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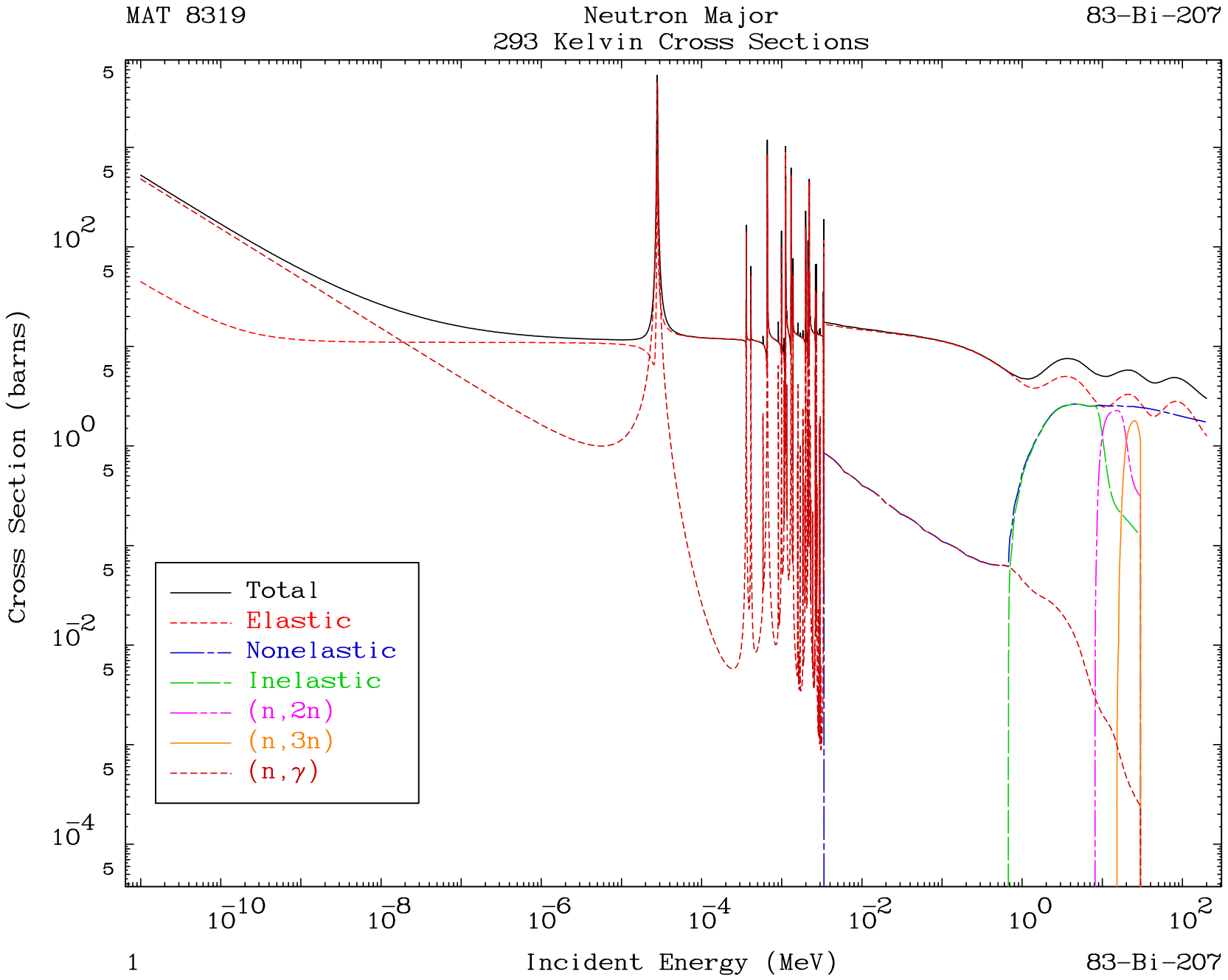
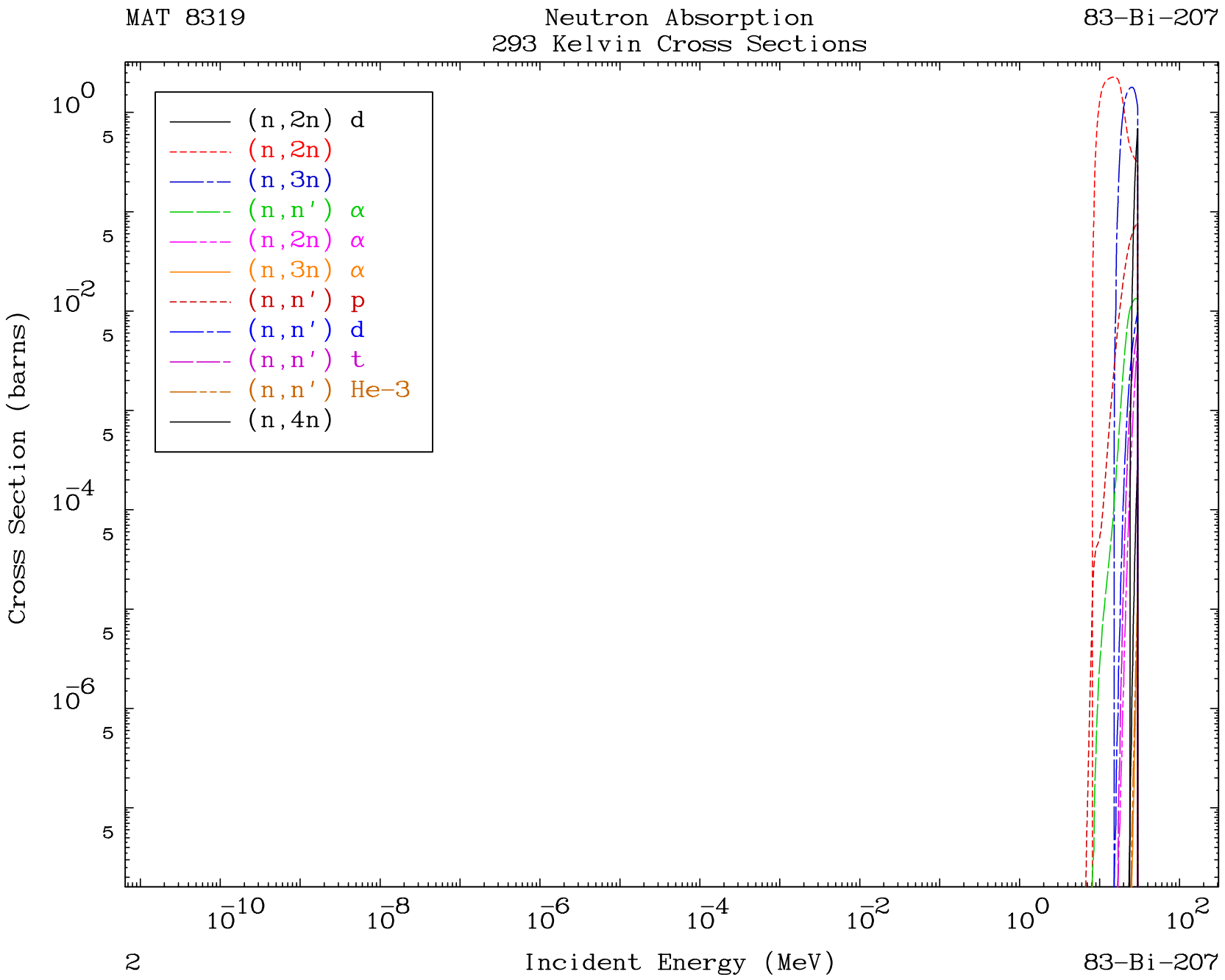
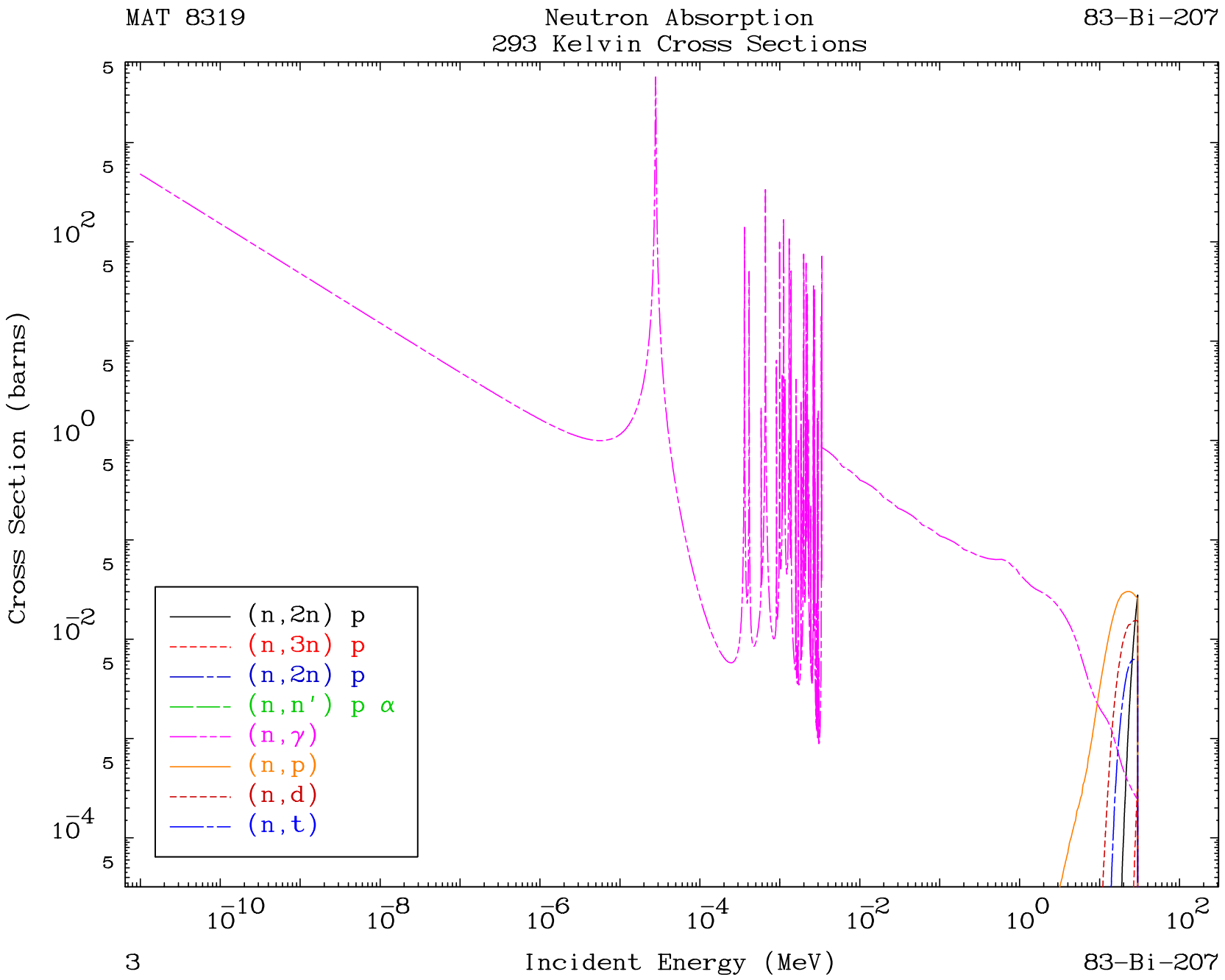
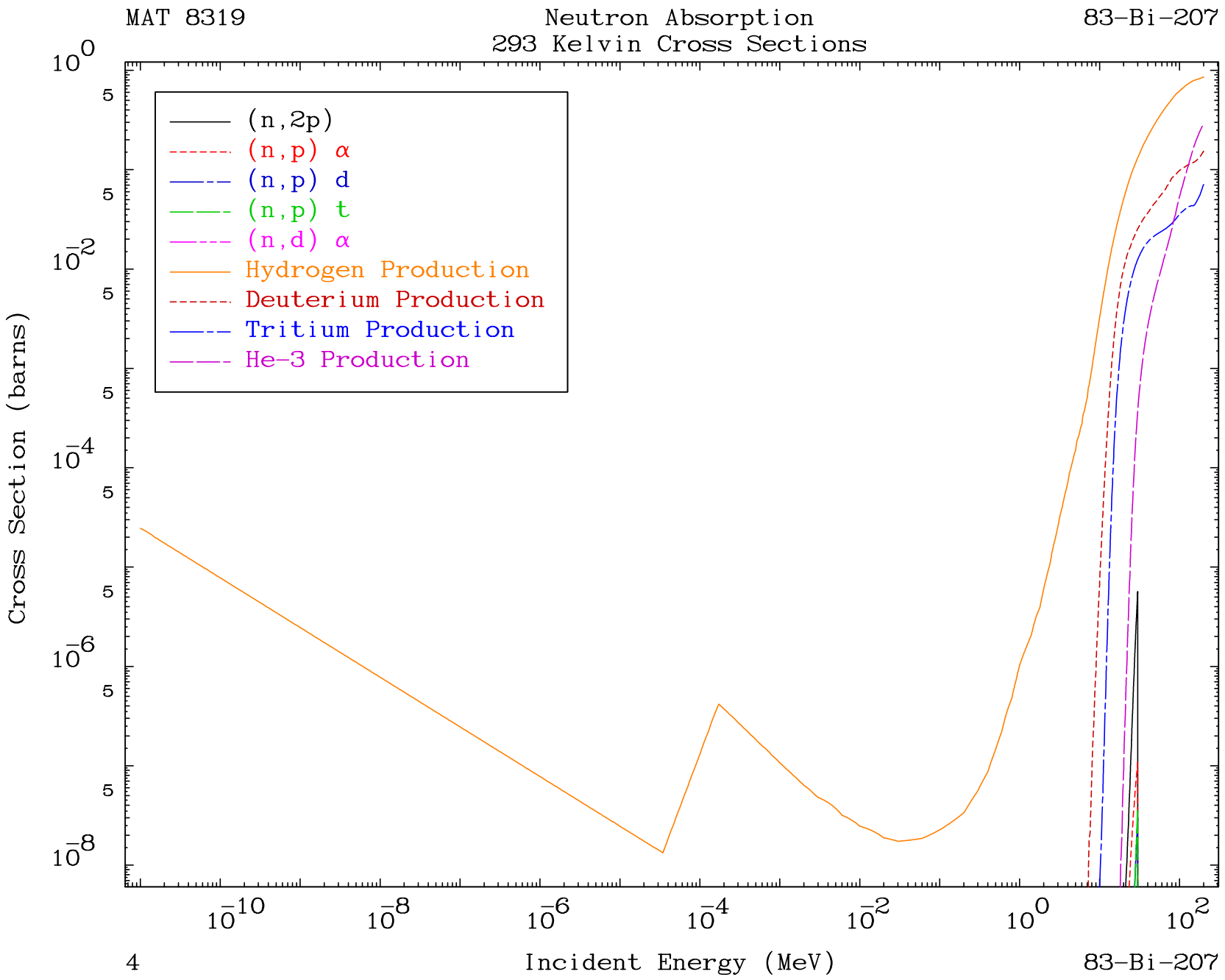
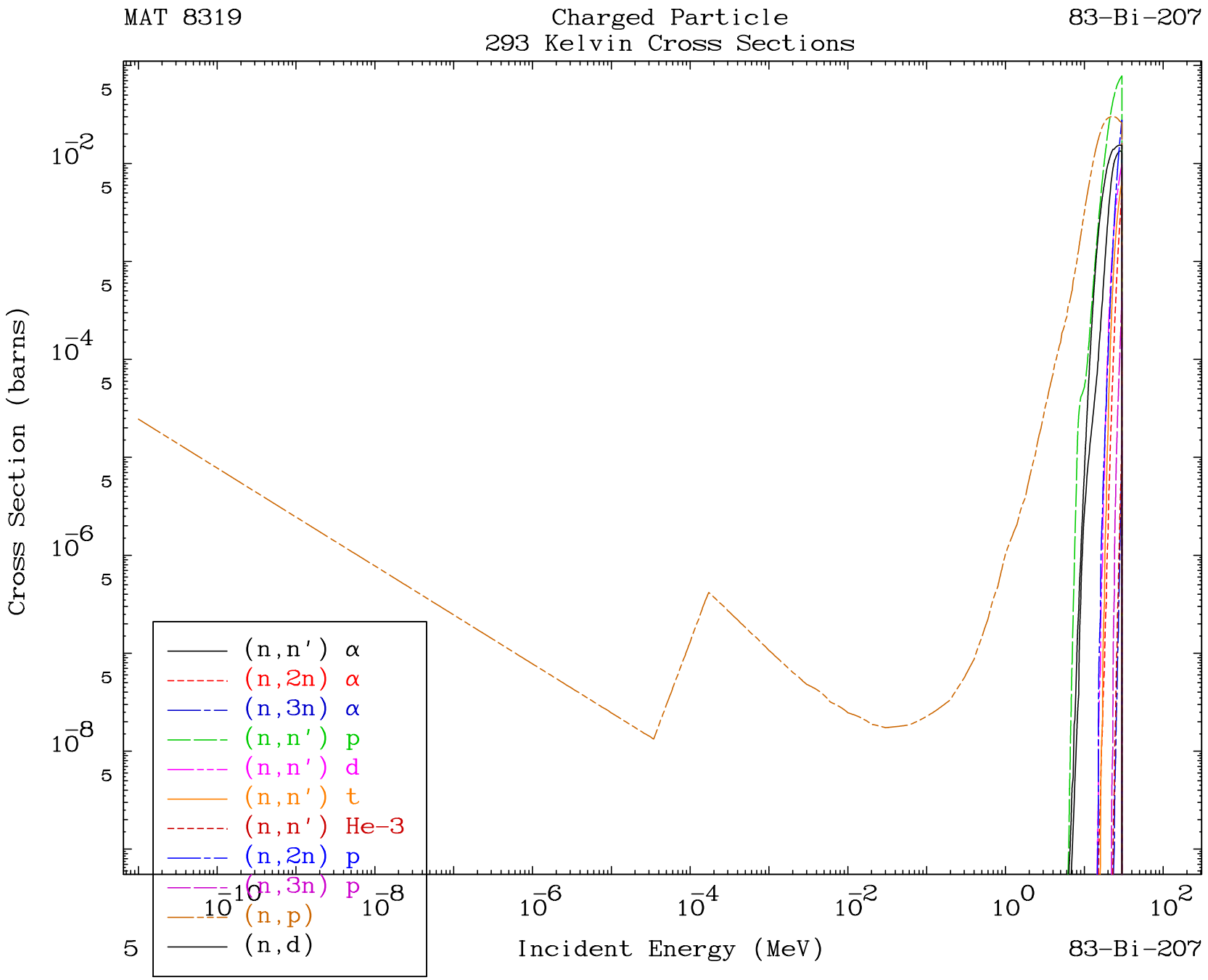
Press Mouse Button to Start

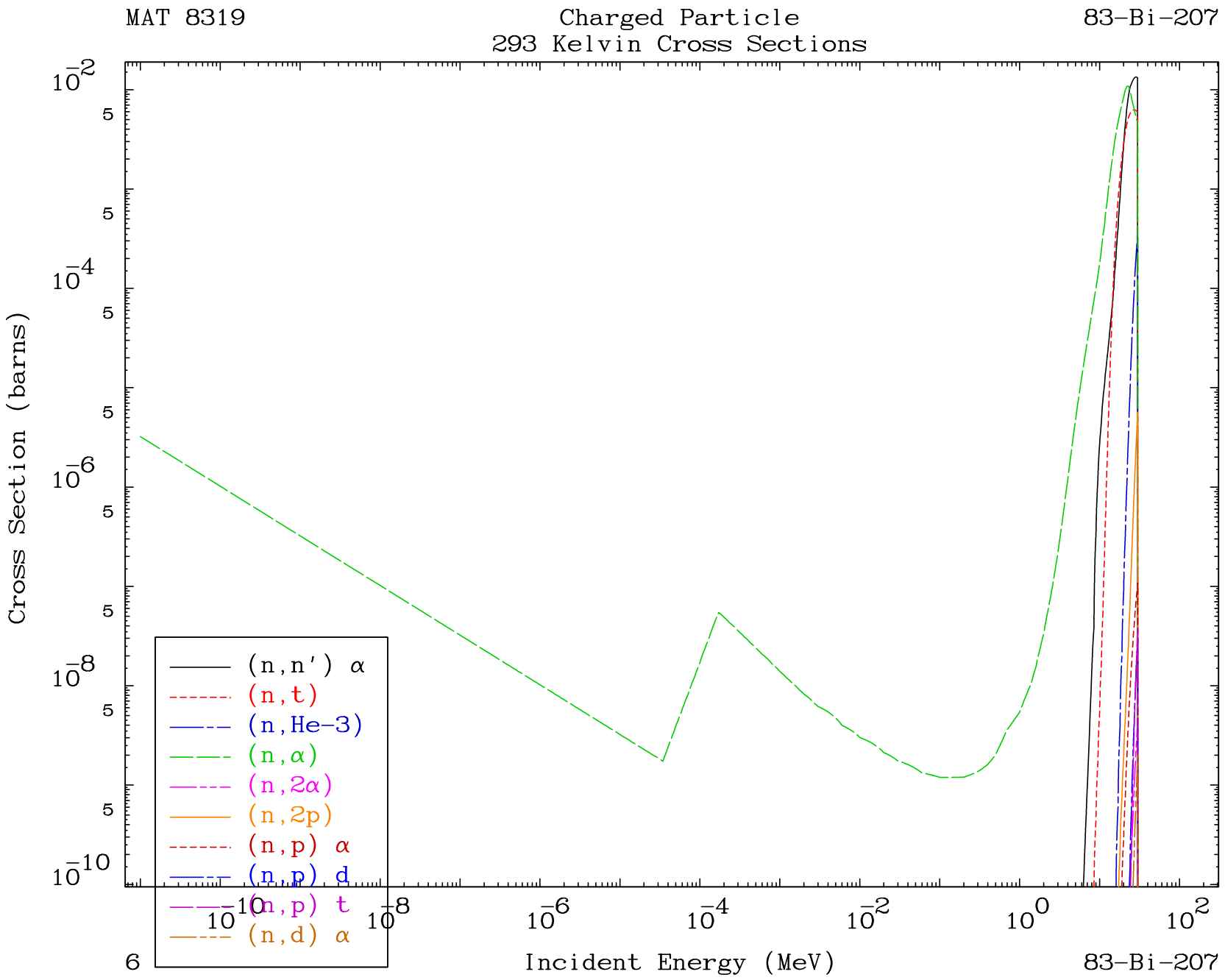

MAT 8319
Neutron Major
293 Kelvin Cross Sections
83-Bi-207
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
83-Bi-207

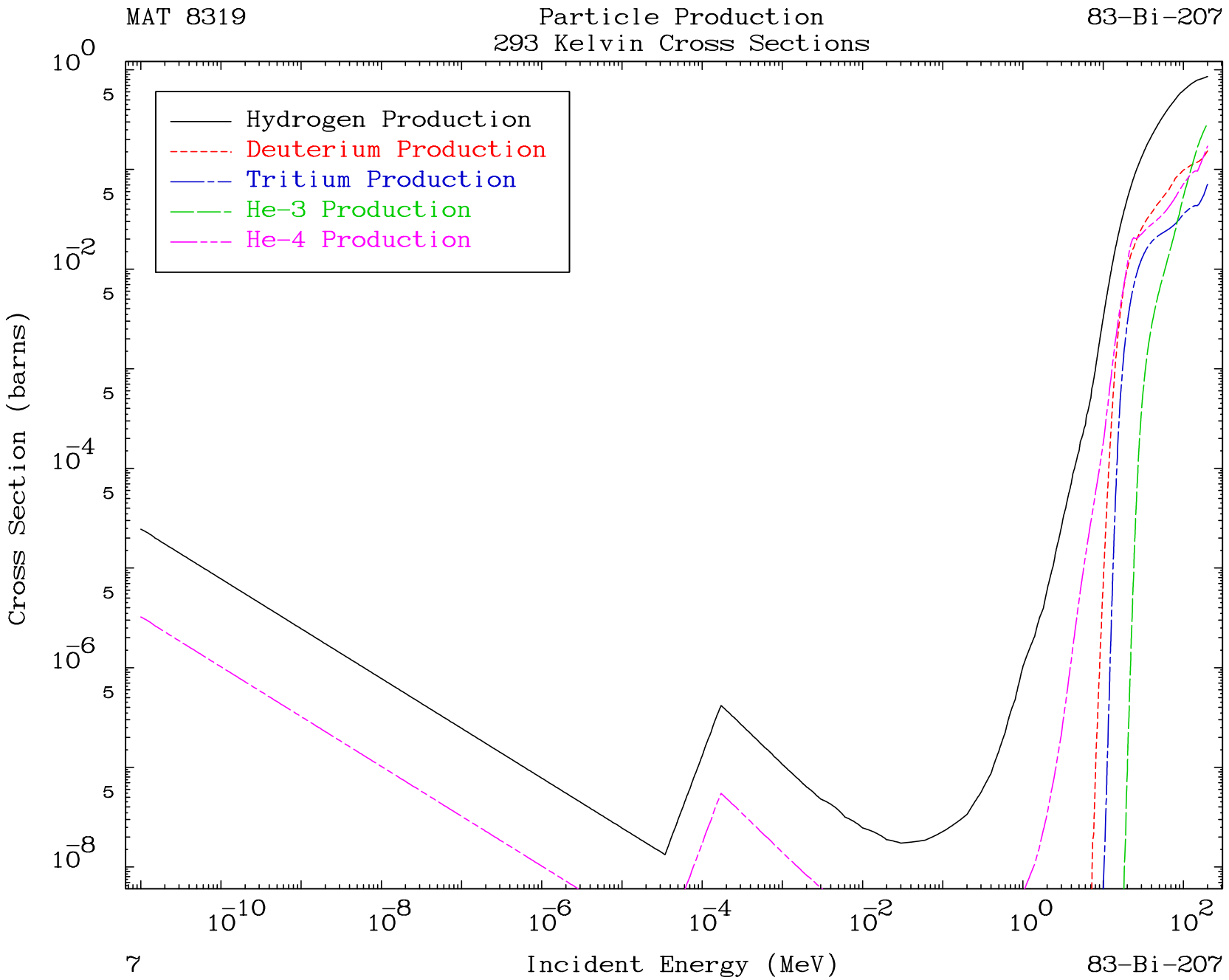

MAT 8319
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-207
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
Cross Section (barns)
Incident Energy (MeV)
2
83-Bi-207

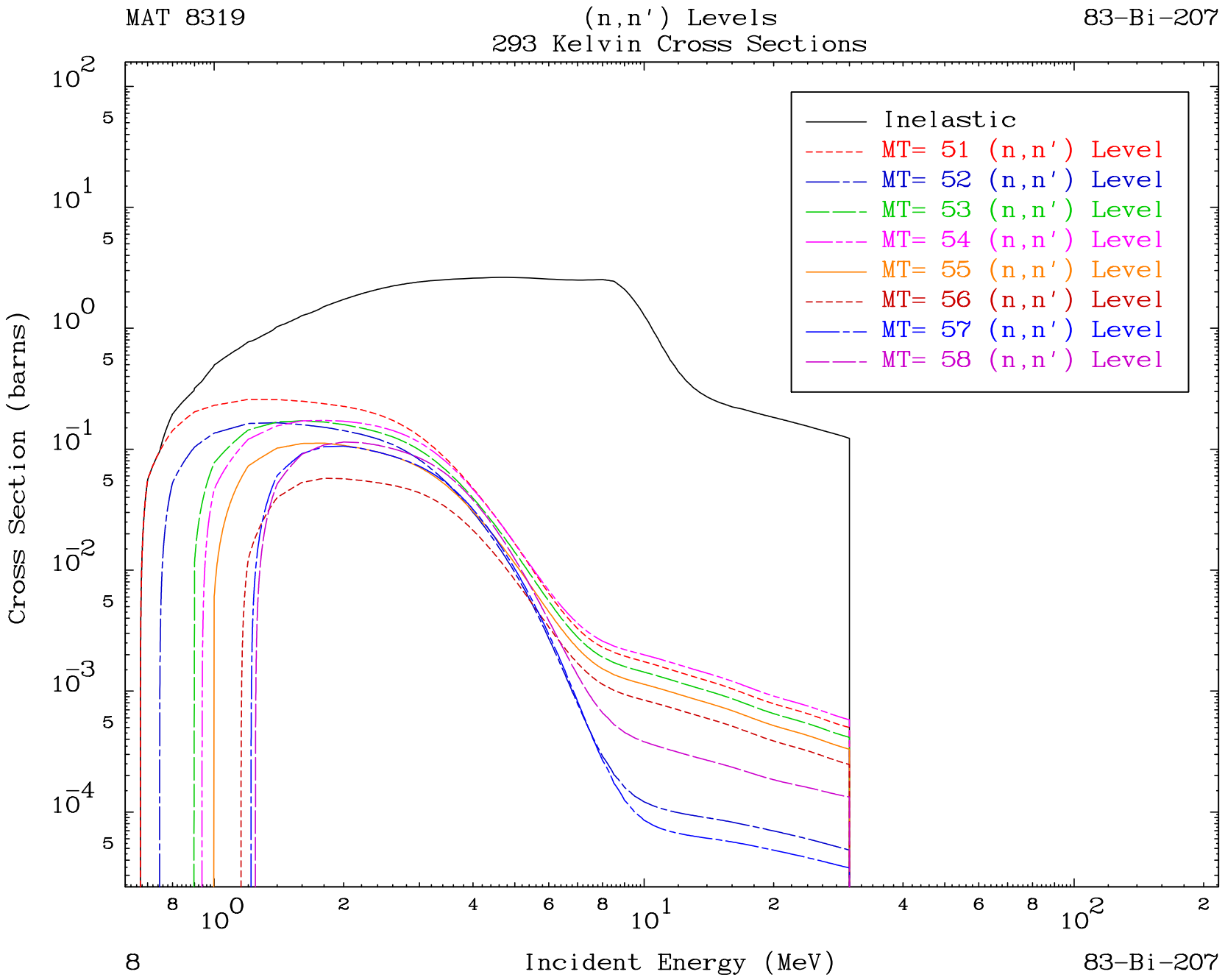

MAT 8319
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-207
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
3
83-Bi-207

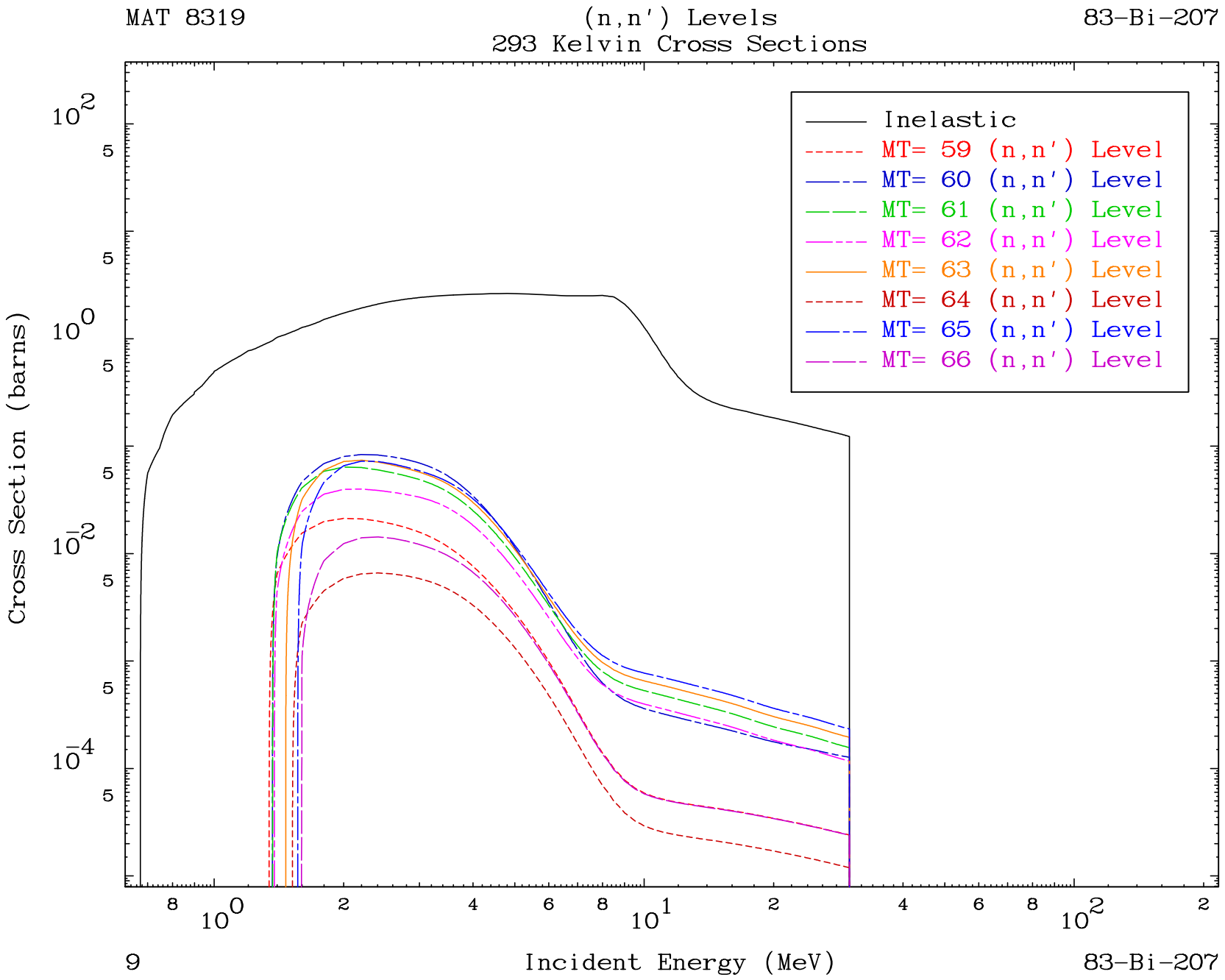

MAT 8319
Neutron Absorption
293 Kelvin Cross Sections
83-Bi-207
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-207

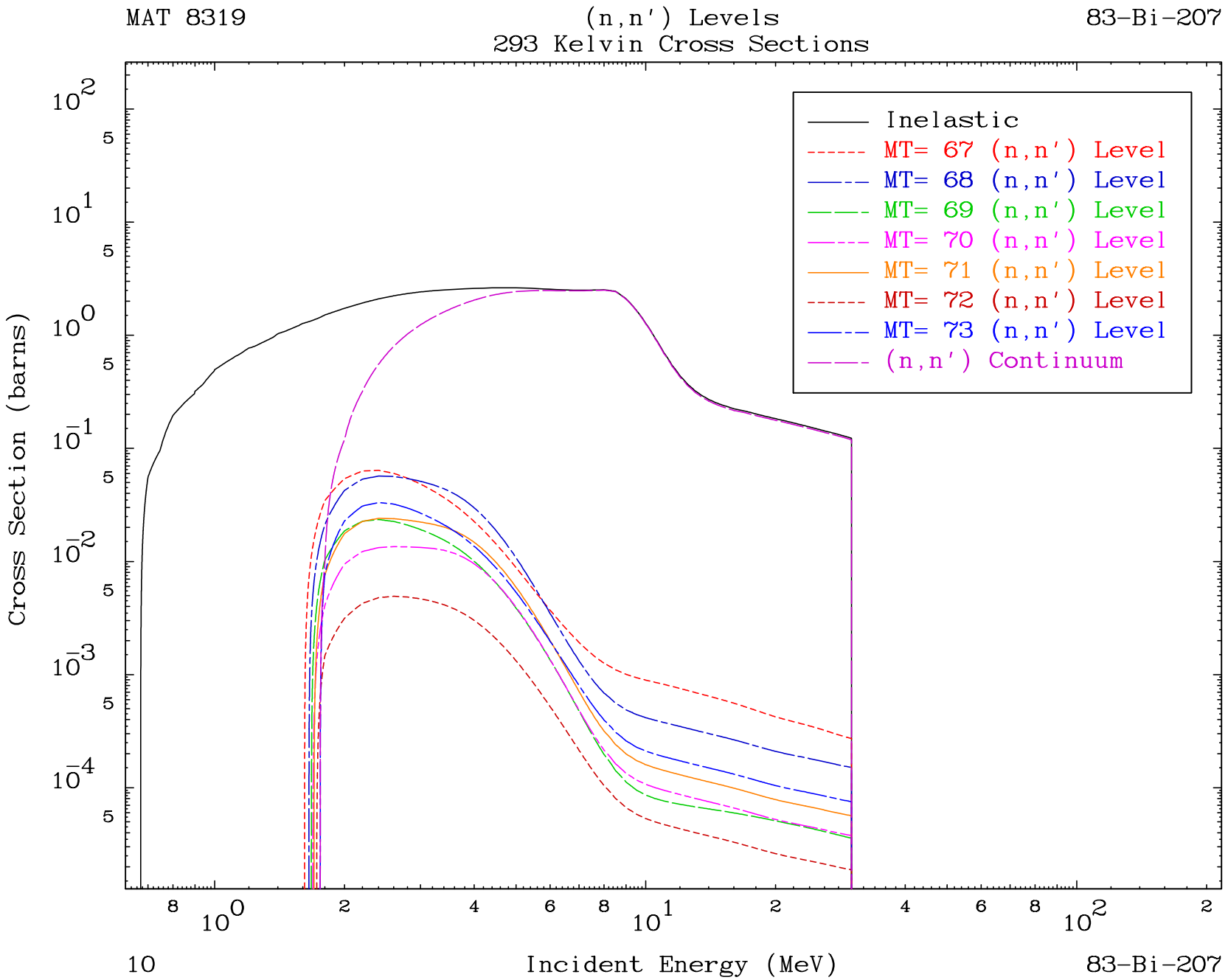

MAT 8319
Charged Particle
293 Kelvin Cross Sections
83-Bi-207
Cross Section (barns)
Incident Energy (MeV)
83-Bi-207
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)

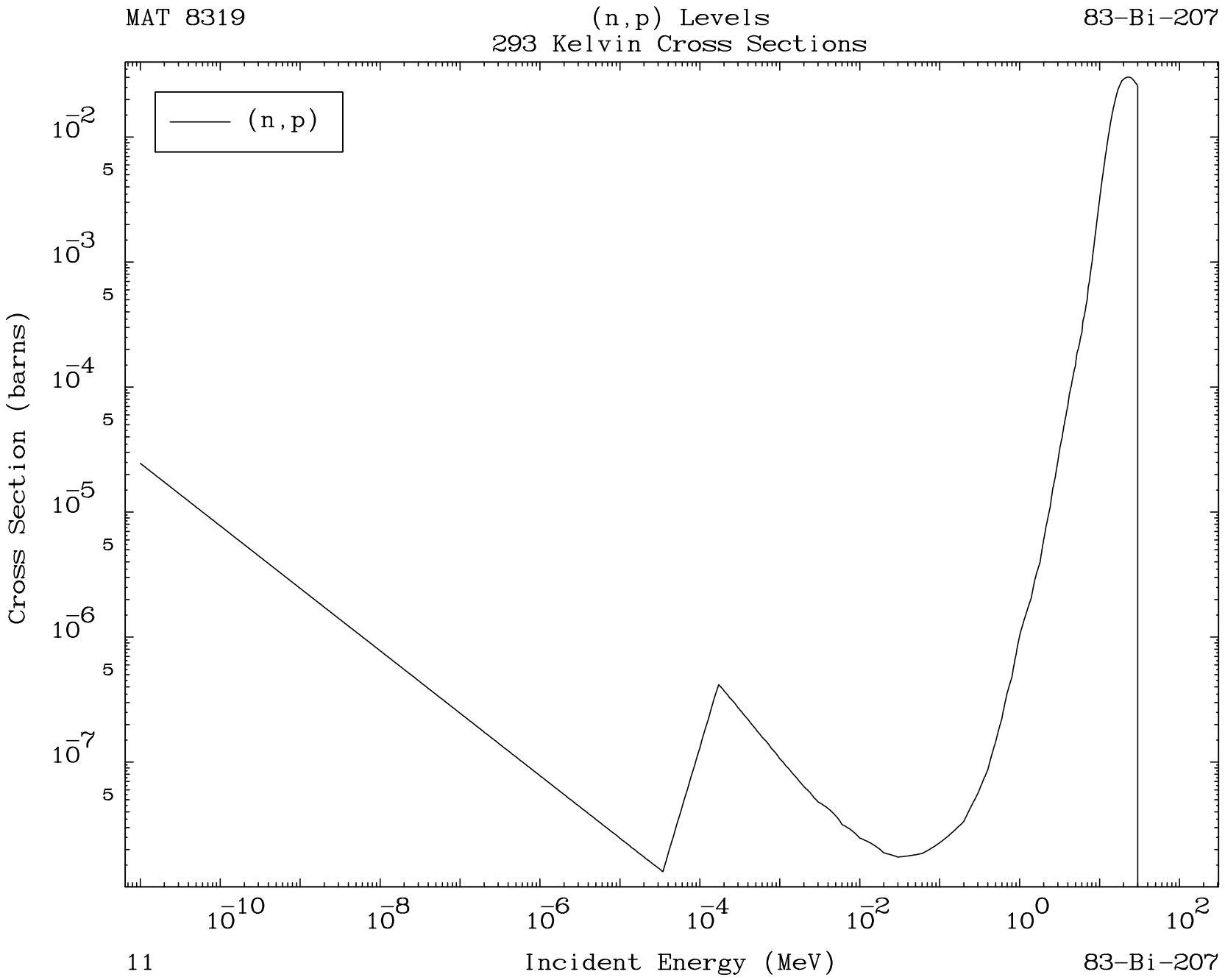

MAT 8319
Charged Particle
293 Kelvin Cross Sections
83-Bi-207
Cross Section (barns)
Incident Energy (MeV)
83-Bi-207
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α

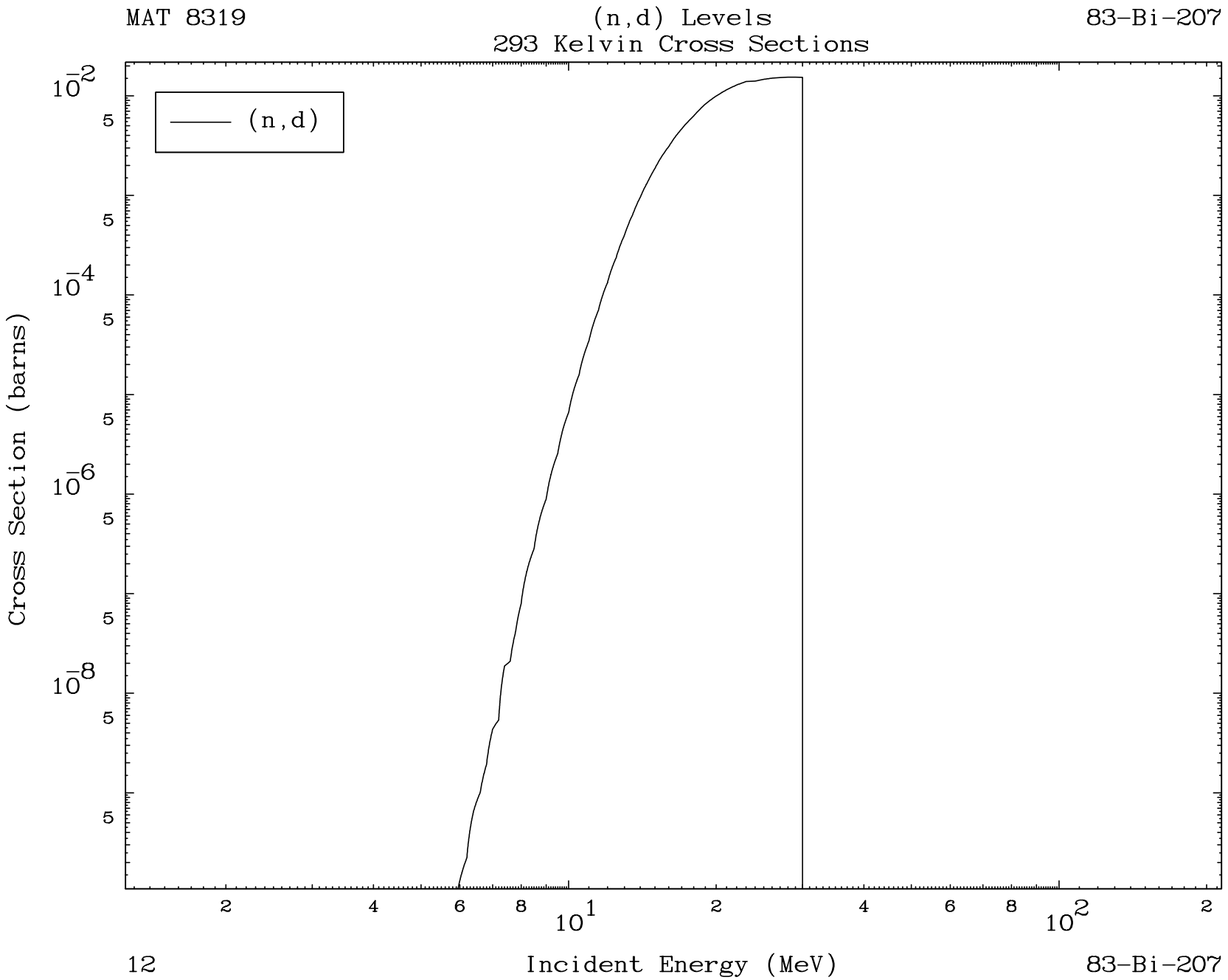

MAT 8319
Particle Production
293 Kelvin Cross Sections
83-Bi-207
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-207

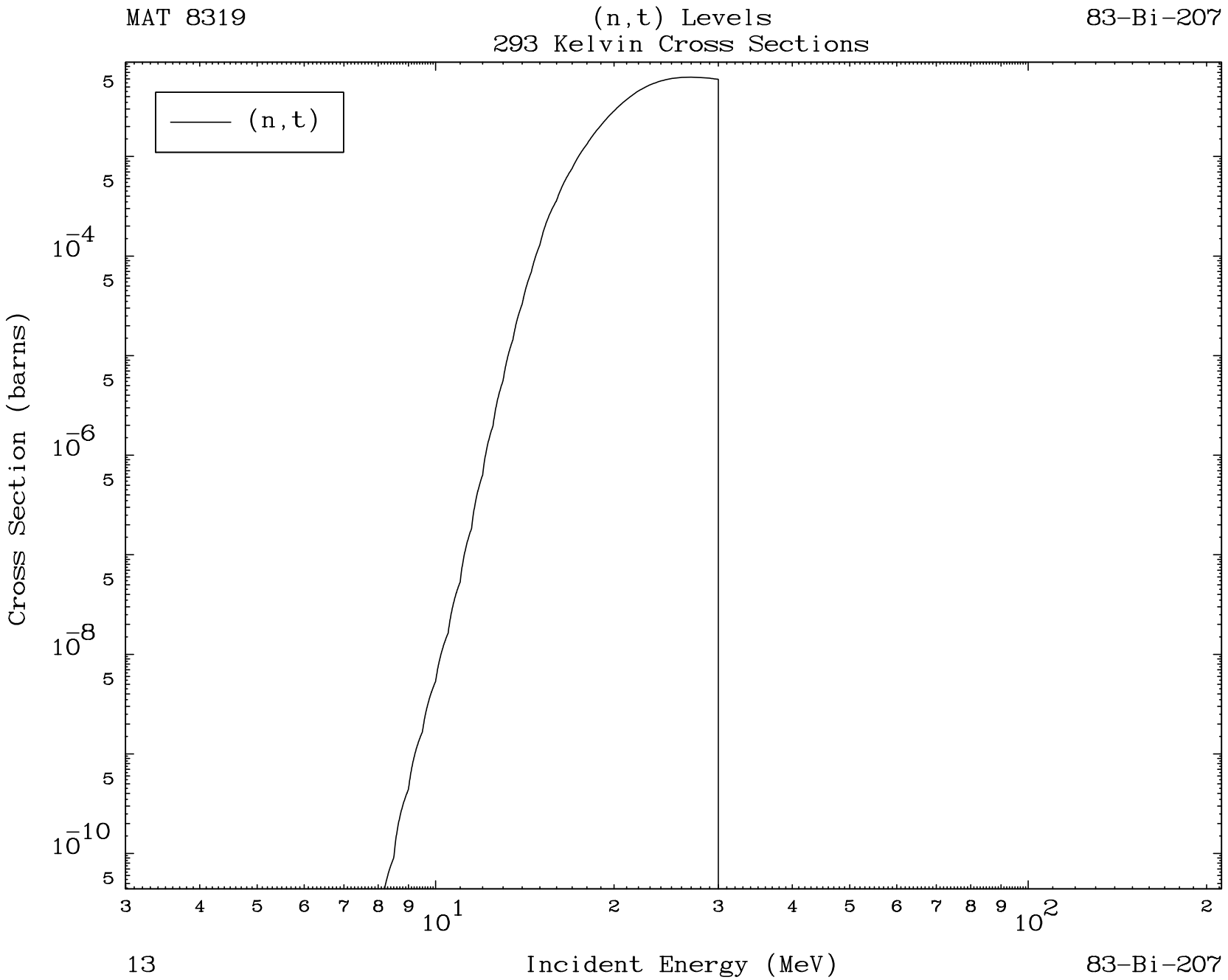

MAT 8319
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-207
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
83-Bi-207
8

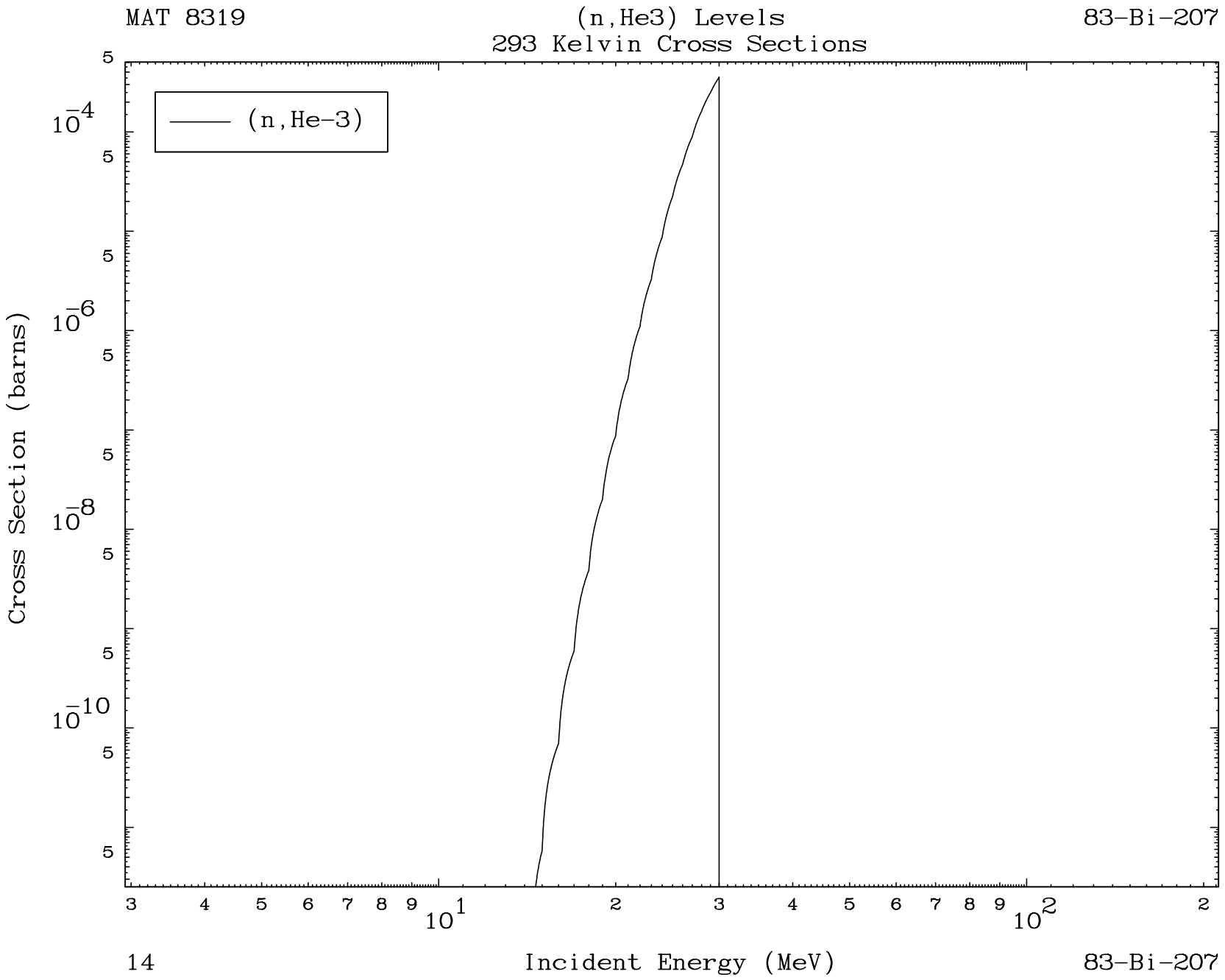

MAT 8319
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-207
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-207

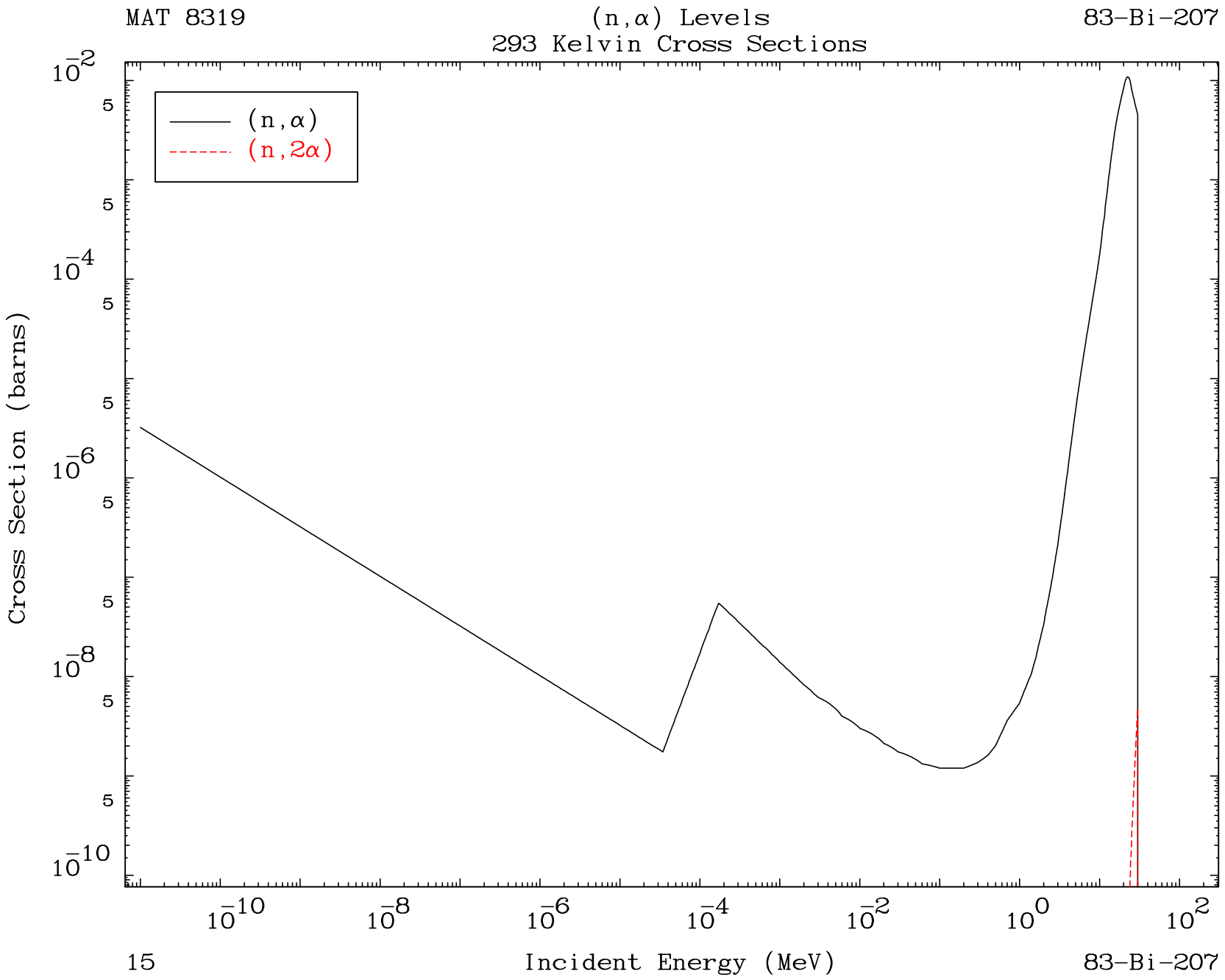

MAT 8319
(n,n') Levels
293 Kelvin Cross Sections
83-Bi-207
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
83-Bi-207

