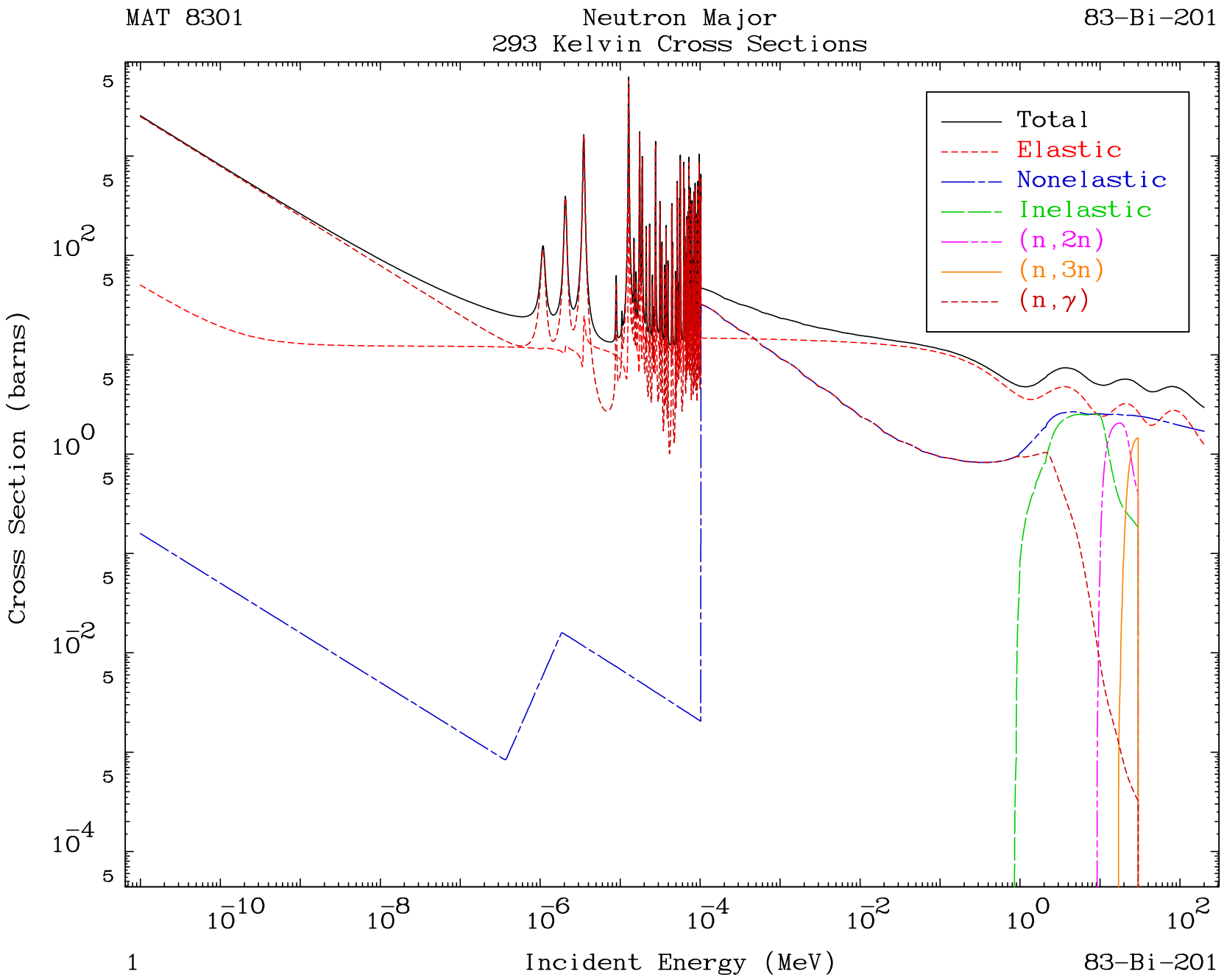
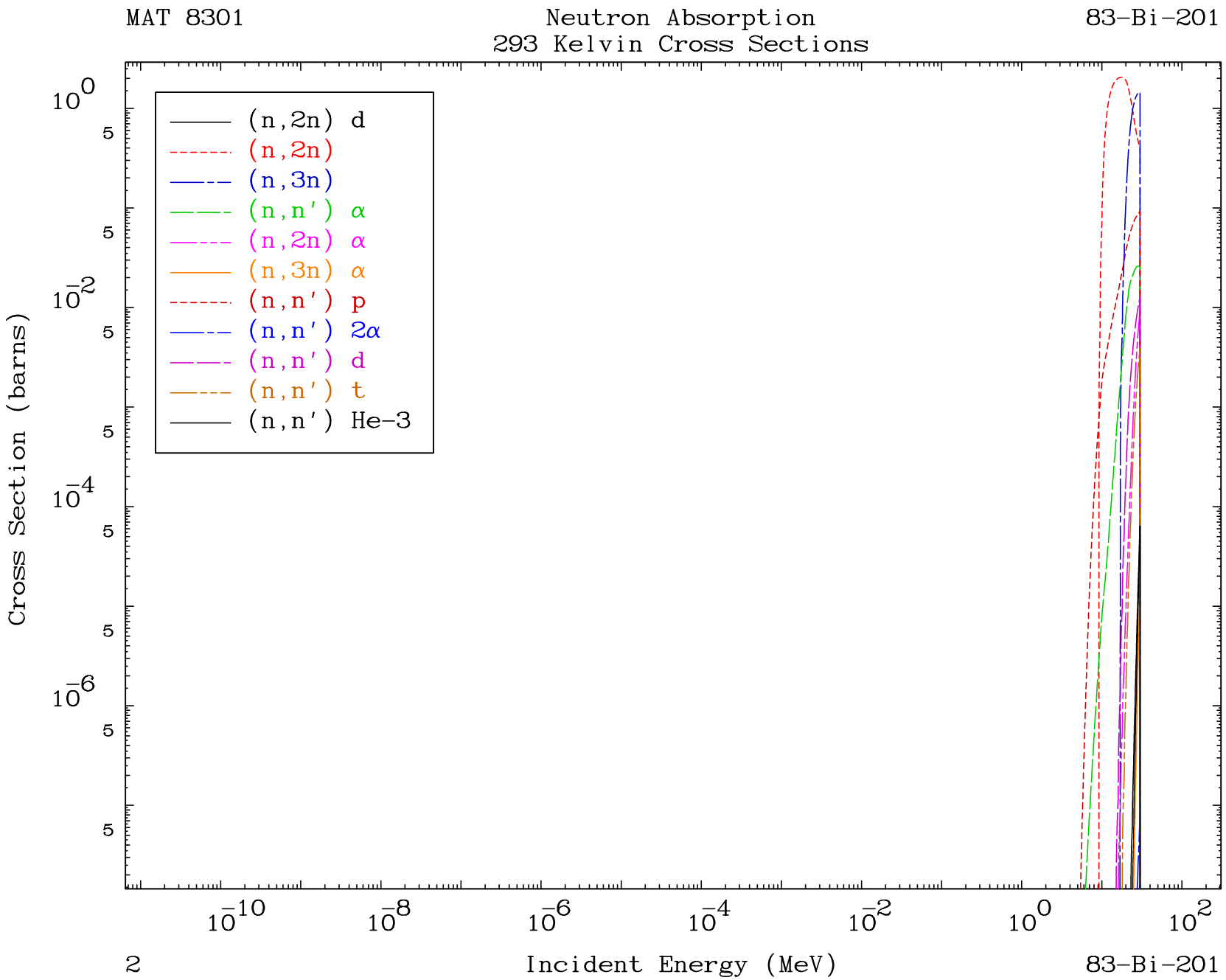
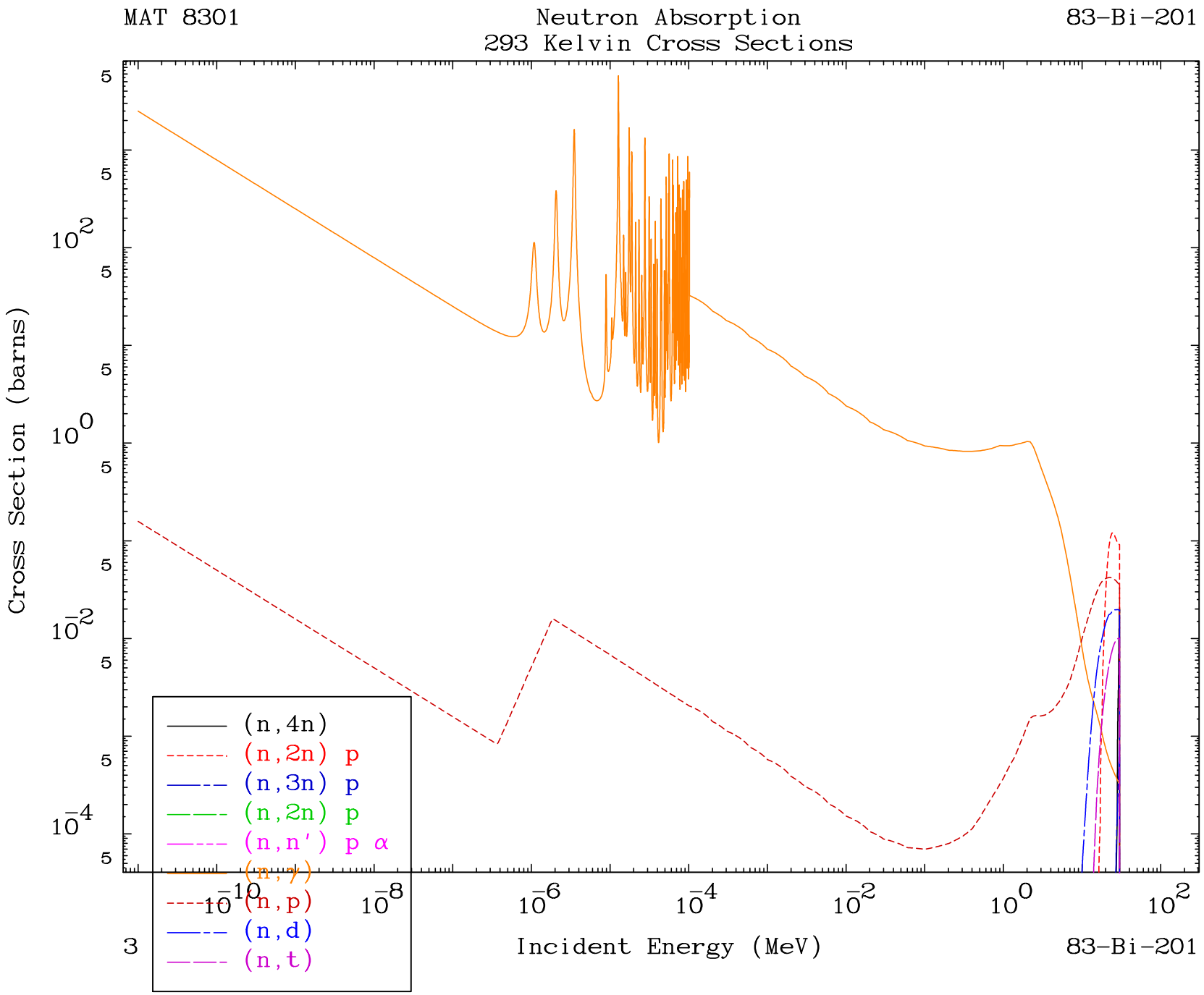
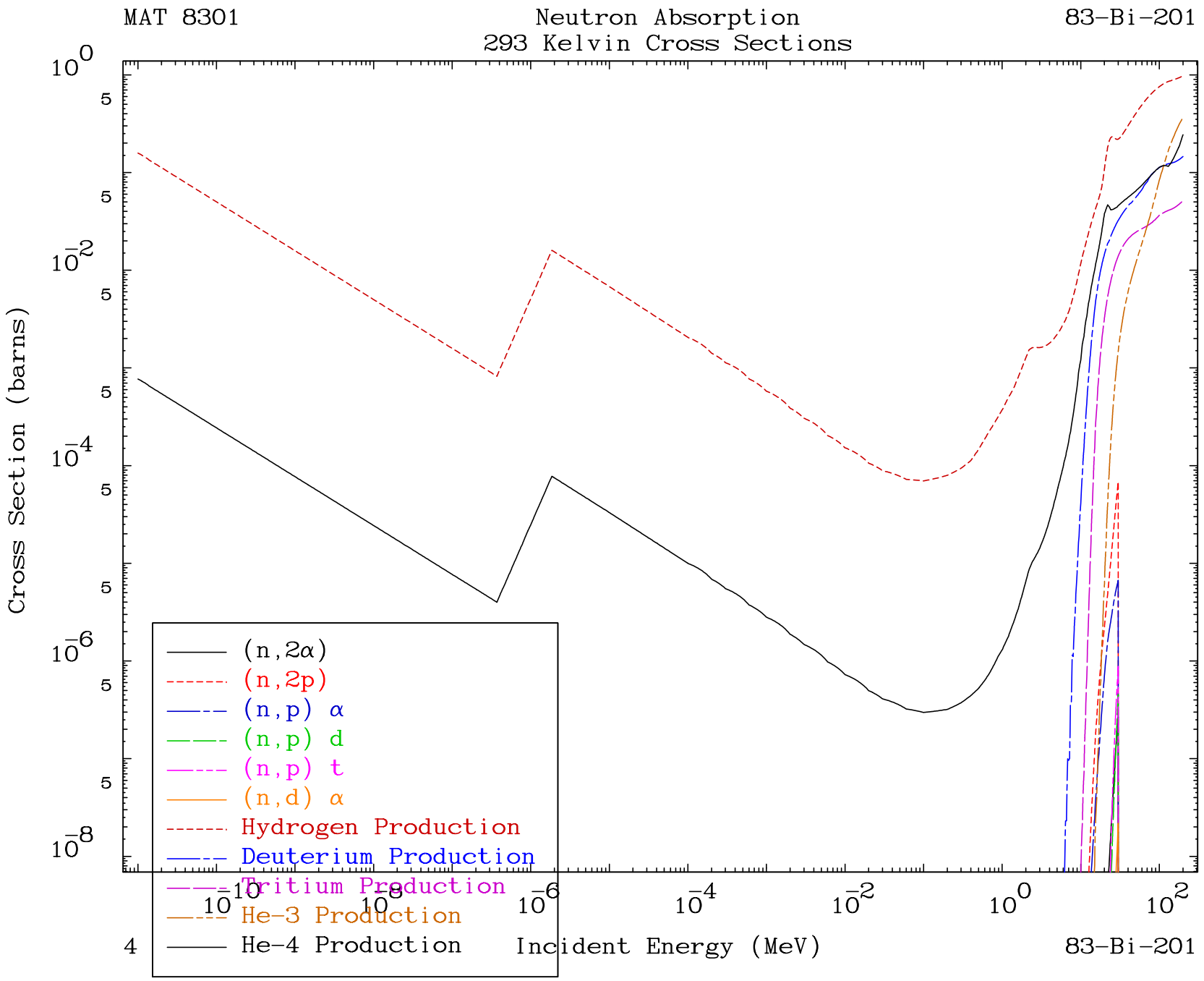
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

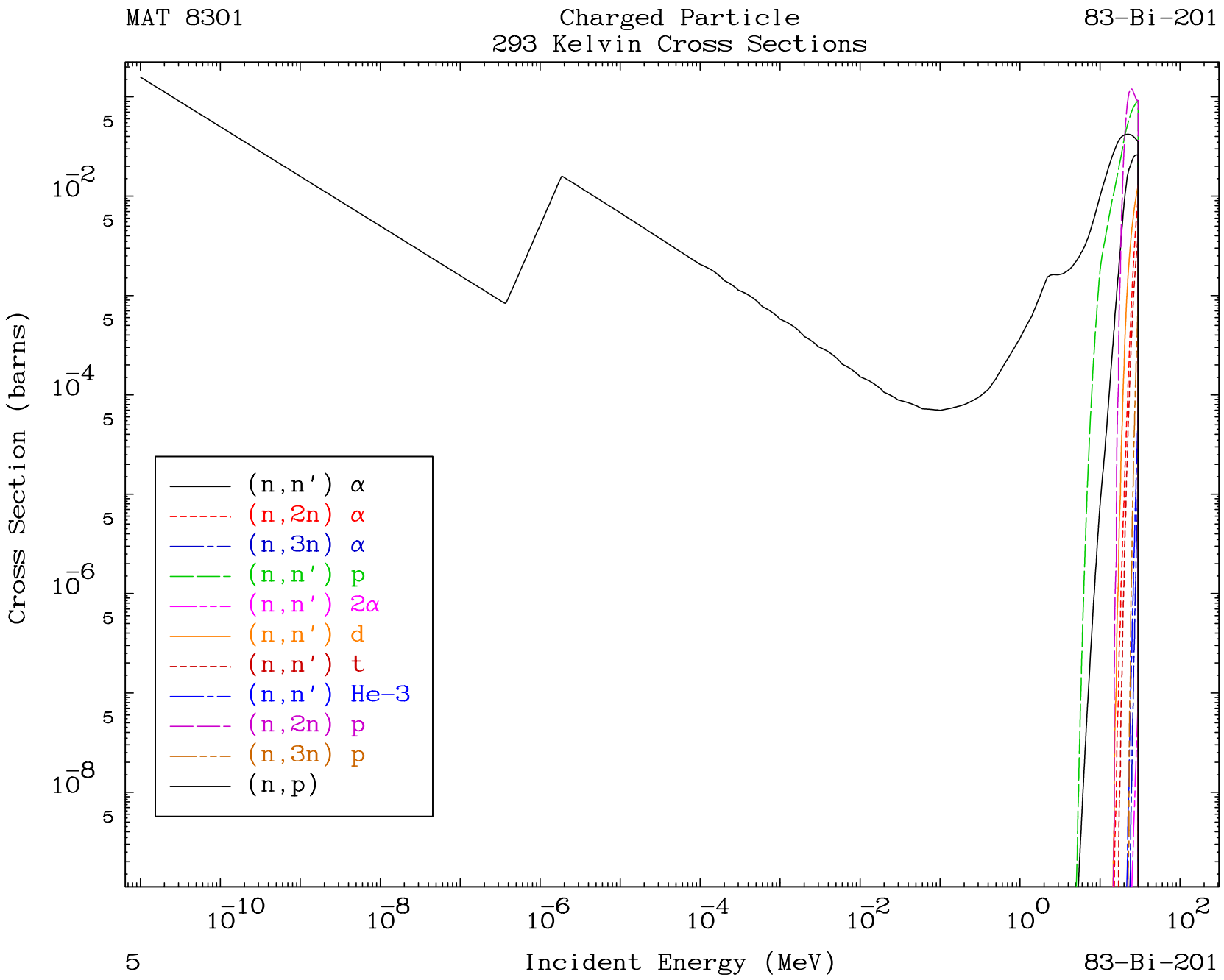
Press Mouse Button to Start

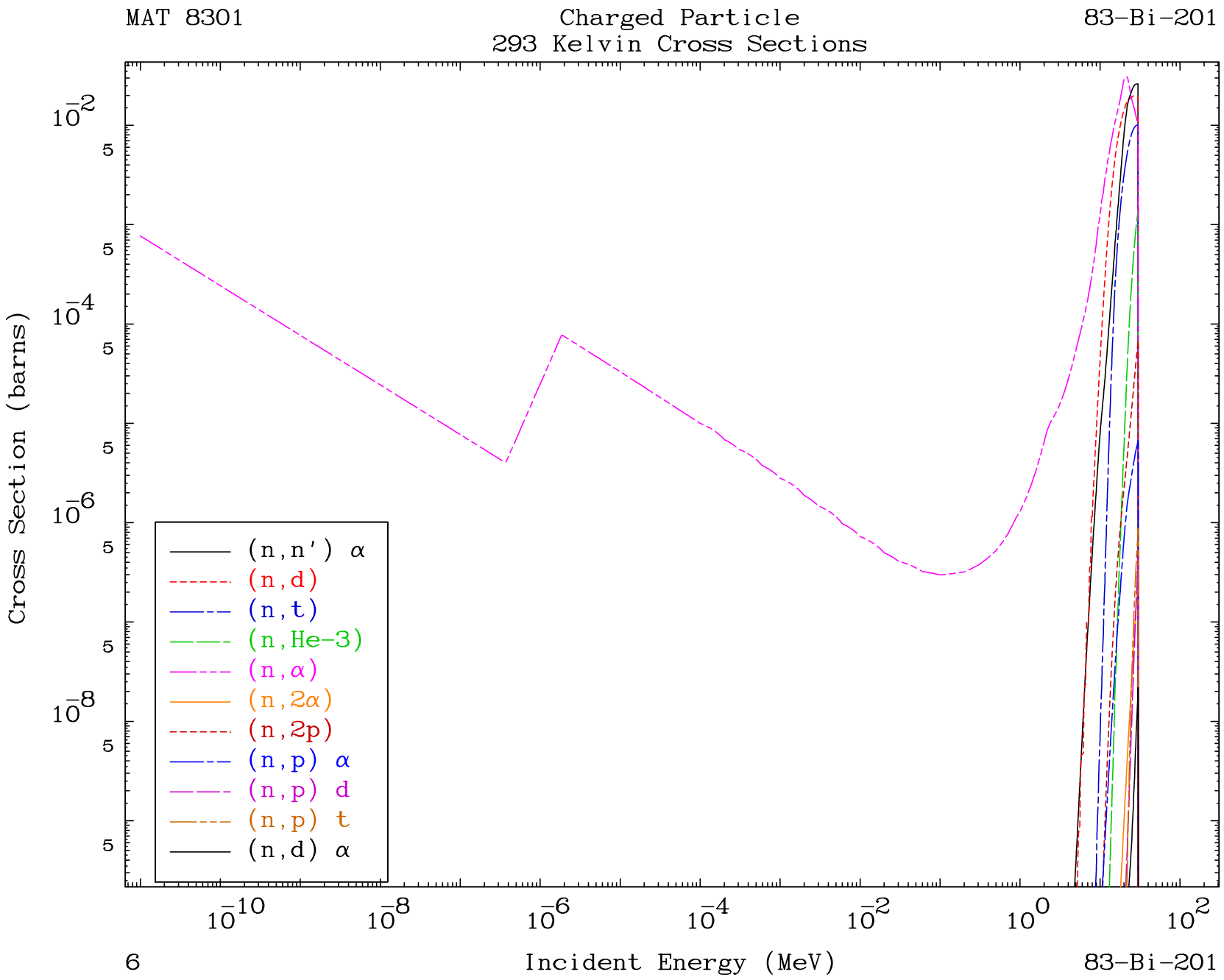

MAT 8301
Neutron Major
293 Kelvin Cross Sections
83-Bi-201
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
83-Bi-201

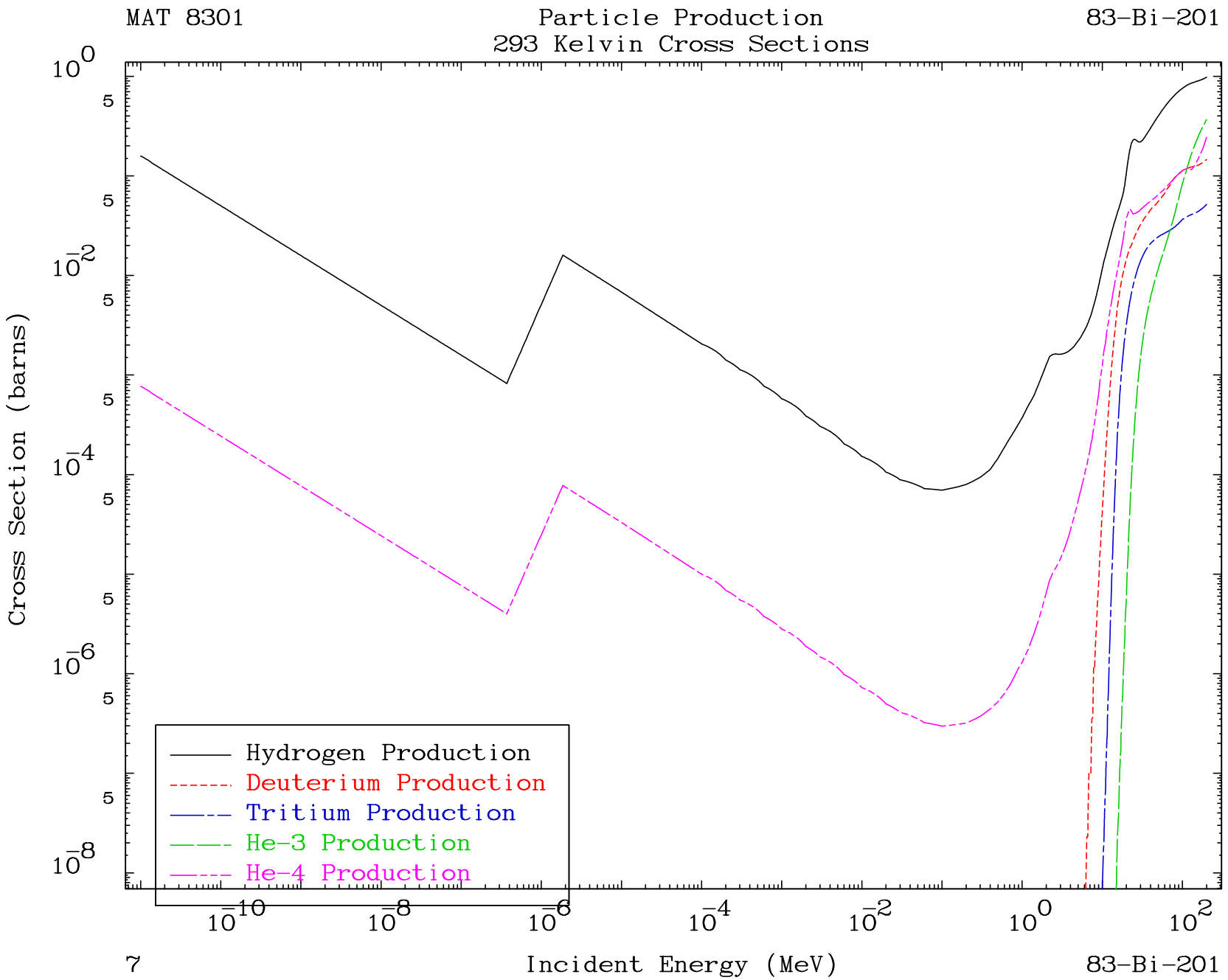

MAT 8301
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-201
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
2
83-Bi-201

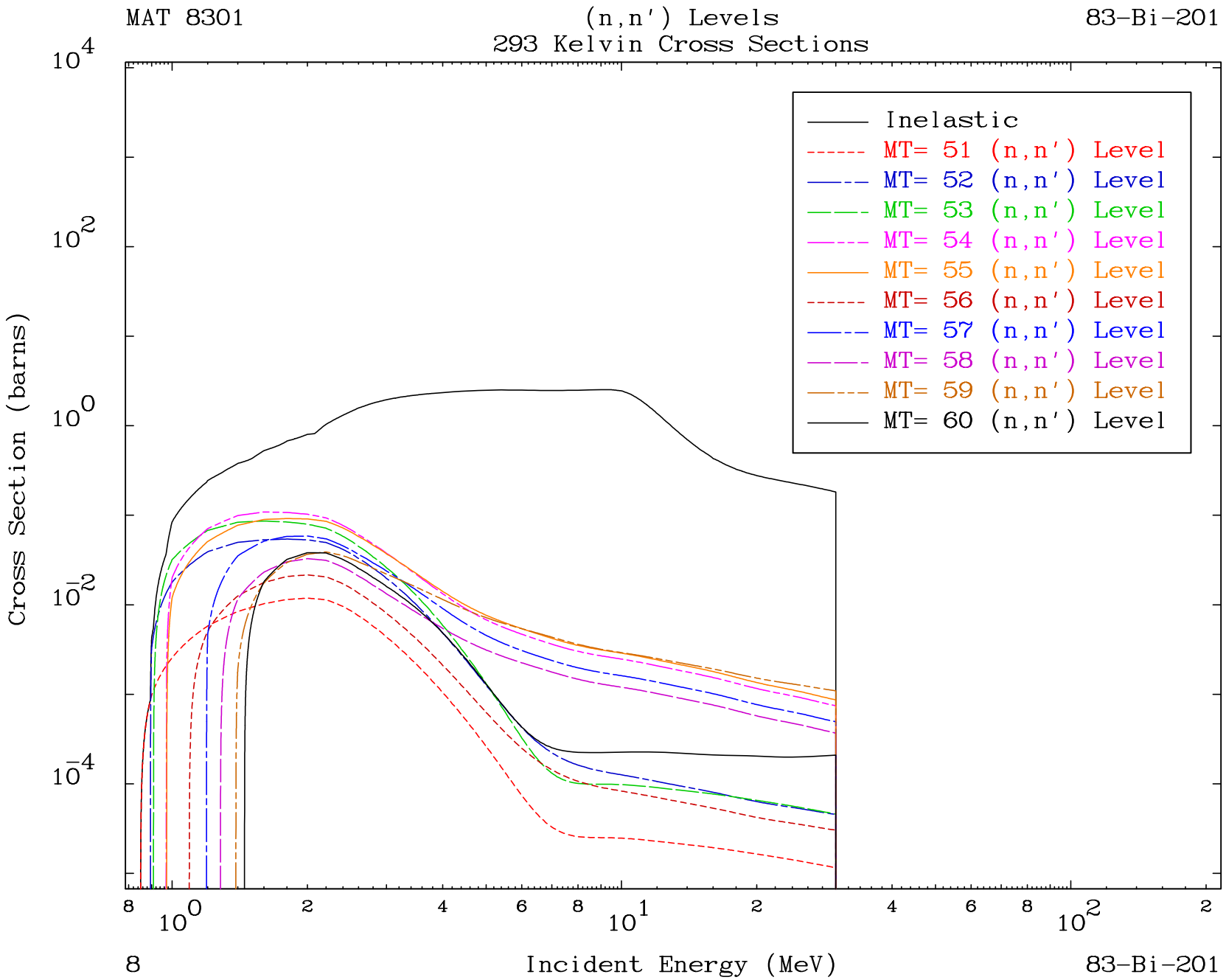

MAT 8301
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
83-Bi-201
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)

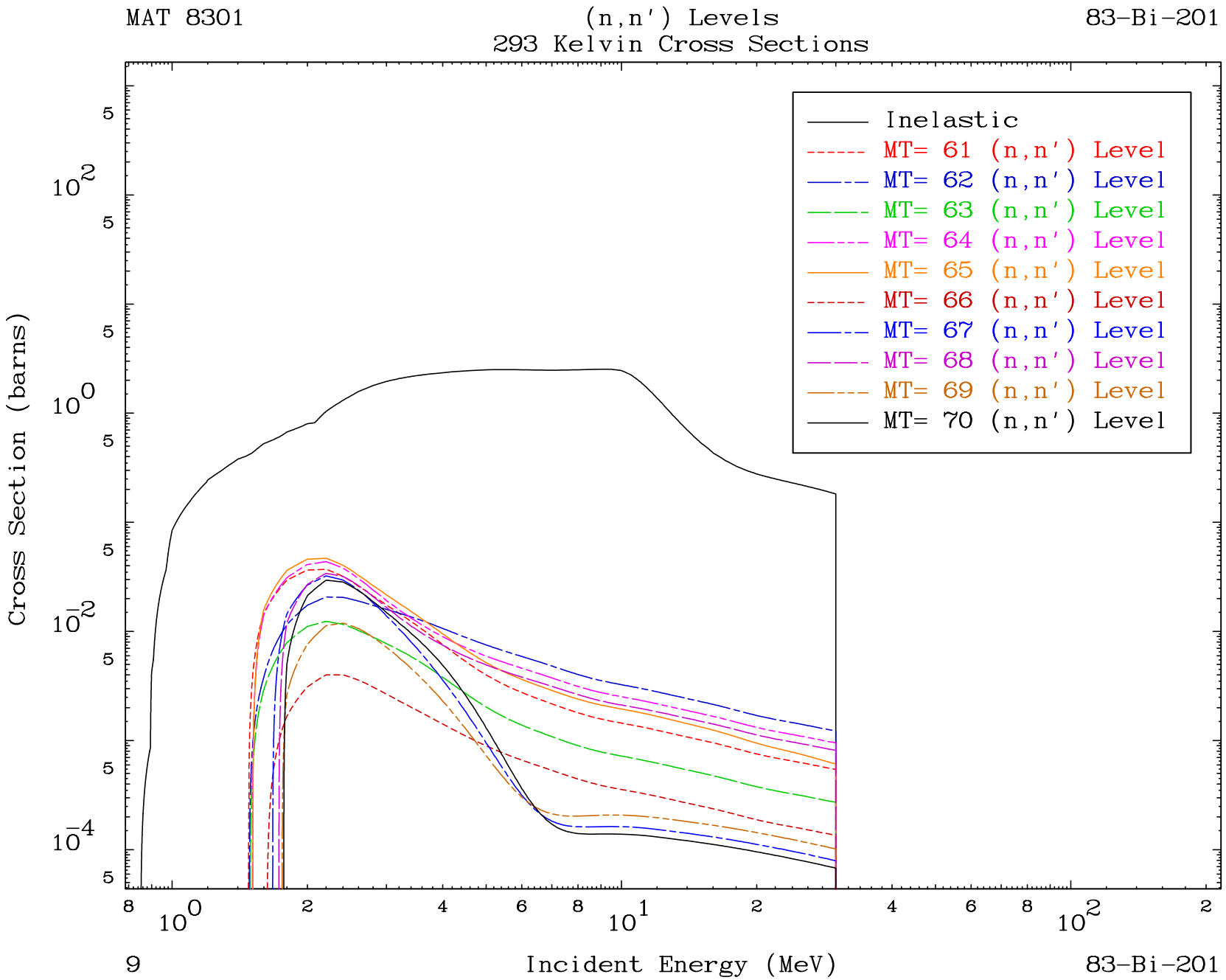

MAT 8301
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
83-Bi-201
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

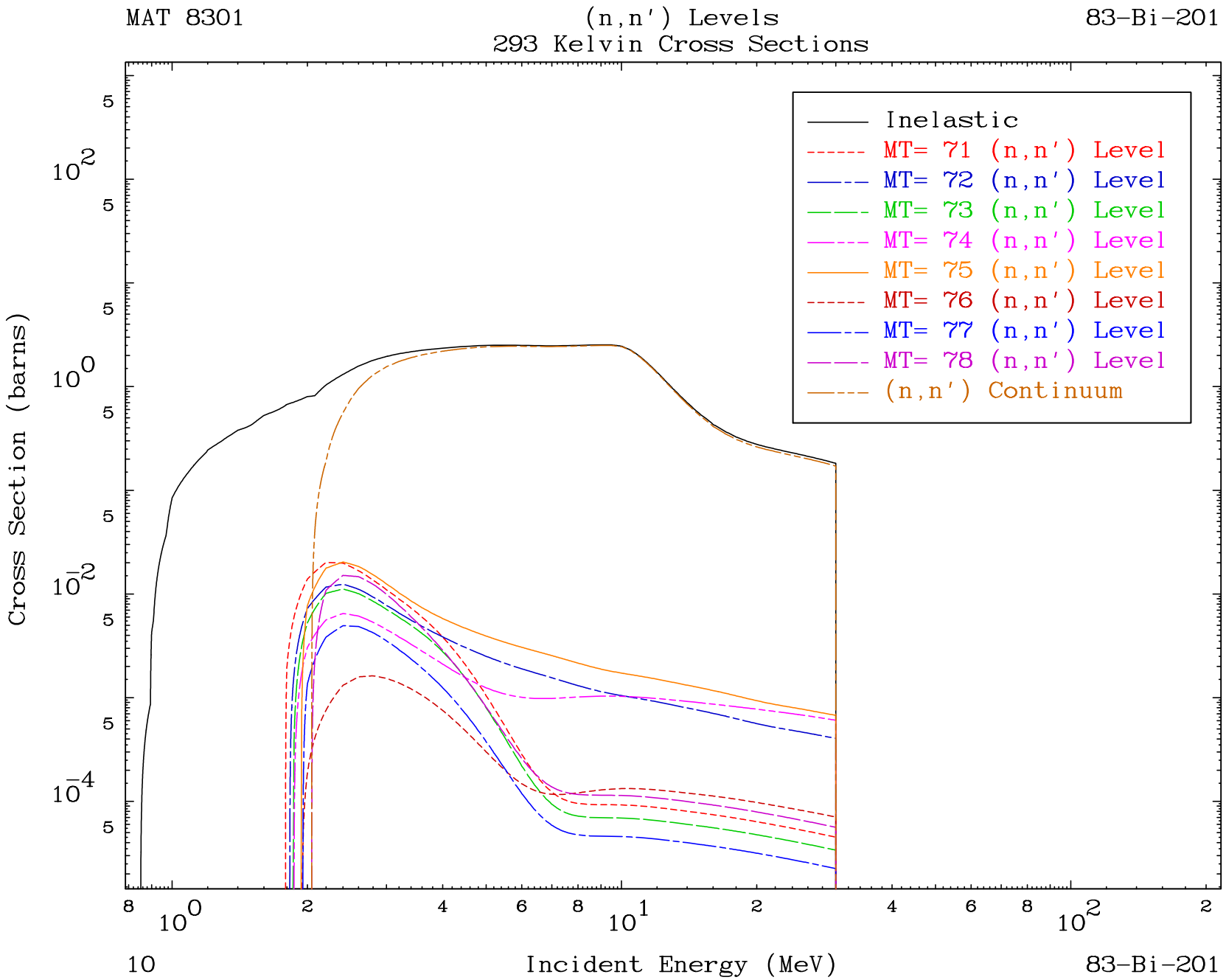

MAT 8301
Charged Particle
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
83-Bi-201
5
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

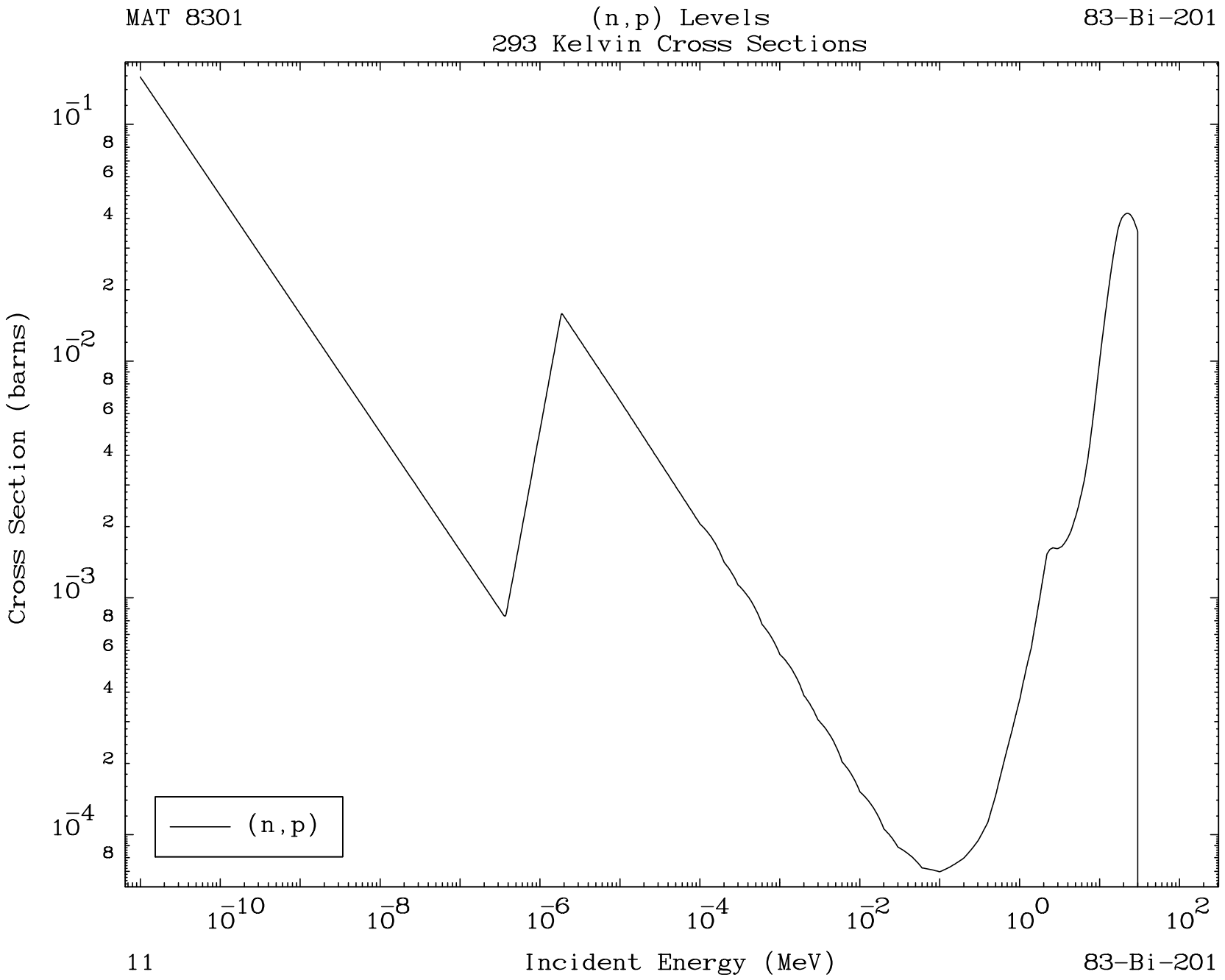

MAT 8301
Charged Particle
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6
83-Bi-201

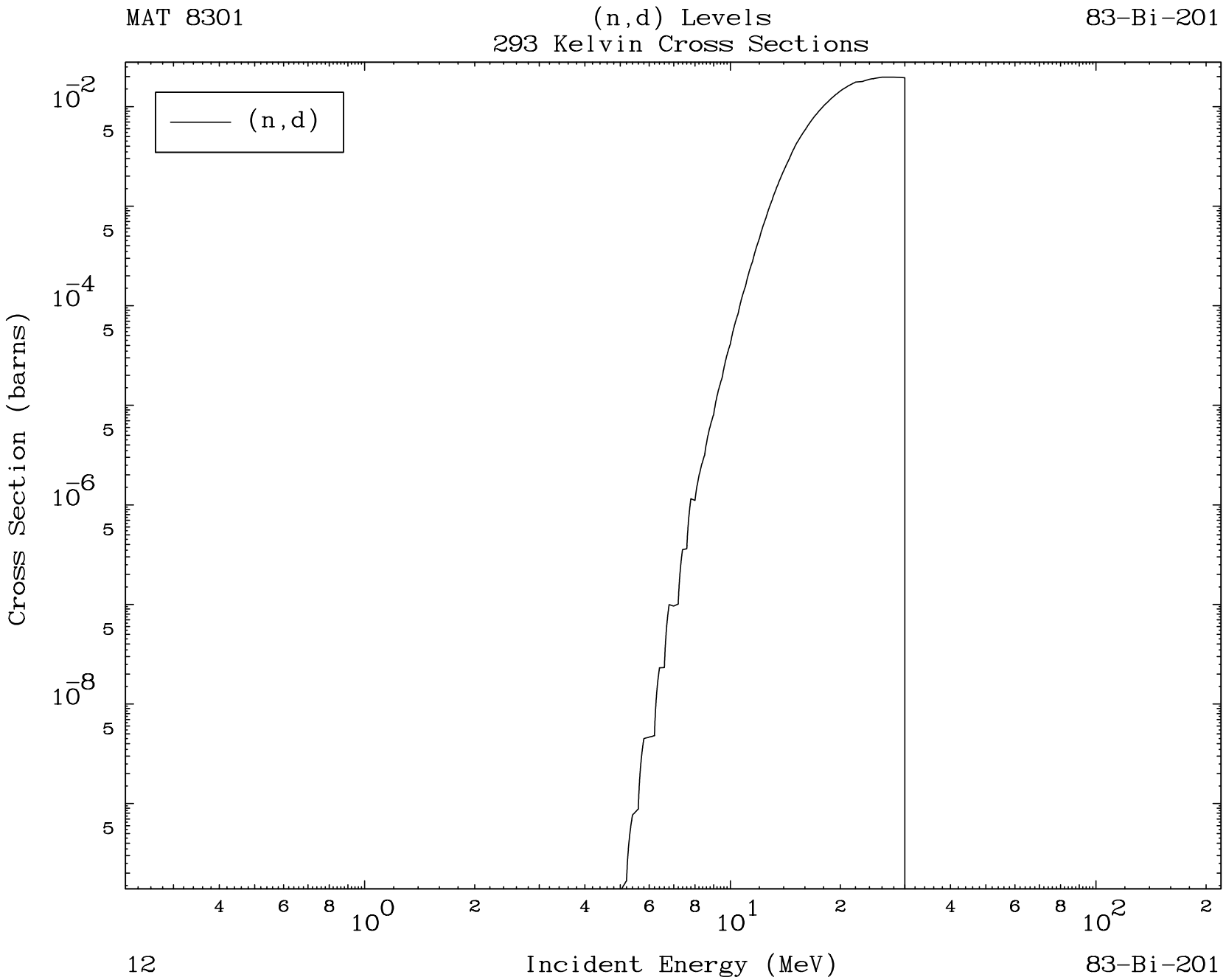

MAT 8301
Particle Production
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
83-Bi-201

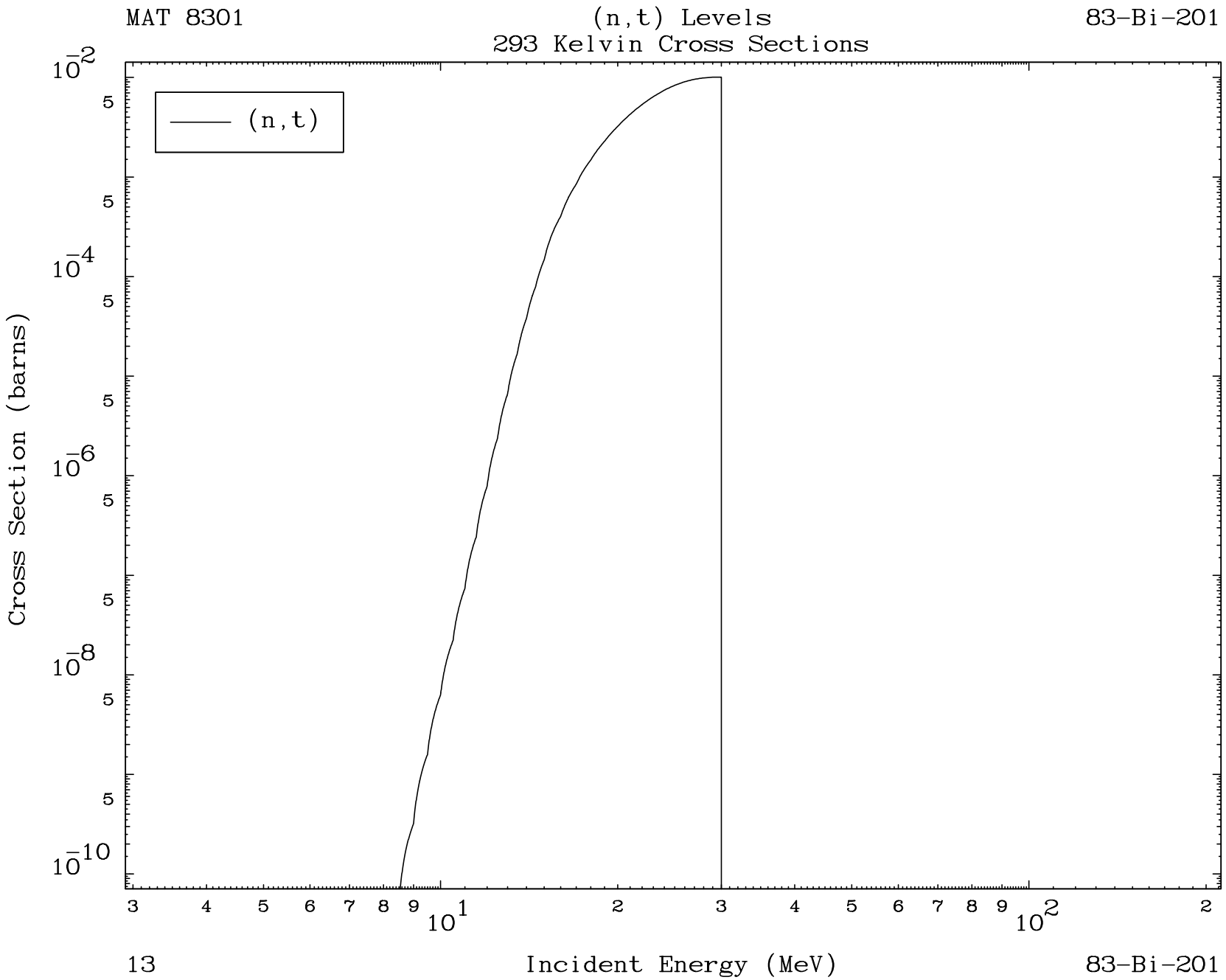

MAT 8301
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level

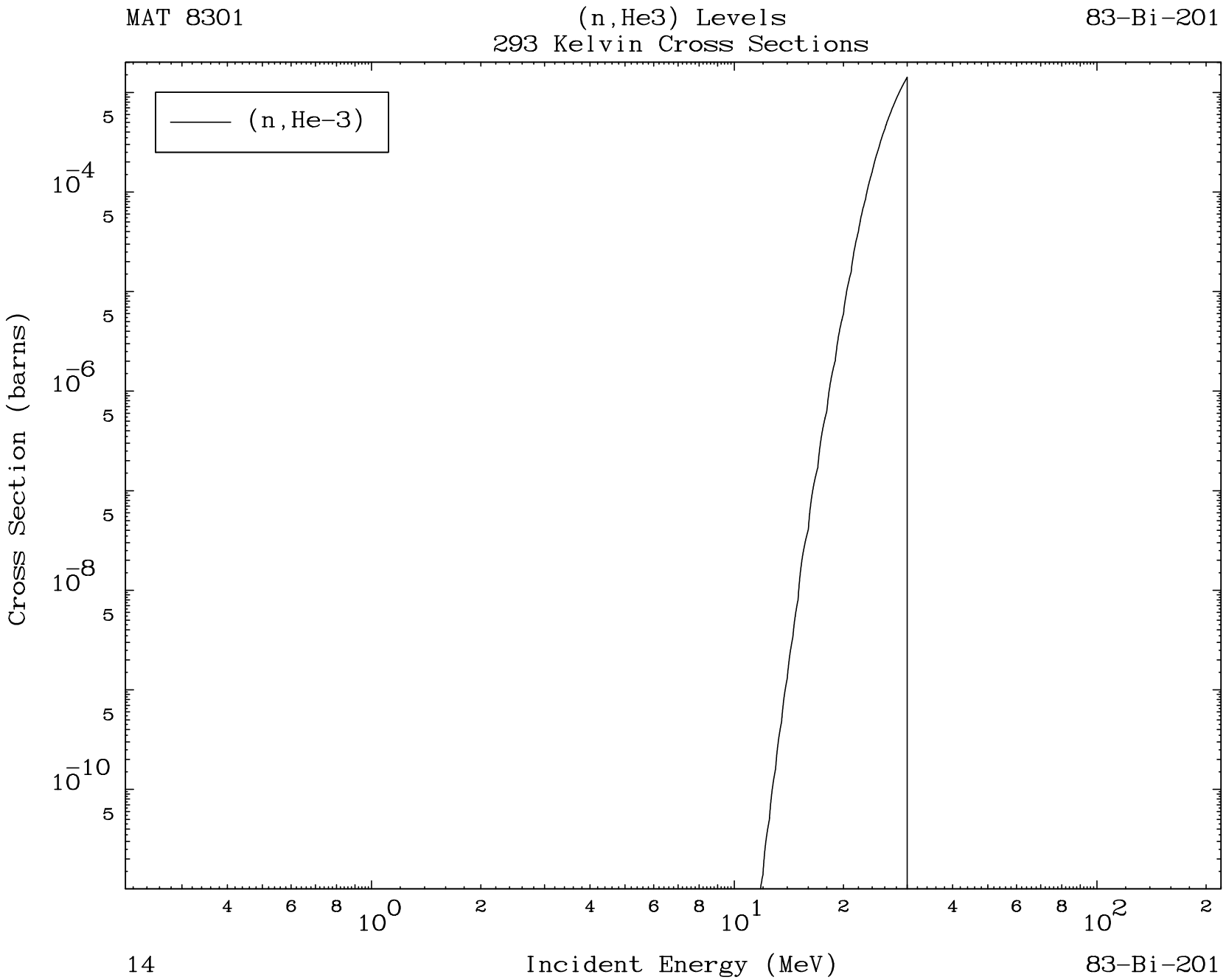

MAT 8301
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-201
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-201

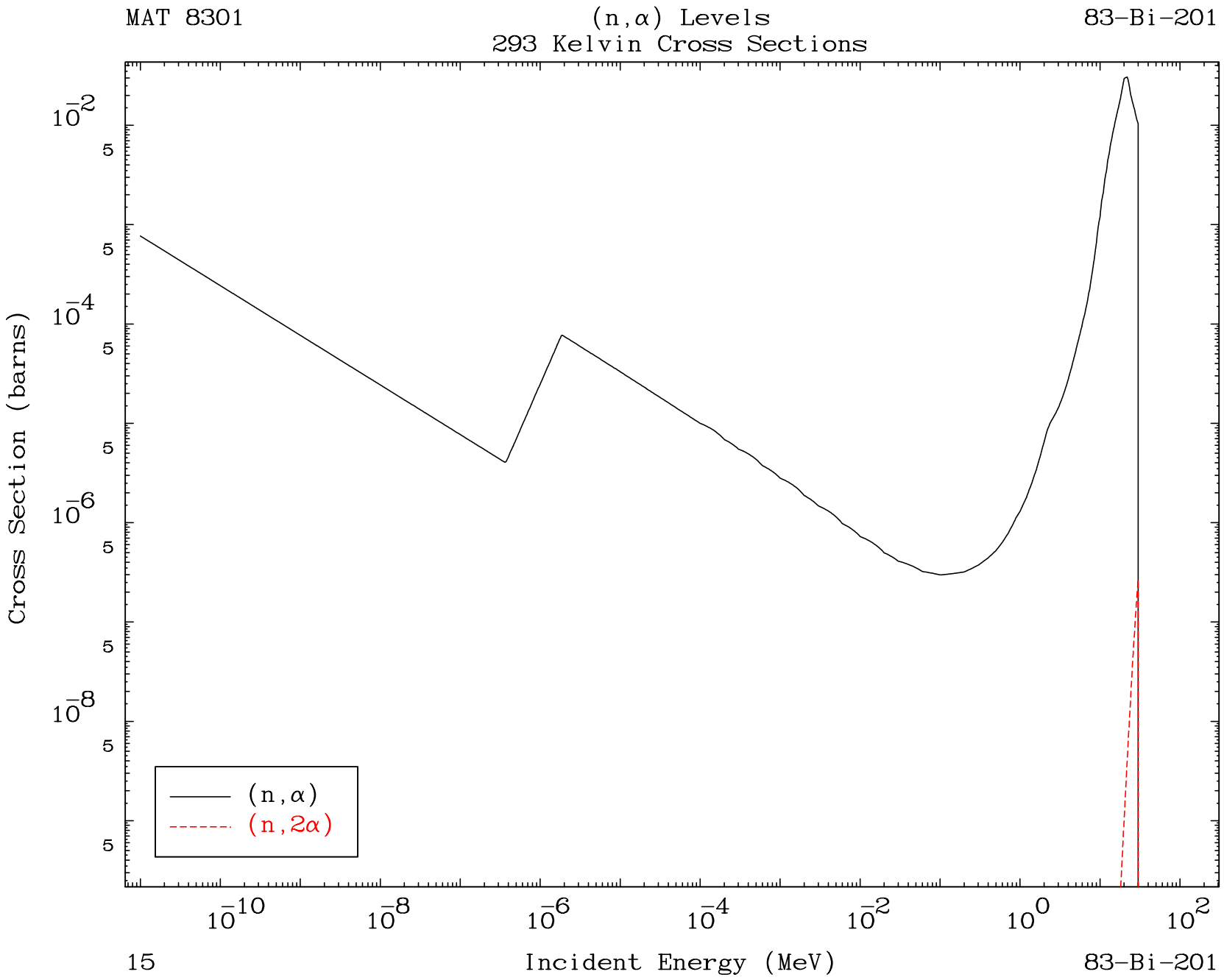

MAT 8301
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-201
Inelastic
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
83-Bi-201

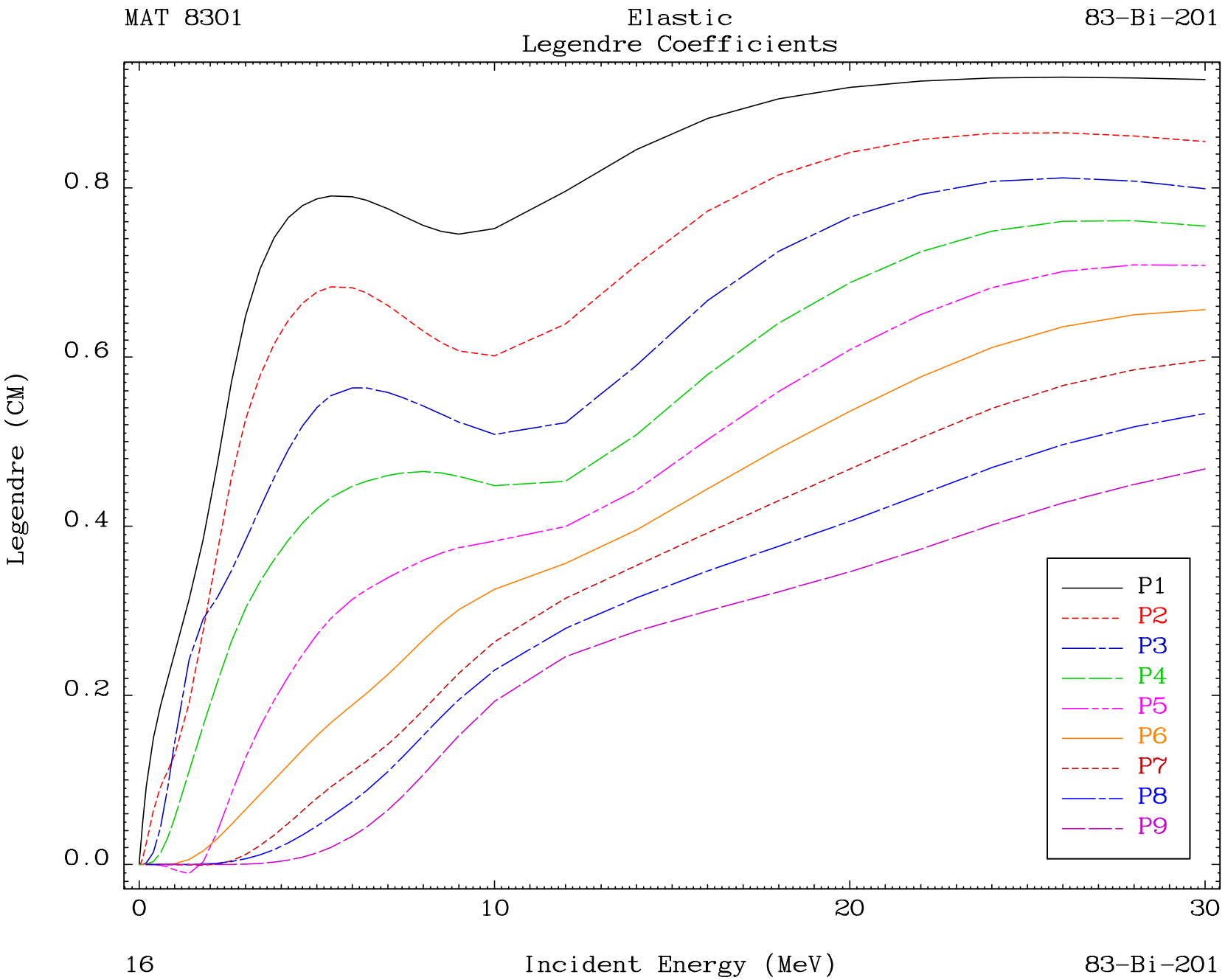

MAT 8301
(n,p) Levels
83-Bi-201
293 Kelvin Cross Sections
Cross Section (barns)
10^-1
8
6
4
2
10^-2
8
6
4
2
10^-3
8
6
4
2
10^-4
8
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
83-Bi-201

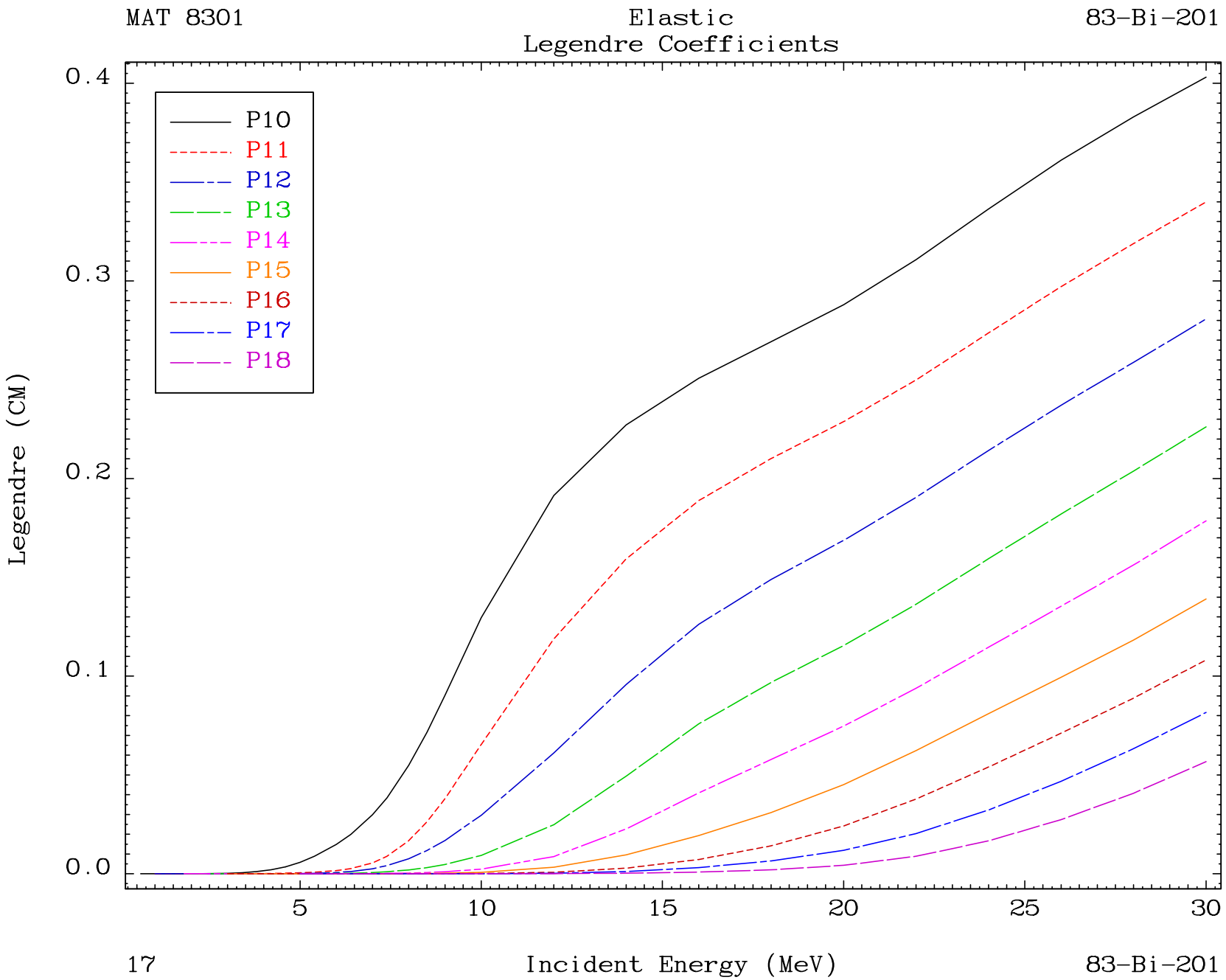

MAT 8301
(n,d) Levels
83-Bi-201
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-201

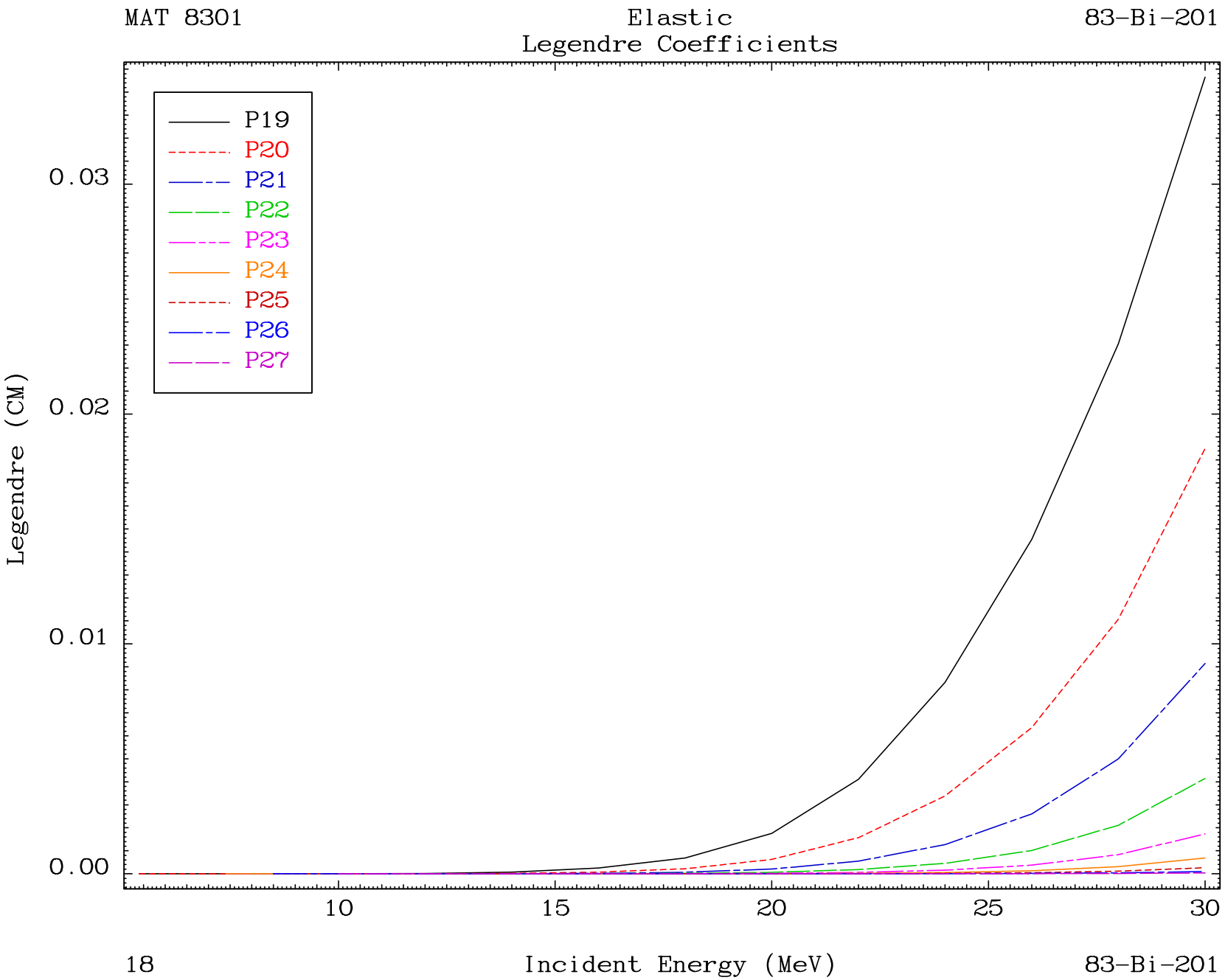

MAT 8301
(n,t) Levels
83-Bi-201
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-201

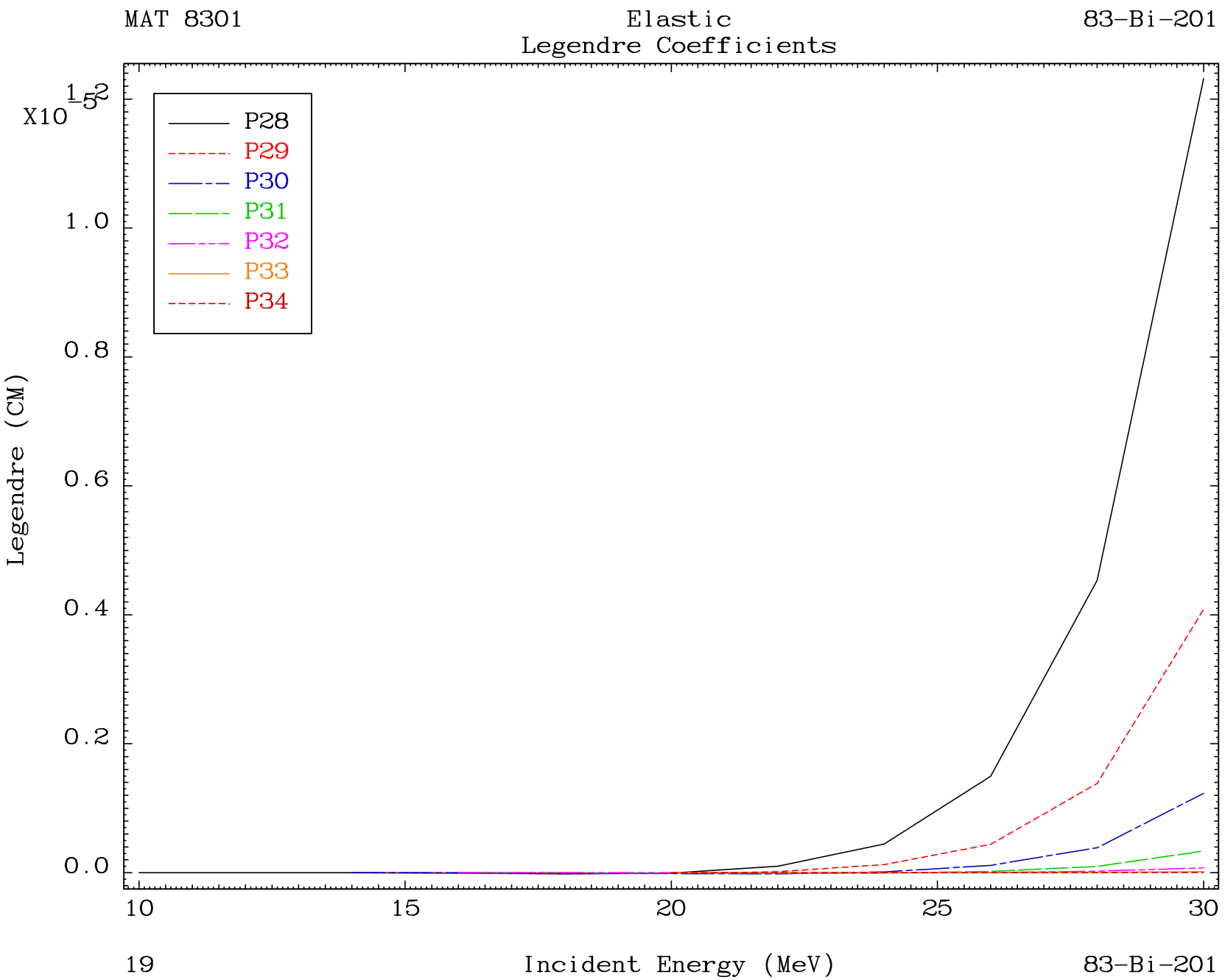

MAT 8301
(n,He3) Levels
83-Bi-201
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
14
83-Bi-201

