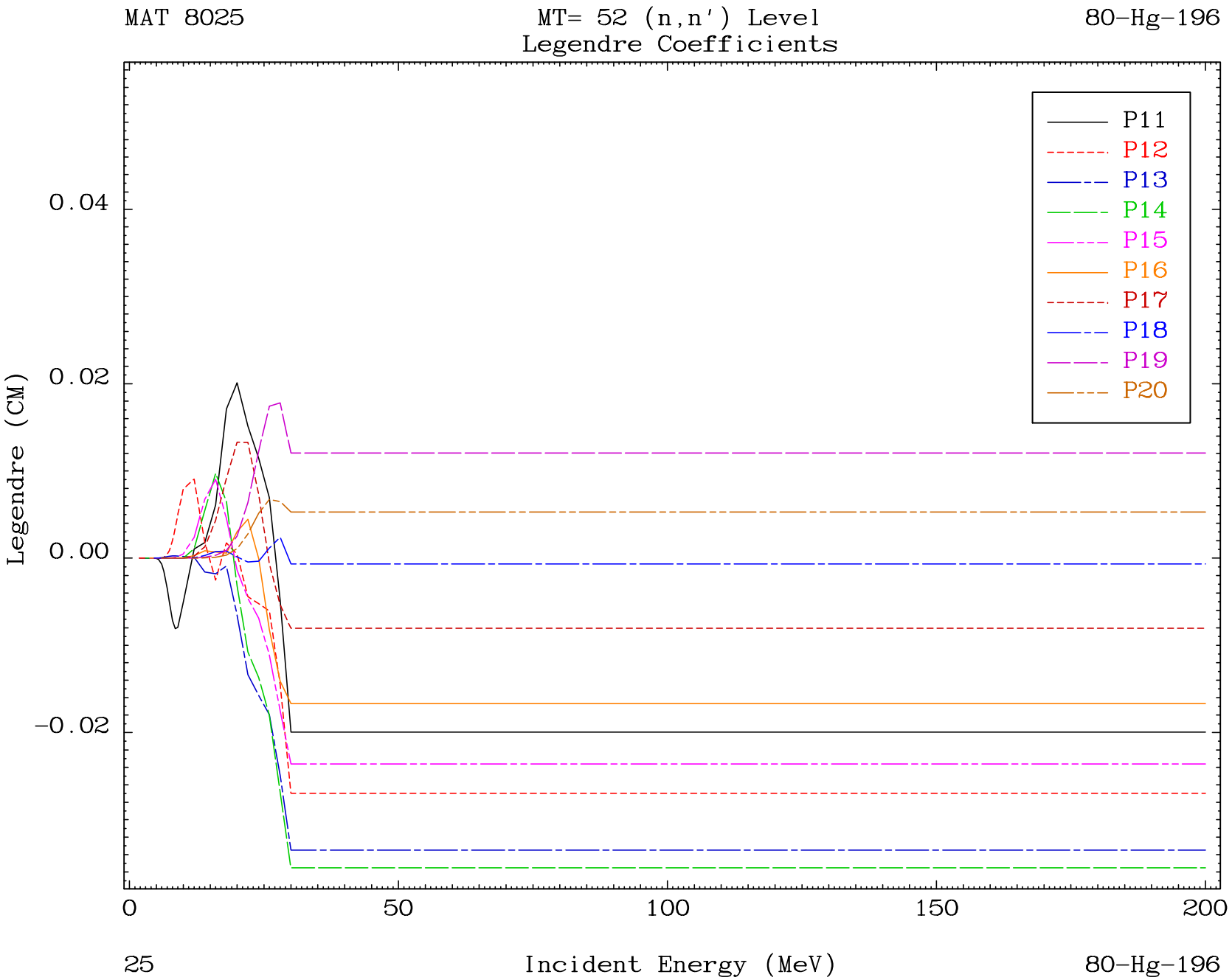

MAT 8025
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
20
Incident Energy (MeV)
80-Hg-196

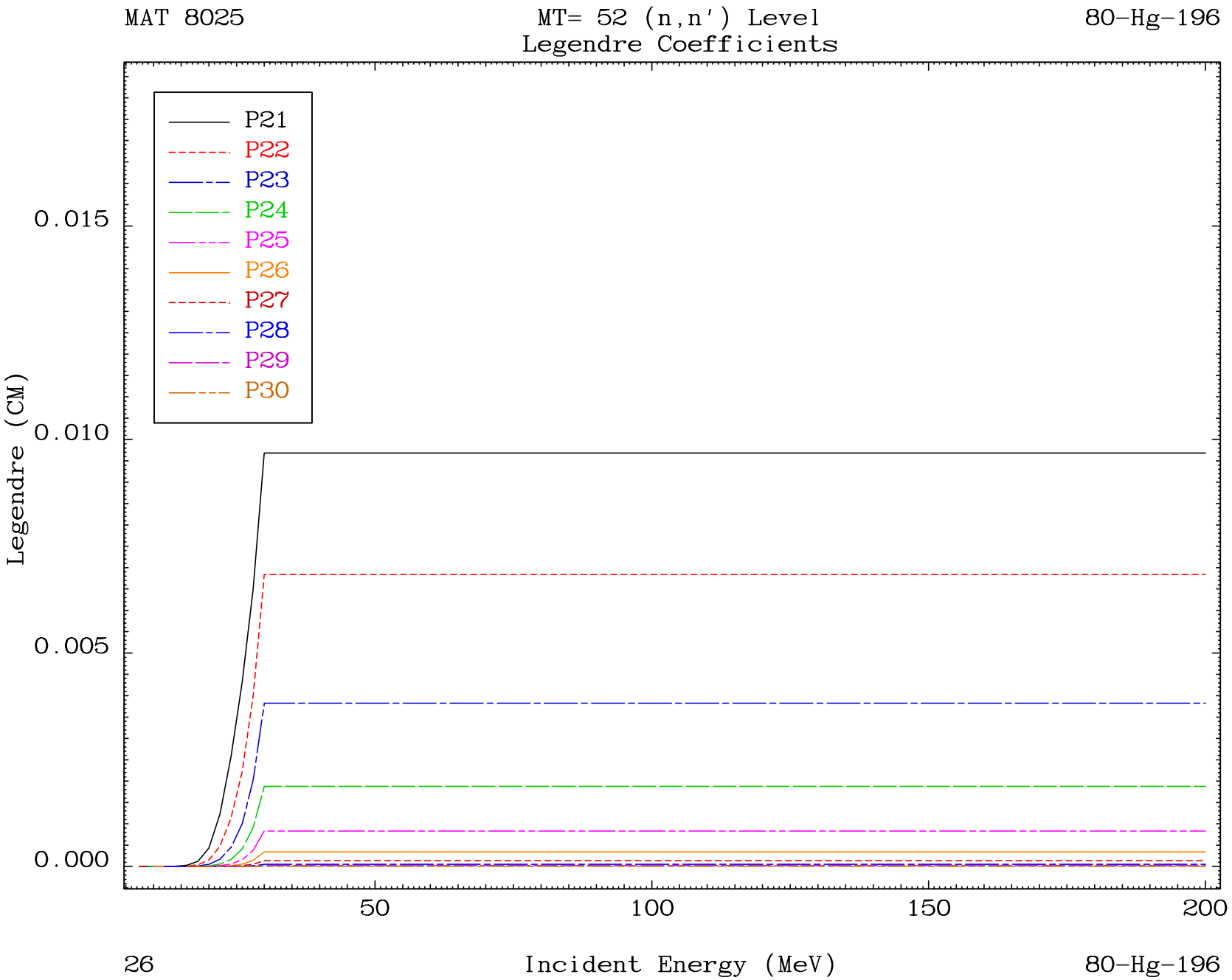

MAT 8025
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
80-Hg-196

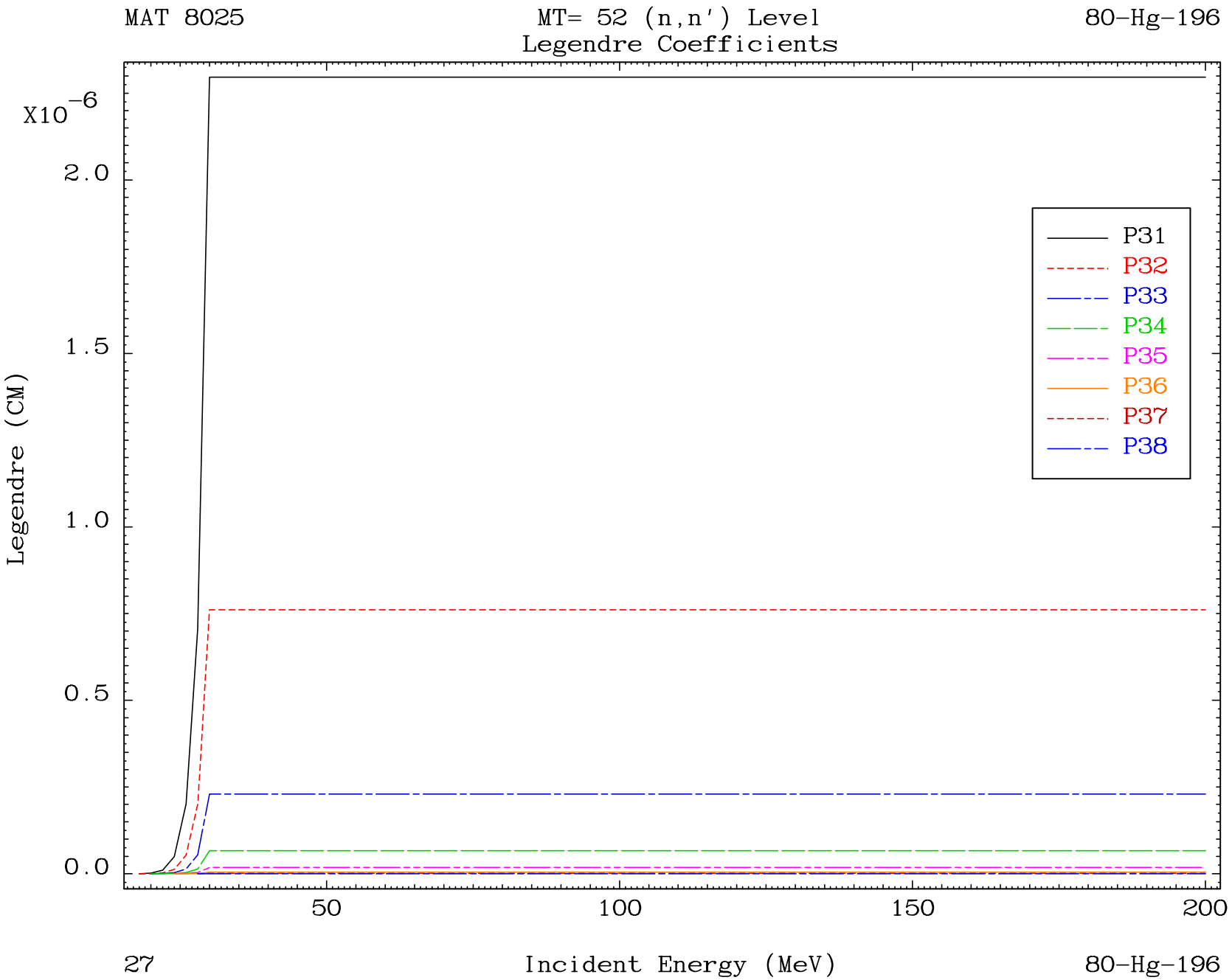

MAT 8025
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
80-Hg-196

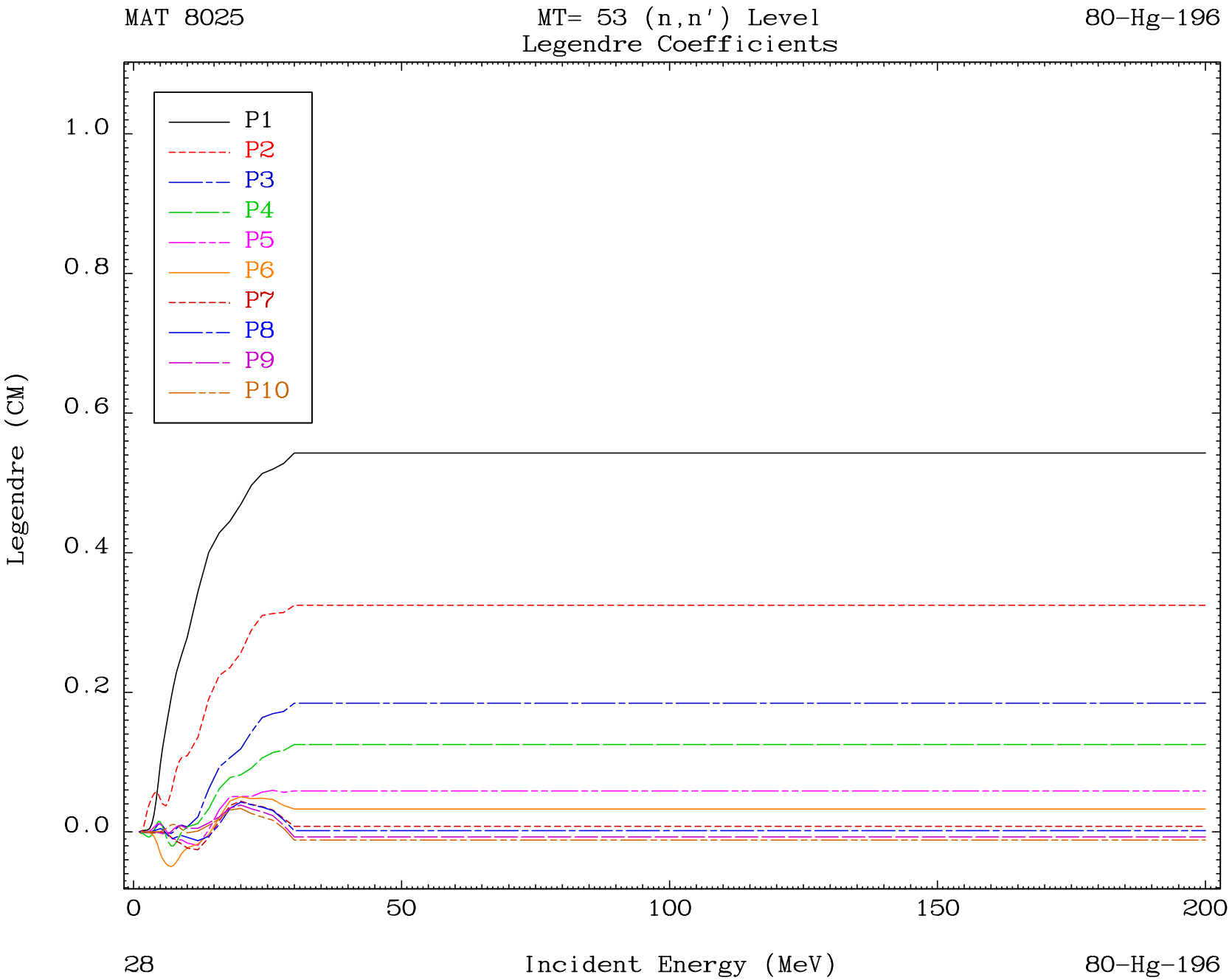

MAT 8025
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
80-Hg-196
P31
P32
P33
P34
P35
P36
P37
P38

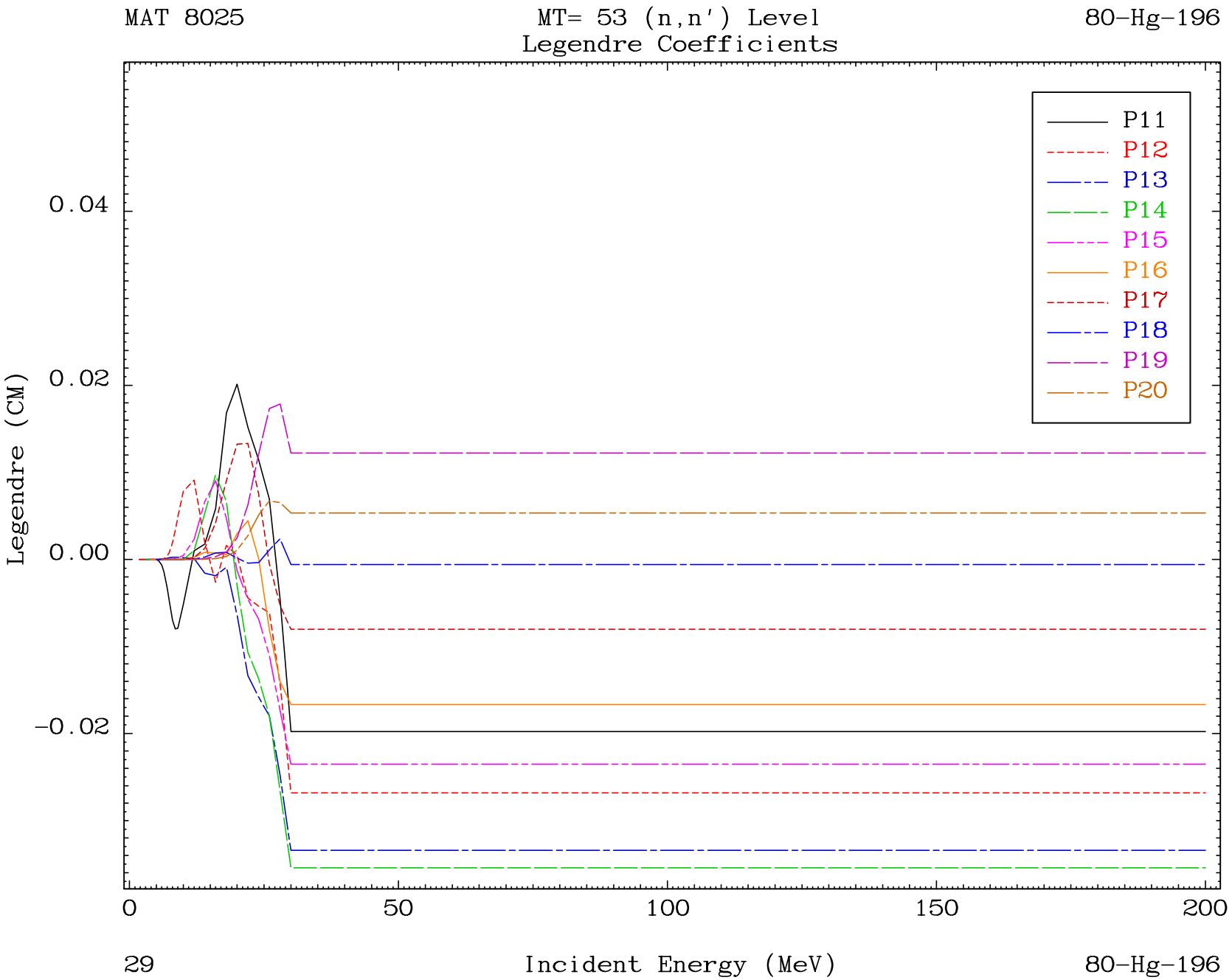

MAT 8025
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
80-Hg-196

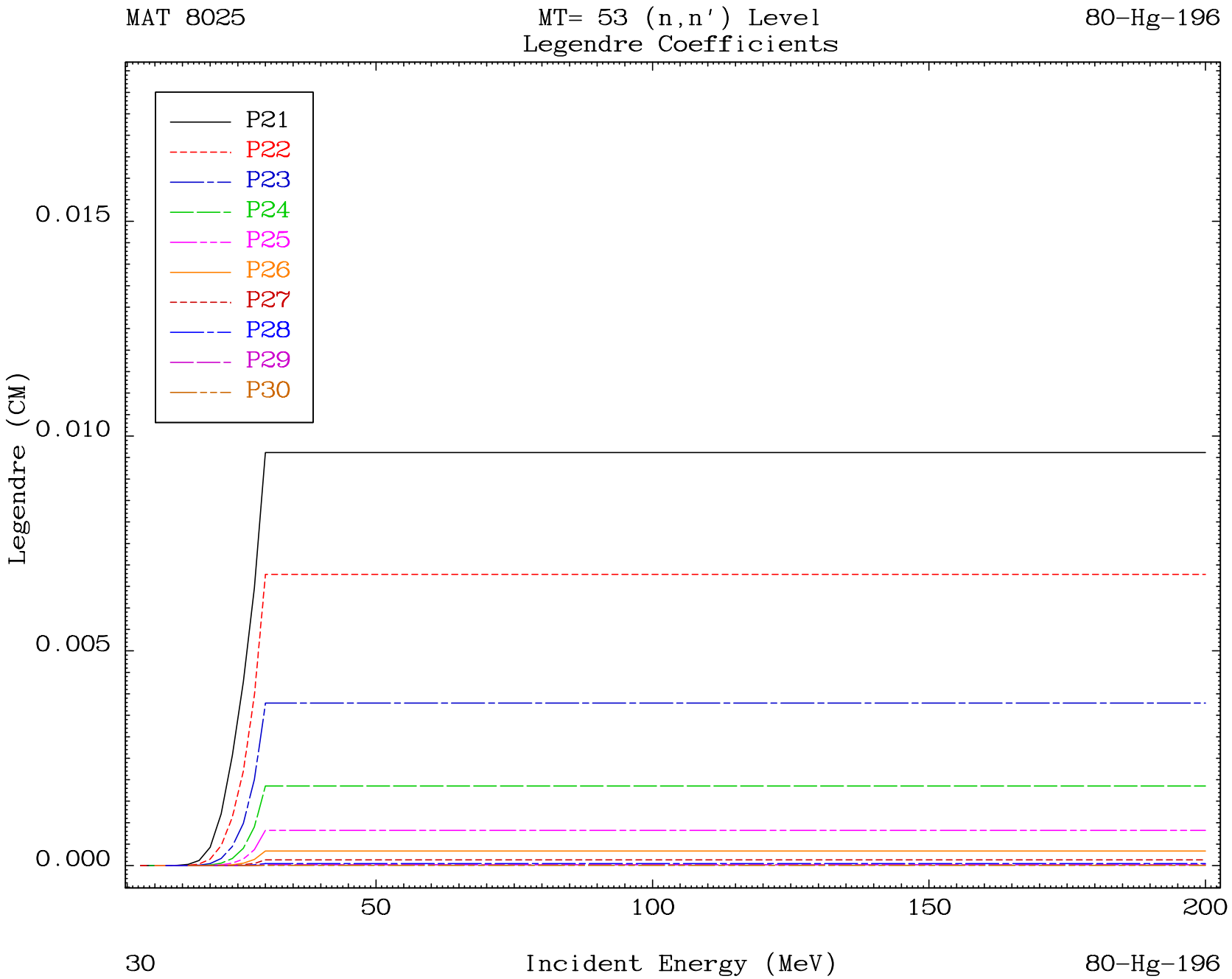

MAT 8025
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
80-Hg-196

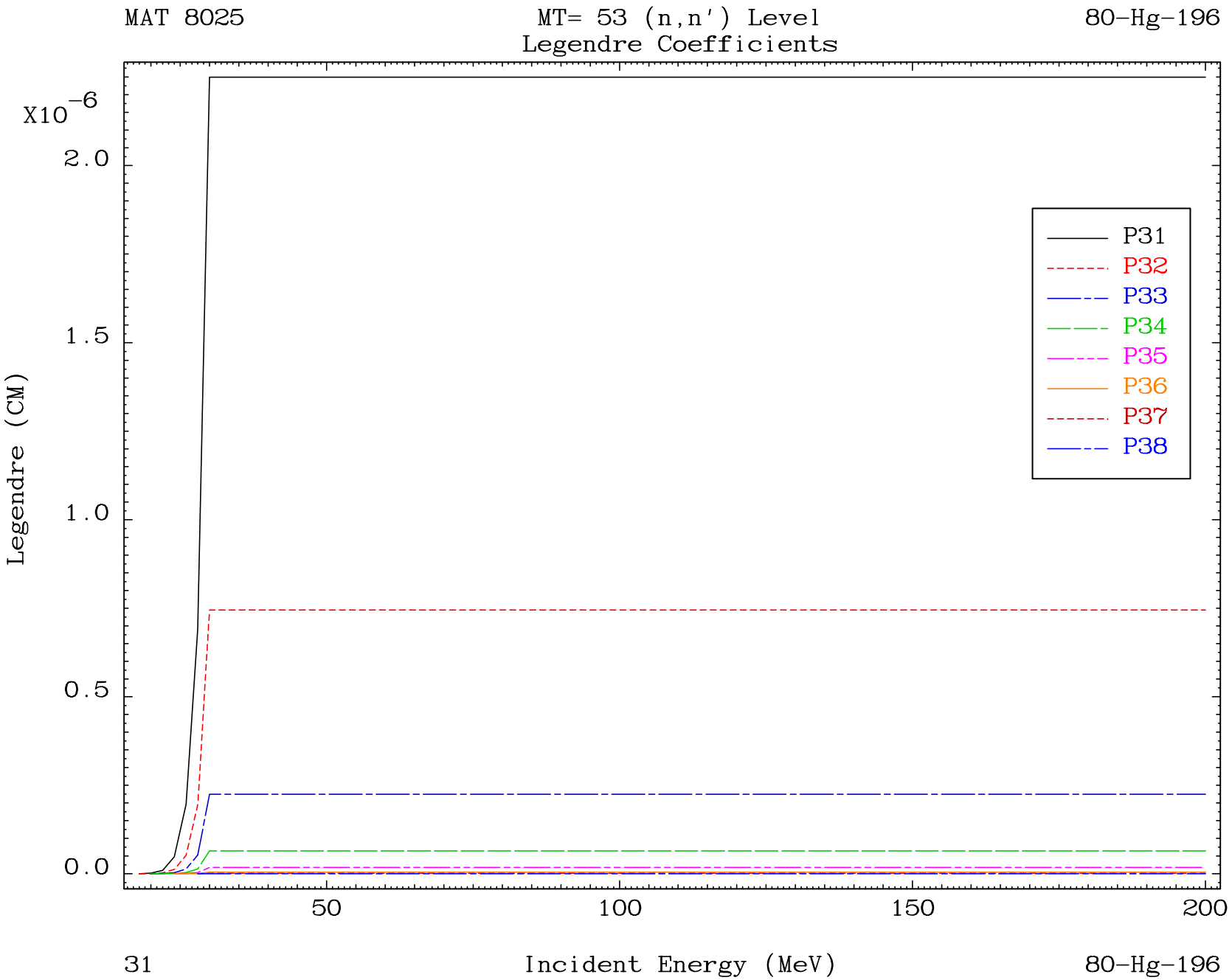

MAT 8025
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
80-Hg-196

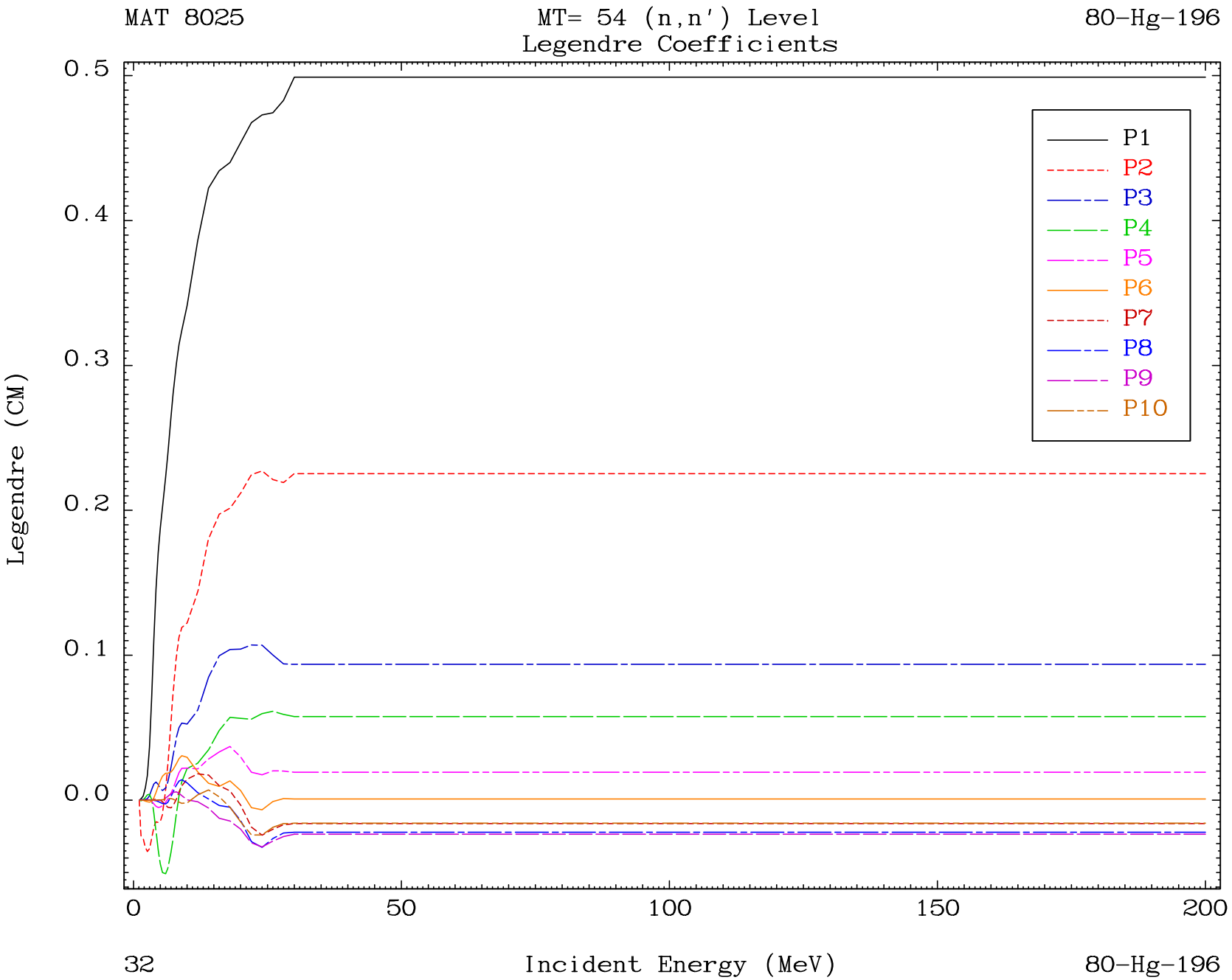

MAT 8025
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
27
Incident Energy (MeV)
80-Hg-196

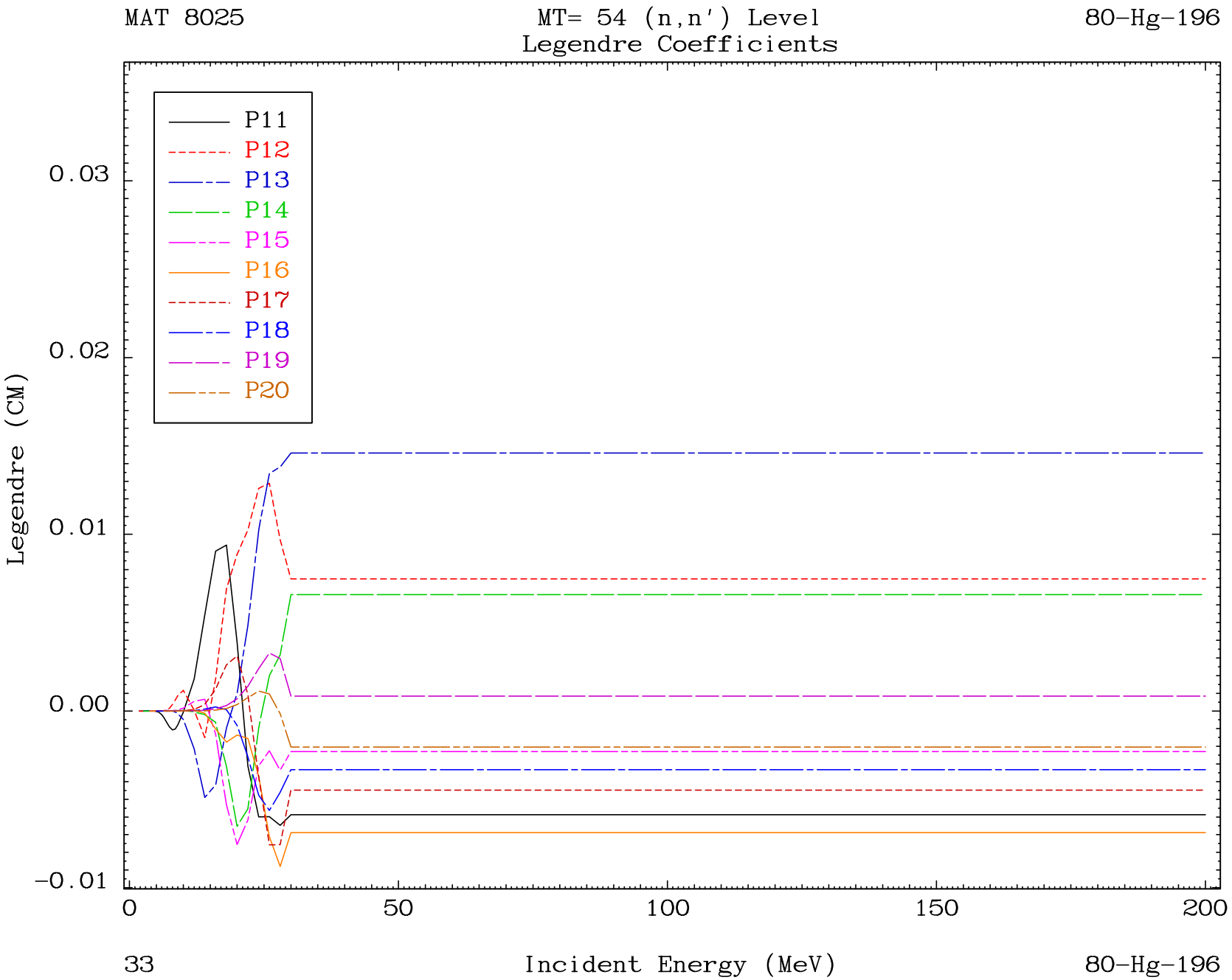

MAT 8025
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
28
Incident Energy (MeV)
80-Hg-196

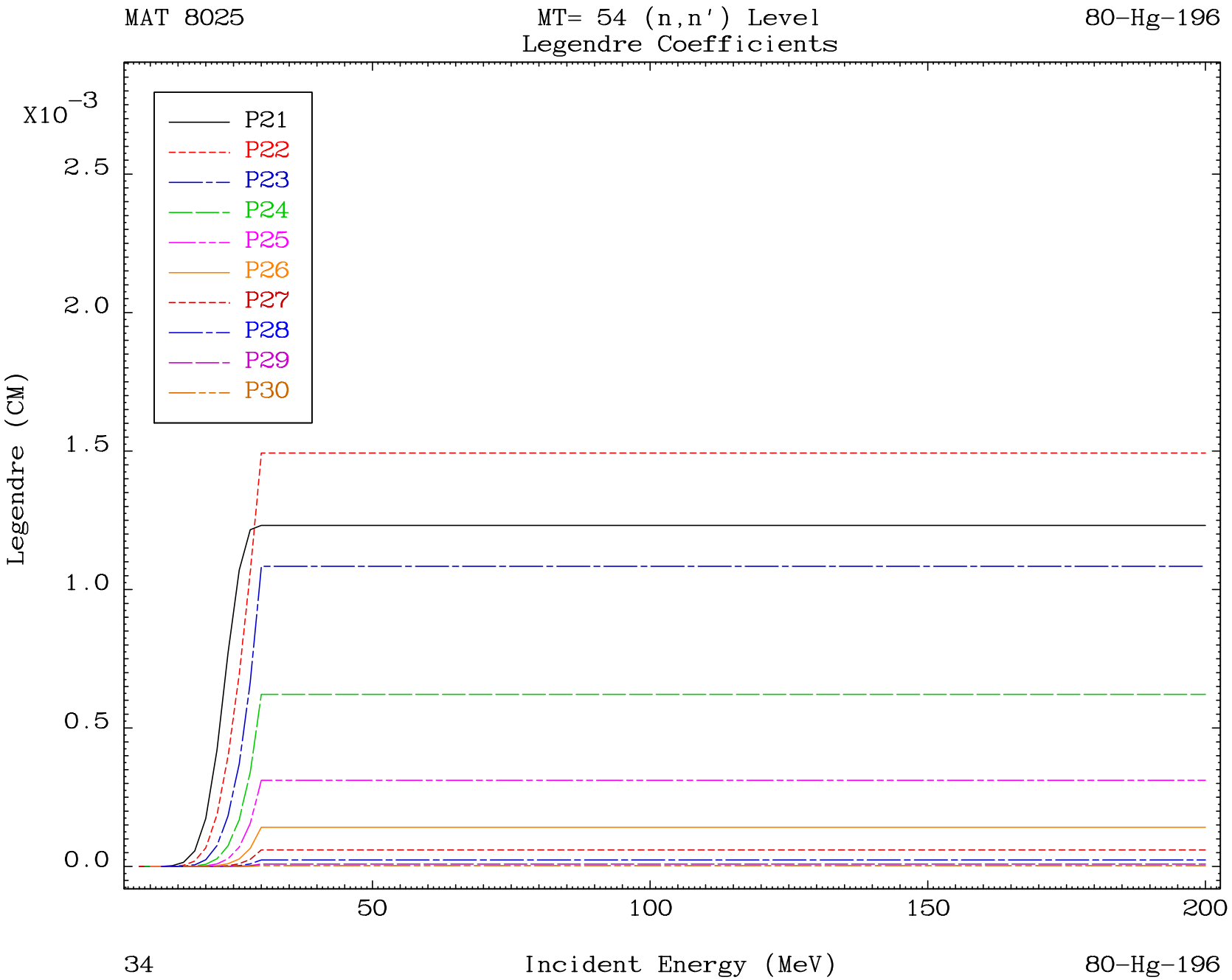

MAT 8025
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
80-Hg-196

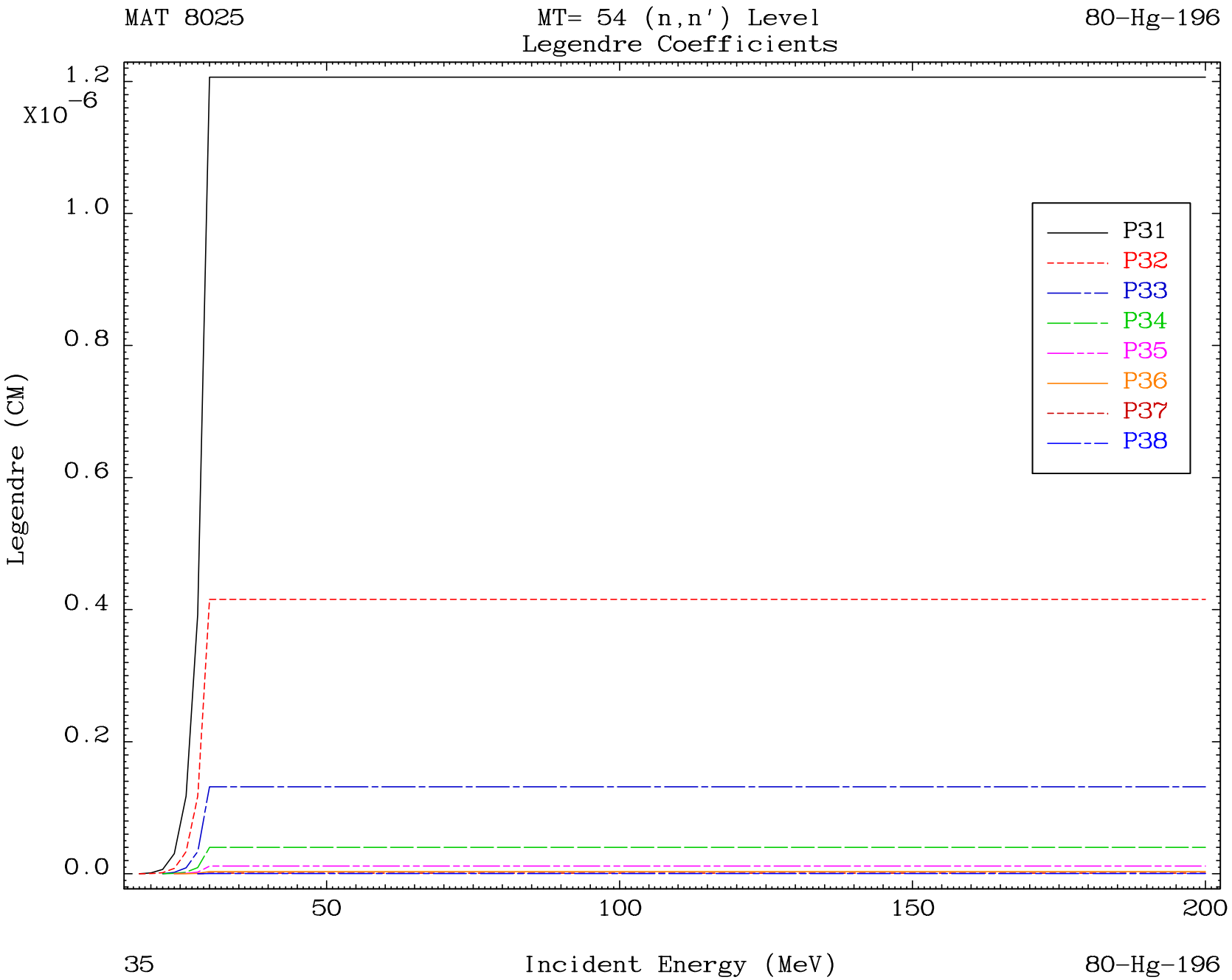

MAT 8025
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
30
Incident Energy (MeV)
80-Hg-196

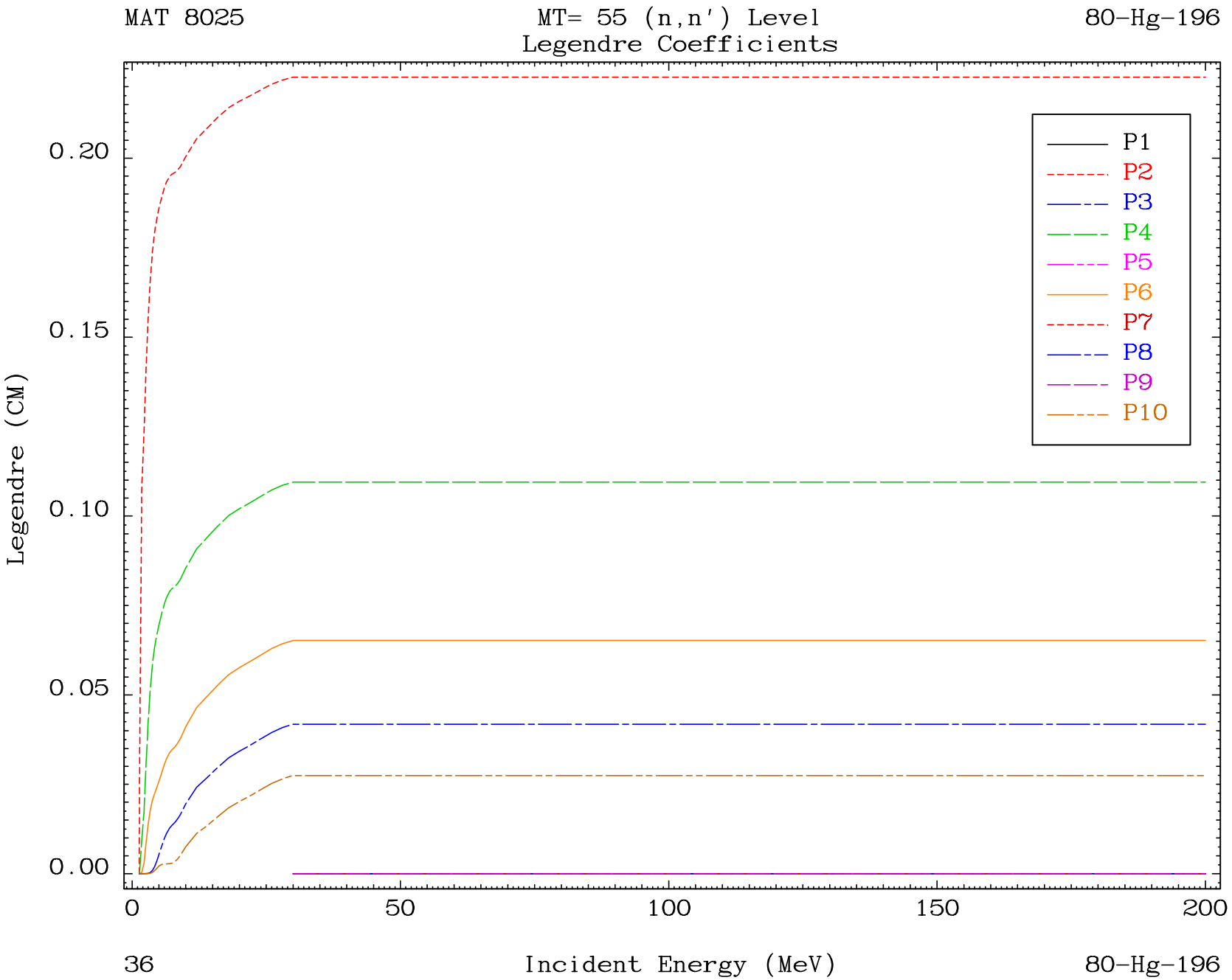

MAT 8025
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
31
Incident Energy (MeV)
80-Hg-196

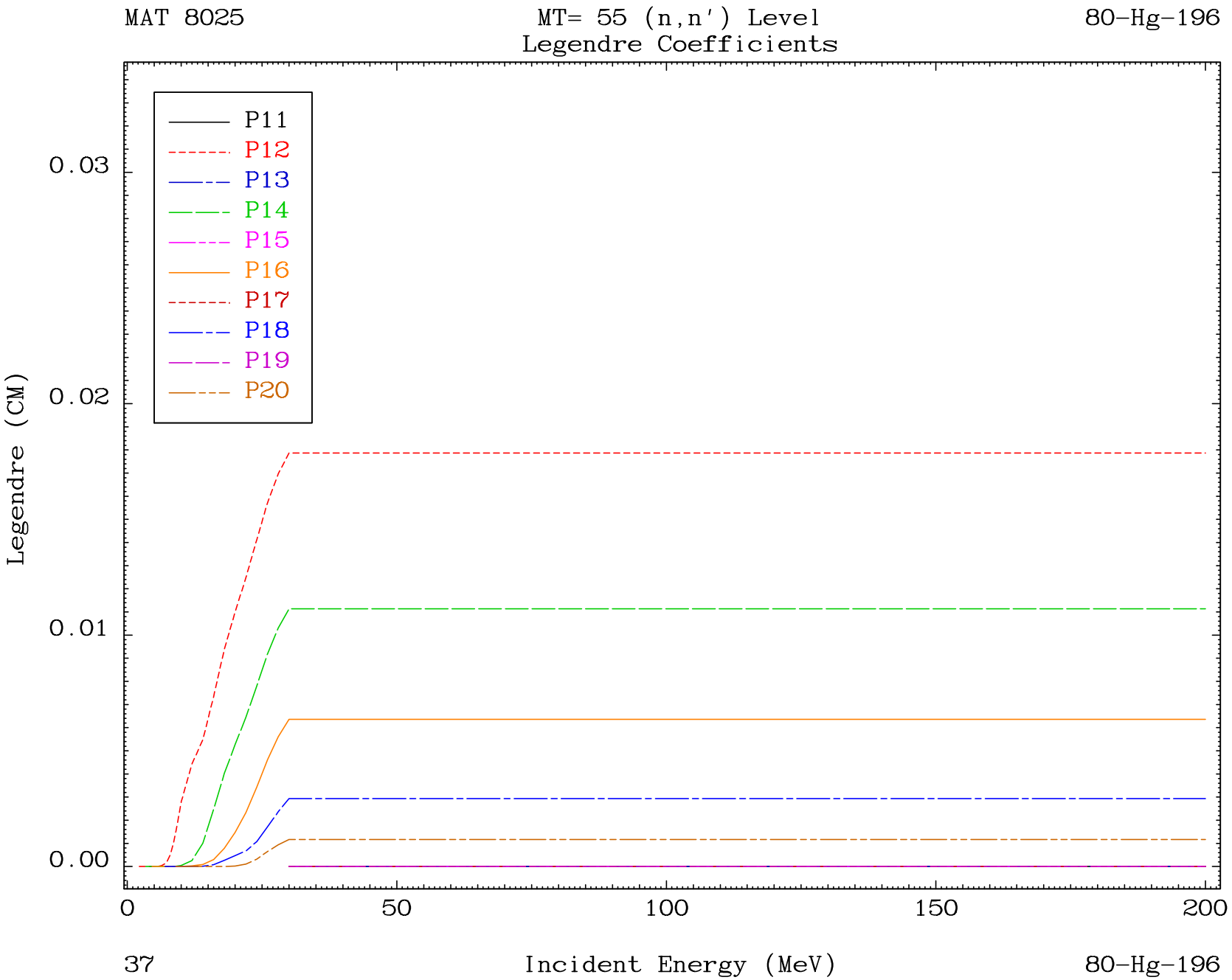

MAT 8025
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
32
Incident Energy (MeV)
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

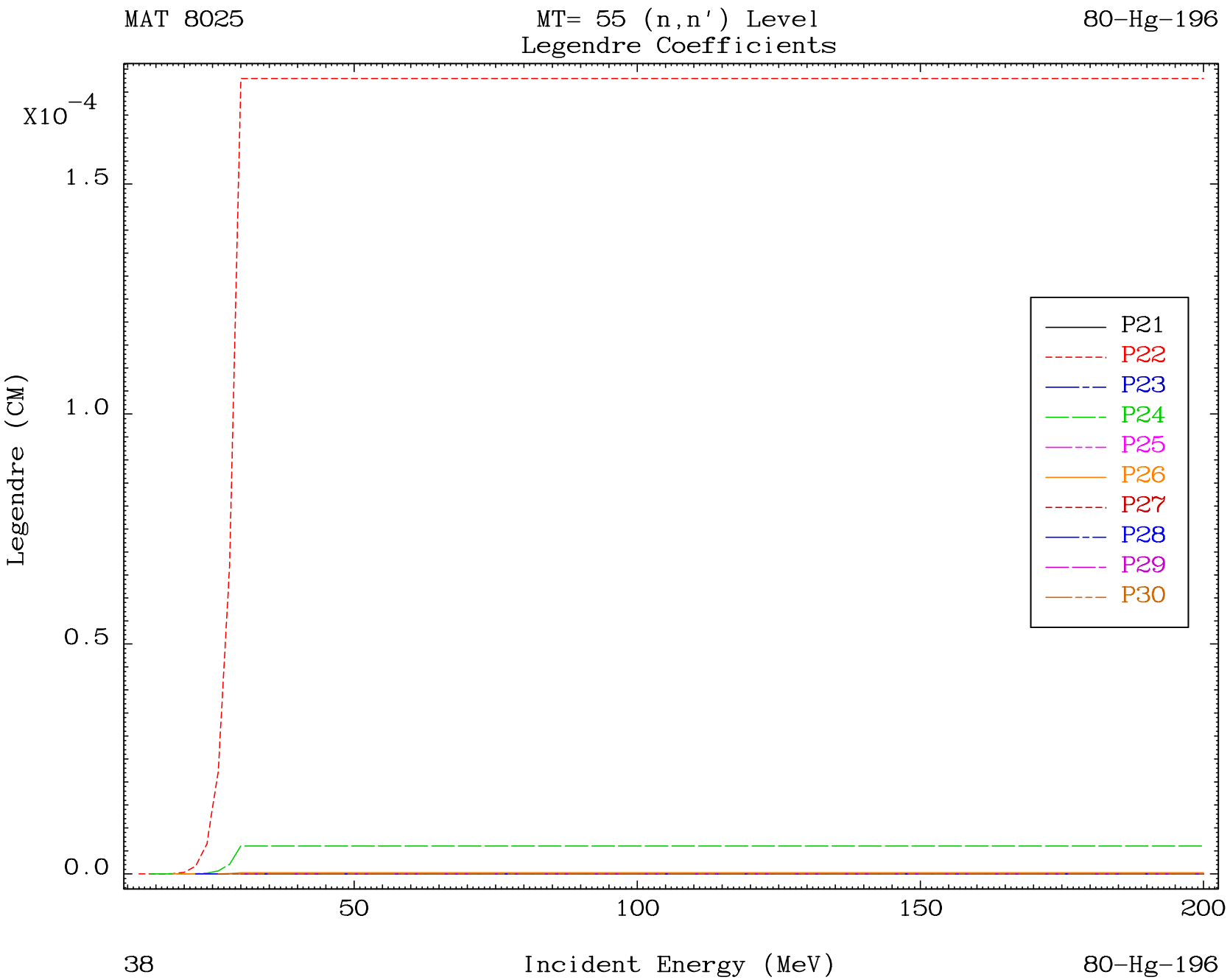

MAT 8025
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
80-Hg-196

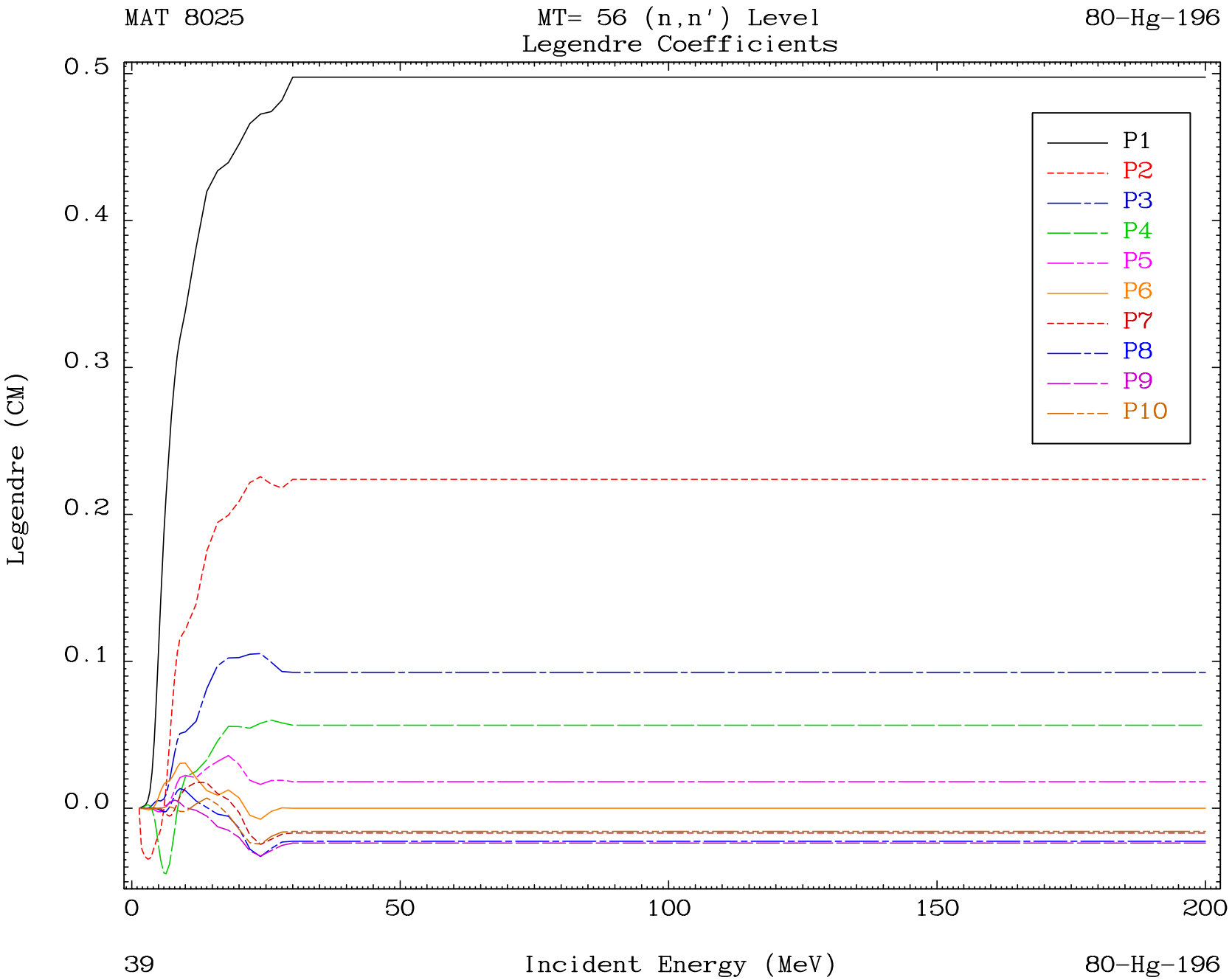

MAT 8025
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
34
Incident Energy (MeV)
80-Hg-196

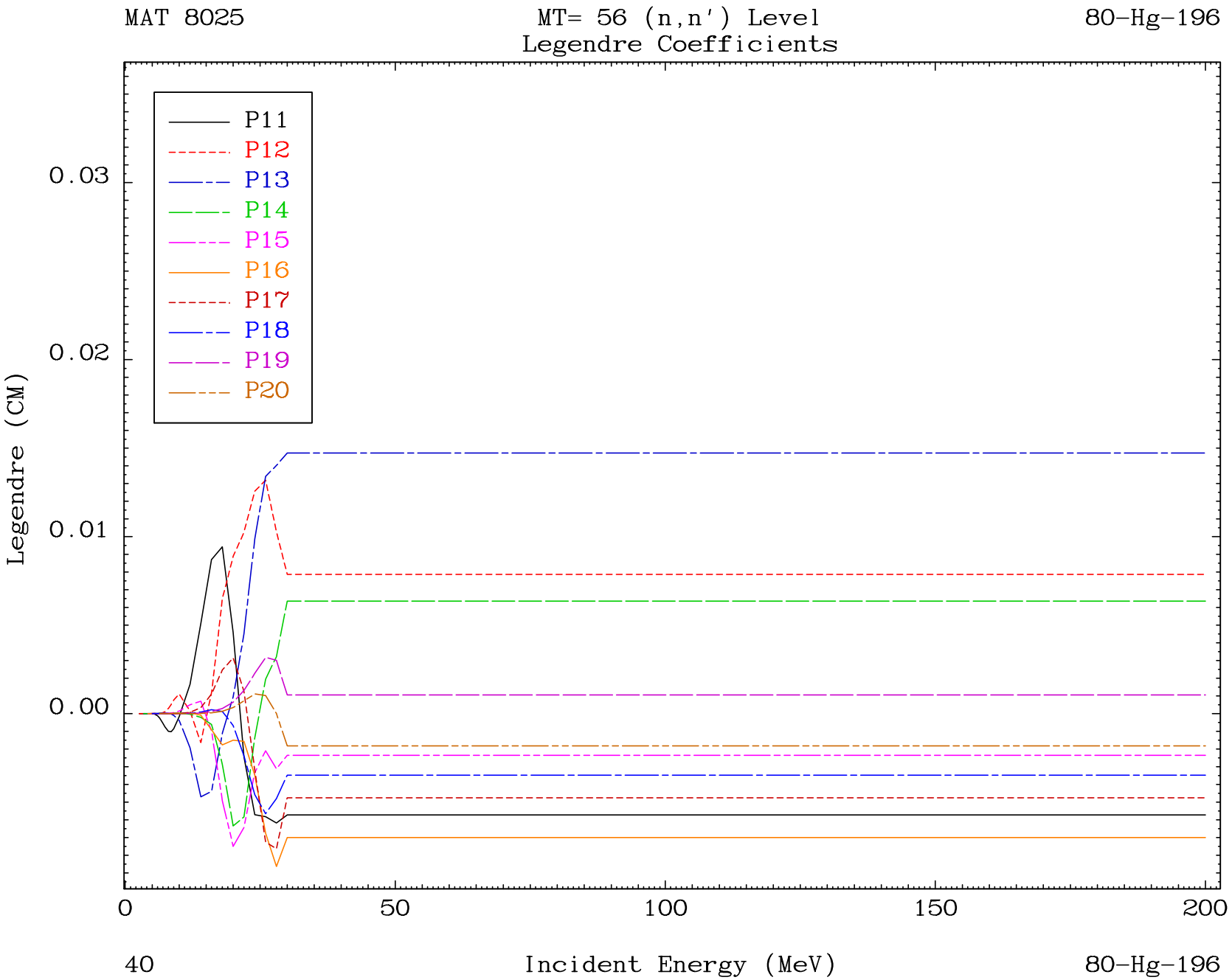

MAT 8025
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-196
X10 -6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
35
Incident Energy (MeV)
80-Hg-196

