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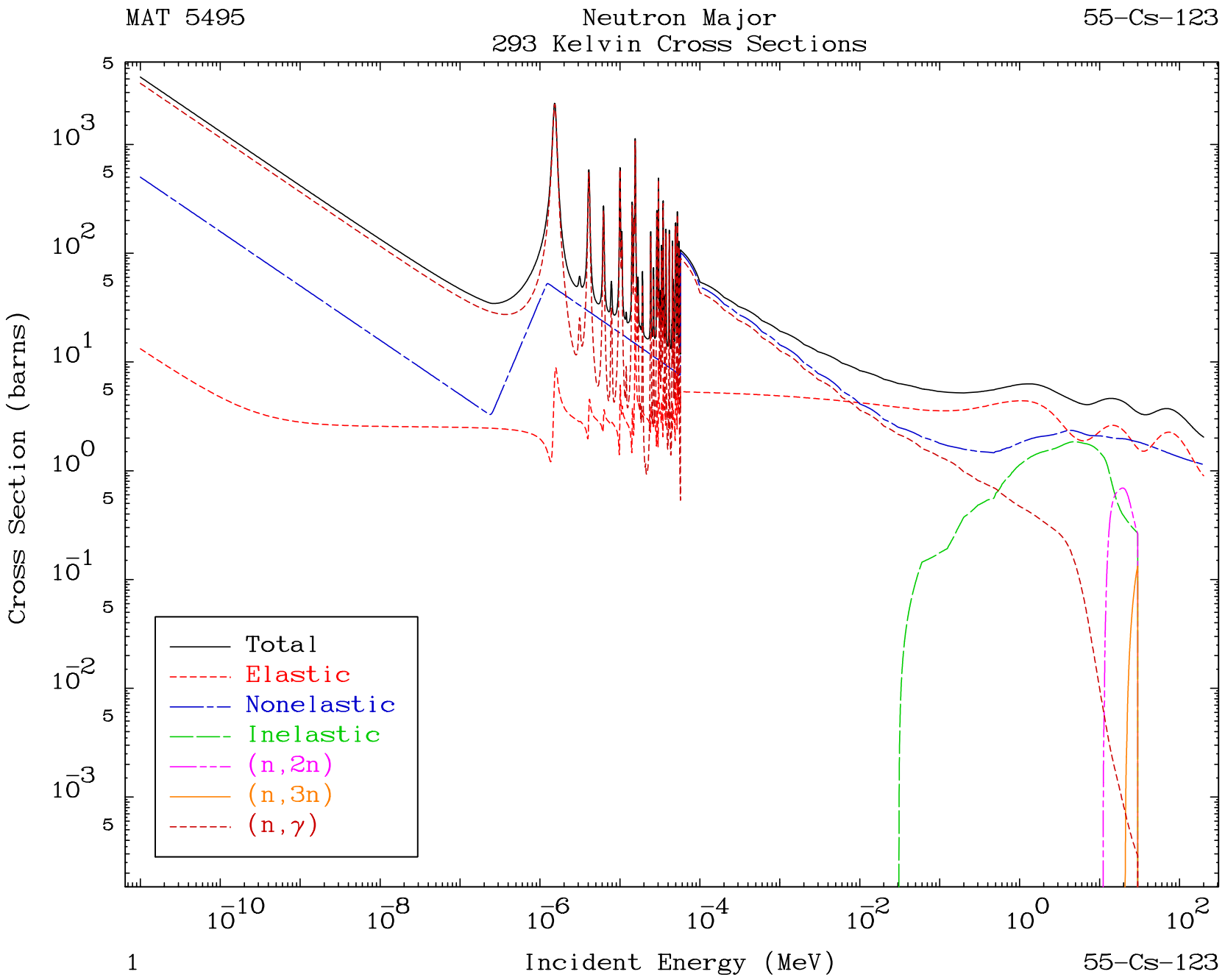
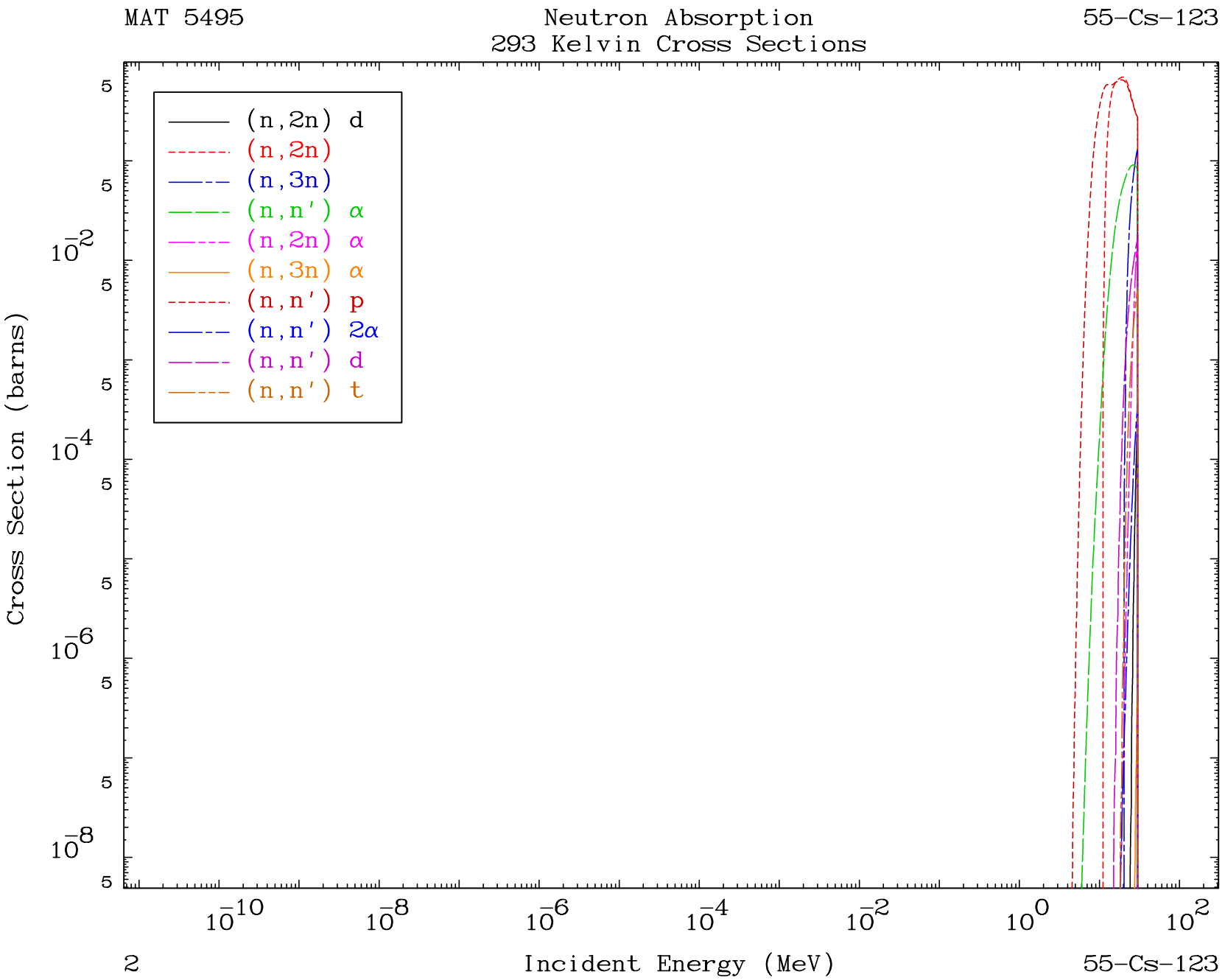
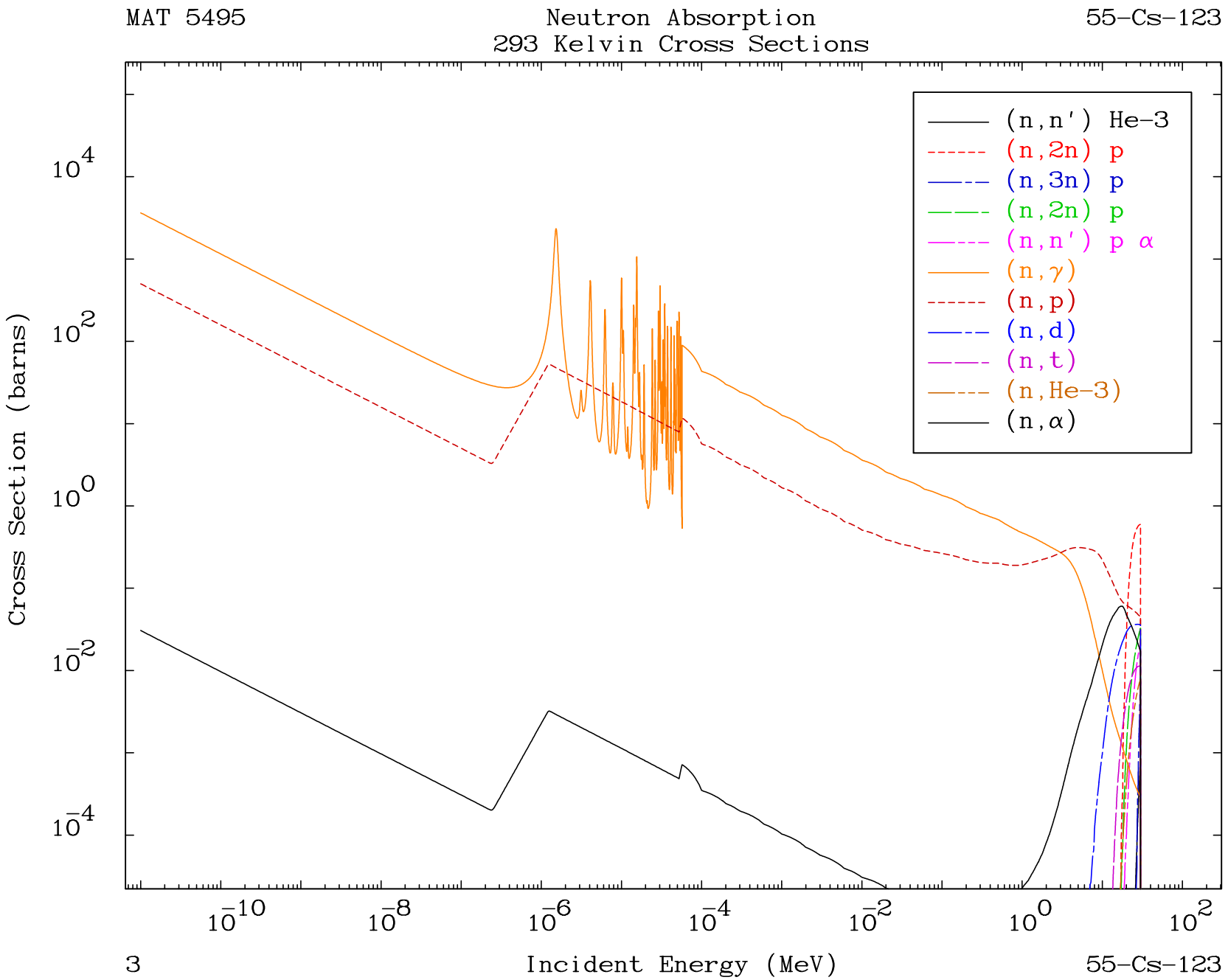
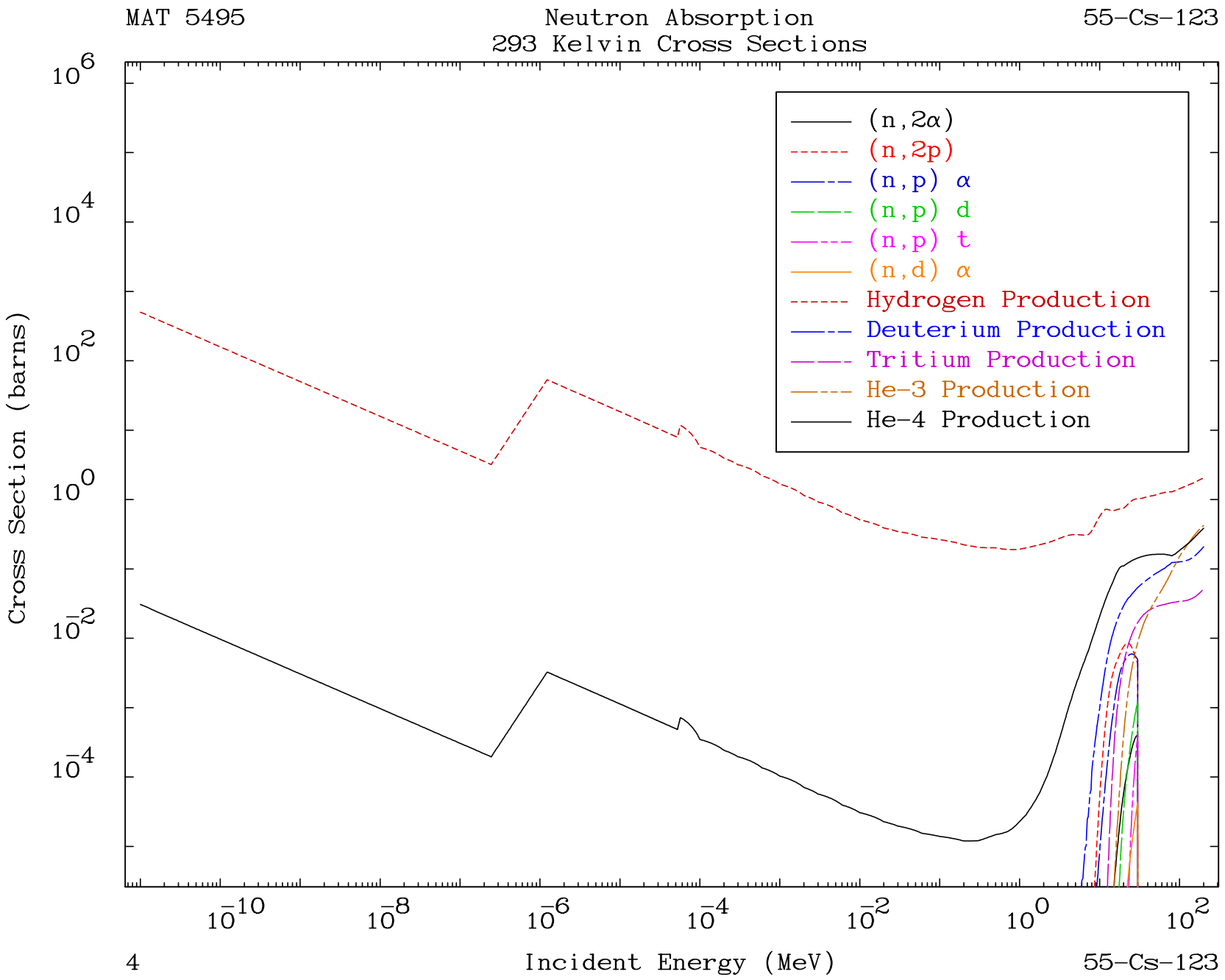
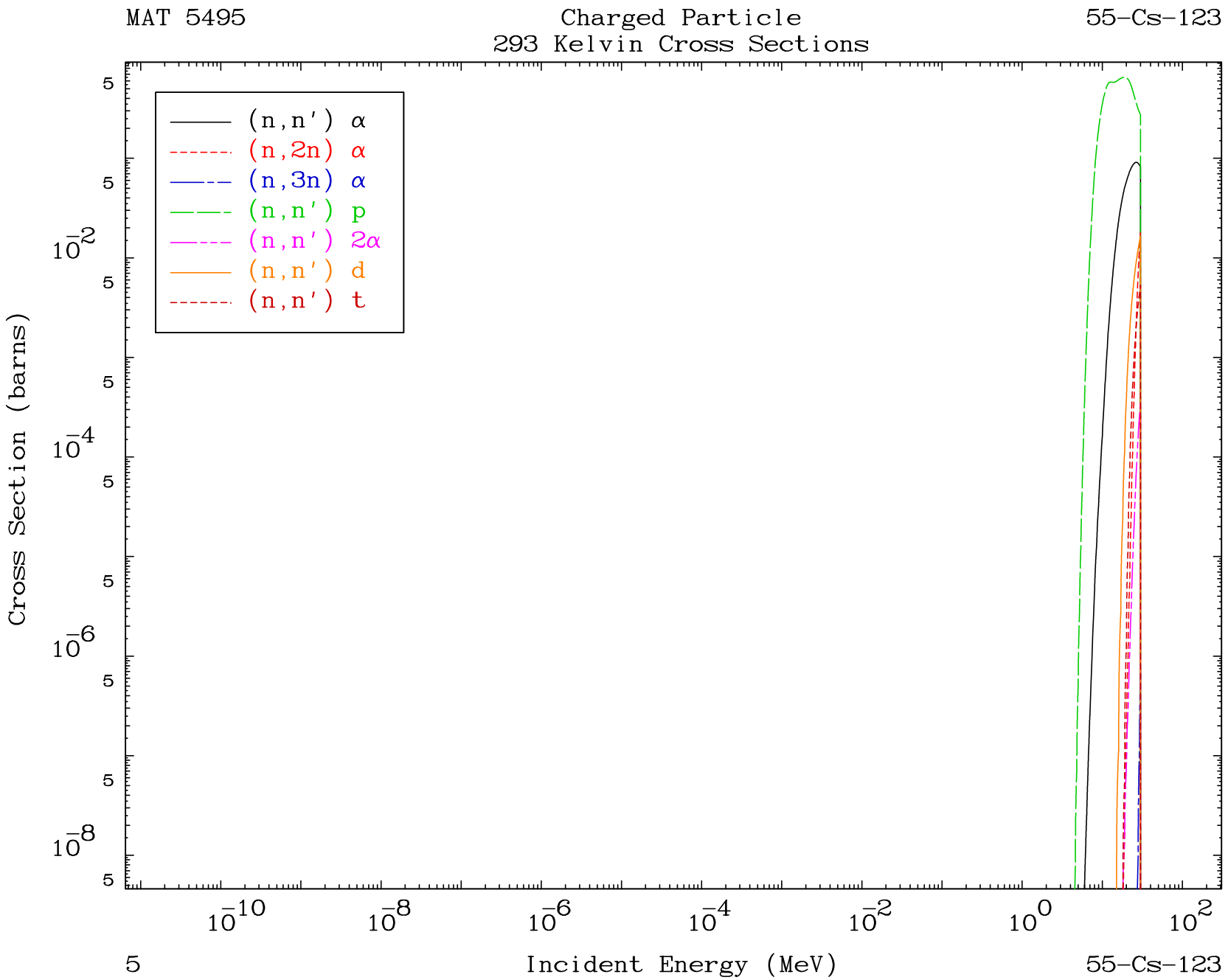
Press Mouse Button to Start

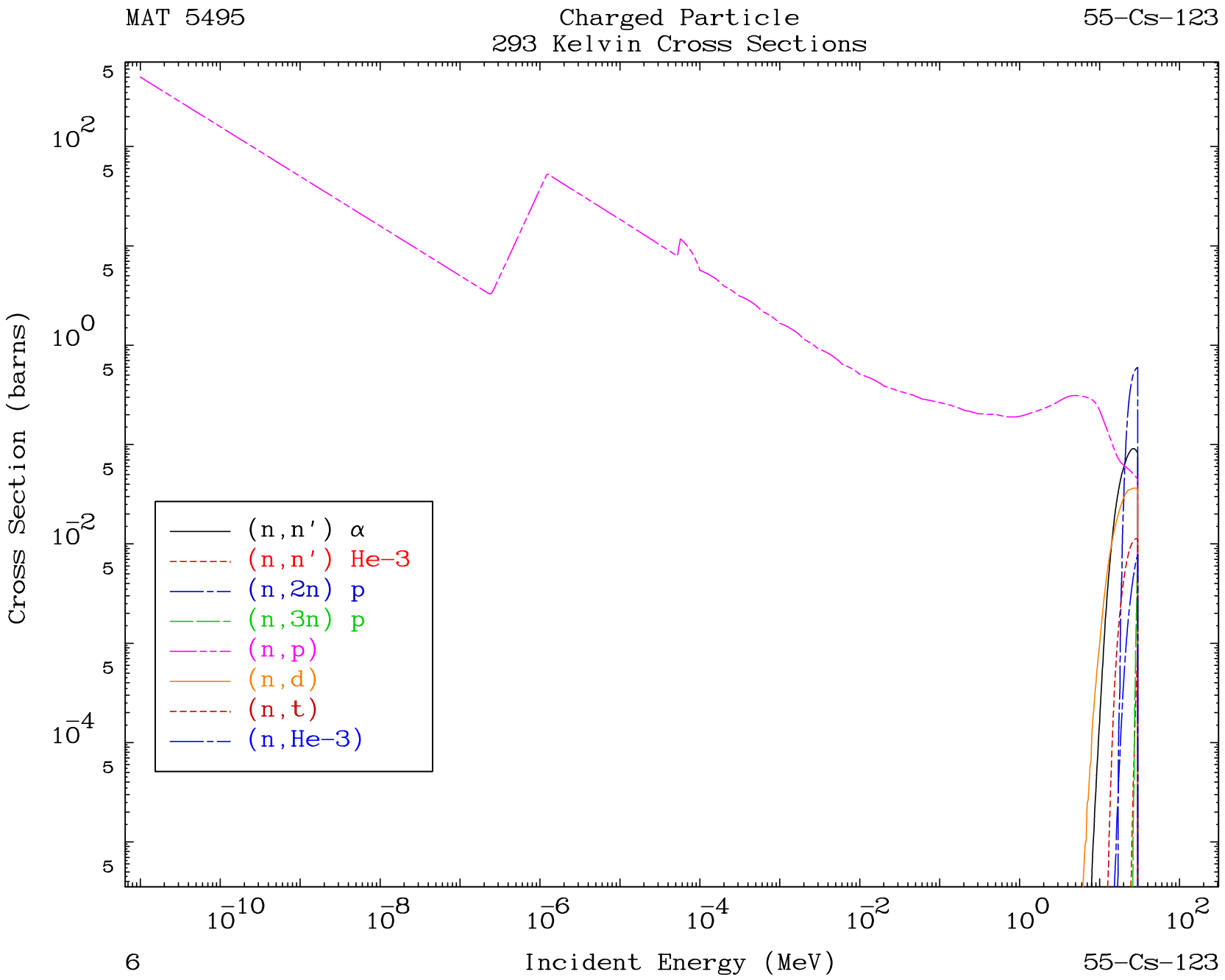

MAT 5495
Neutron Major
55-Cs-123
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
55-Cs-123
1
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)

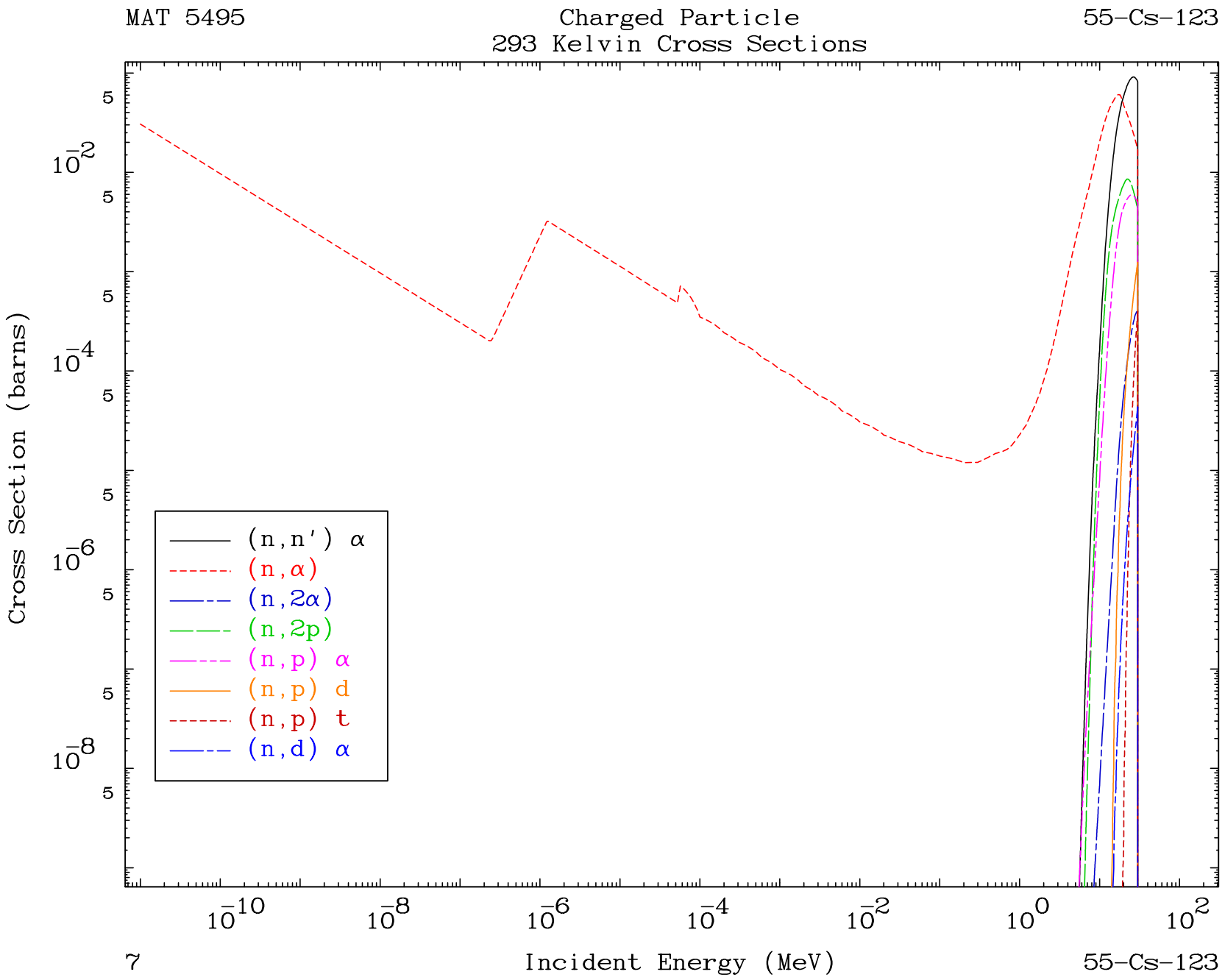

MAT 5495
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-123
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
55-Cs-123

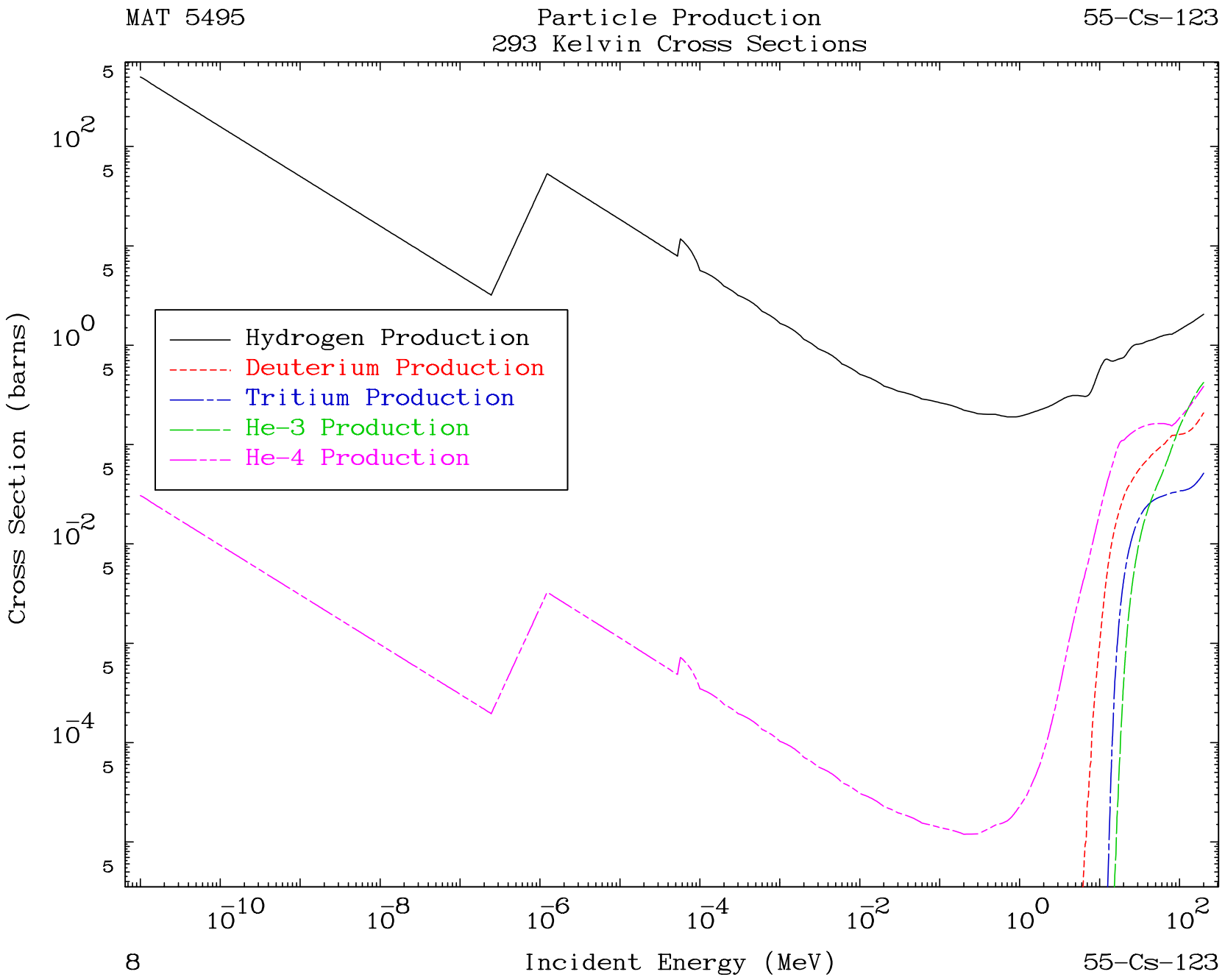

MAT 5495
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-123
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
3
Incident Energy (MeV)
55-Cs-123

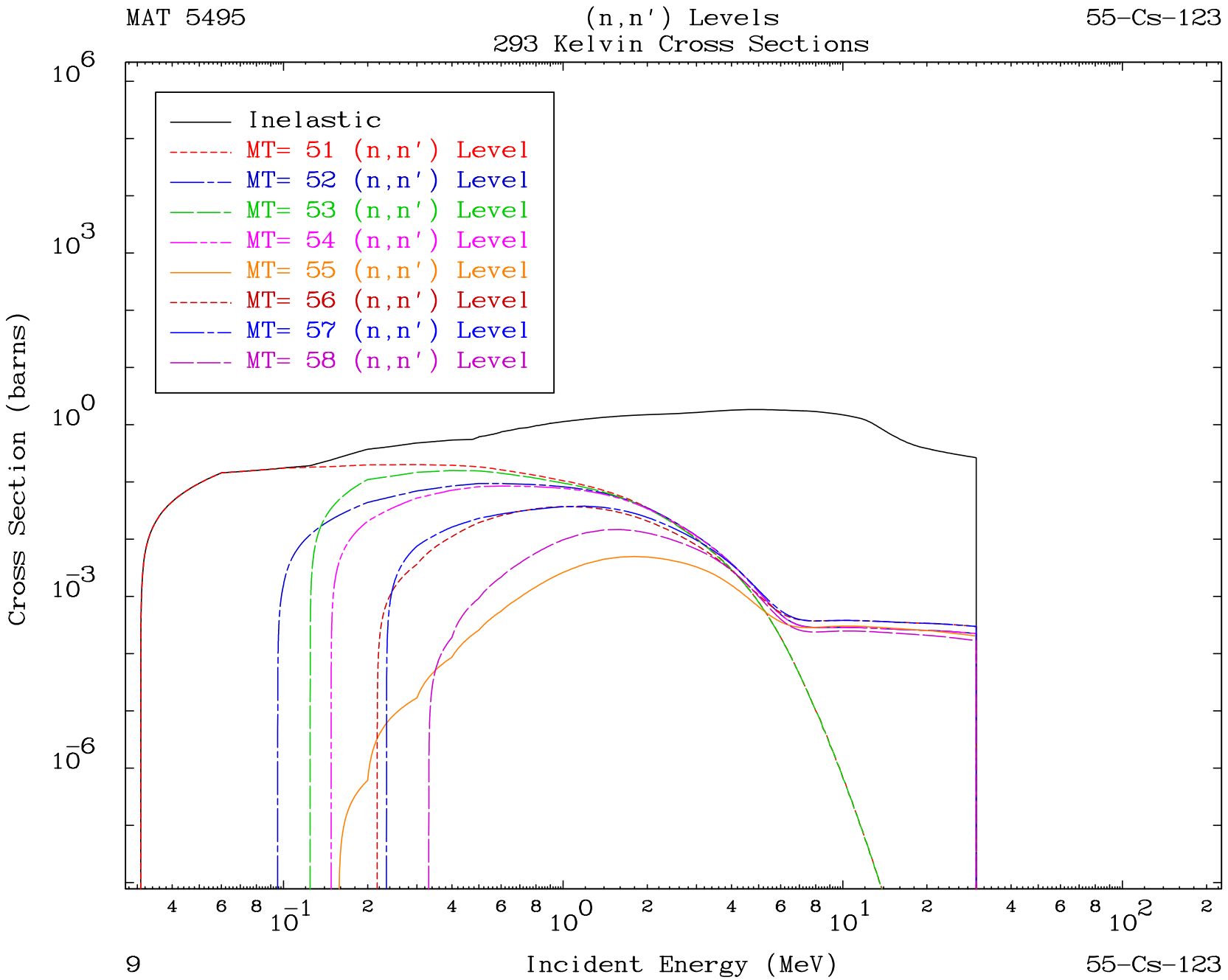

MAT 5495
Neutron Absorption
293 Kelvin Cross Sections
55-Cs-123
Cross Section (barns)
Incident Energy (MeV)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
4
55-Cs-123

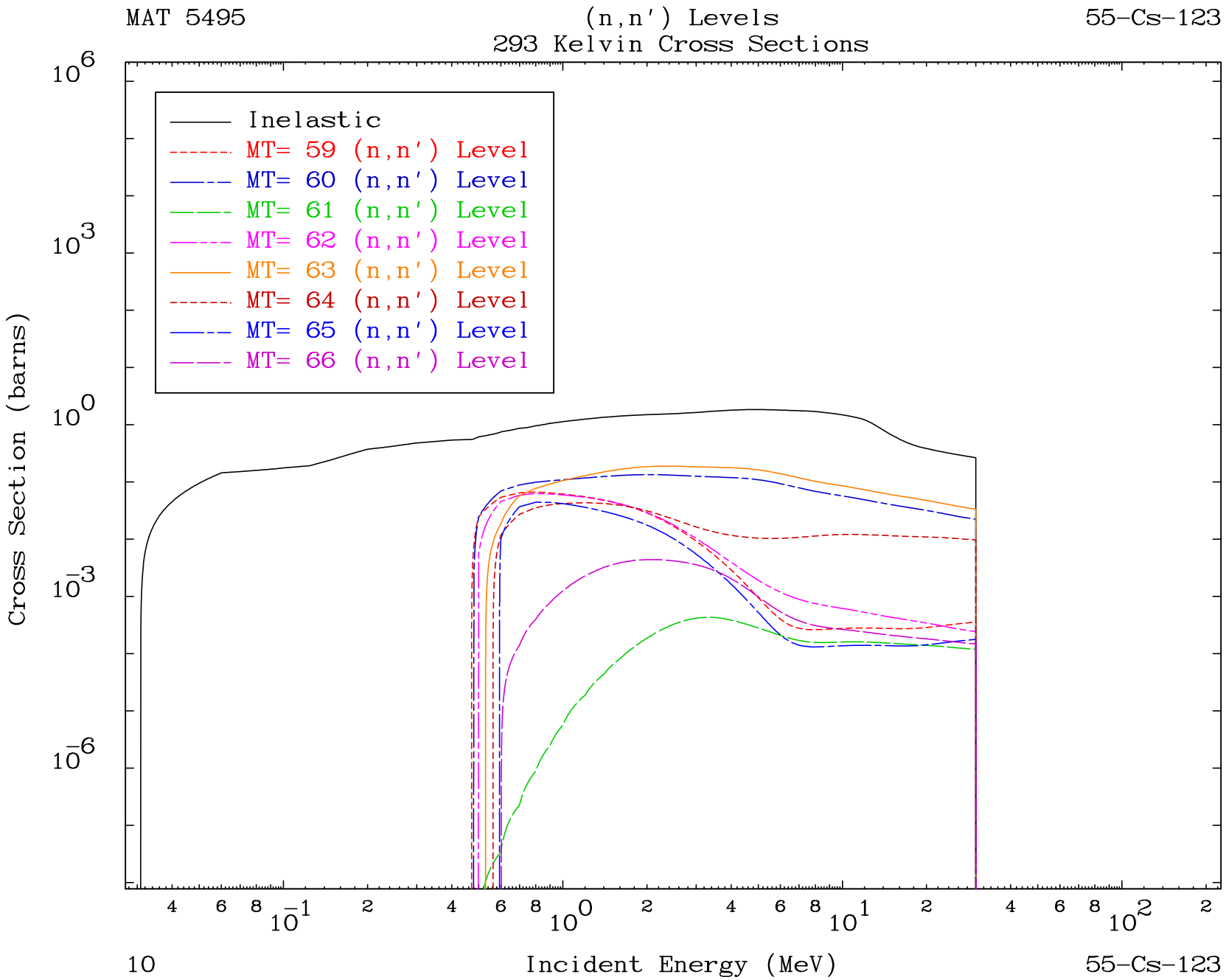

MAT 5495
Charged Particle
55-Cs-123
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
55-Cs-123

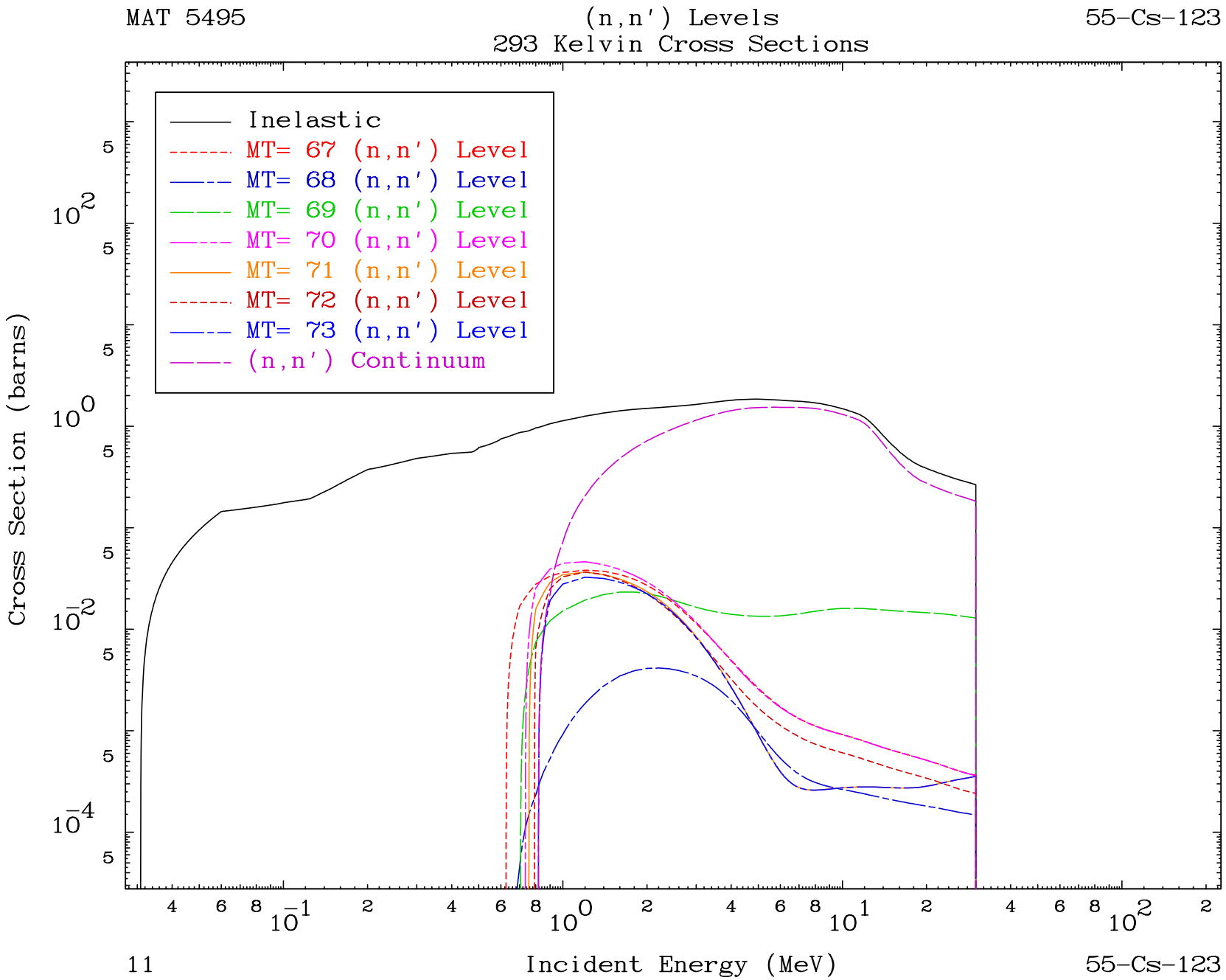

MAT 5495
Charged Particle
55-Cs-123
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
6
55-Cs-123

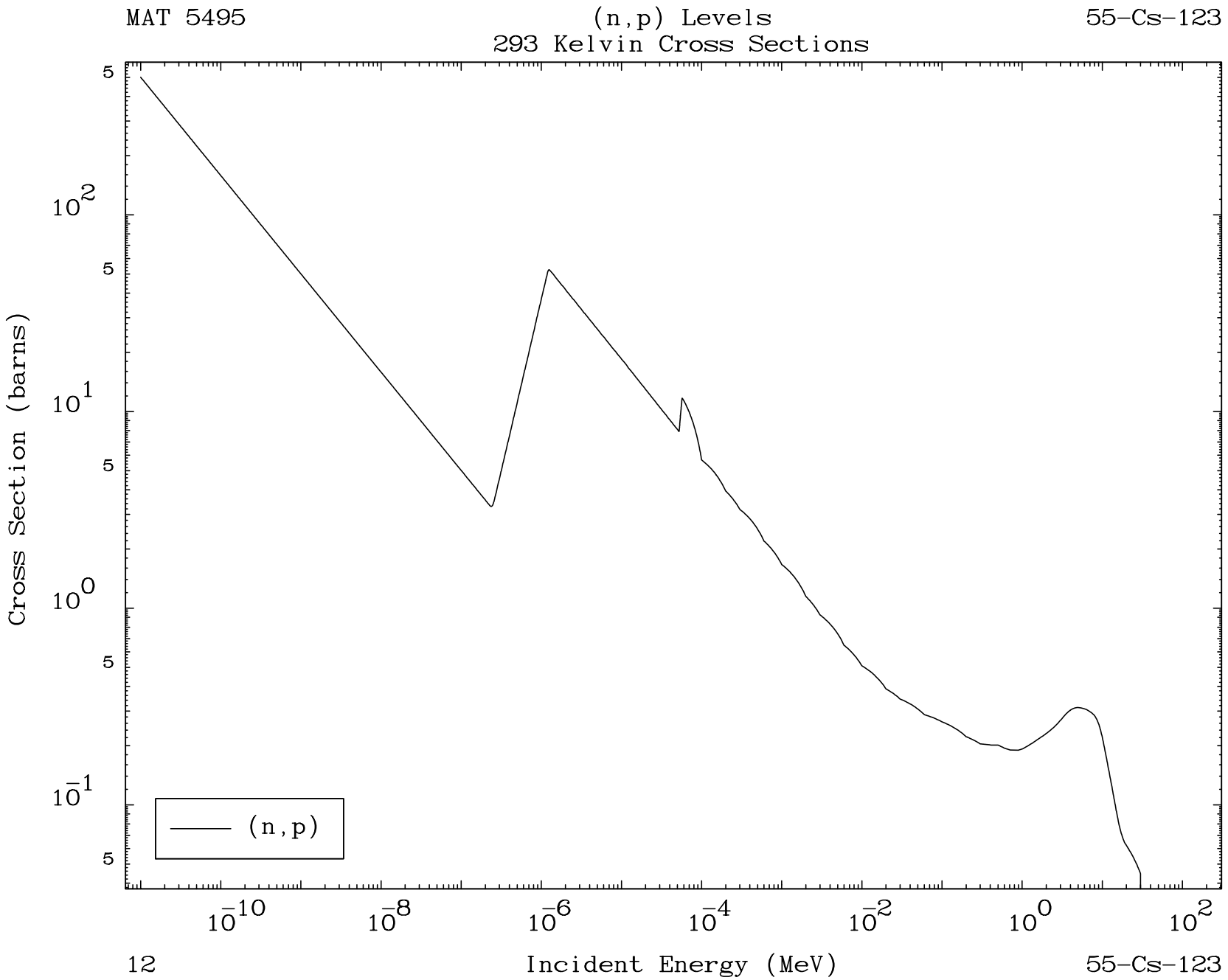

MAT 5495
Charged Particle
293 Kelvin Cross Sections
55-Cs-123
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
7
55-Cs-123

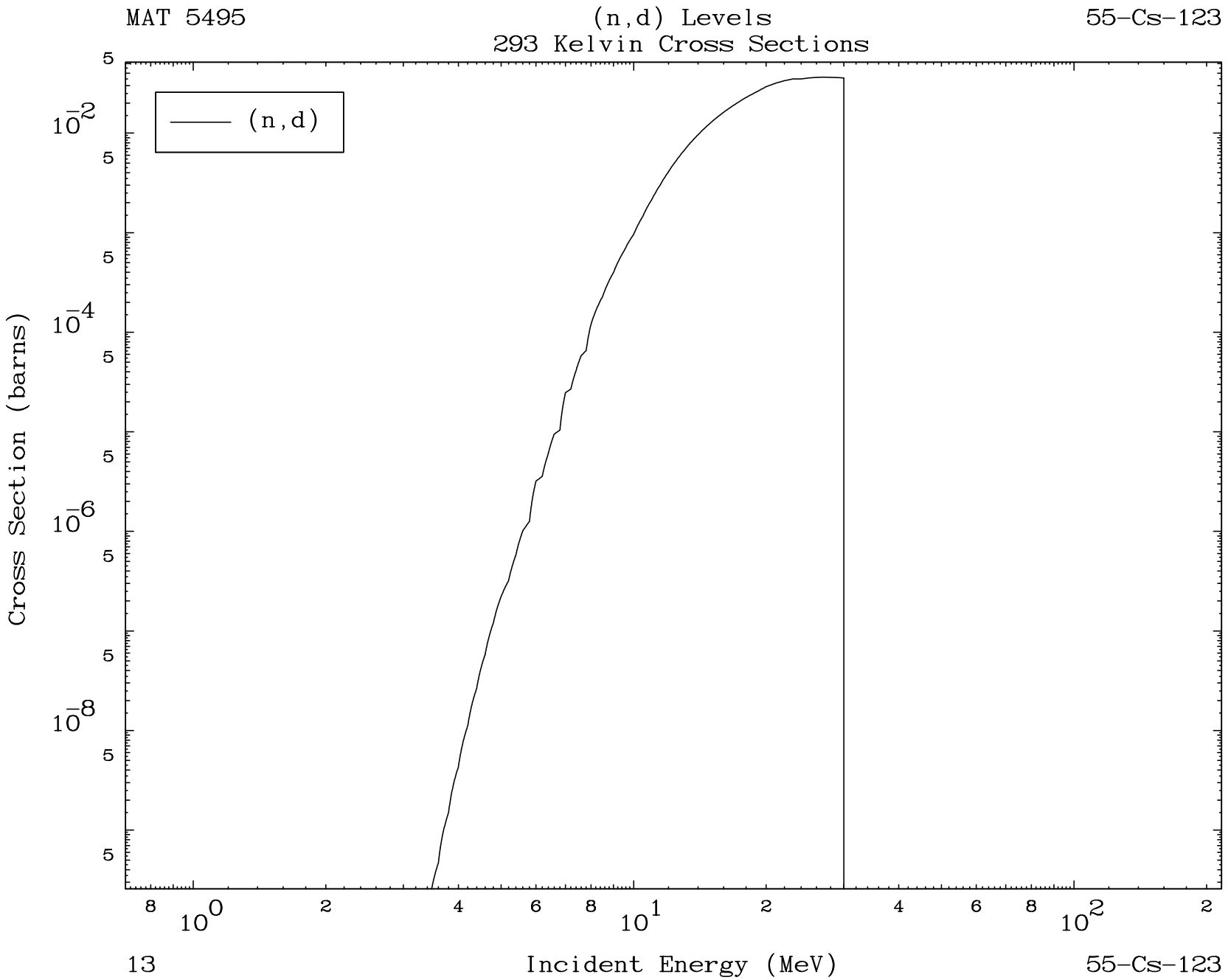

MAT 5495
Particle Production
293 Kelvin Cross Sections
55-Cs-123
Cross Section (barns)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Incident Energy (MeV)
8
55-Cs-123

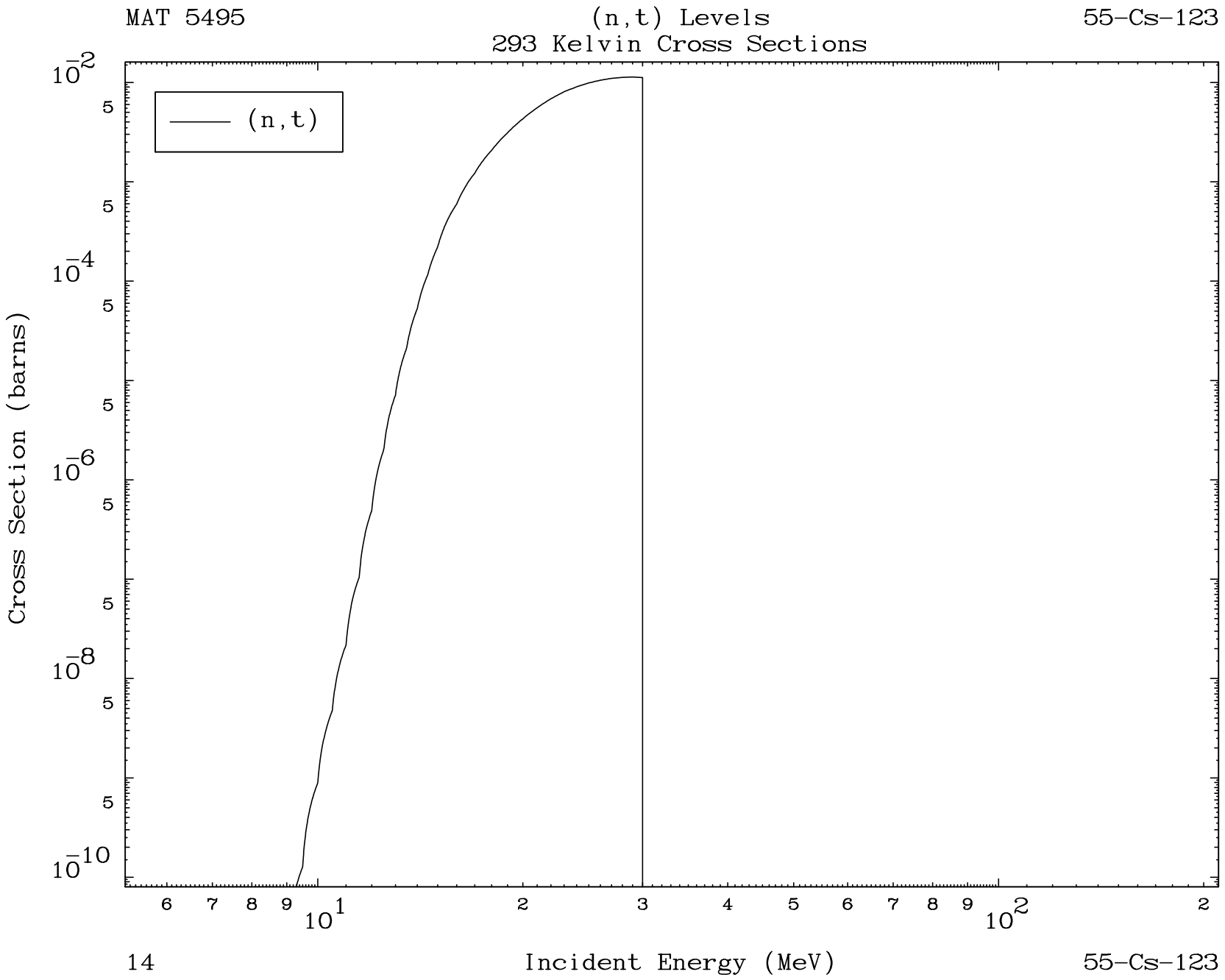

MAT 5495
(n,n') Levels
55-Cs-123
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
55-Cs-123

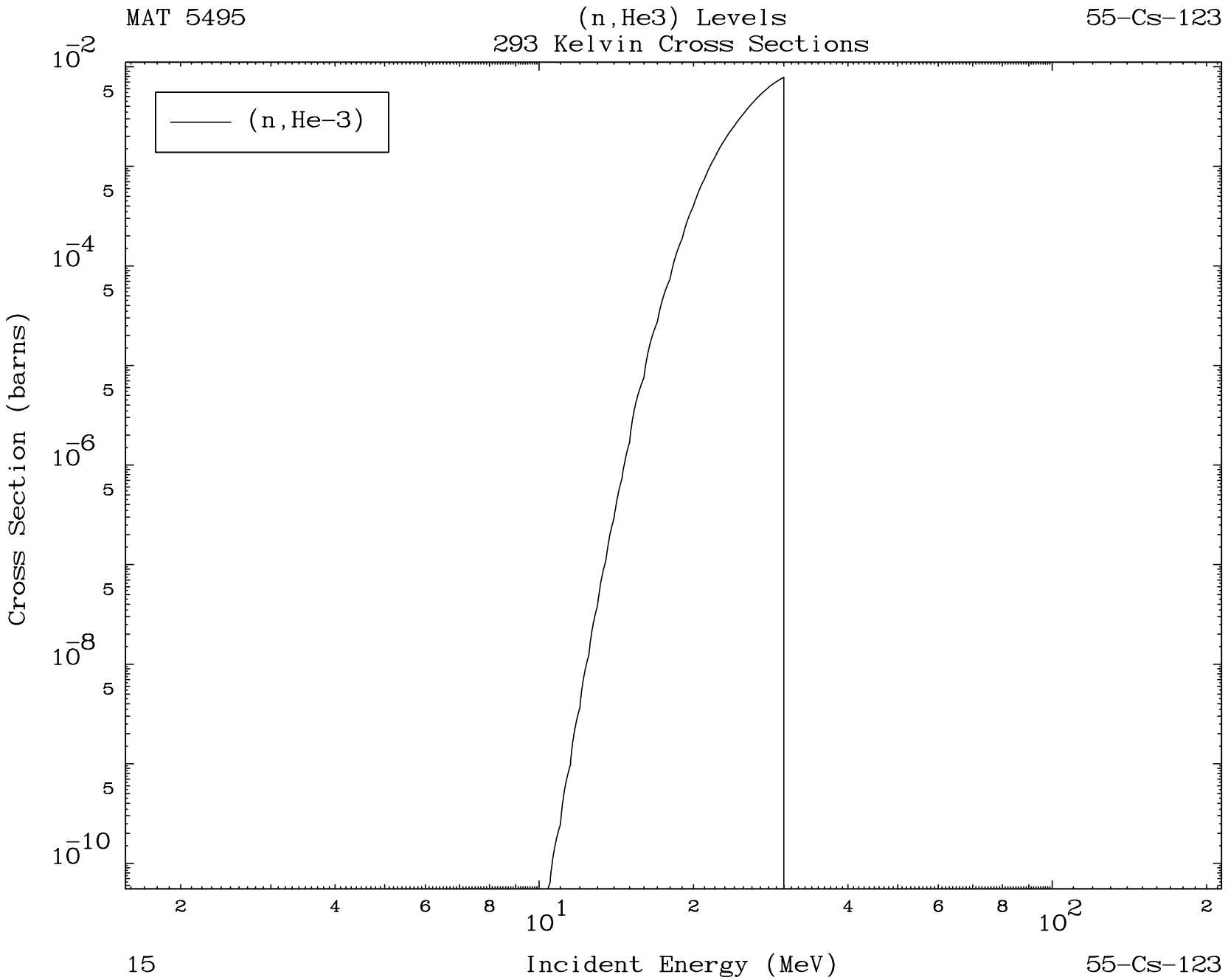

MAT 5495
(n,n') Levels
293 Kelvin Cross Sections
55-Cs-123
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
55-Cs-123