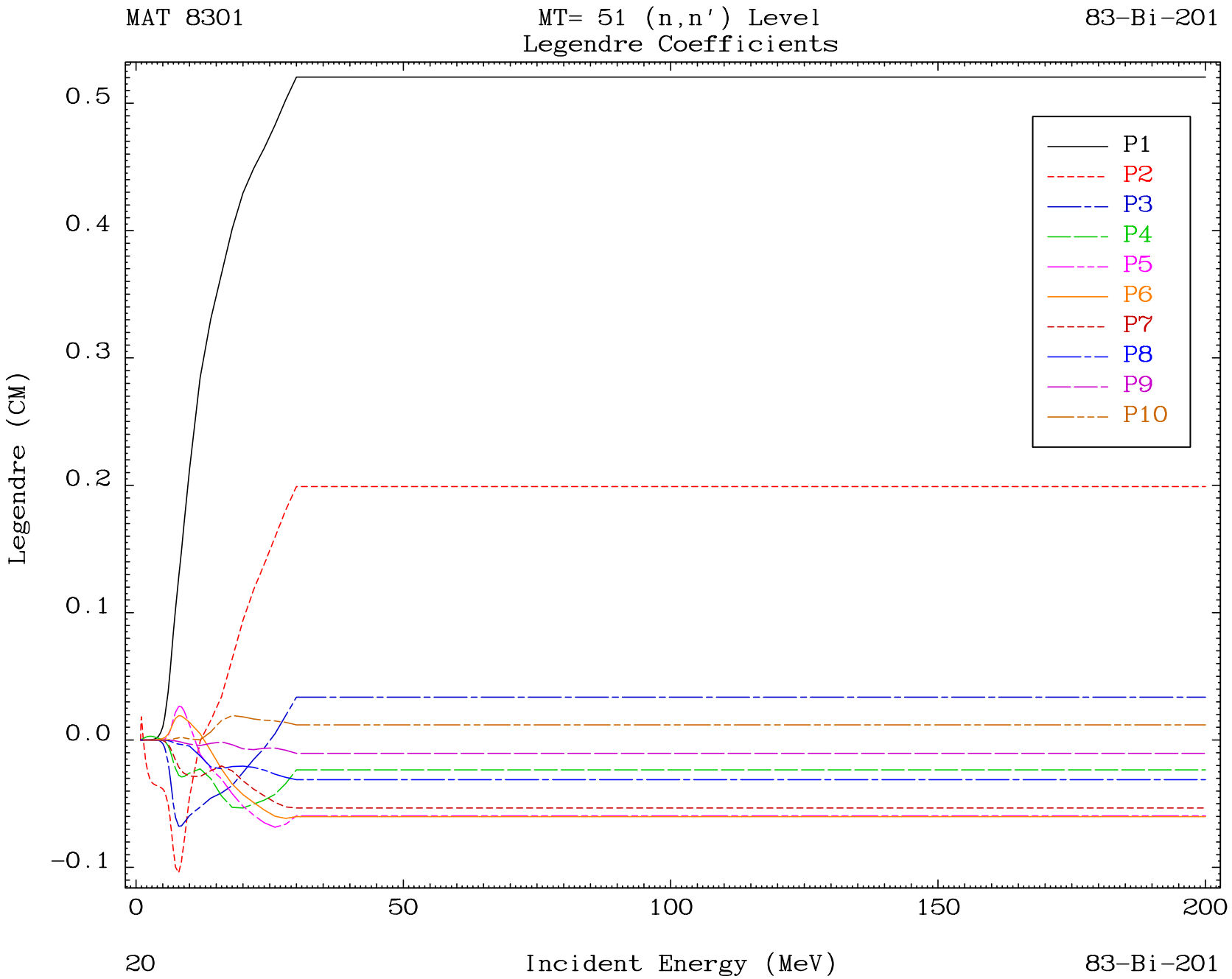

MAT 8301
(n,α) Levels
293 Kelvin Cross Sections
83-Bi-201
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
15
Incident Energy (MeV)
83-Bi-201

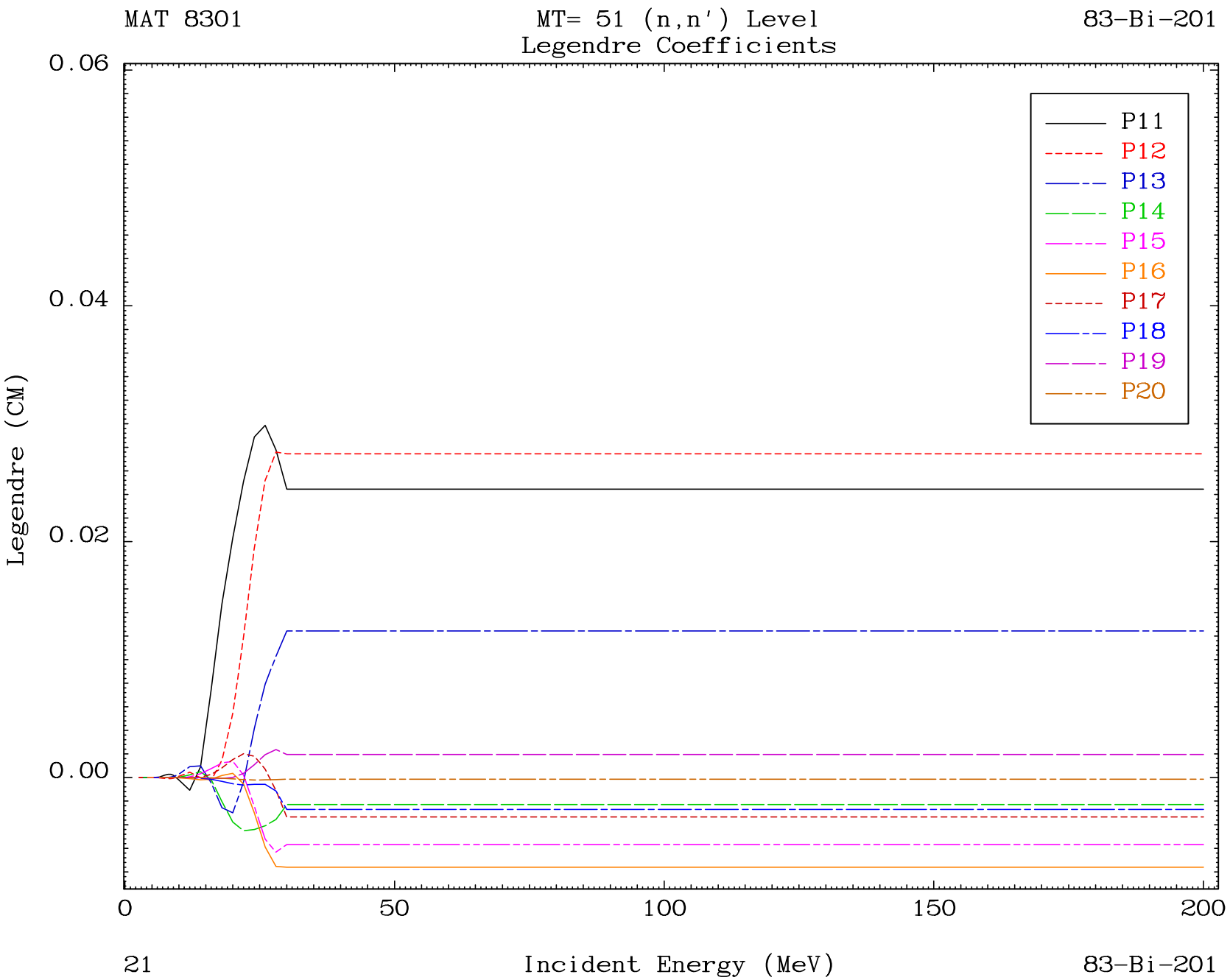

MAT 8301
Elastic
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9

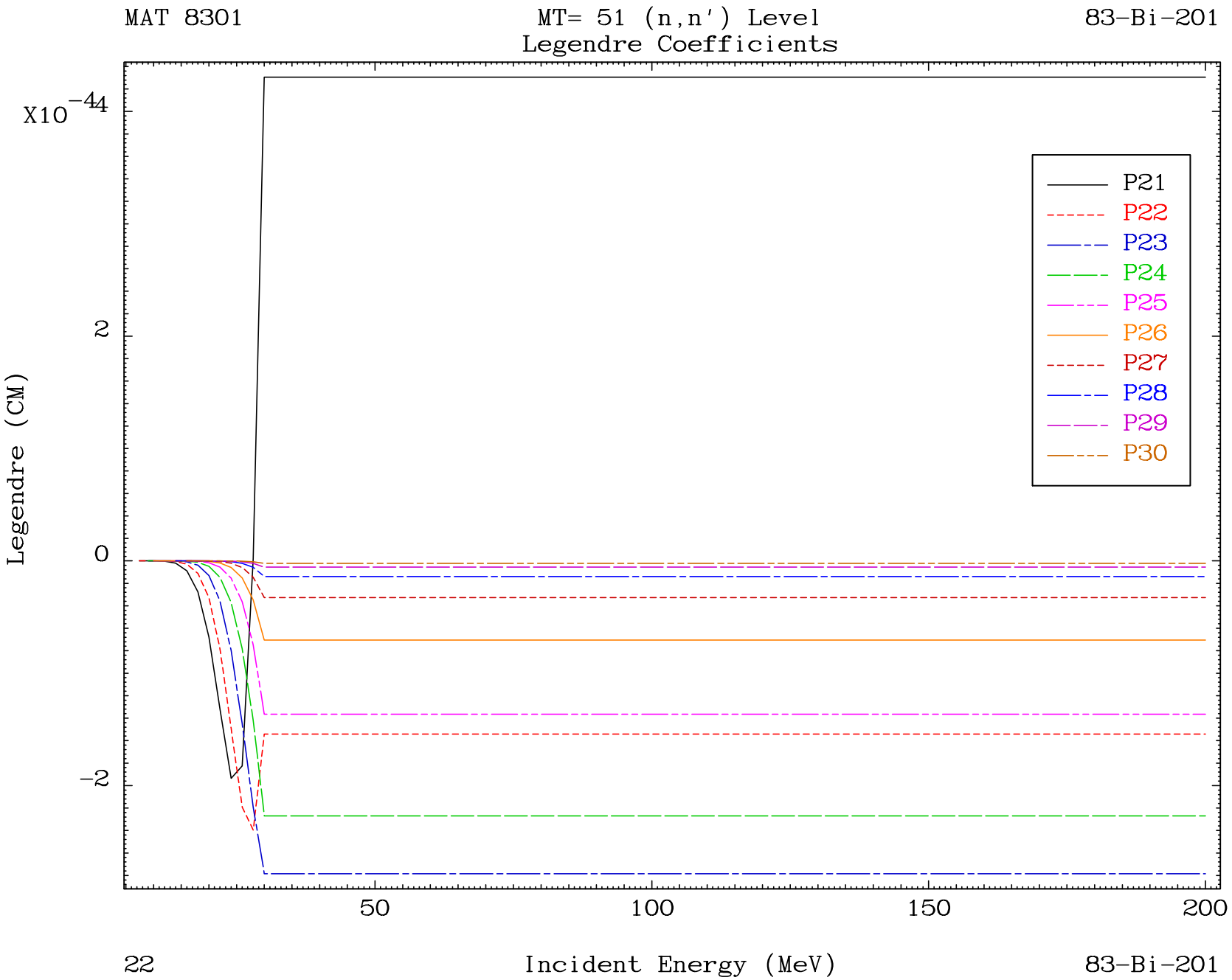

MAT 8301
Elastic
Legendre Coefficients
83-Bi-201
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
5
10
15
20
25
30
17
Incident Energy (MeV)
83-Bi-201

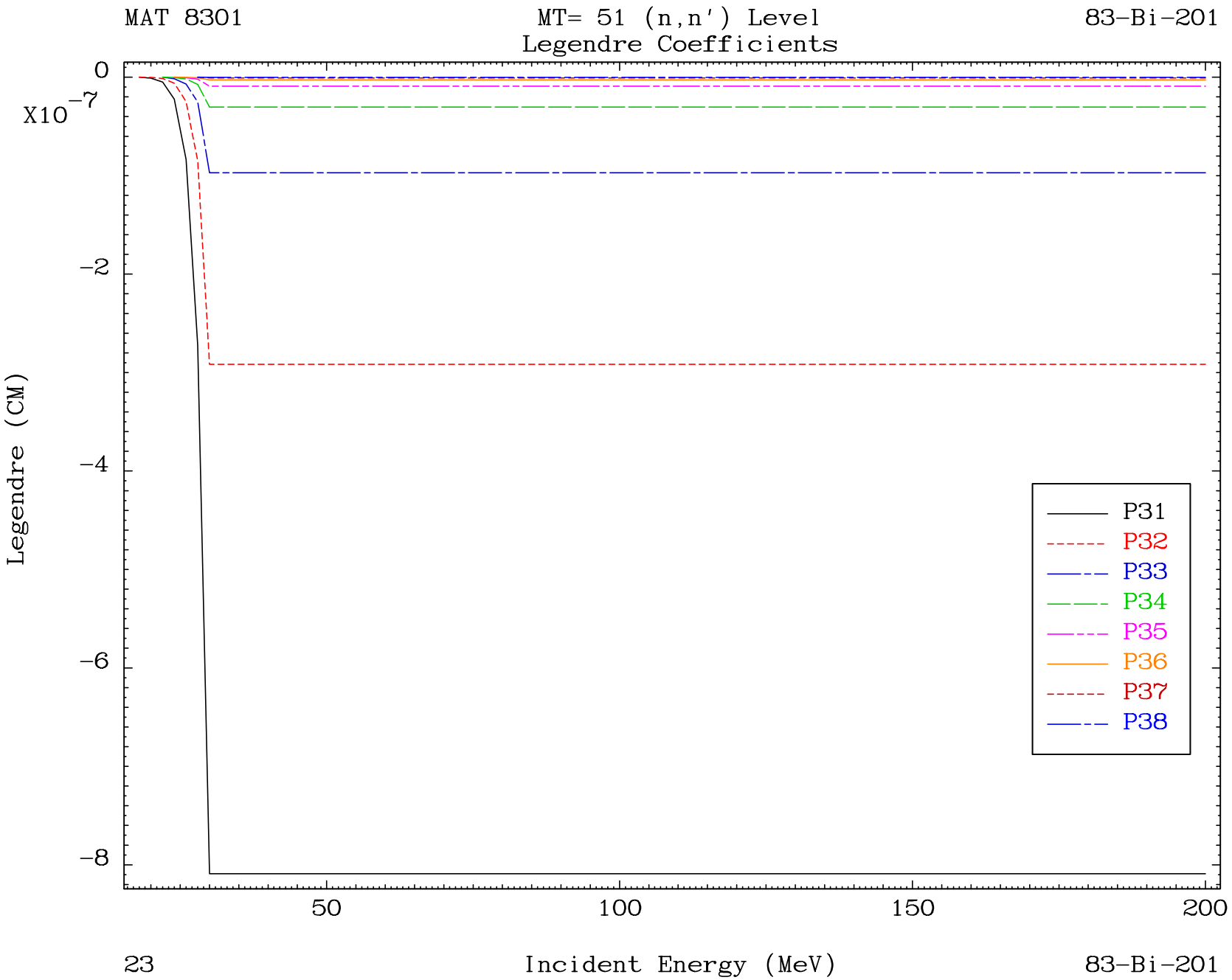

MAT 8301
Elastic
Legendre Coefficients
83-Bi-201
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
0.03
0.02
0.01
0.00
10
15
20
25
30
18
Incident Energy (MeV)
83-Bi-201

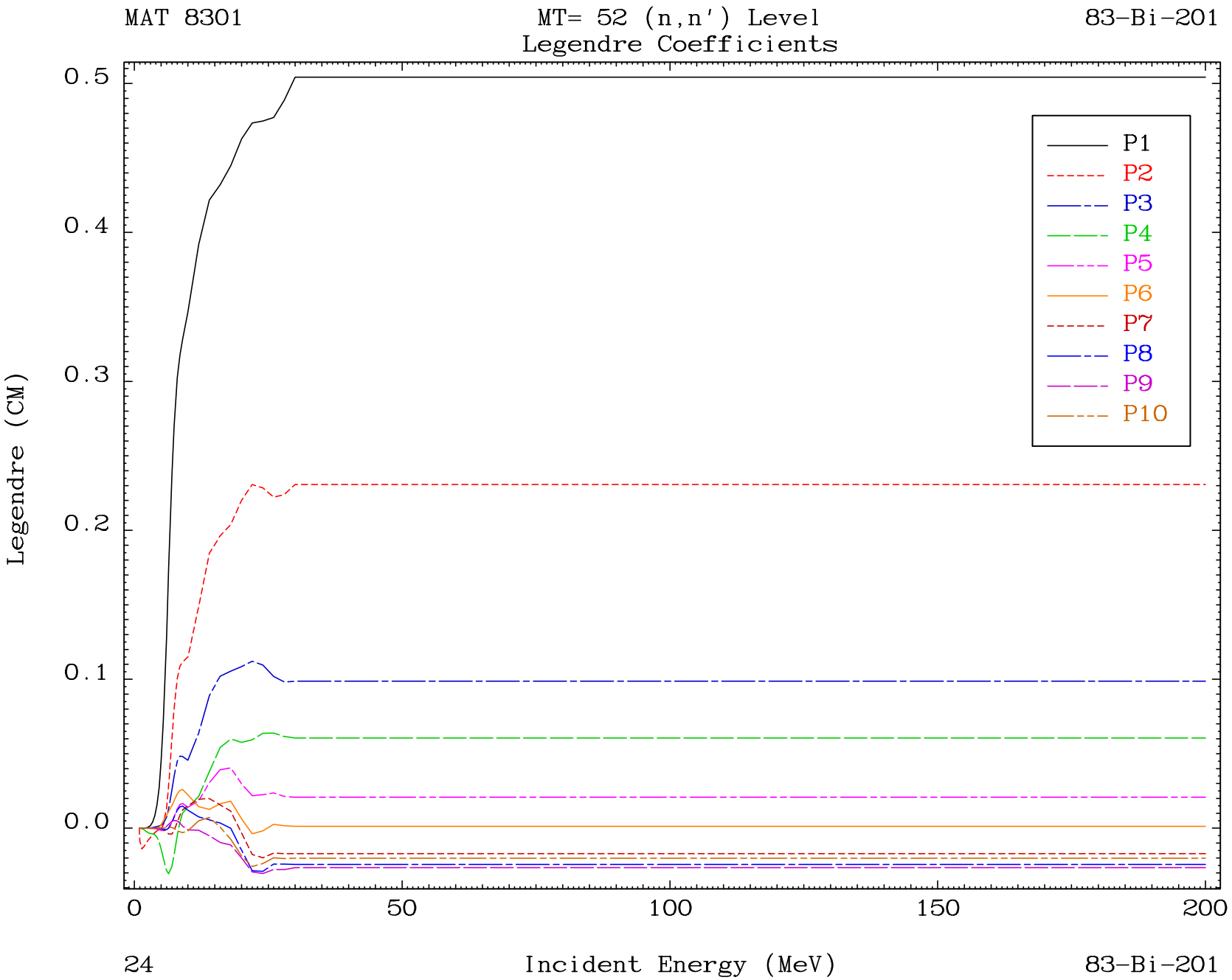

MAT 8301
Elastic
Legendre Coefficients
83-Bi-201
X10-2
1.5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
19
Incident Energy (MeV)
83-Bi-201

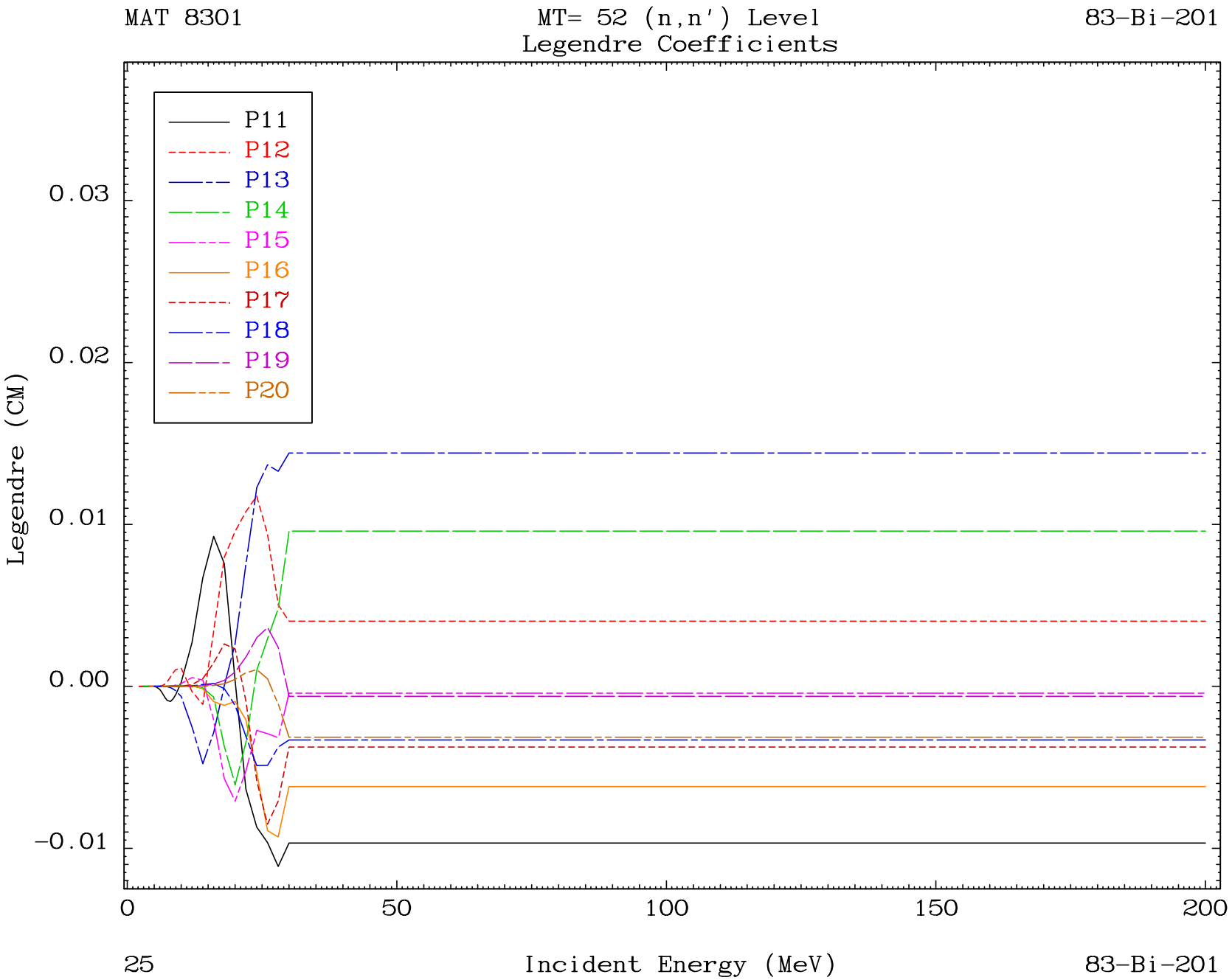

MAT 8301
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
20
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

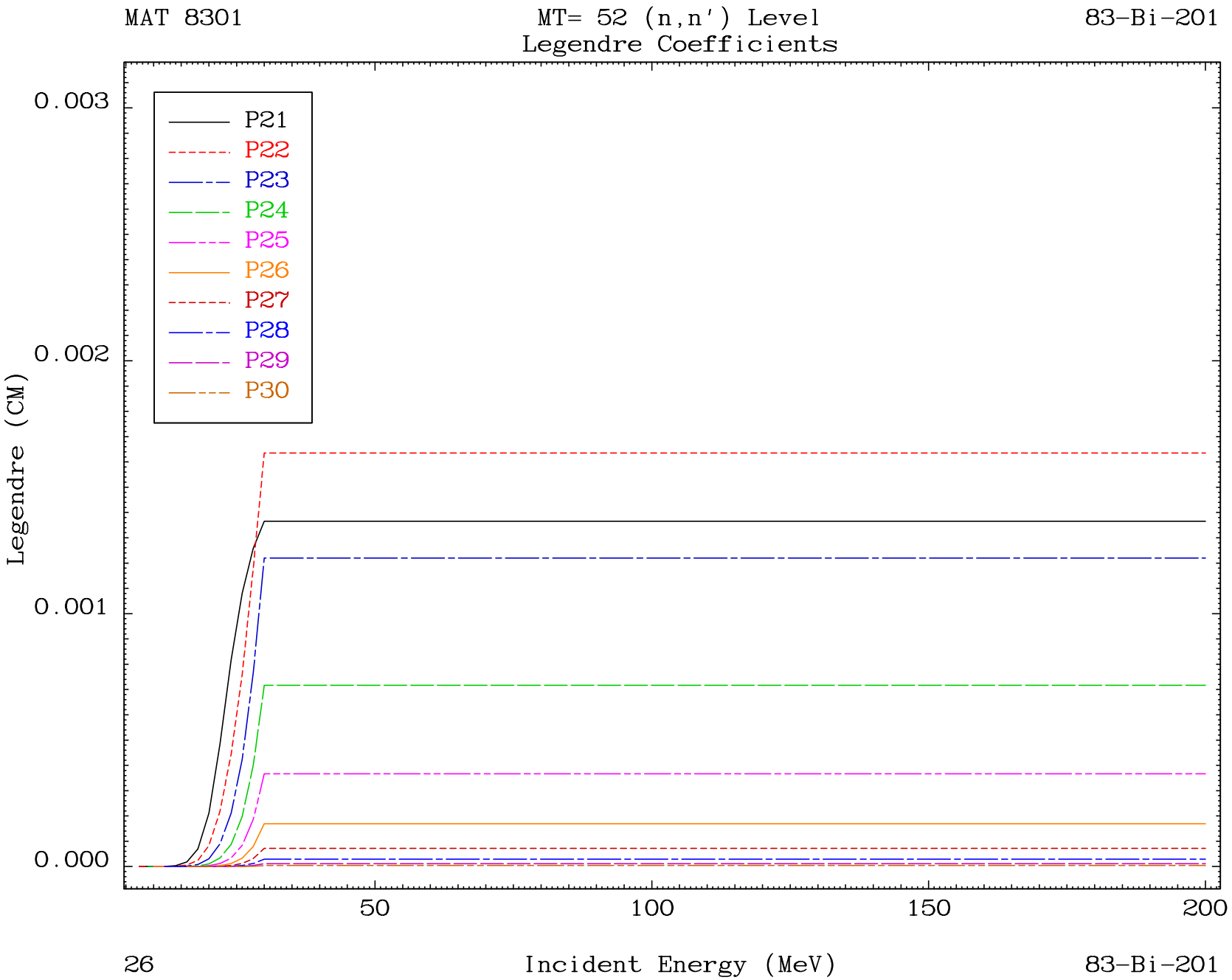

MAT 8301
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
21
Incident Energy (MeV)
83-Bi-201

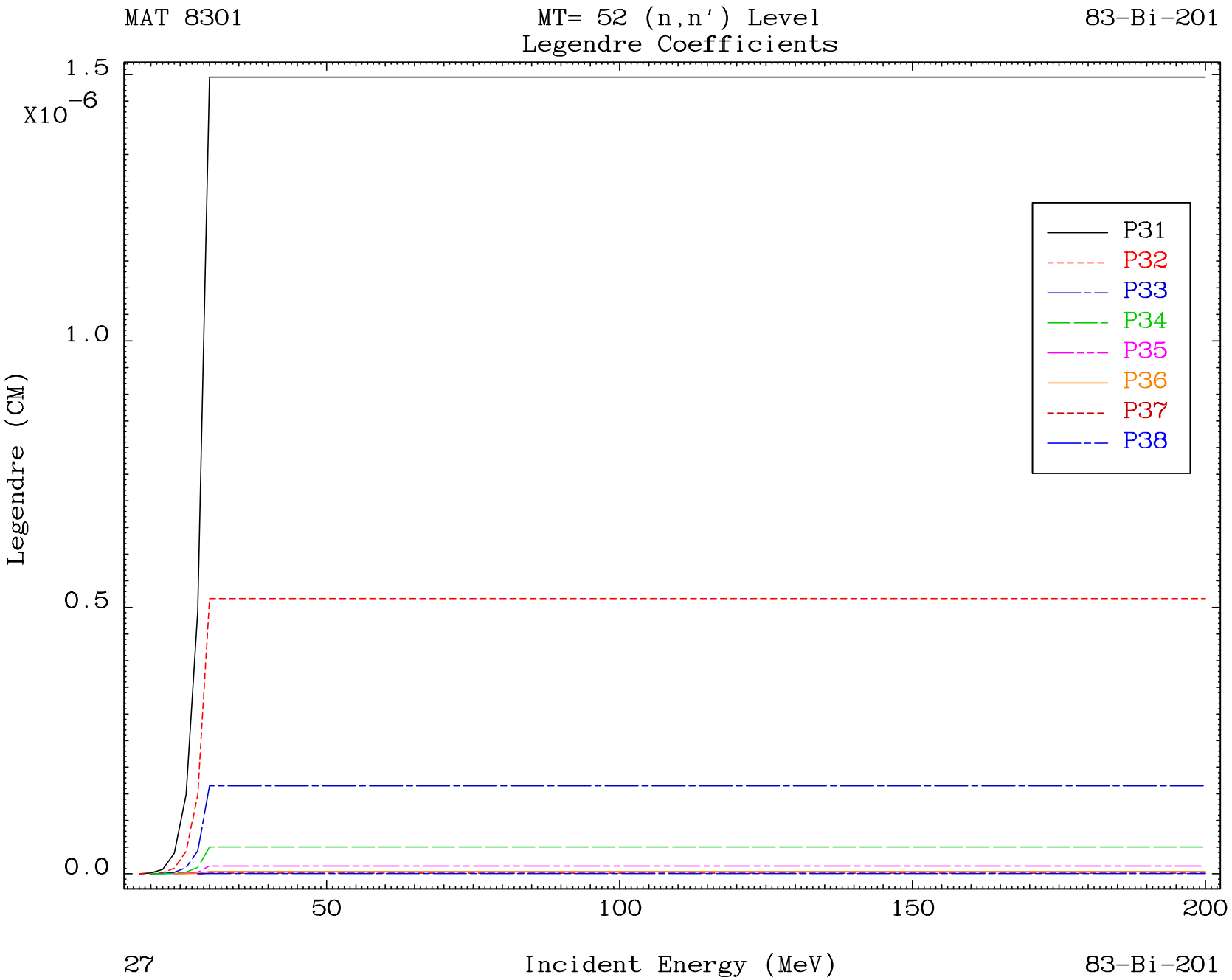

MAT 8301
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
22
Incident Energy (MeV)
83-Bi-201

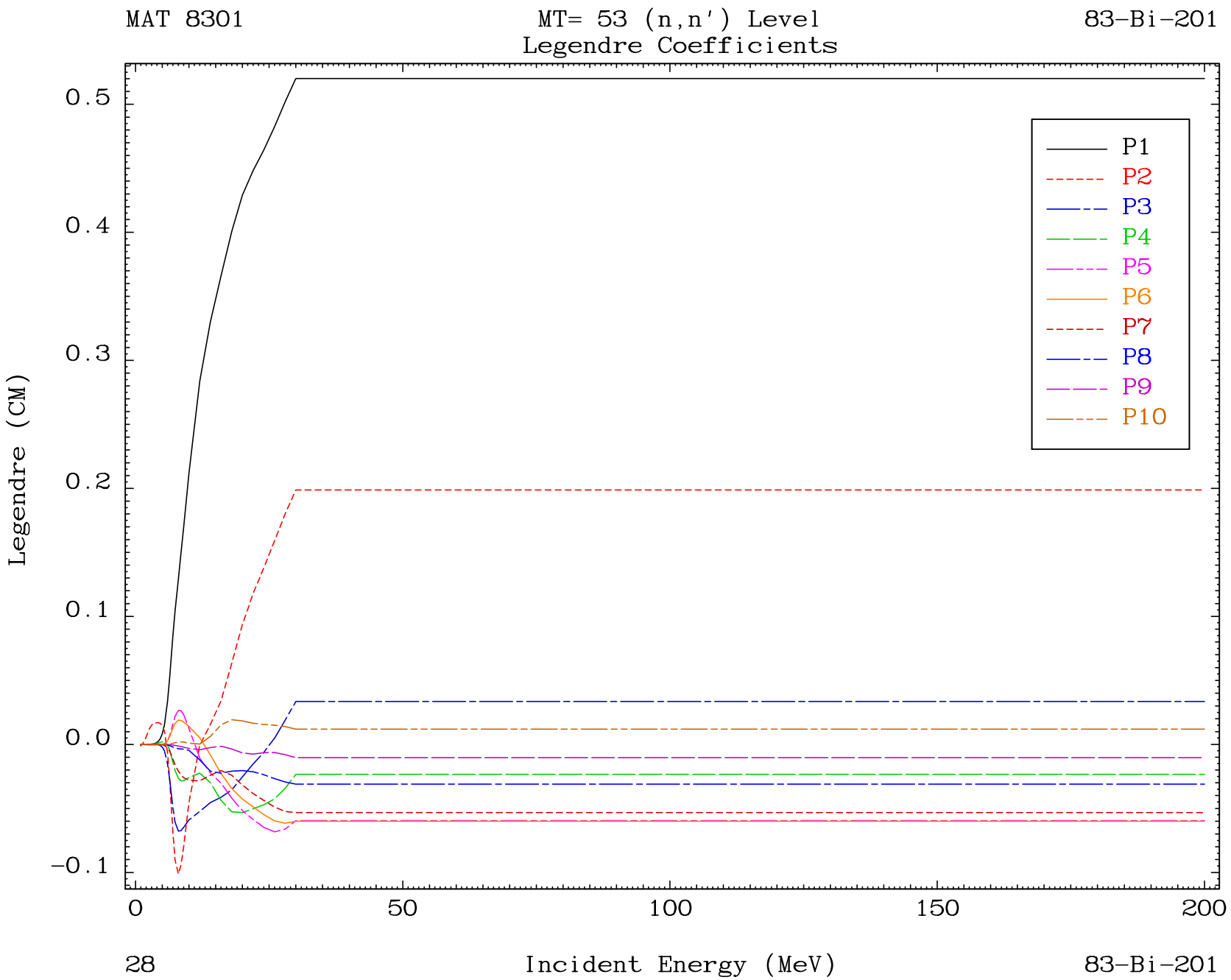

MAT 8301
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
23
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

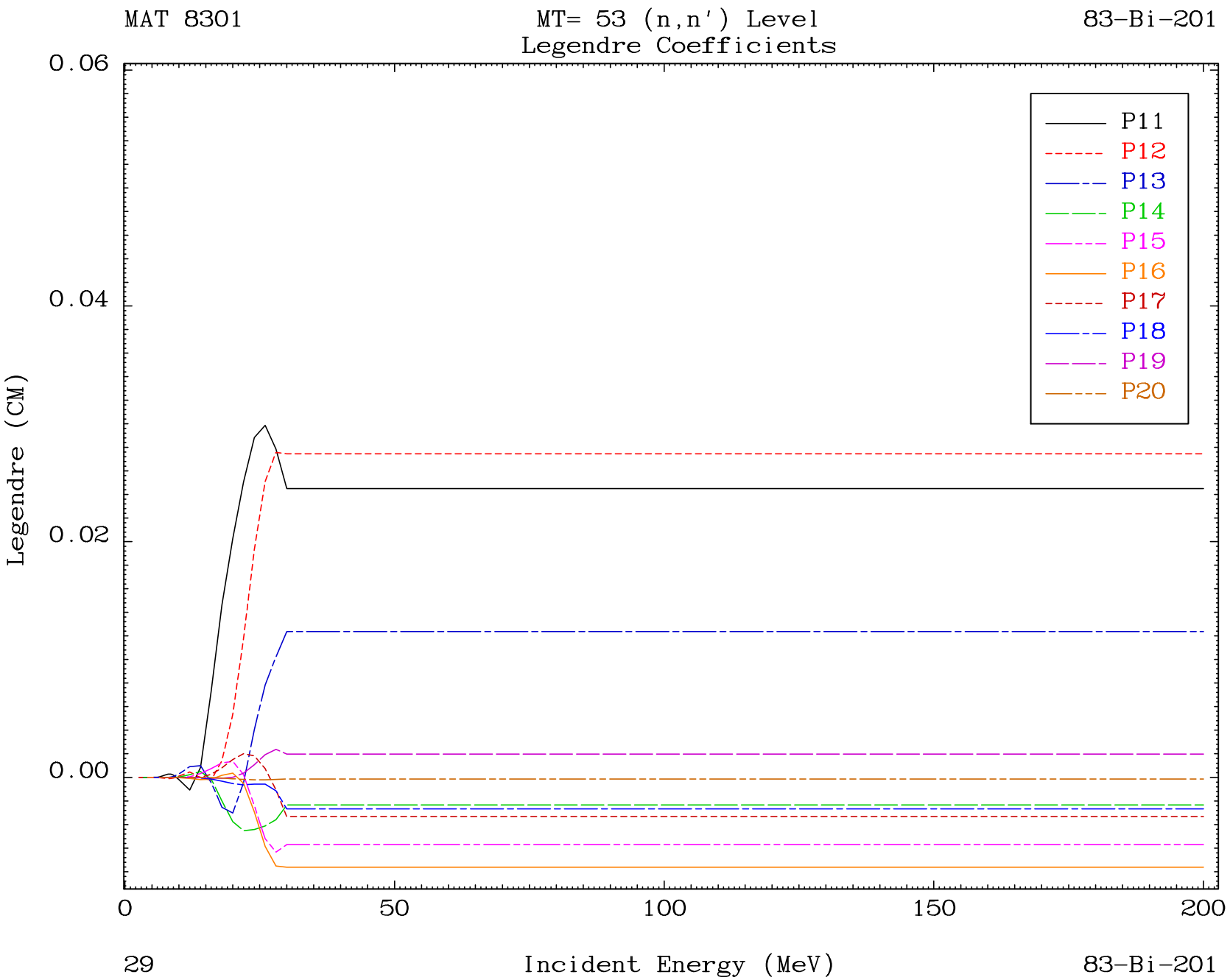

MAT 8301
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
24
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

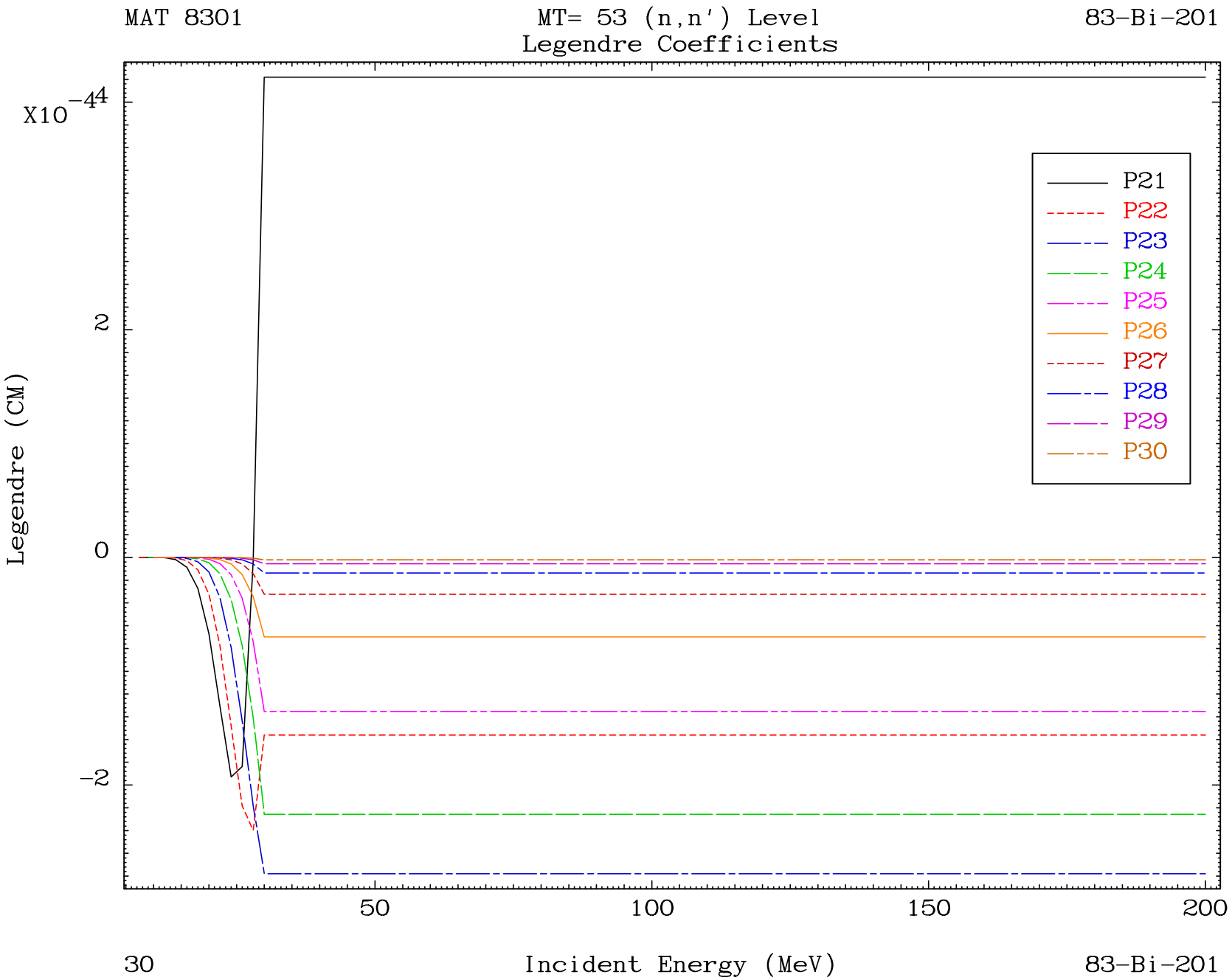

MAT 8301
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
83-Bi-201

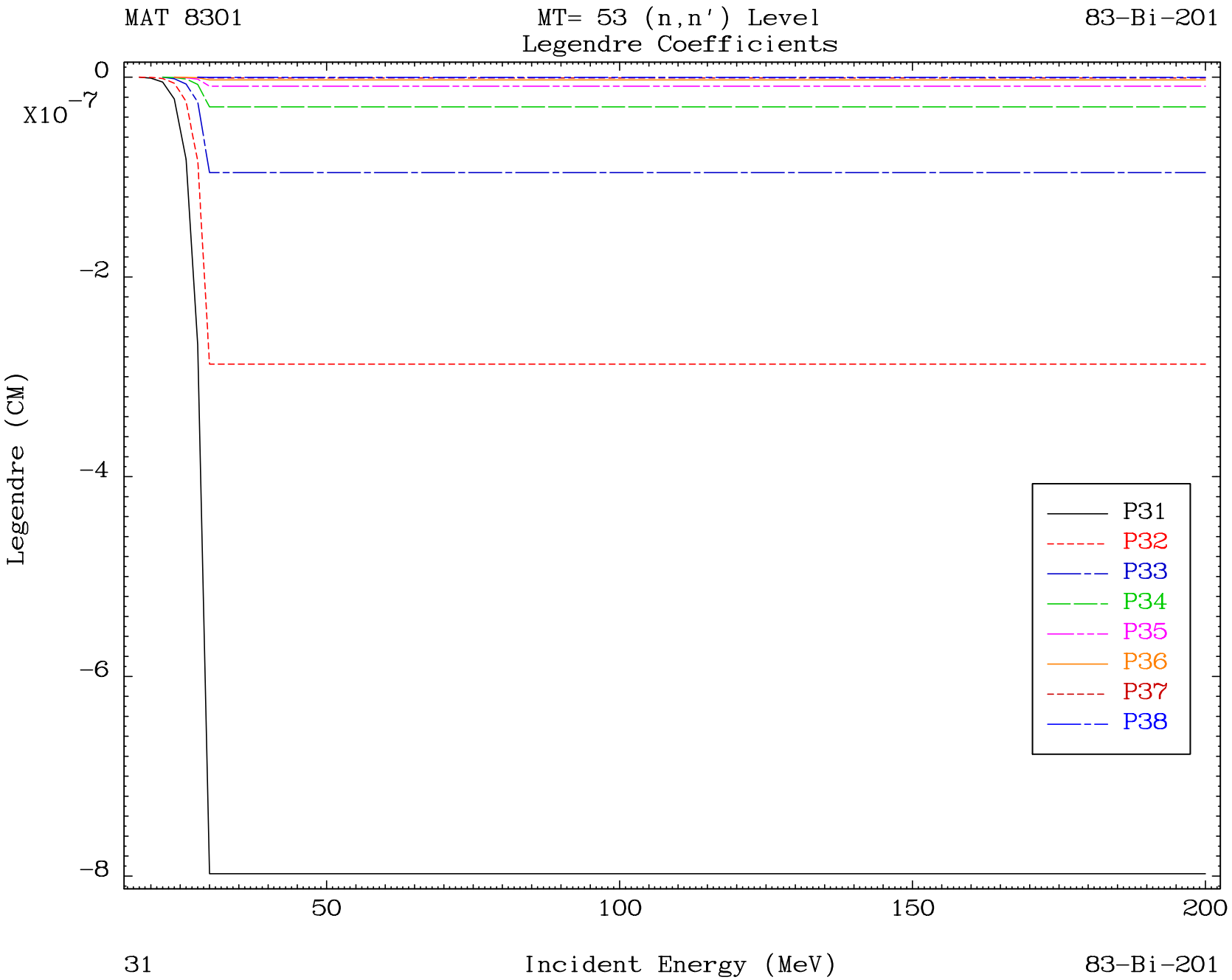

MAT 8301
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
83-Bi-201

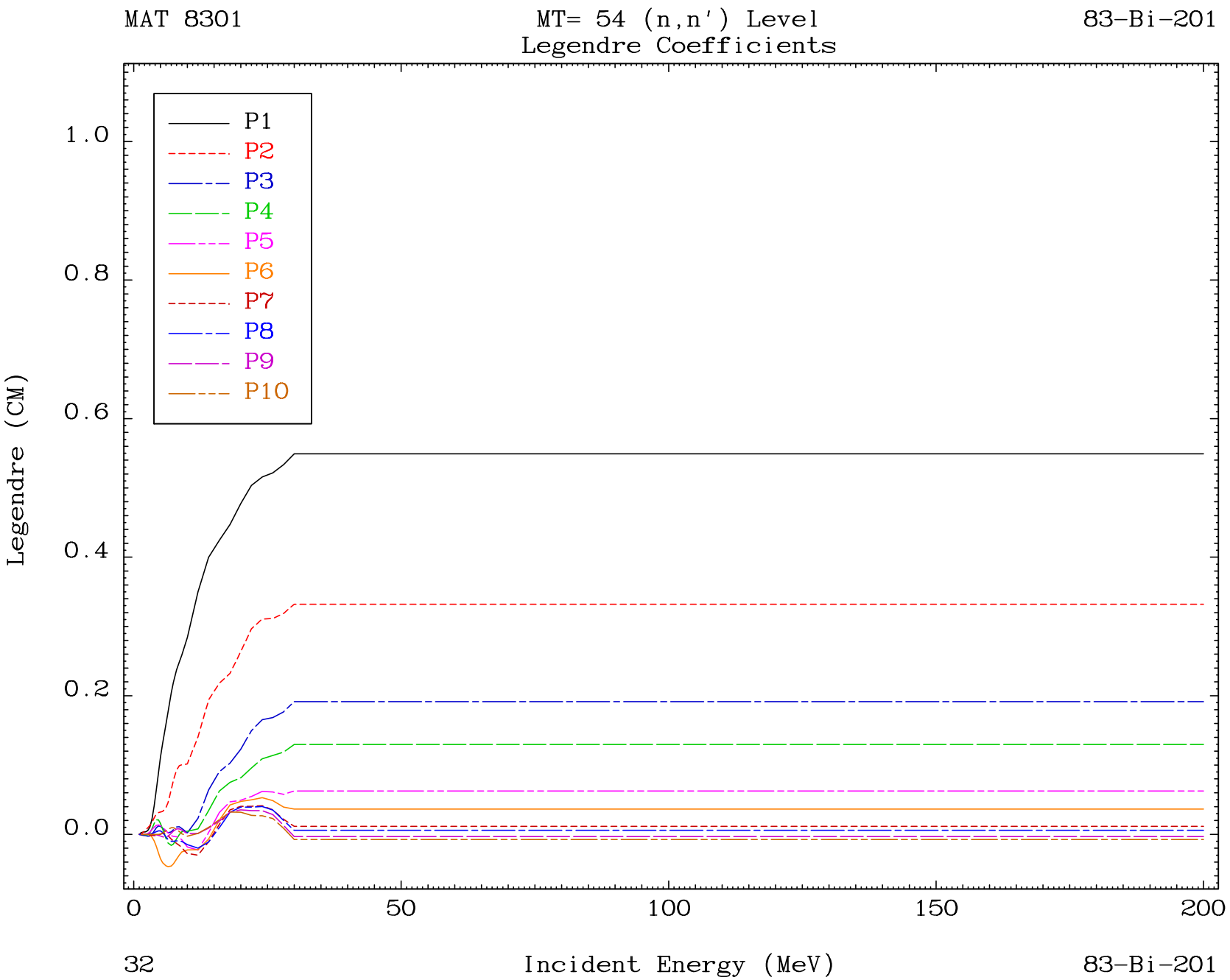

MAT 8301
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-201
1.5
X10 −6
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
27
Incident Energy (MeV)
83-Bi-201

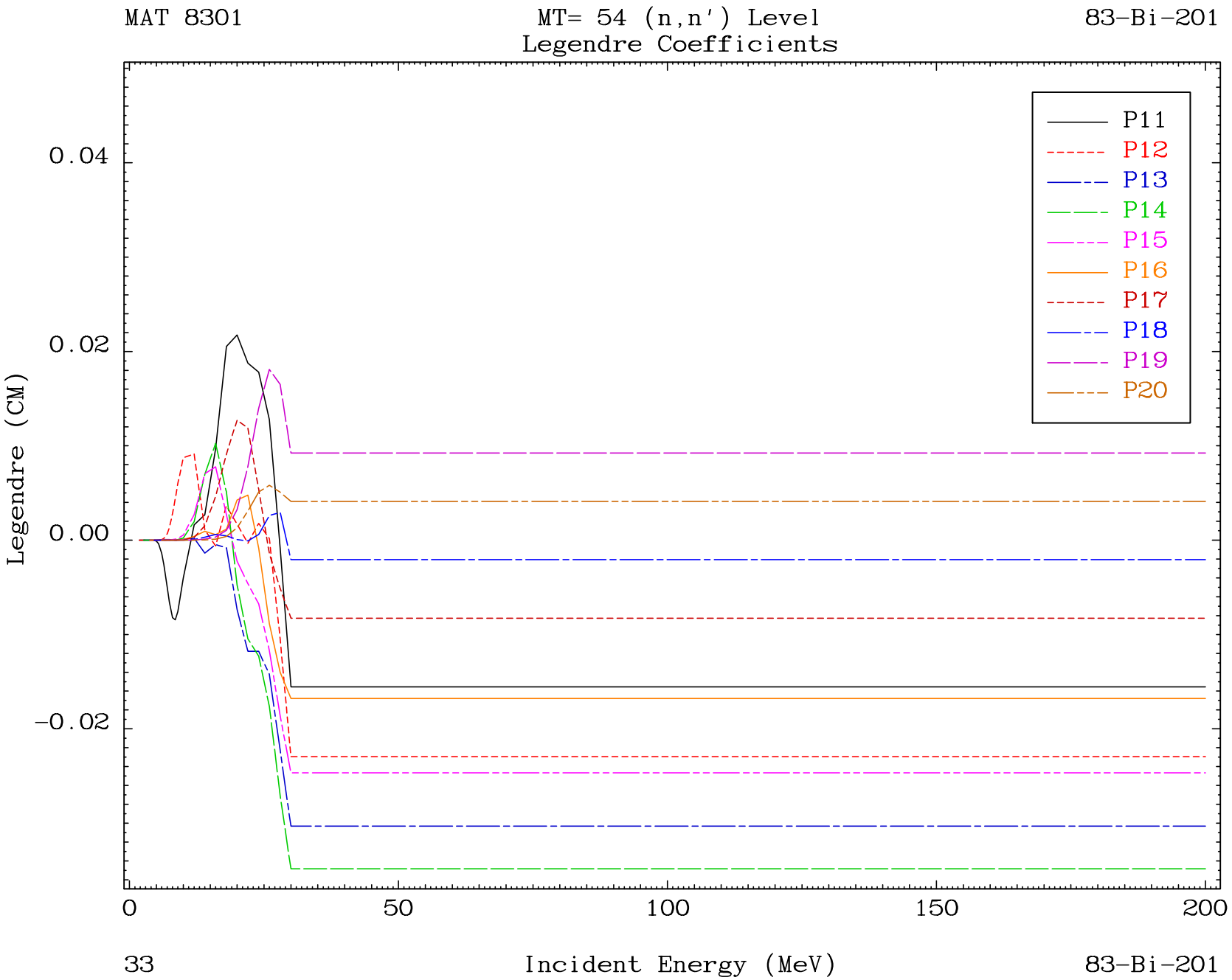

MAT 8301
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
28
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

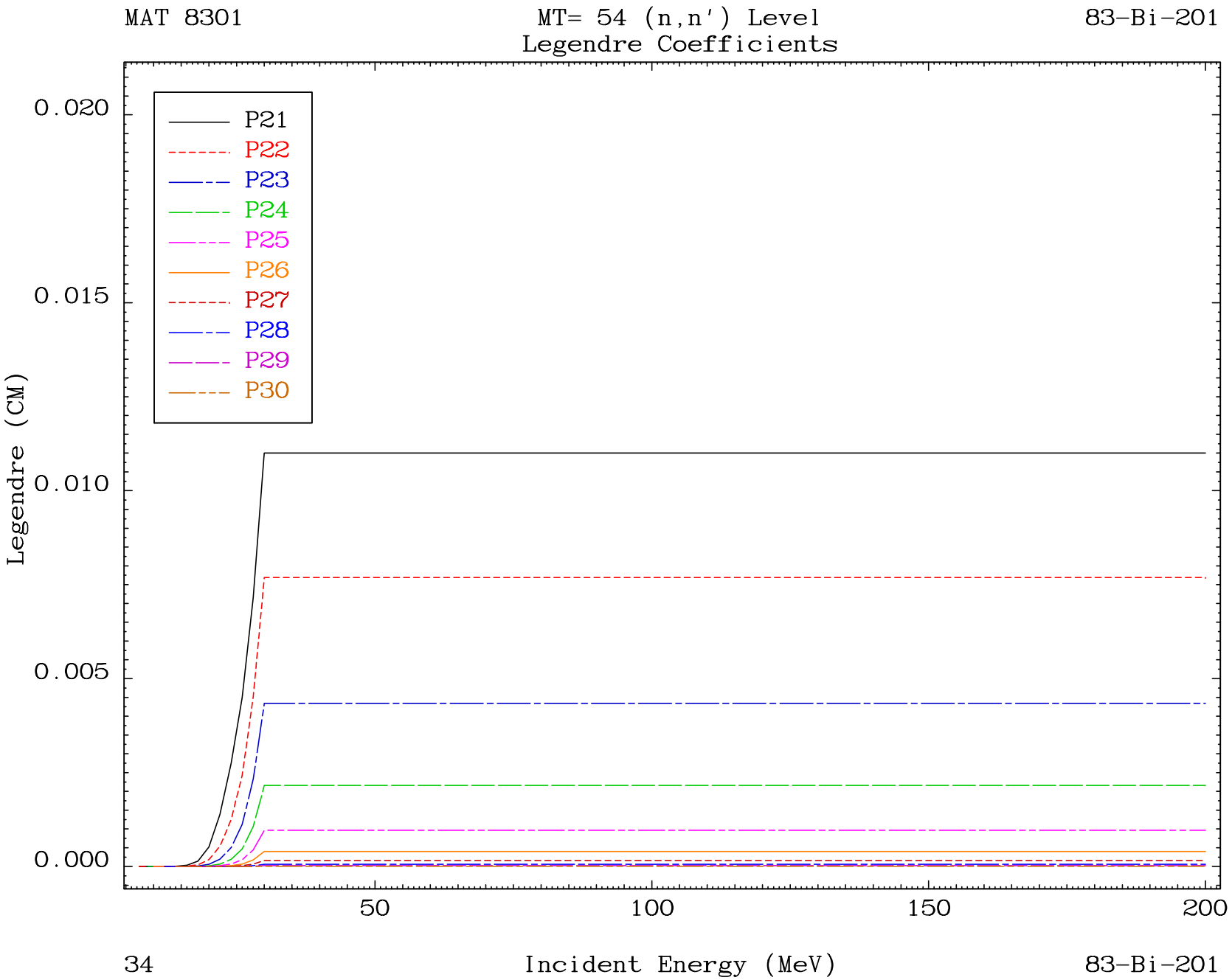

MAT 8301
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
29
Incident Energy (MeV)
83-Bi-201

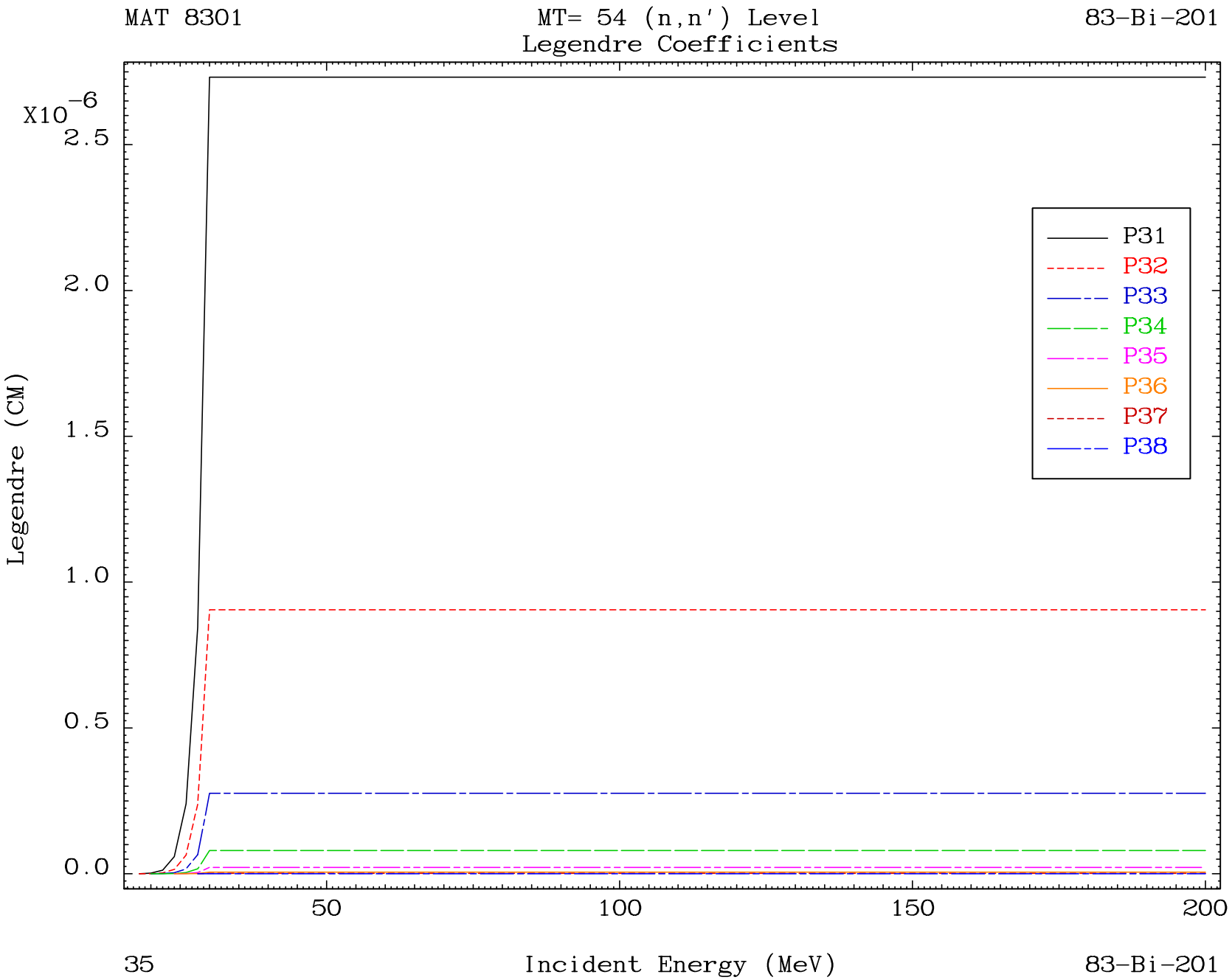

MAT 8301
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
30
Incident Energy (MeV)
83-Bi-201

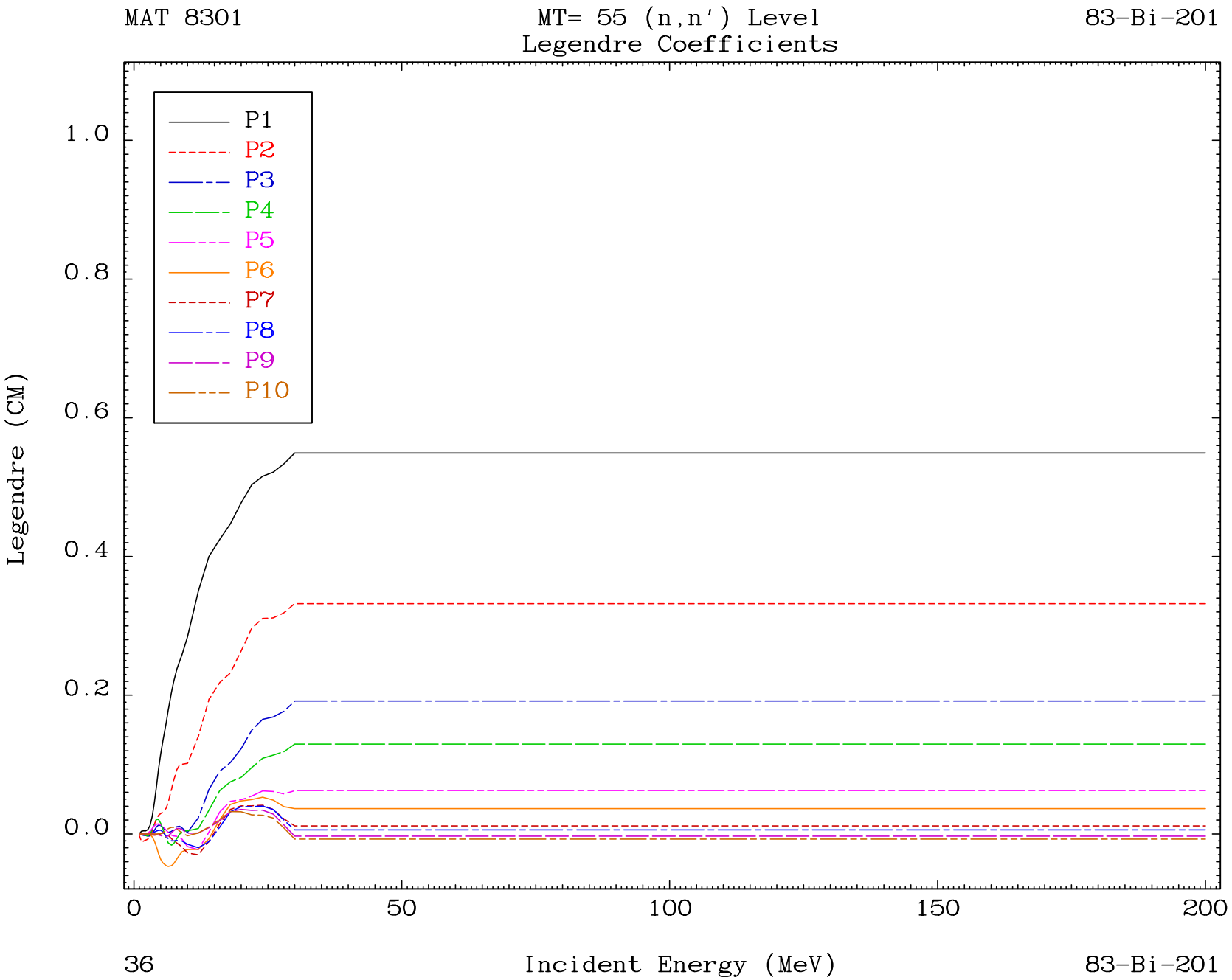

MAT 8301
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-201
X10-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
31
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

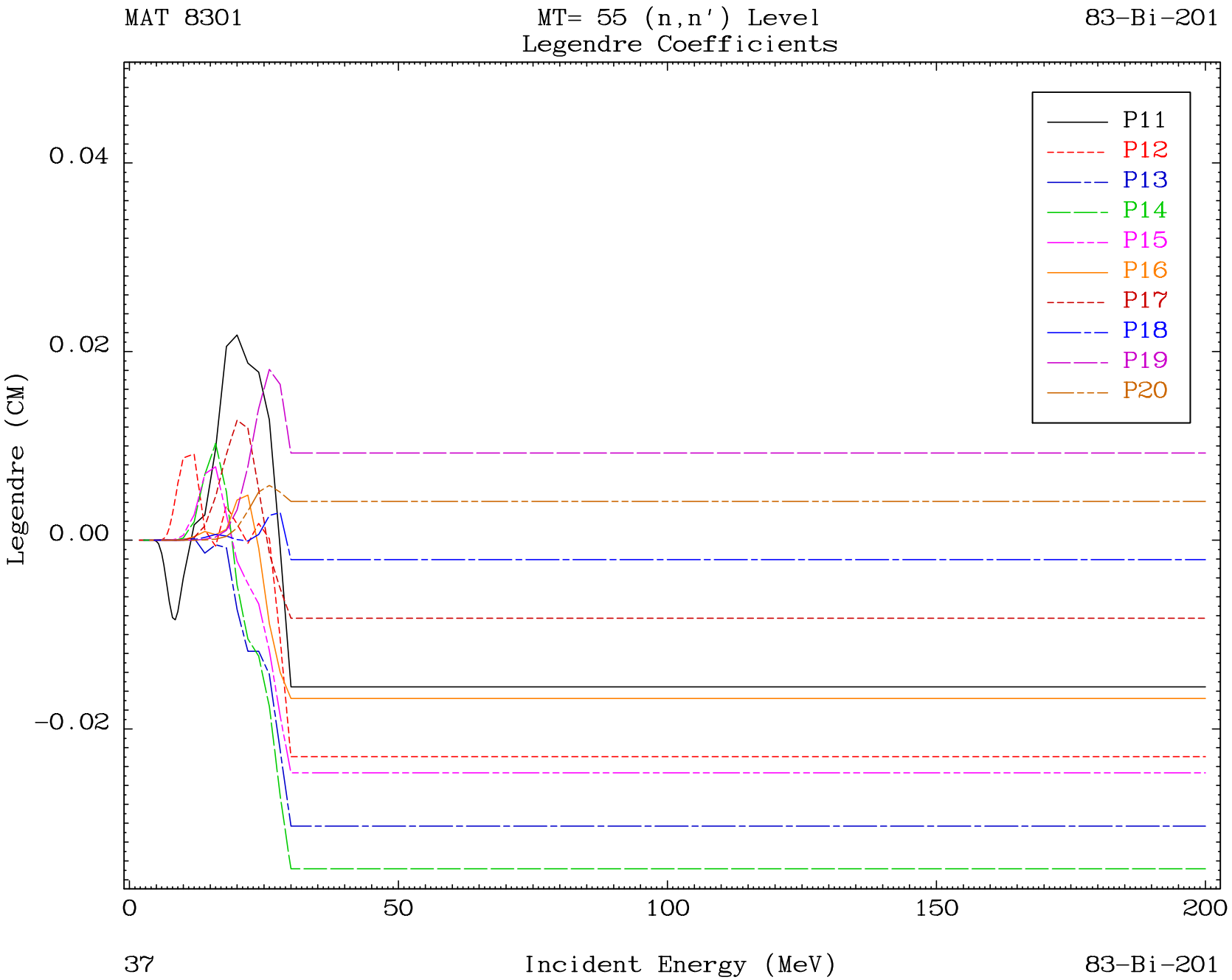

MAT 8301
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
32
Incident Energy (MeV)
83-Bi-201

