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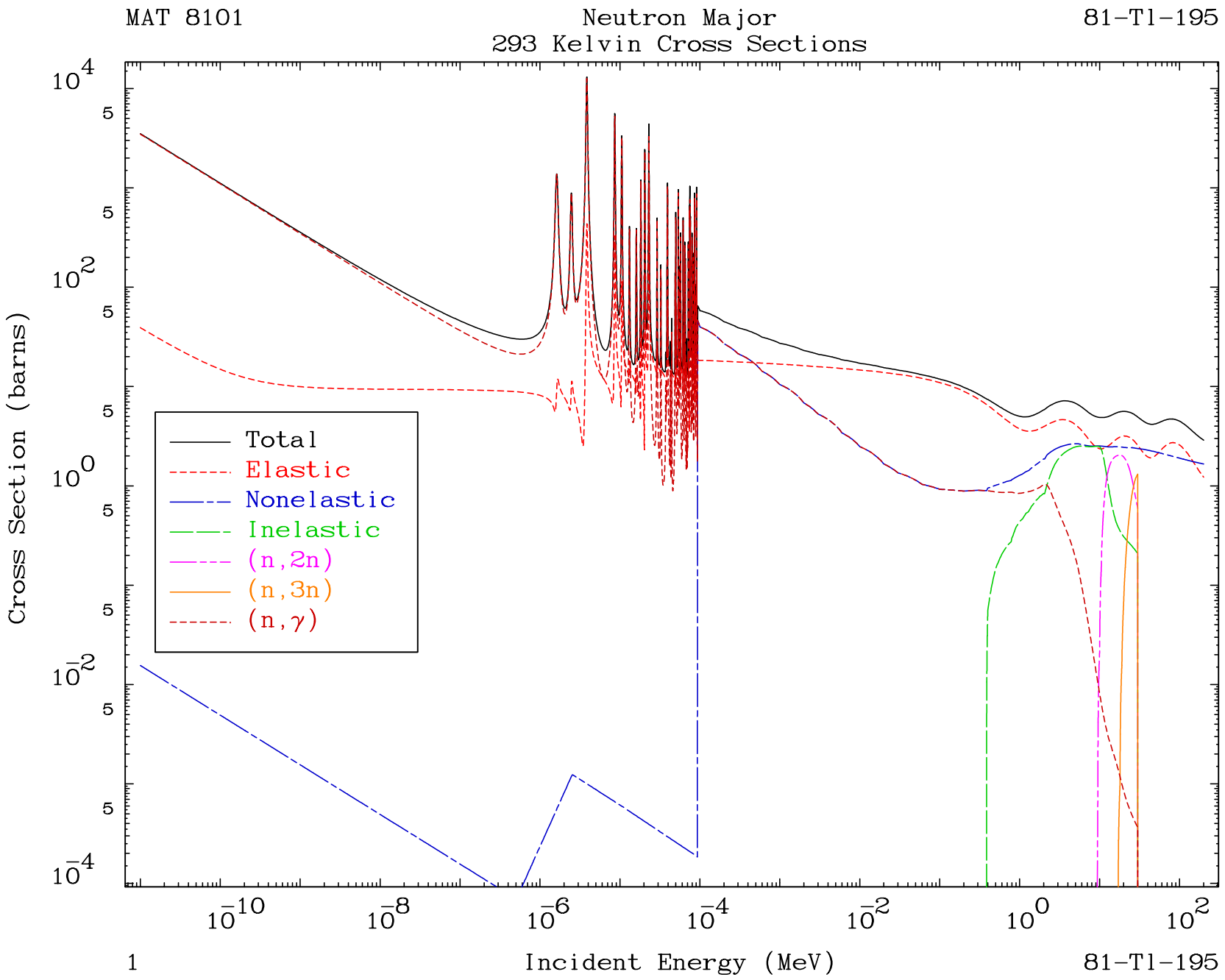
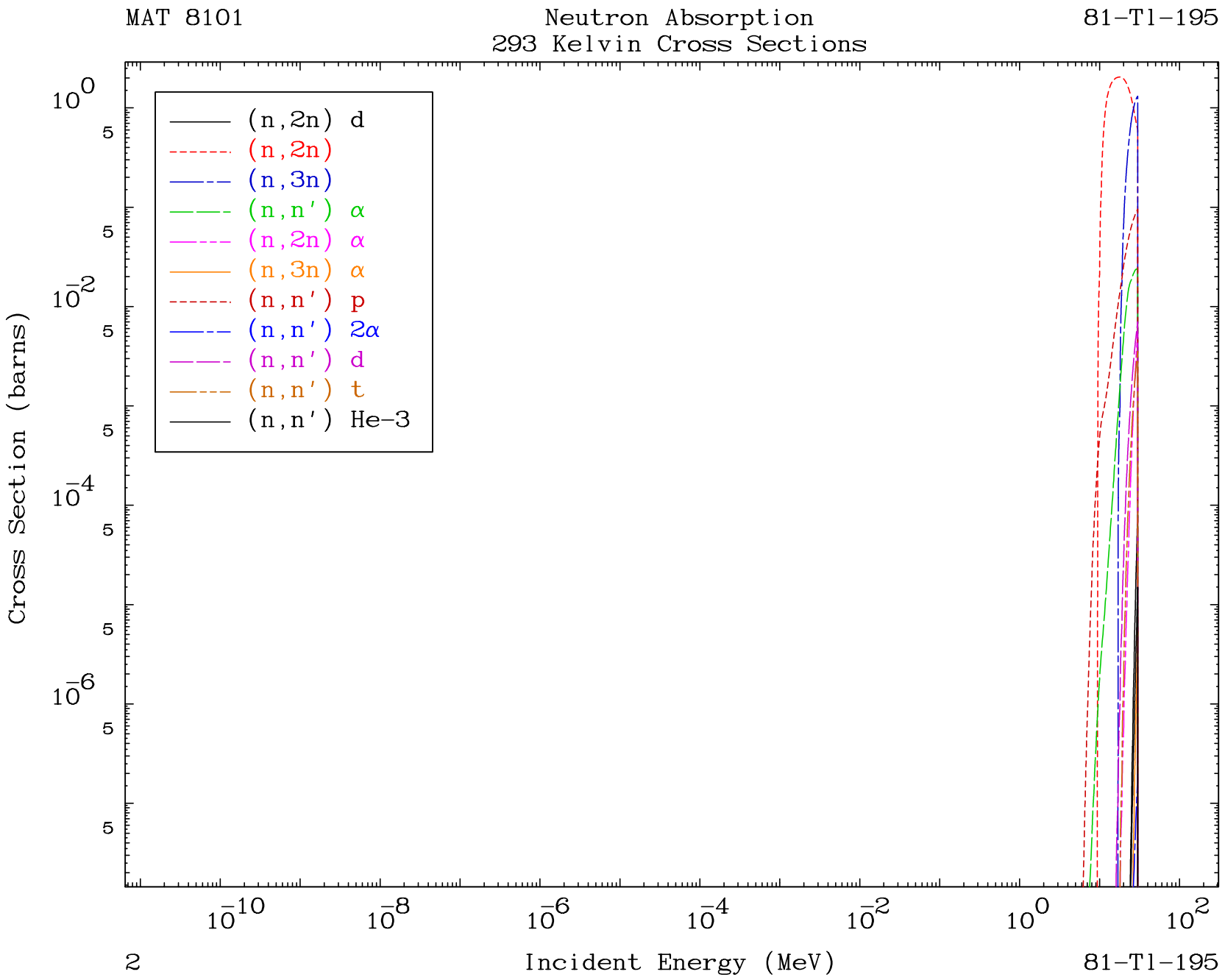
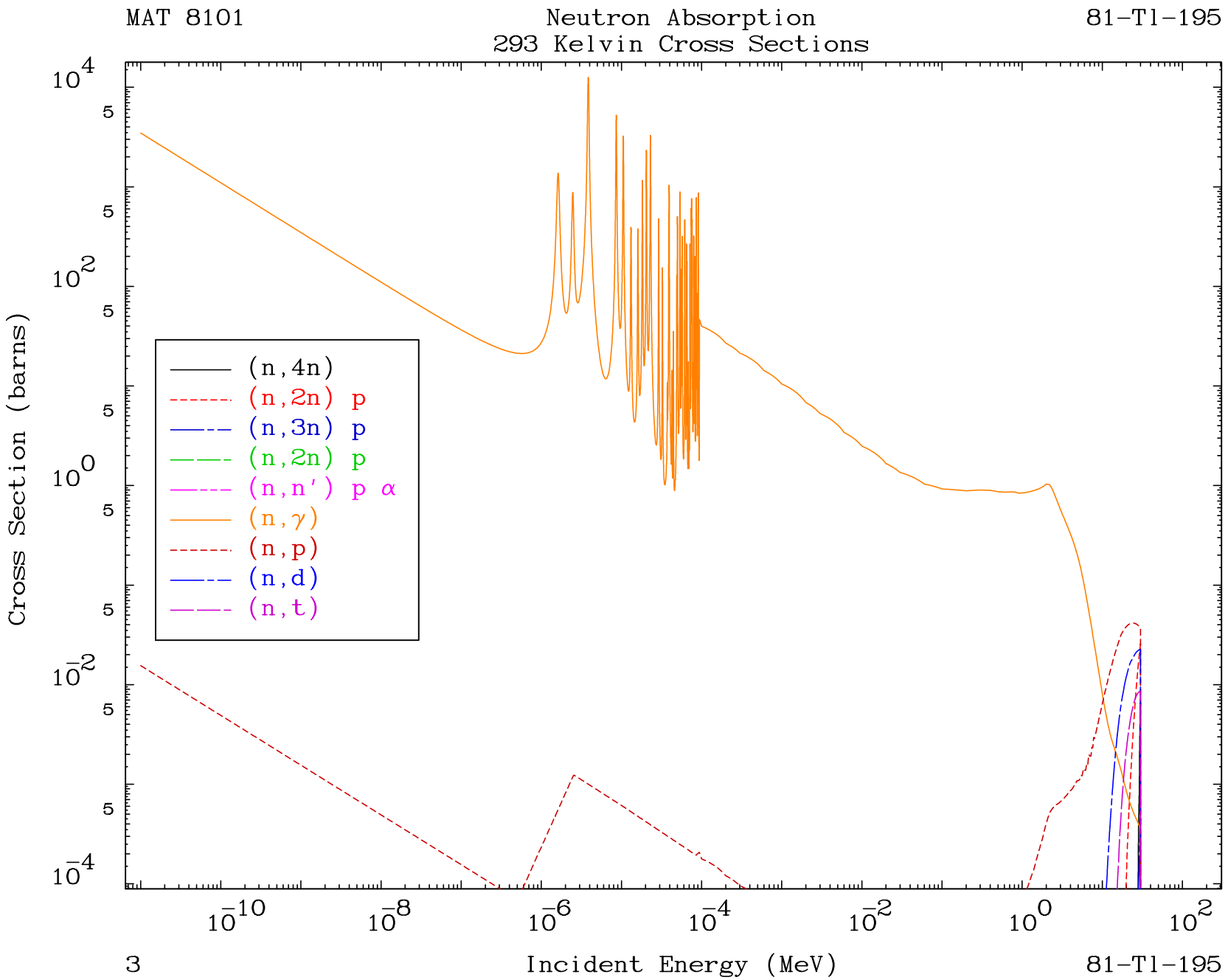
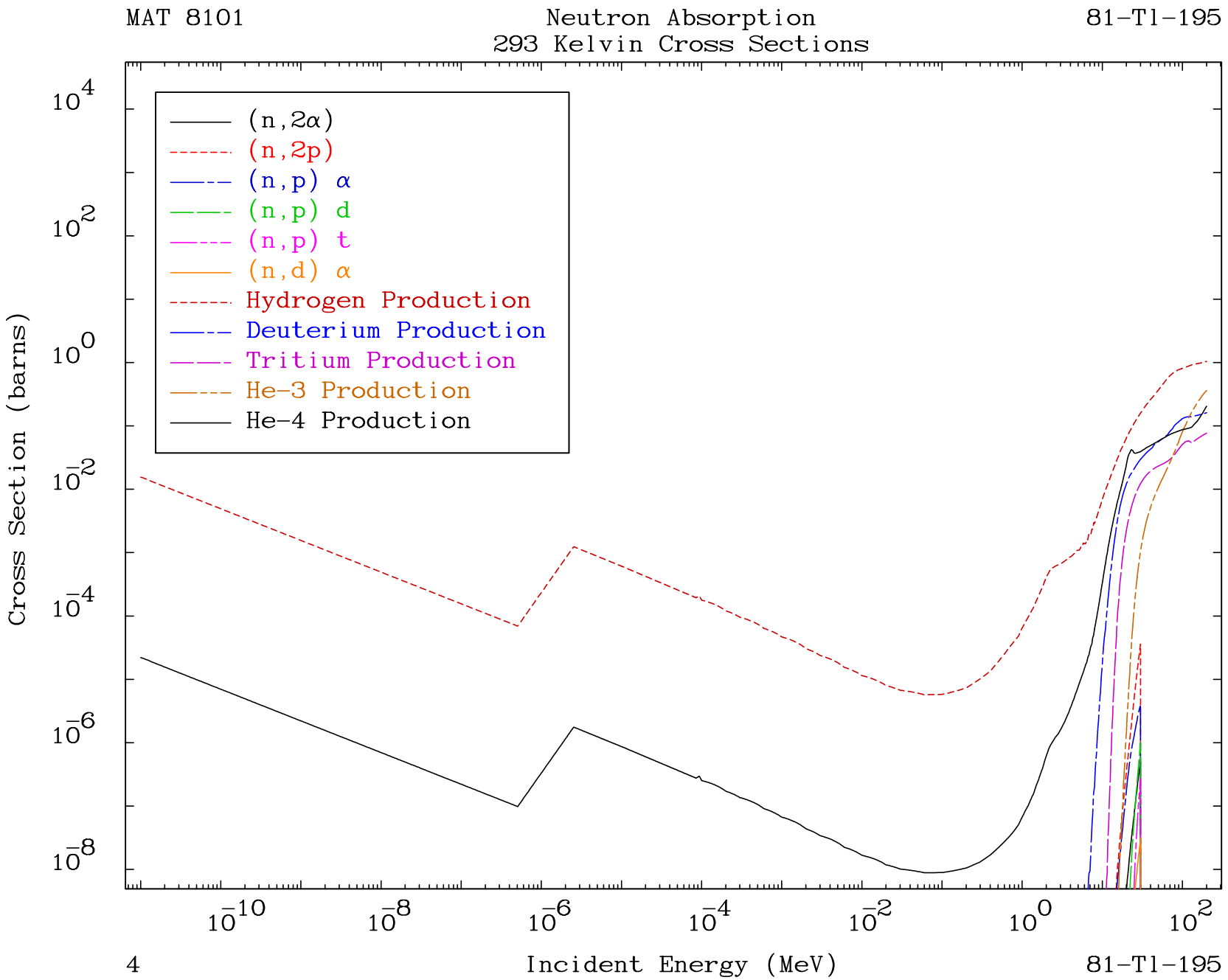
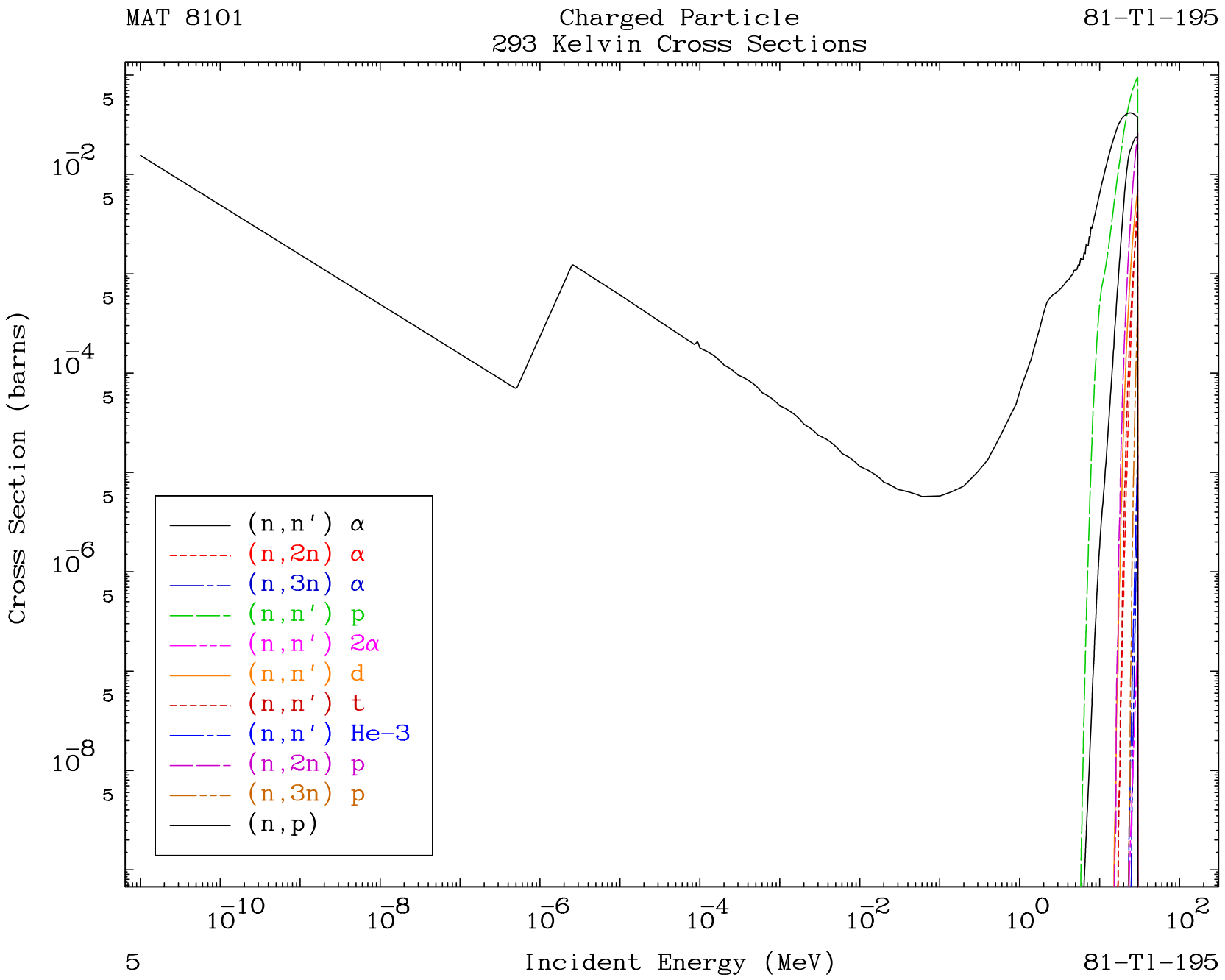
Press Mouse Button to Start

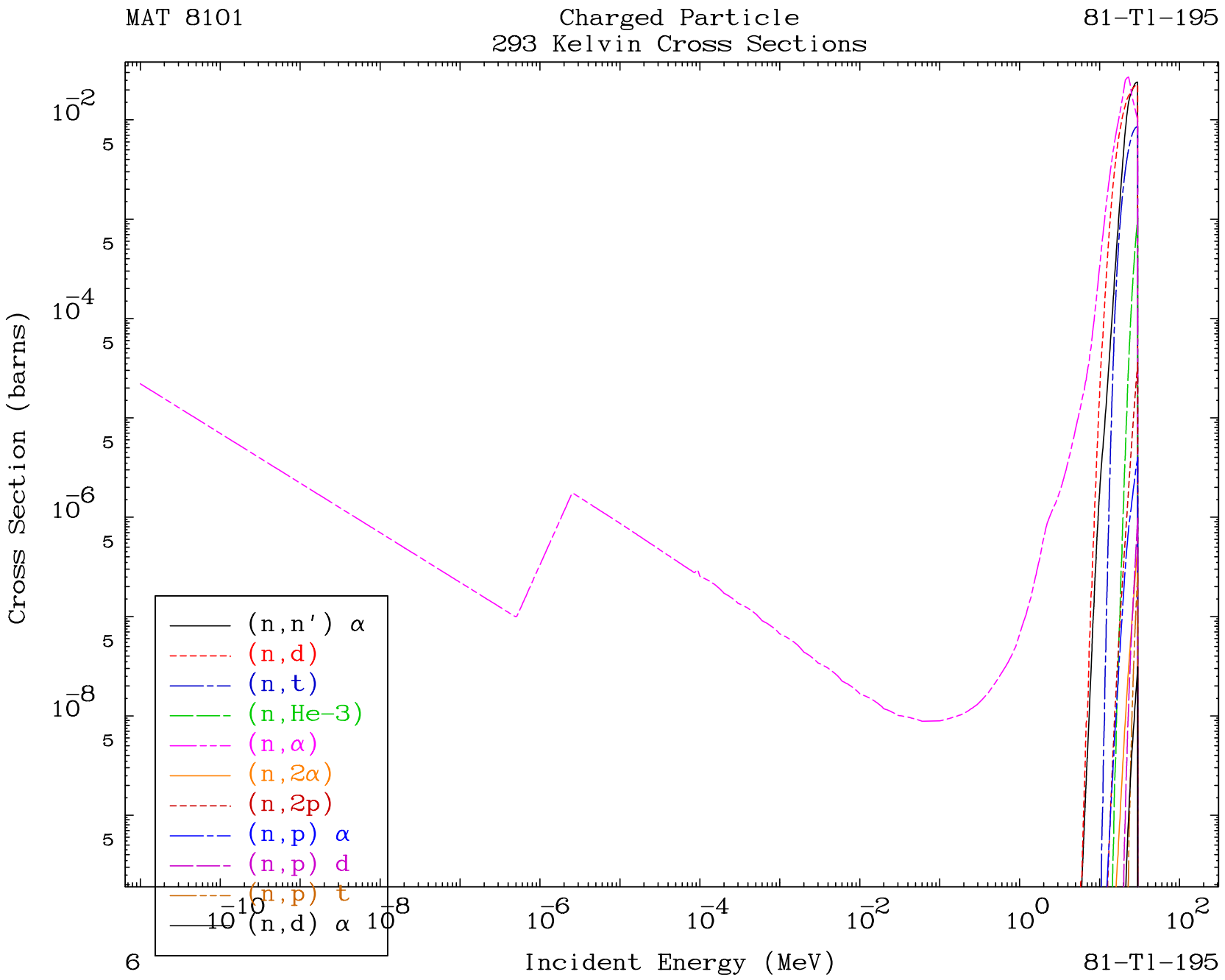

MAT 8101
Neutron Major
293 Kelvin Cross Sections
81-Tl-195
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
81-Tl-195

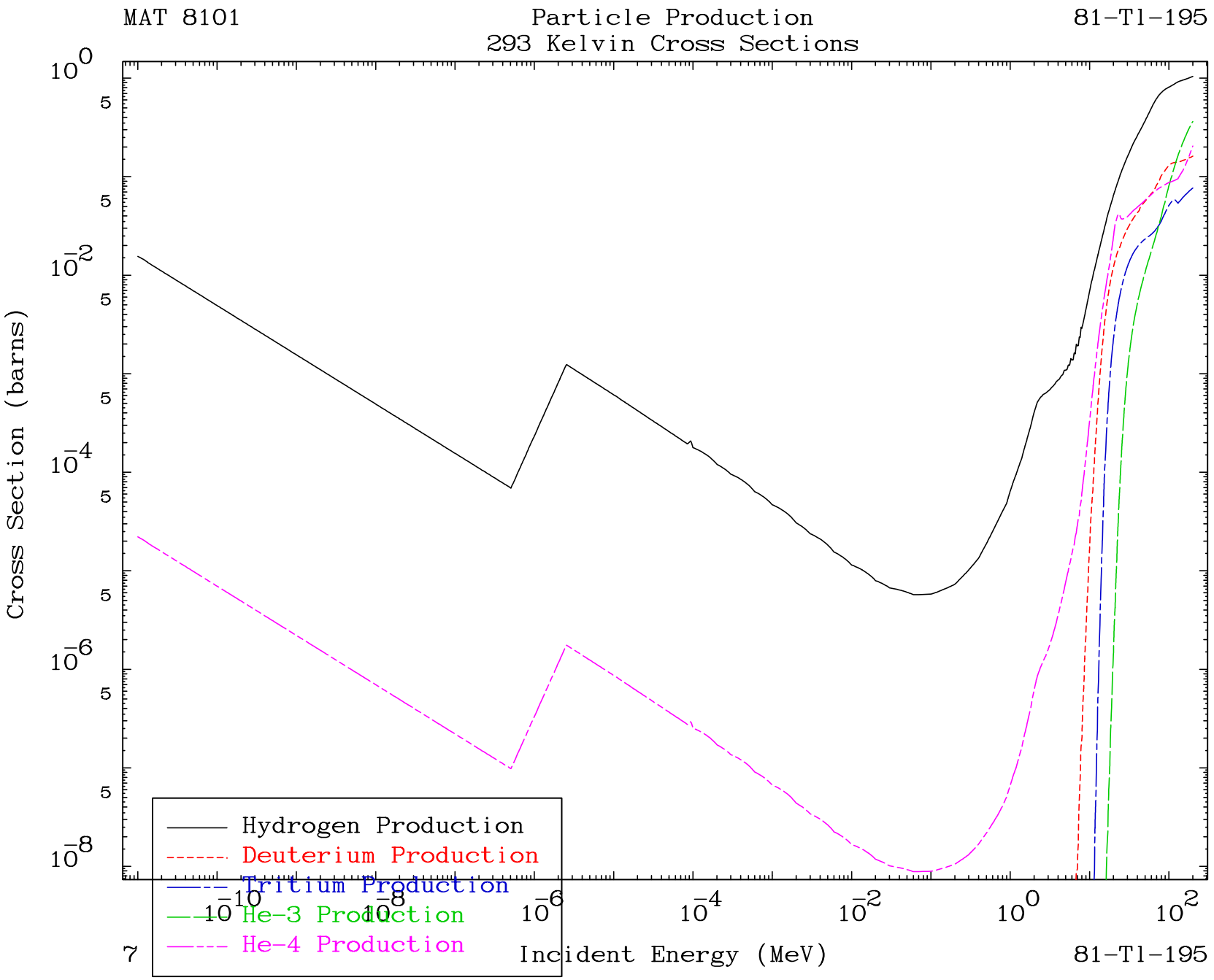

MAT 8101
Neutron Absorption
293 Kelvin Cross Sections
81-Tl-195
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
2
81-Tl-195

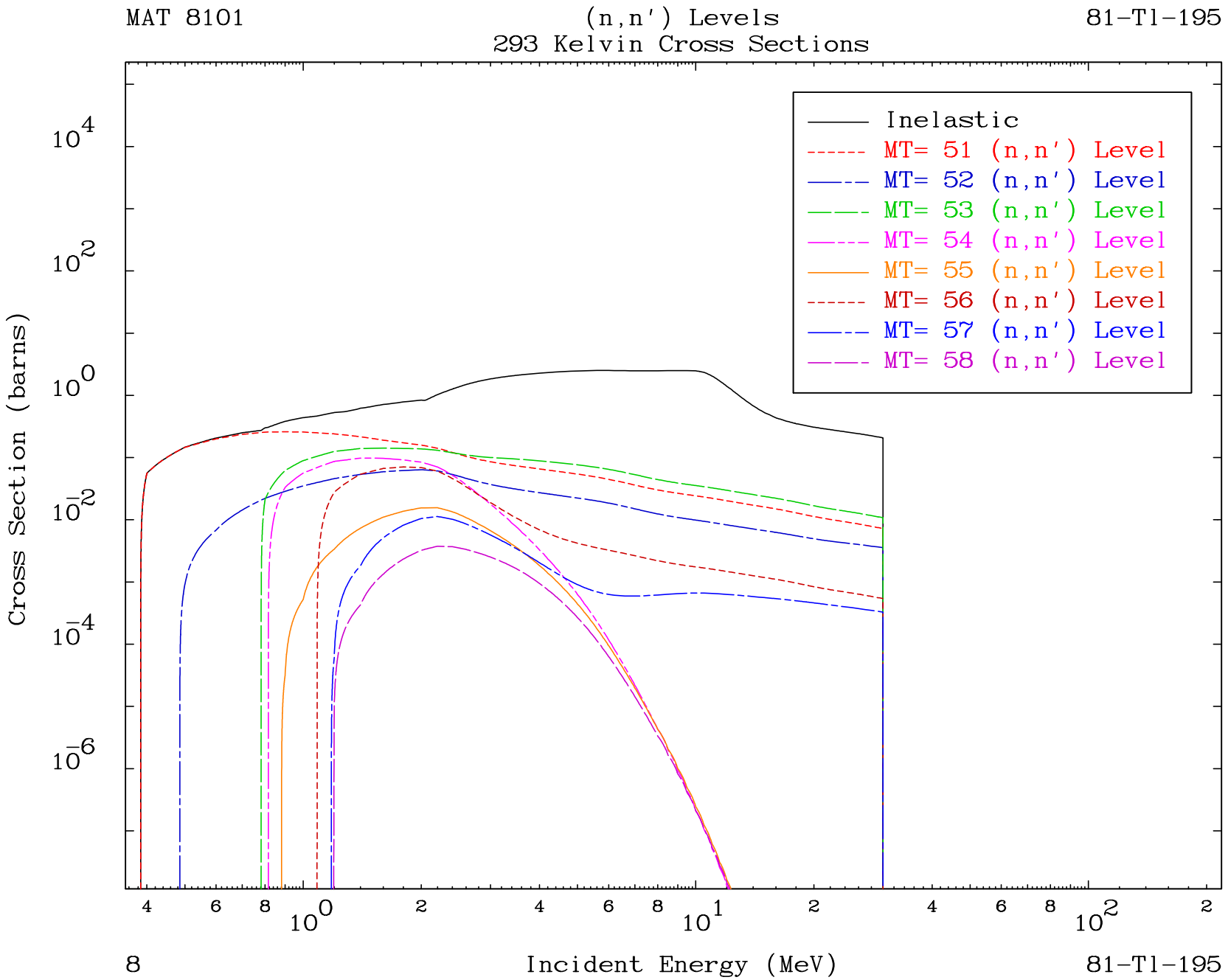

MAT 8101
Neutron Absorption
293 Kelvin Cross Sections
81-Tl-195
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
3
81-Tl-195

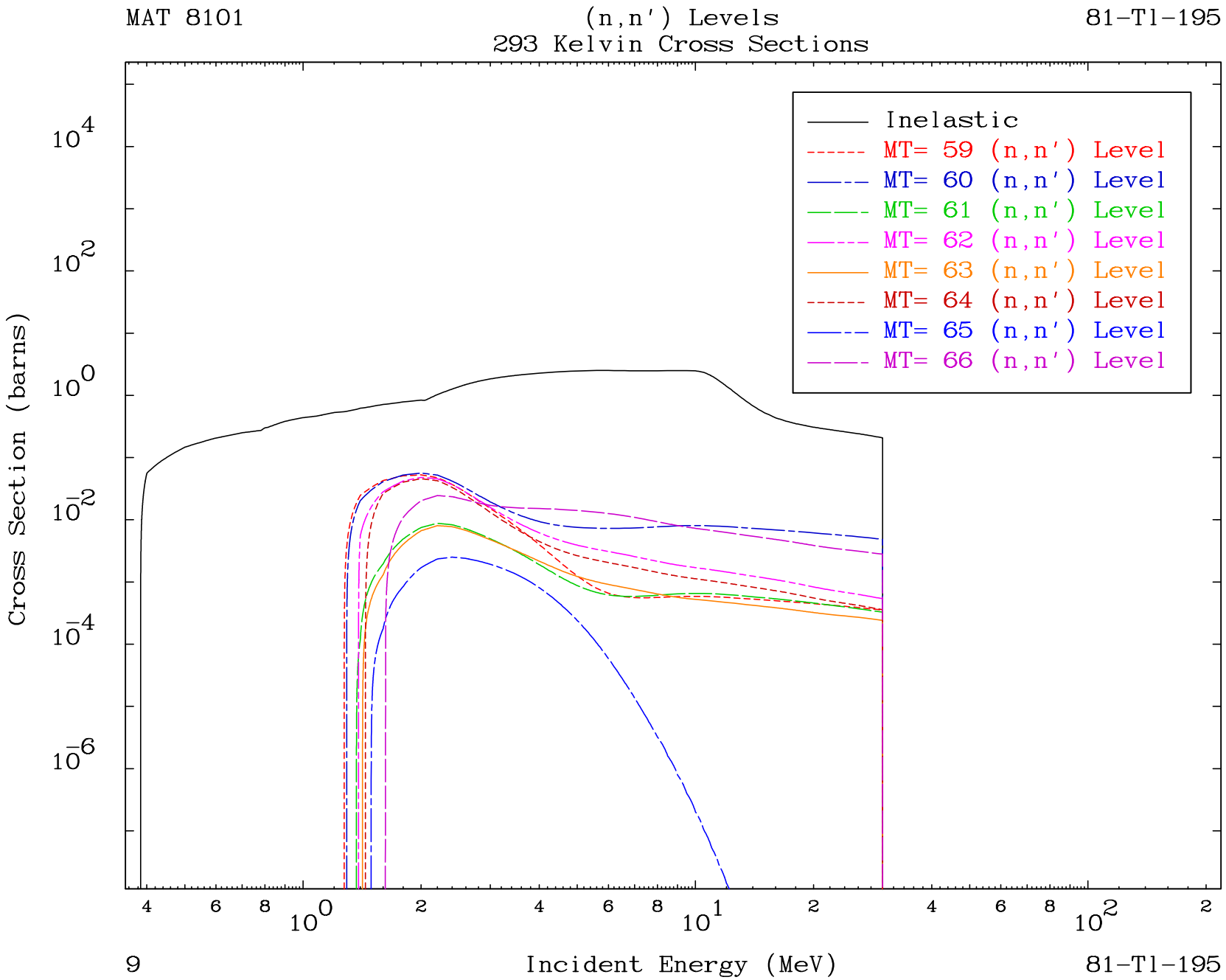

MAT 8101
Neutron Absorption
293 Kelvin Cross Sections
81-Tl-195
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
81-Tl-195

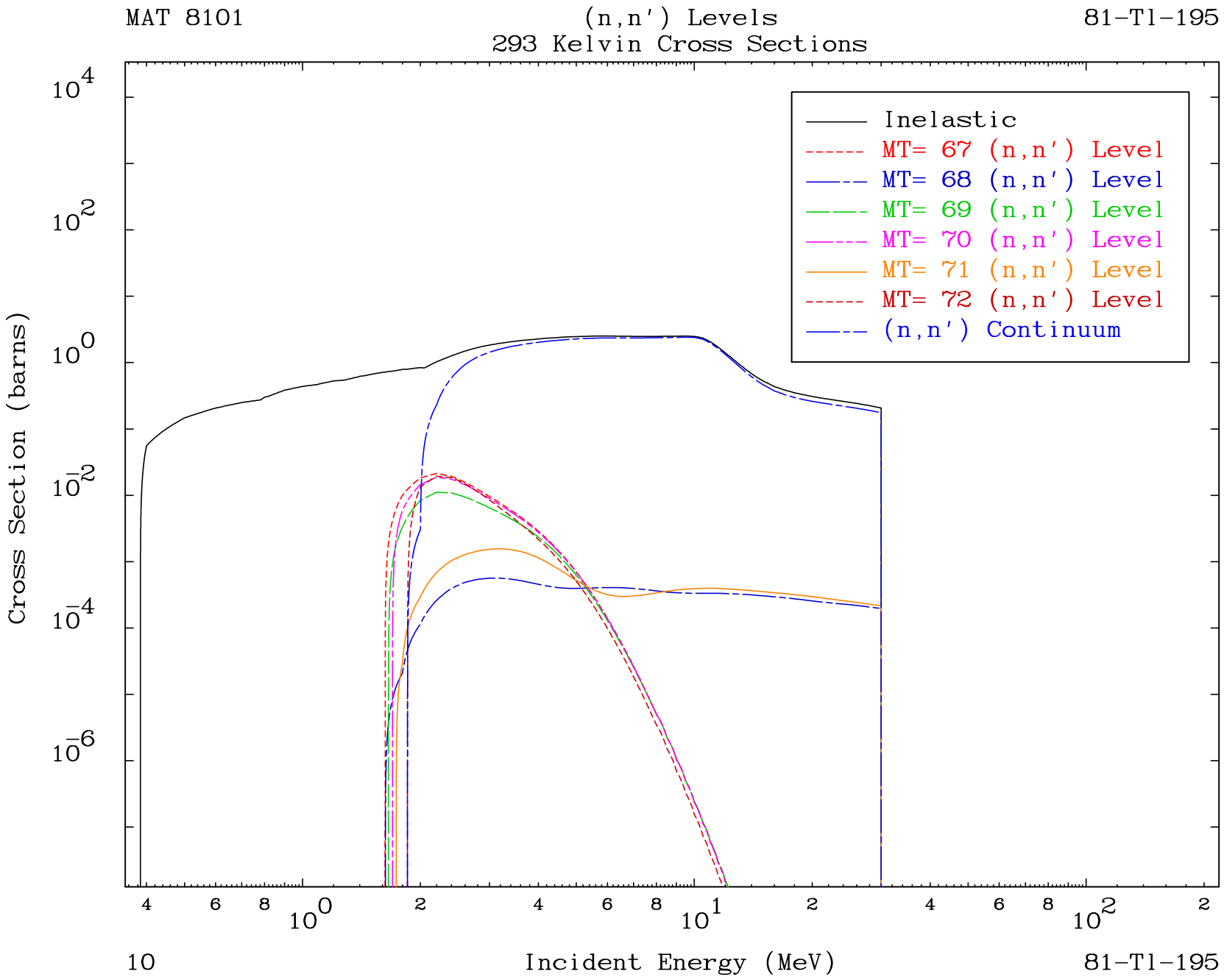

MAT 8101
Charged Particle
293 Kelvin Cross Sections
81-Tl-195
Cross Section (barns)
Incident Energy (MeV)
81-Tl-195
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

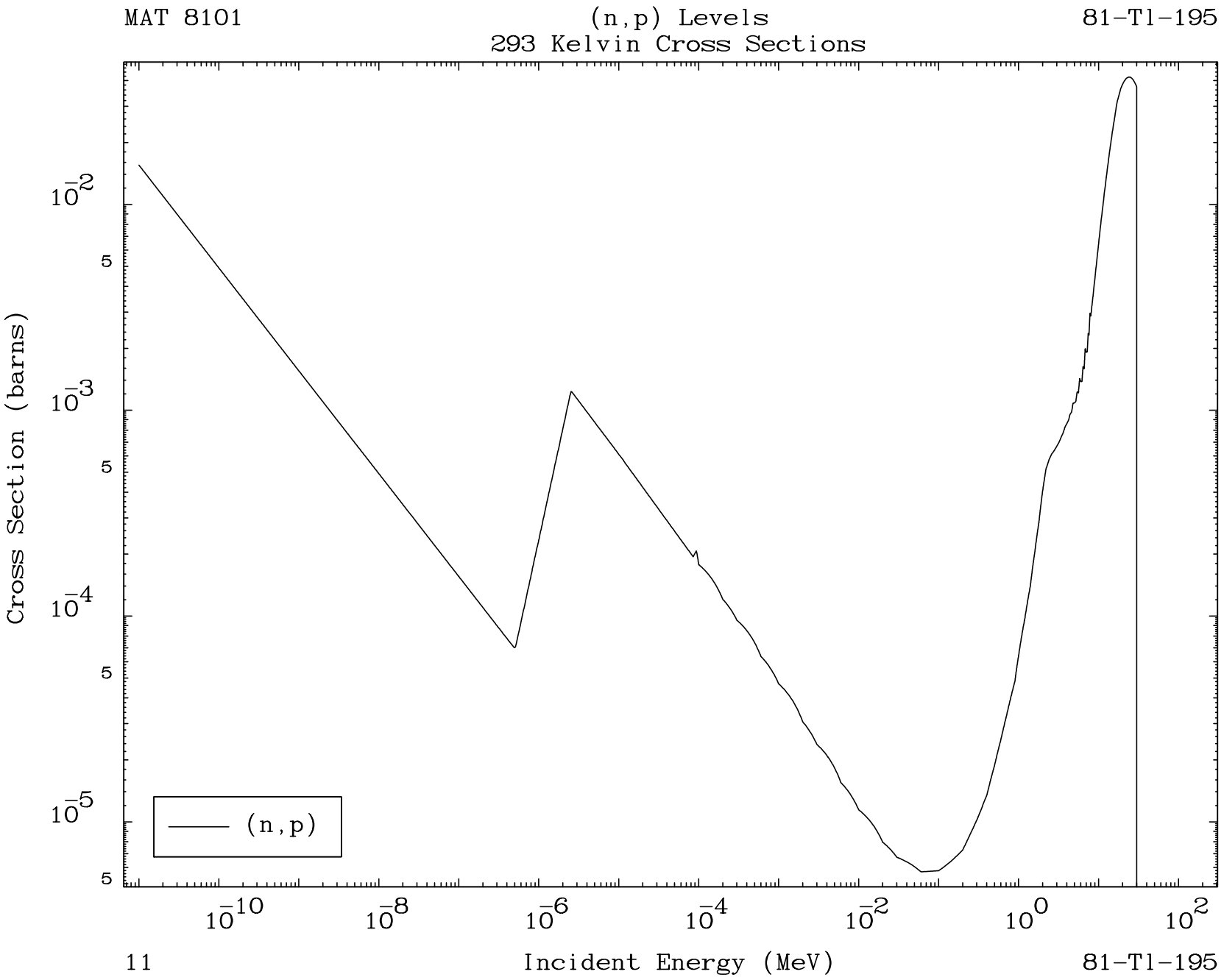

MAT 8101
Charged Particle
293 Kelvin Cross Sections
81-Tl-195
Cross Section (barns)
Incident Energy (MeV)
81-Tl-195
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α

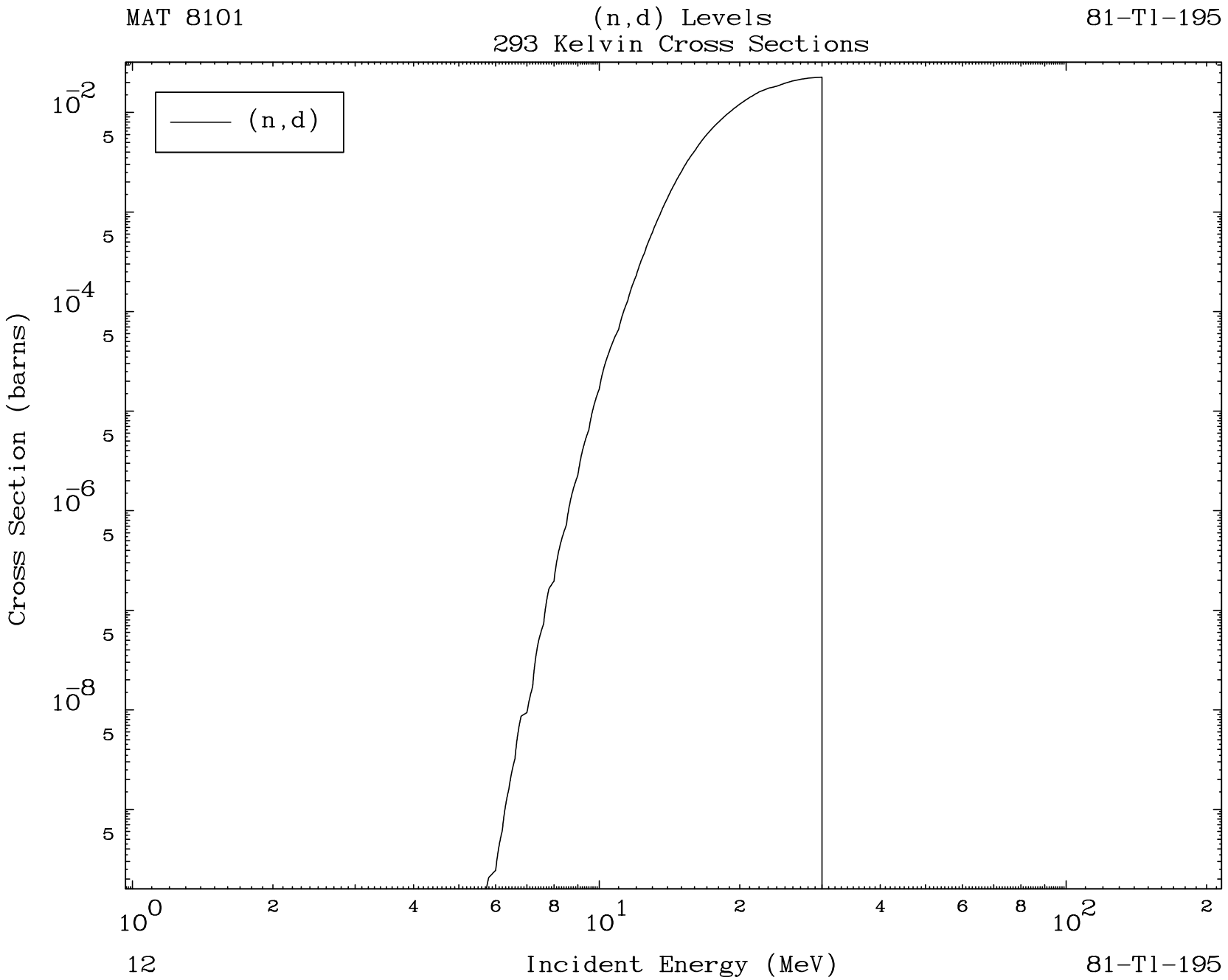

MAT 8101
Particle Production
293 Kelvin Cross Sections
81-Tl-195
Cross Section (barns)
Incident Energy (MeV)
81-Tl-195
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

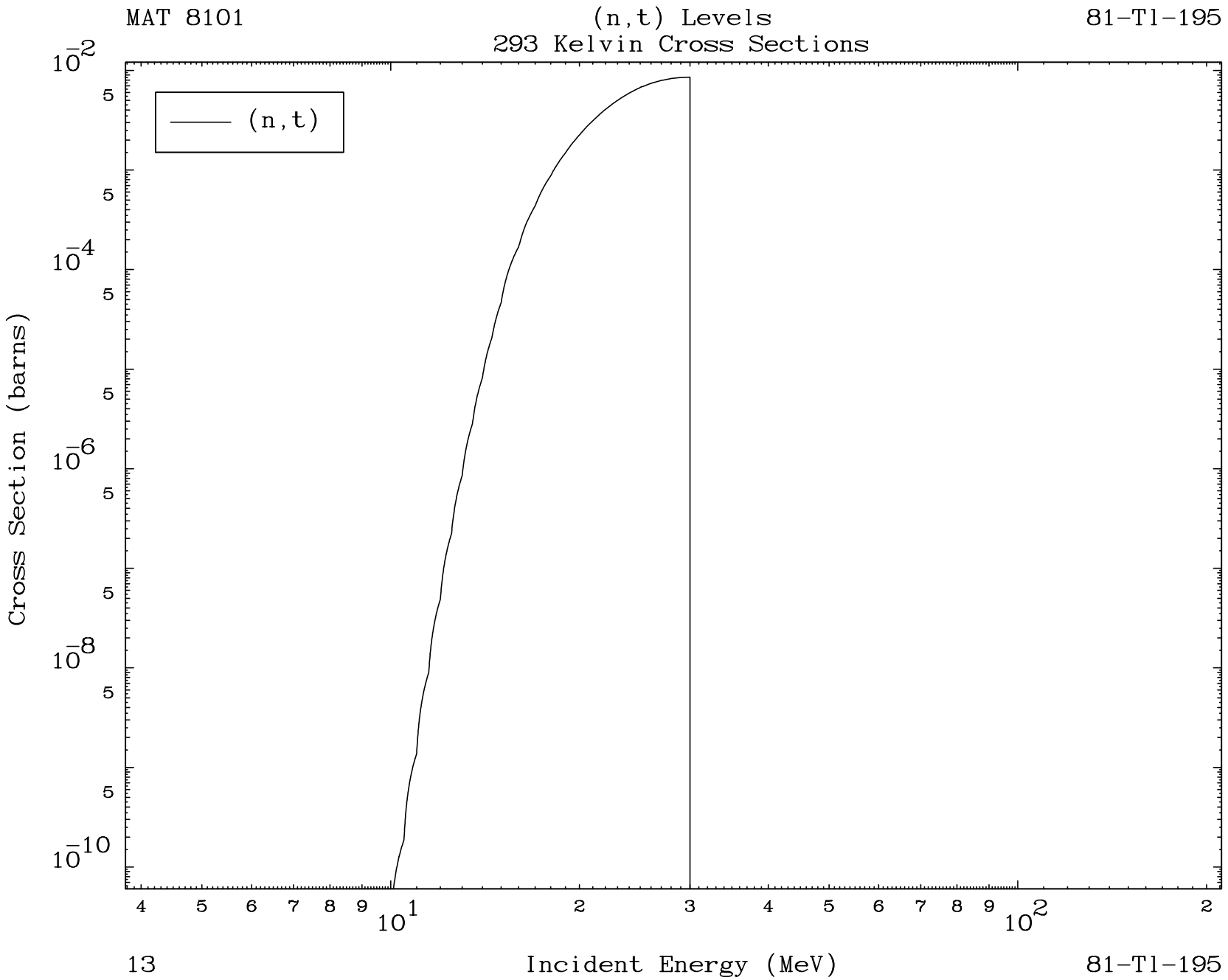

MAT 8101
(n,n') Levels
293 Kelvin Cross Sections
81-Tl-195
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
81-Tl-195

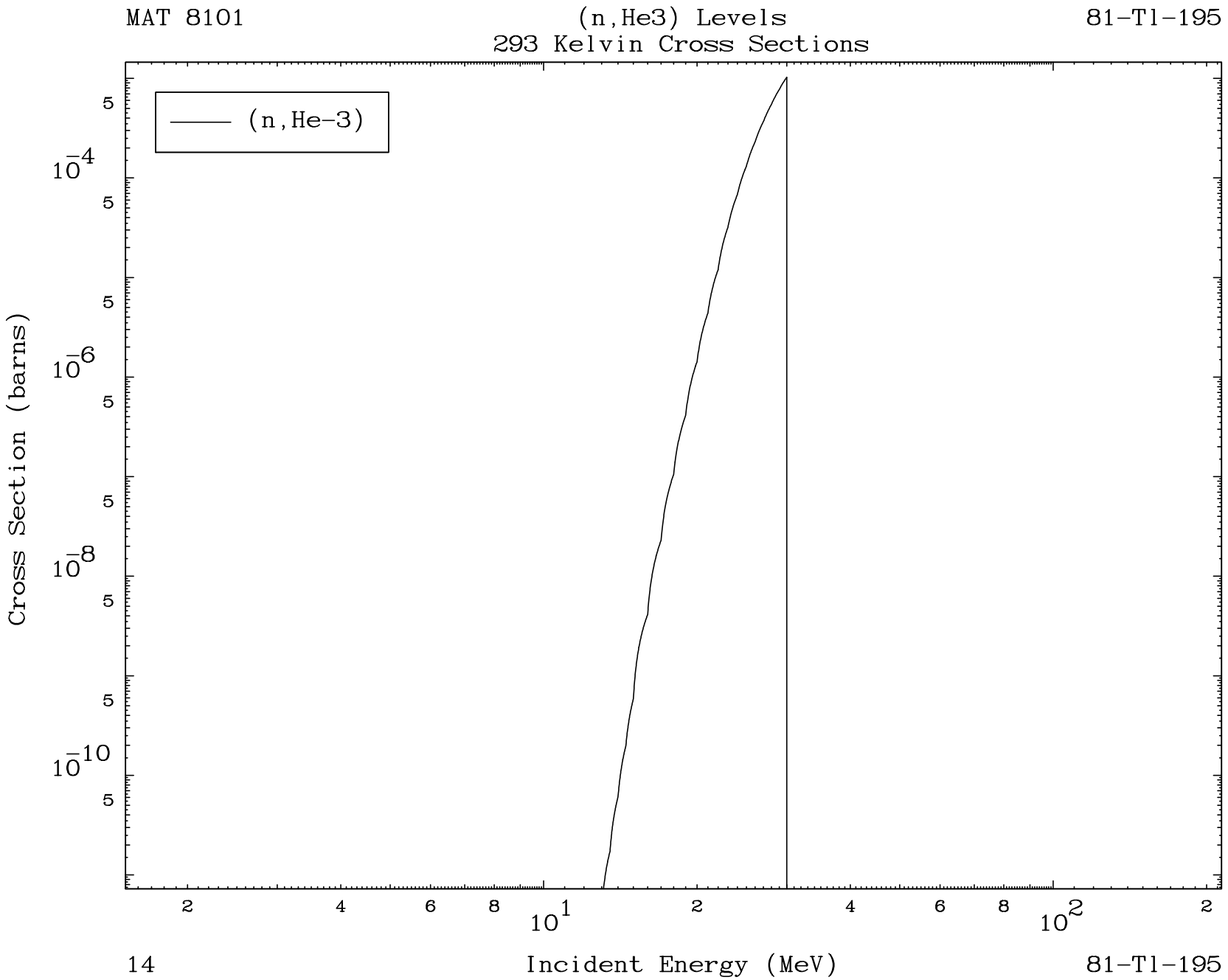

MAT 8101
(n,n') Levels
293 Kelvin Cross Sections
81-Tl-195
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
81-Tl-195

