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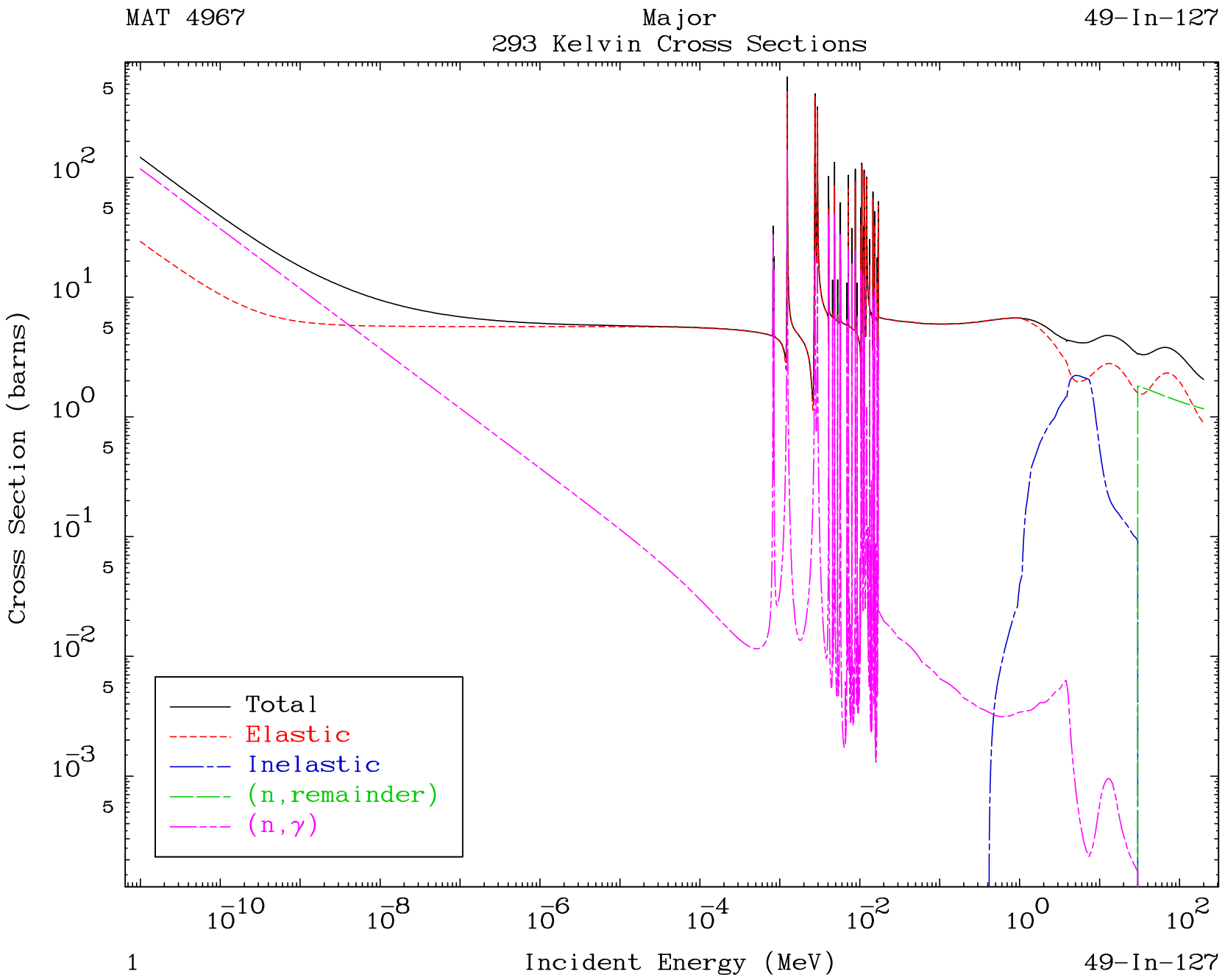
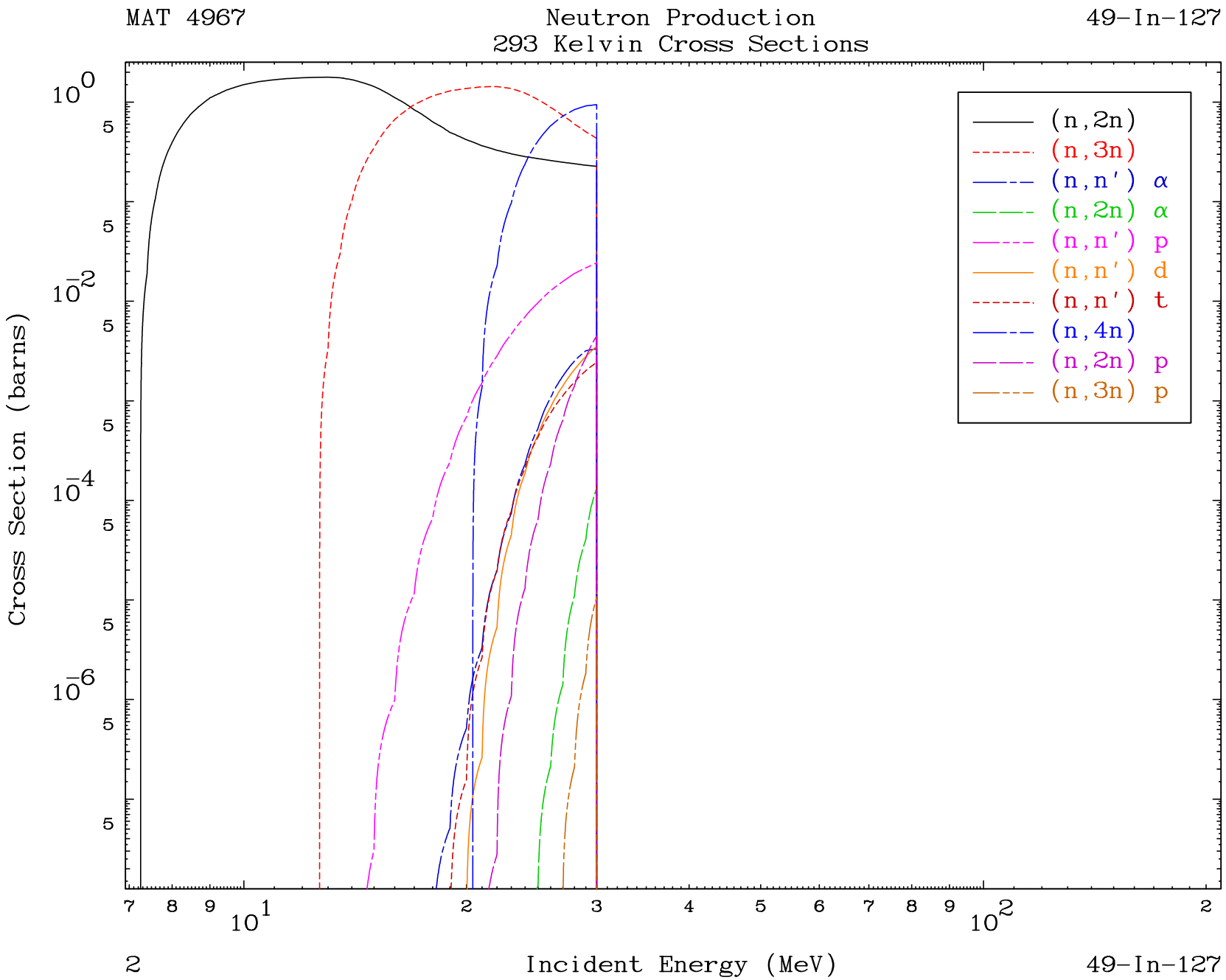
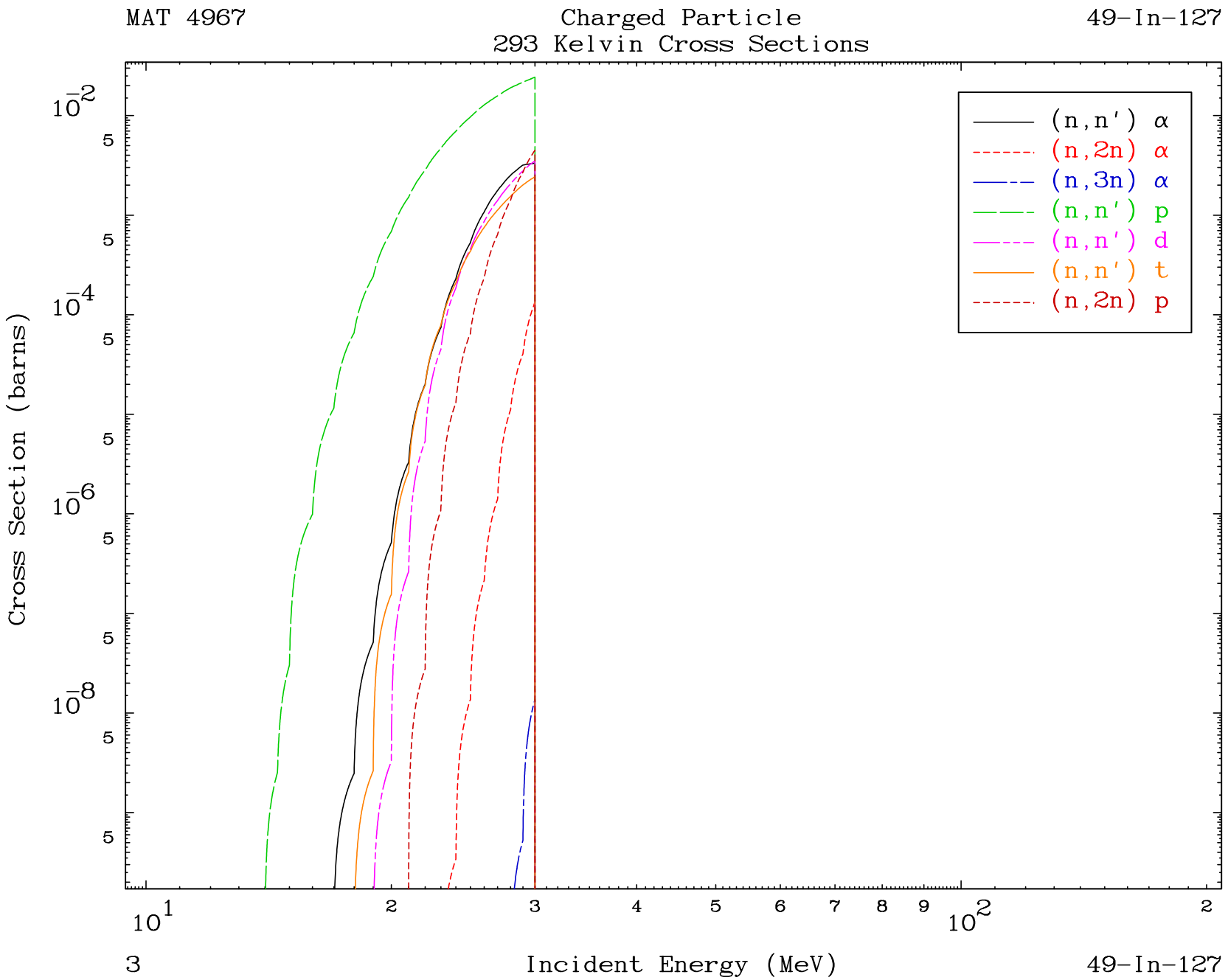
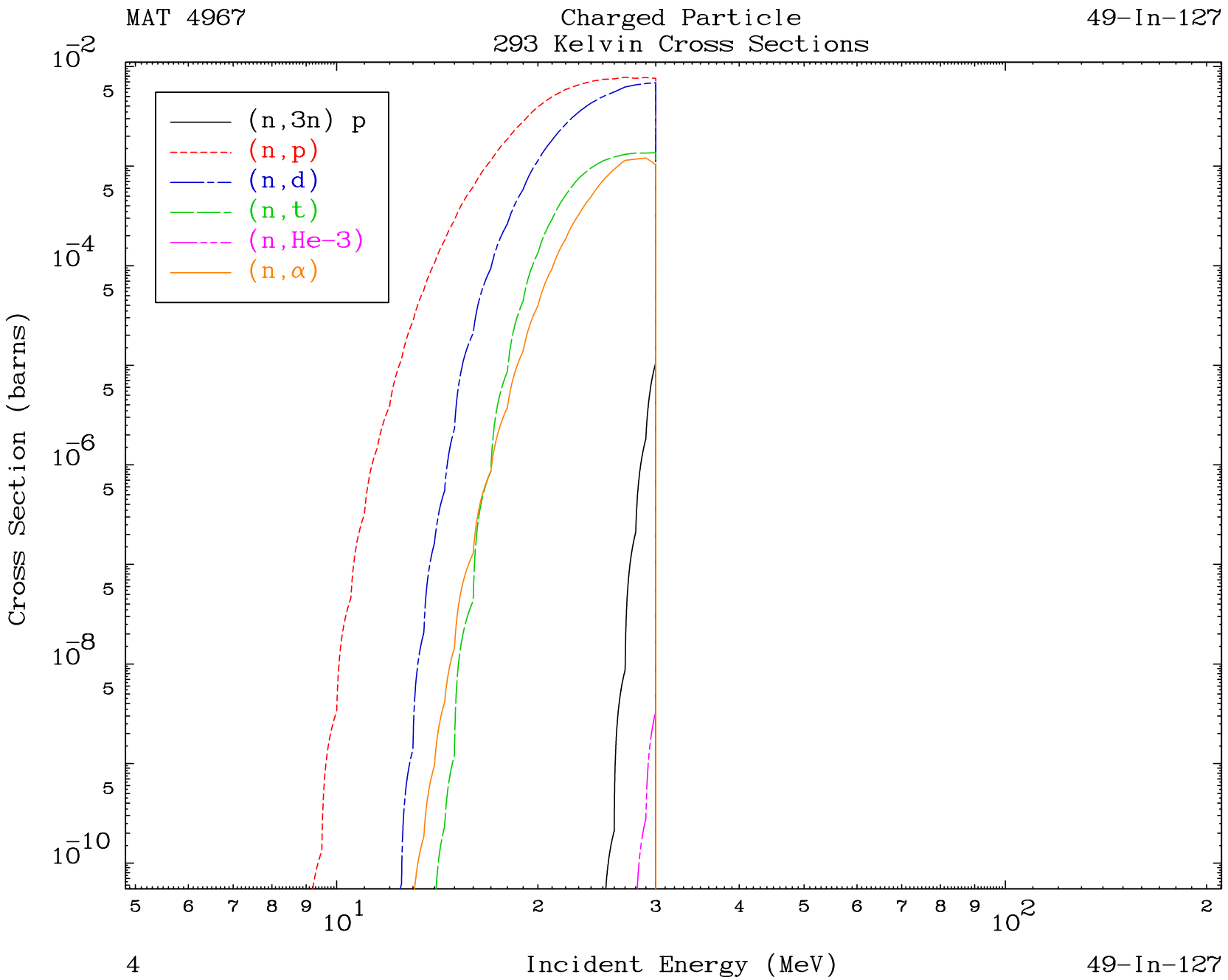
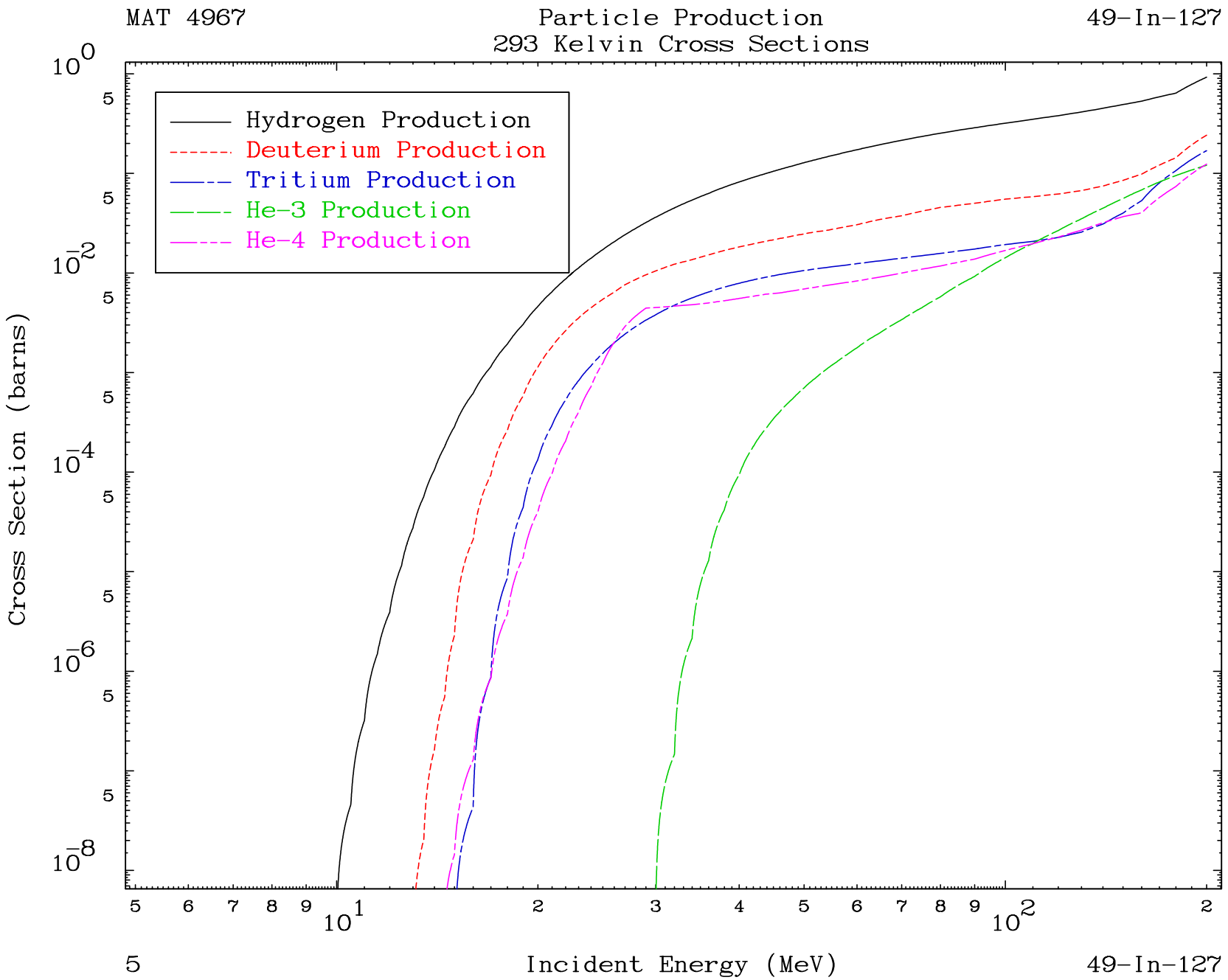
Press Mouse Button to Start

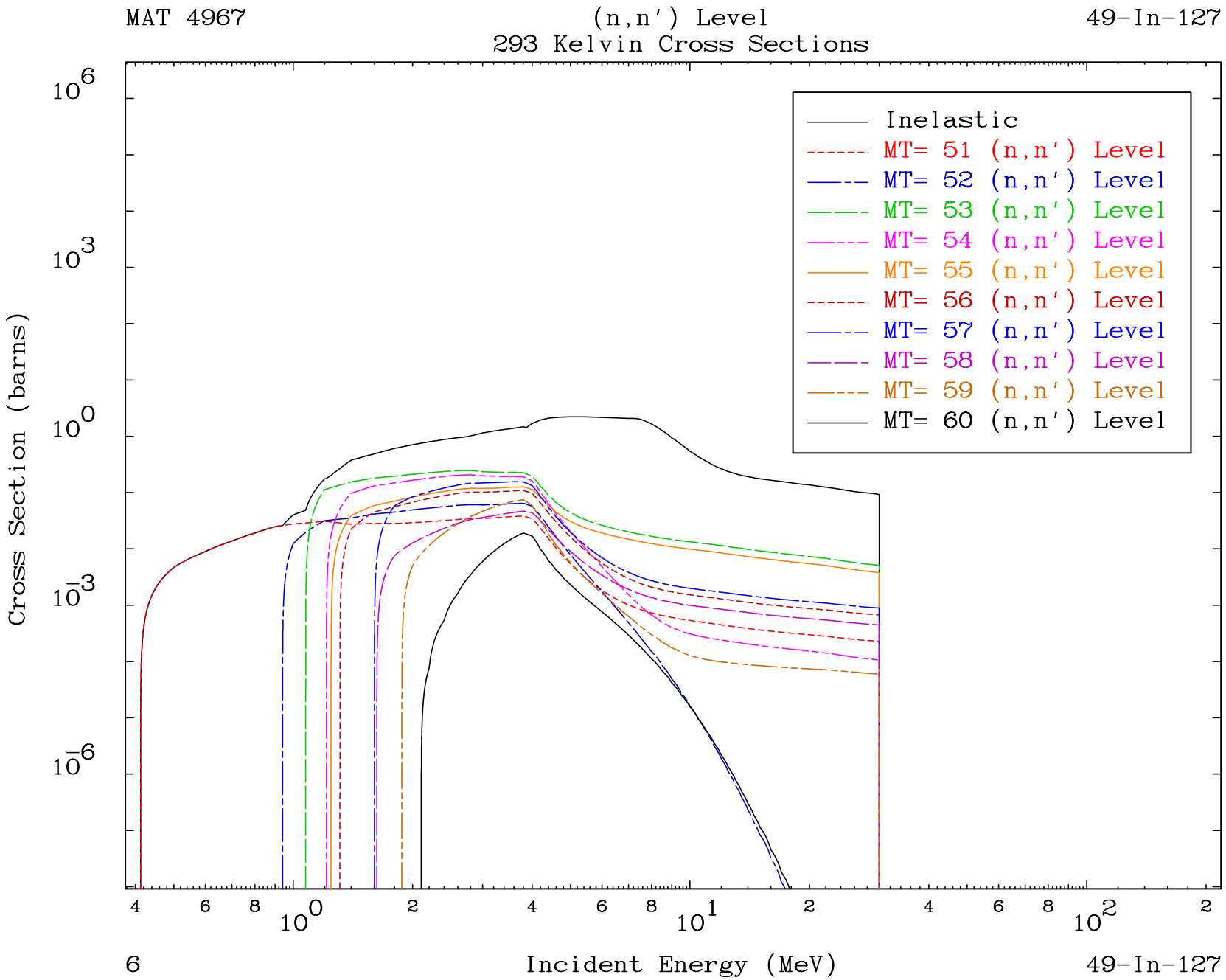

MAT 4967
Major
49-In-127
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
49-In-127

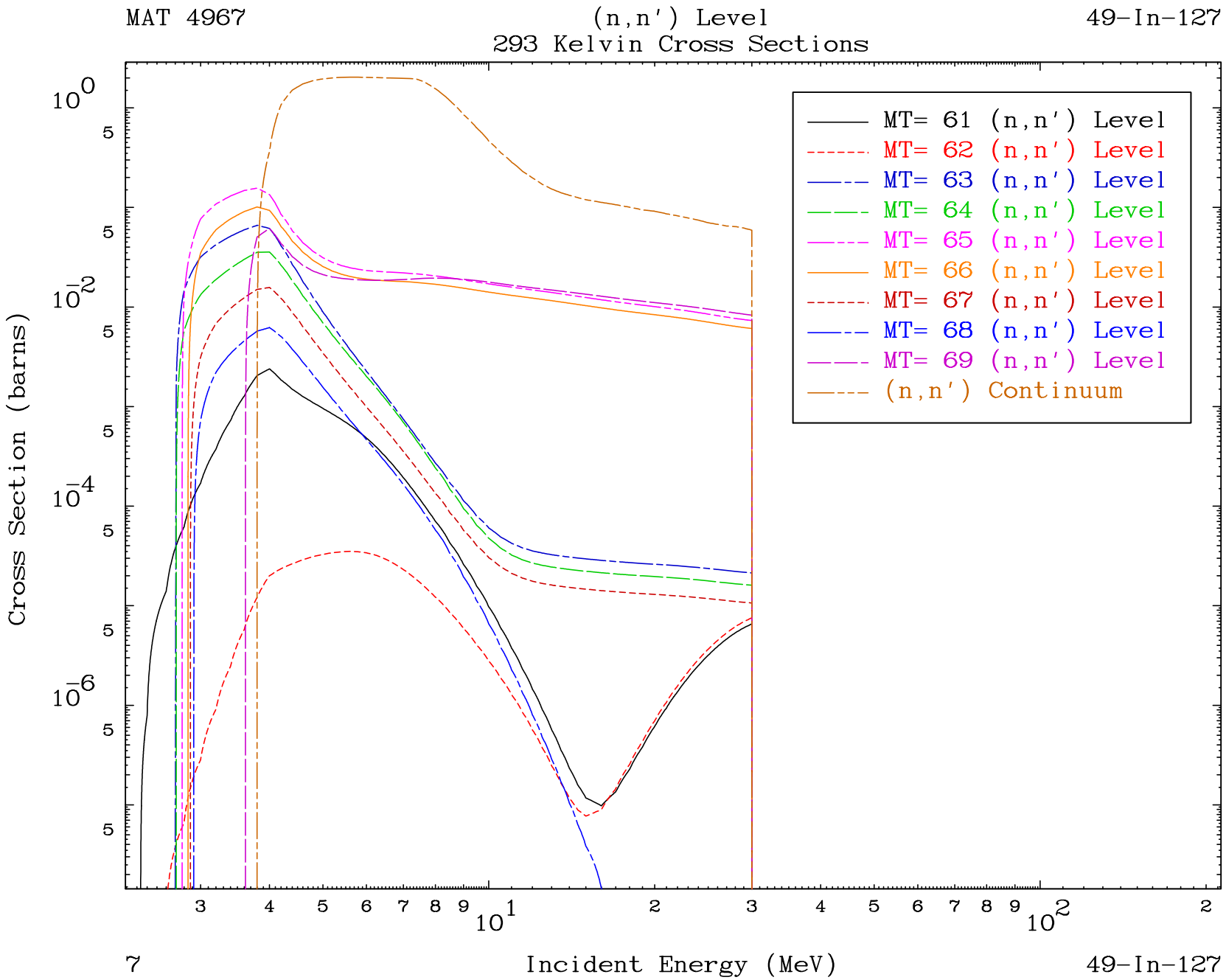

MAT 4967
Neutron Production
293 Kelvin Cross Sections
49-In-127
Cross Section (barns)
Incident Energy (MeV)
49-In-127
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,4n)
(n,2n) p
(n,3n) p

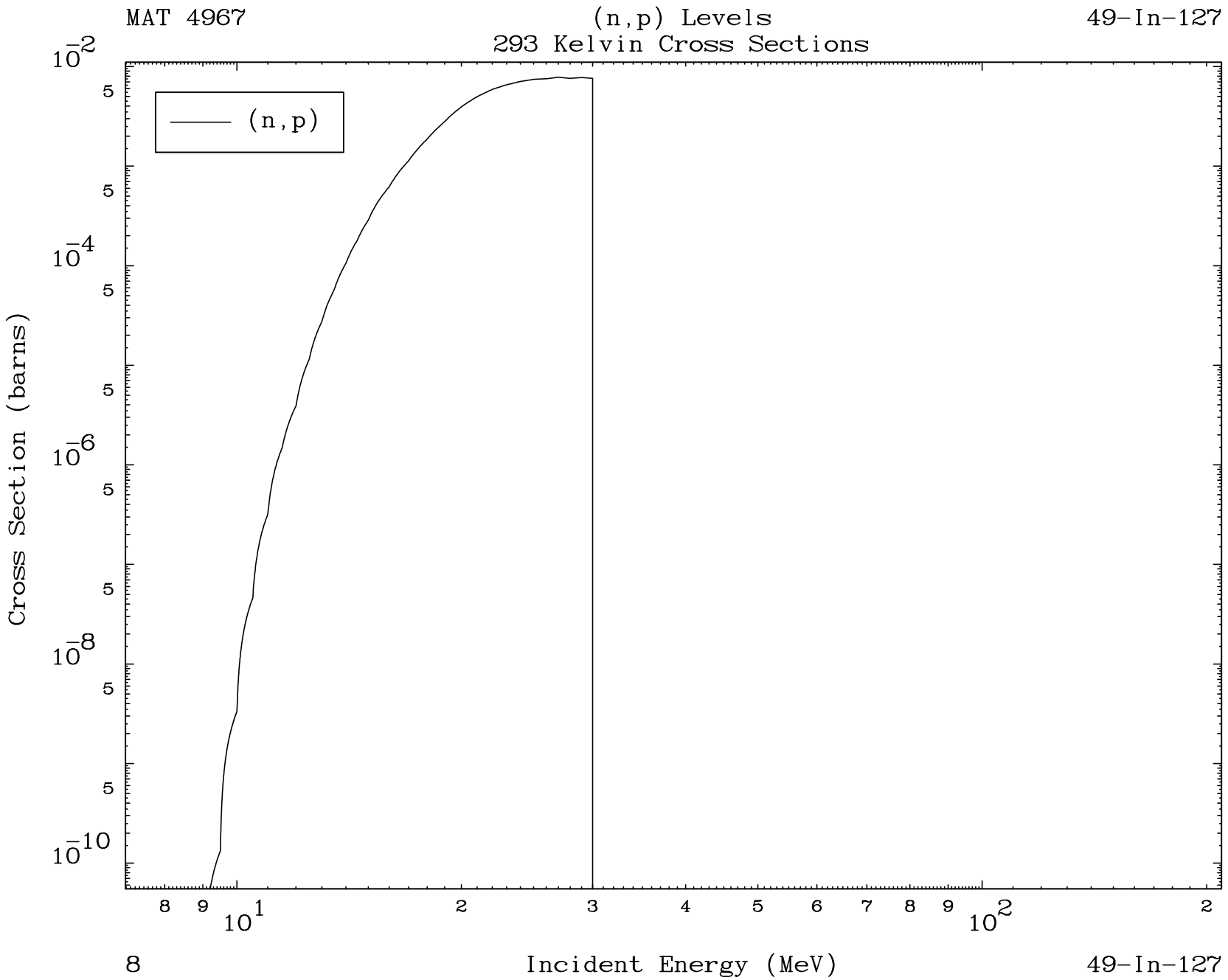

MAT 4967
Charged Particle
293 Kelvin Cross Sections
49-In-127
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
3
49-In-127

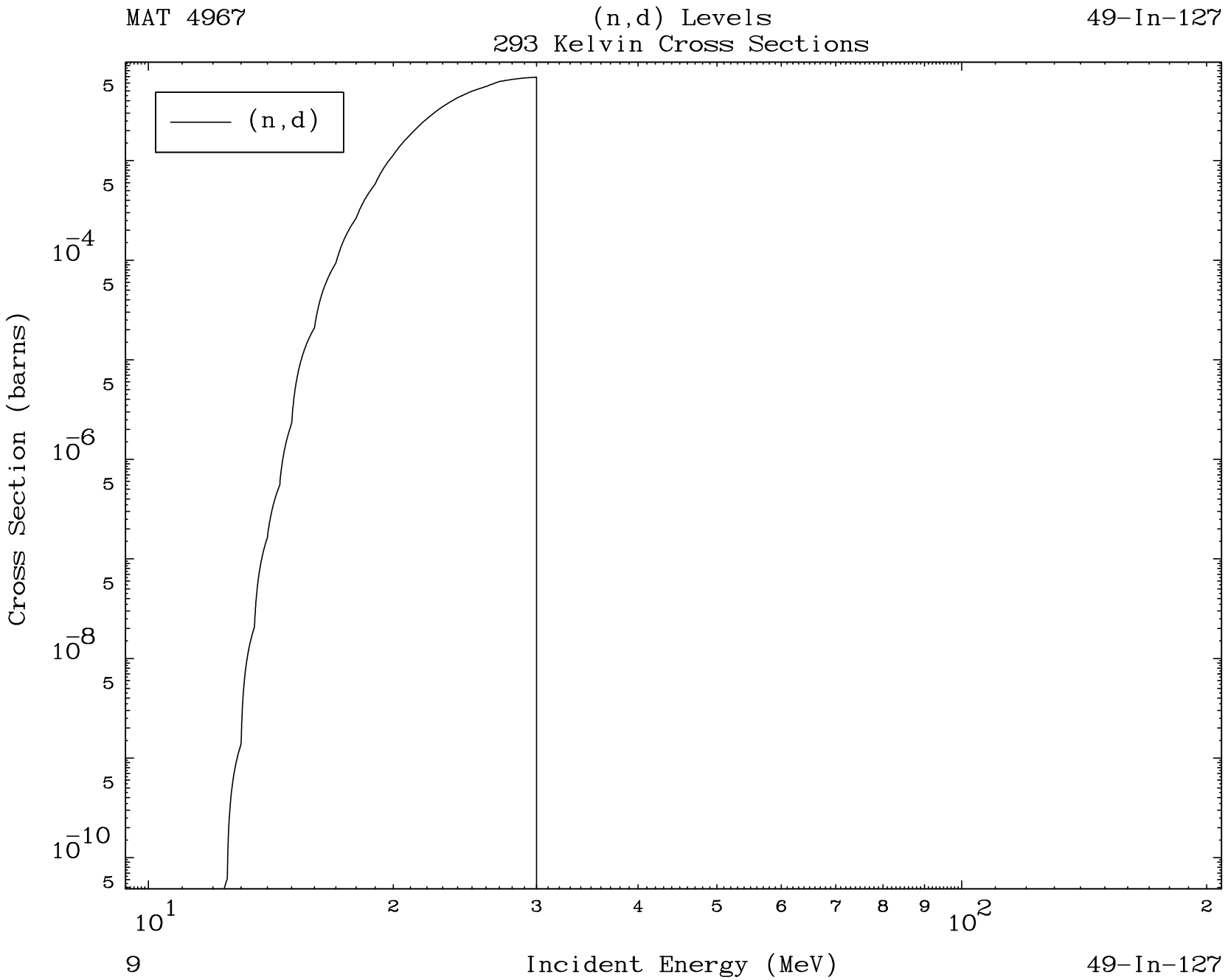

MAT 4967
Charged Particle
293 Kelvin Cross Sections
49-In-127
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
49-In-127
4

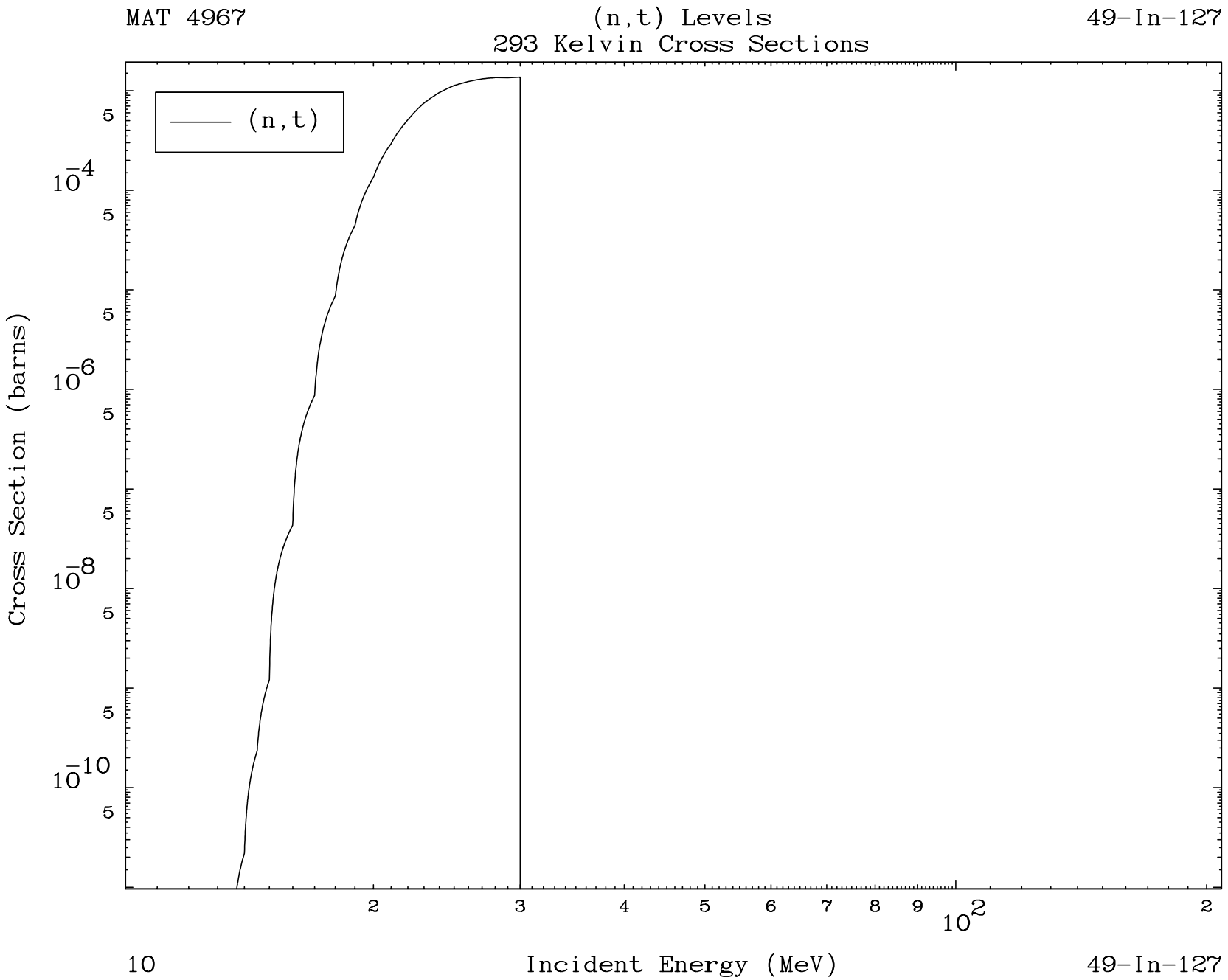

MAT 4967
Particle Production
293 Kelvin Cross Sections
49-In-127
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
49-In-127

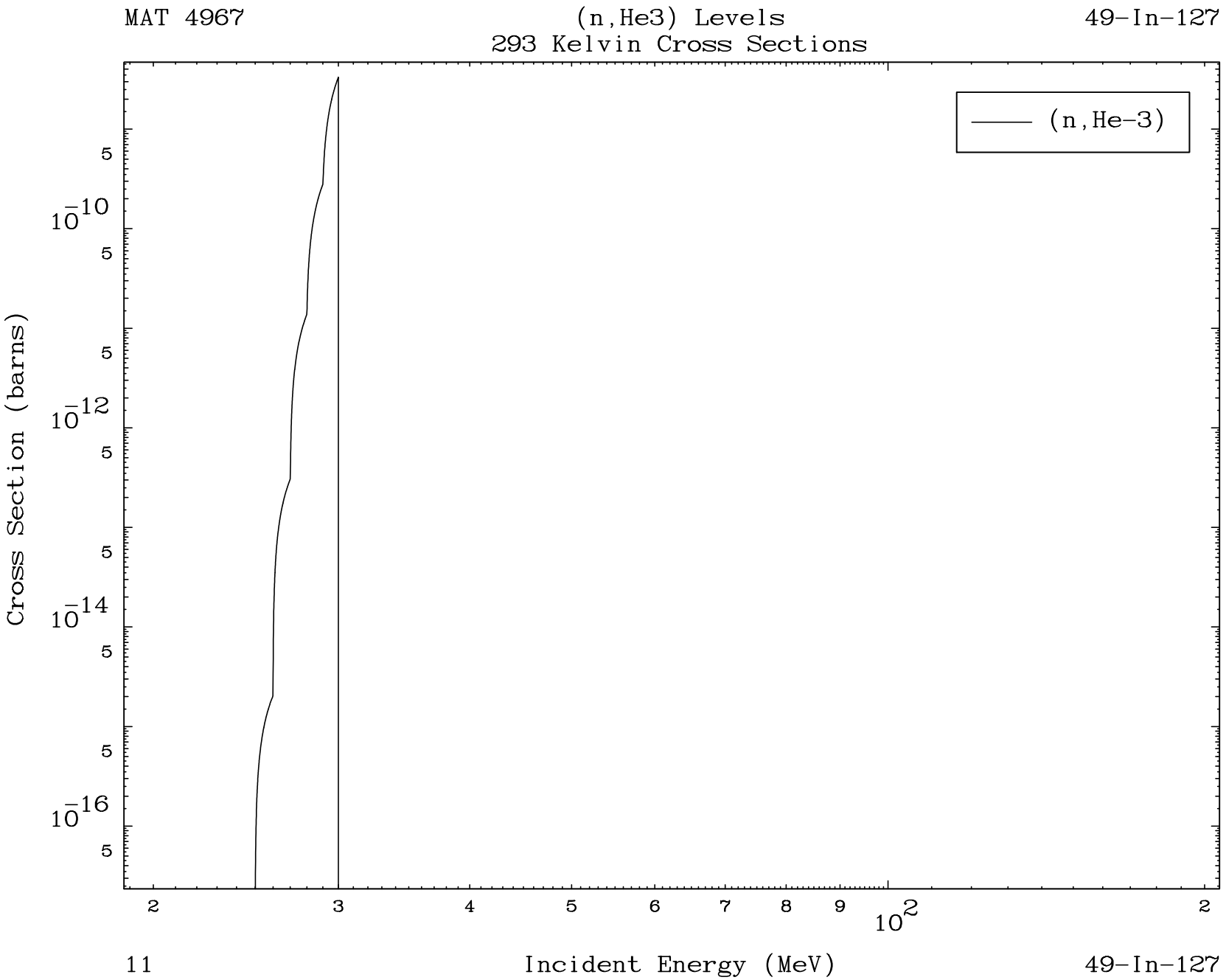

MAT 4967
(n,n') Level
293 Kelvin Cross Sections
49-In-127
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
6
49-In-127

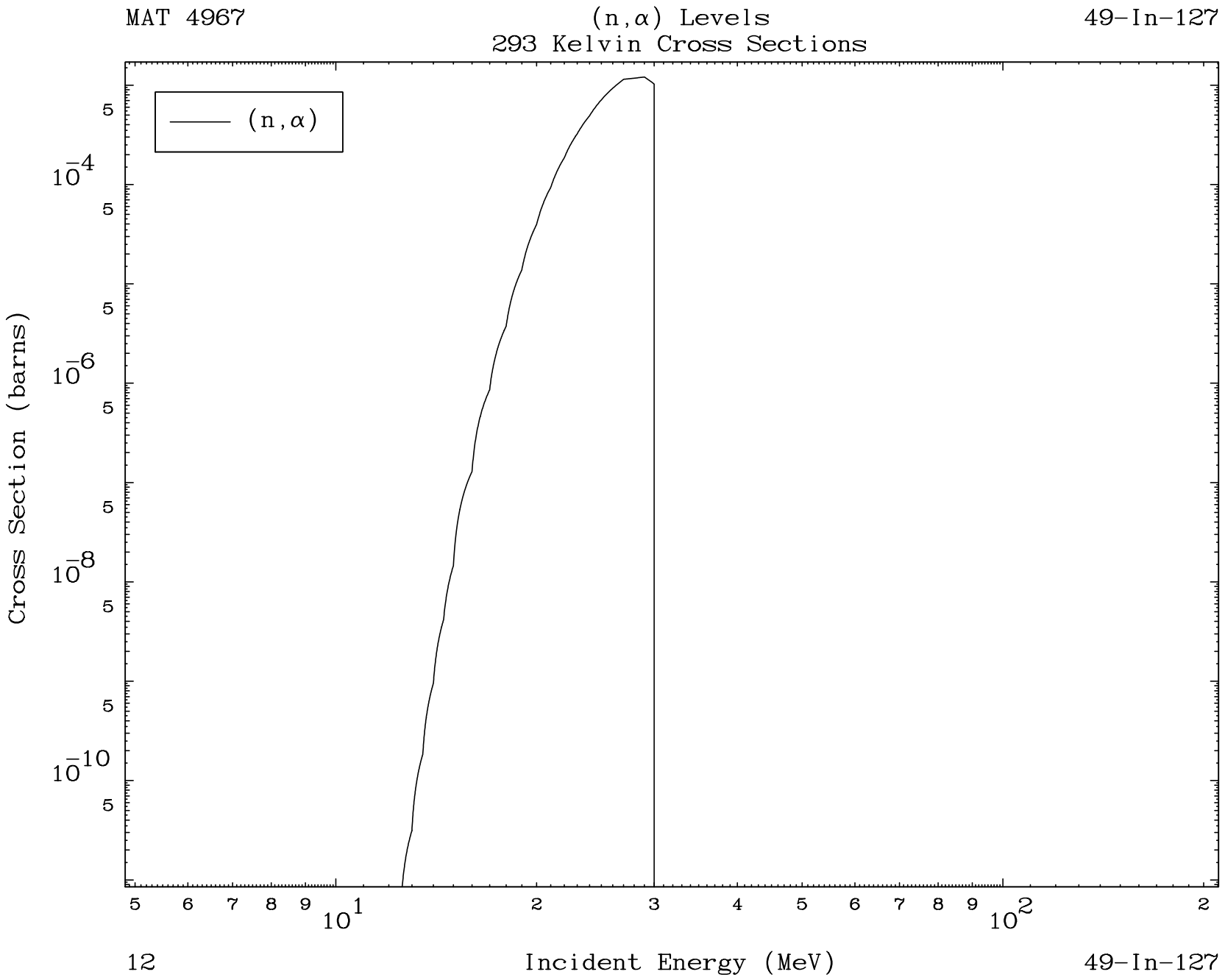

MAT 4967
(n,n') Level
293 Kelvin Cross Sections
49-In-127
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
7
49-In-127