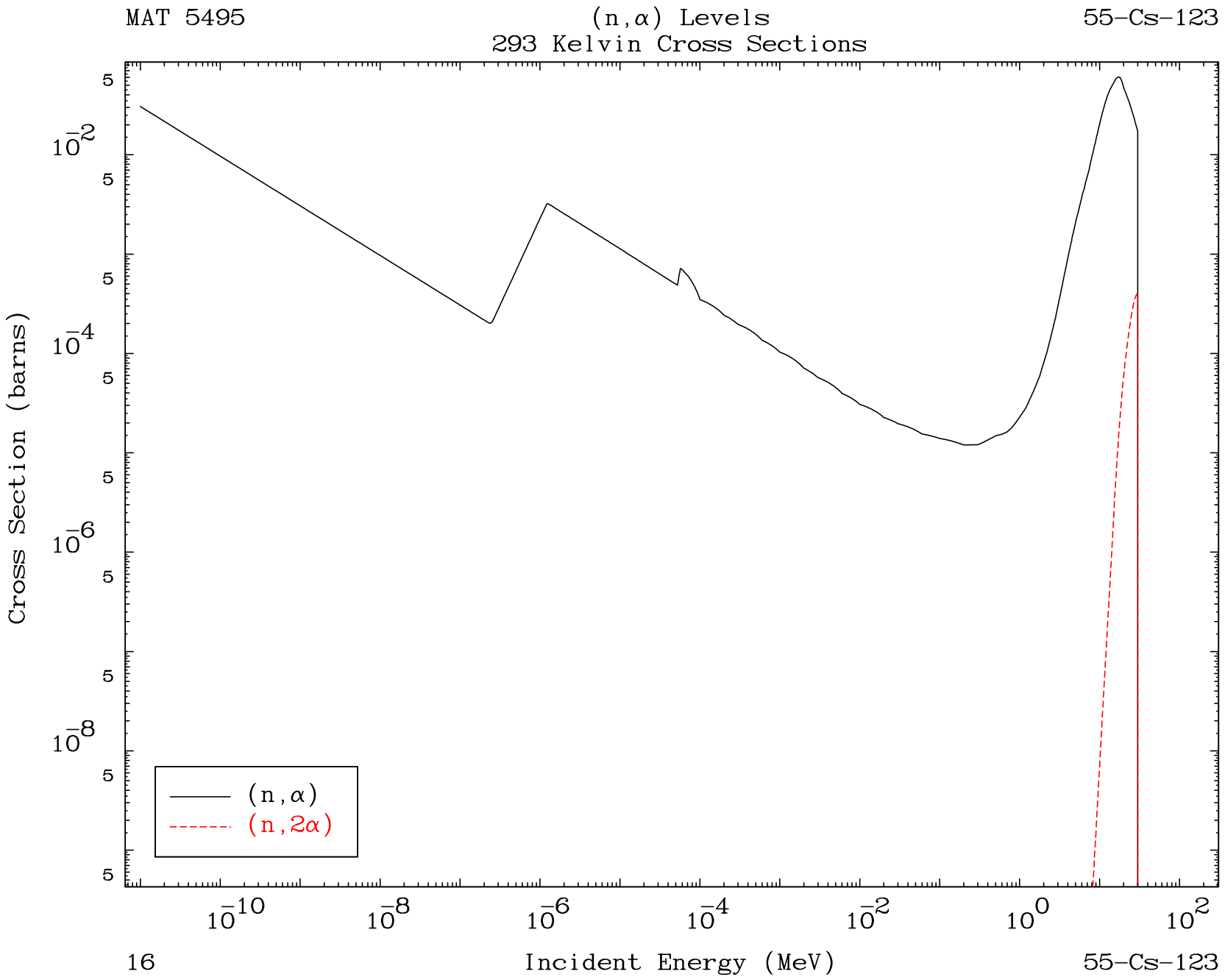

MAT 5495
(n,n') Levels
55-Cs-123
293 Kelvin Cross Sections
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-123

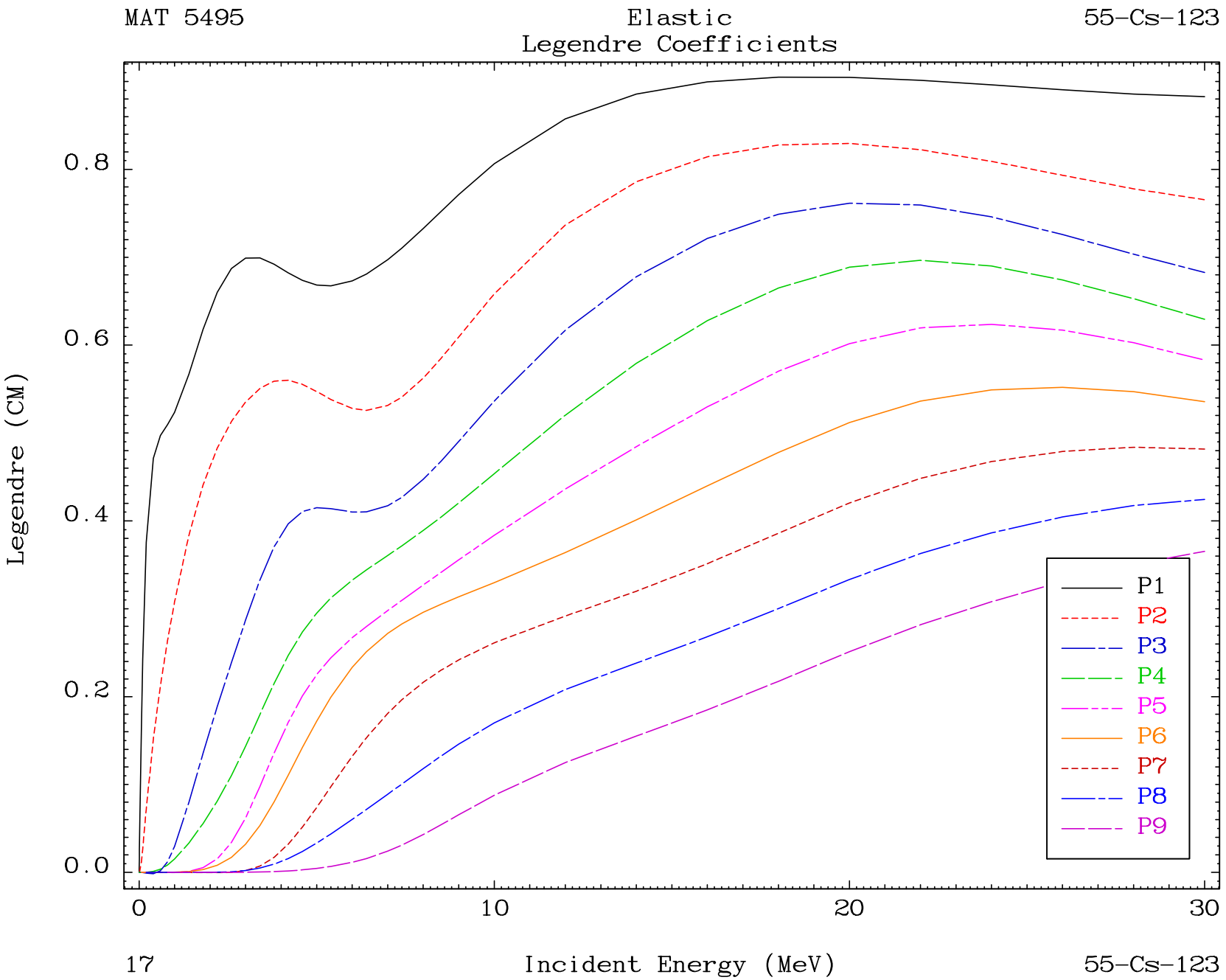

MAT 5495
(n,p) Levels
55-Cs-123
293 Kelvin Cross Sections
Cross Section (barns)
5
10^2
5
10^1
5
10^0
5
10^-1
5
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
12
Incident Energy (MeV)
55-Cs-123

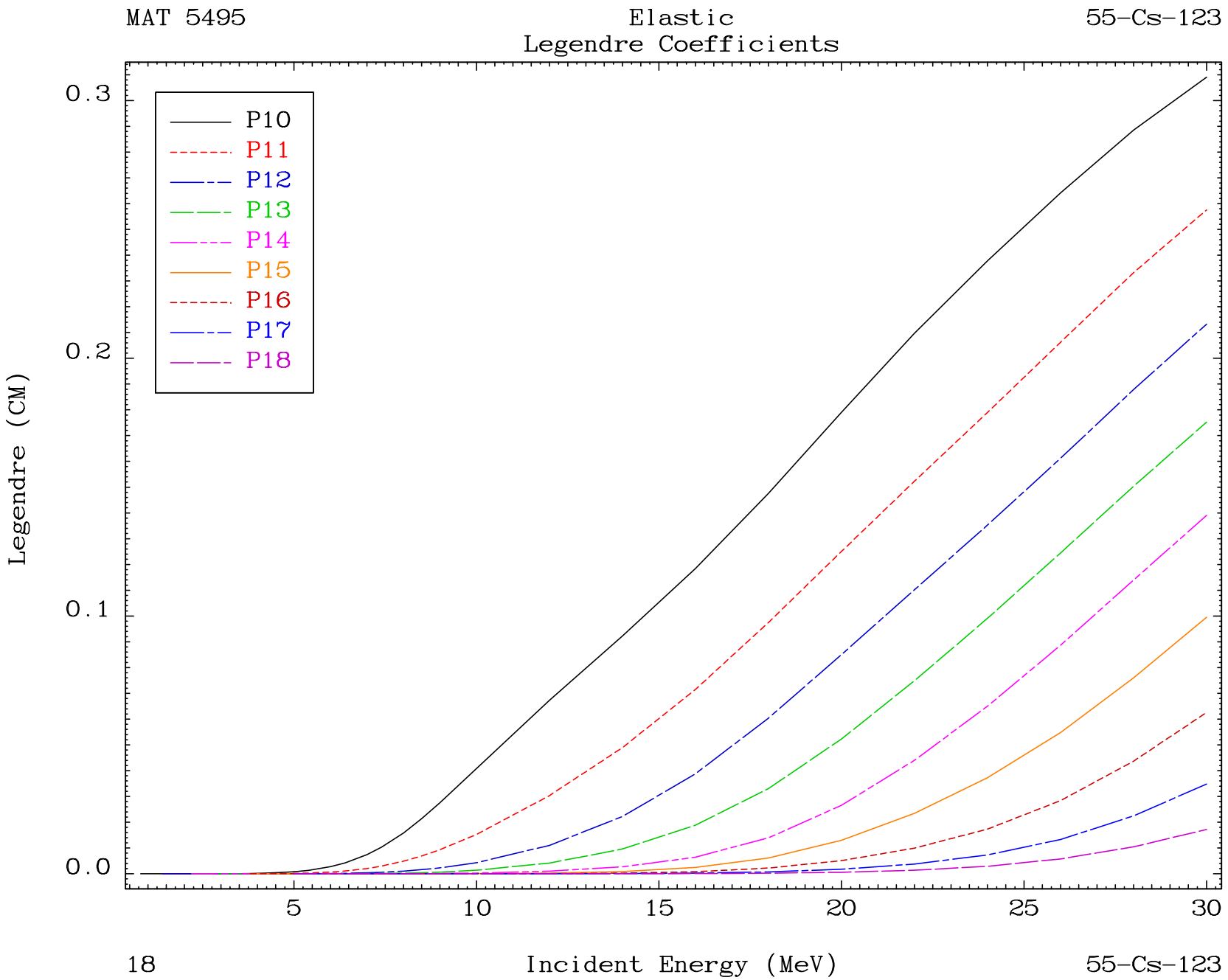

MAT 5495
(n,d) Levels
55-Cs-123
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
55-Cs-123

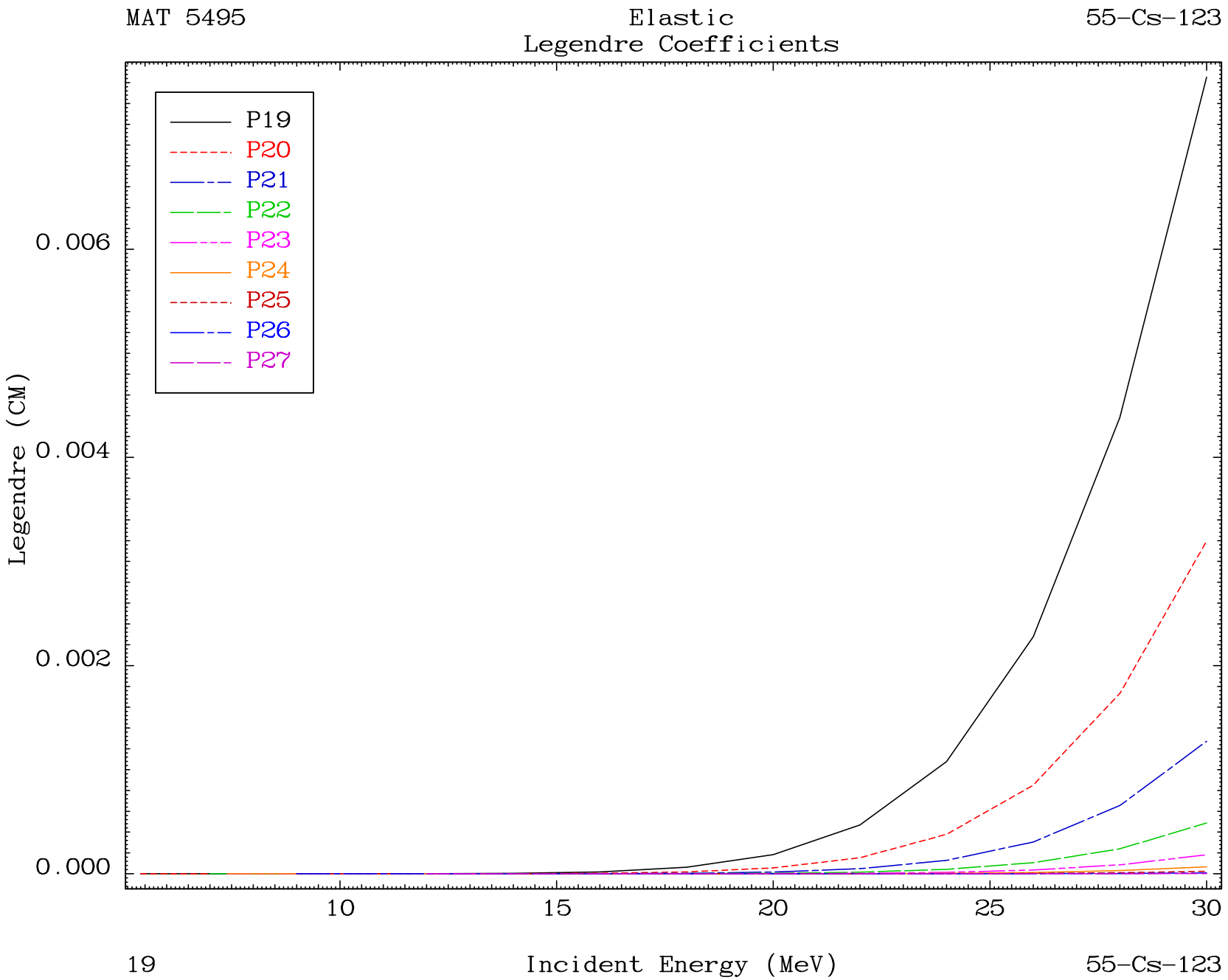

MAT 5495
(n,t) Levels
55-Cs-123
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-123

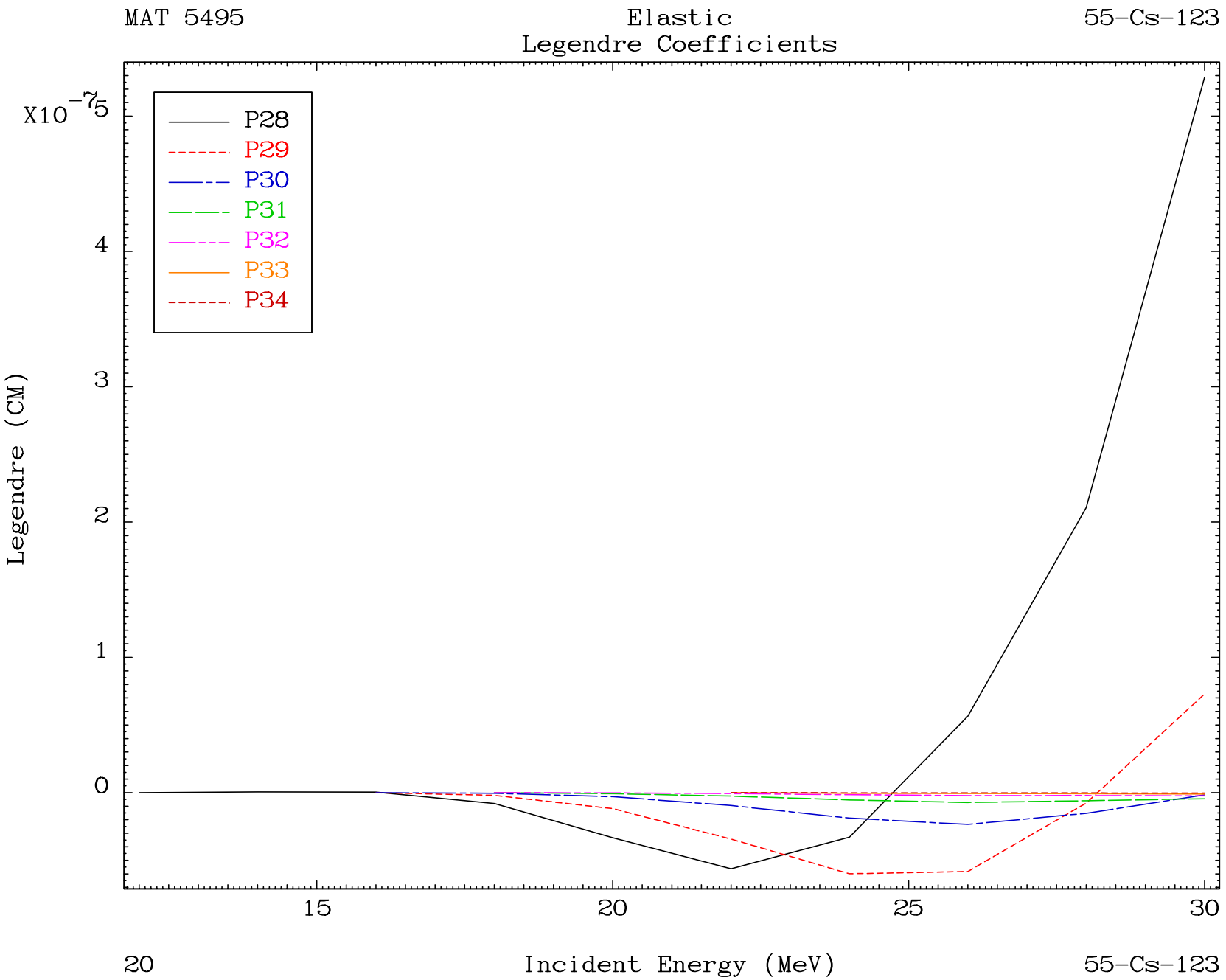

MAT 5495
(n,He3) Levels
55-Cs-123
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
2
4
6
8
101
102
15
Incident Energy (MeV)
55-Cs-123

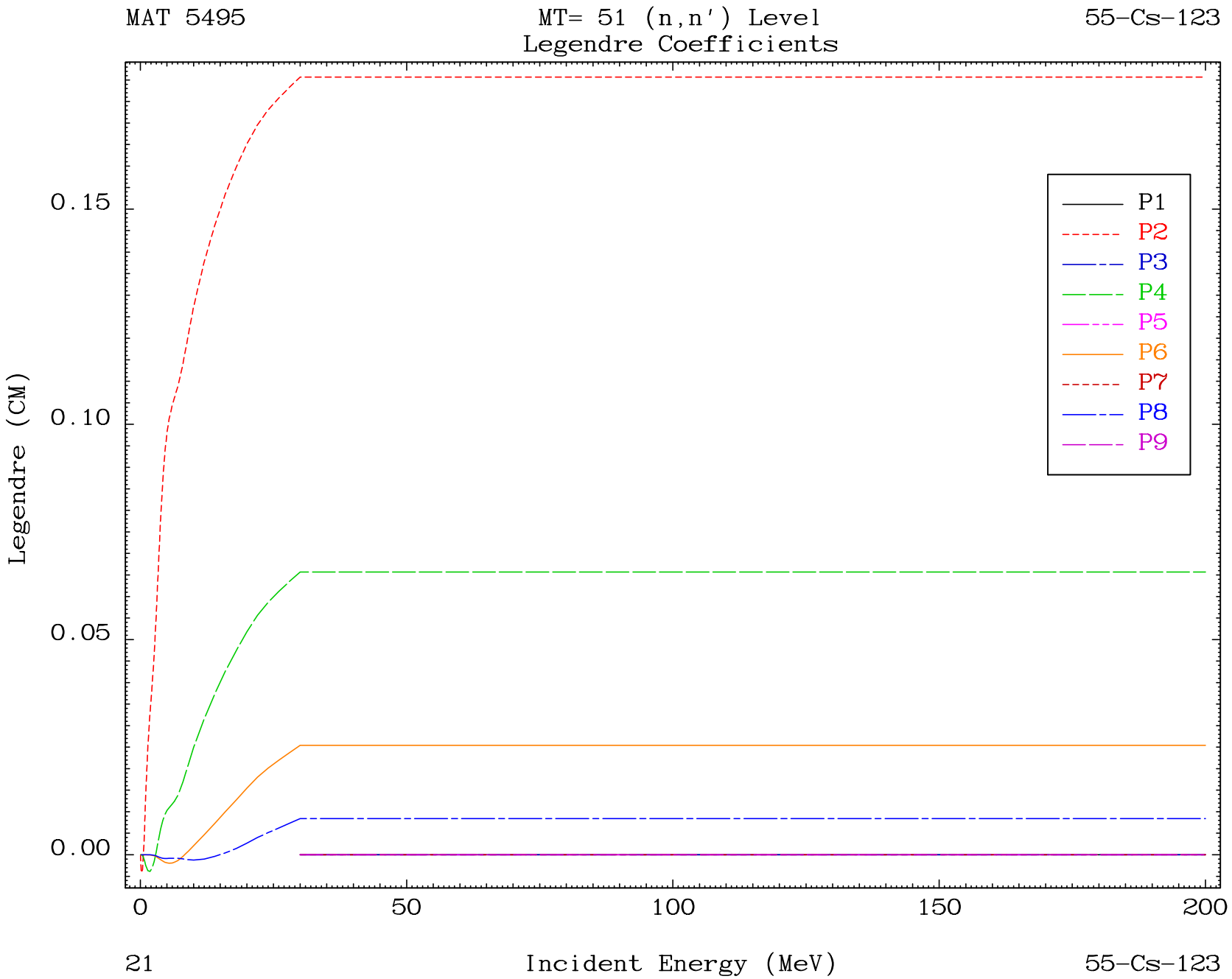

MAT 5495
(n,α) Levels
55-Cs-123
293 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
16
Incident Energy (MeV)
55-Cs-123

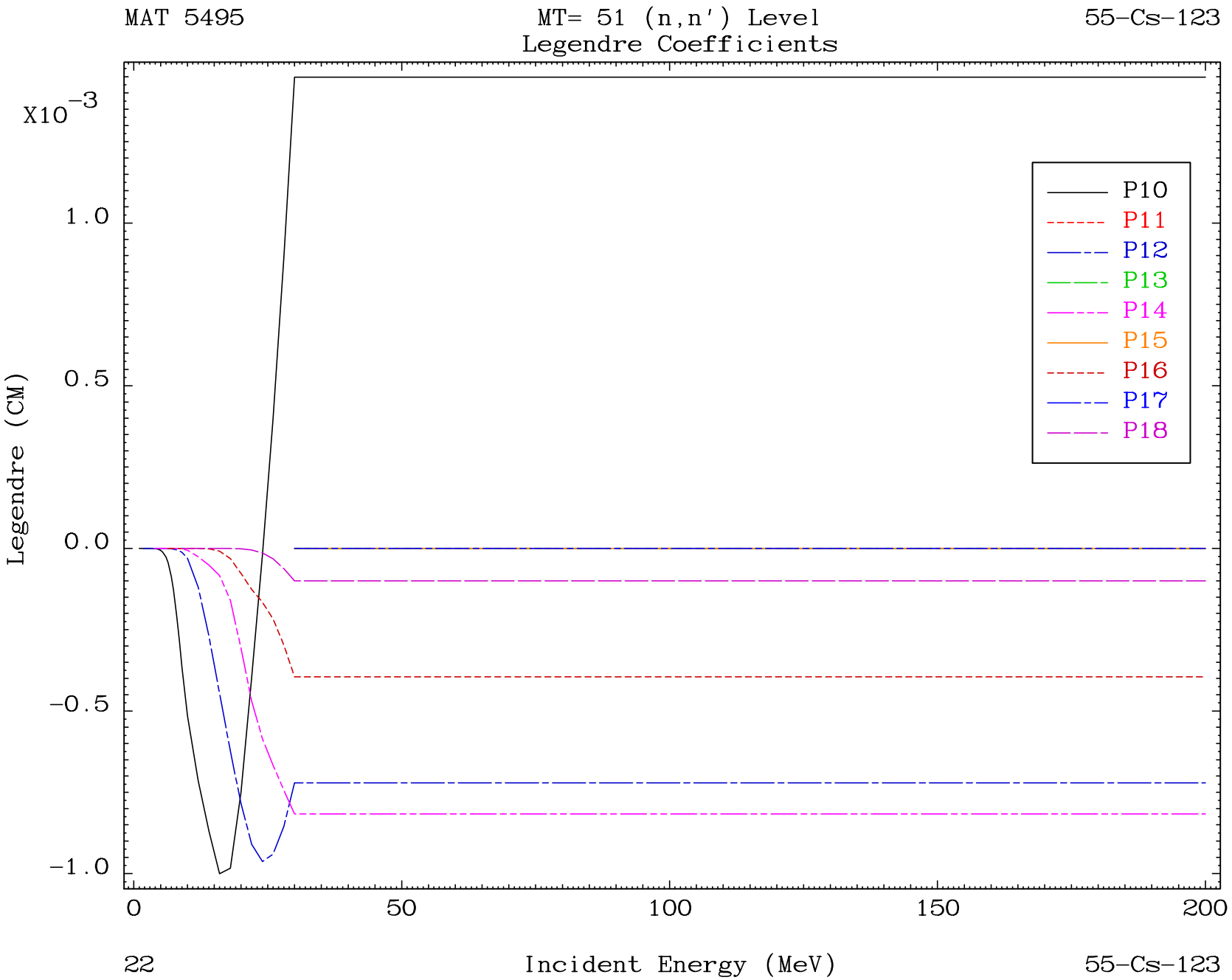

MAT 5495
Elastic
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
17
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

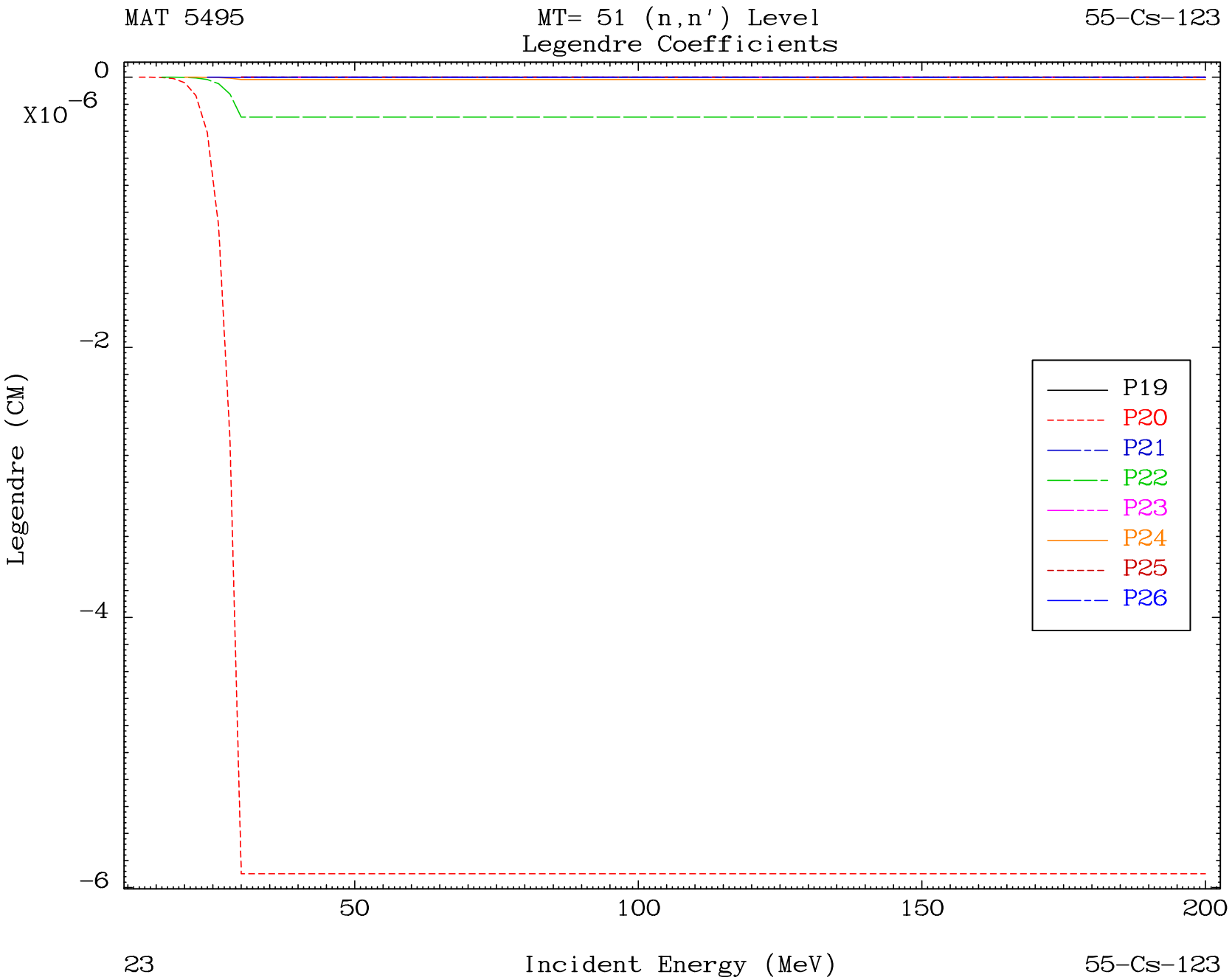

MAT 5495
Elastic
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.3
0.2
0.1
0.0
Legendre (CM)
5
10
15
20
25
30
18
Incident Energy (MeV)
55-Cs-123

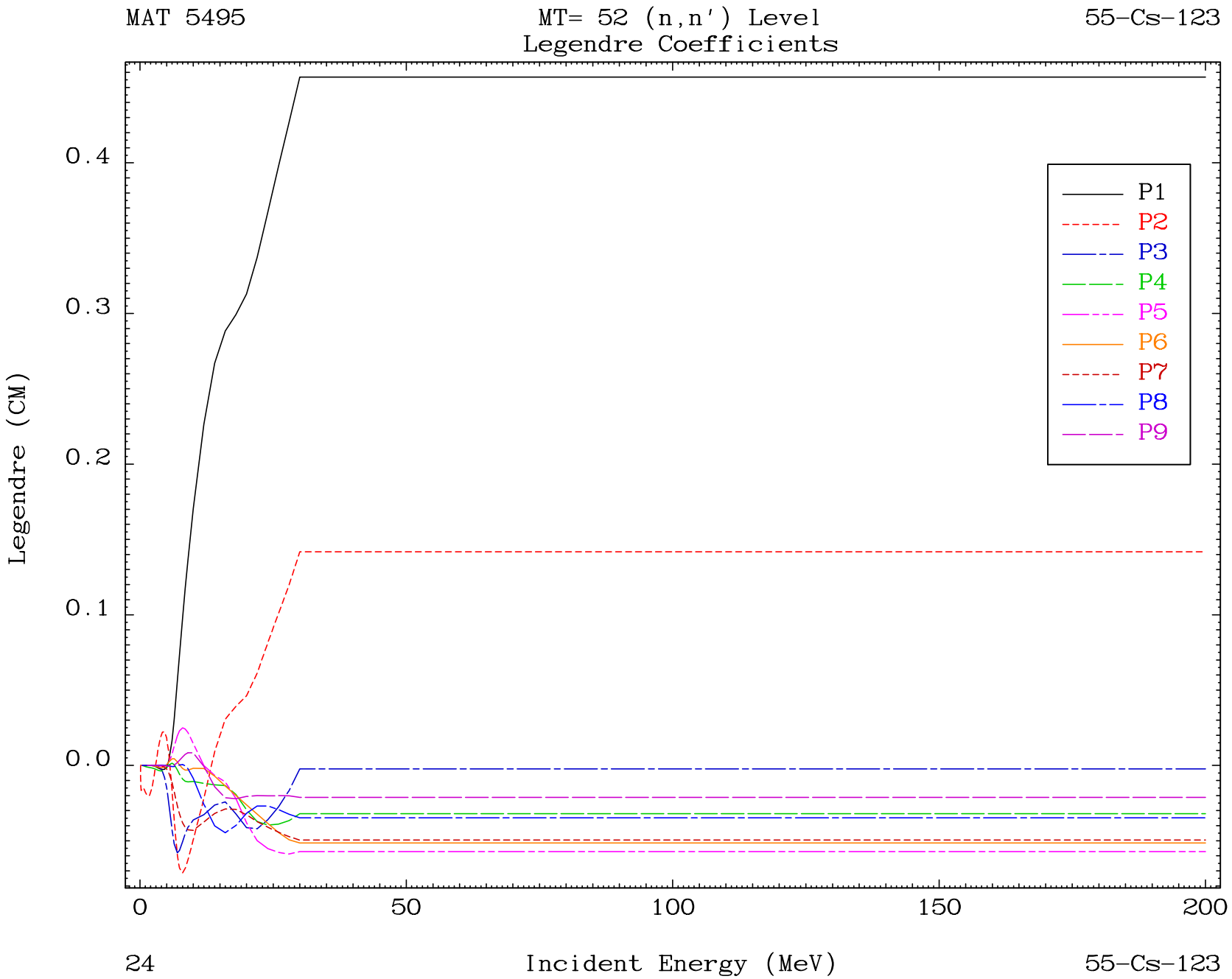

MAT 5495
Elastic
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
19
Incident Energy (MeV)
55-Cs-123

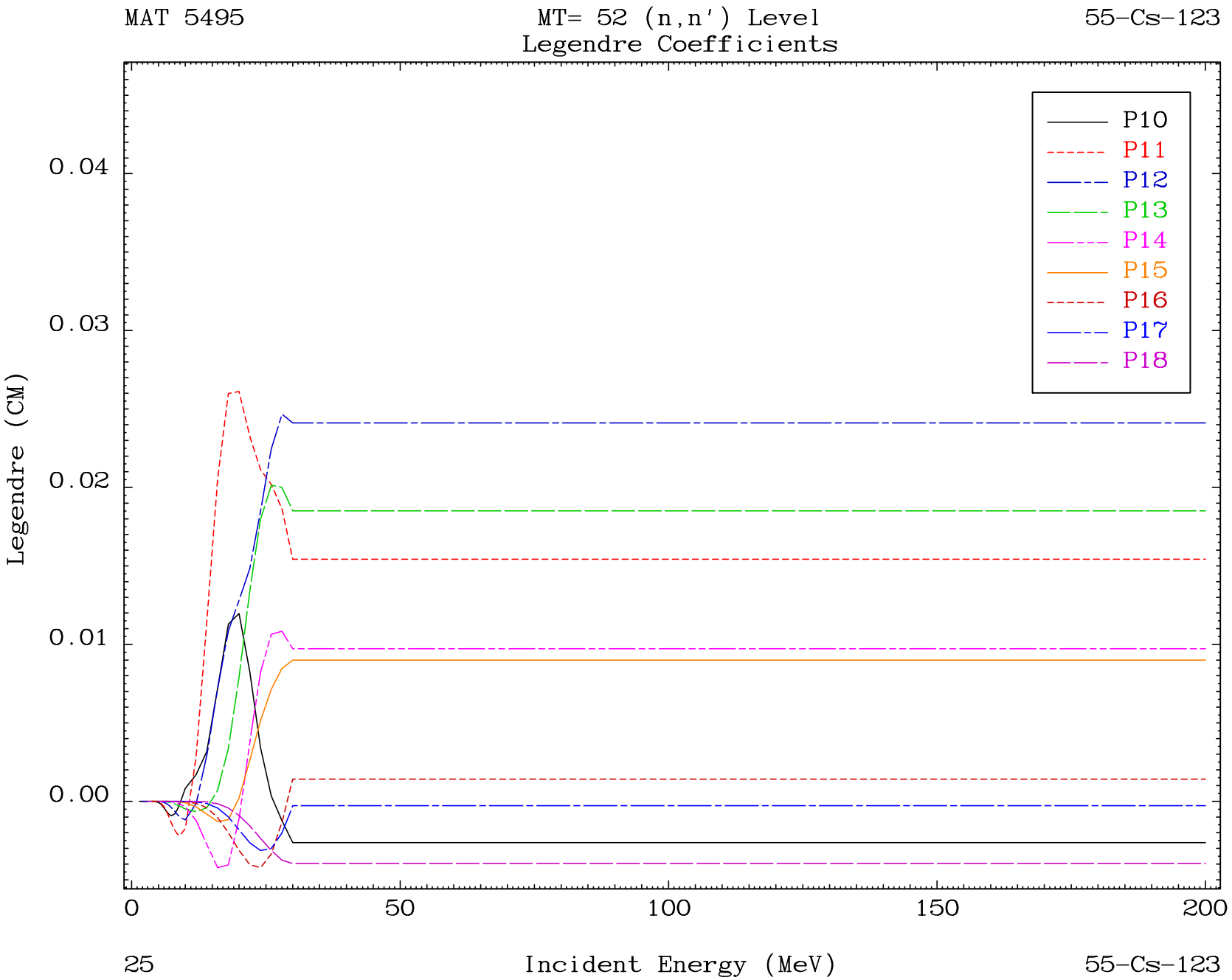

MAT 5495
Elastic
Legendre Coefficients
55-Cs-123
X10^-7
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
20
Incident Energy (MeV)
55-Cs-123

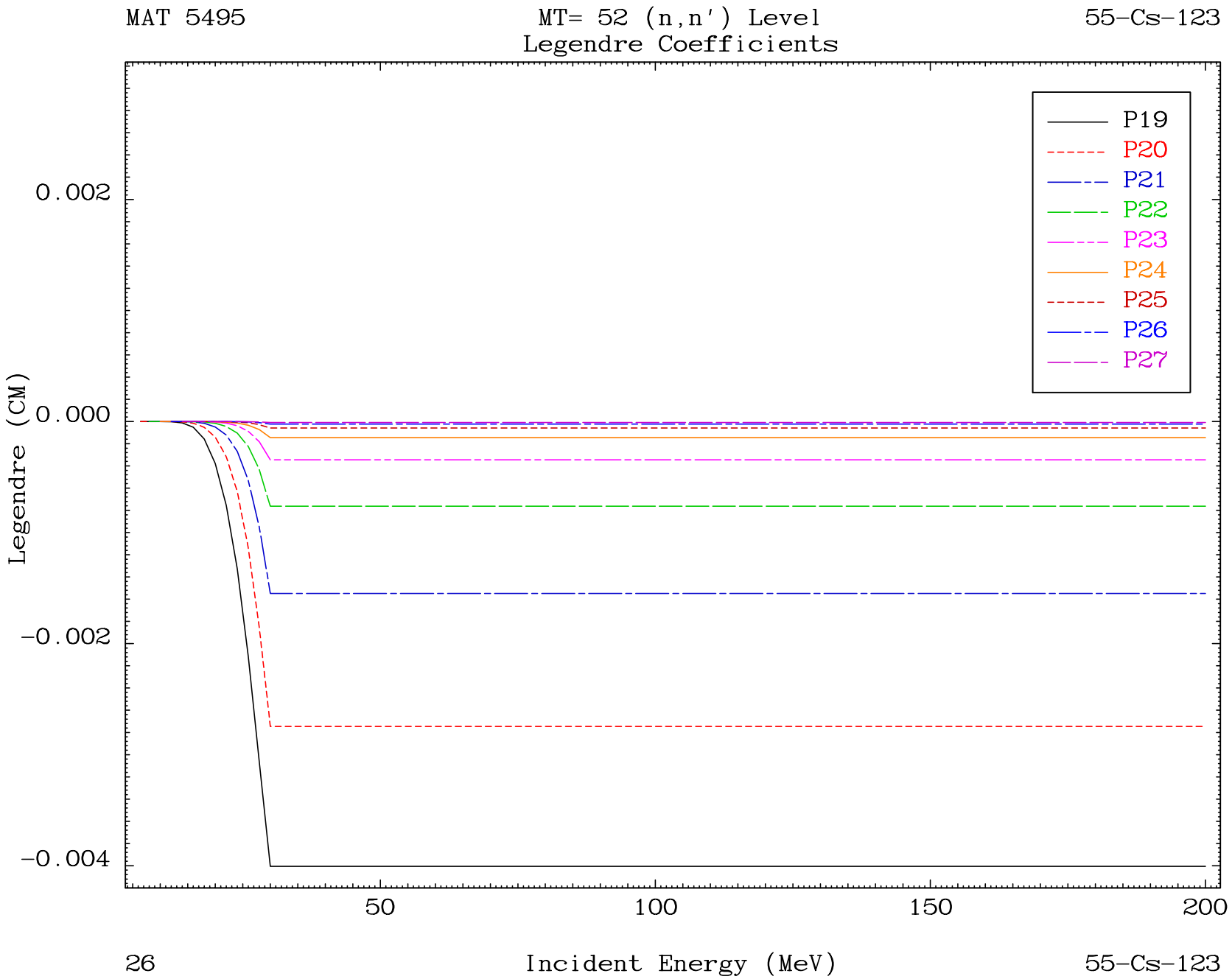

MAT 5495
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
21
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

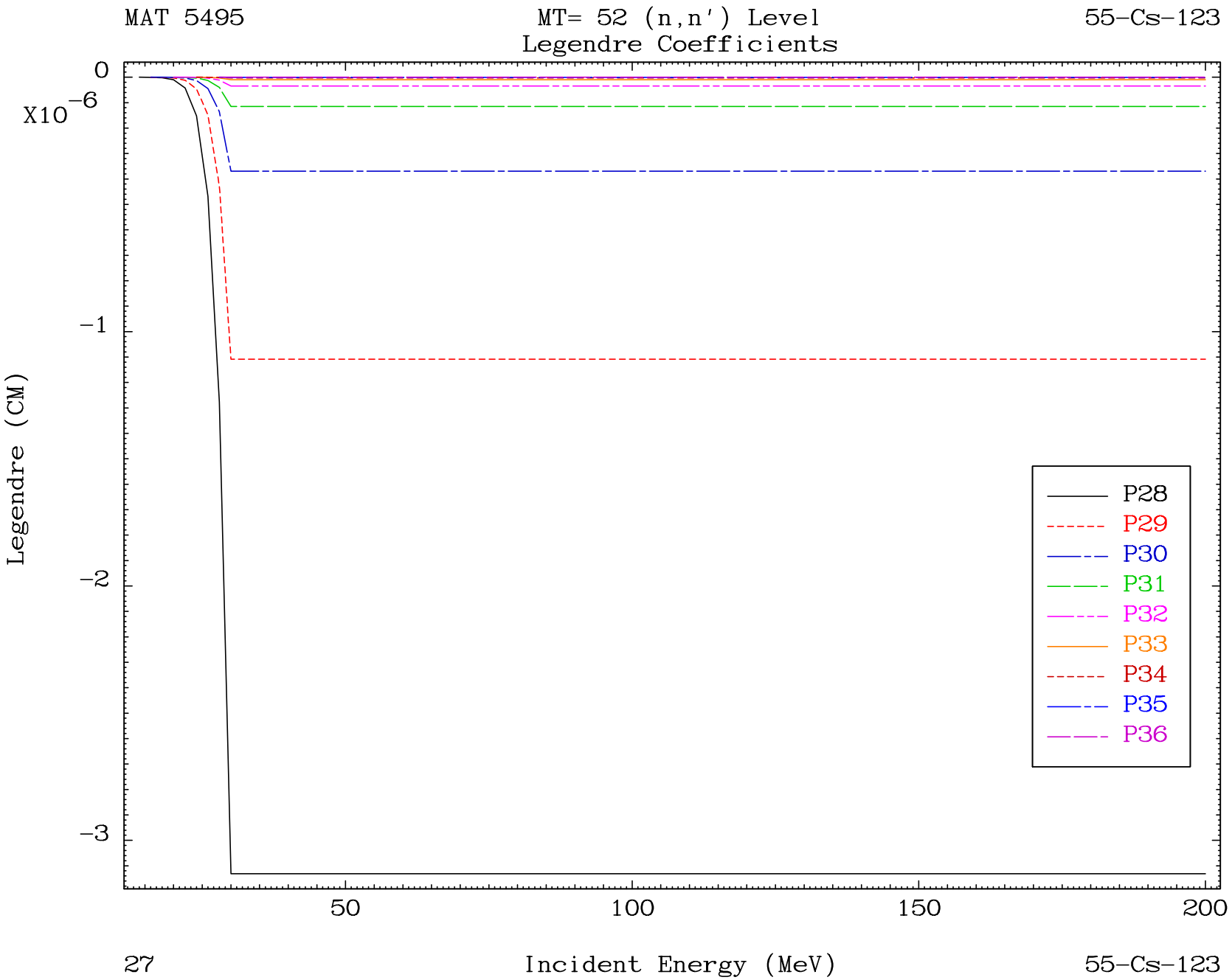

MAT 5495
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-3
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
22
Incident Energy (MeV)
55-Cs-123

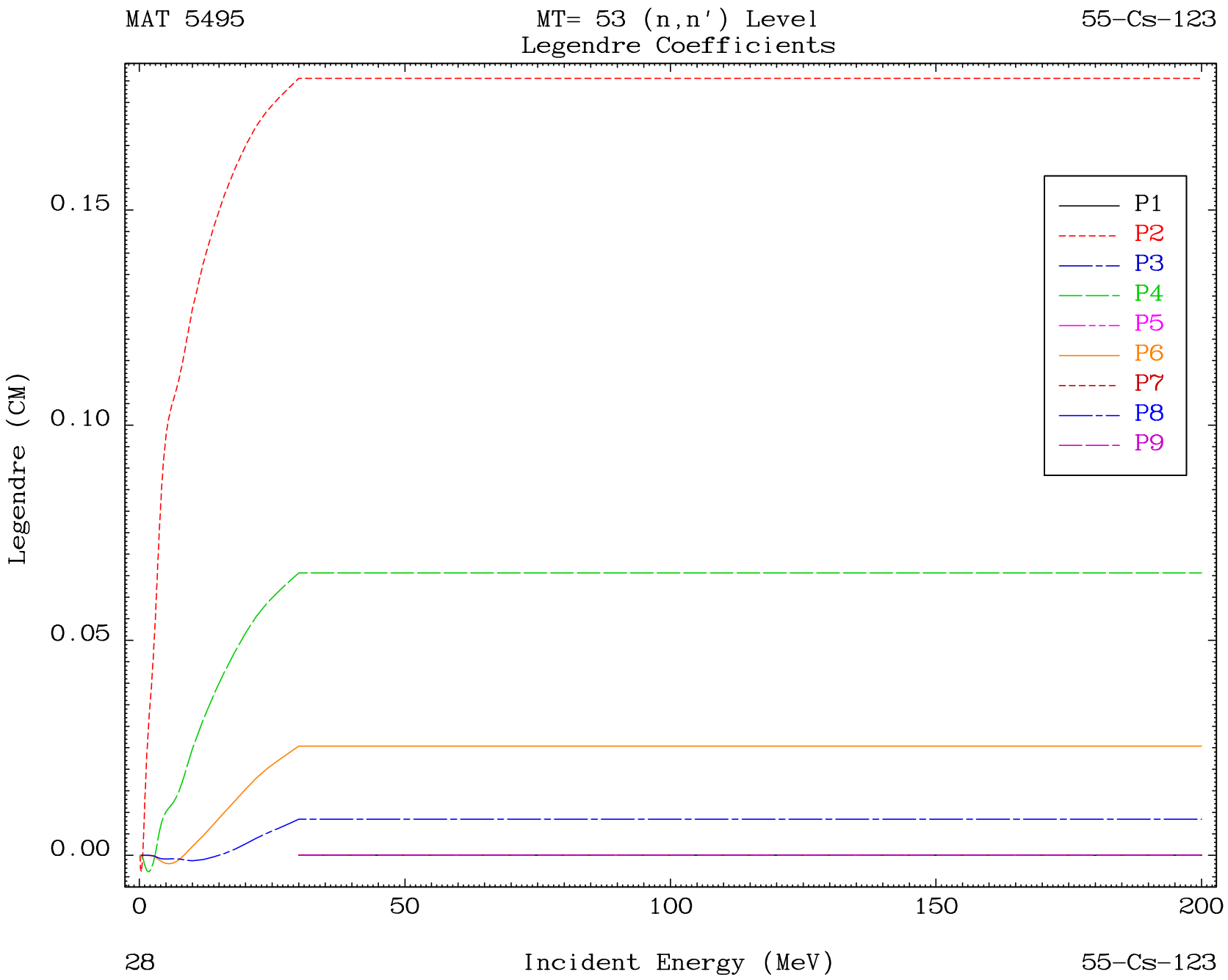

MAT 5495
MT= 51 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10^-6
-2
-4
-6
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
23
Incident Energy (MeV)
55-Cs-123

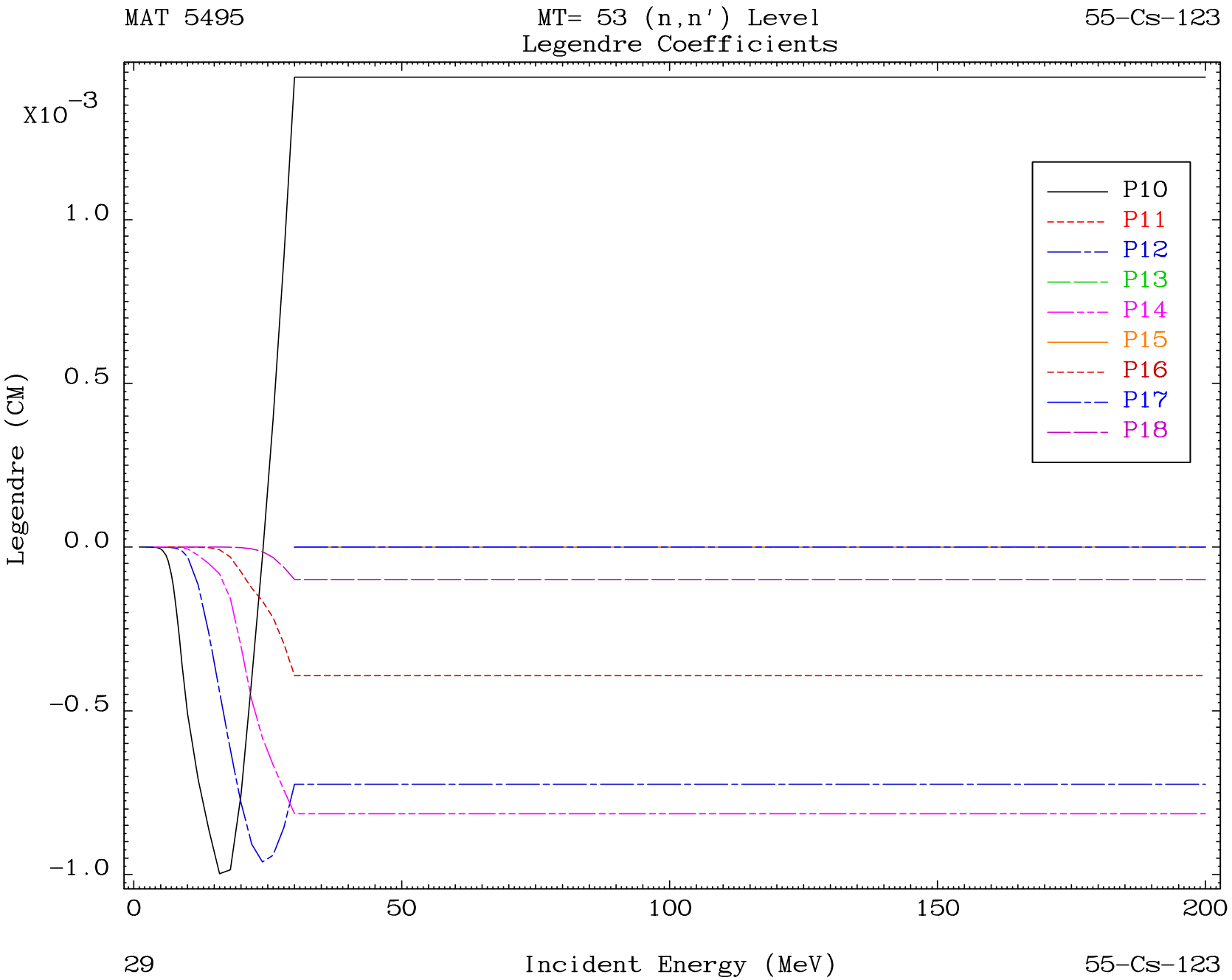

MAT 5495
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
24
Incident Energy (MeV)
55-Cs-123