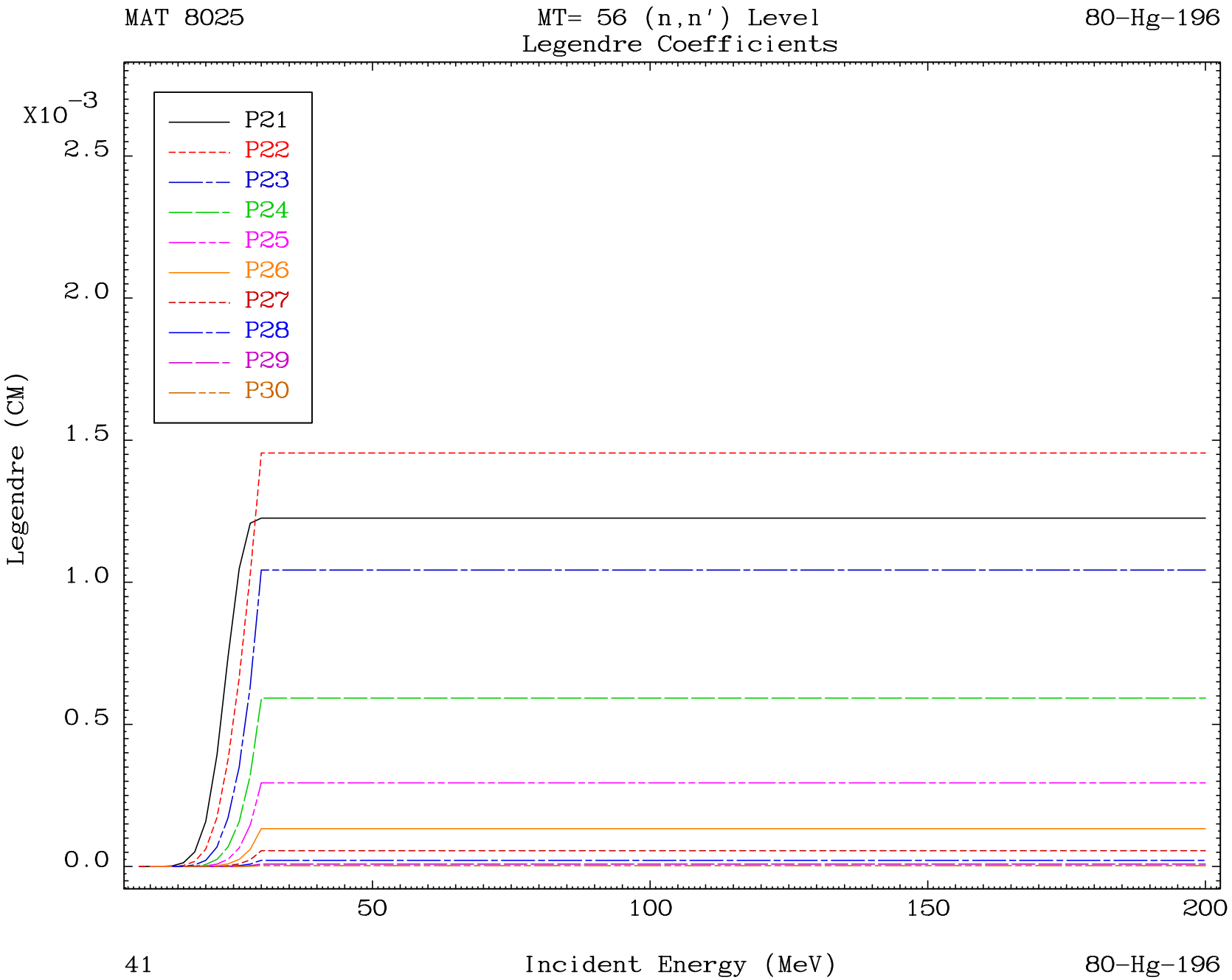

MAT 8025
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
36
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

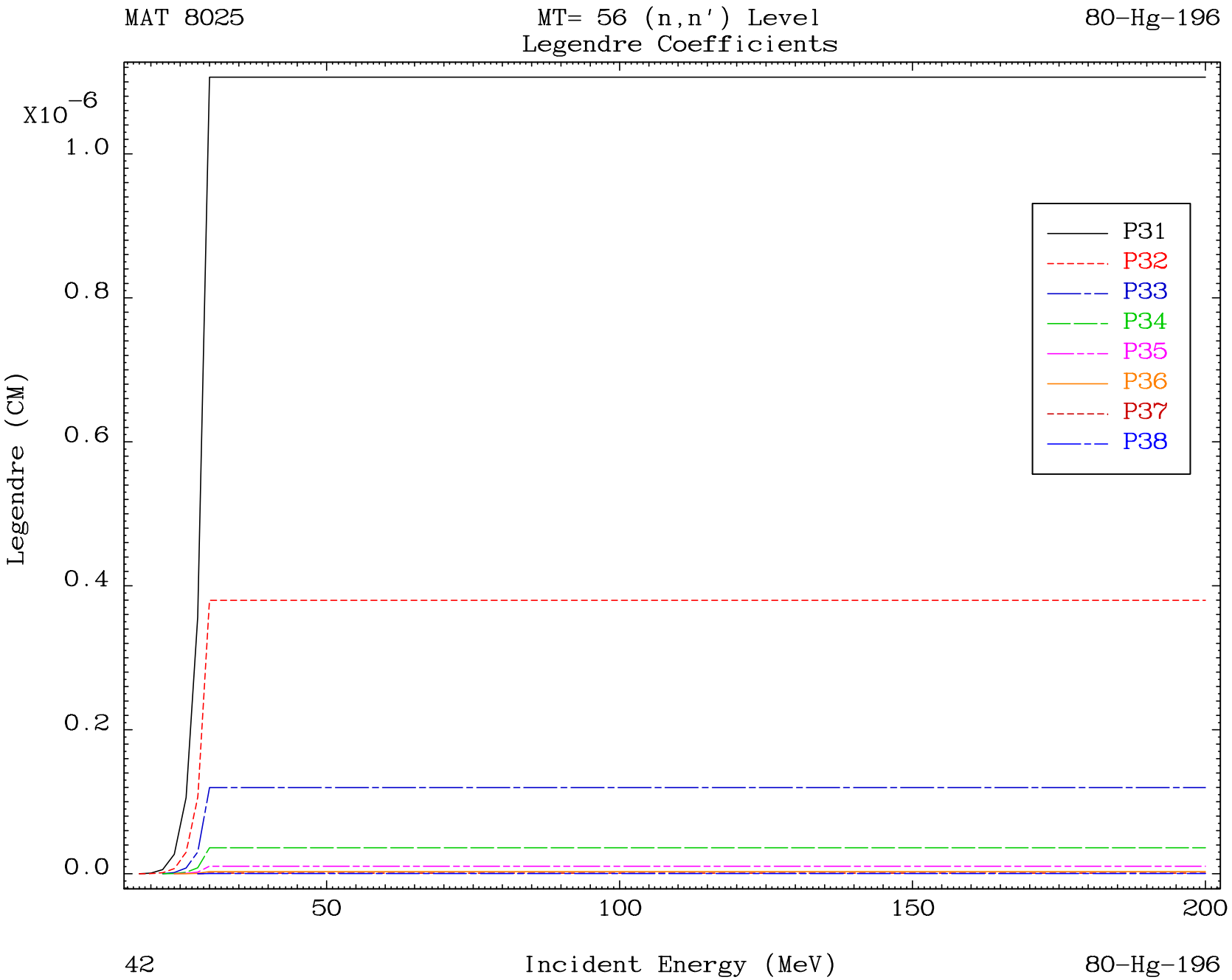

MAT 8025
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
80-Hg-196

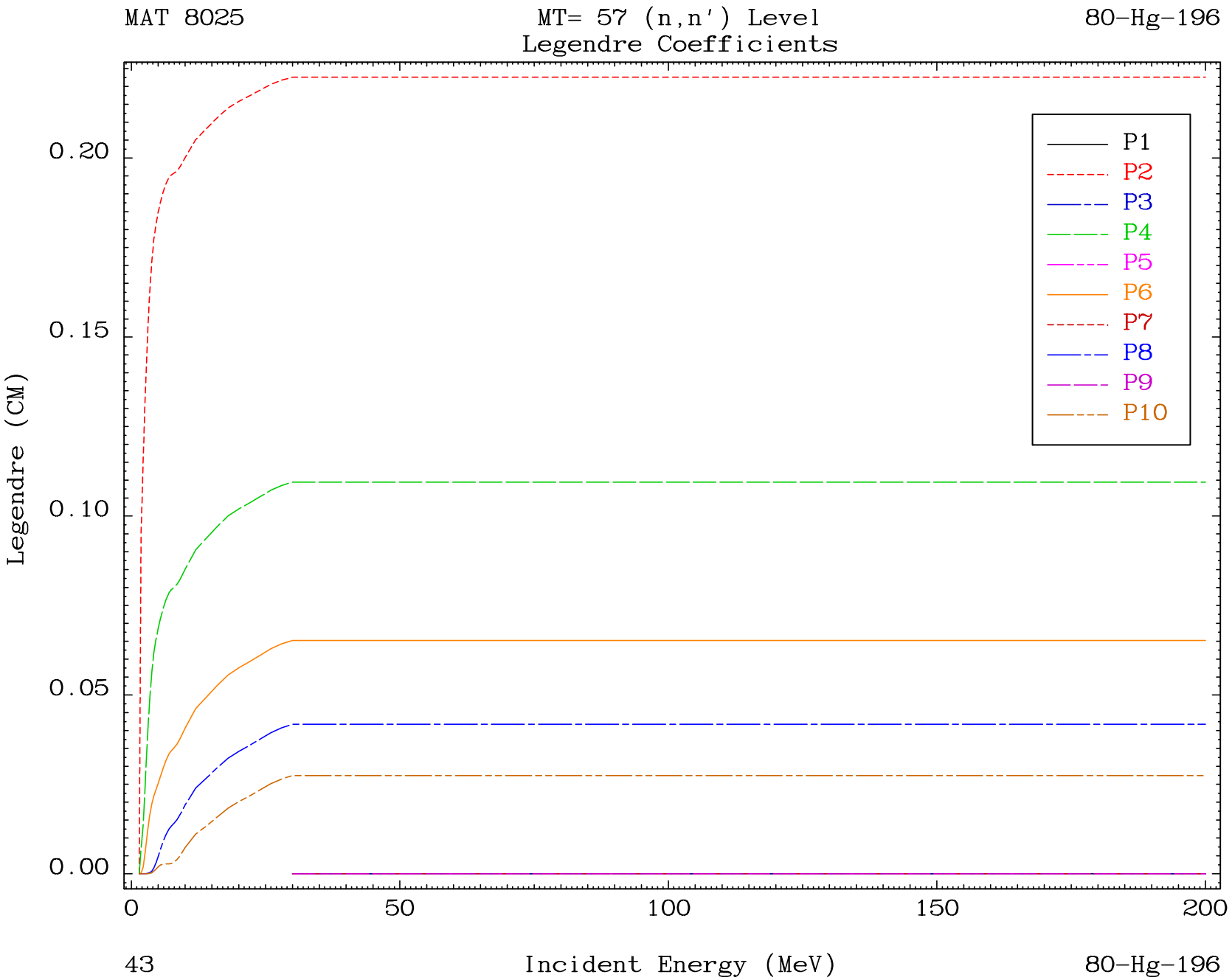

MAT 8025
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
38
Incident Energy (MeV)
80-Hg-196

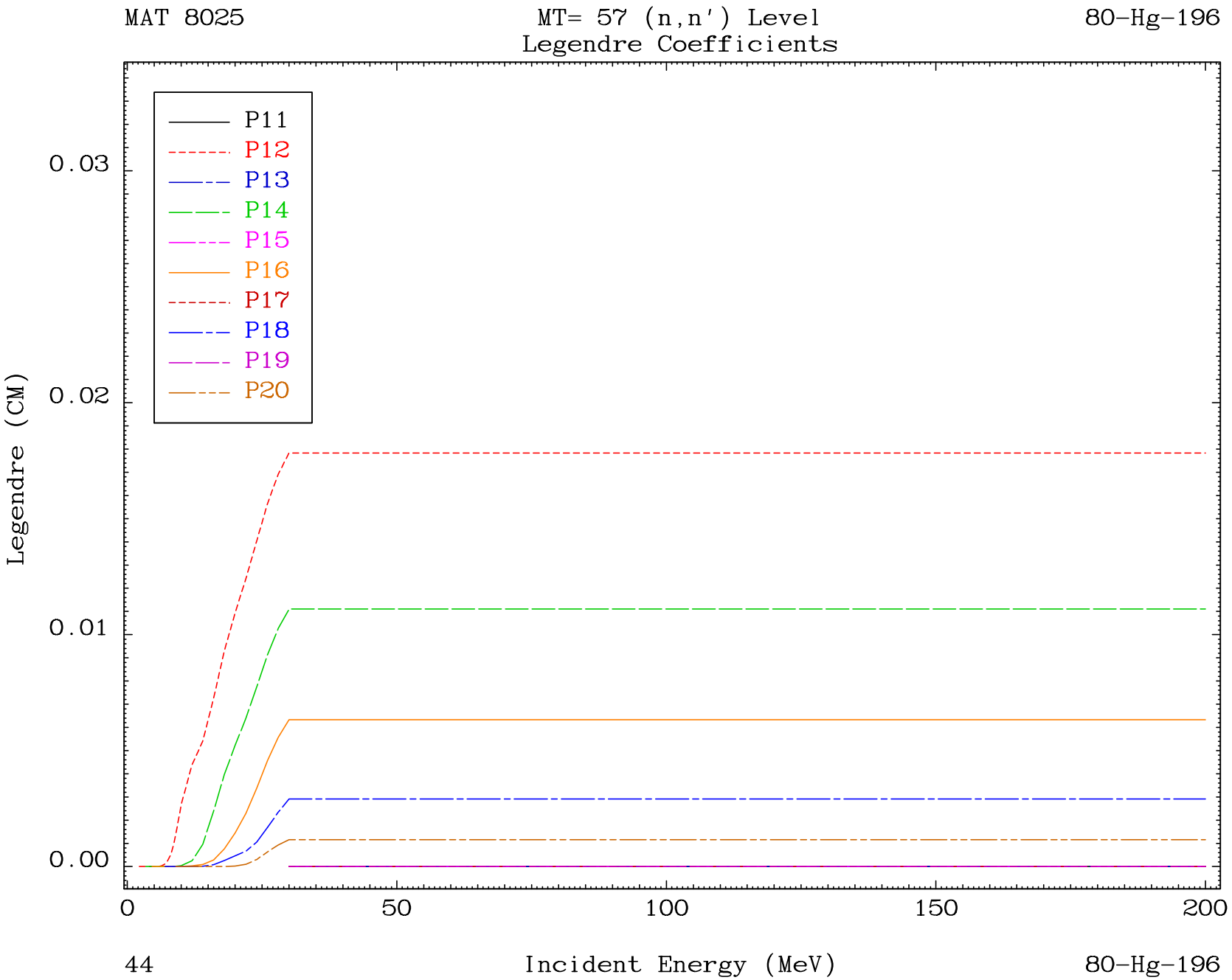

MAT 8025
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-196
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
39
Incident Energy (MeV)
80-Hg-196

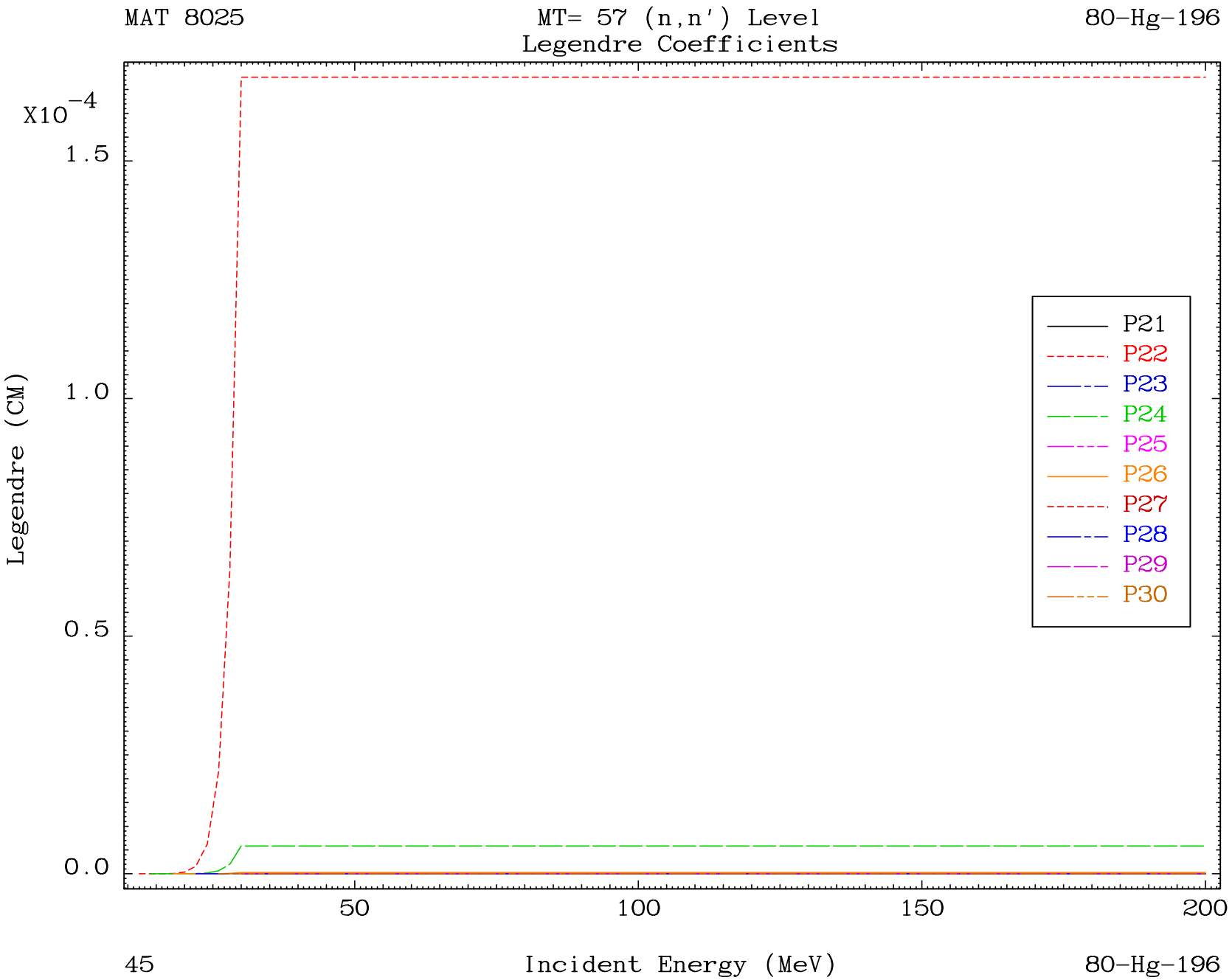

MAT 8025
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
40
Incident Energy (MeV)
80-Hg-196

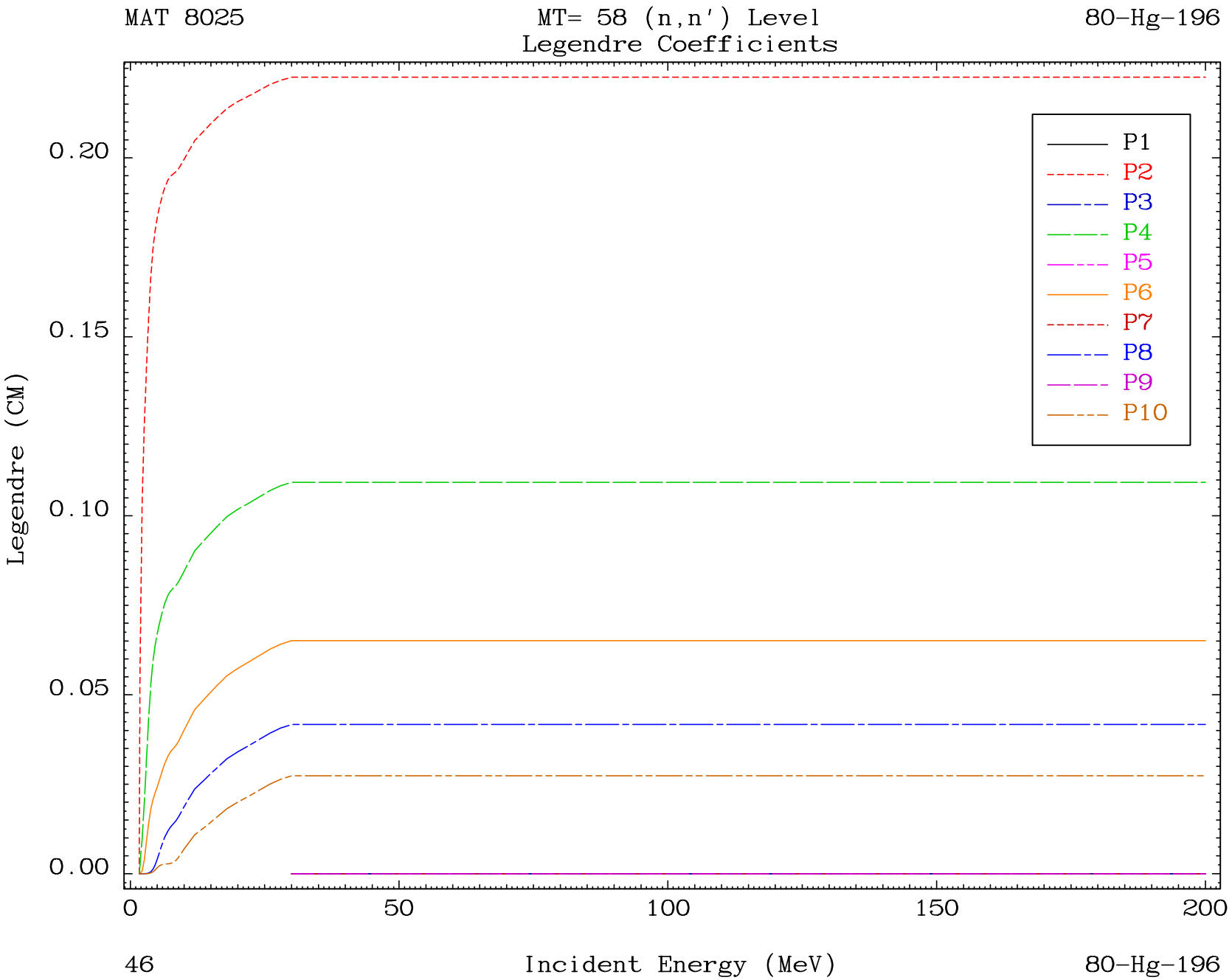

MAT 8025
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
41
Incident Energy (MeV)
80-Hg-196

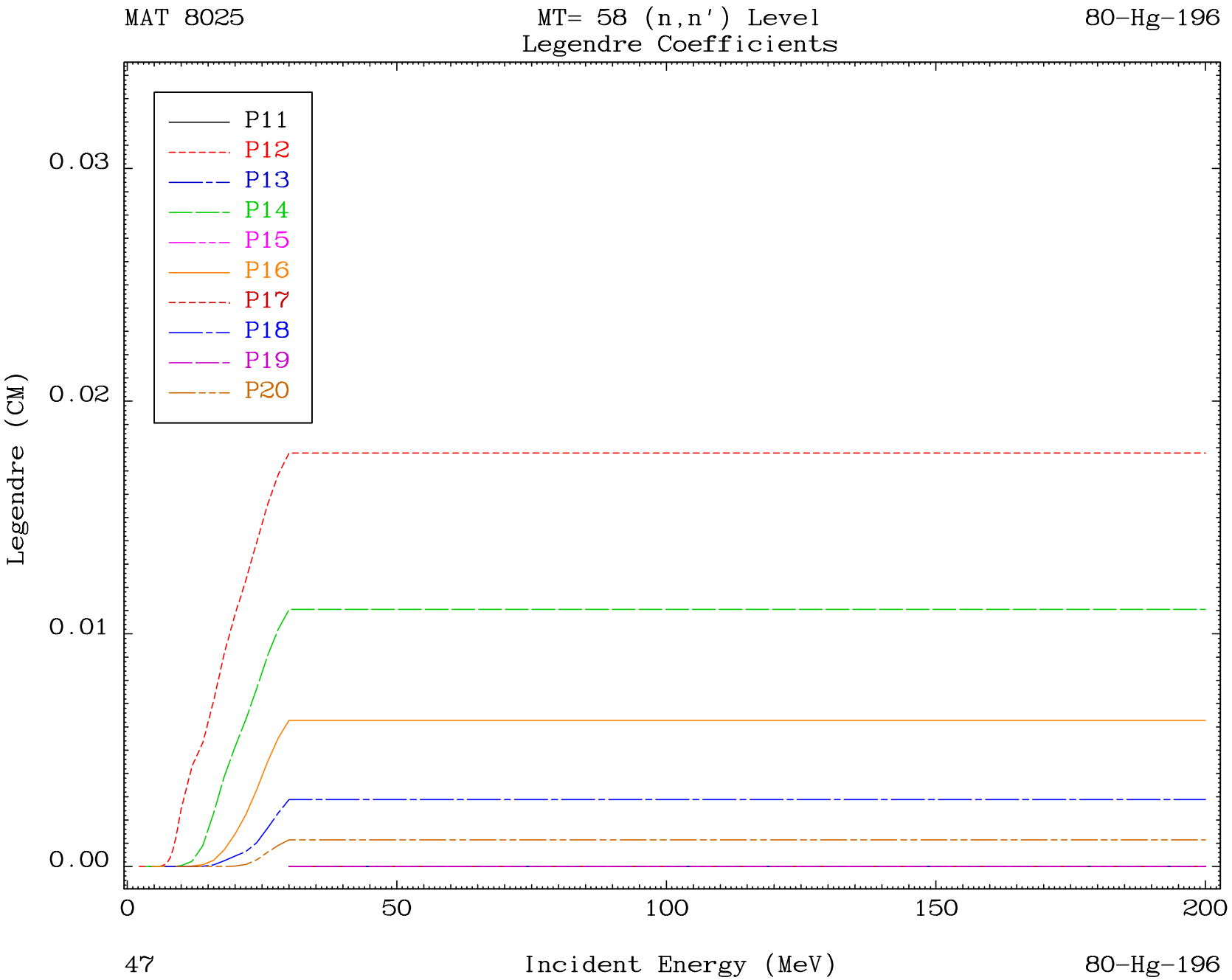

MAT 8025
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
42
Incident Energy (MeV)
80-Hg-196

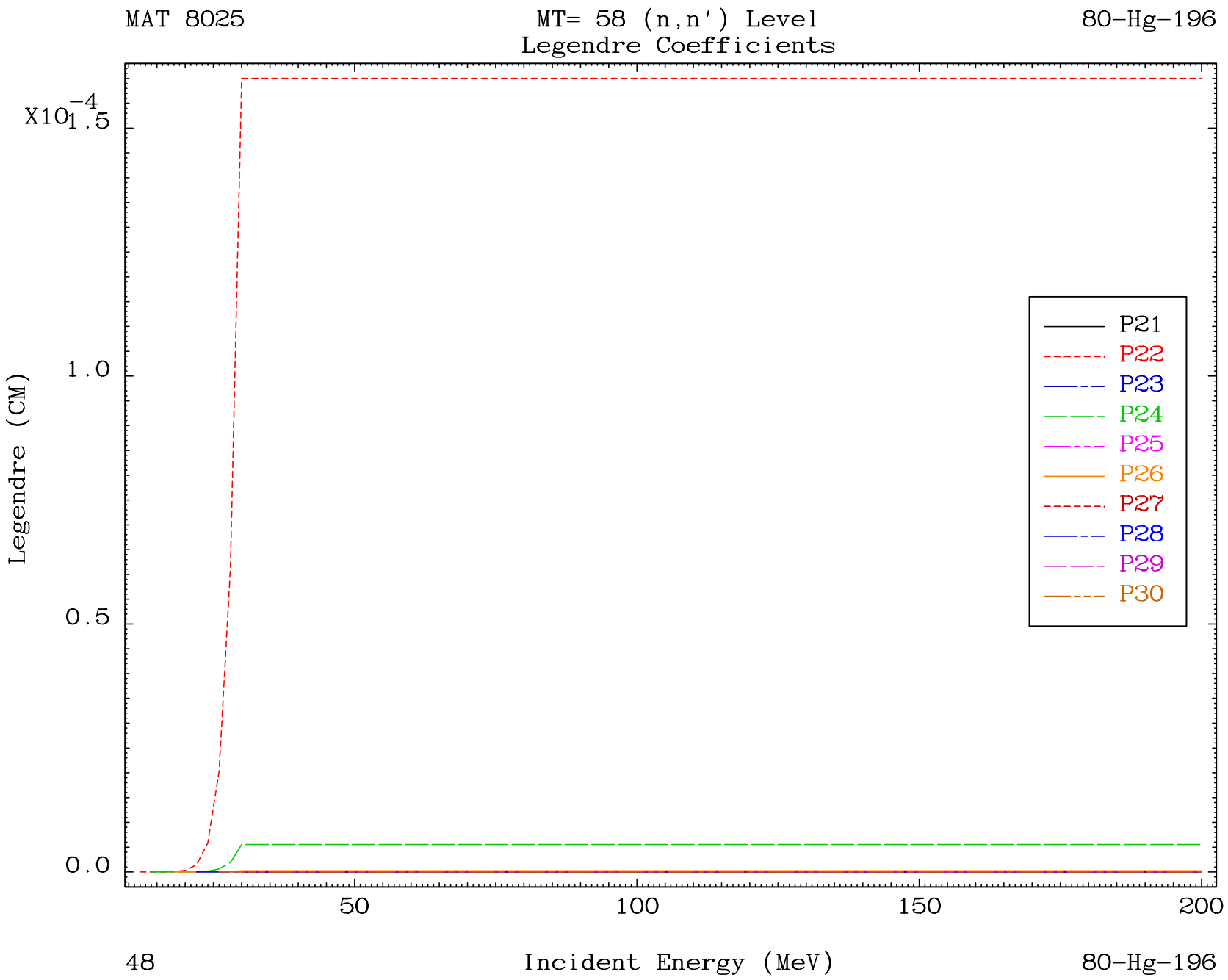

MAT 8025
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
43
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

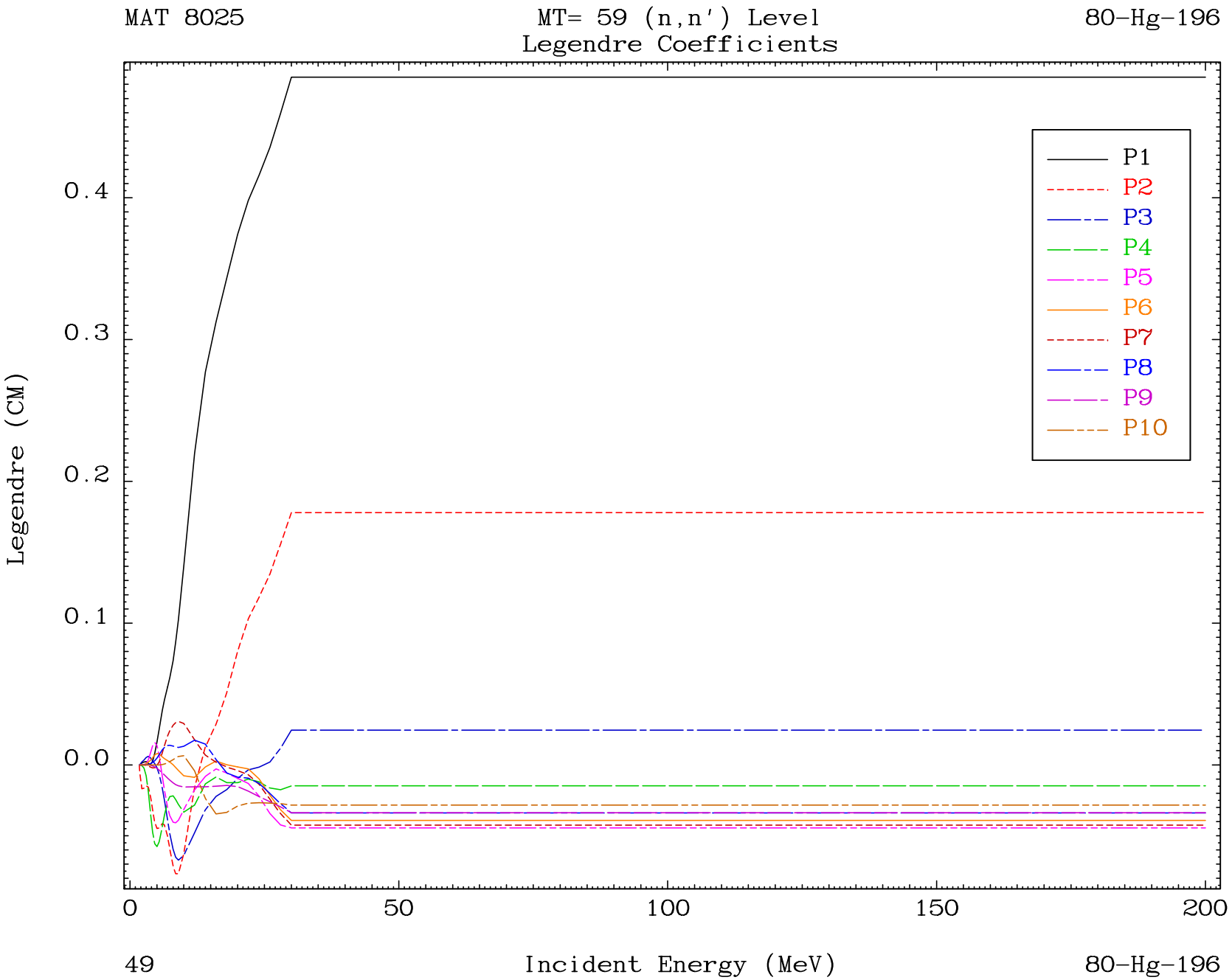

MAT 8025
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
44
Incident Energy (MeV)
80-Hg-196

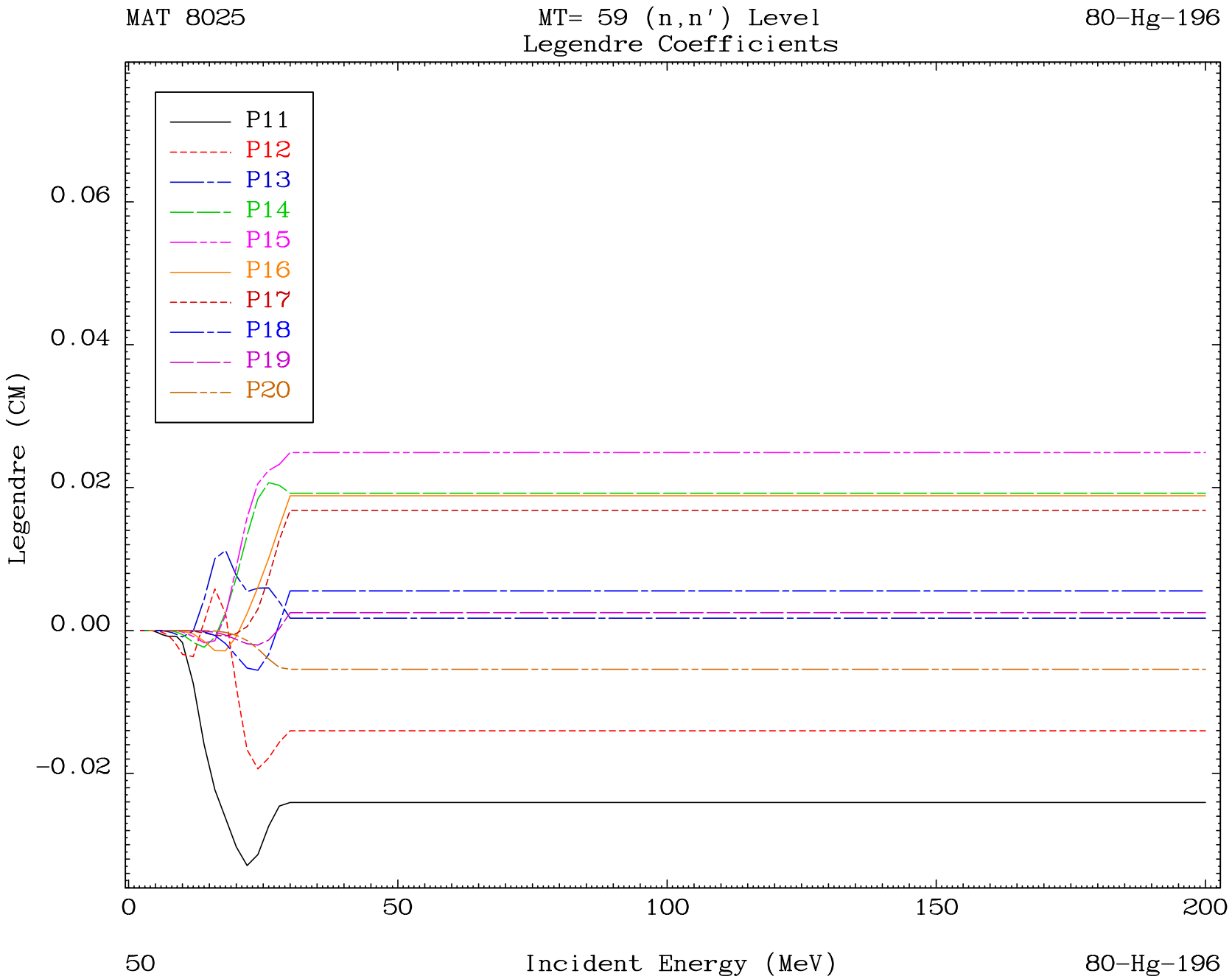

MAT 8025
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
45
Incident Energy (MeV)
80-Hg-196

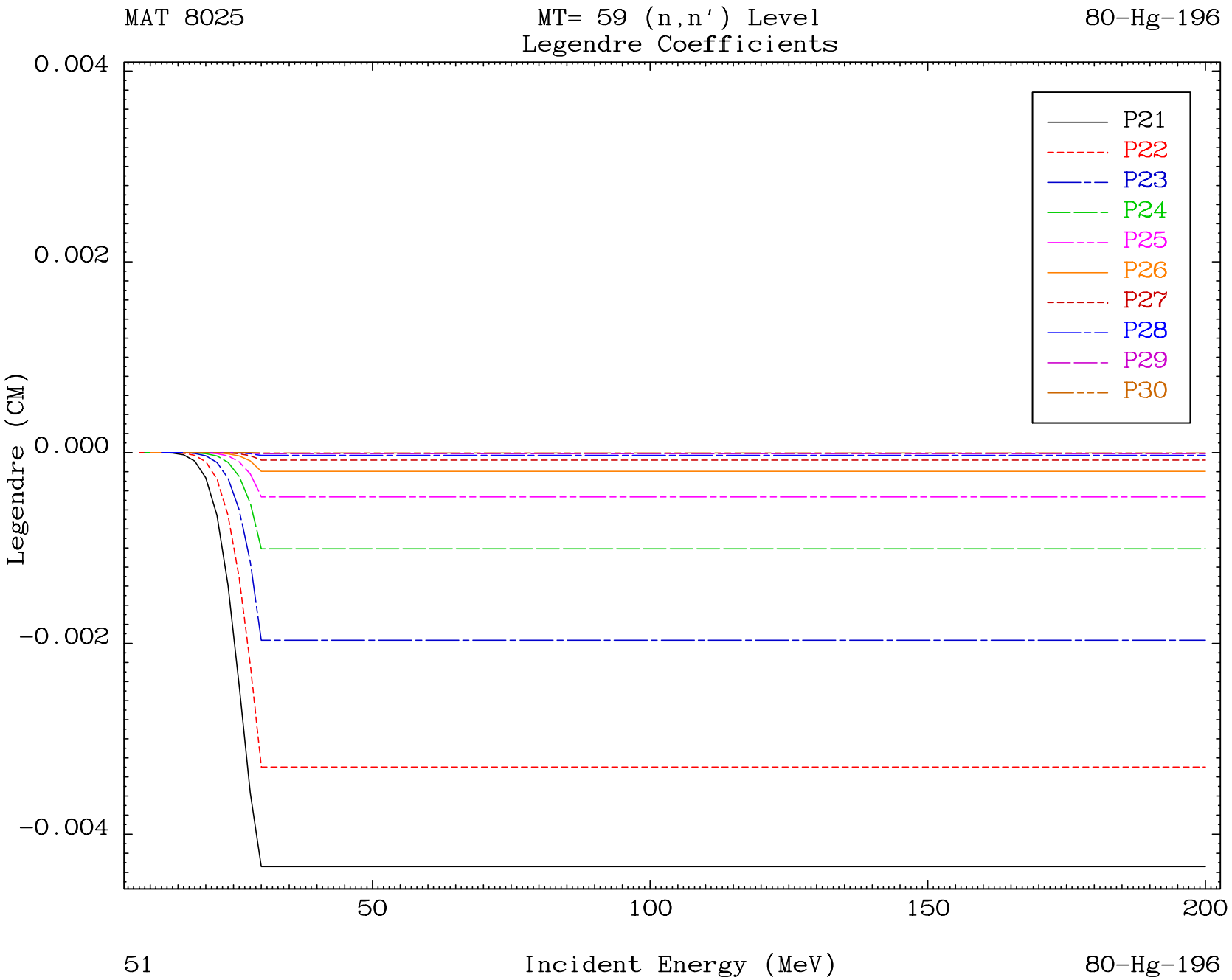

MAT 8025
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
46
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

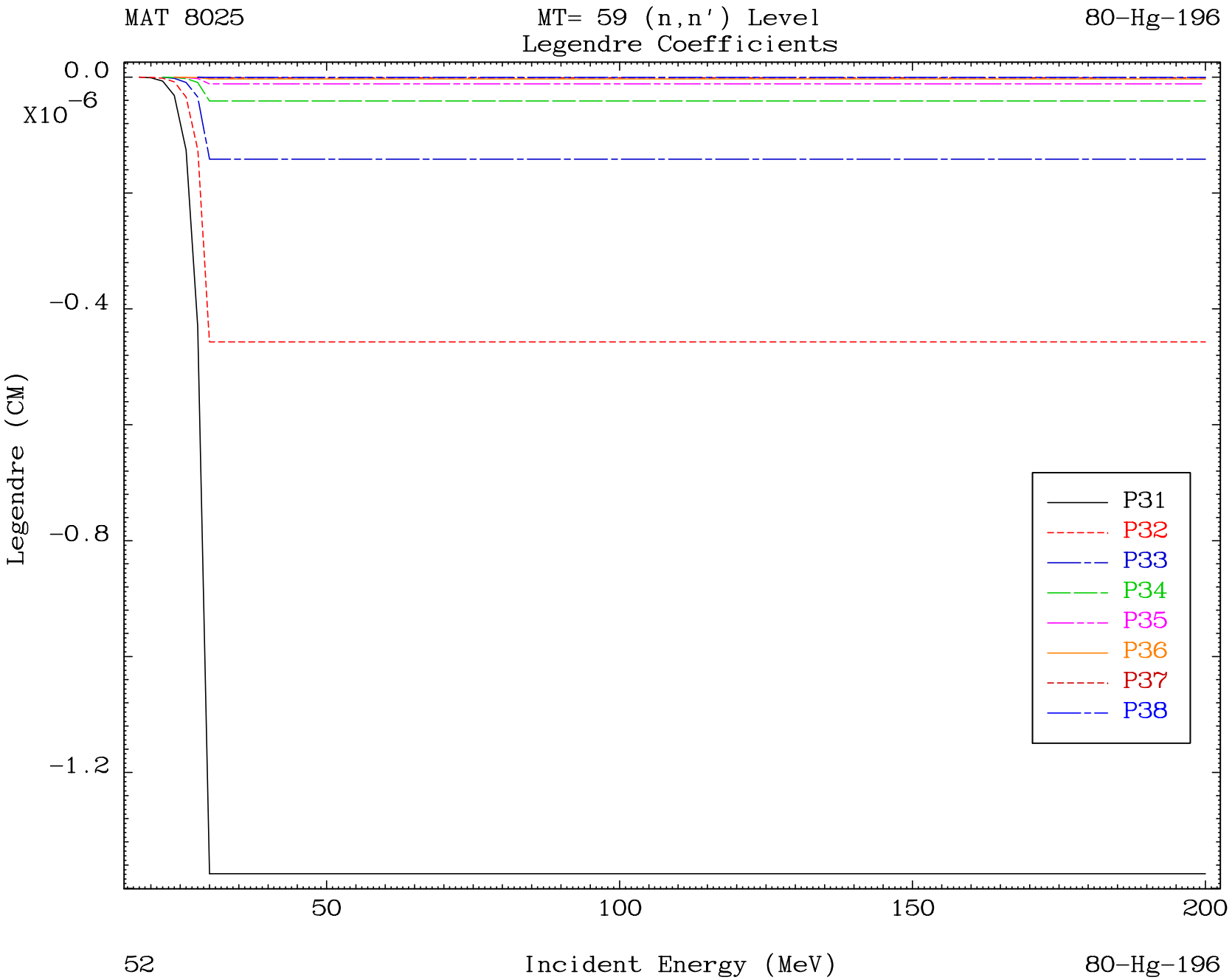

MAT 8025
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
47
Incident Energy (MeV)
80-Hg-196

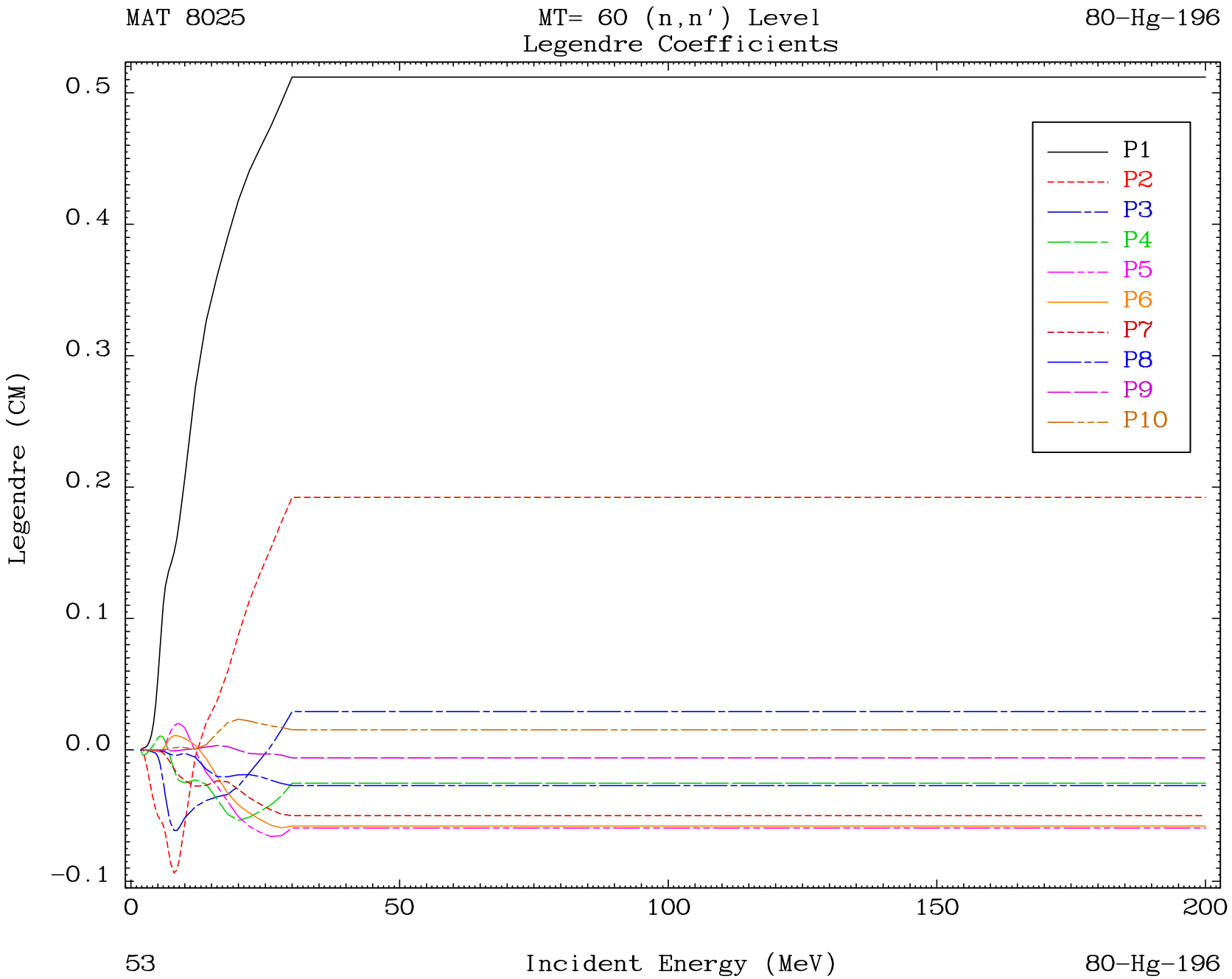

MAT 8025
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
48
Incident Energy (MeV)
80-Hg-196

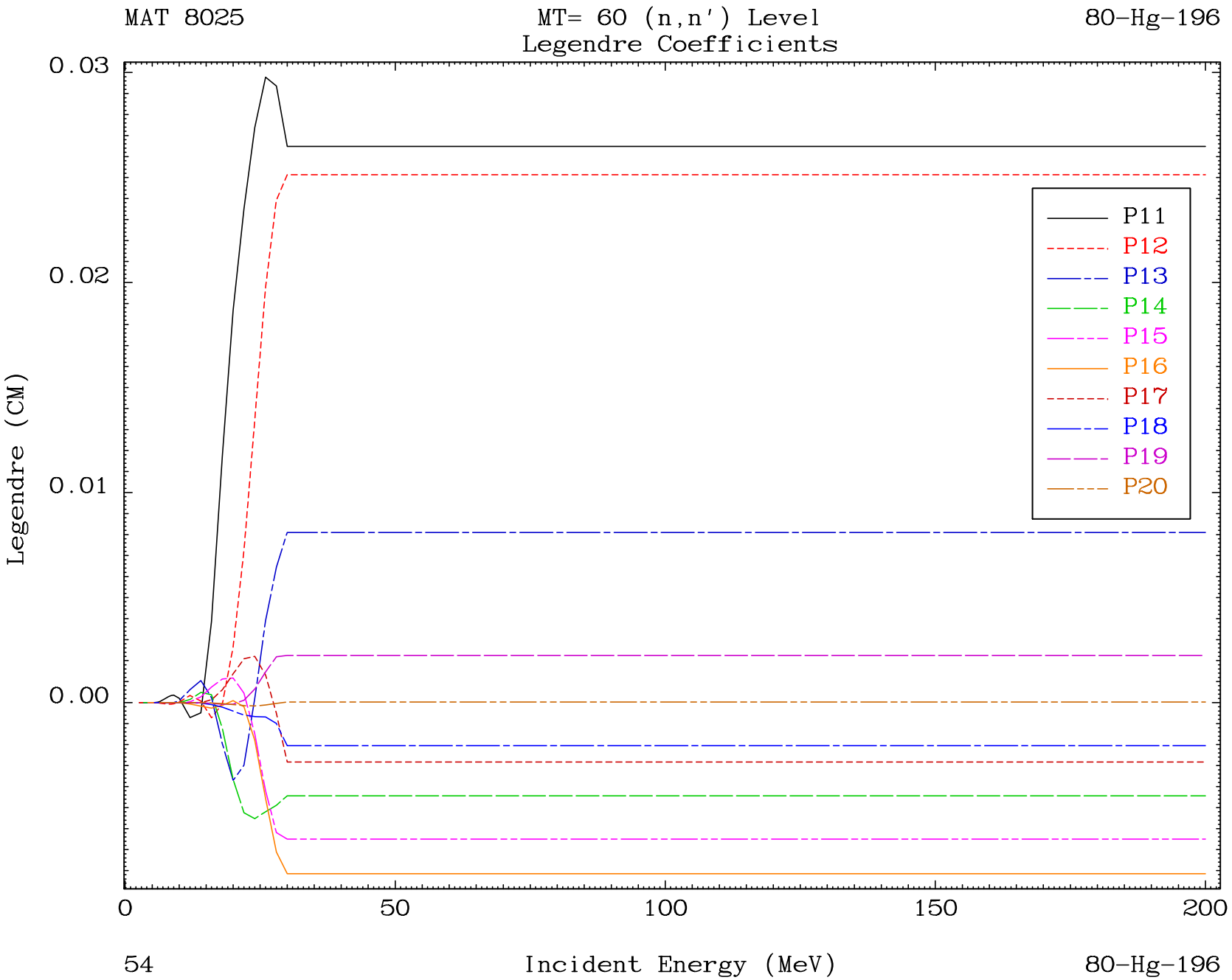

MAT 8025
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
49
Incident Energy (MeV)
80-Hg-196

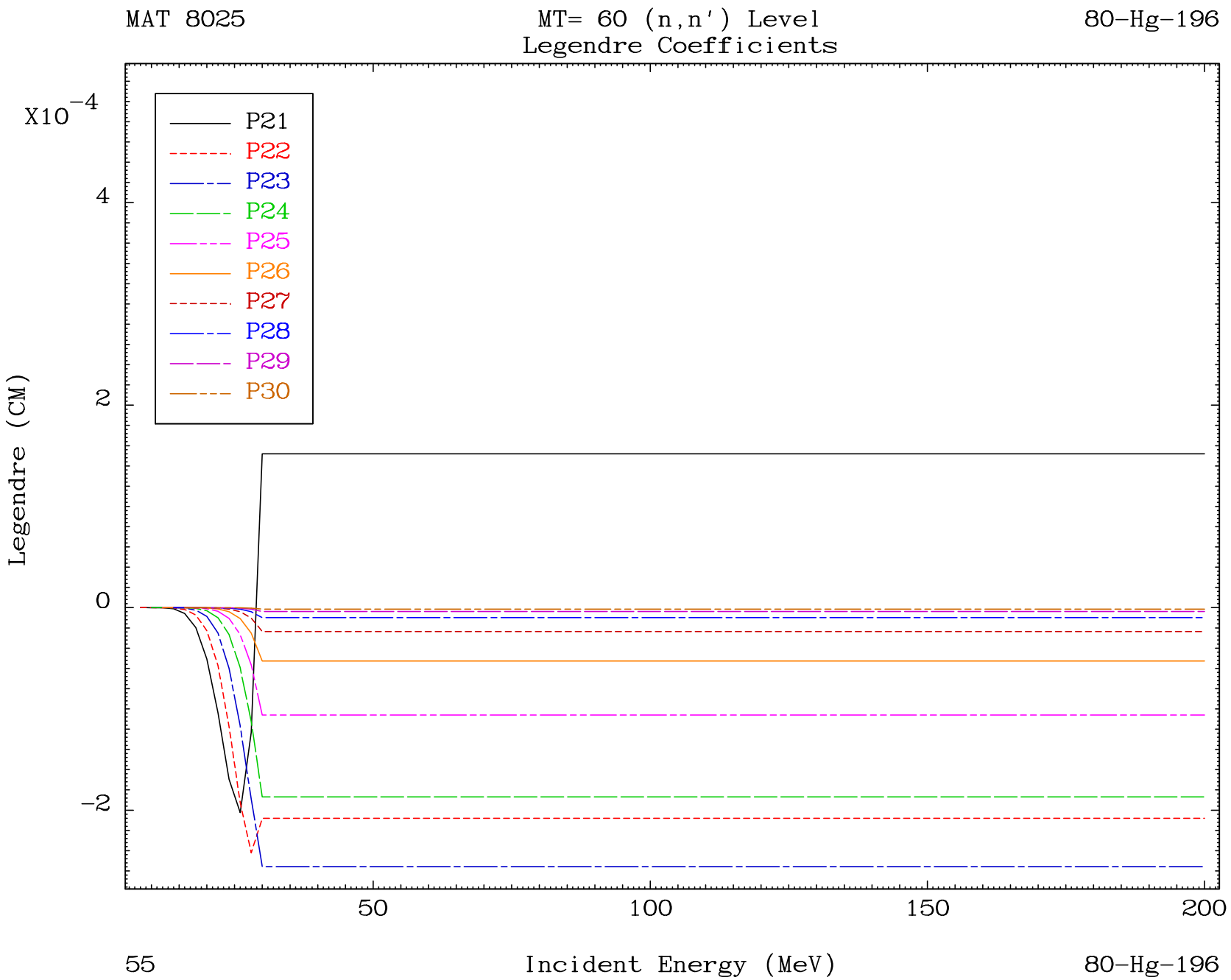

MAT 8025
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
50
Incident Energy (MeV)
80-Hg-196

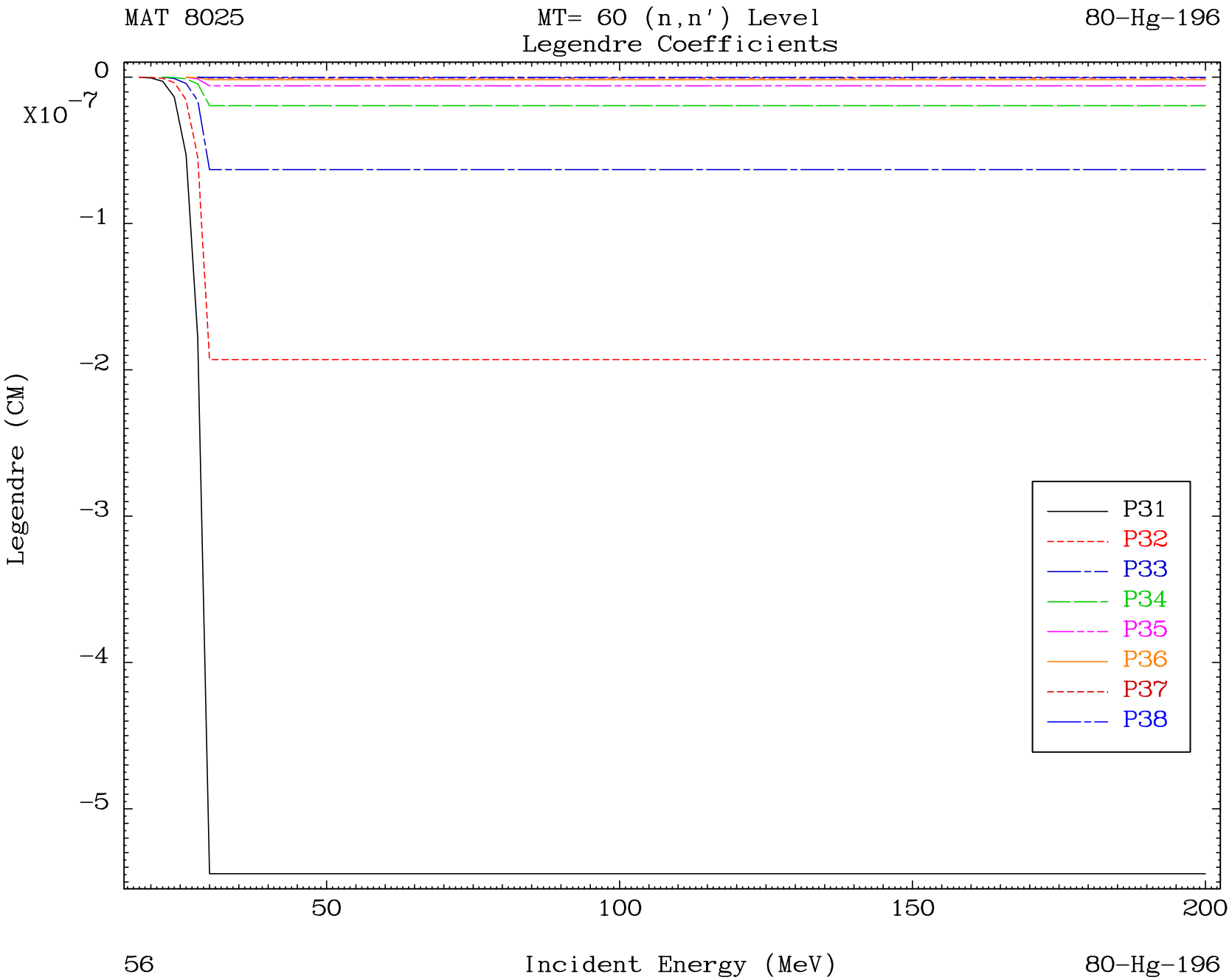

MAT 8025
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-196
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
51
Incident Energy (MeV)
80-Hg-196