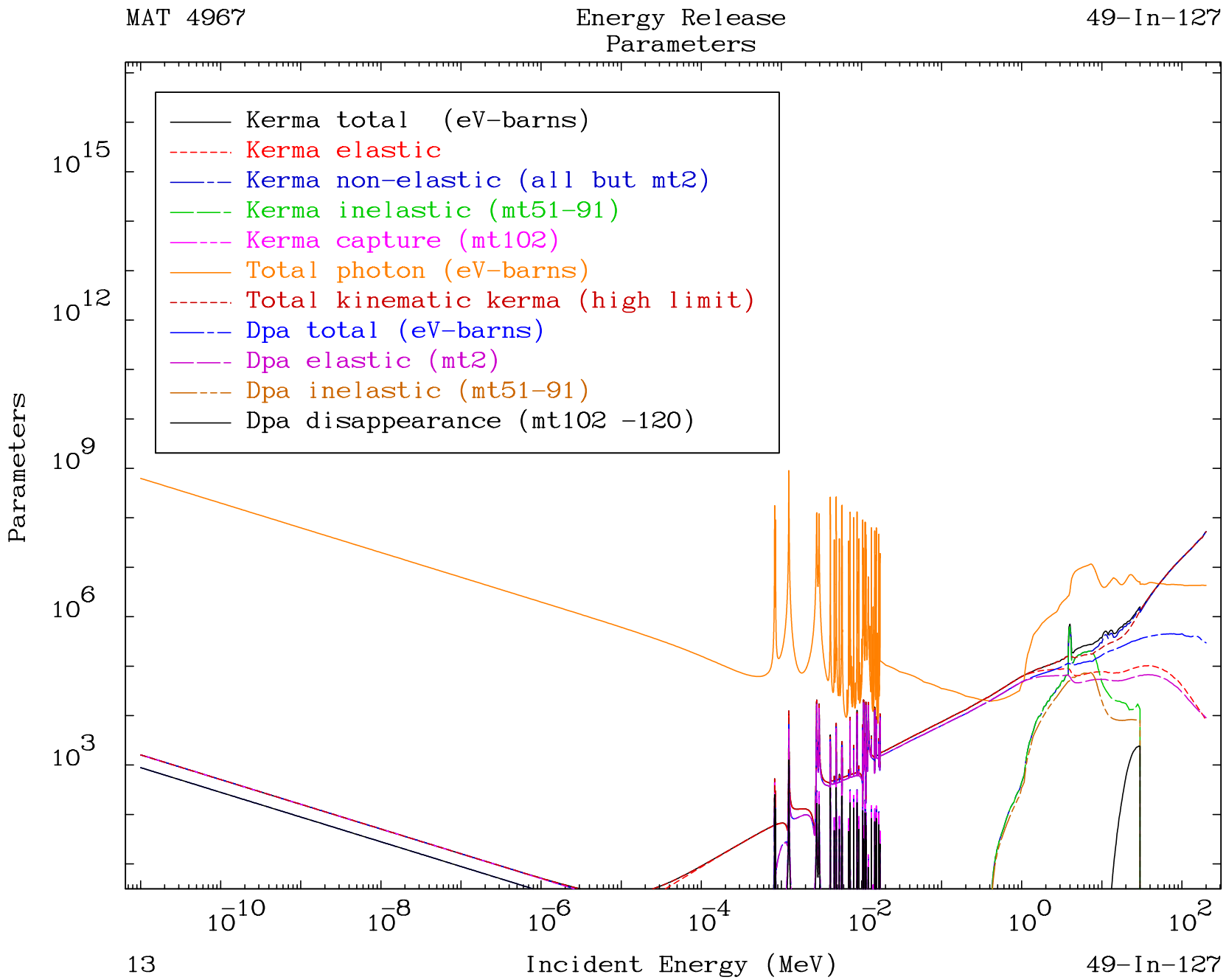

MAT 4967
(n,p) Levels
49-In-127
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
49-In-127
8

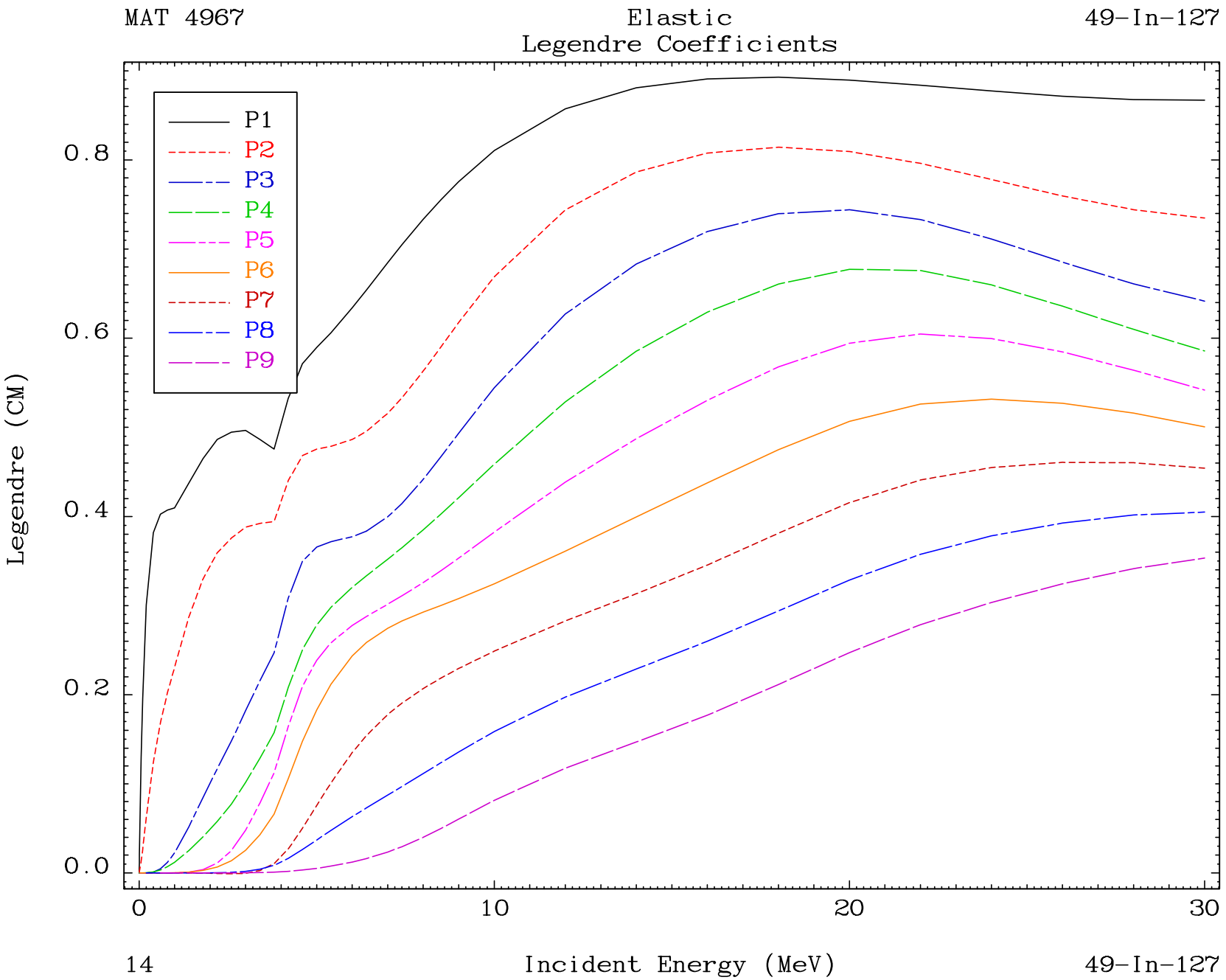

MAT 4967
(n,d) Levels
49-In-127
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
49-In-127

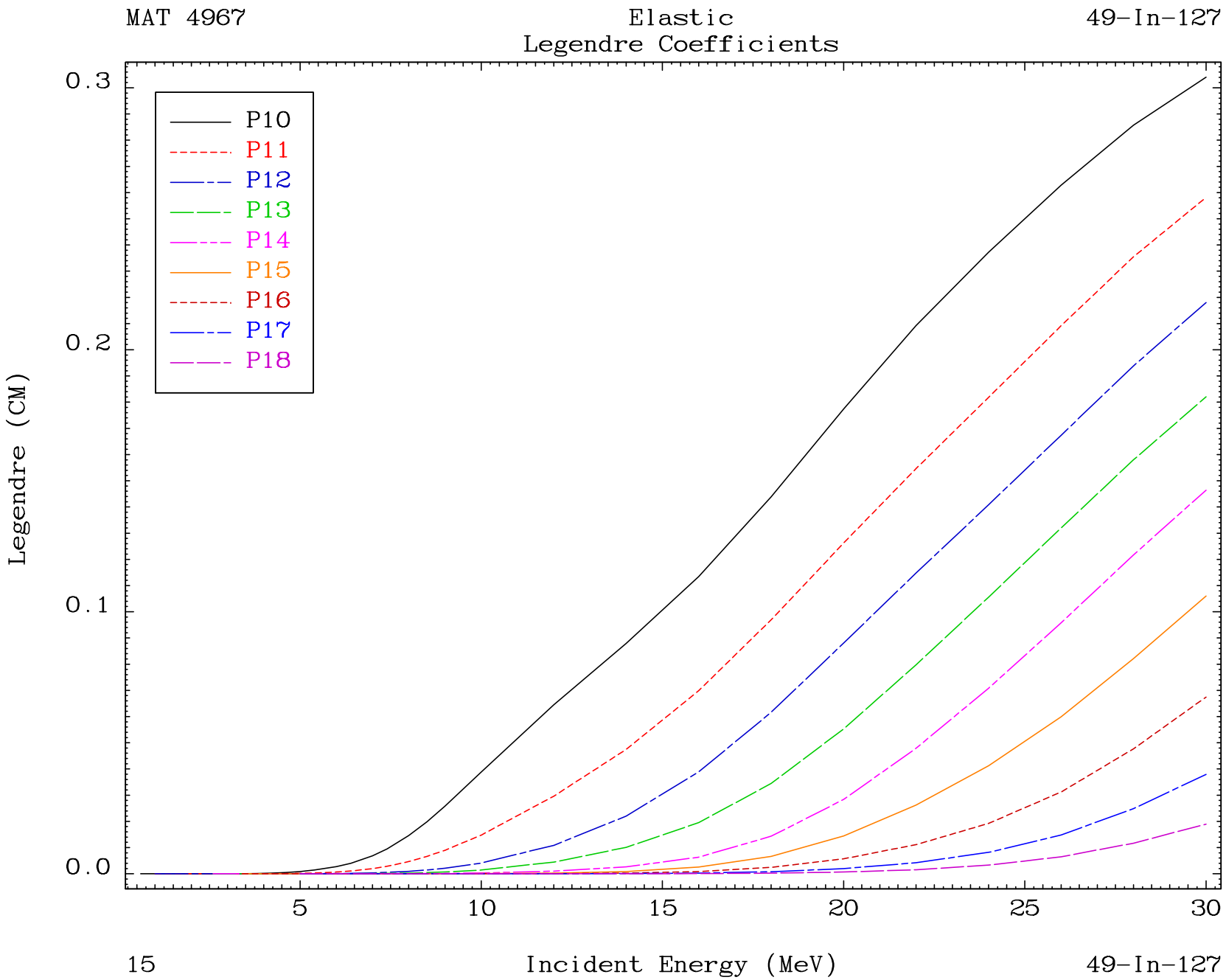

MAT 4967
(n,t) Levels
49-In-127
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
49-In-127

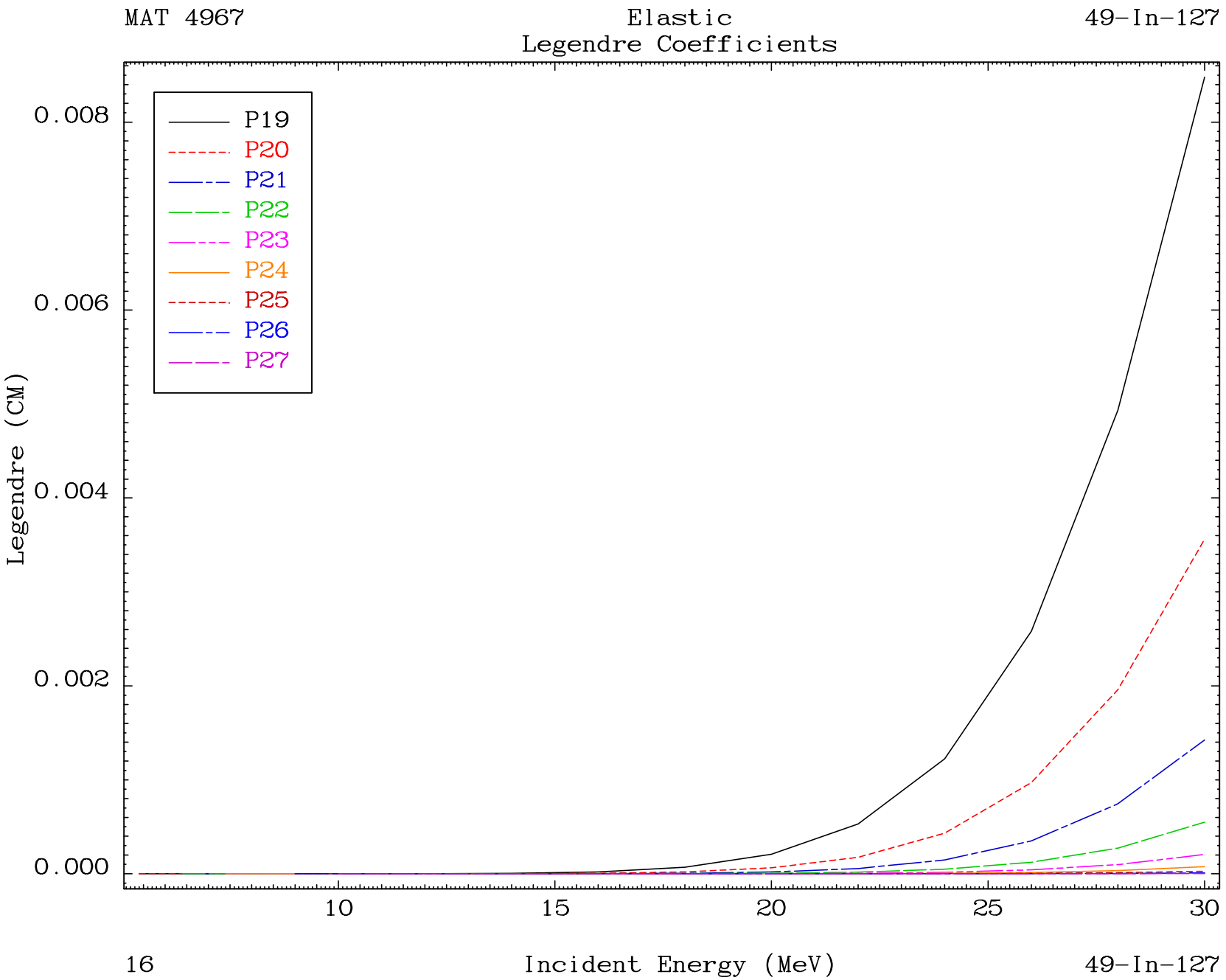

MAT 4967
(n,He3) Levels
49-In-127
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
49-In-127

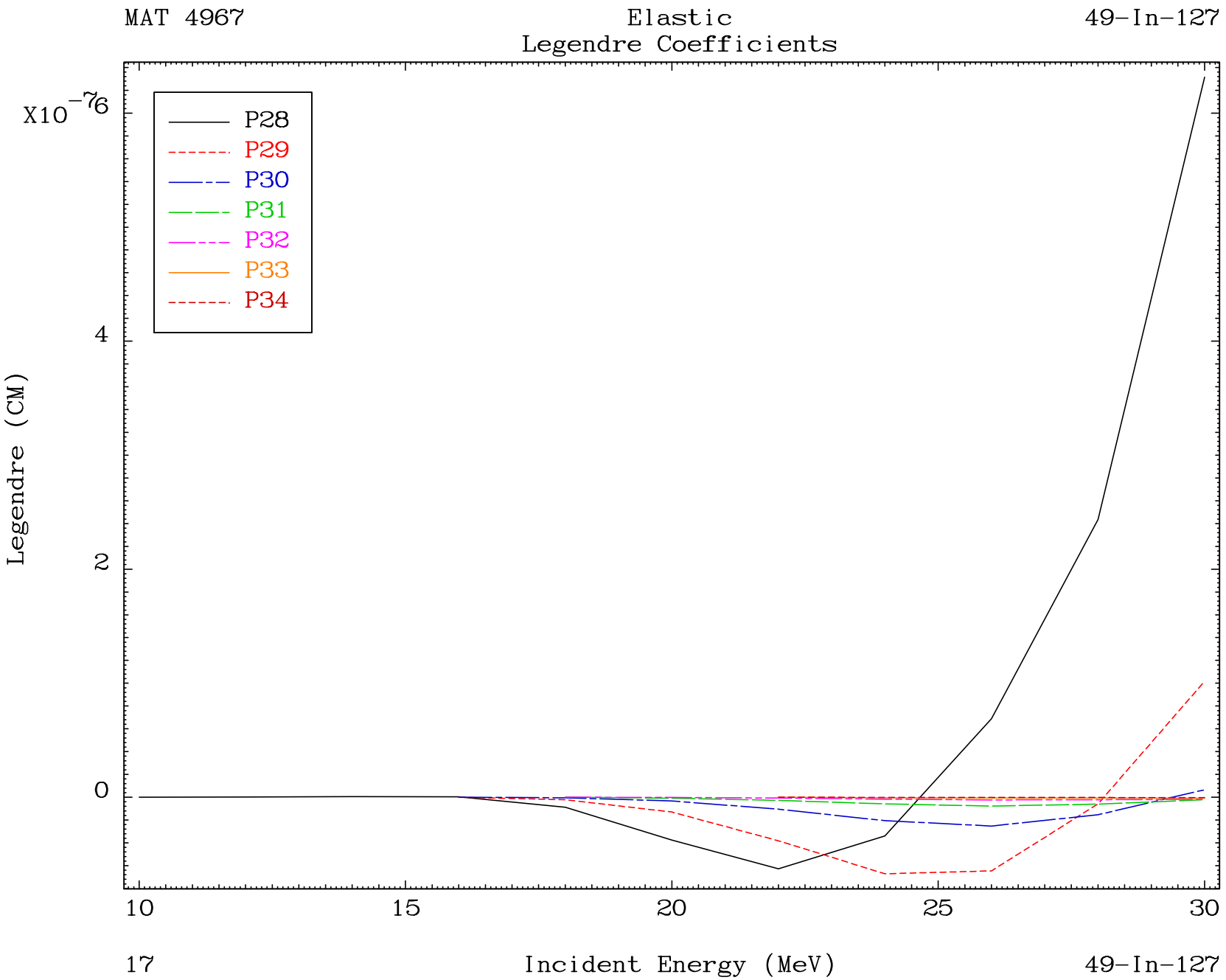

MAT 4967
(n,α) Levels
49-In-127
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-127

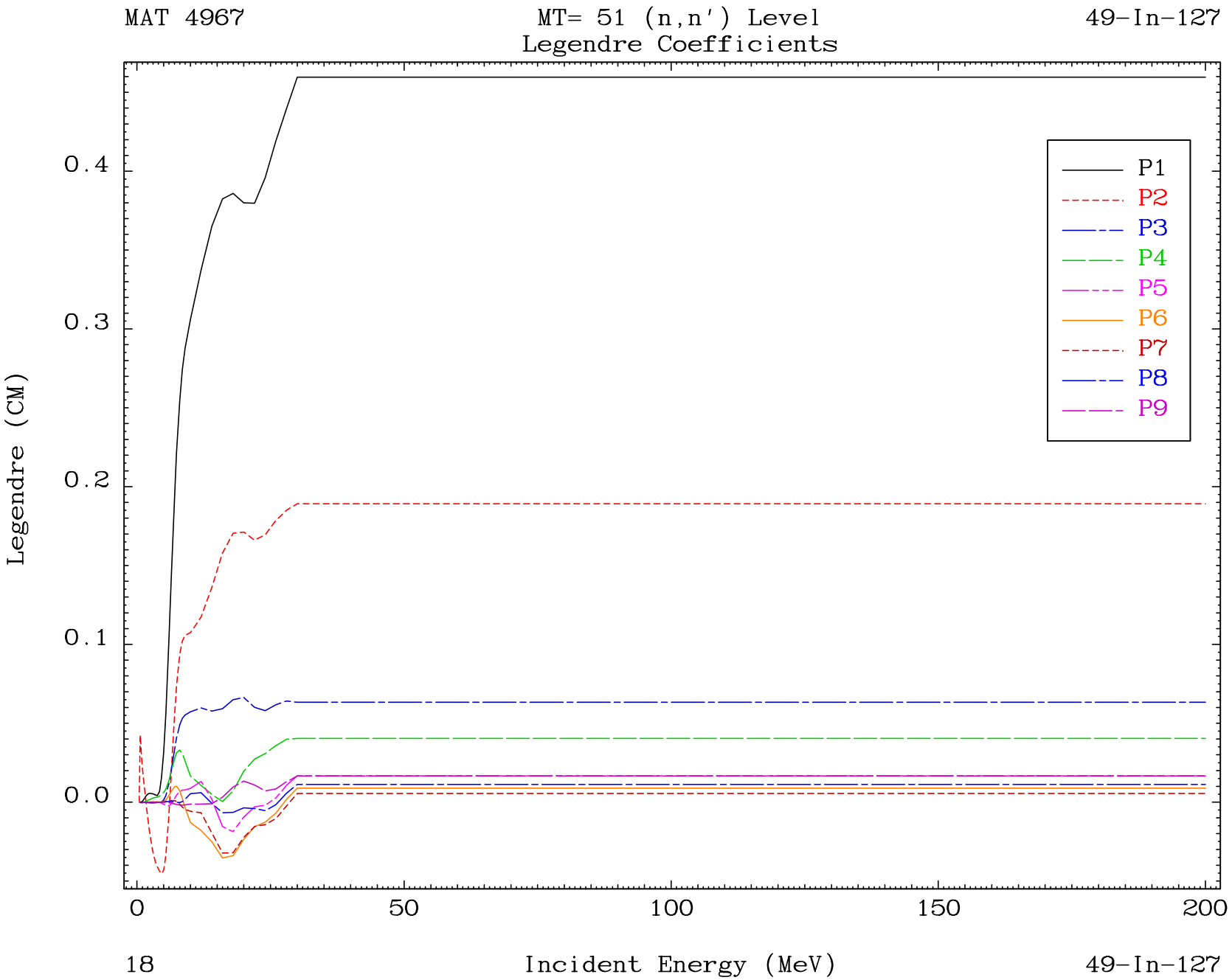

MAT 4967
Energy Release
Parameters
49-In-127
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^15
10^12
10^9
10^6
10^3
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
13
Incident Energy (MeV)
49-In-127

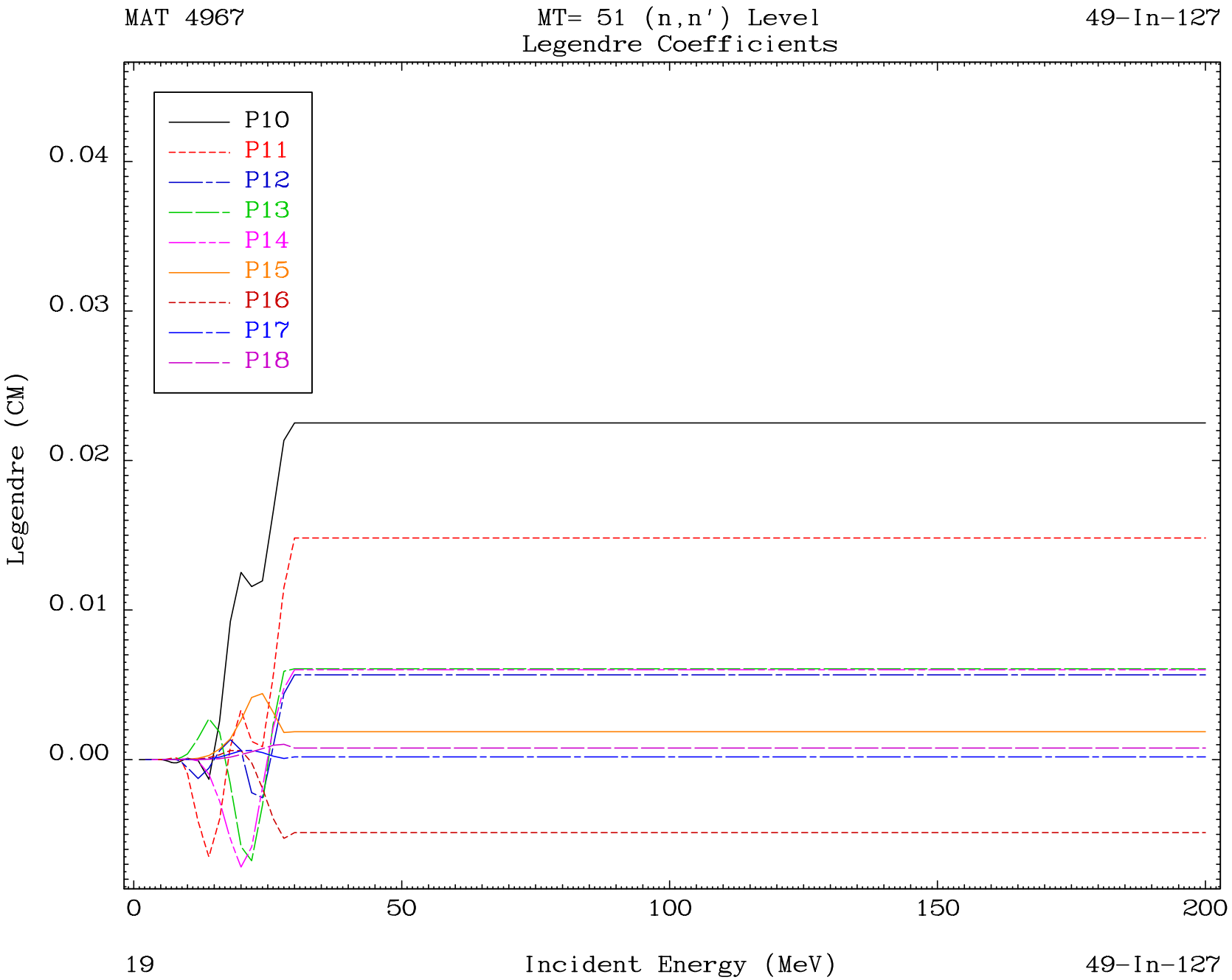

MAT 4967
Elastic
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
14
Incident Energy (MeV)
49-In-127

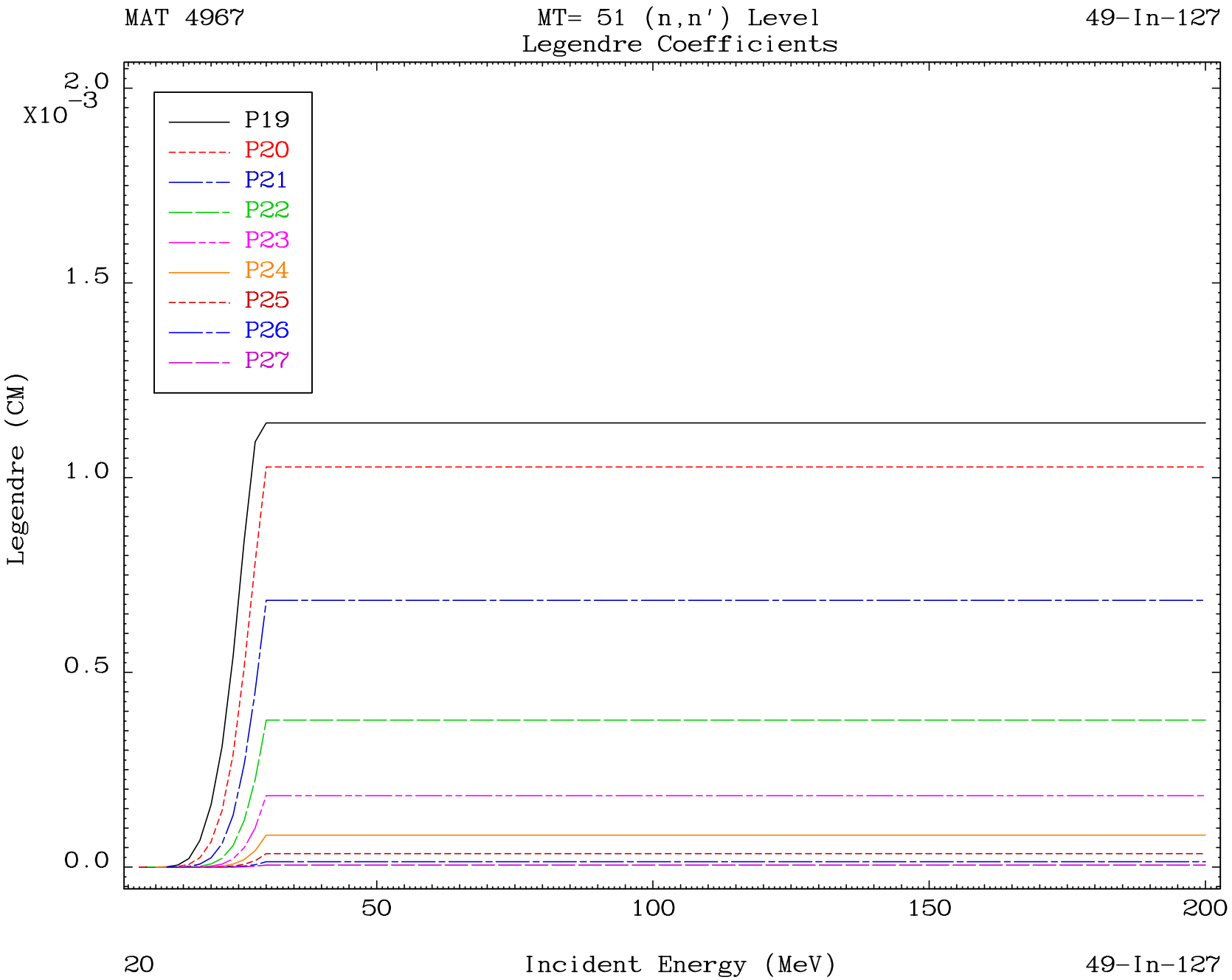

MAT 4967
Elastic
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.3
0.2
0.1
0.0
Legendre (CM)
5
10
15
20
25
30
15
Incident Energy (MeV)
49-In-127

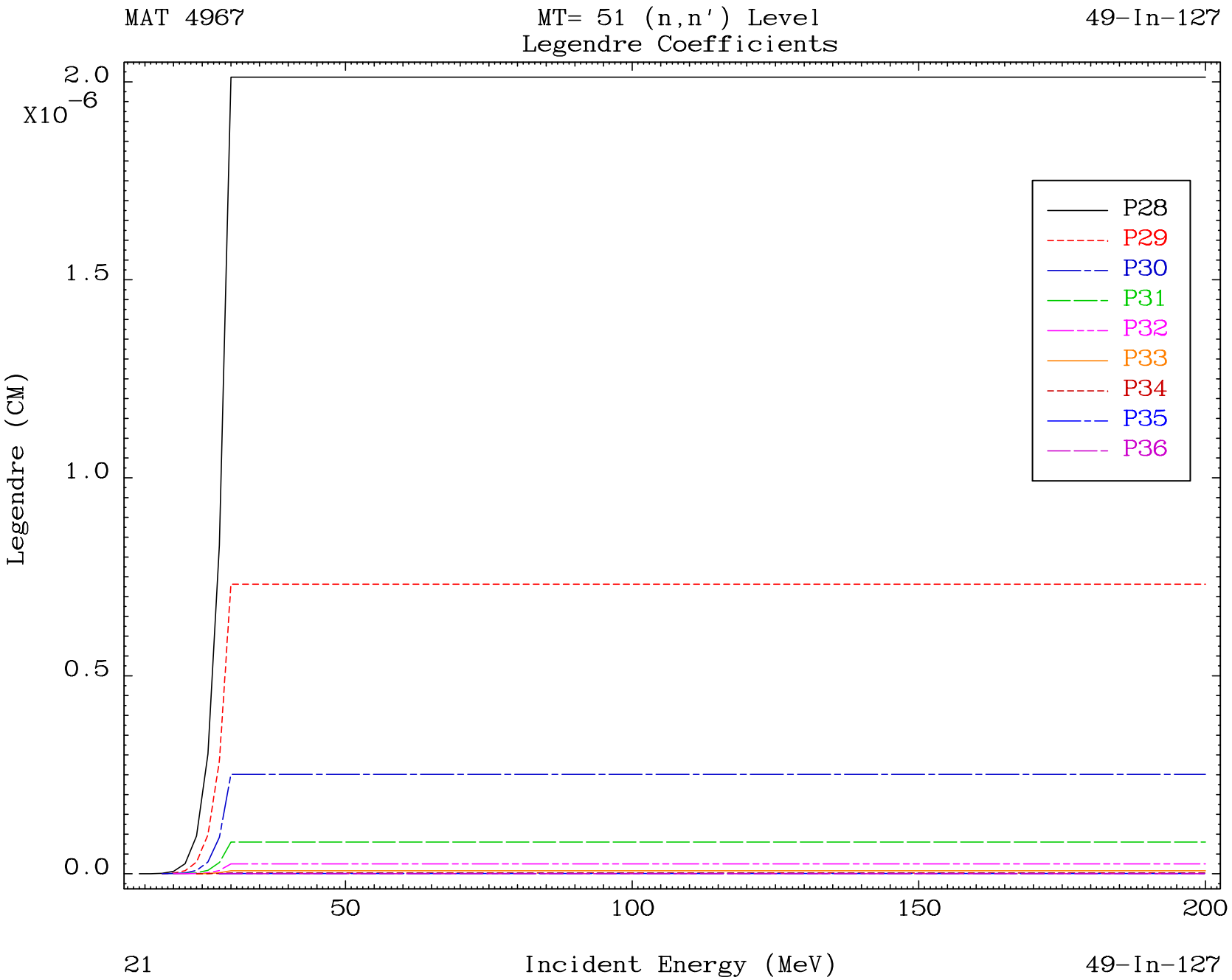

MAT 4967
Elastic
Legendre Coefficients
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
16
Incident Energy (MeV)
49-In-127

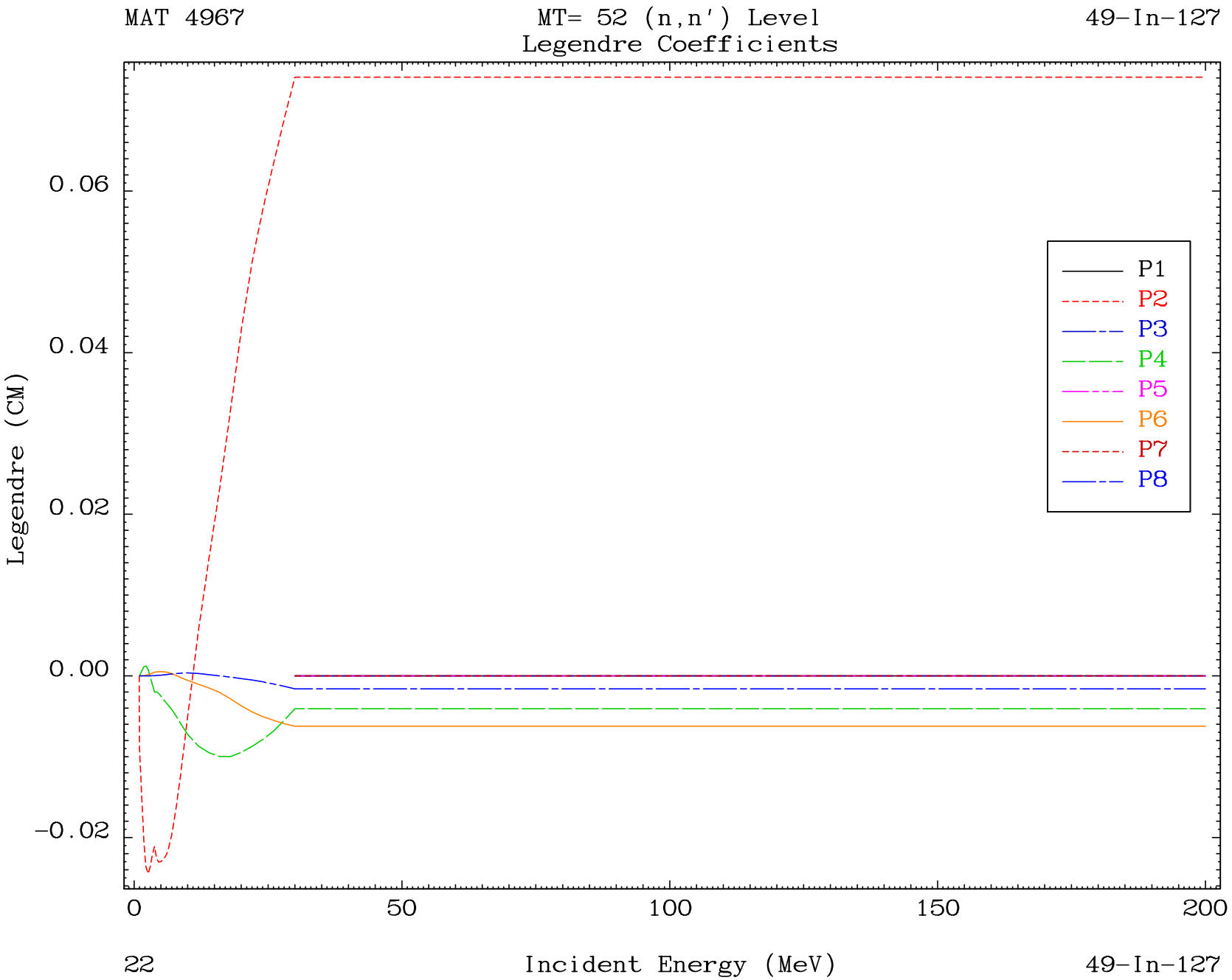

MAT 4967
Elastic
Legendre Coefficients
49-In-127
X10^-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
17
Incident Energy (MeV)
49-In-127

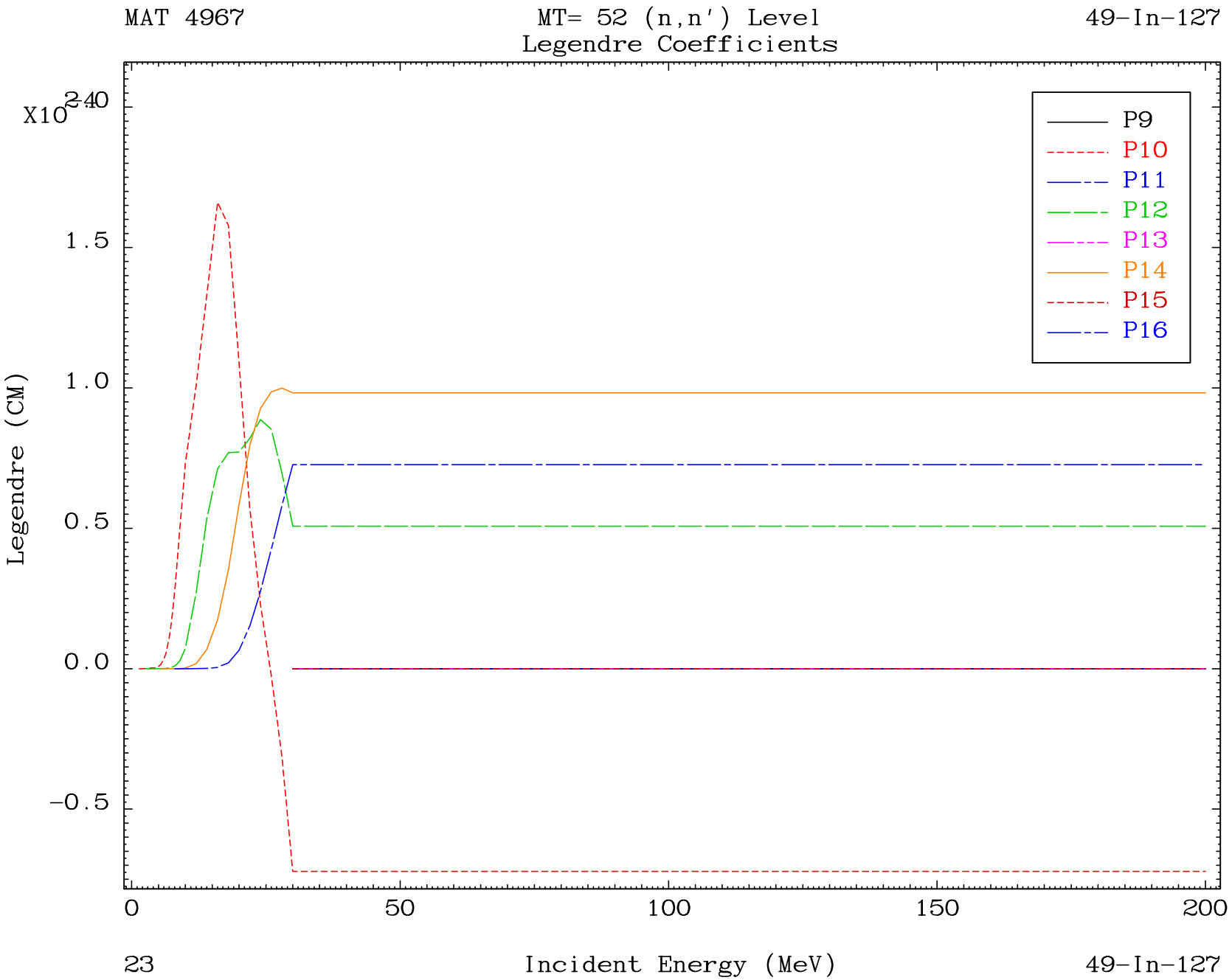

MAT 4967
MT= 51 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
18
Incident Energy (MeV)
49-In-127