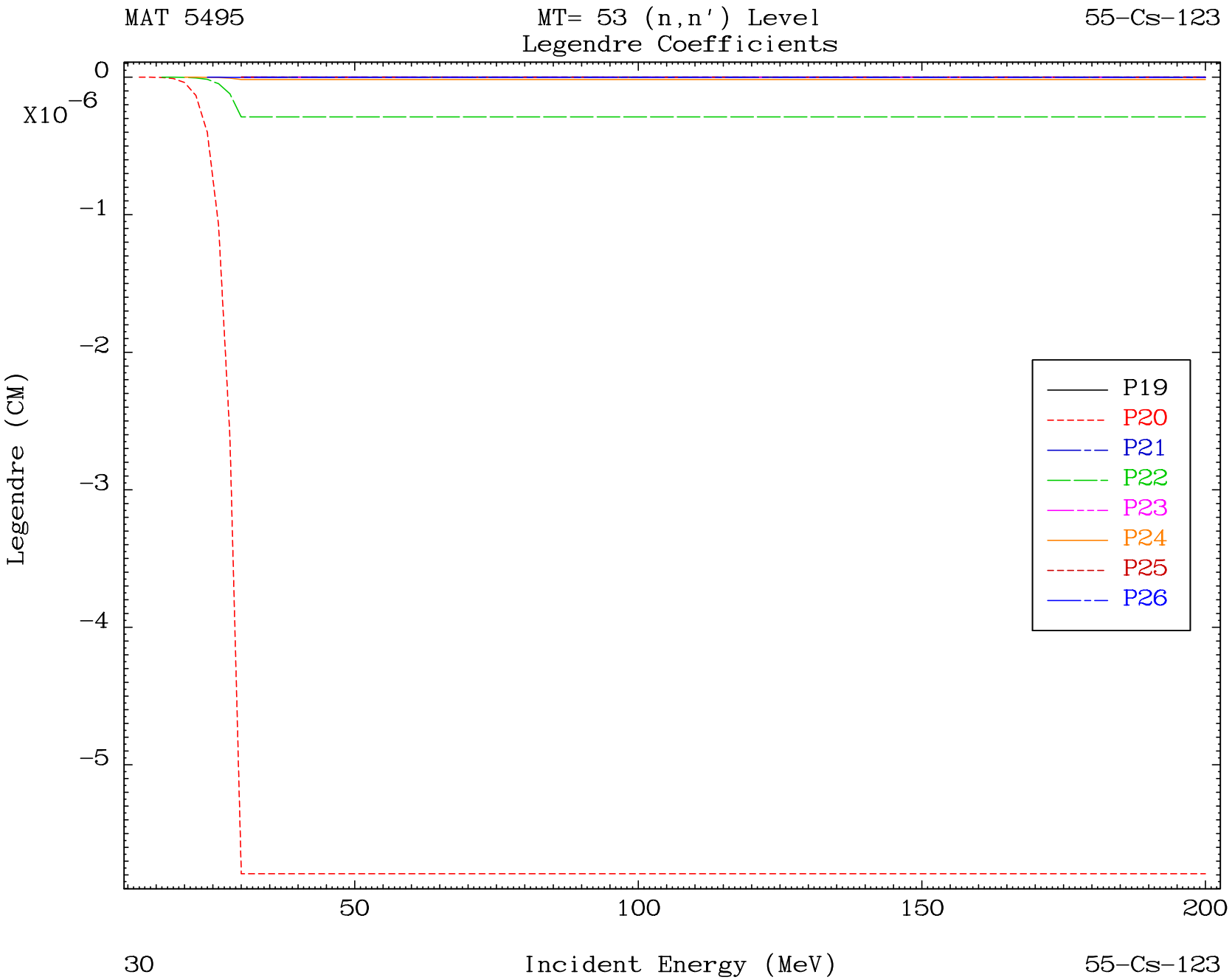

MAT 5495
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
55-Cs-123

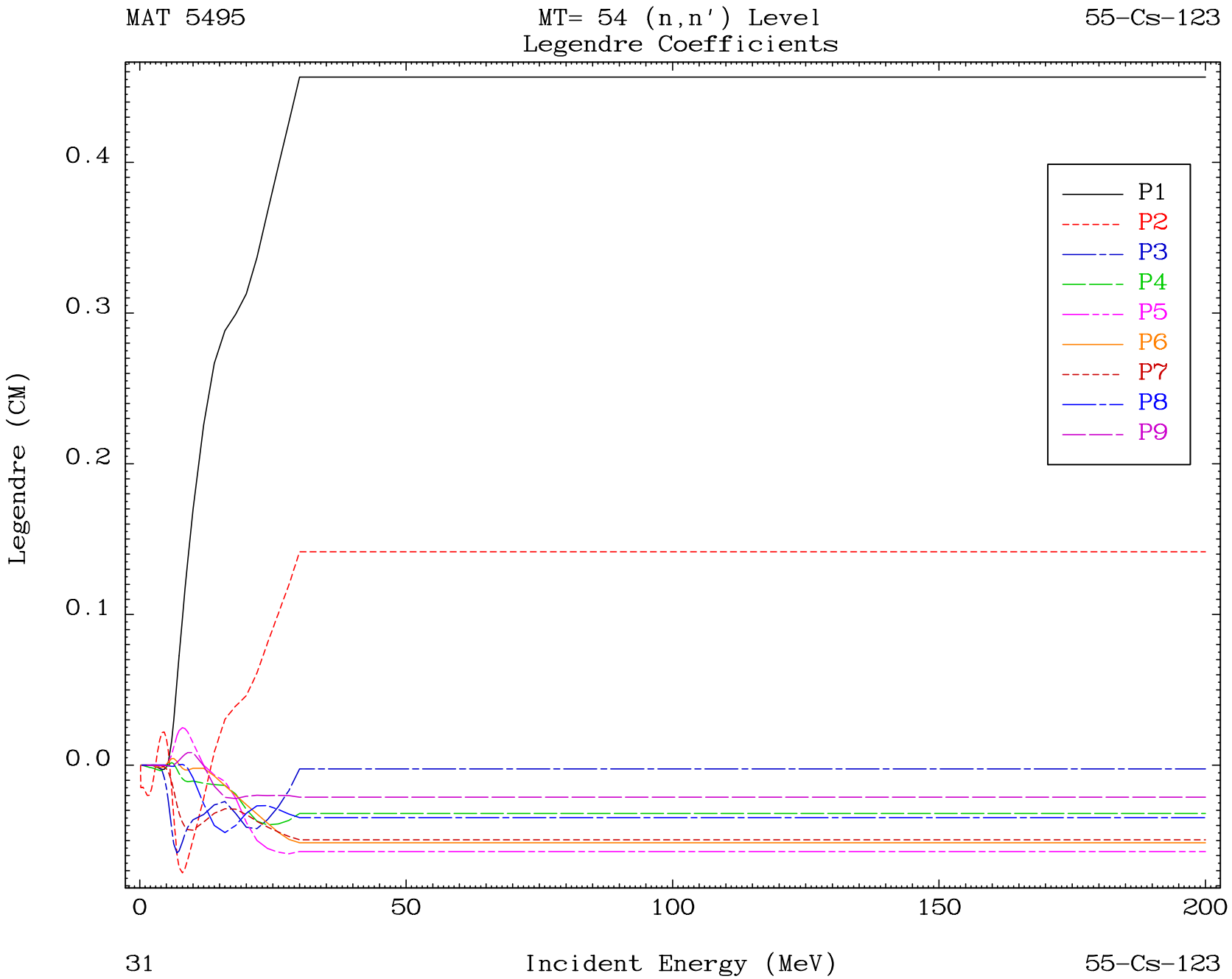

MAT 5495
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
55-Cs-123

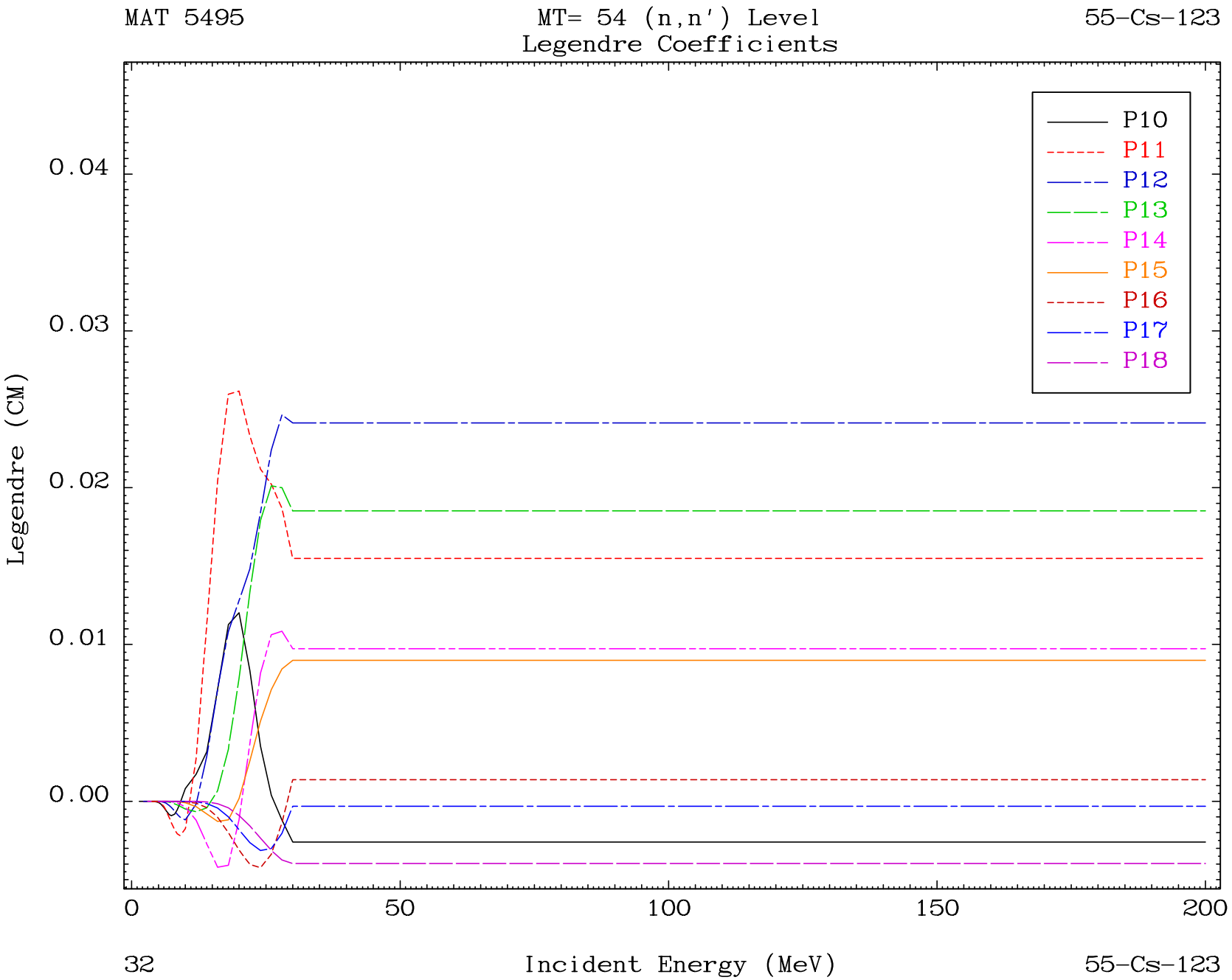

MAT 5495
MT= 52 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

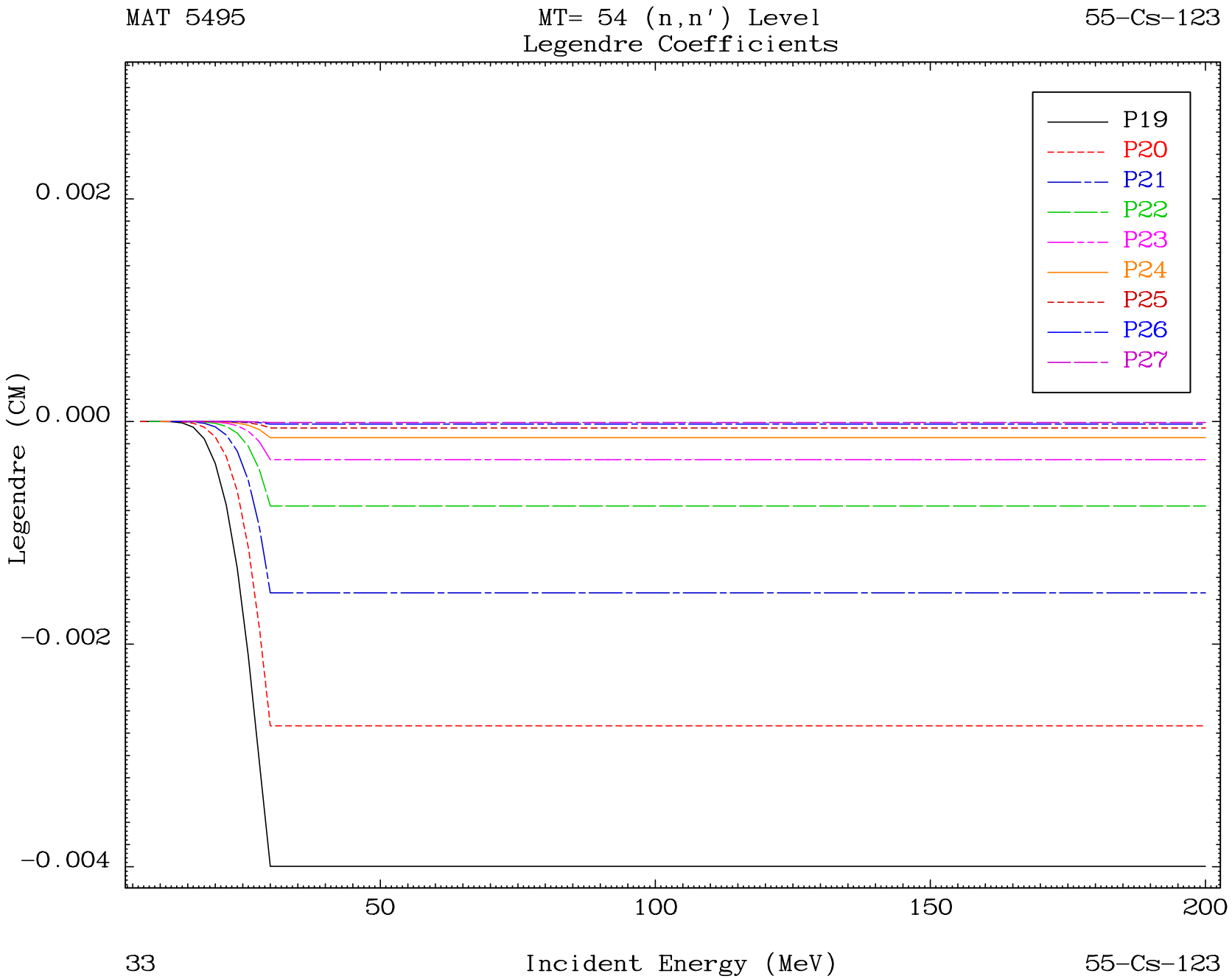

MAT 5495
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
28
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

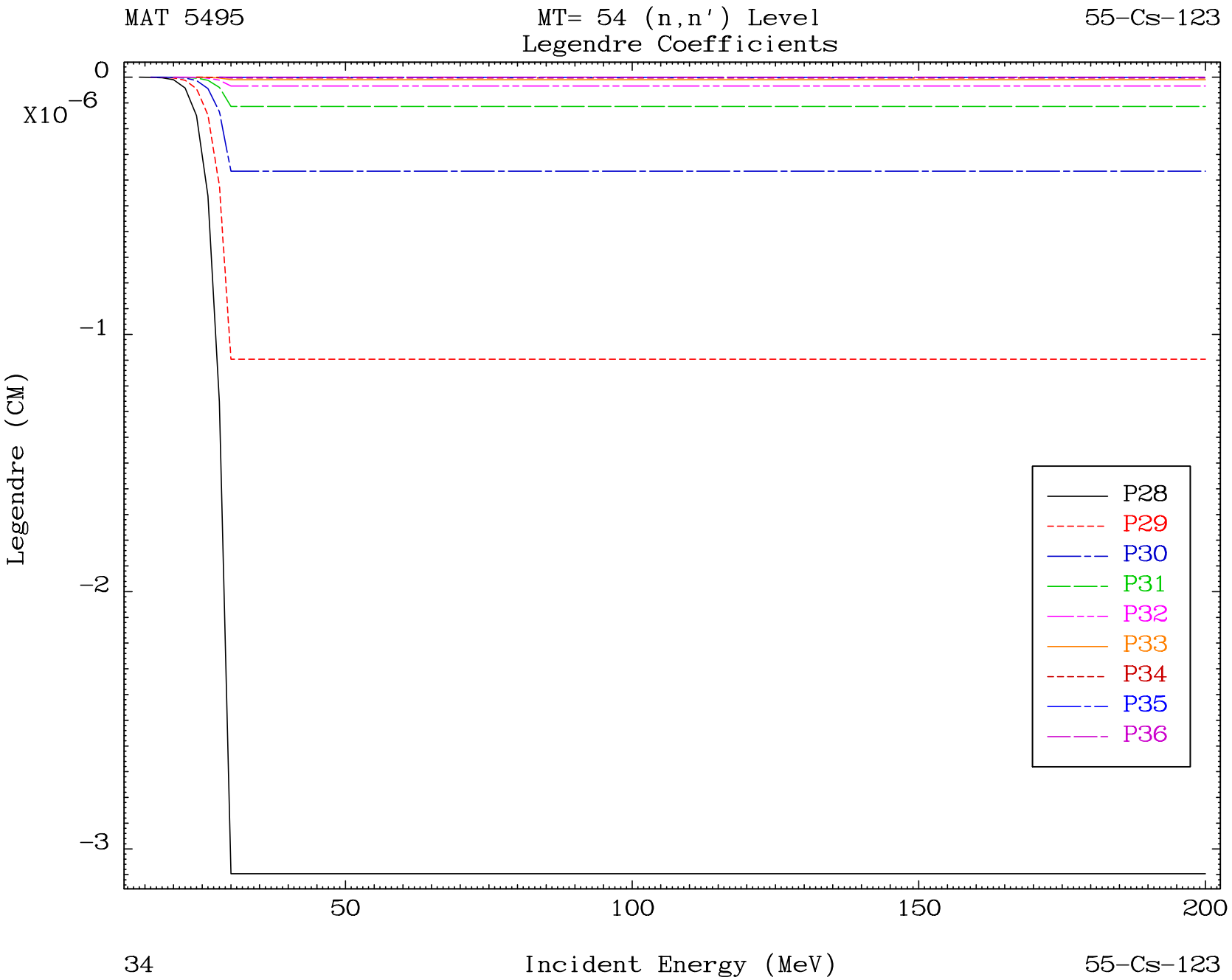

MAT 5495
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-3
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
29
Incident Energy (MeV)
55-Cs-123

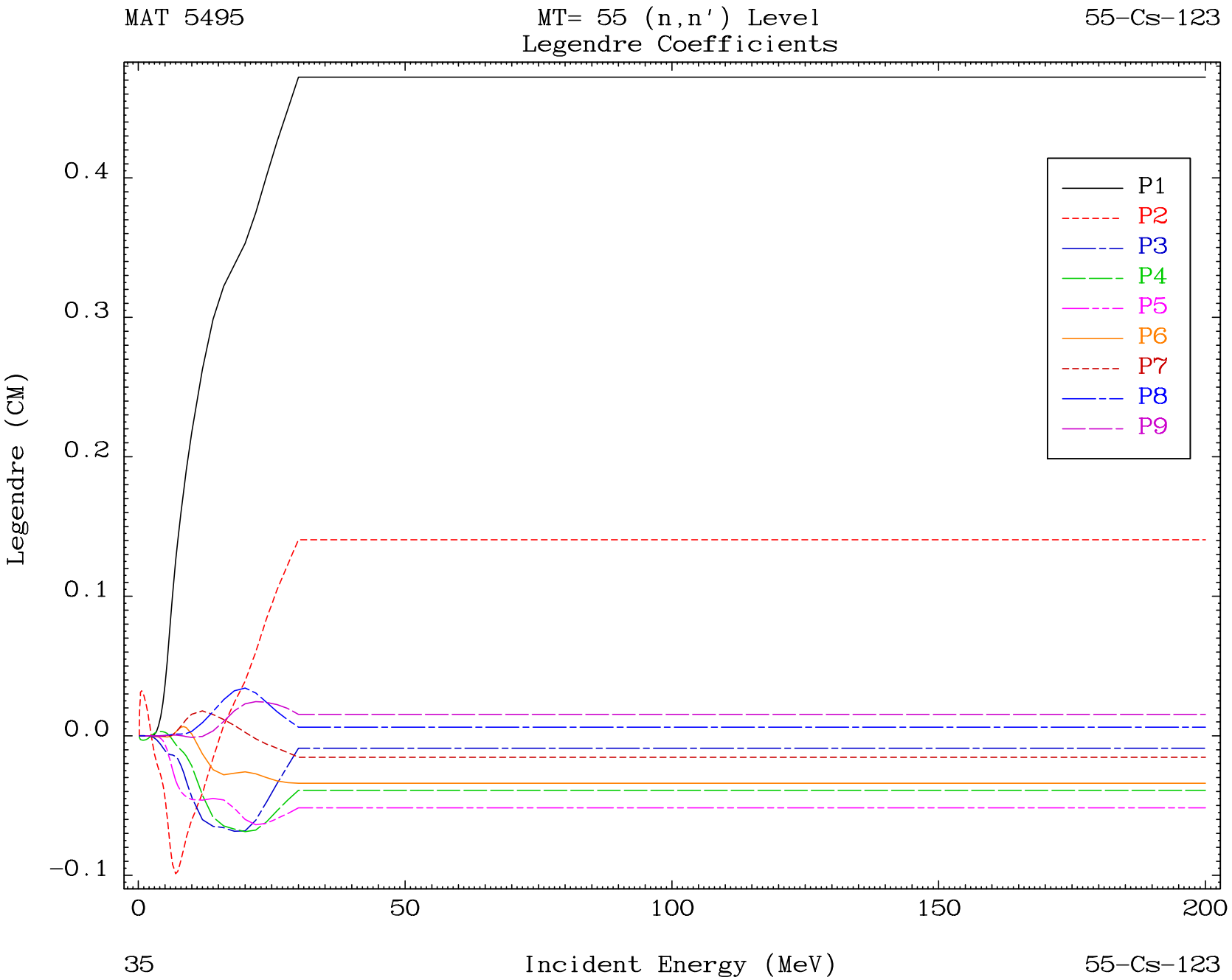

MAT 5495
MT= 53 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−1
−2
−3
−4
−5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
30
Incident Energy (MeV)
55-Cs-123

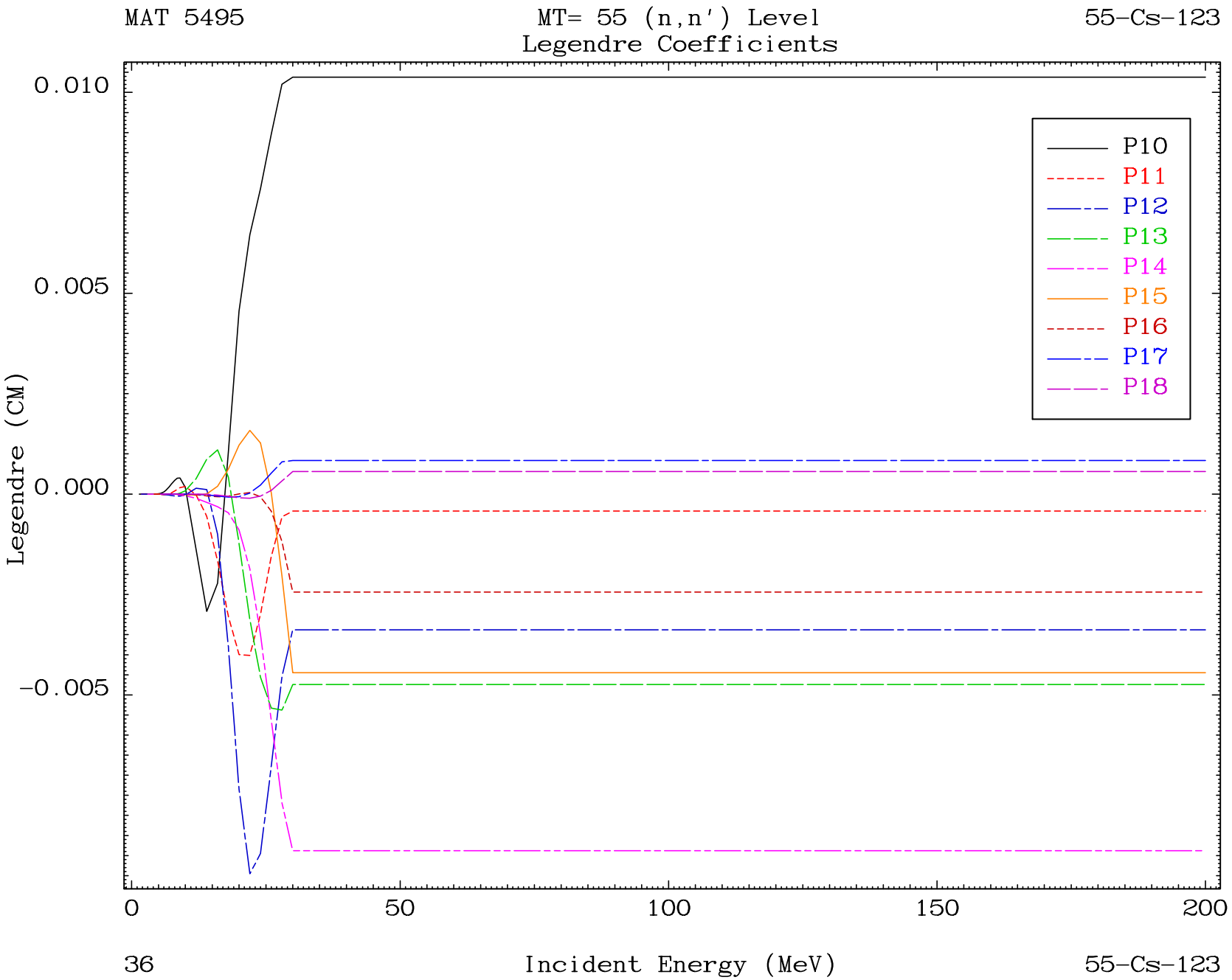

MAT 5495
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
31
Incident Energy (MeV)
55-Cs-123

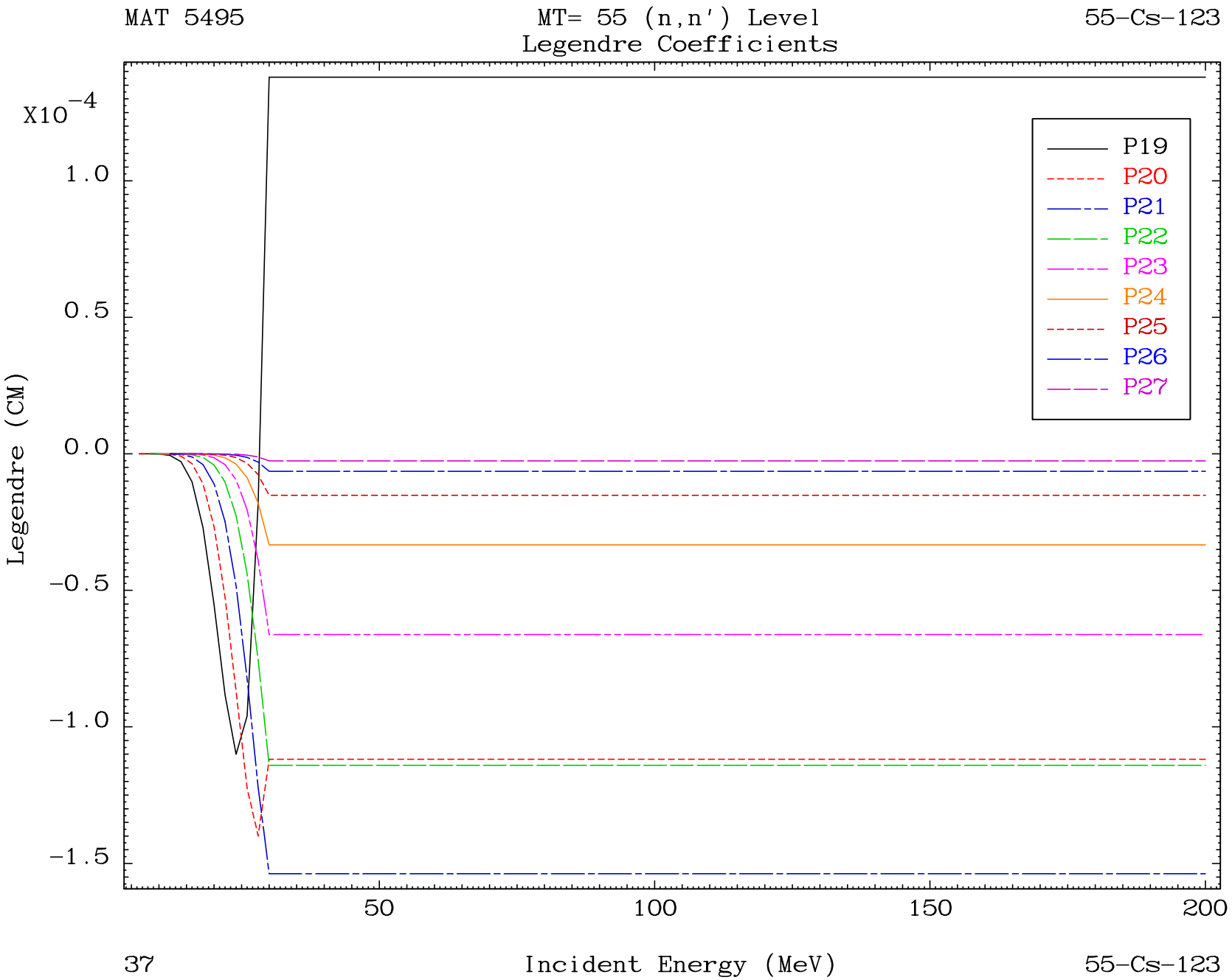

MAT 5495
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
32
Incident Energy (MeV)
55-Cs-123

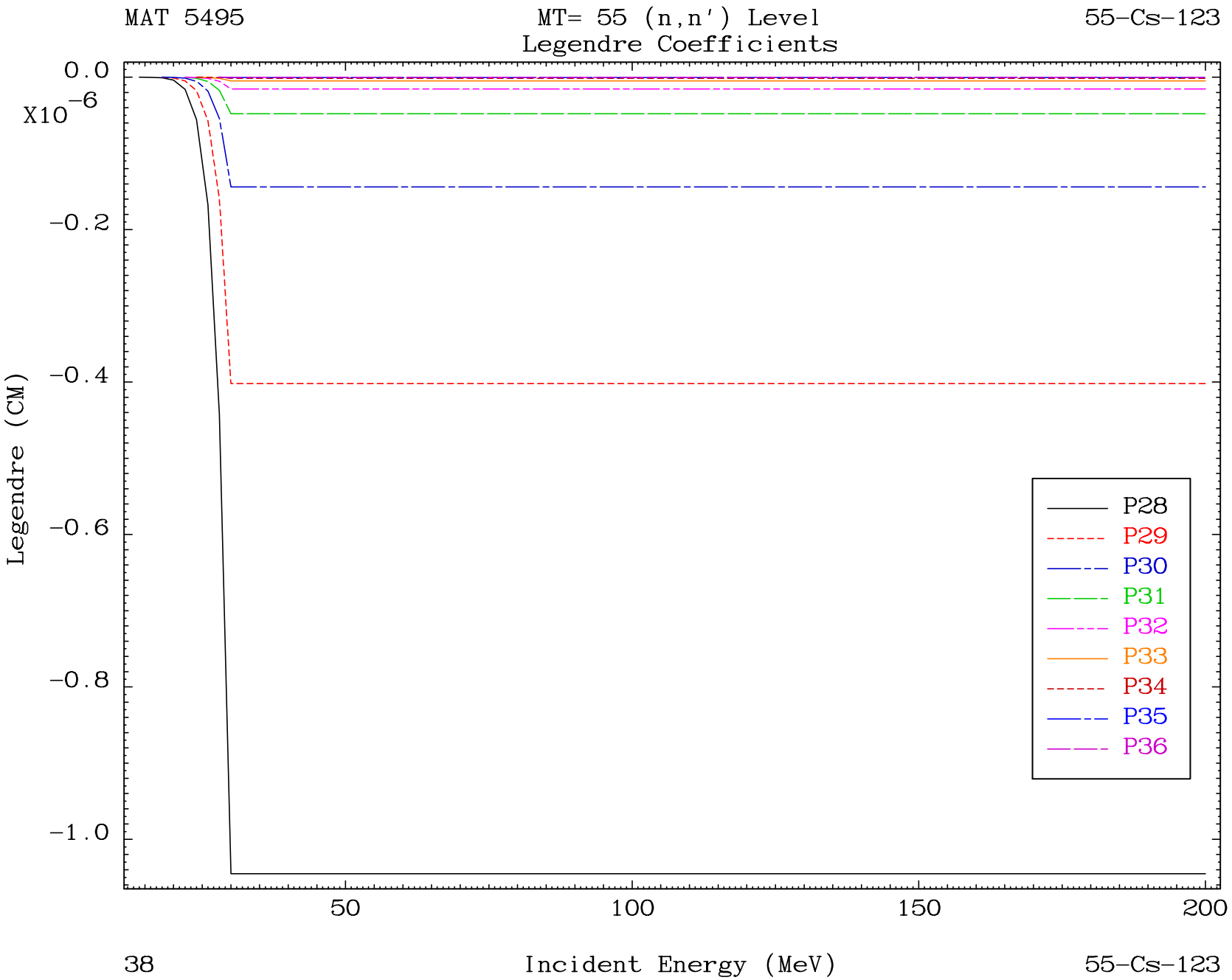

MAT 5495
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
55-Cs-123

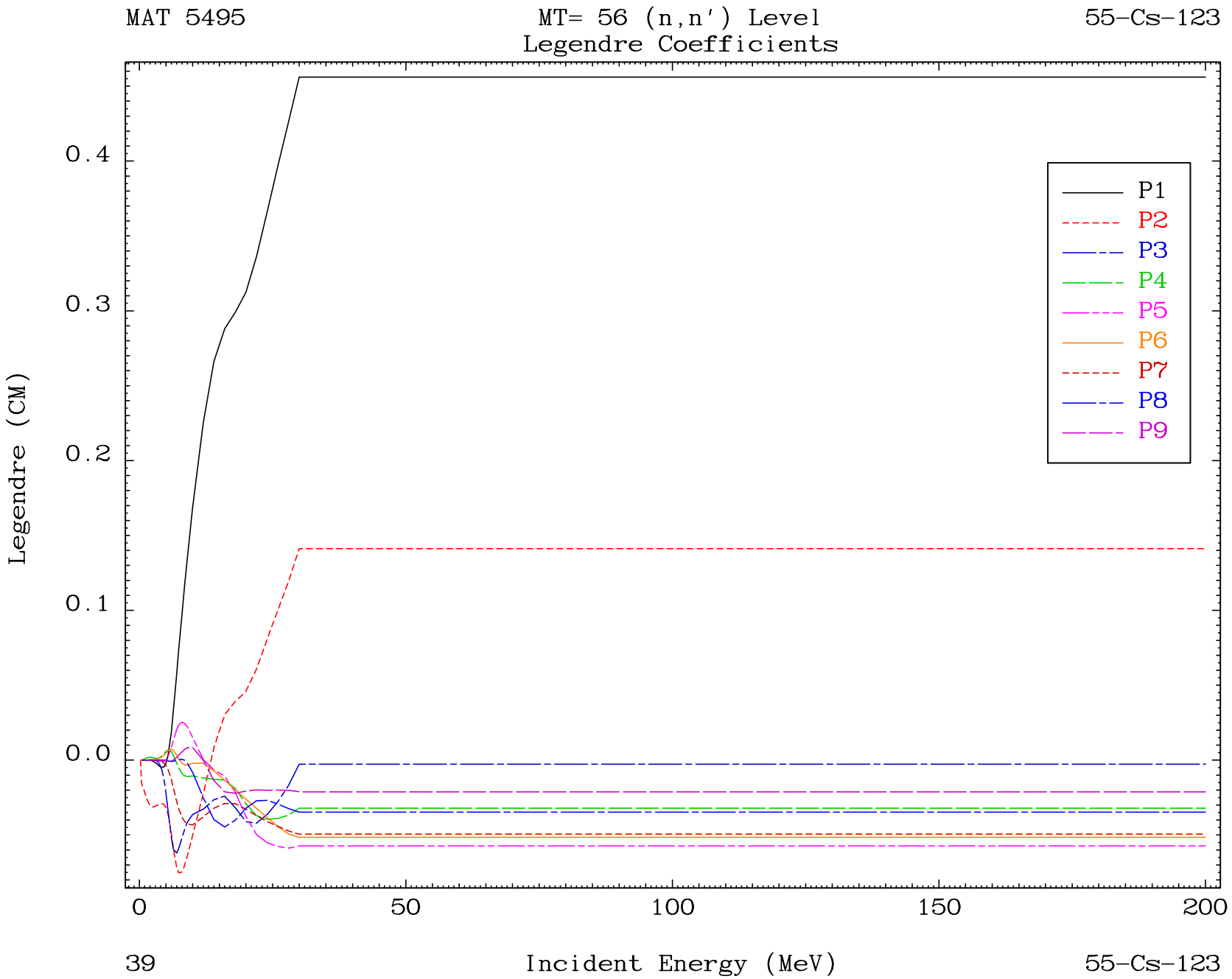

MAT 5495
MT= 54 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−1
−2
−3
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

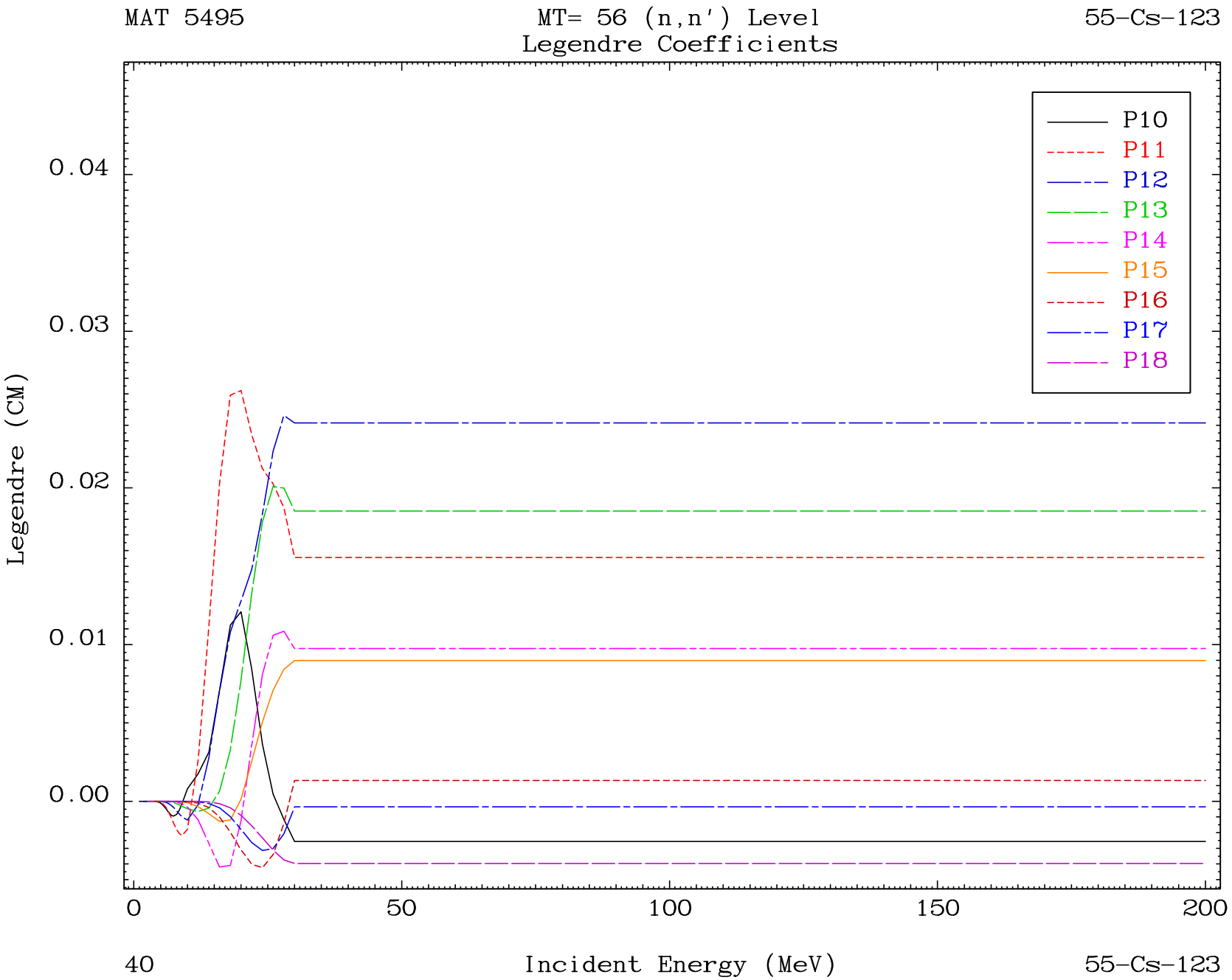

MAT 5495
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
35
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

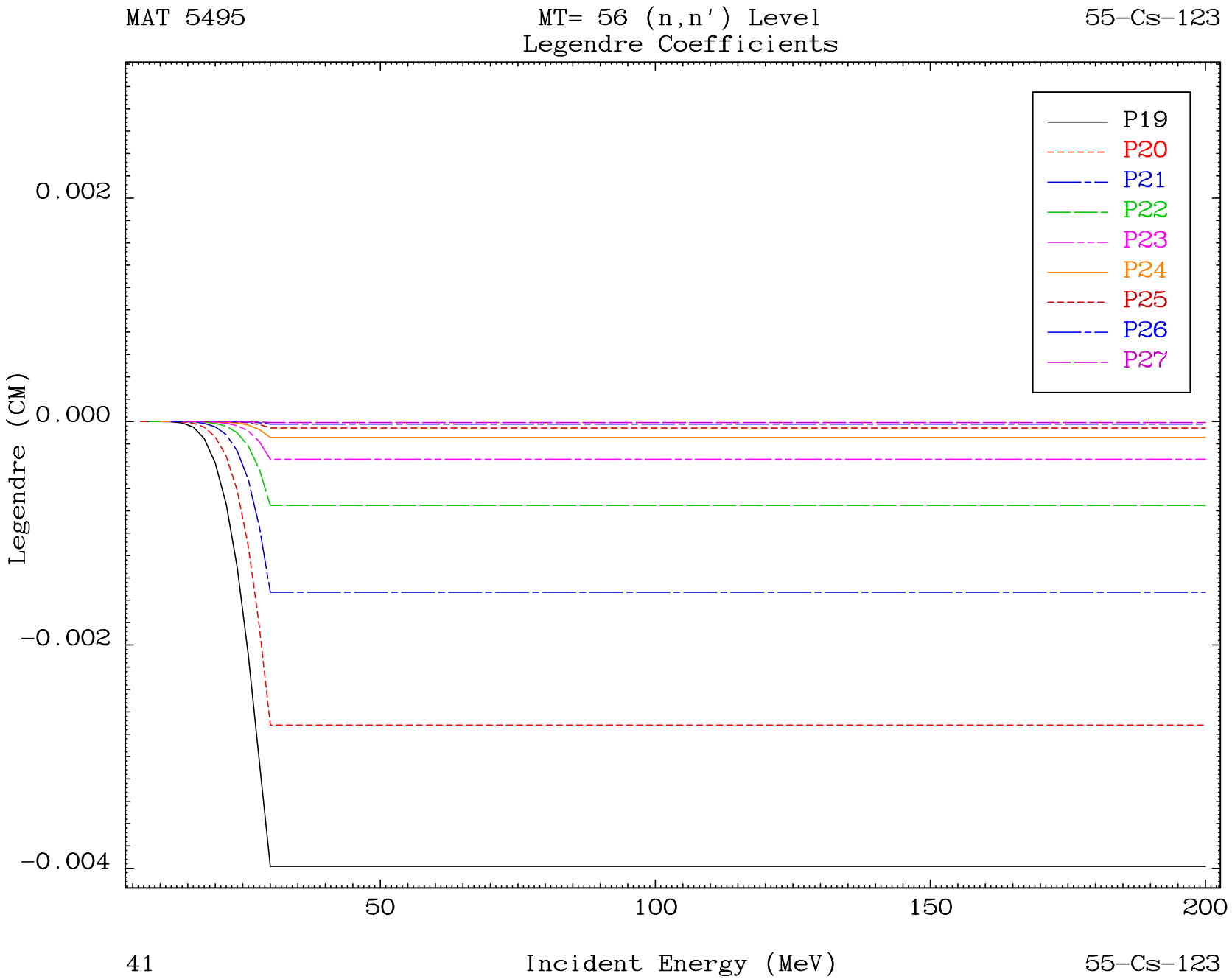

MAT 5495
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-123
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
36
Incident Energy (MeV)
55-Cs-123

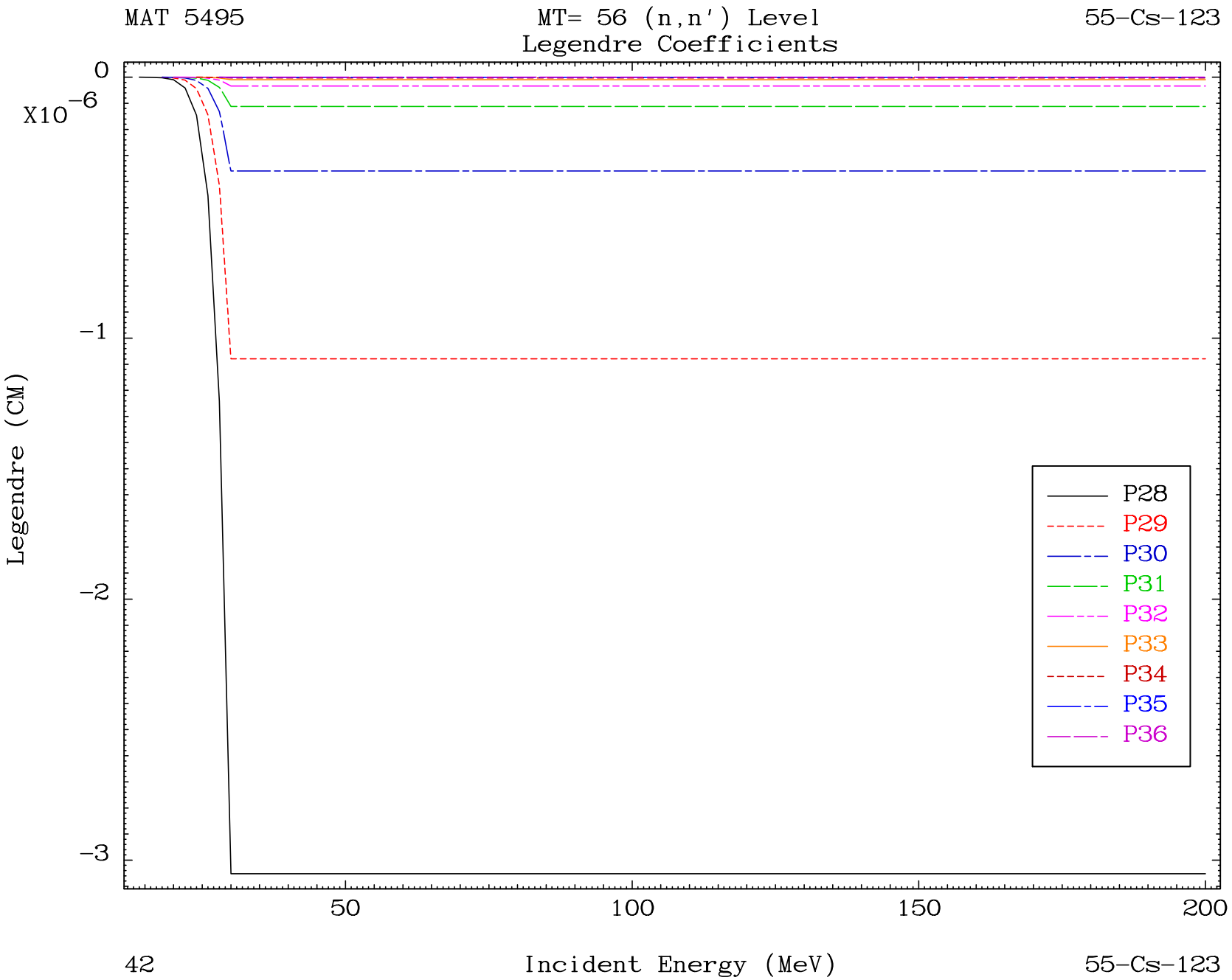

MAT 5495
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
37
Incident Energy (MeV)
55-Cs-123

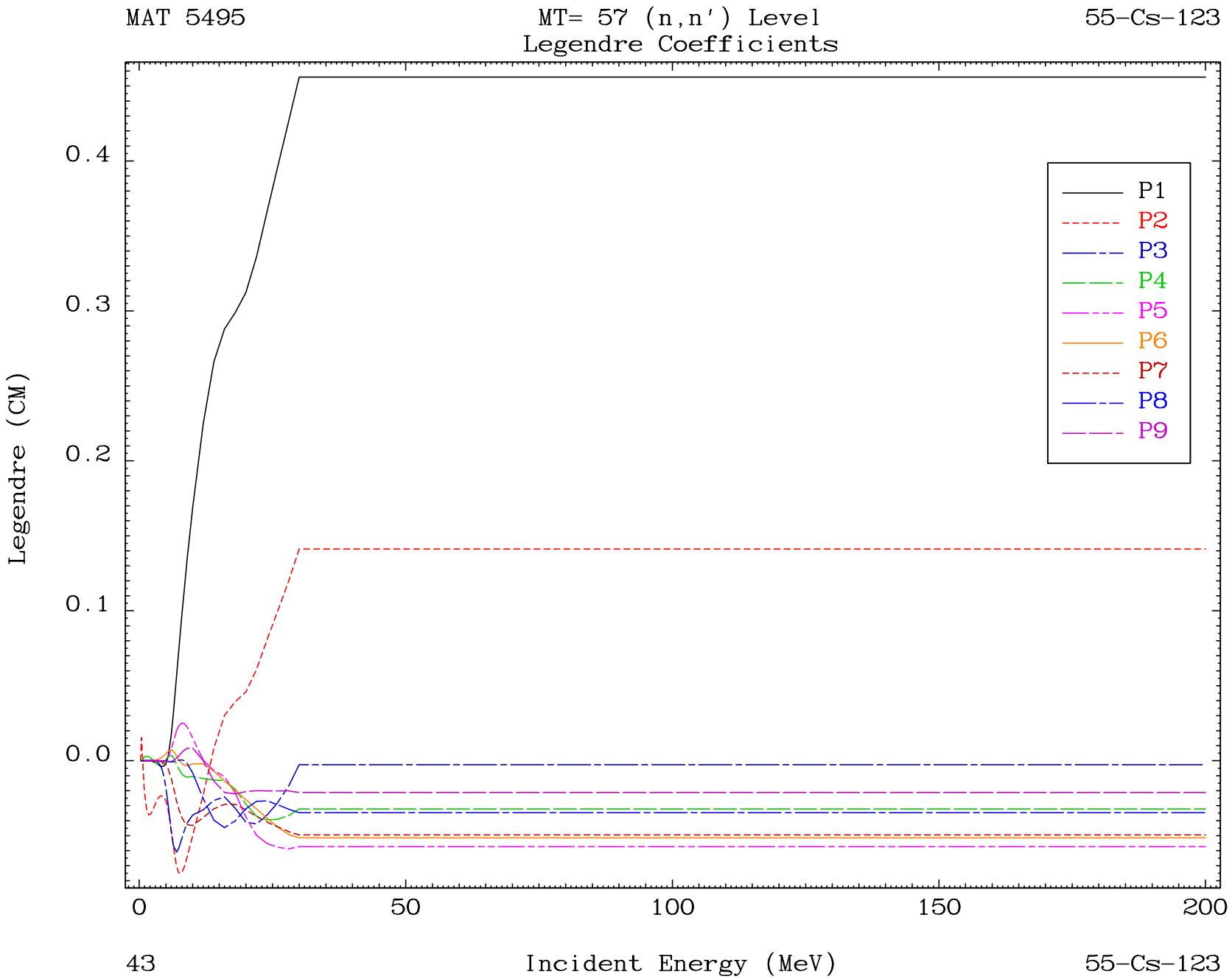

MAT 5495
MT= 55 (n,n') Level
Legendre Coefficients
55-Cs-123
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

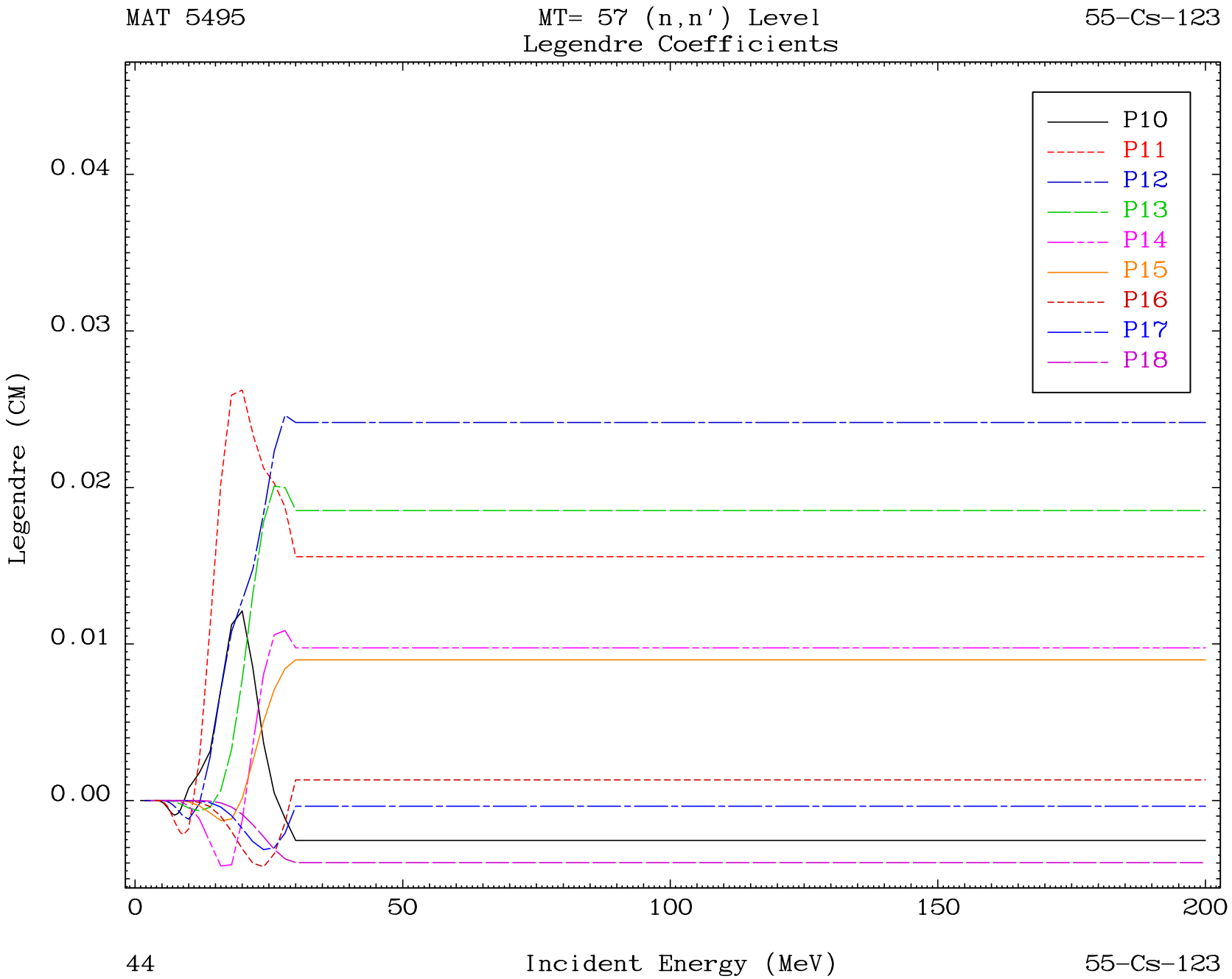

MAT 5495
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
39
Incident Energy (MeV)
55-Cs-123

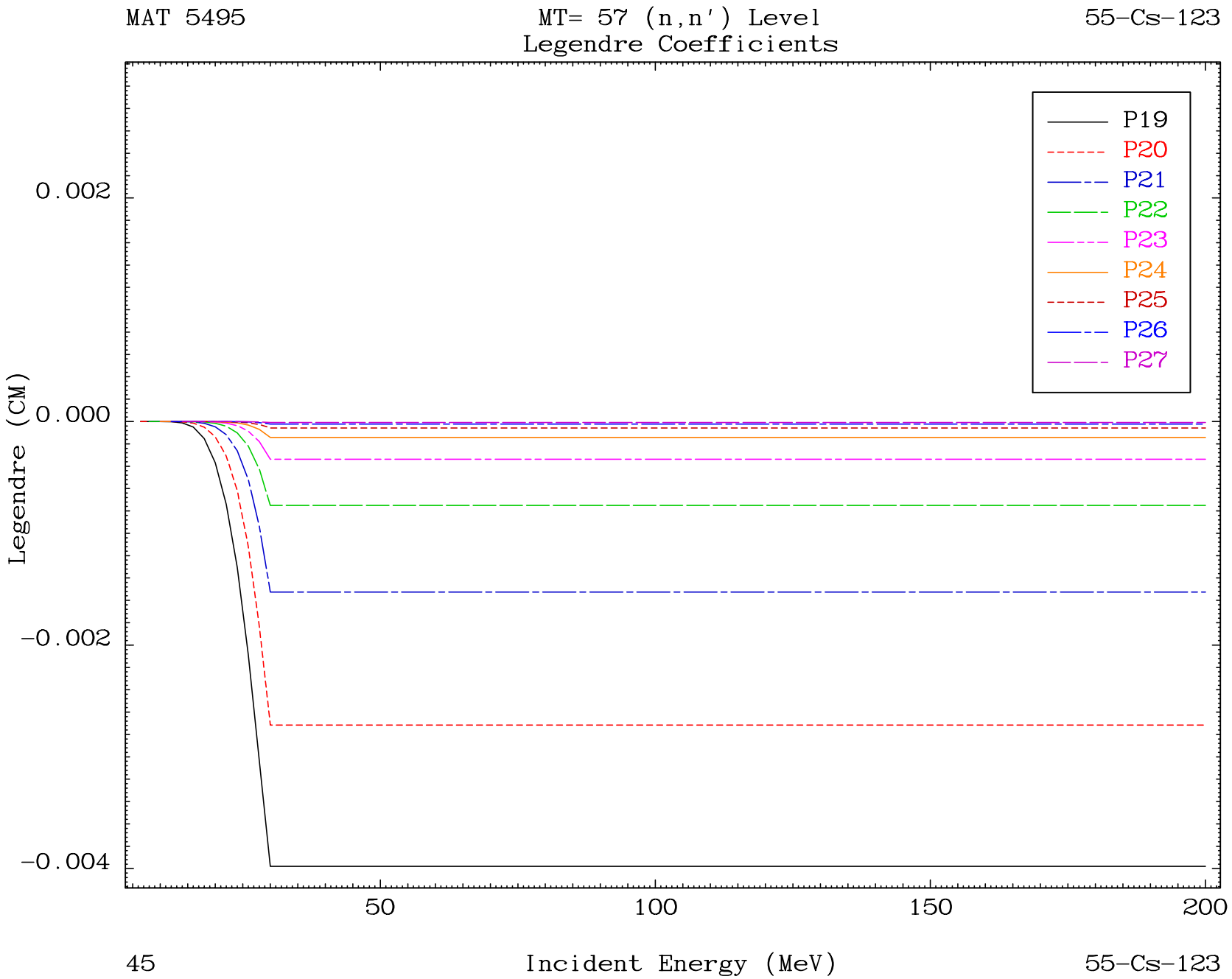

MAT 5495
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
40
Incident Energy (MeV)
55-Cs-123

