Program EVALPLOT
(Version 2017-1)
by
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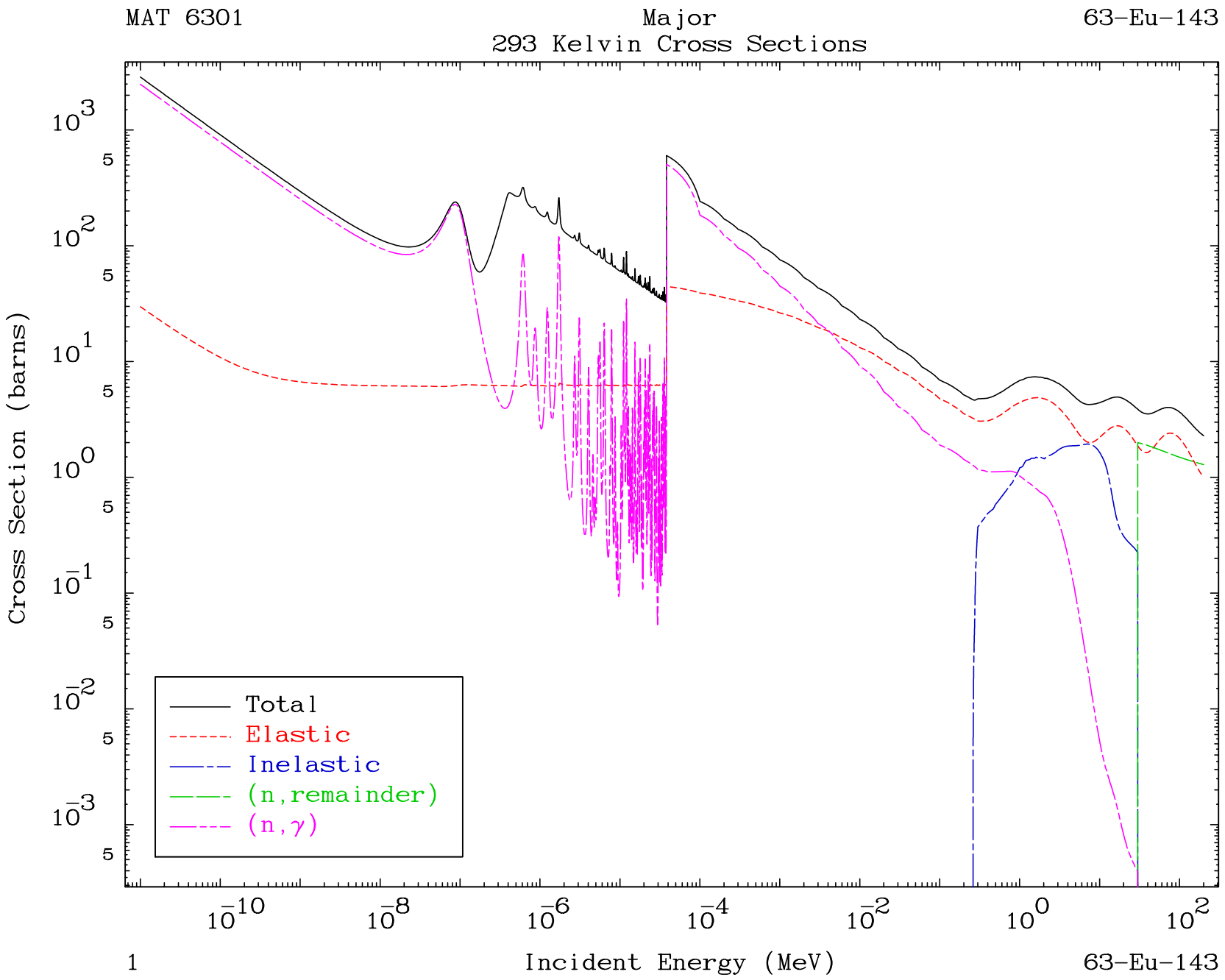
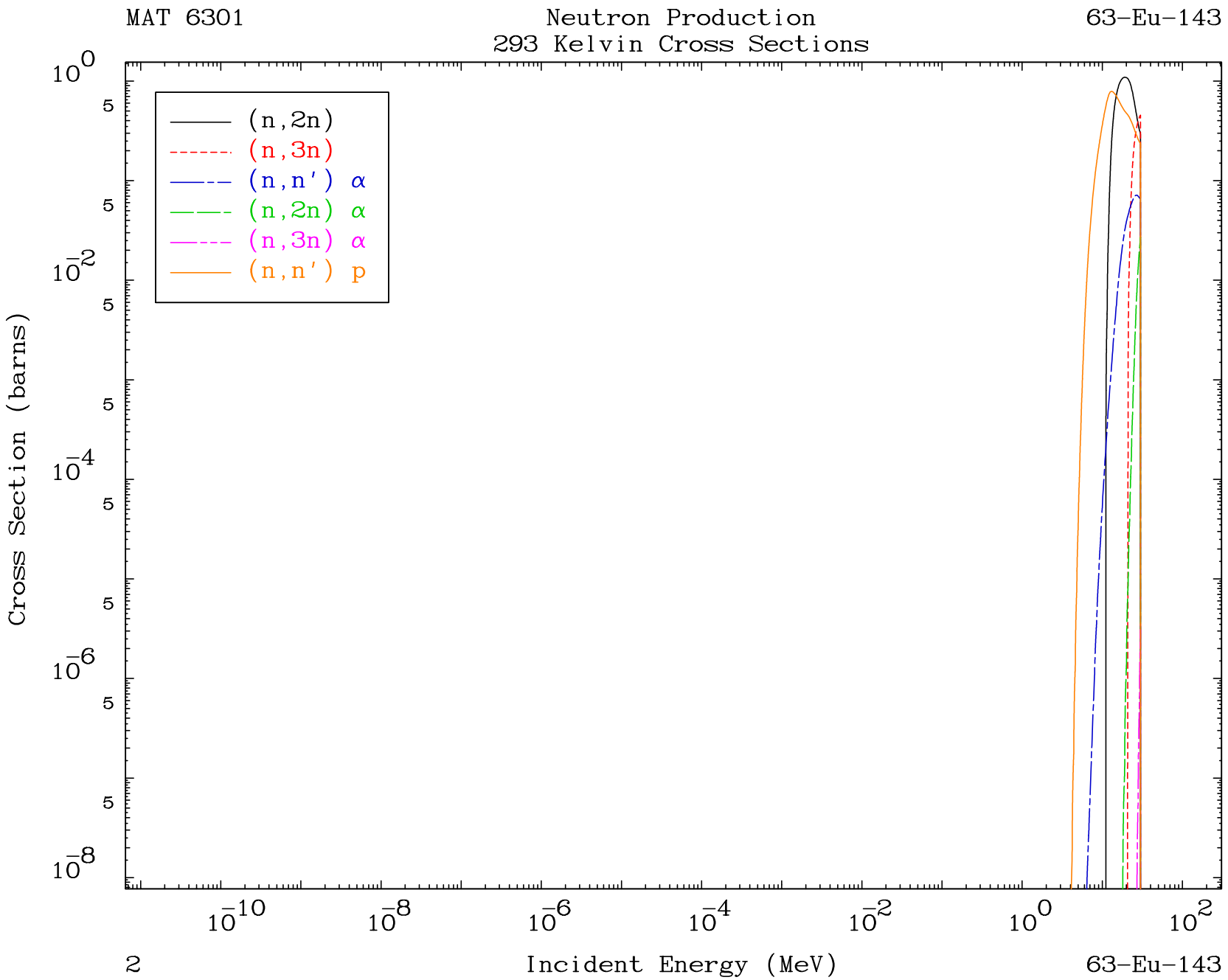
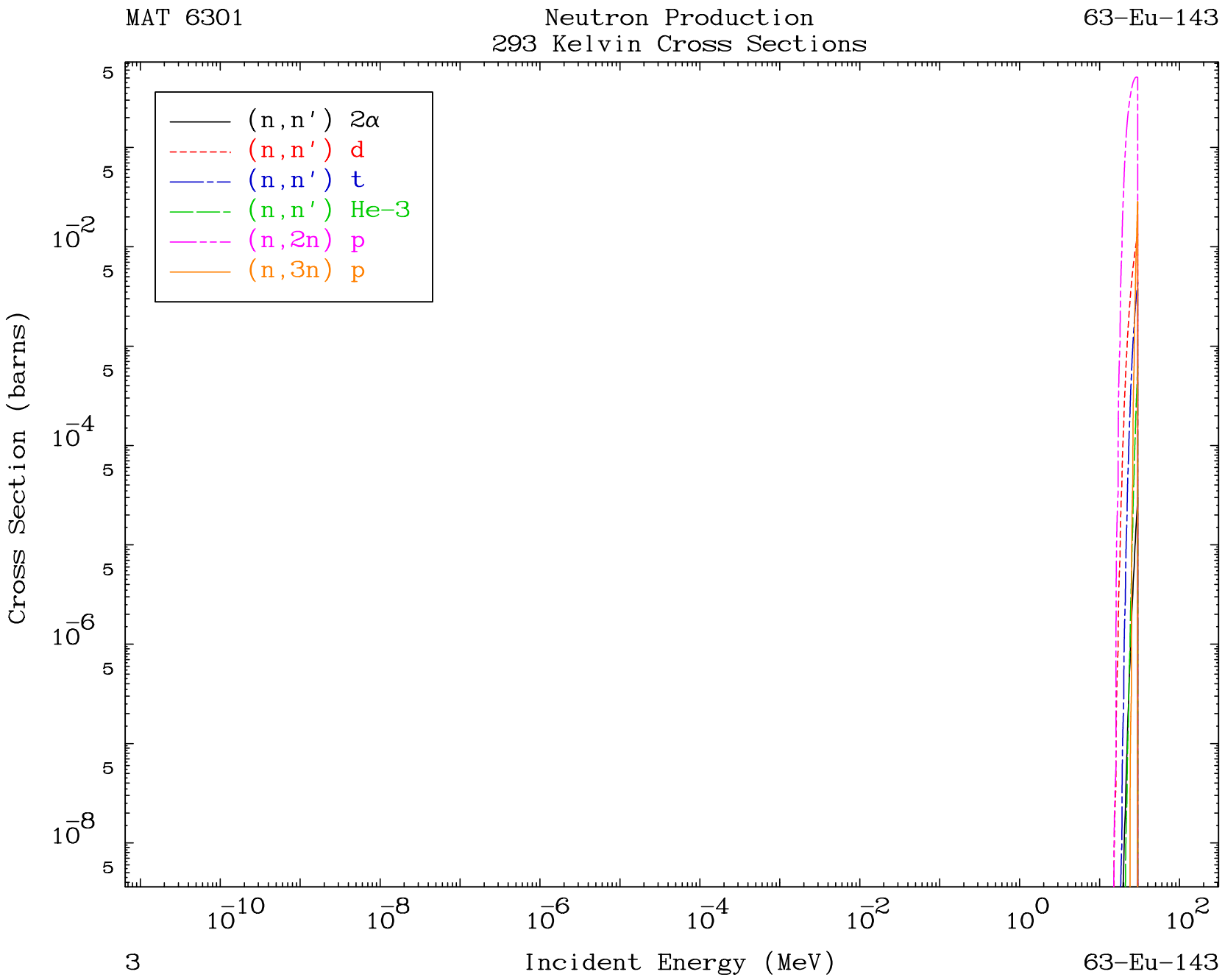
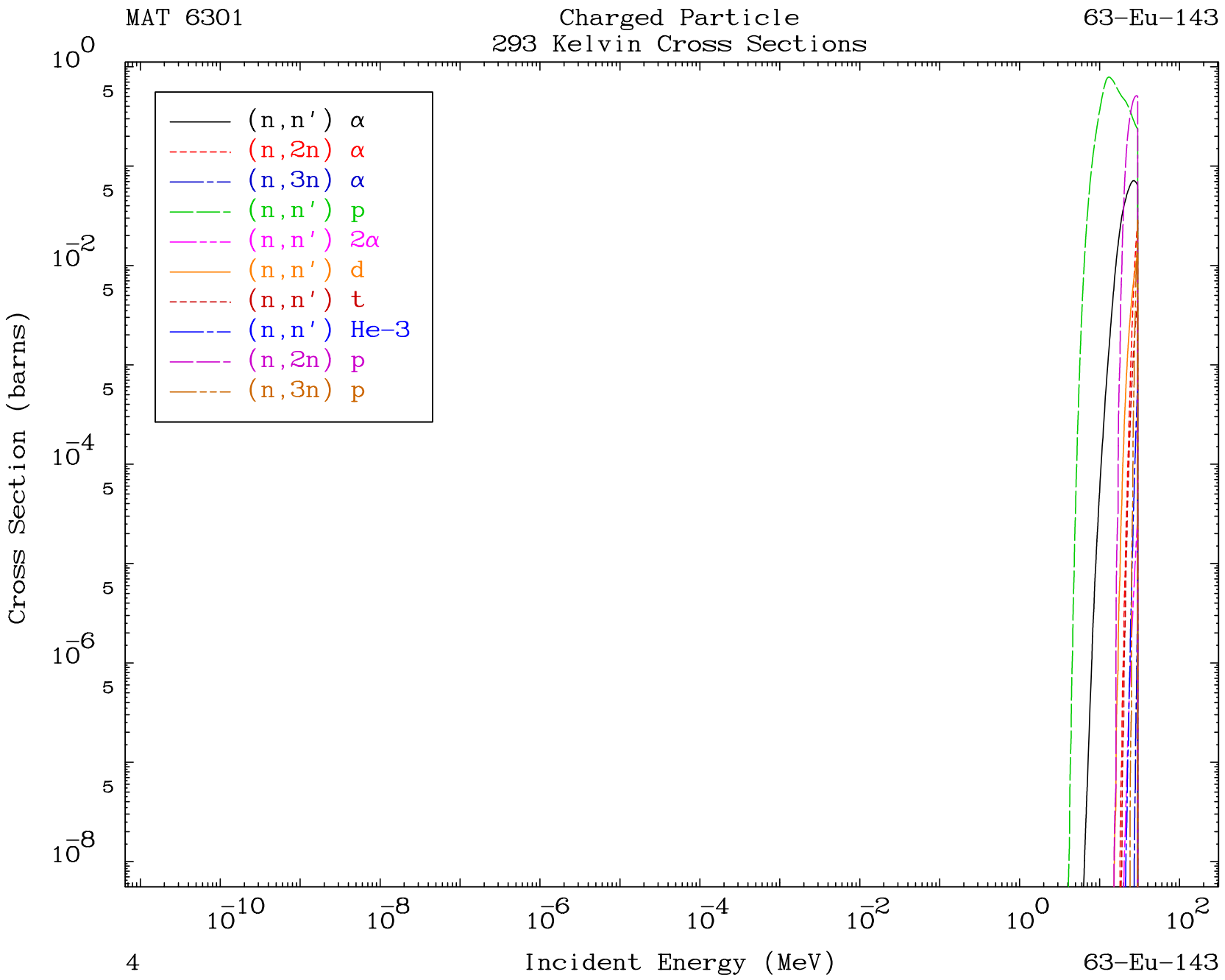
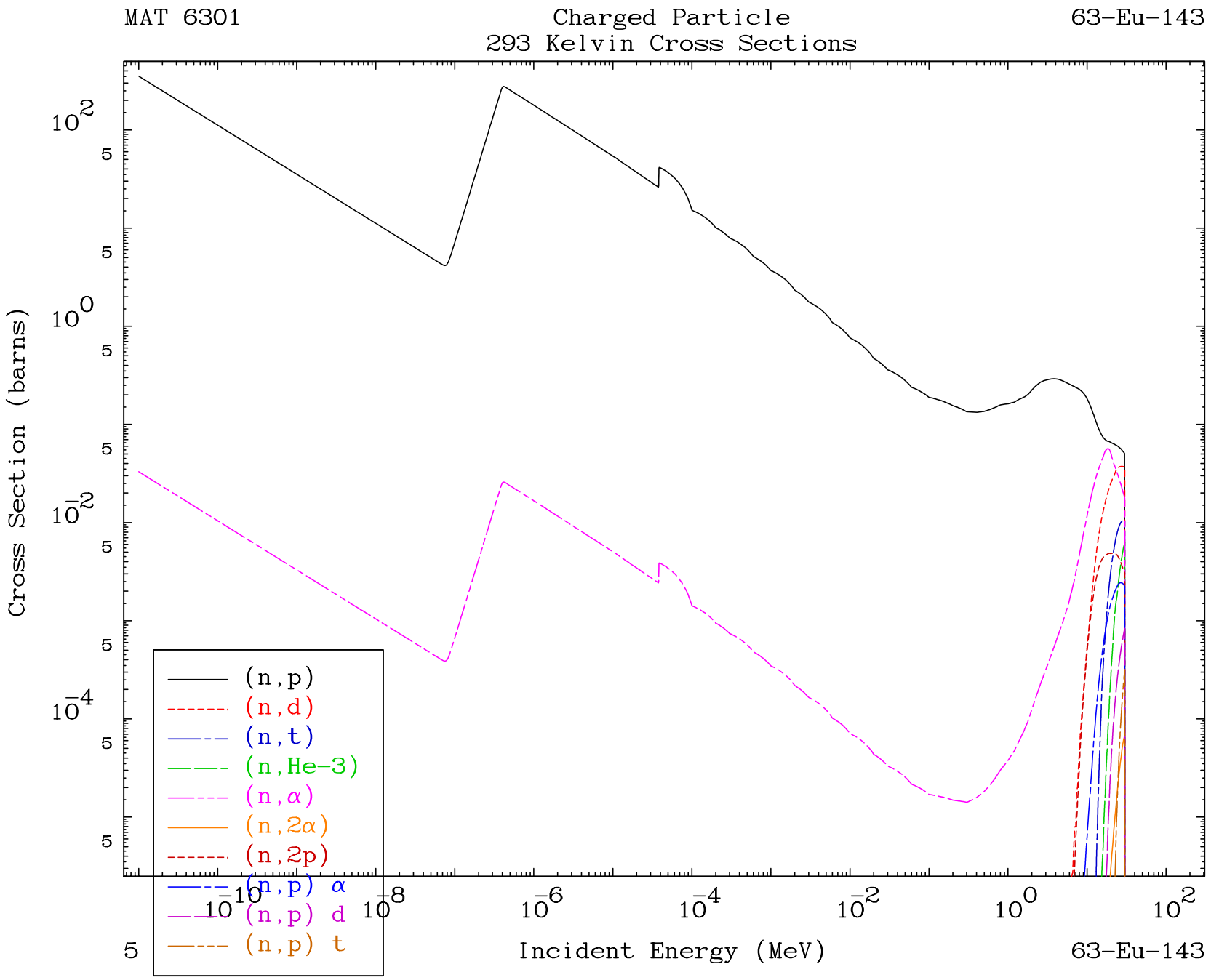
Press Mouse Button to Start

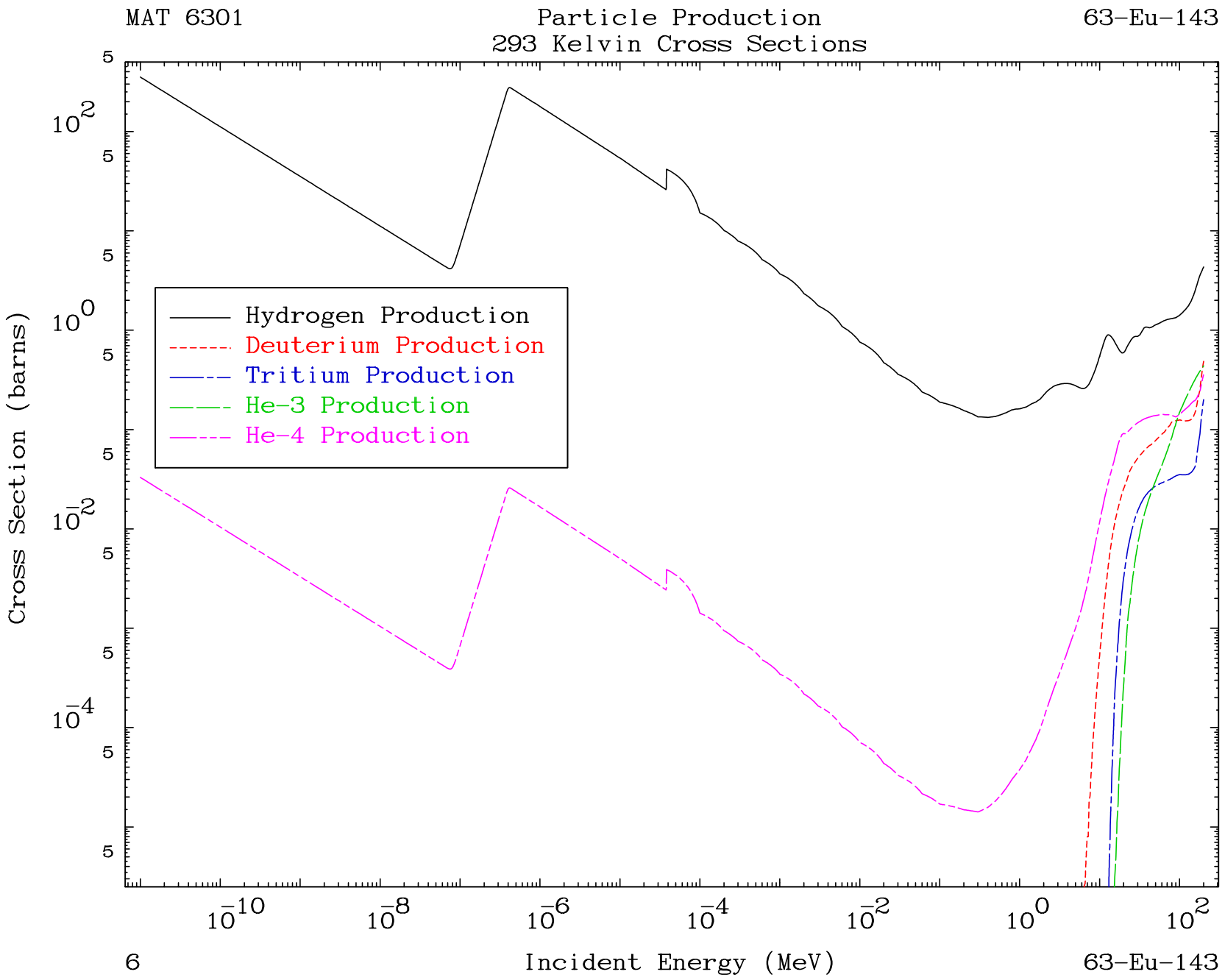

MAT 6301
Major
63-Eu-143
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
63-Eu-143

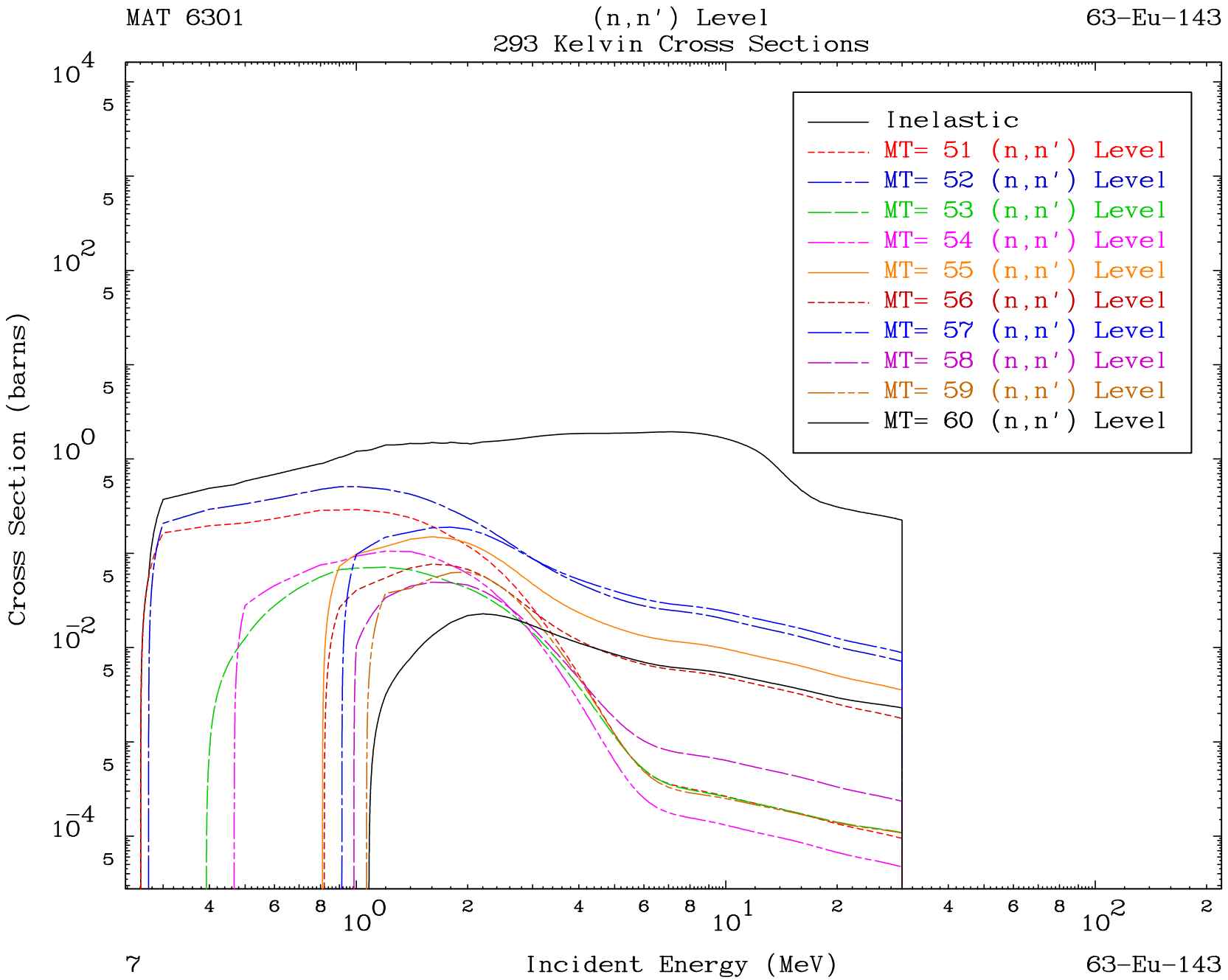

MAT 6301
Neutron Production
293 Kelvin Cross Sections
63-Eu-143
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
2
63-Eu-143

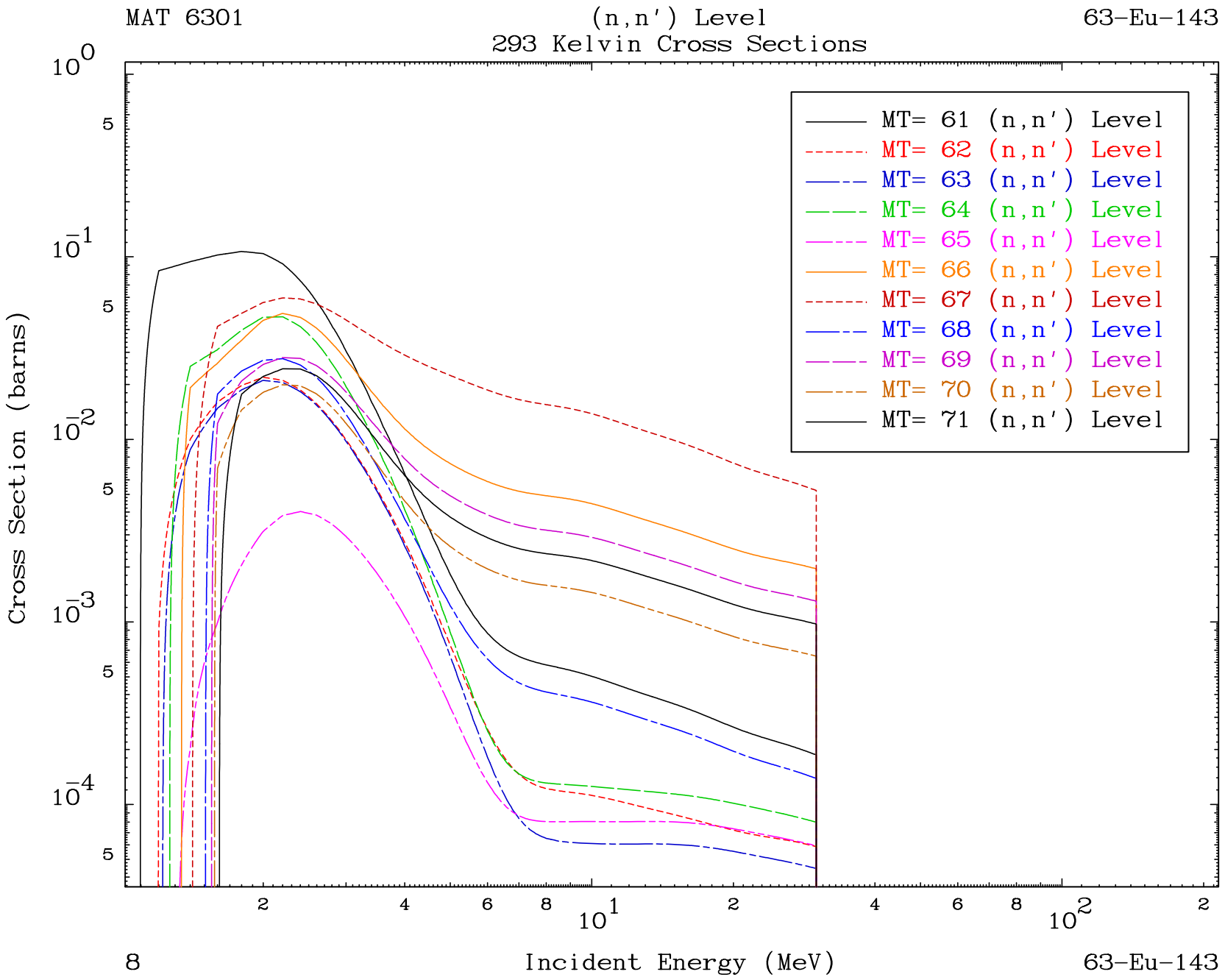

MAT 6301
Neutron Production
293 Kelvin Cross Sections
63-Eu-143
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
63-Eu-143

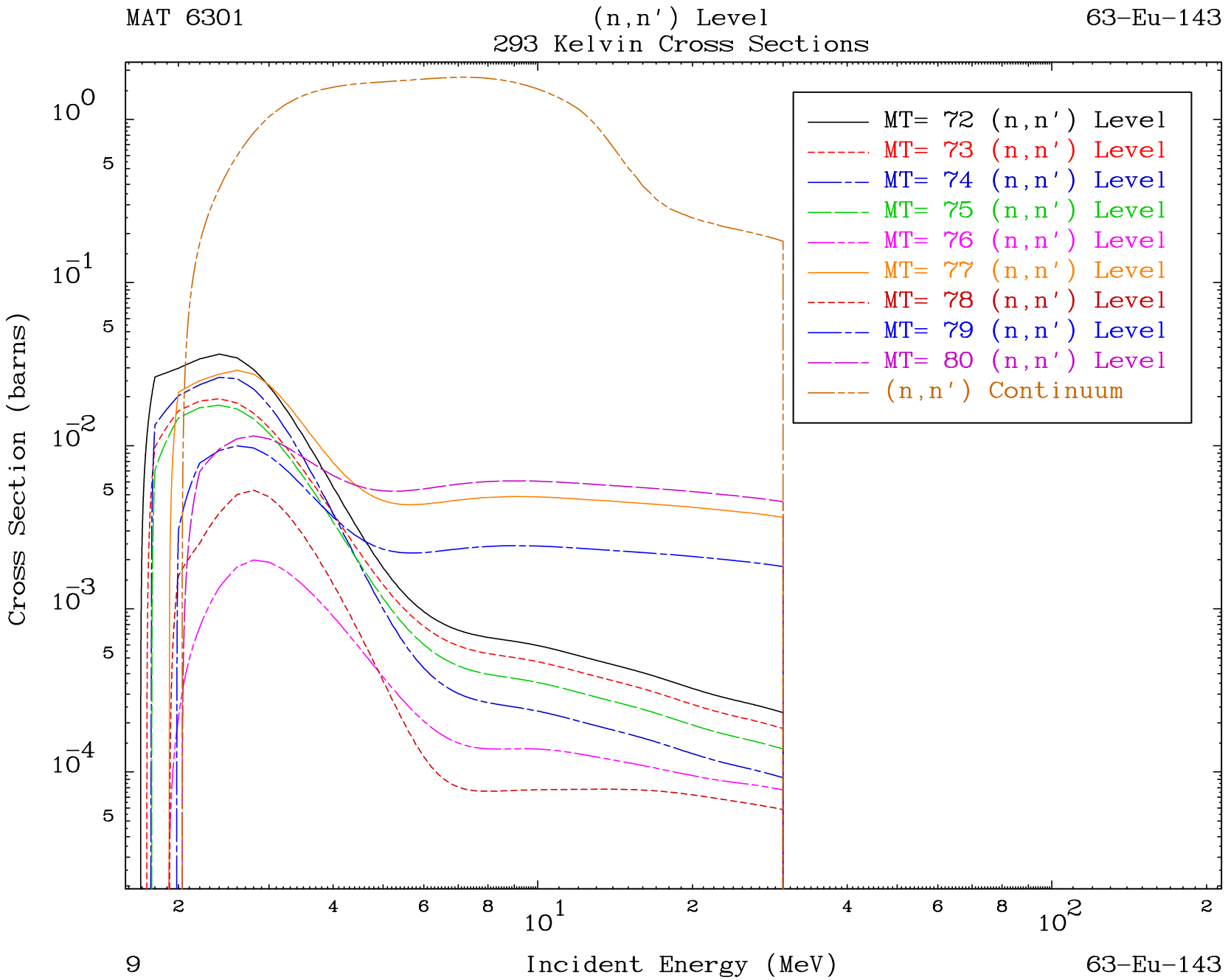

MAT 6301
Charged Particle
293 Kelvin Cross Sections
63-Eu-143
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
63-Eu-143

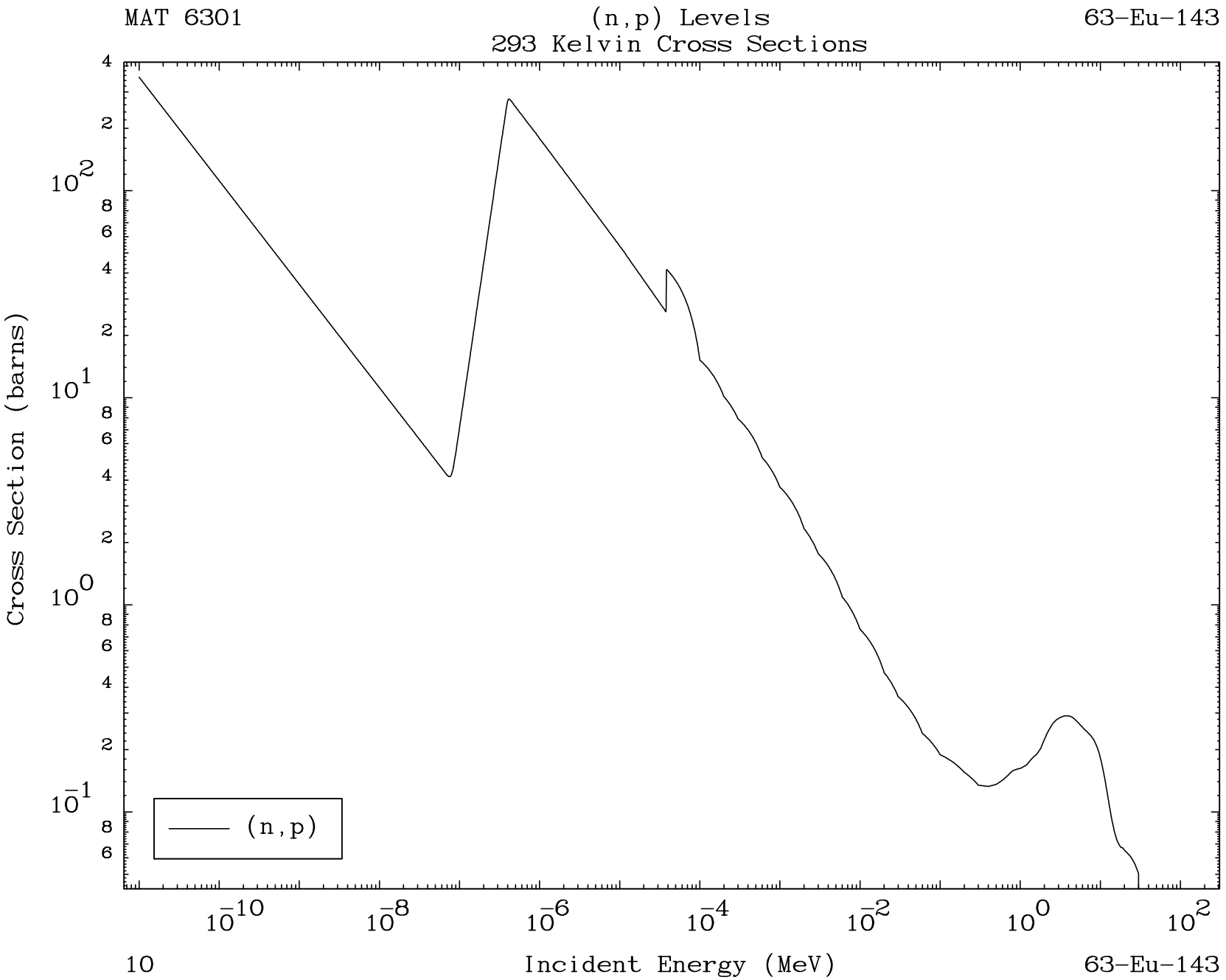

MAT 6301
Charged Particle
293 Kelvin Cross Sections
63-Eu-143
Cross Section (barns)
Incident Energy (MeV)
63-Eu-143
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t

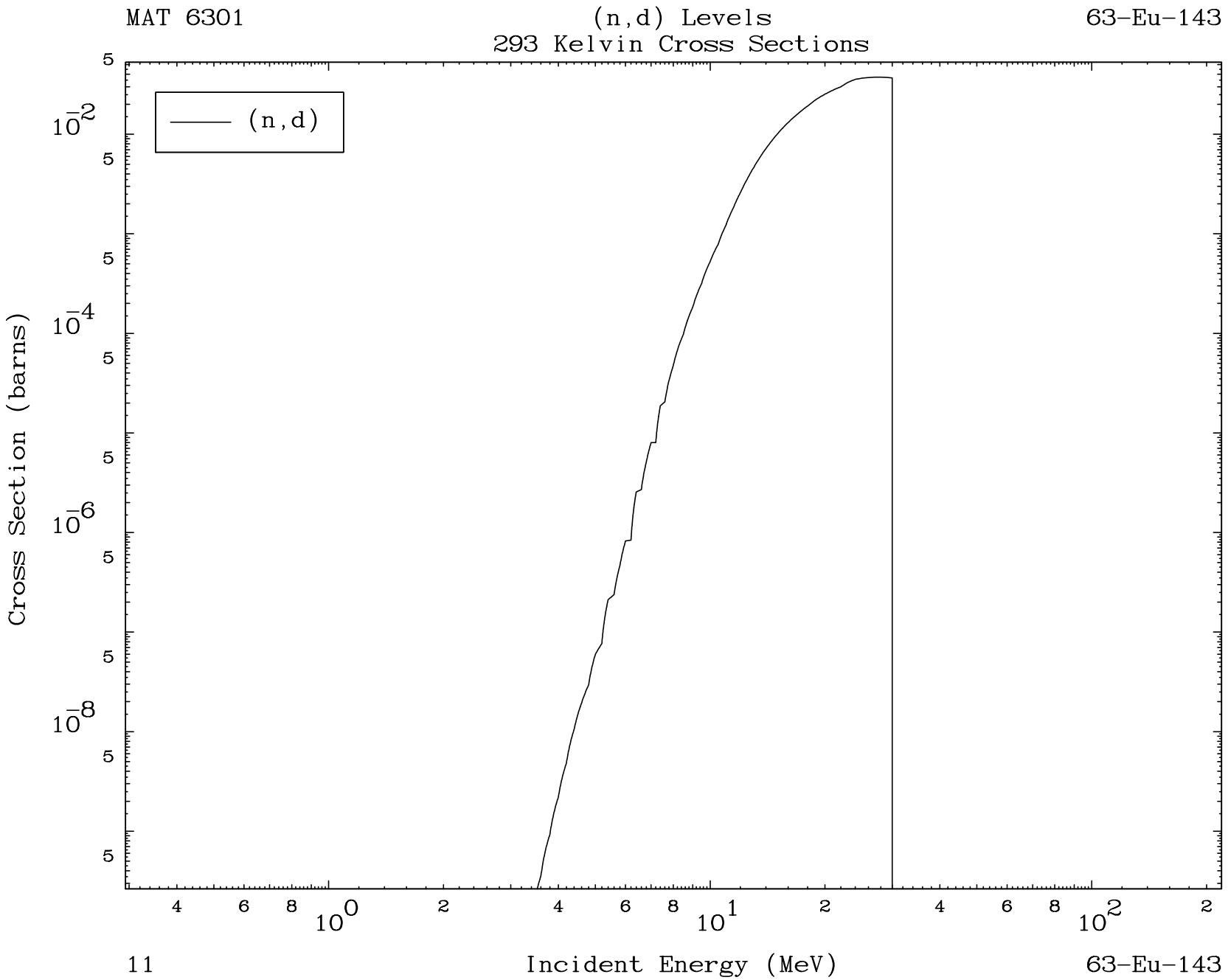

MAT 6301
Particle Production
63-Eu-143
293 Kelvin Cross Sections
Cross Section (barns)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Incident Energy (MeV)
6
63-Eu-143

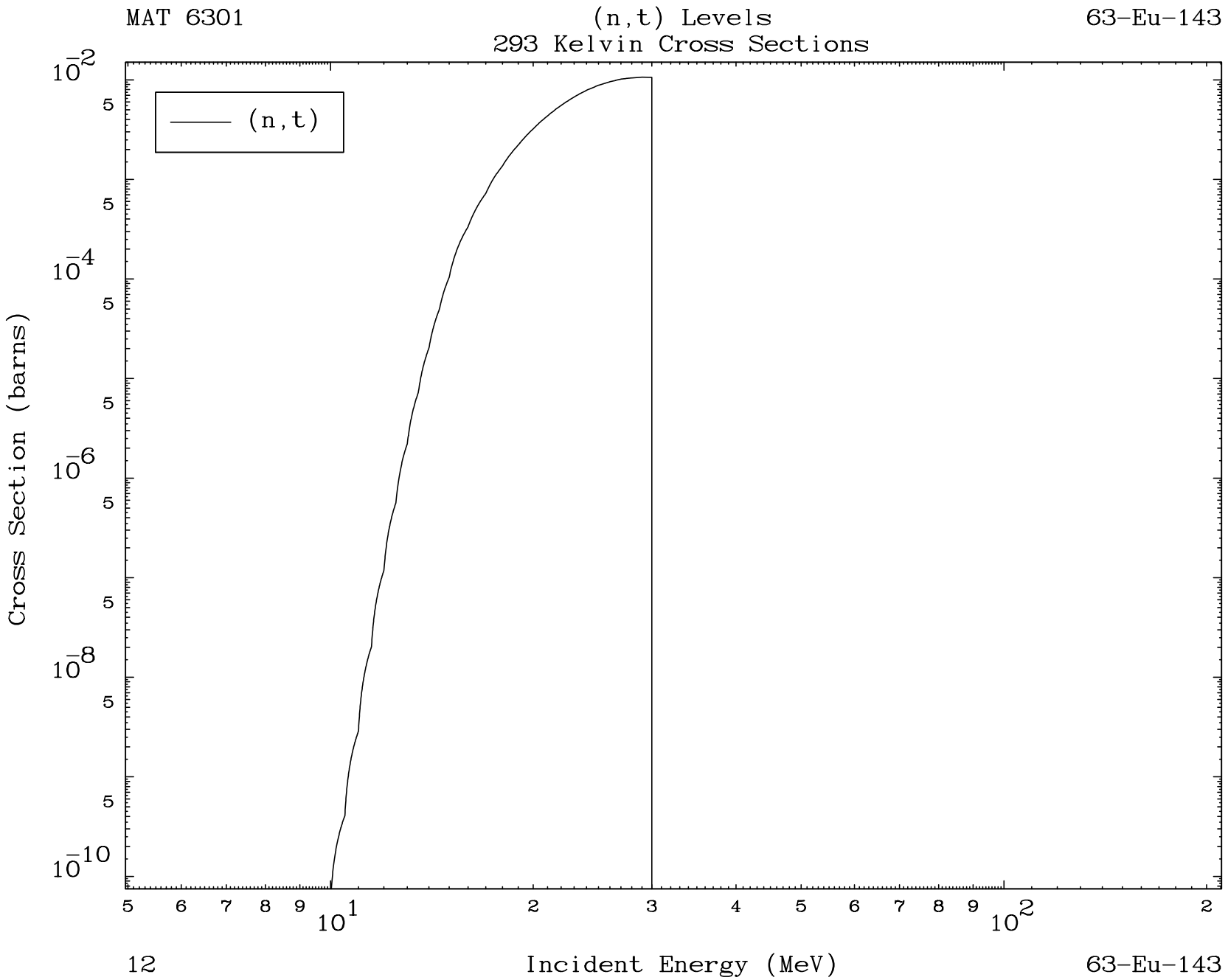

MAT 6301
(n,n') Level
293 Kelvin Cross Sections
63-Eu-143
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
7
63-Eu-143

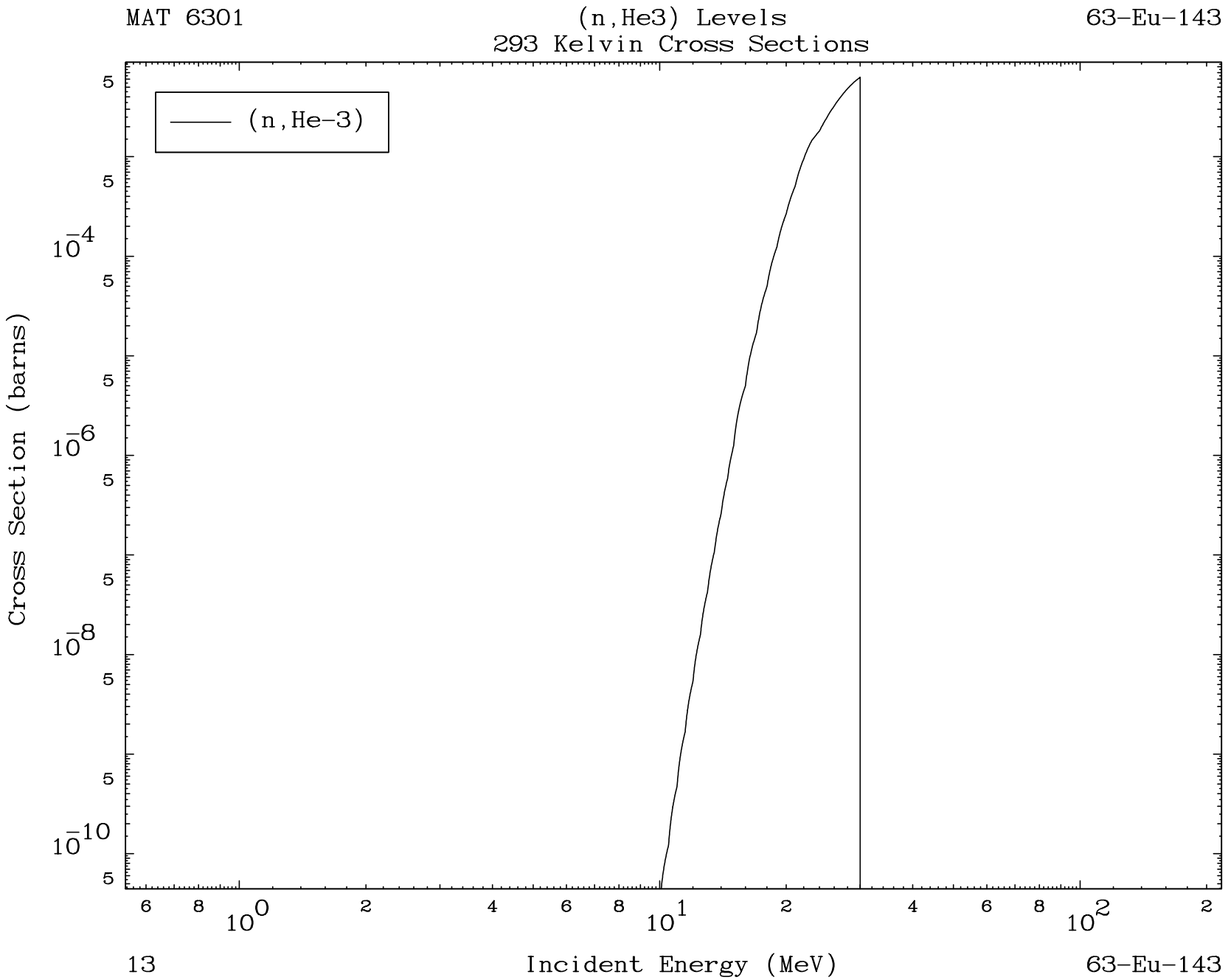

MAT 6301
(n,n') Level
293 Kelvin Cross Sections
63-Eu-143
Cross Section (barns)
Incident Energy (MeV)
63-Eu-143
8
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level

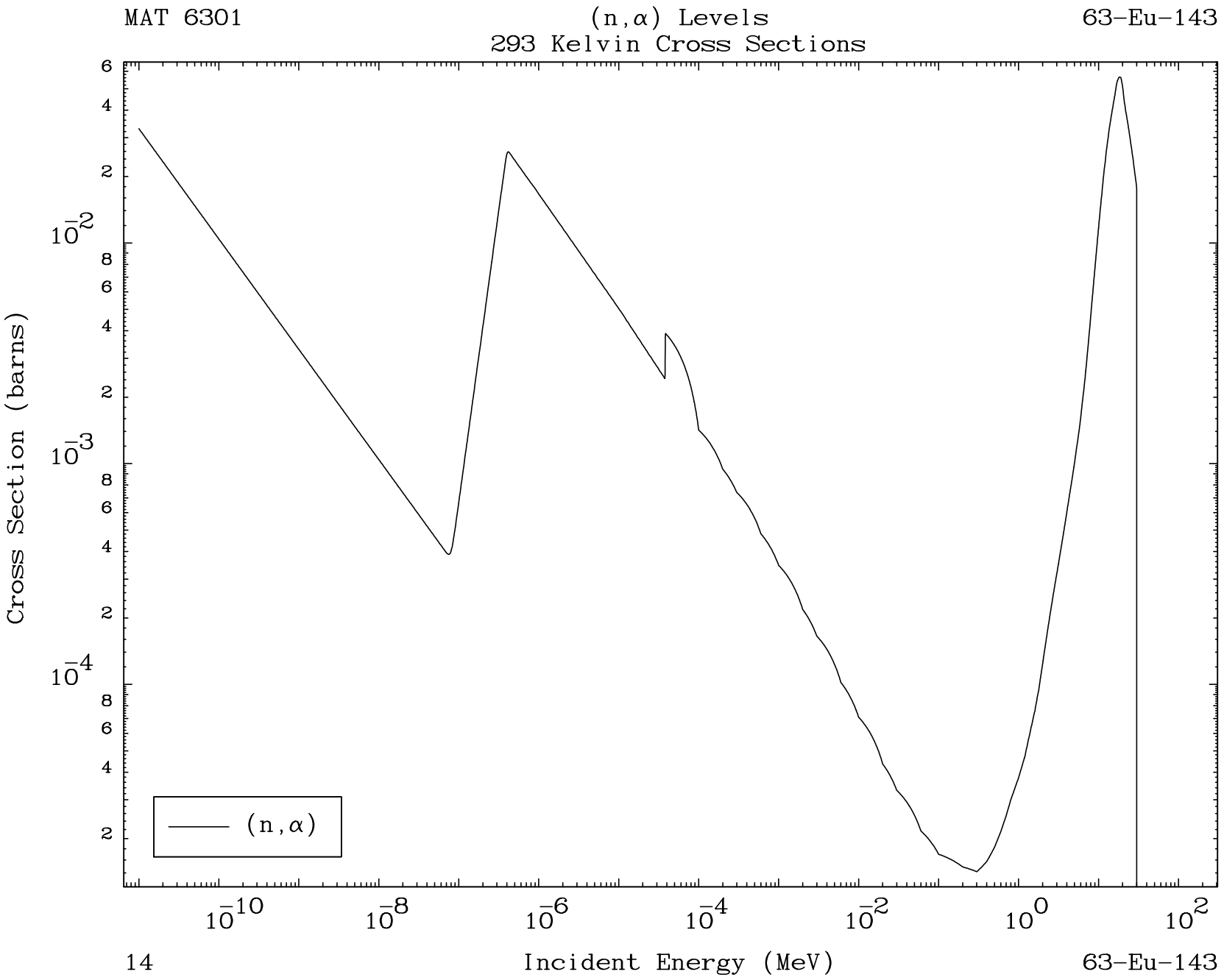

MAT 6301
(n,n') Level
293 Kelvin Cross Sections
63-Eu-143
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
63-Eu-143

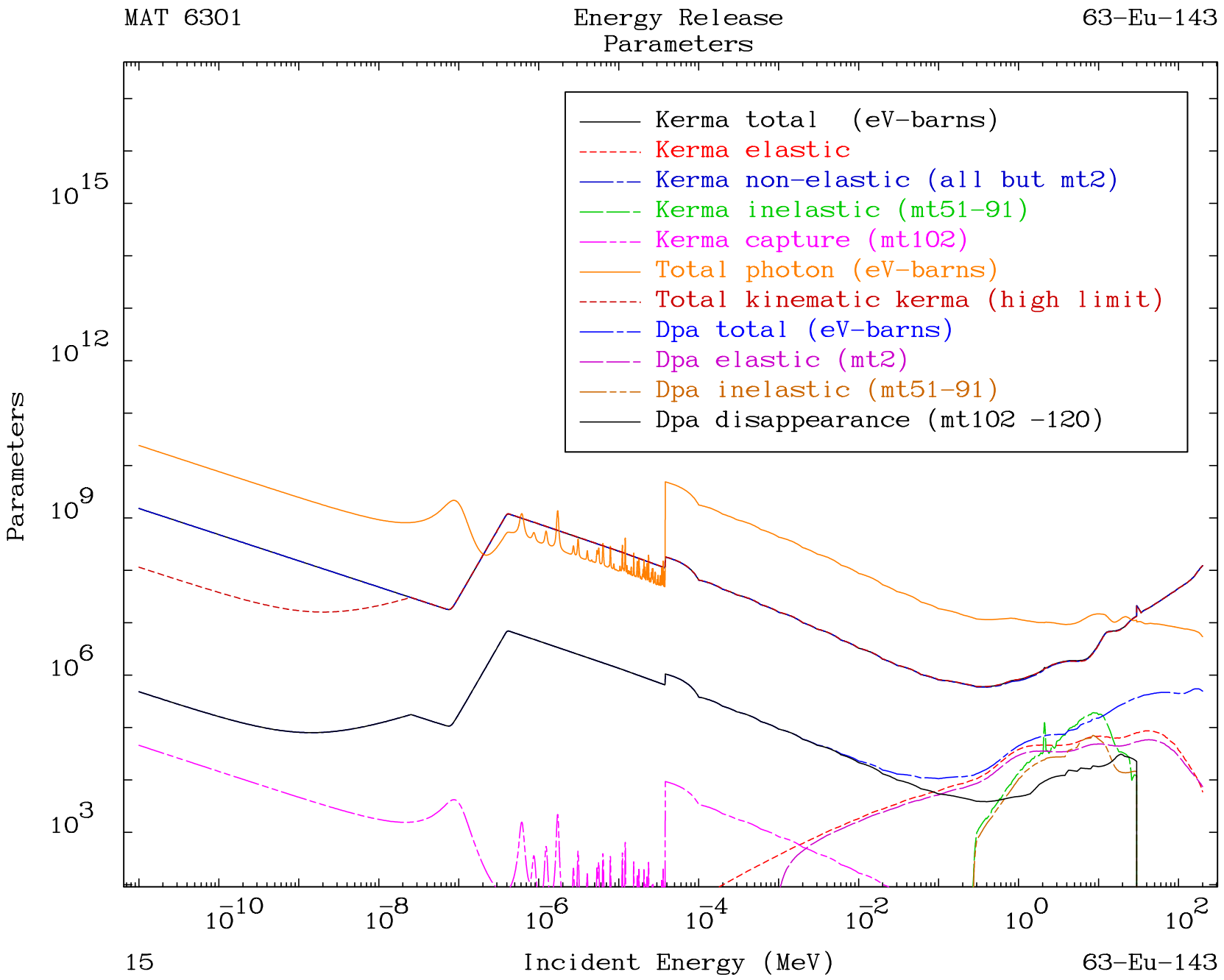

MAT 6301
(n,p) Levels
63-Eu-143
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
10
63-Eu-143

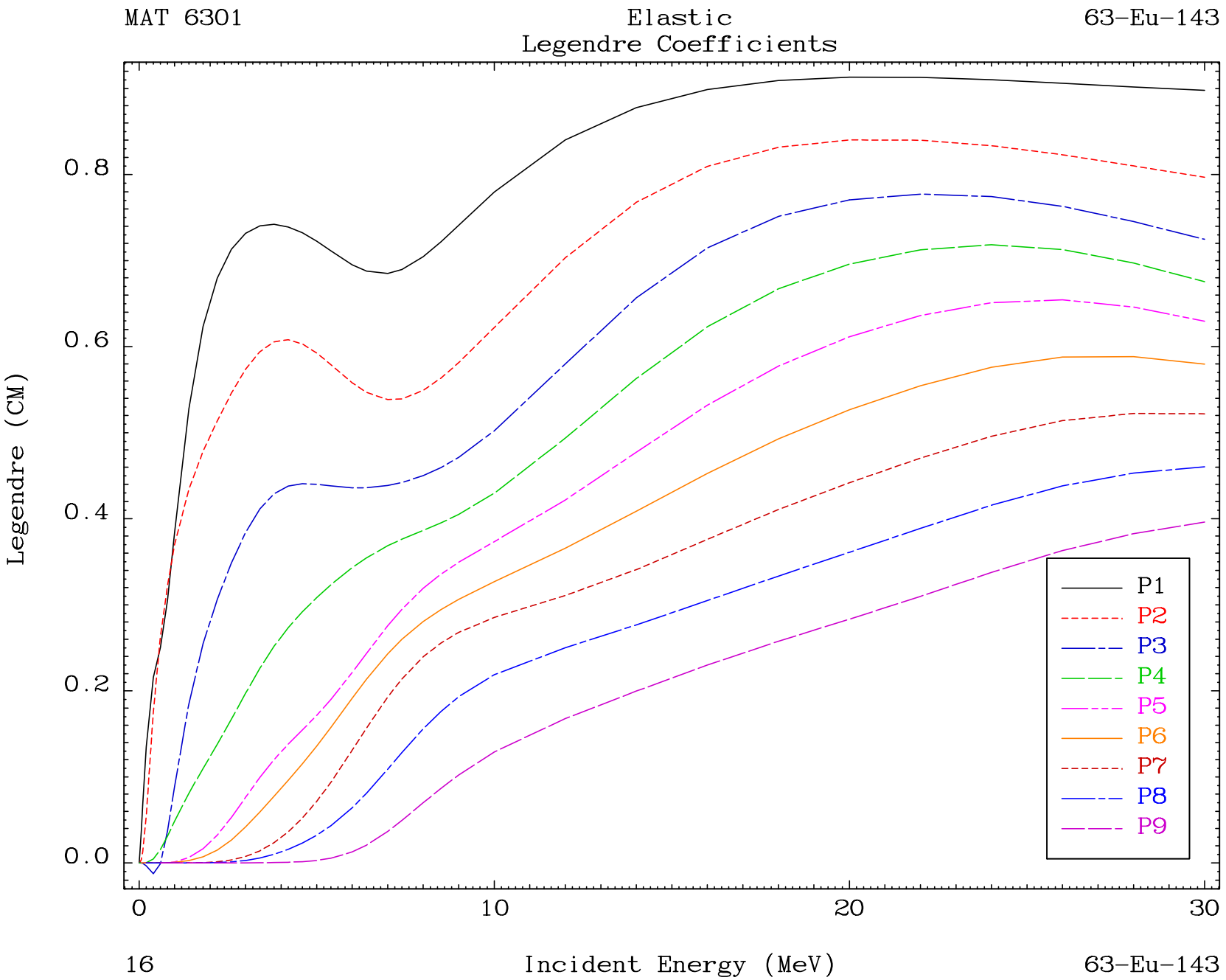

MAT 6301
(n,d) Levels
63-Eu-143
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
63-Eu-143

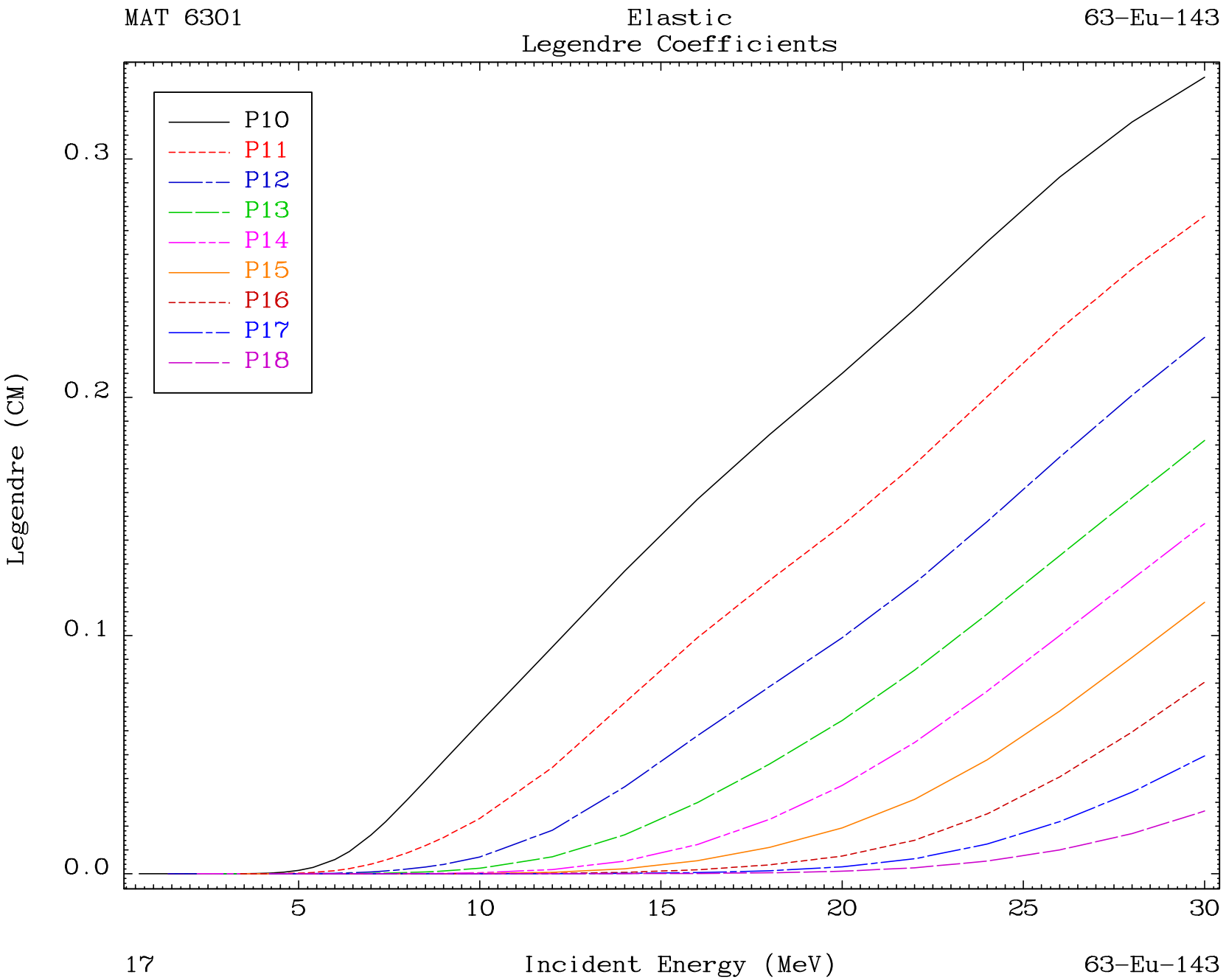

MAT 6301
(n,t) Levels
63-Eu-143
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
63-Eu-143

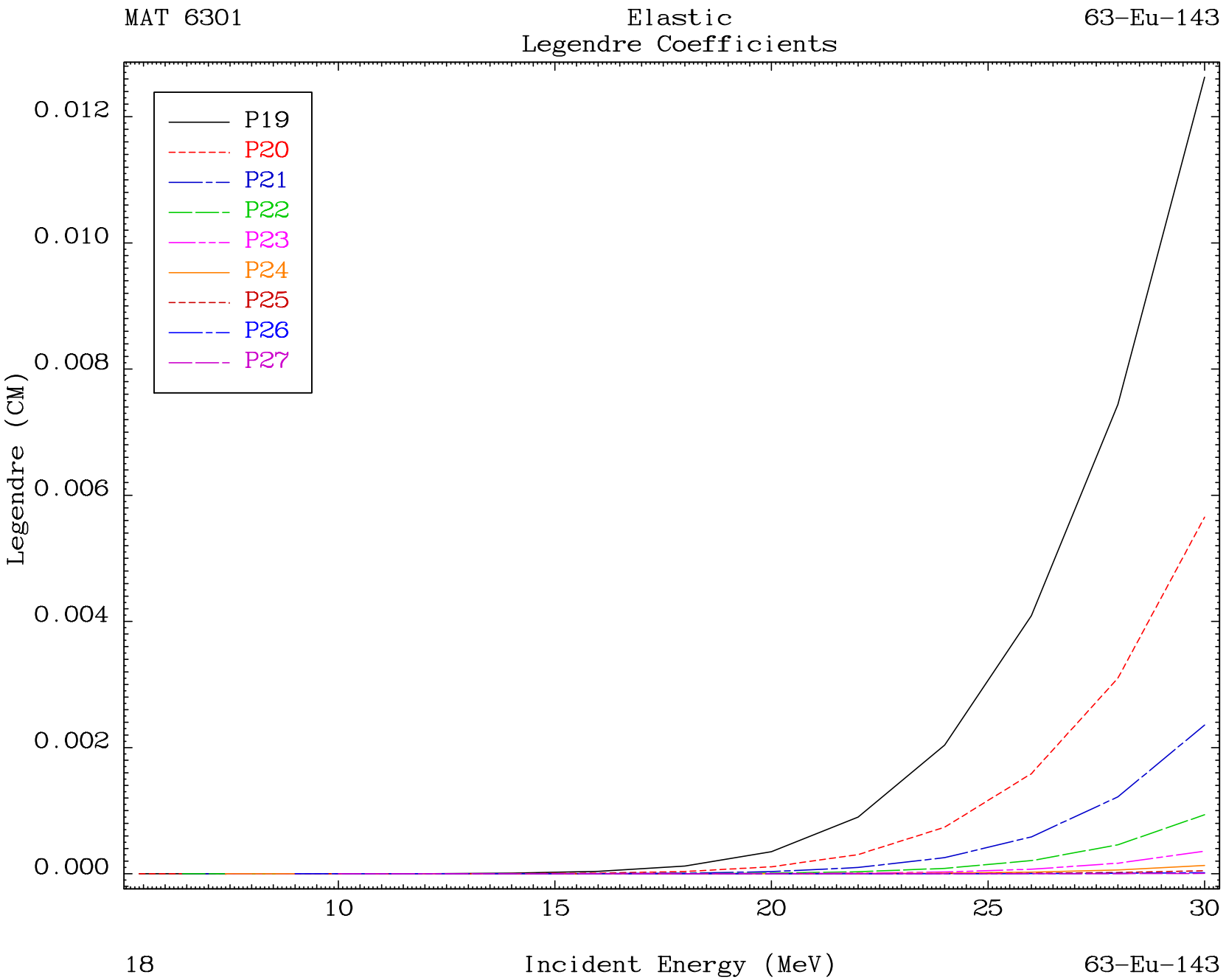

MAT 6301
(n,He3) Levels
63-Eu-143
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
13
63-Eu-143

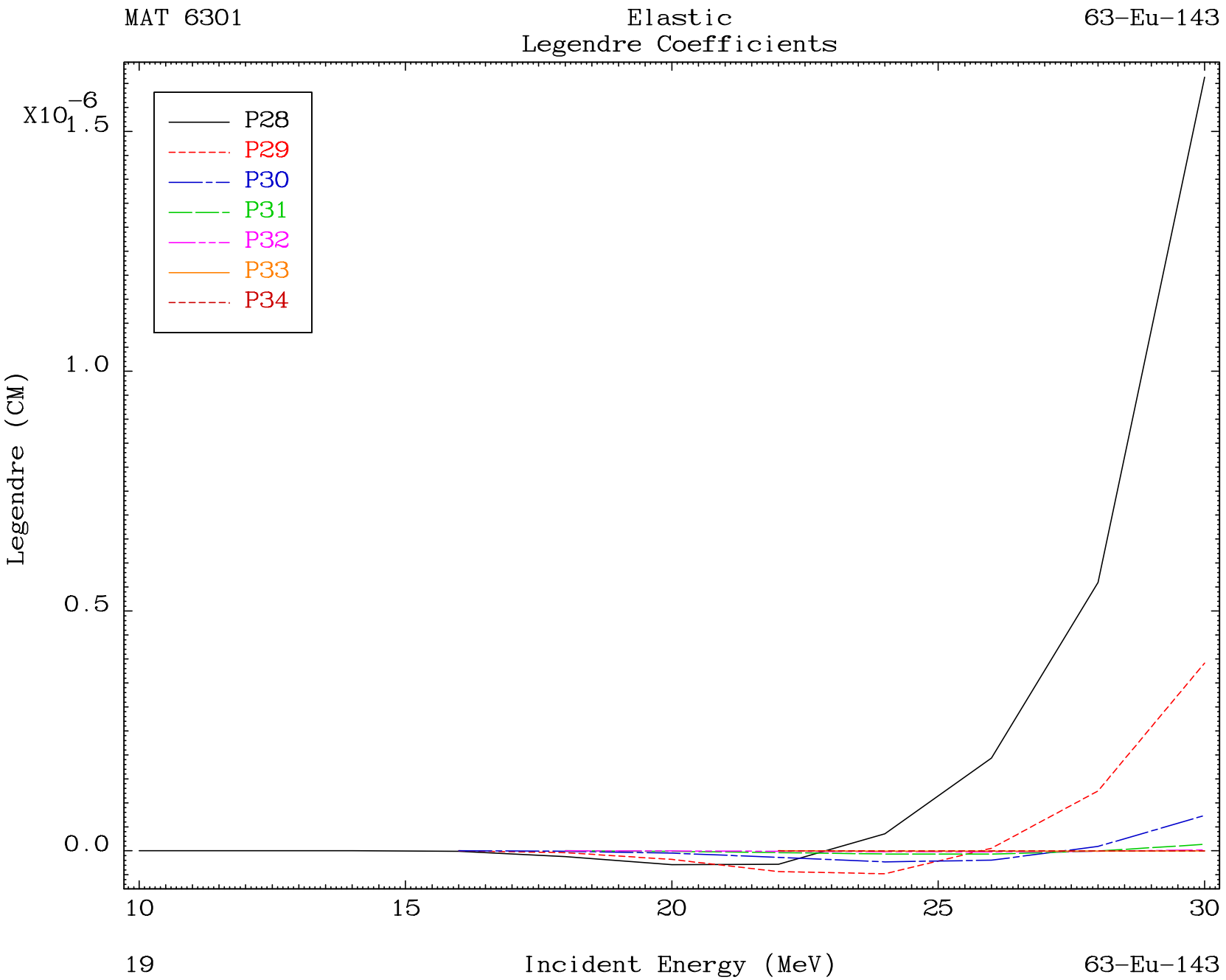

MAT 6301
(n,α) Levels
63-Eu-143
293 Kelvin Cross Sections
Cross Section (barns)
6
4
2
10-2
8
6
4
2
10-3
8
6
4
2
10-4
8
6
4
2
(n,α)
10-10
10-8
10-6
10-4
10-2
100
102
14
Incident Energy (MeV)
63-Eu-143