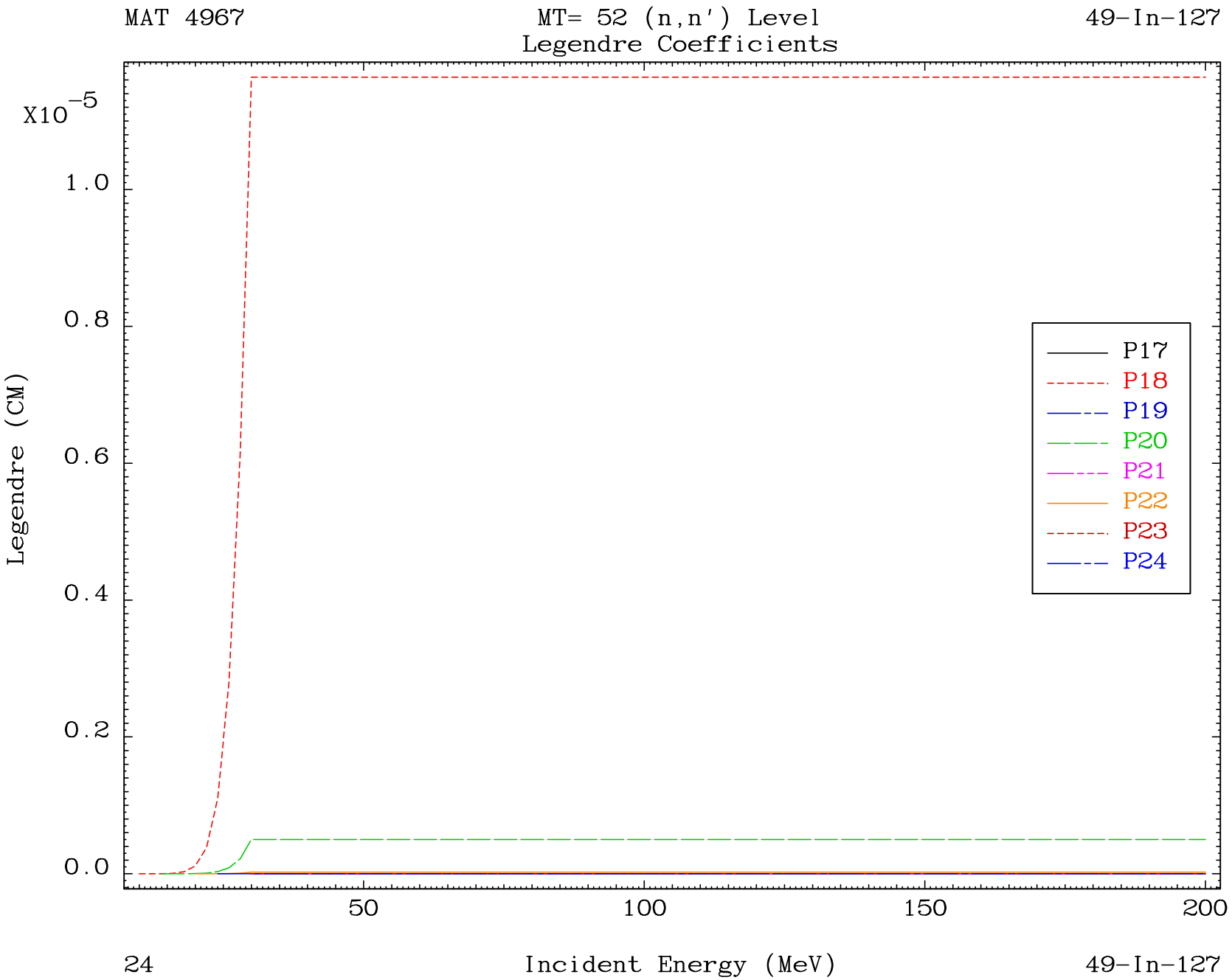

MAT 4967
MT= 51 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
19
Incident Energy (MeV)
49-In-127

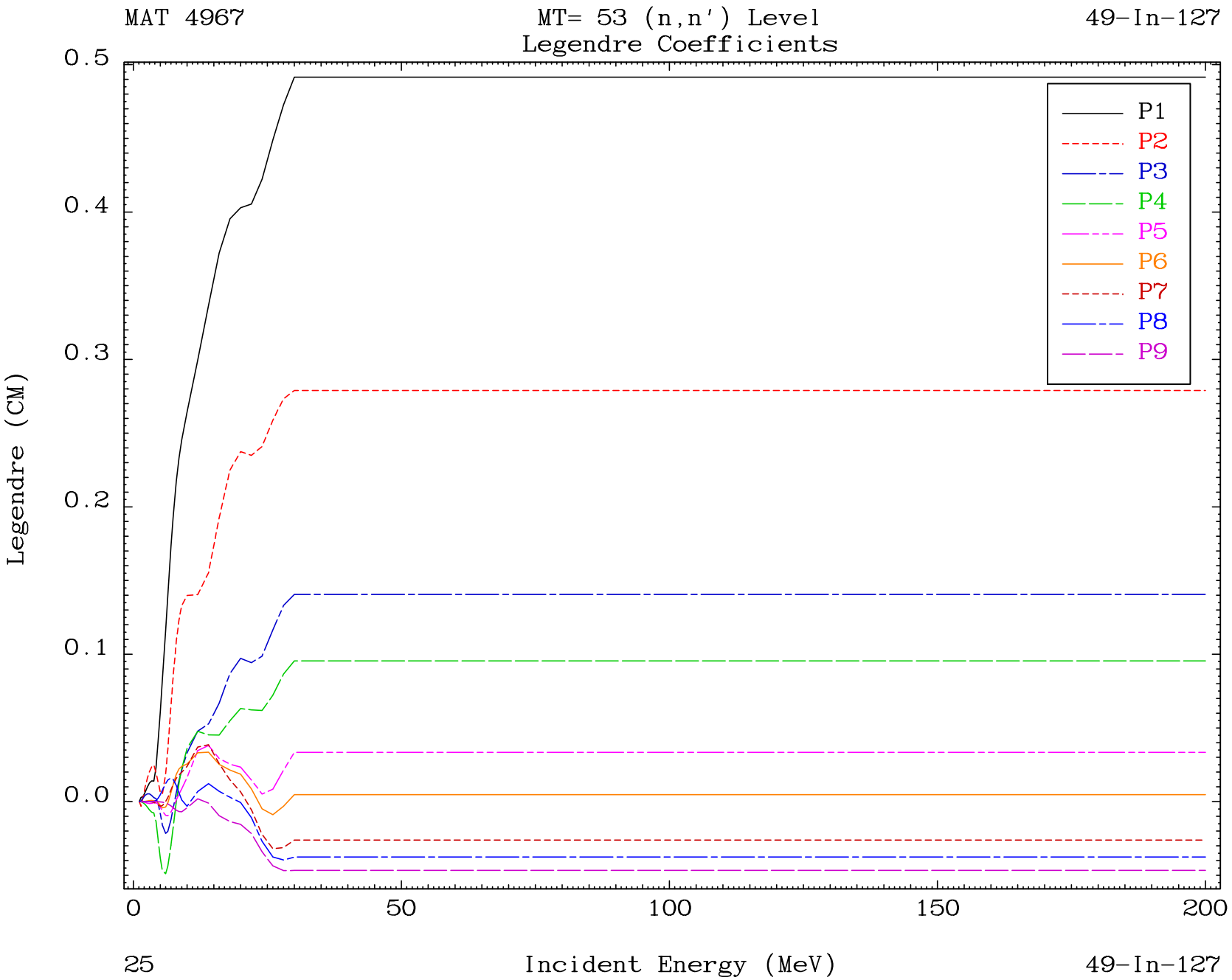

MAT 4967
MT= 51 (n,n') Level
Legendre Coefficients
49-In-127
X10 -3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
20
Incident Energy (MeV)
49-In-127

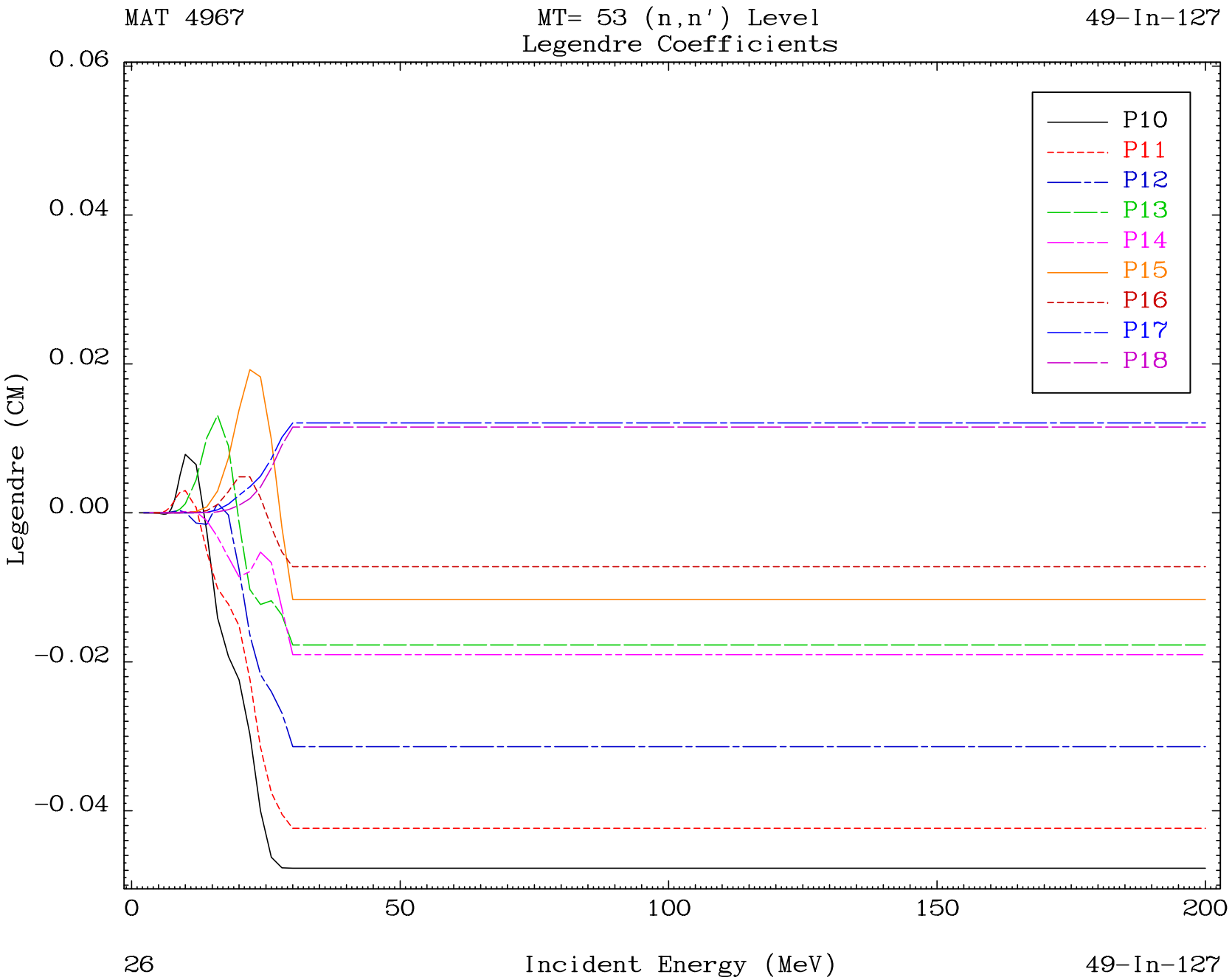

MAT 4967
MT= 51 (n,n') Level
Legendre Coefficients
49-In-127
X10 -6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
21
Incident Energy (MeV)
49-In-127

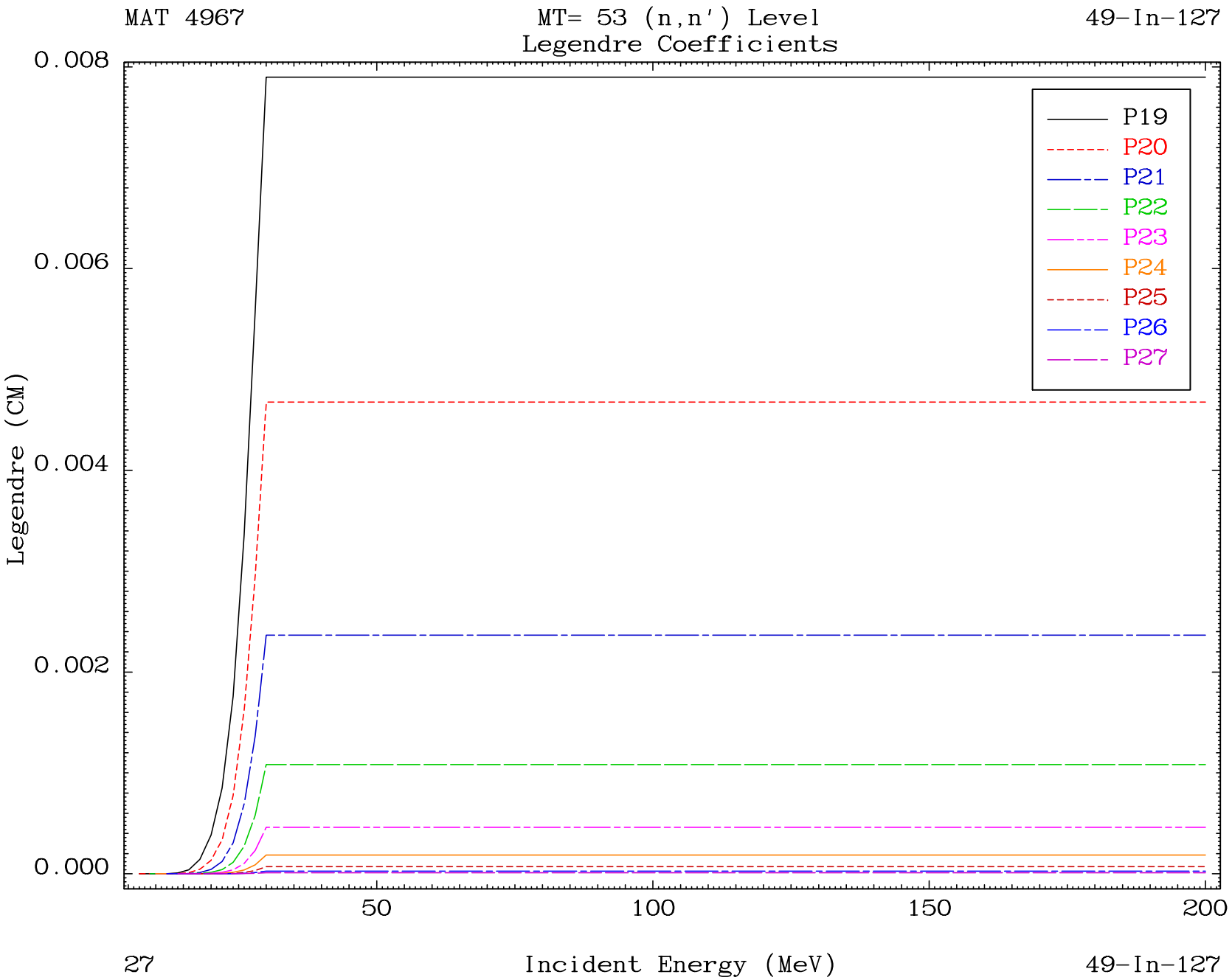

MAT 4967
MT= 52 (n,n') Level
Legendre Coefficients
49-In-127
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
22
Incident Energy (MeV)
49-In-127

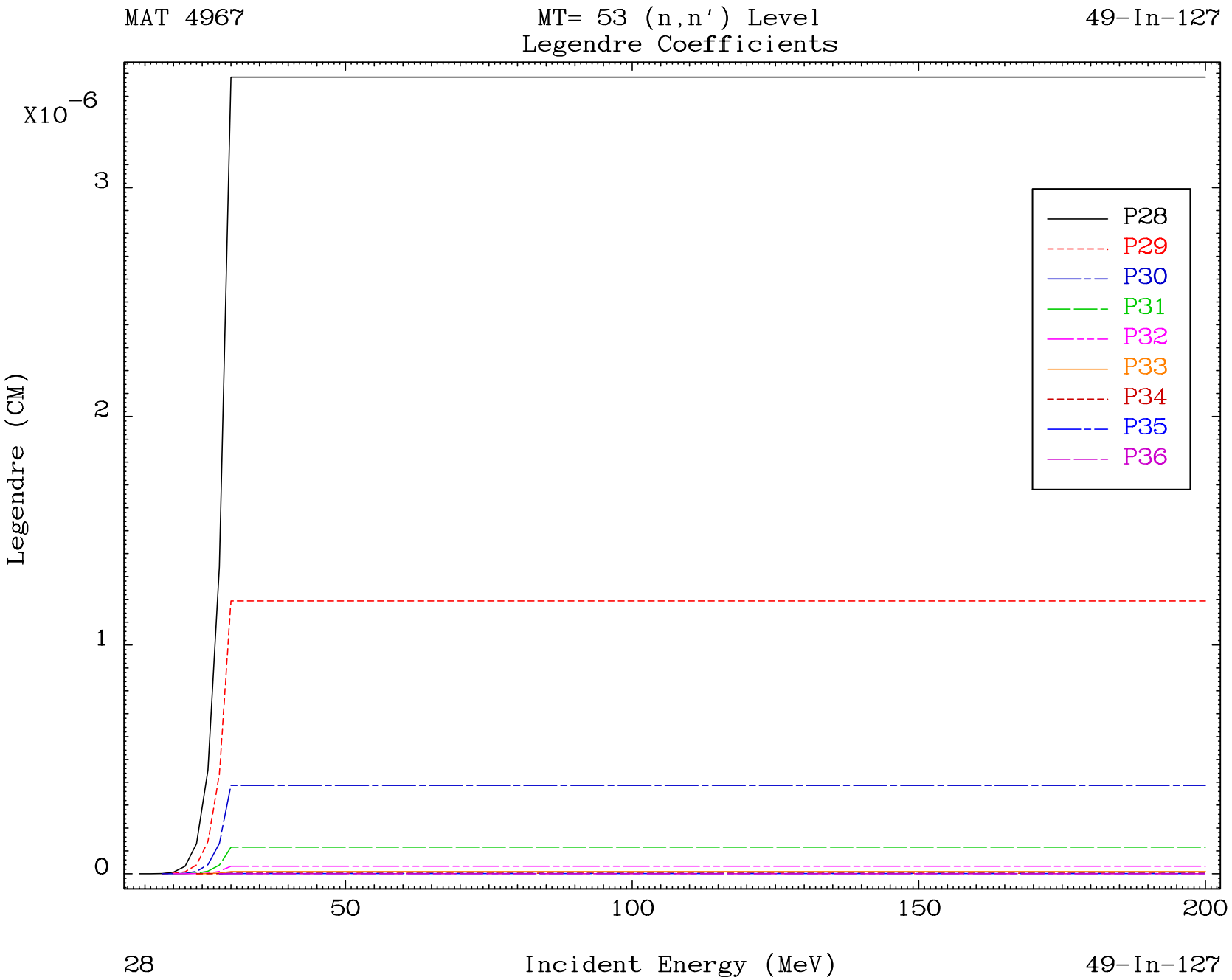

MAT 4967
MT= 52 (n,n') Level
Legendre Coefficients
49-In-127
X10-2
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
23
Incident Energy (MeV)
49-In-127

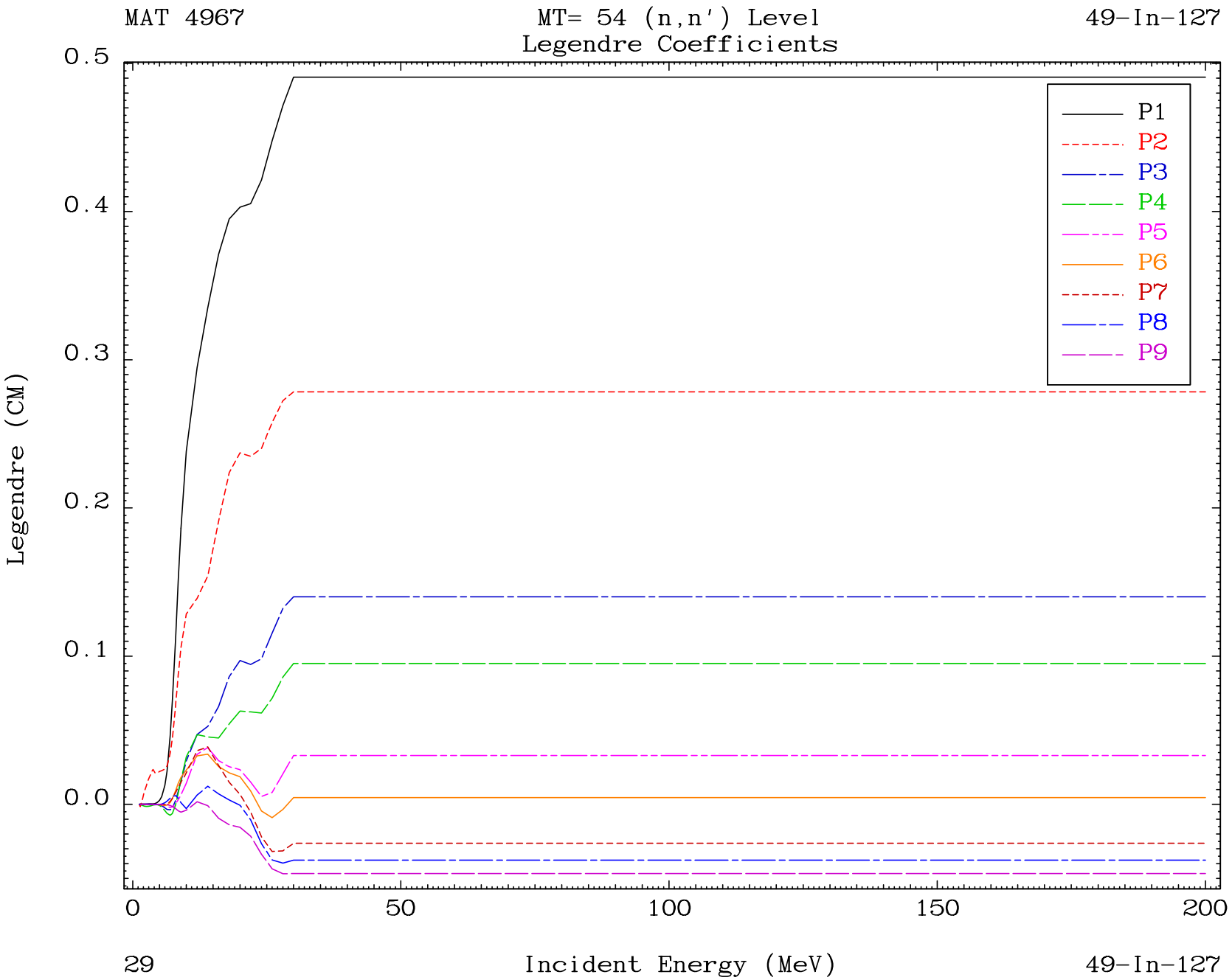

MAT 4967
MT= 52 (n,n') Level
Legendre Coefficients
49-In-127
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
24
Incident Energy (MeV)
49-In-127
P17
P18
P19
P20
P21
P22
P23
P24

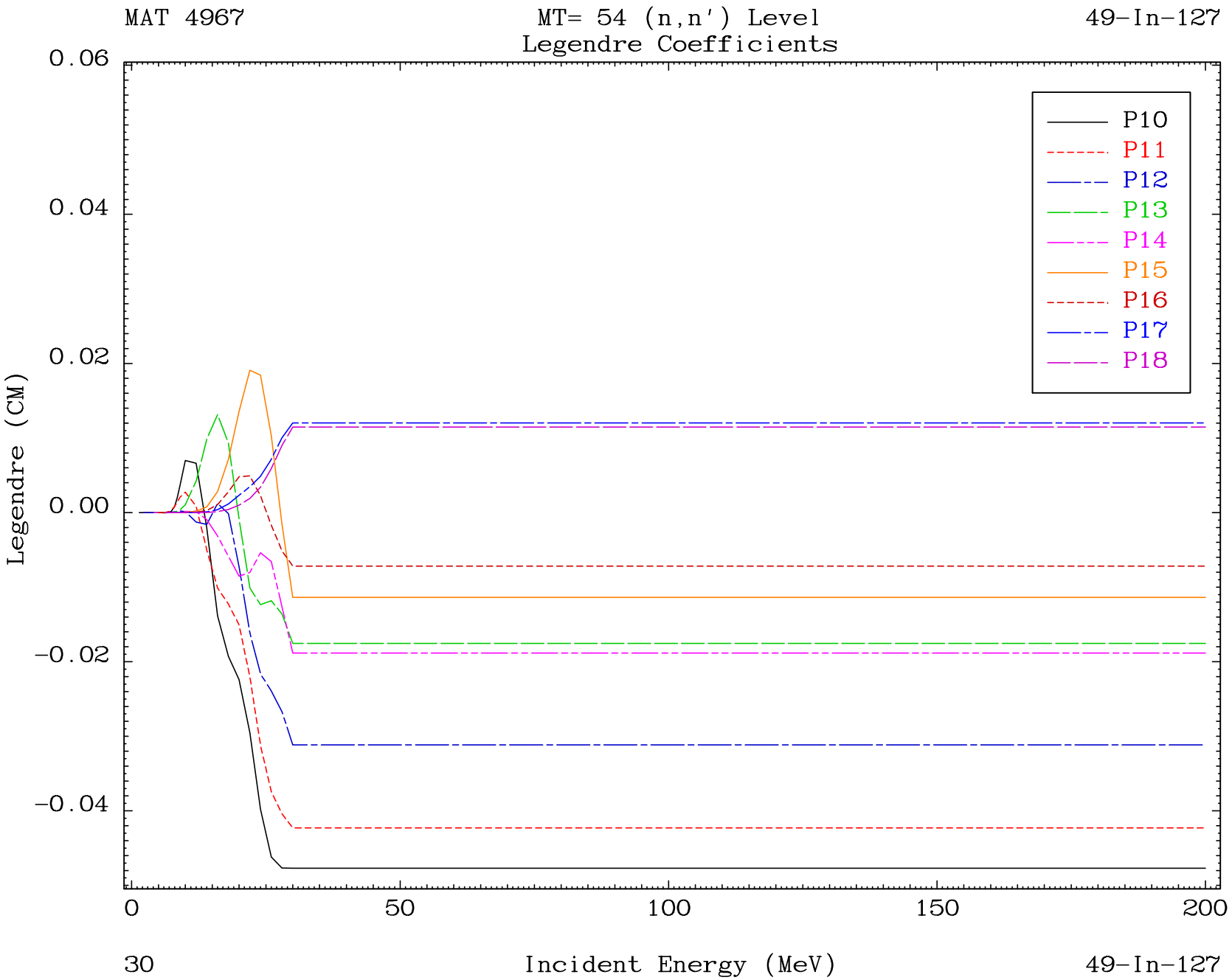

MAT 4967
MT= 53 (n,n') Level
Legendre Coefficients
49-In-127
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
25
Incident Energy (MeV)
49-In-127

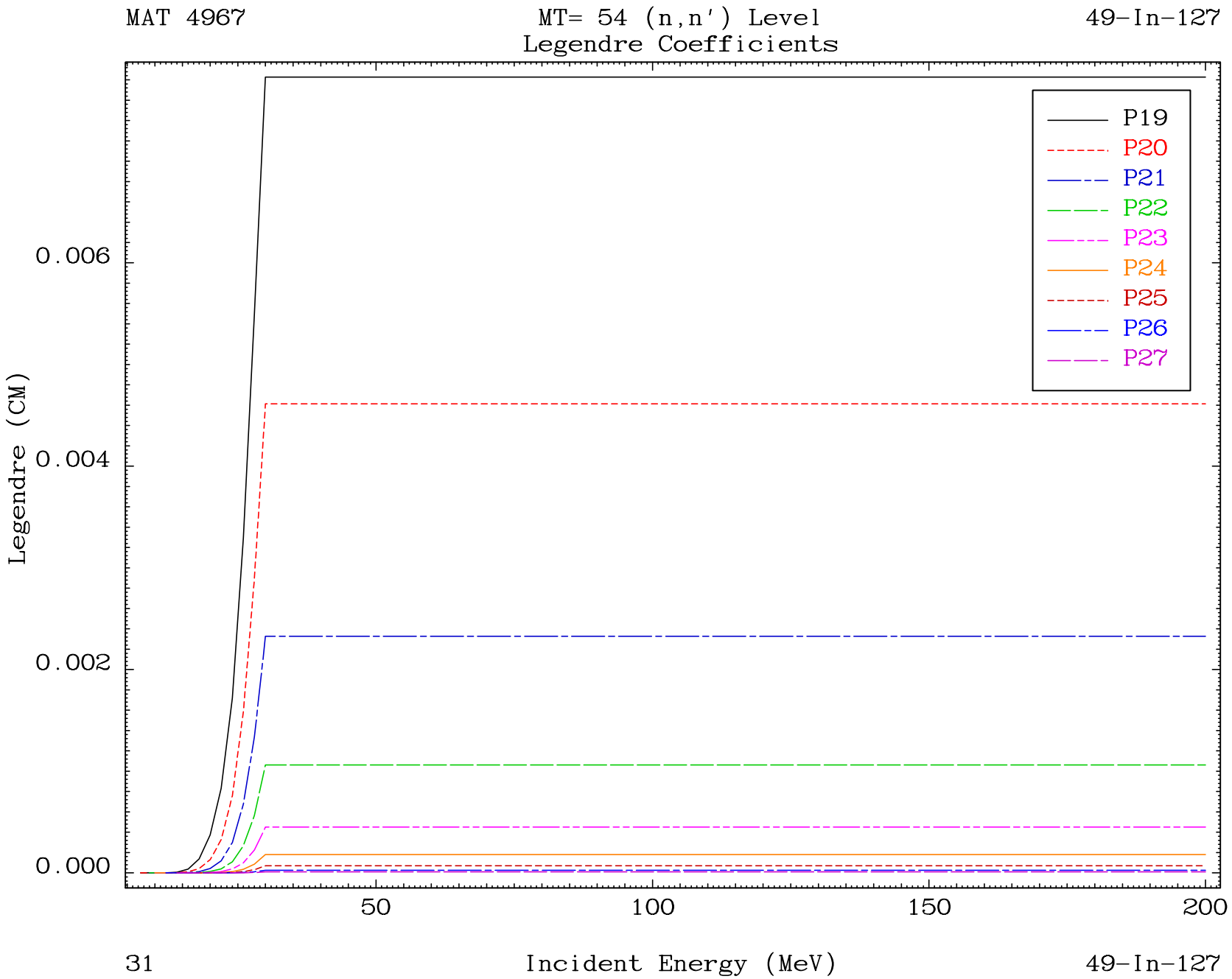

MAT 4967
MT= 53 (n,n') Level
Legendre Coefficients
49-In-127
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
26
Incident Energy (MeV)
49-In-127

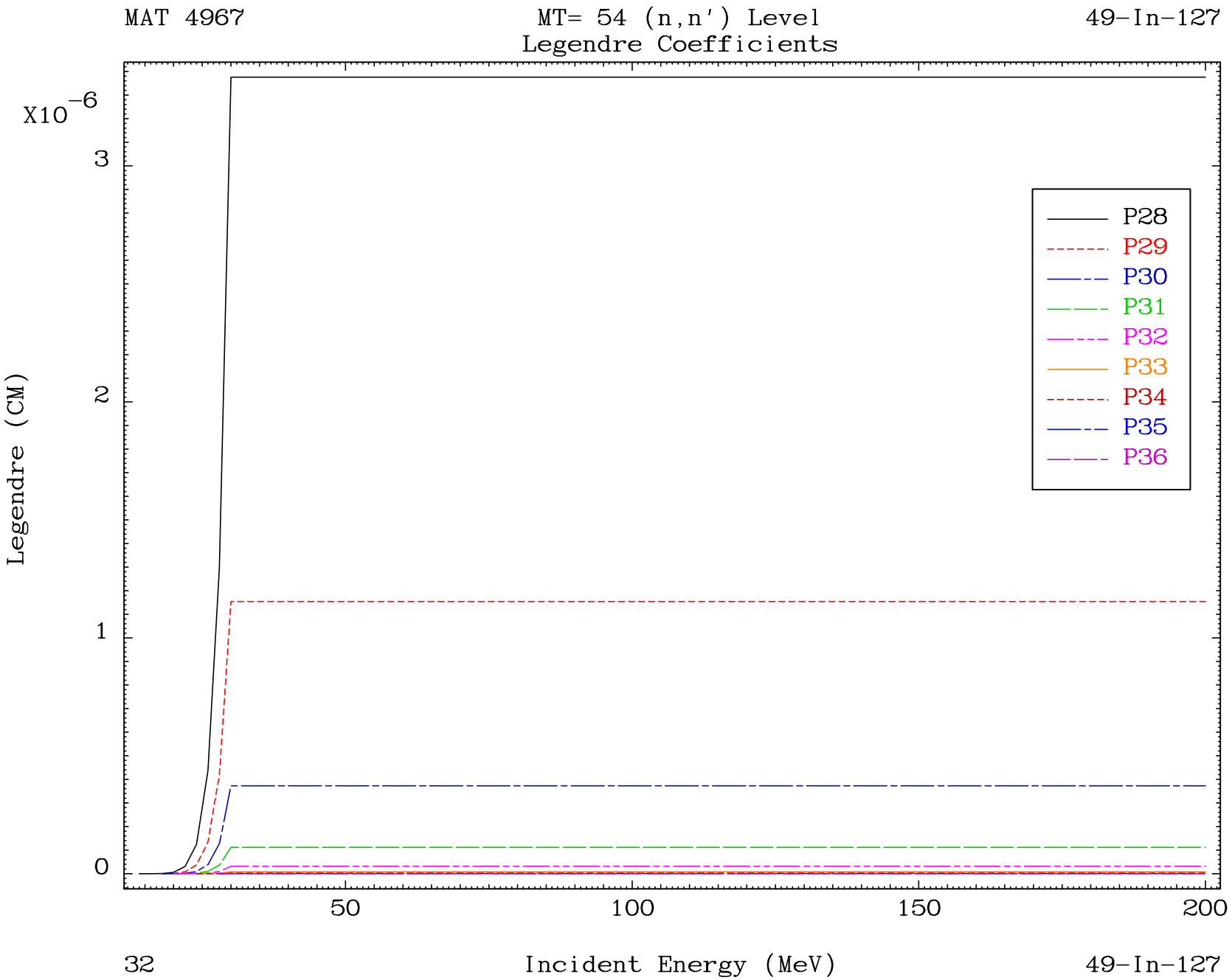

MAT 4967
MT= 53 (n,n') Level
Legendre Coefficients
49-In-127
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
27
Incident Energy (MeV)
49-In-127

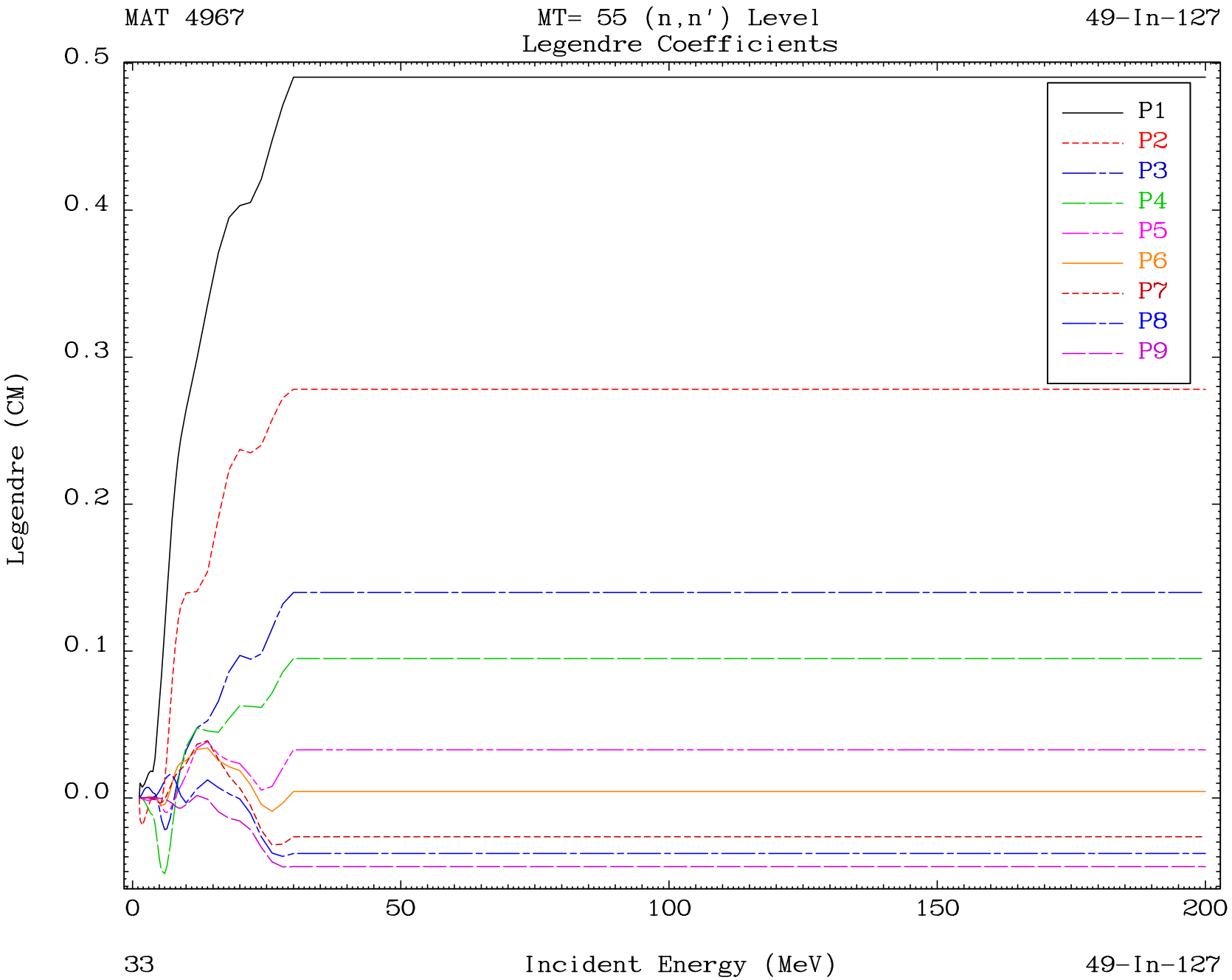

MAT 4967
MT= 53 (n,n') Level
Legendre Coefficients
49-In-127
X10 −6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
28
Incident Energy (MeV)
49-In-127

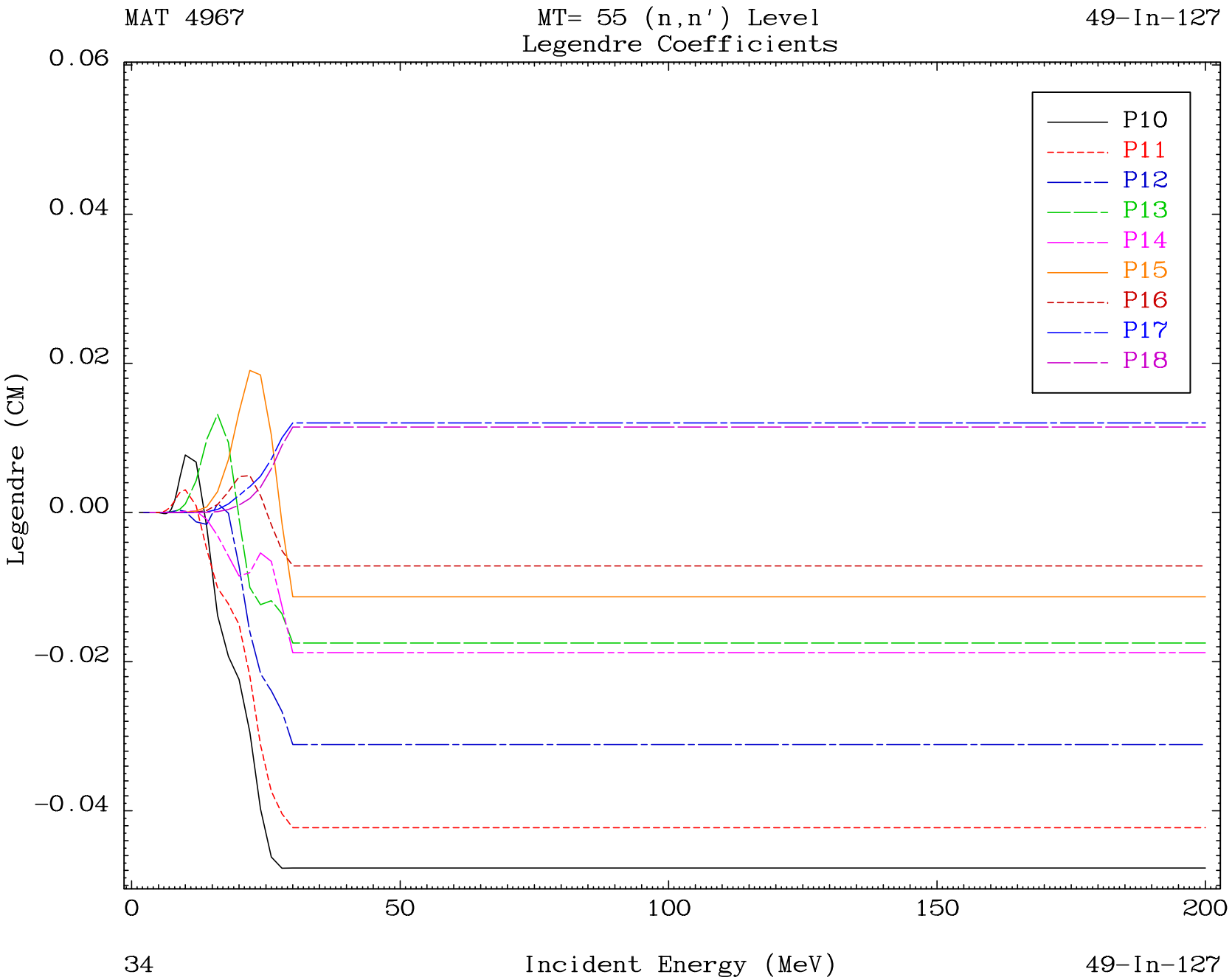

MAT 4967
MT= 54 (n,n') Level
Legendre Coefficients
49-In-127
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
29
Incident Energy (MeV)
49-In-127