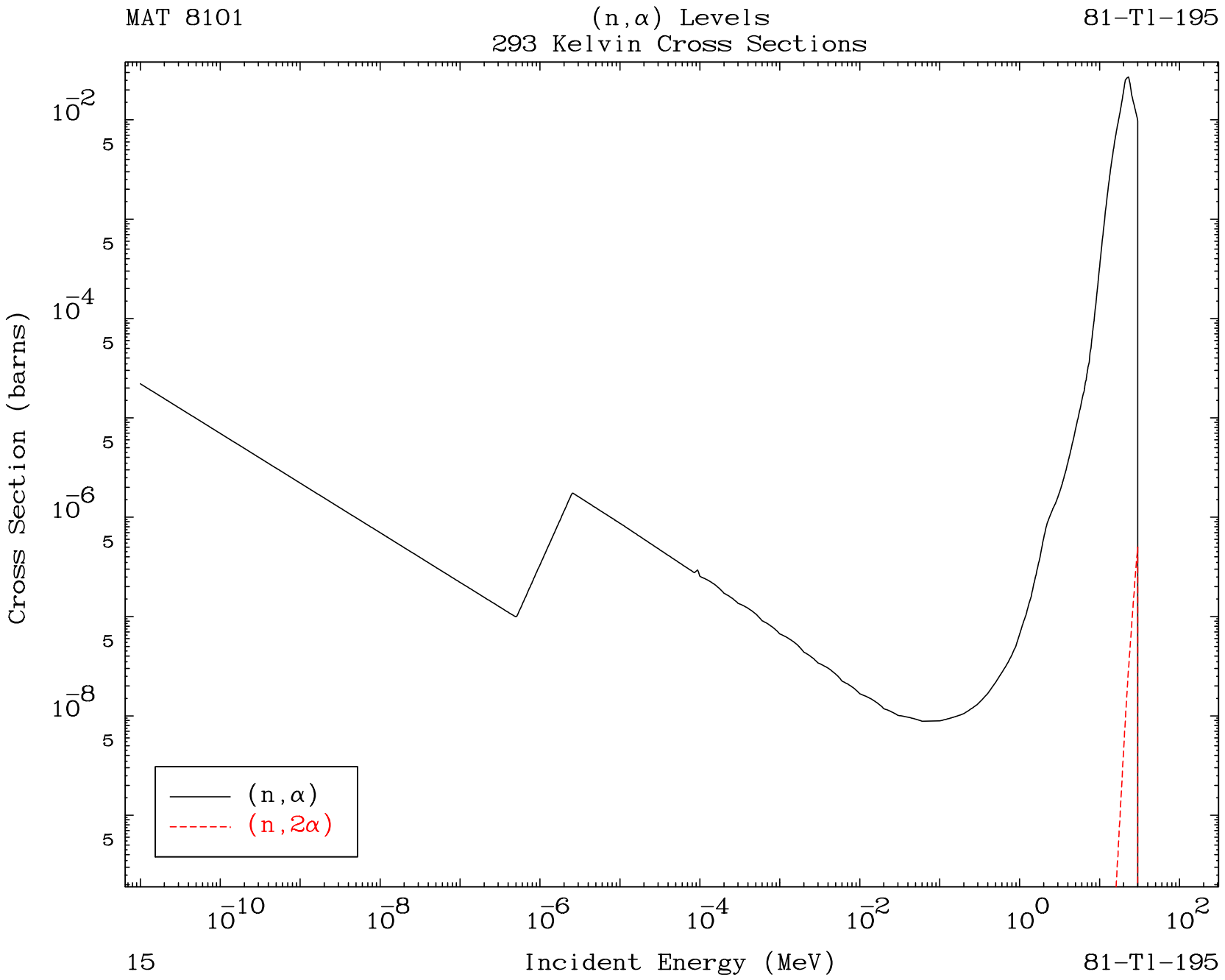

MAT 8101
(n,n') Levels
293 Kelvin Cross Sections
81-Tl-195
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
81-Tl-195

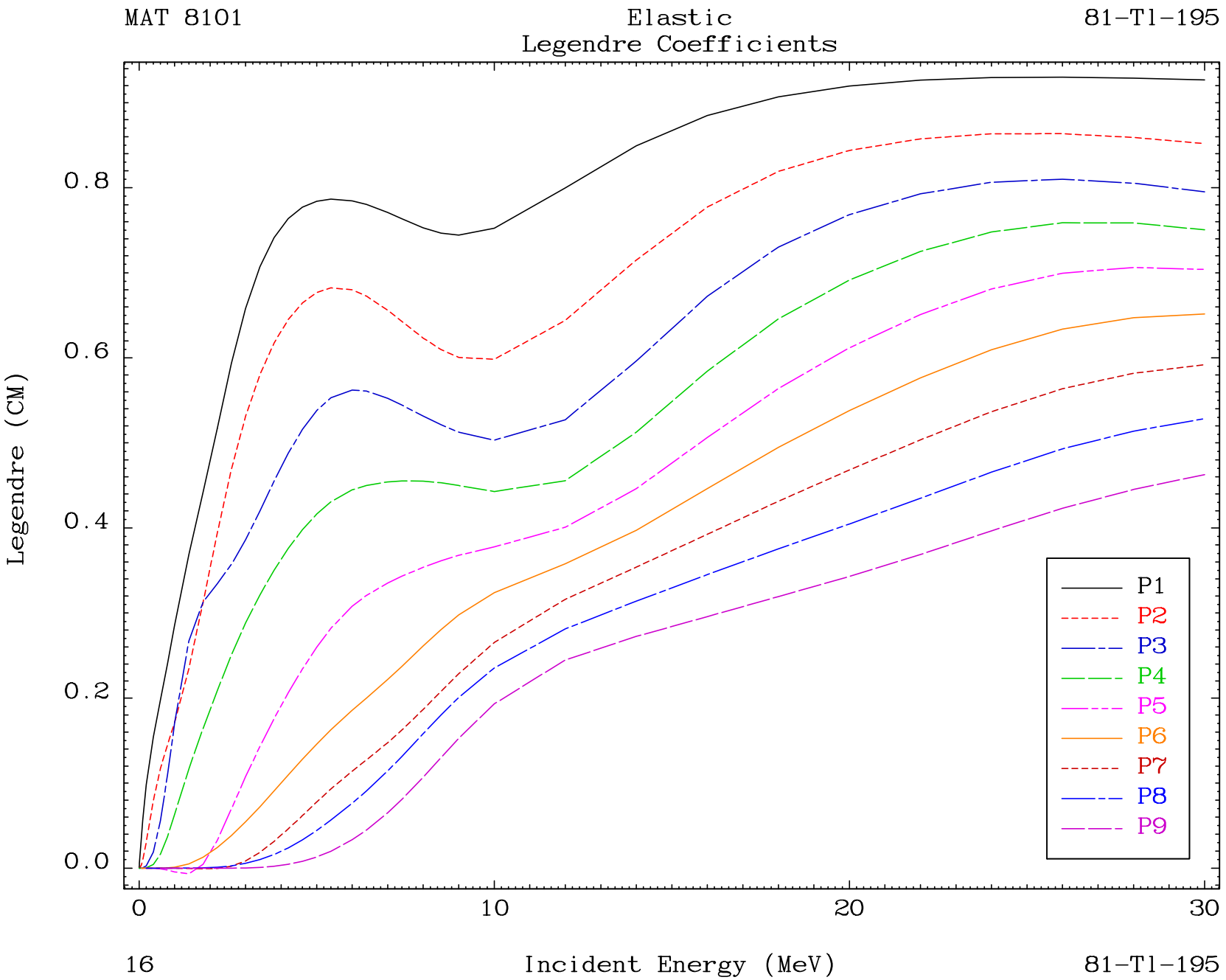

MAT 8101
(n,p) Levels
81-Tl-195
293 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
(n,p)
10-10
10-8
10-6
10-4
10-2
100
102
11
Incident Energy (MeV)
81-Tl-195

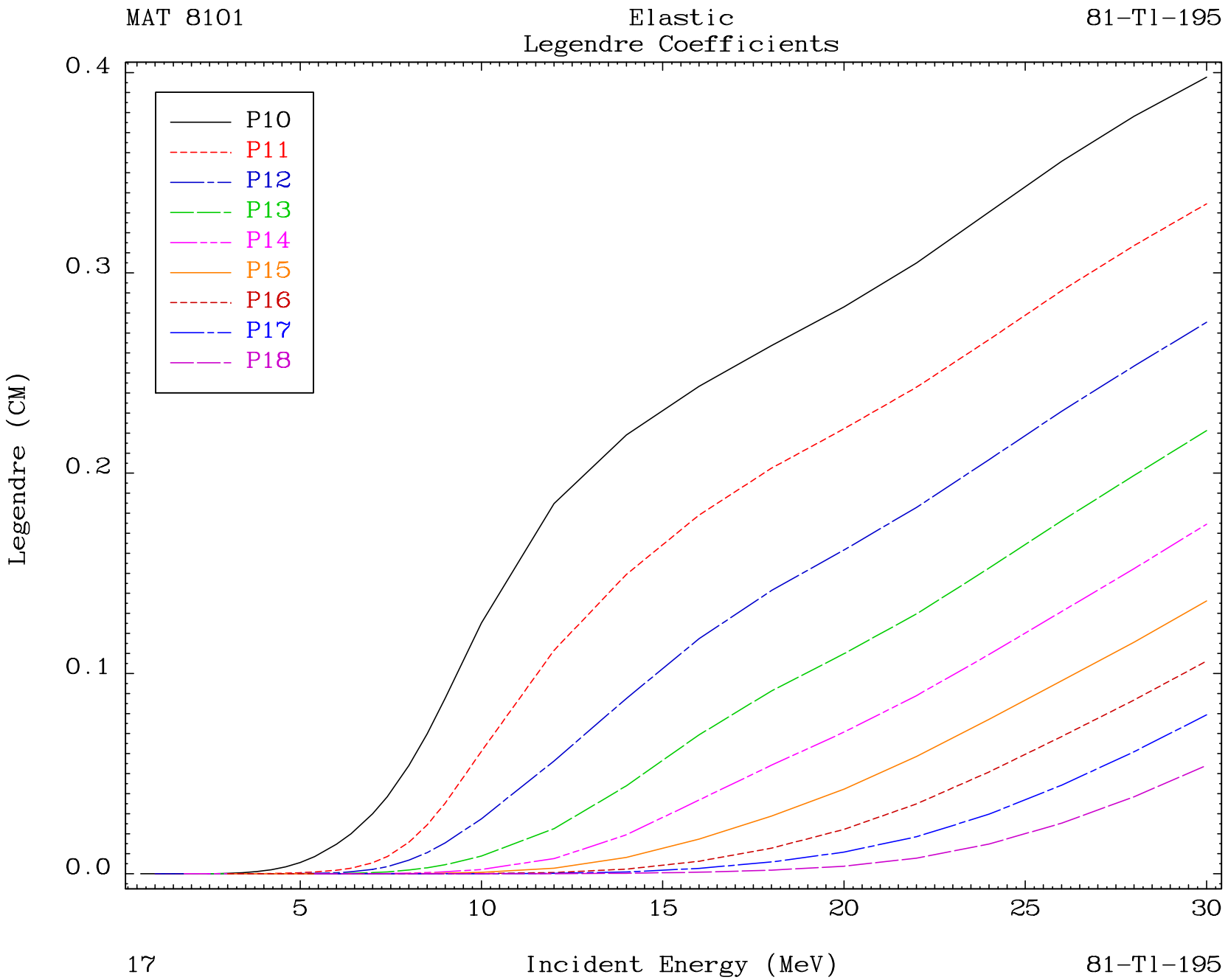

MAT 8101
(n,d) Levels
81-Tl-195
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
81-Tl-195

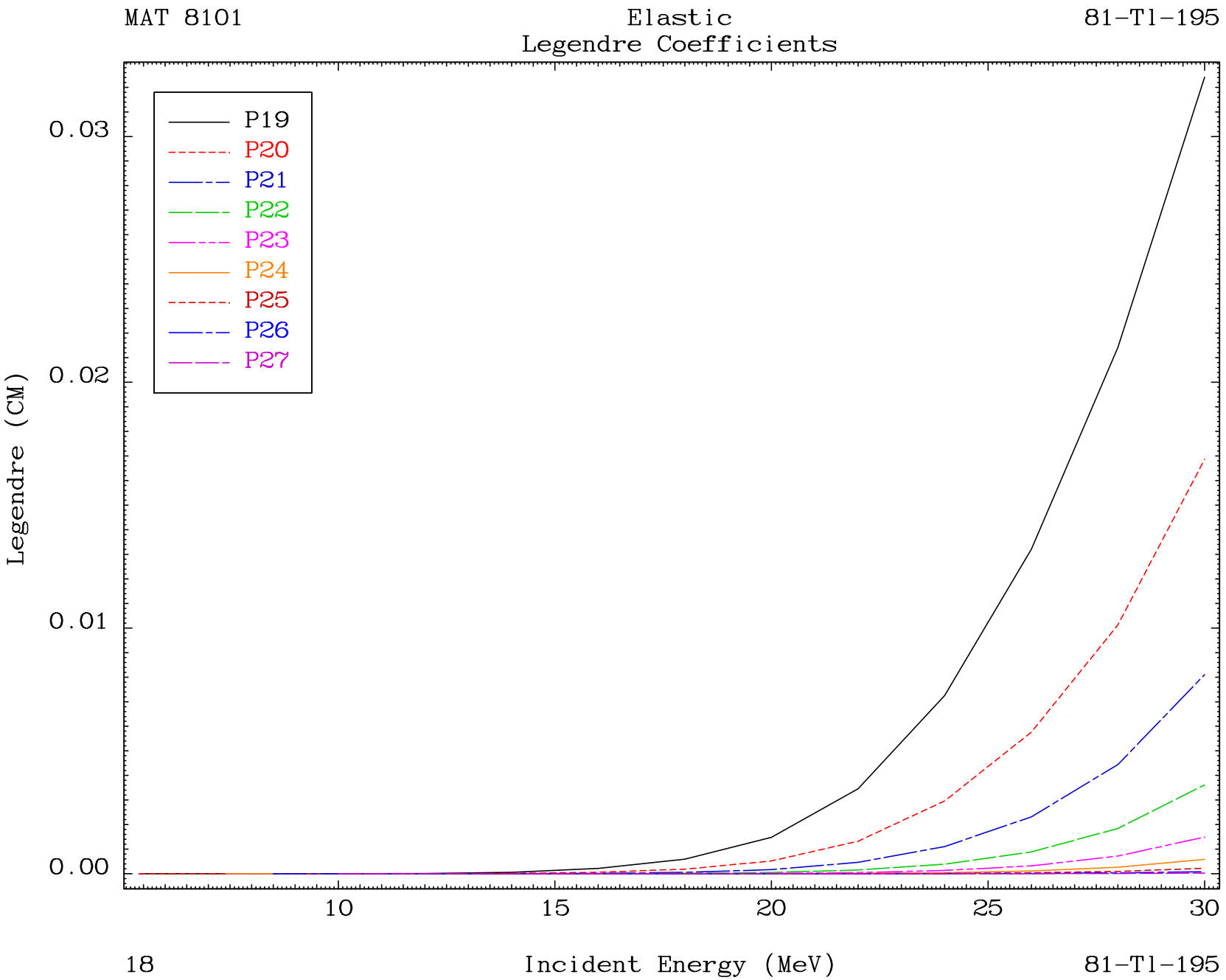

MAT 8101
(n,t) Levels
81-Tl-195
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
81-Tl-195

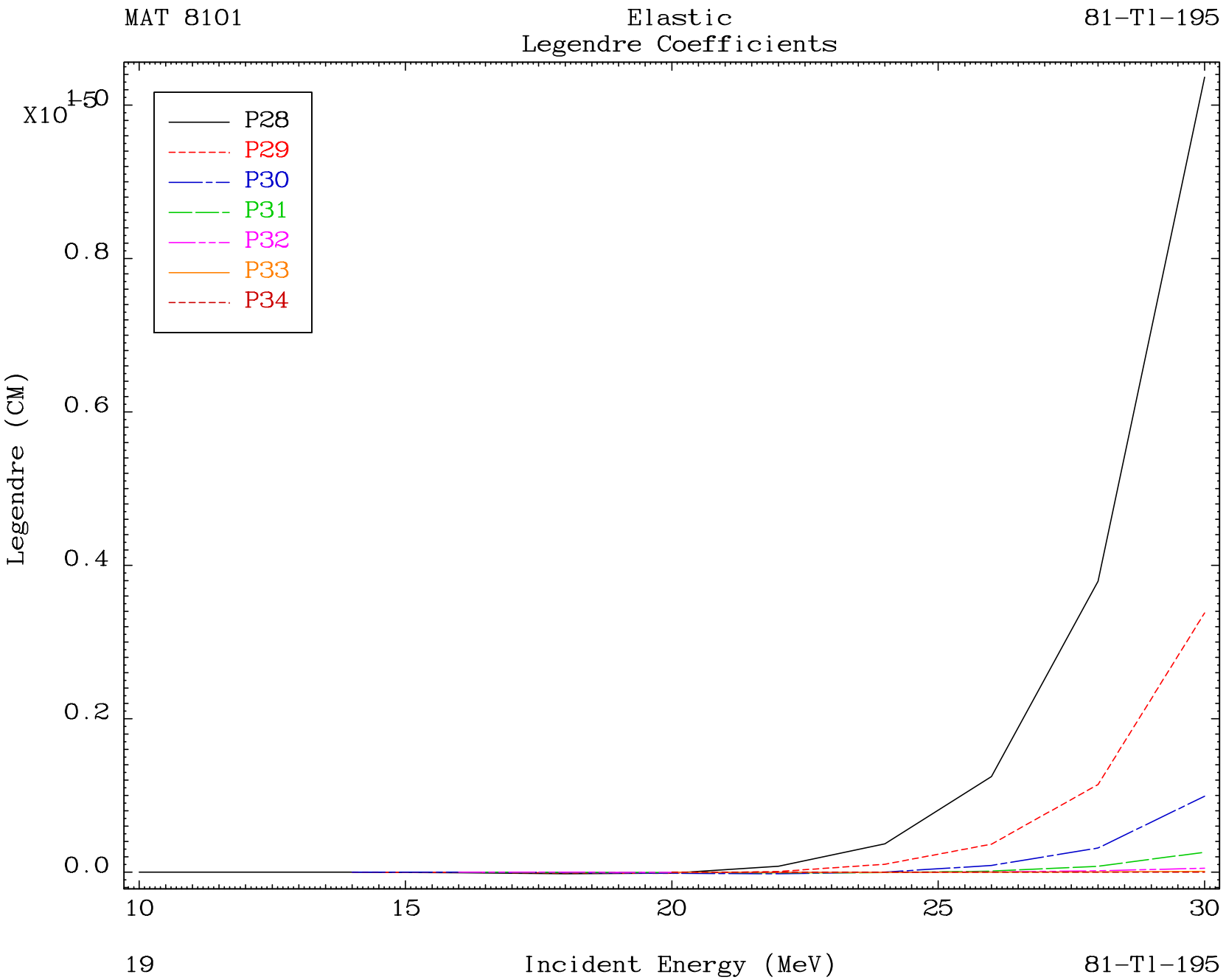

MAT 8101
(n,He3) Levels
81-Tl-195
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
101
102
Incident Energy (MeV)
14
81-Tl-195

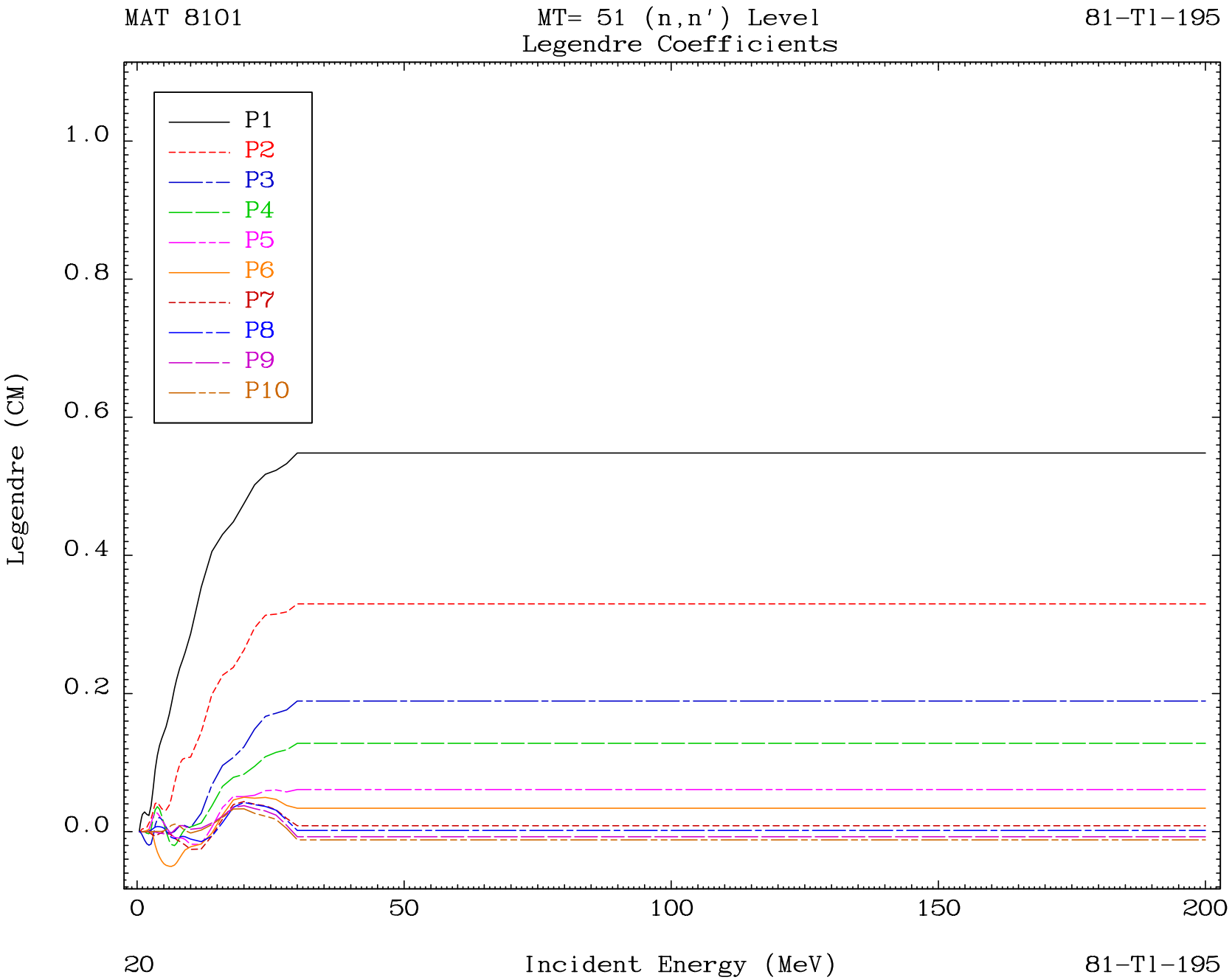

MAT 8101
(n,α) Levels
81-Tl-195
293 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
15
Incident Energy (MeV)
81-Tl-195

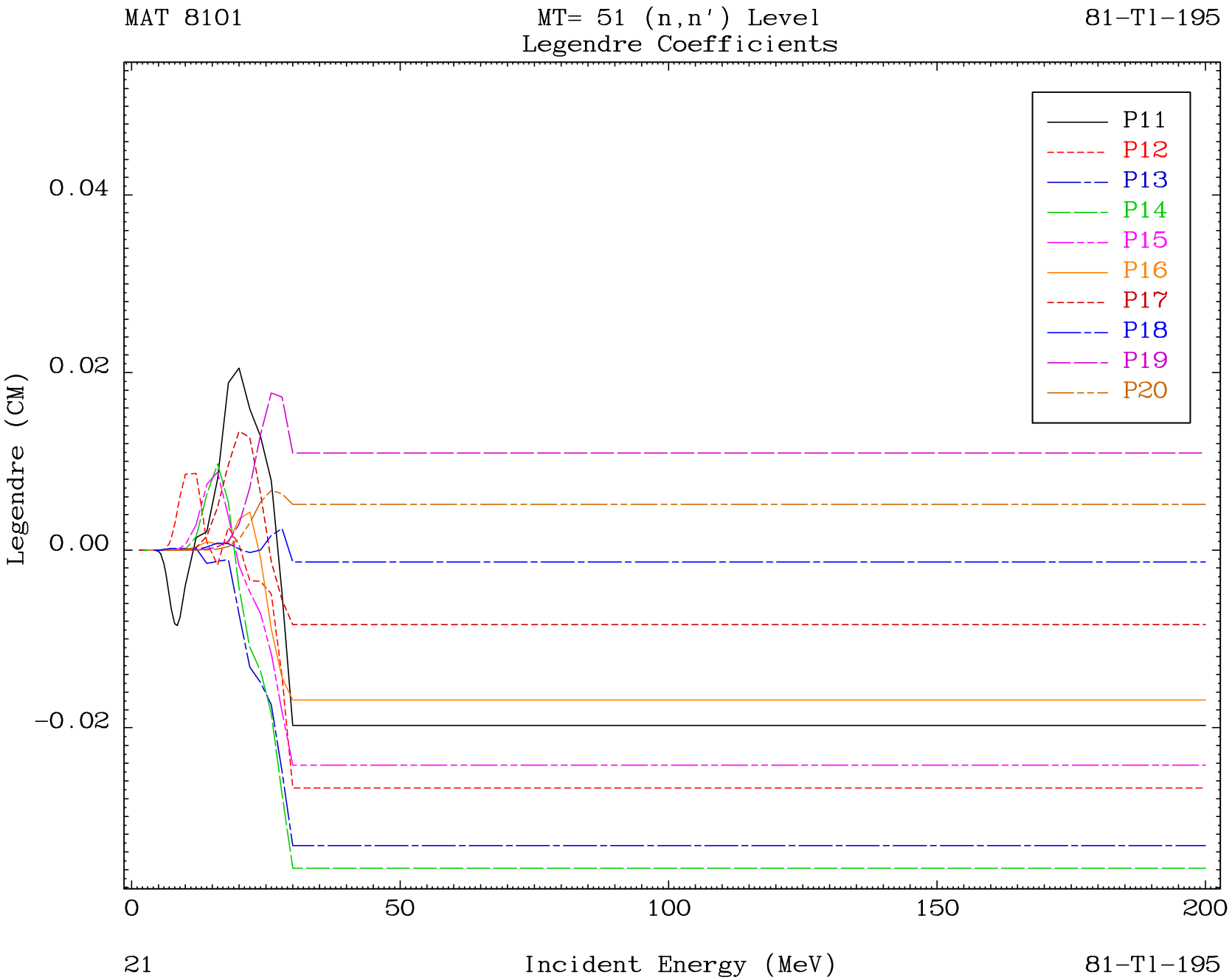

MAT 8101
Elastic
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9

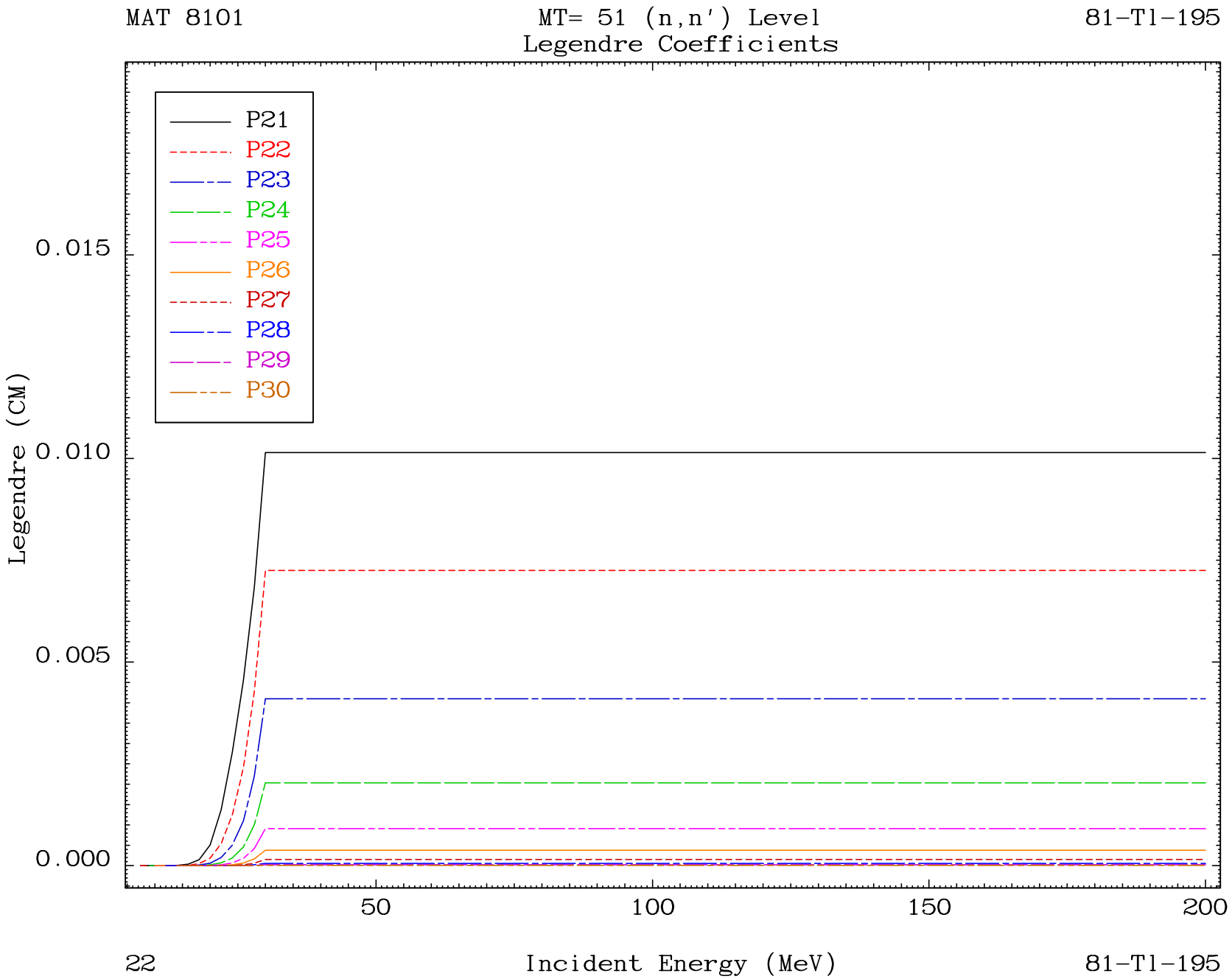

MAT 8101
Elastic
Legendre Coefficients
81-Tl-195
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
5
10
15
20
25
30
17
Incident Energy (MeV)
81-Tl-195

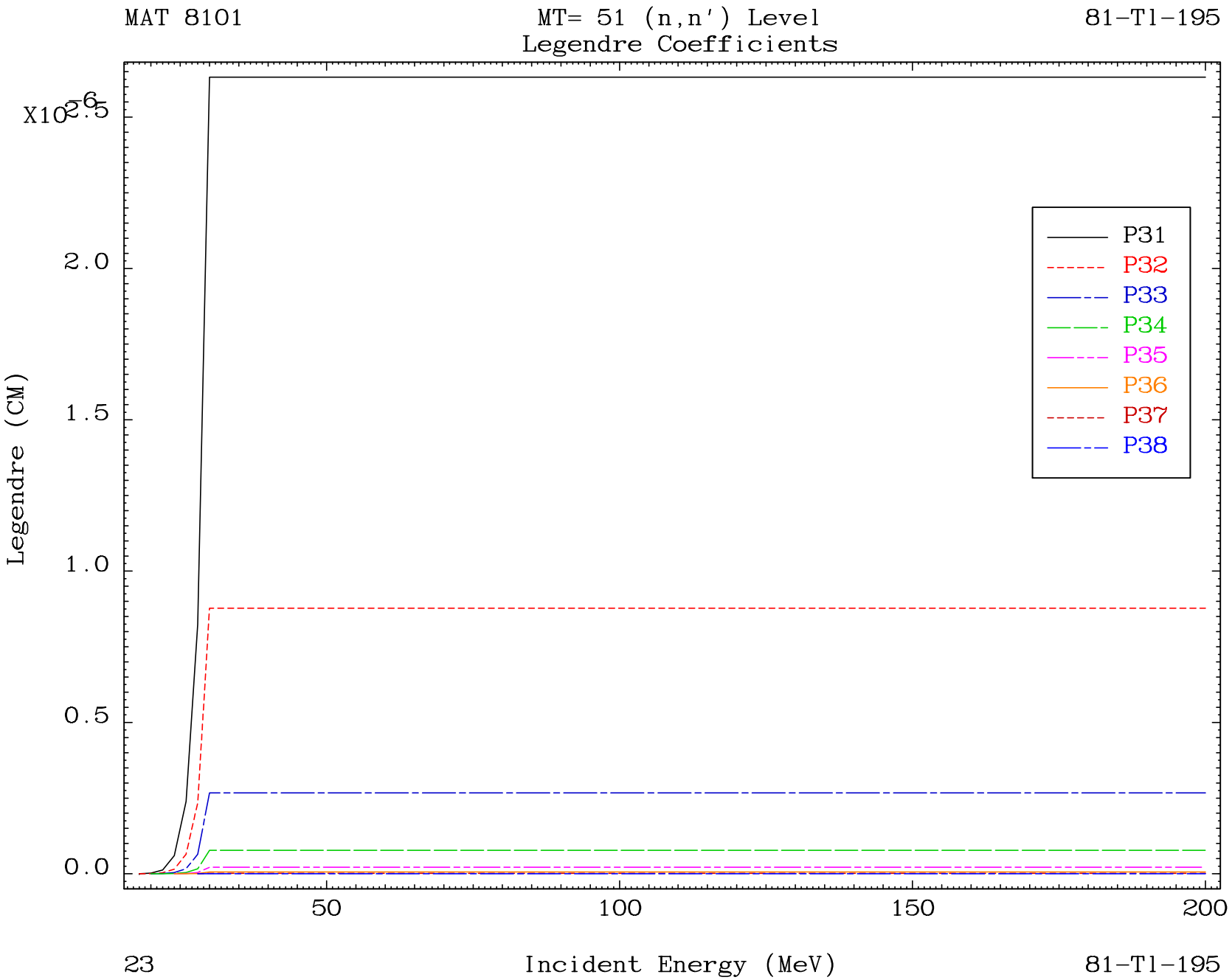

MAT 8101
Elastic
Legendre Coefficients
81-Tl-195
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.03
0.02
0.01
0.00
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
81-Tl-195

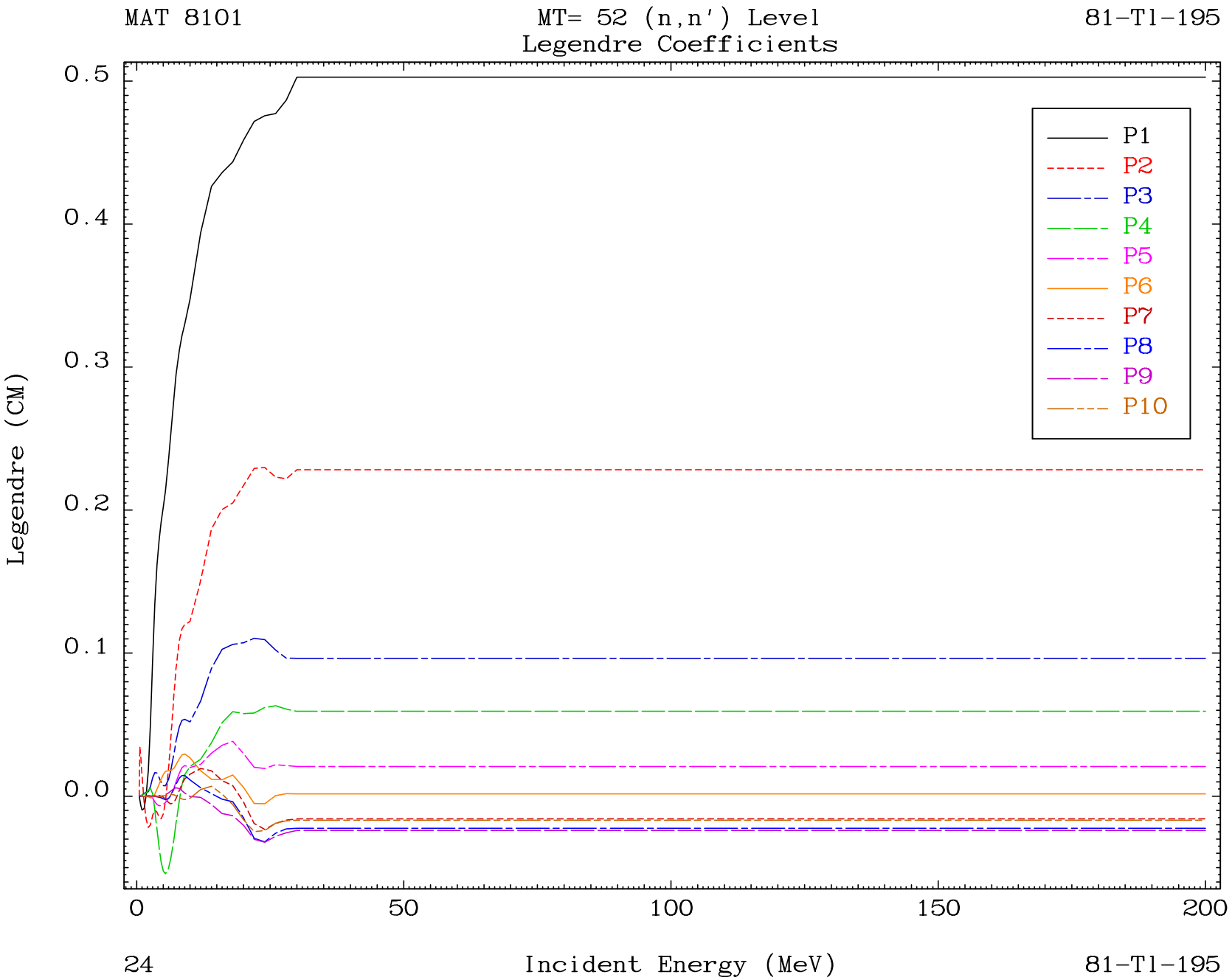

MAT 8101
Elastic
Legendre Coefficients
81-Tl-195
X10-1 0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
81-Tl-195

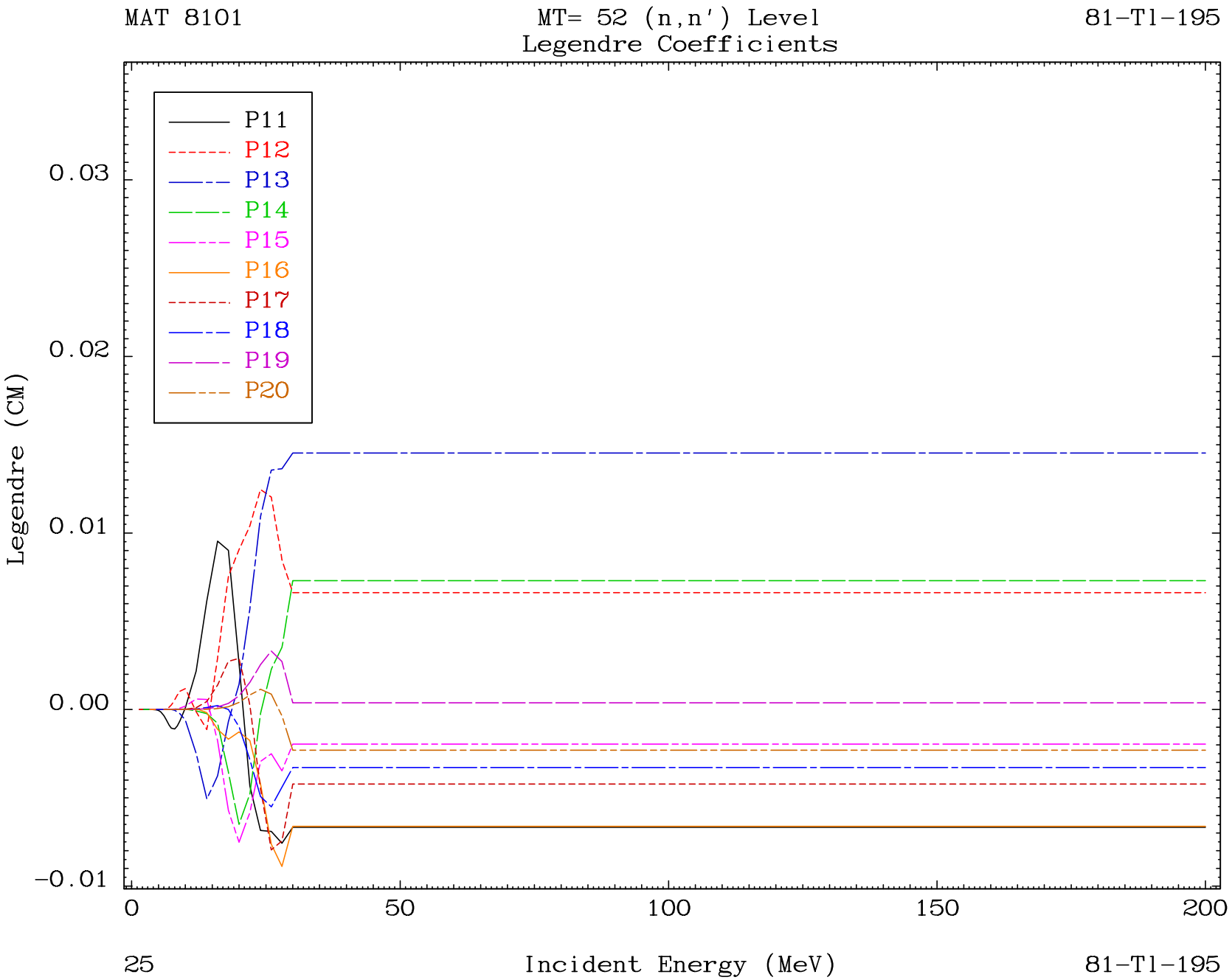

MAT 8101
MT= 51 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
81-Tl-195

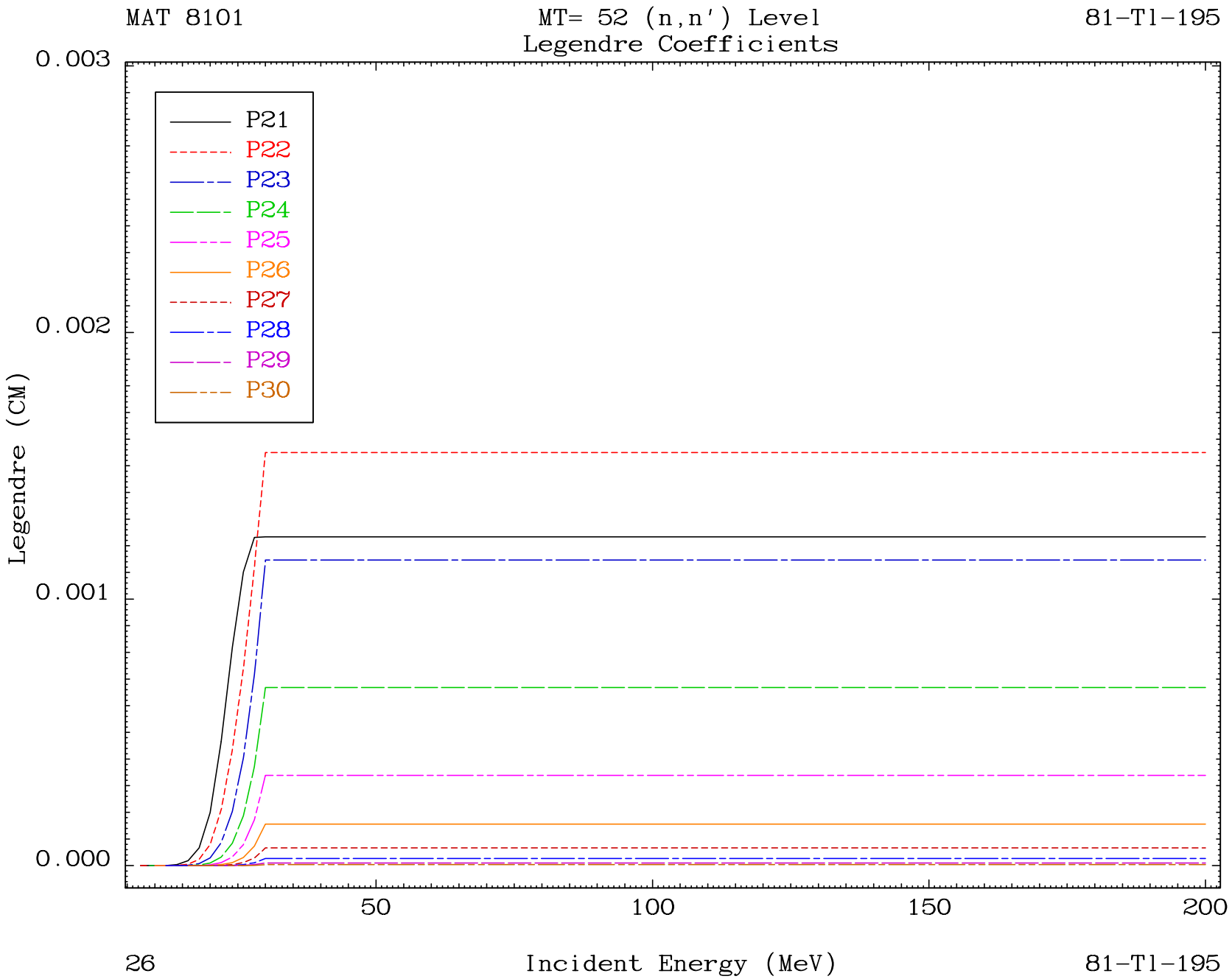

MAT 8101
MT= 51 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
81-Tl-195

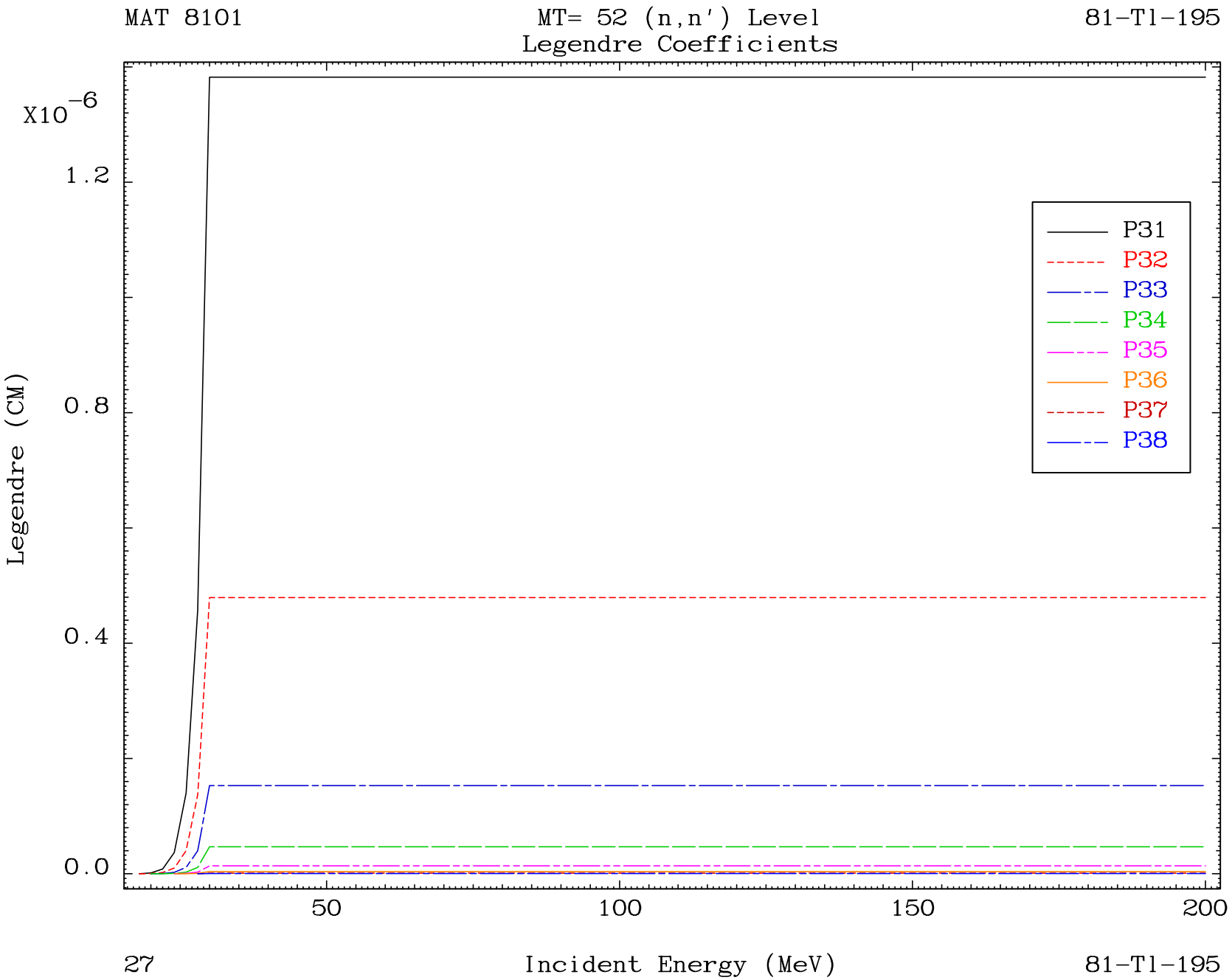

MAT 8101
MT= 51 (n,n') Level
Legendre Coefficients
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
81-Tl-195

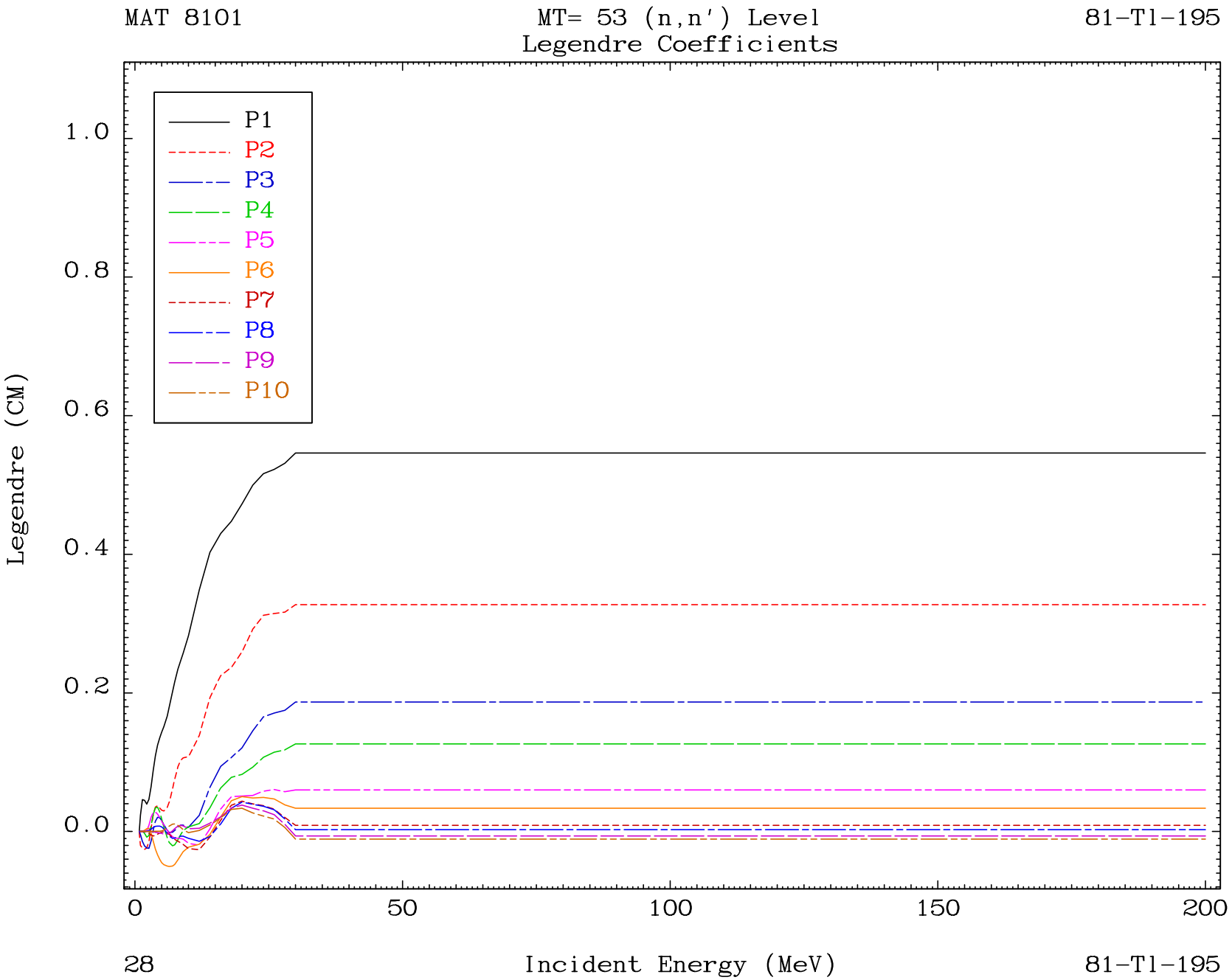

MAT 8101
MT= 51 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

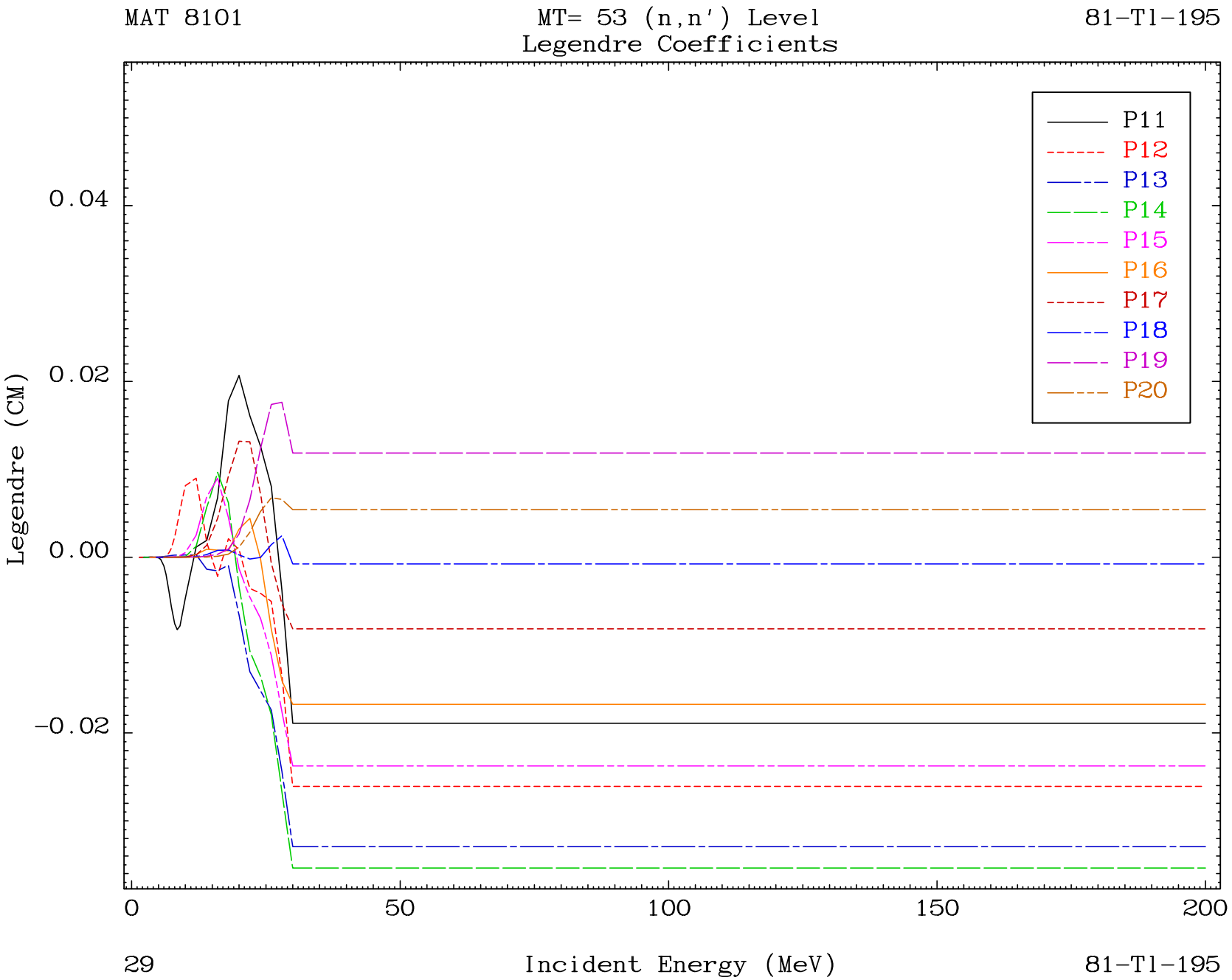

MAT 8101
MT= 52 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
24
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