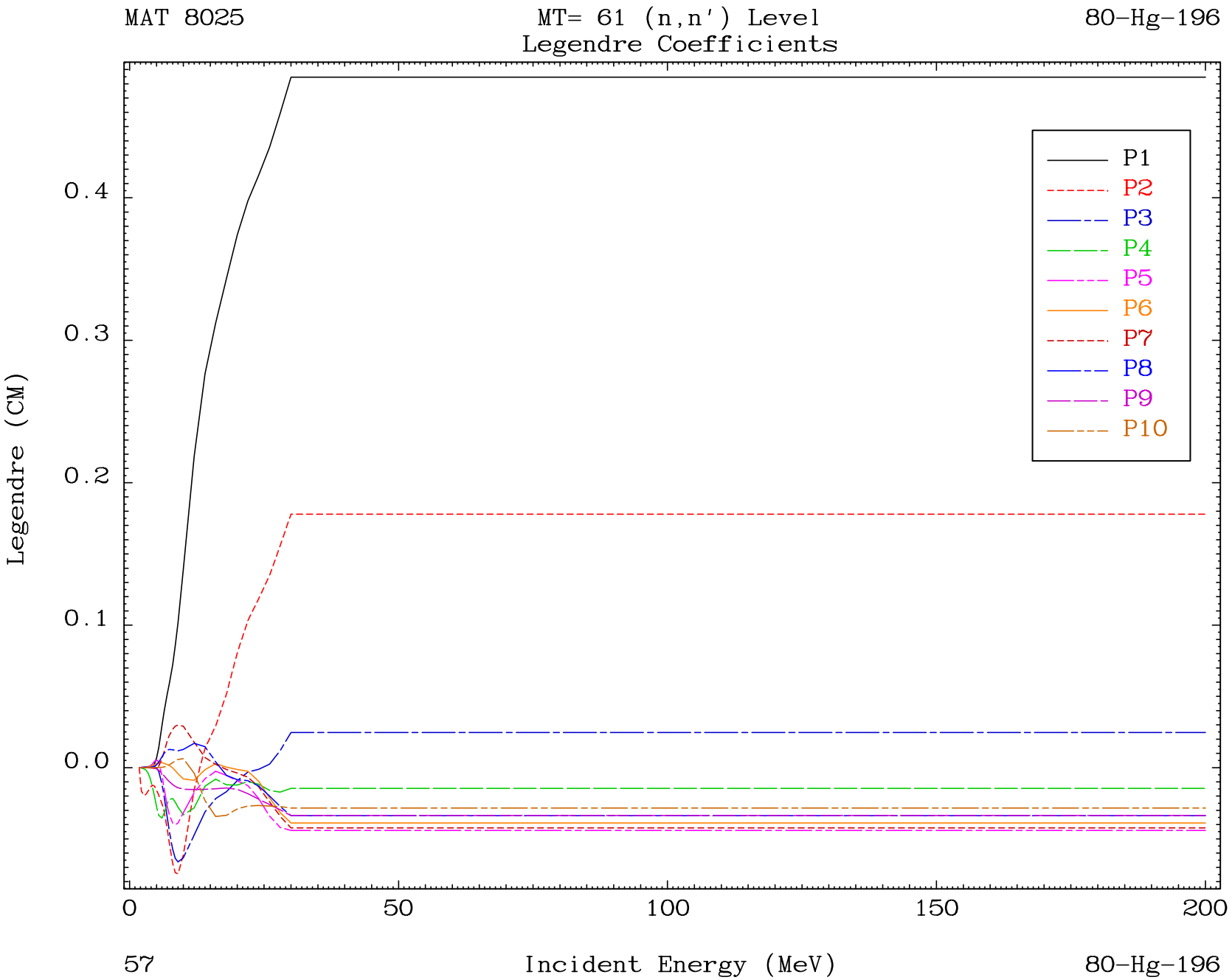

MAT 8025
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-196
0.0
X10 −6
−0.4
−0.8
−1.2
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
80-Hg-196
P31
P32
P33
P34
P35
P36
P37
P38

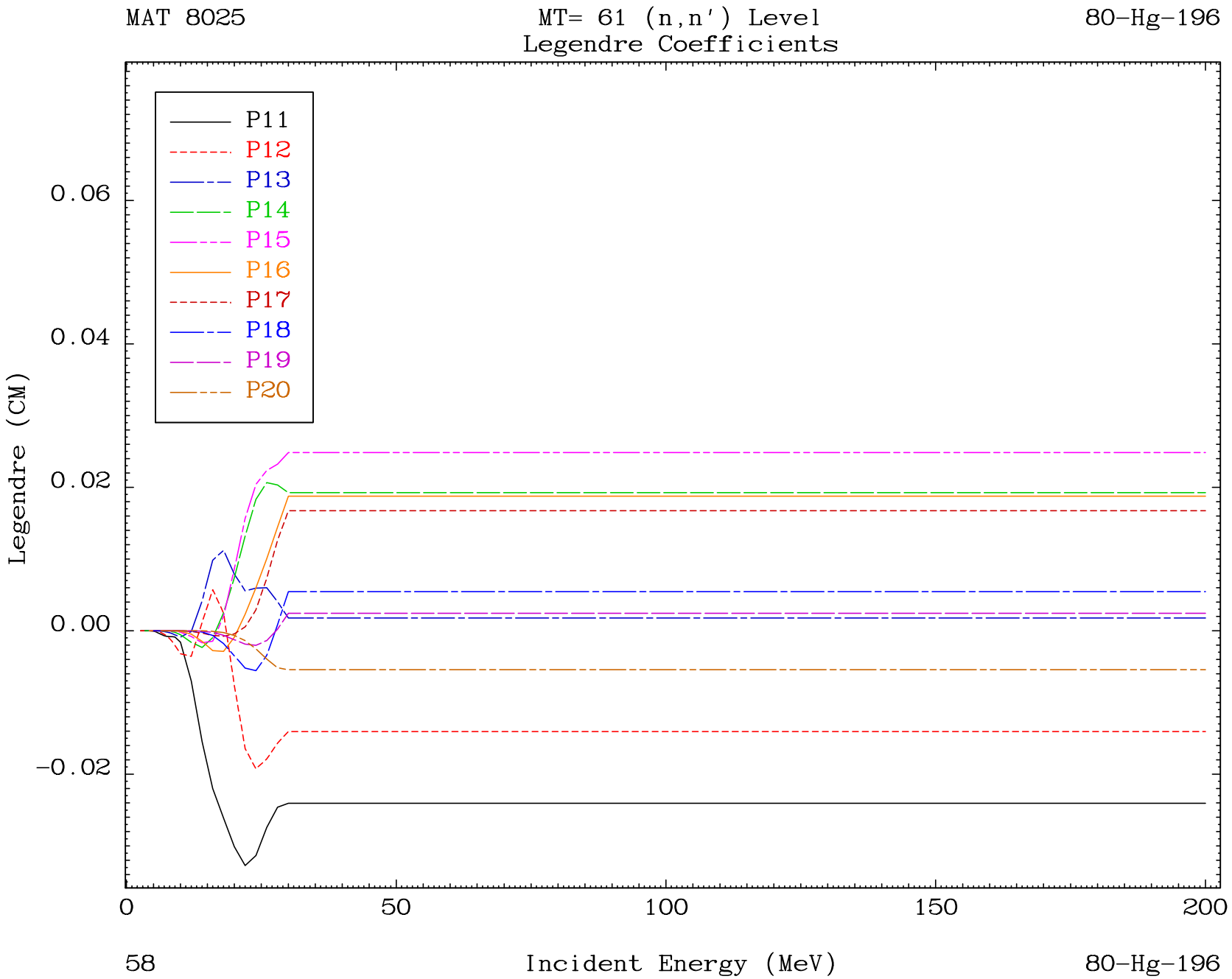

MAT 8025
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
53
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

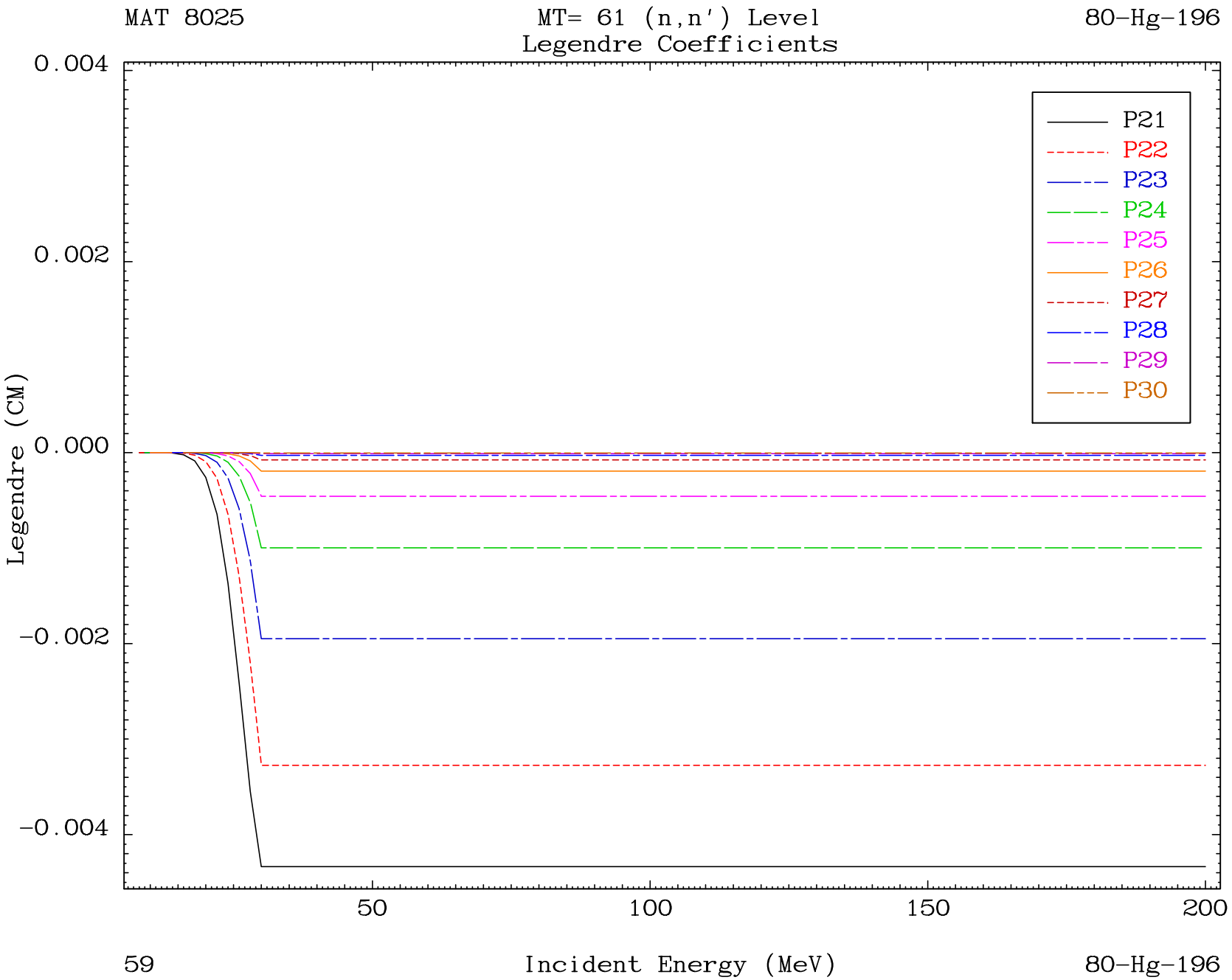

MAT 8025
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-196
0.03
0.02
0.01
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
54
Incident Energy (MeV)
80-Hg-196

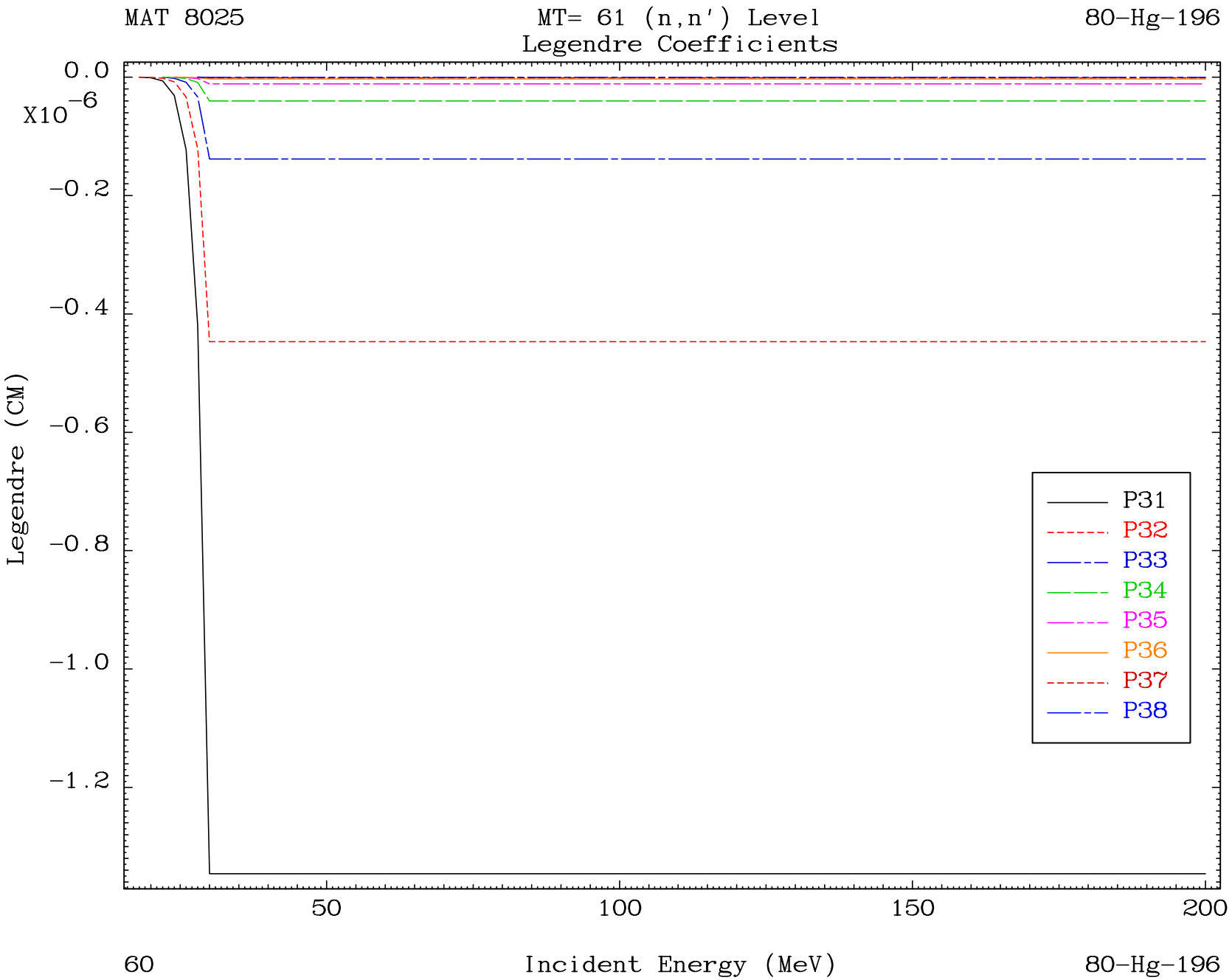

MAT 8025
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
55
Incident Energy (MeV)
80-Hg-196

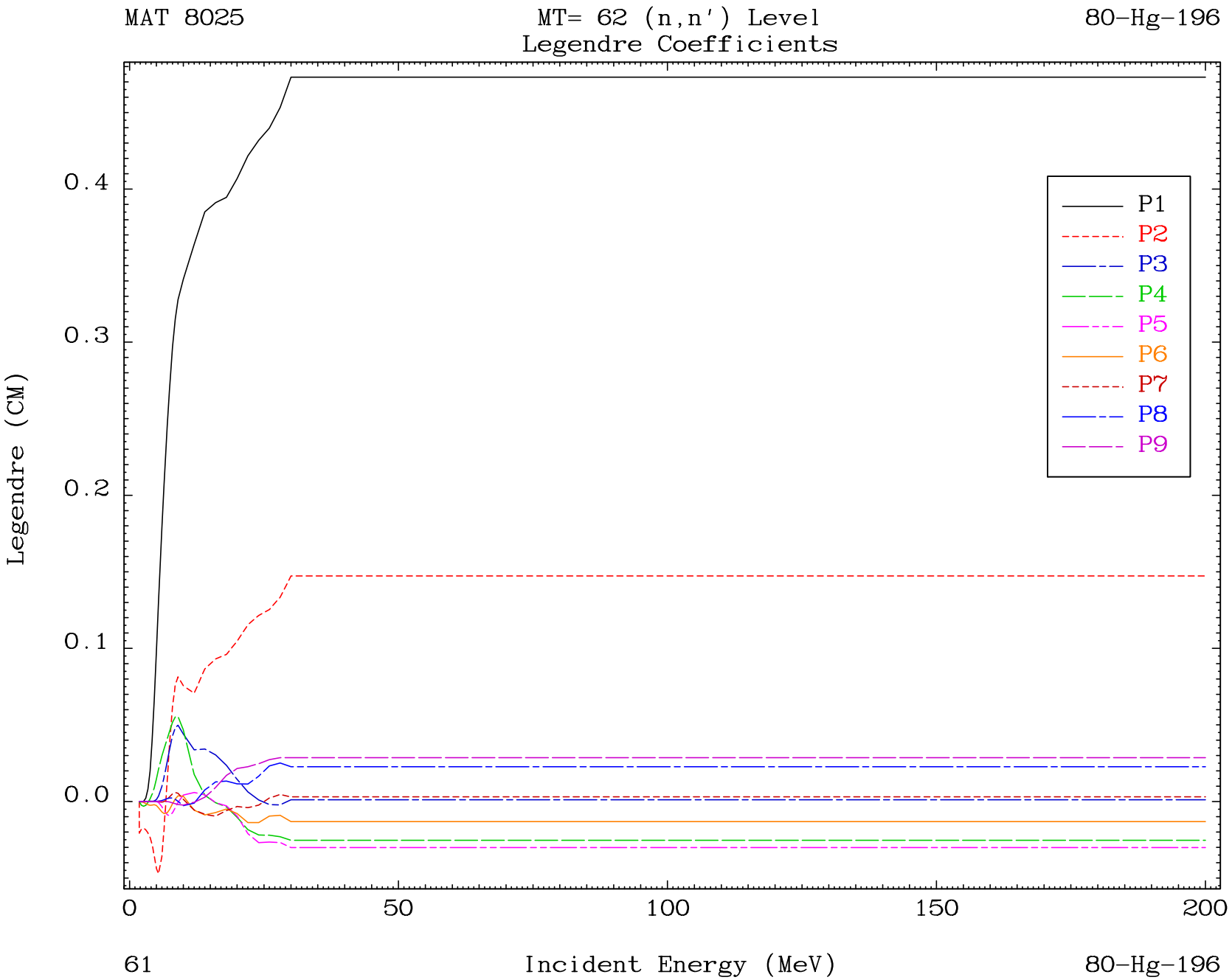

MAT 8025
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-7
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
80-Hg-196
P31
P32
P33
P34
P35
P36
P37
P38

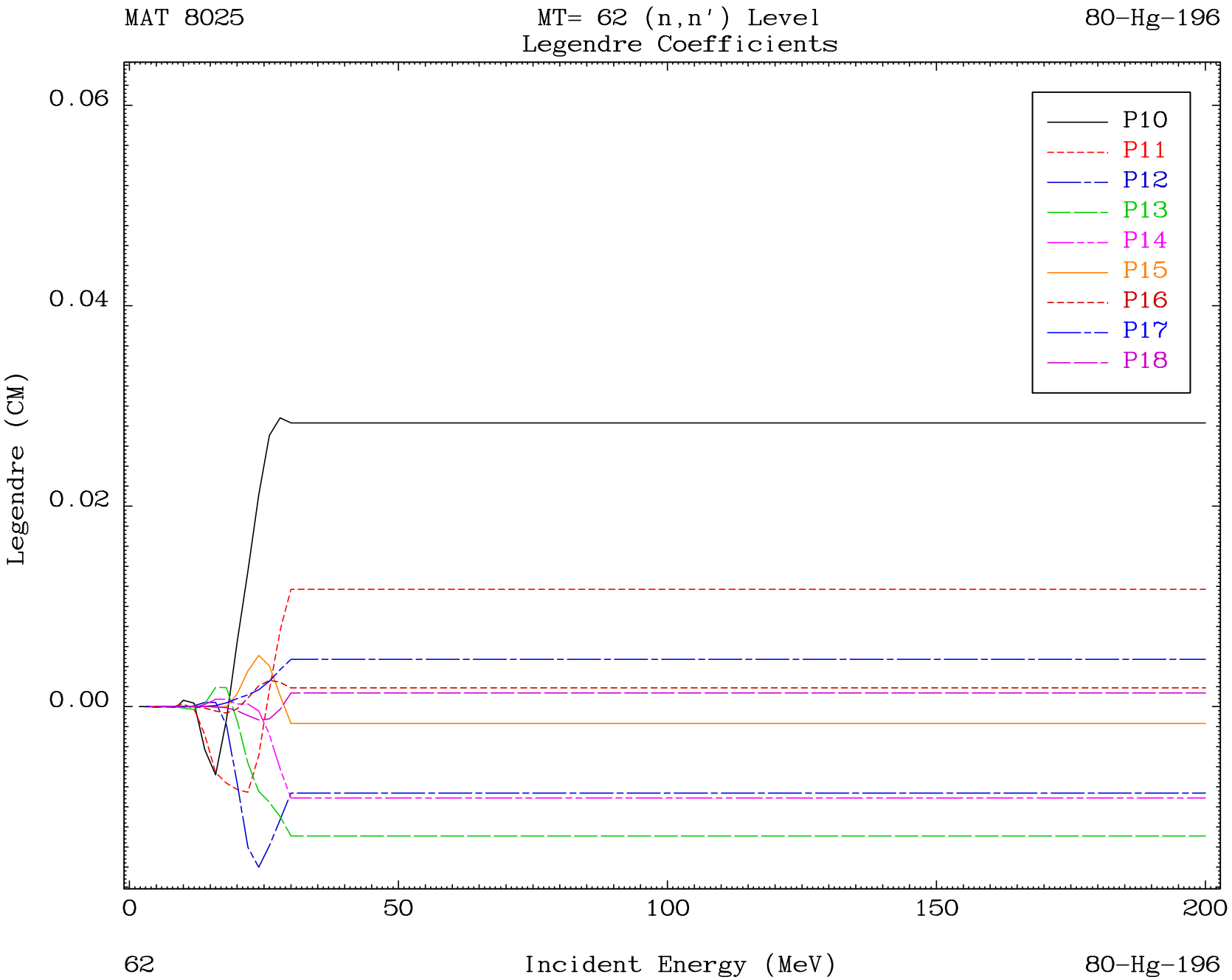

MAT 8025
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
57
Incident Energy (MeV)
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

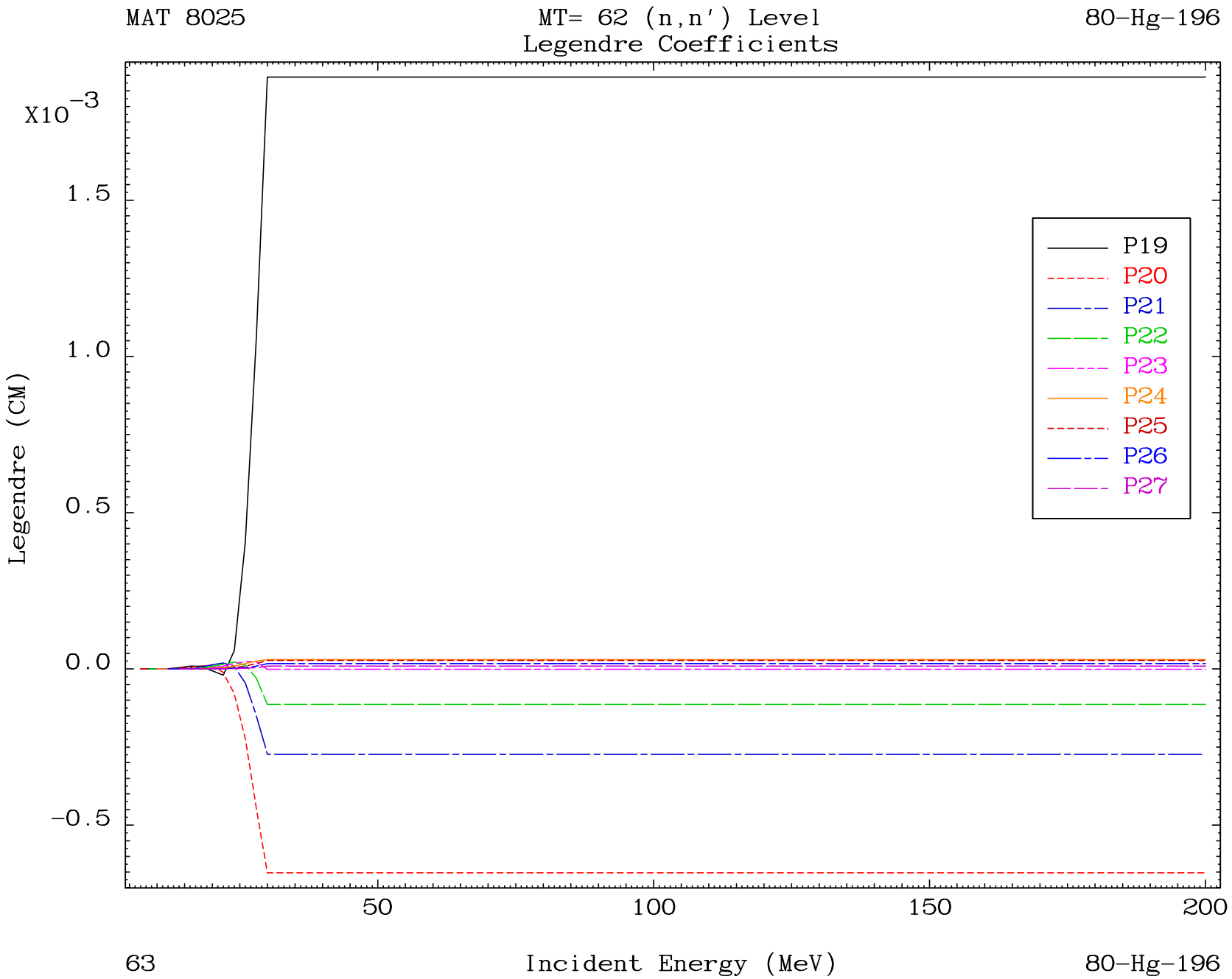

MAT 8025
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
58
Incident Energy (MeV)
80-Hg-196

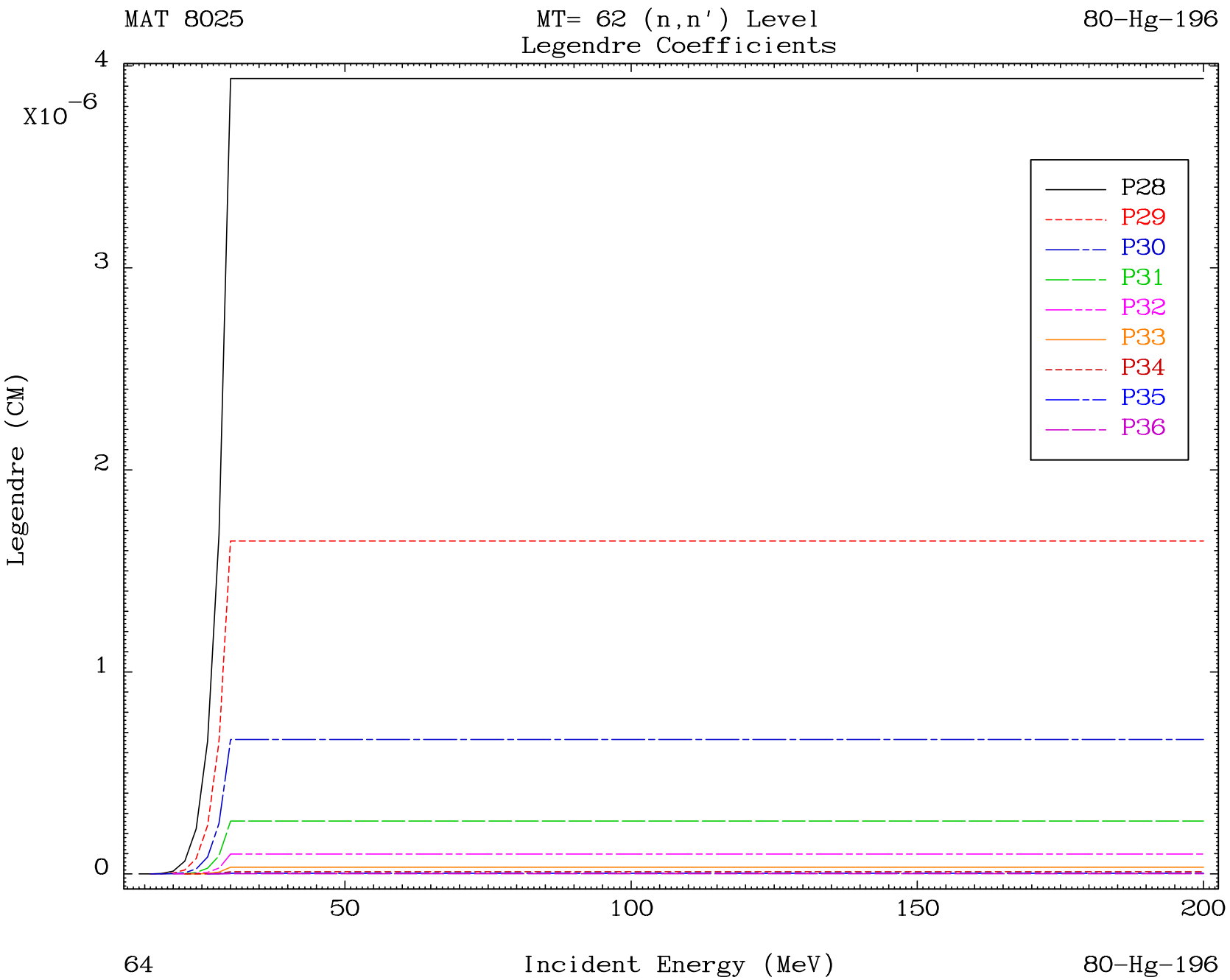

MAT 8025
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-196
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
59
Incident Energy (MeV)
80-Hg-196

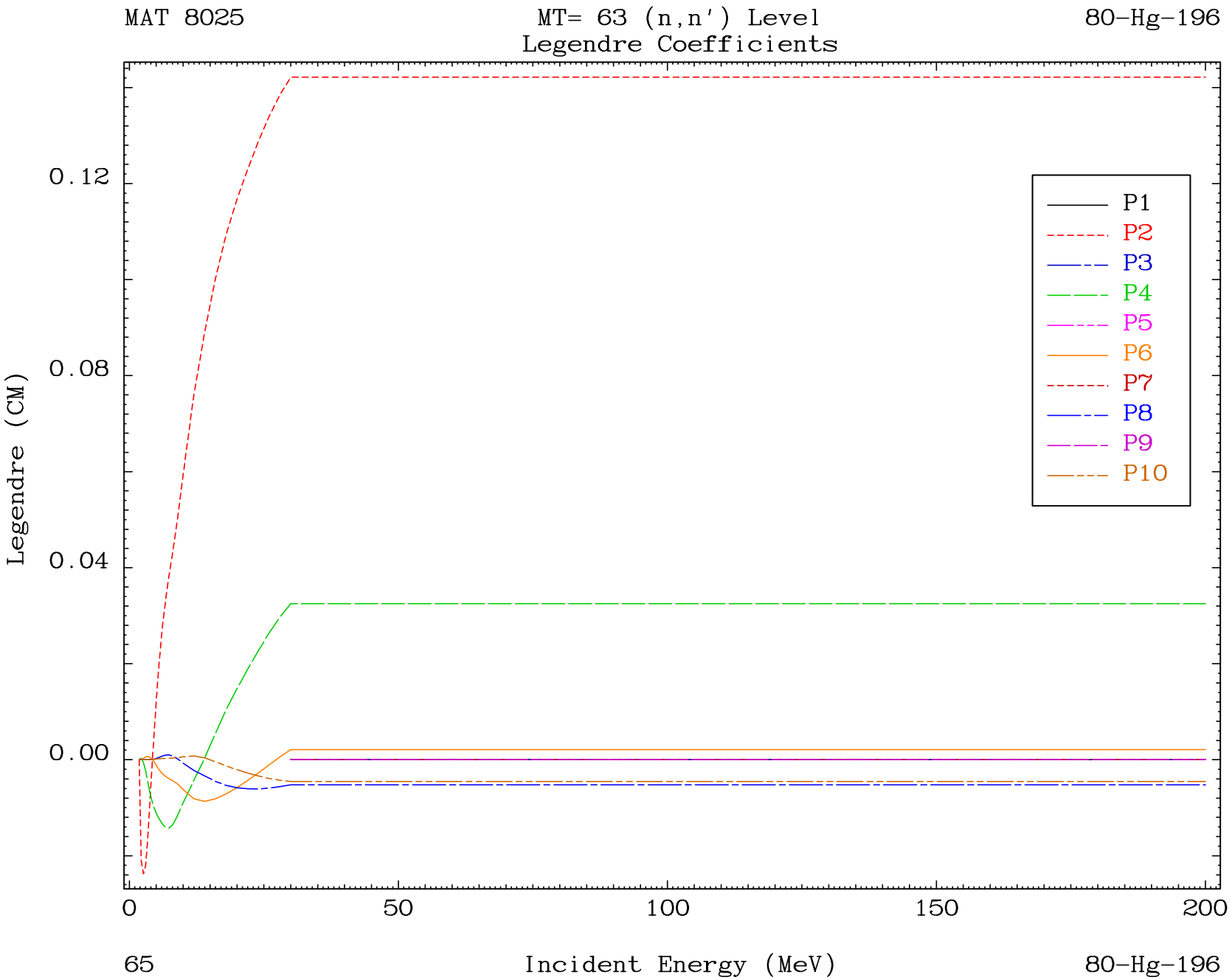

MAT 8025
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-196
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
80-Hg-196
P31
P32
P33
P34
P35
P36
P37
P38

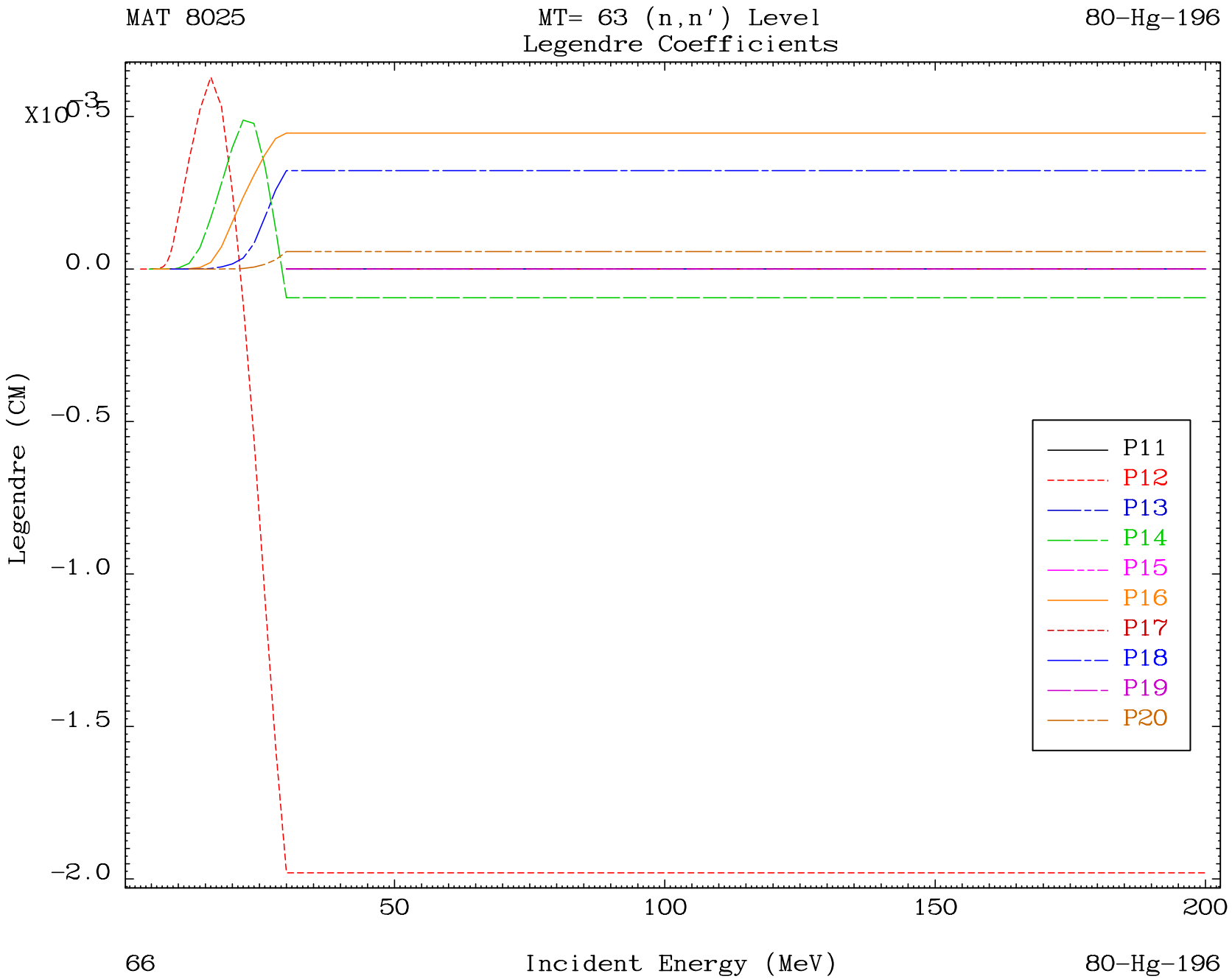

MAT 8025
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
61
Incident Energy (MeV)
80-Hg-196

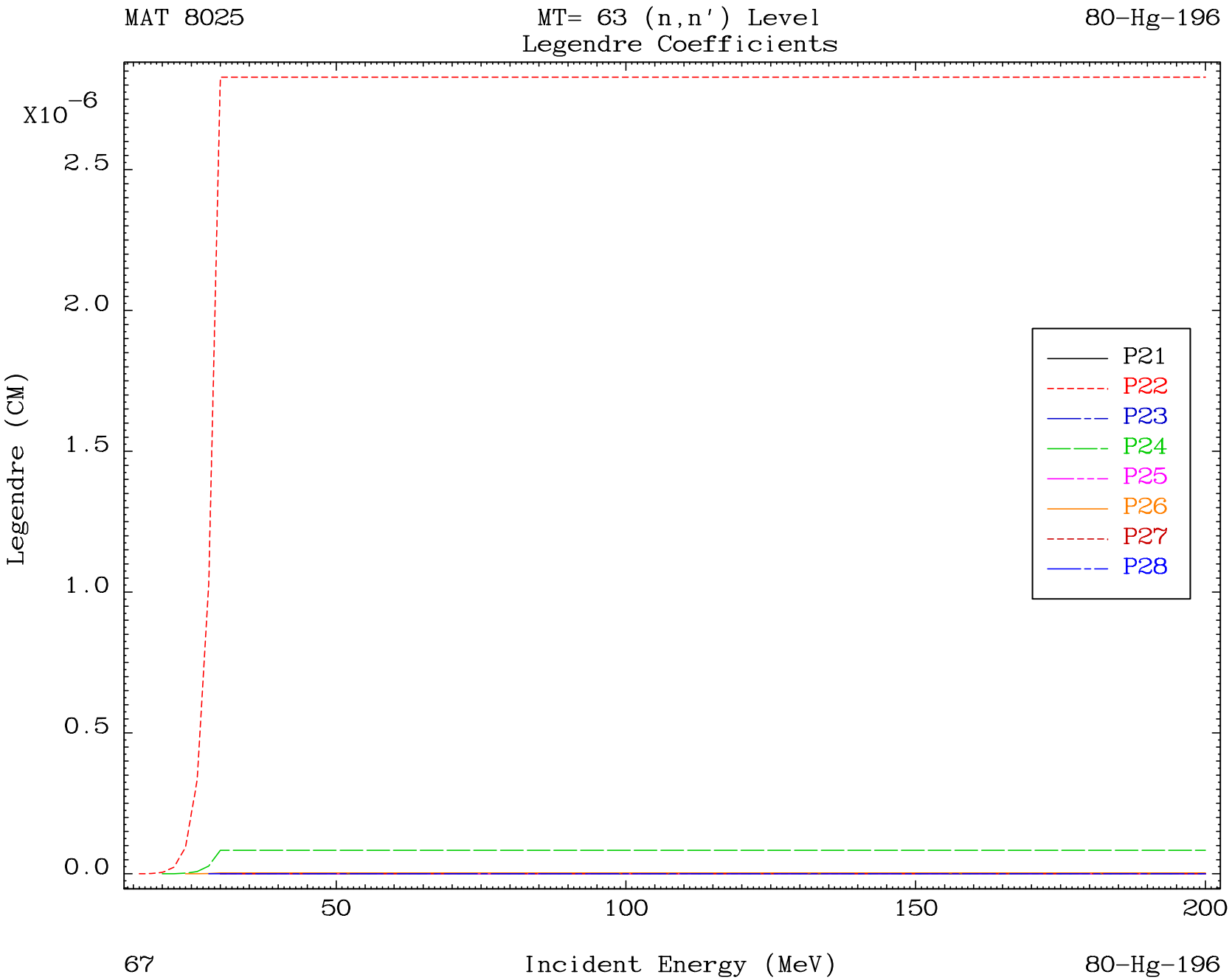

MAT 8025
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-196
0.06
0.04
0.02
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
62
Incident Energy (MeV)
80-Hg-196

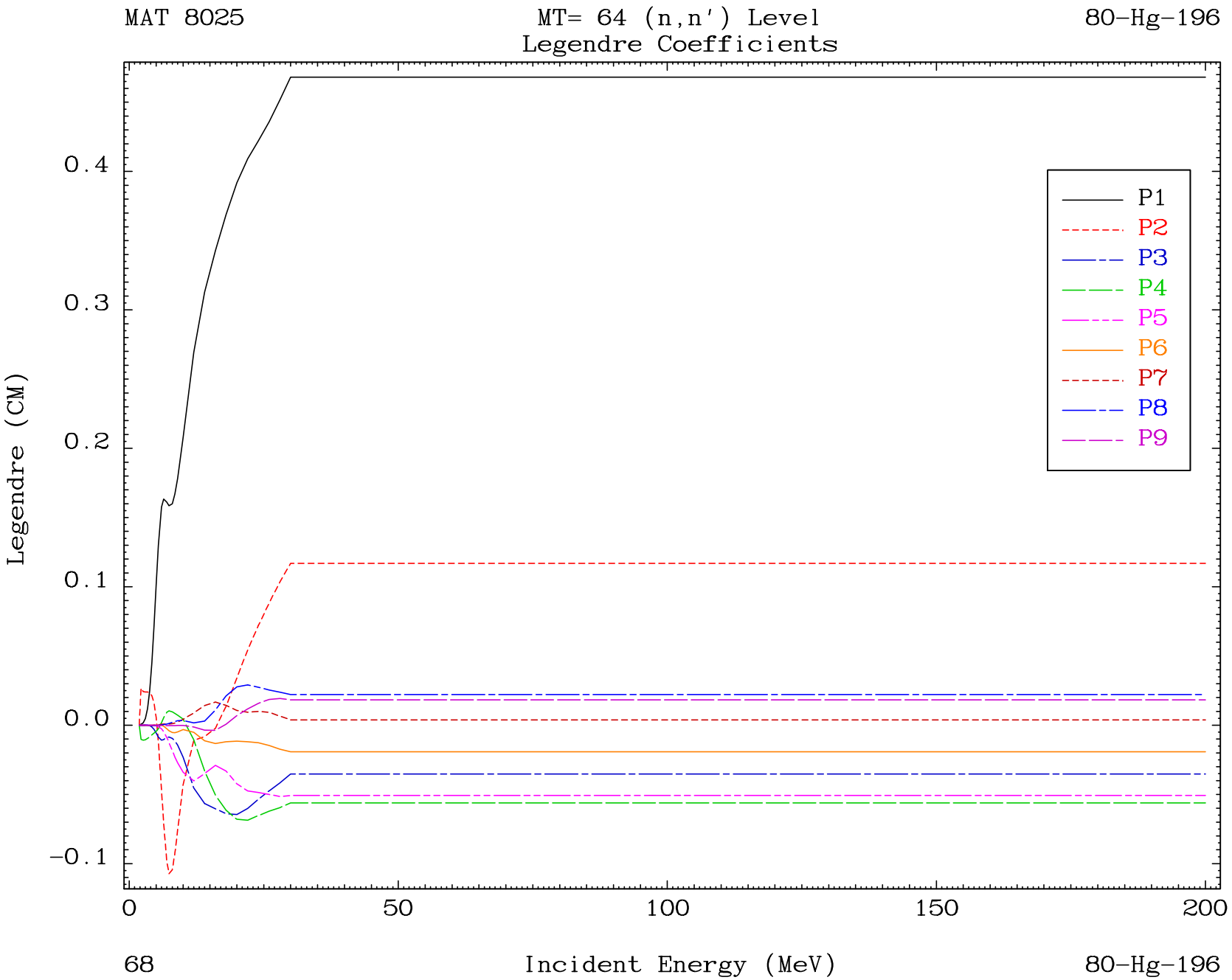

MAT 8025
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-3
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
63
Incident Energy (MeV)
80-Hg-196

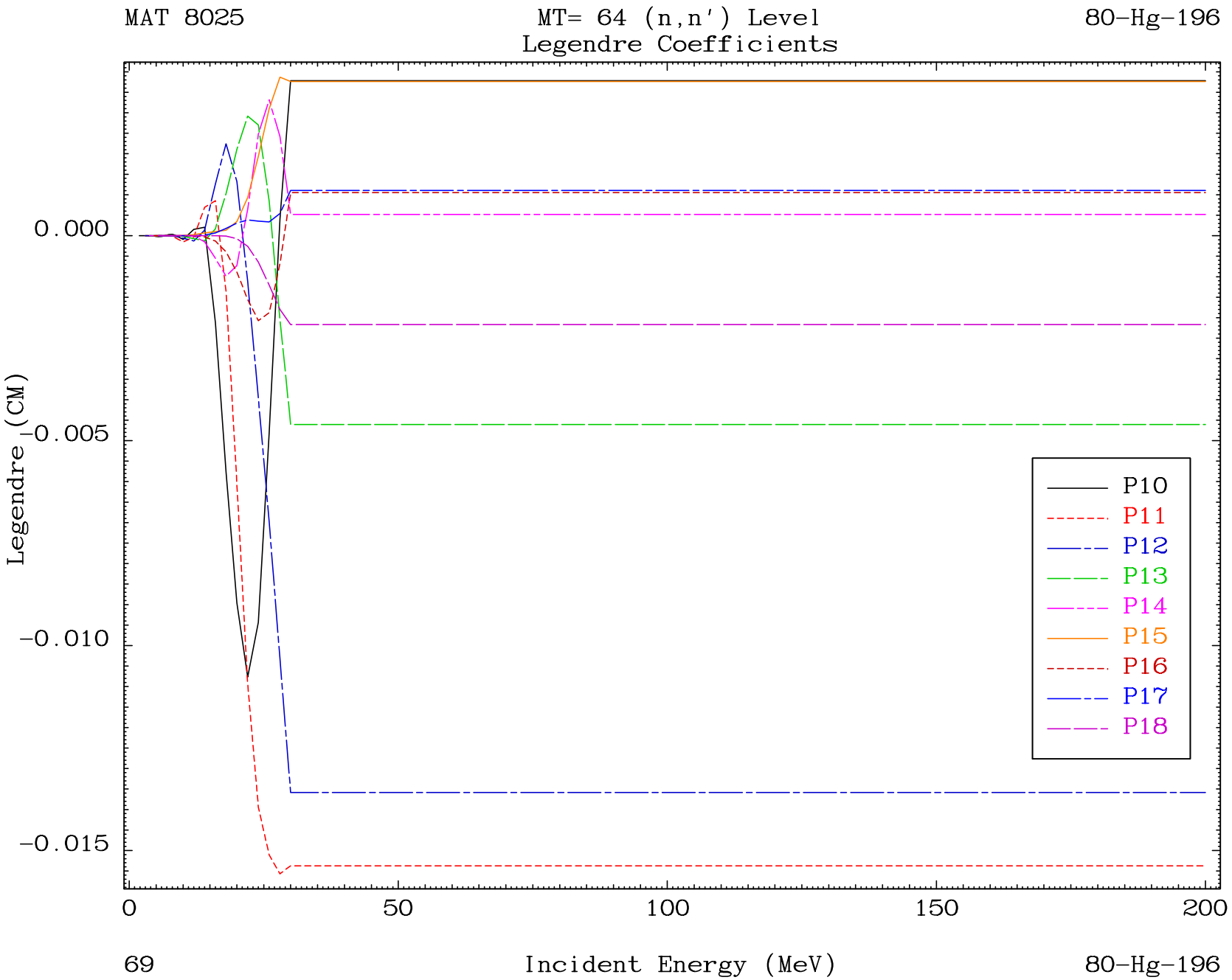

MAT 8025
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
64
Incident Energy (MeV)
80-Hg-196

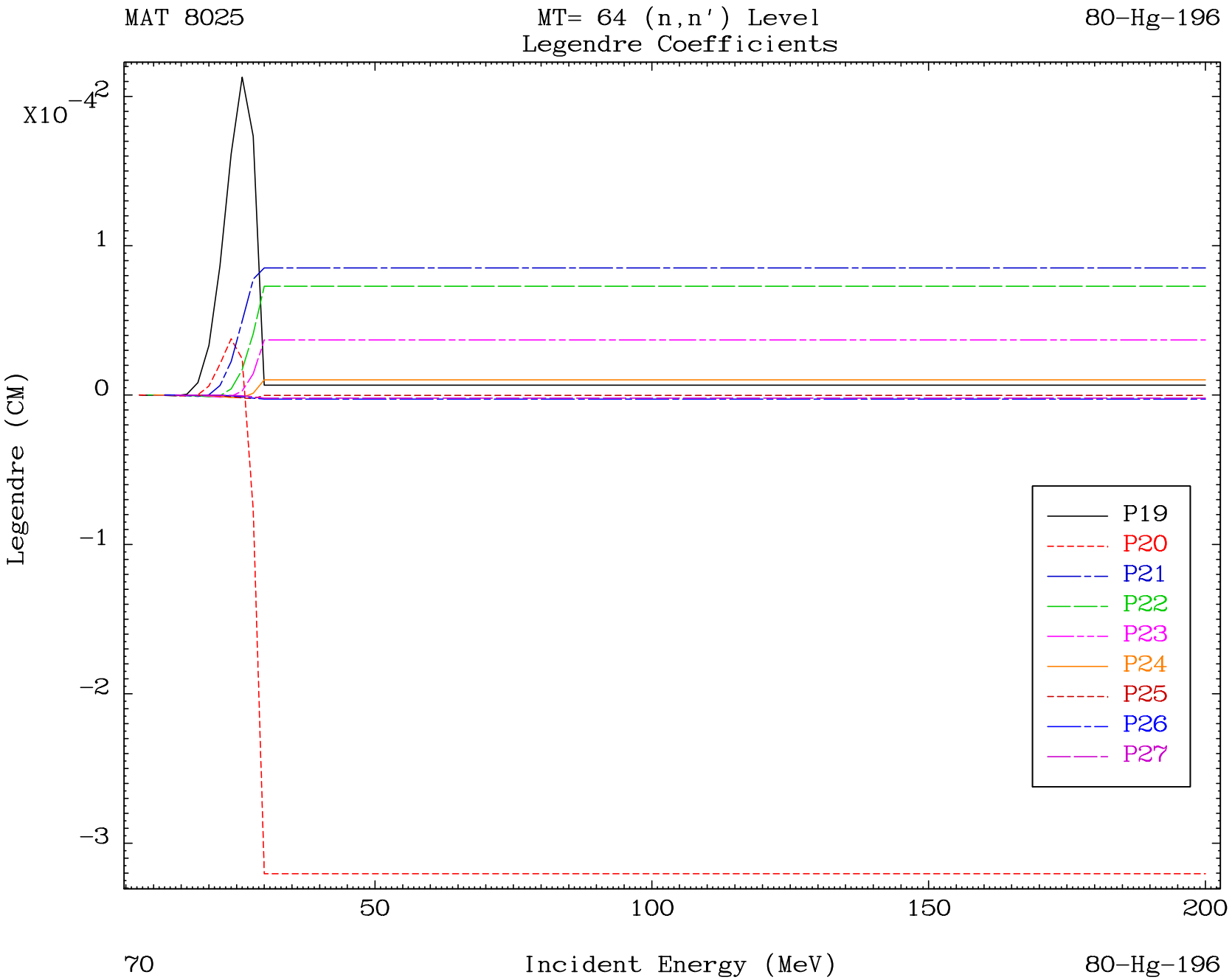

MAT 8025
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-196
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
65
Incident Energy (MeV)
80-Hg-196

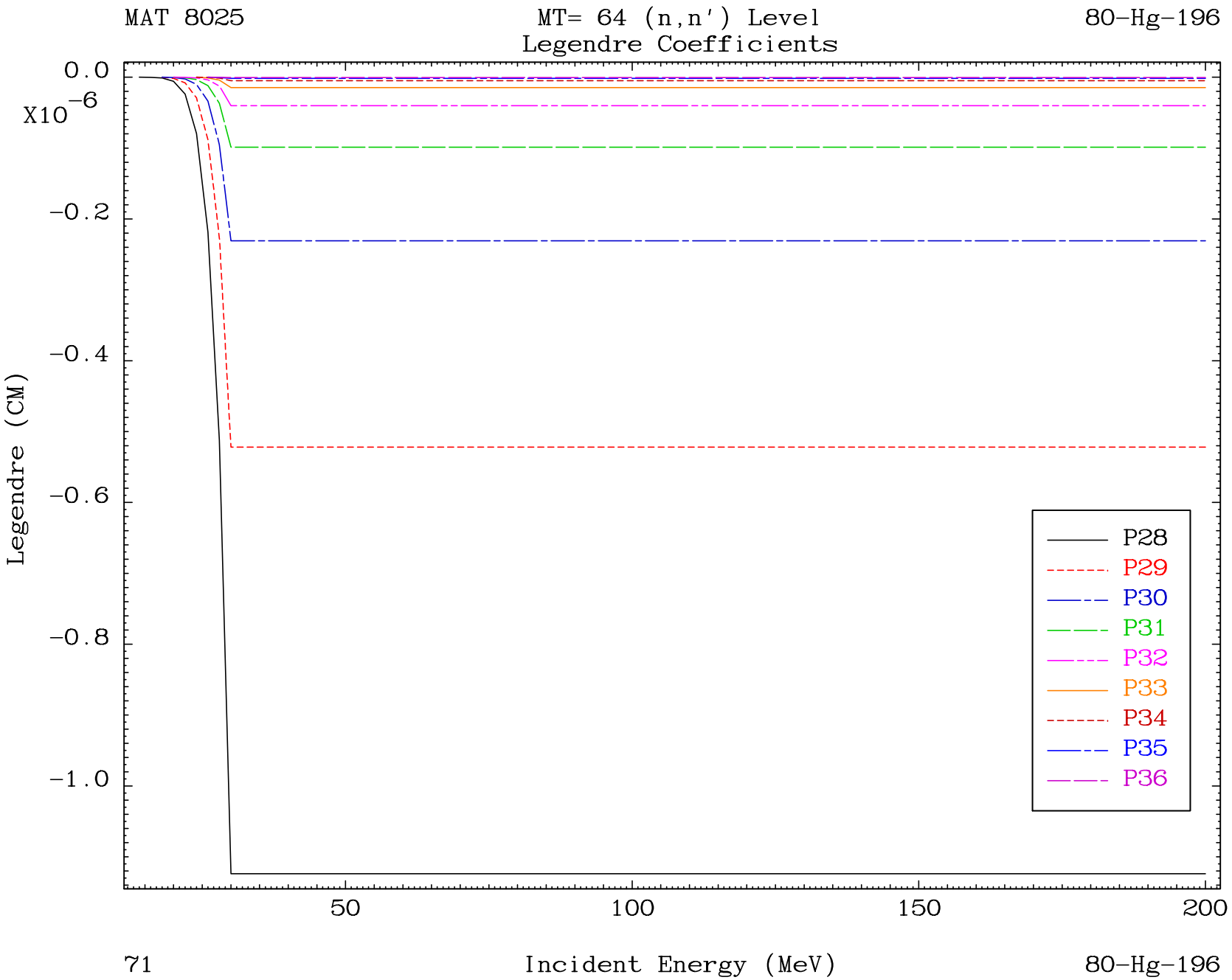

MAT 8025
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

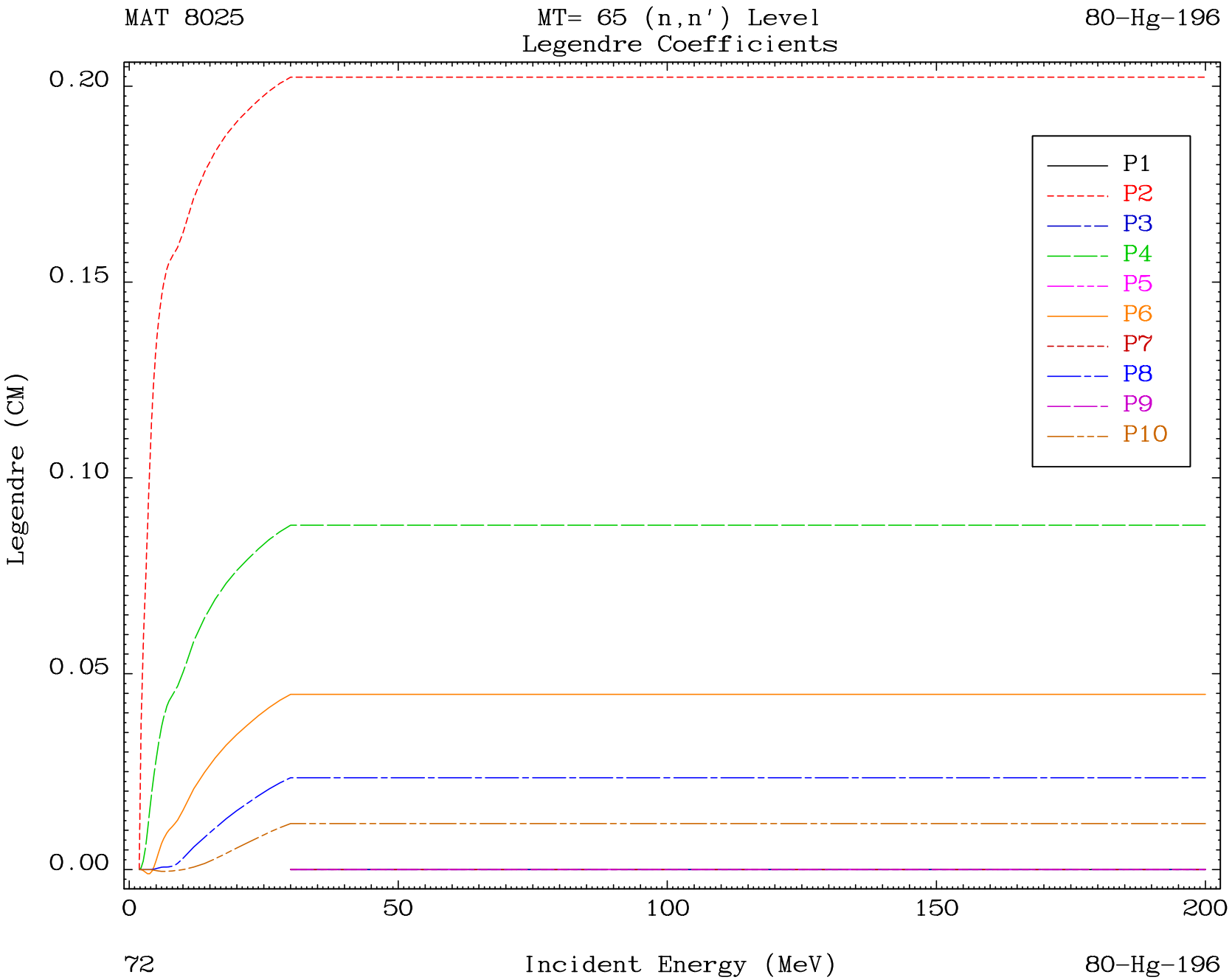

MAT 8025
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28

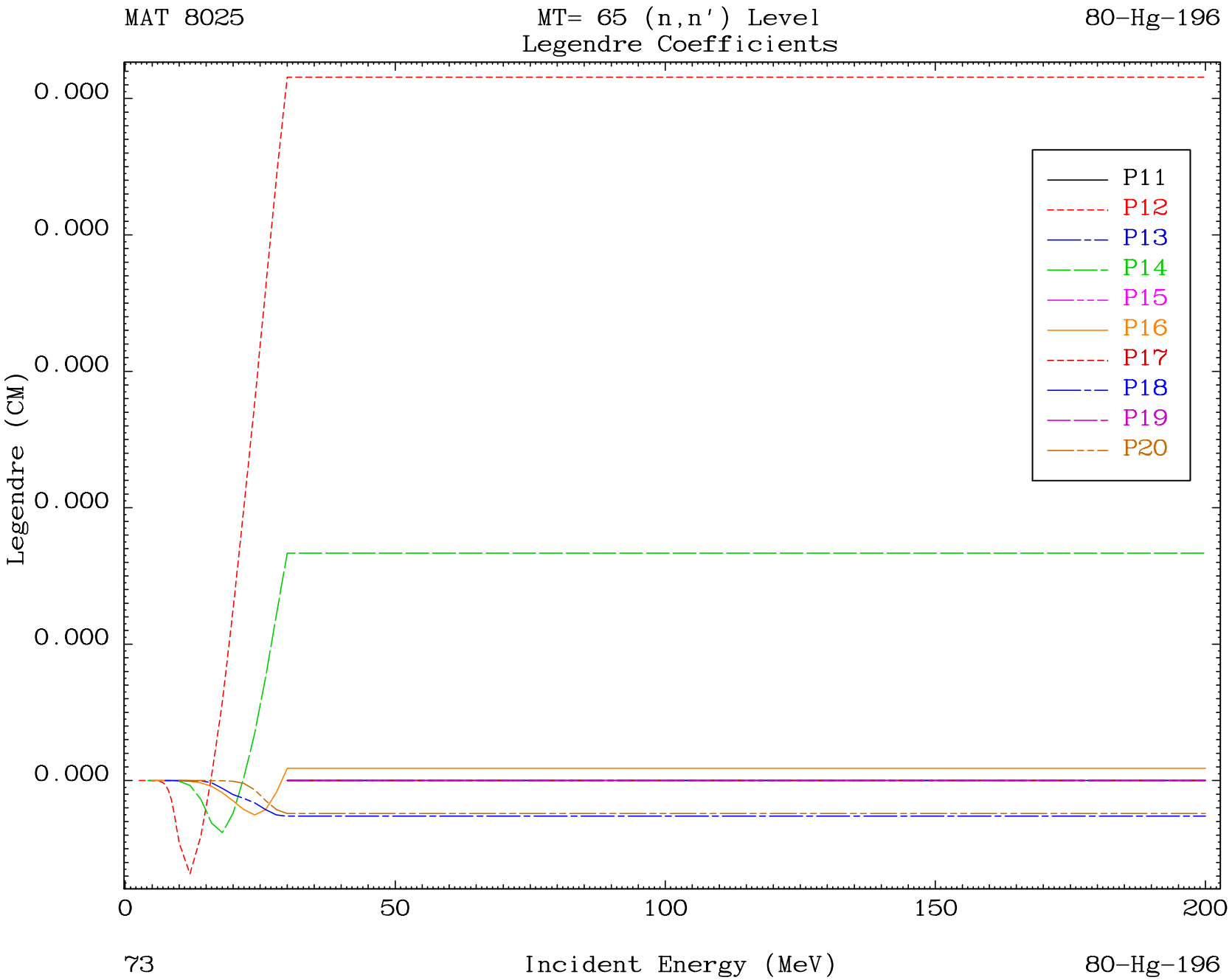

MAT 8025
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
68
Incident Energy (MeV)
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9

