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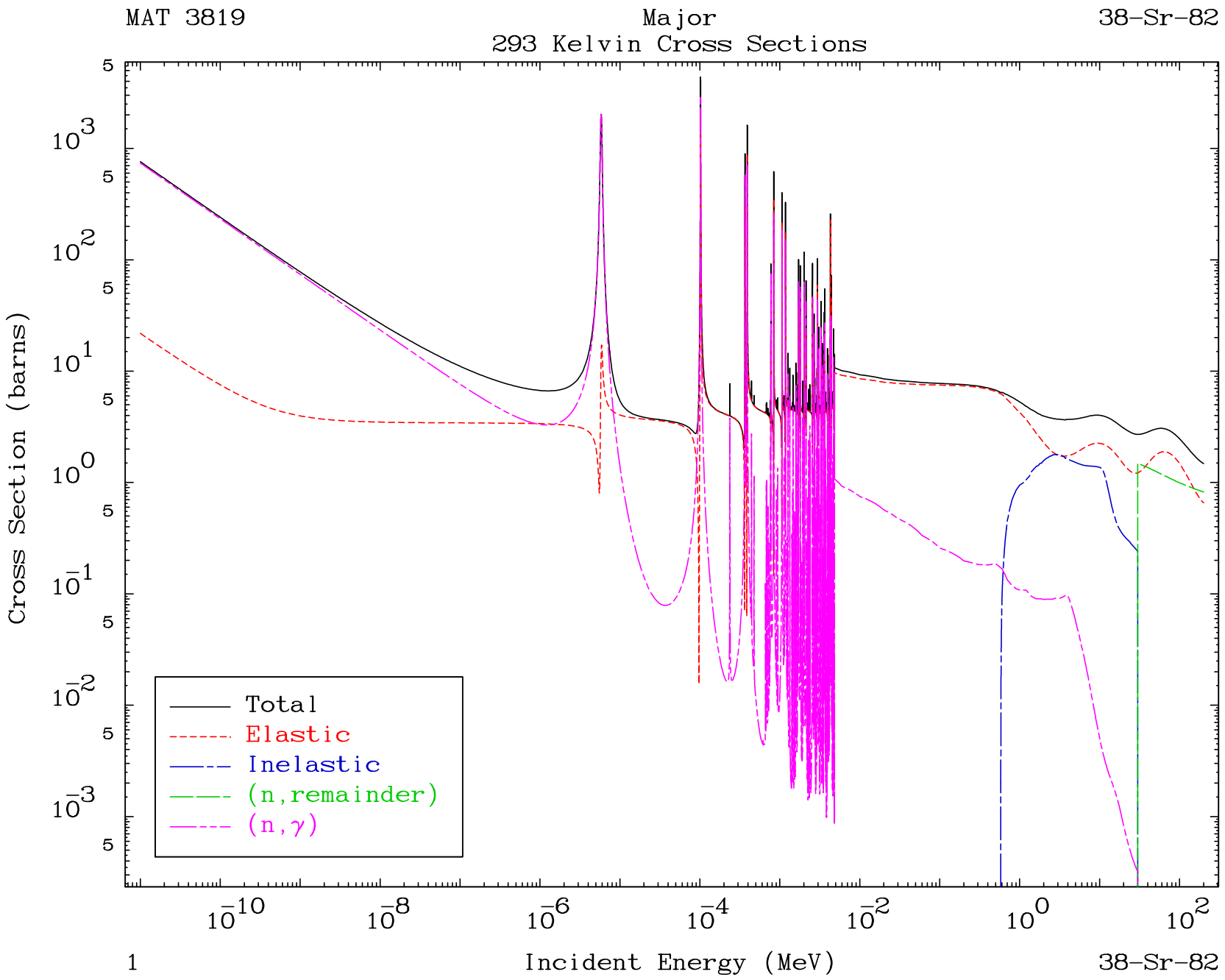
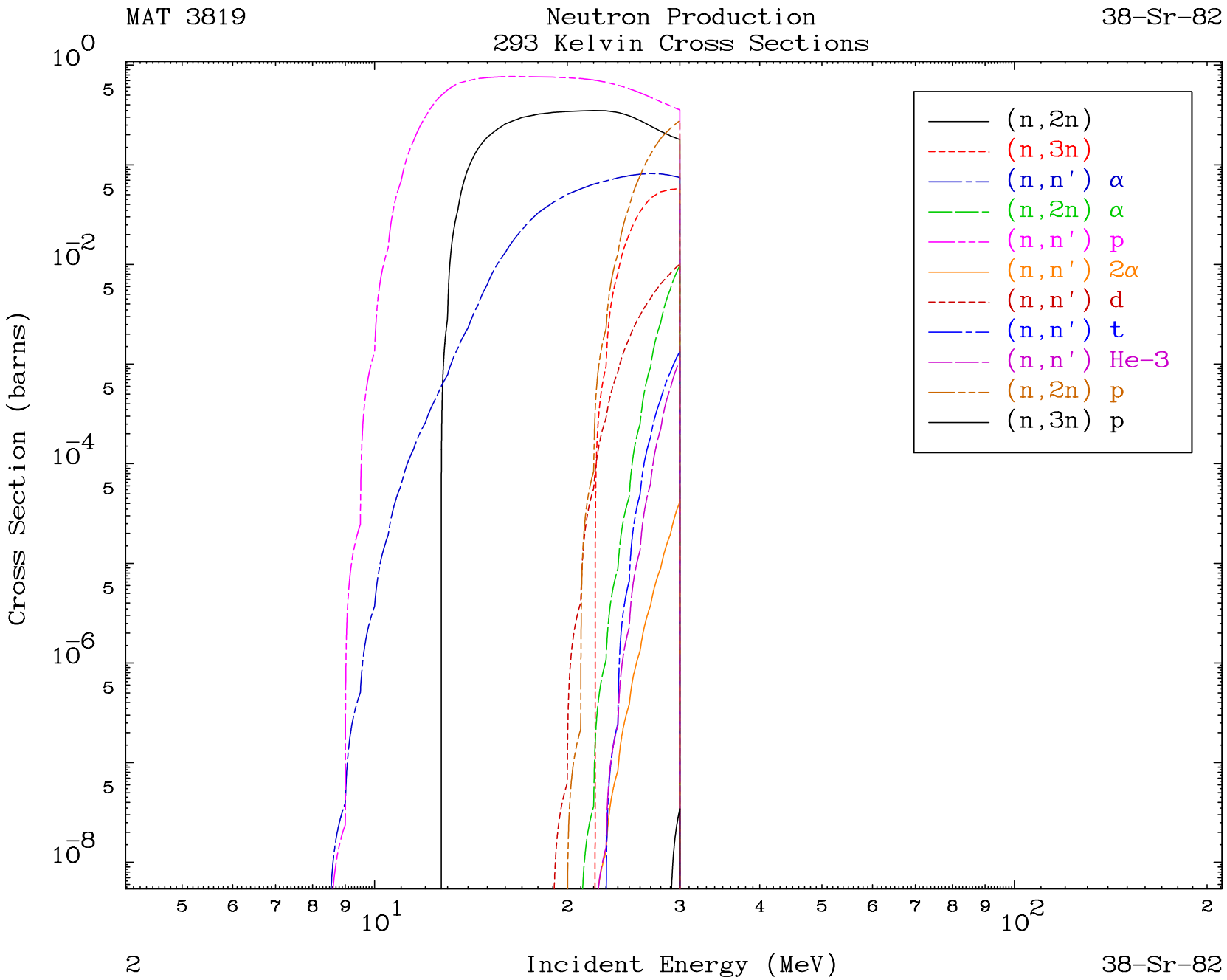
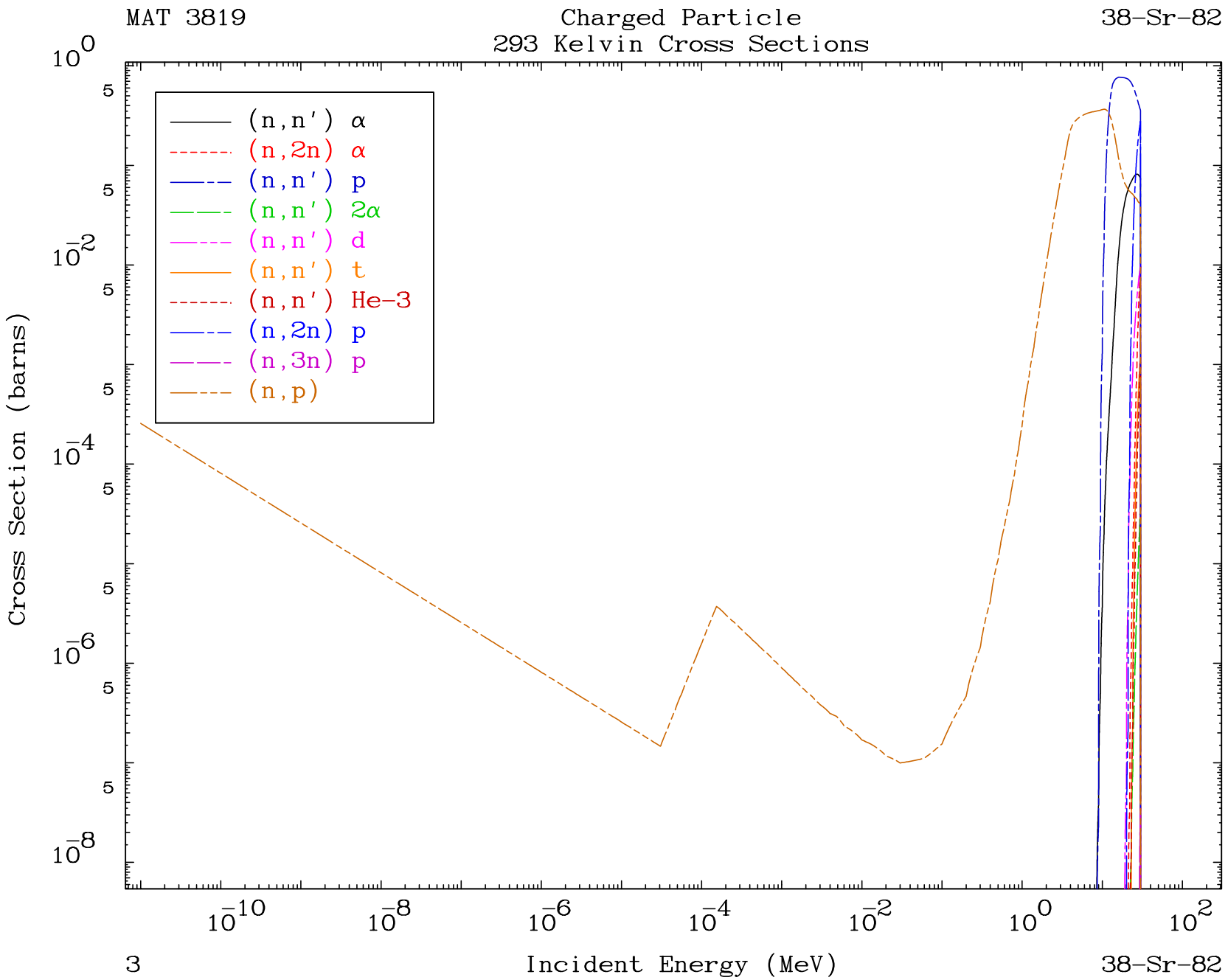
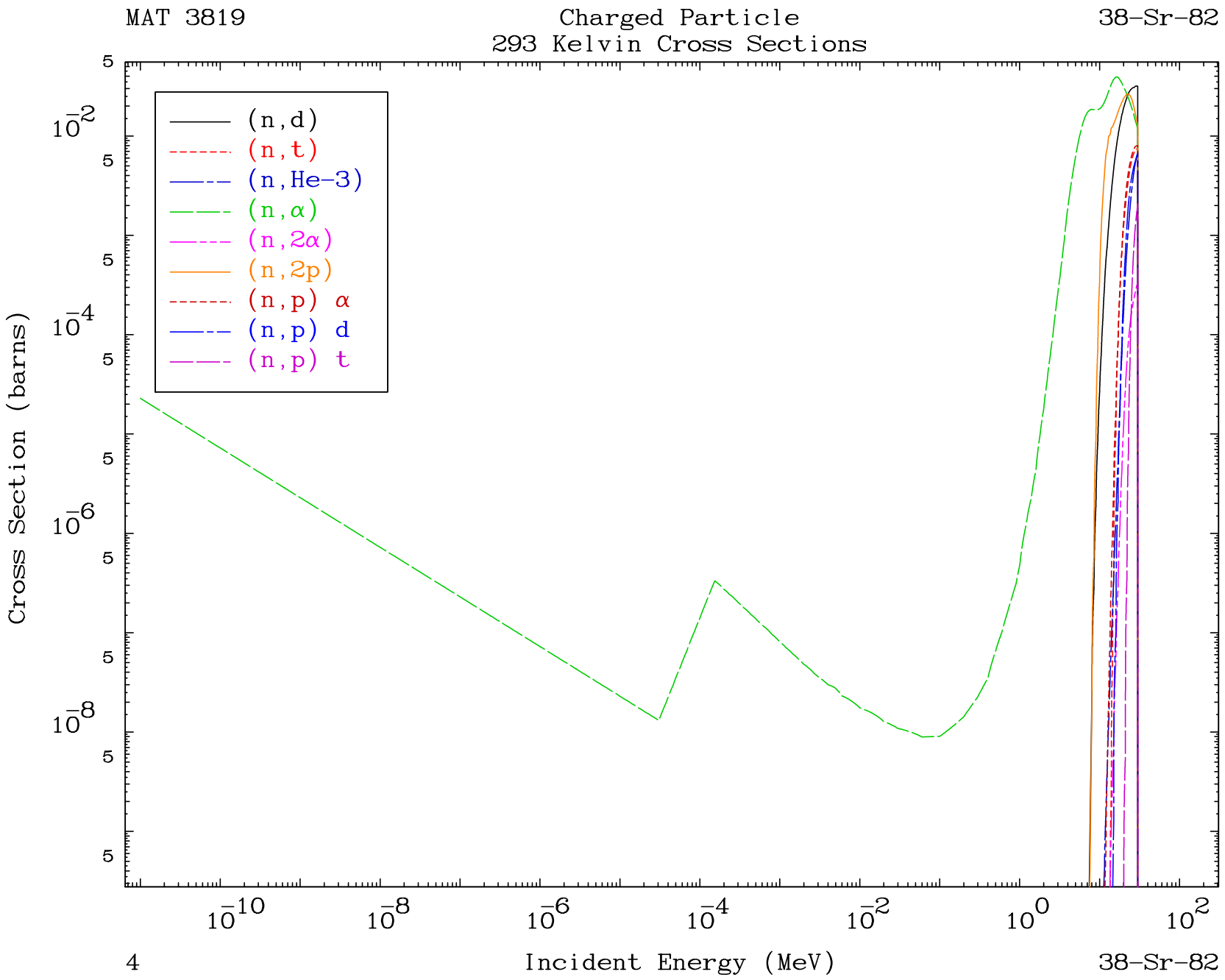
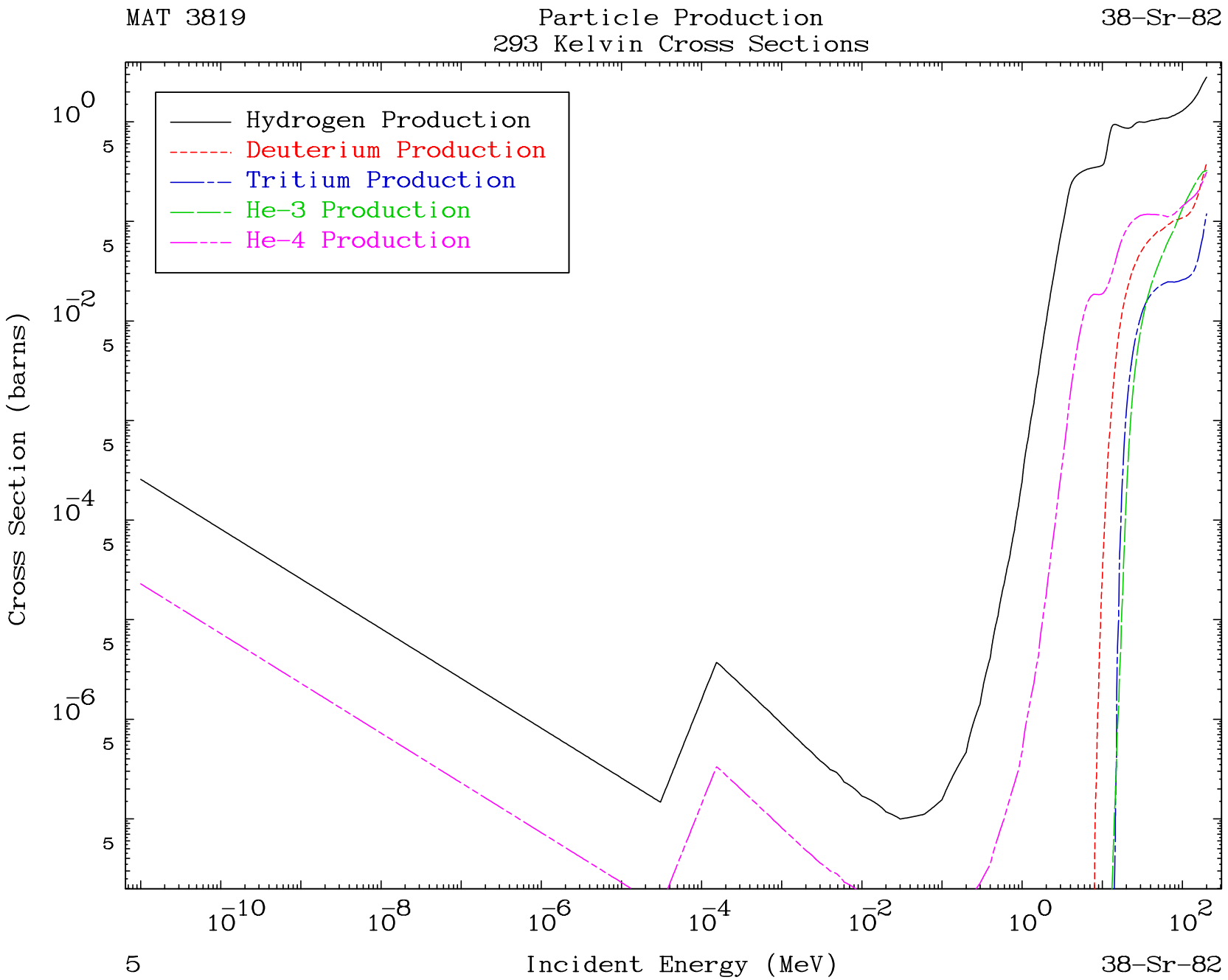
Press Mouse Button to Start