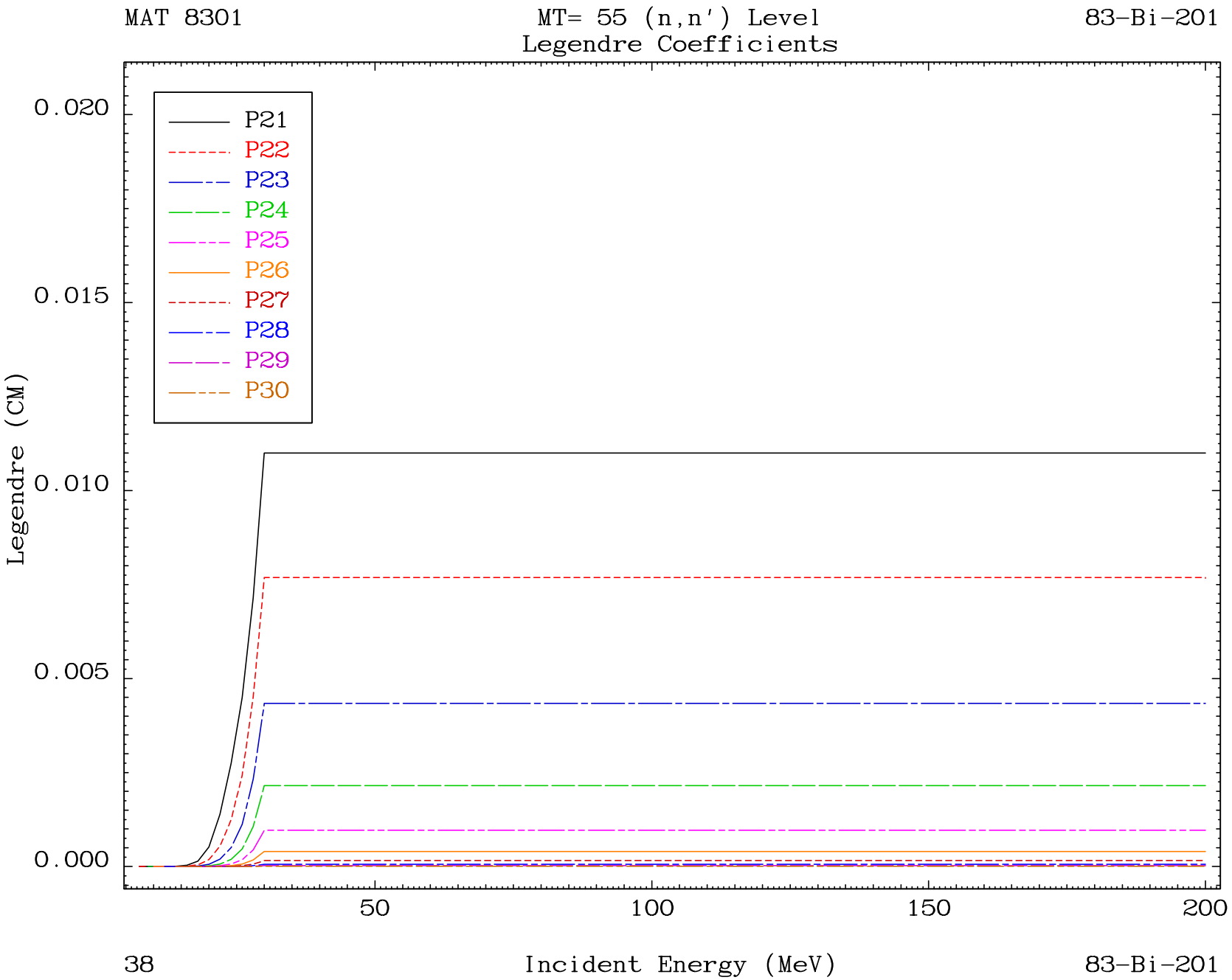

MAT 8301
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
83-Bi-201

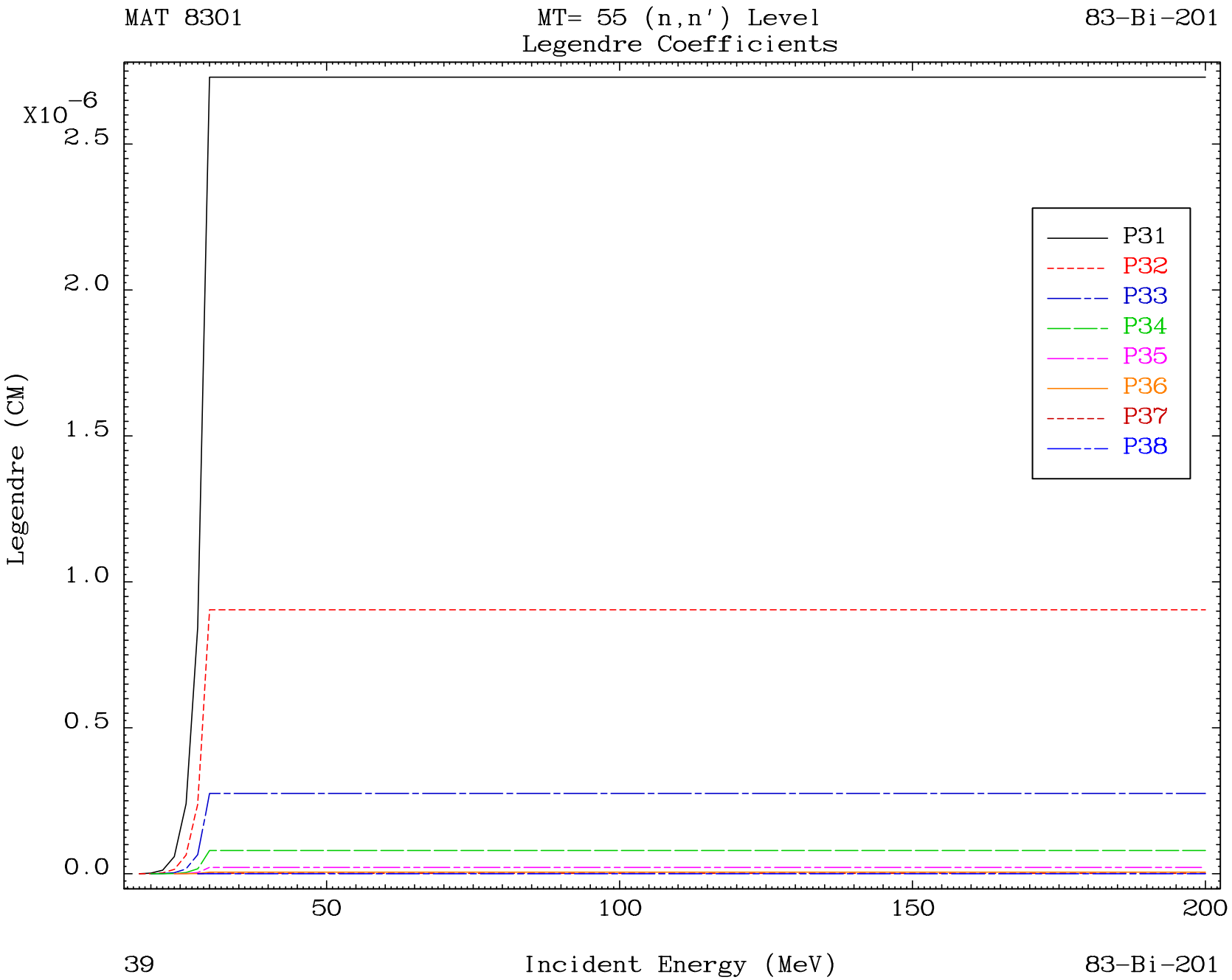

MAT 8301
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
83-Bi-201

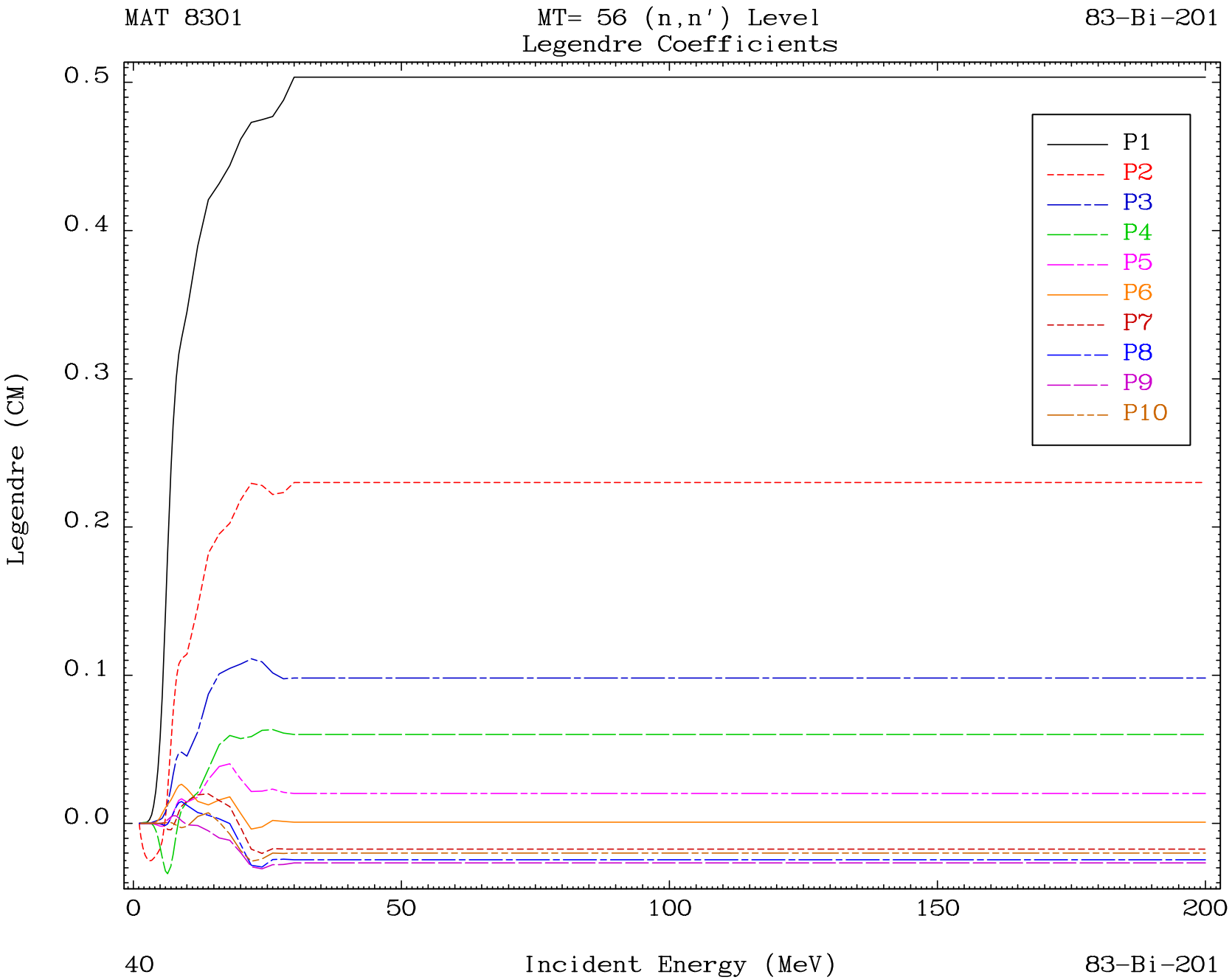

MAT 8301
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
35
Incident Energy (MeV)
83-Bi-201

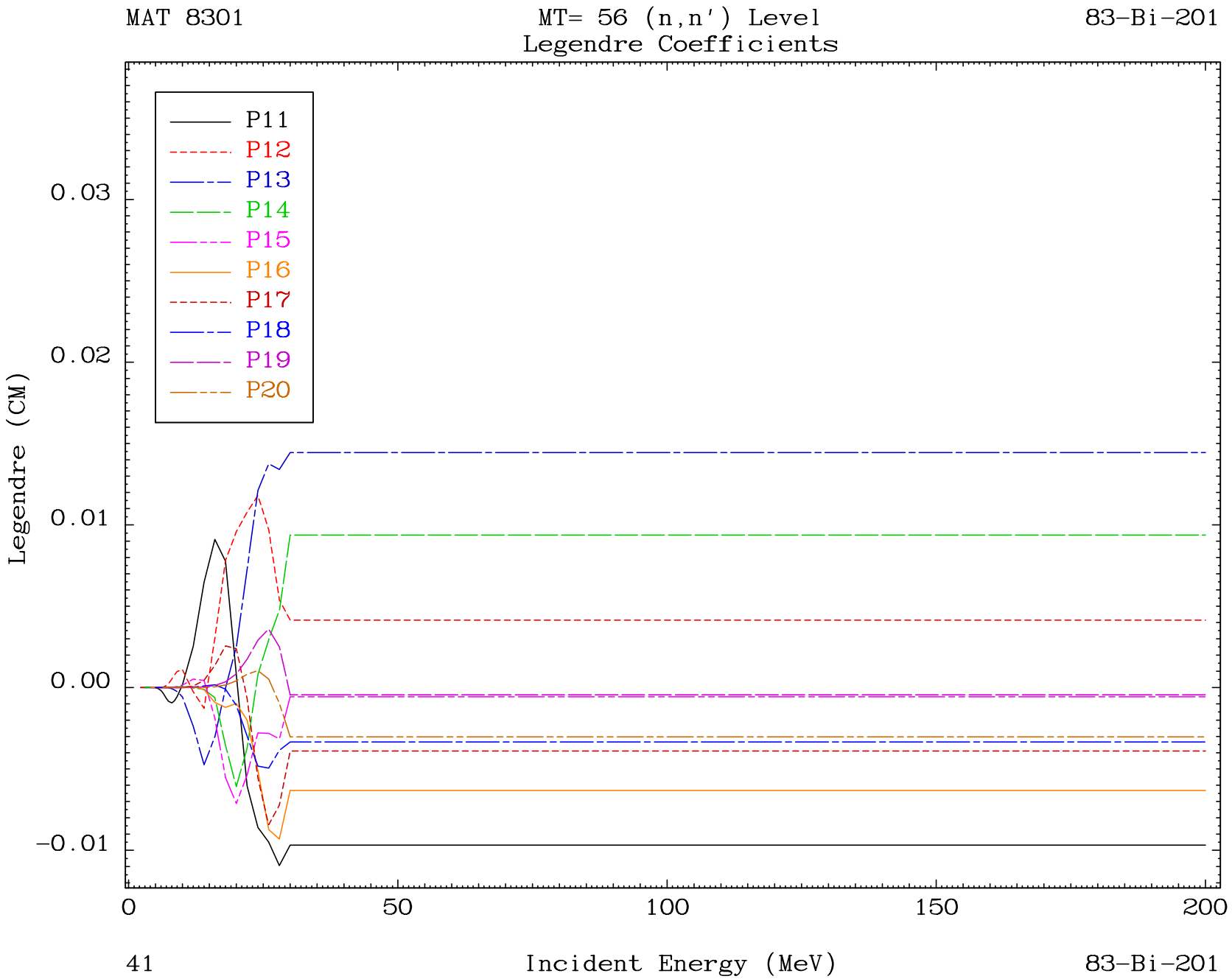

MAT 8301
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
83-Bi-201

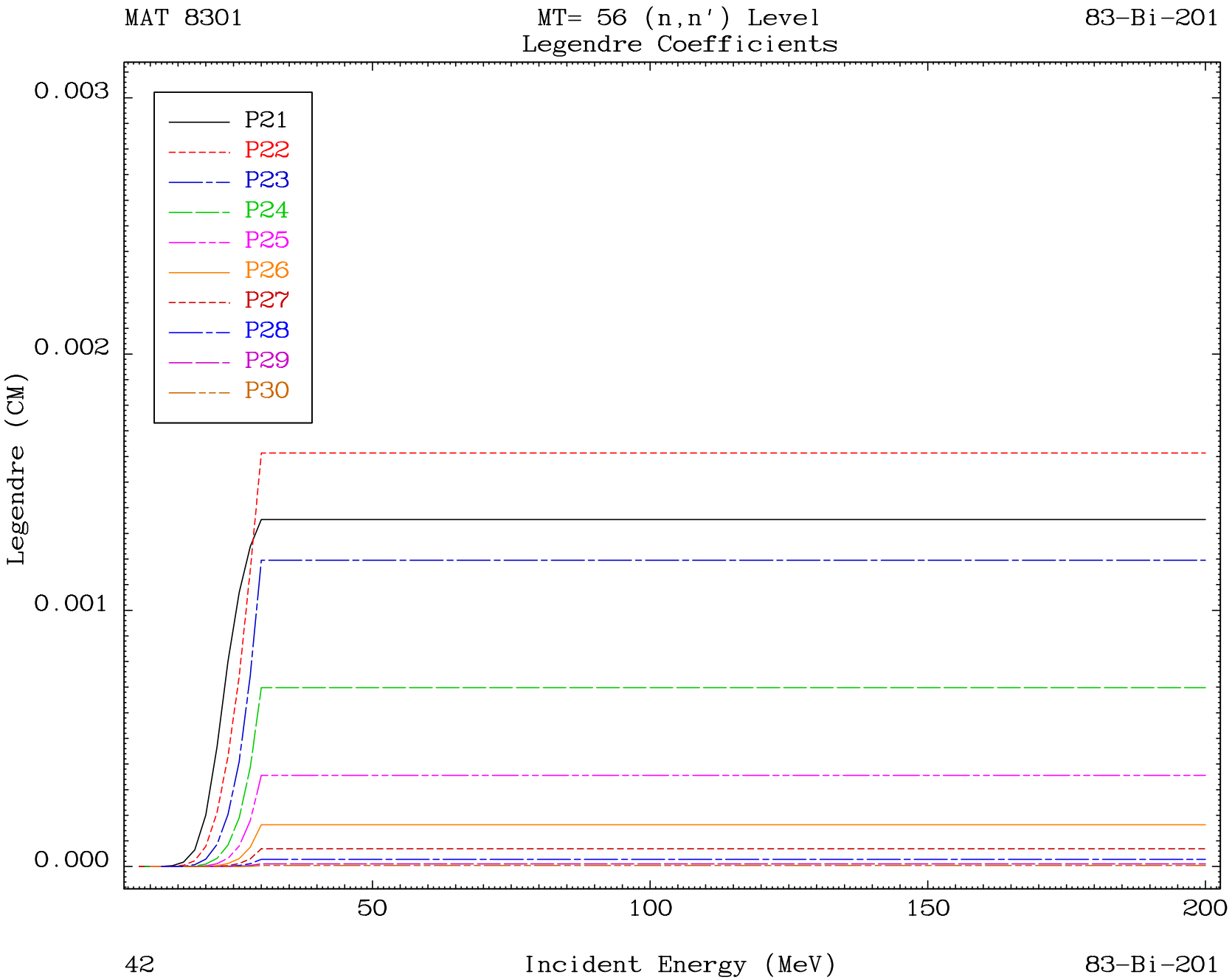

MAT 8301
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
83-Bi-201

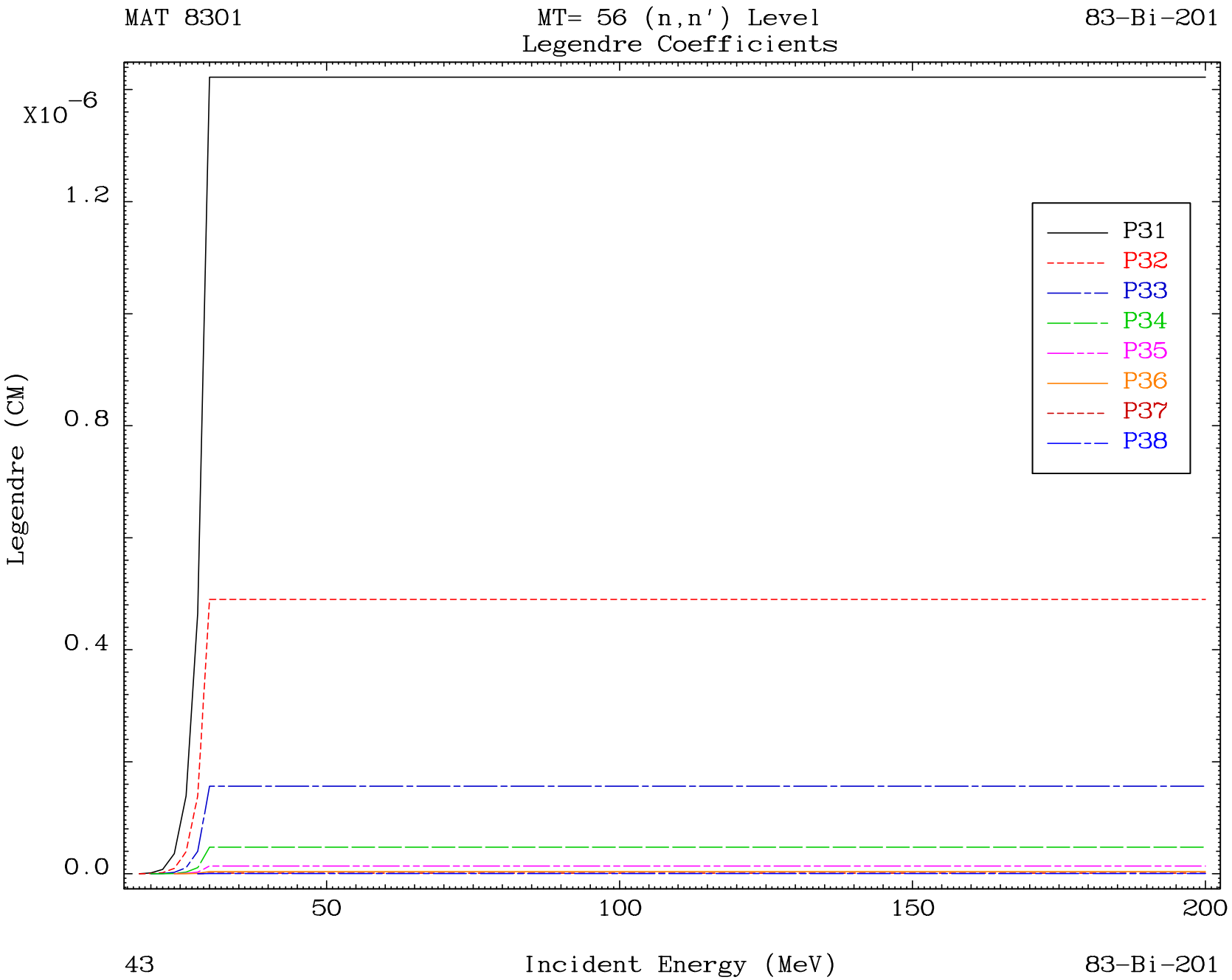

MAT 8301
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
83-Bi-201

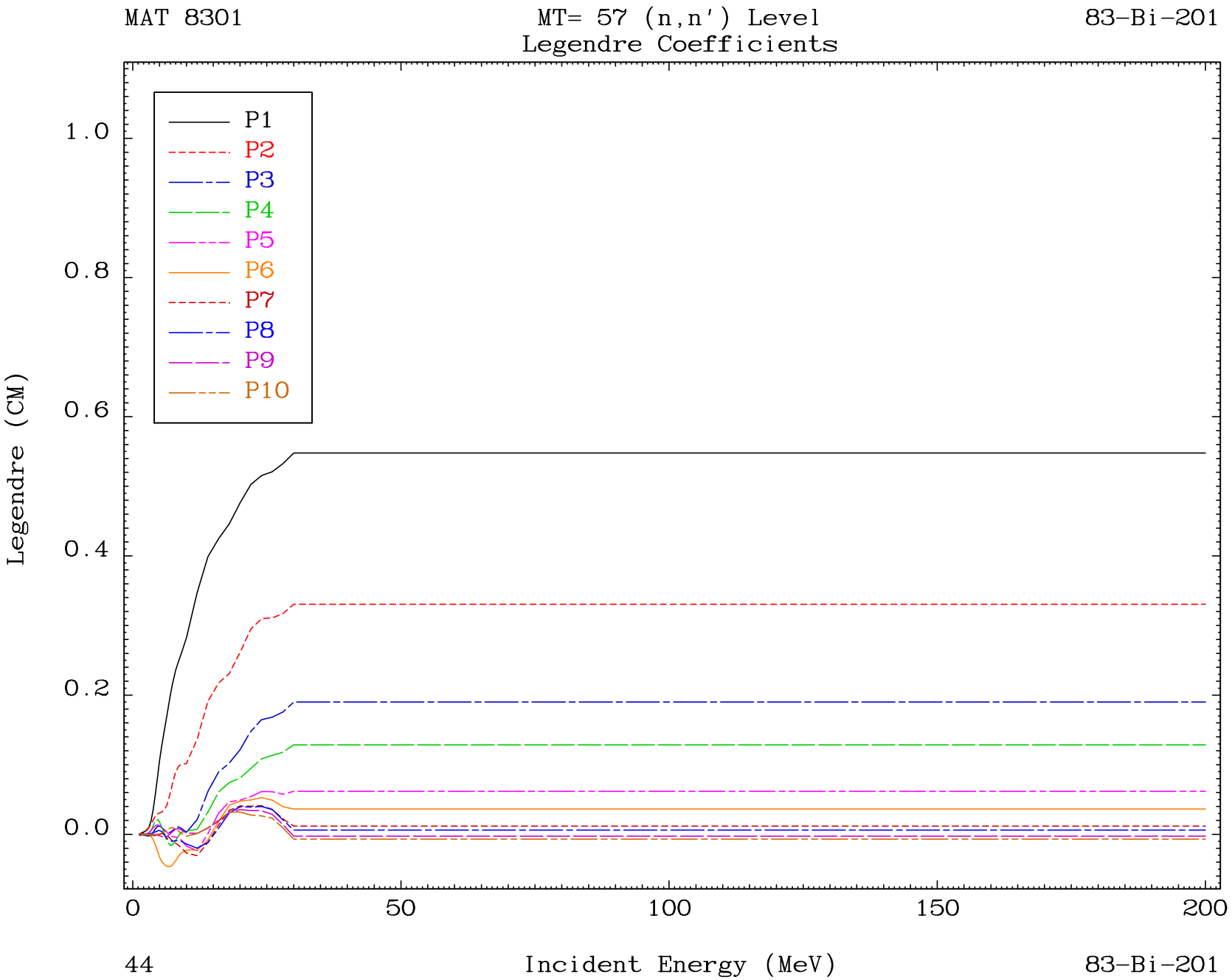

MAT 8301
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
P31
P32
P33
P34
P35
P36
P37
P38
39
Incident Energy (MeV)
83-Bi-201

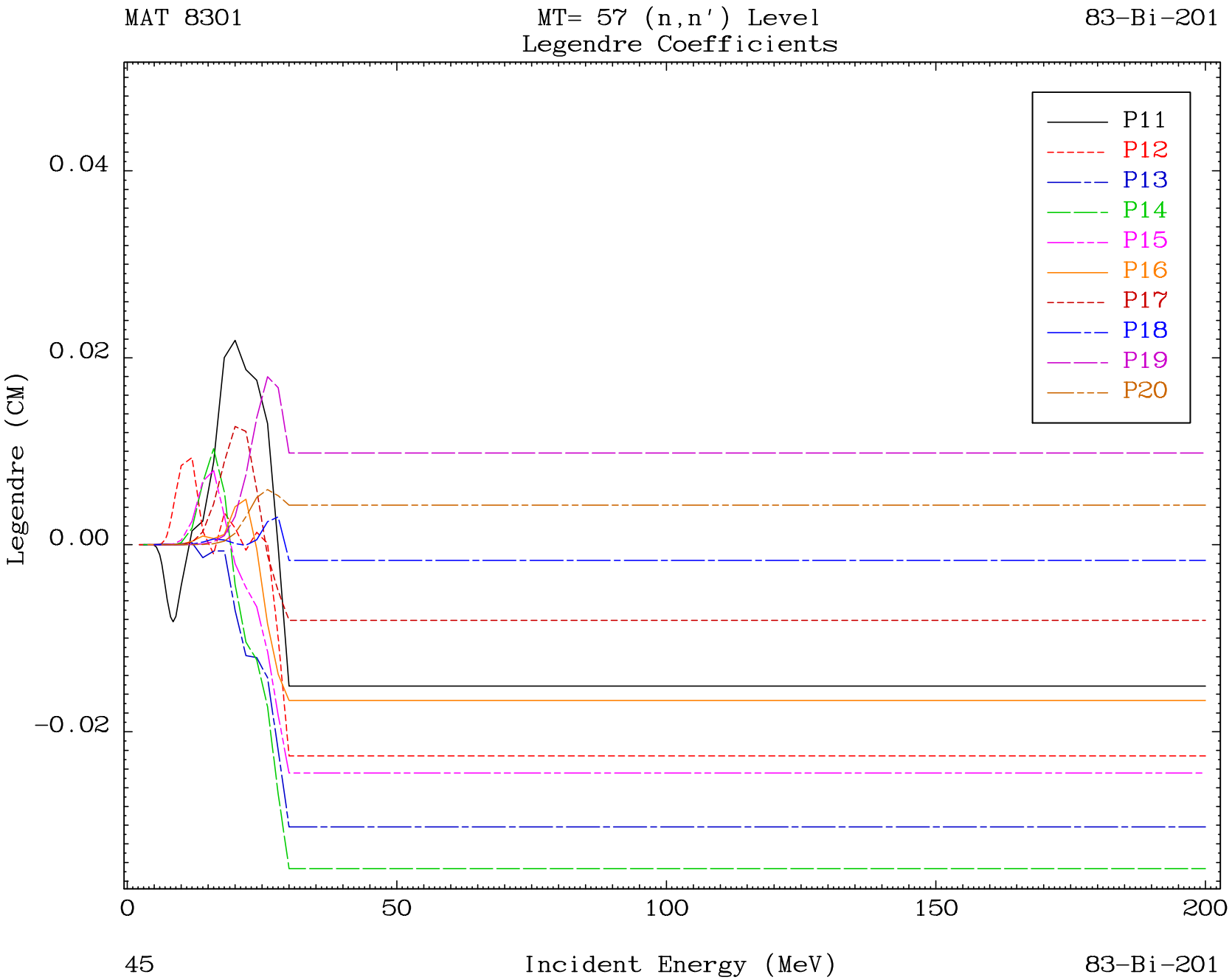

MAT 8301
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
40
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

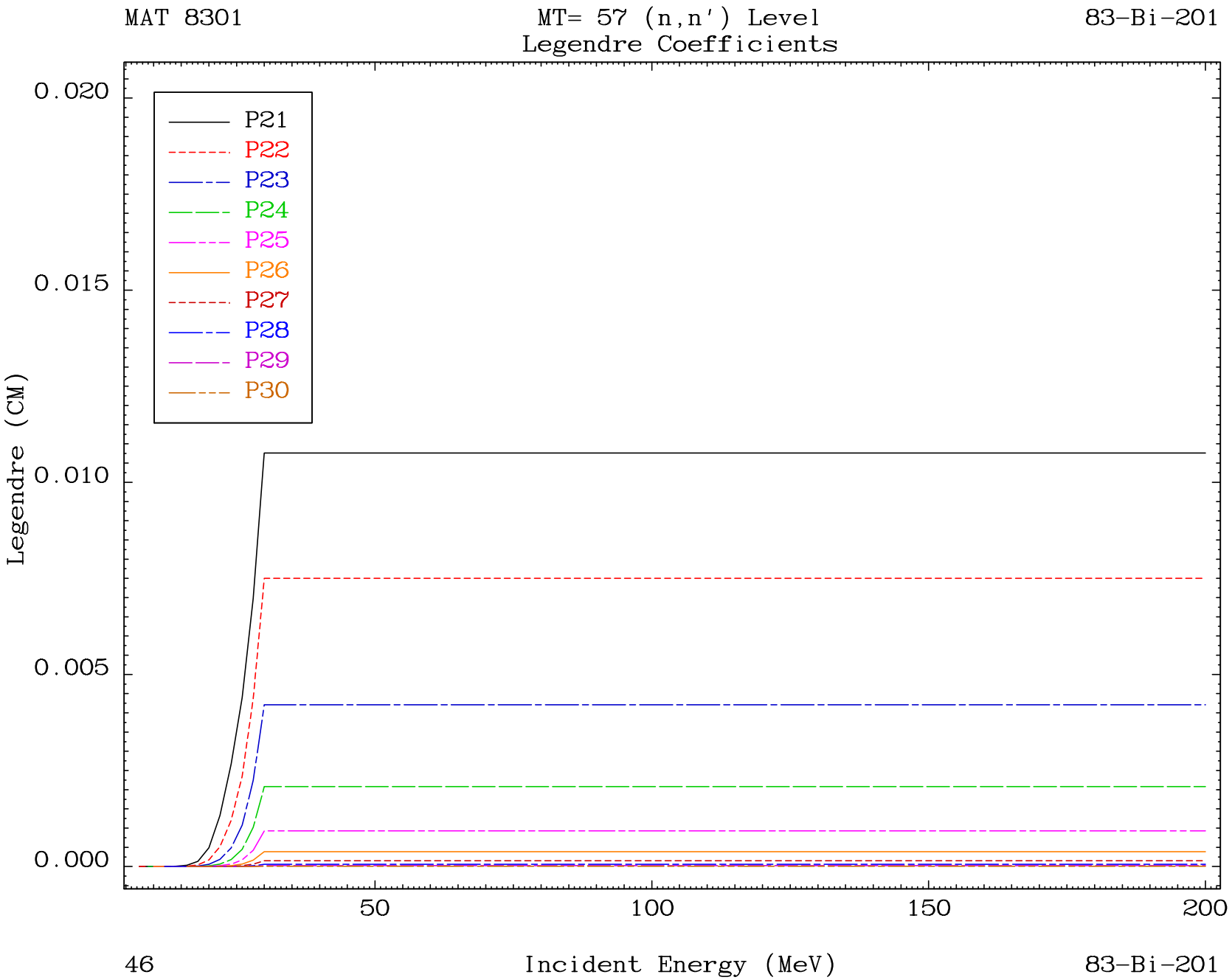

MAT 8301
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
83-Bi-201

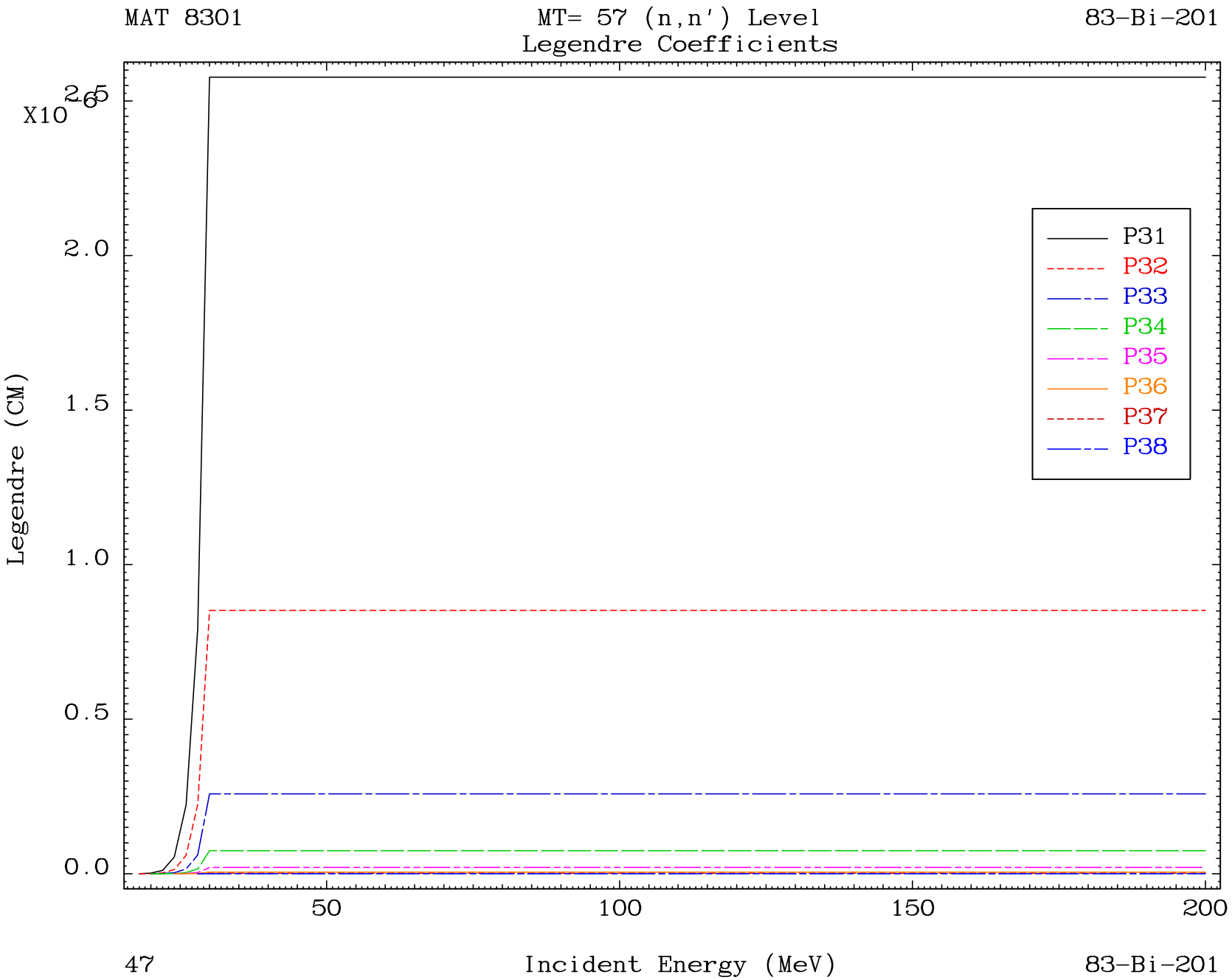

MAT 8301
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
83-Bi-201

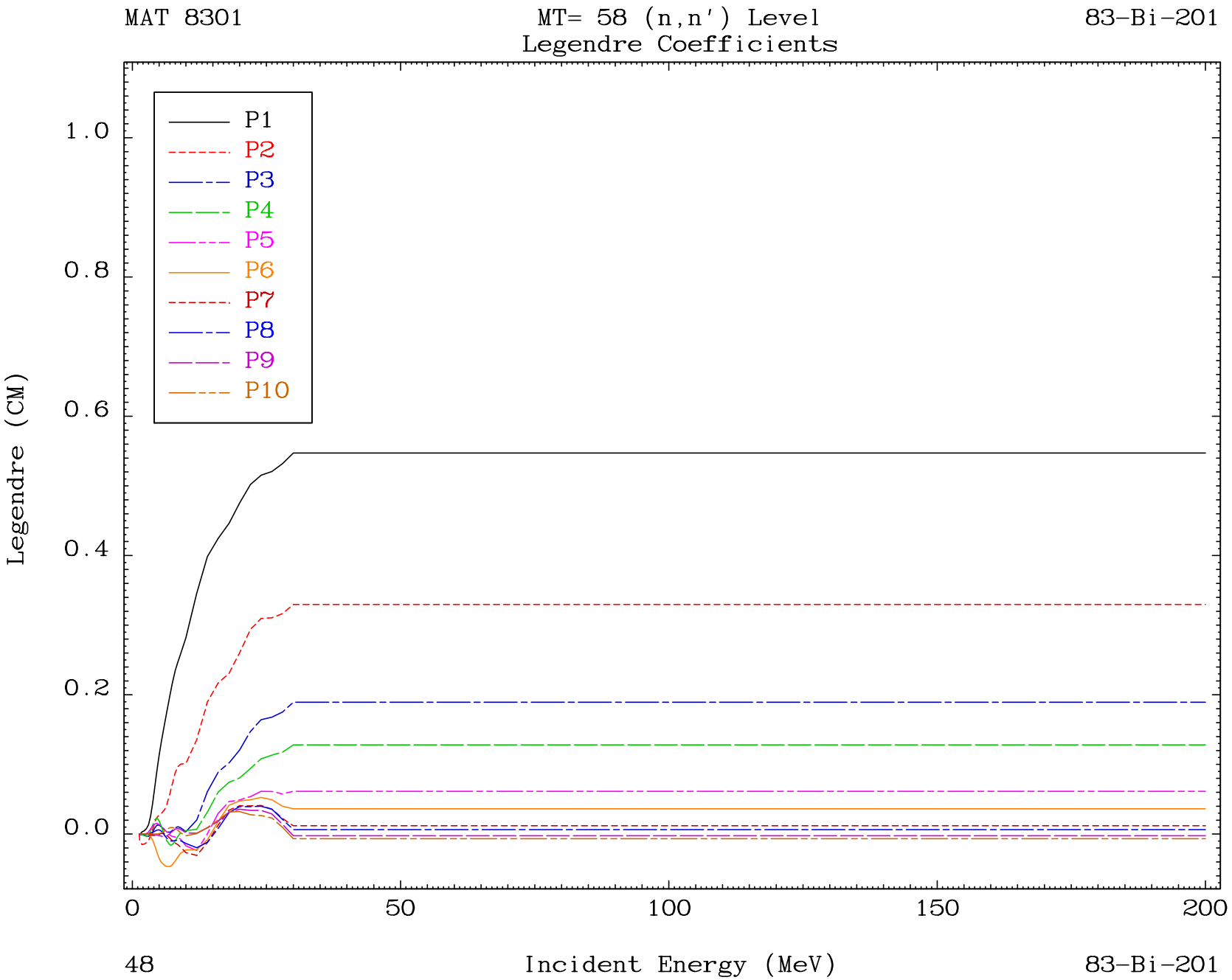

MAT 8301
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
43
Incident Energy (MeV)
83-Bi-201

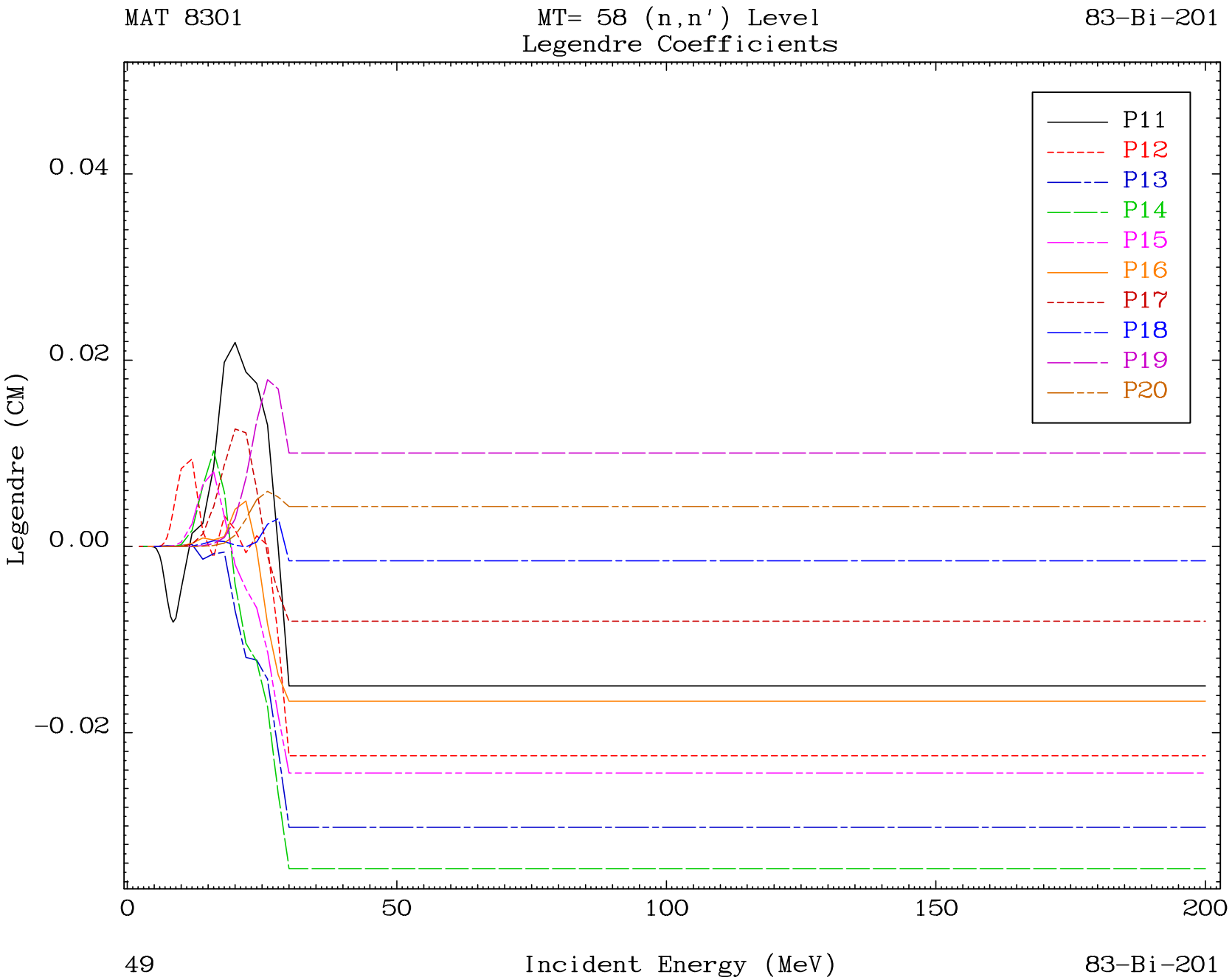

MAT 8301
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
44
Incident Energy (MeV)
83-Bi-201

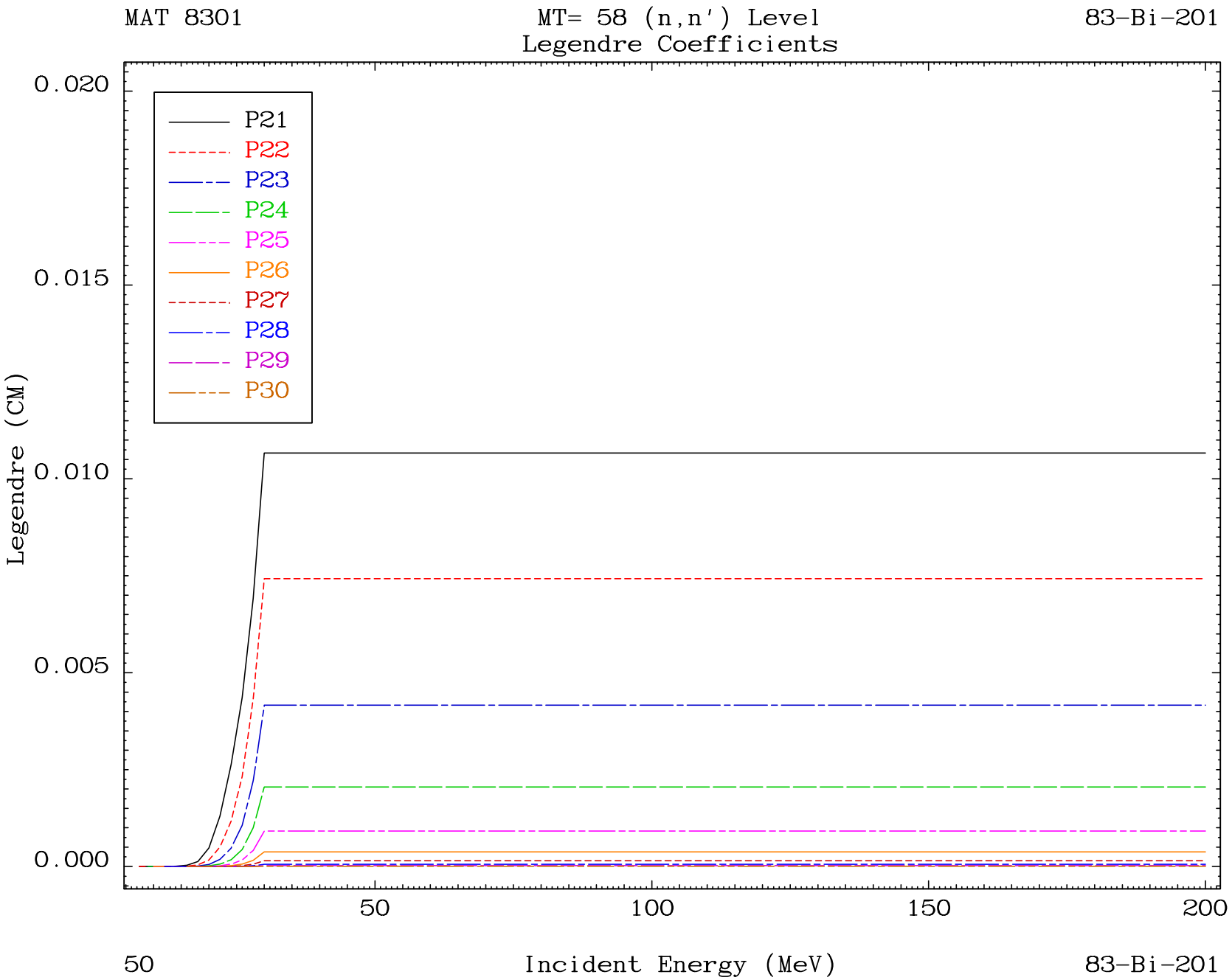

MAT 8301
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
83-Bi-201

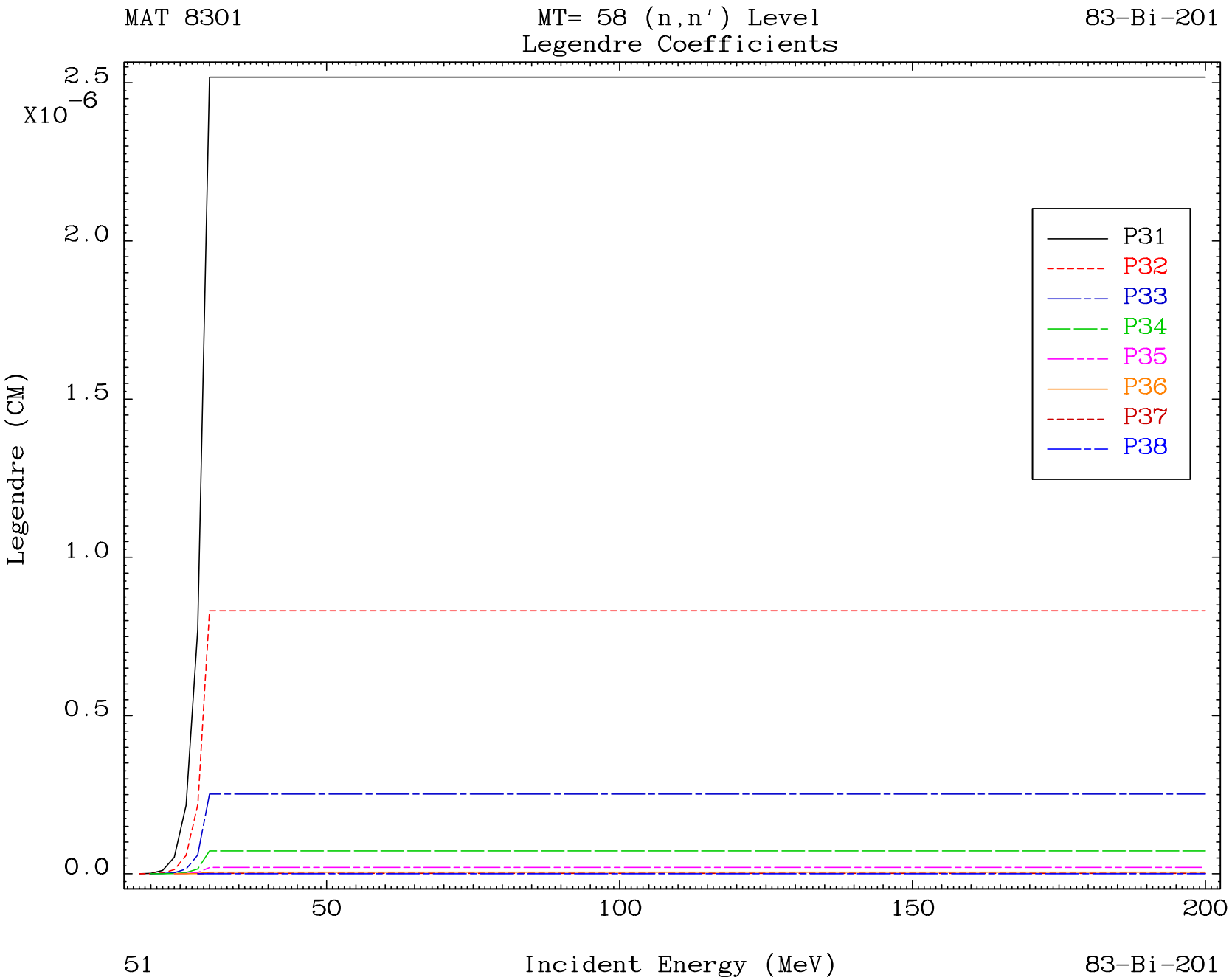

MAT 8301
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
83-Bi-201

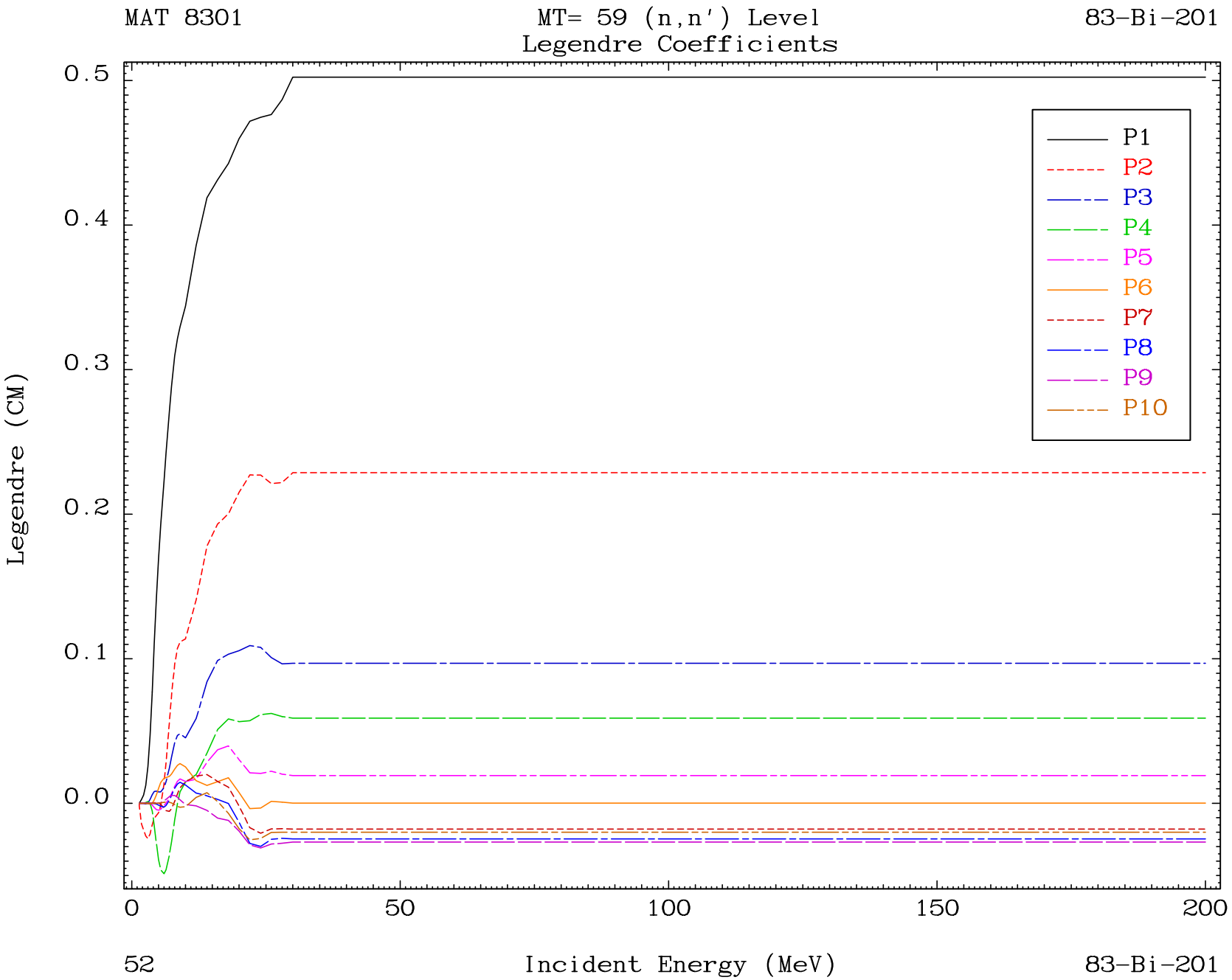

MAT 8301
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-5
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

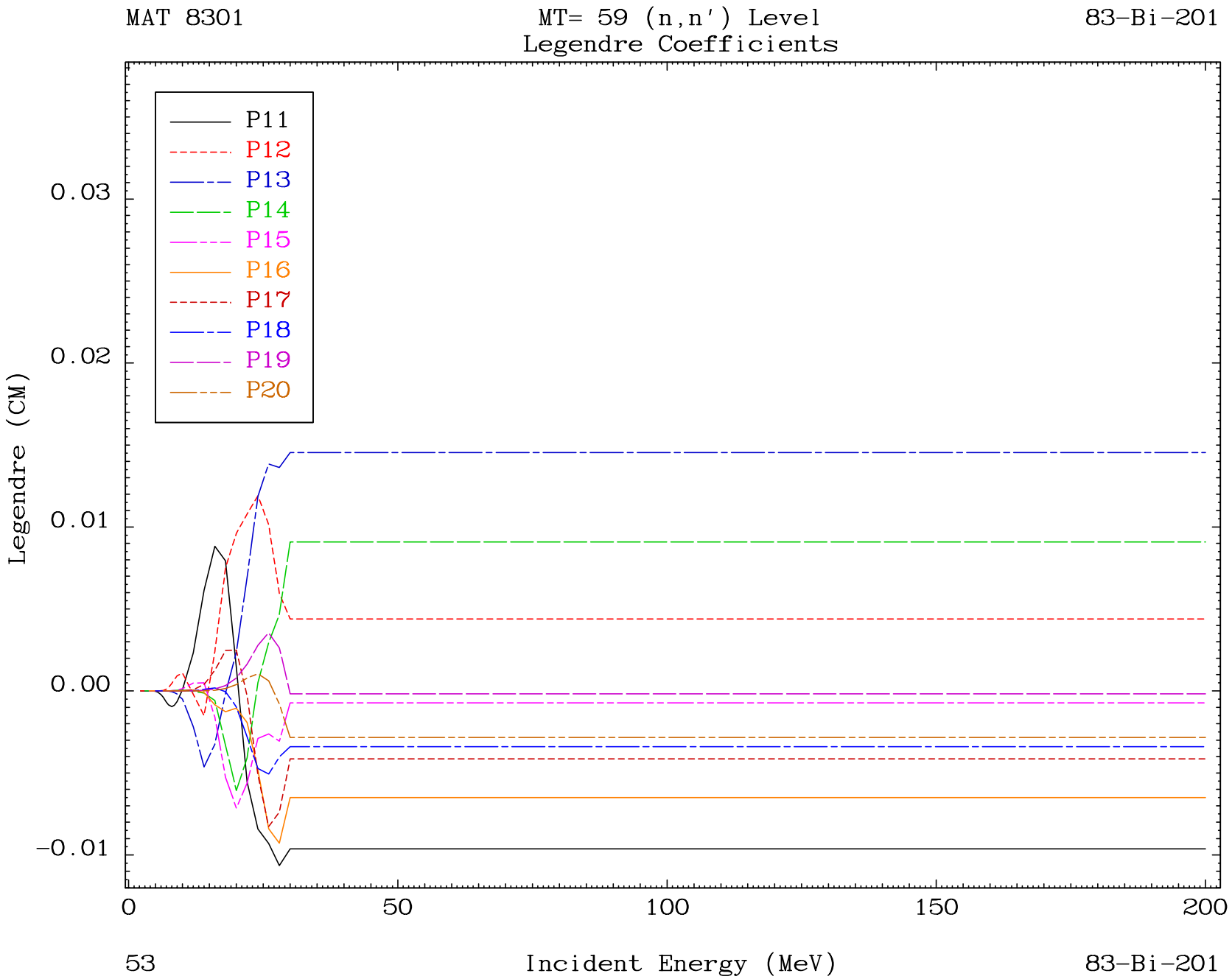

MAT 8301
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
48
Incident Energy (MeV)
83-Bi-201

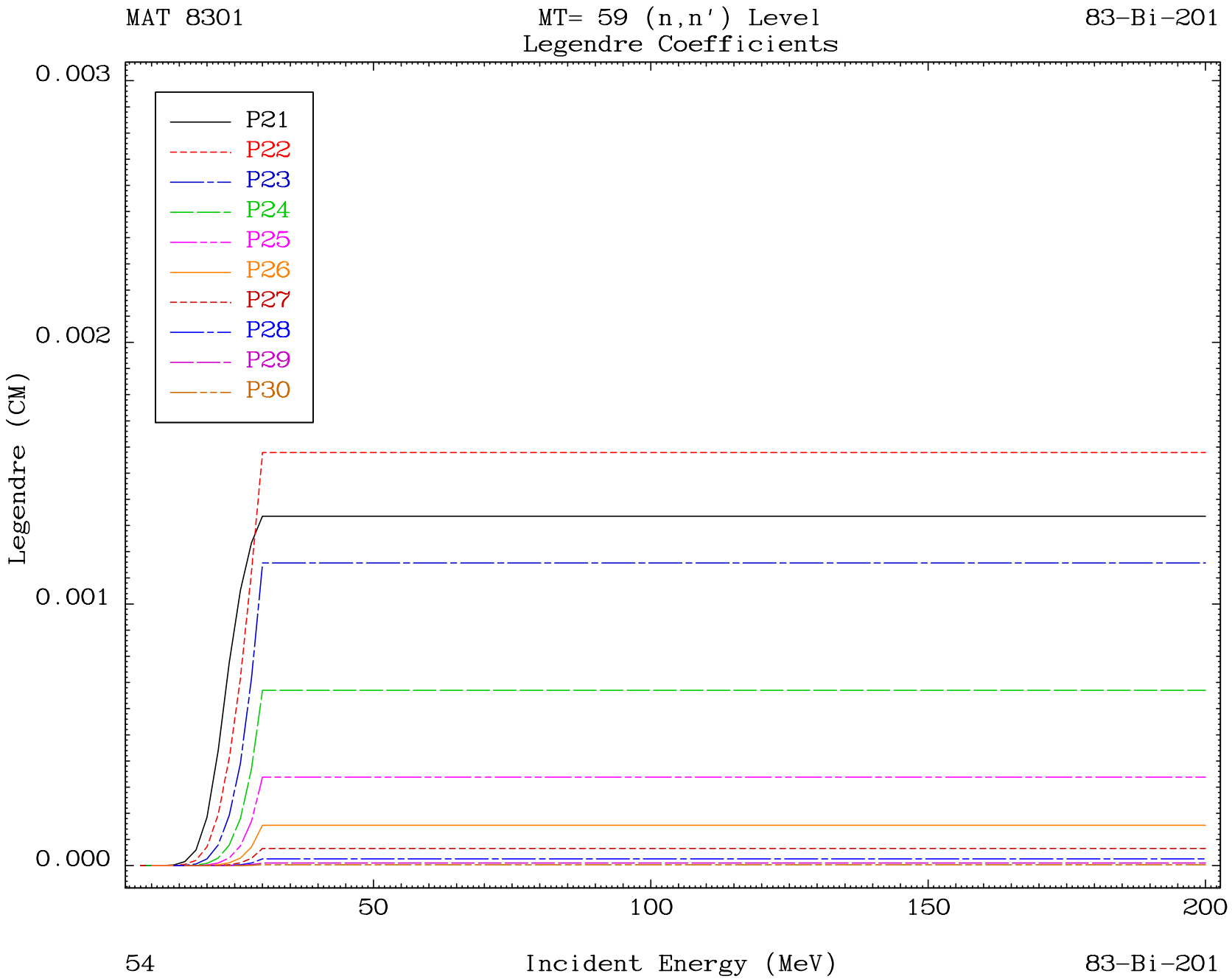

MAT 8301
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
83-Bi-201

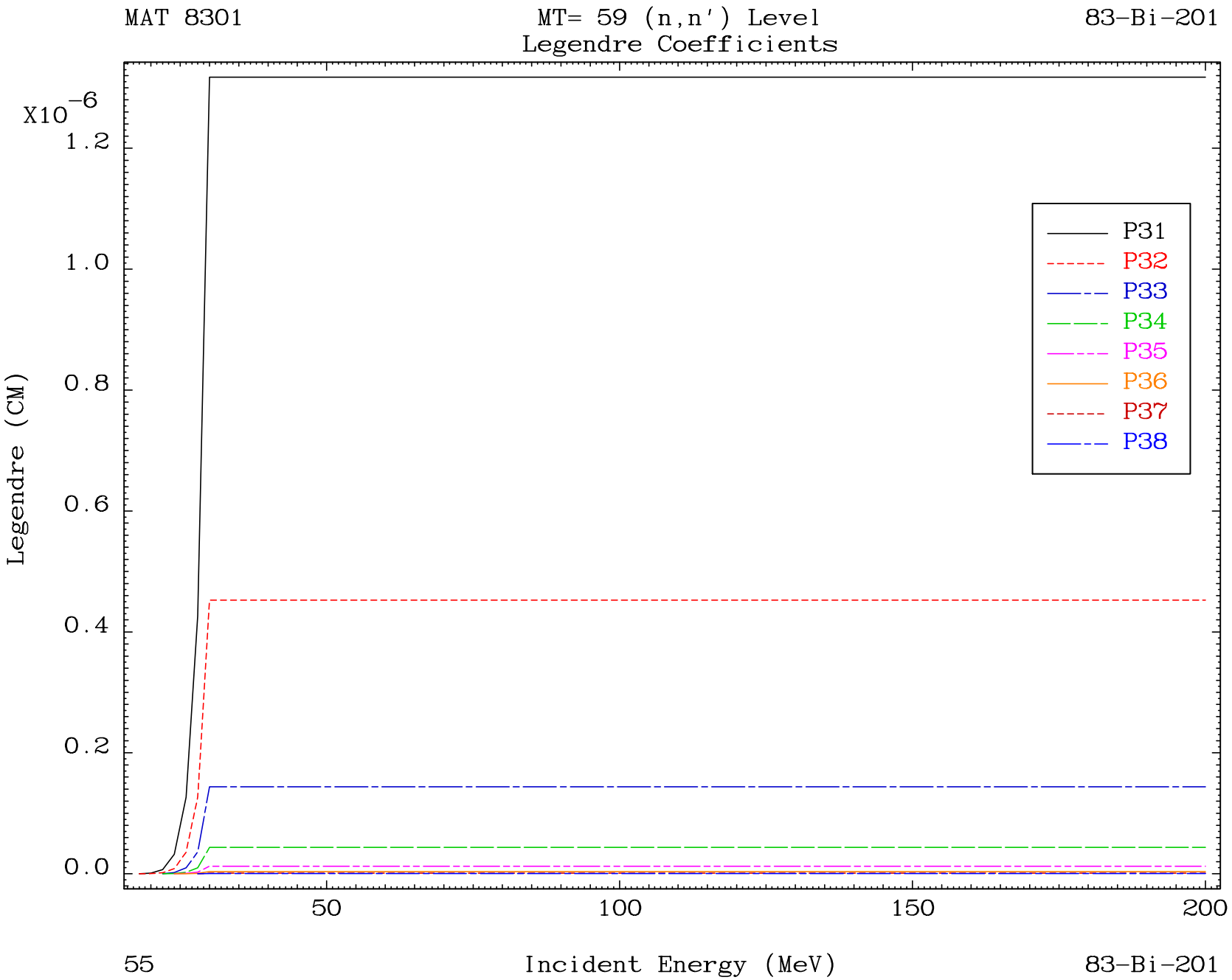

MAT 8301
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
83-Bi-201

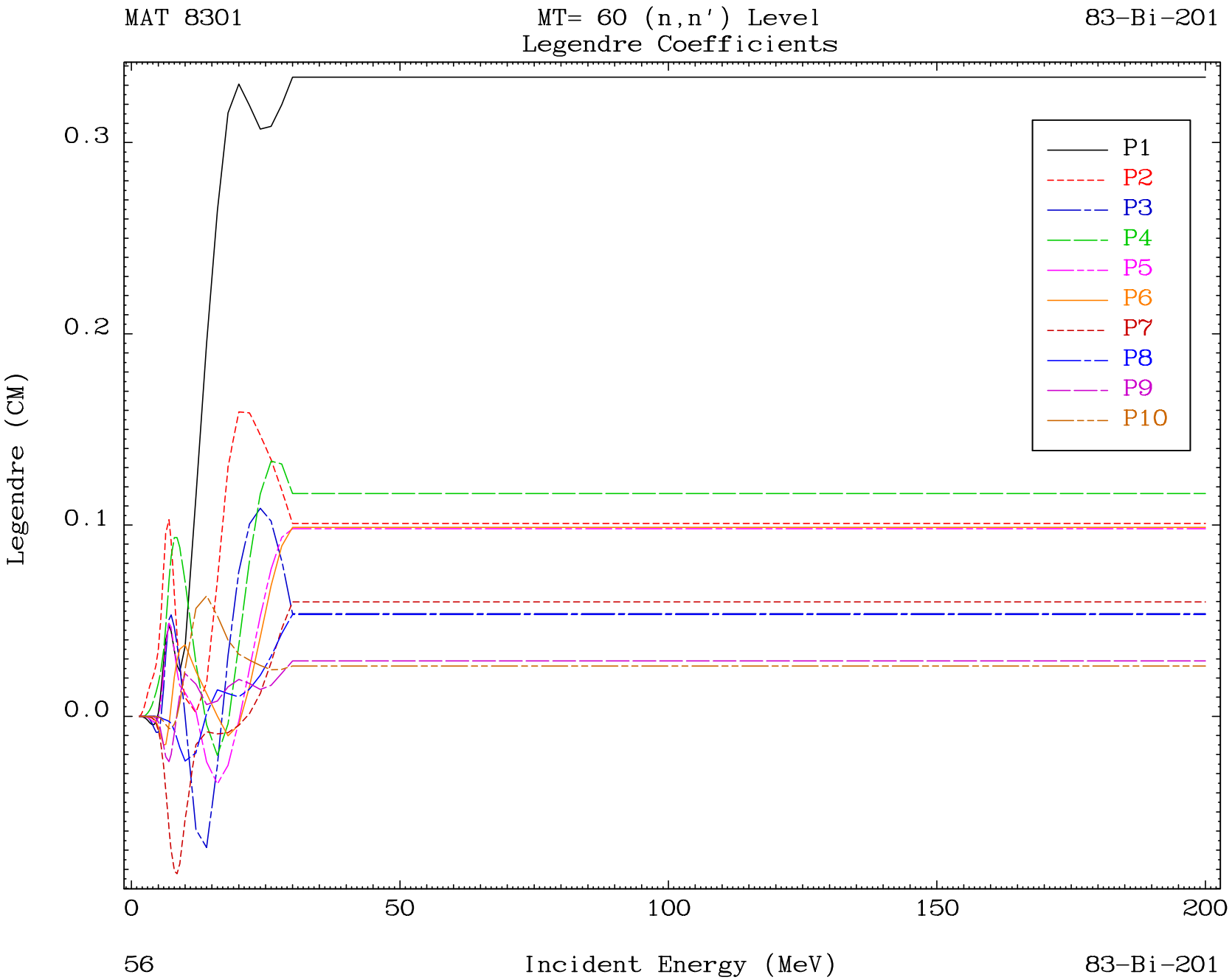

MAT 8301
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-201
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
51
Incident Energy (MeV)
83-Bi-201