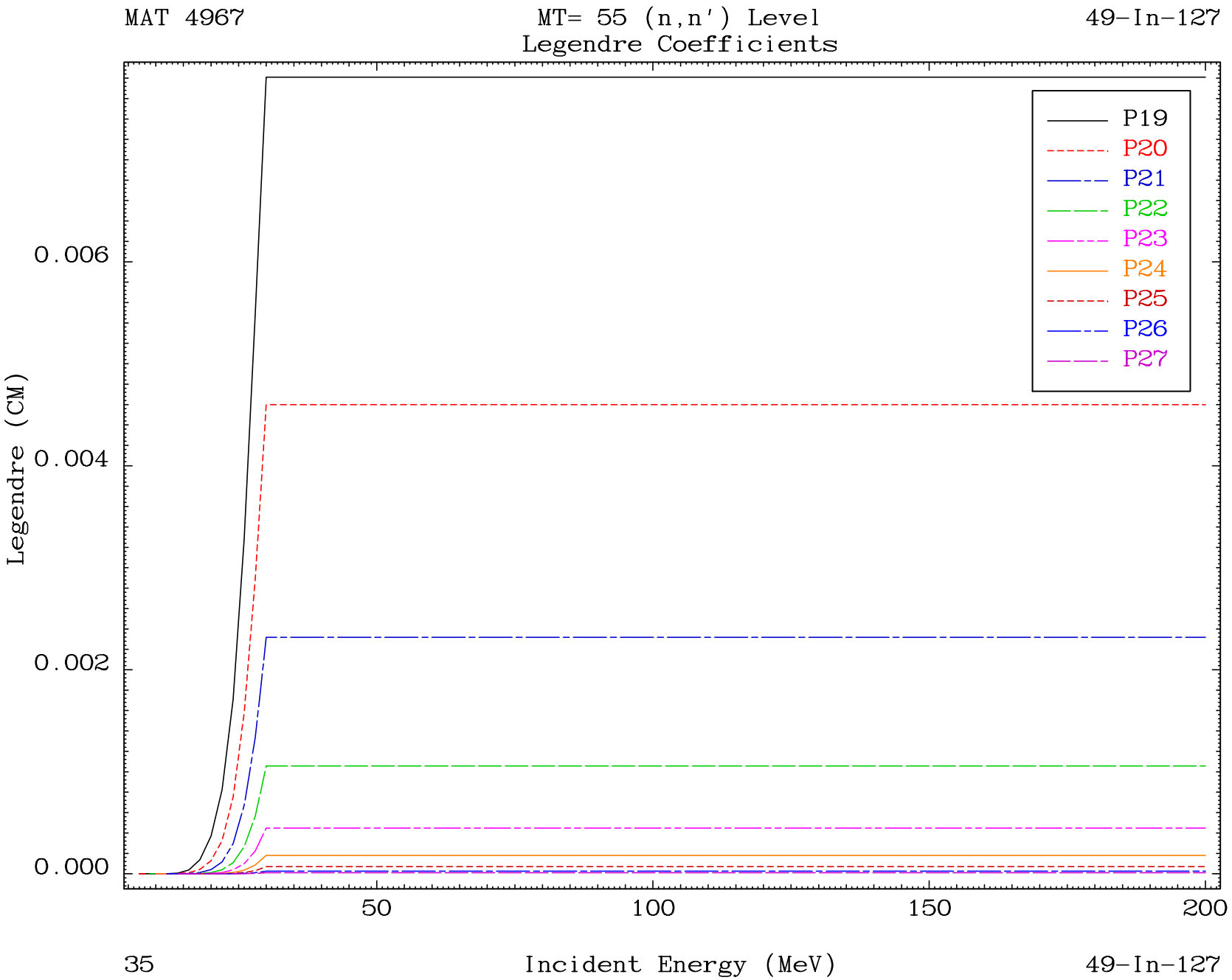

MAT 4967
MT= 54 (n,n') Level
Legendre Coefficients
49-In-127
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
30
Incident Energy (MeV)
49-In-127

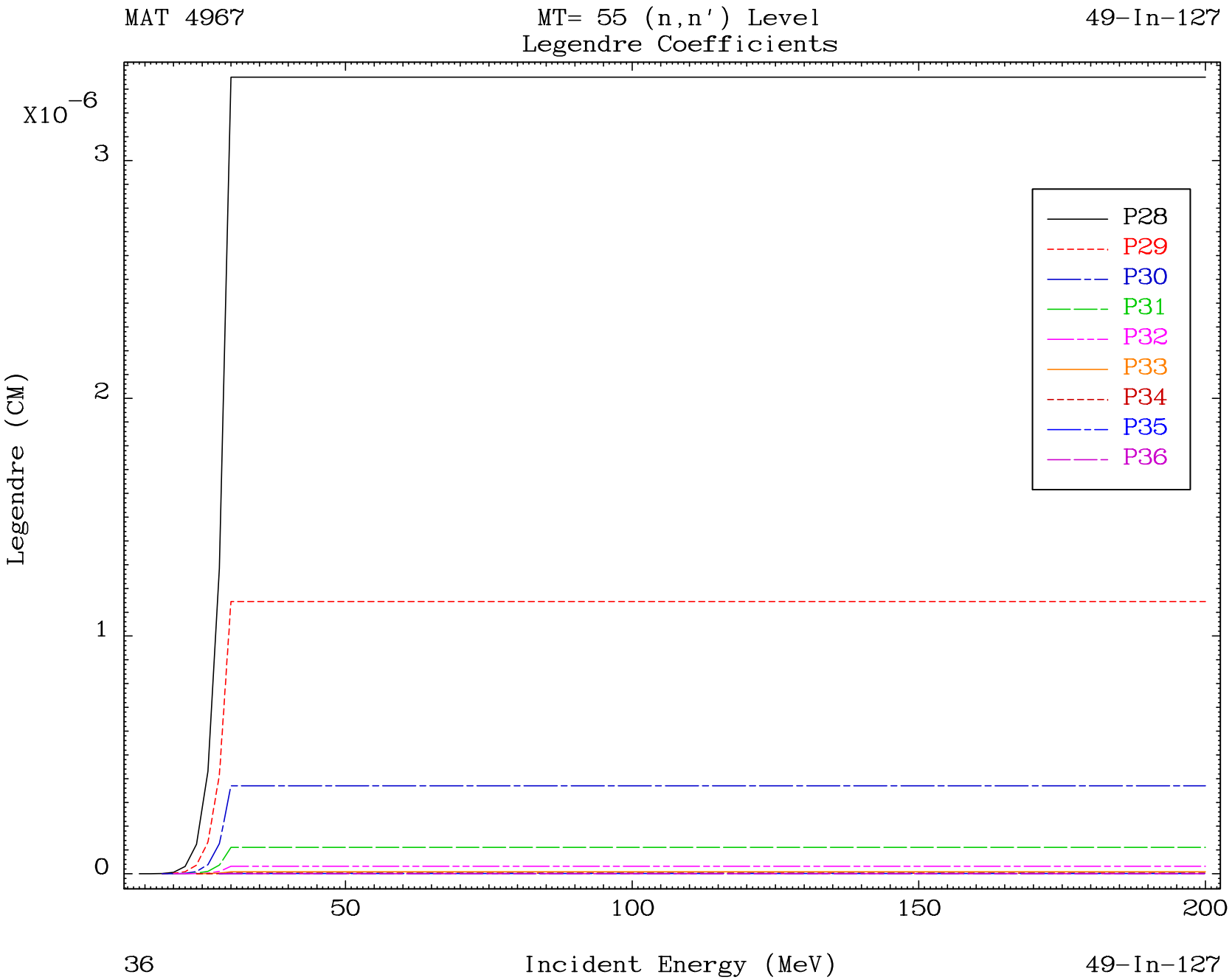

MAT 4967
MT= 54 (n,n') Level
Legendre Coefficients
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
31
Incident Energy (MeV)
49-In-127

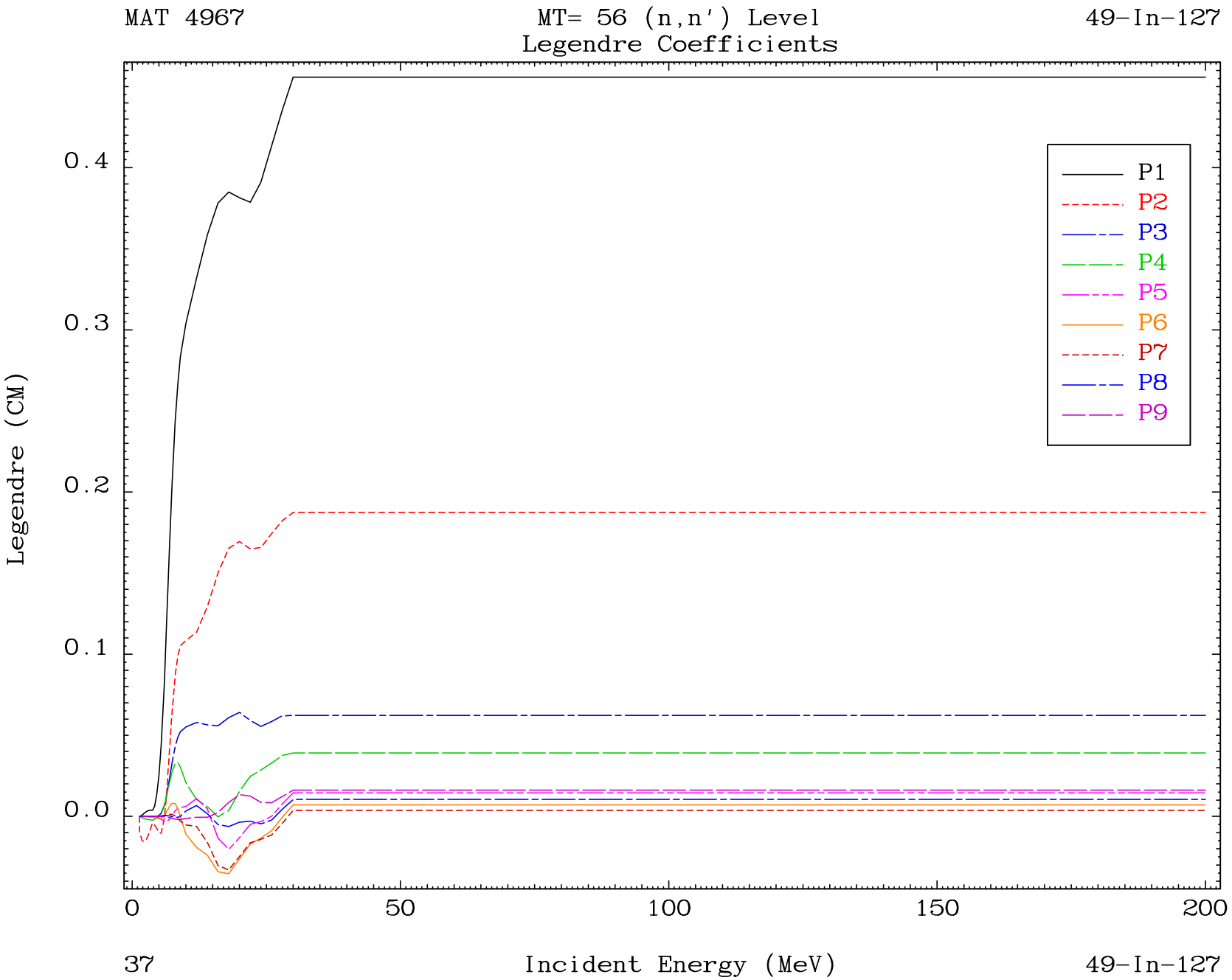

MAT 4967
MT= 54 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
32
Incident Energy (MeV)
49-In-127

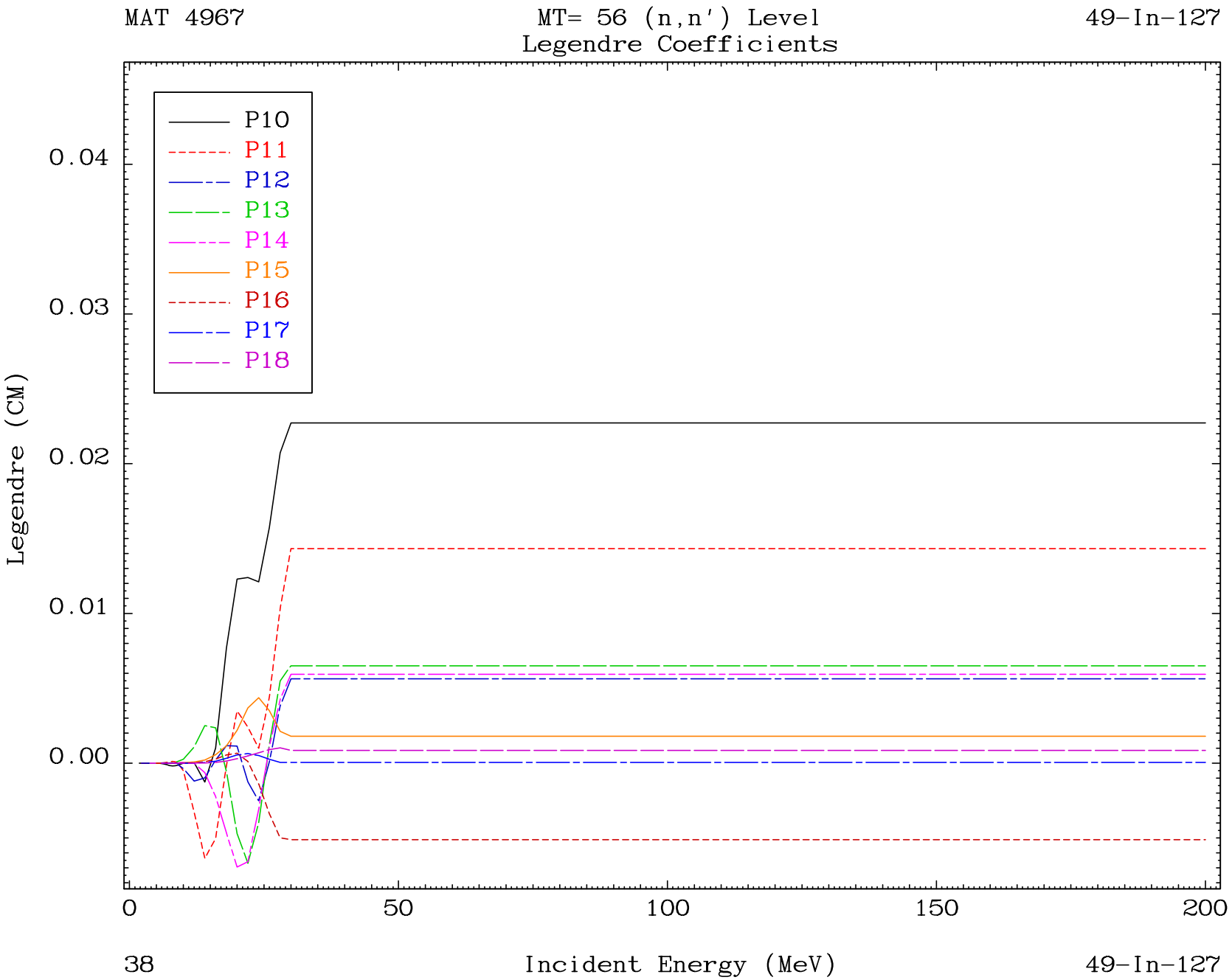

MAT 4967
MT= 55 (n,n') Level
Legendre Coefficients
49-In-127
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
33
Incident Energy (MeV)
49-In-127

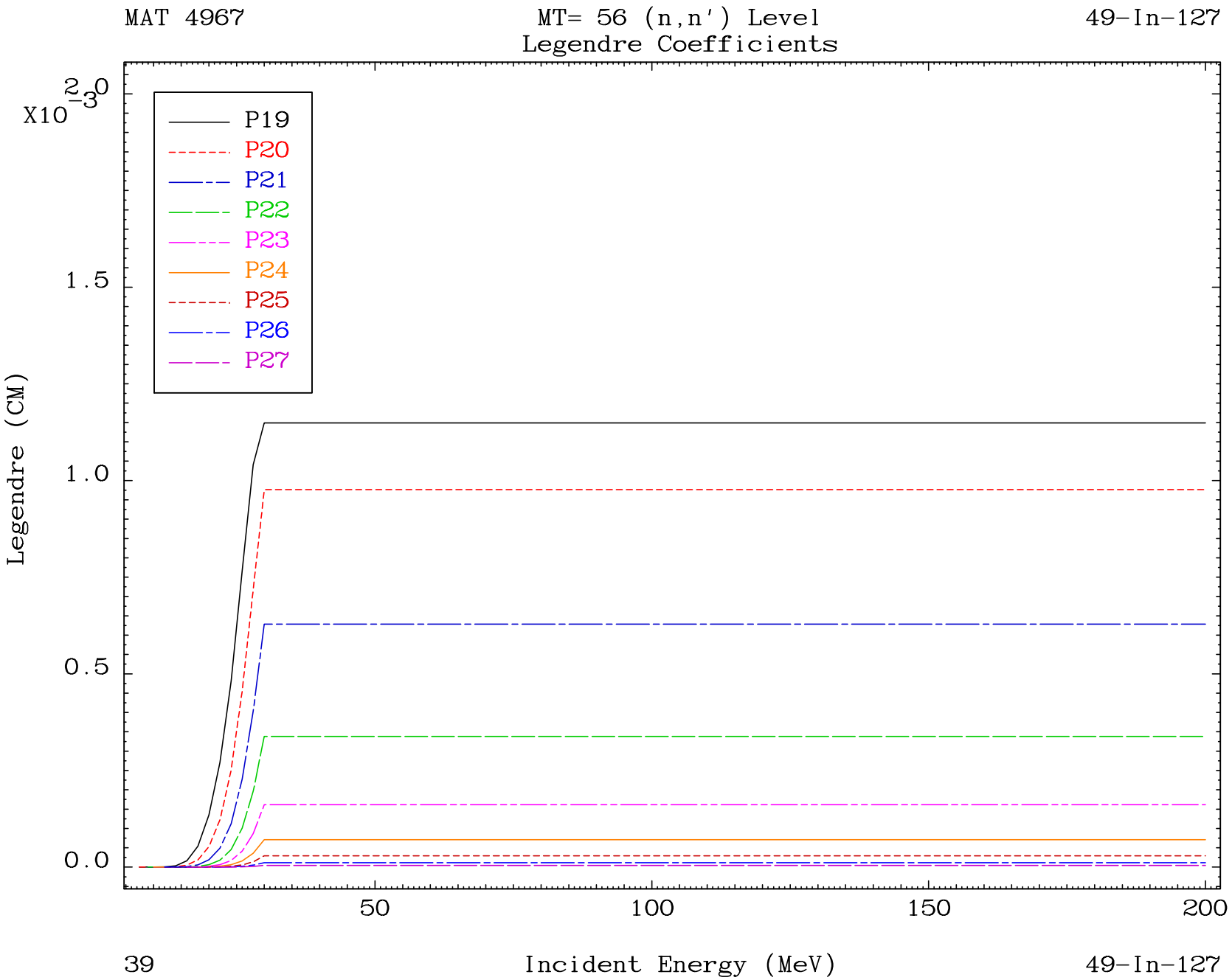

MAT 4967
MT= 55 (n,n') Level
Legendre Coefficients
49-In-127
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
34
Incident Energy (MeV)
49-In-127

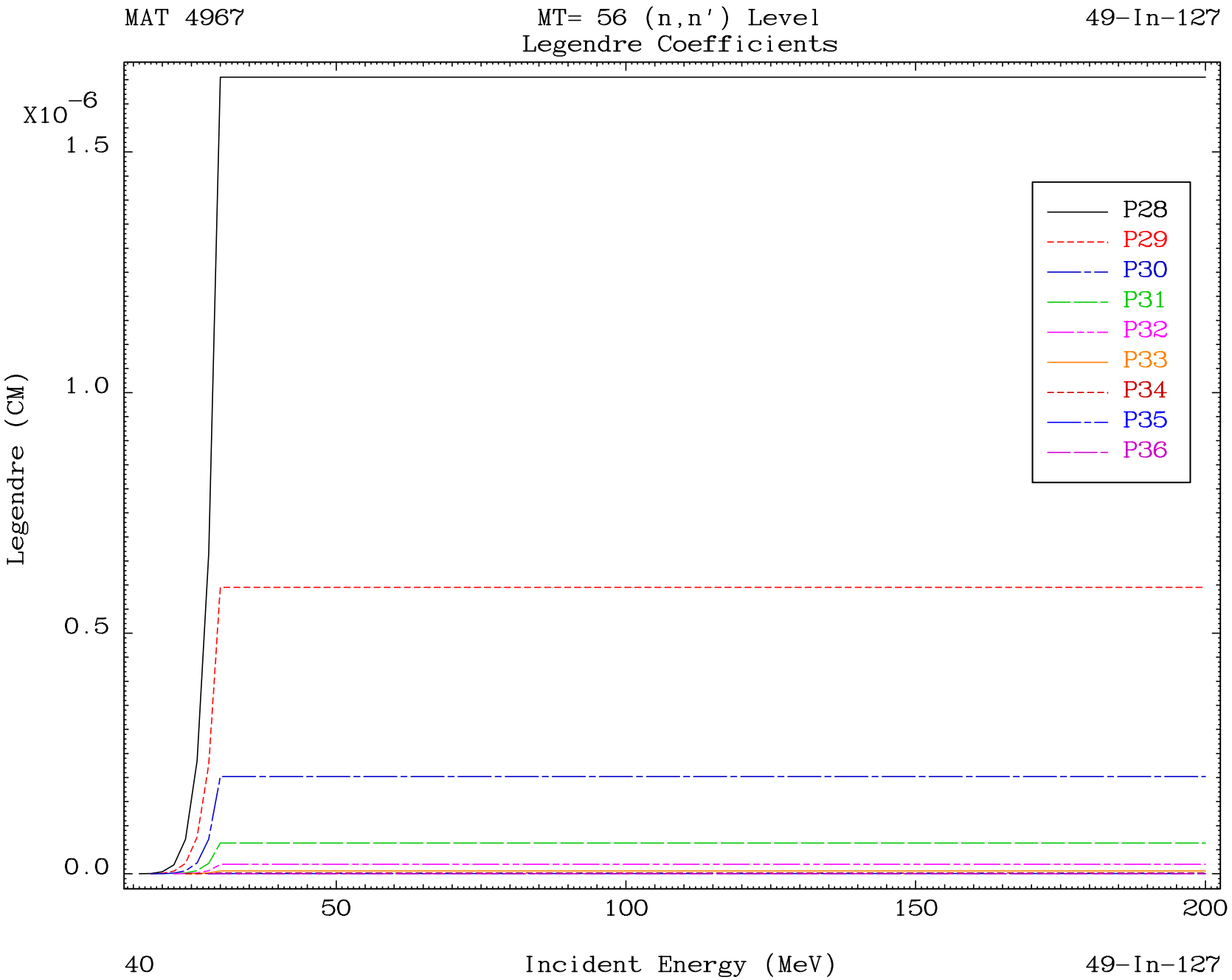

MAT 4967
MT= 55 (n,n') Level
Legendre Coefficients
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
35
Incident Energy (MeV)
49-In-127

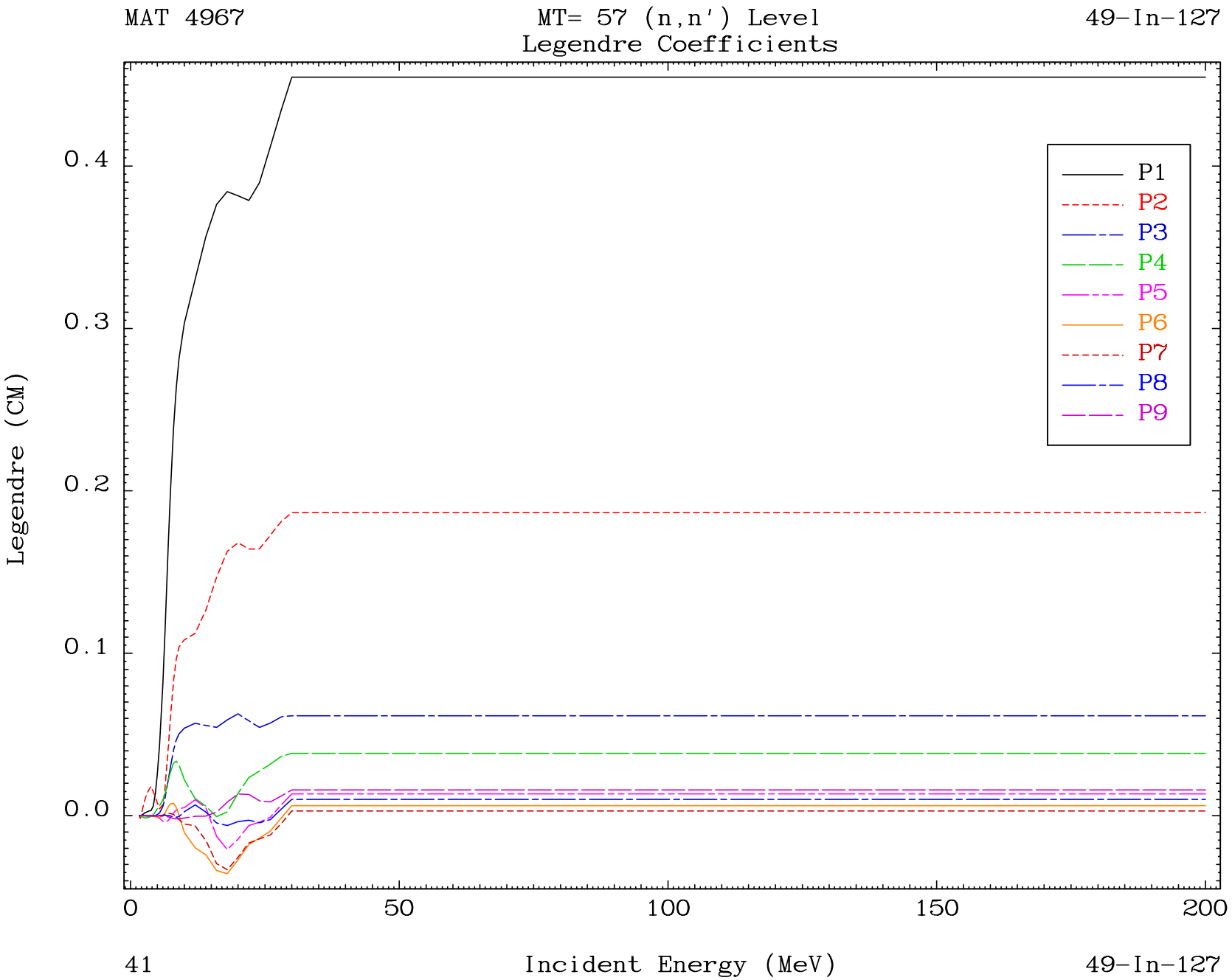

MAT 4967
MT= 55 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
36
Incident Energy (MeV)
49-In-127

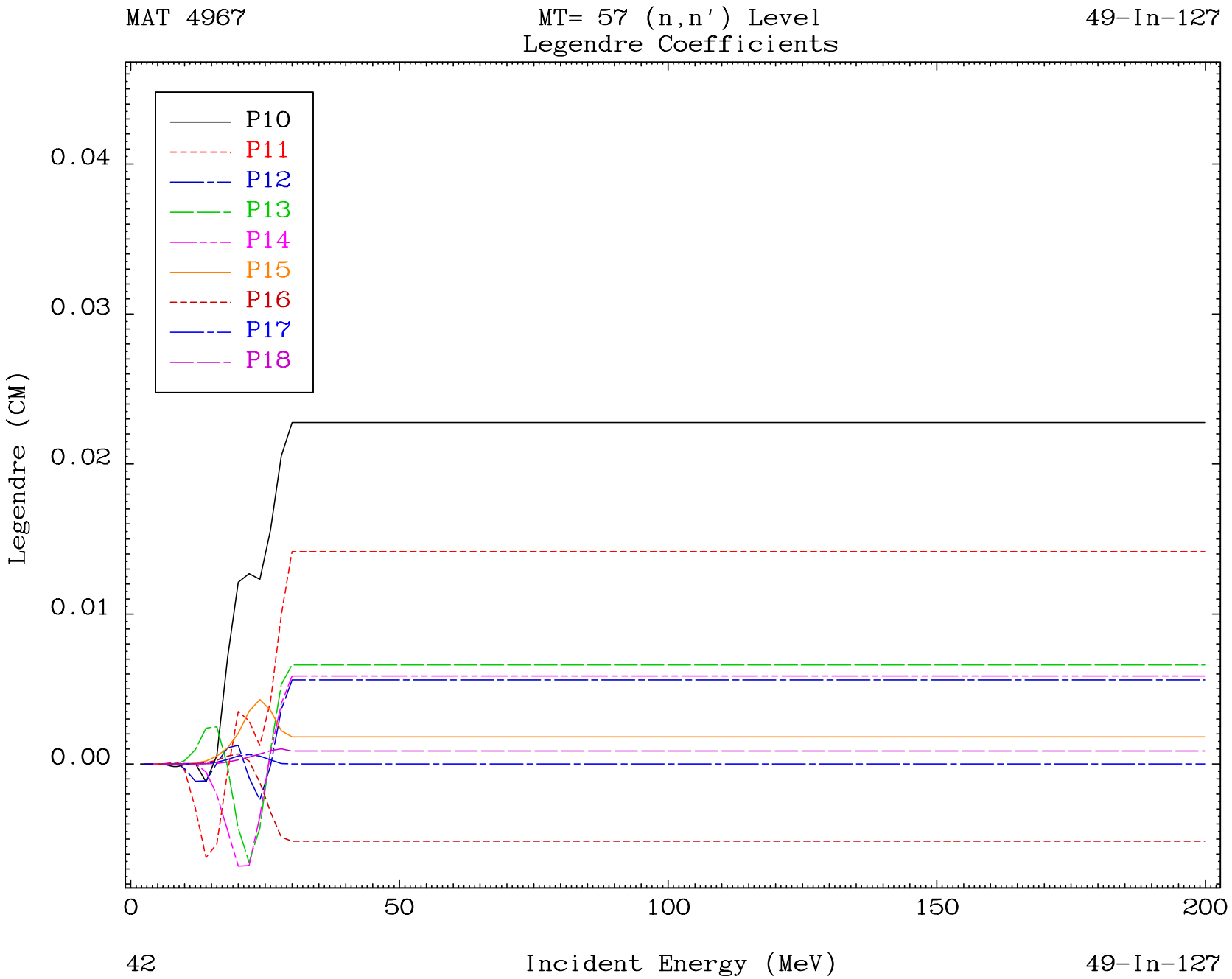

MAT 4967
MT= 56 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
37
Incident Energy (MeV)
49-In-127

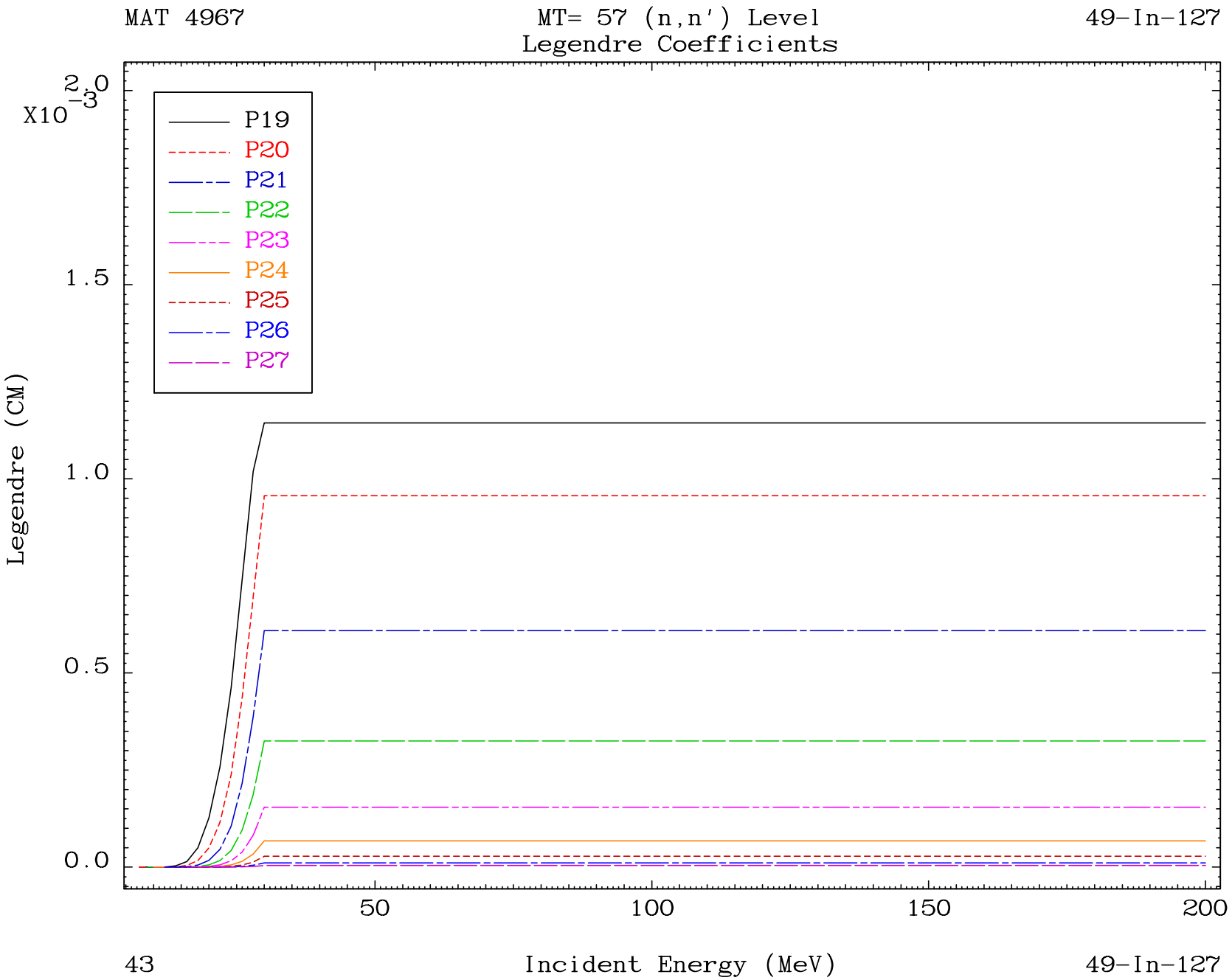

MAT 4967
MT= 56 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
38
Incident Energy (MeV)
49-In-127

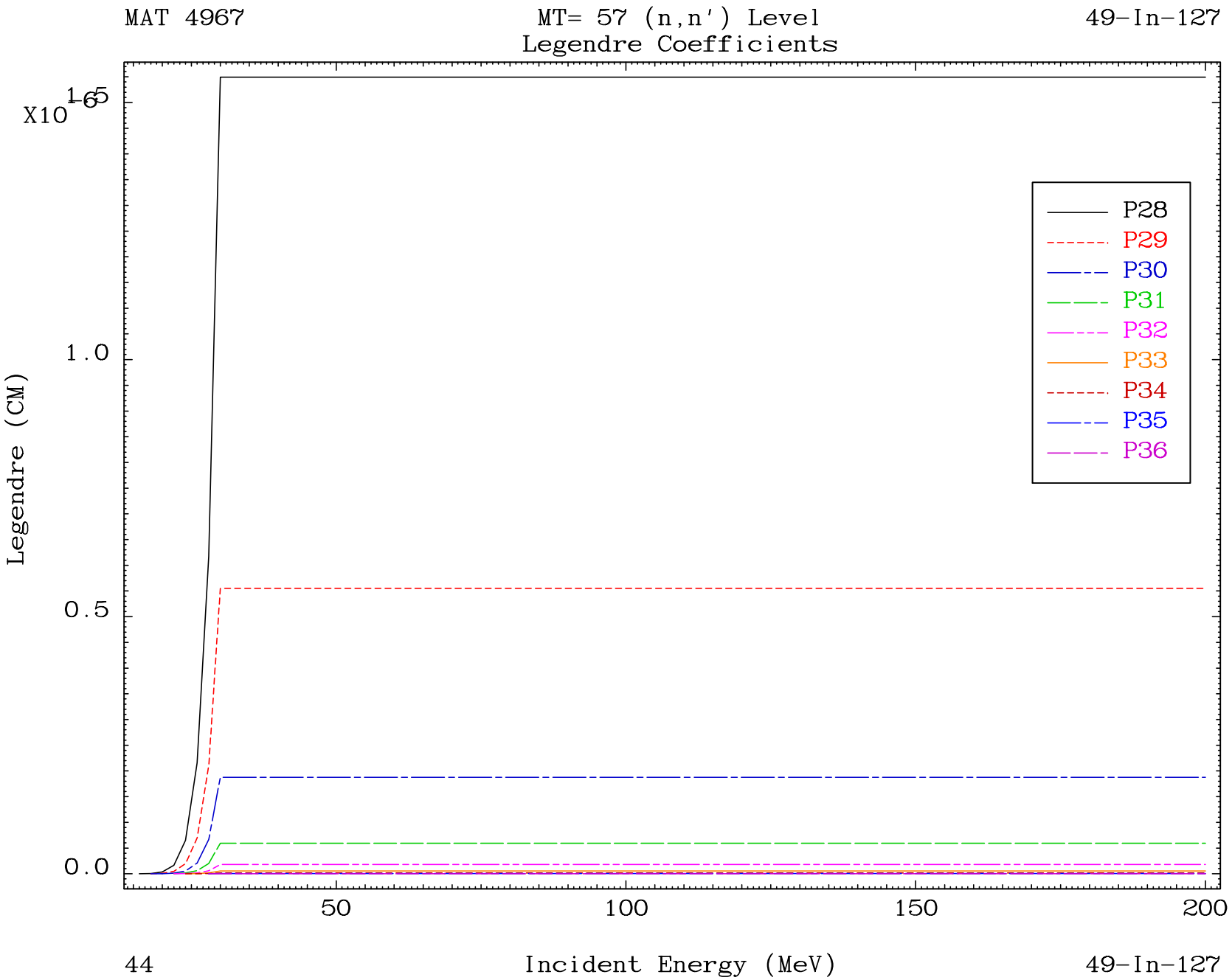

MAT 4967
MT= 56 (n,n') Level
Legendre Coefficients
49-In-127
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
49-In-127

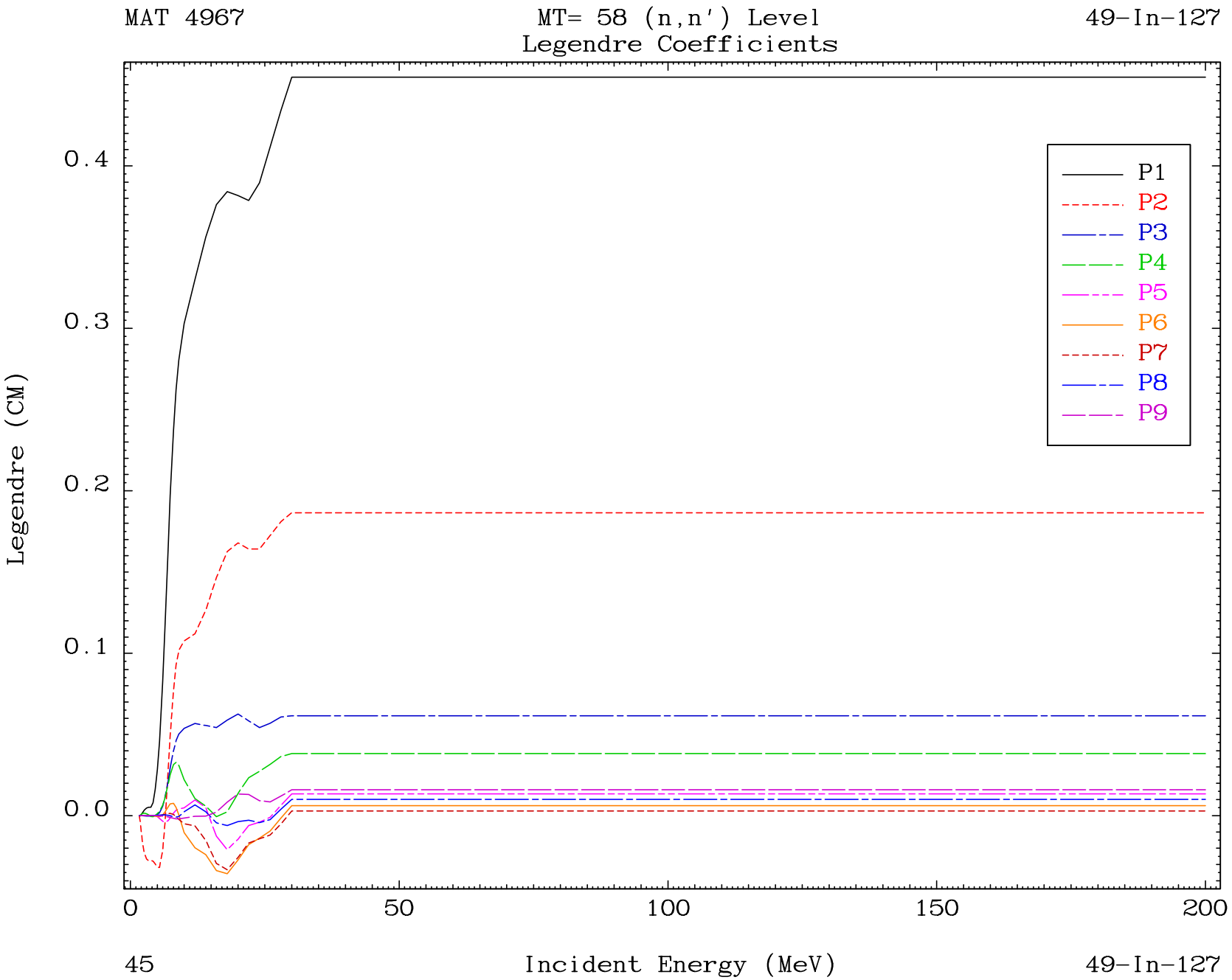

MAT 4967
MT= 56 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
40
50
100
150
200
Incident Energy (MeV)
49-In-127

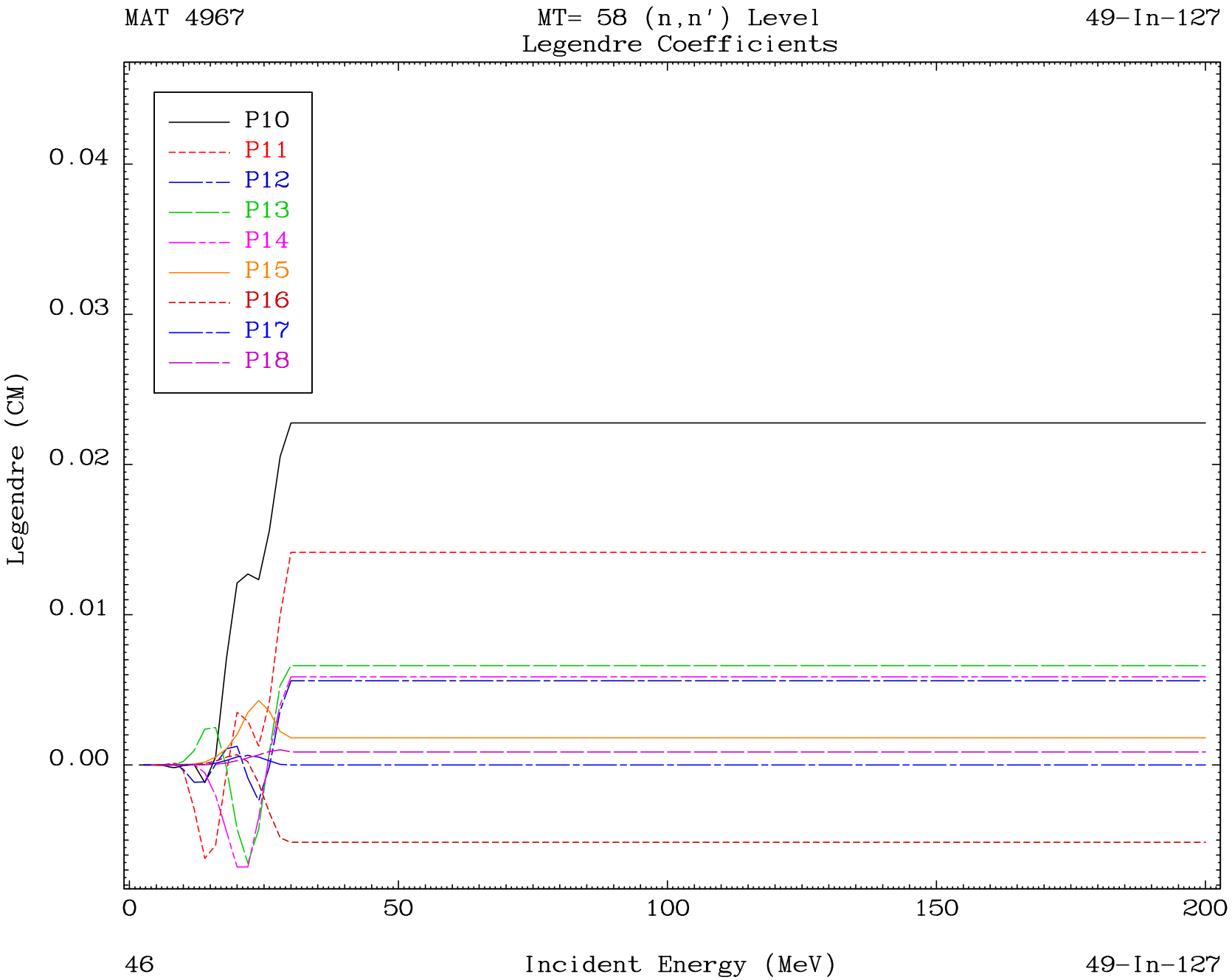

MAT 4967
MT= 57 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
41
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9