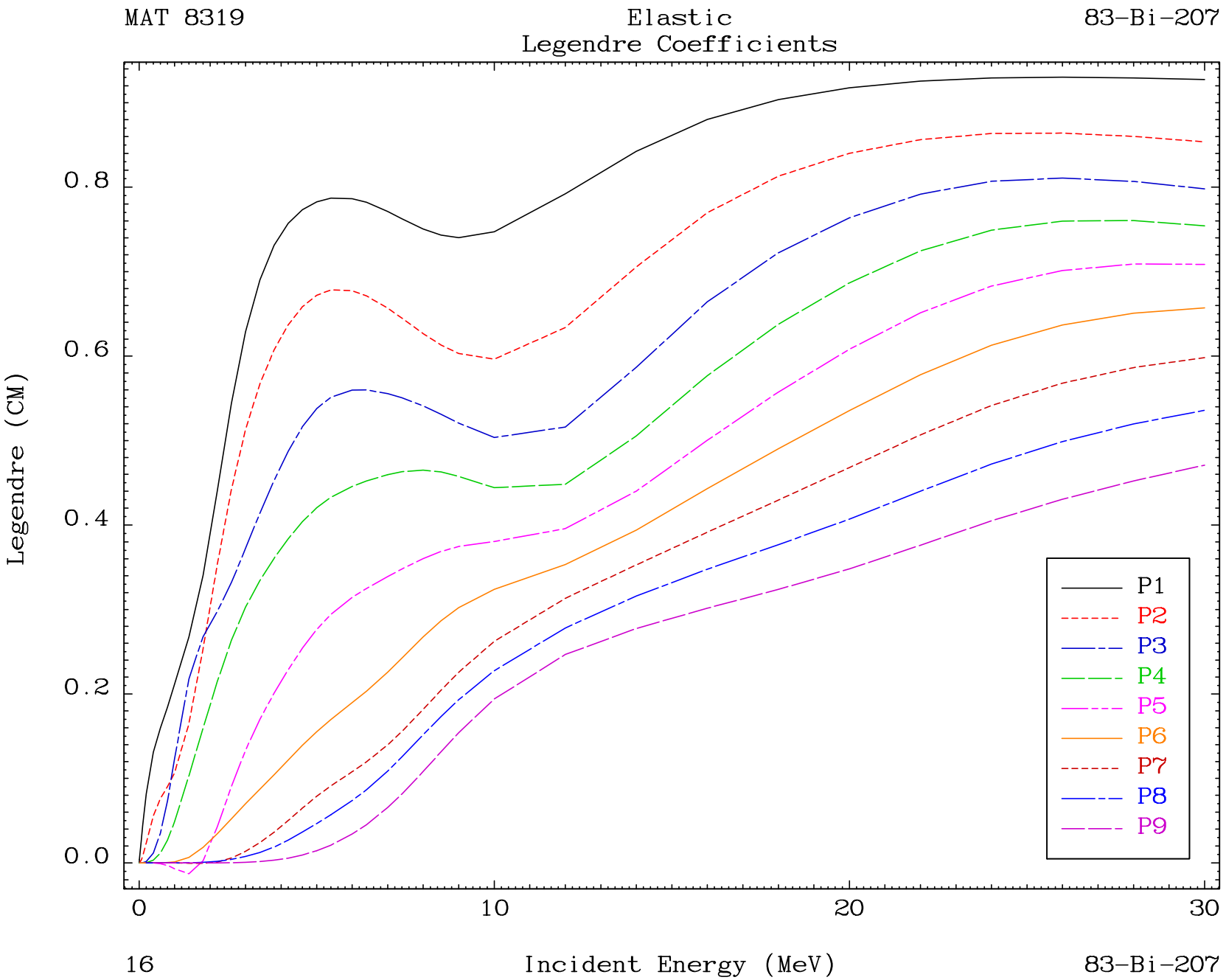

MAT 8319
(n,p) Levels
83-Bi-207
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-207

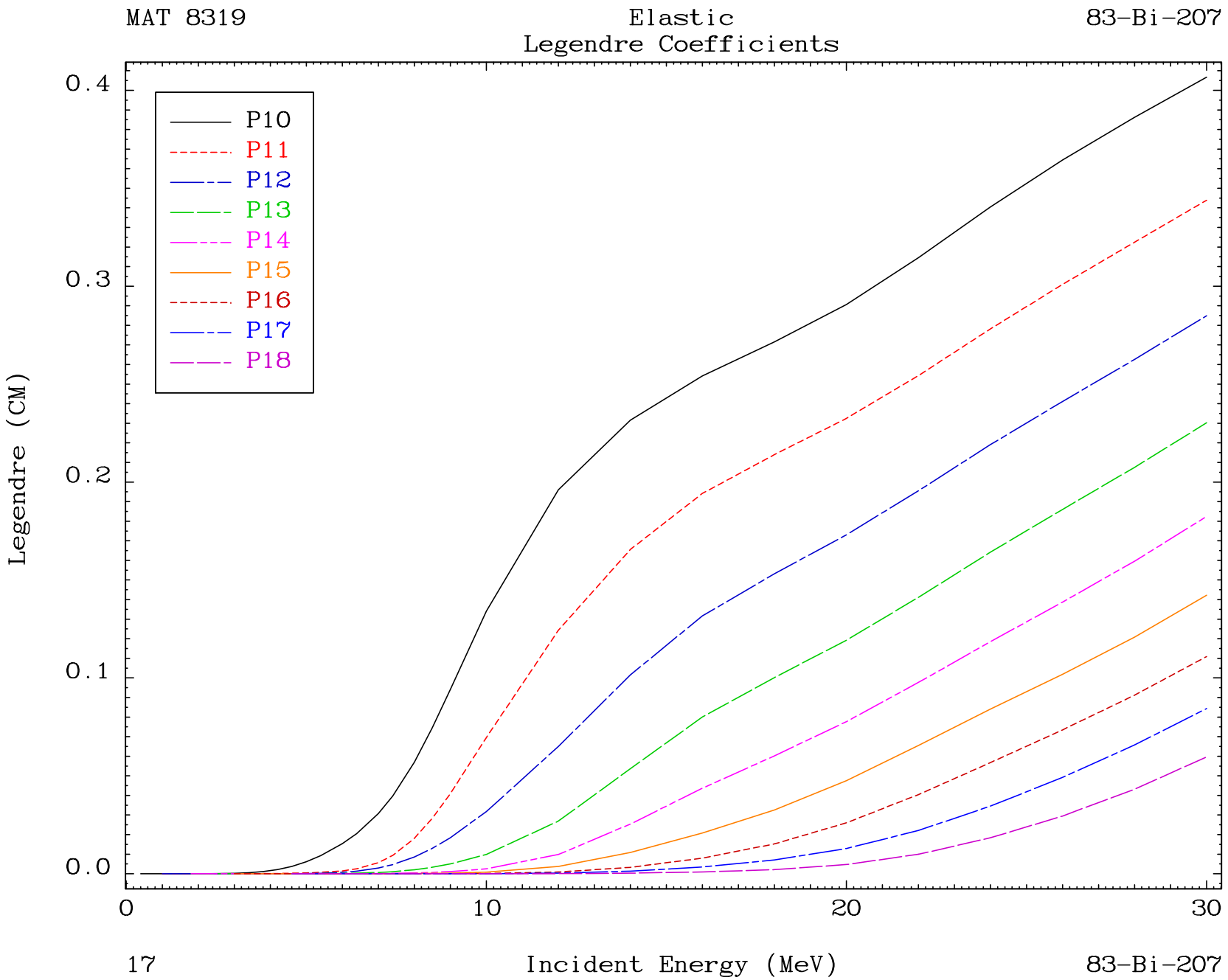

MAT 8319
(n,d) Levels
83-Bi-207
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-207

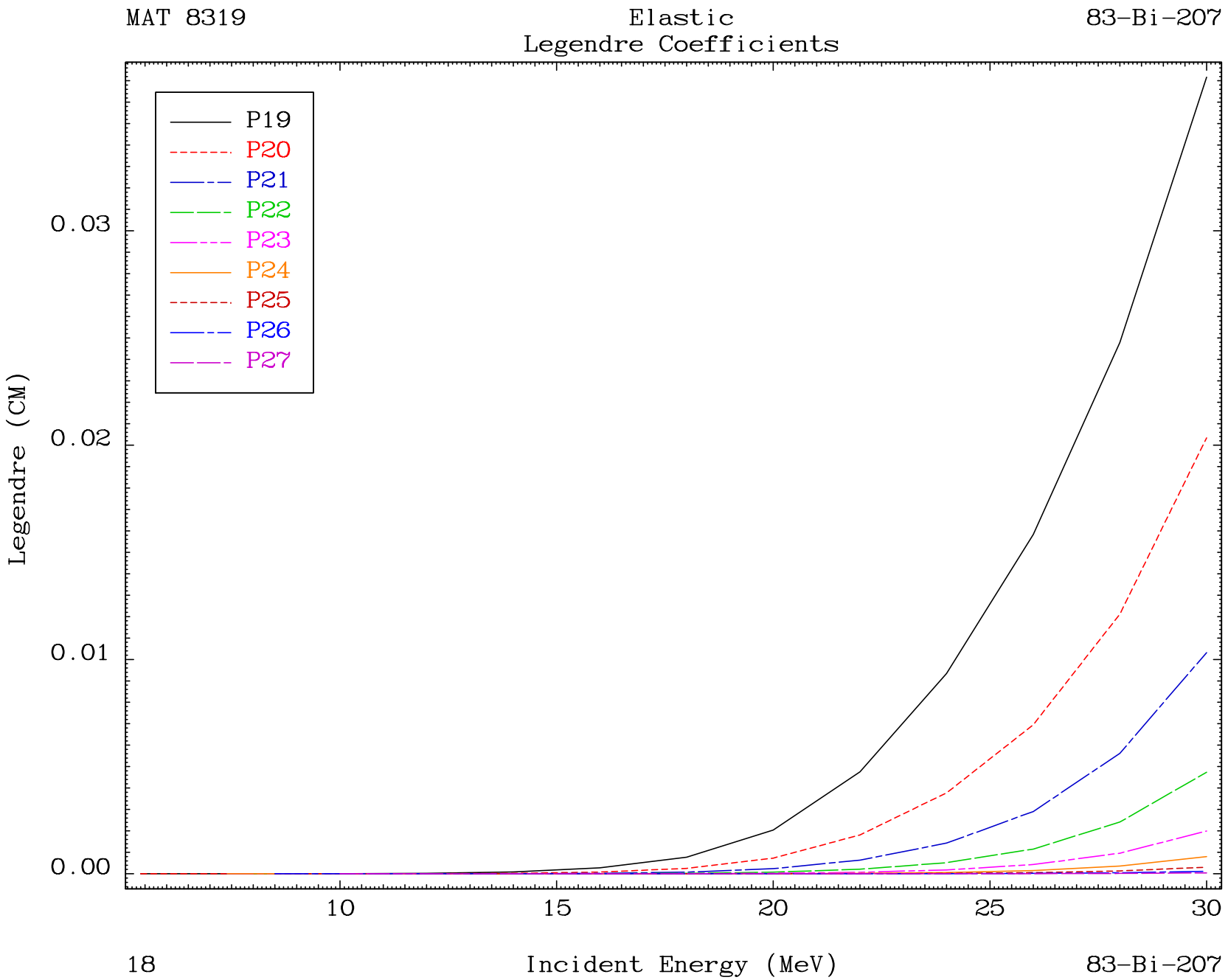

MAT 8319
(n,t) Levels
83-Bi-207
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-207

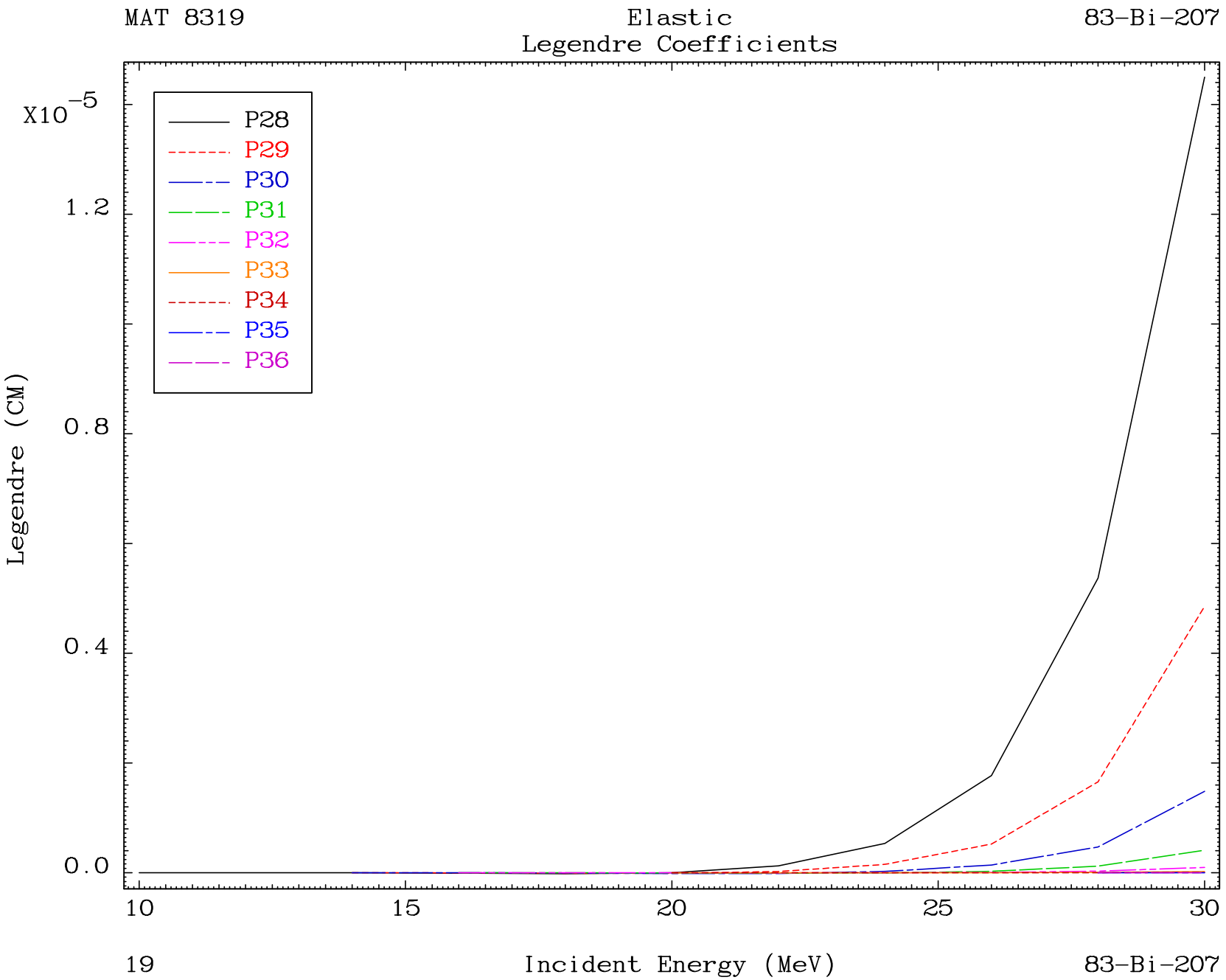

MAT 8319
(n,He3) Levels
83-Bi-207
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
83-Bi-207

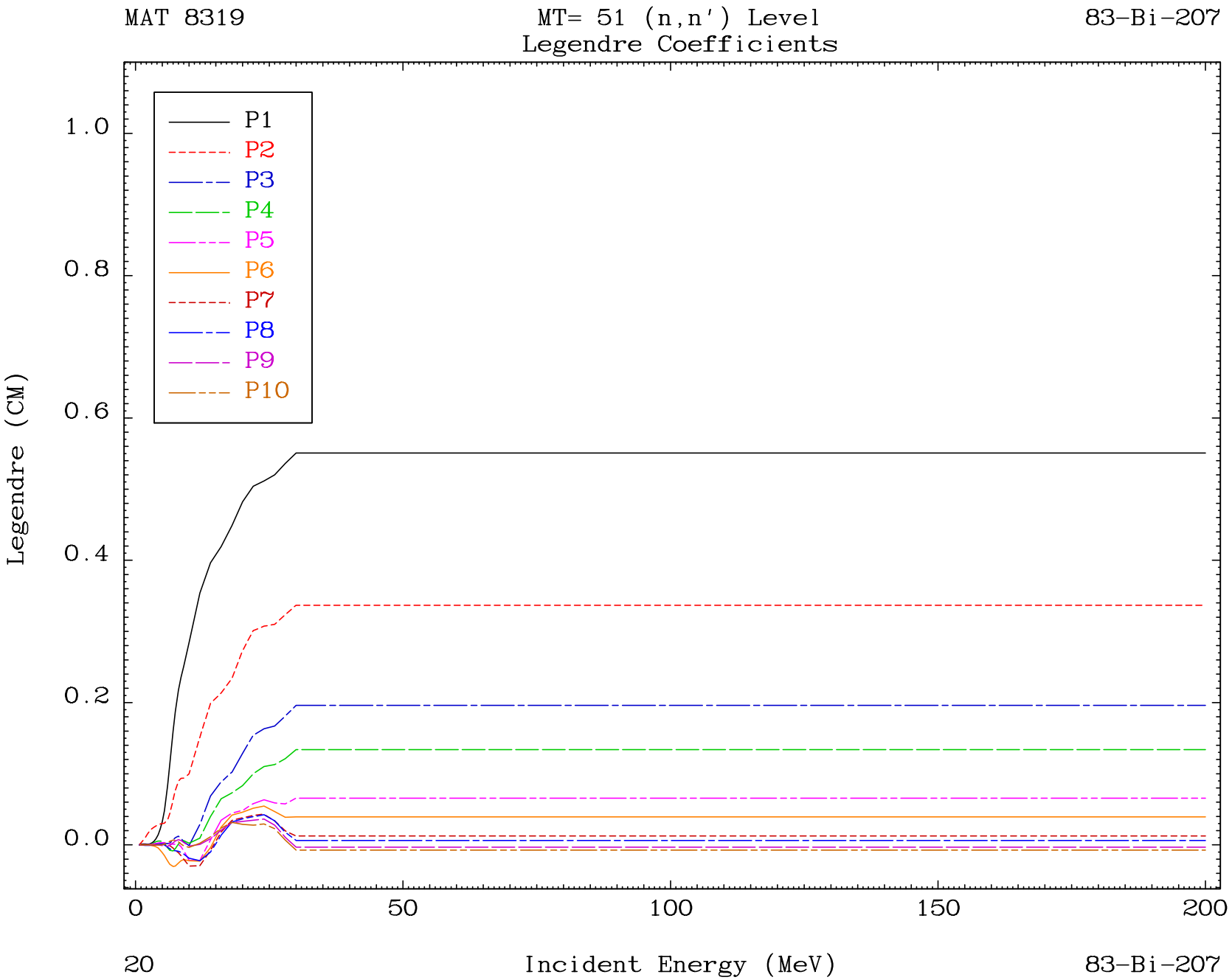

MAT 8319
(n,α) Levels
293 Kelvin Cross Sections
83-Bi-207
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
15
83-Bi-207

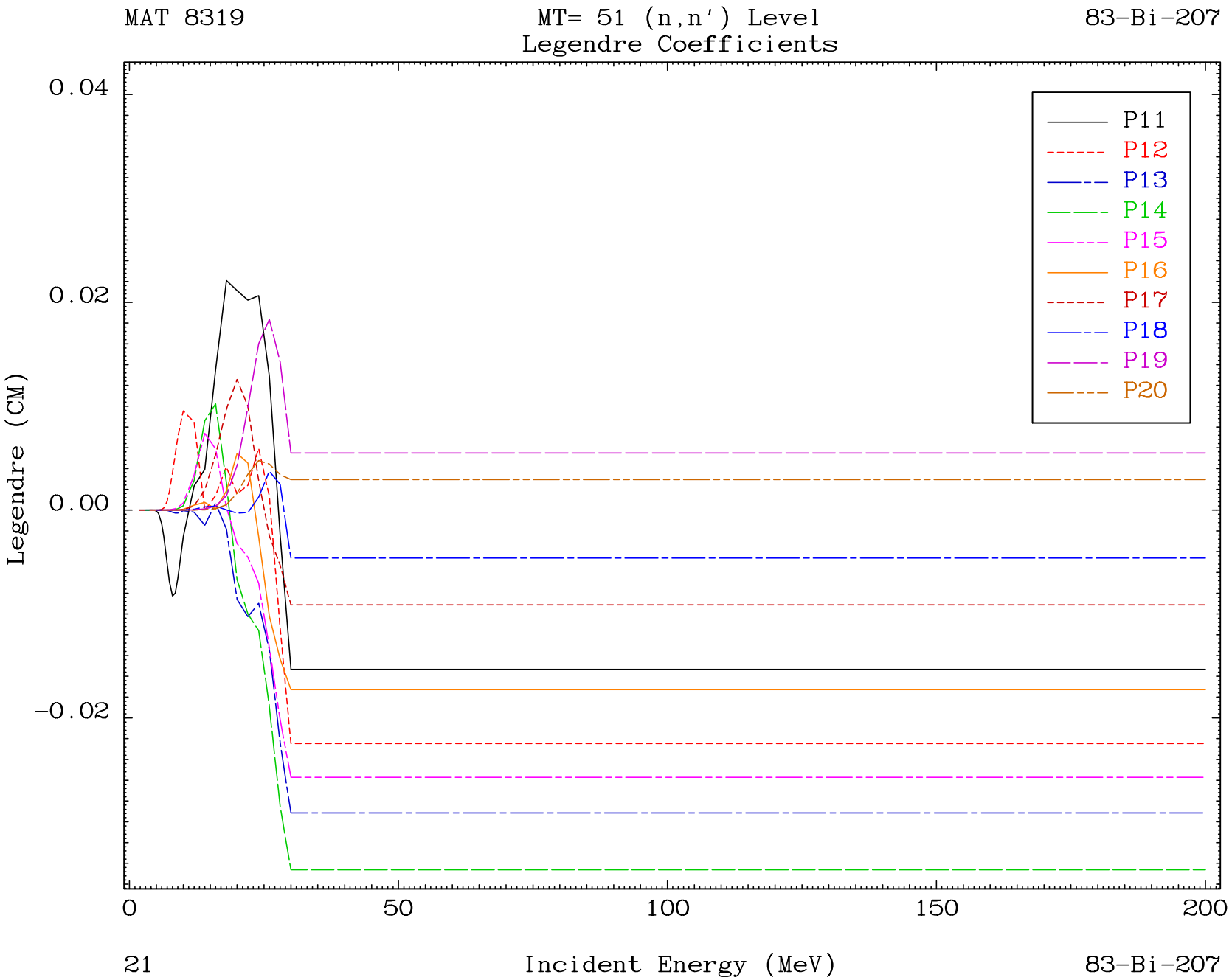

MAT 8319
Elastic
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9

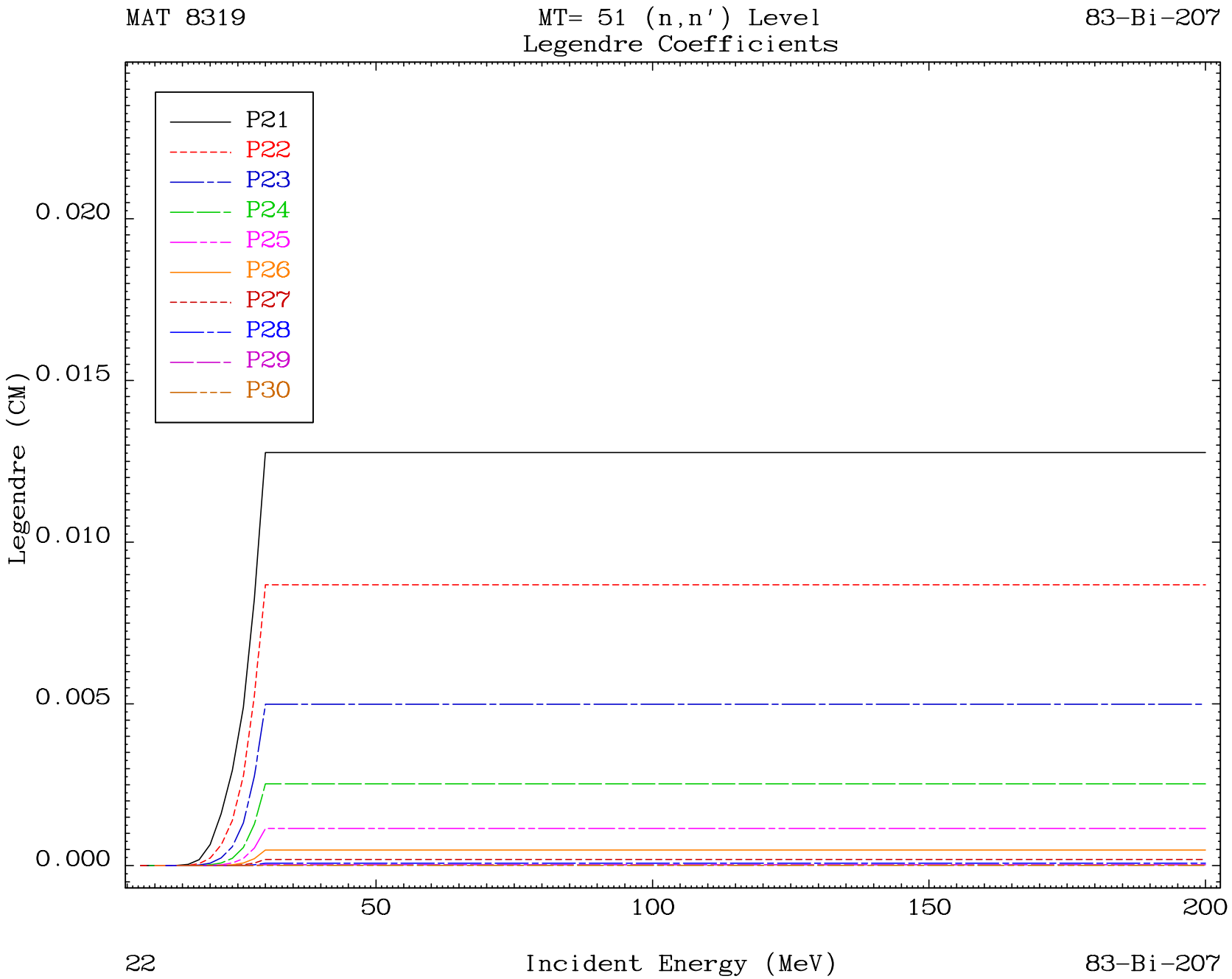

MAT 8319
Elastic
Legendre Coefficients
83-Bi-207
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
10
20
30
17
Incident Energy (MeV)
83-Bi-207

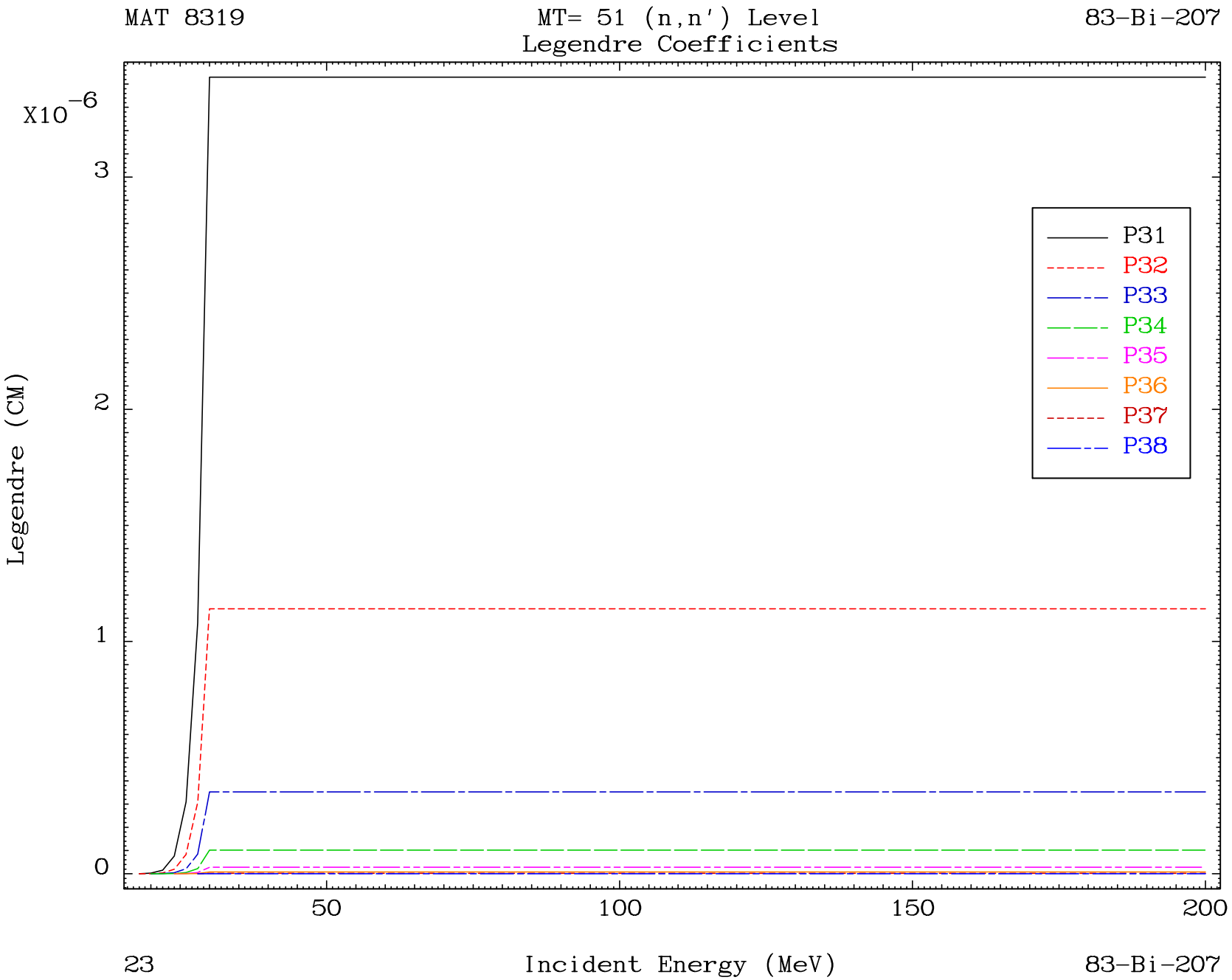

MAT 8319
Elastic
Legendre Coefficients
83-Bi-207
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
0.03
0.02
0.01
0.00
10
15
20
25
30
18
Incident Energy (MeV)
83-Bi-207

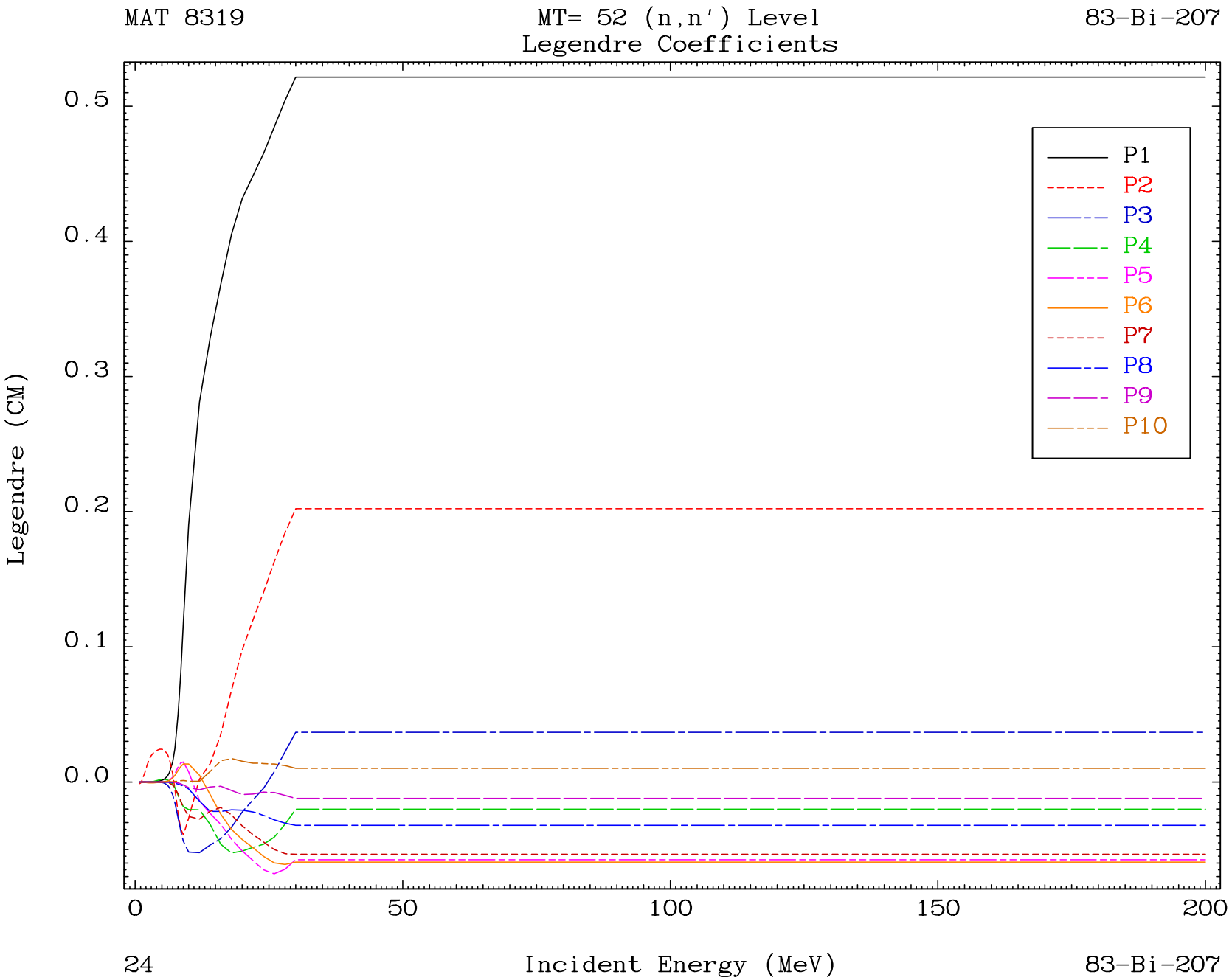

MAT 8319
Elastic
Legendre Coefficients
83-Bi-207
X10^-5
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
10
15
20
25
30
19
Incident Energy (MeV)
83-Bi-207

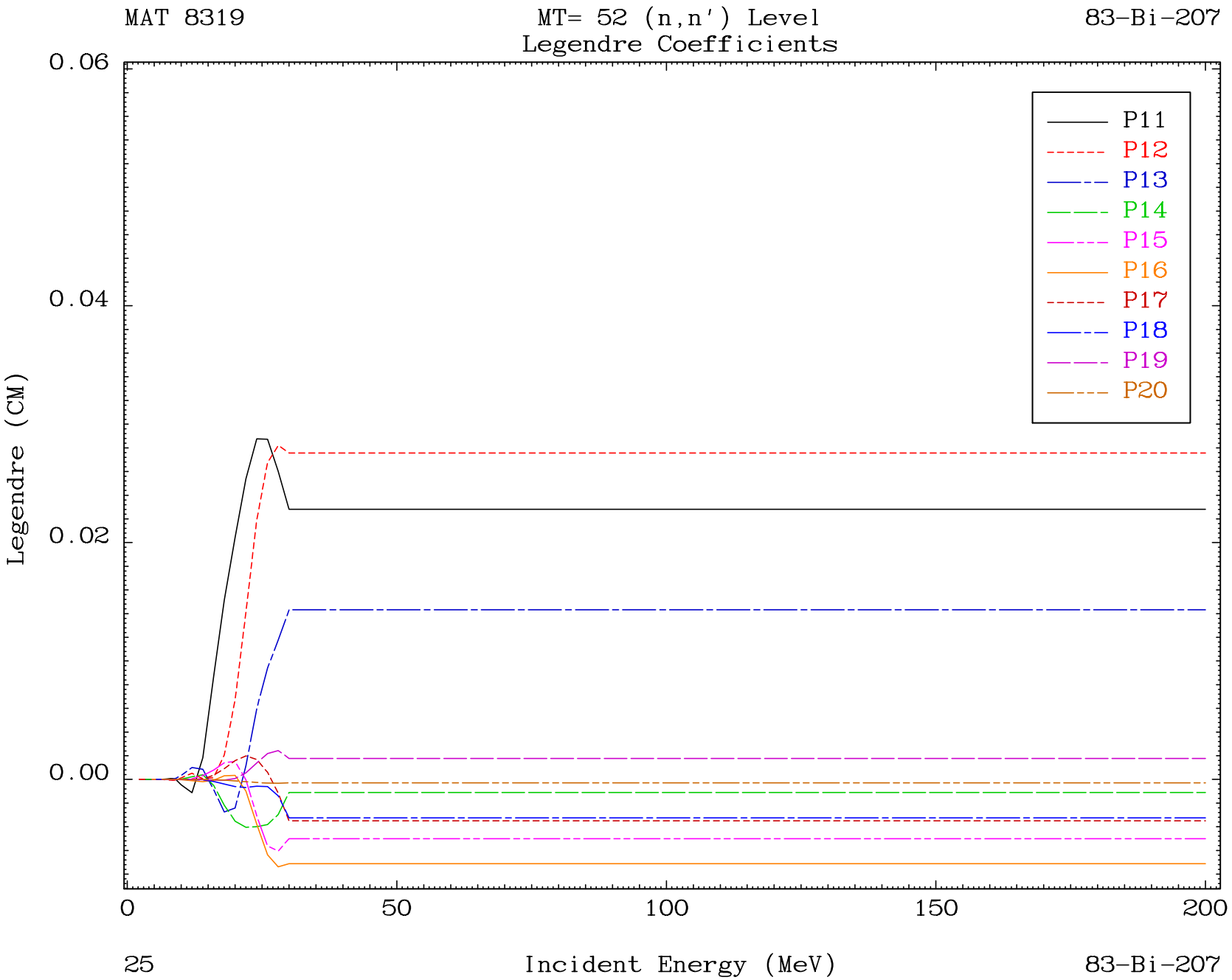

MAT 8319
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
83-Bi-207

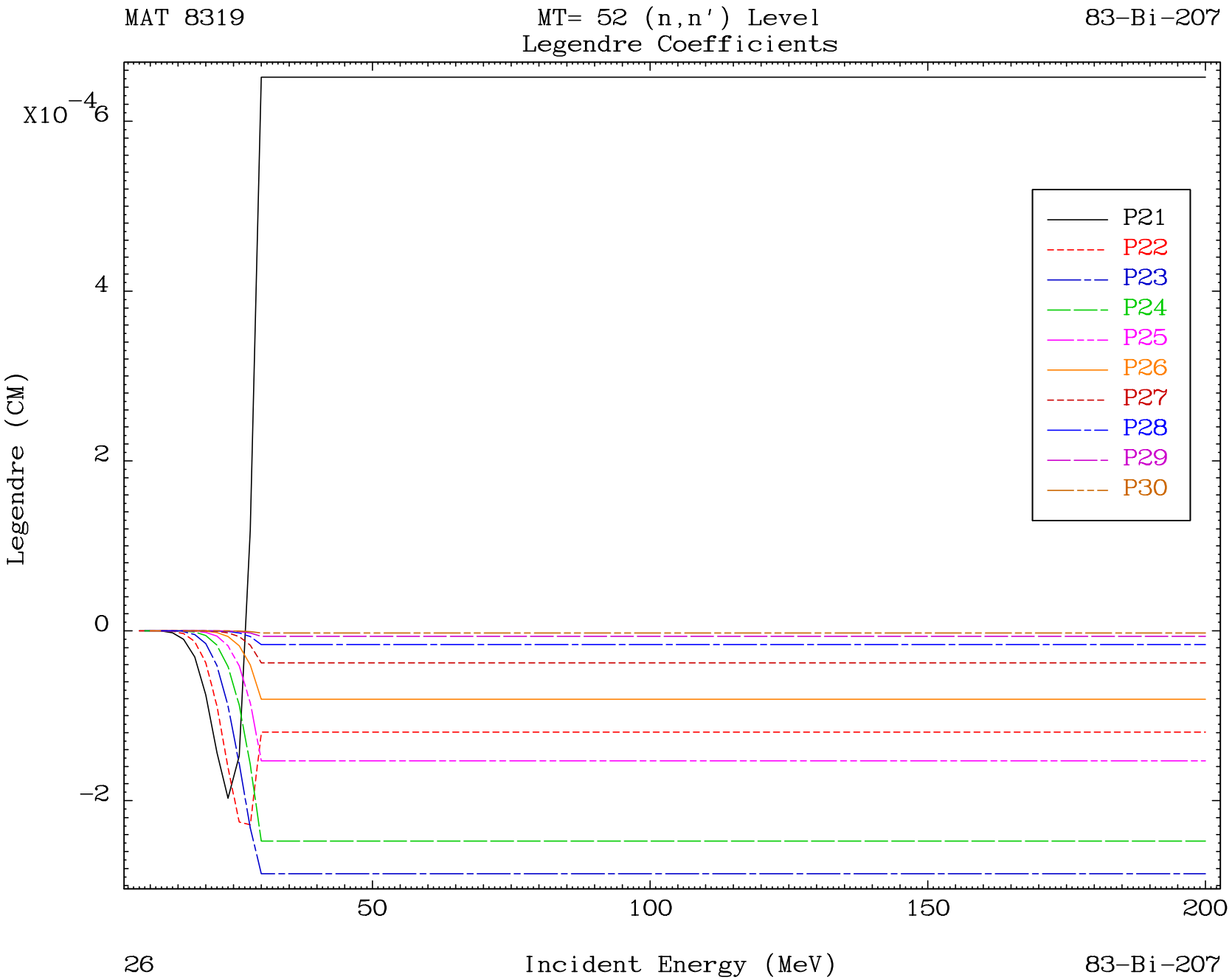

MAT 8319
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
21
Incident Energy (MeV)
83-Bi-207

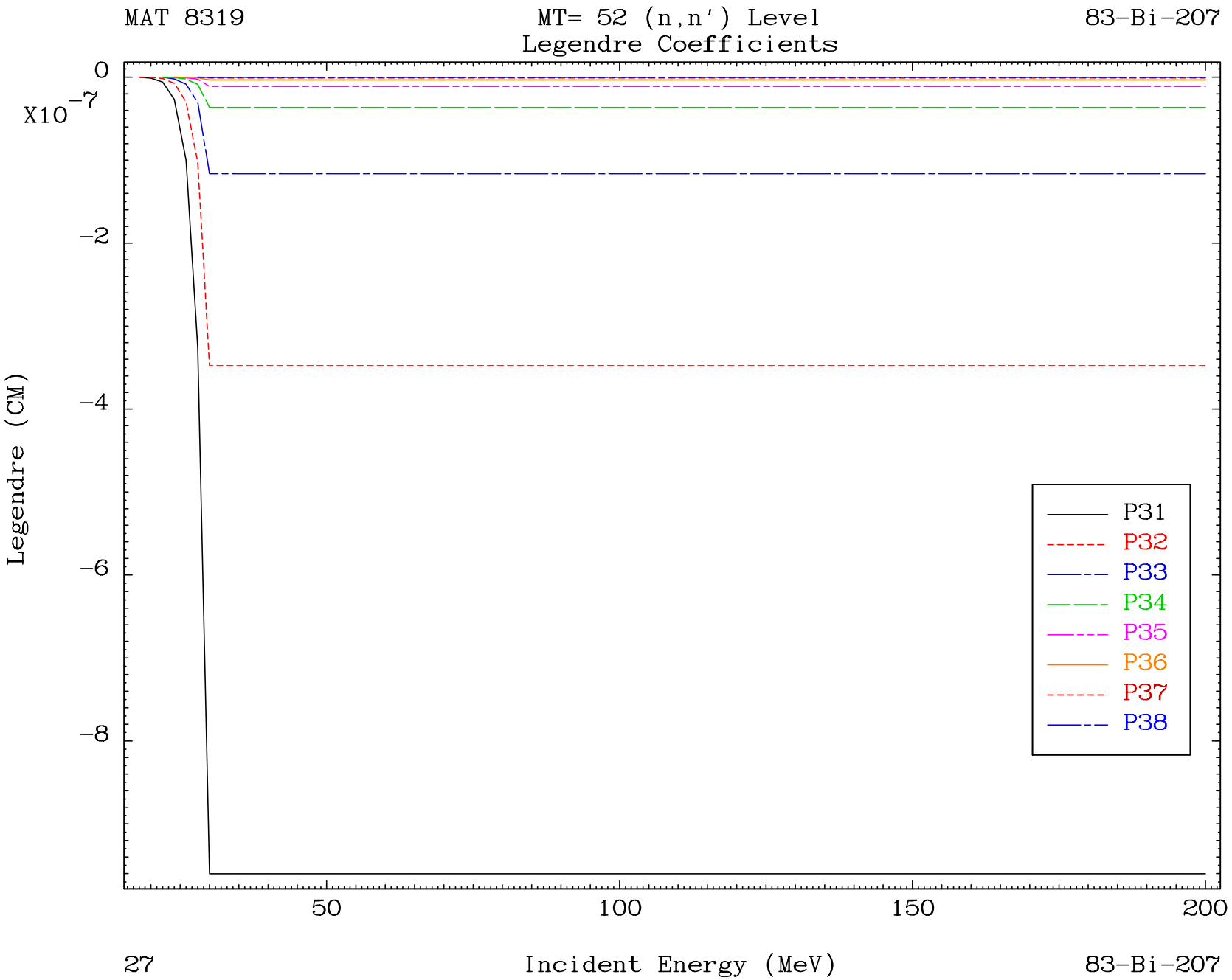

MAT 8319
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
83-Bi-207

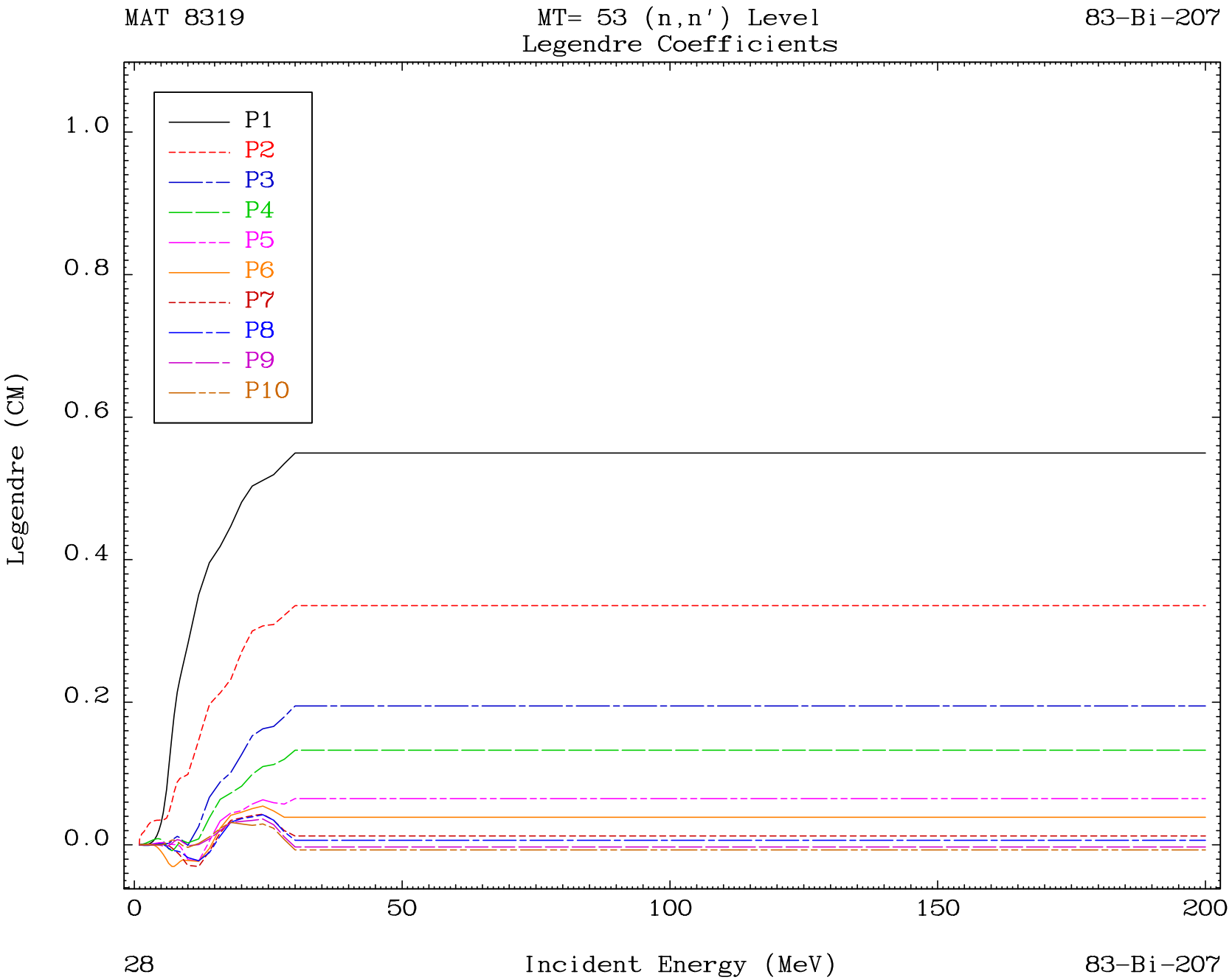

MAT 8319
MT= 51 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
23
Incident Energy (MeV)
83-Bi-207

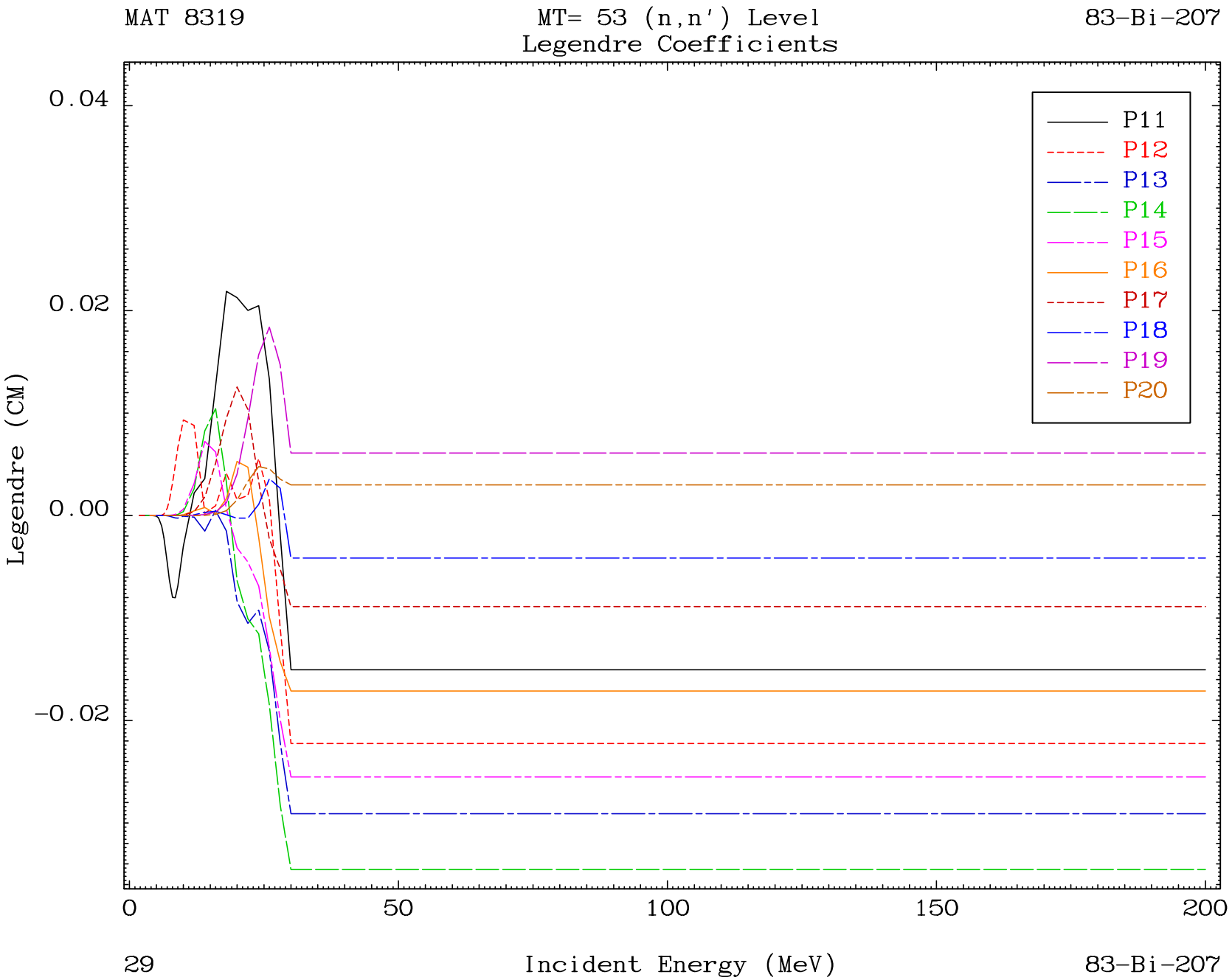

MAT 8319
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
24
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

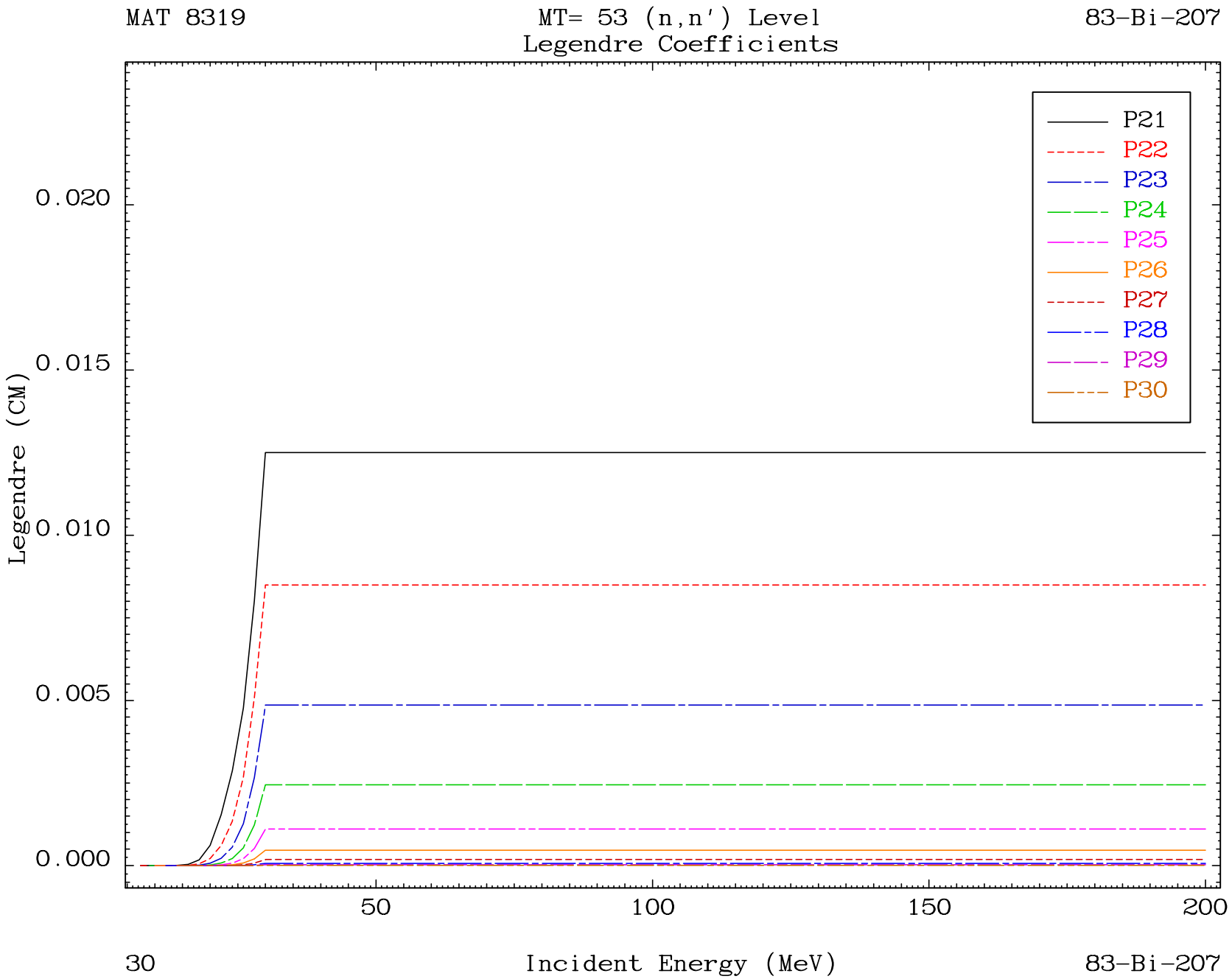

MAT 8319
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-207
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
25
Incident Energy (MeV)
83-Bi-207