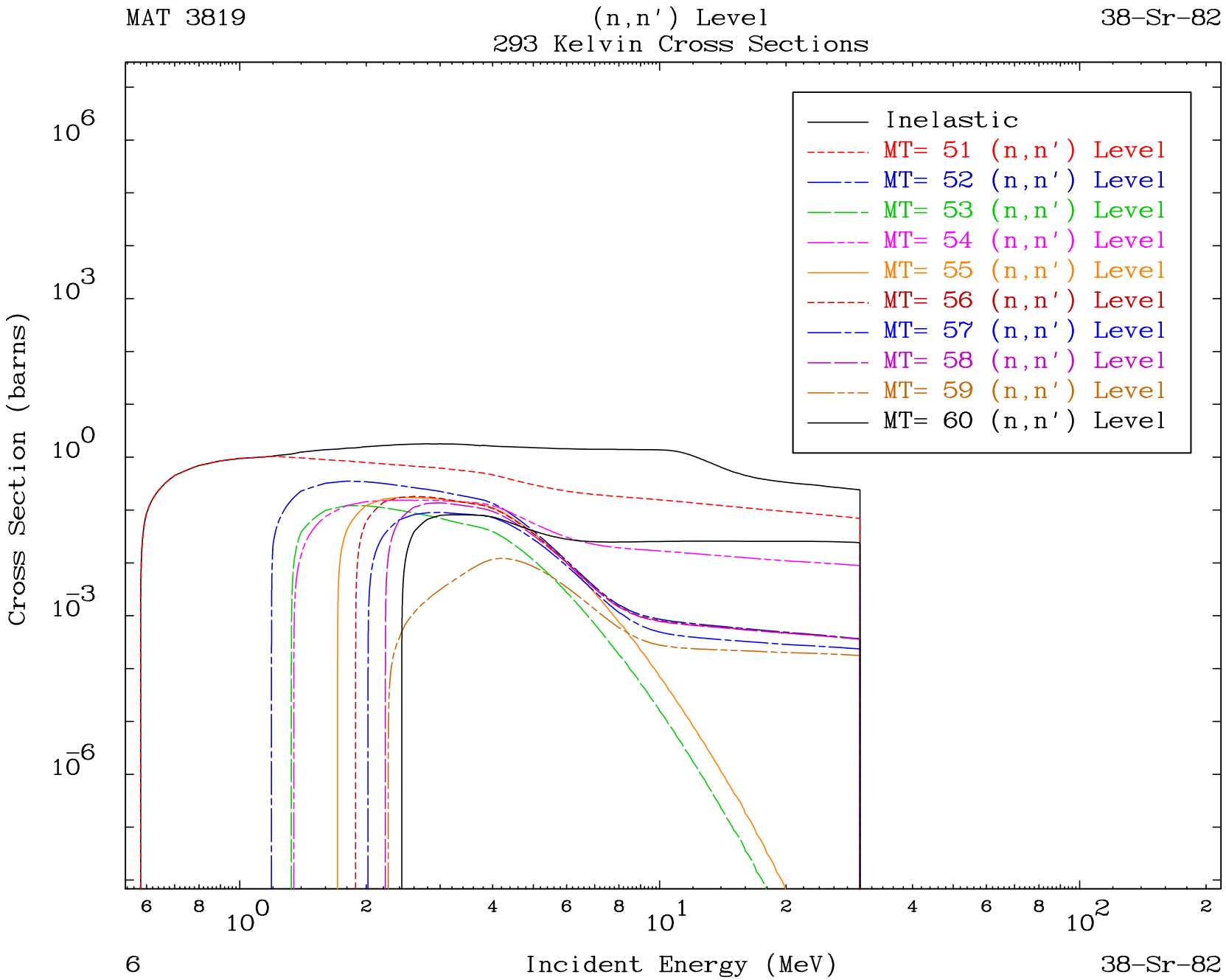

MAT 3819
Major
38-Sr-82
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
38-Sr-82

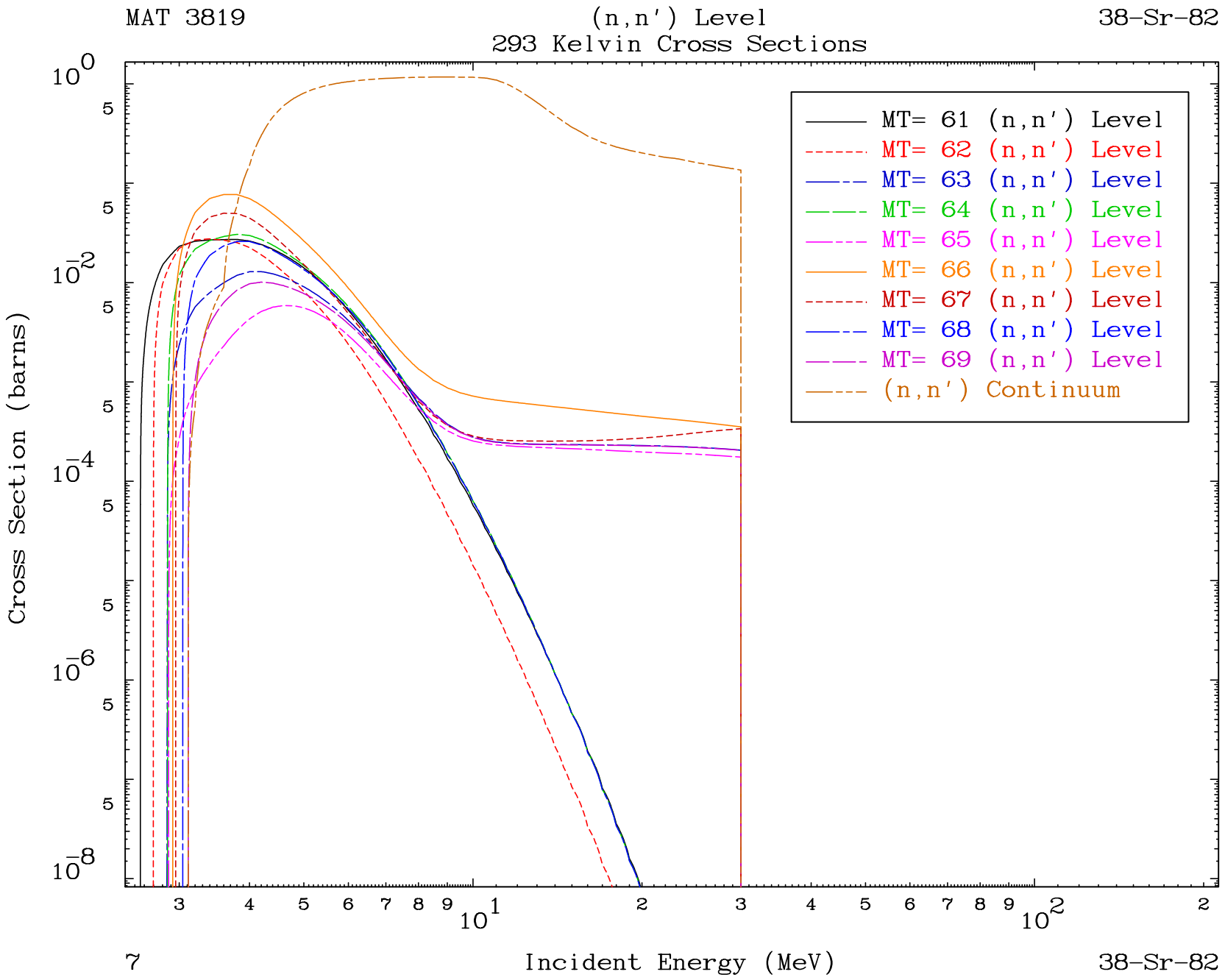

MAT 3819
Neutron Production
293 Kelvin Cross Sections
38-Sr-82
Cross Section (barns)
Incident Energy (MeV)
38-Sr-82
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p

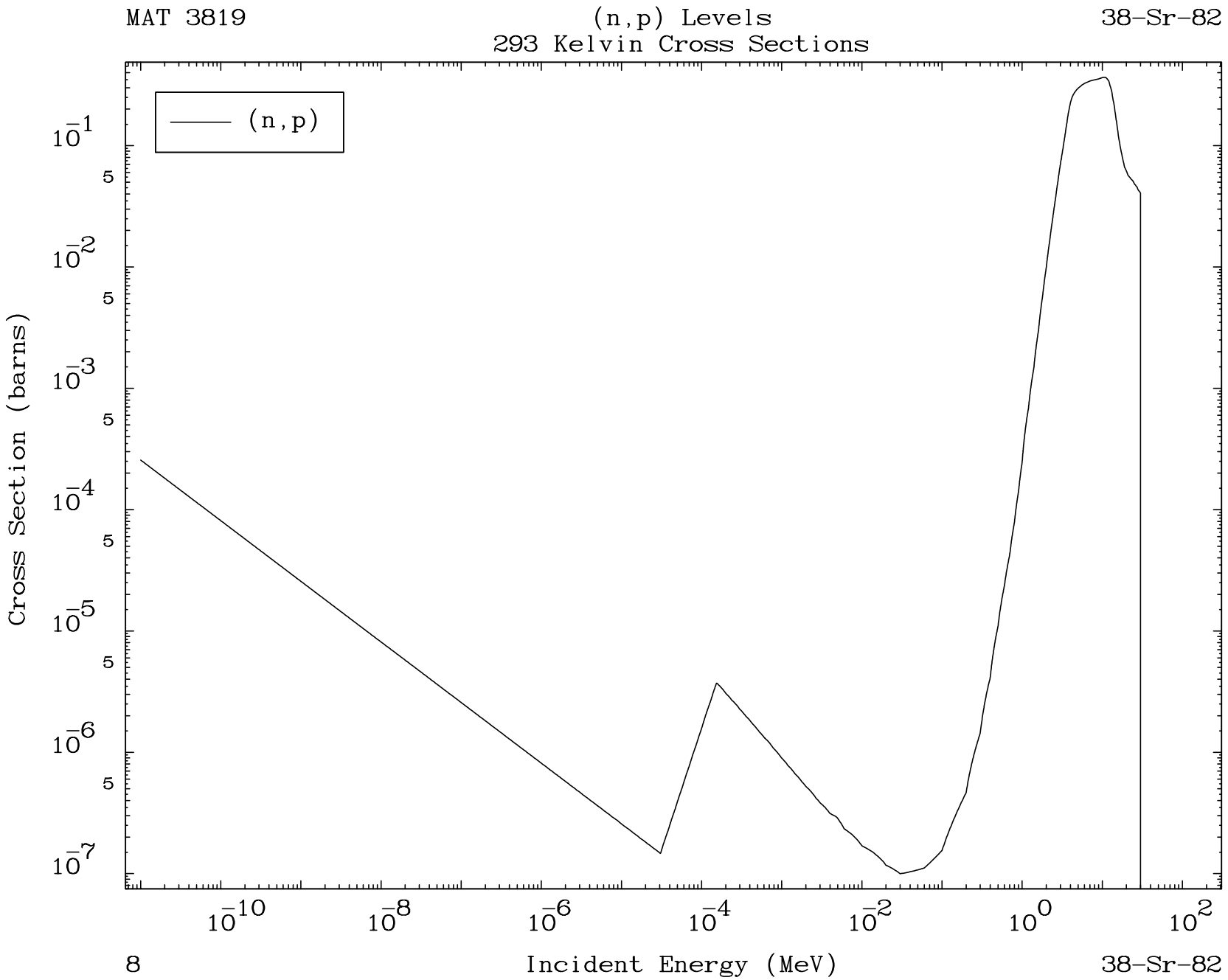

MAT 3819
Charged Particle
293 Kelvin Cross Sections
38-Sr-82
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-82

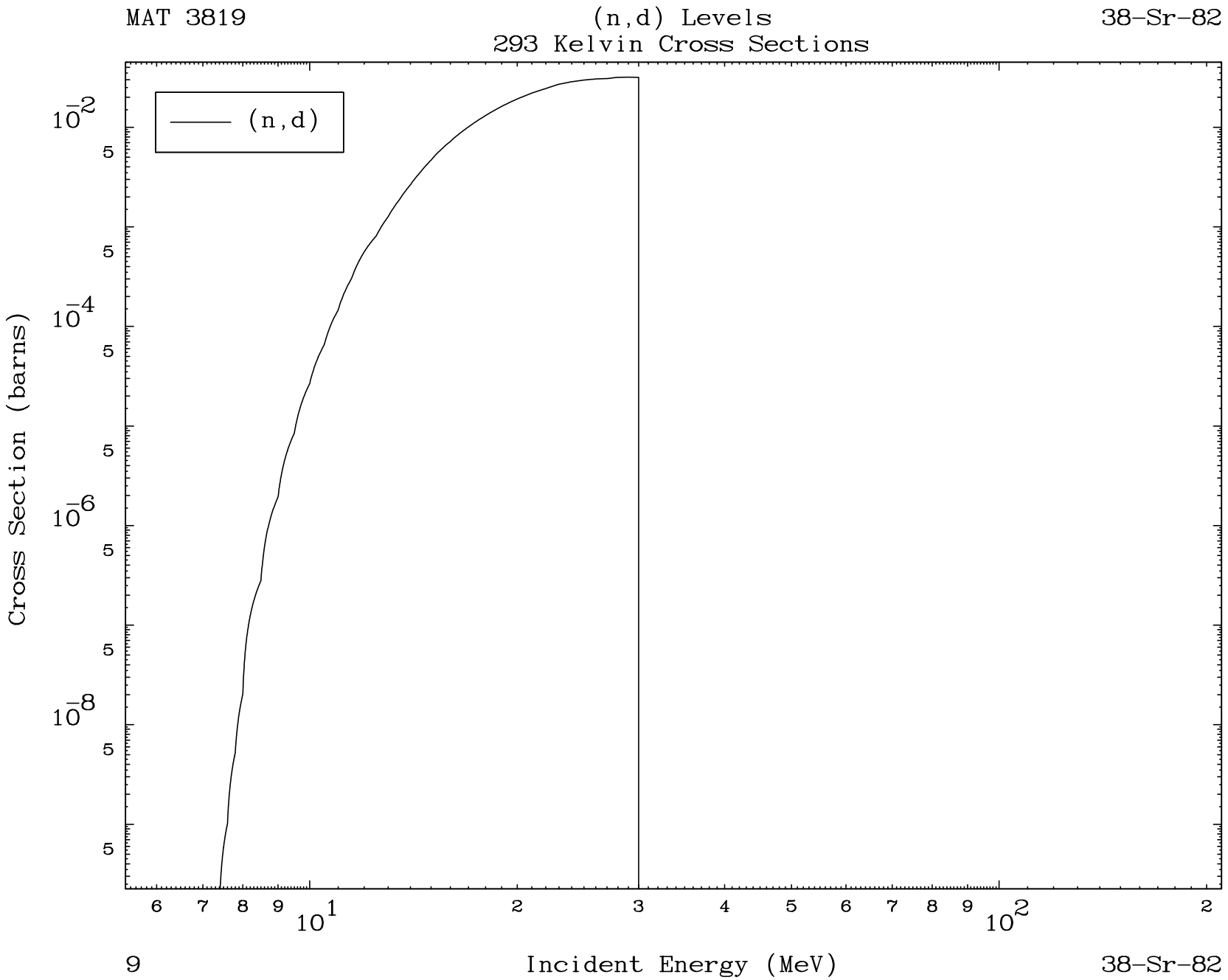

MAT 3819
Charged Particle
38-Sr-82
293 Kelvin Cross Sections
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-82

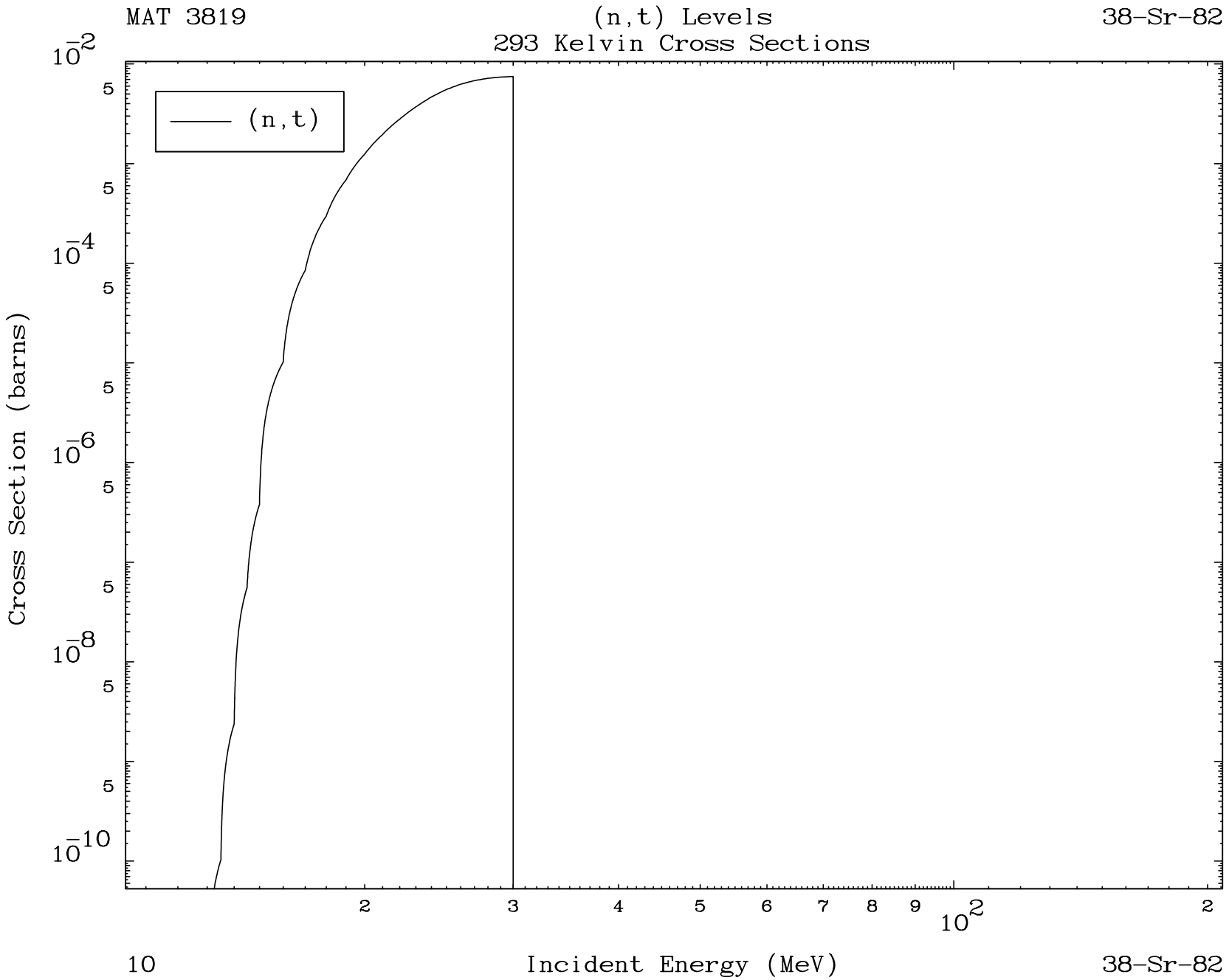

MAT 3819
Particle Production
293 Kelvin Cross Sections
38-Sr-82
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
38-Sr-82