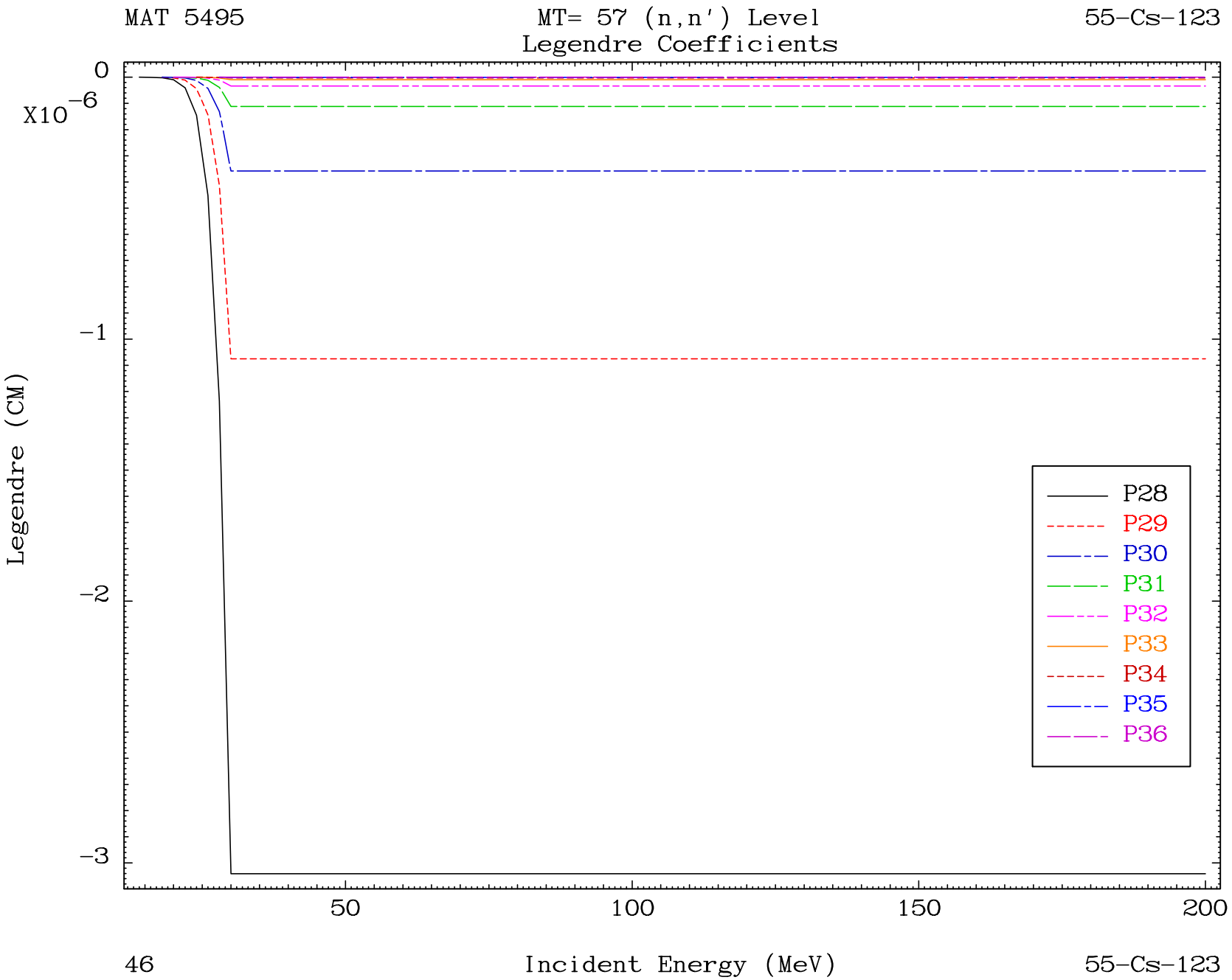

MAT 5495
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
55-Cs-123

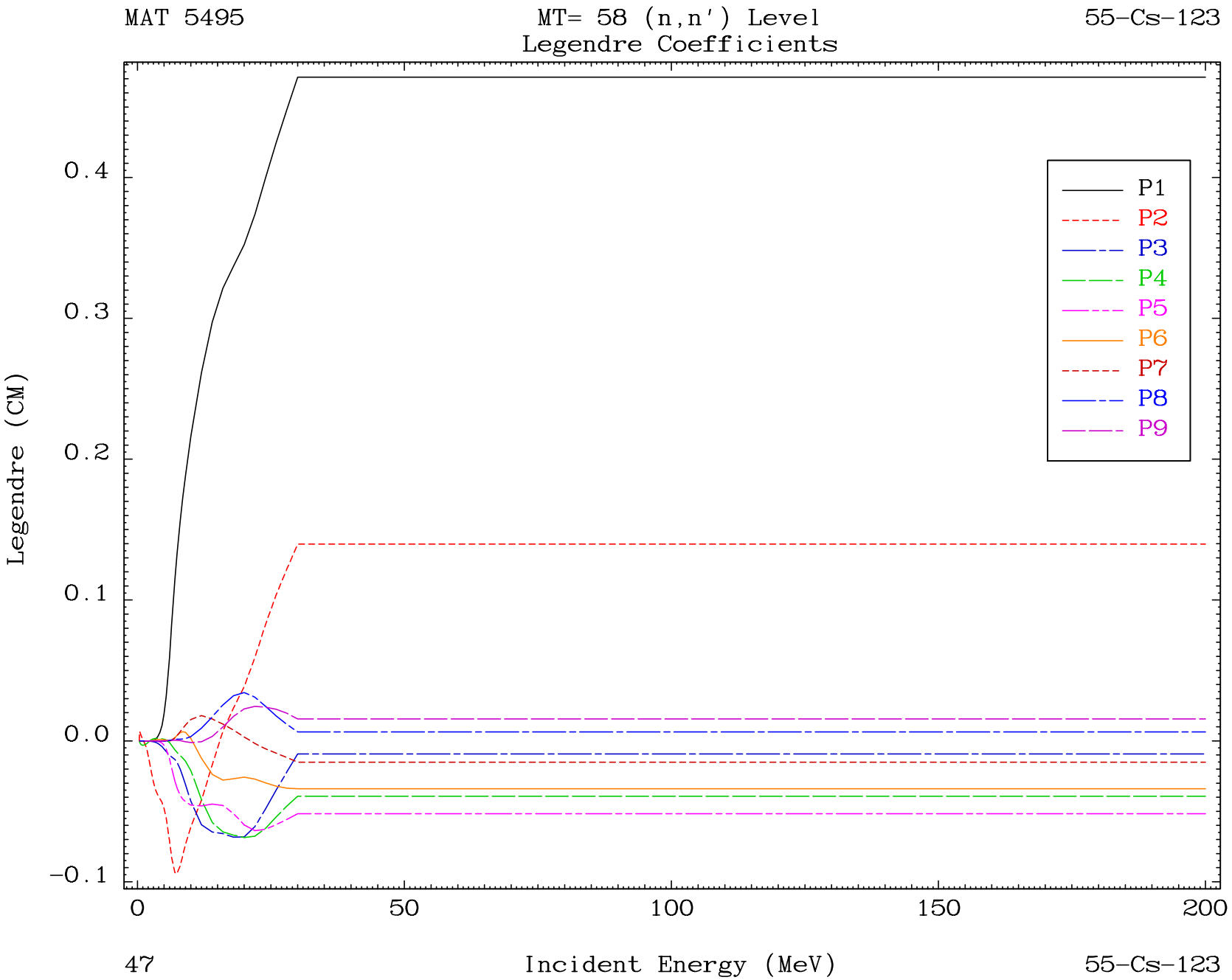

MAT 5495
MT= 56 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−1
−2
−3
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

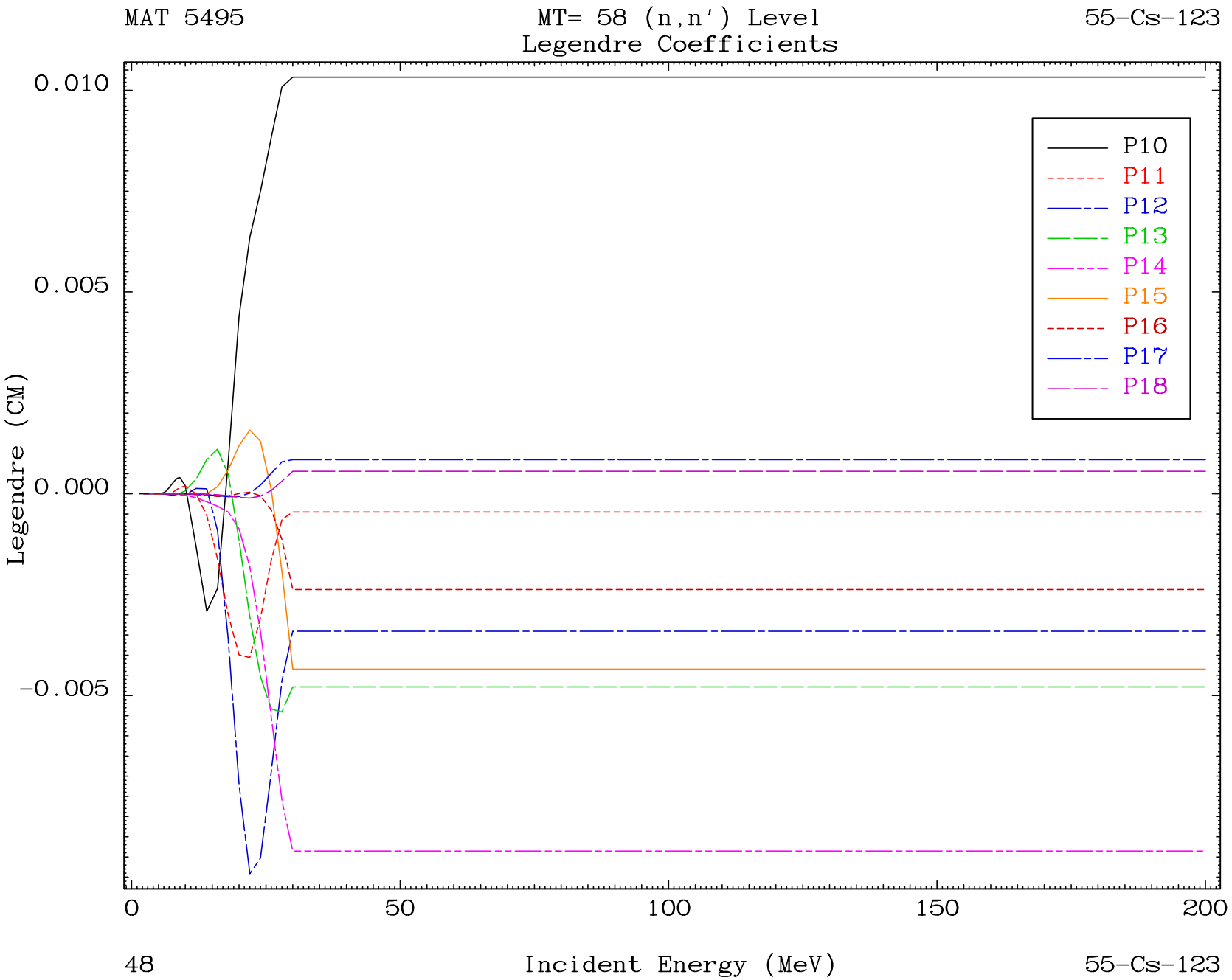

MAT 5495
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
43
Incident Energy (MeV)
55-Cs-123

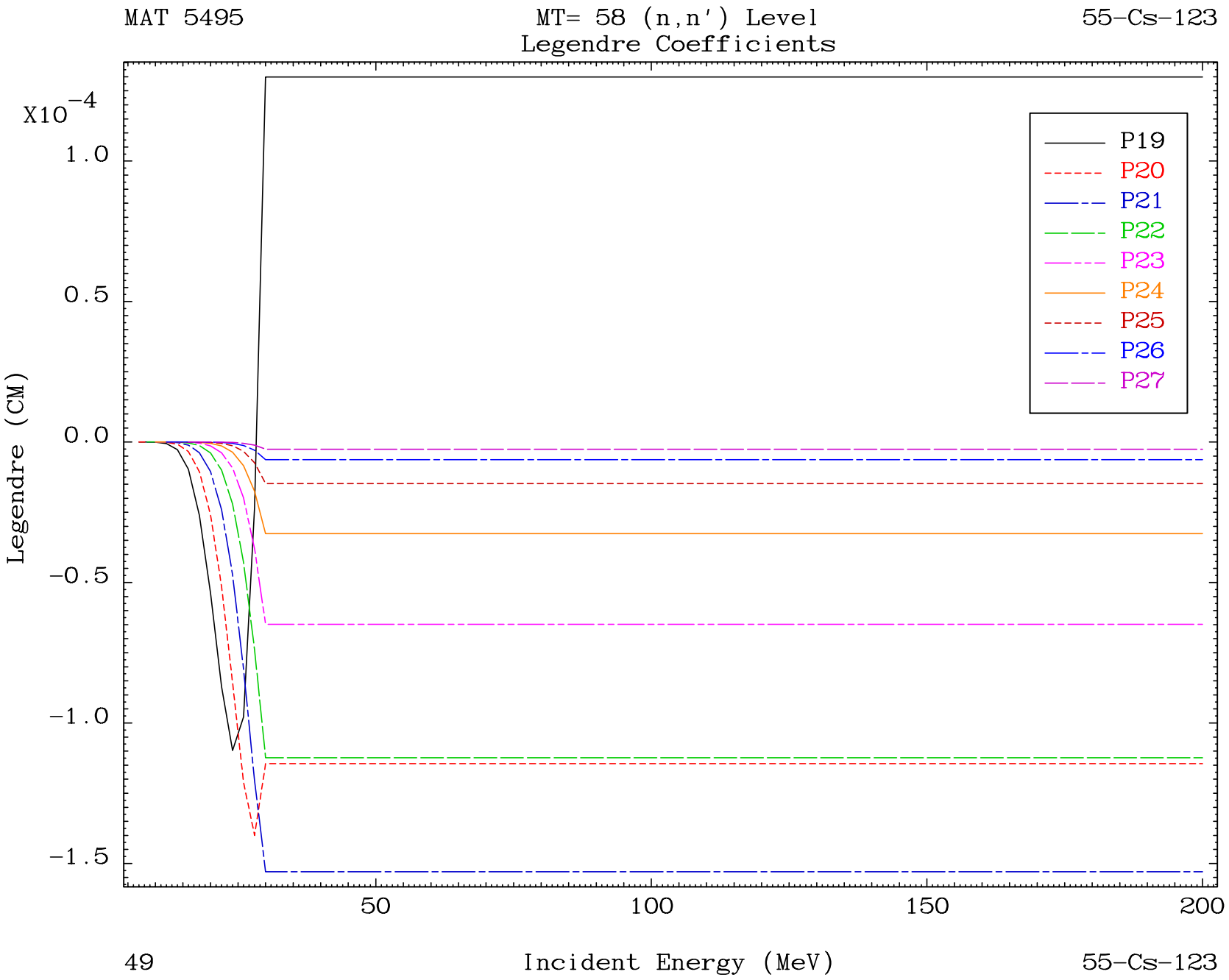

MAT 5495
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
44
Incident Energy (MeV)
55-Cs-123

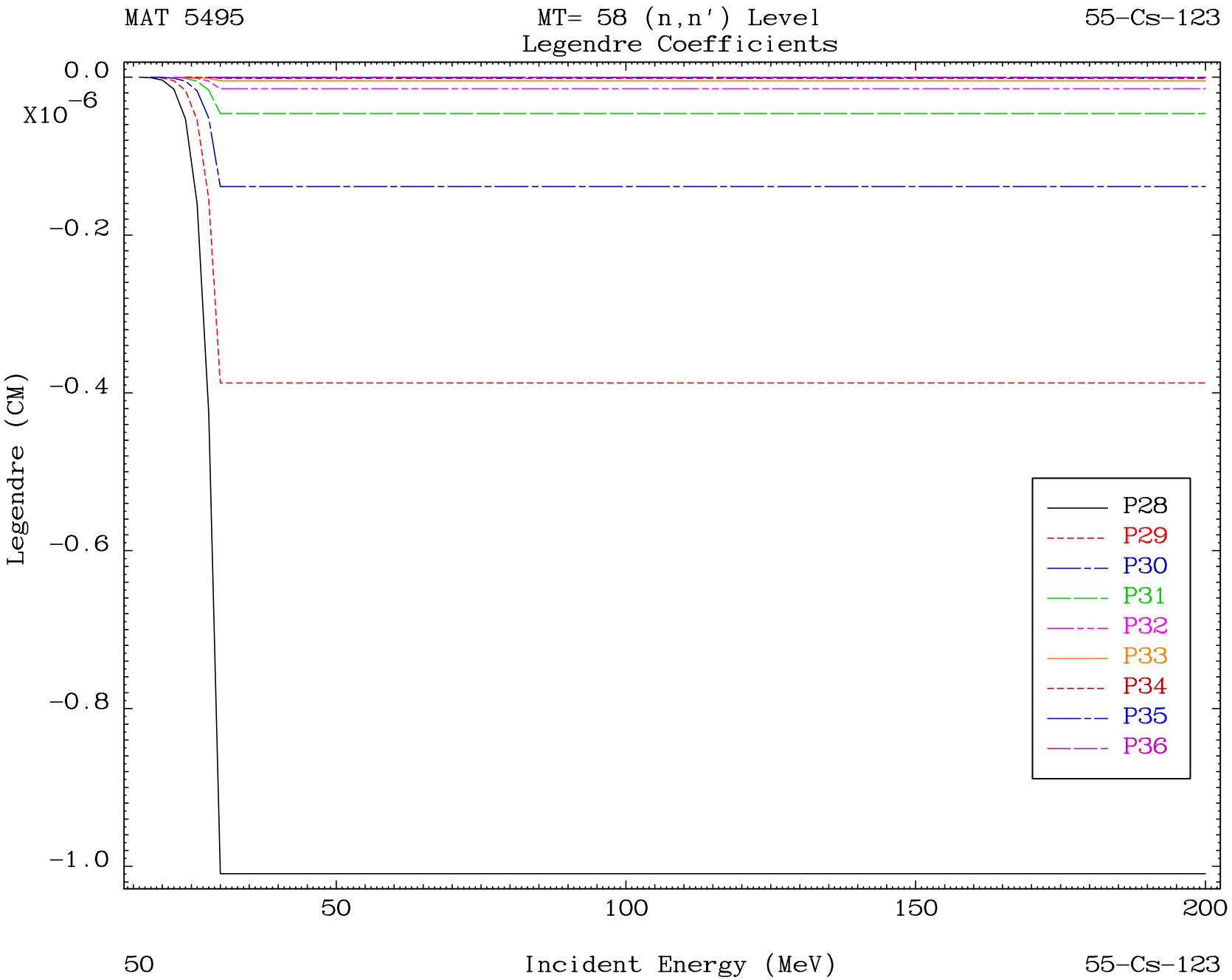

MAT 5495
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
55-Cs-123

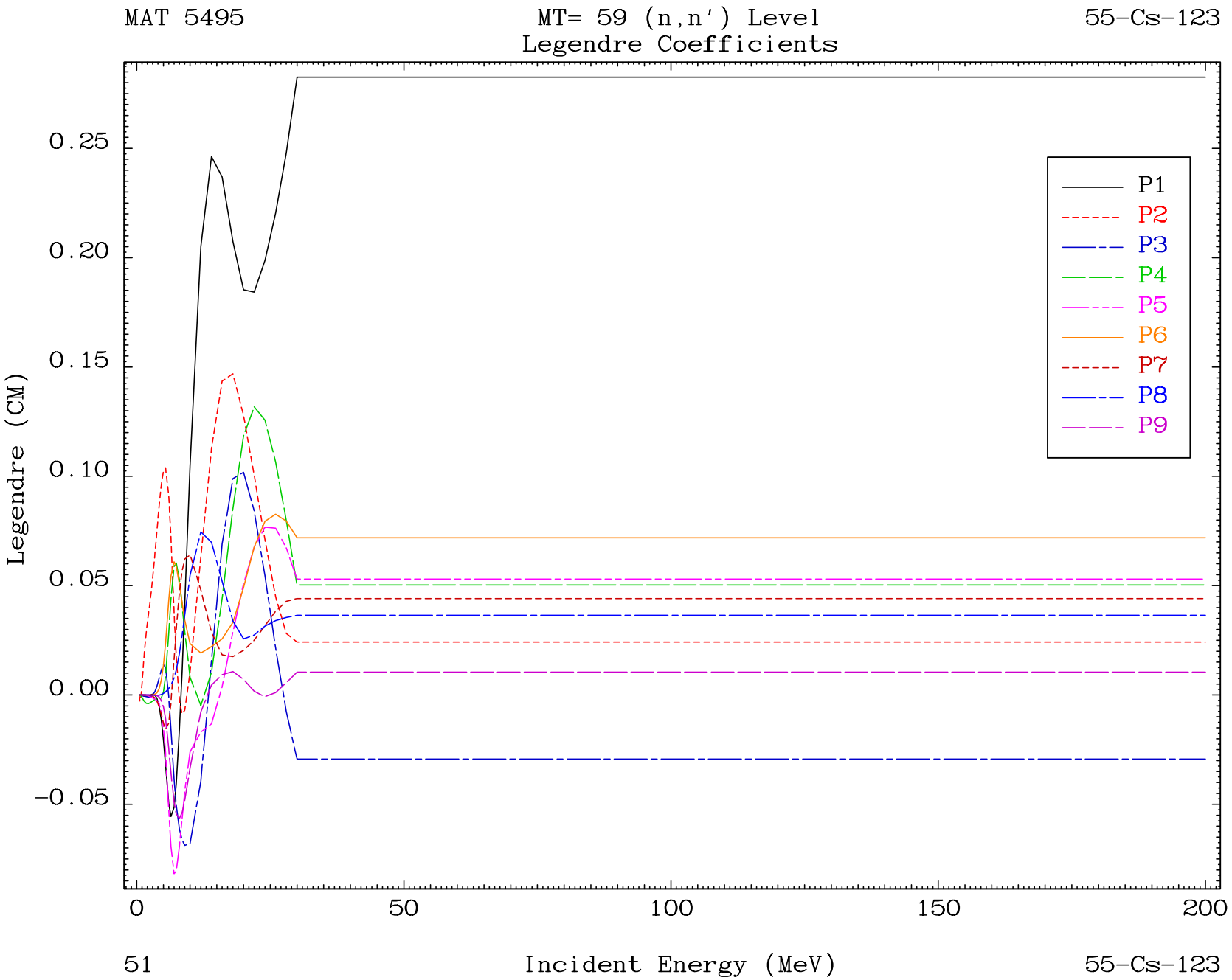

MAT 5495
MT= 57 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−1
−2
−3
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

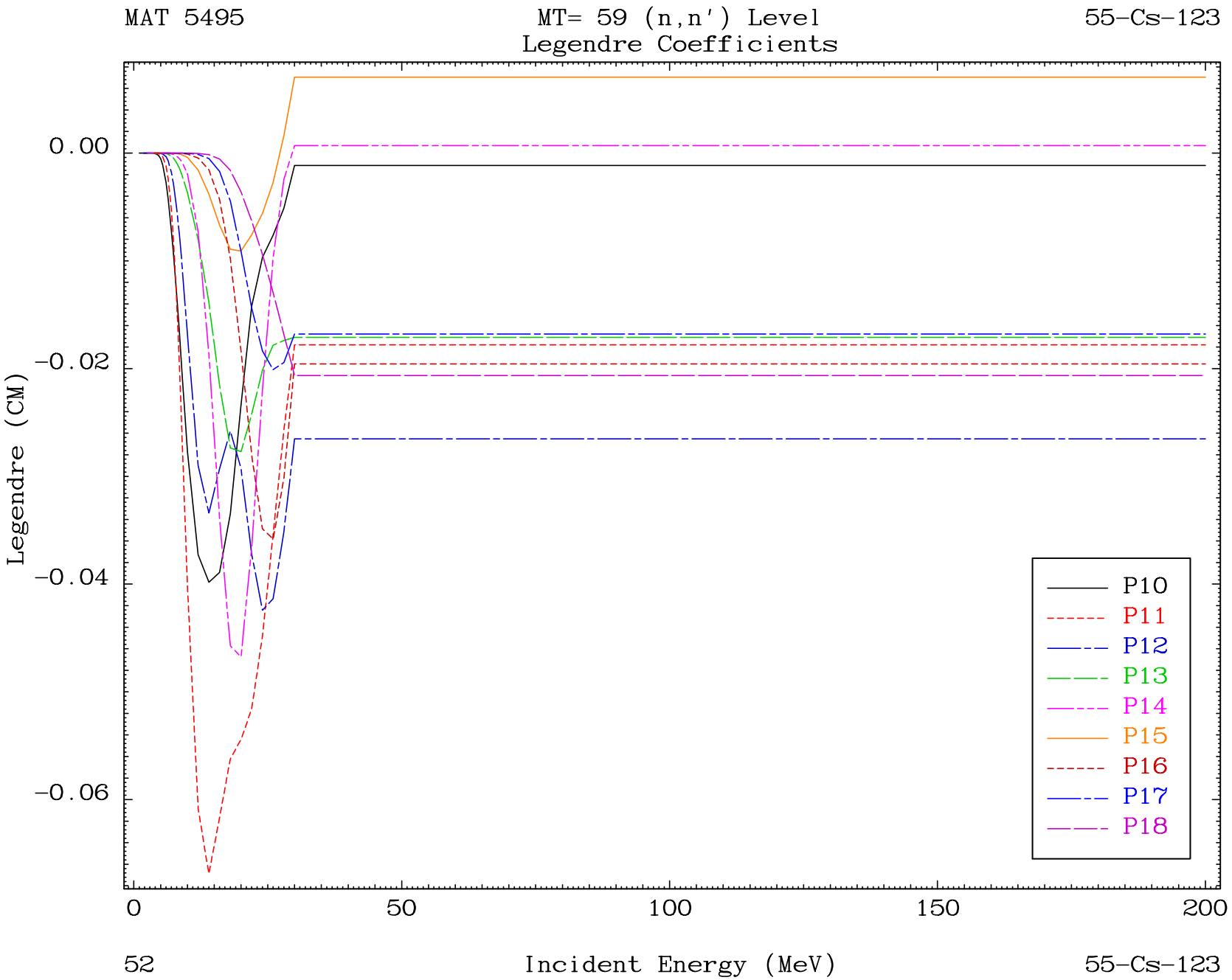

MAT 5495
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
47
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

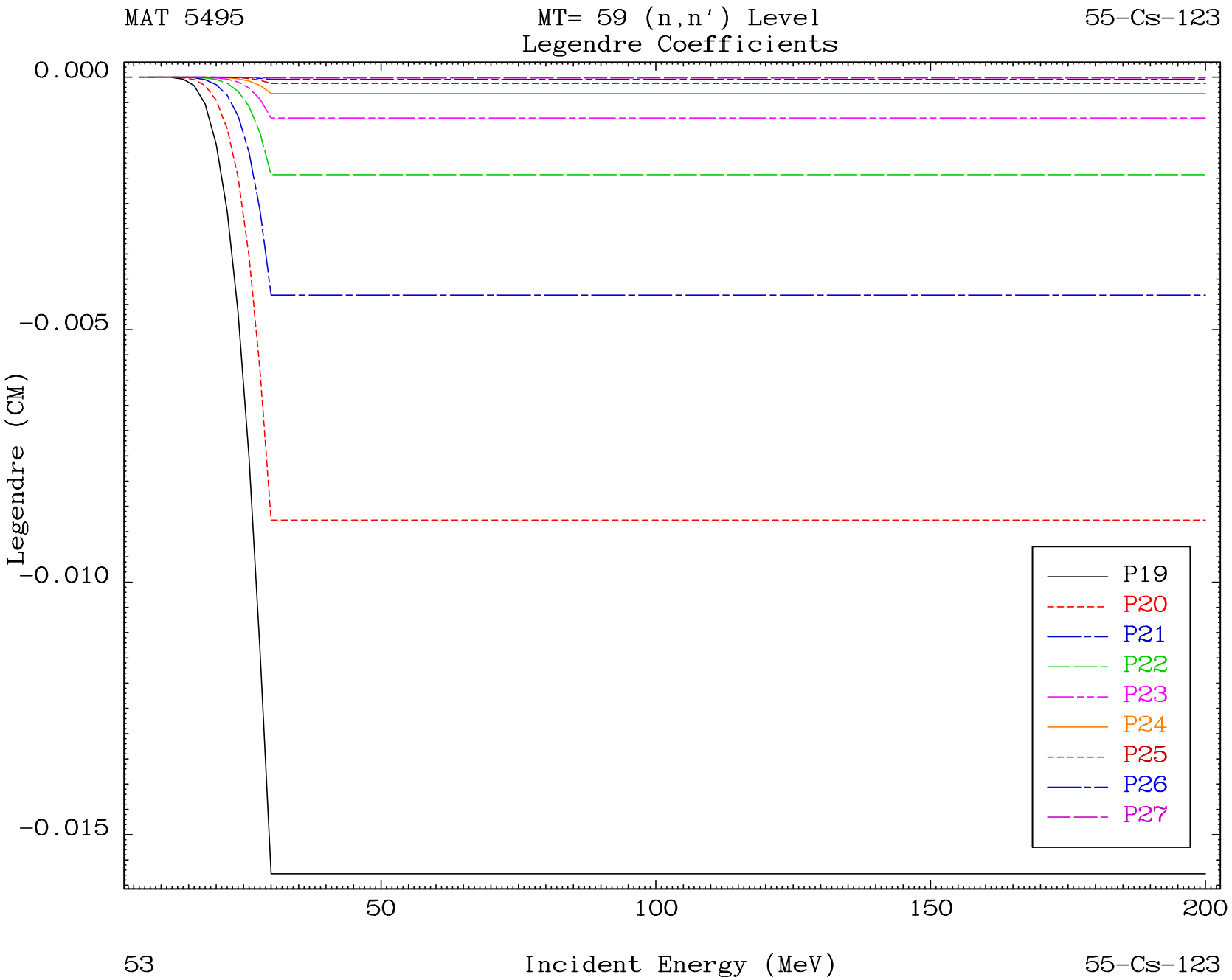

MAT 5495
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-123
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
48
Incident Energy (MeV)
55-Cs-123

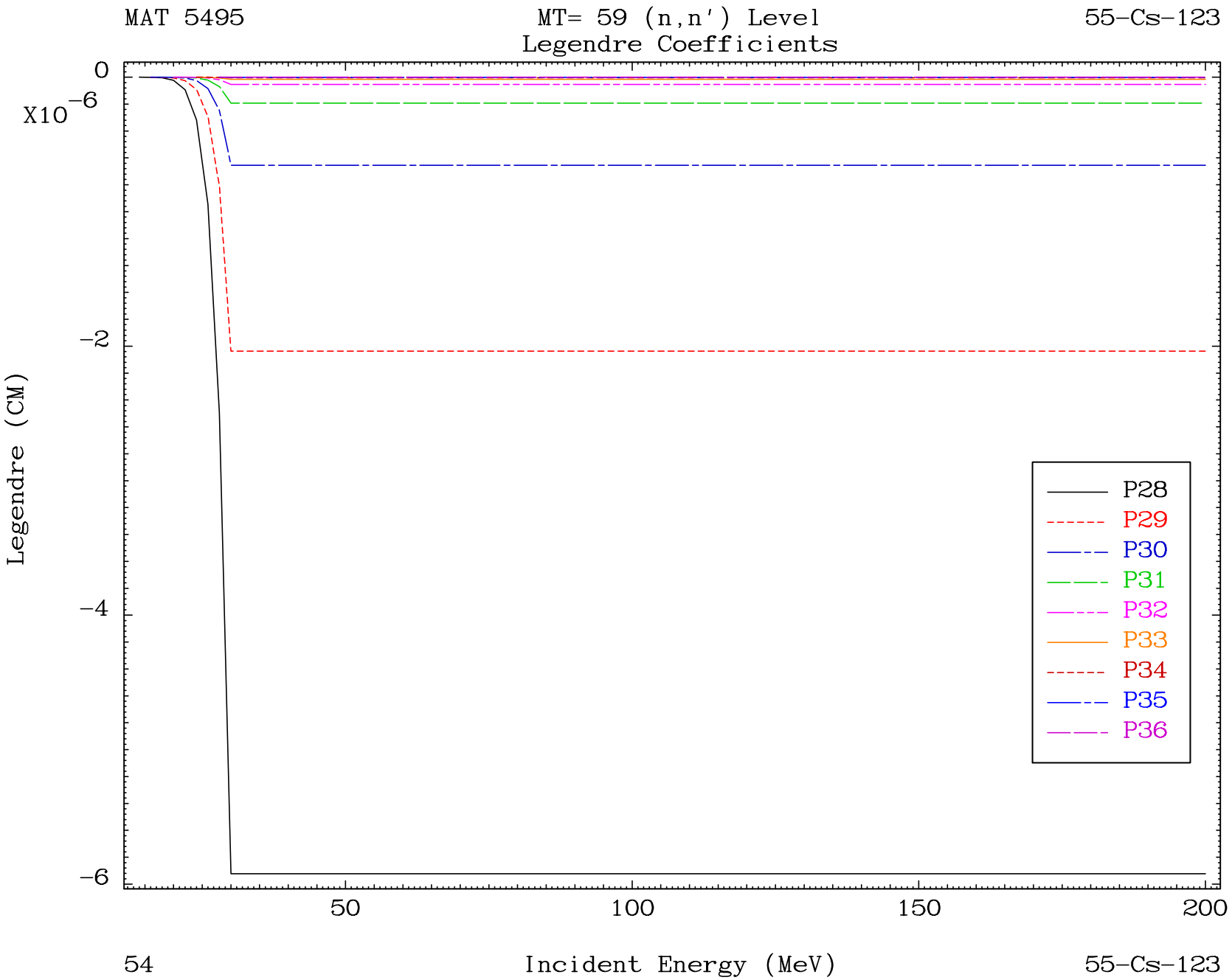

MAT 5495
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
49
Incident Energy (MeV)
55-Cs-123

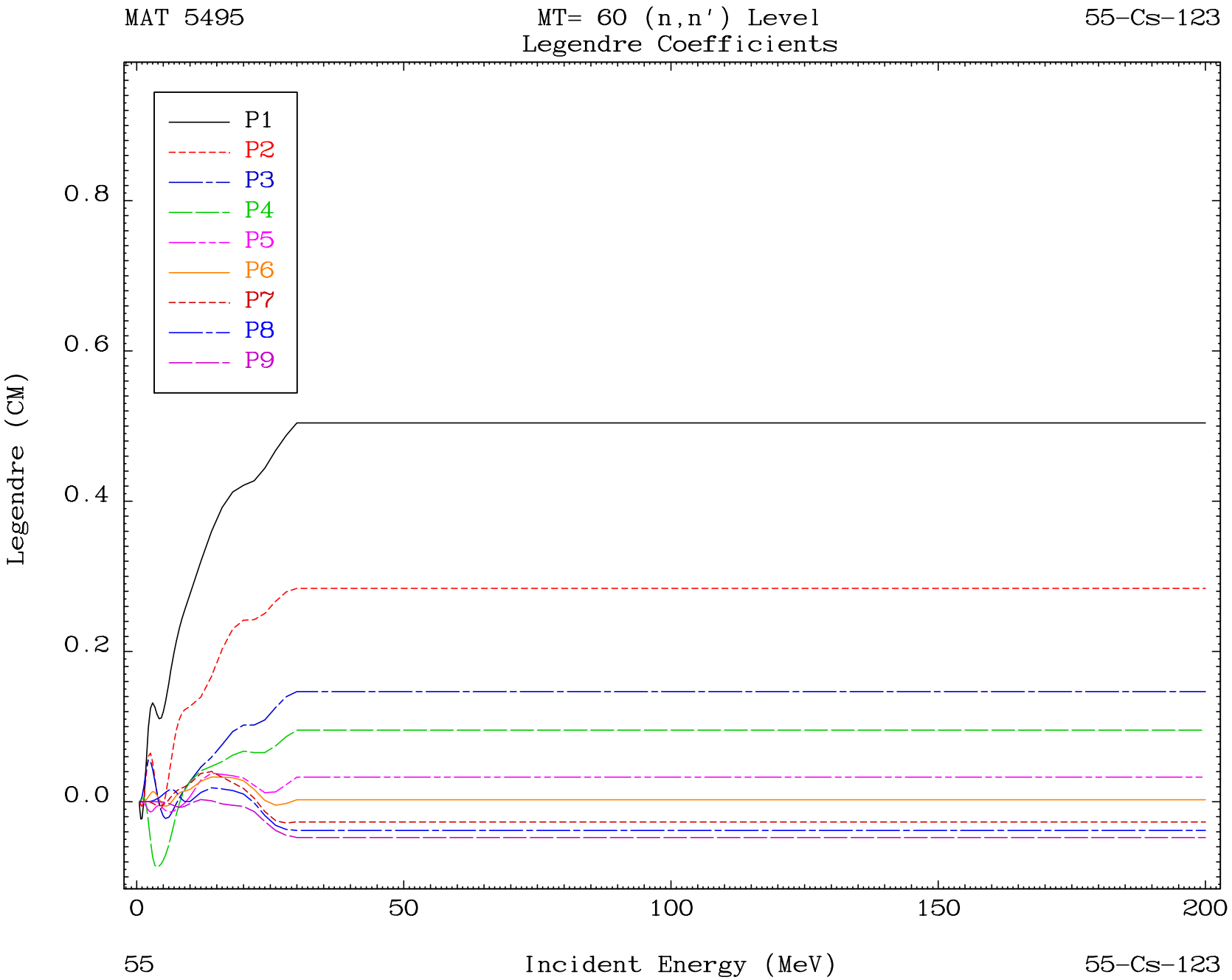

MAT 5495
MT= 58 (n,n') Level
Legendre Coefficients
55-Cs-123
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

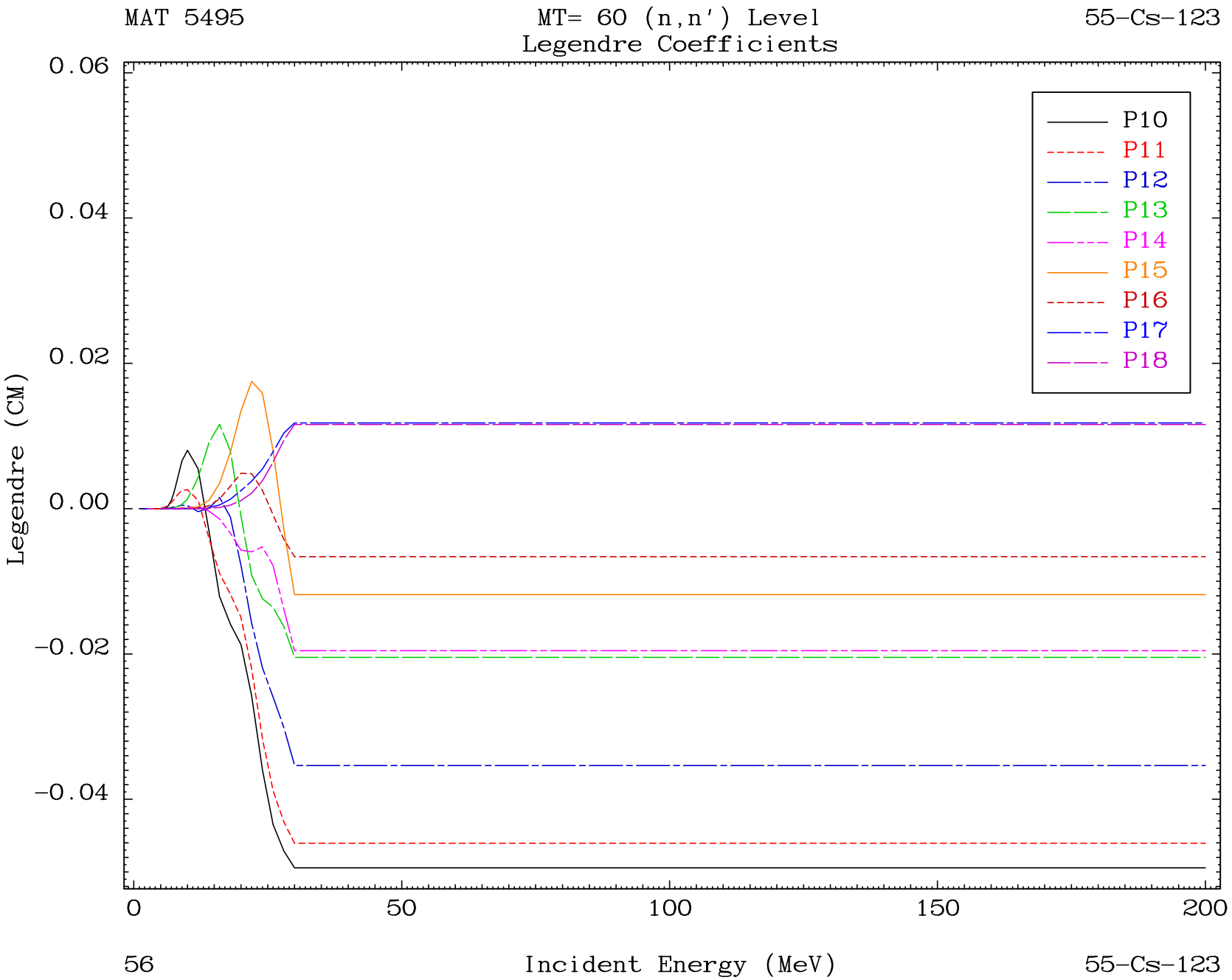

MAT 5495
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
51
Incident Energy (MeV)
55-Cs-123

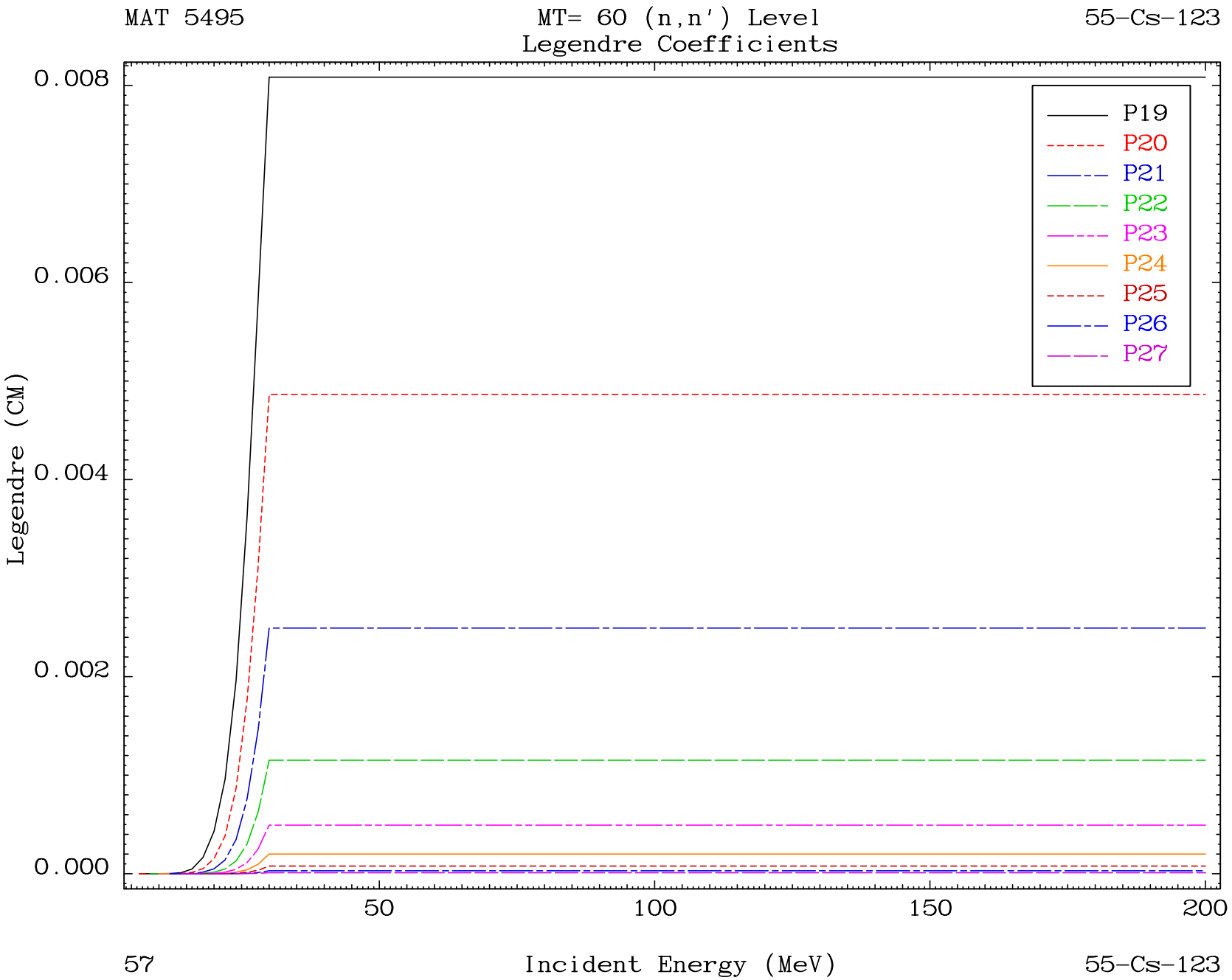

MAT 5495
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-123
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

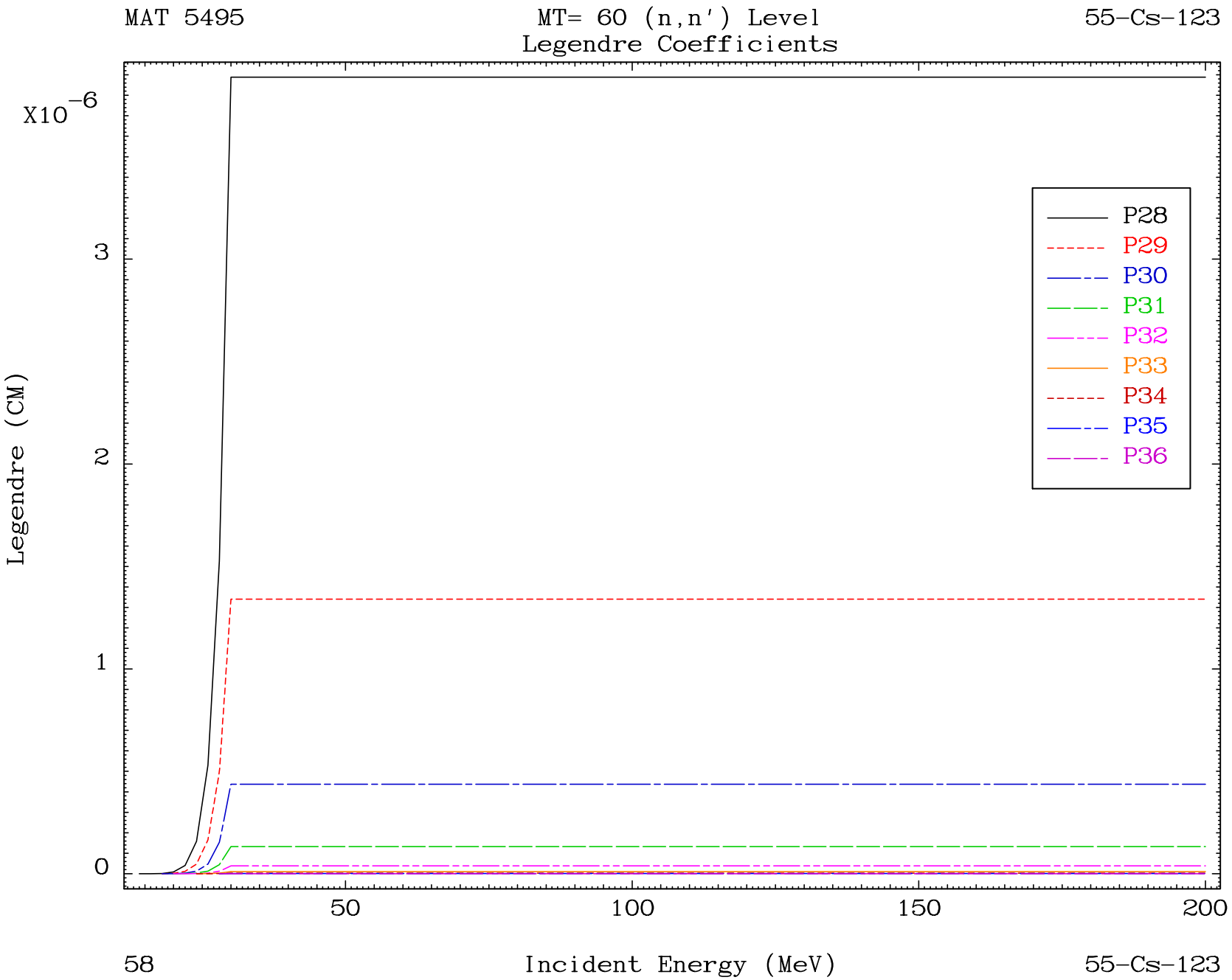

MAT 5495
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-123
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

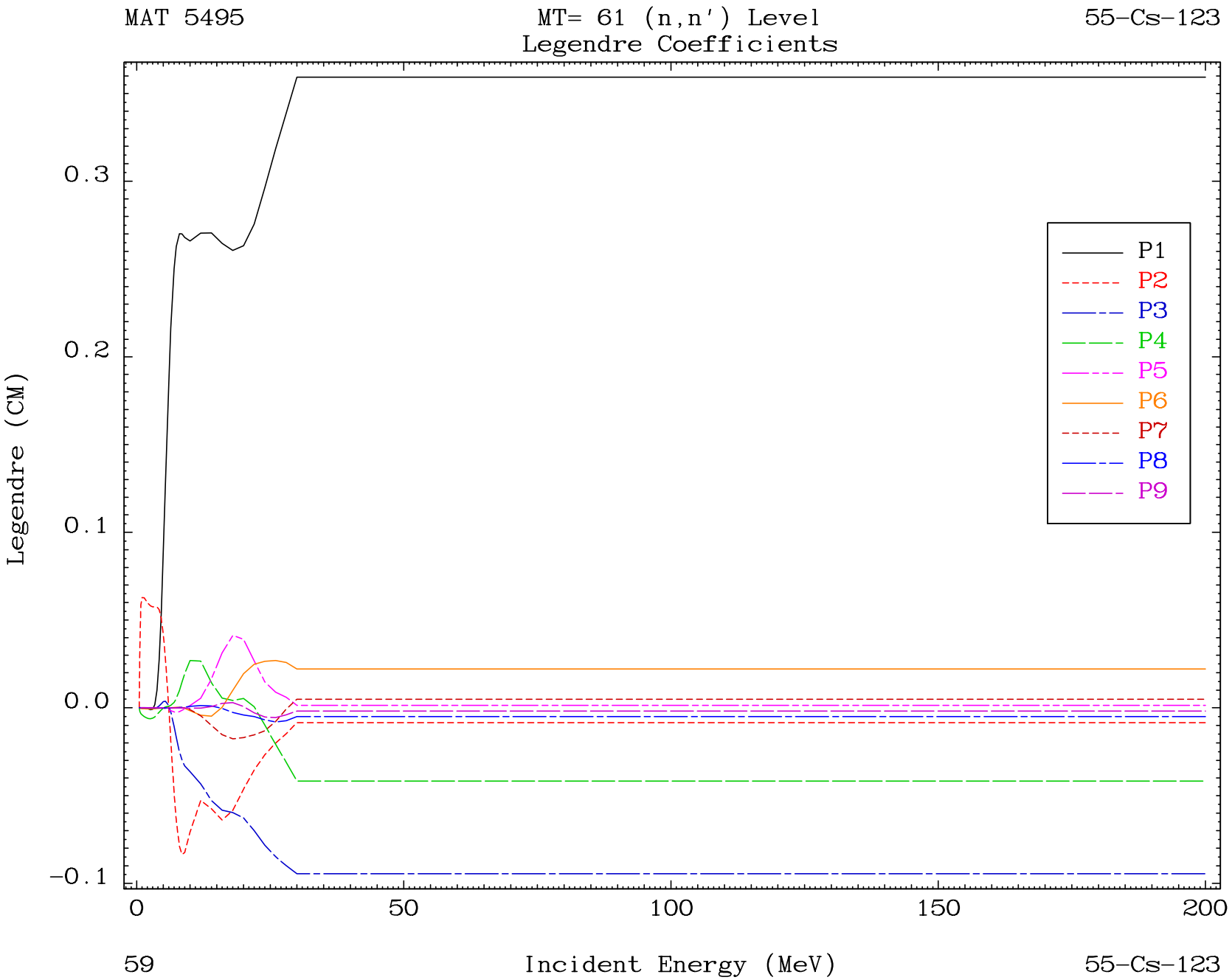

MAT 5495
MT= 59 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

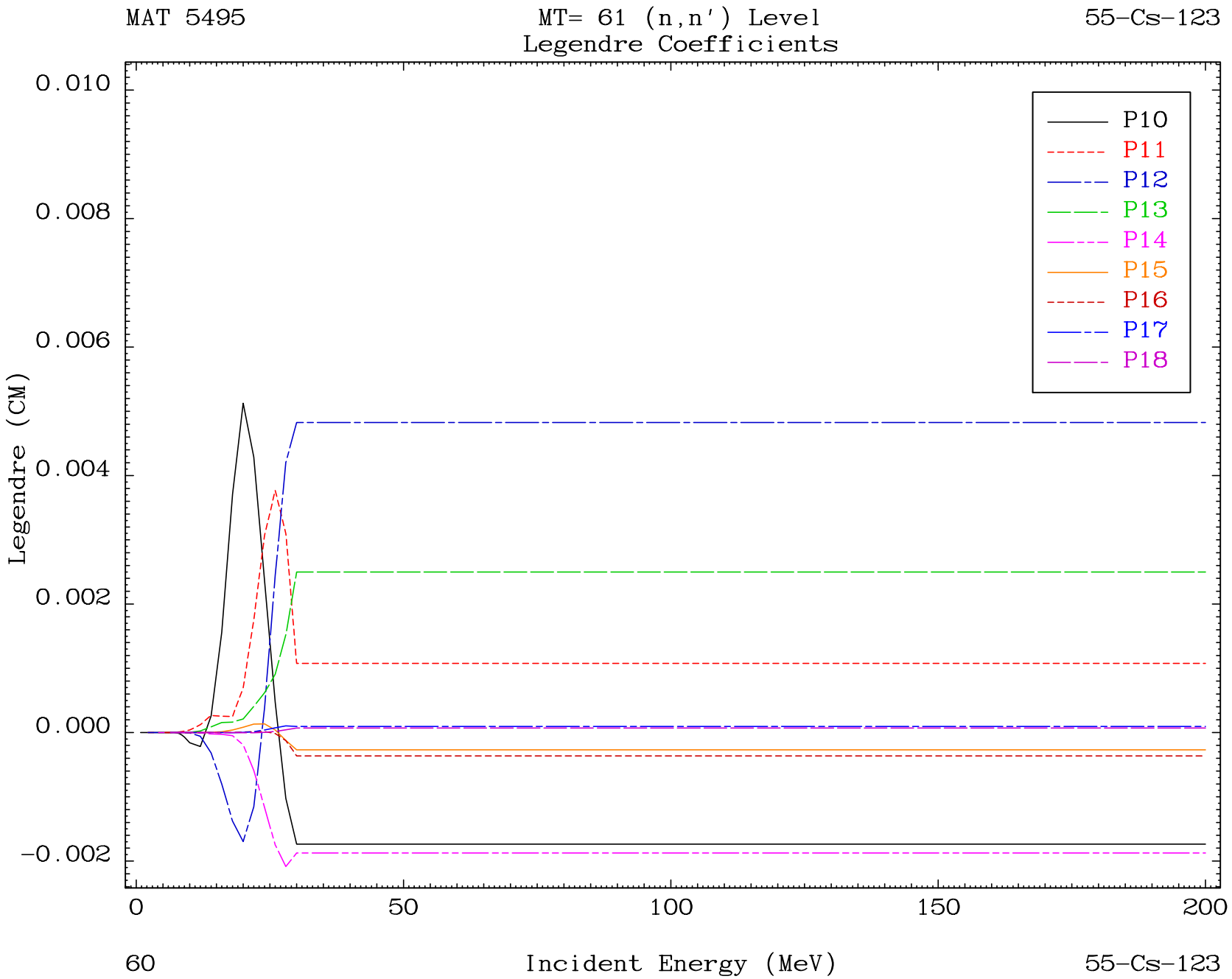

MAT 5495
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
55
Incident Energy (MeV)
55-Cs-123