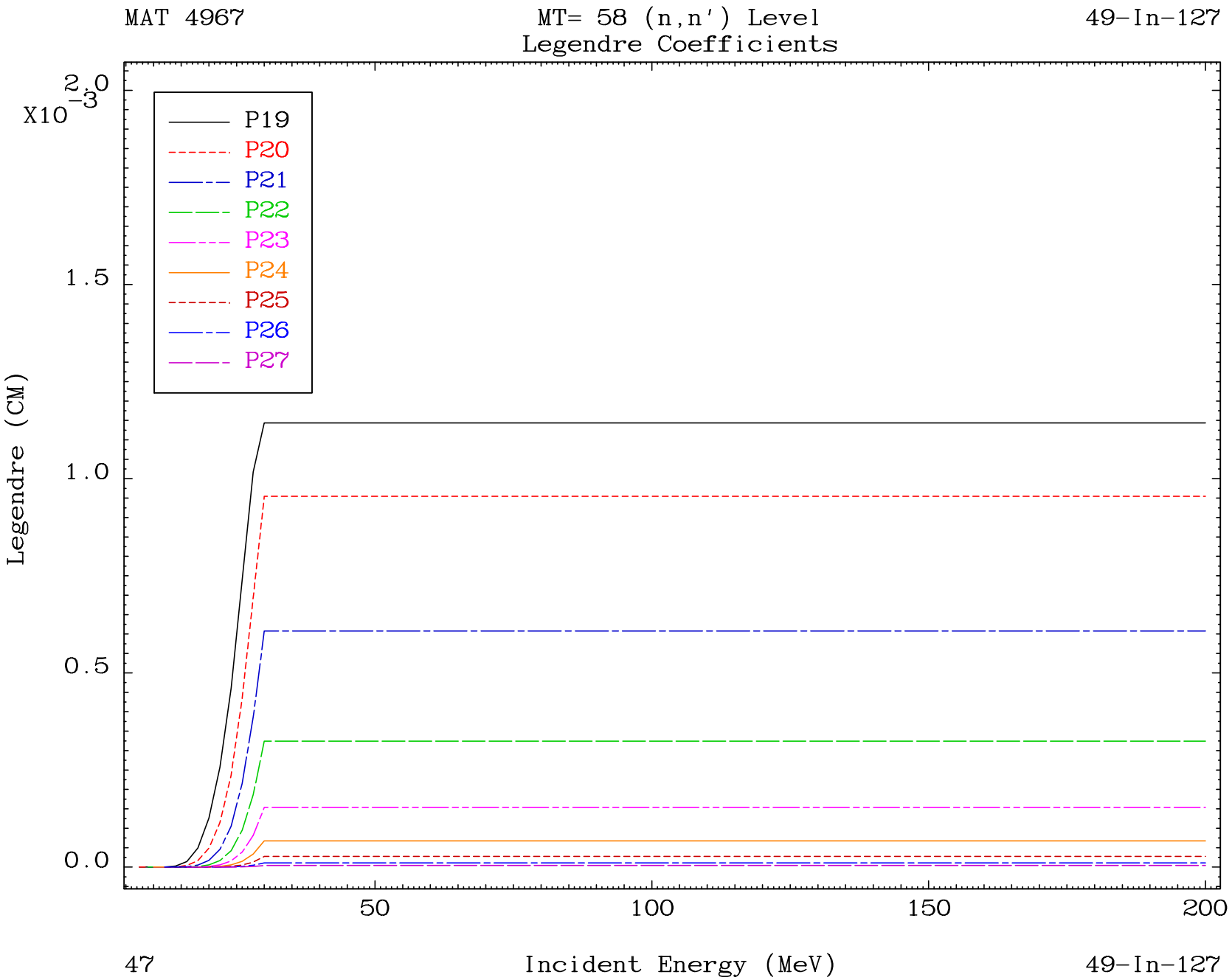

MAT 4967
MT= 57 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
42
Incident Energy (MeV)
49-In-127

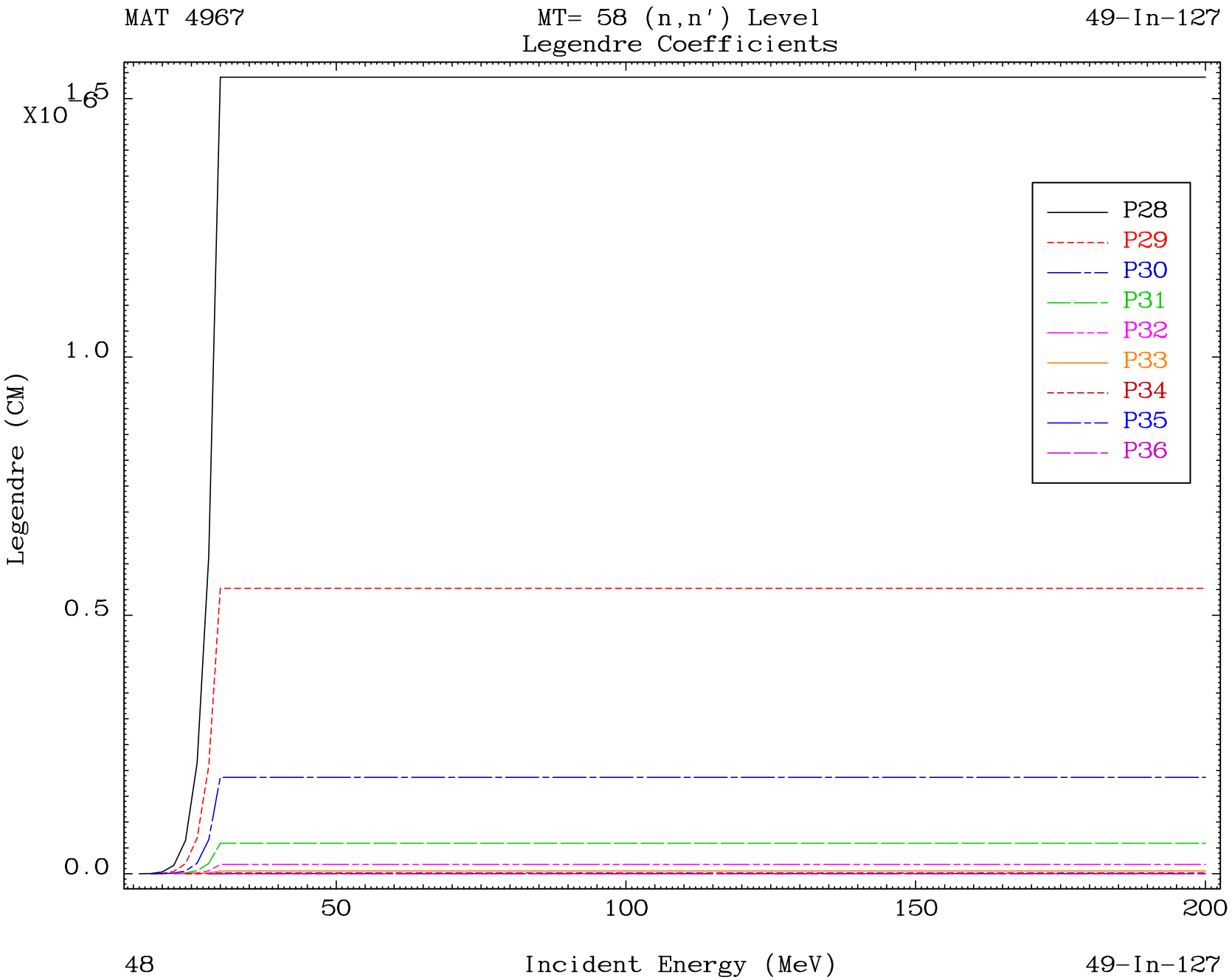

MAT 4967
MT= 57 (n,n') Level
Legendre Coefficients
49-In-127
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
43
Incident Energy (MeV)
49-In-127

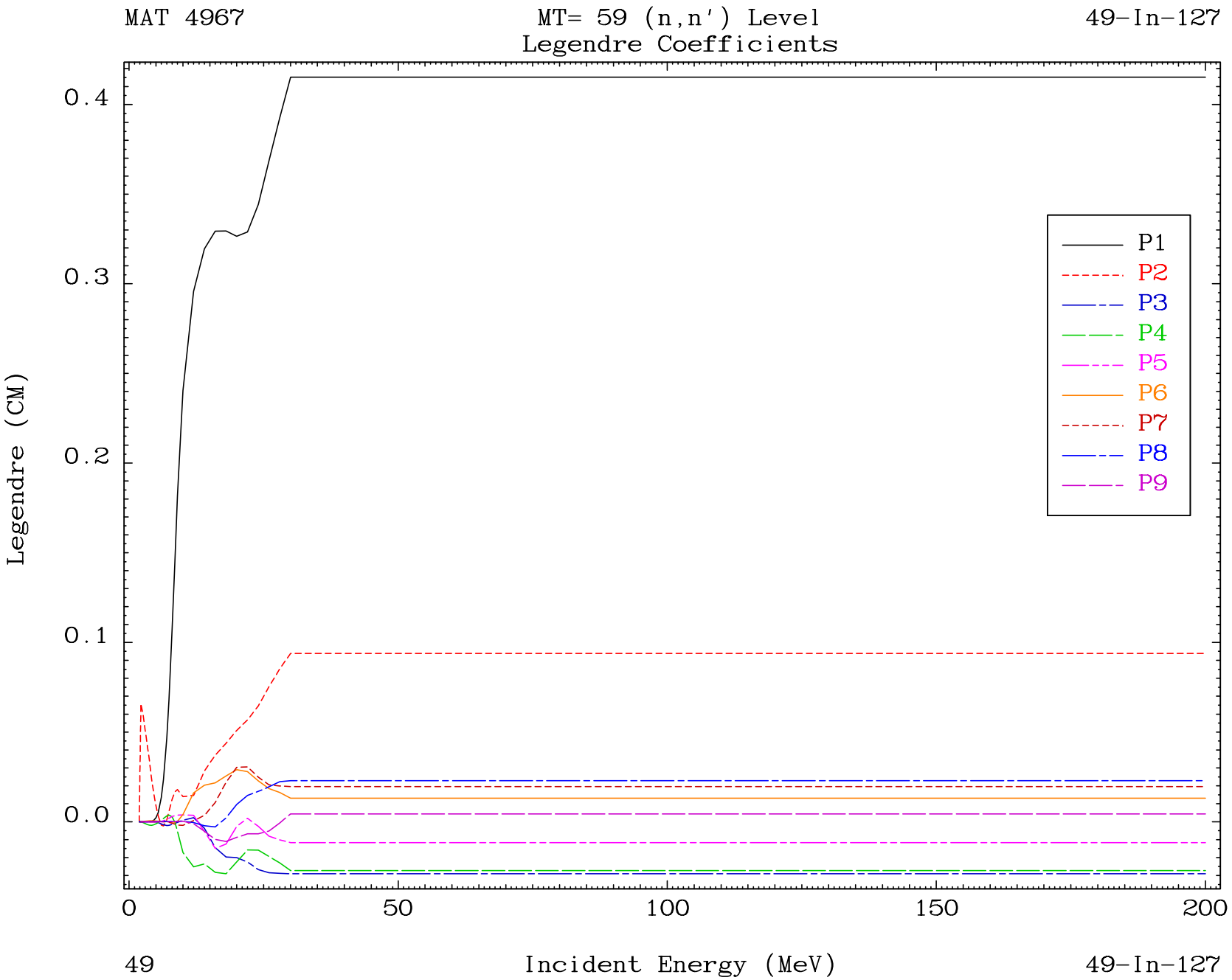

MAT 4967
MT= 57 (n,n') Level
Legendre Coefficients
49-In-127
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
49-In-127
P28
P29
P30
P31
P32
P33
P34
P35
P36

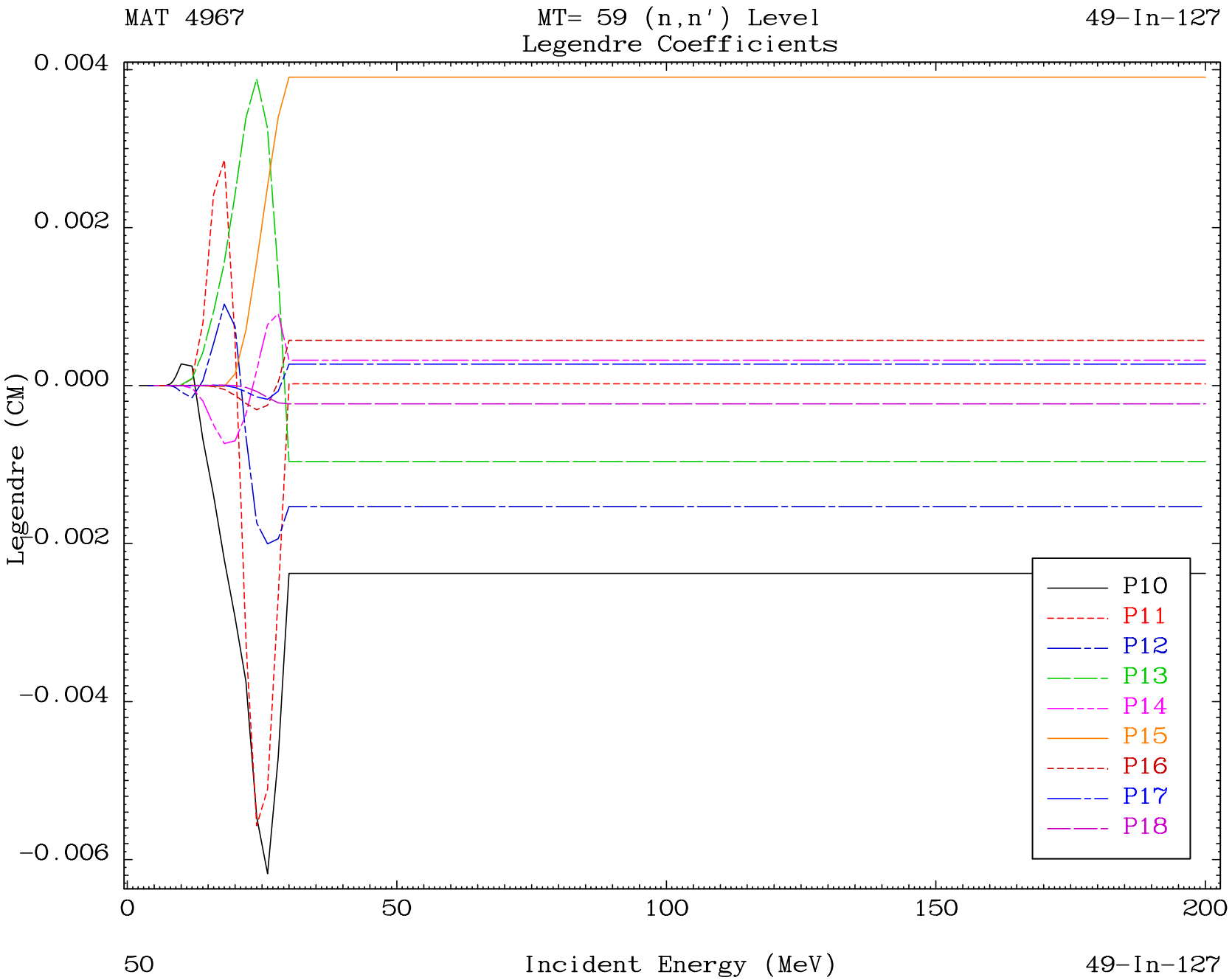

MAT 4967
MT= 58 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
45
Incident Energy (MeV)
49-In-127

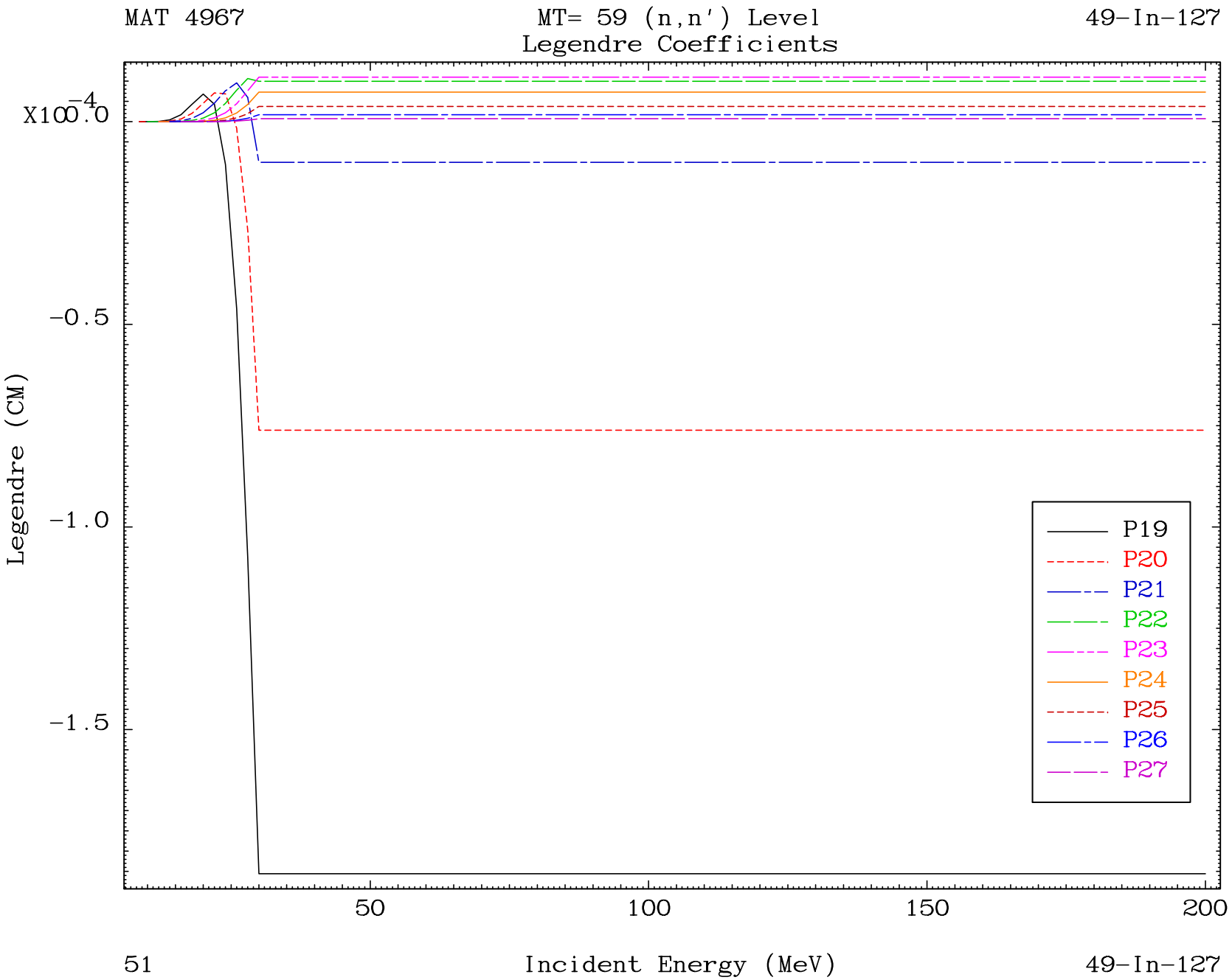

MAT 4967
MT= 58 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
46
Incident Energy (MeV)
49-In-127

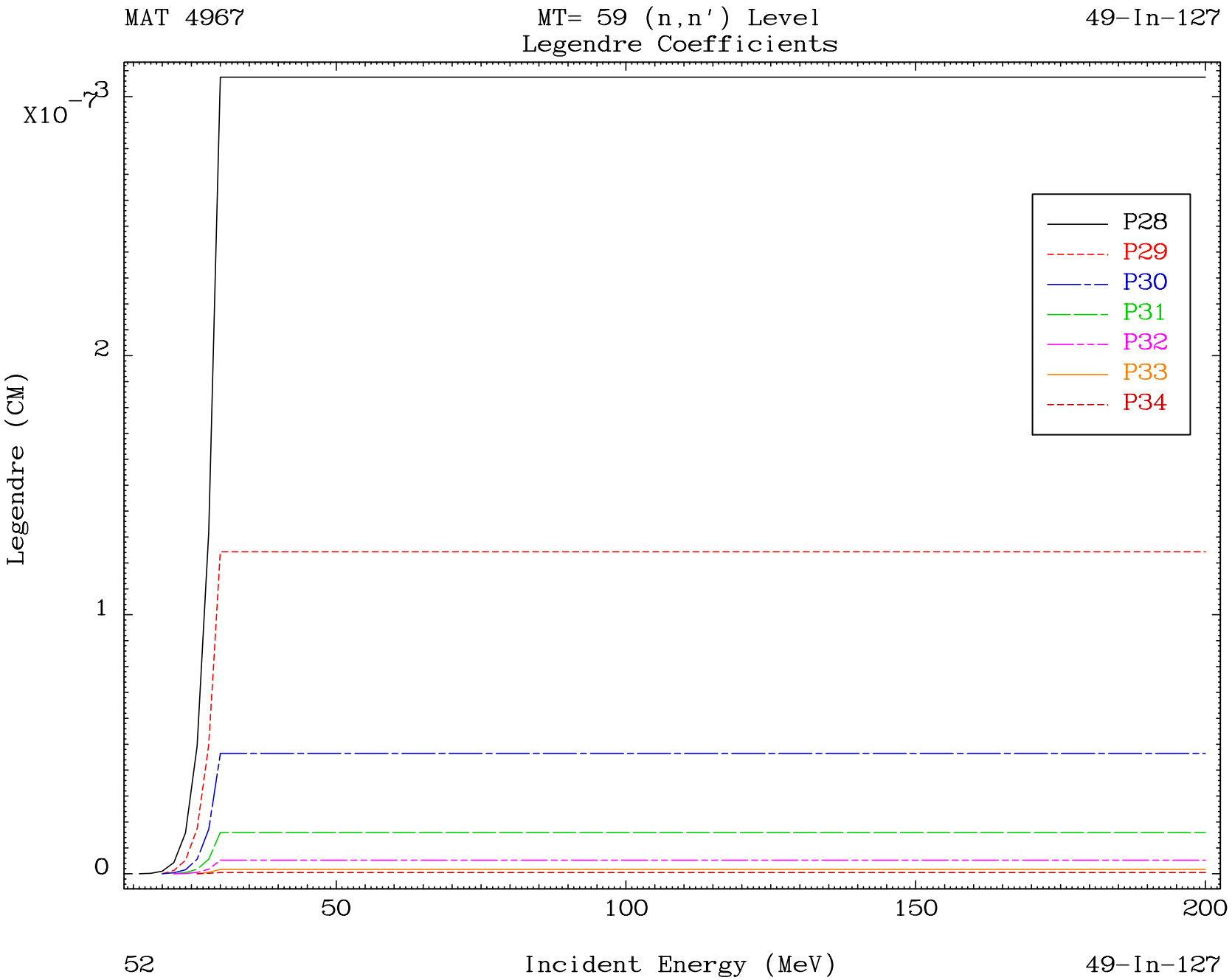

MAT 4967
MT= 58 (n,n') Level
Legendre Coefficients
49-In-127
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
49-In-127

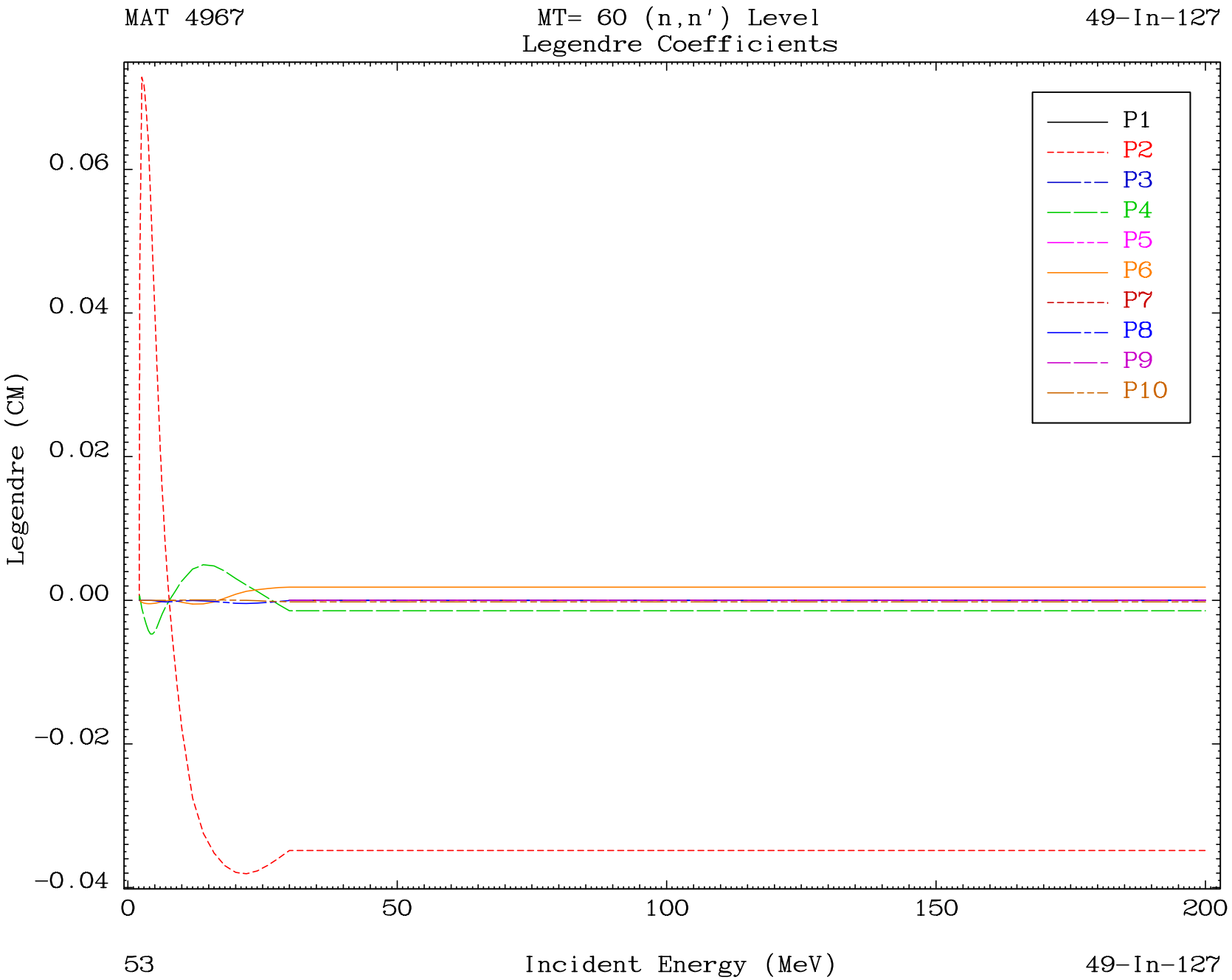

MAT 4967
MT= 58 (n,n') Level
Legendre Coefficients
49-In-127
X10^5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
49-In-127
P28
P29
P30
P31
P32
P33
P34
P35
P36

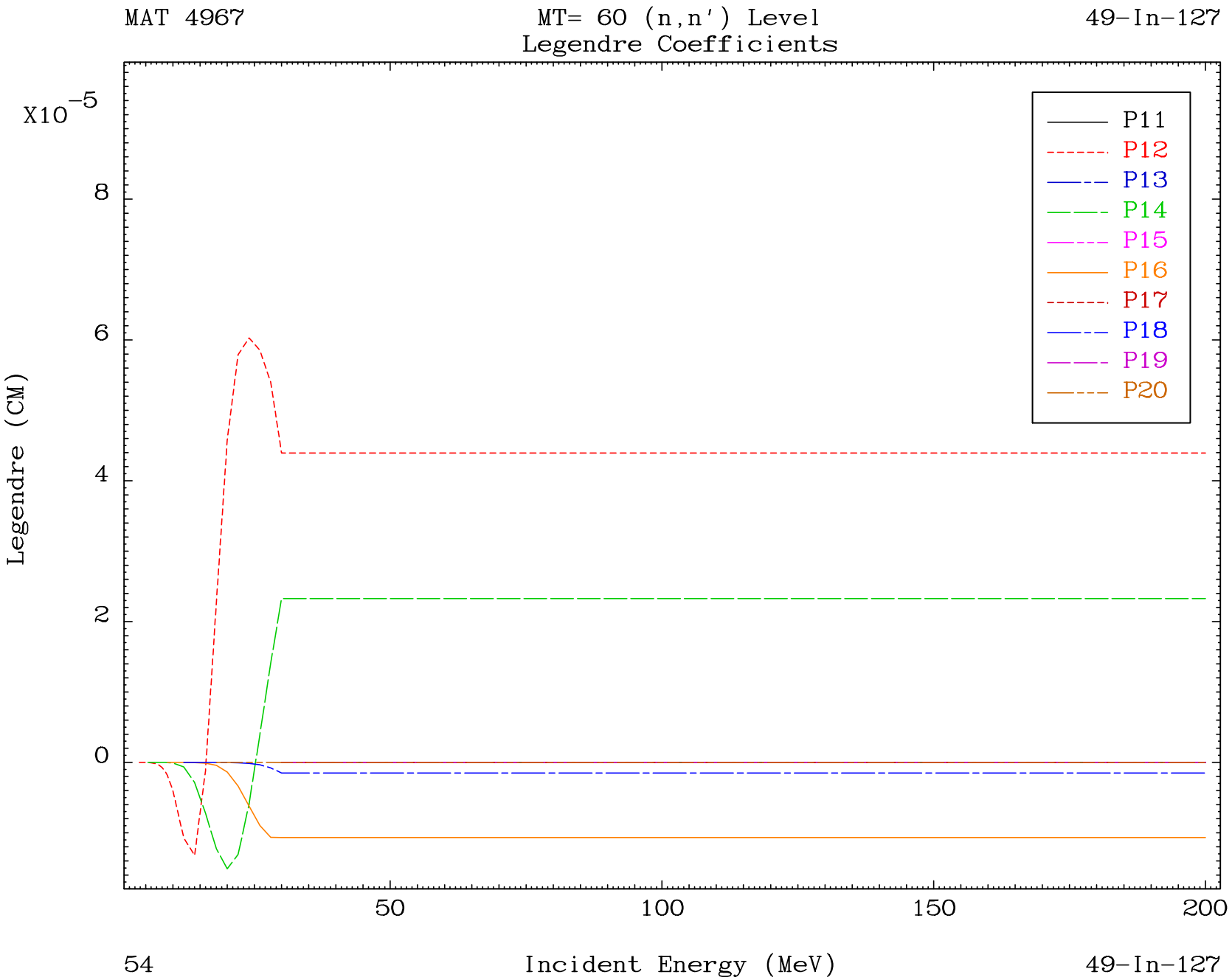

MAT 4967
MT= 59 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
49
Incident Energy (MeV)
49-In-127

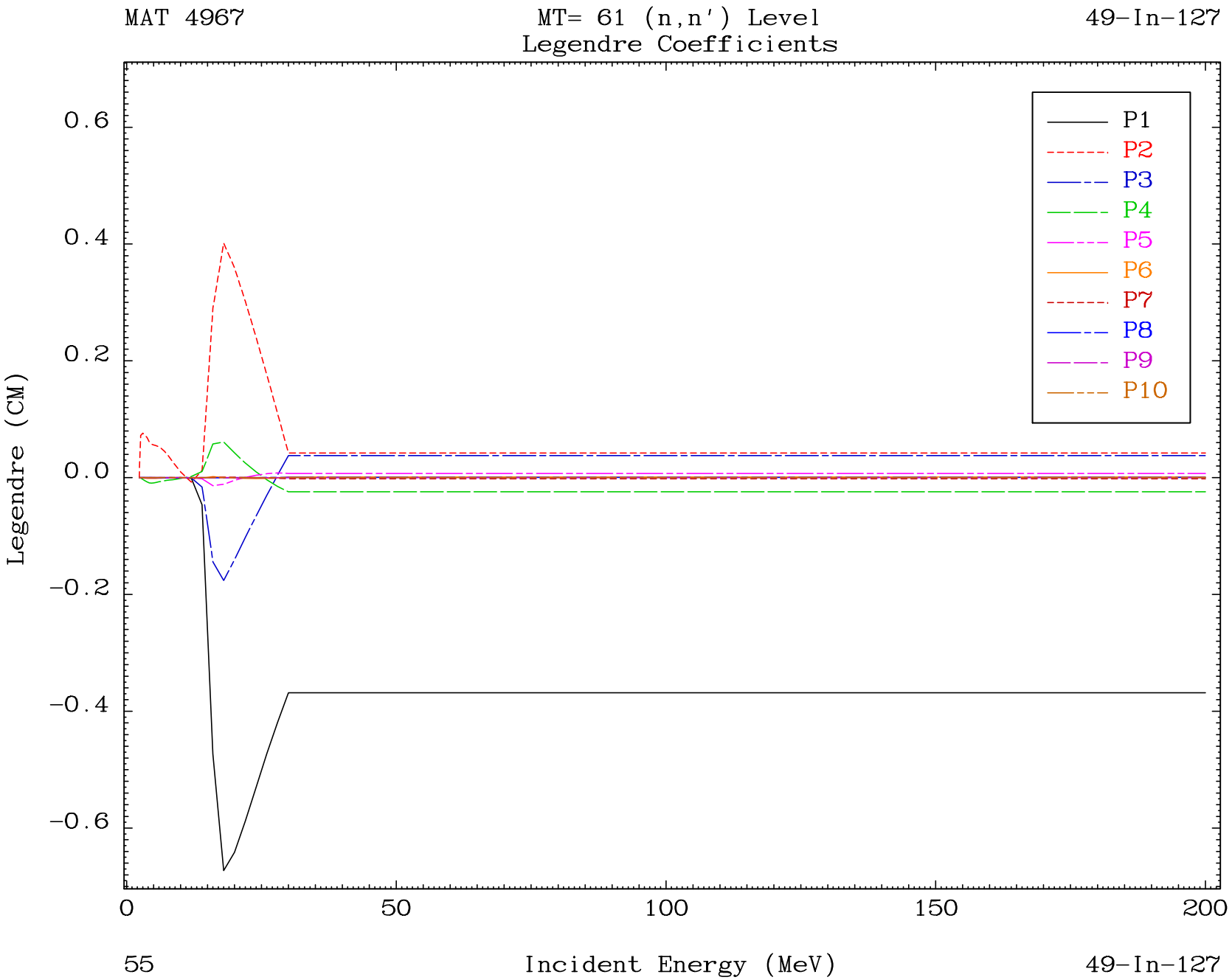

MAT 4967
MT= 59 (n,n') Level
Legendre Coefficients
49-In-127
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
0
50
100
150
200
50
Incident Energy (MeV)
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18

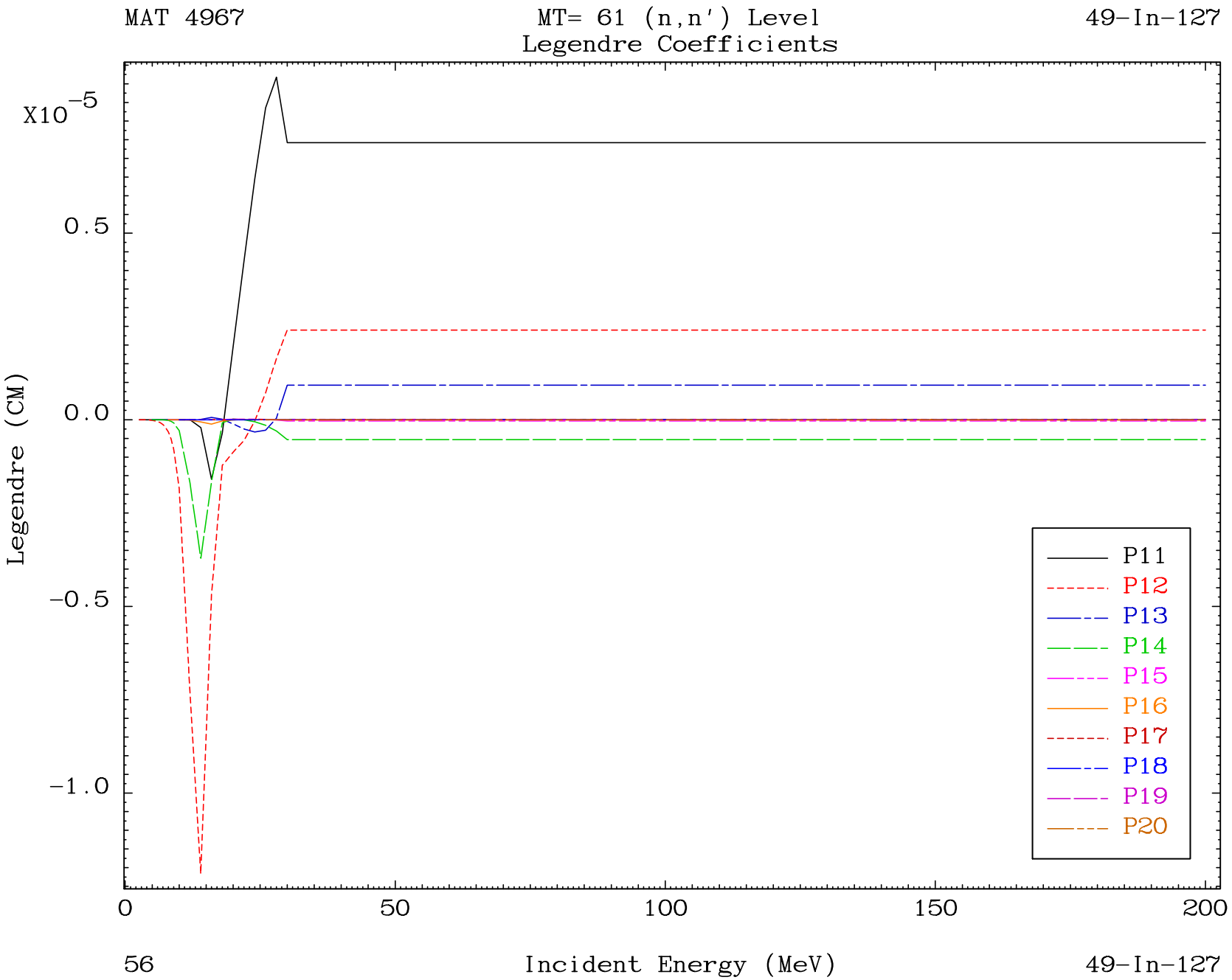

MAT 4967
MT= 59 (n,n') Level
Legendre Coefficients
49-In-127
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27

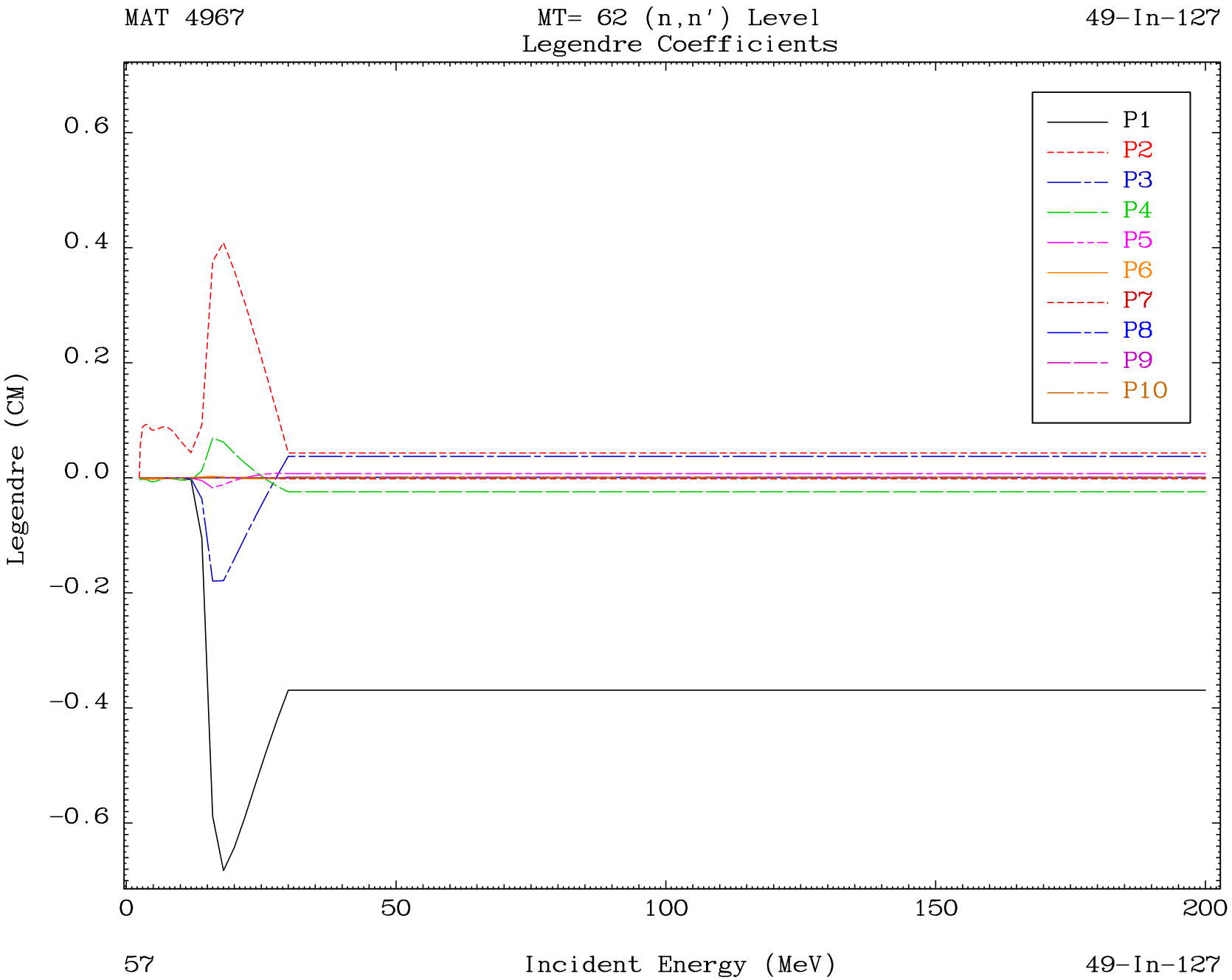

MAT 4967
MT= 59 (n,n') Level
Legendre Coefficients
49-In-127
X10-3
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
52
Incident Energy (MeV)
49-In-127