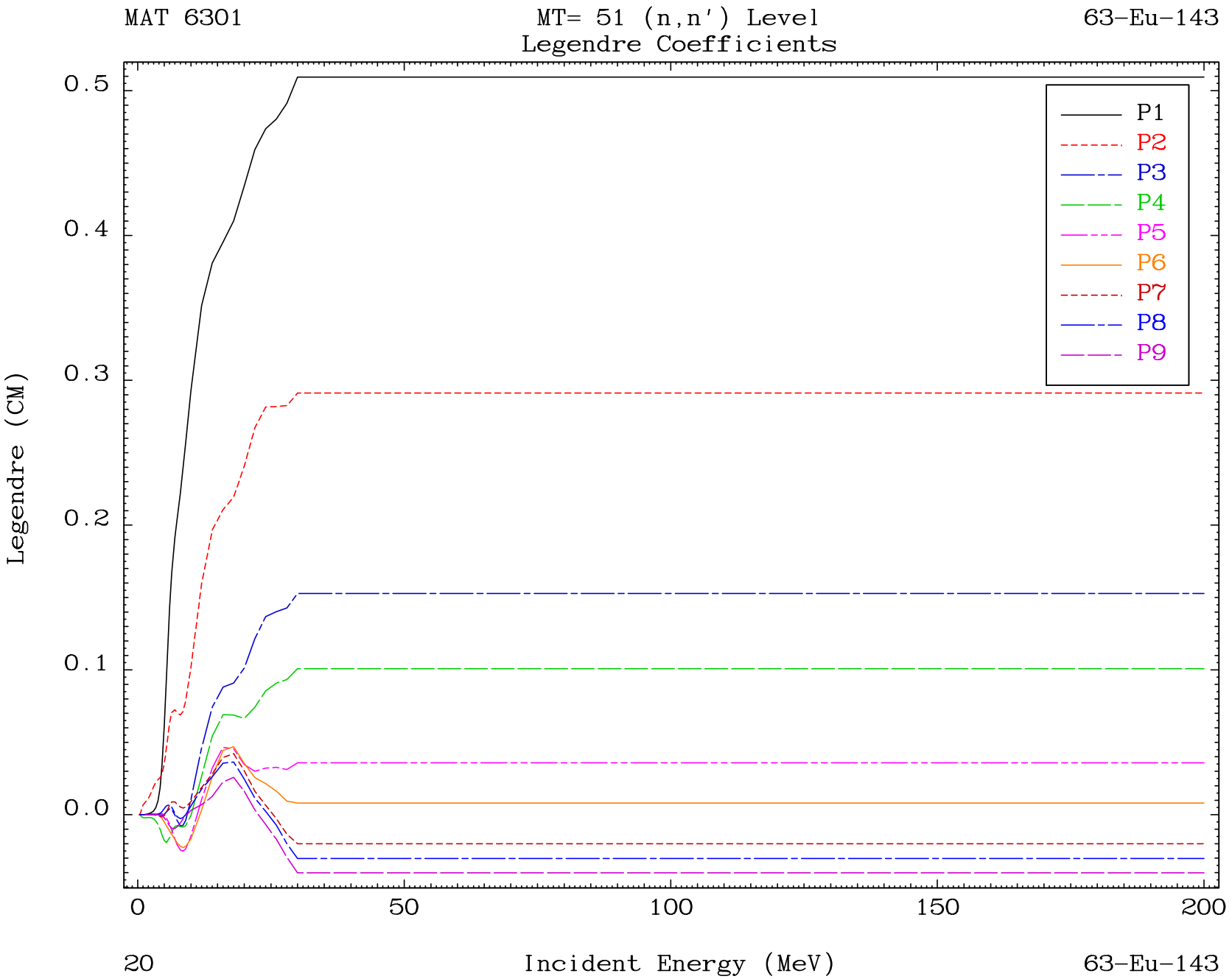

MAT 6301
Energy Release
Parameters
63-Eu-143
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^15
10^12
10^9
10^6
10^3
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
15
Incident Energy (MeV)
63-Eu-143

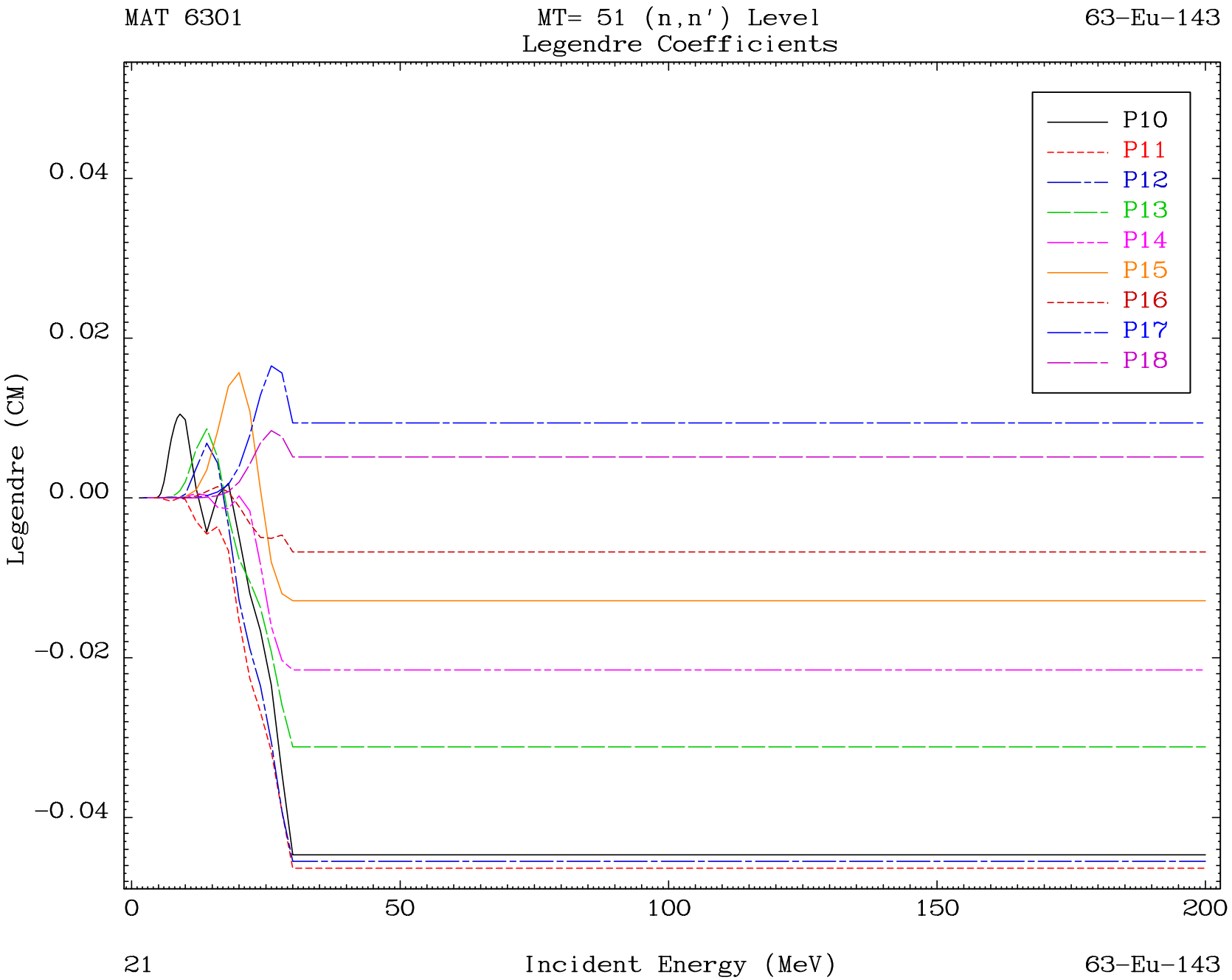

MAT 6301
Elastic
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

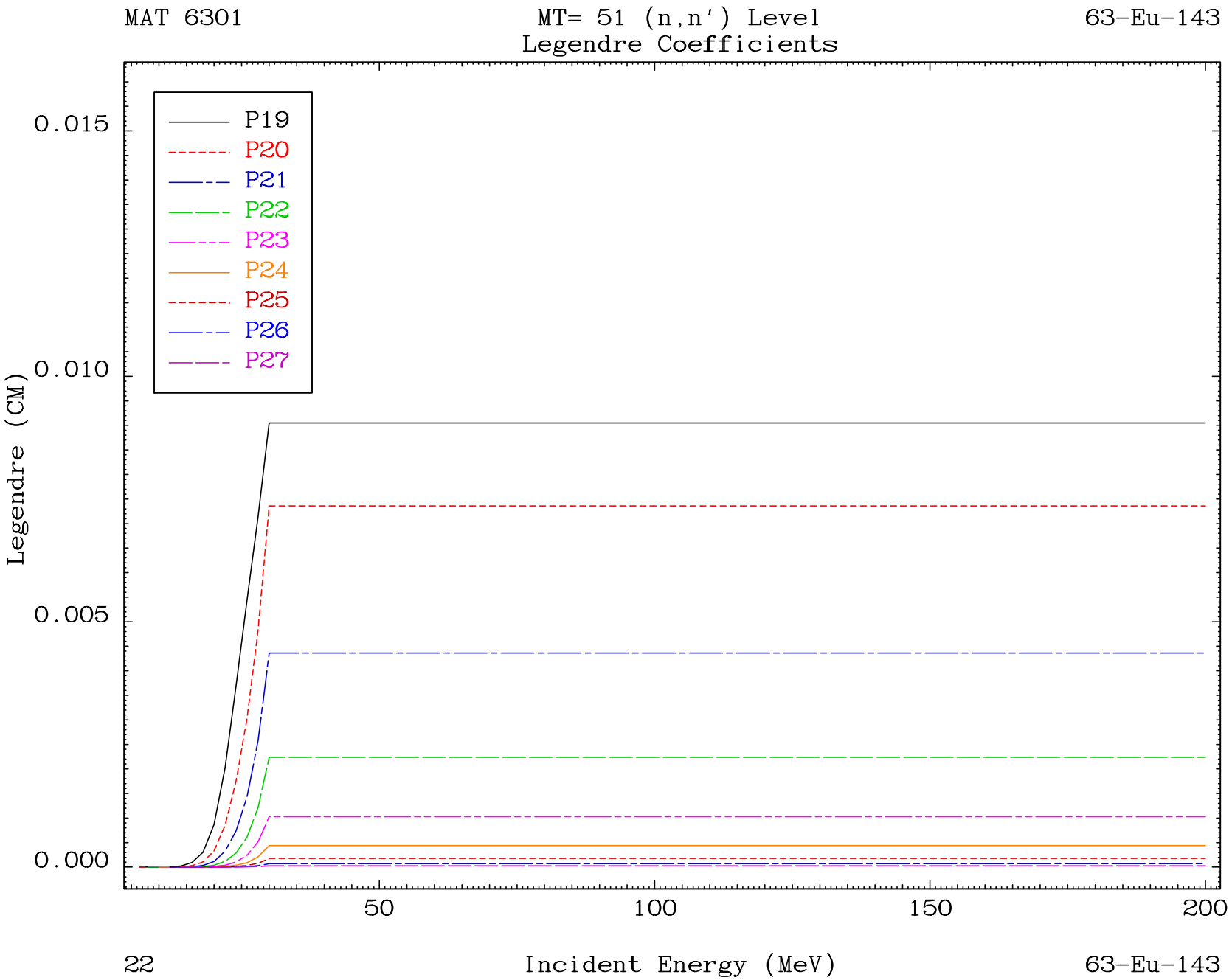

MAT 6301
Elastic
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
63-Eu-143

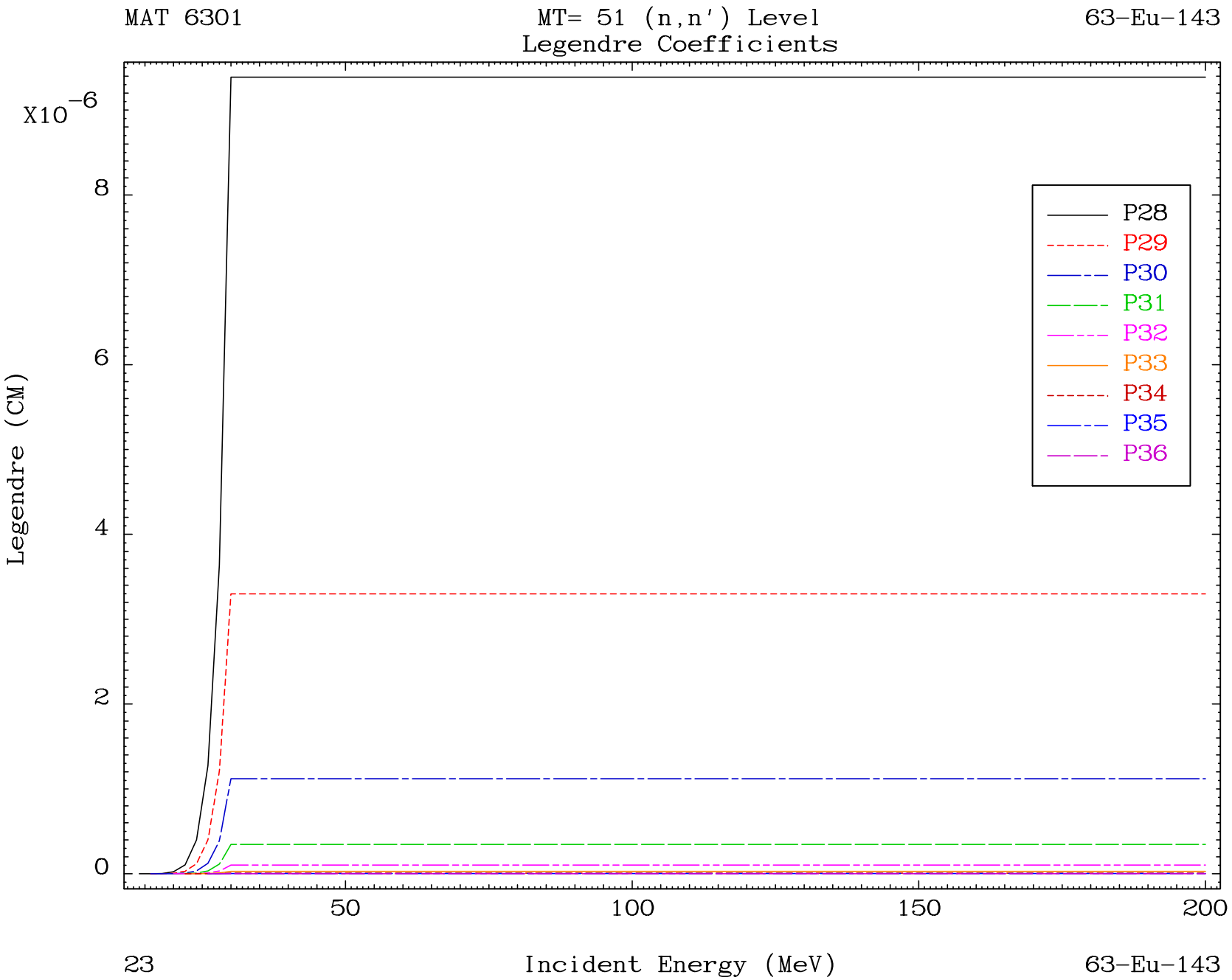

MAT 6301
Elastic
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
63-Eu-143

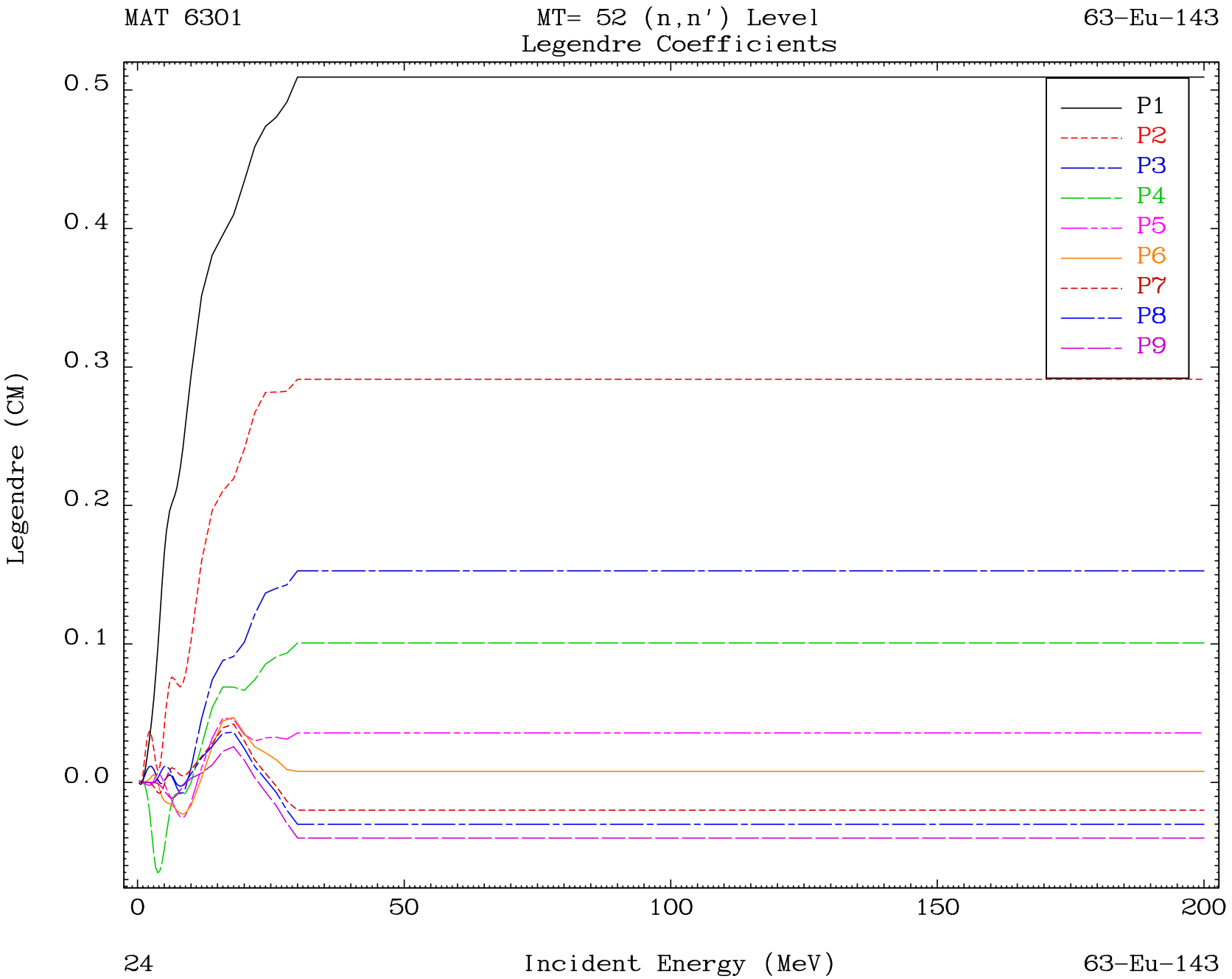

MAT 6301
Elastic
Legendre Coefficients
63-Eu-143
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
63-Eu-143

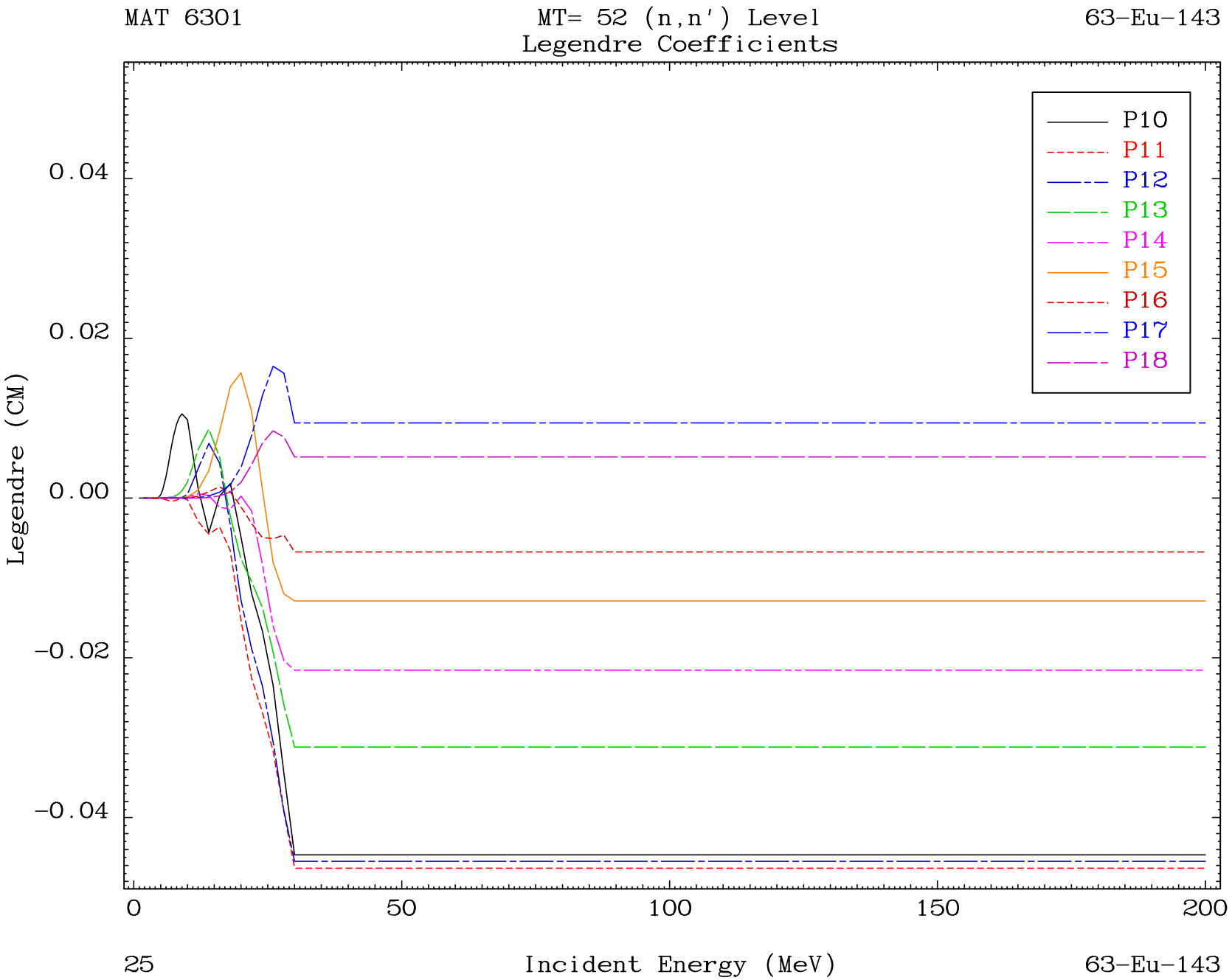

MAT 6301
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
20
Incident Energy (MeV)
63-Eu-143

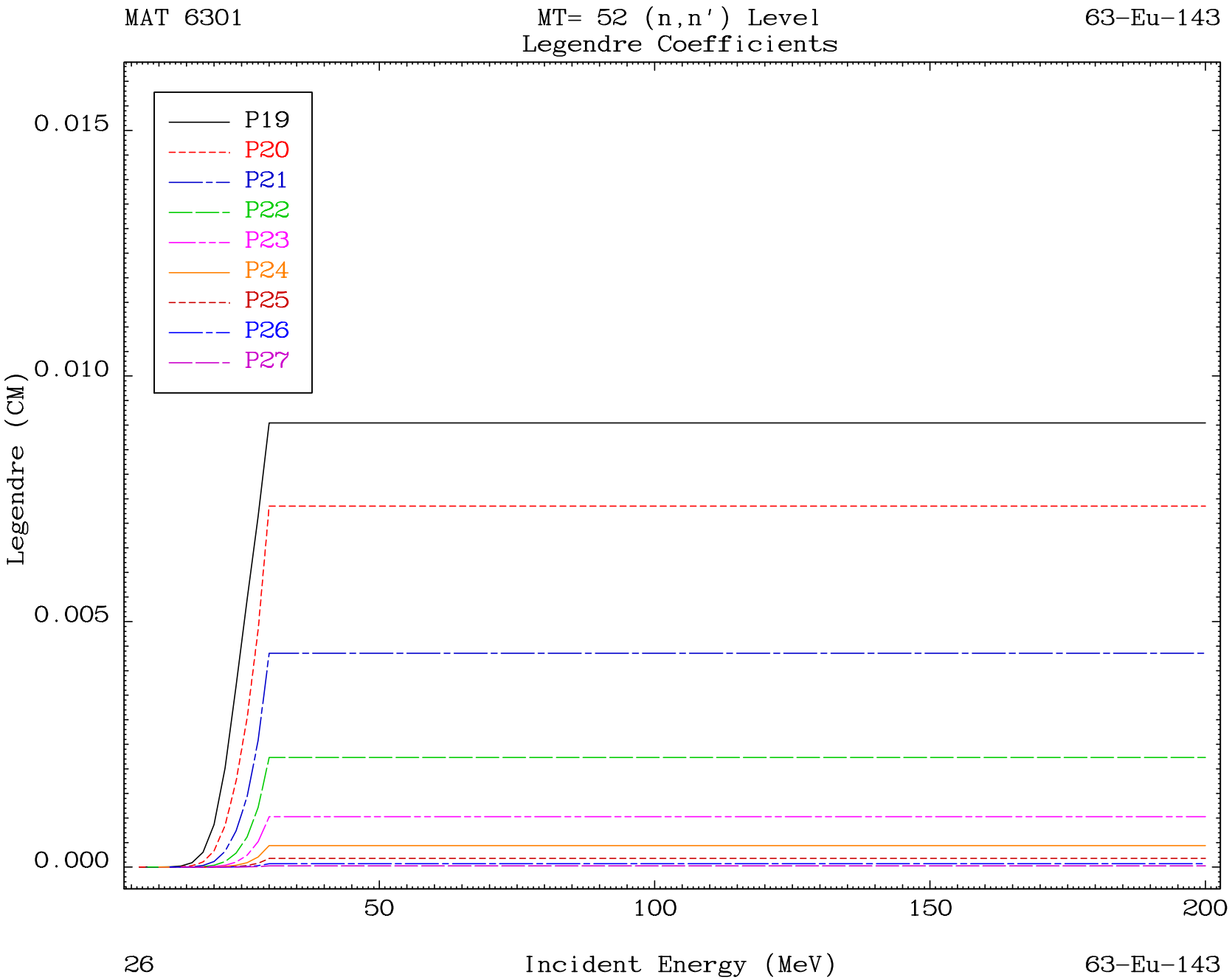

MAT 6301
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
63-Eu-143

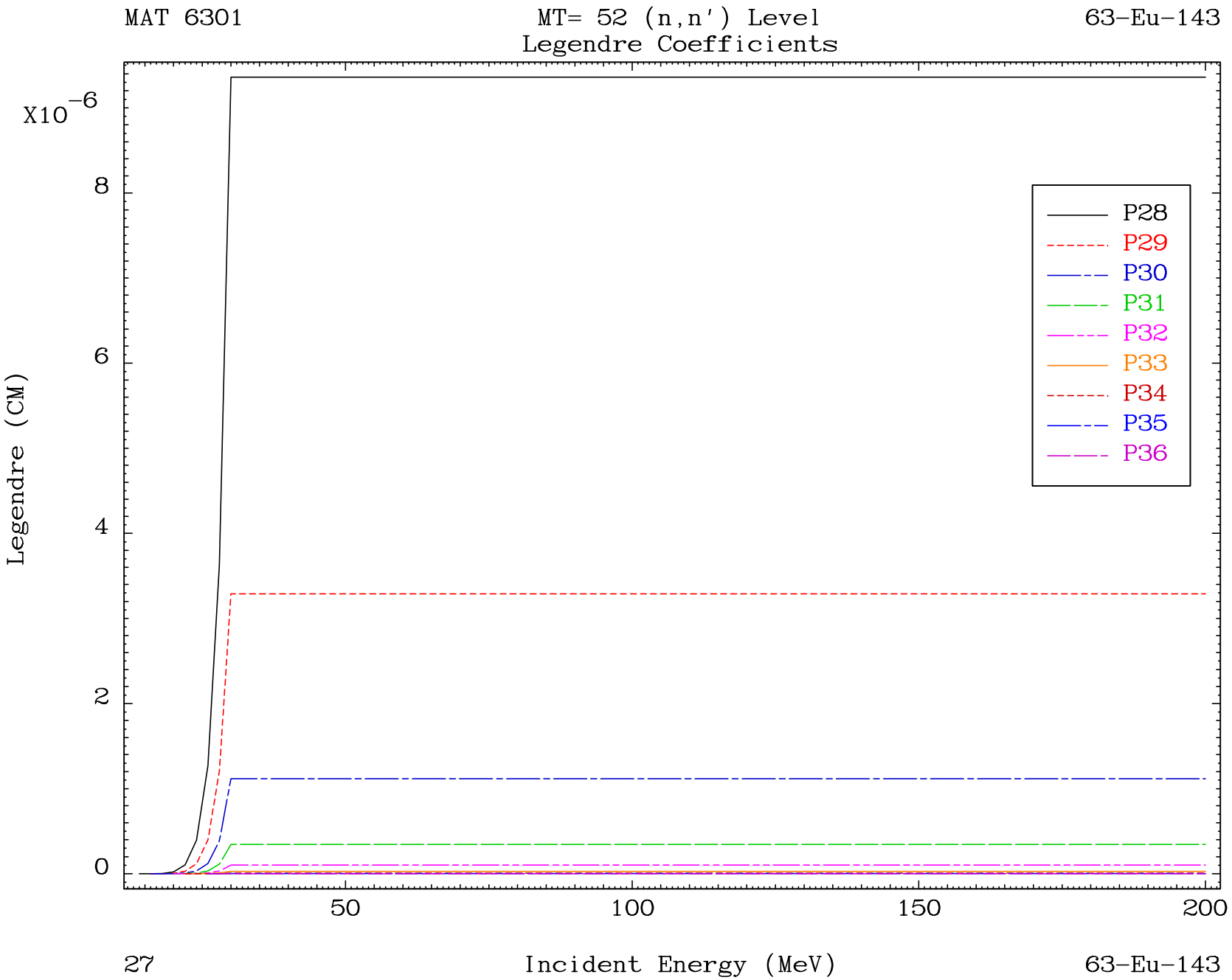

MAT 6301
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
63-Eu-143

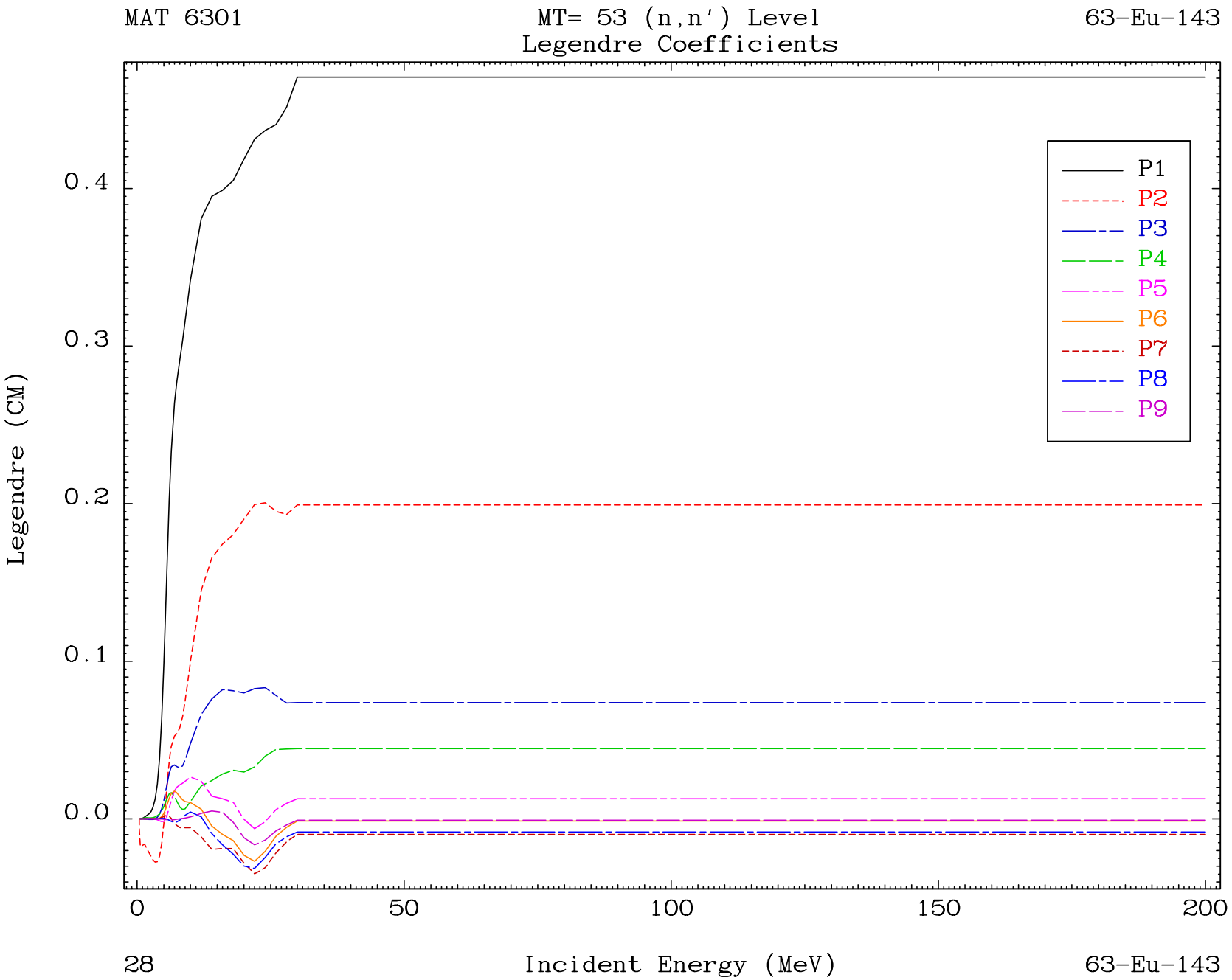

MAT 6301
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
23
Incident Energy (MeV)
63-Eu-143

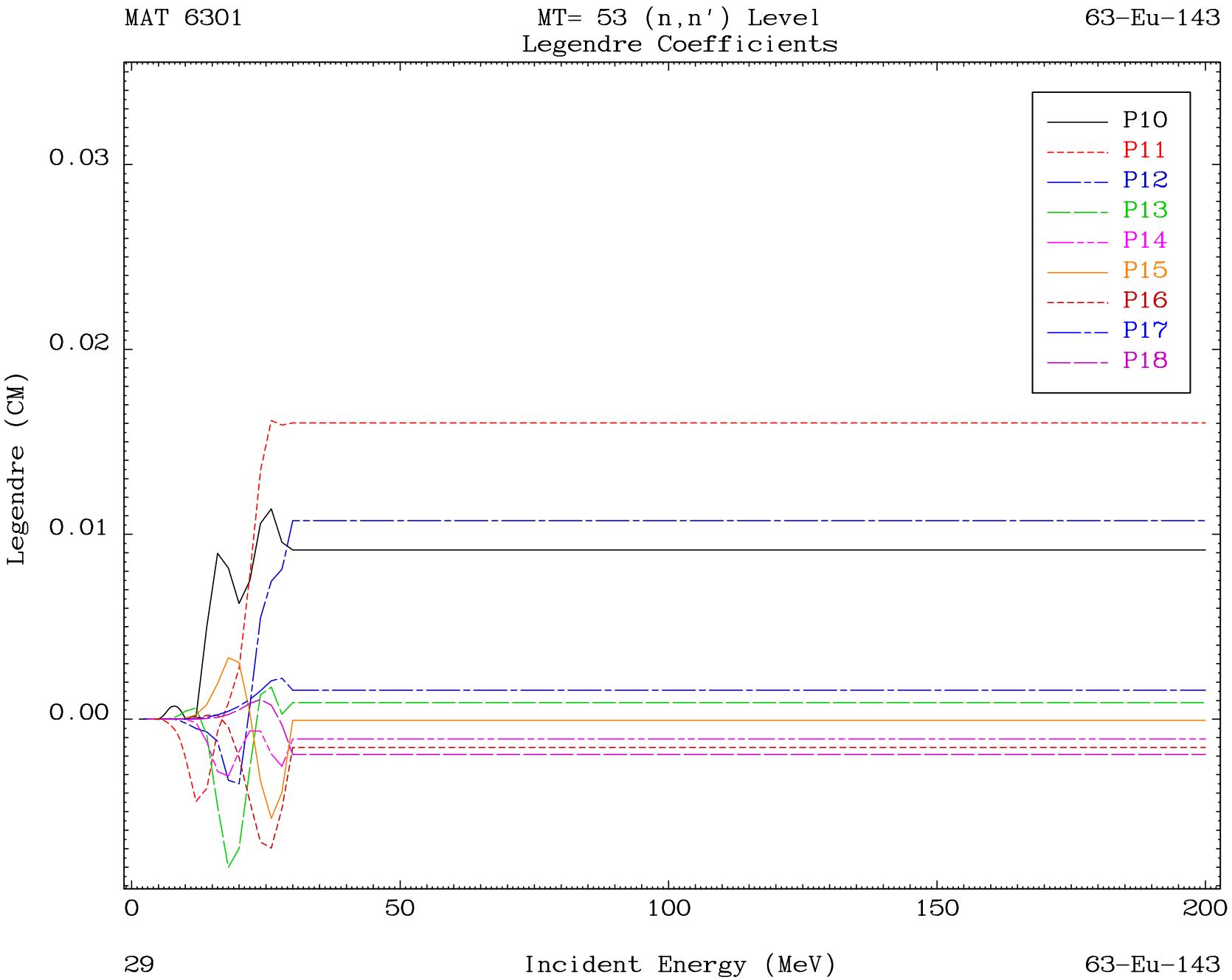

MAT 6301
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
24
Incident Energy (MeV)
63-Eu-143

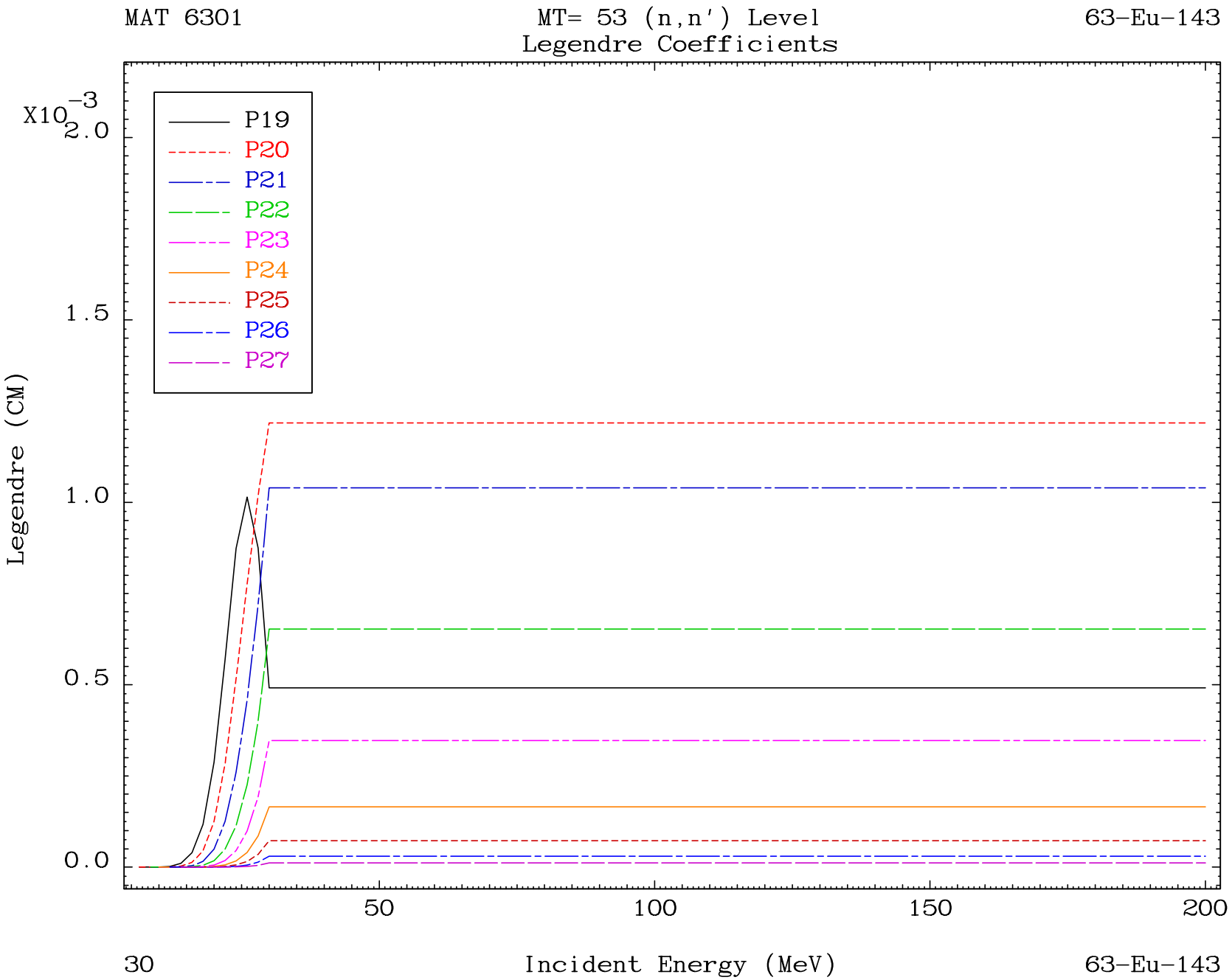

MAT 6301
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
63-Eu-143

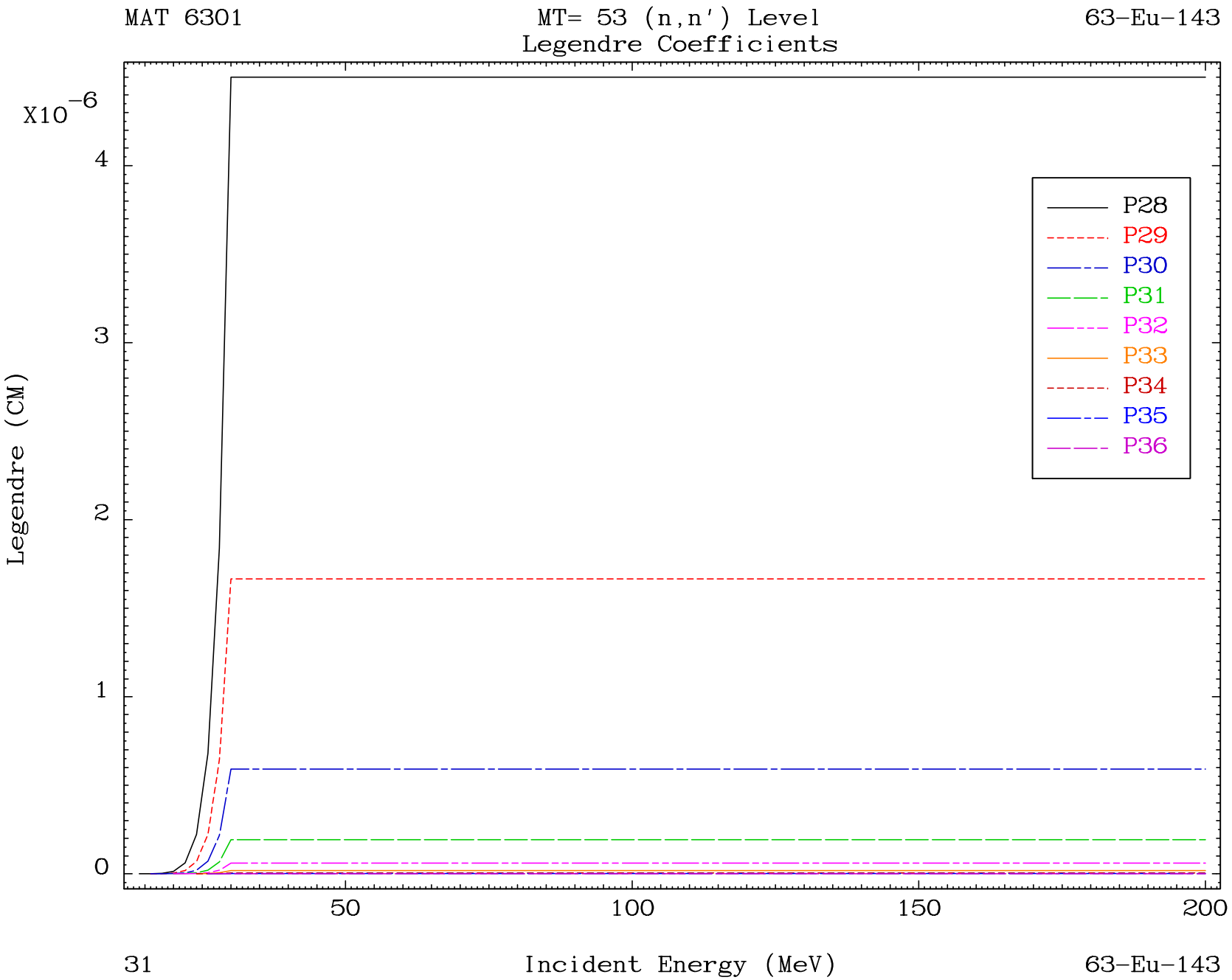

MAT 6301
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
26
63-Eu-143

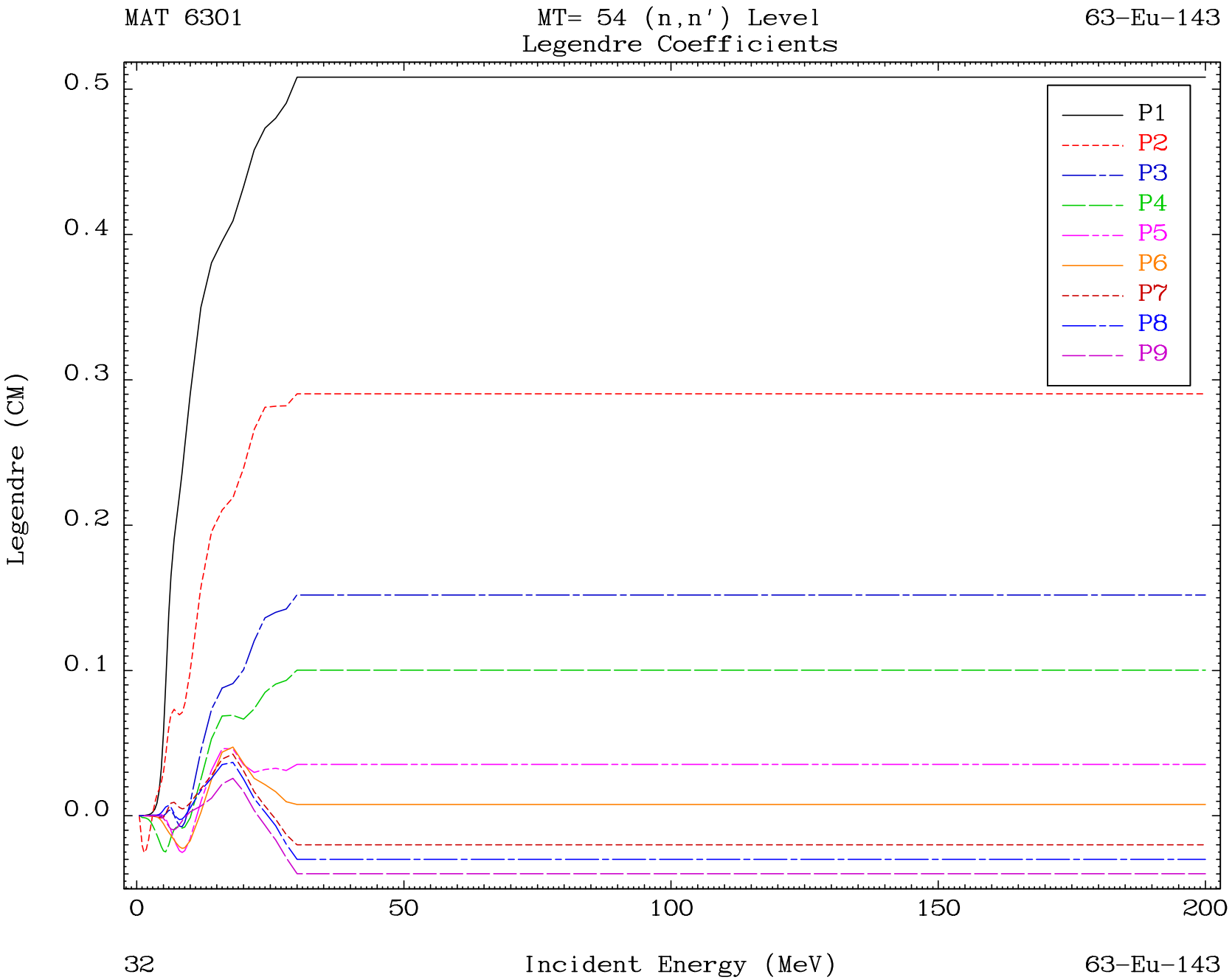

MAT 6301
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
8
6
4
2
0
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

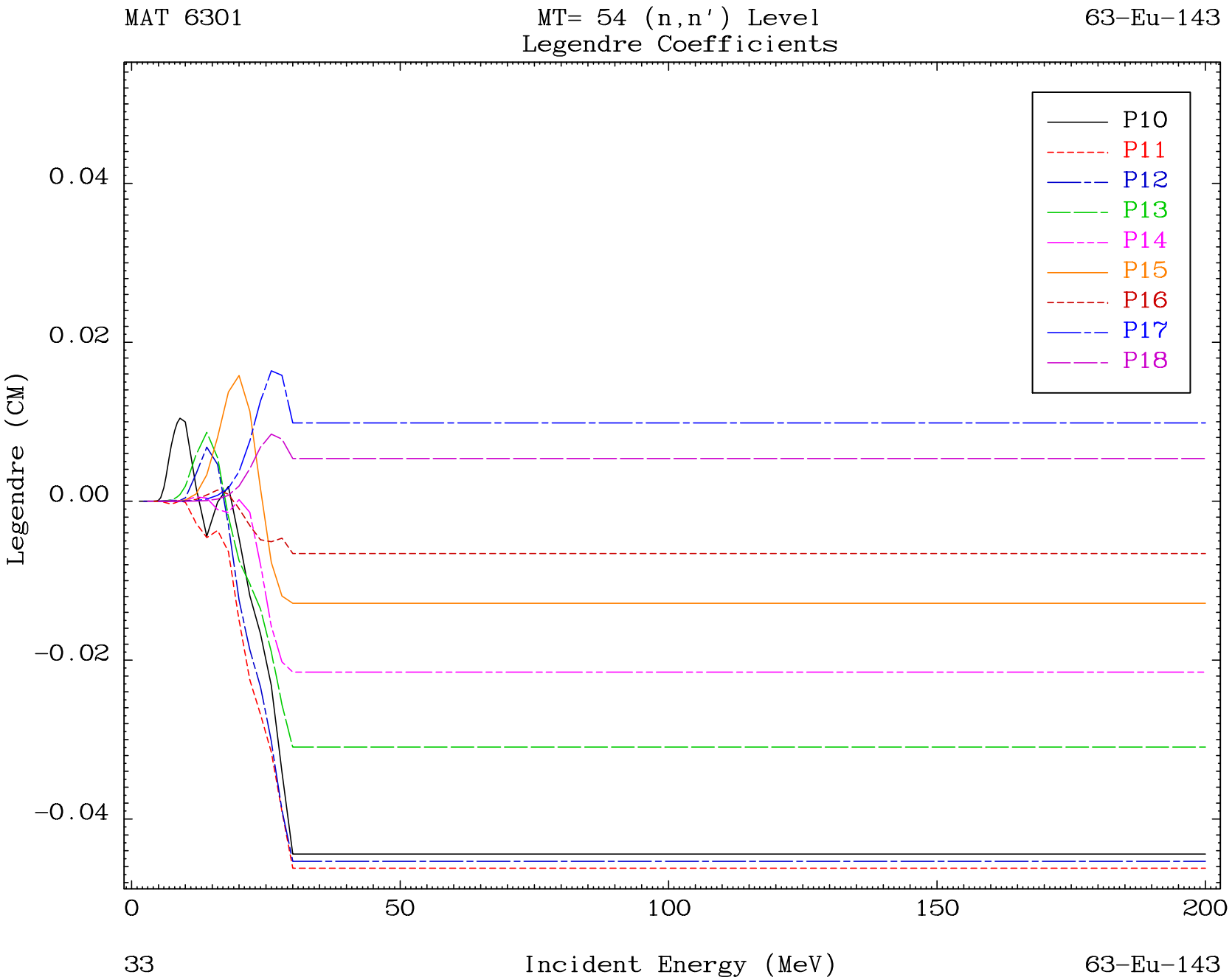

MAT 6301
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
28
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

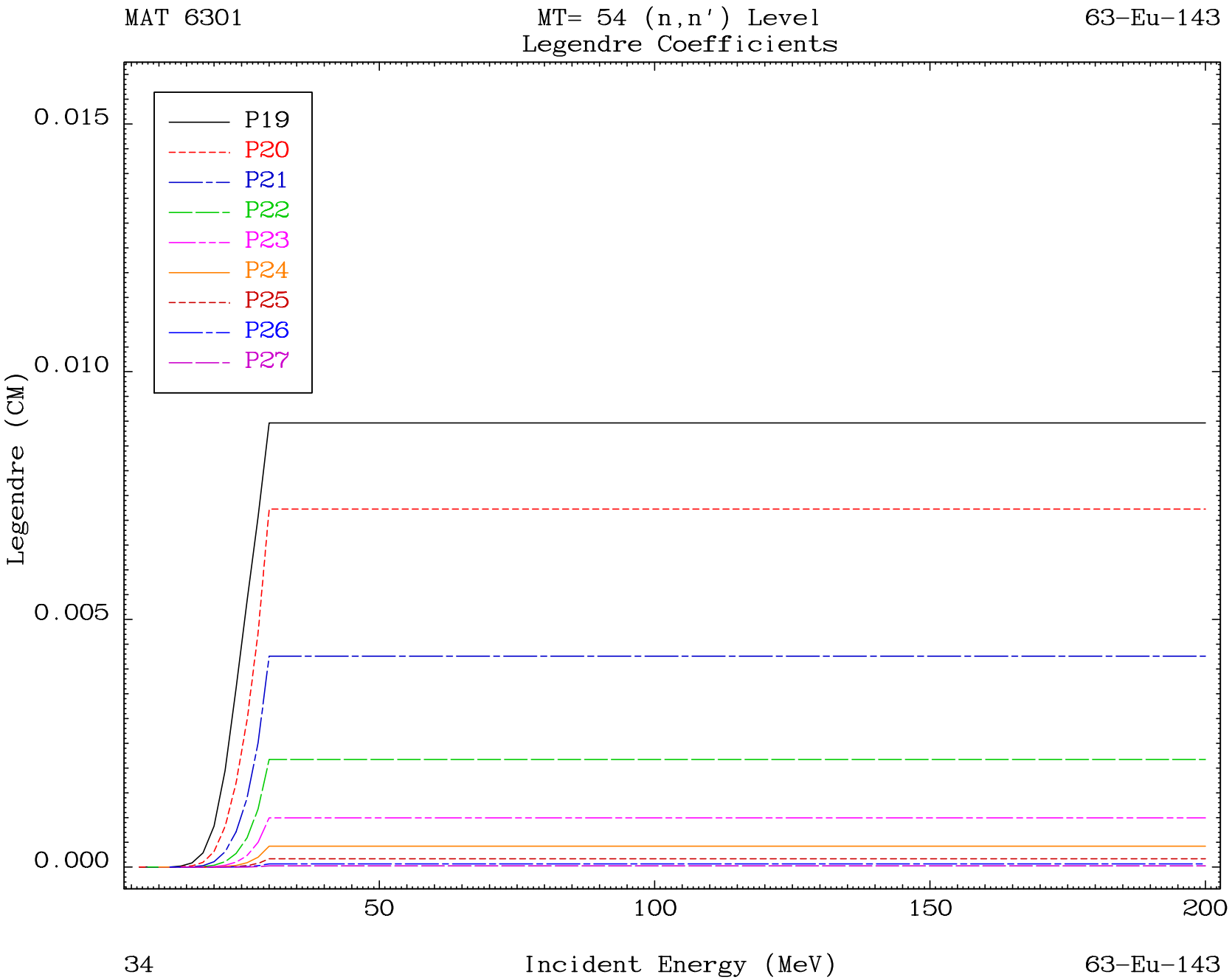

MAT 6301
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
63-Eu-143

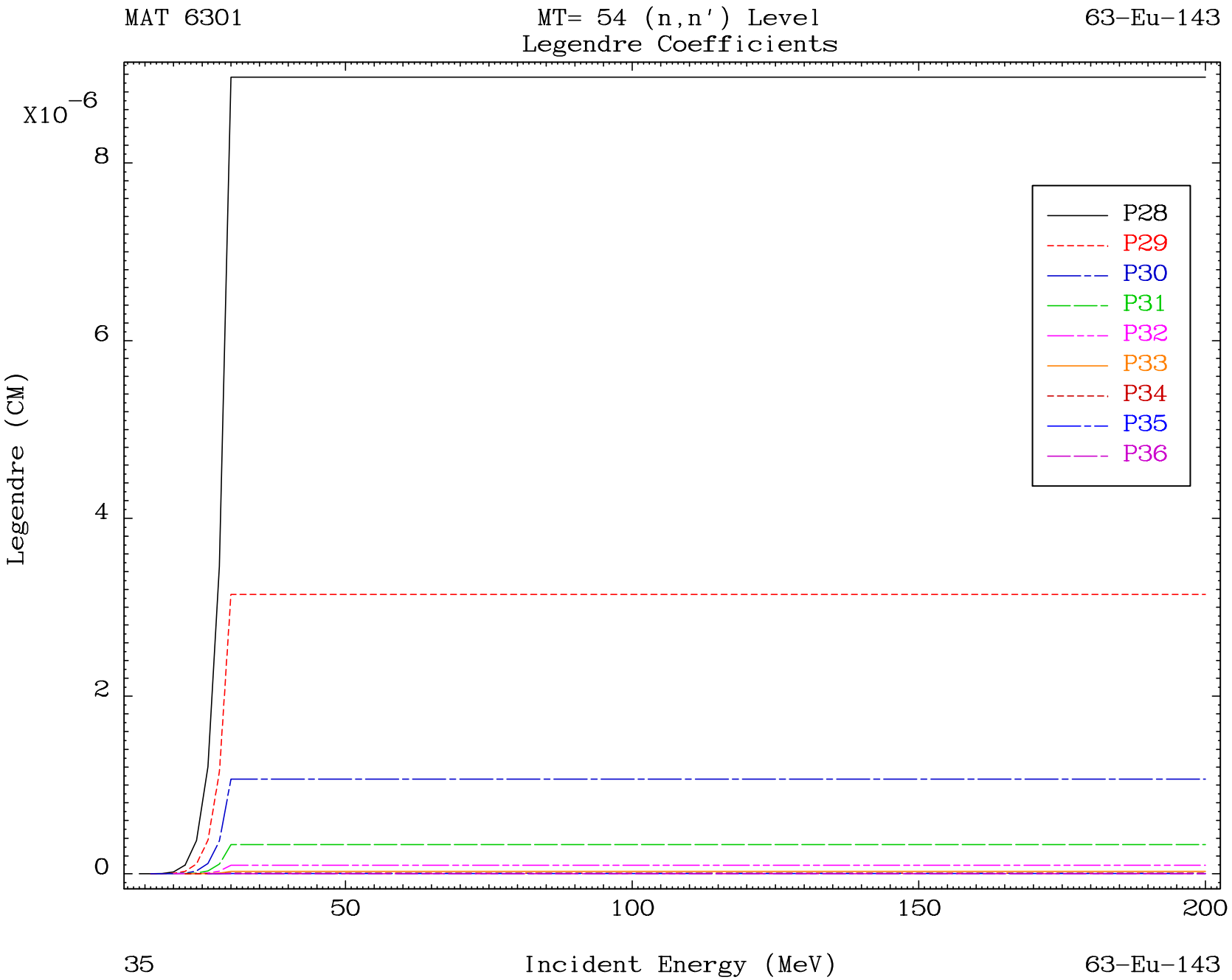

MAT 6301
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
30
50
100
150
200
Incident Energy (MeV)
63-Eu-143

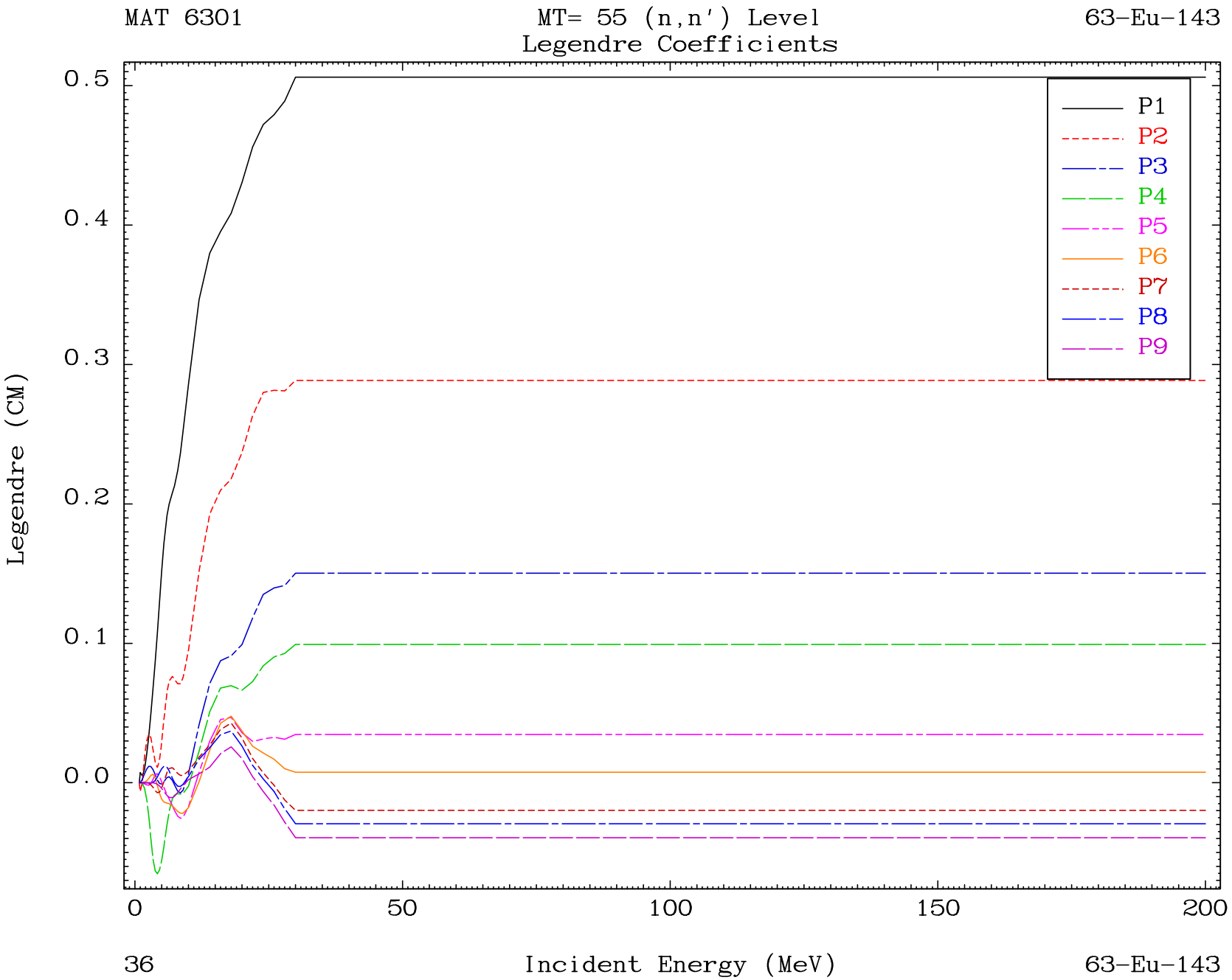

MAT 6301
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
31
Incident Energy (MeV)
63-Eu-143

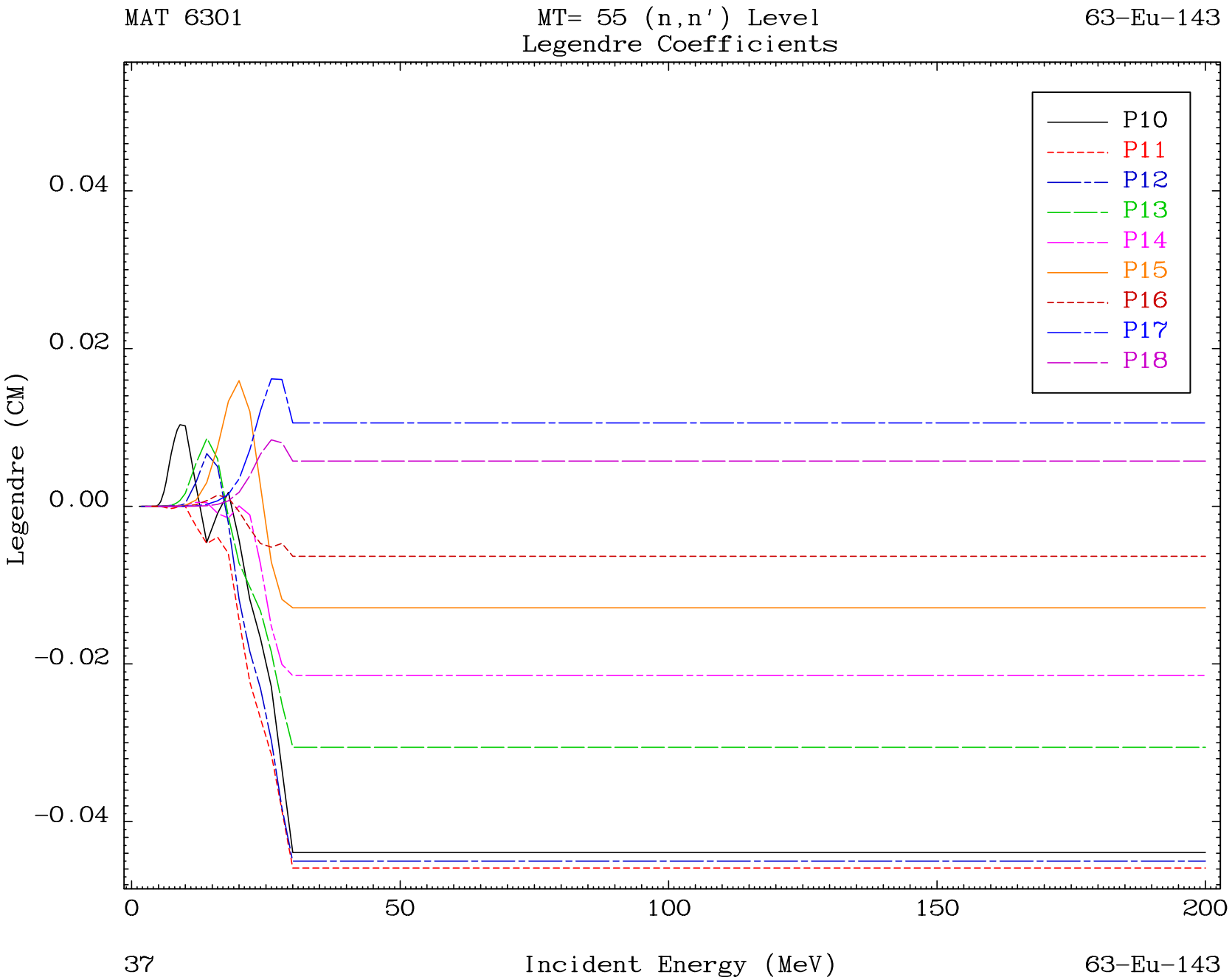

MAT 6301
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
32
Incident Energy (MeV)
63-Eu-143