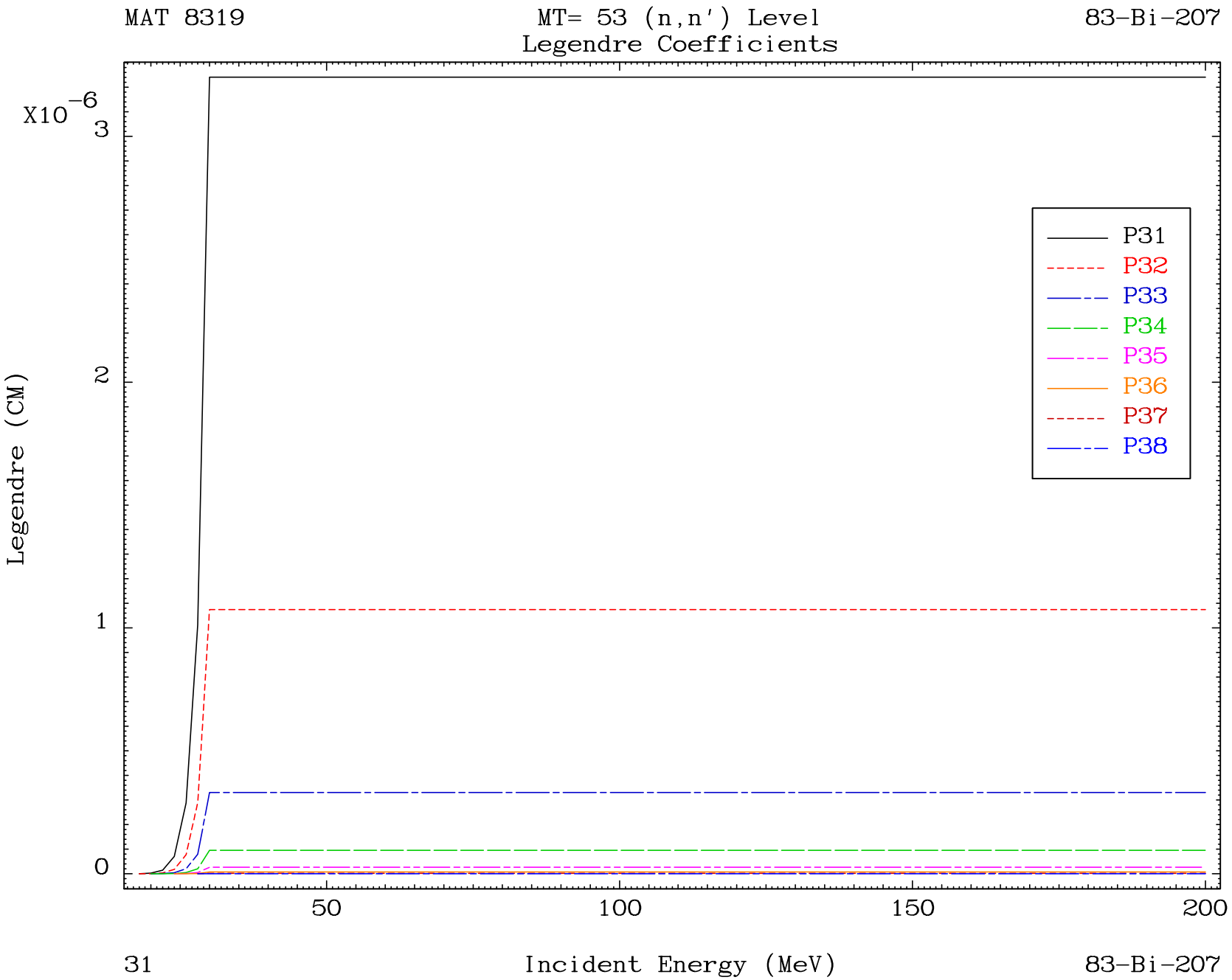

MAT 8319
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -4
6
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
26
Incident Energy (MeV)
83-Bi-207

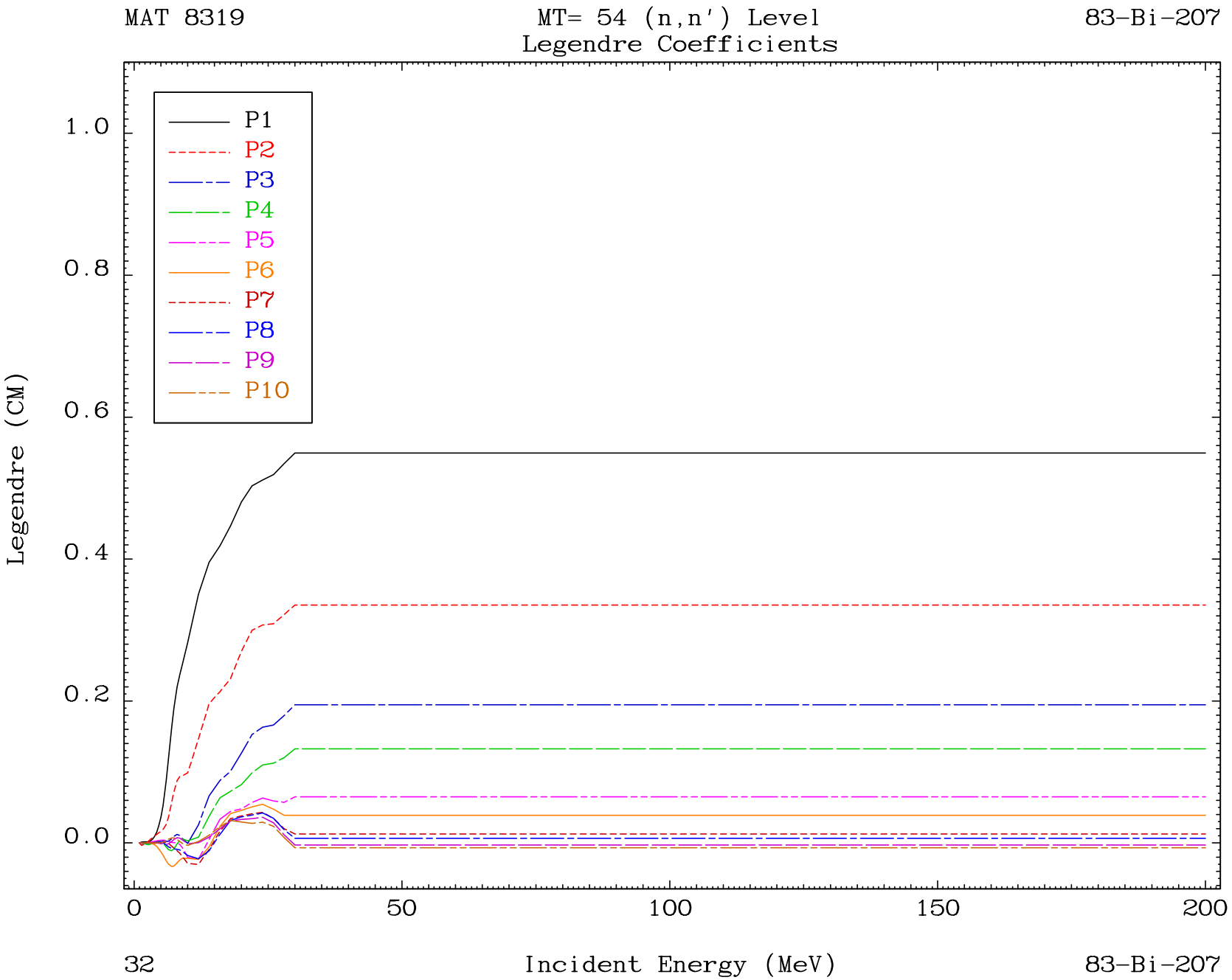

MAT 8319
MT= 52 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
83-Bi-207
P31
P32
P33
P34
P35
P36
P37
P38

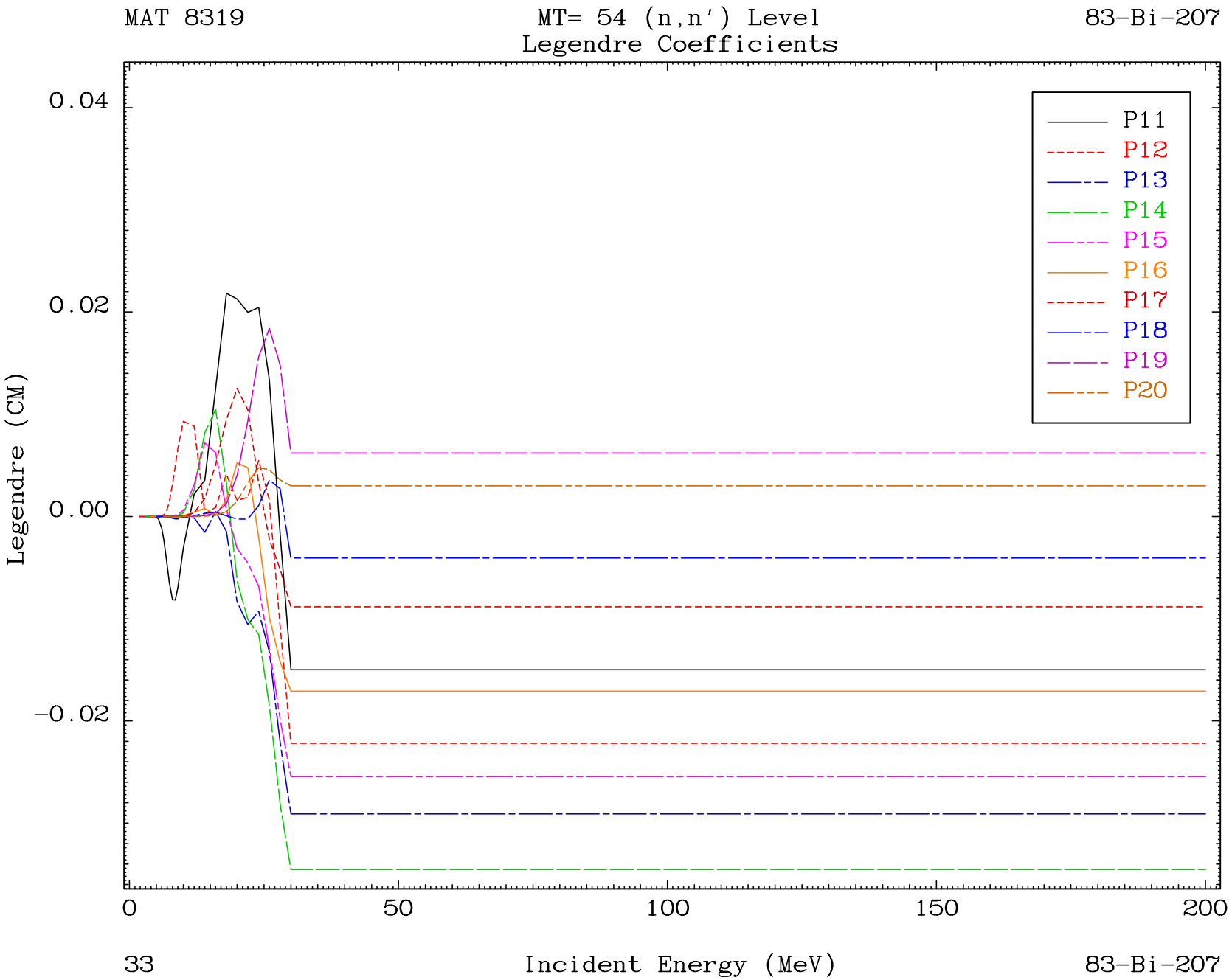

MAT 8319
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
28
Incident Energy (MeV)
83-Bi-207

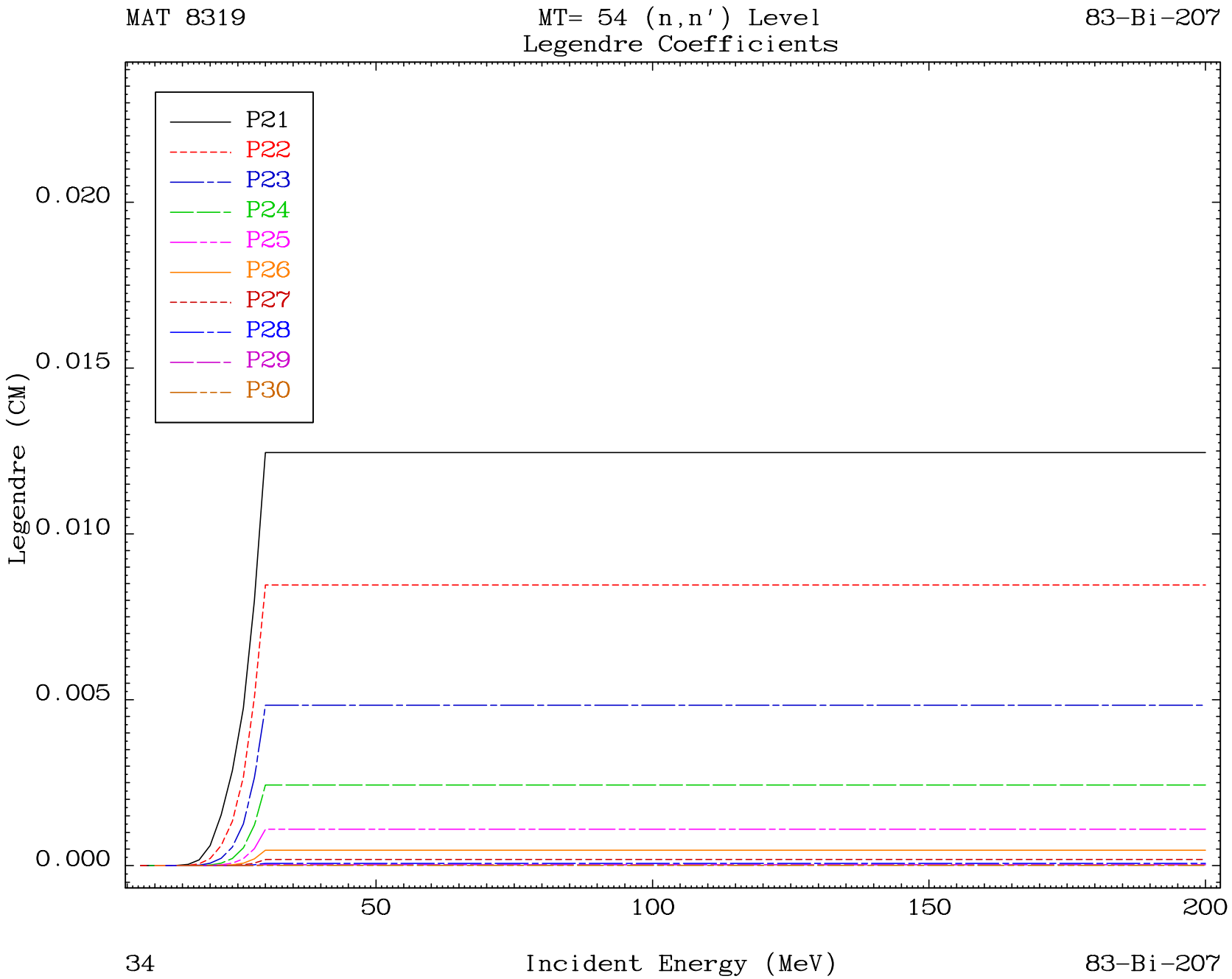

MAT 8319
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
29
Incident Energy (MeV)
83-Bi-207

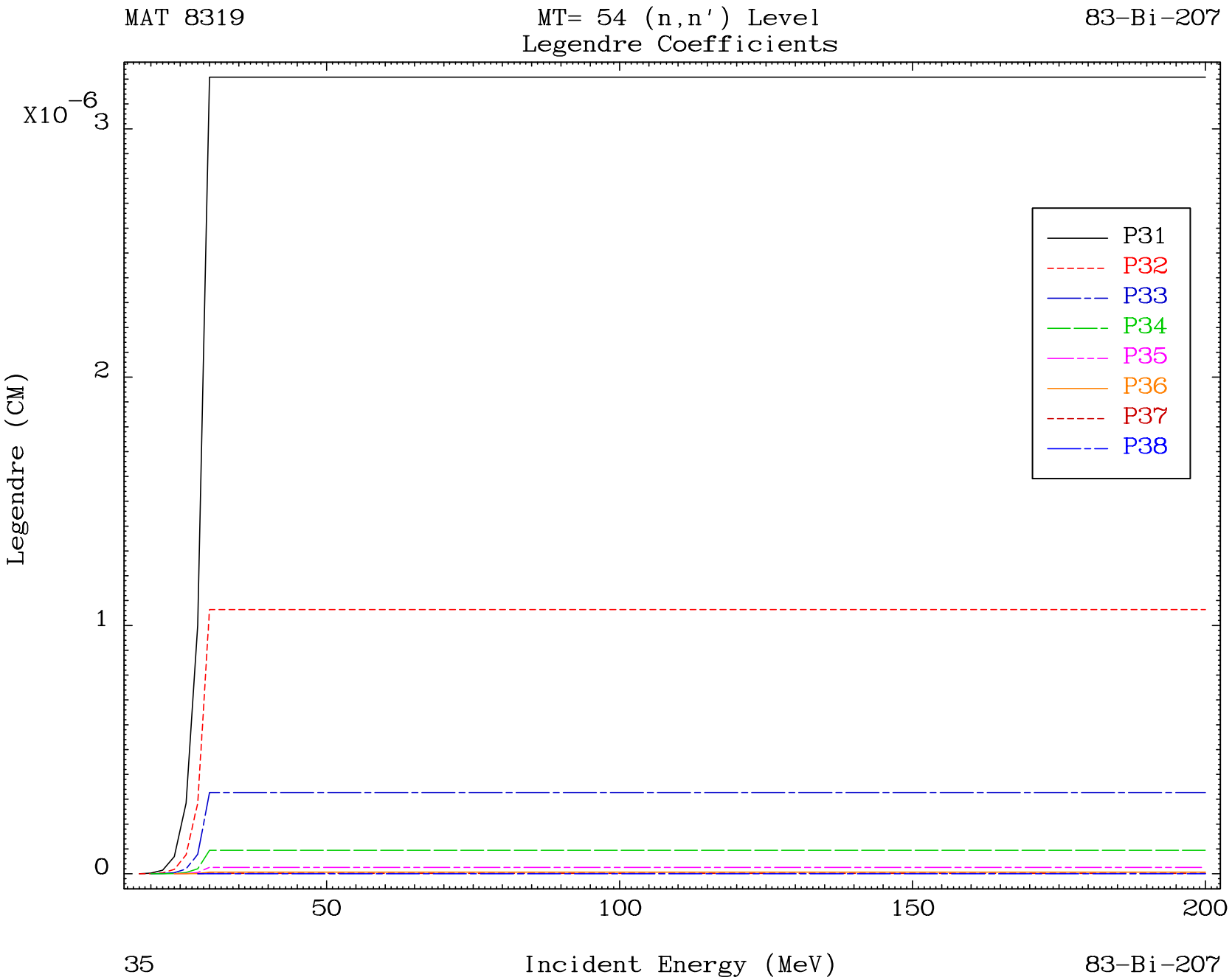

MAT 8319
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
30
Incident Energy (MeV)
83-Bi-207

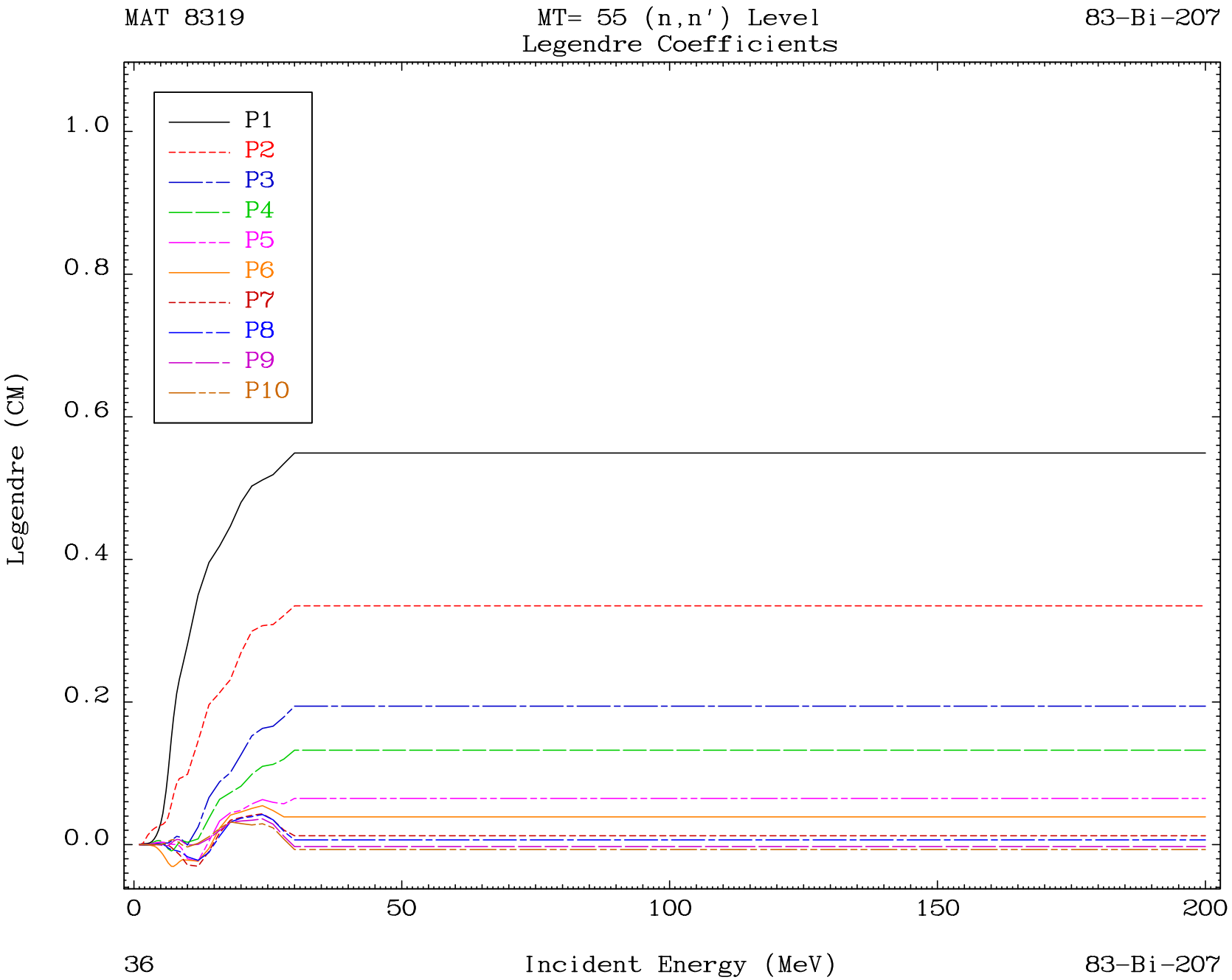

MAT 8319
MT= 53 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
31
Incident Energy (MeV)
83-Bi-207

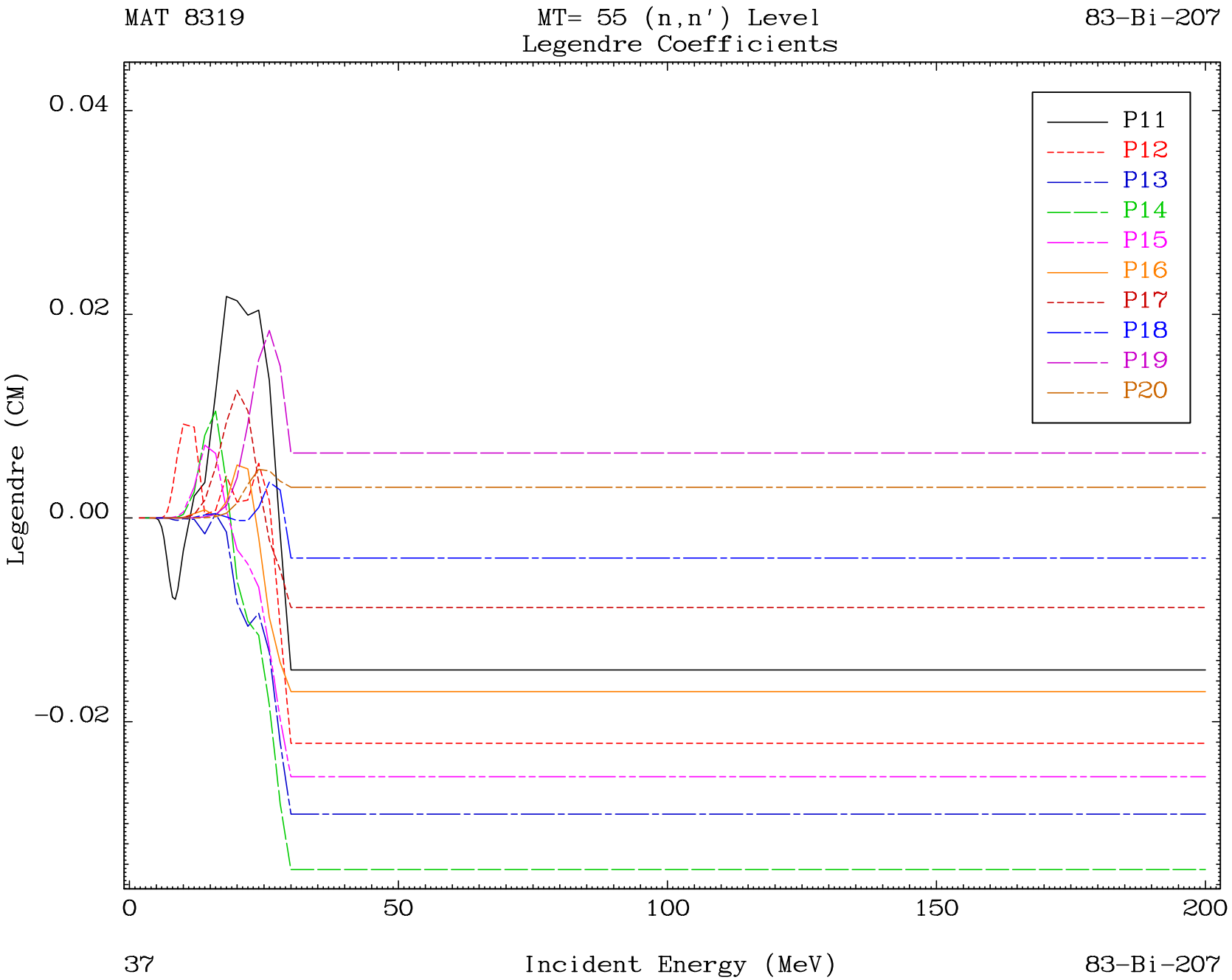

MAT 8319
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
32
Incident Energy (MeV)
83-Bi-207

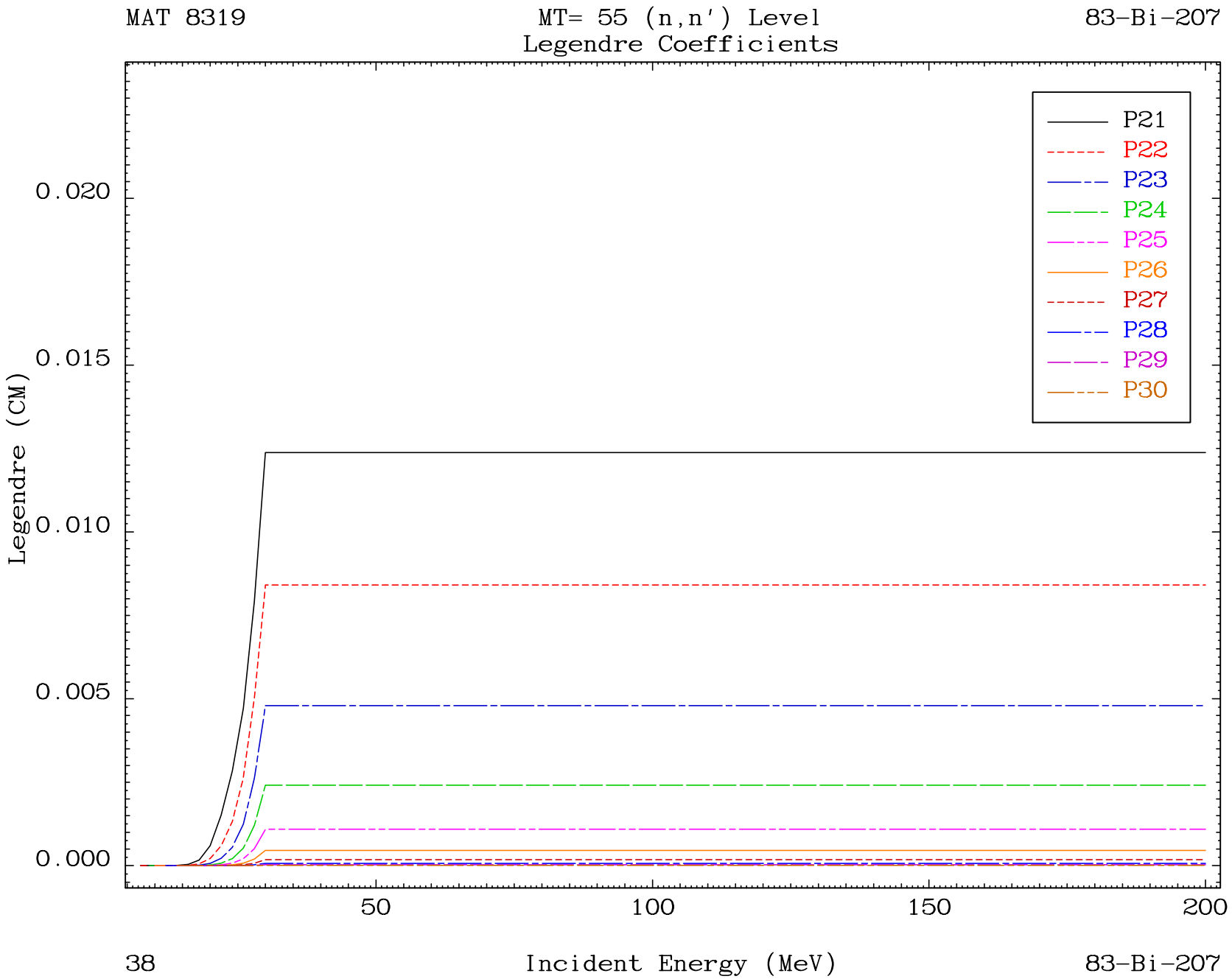

MAT 8319
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
33
Incident Energy (MeV)
83-Bi-207

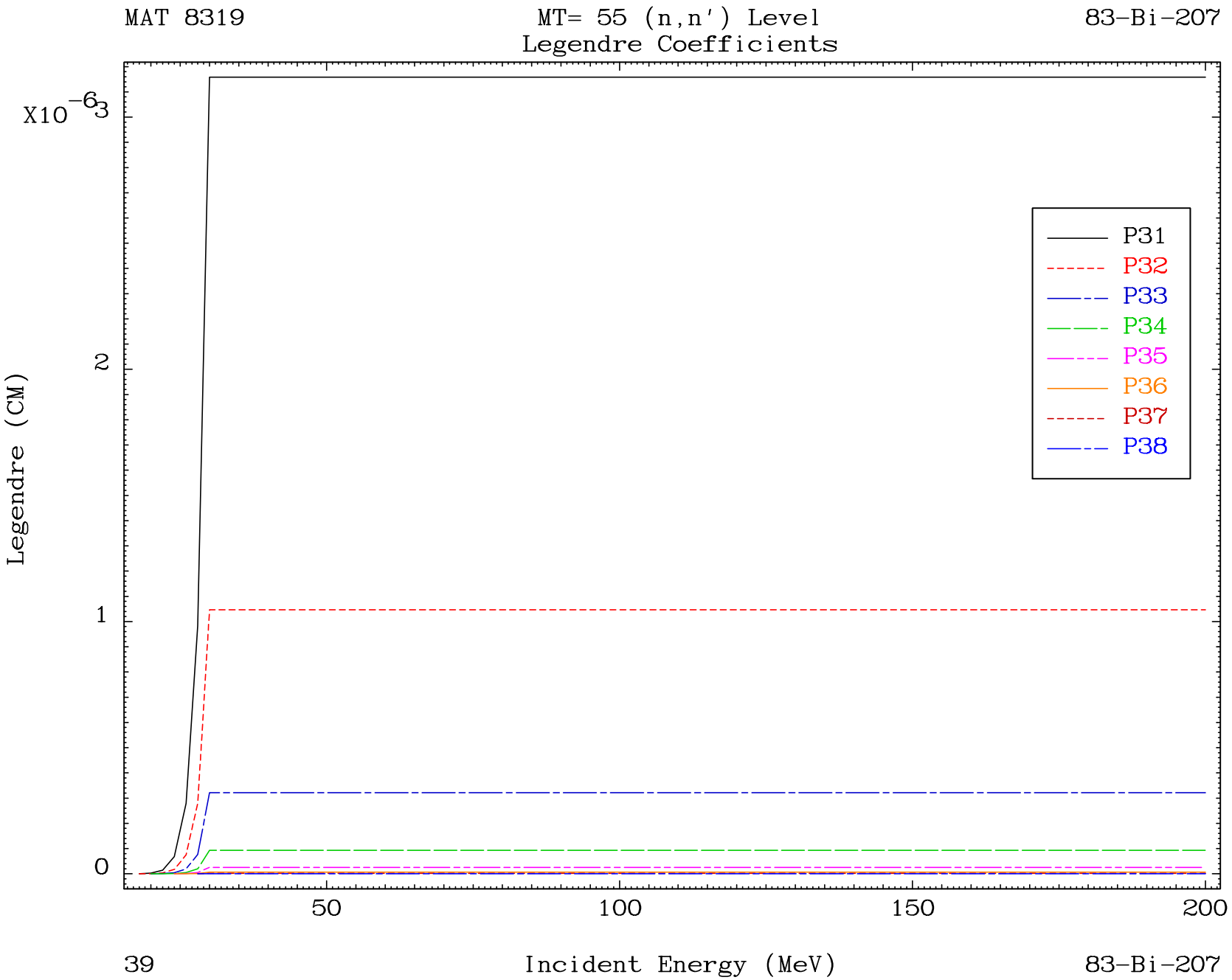

MAT 8319
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
83-Bi-207

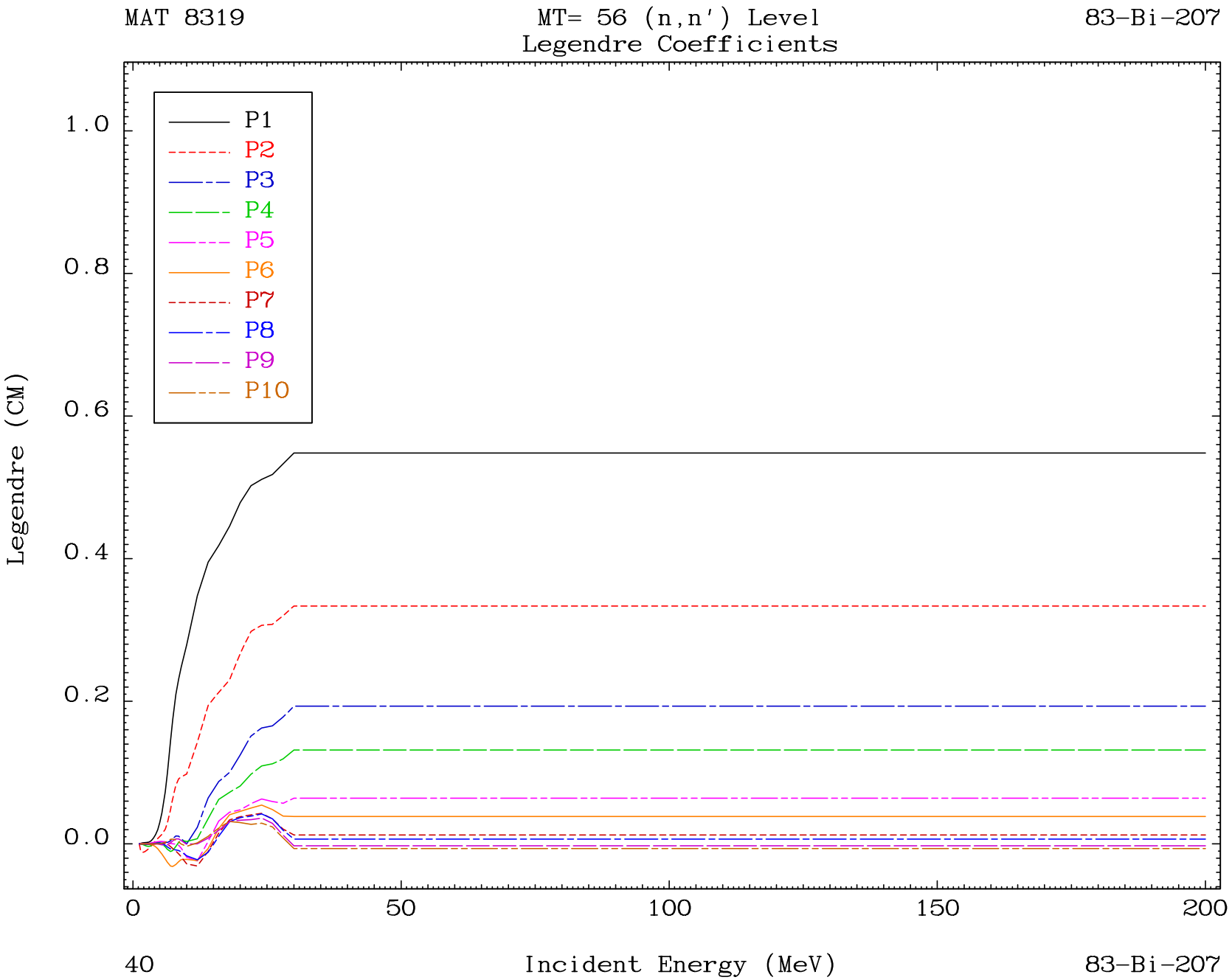

MAT 8319
MT= 54 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
35
Incident Energy (MeV)
83-Bi-207

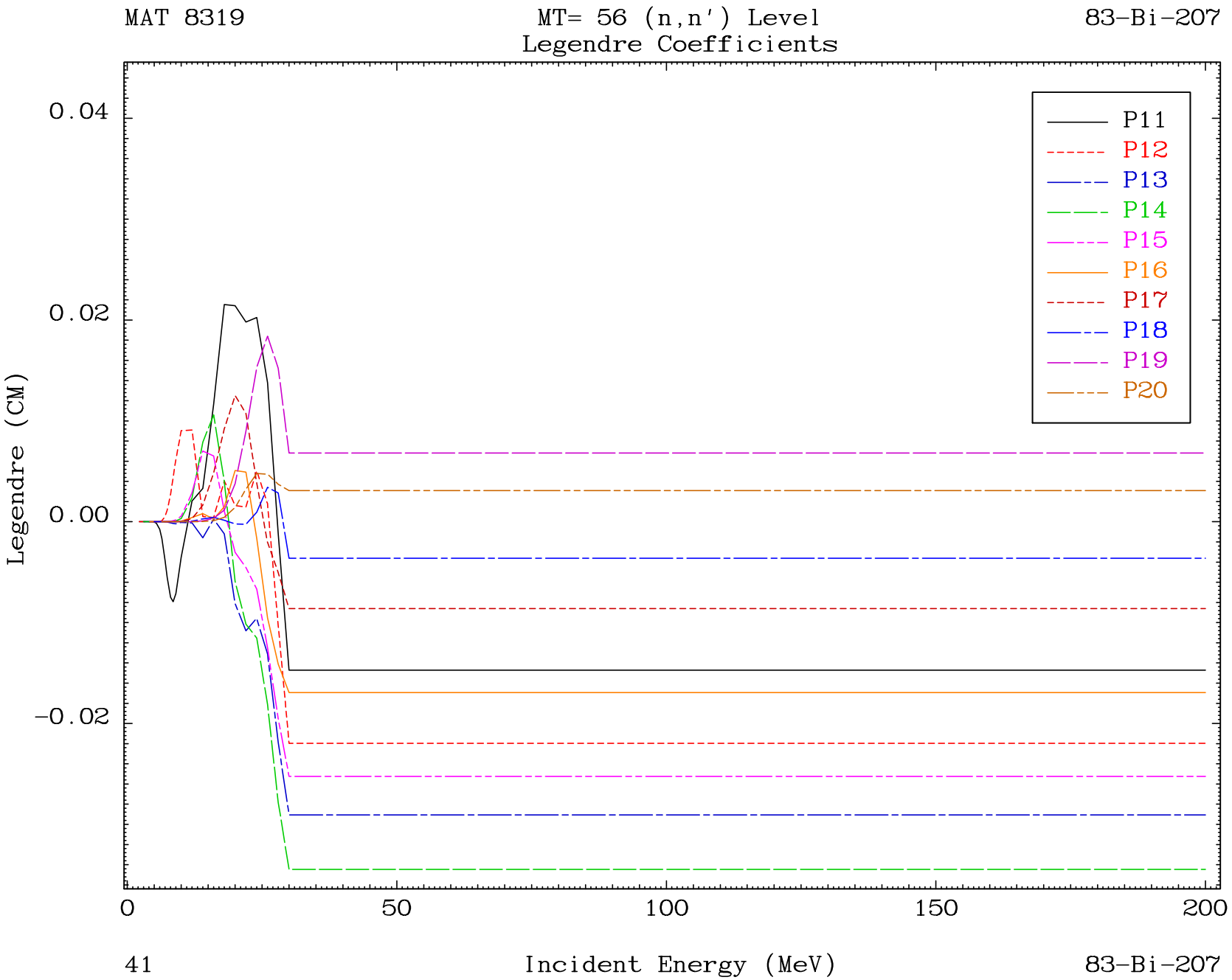

MAT 8319
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
83-Bi-207

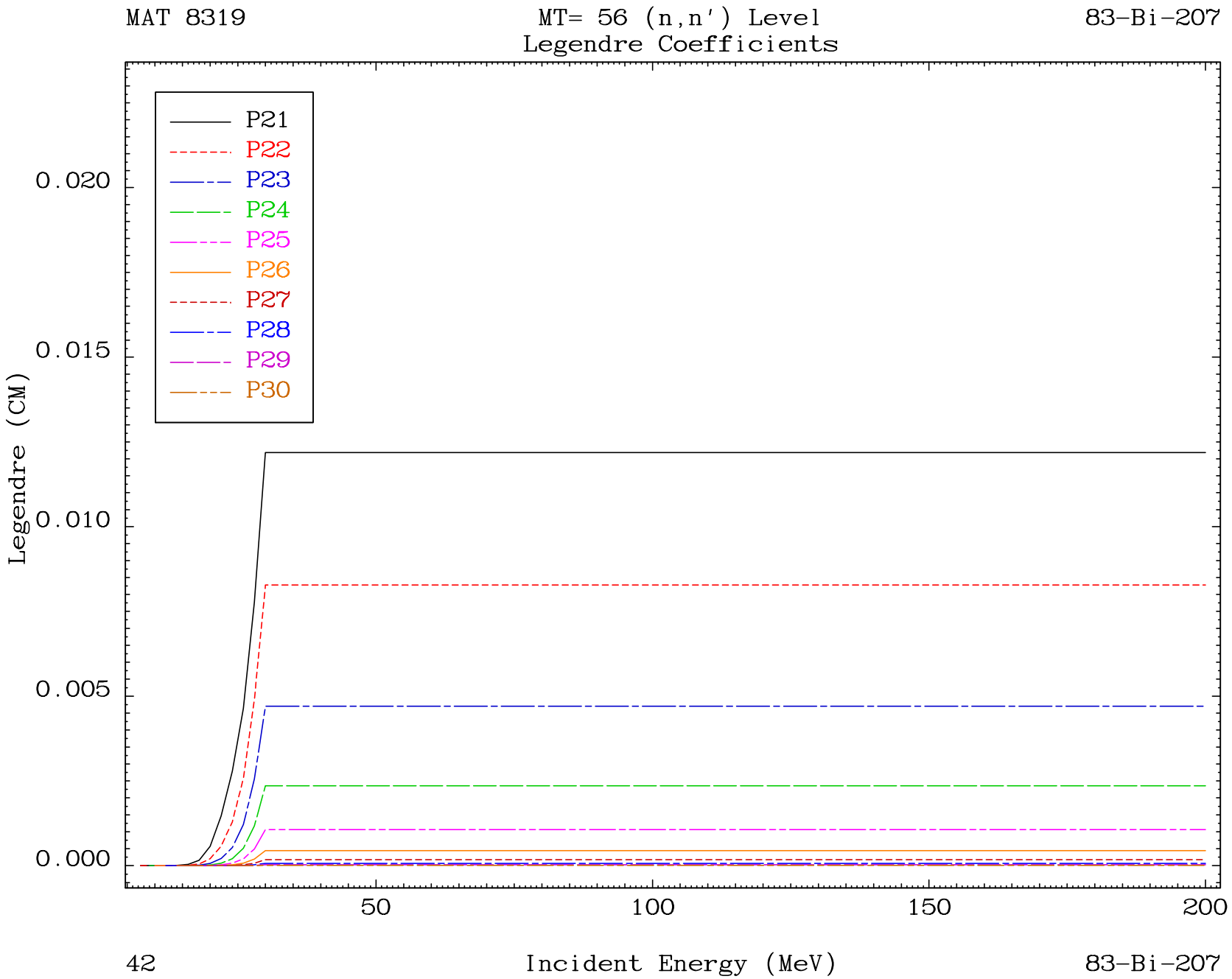

MAT 8319
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
37
Incident Energy (MeV)
83-Bi-207

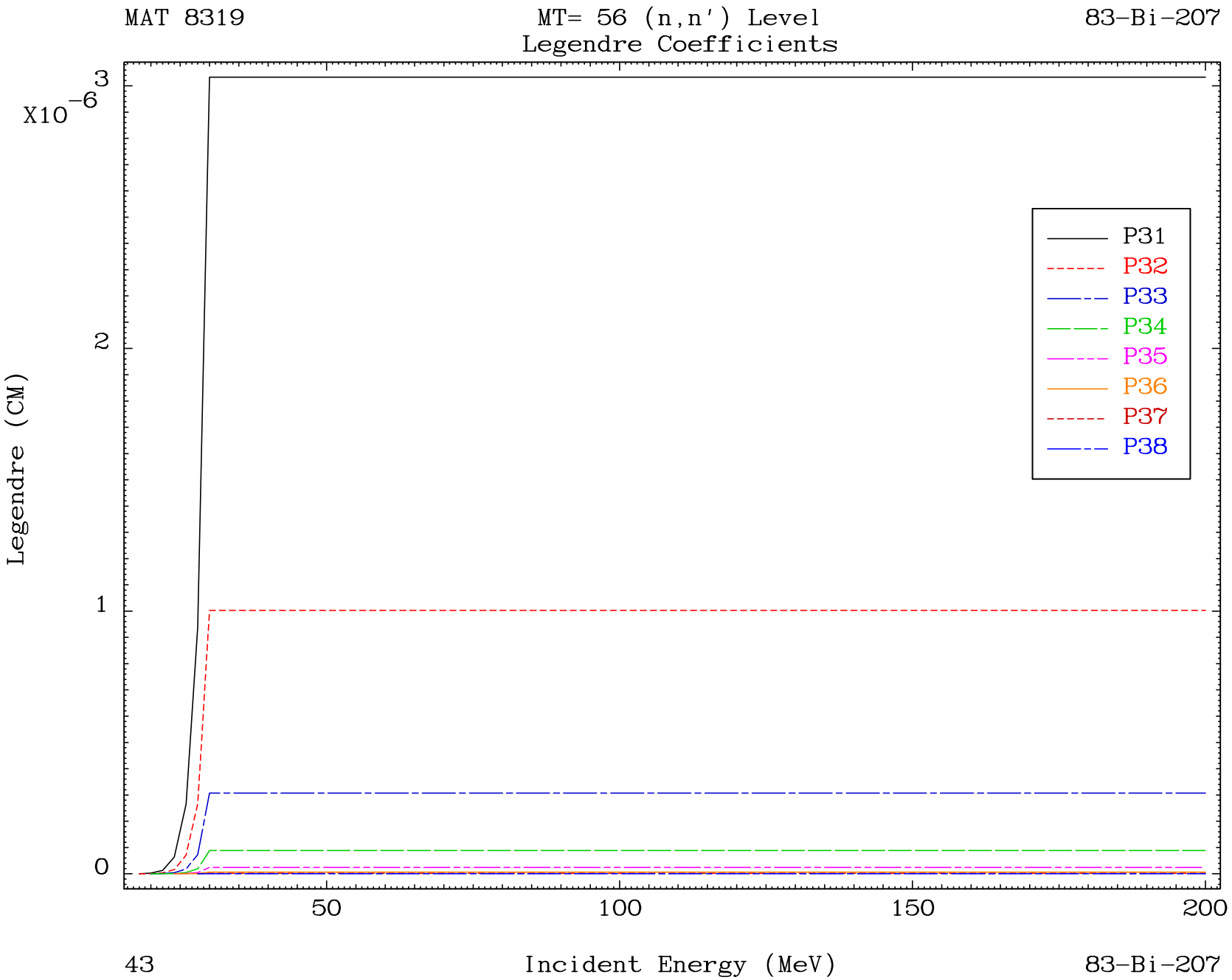

MAT 8319
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
83-Bi-207

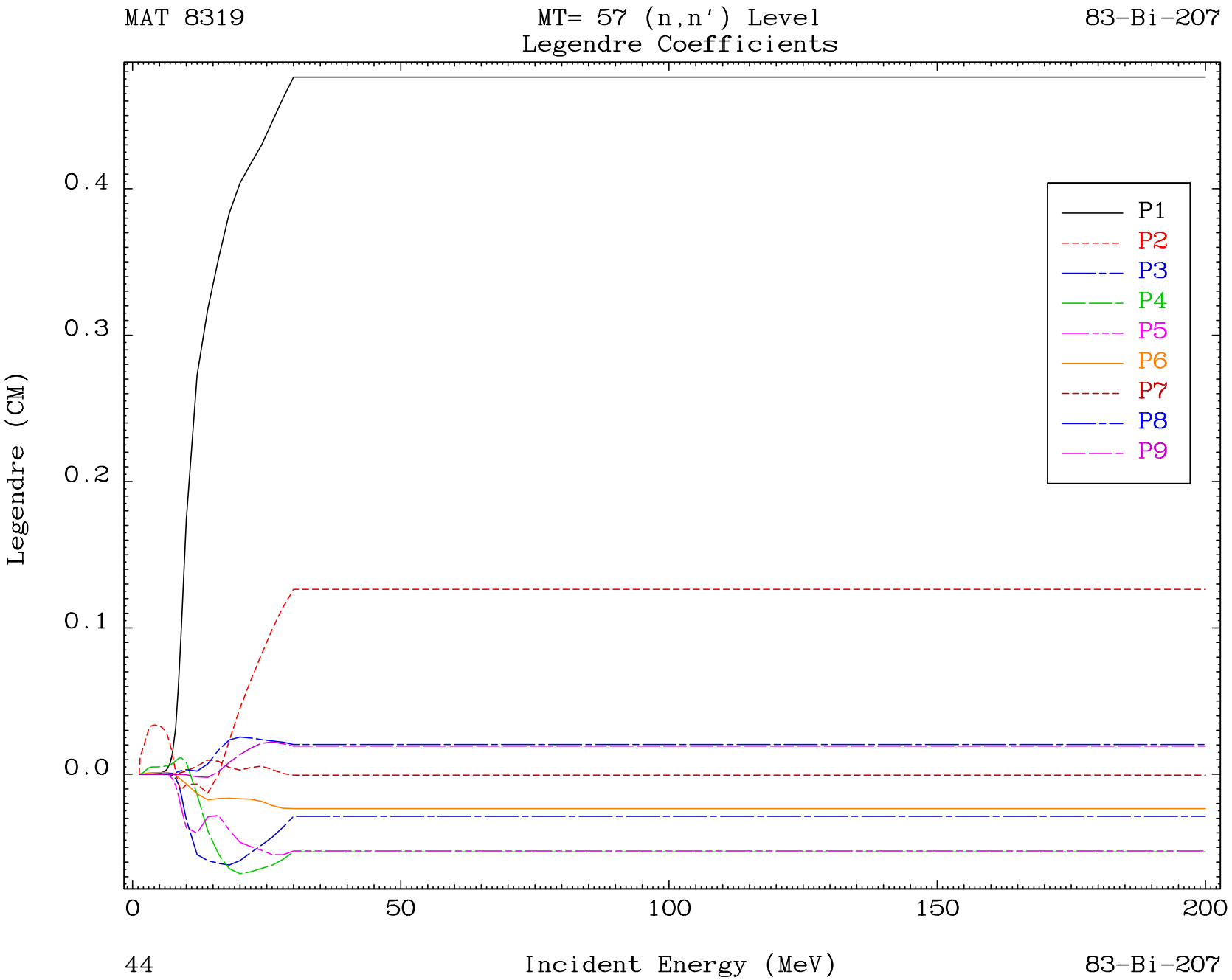

MAT 8319
MT= 55 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
39
Incident Energy (MeV)
83-Bi-207