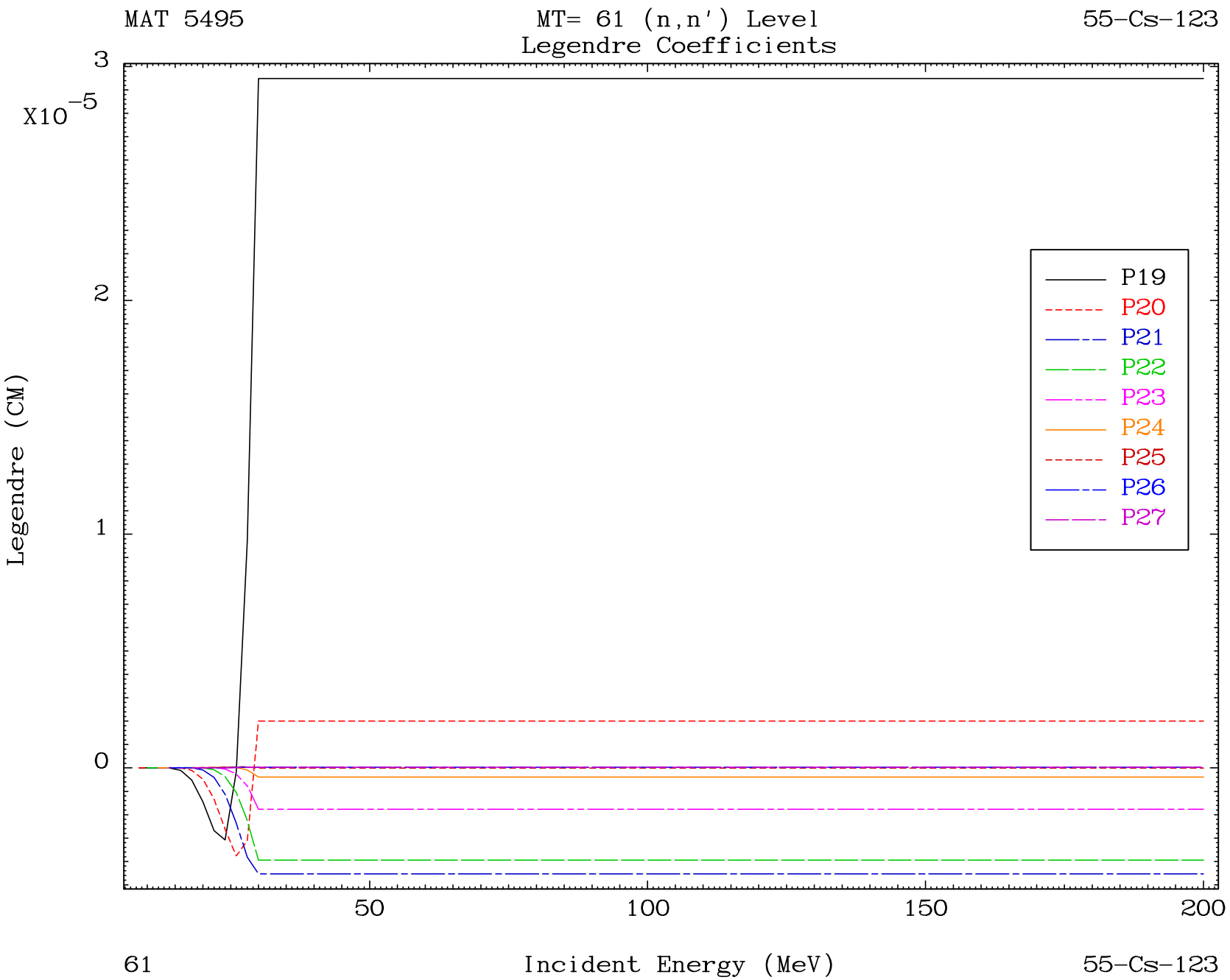

MAT 5495
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
56
Incident Energy (MeV)
55-Cs-123

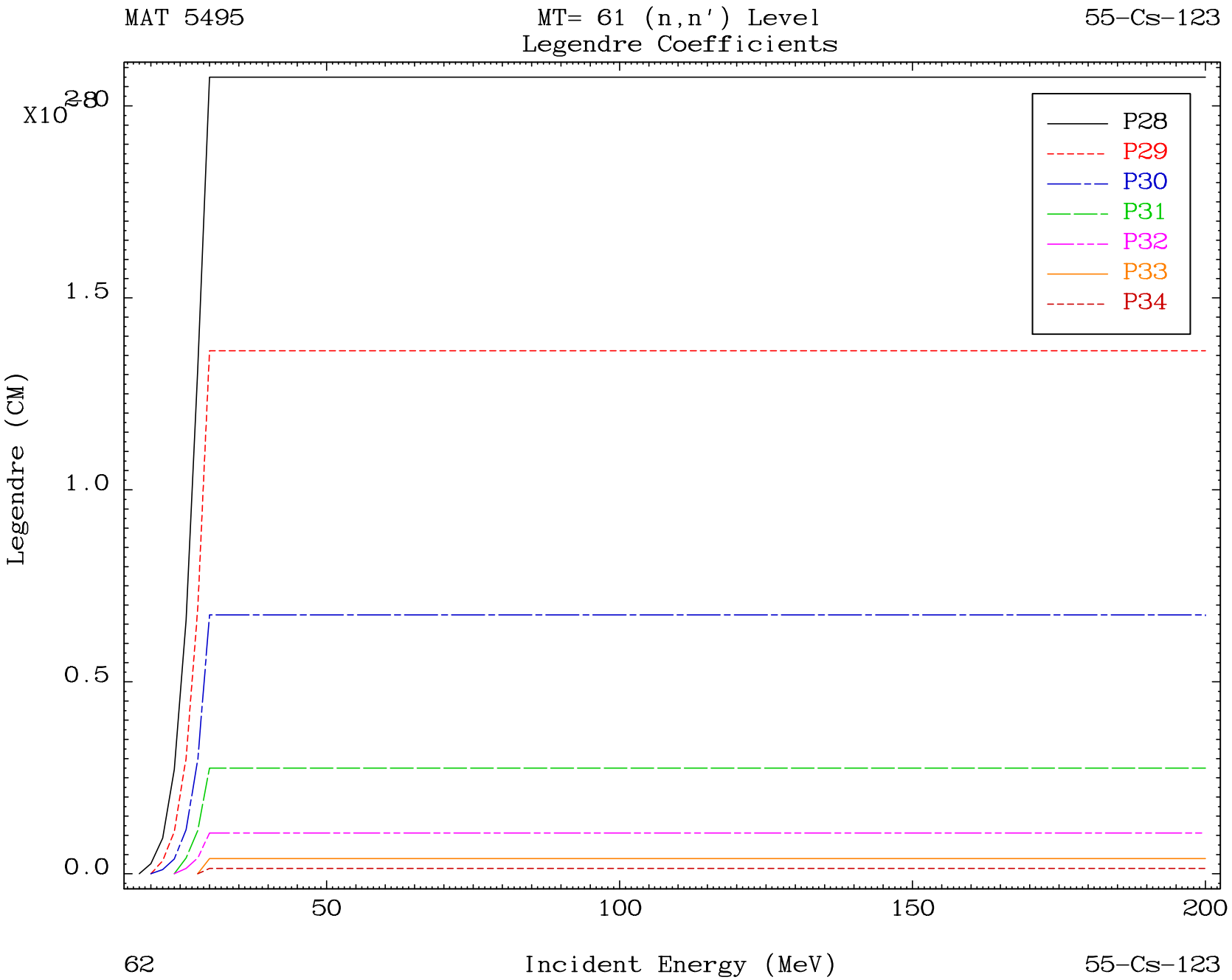

MAT 5495
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
57
Incident Energy (MeV)
55-Cs-123

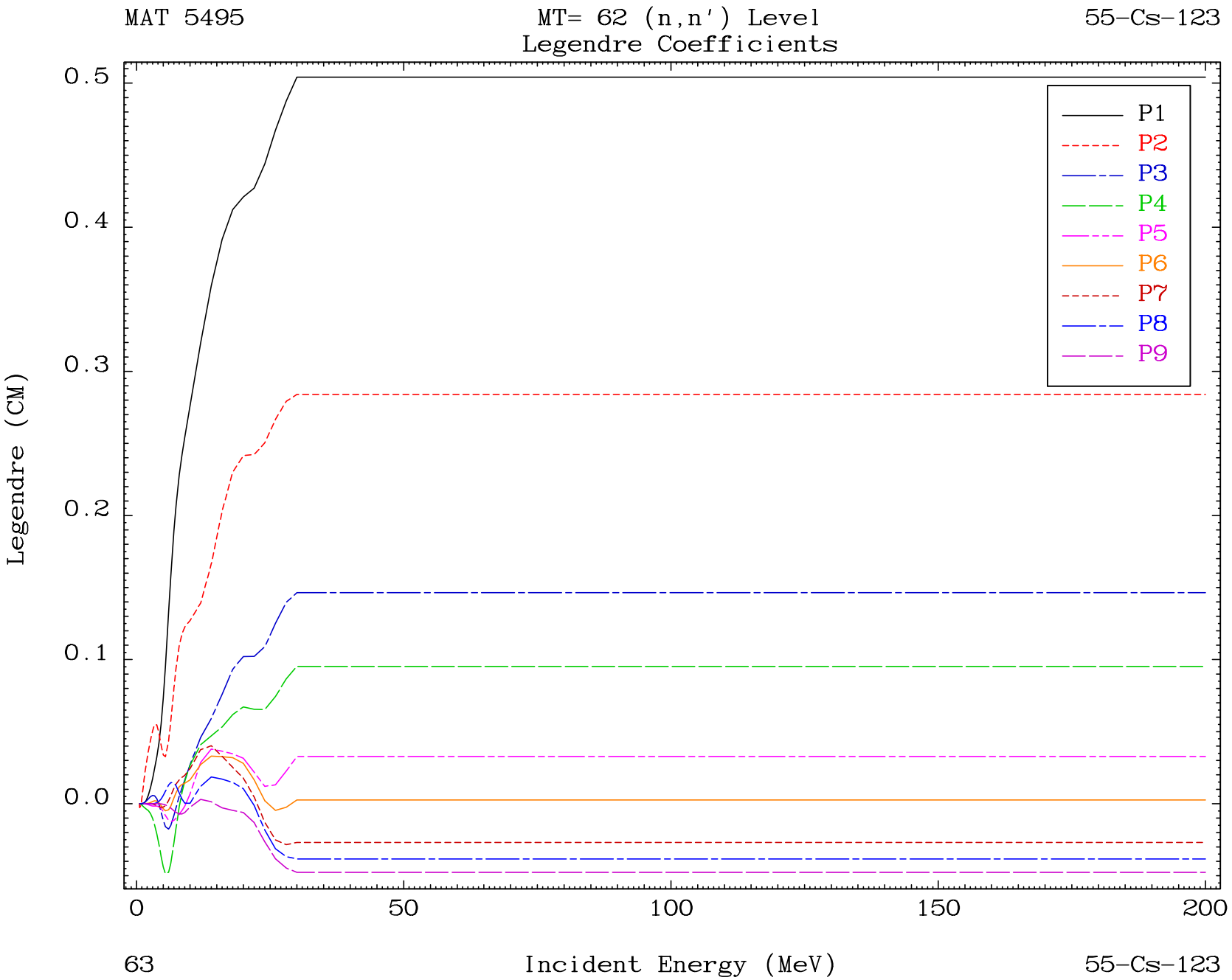

MAT 5495
MT= 60 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
58
Incident Energy (MeV)
55-Cs-123

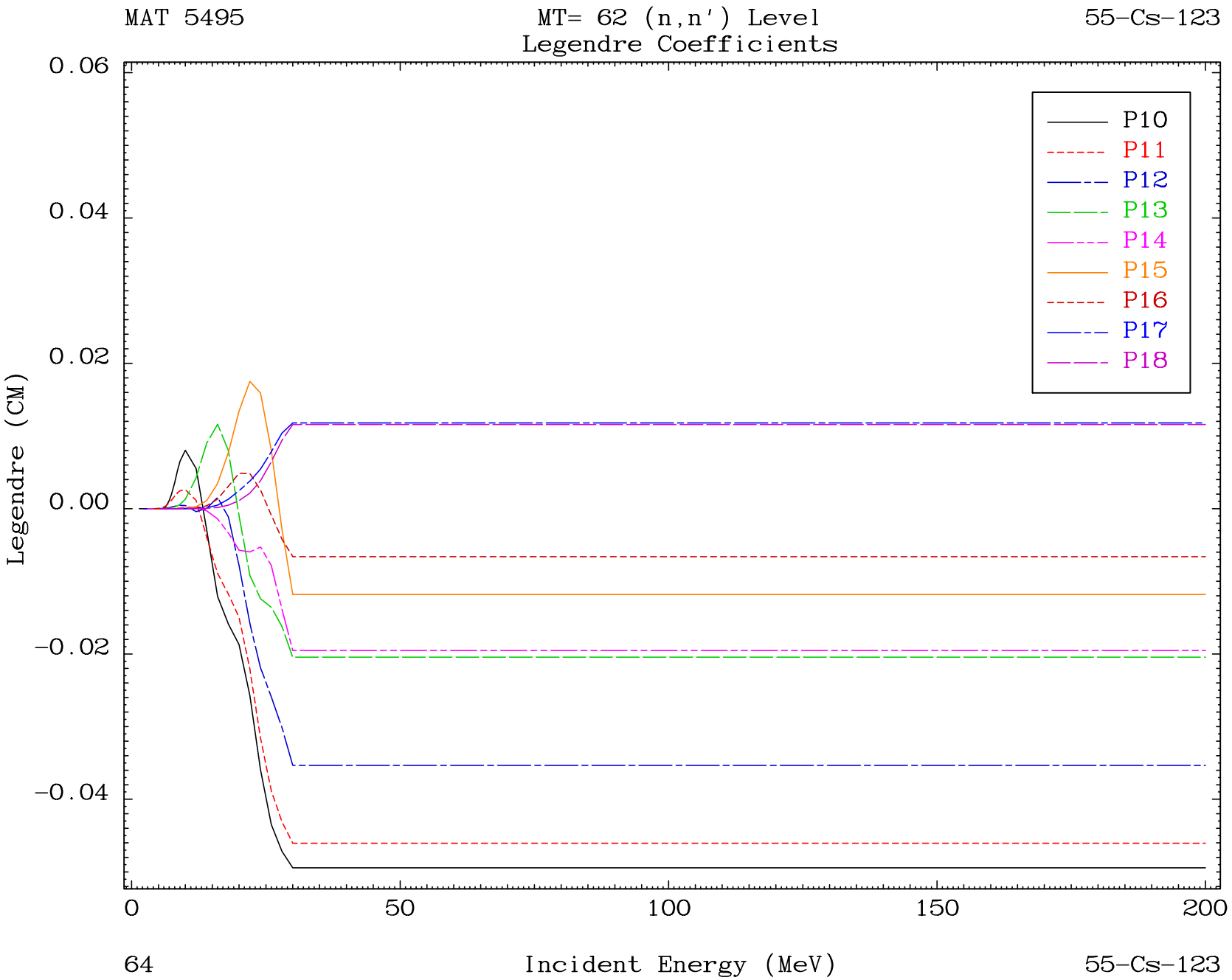

MAT 5495
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
59
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

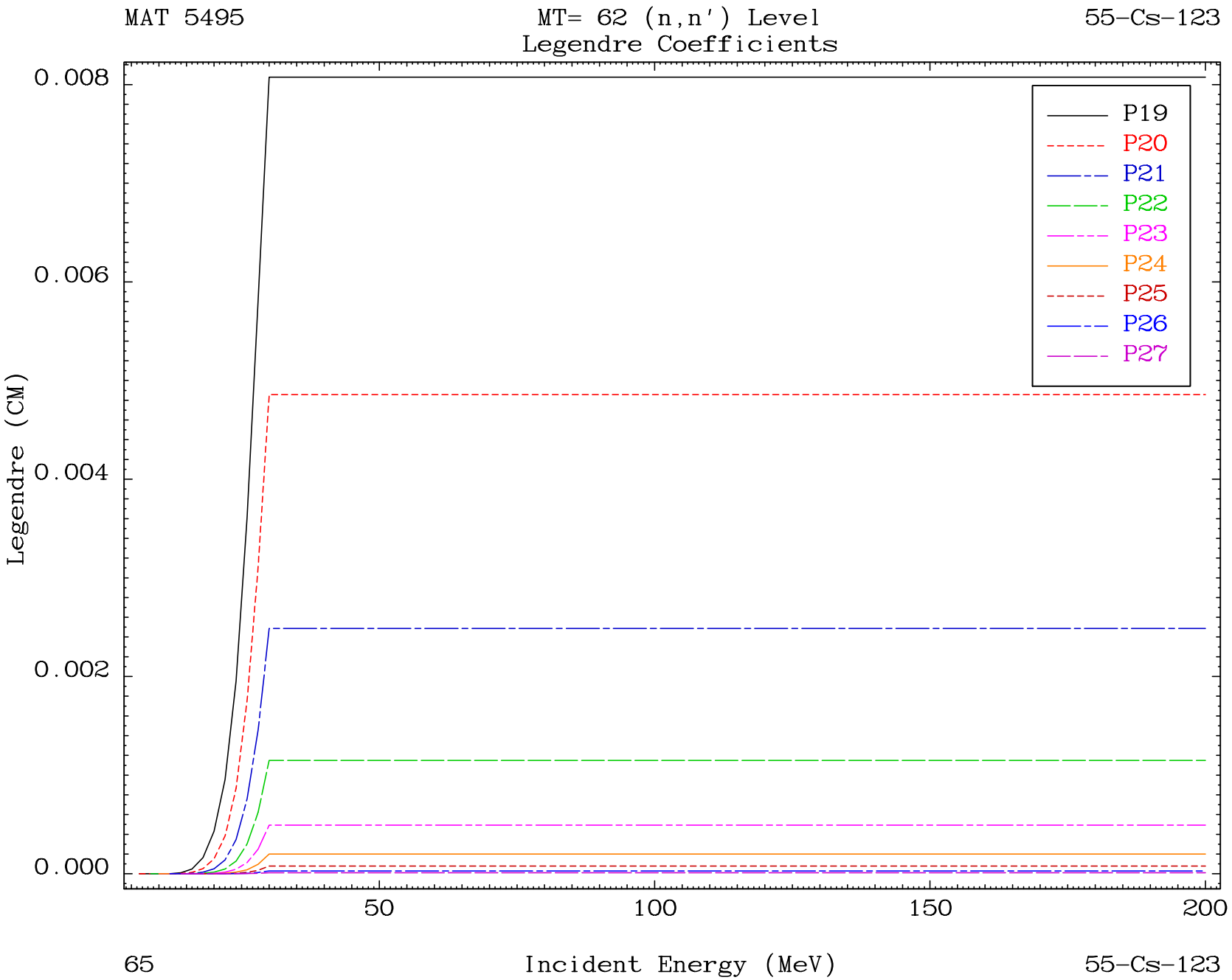

MAT 5495
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-123
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
60
Incident Energy (MeV)
55-Cs-123

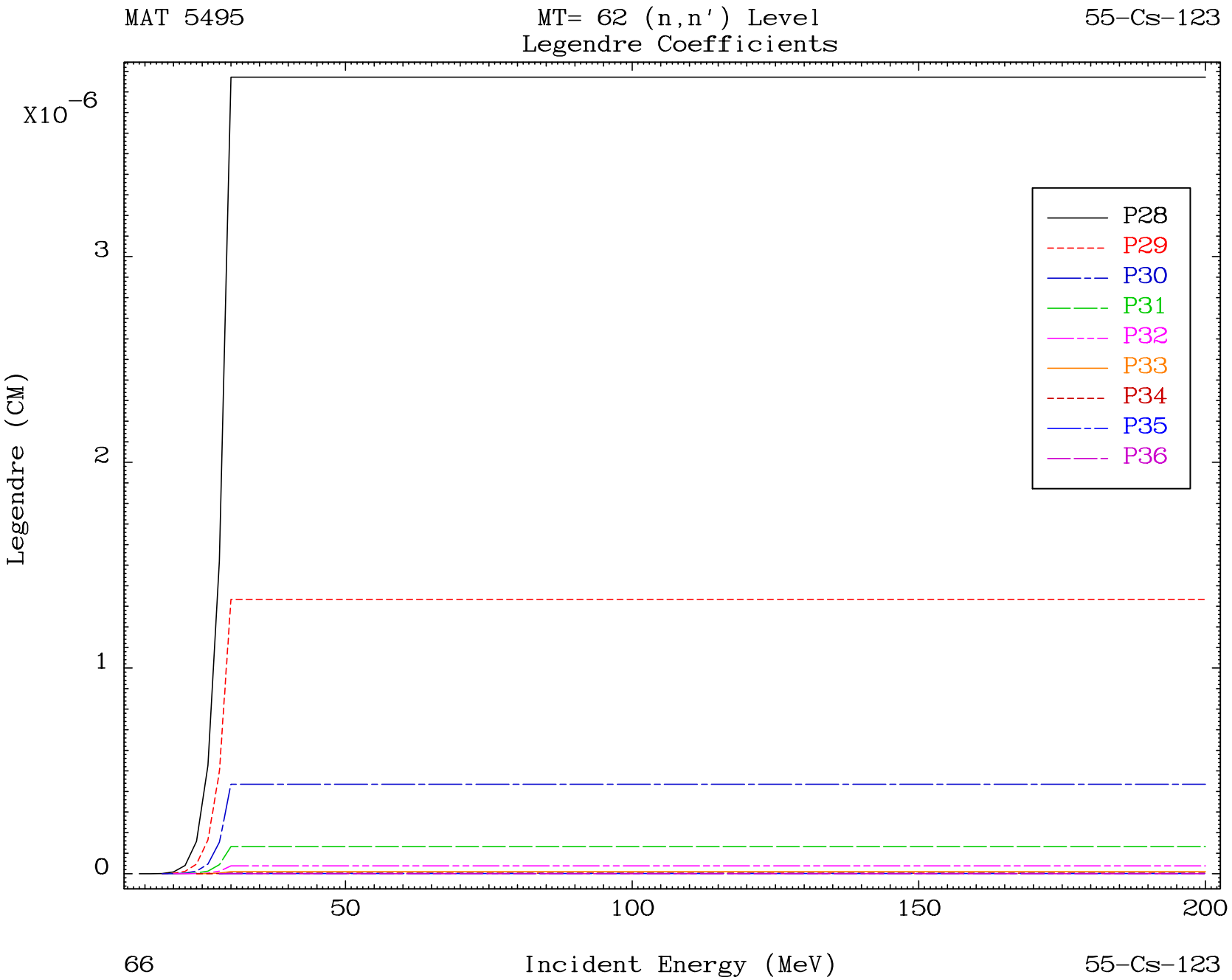

MAT 5495
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-5
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
61
Incident Energy (MeV)
55-Cs-123

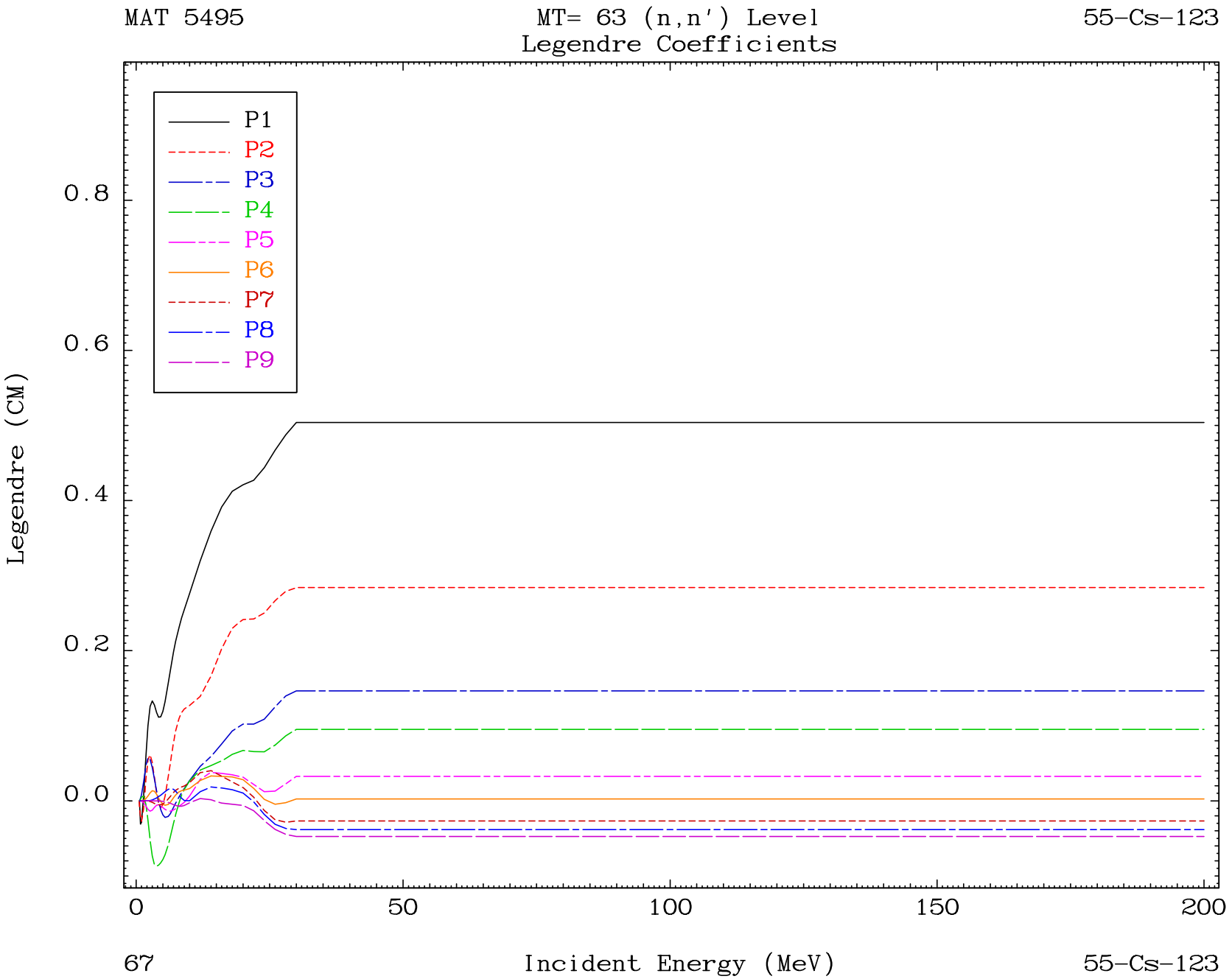

MAT 5495
MT= 61 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-00
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
62
Incident Energy (MeV)
55-Cs-123

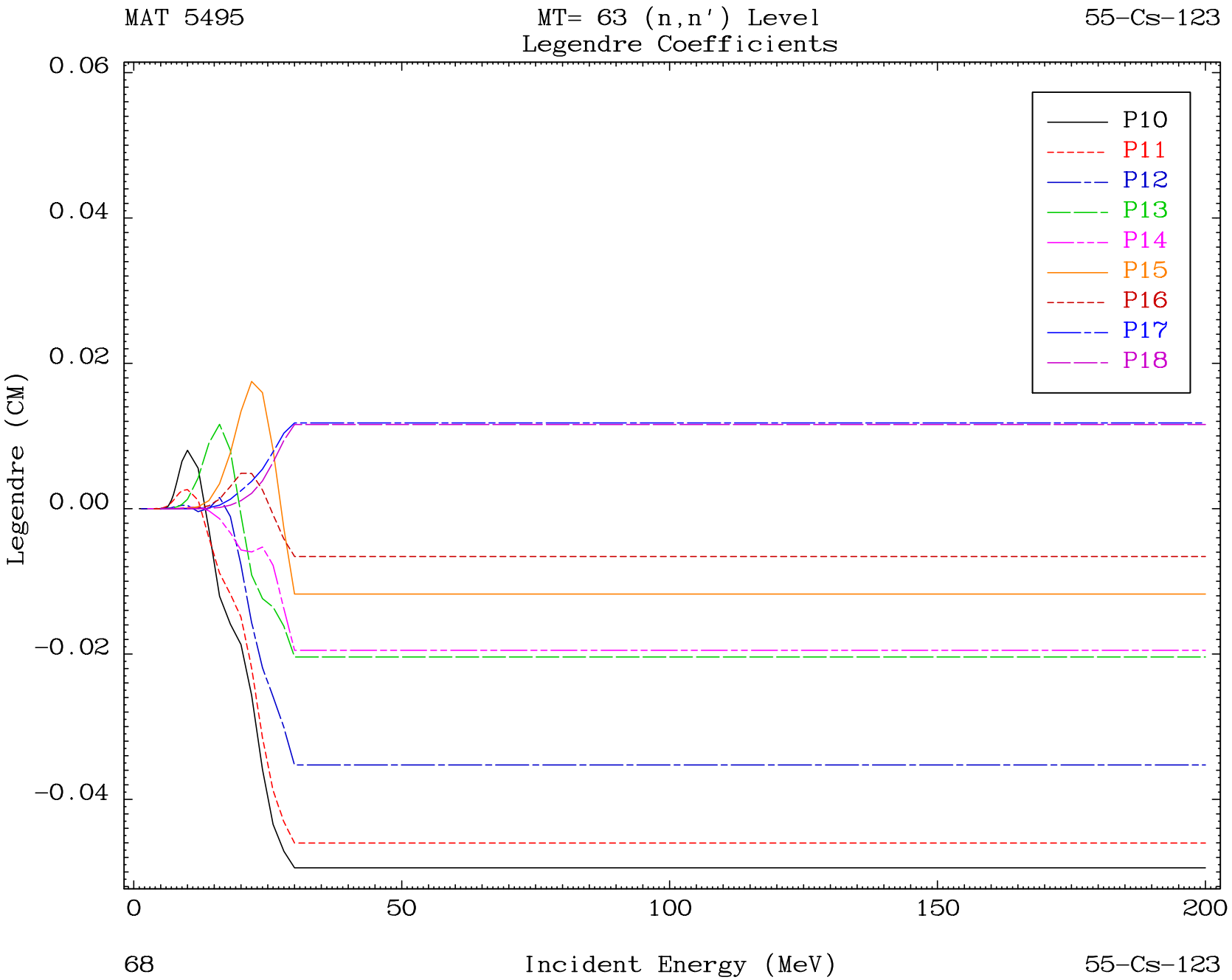

MAT 5495
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-123
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
63
Incident Energy (MeV)
55-Cs-123

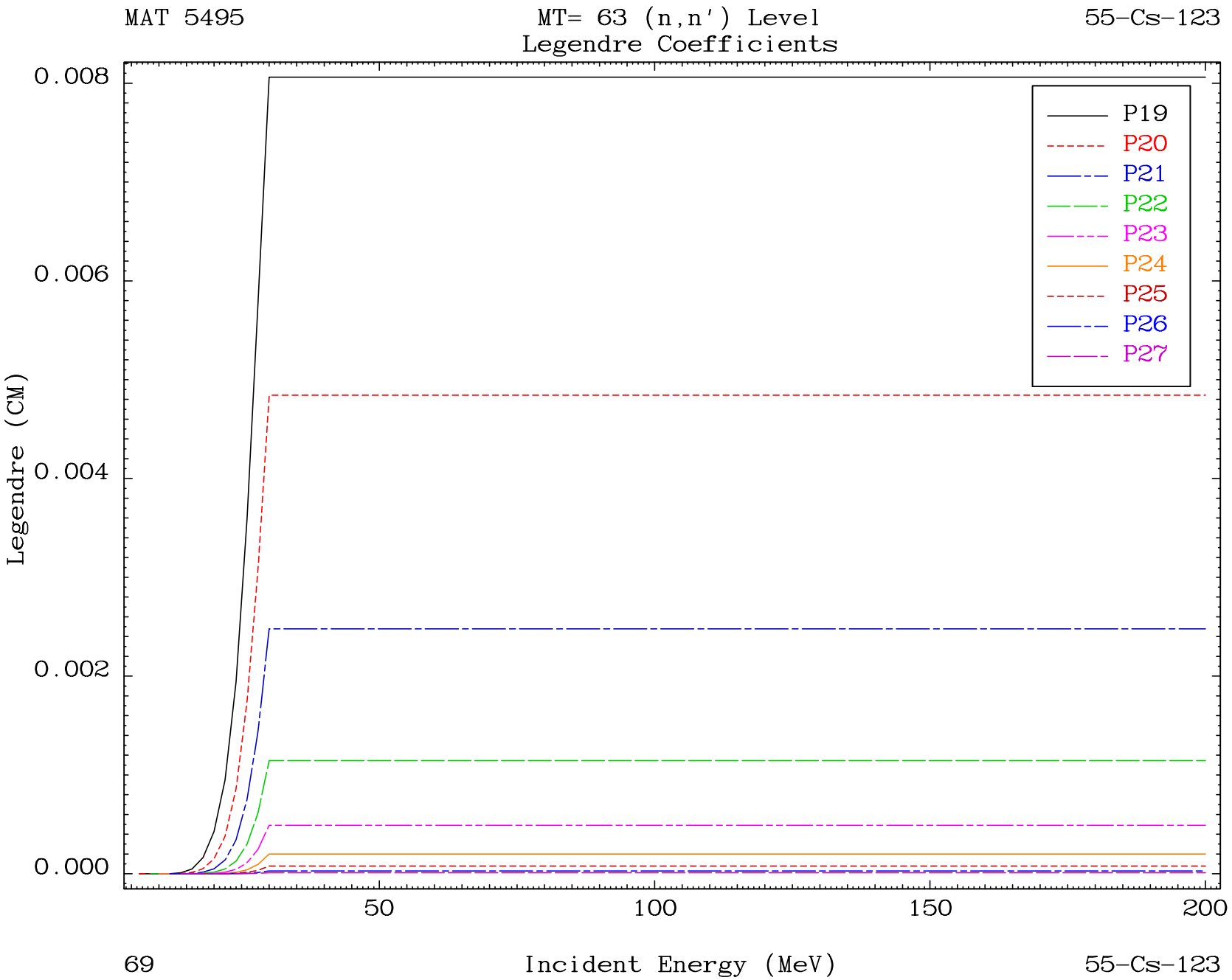

MAT 5495
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
64
Incident Energy (MeV)
55-Cs-123

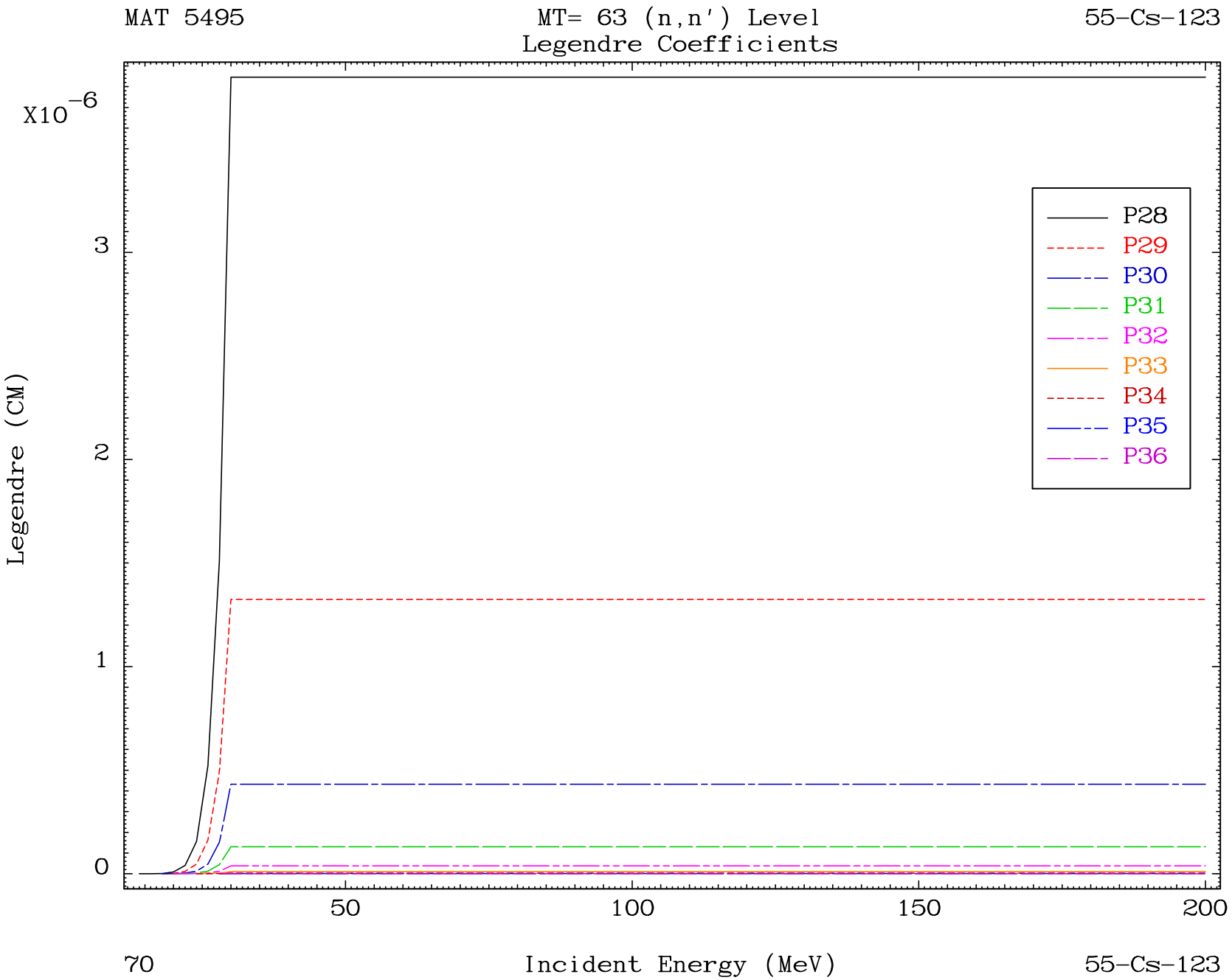

MAT 5495
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
65
Incident Energy (MeV)
55-Cs-123

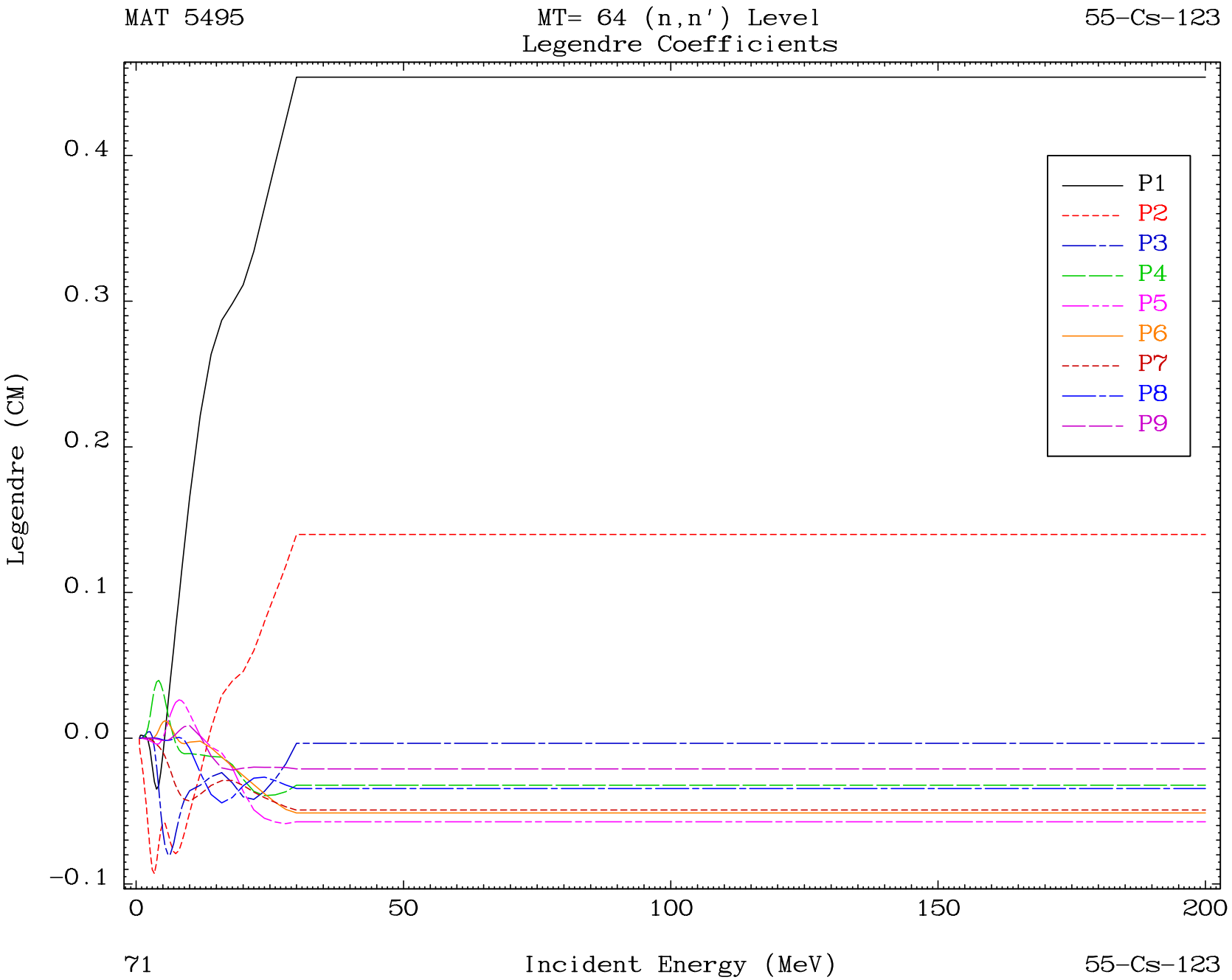

MAT 5495
MT= 62 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
66
Incident Energy (MeV)
55-Cs-123

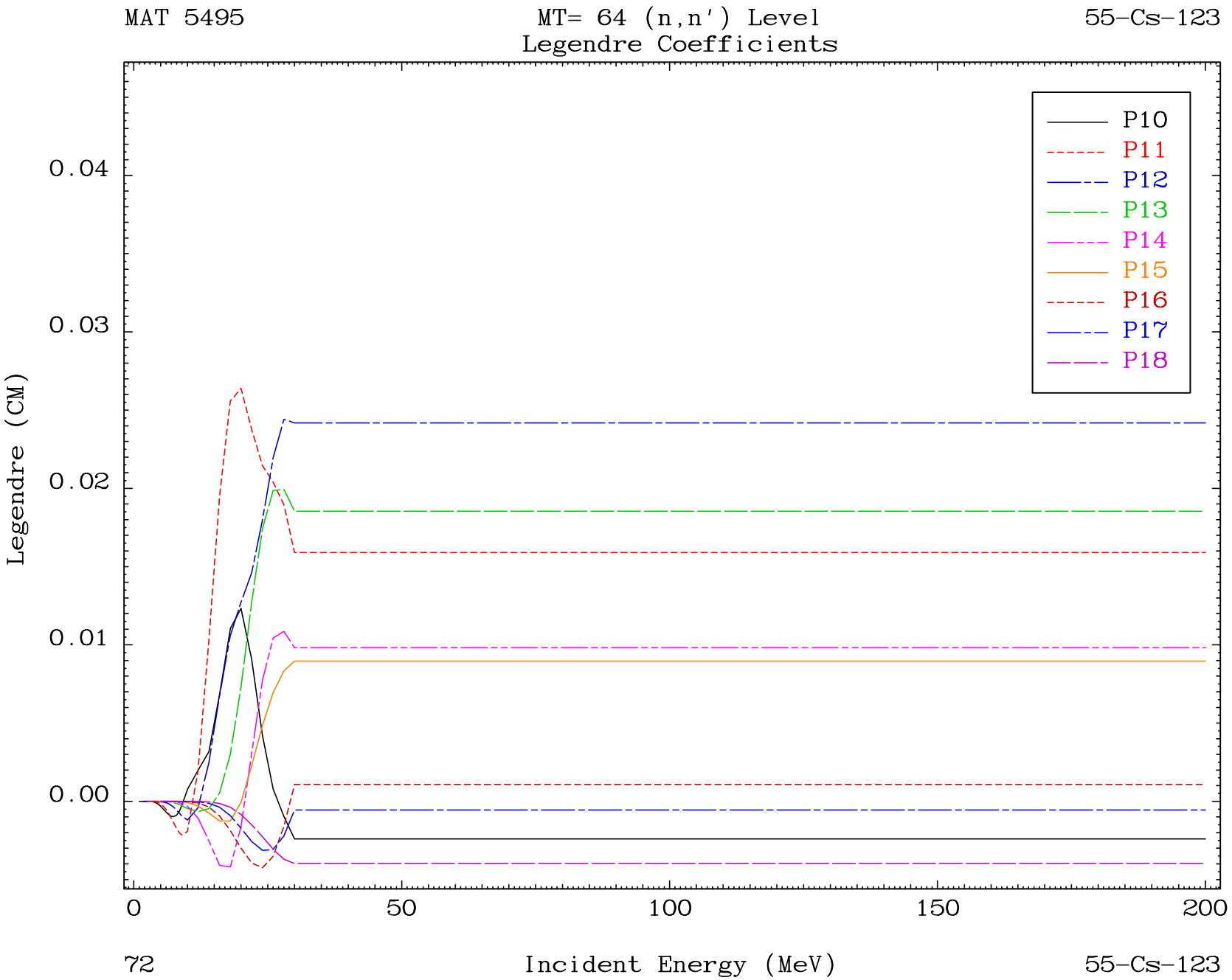

MAT 5495
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
67
Incident Energy (MeV)
55-Cs-123

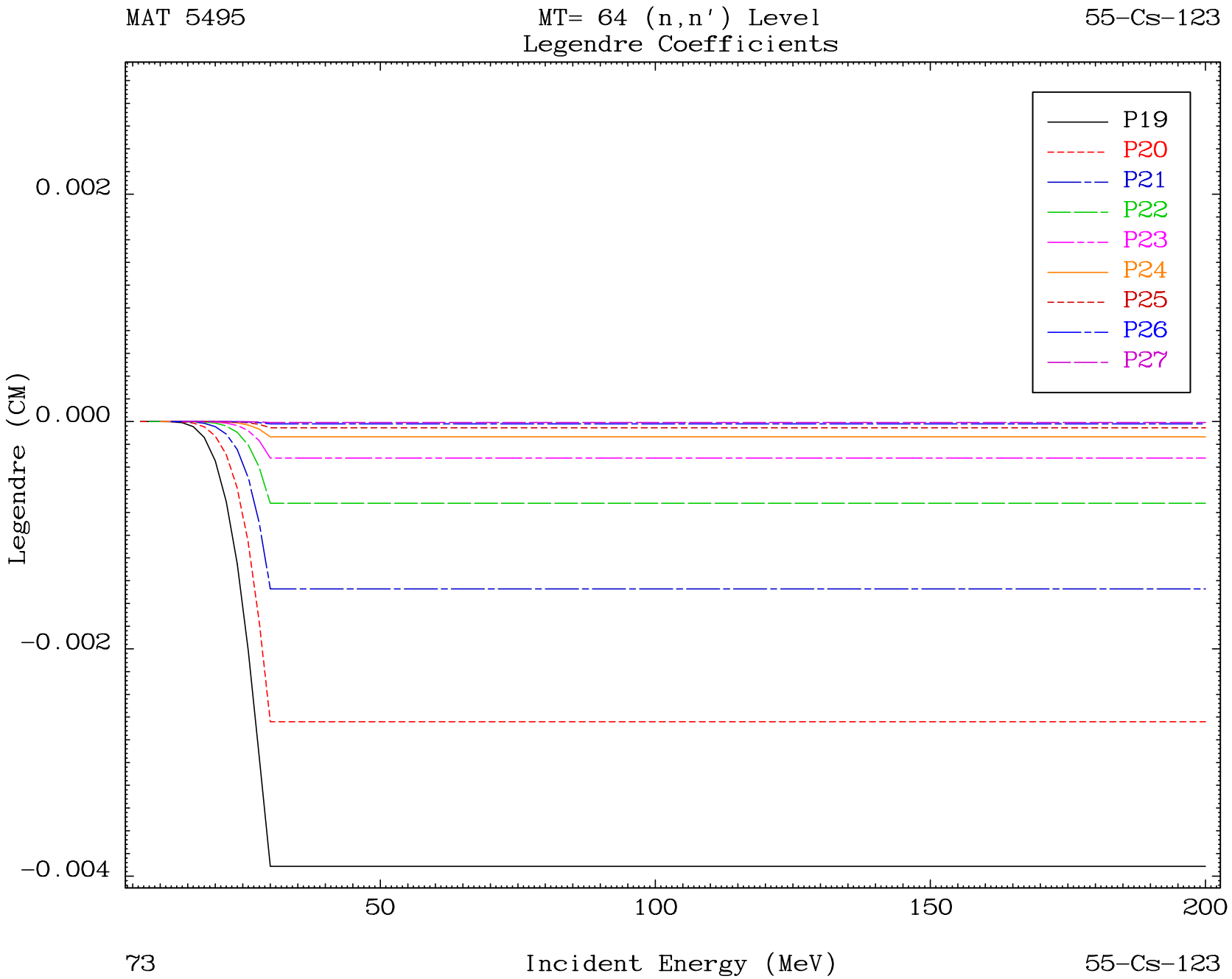

MAT 5495
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
68
Incident Energy (MeV)
55-Cs-123

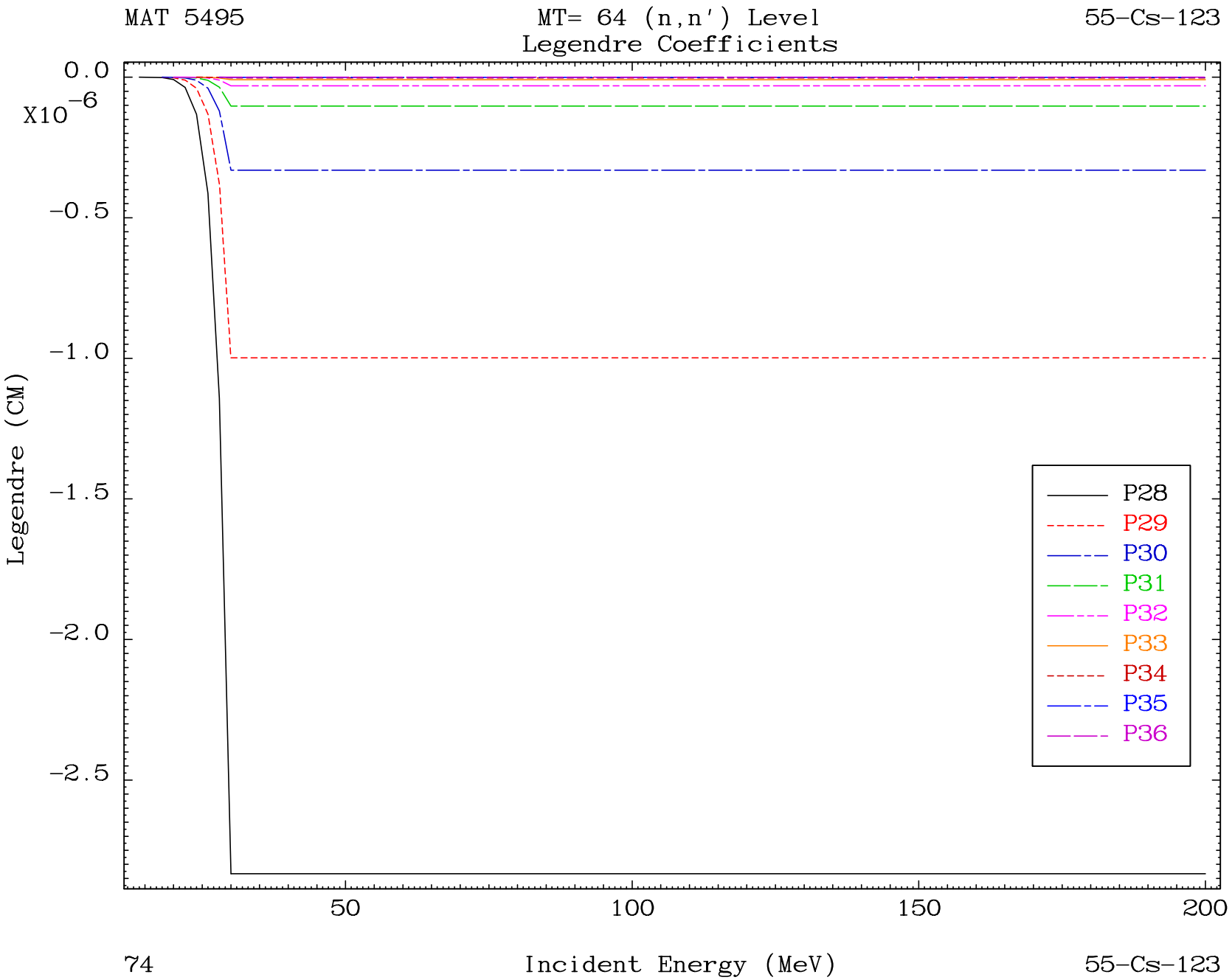

MAT 5495
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
69
Incident Energy (MeV)
55-Cs-123

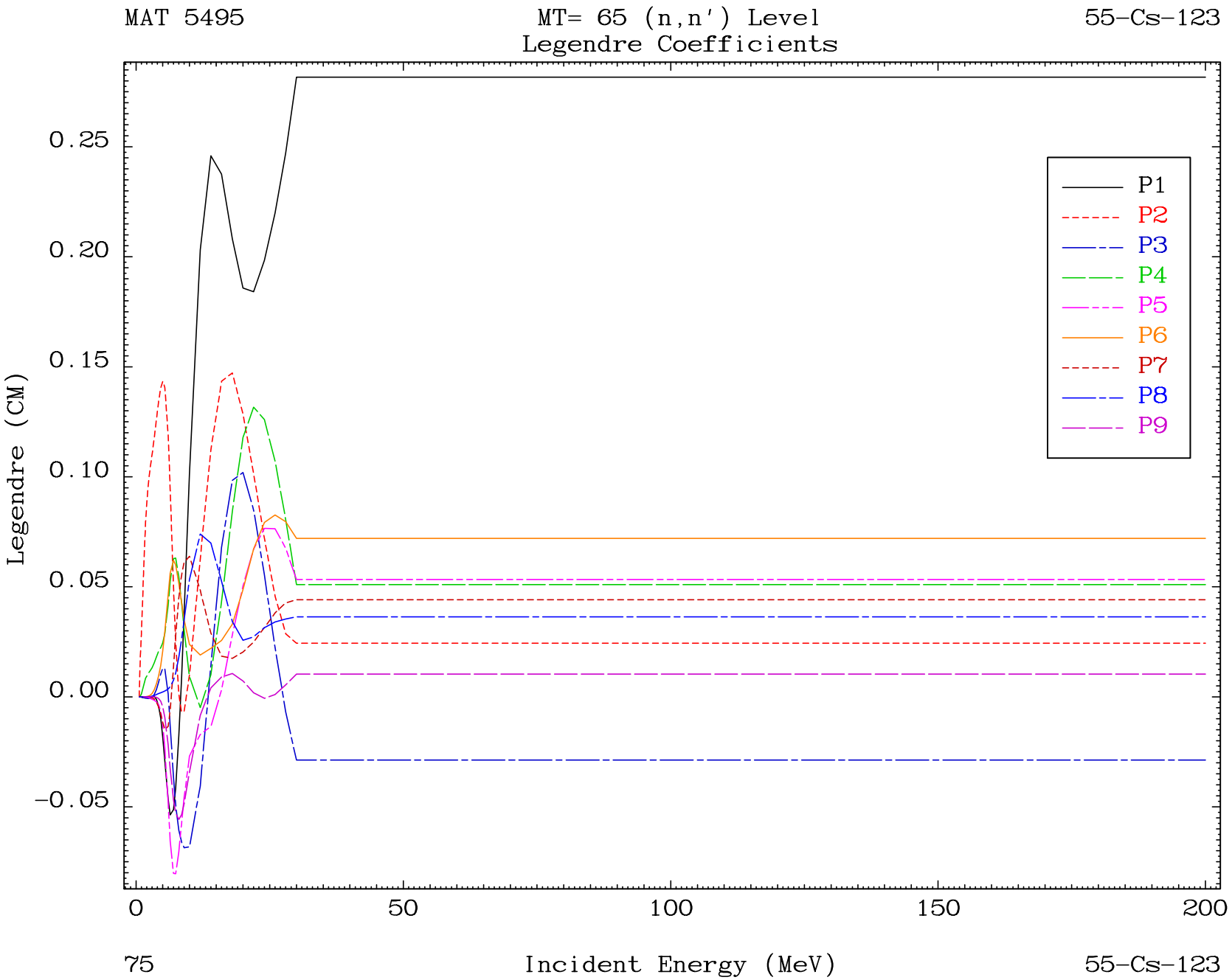

MAT 5495
MT= 63 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
70
Incident Energy (MeV)
55-Cs-123