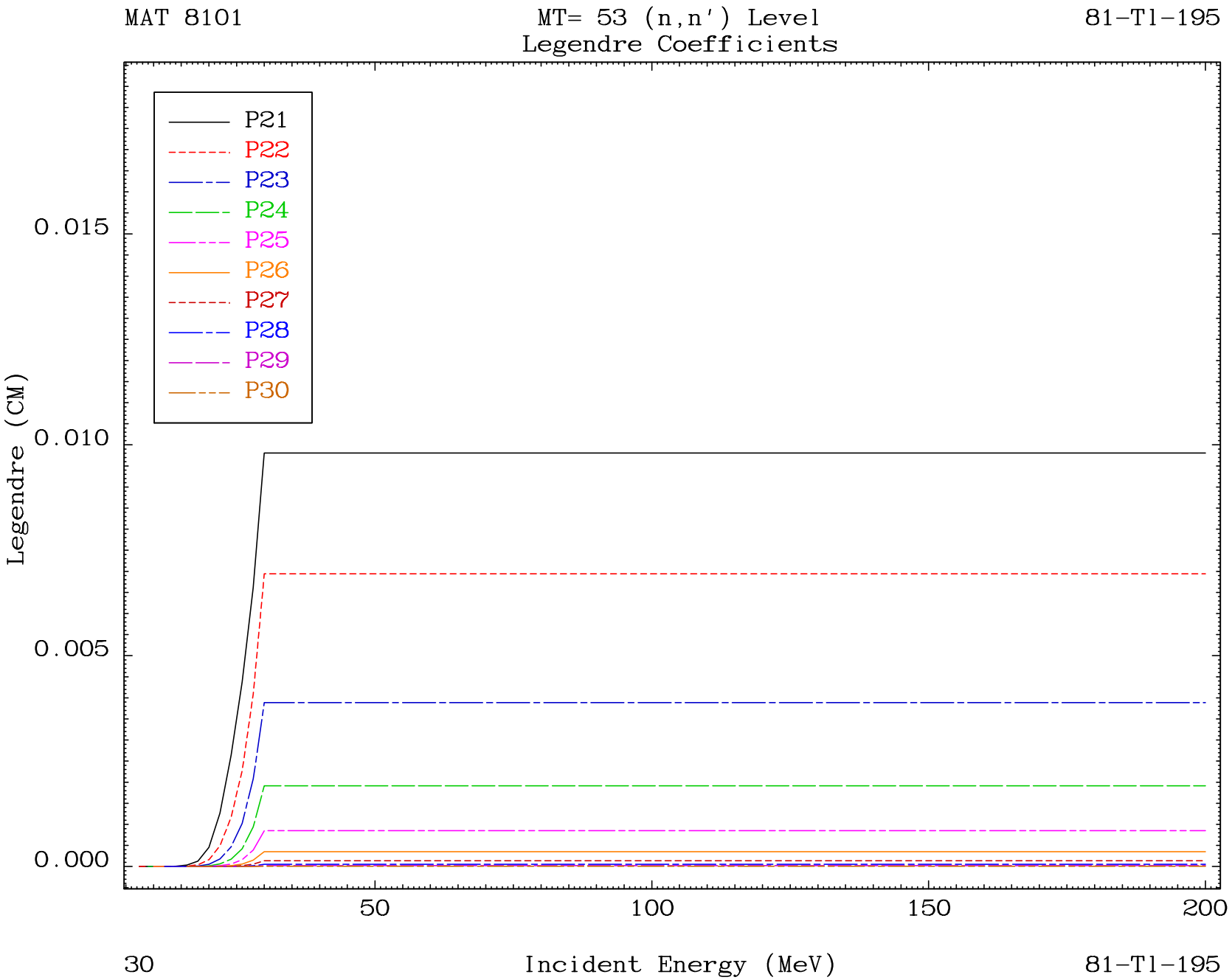

MAT 8101
MT= 52 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
81-Tl-195

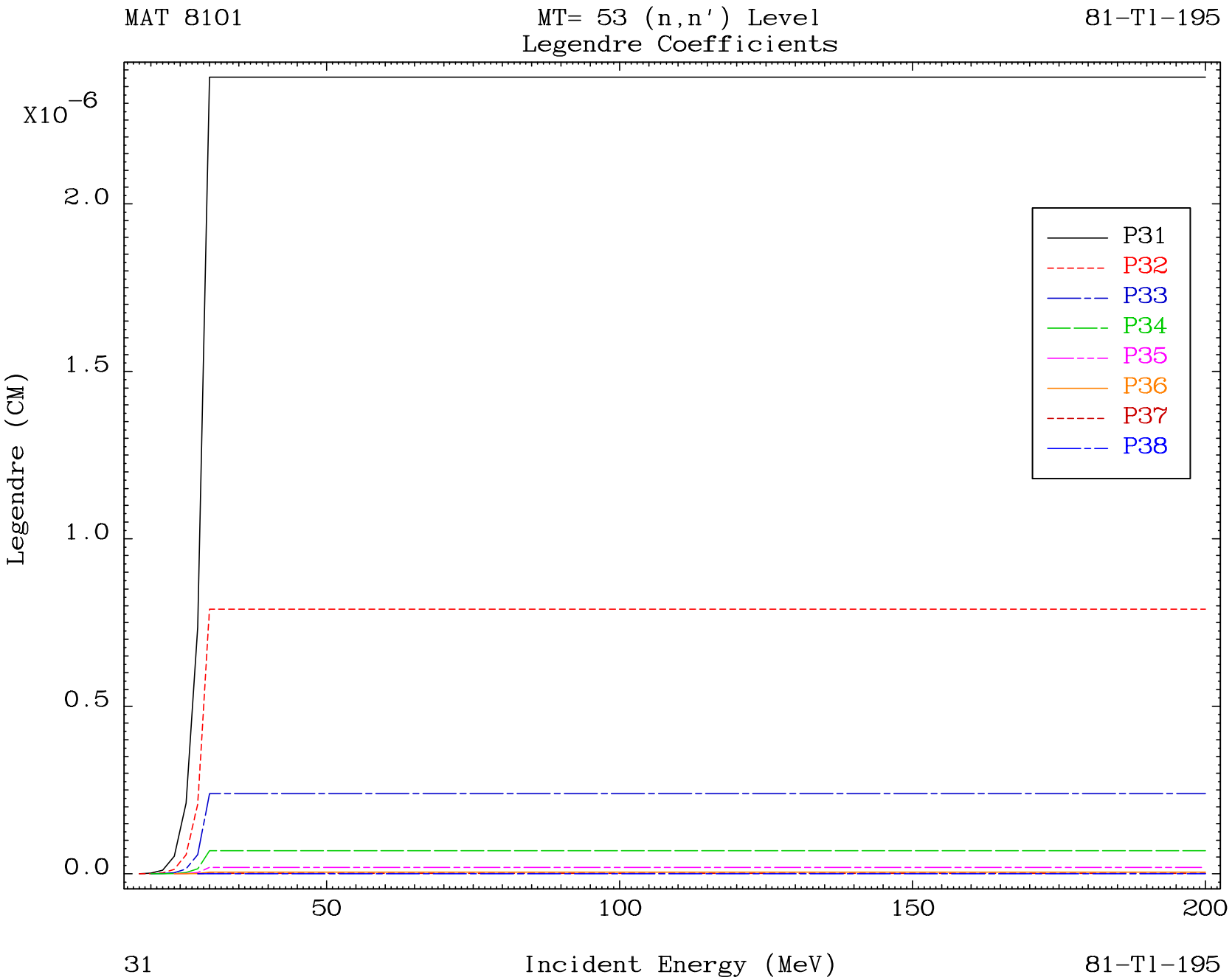

MAT 8101
MT= 52 (n,n') Level
Legendre Coefficients
81-Tl-195
0.003
0.002
0.001
0.000
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
26
Incident Energy (MeV)
81-Tl-195

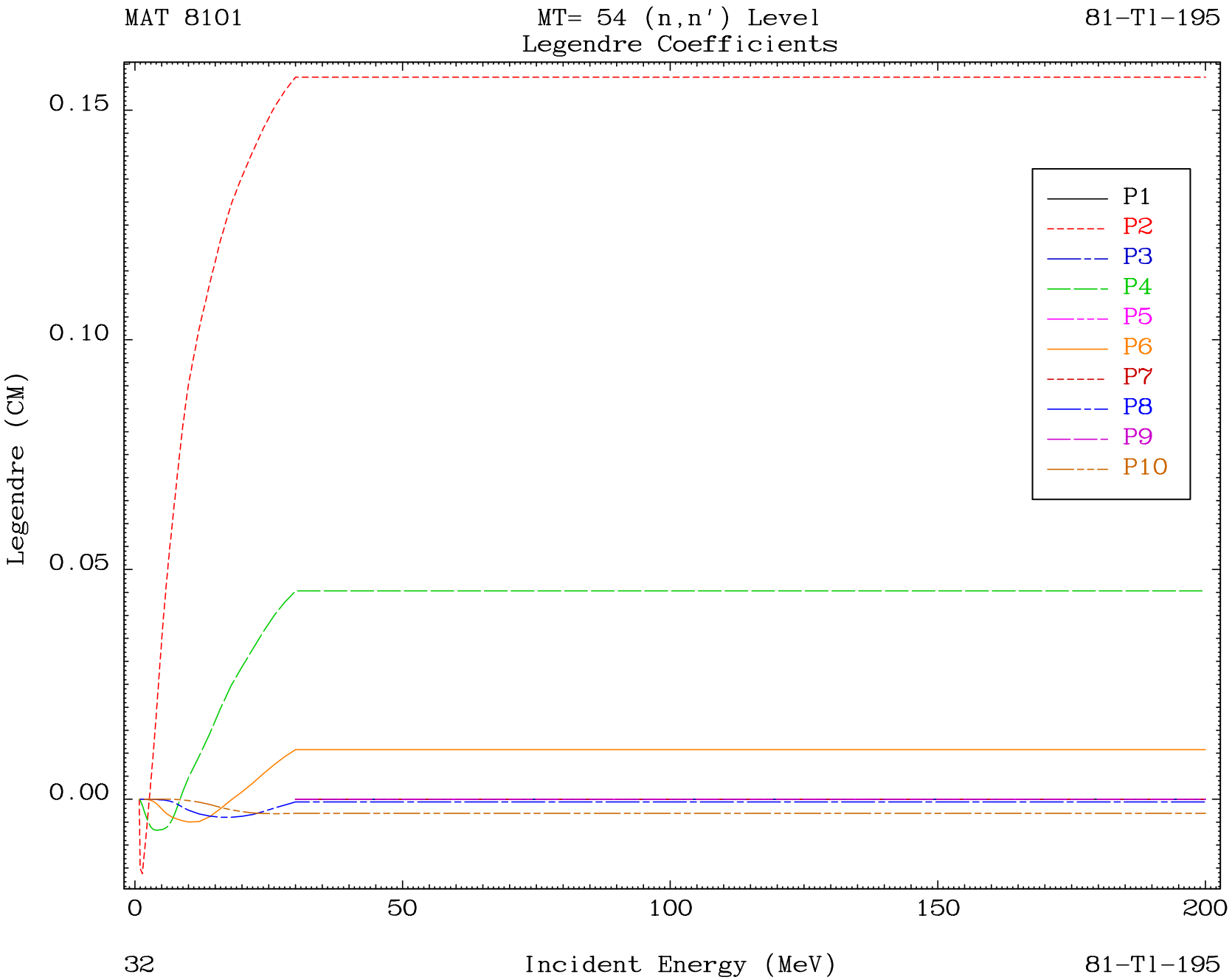

MAT 8101
MT= 52 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
27
Incident Energy (MeV)
81-Tl-195

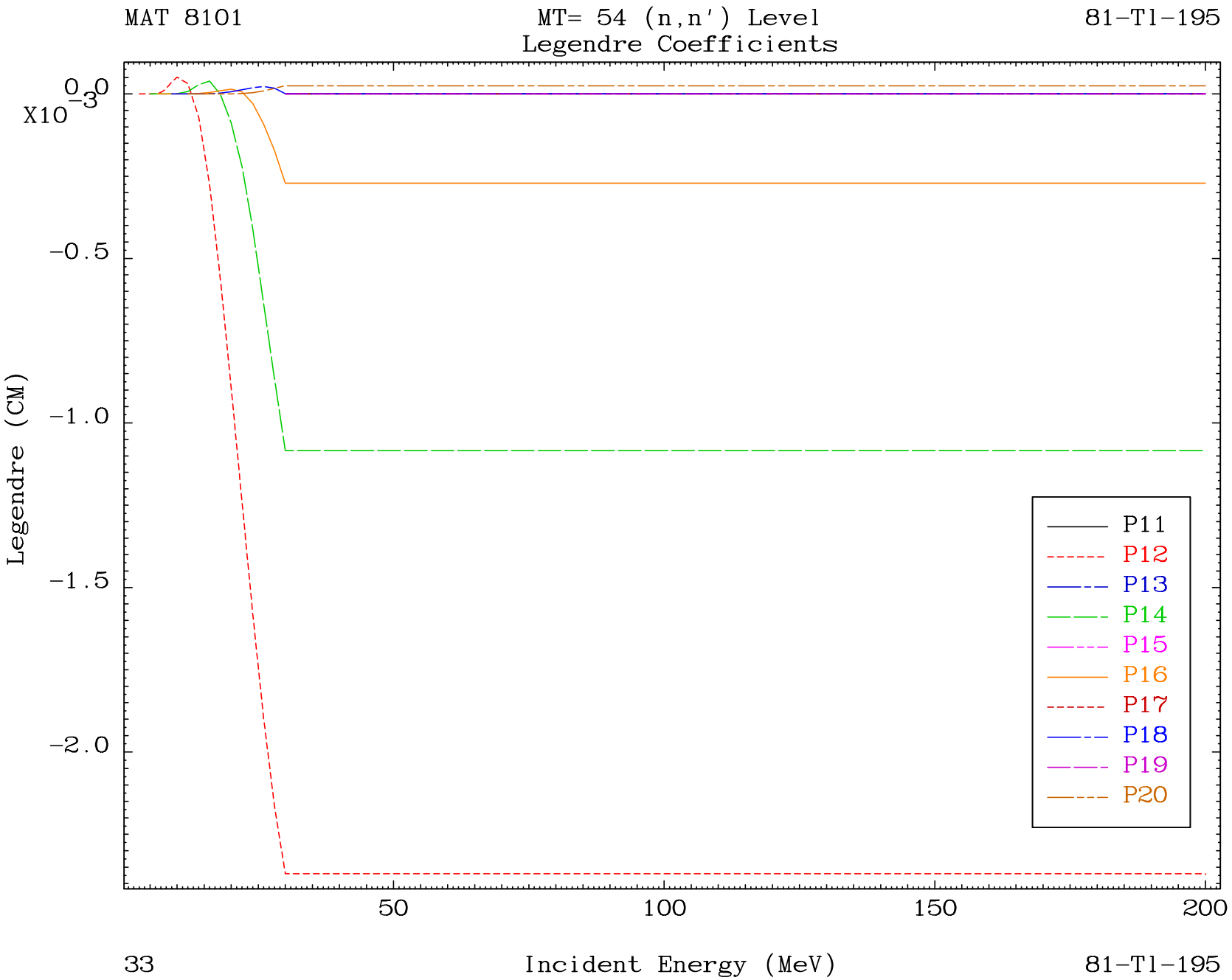

MAT 8101
MT= 53 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
81-Tl-195

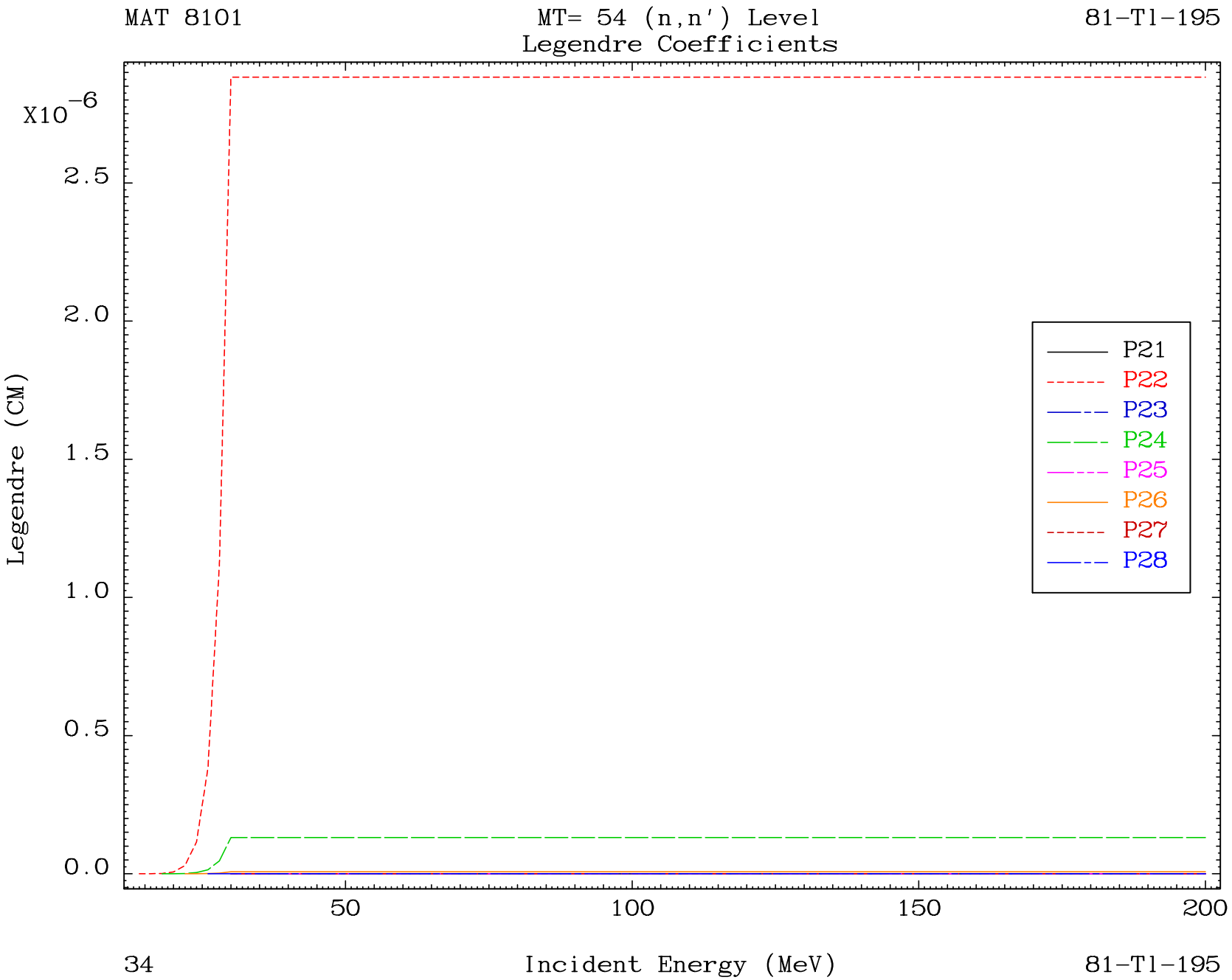

MAT 8101
MT= 53 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
81-Tl-195

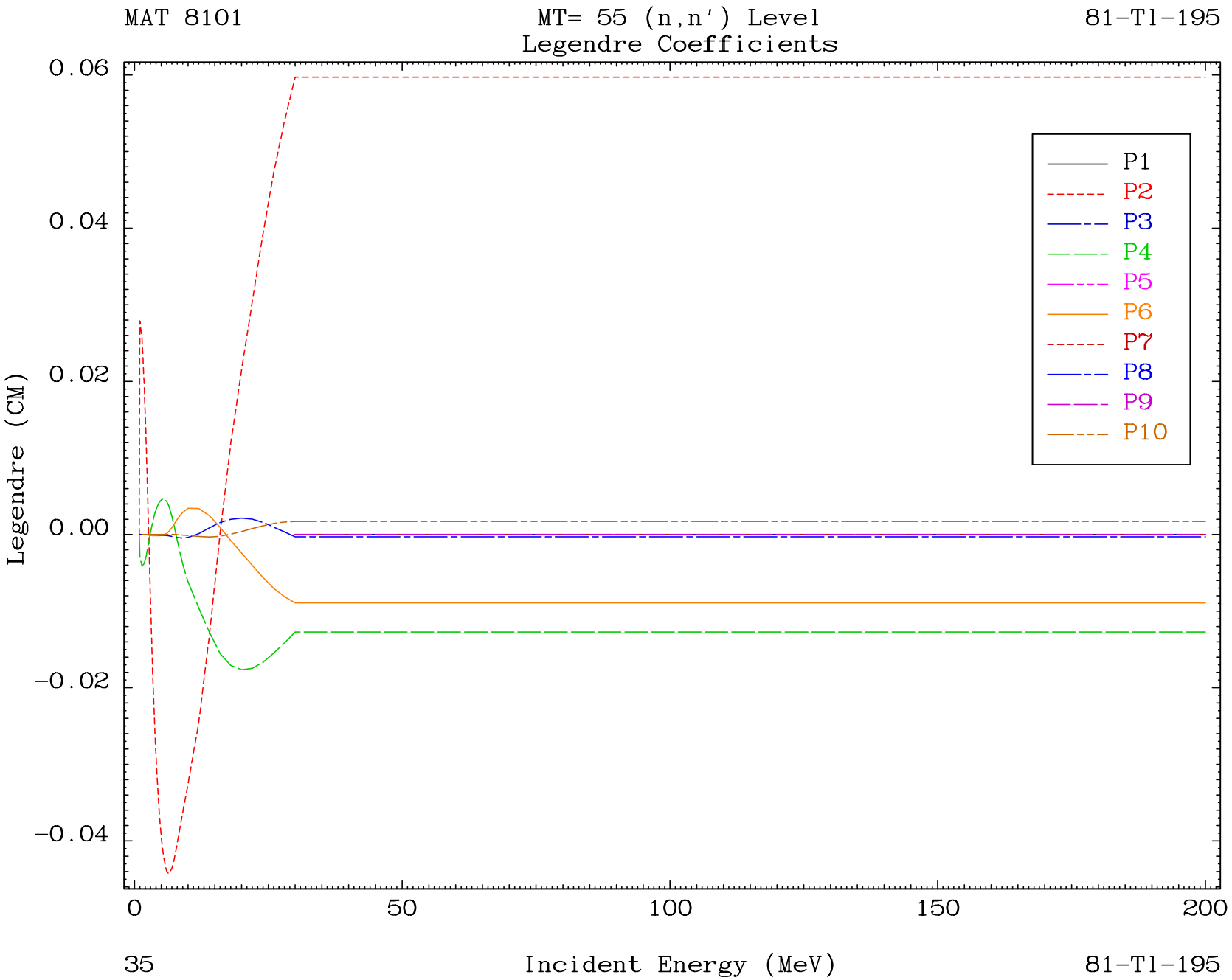

MAT 8101
MT= 53 (n,n') Level
Legendre Coefficients
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
30
Incident Energy (MeV)
81-Tl-195

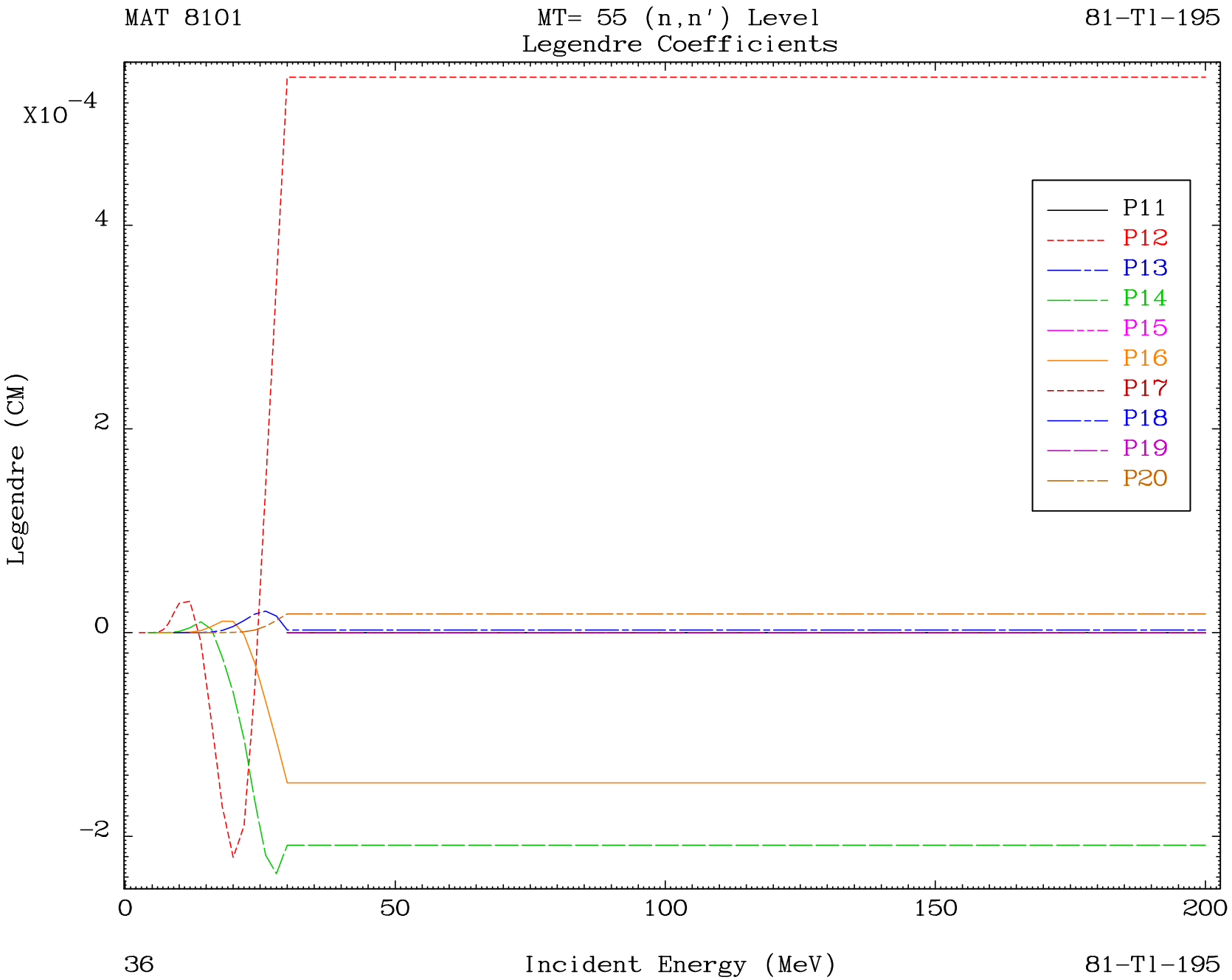

MAT 8101
MT= 53 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
31
Incident Energy (MeV)
81-Tl-195

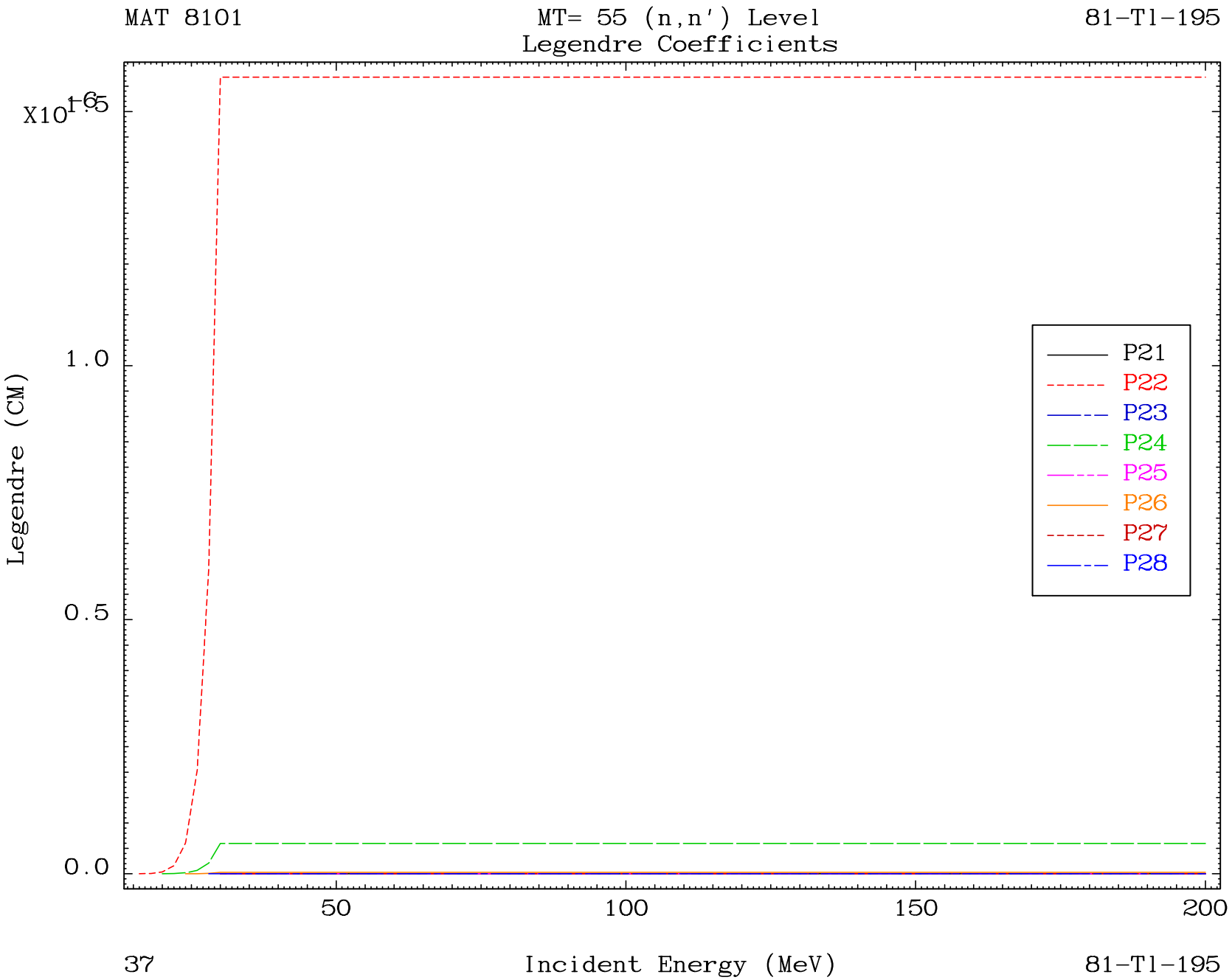

MAT 8101
MT= 54 (n,n') Level
Legendre Coefficients
81-Tl-195
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
32
Incident Energy (MeV)
81-Tl-195

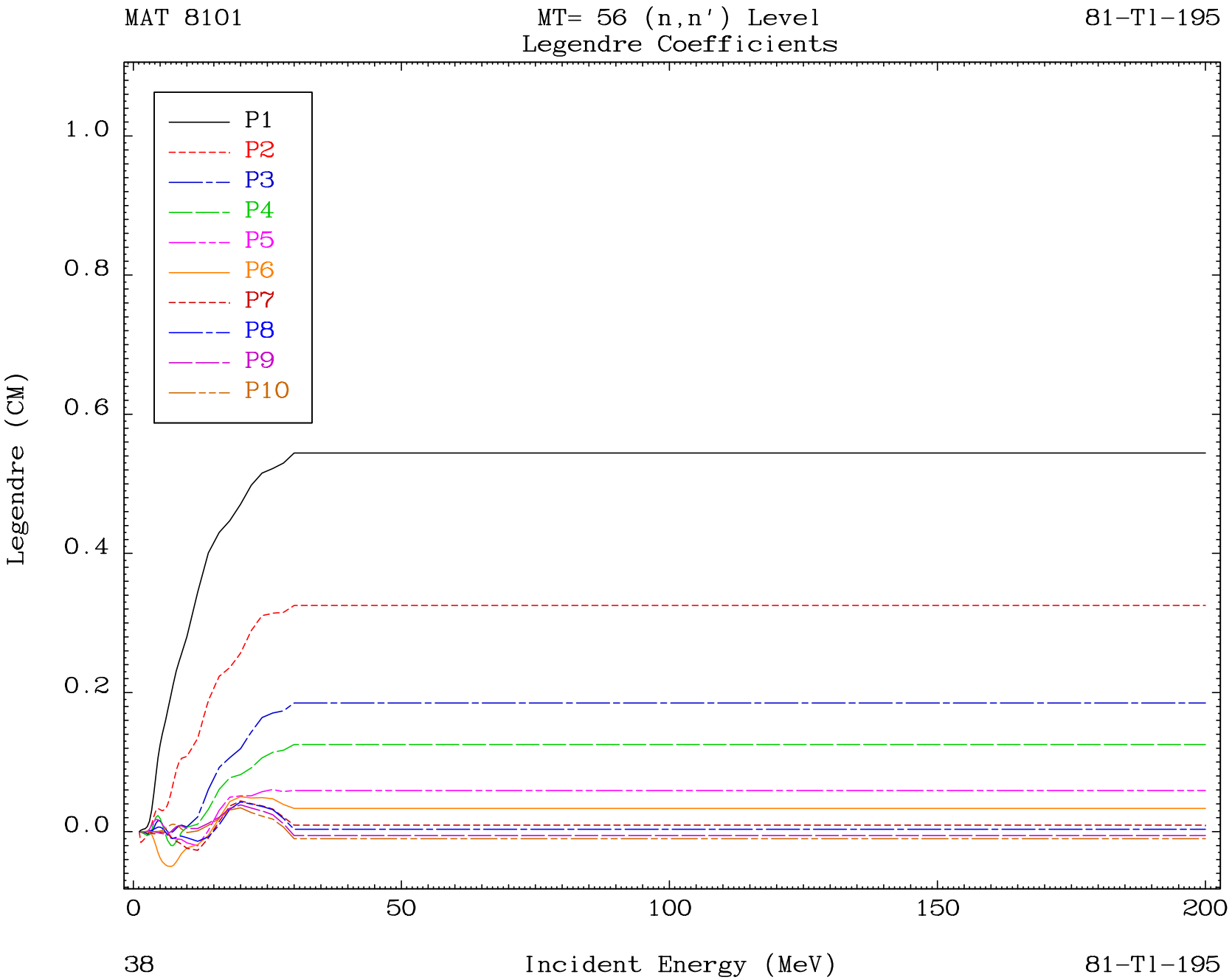

MAT 8101
MT= 54 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-3
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

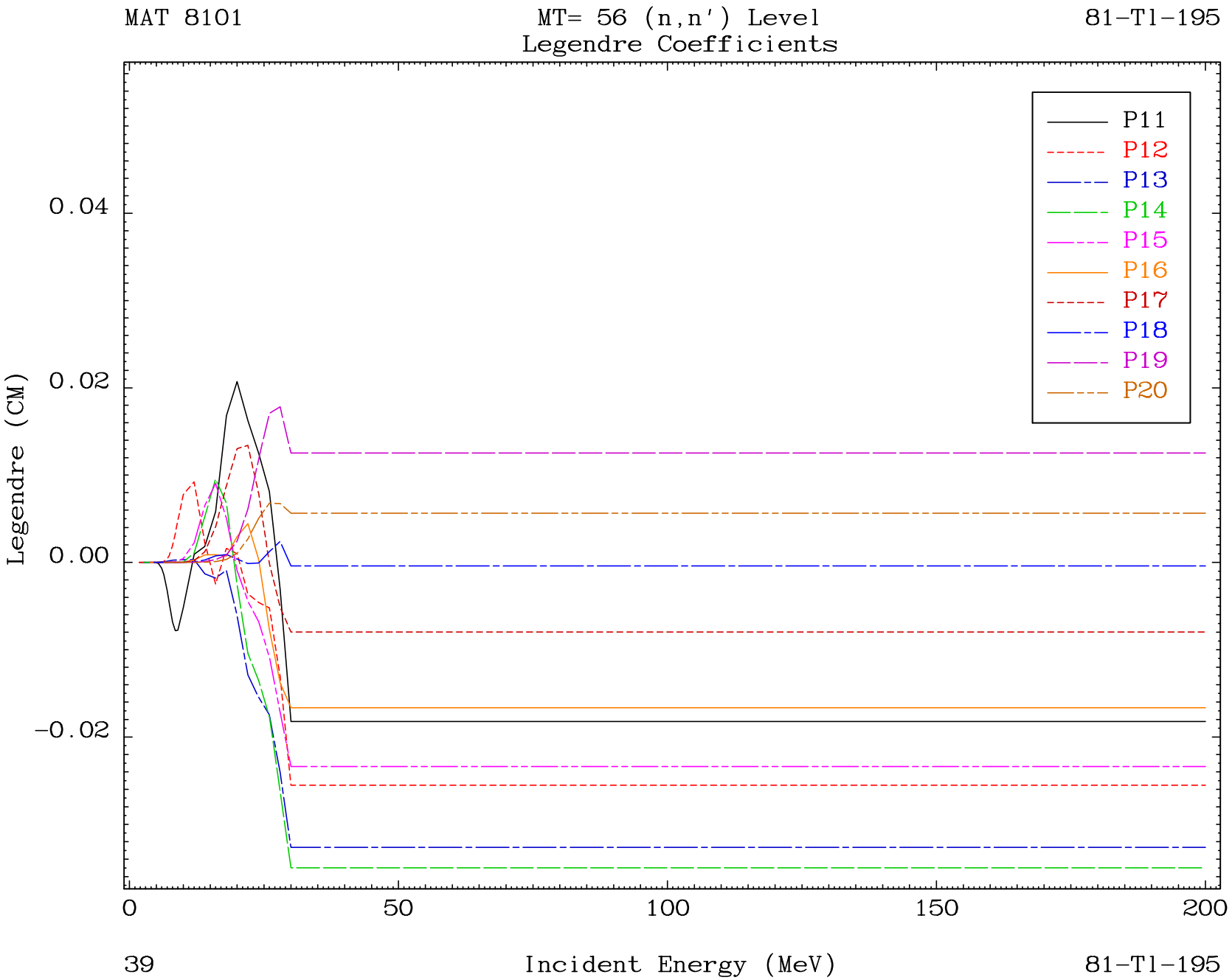

MAT 8101
MT= 54 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
34
Incident Energy (MeV)
81-Tl-195

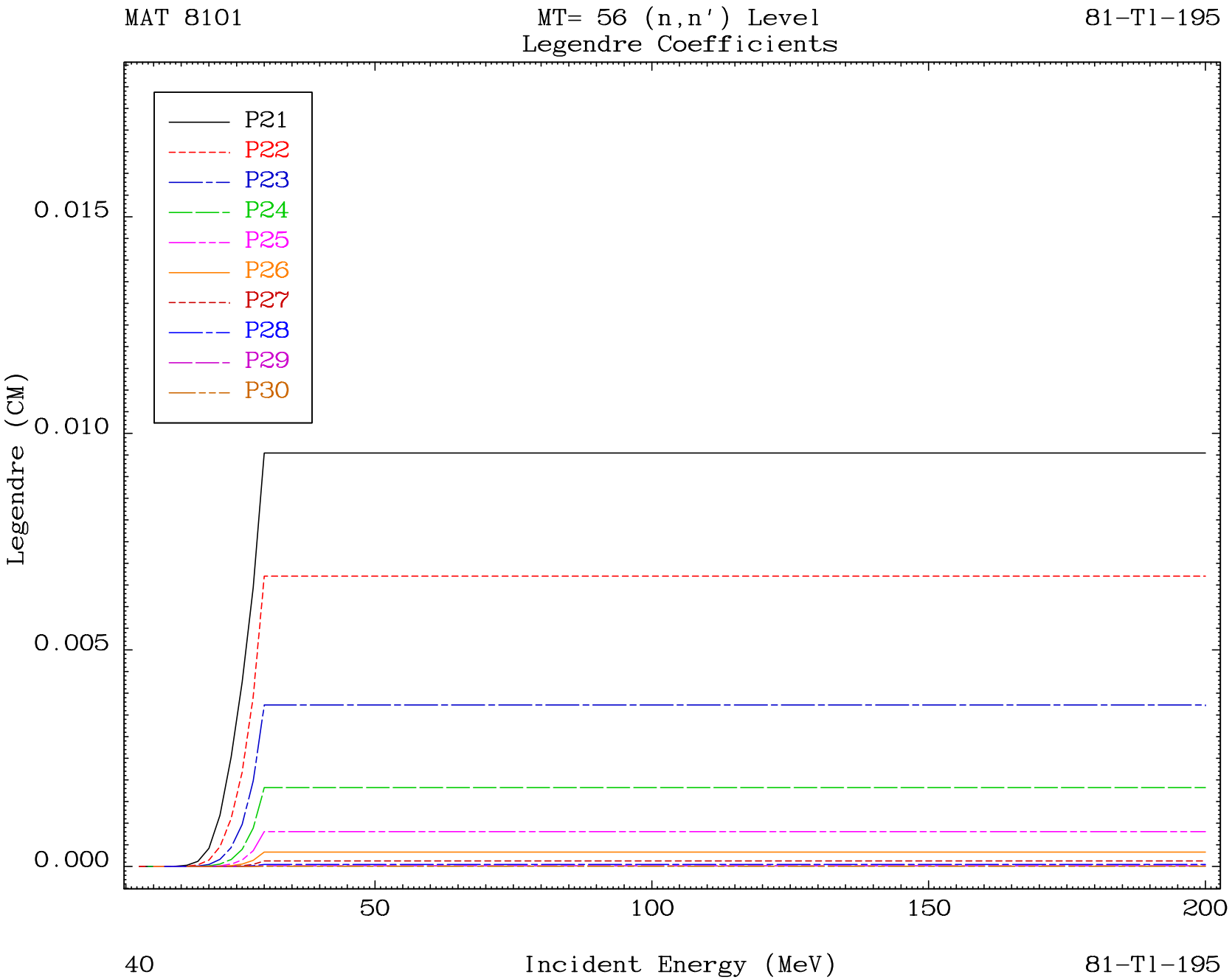

MAT 8101
MT= 55 (n,n') Level
Legendre Coefficients
81-Tl-195
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
35
Incident Energy (MeV)
81-Tl-195

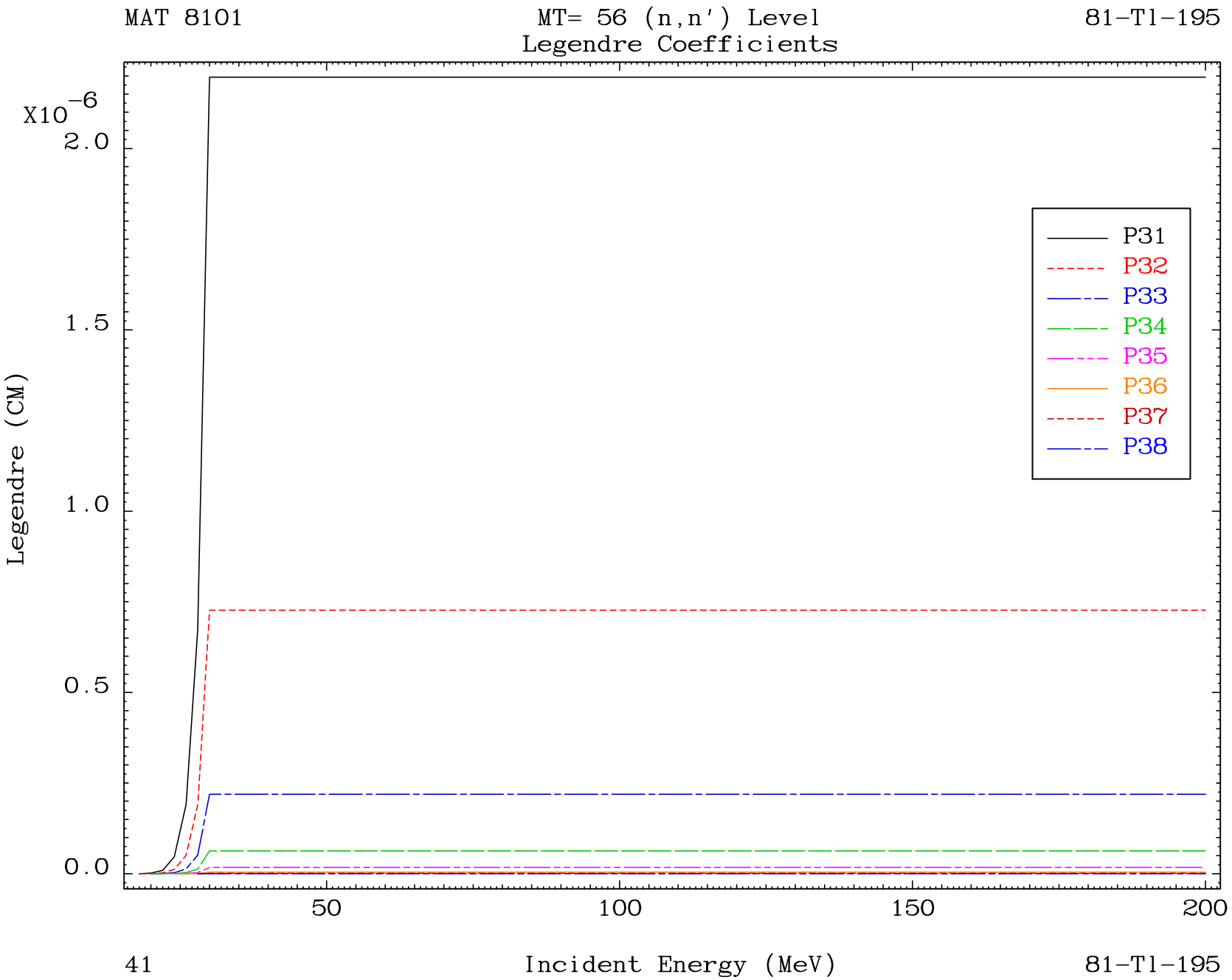

MAT 8101
MT= 55 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
4
2
0
-2
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
36
Incident Energy (MeV)
81-Tl-195

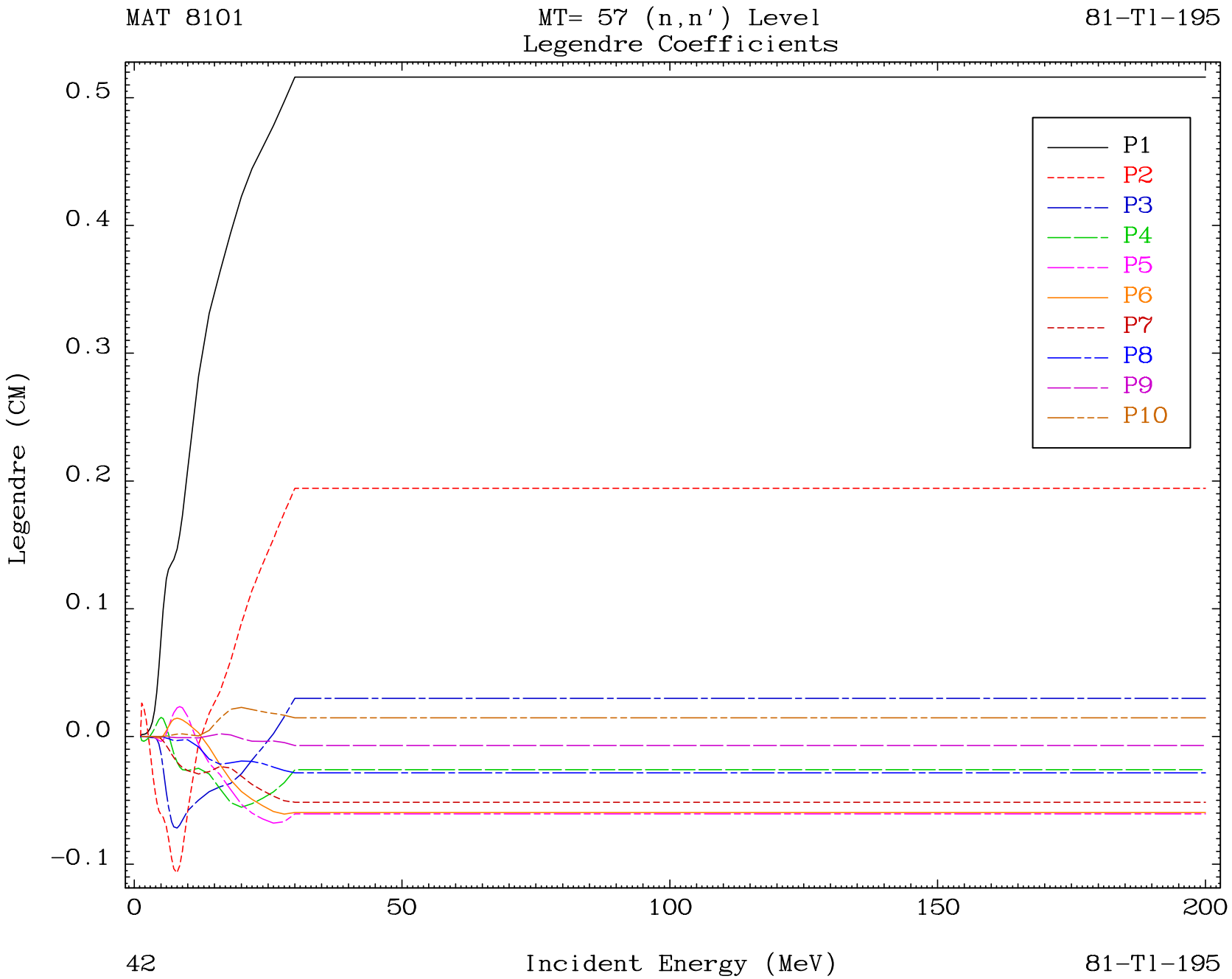

MAT 8101
MT= 55 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28

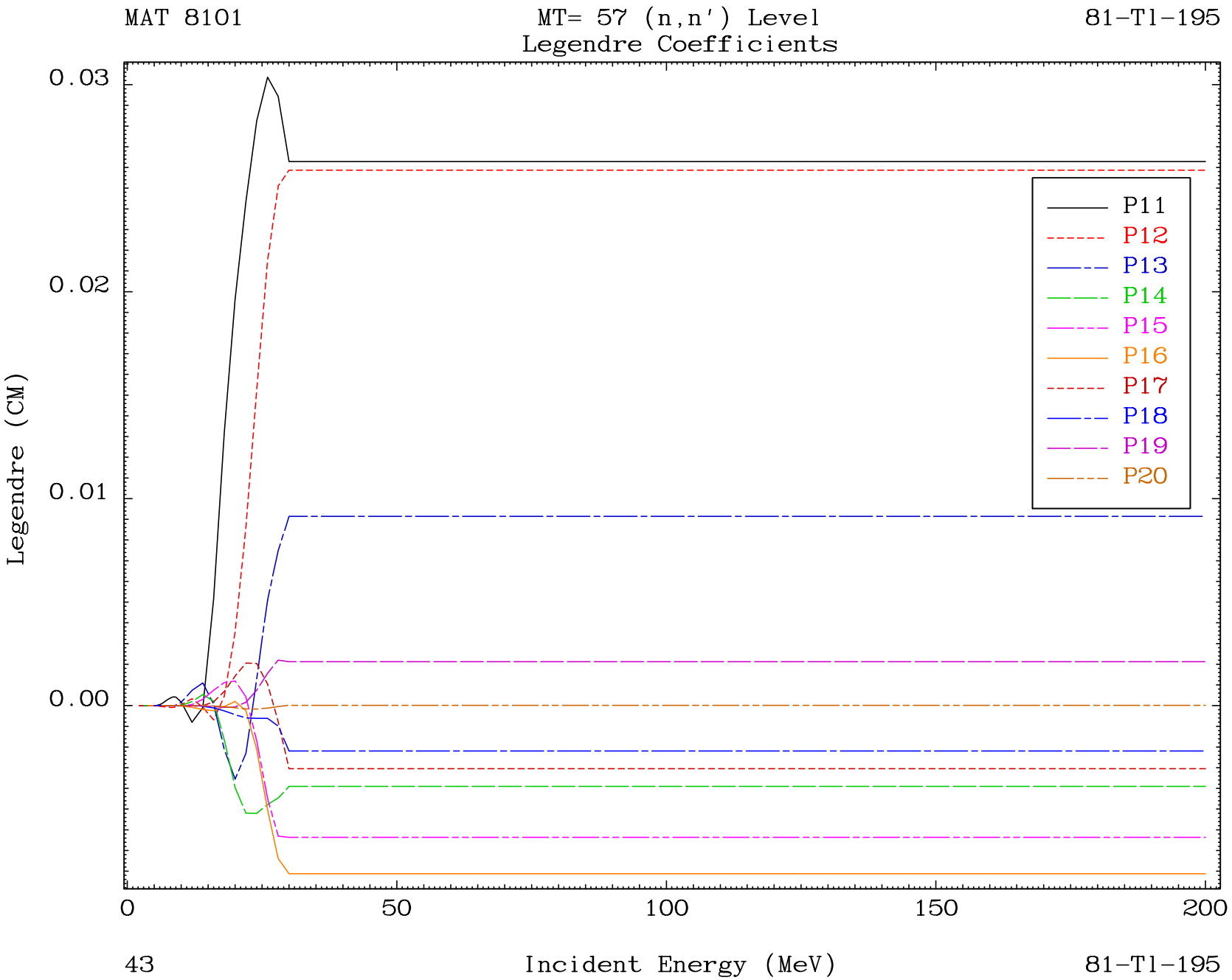

MAT 8101
MT= 56 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
38
Incident Energy (MeV)
81-Tl-195