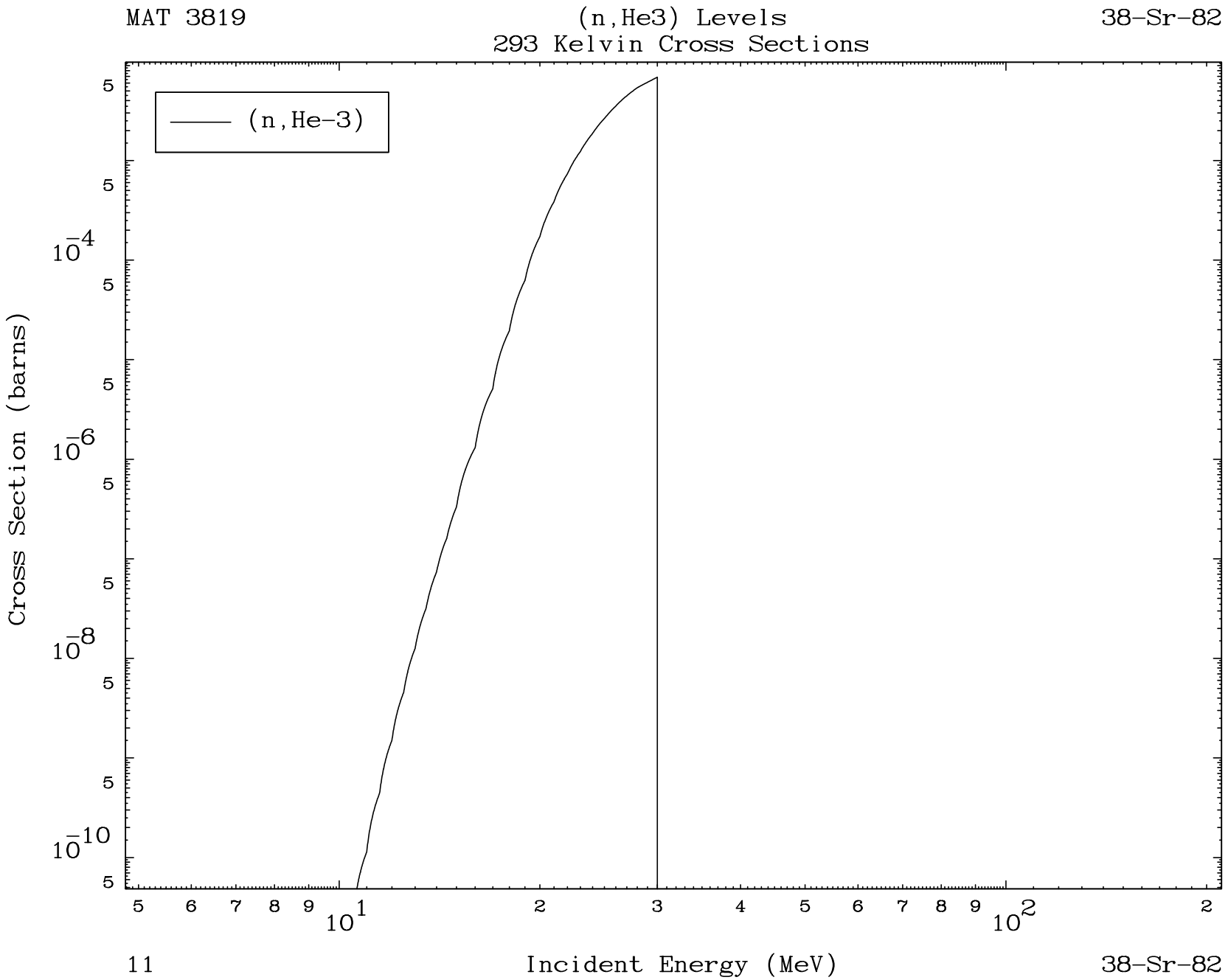

MAT 3819
(n,n') Level
38-Sr-82
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-82

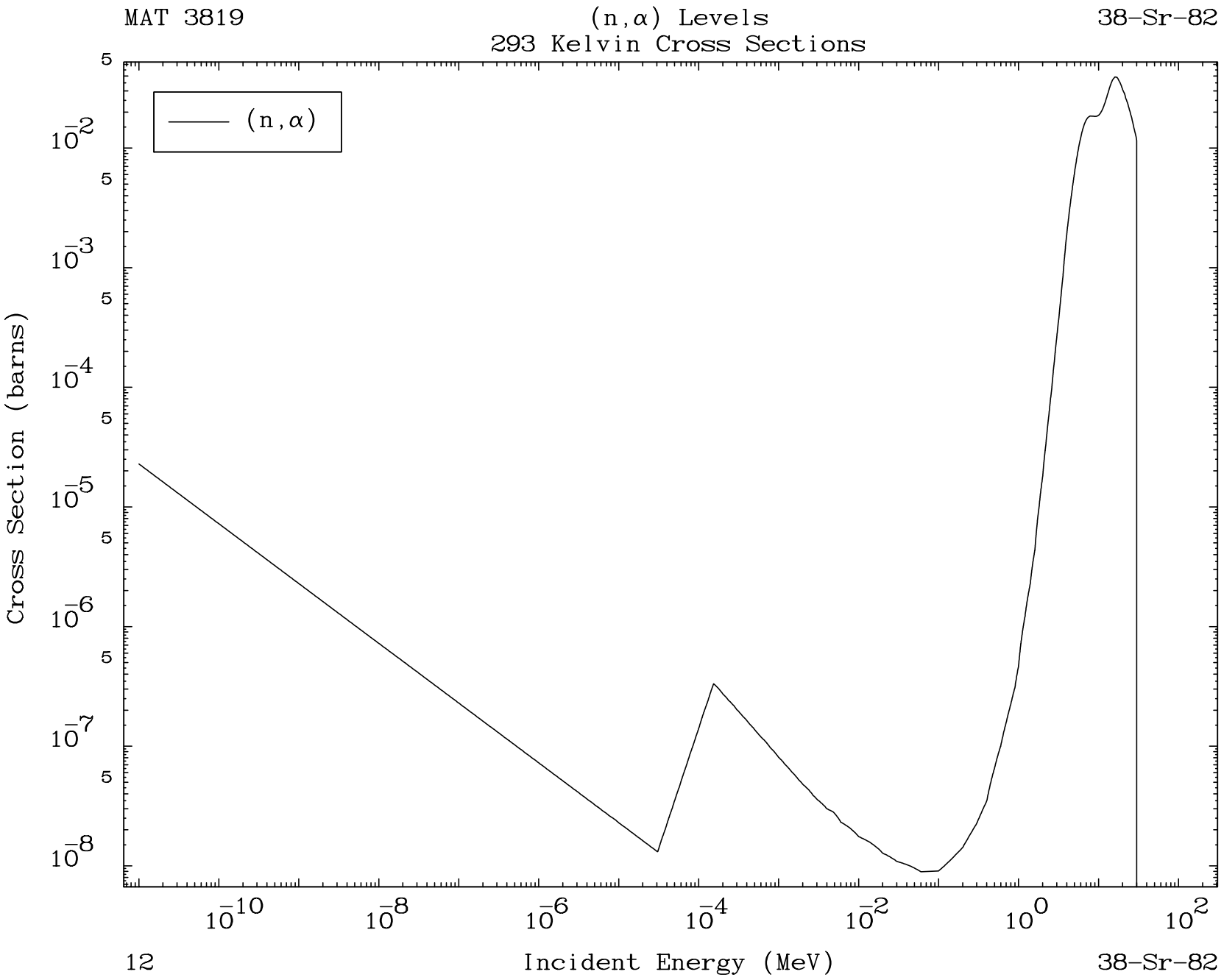

MAT 3819
(n,n') Level
293 Kelvin Cross Sections
38-Sr-82
Cross Section (barns)
Incident Energy (MeV)
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum
7
38-Sr-82

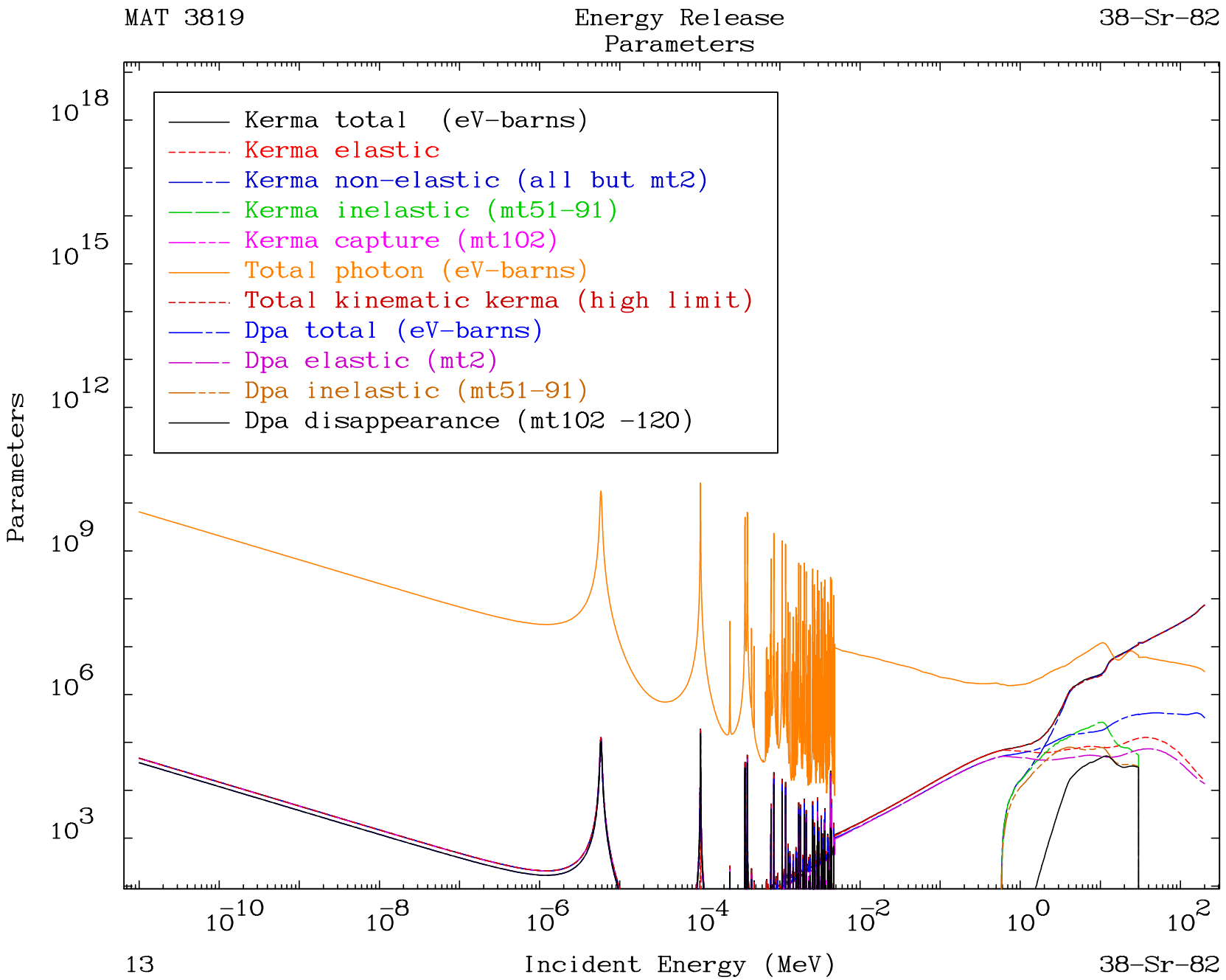

MAT 3819
(n,p) Levels
38-Sr-82
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
38-Sr-82

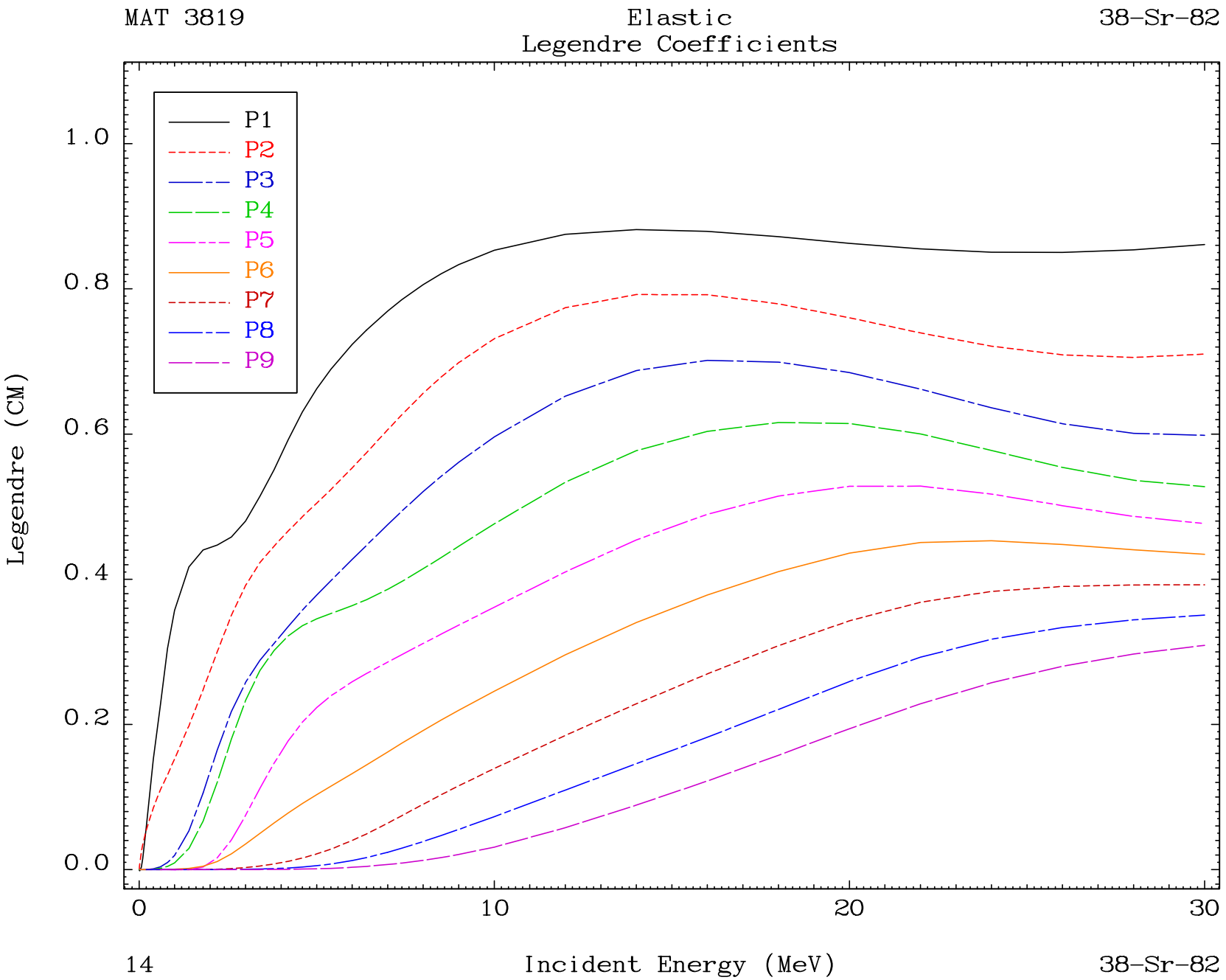

MAT 3819
(n,d) Levels
38-Sr-82
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
38-Sr-82

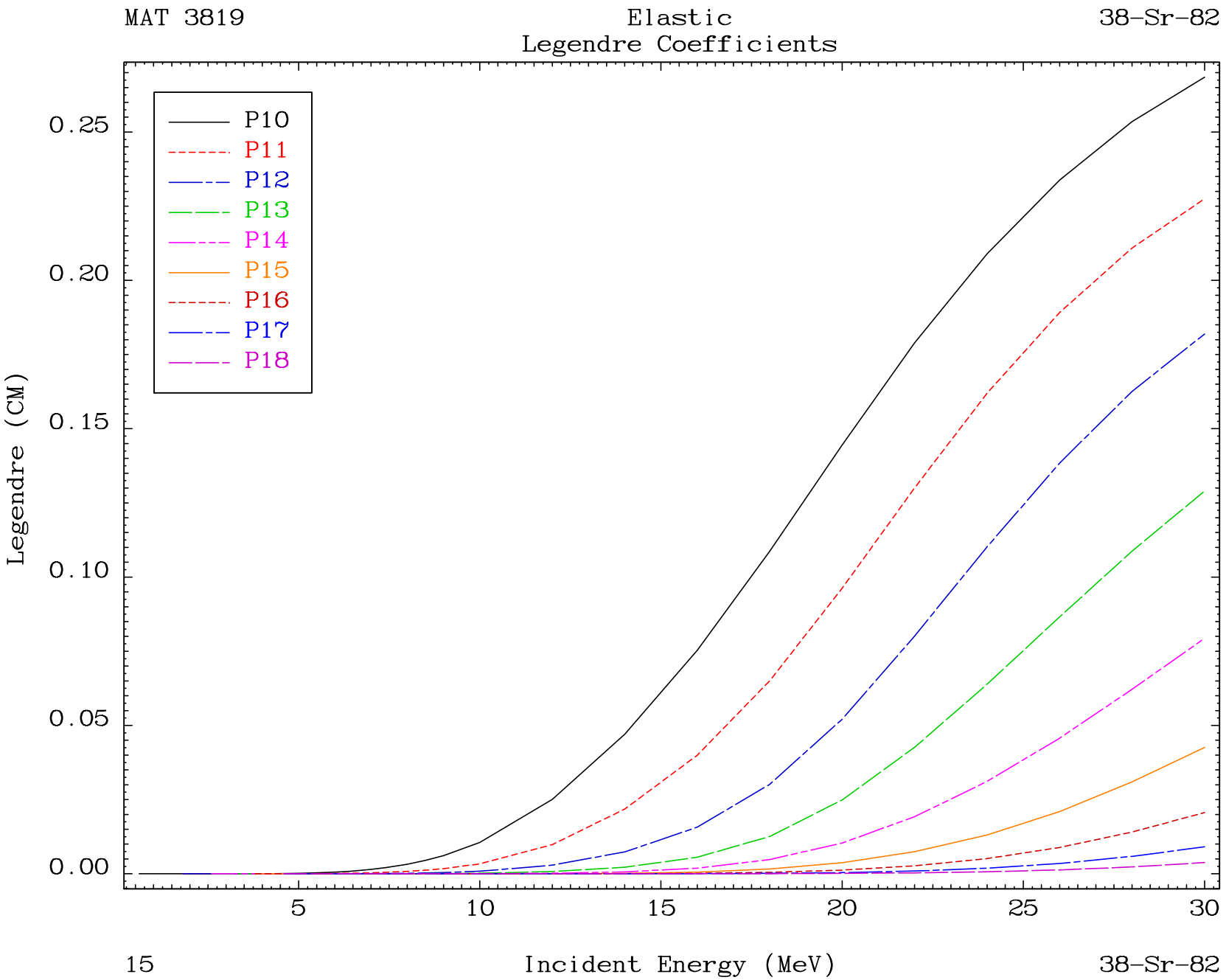

MAT 3819
(n,t) Levels
38-Sr-82
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
38-Sr-82