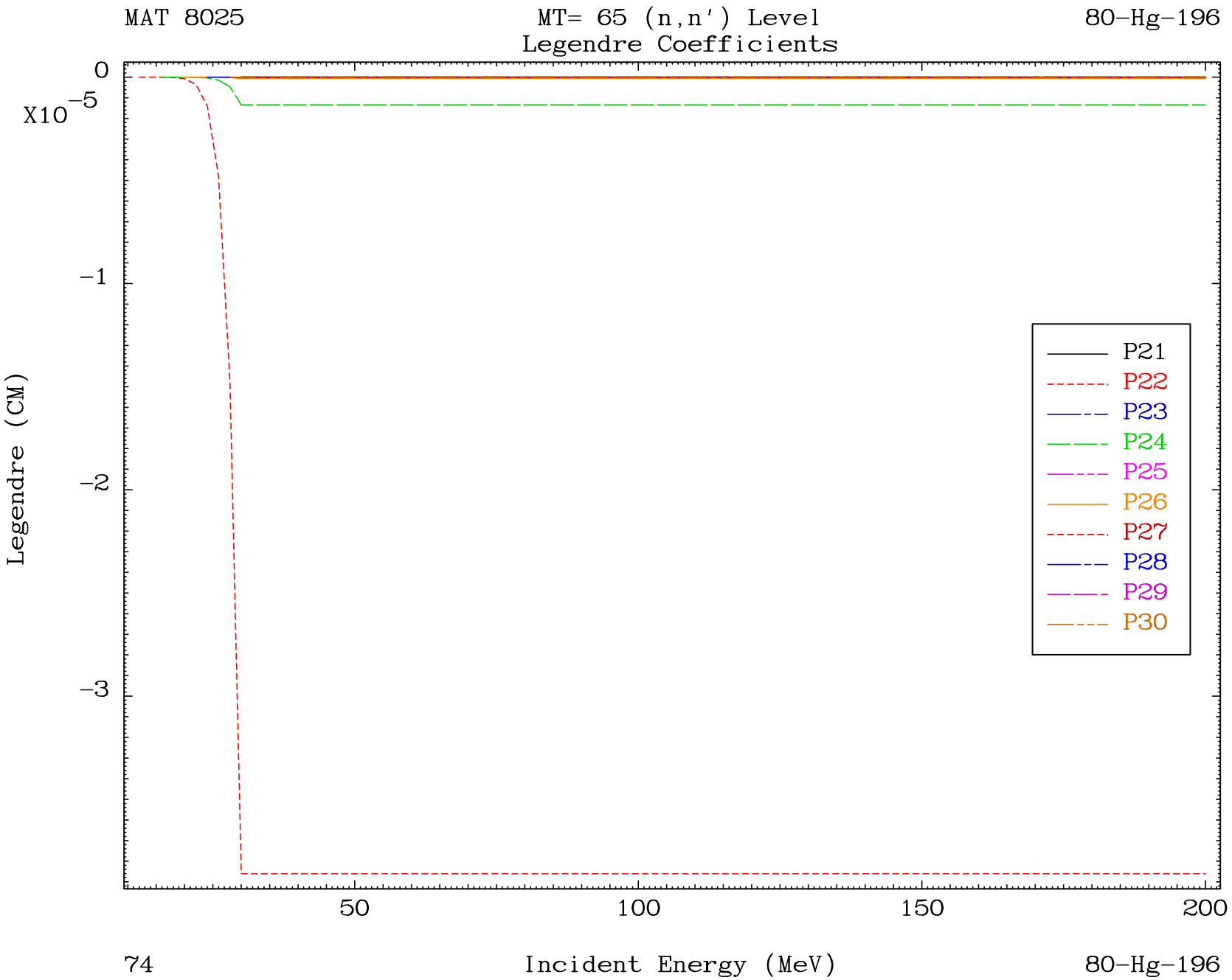

MAT 8025
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-196
0.000
-0.005
-0.010
-0.015
Legendre l (CM)
0
50
100
150
200
69
Incident Energy (MeV)
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18

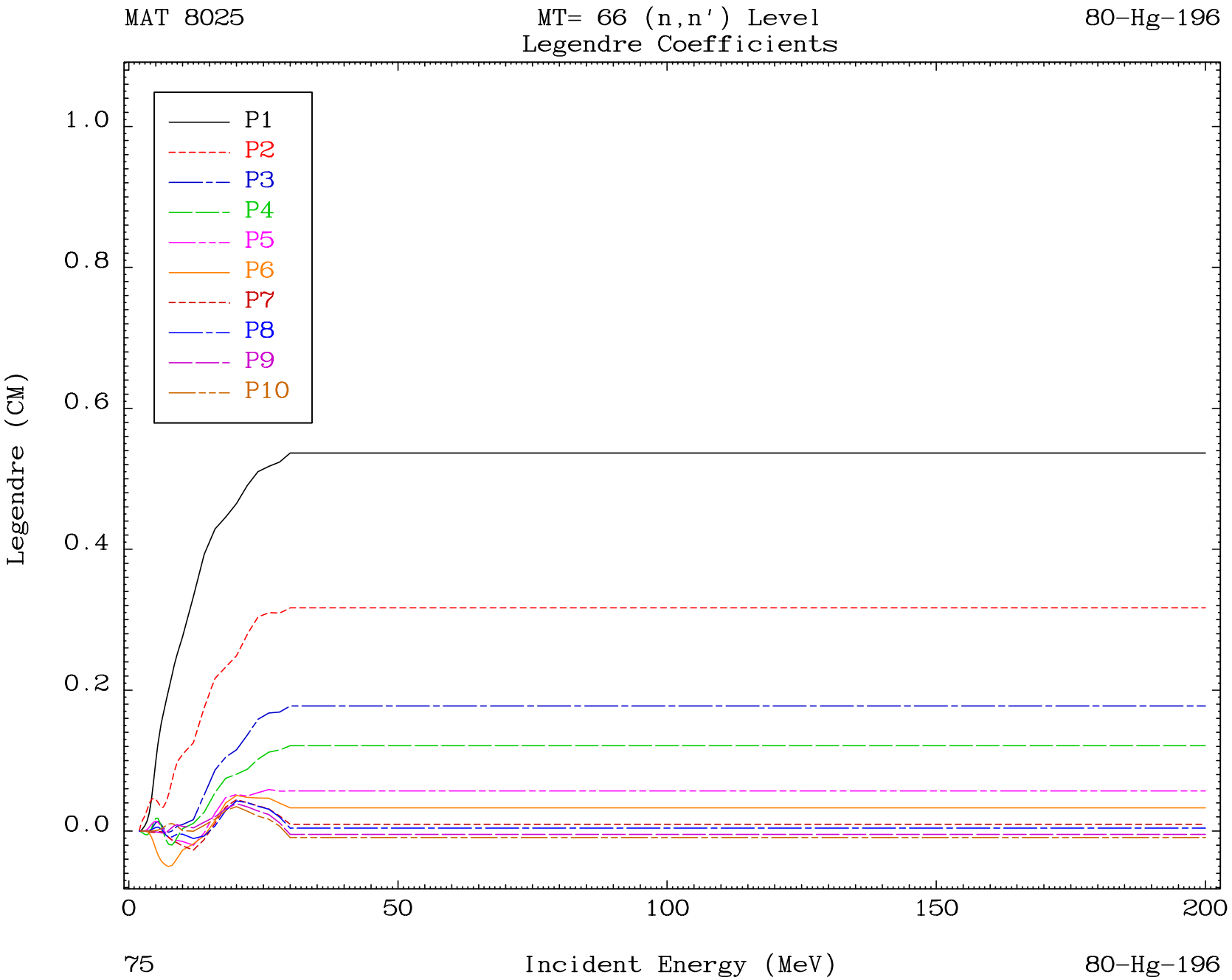

MAT 8025
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
2
1
0
-1
-2
-3
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
80-Hg-196
P19
P20
P21
P22
P23
P24
P25
P26
P27

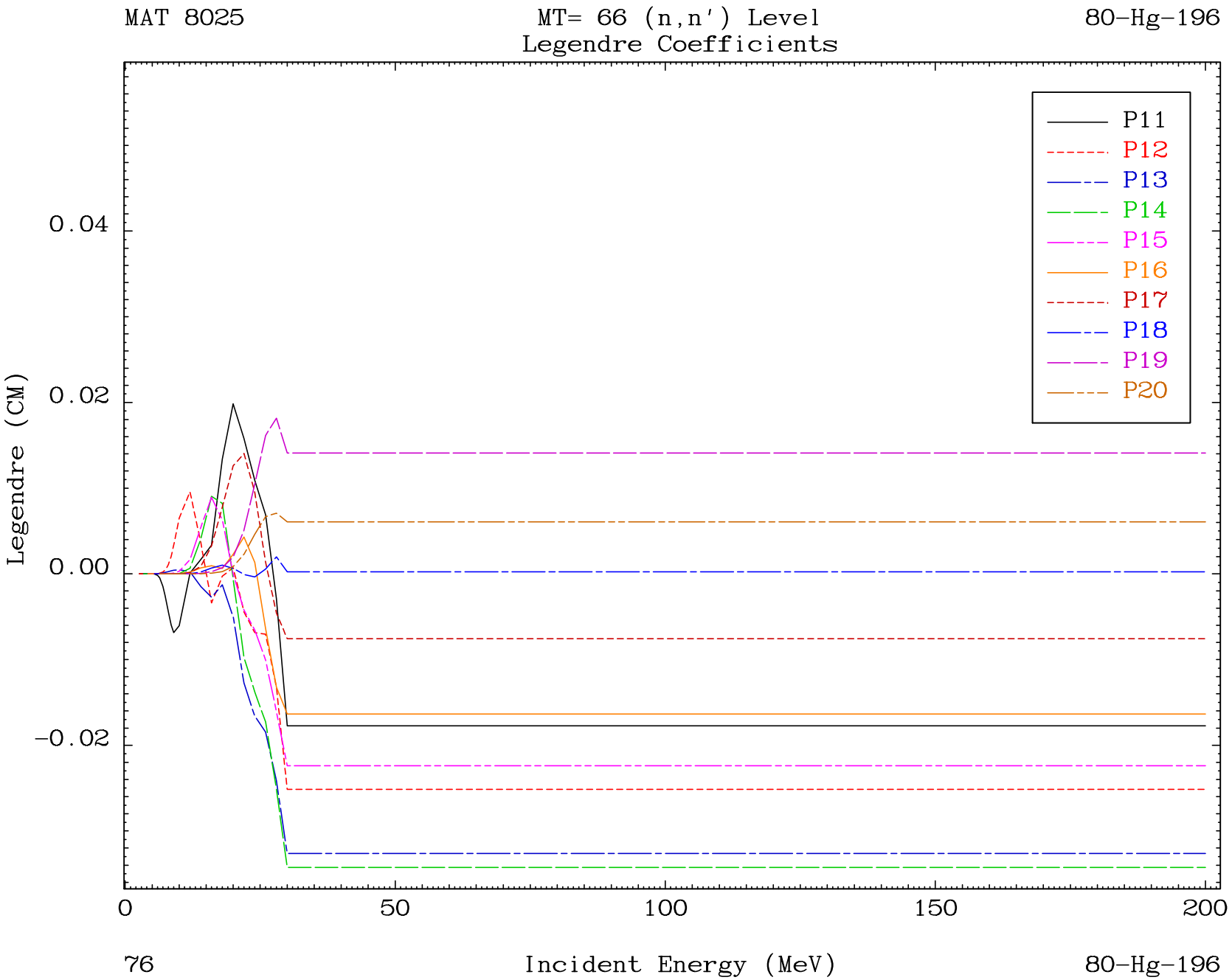

MAT 8025
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-196
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
80-Hg-196
P28
P29
P30
P31
P32
P33
P34
P35
P36

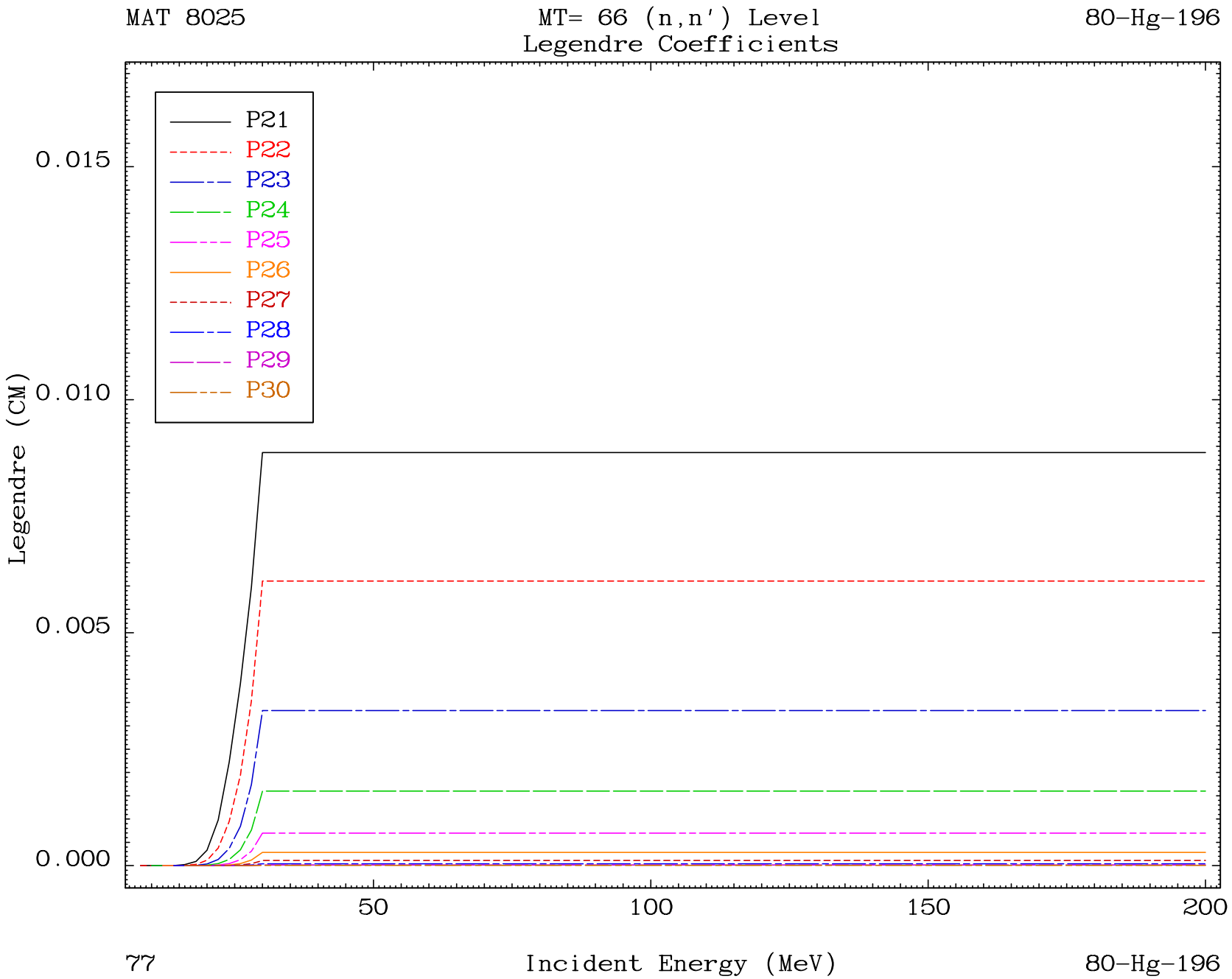

MAT 8025
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-196
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
72
Incident Energy (MeV)
80-Hg-196

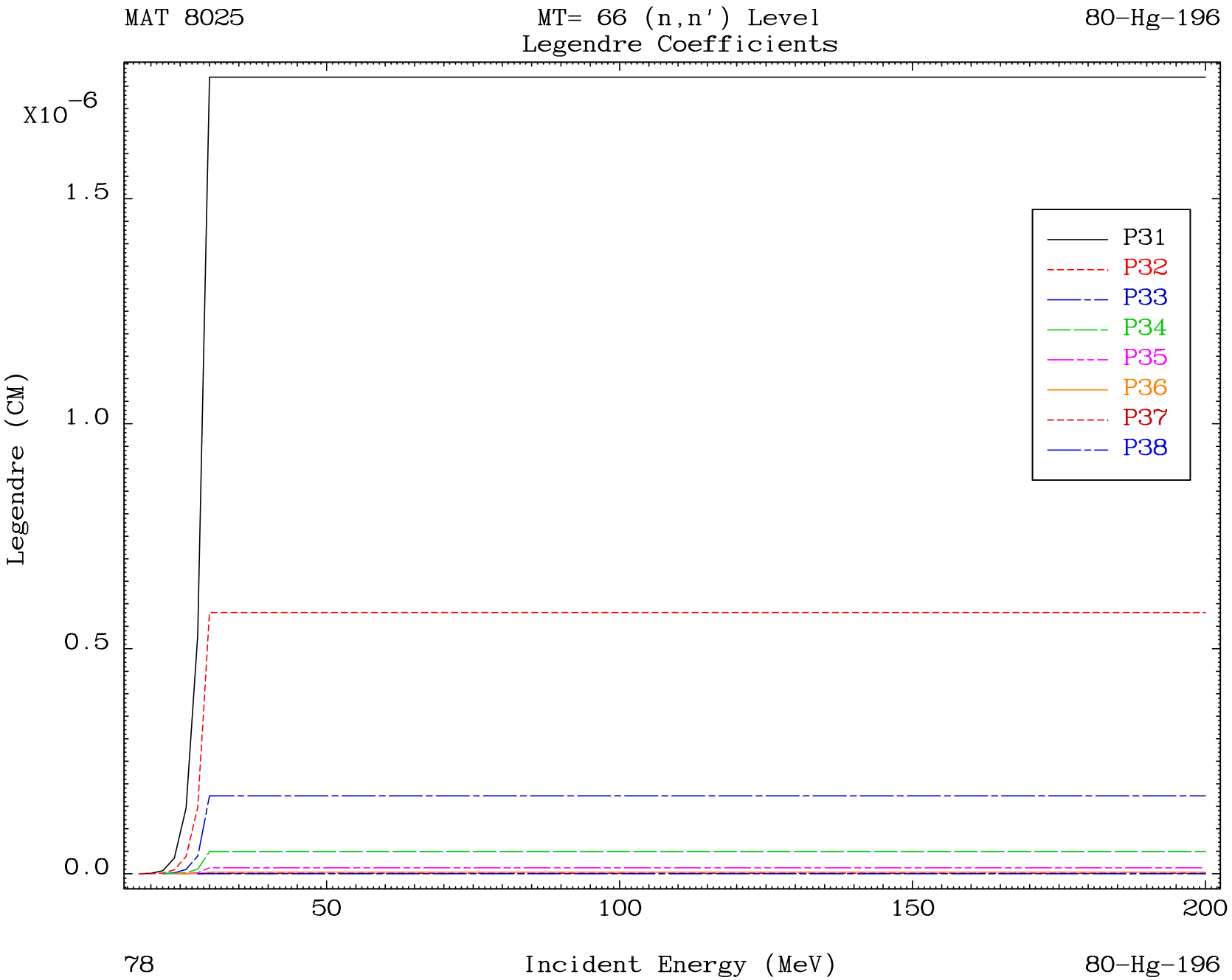

MAT 8025
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-196
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
73
Incident Energy (MeV)
80-Hg-196

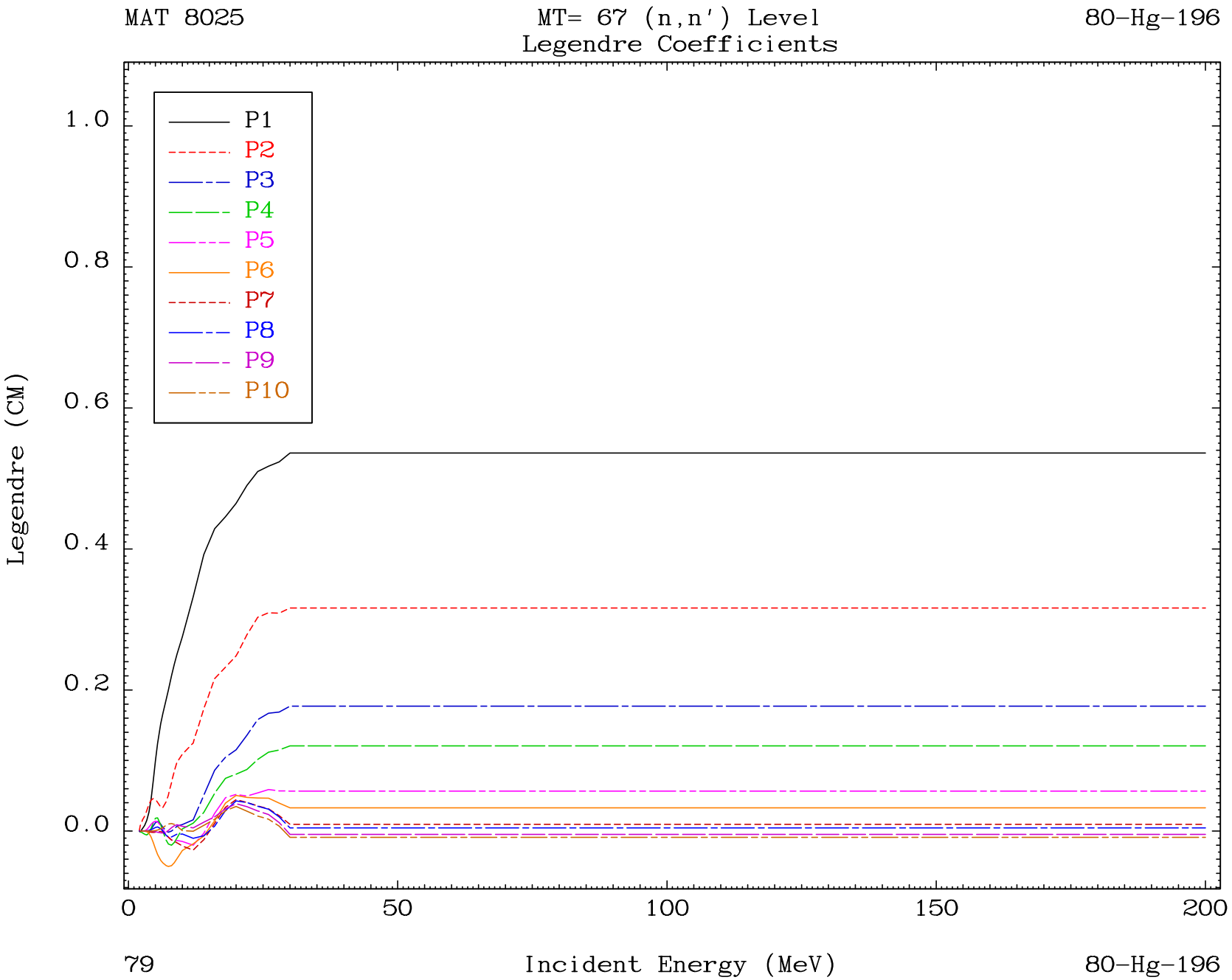

MAT 8025
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-196
0
X10^-5
-1
-2
-3
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
74
Incident Energy (MeV)
80-Hg-196

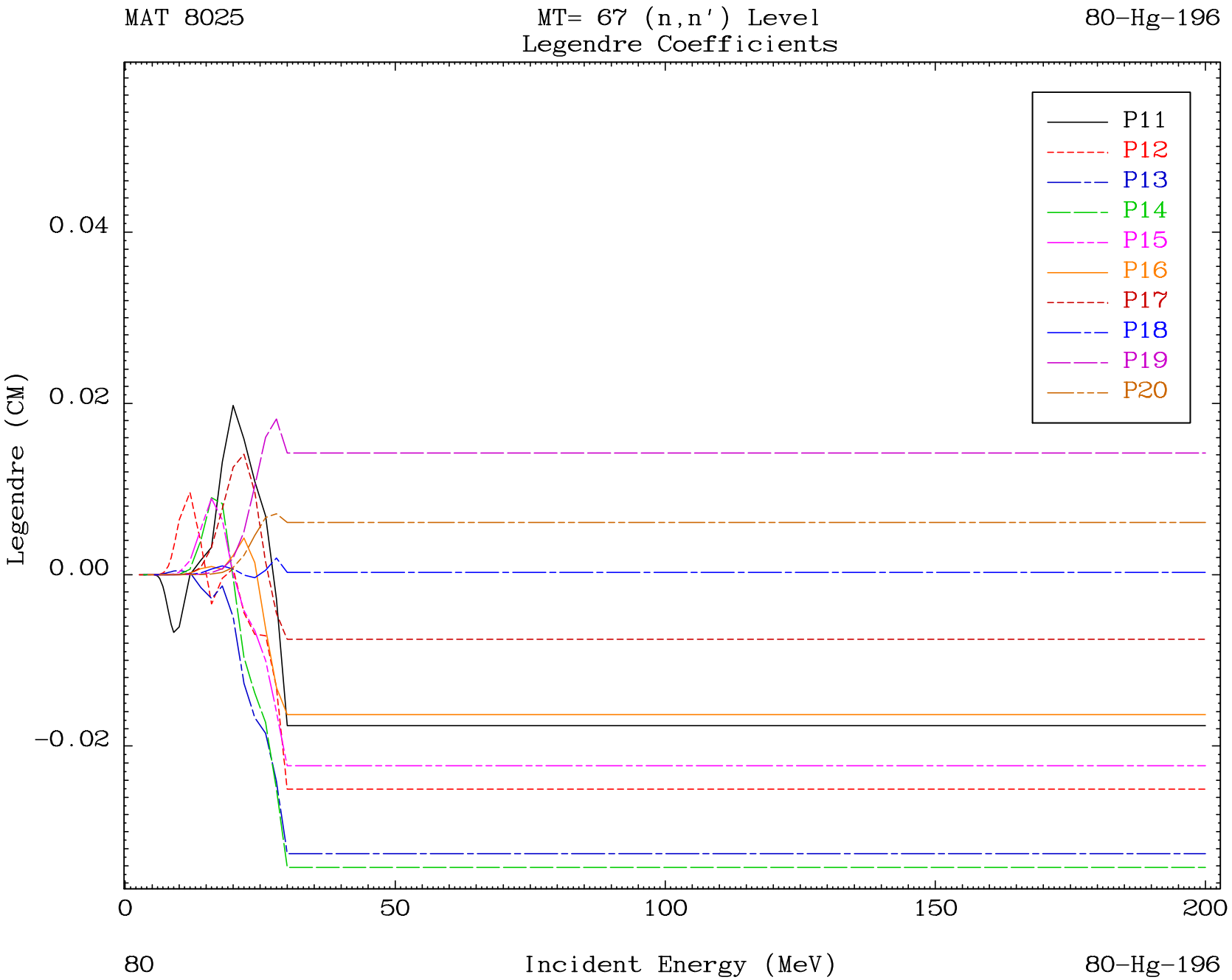

MAT 8025
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
75
Incident Energy (MeV)
80-Hg-196

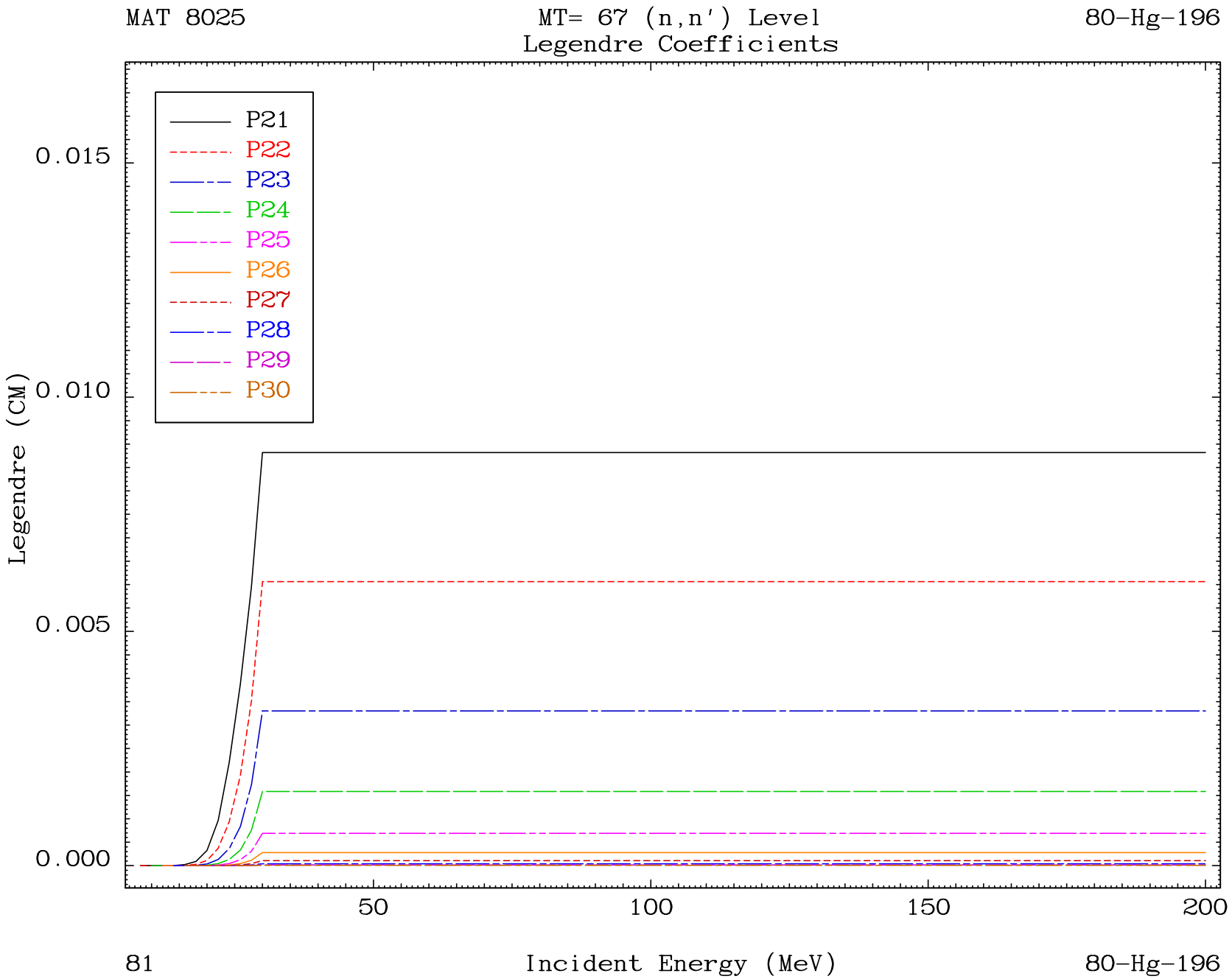

MAT 8025
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
80-Hg-196

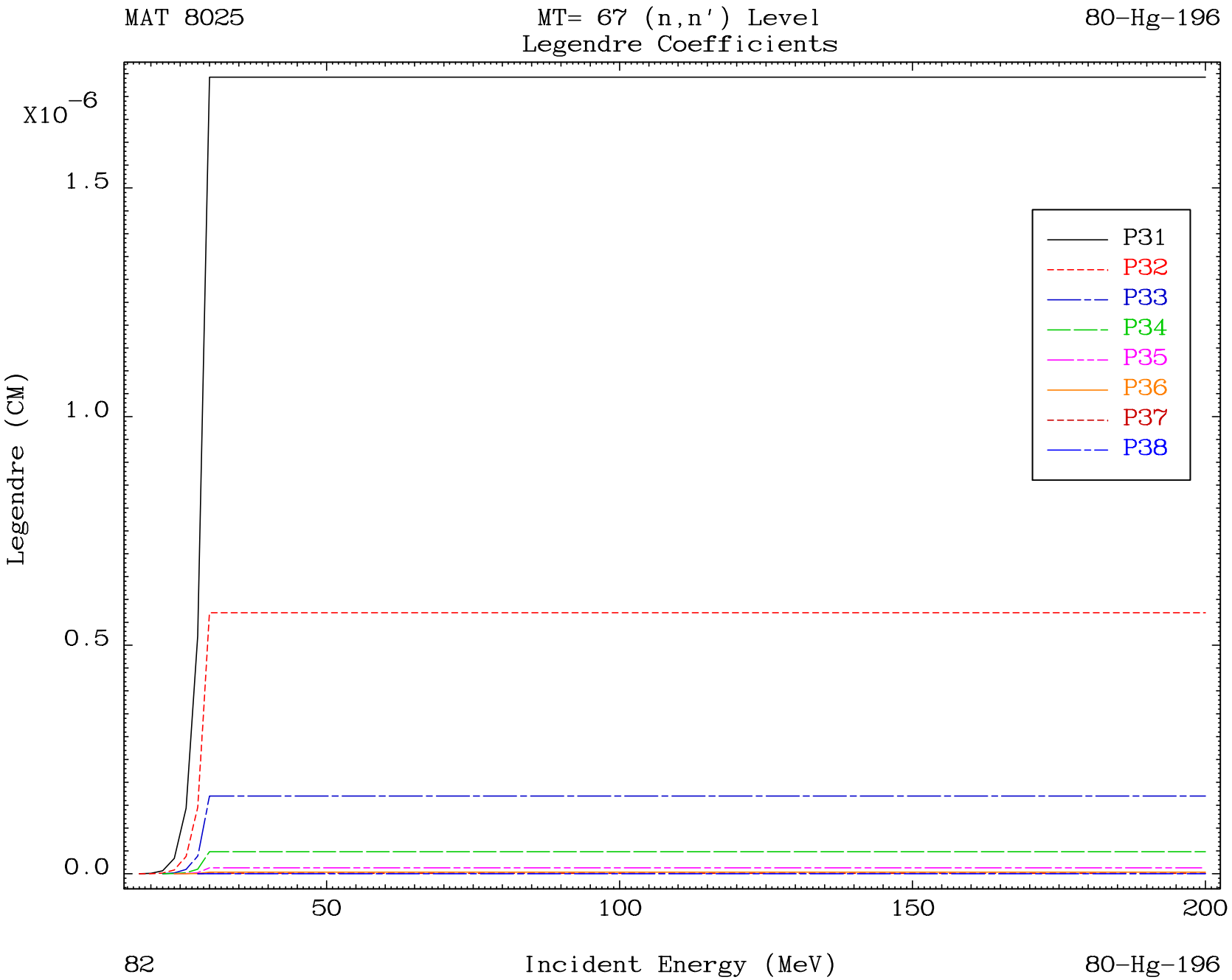

MAT 8025
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
80-Hg-196

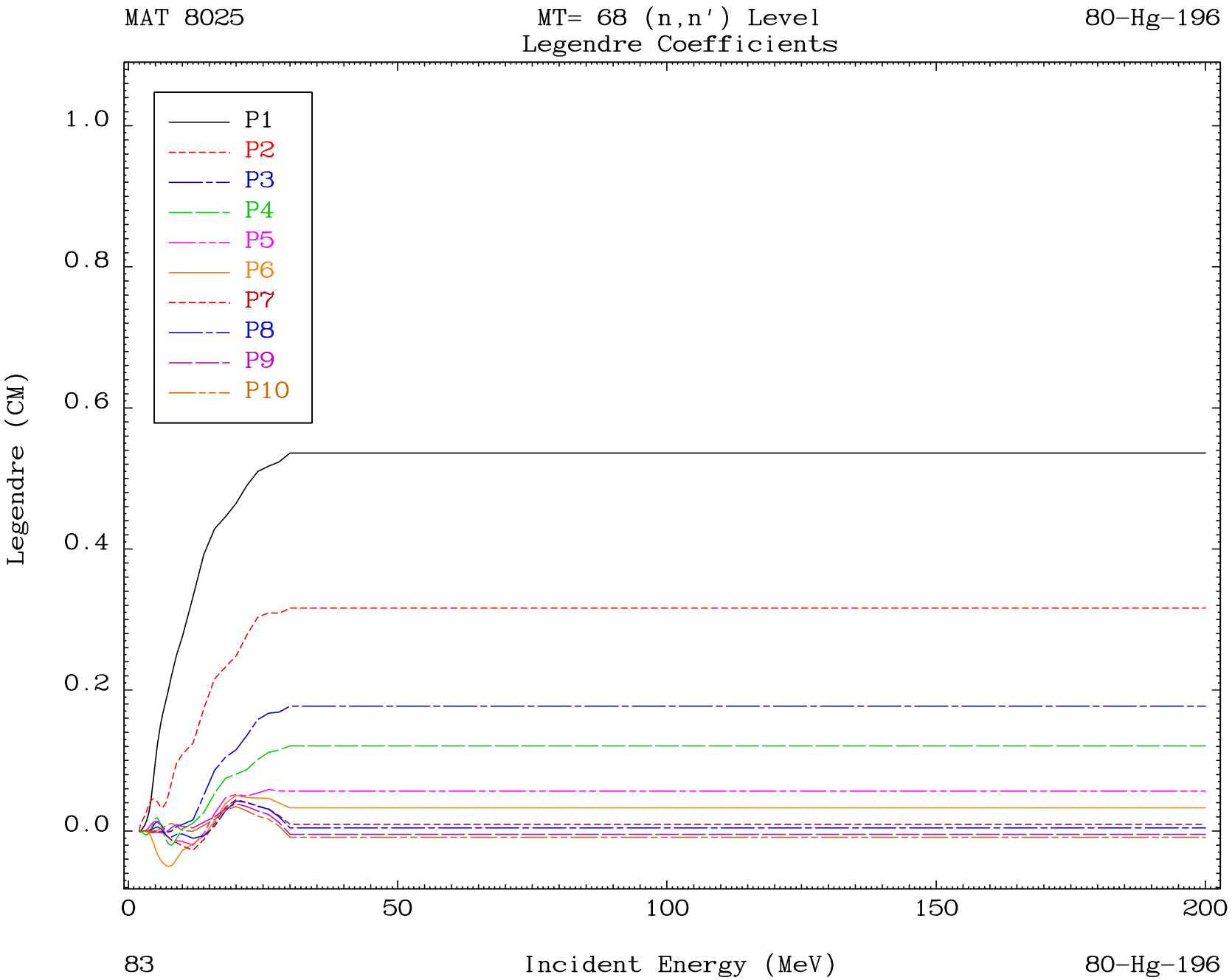

MAT 8025
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
78
Incident Energy (MeV)
80-Hg-196

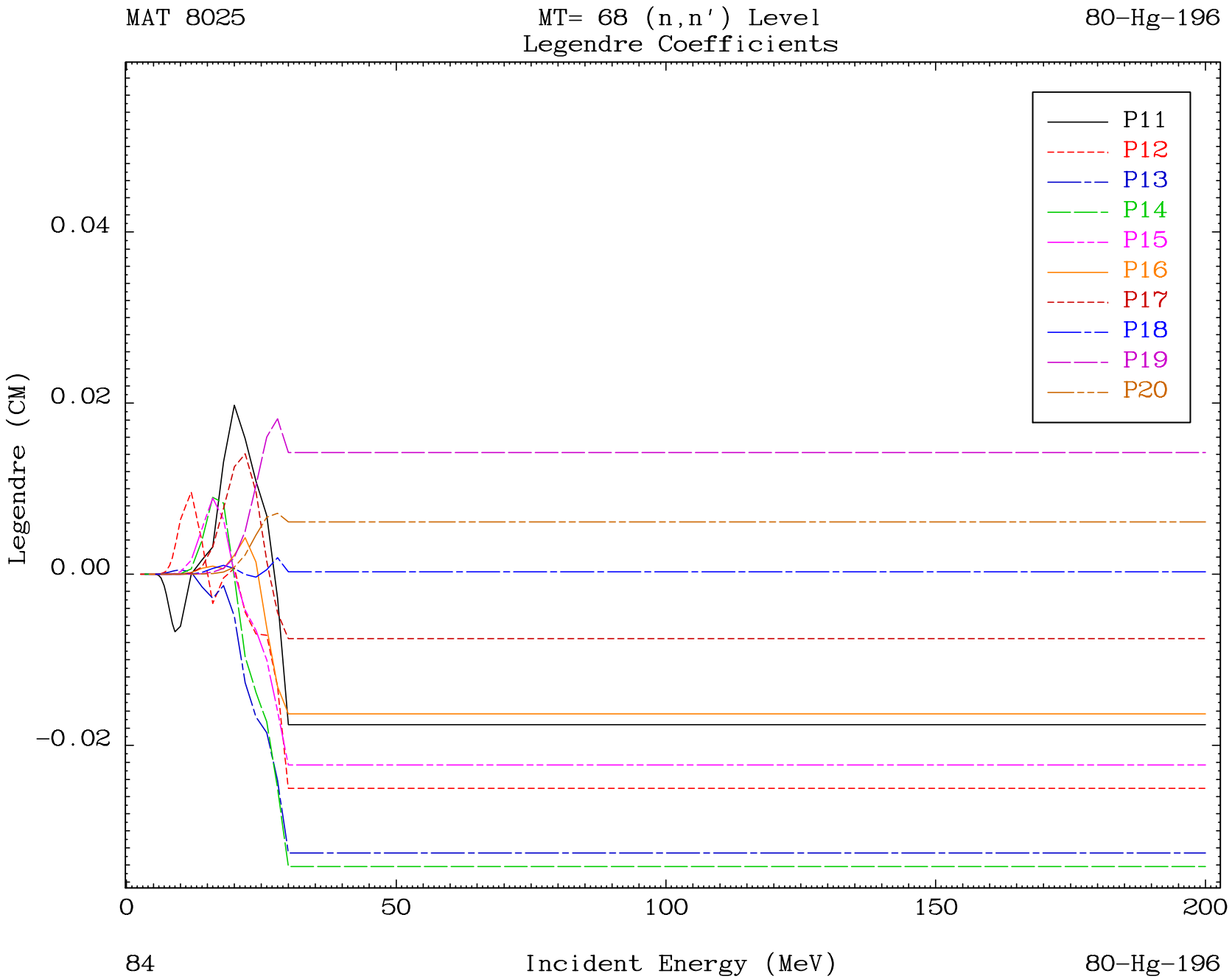

MAT 8025
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
79
Incident Energy (MeV)
80-Hg-196

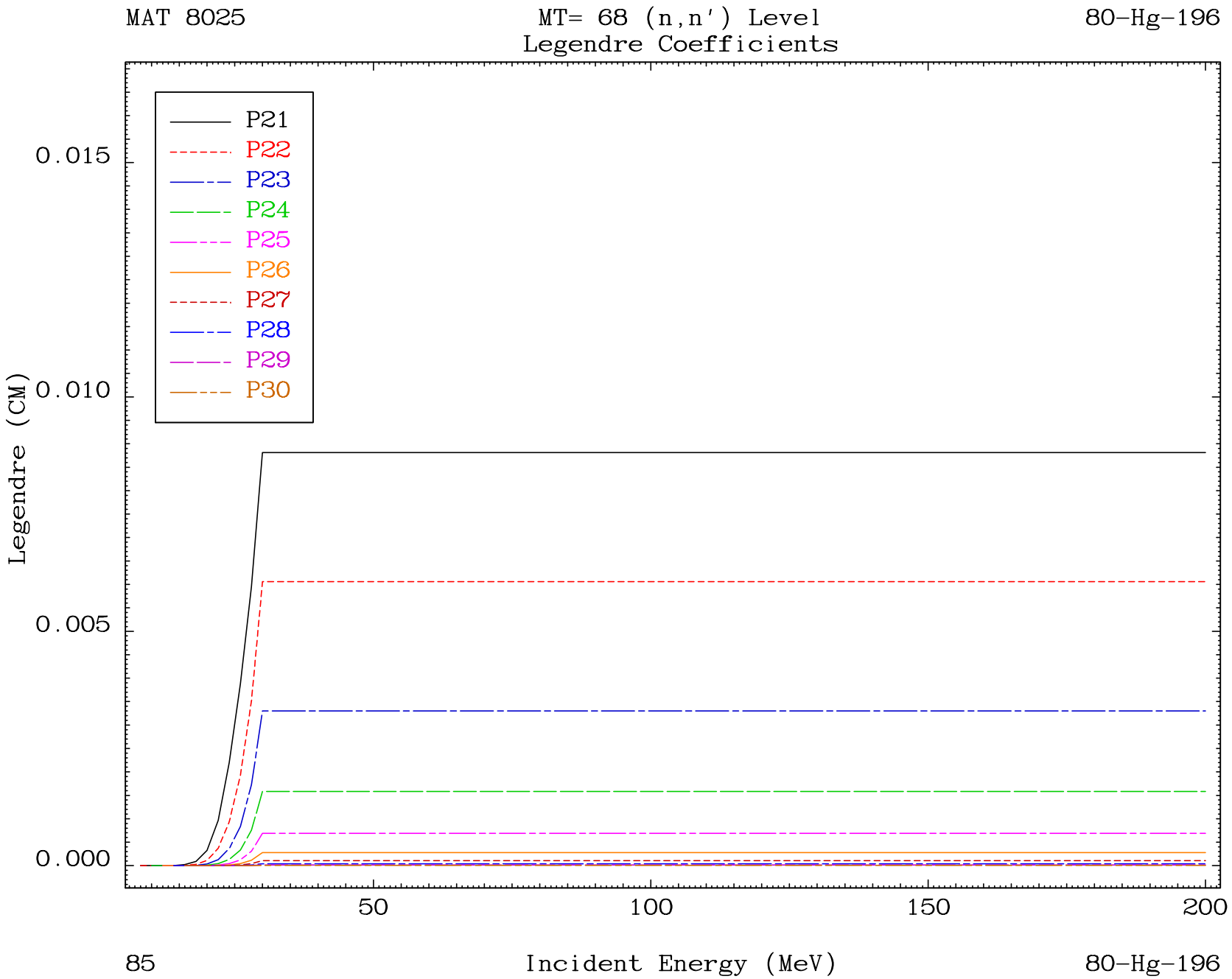

MAT 8025
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
80
Incident Energy (MeV)
80-Hg-196

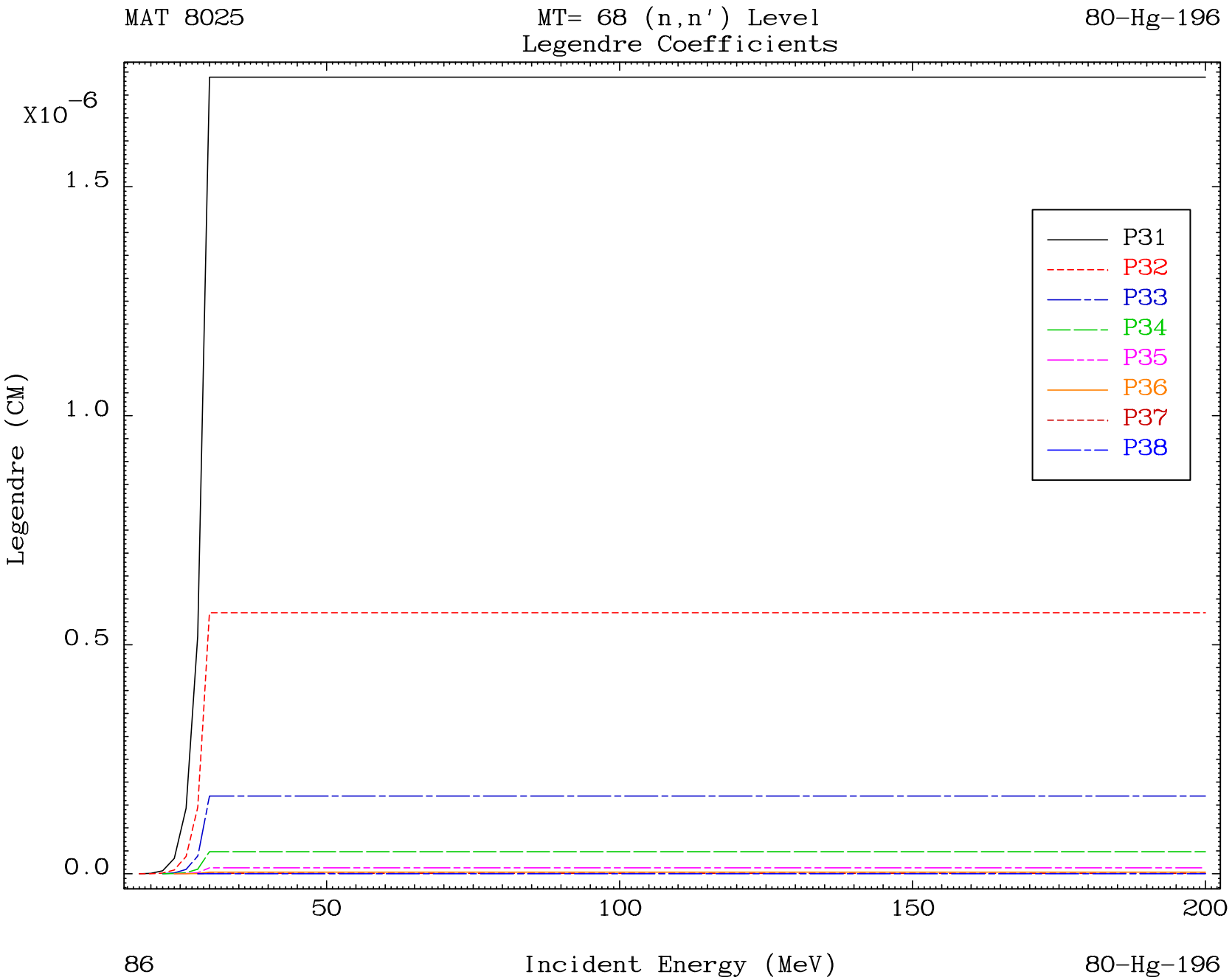

MAT 8025
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
80-Hg-196

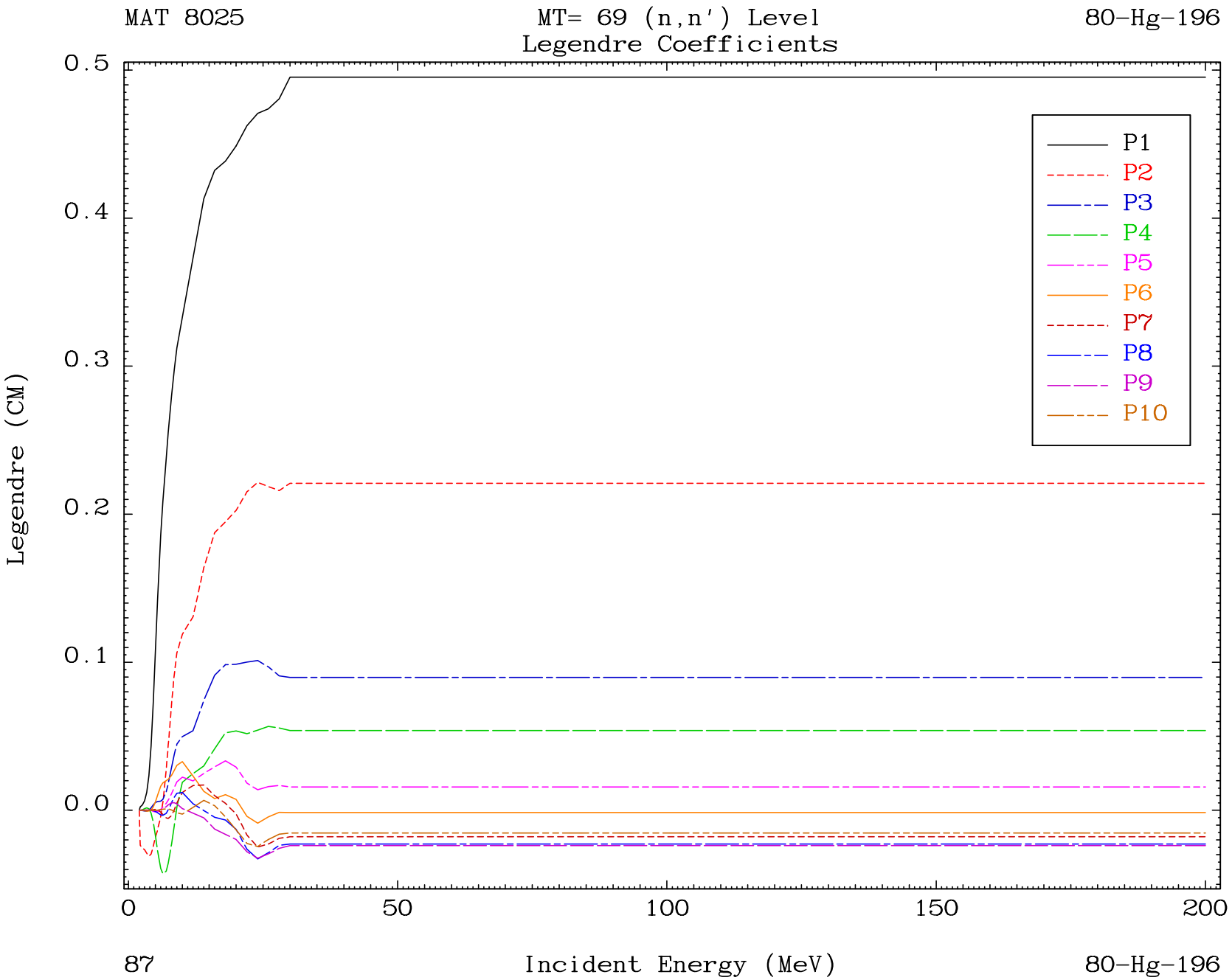

MAT 8025
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
82
Incident Energy (MeV)
80-Hg-196

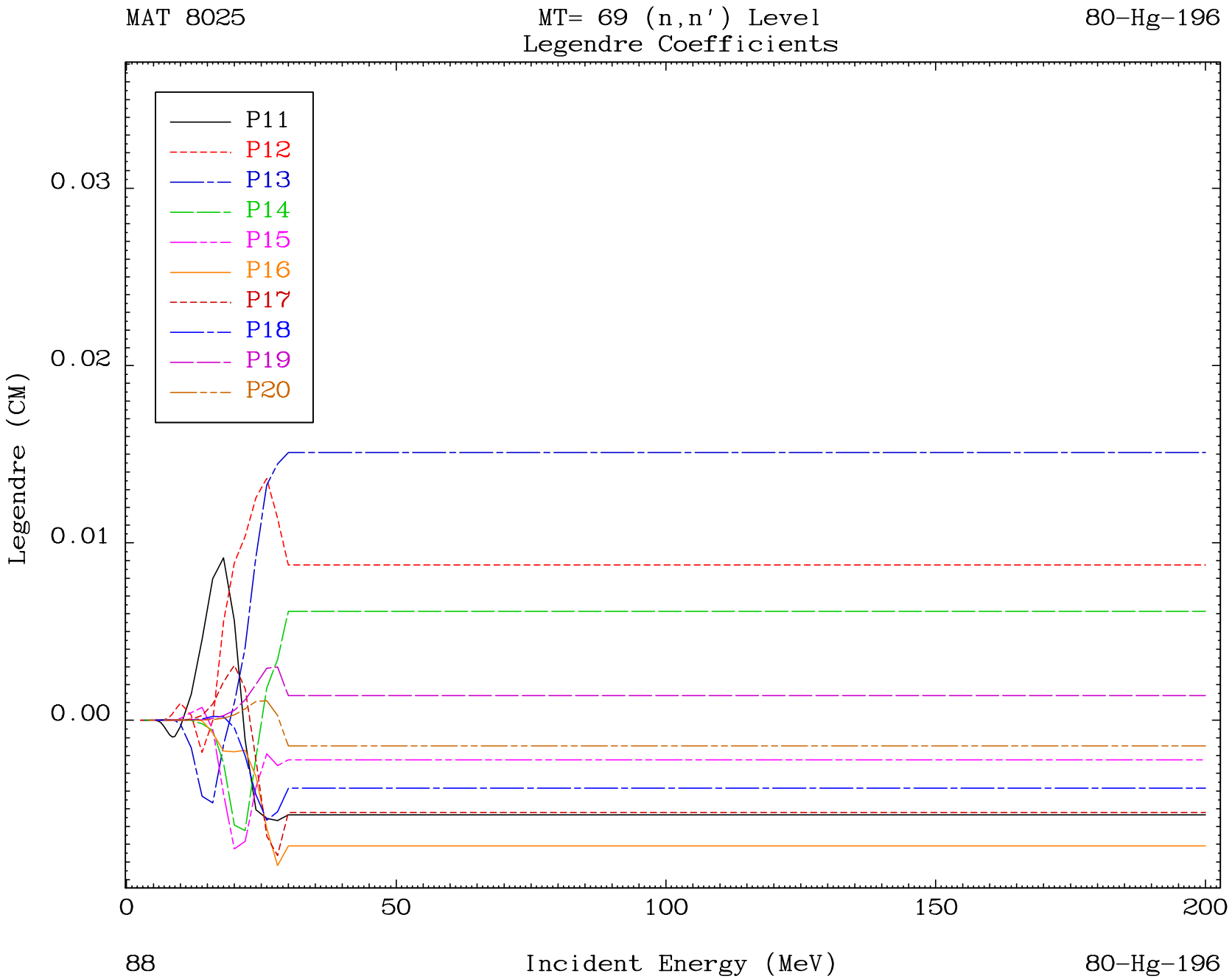

MAT 8025
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
83
Incident Energy (MeV)
80-Hg-196