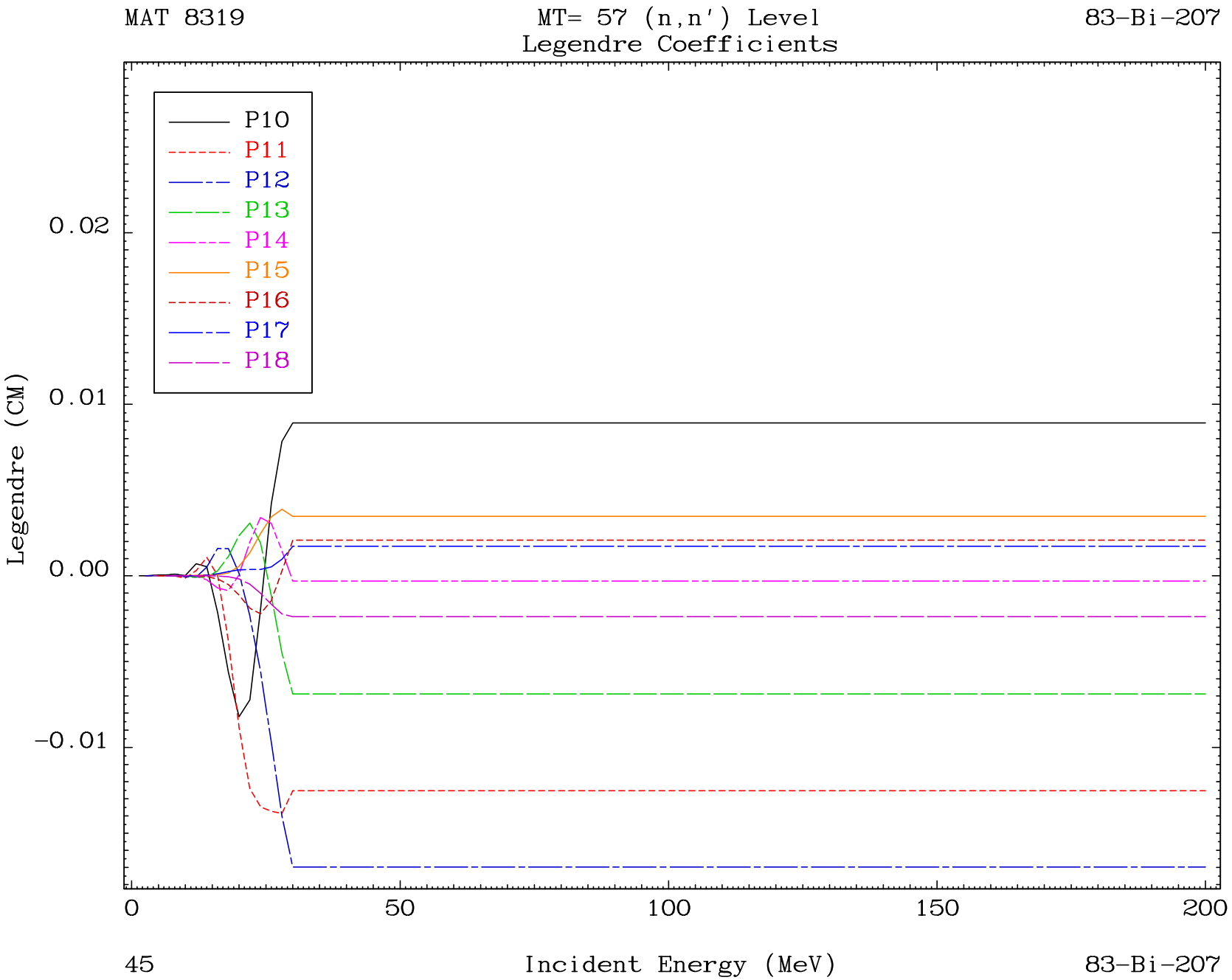

MAT 8319
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
40
Incident Energy (MeV)
83-Bi-207

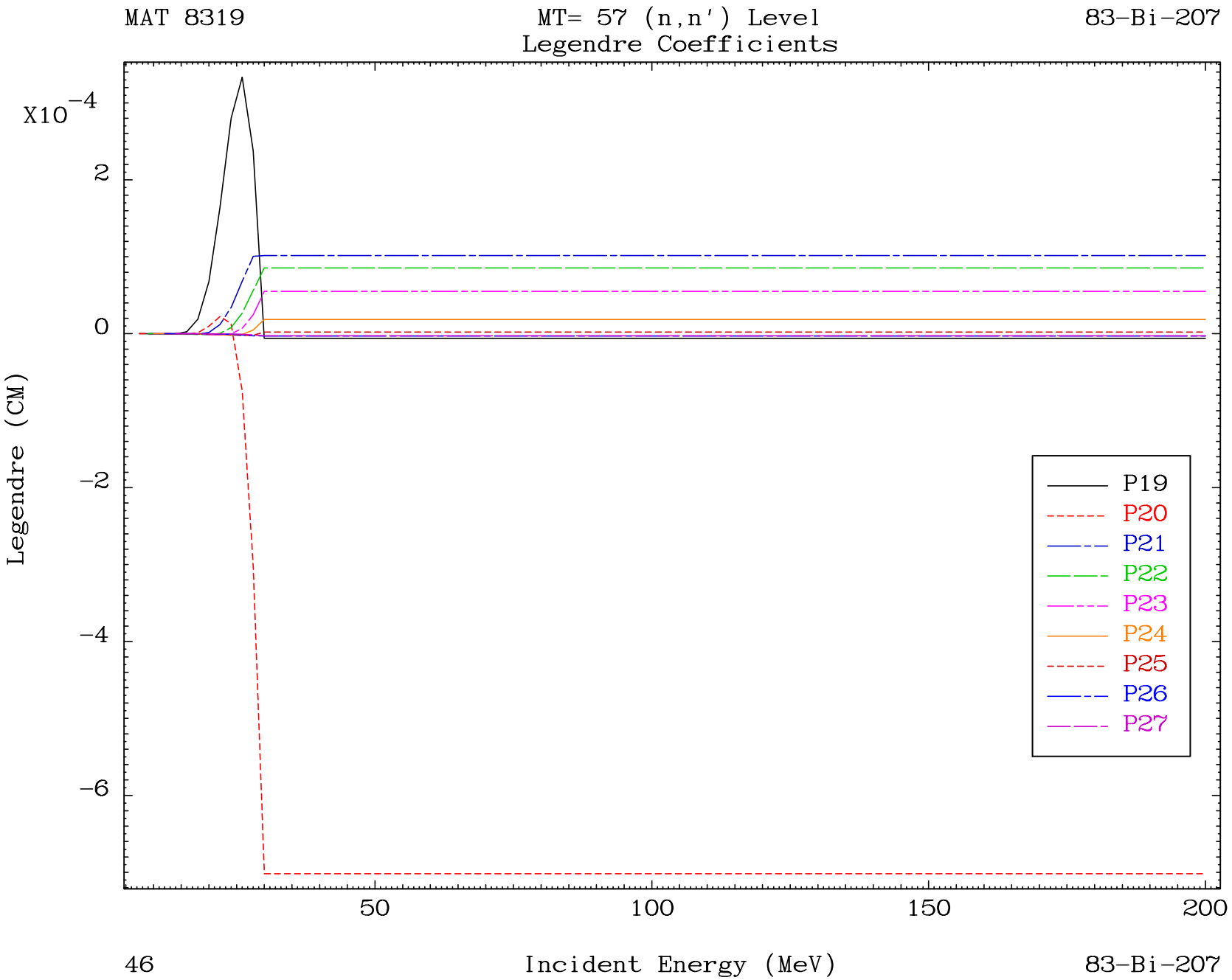

MAT 8319
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
41
Incident Energy (MeV)
83-Bi-207

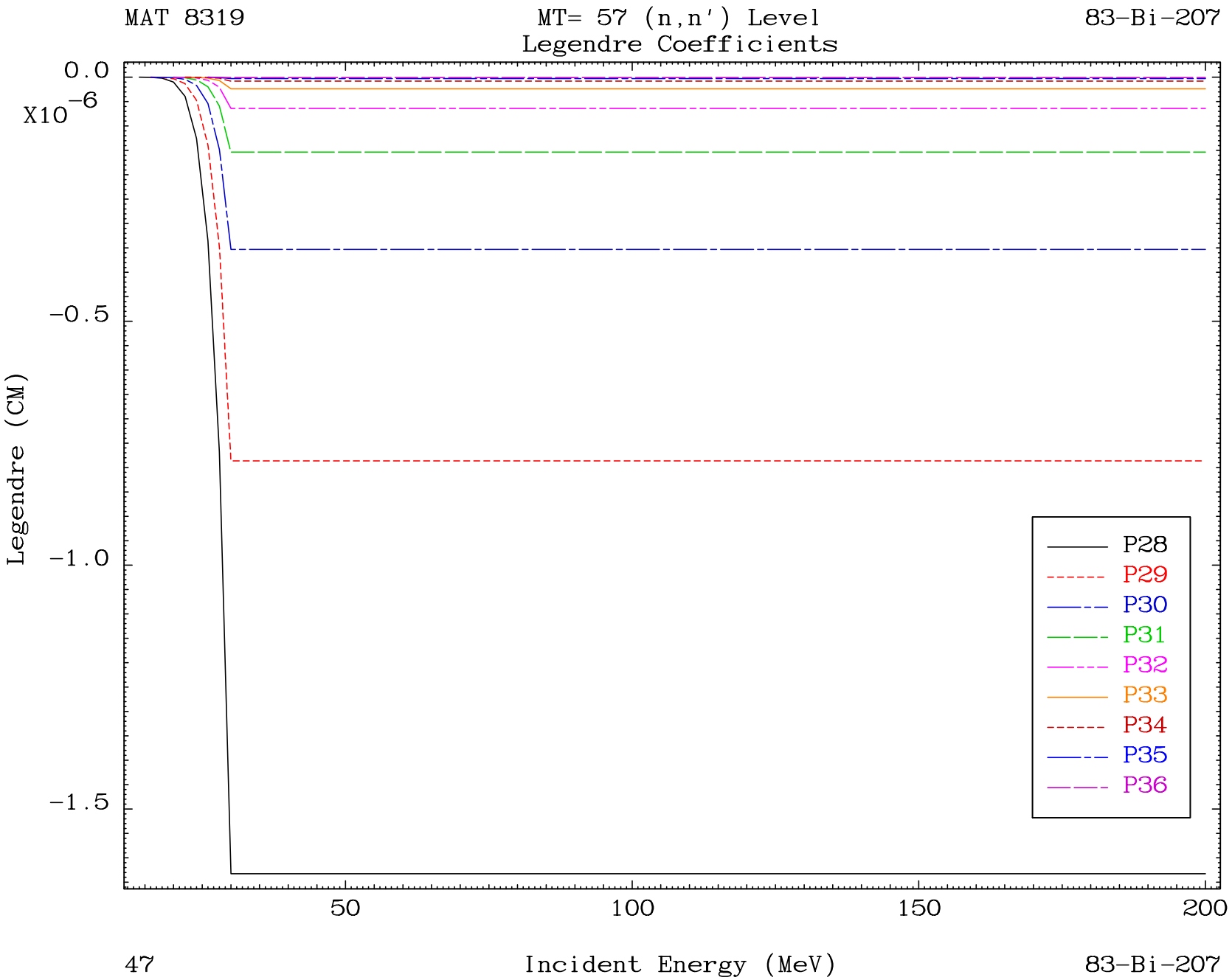

MAT 8319
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
83-Bi-207

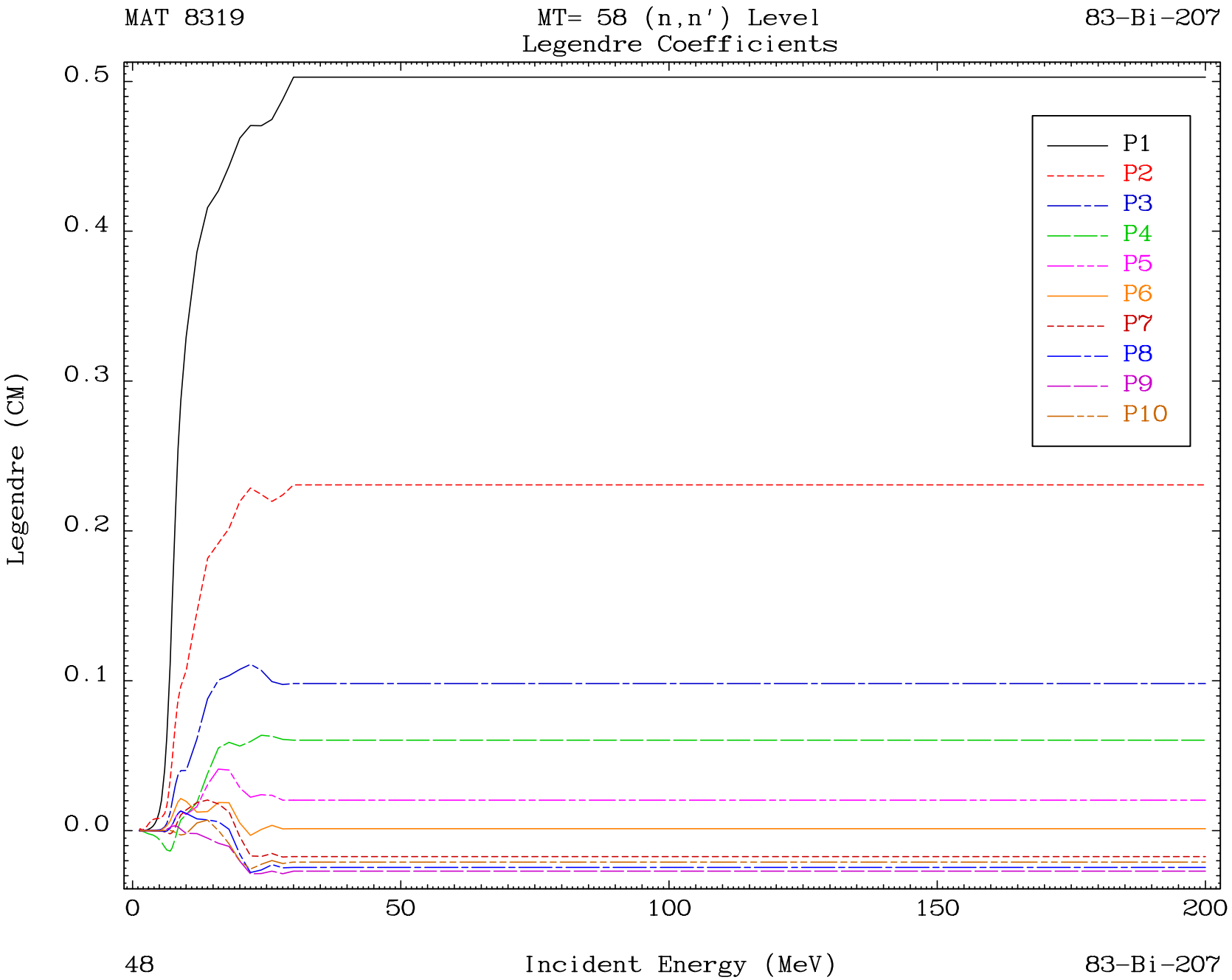

MAT 8319
MT= 56 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
43
Incident Energy (MeV)
83-Bi-207

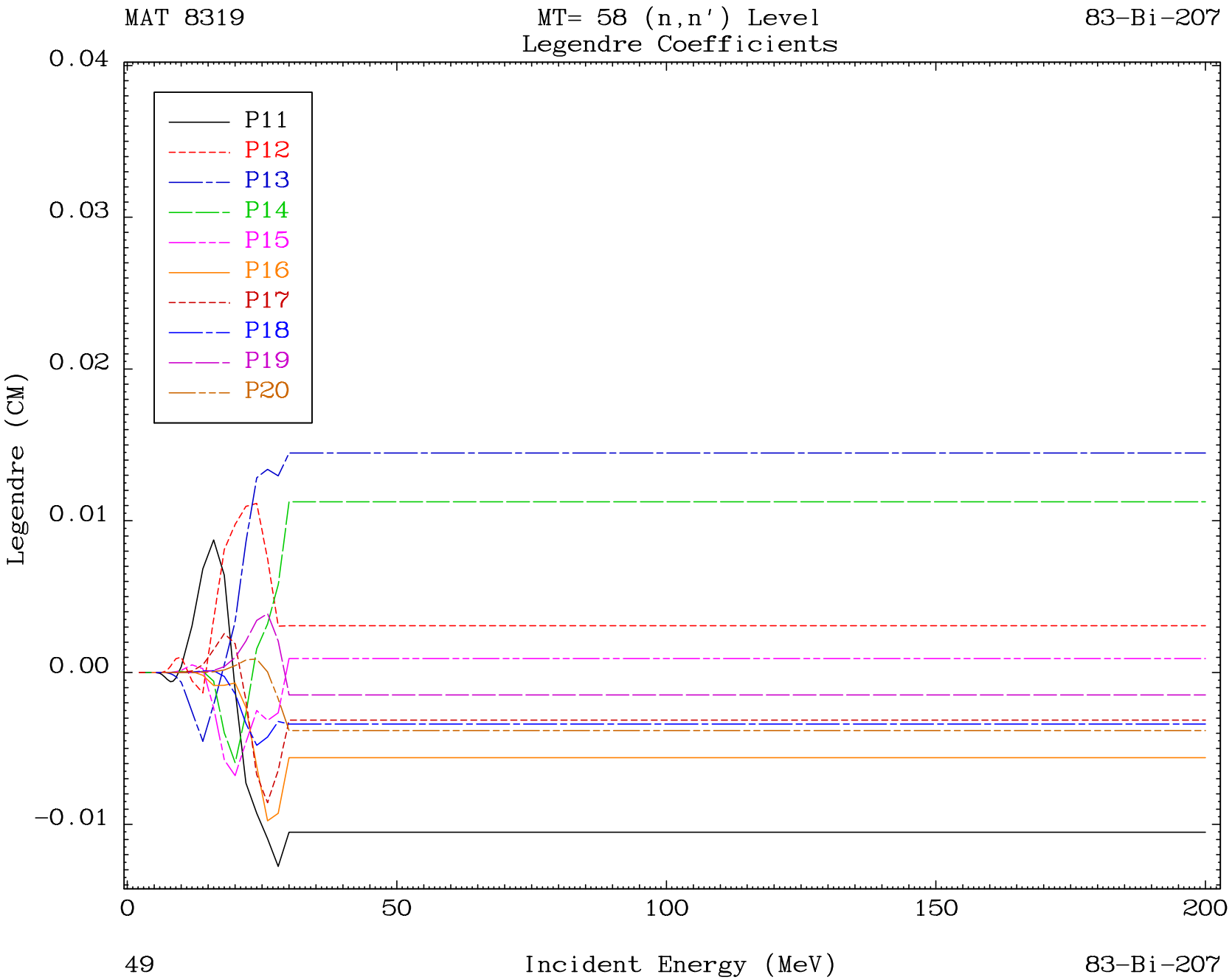

MAT 8319
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
83-Bi-207

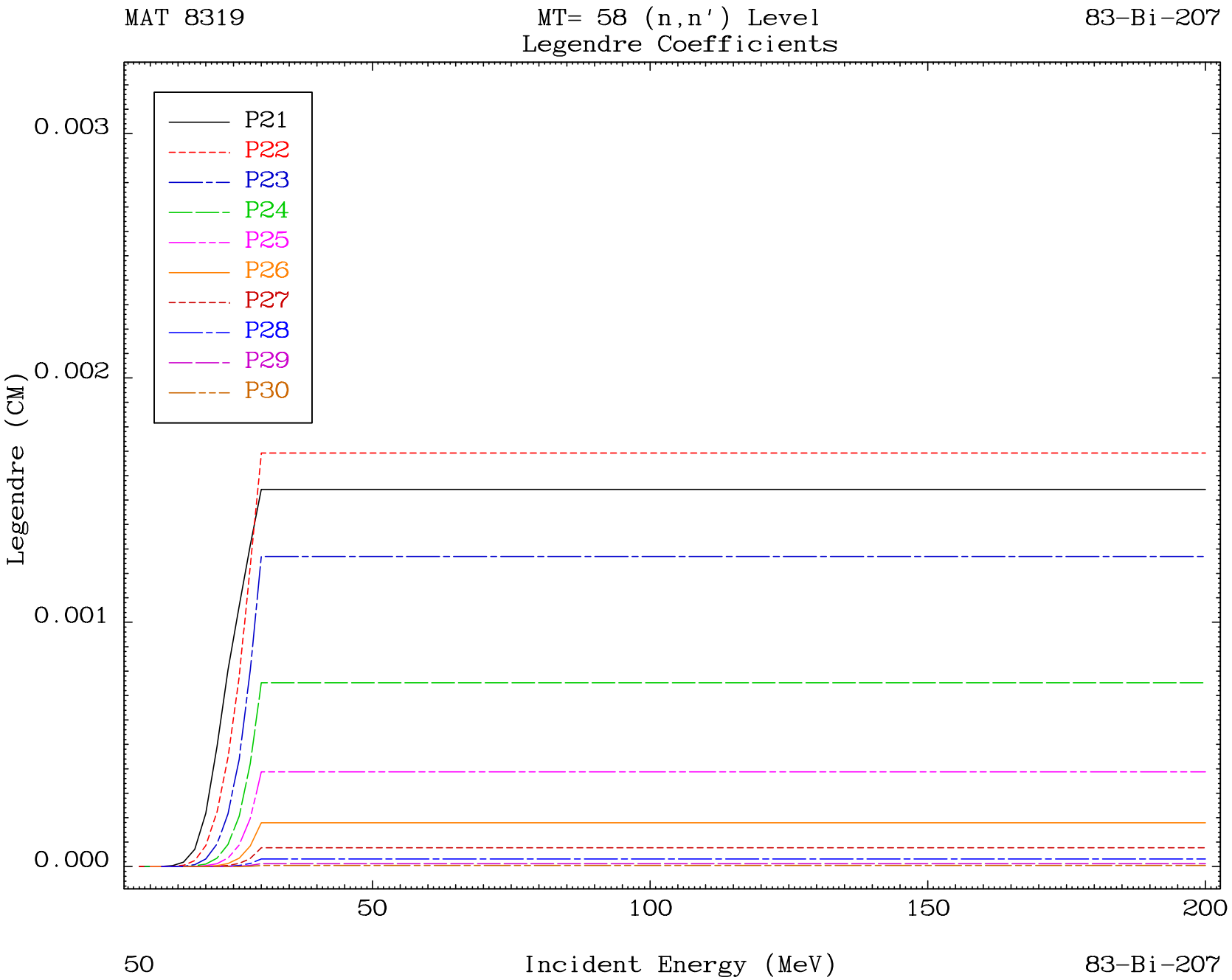

MAT 8319
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-207
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
83-Bi-207

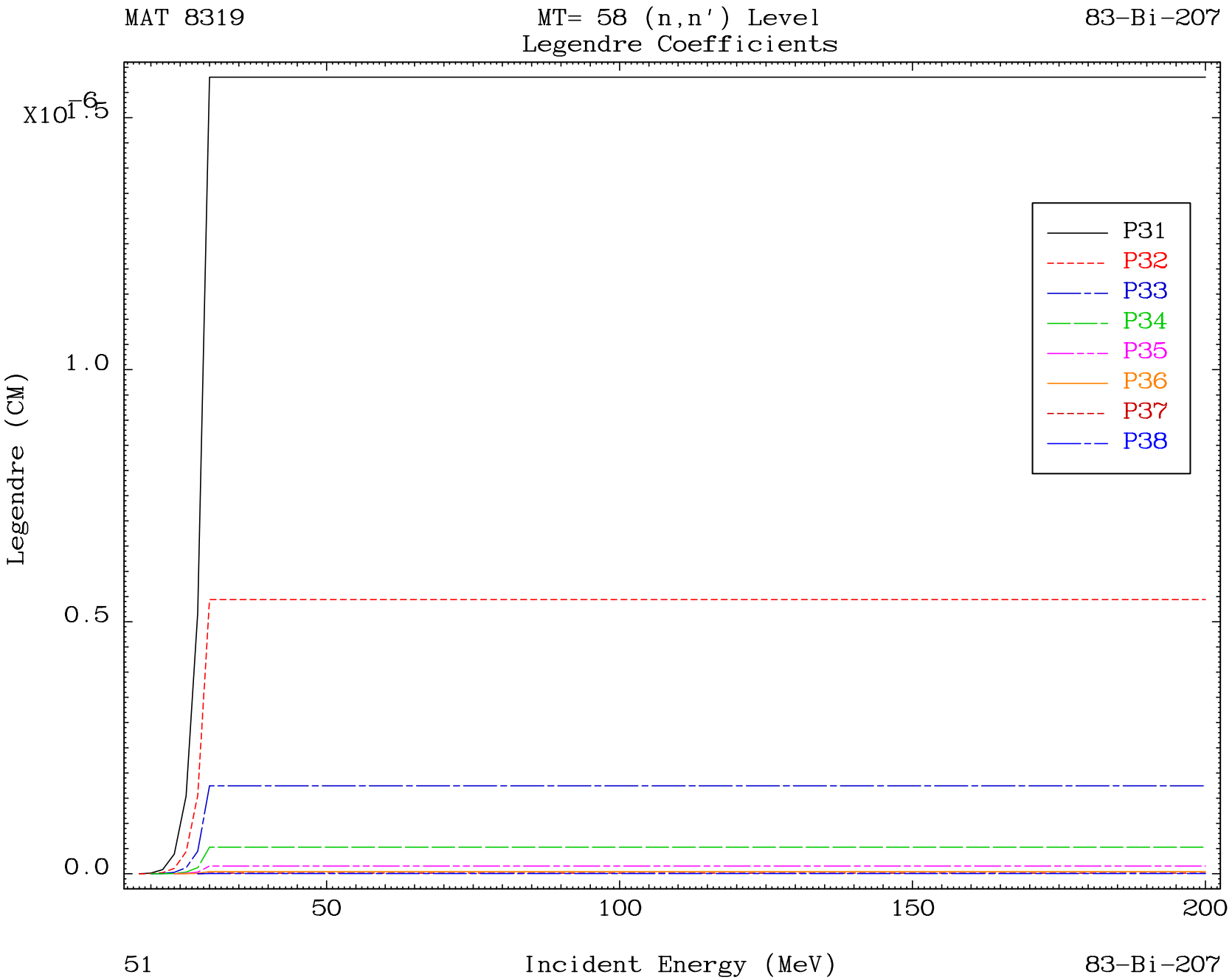

MAT 8319
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-4
2
0
-2
-4
-6
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
83-Bi-207
P19
P20
P21
P22
P23
P24
P25
P26
P27

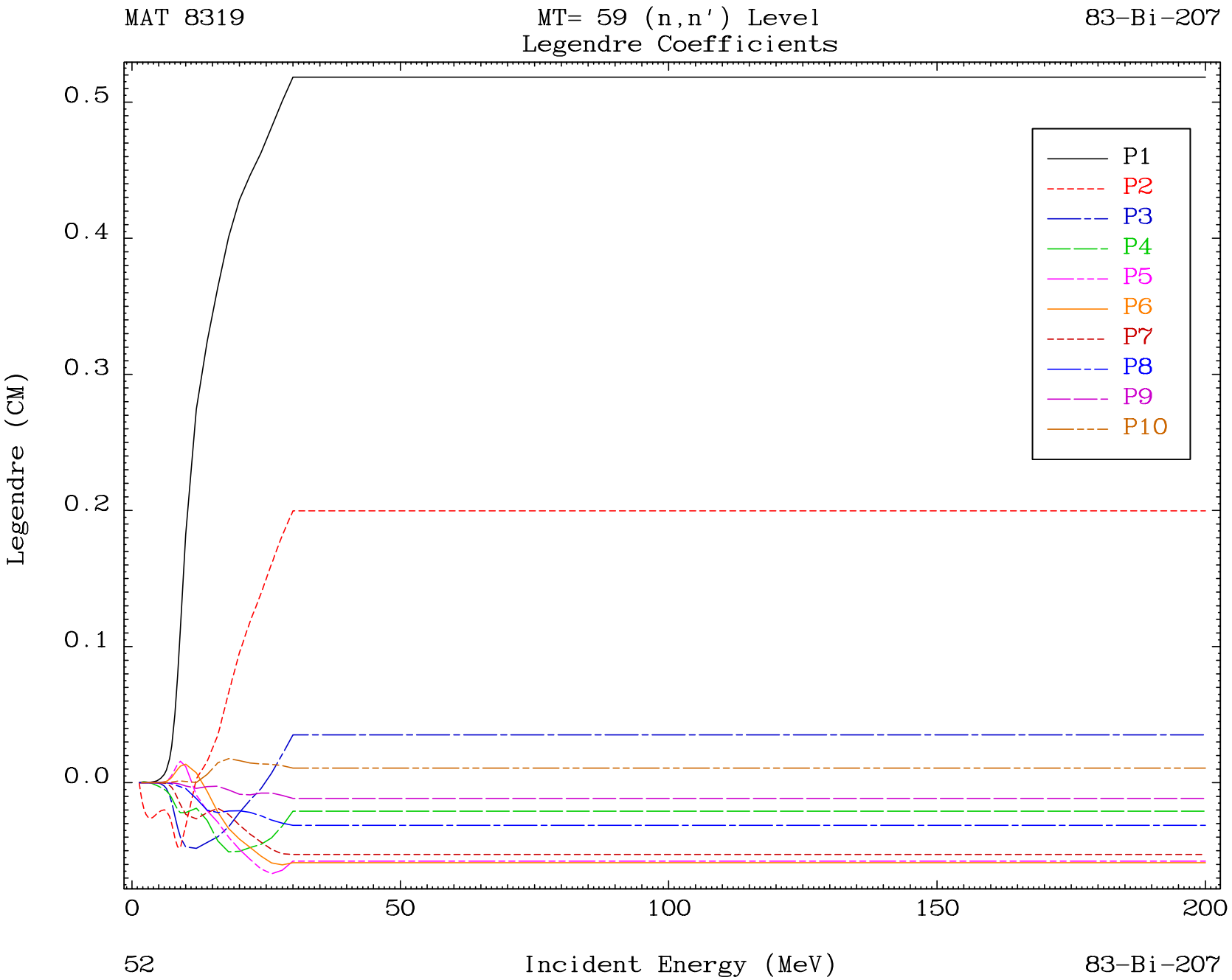

MAT 8319
MT= 57 (n,n') Level
Legendre Coefficients
83-Bi-207
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
83-Bi-207
P28
P29
P30
P31
P32
P33
P34
P35
P36

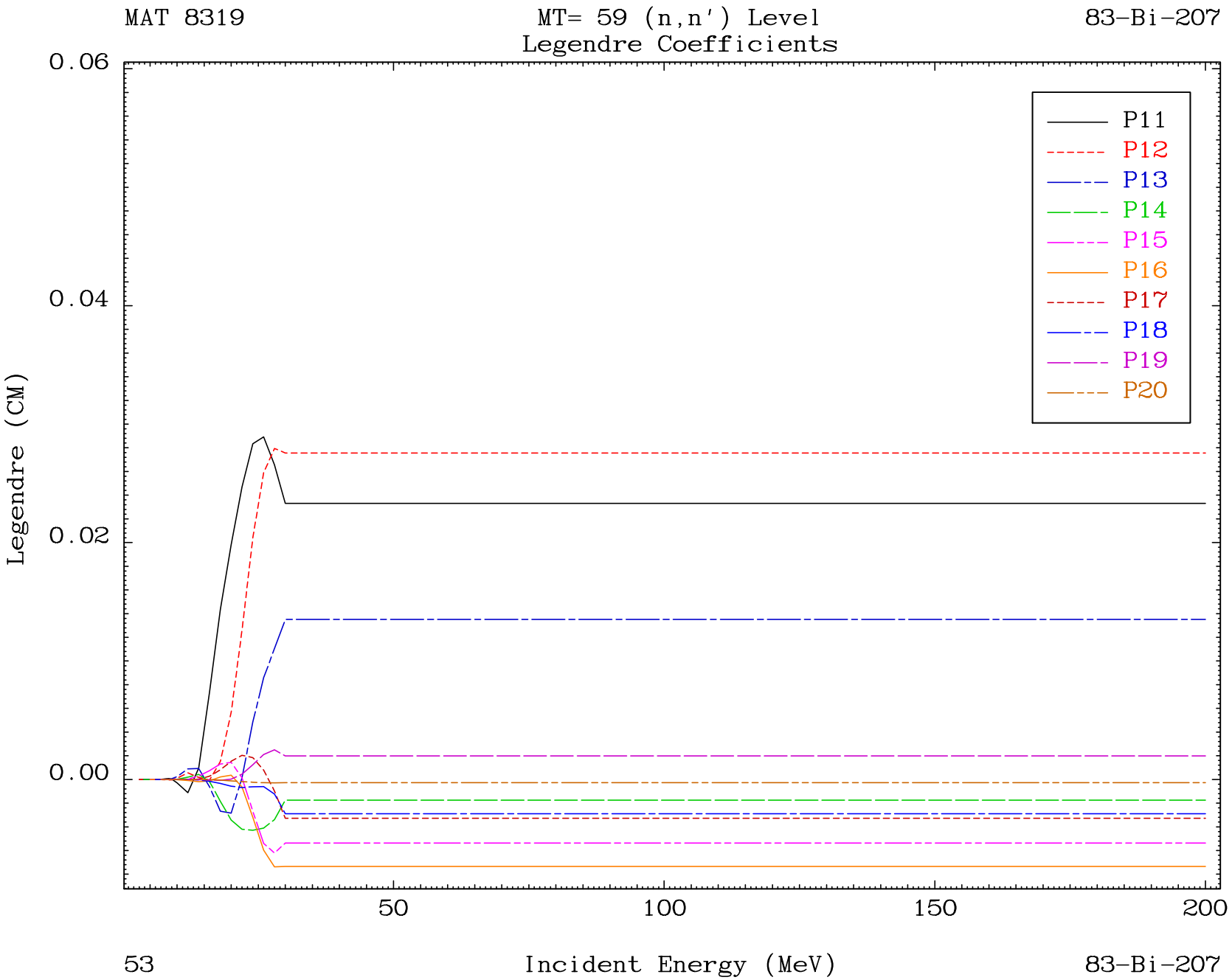

MAT 8319
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
48
Incident Energy (MeV)
83-Bi-207

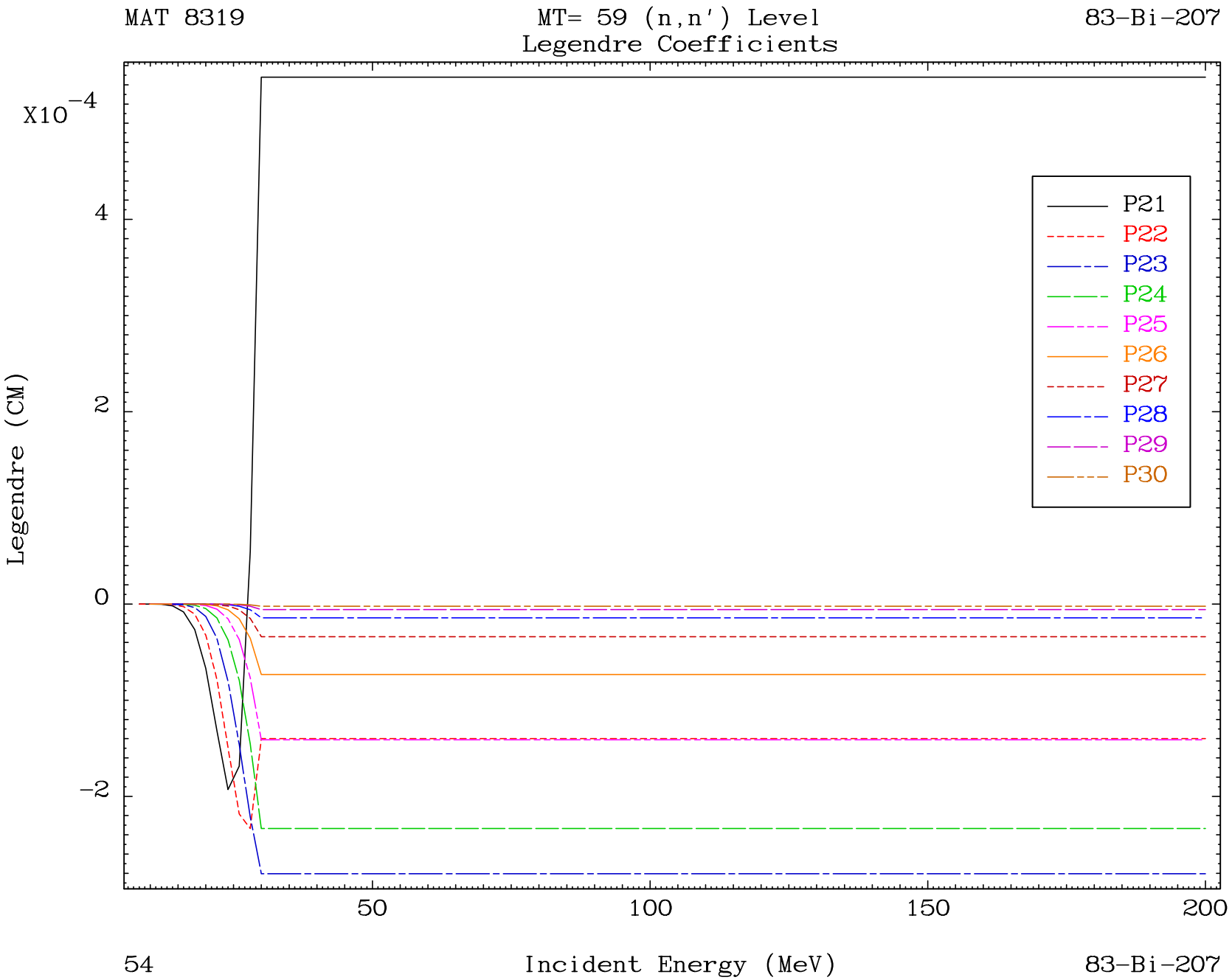

MAT 8319
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
83-Bi-207

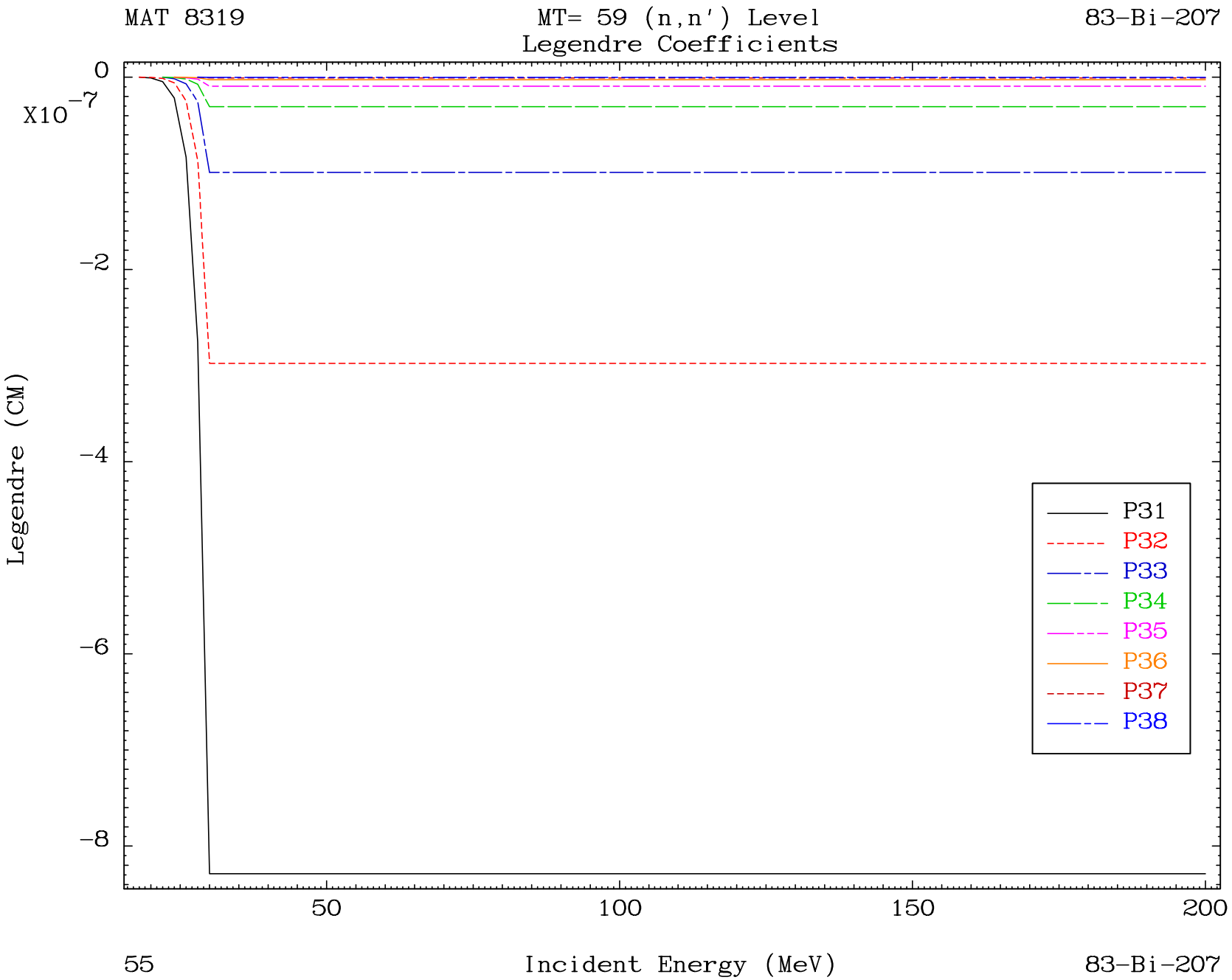

MAT 8319
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
83-Bi-207

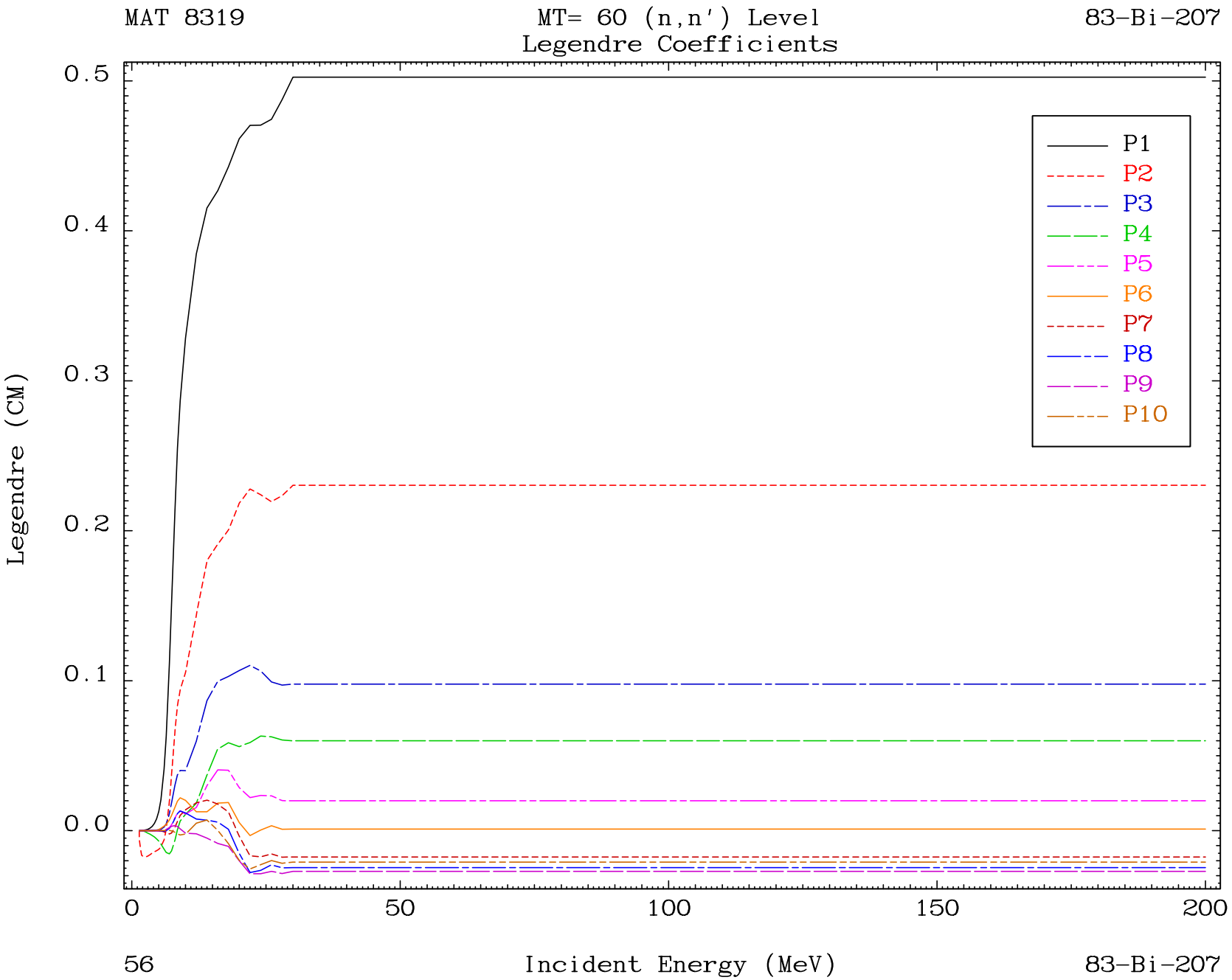

MAT 8319
MT= 58 (n,n') Level
Legendre Coefficients
83-Bi-207
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
51
Incident Energy (MeV)
83-Bi-207

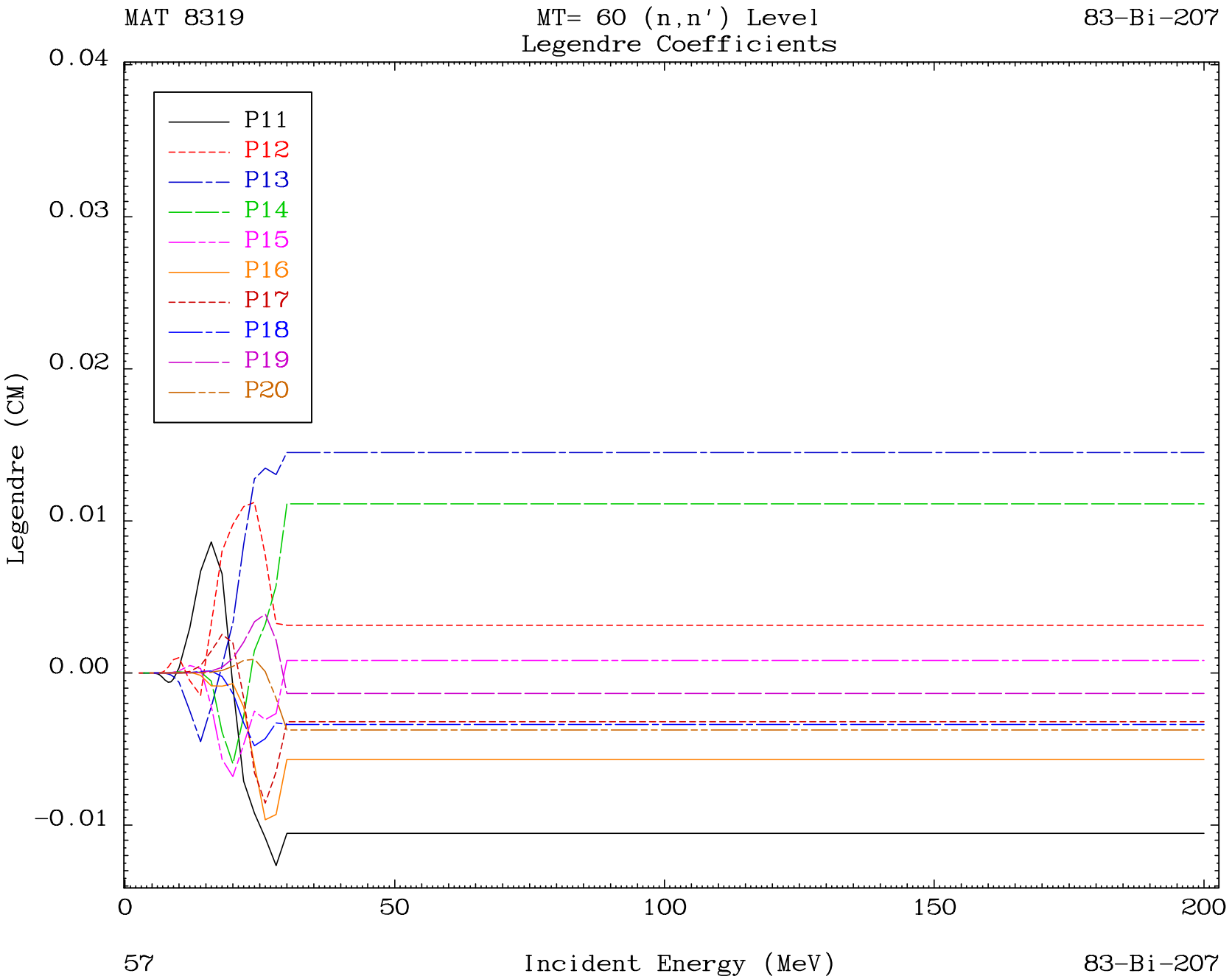

MAT 8319
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
52
Incident Energy (MeV)
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

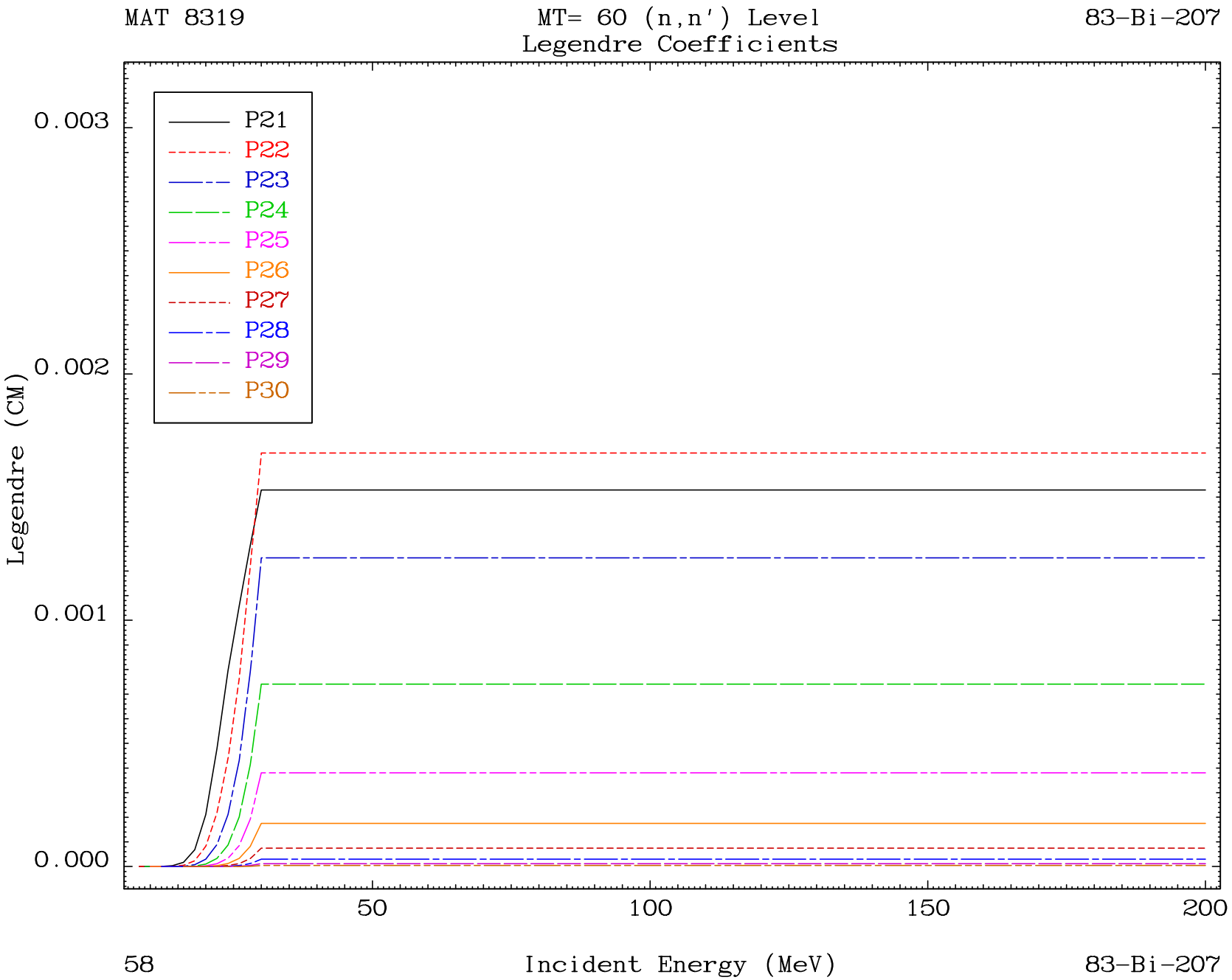

MAT 8319
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-207
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
53
Incident Energy (MeV)
83-Bi-207

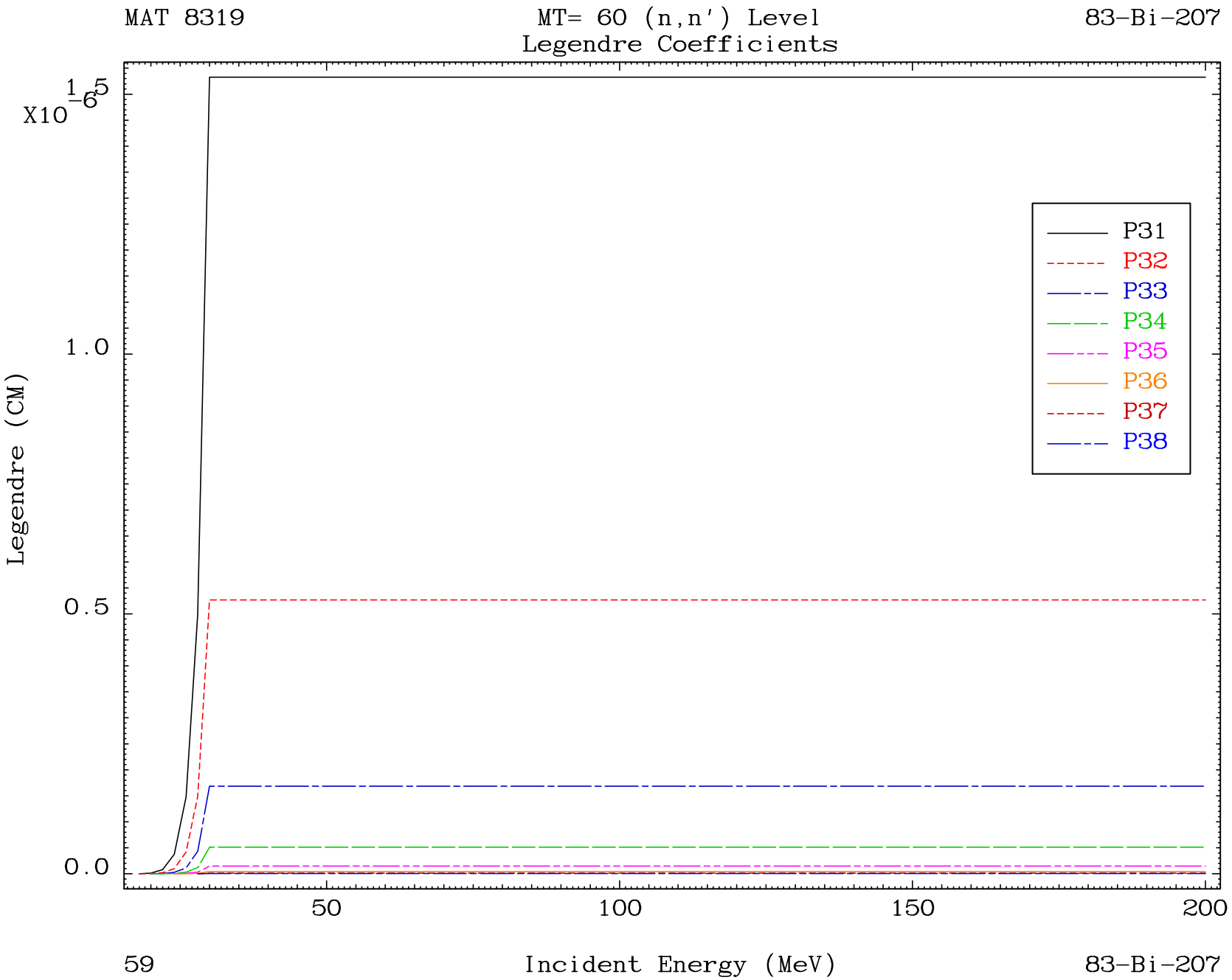

MAT 8319
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
54
Incident Energy (MeV)
83-Bi-207