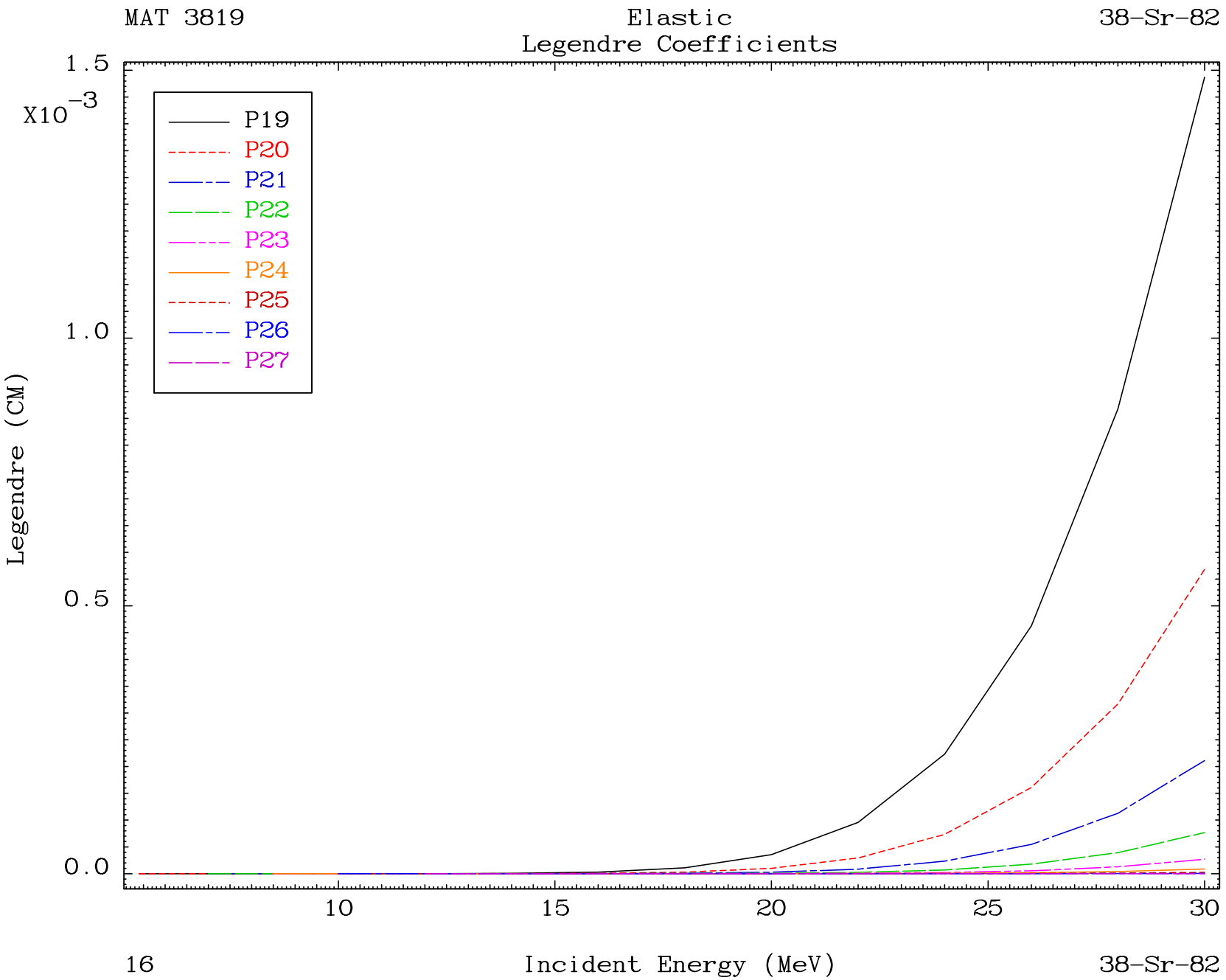

MAT 3819
(n,He3) Levels
38-Sr-82
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)
11
38-Sr-82

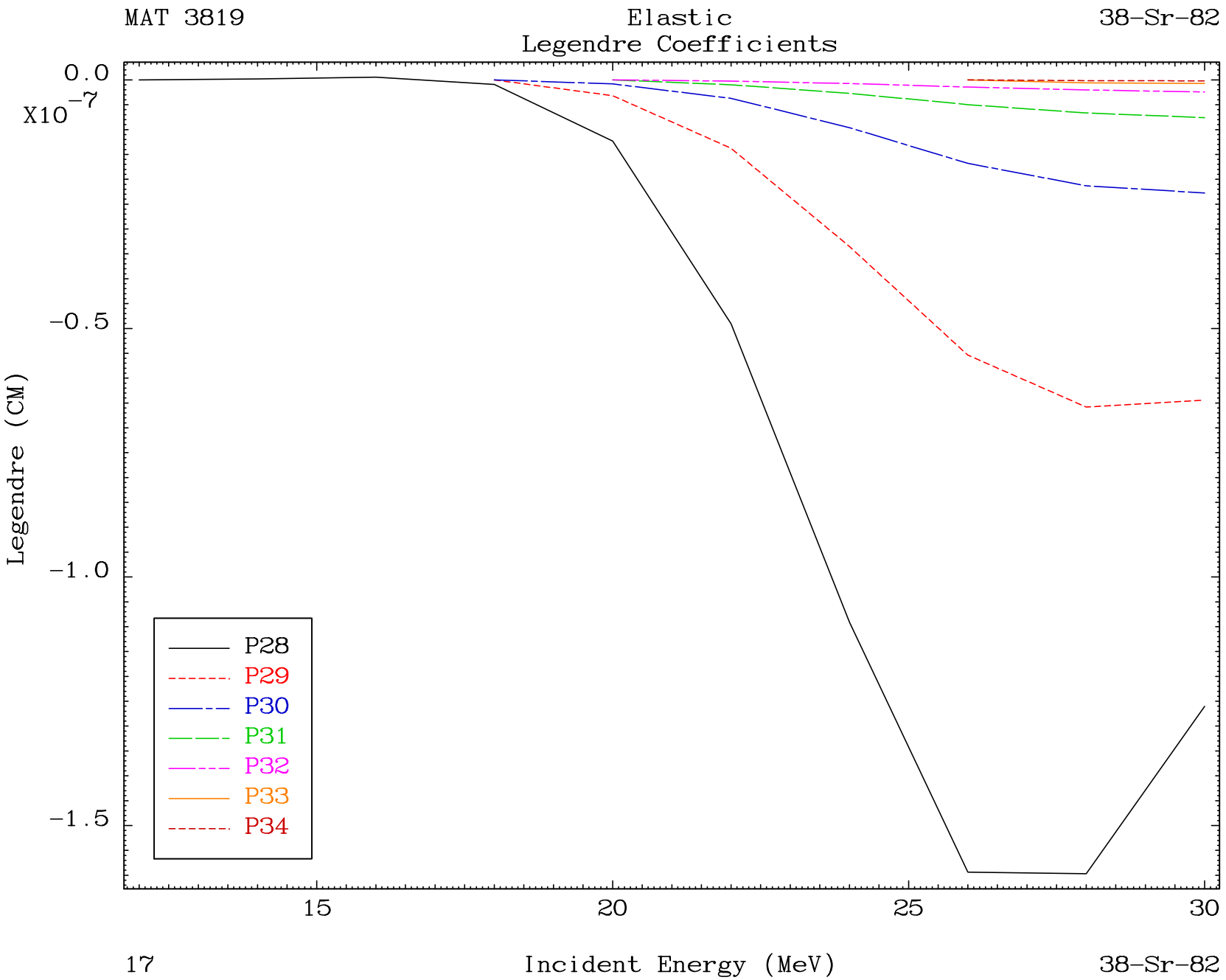

MAT 3819
(n,α) Levels
38-Sr-82
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-82

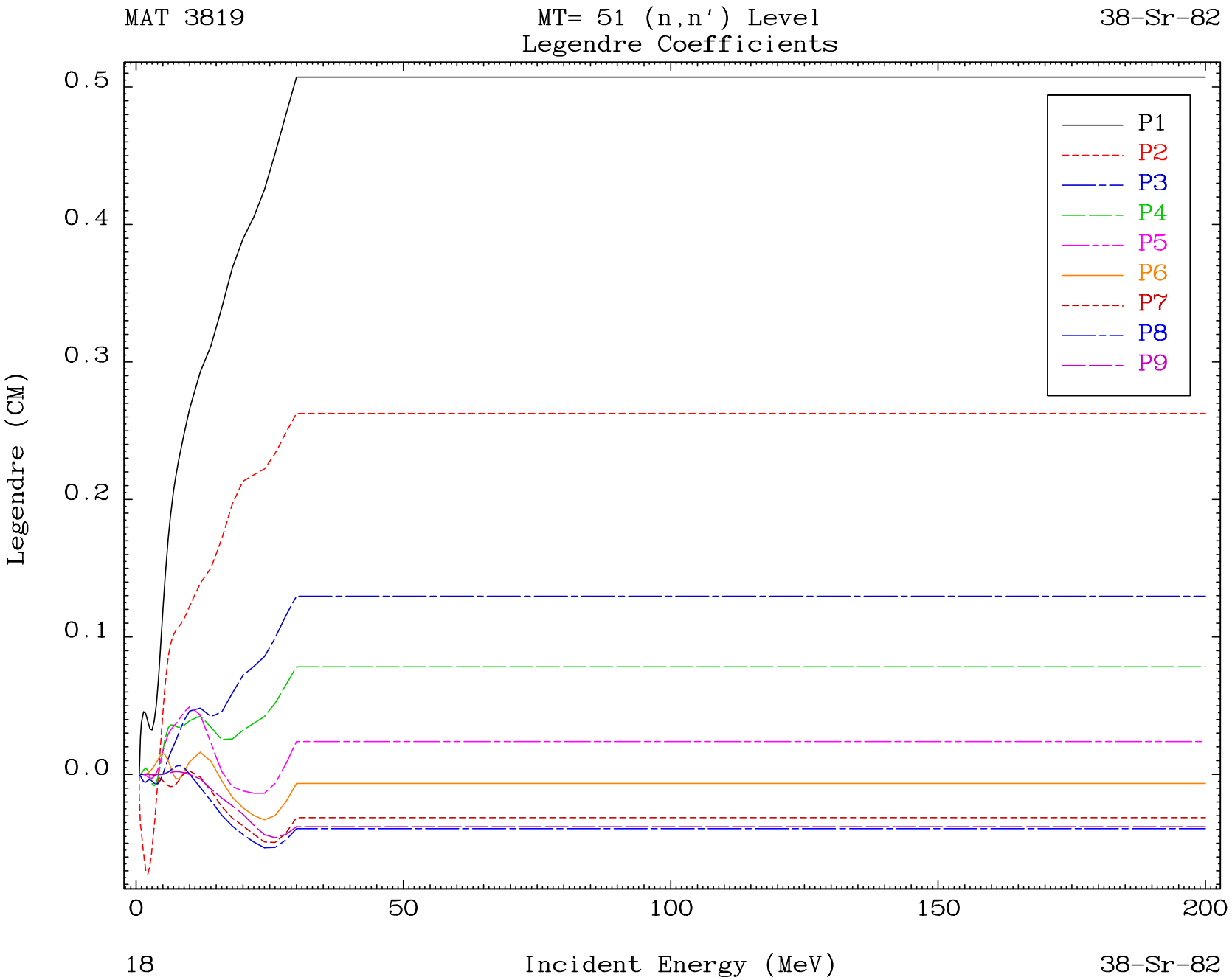

MAT 3819
Energy Release
Parameters
38-Sr-82
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^18
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)
38-Sr-82

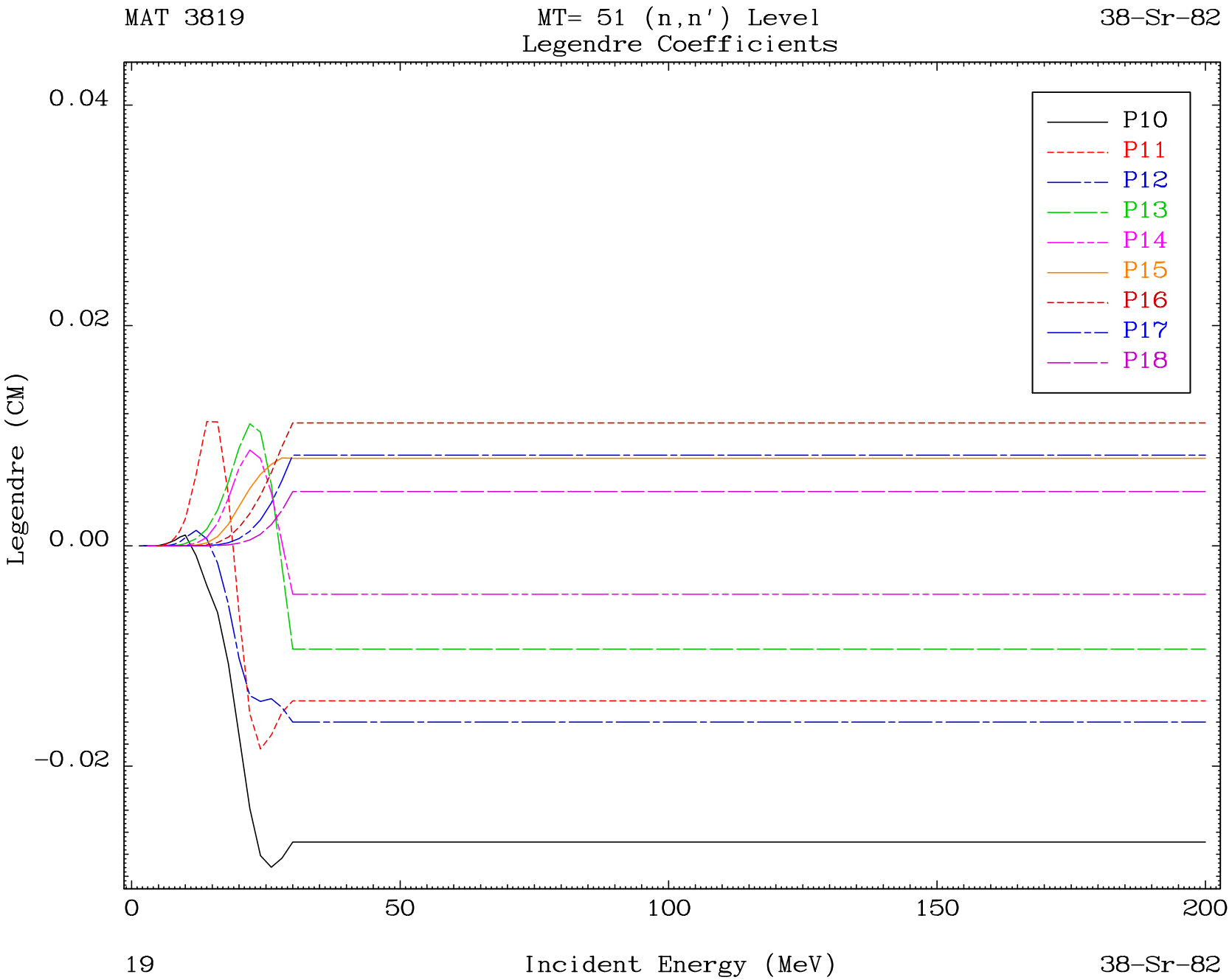

MAT 3819
Elastic
Legendre Coefficients
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
14
Incident Energy (MeV)
38-Sr-82

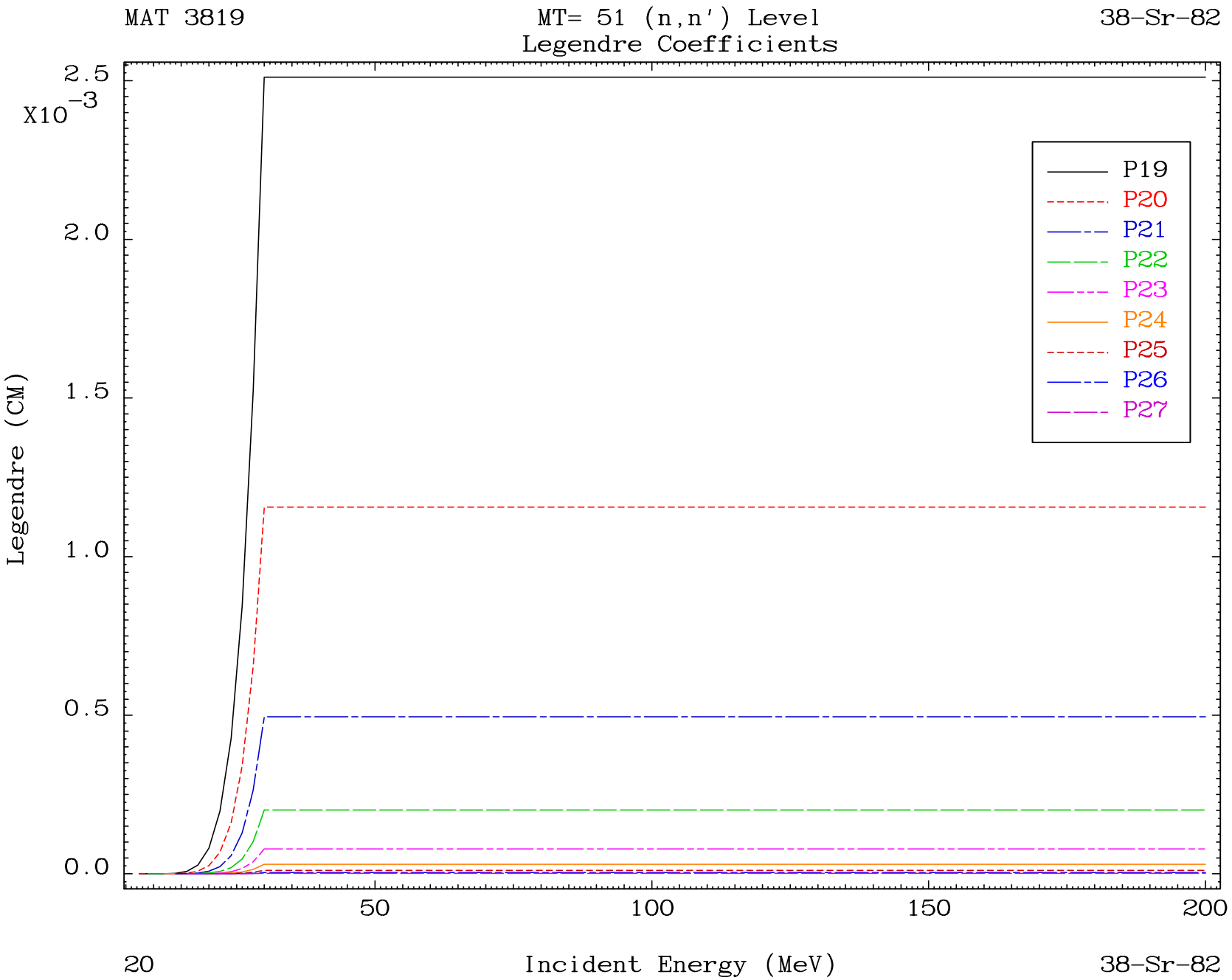

MAT 3819
Elastic
Legendre Coefficients
38-Sr-82
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
5
10
15
20
25
30
15
Incident Energy (MeV)
38-Sr-82