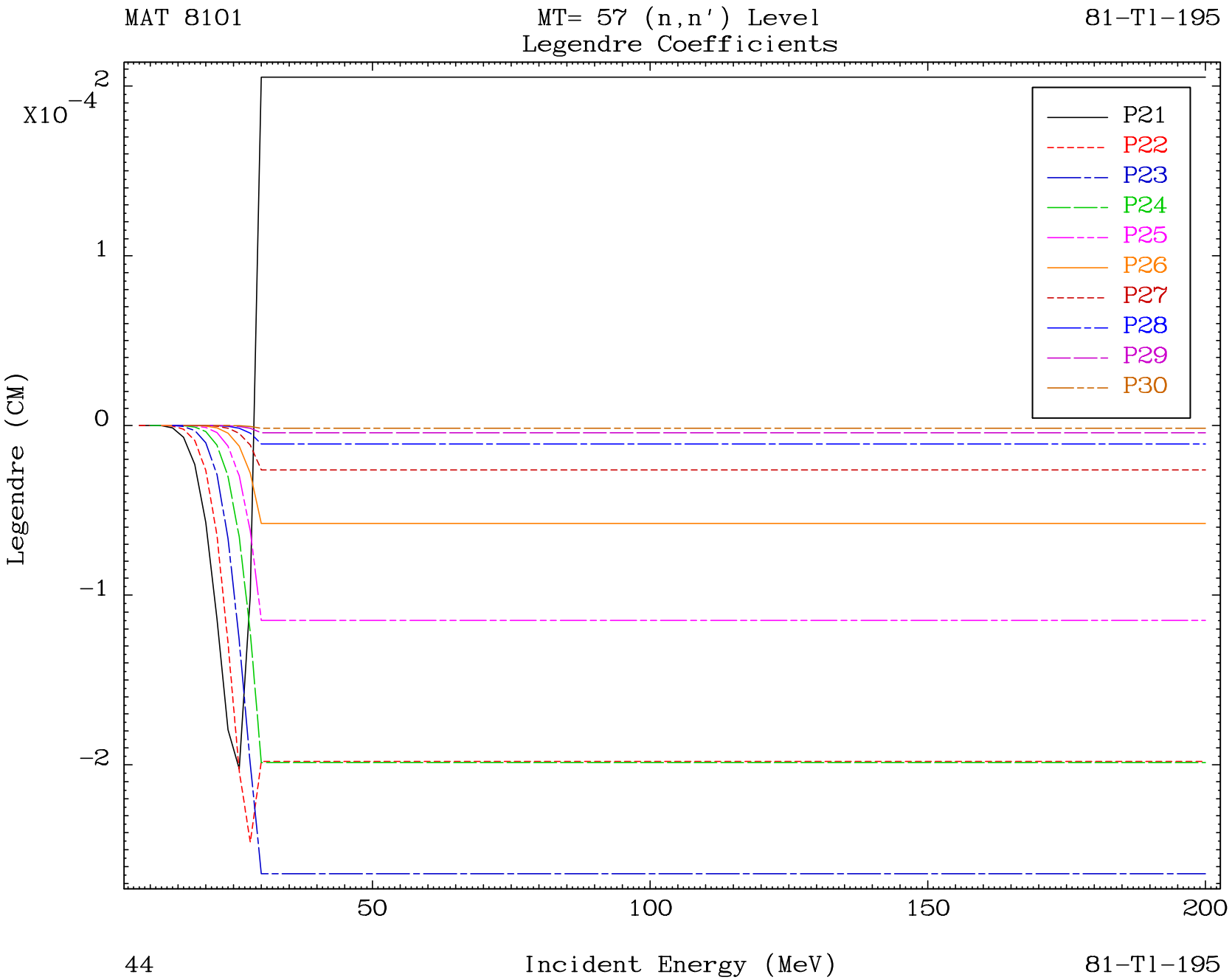

MAT 8101
MT= 56 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
39
Incident Energy (MeV)
81-Tl-195

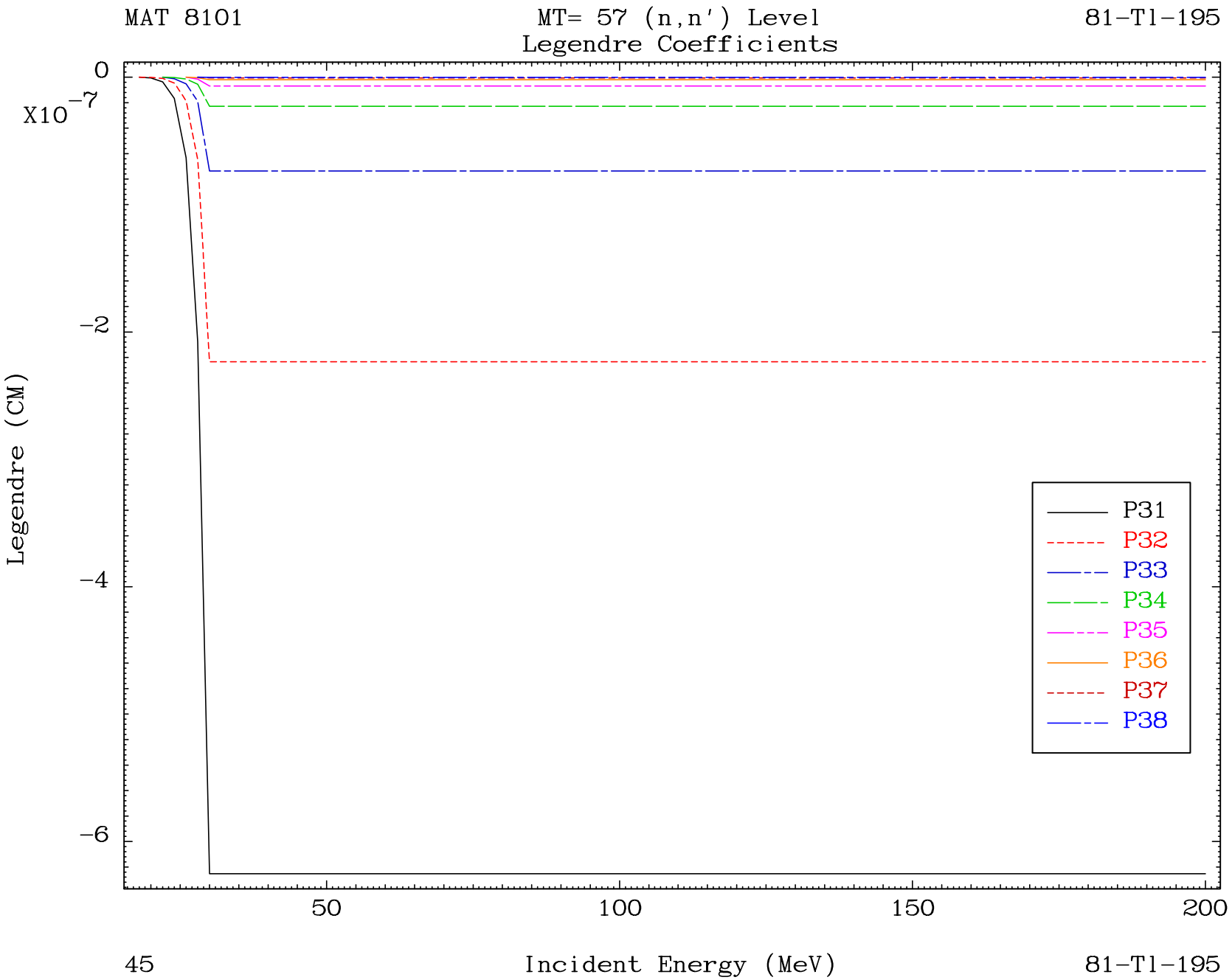

MAT 8101
MT= 56 (n,n') Level
Legendre Coefficients
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
40
50
100
150
200
Incident Energy (MeV)
81-Tl-195

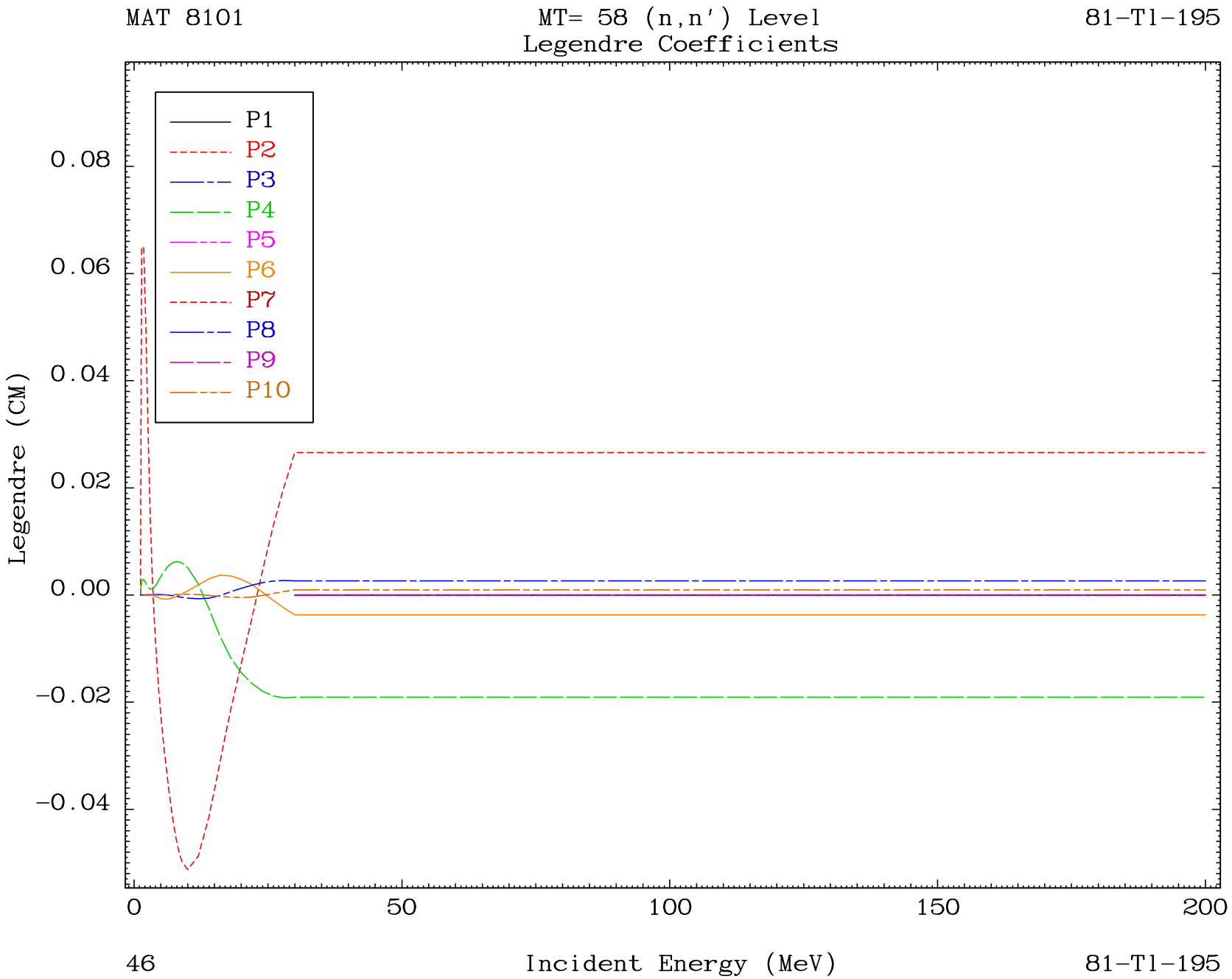

MAT 8101
MT= 56 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
41
Incident Energy (MeV)
81-Tl-195

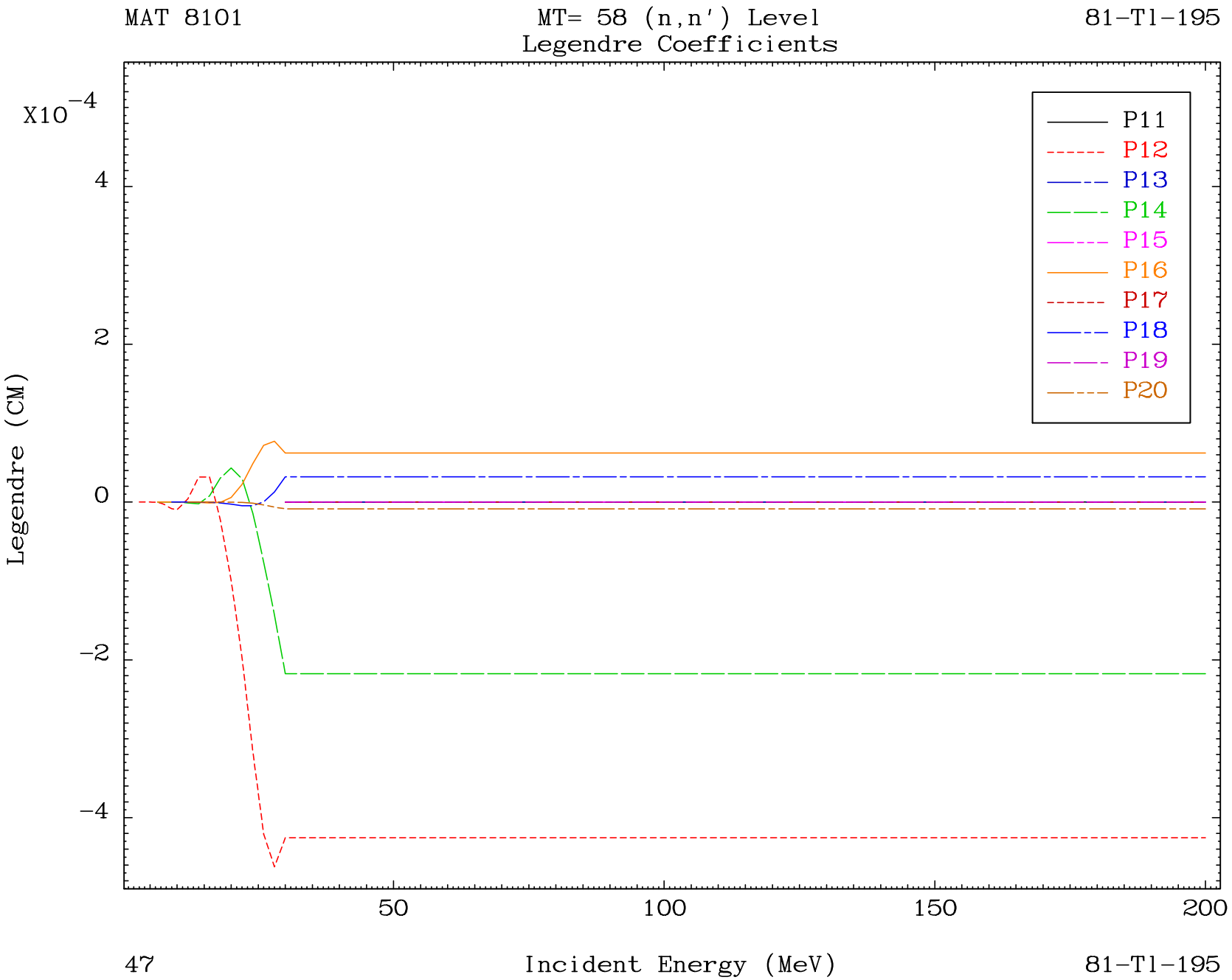

MAT 8101
MT= 57 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
42
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

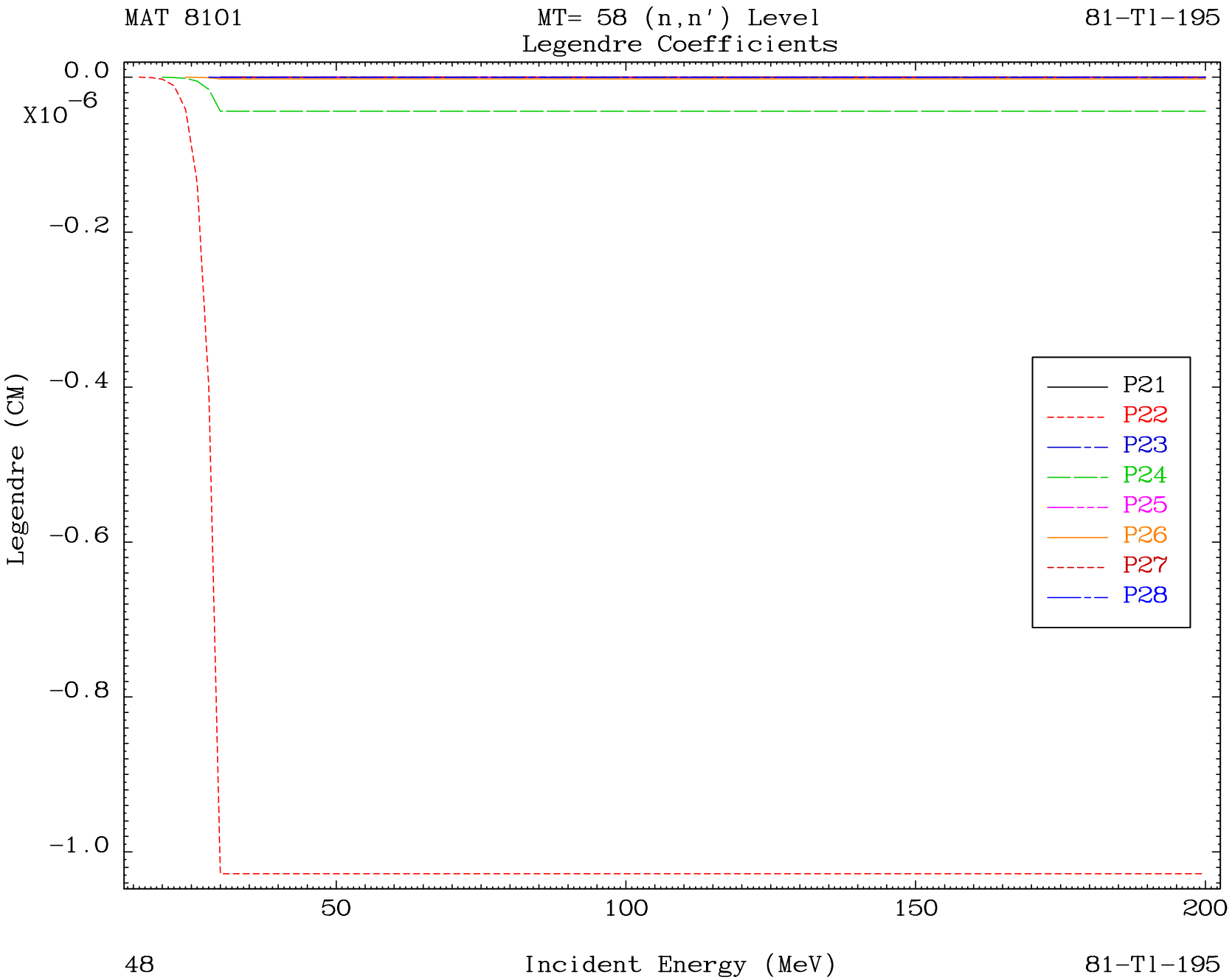

MAT 8101
MT= 57 (n,n') Level
Legendre Coefficients
81-Tl-195
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
43
Incident Energy (MeV)
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

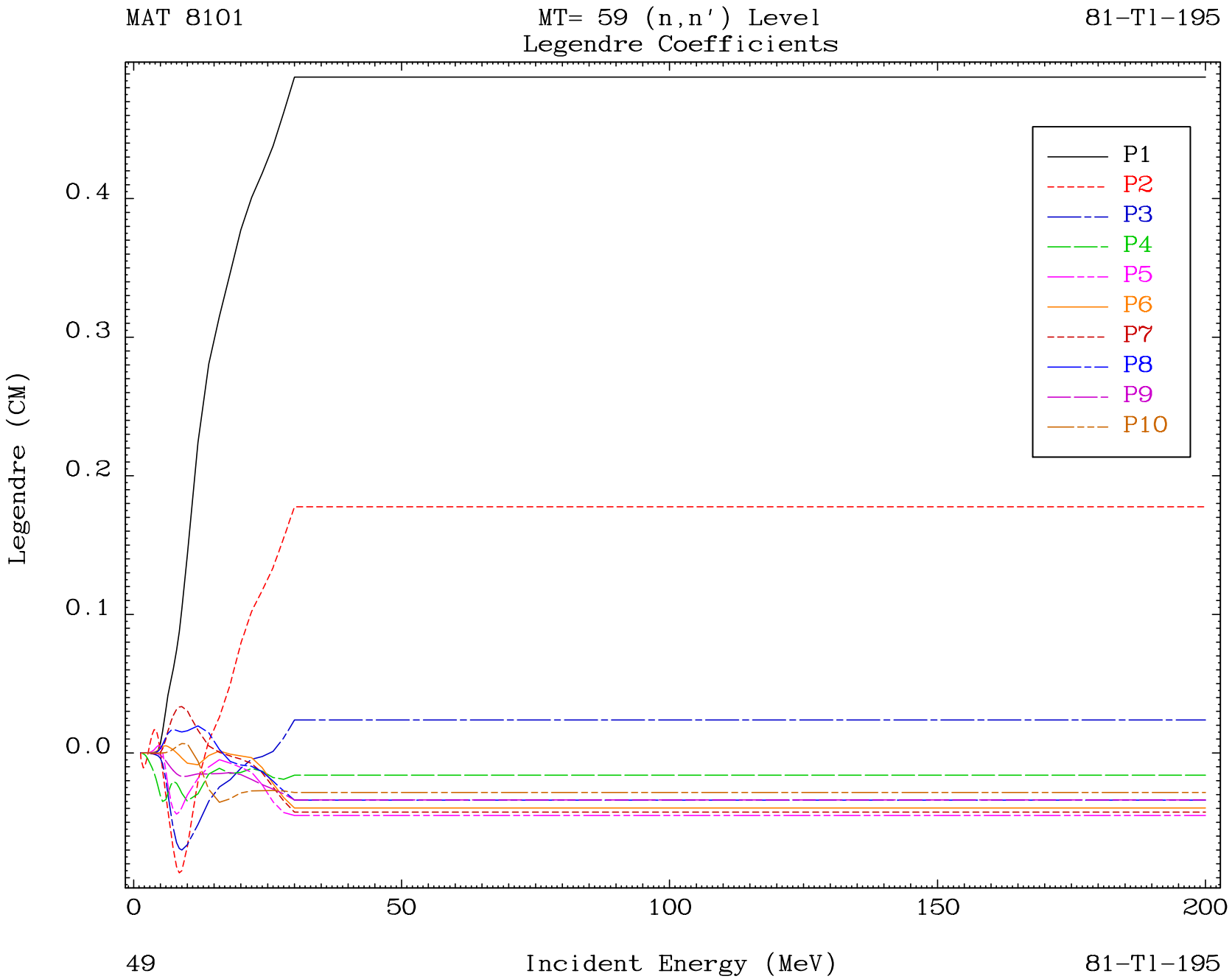

MAT 8101
MT= 57 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
44
Incident Energy (MeV)
81-Tl-195

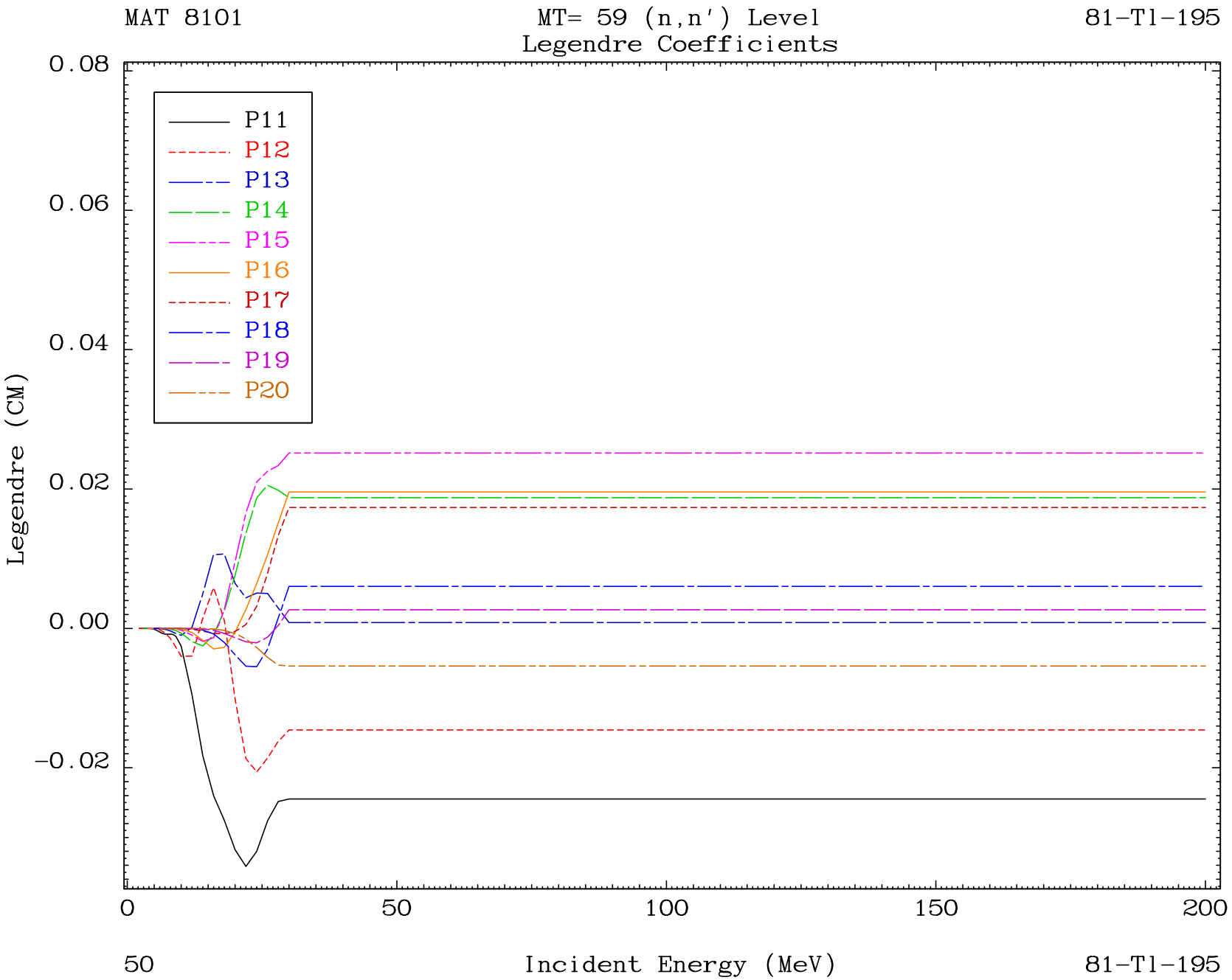

MAT 8101
MT= 57 (n,n') Level
Legendre Coefficients
81-Tl-195
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

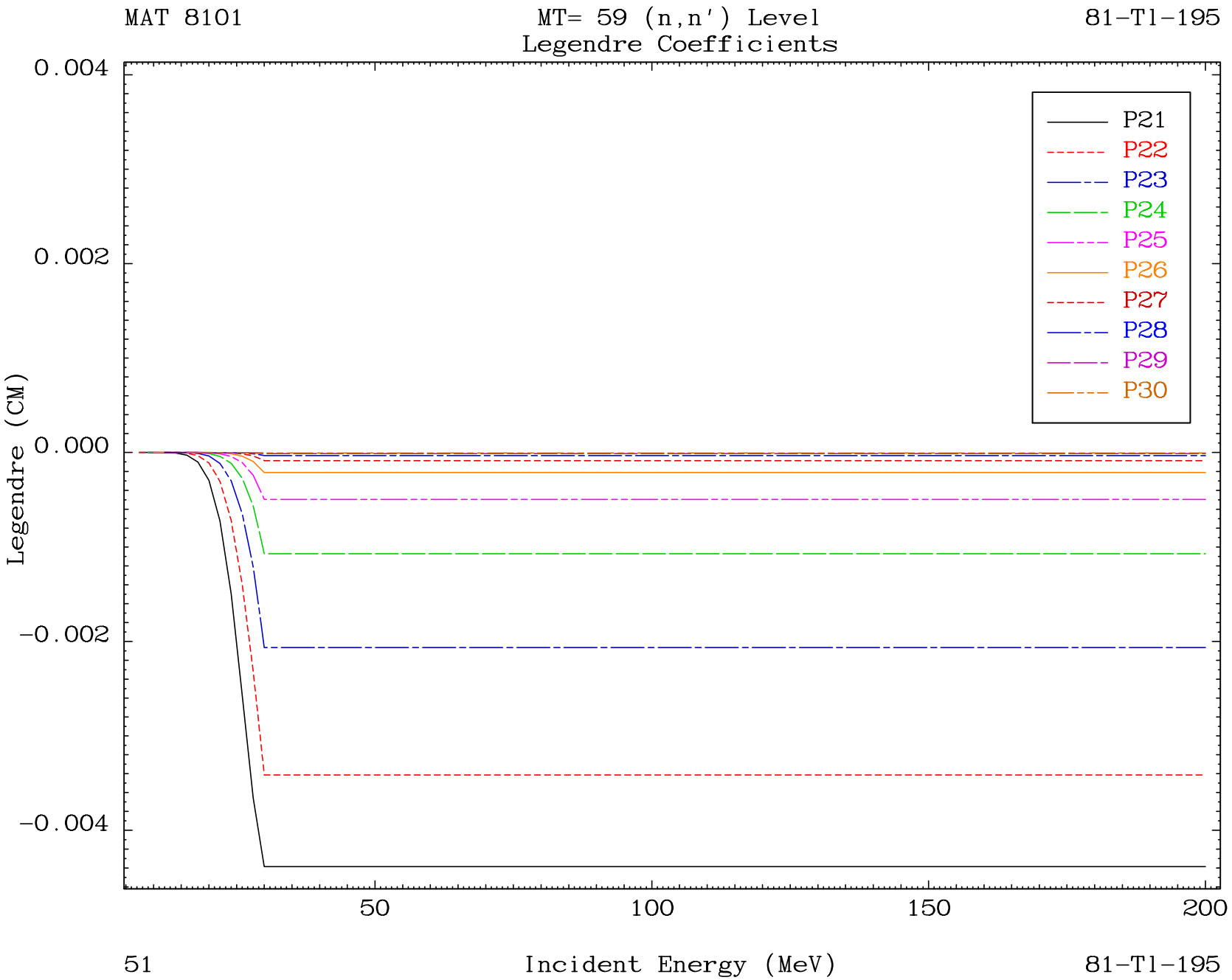

MAT 8101
MT= 58 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
46
Incident Energy (MeV)
81-Tl-195

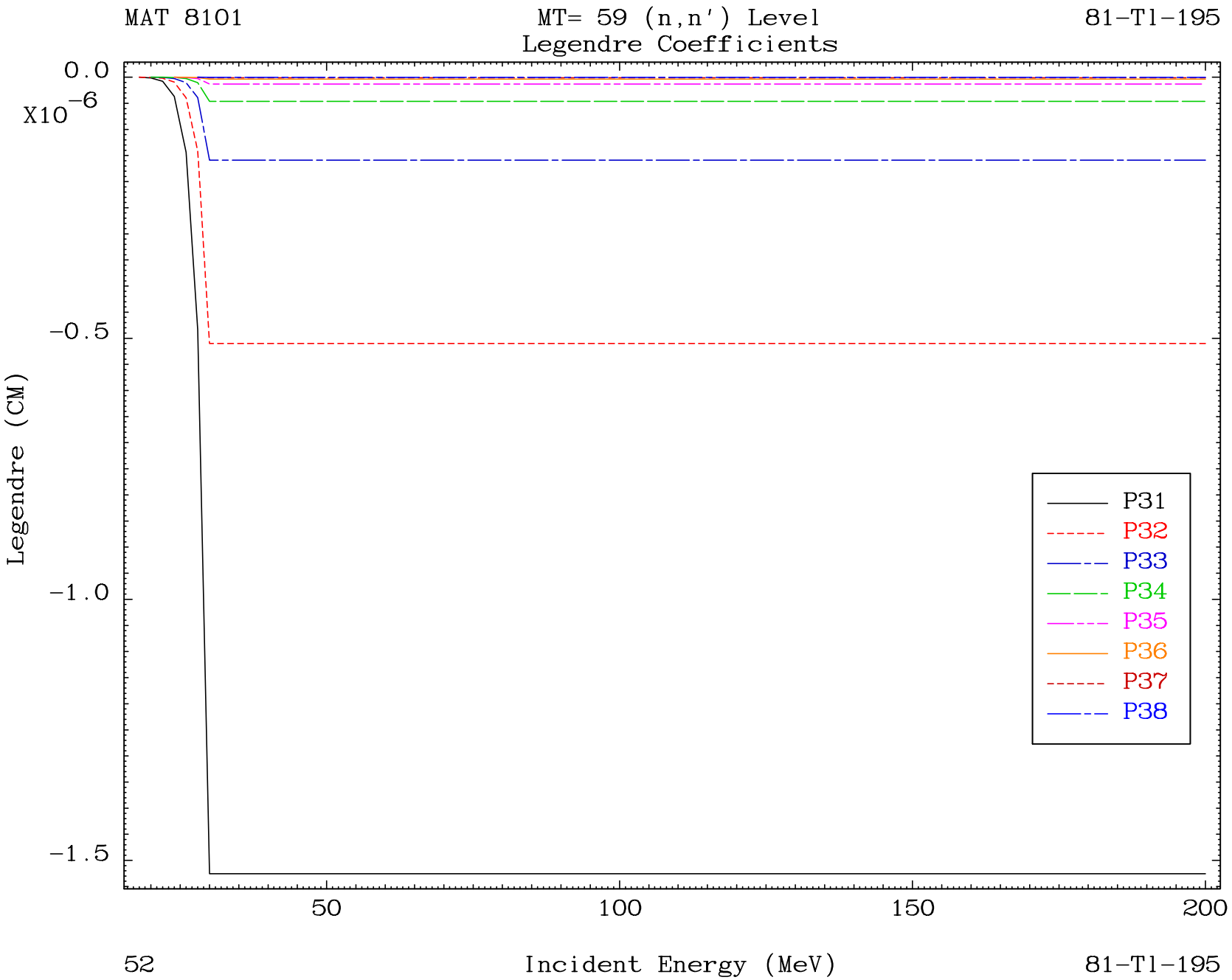

MAT 8101
MT= 58 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
4
2
0
-2
-4
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
47
Incident Energy (MeV)
81-Tl-195

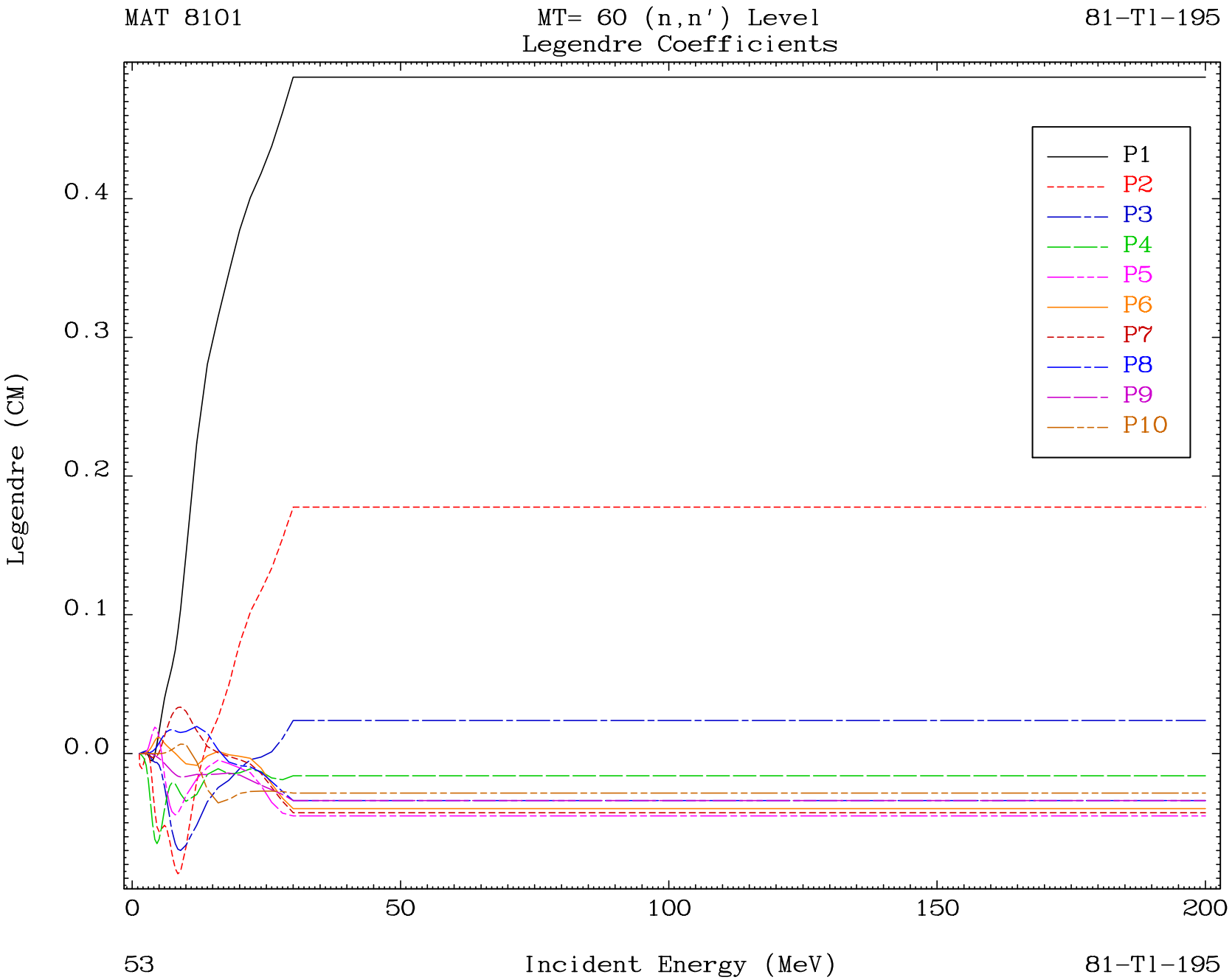

MAT 8101
MT= 58 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28

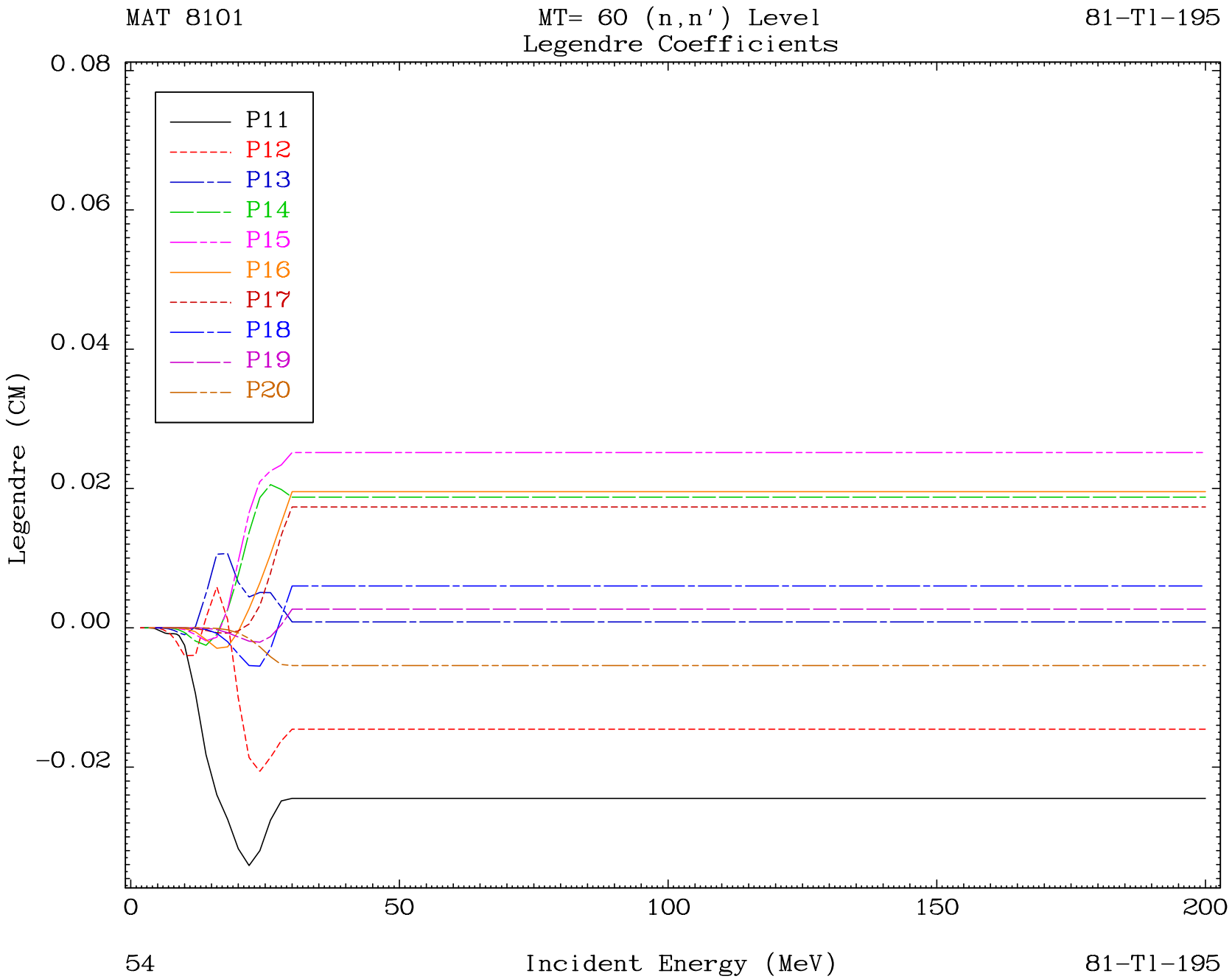

MAT 8101
MT= 59 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
49
Incident Energy (MeV)
81-Tl-195

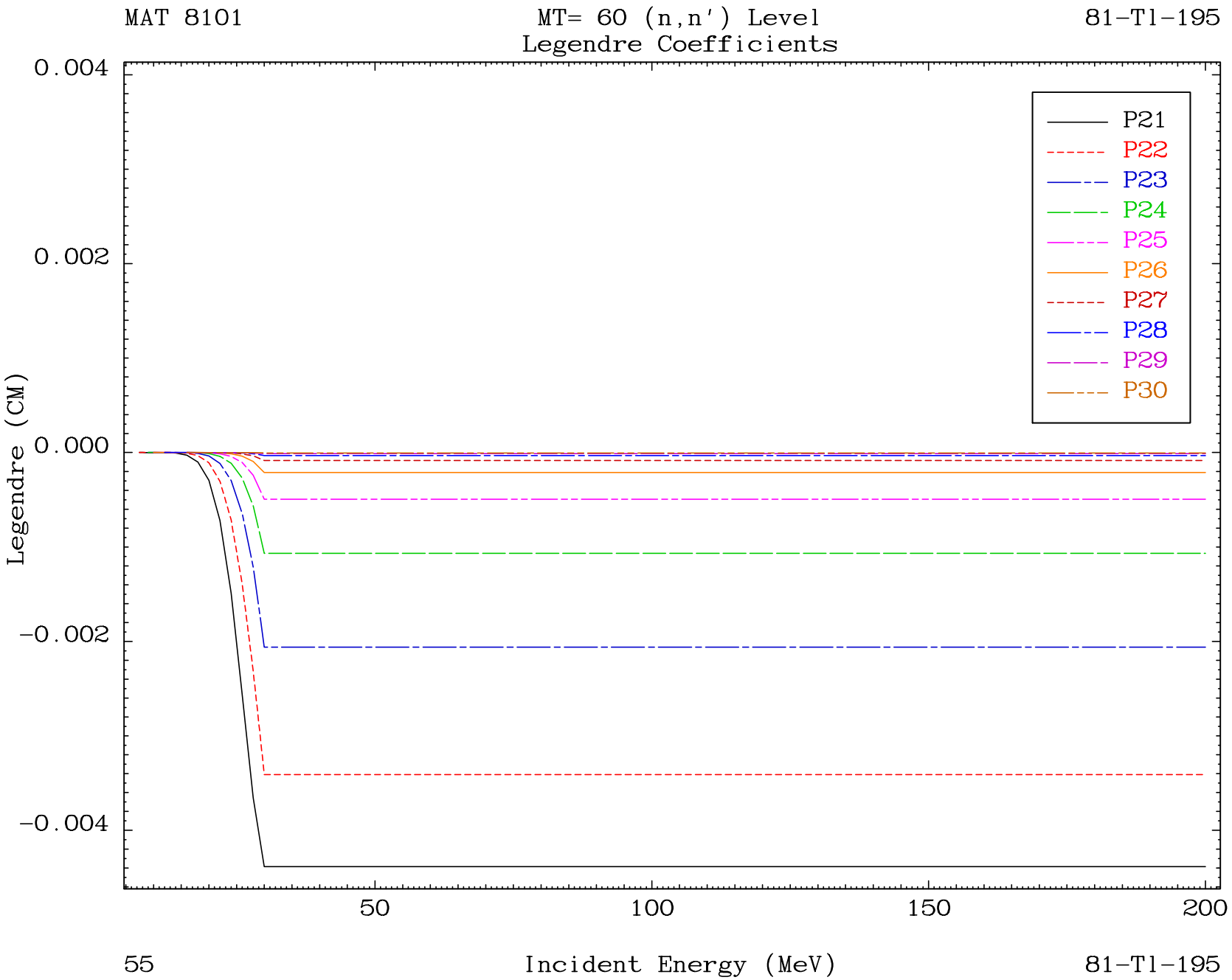

MAT 8101
MT= 59 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
50
Incident Energy (MeV)
81-Tl-195

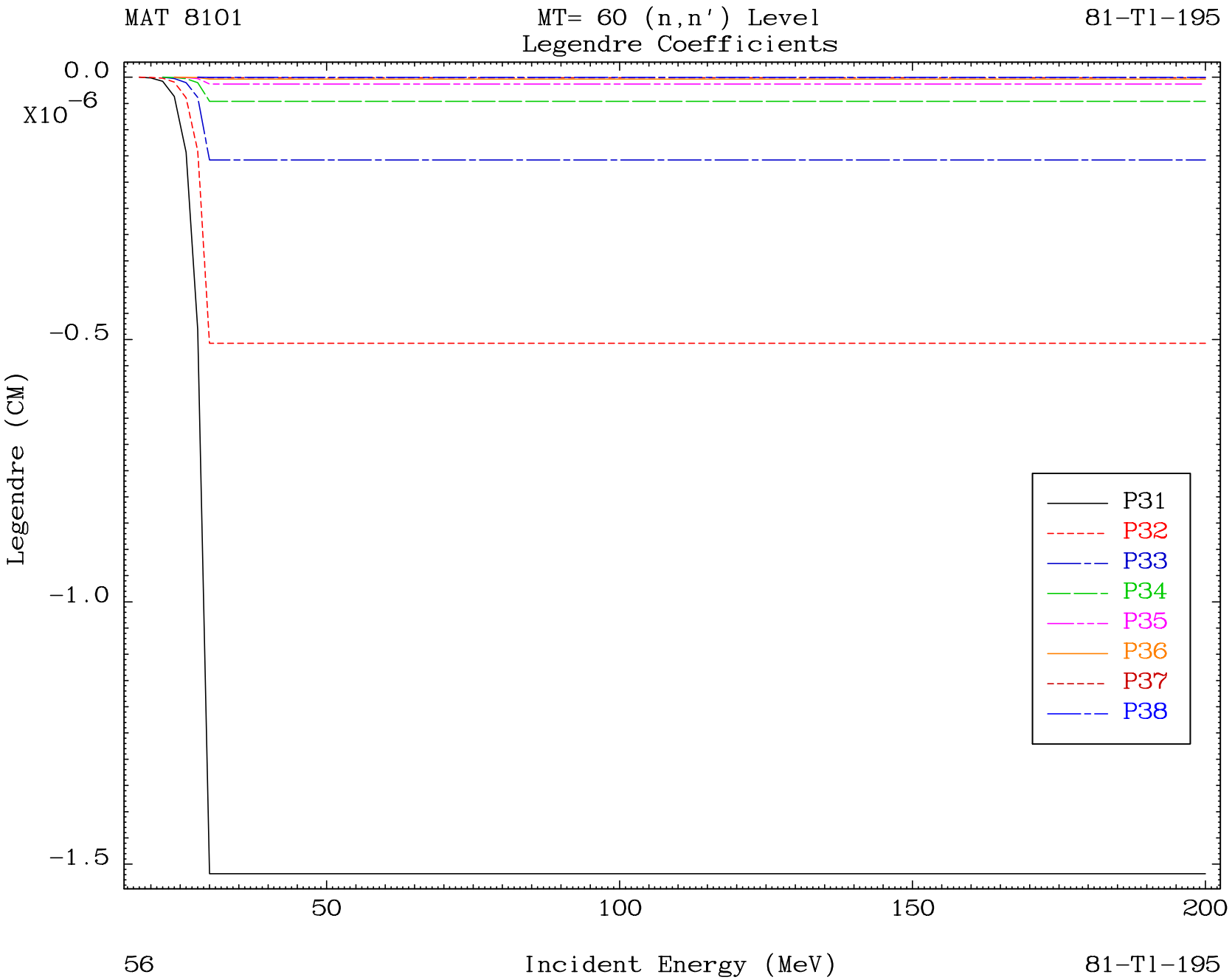

MAT 8101
MT= 59 (n,n') Level
Legendre Coefficients
81-Tl-195
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
51
Incident Energy (MeV)
81-Tl-195

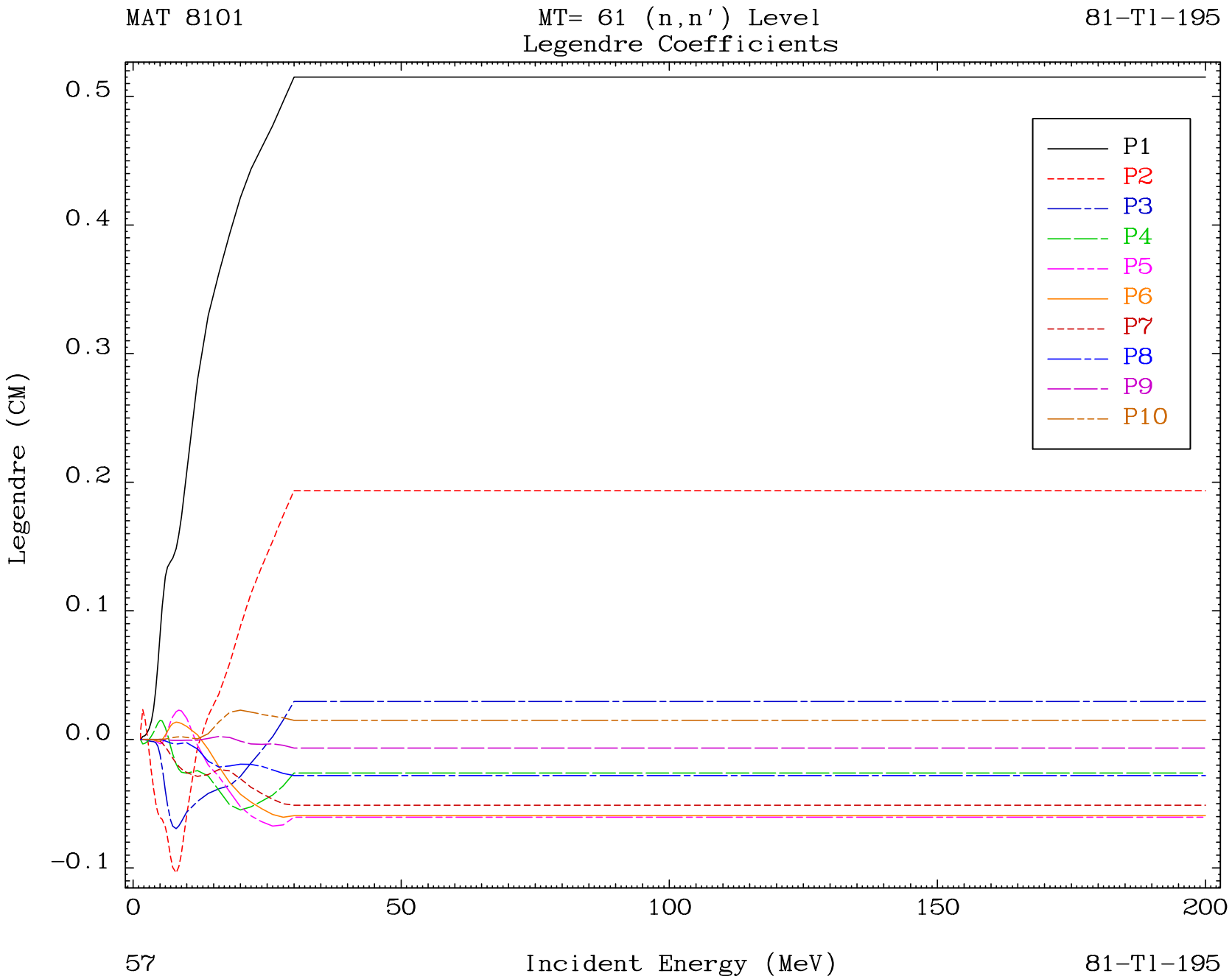

MAT 8101
MT= 59 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

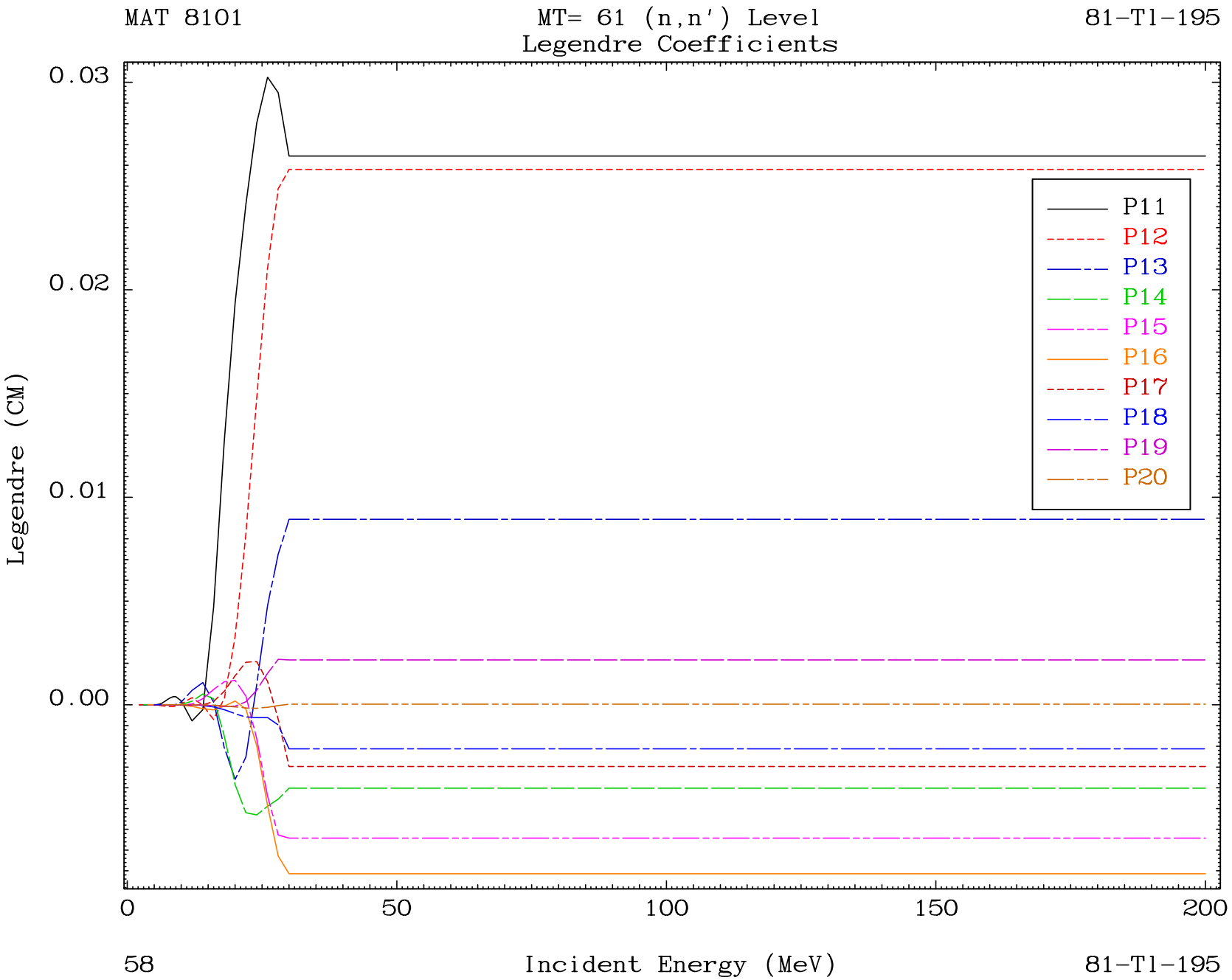

MAT 8101
MT= 60 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
53
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