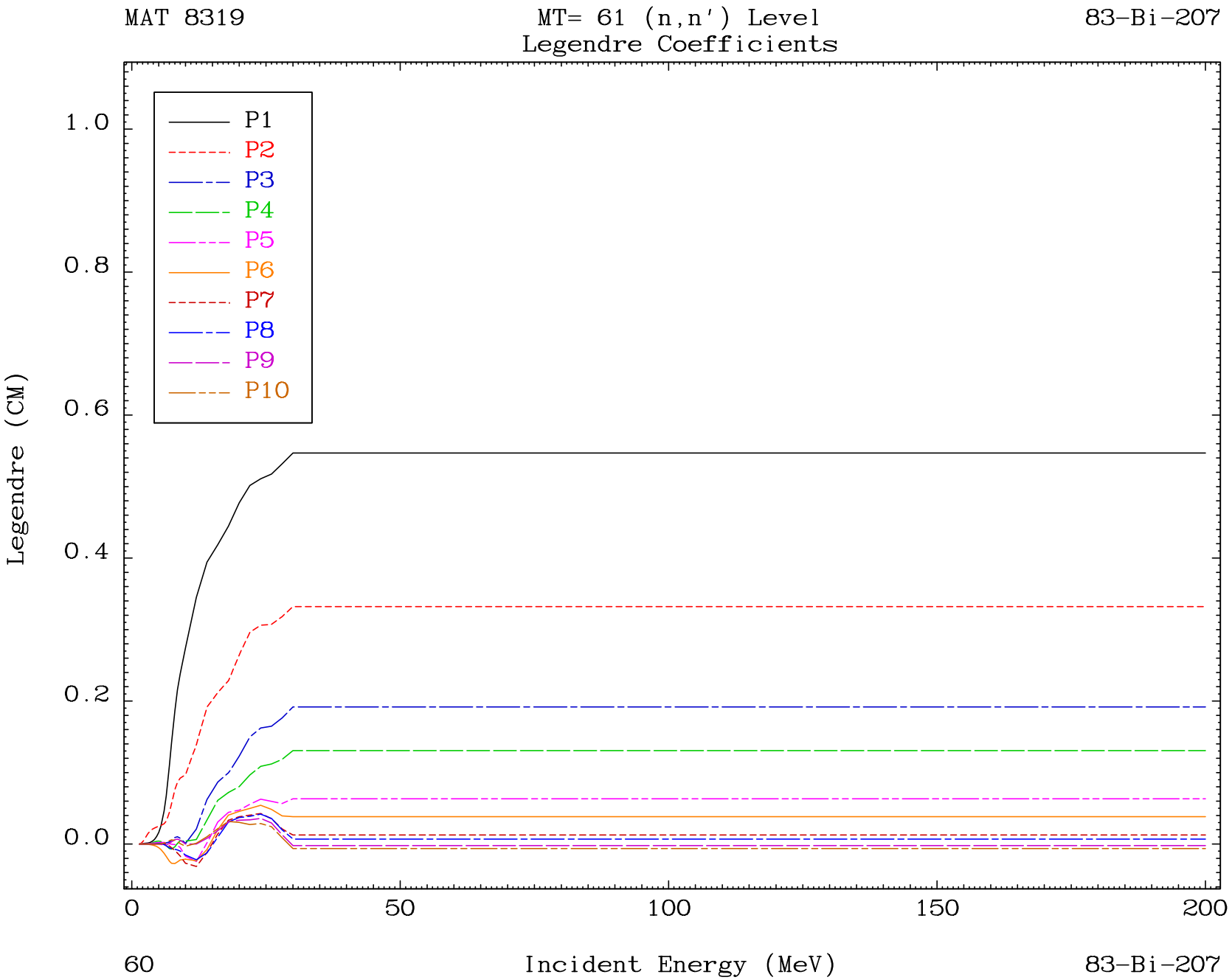

MAT 8319
MT= 59 (n,n') Level
Legendre Coefficients
83-Bi-207
X10-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
55
Incident Energy (MeV)
83-Bi-207
P31
P32
P33
P34
P35
P36
P37
P38

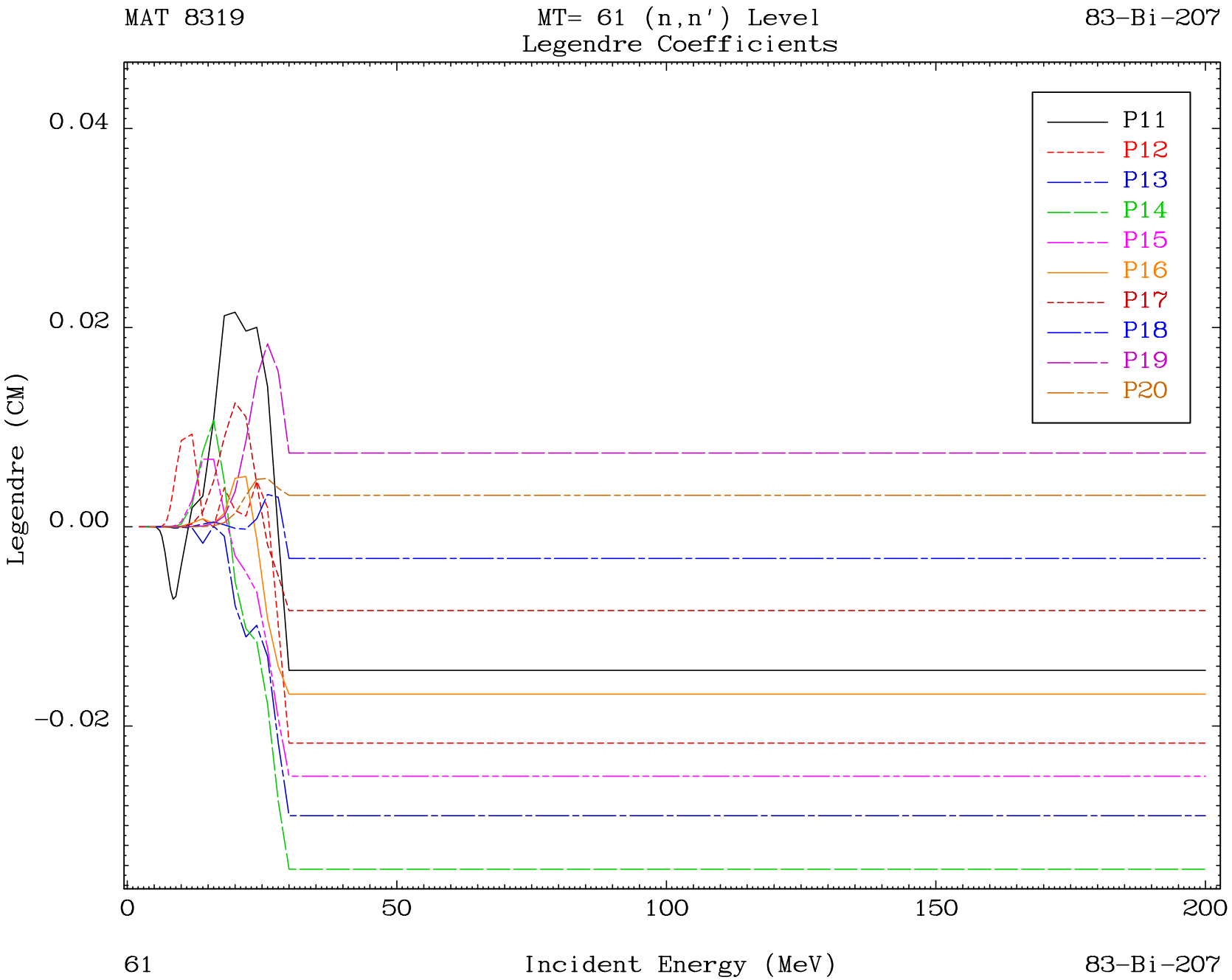

MAT 8319
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
56
Incident Energy (MeV)
83-Bi-207

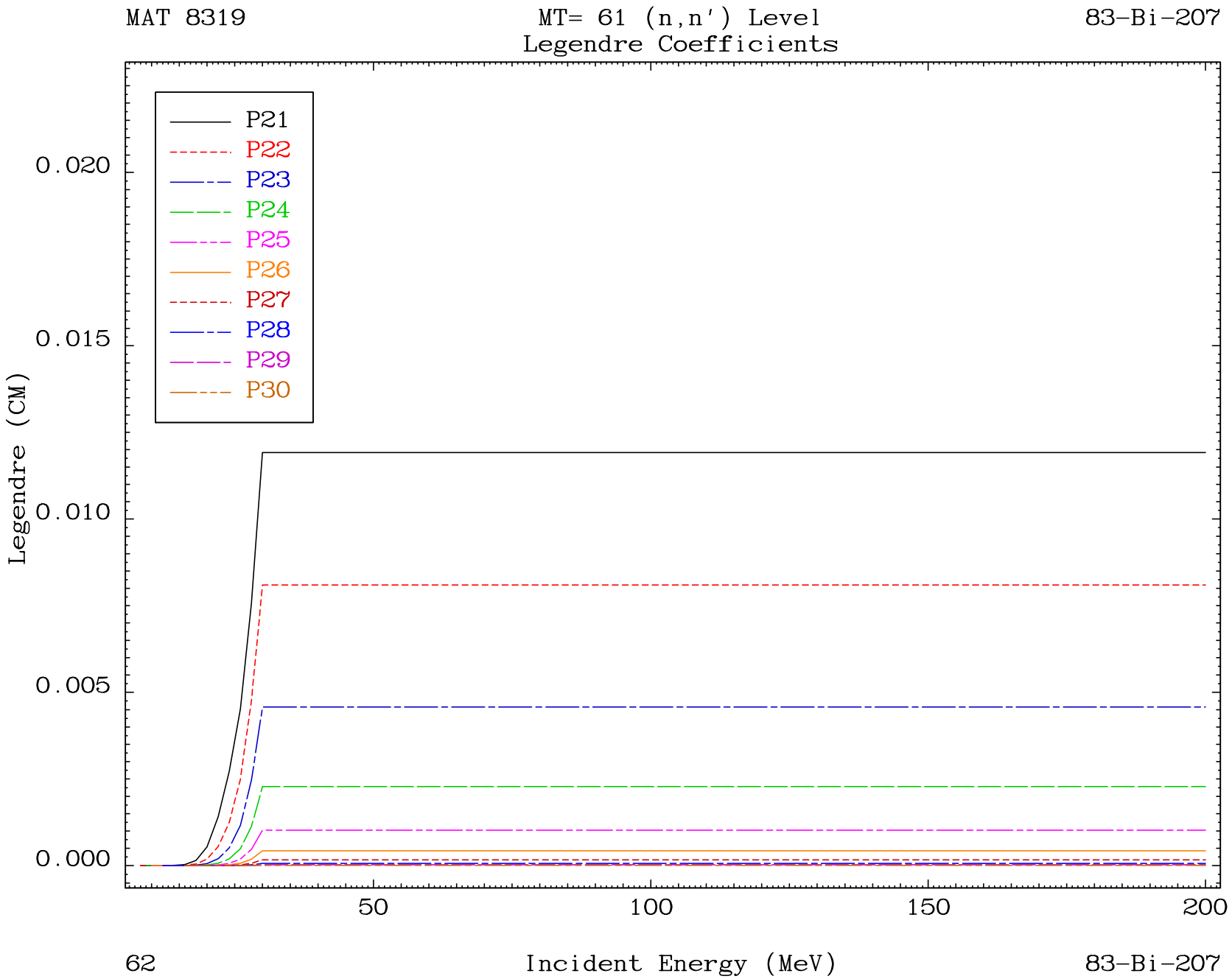

MAT 8319
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
83-Bi-207

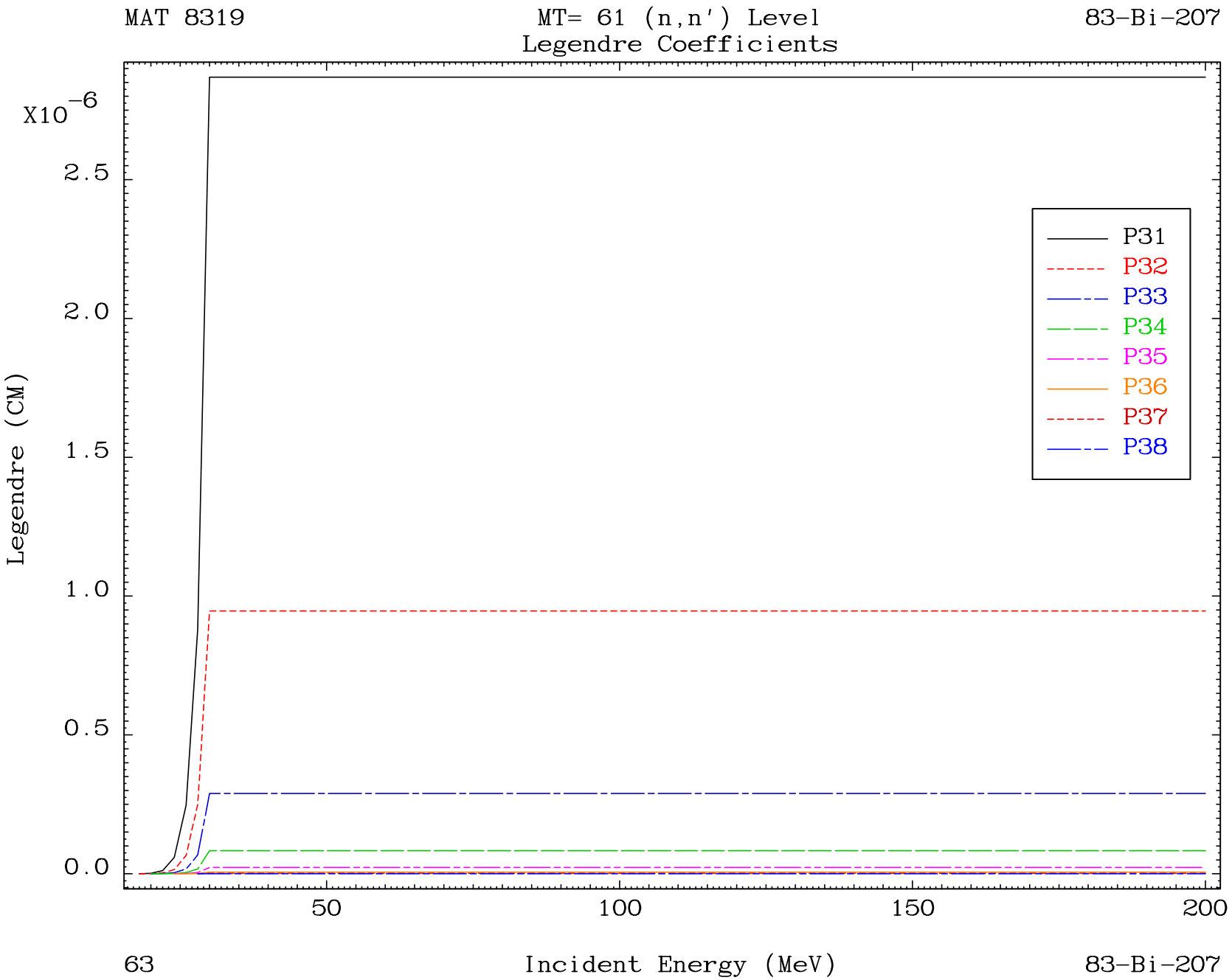

MAT 8319
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
83-Bi-207

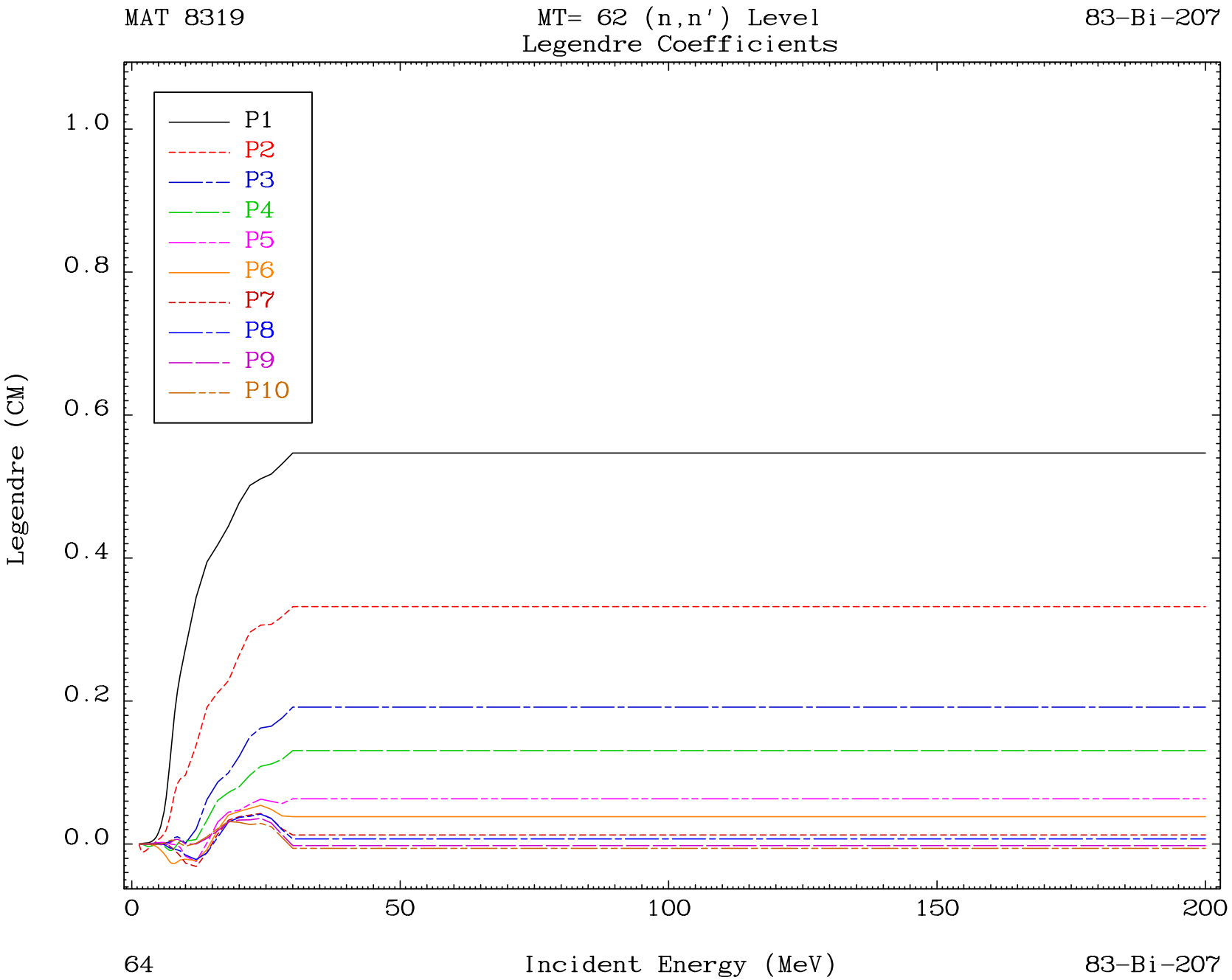

MAT 8319
MT= 60 (n,n') Level
Legendre Coefficients
83-Bi-207
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
59
Incident Energy (MeV)
83-Bi-207

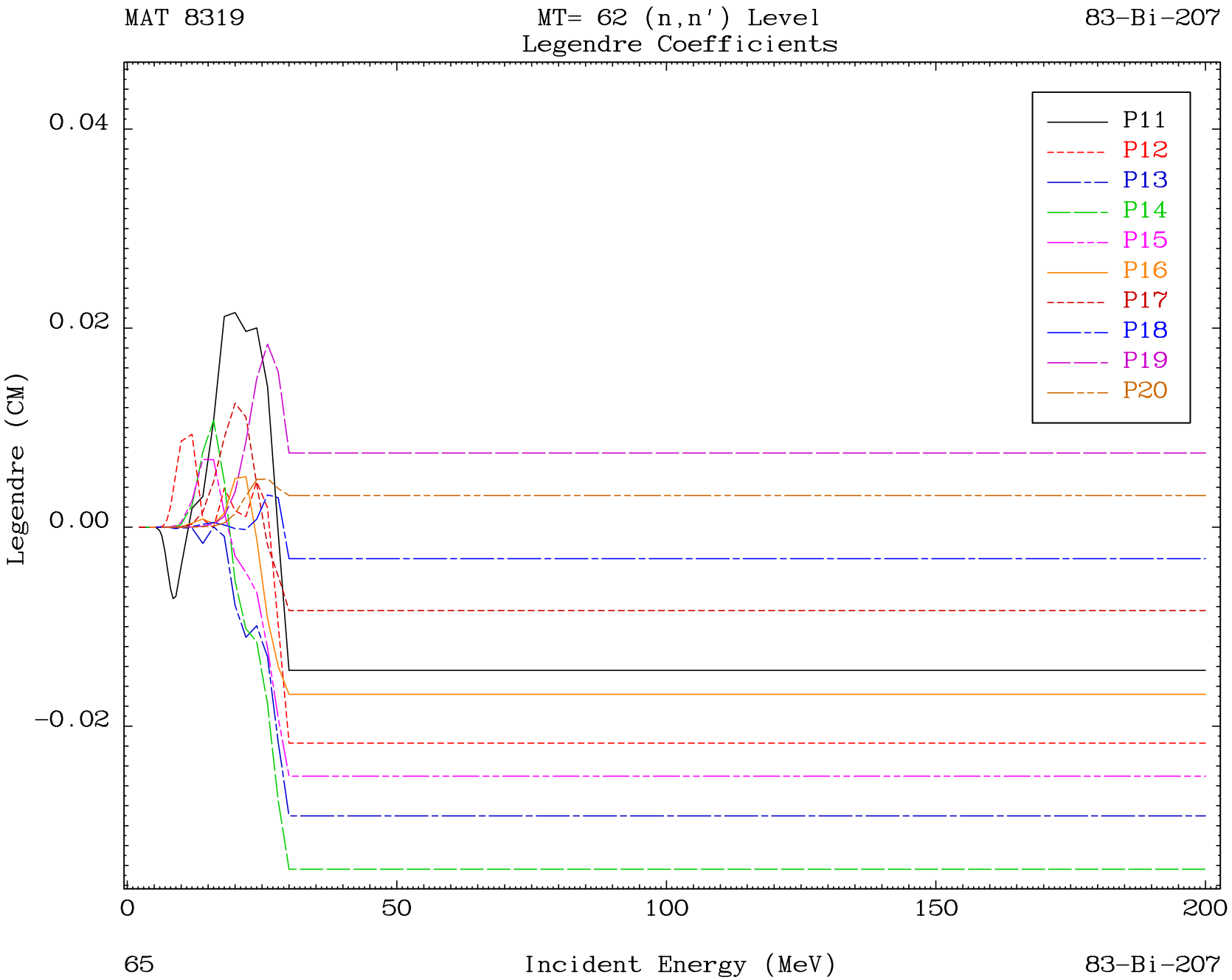

MAT 8319
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
60
Incident Energy (MeV)
83-Bi-207

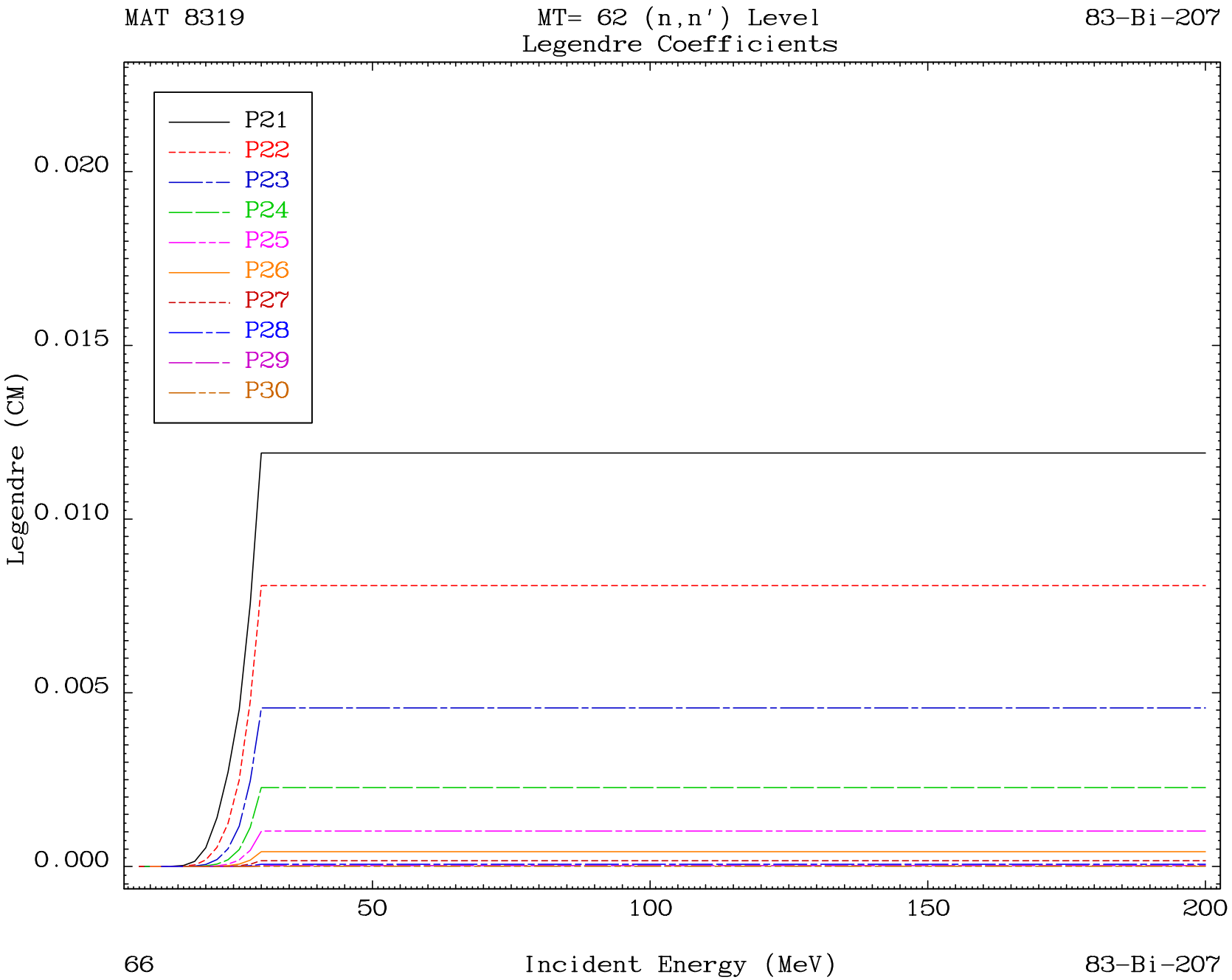

MAT 8319
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
83-Bi-207

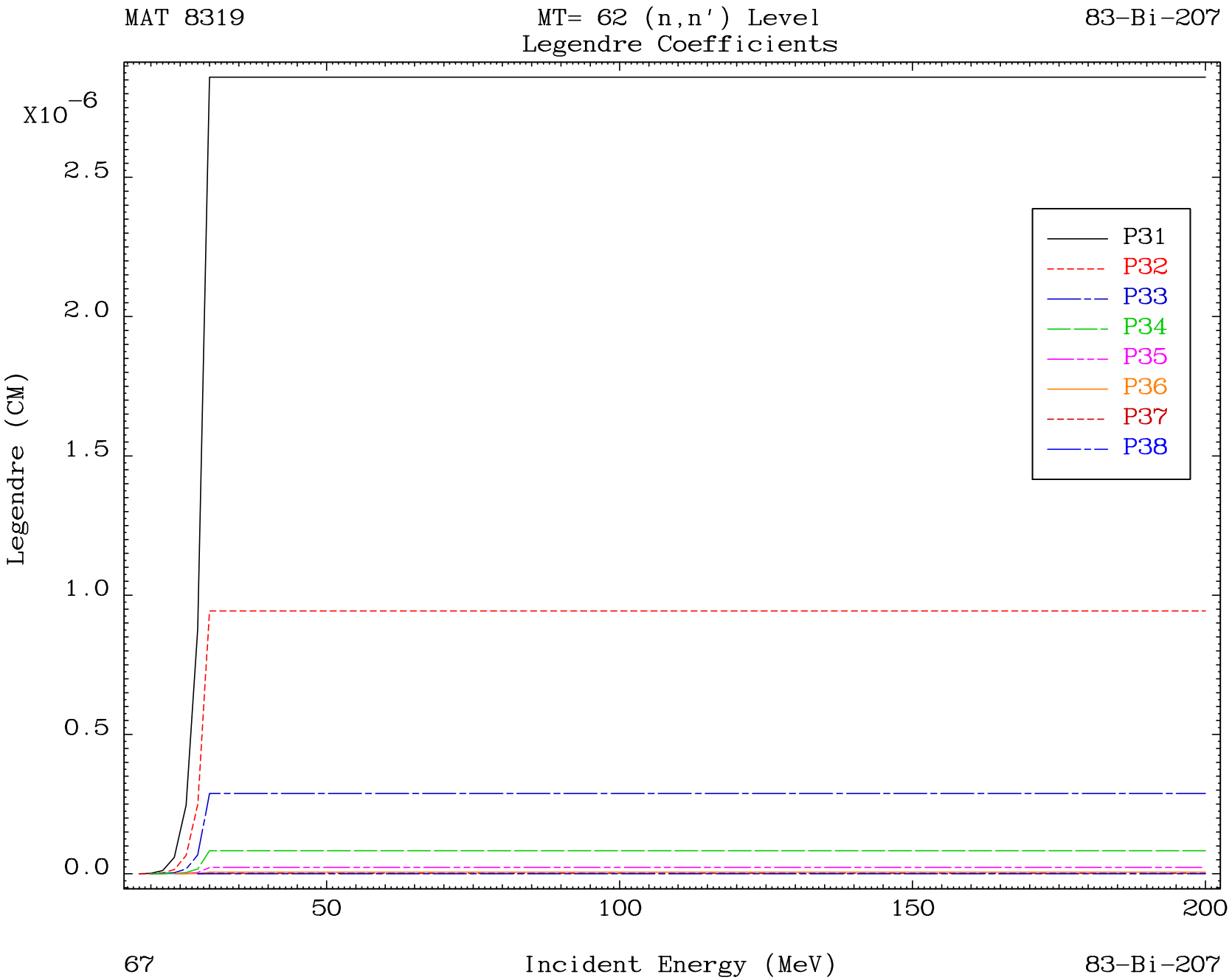

MAT 8319
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
83-Bi-207

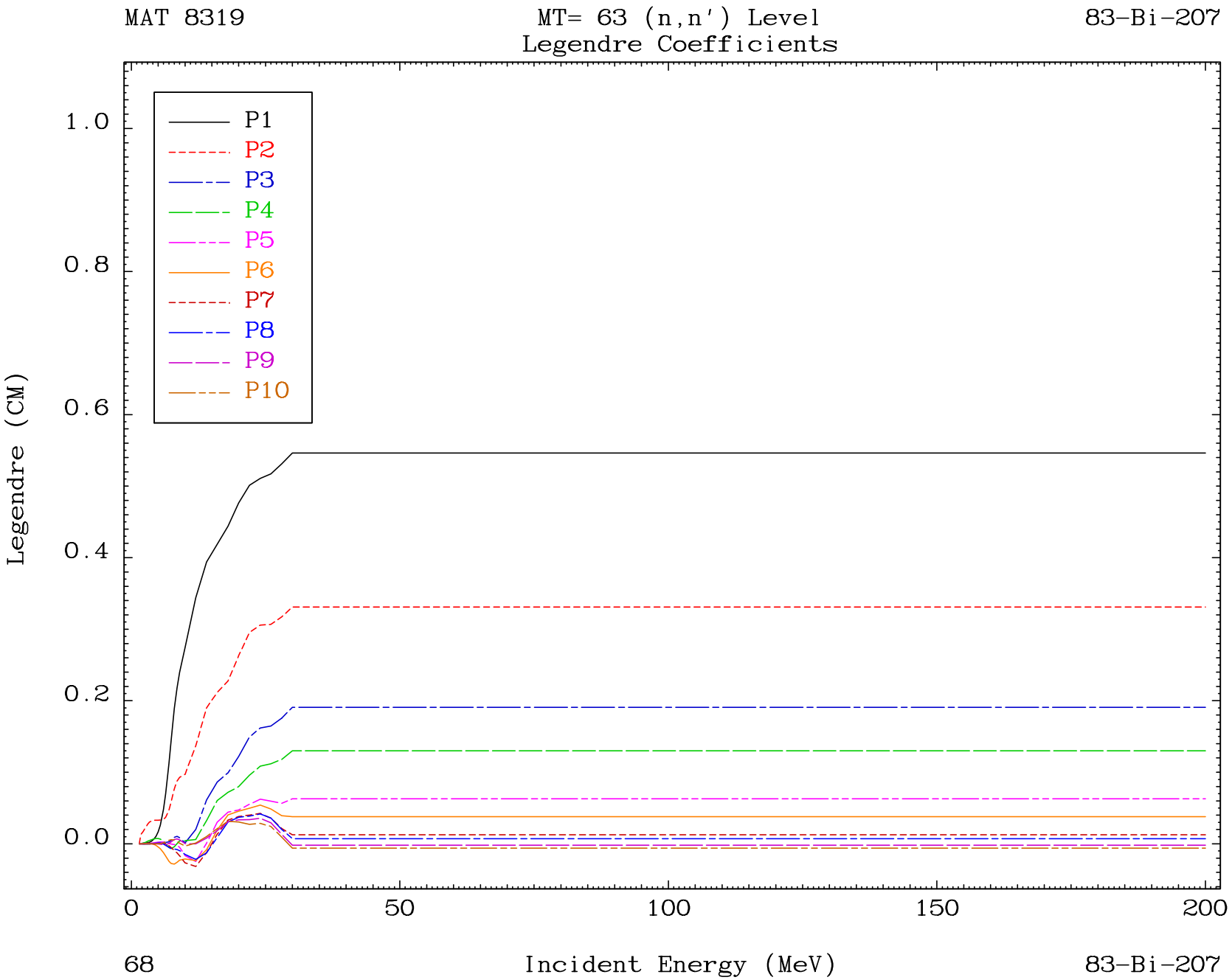

MAT 8319
MT= 61 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
63
Incident Energy (MeV)
83-Bi-207

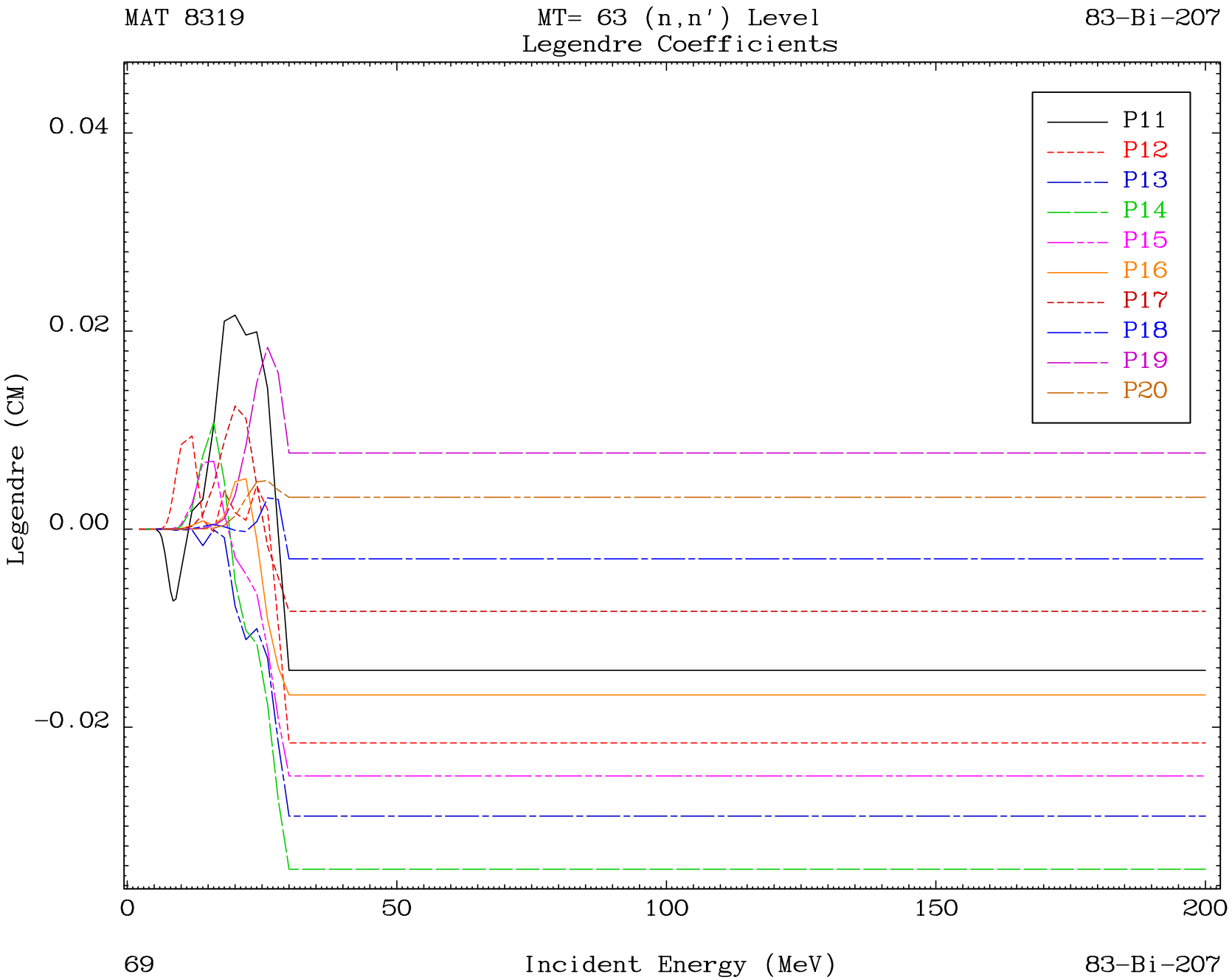

MAT 8319
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
64
Incident Energy (MeV)
83-Bi-207

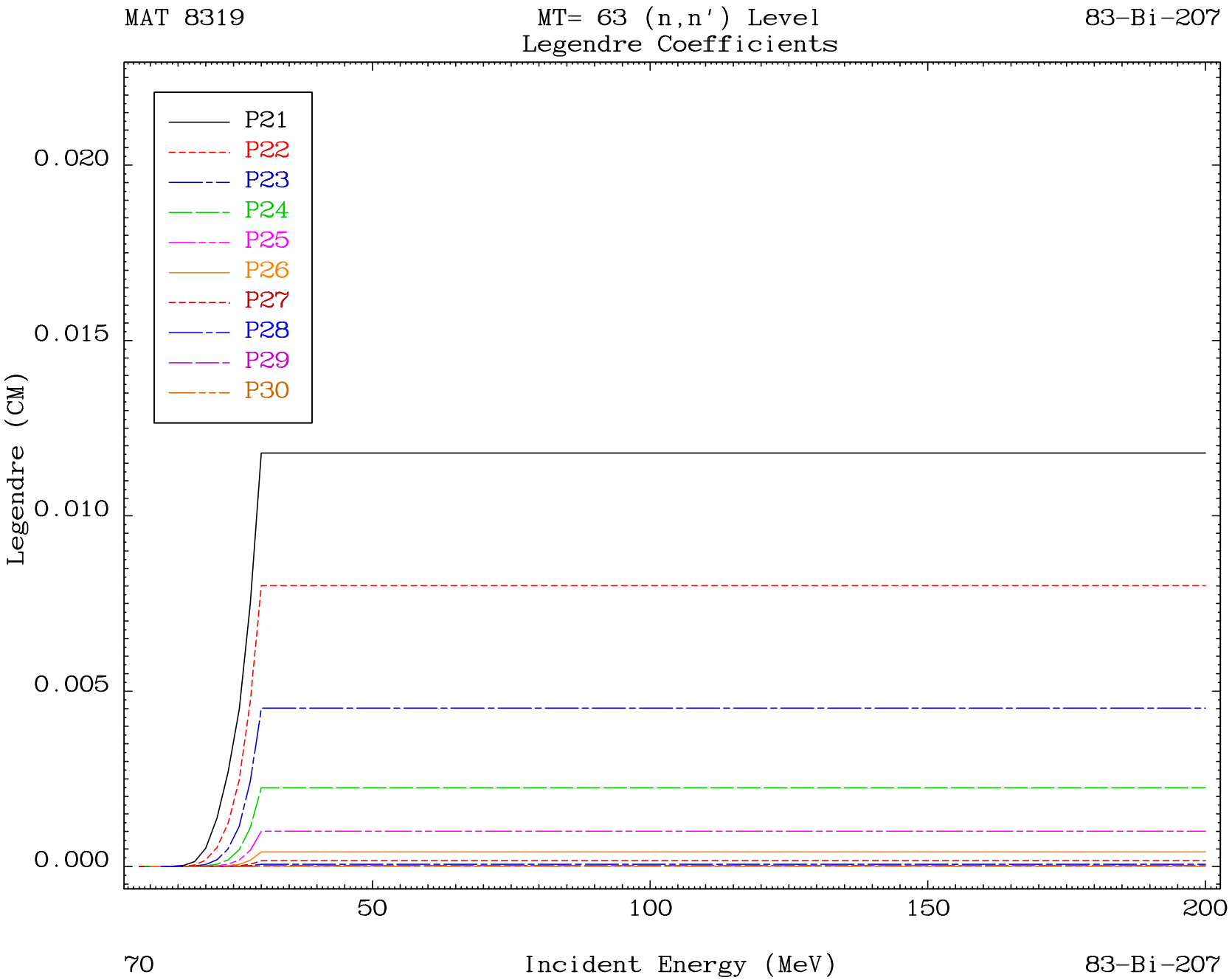

MAT 8319
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-207
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
65
Incident Energy (MeV)
83-Bi-207

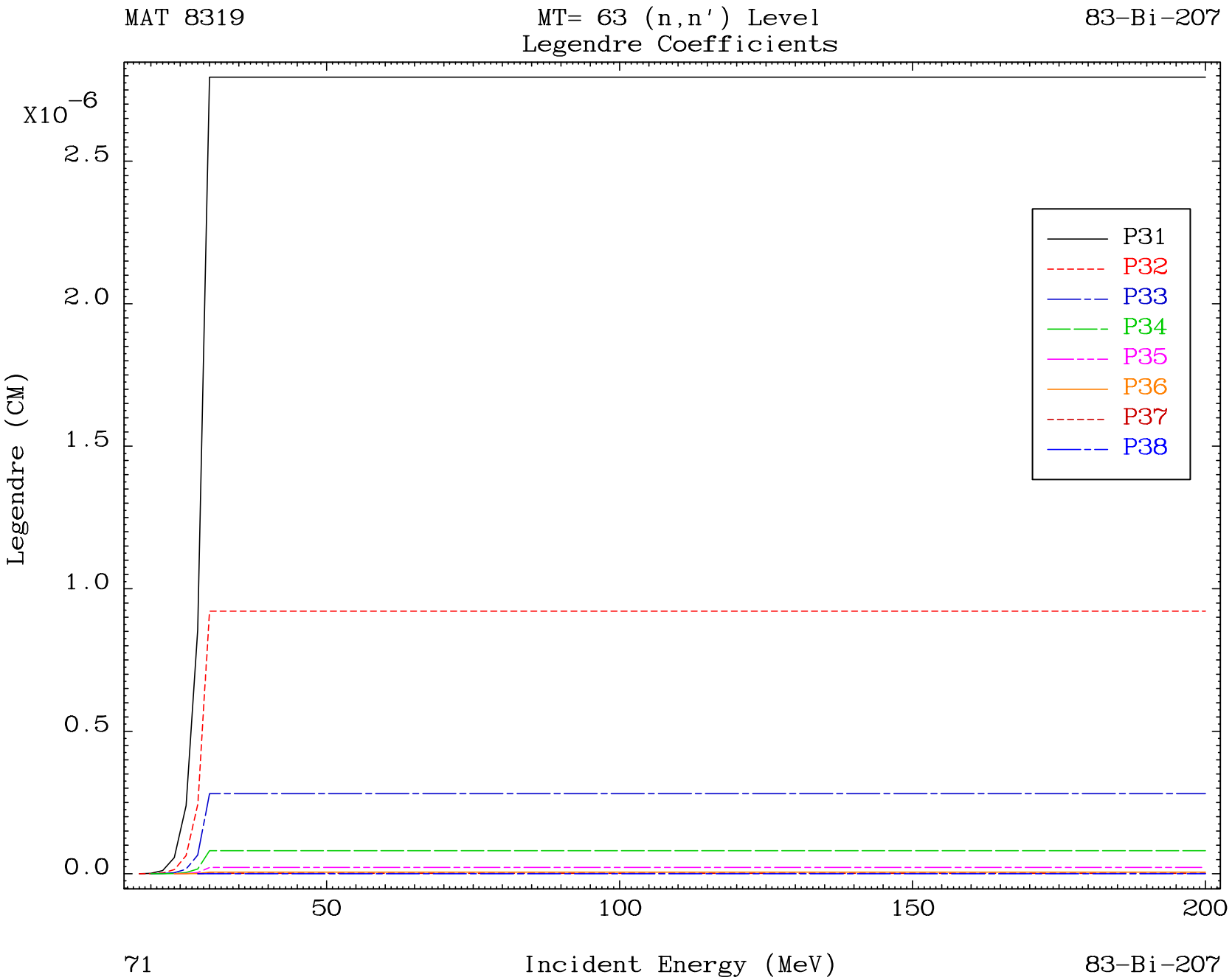

MAT 8319
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
83-Bi-207

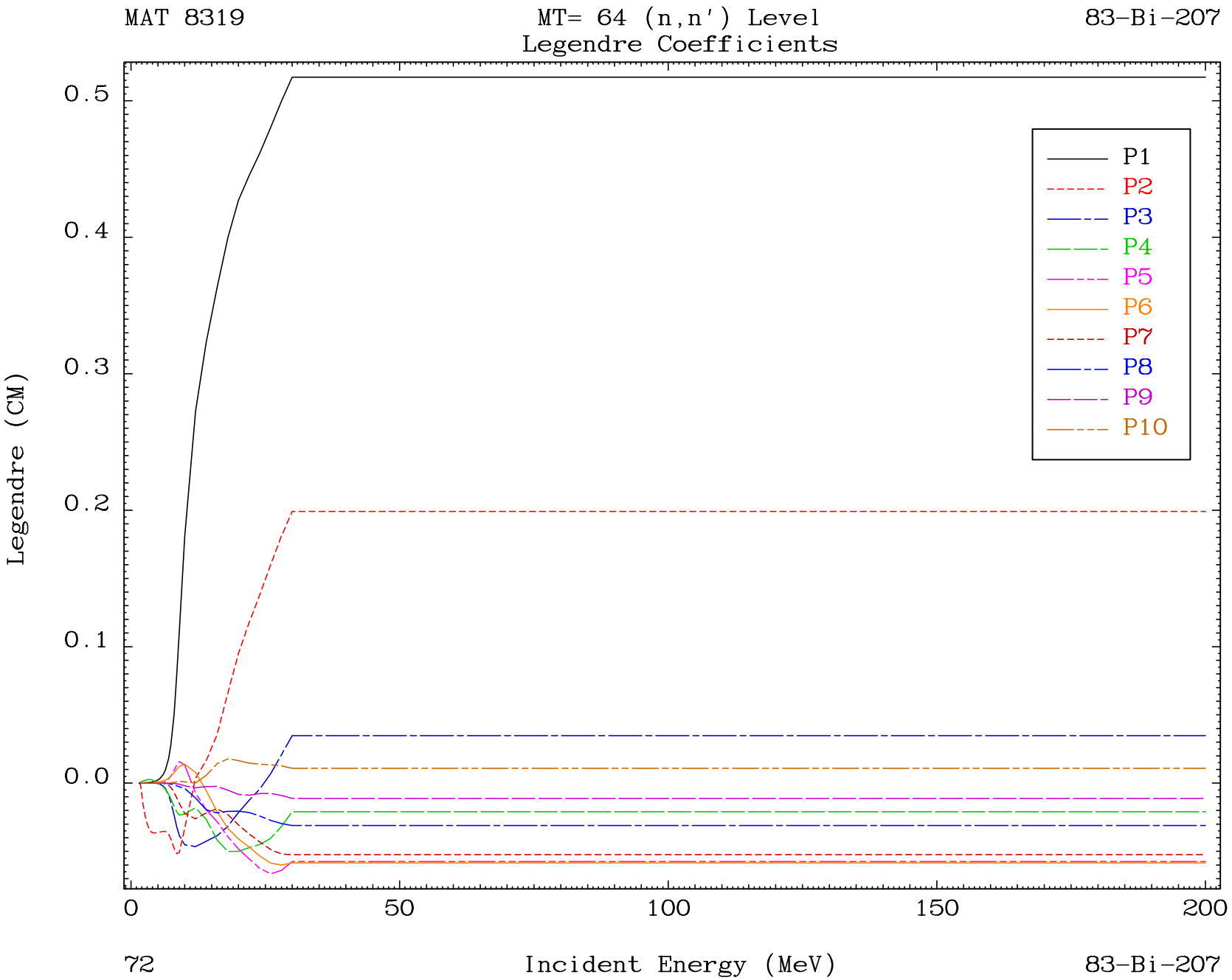

MAT 8319
MT= 62 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
67
Incident Energy (MeV)
83-Bi-207

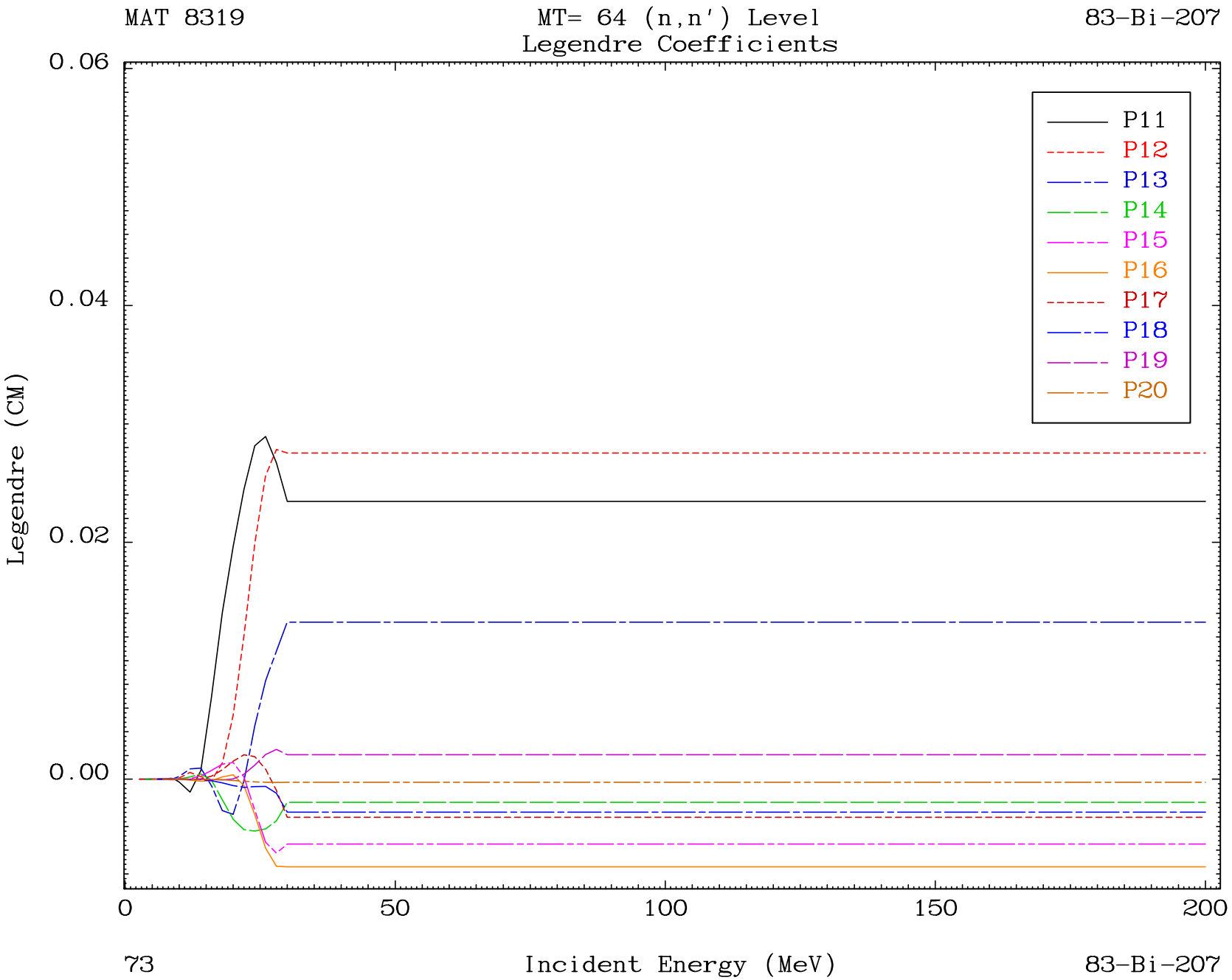

MAT 8319
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
68
Incident Energy (MeV)
83-Bi-207