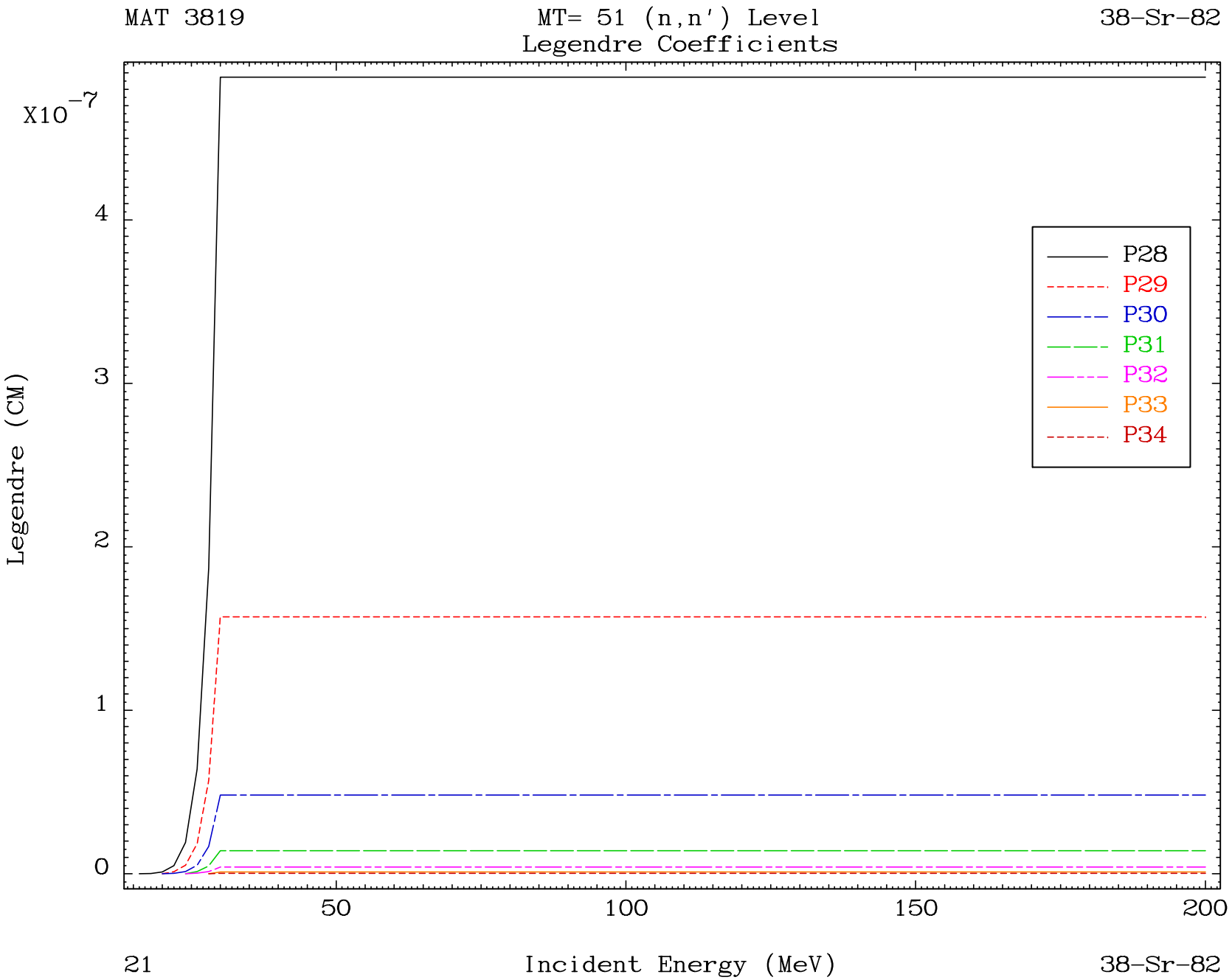

MAT 3819
Elastic
Legendre Coefficients
38-Sr-82
1.5
X10^-3
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
10
15
20
25
30
16
Incident Energy (MeV)
38-Sr-82

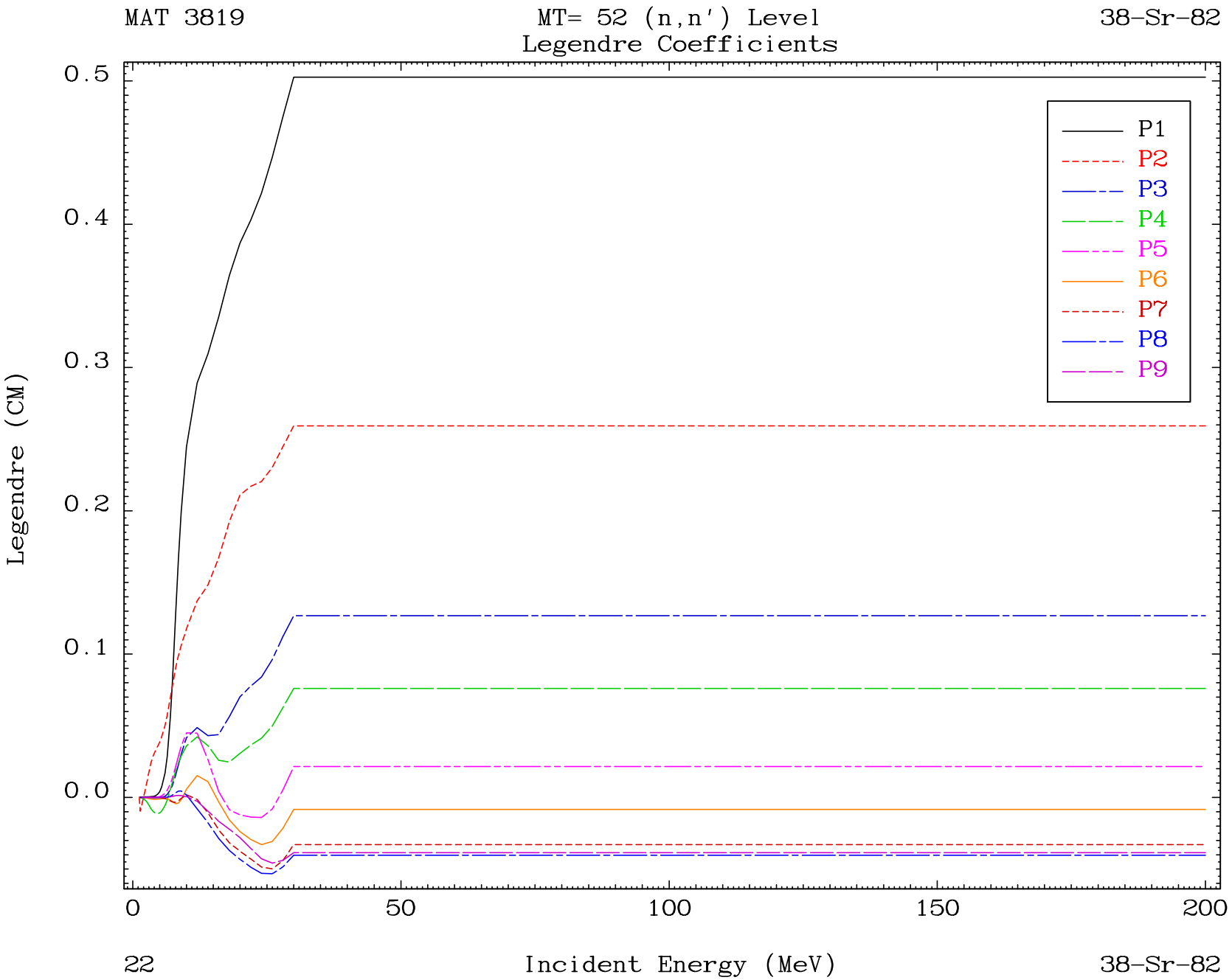

MAT 3819
Elastic
Legendre Coefficients
38-Sr-82
0.0
X10^-7
-0.5
-1.0
-1.5
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
17
Incident Energy (MeV)
38-Sr-82

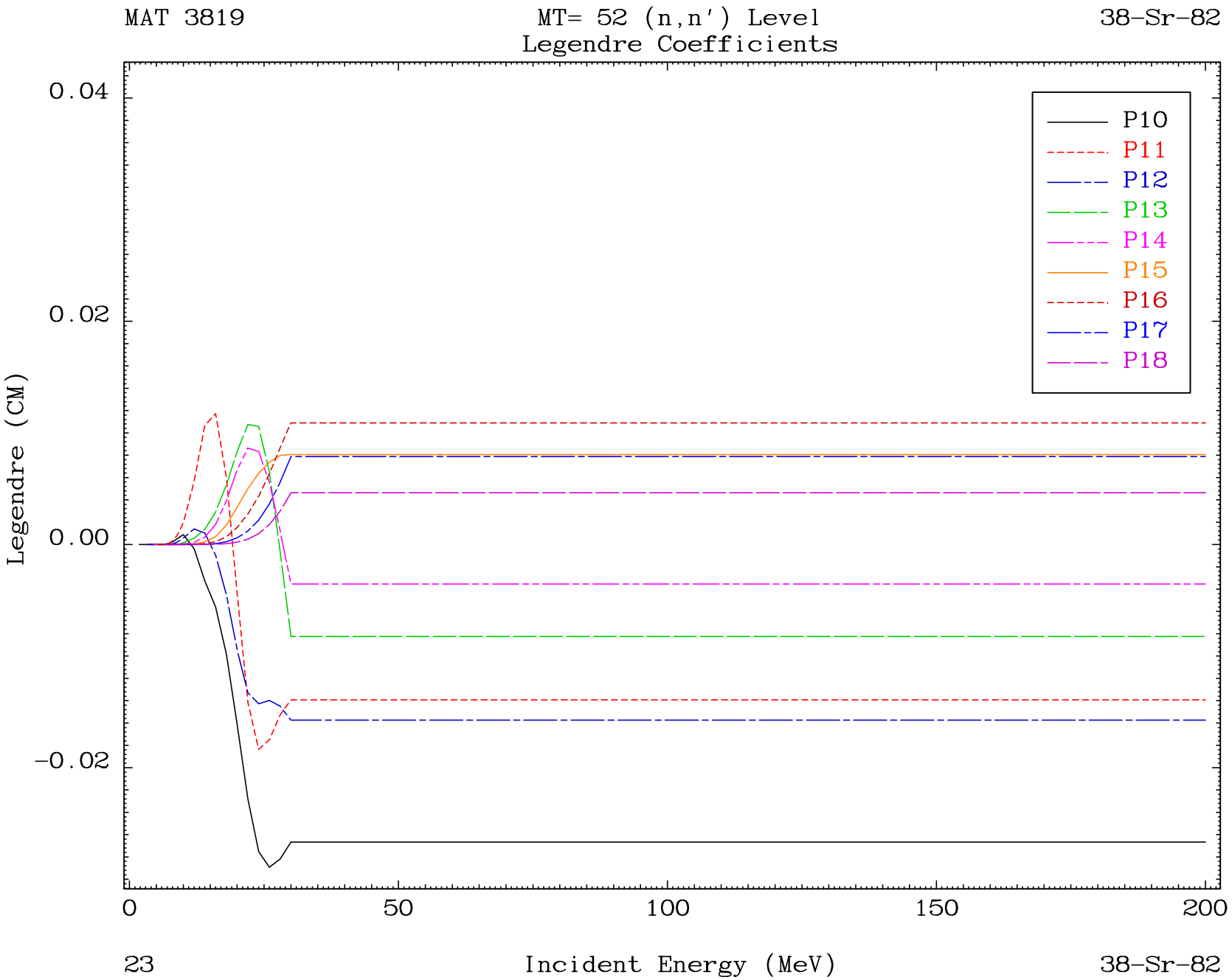

MAT 3819
MT= 51 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
18
Incident Energy (MeV)
38-Sr-82

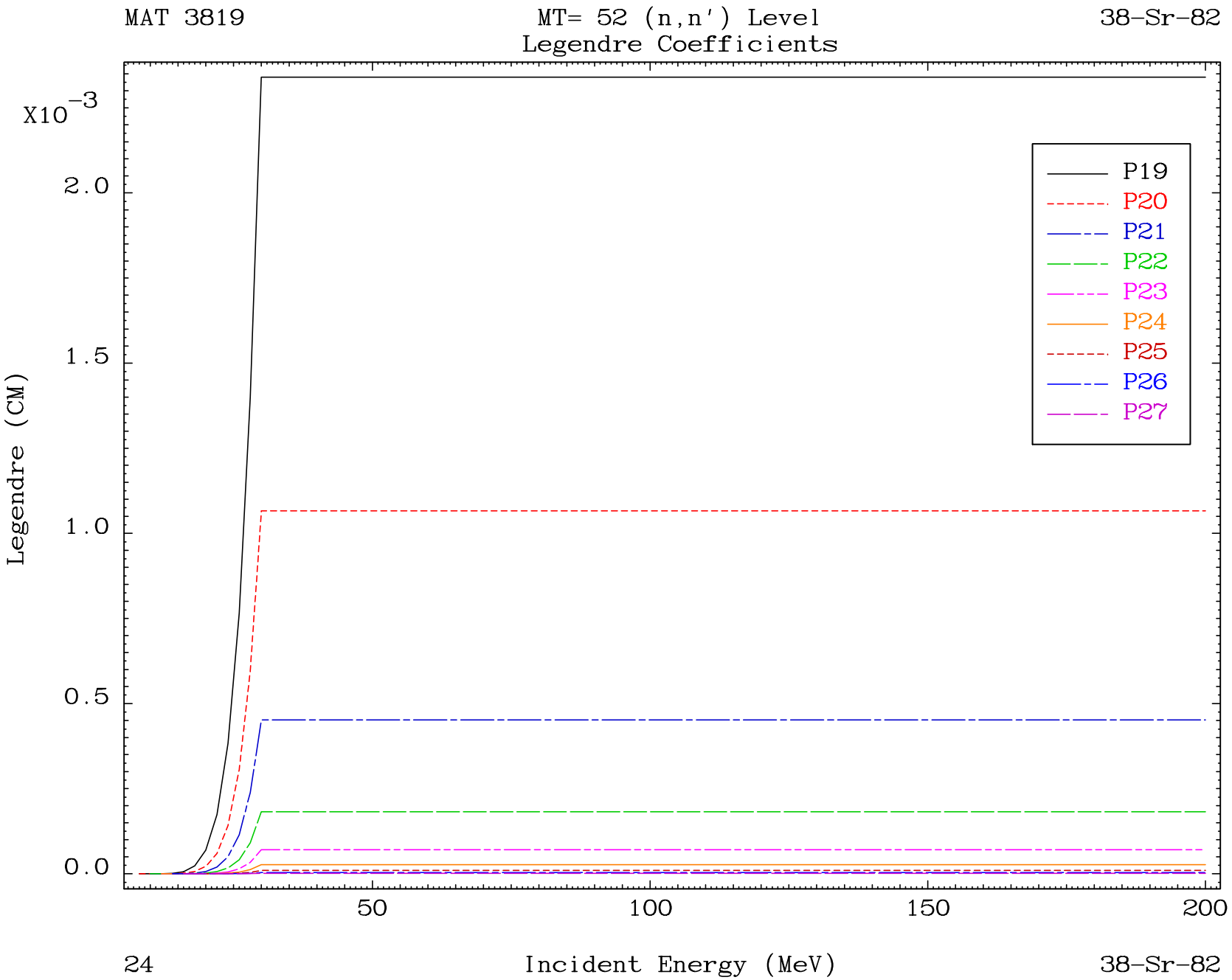

MAT 3819
MT= 51 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
19
Incident Energy (MeV)
38-Sr-82