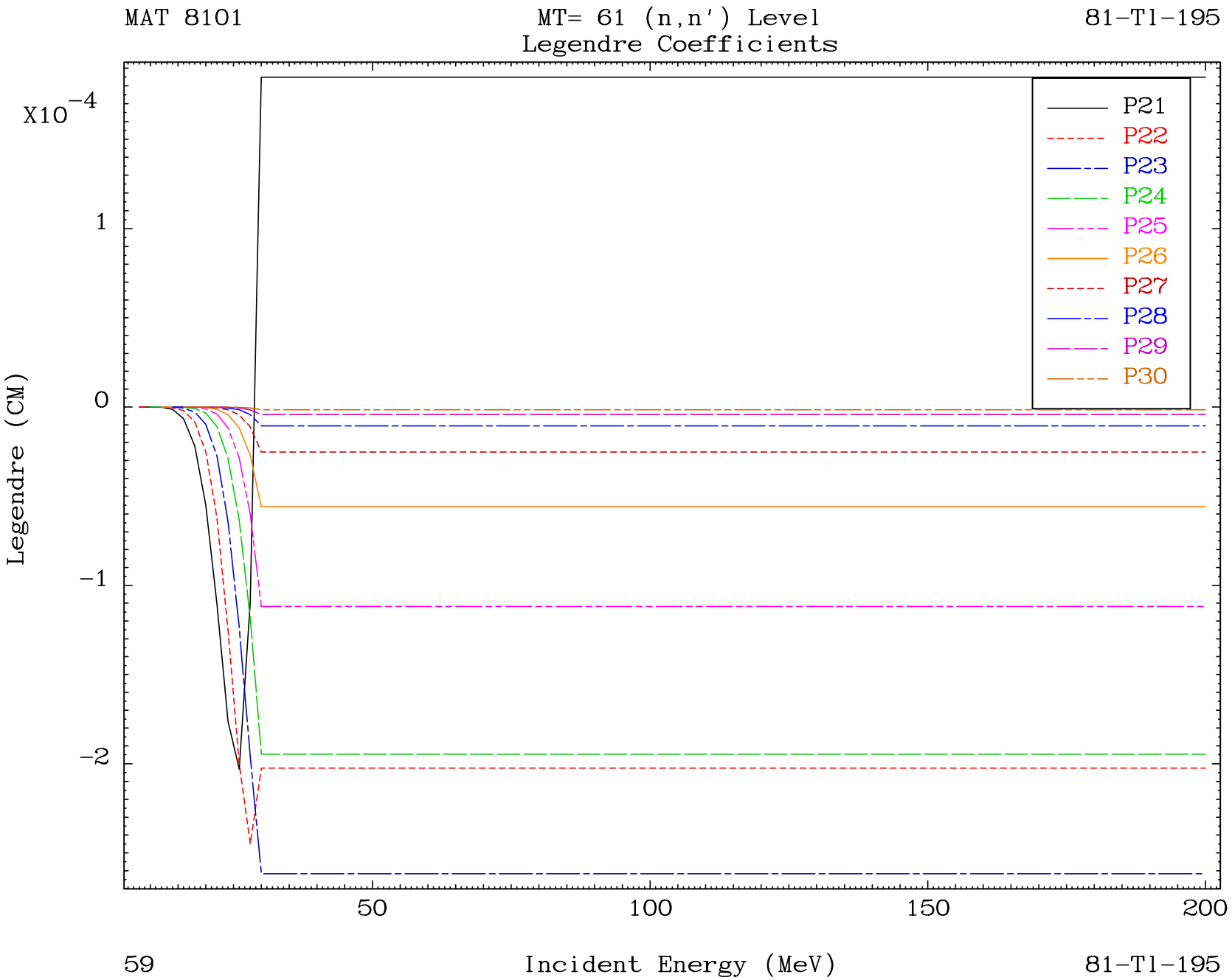

MAT 8101
MT= 60 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
54
Incident Energy (MeV)
81-Tl-195

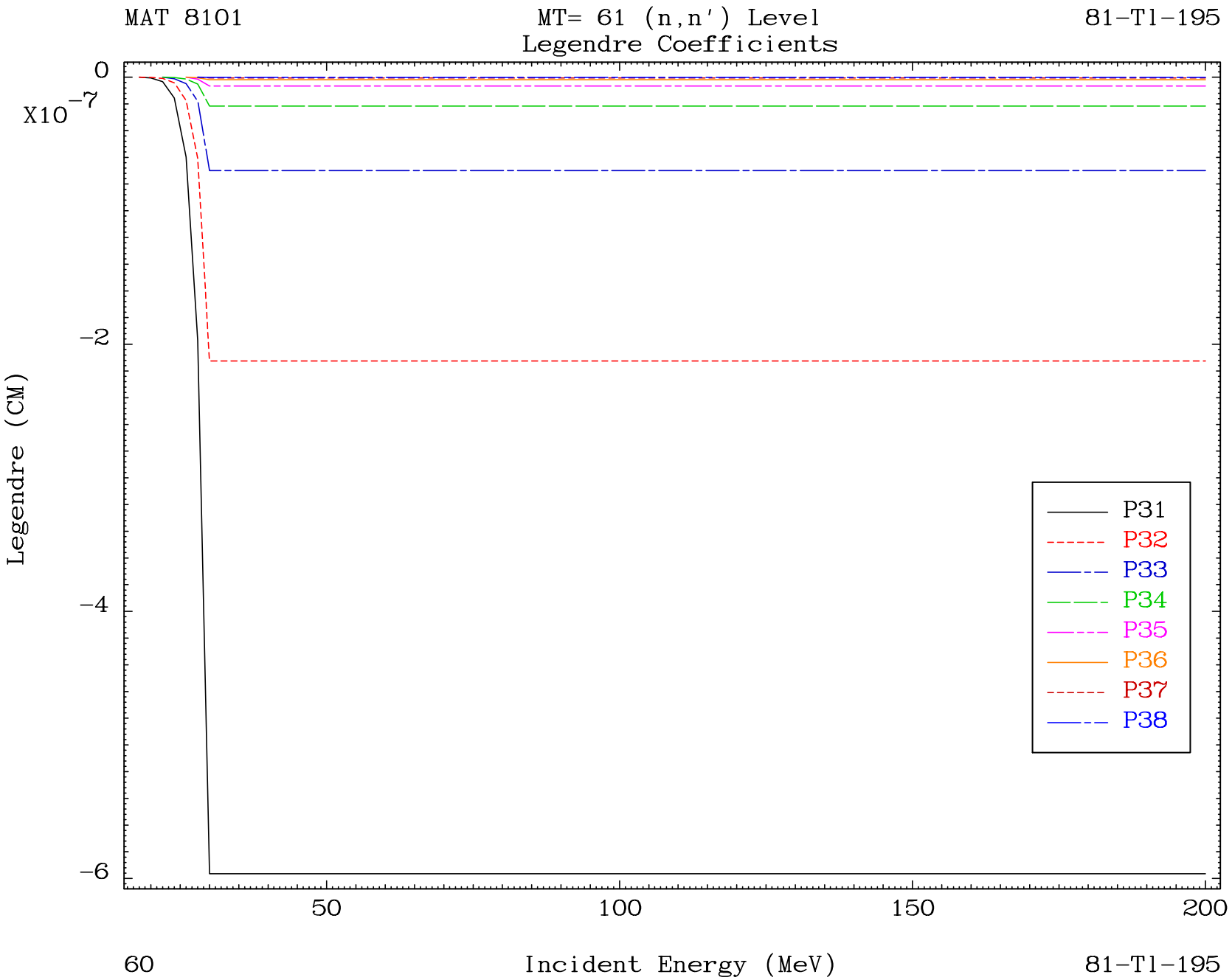

MAT 8101
MT= 60 (n,n') Level
Legendre Coefficients
81-Tl-195
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
55
Incident Energy (MeV)
81-Tl-195

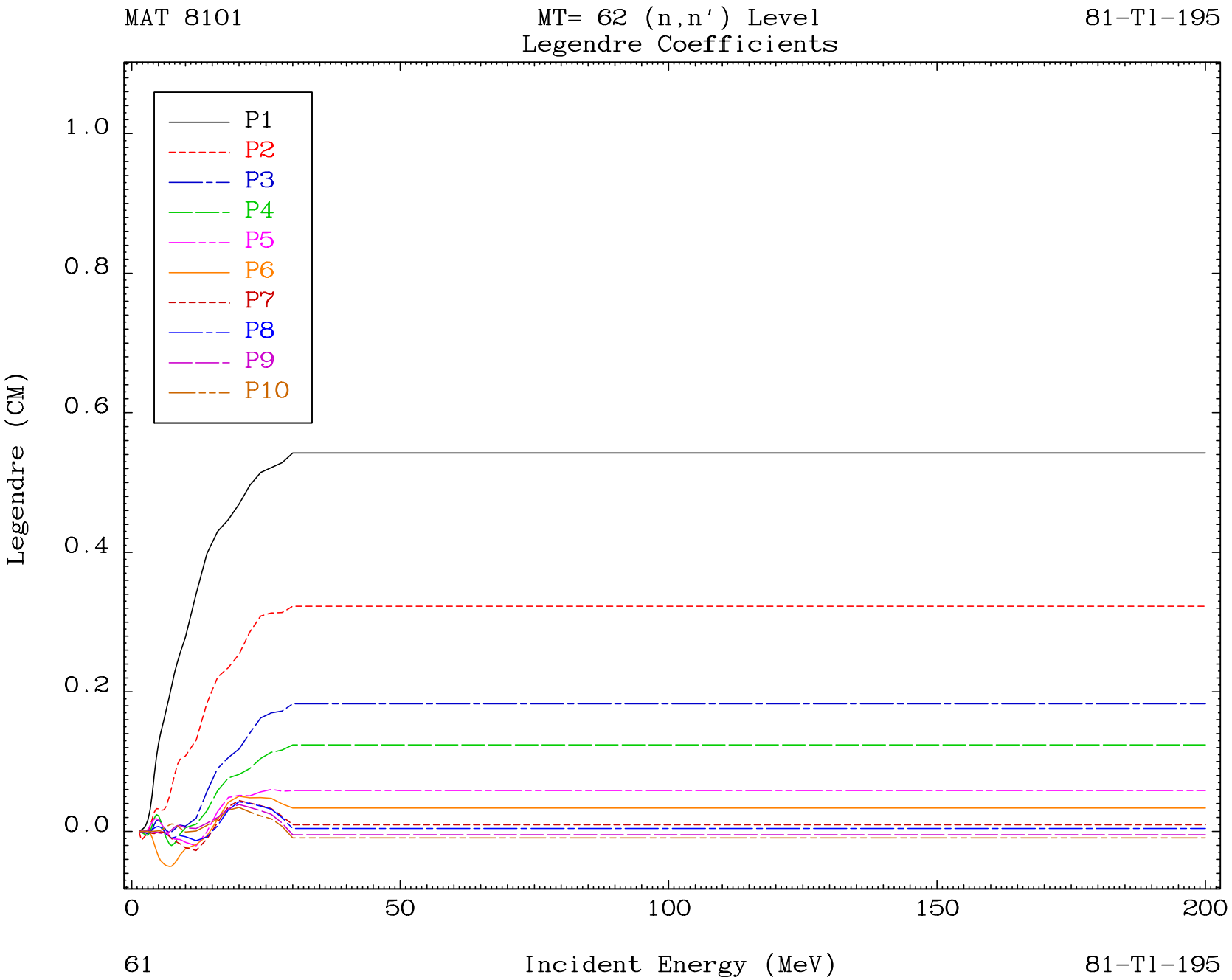

MAT 8101
MT= 60 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

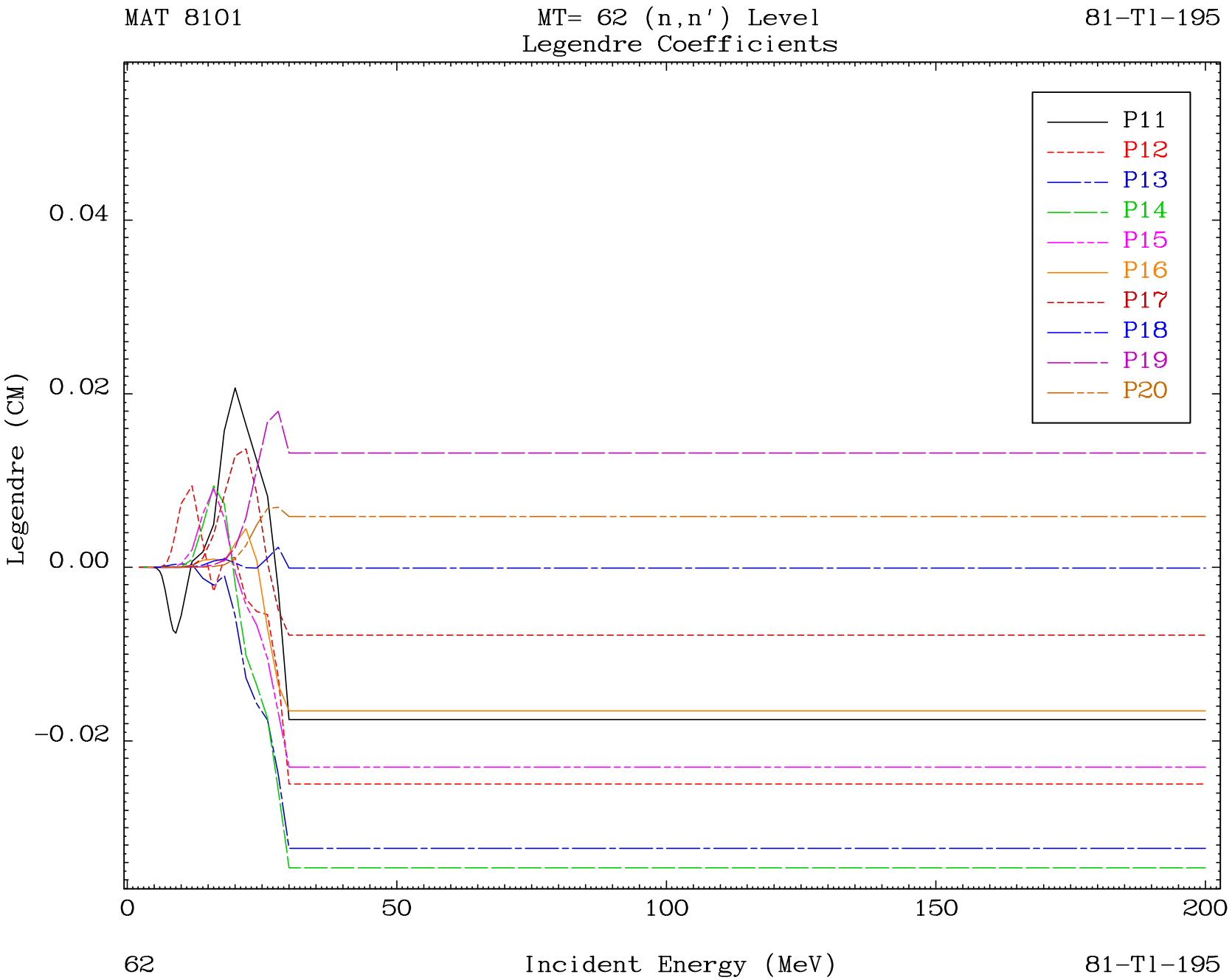

MAT 8101
MT= 61 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
57
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

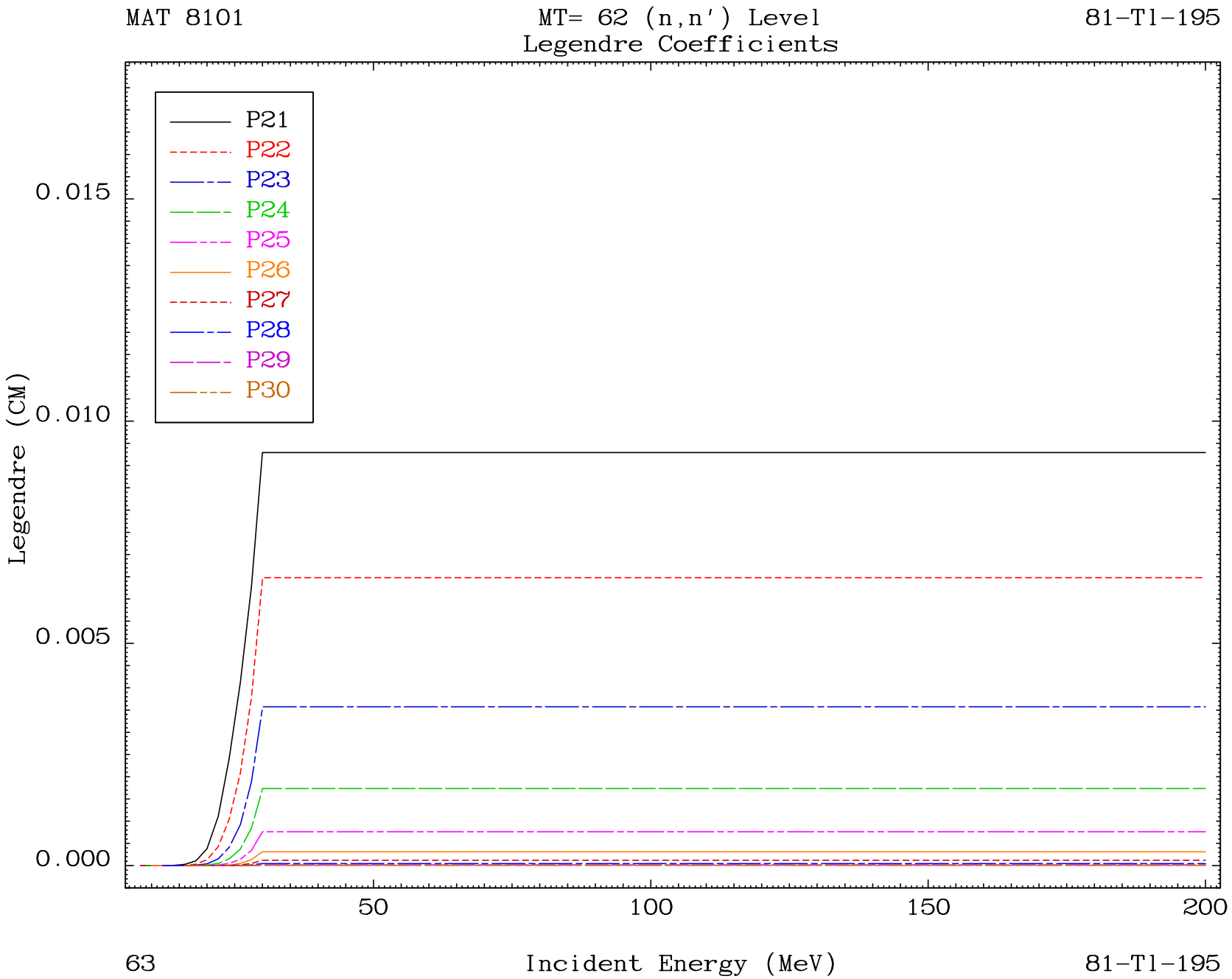

MAT 8101
MT= 61 (n,n') Level
Legendre Coefficients
81-Tl-195
0.03
0.02
0.01
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
58
Incident Energy (MeV)
81-Tl-195

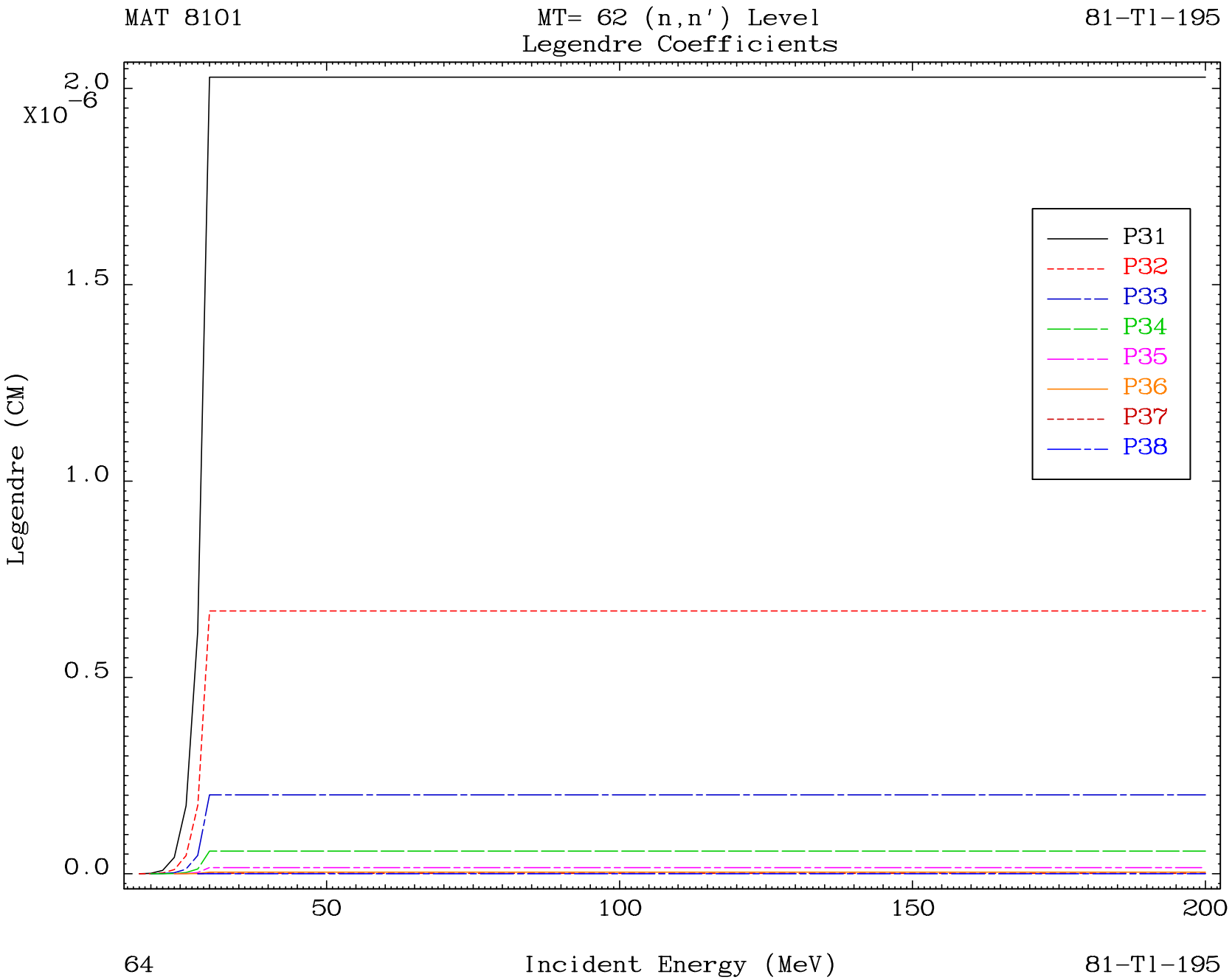

MAT 8101
MT= 61 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
59
Incident Energy (MeV)
81-Tl-195

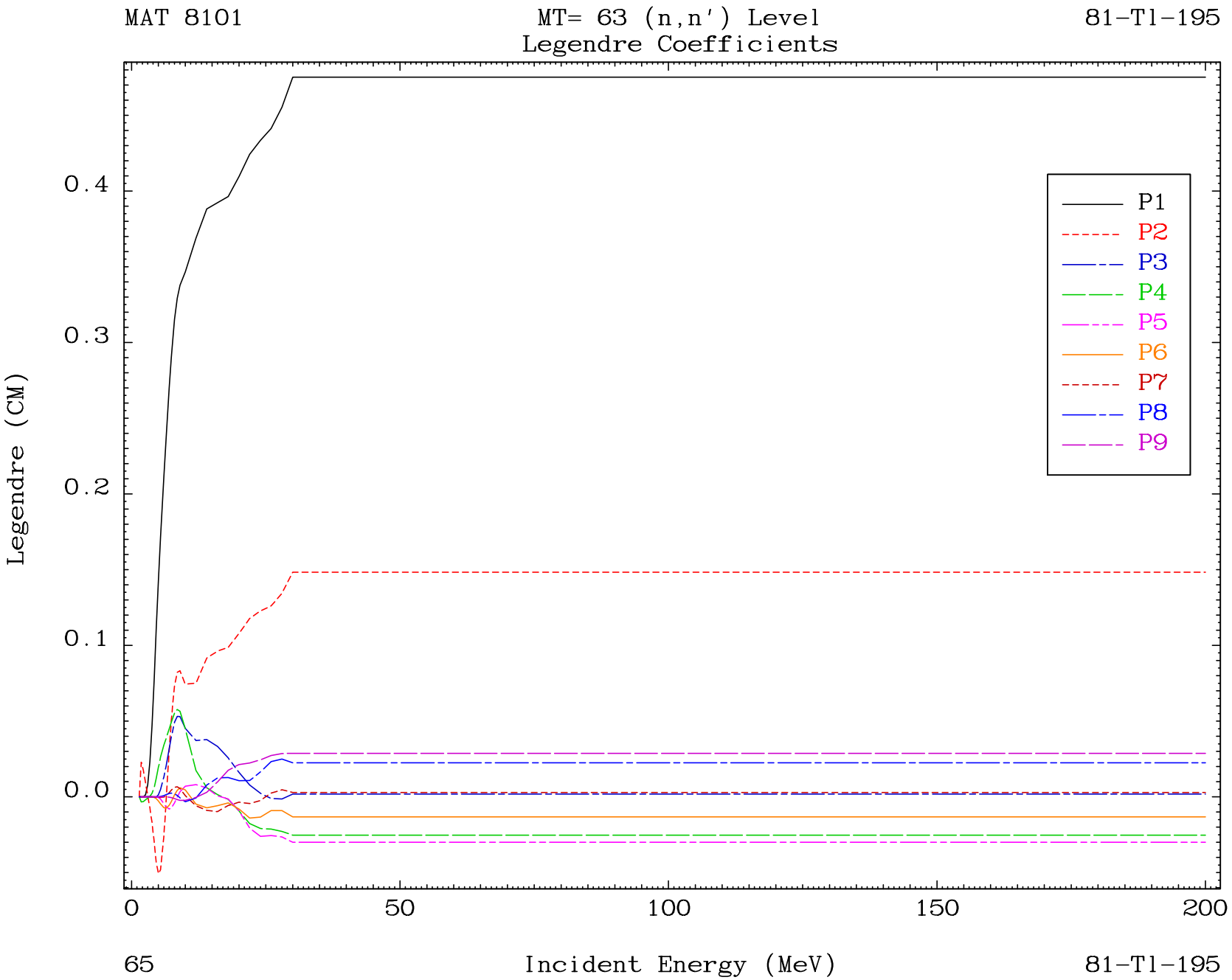

MAT 8101
MT= 61 (n,n') Level
Legendre Coefficients
81-Tl-195
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

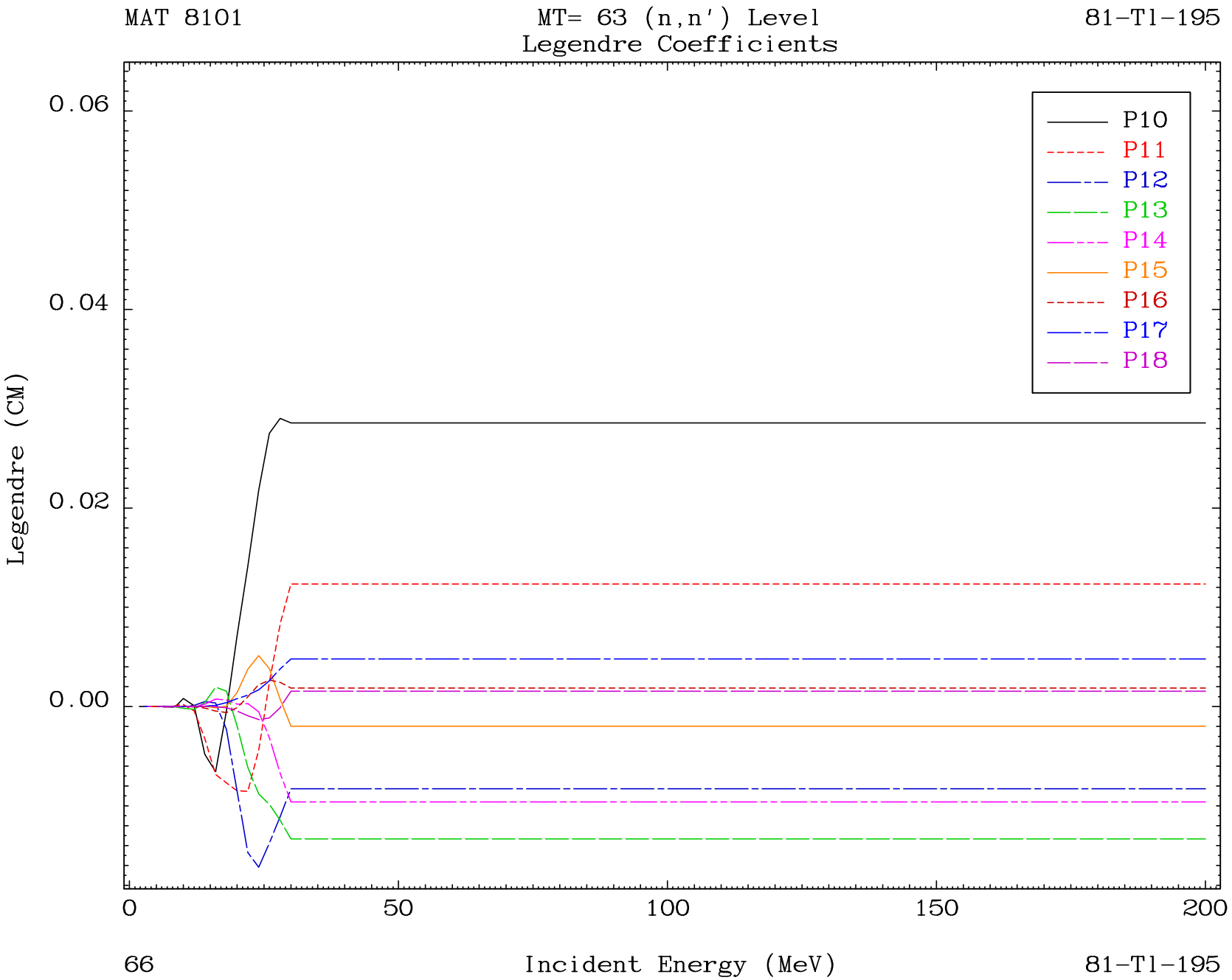

MAT 8101
MT= 62 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
61
Incident Energy (MeV)
81-Tl-195

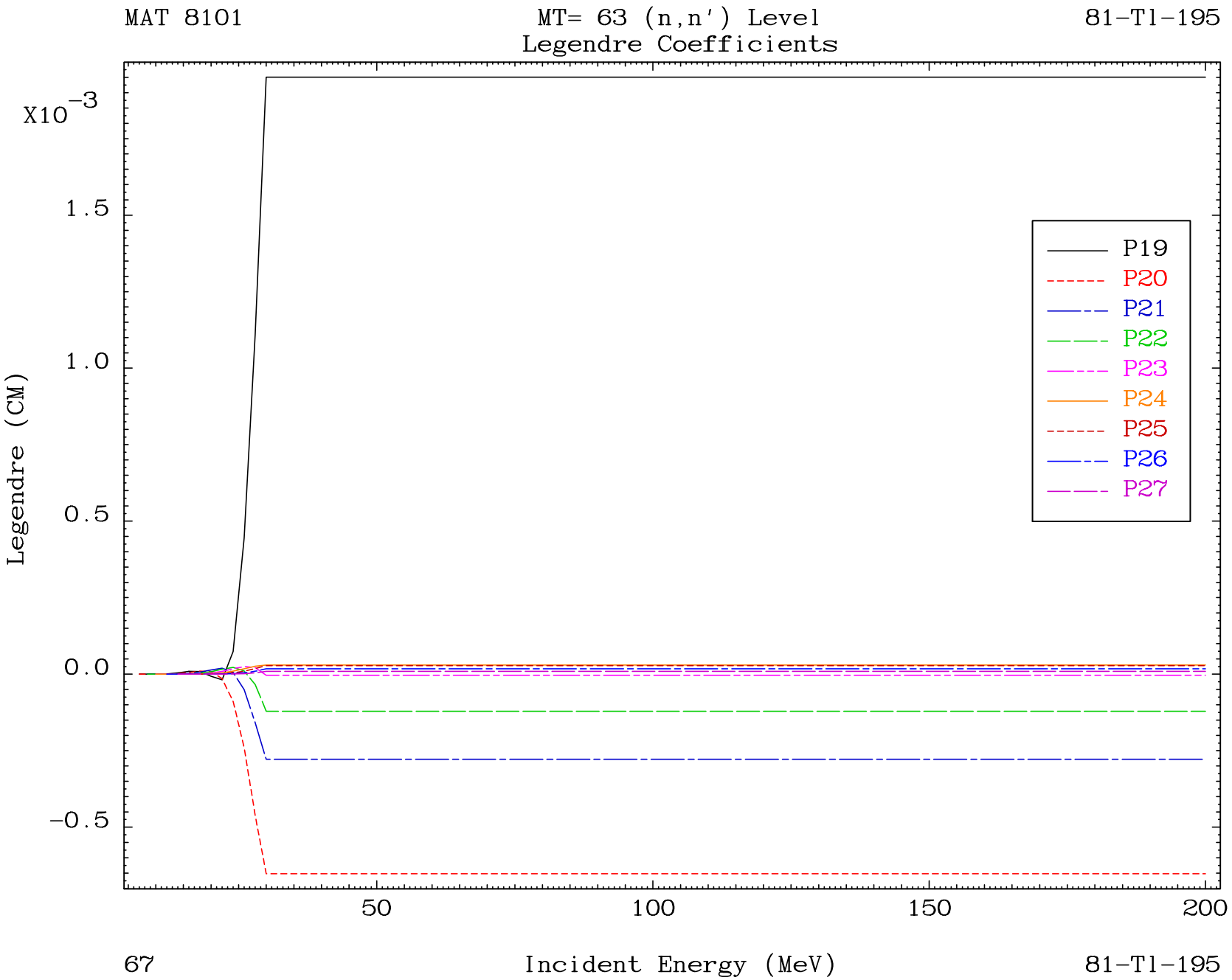

MAT 8101
MT= 62 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
62
Incident Energy (MeV)
81-Tl-195

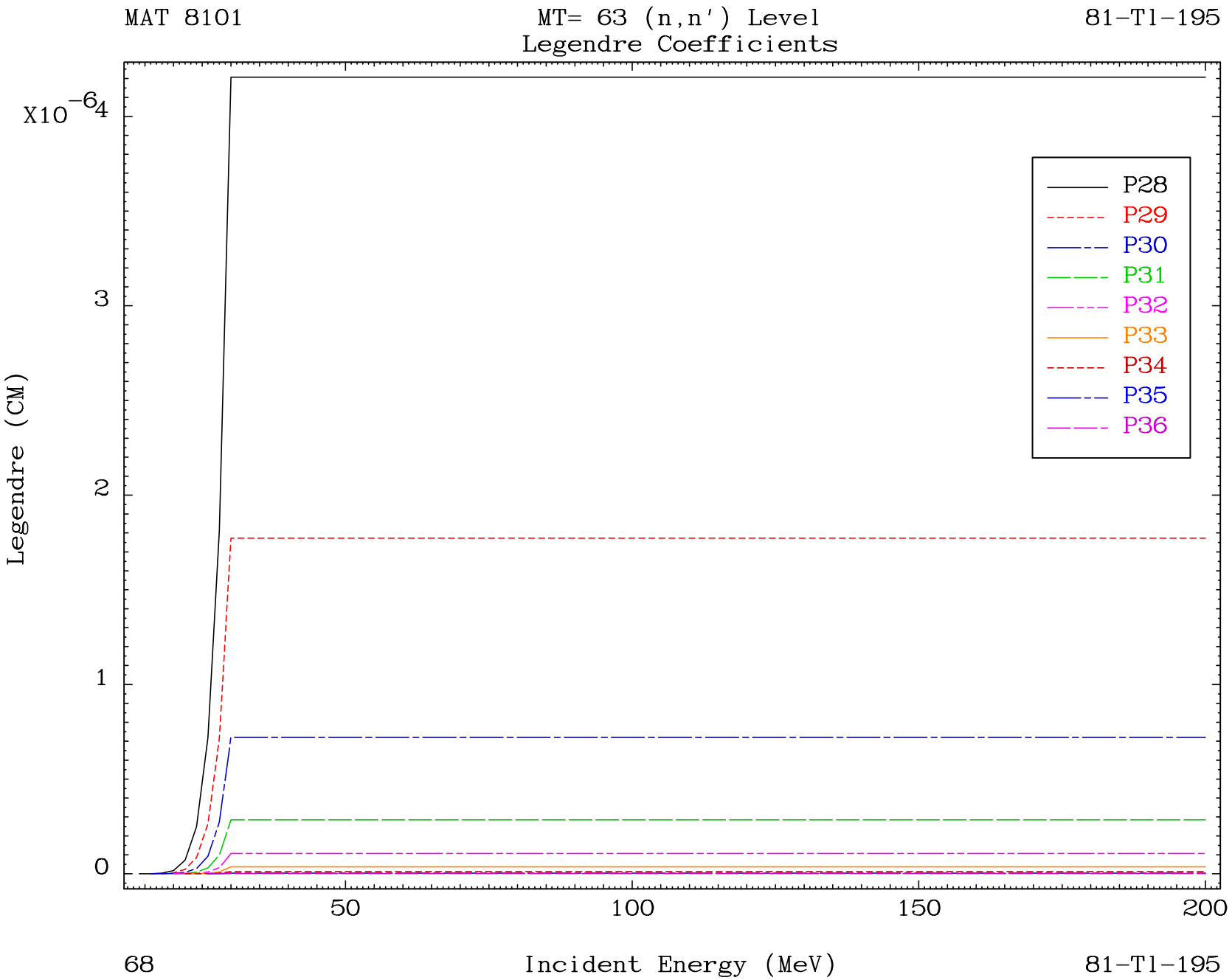

MAT 8101
MT= 62 (n,n') Level
Legendre Coefficients
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
81-Tl-195

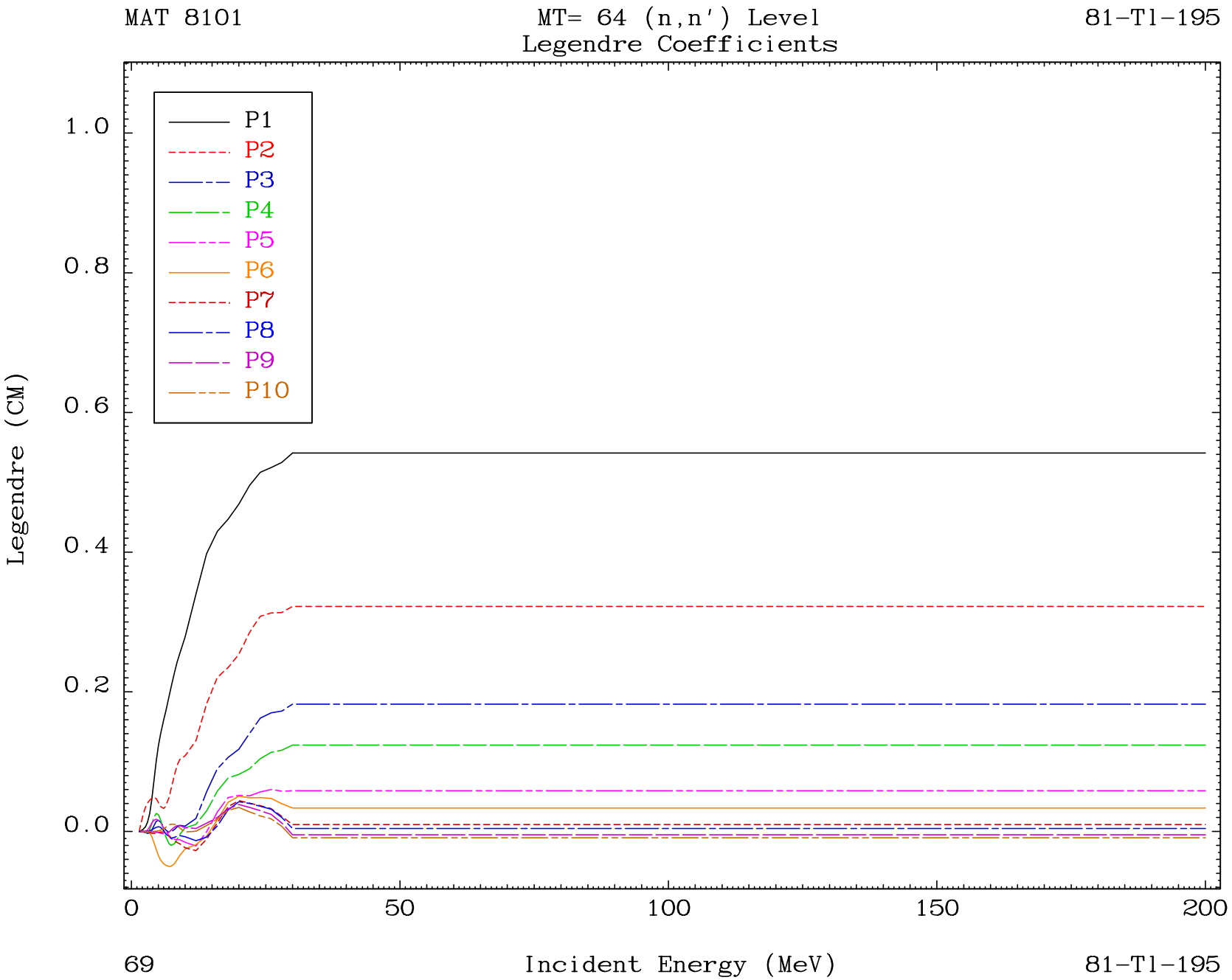

MAT 8101
MT= 62 (n,n') Level
Legendre Coefficients
81-Tl-195
X10 -6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
64
Incident Energy (MeV)
81-Tl-195

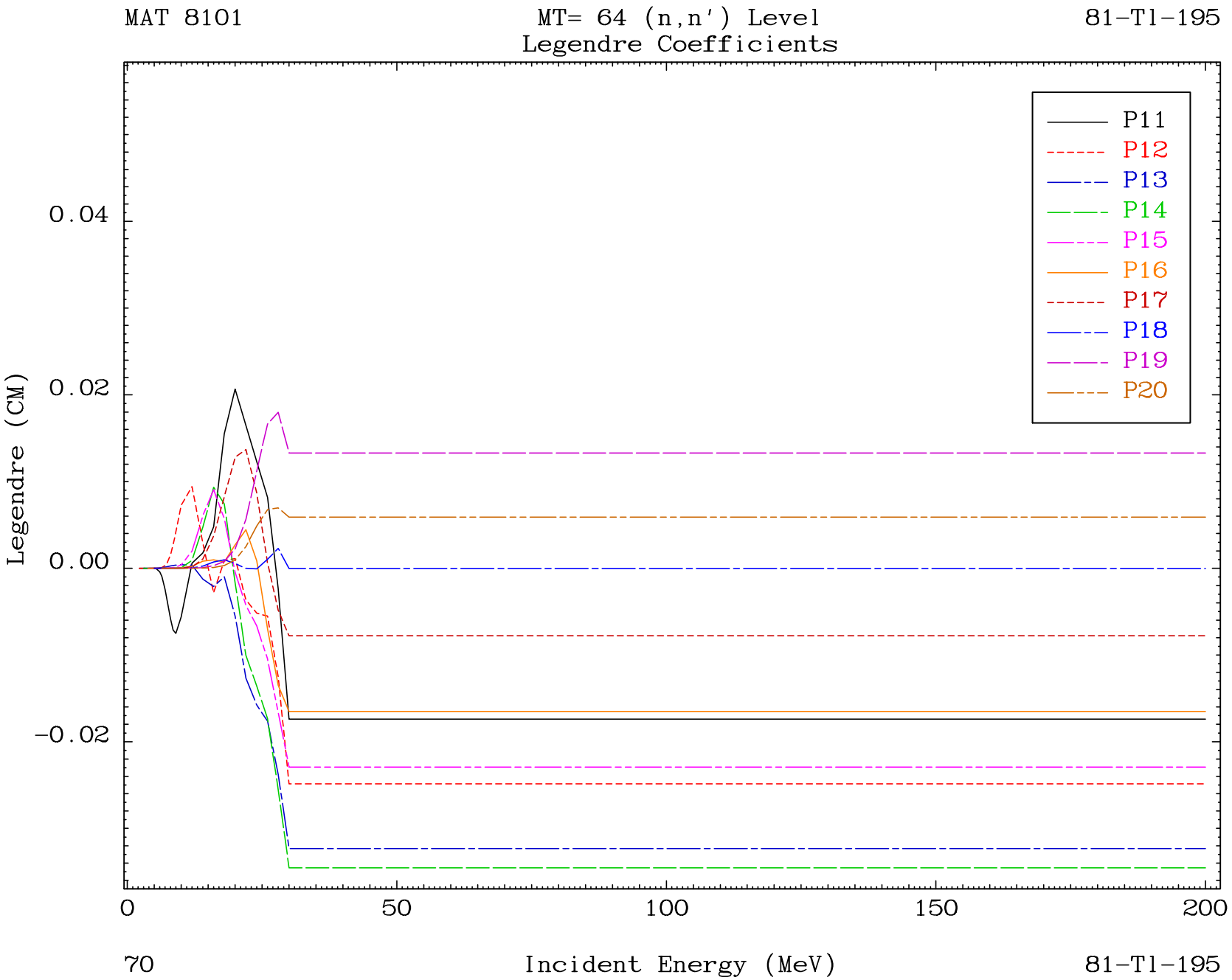

MAT 8101
MT= 63 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
65
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9

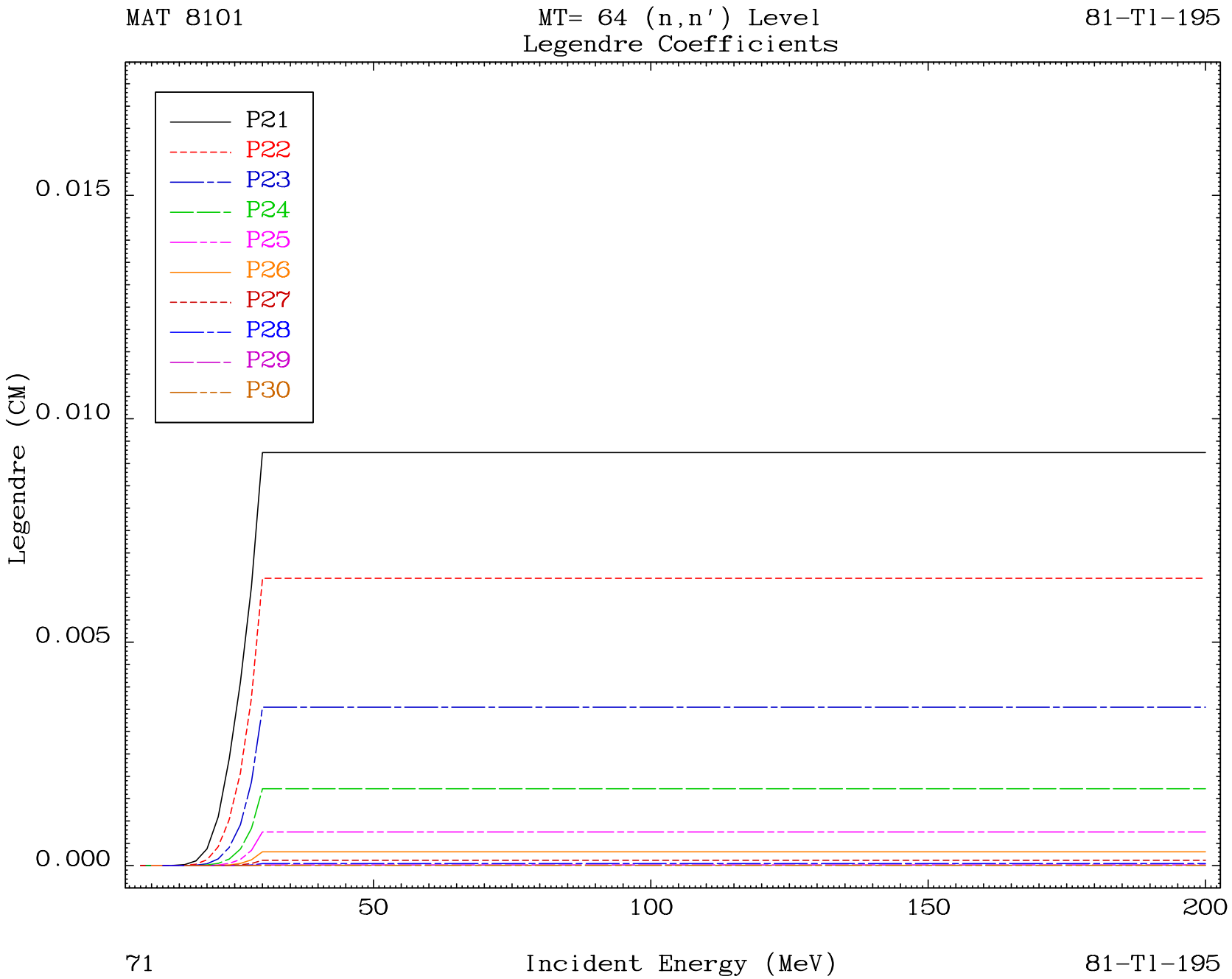

MAT 8101
MT= 63 (n,n') Level
Legendre Coefficients
81-Tl-195
0.06
0.04
0.02
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
66
Incident Energy (MeV)
81-Tl-195

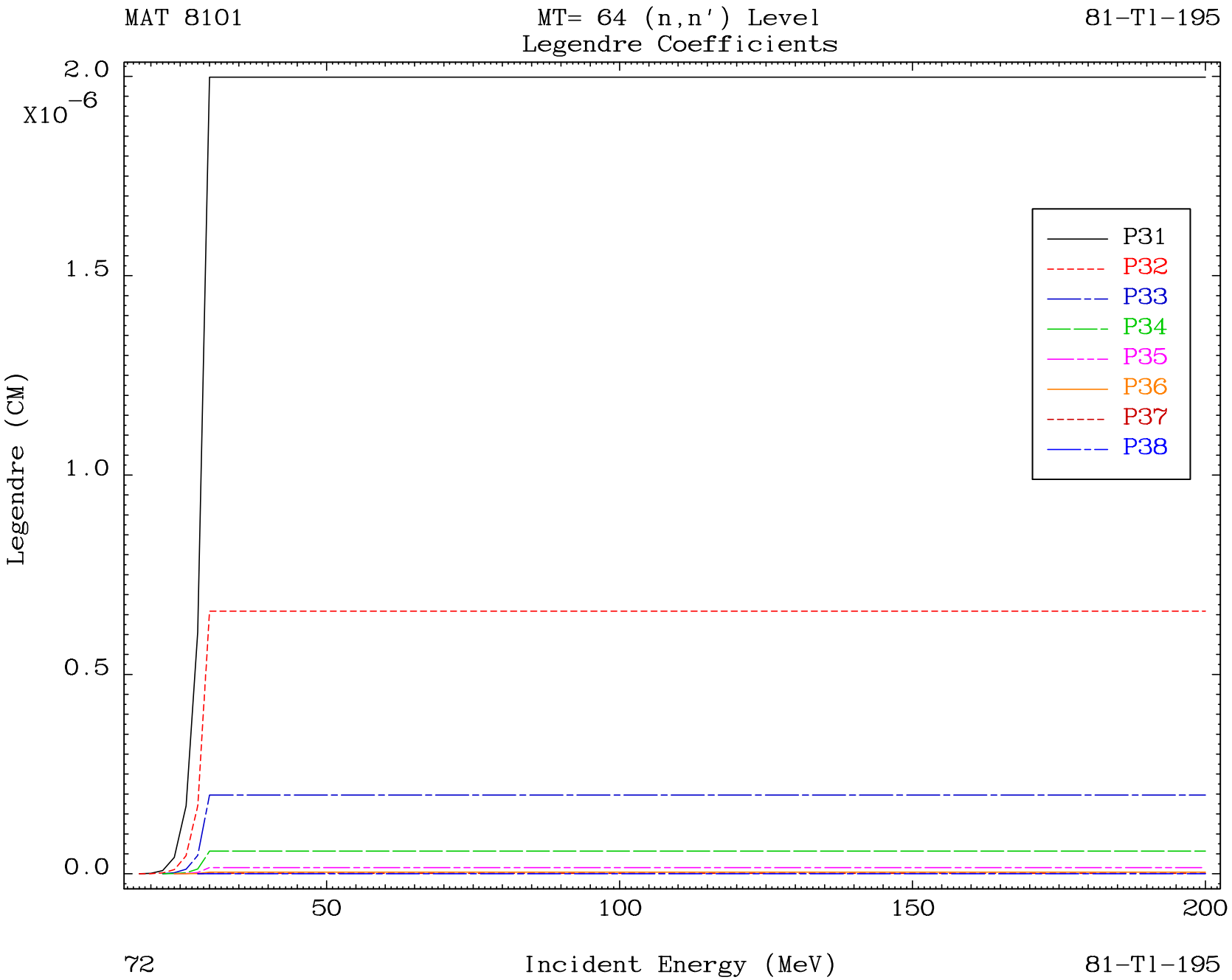

MAT 8101
MT= 63 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-3
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
67
Incident Energy (MeV)
81-Tl-195