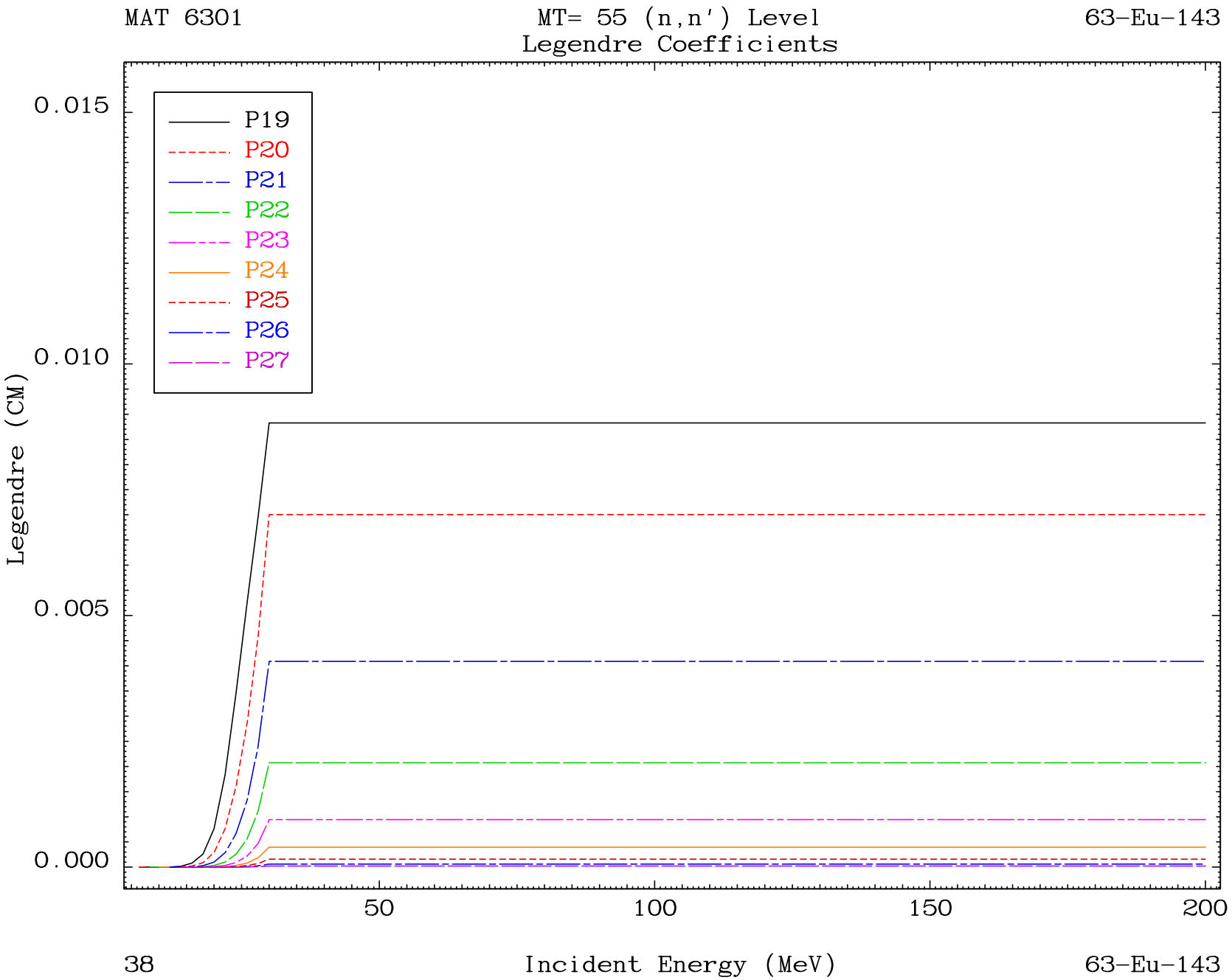

MAT 6301
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
63-Eu-143

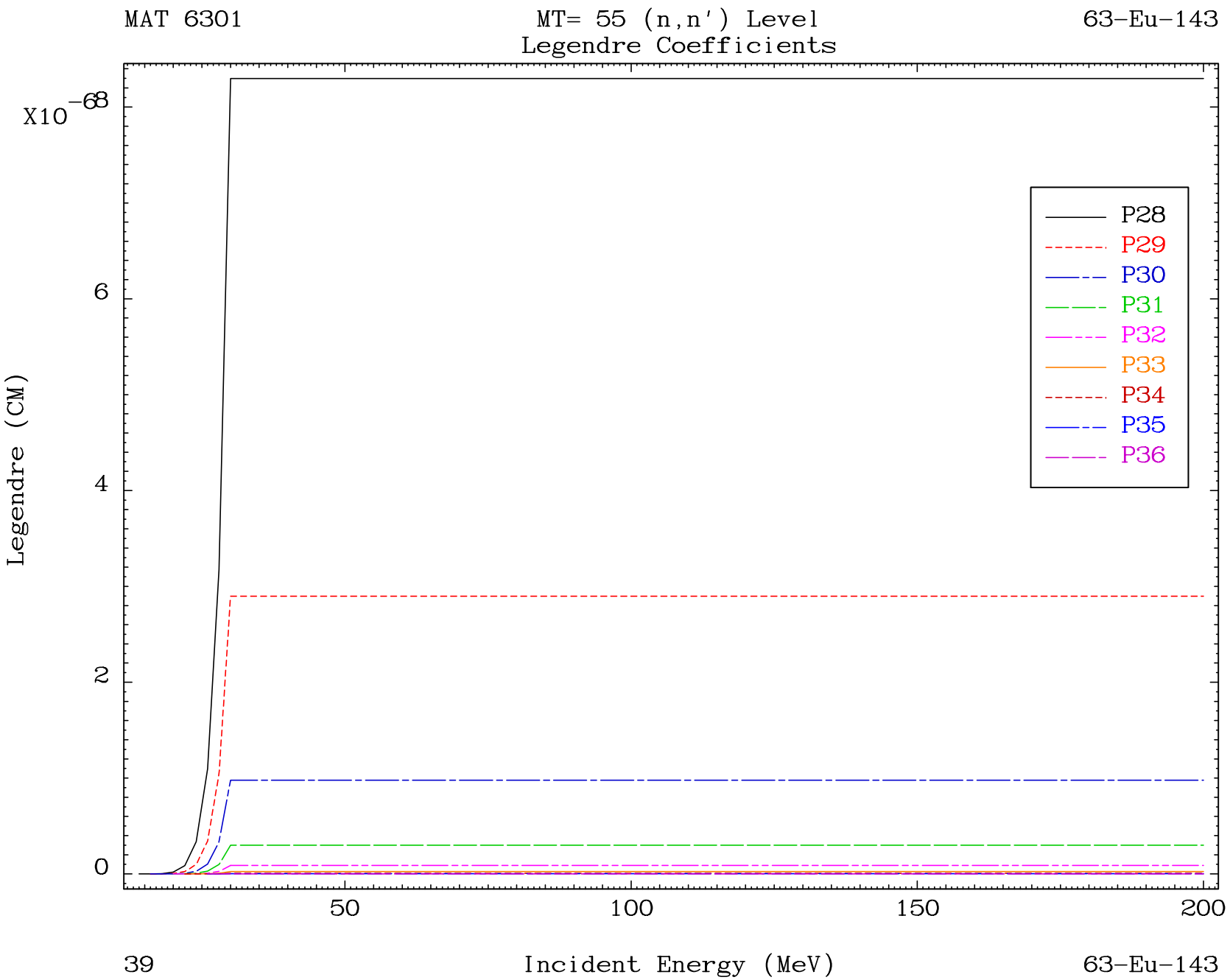

MAT 6301
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
63-Eu-143

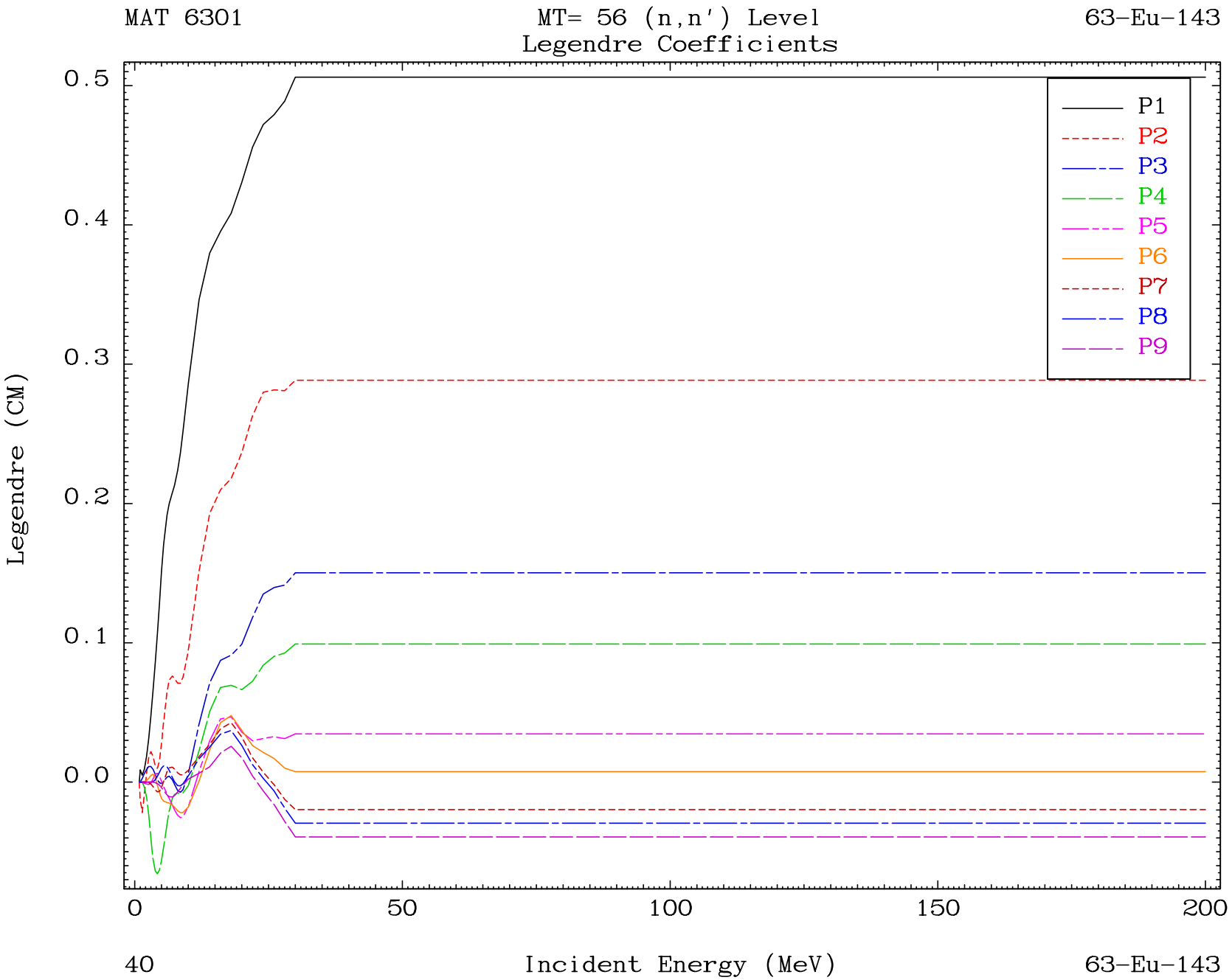

MAT 6301
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
35
Incident Energy (MeV)
63-Eu-143

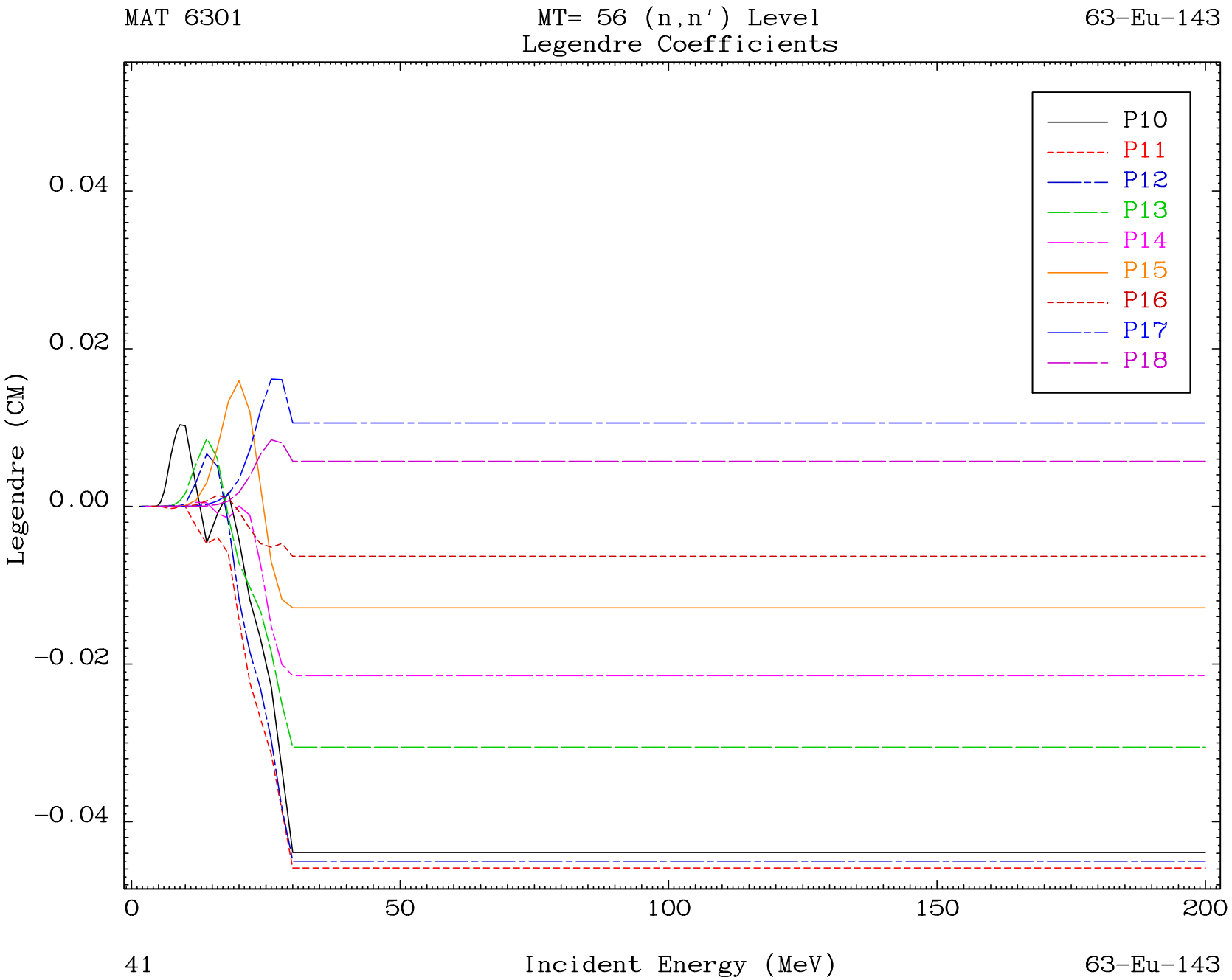

MAT 6301
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
36
Incident Energy (MeV)
63-Eu-143

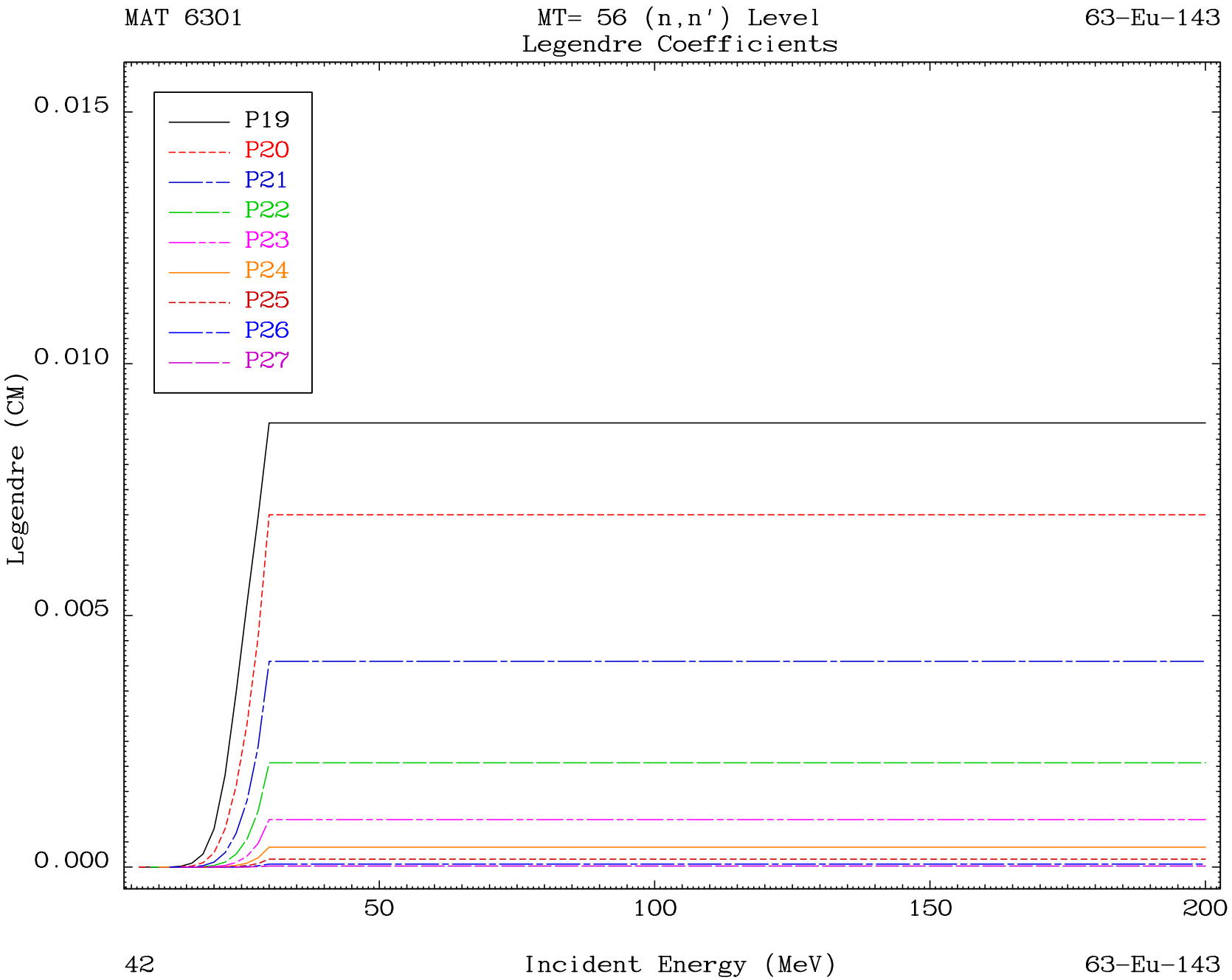

MAT 6301
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
63-Eu-143

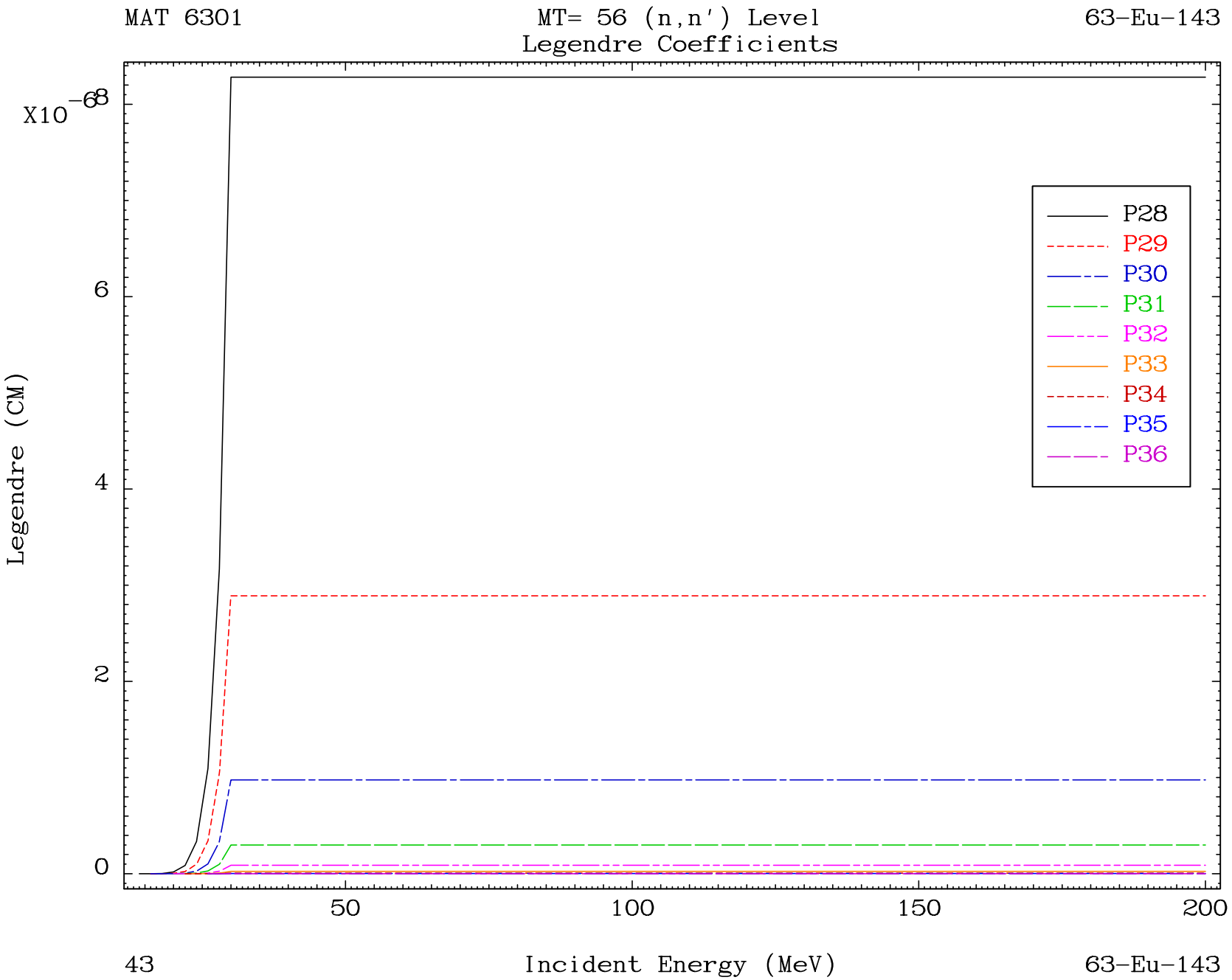

MAT 6301
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
63-Eu-143

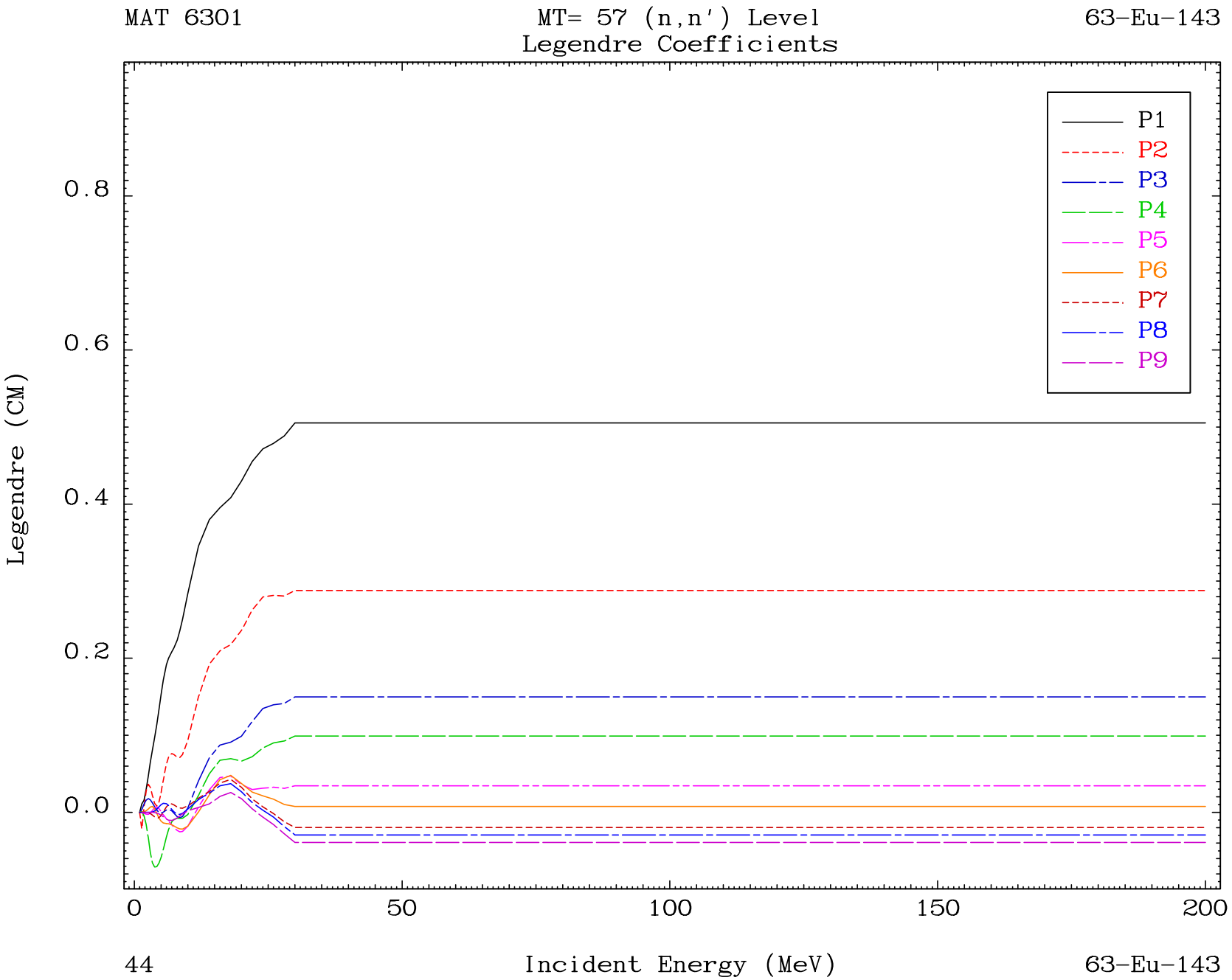

MAT 6301
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -6 8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
39
Incident Energy (MeV)
63-Eu-143

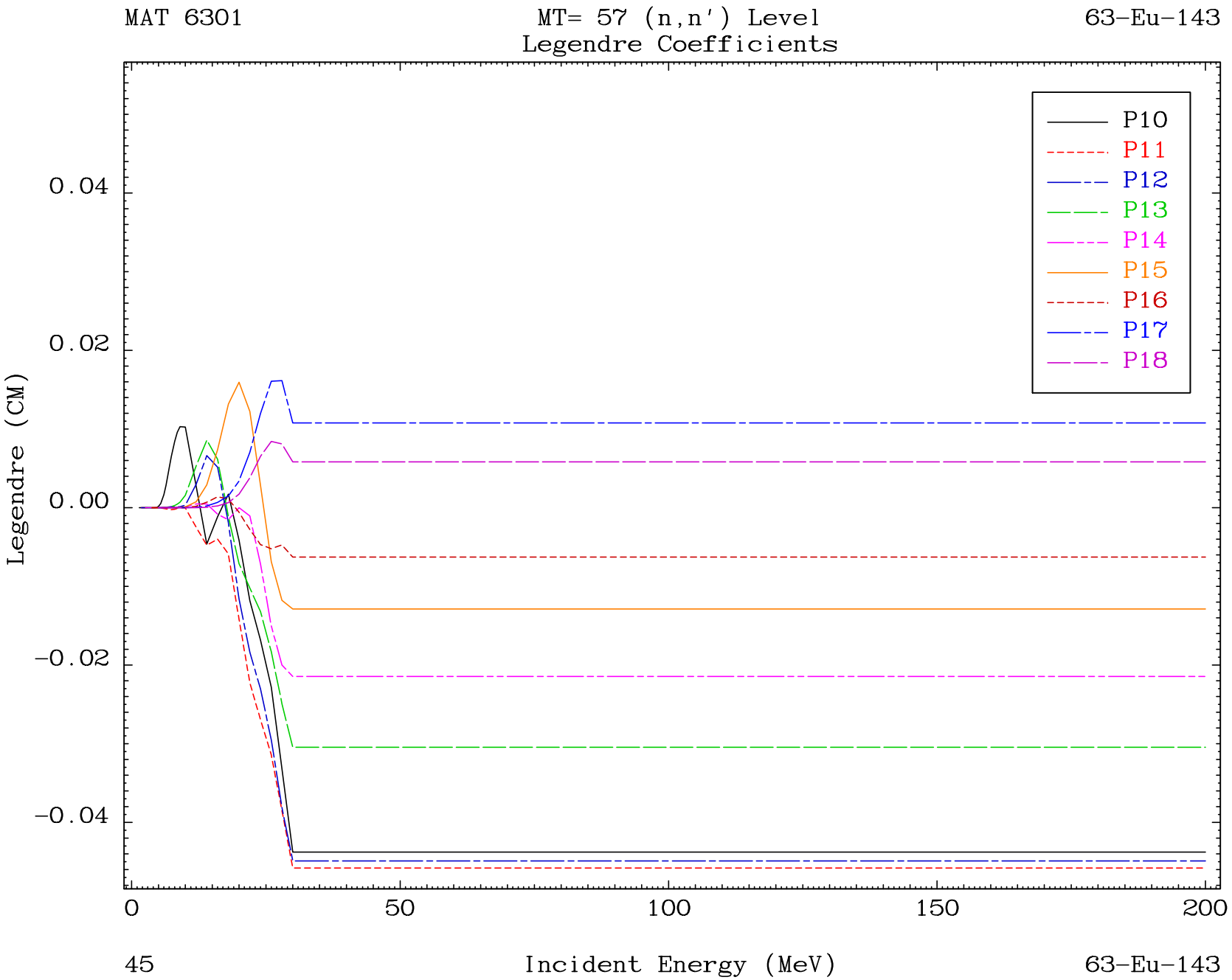

MAT 6301
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
63-Eu-143

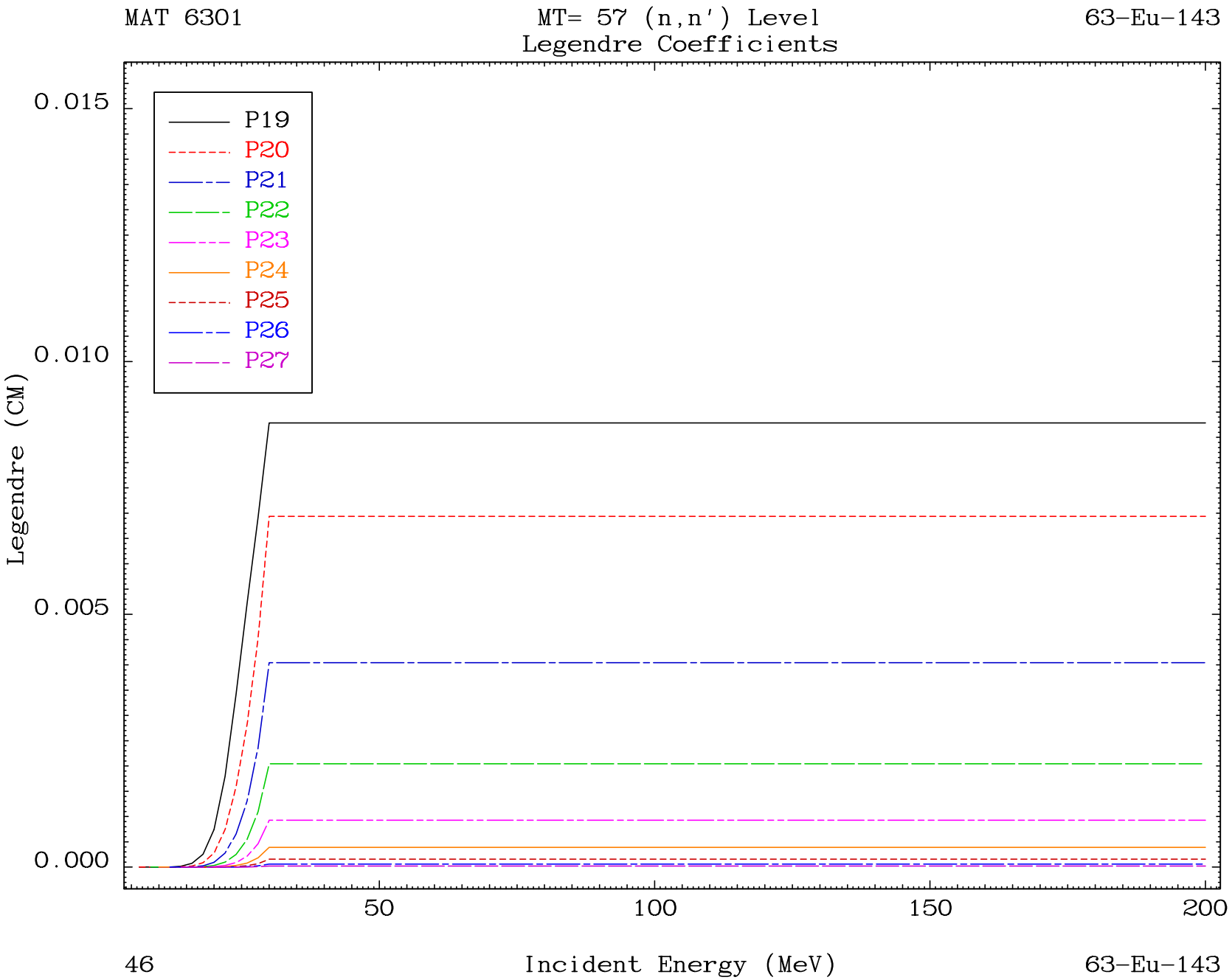

MAT 6301
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
63-Eu-143

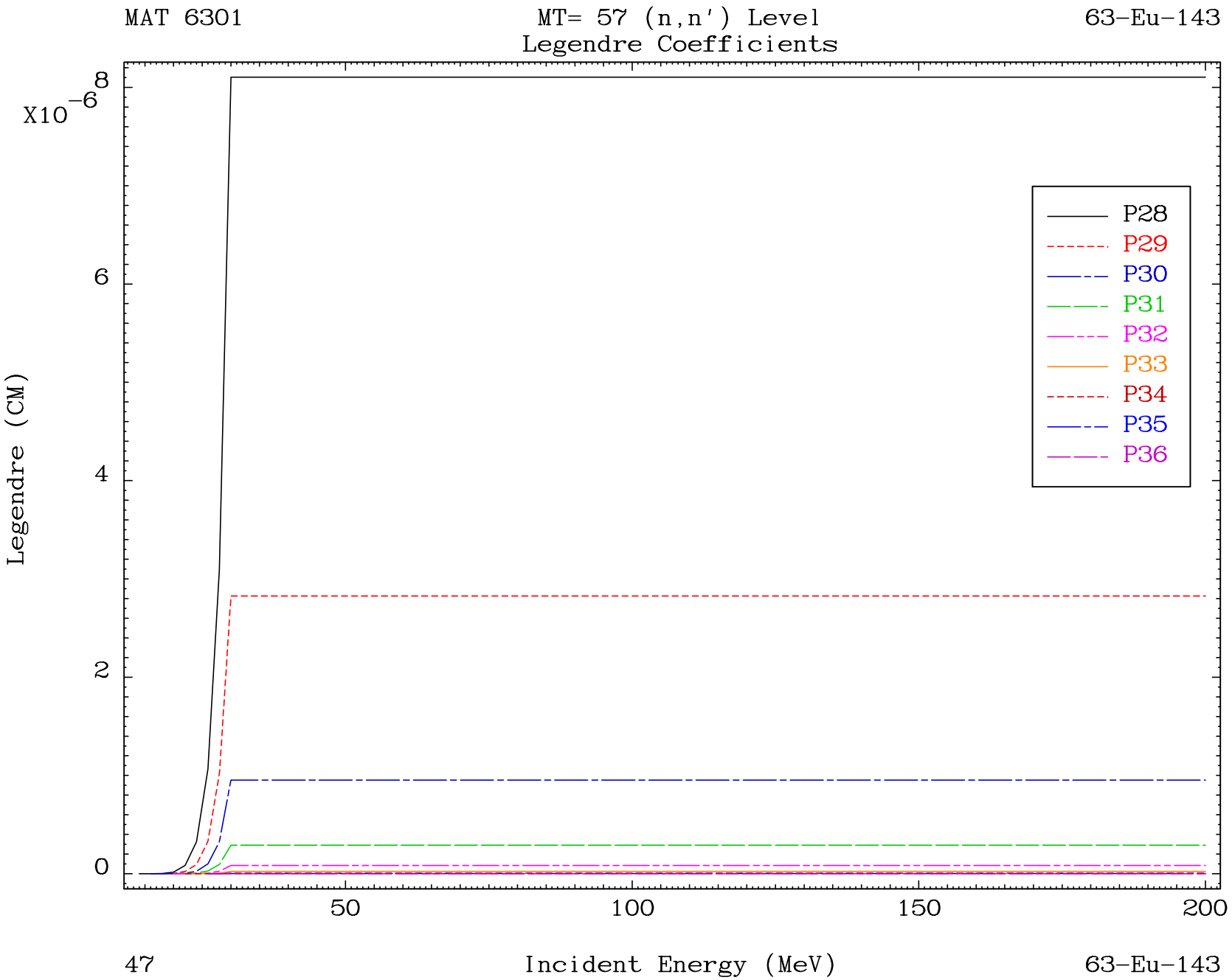

MAT 6301
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
63-Eu-143

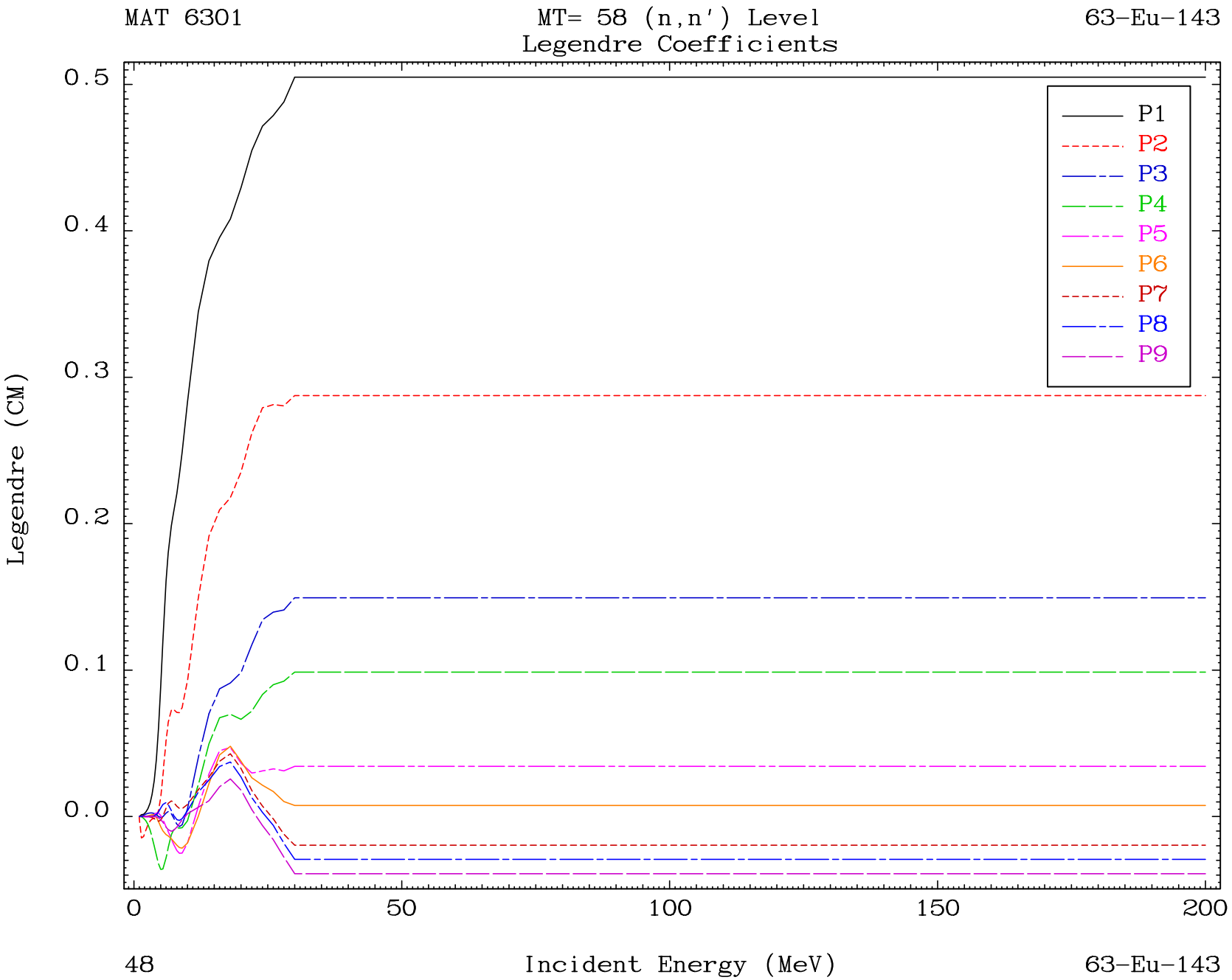

MAT 6301
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -6
8
6
4
2
0
Legendre (CM)
50
100
150
200
43
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

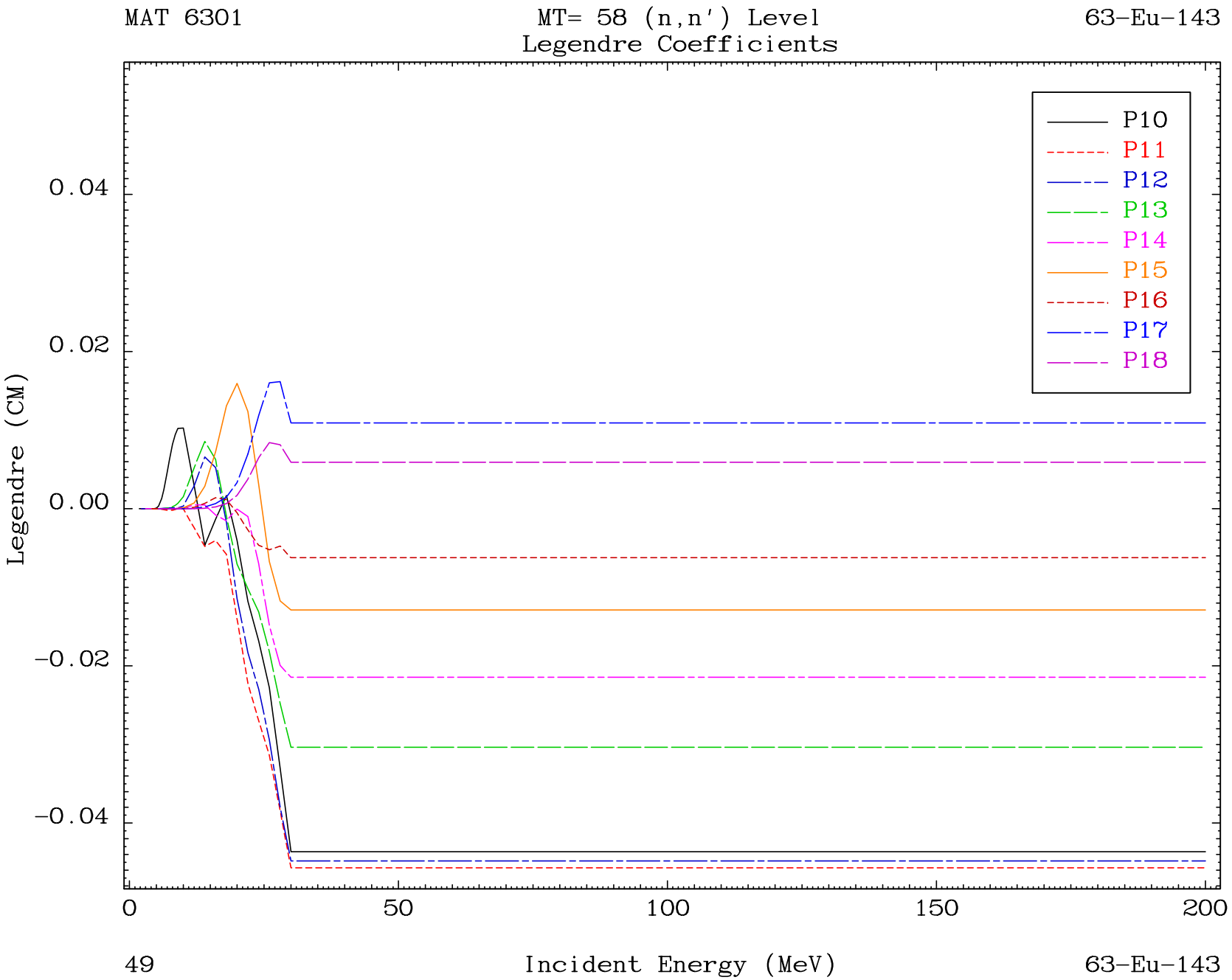

MAT 6301
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
44
Incident Energy (MeV)
63-Eu-143

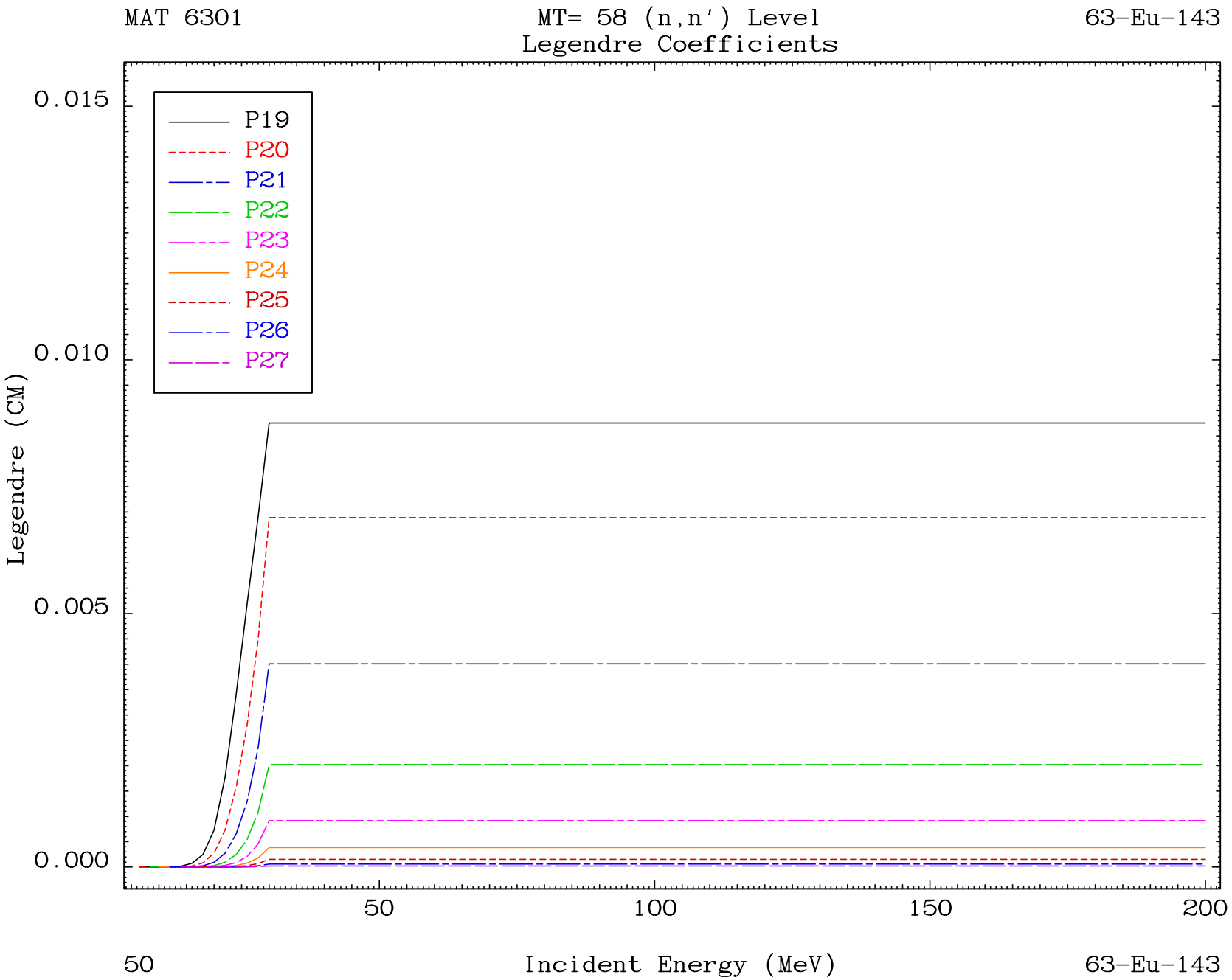

MAT 6301
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
63-Eu-143

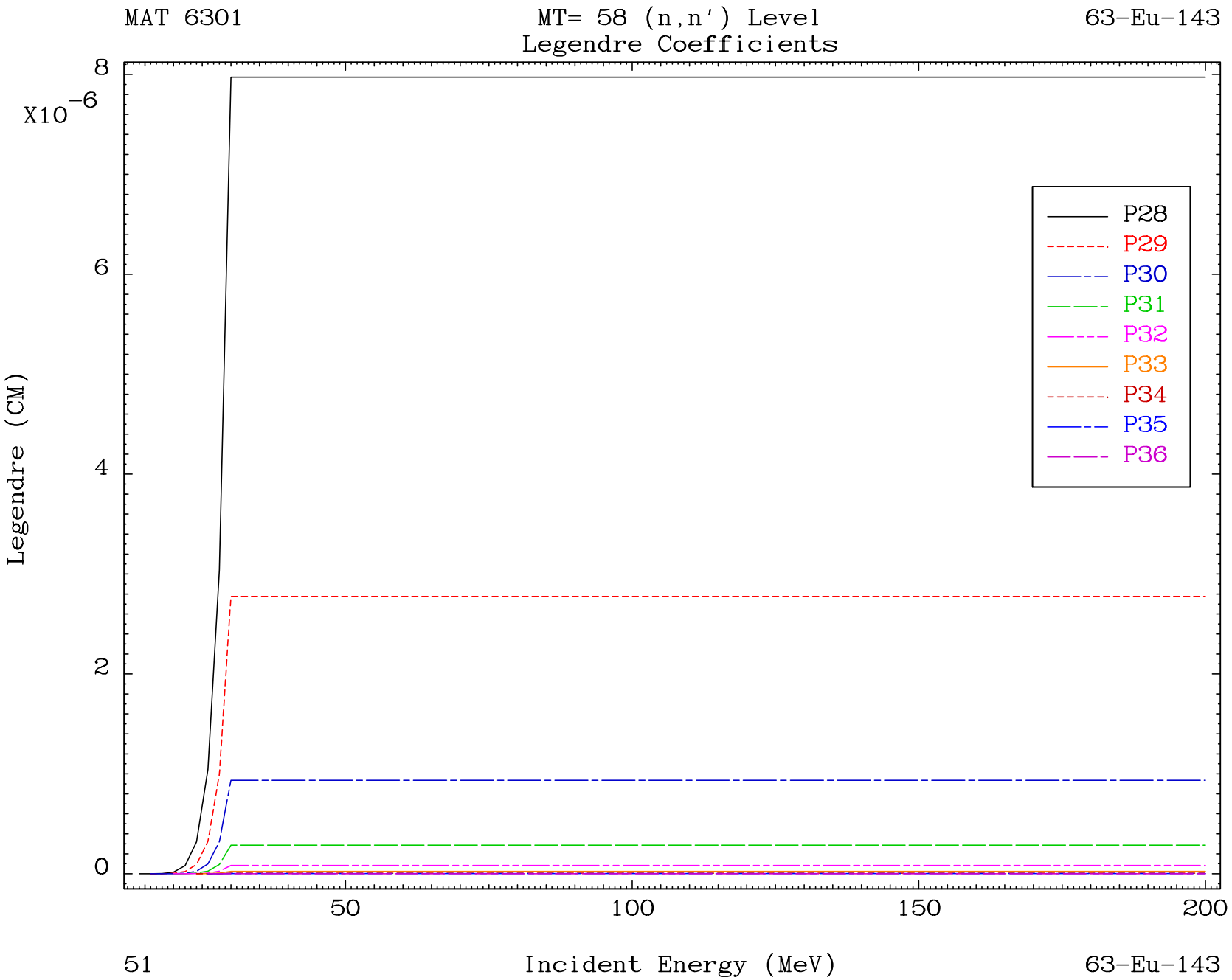

MAT 6301
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
63-Eu-143

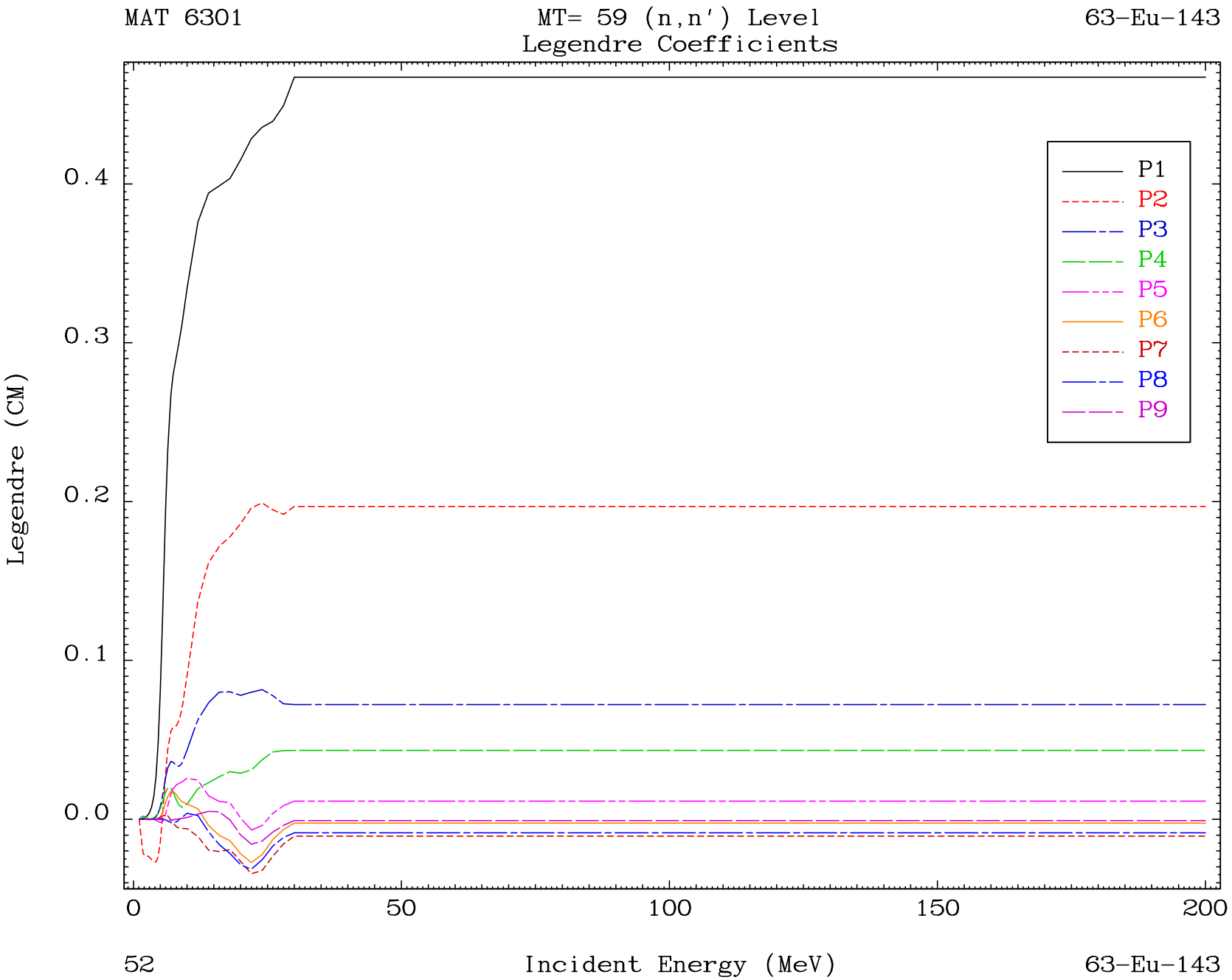

MAT 6301
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
47
Incident Energy (MeV)
63-Eu-143

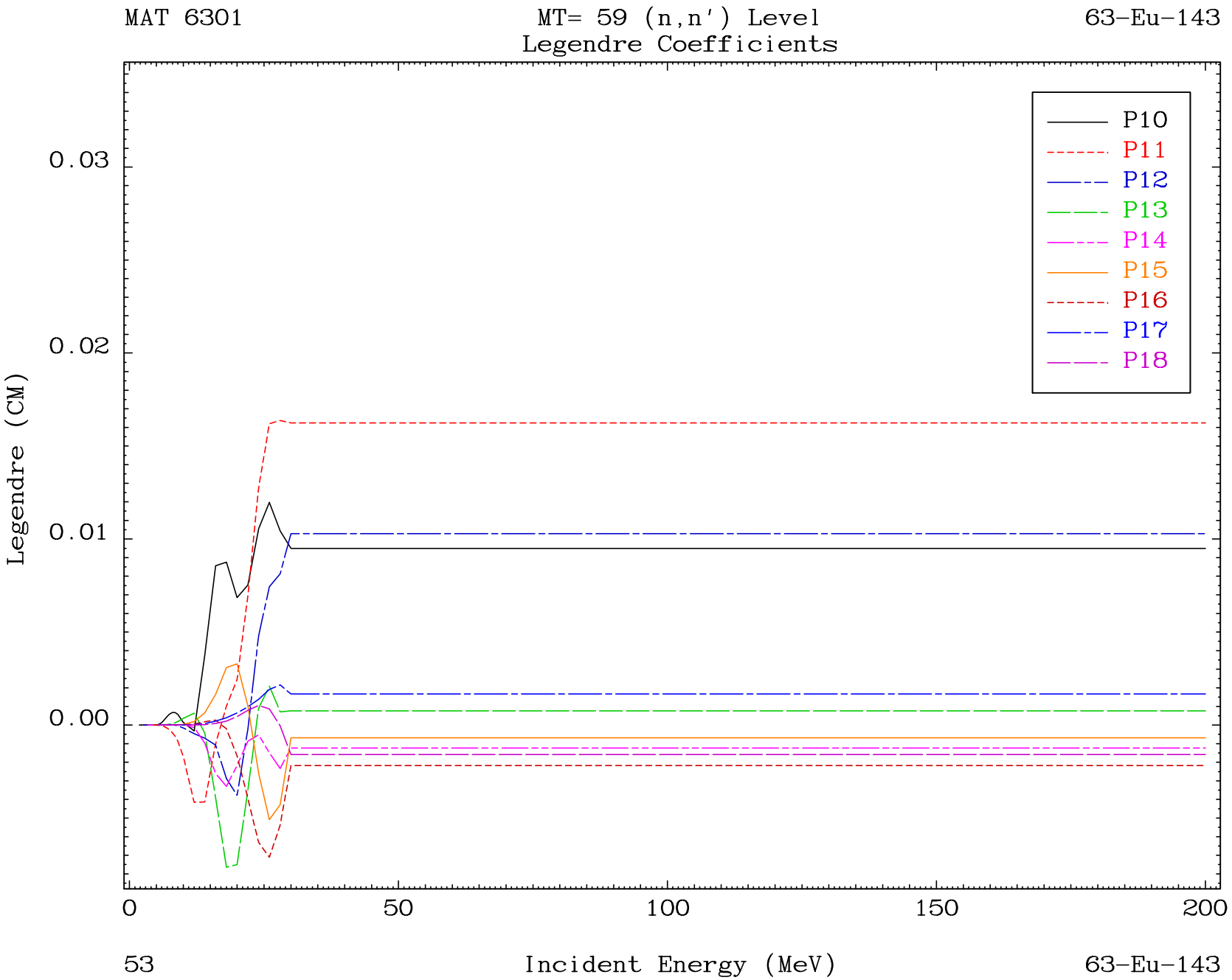

MAT 6301
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
48
Incident Energy (MeV)
63-Eu-143

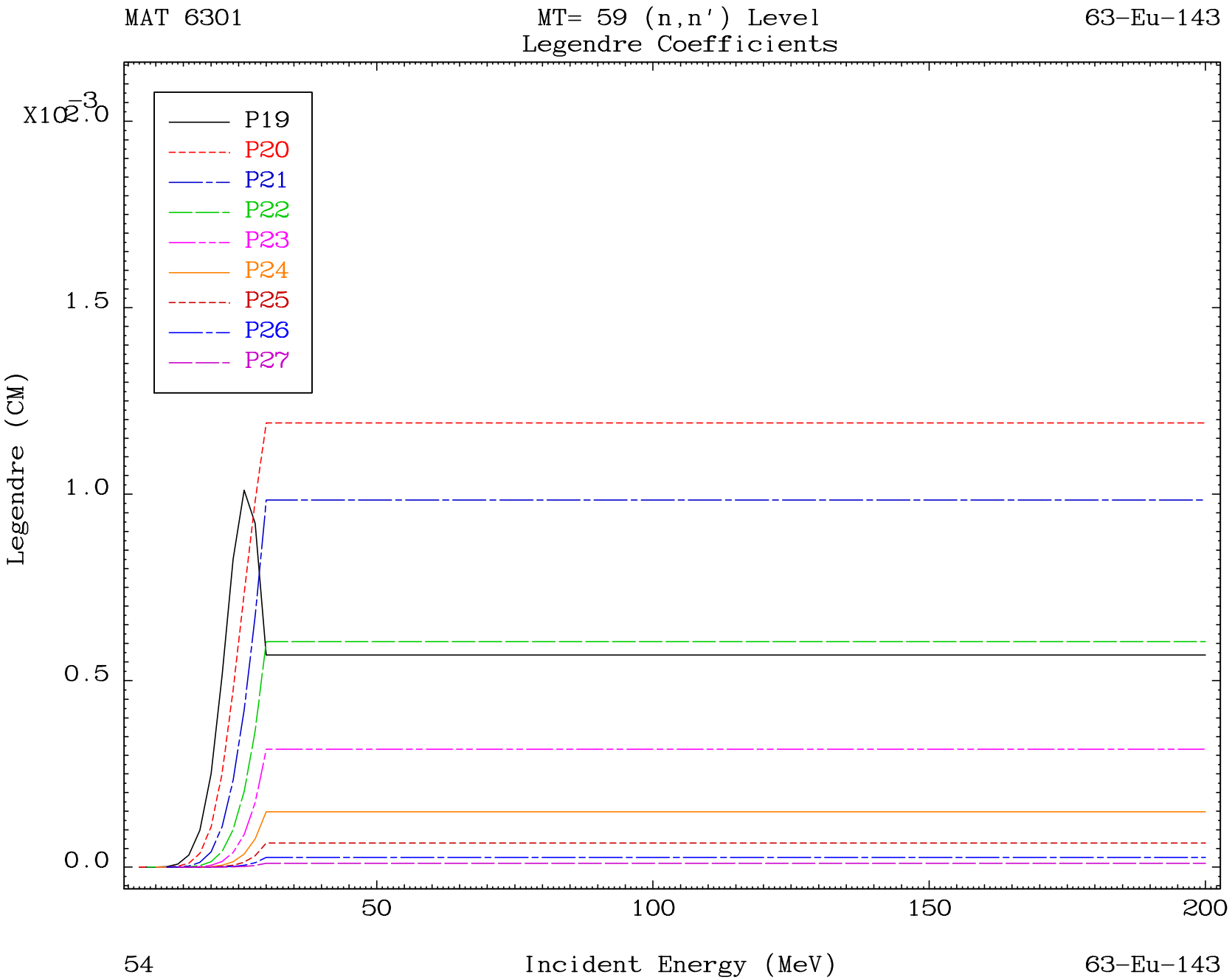

MAT 6301
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
63-Eu-143

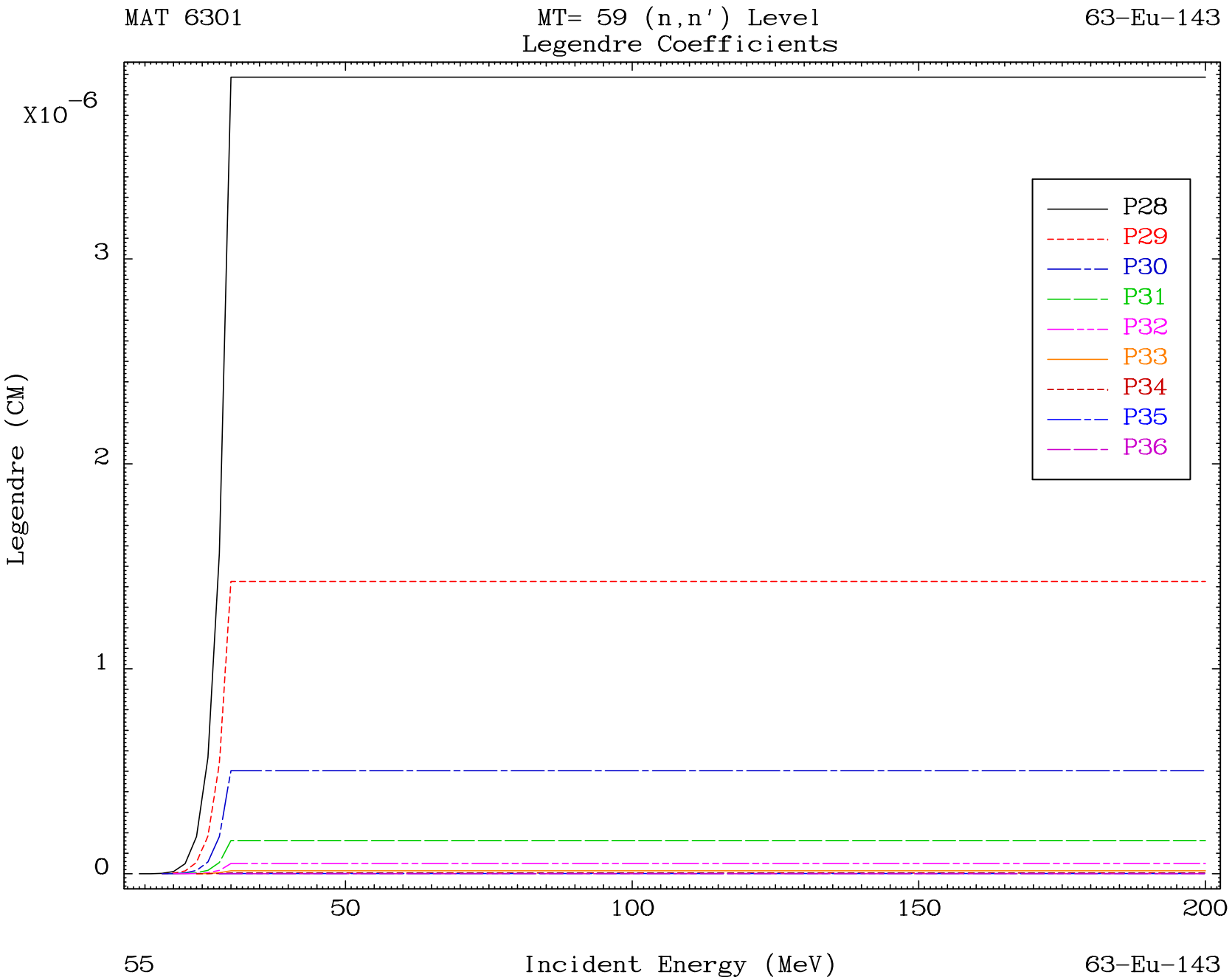

MAT 6301
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
63-Eu-143

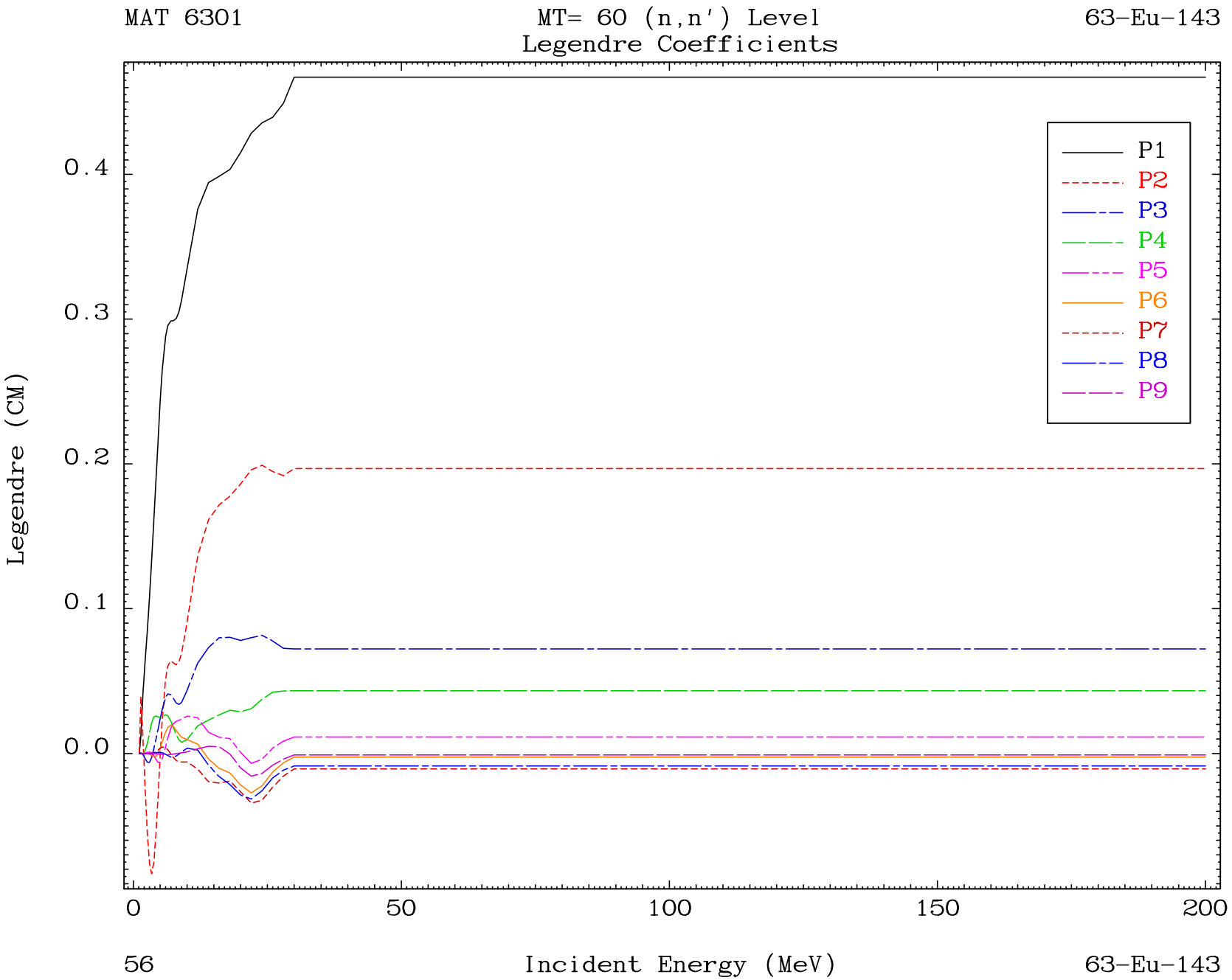

MAT 6301
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
51
Incident Energy (MeV)
63-Eu-143

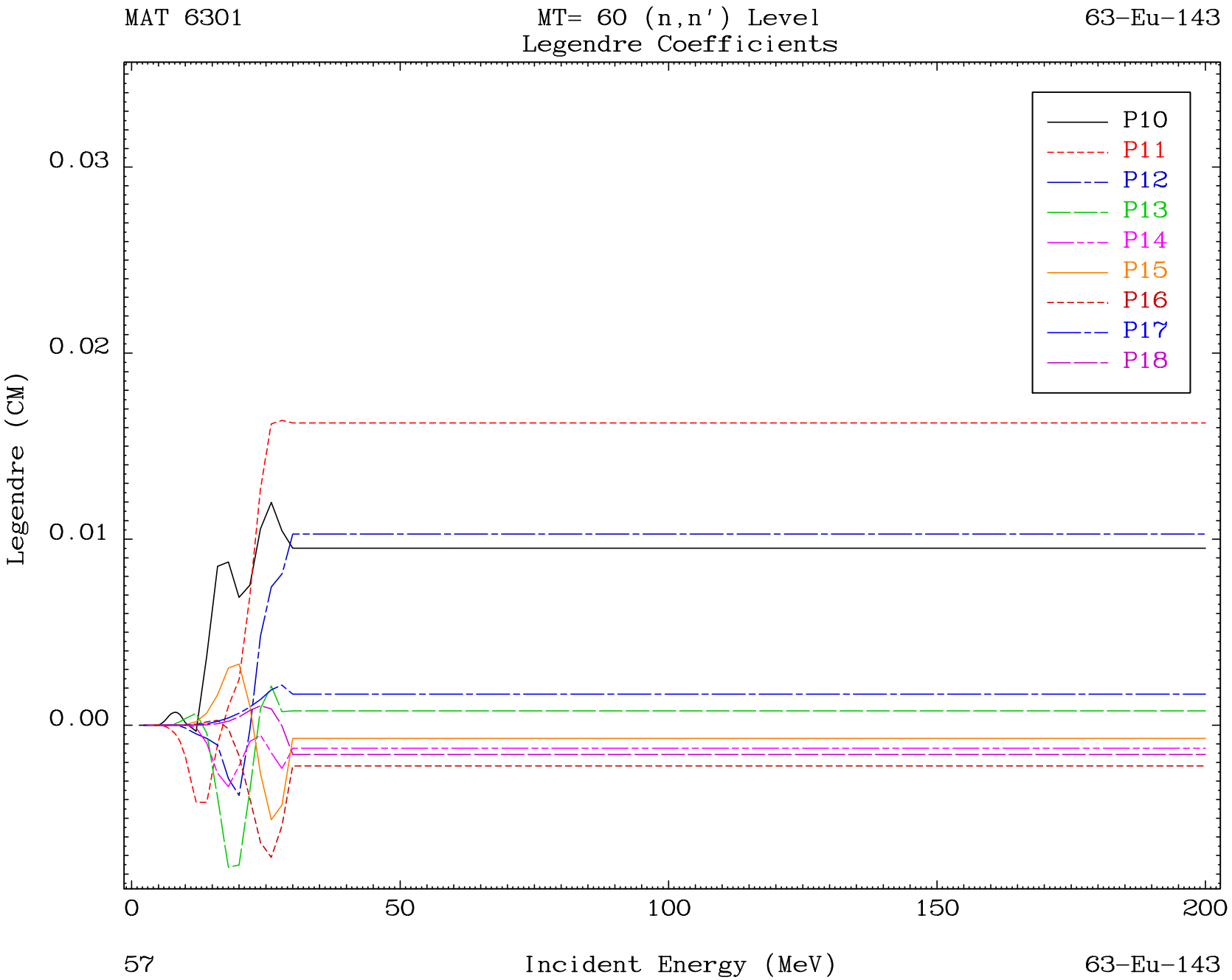

MAT 6301
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
52
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