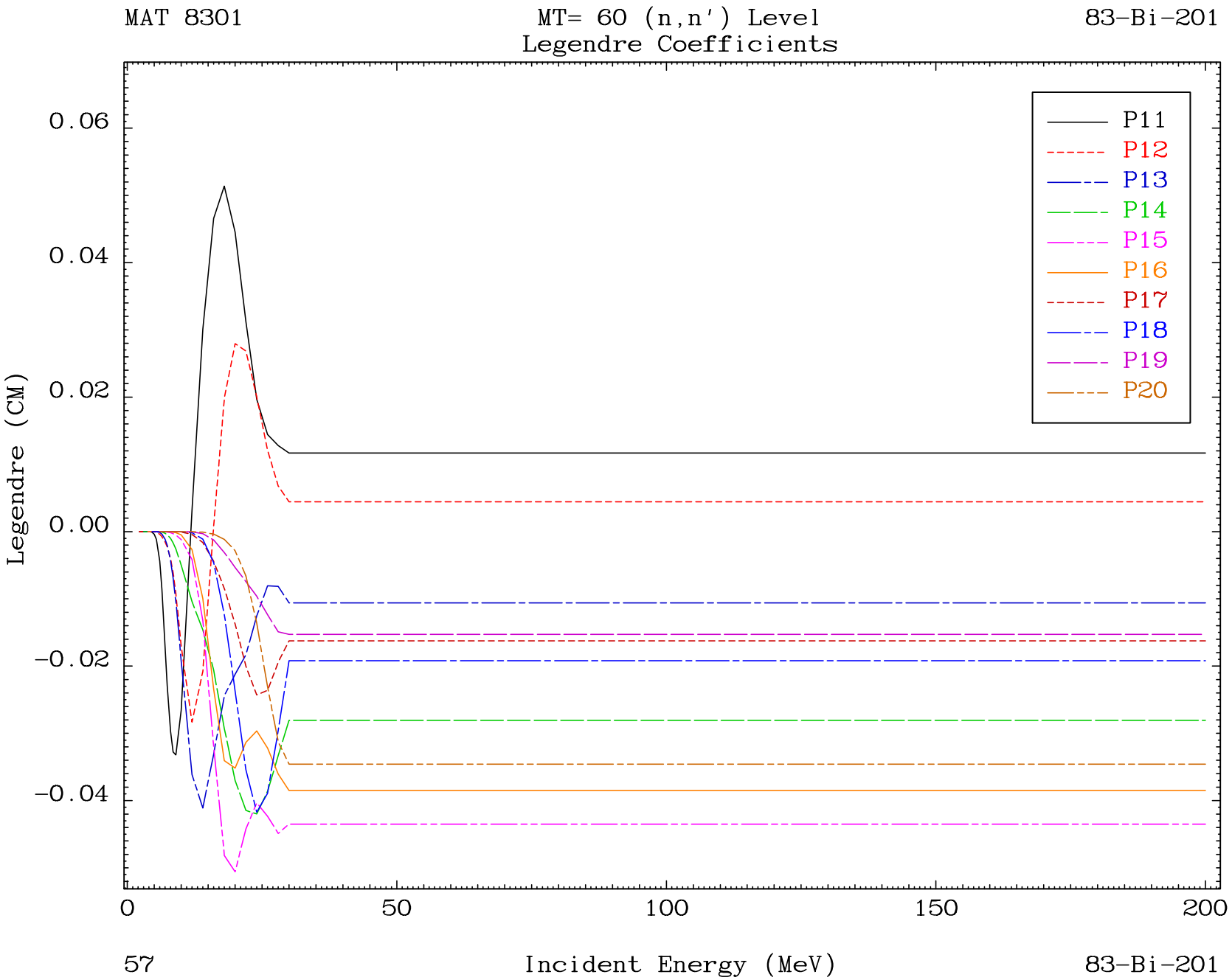

MAT 8301
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
52
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

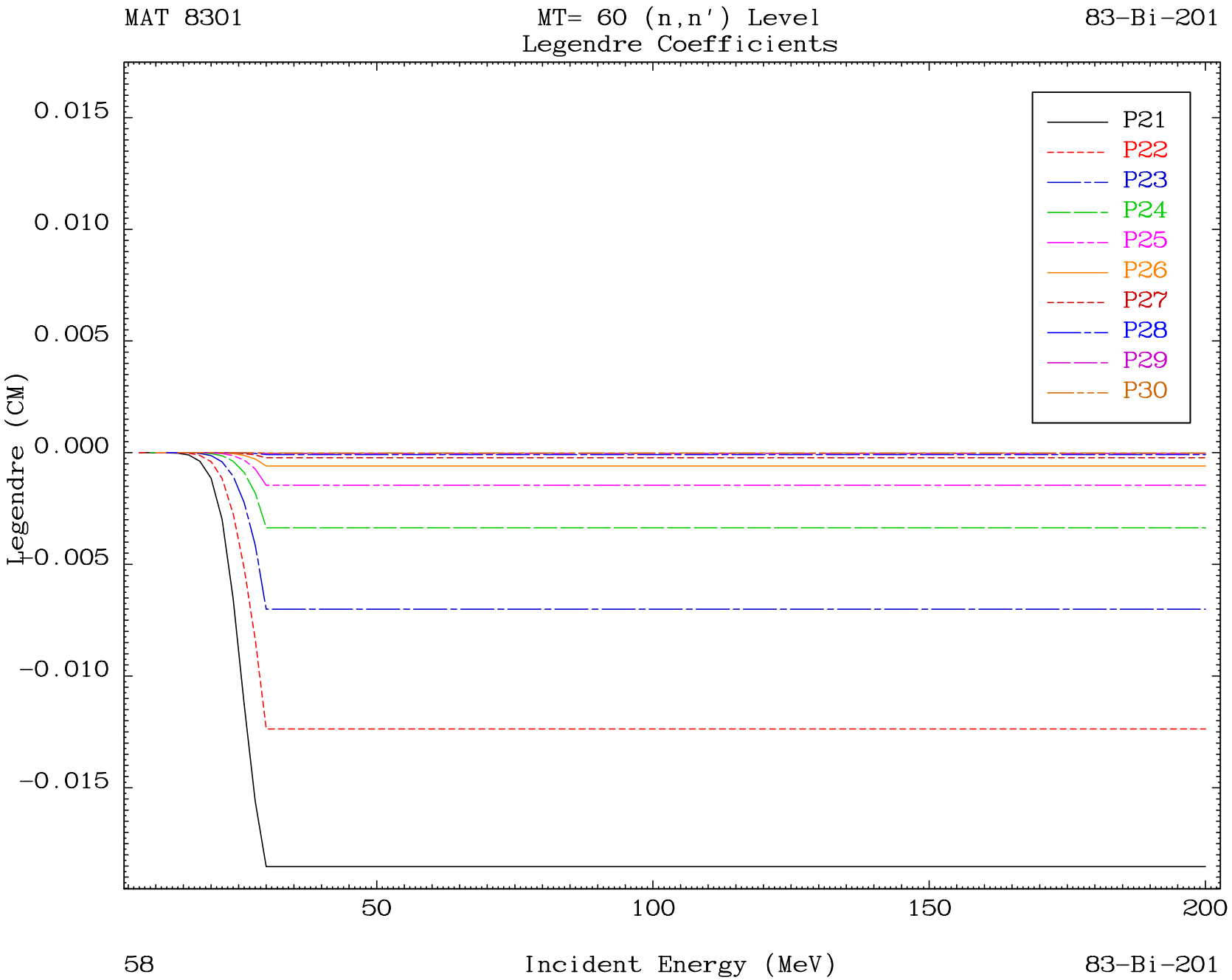

MAT 8301
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
83-Bi-201

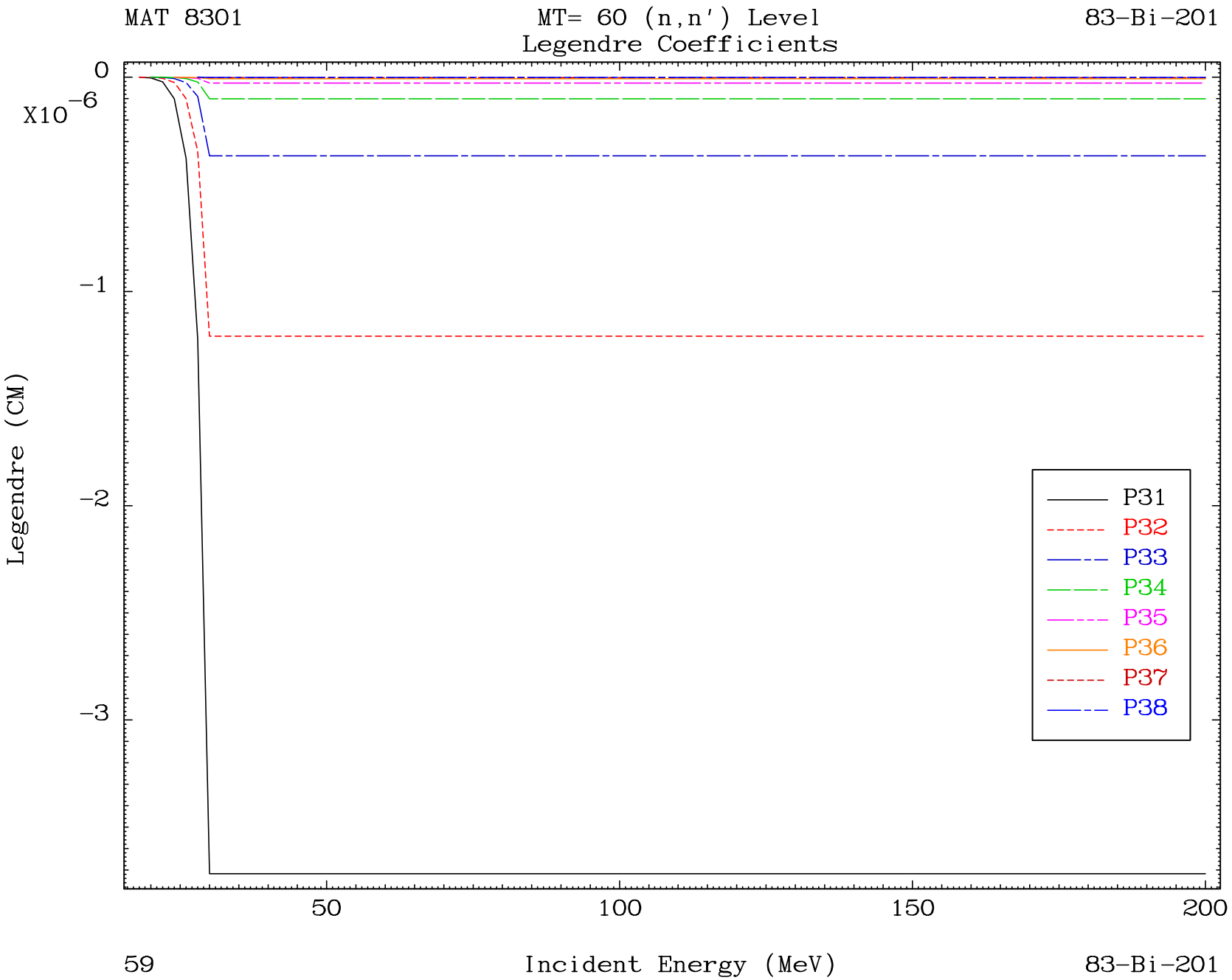

MAT 8301
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-201
0.003
0.002
0.001
0.000
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
54
Incident Energy (MeV)
83-Bi-201

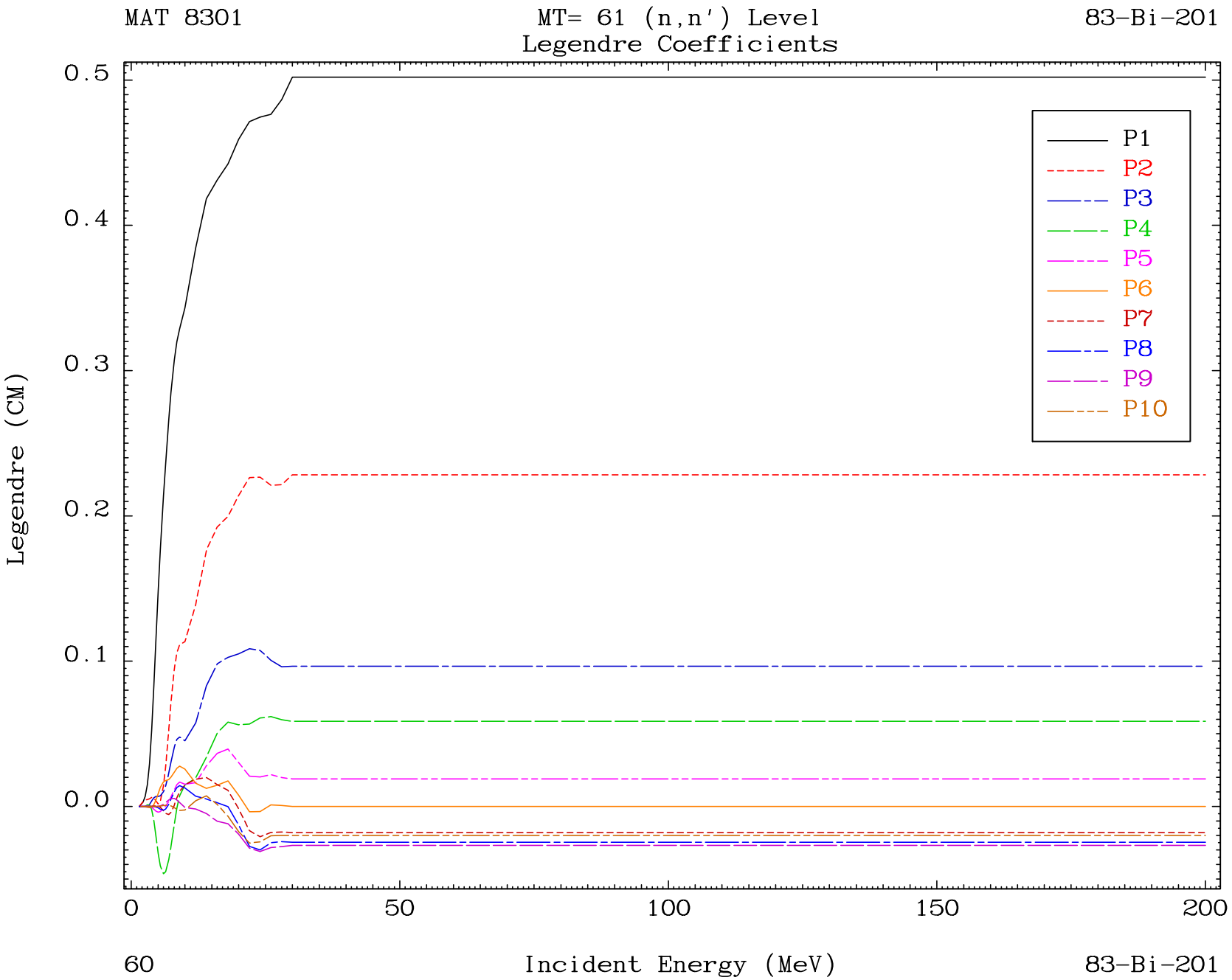

MAT 8301
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
55
Incident Energy (MeV)
83-Bi-201

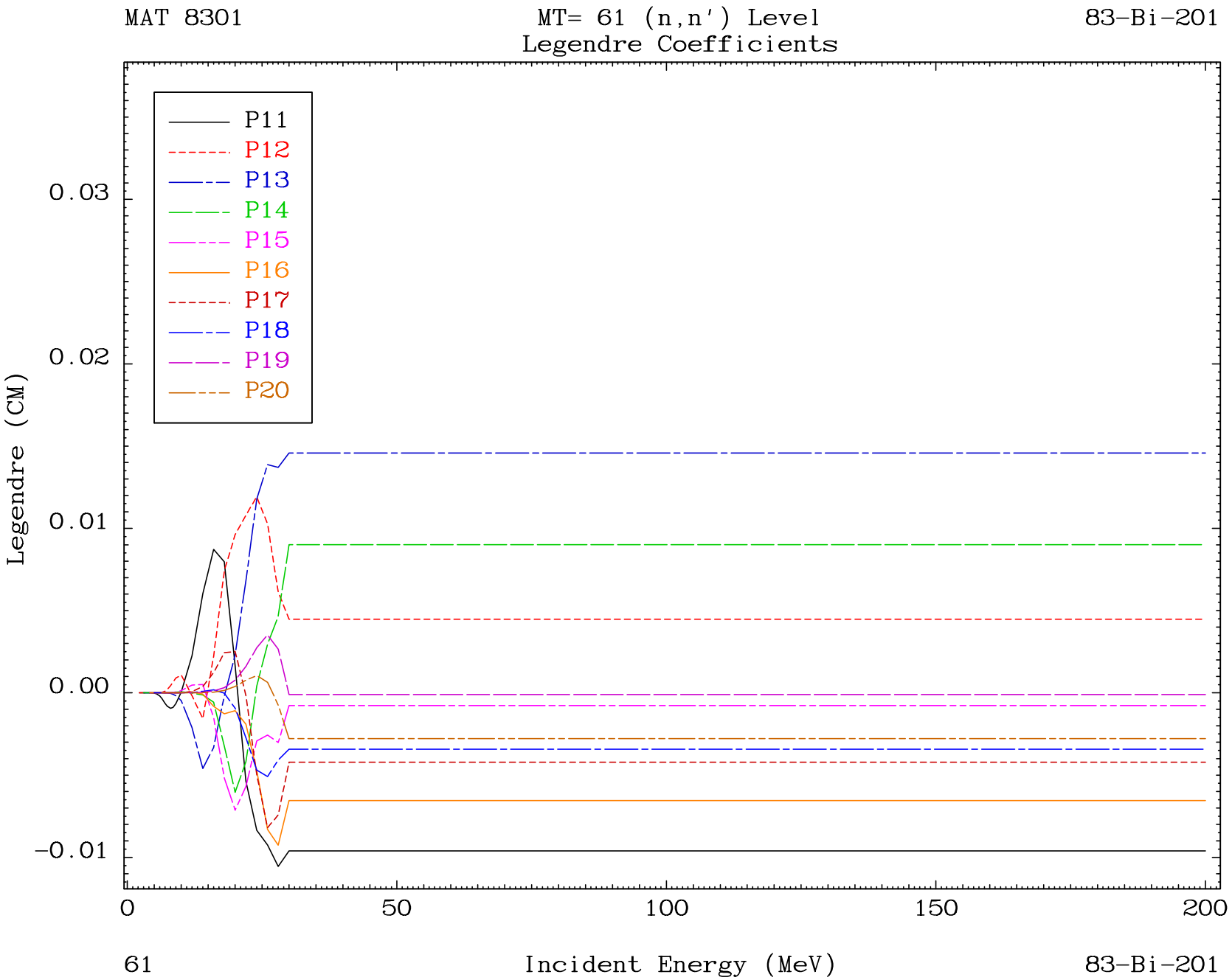

MAT 8301
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
56
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

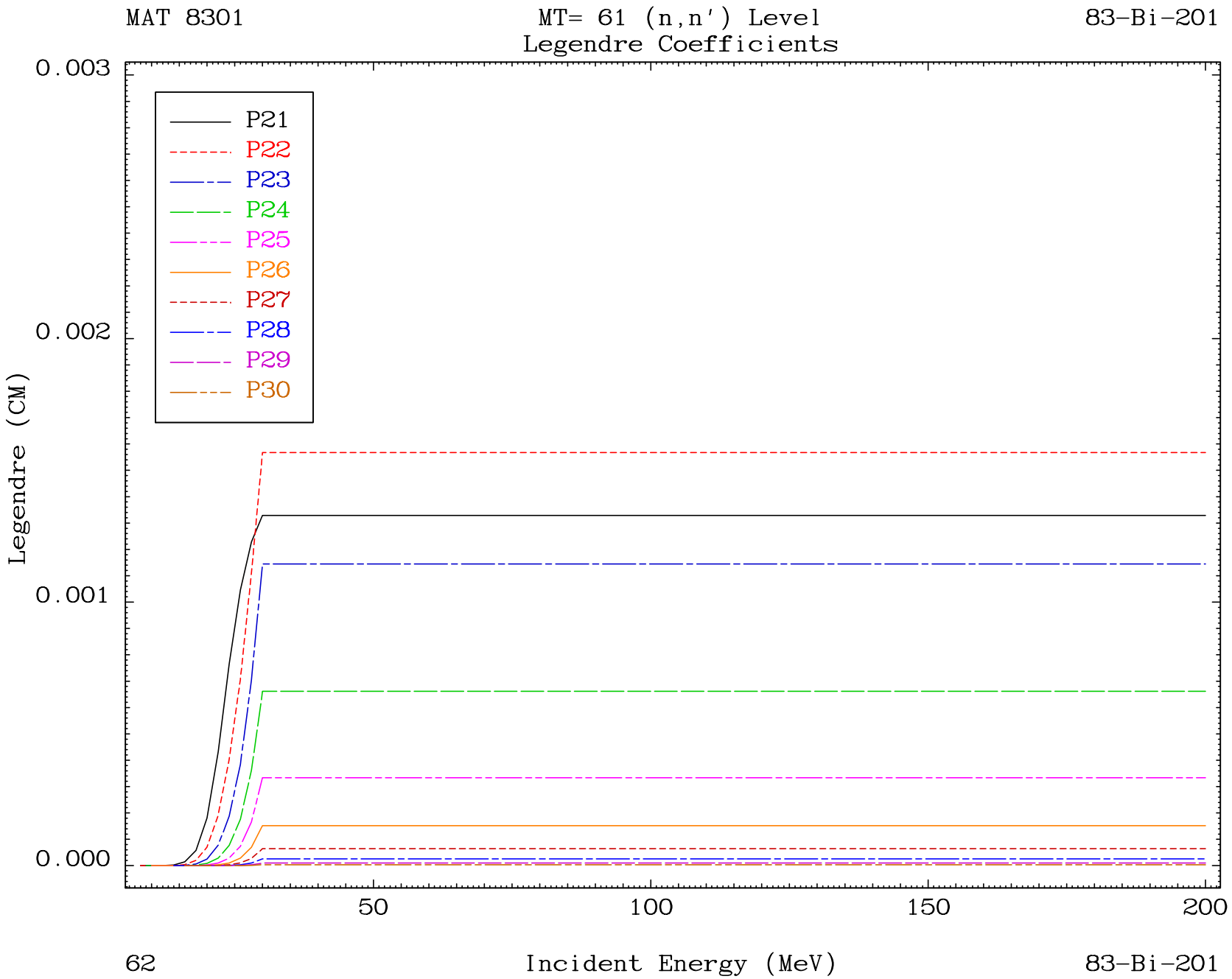

MAT 8301
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
83-Bi-201

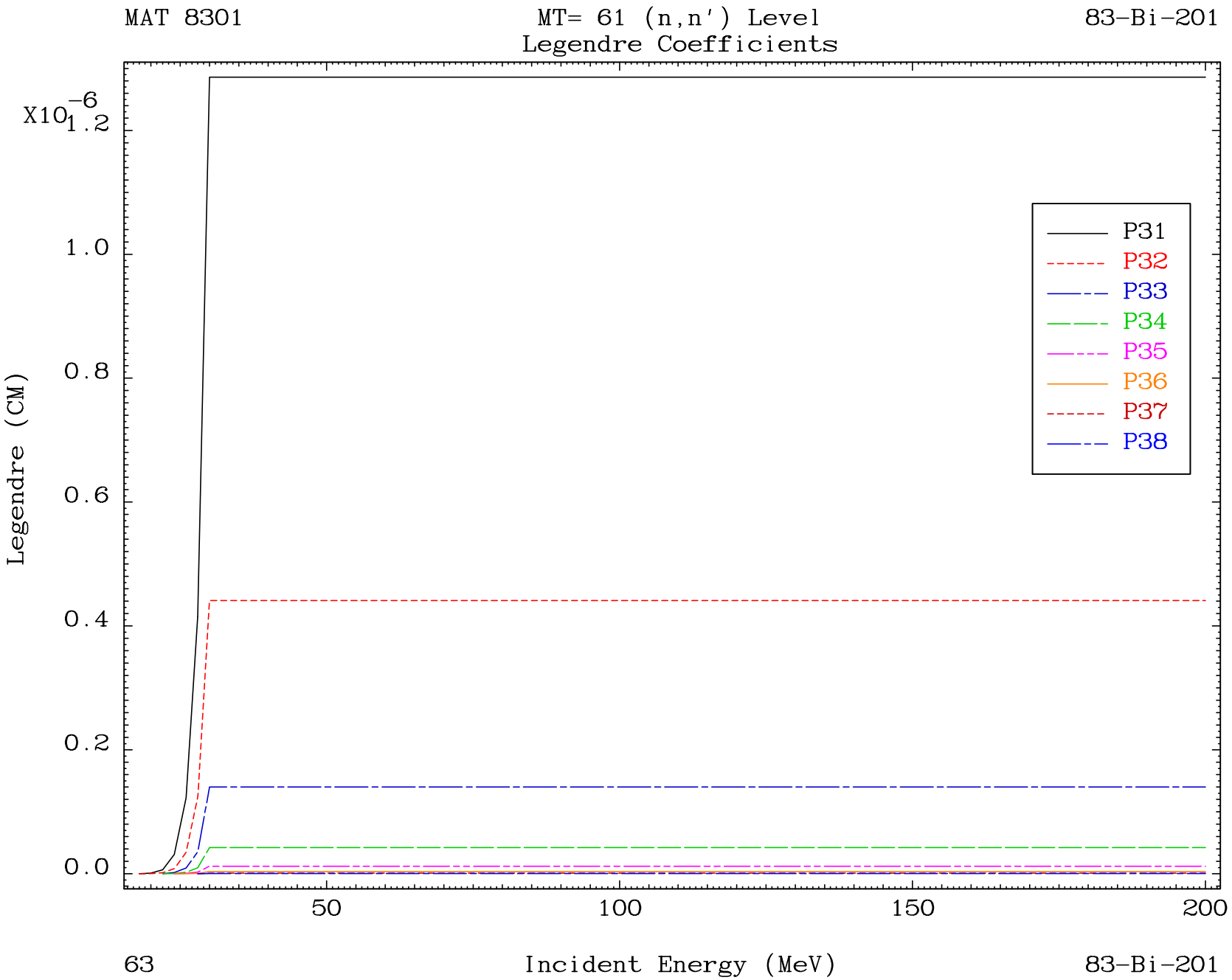

MAT 8301
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-201
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.015
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
58
Incident Energy (MeV)
83-Bi-201

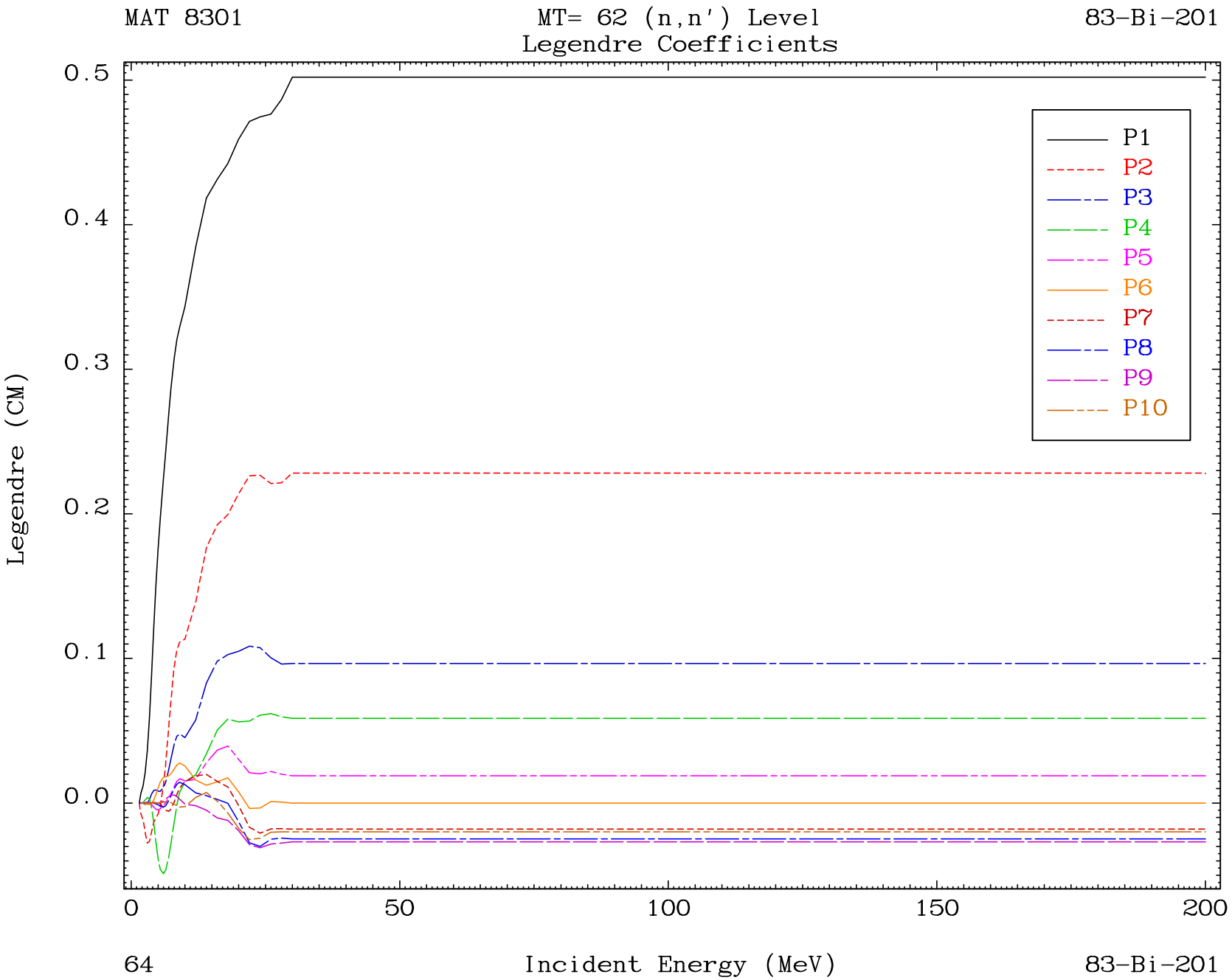

MAT 8301
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

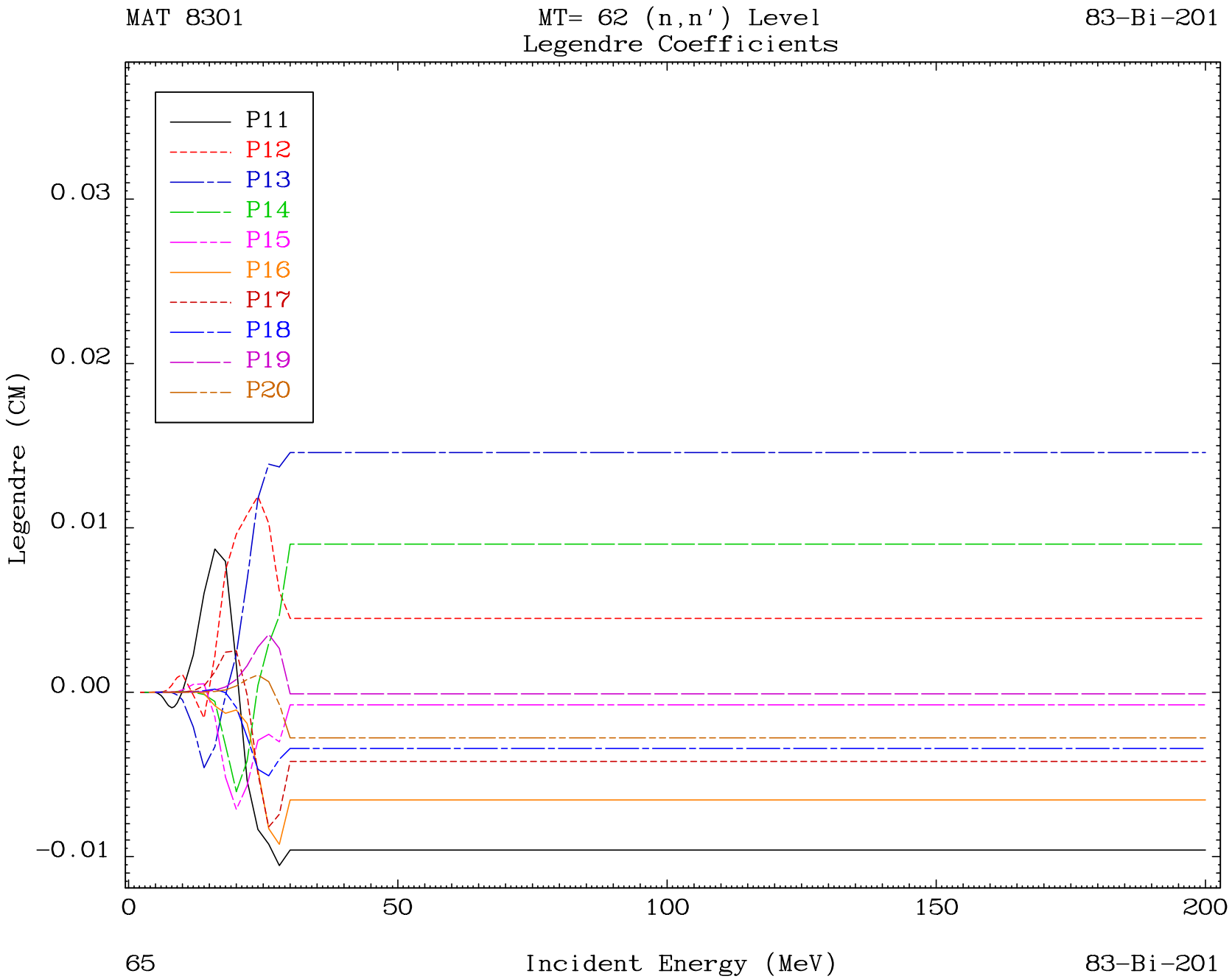

MAT 8301
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
60
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

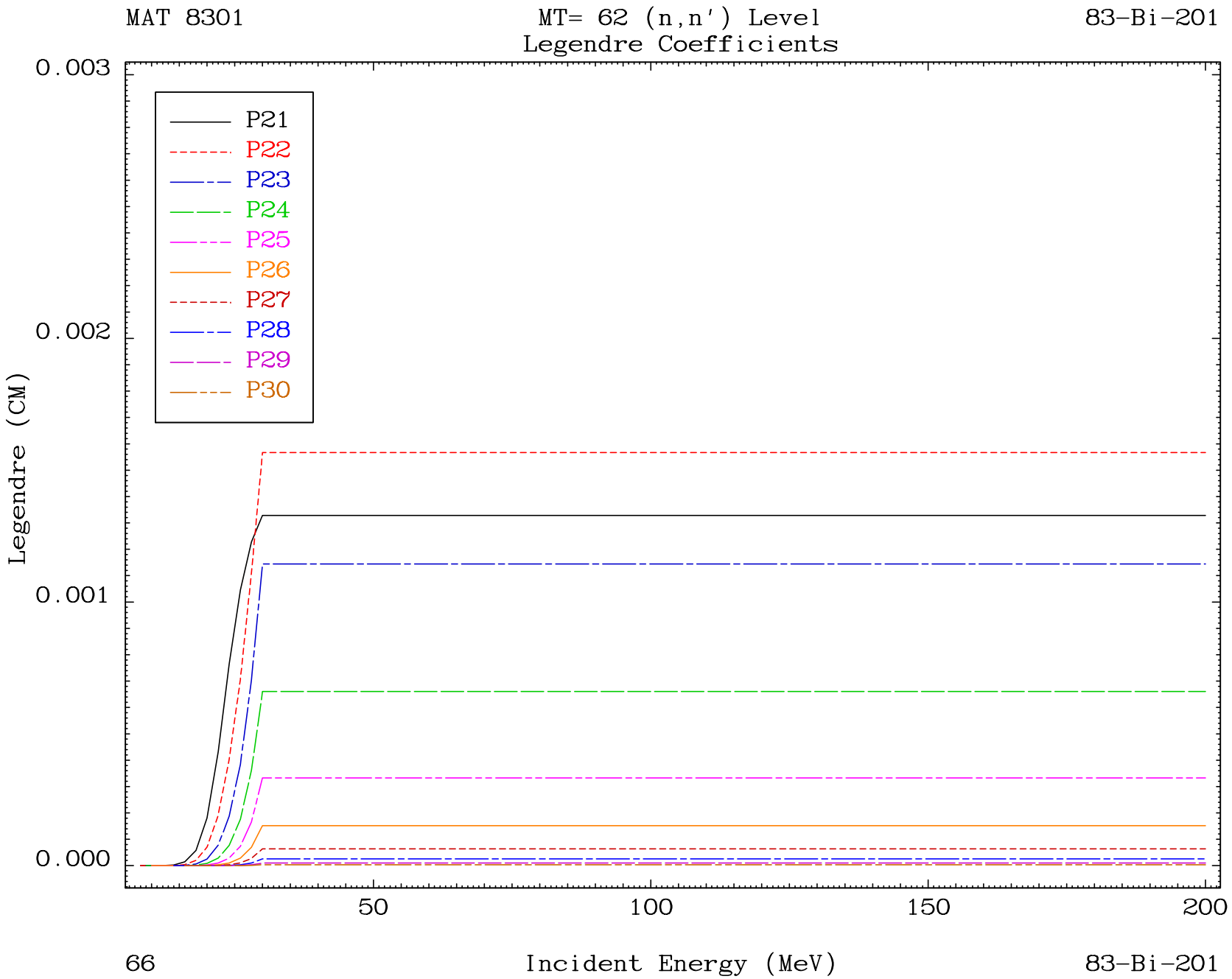

MAT 8301
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
83-Bi-201

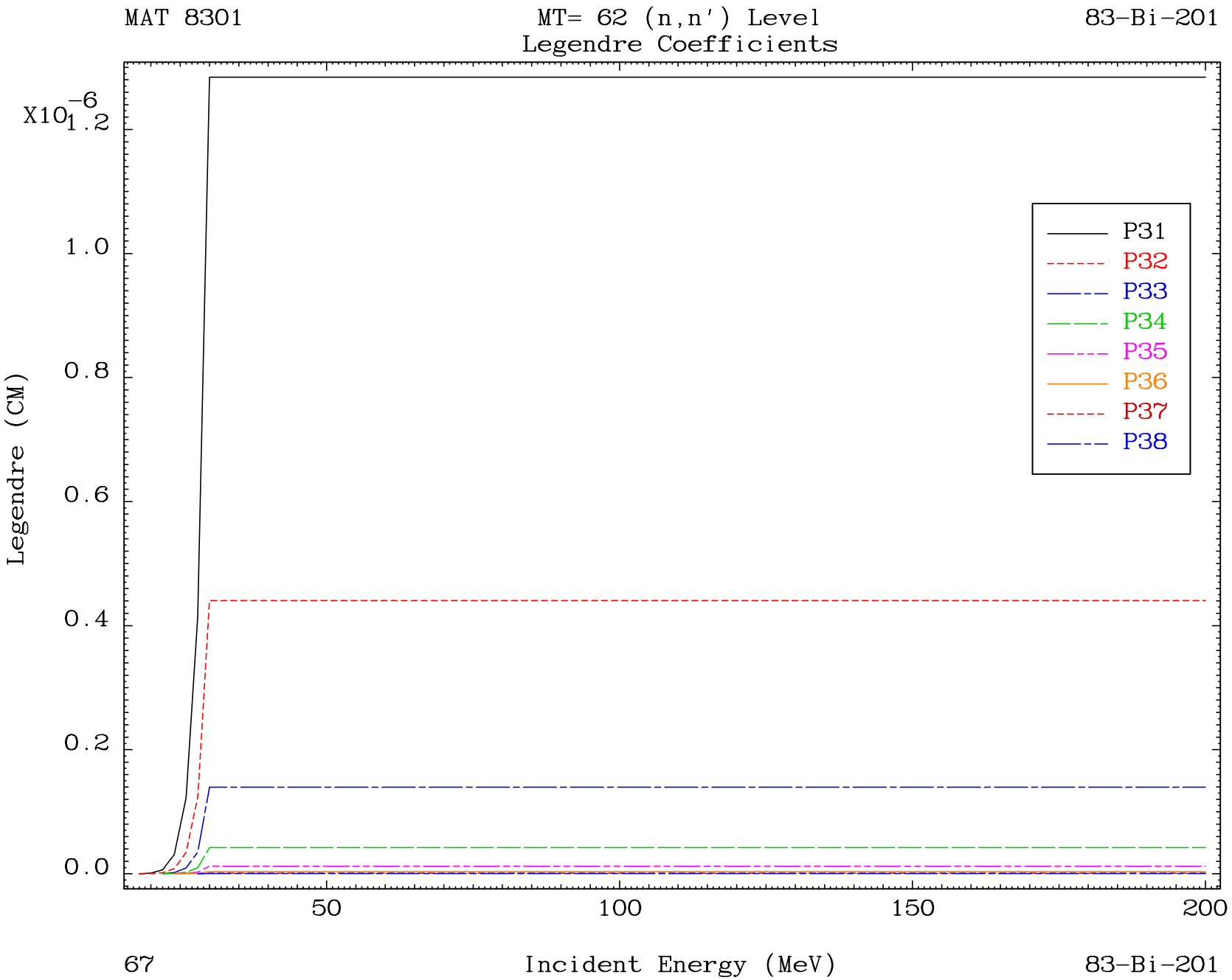

MAT 8301
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-201
0.003
0.002
0.001
0.000
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
62
Incident Energy (MeV)
83-Bi-201

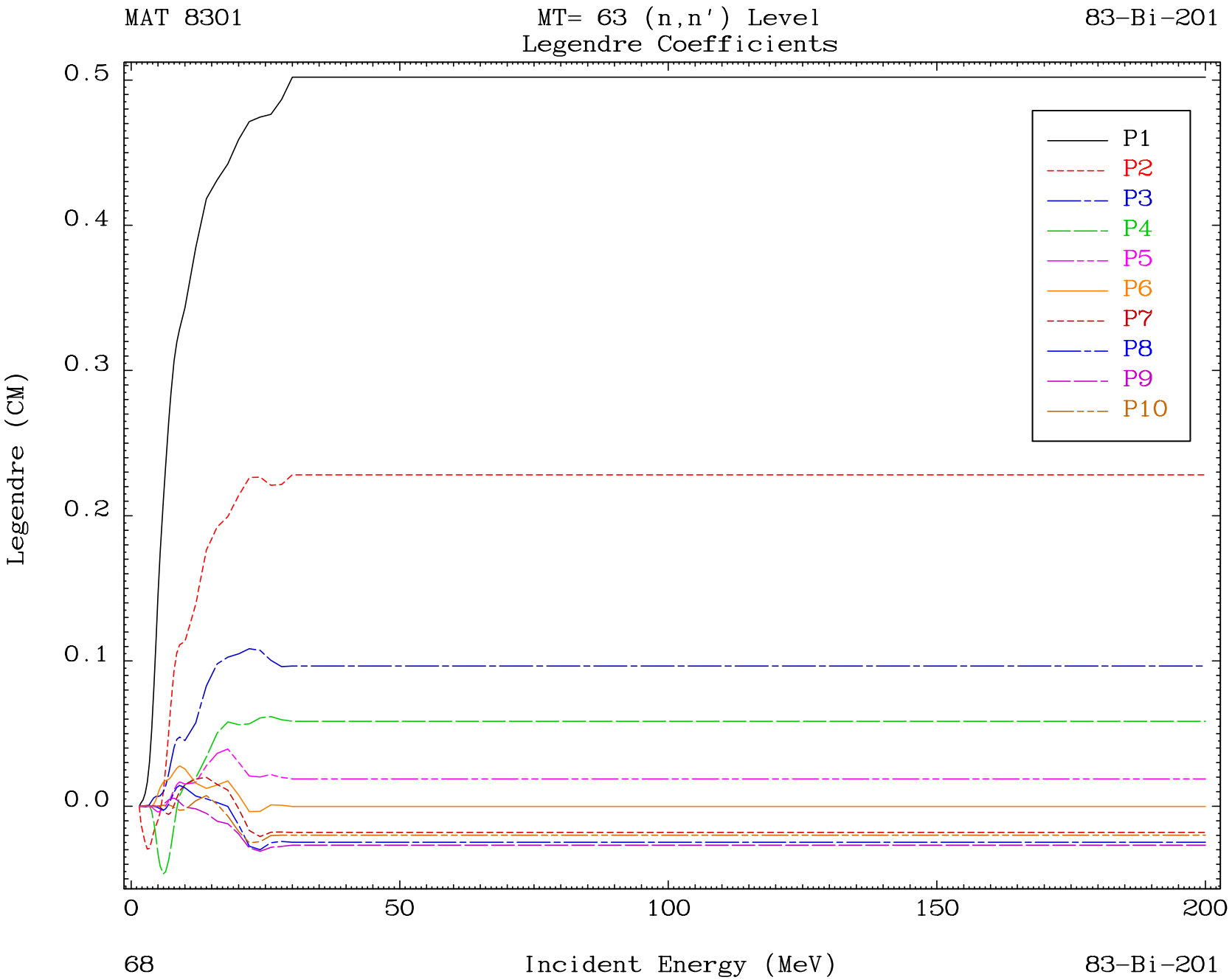

MAT 8301
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
63
Incident Energy (MeV)
83-Bi-201

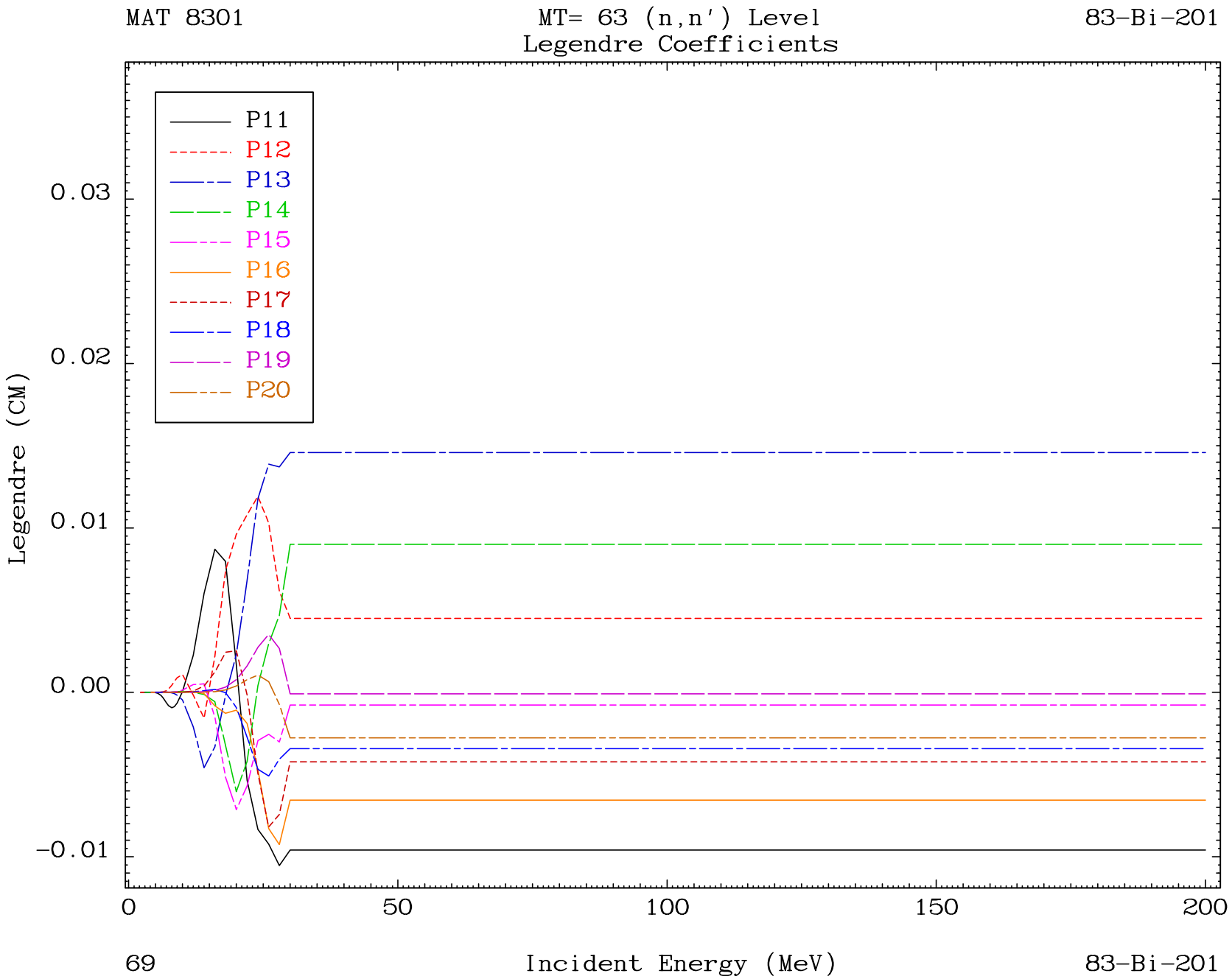

MAT 8301
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-201
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
64
Incident Energy (MeV)
83-Bi-201

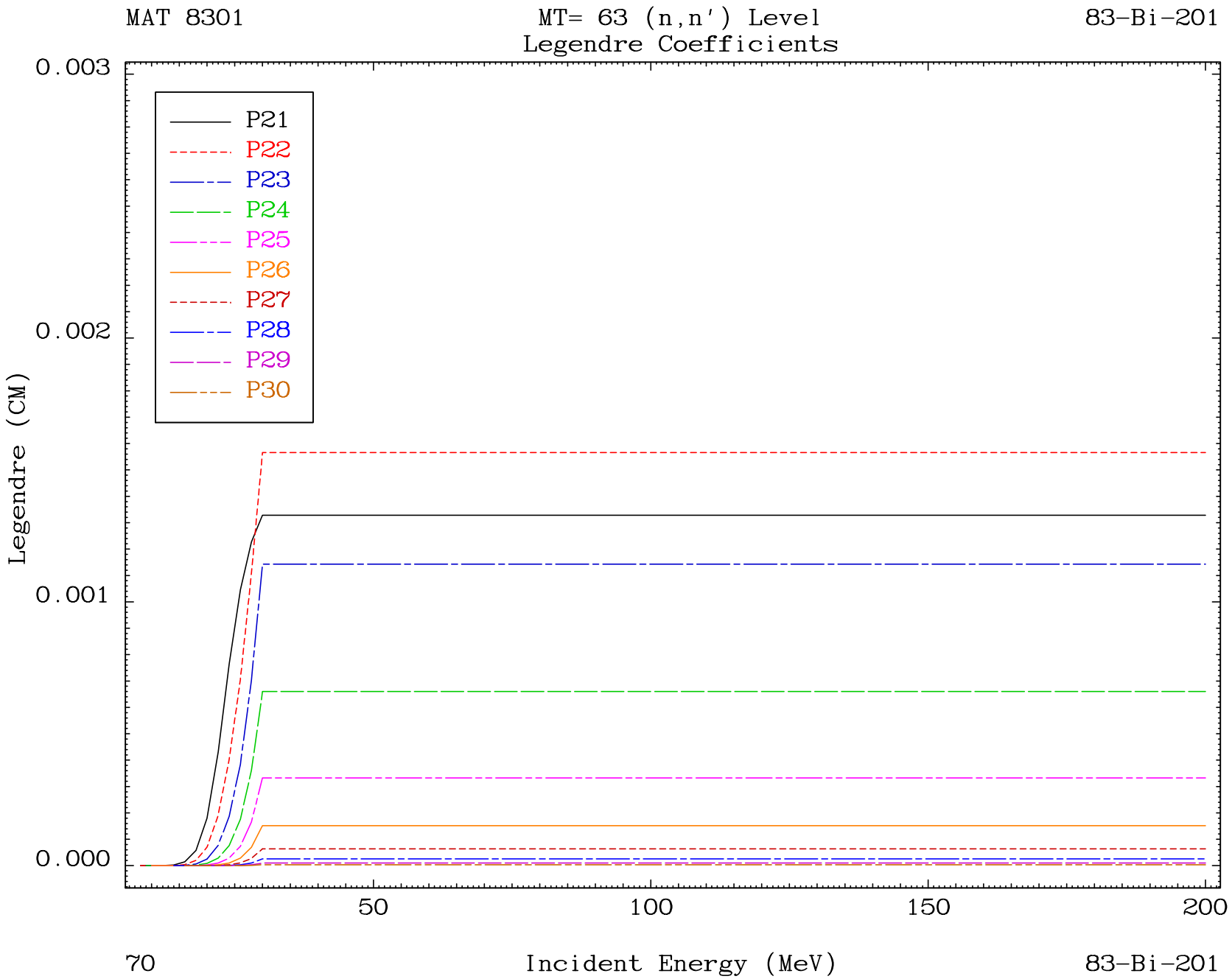

MAT 8301
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
65
Incident Energy (MeV)
83-Bi-201

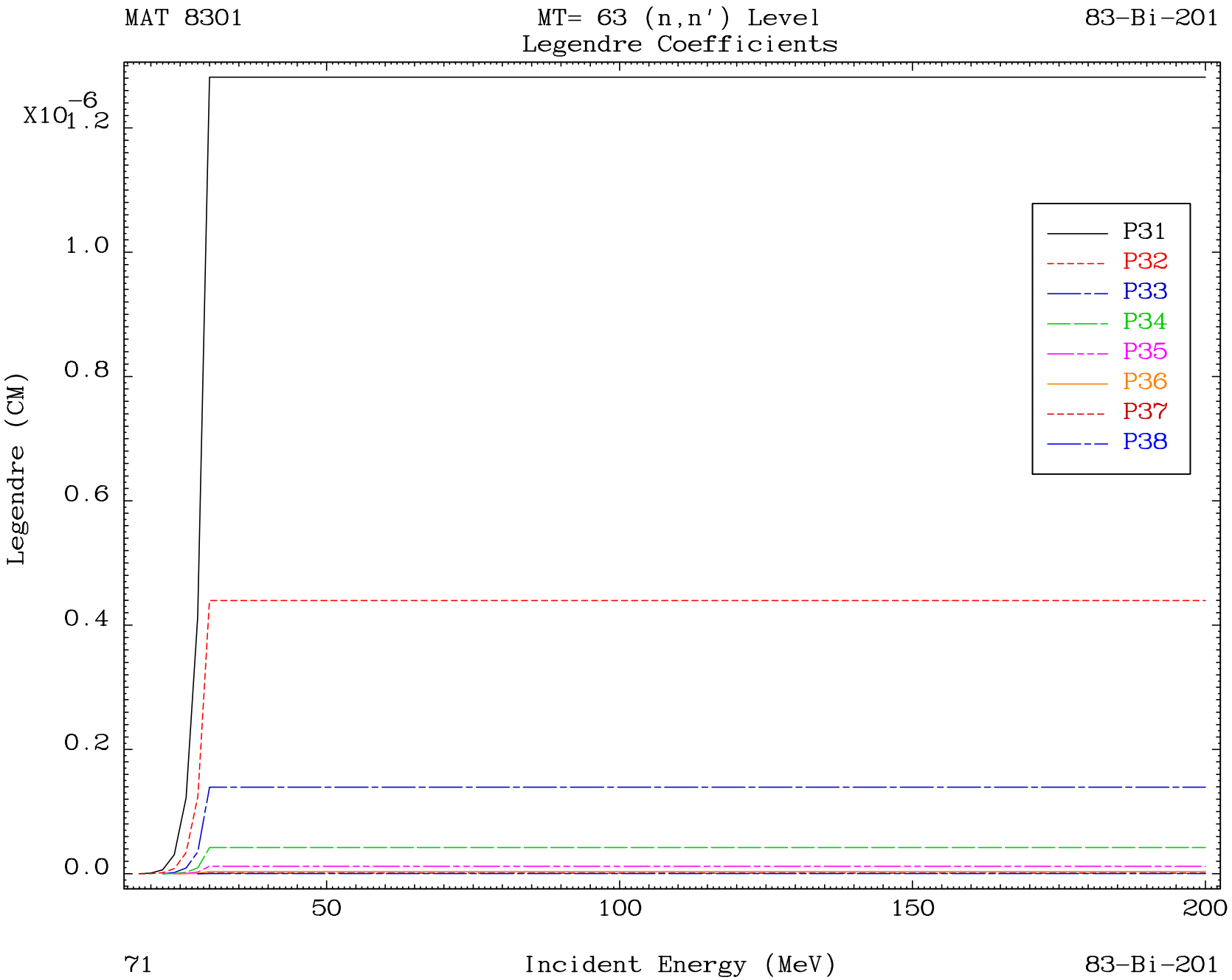

MAT 8301
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-201
0.003
0.002
0.001
0.000
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
66
Incident Energy (MeV)
83-Bi-201

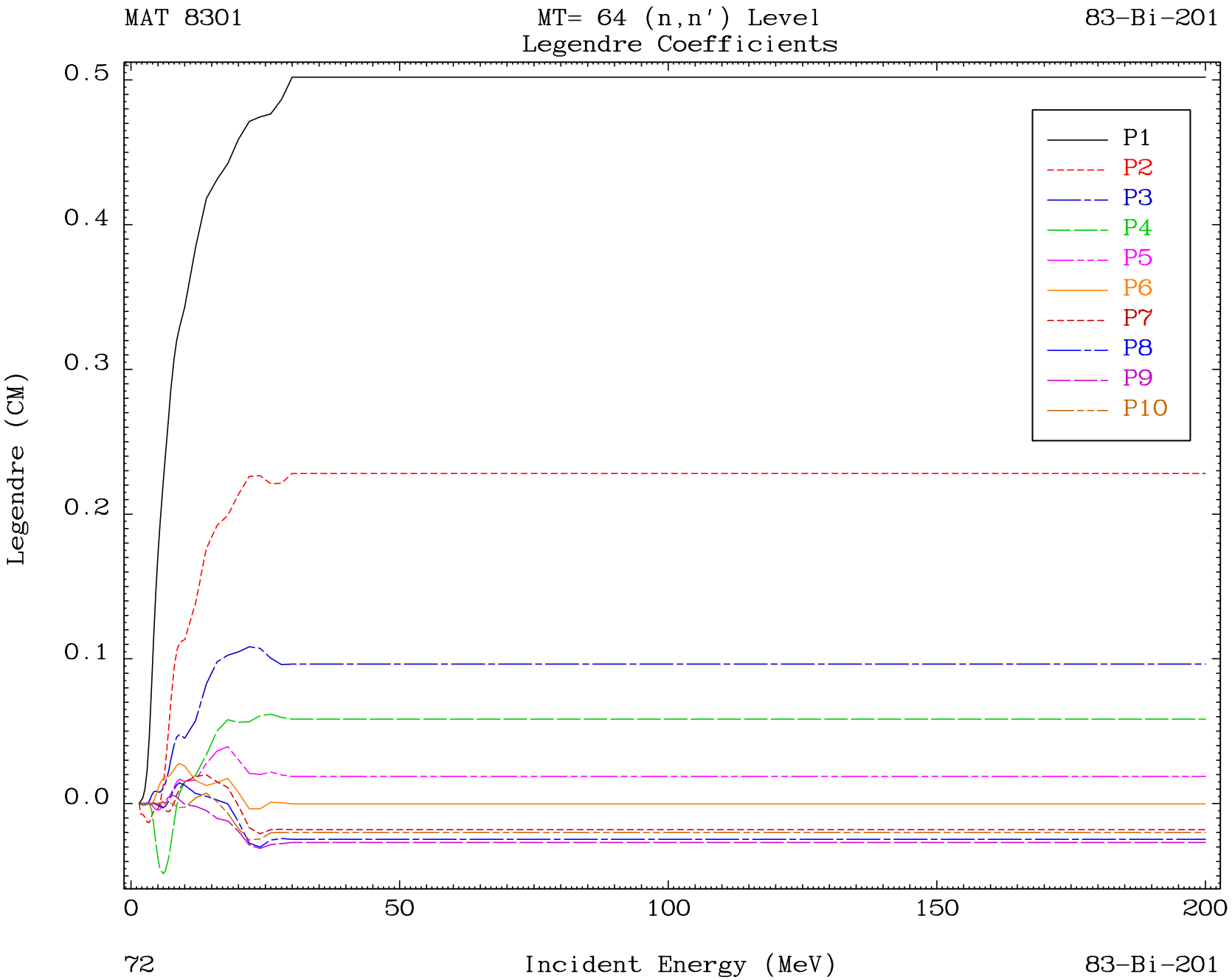

MAT 8301
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
67
Incident Energy (MeV)
83-Bi-201

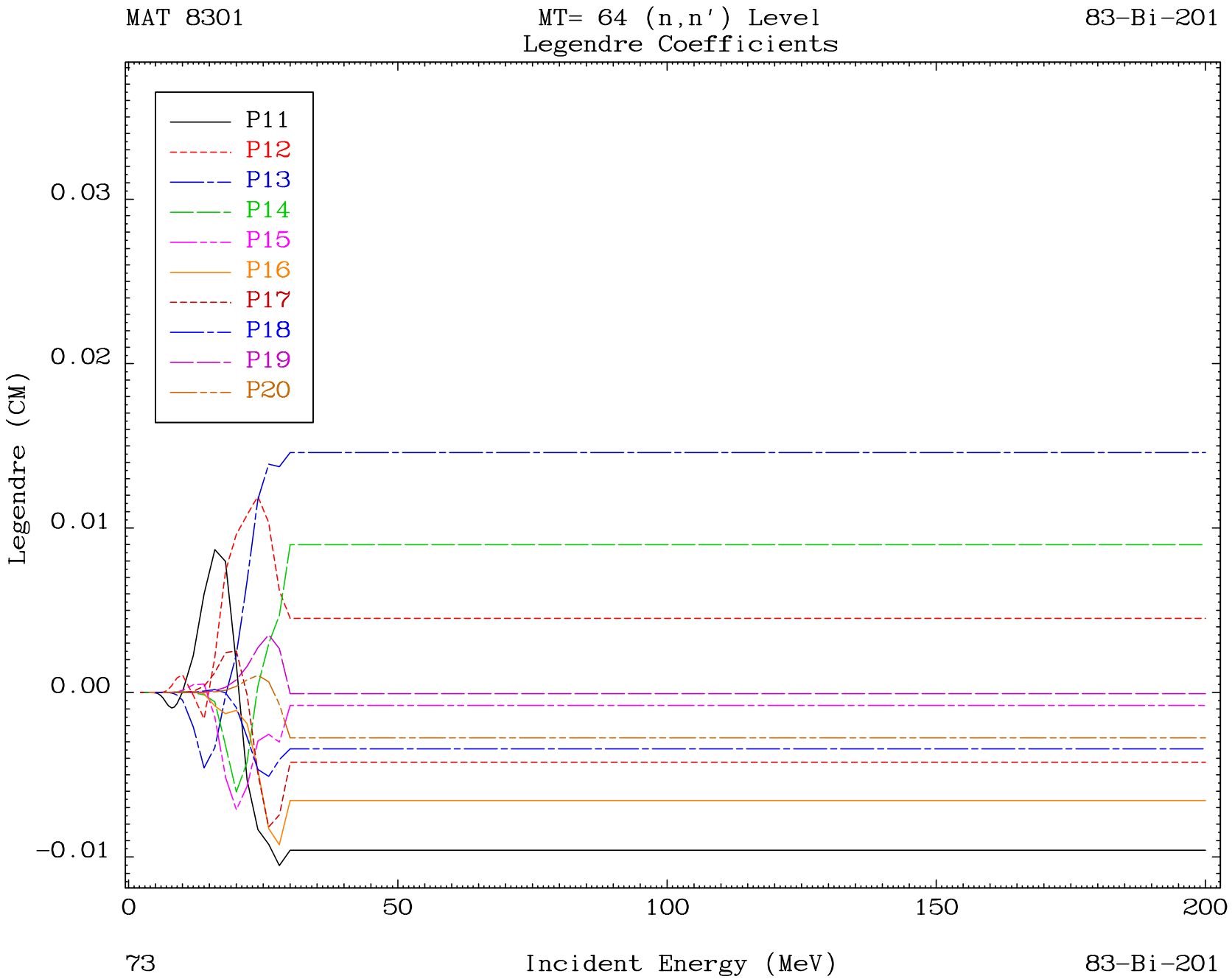

MAT 8301
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
68
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