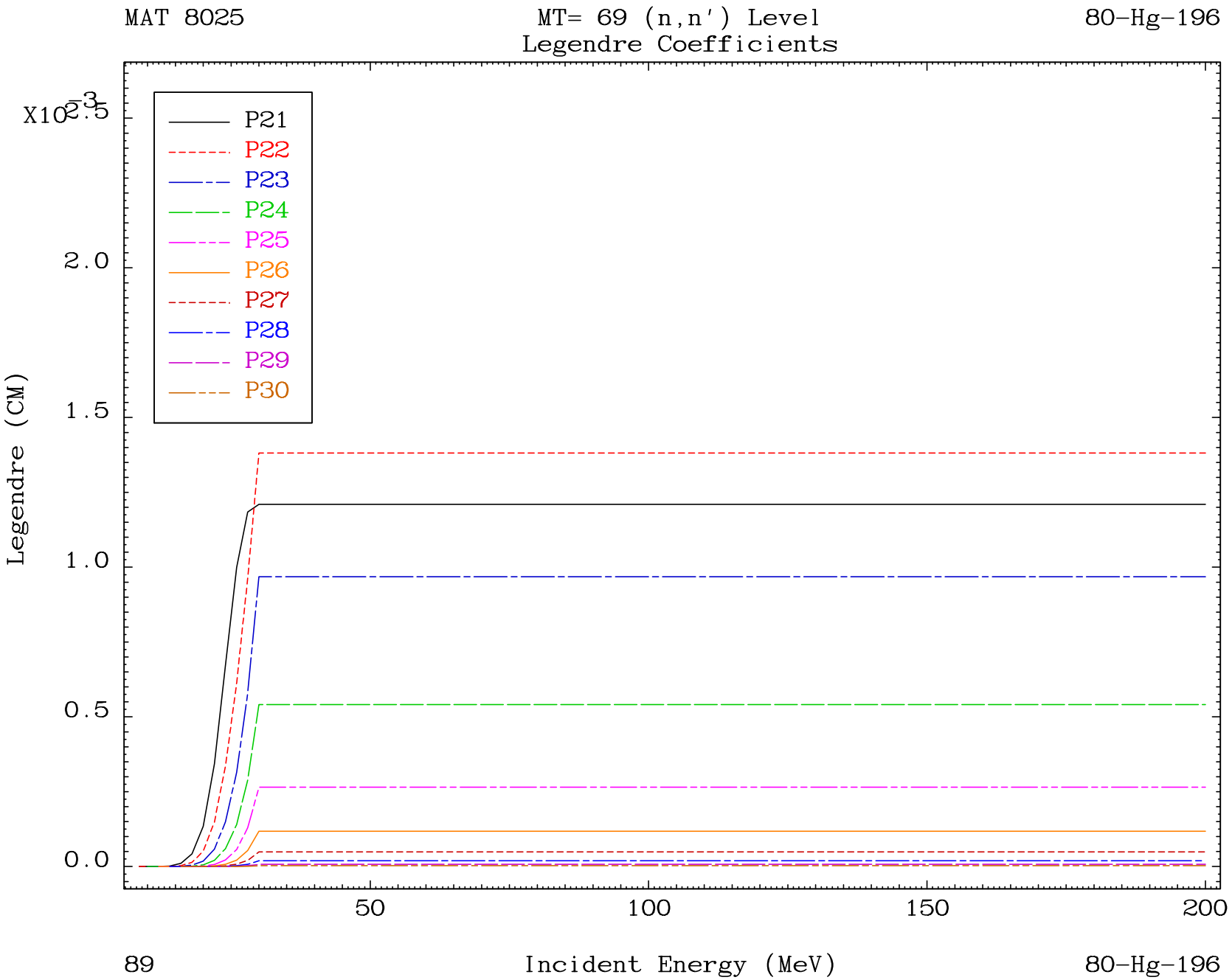

MAT 8025
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
84
Incident Energy (MeV)
80-Hg-196

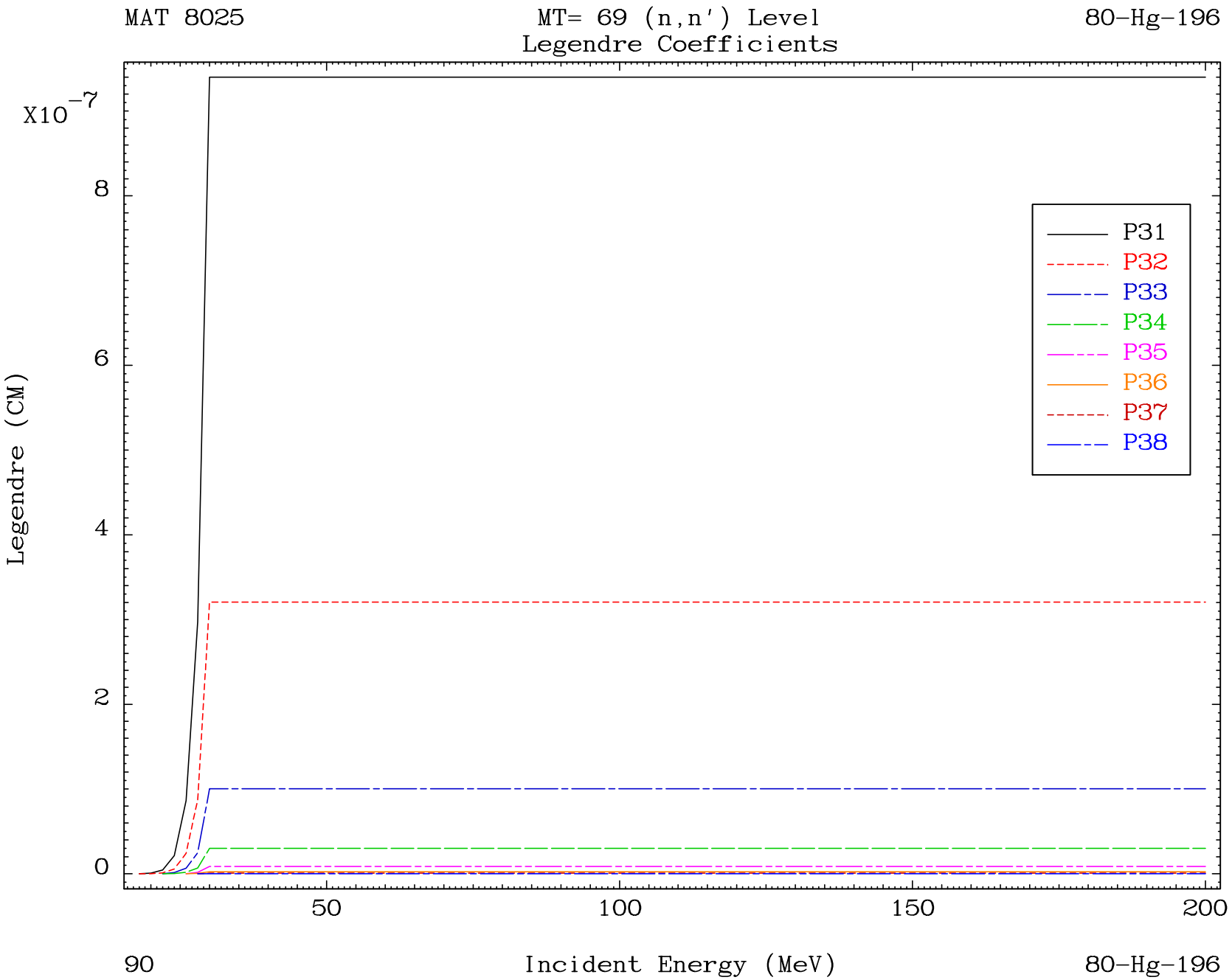

MAT 8025
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
80-Hg-196

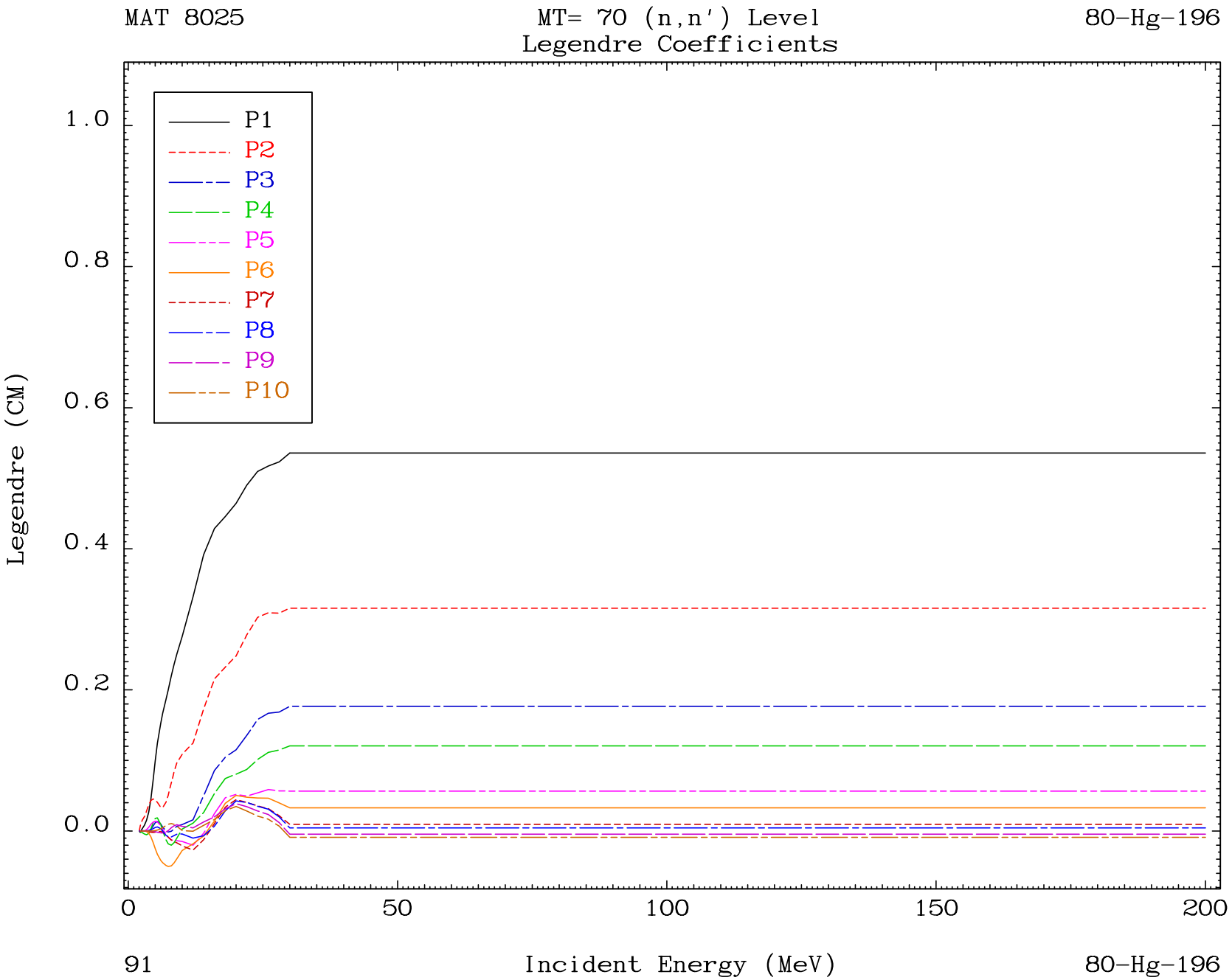

MAT 8025
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
86
Incident Energy (MeV)
80-Hg-196

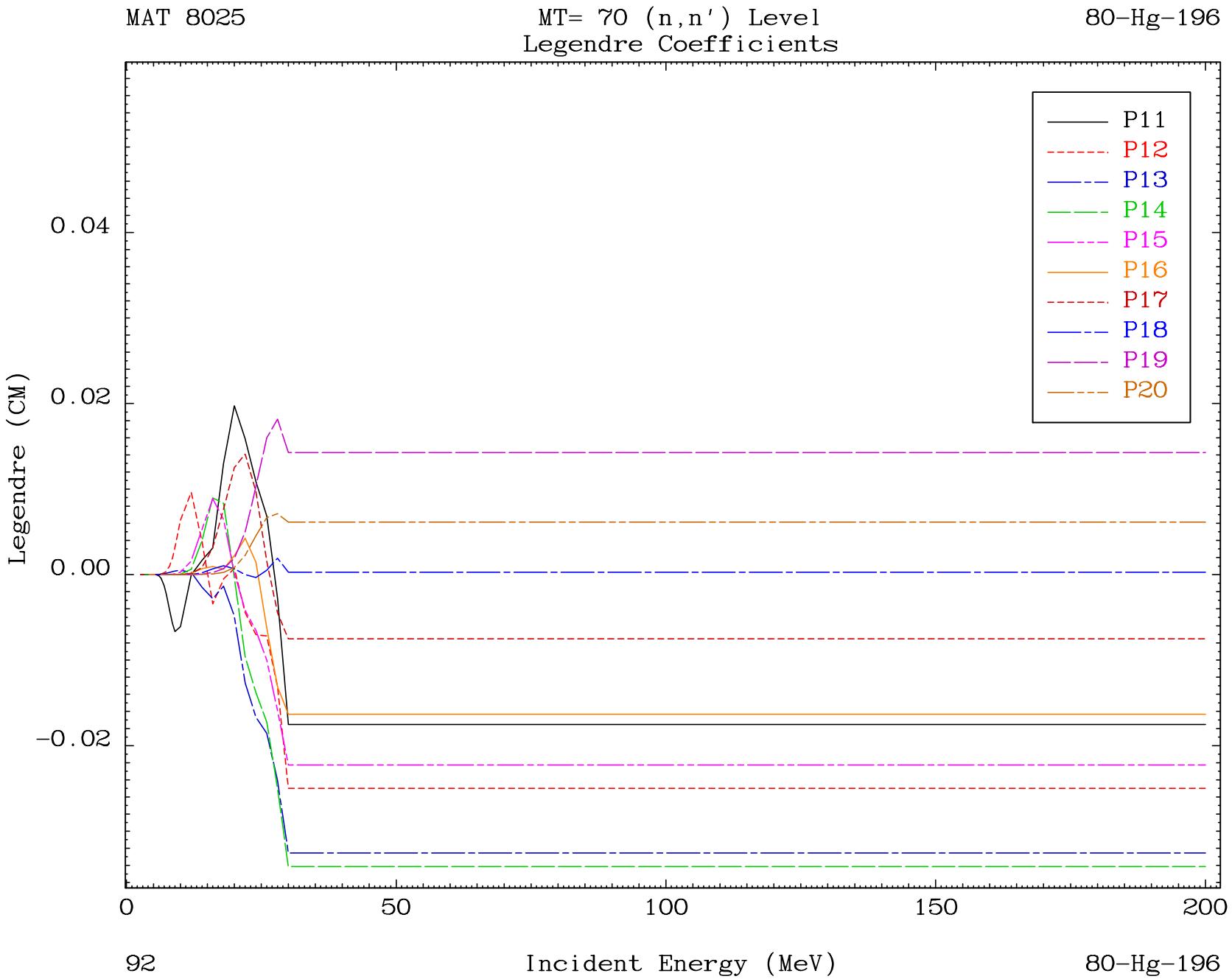

MAT 8025
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-196
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
87
Incident Energy (MeV)
80-Hg-196

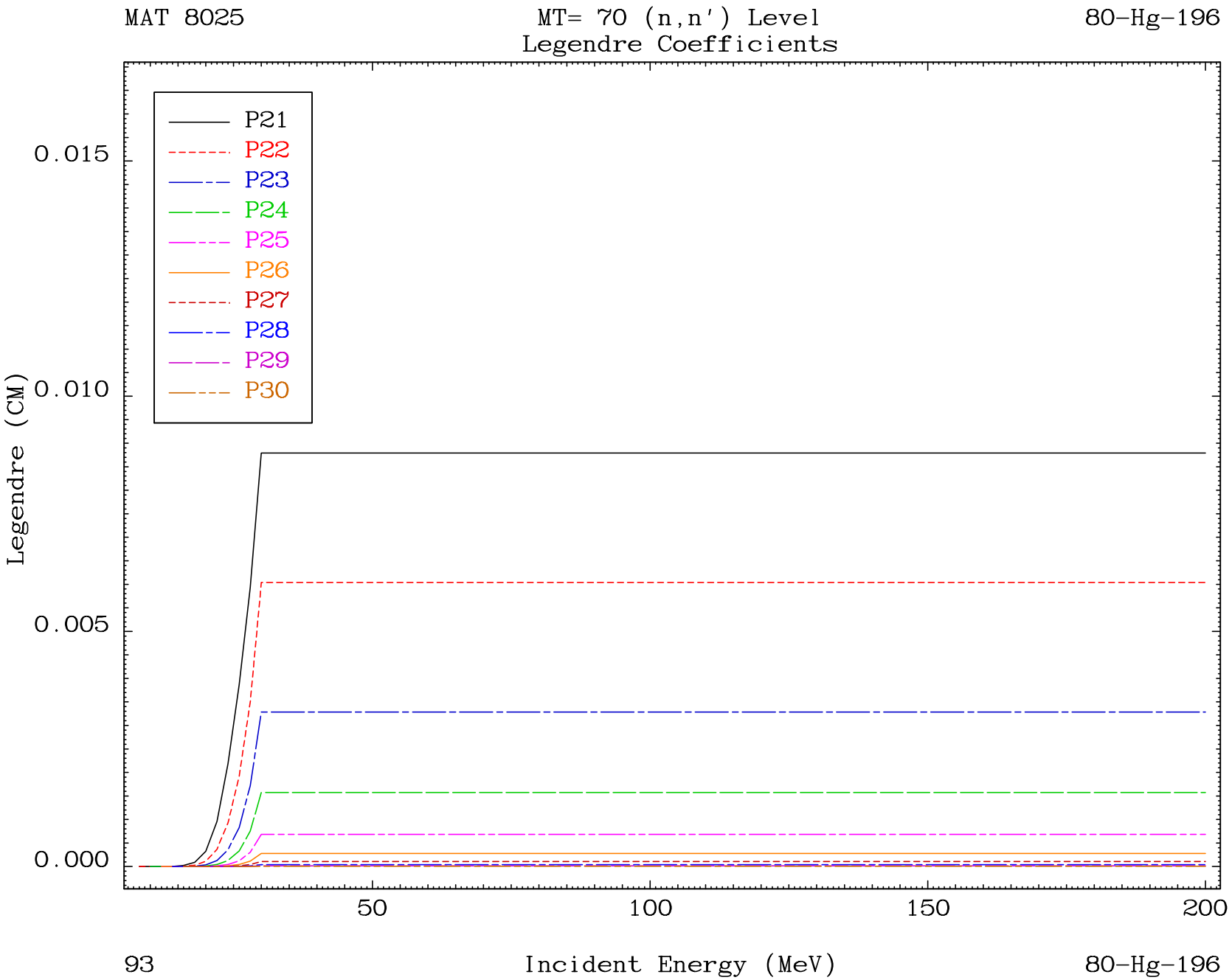

MAT 8025
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
88
Incident Energy (MeV)
80-Hg-196

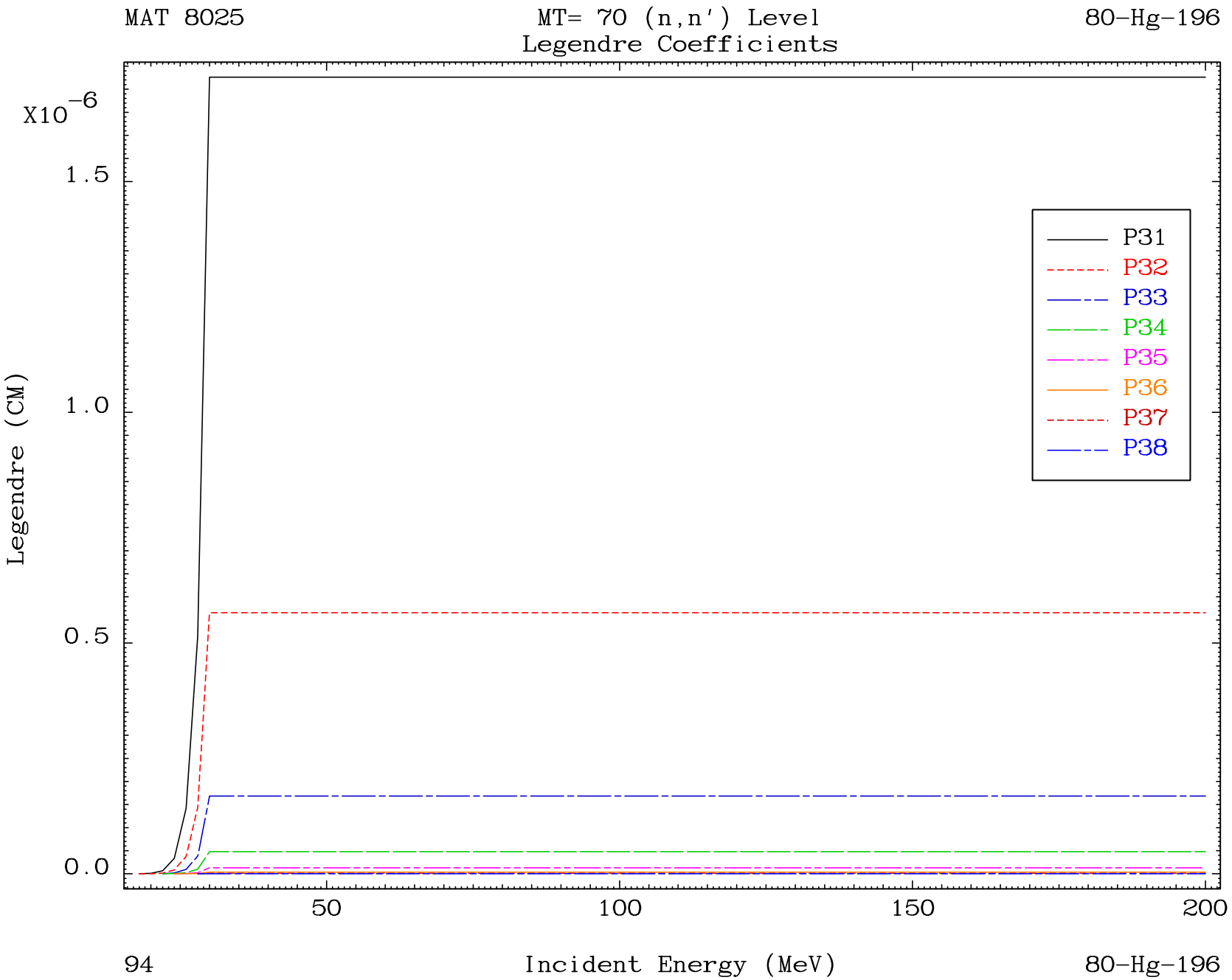

MAT 8025
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
89
Incident Energy (MeV)
80-Hg-196

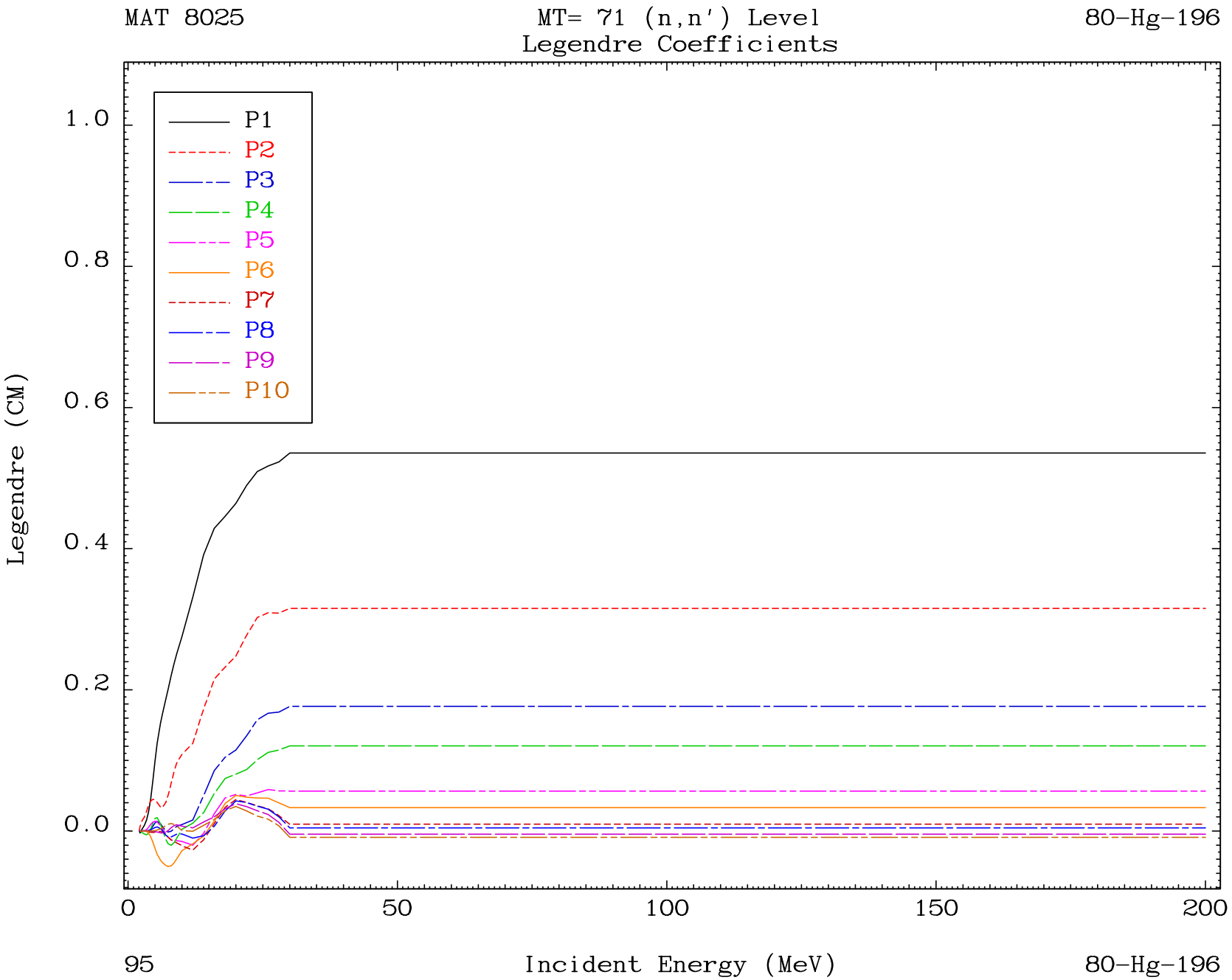

MAT 8025
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-7
8
6
4
2
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
90
Incident Energy (MeV)
80-Hg-196

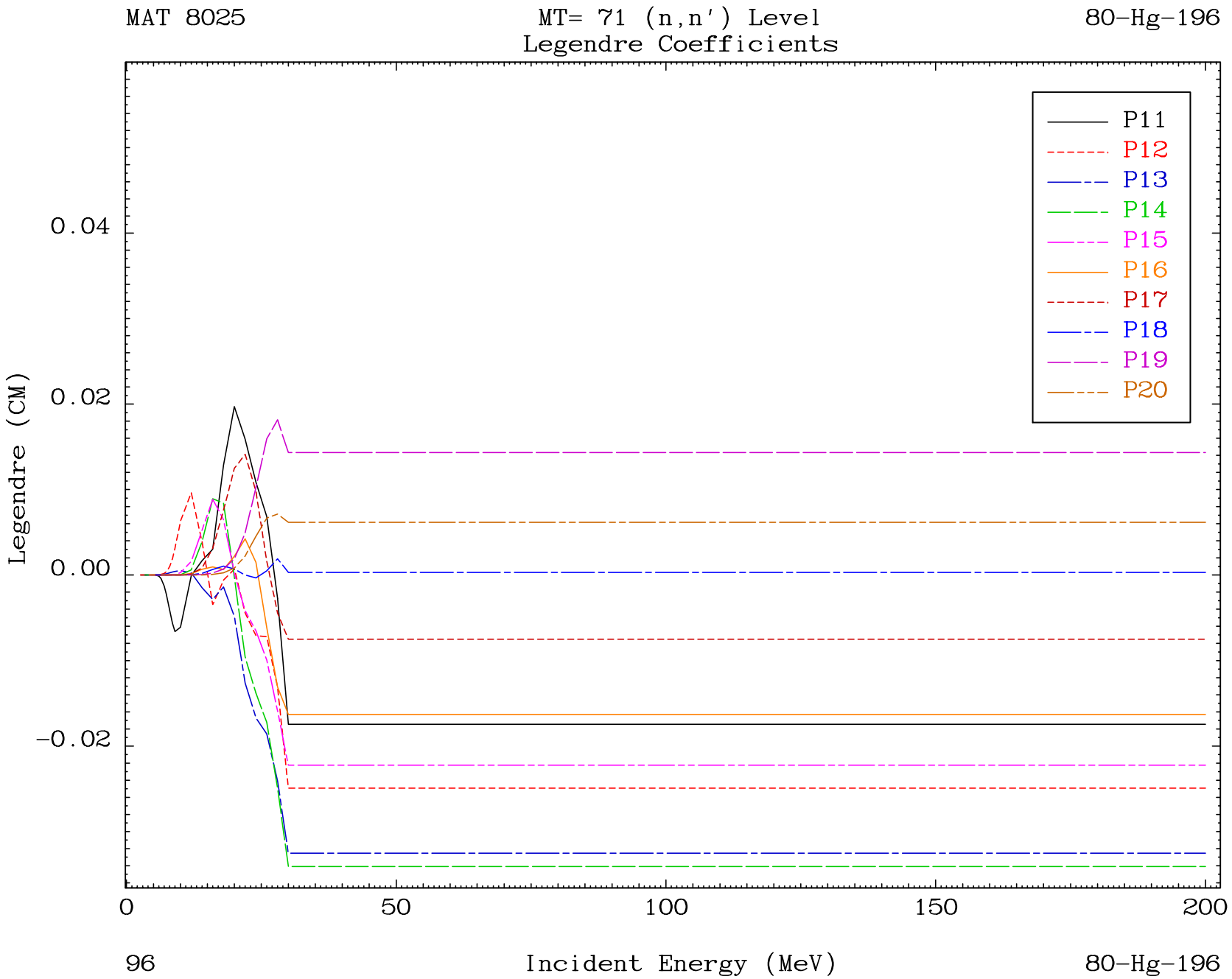

MAT 8025
MT= 70 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
91
Incident Energy (MeV)
80-Hg-196

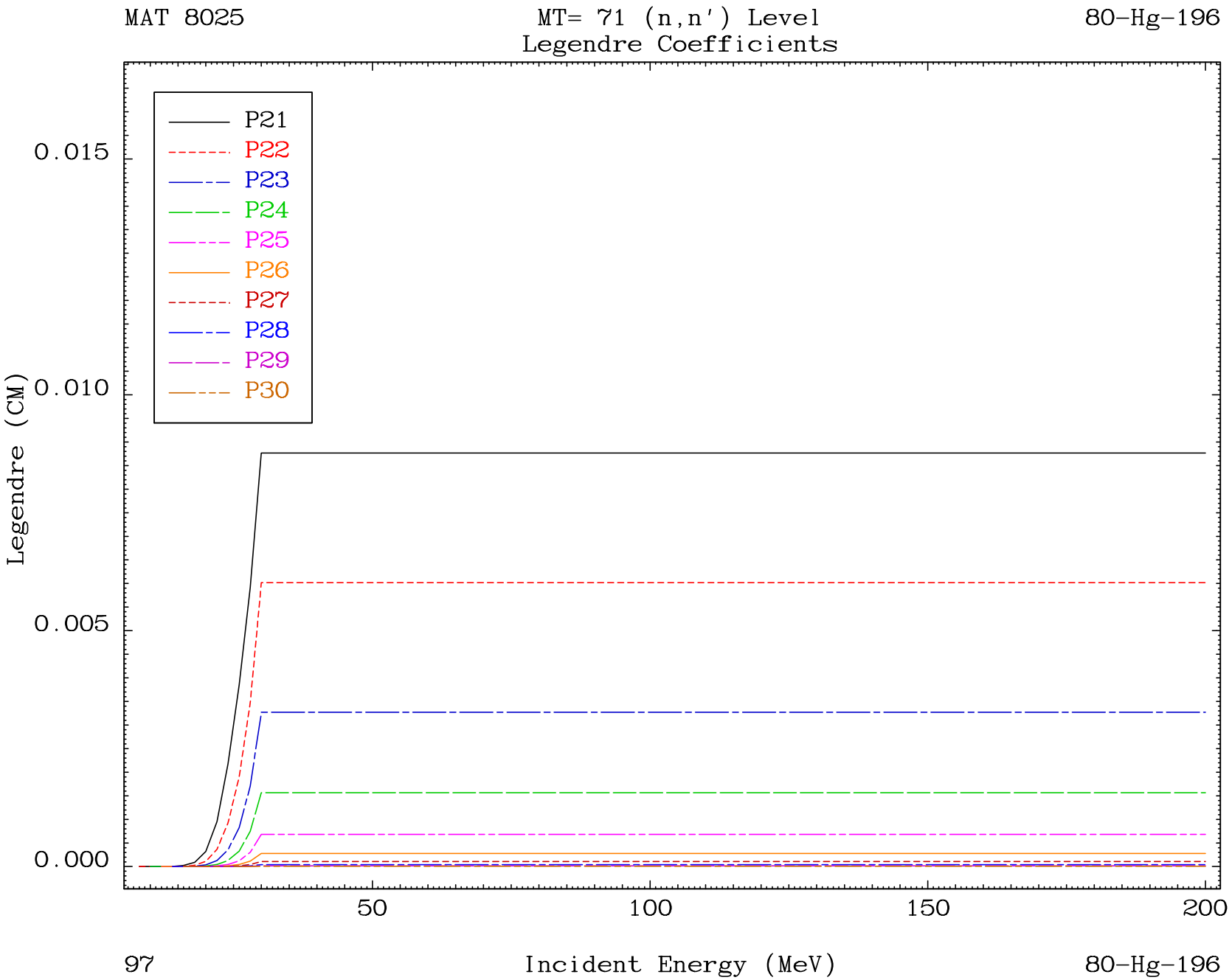

MAT 8025
MT= 70 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
92
Incident Energy (MeV)
80-Hg-196

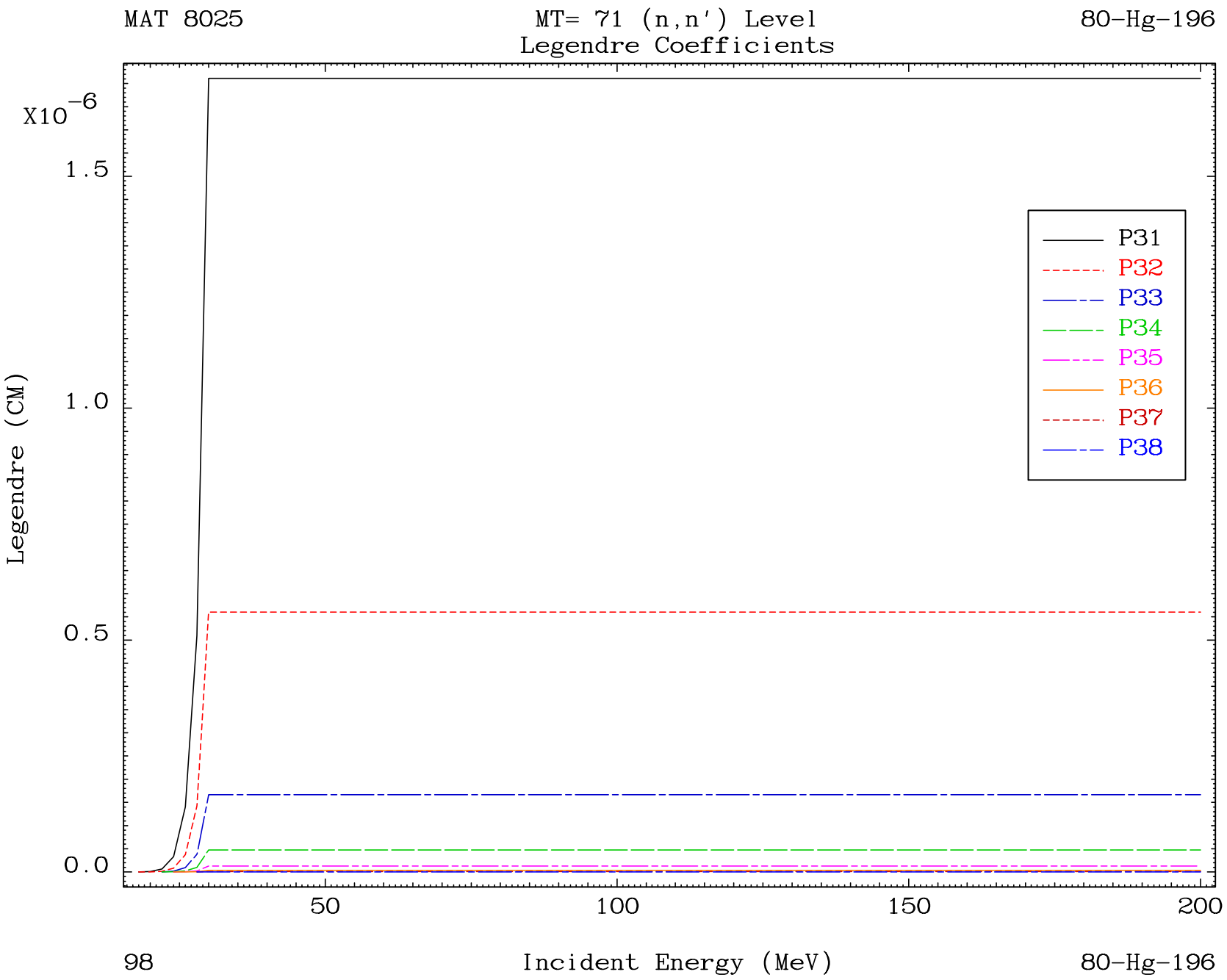

MAT 8025
MT= 70 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
93
Incident Energy (MeV)
80-Hg-196

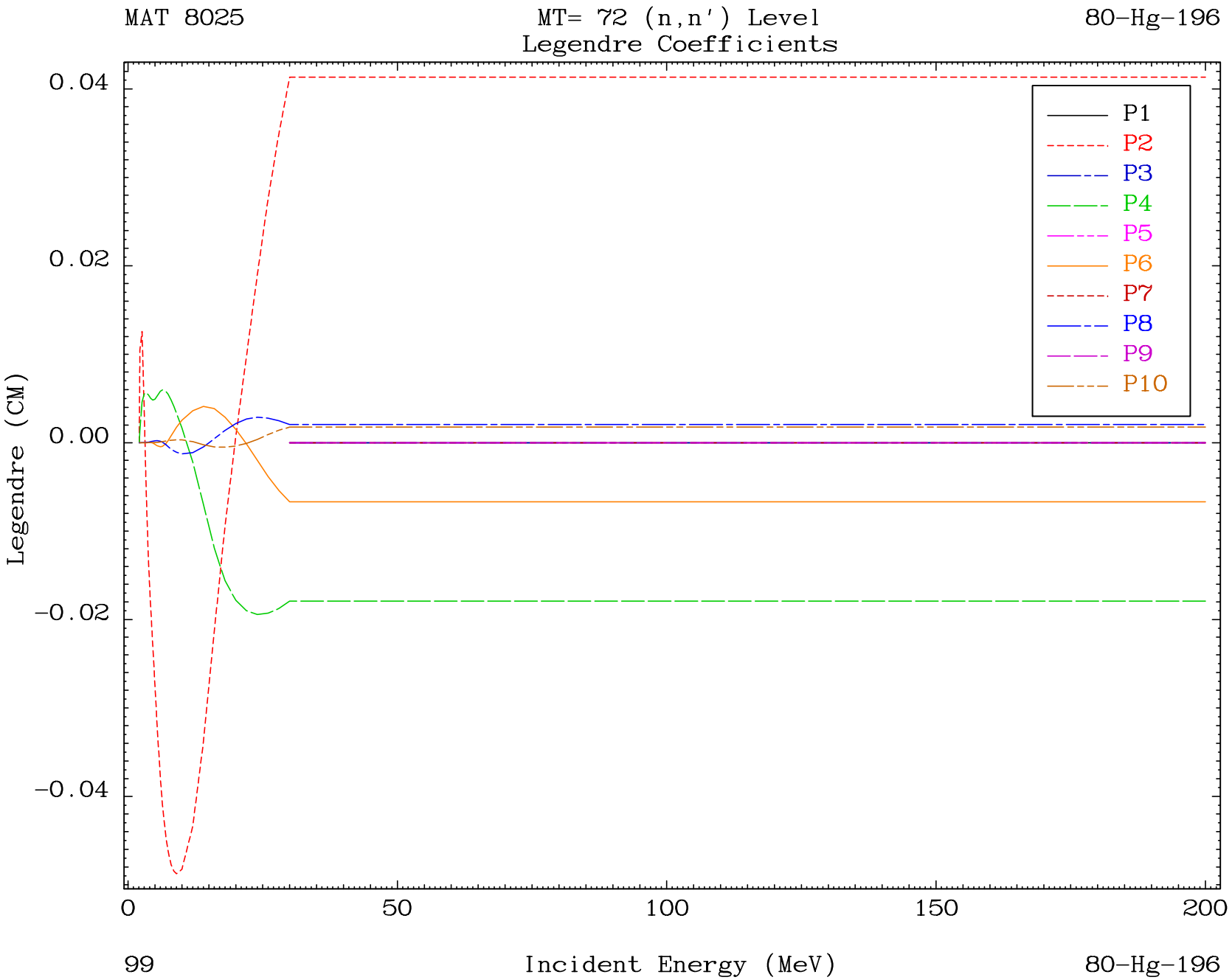

MAT 8025
MT= 70 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
94
Incident Energy (MeV)
80-Hg-196

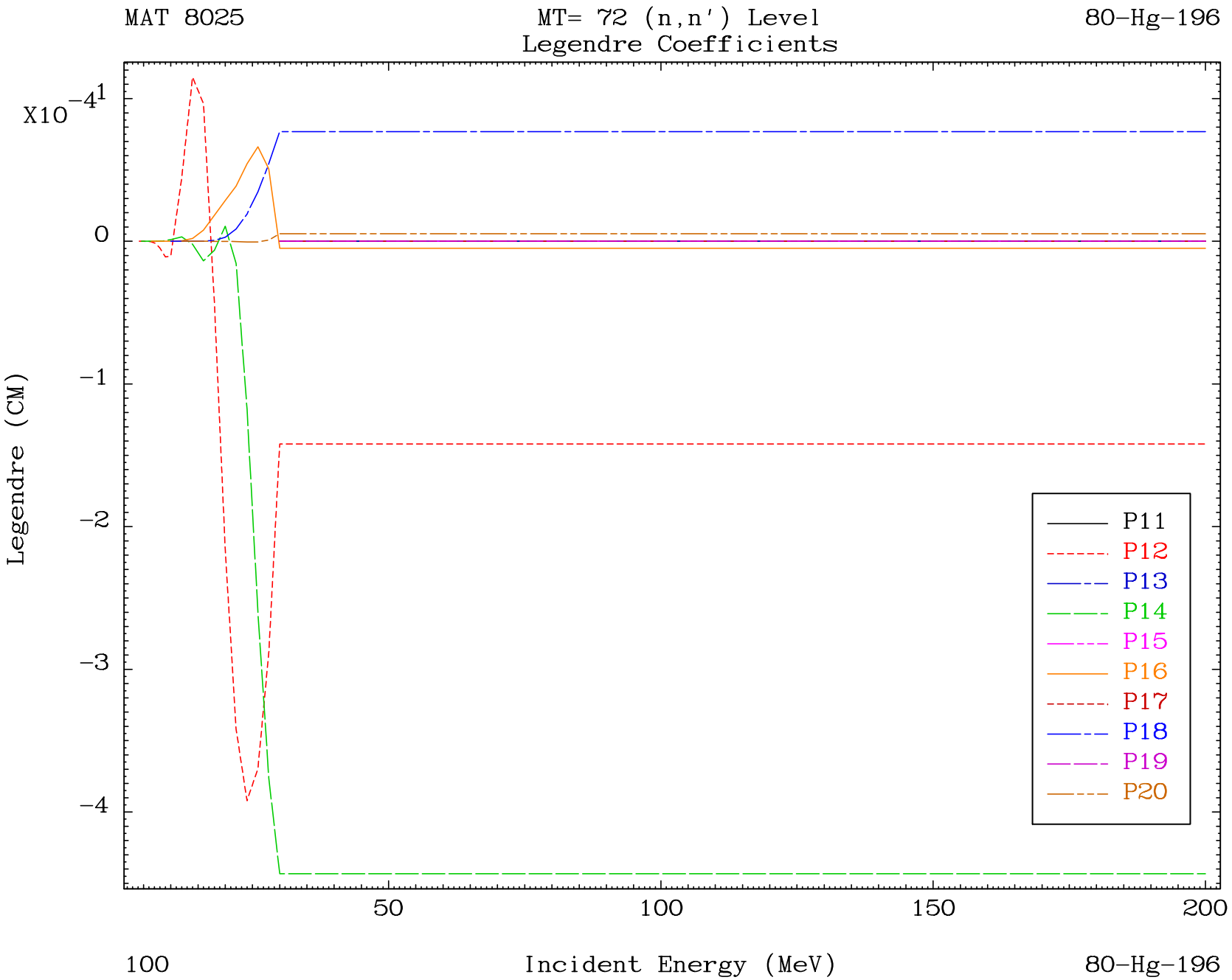

MAT 8025
MT= 71 (n,n') Level
Legendre Coefficients
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
95
Incident Energy (MeV)
80-Hg-196

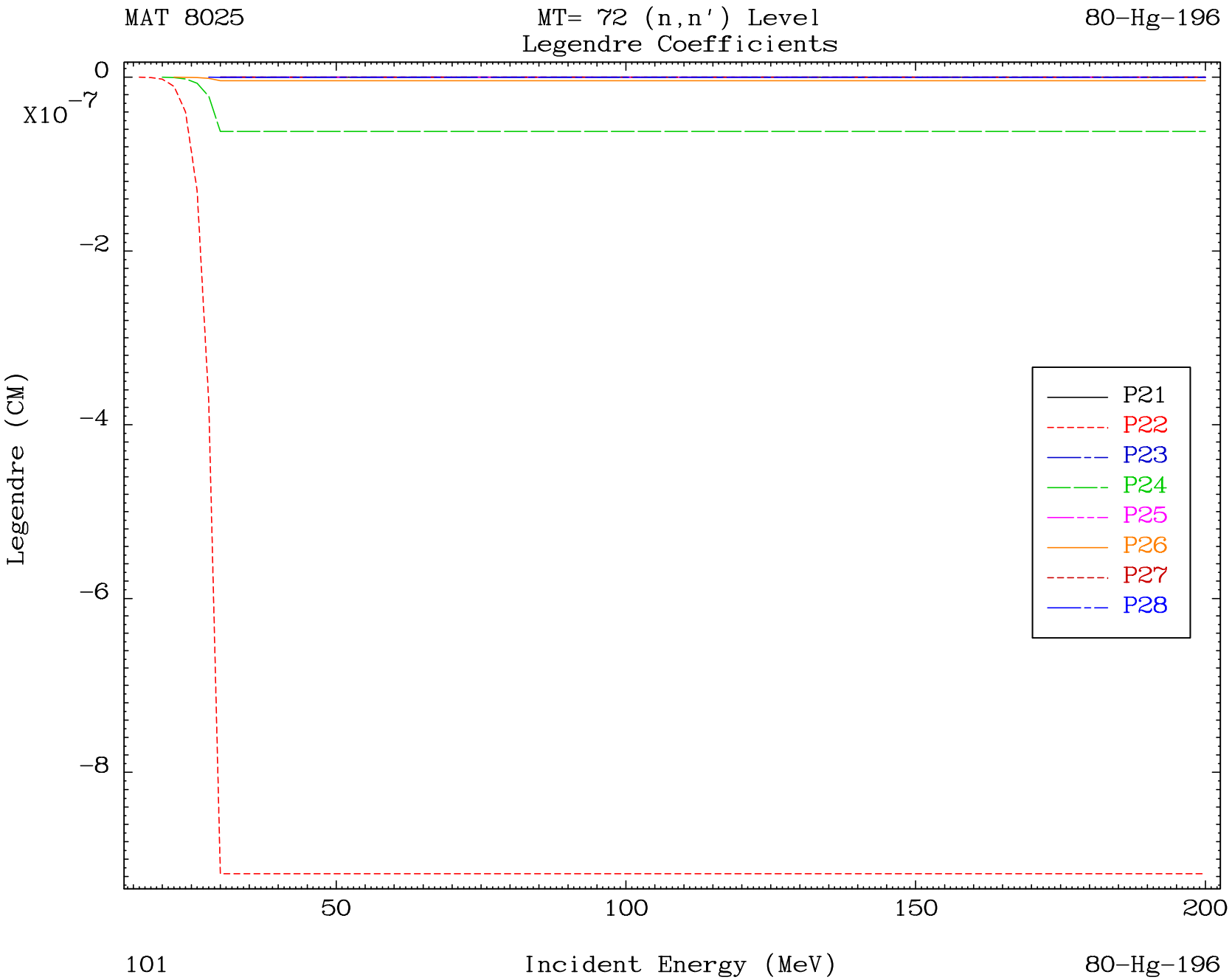

MAT 8025
MT= 71 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
96
Incident Energy (MeV)
80-Hg-196

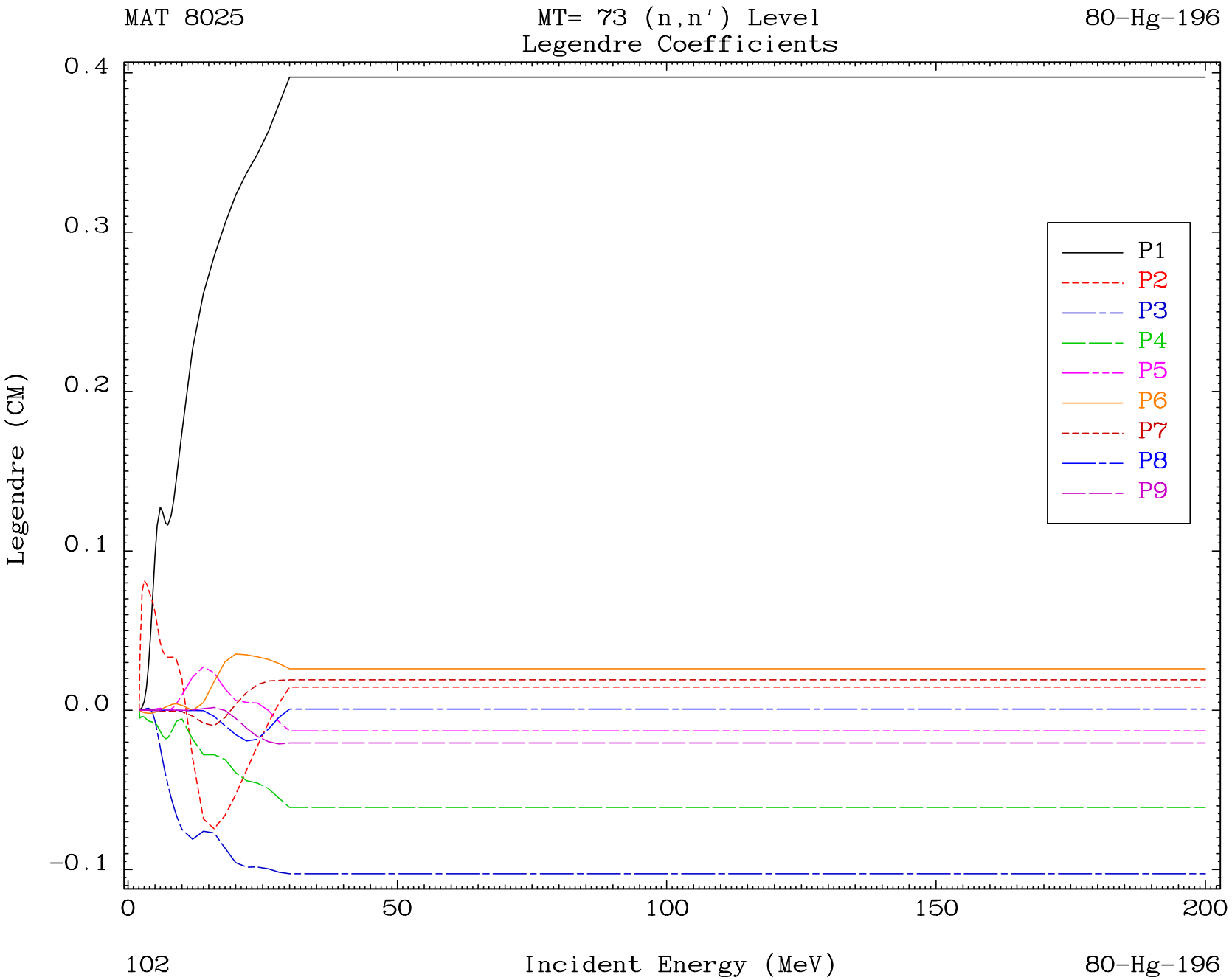

MAT 8025
MT= 71 (n,n') Level
Legendre Coefficients
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
97
Incident Energy (MeV)
80-Hg-196

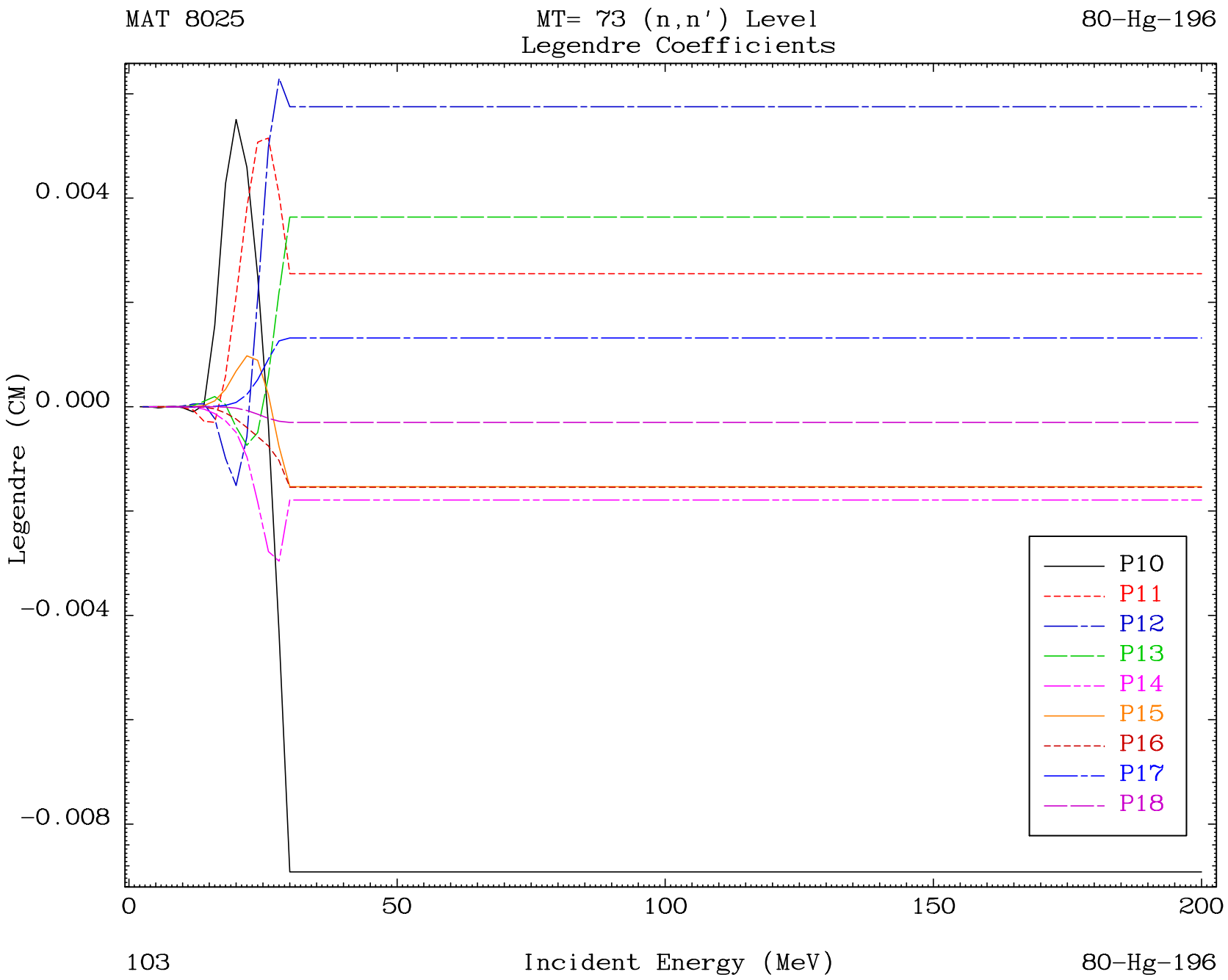

MAT 8025
MT= 71 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
98
Incident Energy (MeV)
80-Hg-196