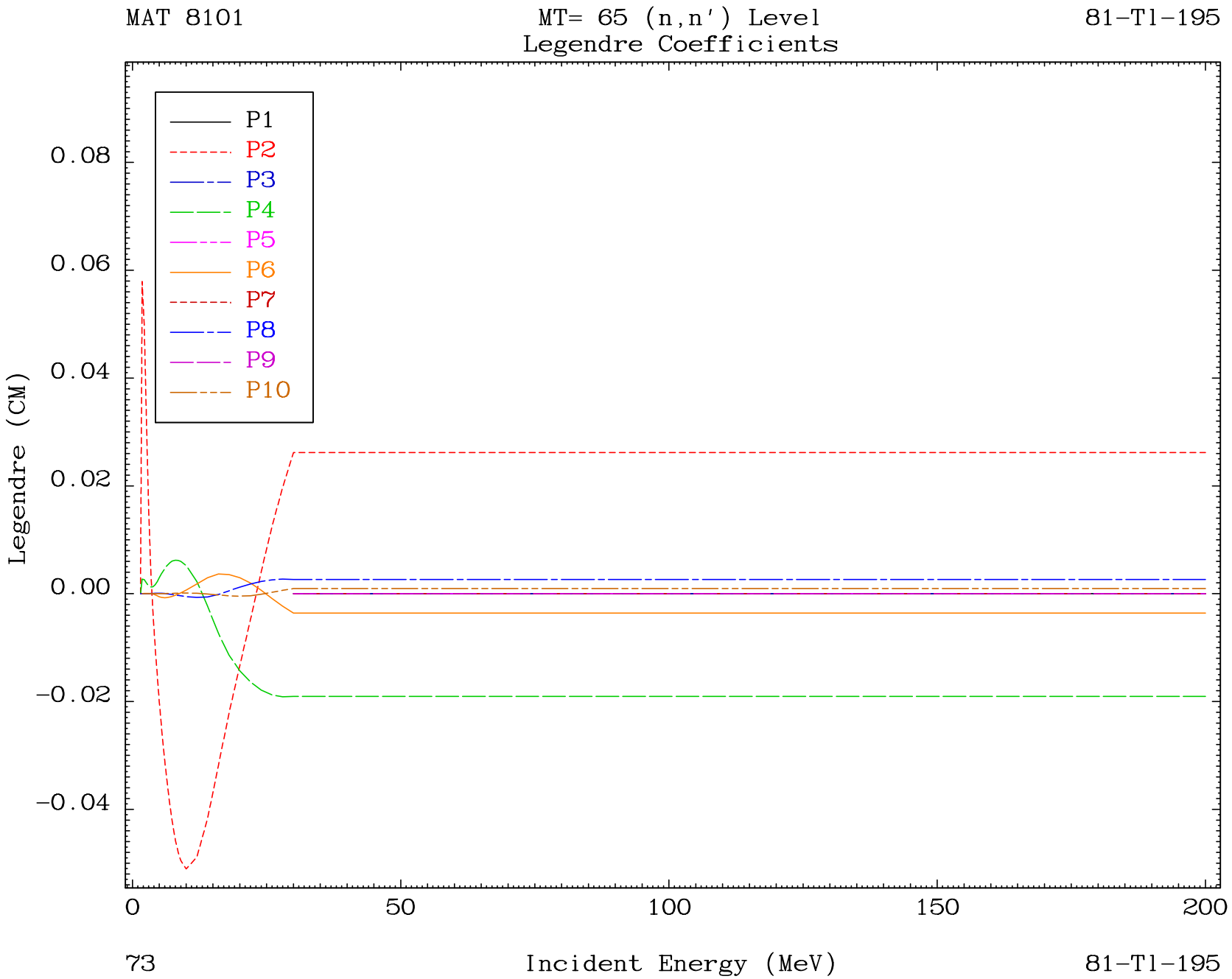

MAT 8101
MT= 63 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
68
Incident Energy (MeV)
81-Tl-195

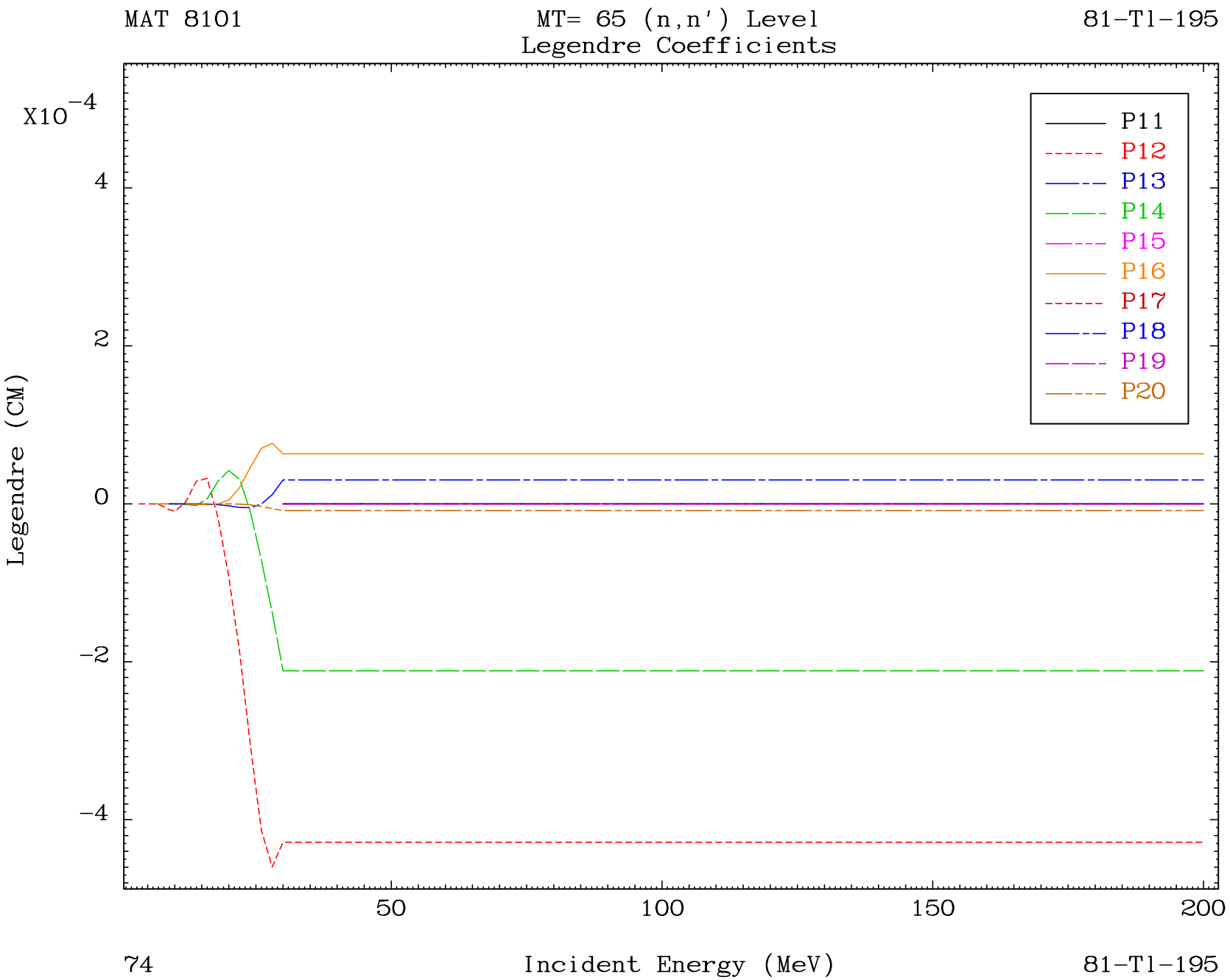

MAT 8101
MT= 64 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
69
Incident Energy (MeV)
81-Tl-195

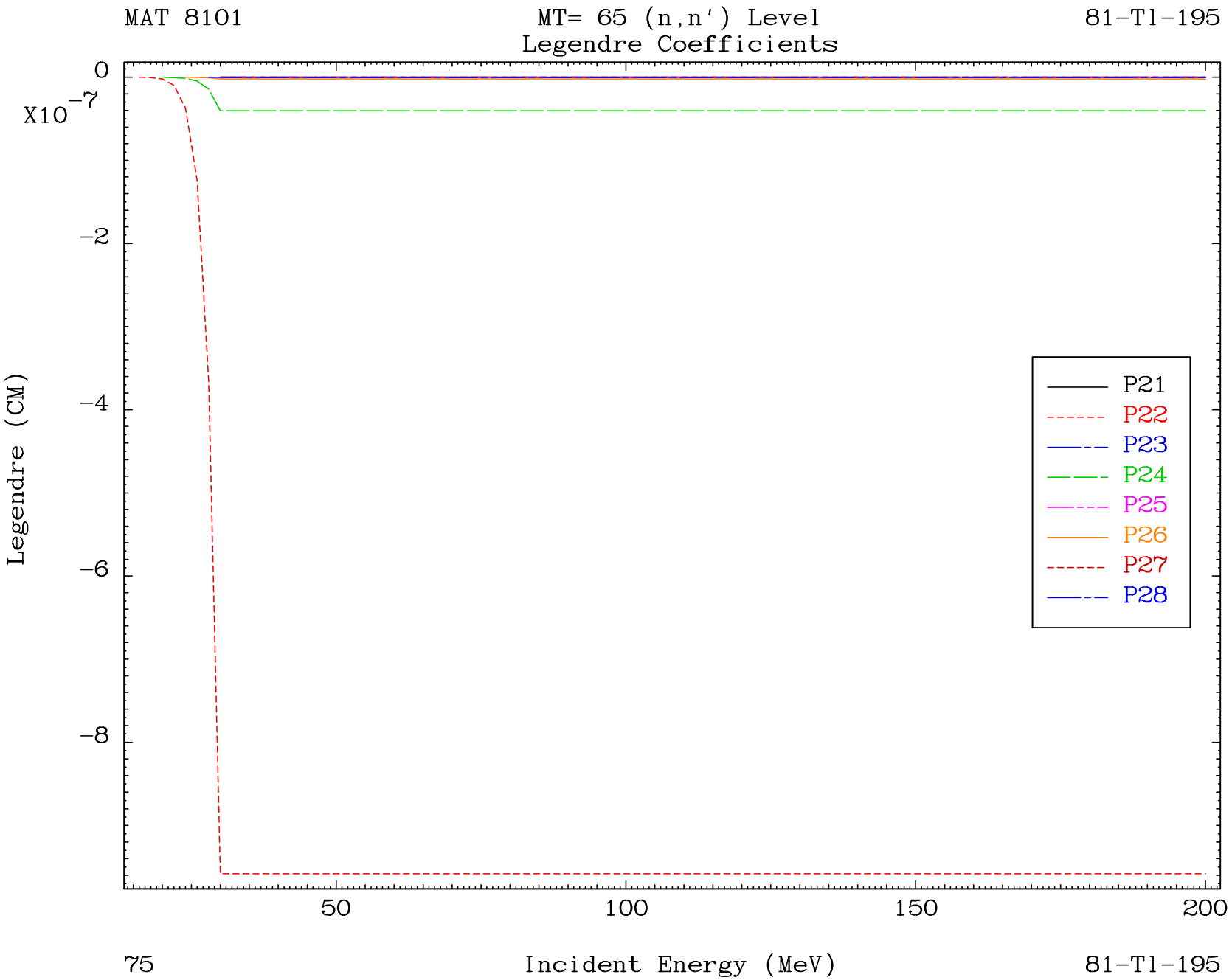

MAT 8101
MT= 64 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
70
Incident Energy (MeV)
81-Tl-195

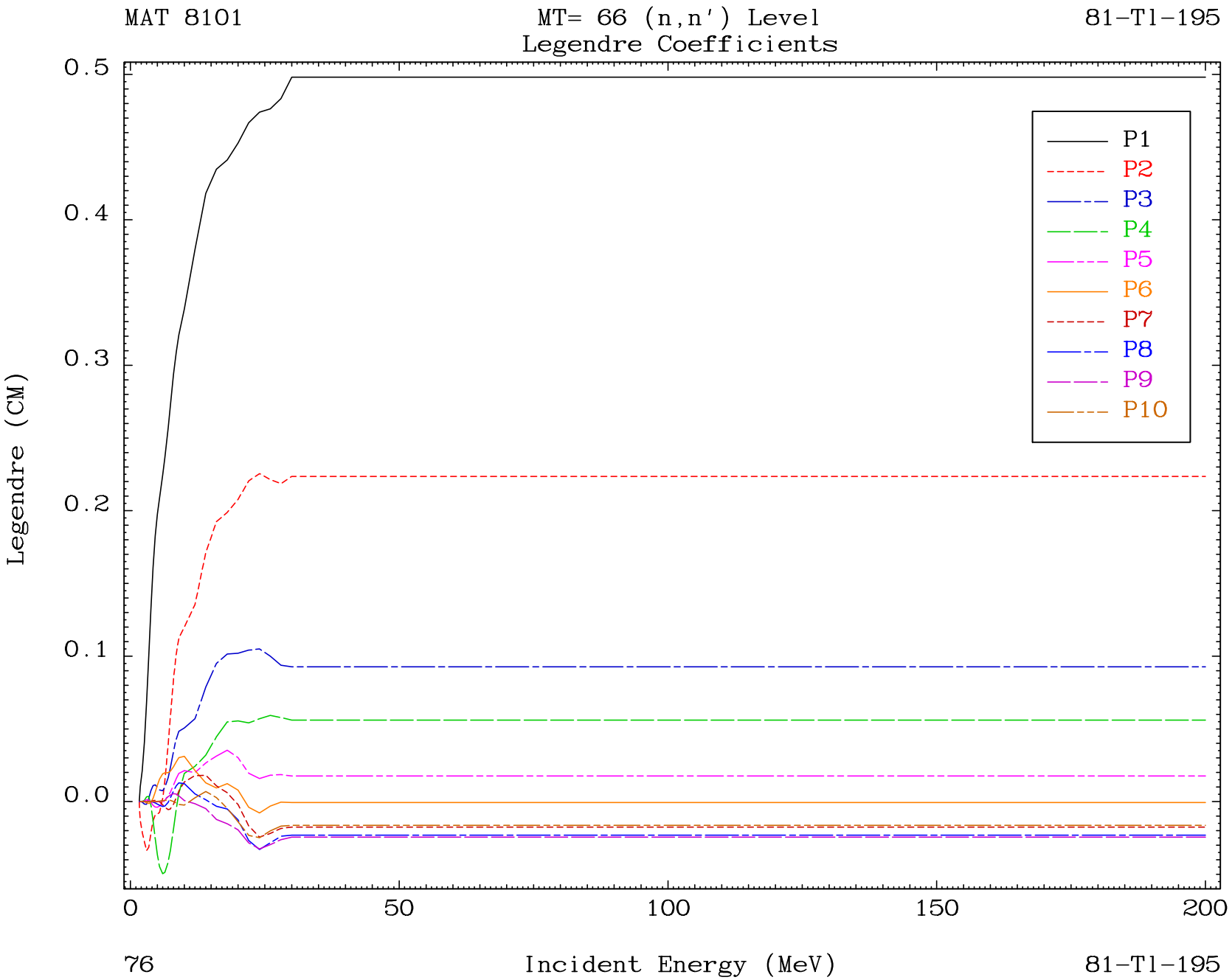

MAT 8101
MT= 64 (n,n') Level
Legendre Coefficients
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
81-Tl-195

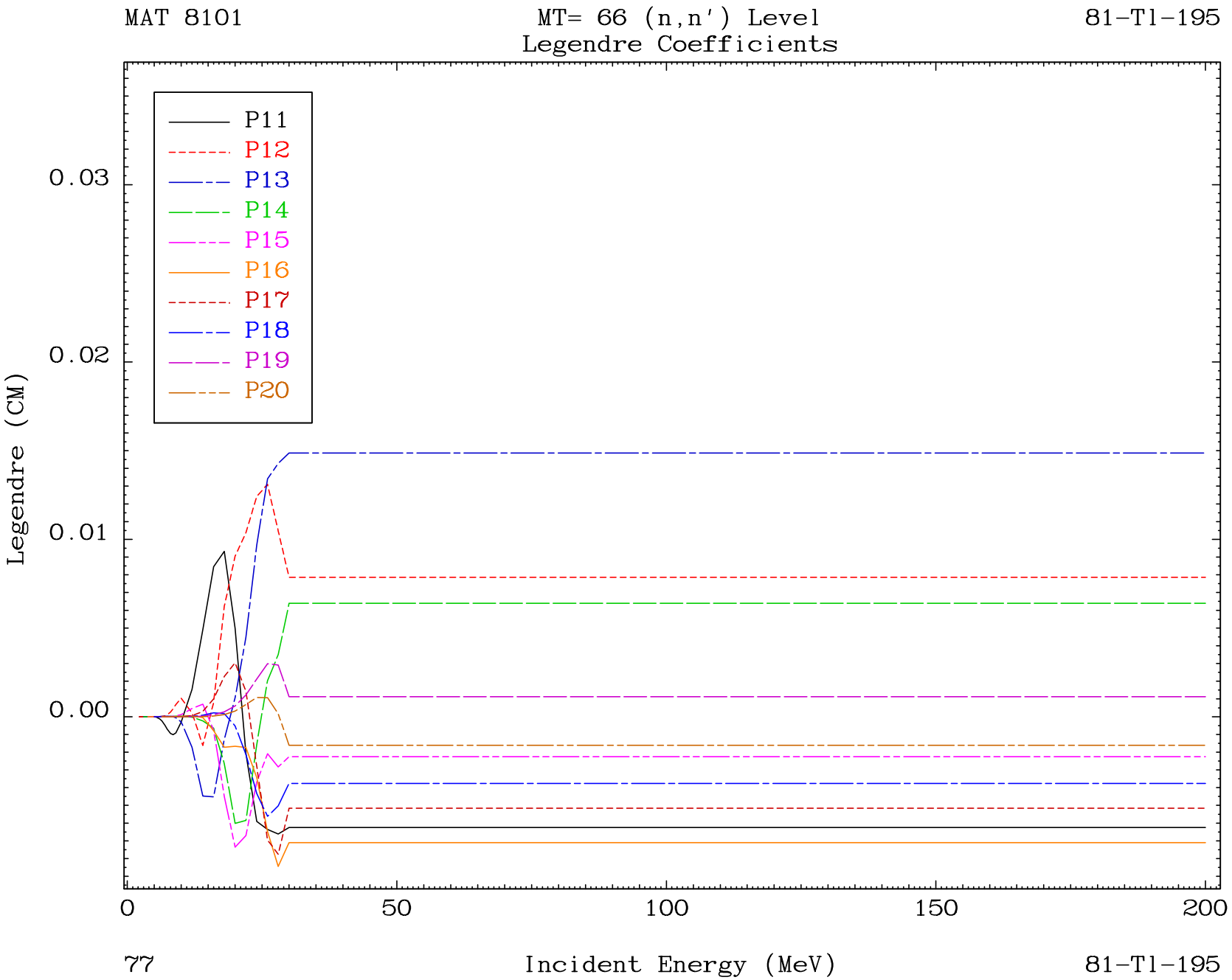

MAT 8101
MT= 64 (n,n') Level
Legendre Coefficients
81-Tl-195
2.0
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
72
Incident Energy (MeV)
81-Tl-195

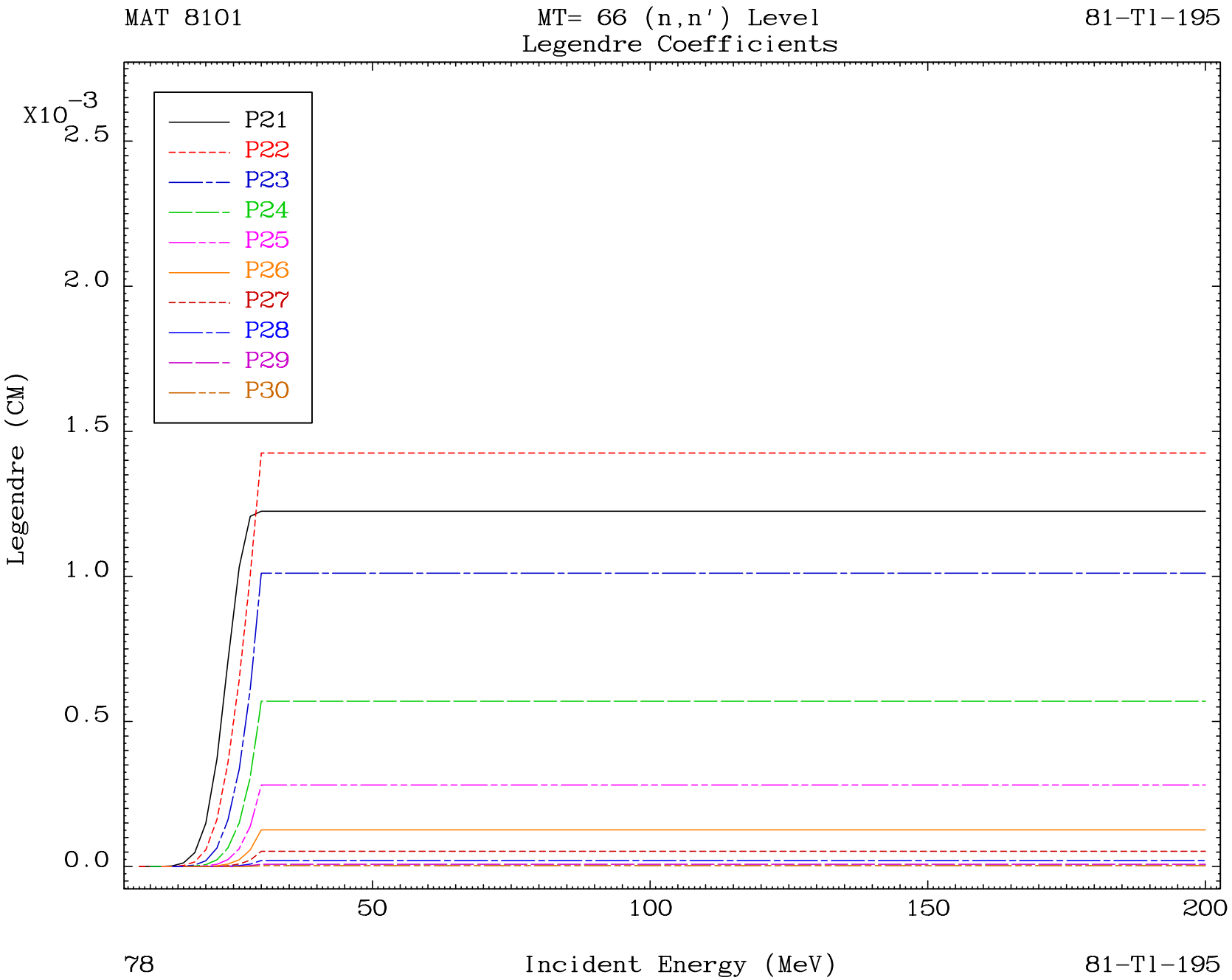

MAT 8101
MT= 65 (n,n') Level
Legendre Coefficients
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
81-Tl-195

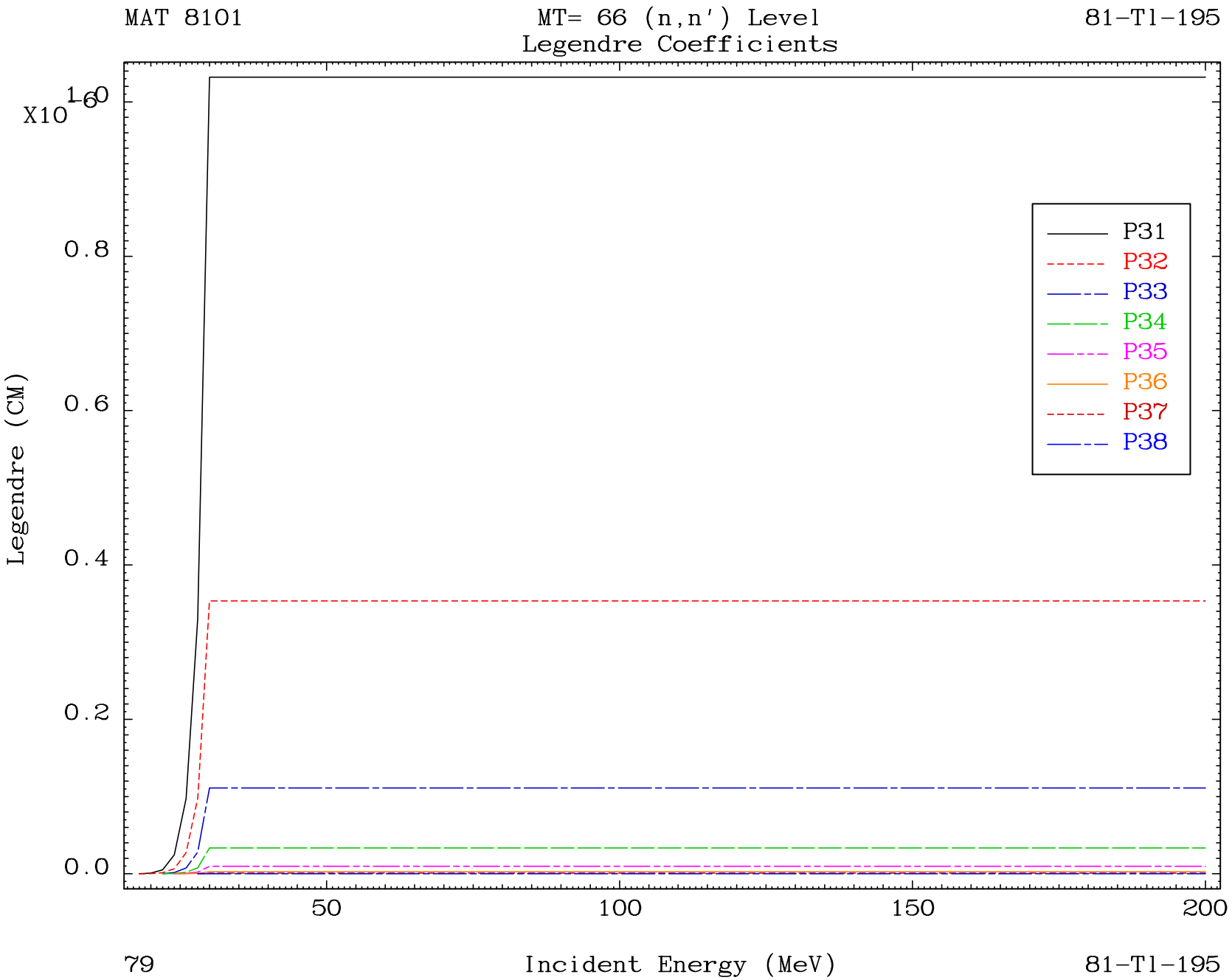

MAT 8101
MT= 65 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
4
2
0
-2
-4
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
74
Incident Energy (MeV)
81-Tl-195

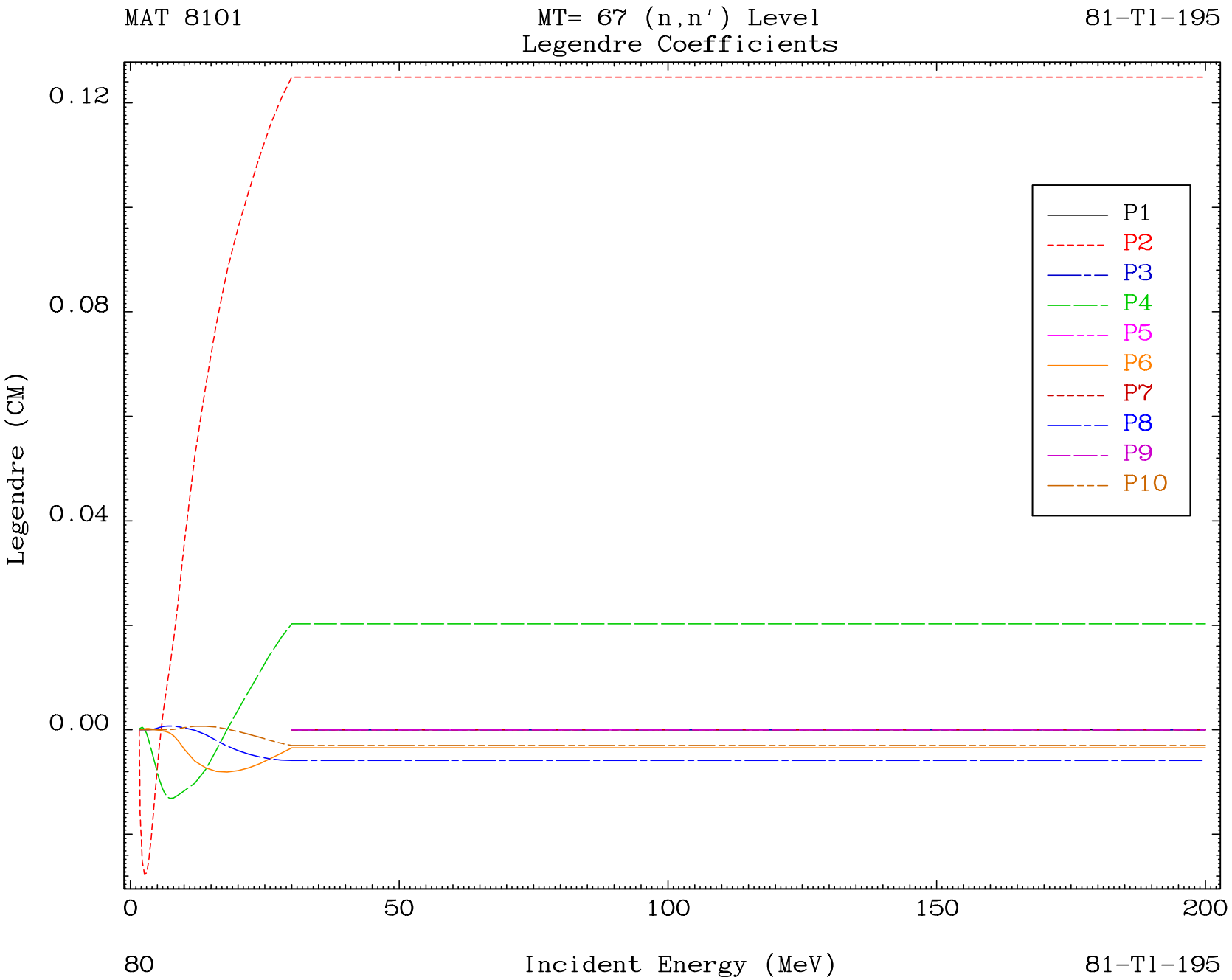

MAT 8101
MT= 65 (n,n') Level
Legendre Coefficients
81-Tl-195
0
X10-7
-2
-4
-6
-8
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
75
Incident Energy (MeV)
81-Tl-195

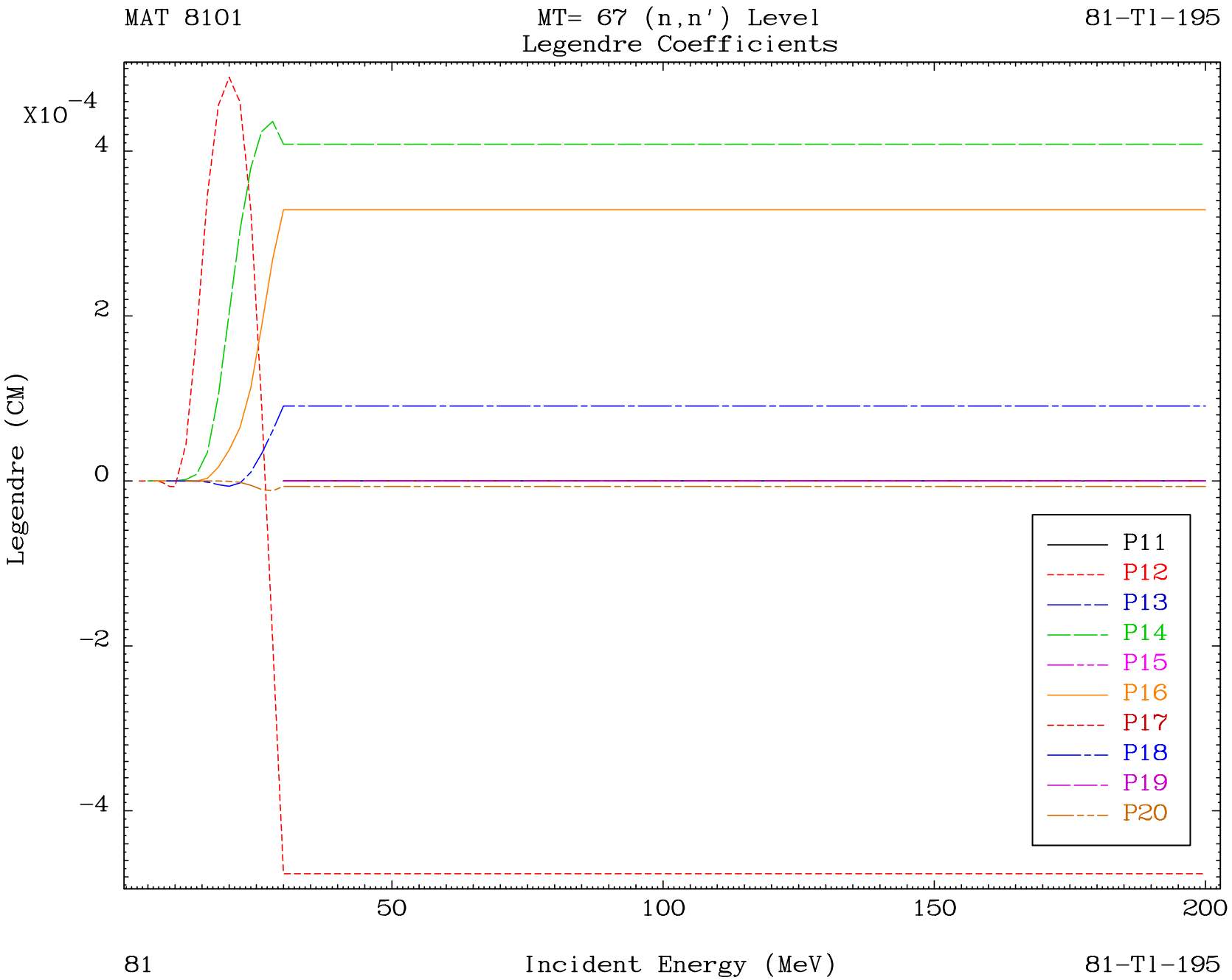

MAT 8101
MT= 66 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
76
Incident Energy (MeV)
81-Tl-195

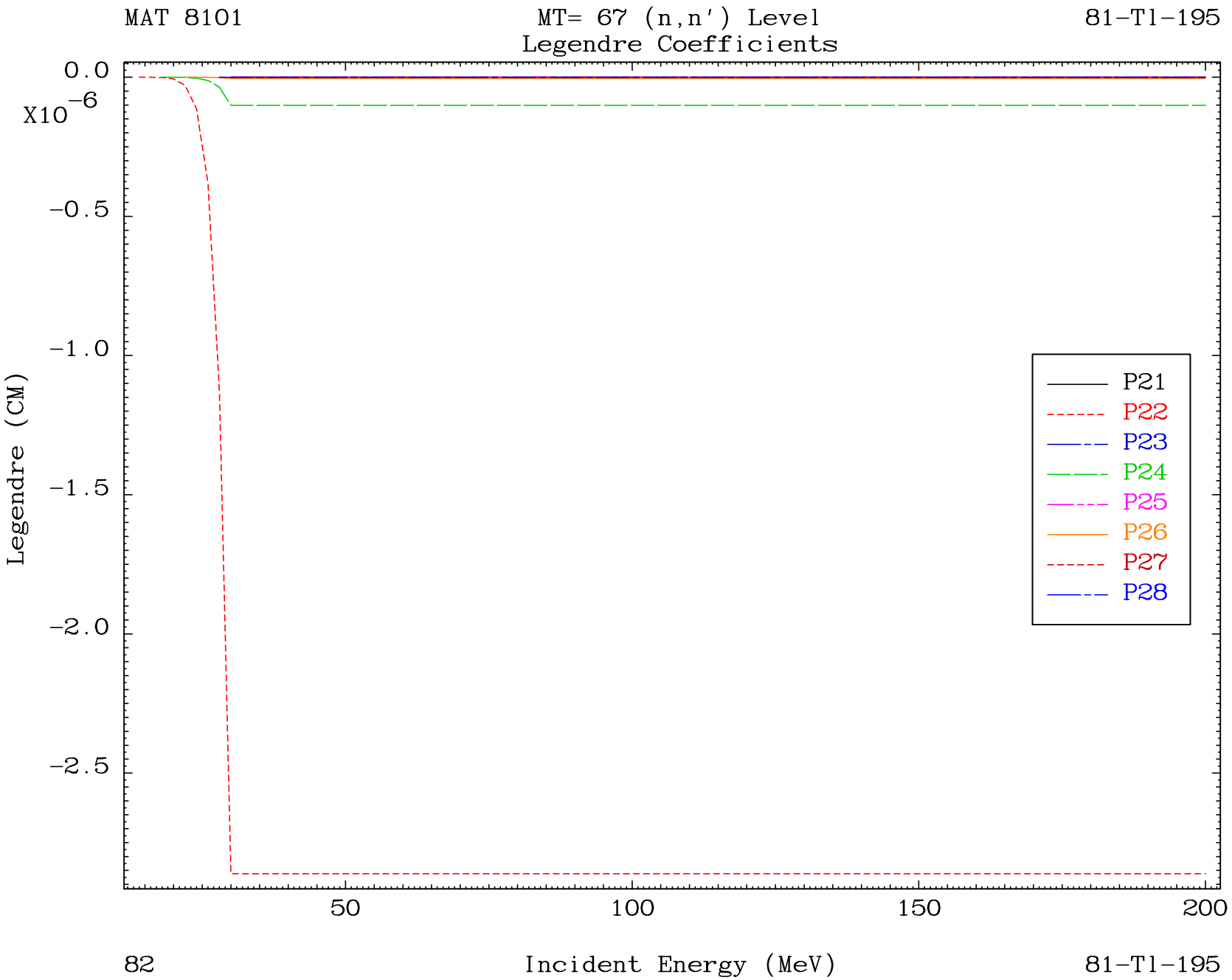

MAT 8101
MT= 66 (n,n') Level
Legendre Coefficients
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
77
Incident Energy (MeV)
81-Tl-195

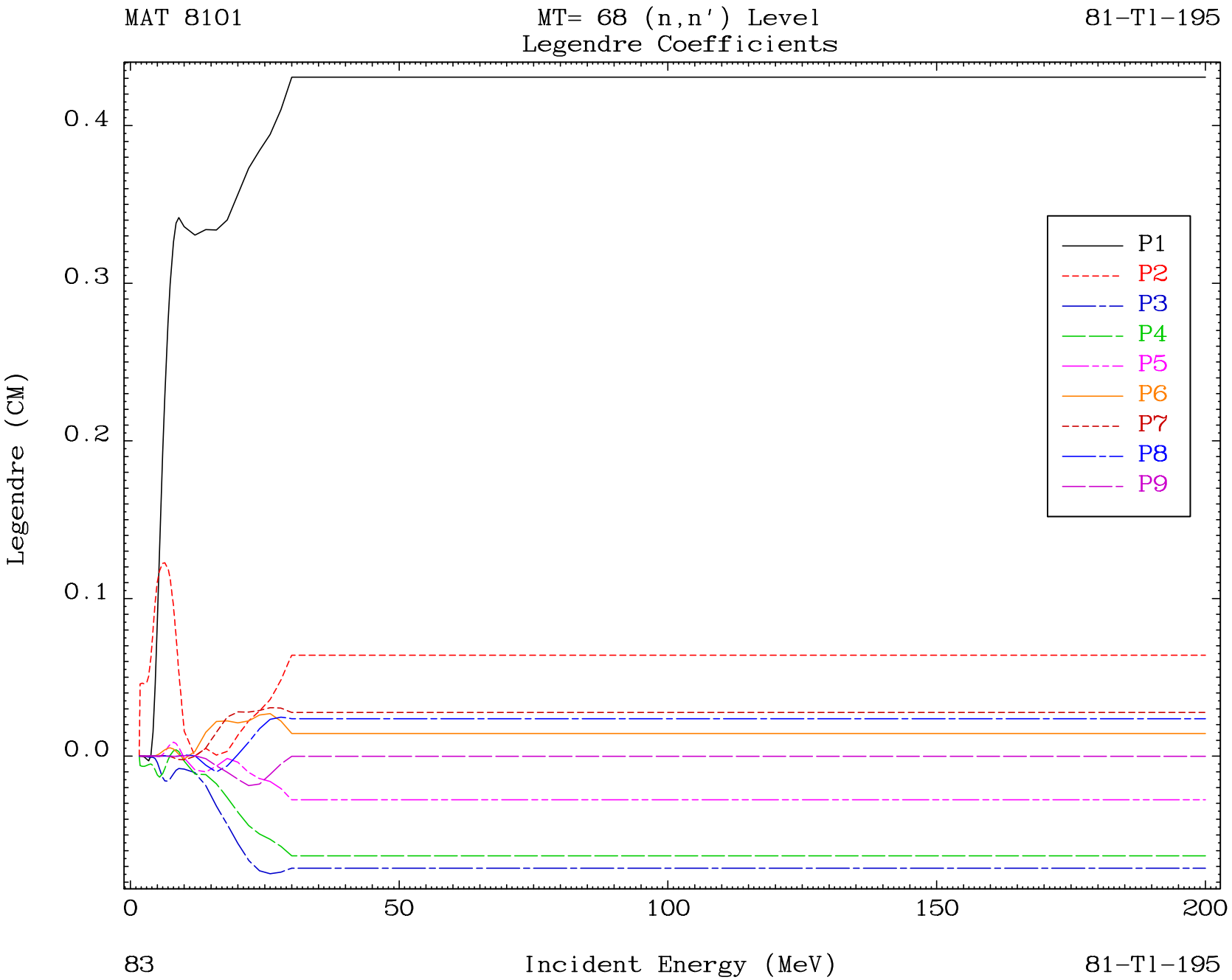

MAT 8101
MT= 66 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
78
Incident Energy (MeV)
81-Tl-195

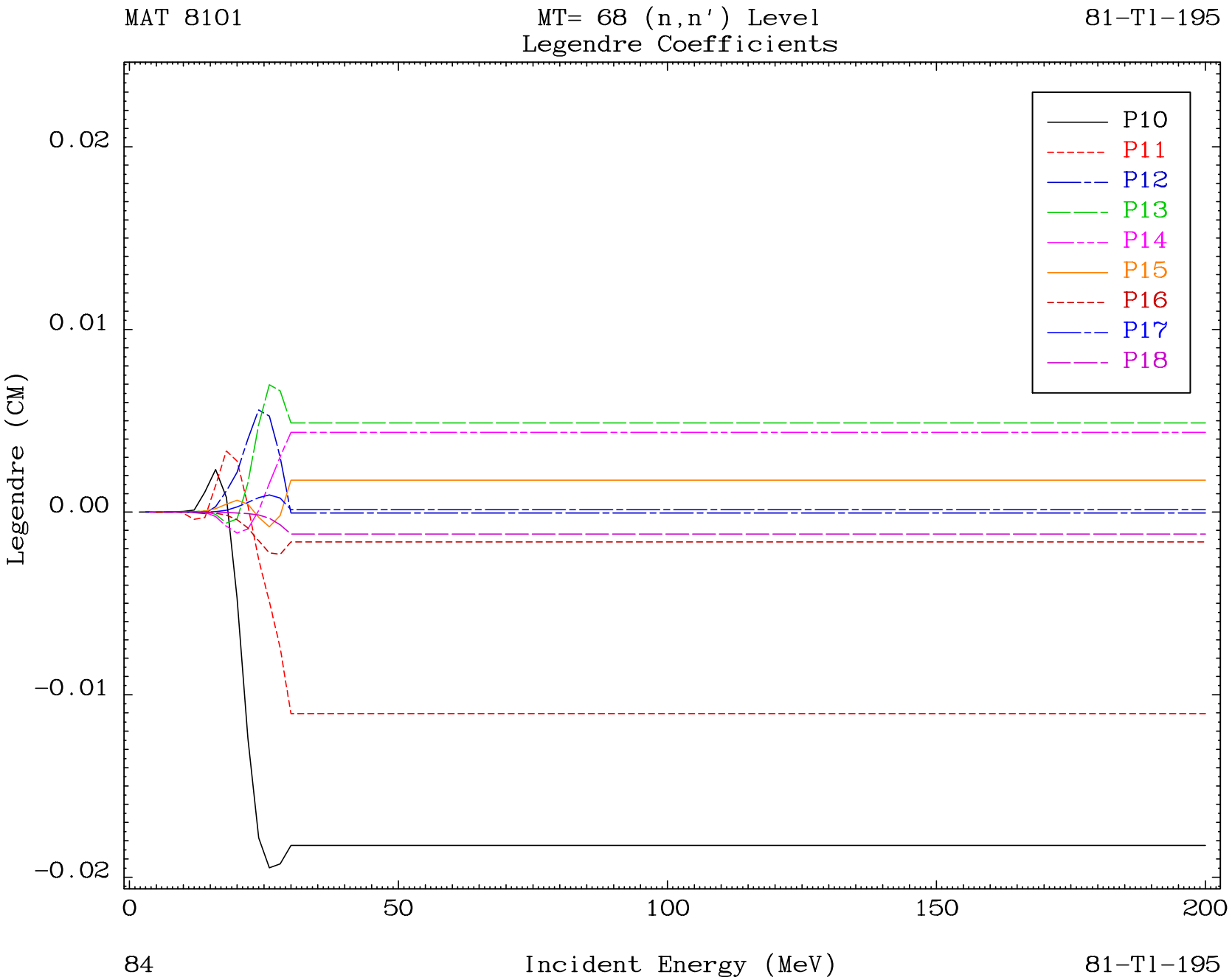

MAT 8101
MT= 66 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-0
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
79
Incident Energy (MeV)
81-Tl-195
P31
P32
P33
P34
P35
P36
P37
P38

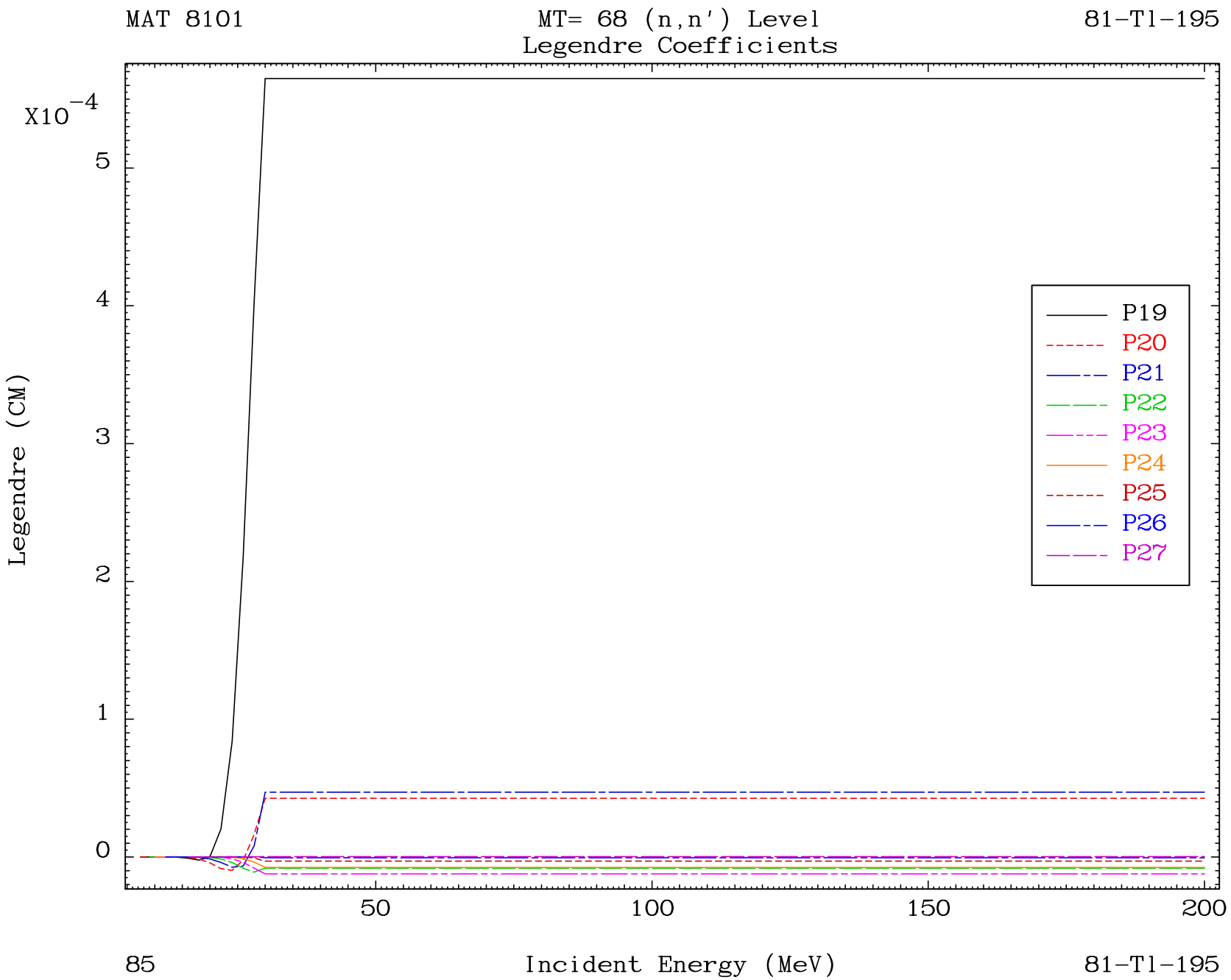

MAT 8101
MT= 67 (n,n') Level
Legendre Coefficients
81-Tl-195
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
80
Incident Energy (MeV)
81-Tl-195

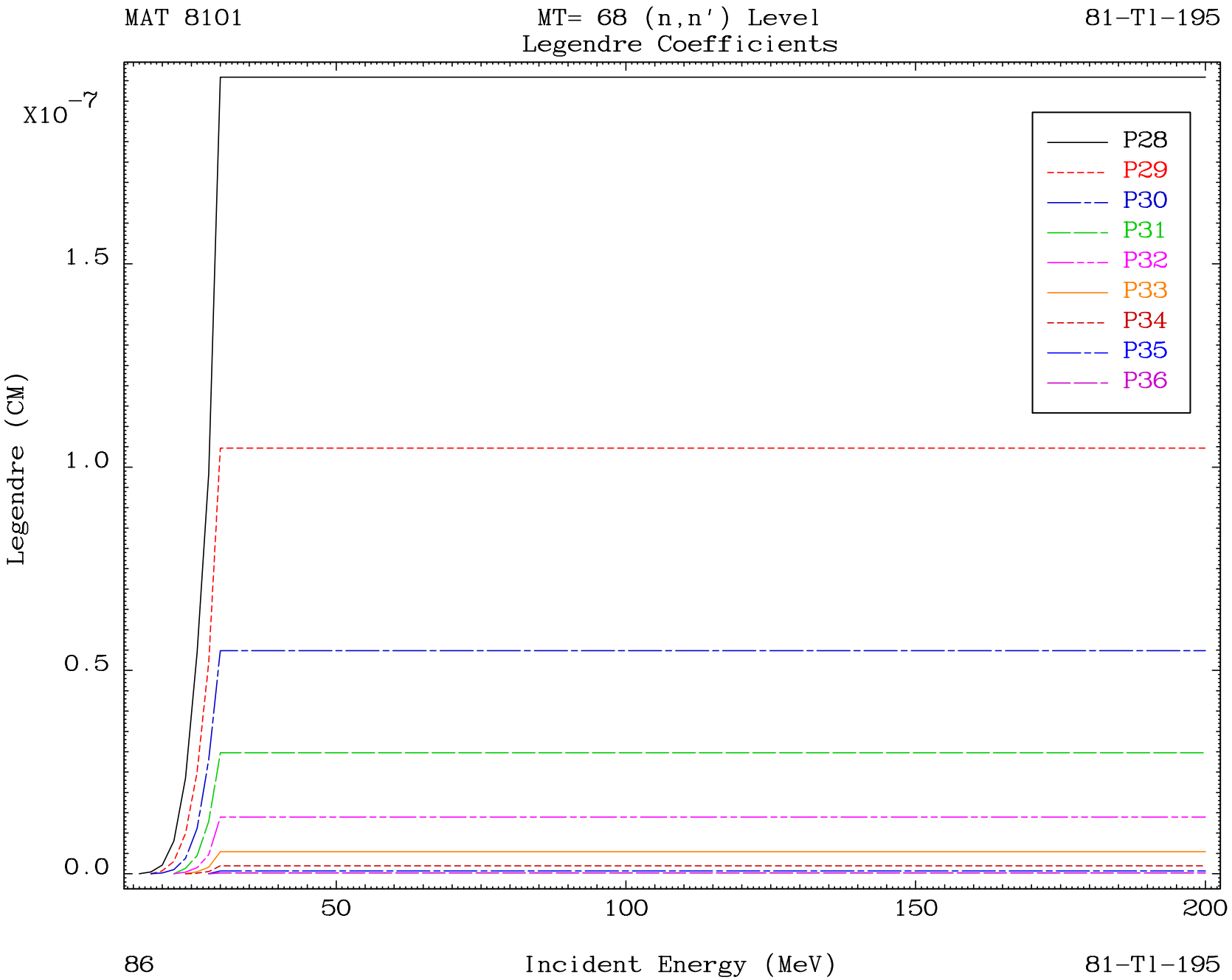

MAT 8101
MT= 67 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
4
2
0
-2
-4
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

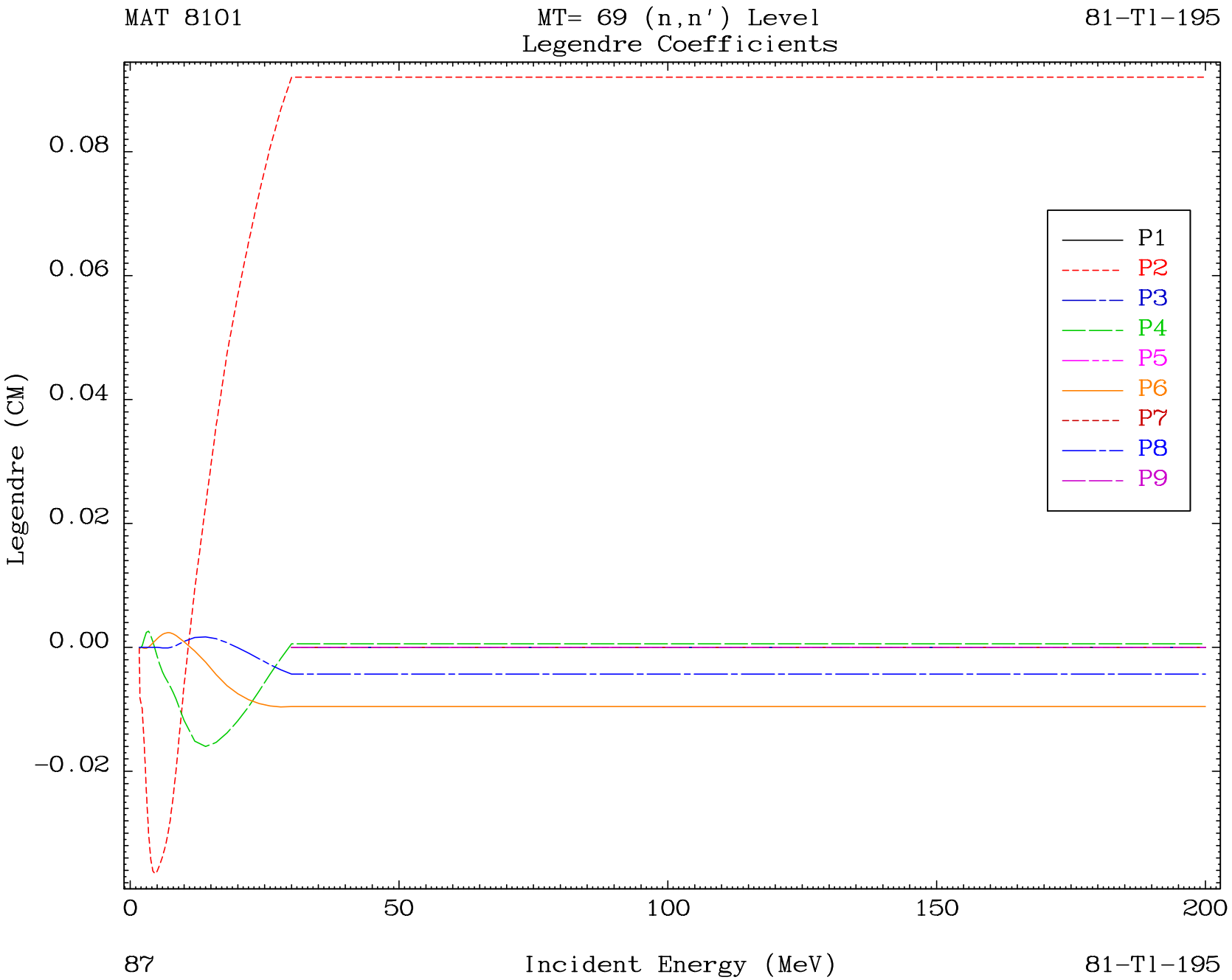

MAT 8101
MT= 67 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
81-Tl-195
P21
P22
P23
P24
P25
P26
P27
P28