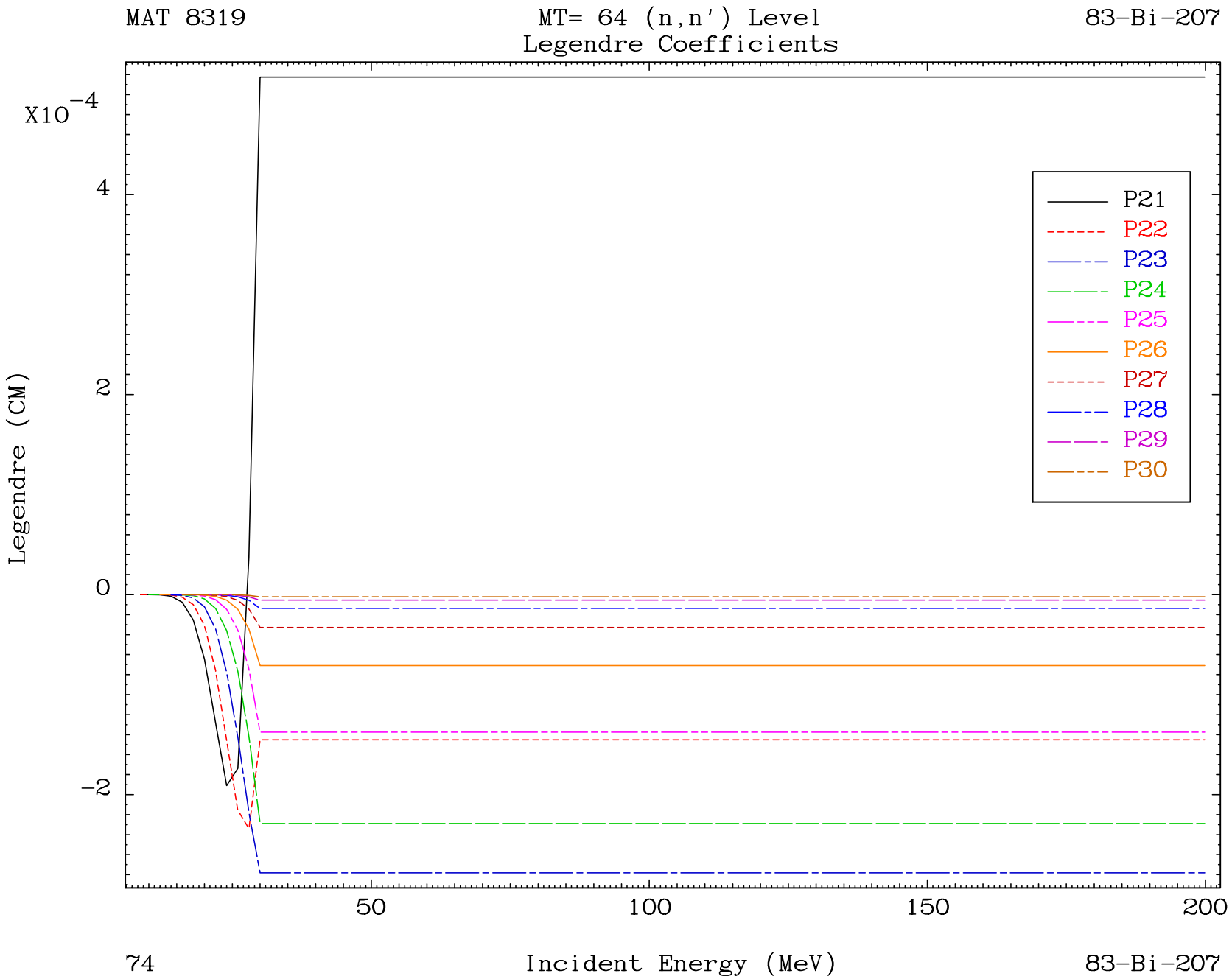

MAT 8319
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
83-Bi-207

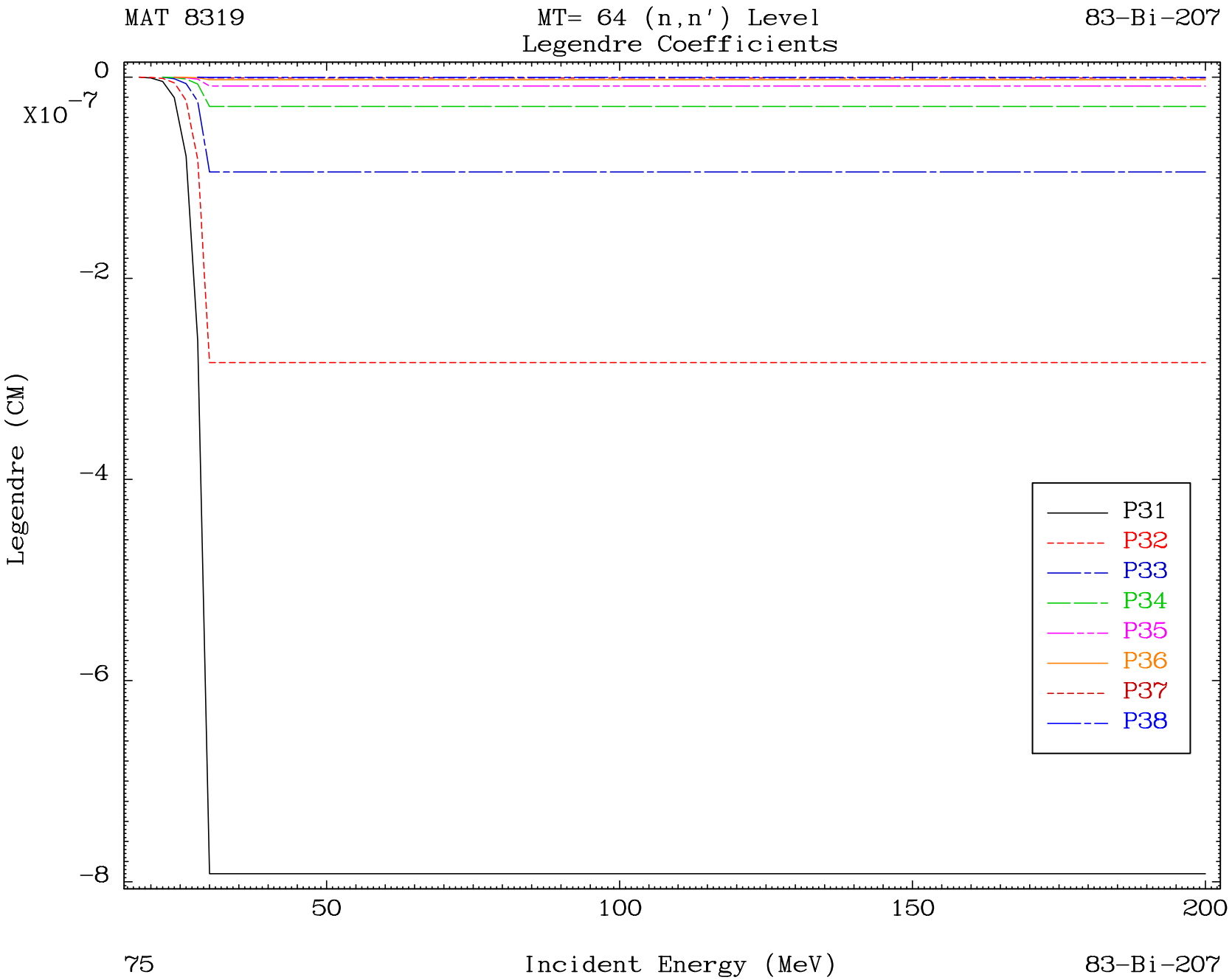

MAT 8319
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
83-Bi-207

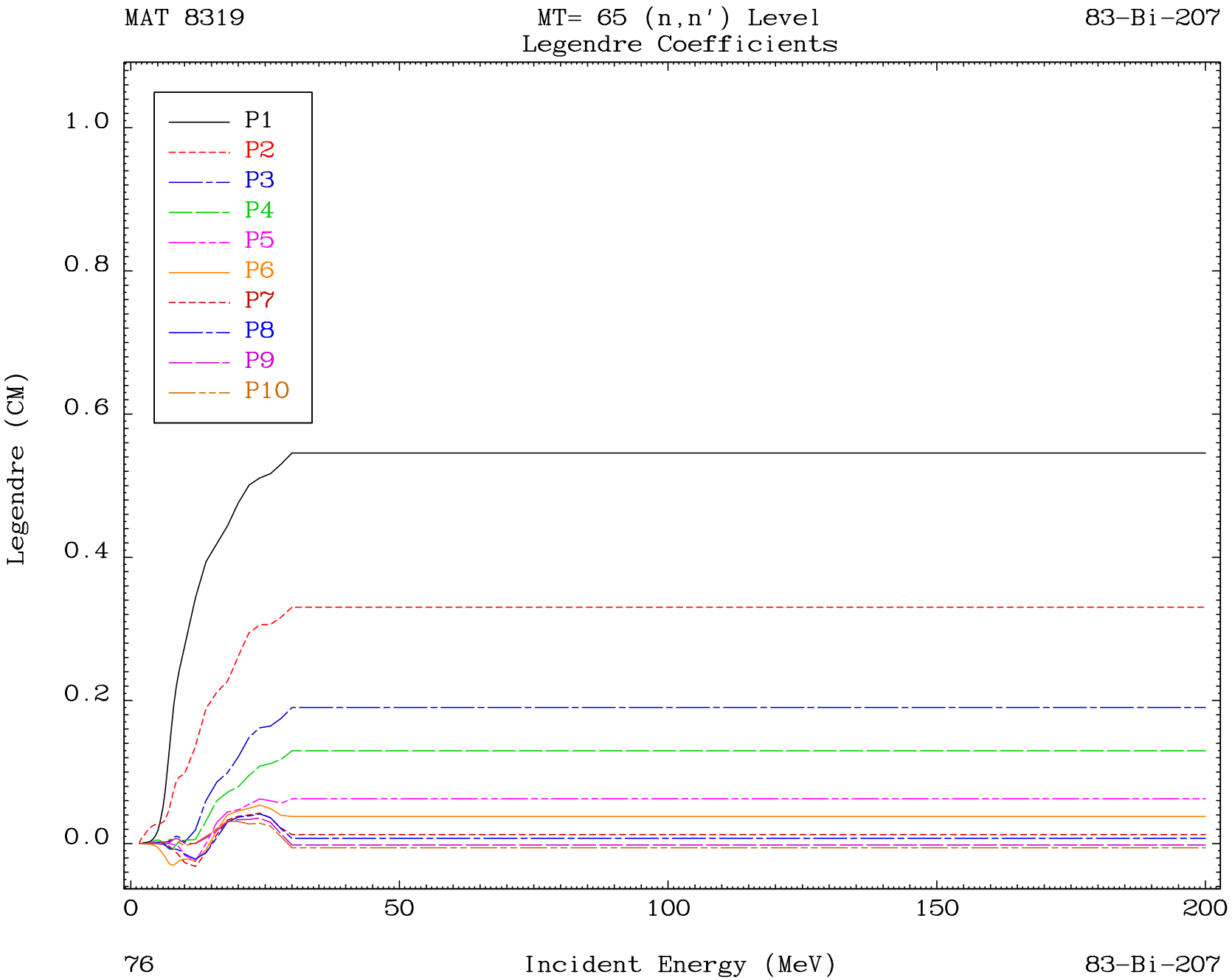

MAT 8319
MT= 63 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 −6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
71
Incident Energy (MeV)
83-Bi-207

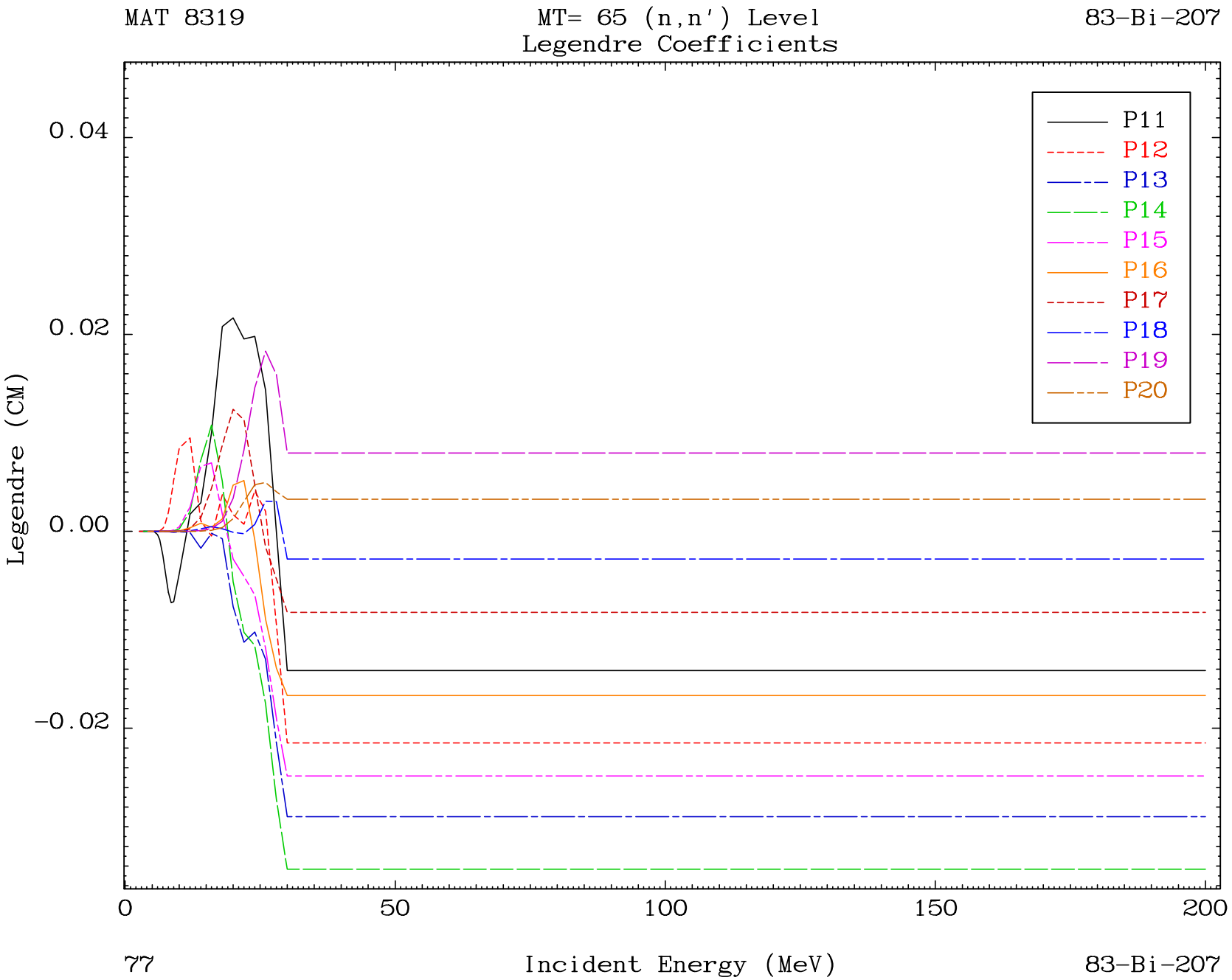

MAT 8319
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
72
Incident Energy (MeV)
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

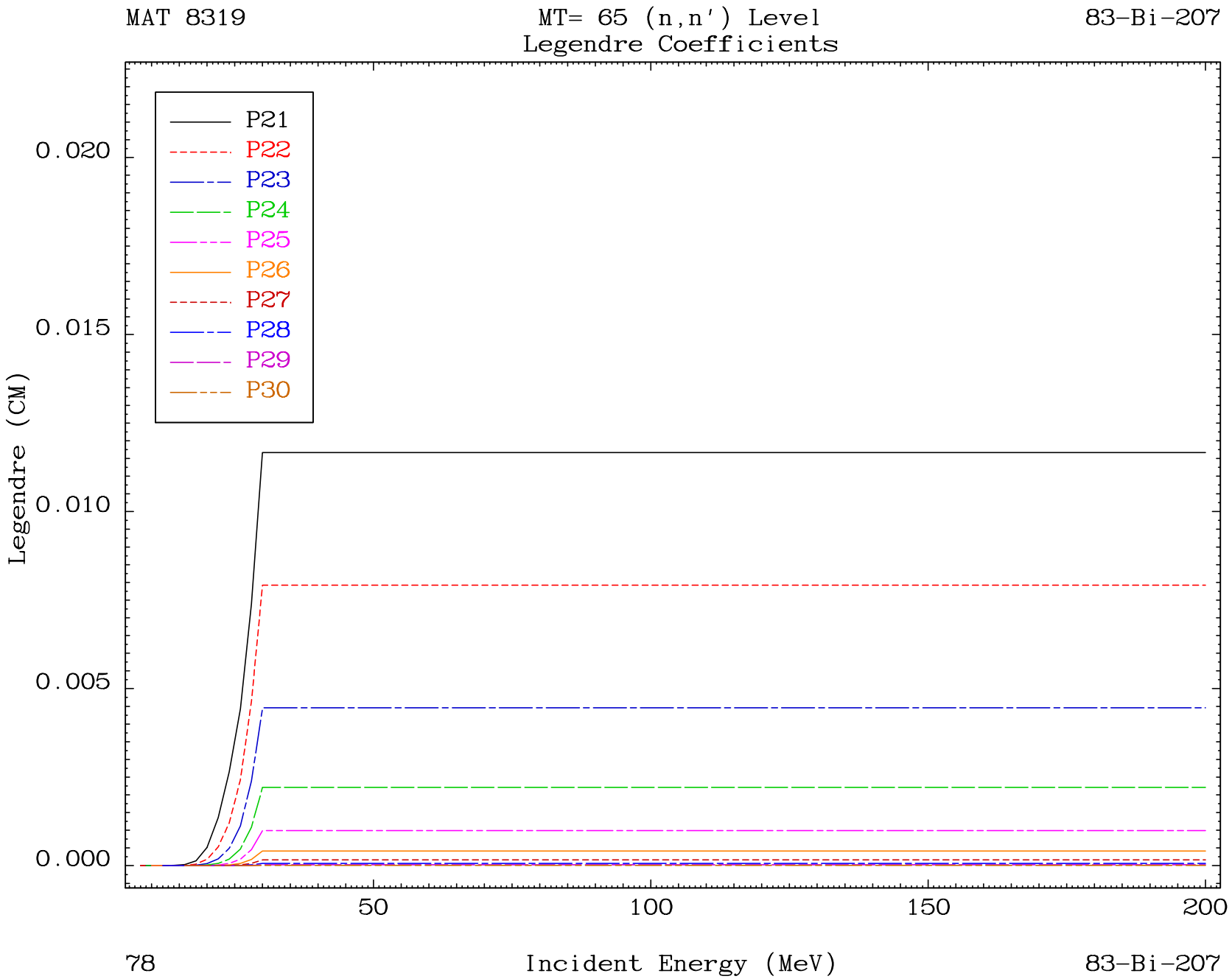

MAT 8319
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-207
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
73
Incident Energy (MeV)
83-Bi-207

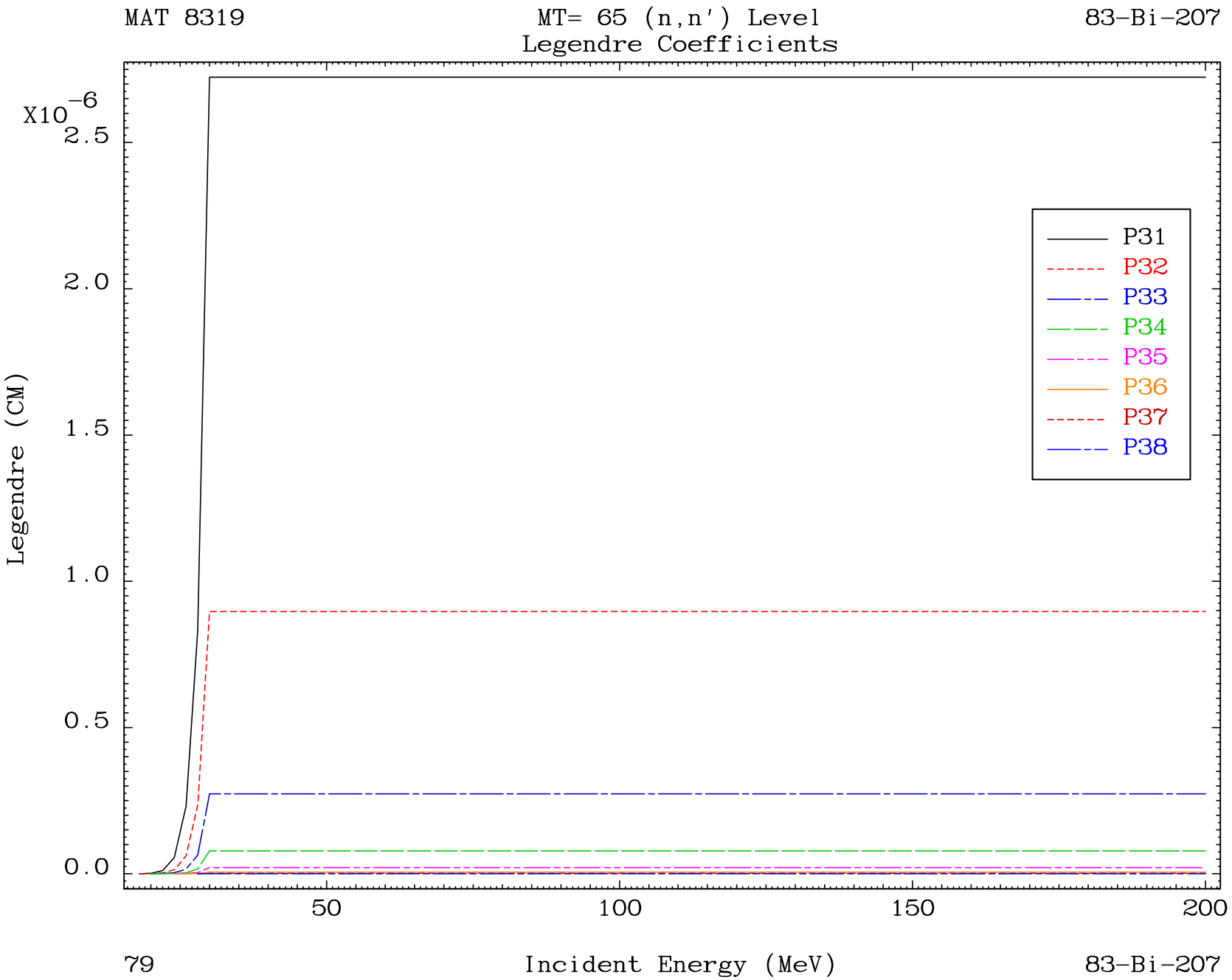

MAT 8319
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
74
Incident Energy (MeV)
83-Bi-207

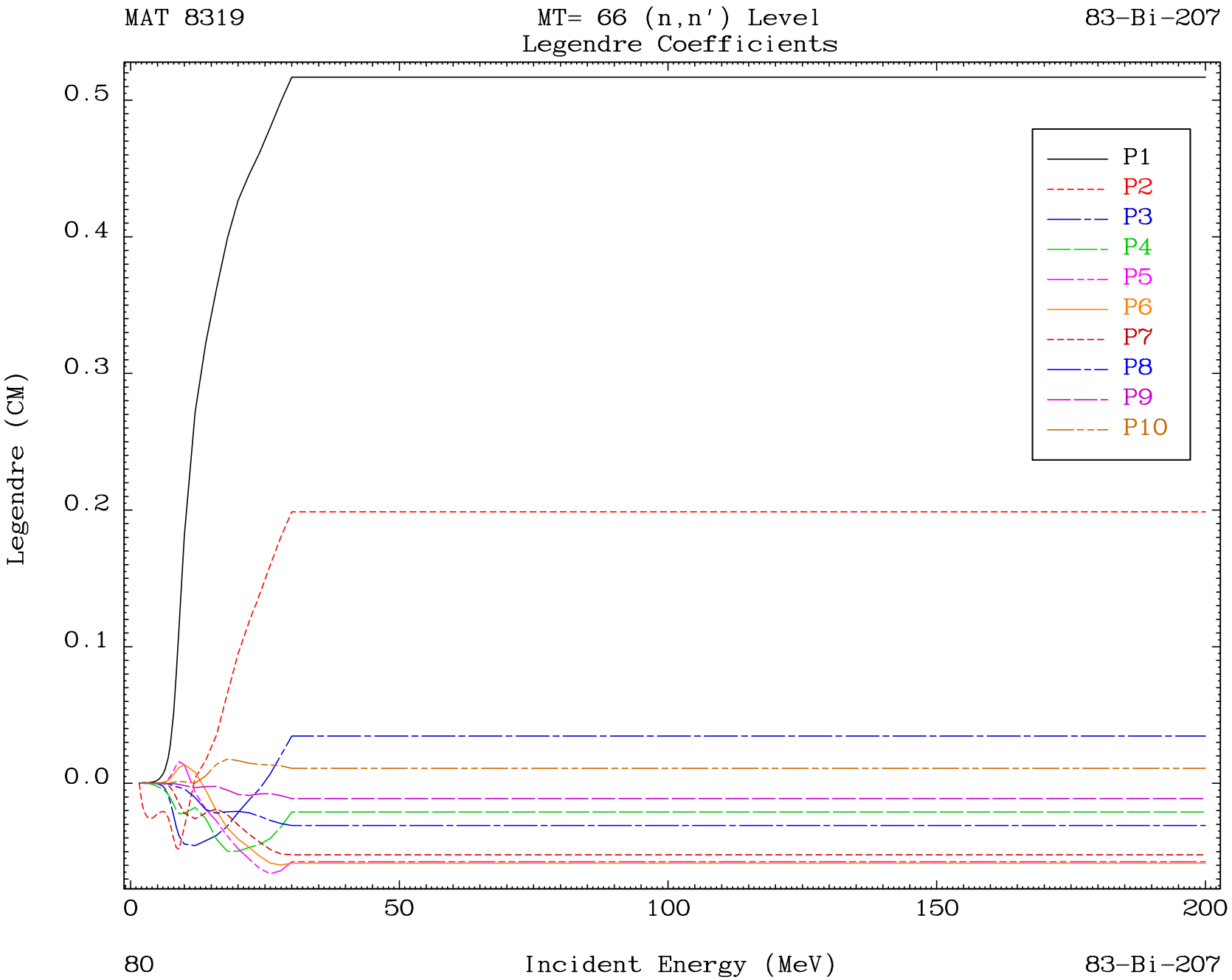

MAT 8319
MT= 64 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-7
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
83-Bi-207
P31
P32
P33
P34
P35
P36
P37
P38

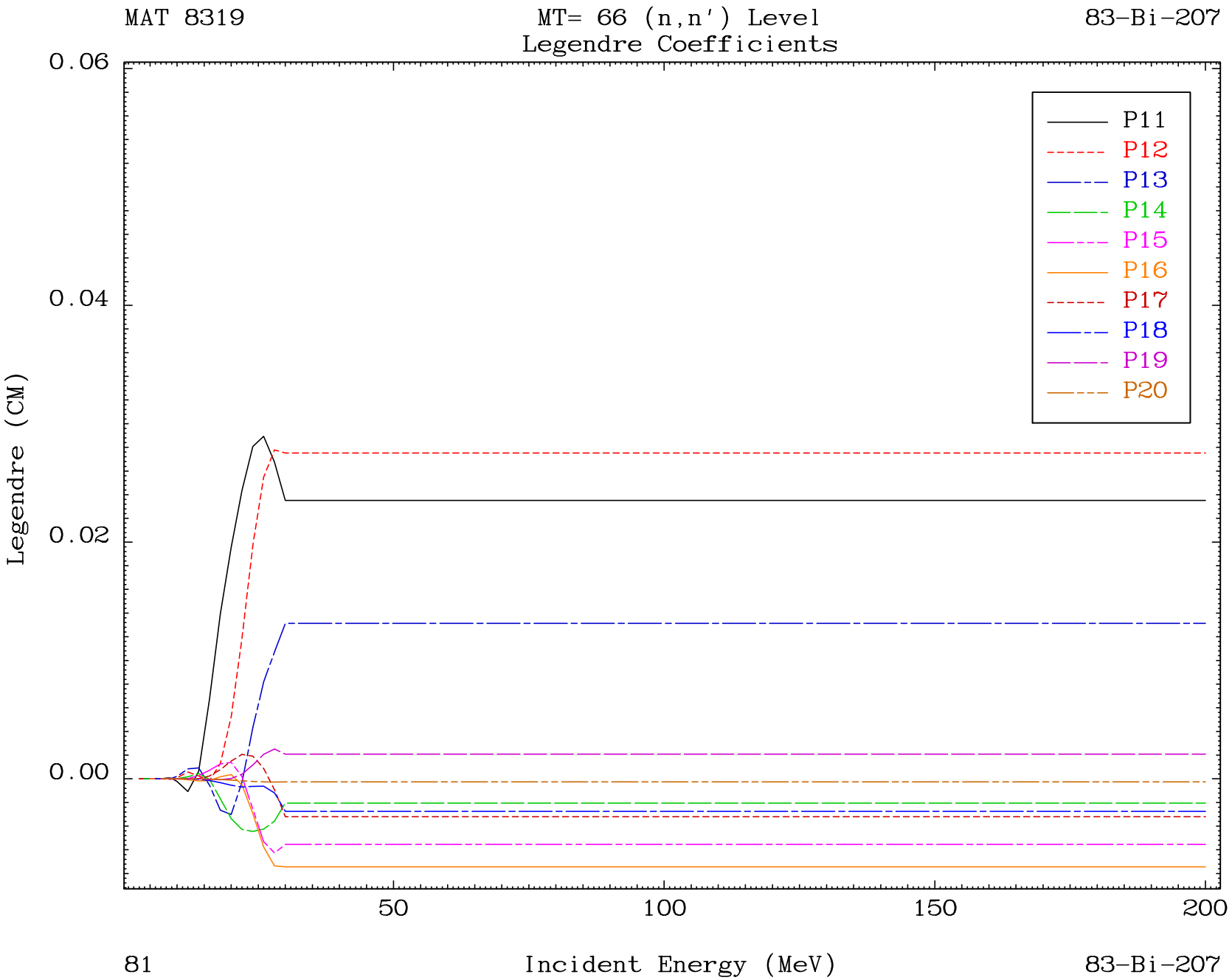

MAT 8319
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
76
Incident Energy (MeV)
83-Bi-207

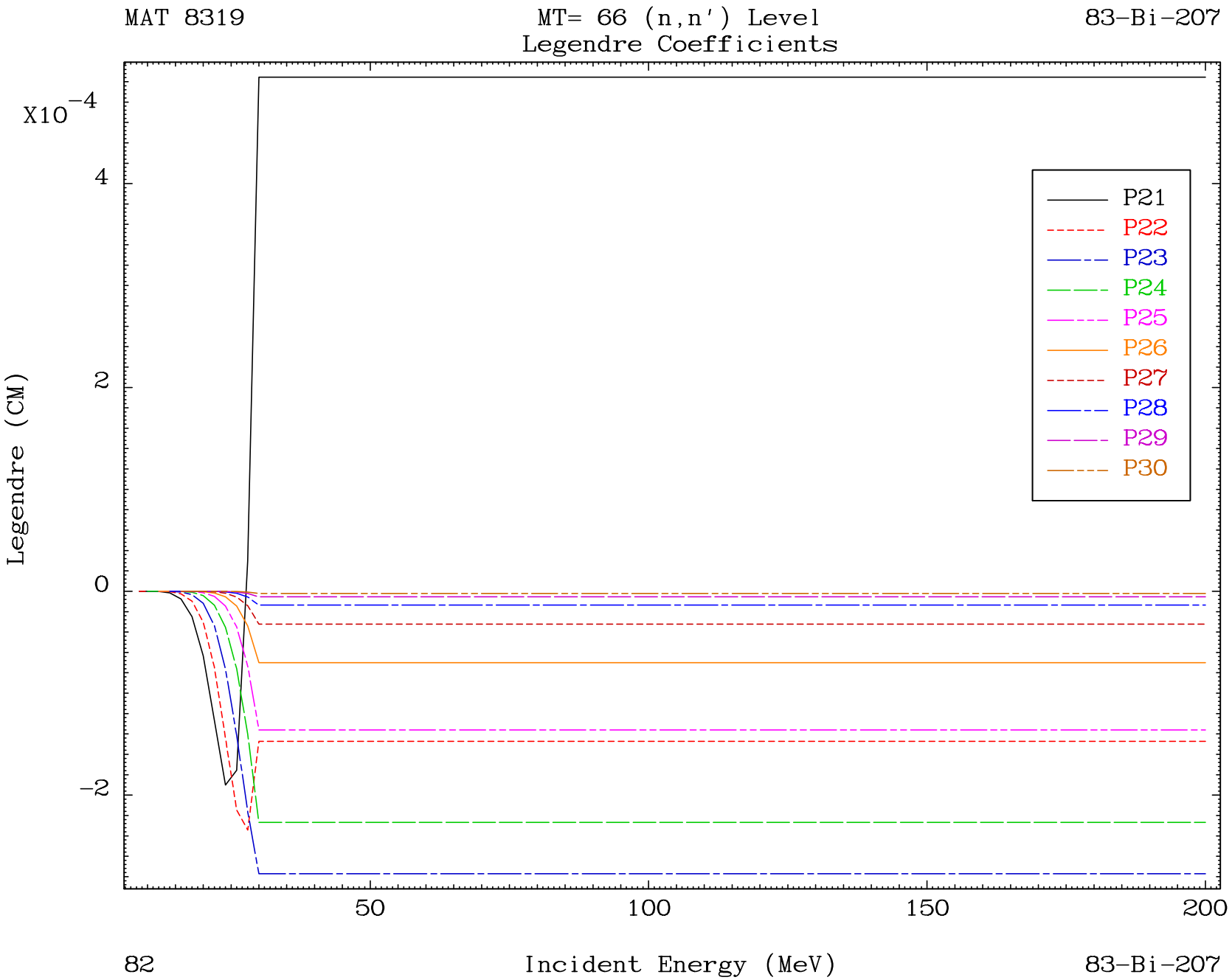

MAT 8319
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
77
Incident Energy (MeV)
83-Bi-207

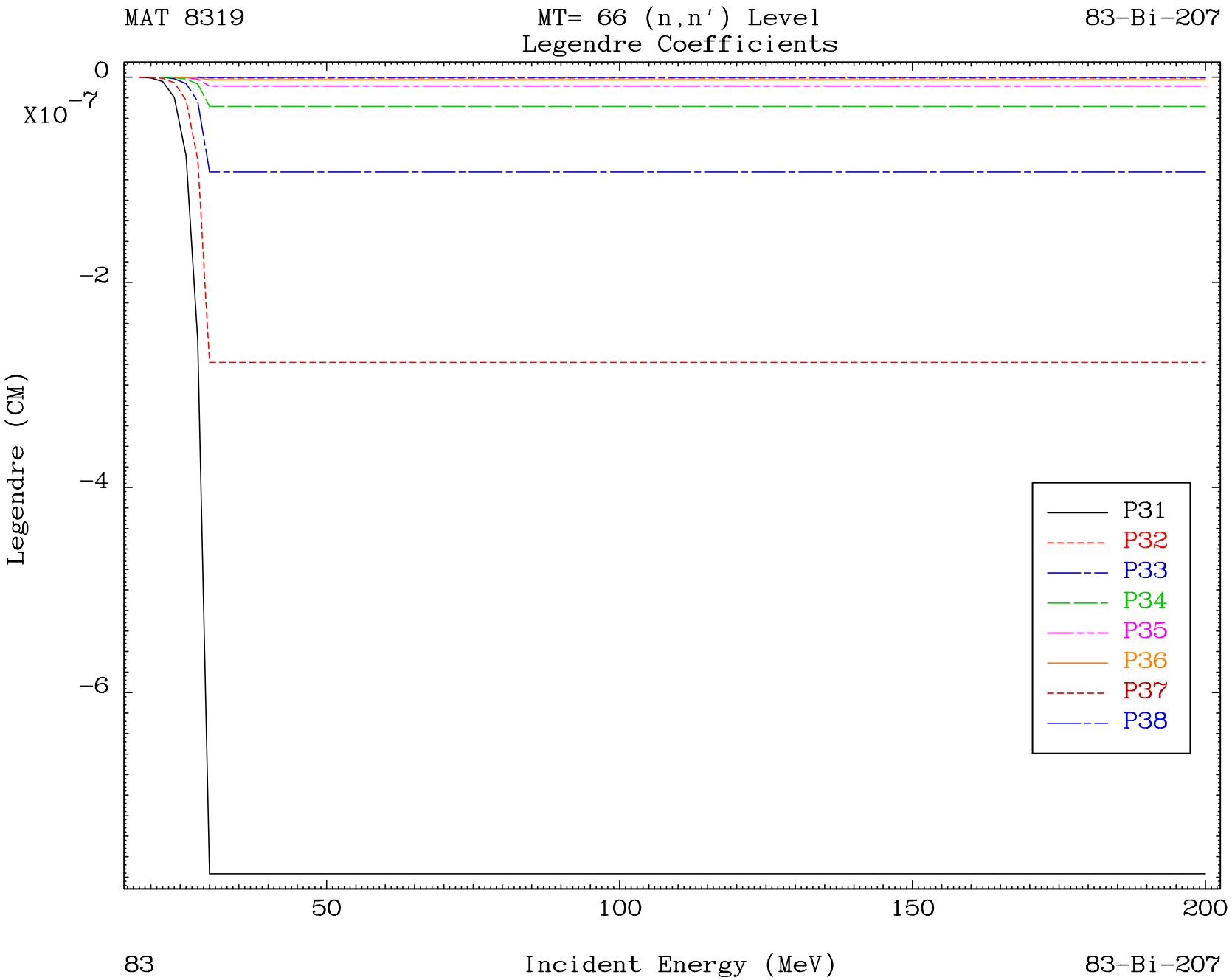

MAT 8319
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
83-Bi-207

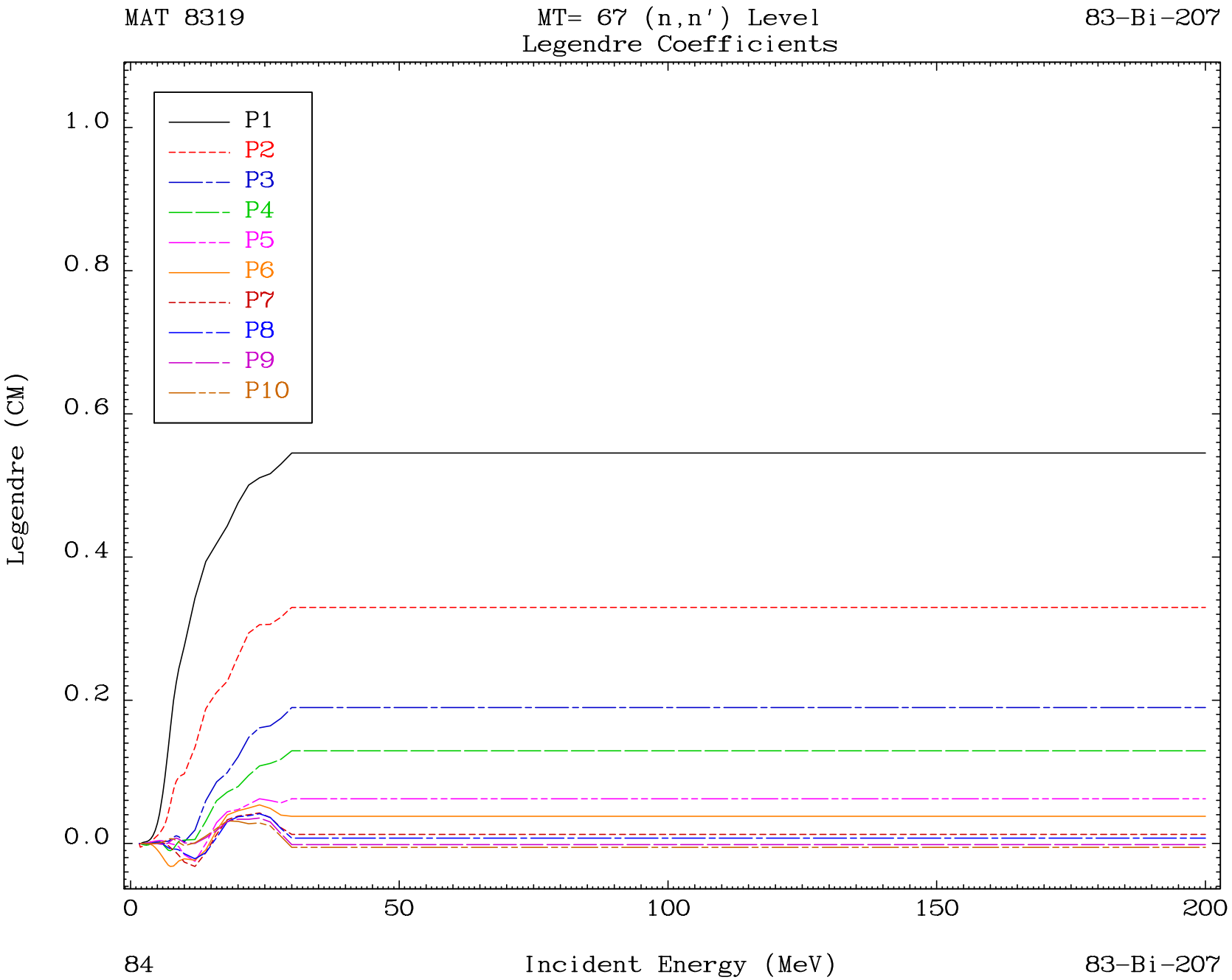

MAT 8319
MT= 65 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
79
Incident Energy (MeV)
83-Bi-207

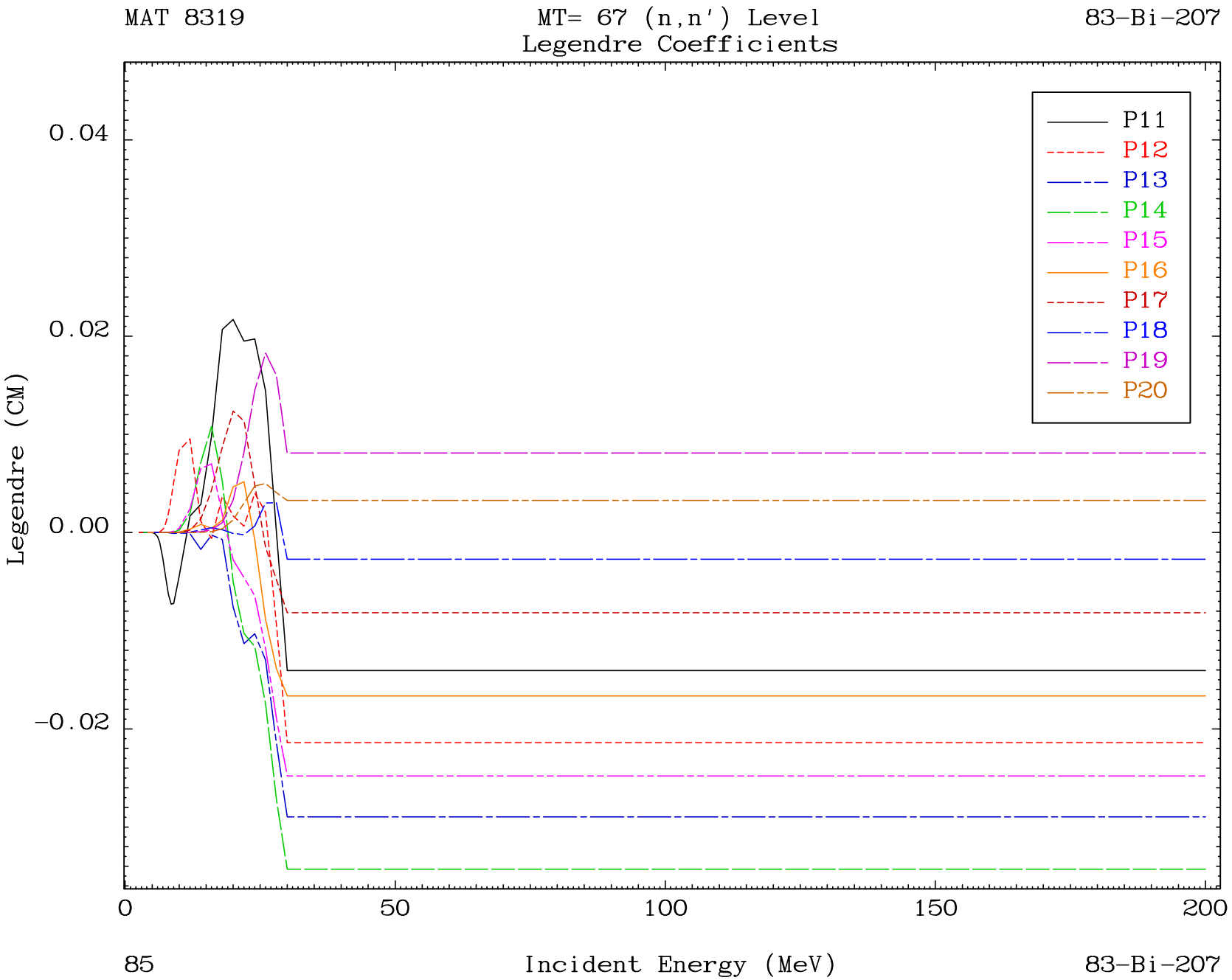

MAT 8319
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
80
Incident Energy (MeV)
83-Bi-207

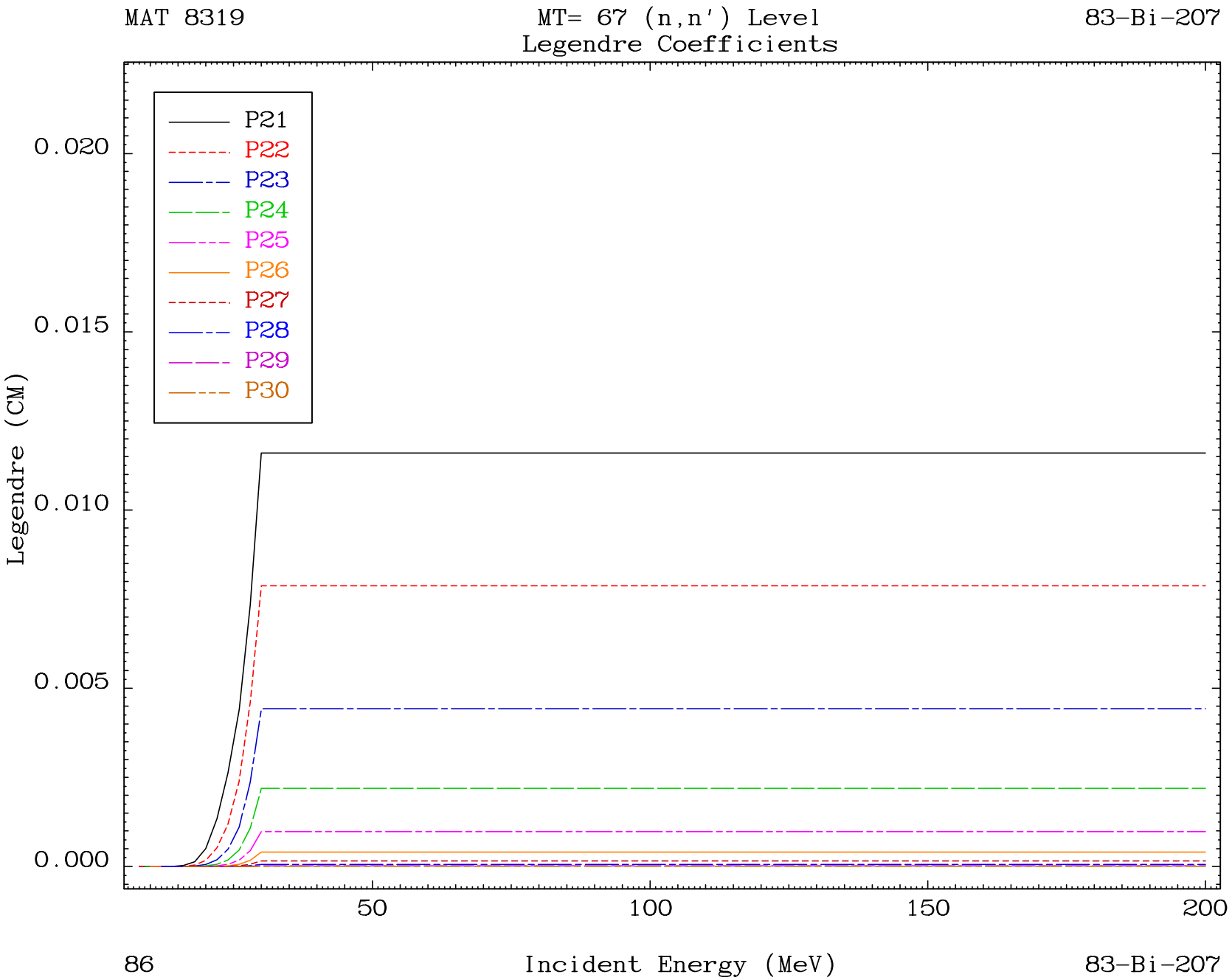

MAT 8319
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-207
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
81
Incident Energy (MeV)
83-Bi-207

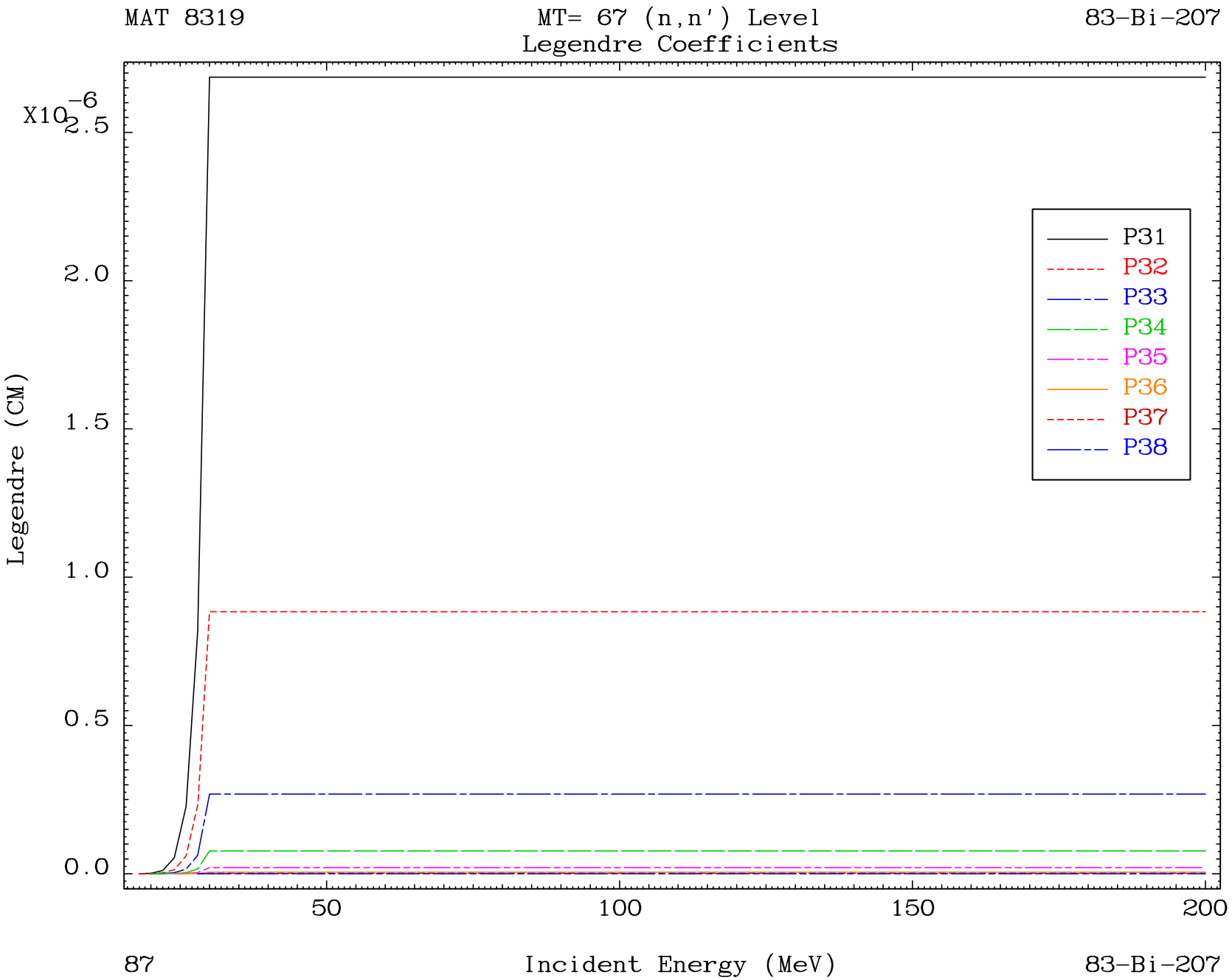

MAT 8319
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
82
Incident Energy (MeV)
83-Bi-207

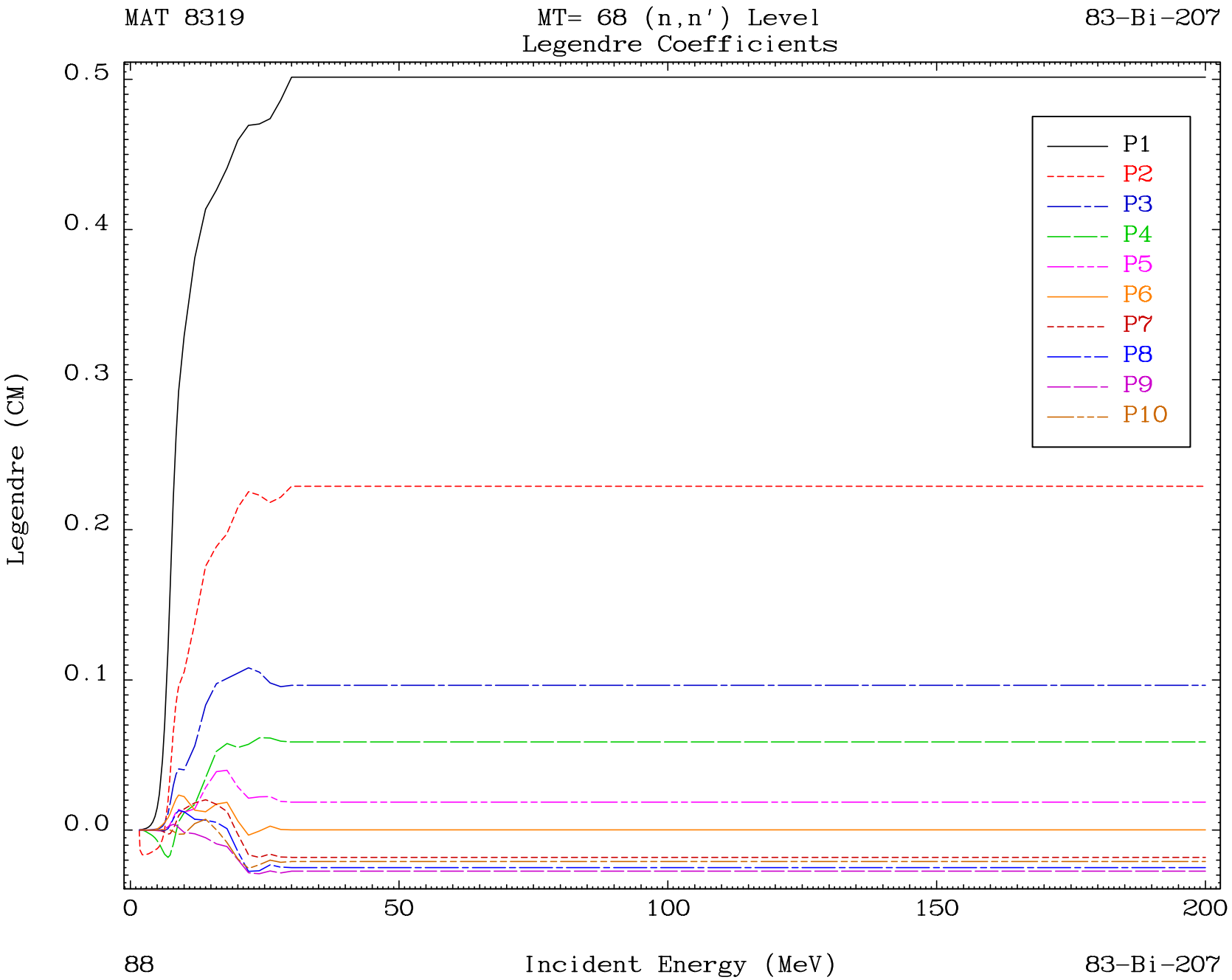

MAT 8319
MT= 66 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-7
0
-2
-4
-6
Legendre (CM)
50
100
150
200
83
Incident Energy (MeV)
83-Bi-207
P31
P32
P33
P34
P35
P36
P37
P38

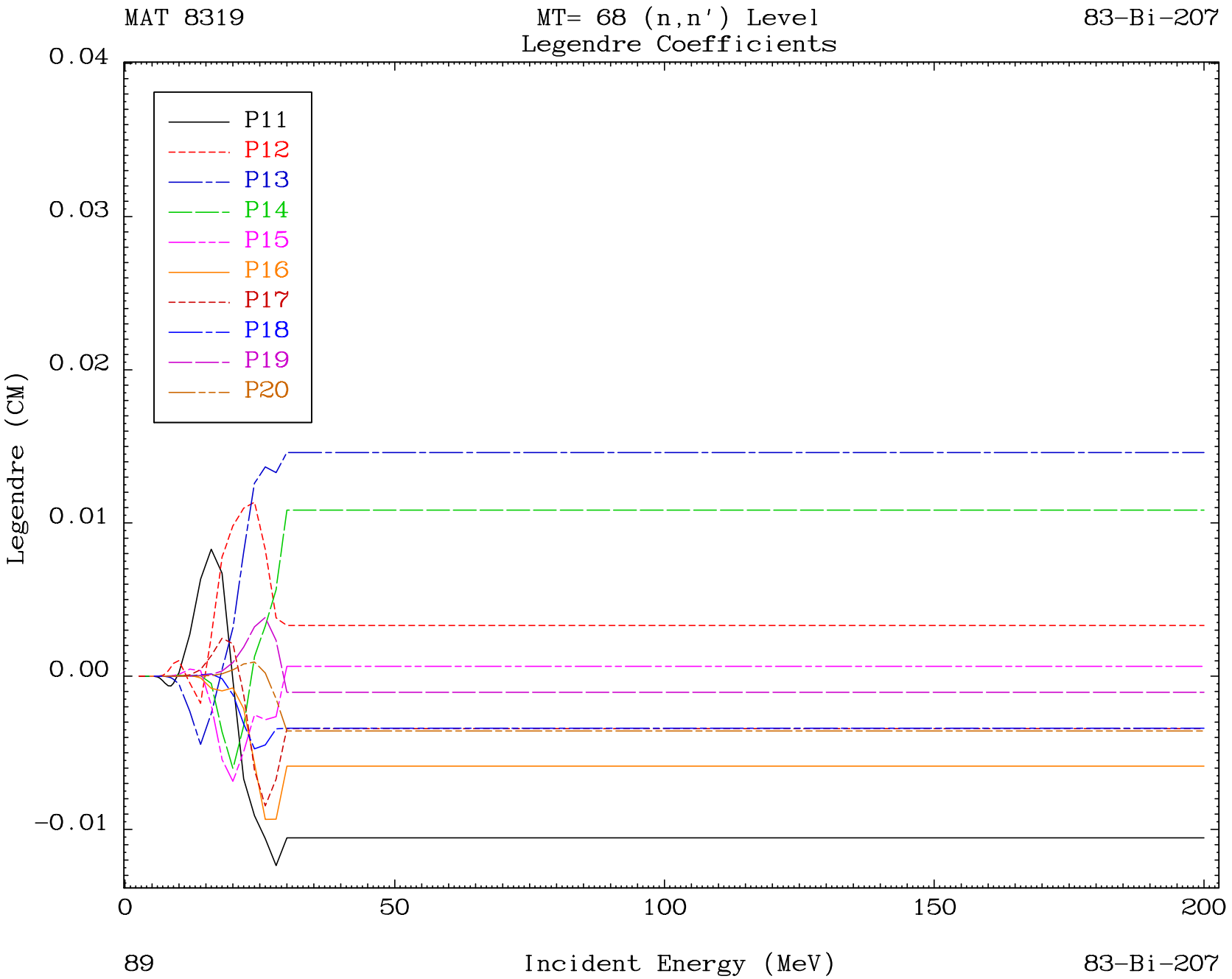

MAT 8319
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
84
Incident Energy (MeV)
83-Bi-207