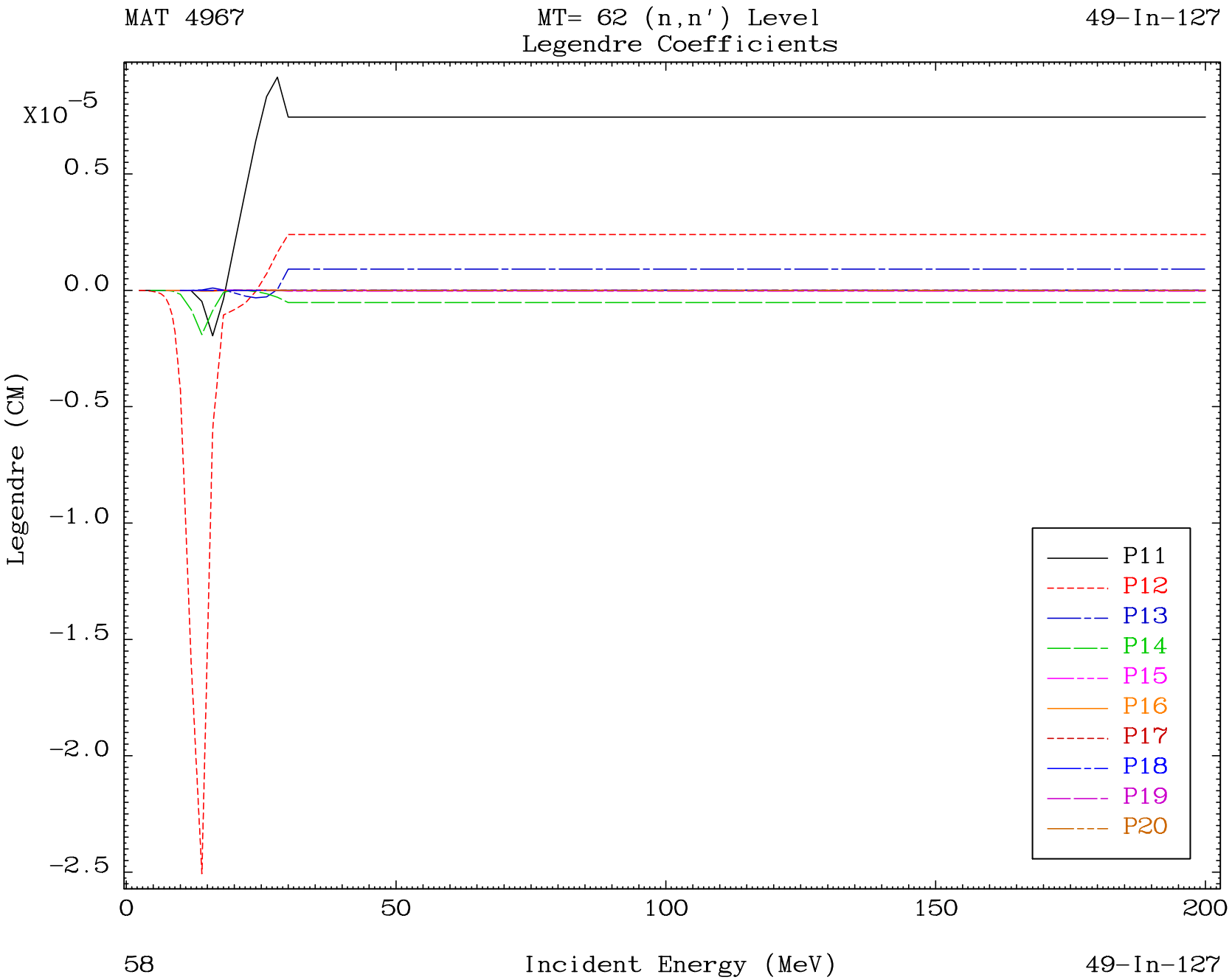

MAT 4967
MT= 60 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
49-In-127

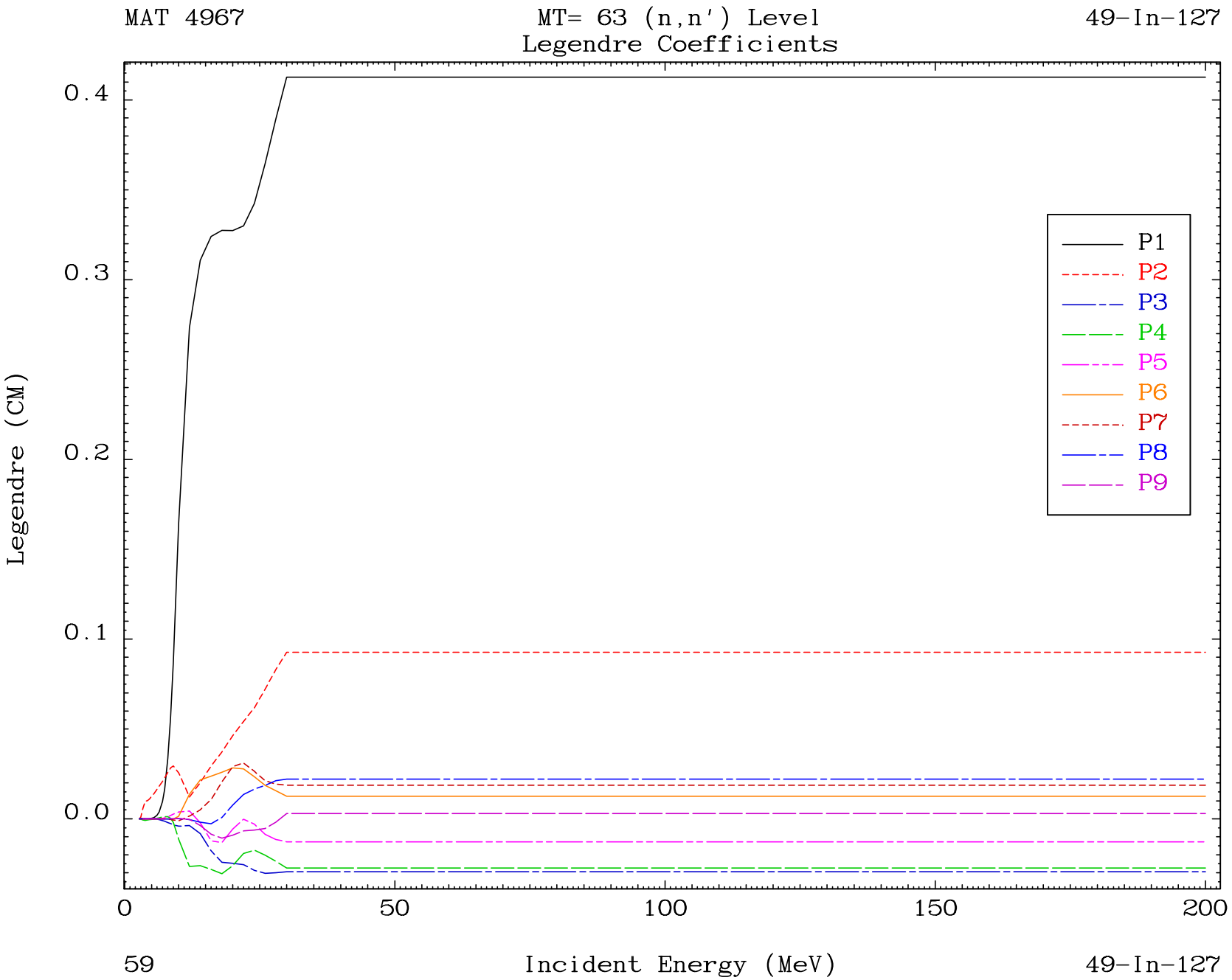

MAT 4967
MT= 60 (n,n') Level
Legendre Coefficients
49-In-127
X10^-5
8
6
4
2
0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
54
Incident Energy (MeV)
49-In-127

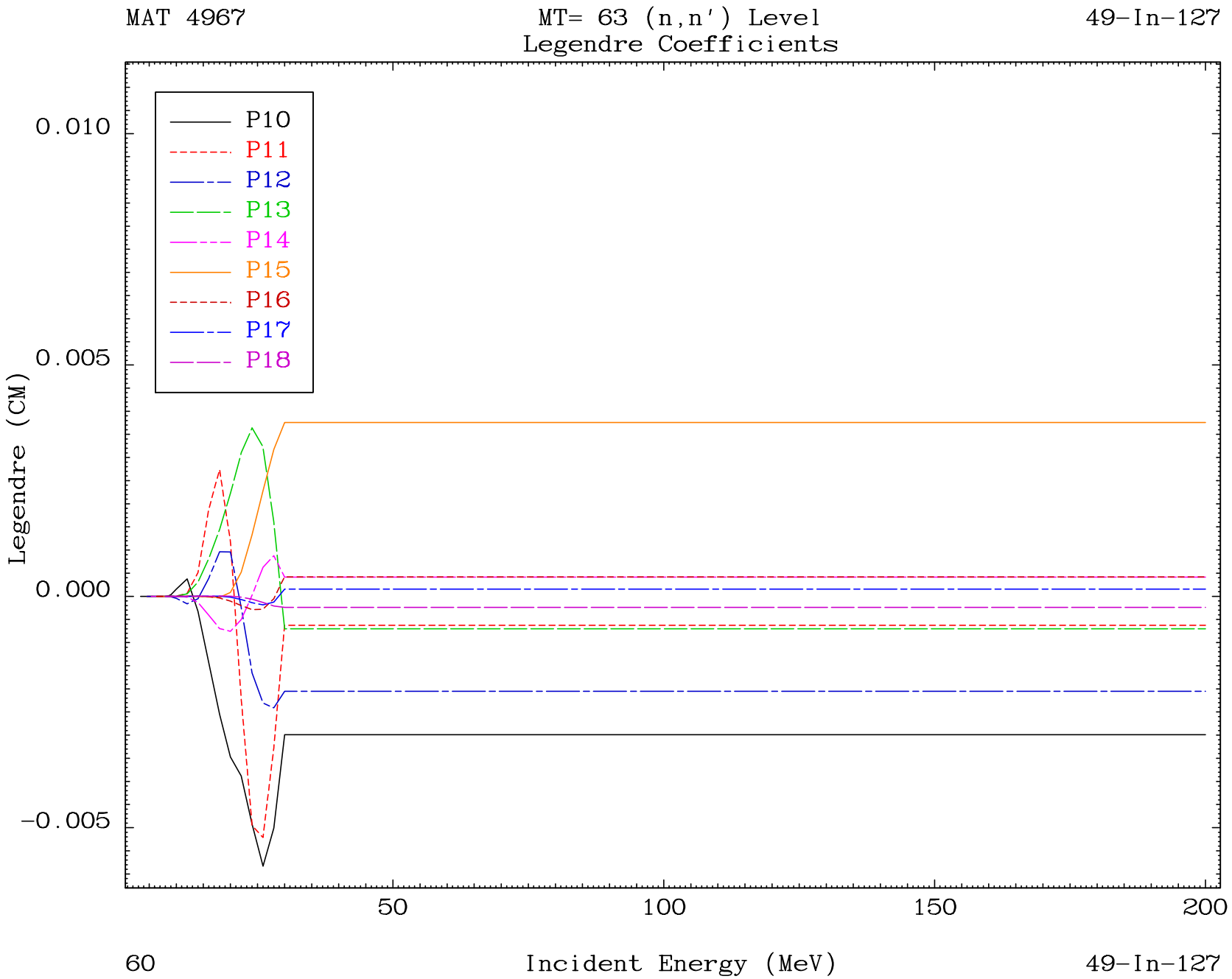

MAT 4967
MT= 61 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
Legendre (CM)
0
50
100
150
200
55
Incident Energy (MeV)
49-In-127

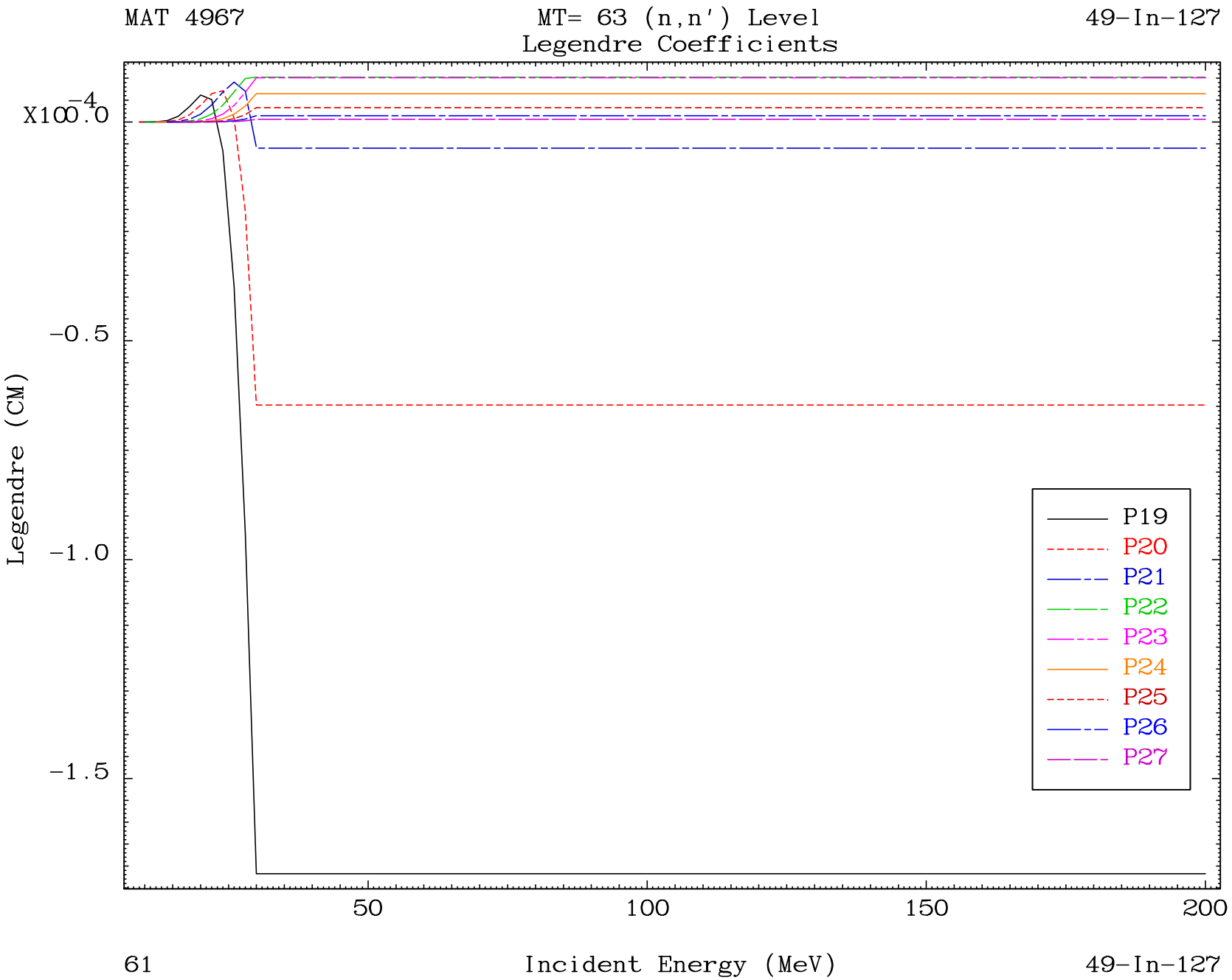

MAT 4967
MT= 61 (n,n') Level
Legendre Coefficients
49-In-127
X10^-5
0.5
0.0
-0.5
-1.0
Legendre (CM)
0
50
100
150
200
56
Incident Energy (MeV)
49-In-127
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

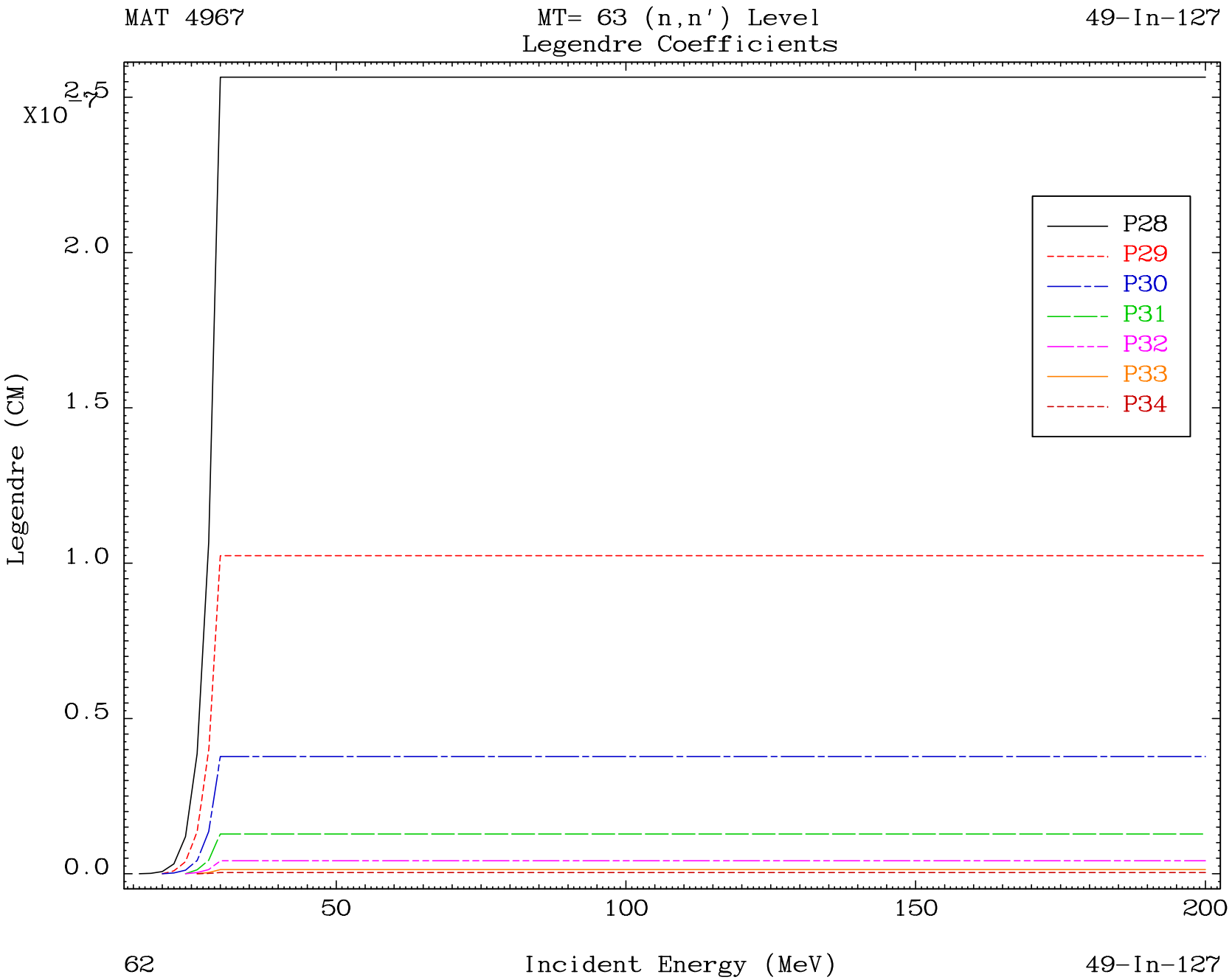

MAT 4967
MT= 62 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
49-In-127

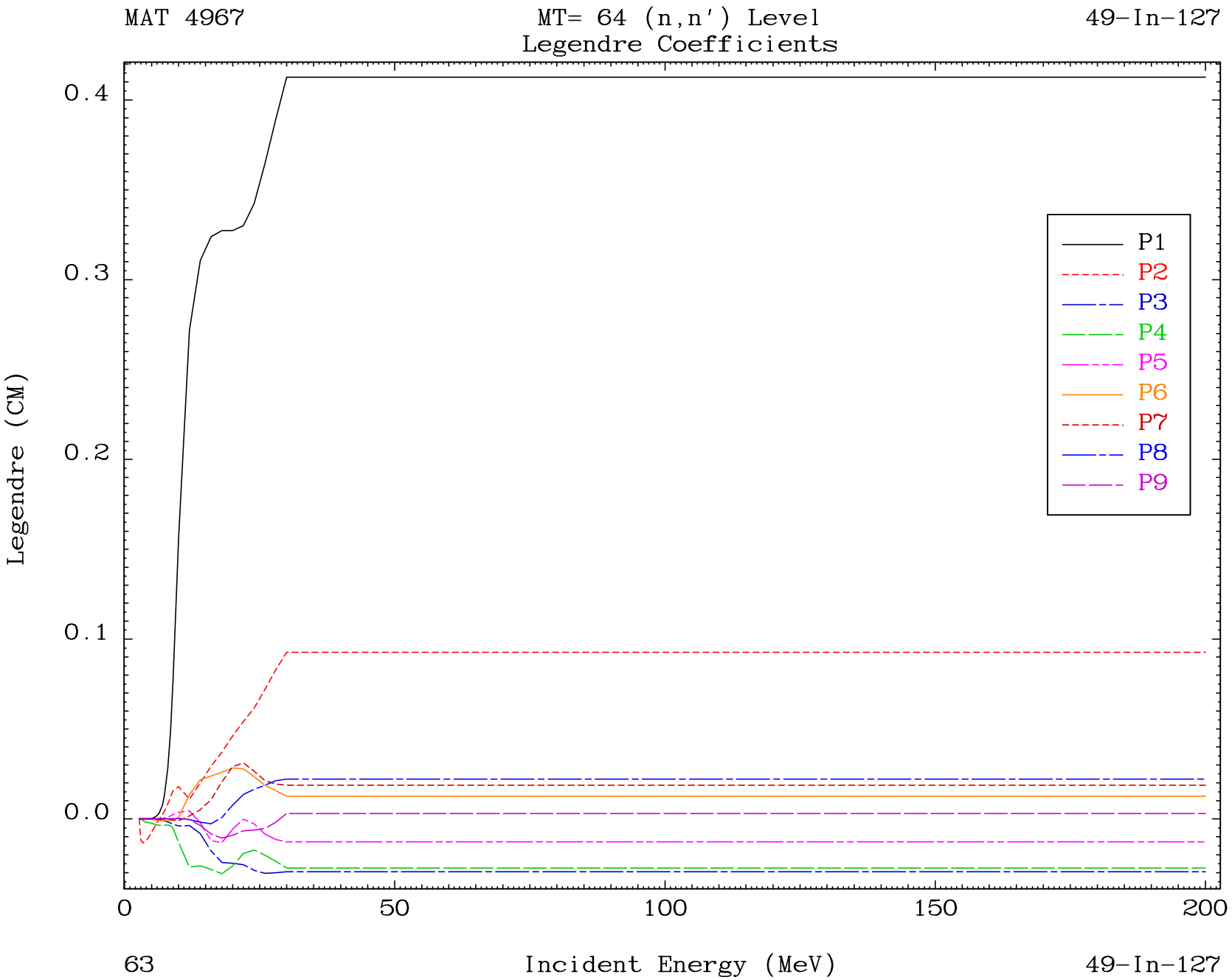

MAT 4967
MT= 62 (n,n') Level
Legendre Coefficients
49-In-127
X10^-5
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
0
50
100
150
200
58
Incident Energy (MeV)
49-In-127
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

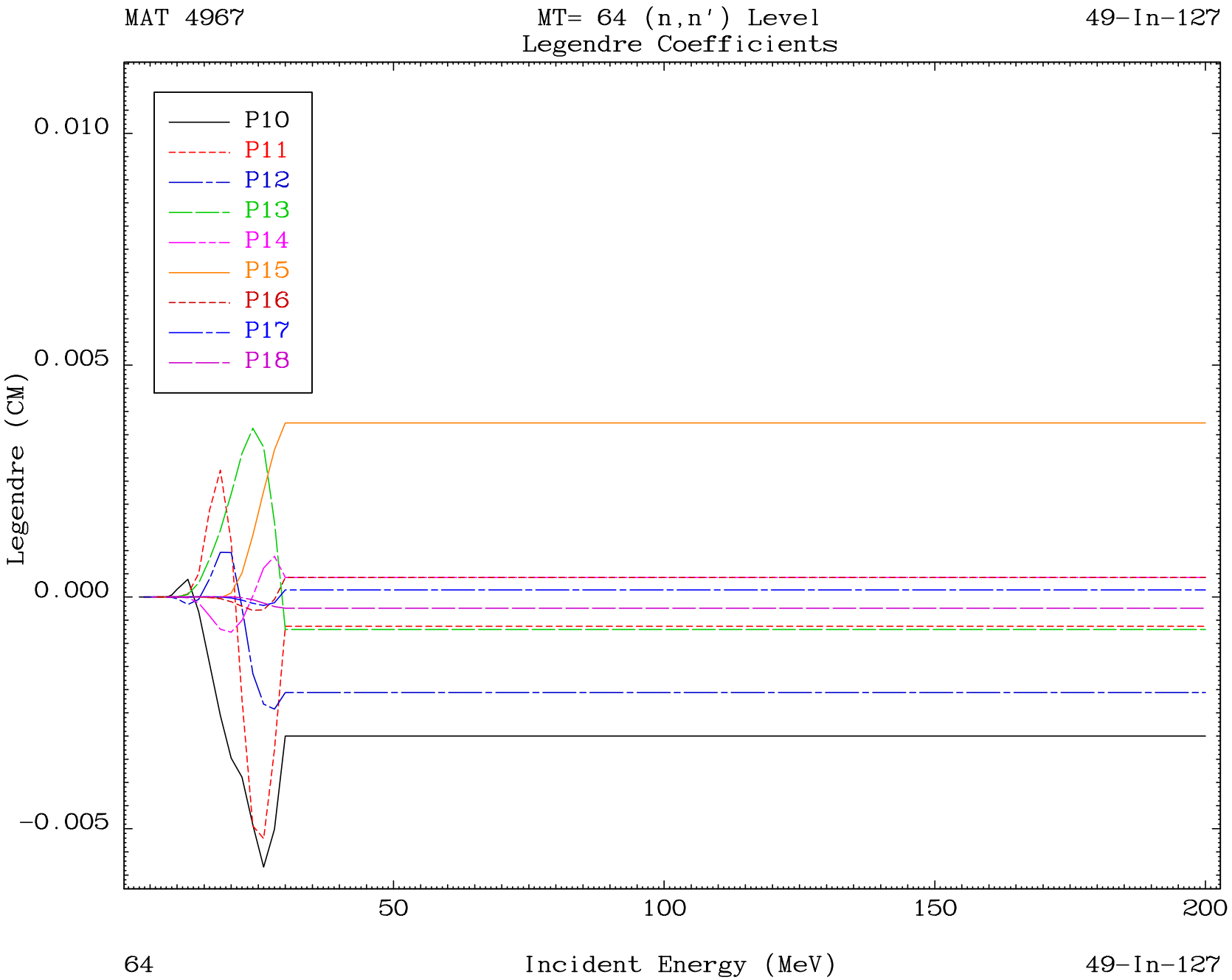

MAT 4967
MT= 63 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
59
Incident Energy (MeV)
49-In-127

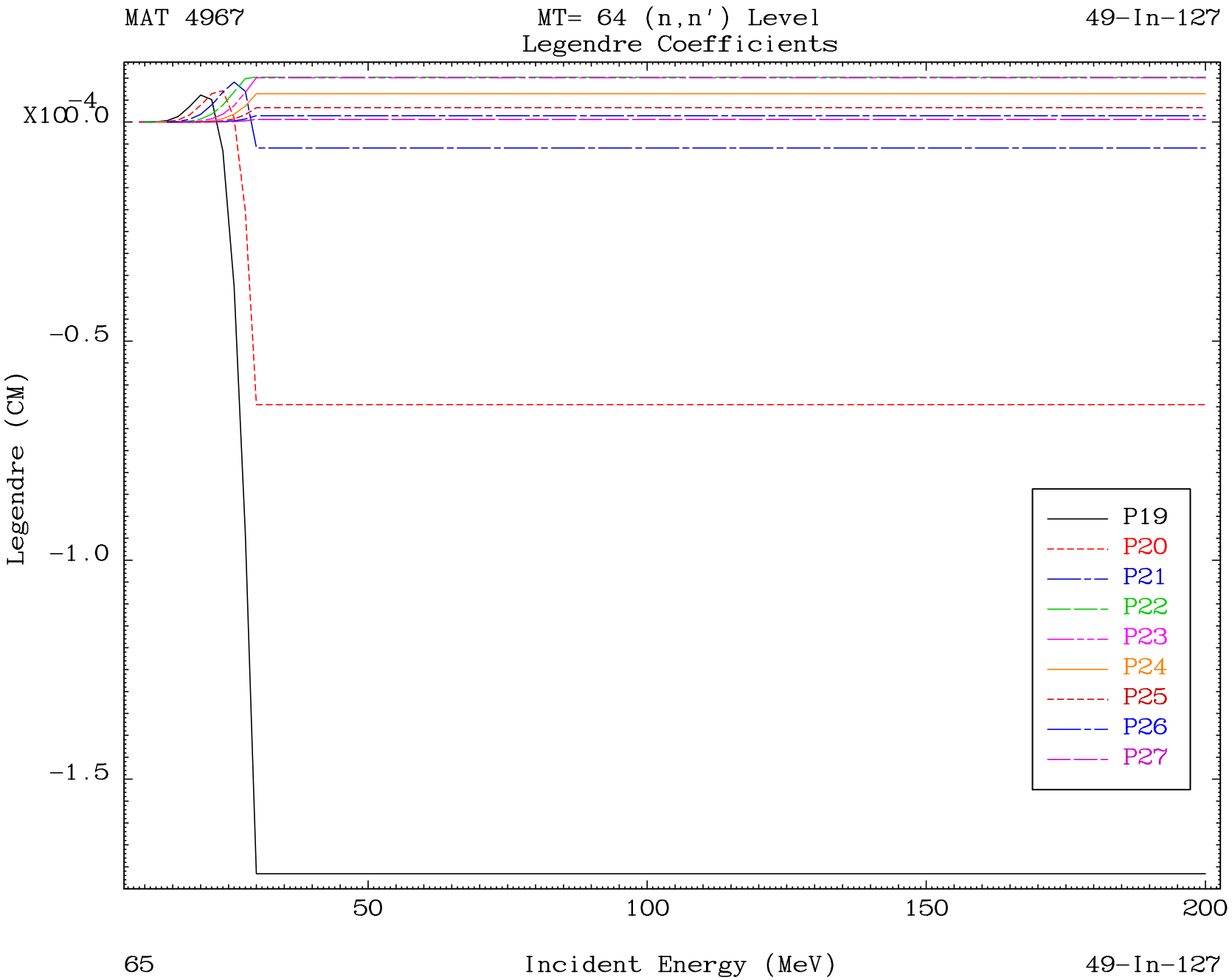

MAT 4967
MT= 63 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
49-In-127

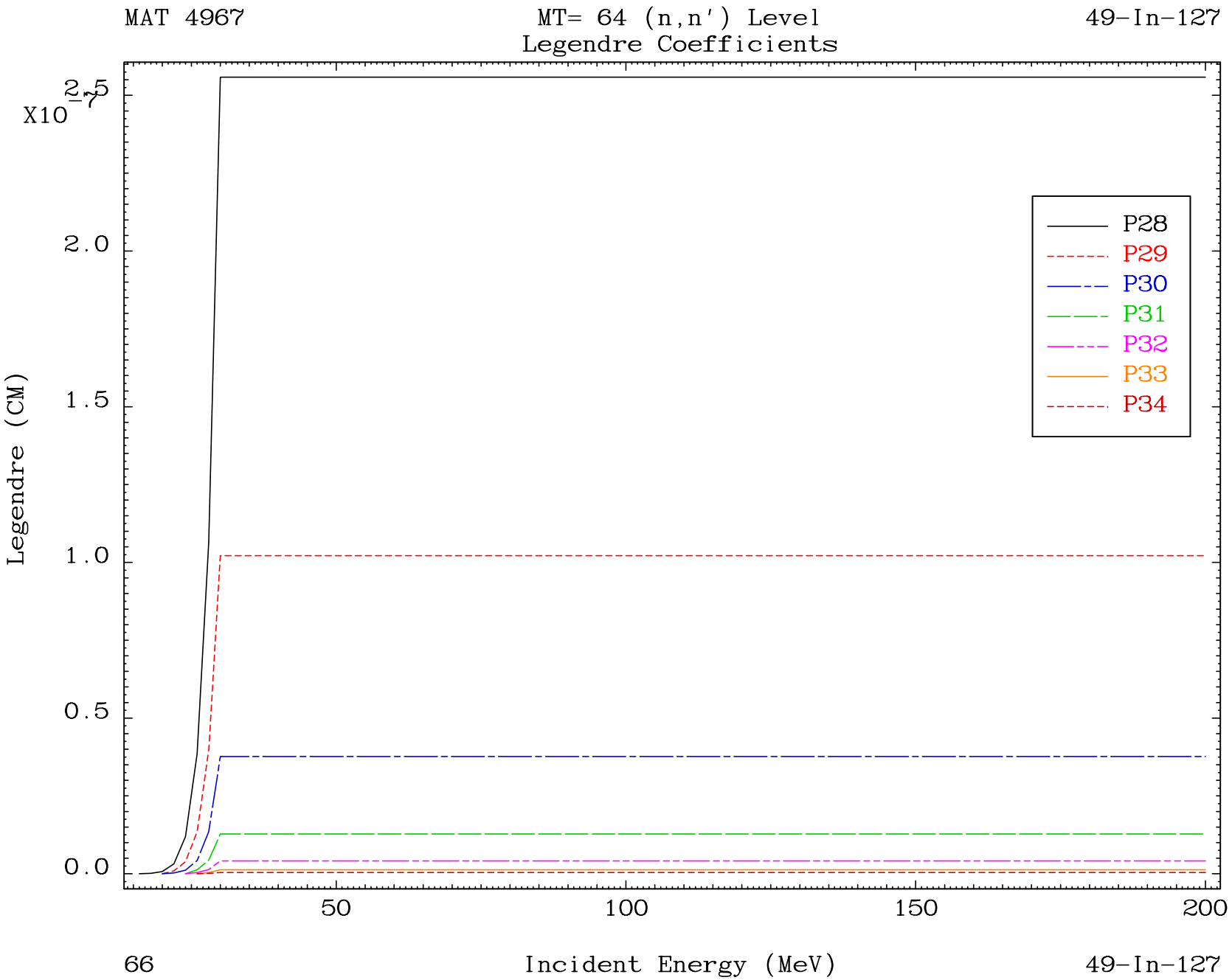

MAT 4967
MT= 63 (n,n') Level
Legendre Coefficients
49-In-127
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27

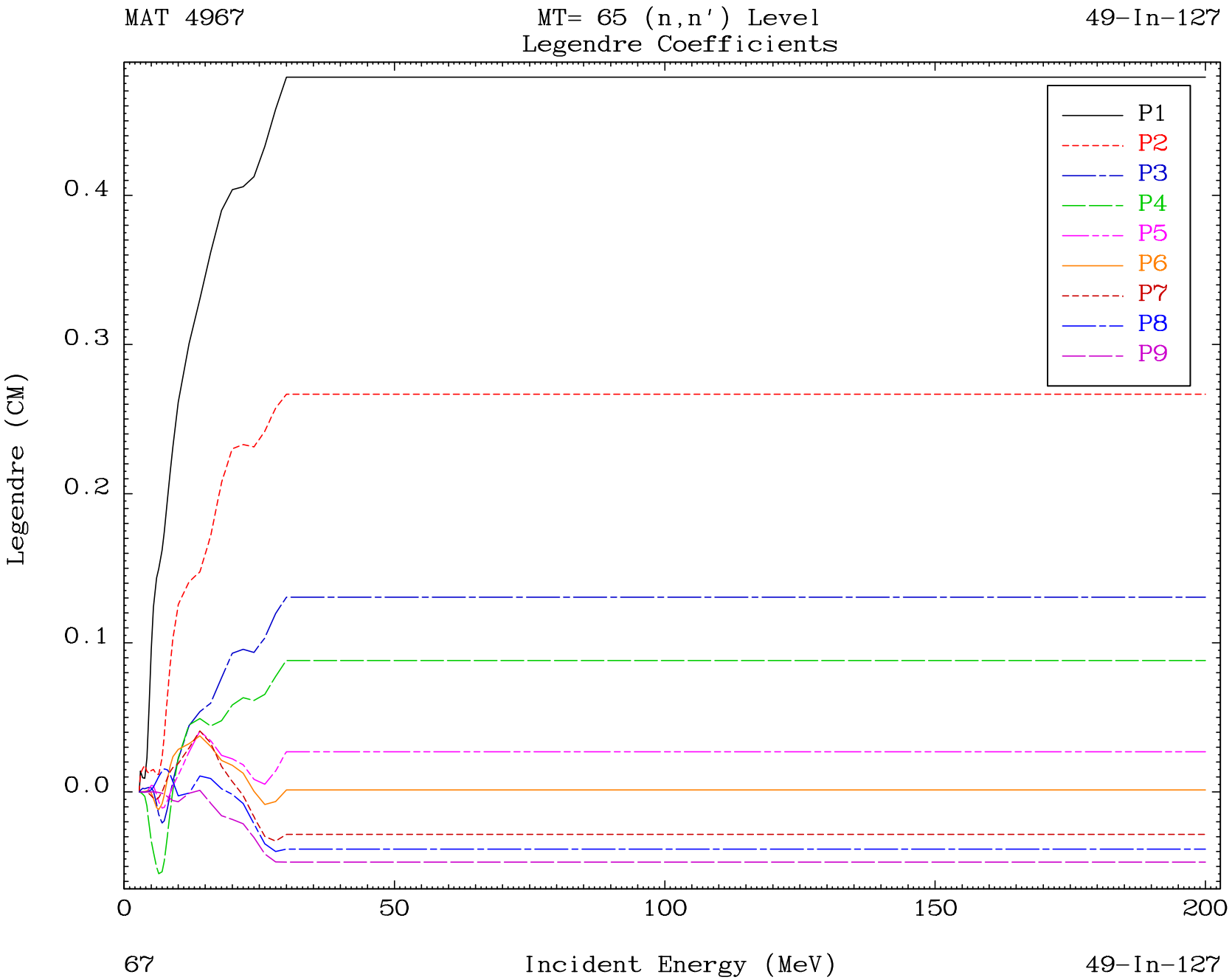

MAT 4967
MT= 63 (n,n') Level
Legendre Coefficients
49-In-127
X10-5
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
62
Incident Energy (MeV)
49-In-127

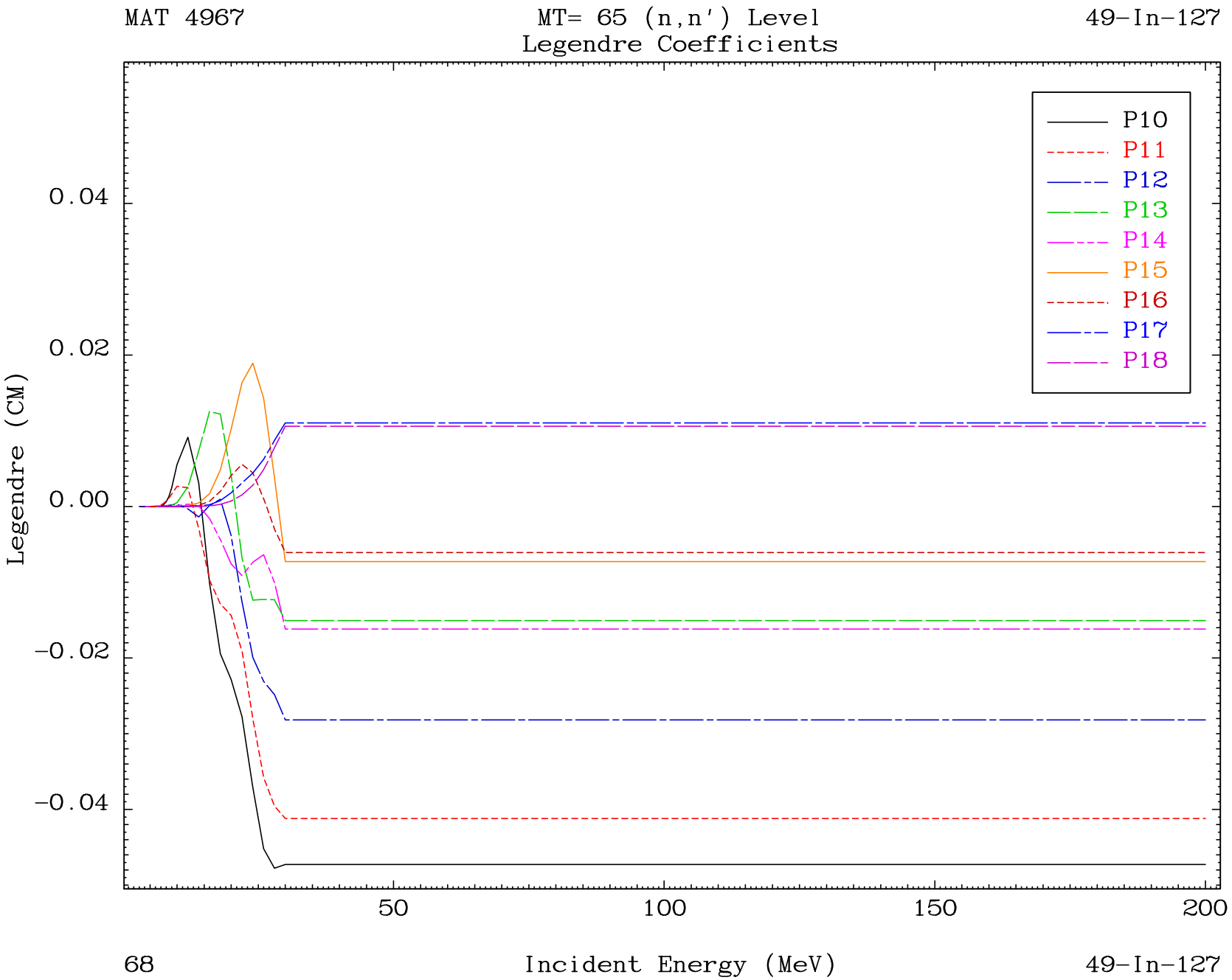

MAT 4967
MT= 64 (n,n') Level
Legendre Coefficients
49-In-127
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
63
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9