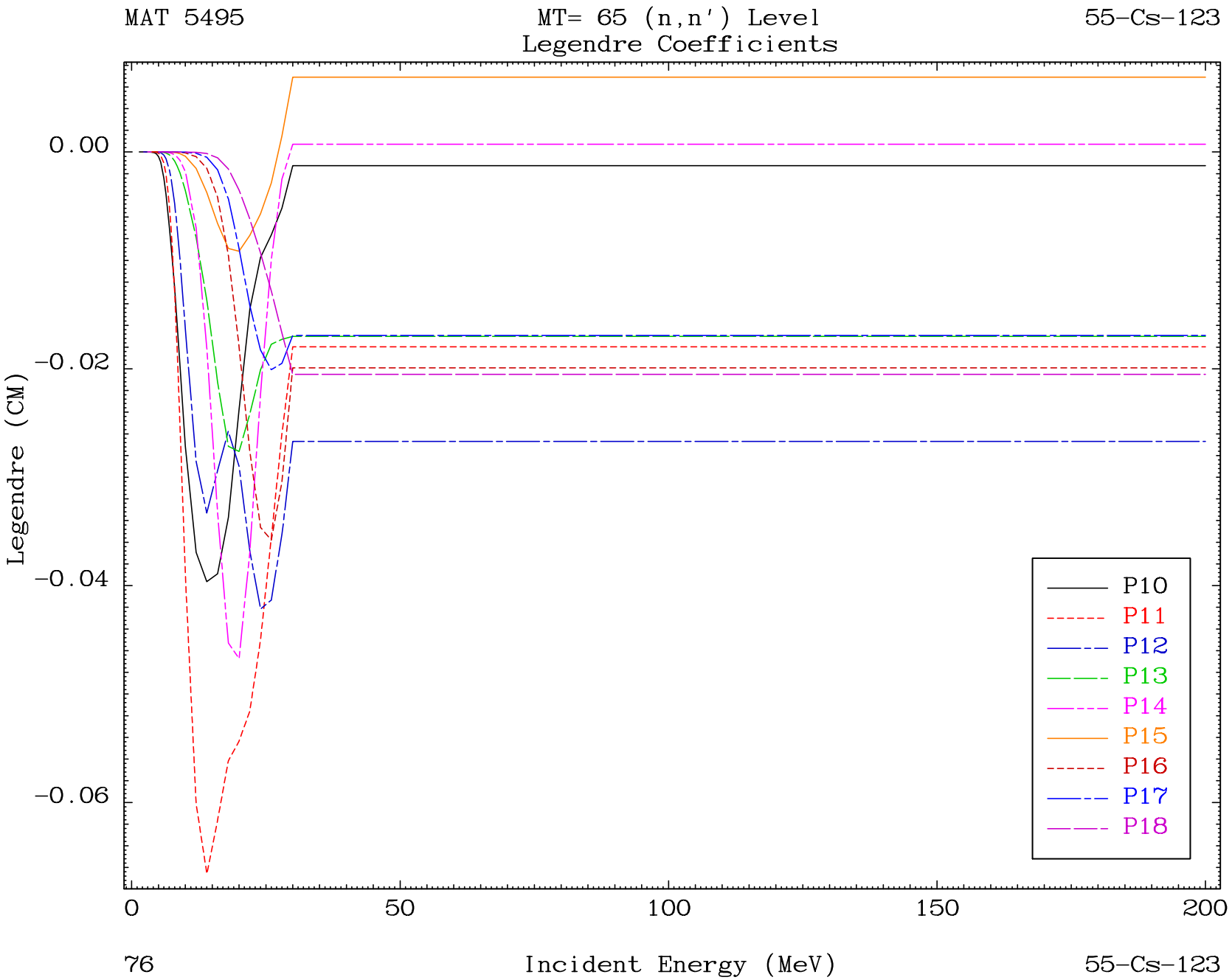

MAT 5495
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
71
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

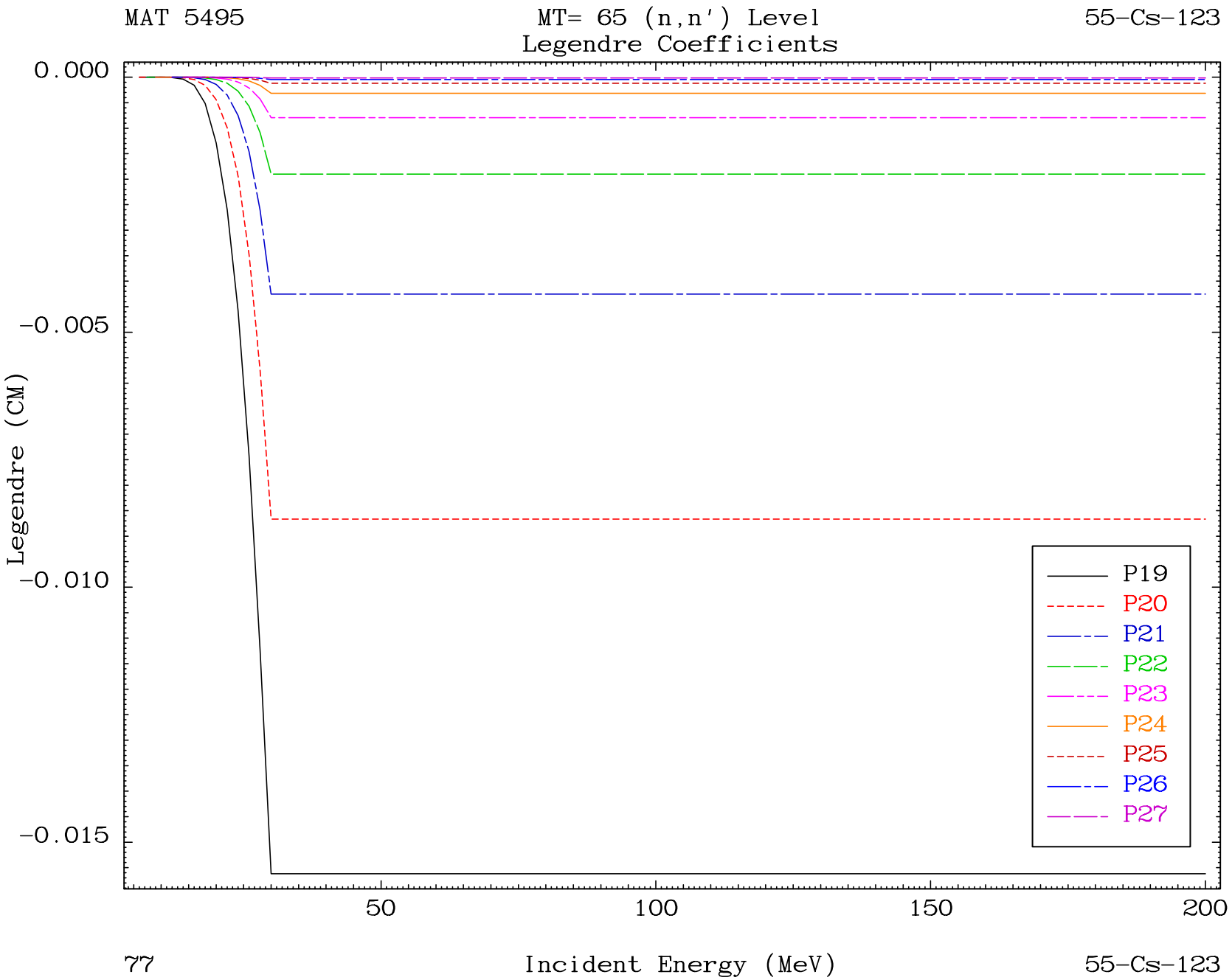

MAT 5495
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
72
Incident Energy (MeV)
55-Cs-123

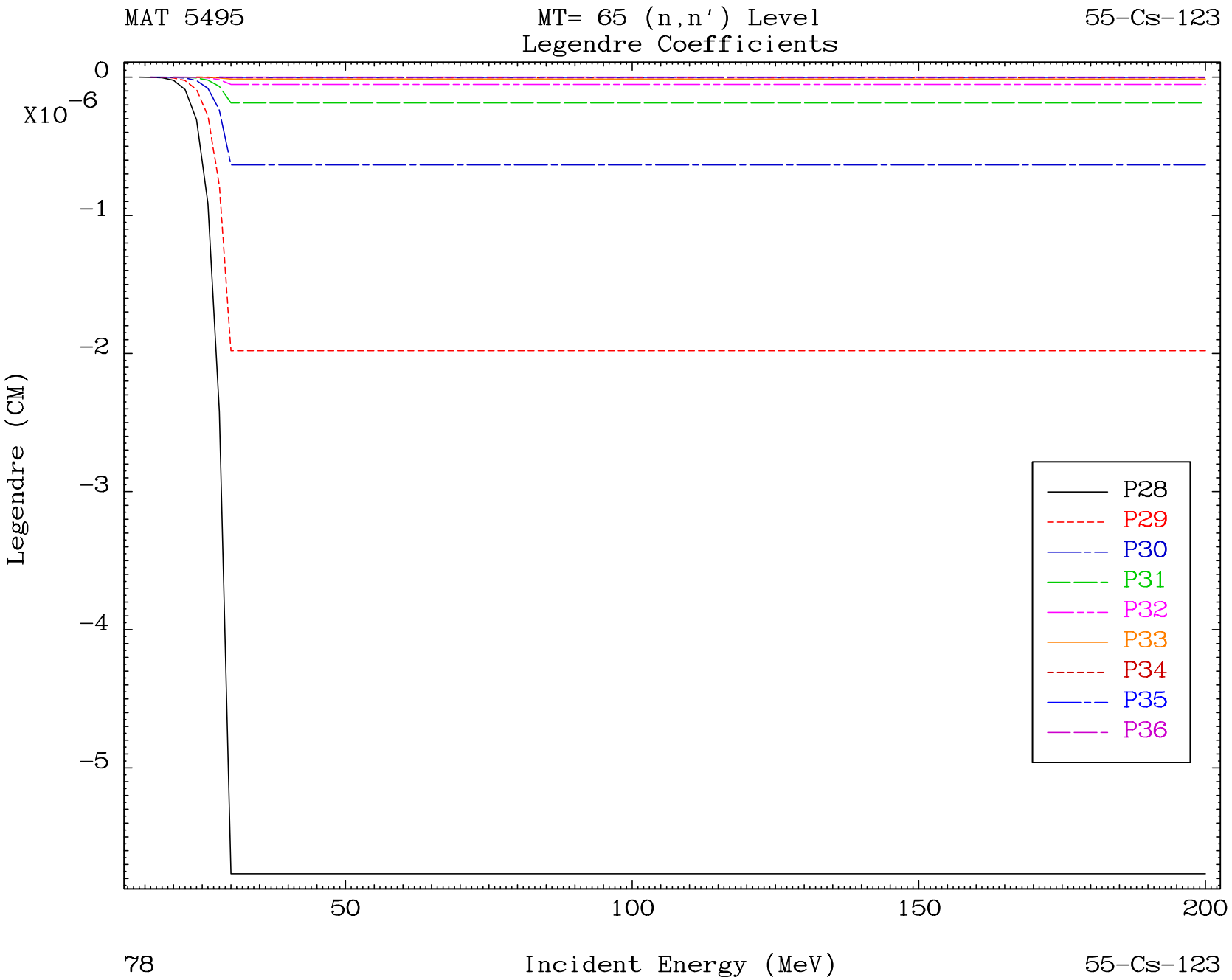

MAT 5495
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
55-Cs-123

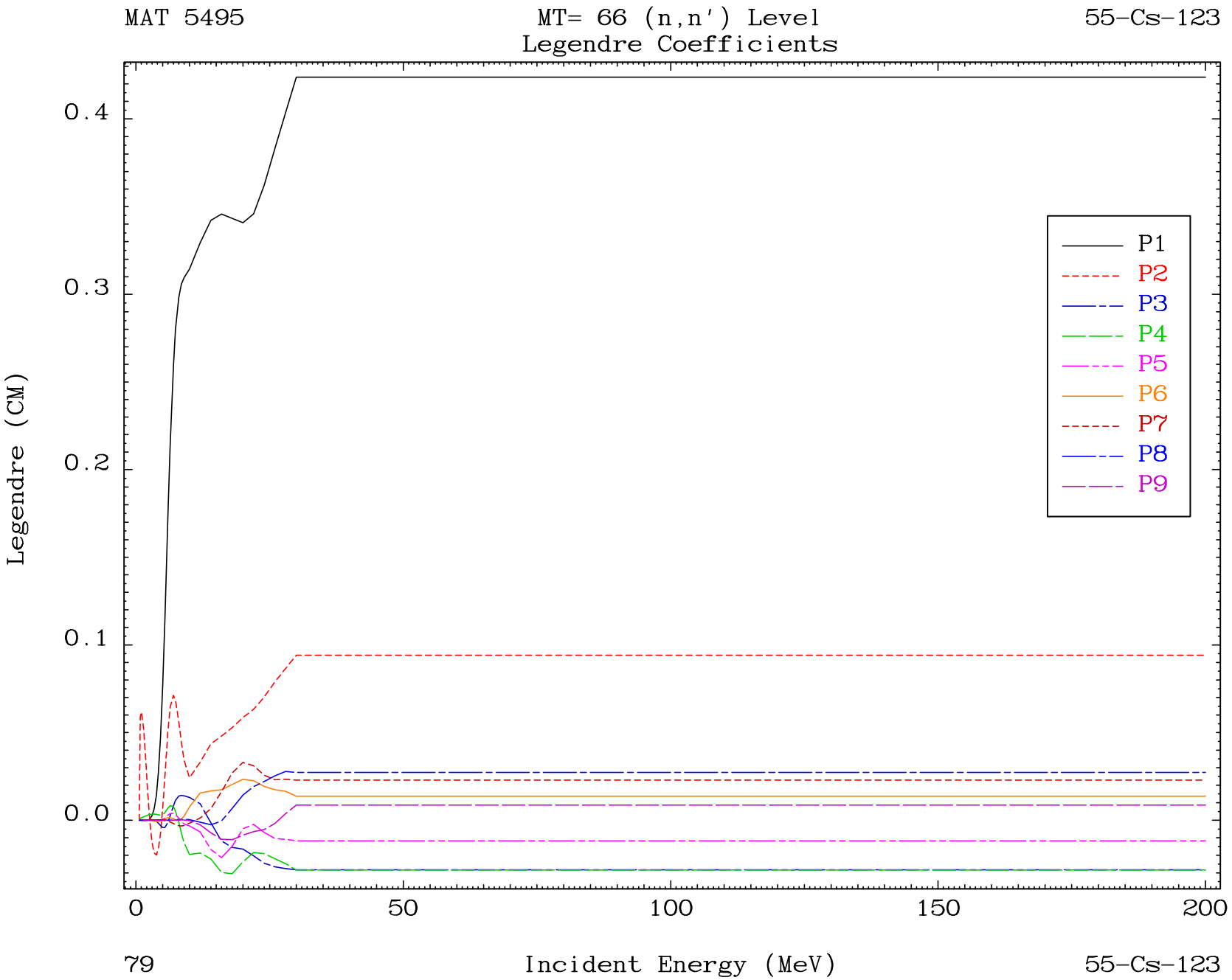

MAT 5495
MT= 64 (n,n') Level
Legendre Coefficients
55-Cs-123
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

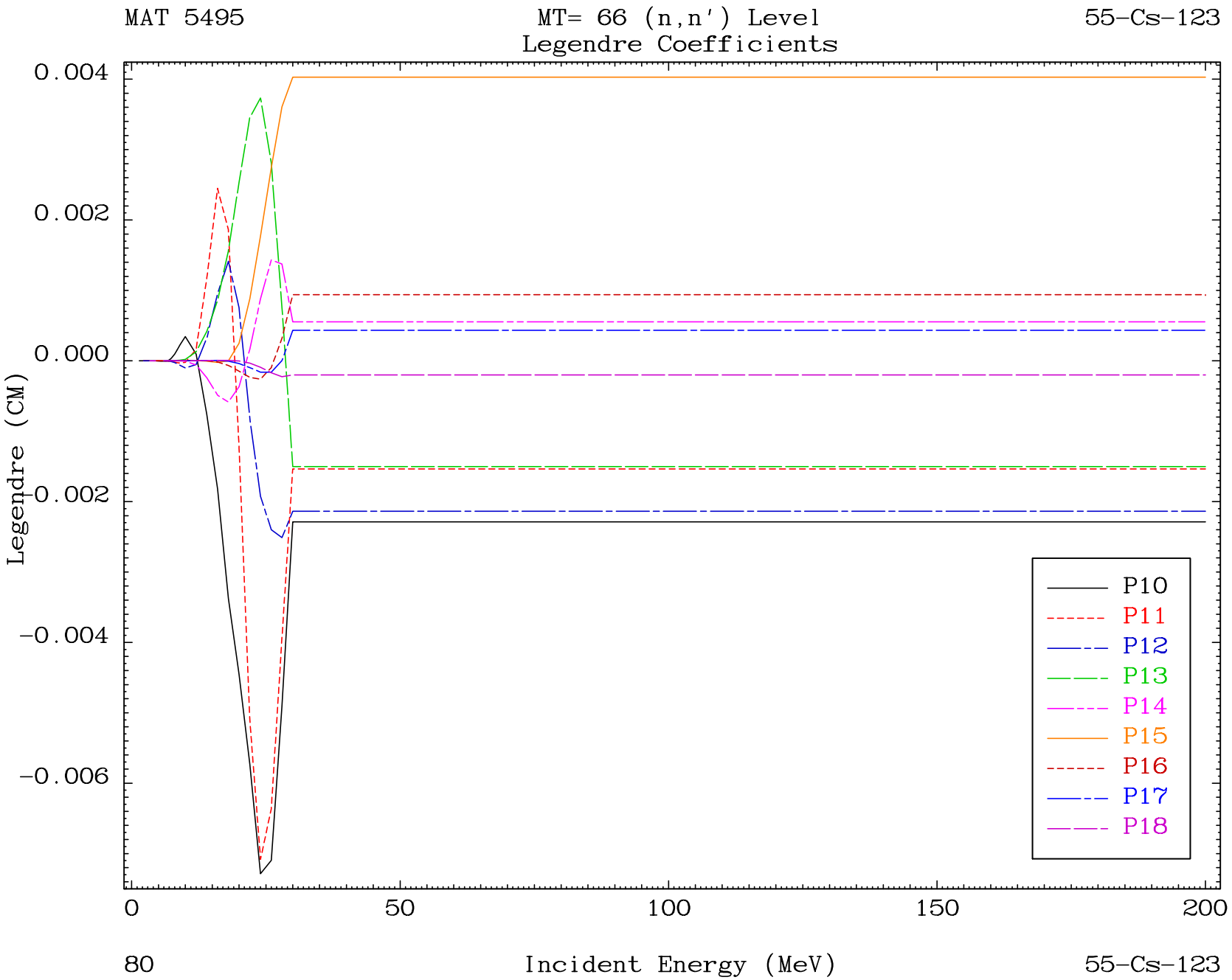

MAT 5495
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-123
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
75
Incident Energy (MeV)
55-Cs-123

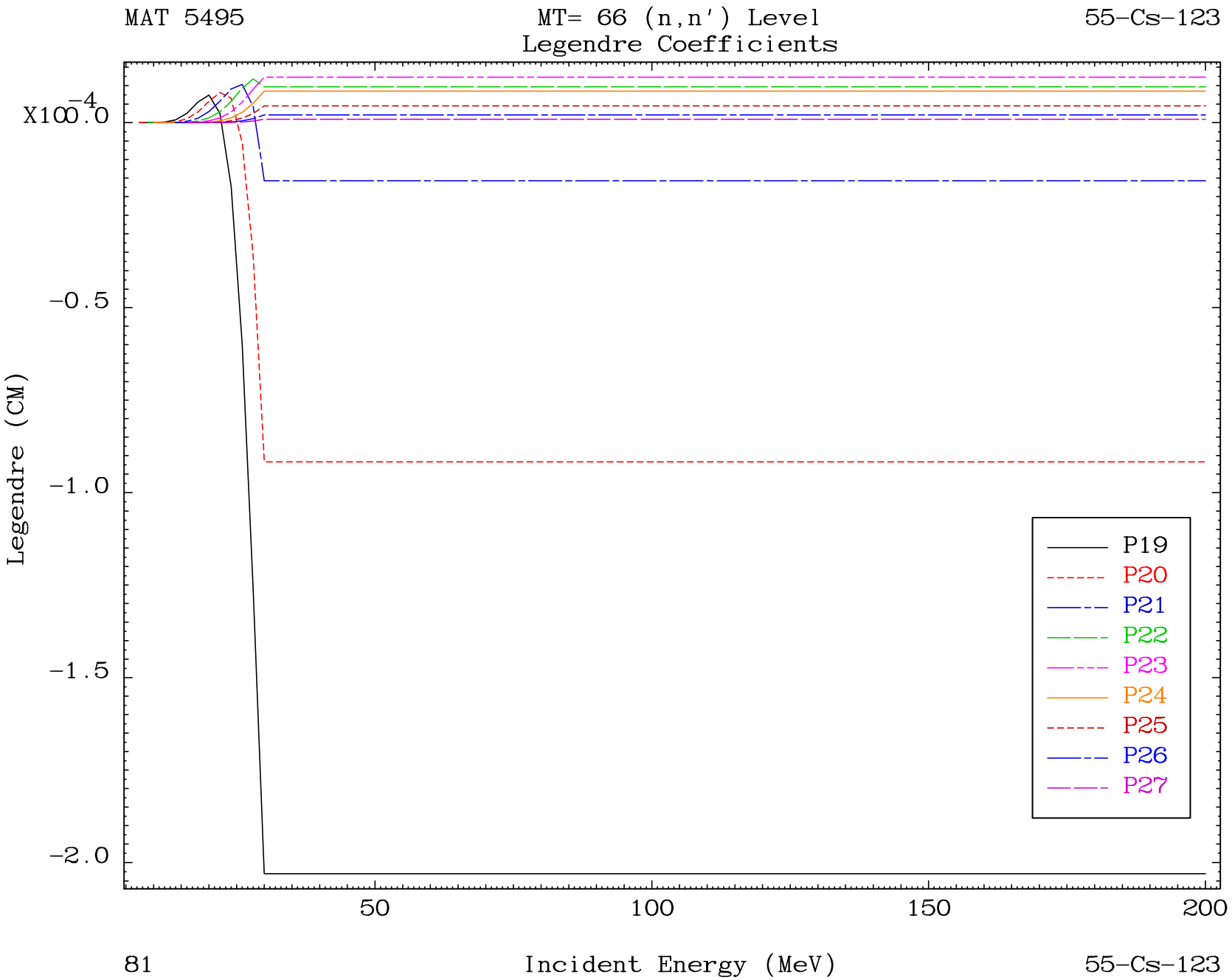

MAT 5495
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-123
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
76
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

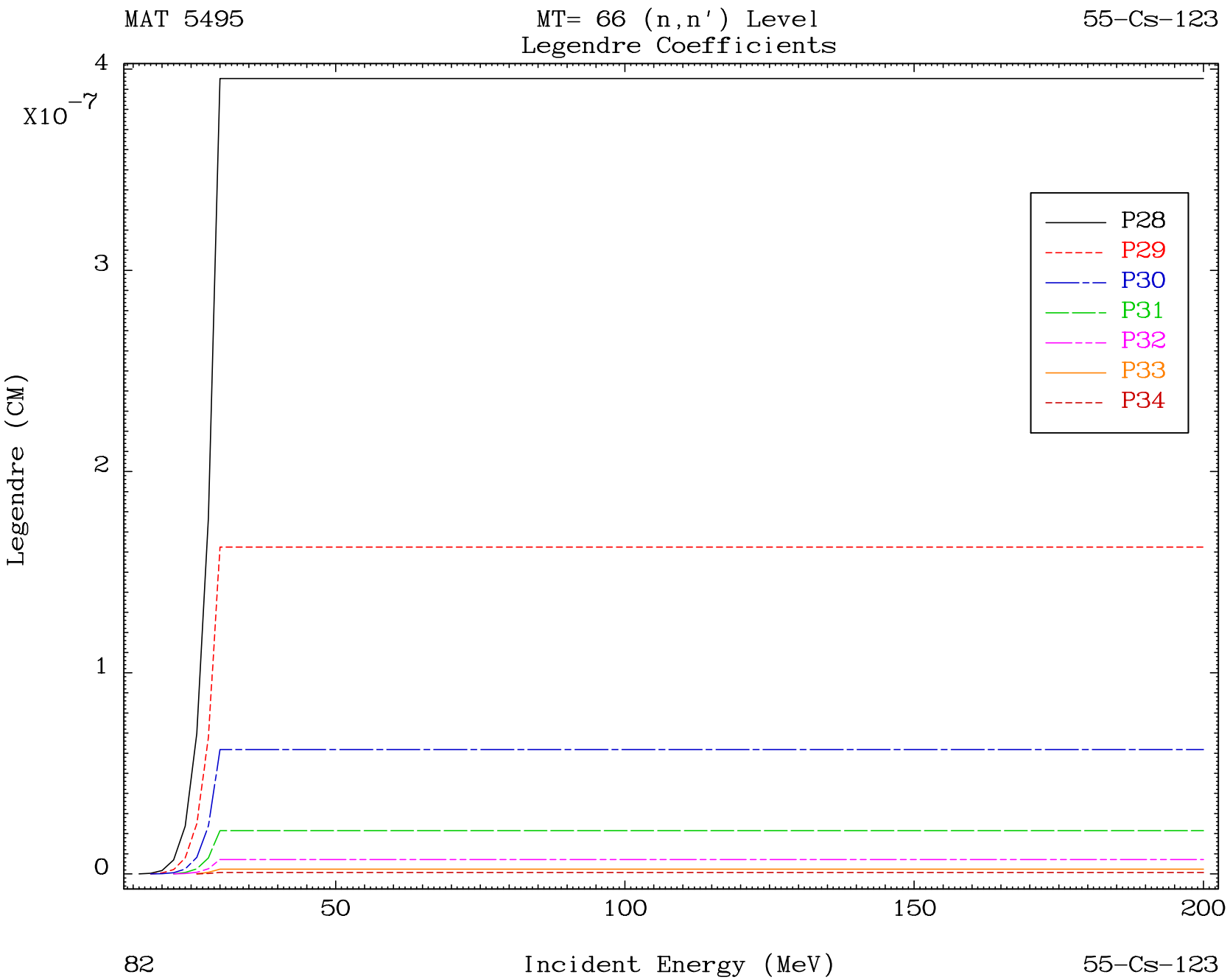

MAT 5495
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-123
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

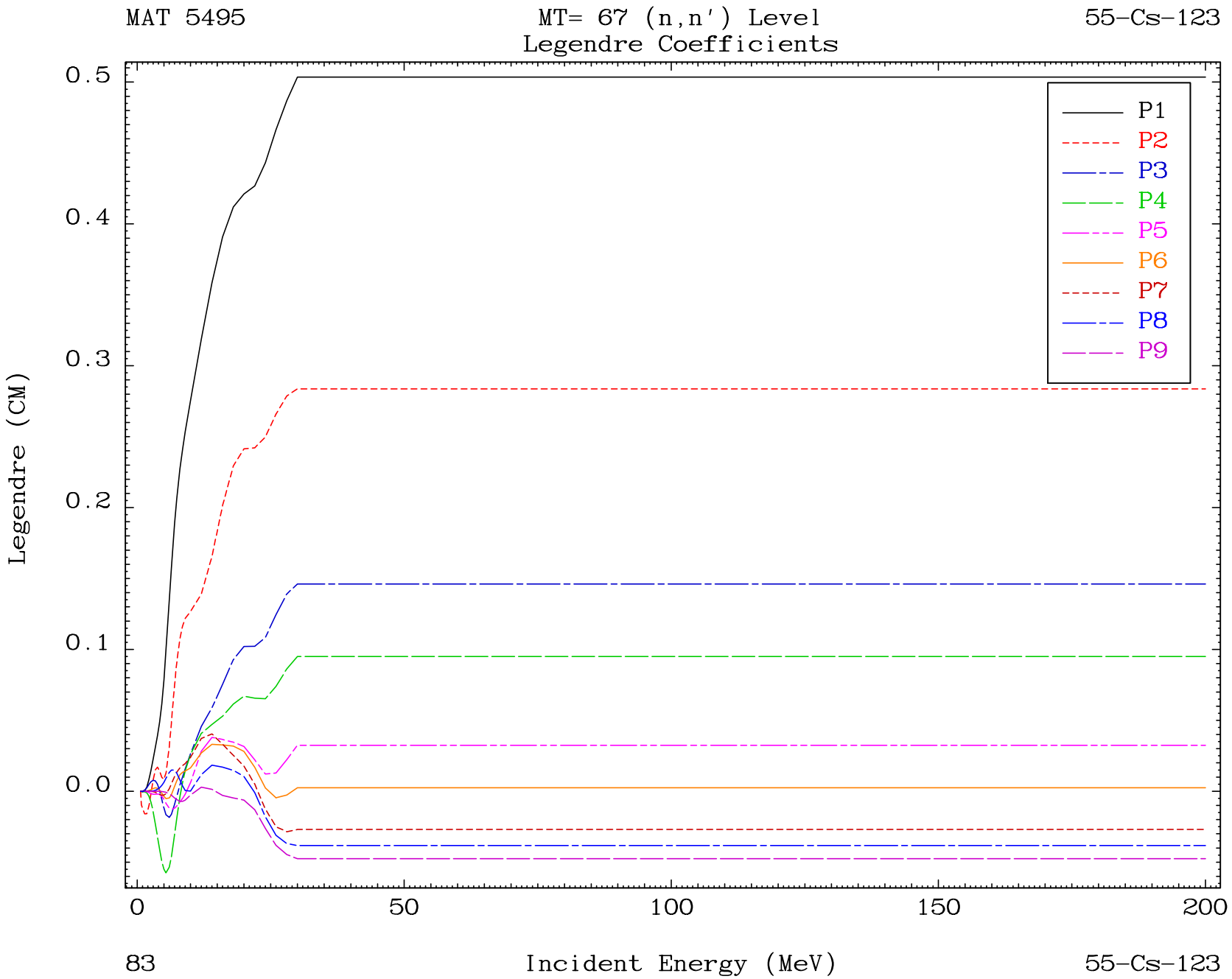

MAT 5495
MT= 65 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10 −6
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

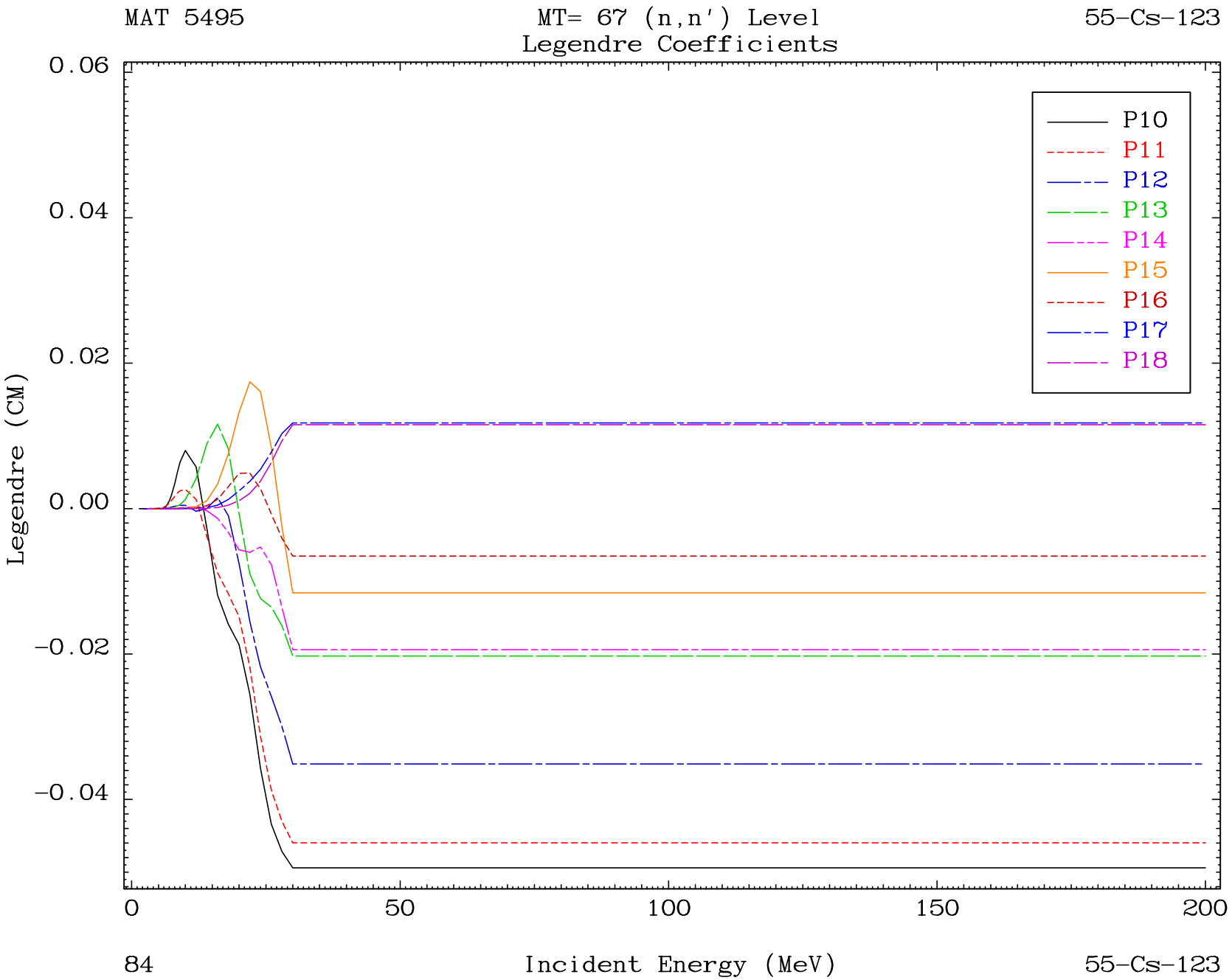

MAT 5495
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
79
Incident Energy (MeV)
55-Cs-123

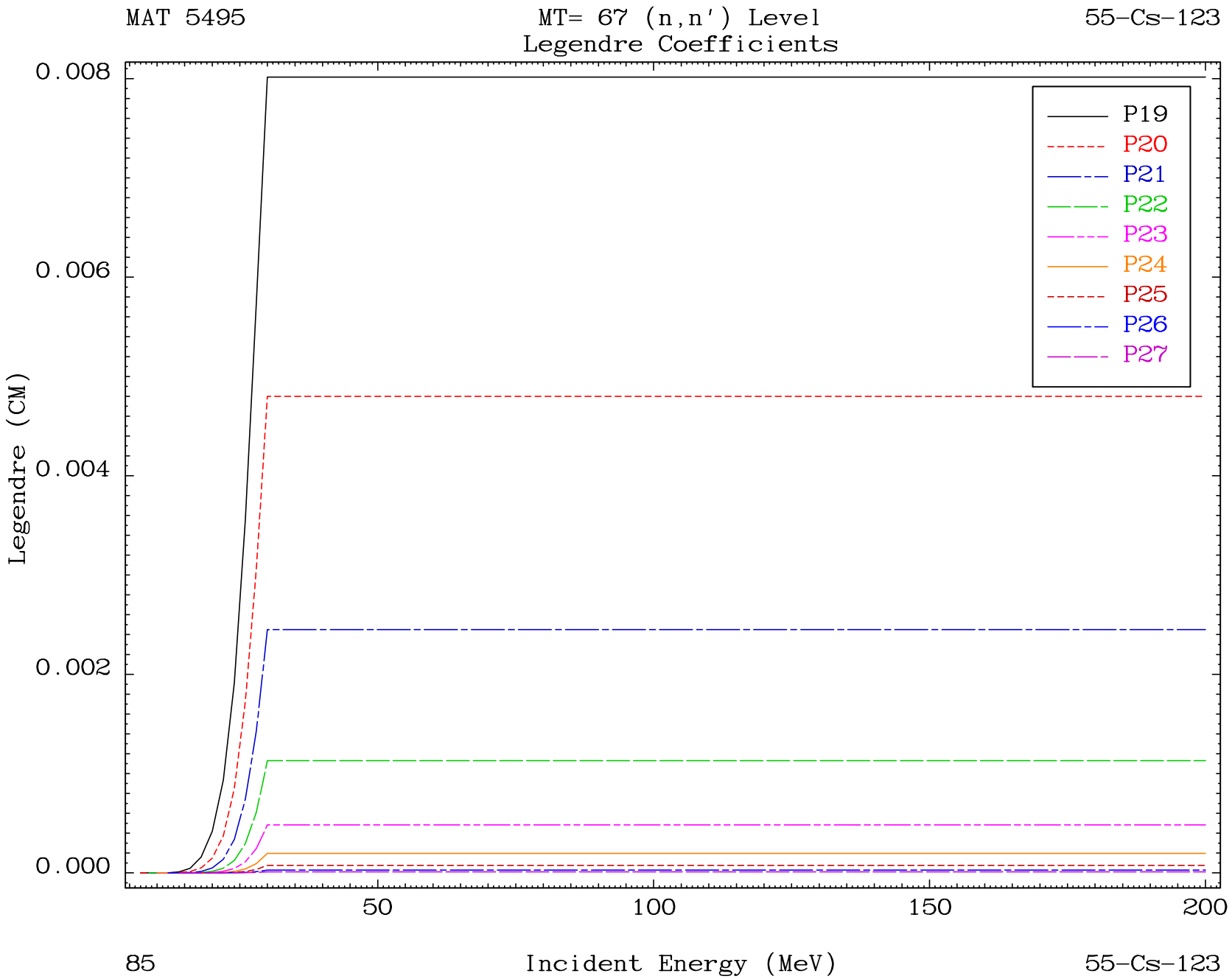

MAT 5495
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-123
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
0
50
100
150
200
80
Incident Energy (MeV)
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

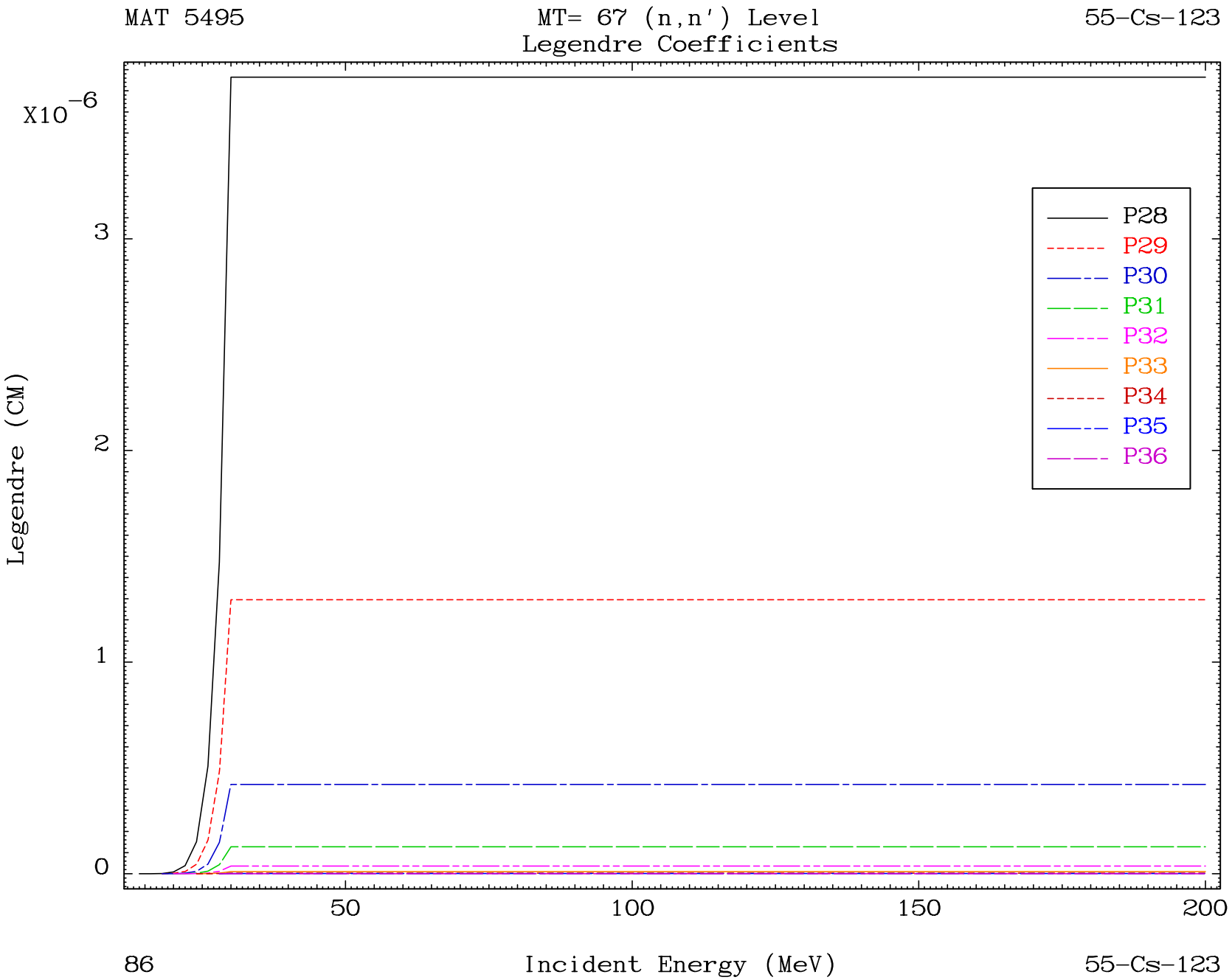

MAT 5495
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

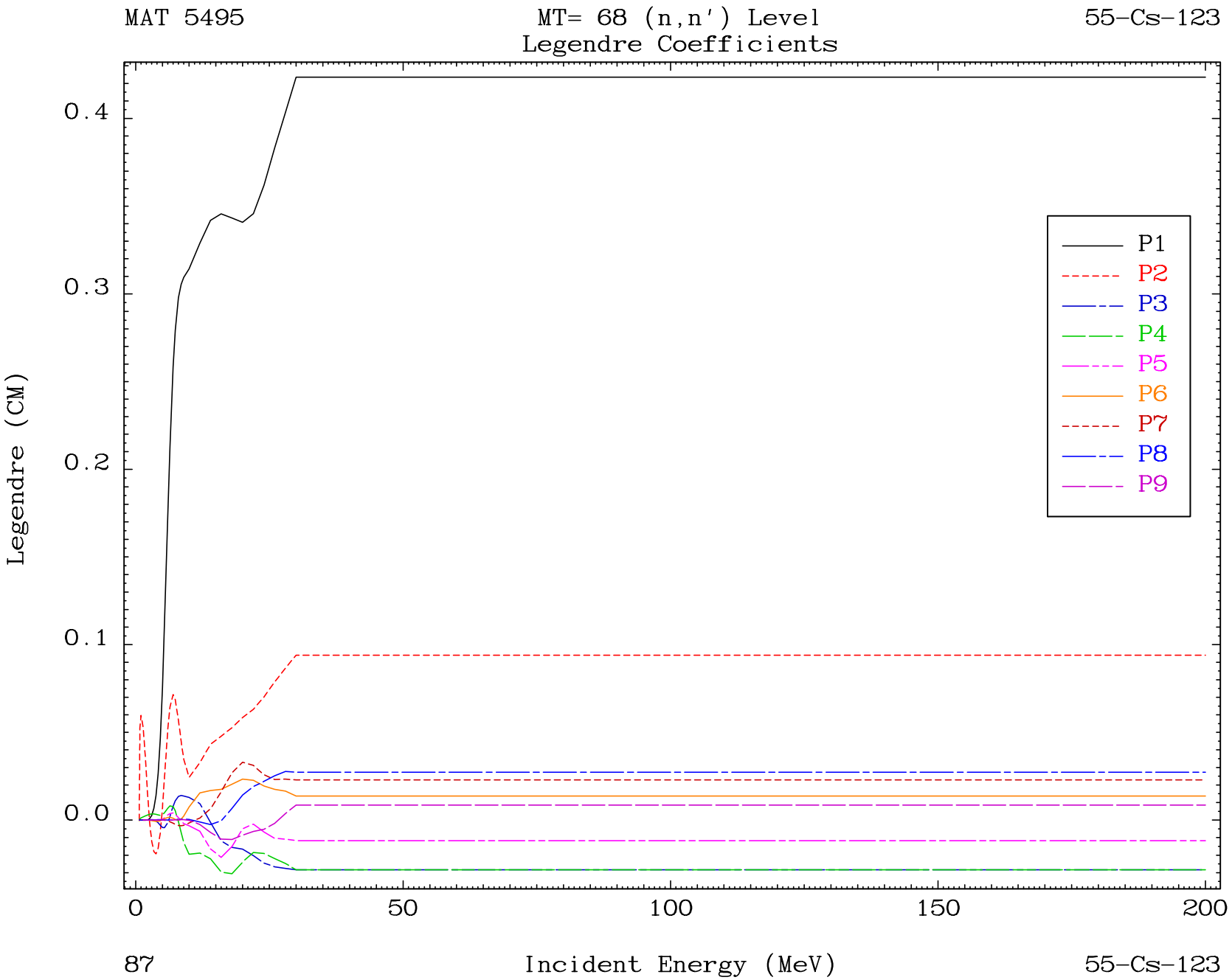

MAT 5495
MT= 66 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
82
Incident Energy (MeV)
55-Cs-123

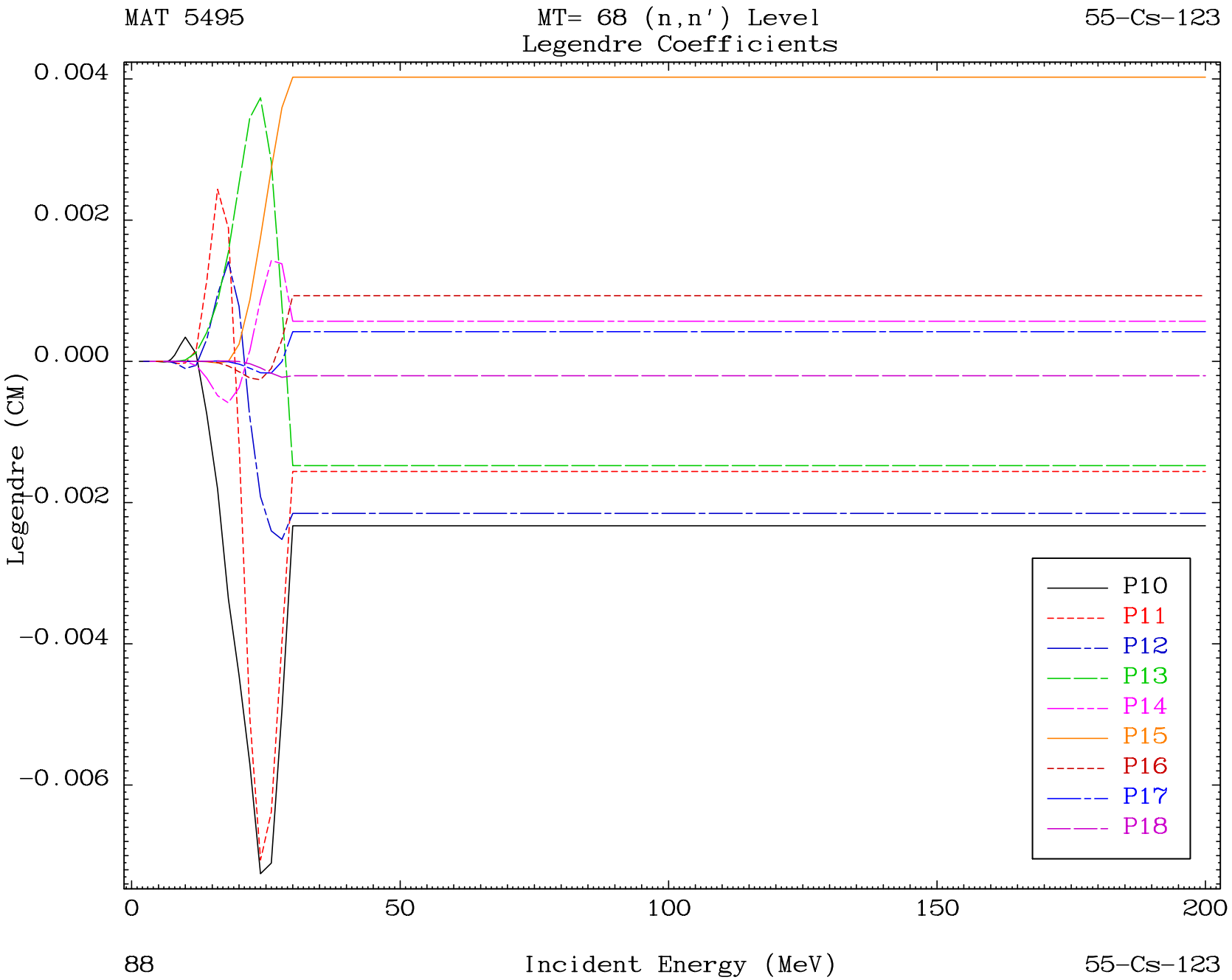

MAT 5495
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-123
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
83
Incident Energy (MeV)
55-Cs-123

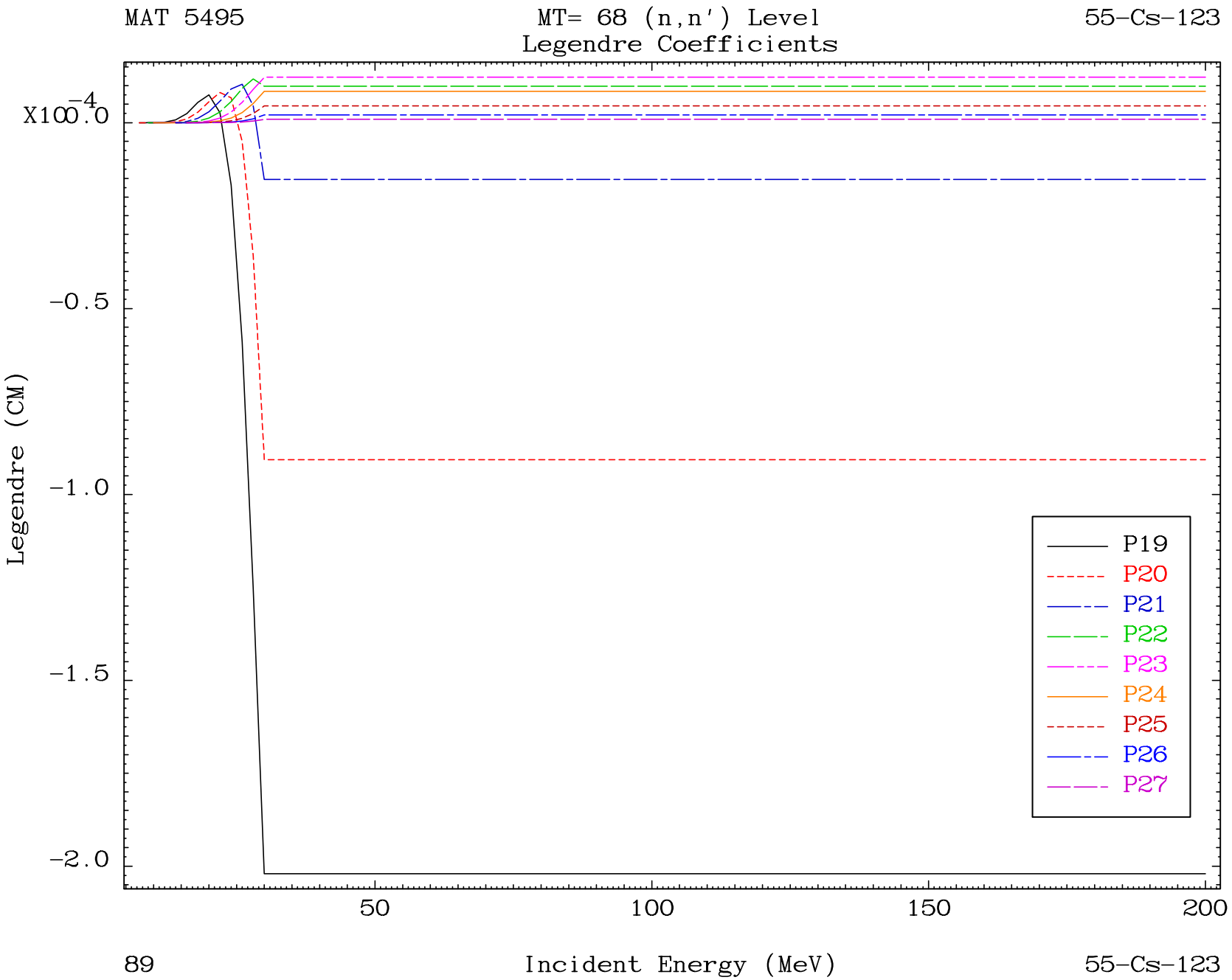

MAT 5495
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
84
Incident Energy (MeV)
55-Cs-123

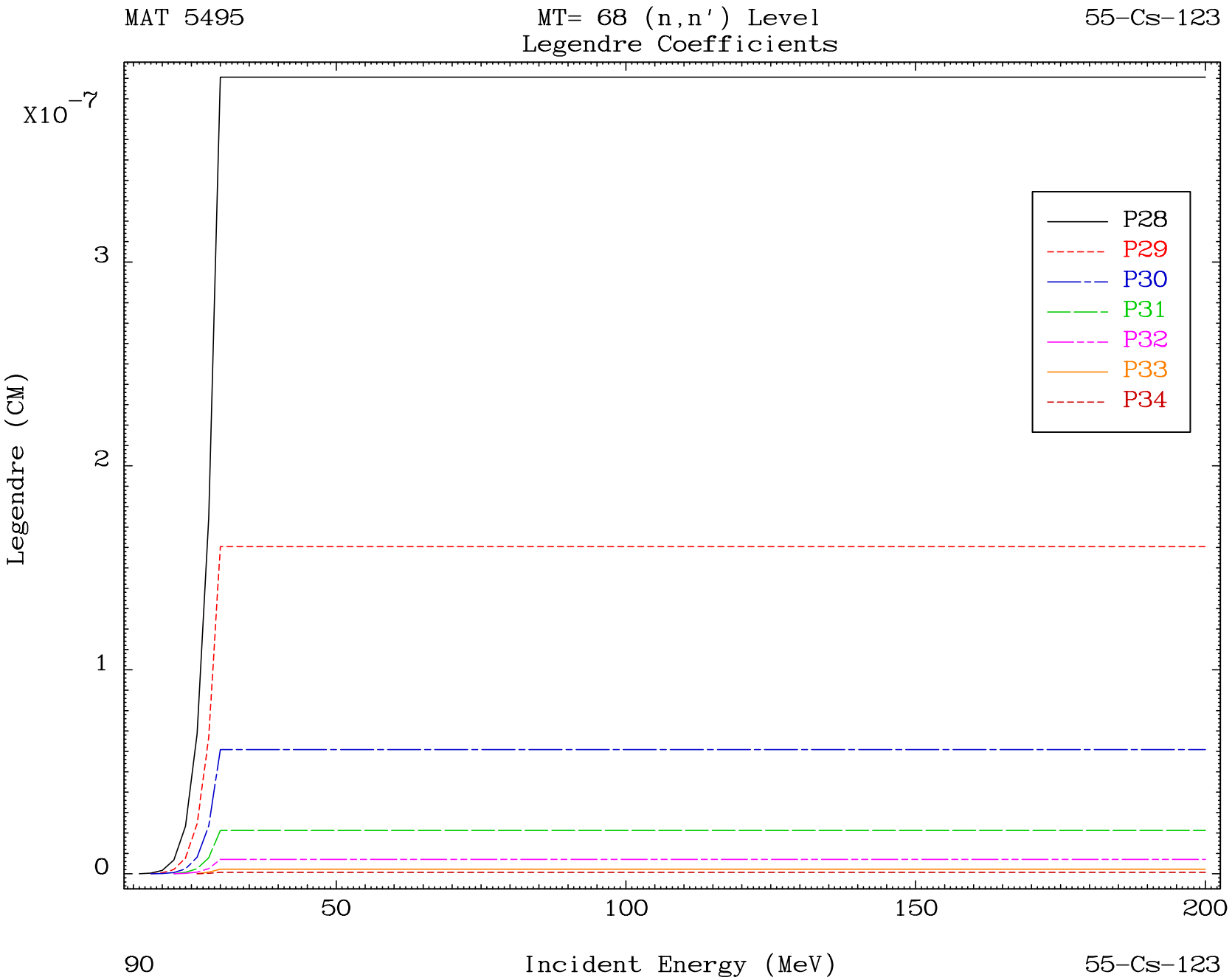

MAT 5495
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
85
Incident Energy (MeV)
55-Cs-123