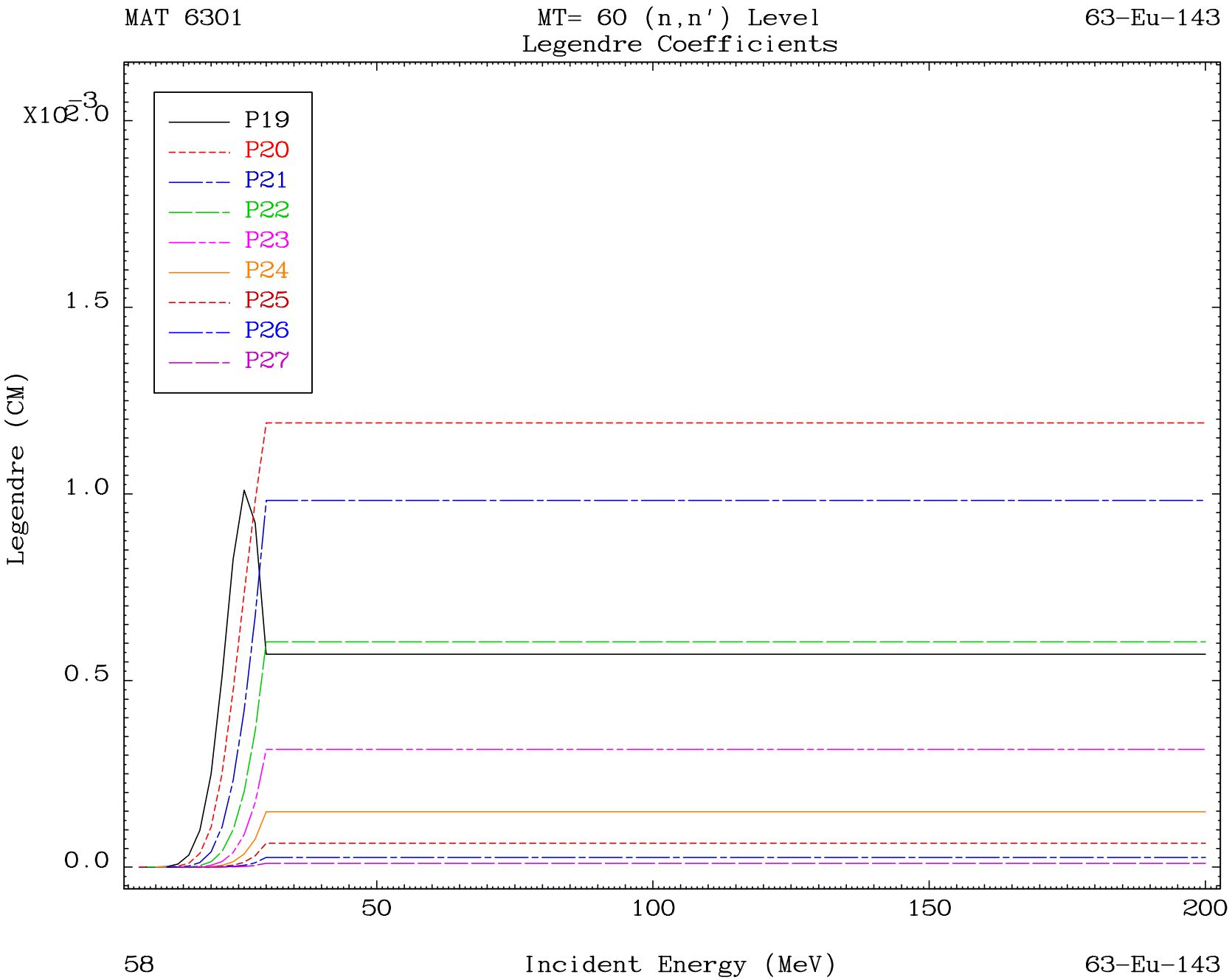

MAT 6301
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
63-Eu-143

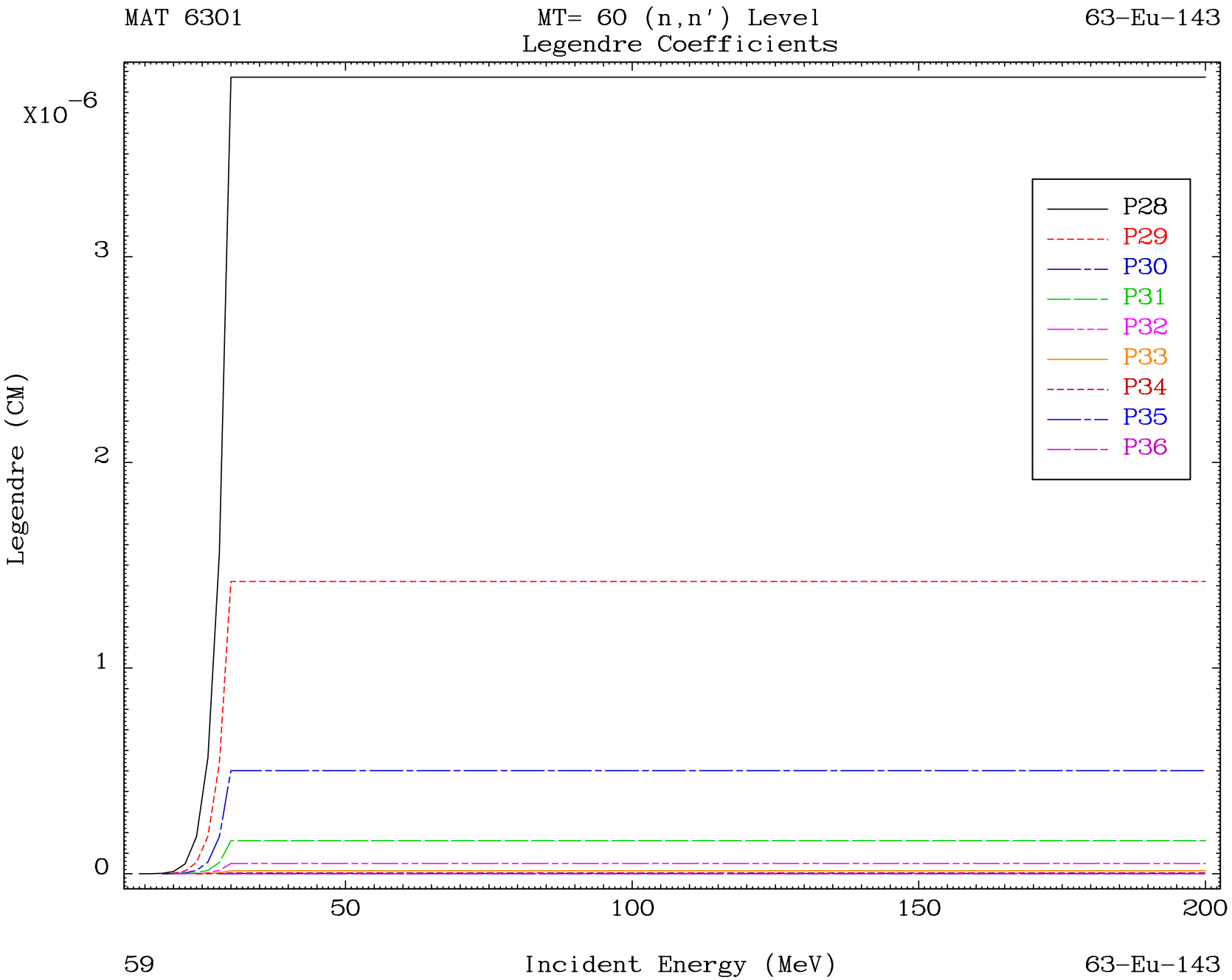

MAT 6301
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
54
Incident Energy (MeV)
63-Eu-143

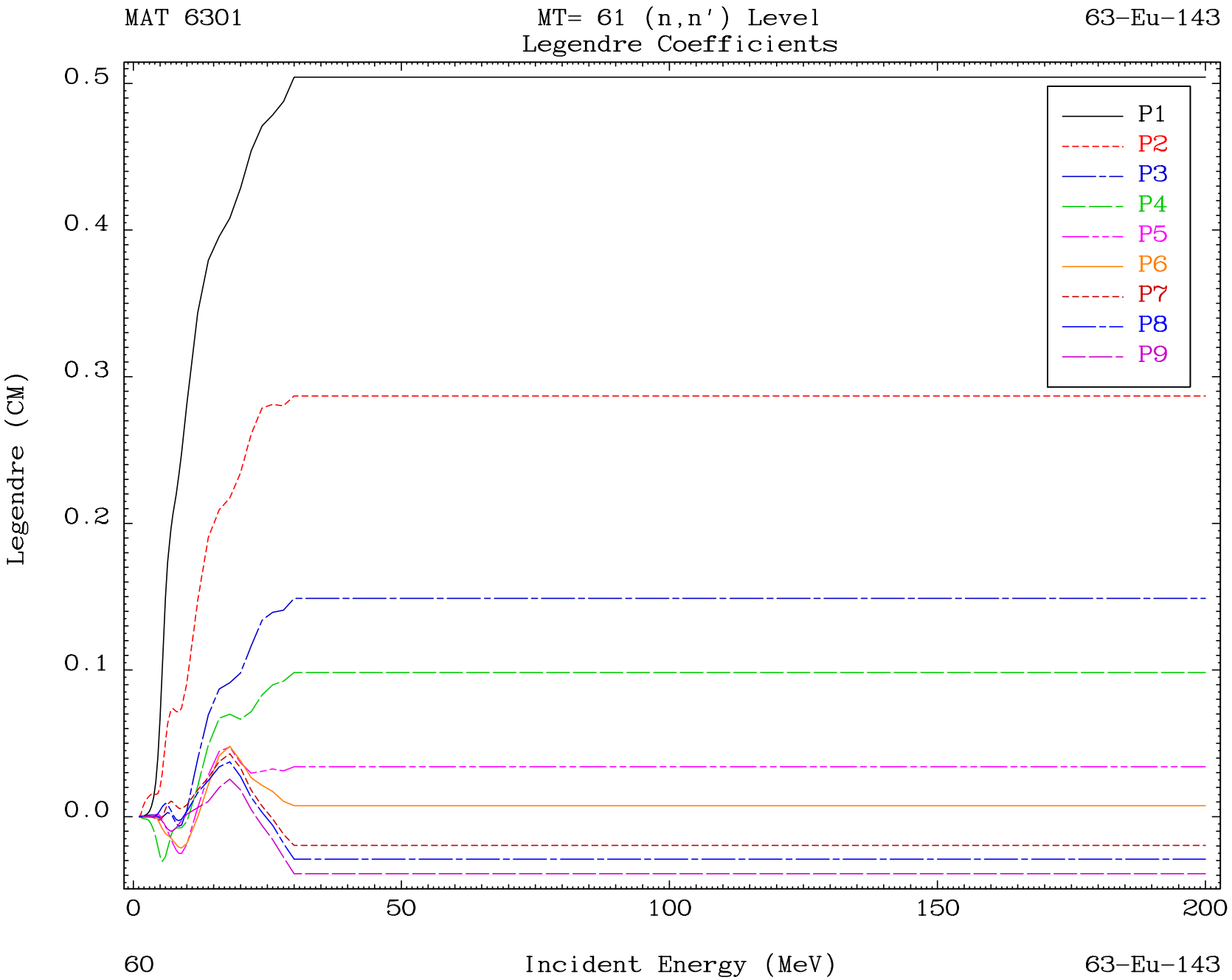

MAT 6301
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
55
Incident Energy (MeV)
63-Eu-143

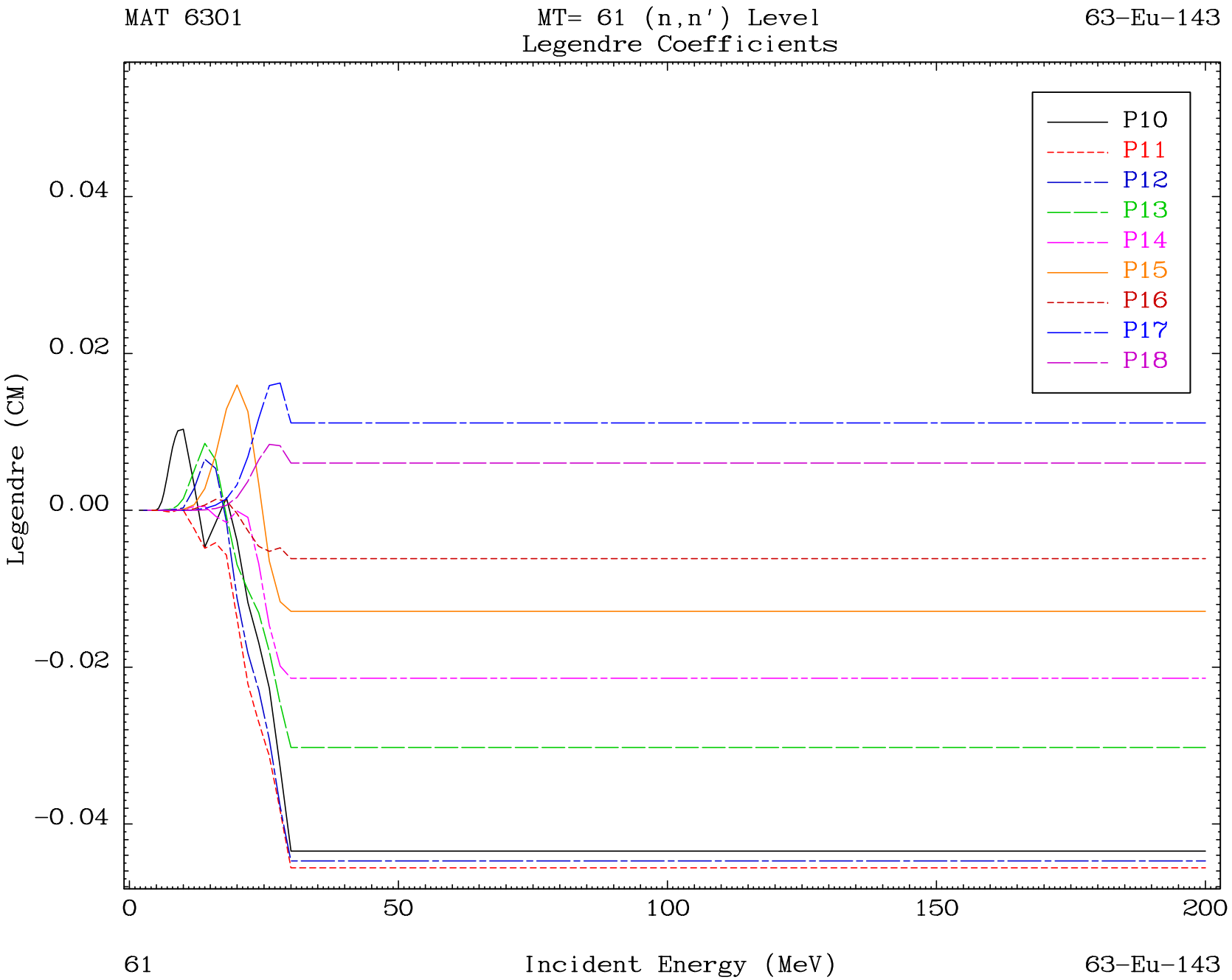

MAT 6301
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
56
Incident Energy (MeV)
63-Eu-143

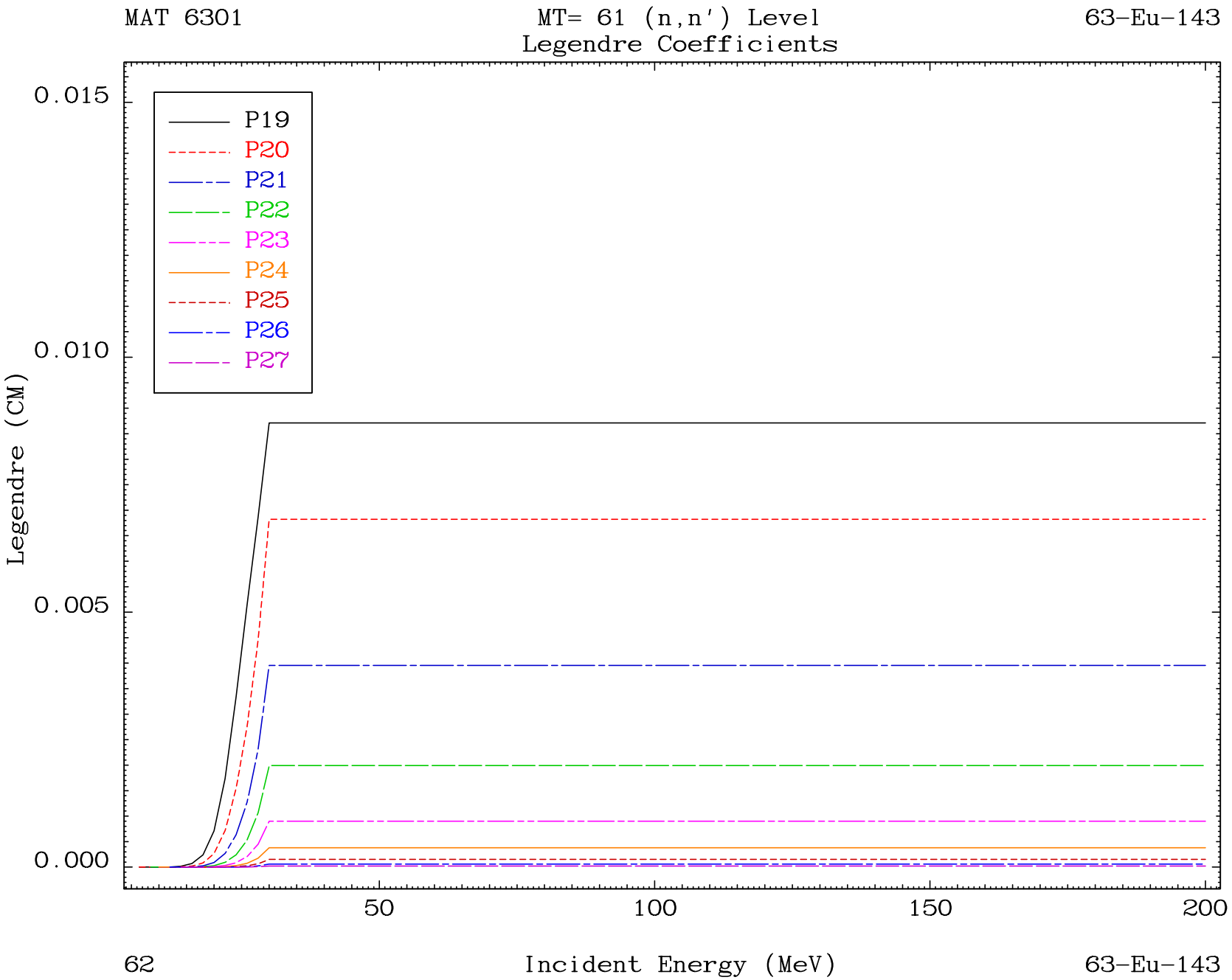

MAT 6301
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
63-Eu-143

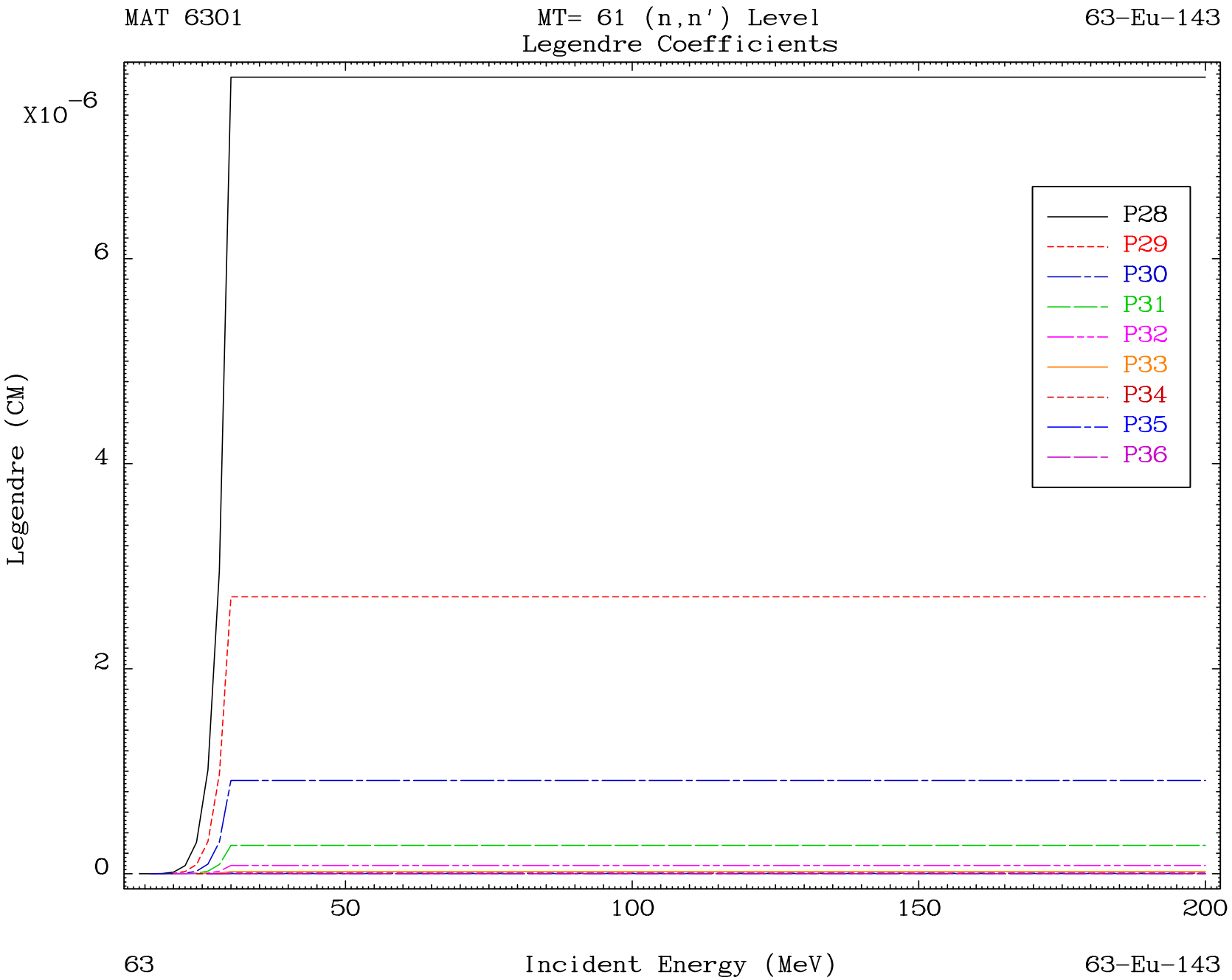

MAT 6301
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
58
Incident Energy (MeV)
63-Eu-143

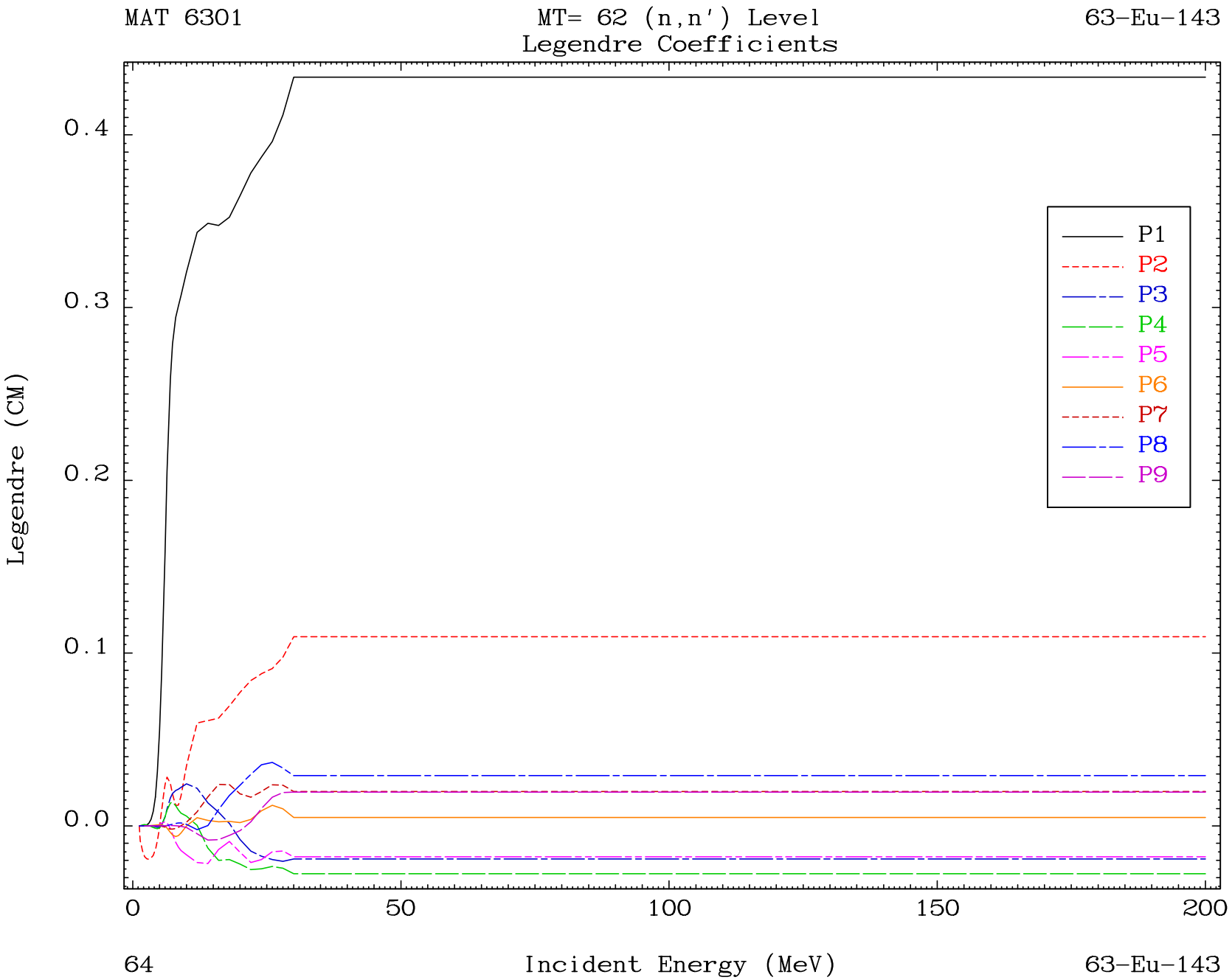

MAT 6301
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
59
Incident Energy (MeV)
63-Eu-143

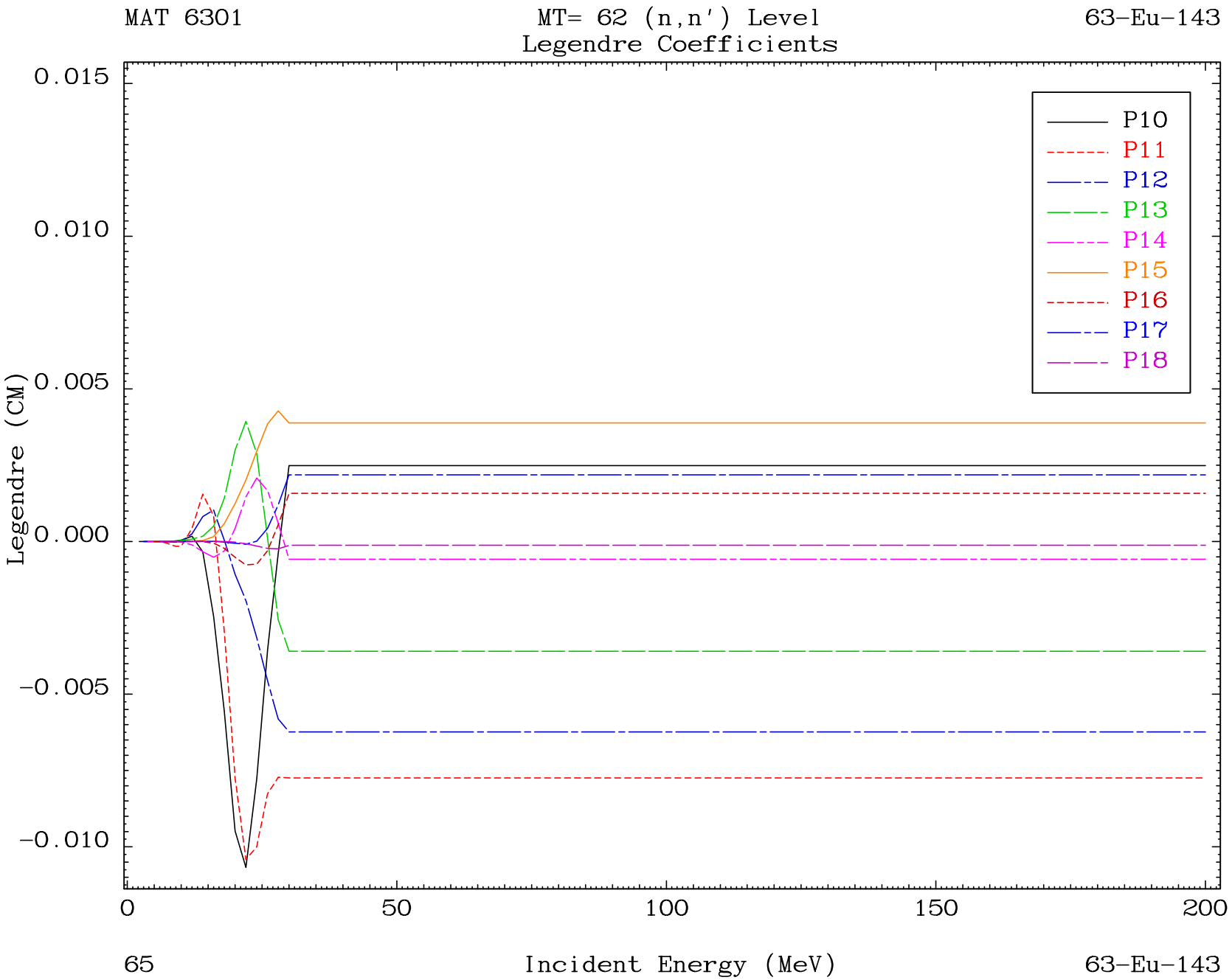

MAT 6301
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
60
Incident Energy (MeV)
63-Eu-143

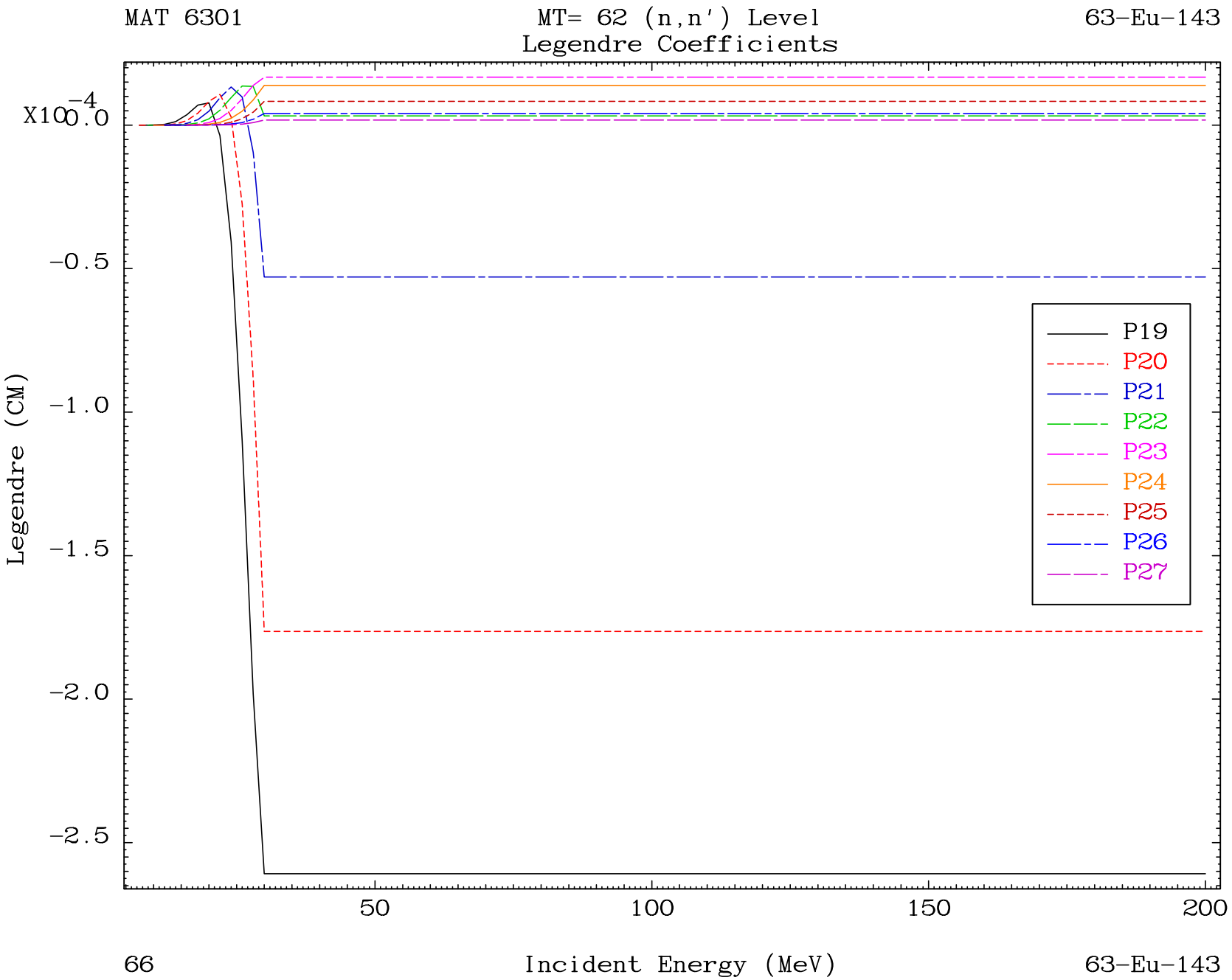

MAT 6301
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
63-Eu-143

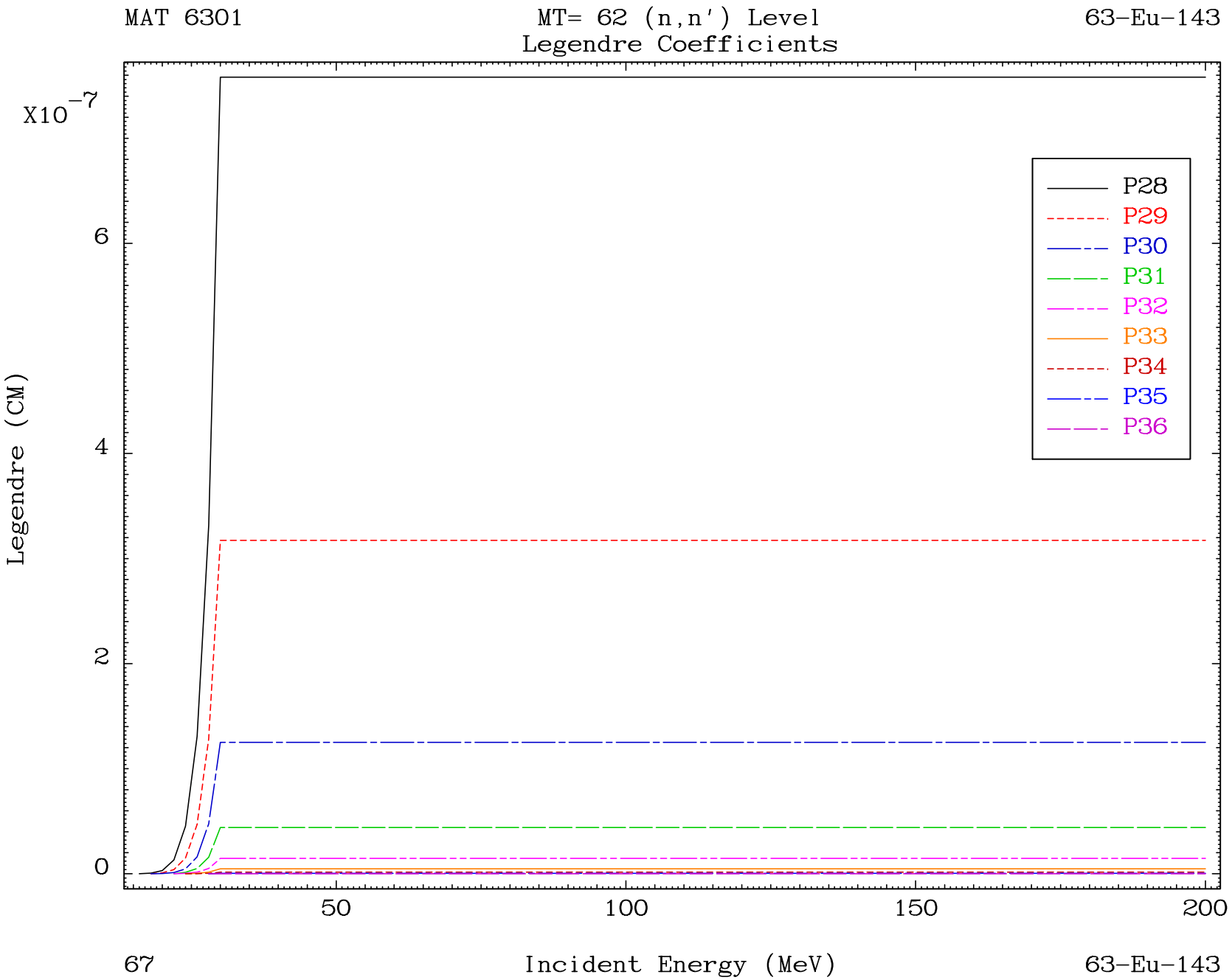

MAT 6301
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
63-Eu-143

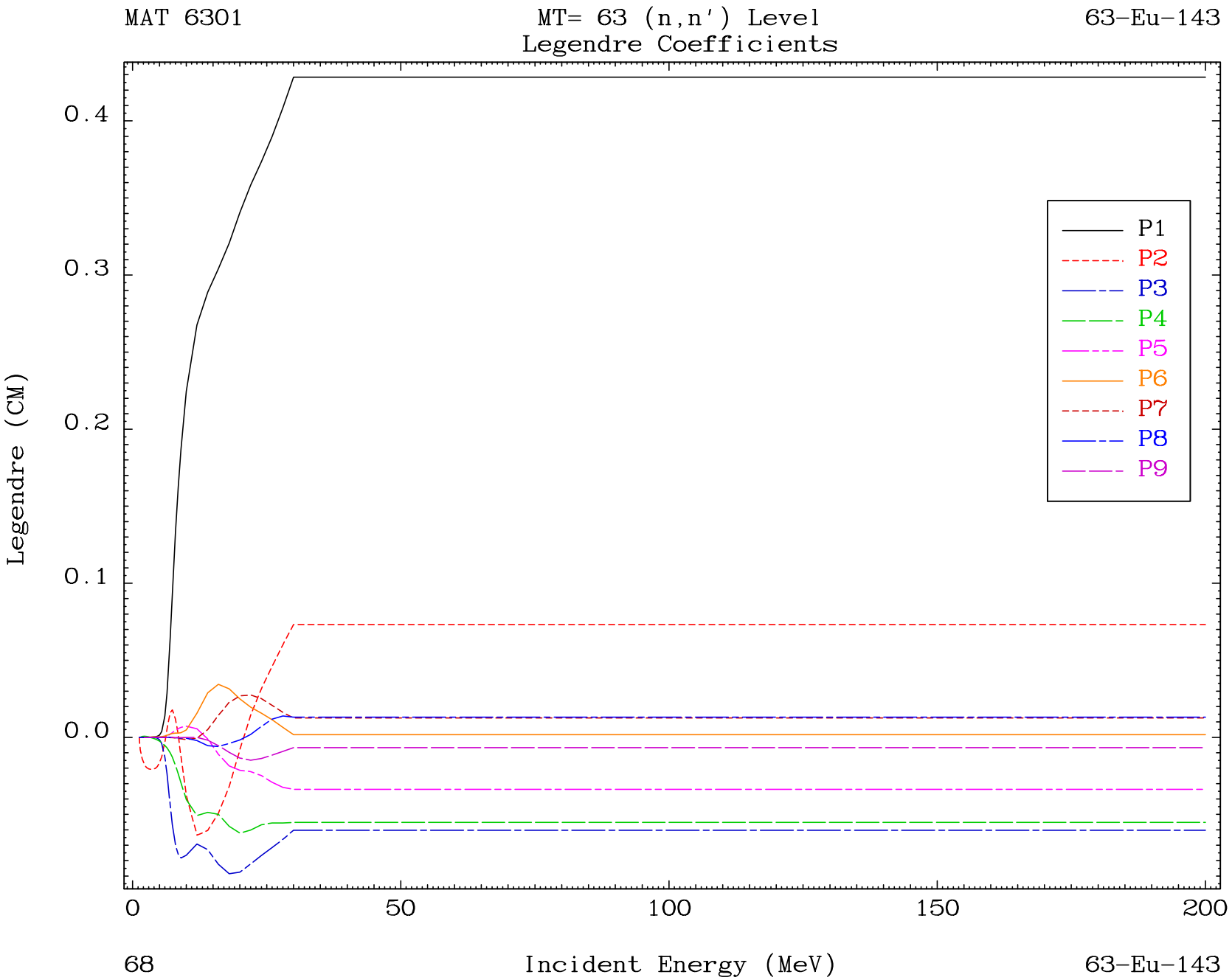

MAT 6301
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

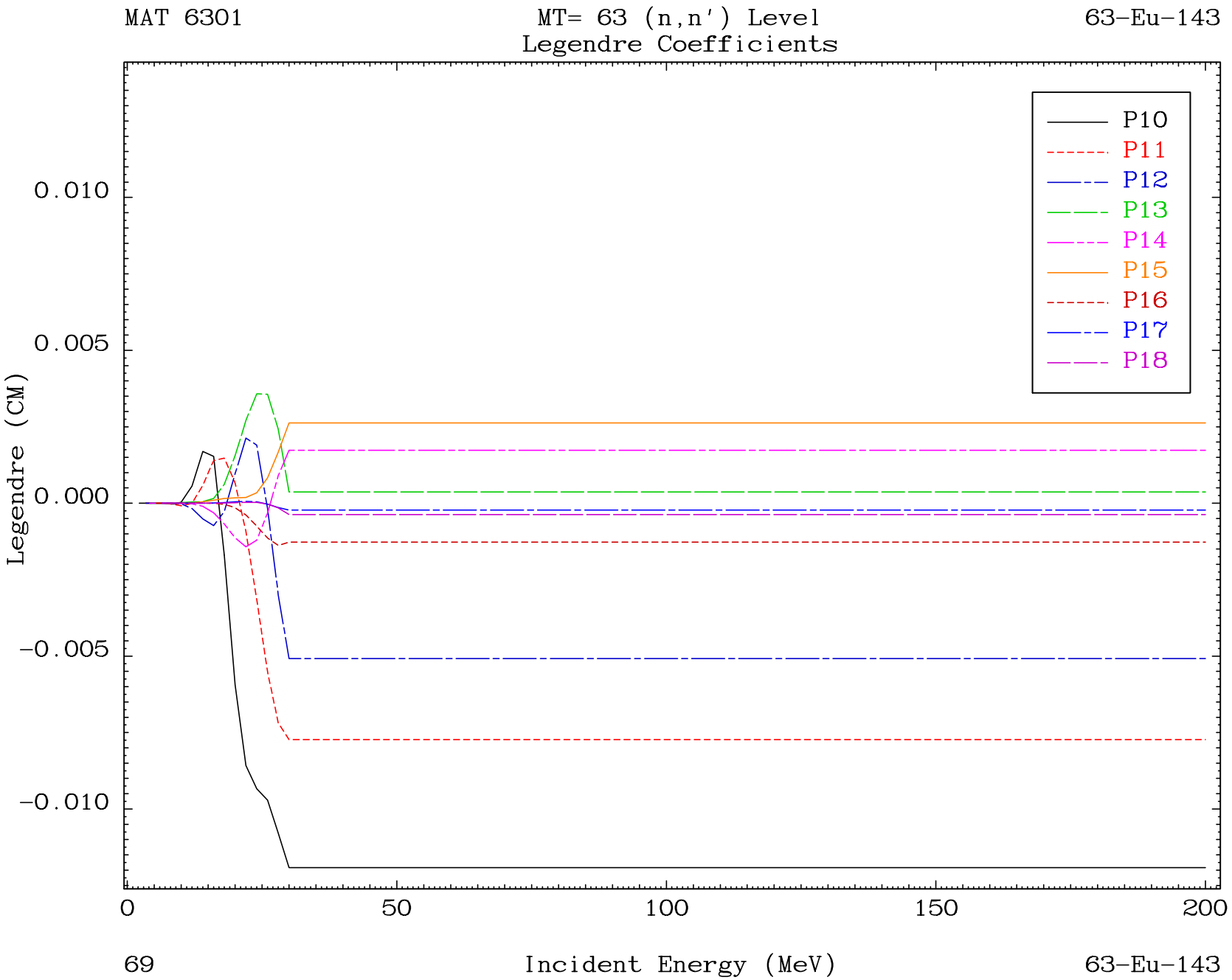

MAT 6301
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
64
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

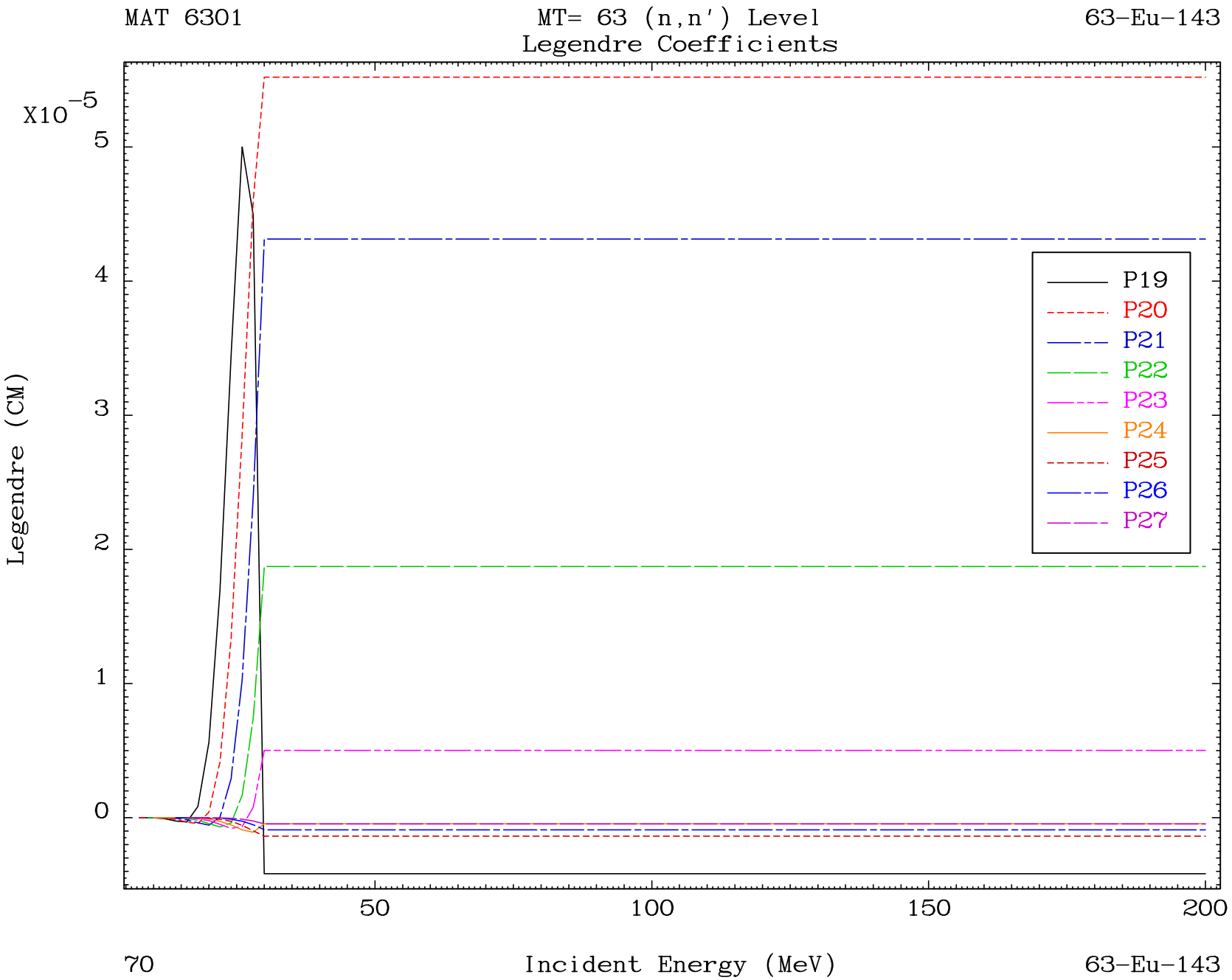

MAT 6301
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-143
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
65
Incident Energy (MeV)
63-Eu-143

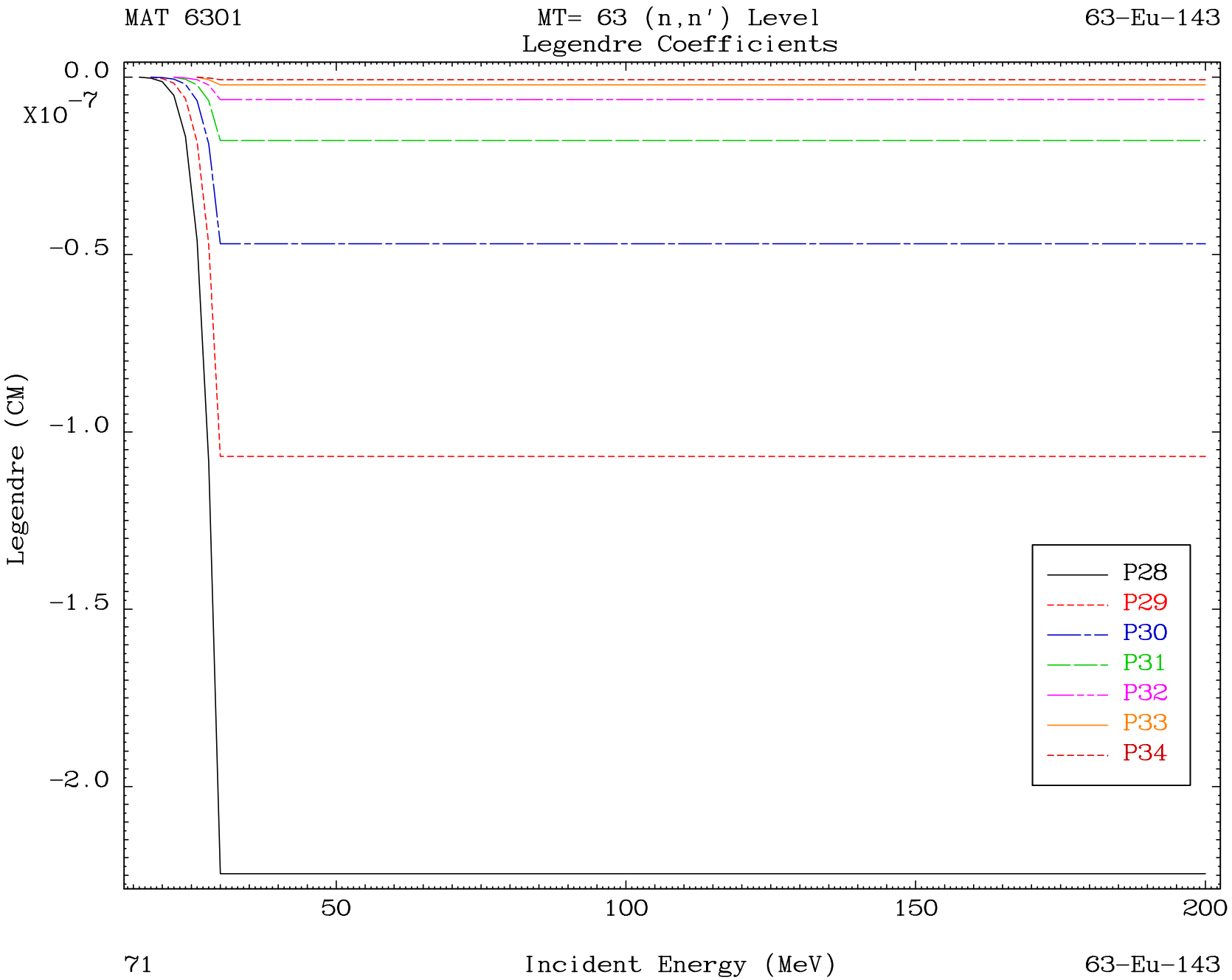

MAT 6301
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27

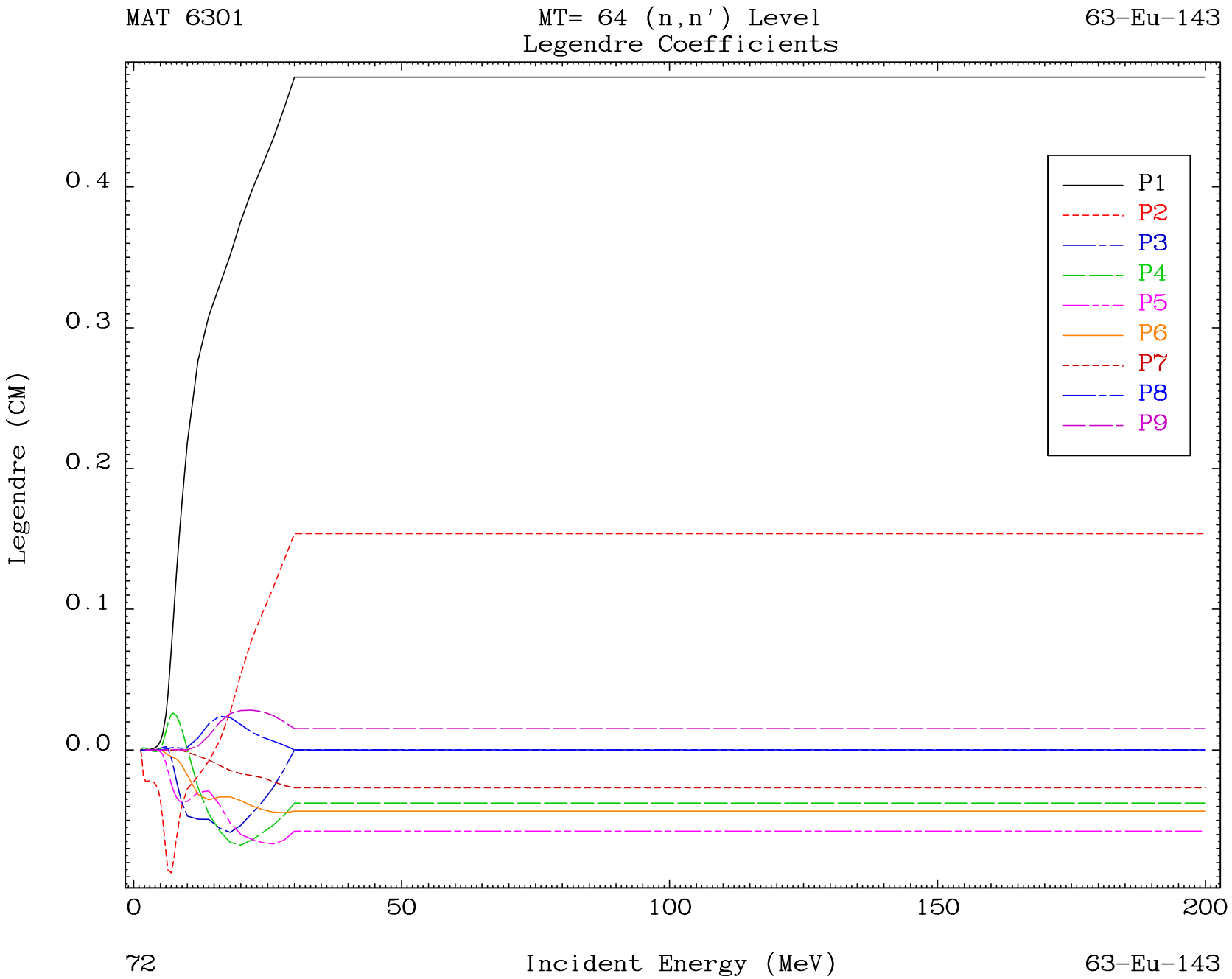

MAT 6301
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-7
Legendre (CM)
6
4
2
0
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
67
Incident Energy (MeV)
63-Eu-143

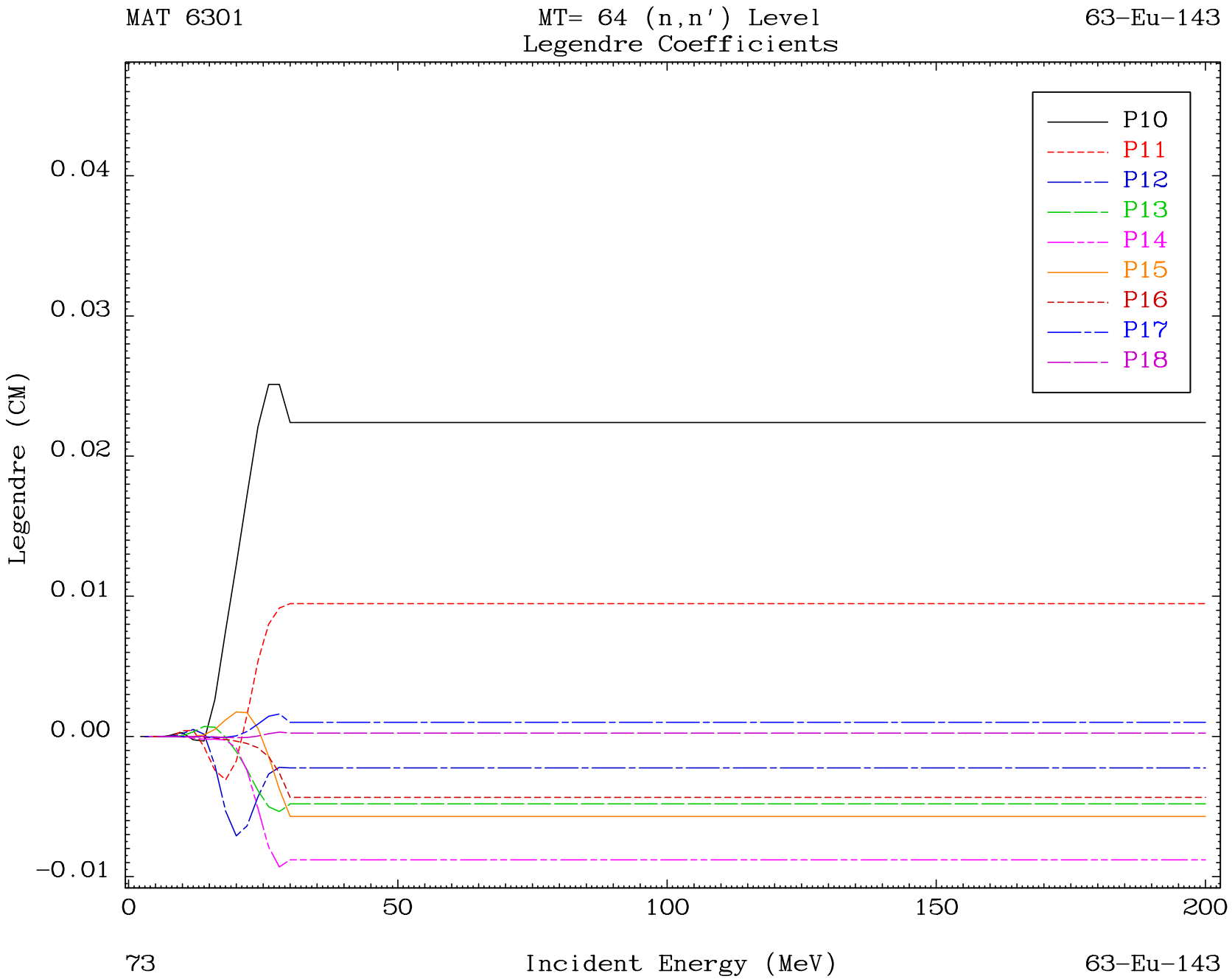

MAT 6301
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
68
Incident Energy (MeV)
63-Eu-143

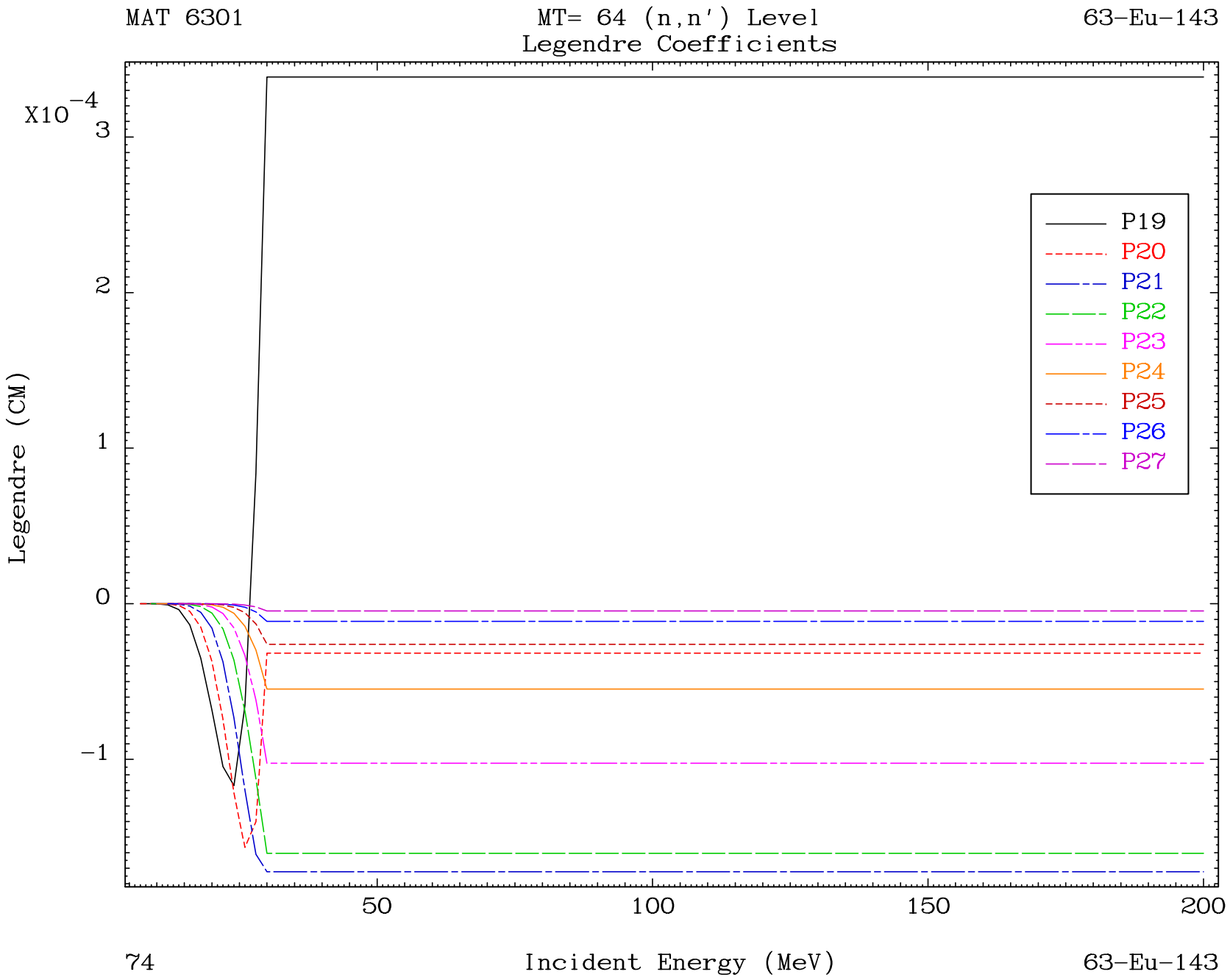

MAT 6301
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
63-Eu-143

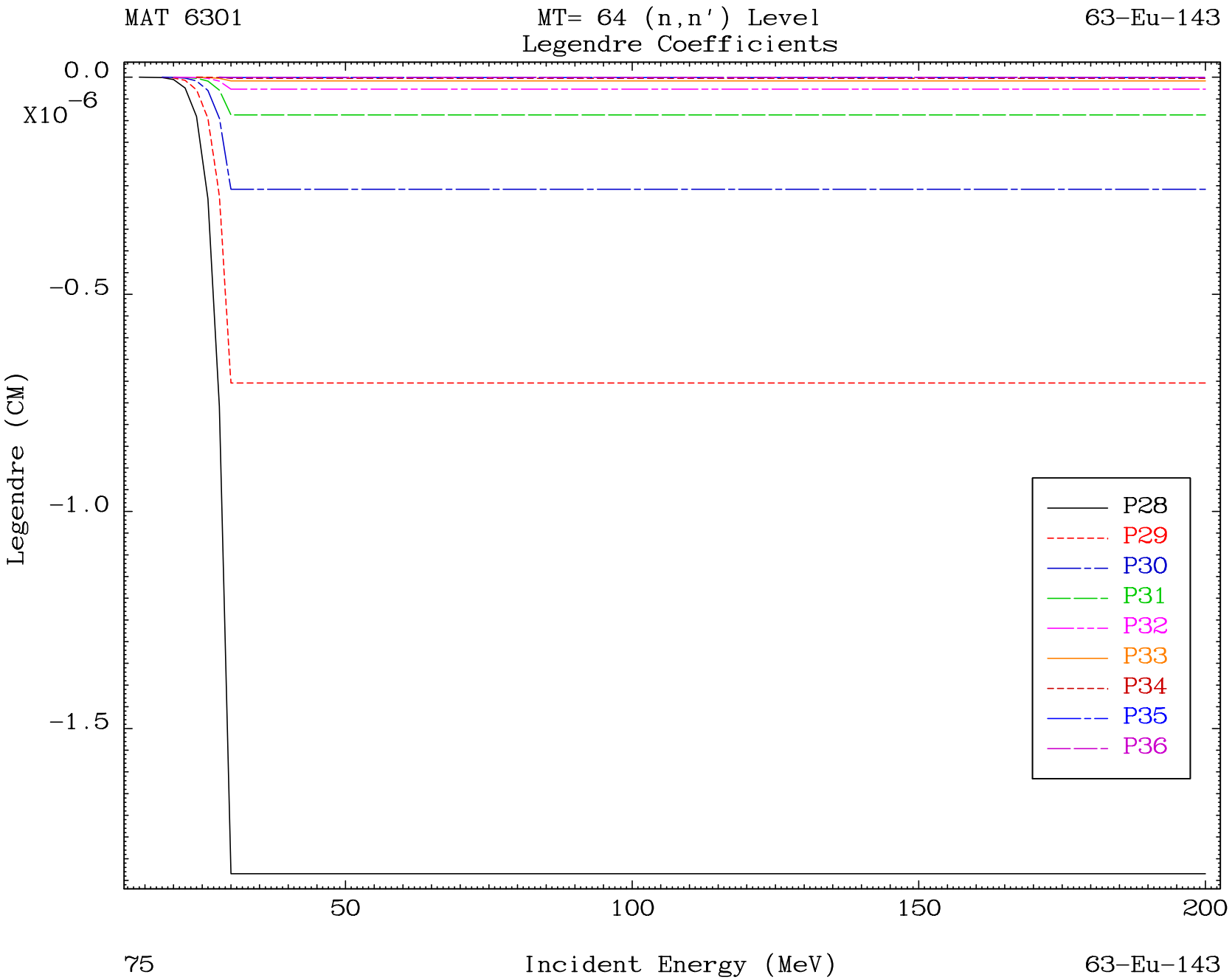

MAT 6301
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -5
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
70
Incident Energy (MeV)
63-Eu-143

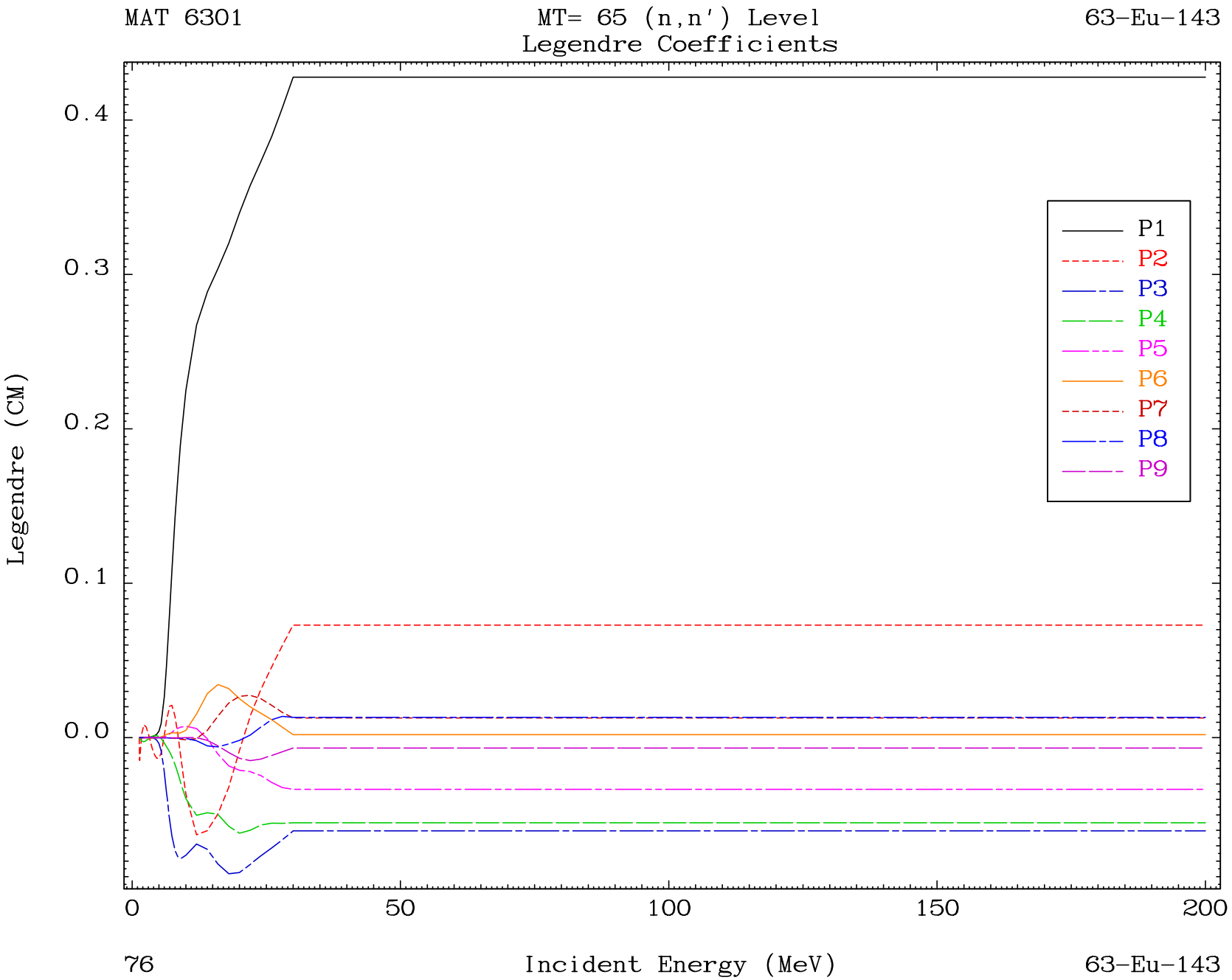

MAT 6301
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-143
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34