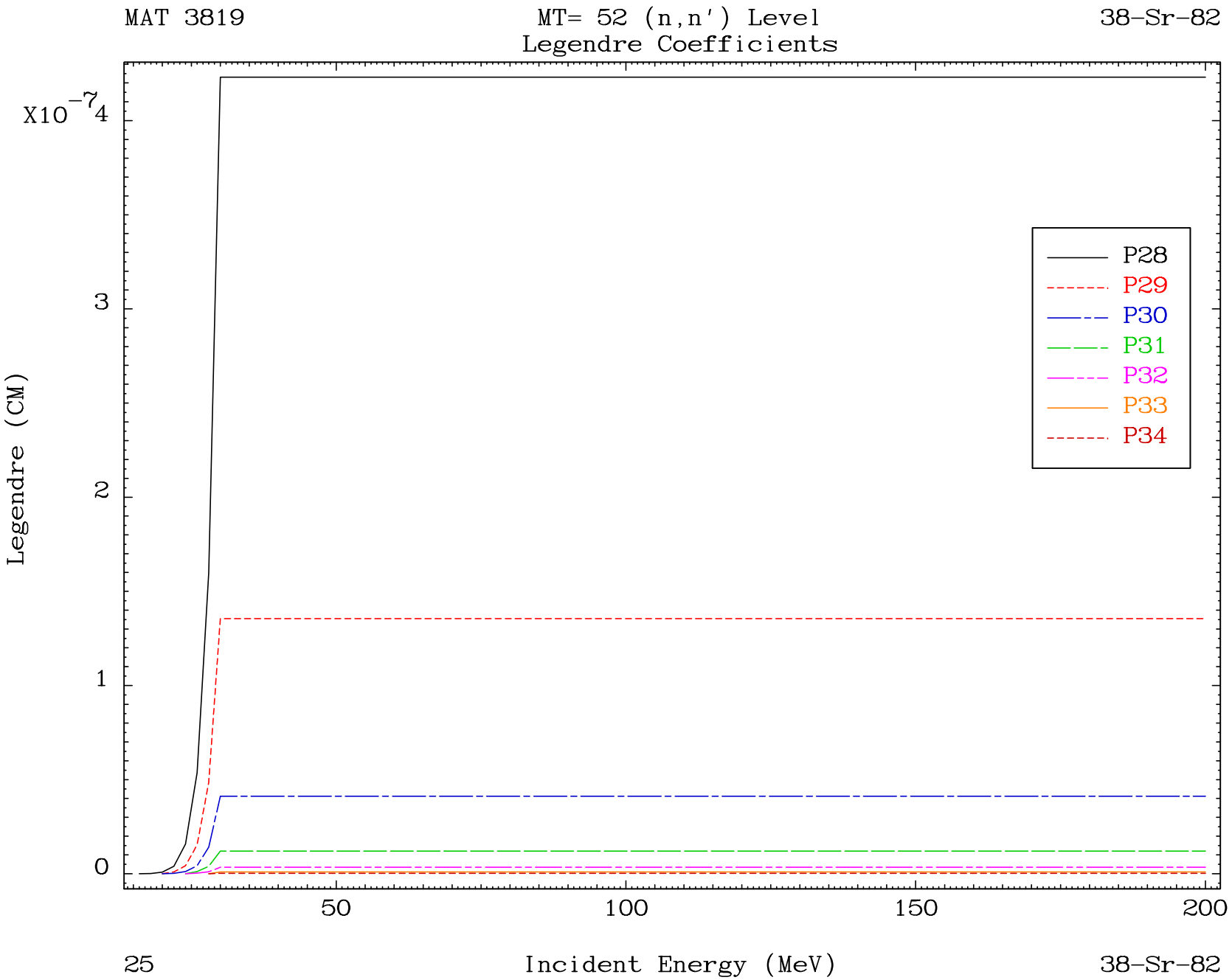

MAT 3819
MT= 51 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 -3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
20
Incident Energy (MeV)
38-Sr-82

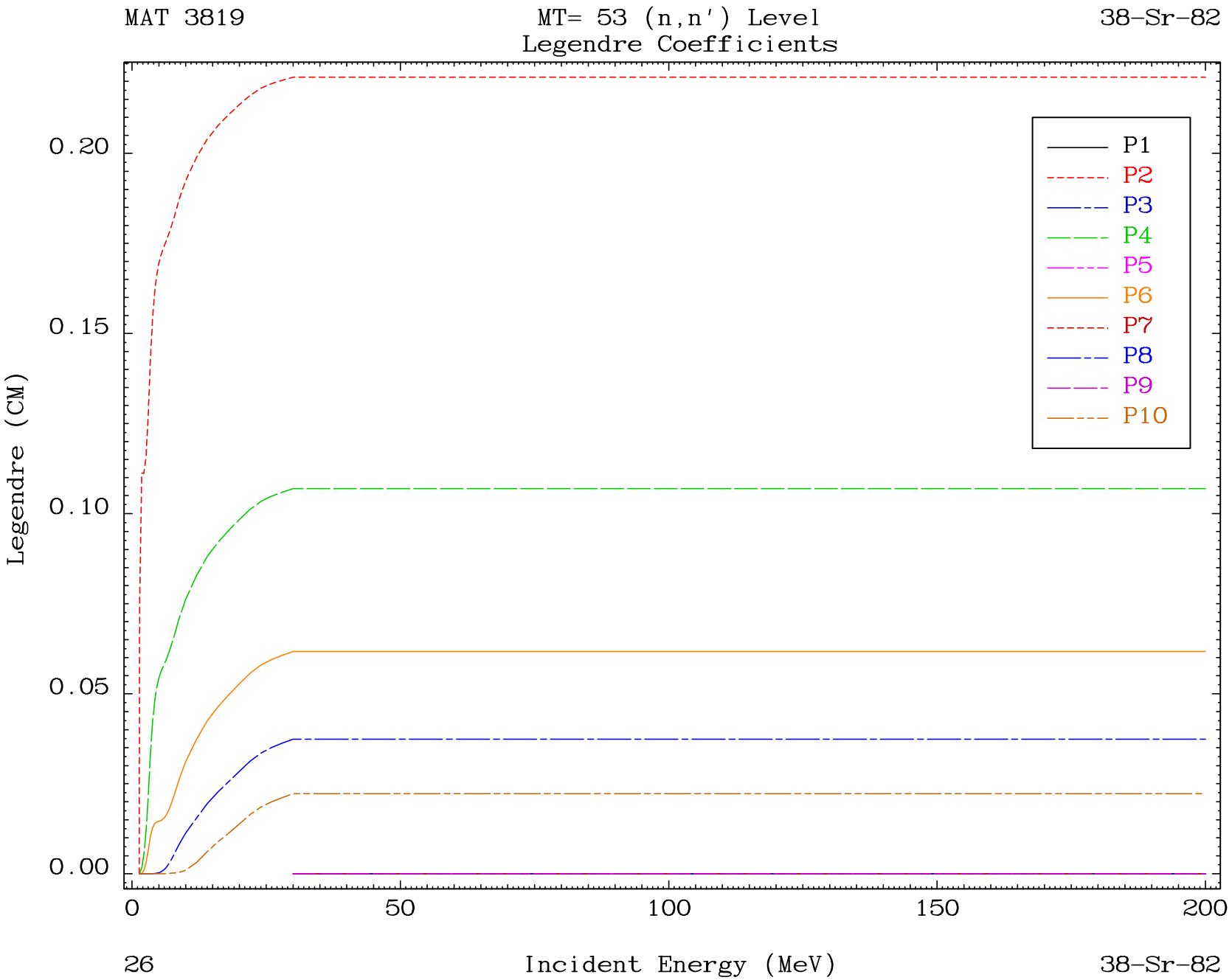

MAT 3819
MT= 51 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
21
Incident Energy (MeV)
38-Sr-82

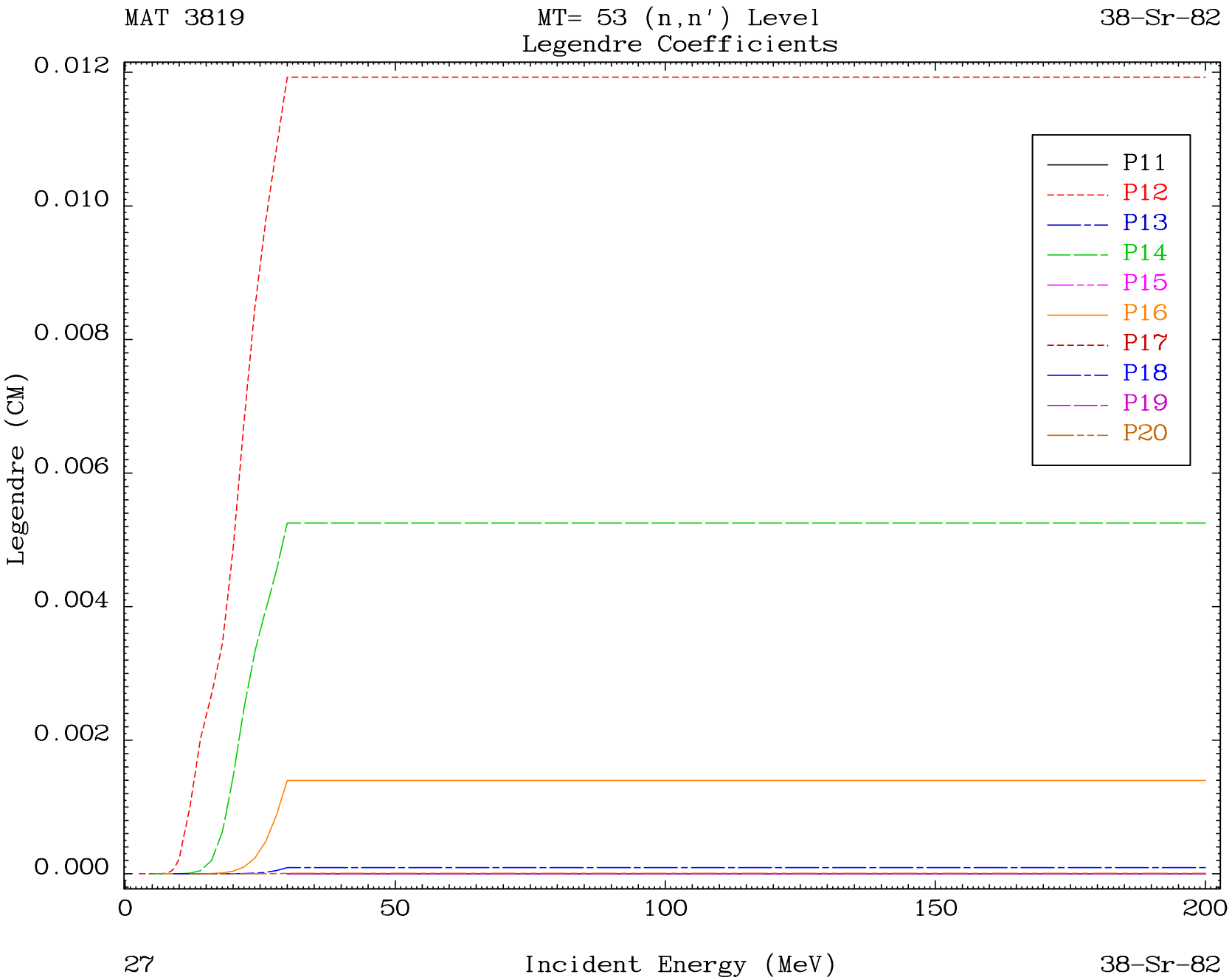

MAT 3819
MT= 52 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
22
Incident Energy (MeV)
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9

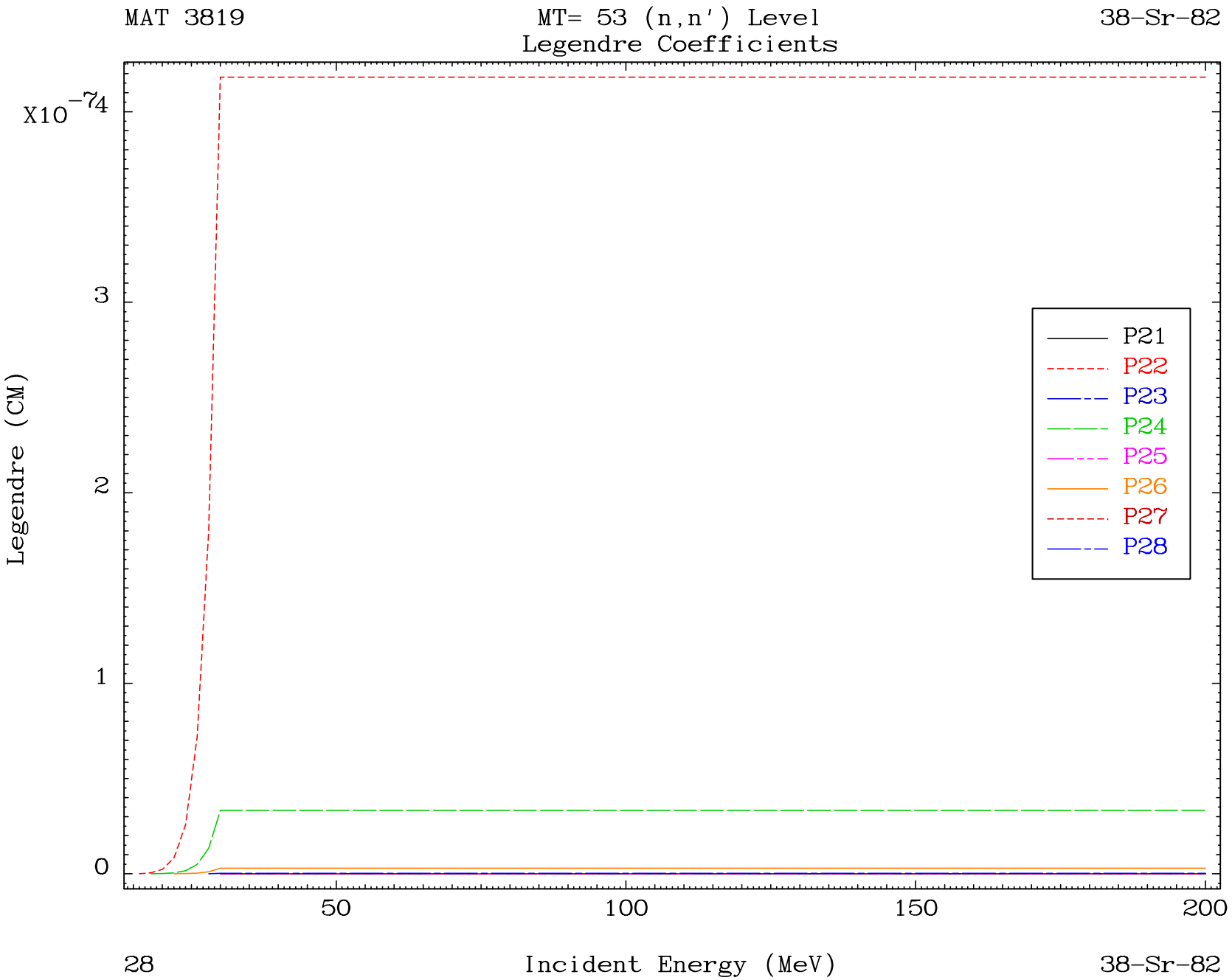

MAT 3819
MT= 52 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
23
Incident Energy (MeV)
38-Sr-82

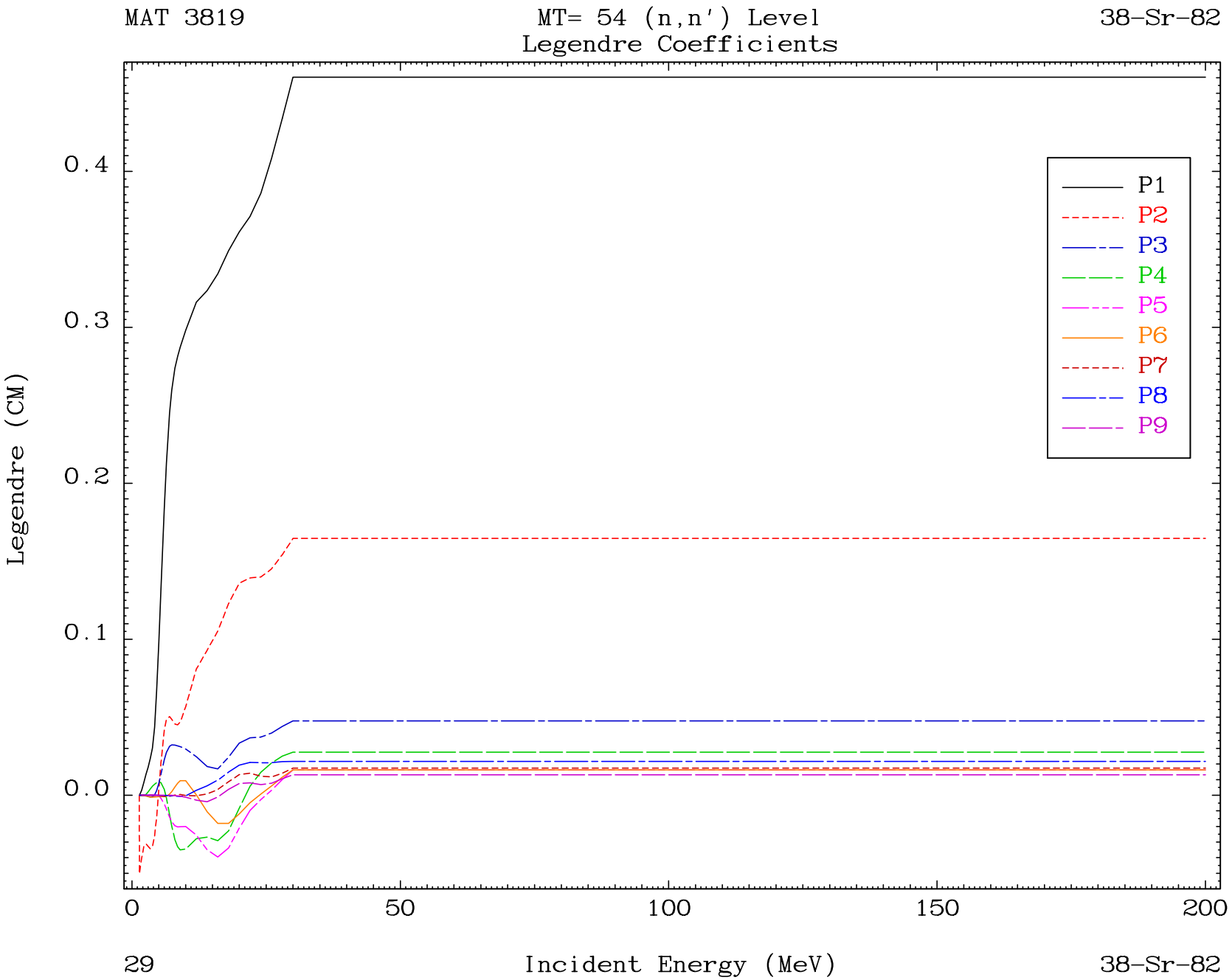

MAT 3819
MT= 52 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
24
Incident Energy (MeV)
38-Sr-82