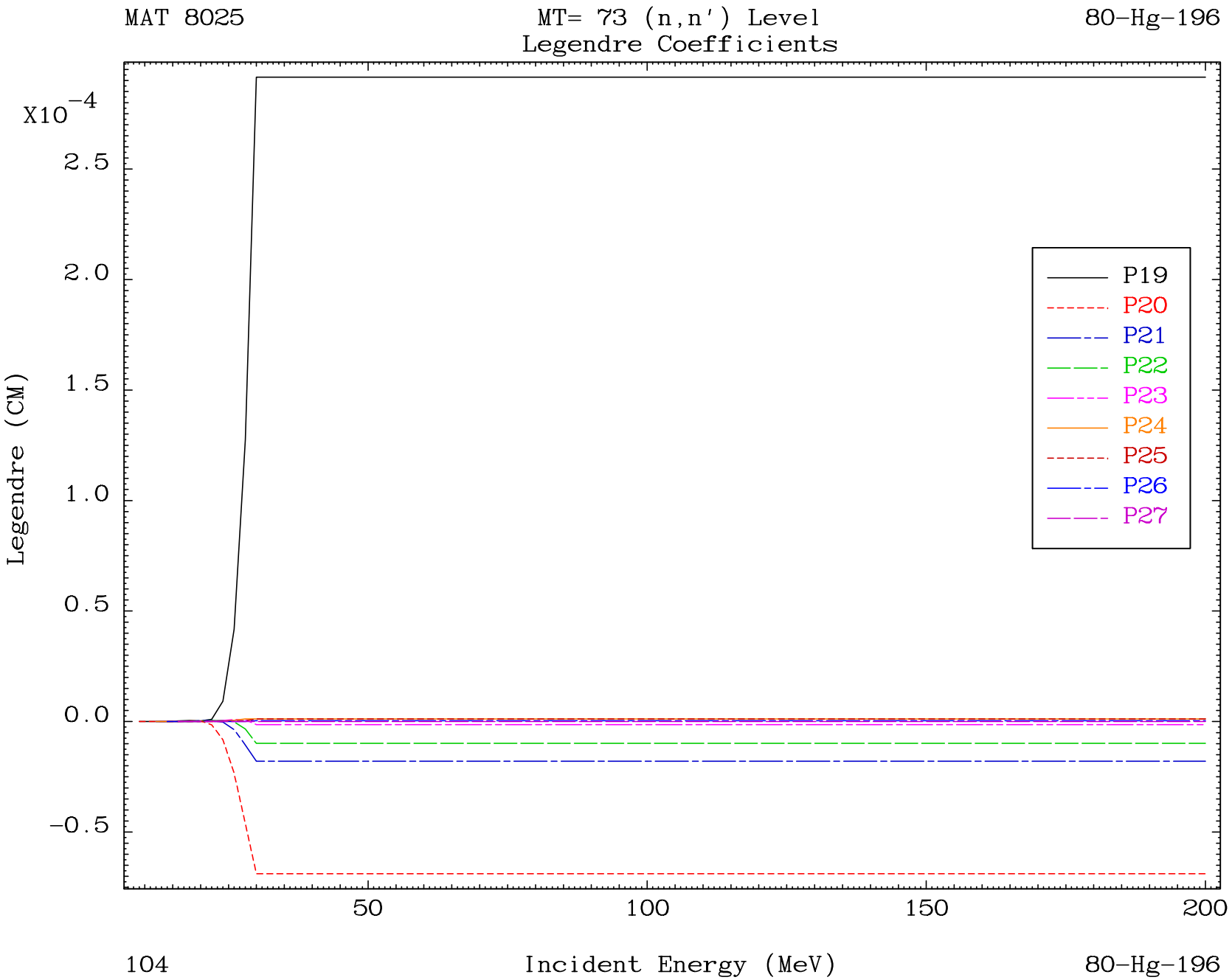

MAT 8025
MT= 72 (n,n') Level
Legendre Coefficients
80-Hg-196
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
99
Incident Energy (MeV)
80-Hg-196

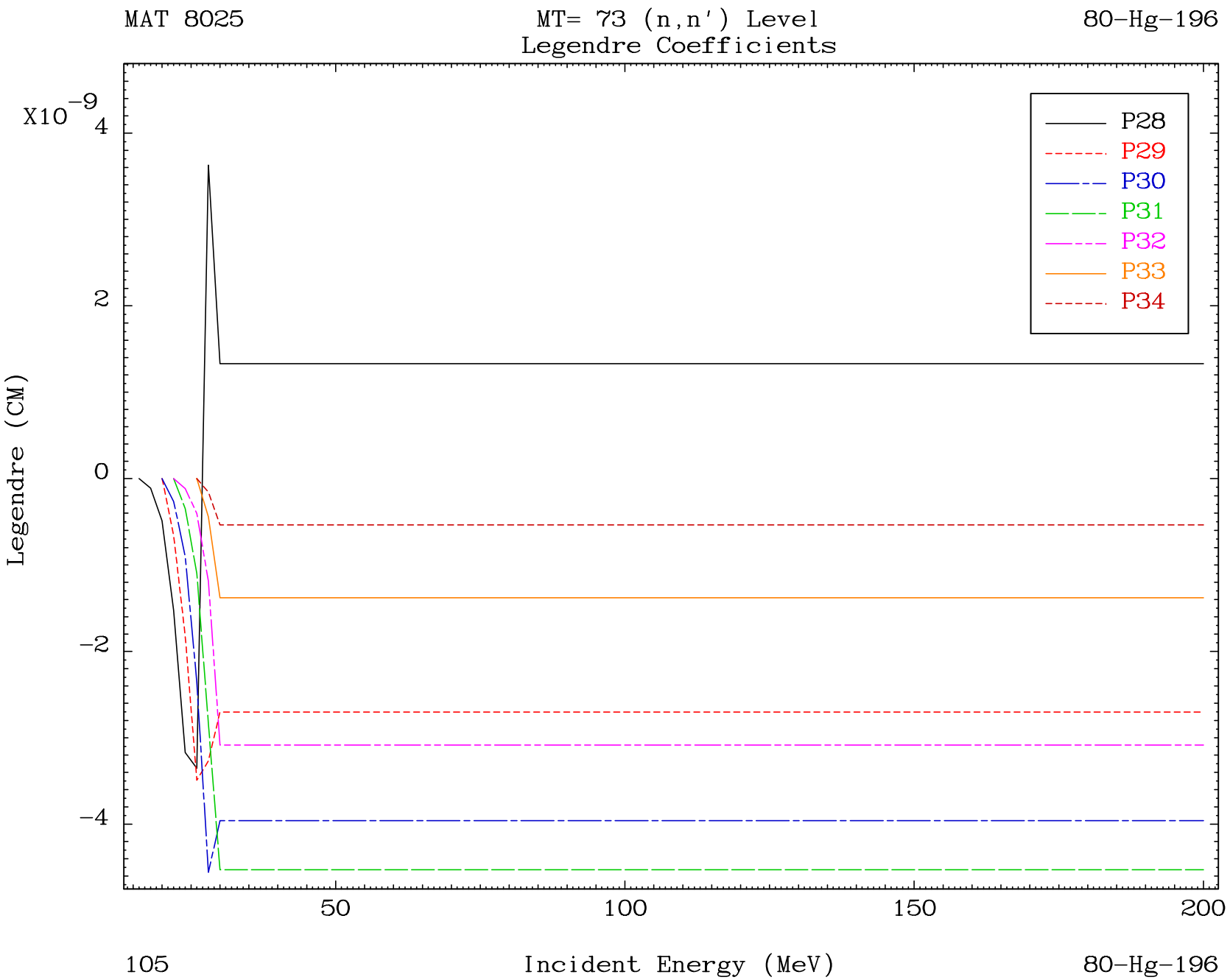

MAT 8025
MT= 72 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-41
0
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
100
Incident Energy (MeV)
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

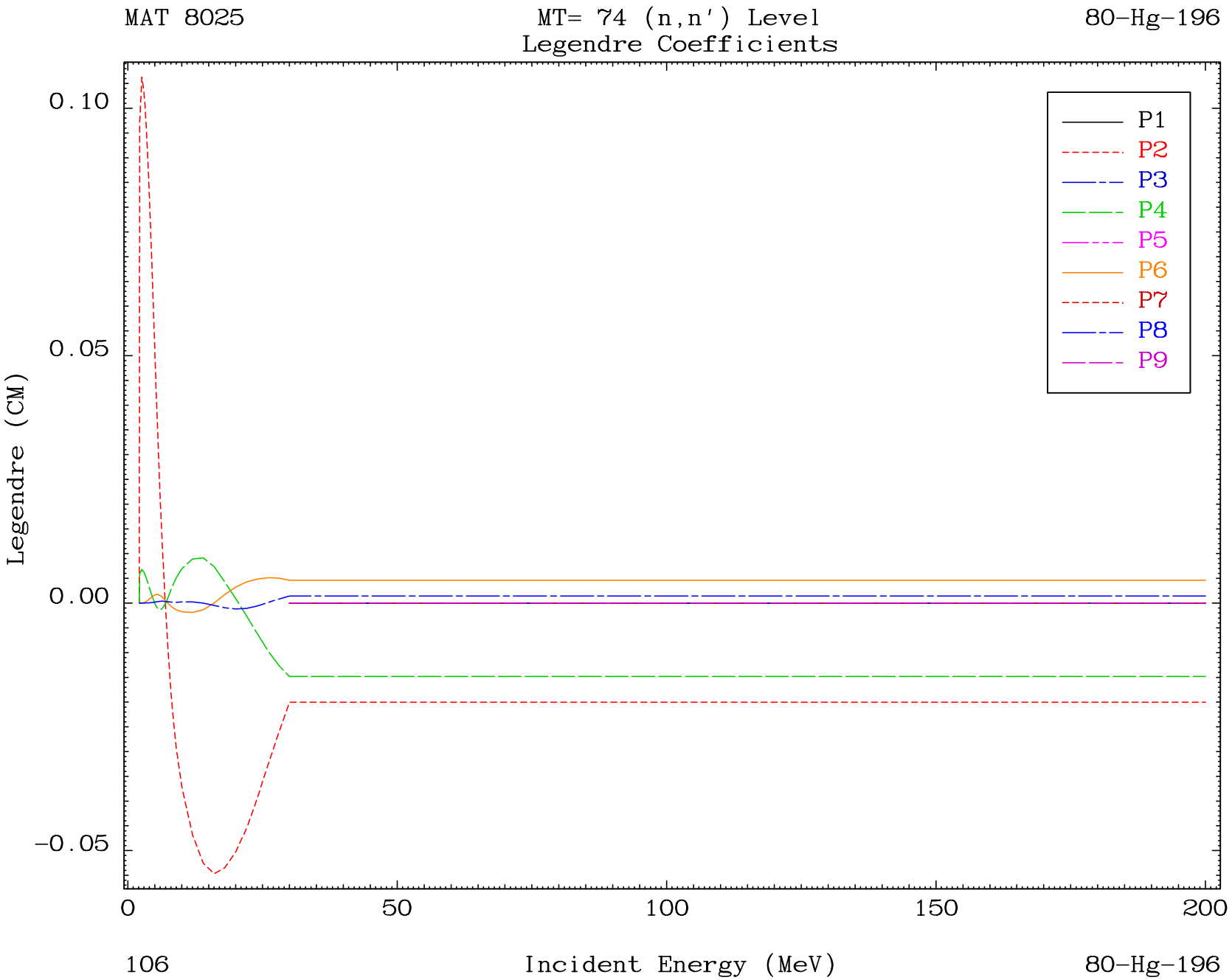

MAT 8025
MT= 72 (n,n') Level
Legendre Coefficients
80-Hg-196
0
X10-7
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
101
Incident Energy (MeV)
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28

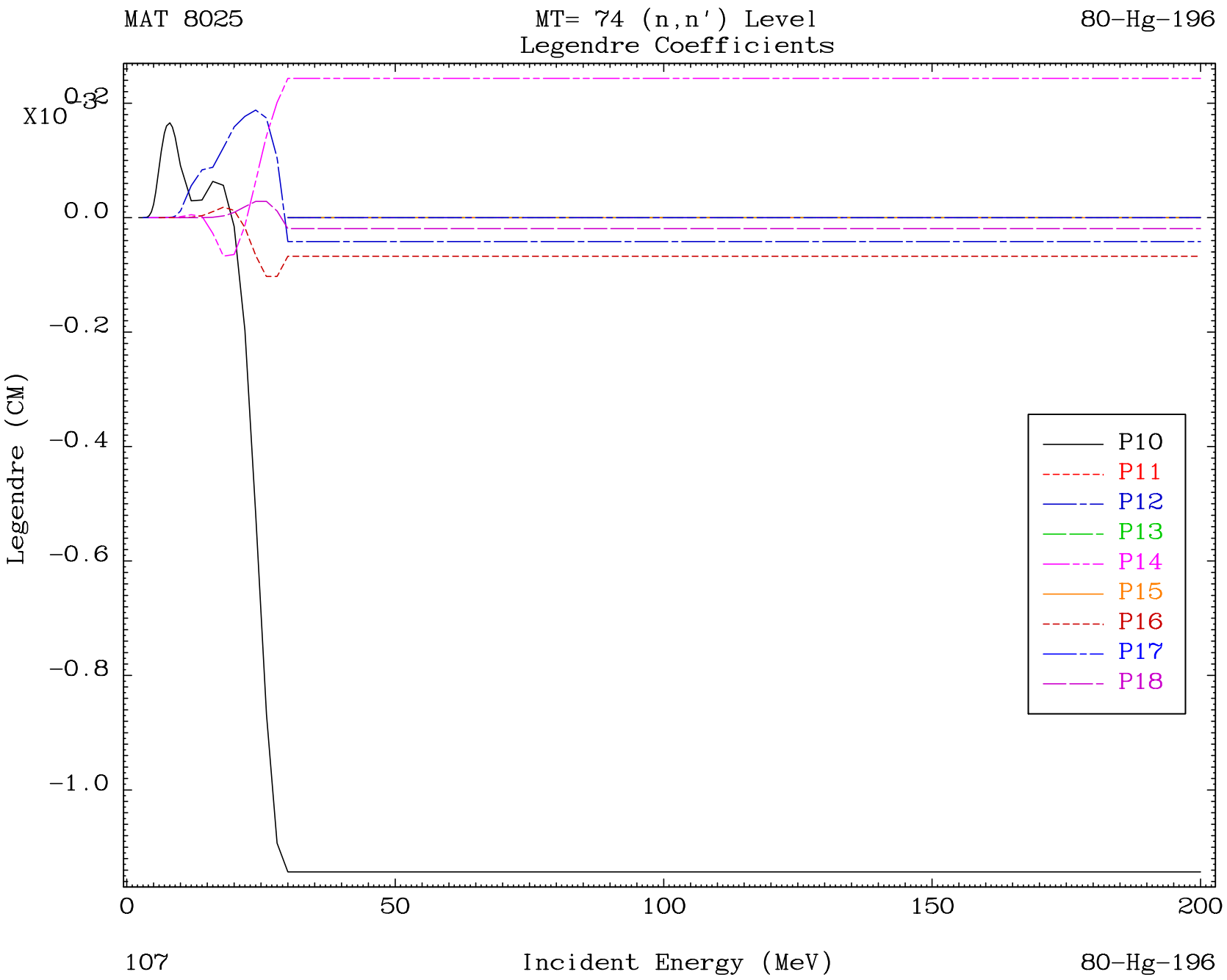

MAT 8025
MT= 73 (n,n') Level
Legendre Coefficients
80-Hg-196
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
102
Incident Energy (MeV)
80-Hg-196
P1
P2
P3
P4
P5
P6
P7
P8
P9

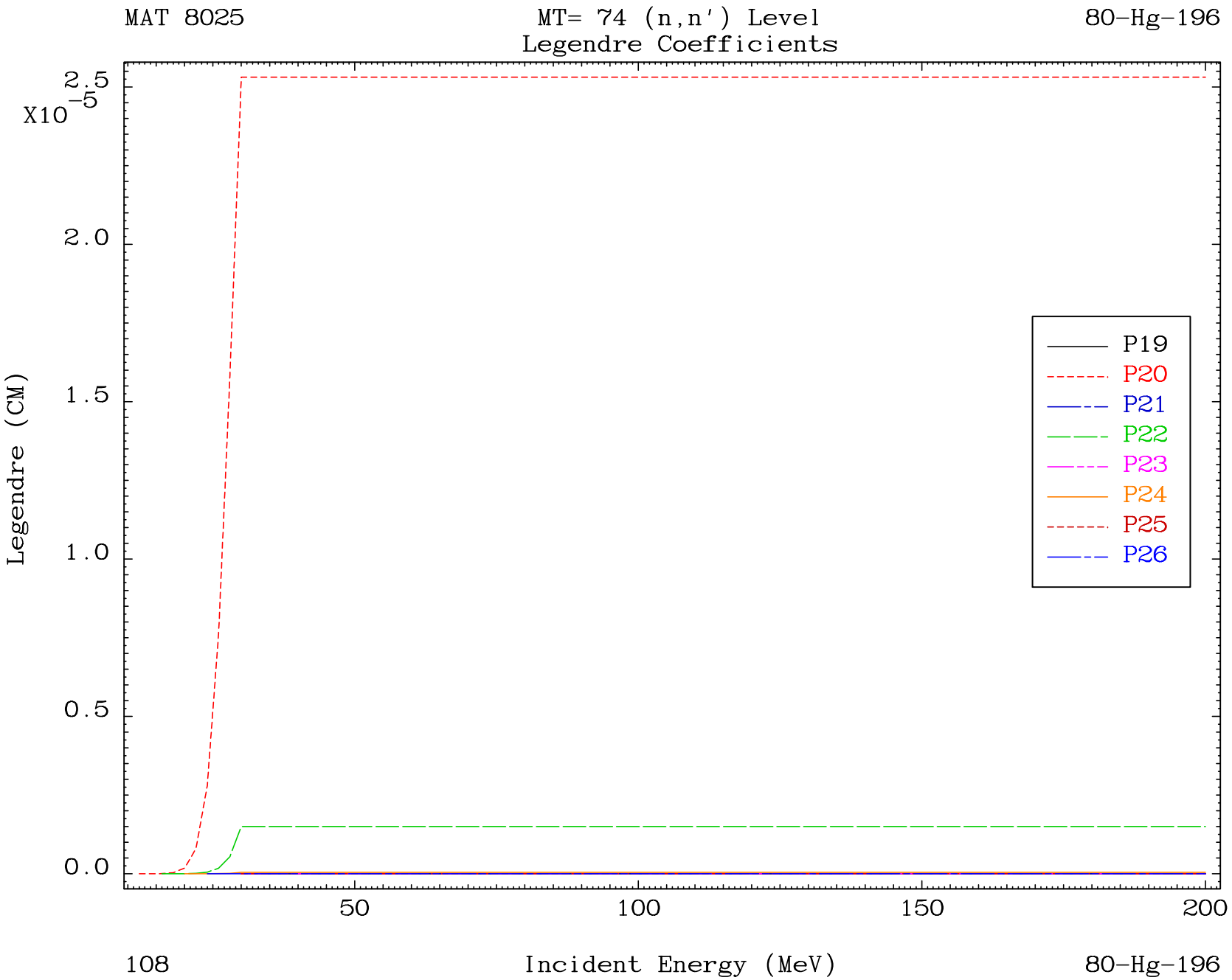

MAT 8025
MT= 73 (n,n') Level
Legendre Coefficients
80-Hg-196
0.004
0.000
-0.004
-0.008
Legendre (CM)
0
50
100
150
200
103
Incident Energy (MeV)
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18

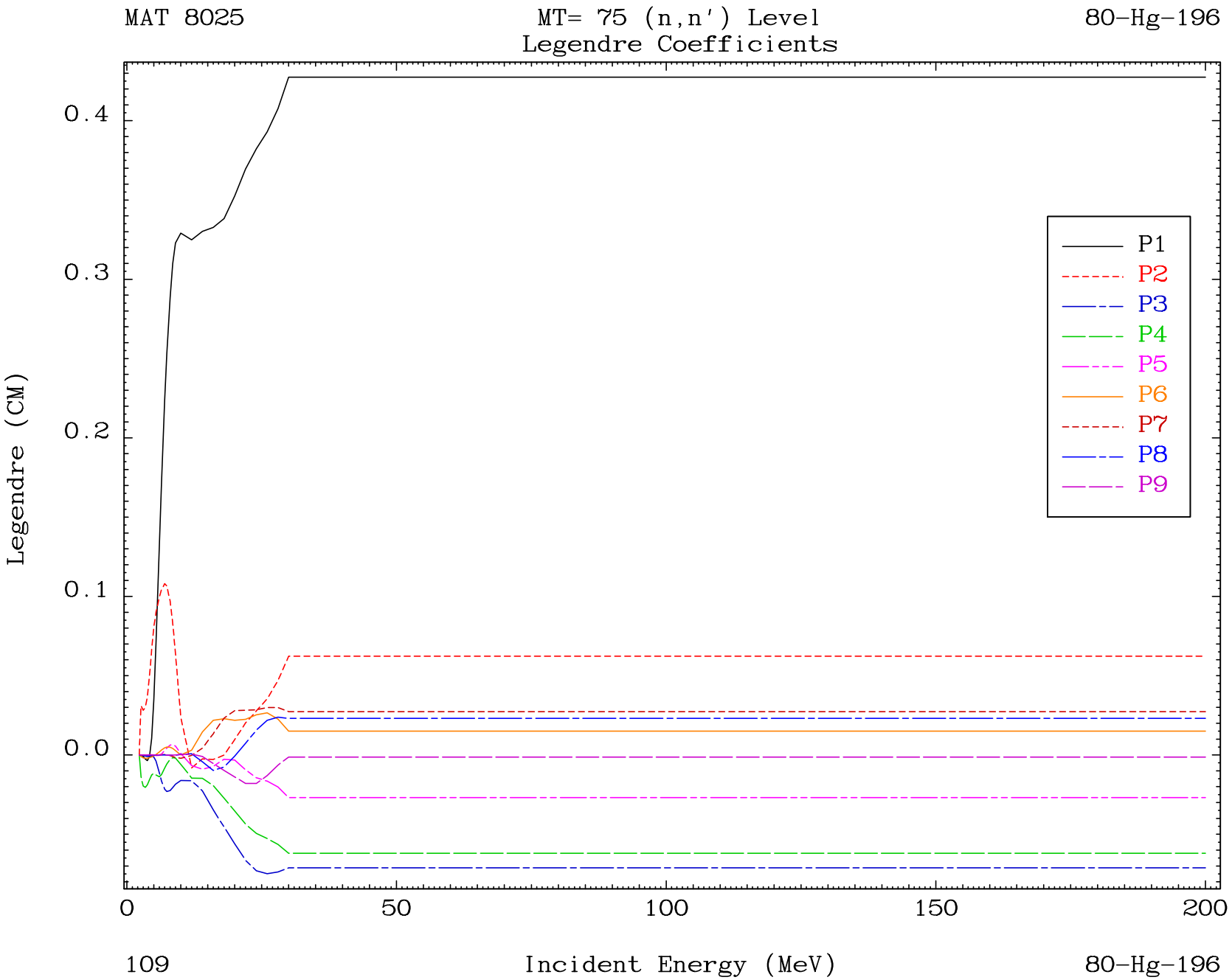

MAT 8025
MT= 73 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
104
Incident Energy (MeV)
80-Hg-196

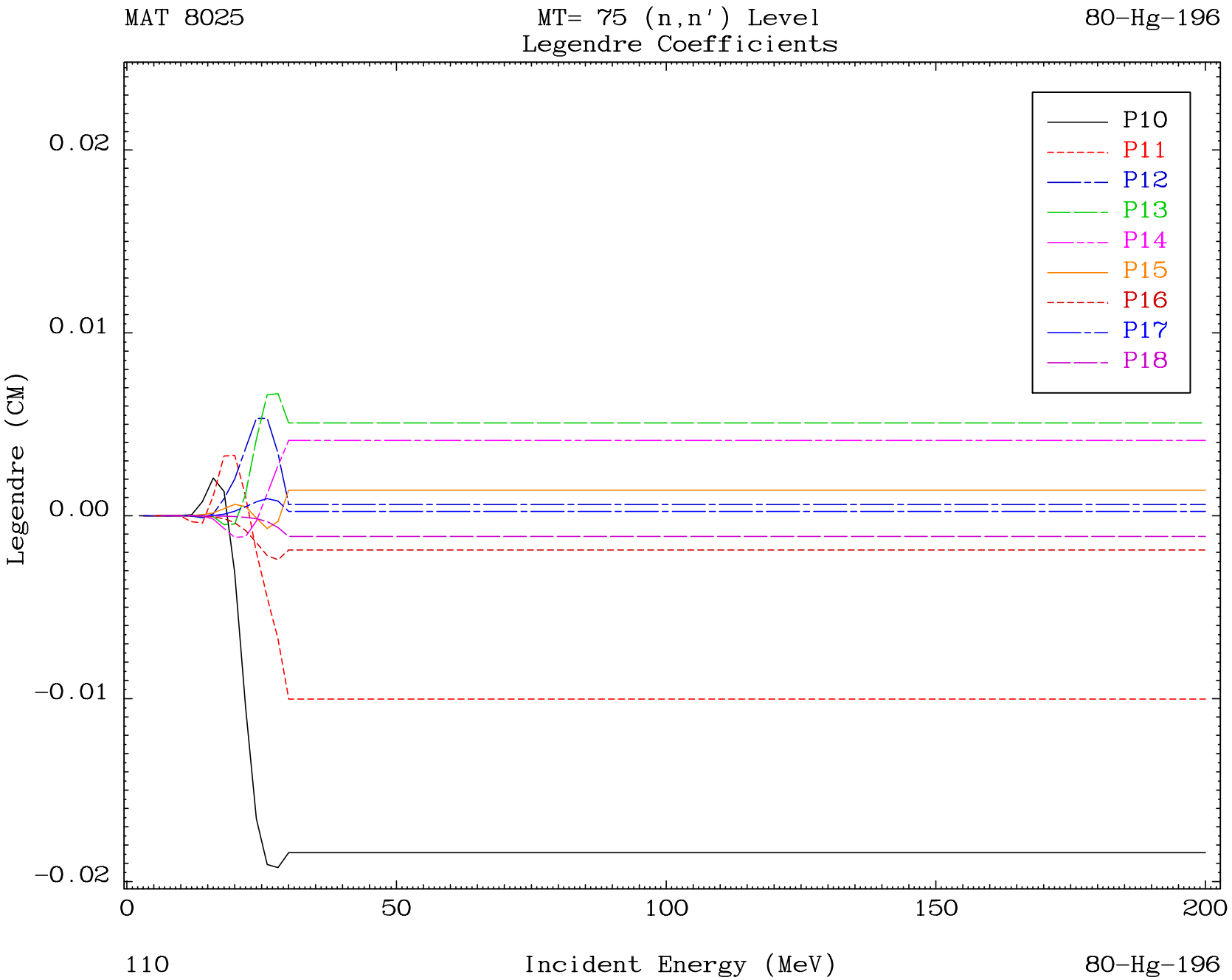

MAT 8025
MT= 73 (n,n') Level
Legendre Coefficients
80-Hg-196
X10 -9
4
2
0
-2
-4
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
105
Incident Energy (MeV)
80-Hg-196

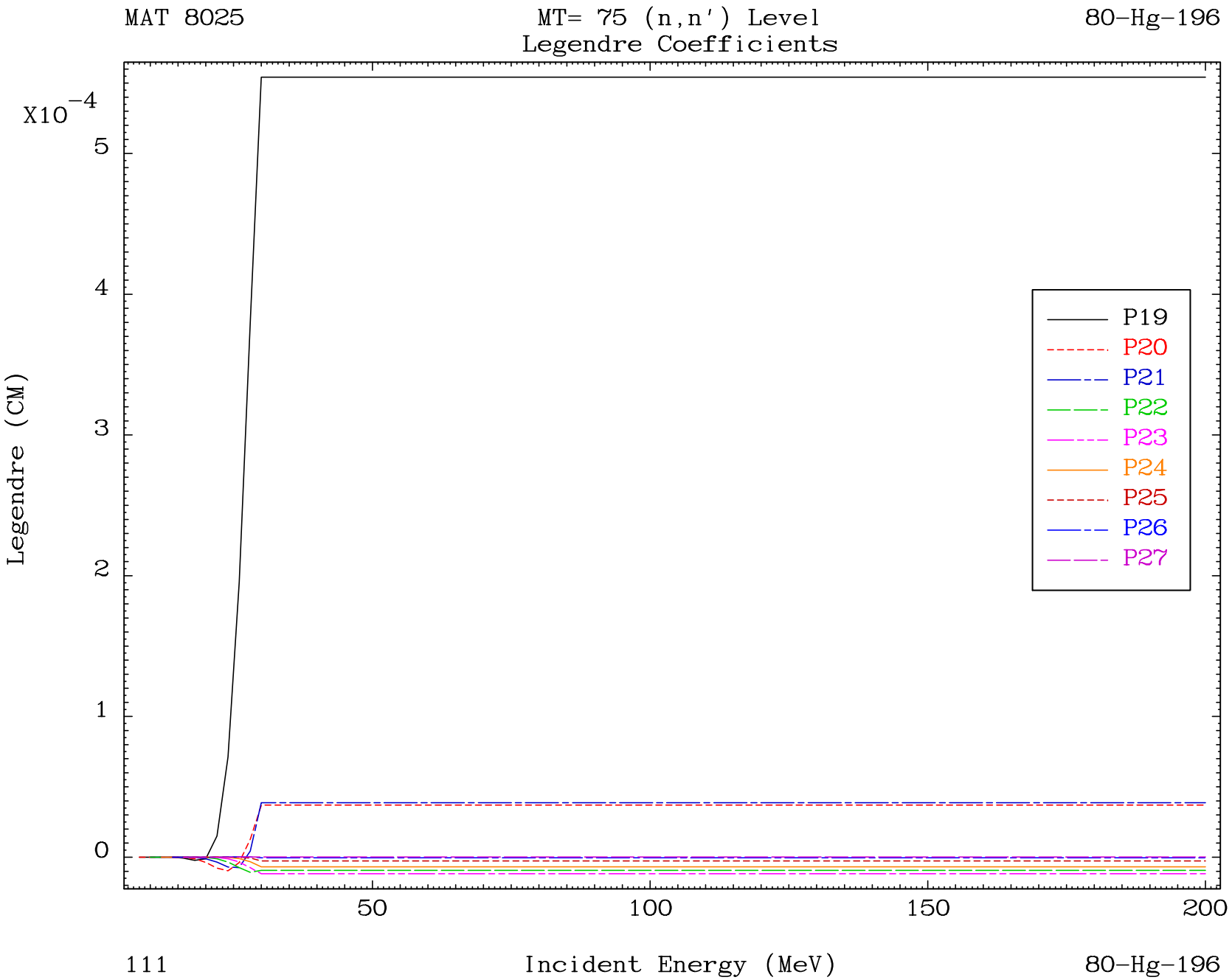

MAT 8025
MT= 74 (n,n') Level
Legendre Coefficients
80-Hg-196
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
106
Incident Energy (MeV)
80-Hg-196

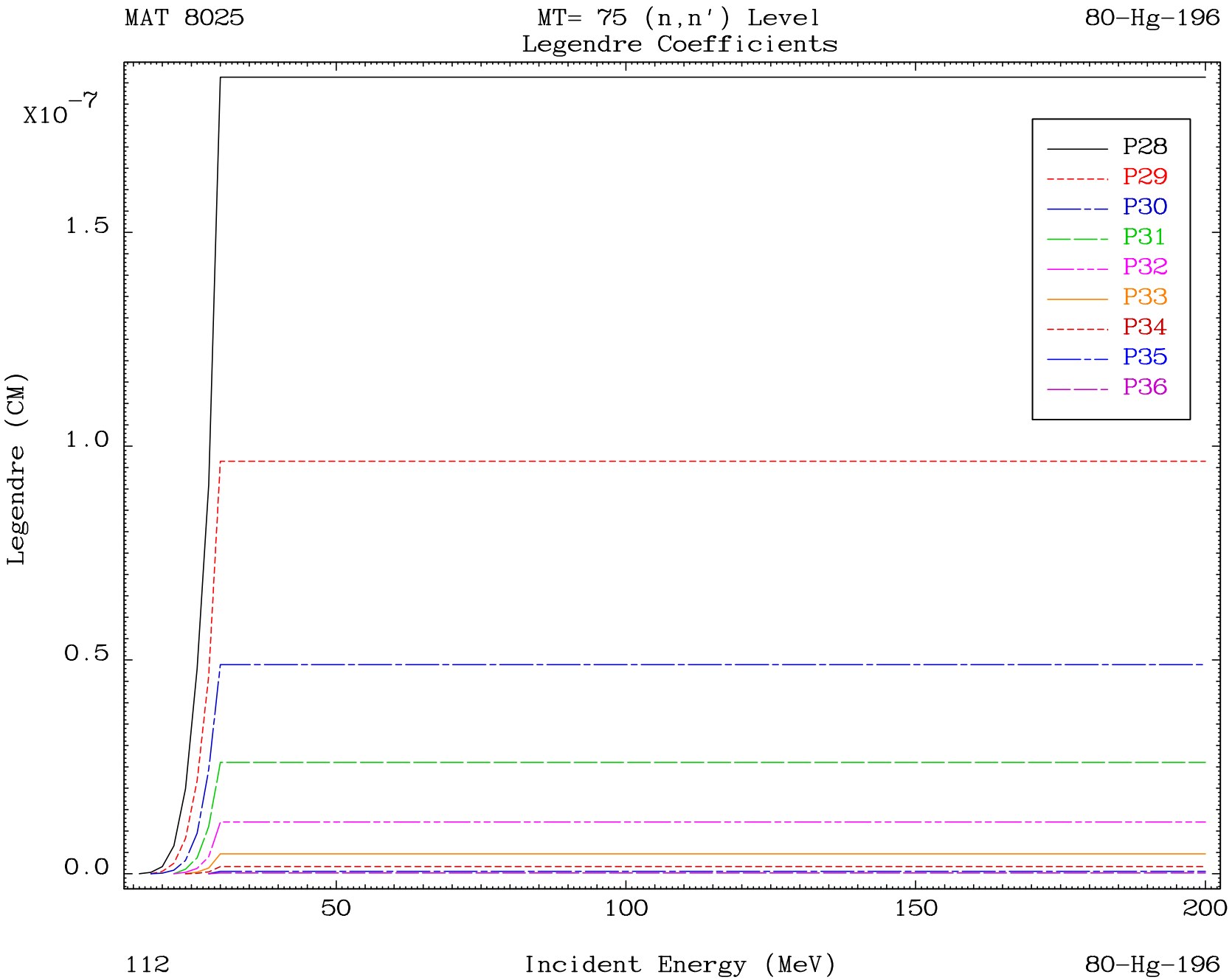

MAT 8025
MT= 74 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-2
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
Legendre (CM)
0
50
100
150
200
107
Incident Energy (MeV)
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18

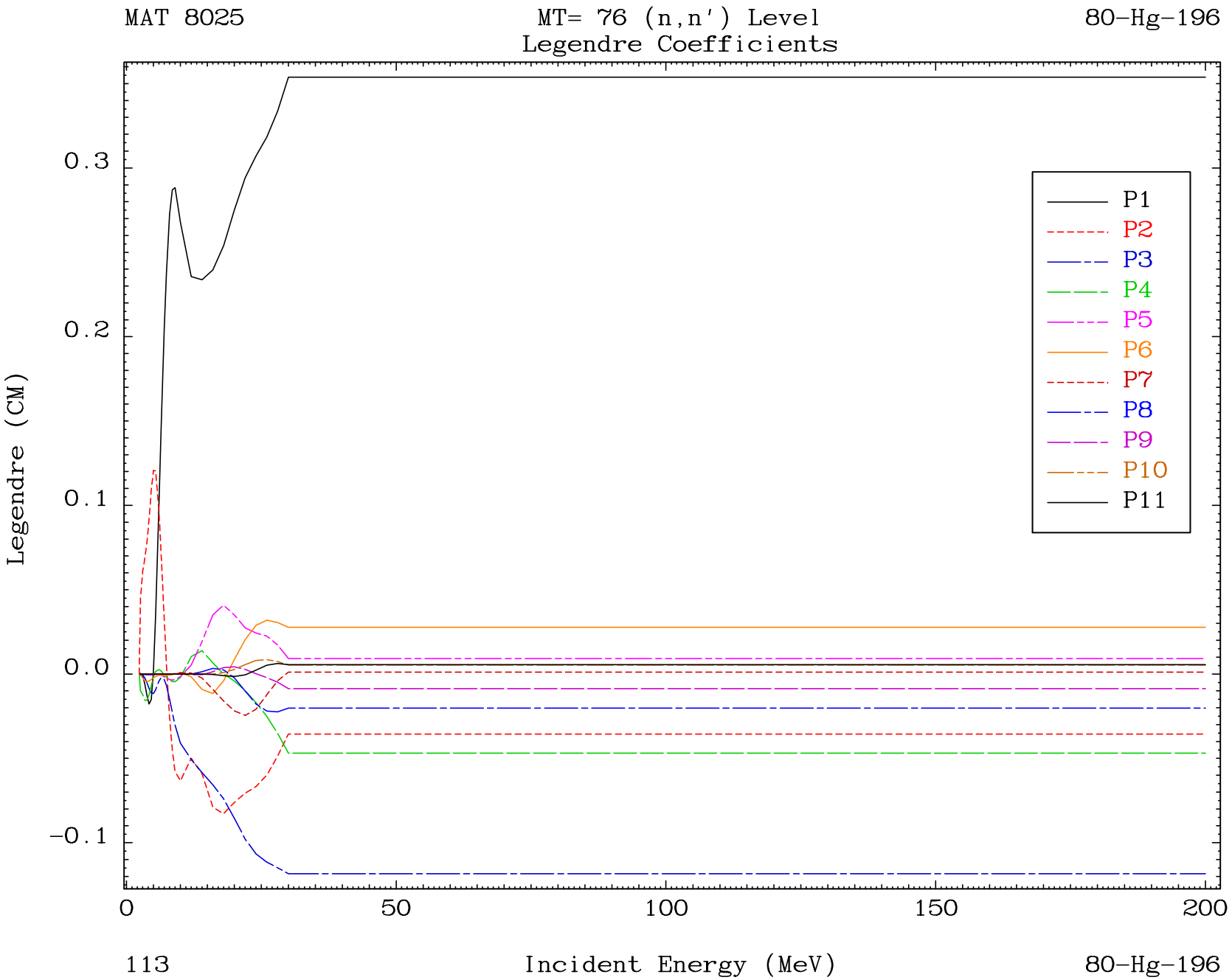

MAT 8025
MT= 74 (n,n') Level
Legendre Coefficients
80-Hg-196
X10 -5
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
108
Incident Energy (MeV)
80-Hg-196
P19
P20
P21
P22
P23
P24
P25
P26

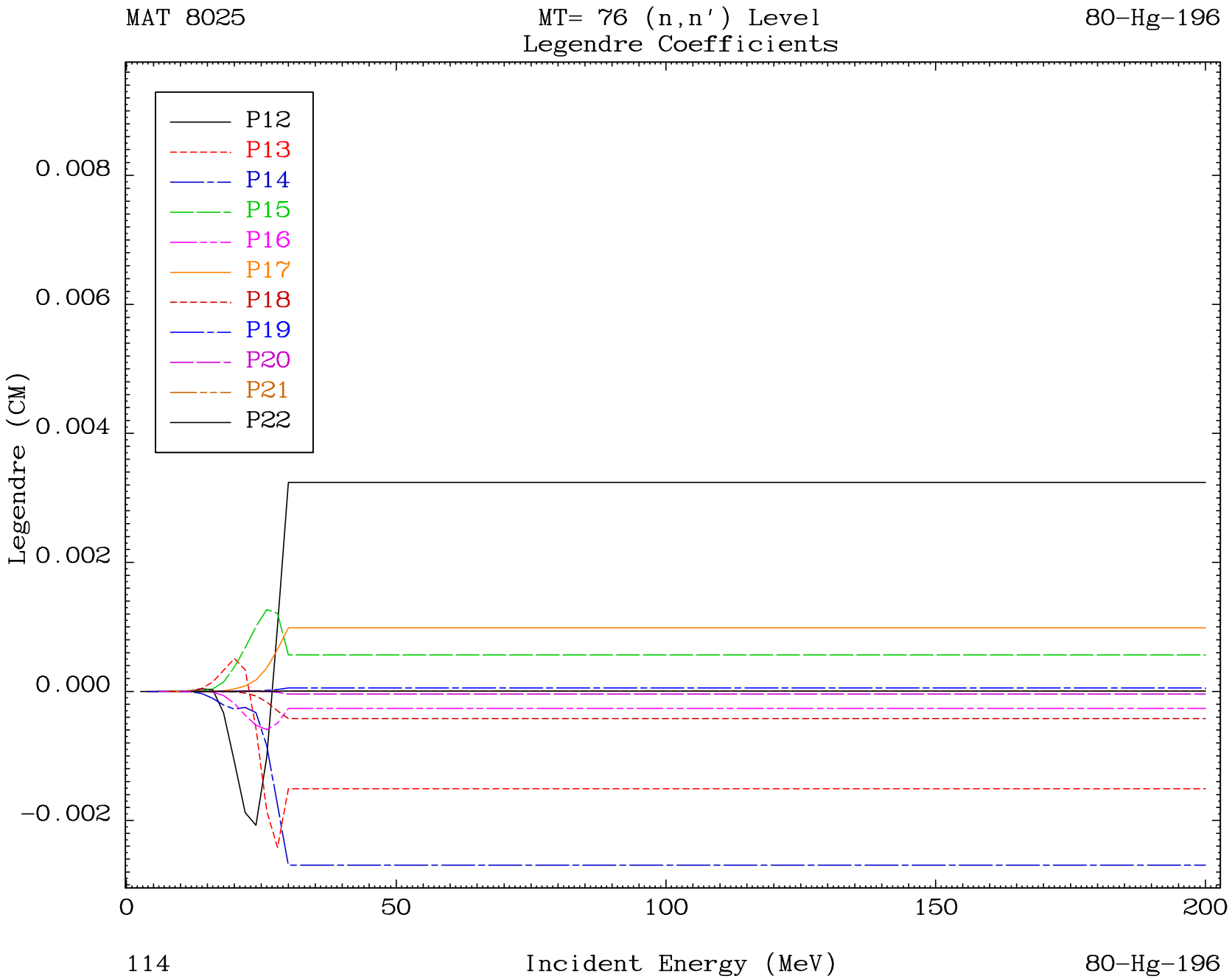

MAT 8025
MT= 75 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
109
Incident Energy (MeV)
80-Hg-196

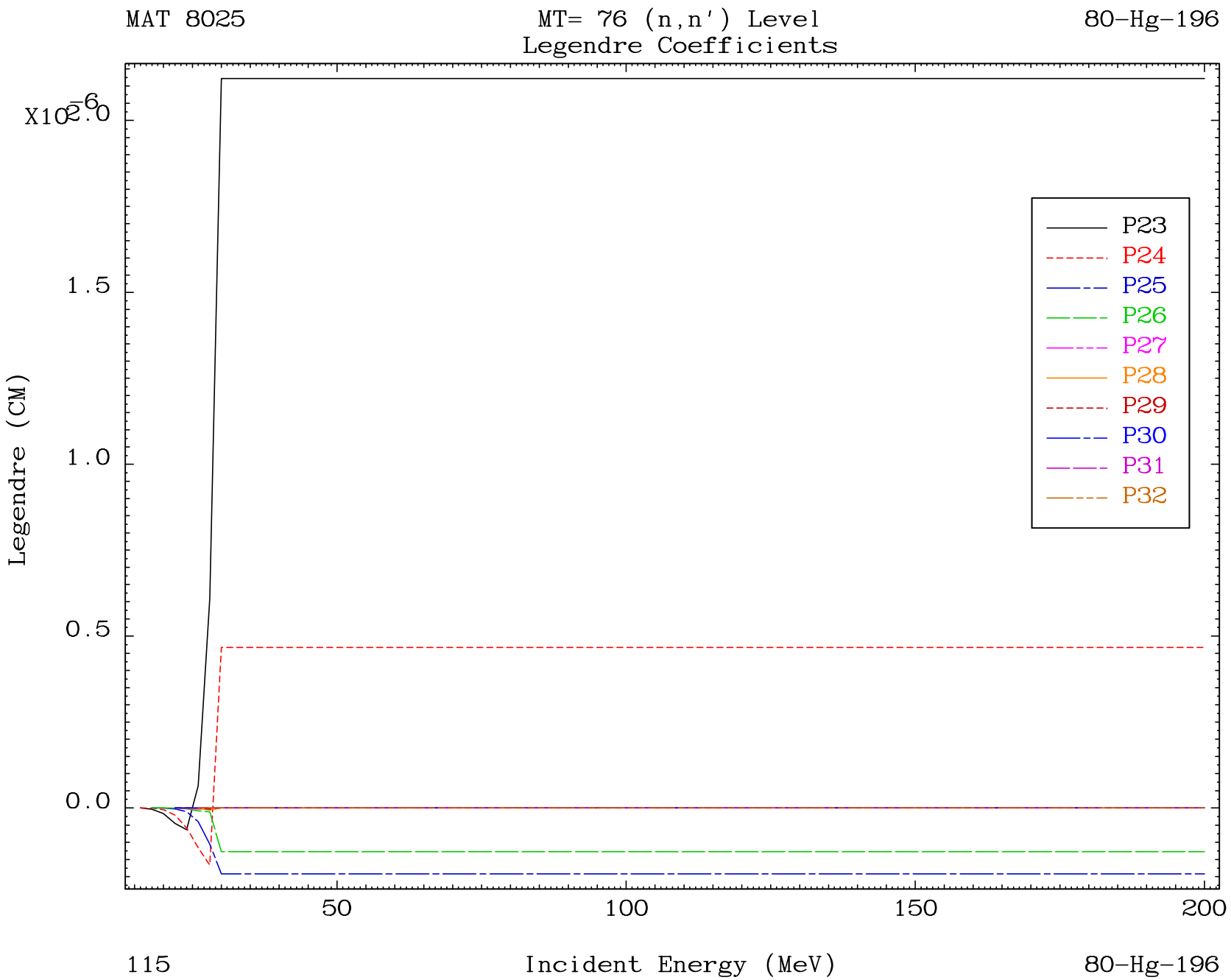

MAT 8025
MT= 75 (n,n') Level
Legendre Coefficients
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
110
Incident Energy (MeV)
80-Hg-196

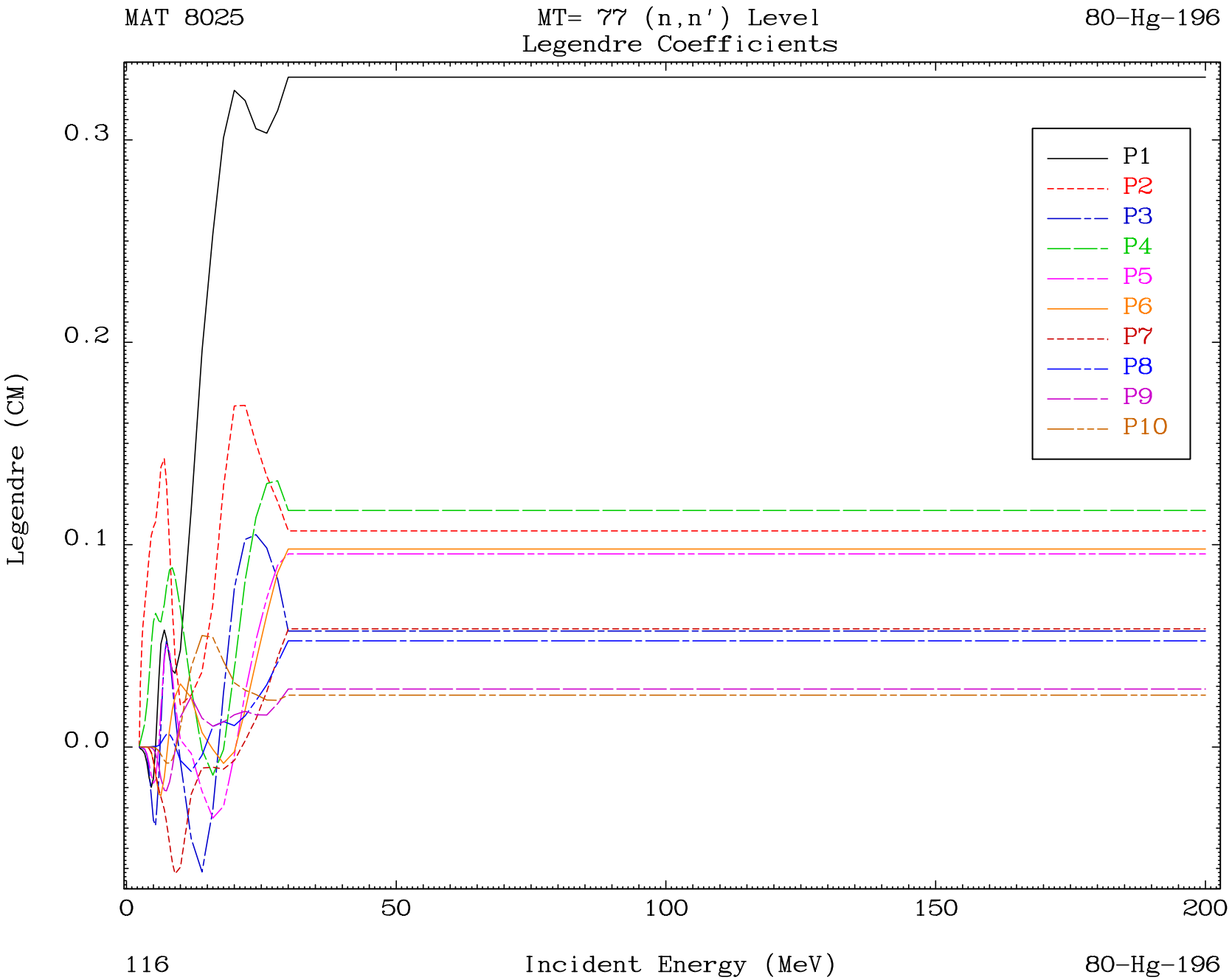

MAT 8025
MT= 75 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-4
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
111
Incident Energy (MeV)
80-Hg-196
P19
P20
P21
P22
P23
P24
P25
P26
P27

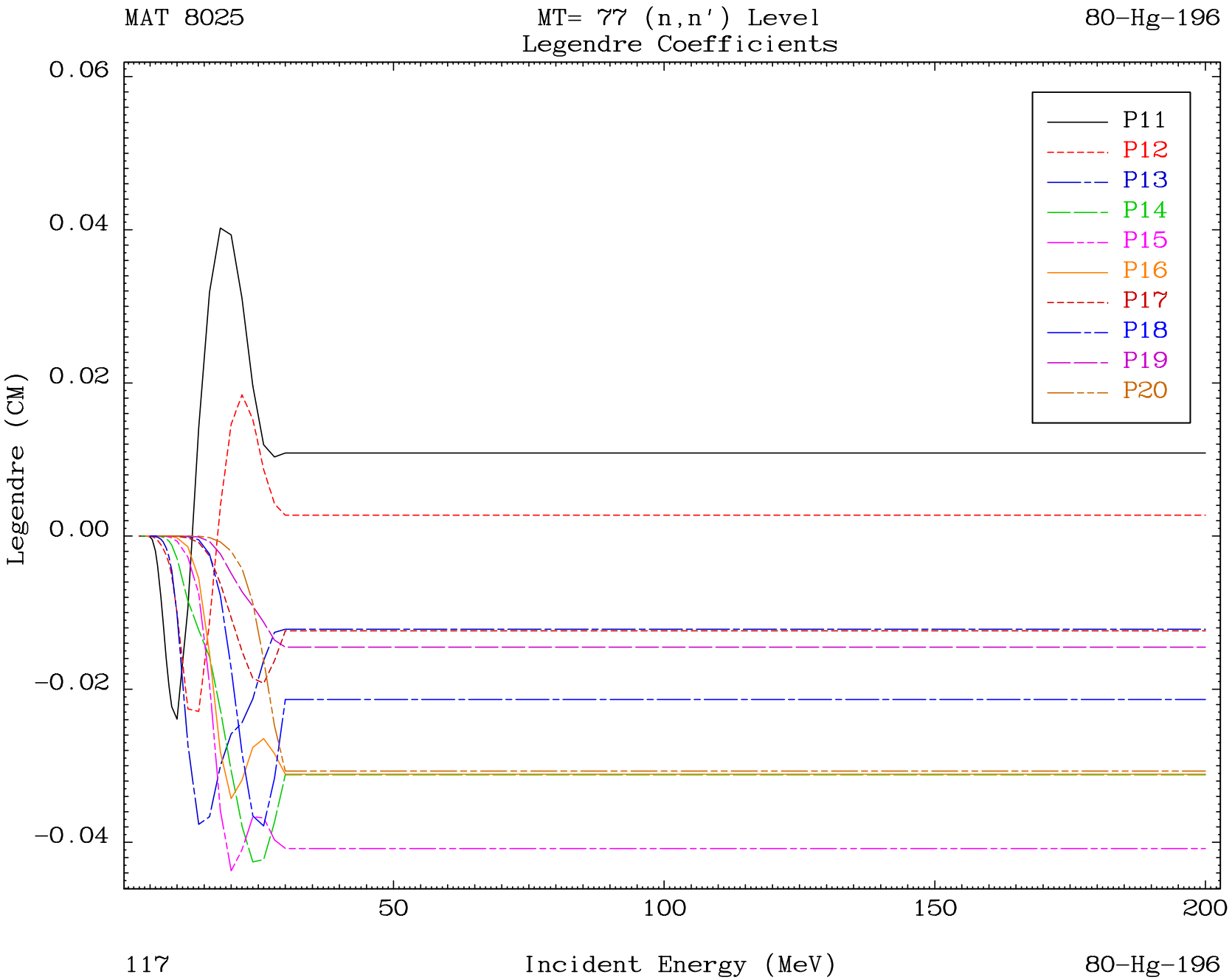

MAT 8025
MT= 75 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
112
Incident Energy (MeV)
80-Hg-196

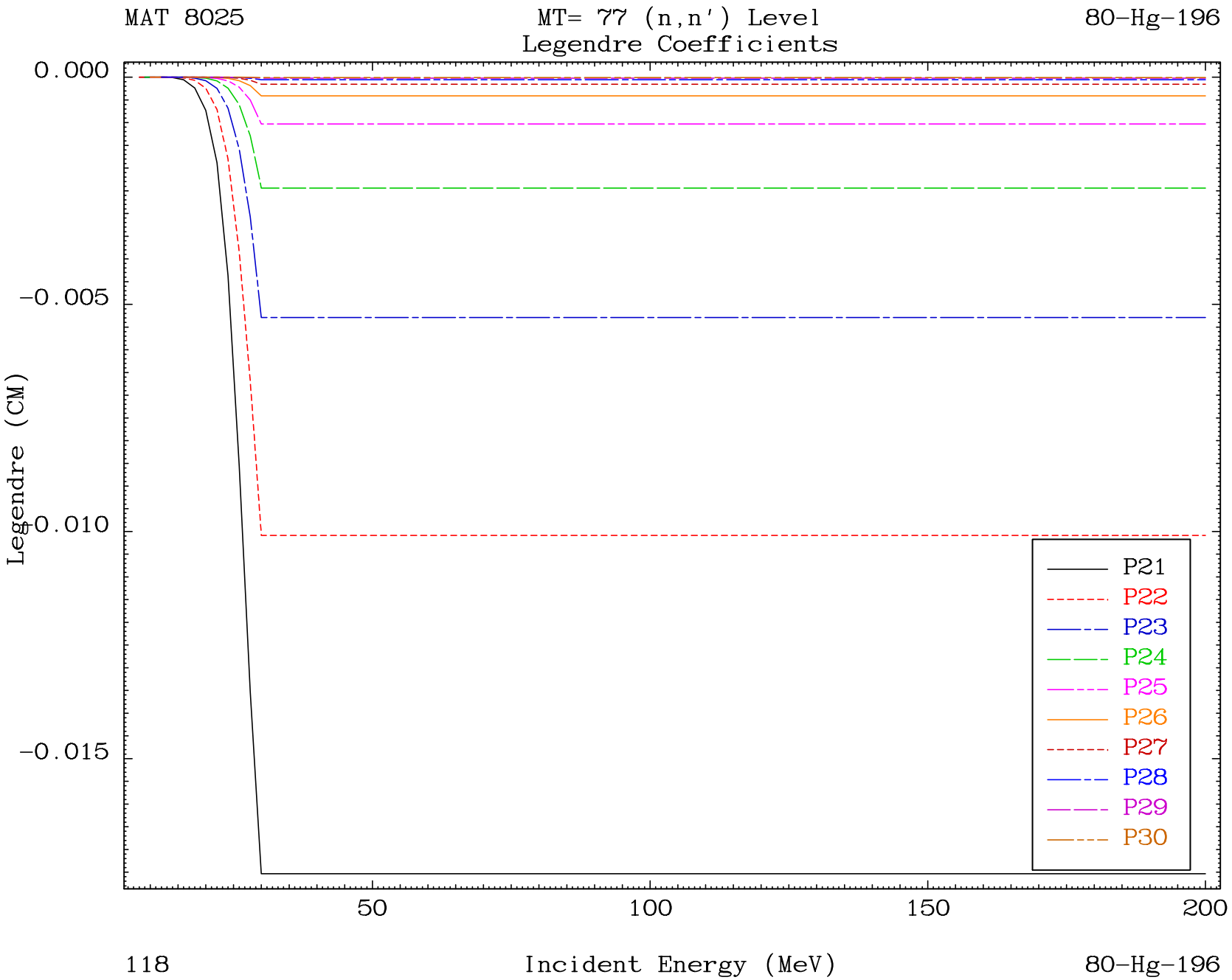

MAT 8025
MT= 76 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
113
Incident Energy (MeV)
80-Hg-196

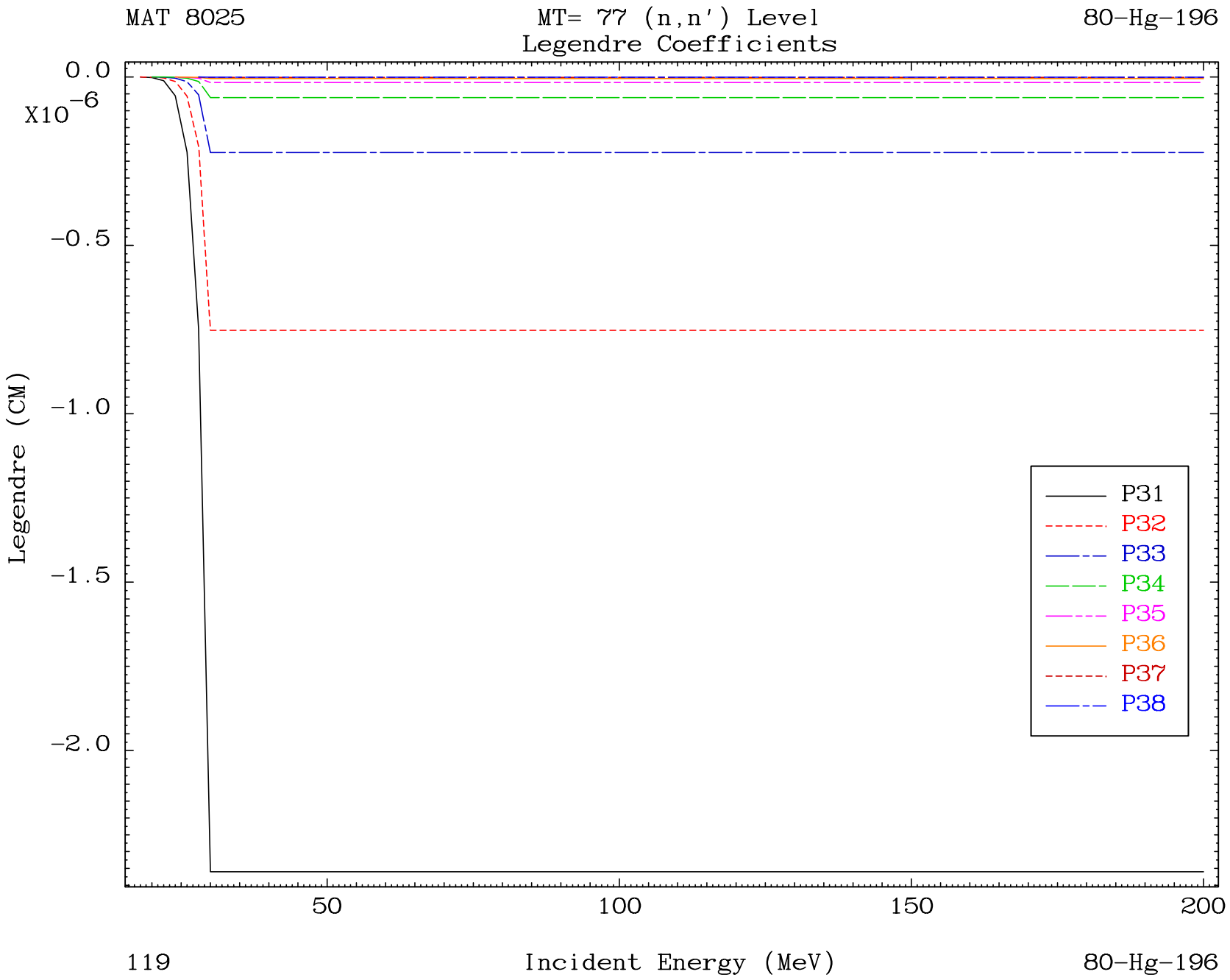

MAT 8025
MT= 76 (n,n') Level
Legendre Coefficients
80-Hg-196
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
0
50
100
150
200
114
Incident Energy (MeV)
80-Hg-196