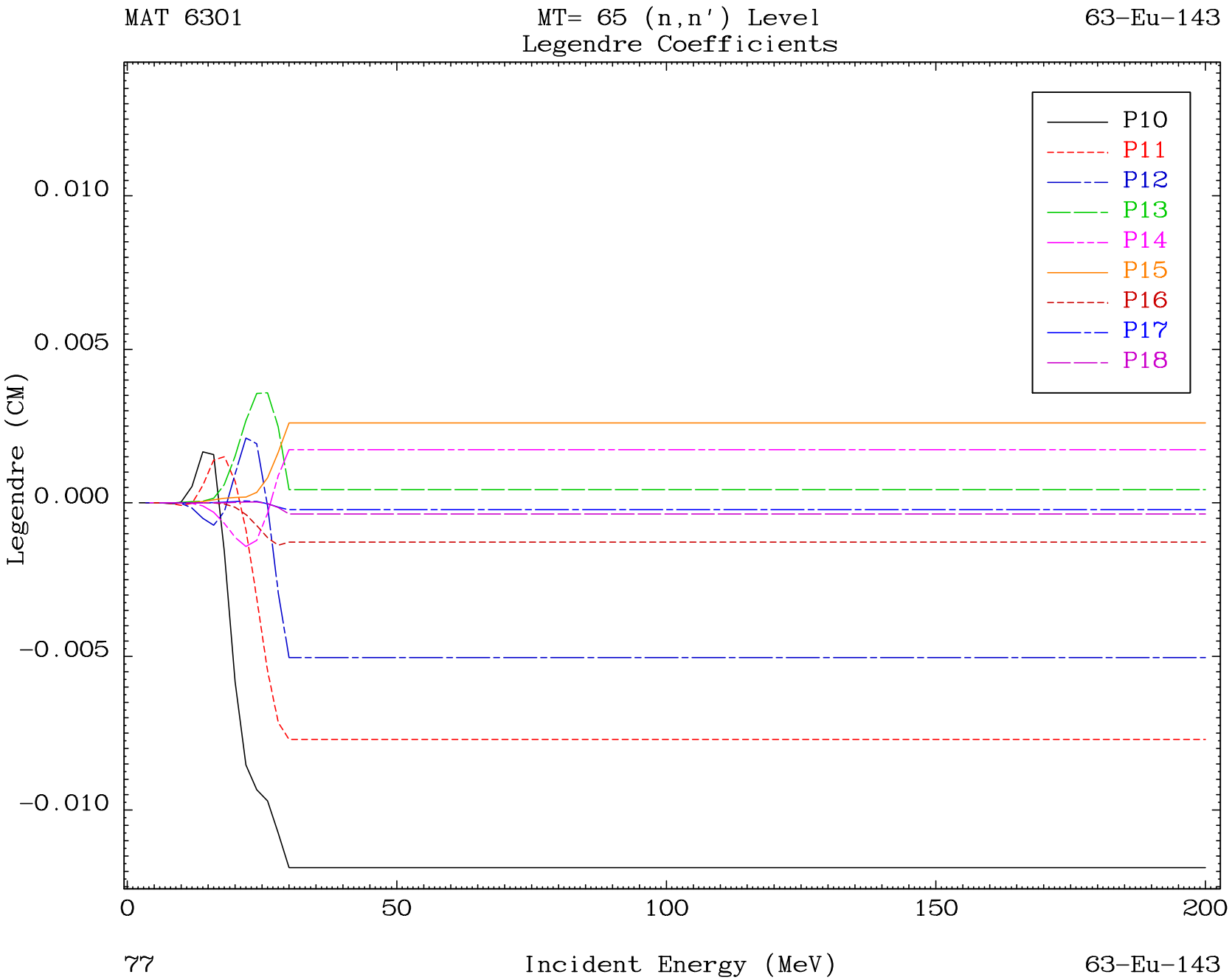

MAT 6301
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
72
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

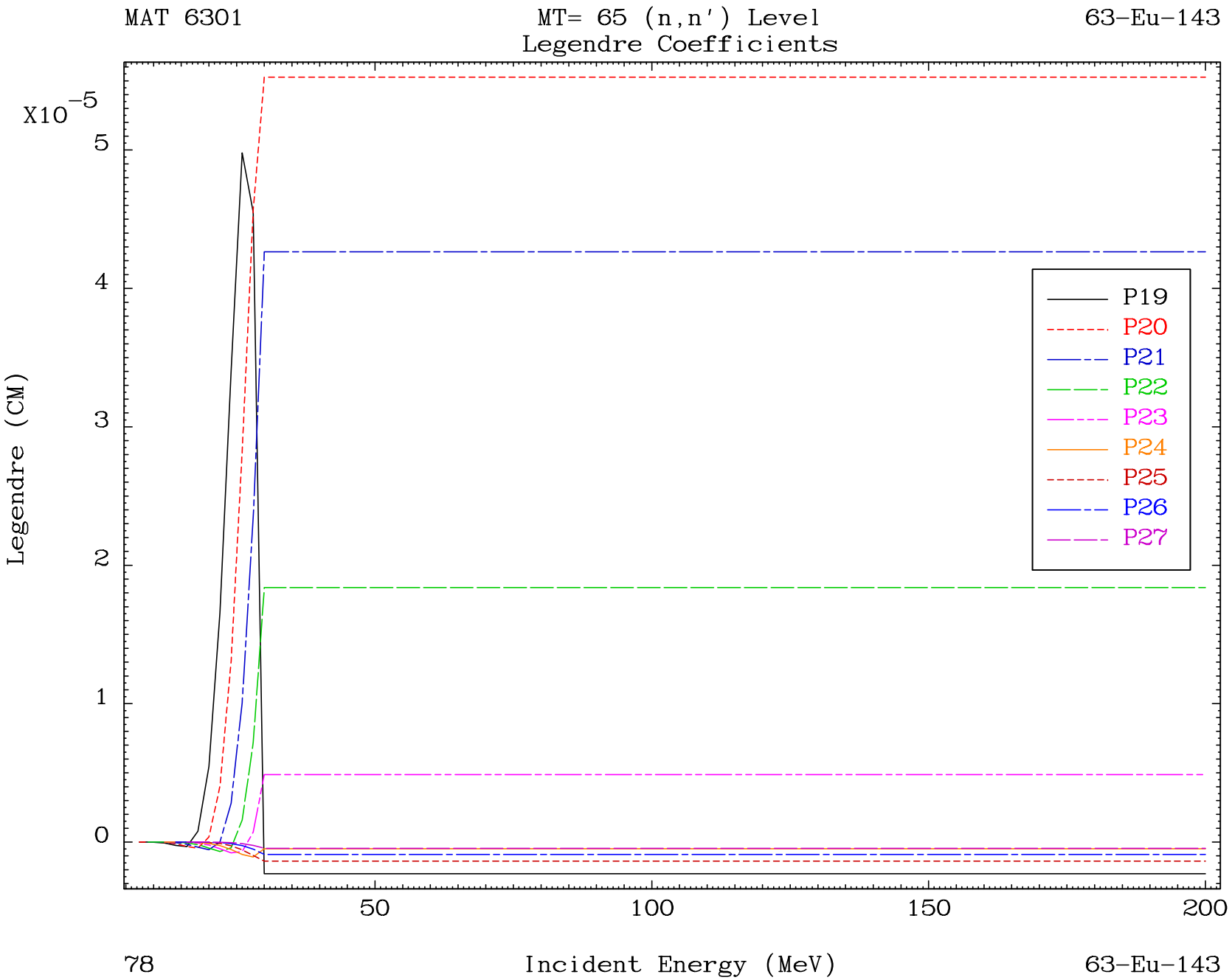

MAT 6301
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
63-Eu-143

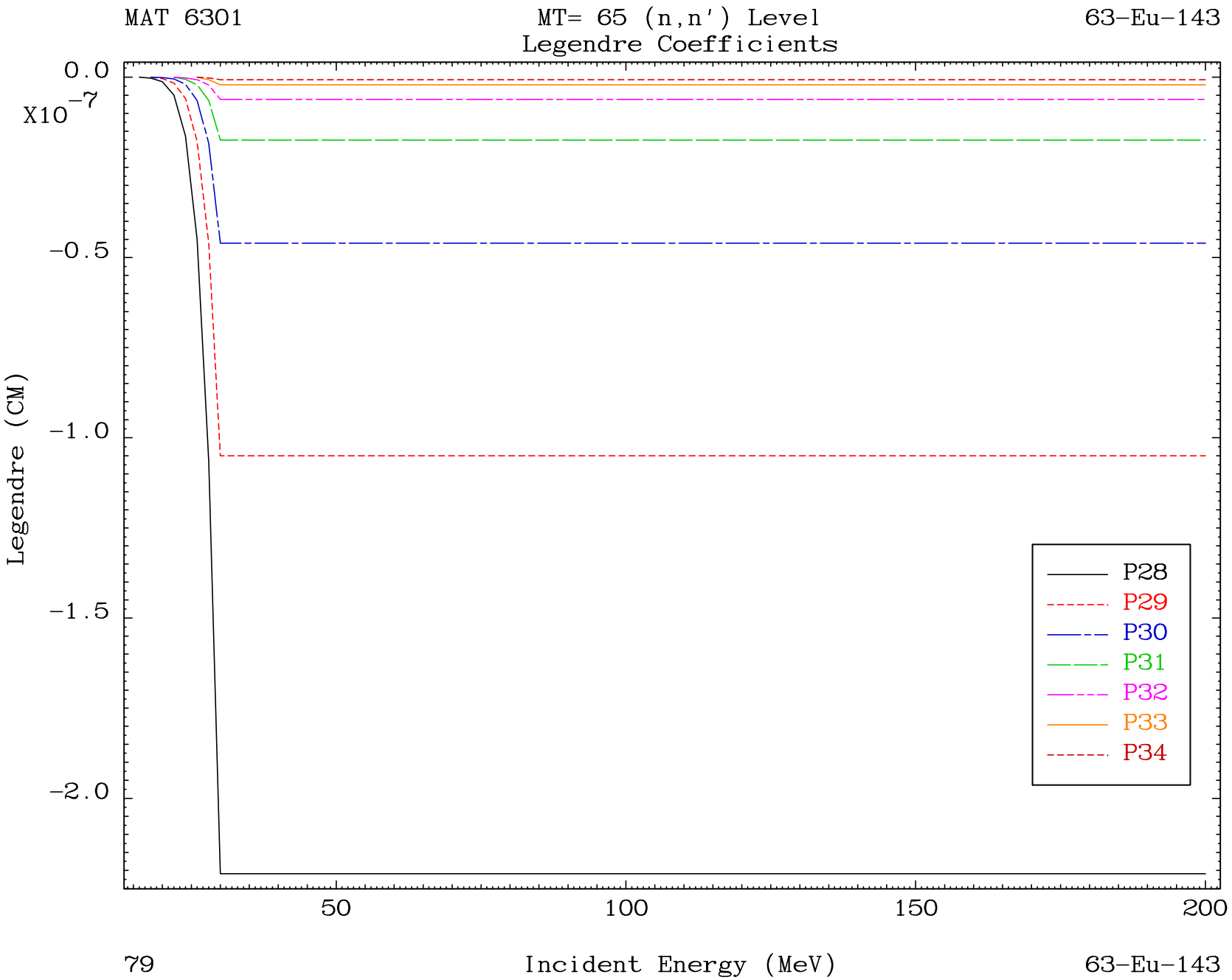

MAT 6301
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-4
3
2
1
0
-1
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
74
Incident Energy (MeV)
63-Eu-143

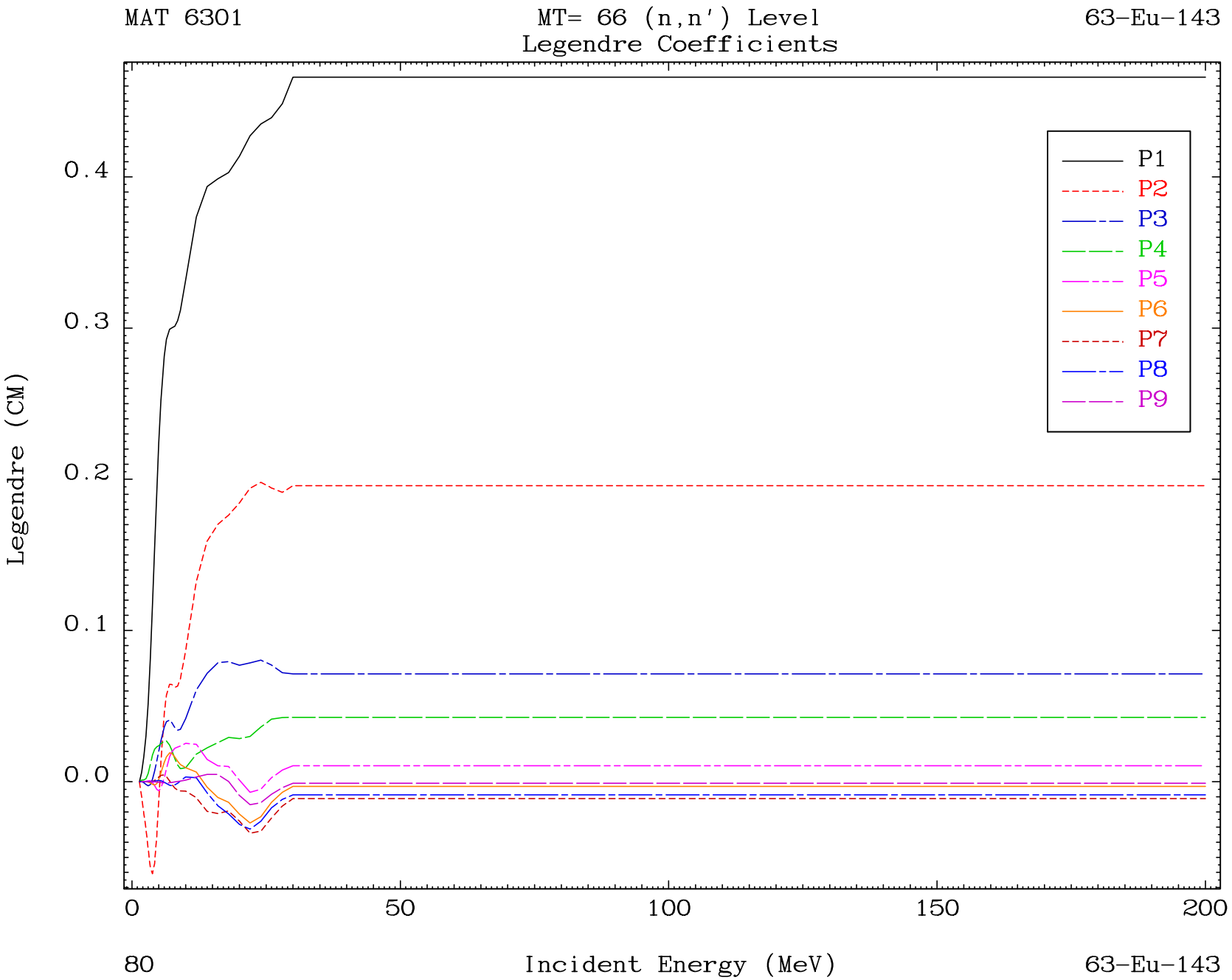

MAT 6301
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-143
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

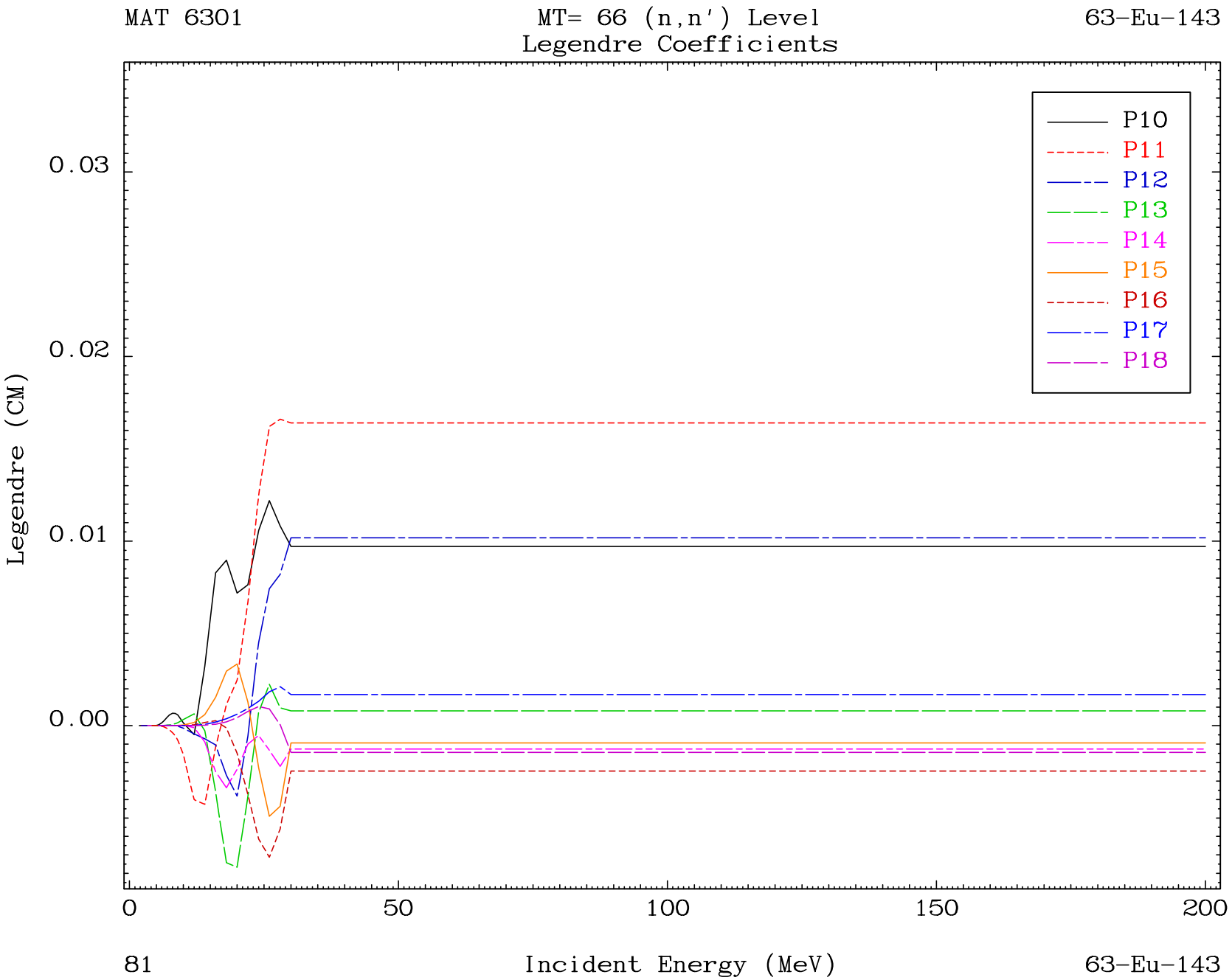

MAT 6301
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
76
Incident Energy (MeV)
63-Eu-143

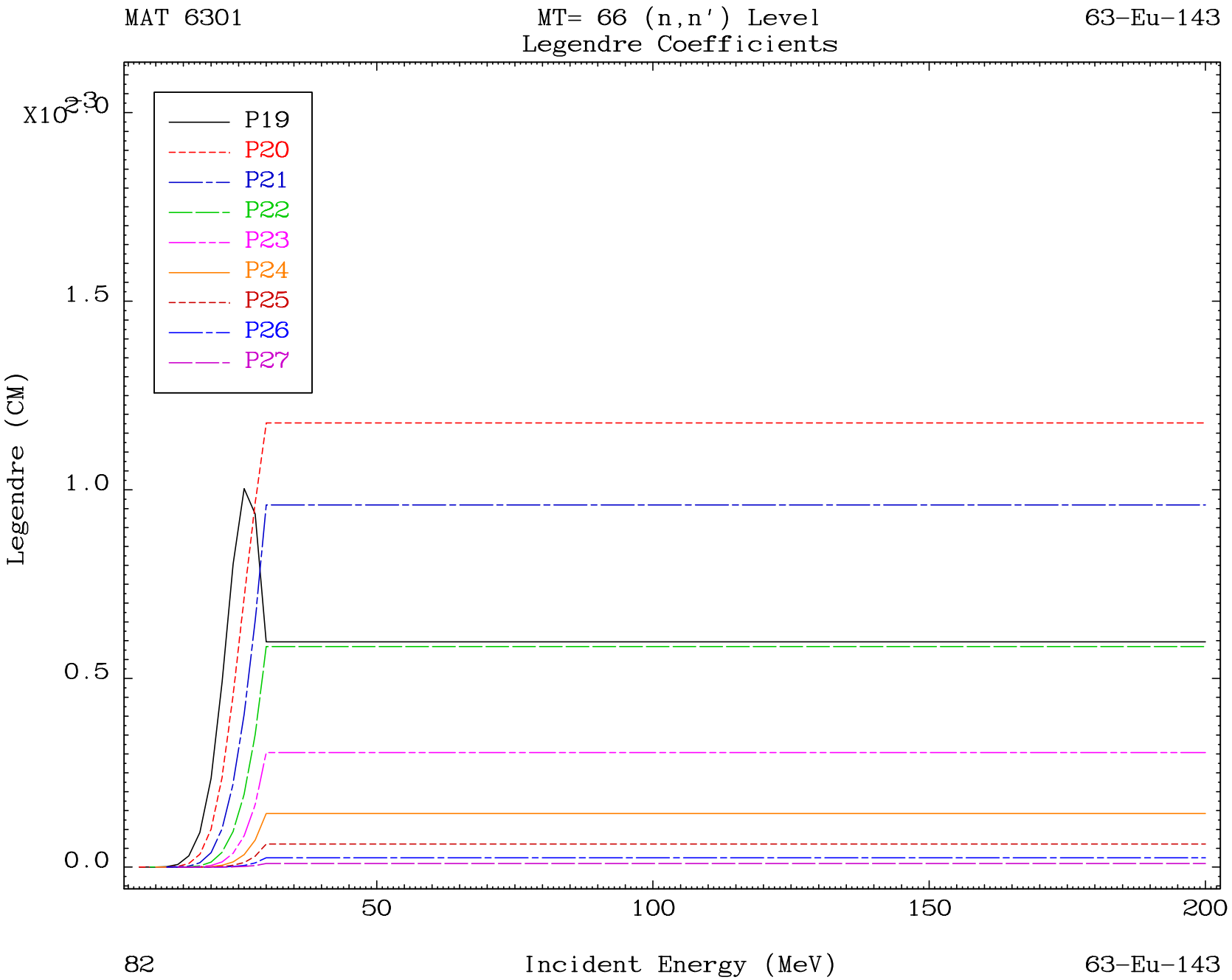

MAT 6301
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
77
Incident Energy (MeV)
63-Eu-143

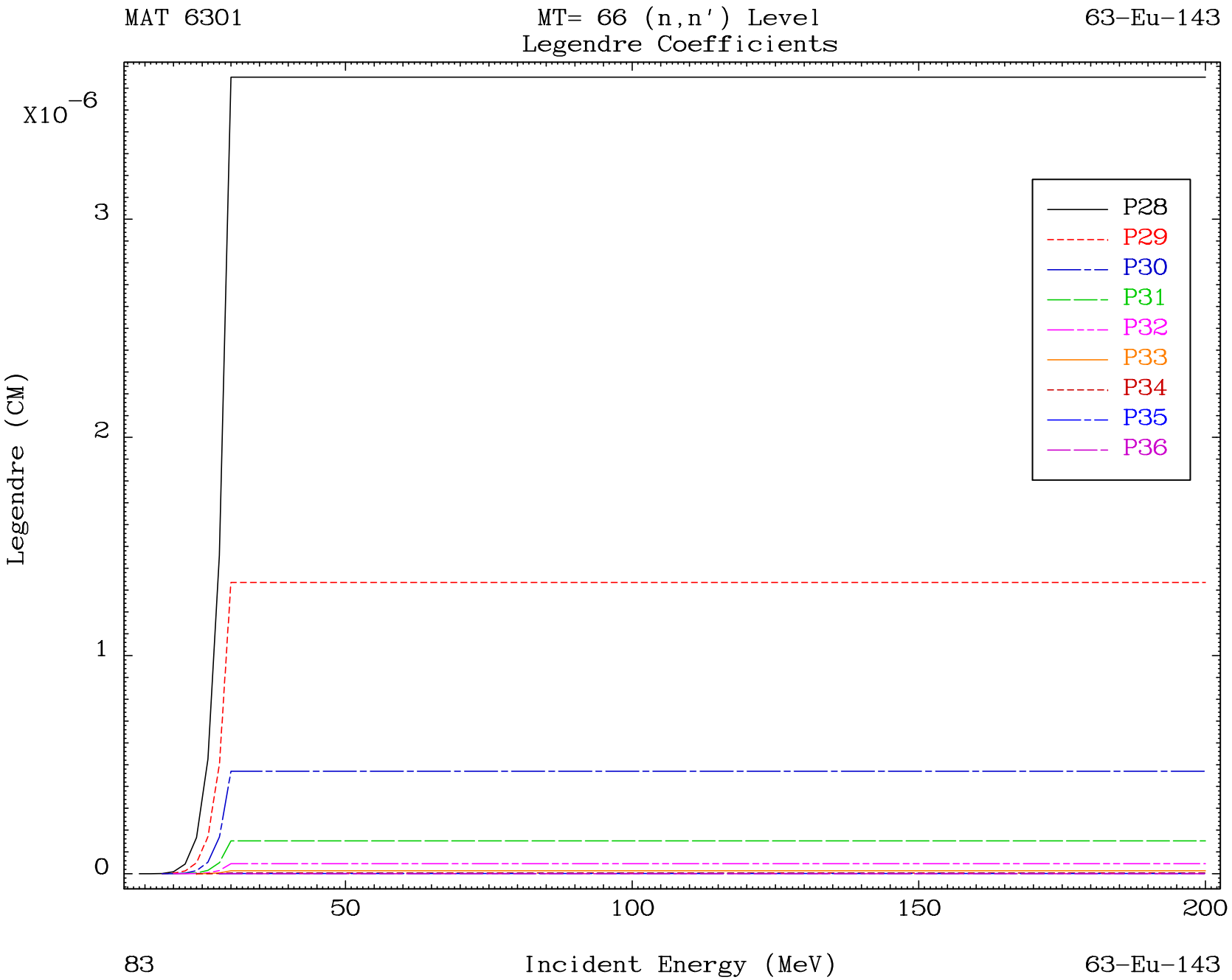

MAT 6301
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-143
X10 -5
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27

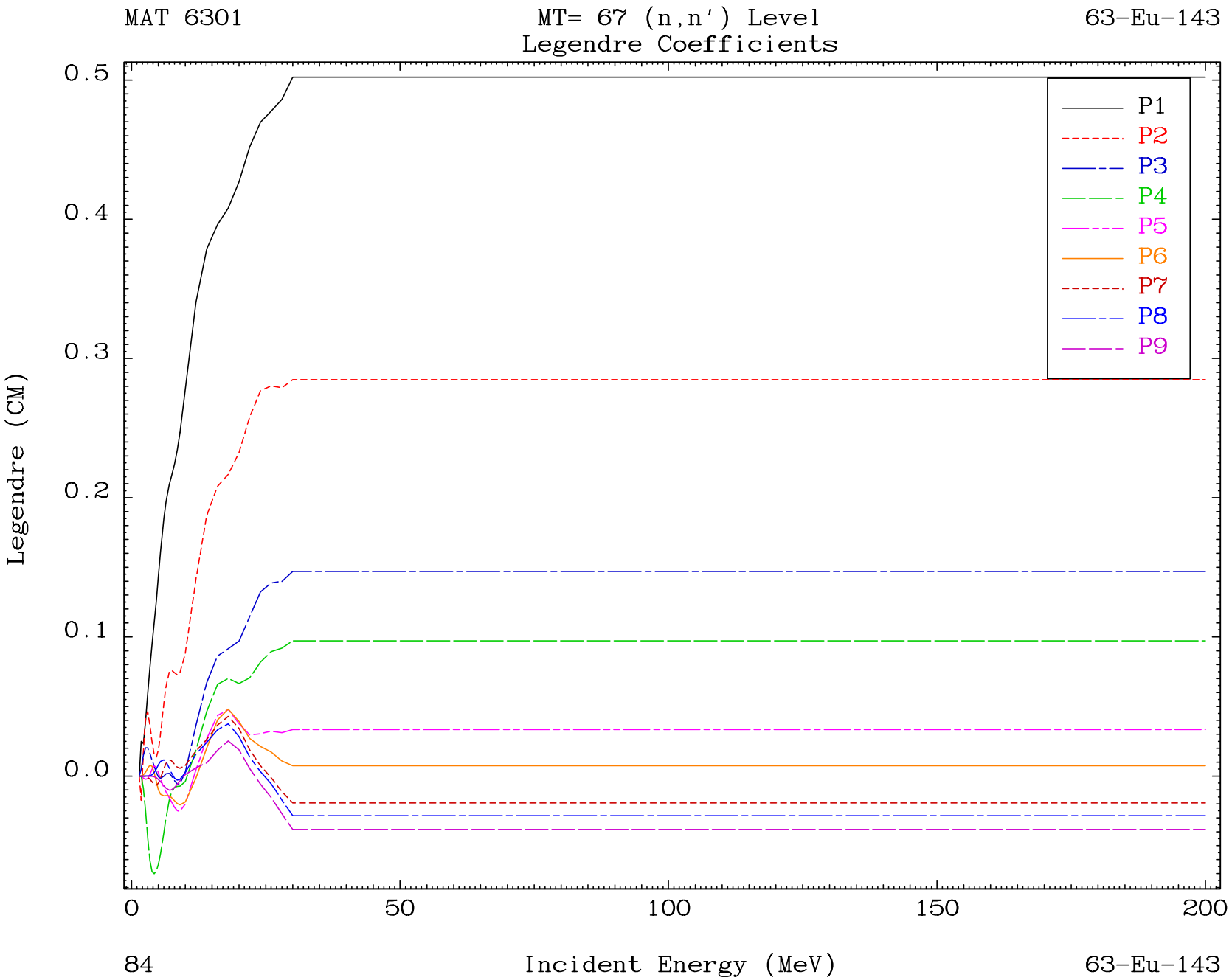

MAT 6301
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-143
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
79
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34

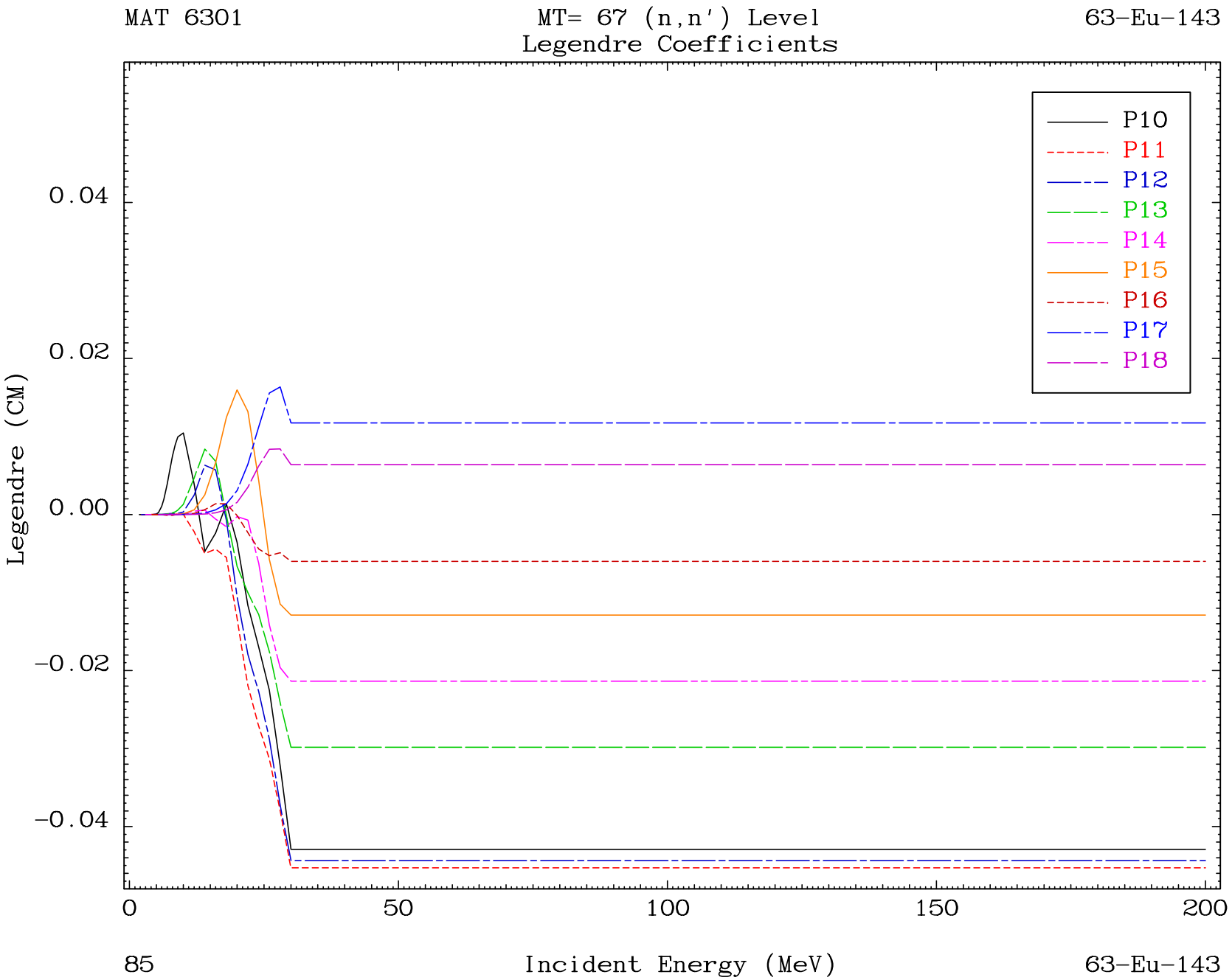

MAT 6301
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
80
Incident Energy (MeV)
63-Eu-143

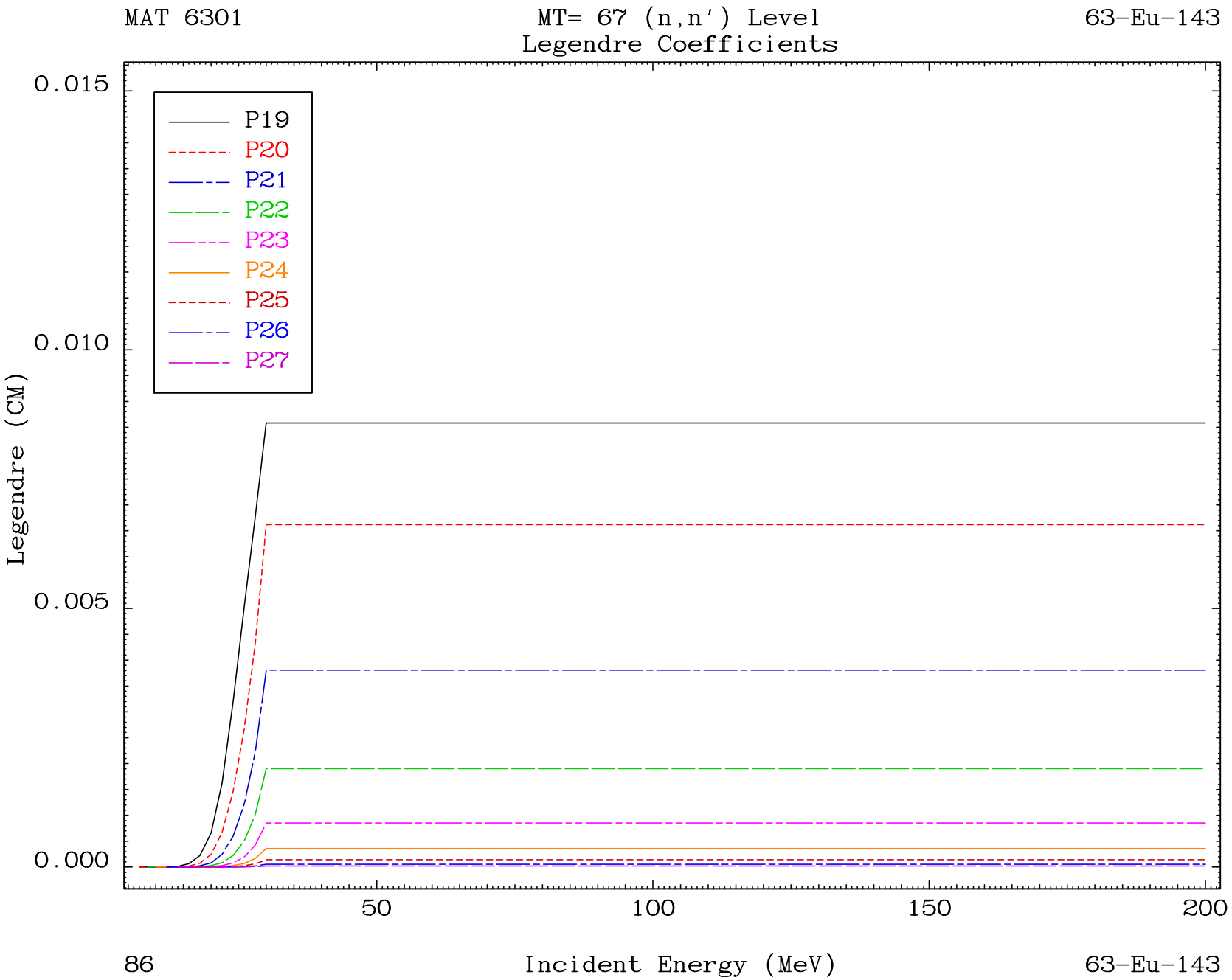

MAT 6301
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
81
Incident Energy (MeV)
63-Eu-143

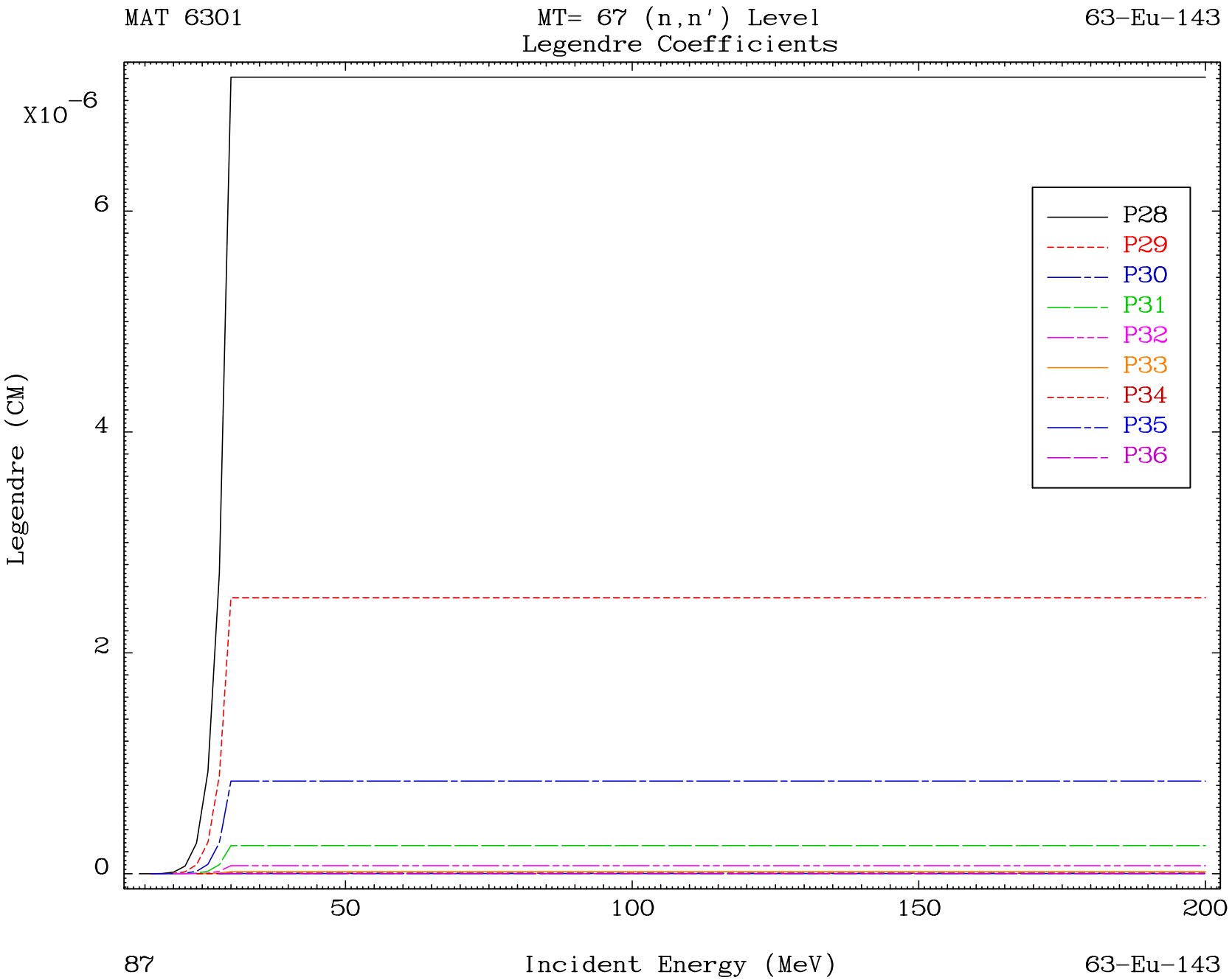

MAT 6301
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
82
Incident Energy (MeV)
63-Eu-143

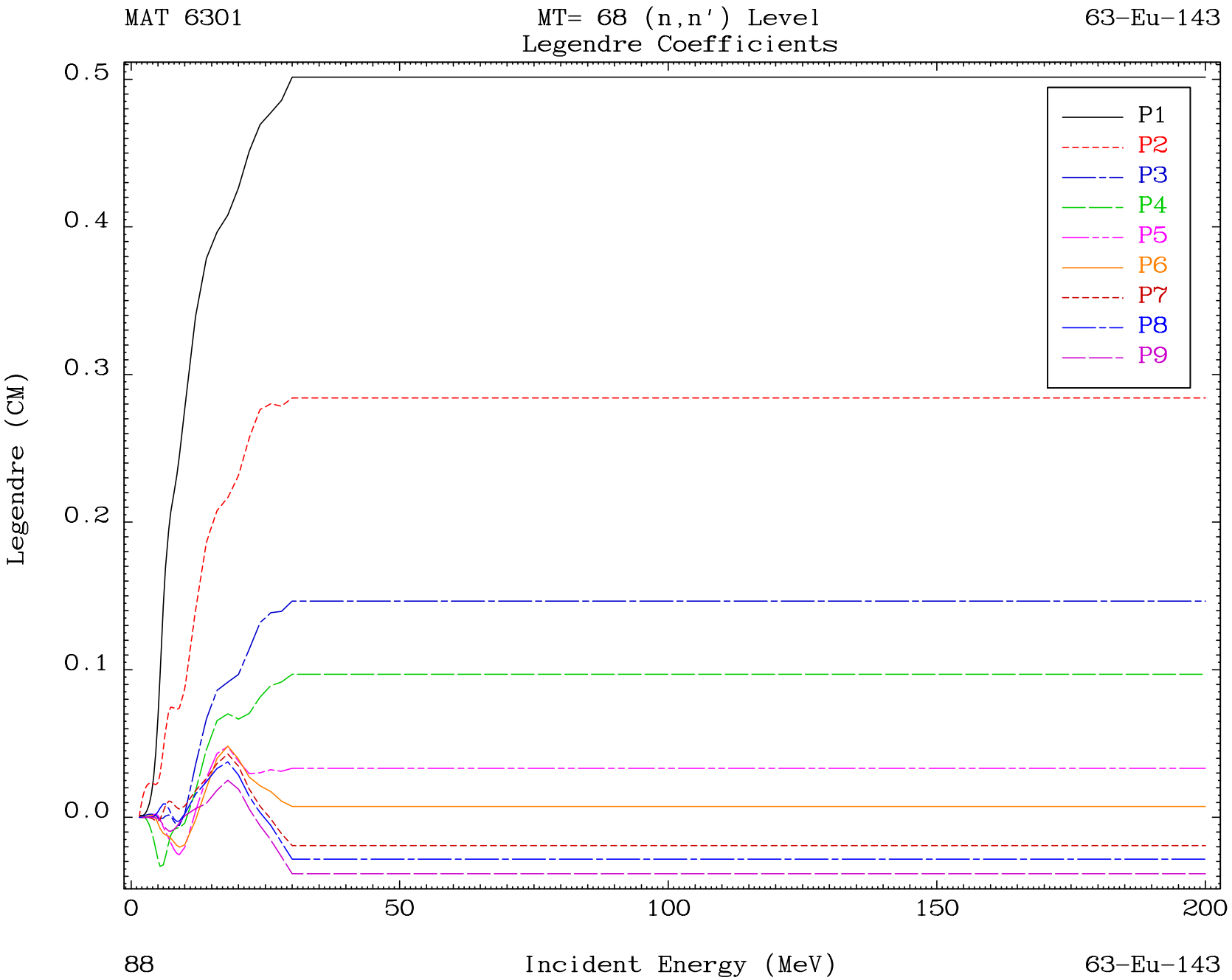

MAT 6301
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
83
Incident Energy (MeV)
63-Eu-143

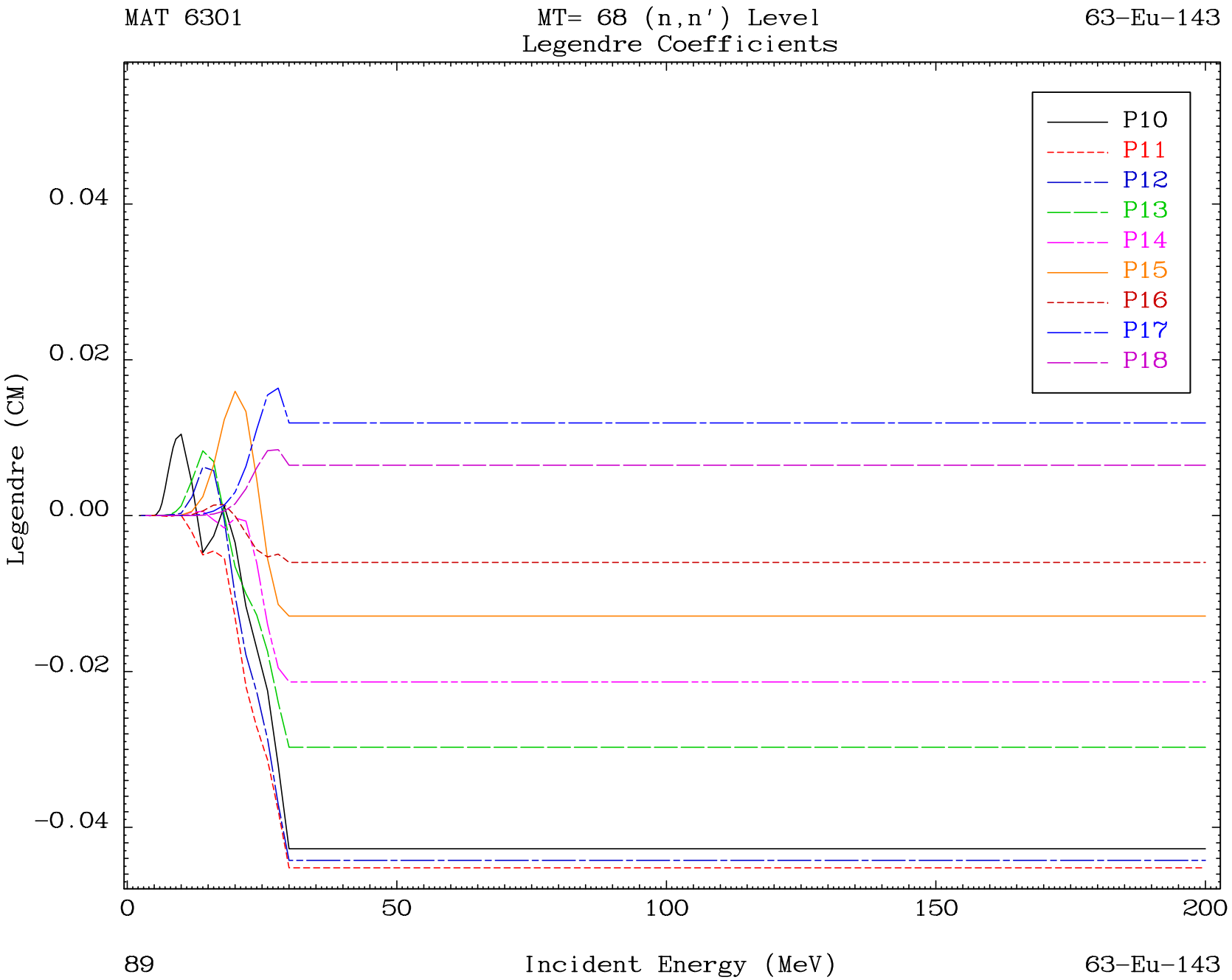

MAT 6301
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
84
Incident Energy (MeV)
63-Eu-143

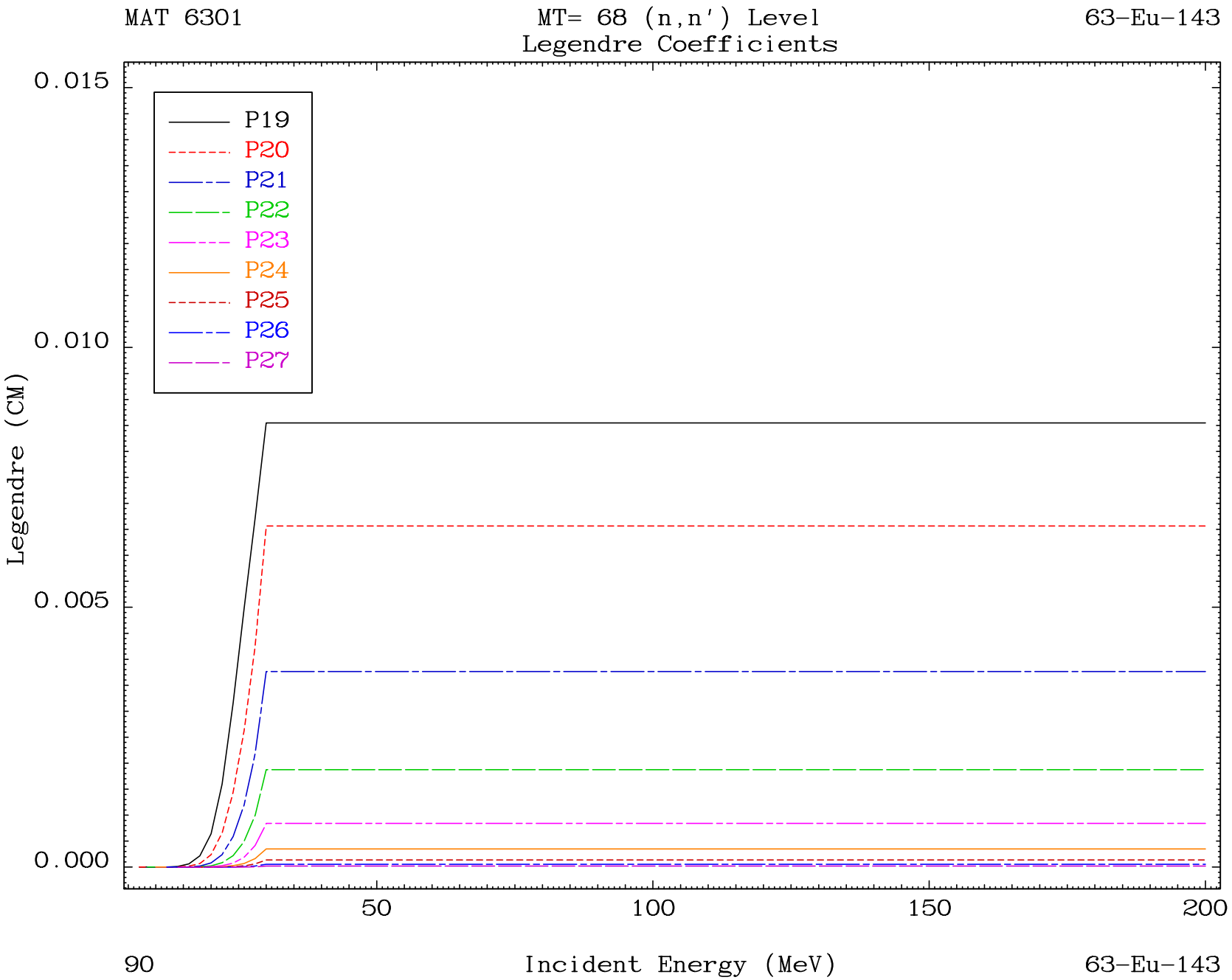

MAT 6301
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
63-Eu-143

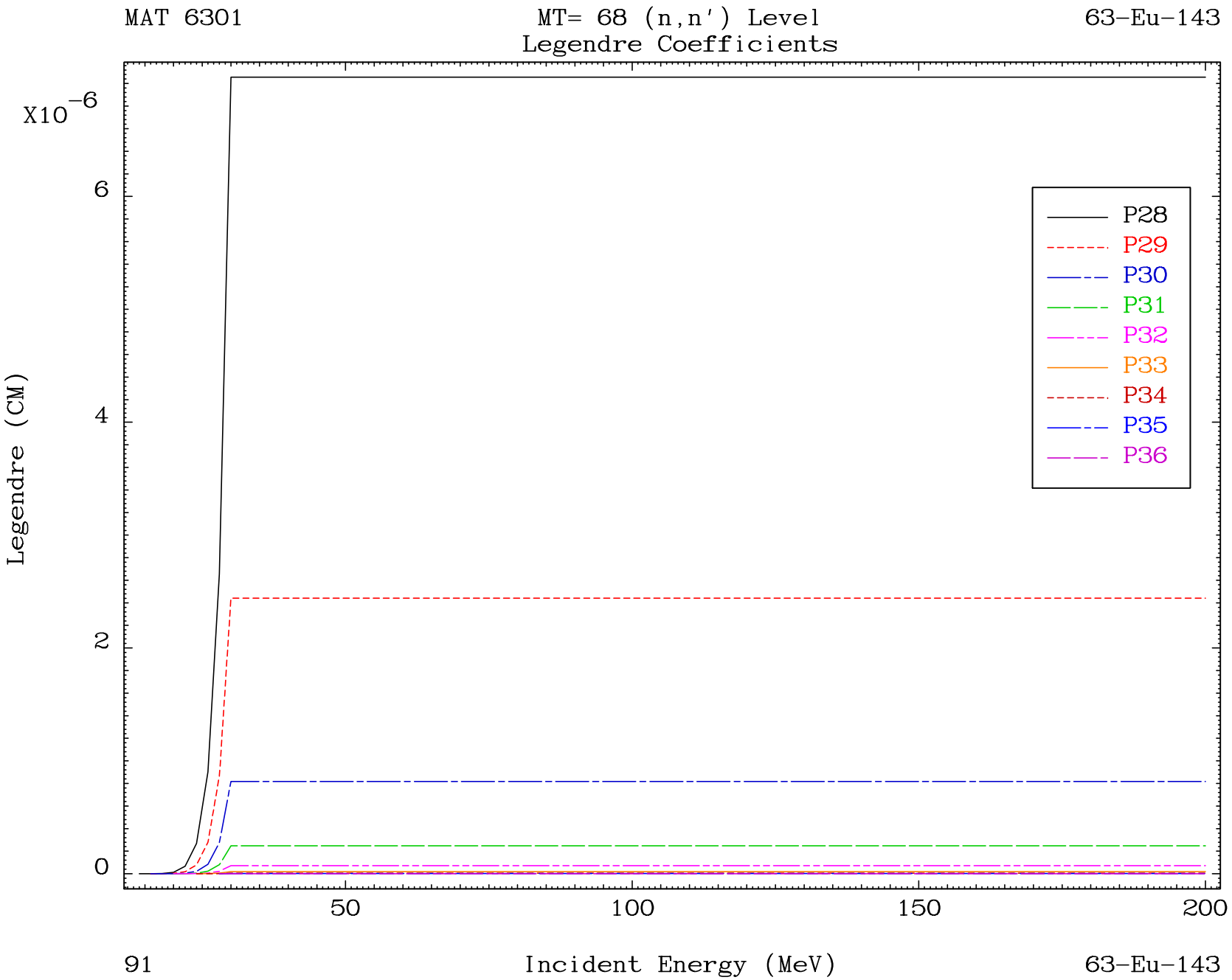

MAT 6301
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
86
63-Eu-143

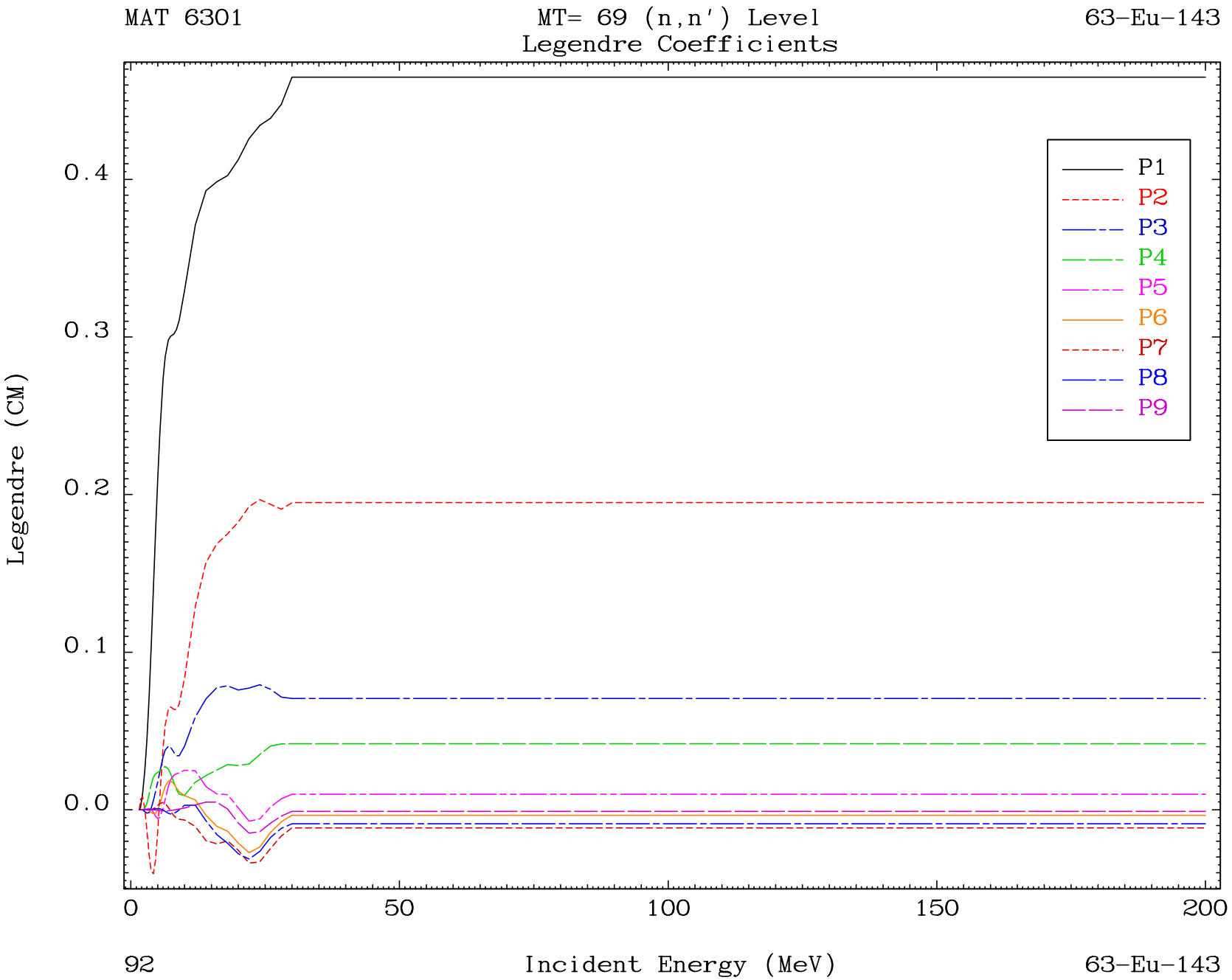

MAT 6301
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
87
Incident Energy (MeV)
63-Eu-143

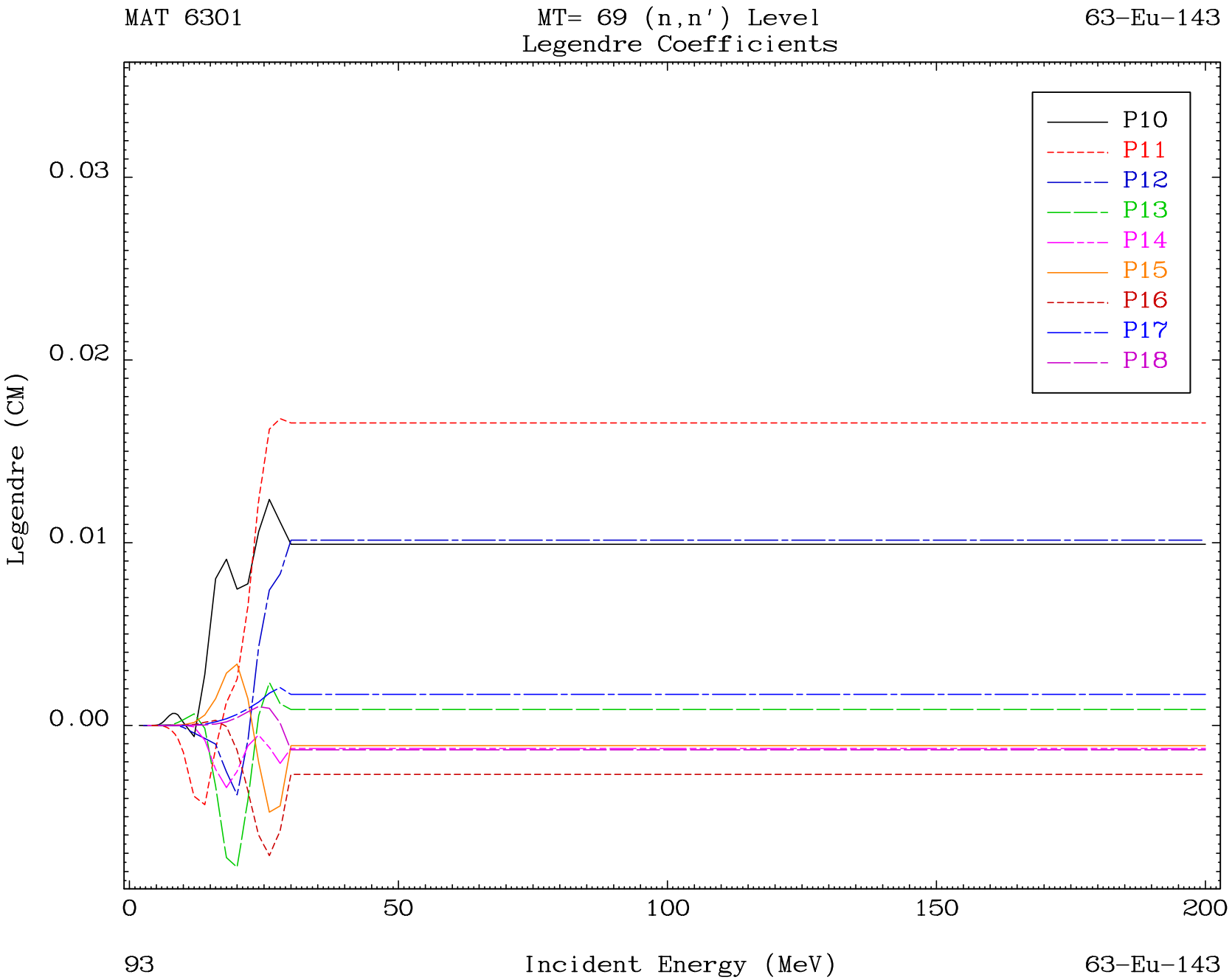

MAT 6301
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
88
Incident Energy (MeV)
63-Eu-143

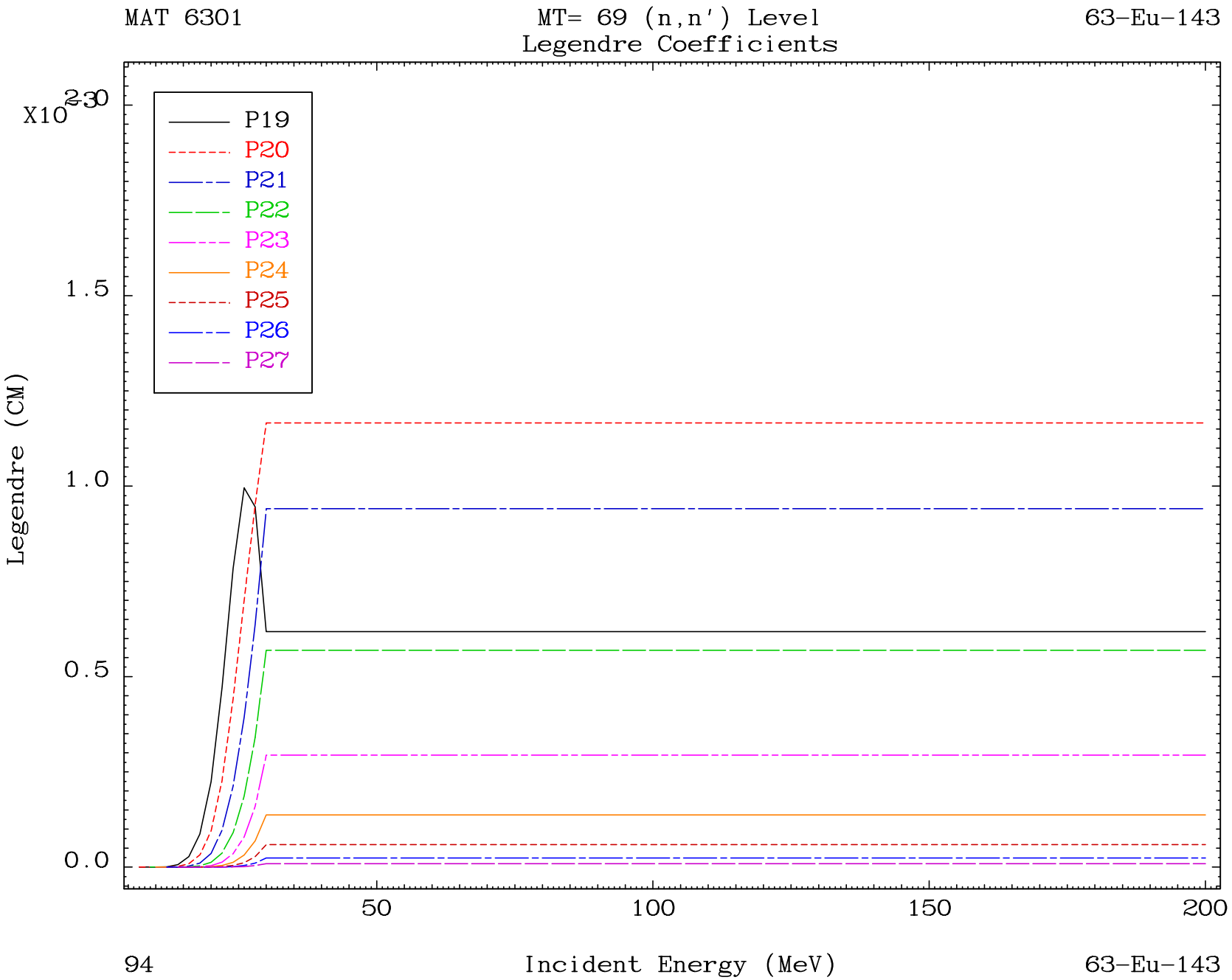

MAT 6301
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
89
Incident Energy (MeV)
63-Eu-143

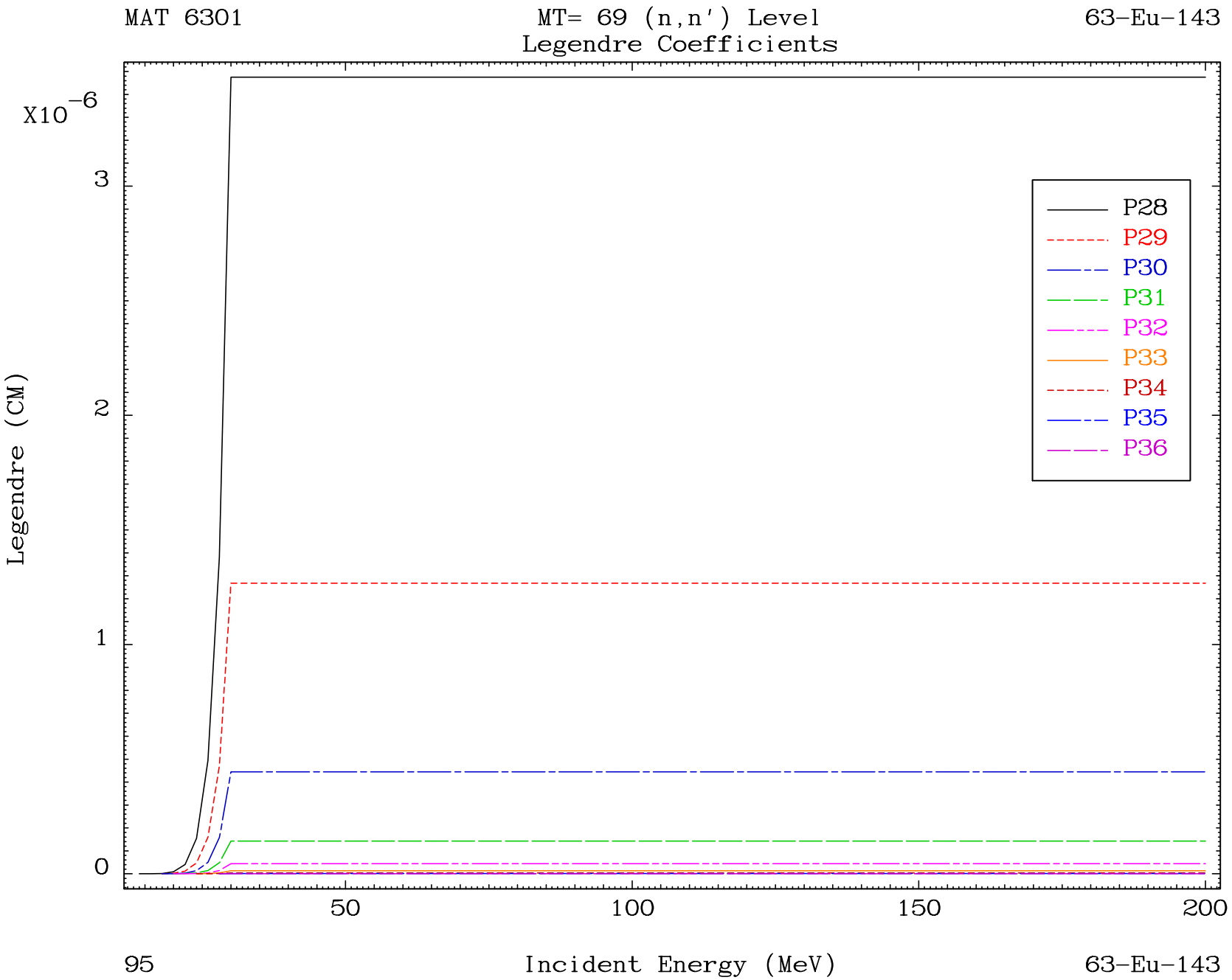

MAT 6301
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
90
Incident Energy (MeV)
63-Eu-143