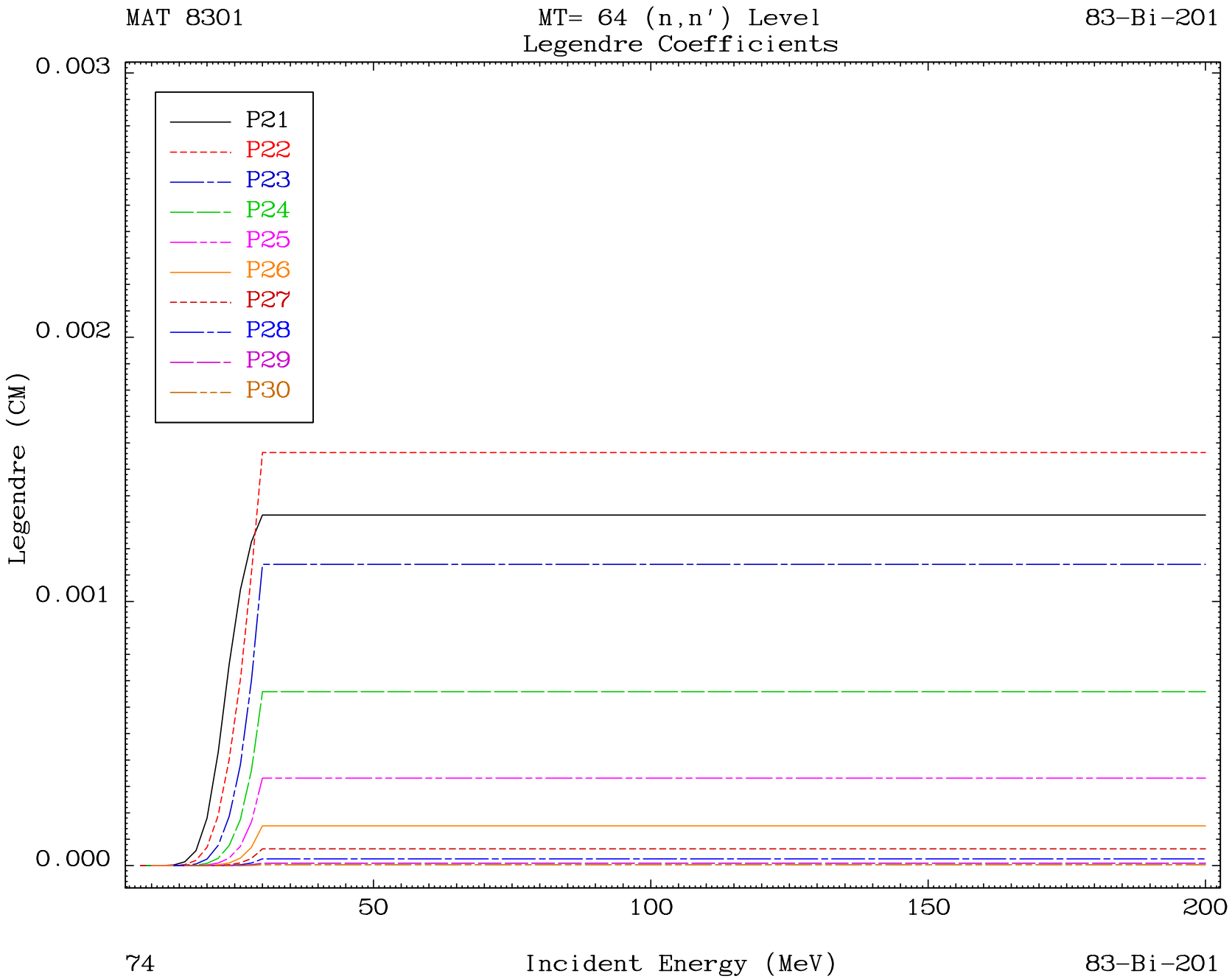

MAT 8301
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
83-Bi-201

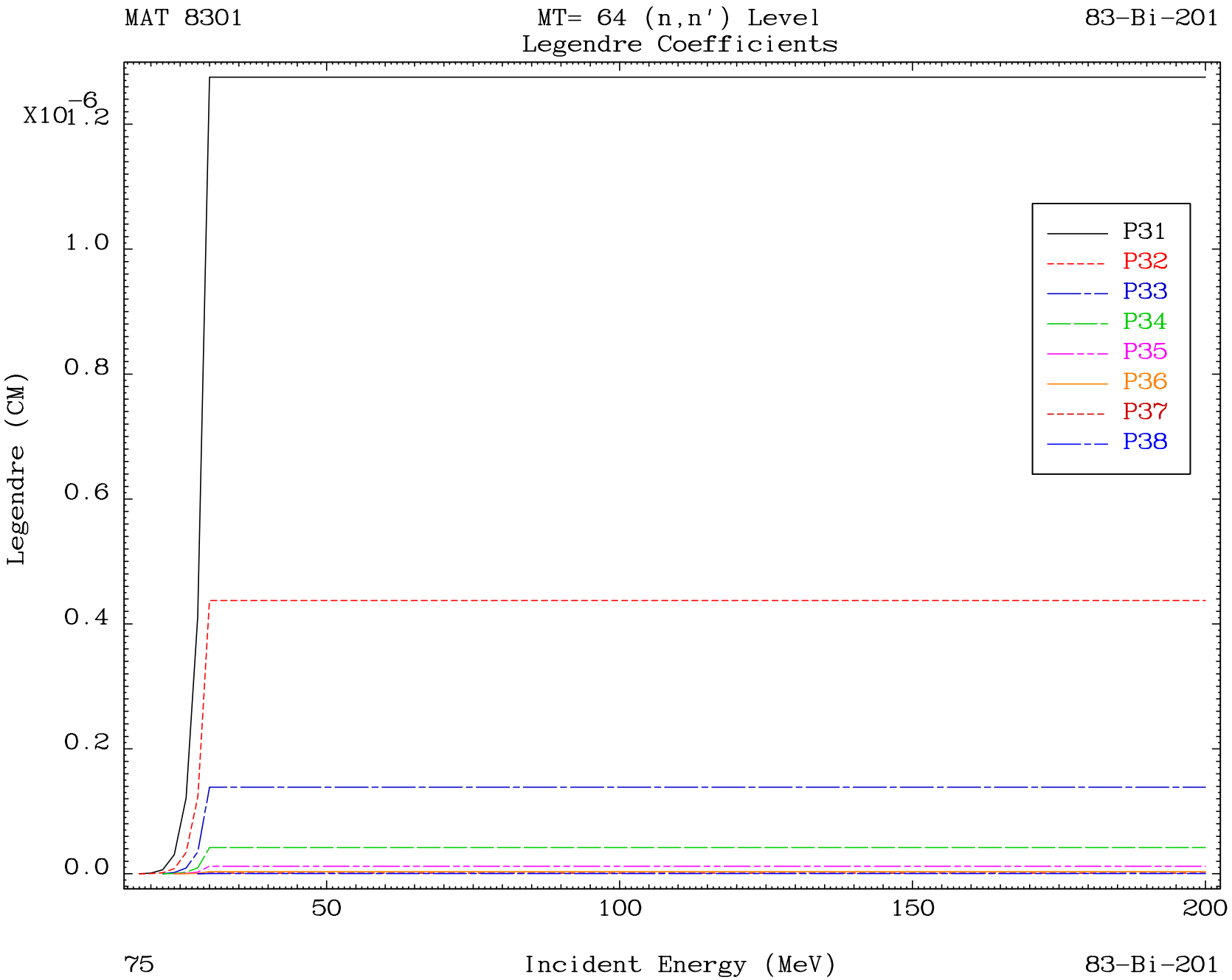

MAT 8301
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
83-Bi-201

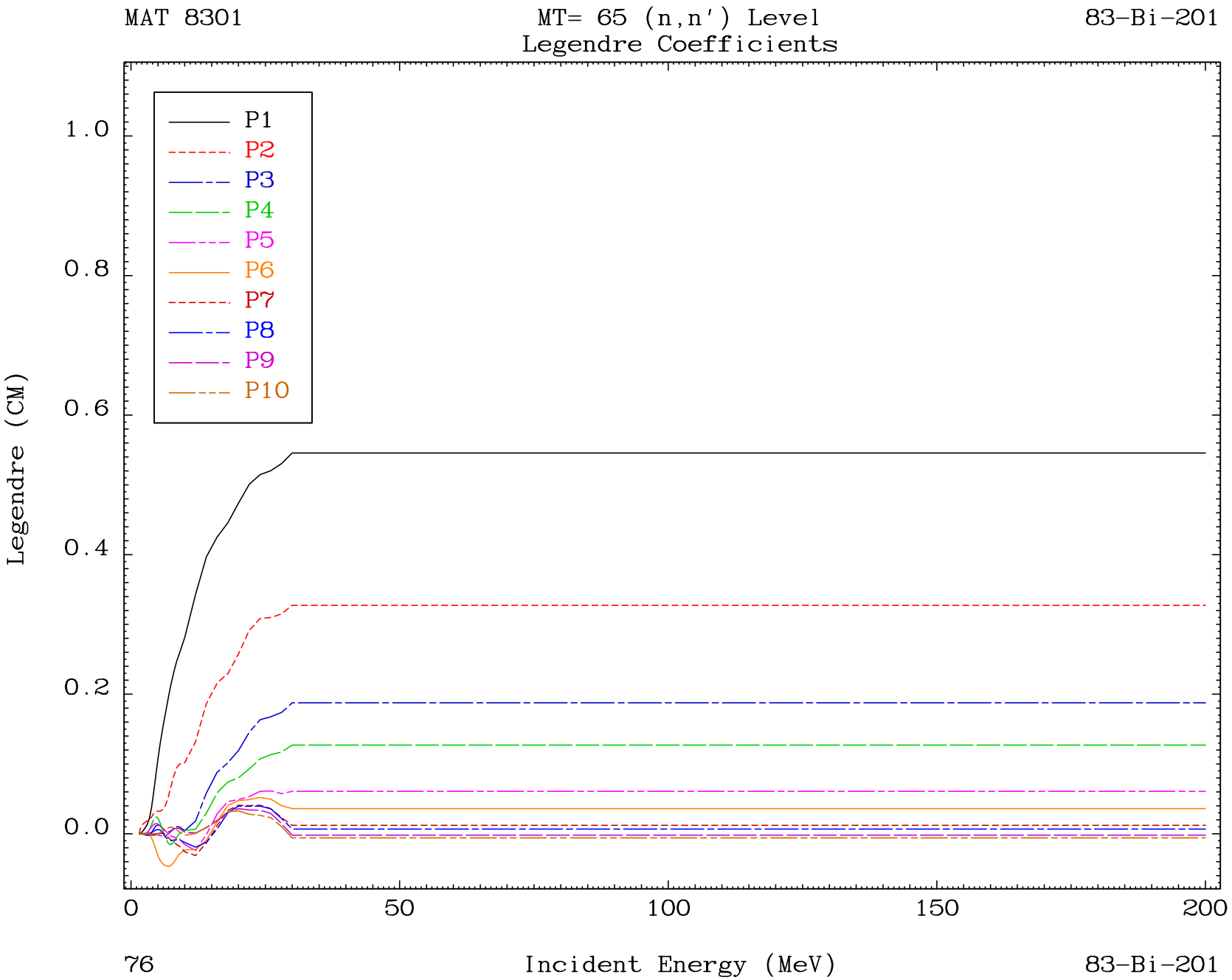

MAT 8301
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

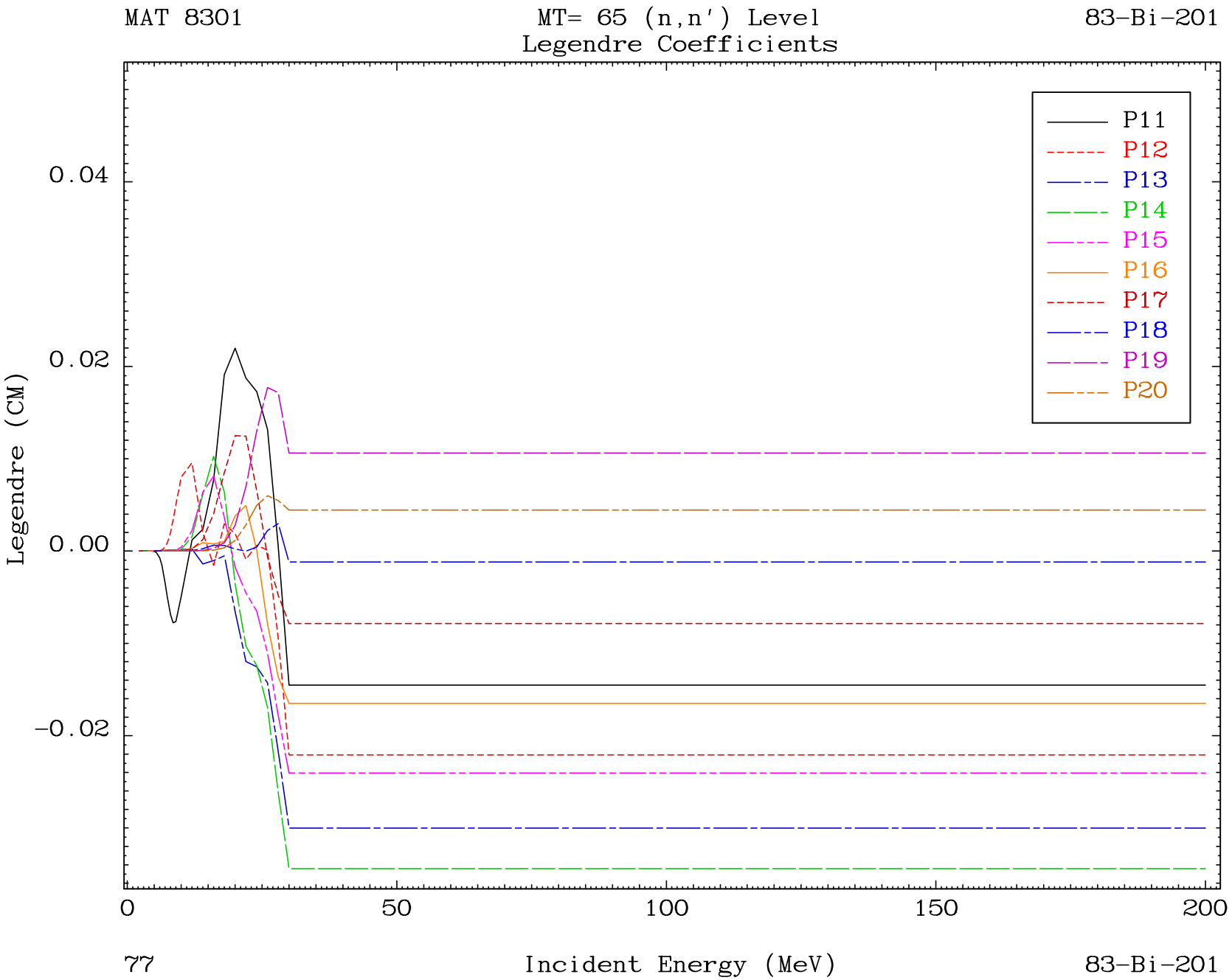

MAT 8301
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
72
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

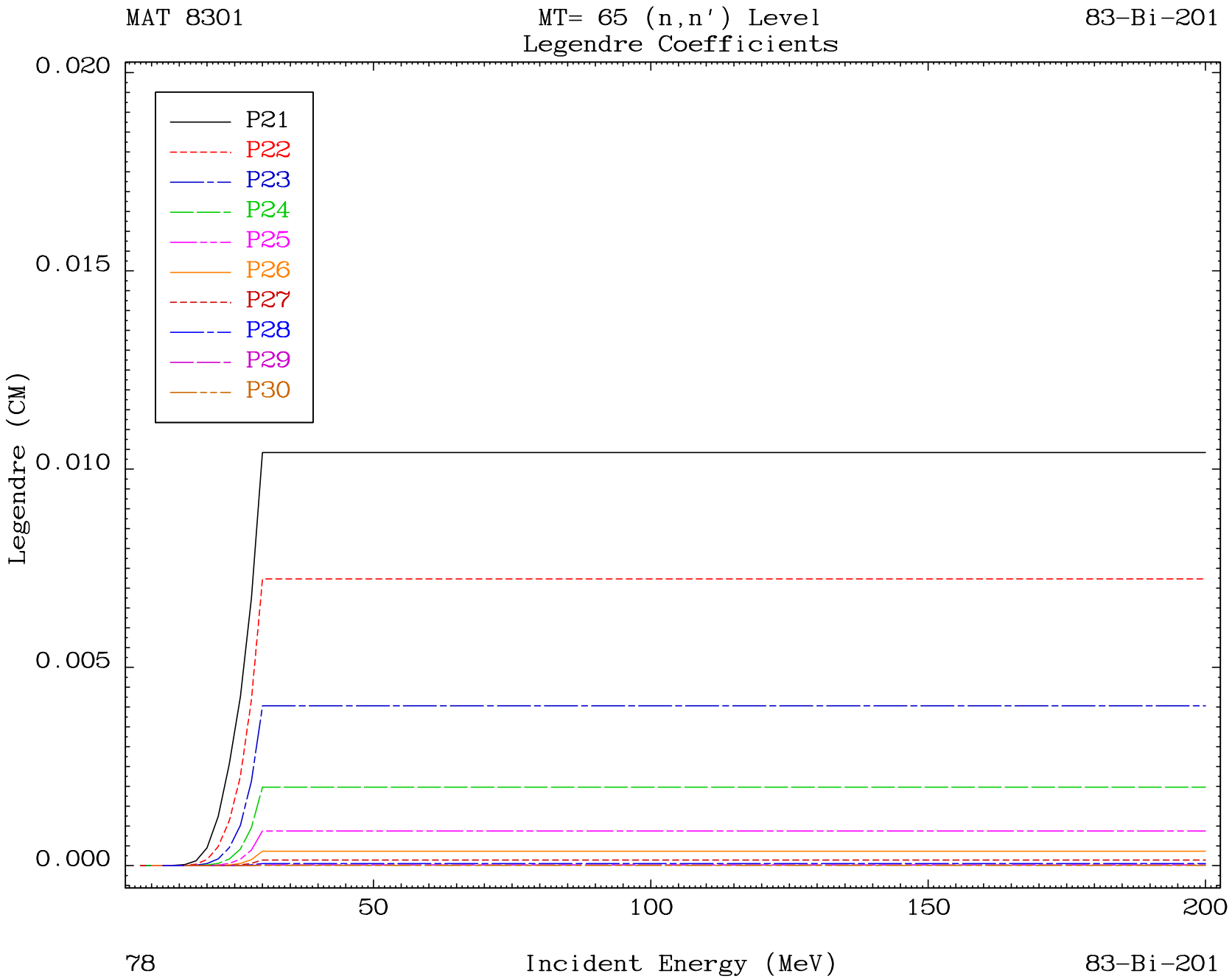

MAT 8301
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
83-Bi-201

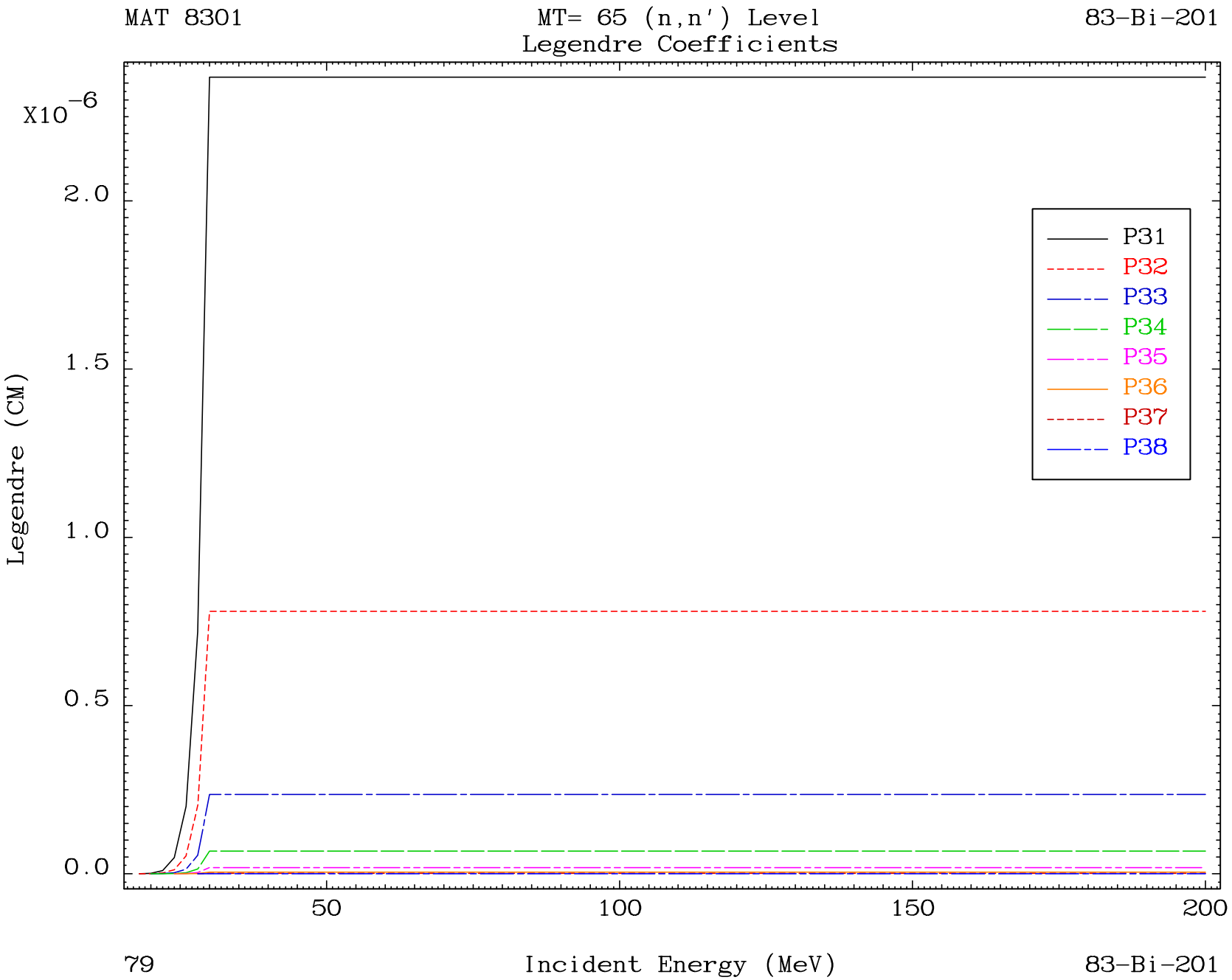

MAT 8301
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
83-Bi-201

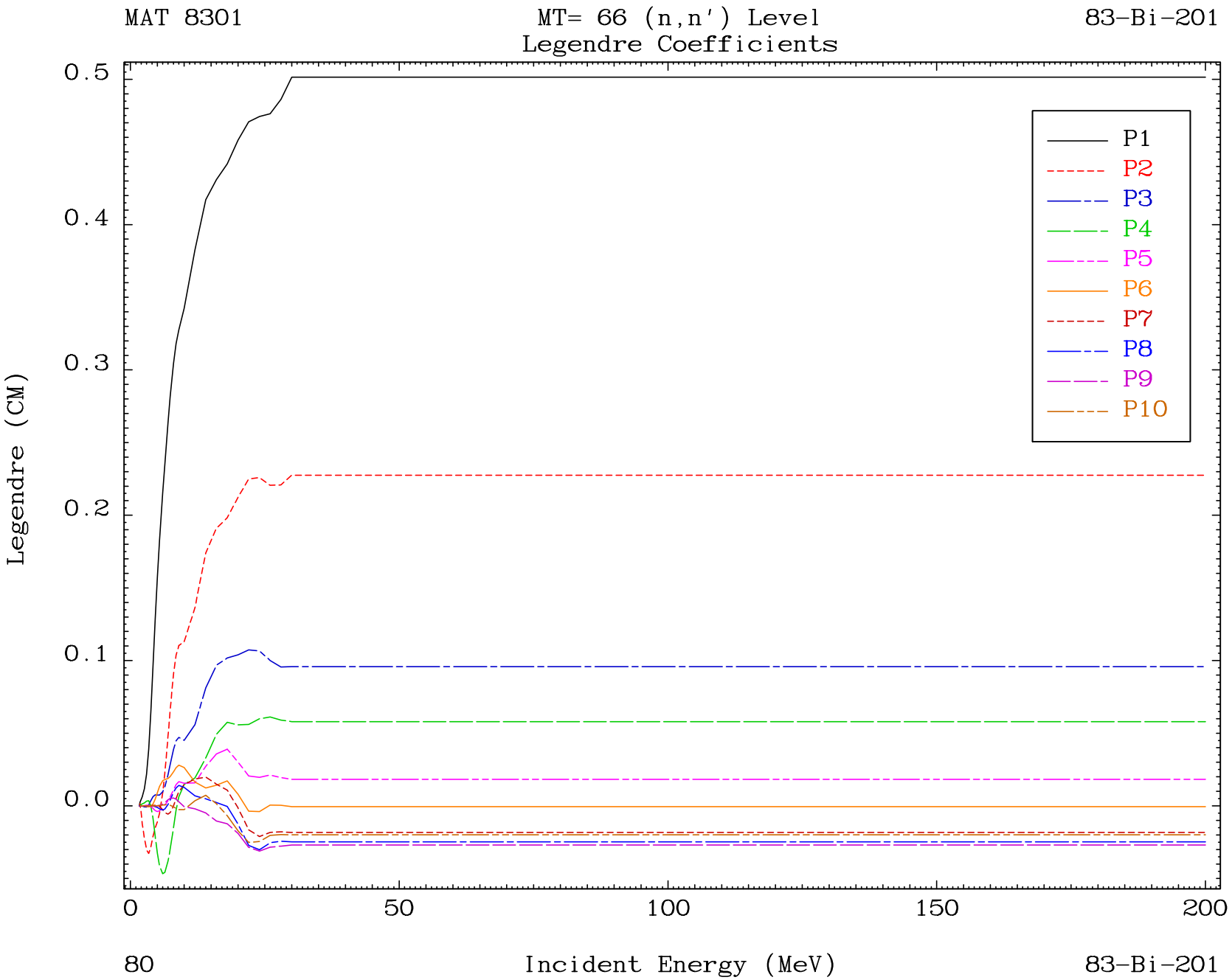

MAT 8301
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
75
Incident Energy (MeV)
83-Bi-201

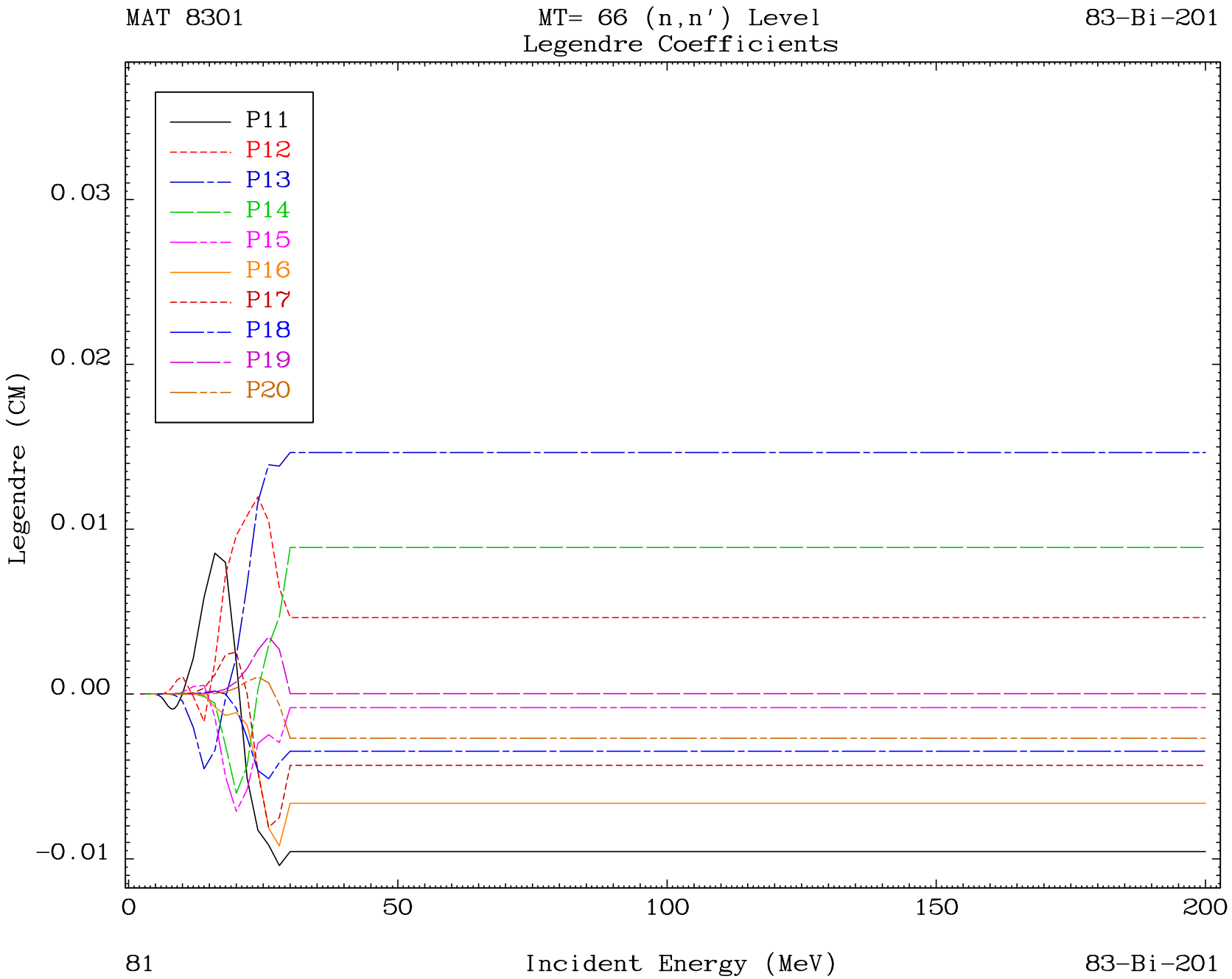

MAT 8301
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
83-Bi-201

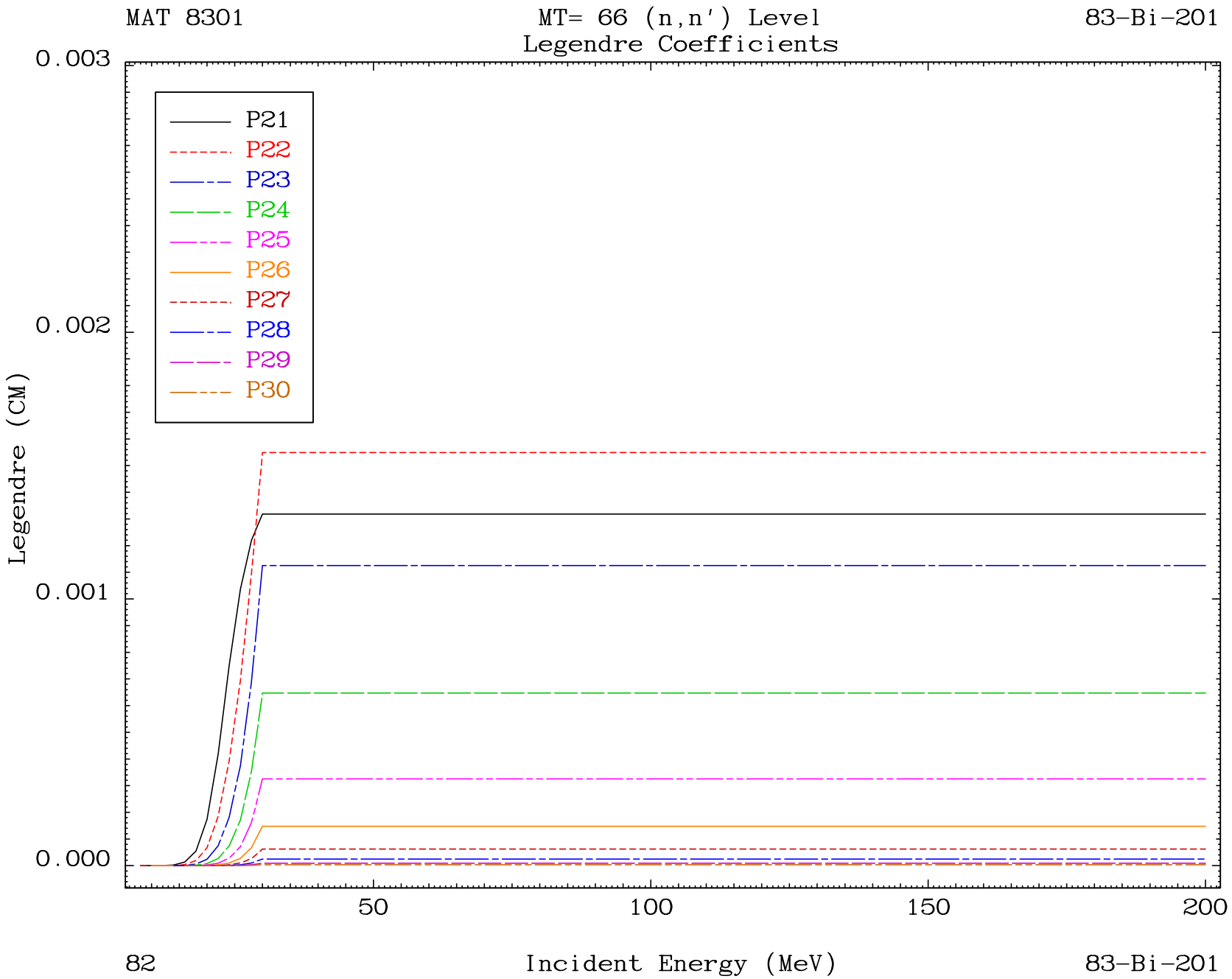

MAT 8301
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
77
Incident Energy (MeV)
83-Bi-201

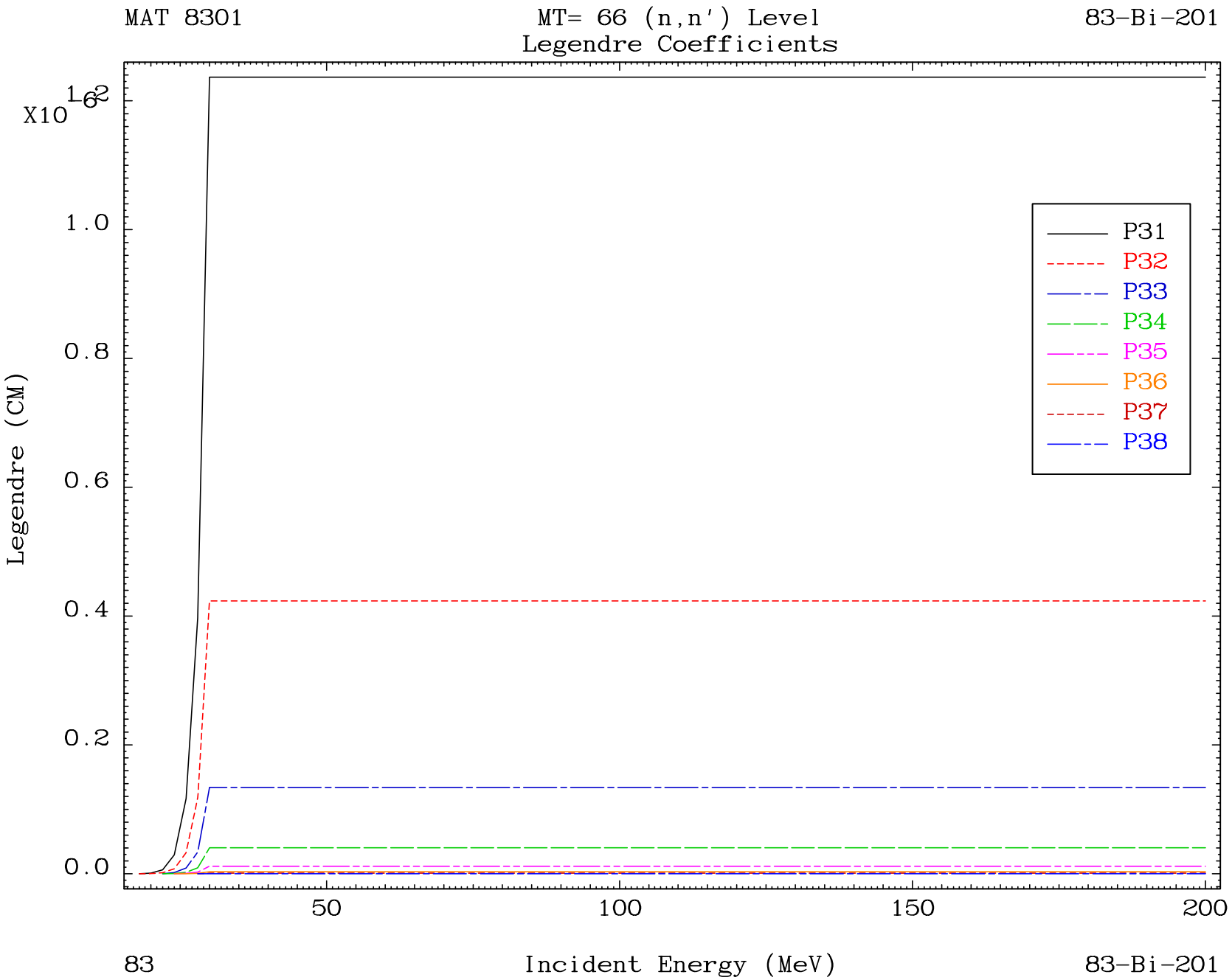

MAT 8301
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
83-Bi-201

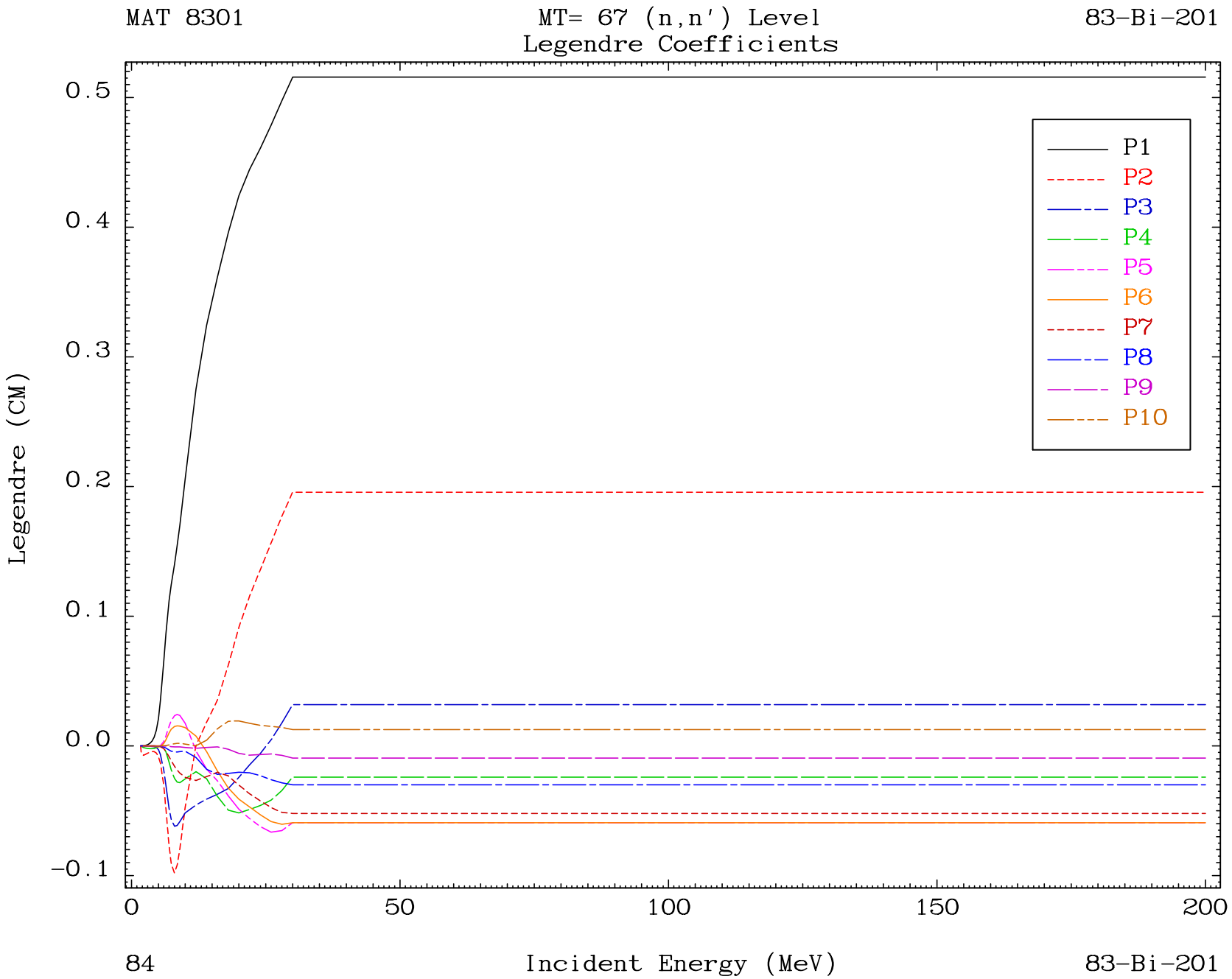

MAT 8301
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
79
Incident Energy (MeV)
83-Bi-201

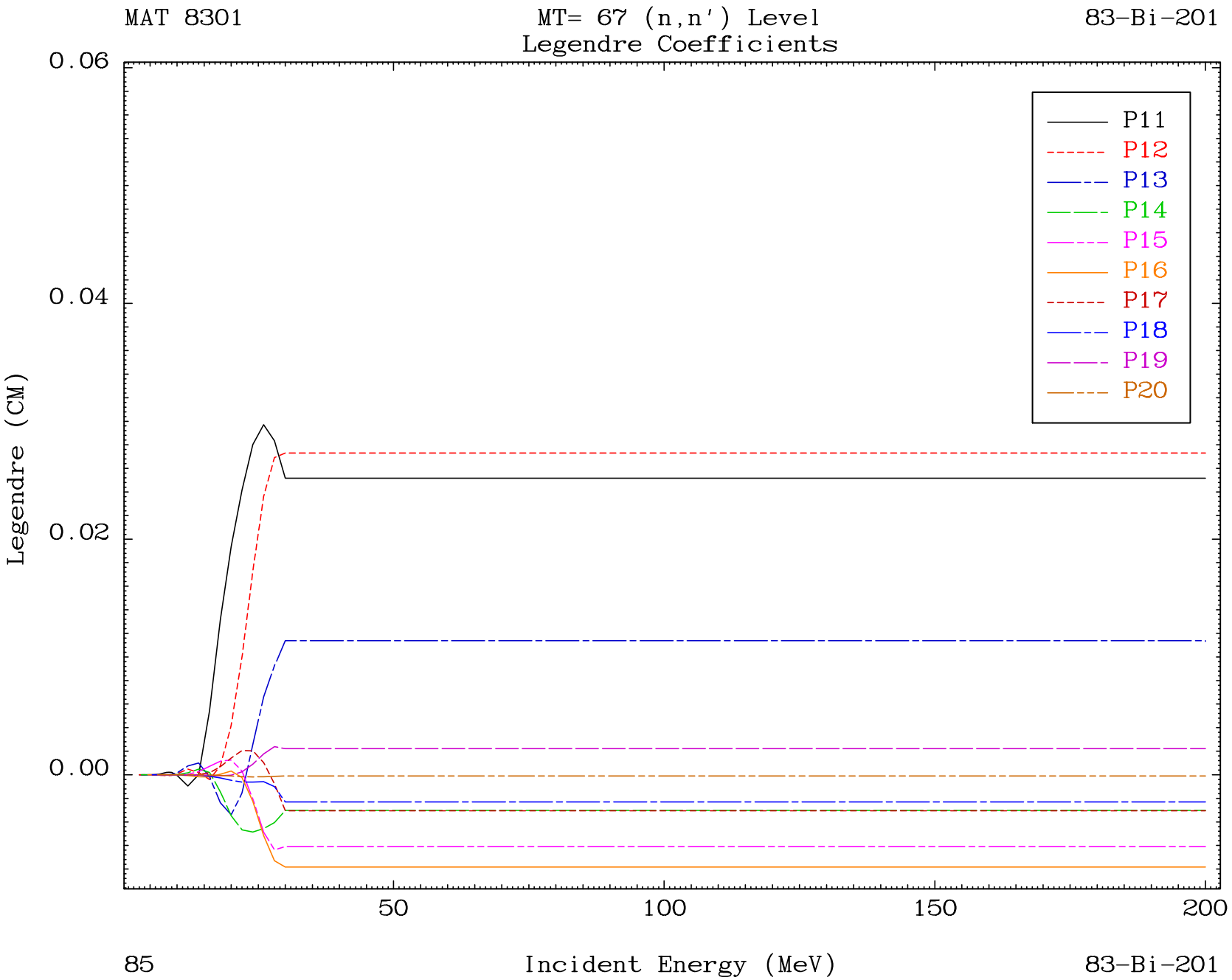

MAT 8301
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
80
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

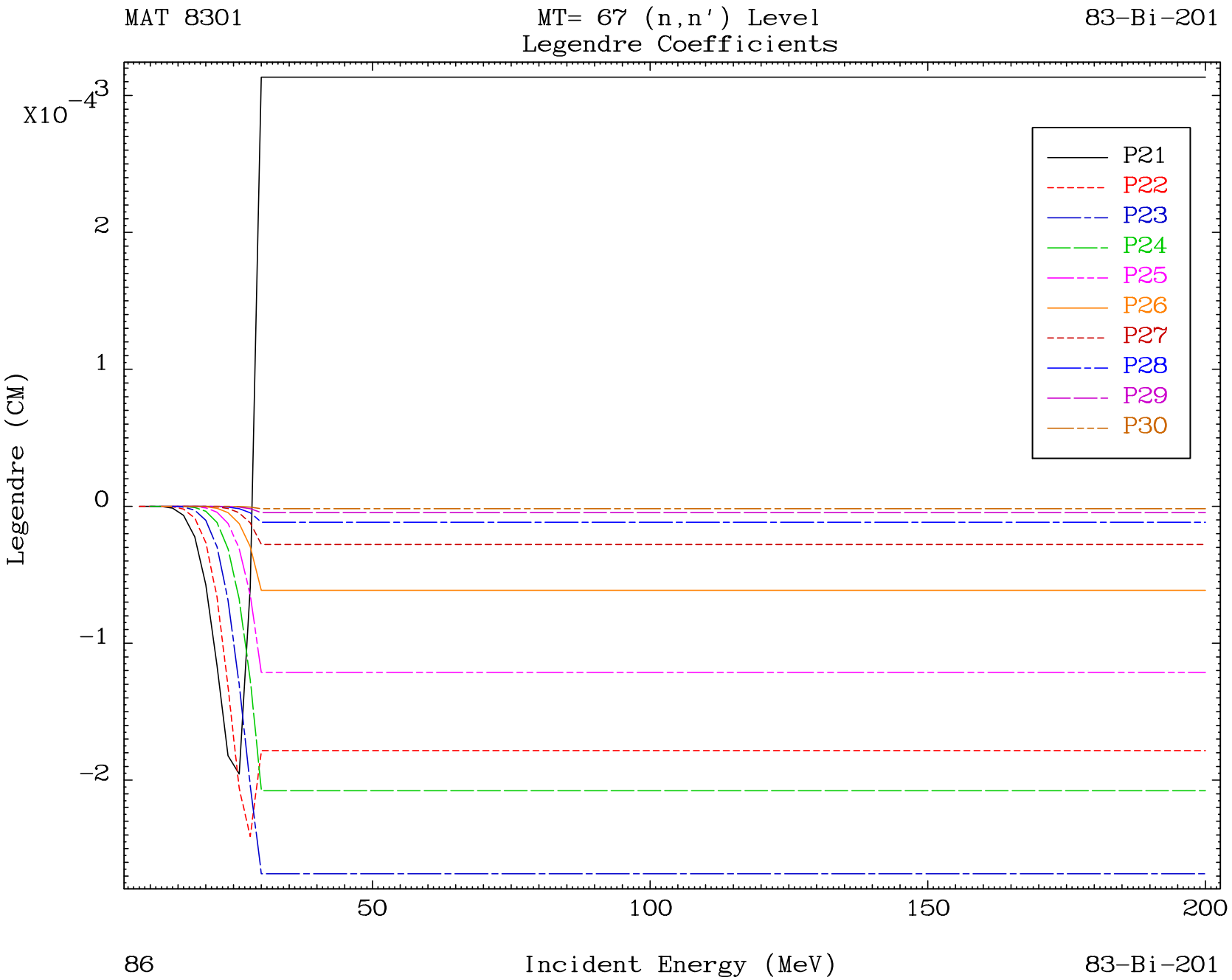

MAT 8301
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
81
Incident Energy (MeV)
83-Bi-201

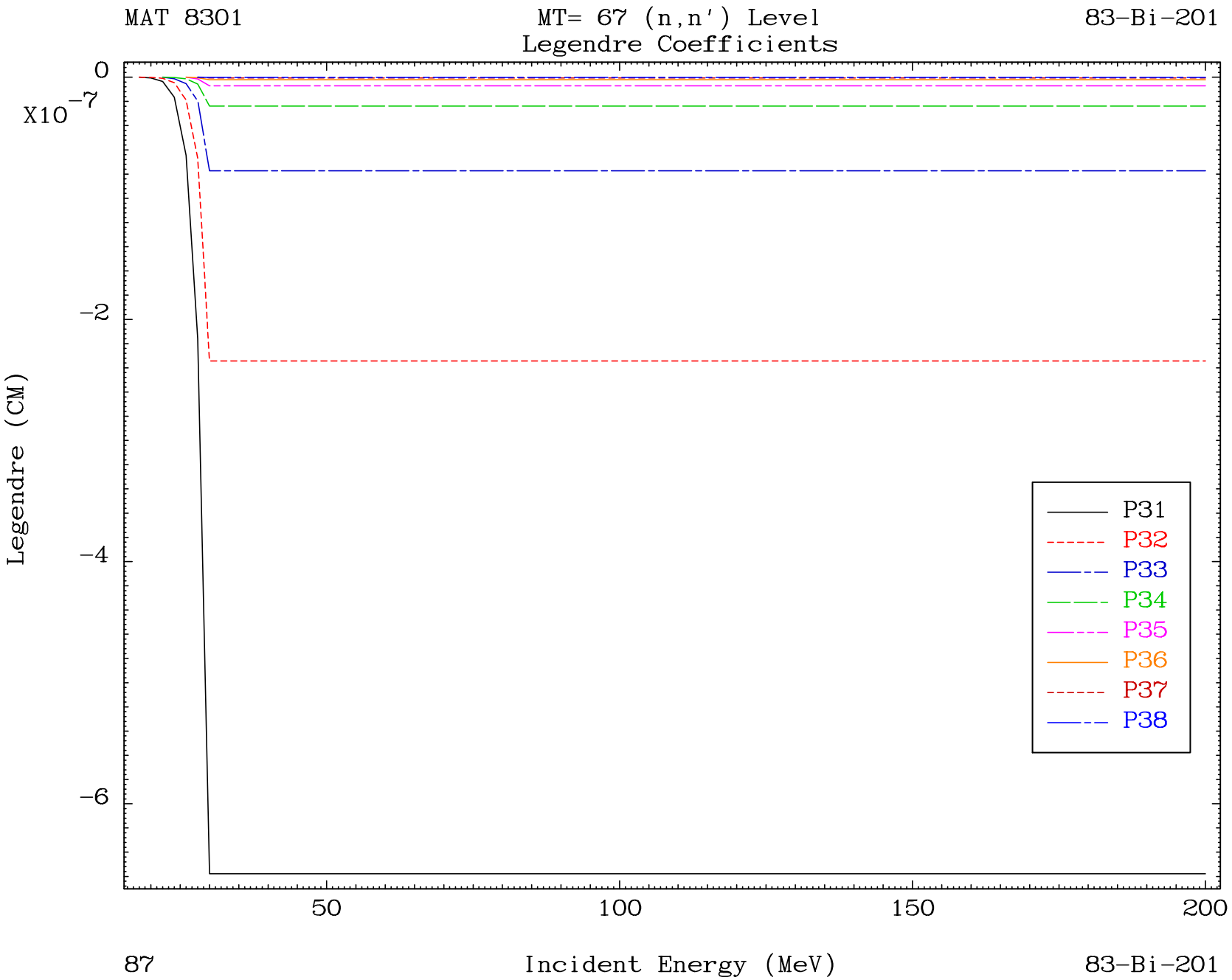

MAT 8301
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-201
0.003
0.002
0.001
0.000
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
82
Incident Energy (MeV)
83-Bi-201

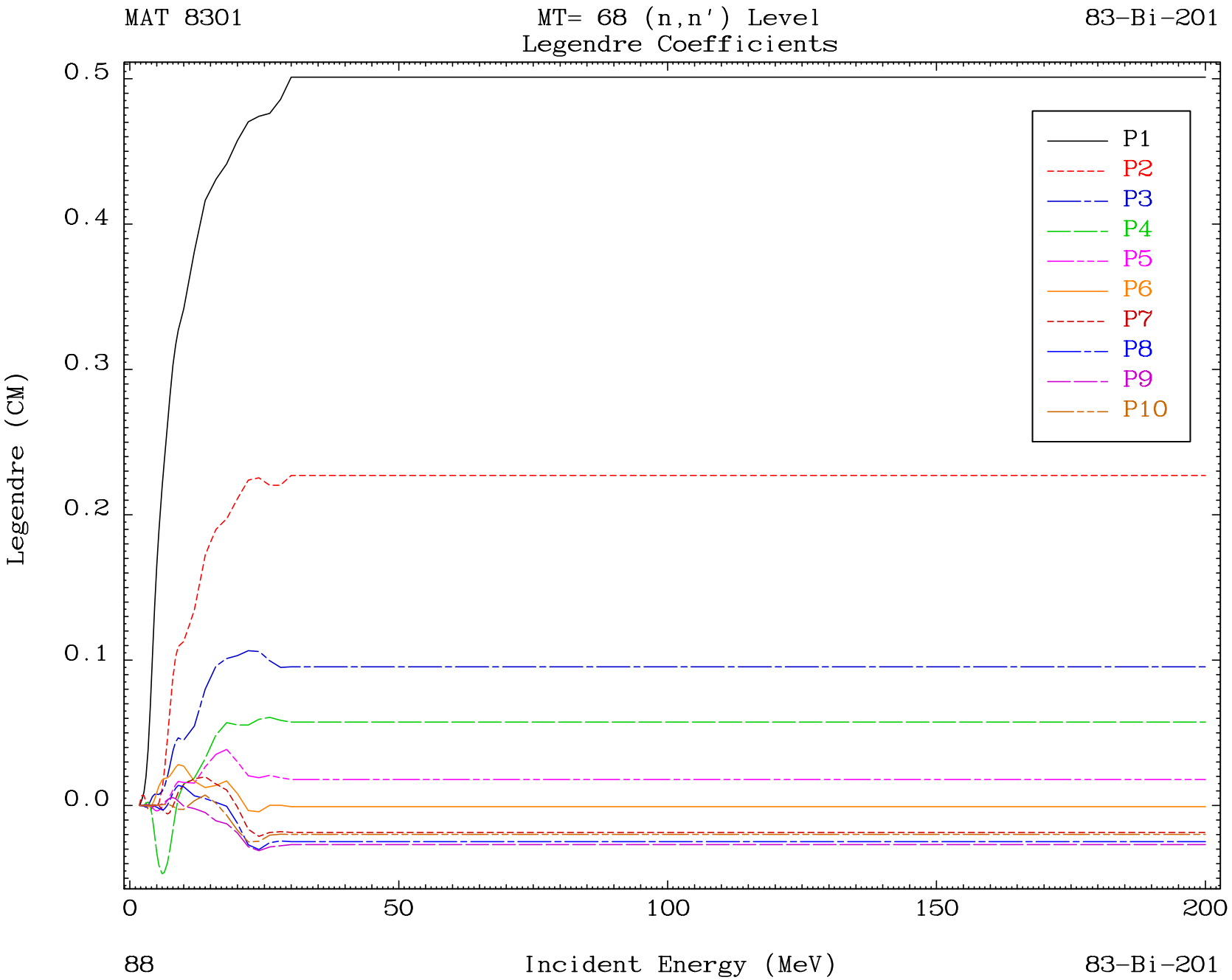

MAT 8301
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-201
X10 L2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
83
Incident Energy (MeV)
83-Bi-201

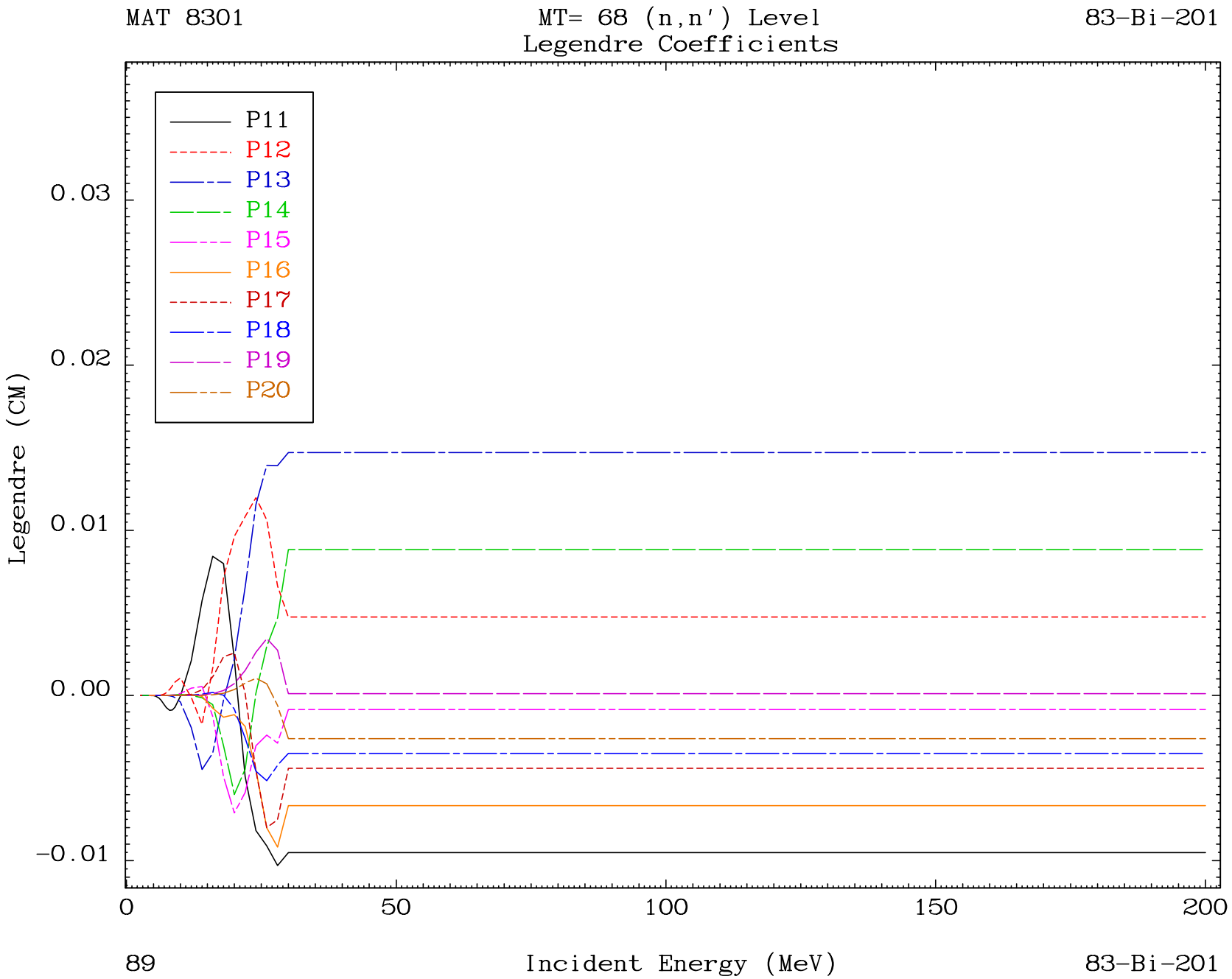

MAT 8301
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
84
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

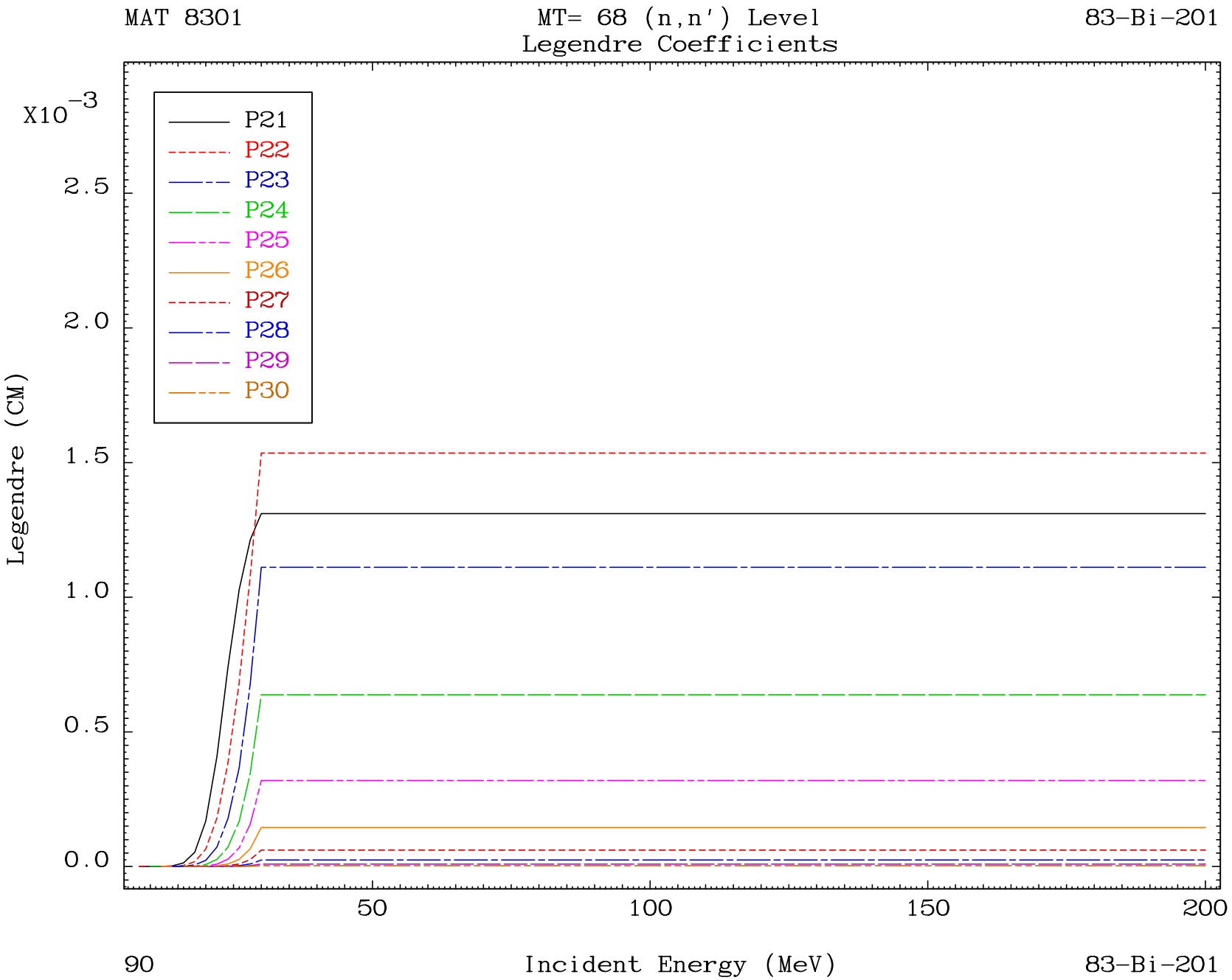

MAT 8301
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
85
Incident Energy (MeV)
83-Bi-201

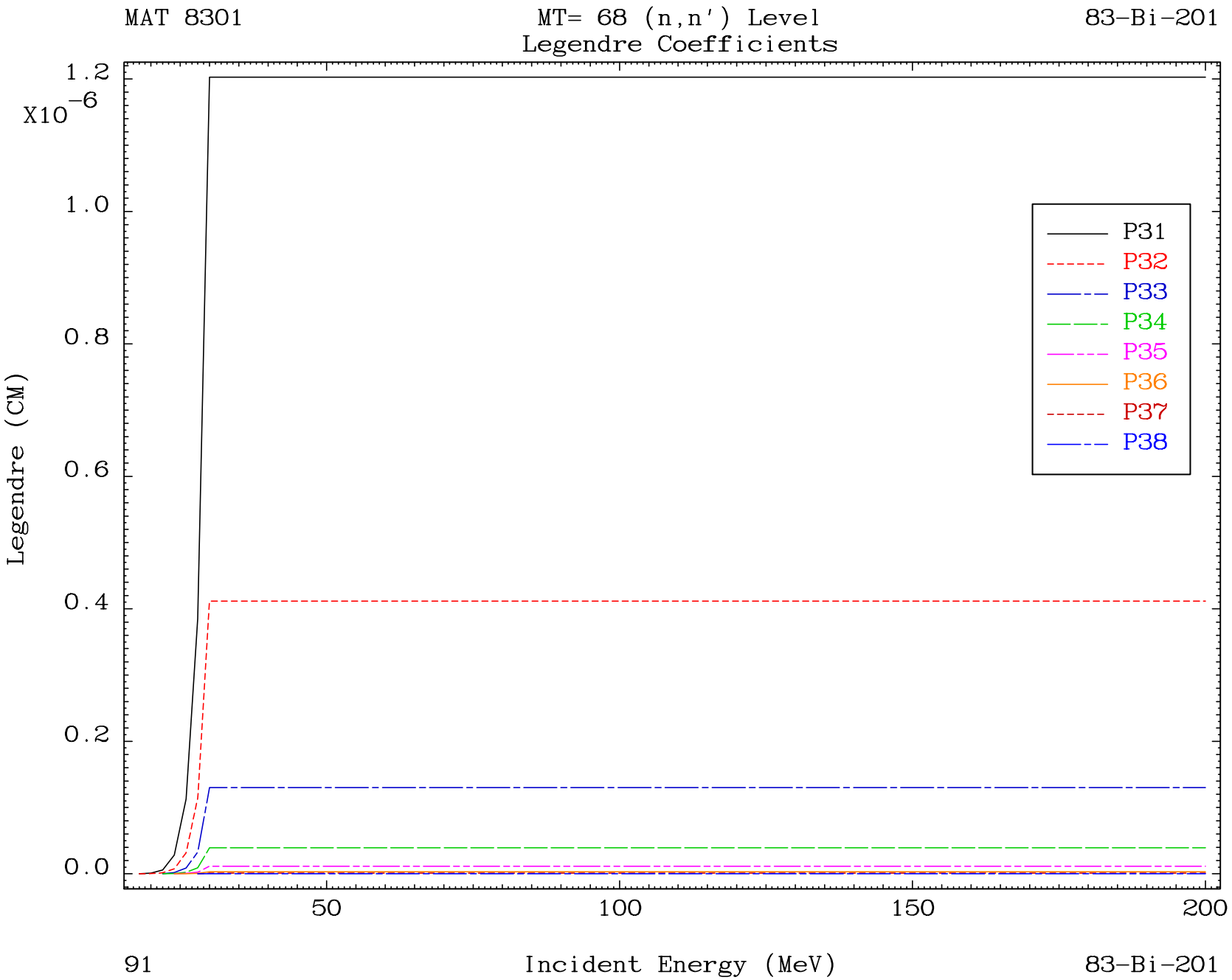

MAT 8301
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
3
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
86
Incident Energy (MeV)
83-Bi-201

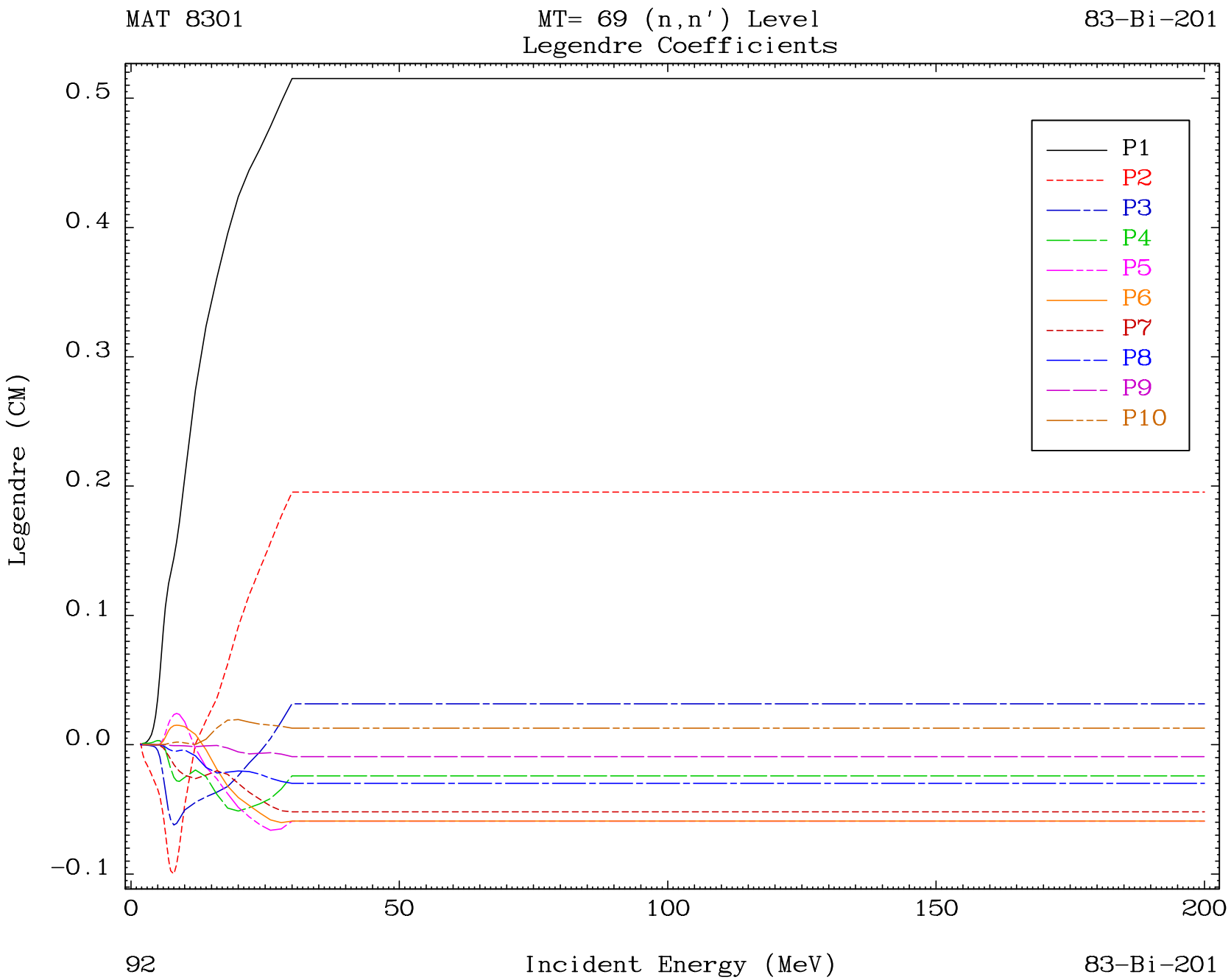

MAT 8301
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

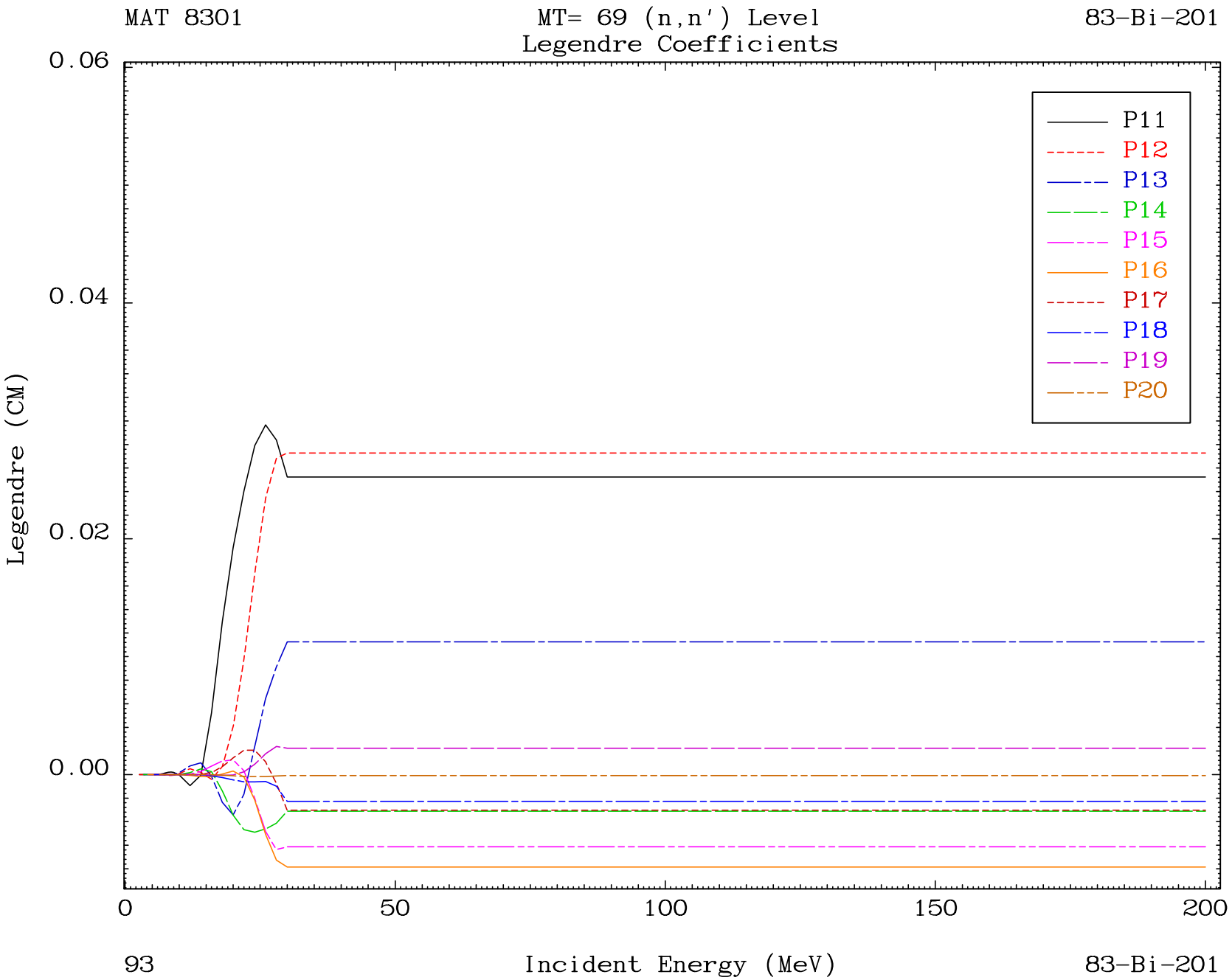

MAT 8301
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
88
Incident Energy (MeV)
83-Bi-201

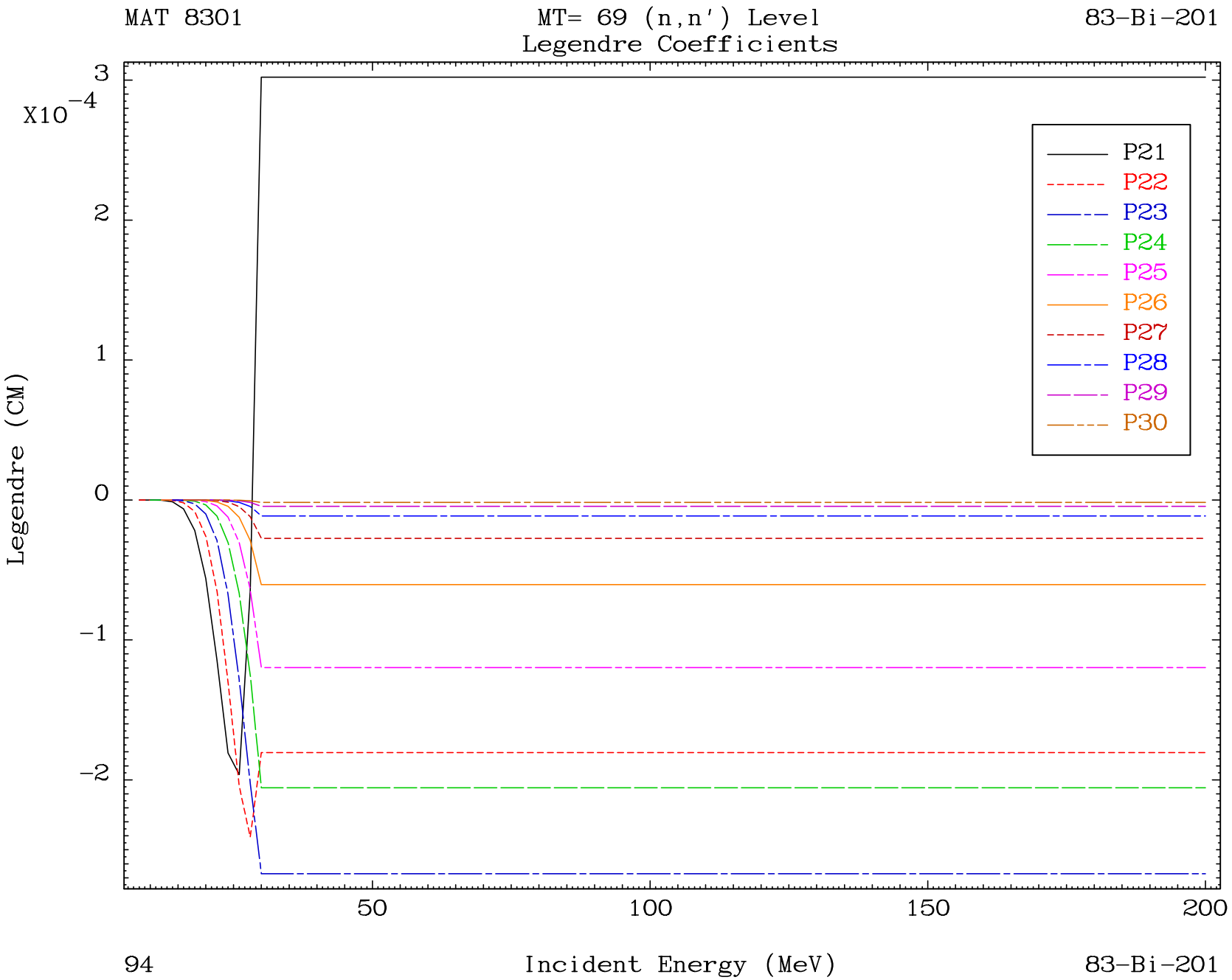

MAT 8301
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
89
Incident Energy (MeV)
83-Bi-201