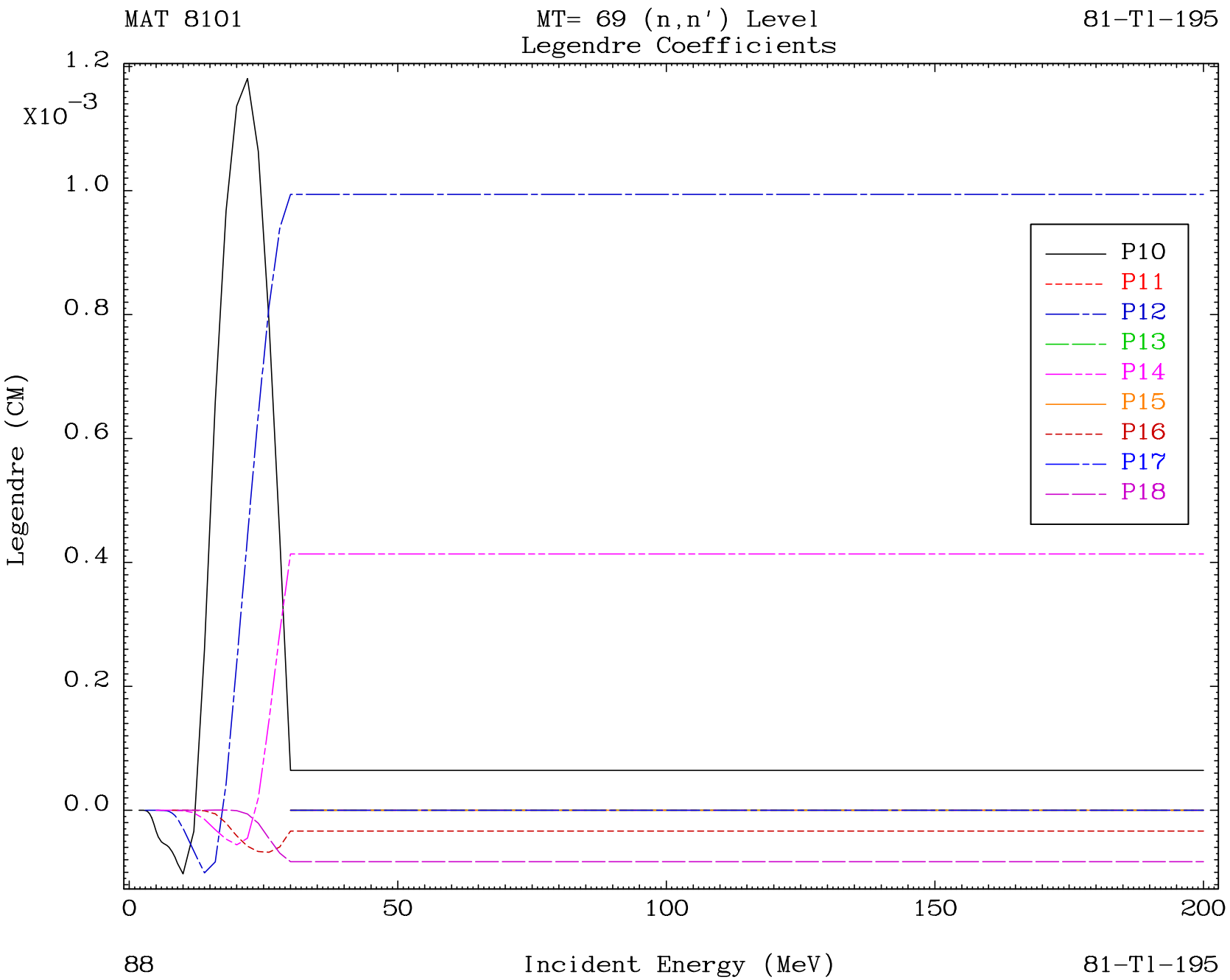

MAT 8101
MT= 68 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
83
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9

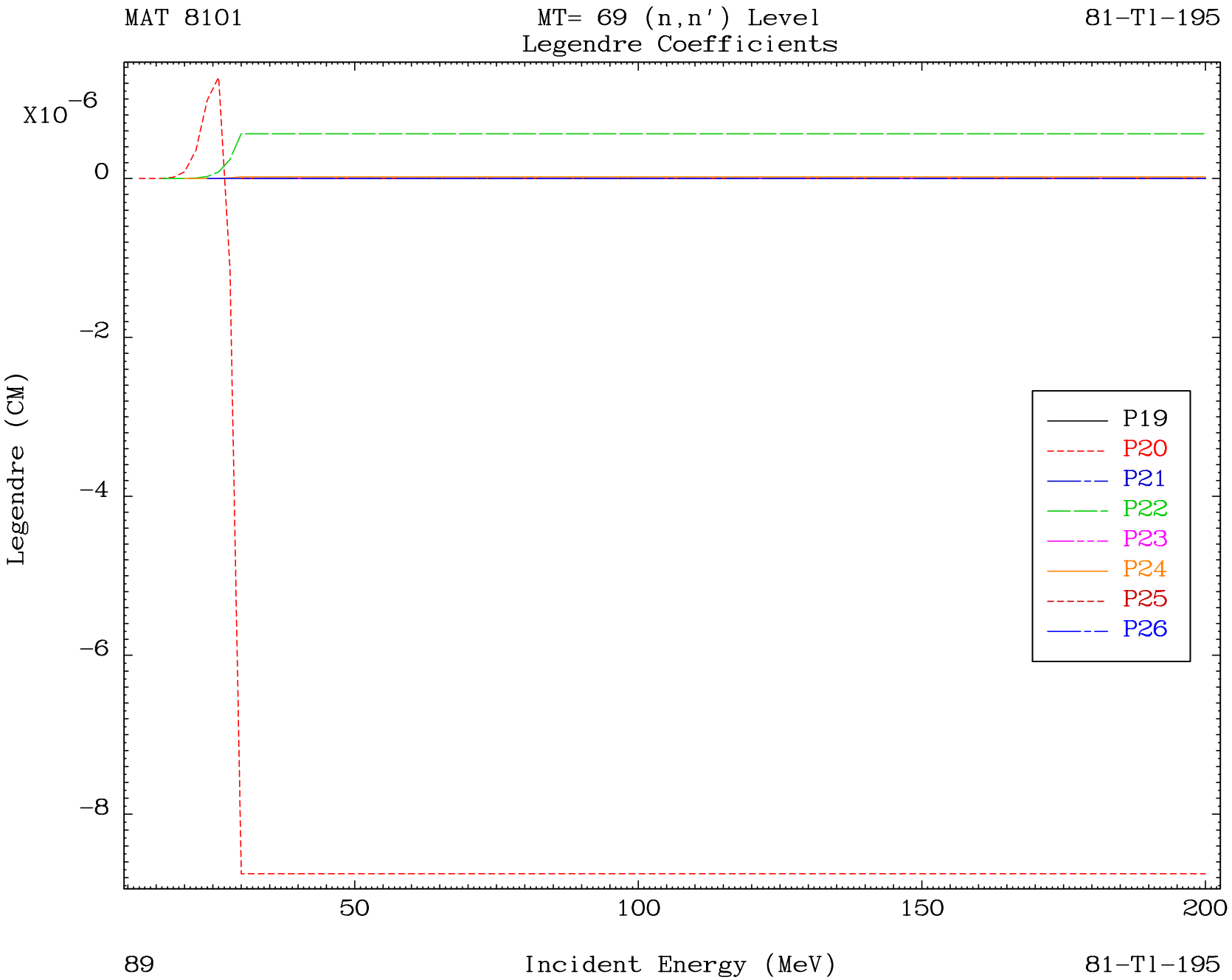

MAT 8101
MT= 68 (n,n') Level
Legendre Coefficients
81-Tl-195
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
84
Incident Energy (MeV)
81-Tl-195

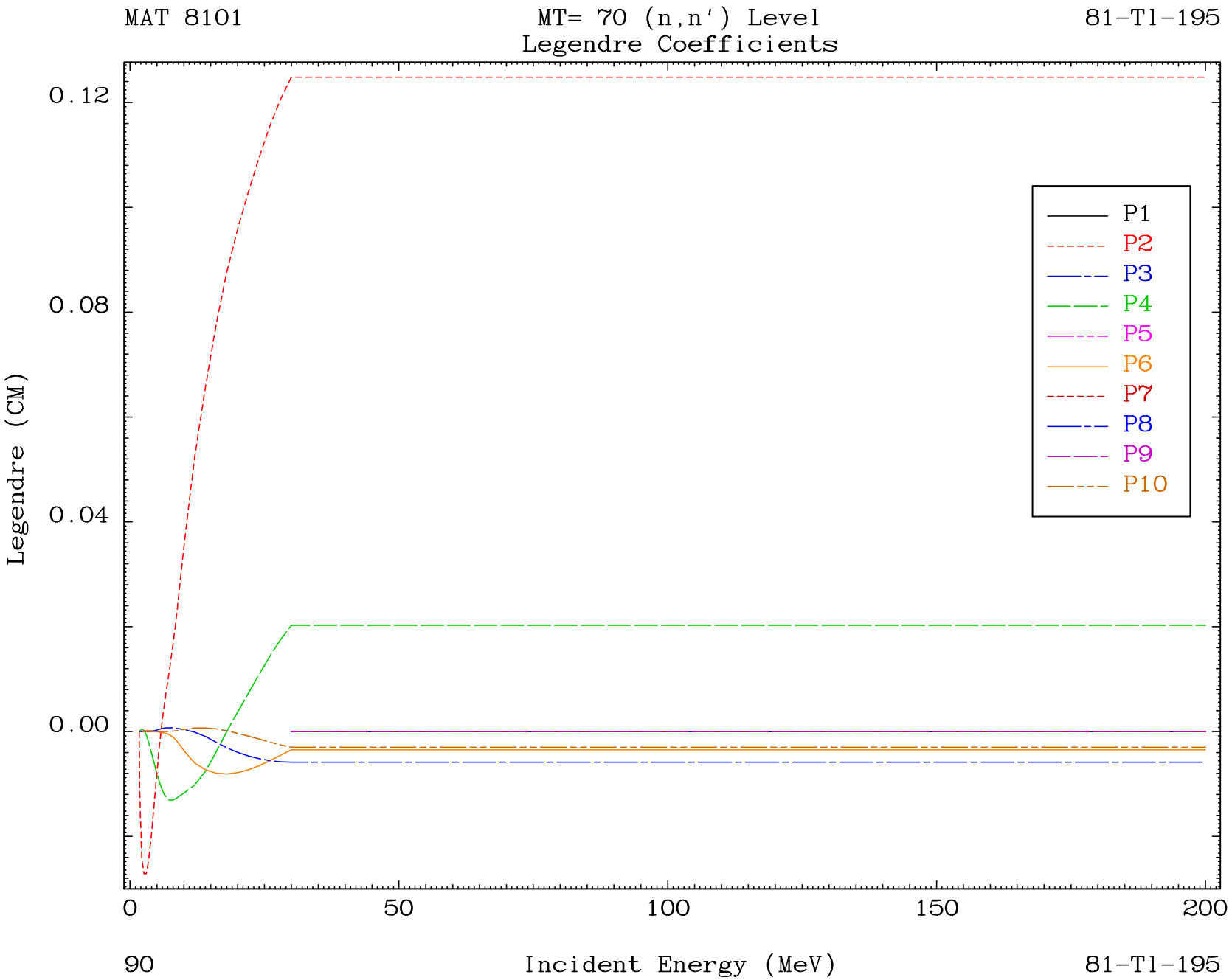

MAT 8101
MT= 68 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
85
Incident Energy (MeV)
81-Tl-195

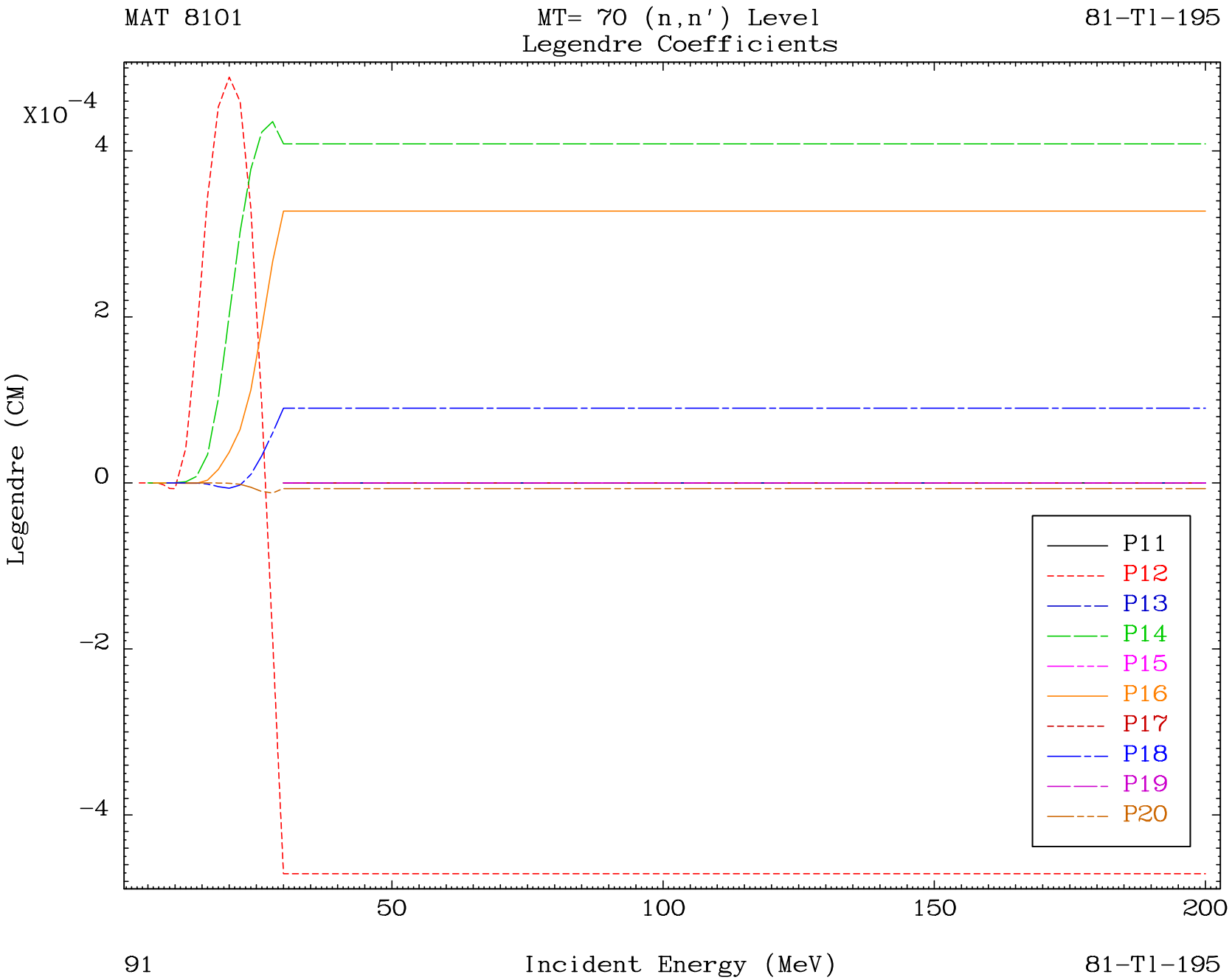

MAT 8101
MT= 68 (n,n') Level
Legendre Coefficients
81-Tl-195
X10-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
86
Incident Energy (MeV)
81-Tl-195

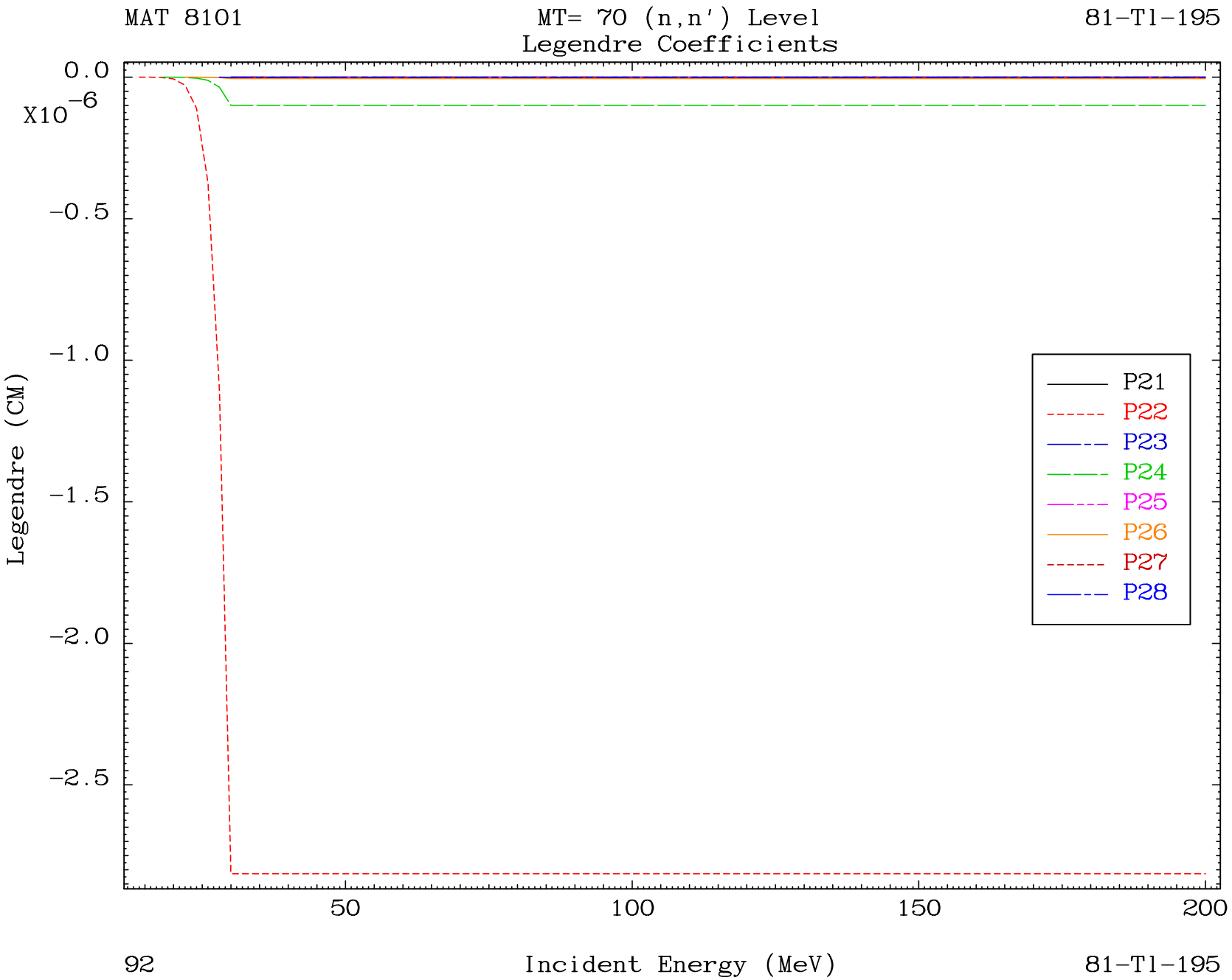

MAT 8101
MT= 69 (n,n') Level
Legendre Coefficients
81-Tl-195
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
87
Incident Energy (MeV)
81-Tl-195

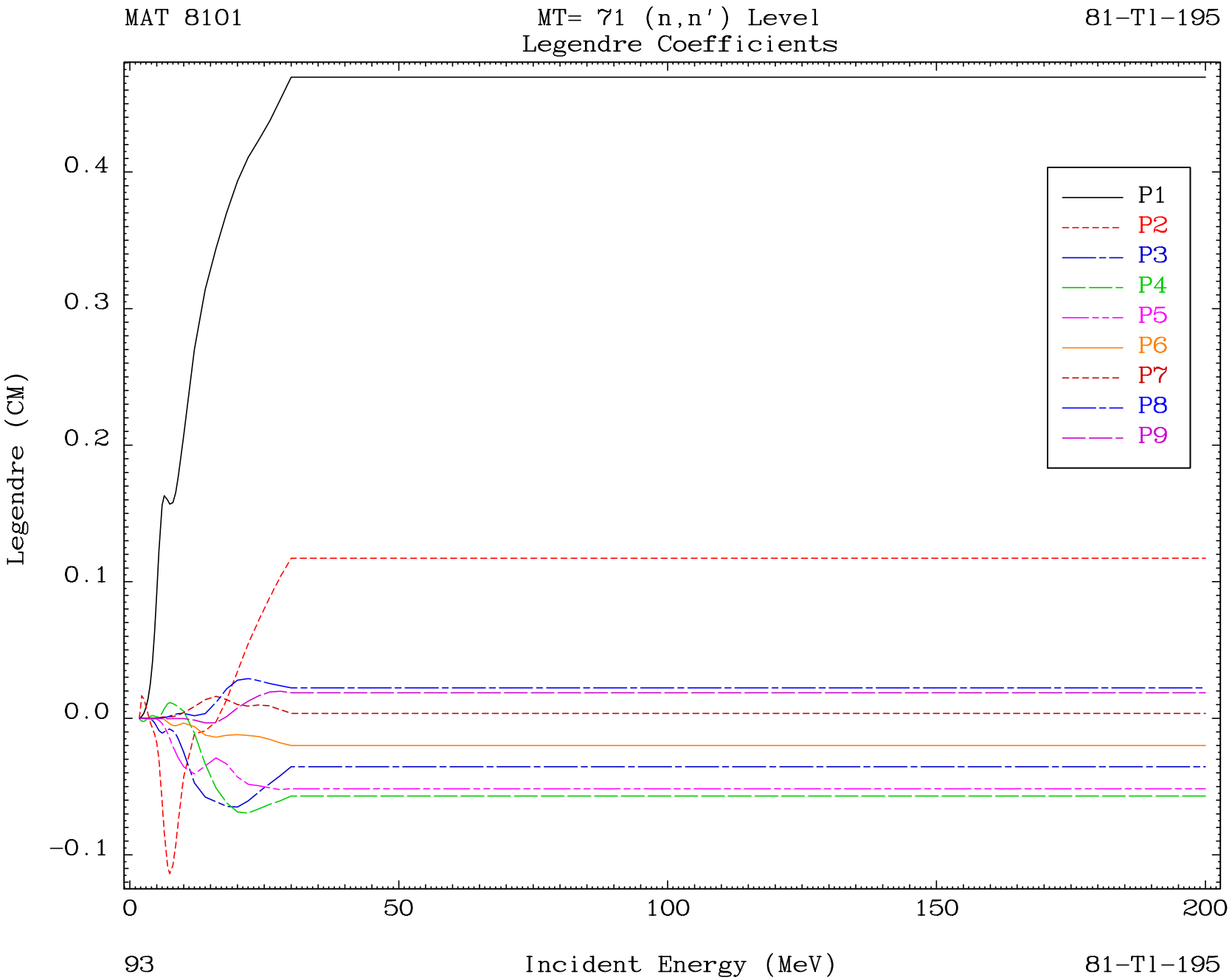

MAT 8101
MT= 69 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
88
Incident Energy (MeV)
81-Tl-195

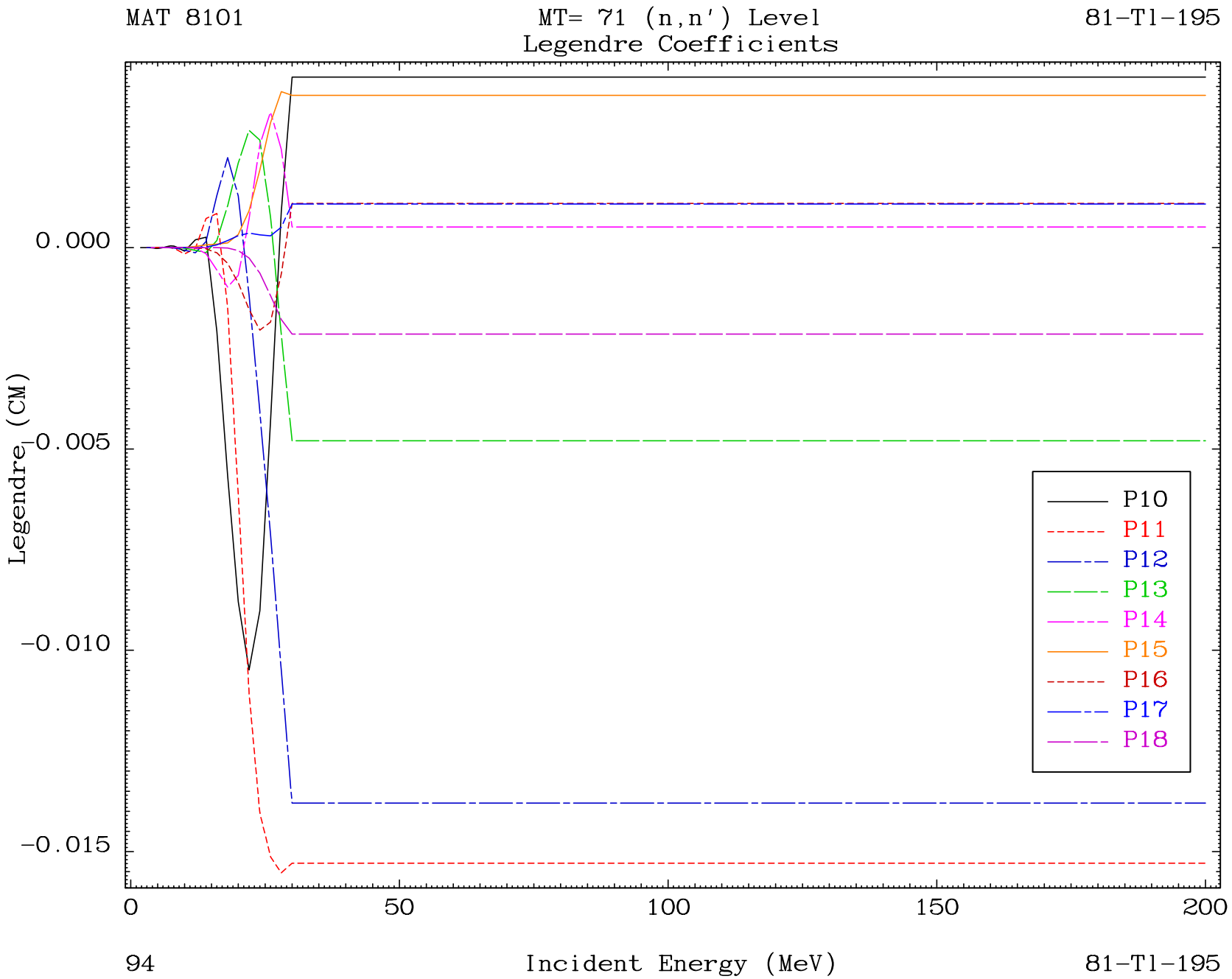

MAT 8101
MT= 69 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-6
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
81-Tl-195
P19
P20
P21
P22
P23
P24
P25
P26

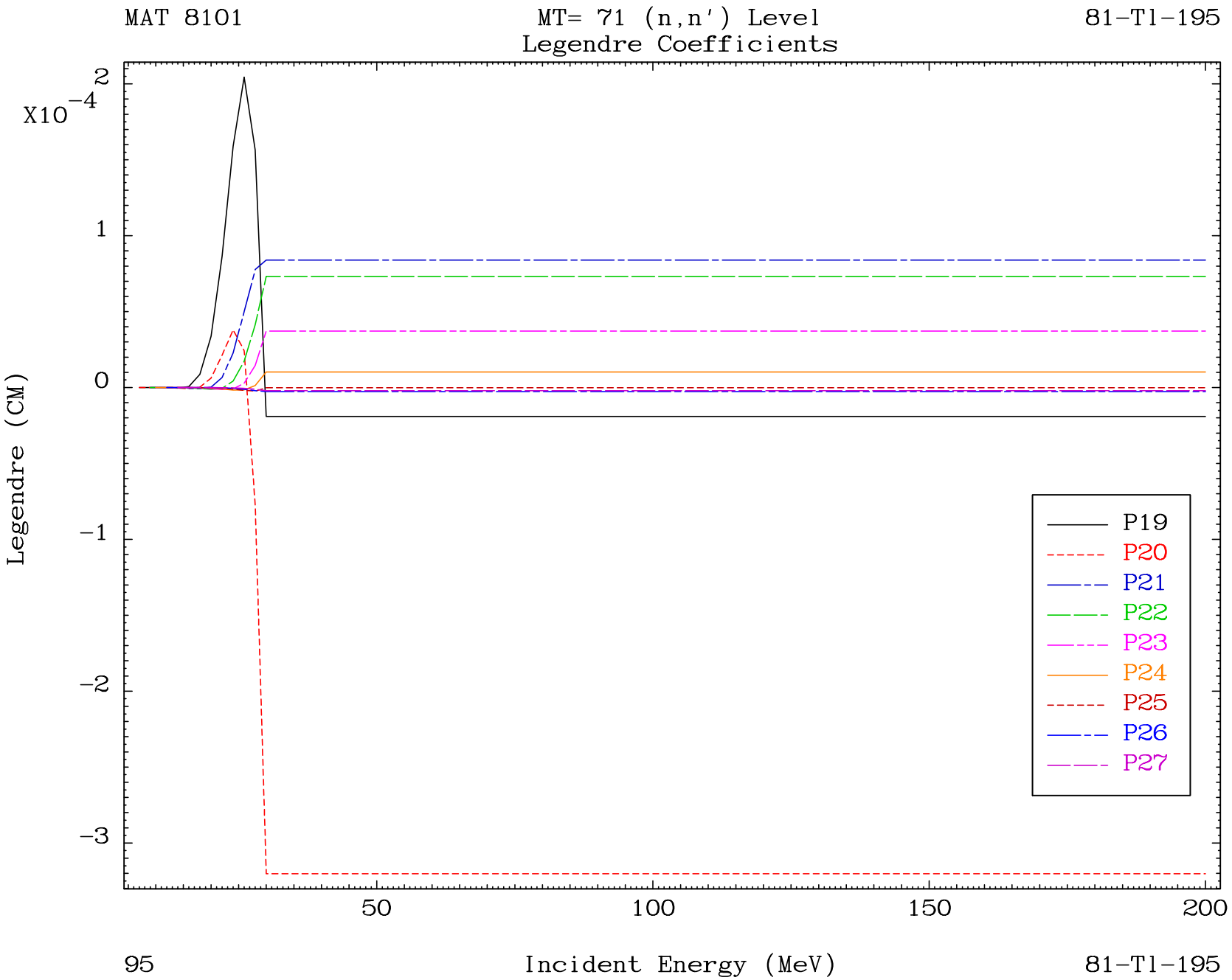

MAT 8101
MT= 70 (n,n') Level
Legendre Coefficients
81-Tl-195
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
90
Incident Energy (MeV)
81-Tl-195

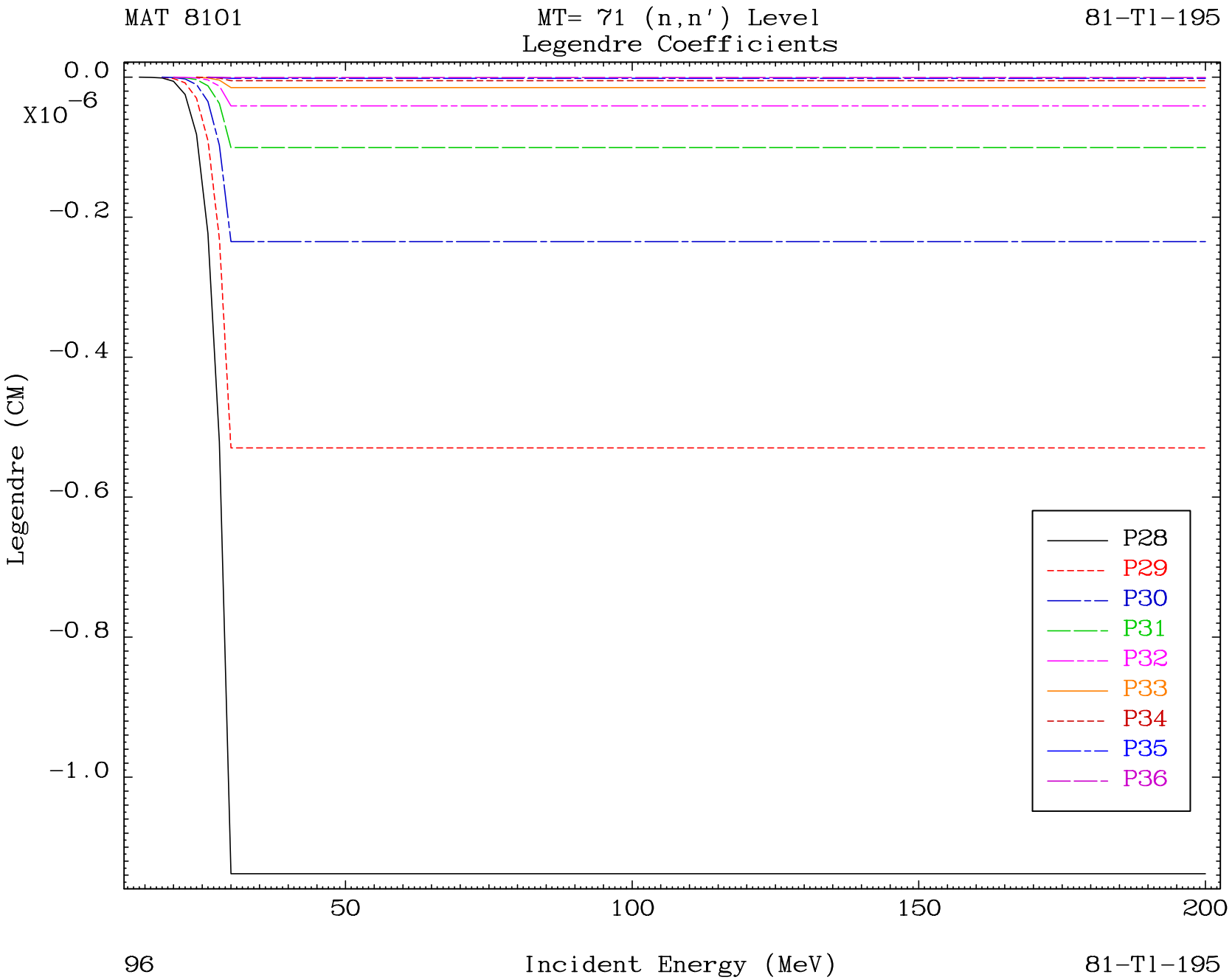

MAT 8101
MT= 70 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
4
2
0
-2
-4
Legendre (CM)
50
100
150
200
91
Incident Energy (MeV)
81-Tl-195
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

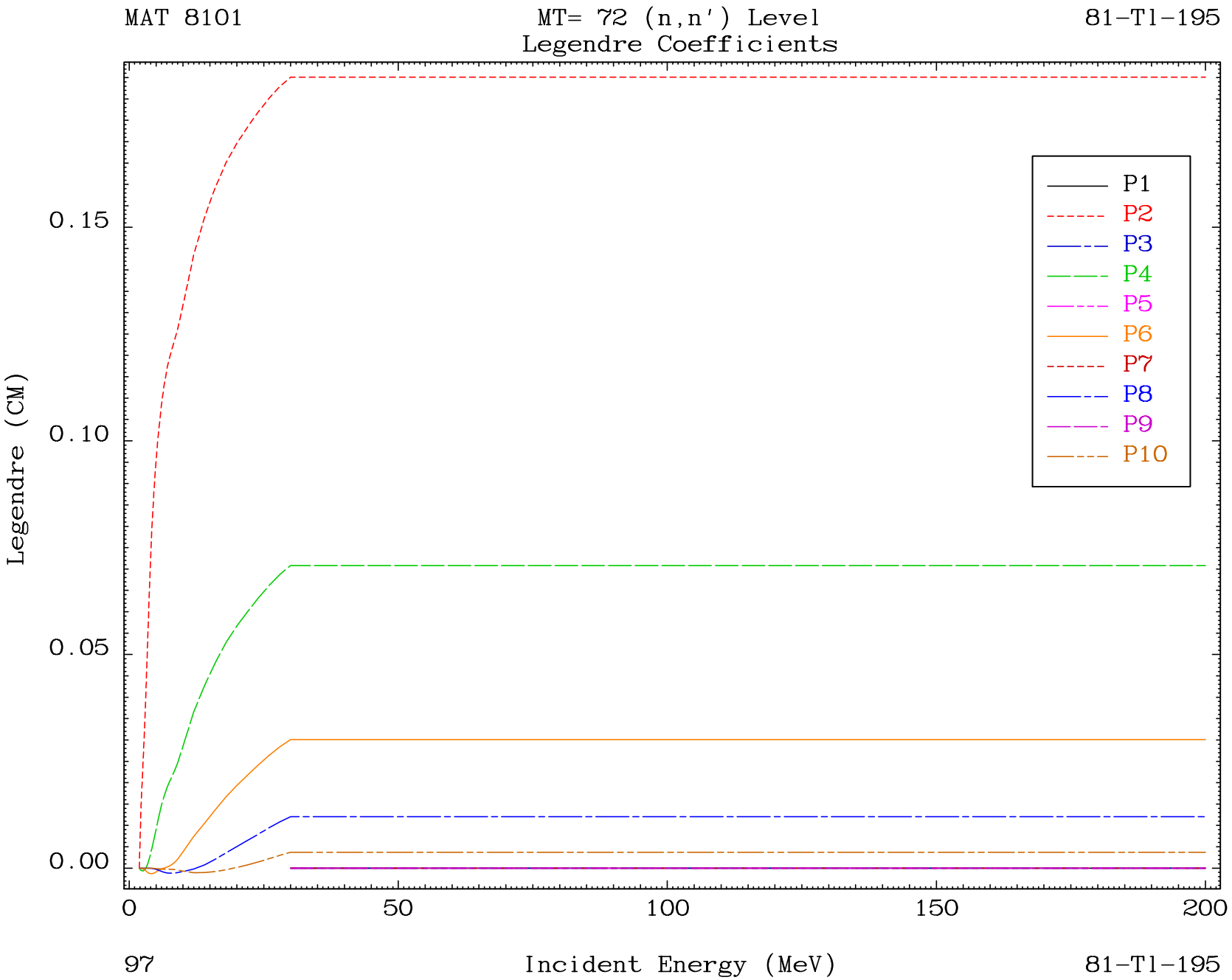

MAT 8101
MT= 70 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
92
Incident Energy (MeV)
81-Tl-195

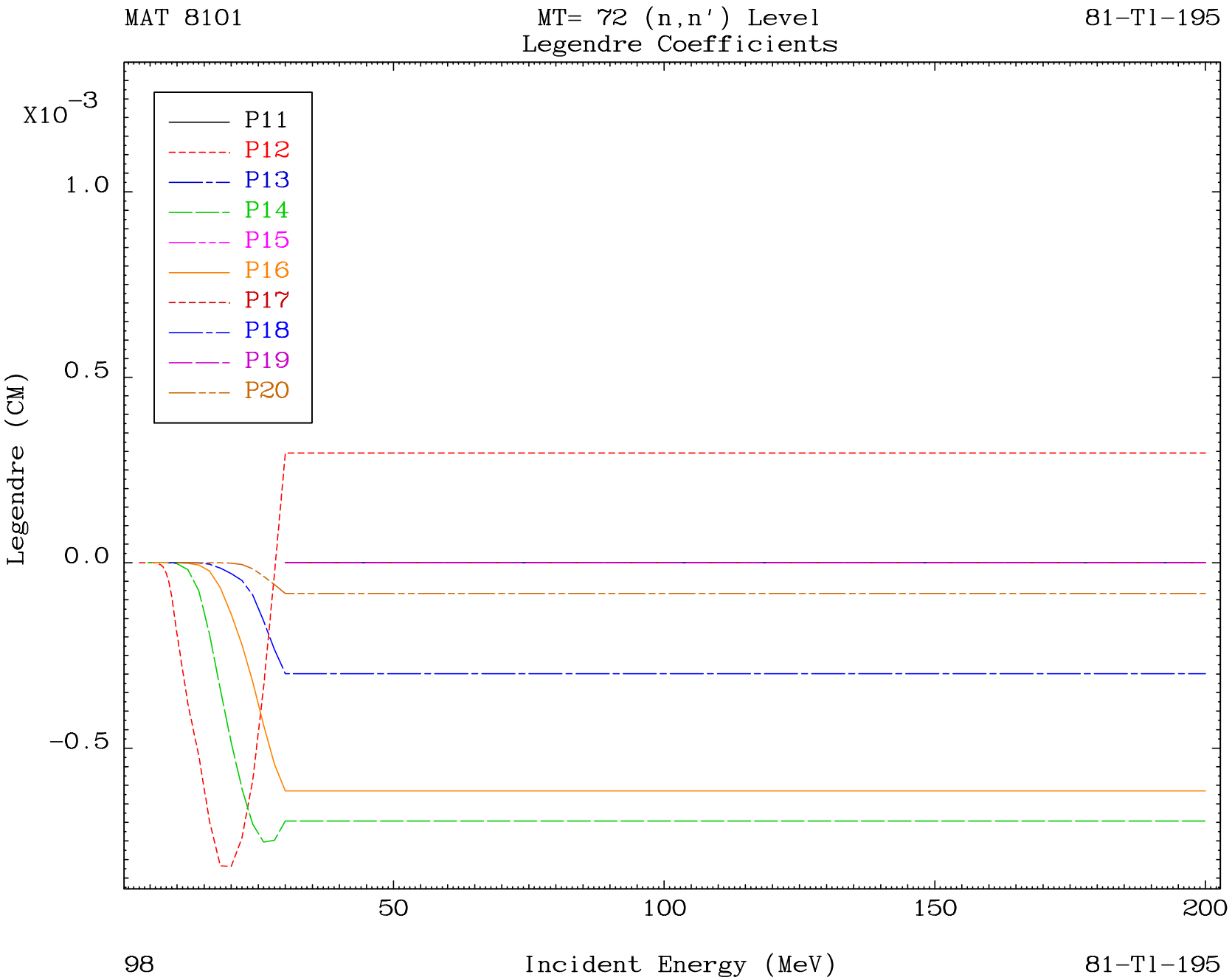

MAT 8101
MT= 71 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
93
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9

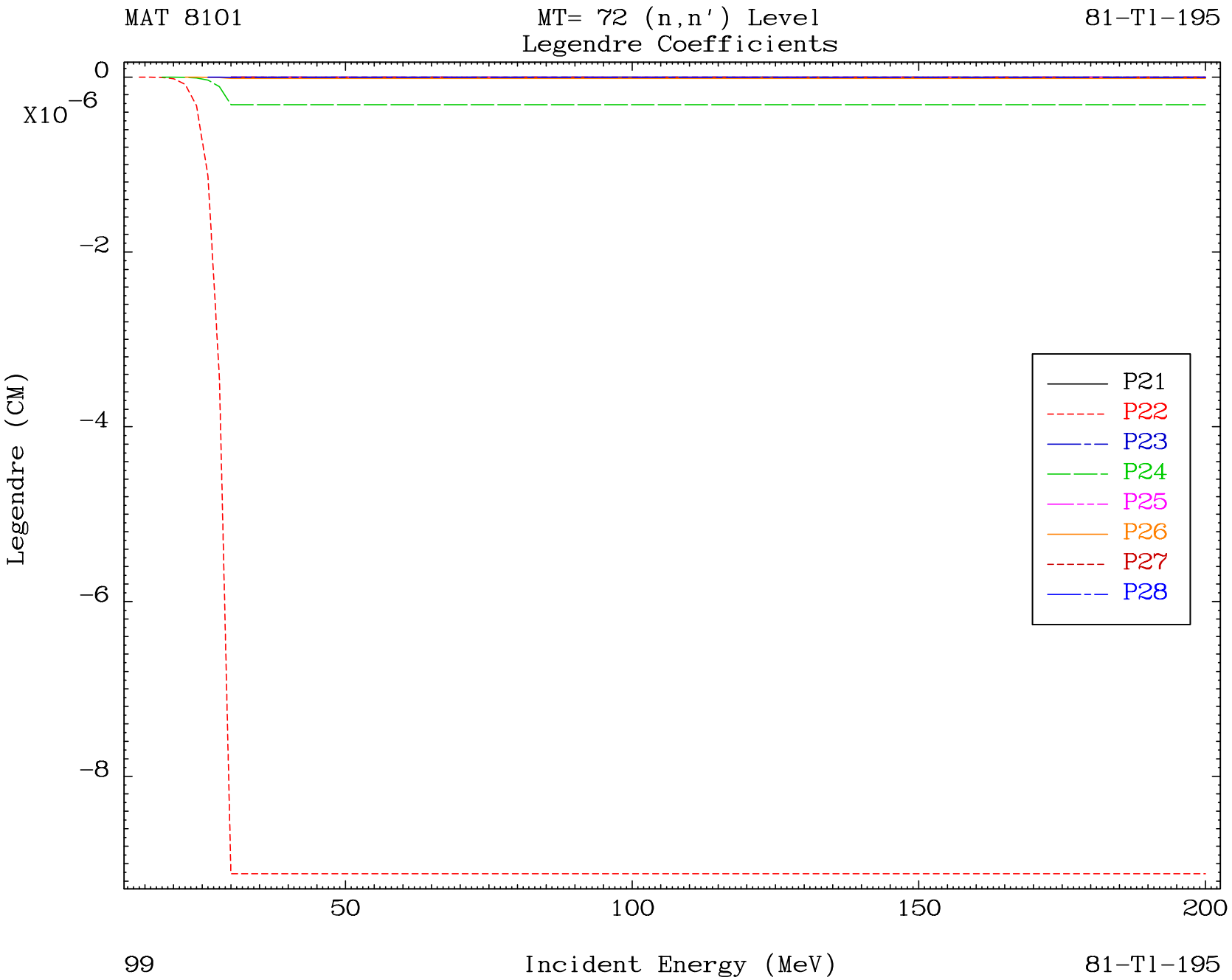

MAT 8101
MT= 71 (n,n') Level
Legendre Coefficients
81-Tl-195
0.000
−0.005
−0.010
−0.015
Legendre$_l$ (CM)
0
50
100
150
200
94
Incident Energy (MeV)
81-Tl-195
P10
P11
P12
P13
P14
P15
P16
P17
P18

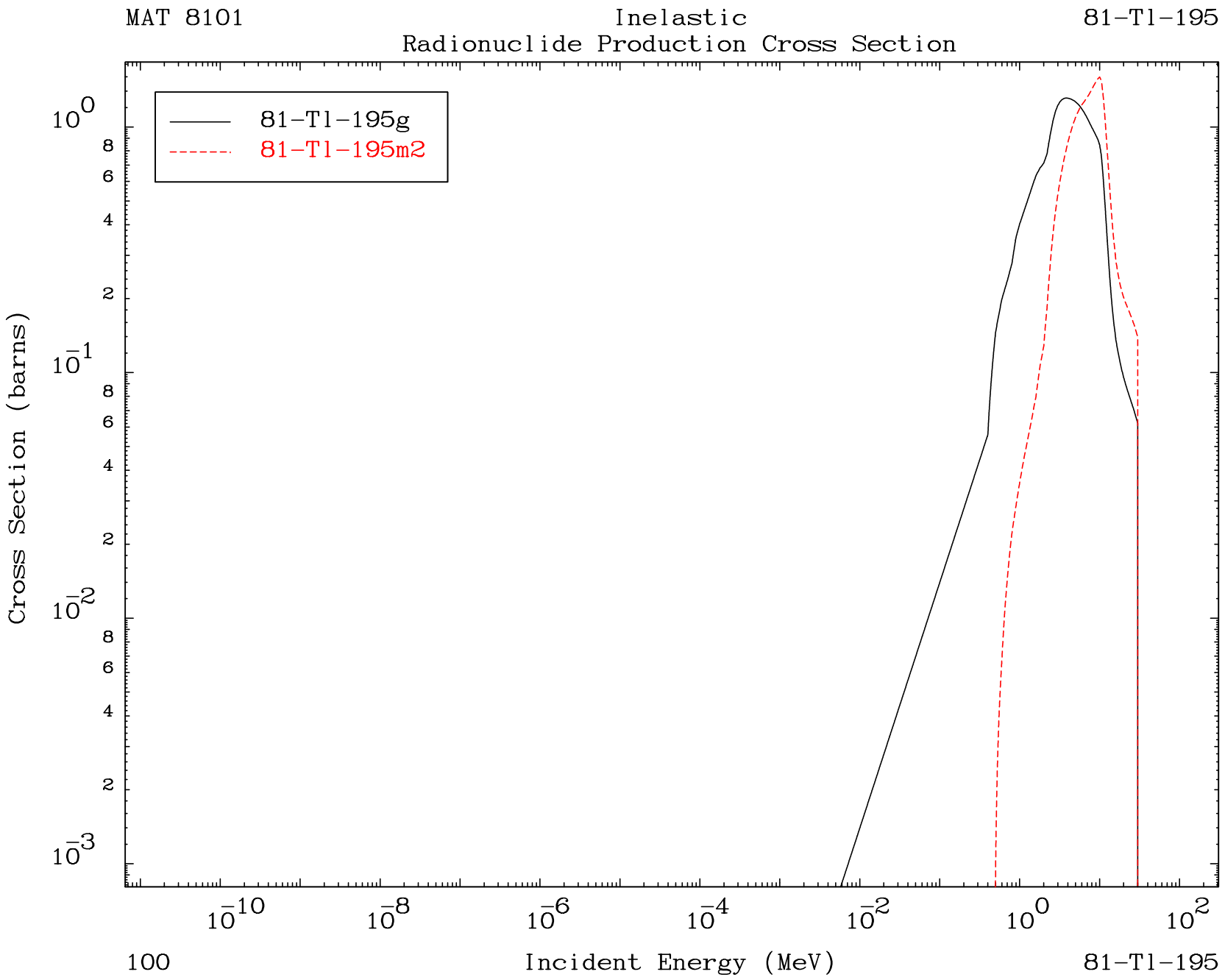

MAT 8101
MT= 71 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-4
2
1
0
-1
-2
-3
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
81-Tl-195
P19
P20
P21
P22
P23
P24
P25
P26
P27

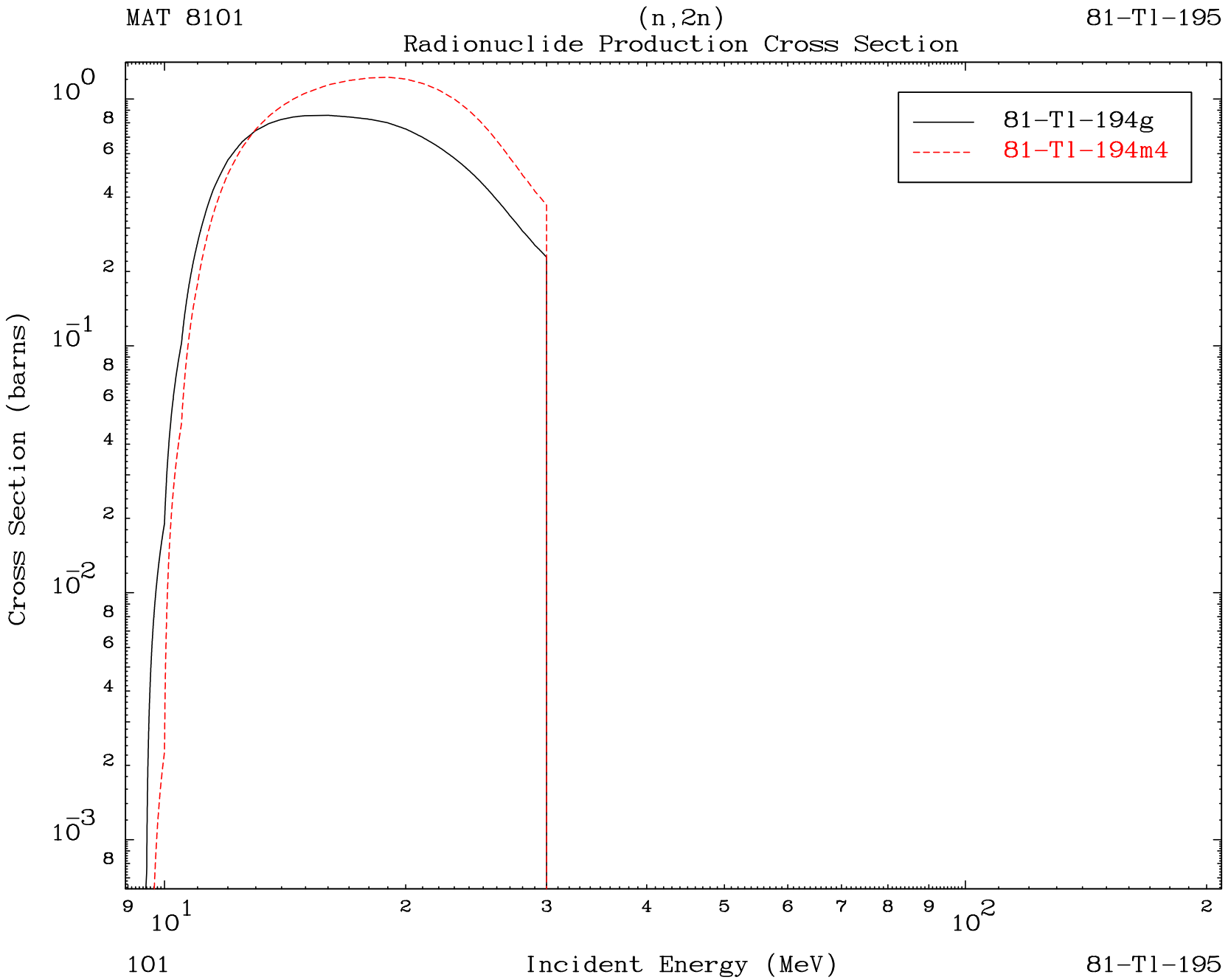

MAT 8101
MT= 71 (n,n') Level
Legendre Coefficients
81-Tl-195
0.0
X10−6
−0.2
−0.4
−0.6
−0.8
−1.0
Legendre (CM)
50
100
150
200
96
Incident Energy (MeV)
81-Tl-195
P28
P29
P30
P31
P32
P33
P34
P35
P36