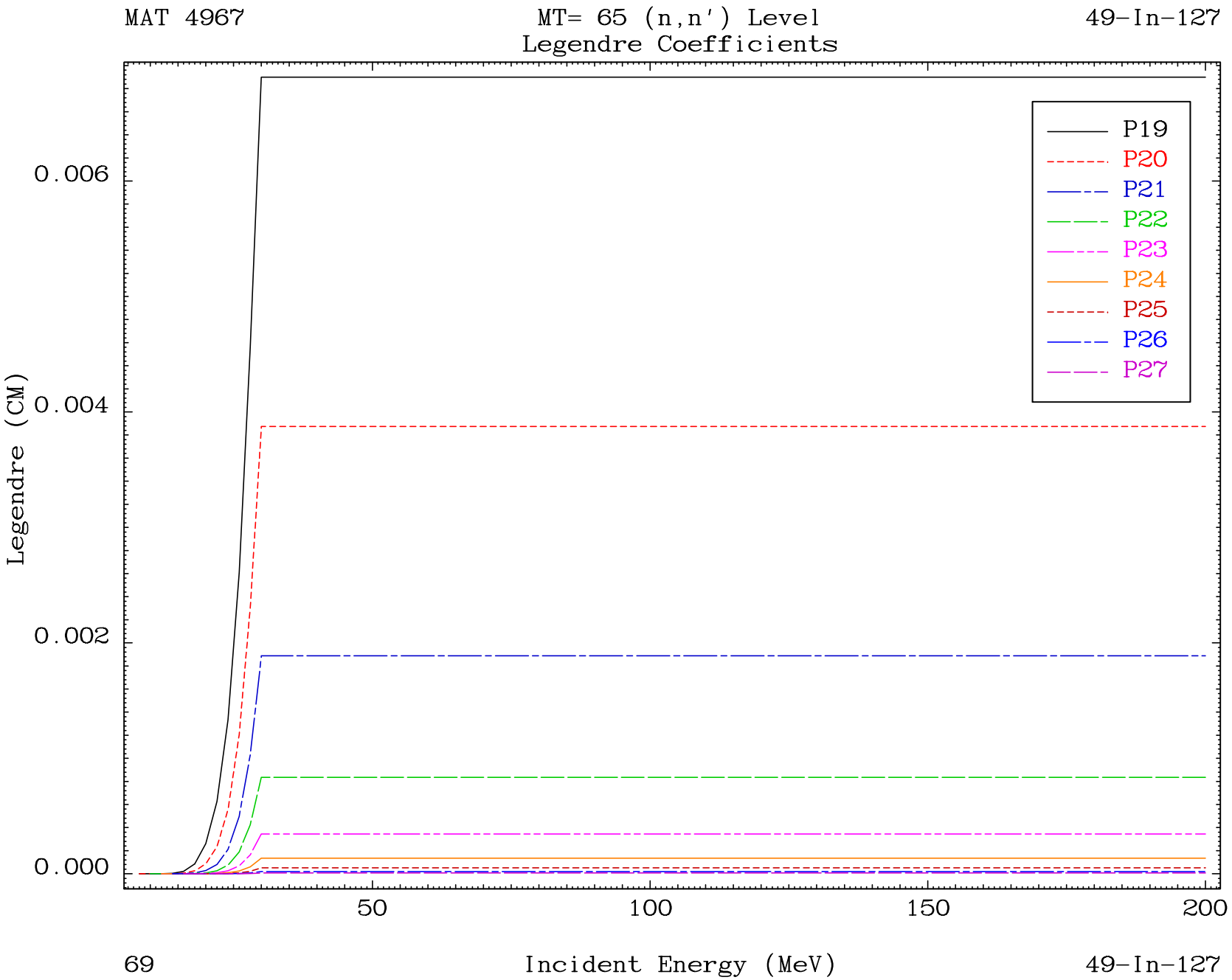

MAT 4967
MT= 64 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
49-In-127

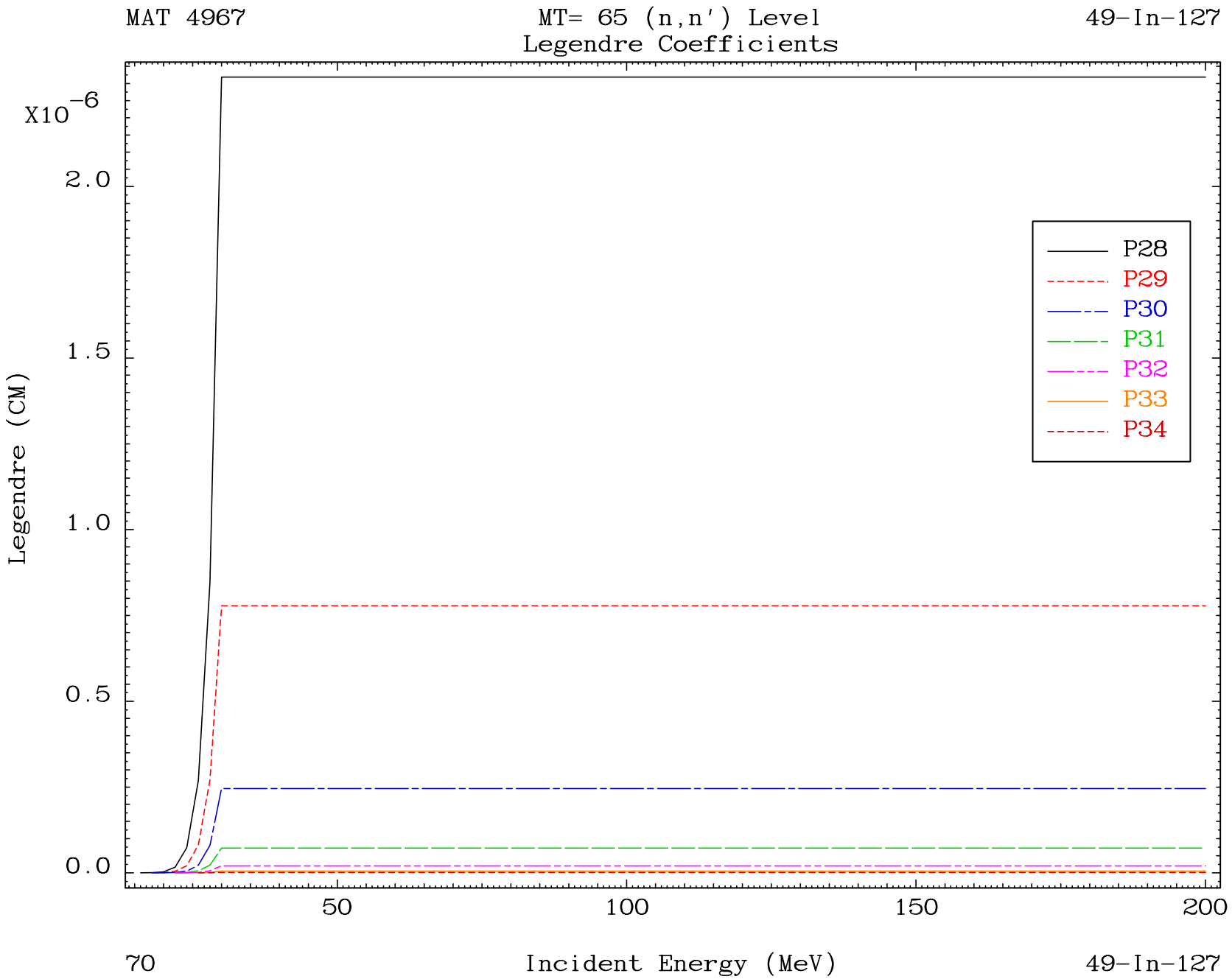

MAT 4967
MT= 64 (n,n') Level
Legendre Coefficients
49-In-127
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27

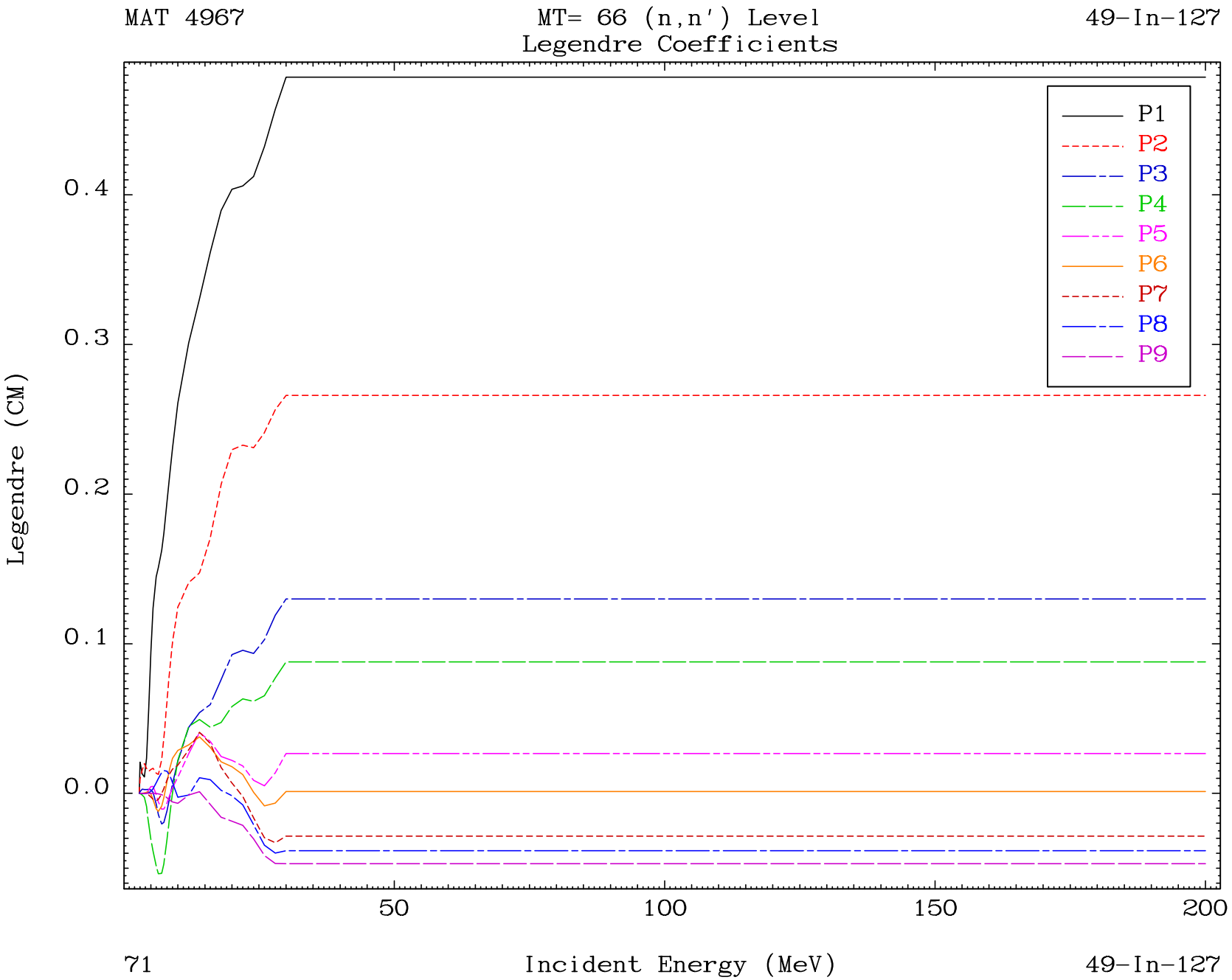

MAT 4967
MT= 64 (n,n') Level
Legendre Coefficients
49-In-127
X10-7
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
66
Incident Energy (MeV)
49-In-127

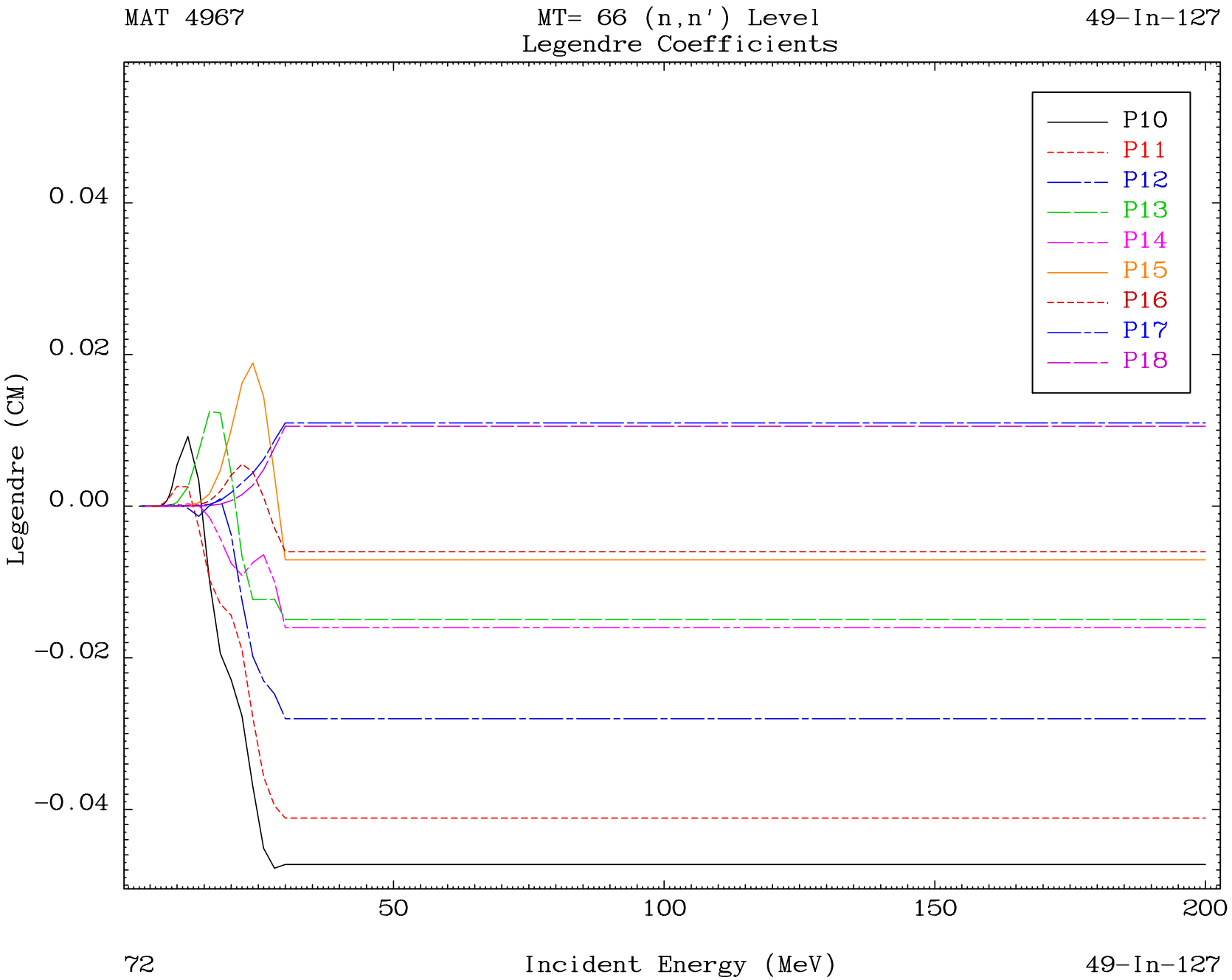

MAT 4967
MT= 65 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
67
Incident Energy (MeV)
49-In-127

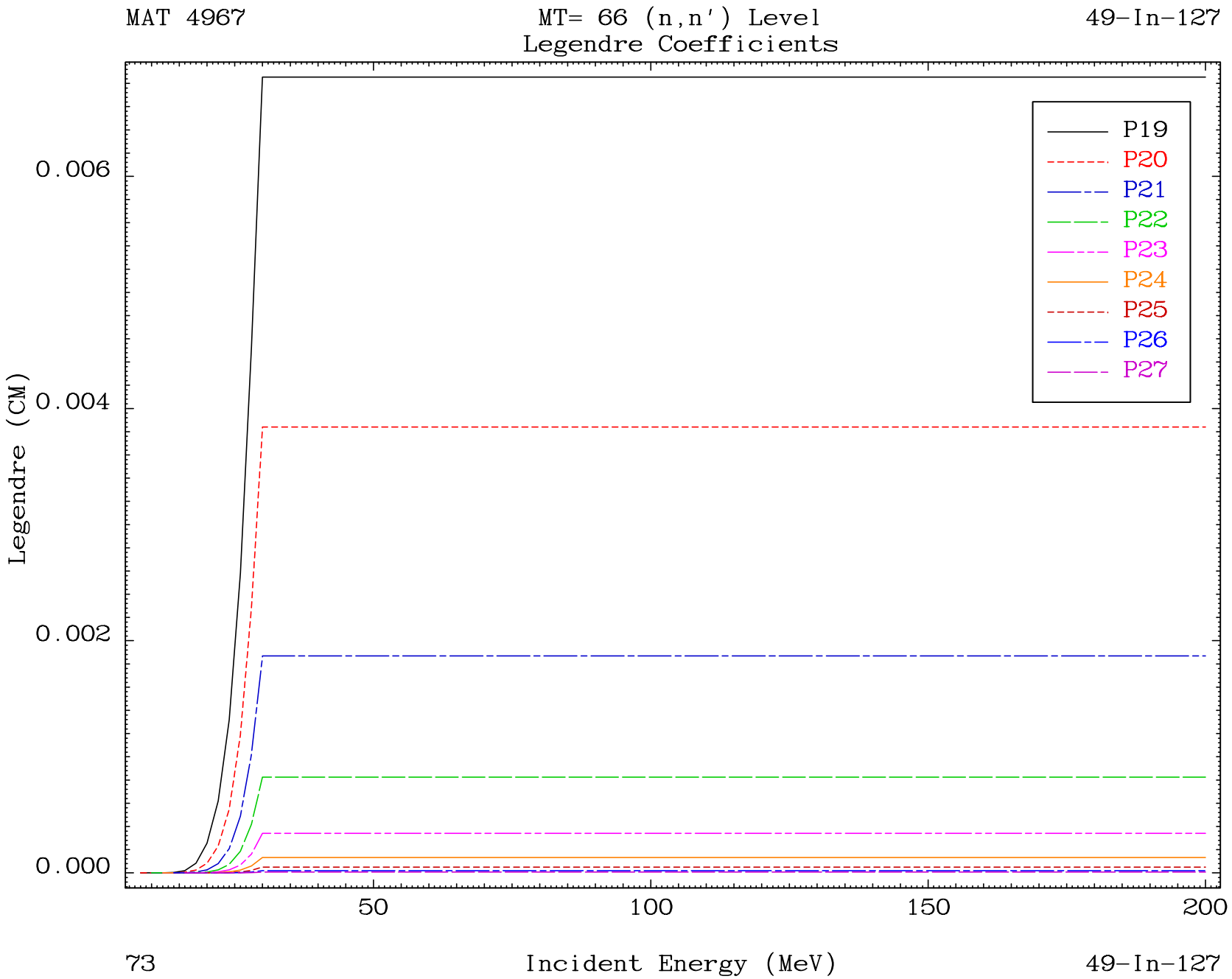

MAT 4967
MT= 65 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
49-In-127

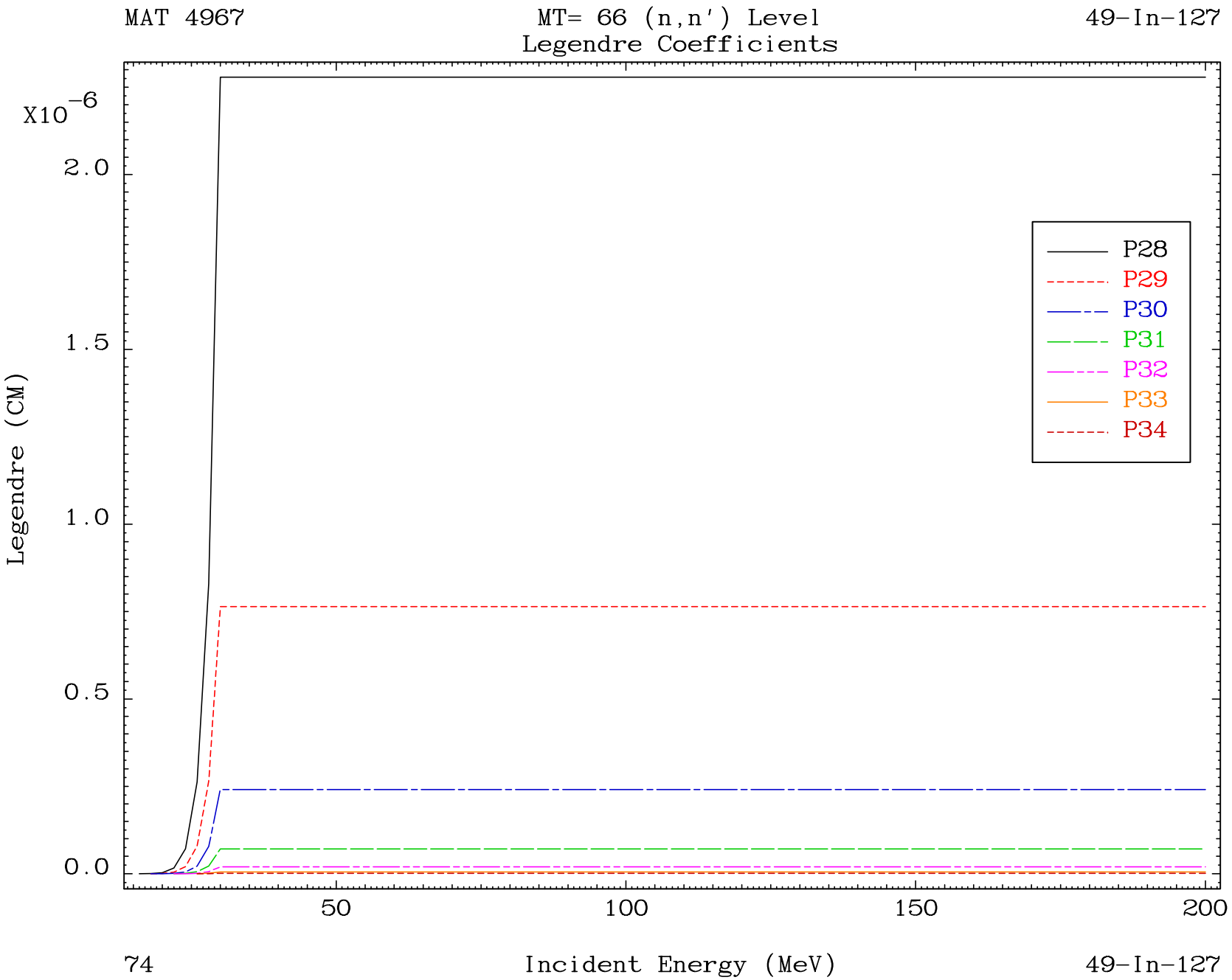

MAT 4967
MT= 65 (n,n') Level
Legendre Coefficients
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
49-In-127

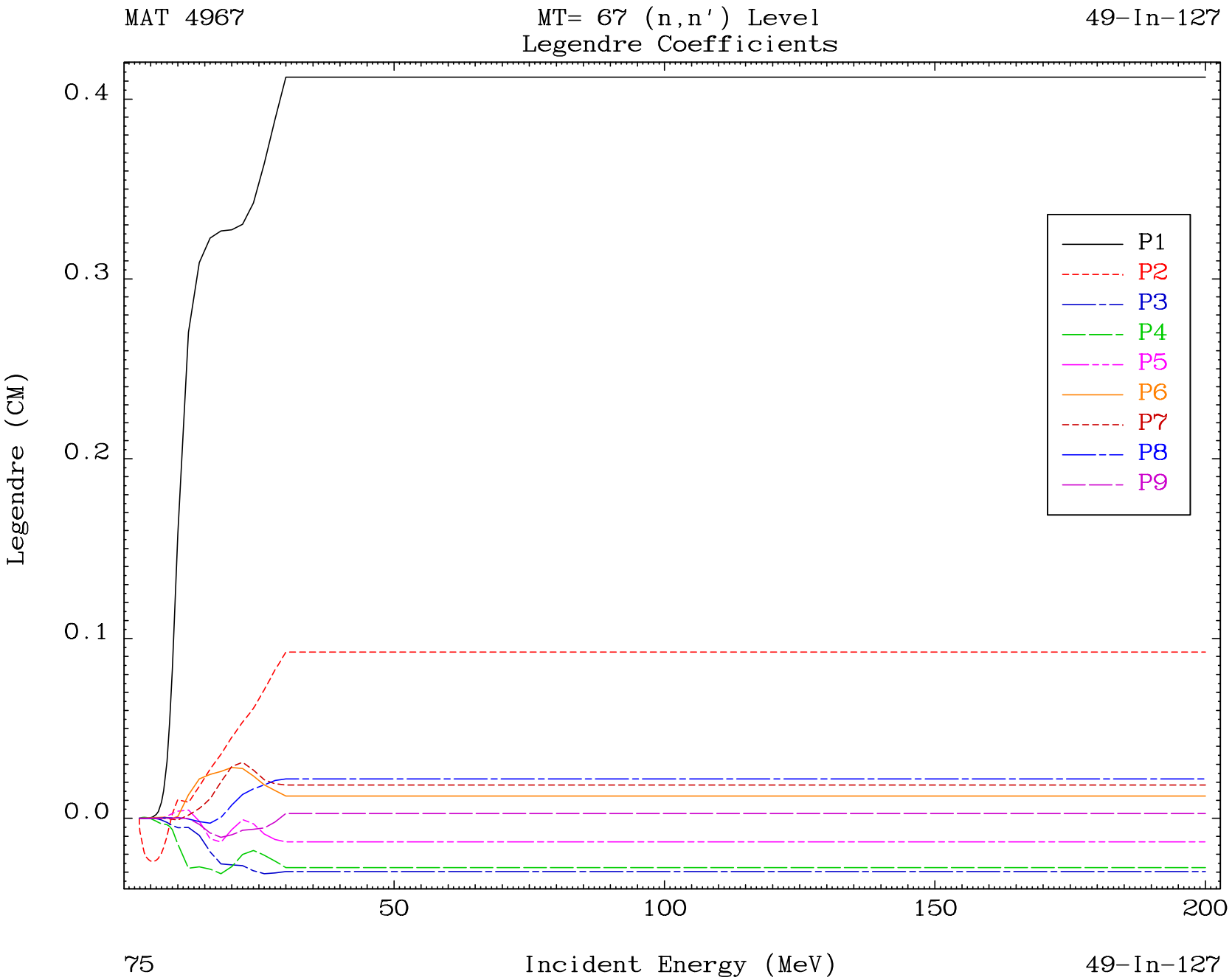

MAT 4967
MT= 65 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
70
Incident Energy (MeV)
49-In-127

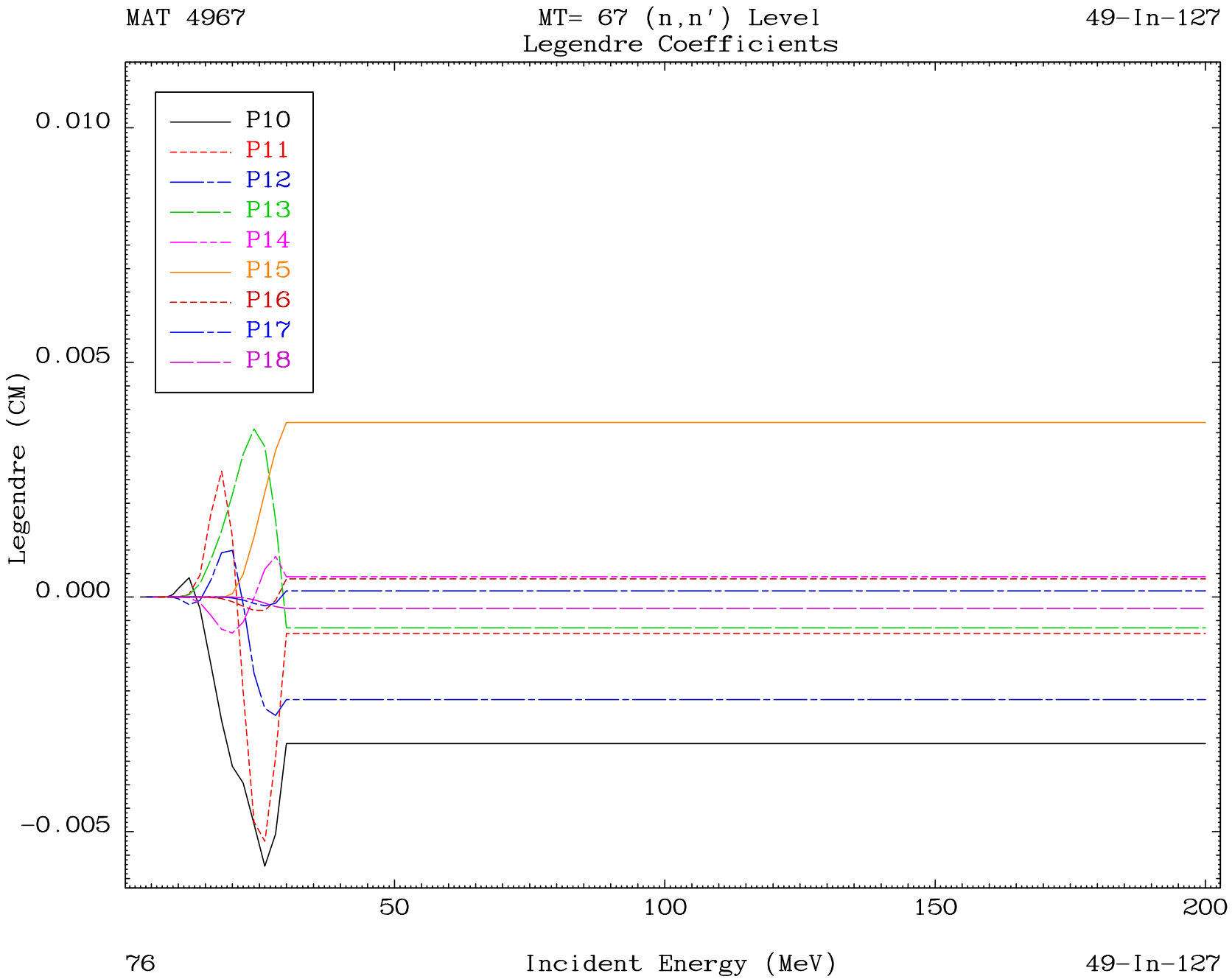

MAT 4967
MT= 66 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
71
Incident Energy (MeV)
49-In-127

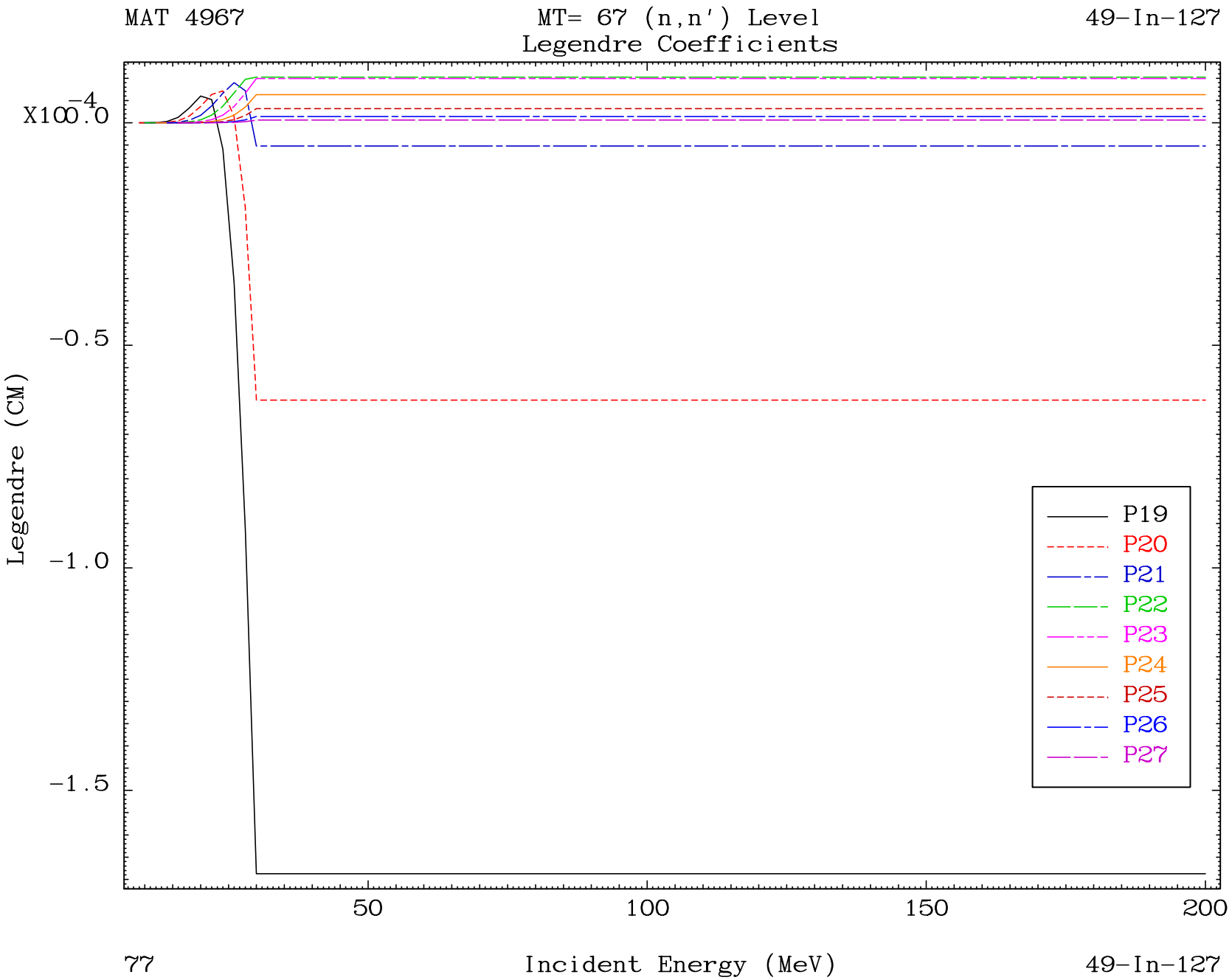

MAT 4967
MT= 66 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
49-In-127

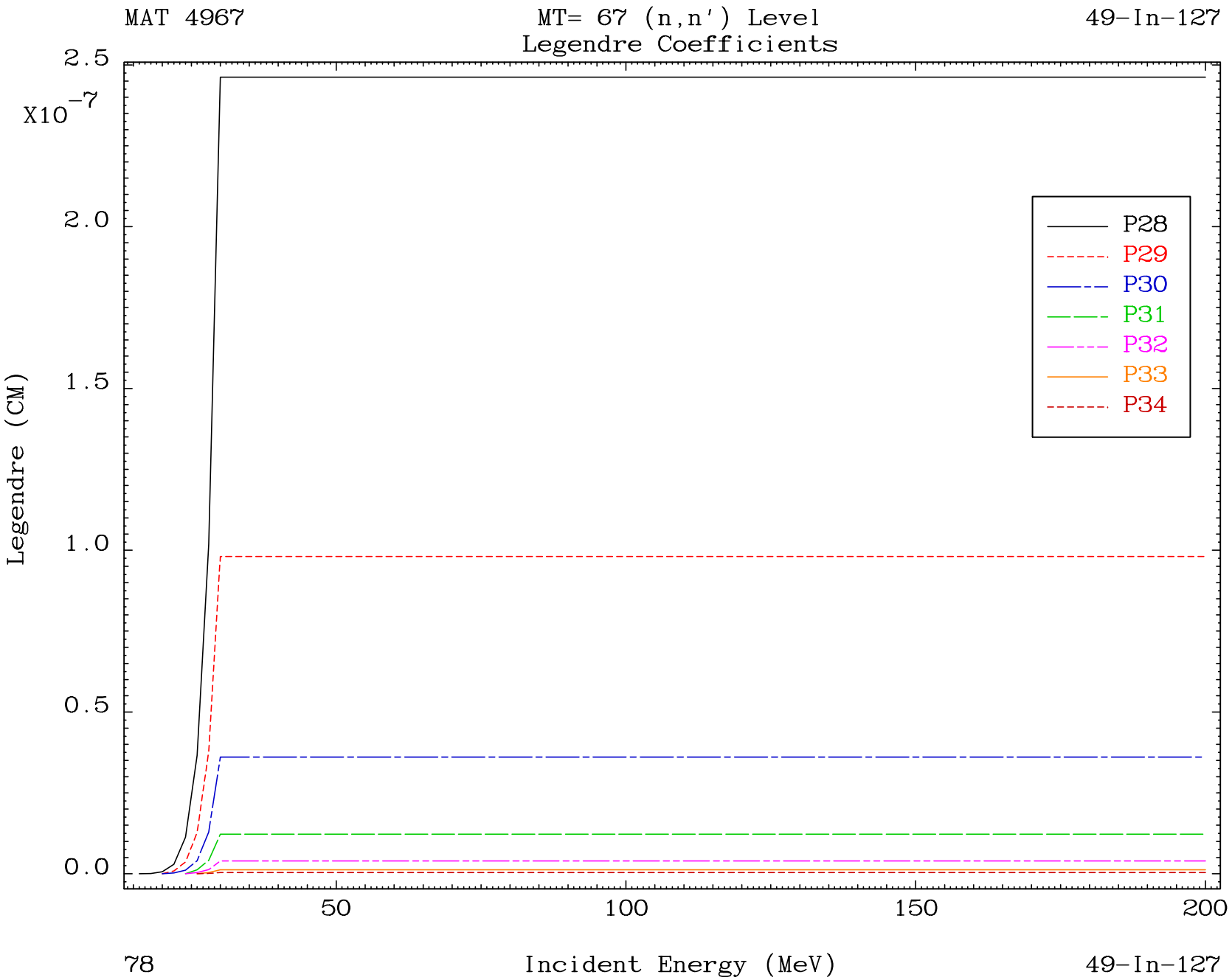

MAT 4967
MT= 66 (n,n') Level
Legendre Coefficients
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
49-In-127

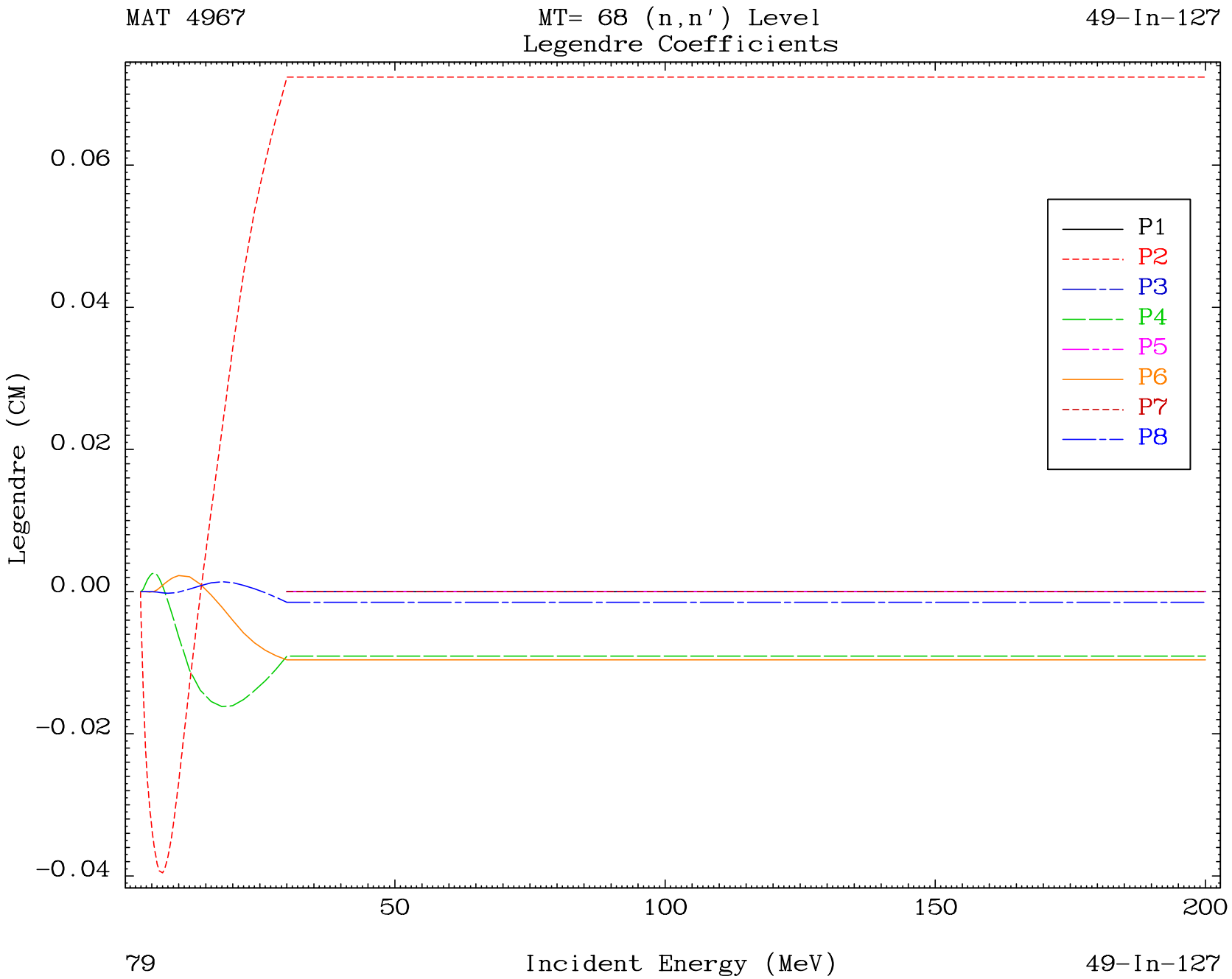

MAT 4967
MT= 66 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
74
Incident Energy (MeV)
49-In-127

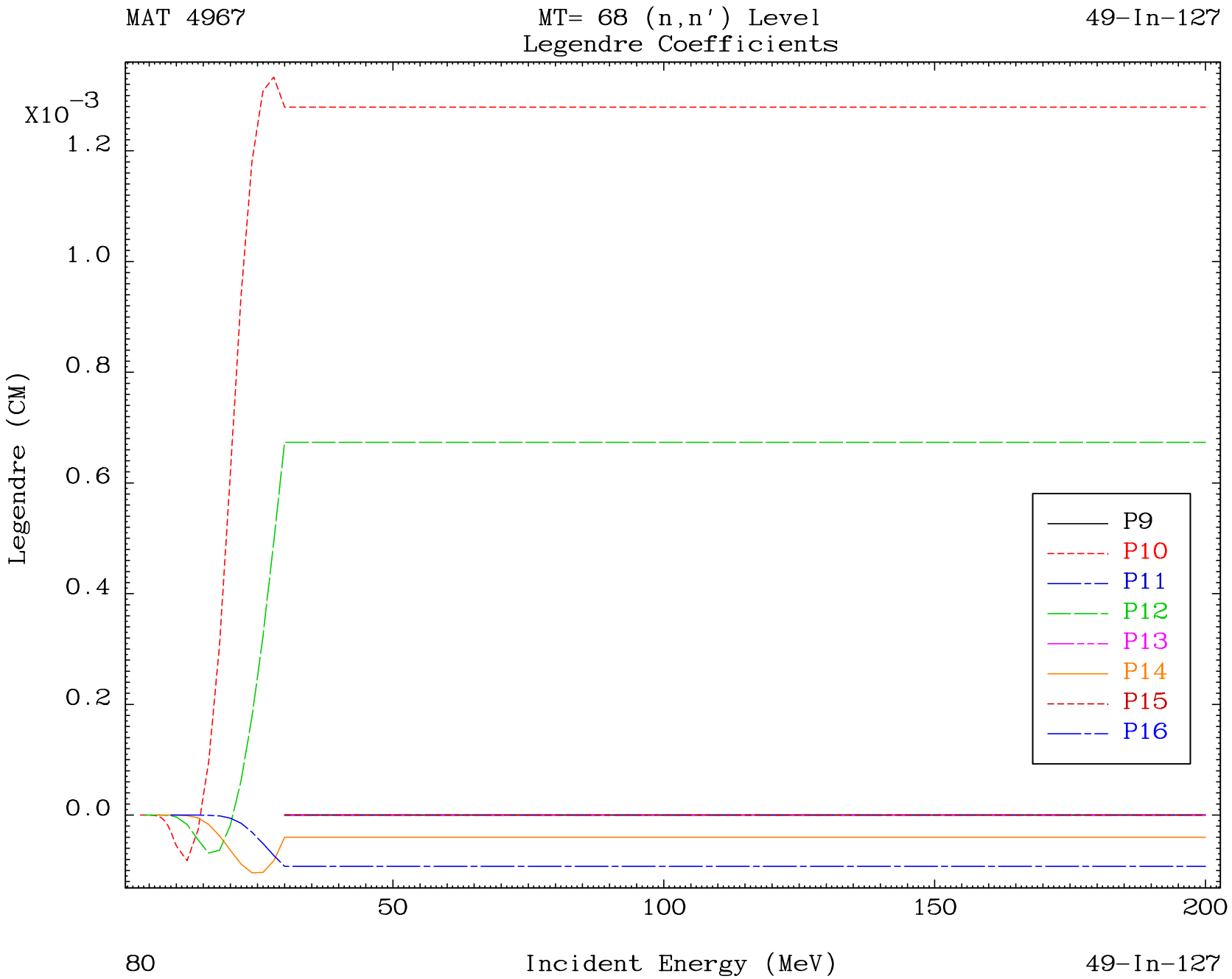

MAT 4967
MT= 67 (n,n') Level
Legendre Coefficients
49-In-127
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
75
Incident Energy (MeV)
49-In-127