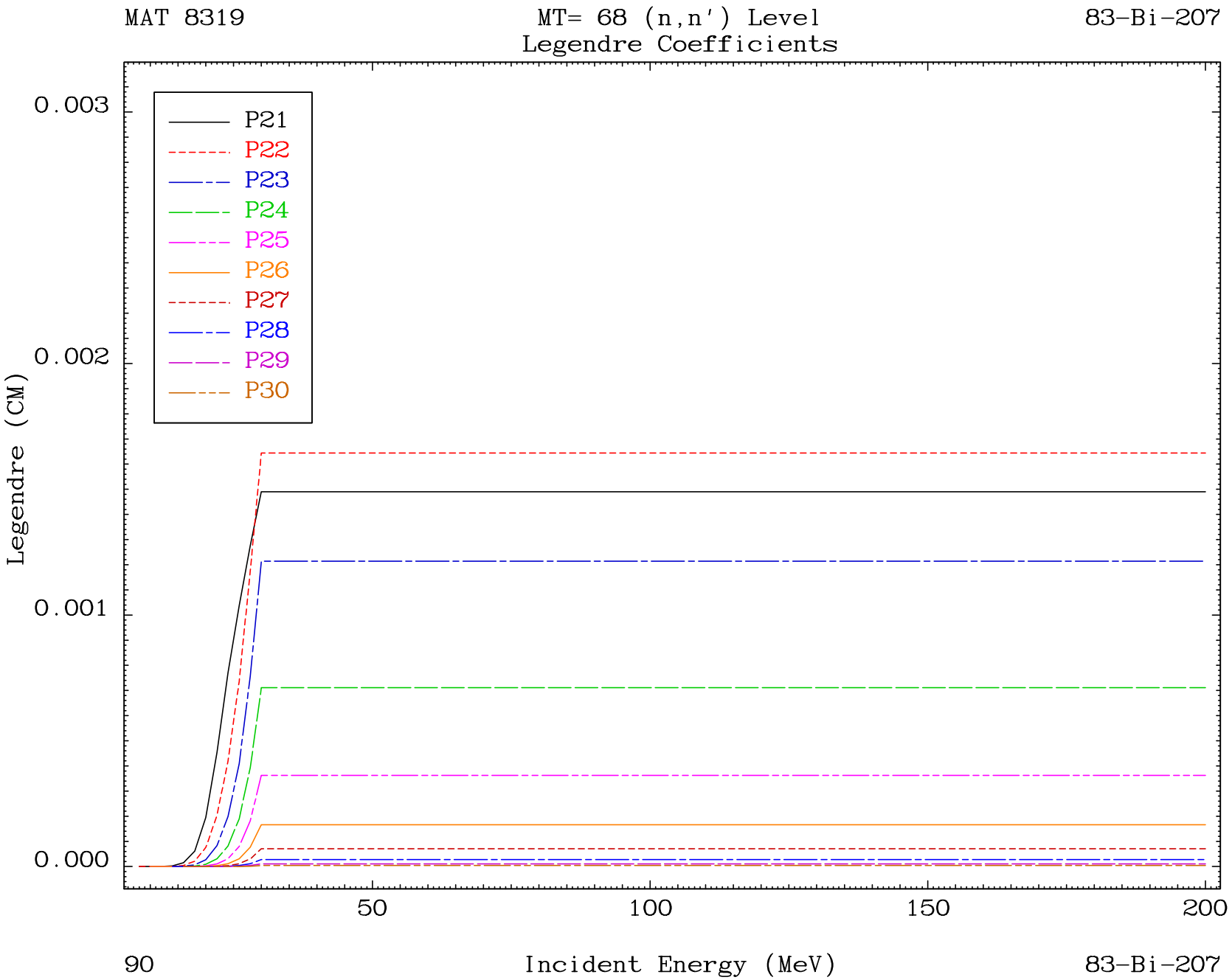

MAT 8319
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
83-Bi-207

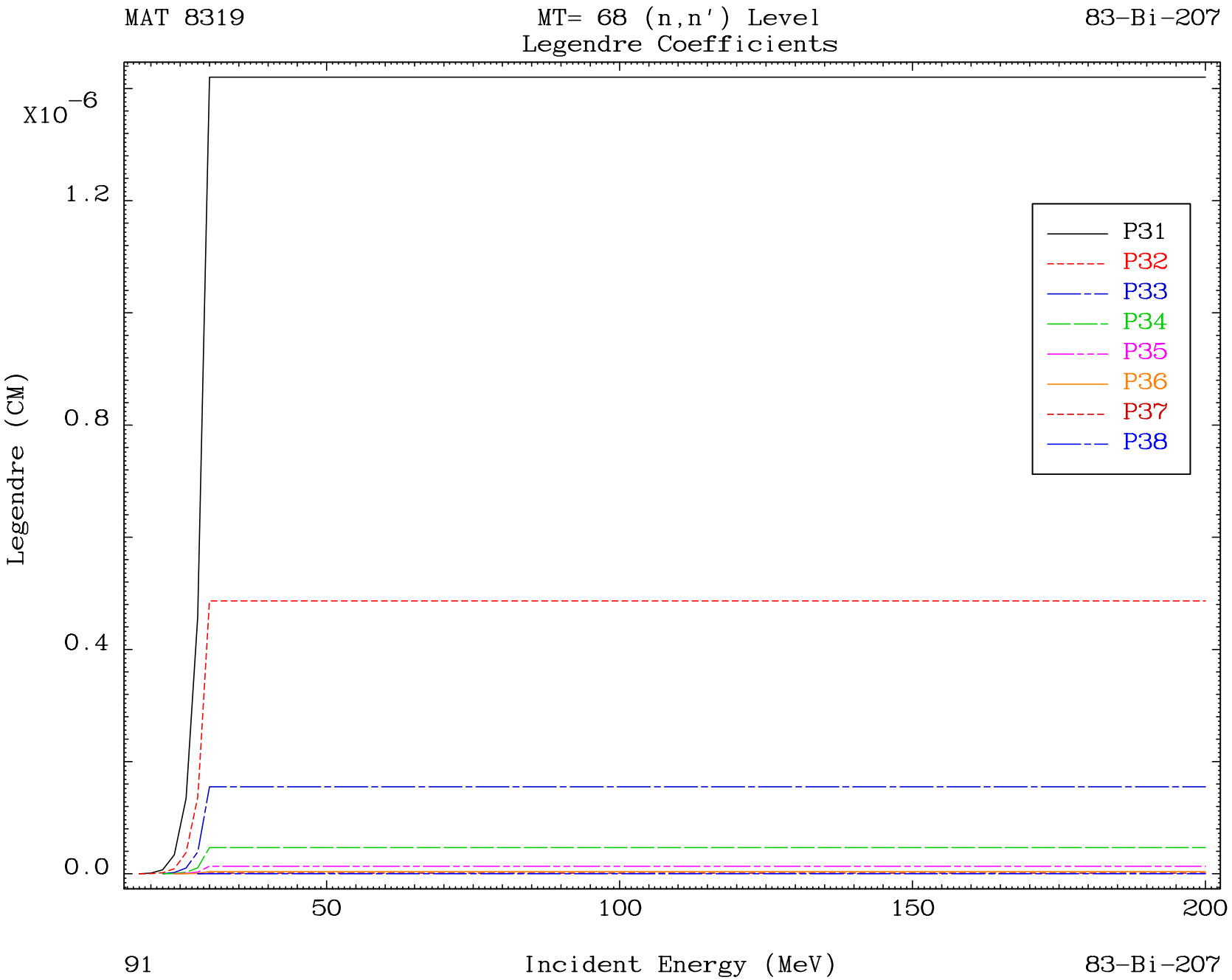

MAT 8319
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
86
Incident Energy (MeV)
83-Bi-207

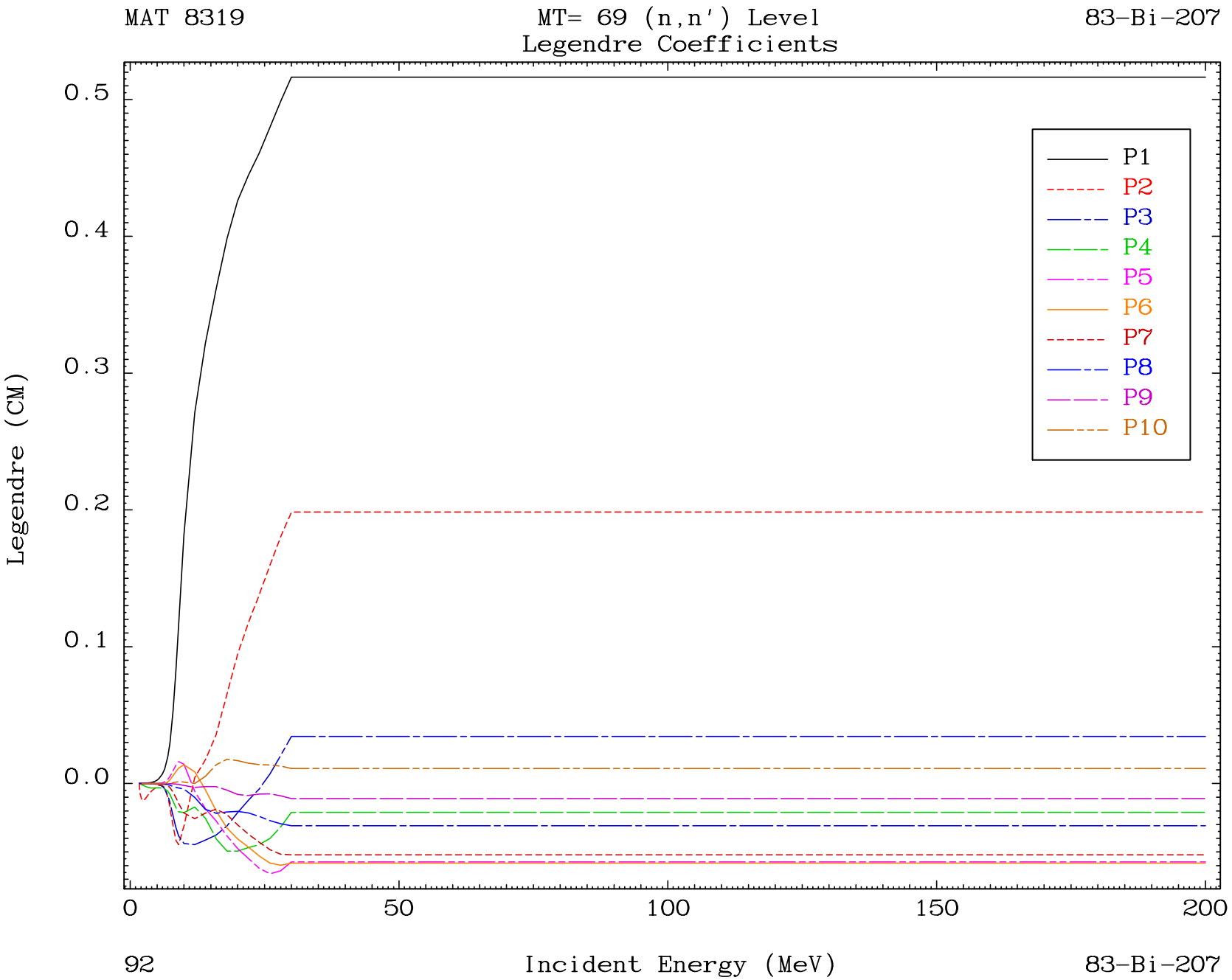

MAT 8319
MT= 67 (n,n') Level
Legendre Coefficients
83-Bi-207
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
87
Incident Energy (MeV)
83-Bi-207

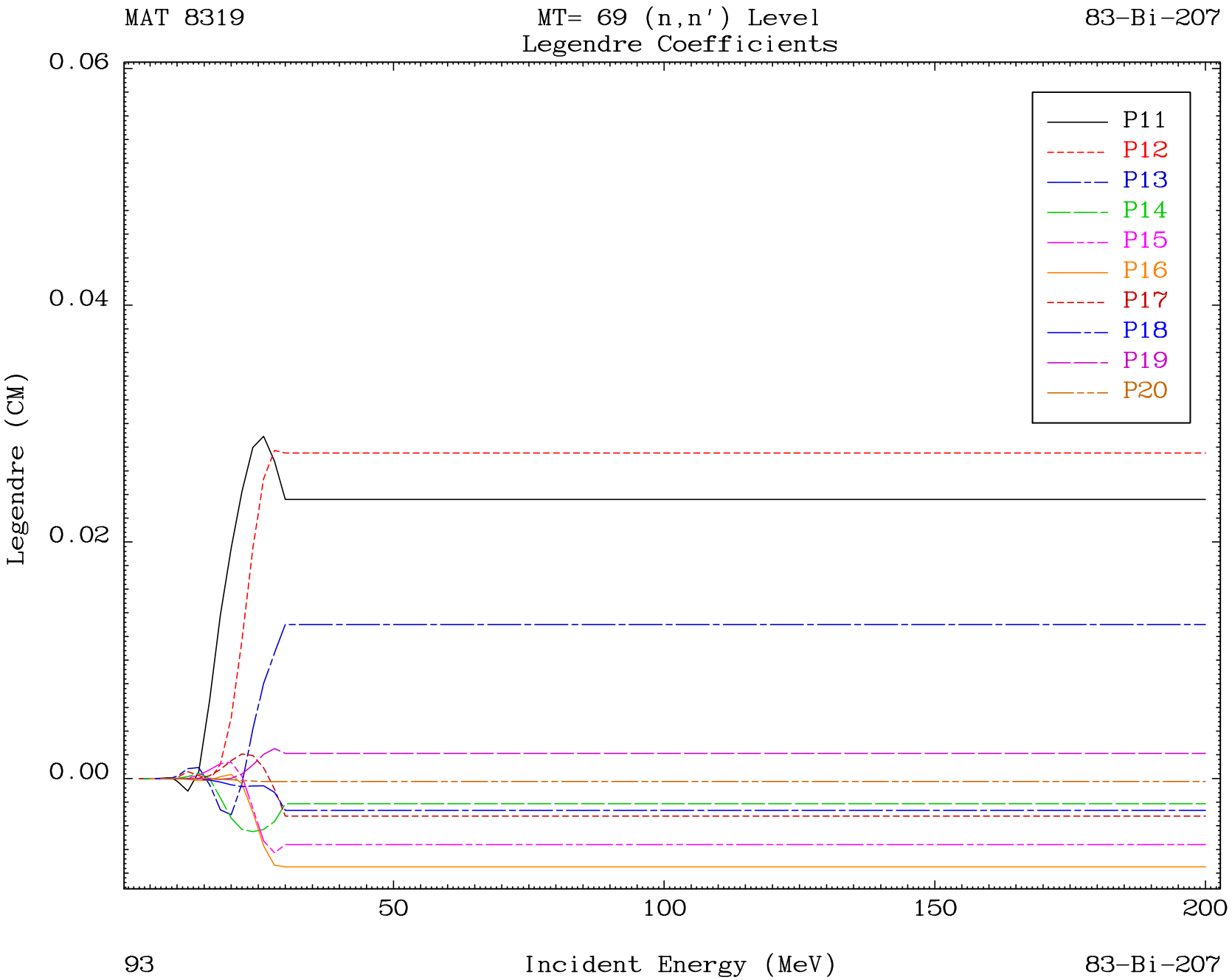

MAT 8319
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
88
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

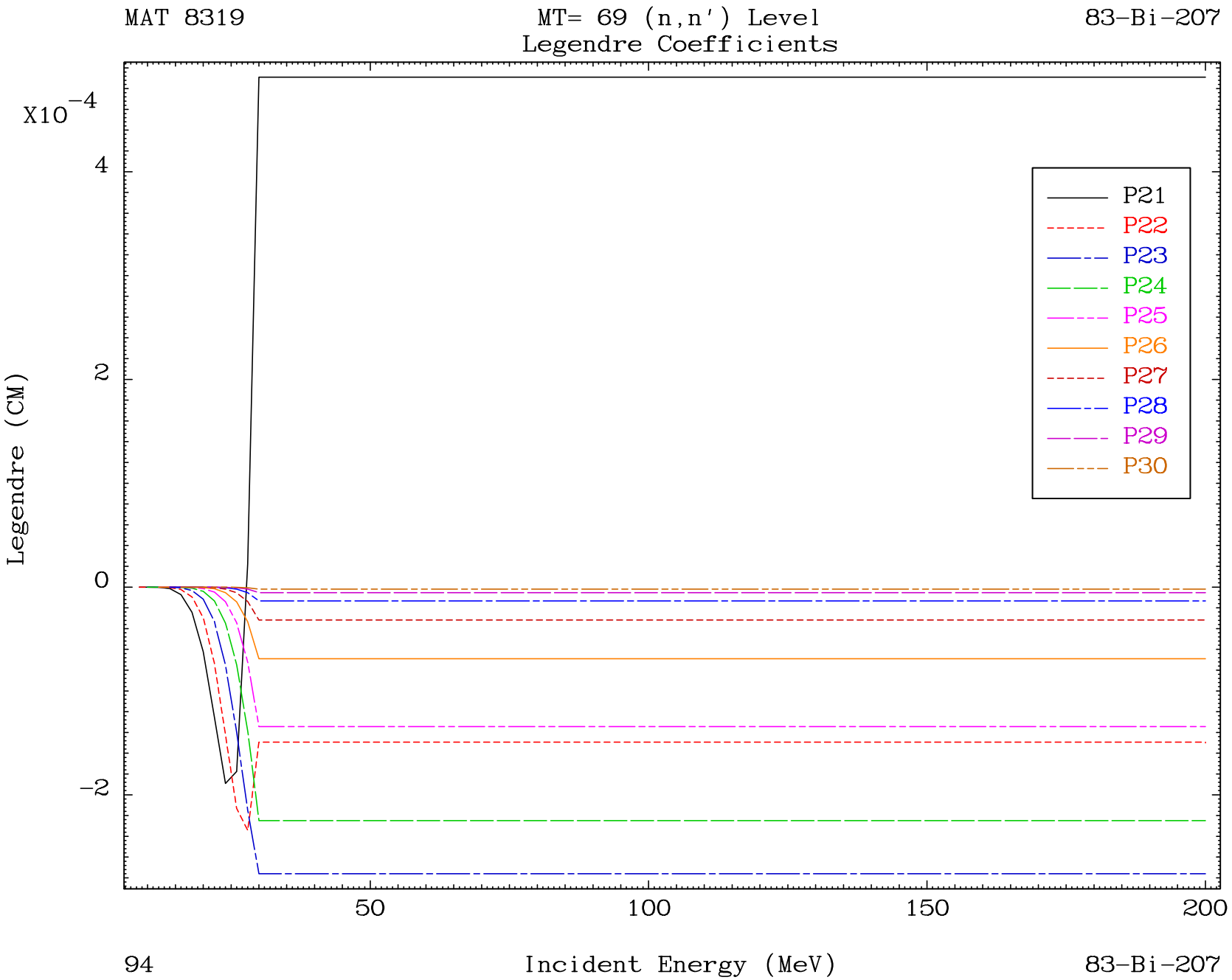

MAT 8319
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
89
Incident Energy (MeV)
83-Bi-207

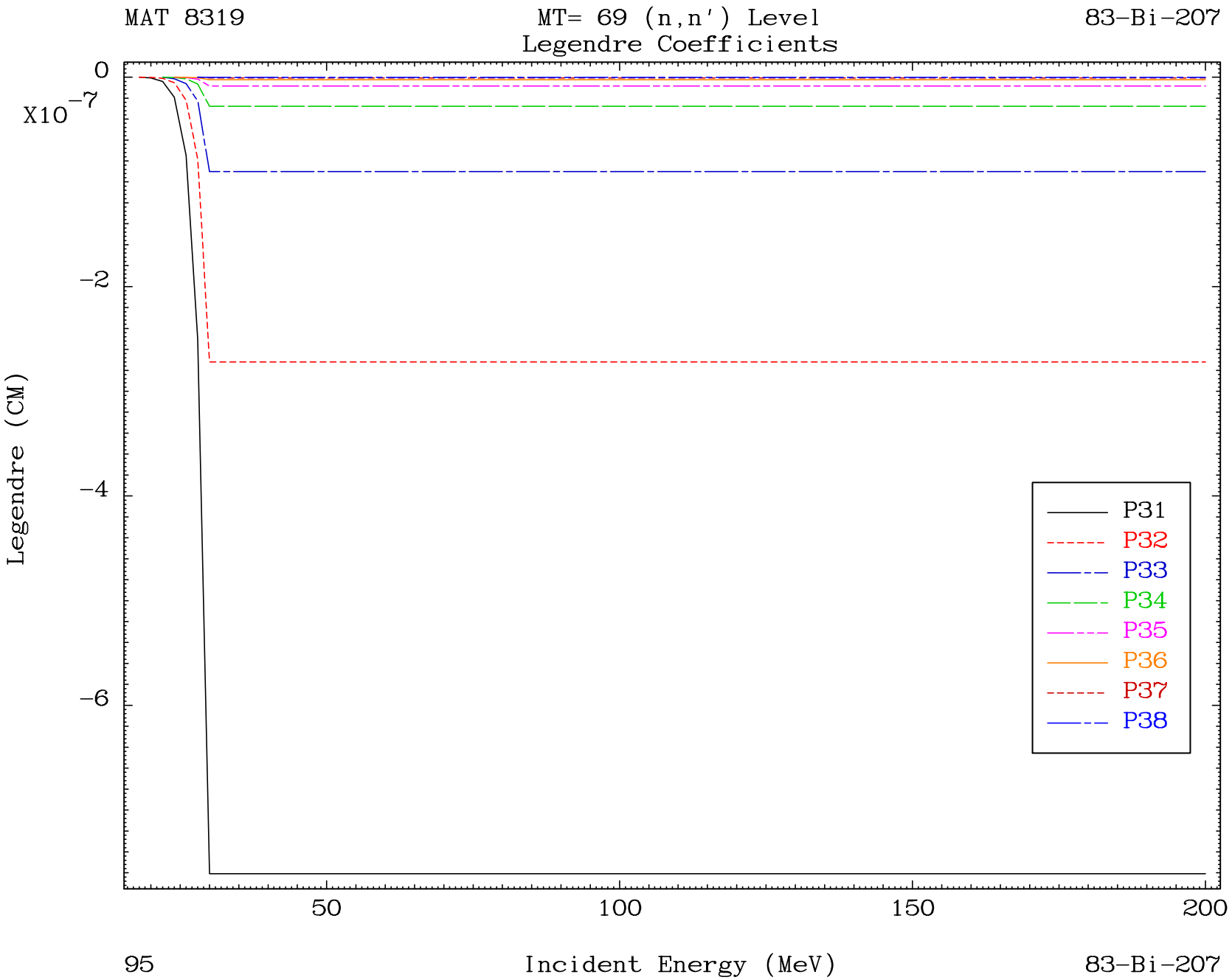

MAT 8319
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
90
Incident Energy (MeV)
83-Bi-207

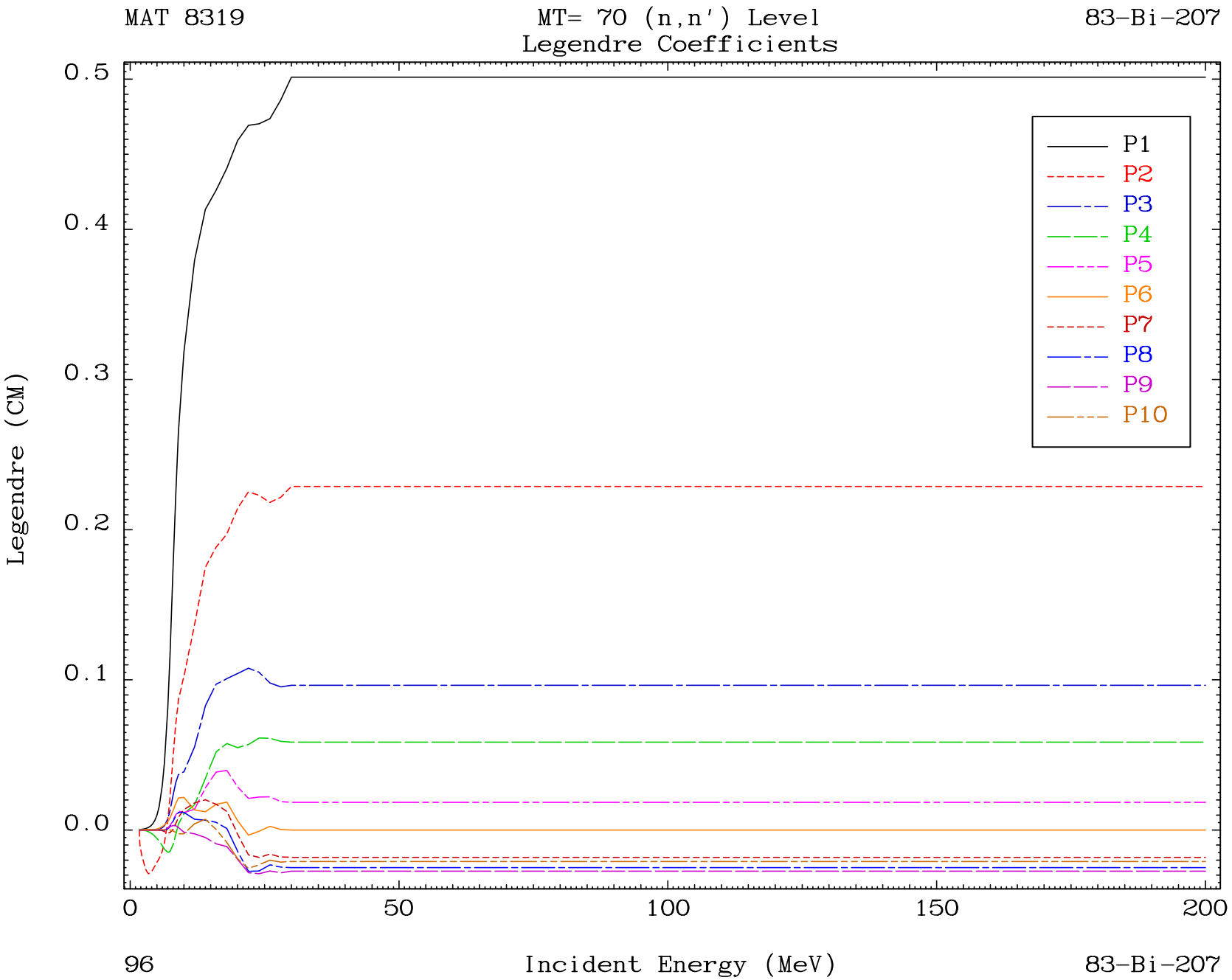

MAT 8319
MT= 68 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
91
Incident Energy (MeV)
83-Bi-207

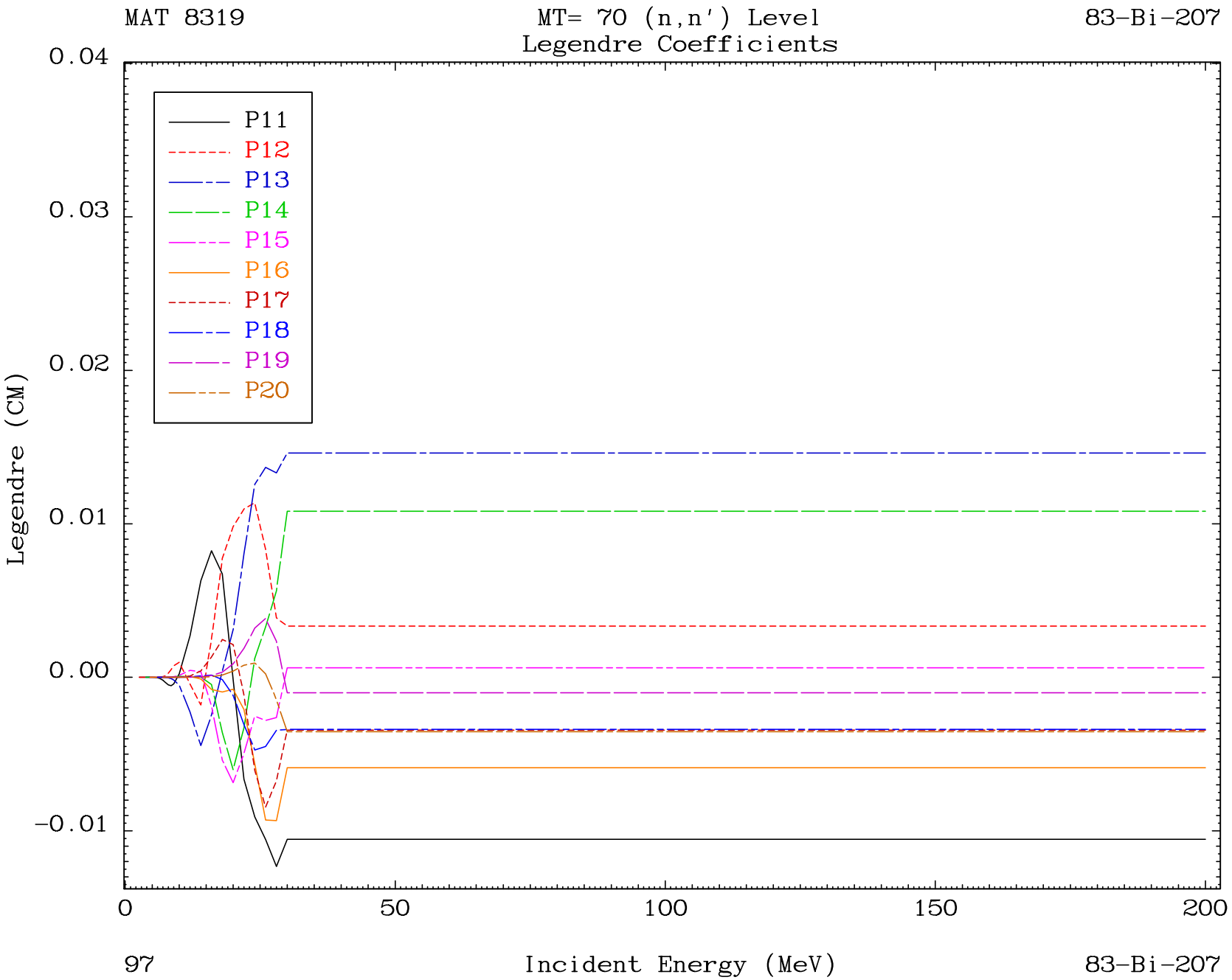

MAT 8319
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
92
Incident Energy (MeV)
83-Bi-207

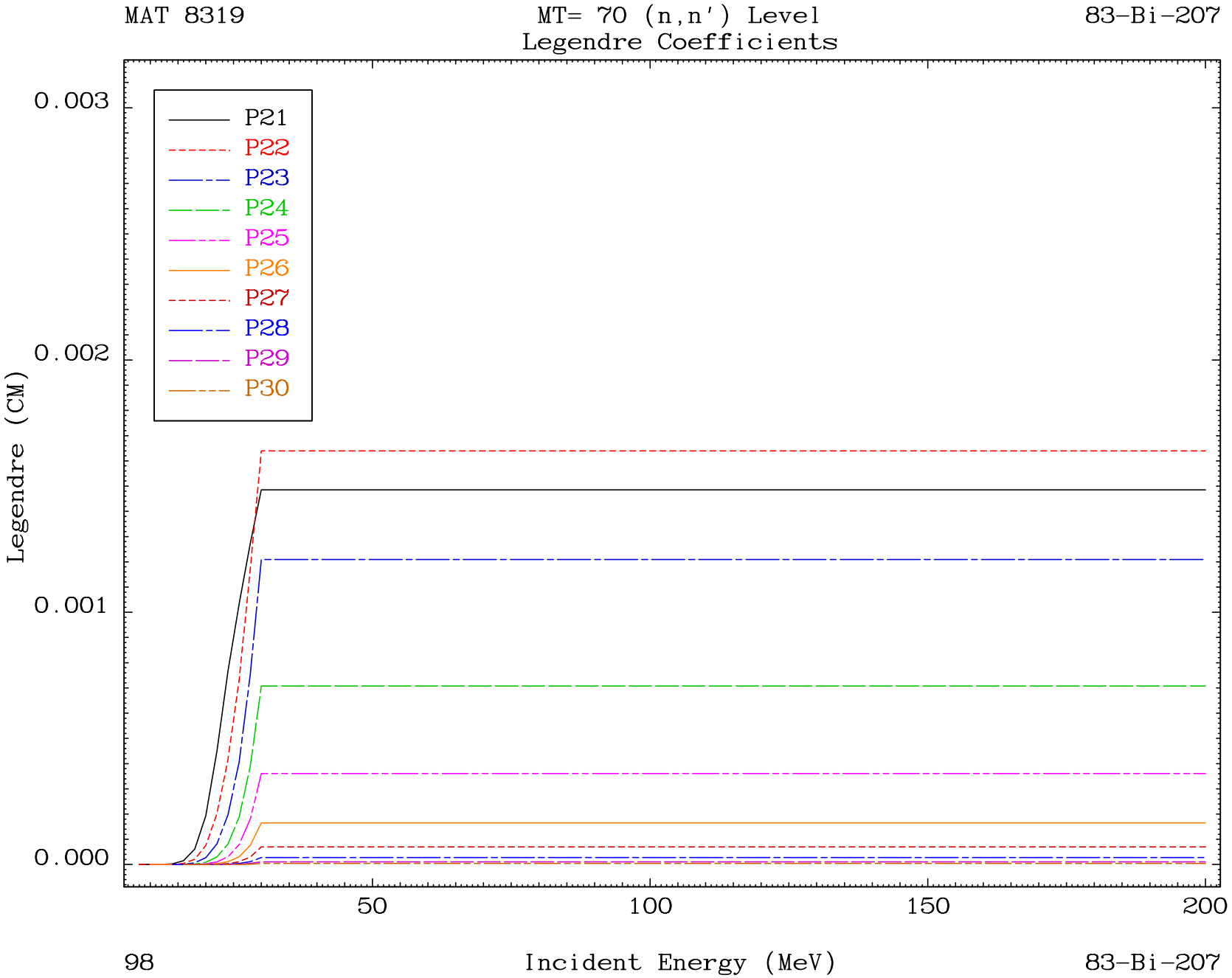

MAT 8319
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-207
0.06
0.04
0.02
0.00
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
93
Incident Energy (MeV)
83-Bi-207

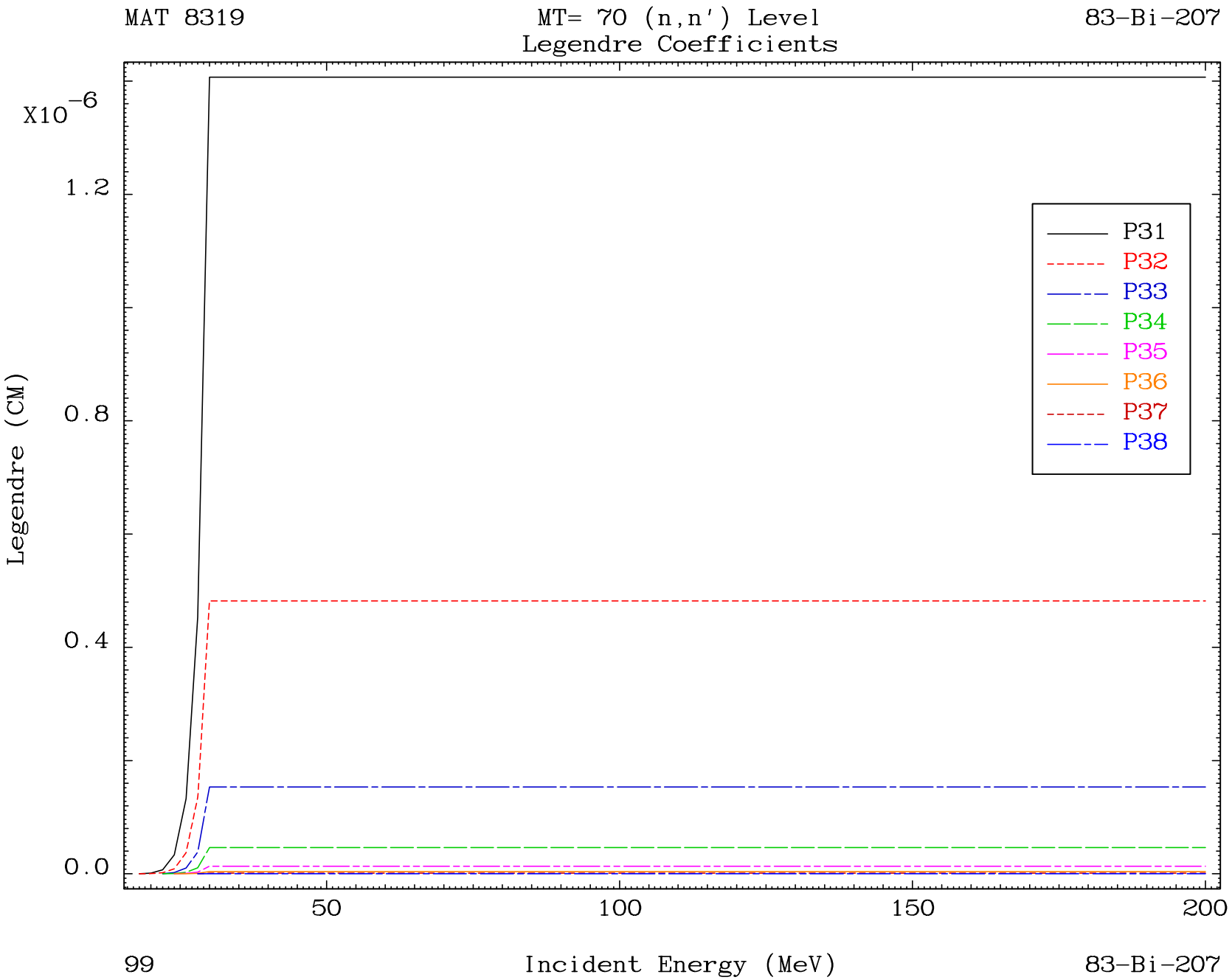

MAT 8319
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-4
4
2
0
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
94
Incident Energy (MeV)
83-Bi-207

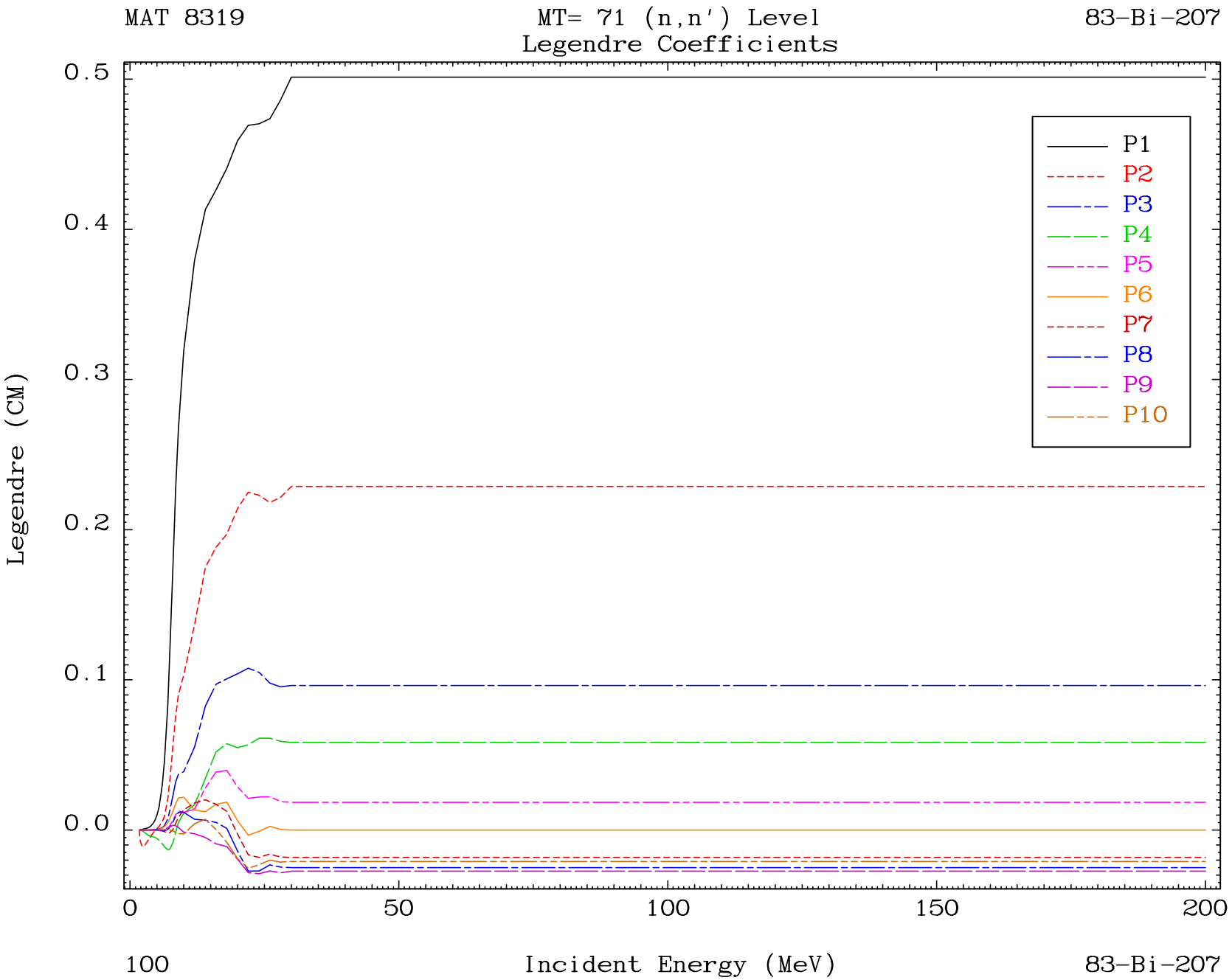

MAT 8319
MT= 69 (n,n') Level
Legendre Coefficients
83-Bi-207
X10-7
0
-2
-4
-6
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
83-Bi-207
P31
P32
P33
P34
P35
P36
P37
P38

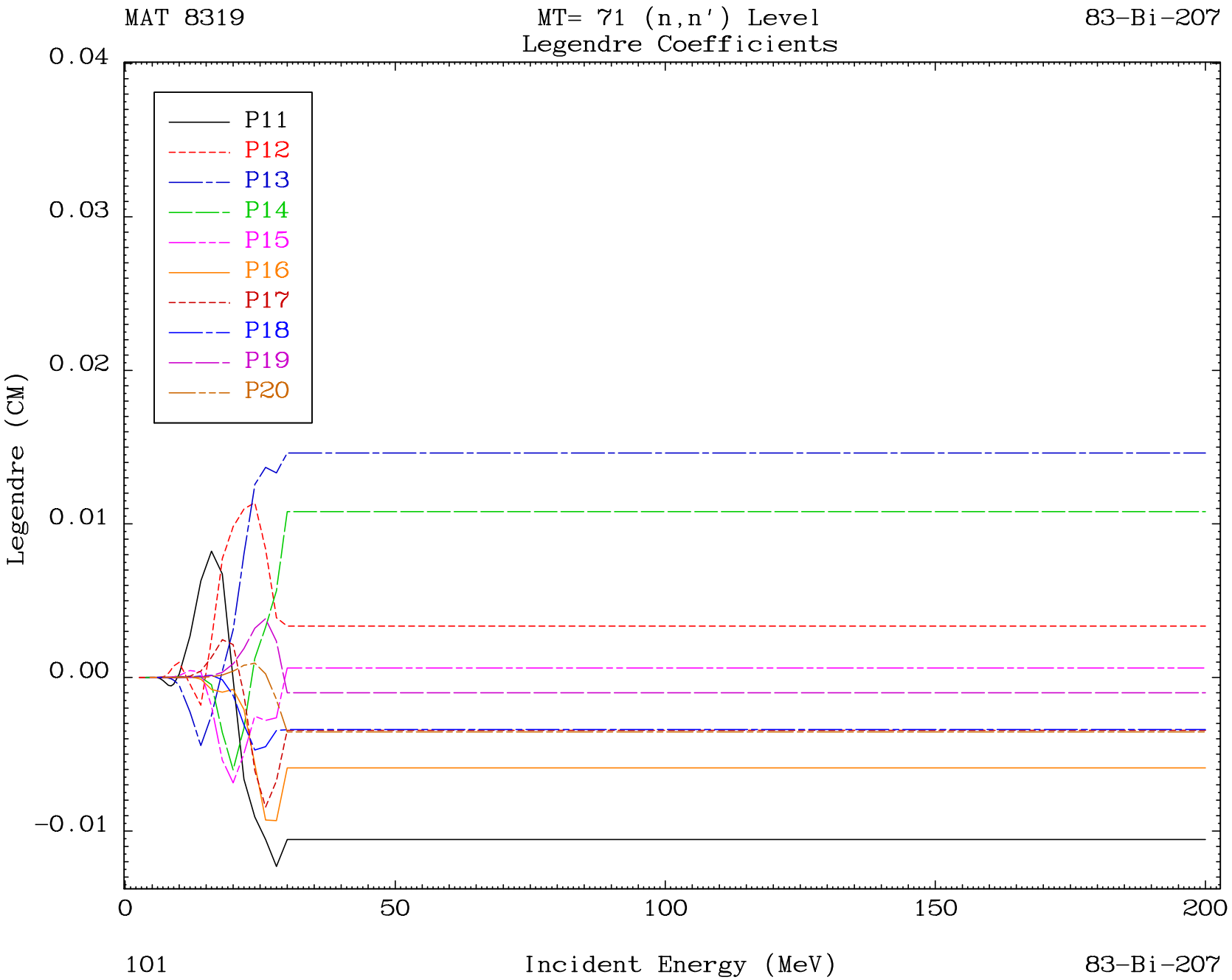

MAT 8319
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
96
Incident Energy (MeV)
83-Bi-207

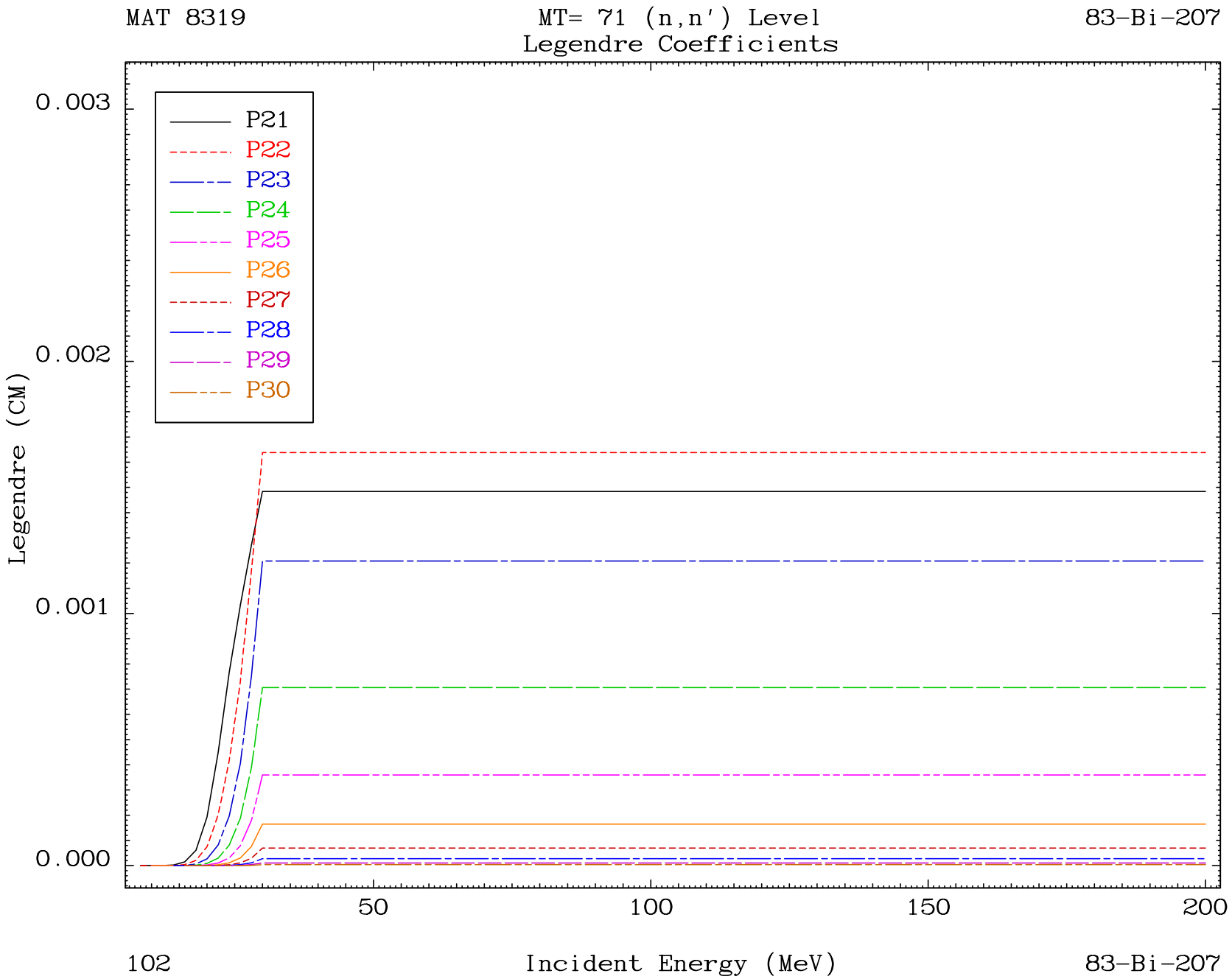

MAT 8319
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
97
Incident Energy (MeV)
83-Bi-207

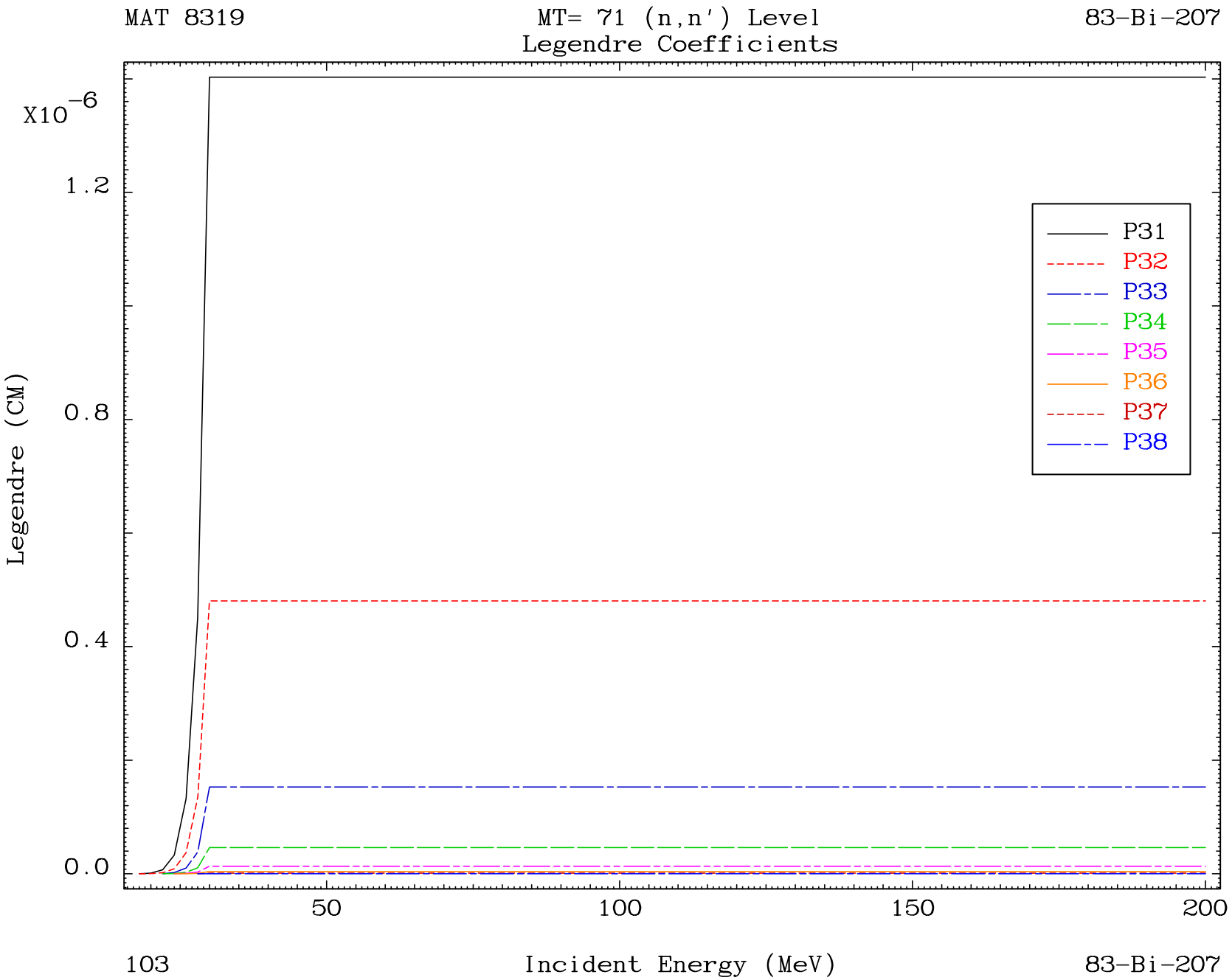

MAT 8319
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
83-Bi-207

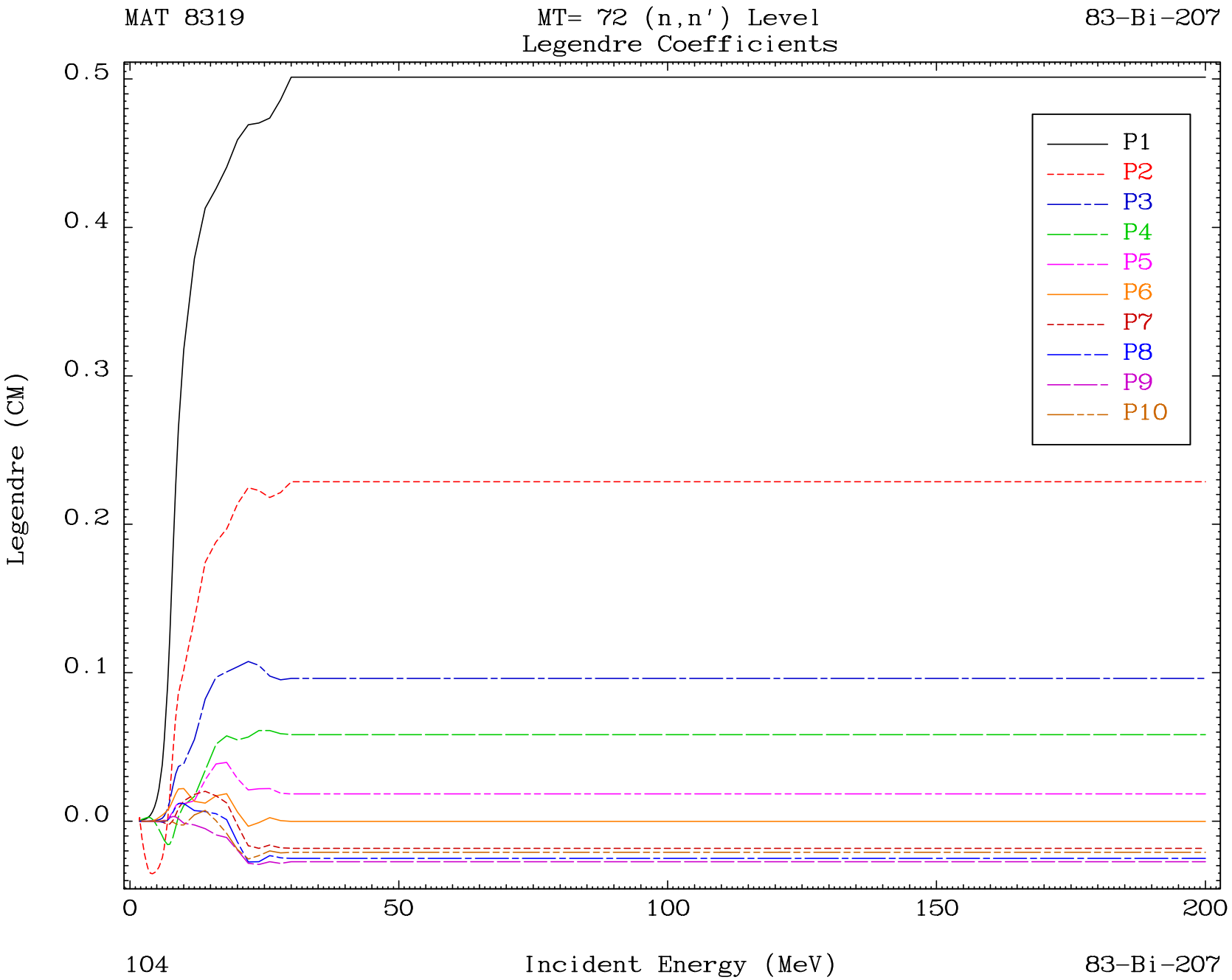

MAT 8319
MT= 70 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
99
Incident Energy (MeV)
83-Bi-207