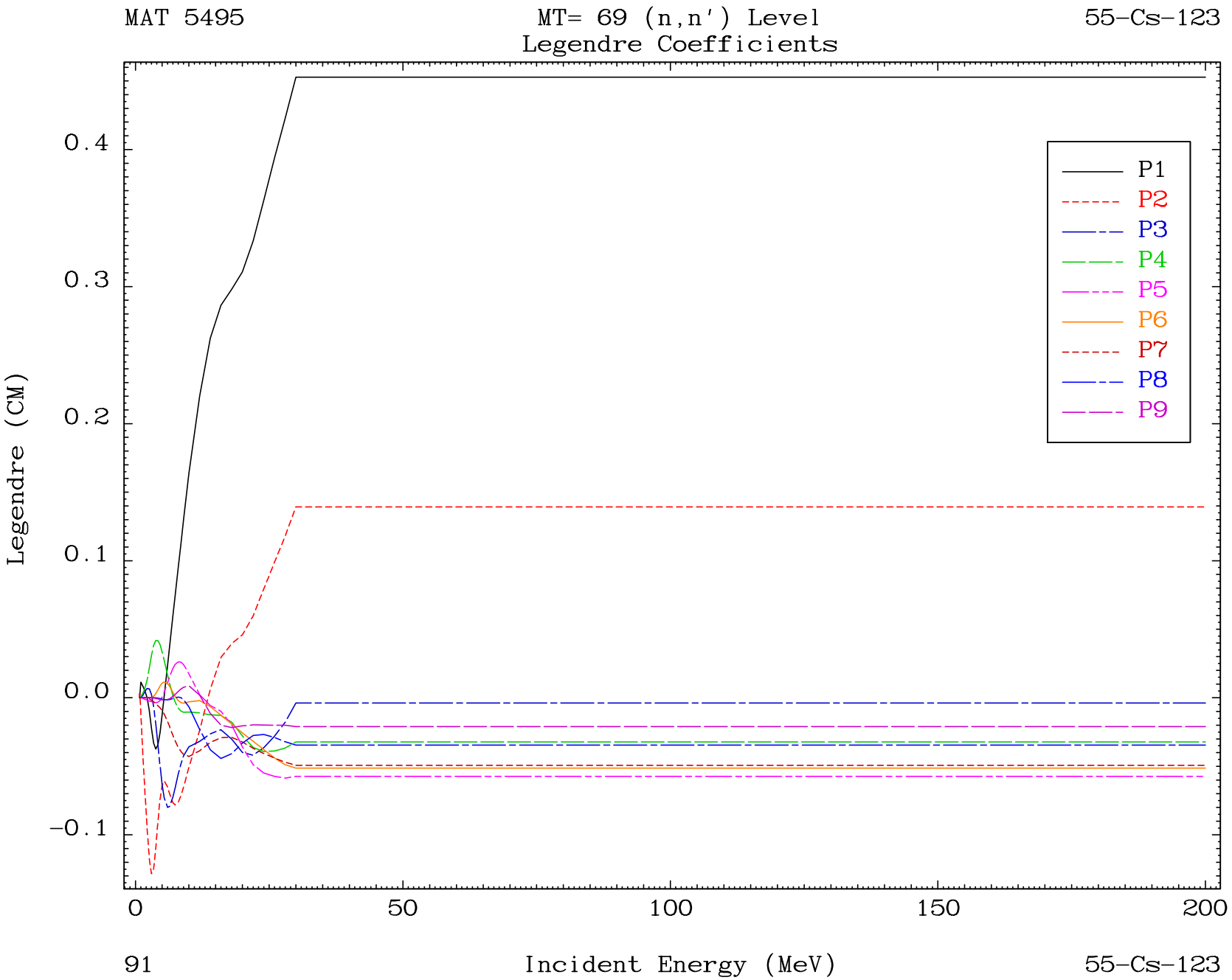

MAT 5495
MT= 67 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
86
Incident Energy (MeV)
55-Cs-123

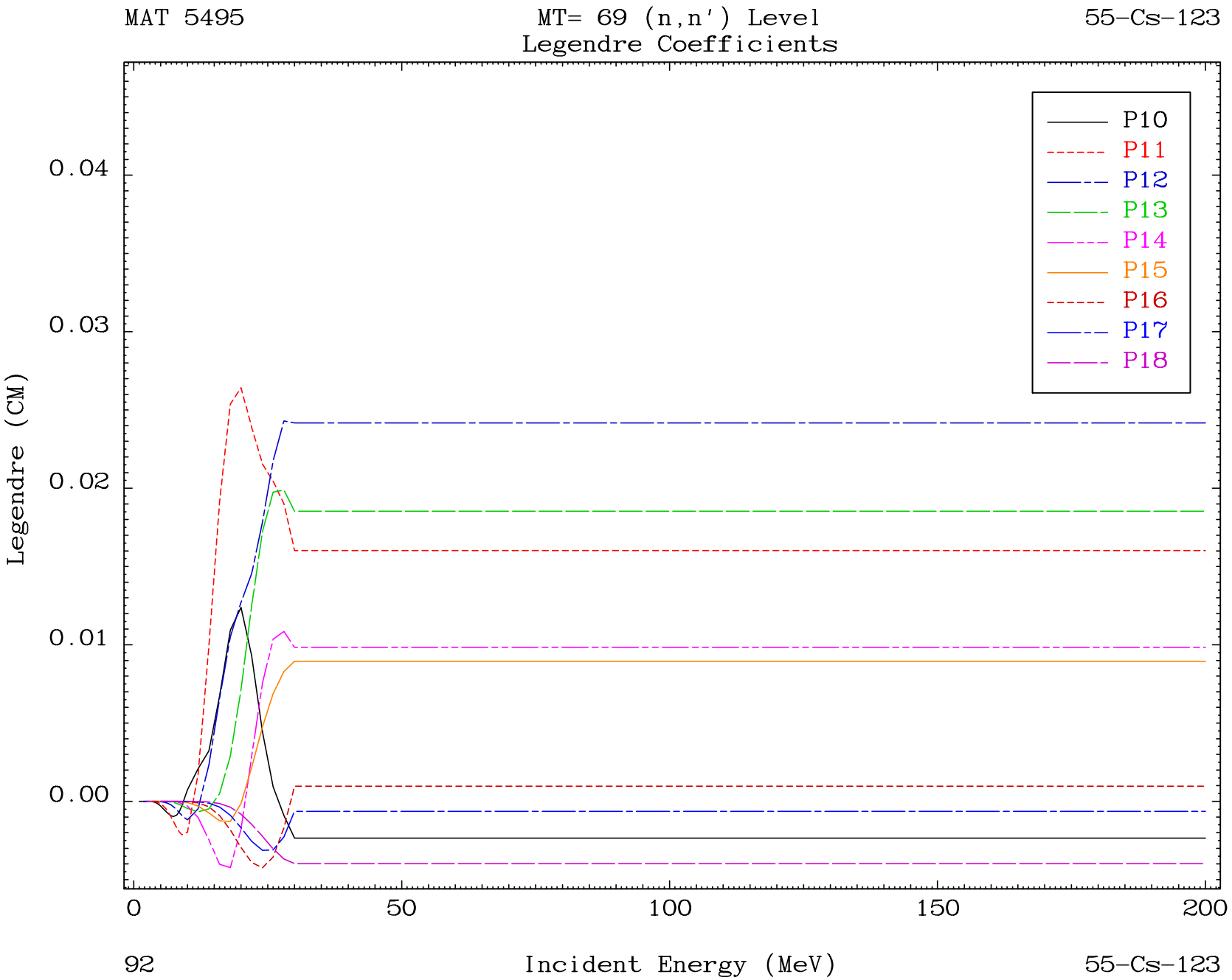

MAT 5495
MT= 68 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
87
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

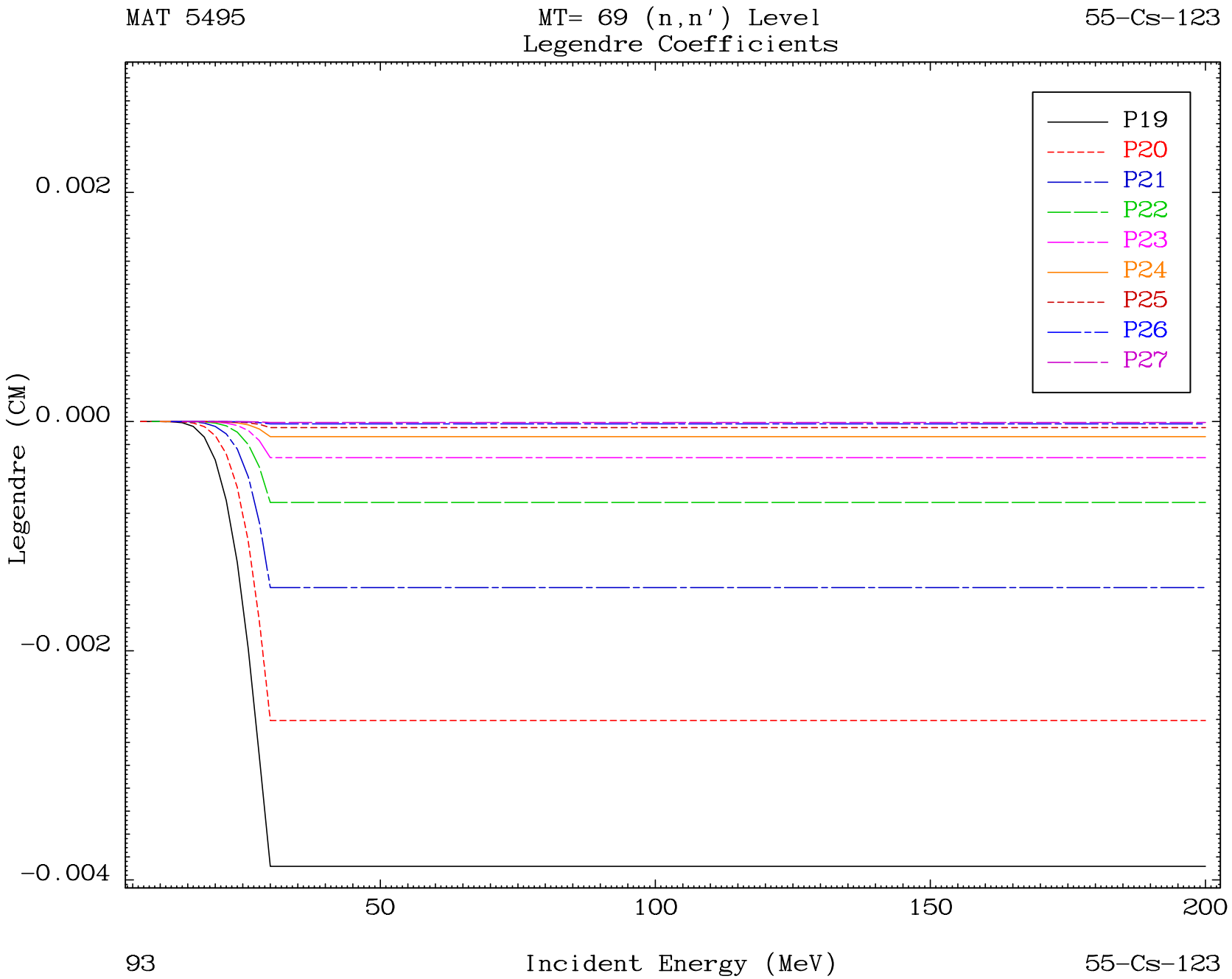

MAT 5495
MT= 68 (n,n') Level
Legendre Coefficients
55-Cs-123
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
0
50
100
150
200
88
Incident Energy (MeV)
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

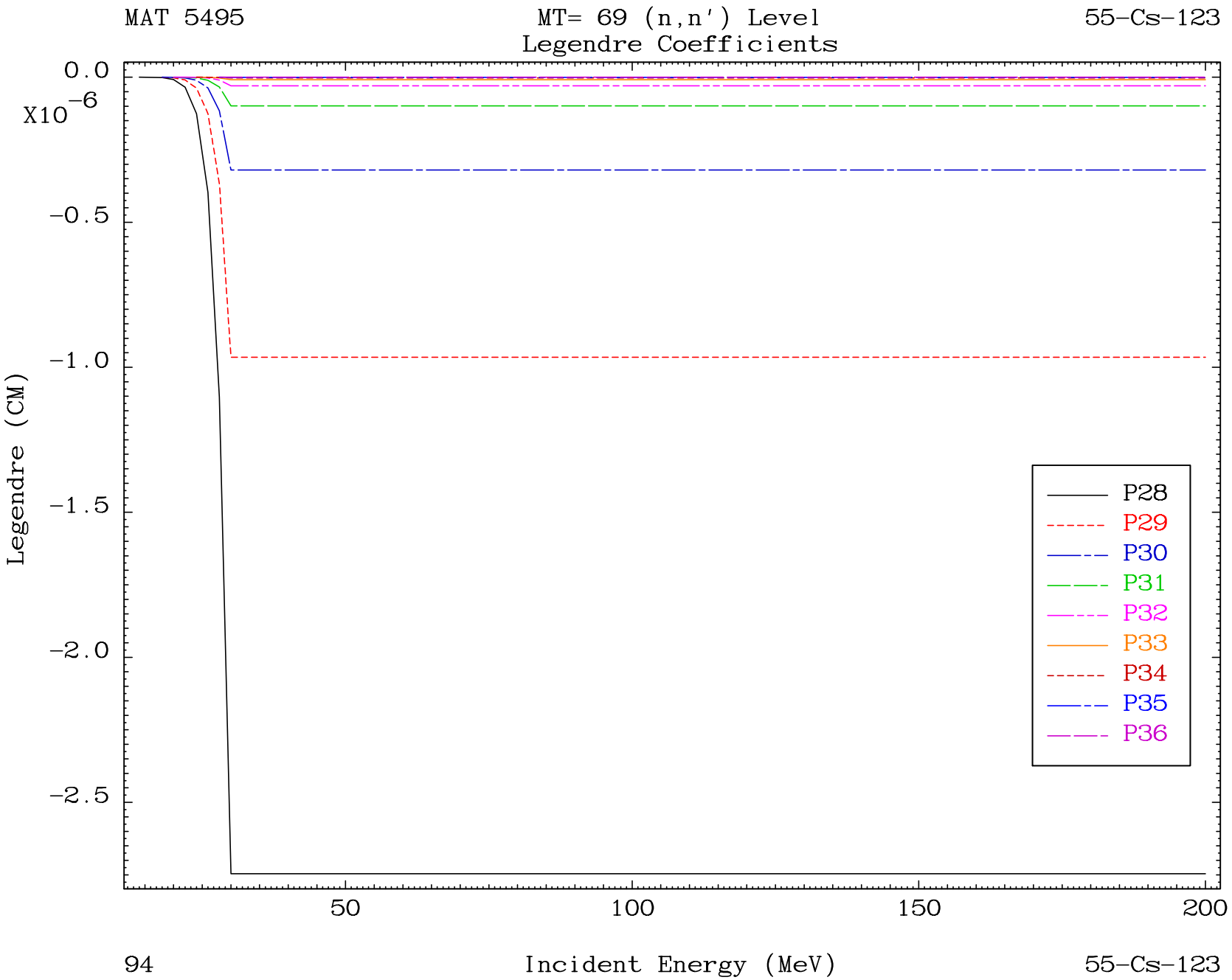

MAT 5495
MT= 68 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

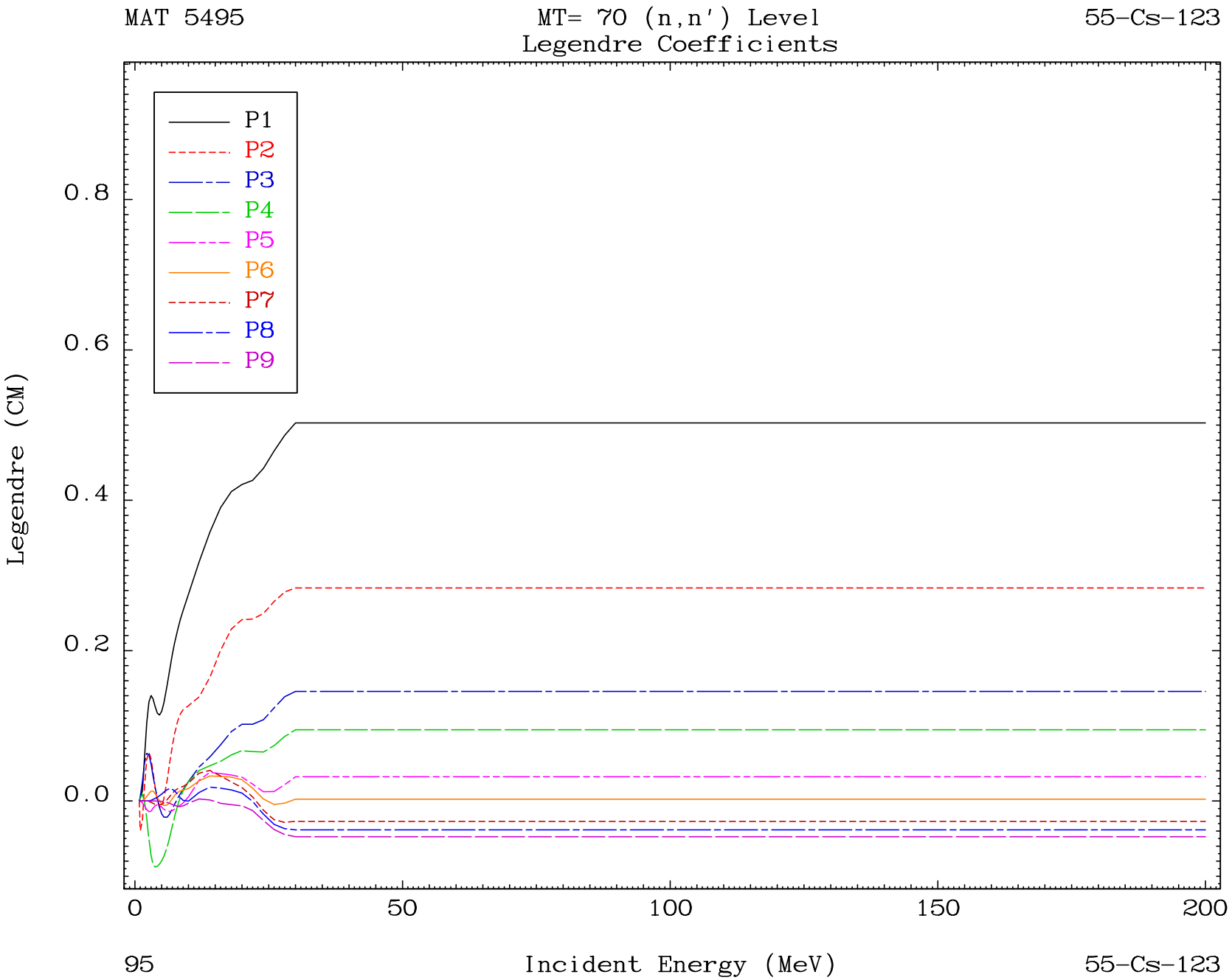

MAT 5495
MT= 68 (n,n') Level
Legendre Coefficients
55-Cs-123
X10-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
90
Incident Energy (MeV)
55-Cs-123

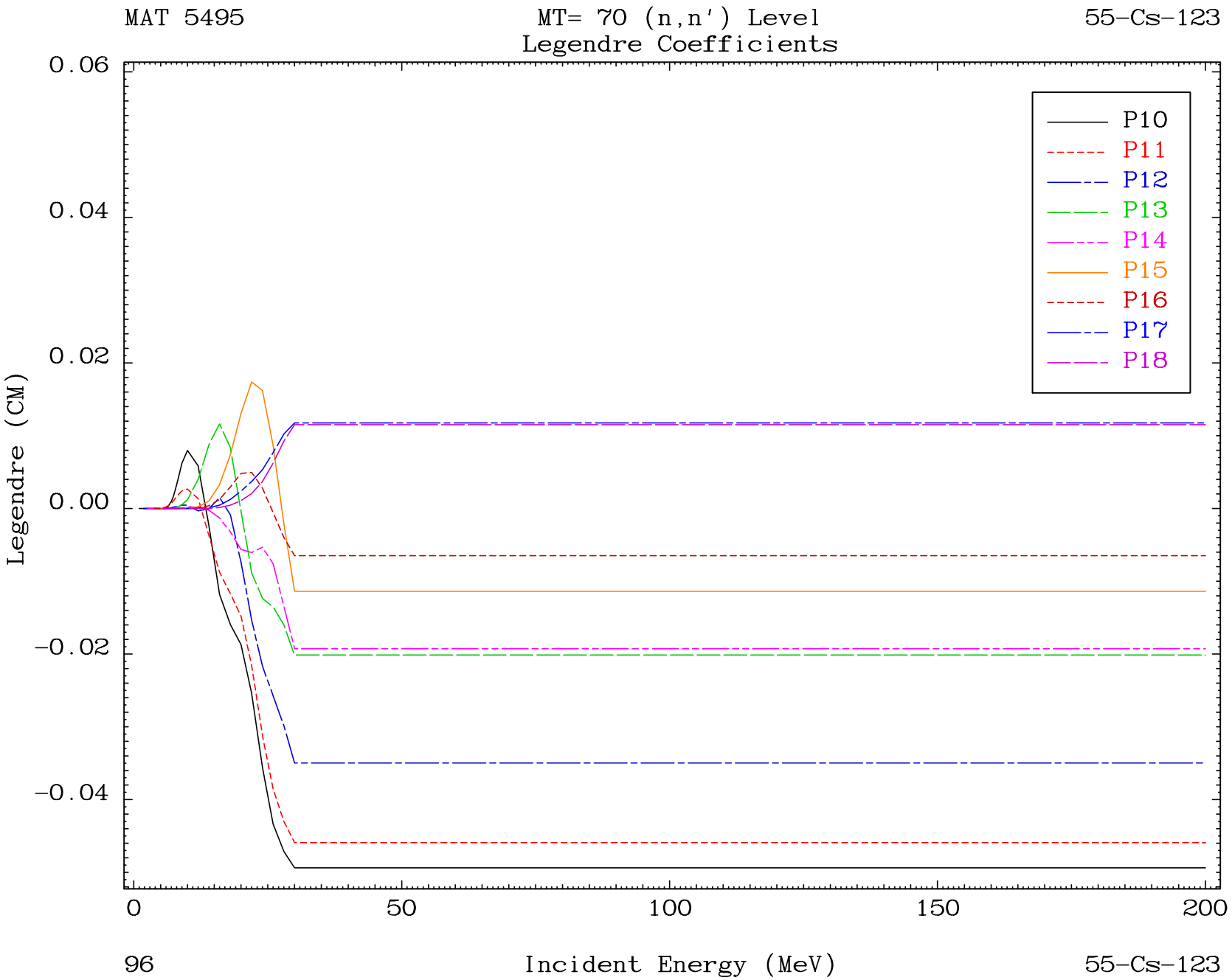

MAT 5495
MT= 69 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
91
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

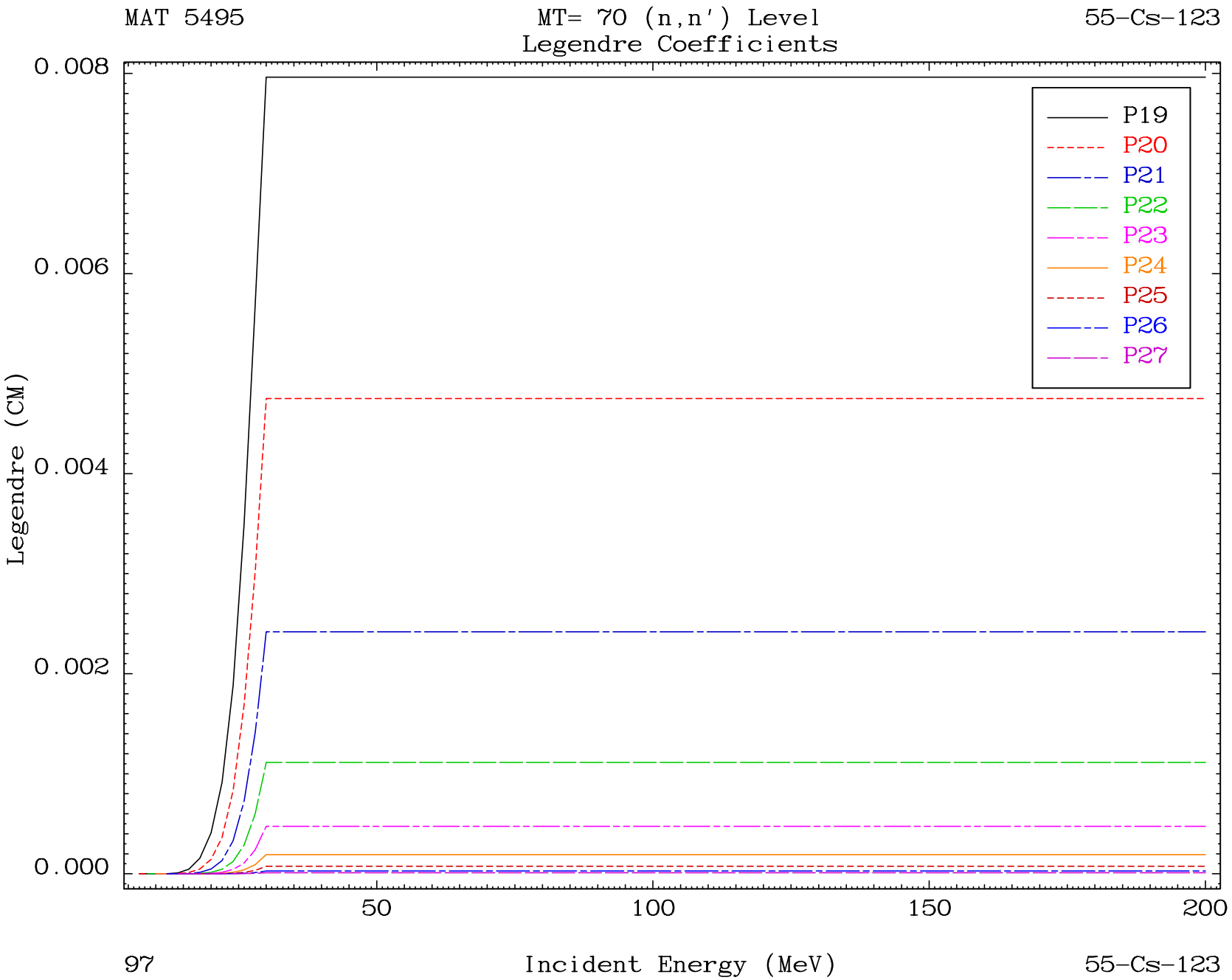

MAT 5495
MT= 69 (n,n') Level
Legendre Coefficients
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
92
Incident Energy (MeV)
55-Cs-123

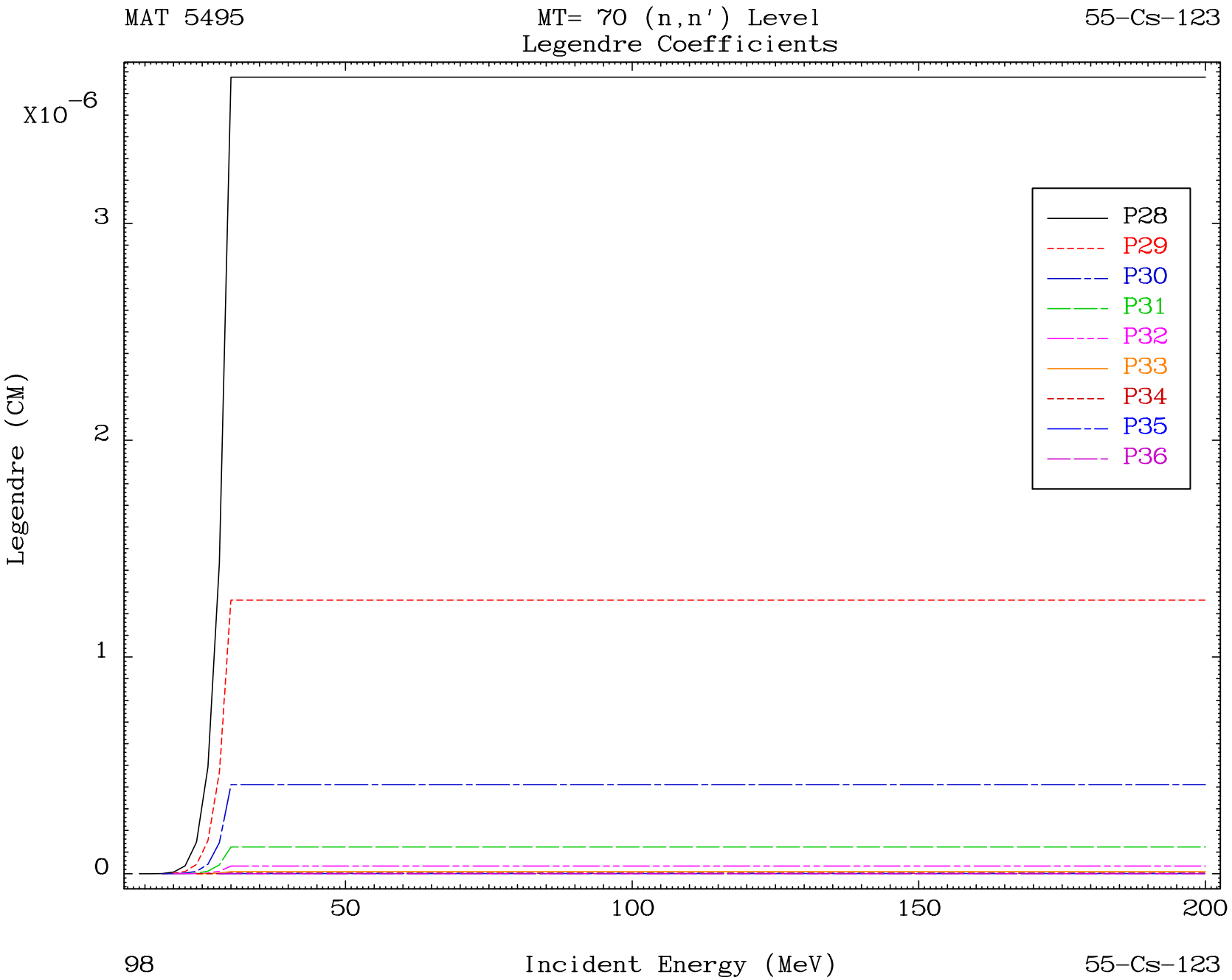

MAT 5495
MT= 69 (n,n') Level
Legendre Coefficients
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
93
Incident Energy (MeV)
55-Cs-123

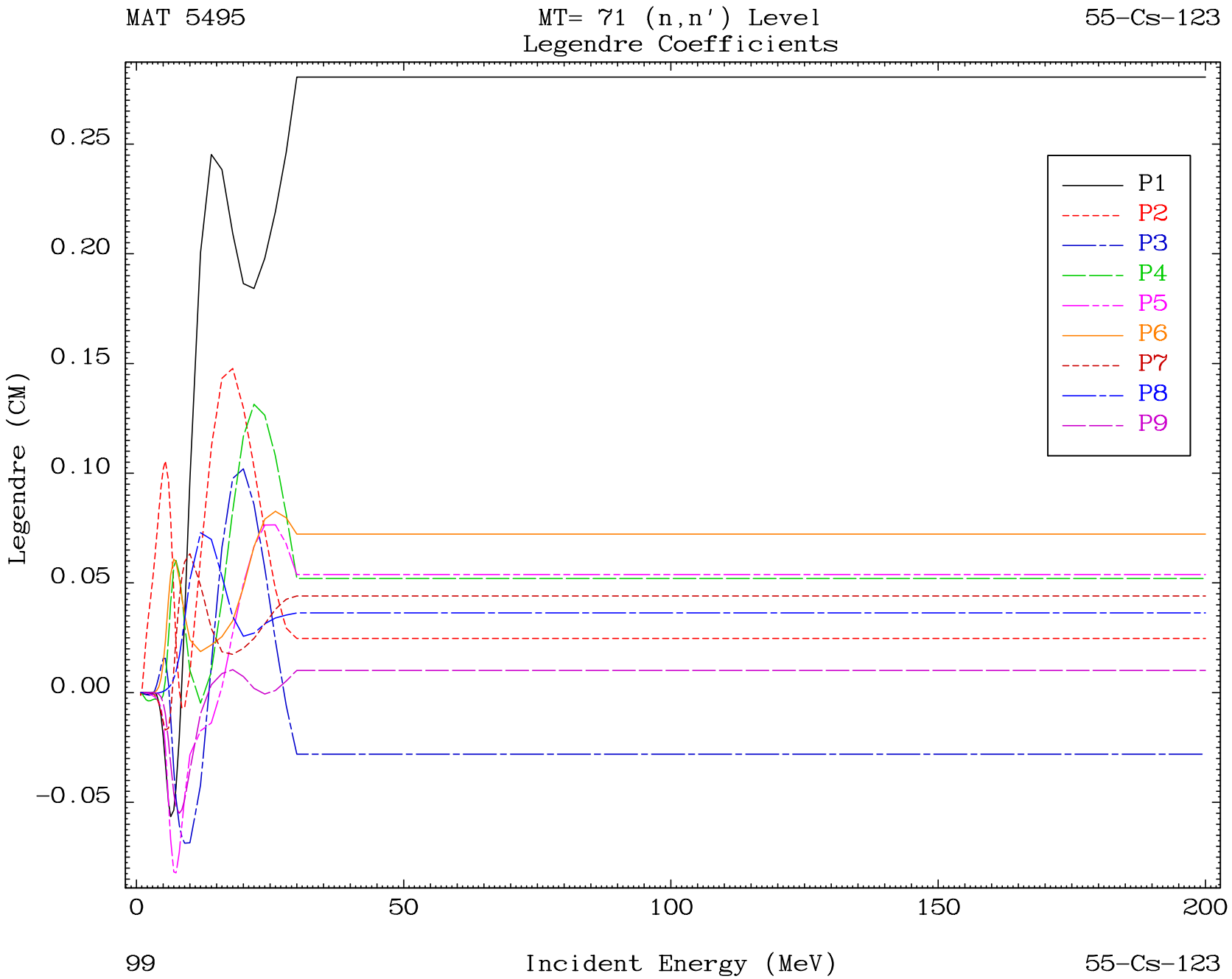

MAT 5495
MT= 69 (n,n') Level
Legendre Coefficients
55-Cs-123
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
94
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

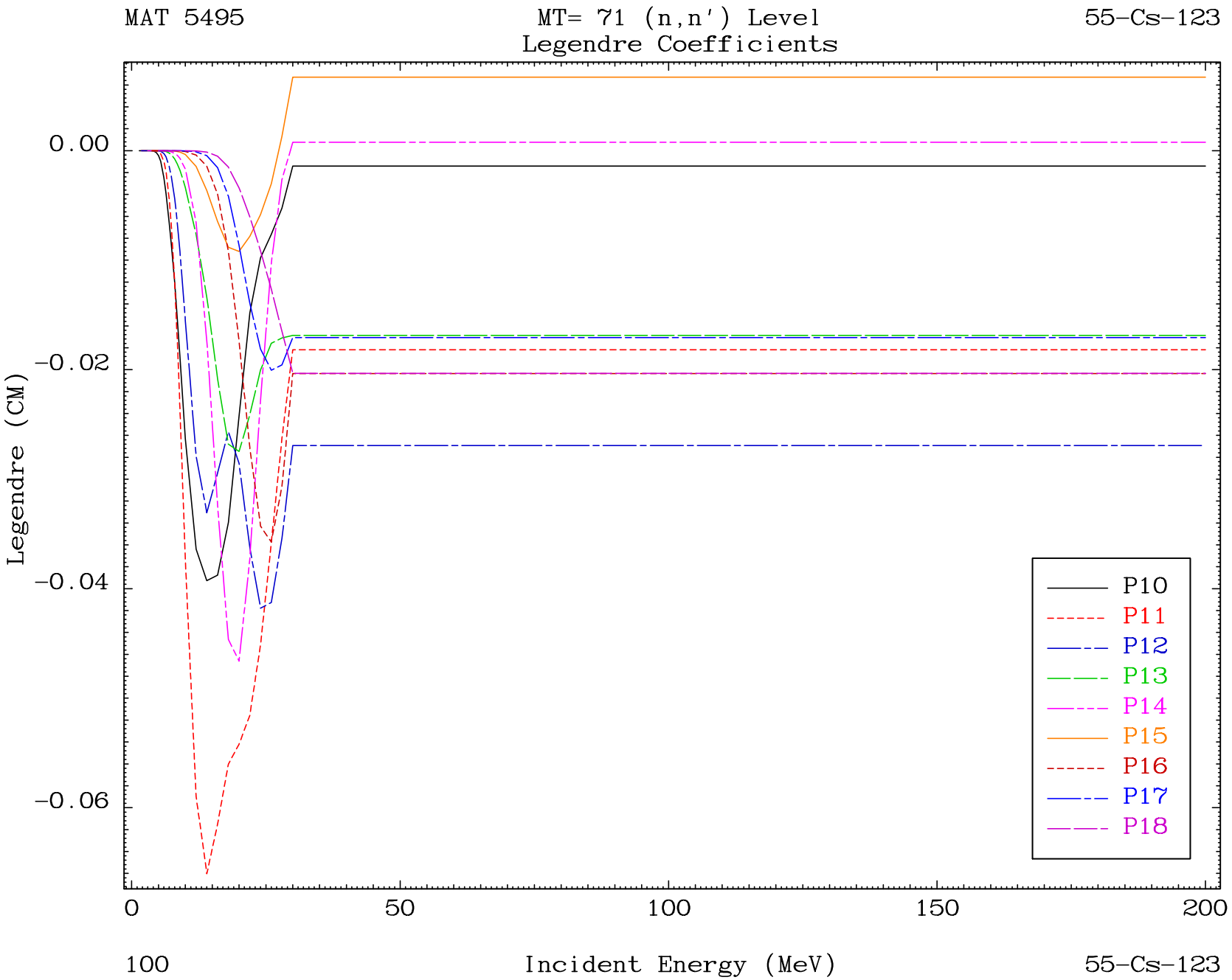

MAT 5495
MT= 70 (n,n') Level
Legendre Coefficients
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
95
Incident Energy (MeV)
55-Cs-123

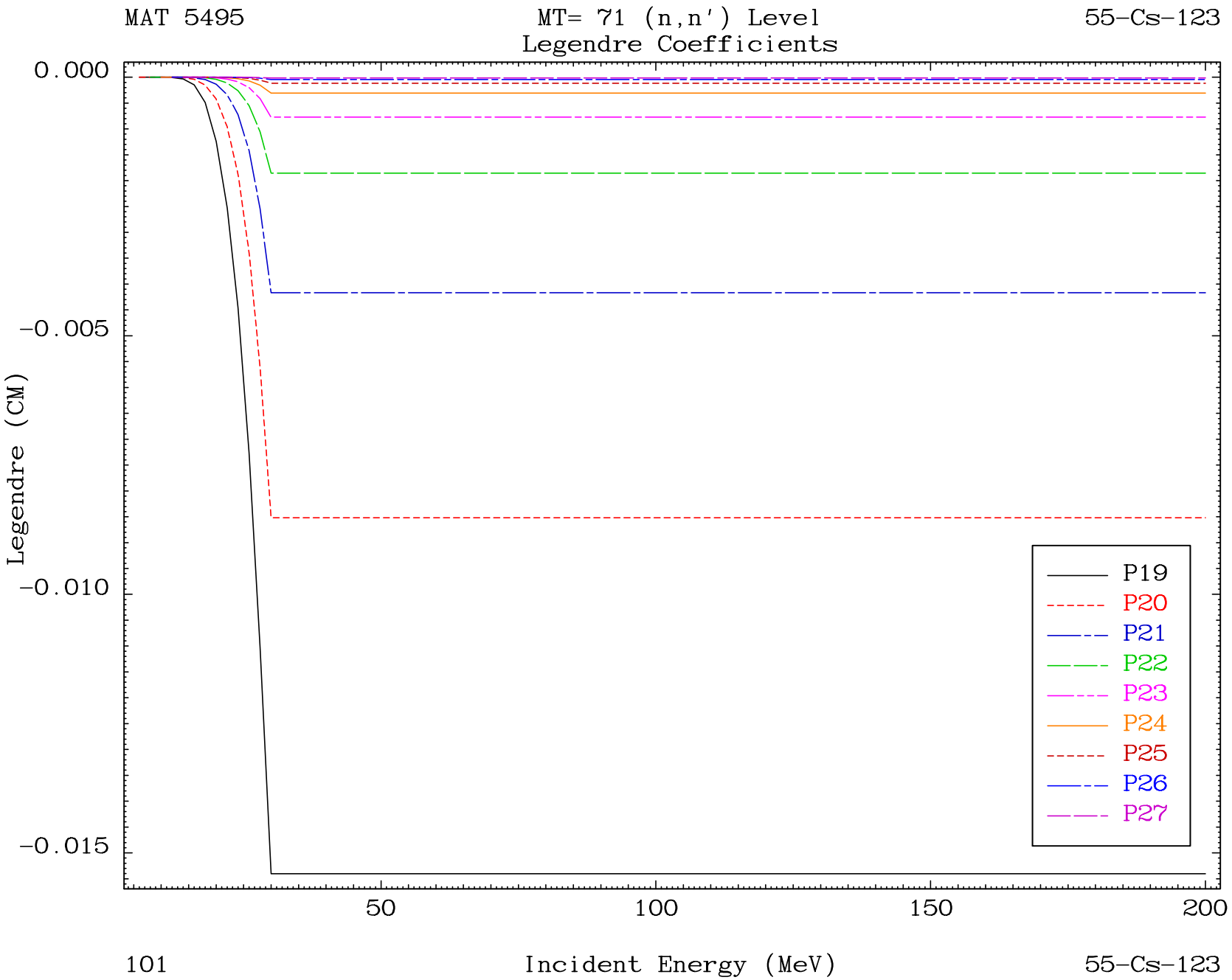

MAT 5495
MT= 70 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
96
Incident Energy (MeV)
55-Cs-123

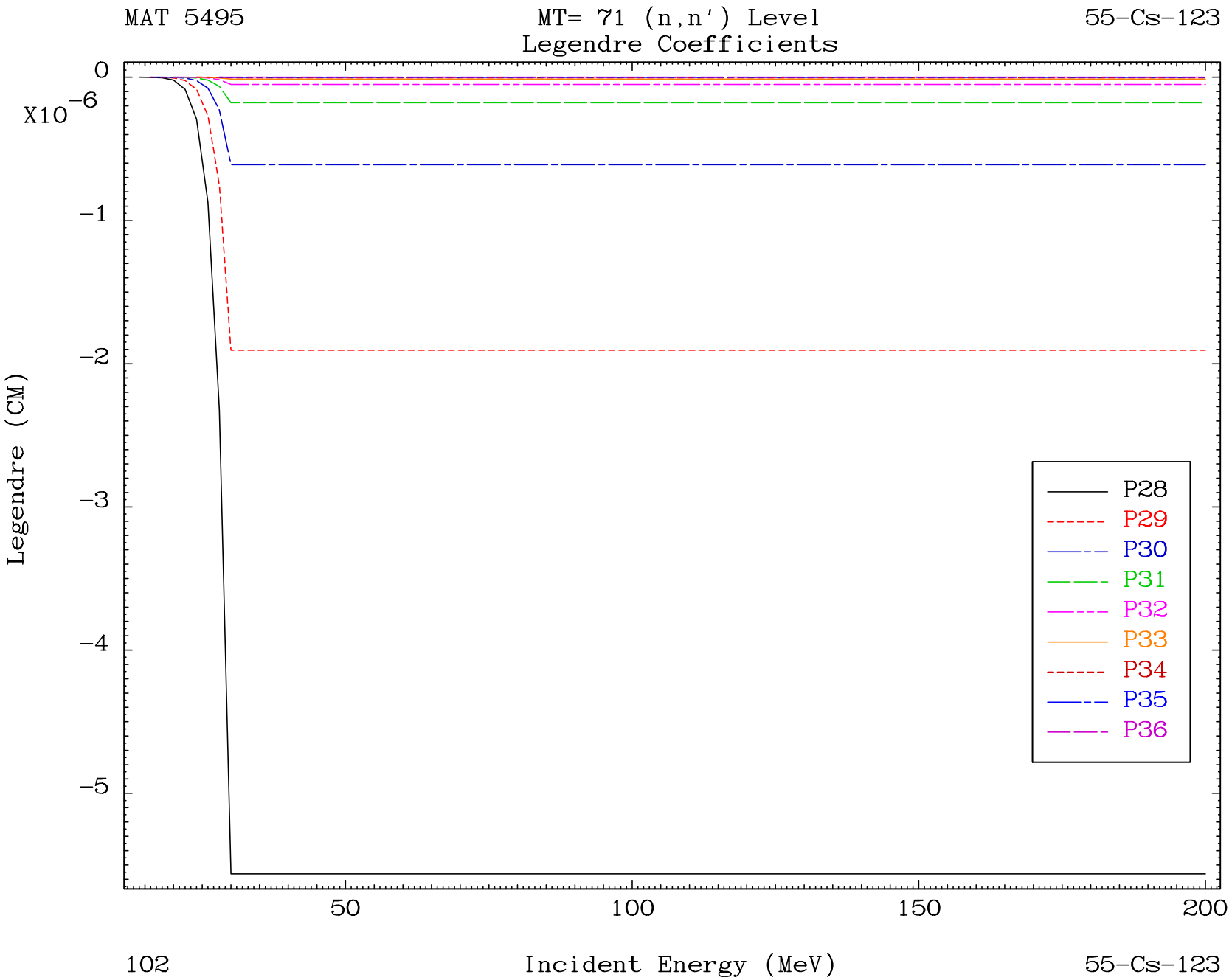

MAT 5495
MT= 70 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
97
Incident Energy (MeV)
55-Cs-123

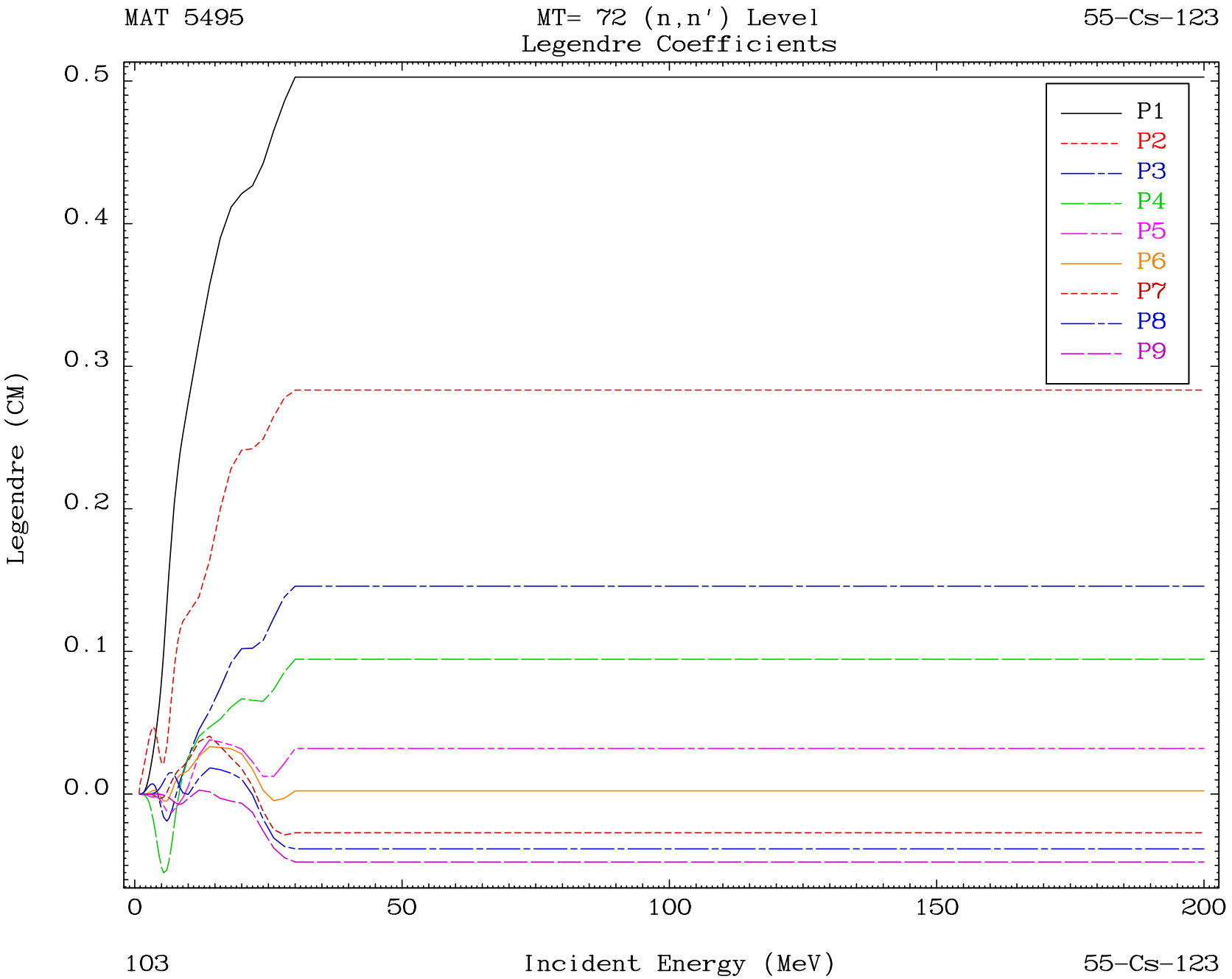

MAT 5495
MT= 70 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
98
Incident Energy (MeV)
55-Cs-123

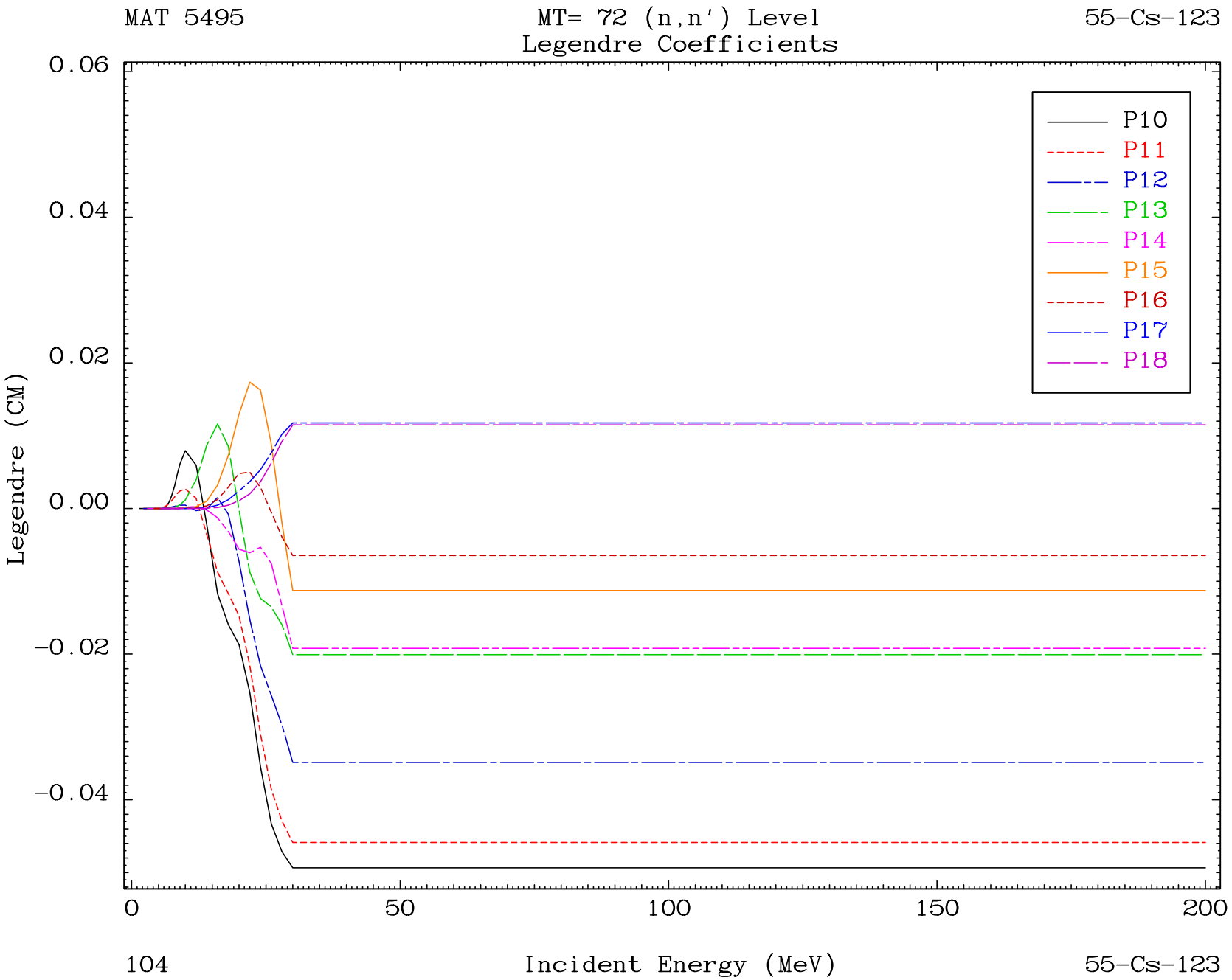

MAT 5495
MT= 71 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
99
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

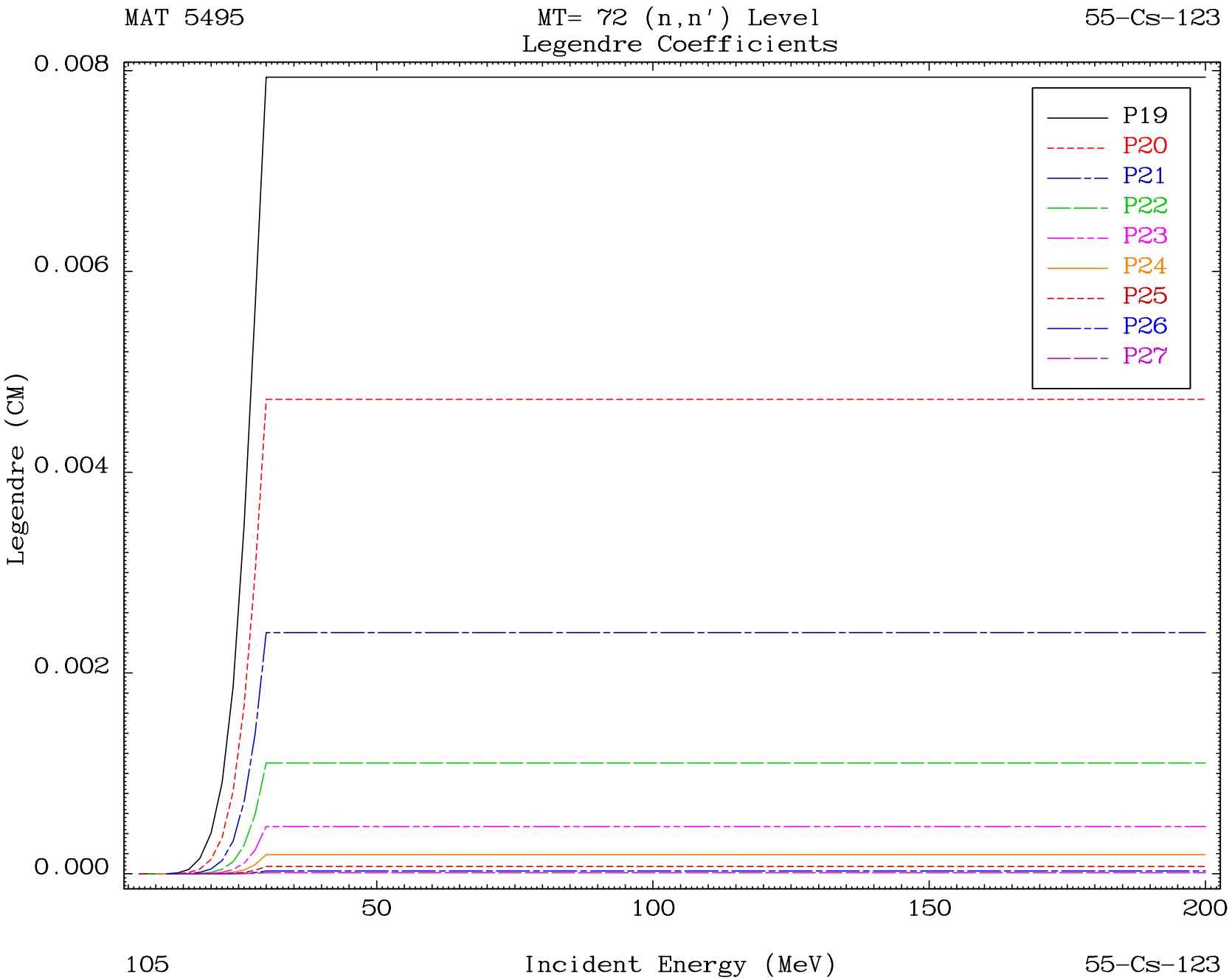

MAT 5495
MT= 71 (n,n') Level
Legendre Coefficients
55-Cs-123
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
100
Incident Energy (MeV)
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