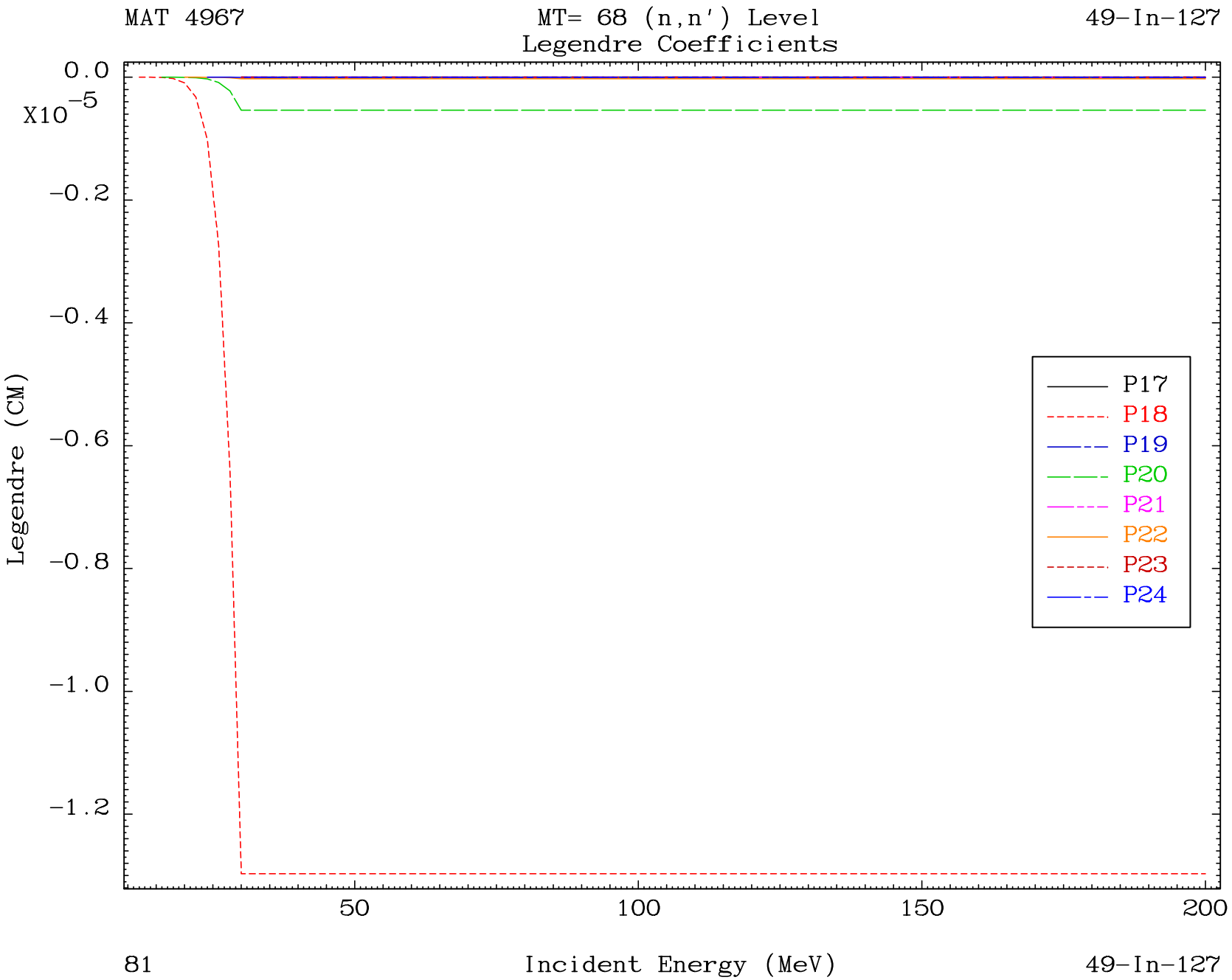

MAT 4967
MT= 67 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
49-In-127

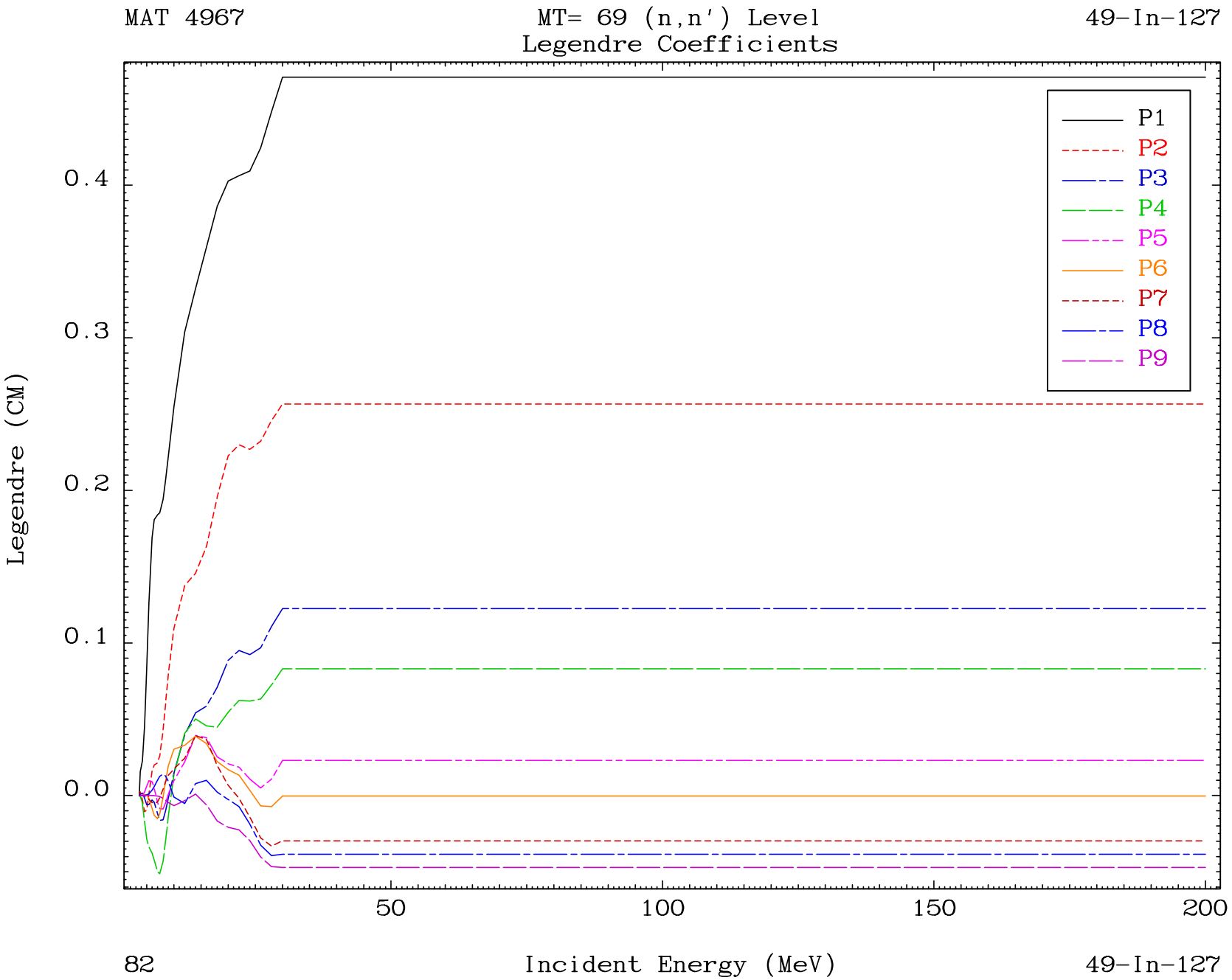

MAT 4967
MT= 67 (n,n') Level
Legendre Coefficients
49-In-127
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
49-In-127
P19
P20
P21
P22
P23
P24
P25
P26
P27

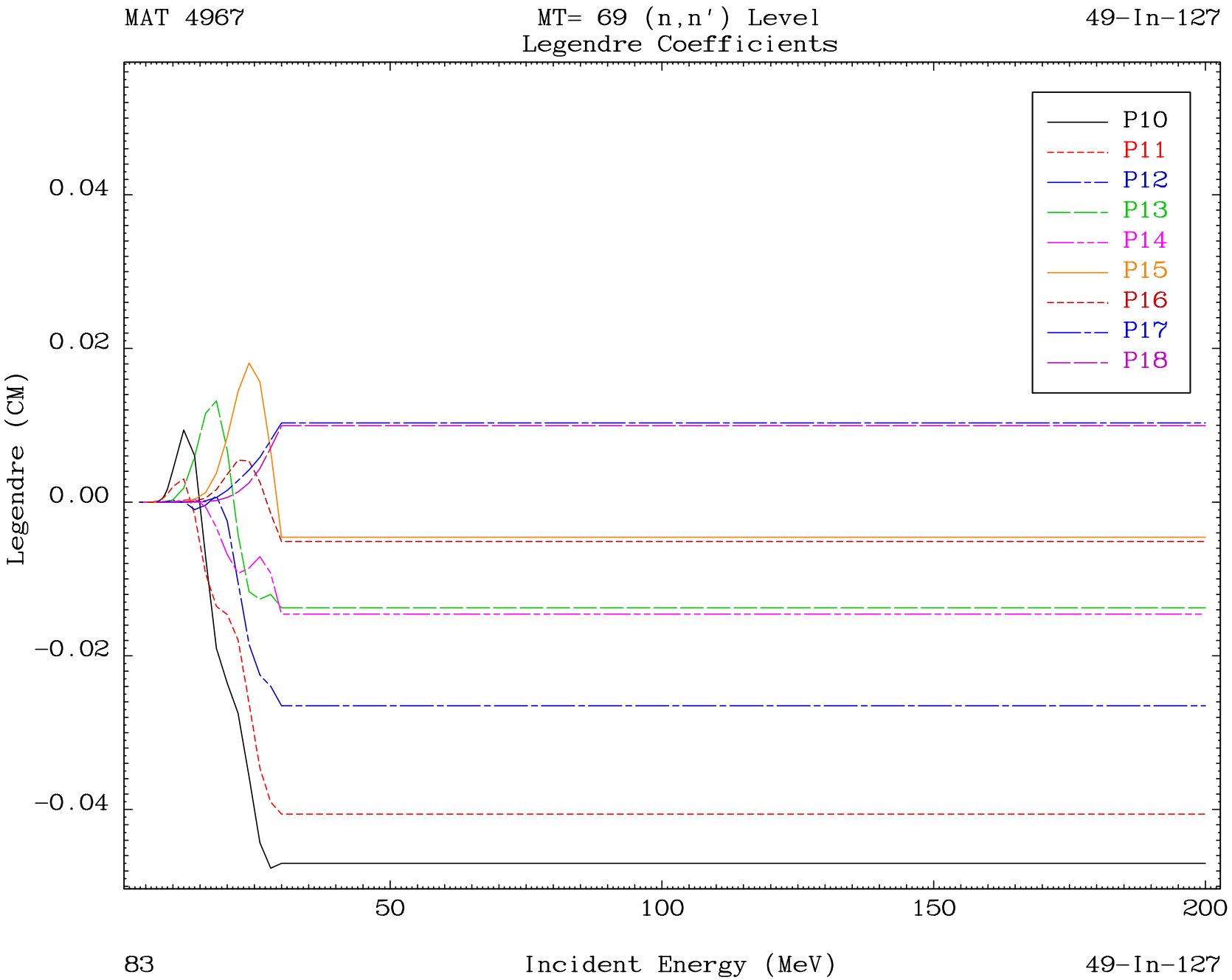

MAT 4967
MT= 67 (n,n') Level
Legendre Coefficients
49-In-127
X10^-7
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
78
Incident Energy (MeV)
49-In-127

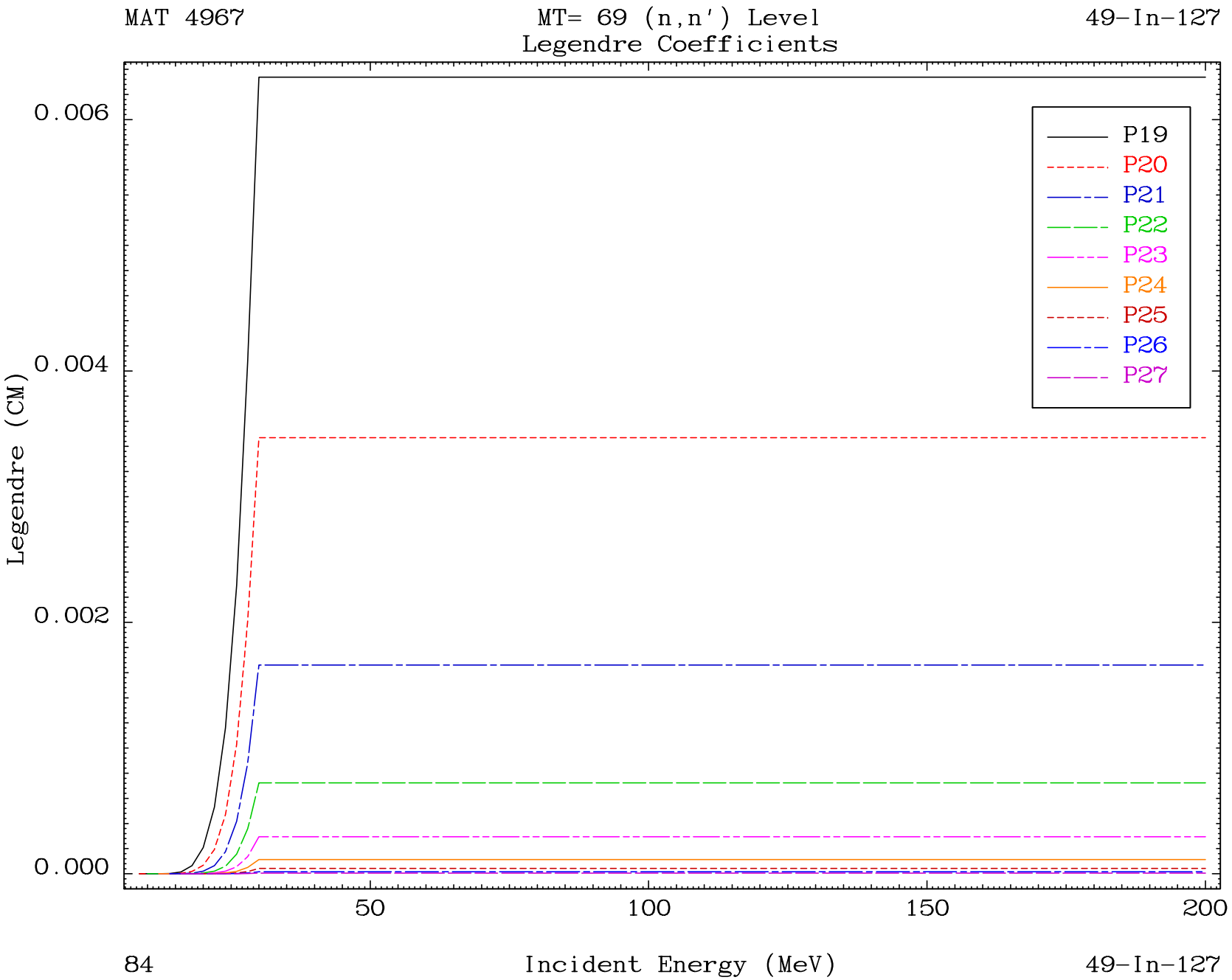

MAT 4967
MT= 68 (n,n') Level
Legendre Coefficients
49-In-127
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
79
Incident Energy (MeV)
49-In-127

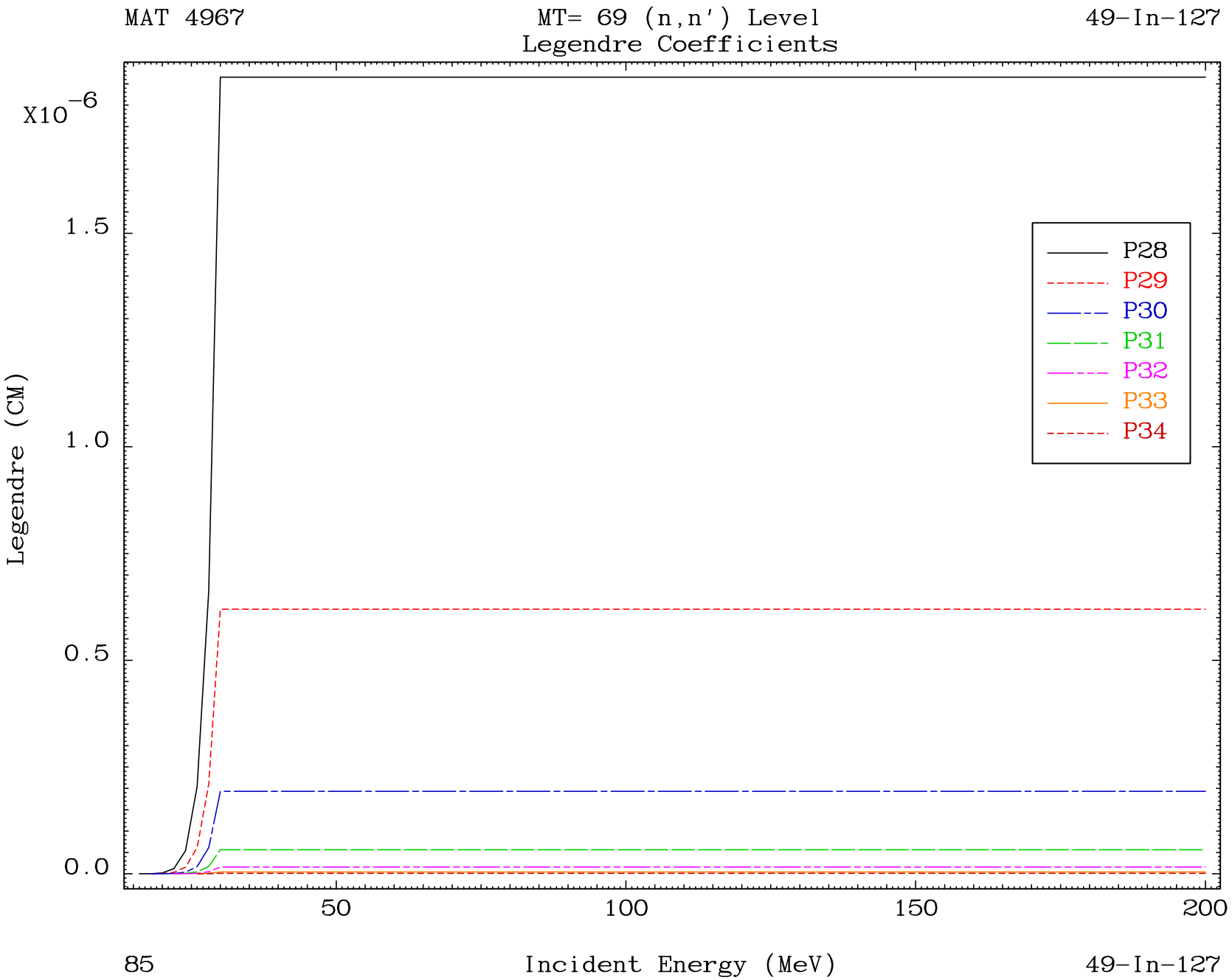

MAT 4967
MT= 68 (n,n') Level
Legendre Coefficients
49-In-127
X10^-3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
49-In-127
P9
P10
P11
P12
P13
P14
P15
P16

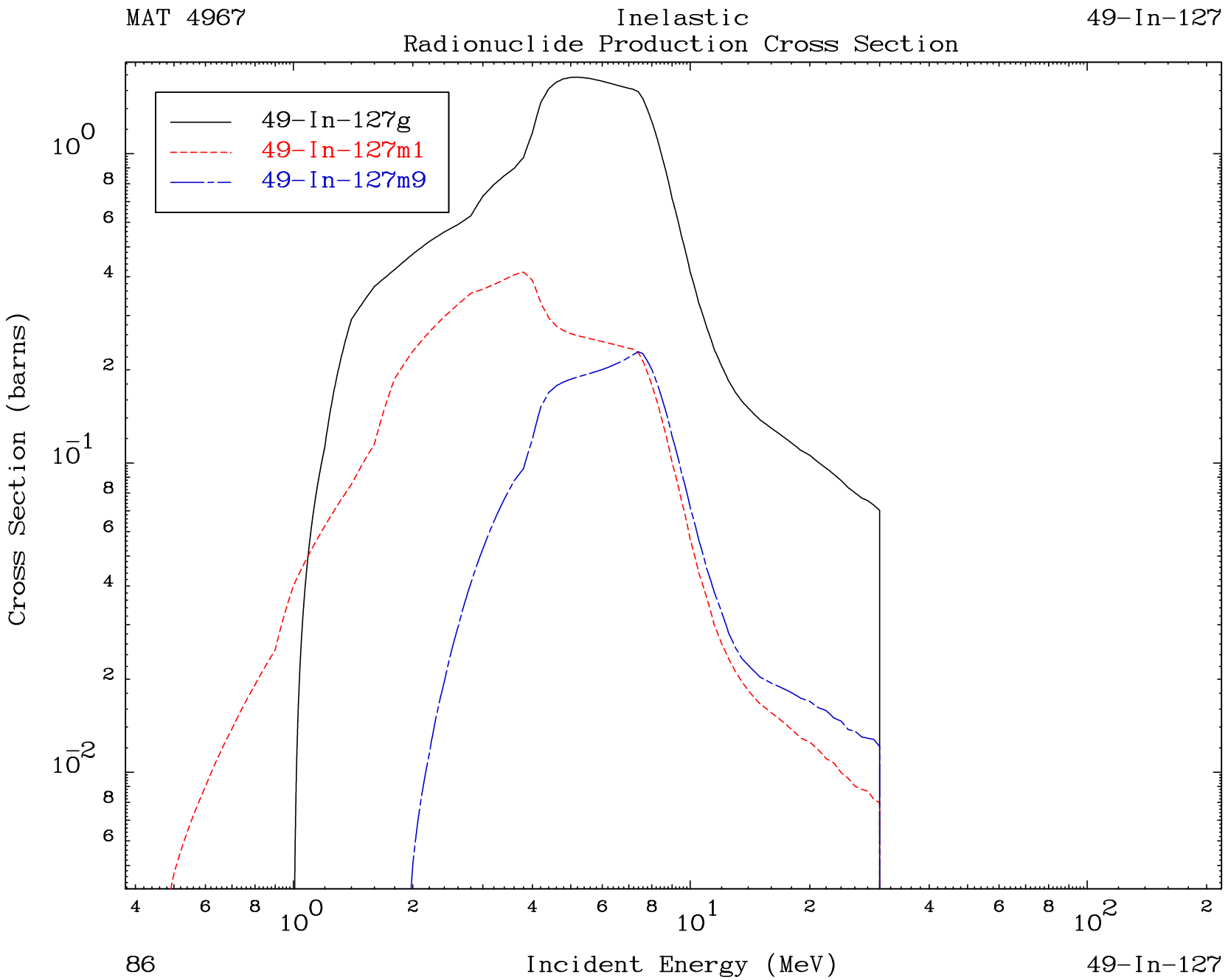

MAT 4967
MT= 68 (n,n') Level
Legendre Coefficients
49-In-127
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
49-In-127
P17
P18
P19
P20
P21
P22
P23
P24

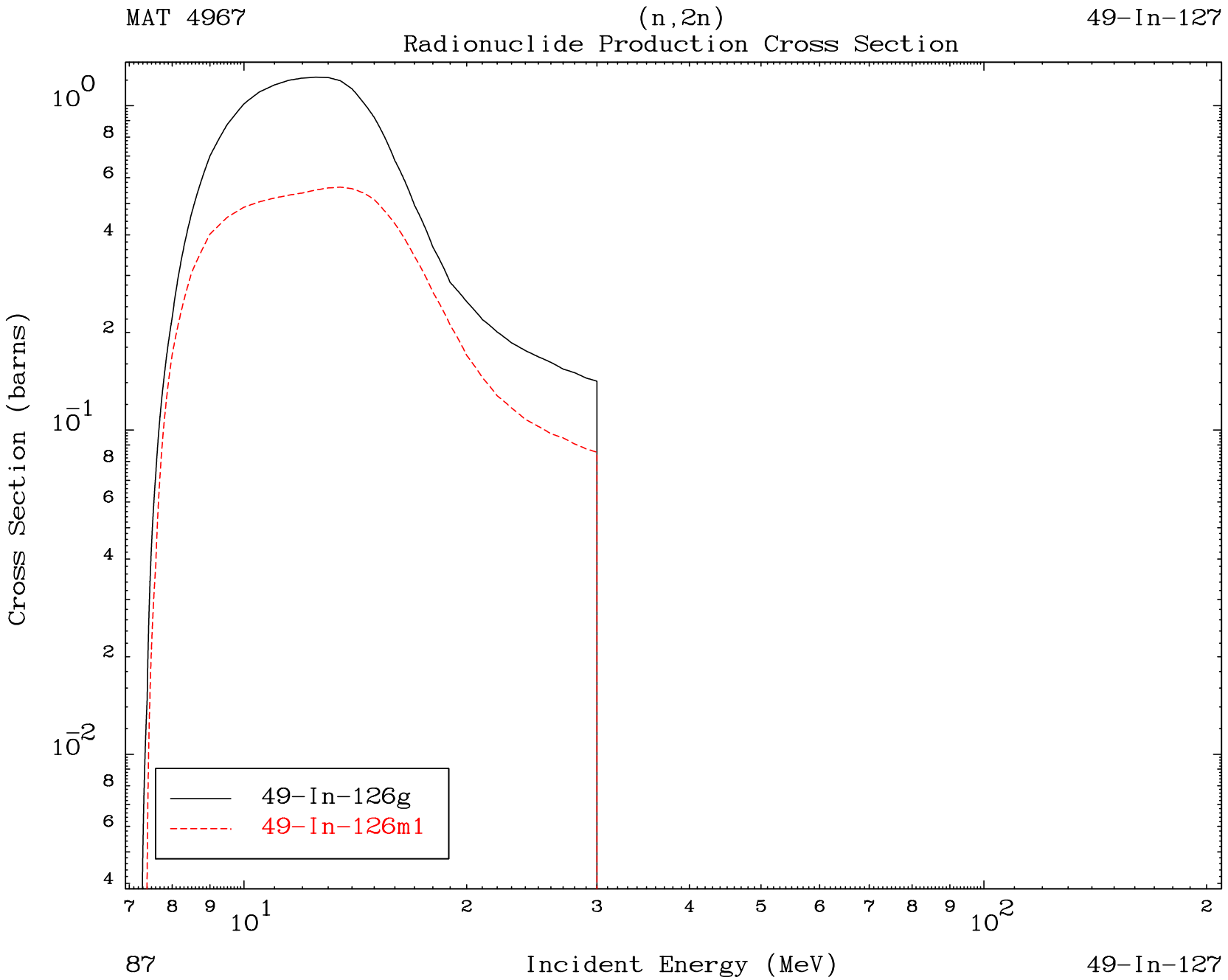

MAT 4967
MT= 69 (n,n') Level
Legendre Coefficients
49-In-127
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
82
Incident Energy (MeV)
49-In-127

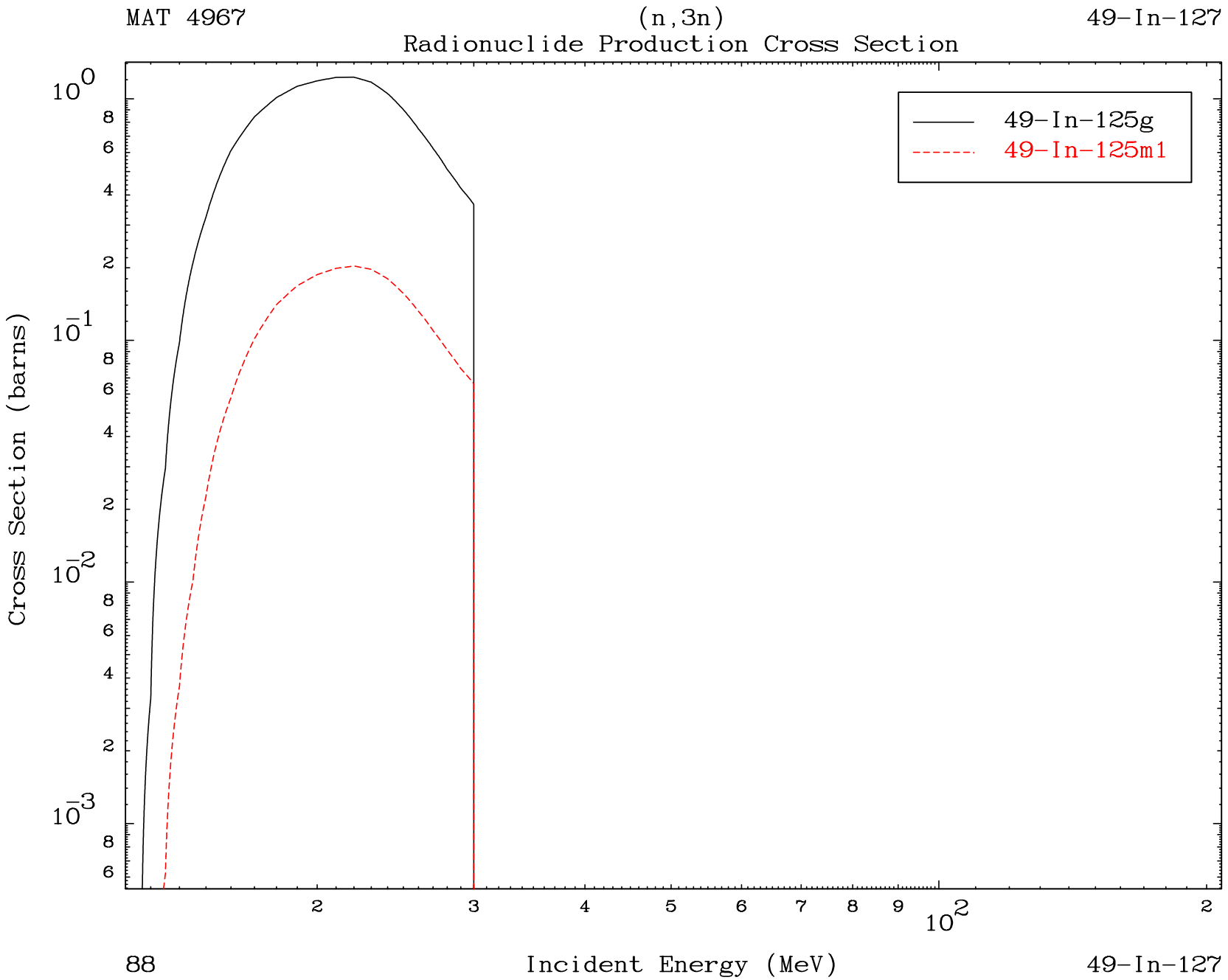

MAT 4967
MT= 69 (n,n') Level
Legendre Coefficients
49-In-127
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
83
Incident Energy (MeV)
49-In-127

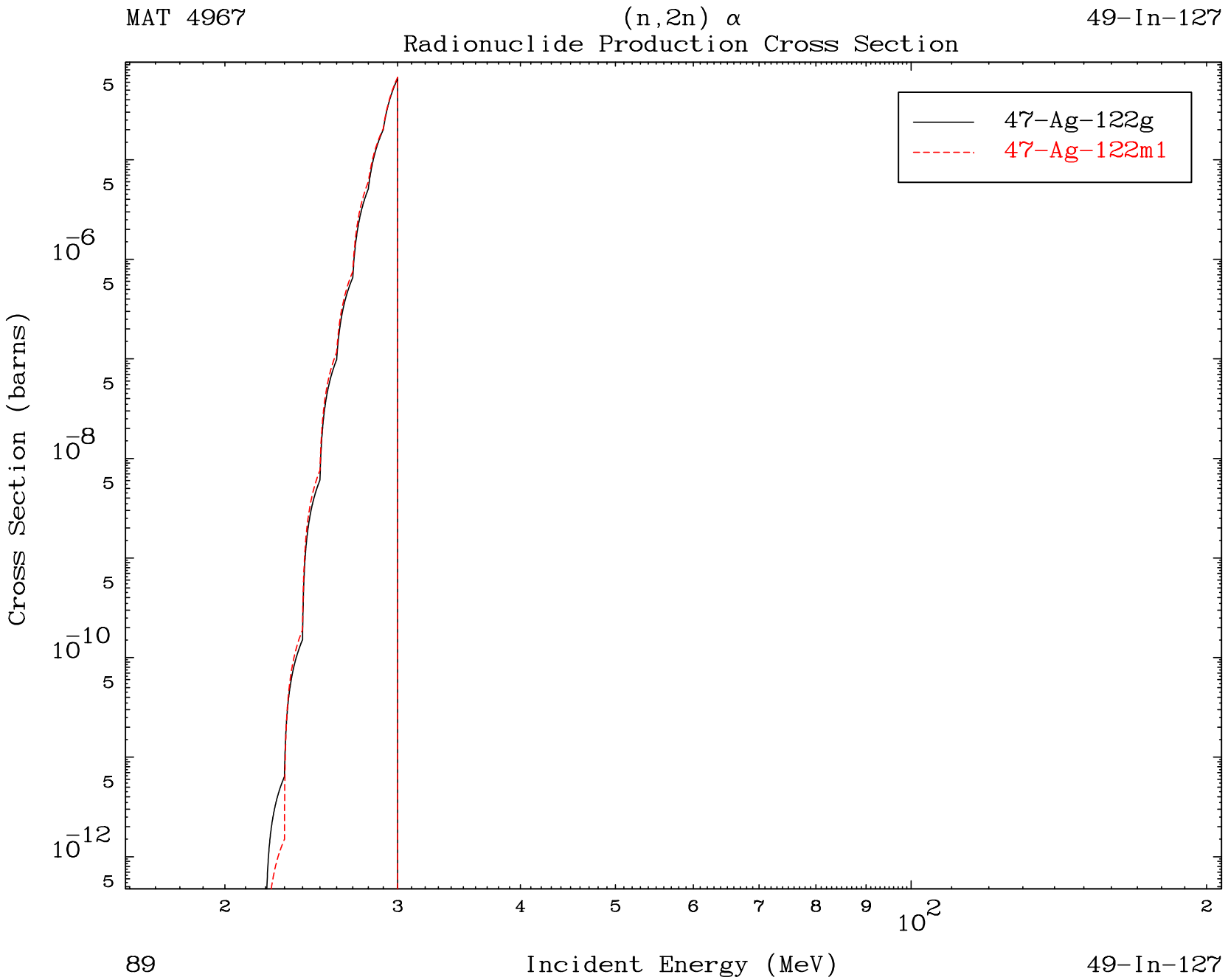

MAT 4967
MT= 69 (n,n') Level
Legendre Coefficients
49-In-127
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
84
Incident Energy (MeV)
49-In-127

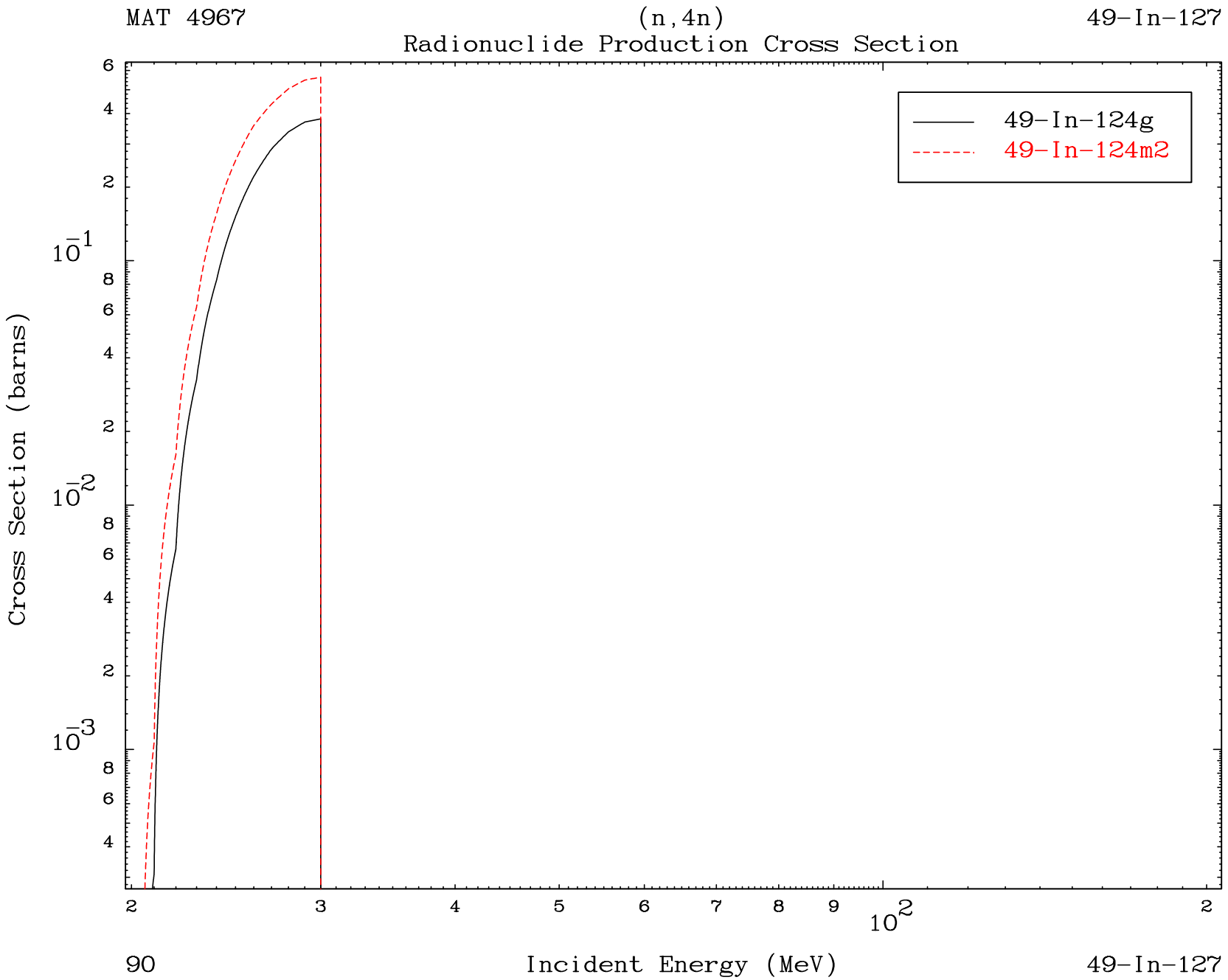

MAT 4967
MT= 69 (n,n') Level
Legendre Coefficients
49-In-127
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
85
Incident Energy (MeV)
49-In-127

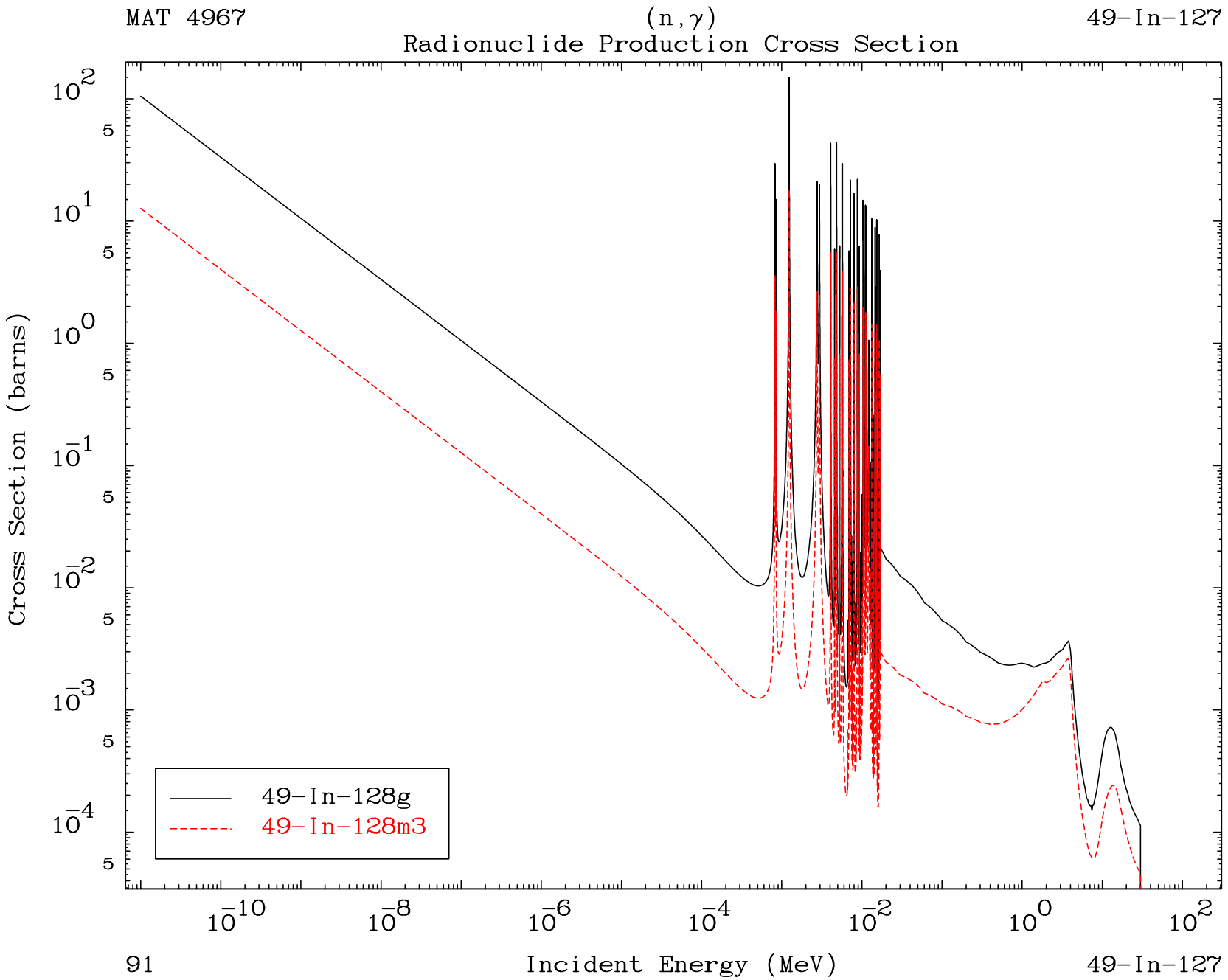

MAT 4967
Inelastic
49-In-127
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
Incident Energy (MeV)
86
49-In-127


MAT 4967
(n,2n)
49-In-127
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
49-In-126g
49-In-126m1
87
49-In-127


MAT 4967
(n,3n)
49-In-127
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
88
49-In-127


MAT 4967
(n,2n) α
49-In-127
Radionuclide Production Cross Section
47-Ag-122g
47-Ag-122m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
89
Incident Energy (MeV)
49-In-127


MAT 4967
(n,4n)
49-In-127
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
90
49-In-127


MAT 4967
(n,γ)
49-In-127
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
49-In-128g
49-In-128m3
91
49-In-127