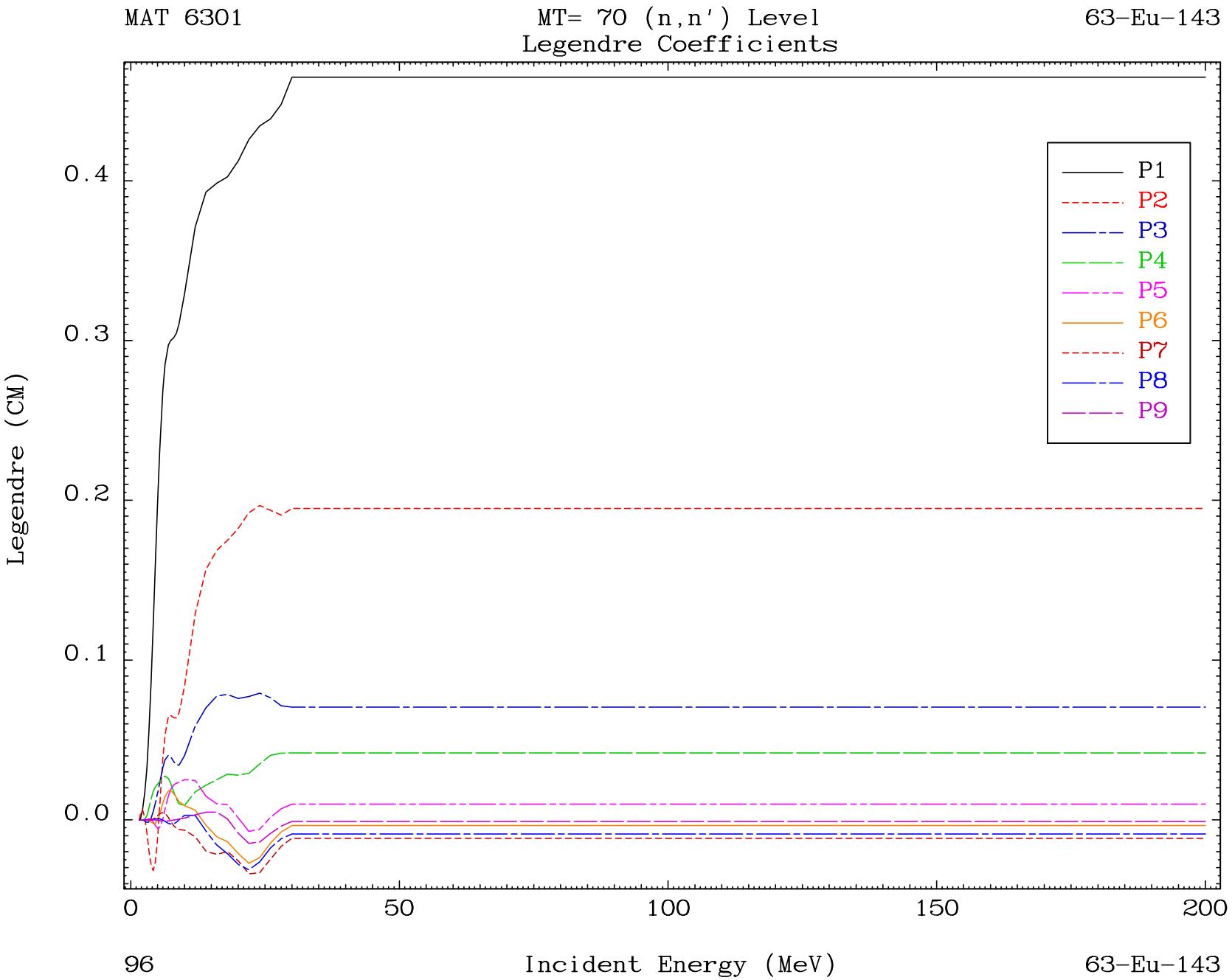

MAT 6301
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
91
Incident Energy (MeV)
63-Eu-143

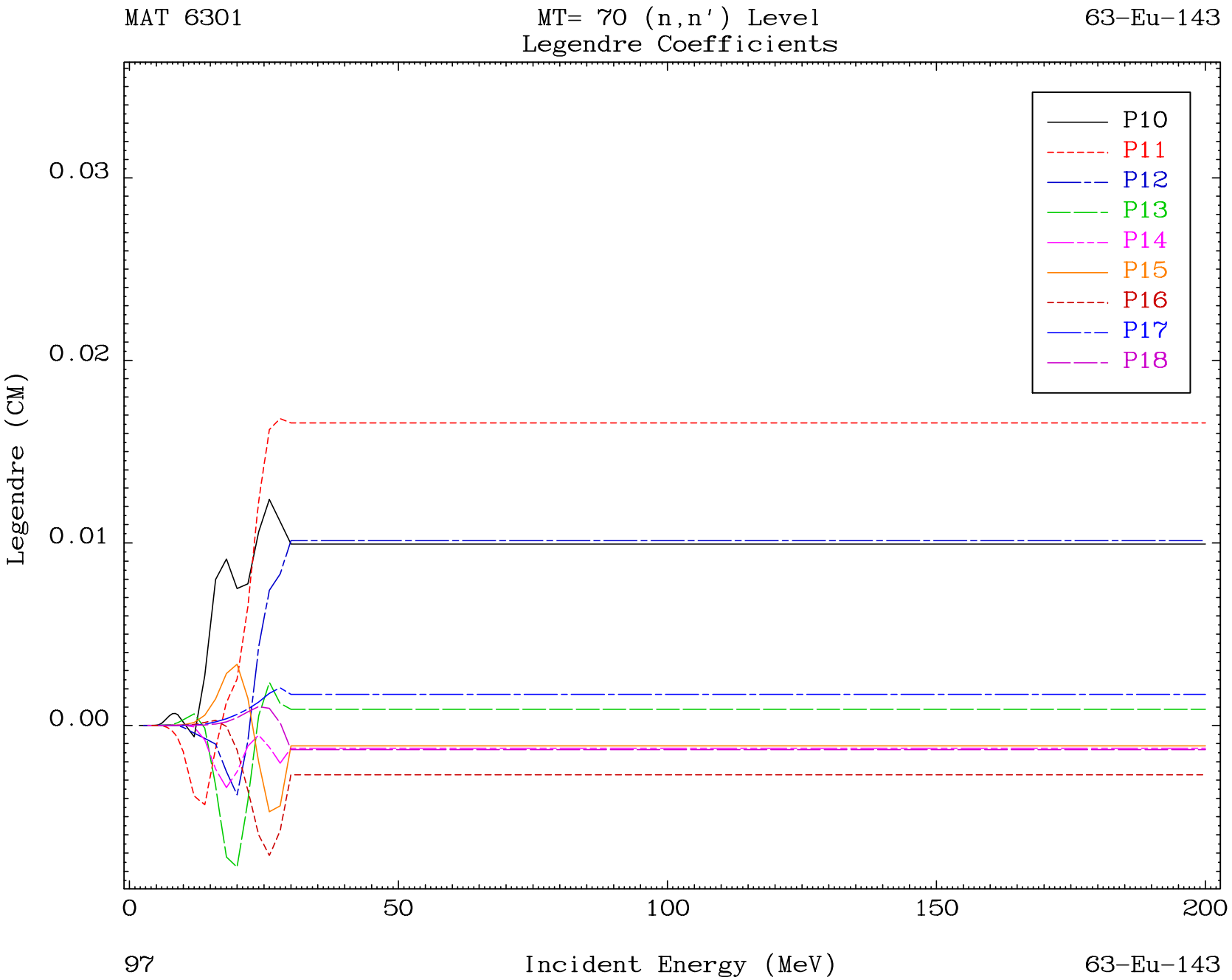

MAT 6301
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
92
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

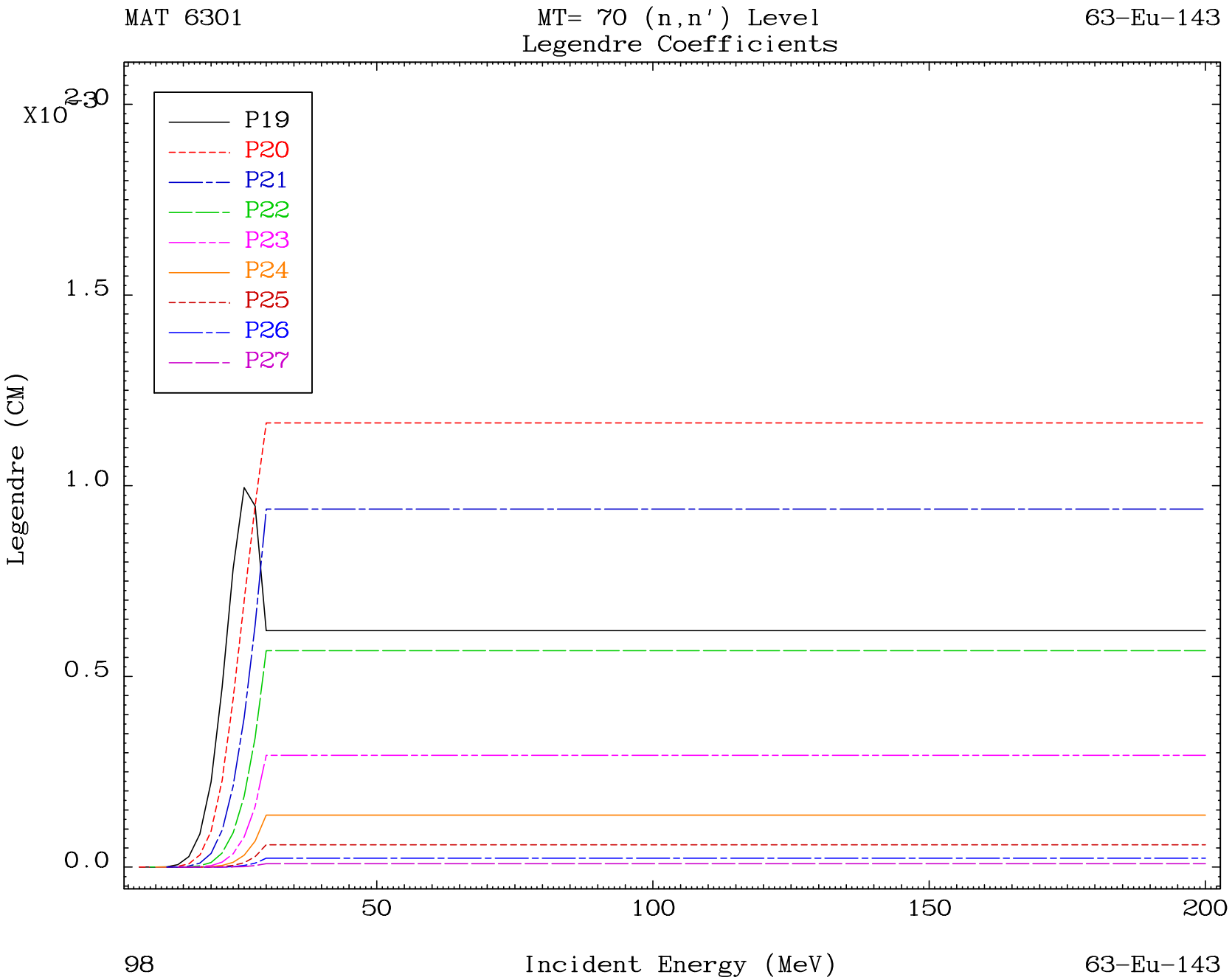

MAT 6301
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
93
Incident Energy (MeV)
63-Eu-143

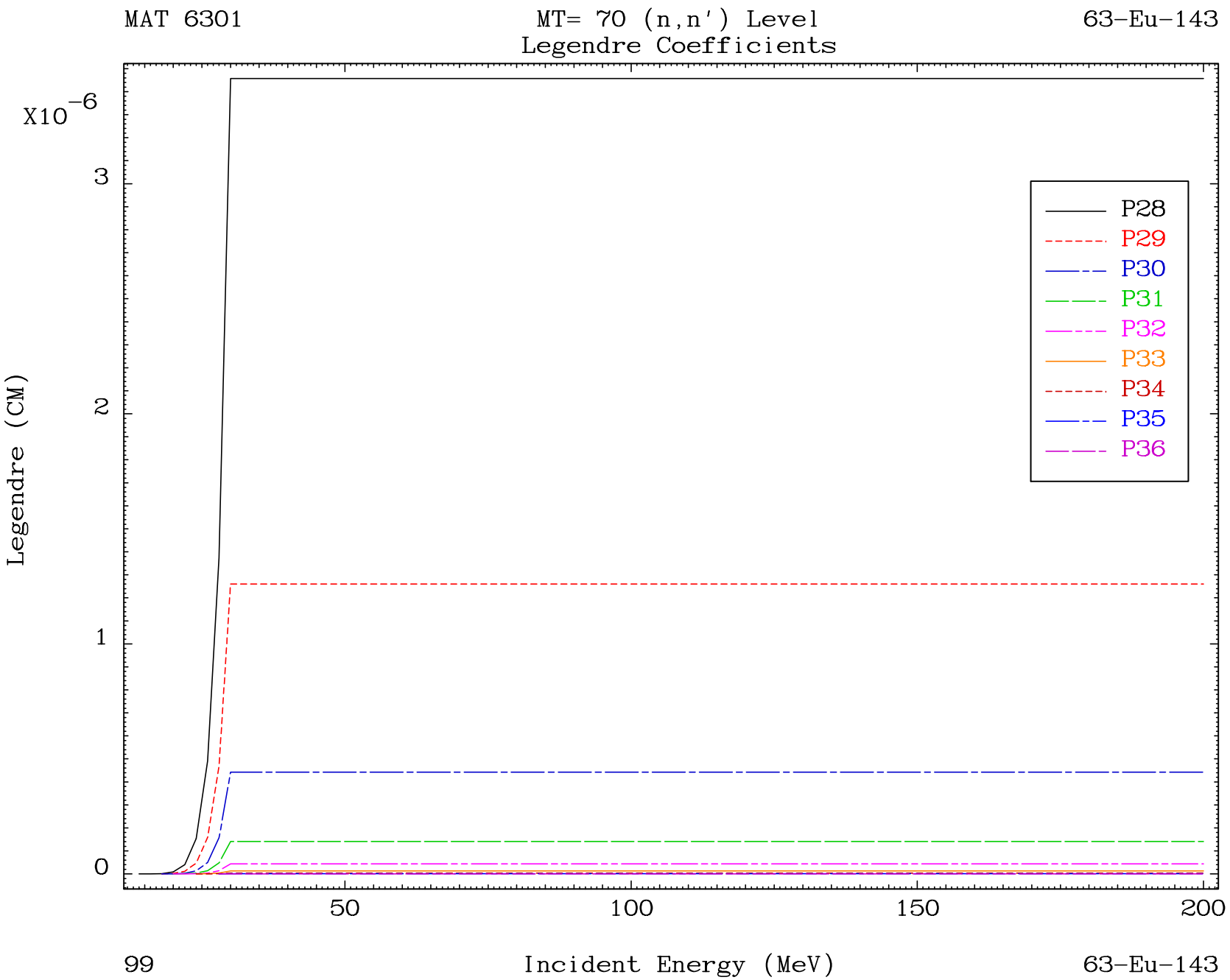

MAT 6301
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-30
P19
P20
P21
P22
P23
P24
P25
P26
P27
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
94
Incident Energy (MeV)
63-Eu-143

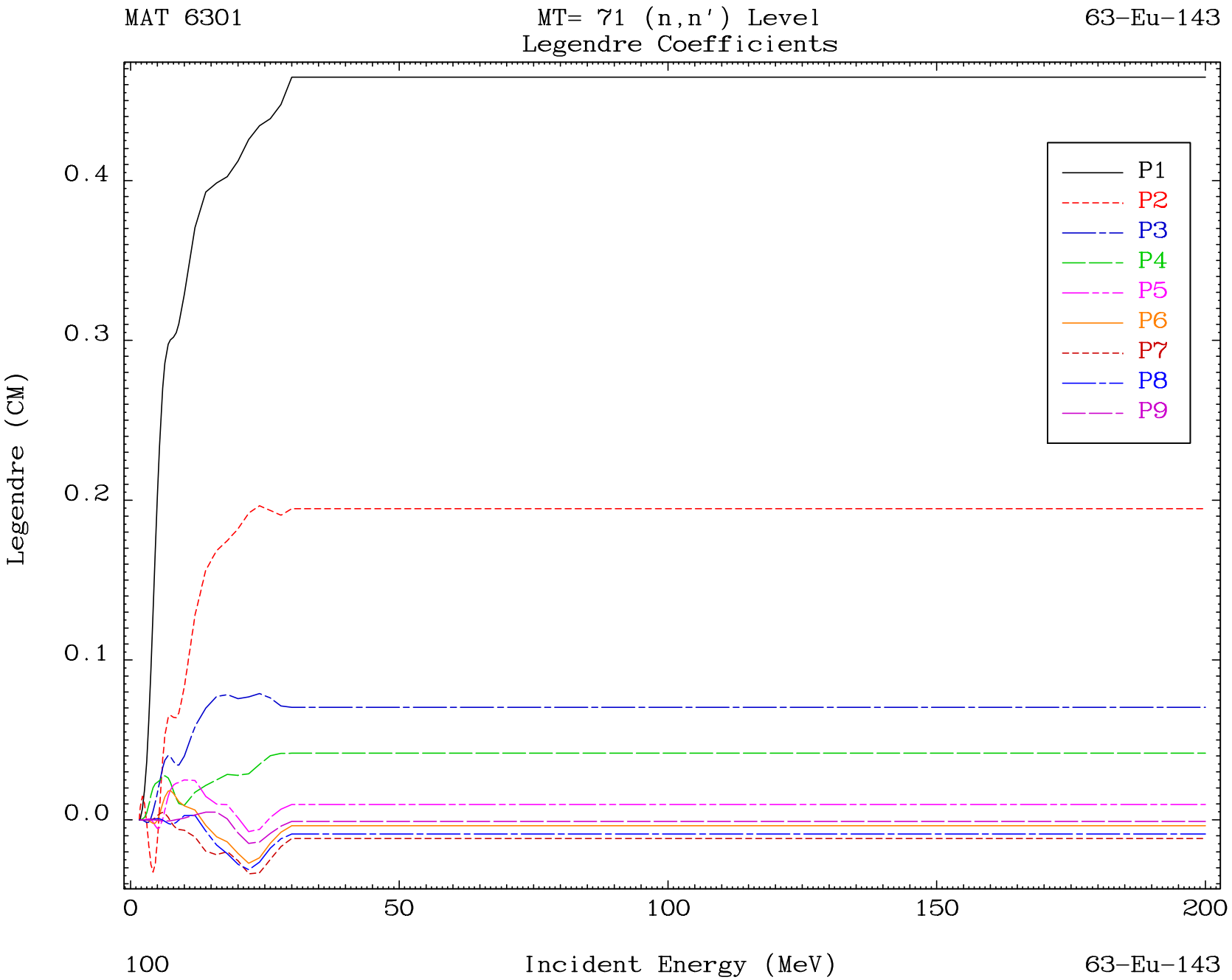

MAT 6301
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
95
Incident Energy (MeV)
63-Eu-143

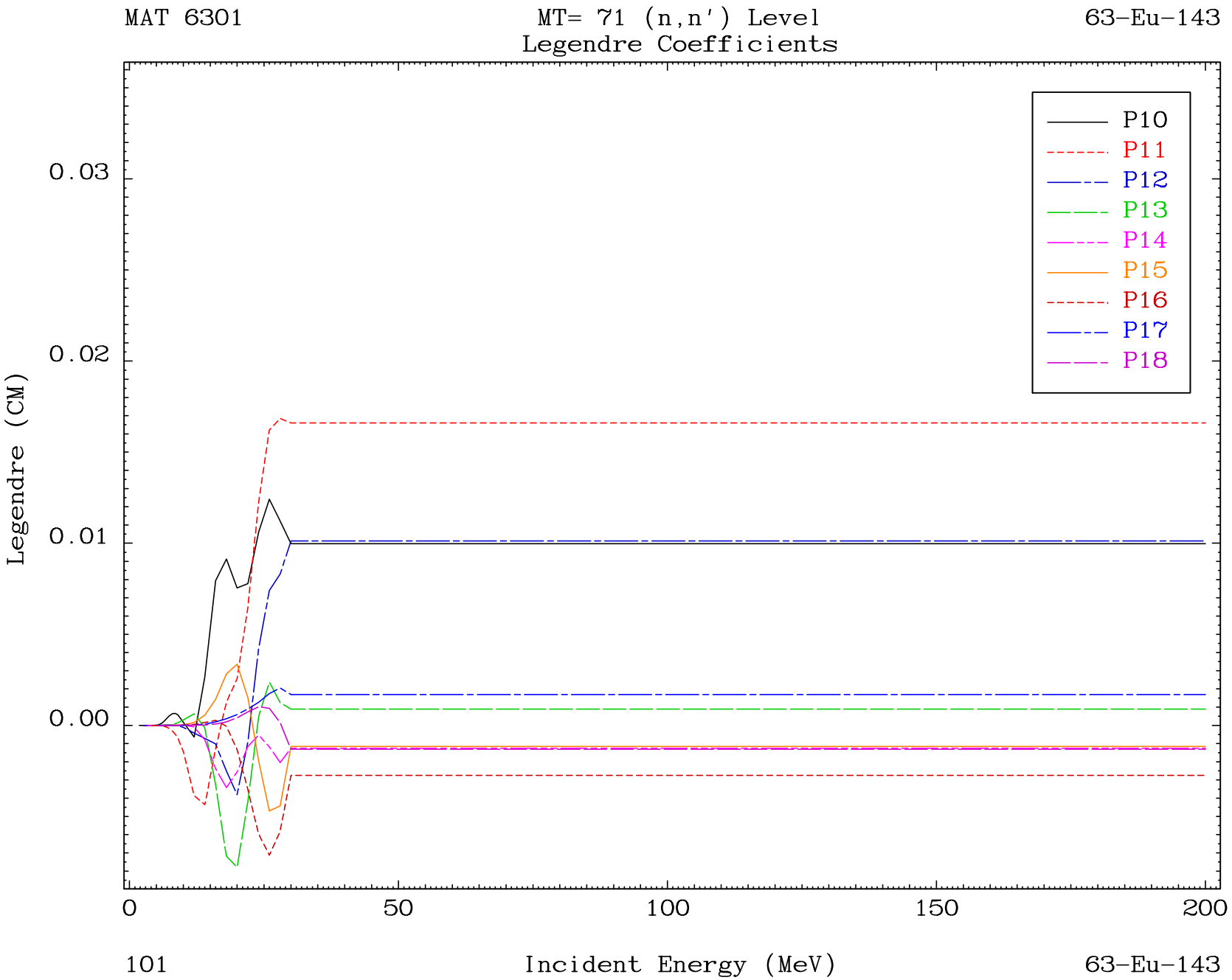

MAT 6301
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
96
Incident Energy (MeV)
63-Eu-143

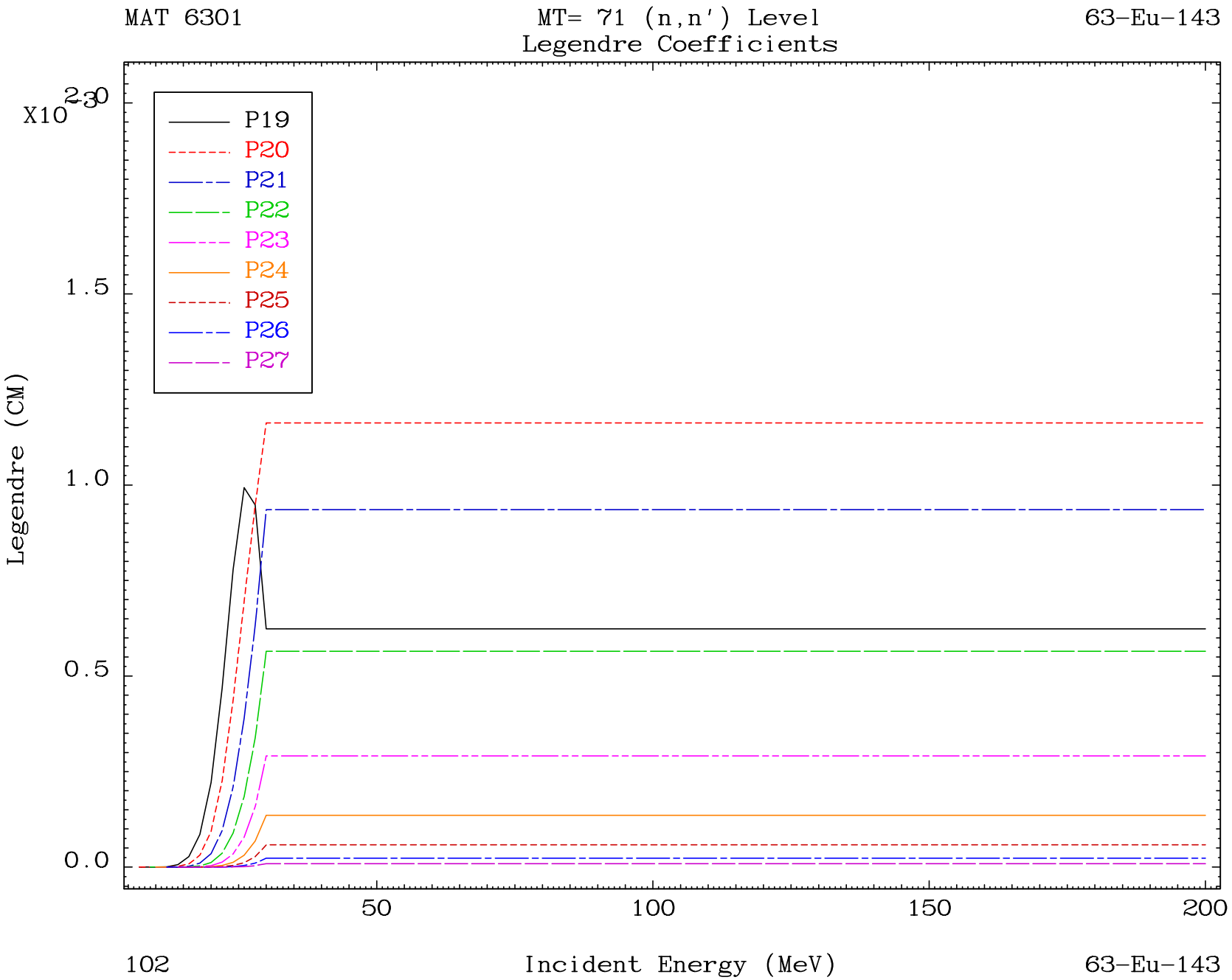

MAT 6301
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
97
Incident Energy (MeV)
63-Eu-143

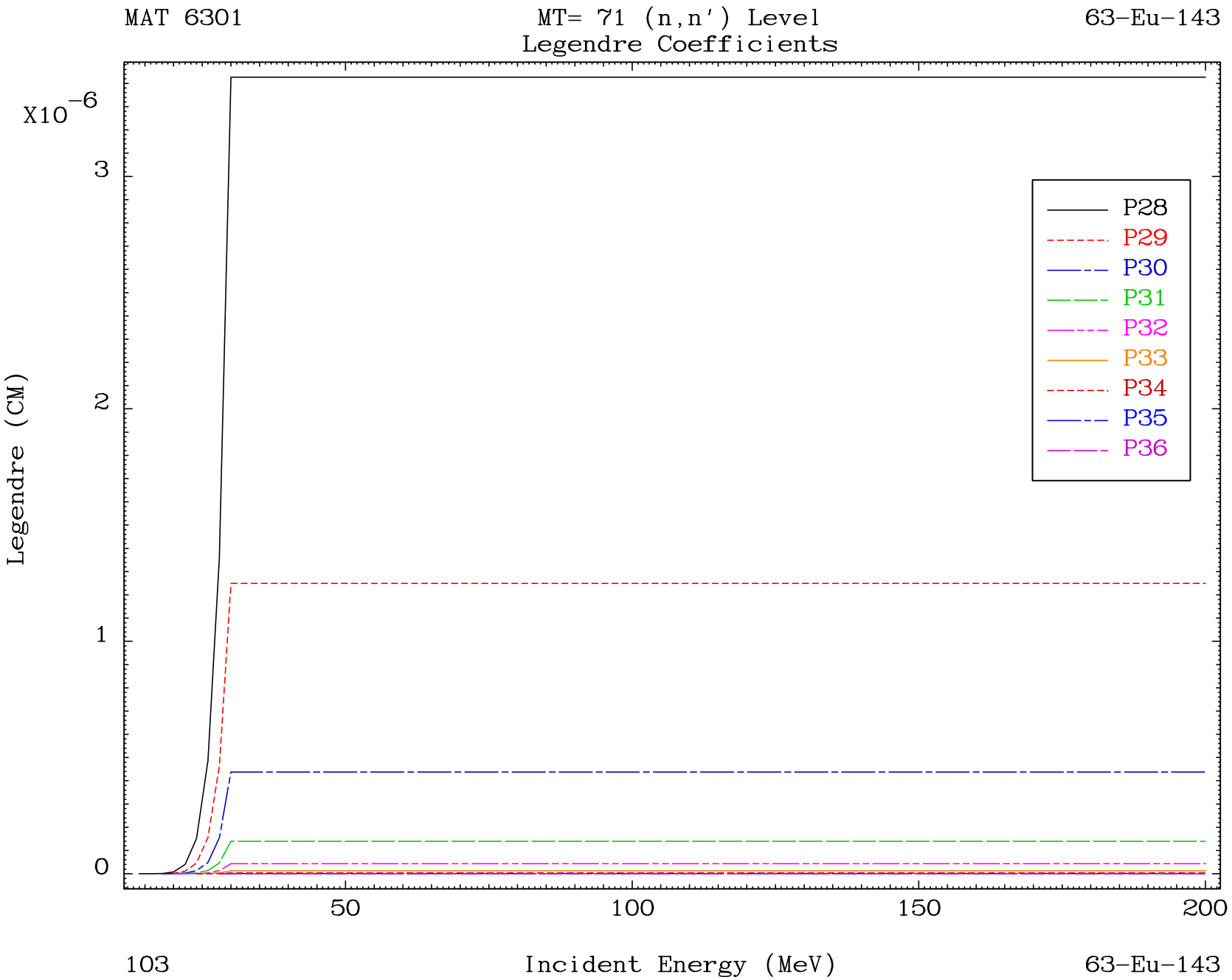

MAT 6301
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-30
P19
P20
P21
P22
P23
P24
P25
P26
P27
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
63-Eu-143

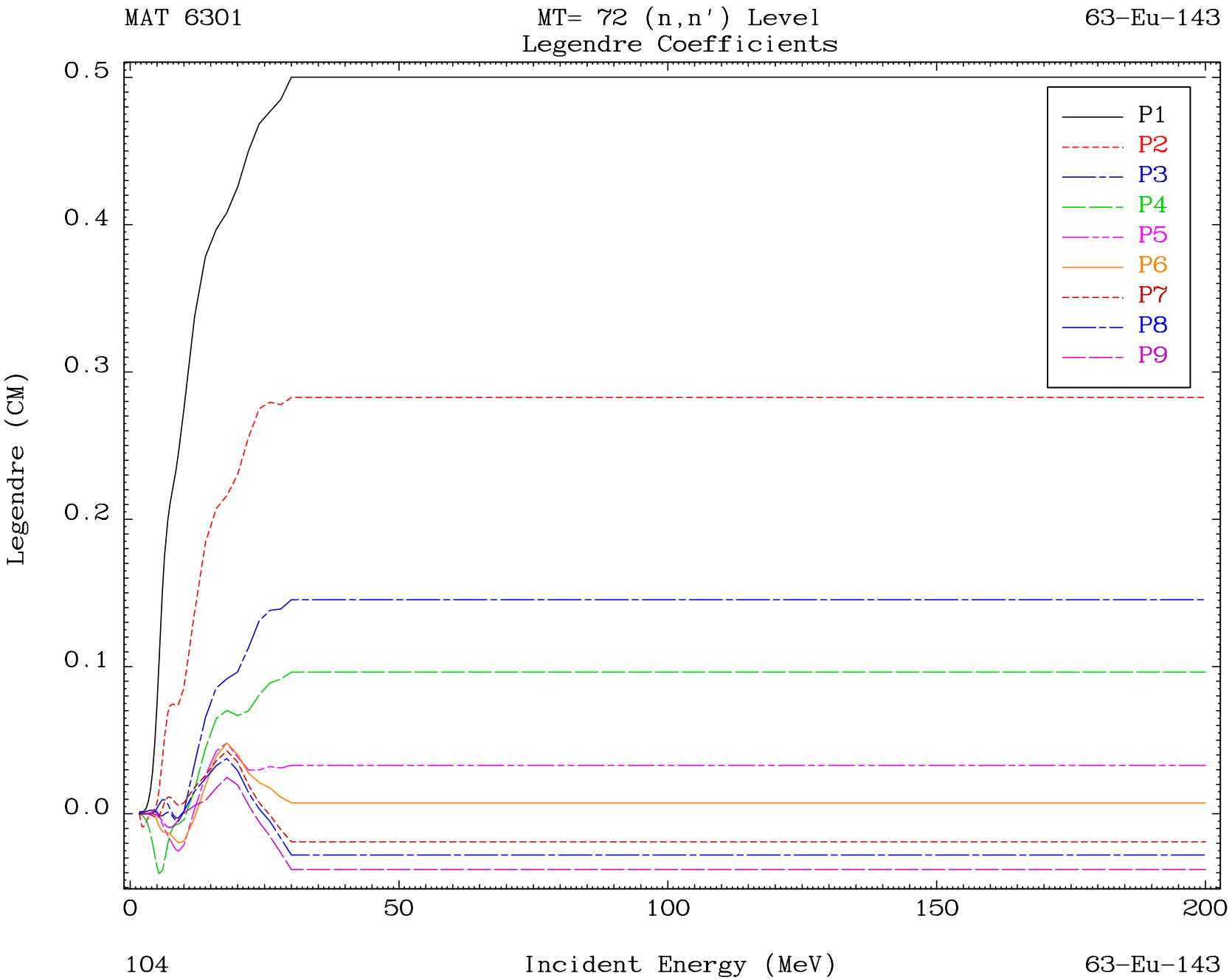

MAT 6301
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
99
Incident Energy (MeV)
63-Eu-143

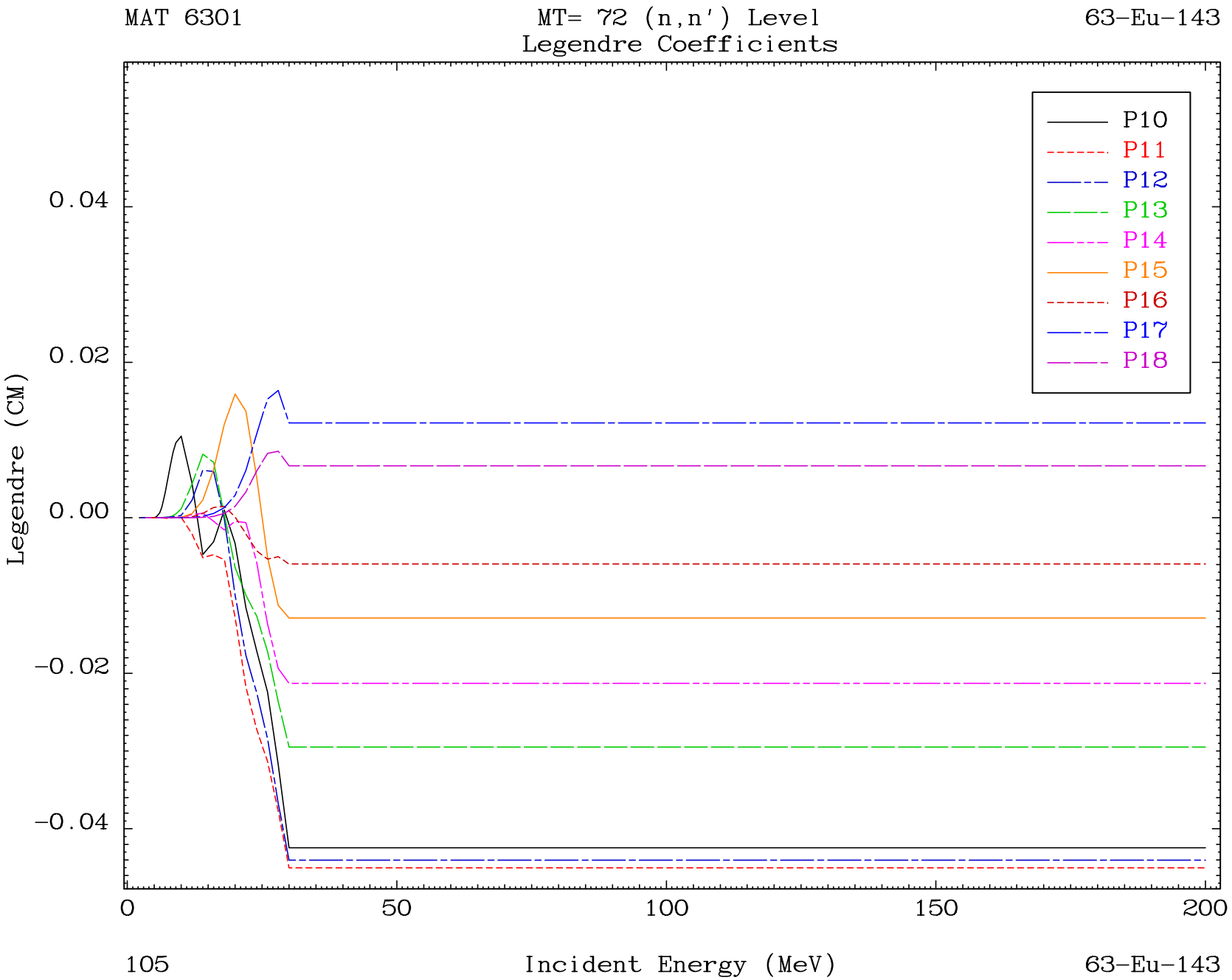

MAT 6301
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
100
Incident Energy (MeV)
63-Eu-143

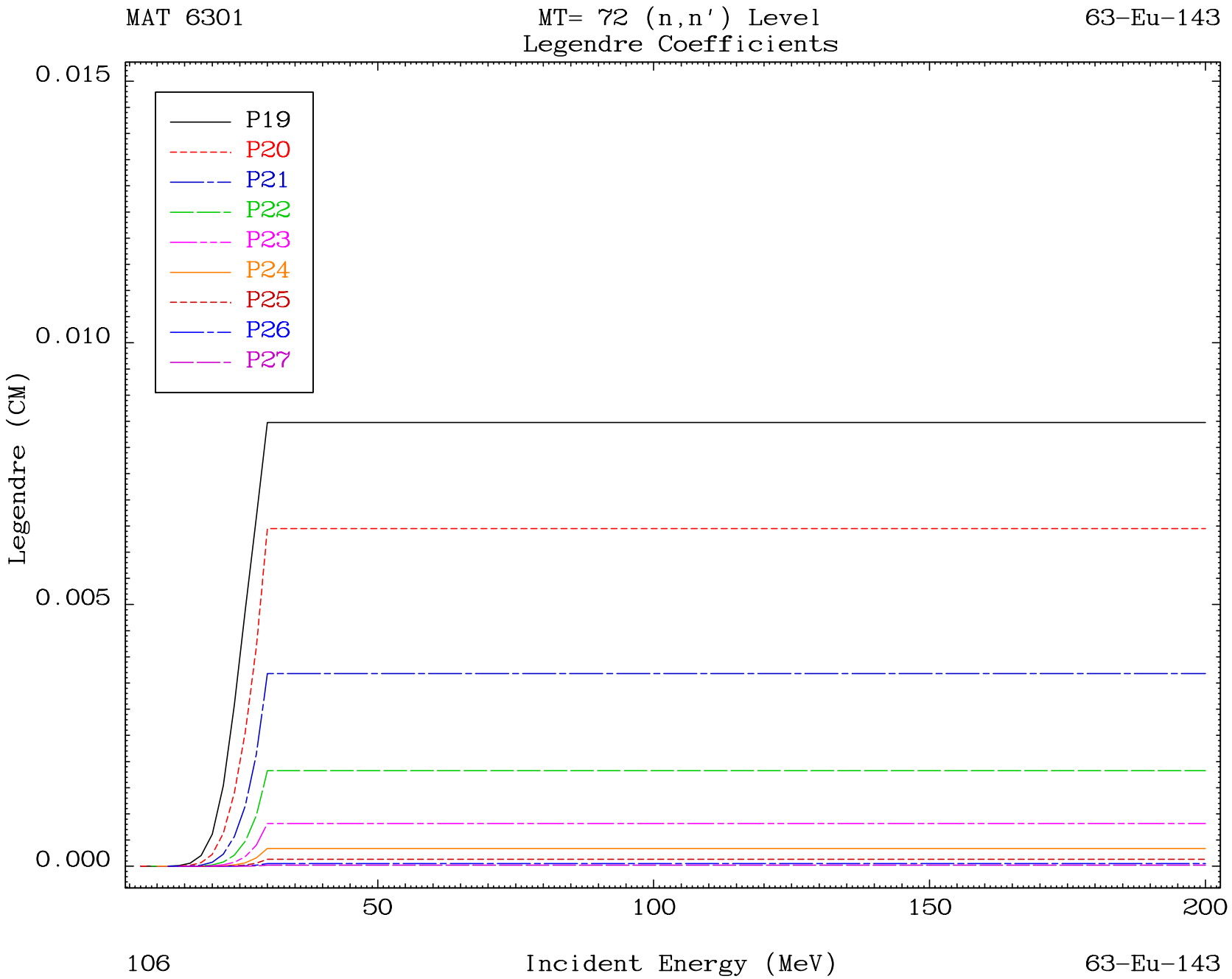

MAT 6301
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
101
Incident Energy (MeV)
63-Eu-143

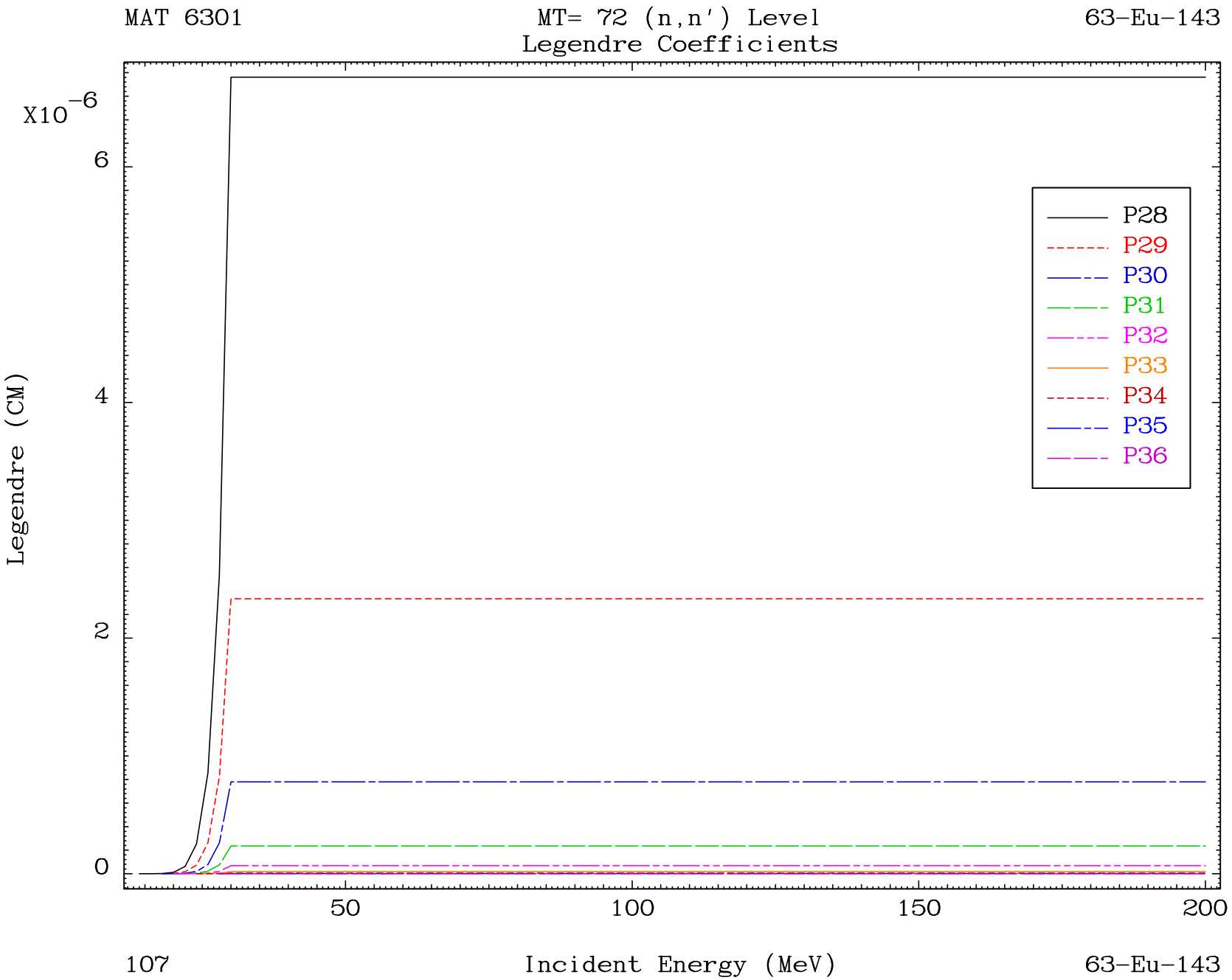

MAT 6301
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-143
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
102
Incident Energy (MeV)
63-Eu-143

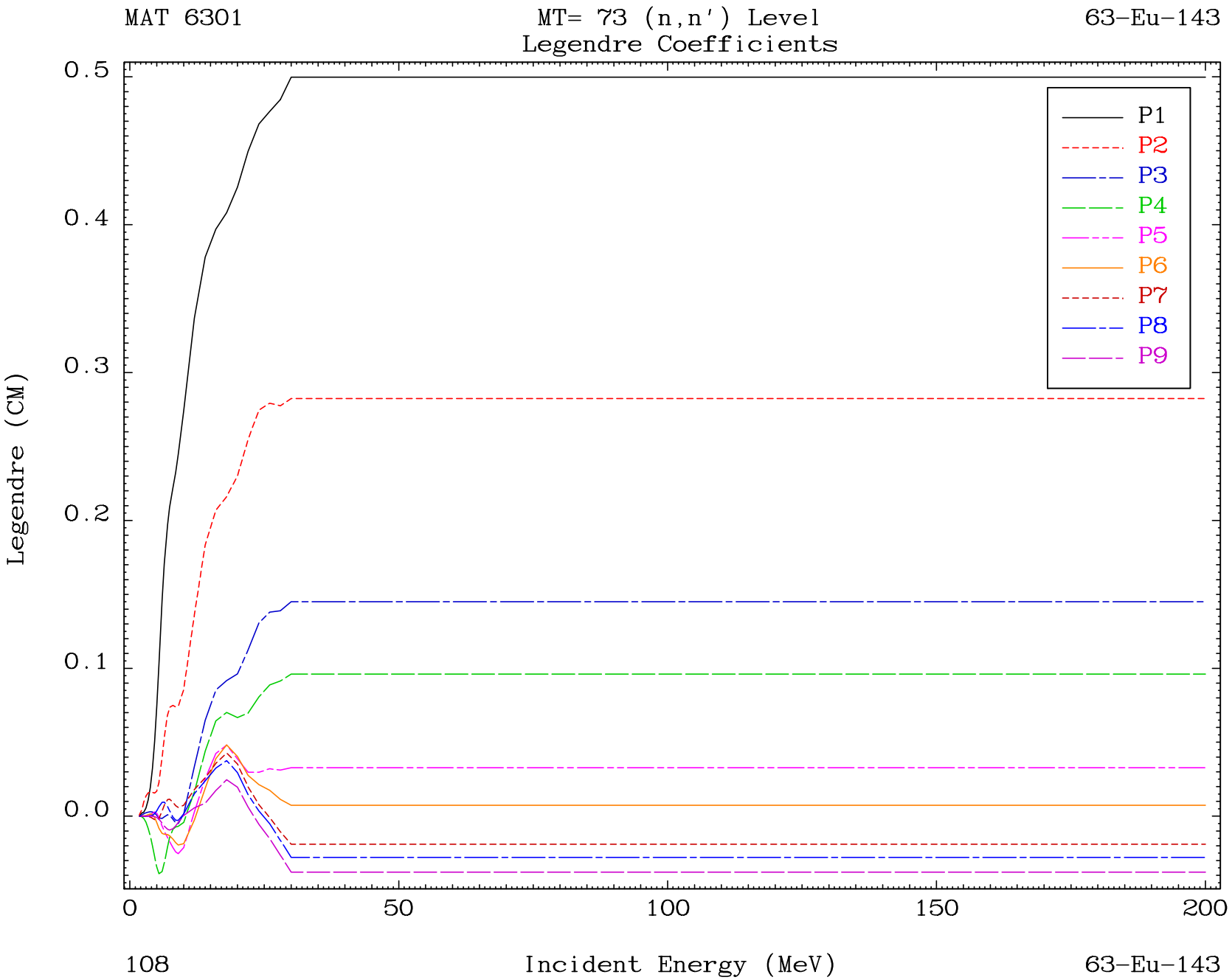

MAT 6301
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
103
Incident Energy (MeV)
63-Eu-143

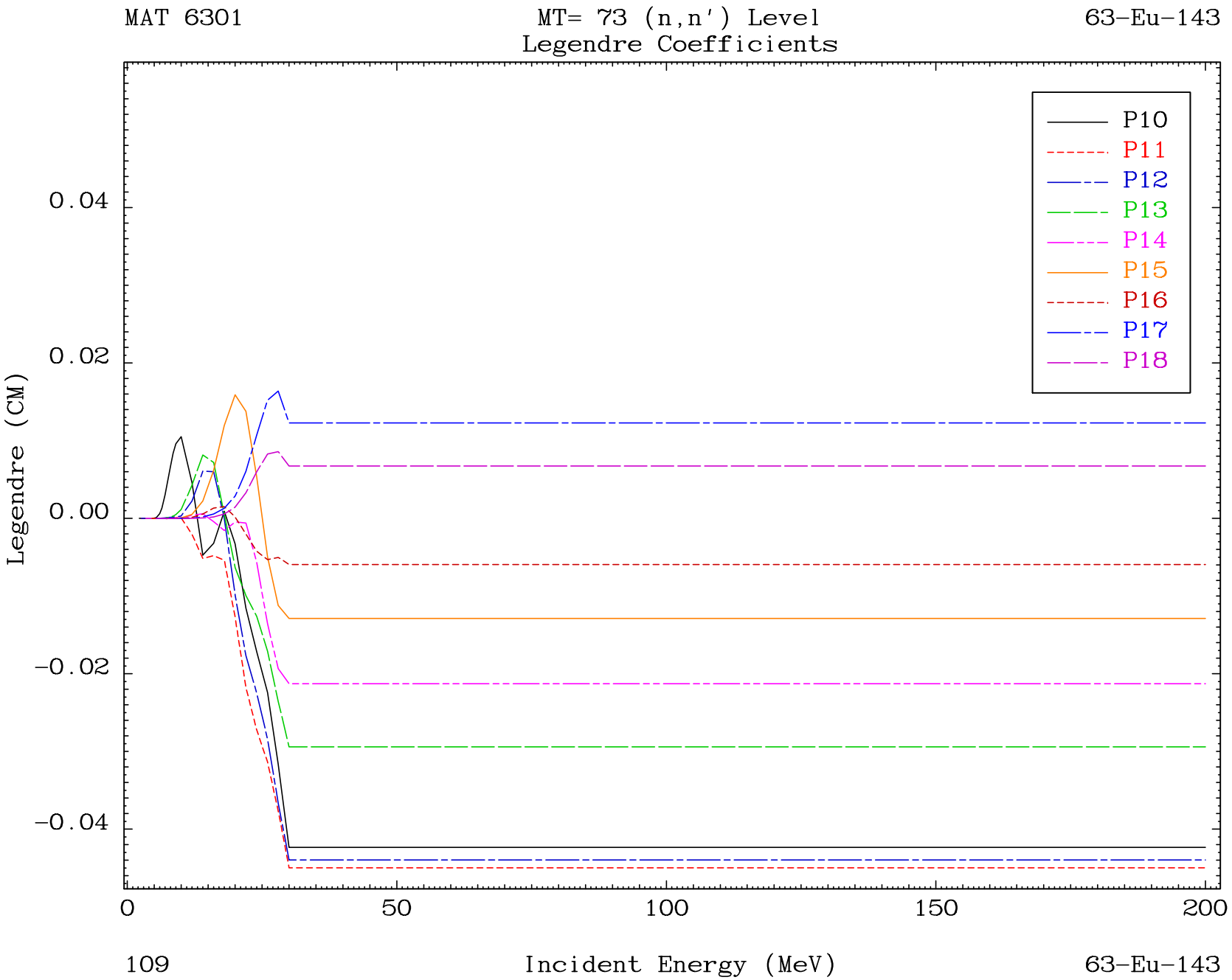

MAT 6301
MT= 72 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
104
Incident Energy (MeV)
63-Eu-143

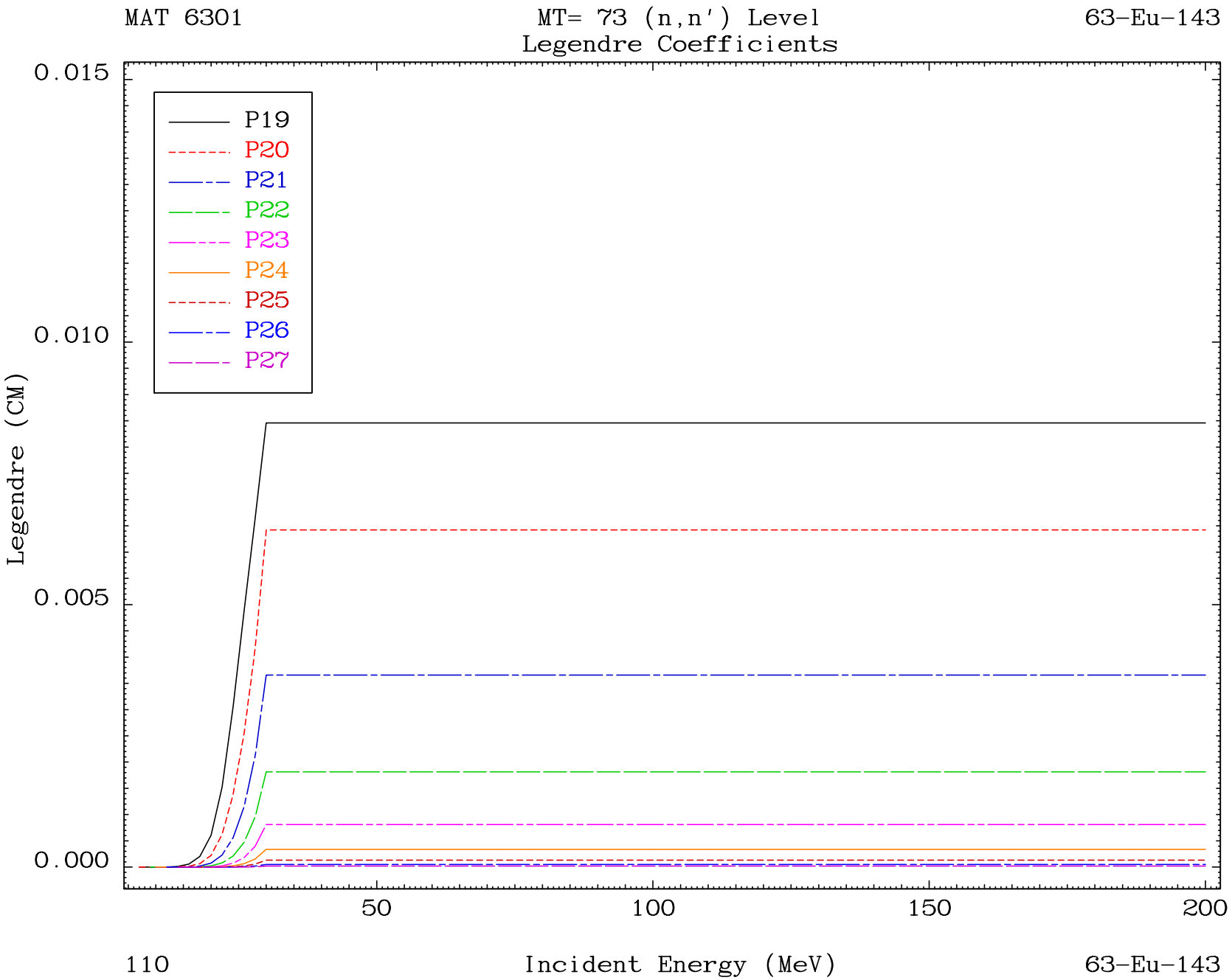

MAT 6301
MT= 72 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
105
Incident Energy (MeV)
63-Eu-143

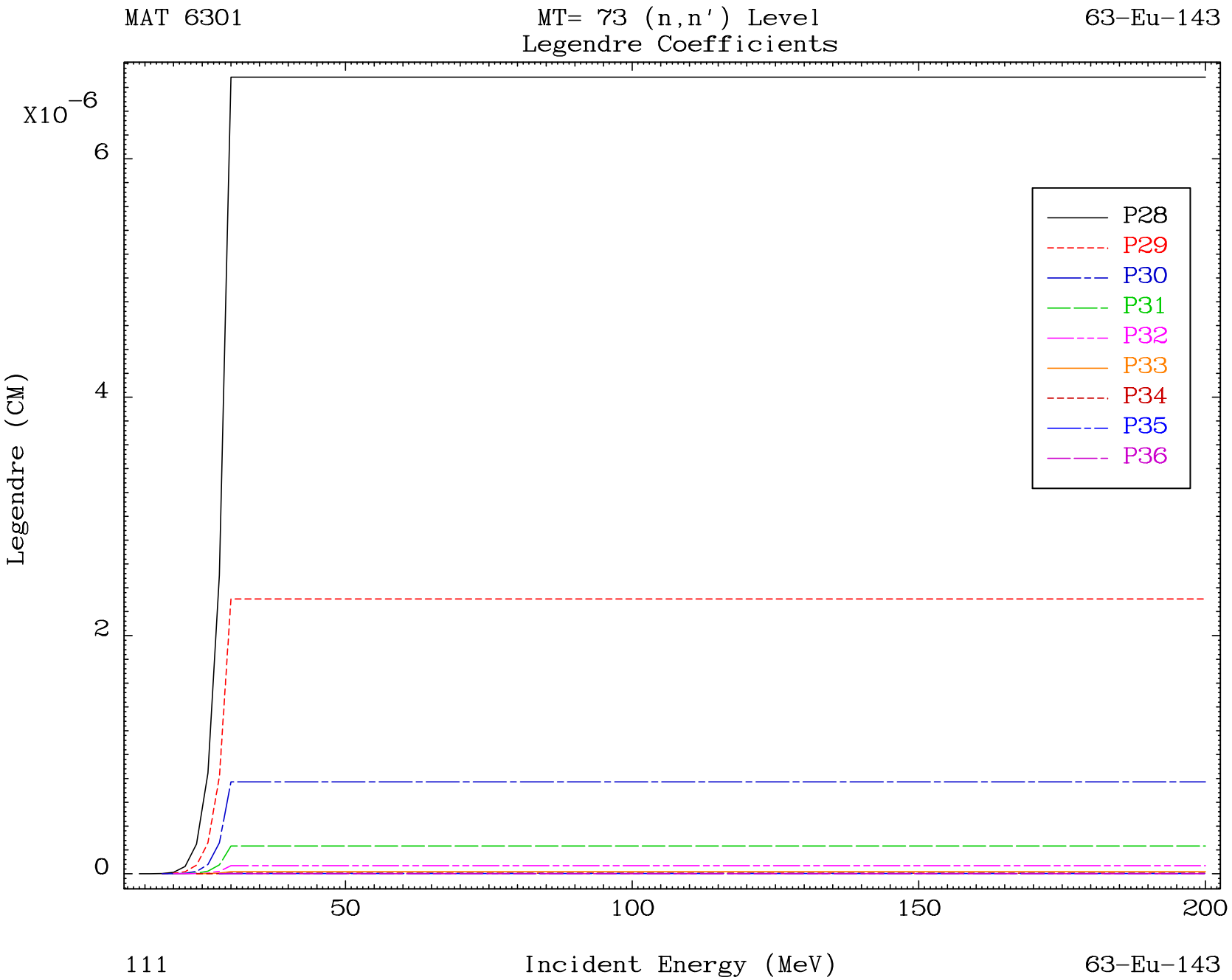

MAT 6301
MT= 72 (n,n') Level
Legendre Coefficients
63-Eu-143
0.015
0.010
0.005
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
106
Incident Energy (MeV)
63-Eu-143

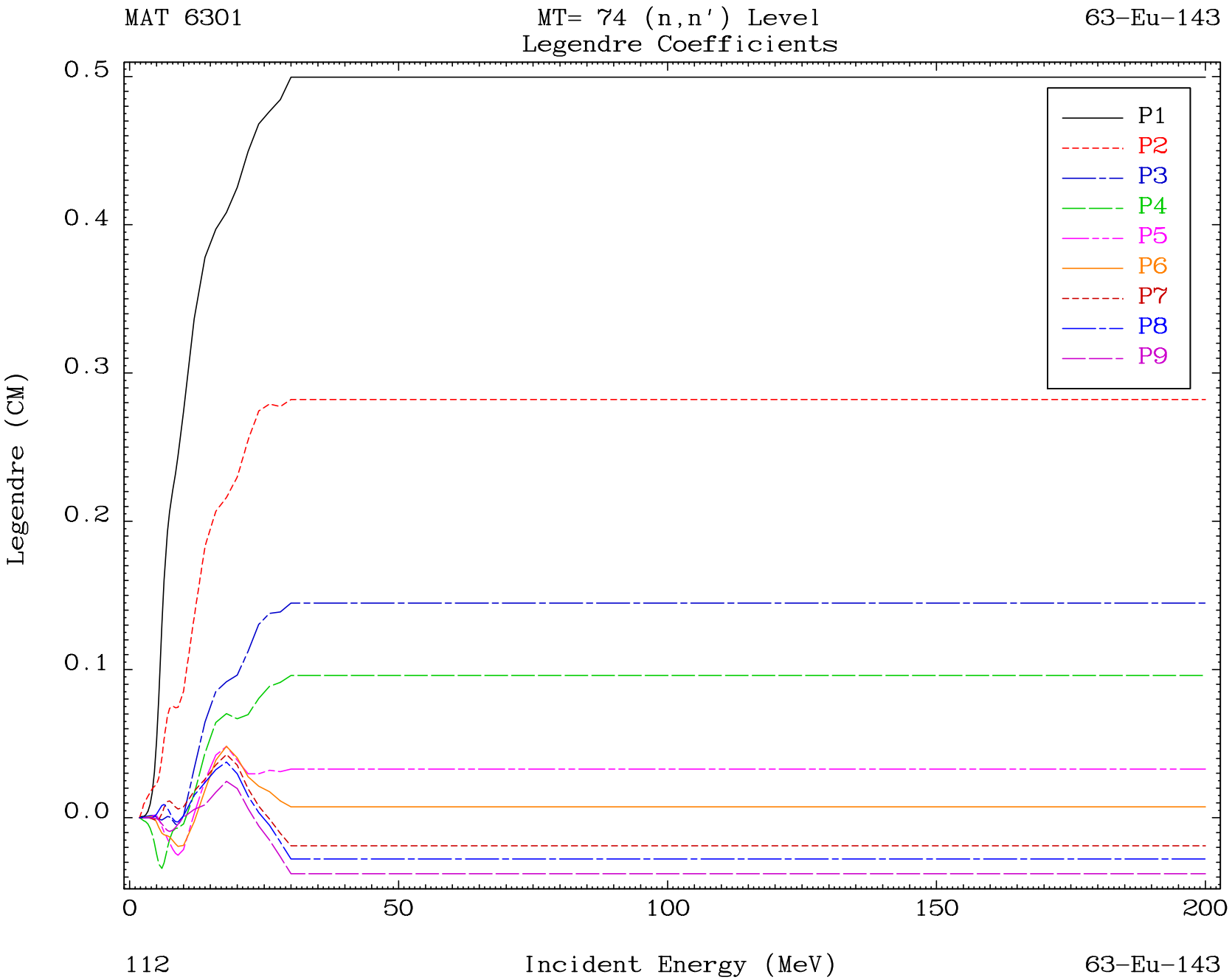

MAT 6301
MT= 72 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
107
Incident Energy (MeV)
63-Eu-143

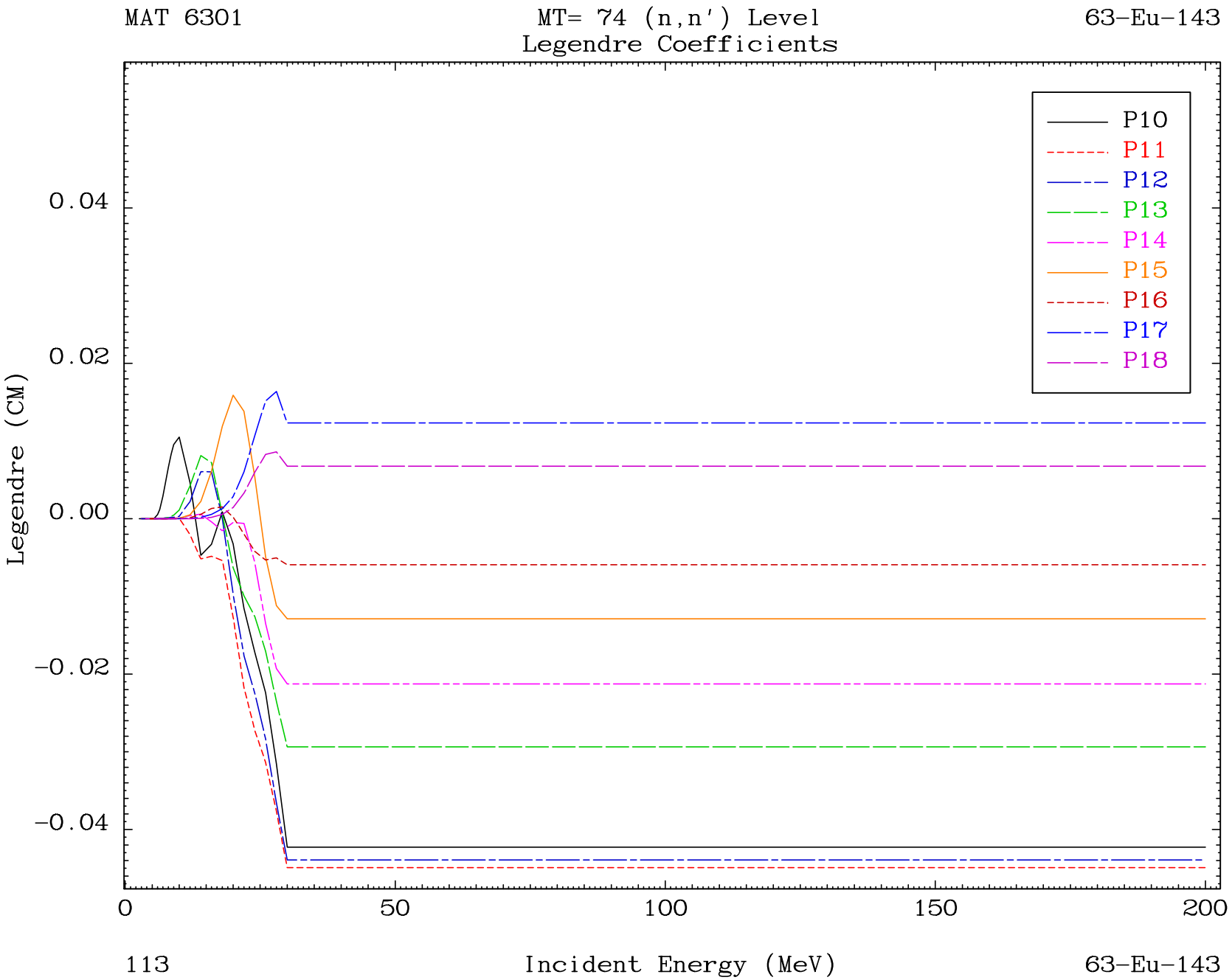

MAT 6301
MT= 73 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
108
Incident Energy (MeV)
63-Eu-143

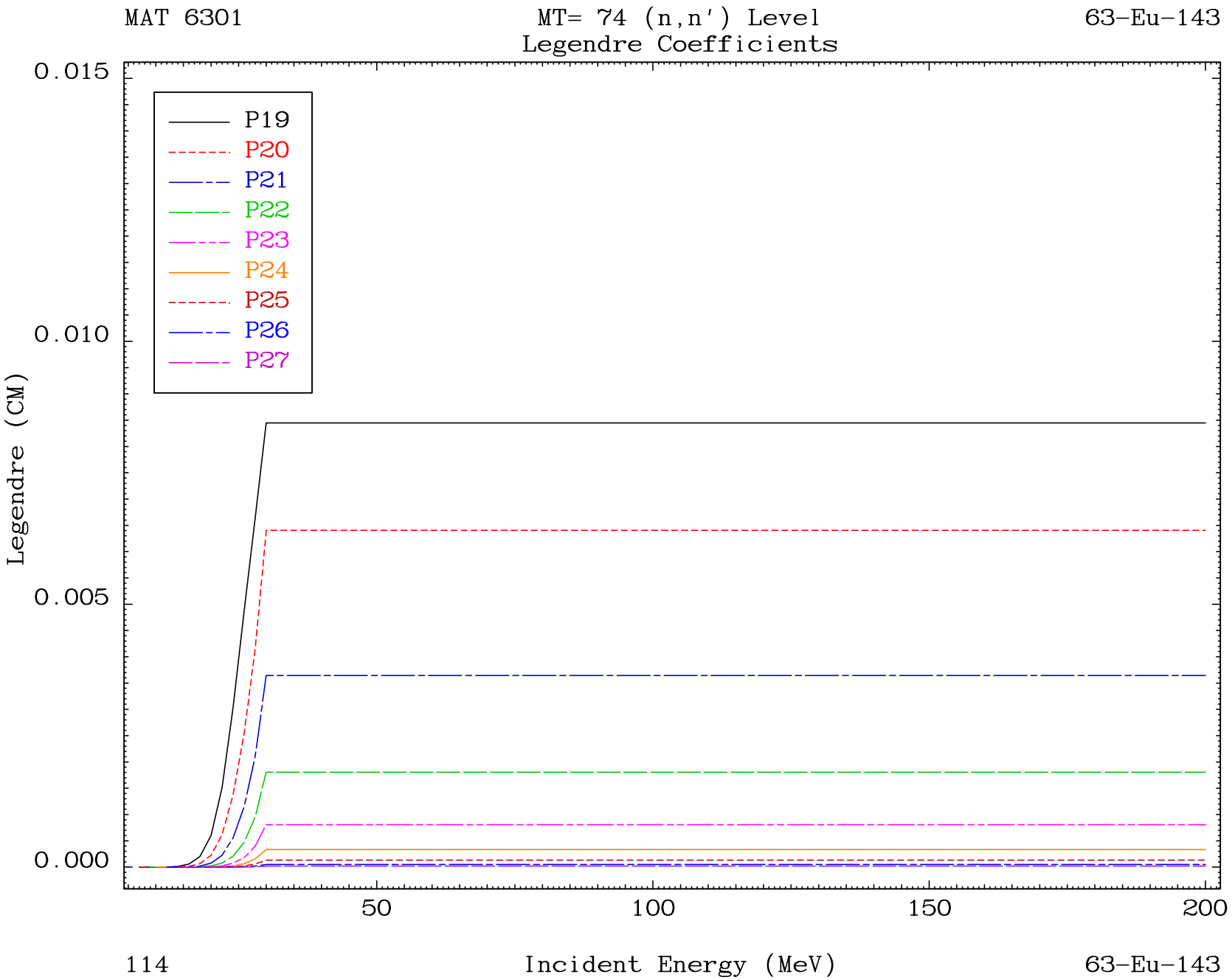

MAT 6301
MT= 73 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
109
Incident Energy (MeV)
63-Eu-143