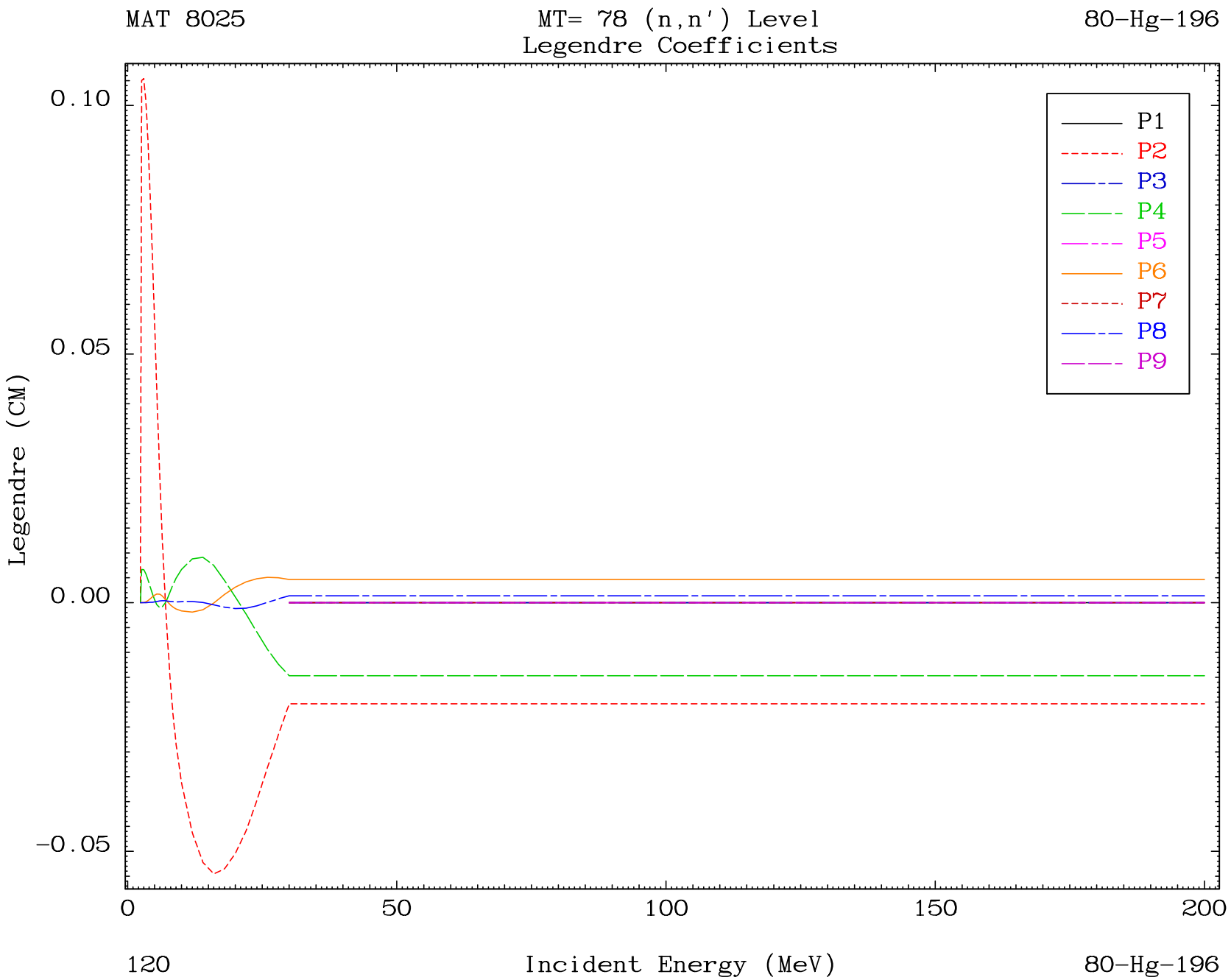

MAT 8025
MT= 76 (n,n') Level
Legendre Coefficients
80-Hg-196
X10-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
115
Incident Energy (MeV)
80-Hg-196

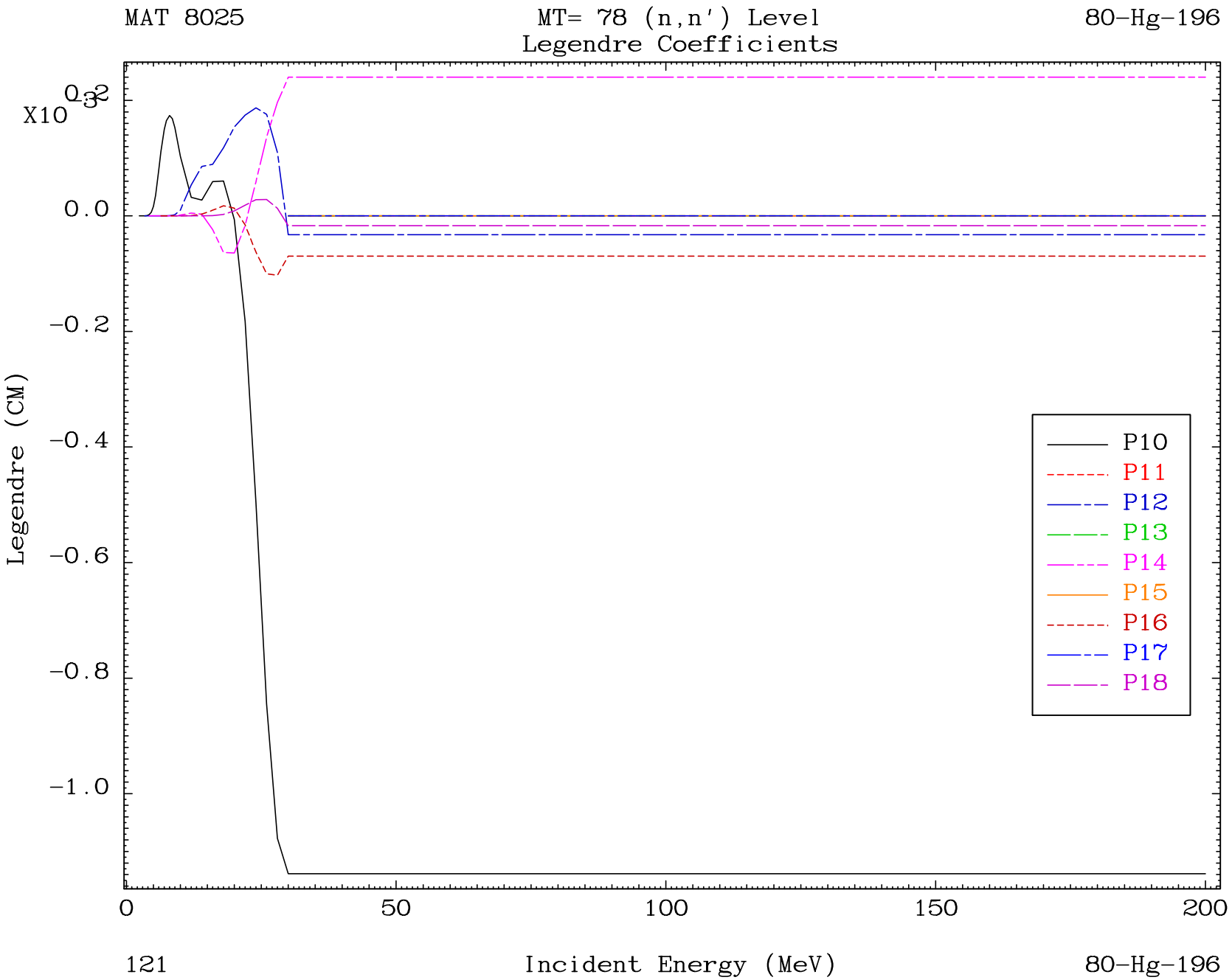

MAT 8025
MT= 77 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
116
Incident Energy (MeV)
80-Hg-196

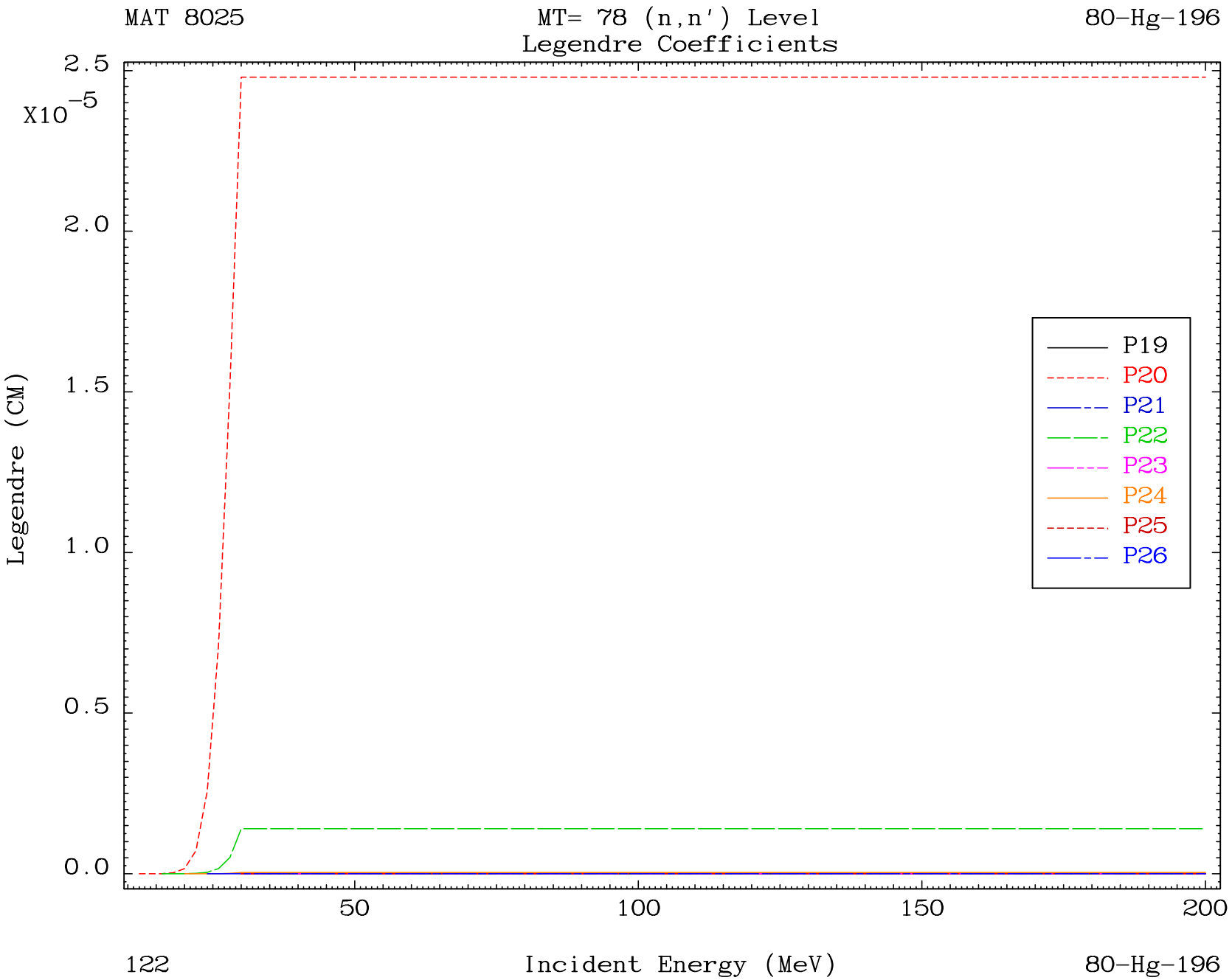

MAT 8025
MT= 77 (n,n') Level
Legendre Coefficients
80-Hg-196
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
117
Incident Energy (MeV)
80-Hg-196

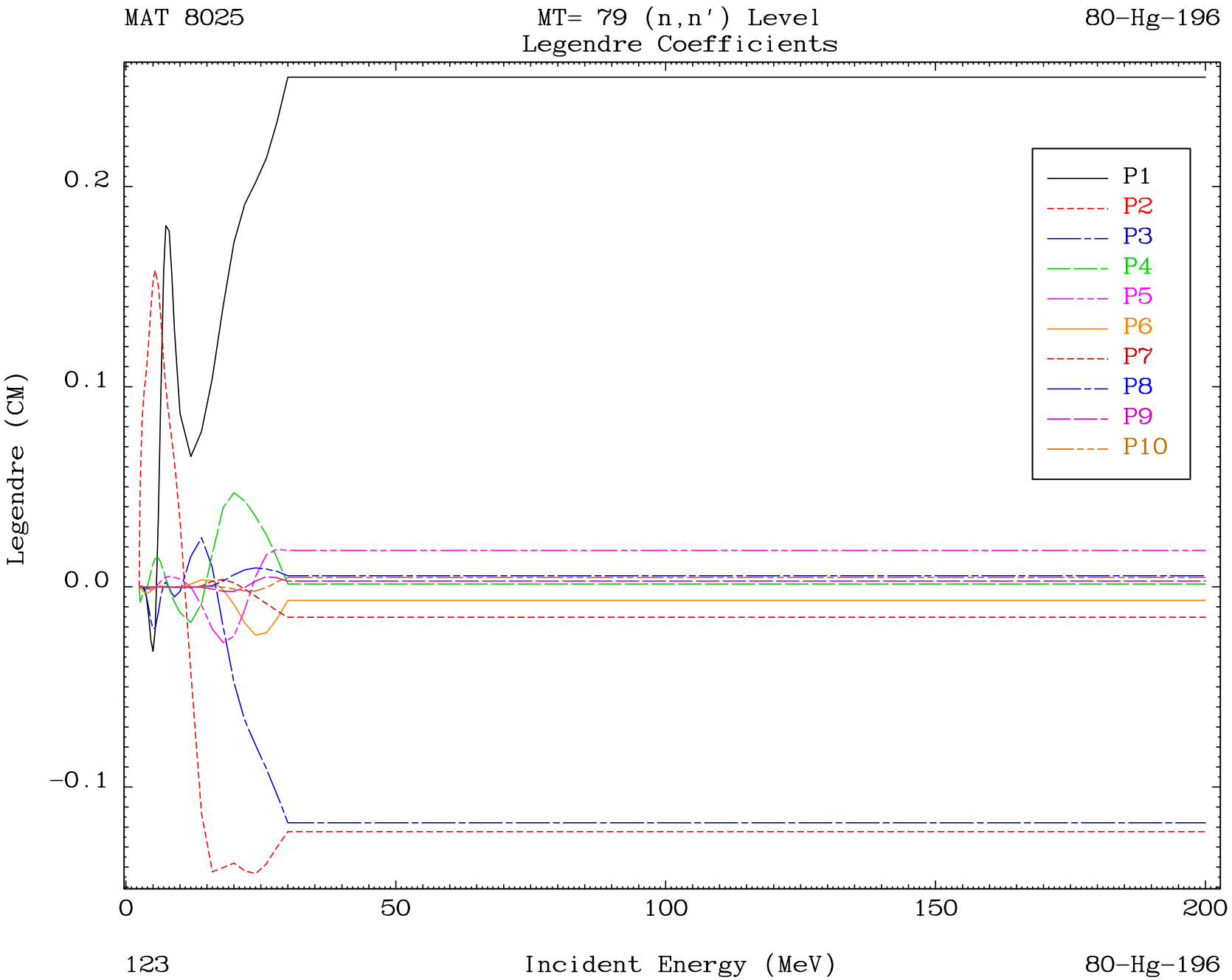

MAT 8025
MT= 77 (n,n') Level
Legendre Coefficients
80-Hg-196
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
118
Incident Energy (MeV)
80-Hg-196
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

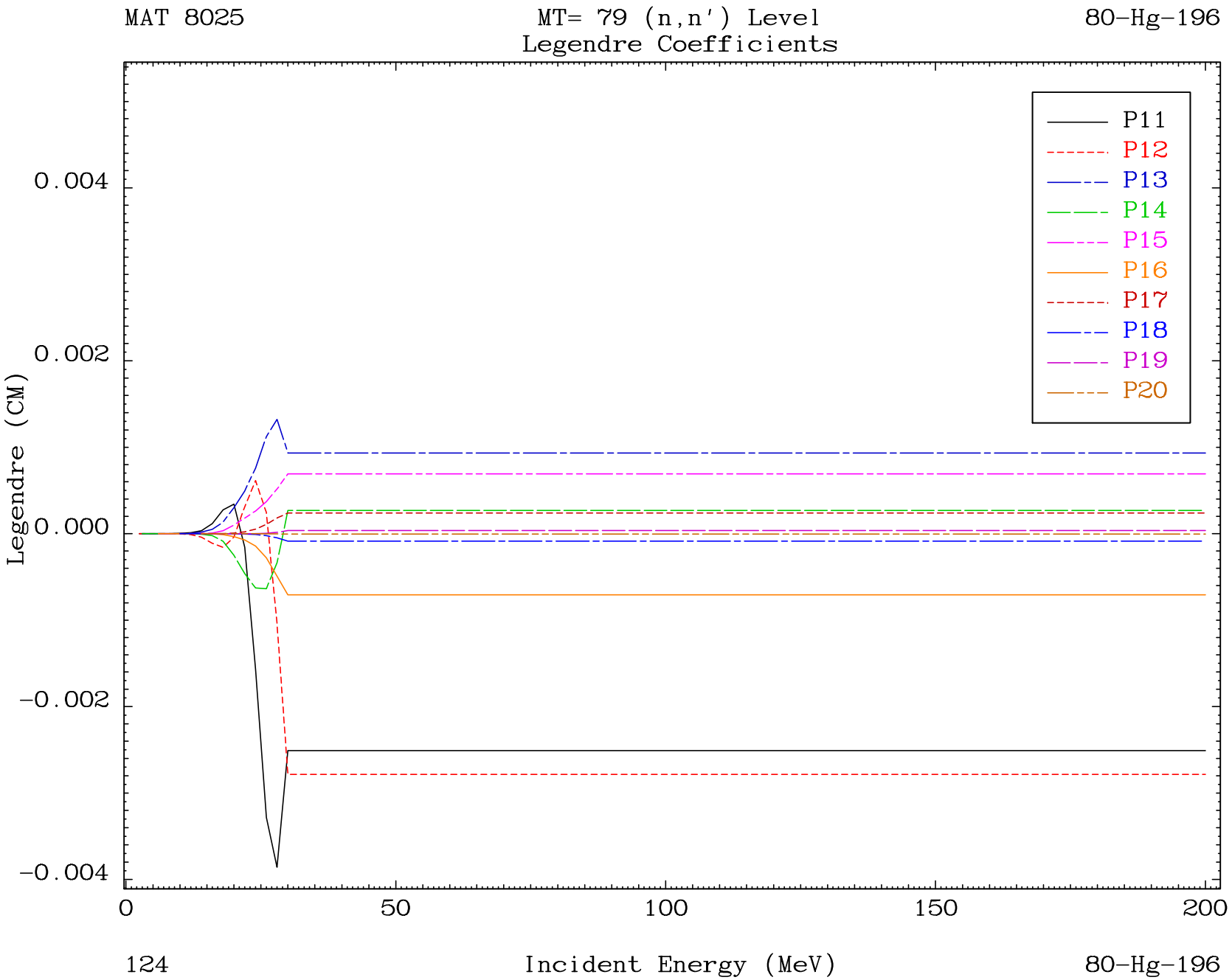

MAT 8025
MT= 77 (n,n') Level
Legendre Coefficients
80-Hg-196
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
119
Incident Energy (MeV)
80-Hg-196
P31
P32
P33
P34
P35
P36
P37
P38

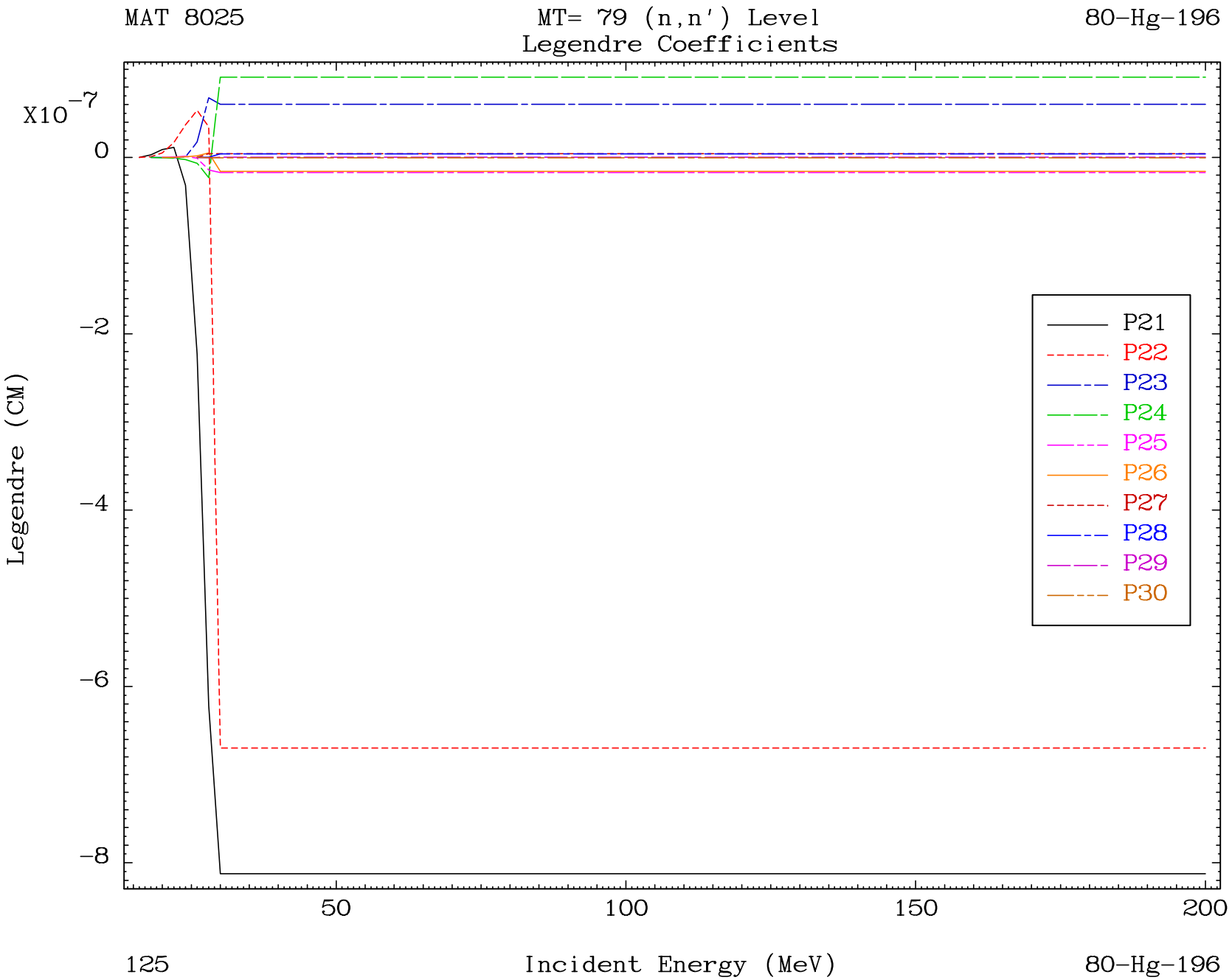

MAT 8025
MT= 78 (n,n') Level
Legendre Coefficients
80-Hg-196
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
120
Incident Energy (MeV)
80-Hg-196

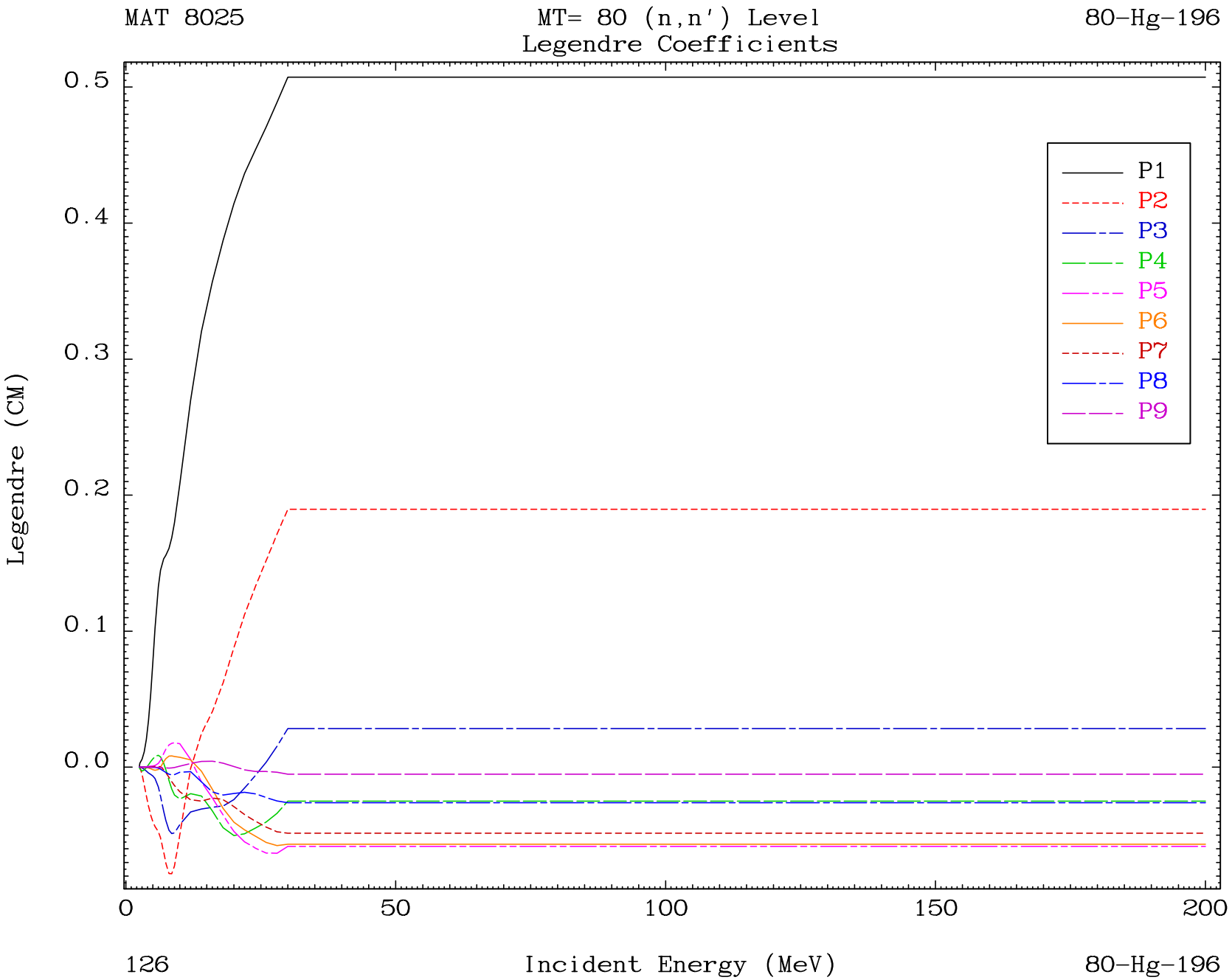

MAT 8025
MT= 78 (n,n') Level
Legendre Coefficients
80-Hg-196
X10 -2
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
0
50
100
150
200
121
Incident Energy (MeV)
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18

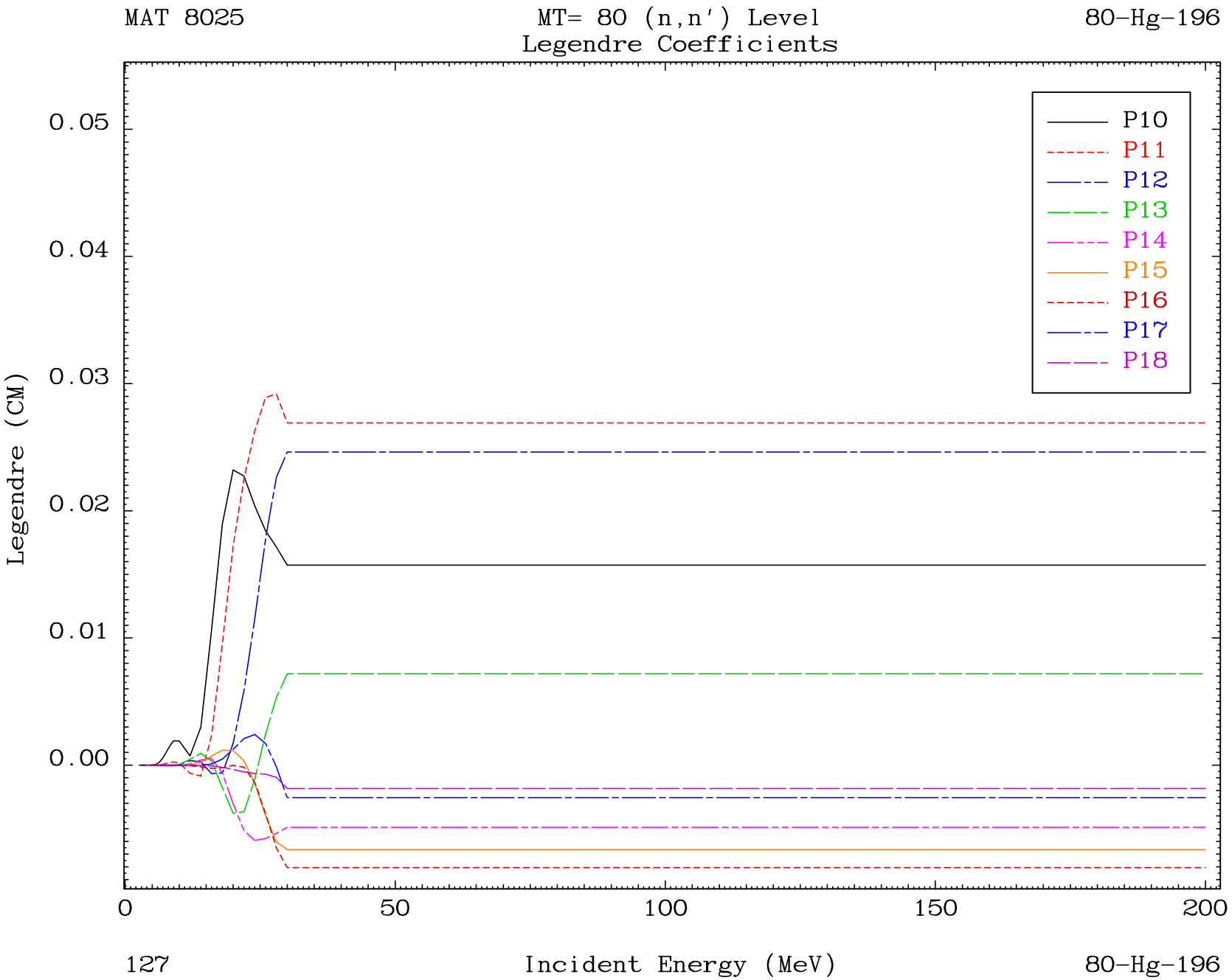

MAT 8025
MT= 78 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-5
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
122
Incident Energy (MeV)
80-Hg-196
P19
P20
P21
P22
P23
P24
P25
P26

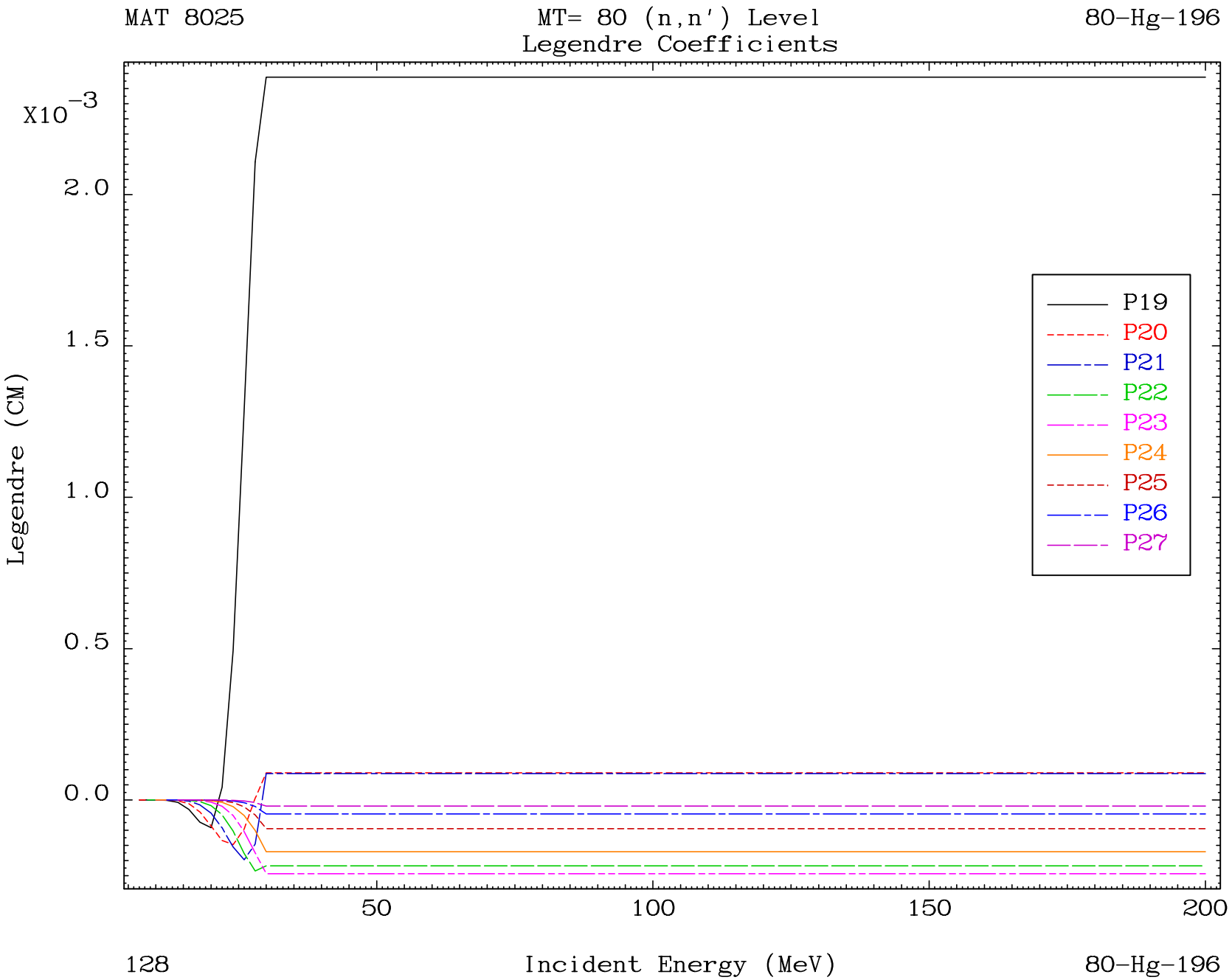

MAT 8025
MT= 79 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
123
Incident Energy (MeV)
80-Hg-196

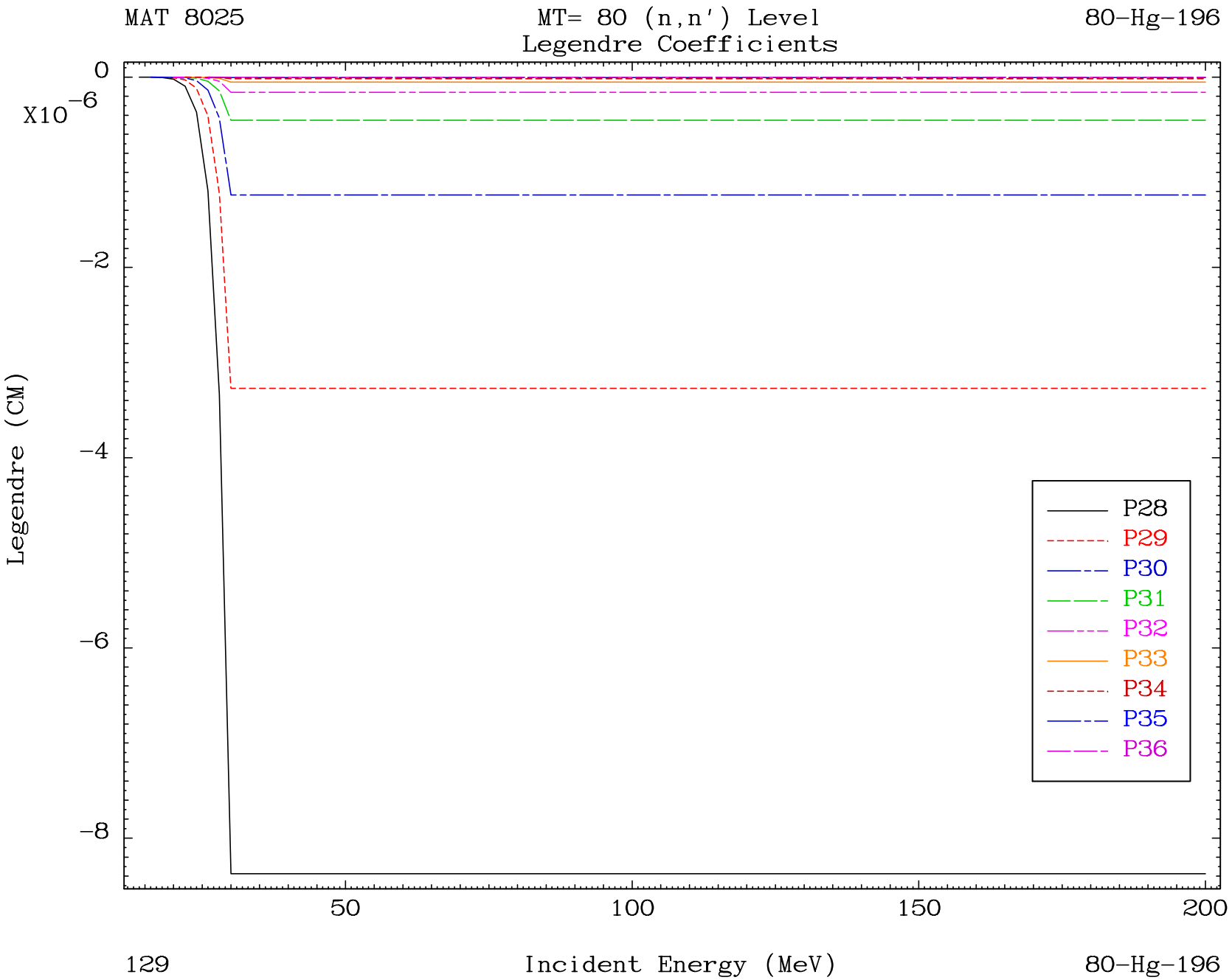

MAT 8025
MT= 79 (n,n') Level
Legendre Coefficients
80-Hg-196
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
0
50
100
150
200
124
Incident Energy (MeV)
80-Hg-196

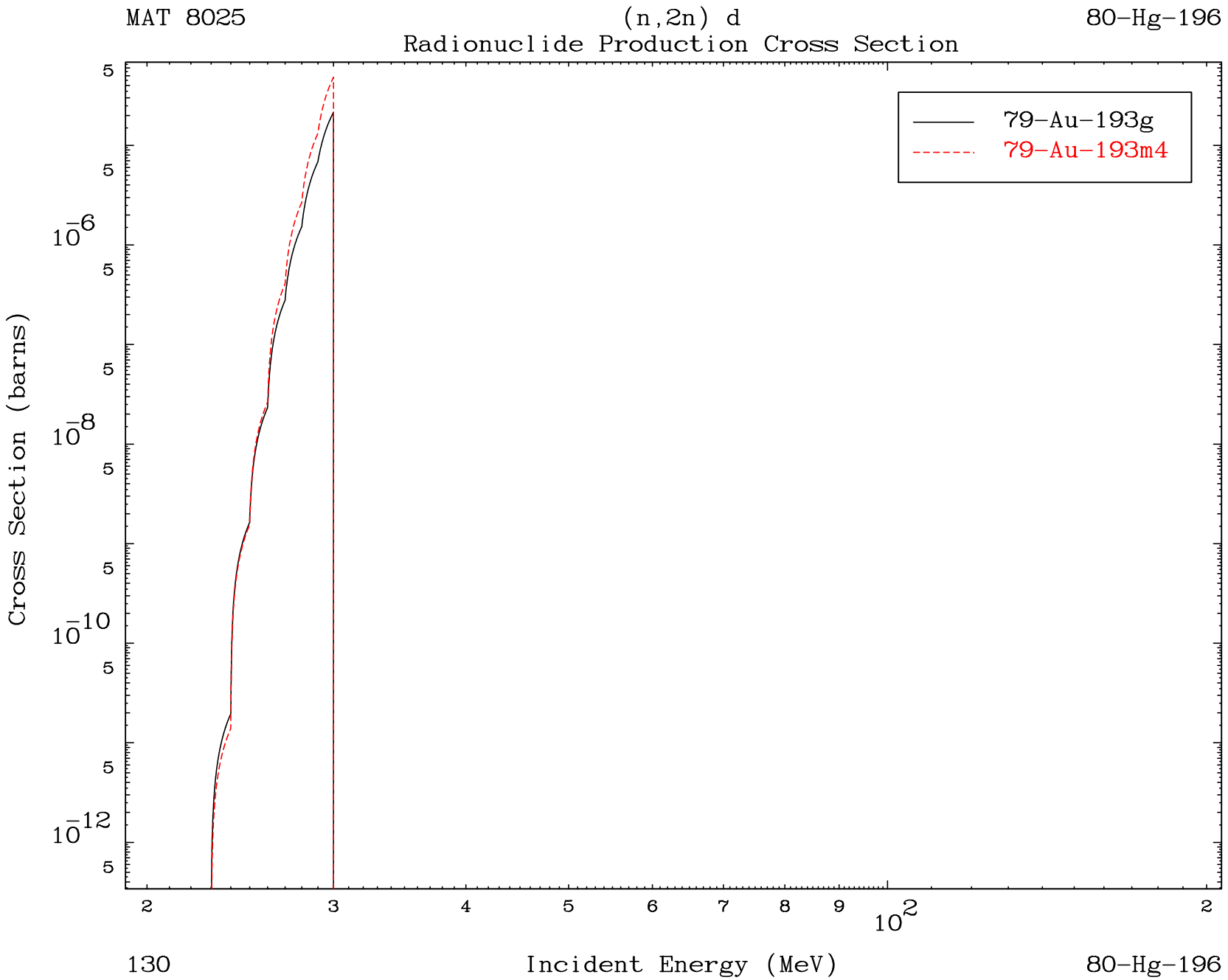

MAT 8025
MT= 79 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-7
0
-2
-4
-6
-8
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
125
Incident Energy (MeV)
80-Hg-196

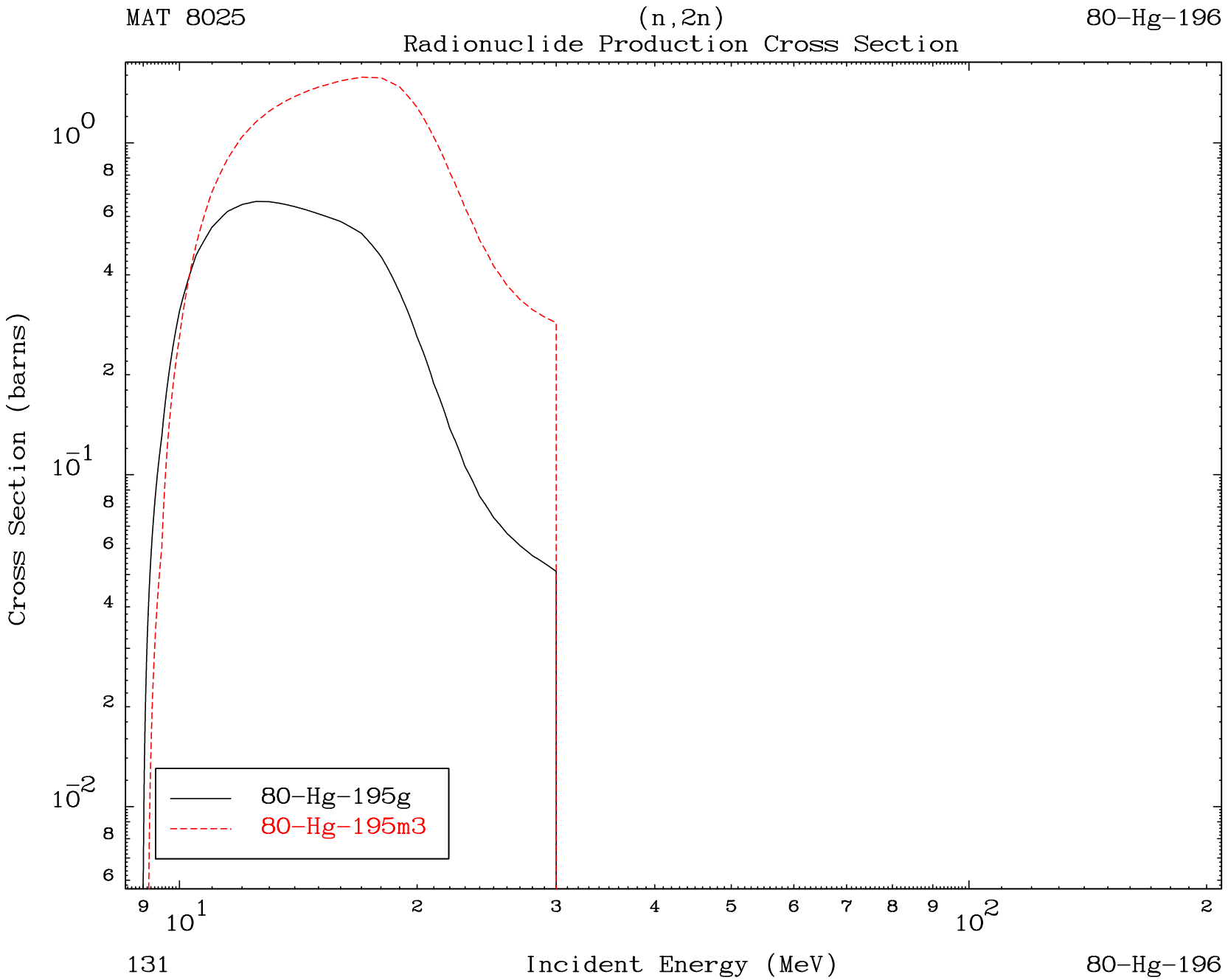

MAT 8025
MT= 80 (n,n') Level
Legendre Coefficients
80-Hg-196
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
126
Incident Energy (MeV)
80-Hg-196

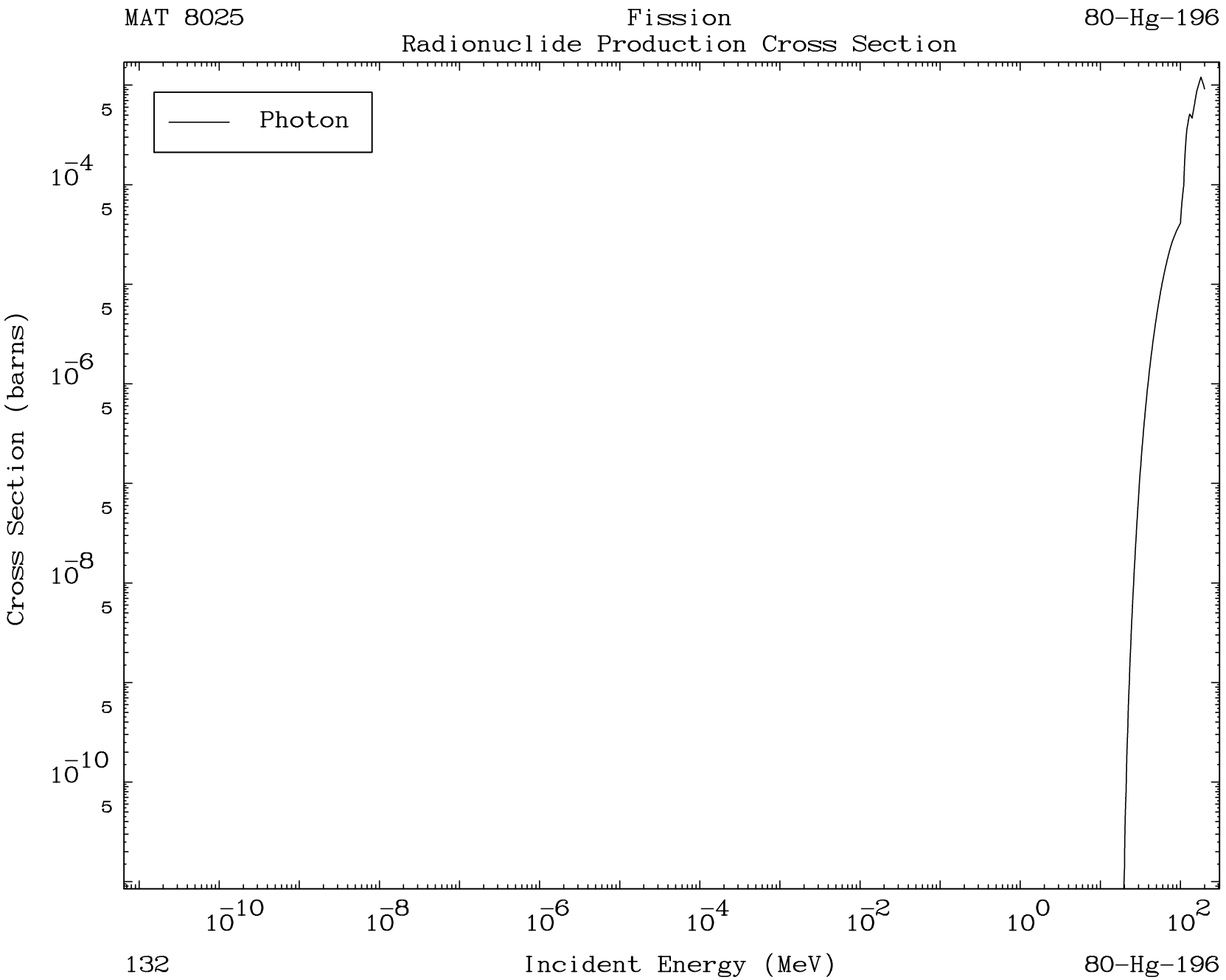

MAT 8025
MT= 80 (n,n') Level
Legendre Coefficients
80-Hg-196
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.05
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
127
Incident Energy (MeV)
80-Hg-196

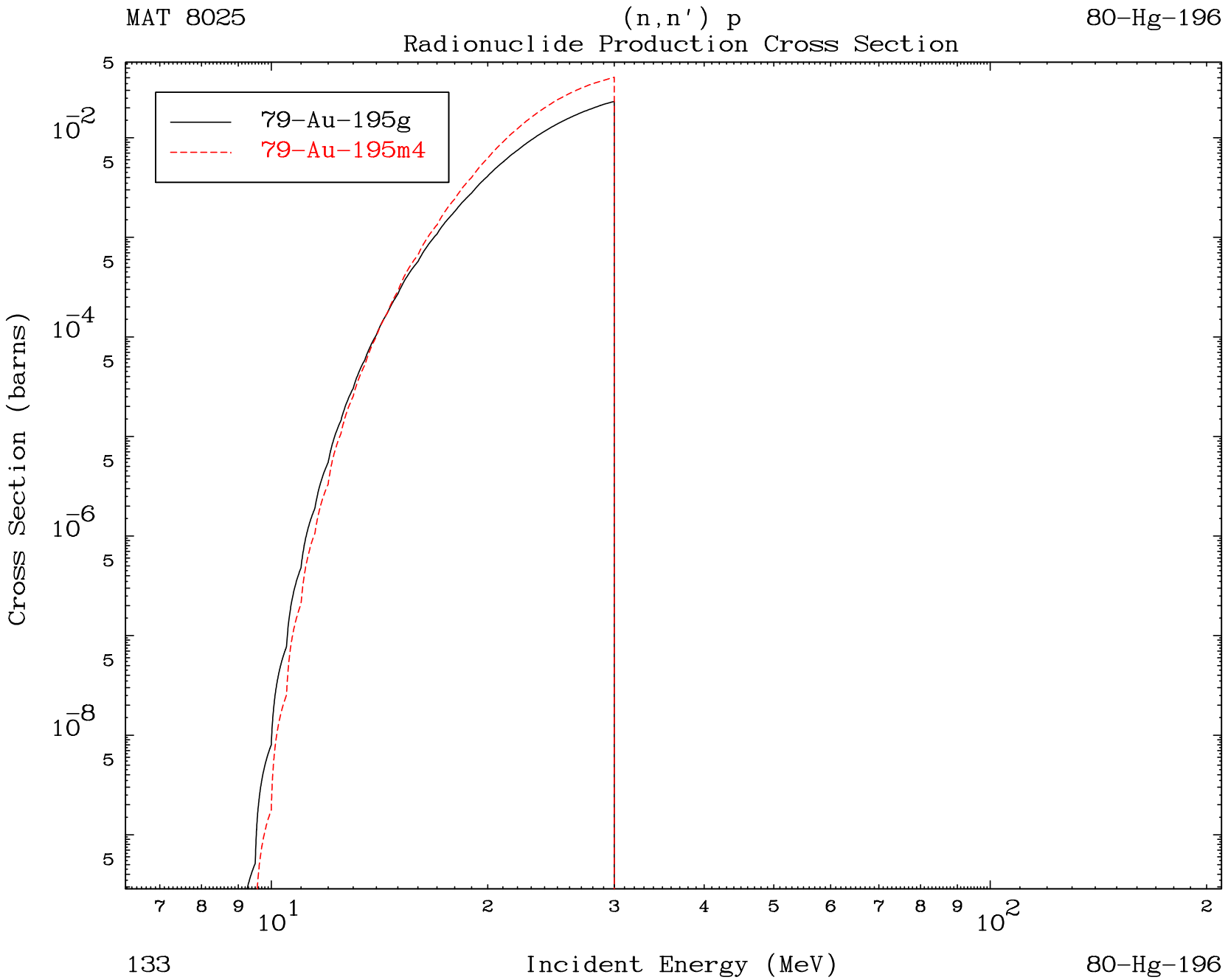

MAT 8025
MT= 80 (n,n') Level
Legendre Coefficients
80-Hg-196
X10^-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
128
Incident Energy (MeV)
80-Hg-196

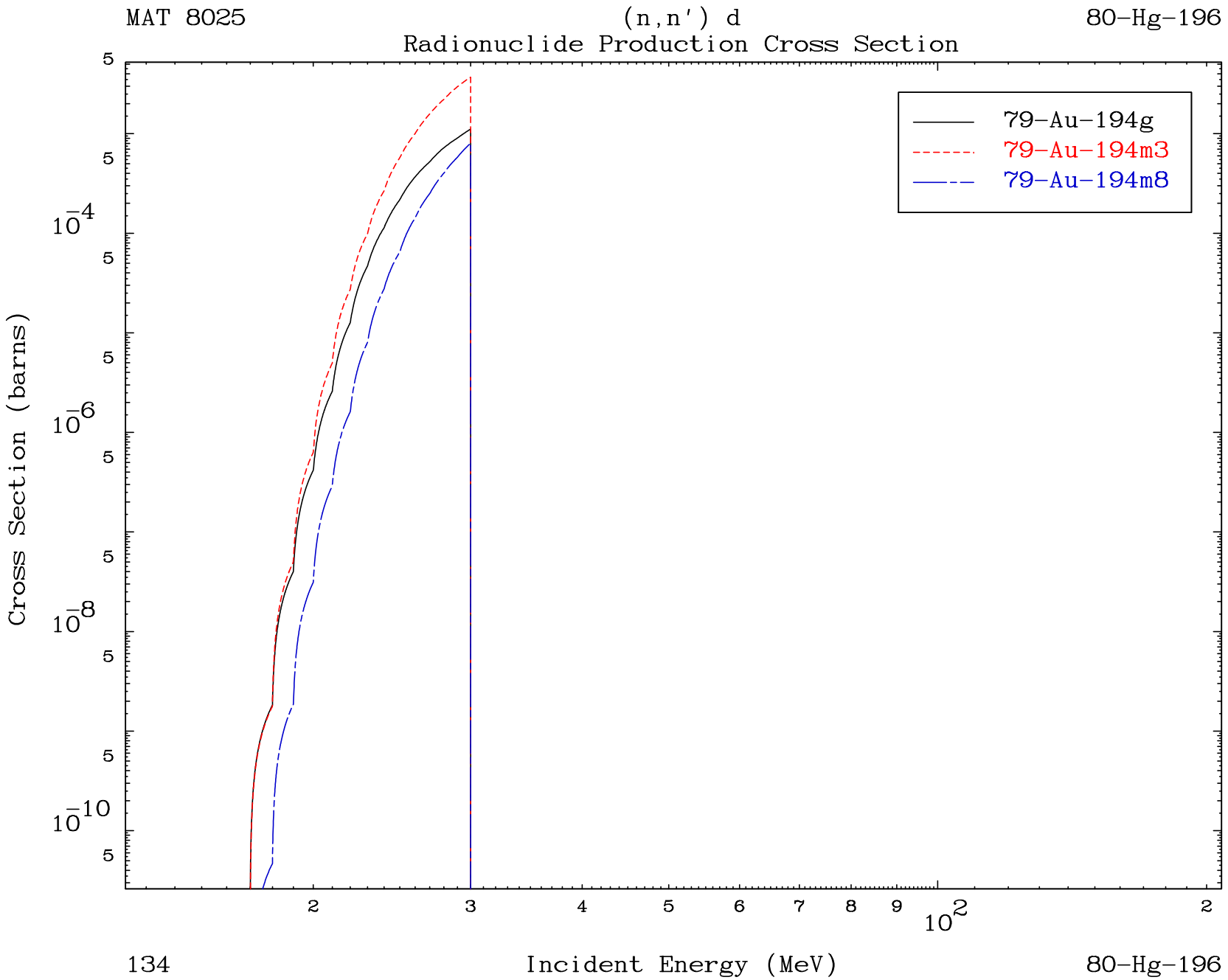

MAT 8025
MT= 80 (n,n') Level
Legendre Coefficients
80-Hg-196
0
X10^-6
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
129
Incident Energy (MeV)
80-Hg-196
P28
P29
P30
P31
P32
P33
P34
P35
P36