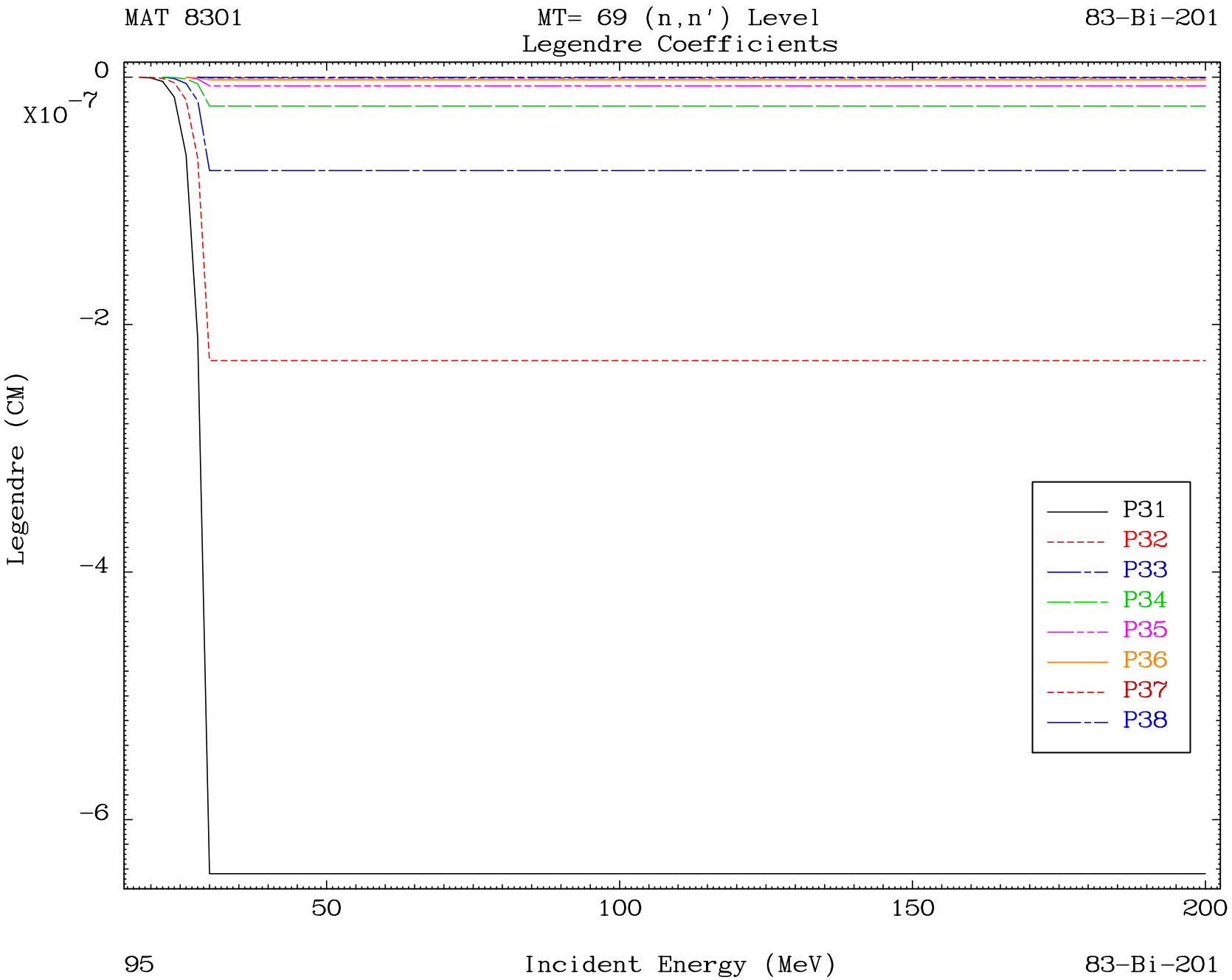

MAT 8301
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
90
Incident Energy (MeV)
83-Bi-201

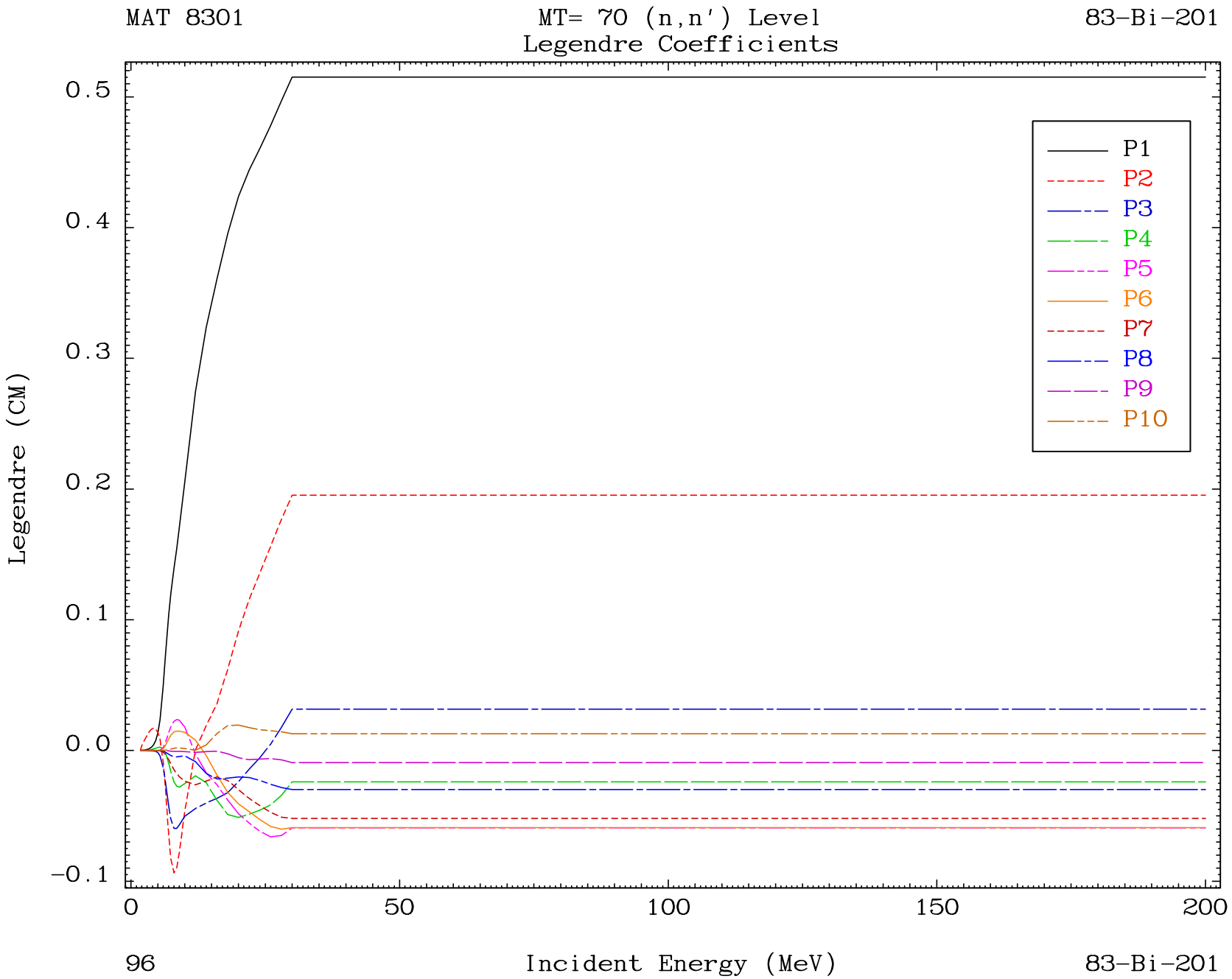

MAT 8301
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-201
X10 −6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
91
Incident Energy (MeV)
83-Bi-201

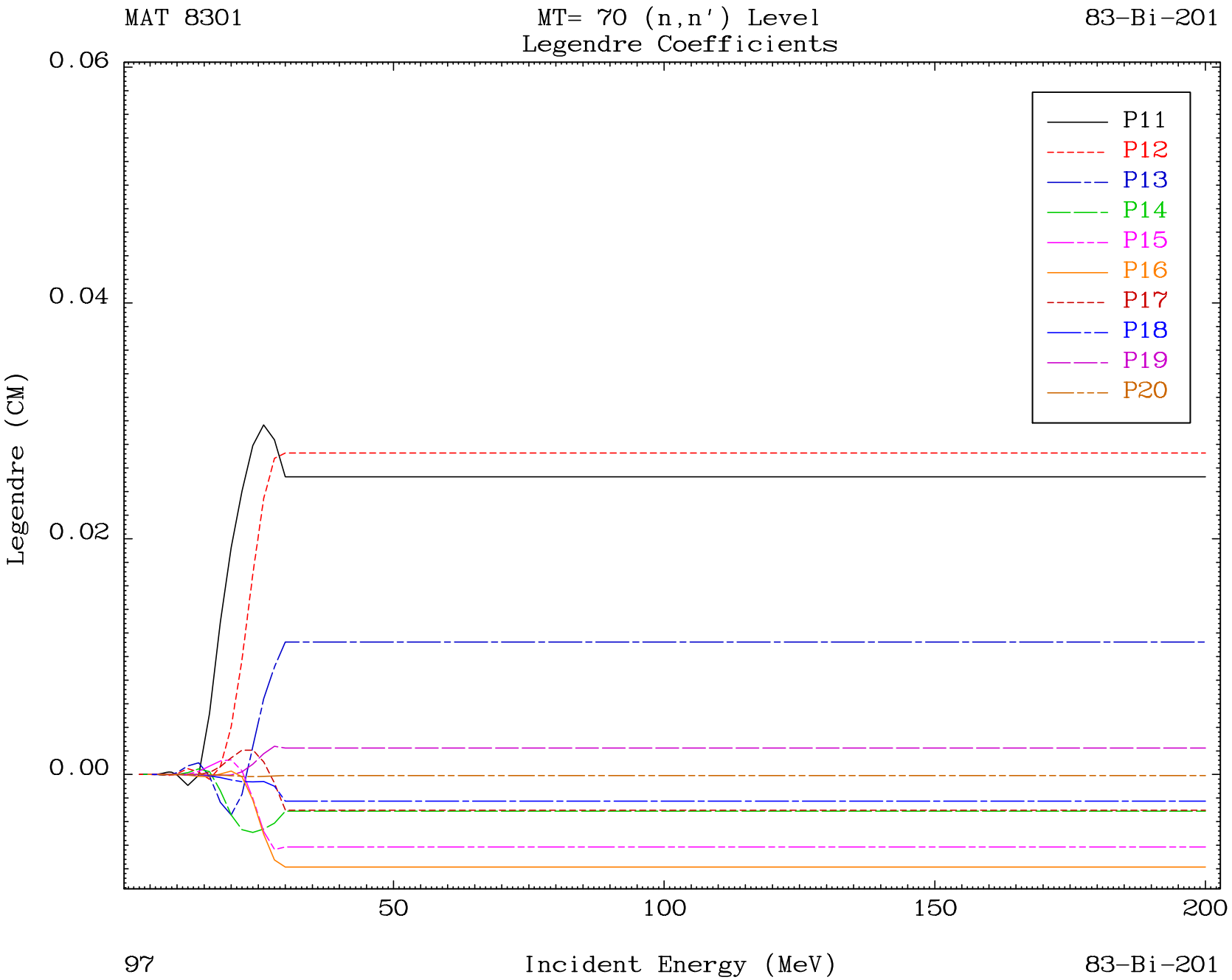

MAT 8301
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
92
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

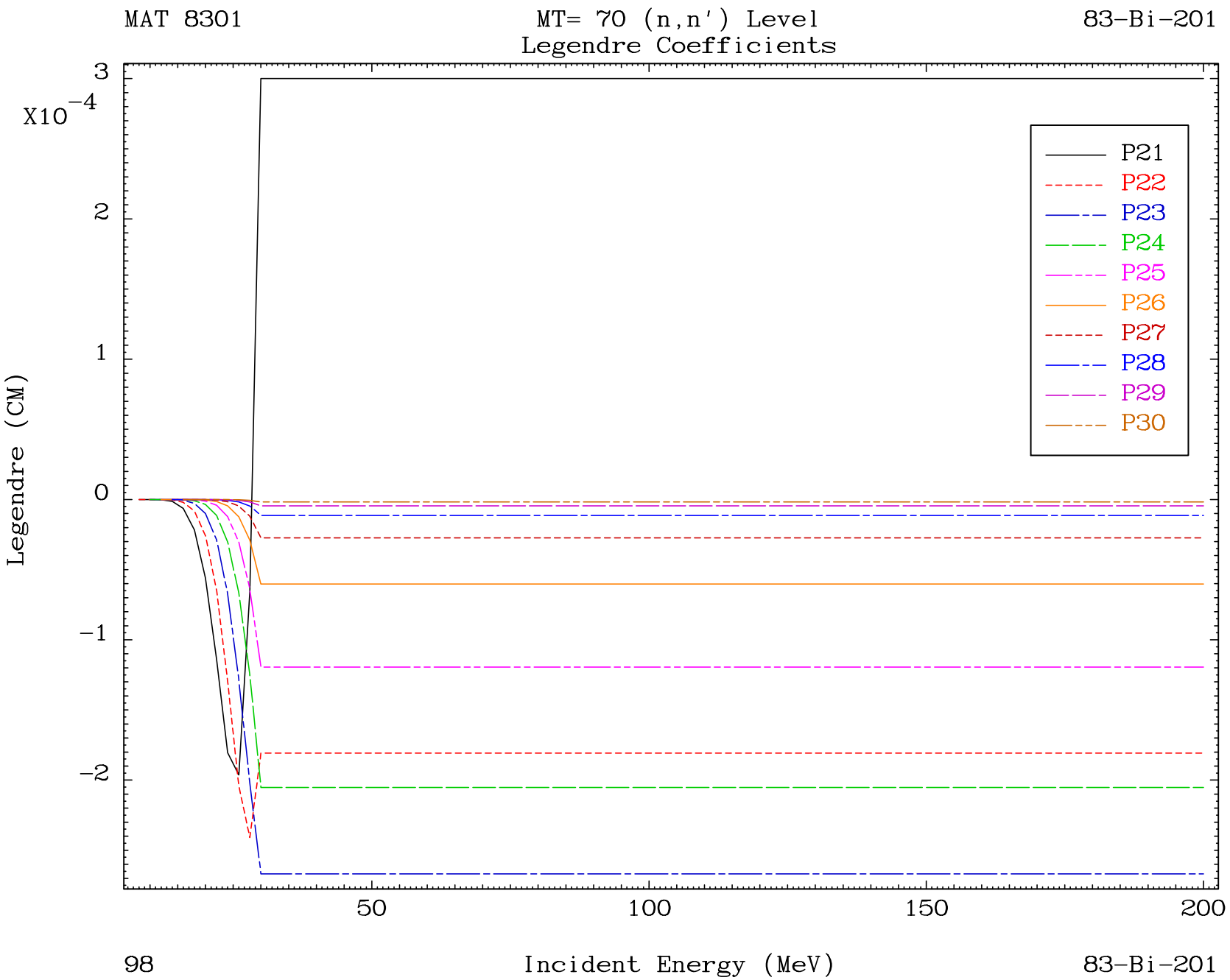

MAT 8301
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
93
Incident Energy (MeV)
83-Bi-201

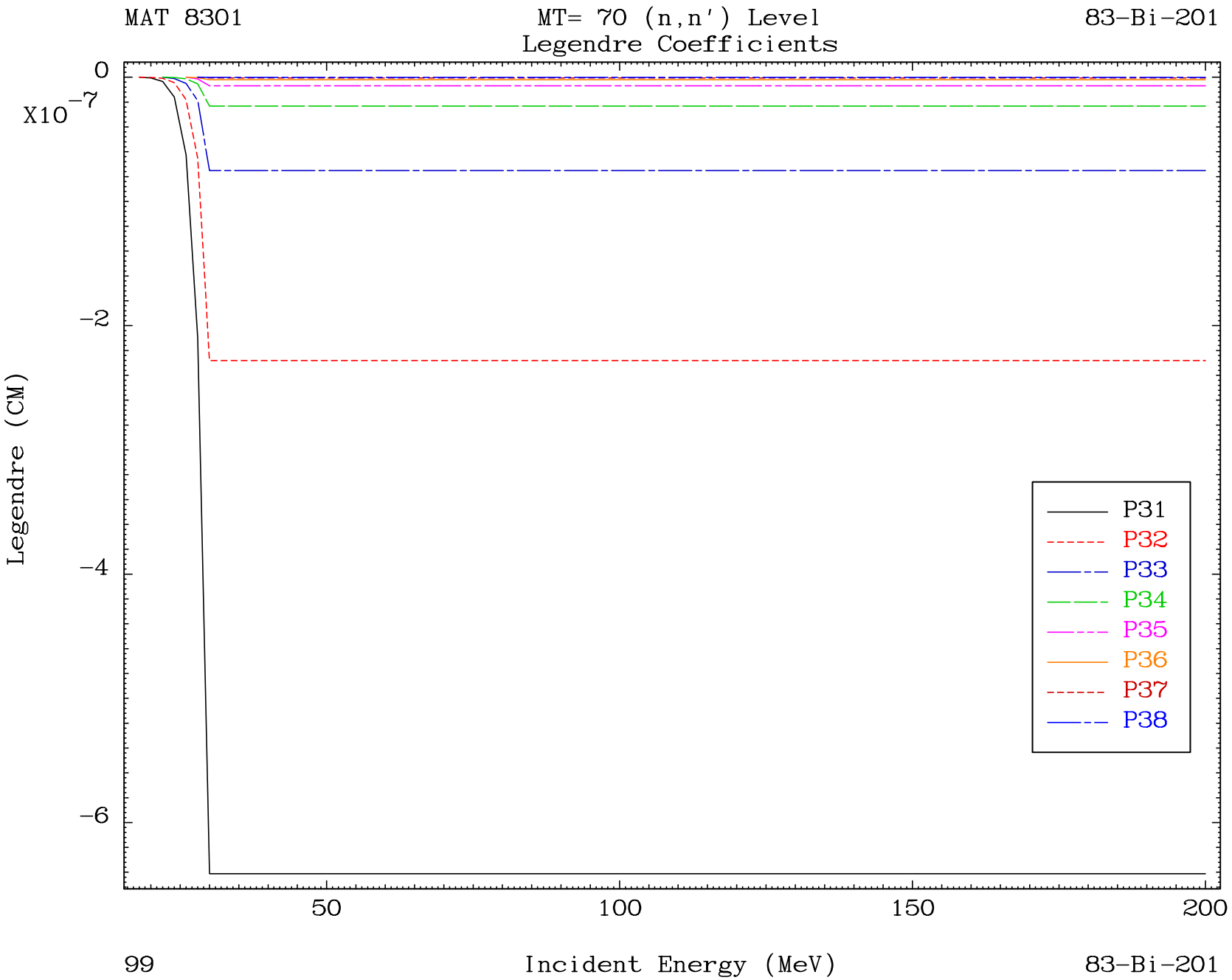

MAT 8301
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
3
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
94
Incident Energy (MeV)
83-Bi-201

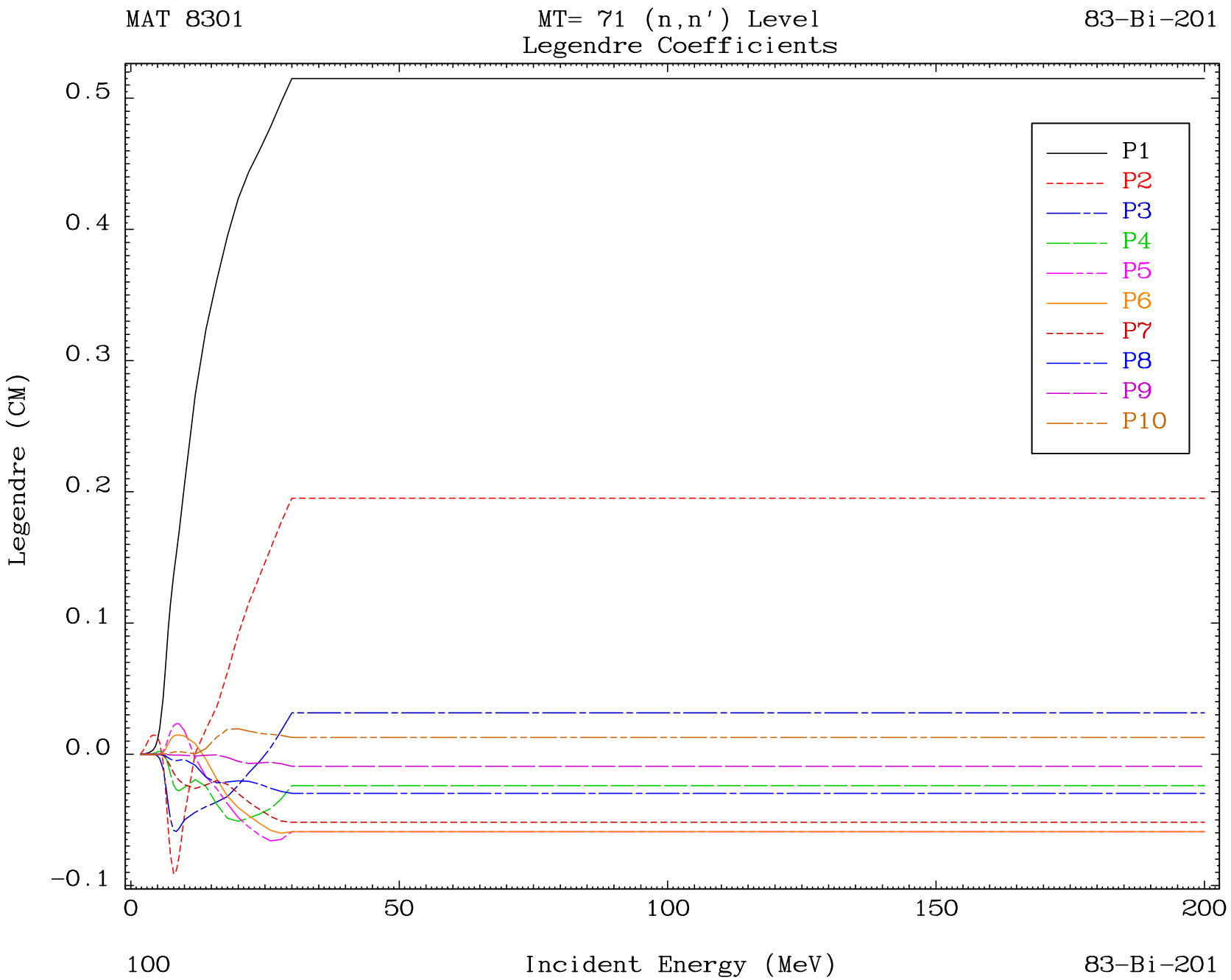

MAT 8301
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

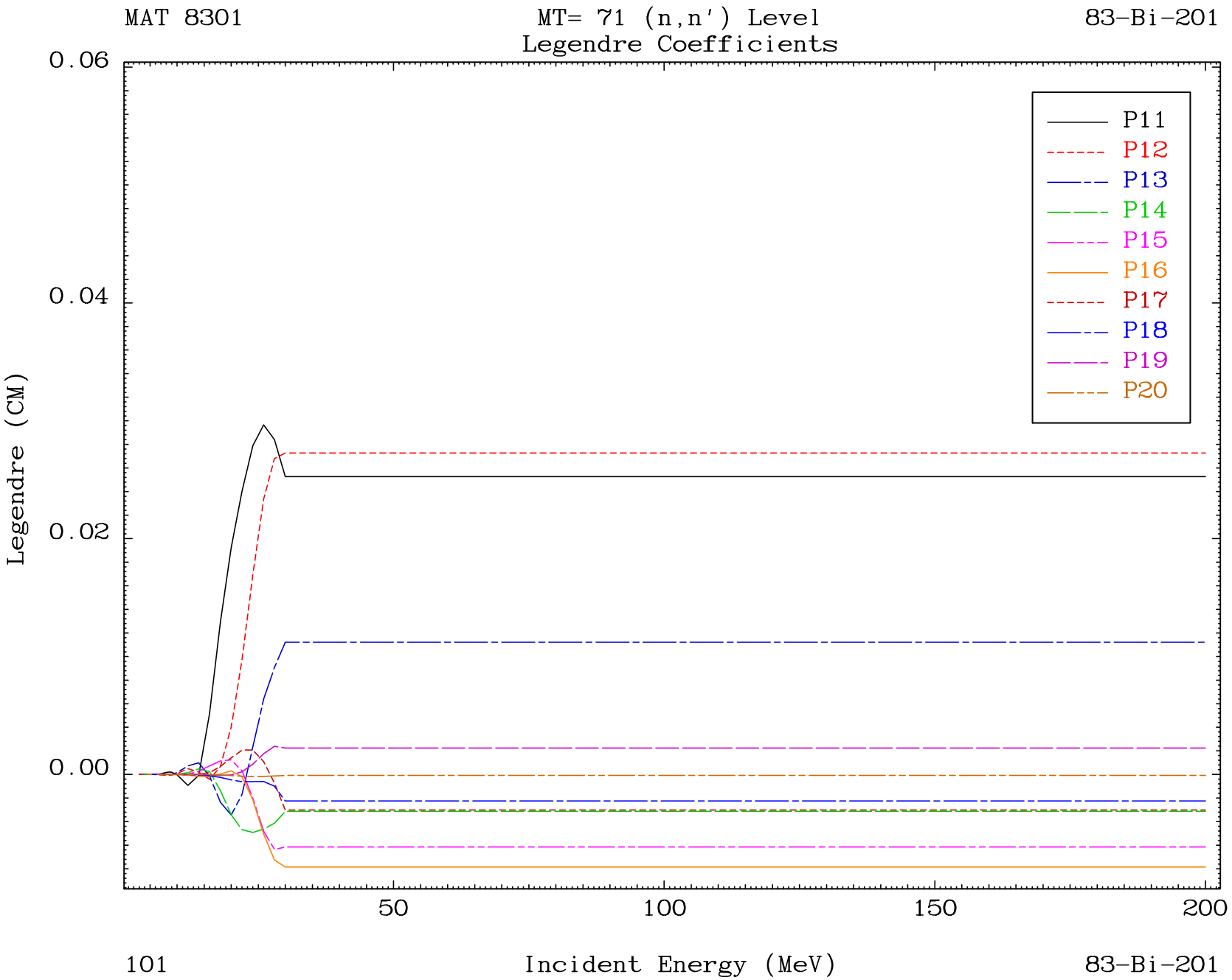

MAT 8301
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
96
Incident Energy (MeV)
83-Bi-201

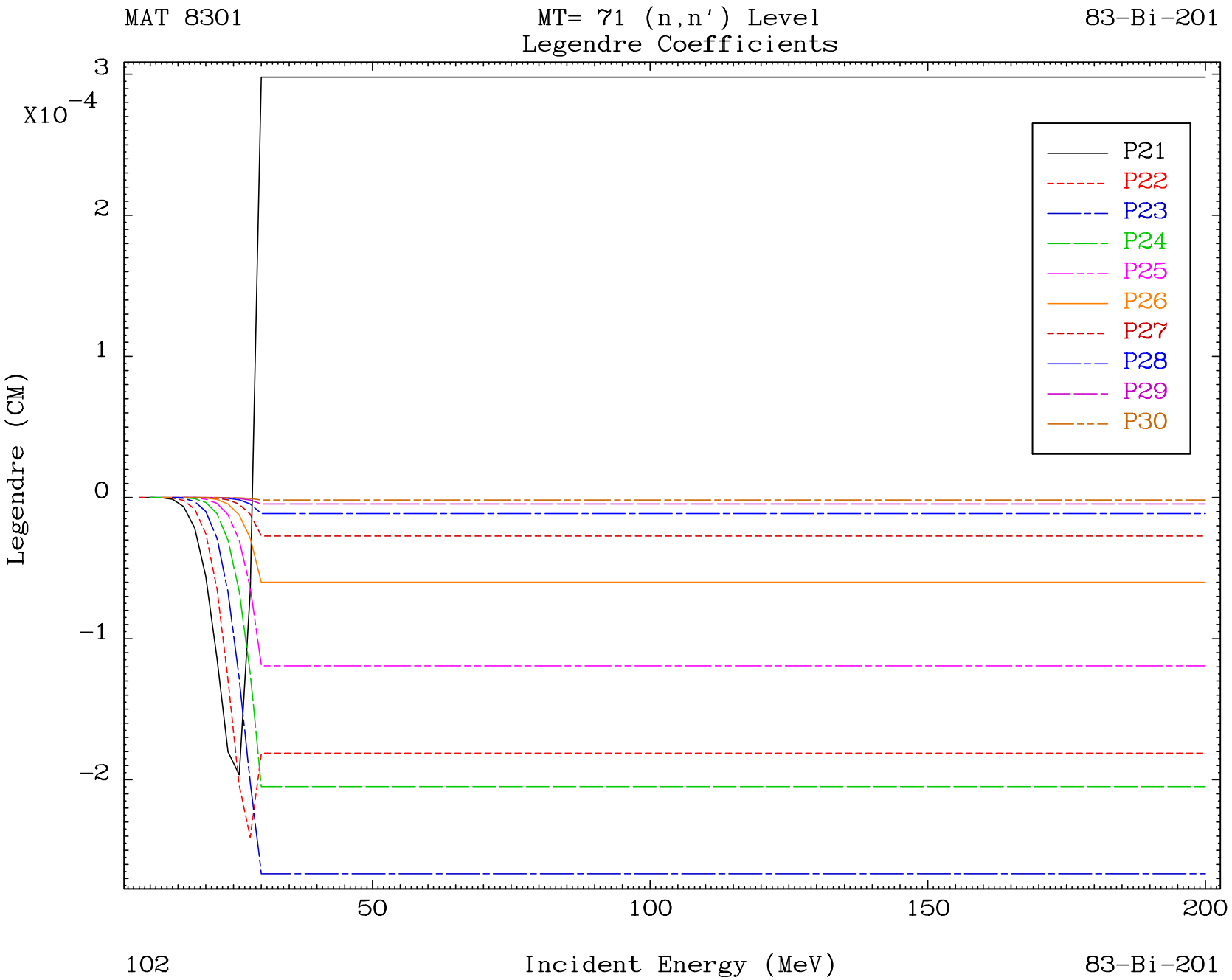

MAT 8301
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
97
Incident Energy (MeV)
83-Bi-201

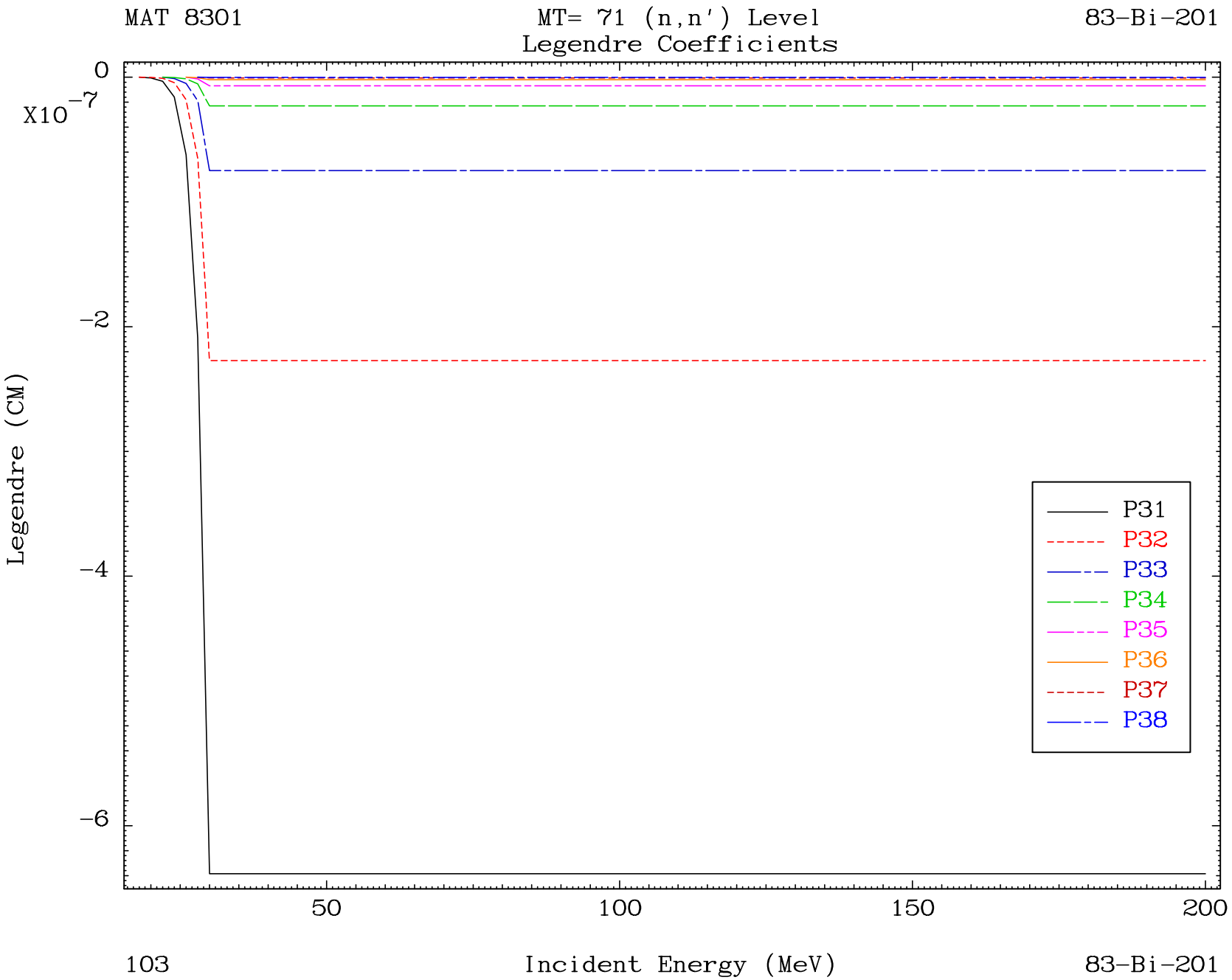

MAT 8301
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
3
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
98
Incident Energy (MeV)
83-Bi-201

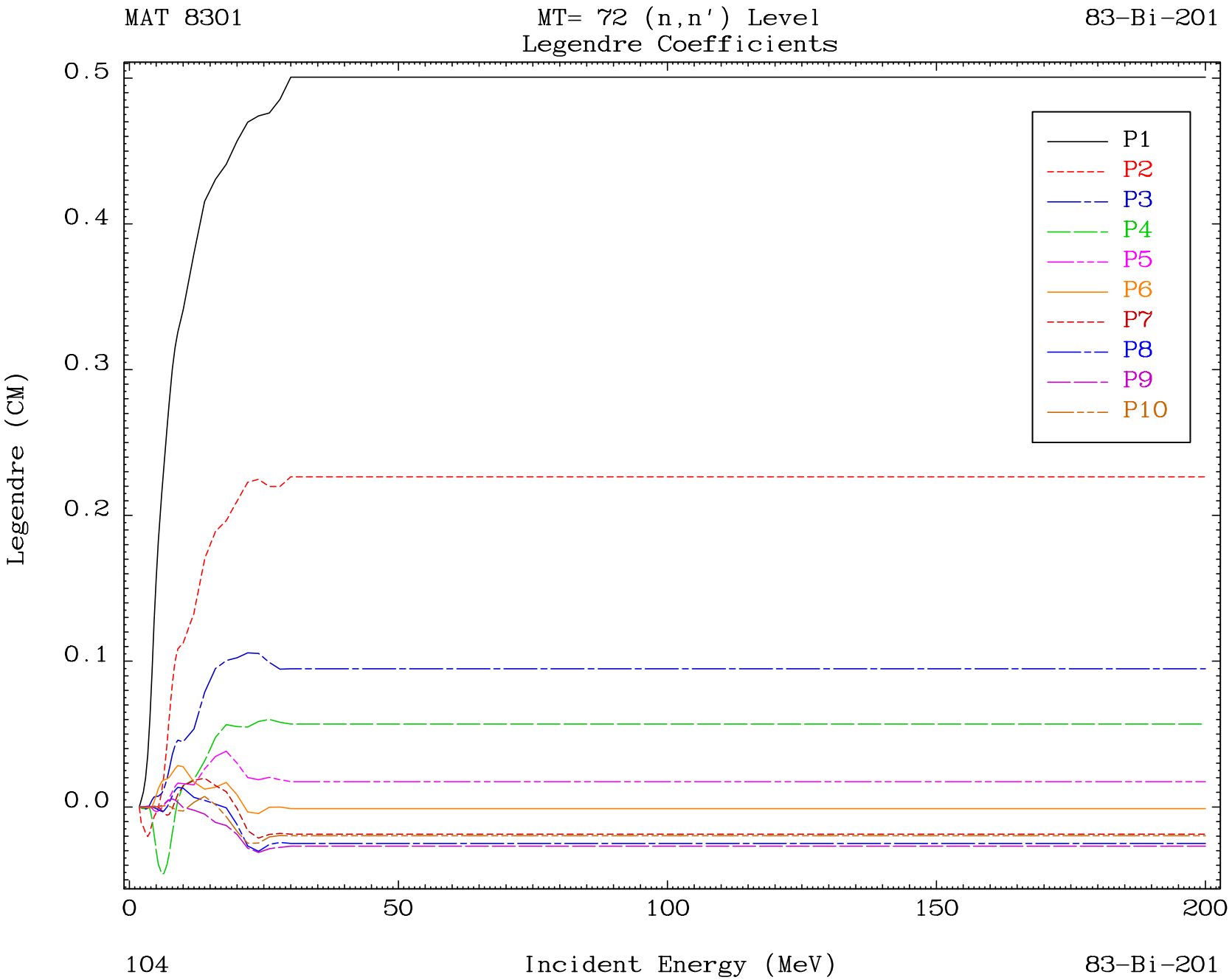

MAT 8301
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
99
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

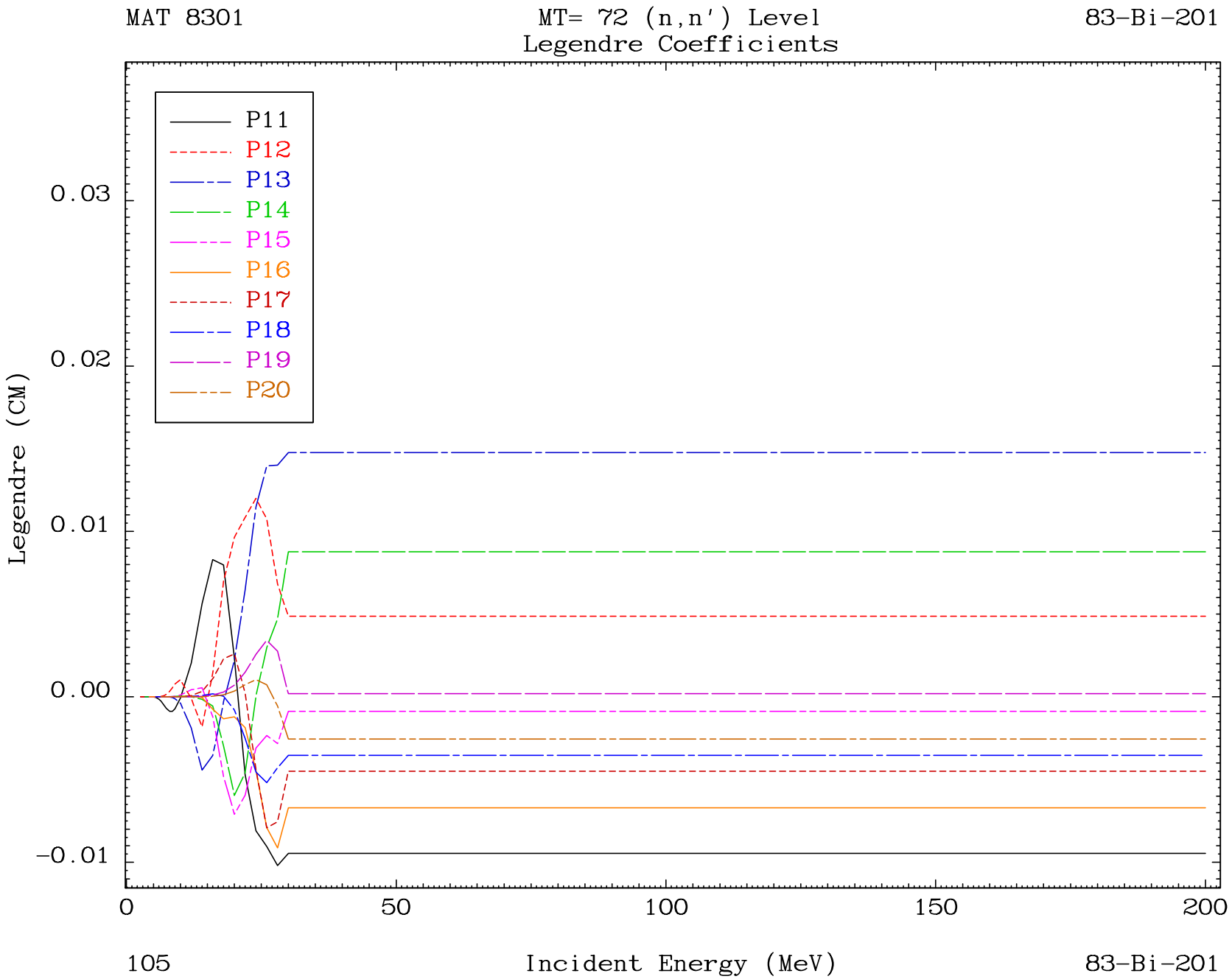

MAT 8301
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
100
Incident Energy (MeV)
83-Bi-201

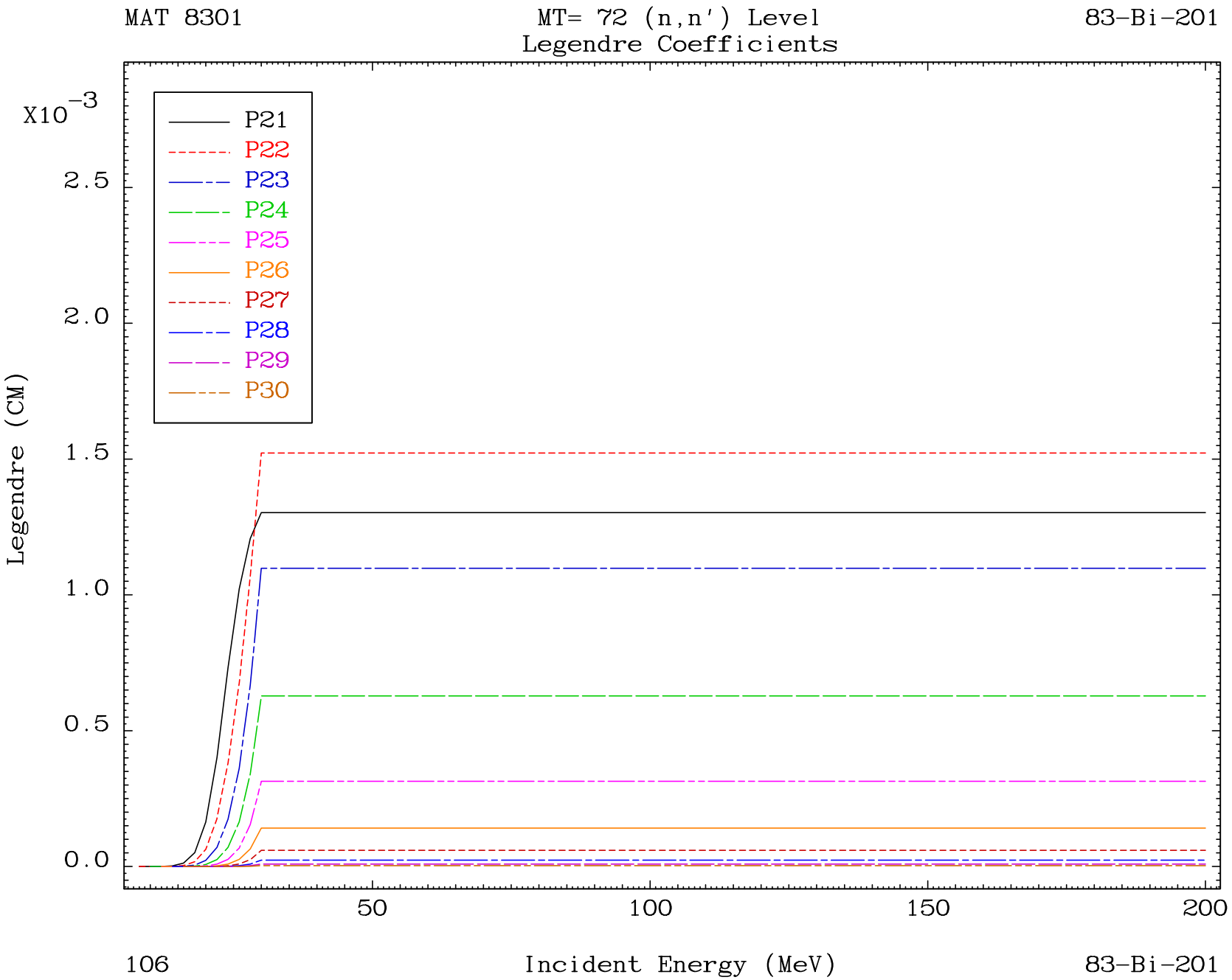

MAT 8301
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
101
Incident Energy (MeV)
83-Bi-201

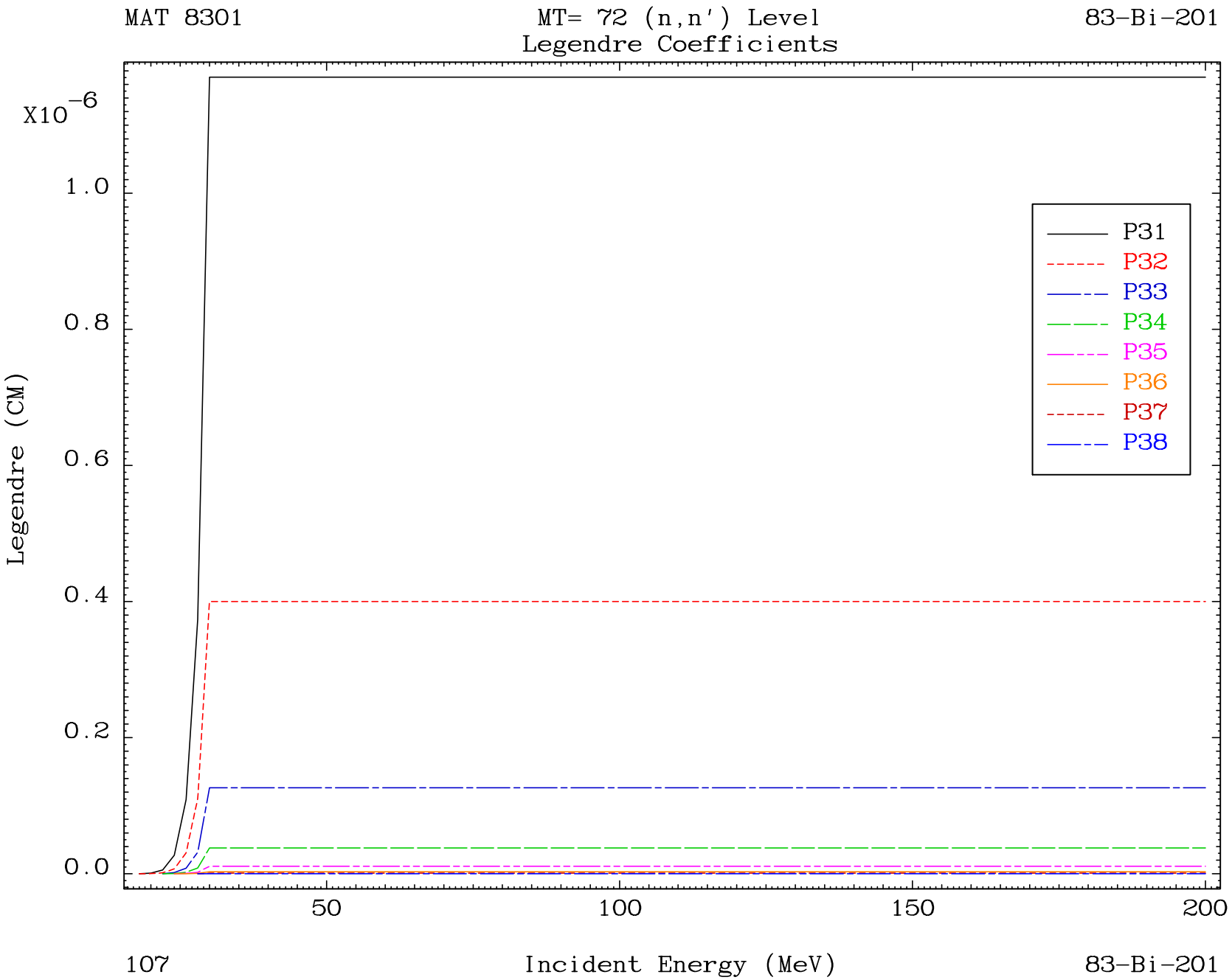

MAT 8301
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
3
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
102
Incident Energy (MeV)
83-Bi-201

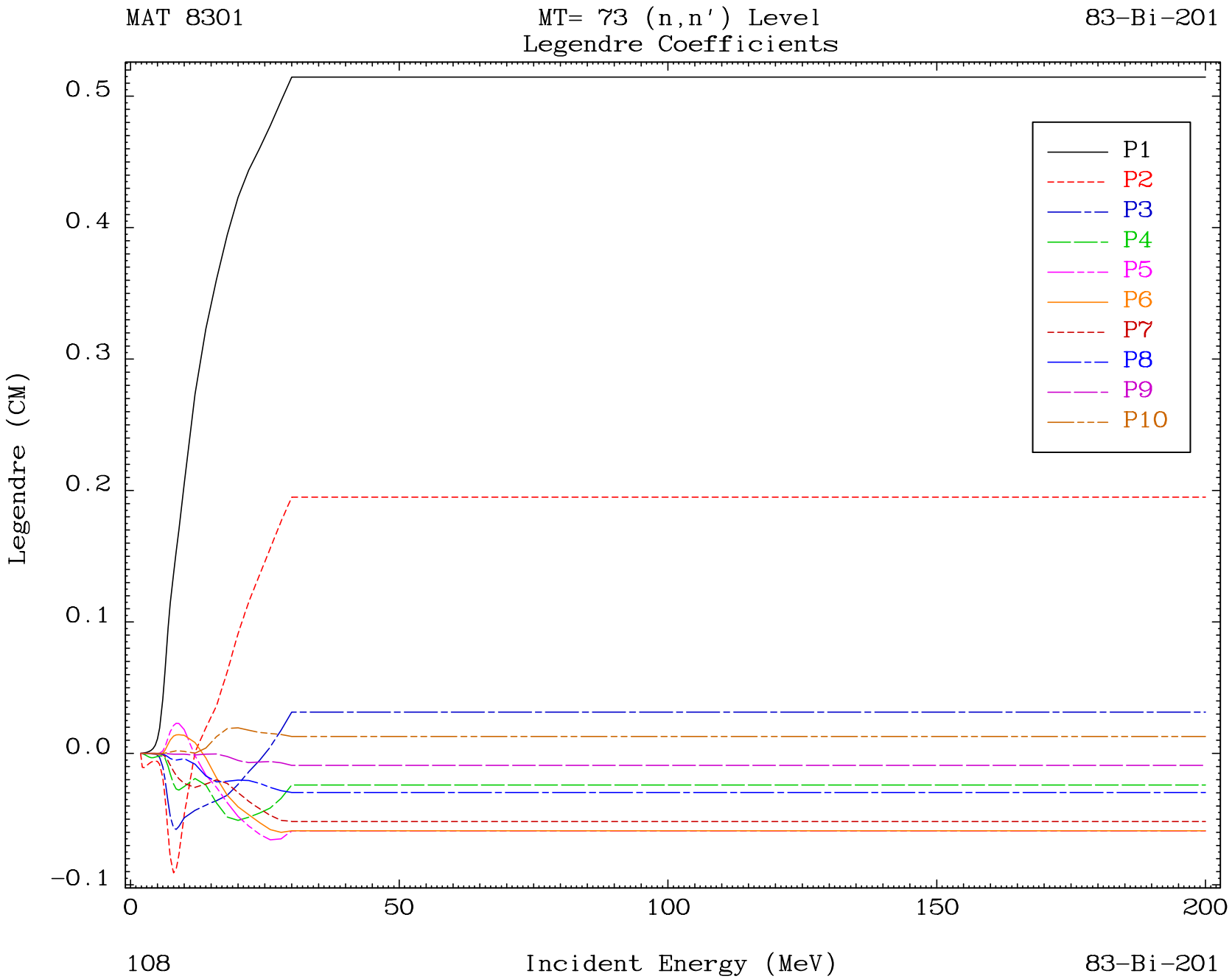

MAT 8301
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P31
P32
P33
P34
P35
P36
P37
P38
103
Incident Energy (MeV)
83-Bi-201

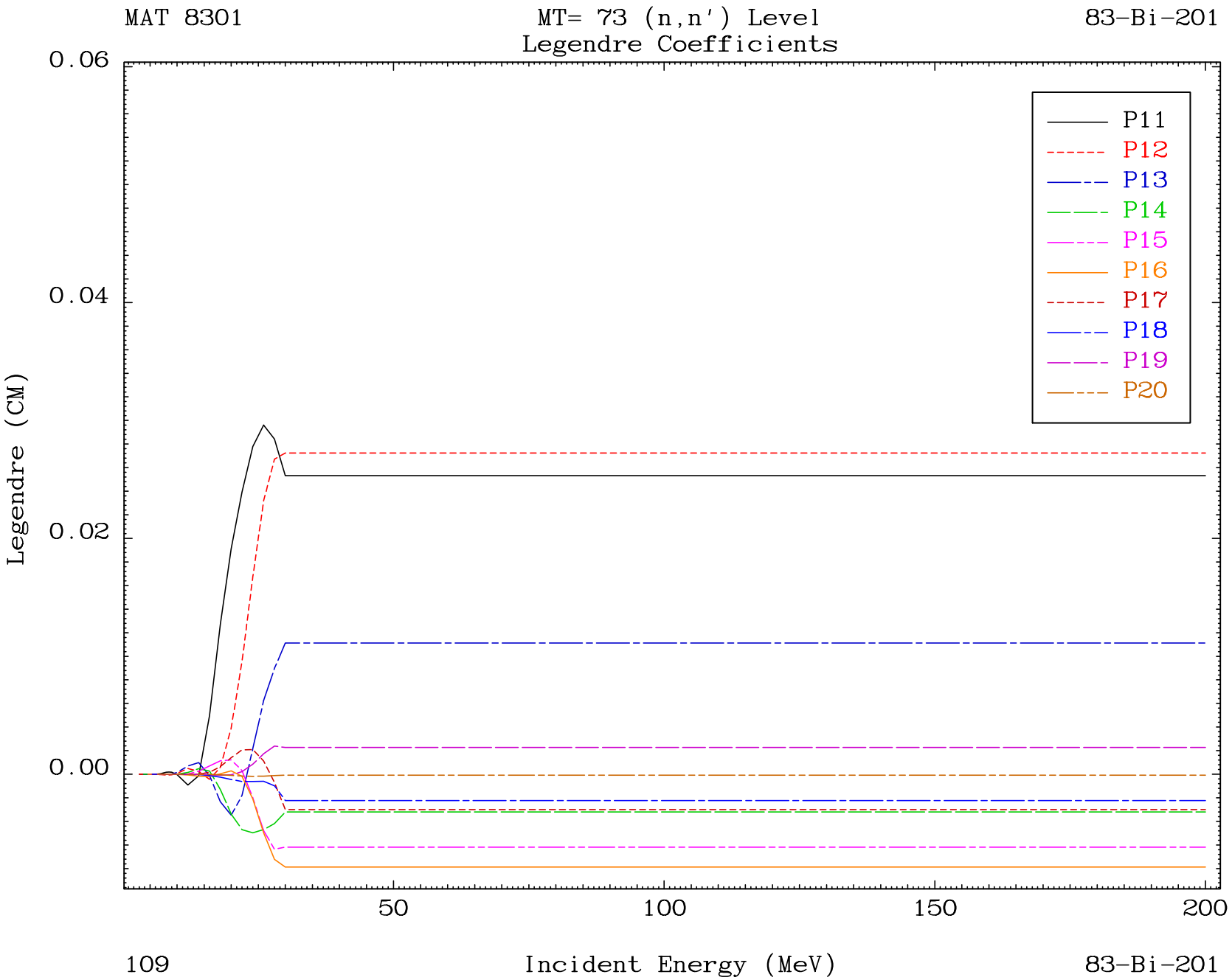

MAT 8301
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-201
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
104
Incident Energy (MeV)
83-Bi-201

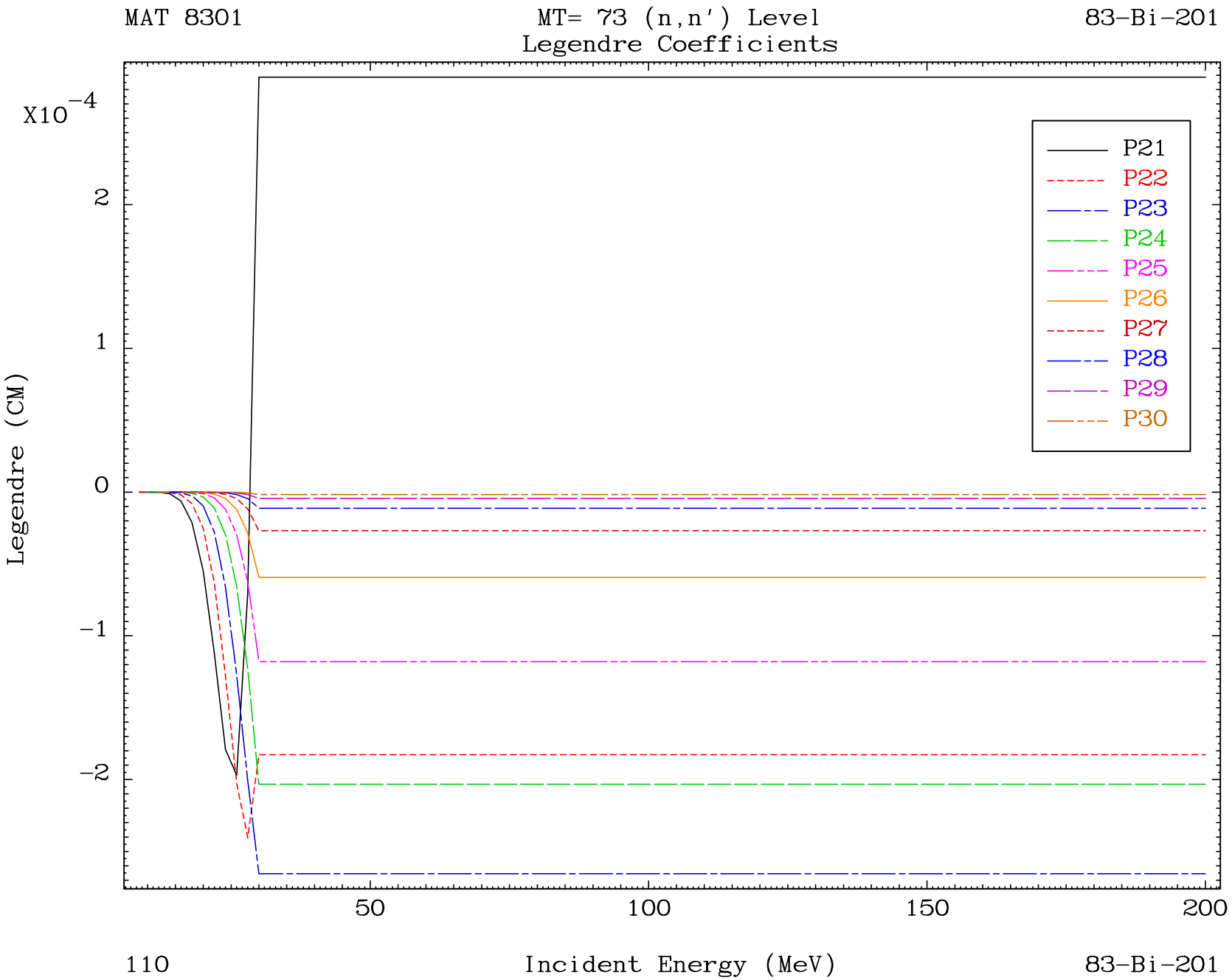

MAT 8301
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
105
Incident Energy (MeV)
83-Bi-201

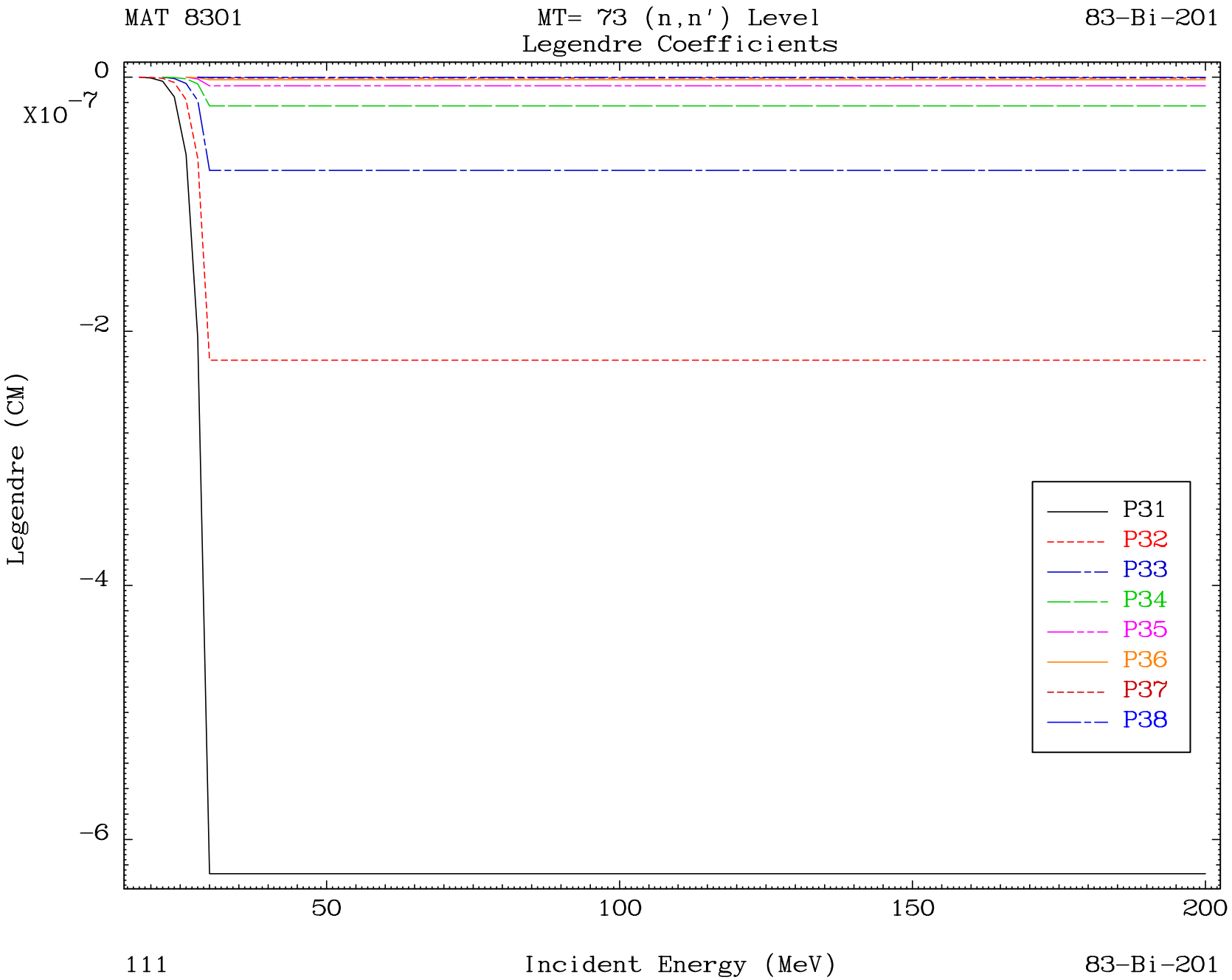

MAT 8301
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-201
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
106
Incident Energy (MeV)
83-Bi-201

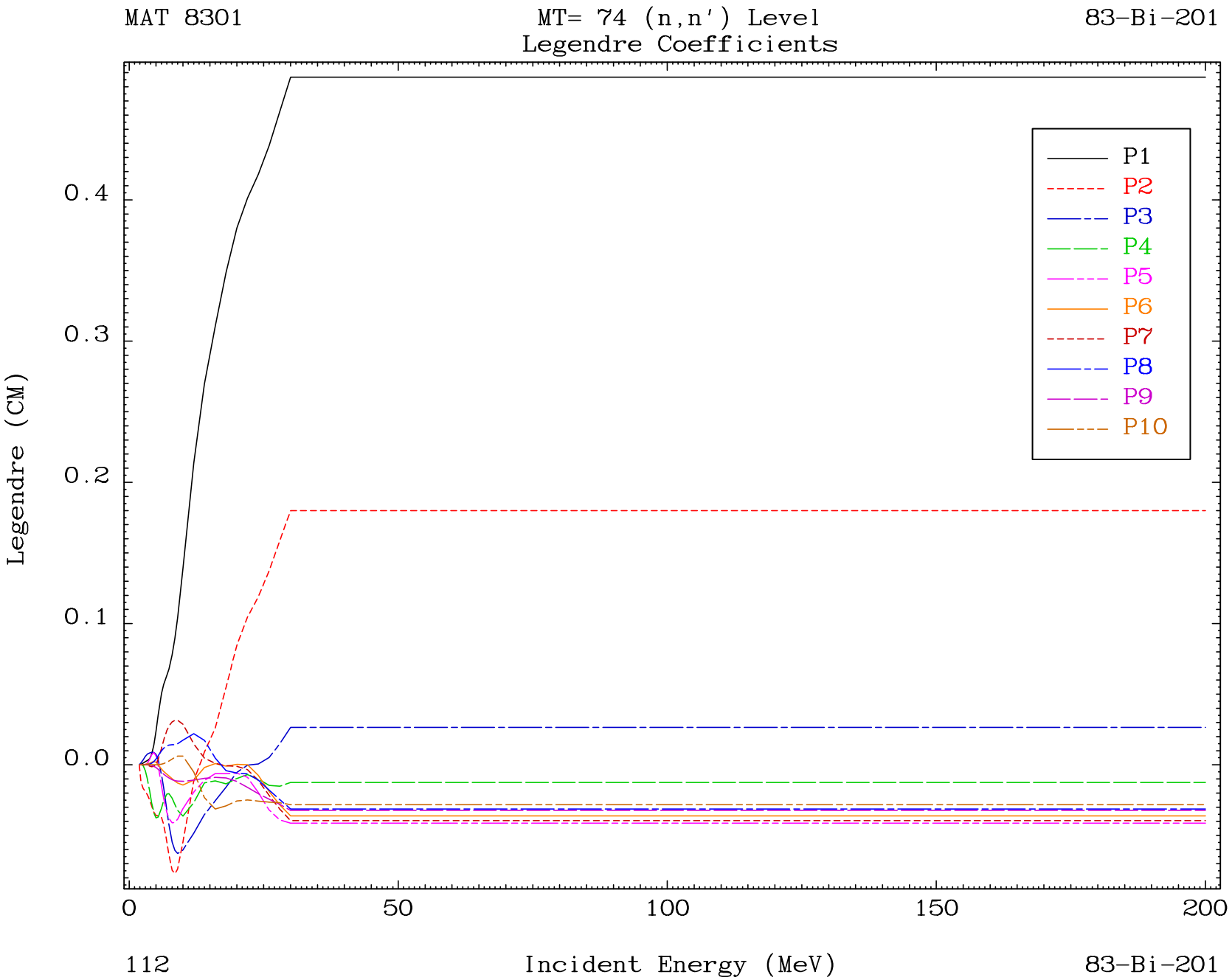

MAT 8301
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
107
Incident Energy (MeV)
83-Bi-201