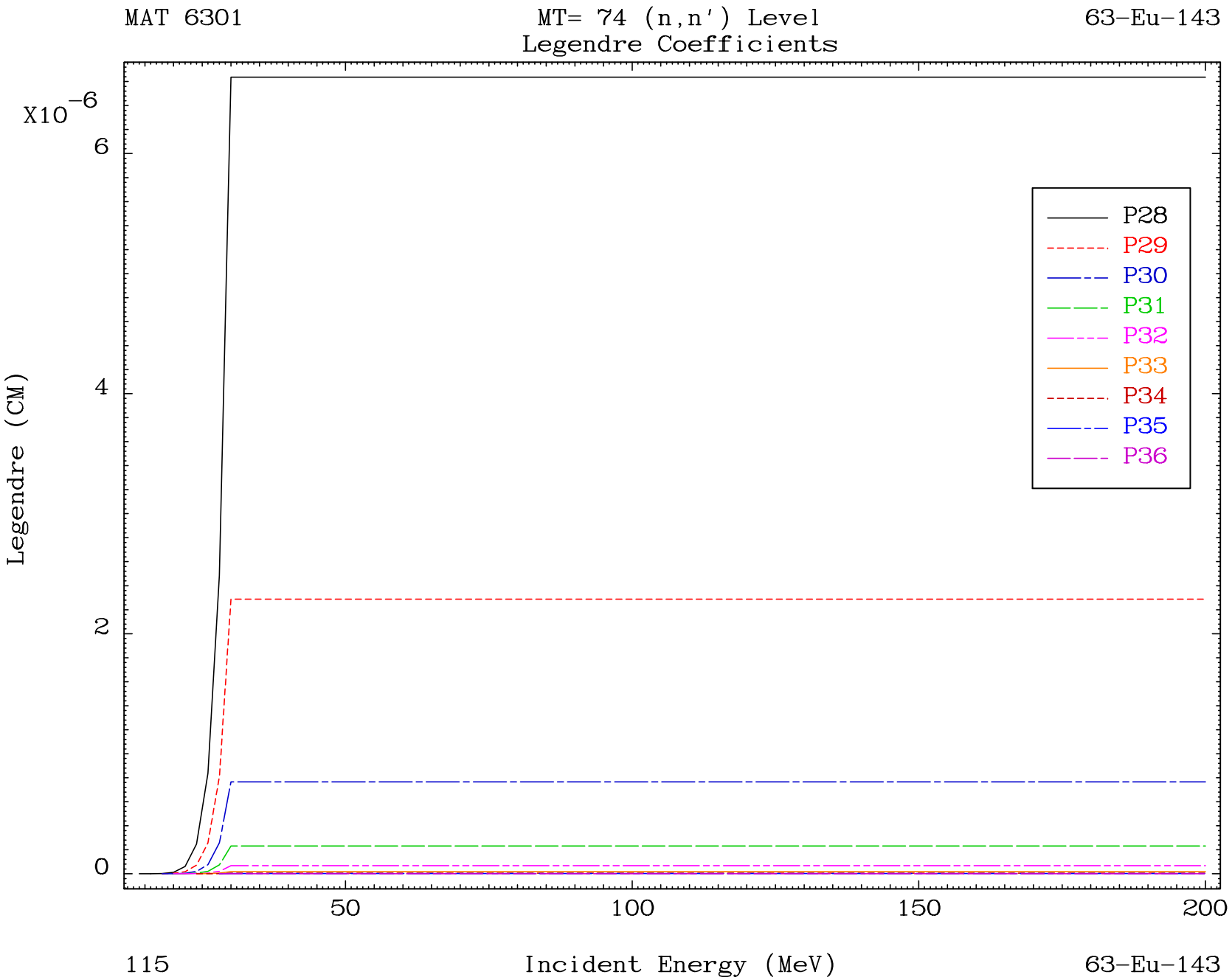

MAT 6301
MT= 73 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
110
Incident Energy (MeV)
63-Eu-143

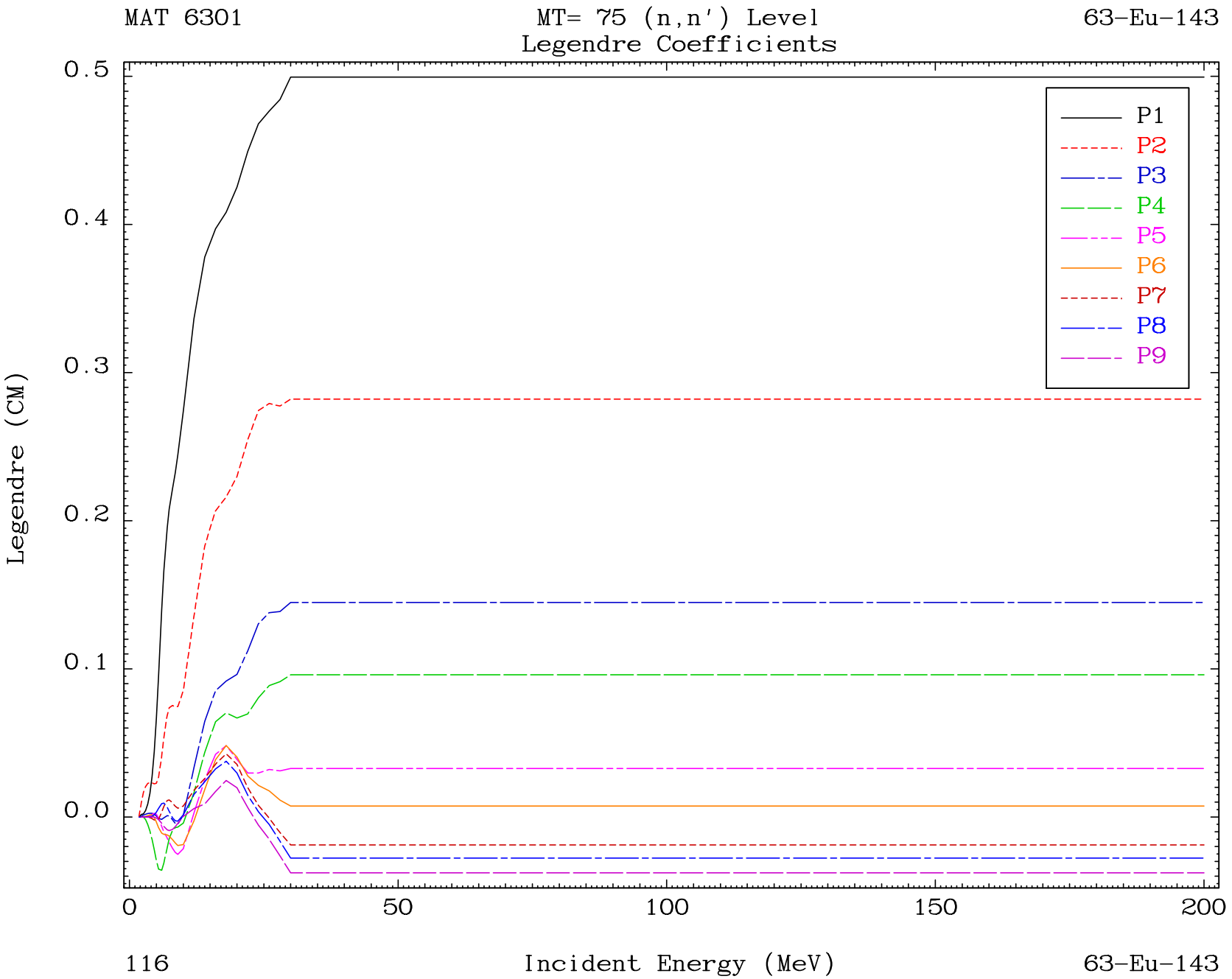

MAT 6301
MT= 73 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
111
Incident Energy (MeV)
63-Eu-143

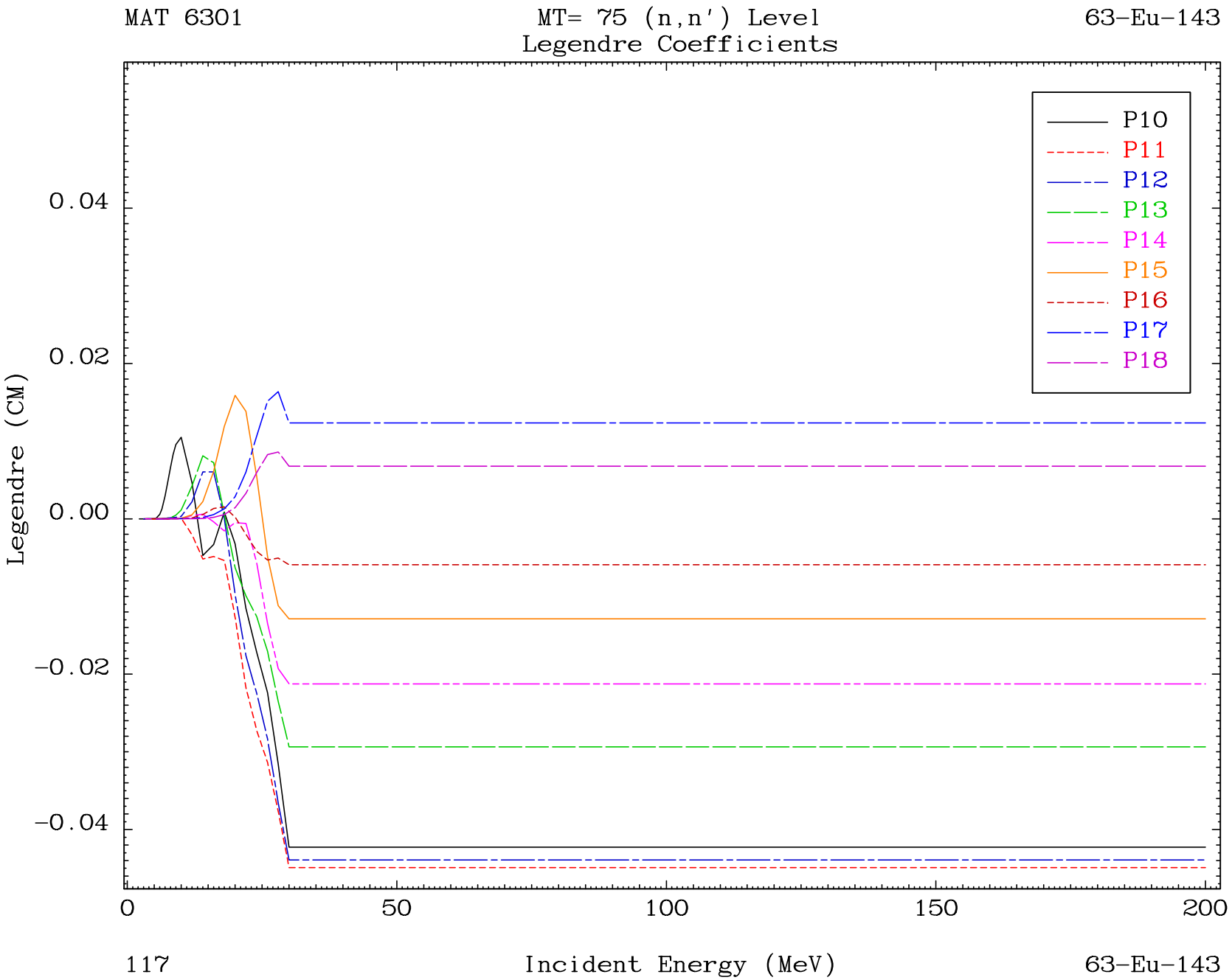

MAT 6301
MT= 74 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
112
Incident Energy (MeV)
63-Eu-143

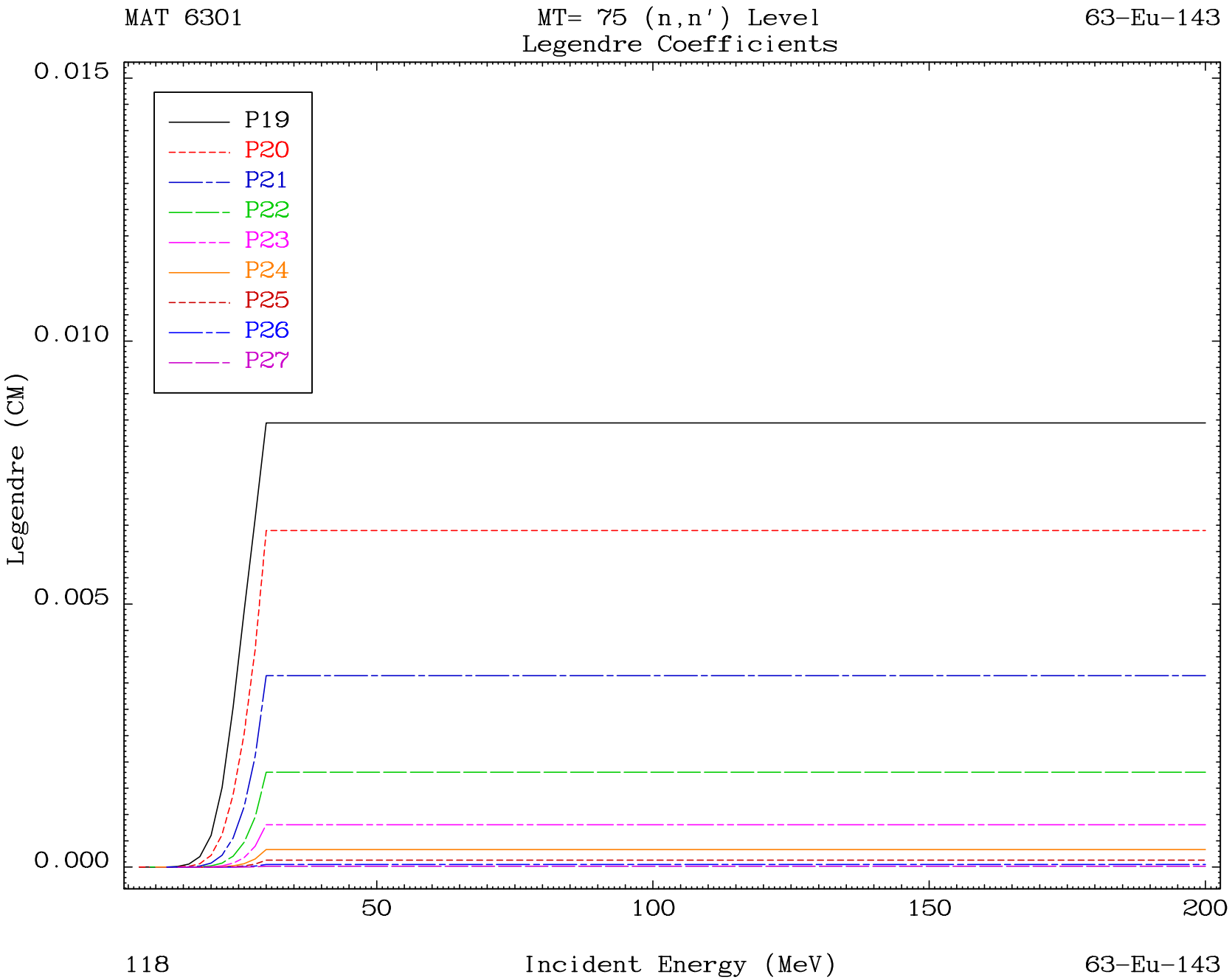

MAT 6301
MT= 74 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
113
Incident Energy (MeV)
63-Eu-143

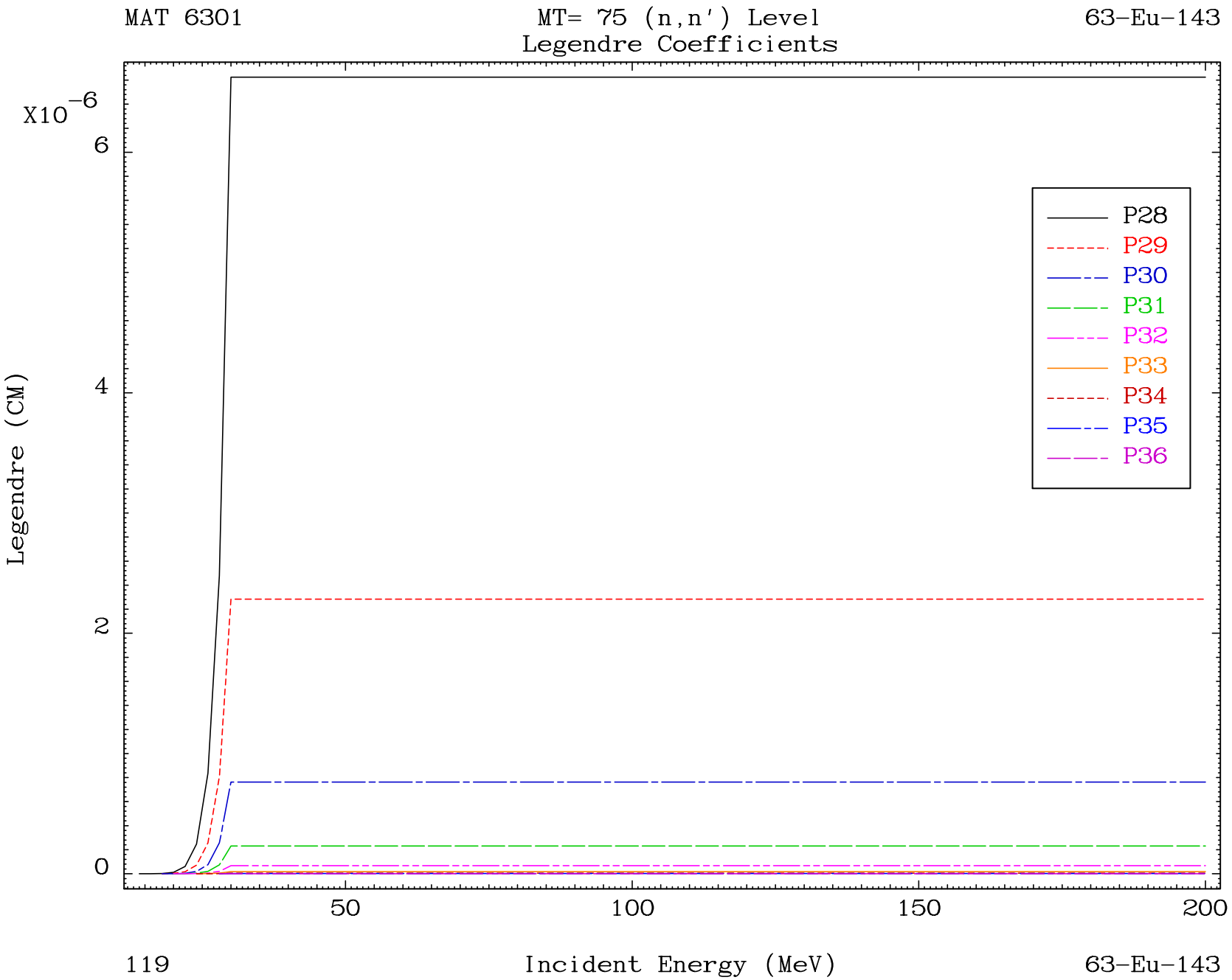

MAT 6301
MT= 74 (n,n') Level
Legendre Coefficients
63-Eu-143
0.015
0.010
0.005
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
114
Incident Energy (MeV)
63-Eu-143

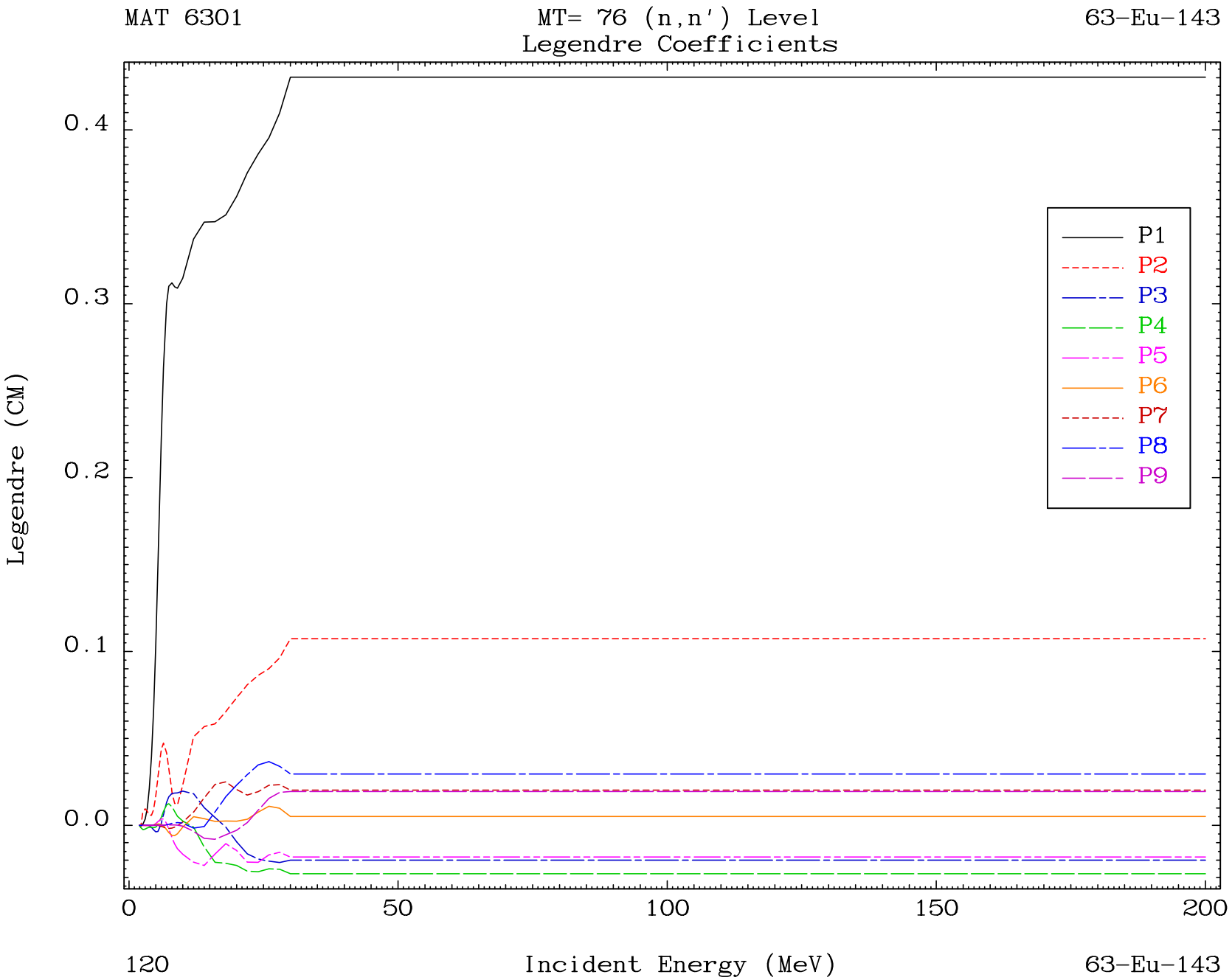

MAT 6301
MT= 74 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
115
Incident Energy (MeV)
63-Eu-143

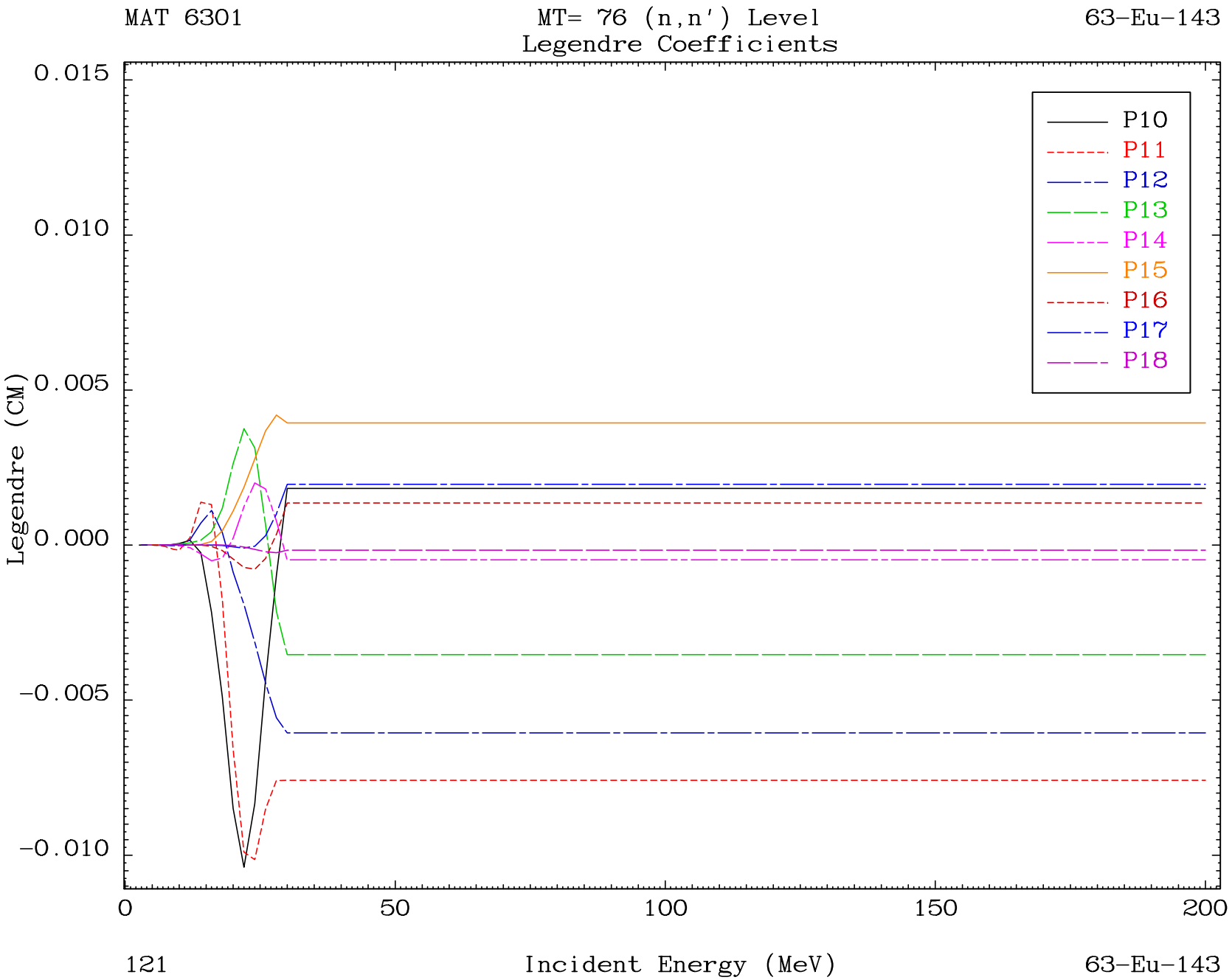

MAT 6301
MT= 75 (n,n') Level
Legendre Coefficients
63-Eu-143
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
116
Incident Energy (MeV)
63-Eu-143

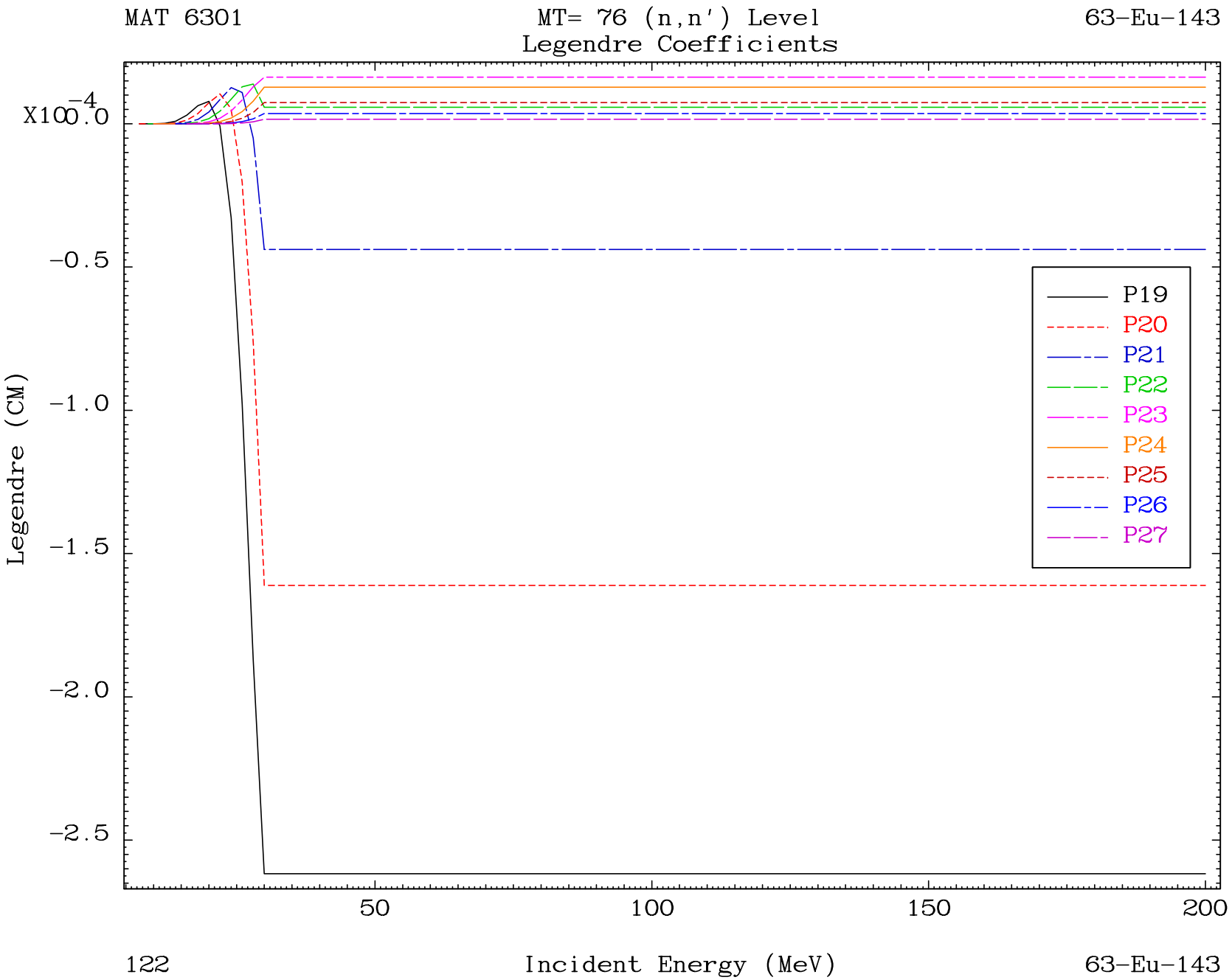

MAT 6301
MT= 75 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
117
Incident Energy (MeV)
63-Eu-143

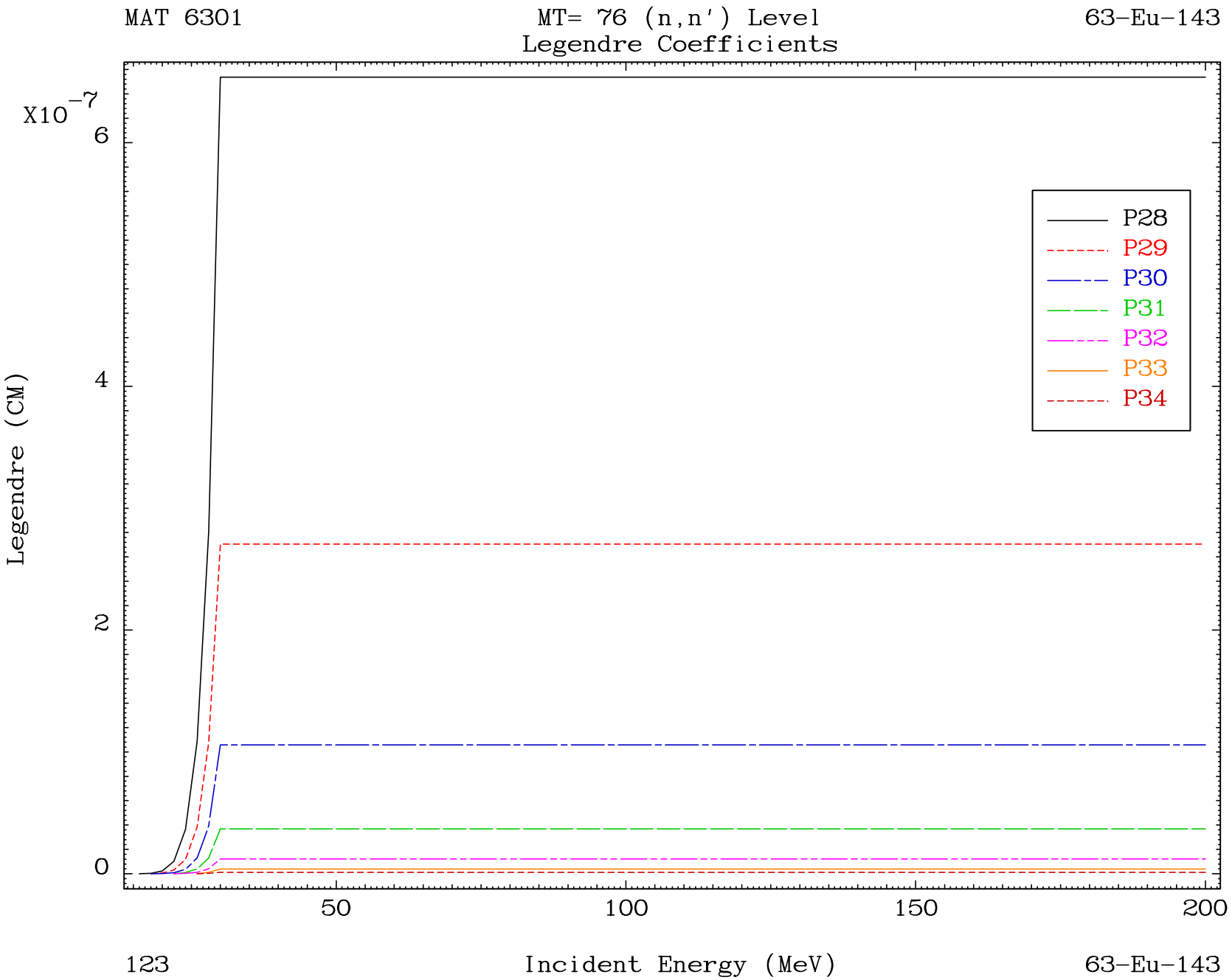

MAT 6301
MT= 75 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
118
Incident Energy (MeV)
63-Eu-143

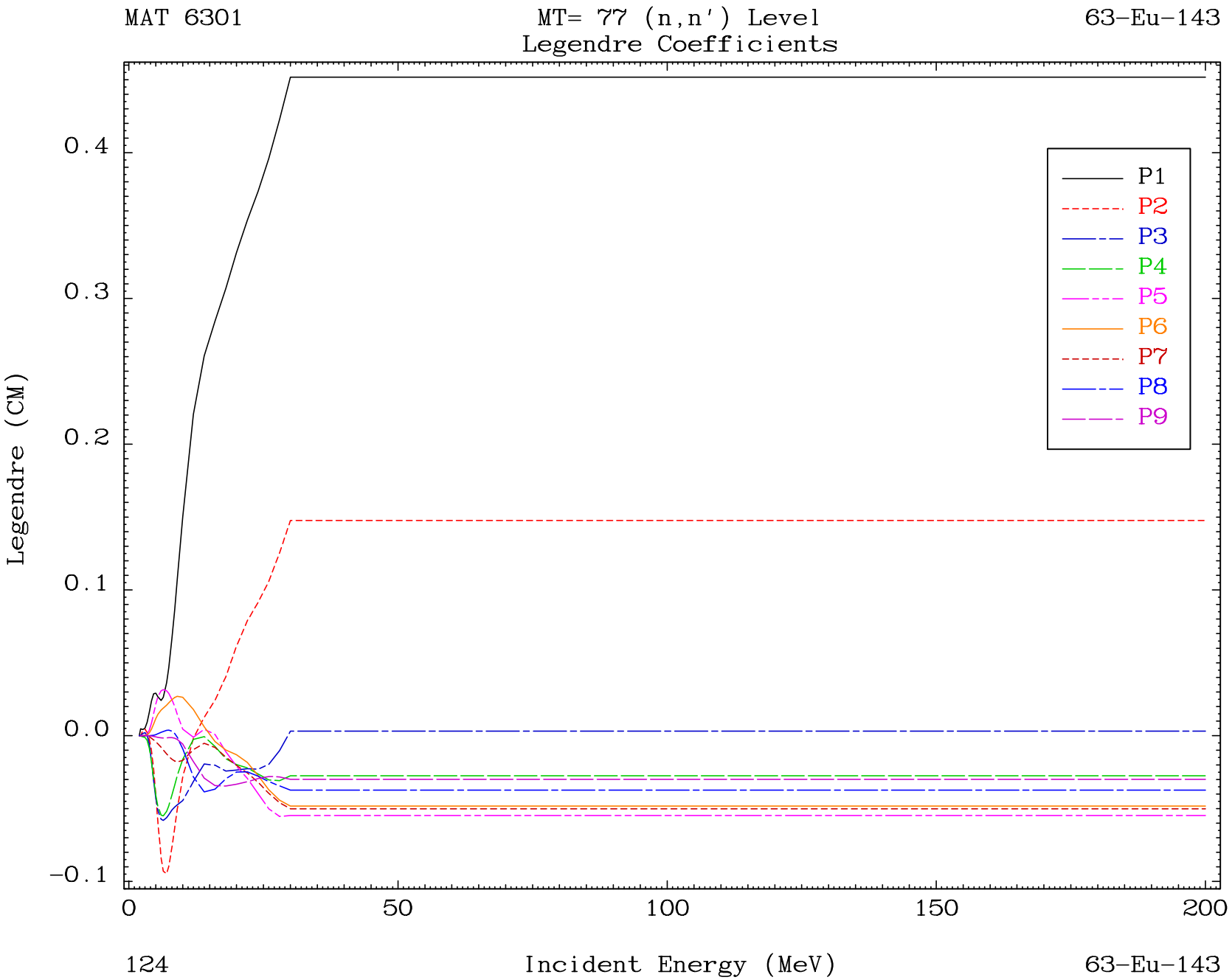

MAT 6301
MT= 75 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-6
6
4
2
0
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
119
Incident Energy (MeV)
63-Eu-143

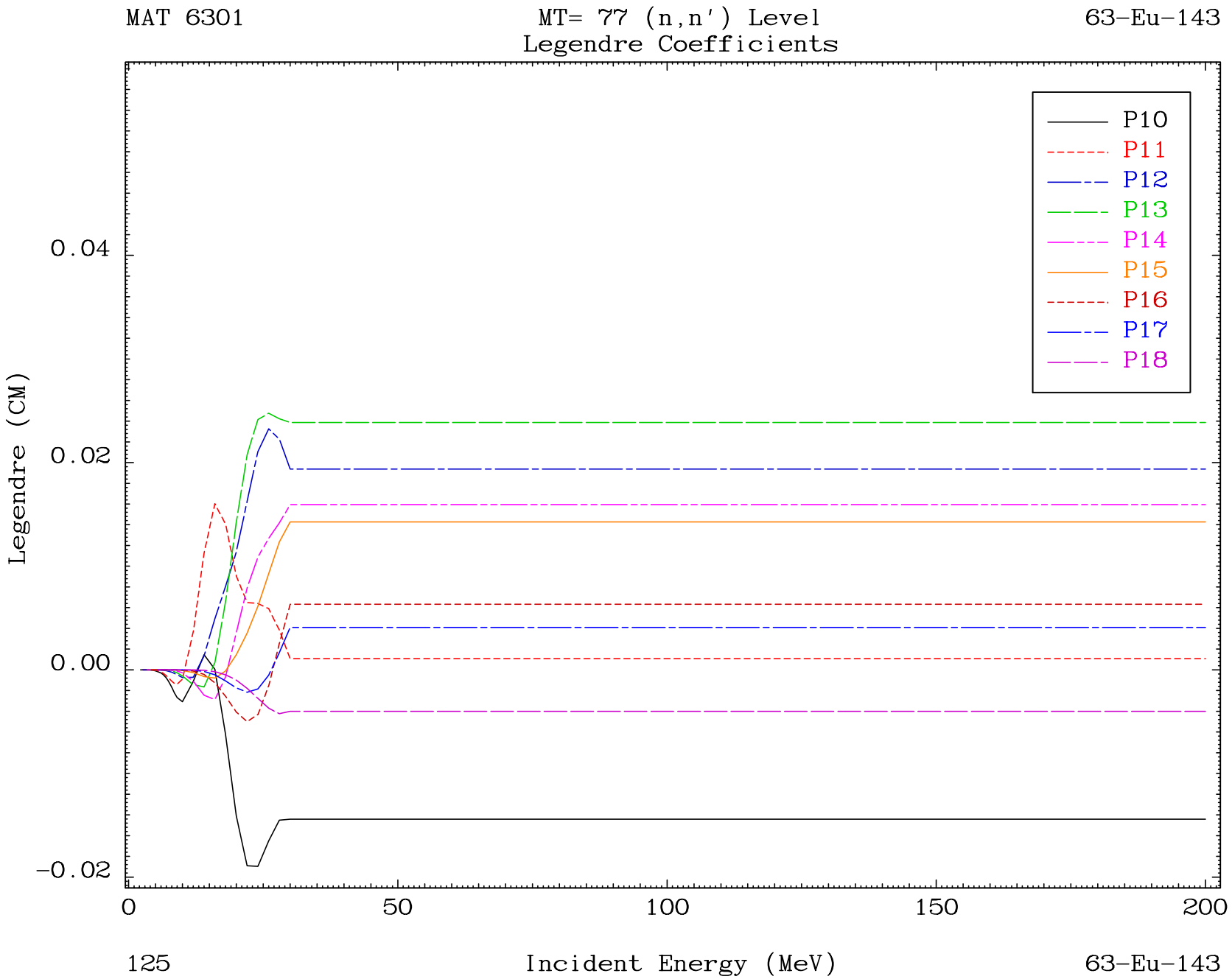

MAT 6301
MT= 76 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
120
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

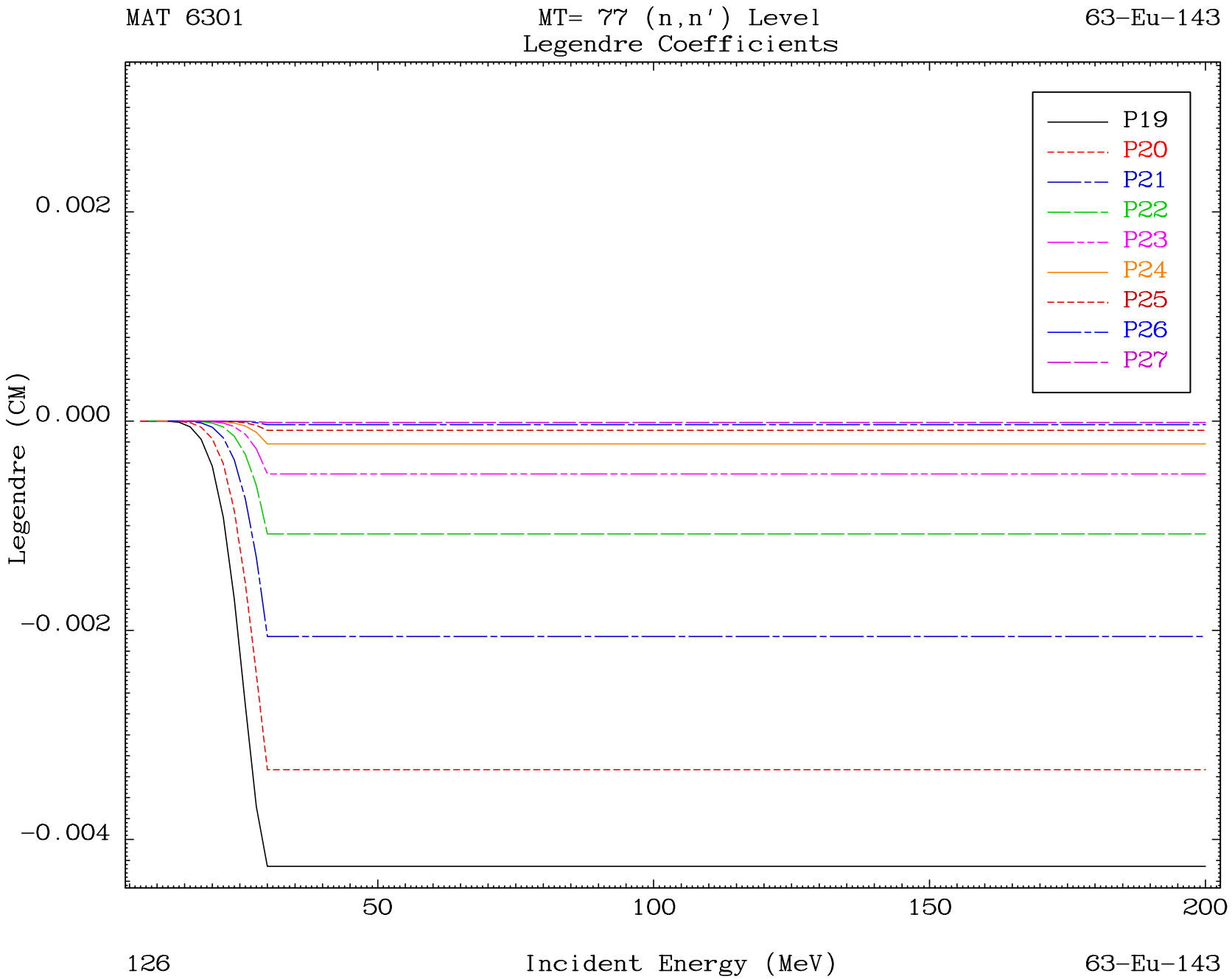

MAT 6301
MT= 76 (n,n') Level
Legendre Coefficients
63-Eu-143
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
121
Incident Energy (MeV)
63-Eu-143

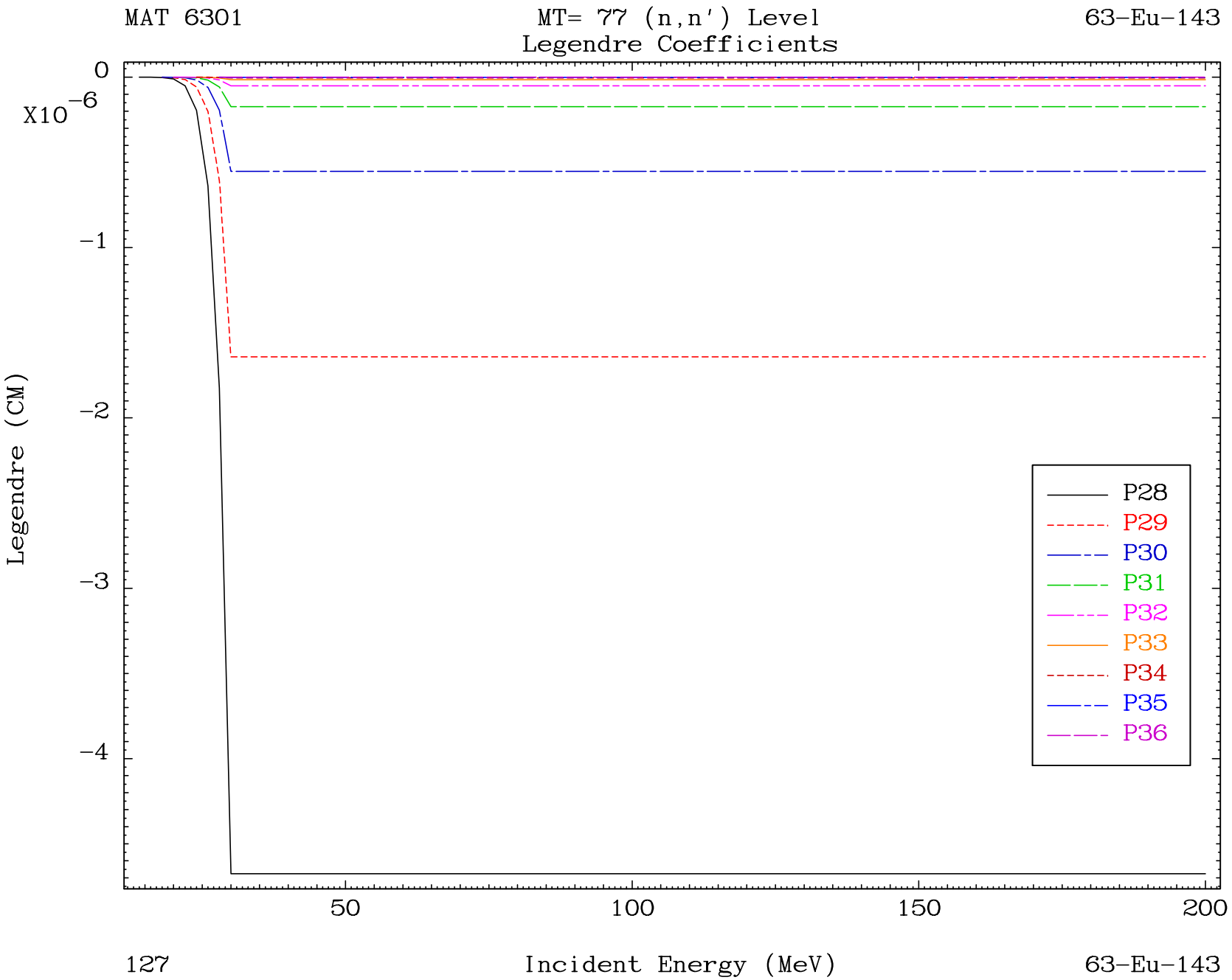

MAT 6301
MT= 76 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
122
Incident Energy (MeV)
63-Eu-143

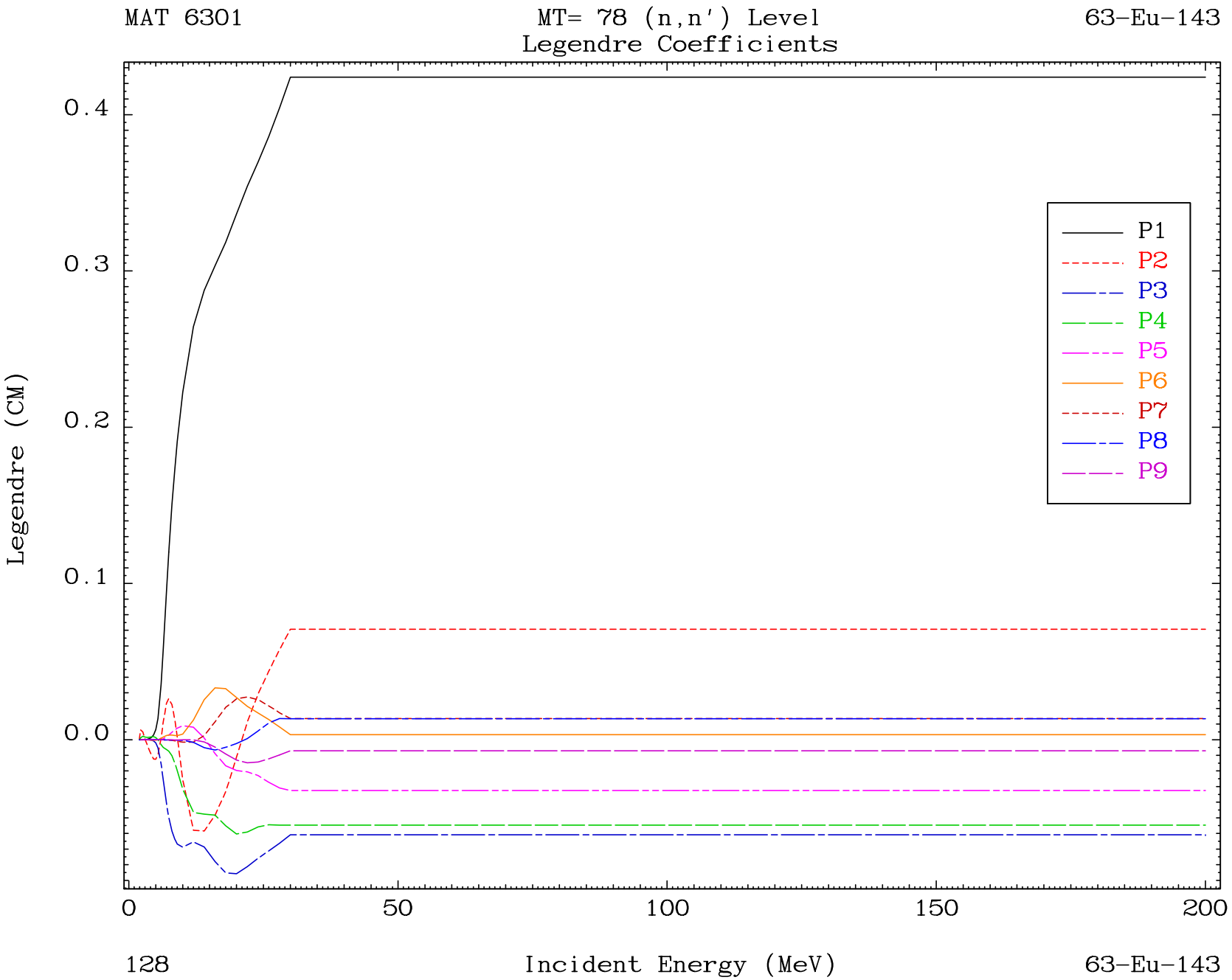

MAT 6301
MT= 76 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
123
Incident Energy (MeV)
63-Eu-143

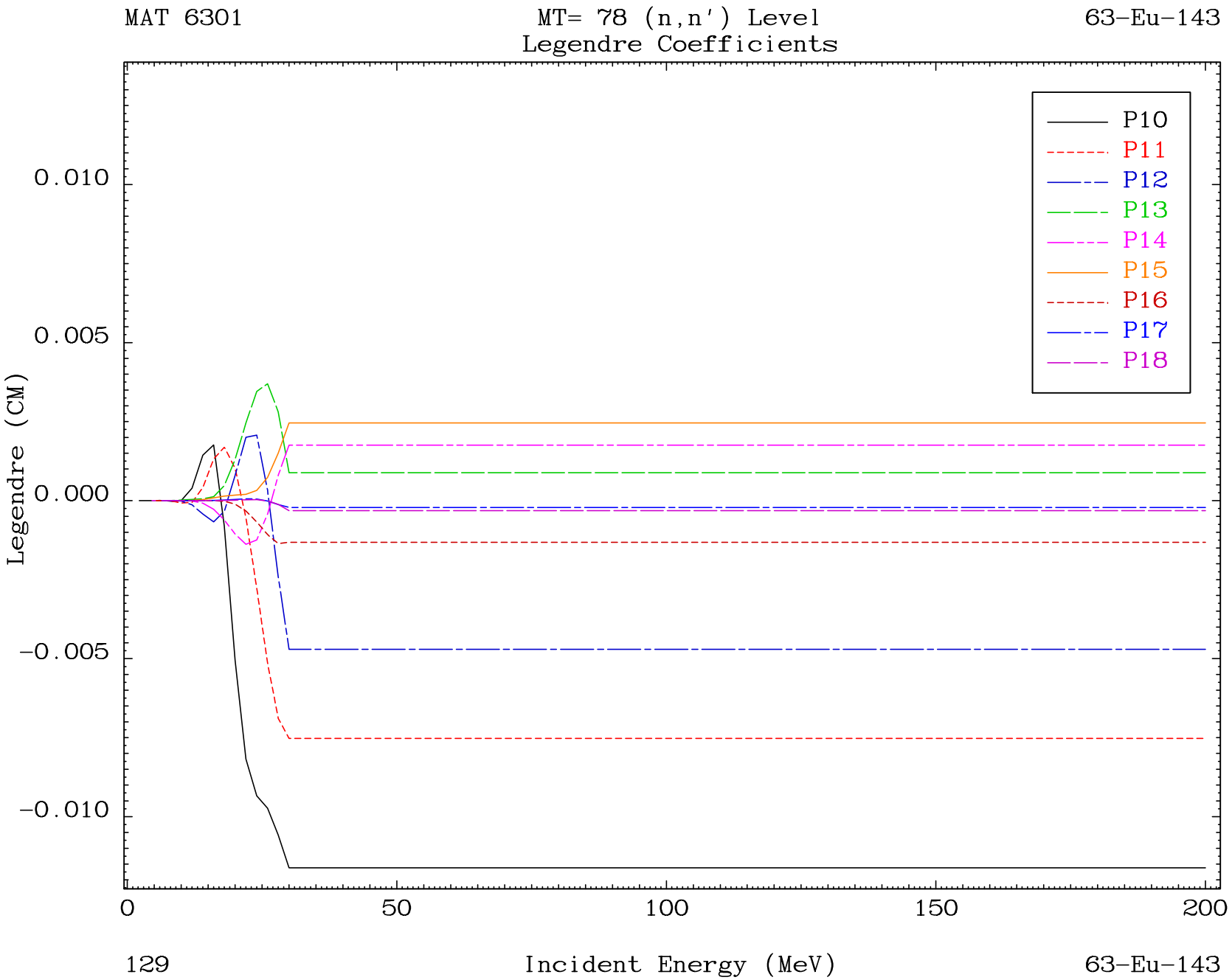

MAT 6301
MT= 77 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
124
Incident Energy (MeV)
63-Eu-143

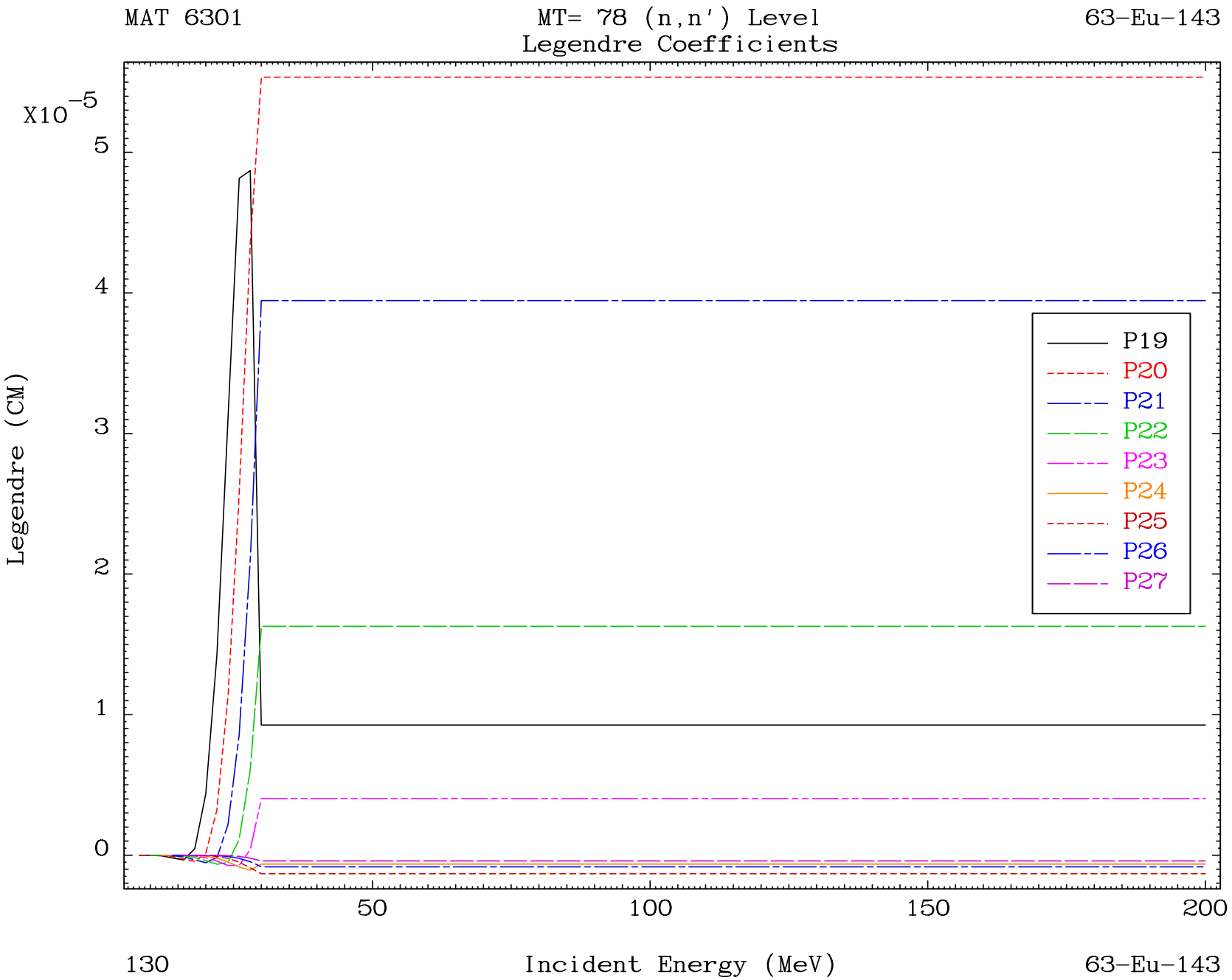

MAT 6301
MT= 77 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
125
Incident Energy (MeV)
63-Eu-143

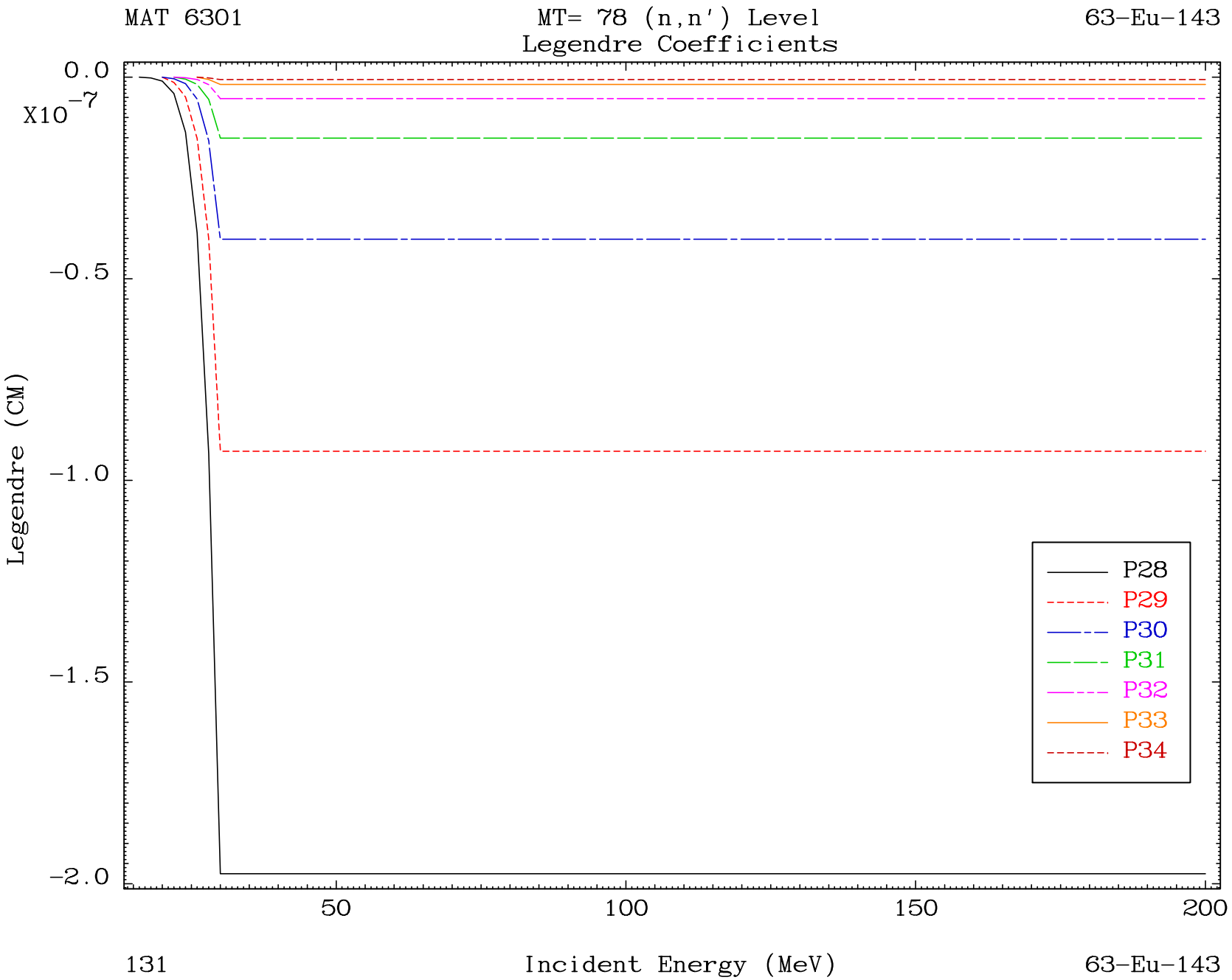

MAT 6301
MT= 77 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
126
Incident Energy (MeV)
63-Eu-143

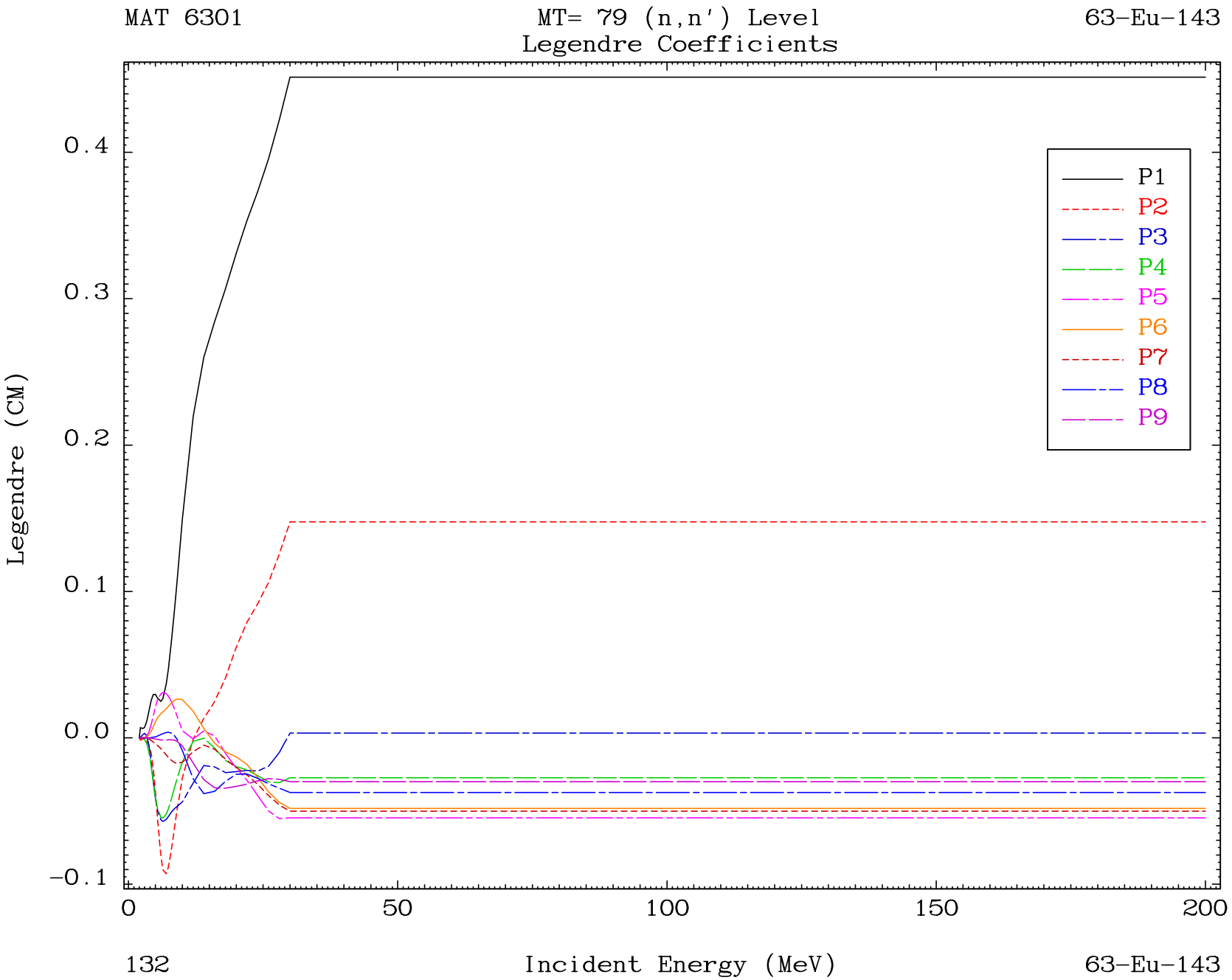

MAT 6301
MT= 77 (n,n') Level
Legendre Coefficients
63-Eu-143
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
127
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

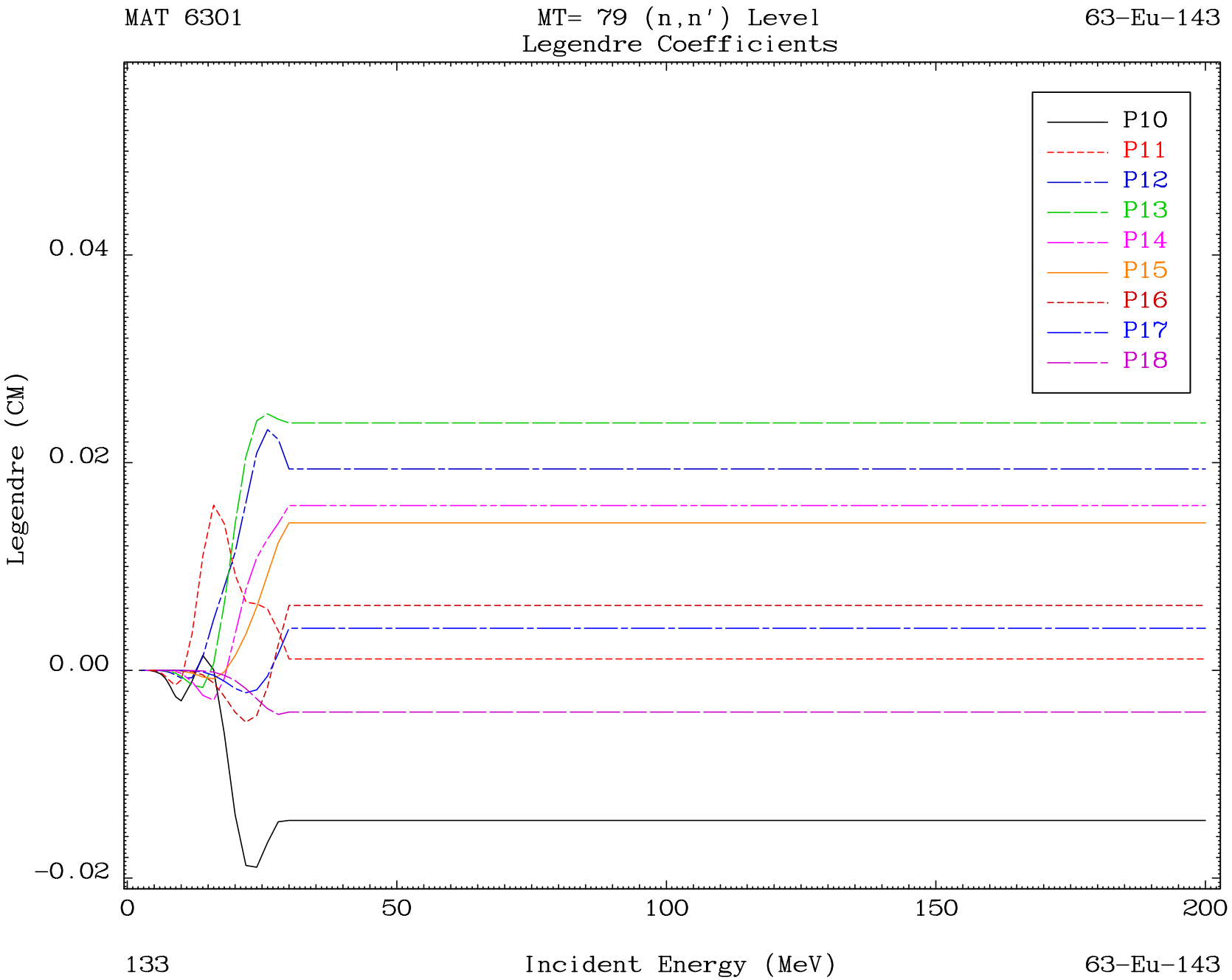

MAT 6301
MT= 78 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
128
Incident Energy (MeV)
63-Eu-143
P1
P2
P3
P4
P5
P6
P7
P8
P9