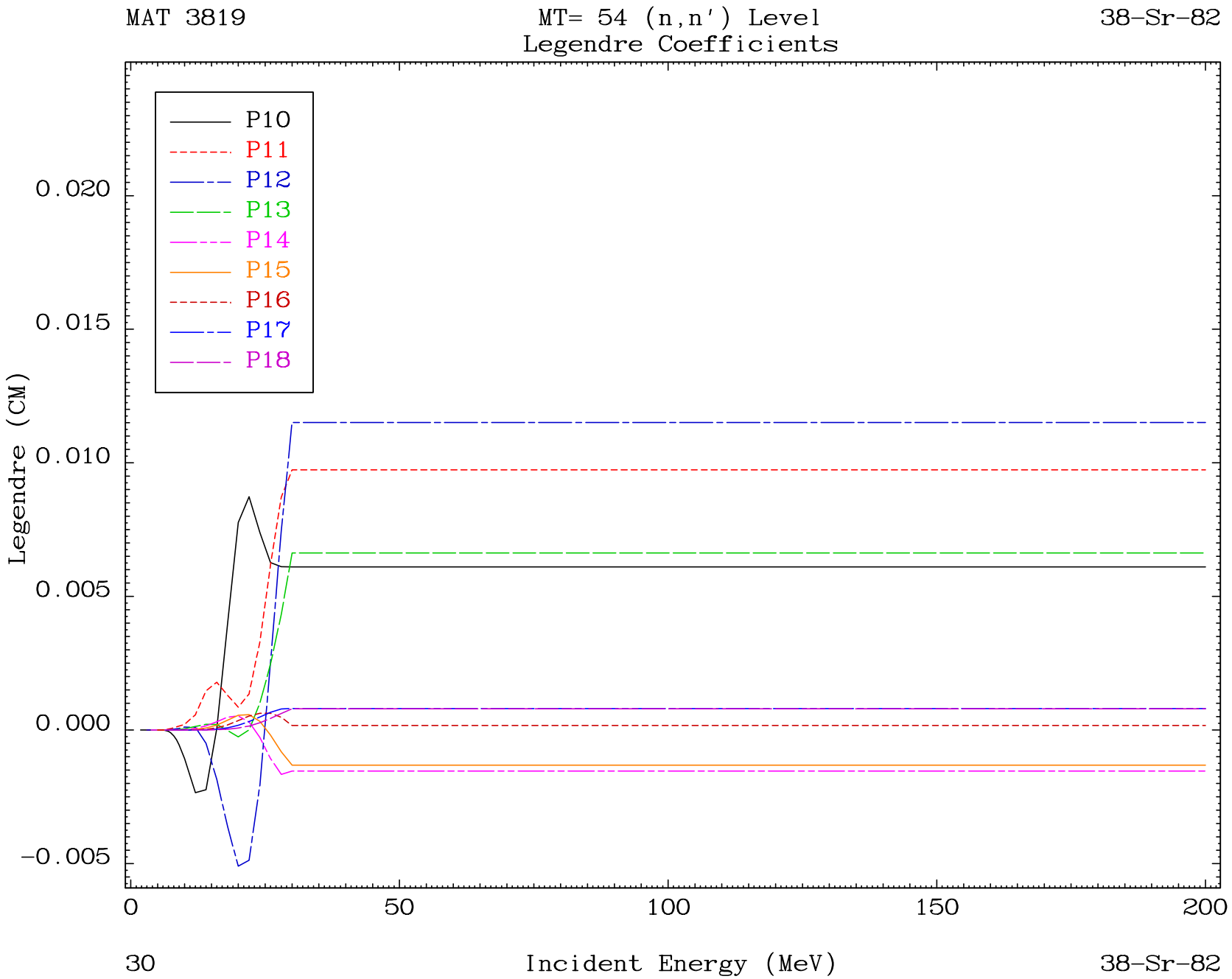

MAT 3819
MT= 52 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
25
Incident Energy (MeV)
38-Sr-82

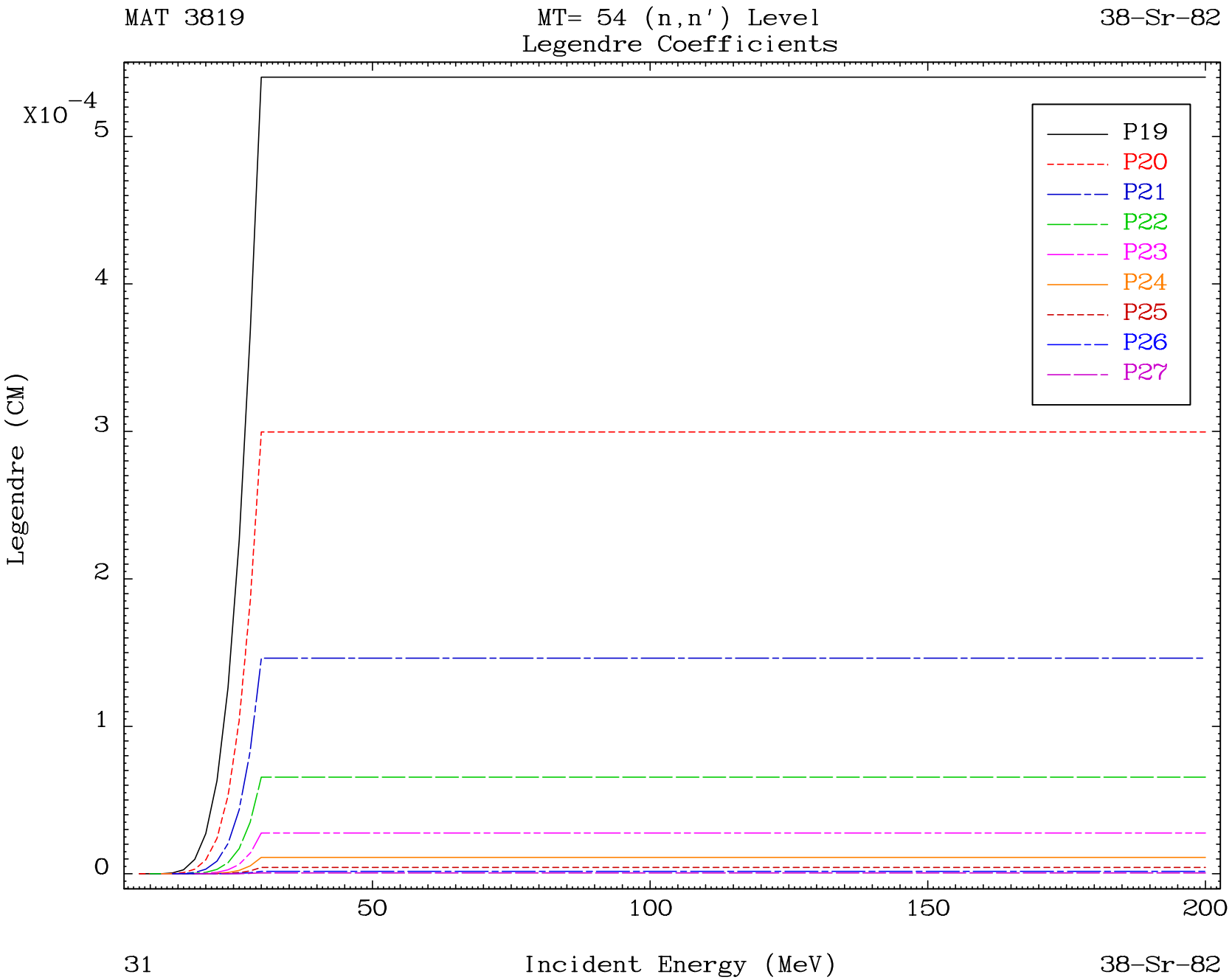

MAT 3819
MT= 53 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
26
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

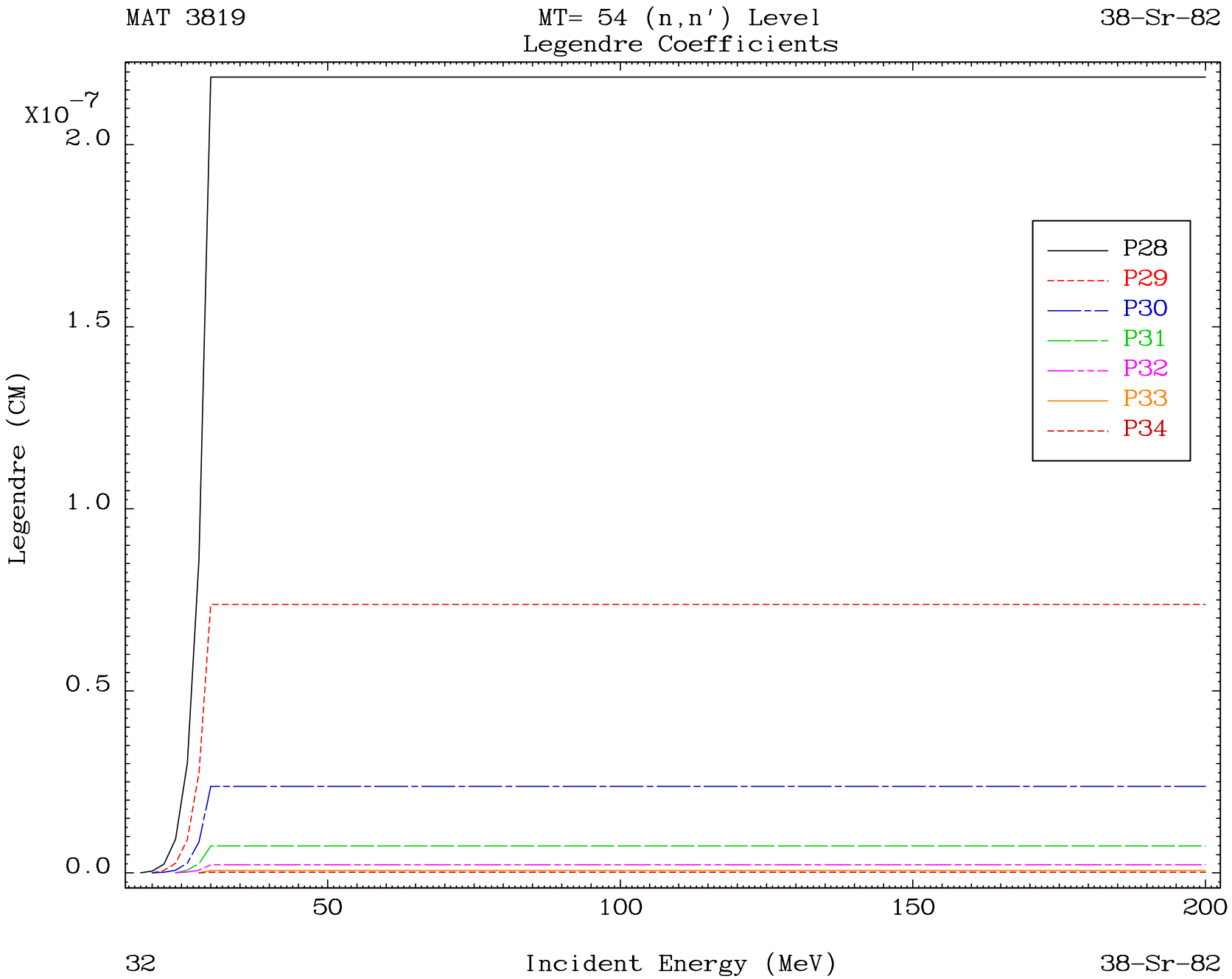

MAT 3819
MT= 53 (n,n') Level
Legendre Coefficients
38-Sr-82
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
27
38-Sr-82
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

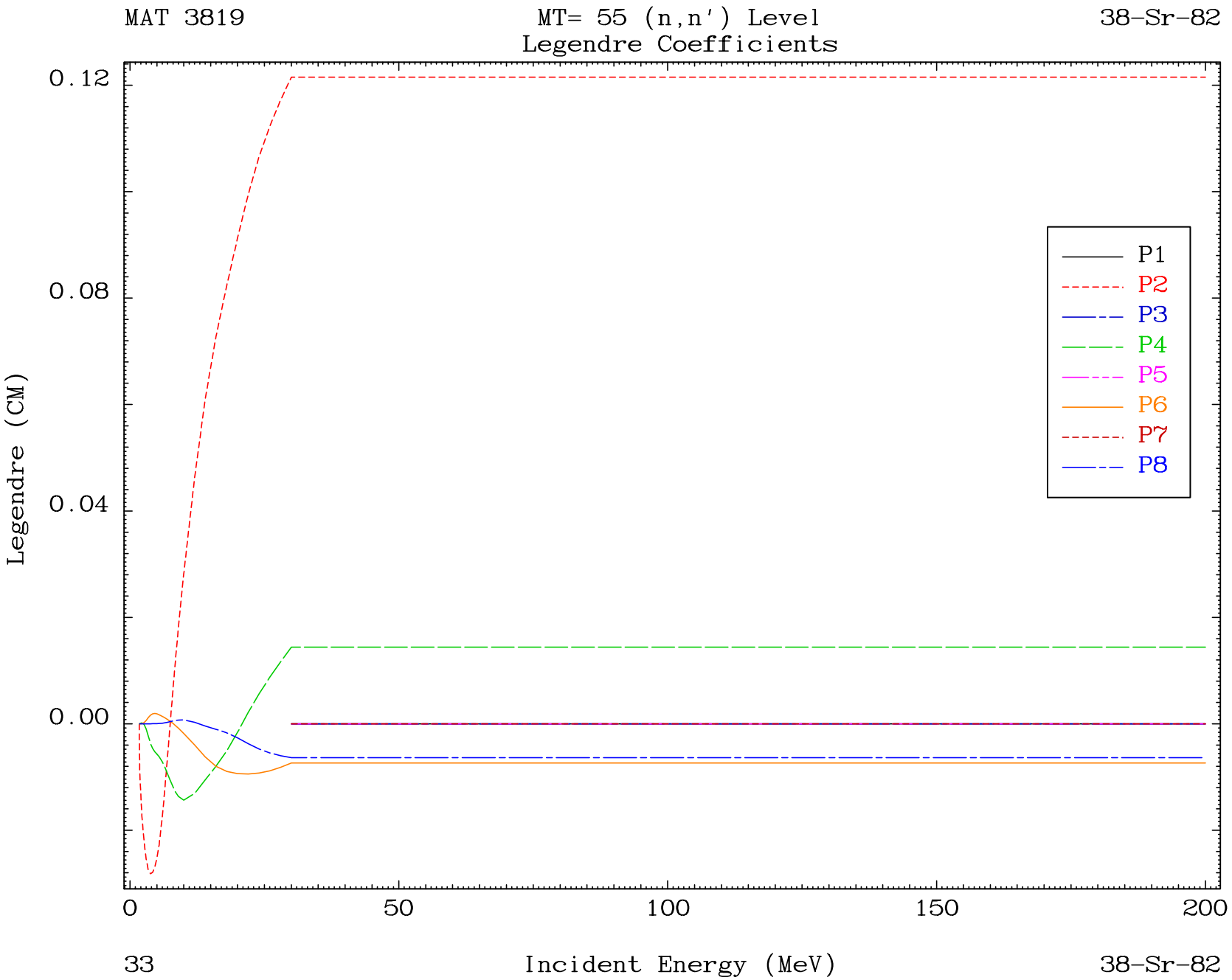

MAT 3819
MT= 53 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-7
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
28
Incident Energy (MeV)
38-Sr-82

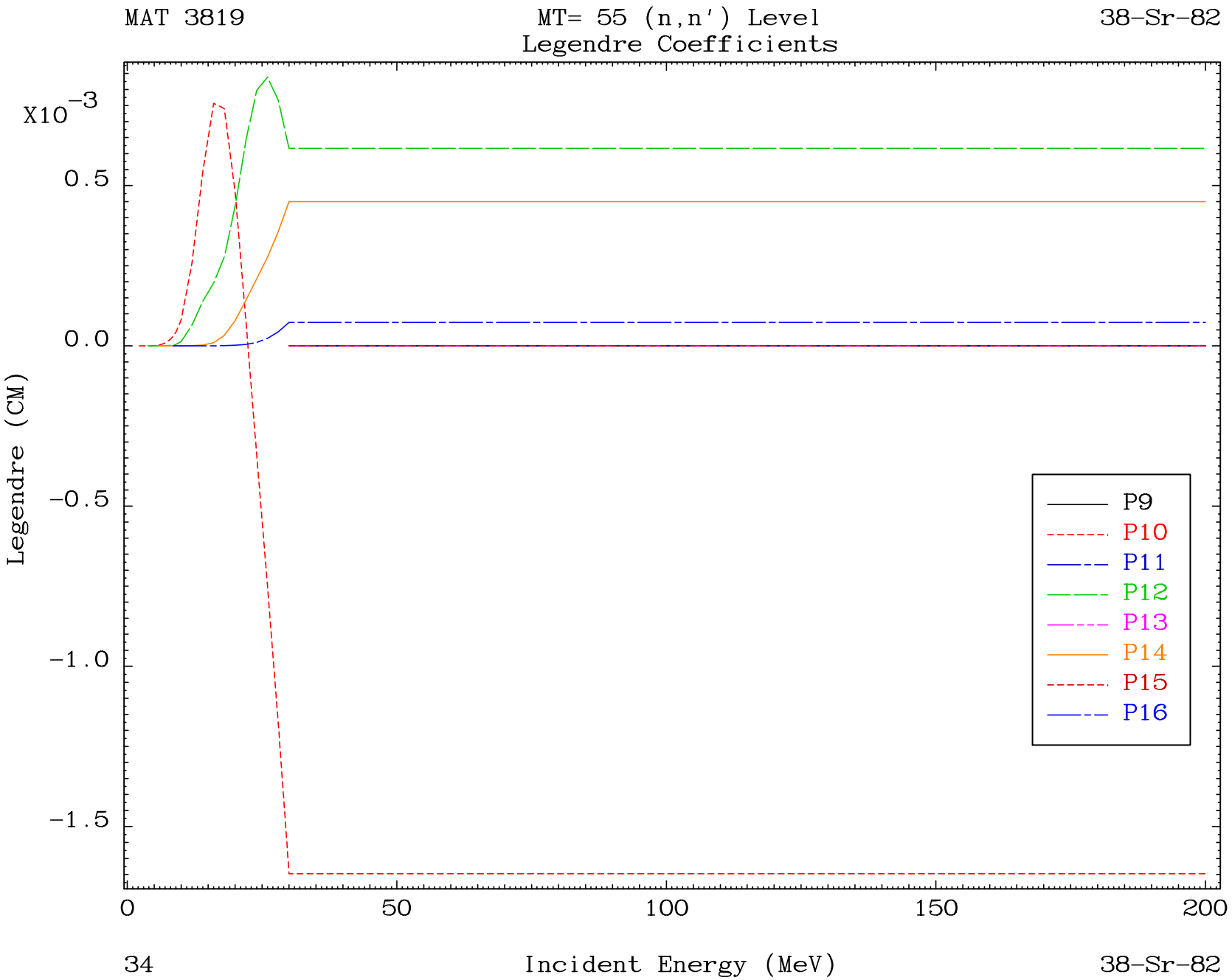

MAT 3819
MT= 54 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
29
Incident Energy (MeV)
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9