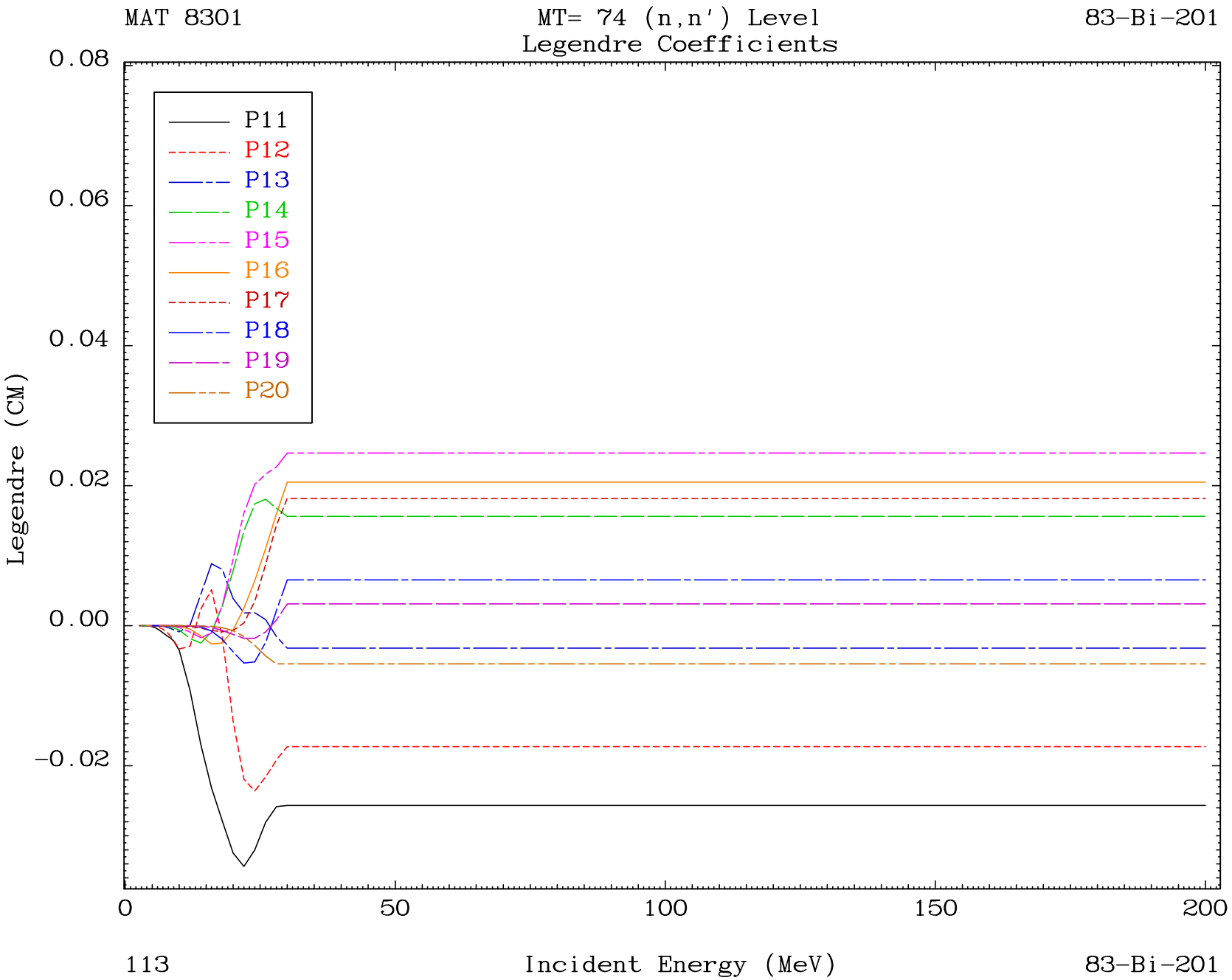

MAT 8301
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
108
Incident Energy (MeV)
83-Bi-201

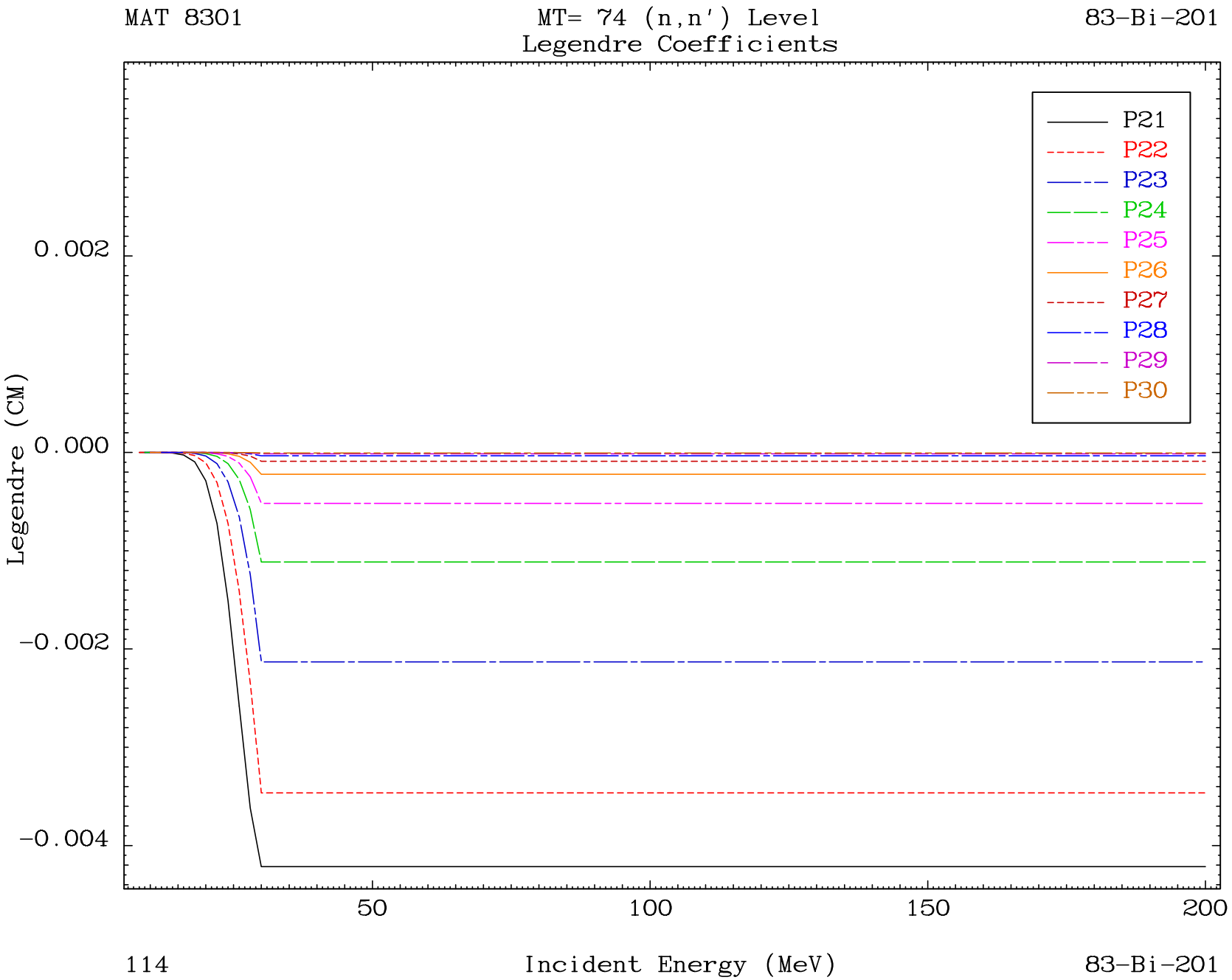

MAT 8301
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
109
Incident Energy (MeV)
83-Bi-201

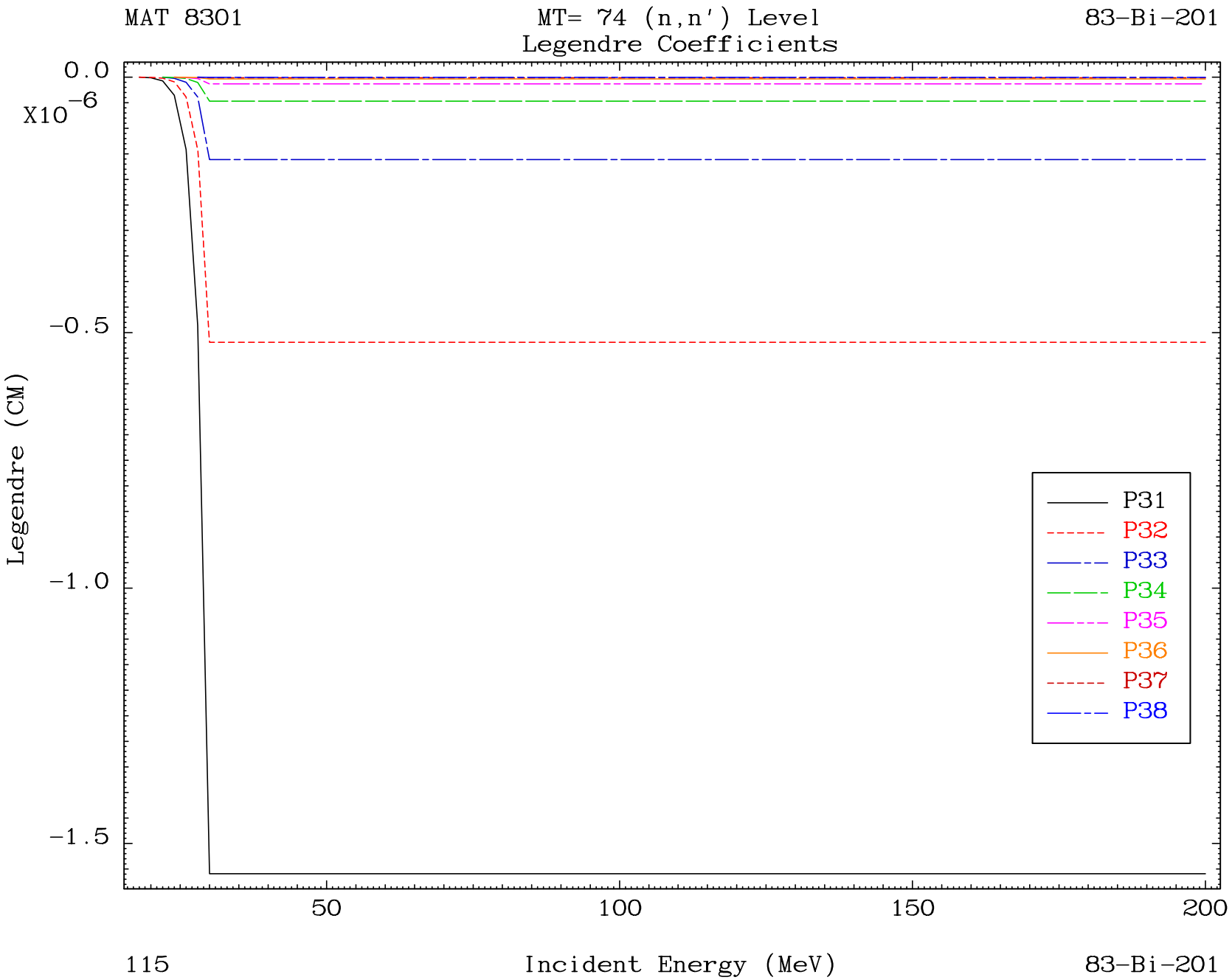

MAT 8301
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
110
Incident Energy (MeV)
83-Bi-201

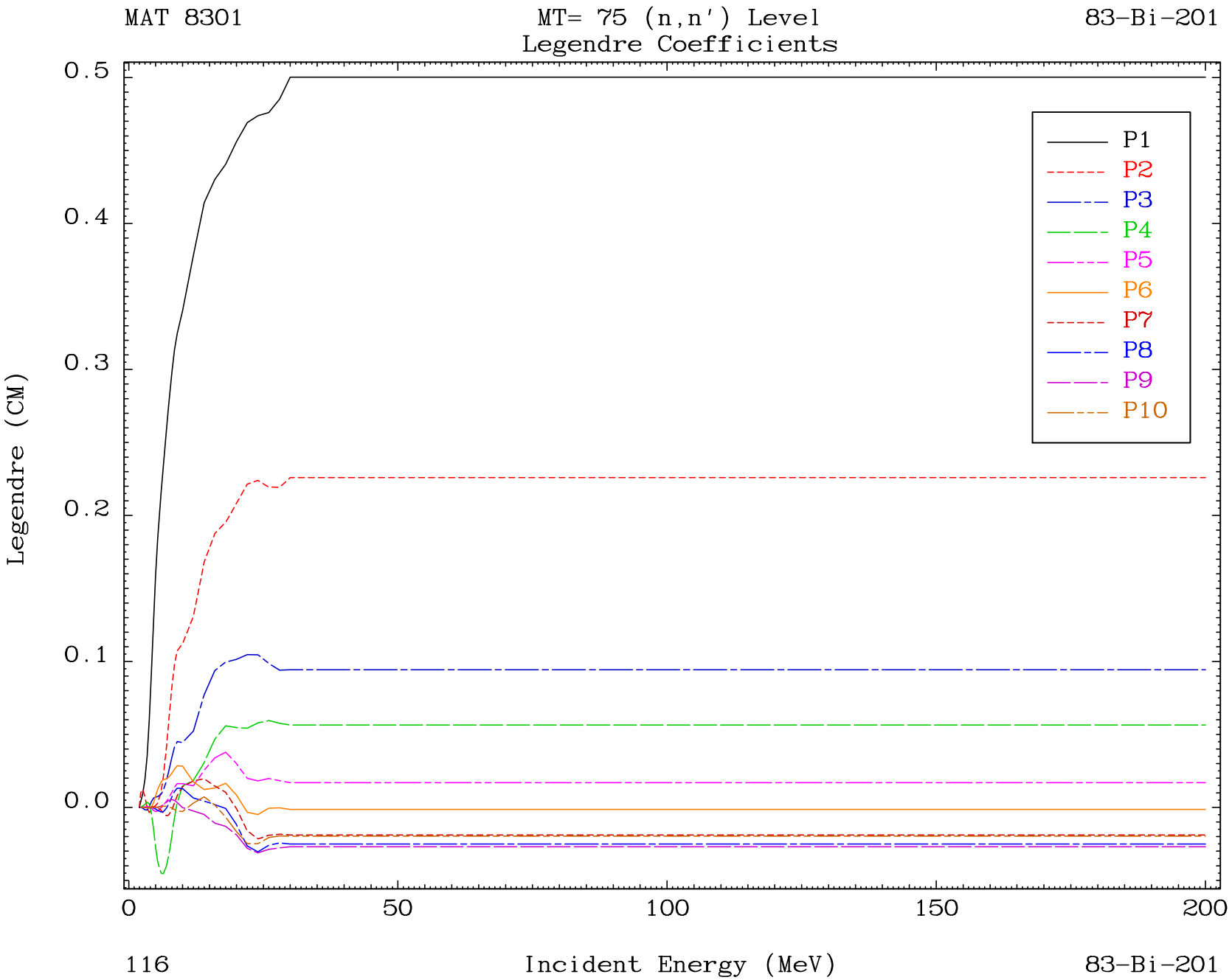

MAT 8301
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-201
X10-7
0
-2
-4
-6
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
111
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

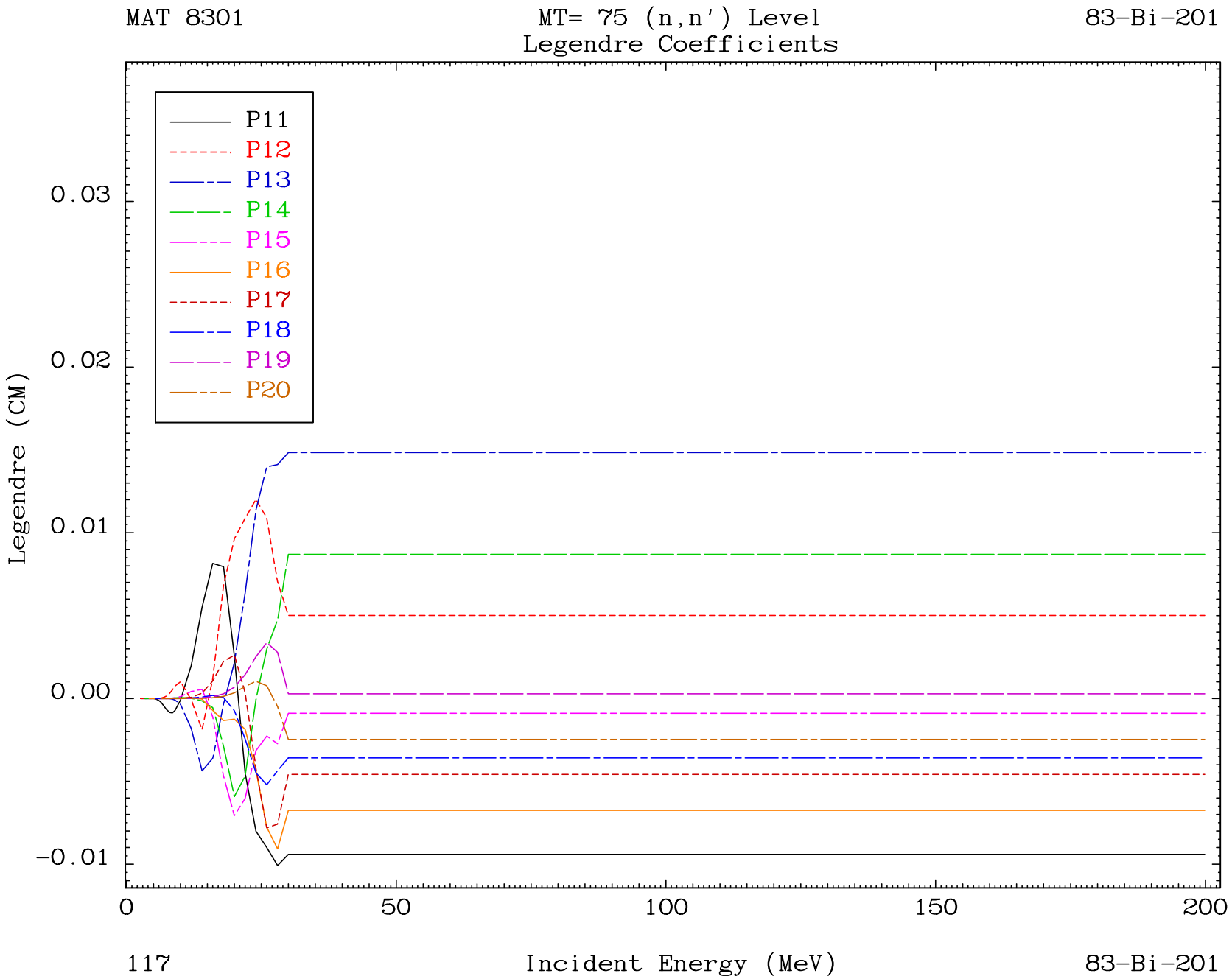

MAT 8301
MT= 74 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
112
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

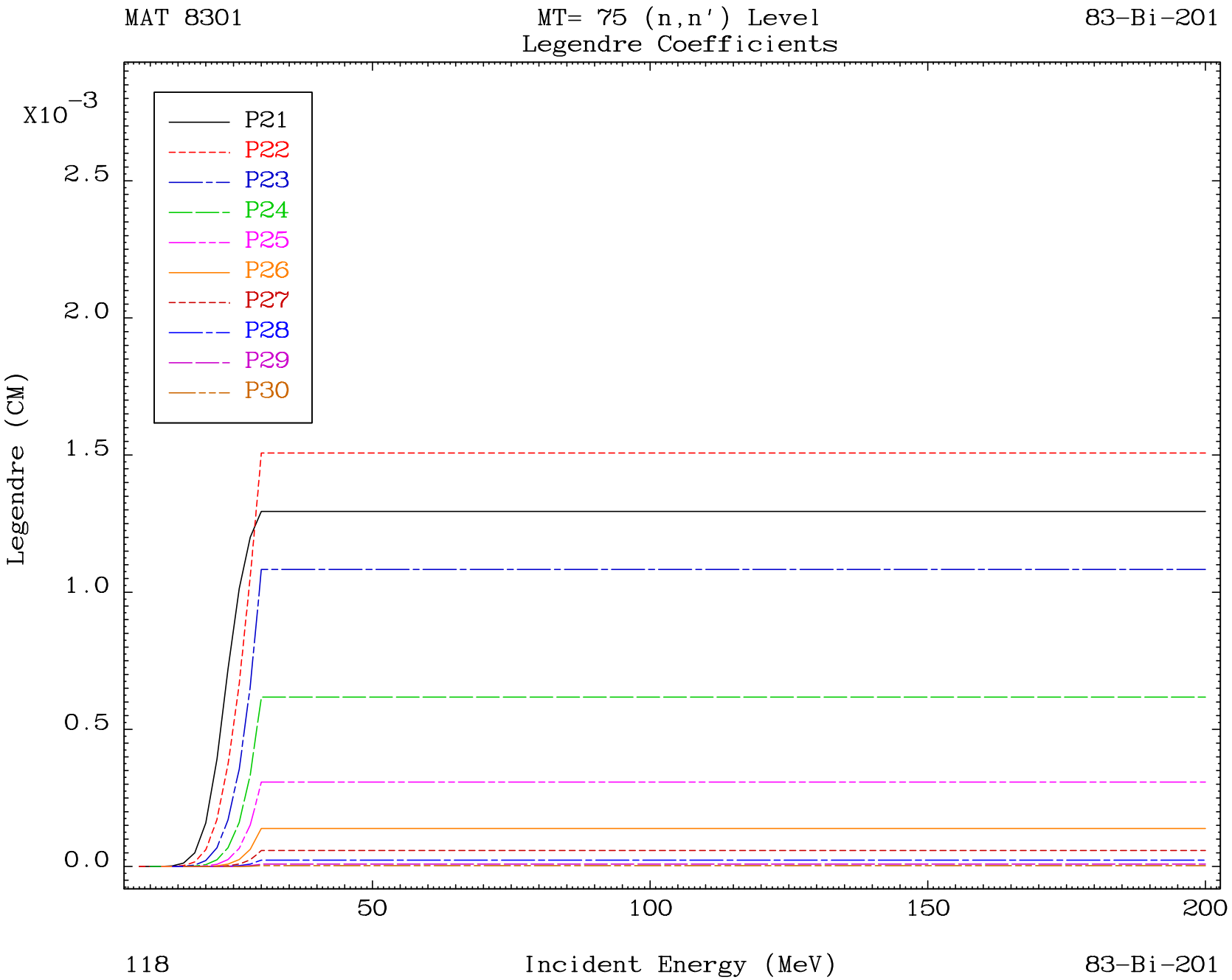

MAT 8301
MT= 74 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
113
Incident Energy (MeV)
83-Bi-201

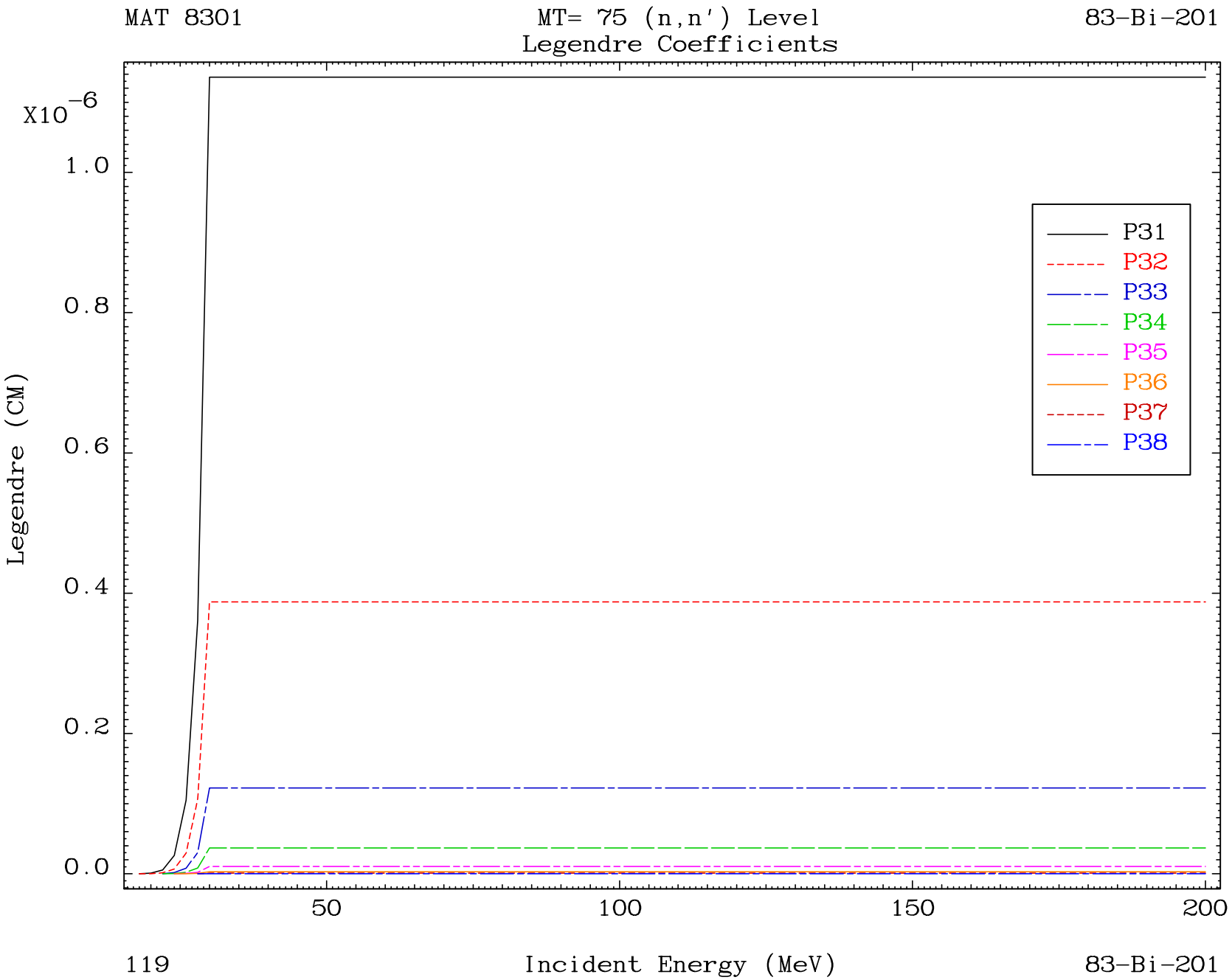

MAT 8301
MT= 74 (n,n') Level
Legendre Coefficients
83-Bi-201
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
114
Incident Energy (MeV)
83-Bi-201

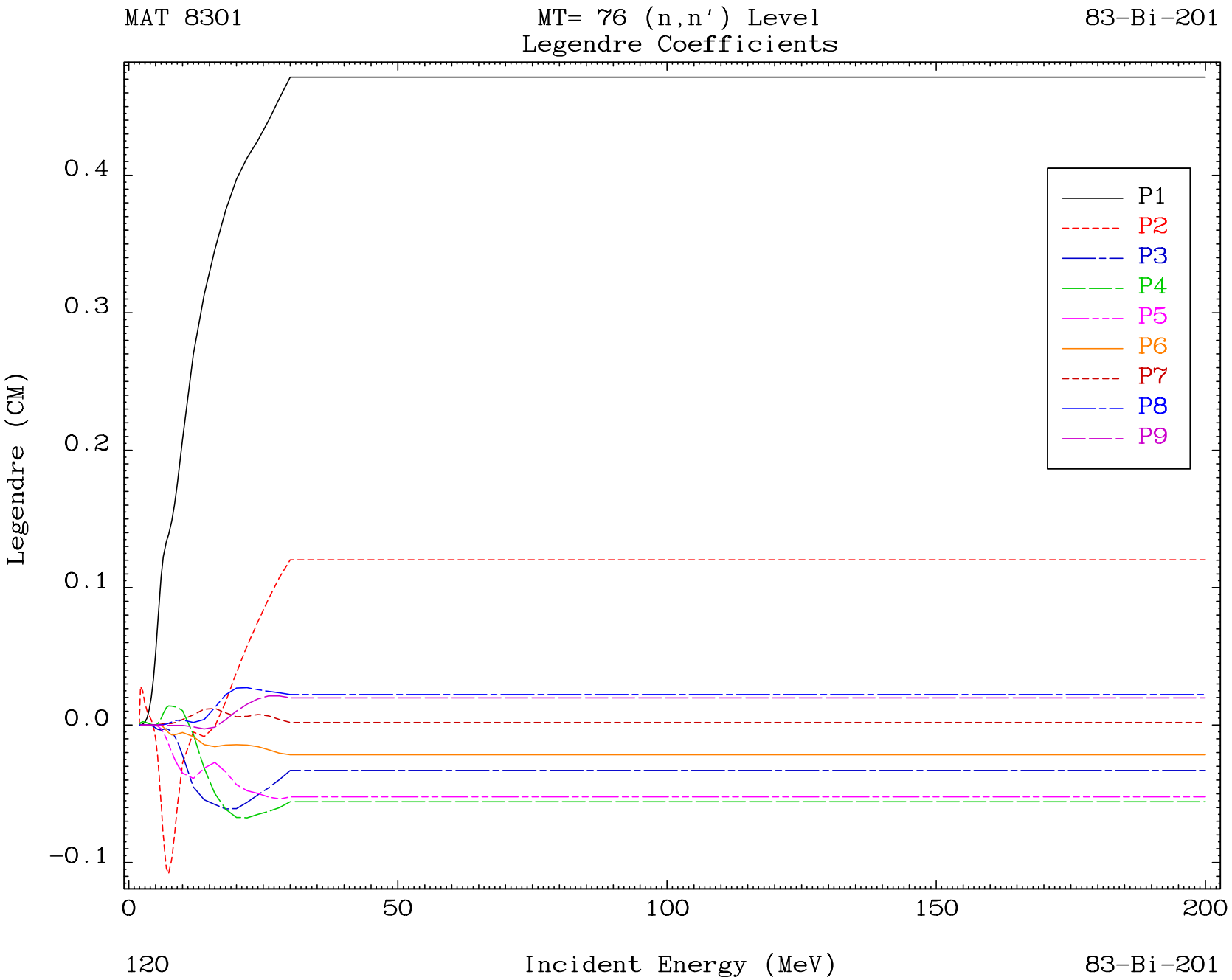

MAT 8301
MT= 74 (n,n') Level
Legendre Coefficients
83-Bi-201
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
115
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

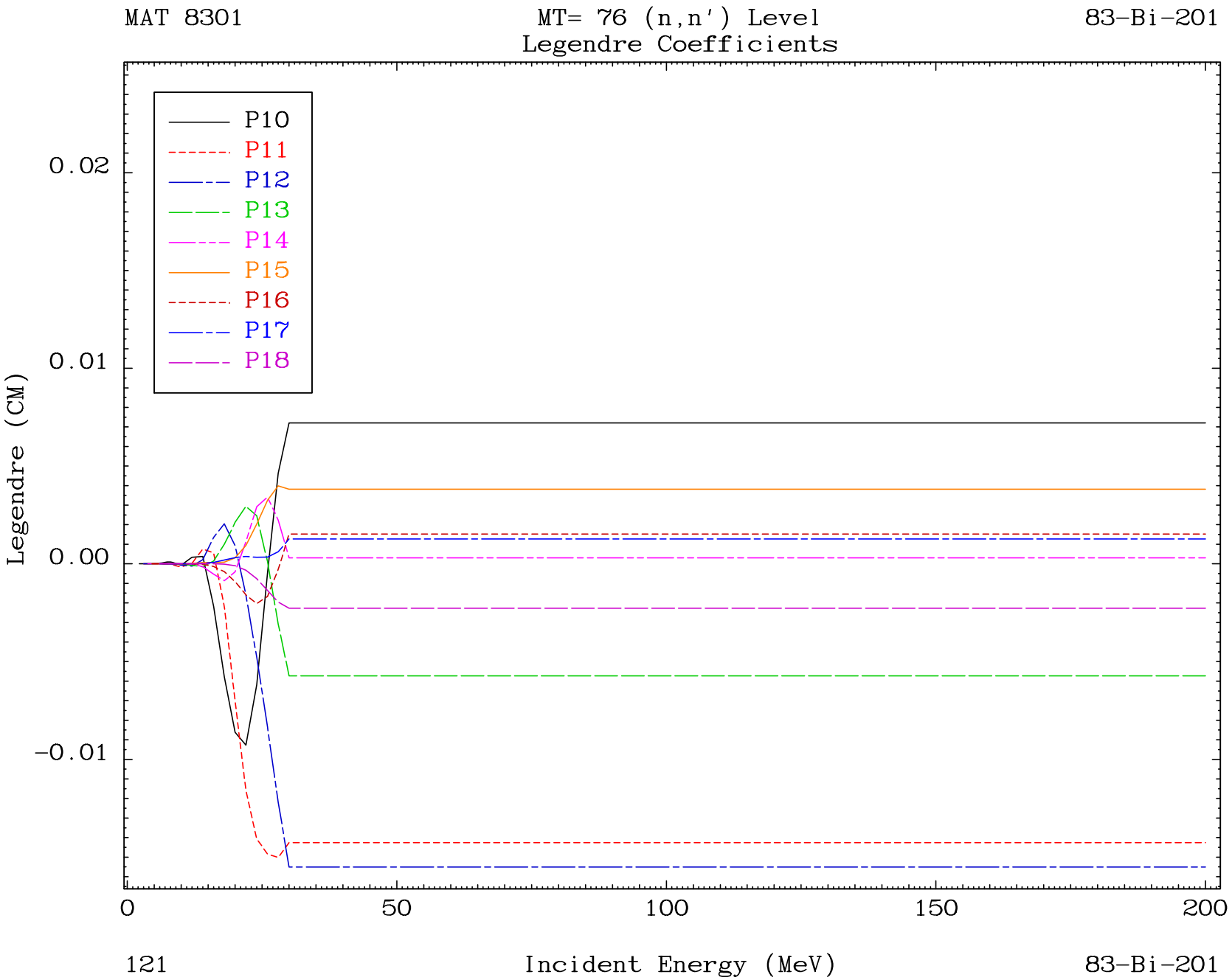

MAT 8301
MT= 75 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
116
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

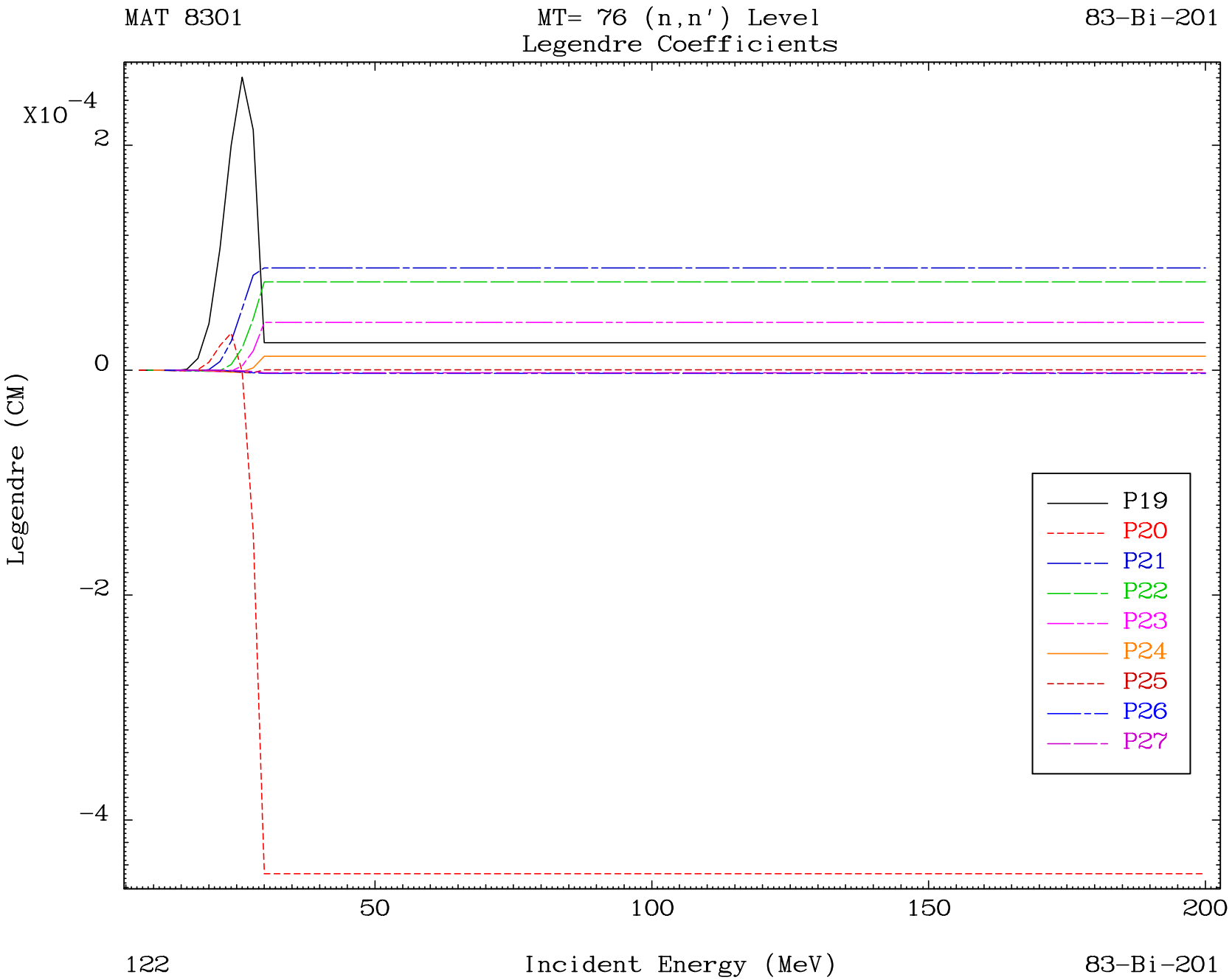

MAT 8301
MT= 75 (n,n') Level
Legendre Coefficients
83-Bi-201
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
117
Incident Energy (MeV)
83-Bi-201

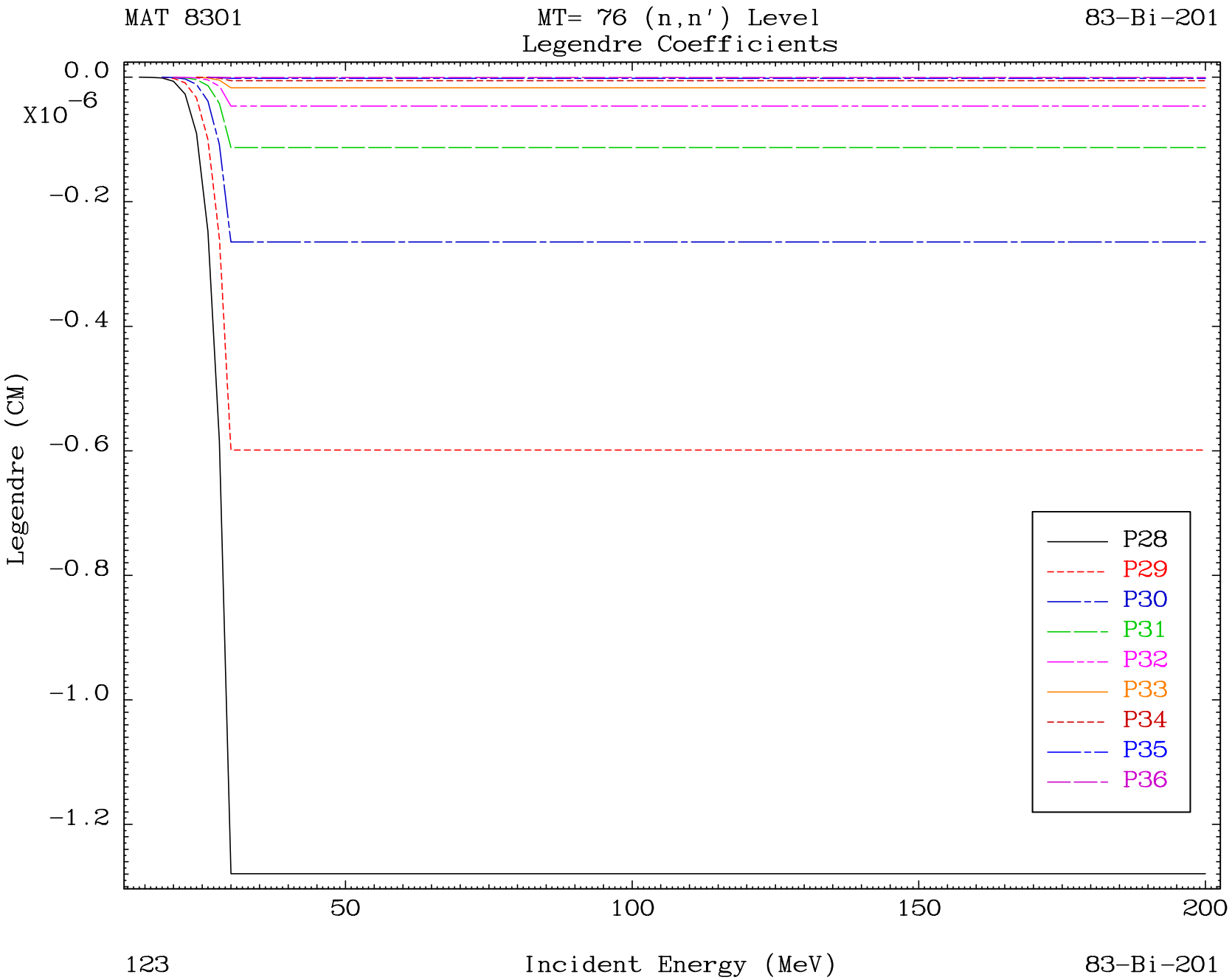

MAT 8301
MT= 75 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
118
Incident Energy (MeV)
83-Bi-201

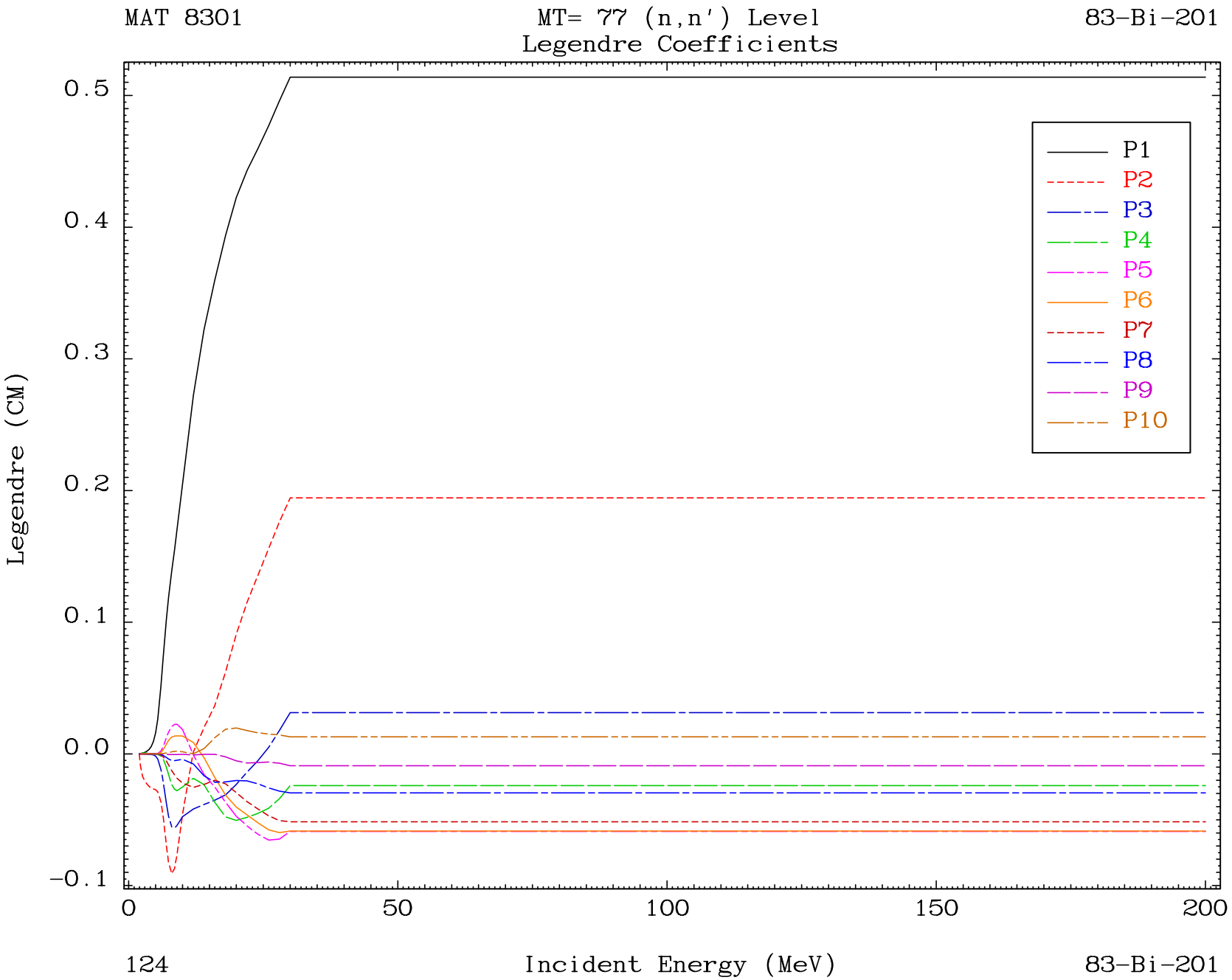

MAT 8301
MT= 75 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
119
Incident Energy (MeV)
83-Bi-201

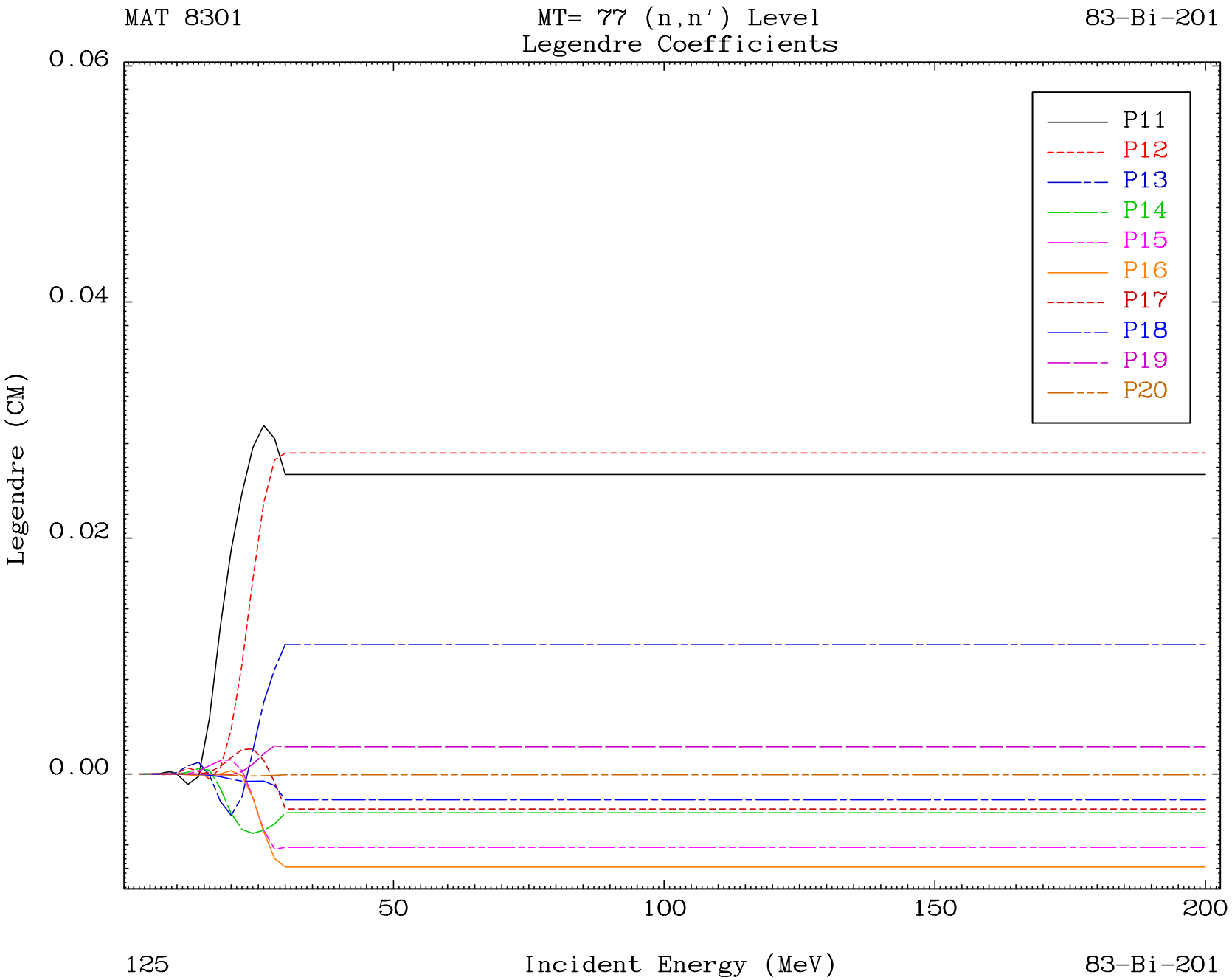

MAT 8301
MT= 76 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
120
Incident Energy (MeV)
83-Bi-201
P1
P2
P3
P4
P5
P6
P7
P8
P9

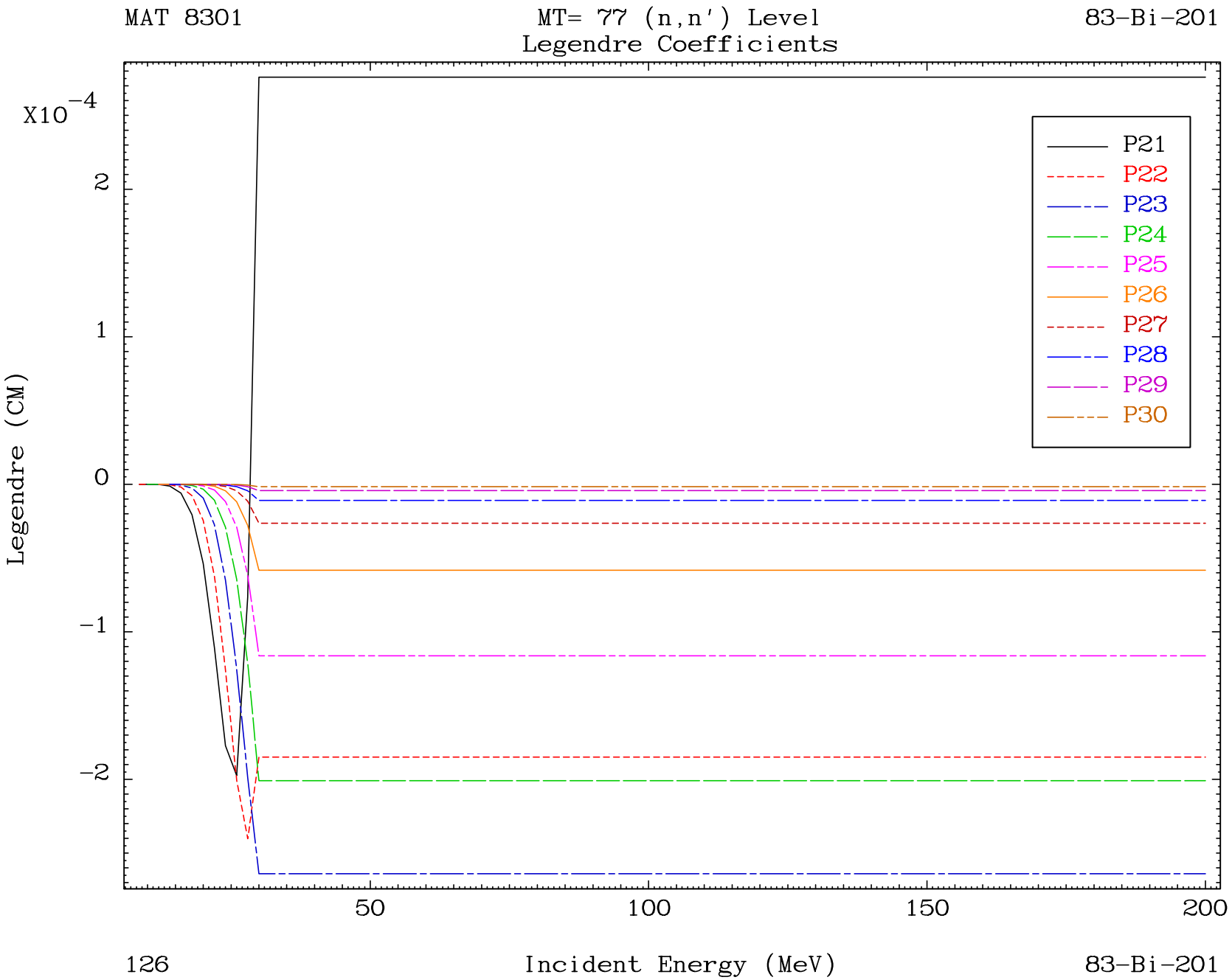

MAT 8301
MT= 76 (n,n') Level
Legendre Coefficients
83-Bi-201
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
121
Incident Energy (MeV)
83-Bi-201

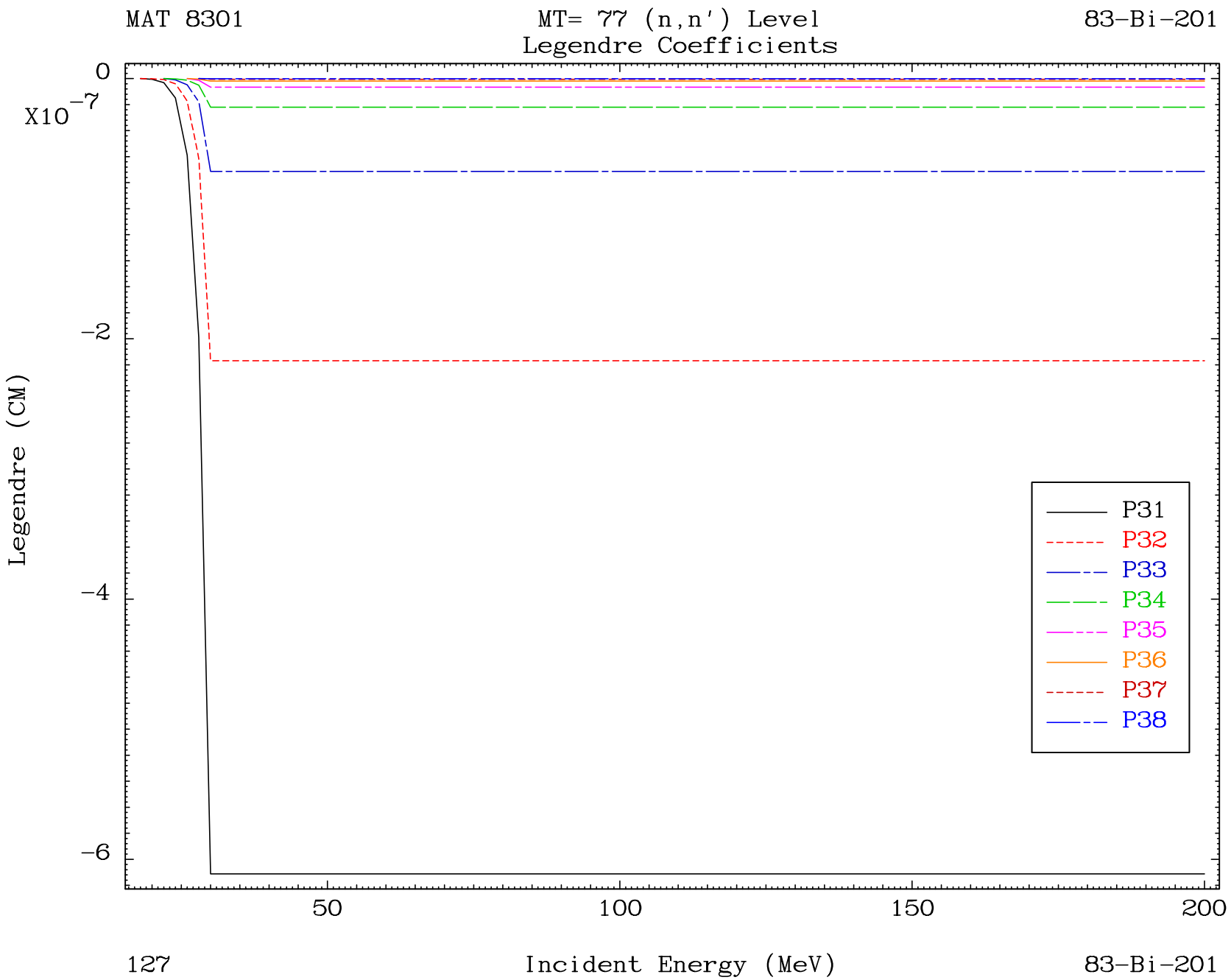

MAT 8301
MT= 76 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
2
0
-2
-4
Legendre (CM)
50
100
150
200
122
Incident Energy (MeV)
83-Bi-201
P19
P20
P21
P22
P23
P24
P25
P26
P27

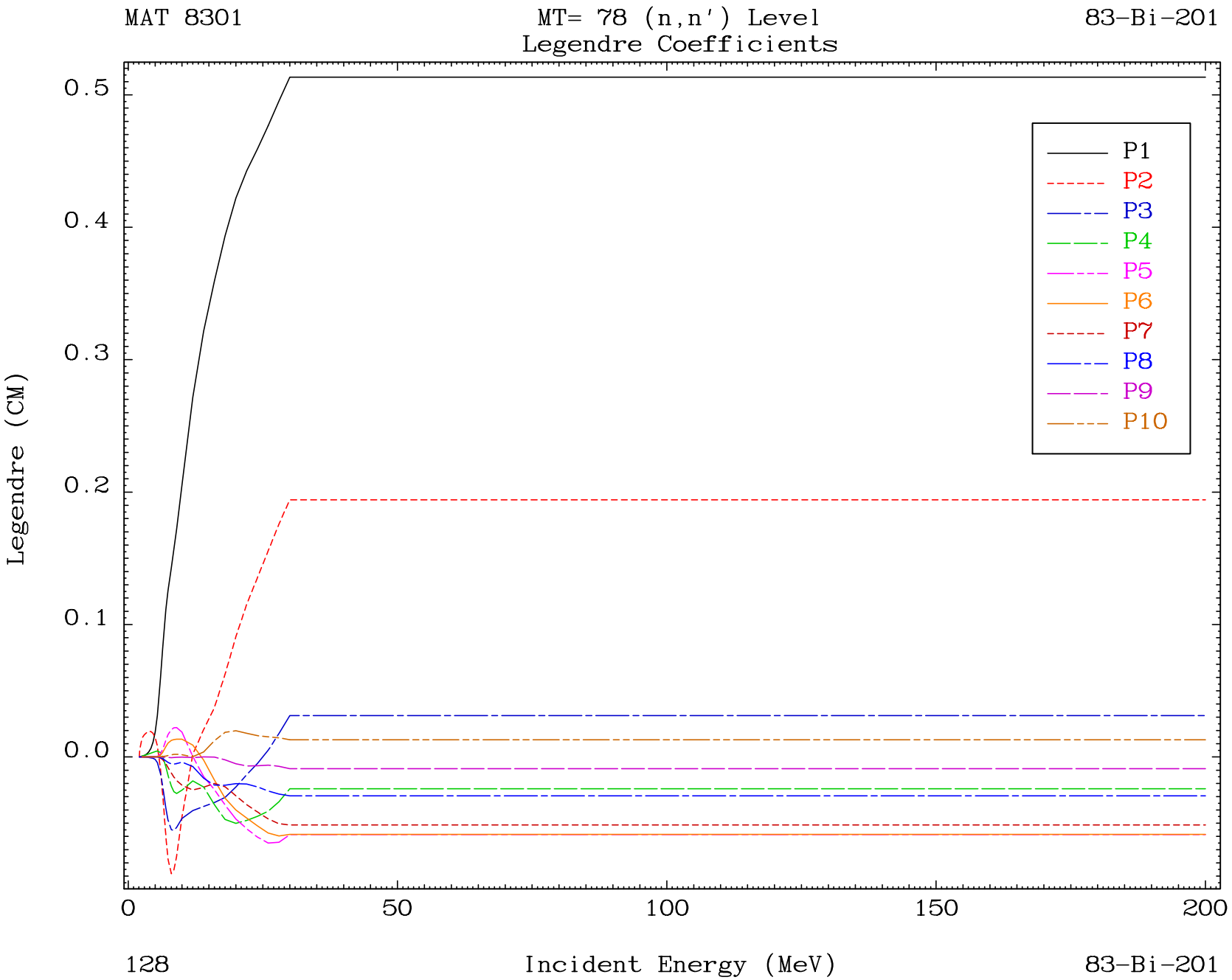

MAT 8301
MT= 76 (n,n') Level
Legendre Coefficients
83-Bi-201
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
123
Incident Energy (MeV)
83-Bi-201
P28
P29
P30
P31
P32
P33
P34
P35
P36

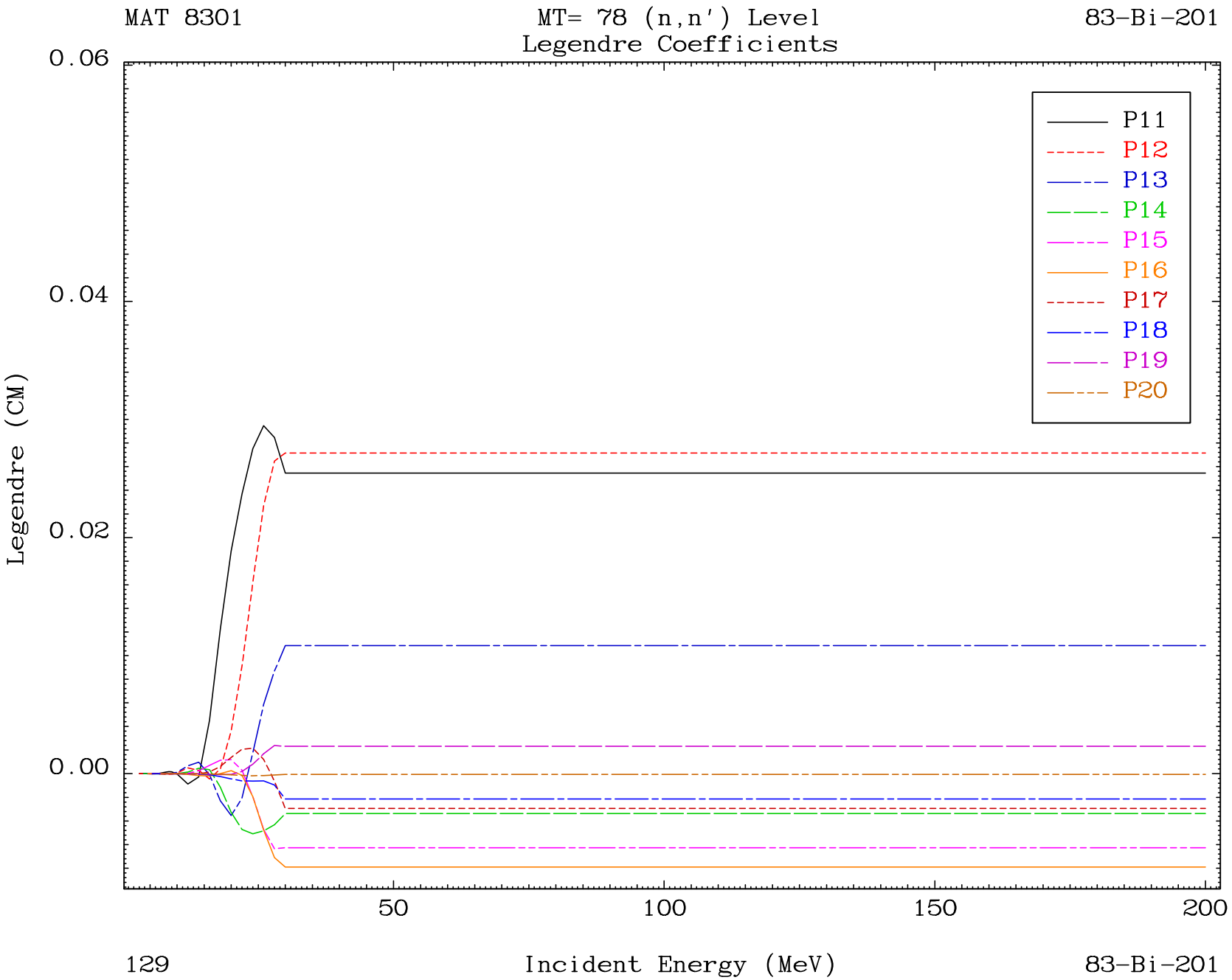

MAT 8301
MT= 77 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
124
Incident Energy (MeV)
83-Bi-201

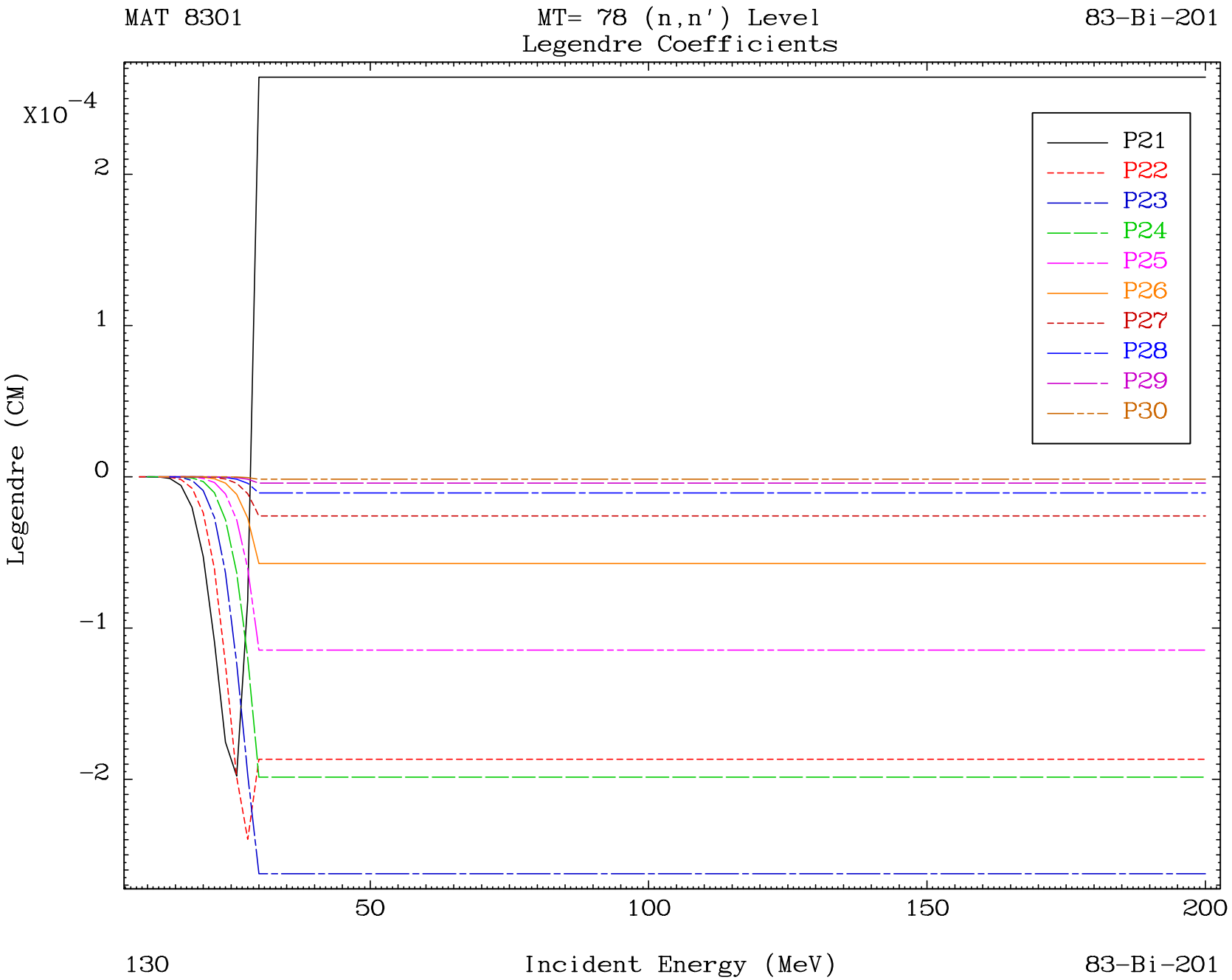

MAT 8301
MT= 77 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
125
Incident Energy (MeV)
83-Bi-201

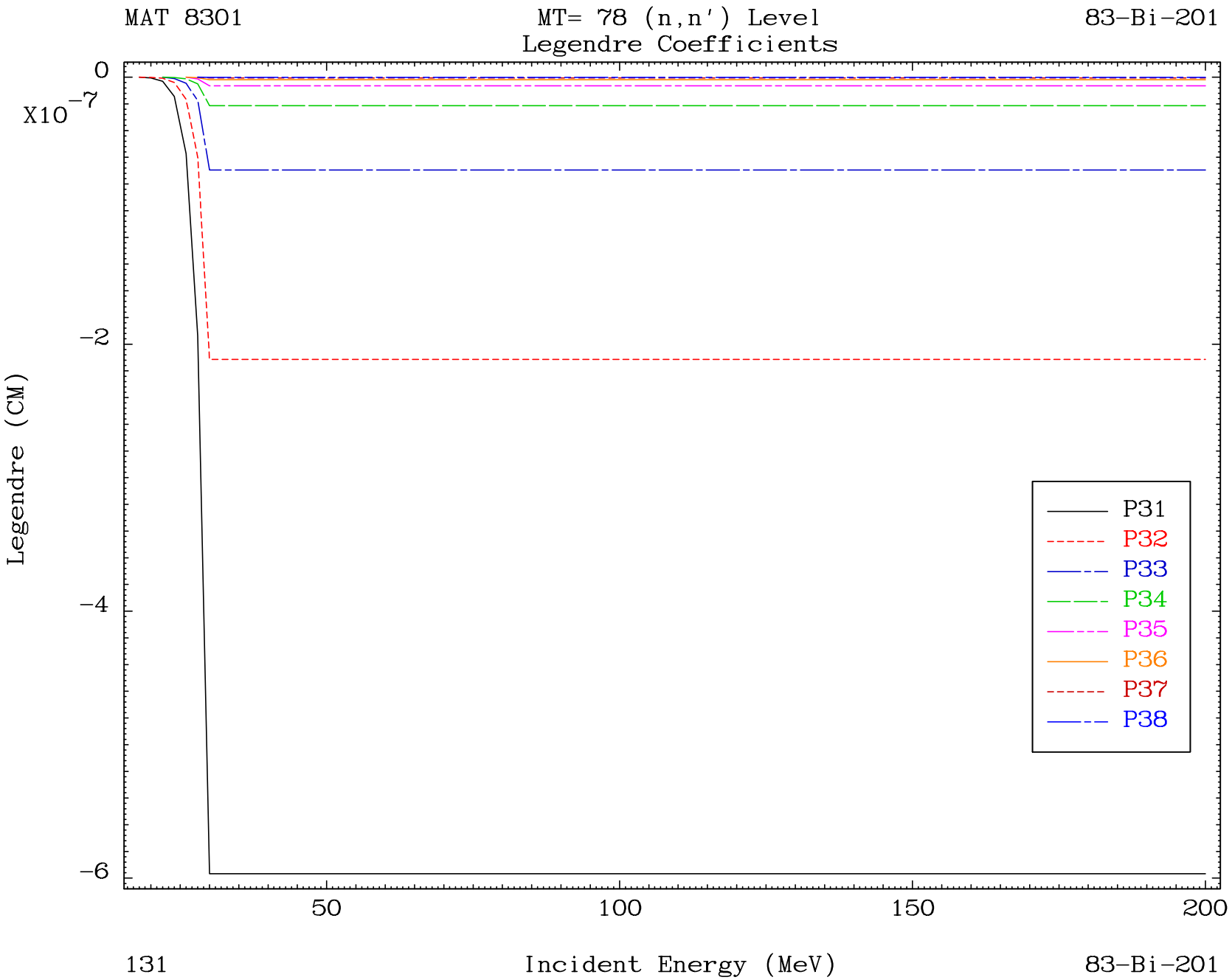

MAT 8301
MT= 77 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
126
Incident Energy (MeV)
83-Bi-201