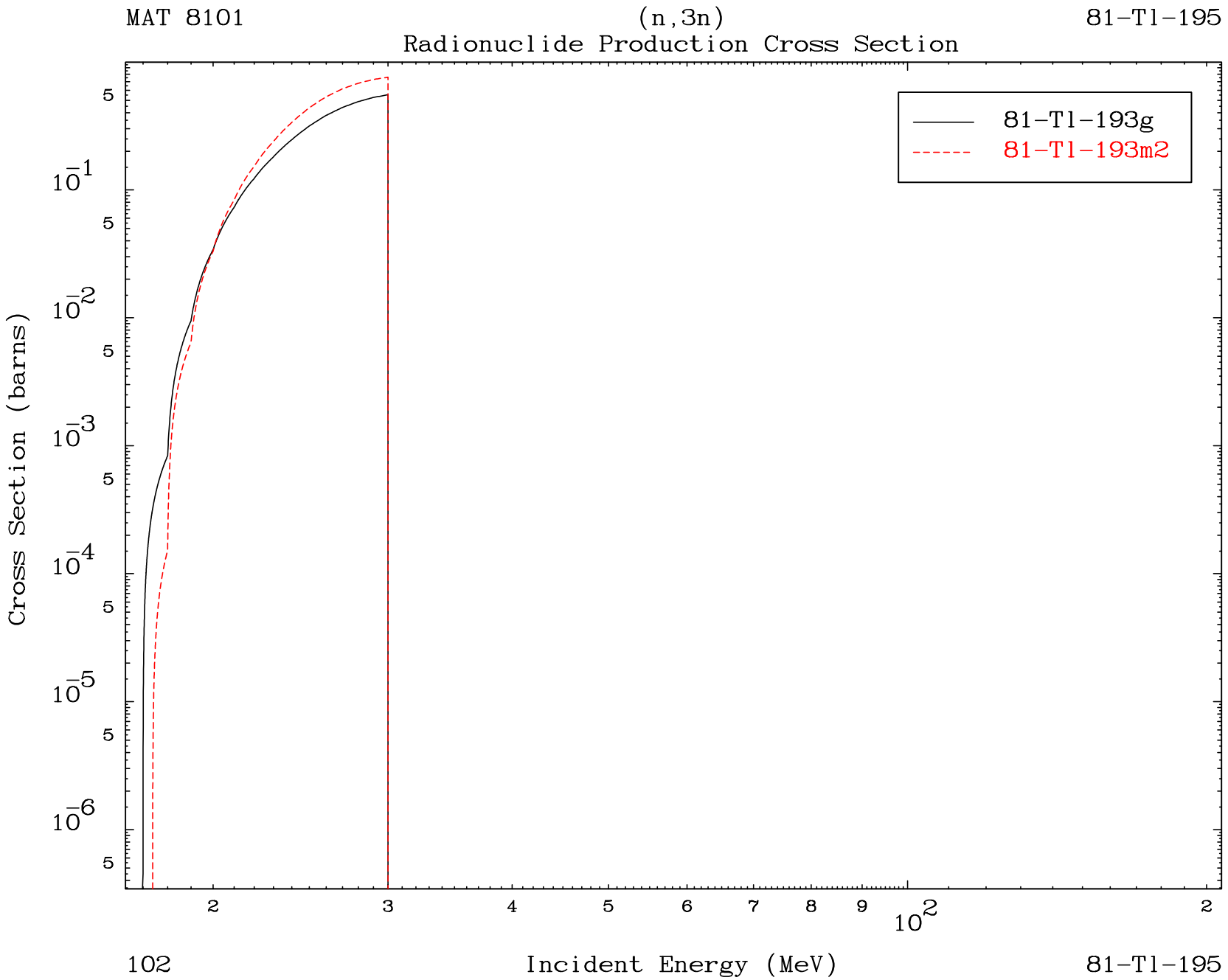

MAT 8101
MT= 72 (n,n') Level
Legendre Coefficients
81-Tl-195
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
97
Incident Energy (MeV)
81-Tl-195
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

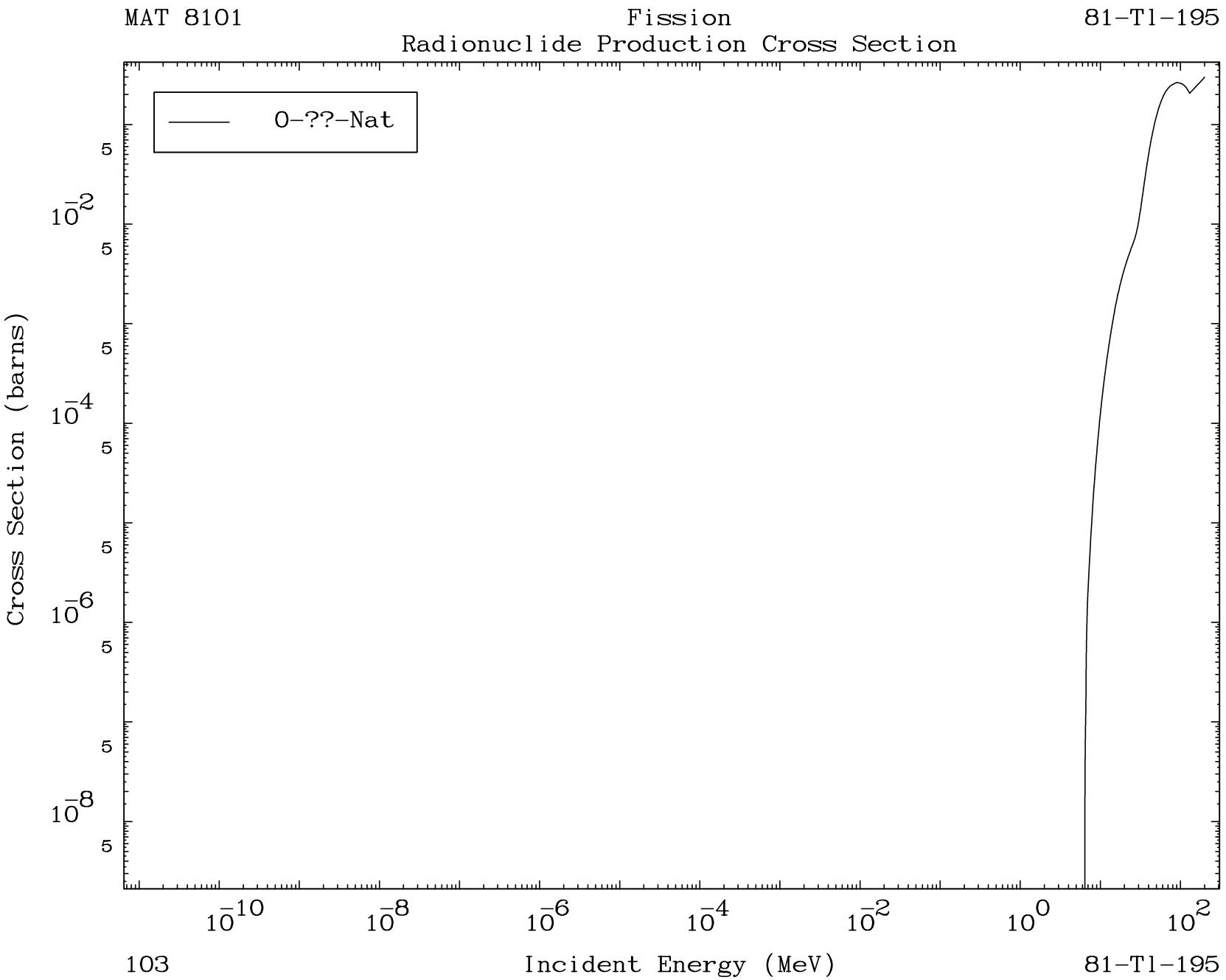

MAT 8101
MT= 72 (n,n') Level
Legendre Coefficients
81-Tl-195
X10^-3
1.0
0.5
0.0
-0.5
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
98
Incident Energy (MeV)
81-Tl-195

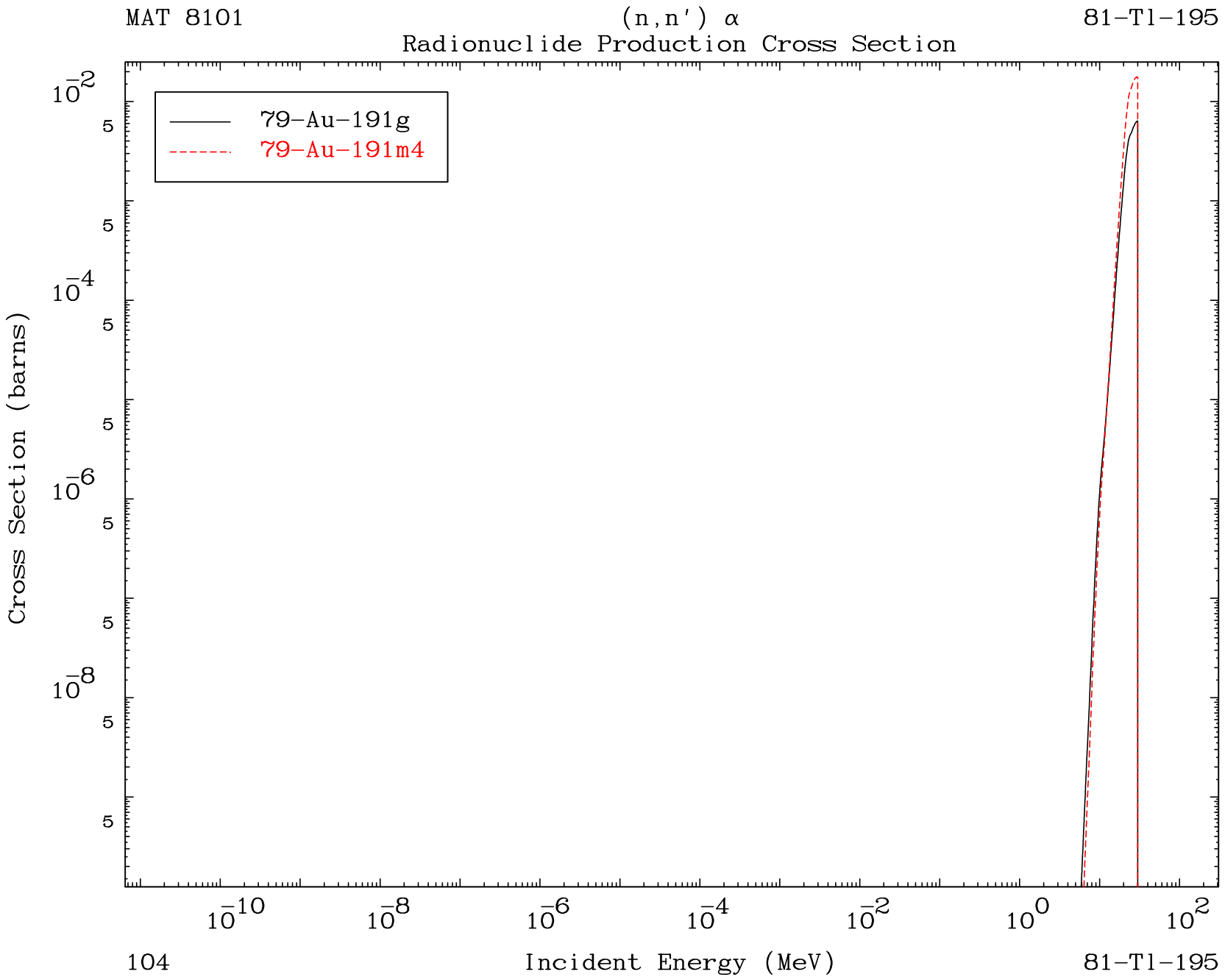

MAT 8101
MT= 72 (n,n') Level
Legendre Coefficients
81-Tl-195
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
99
Incident Energy (MeV)
81-Tl-195

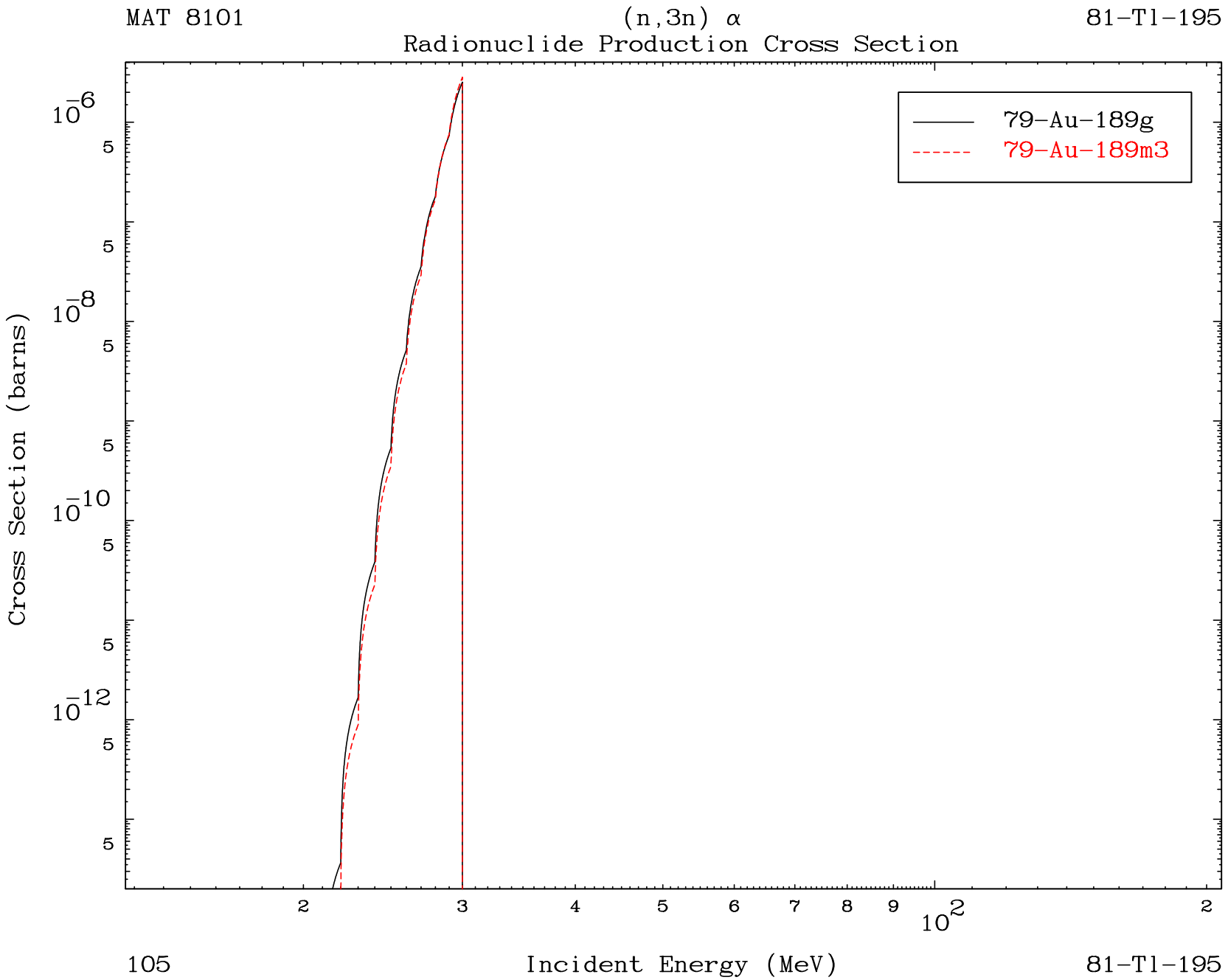

MAT 8101
Inelastic
81-Tl-195
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
Incident Energy (MeV)
100
81-Tl-195

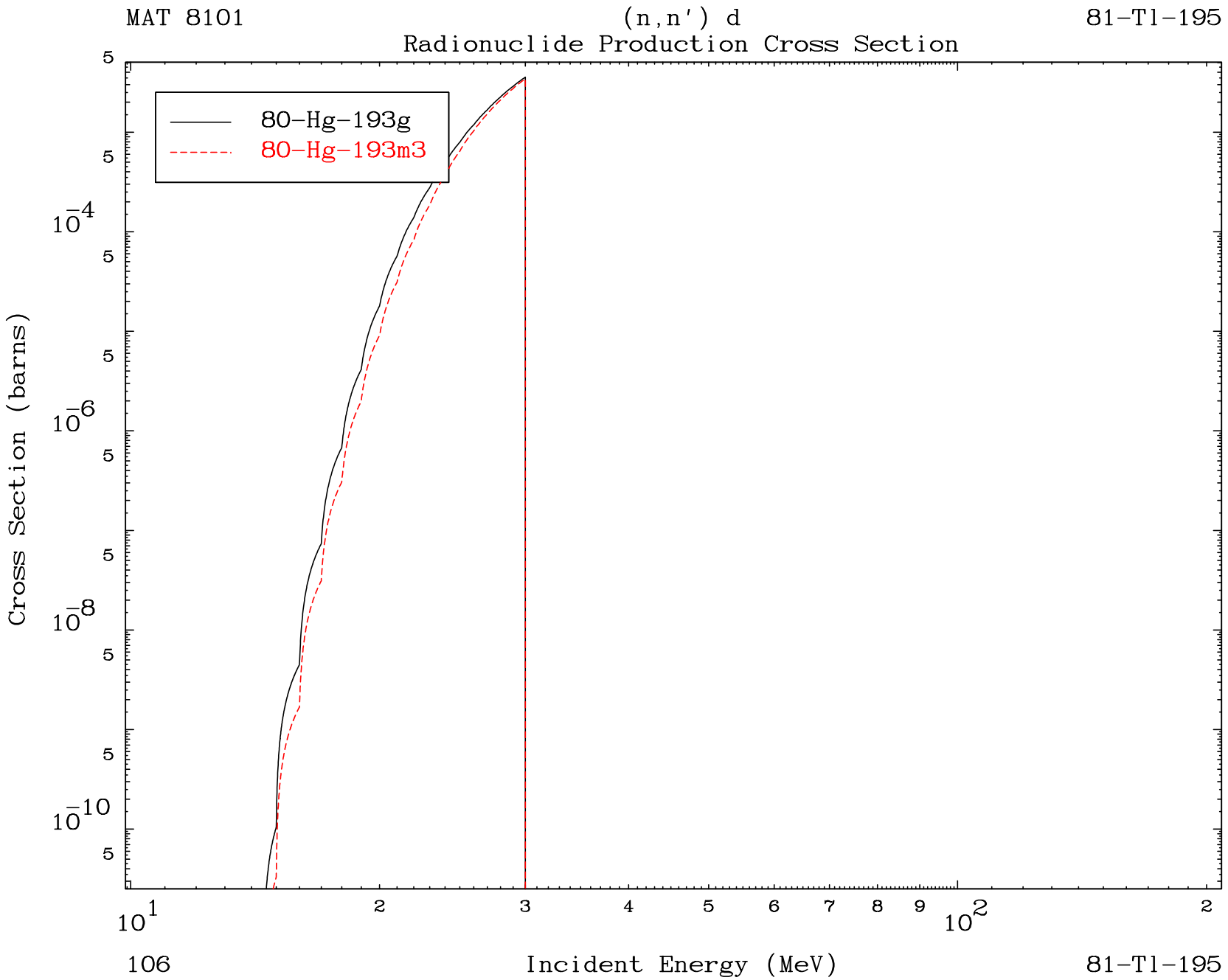

MAT 8101
(n,2n)
81-Tl-195
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
Incident Energy (MeV)
101
81-Tl-195

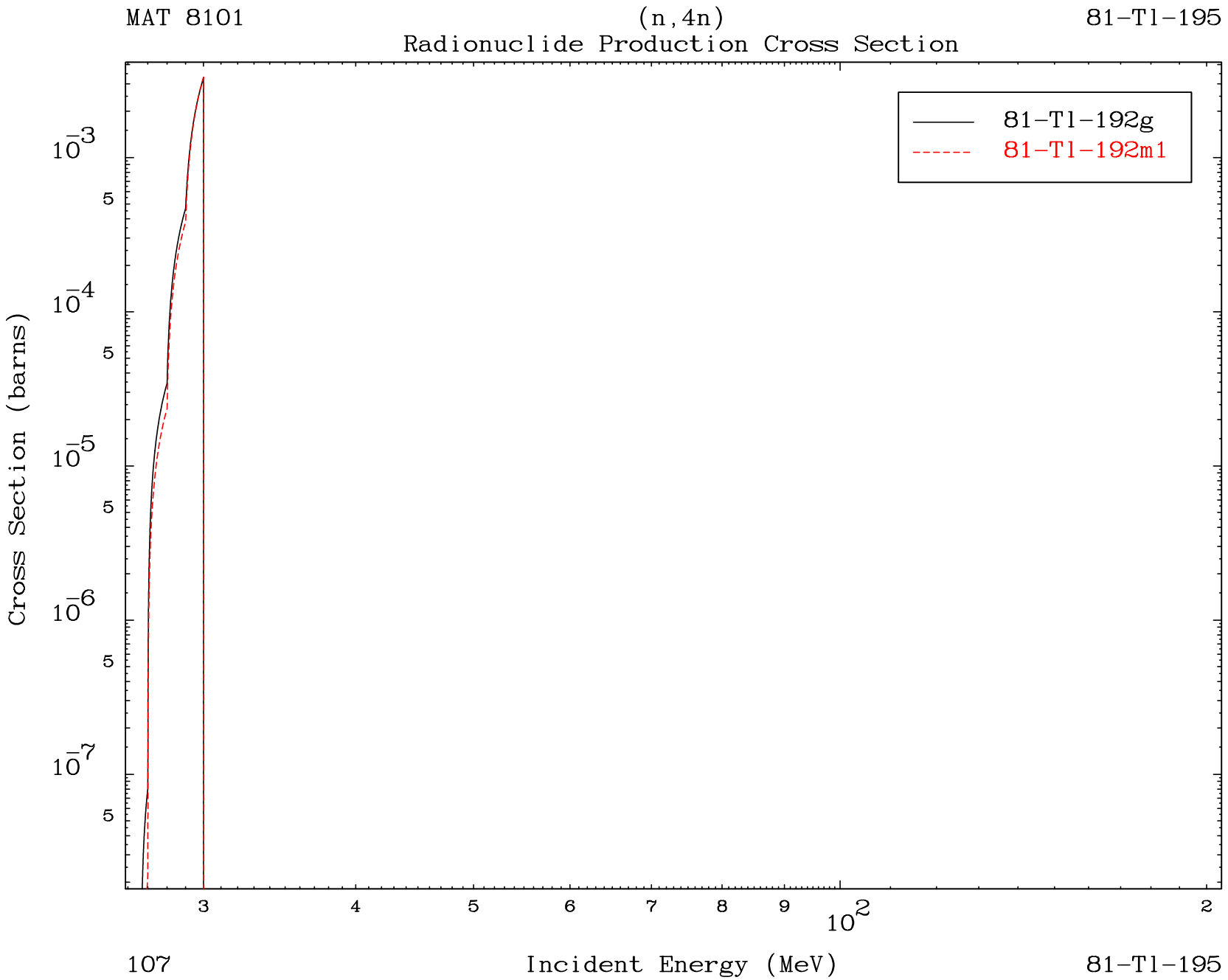

MAT 8101
(n,3n)
81-Tl-195
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
Incident Energy (MeV)
102
81-Tl-195

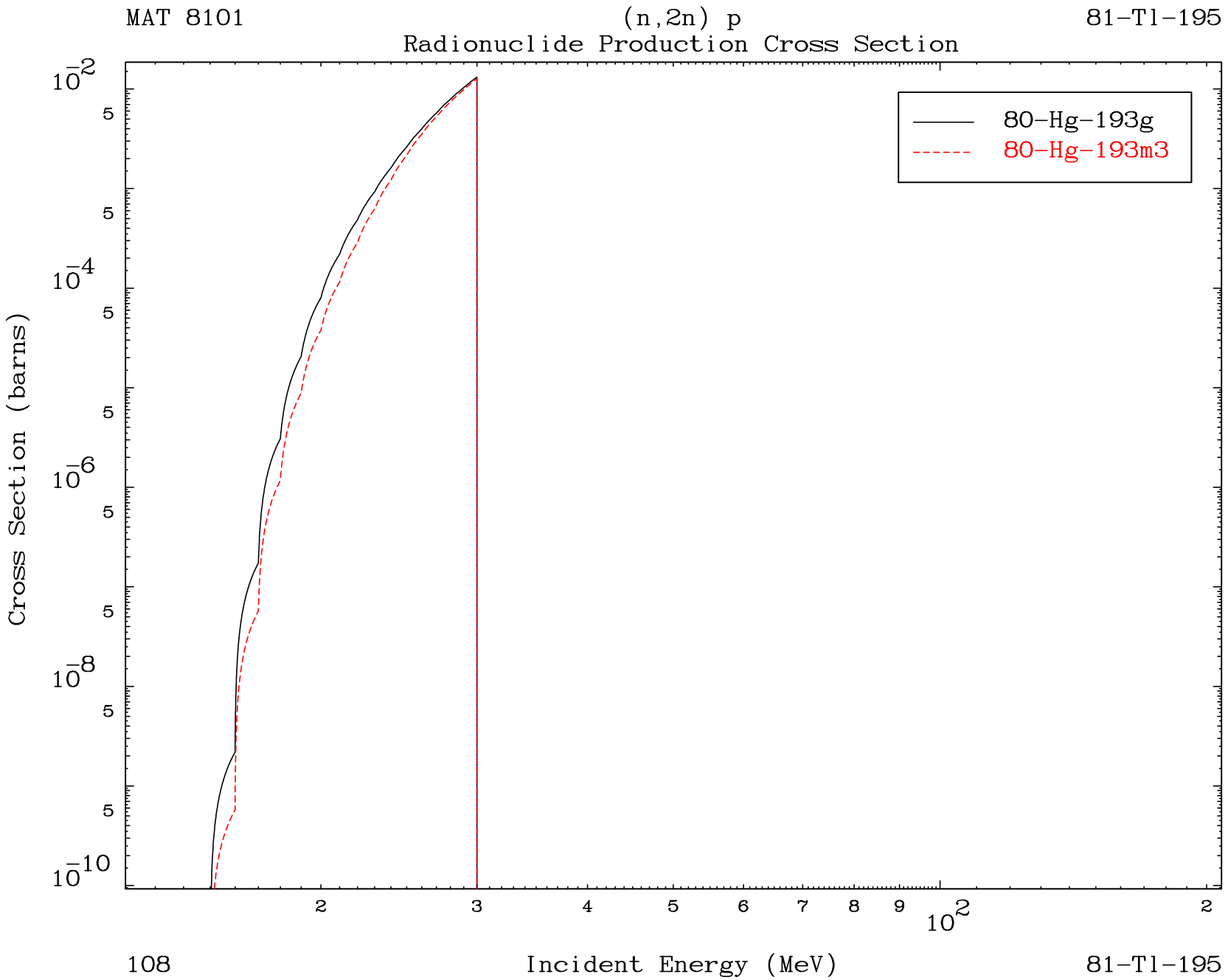

MAT 8101
Fission
81-Tl-195
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{0}
10^{2}
103
Incident Energy (MeV)
81-Tl-195

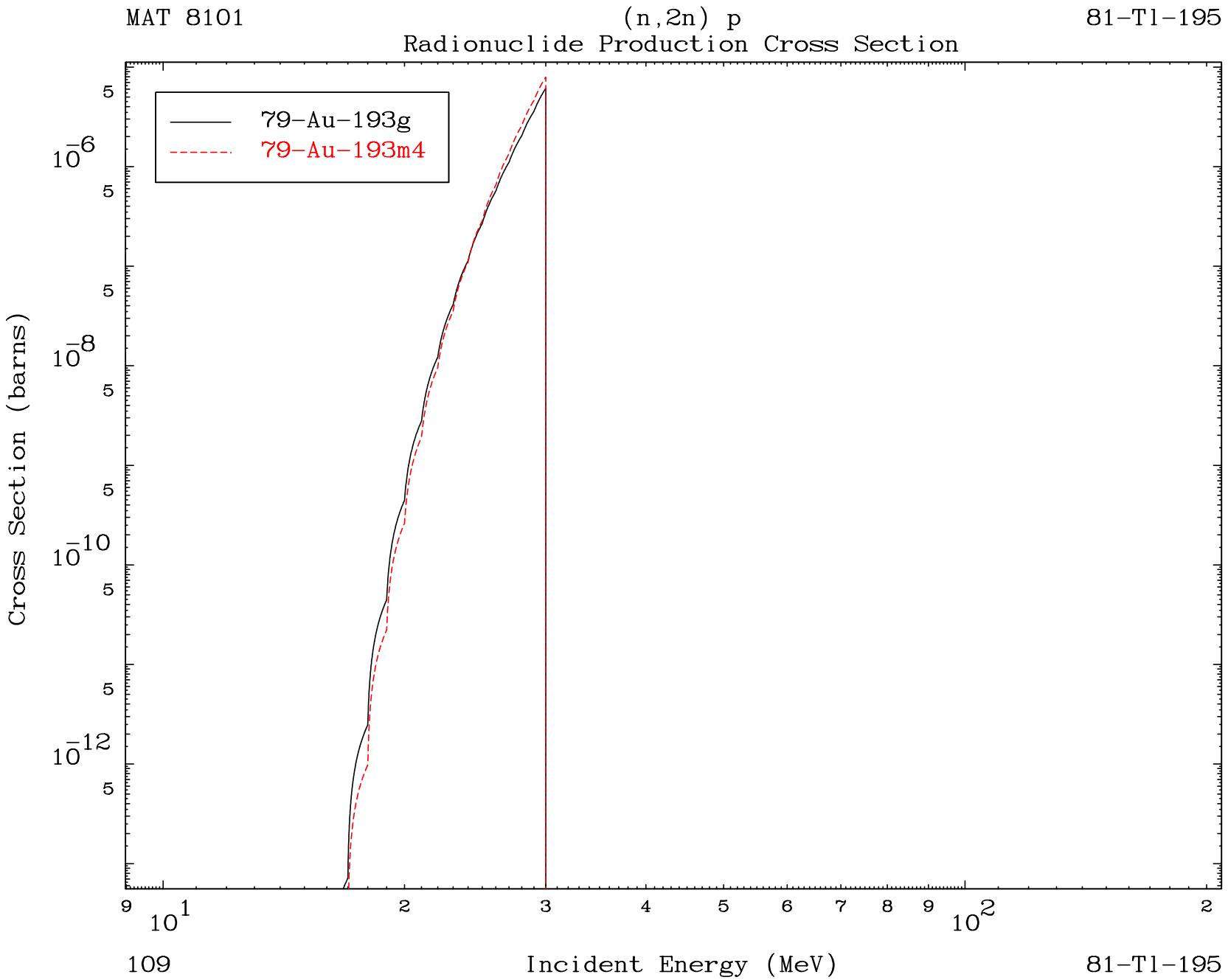

MAT 8101
(n,n') α
81-Tl-195
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
Incident Energy (MeV)
104
81-Tl-195

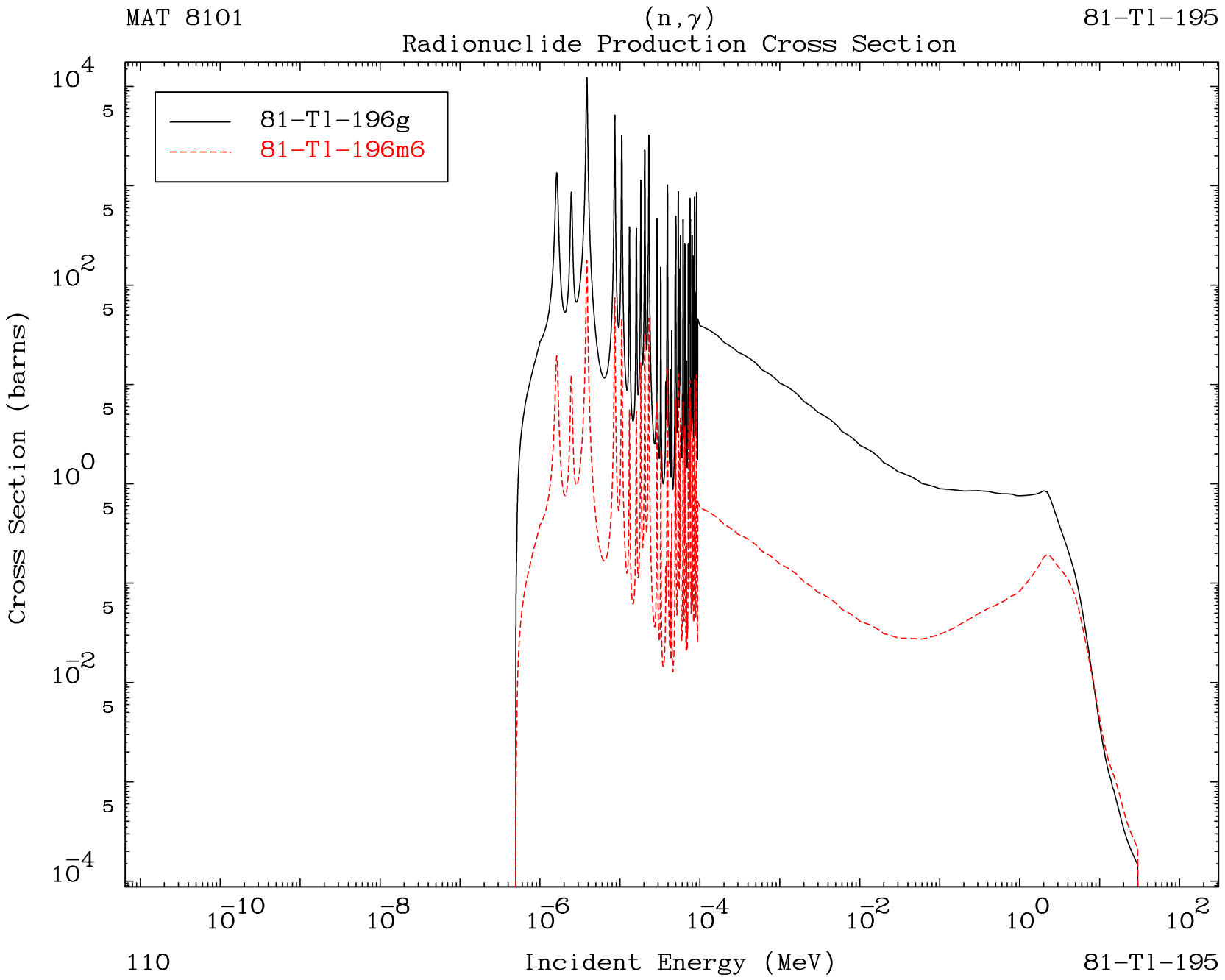

MAT 8101
(n,3n) α
81-Tl-195
Radionuclide Production Cross Section
79-Au-189g
79-Au-189m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
105
Incident Energy (MeV)
81-Tl-195

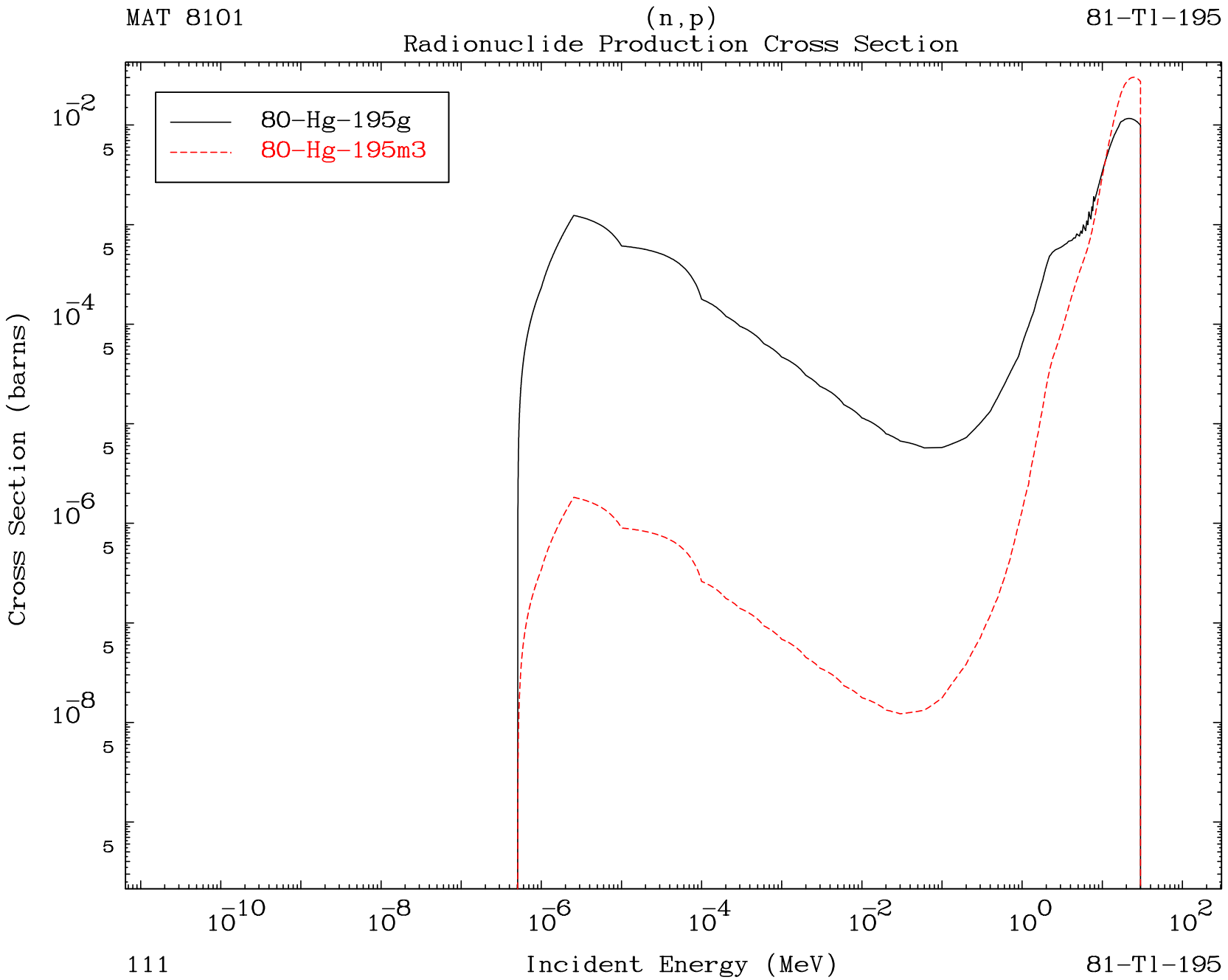

MAT 8101
(n,n') d
81-Tl-195
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
106
81-Tl-195

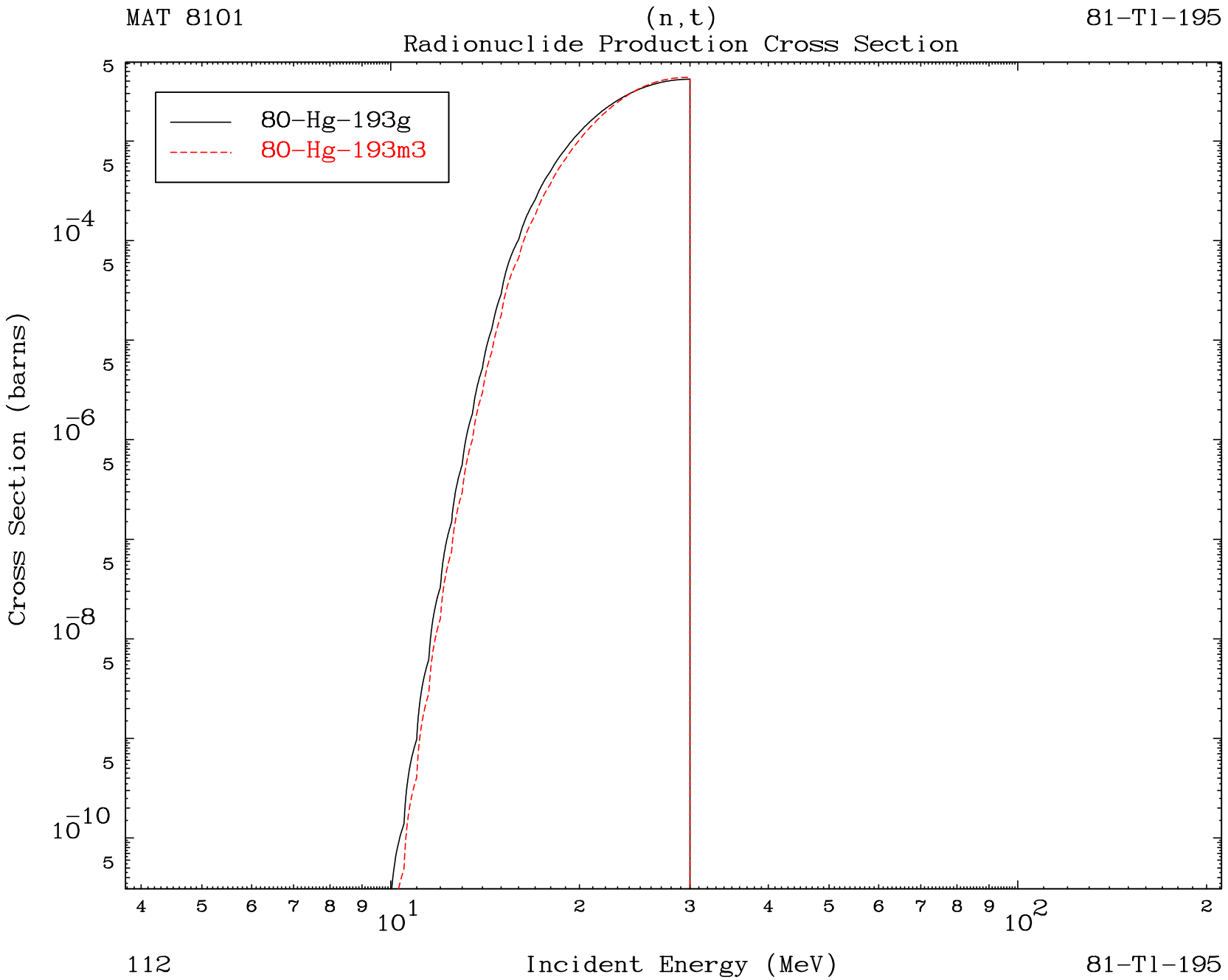

MAT 8101
(n,4n)
81-Tl-195
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
5
3
4
5
6
7
8
9
10-2
2
107
Incident Energy (MeV)
81-Tl-195

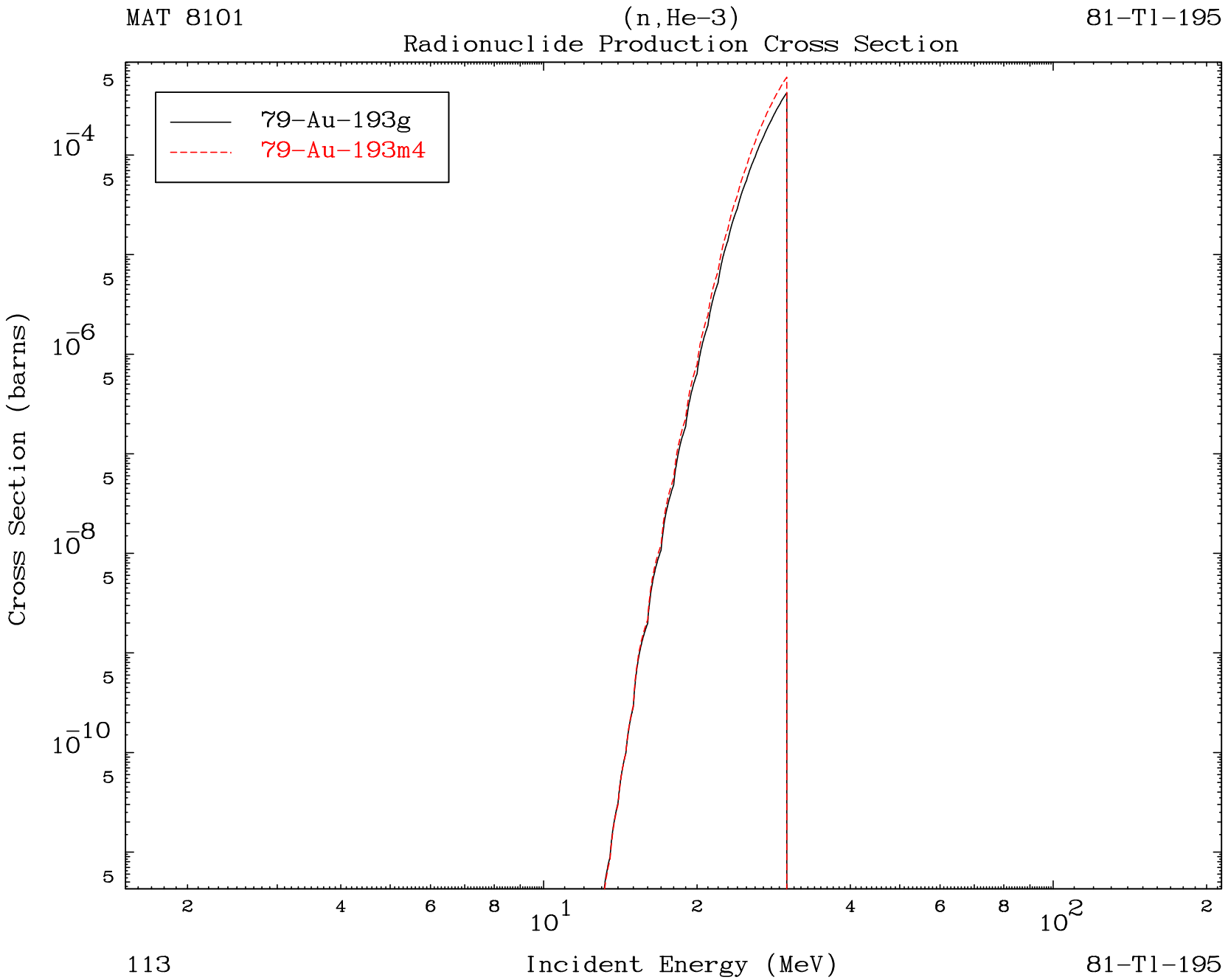

MAT 8101
(n,2n) p
81-Tl-195
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
Incident Energy (MeV)
108
81-Tl-195

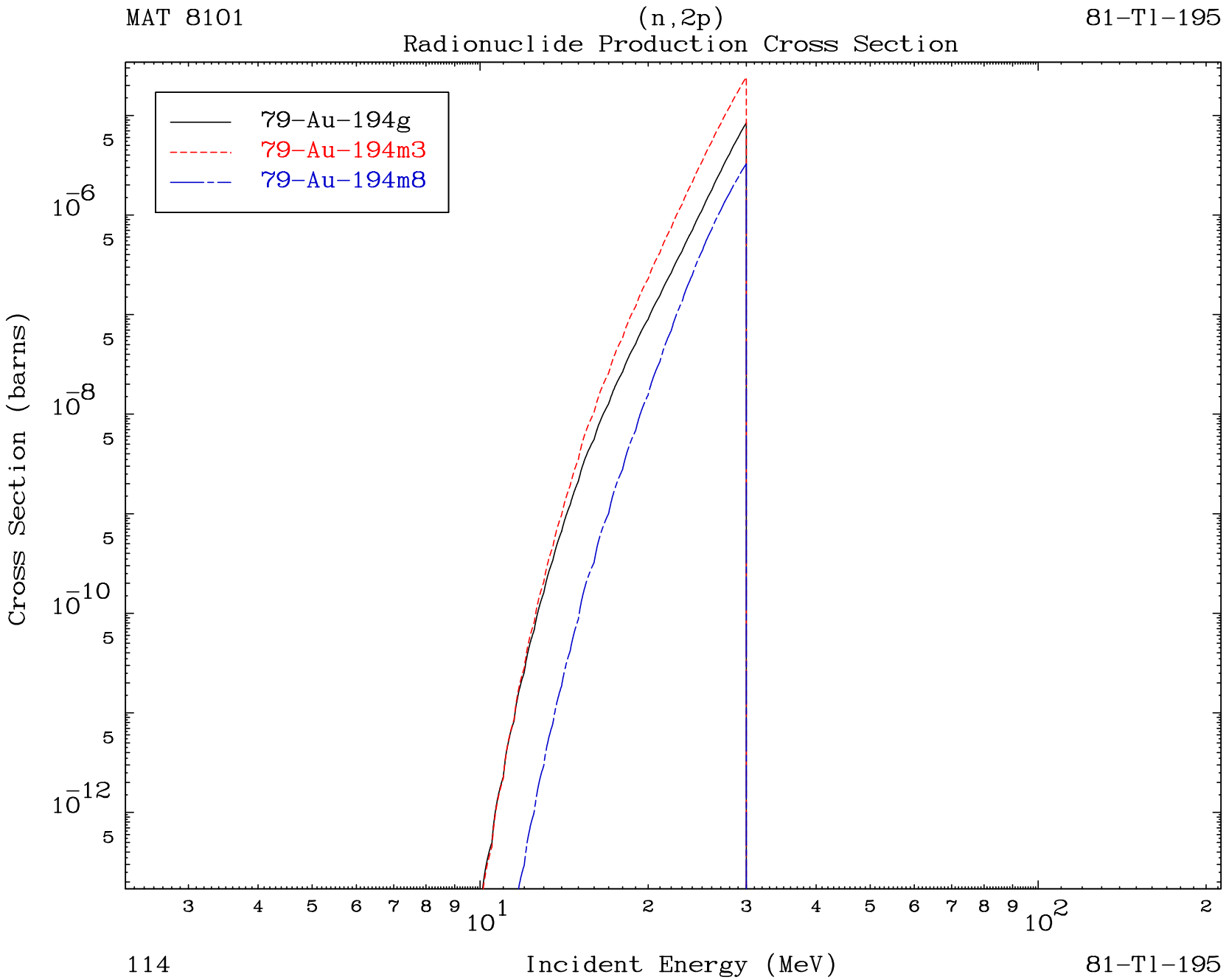

MAT 8101
(n,2n) p
81-Tl-195
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
109
Incident Energy (MeV)
81-Tl-195

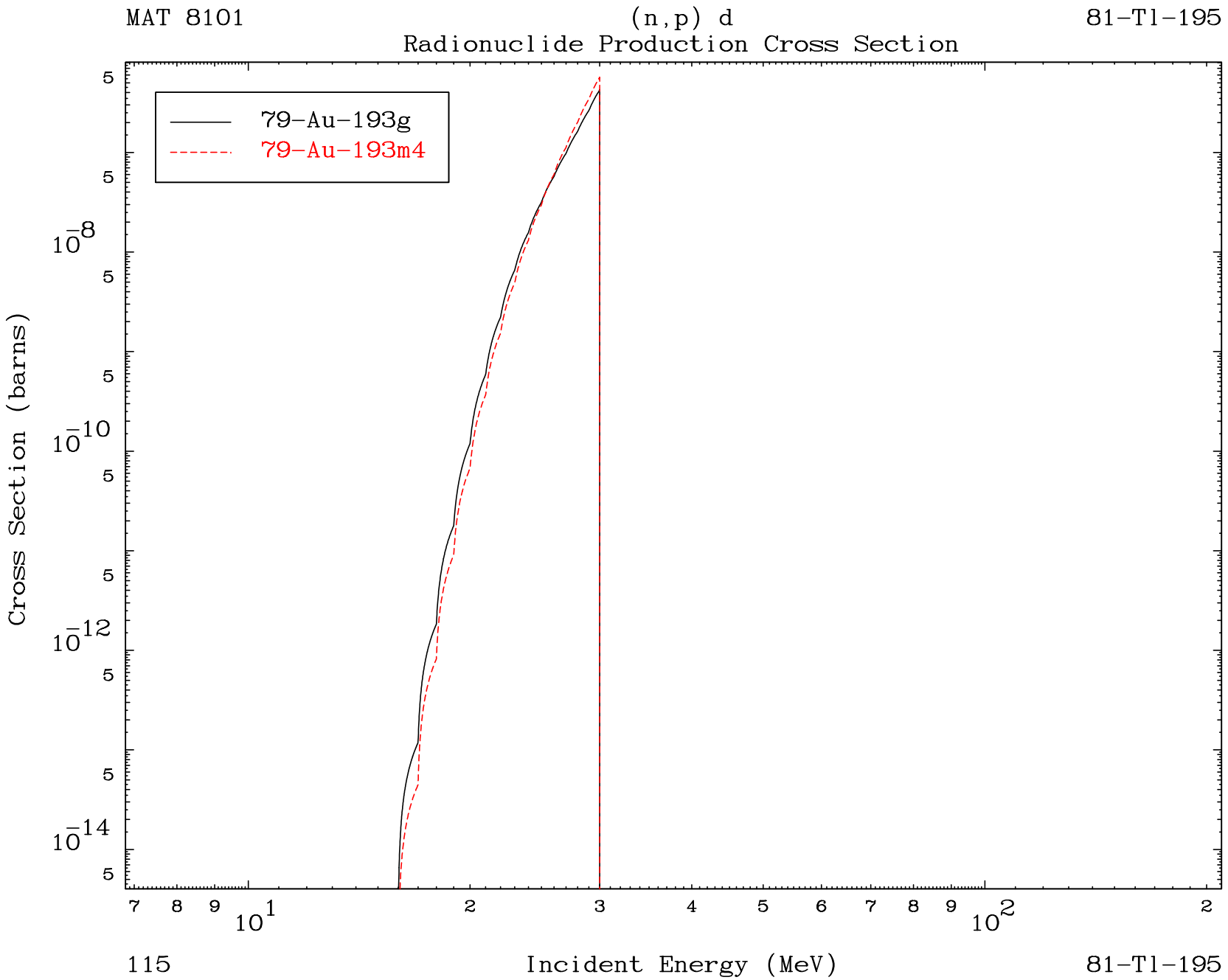

MAT 8101
(n,γ)
81-Tl-195
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
110
81-Tl-195


MAT 8101
(n,p)
81-Tl-195
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
111
81-Tl-195


MAT 8101
(n,t)
81-Tl-195
Radionuclide Production Cross Section
80-Hg-193g
80-Hg-193m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
112
81-Tl-195


MAT 8101
(n,He-3)
81-Tl-195
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
113
81-Tl-195


MAT 8101
(n,2p)
81-Tl-195
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
Incident Energy (MeV)
114
81-Tl-195


MAT 8101
(n,p) d
81-Tl-195
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
115
81-Tl-195