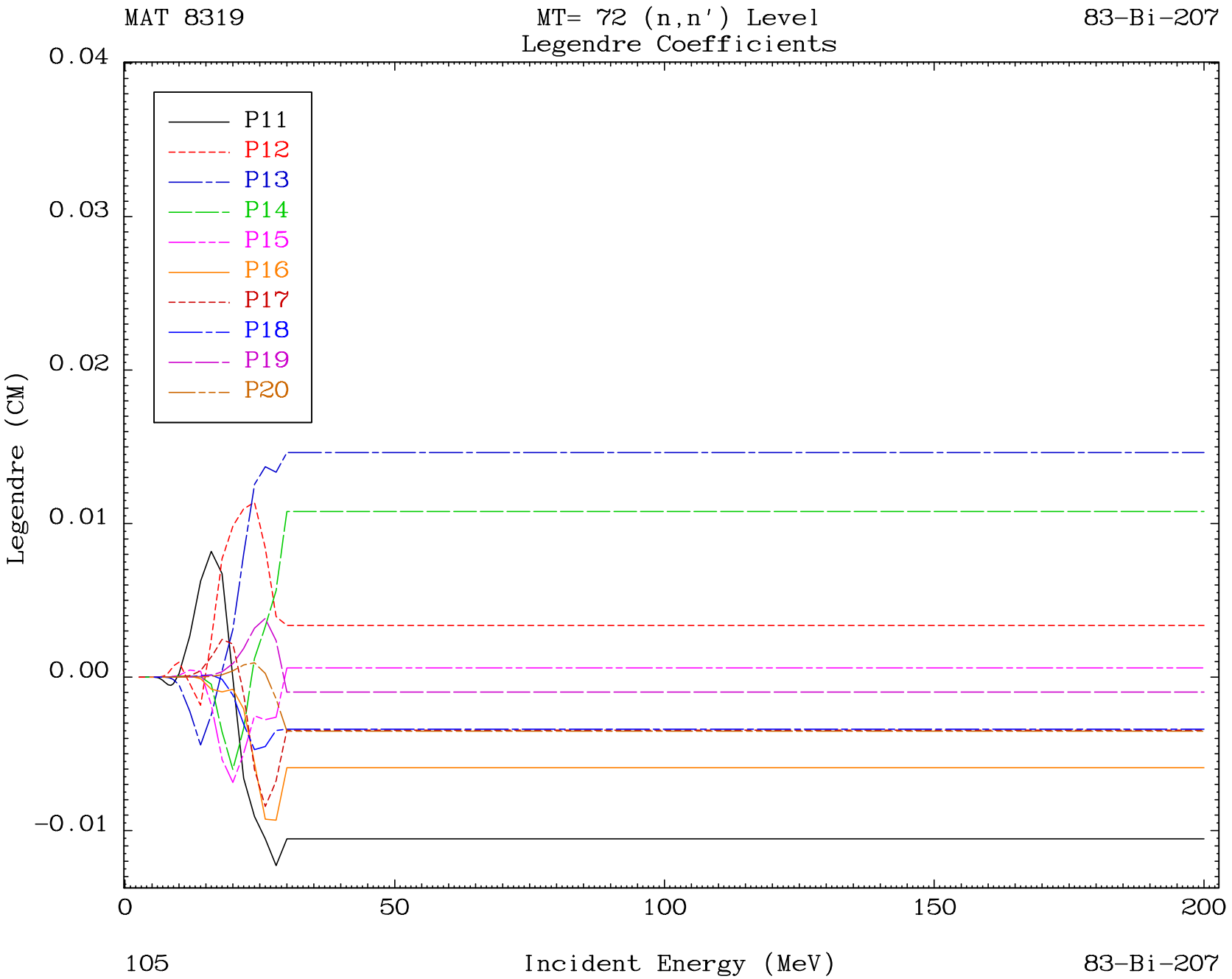

MAT 8319
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
100
Incident Energy (MeV)
83-Bi-207
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

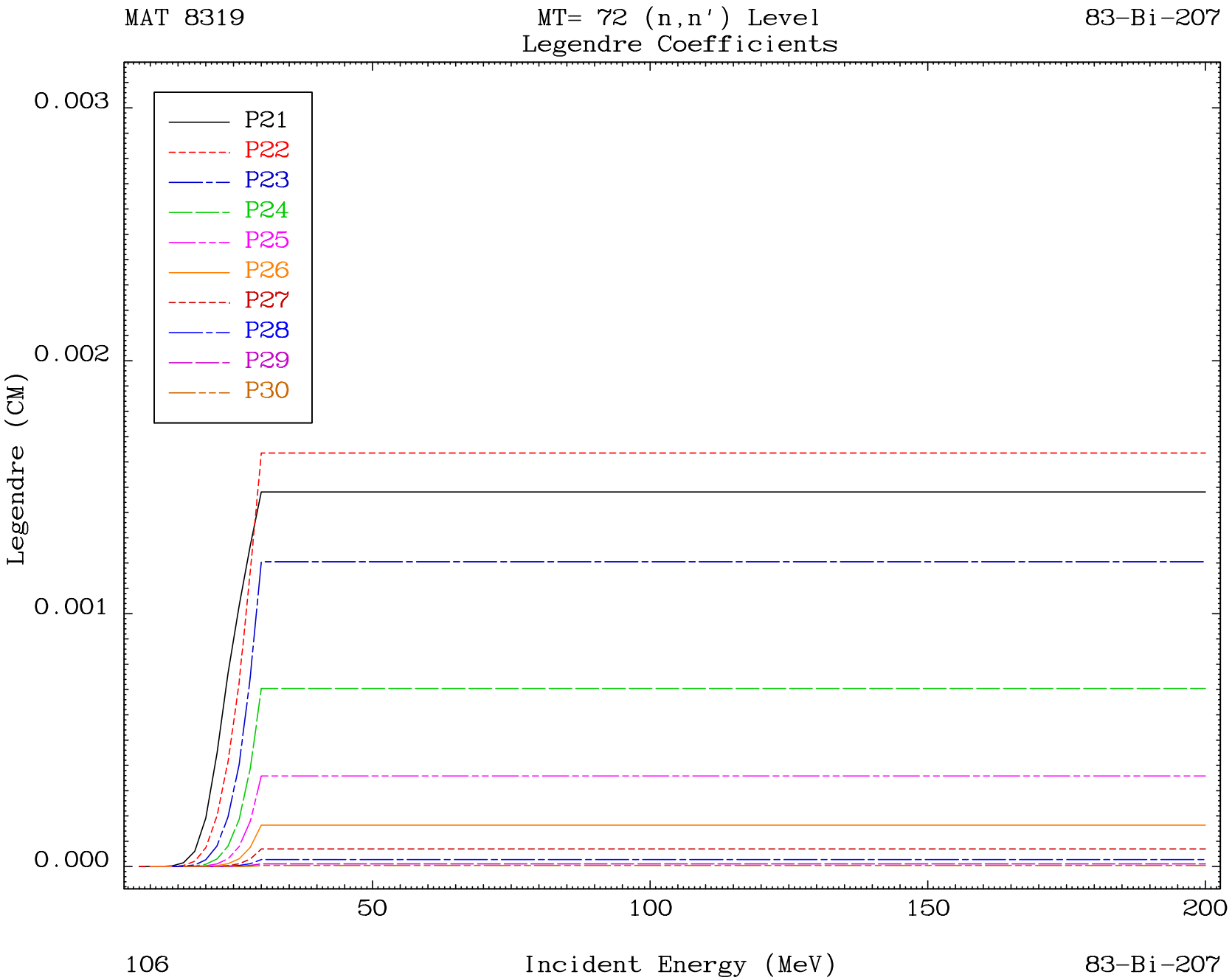

MAT 8319
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
101
Incident Energy (MeV)
83-Bi-207

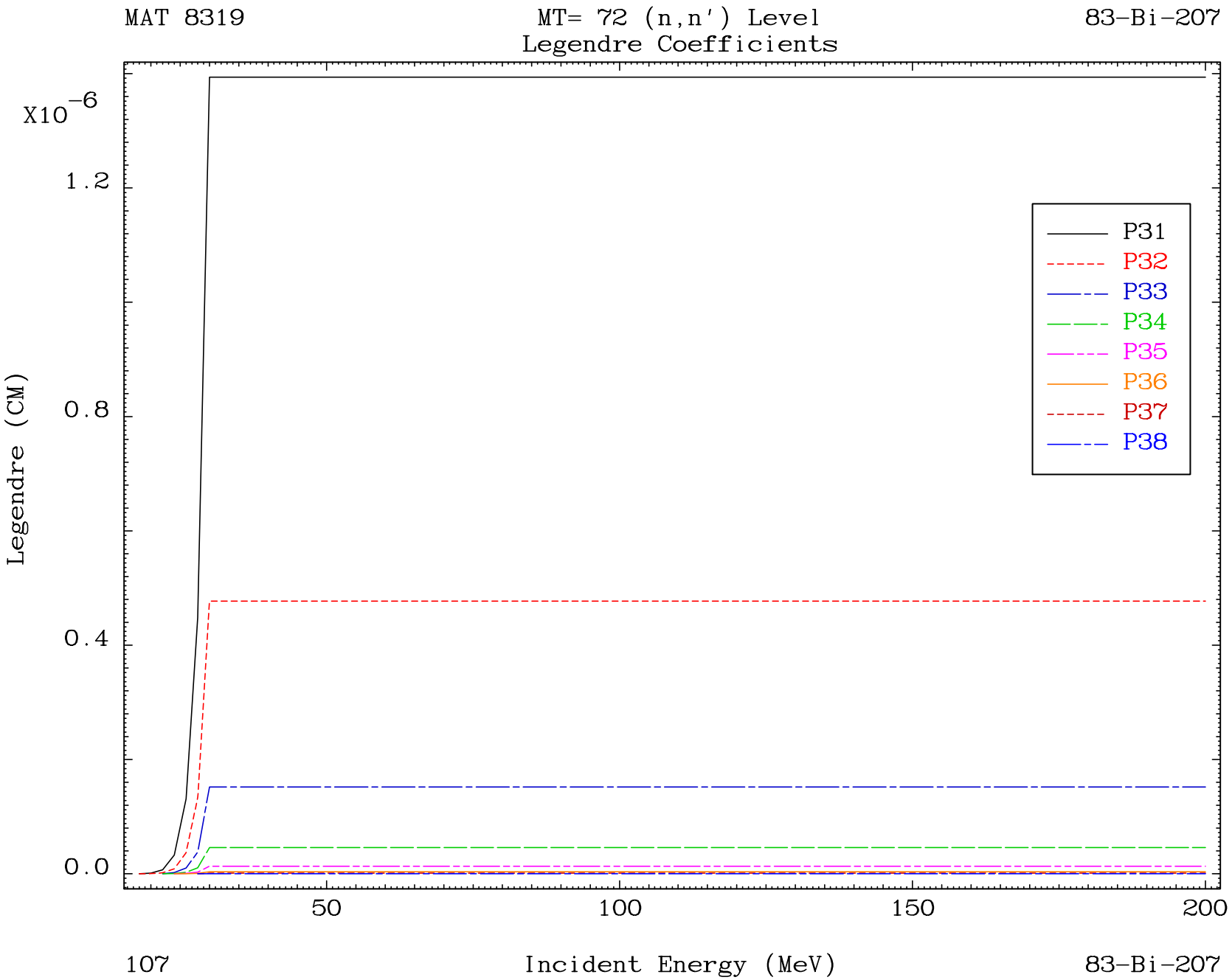

MAT 8319
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
102
Incident Energy (MeV)
83-Bi-207

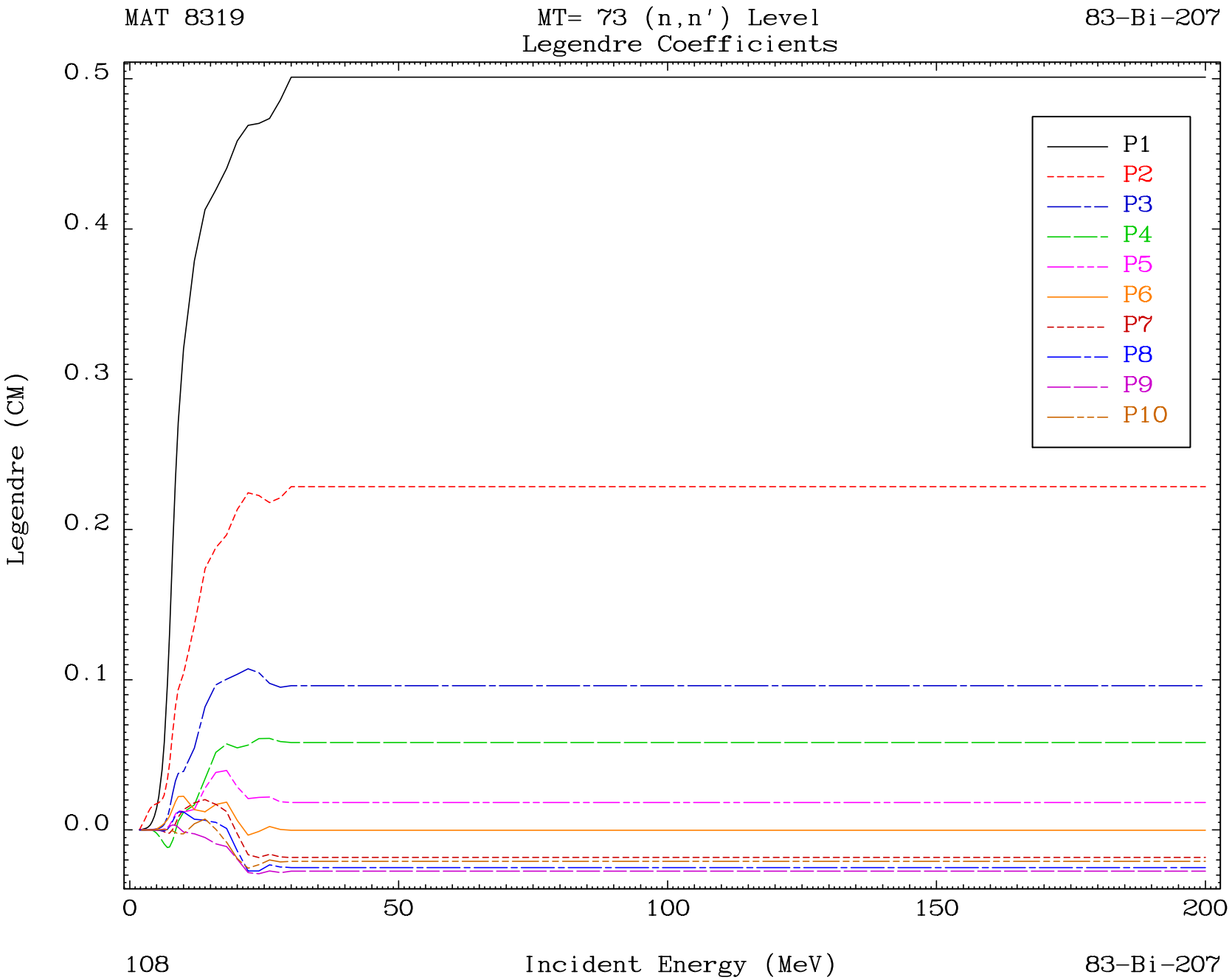

MAT 8319
MT= 71 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
103
Incident Energy (MeV)
83-Bi-207

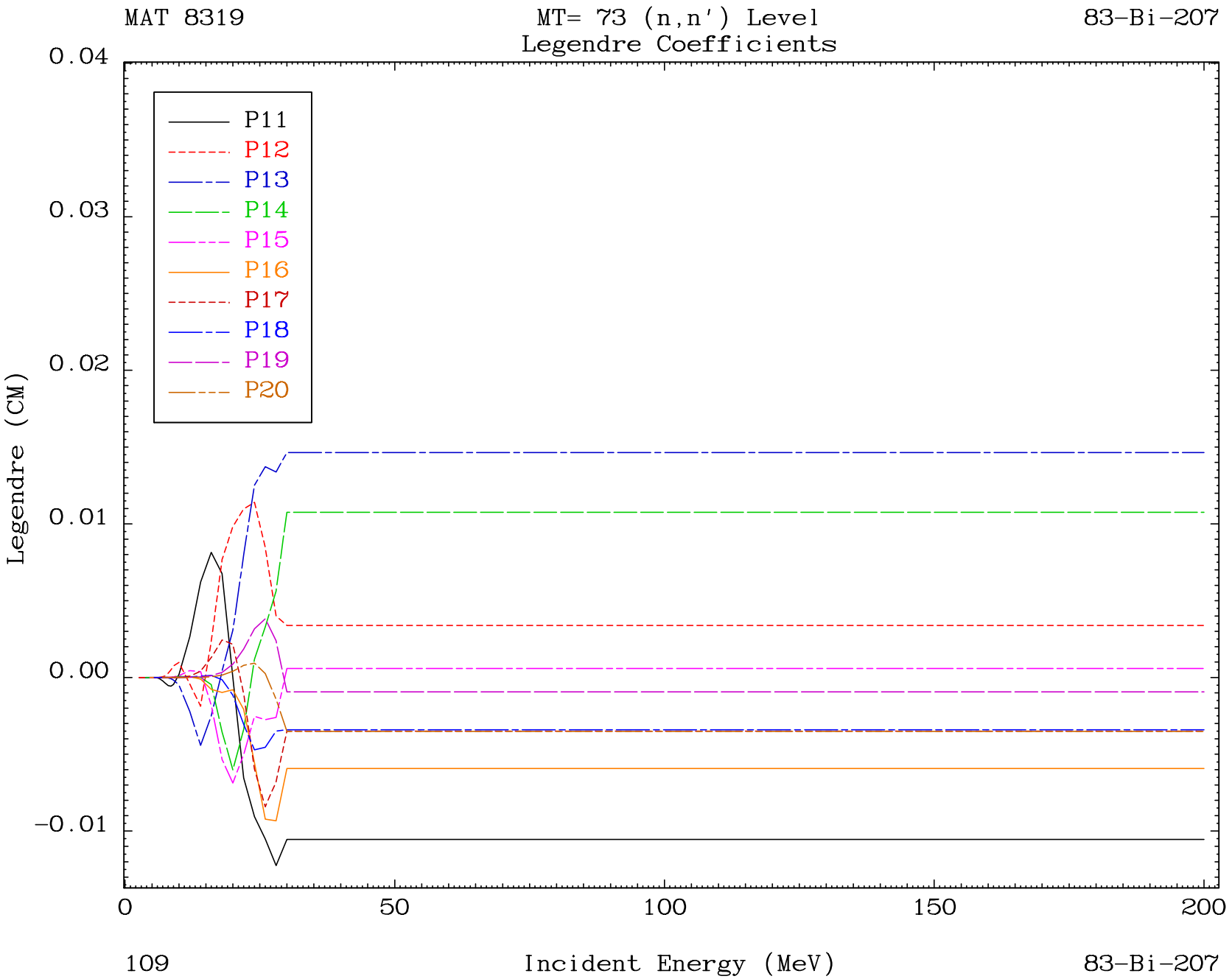

MAT 8319
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
104
Incident Energy (MeV)
83-Bi-207

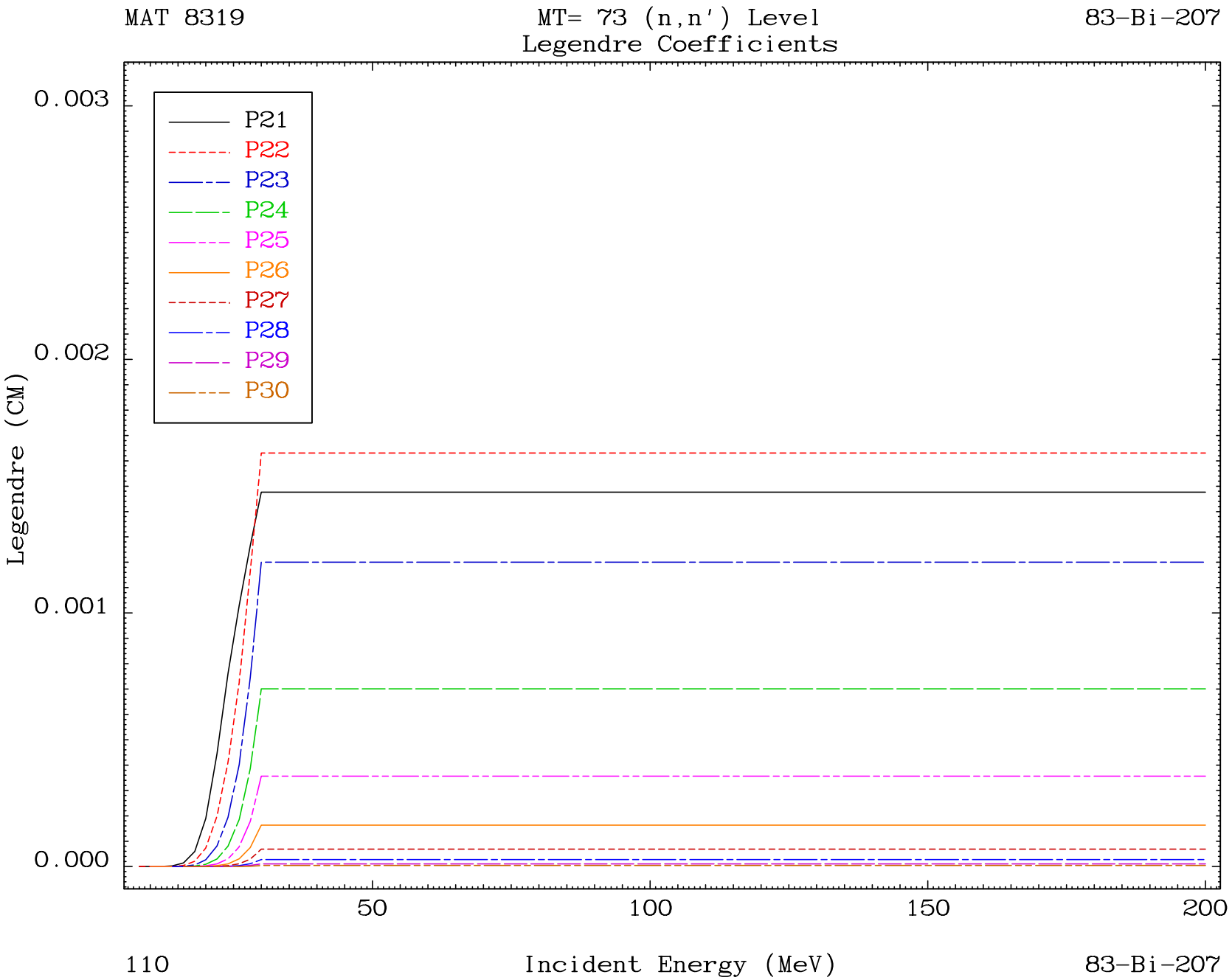

MAT 8319
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
105
Incident Energy (MeV)
83-Bi-207

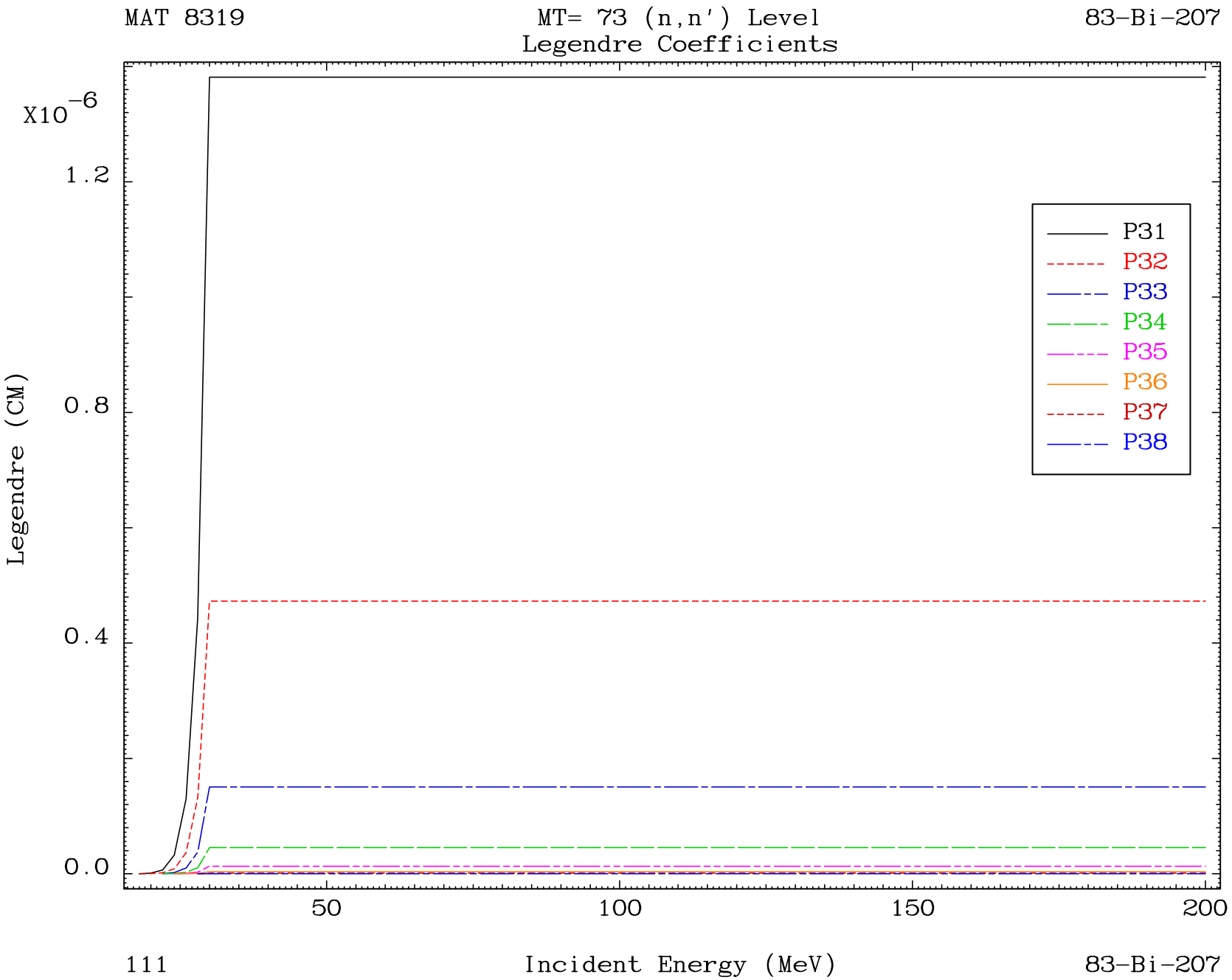

MAT 8319
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
106
Incident Energy (MeV)
83-Bi-207

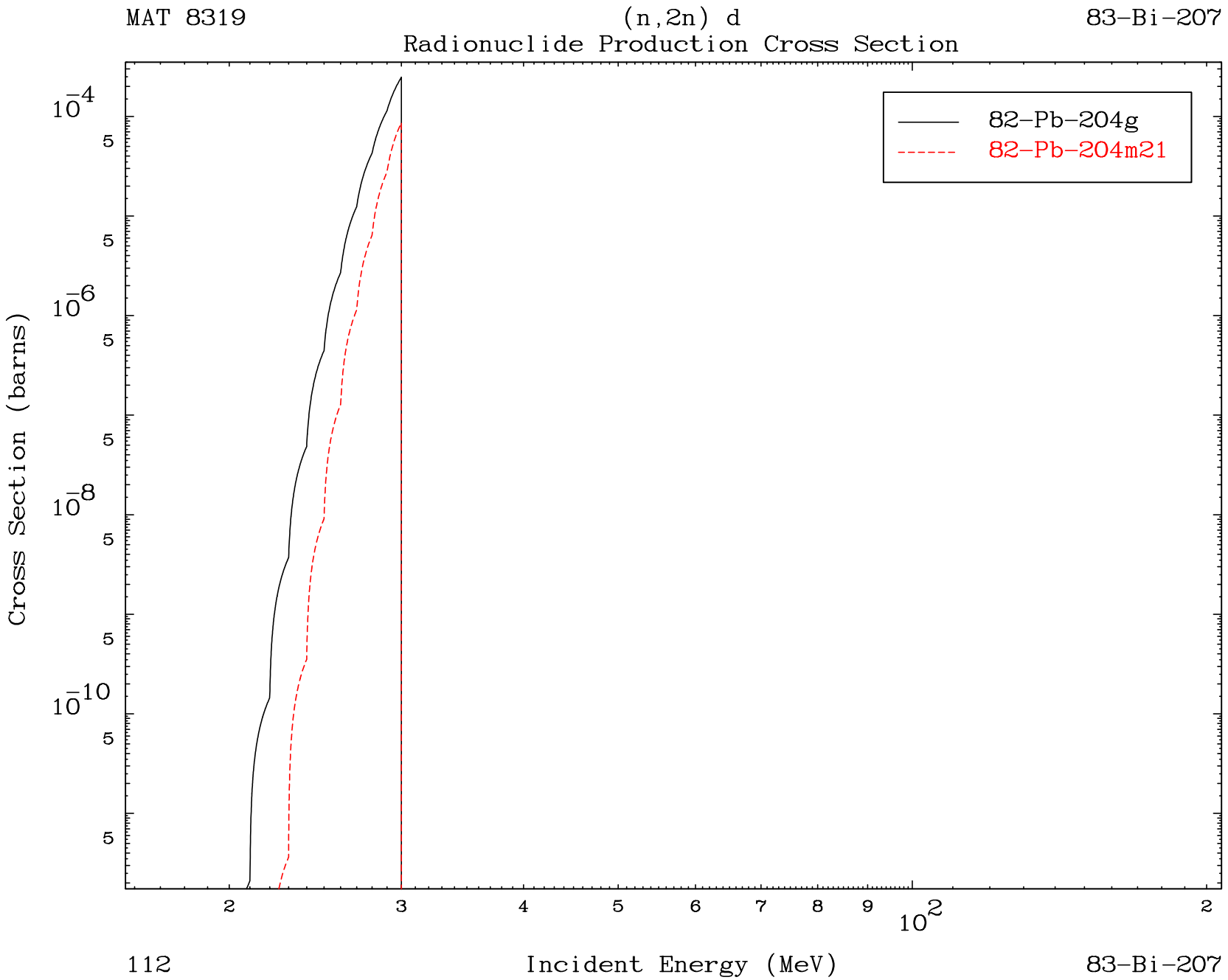

MAT 8319
MT= 72 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
107
Incident Energy (MeV)
83-Bi-207

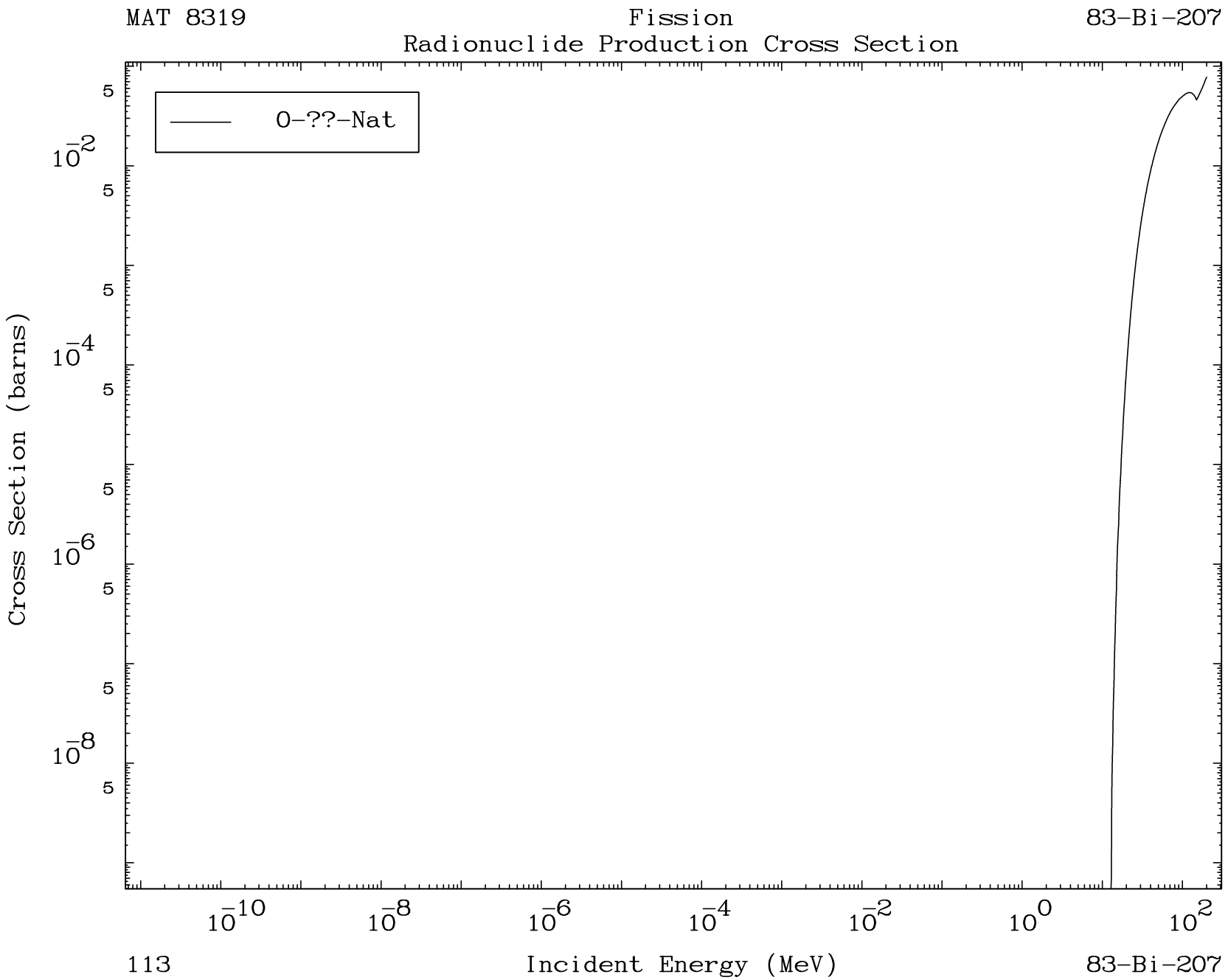

MAT 8319
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-207
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
108
Incident Energy (MeV)
83-Bi-207

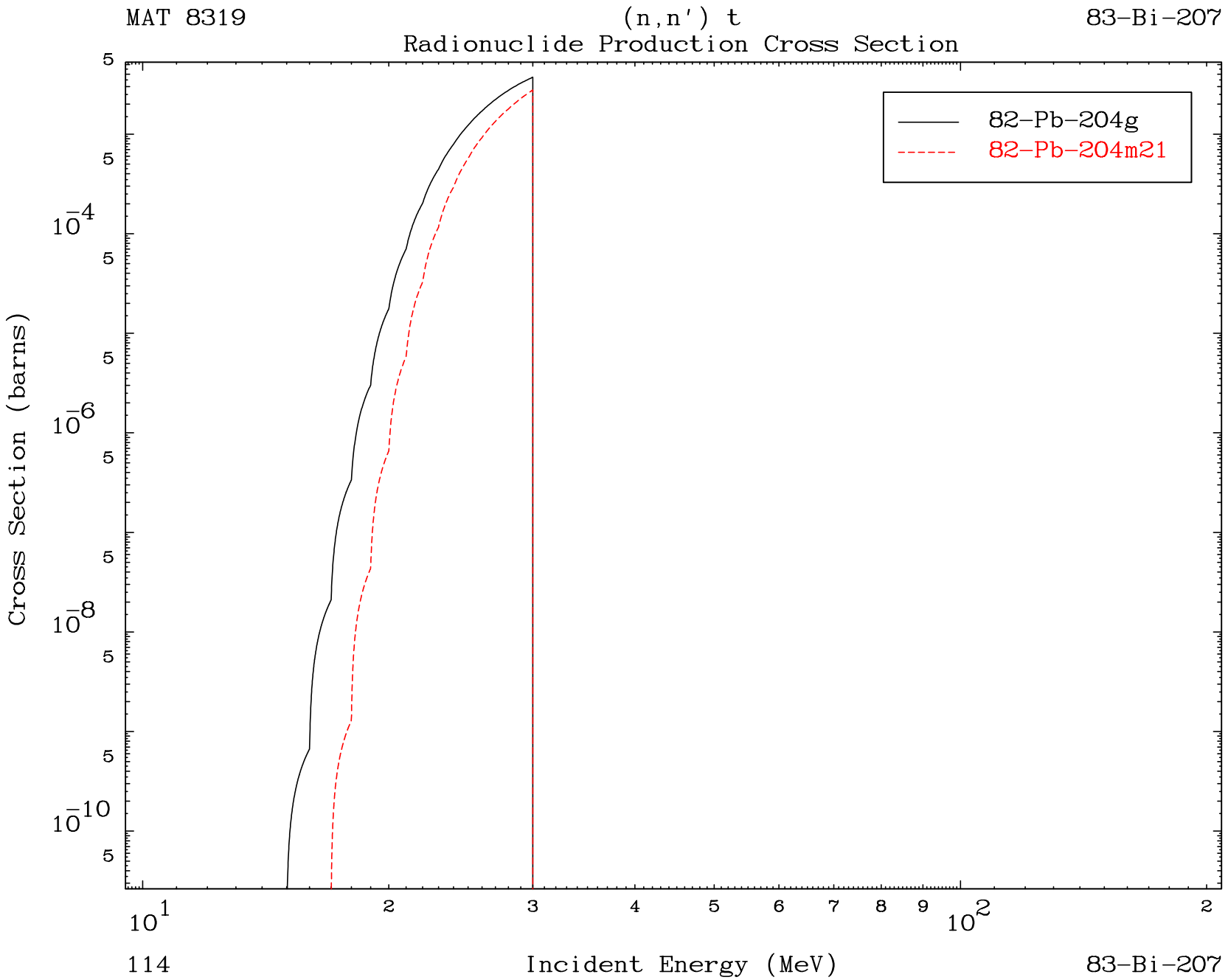

MAT 8319
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-207
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
109
Incident Energy (MeV)
83-Bi-207

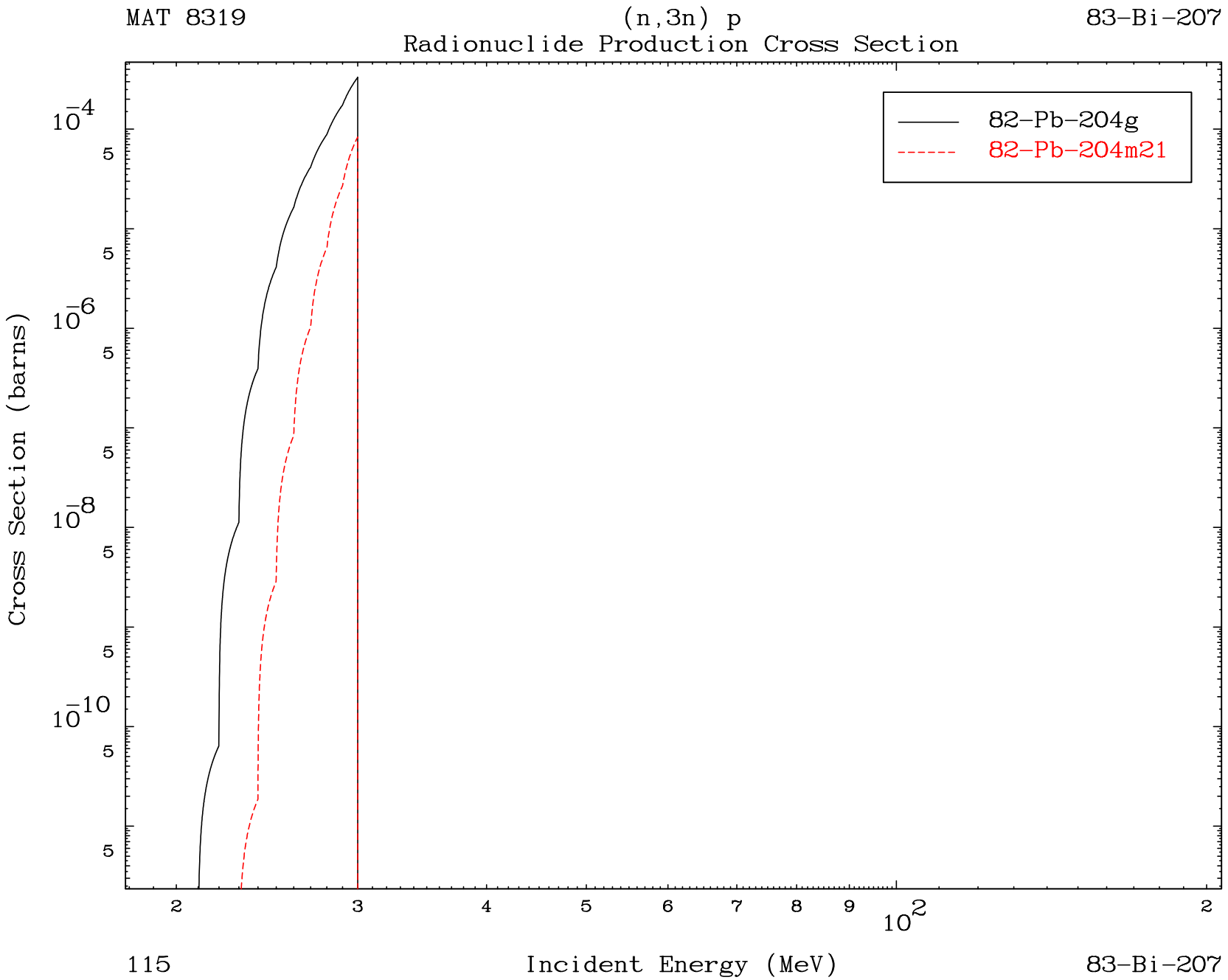

MAT 8319
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-207
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
110
Incident Energy (MeV)
83-Bi-207

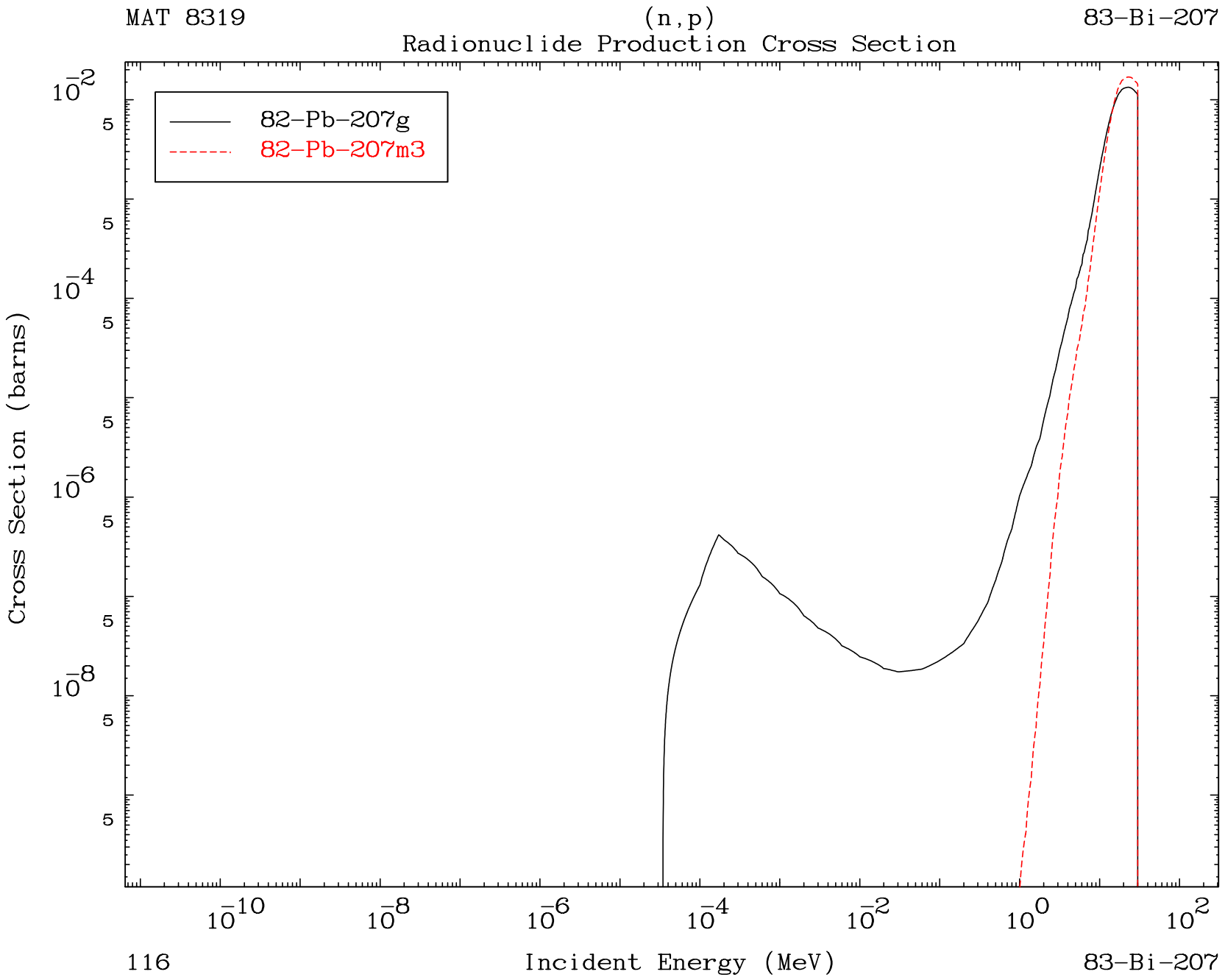

MAT 8319
MT= 73 (n,n') Level
Legendre Coefficients
83-Bi-207
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
111
Incident Energy (MeV)
83-Bi-207

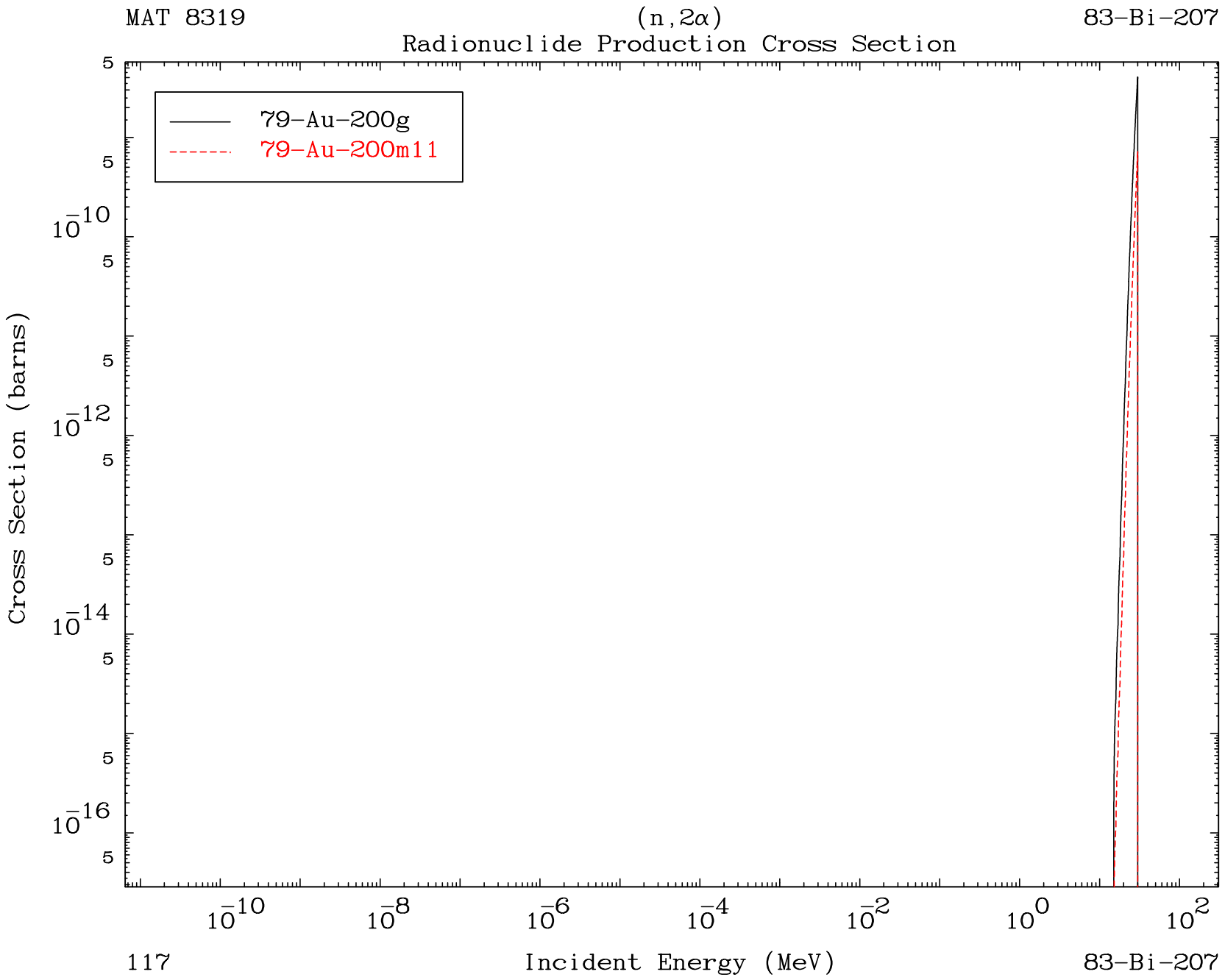

MAT 8319
(n,2n) d
83-Bi-207
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m21
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
112
Incident Energy (MeV)
83-Bi-207

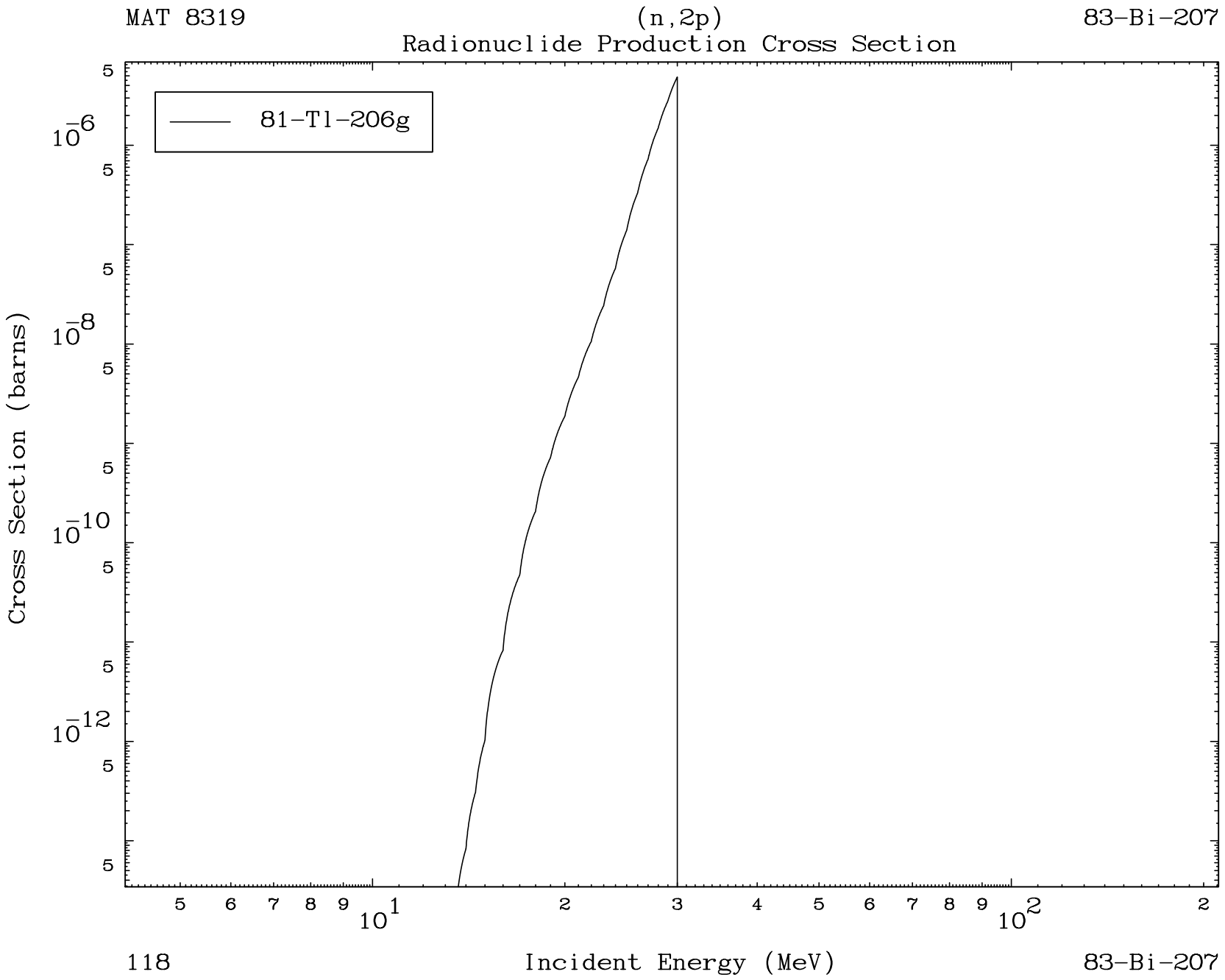

MAT 8319
Fission
83-Bi-207
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
113
83-Bi-207


MAT 8319
(n,n') t
83-Bi-207
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m21
Cross Section (barns)
Incident Energy (MeV)
114
83-Bi-207


MAT 8319
(n,3n) p
83-Bi-207
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m21
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
115
Incident Energy (MeV)
83-Bi-207


MAT 8319
(n,p)
83-Bi-207
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
116
83-Bi-207


MAT 8319
(n,2α)
83-Bi-207
Radionuclide Production Cross Section
79-Au-200g
79-Au-200m11
Cross Section (barns)
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
5
10^-16
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
117
Incident Energy (MeV)
83-Bi-207


MAT 8319
(n,2p)
83-Bi-207
Radionuclide Production Cross Section
81-Tl-206g
Cross Section (barns)
Incident Energy (MeV)
118
83-Bi-207