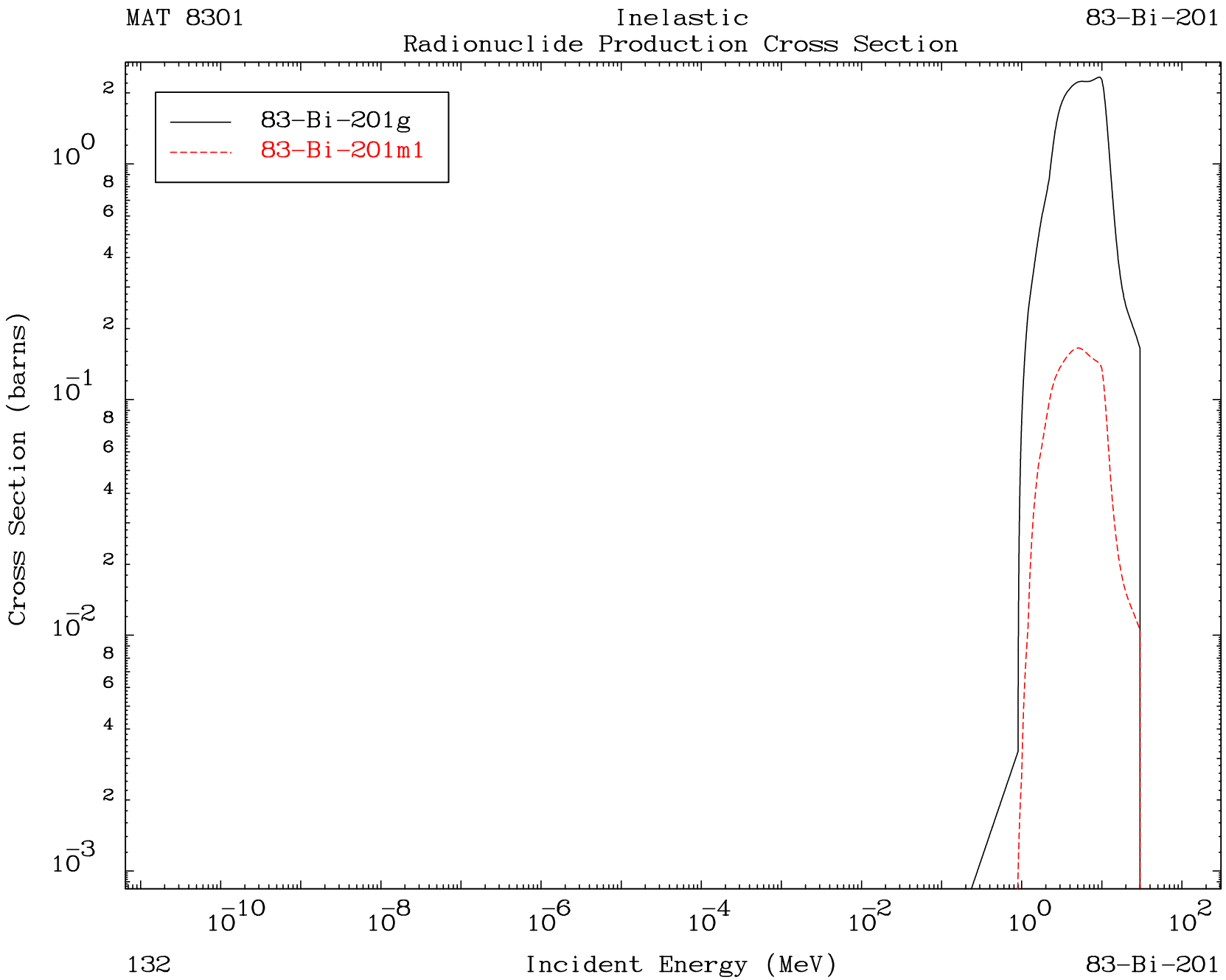

MAT 8301
MT= 77 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
127
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

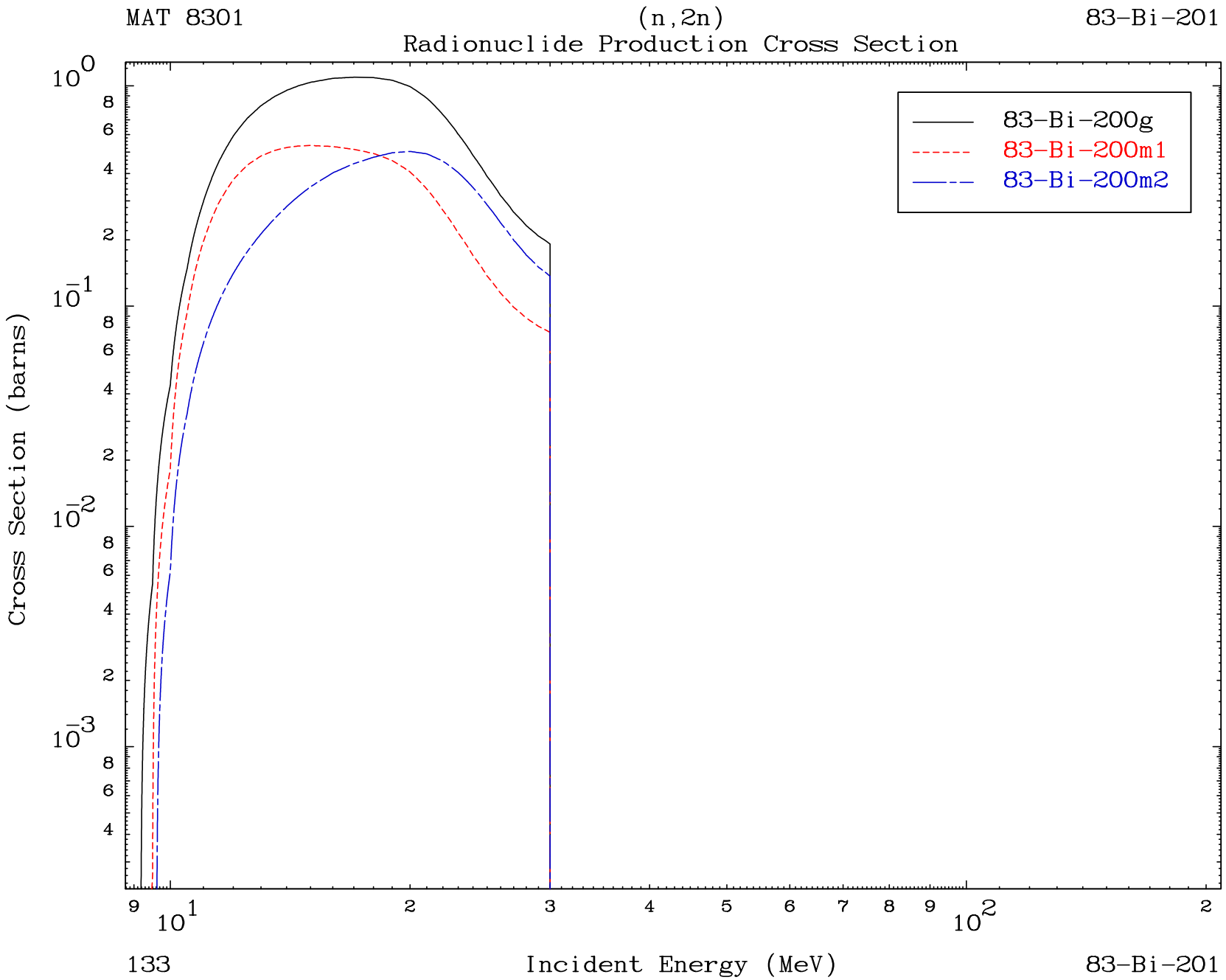

MAT 8301
MT= 78 (n,n') Level
Legendre Coefficients
83-Bi-201
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
128
Incident Energy (MeV)
83-Bi-201

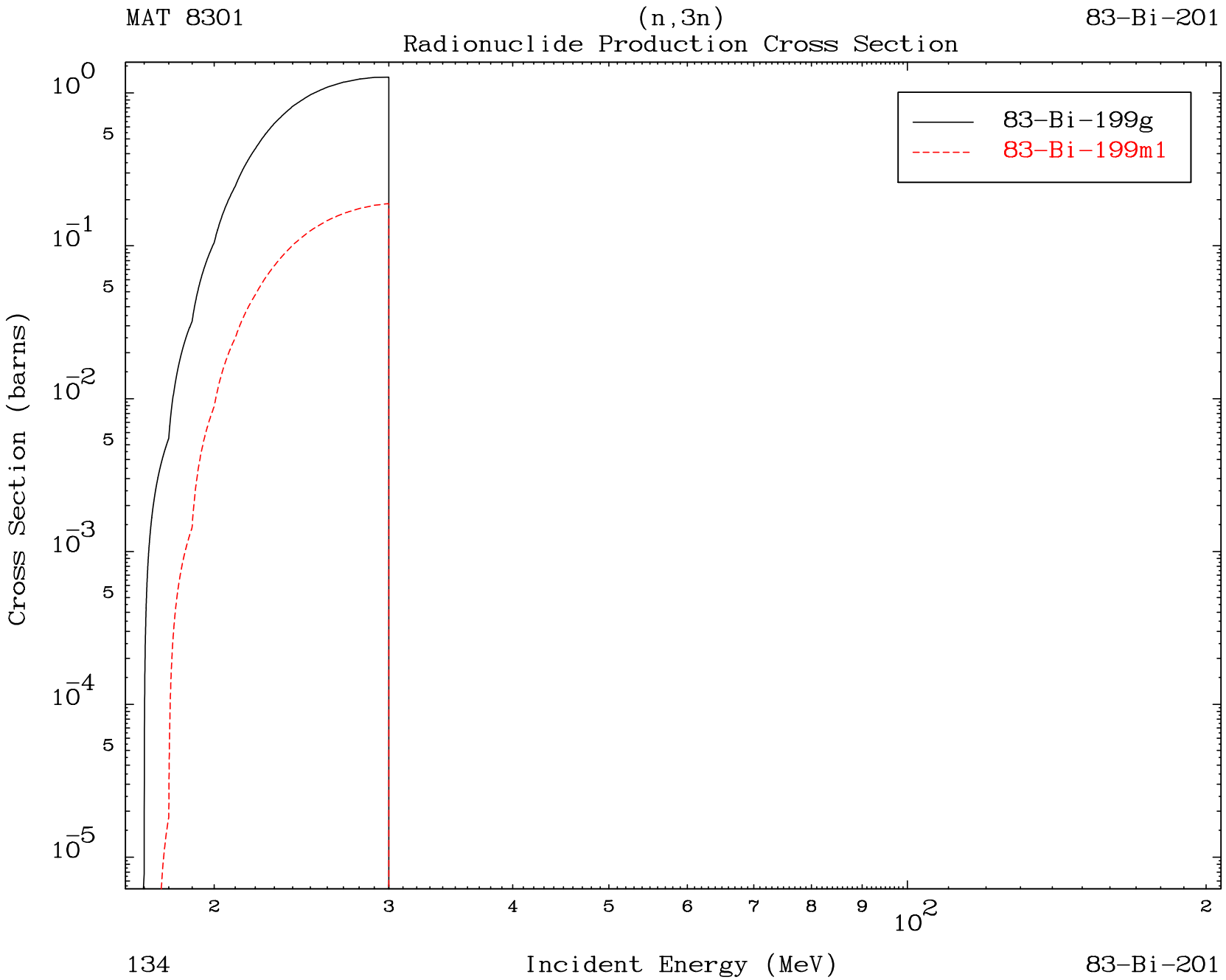

MAT 8301
MT= 78 (n,n') Level
Legendre Coefficients
83-Bi-201
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
129
Incident Energy (MeV)
83-Bi-201

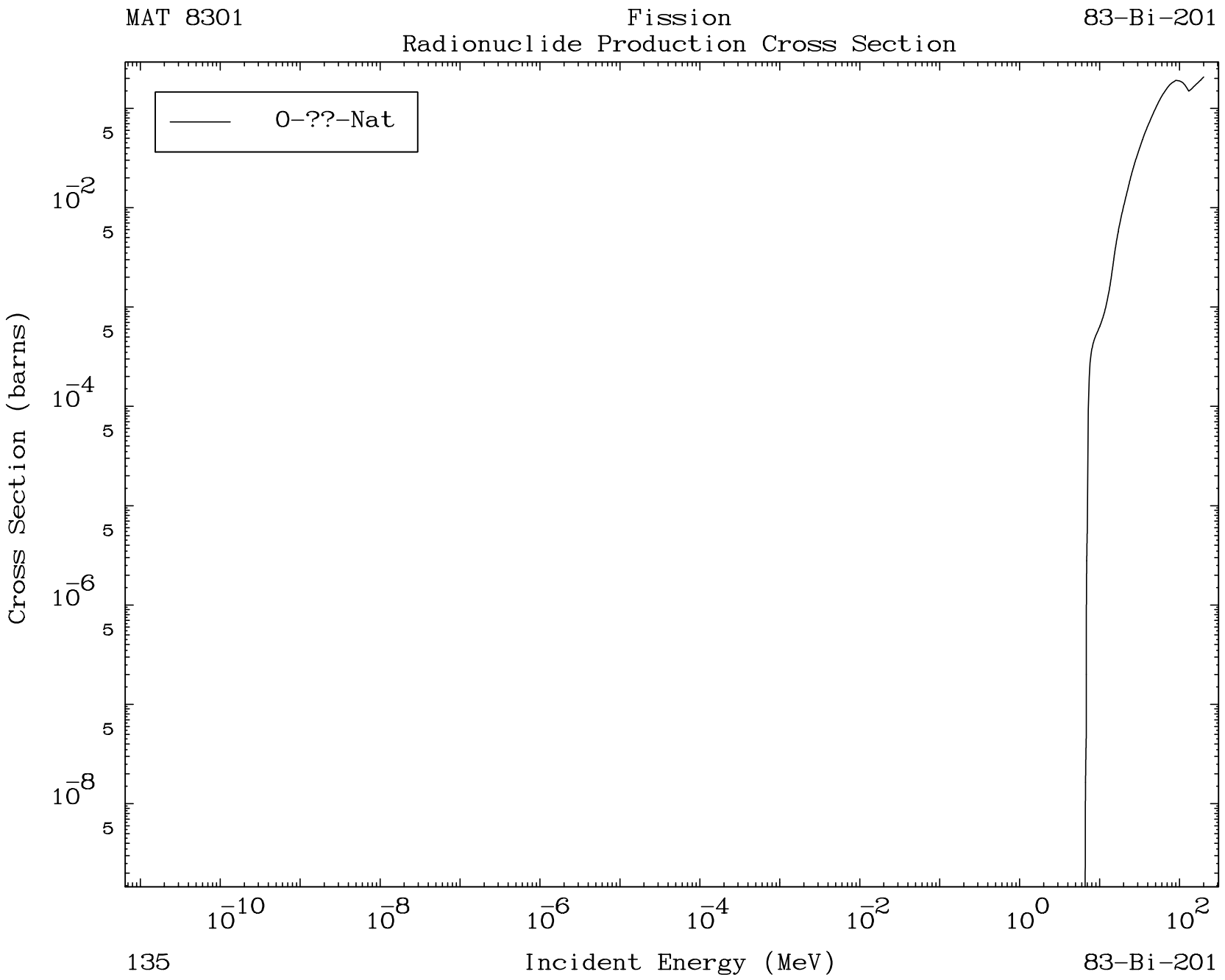

MAT 8301
MT= 78 (n,n') Level
Legendre Coefficients
83-Bi-201
X10^-4
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
130
Incident Energy (MeV)
83-Bi-201

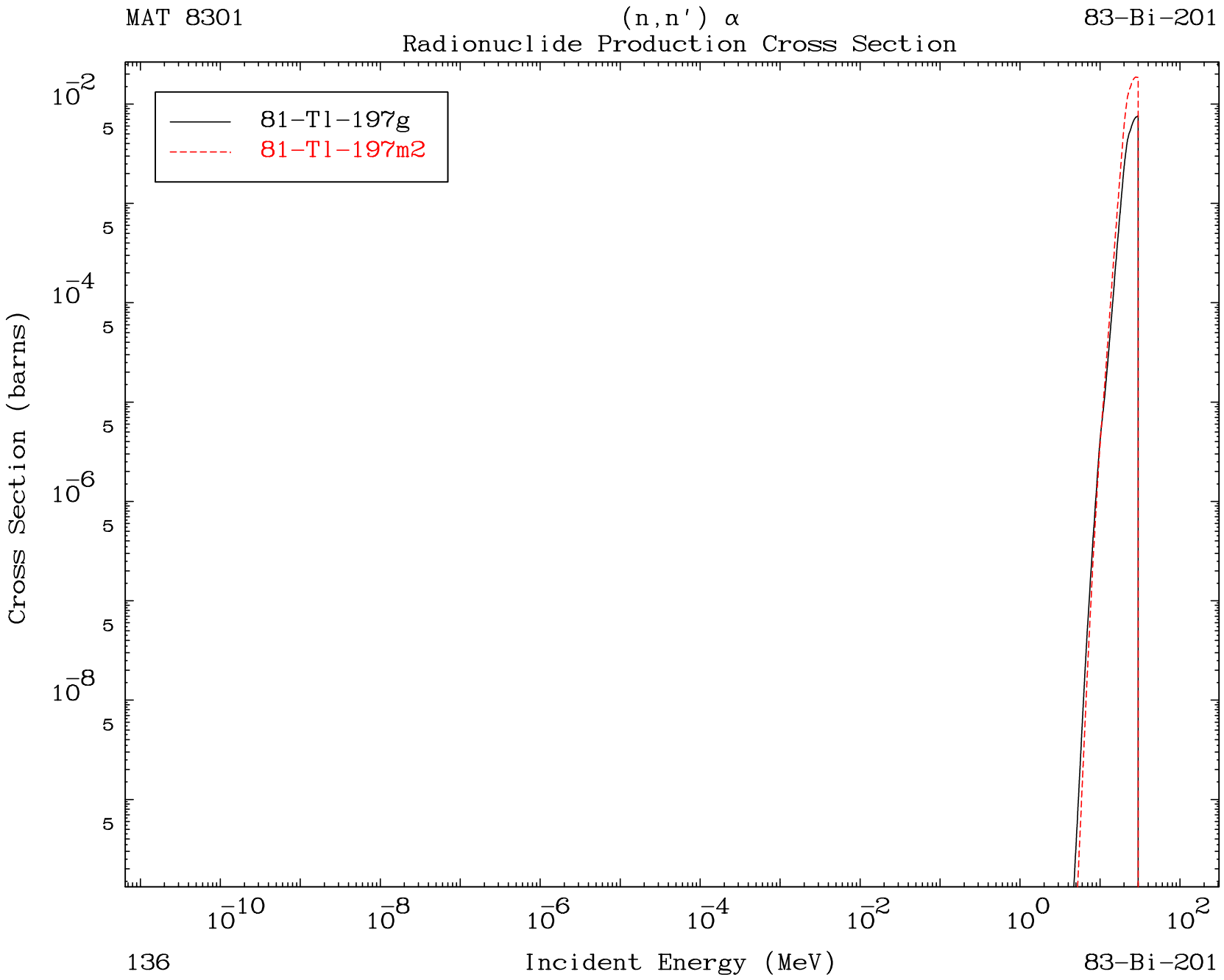

MAT 8301
MT= 78 (n,n') Level
Legendre Coefficients
83-Bi-201
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
131
Incident Energy (MeV)
83-Bi-201
P31
P32
P33
P34
P35
P36
P37
P38

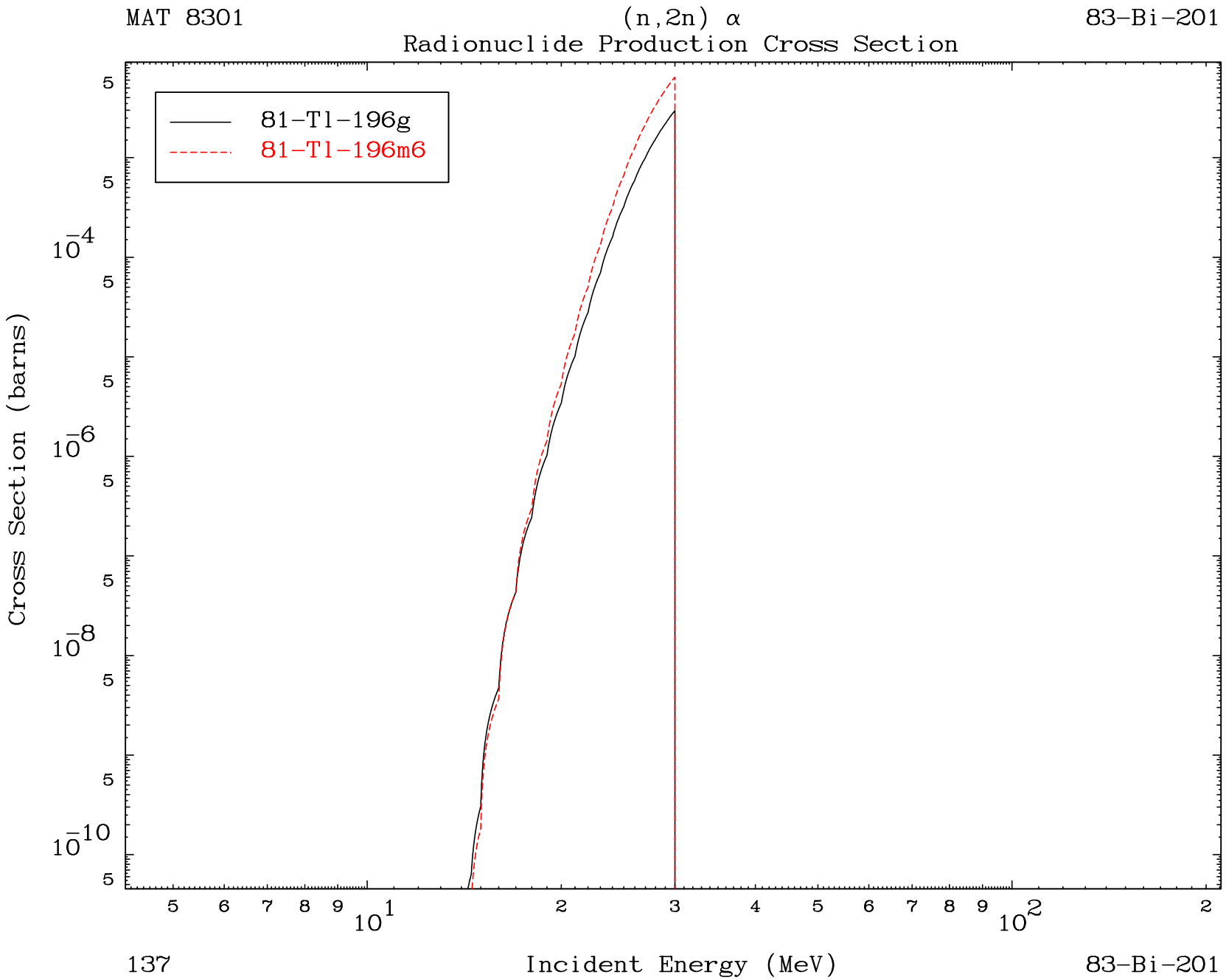

MAT 8301
Inelastic
83-Bi-201
Radionuclide Production Cross Section
83-Bi-201g
83-Bi-201m1
Cross Section (barns)
Incident Energy (MeV)
132
83-Bi-201

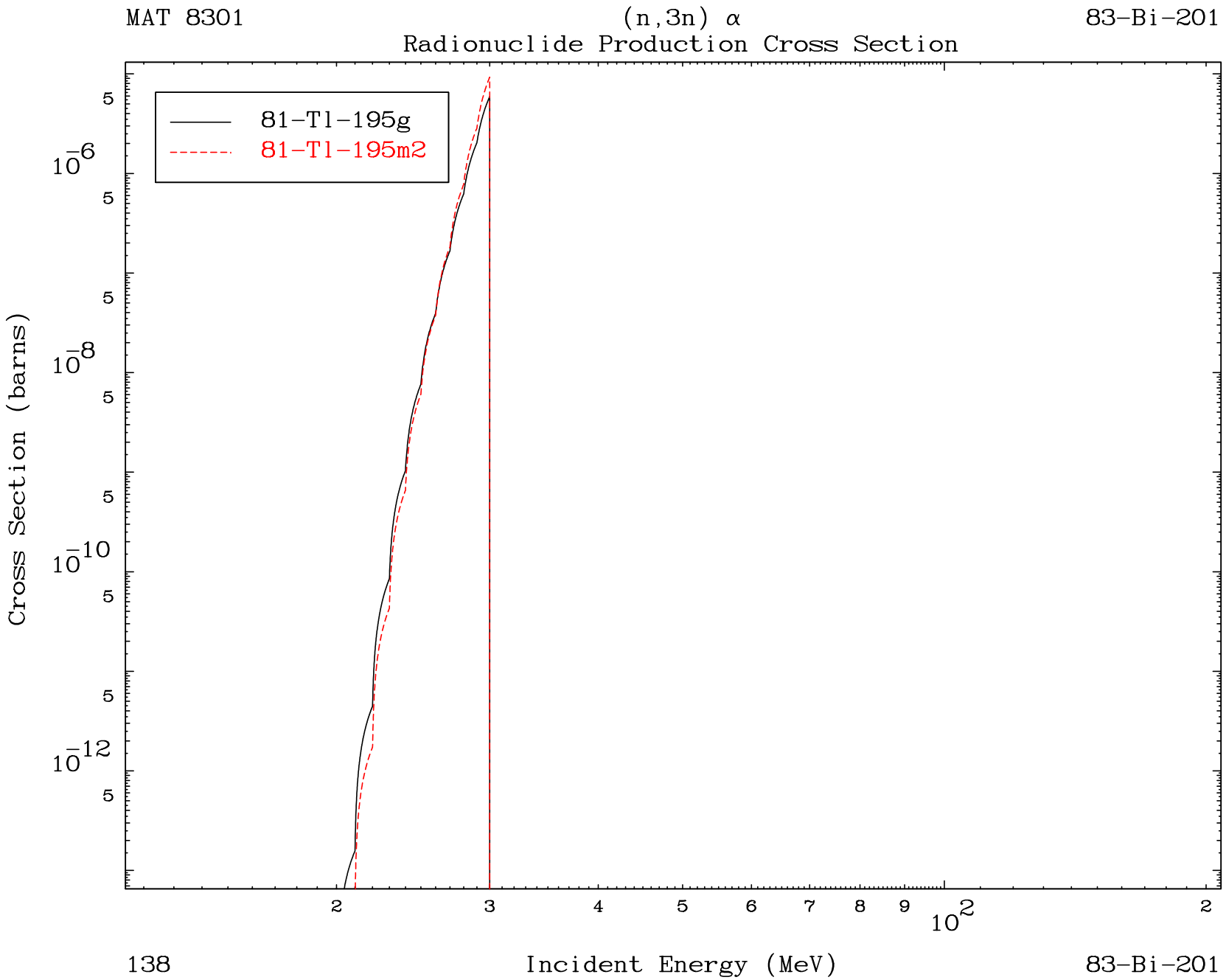

MAT 8301
(n,2n)
83-Bi-201
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
Incident Energy (MeV)
133
83-Bi-201

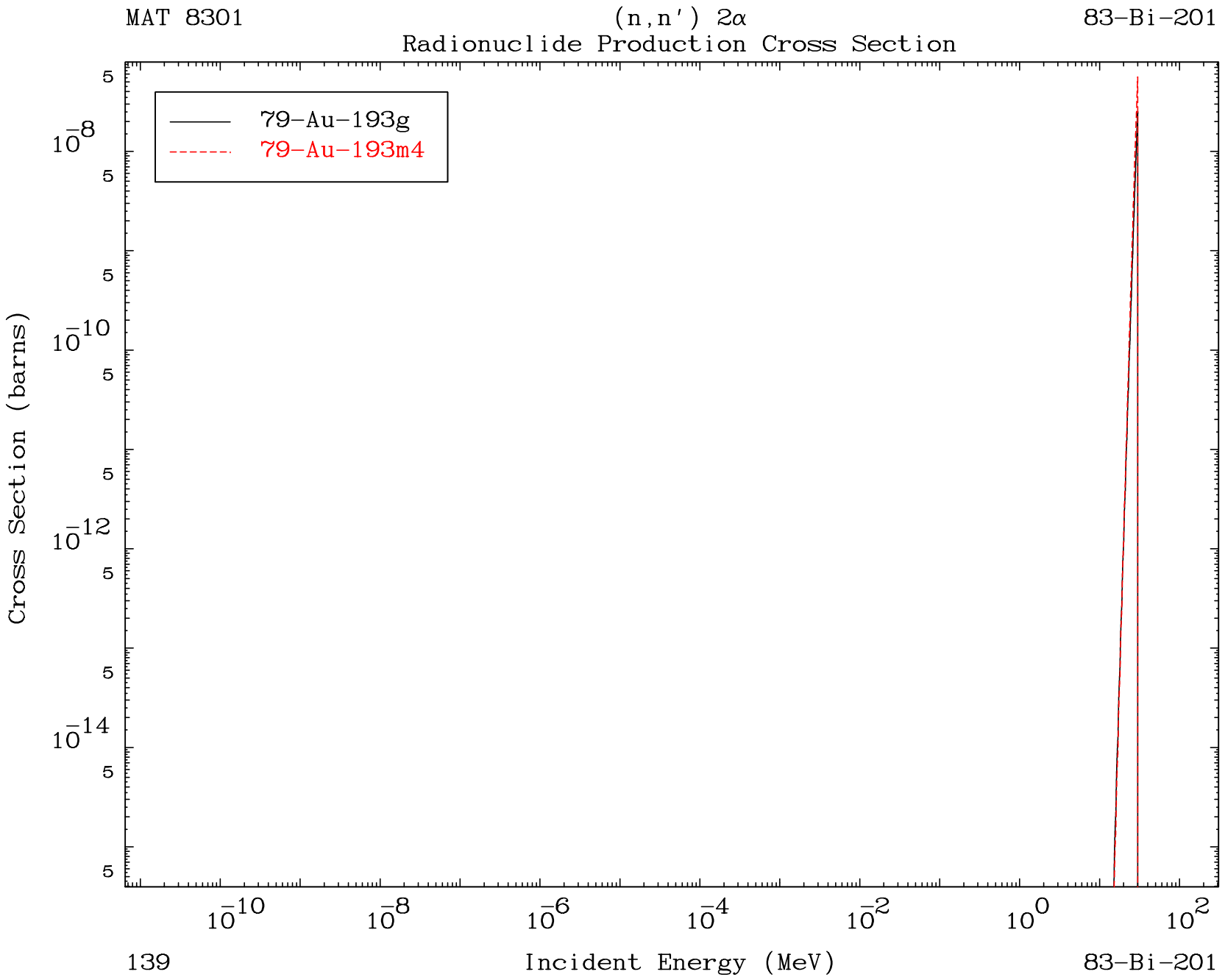

MAT 8301
(n,3n)
83-Bi-201
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
134
83-Bi-201

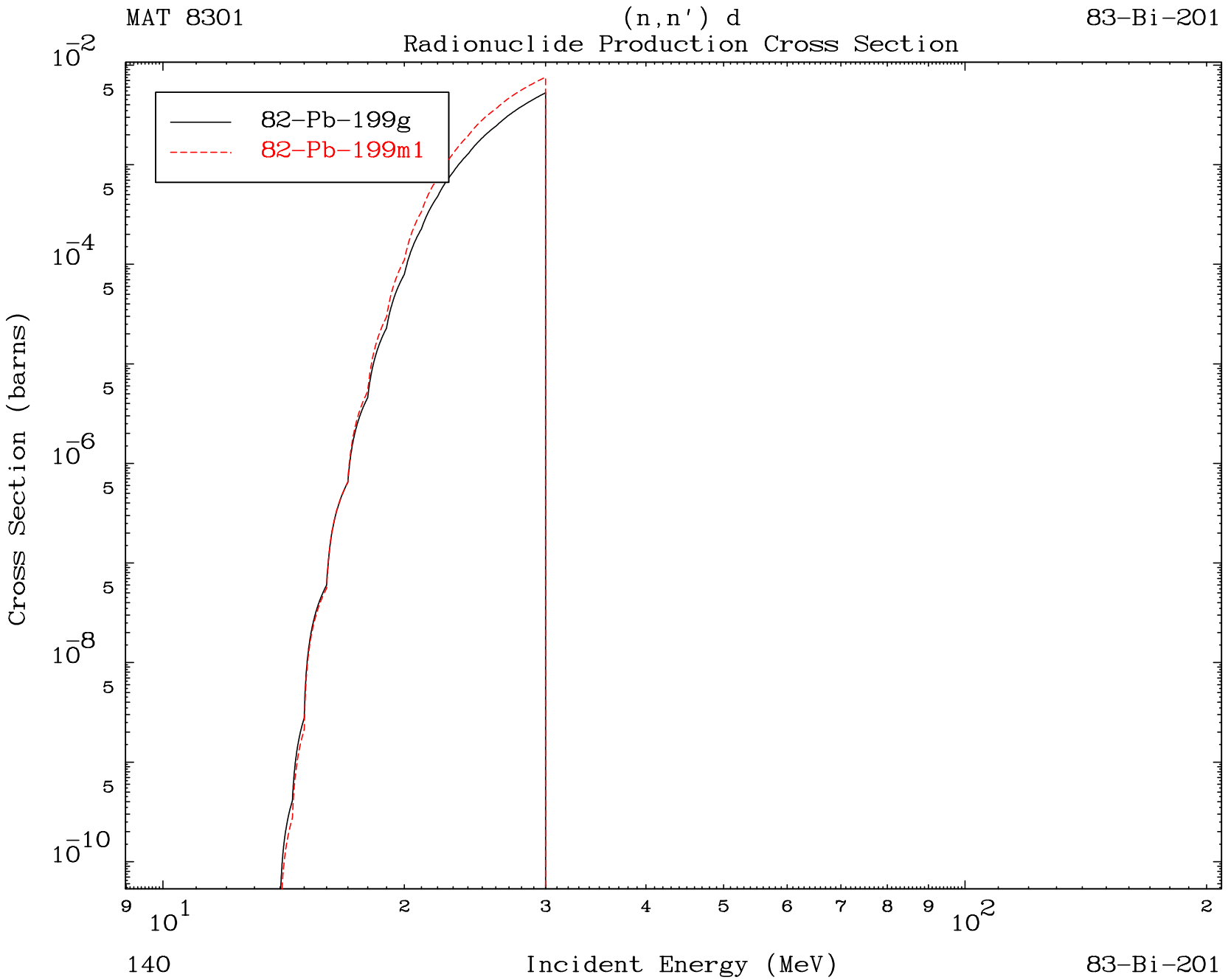

MAT 8301
Fission
83-Bi-201
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
135
83-Bi-201

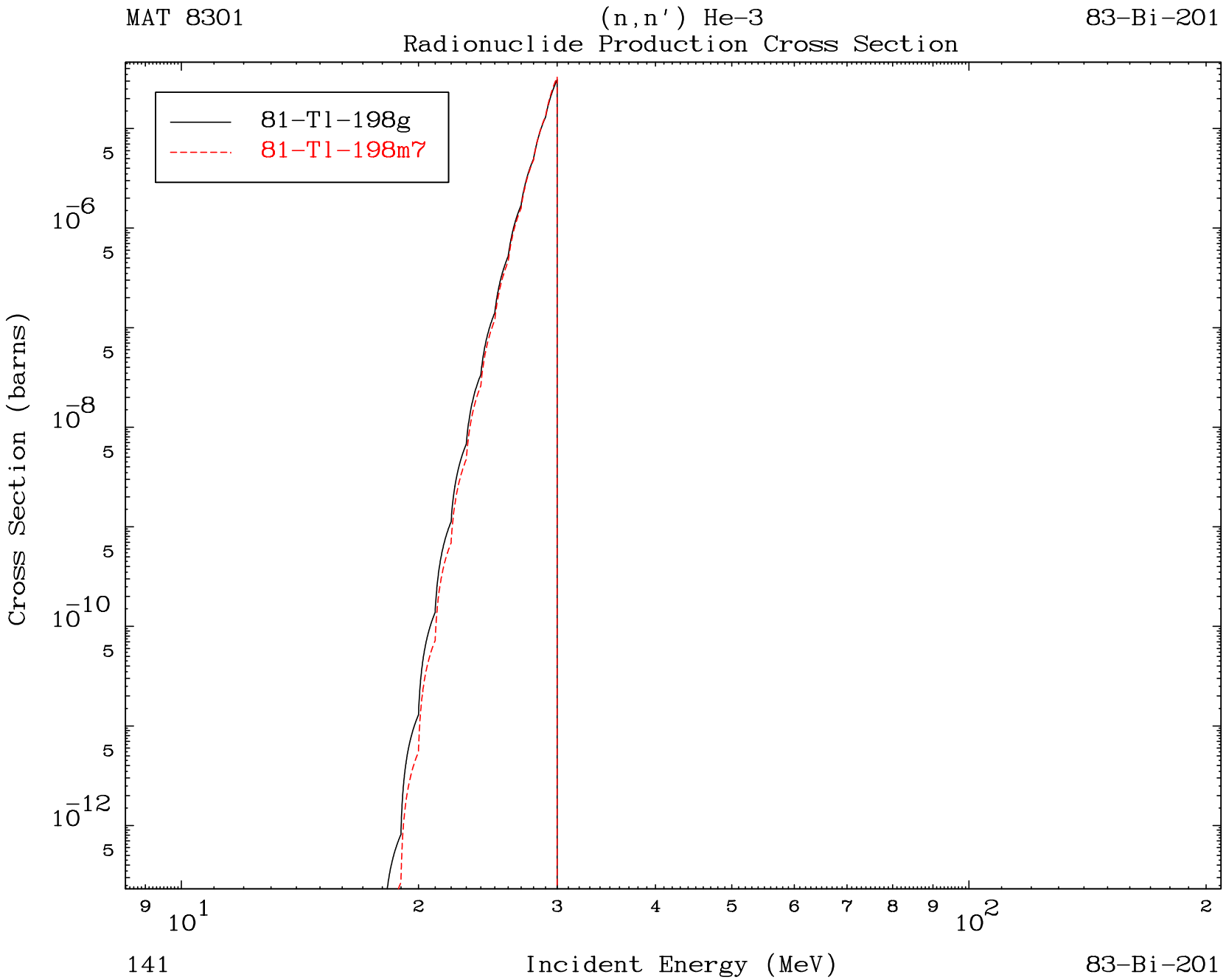

MAT 8301
(n,n') α
83-Bi-201
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
136
83-Bi-201

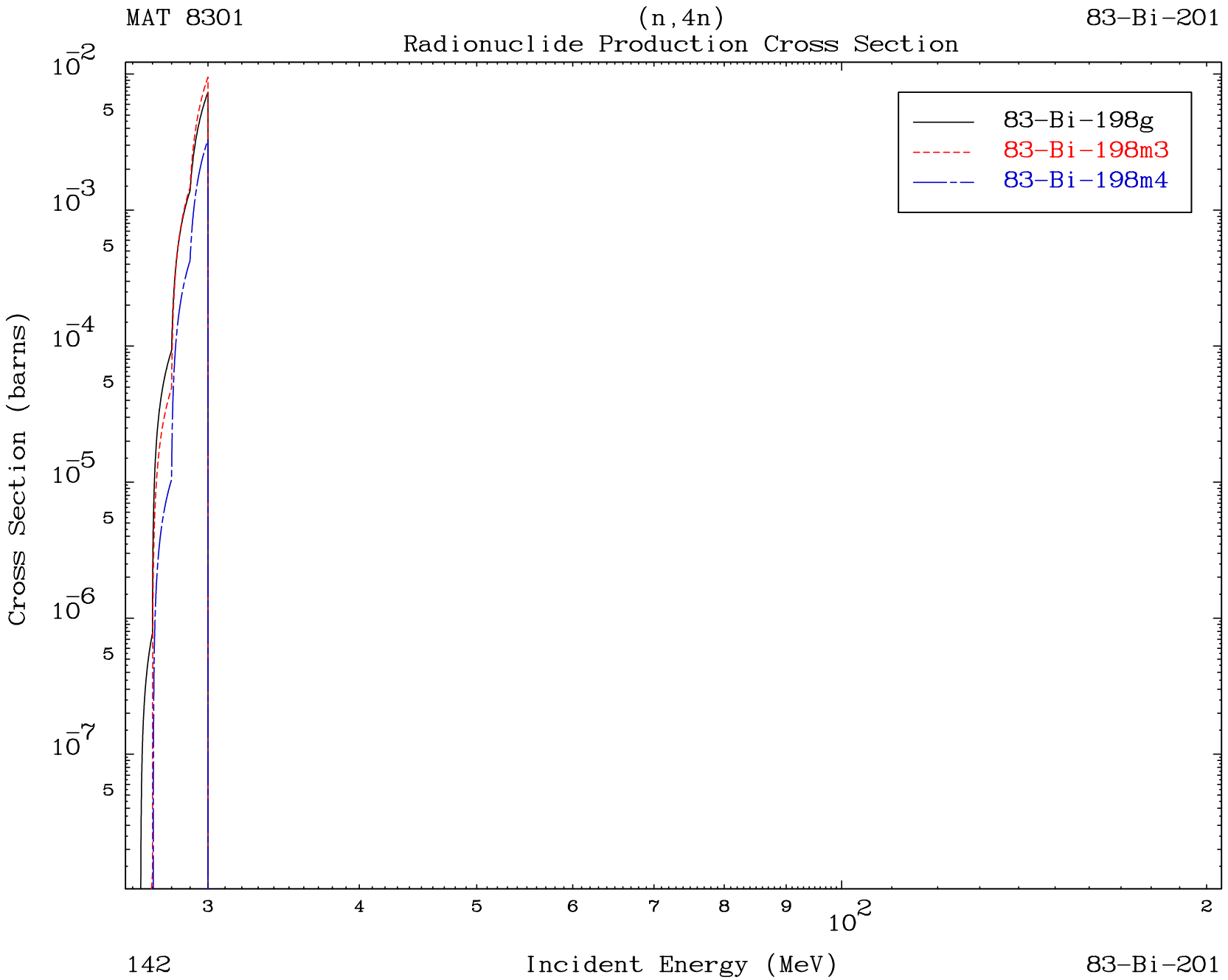

MAT 8301
(n,2n) α
83-Bi-201
Radionuclide Production Cross Section
81-Tl-196g
81-Tl-196m6
Cross Section (barns)
Incident Energy (MeV)
137
83-Bi-201

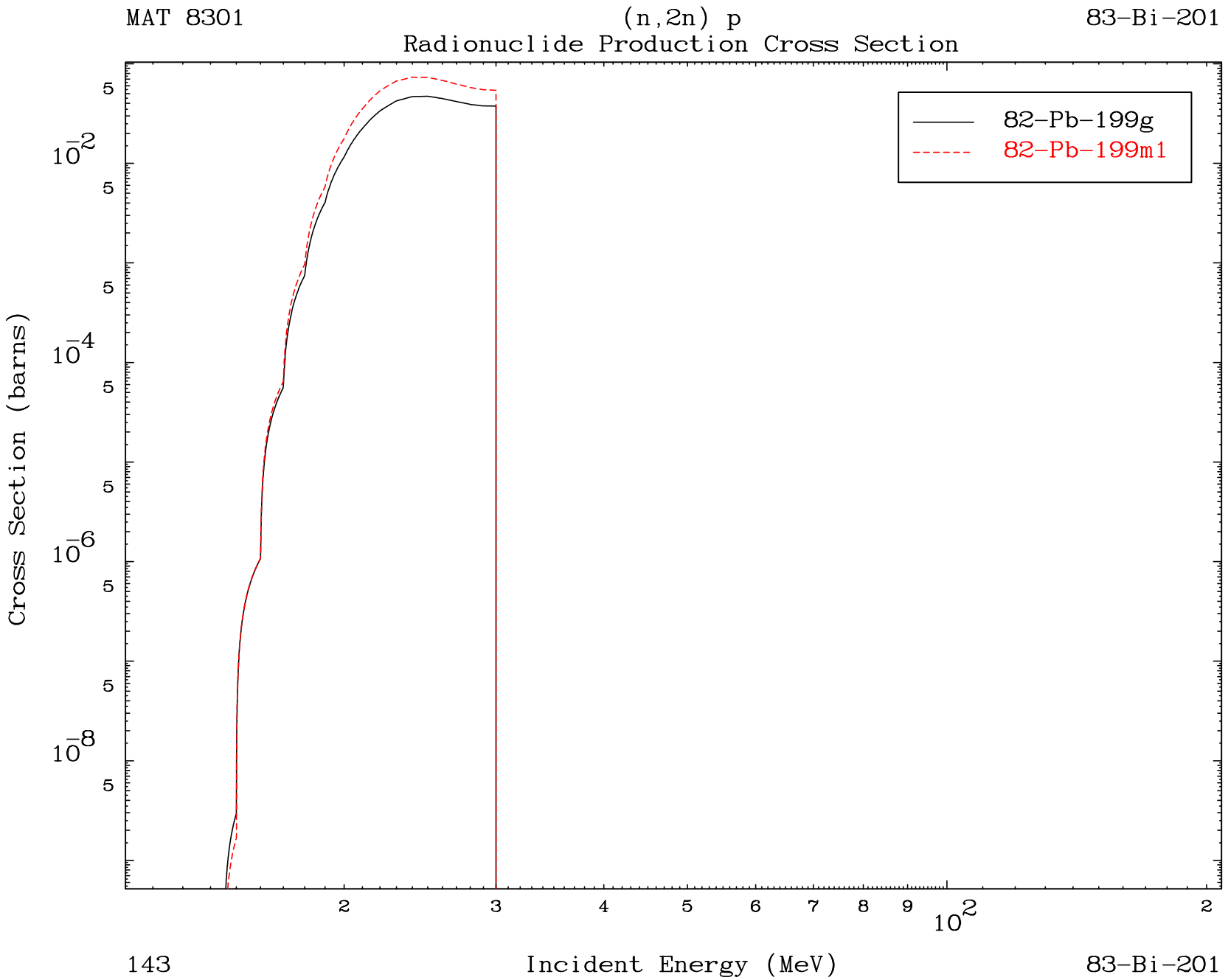

MAT 8301
(n,3n) α
83-Bi-201
Radionuclide Production Cross Section
81-Tl-195g
81-Tl-195m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
138
Incident Energy (MeV)
83-Bi-201

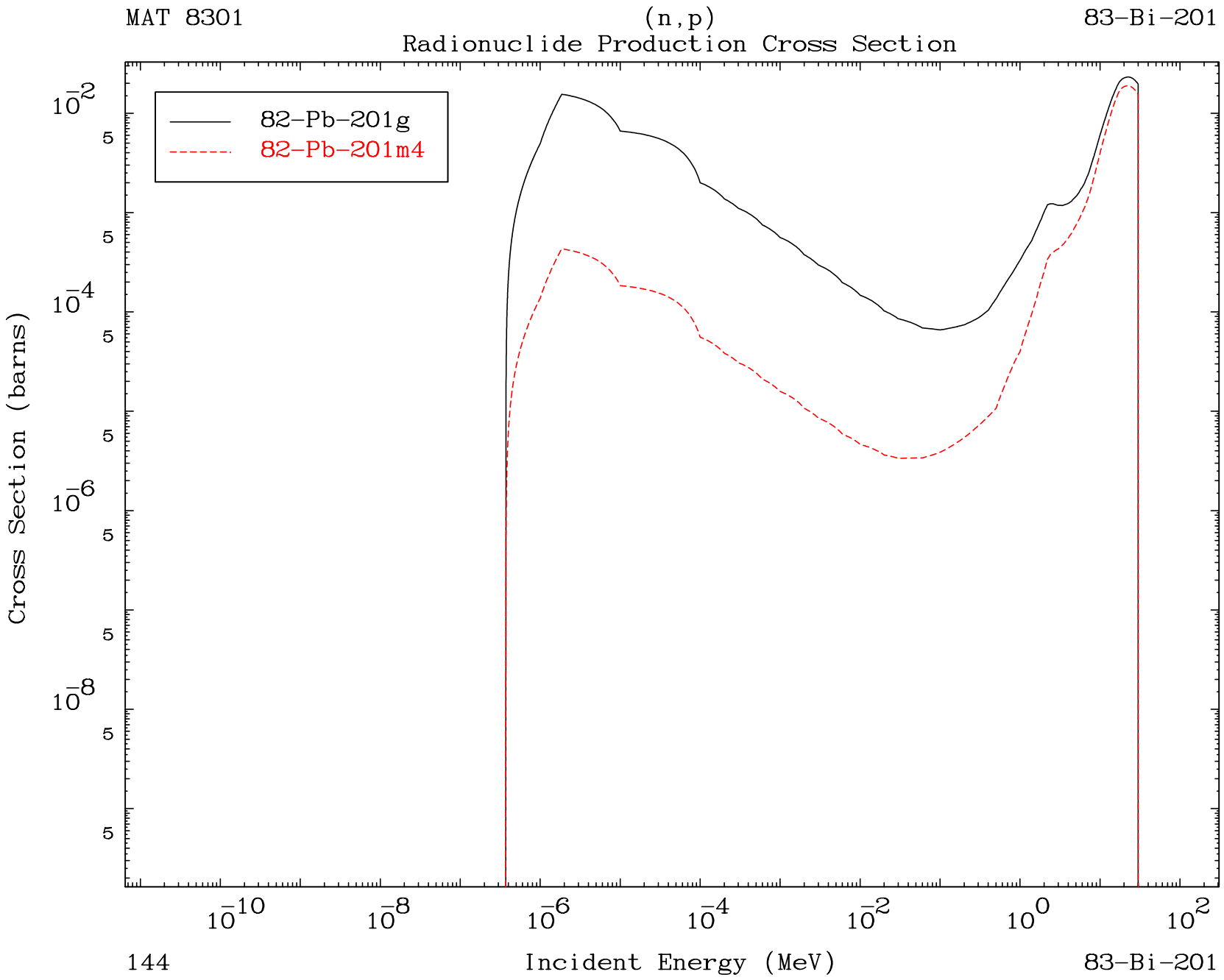

MAT 8301
(n,n') 2α
83-Bi-201
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
139
83-Bi-201

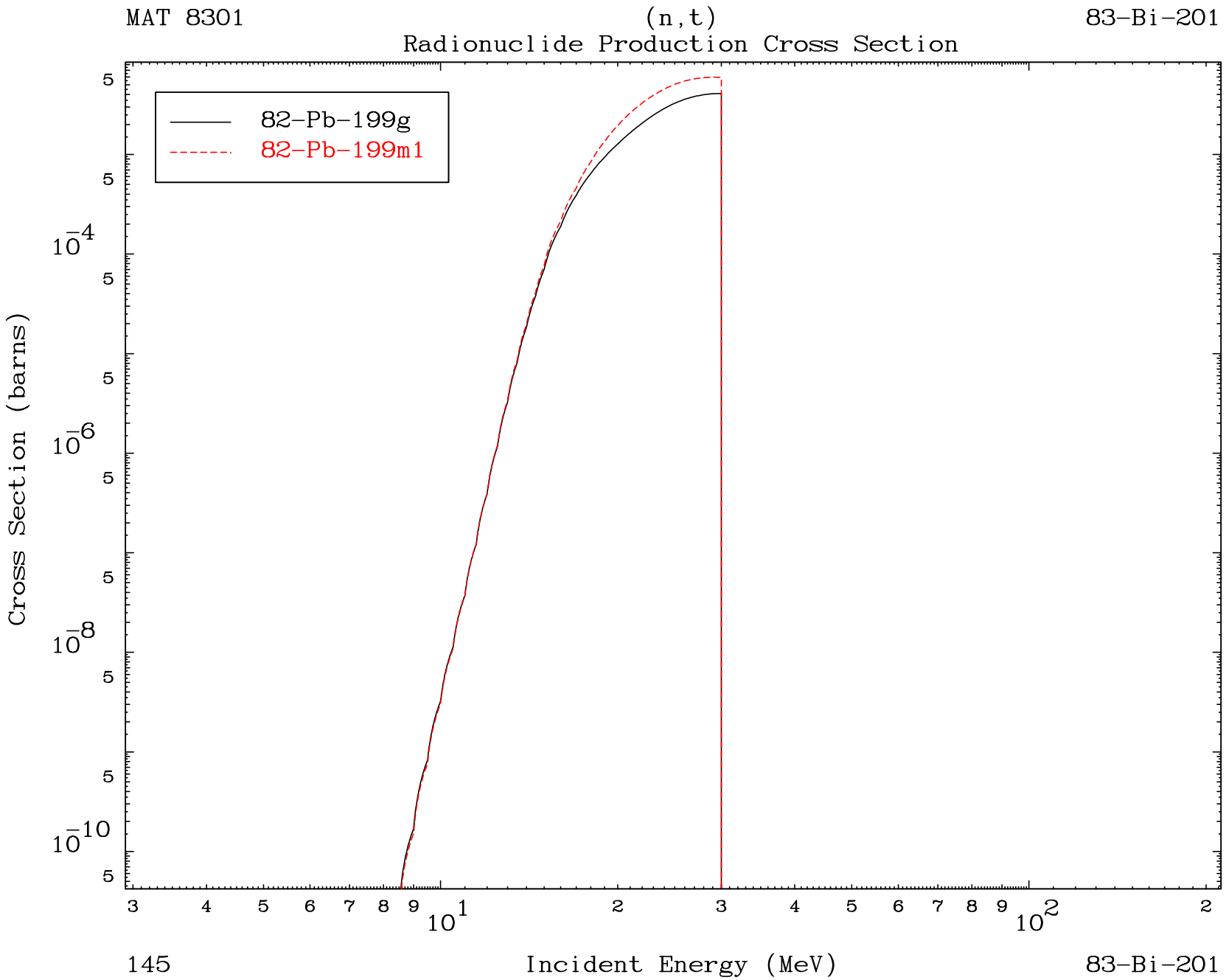

MAT 8301
(n,n') d
83-Bi-201
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
140
83-Bi-201

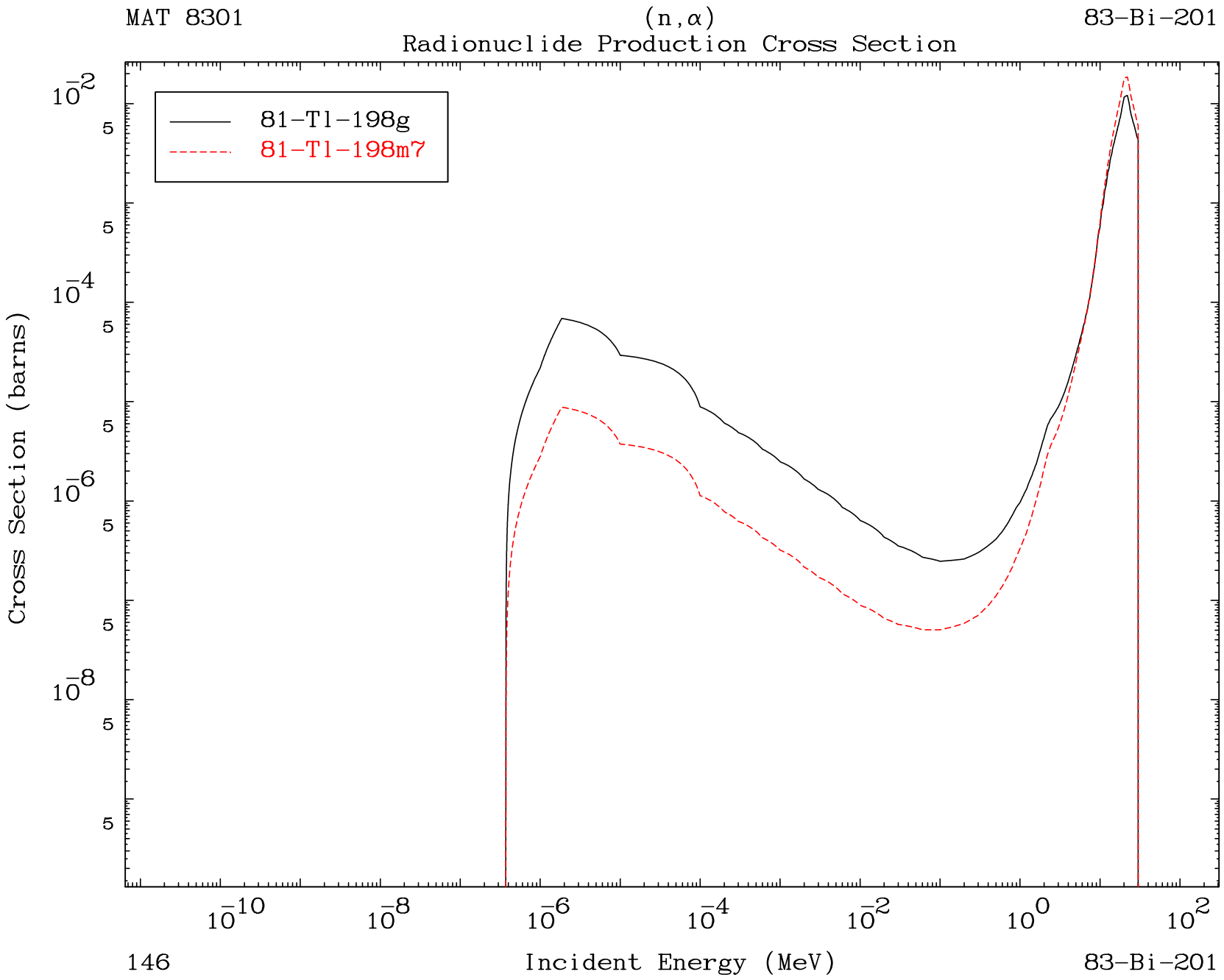

MAT 8301
(n,n') He-3
83-Bi-201
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
141
Incident Energy (MeV)
83-Bi-201

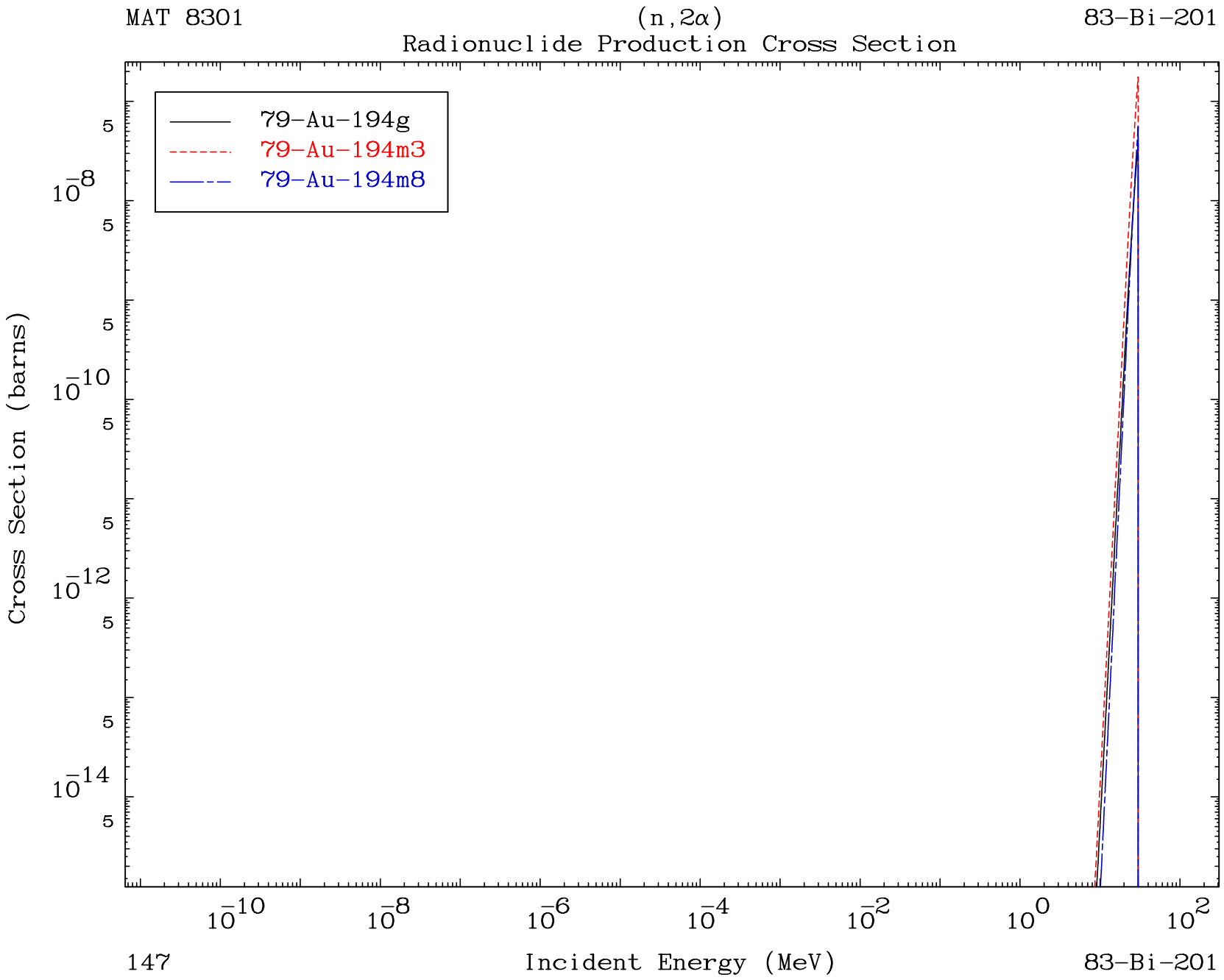

MAT 8301
(n,4n)
83-Bi-201
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
Incident Energy (MeV)
142
83-Bi-201

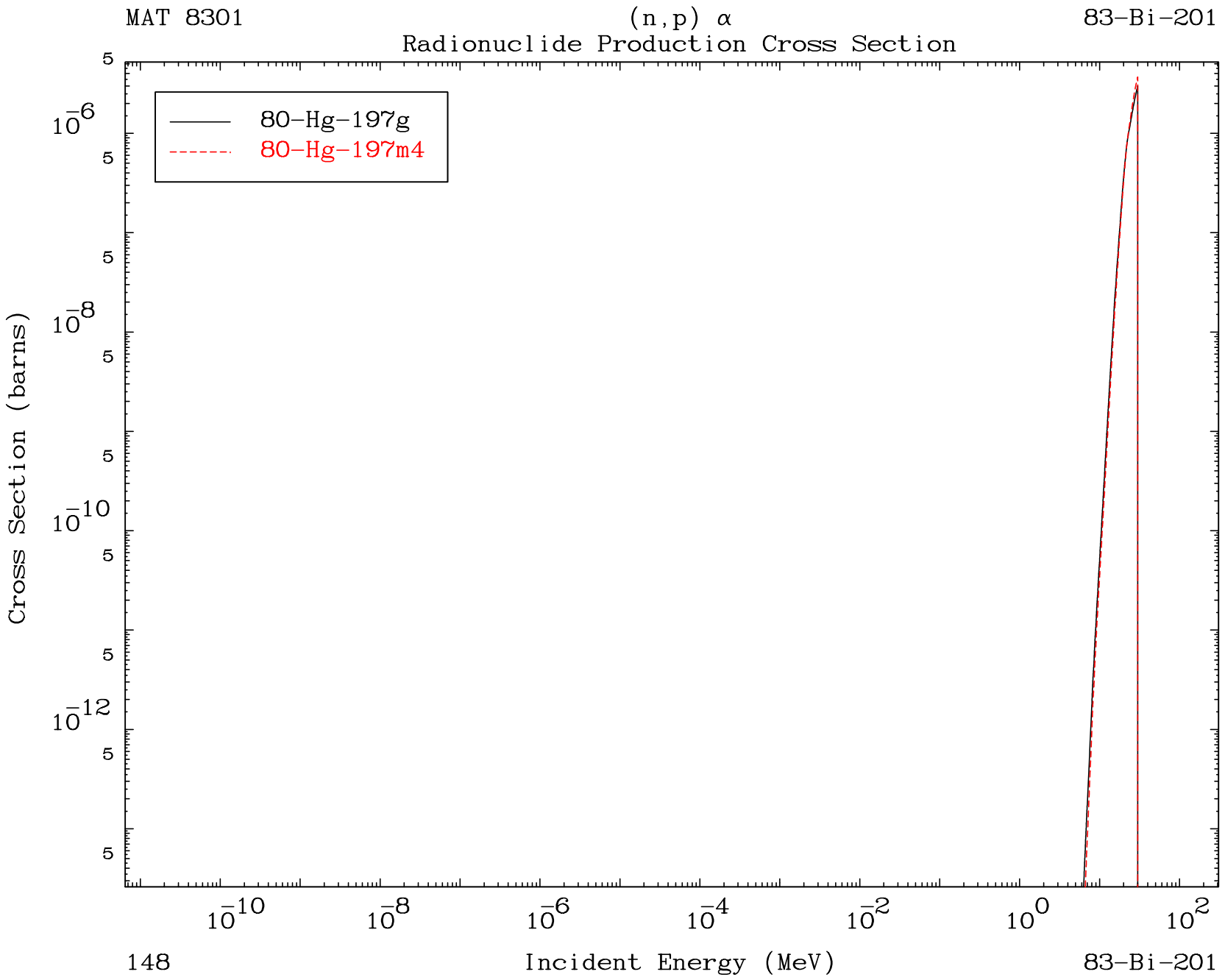

MAT 8301
(n,2n) p
83-Bi-201
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
143
83-Bi-201

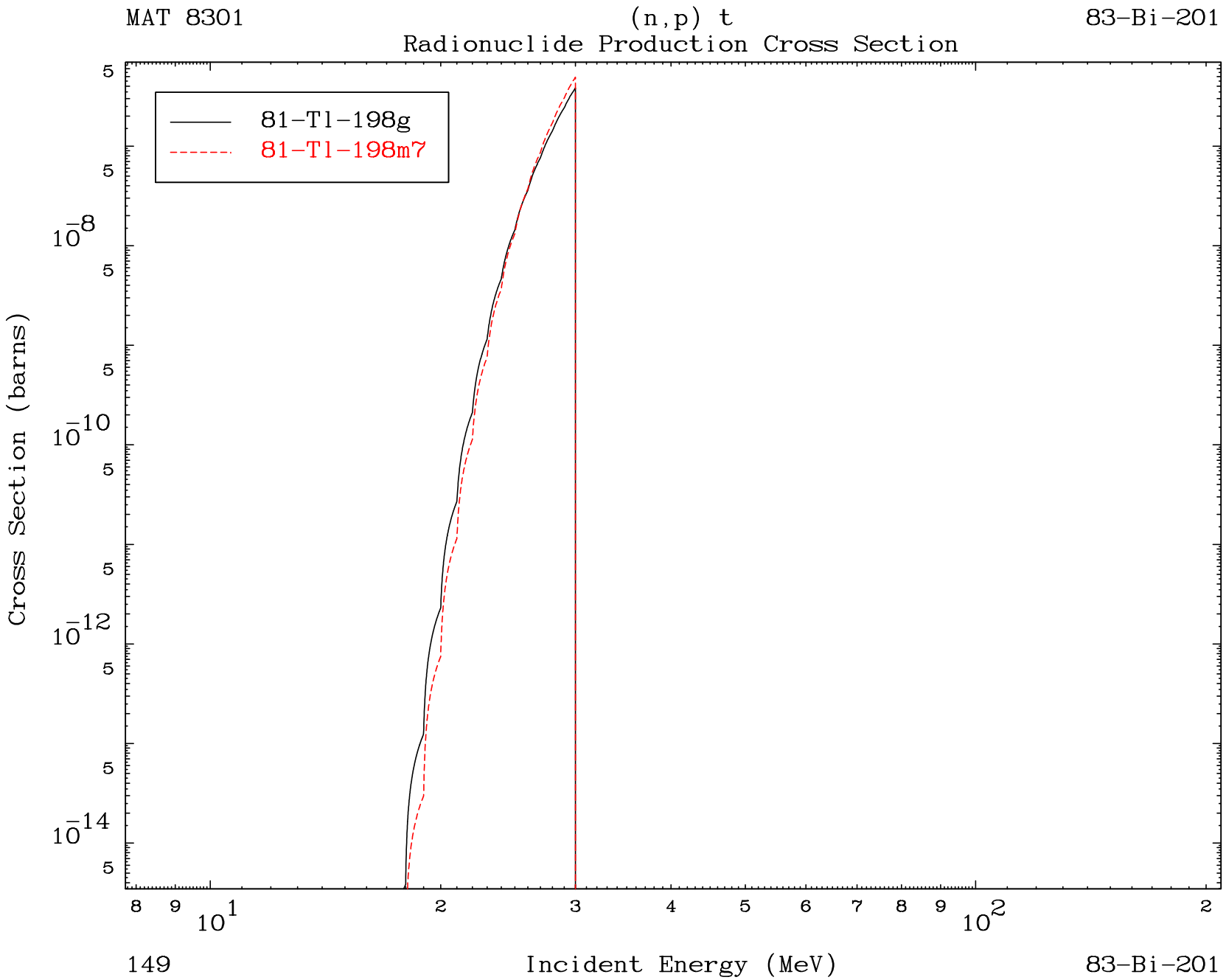

MAT 8301
(n,p)
83-Bi-201
Radionuclide Production Cross Section
82-Pb-201g
82-Pb-201m4
Cross Section (barns)
Incident Energy (MeV)
144
83-Bi-201


MAT 8301
(n,t)
83-Bi-201
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
Incident Energy (MeV)
145
83-Bi-201


MAT 8301
(n,α)
83-Bi-201
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
146
Incident Energy (MeV)
83-Bi-201


MAT 8301
(n,2α)
83-Bi-201
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
147
Incident Energy (MeV)
83-Bi-201


MAT 8301
(n,p) α
83-Bi-201
Radionuclide Production Cross Section
80-Hg-197g
80-Hg-197m4
Cross Section (barns)
Incident Energy (MeV)
148
83-Bi-201


MAT 8301
(n,p) t
83-Bi-201
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
Incident Energy (MeV)
149
83-Bi-201