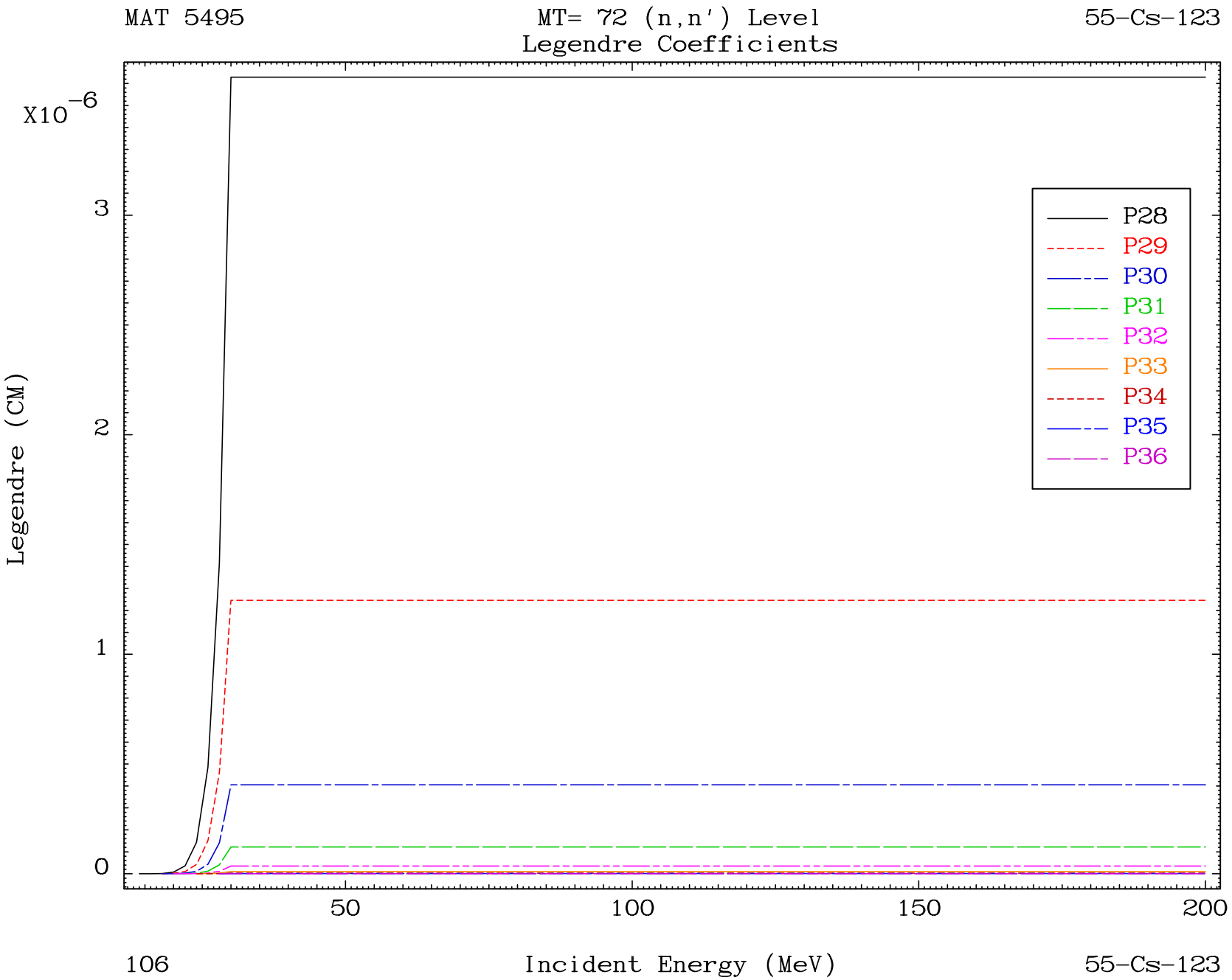

MAT 5495
MT= 71 (n,n') Level
Legendre Coefficients
55-Cs-123
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
101
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

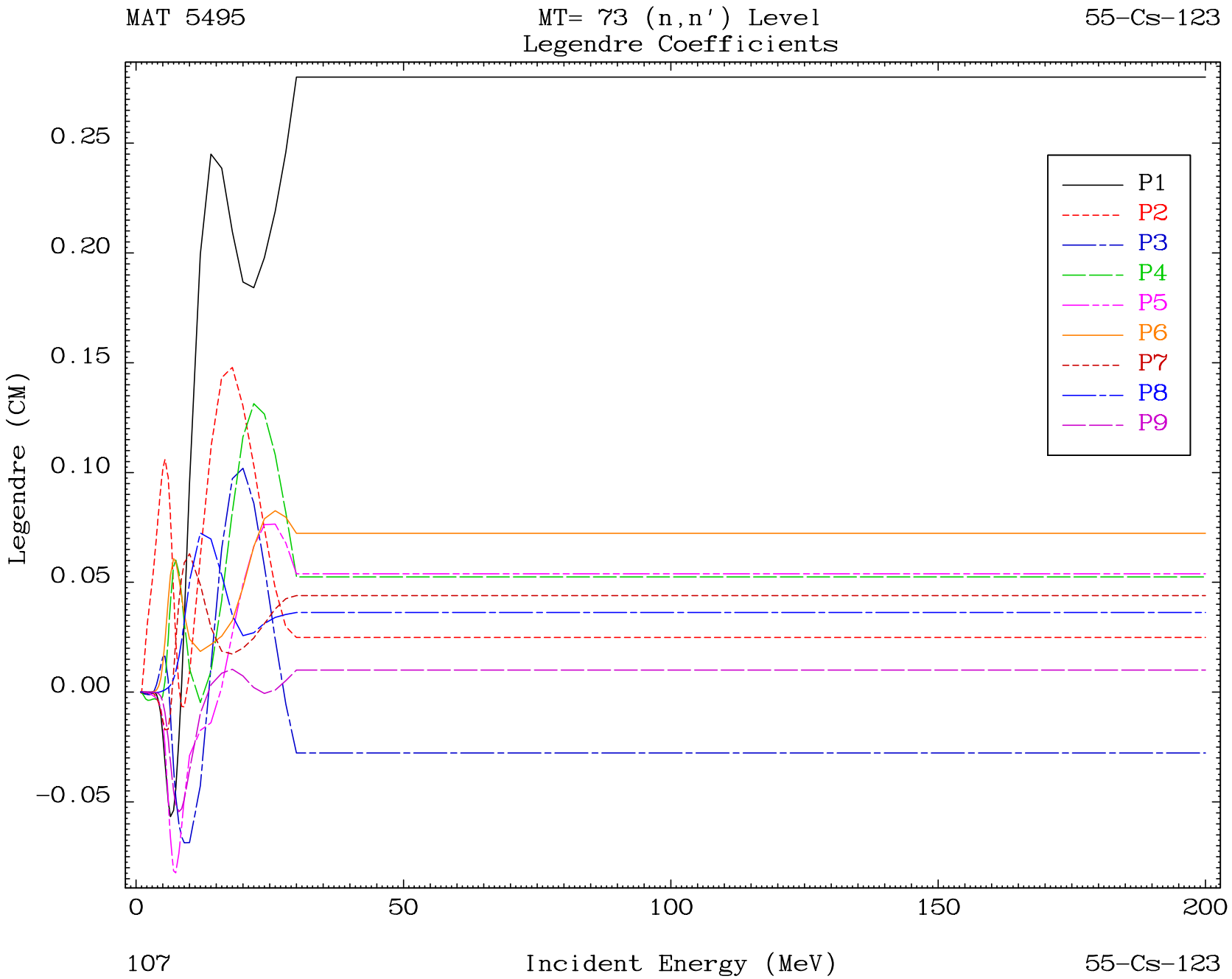

MAT 5495
MT= 71 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
102
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

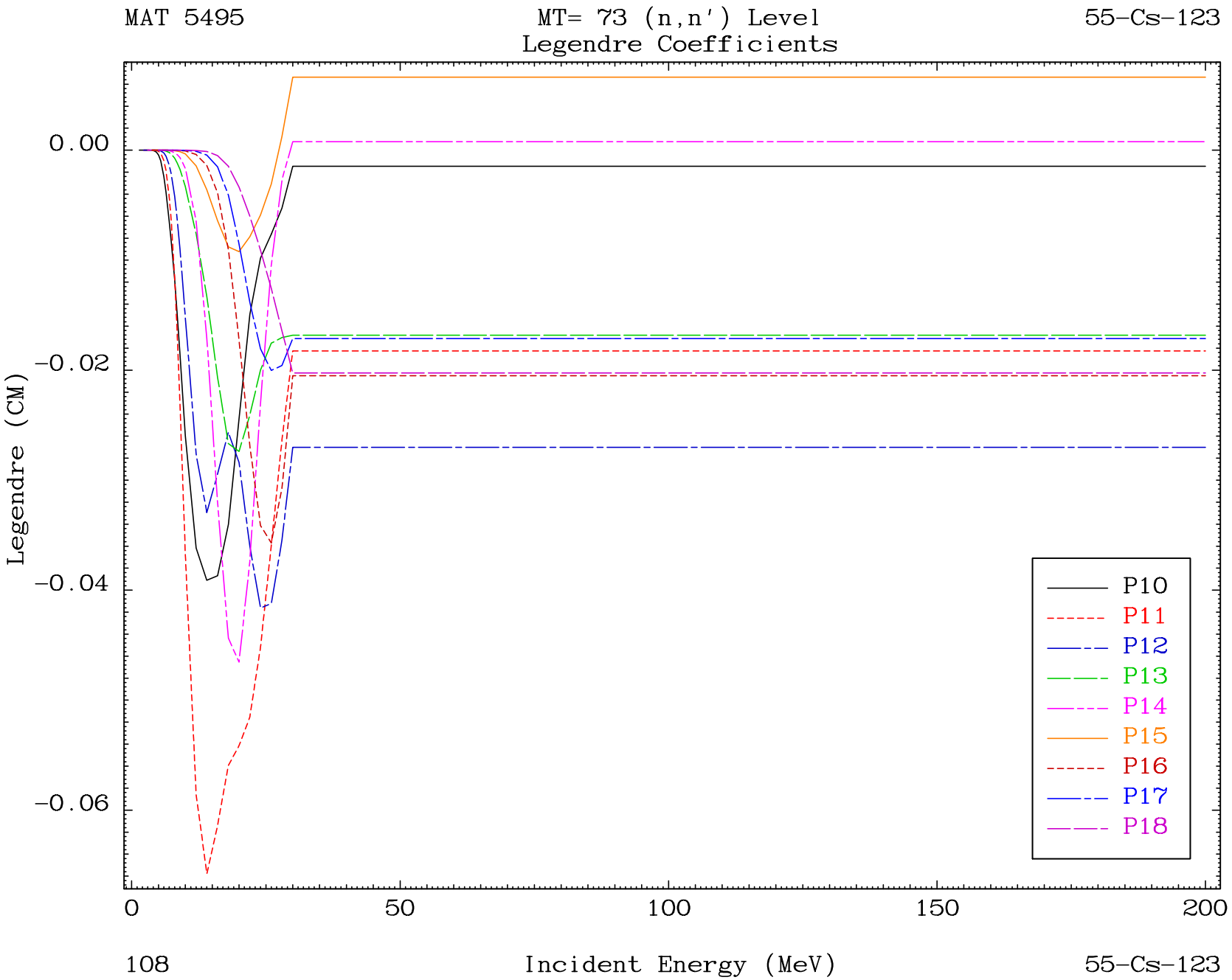

MAT 5495
MT= 72 (n,n') Level
Legendre Coefficients
55-Cs-123
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
103
Incident Energy (MeV)
55-Cs-123

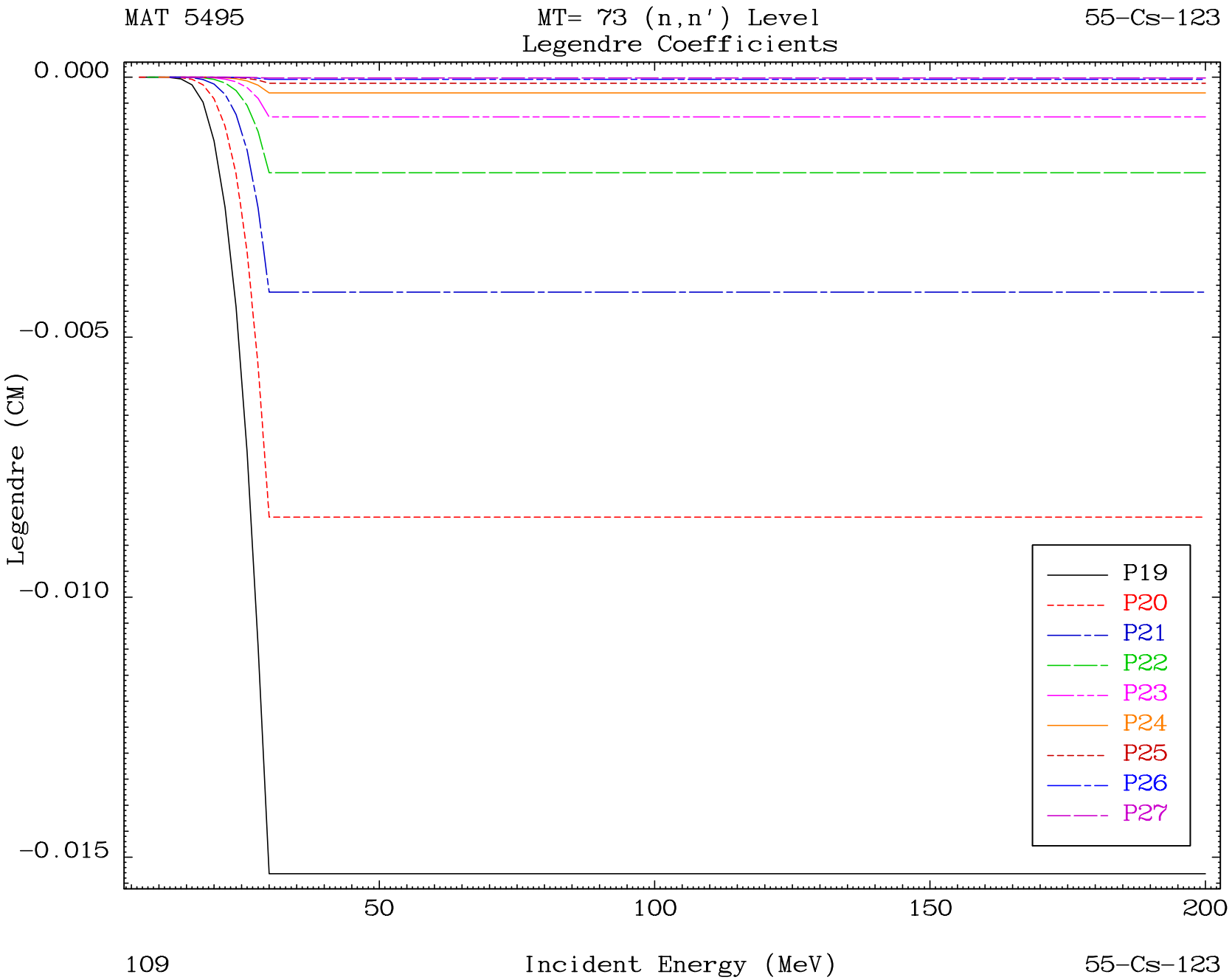

MAT 5495
MT= 72 (n,n') Level
Legendre Coefficients
55-Cs-123
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
104
Incident Energy (MeV)
55-Cs-123

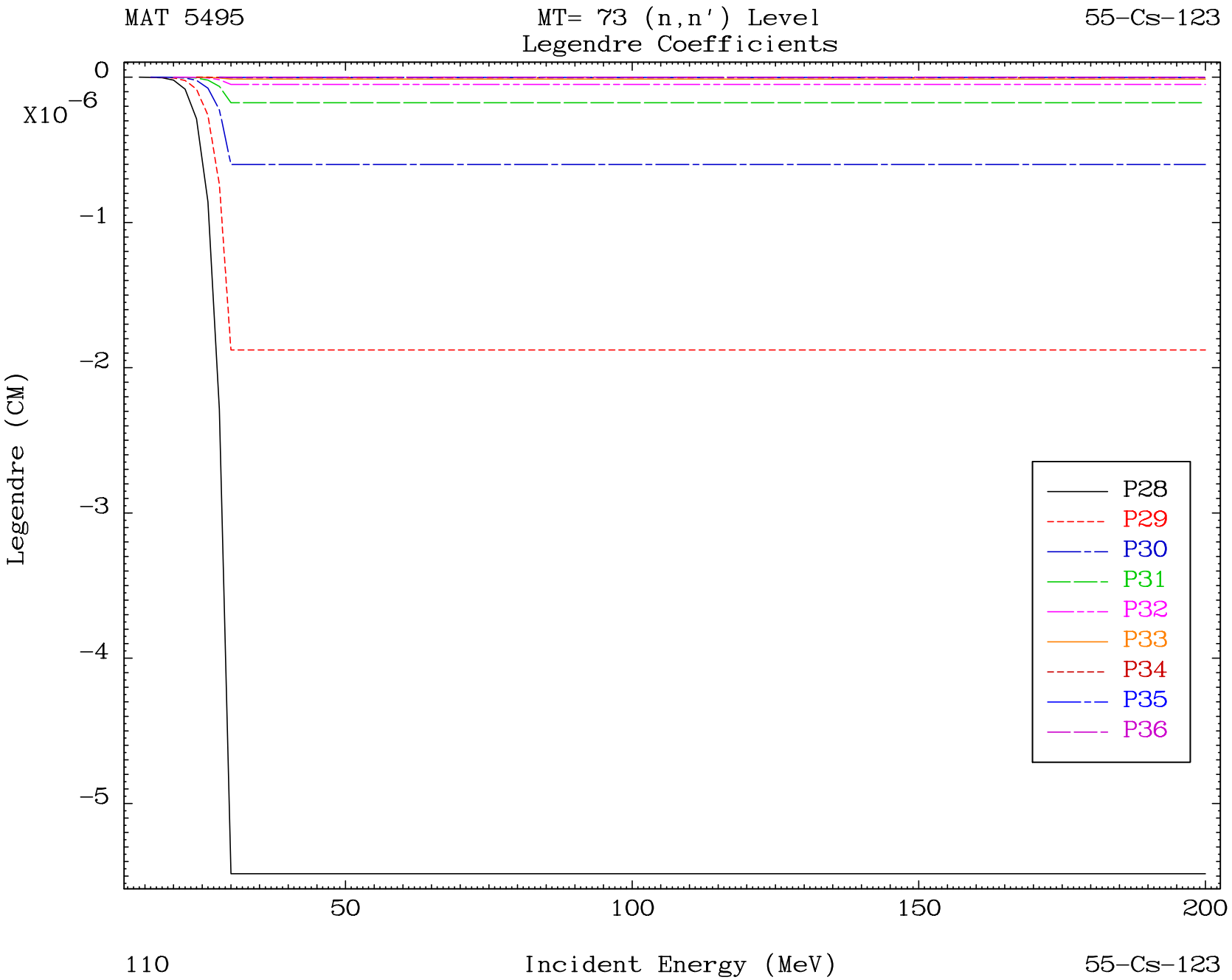

MAT 5495
MT= 72 (n,n') Level
Legendre Coefficients
55-Cs-123
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
105
Incident Energy (MeV)
55-Cs-123

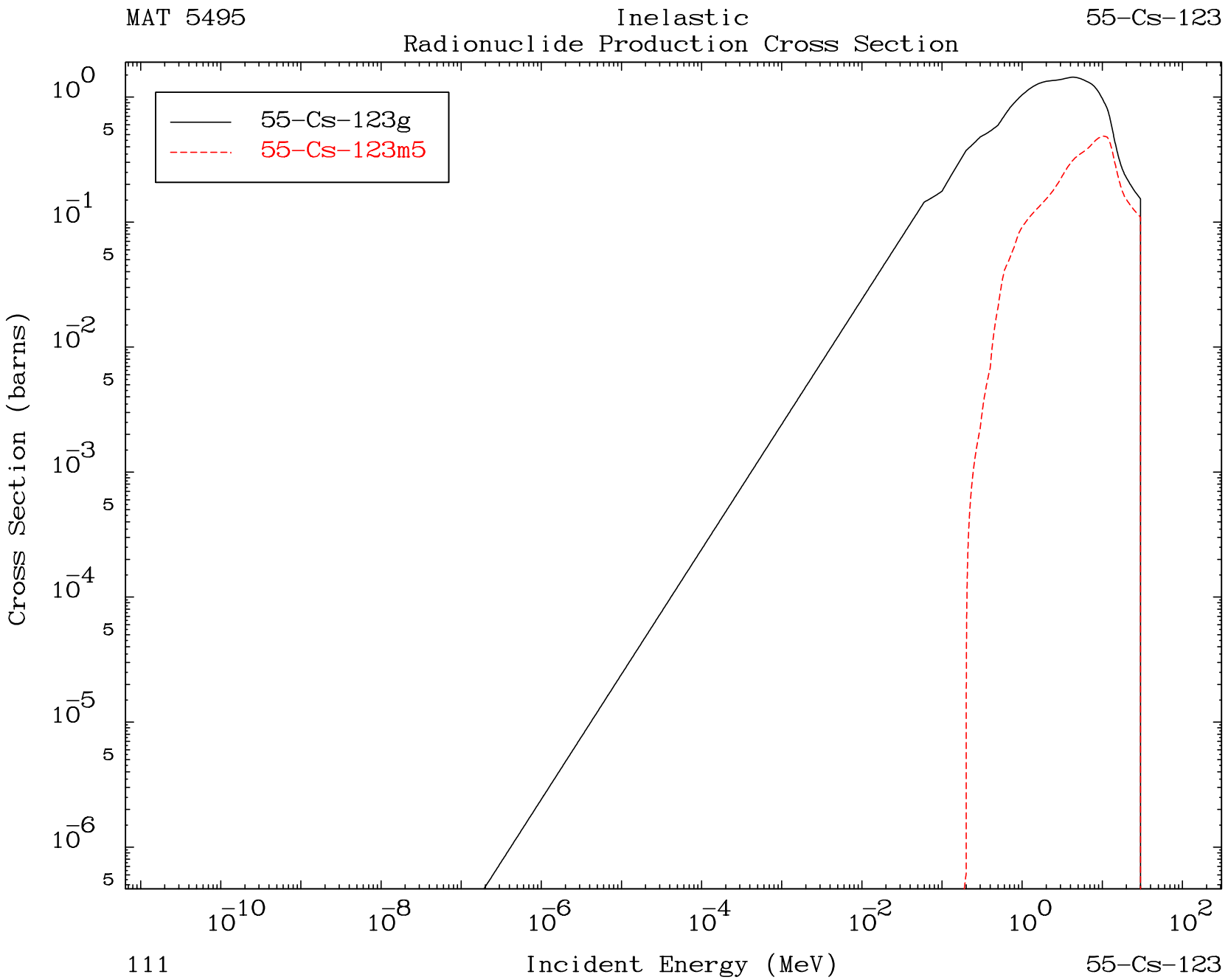

MAT 5495
MT= 72 (n,n') Level
Legendre Coefficients
55-Cs-123
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
106
Incident Energy (MeV)
55-Cs-123

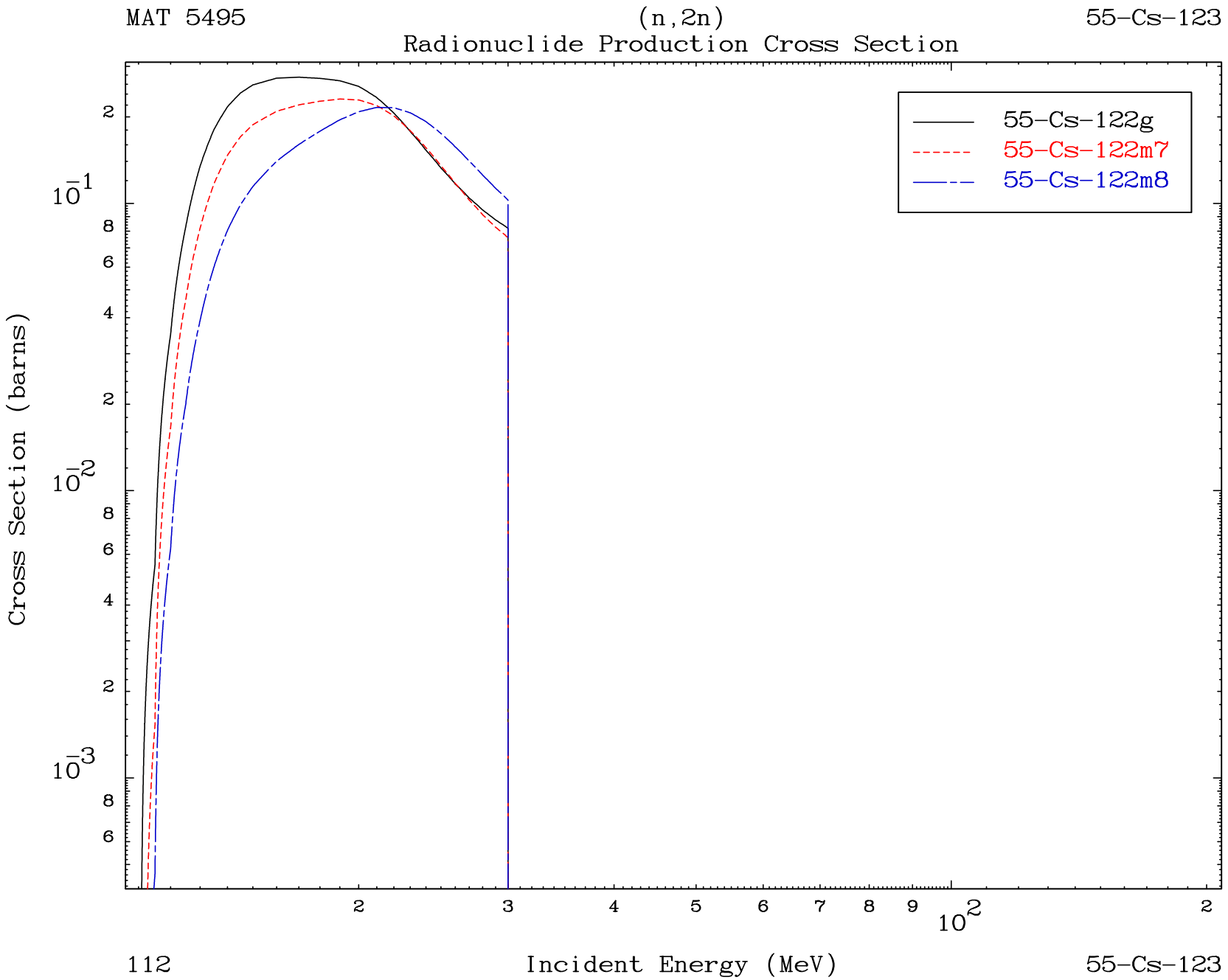

MAT 5495
MT= 73 (n,n') Level
Legendre Coefficients
55-Cs-123
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
107
Incident Energy (MeV)
55-Cs-123
P1
P2
P3
P4
P5
P6
P7
P8
P9

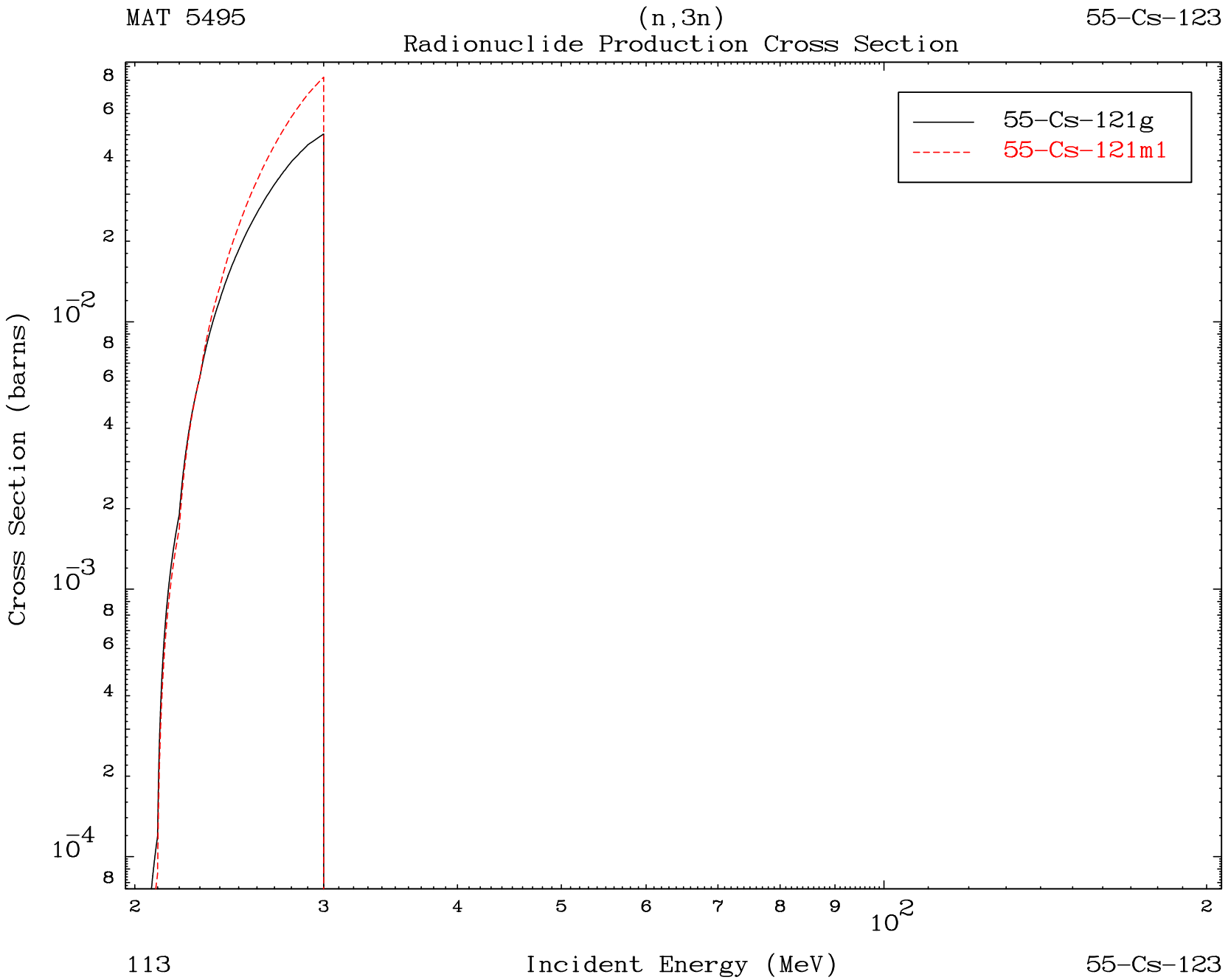

MAT 5495
MT= 73 (n,n') Level
Legendre Coefficients
55-Cs-123
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
108
Incident Energy (MeV)
55-Cs-123
P10
P11
P12
P13
P14
P15
P16
P17
P18

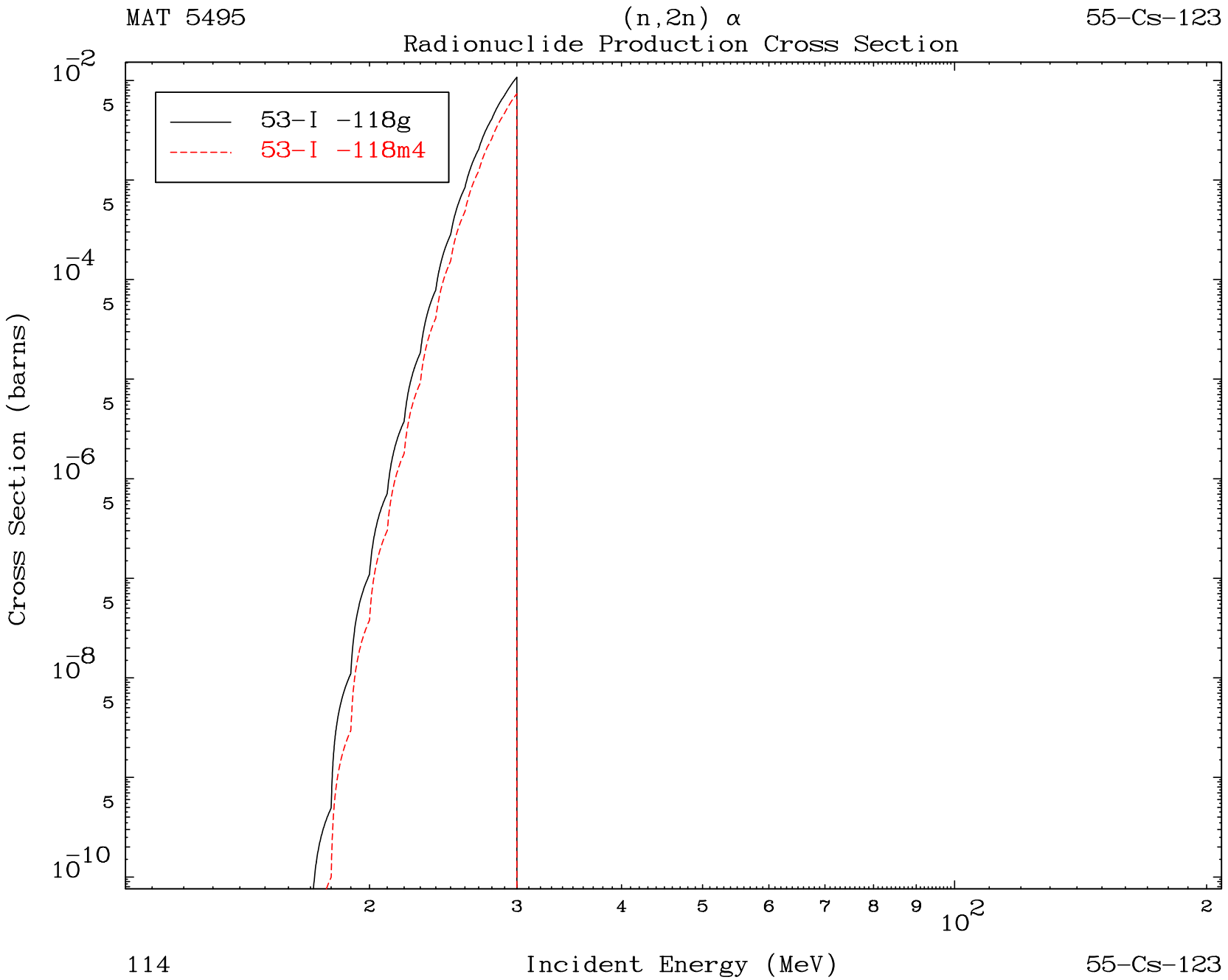

MAT 5495
MT= 73 (n,n') Level
Legendre Coefficients
55-Cs-123
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
109
Incident Energy (MeV)
55-Cs-123
P19
P20
P21
P22
P23
P24
P25
P26
P27

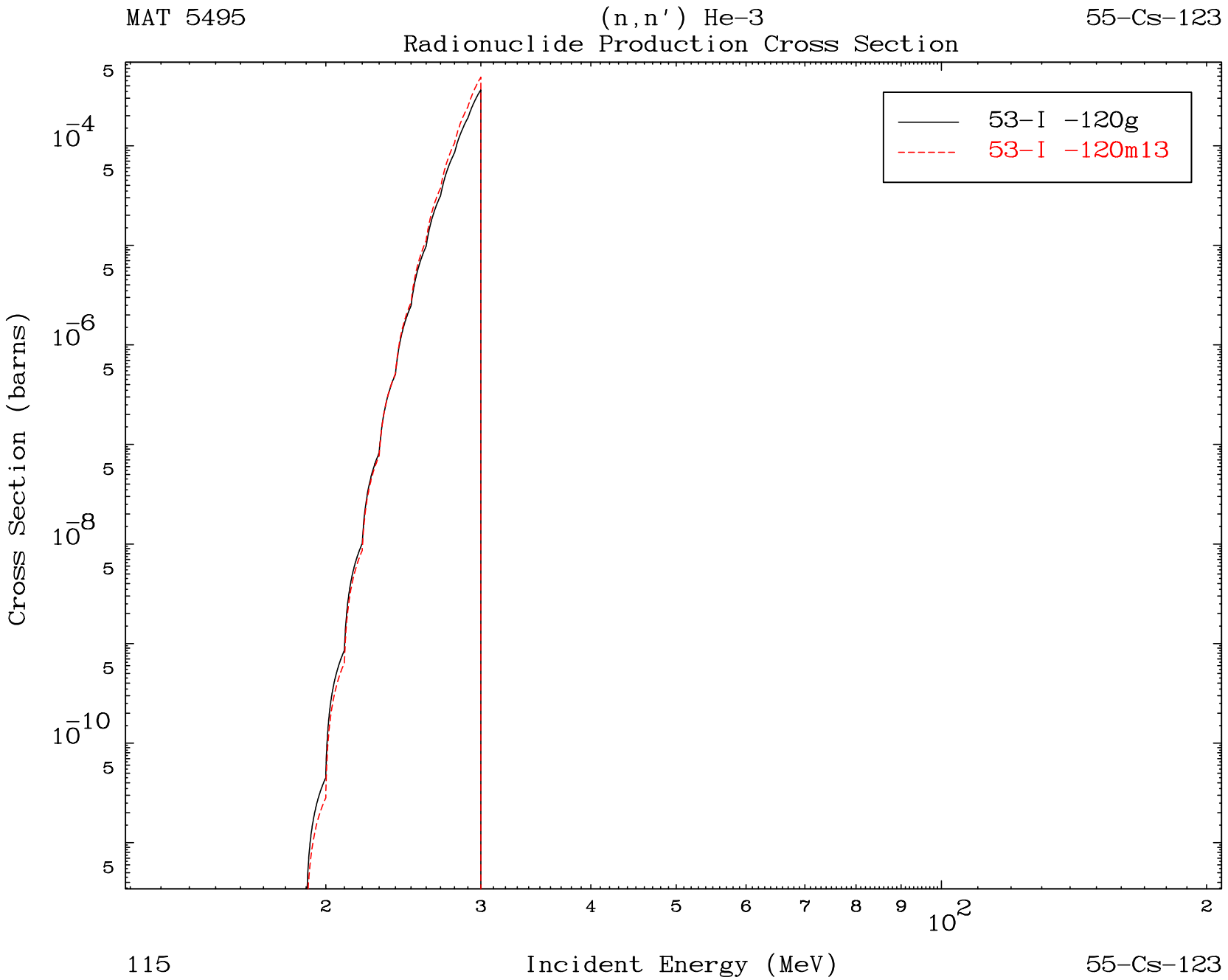

MAT 5495
MT= 73 (n,n') Level
Legendre Coefficients
55-Cs-123
0
X10−6
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
110
Incident Energy (MeV)
55-Cs-123
P28
P29
P30
P31
P32
P33
P34
P35
P36

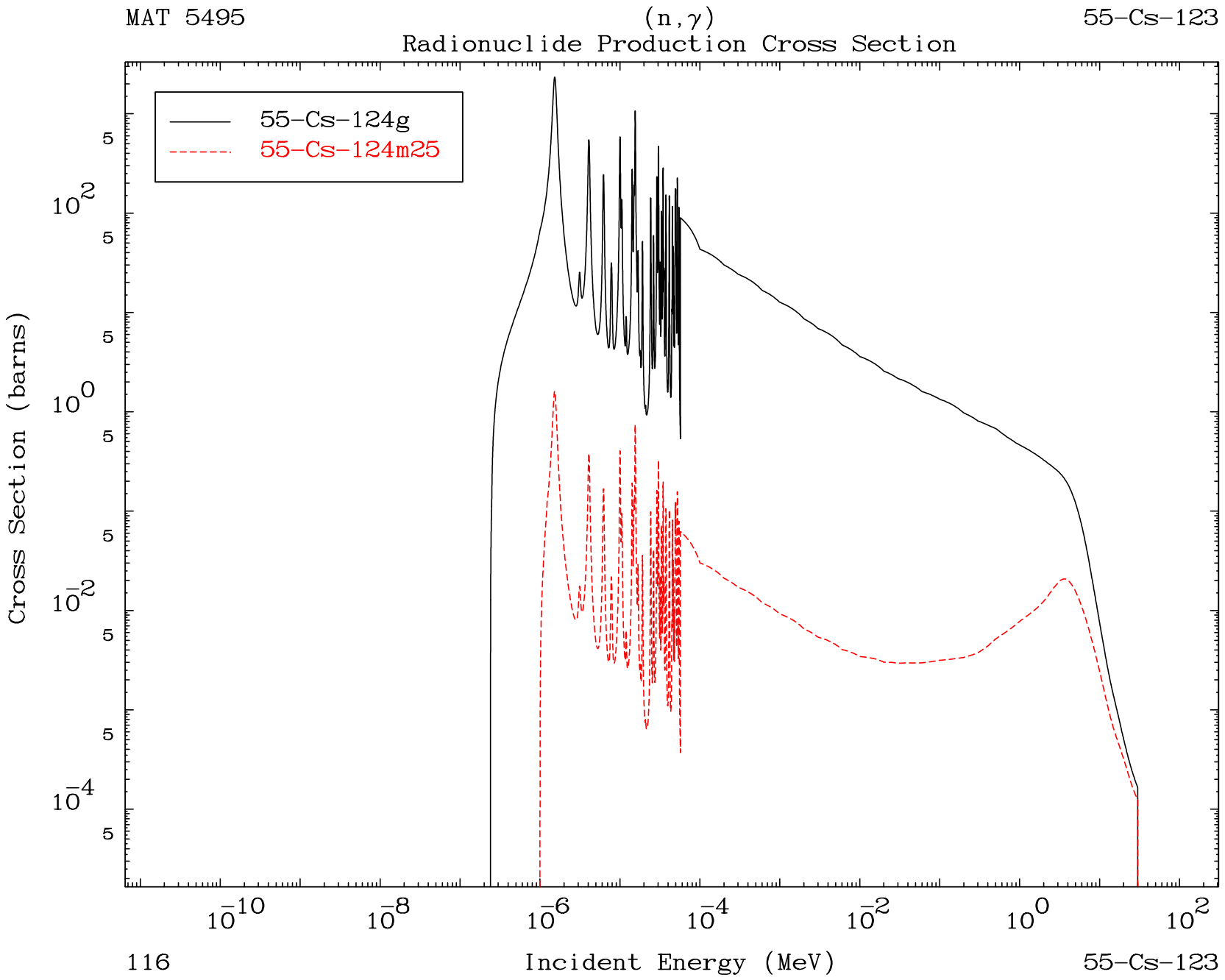

MAT 5495
Inelastic
55-Cs-123
Radionuclide Production Cross Section
55-Cs-123g
55-Cs-123m5
Cross Section (barns)
Incident Energy (MeV)
111
55-Cs-123

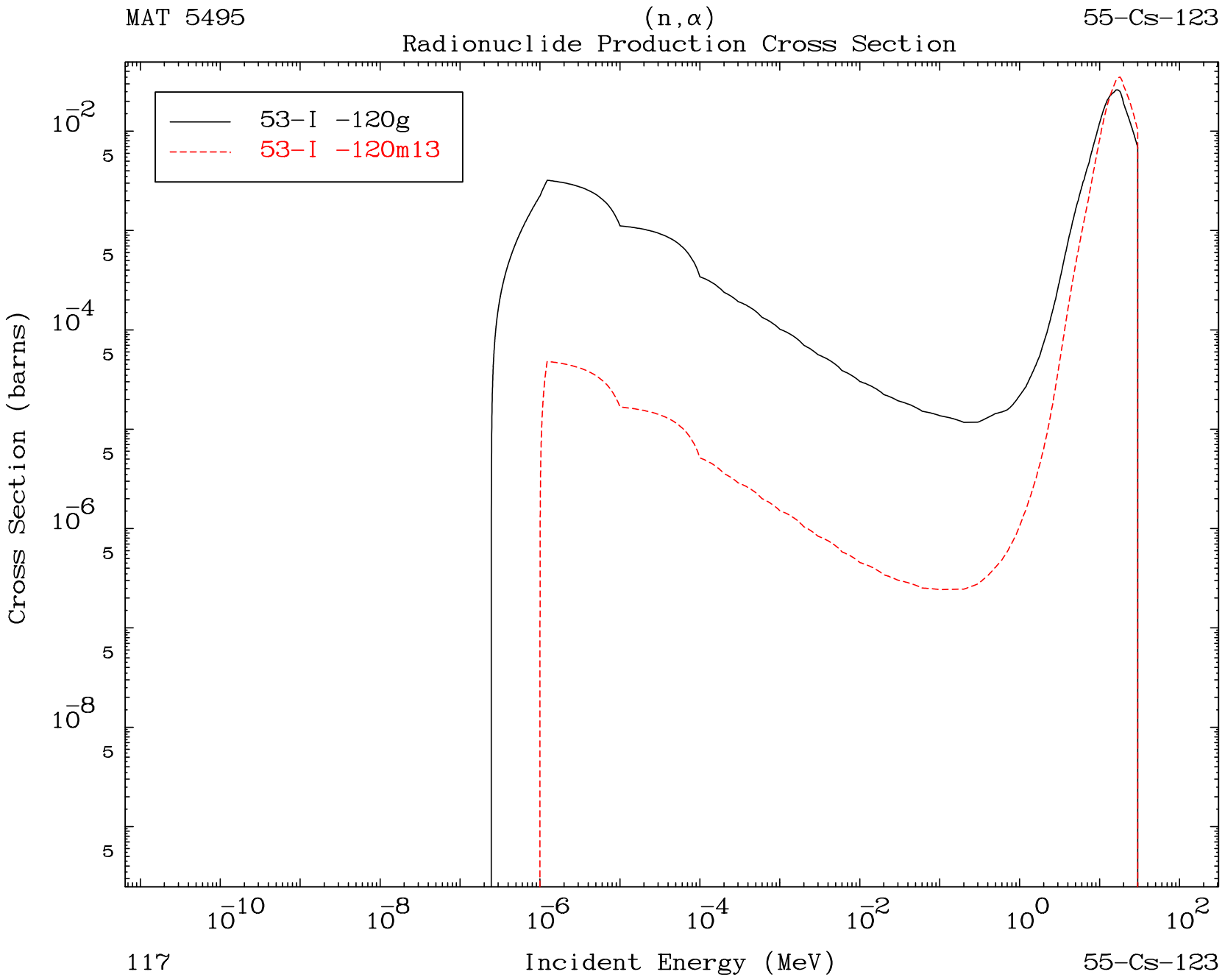

MAT 5495
(n,2n)
55-Cs-123
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
Cross Section (barns)
Incident Energy (MeV)
112
55-Cs-123

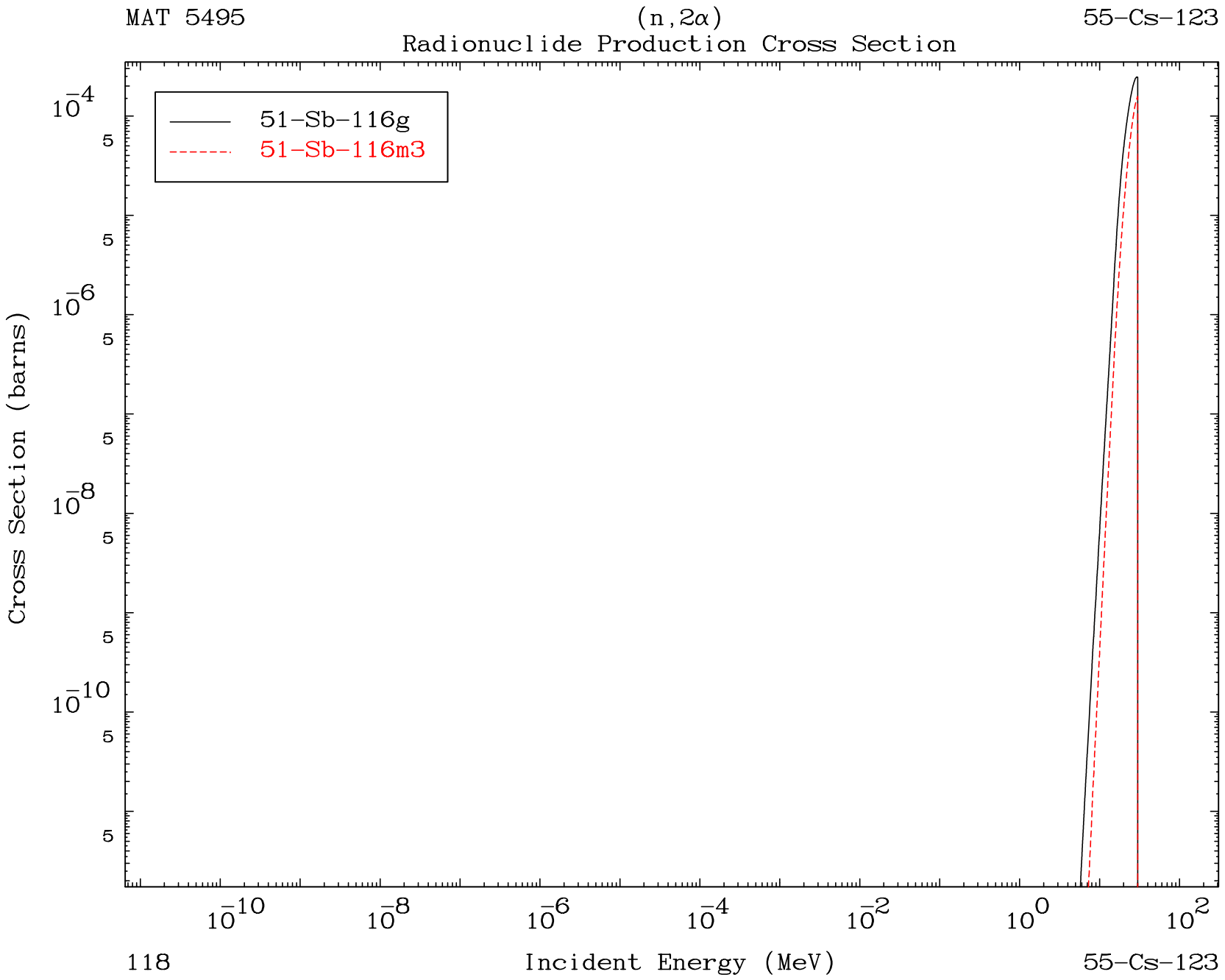

MAT 5495
(n,3n)
55-Cs-123
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
Incident Energy (MeV)
113
55-Cs-123

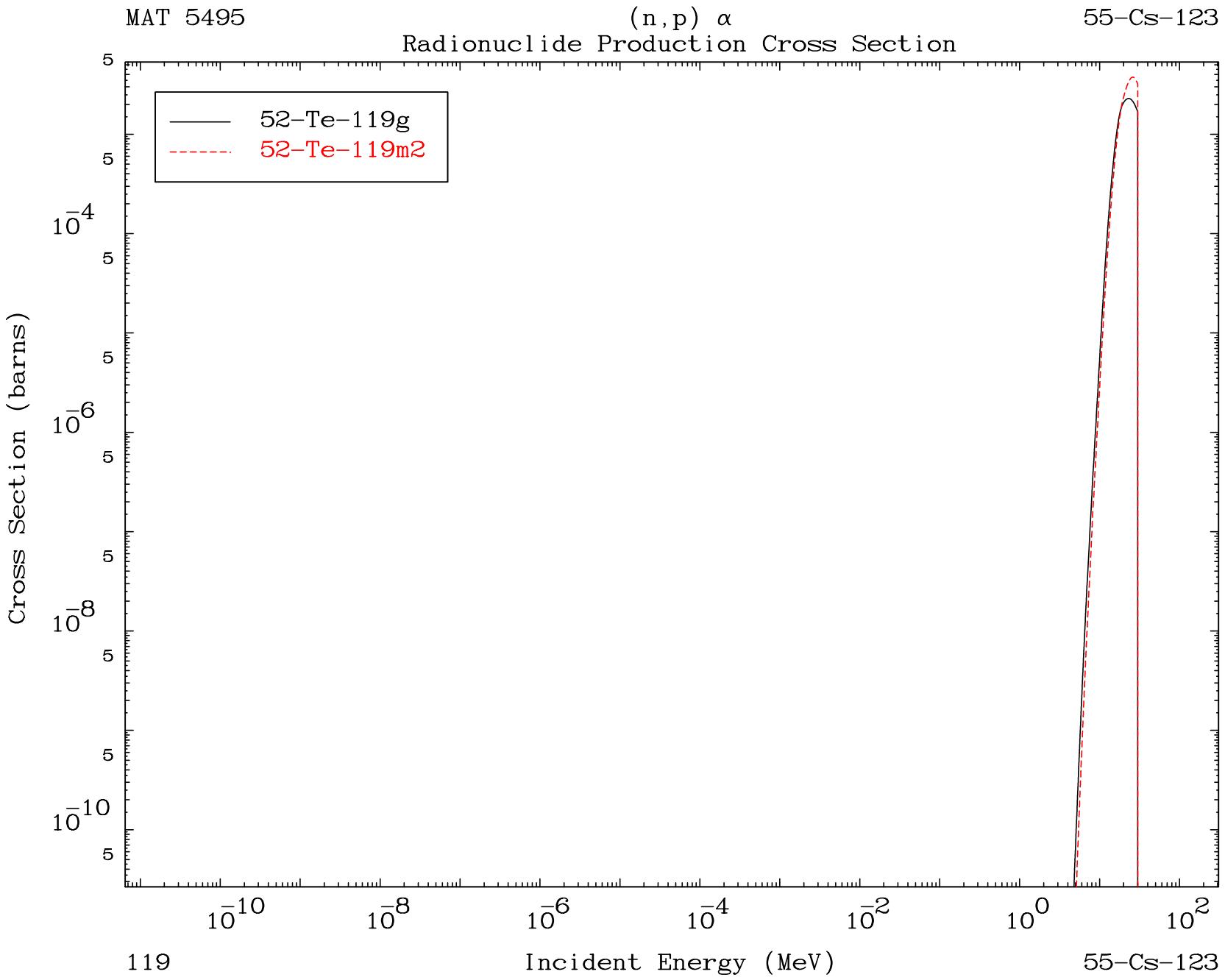

MAT 5495
(n,2n) α
55-Cs-123
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
114
Incident Energy (MeV)
55-Cs-123

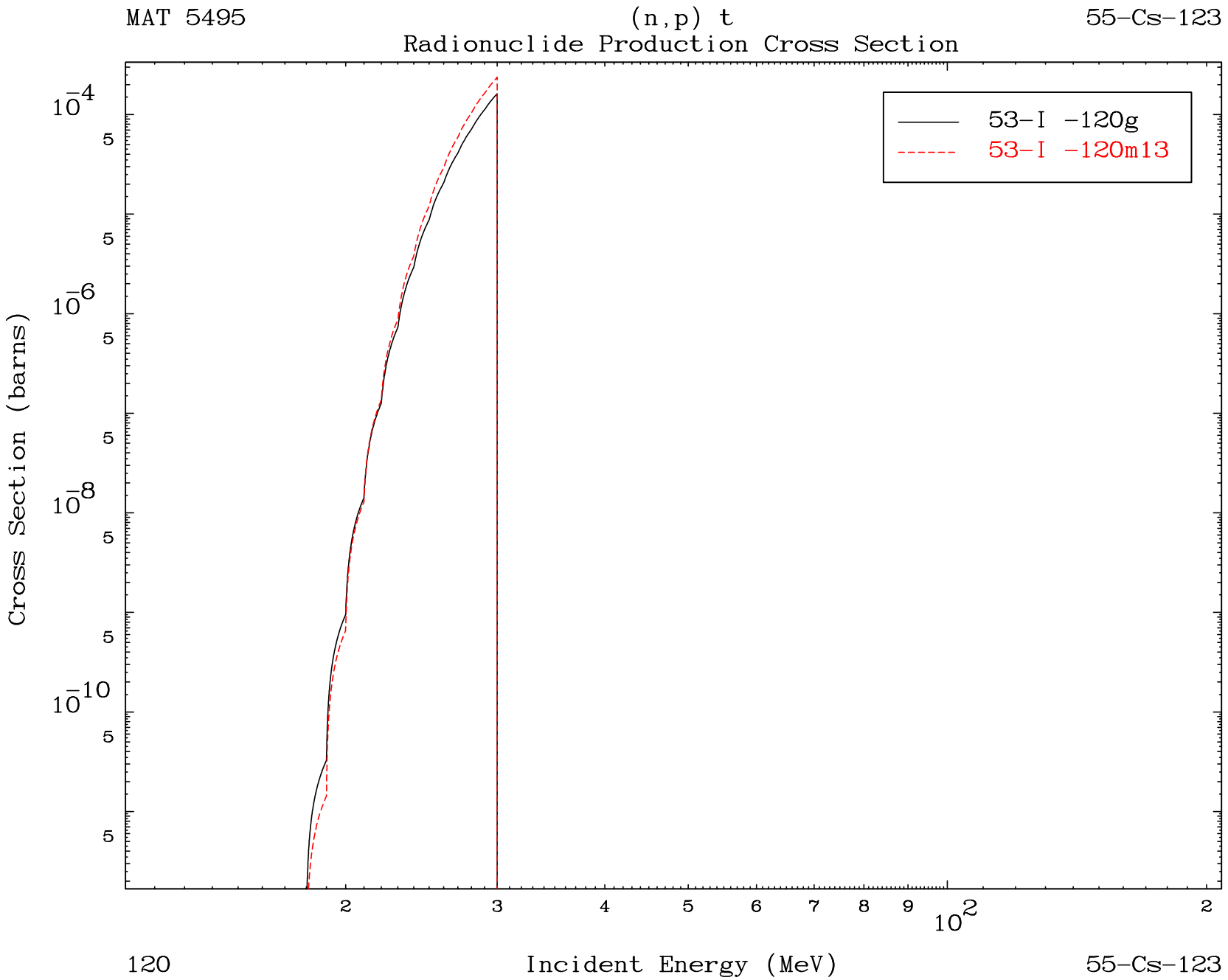

MAT 5495
(n,n') He-3
55-Cs-123
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
Incident Energy (MeV)
115
55-Cs-123


MAT 5495
(n,γ)
55-Cs-123
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m25
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
116
Incident Energy (MeV)
55-Cs-123


MAT 5495
(n,α)
55-Cs-123
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
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
117
Incident Energy (MeV)
55-Cs-123


MAT 5495
(n,2α)
55-Cs-123
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
118
55-Cs-123


MAT 5495
(n,p) α
55-Cs-123
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
119
55-Cs-123


MAT 5495
(n,p) t
55-Cs-123
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
120
Incident Energy (MeV)
55-Cs-123