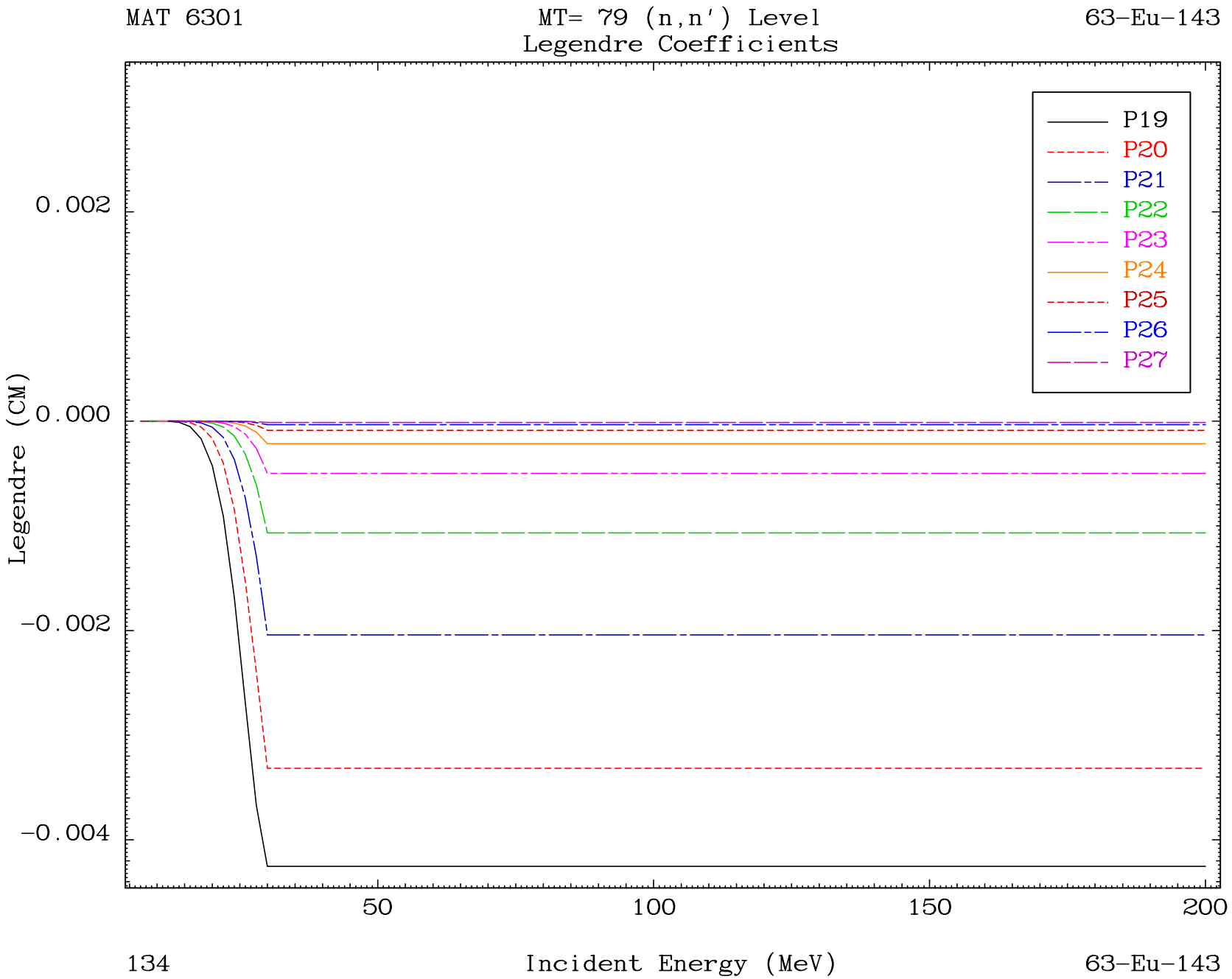

MAT 6301
MT= 78 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
129
Incident Energy (MeV)
63-Eu-143

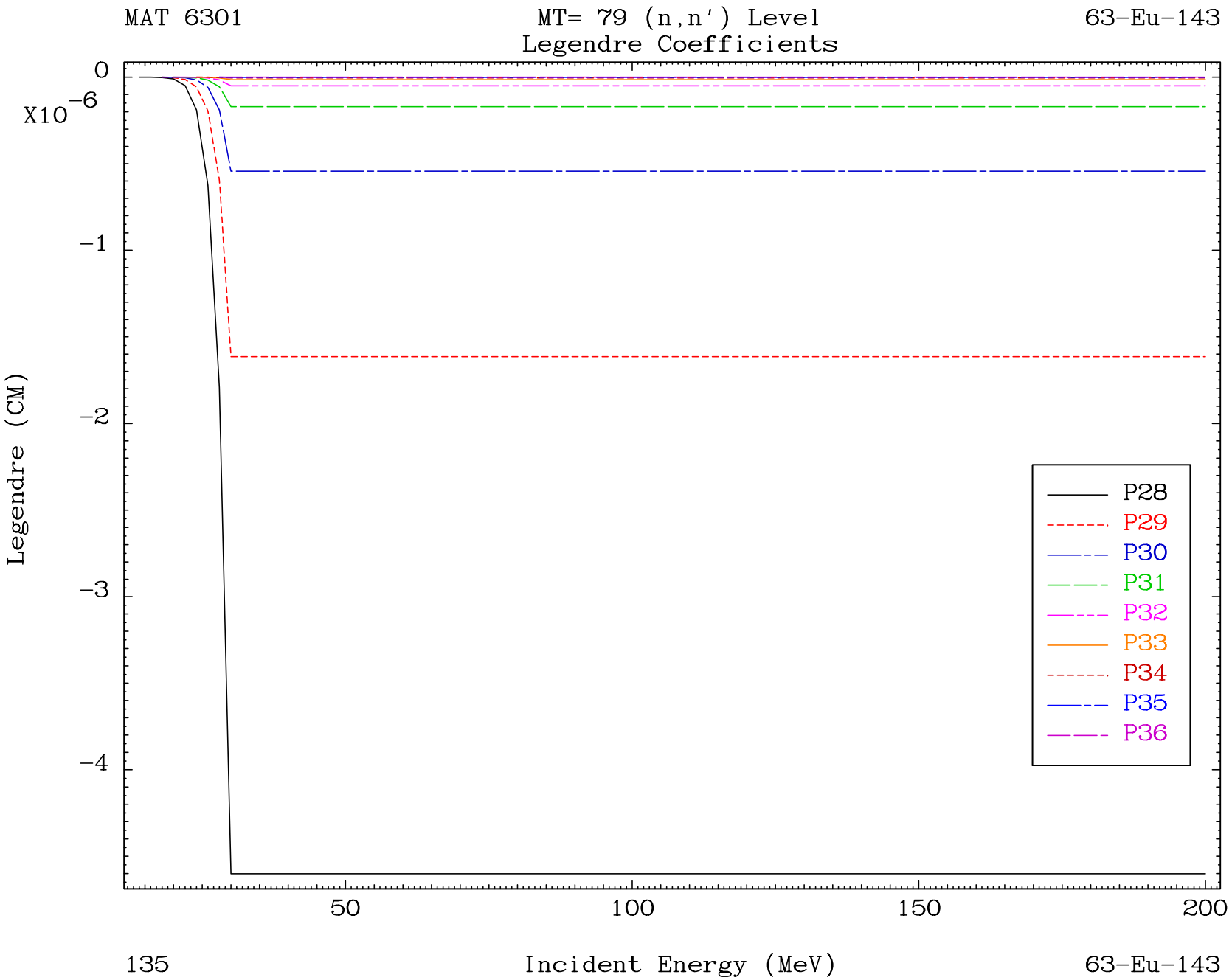

MAT 6301
MT= 78 (n,n') Level
Legendre Coefficients
63-Eu-143
X10^-5
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
130
Incident Energy (MeV)
63-Eu-143

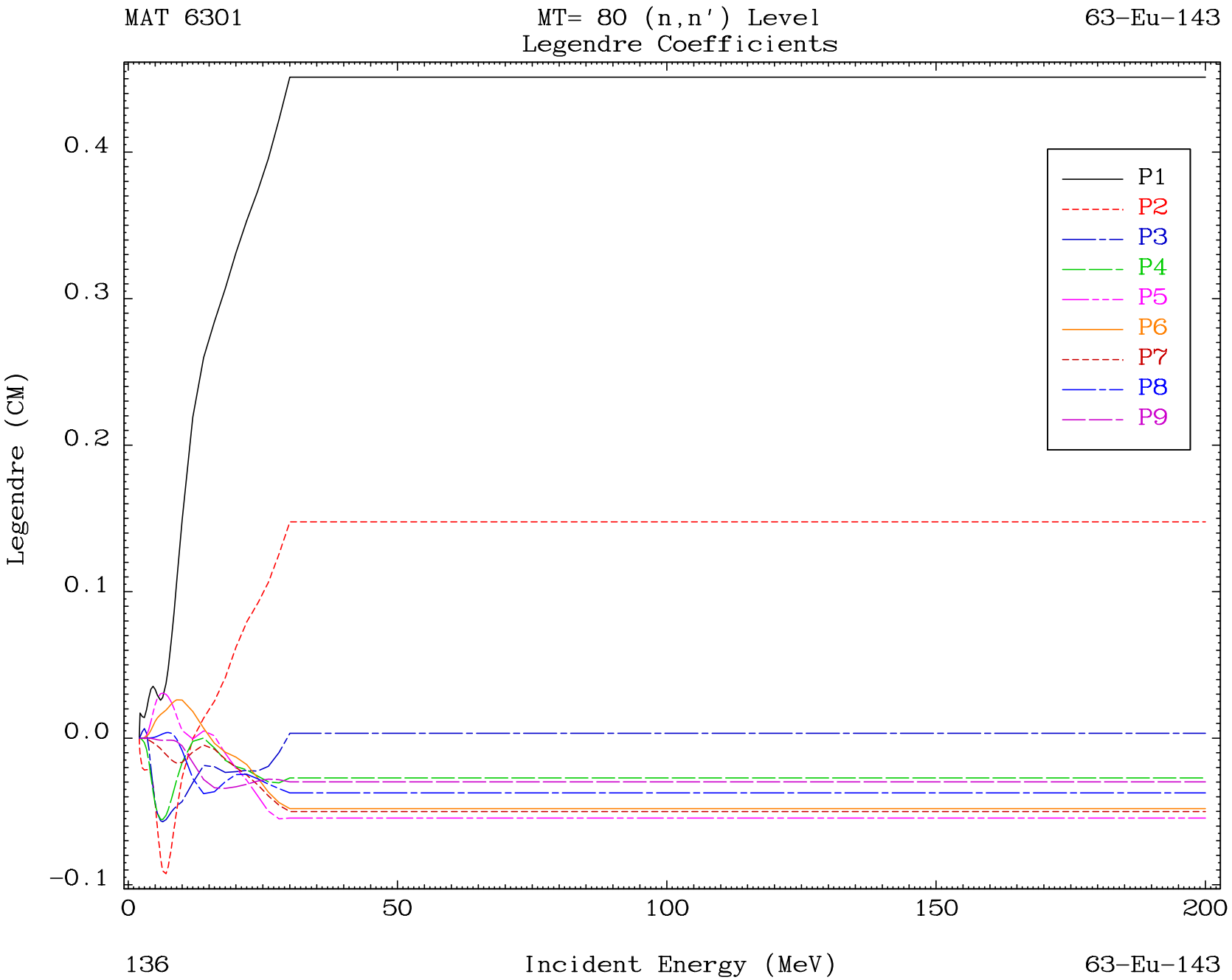

MAT 6301
MT= 78 (n,n') Level
Legendre Coefficients
63-Eu-143
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
131
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34

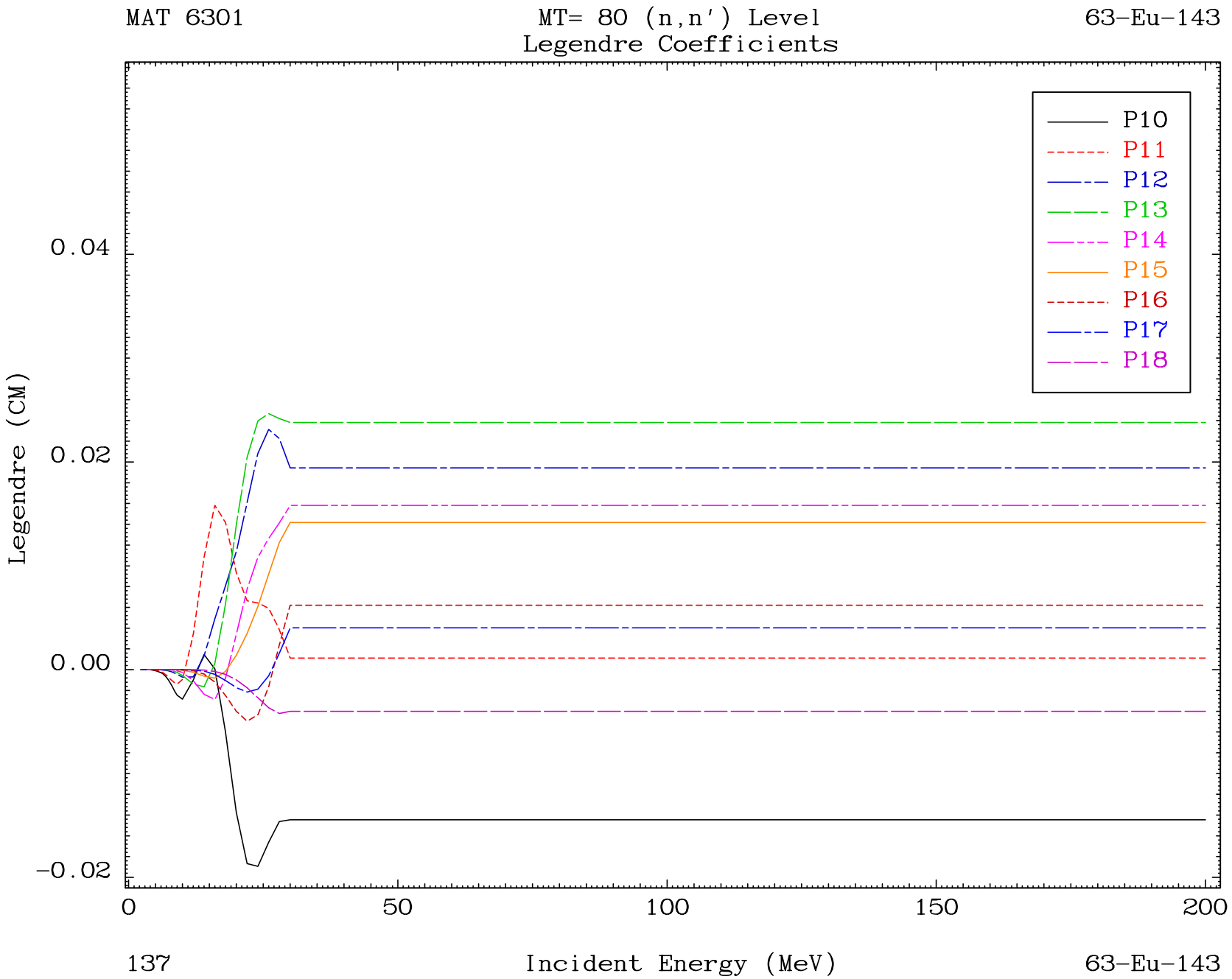

MAT 6301
MT= 79 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
132
Incident Energy (MeV)
63-Eu-143

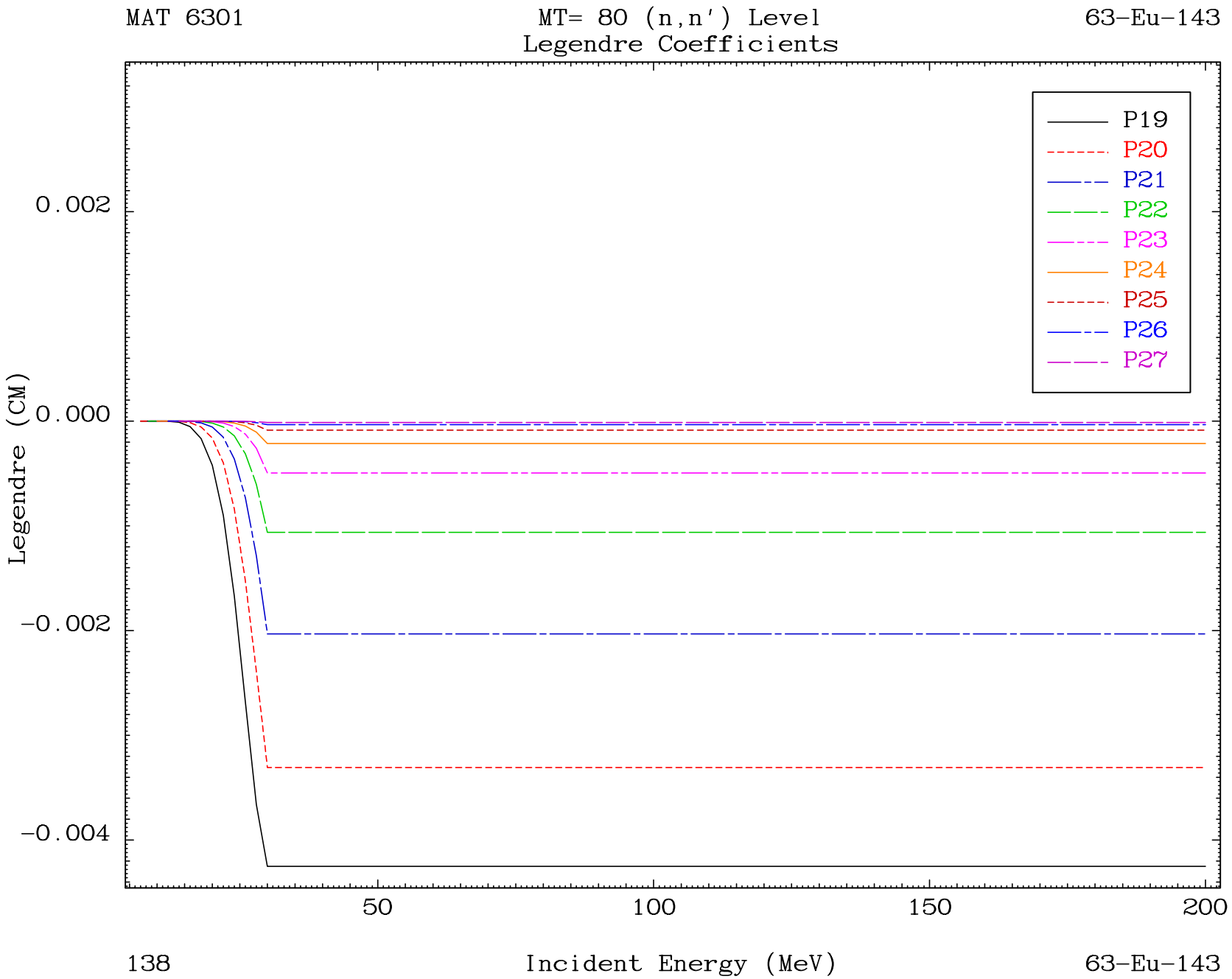

MAT 6301
MT= 79 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
133
Incident Energy (MeV)
63-Eu-143

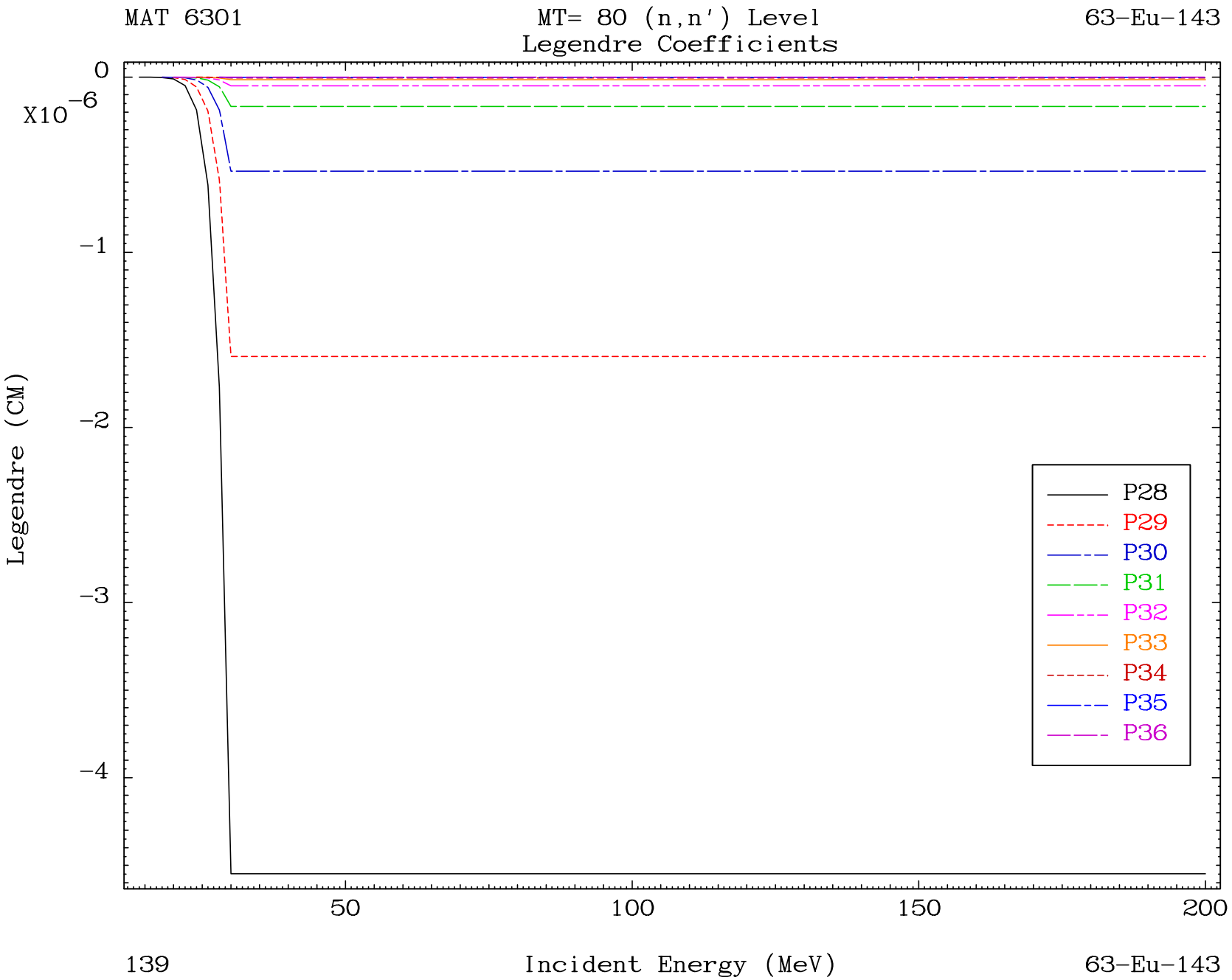

MAT 6301
MT= 79 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
134
Incident Energy (MeV)
63-Eu-143

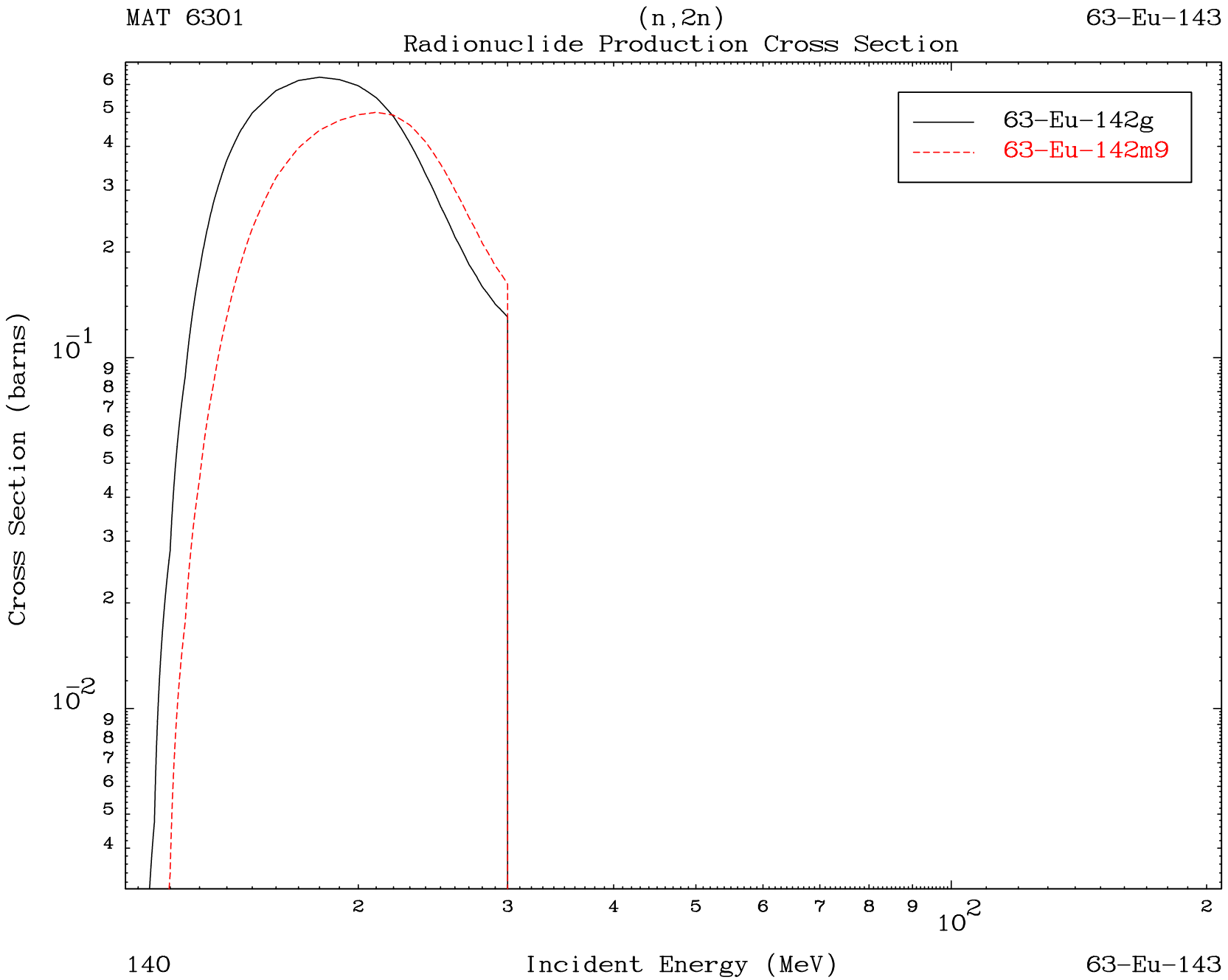

MAT 6301
MT= 79 (n,n') Level
Legendre Coefficients
63-Eu-143
0
X10 −6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
135
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

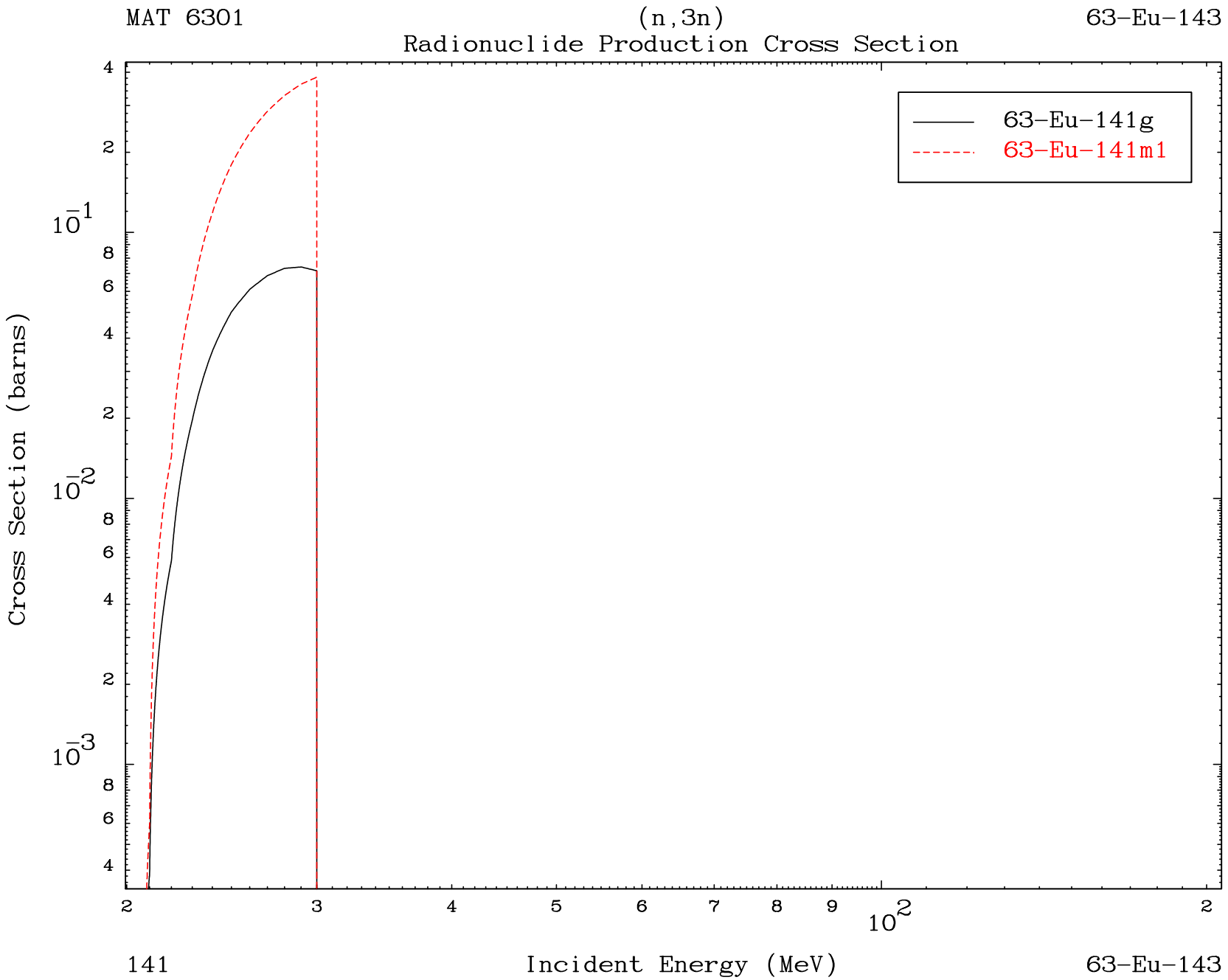

MAT 6301
MT= 80 (n,n') Level
Legendre Coefficients
63-Eu-143
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
136
Incident Energy (MeV)
63-Eu-143

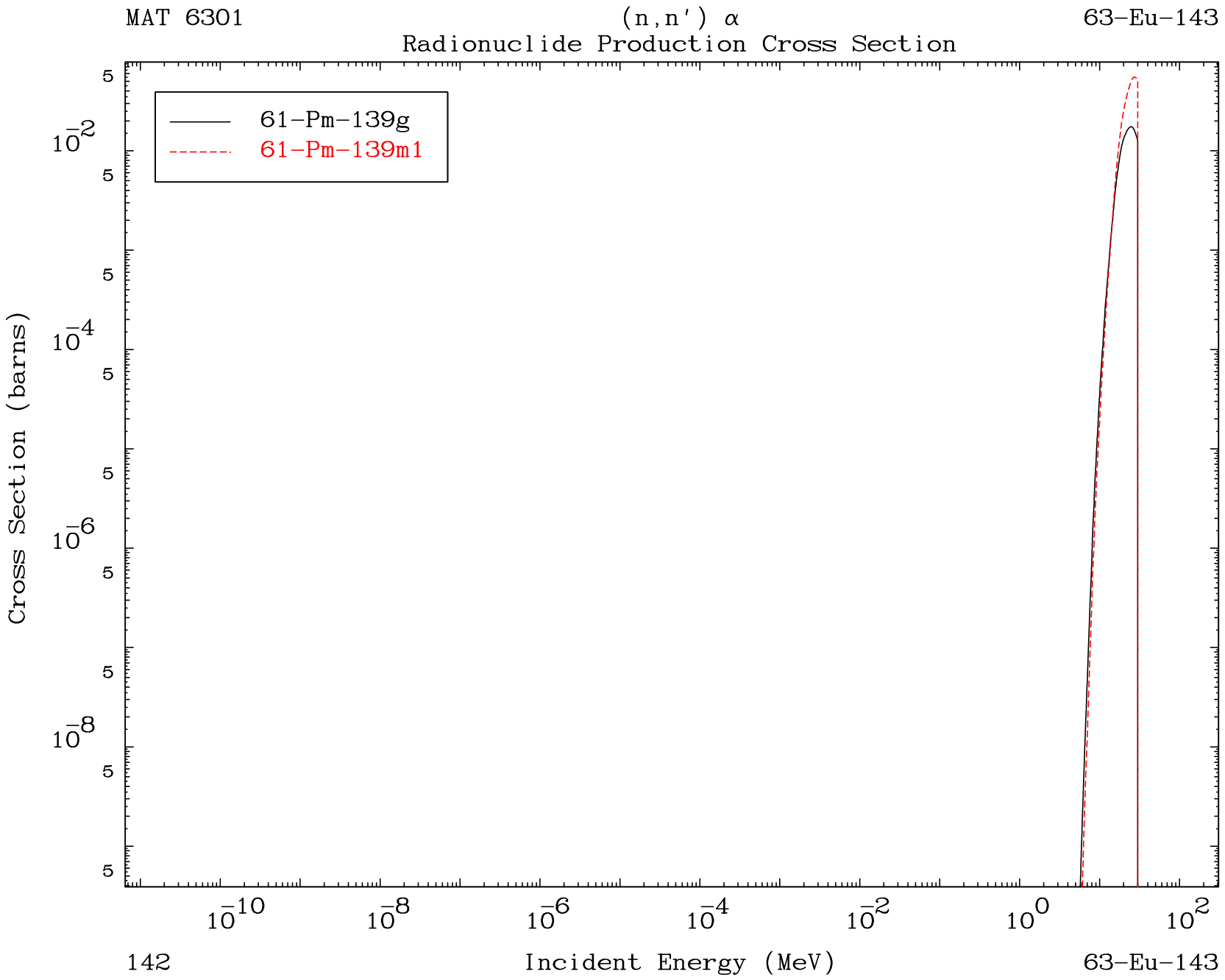

MAT 6301
MT= 80 (n,n') Level
Legendre Coefficients
63-Eu-143
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
137
Incident Energy (MeV)
63-Eu-143

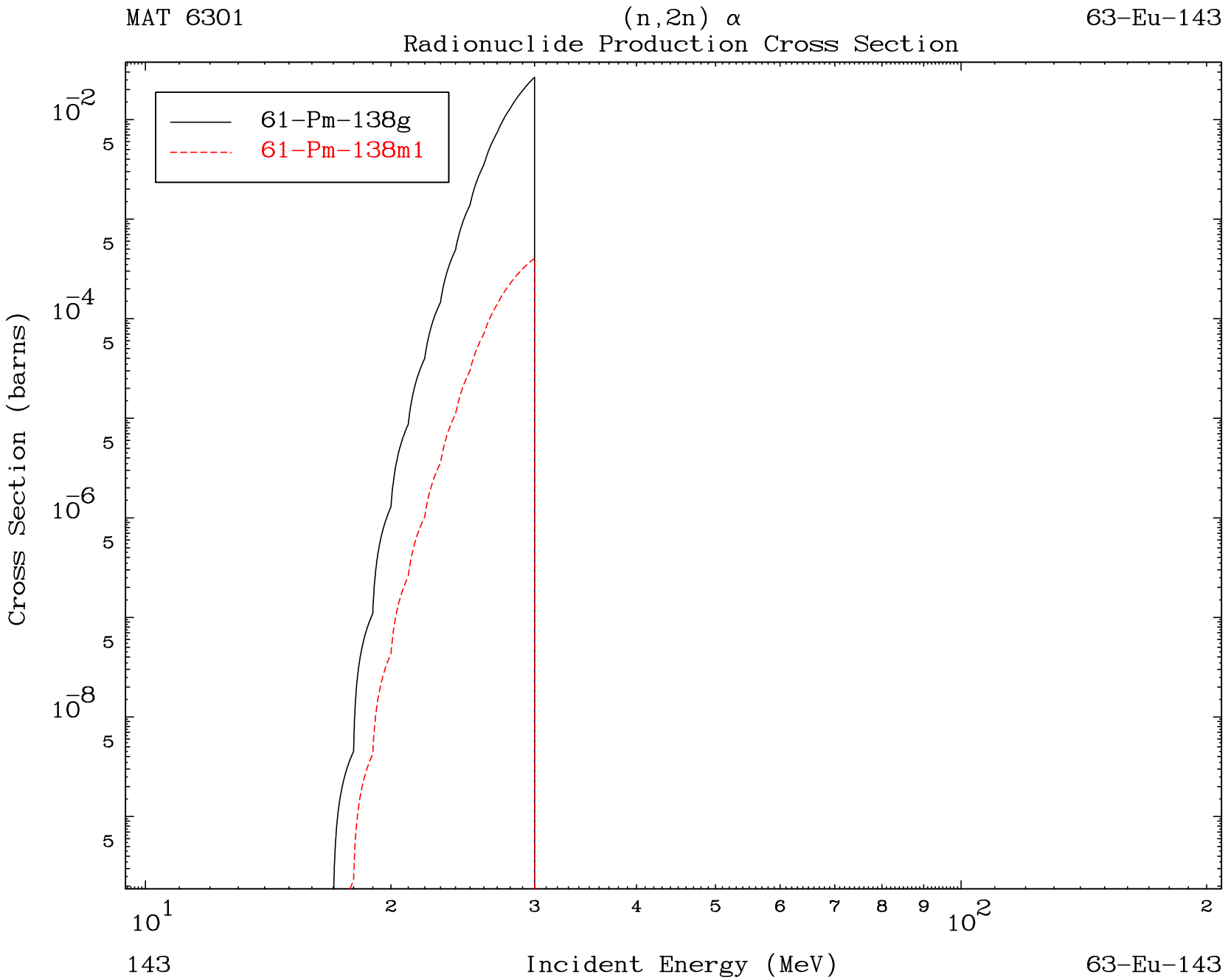

MAT 6301
MT= 80 (n,n') Level
Legendre Coefficients
63-Eu-143
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
138
Incident Energy (MeV)
63-Eu-143

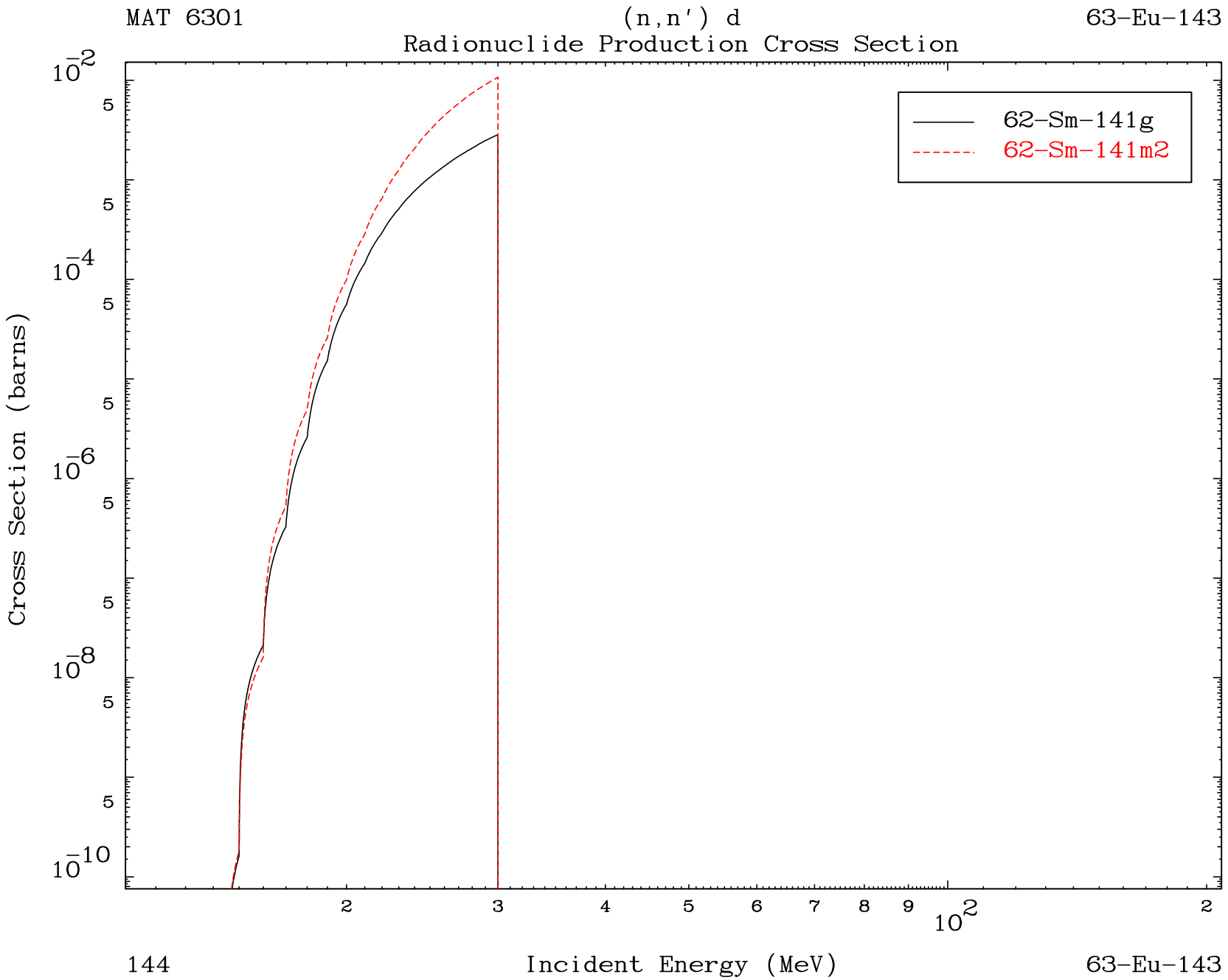

MAT 6301
MT= 80 (n,n') Level
Legendre Coefficients
63-Eu-143
0
X10 −6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
139
Incident Energy (MeV)
63-Eu-143
P28
P29
P30
P31
P32
P33
P34
P35
P36

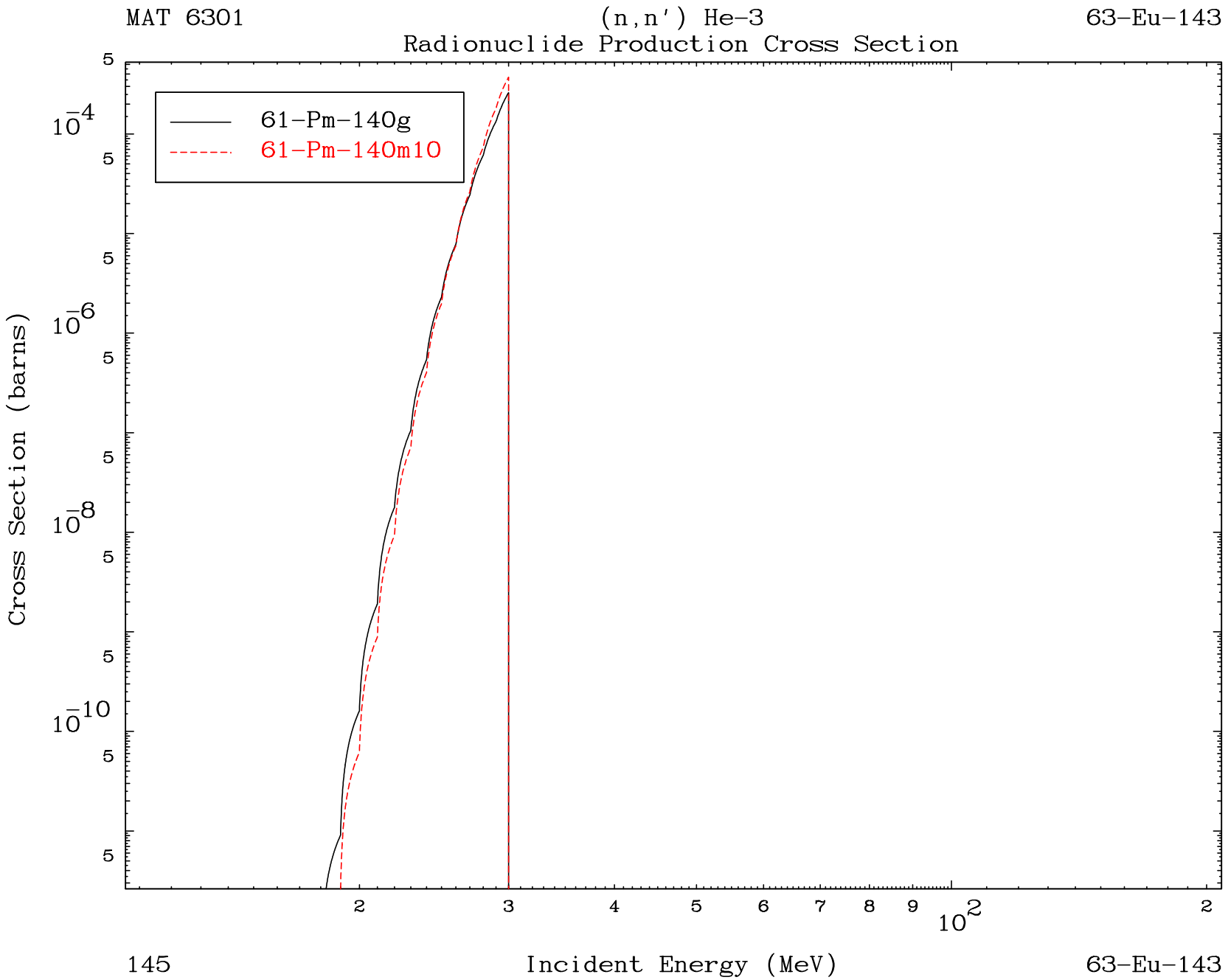

MAT 6301
(n,2n)
63-Eu-143
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m9
Cross Section (barns)
Incident Energy (MeV)
140
63-Eu-143

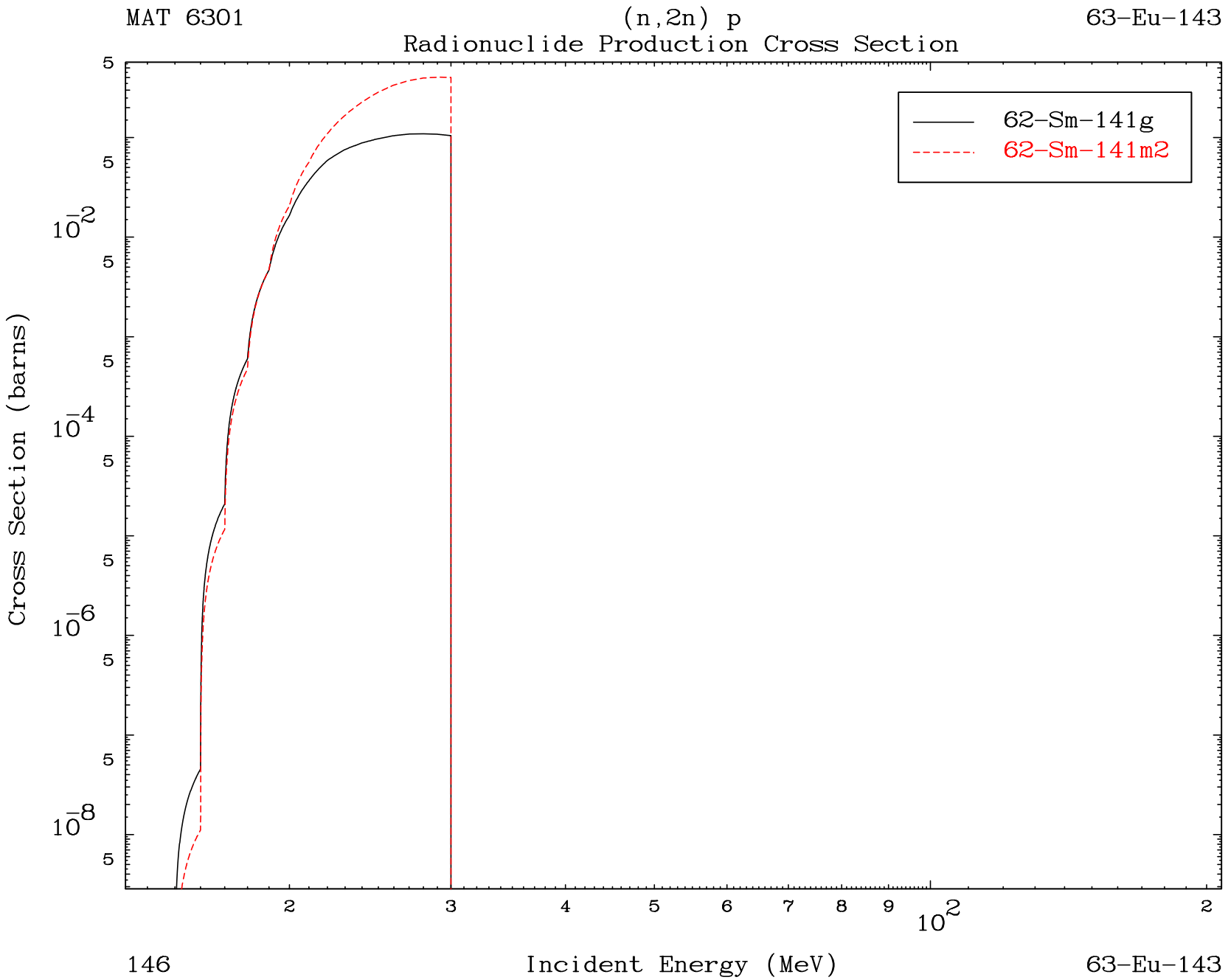

MAT 6301
(n,3n)
63-Eu-143
Radionuclide Production Cross Section
63-Eu-141g
63-Eu-141m1
Cross Section (barns)
Incident Energy (MeV)
141
63-Eu-143

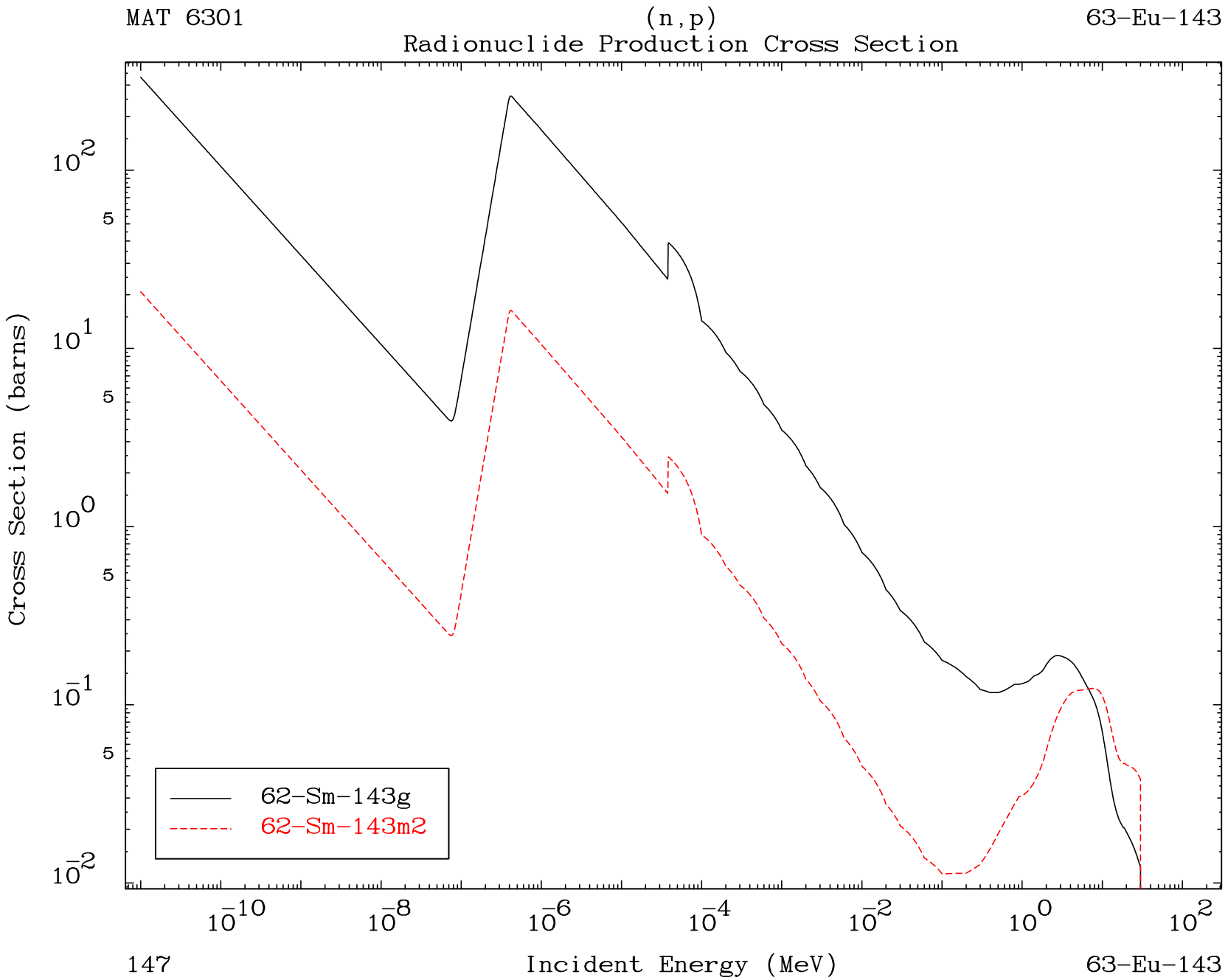

MAT 6301
(n,n') α
63-Eu-143
Radionuclide Production Cross Section
61-Pm-139g
61-Pm-139m1
Cross Section (barns)
Incident Energy (MeV)
142
63-Eu-143

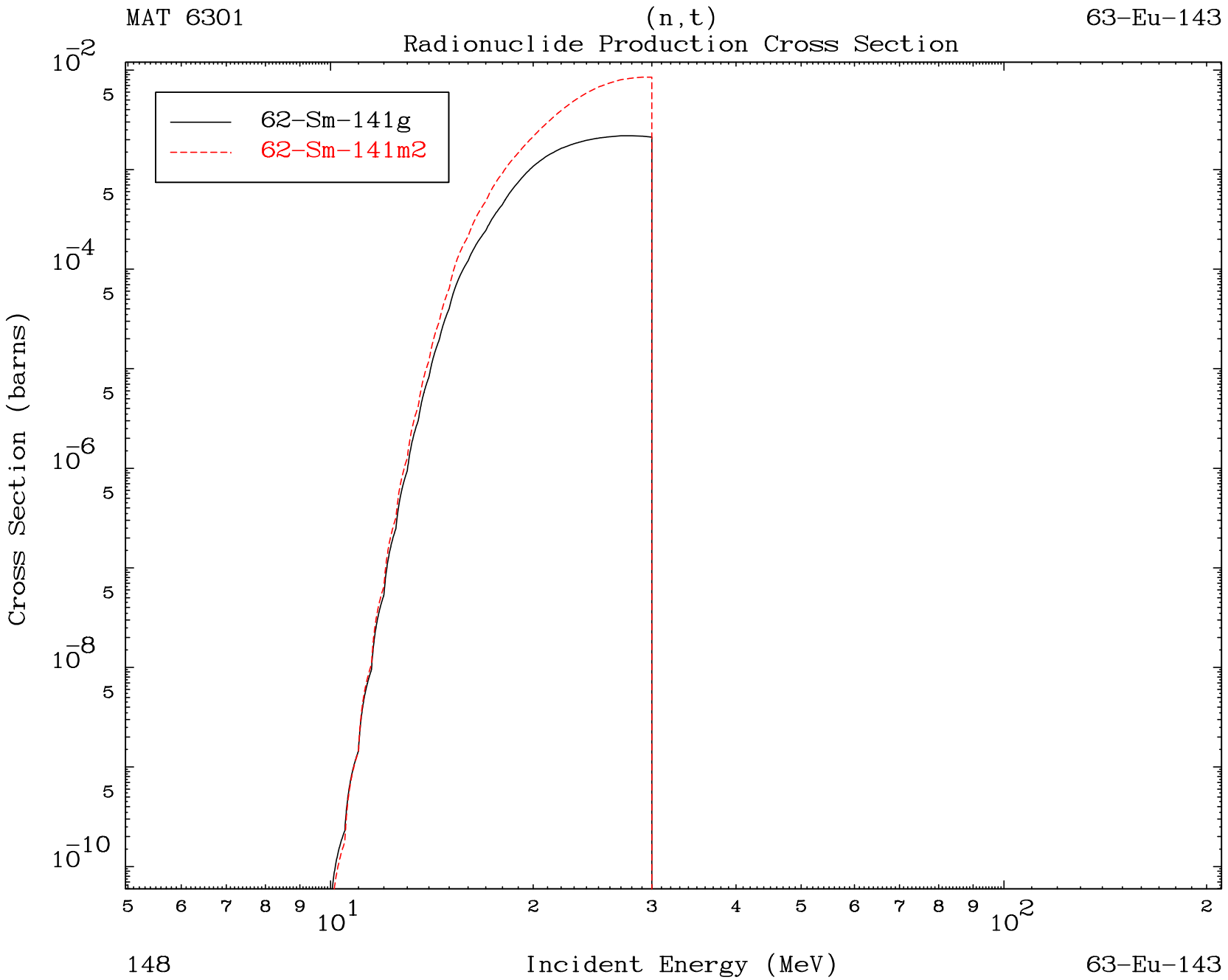

MAT 6301
(n,2n) α
63-Eu-143
Radionuclide Production Cross Section
61-Pm-138g
61-Pm-138m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
143
Incident Energy (MeV)
63-Eu-143

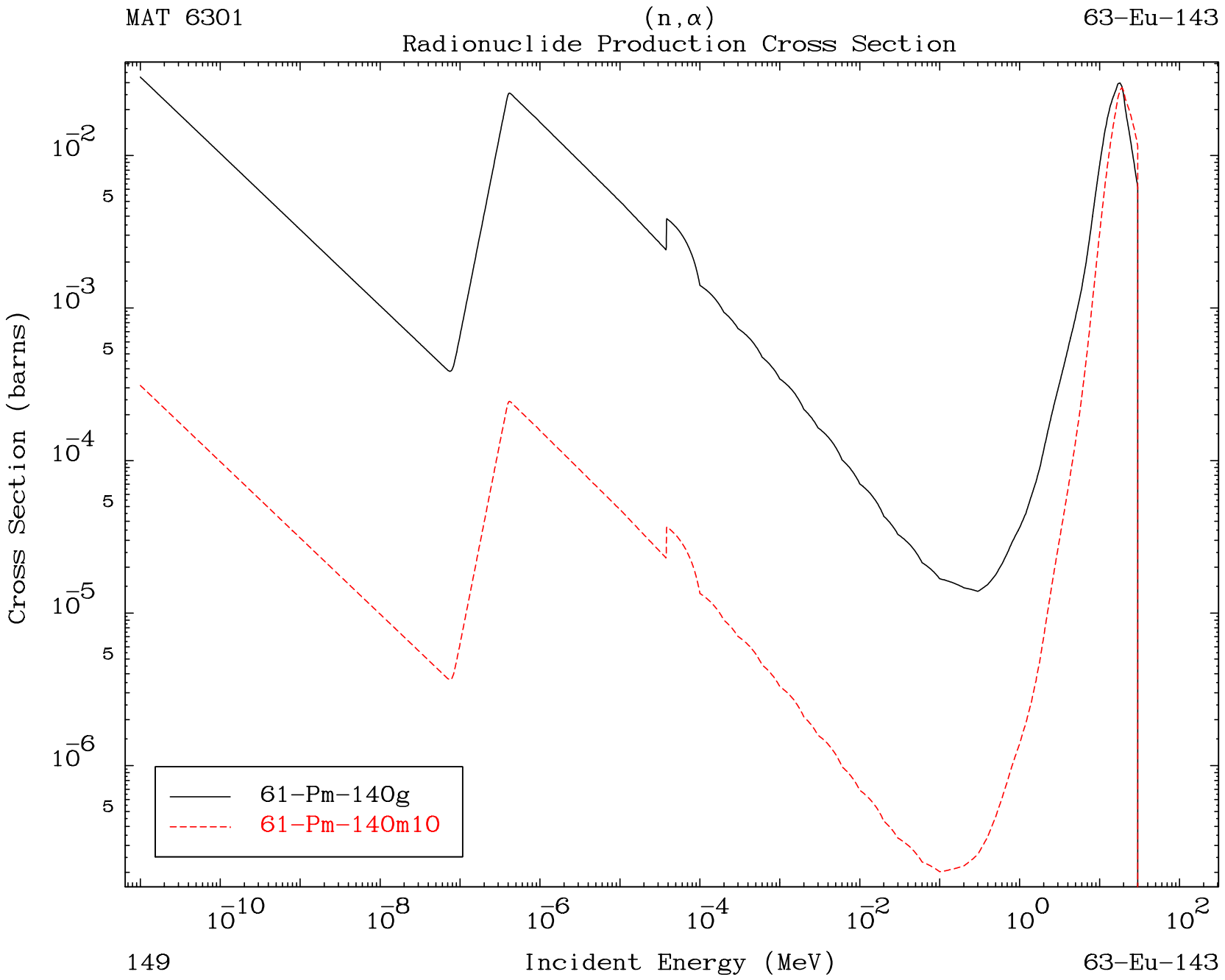

MAT 6301
(n,n') d
63-Eu-143
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
144
63-Eu-143

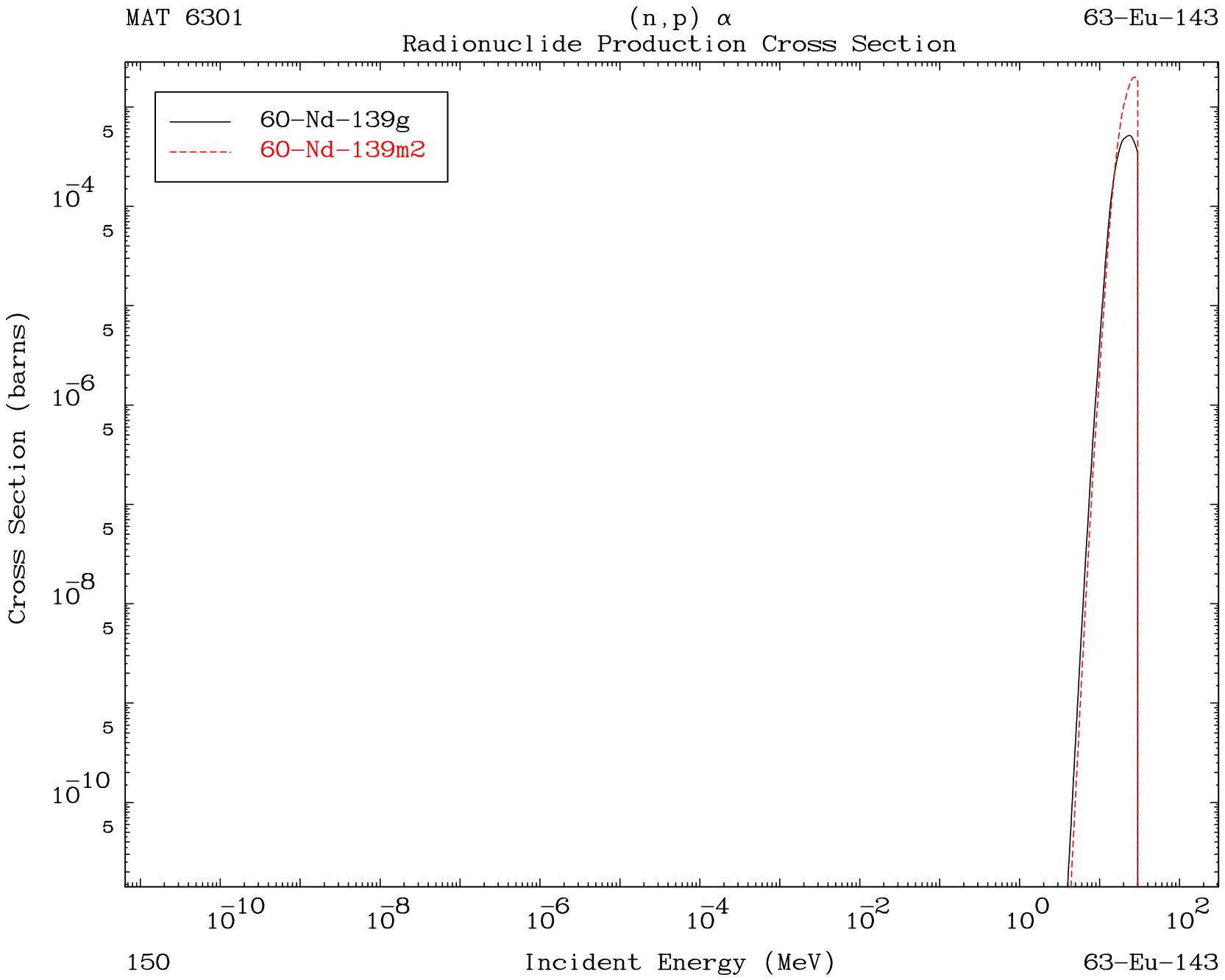

MAT 6301
(n,n') He-3
63-Eu-143
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
145
Incident Energy (MeV)
63-Eu-143

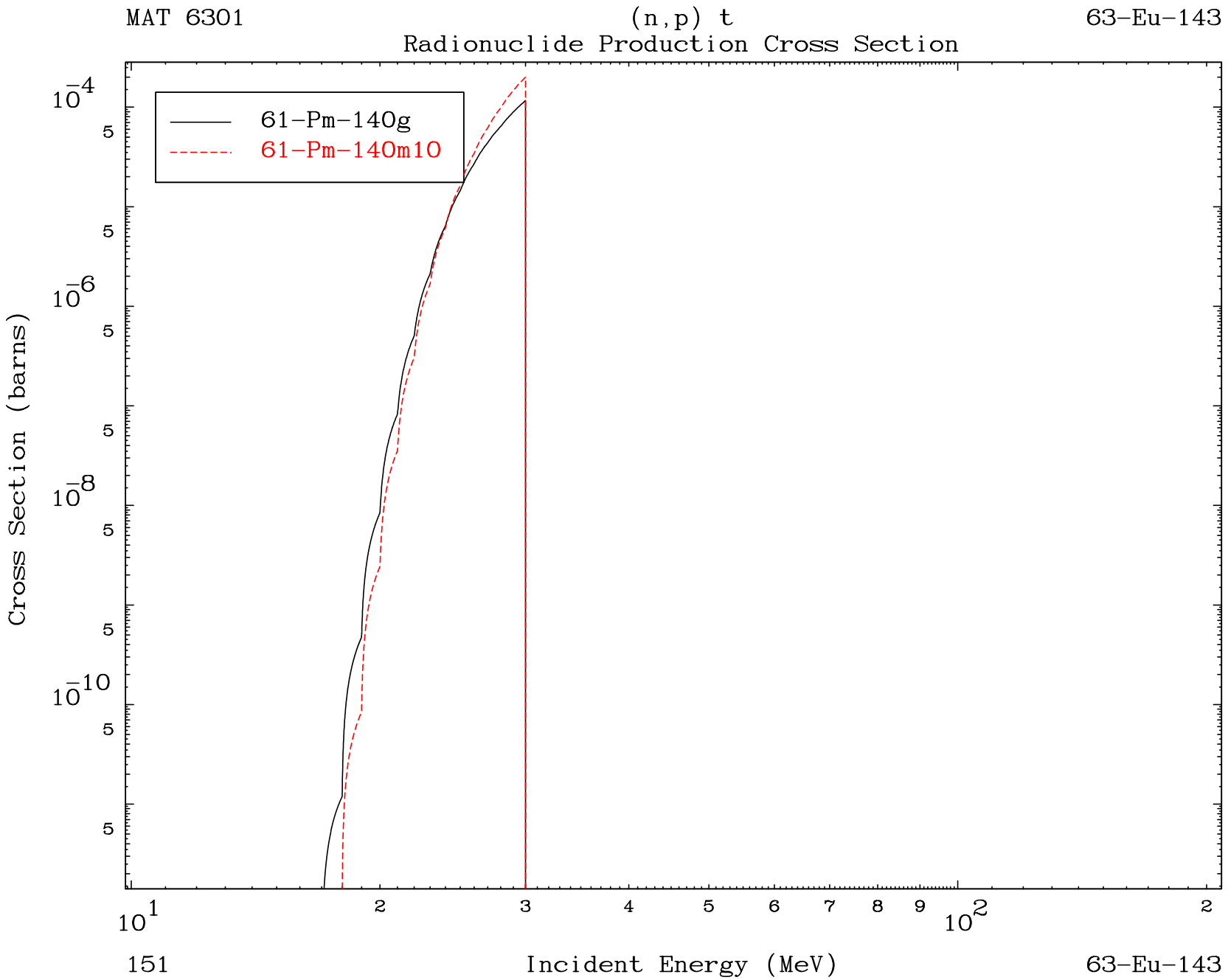

MAT 6301
(n,2n) p
63-Eu-143
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
146
63-Eu-143


MAT 6301
(n,p)
63-Eu-143
Radionuclide Production Cross Section
Cross Section (barns)
10^2
5
10^1
5
10^0
5
10^-1
5
10^-2
62-Sm-143g
62-Sm-143m2
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
147
Incident Energy (MeV)
63-Eu-143


MAT 6301
(n,t)
63-Eu-143
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
148
63-Eu-143


MAT 6301
(n,α)
63-Eu-143
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
61-Pm-140g
61-Pm-140m10
10-10
10-8
10-6
10-4
10-2
100
102
149
Incident Energy (MeV)
63-Eu-143


MAT 6301
(n,p) α
63-Eu-143
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
Incident Energy (MeV)
150
63-Eu-143


MAT 6301
(n,p) t
63-Eu-143
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
151
63-Eu-143