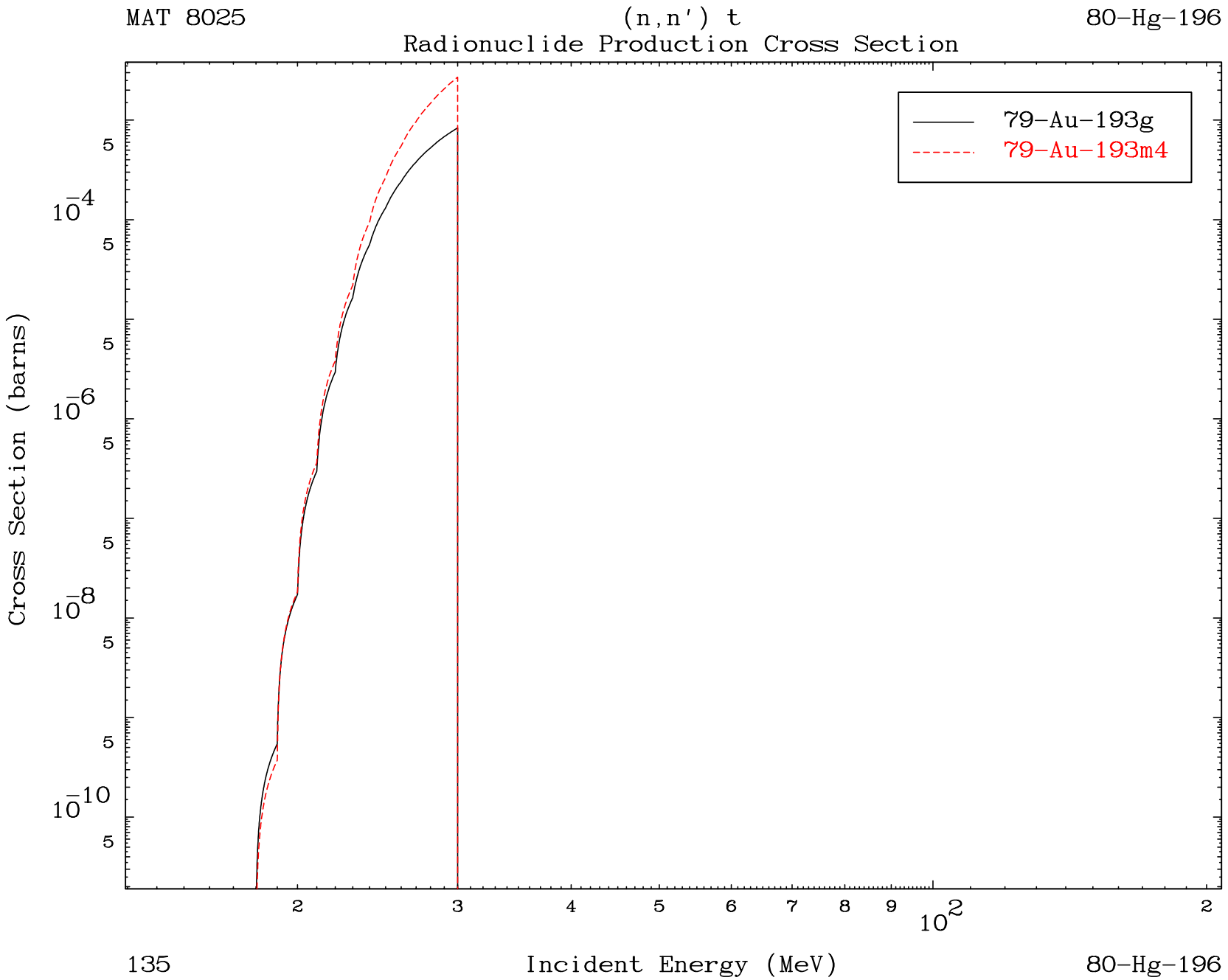

MAT 8025
(n,2n) d
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
130
80-Hg-196

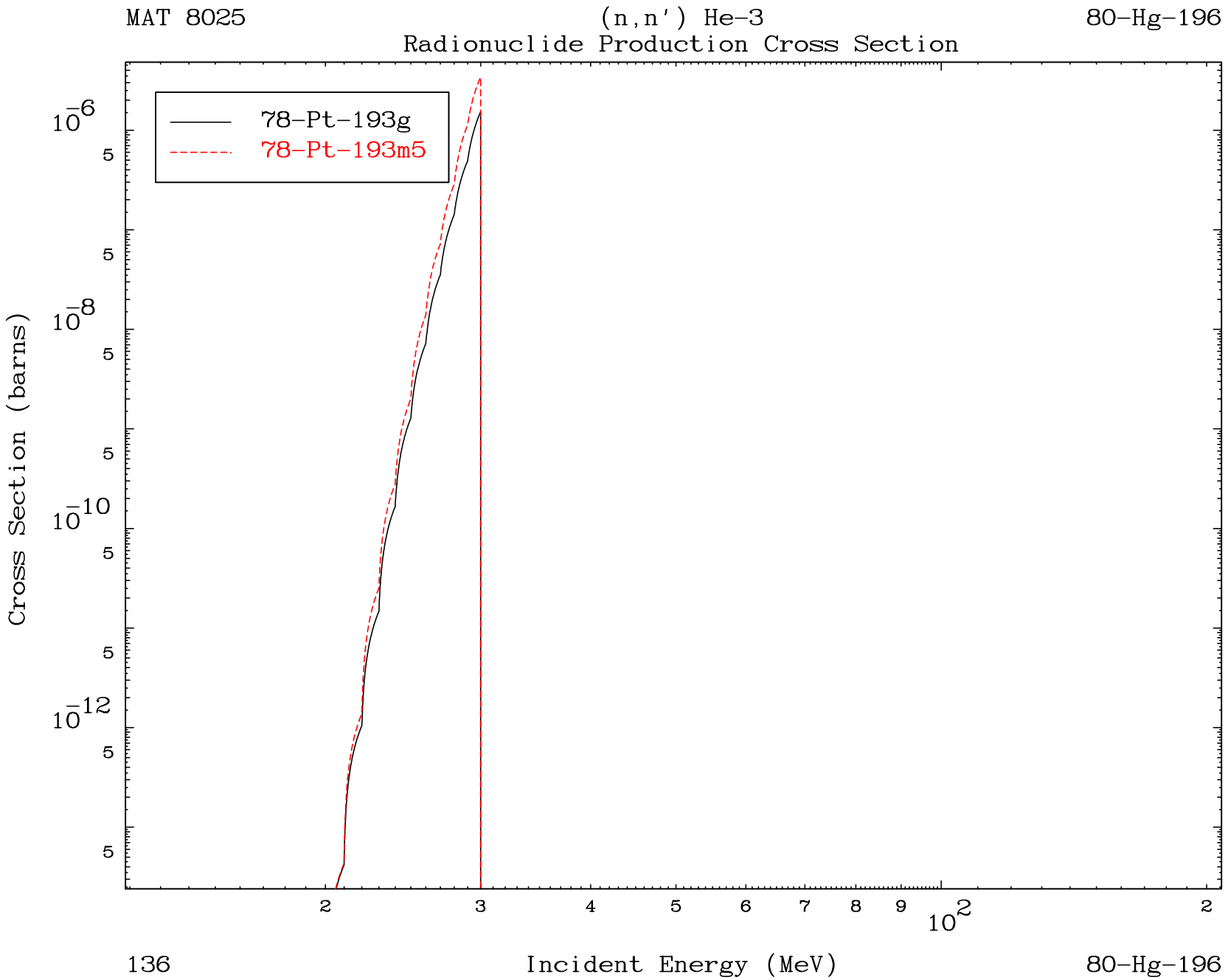

MAT 8025
(n,2n)
80-Hg-196
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-1
10^-2
80-Hg-195g
80-Hg-195m3
10^1
10^2
Incident Energy (MeV)
131
80-Hg-196

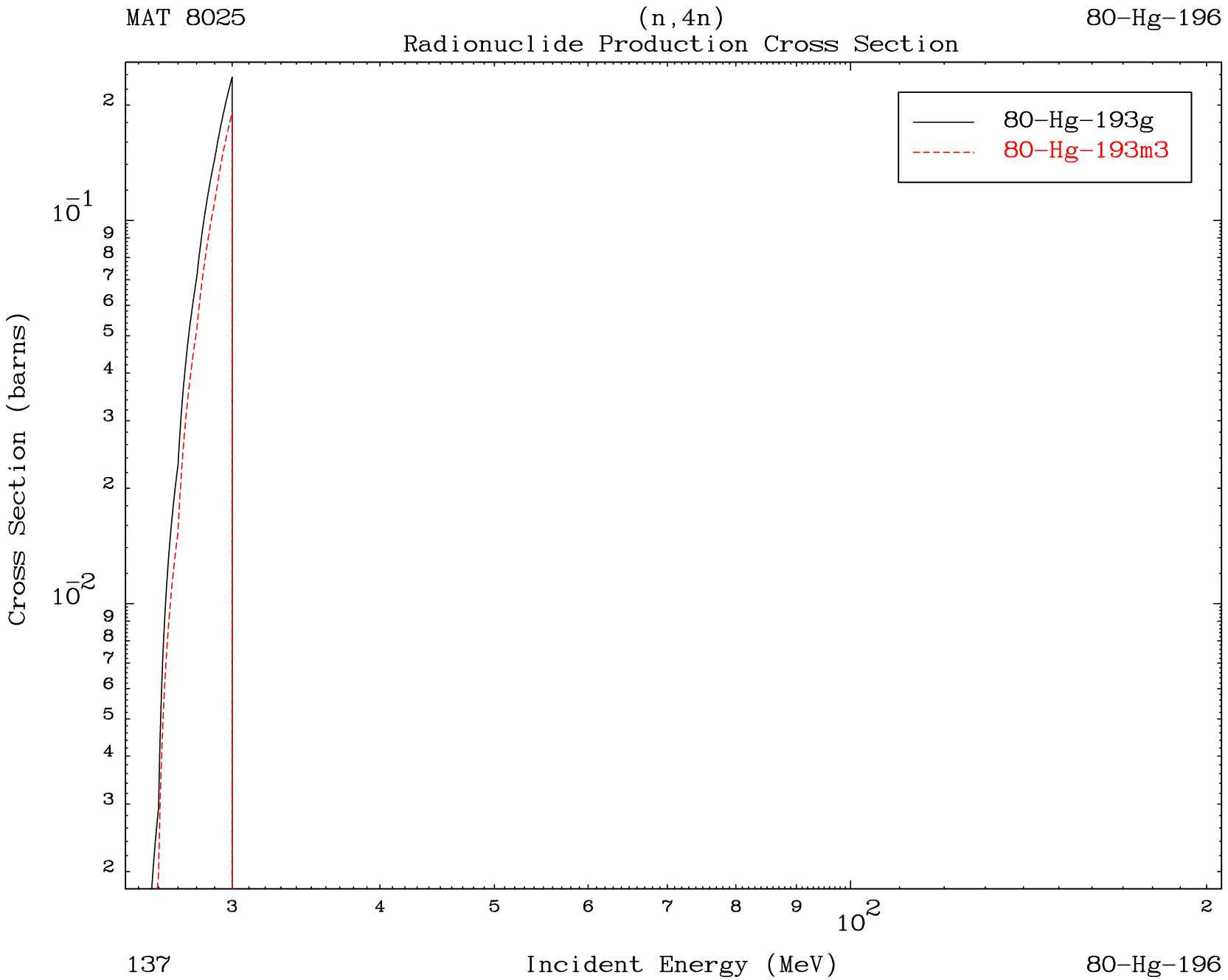

MAT 8025
Fission
80-Hg-196
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
132
Incident Energy (MeV)
80-Hg-196

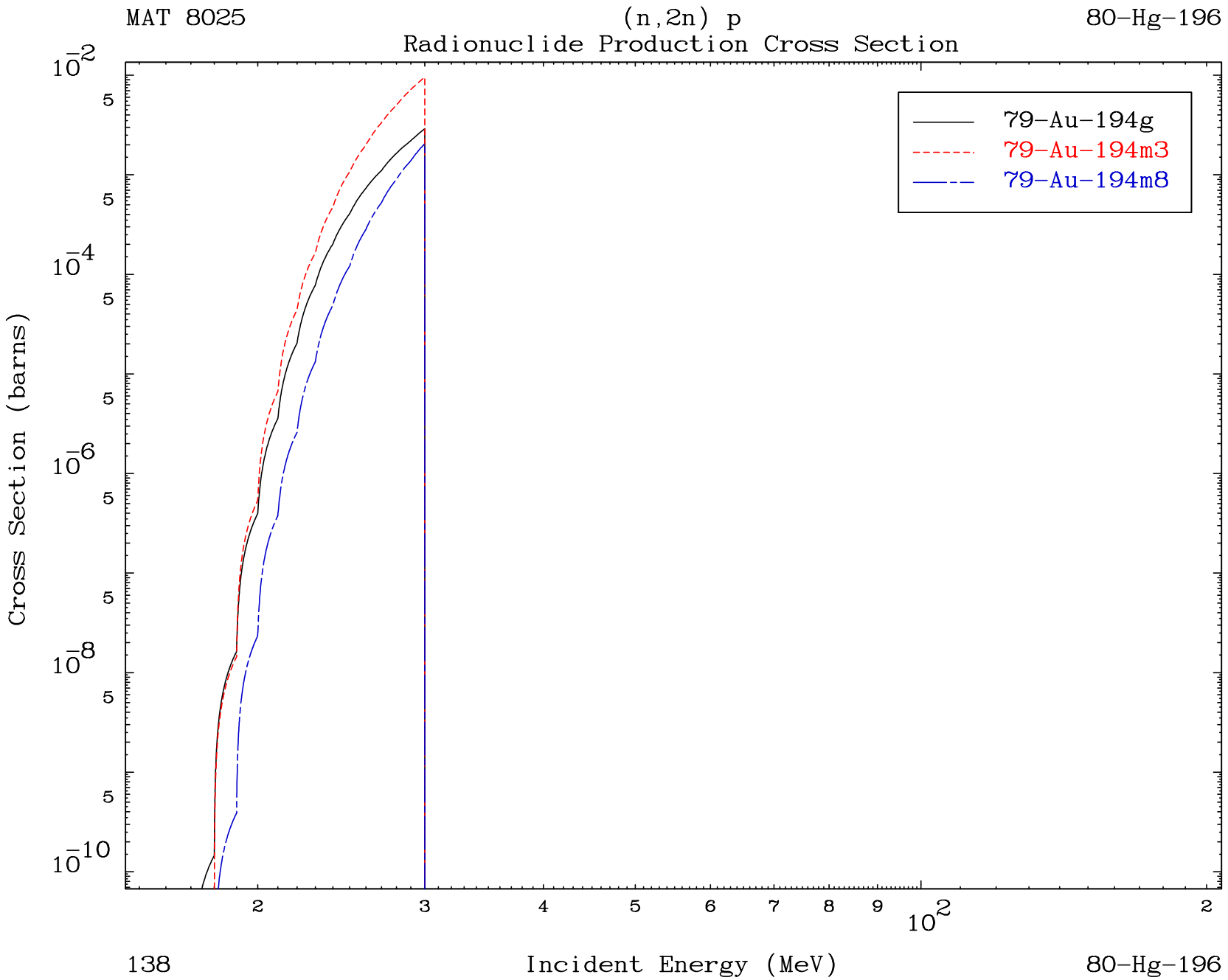

MAT 8025
(n,n') p
80-Hg-196
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
133
Incident Energy (MeV)
80-Hg-196

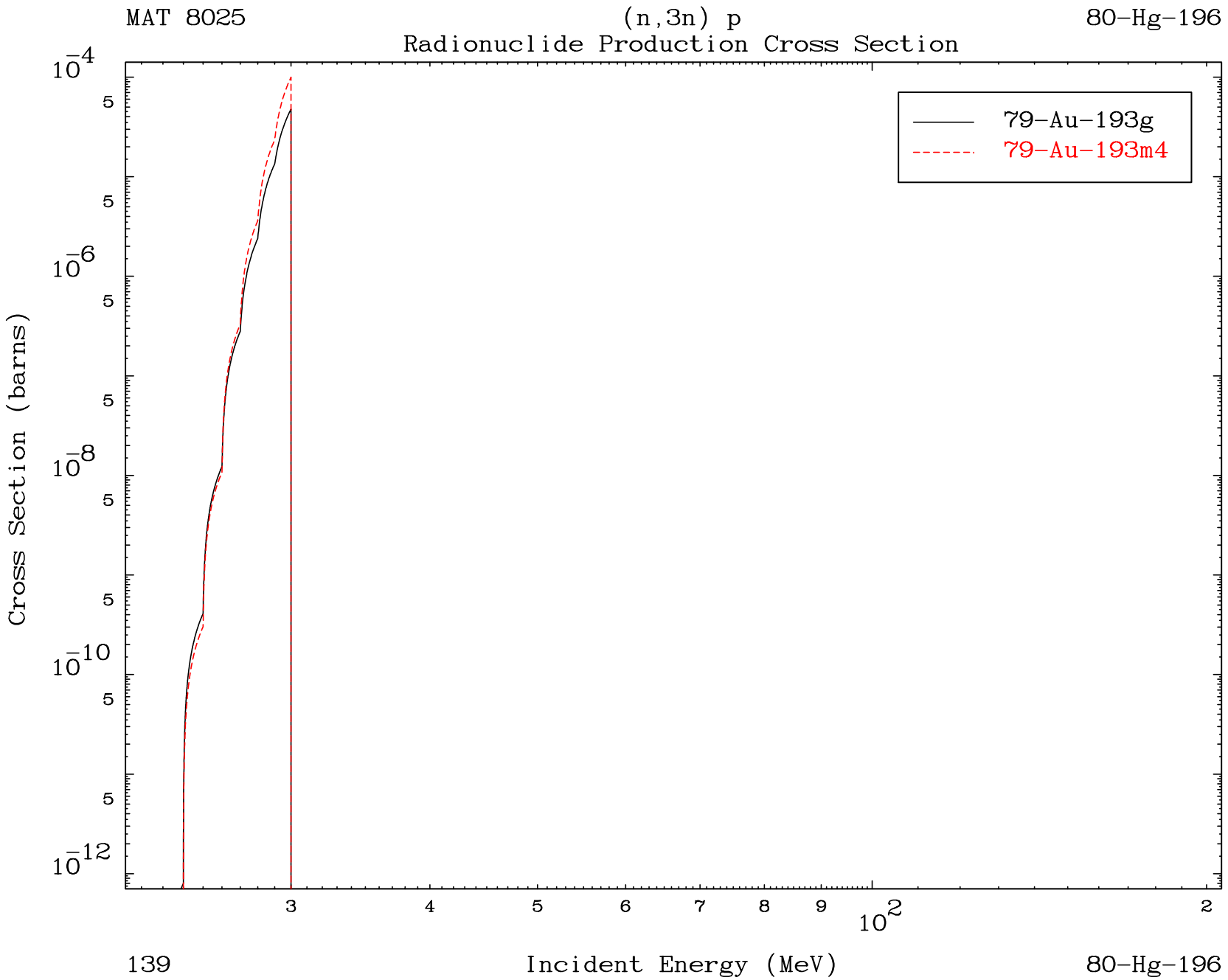

MAT 8025
(n,n') d
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
134
80-Hg-196

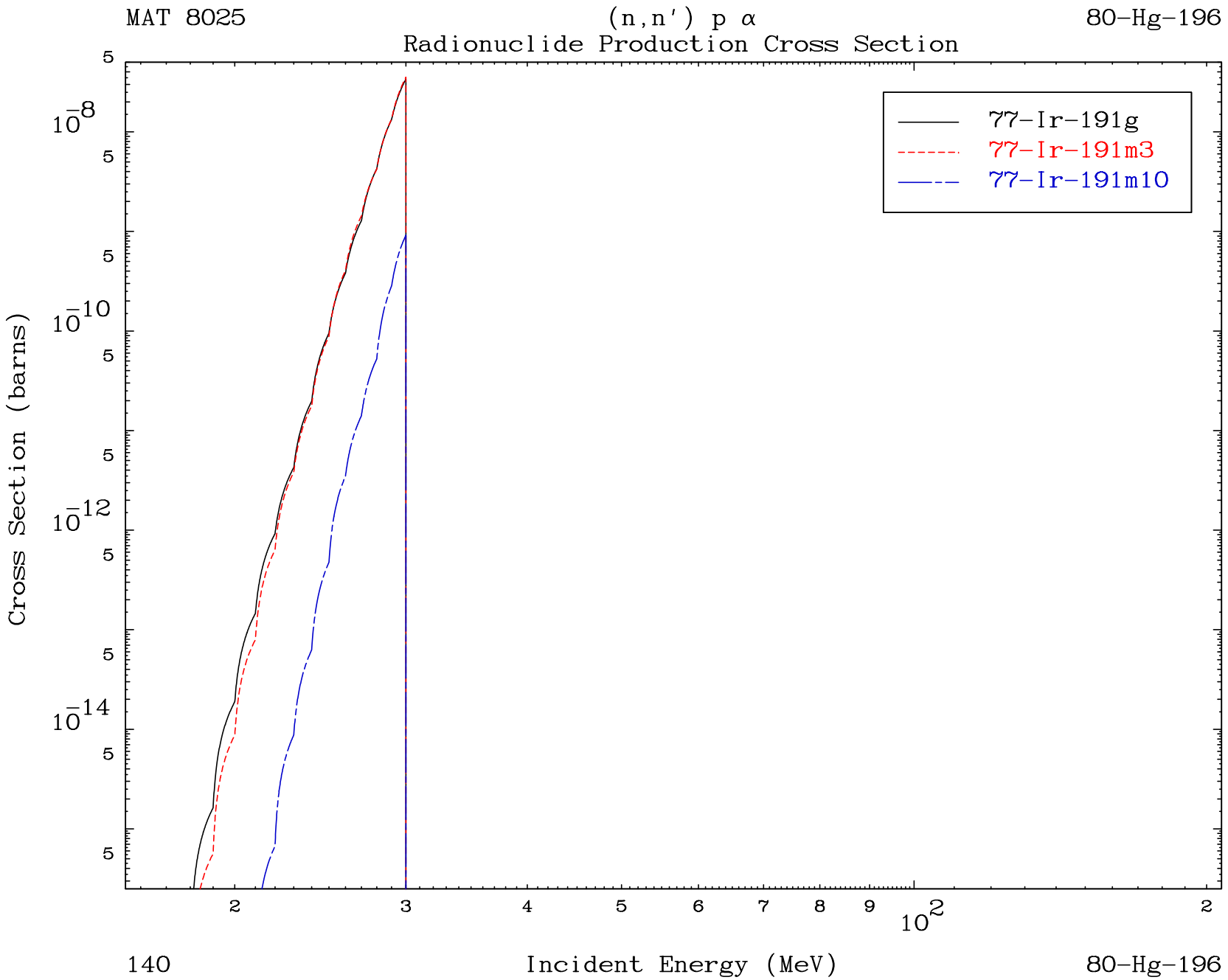

MAT 8025
(n,n') t
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
135
Incident Energy (MeV)
80-Hg-196

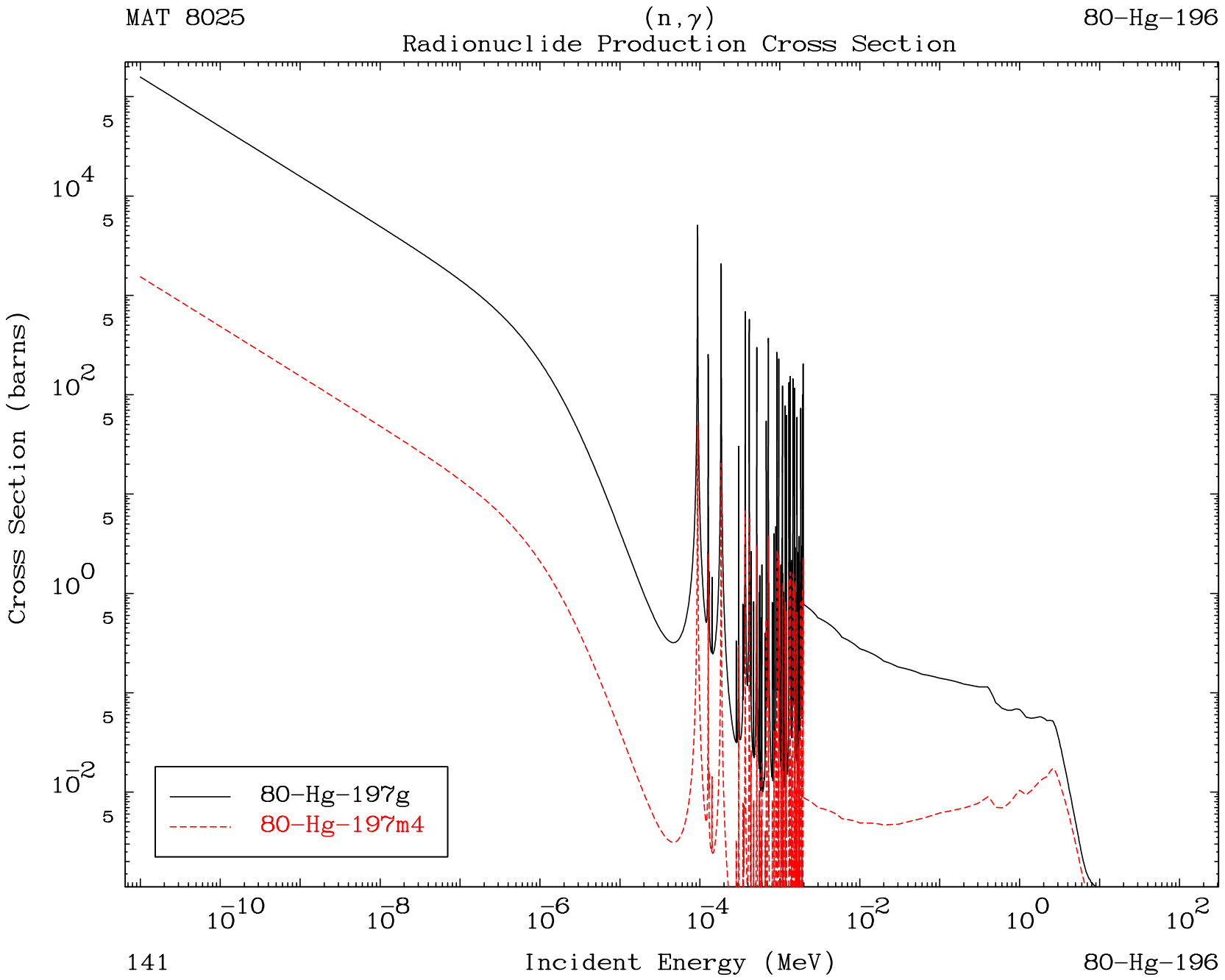

MAT 8025
(n,n') He-3
80-Hg-196
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
136
Incident Energy (MeV)
80-Hg-196

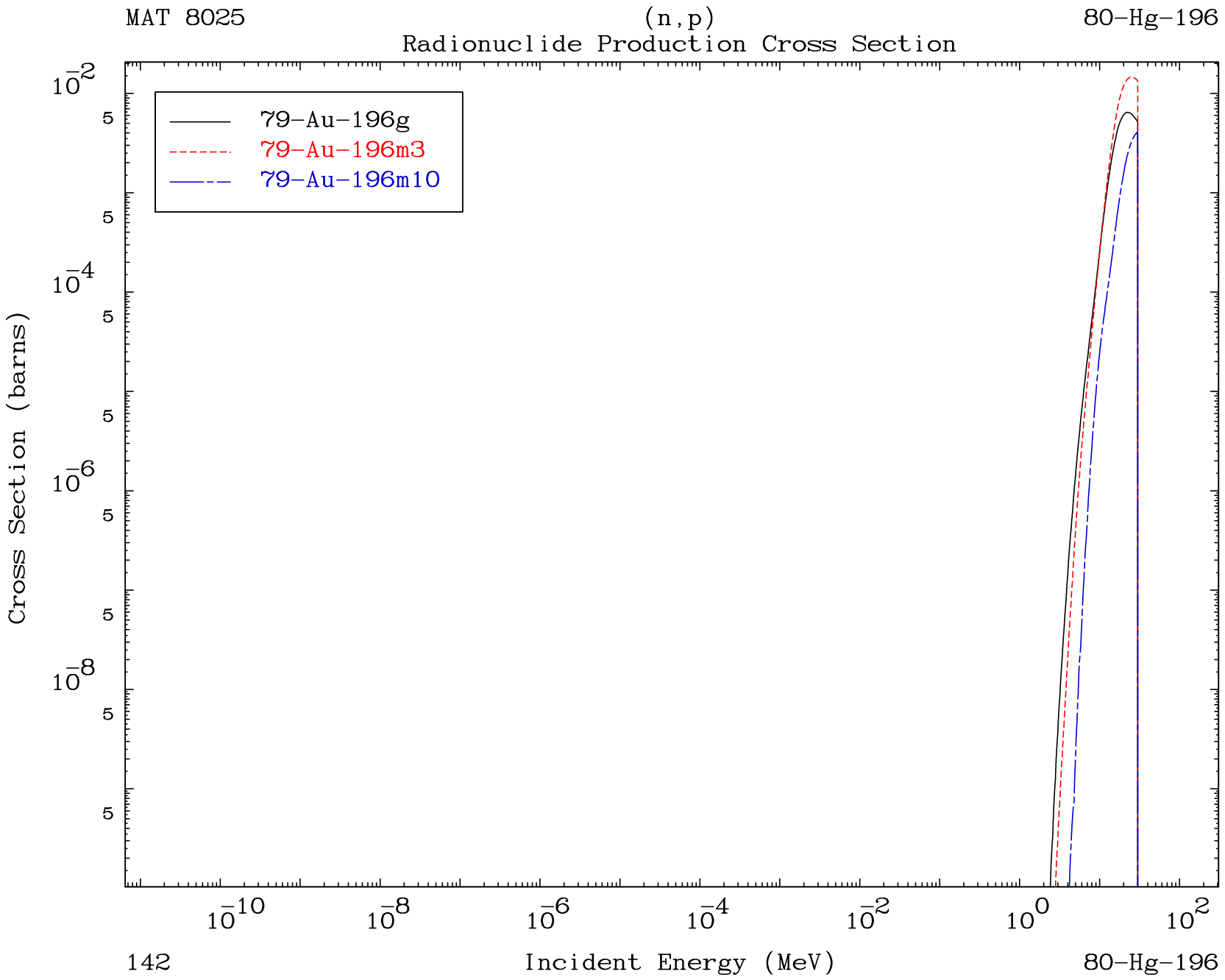

MAT 8025
(n,4n)
80-Hg-196
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
137
80-Hg-196

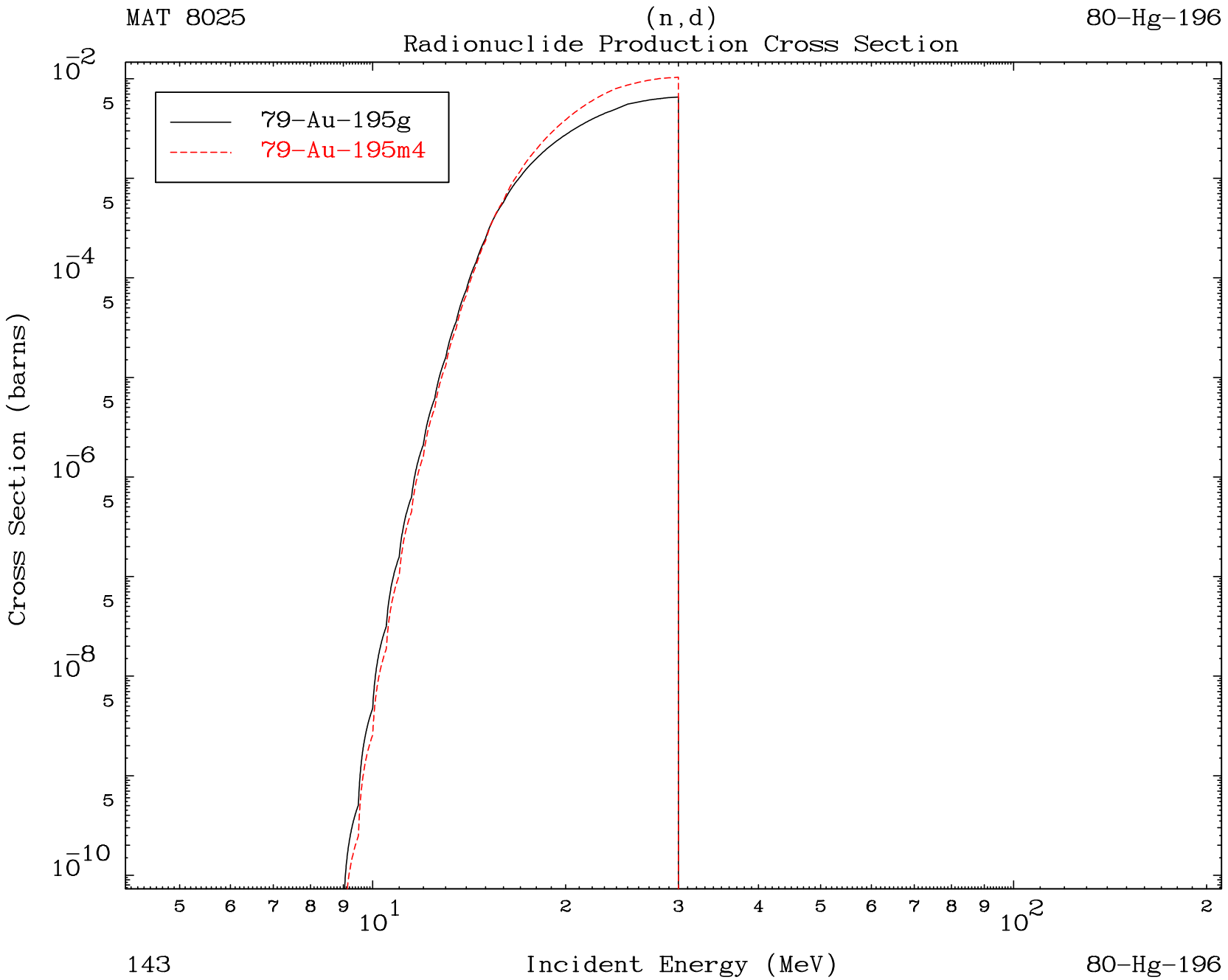

MAT 8025
(n,2n) p
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
138
80-Hg-196

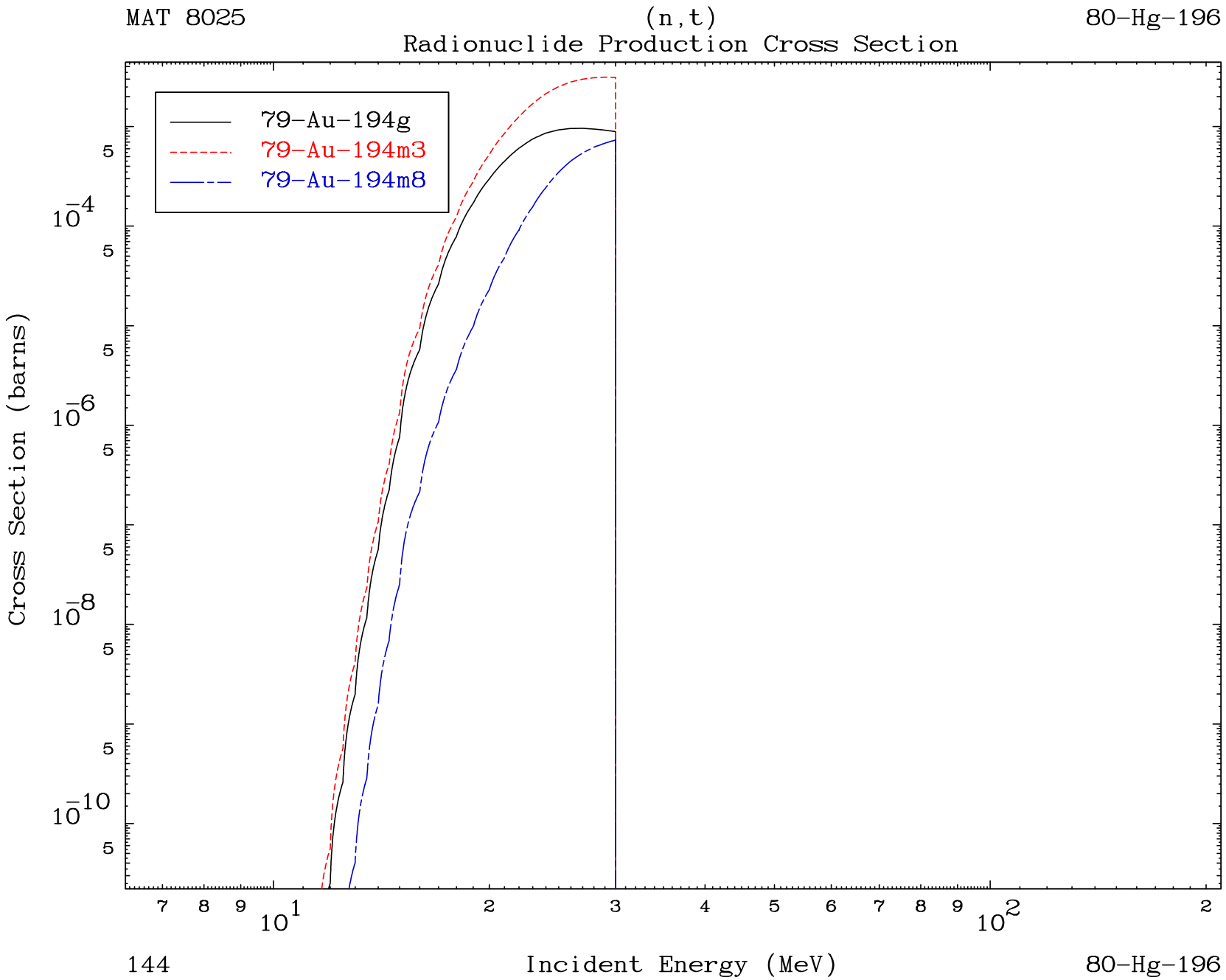

MAT 8025
(n,3n) p
80-Hg-196
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
139
80-Hg-196

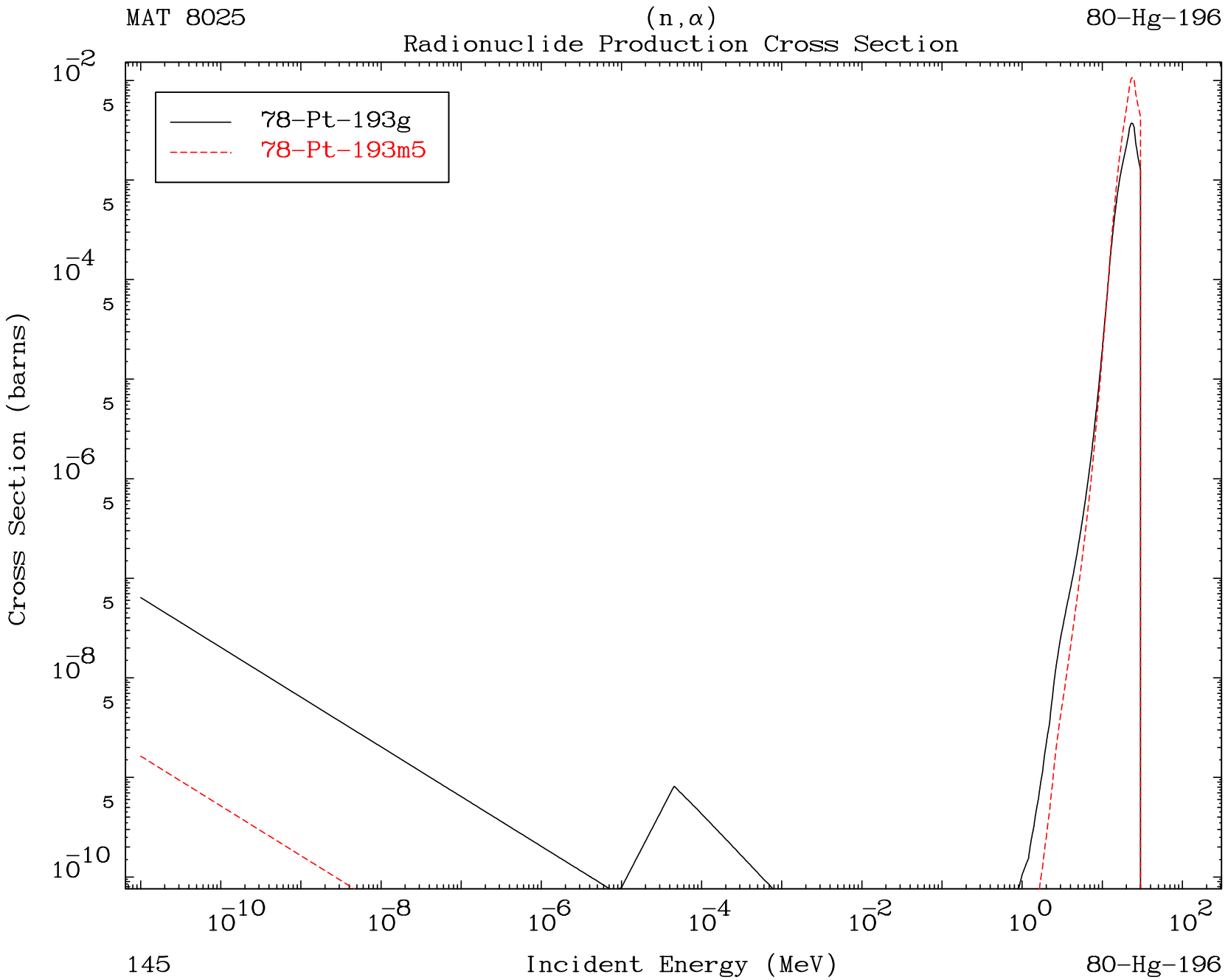

MAT 8025
(n,n') p α
80-Hg-196
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
77-Ir-191m10
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
140
Incident Energy (MeV)
80-Hg-196

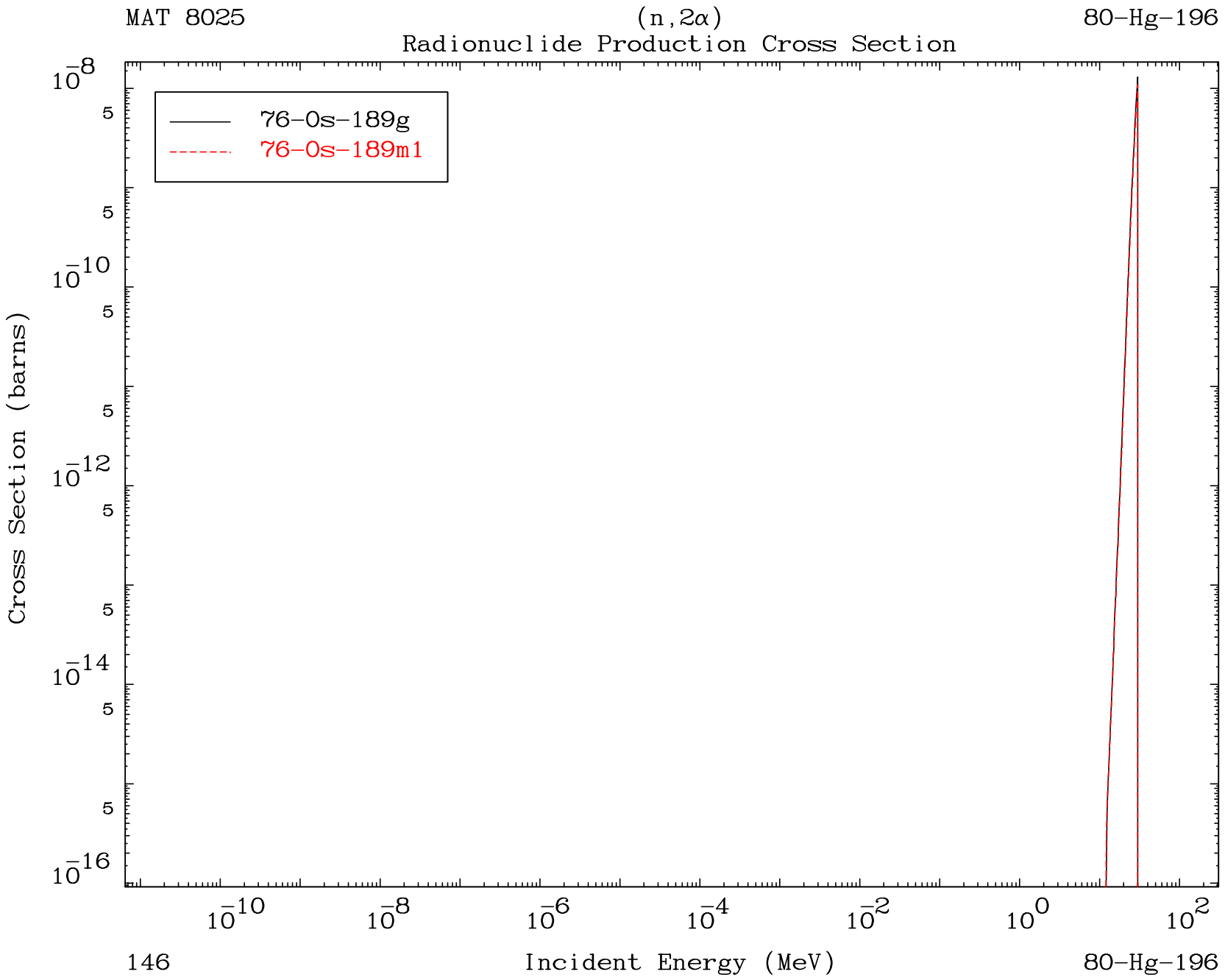

MAT 8025
(n,γ)
80-Hg-196
Radionuclide Production Cross Section
Cross Section (barns)
10^4
10^2
10^0
10^-2
5
Incident Energy (MeV)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
80-Hg-197g
80-Hg-197m4
141
80-Hg-196

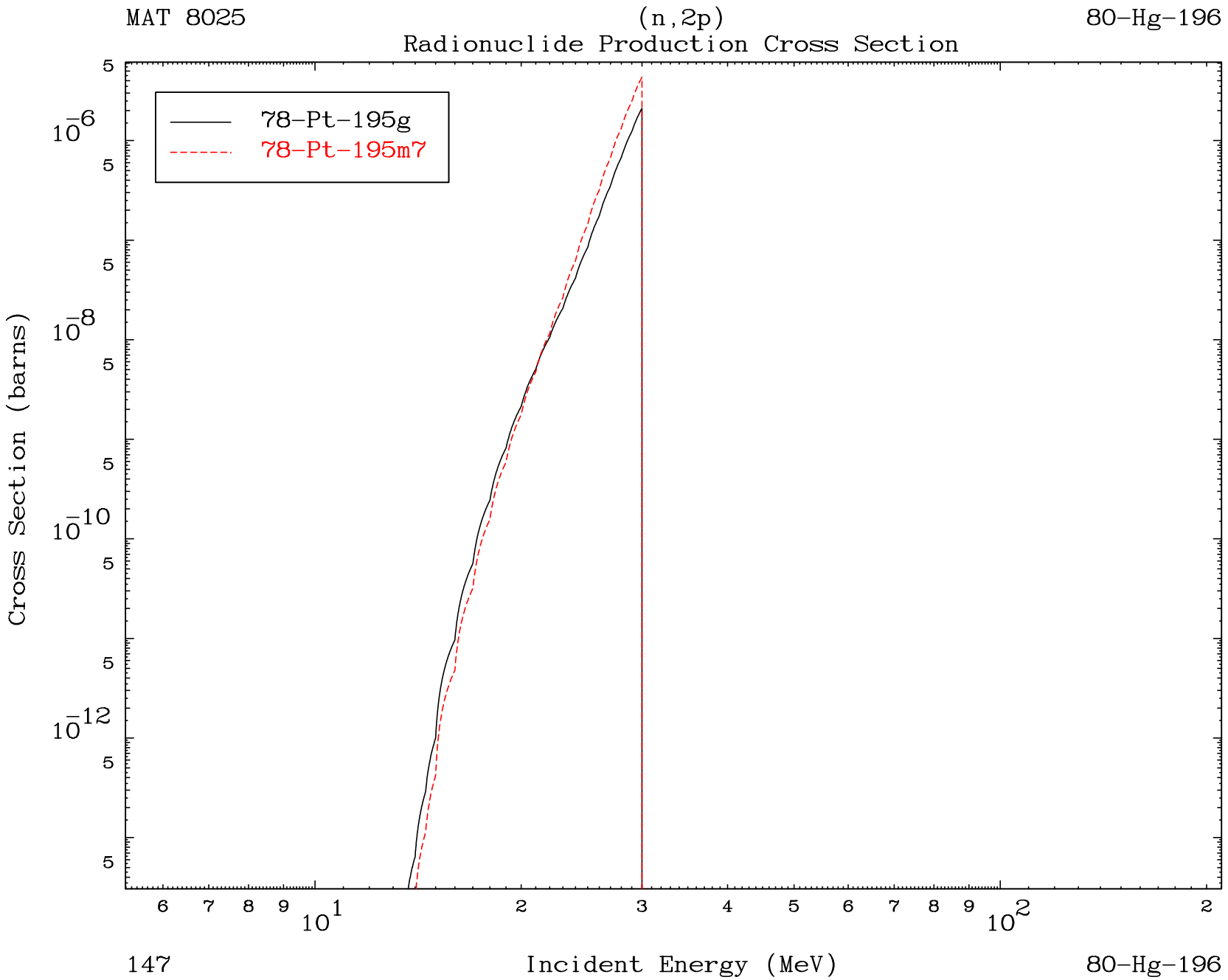

MAT 8025
(n,p)
80-Hg-196
Radionuclide Production Cross Section
79-Au-196g
79-Au-196m3
79-Au-196m10
Cross Section (barns)
Incident Energy (MeV)
142
80-Hg-196

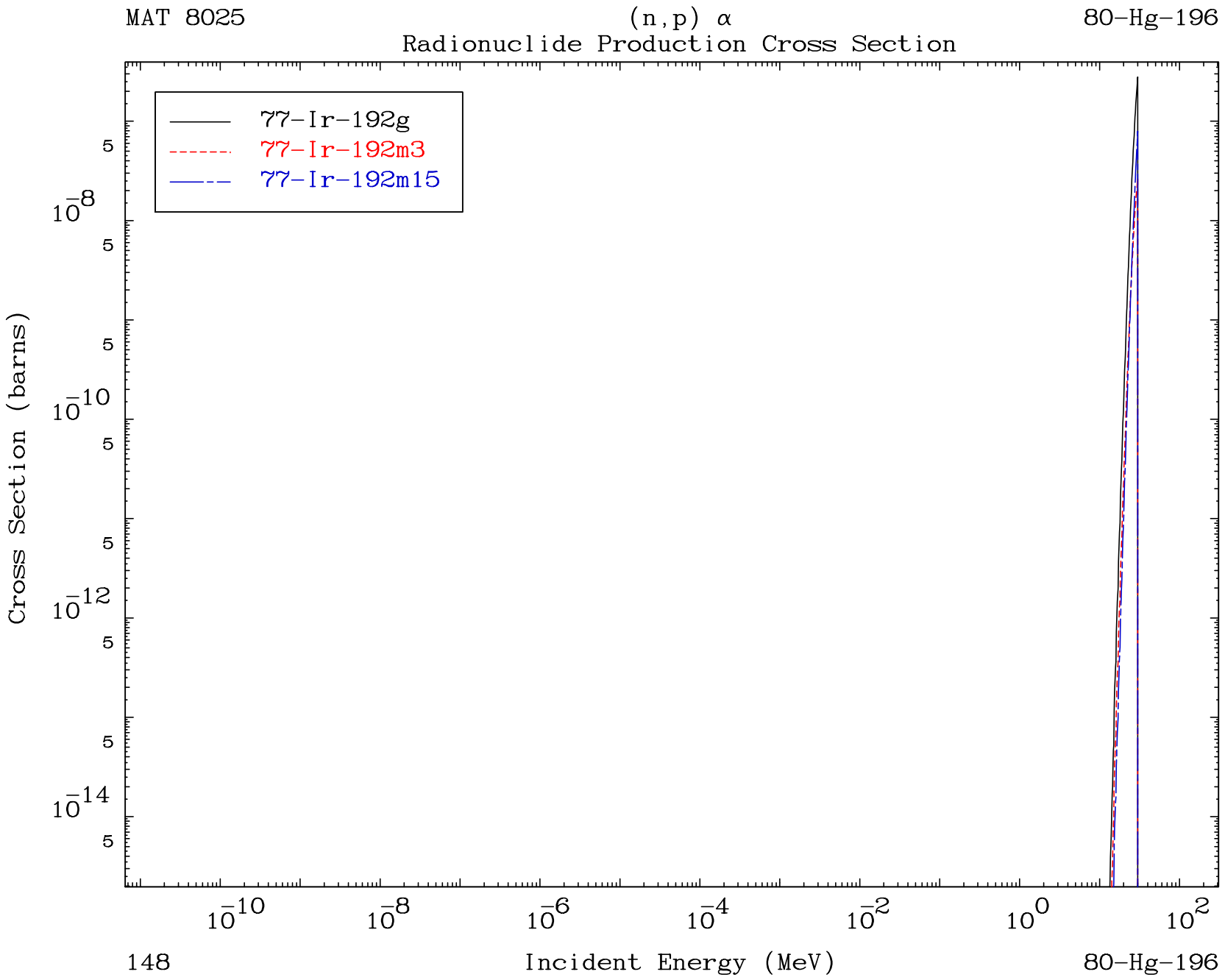

MAT 8025
(n,d)
80-Hg-196
Radionuclide Production Cross Section
79-Au-195g
79-Au-195m4
Cross Section (barns)
Incident Energy (MeV)
143
80-Hg-196

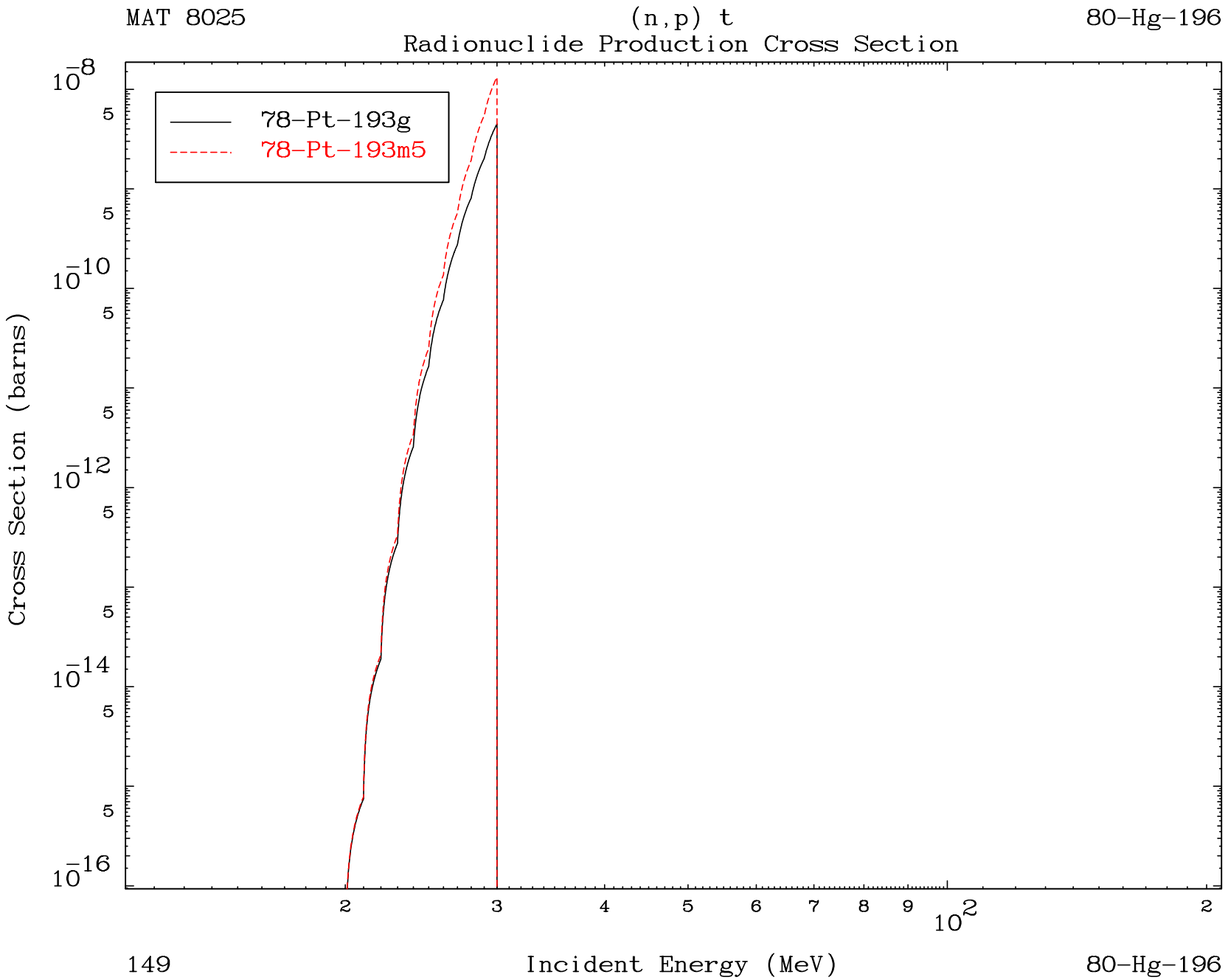

MAT 8025
(n,t)
80-Hg-196
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
144
Incident Energy (MeV)
80-Hg-196

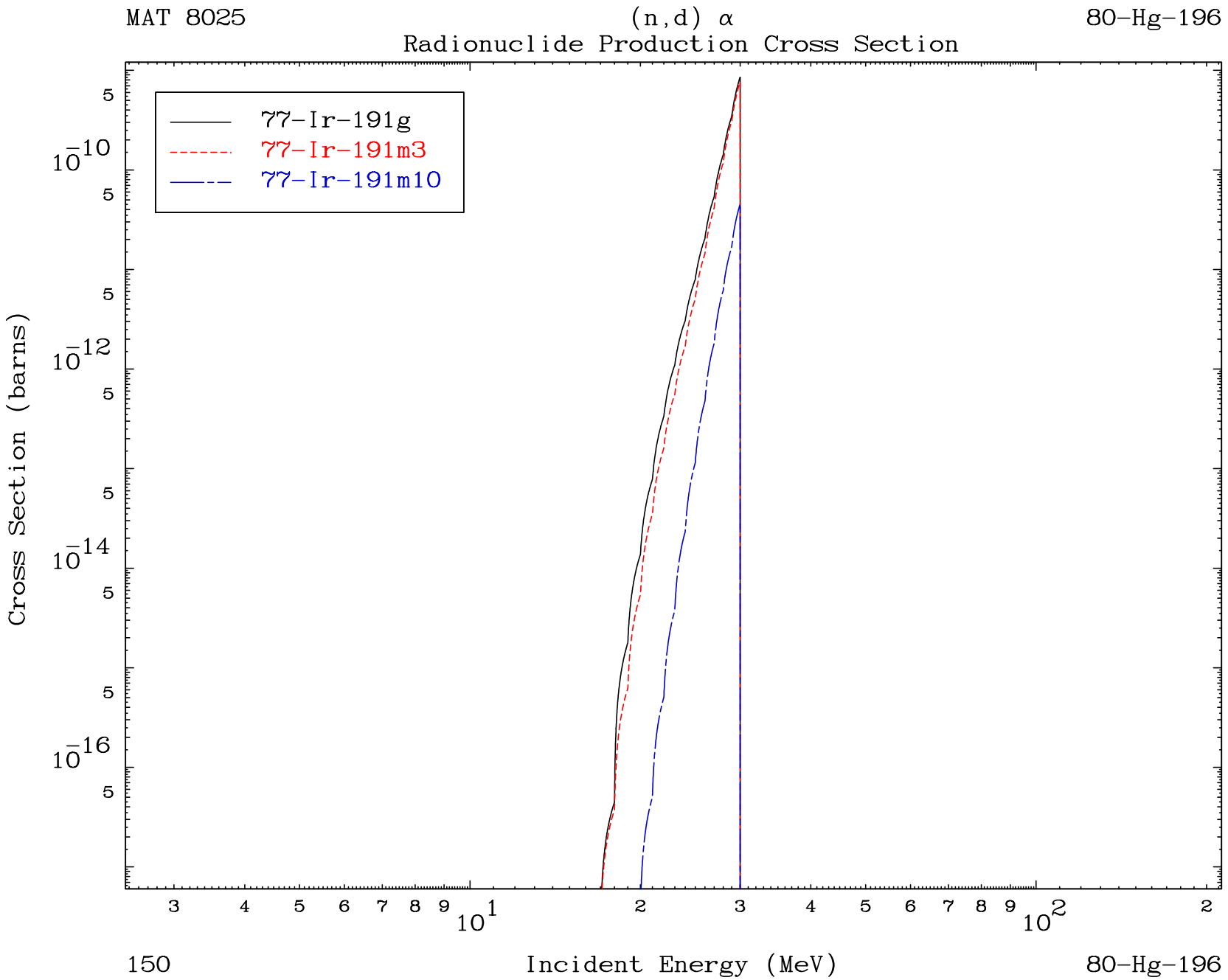

MAT 8025
(n,α)
80-Hg-196
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
145
80-Hg-196


MAT 8025
(n,2α)
80-Hg-196
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
146
80-Hg-196


MAT 8025
(n,2p)
80-Hg-196
Radionuclide Production Cross Section
78-Pt-195g
78-Pt-195m7
Cross Section (barns)
Incident Energy (MeV)
147
80-Hg-196


MAT 8025
(n,p) α
80-Hg-196
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
Incident Energy (MeV)
148
80-Hg-196


MAT 8025
(n,p) t
80-Hg-196
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
149
80-Hg-196


MAT 8025
(n,d) α
80-Hg-196
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
77-Ir-191m10
Cross Section (barns)
Incident Energy (MeV)
150
80-Hg-196