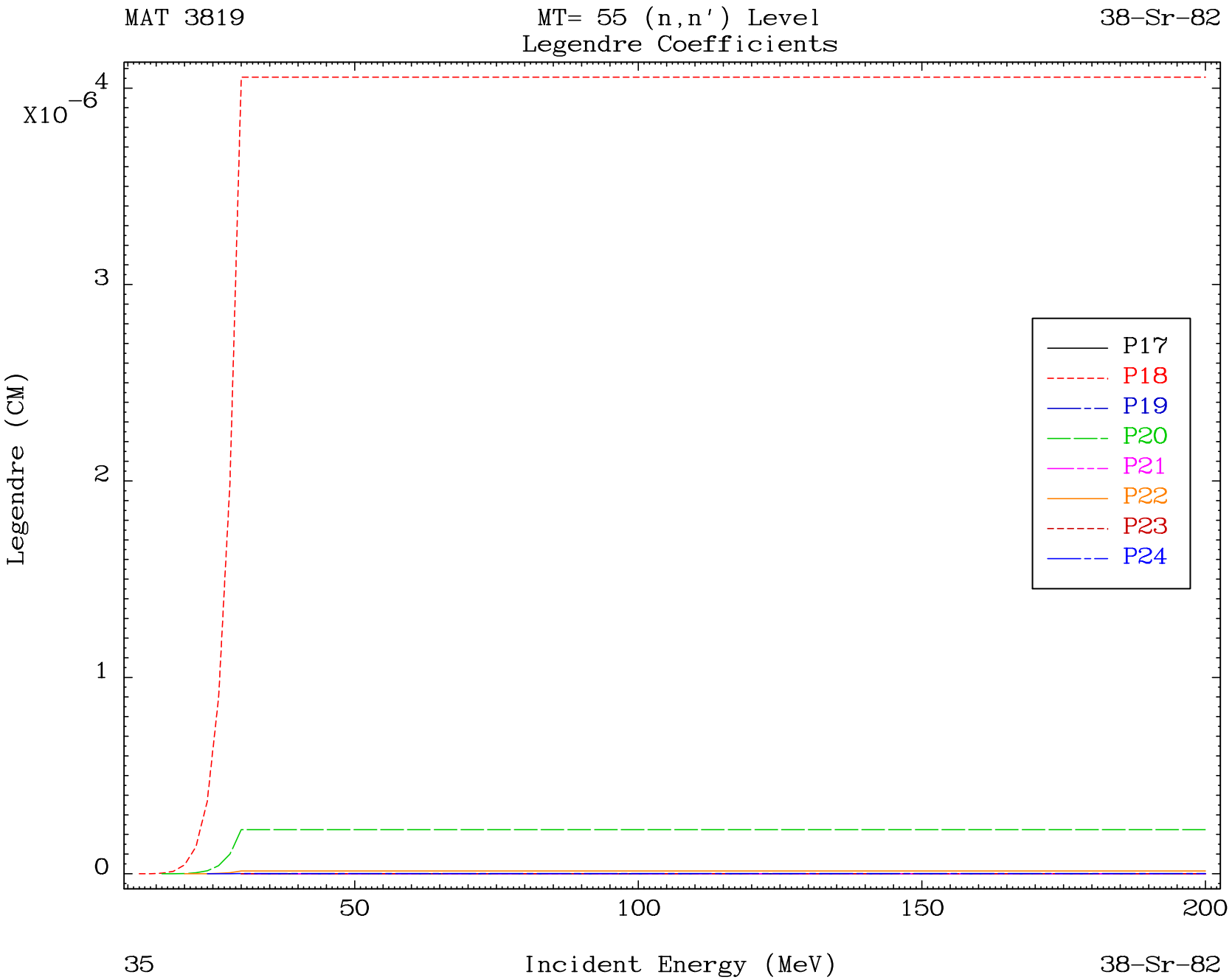

MAT 3819
MT= 54 (n,n') Level
Legendre Coefficients
38-Sr-82
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
30
Incident Energy (MeV)
38-Sr-82

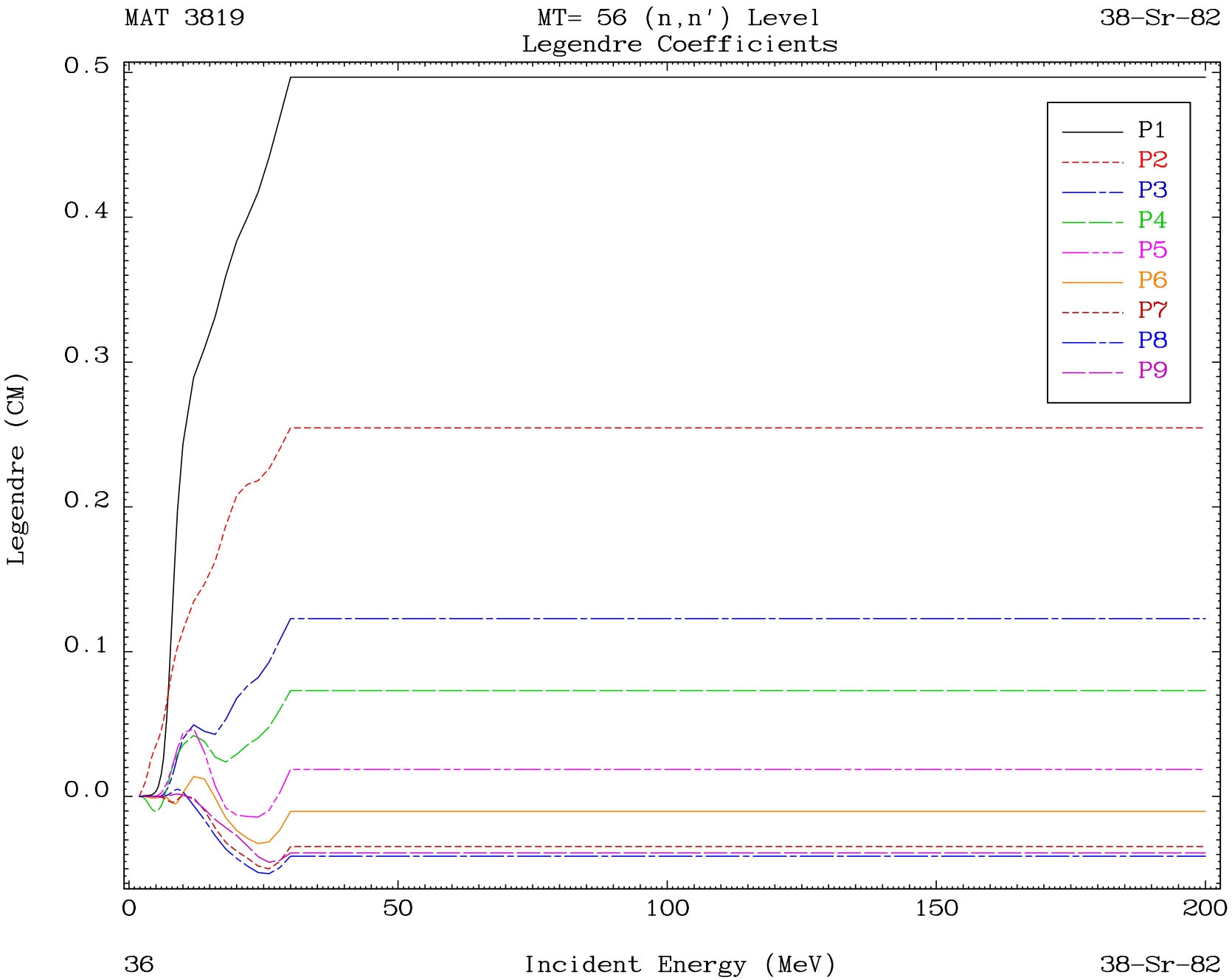

MAT 3819
MT= 54 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 -4
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
31
Incident Energy (MeV)
38-Sr-82

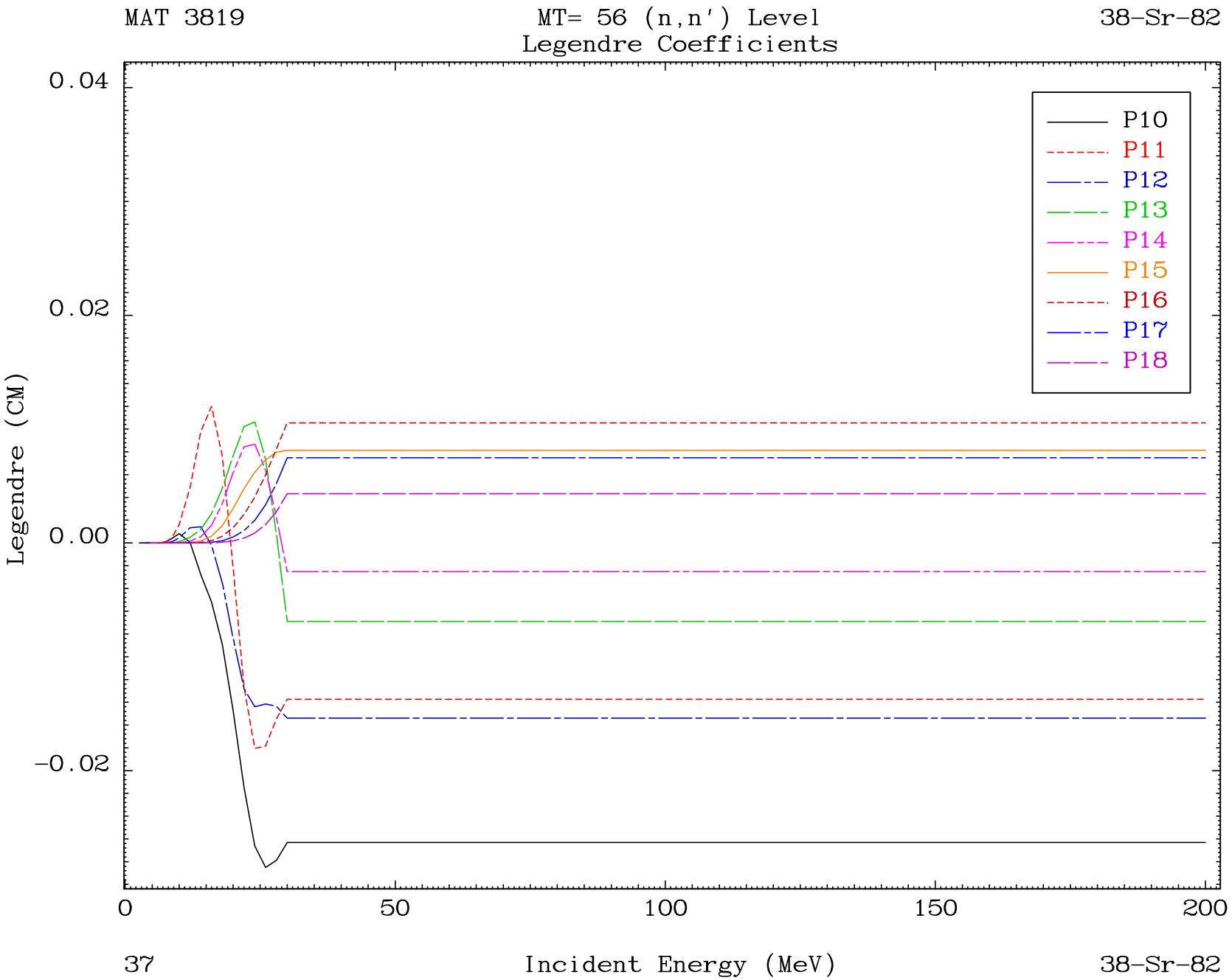

MAT 3819
MT= 54 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
32
Incident Energy (MeV)
38-Sr-82

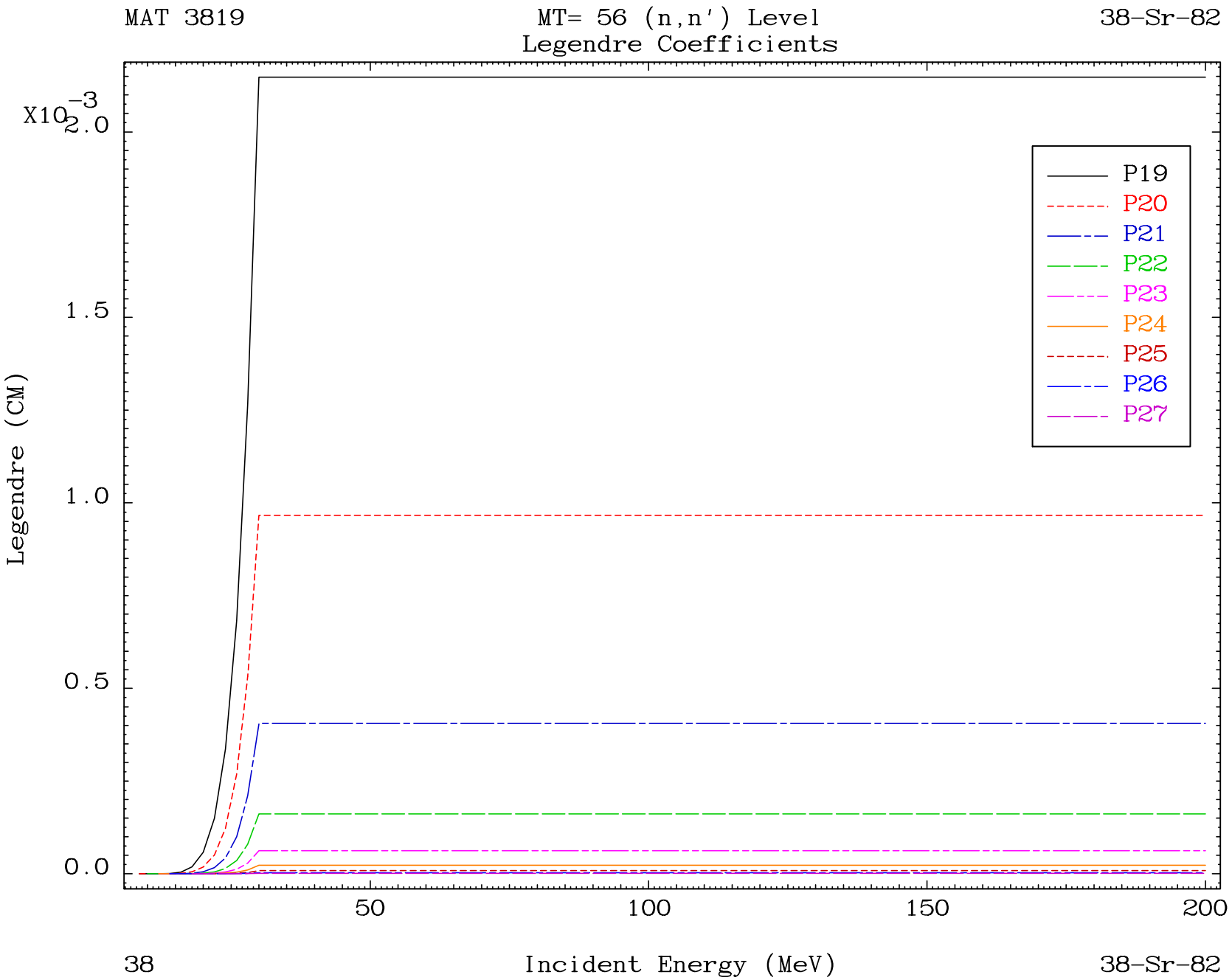

MAT 3819
MT= 55 (n,n') Level
Legendre Coefficients
38-Sr-82
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
33
Incident Energy (MeV)
38-Sr-82

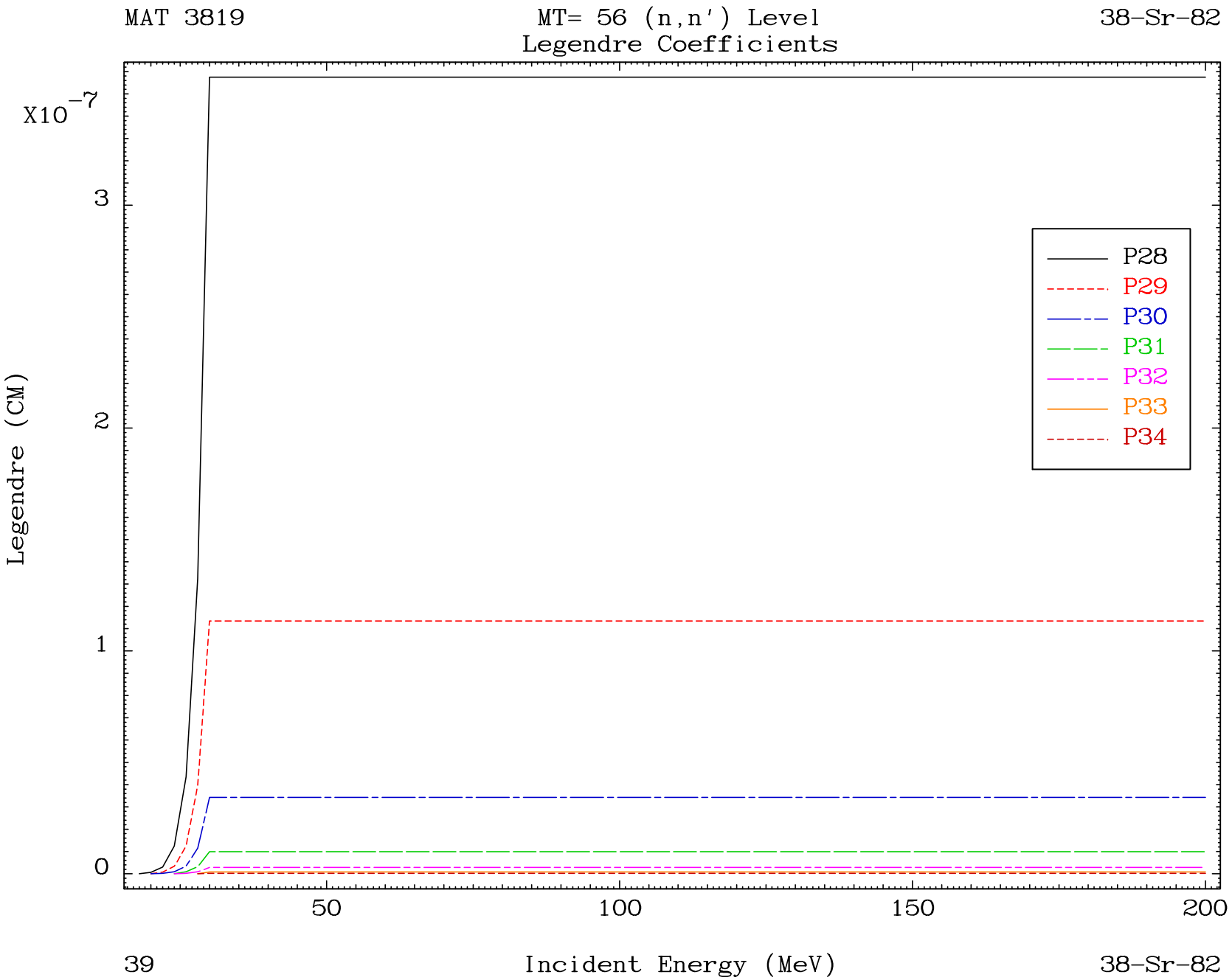

MAT 3819
MT= 55 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
0
50
100
150
200
34
Incident Energy (MeV)
38-Sr-82
P9
P10
P11
P12
P13
P14
P15
P16

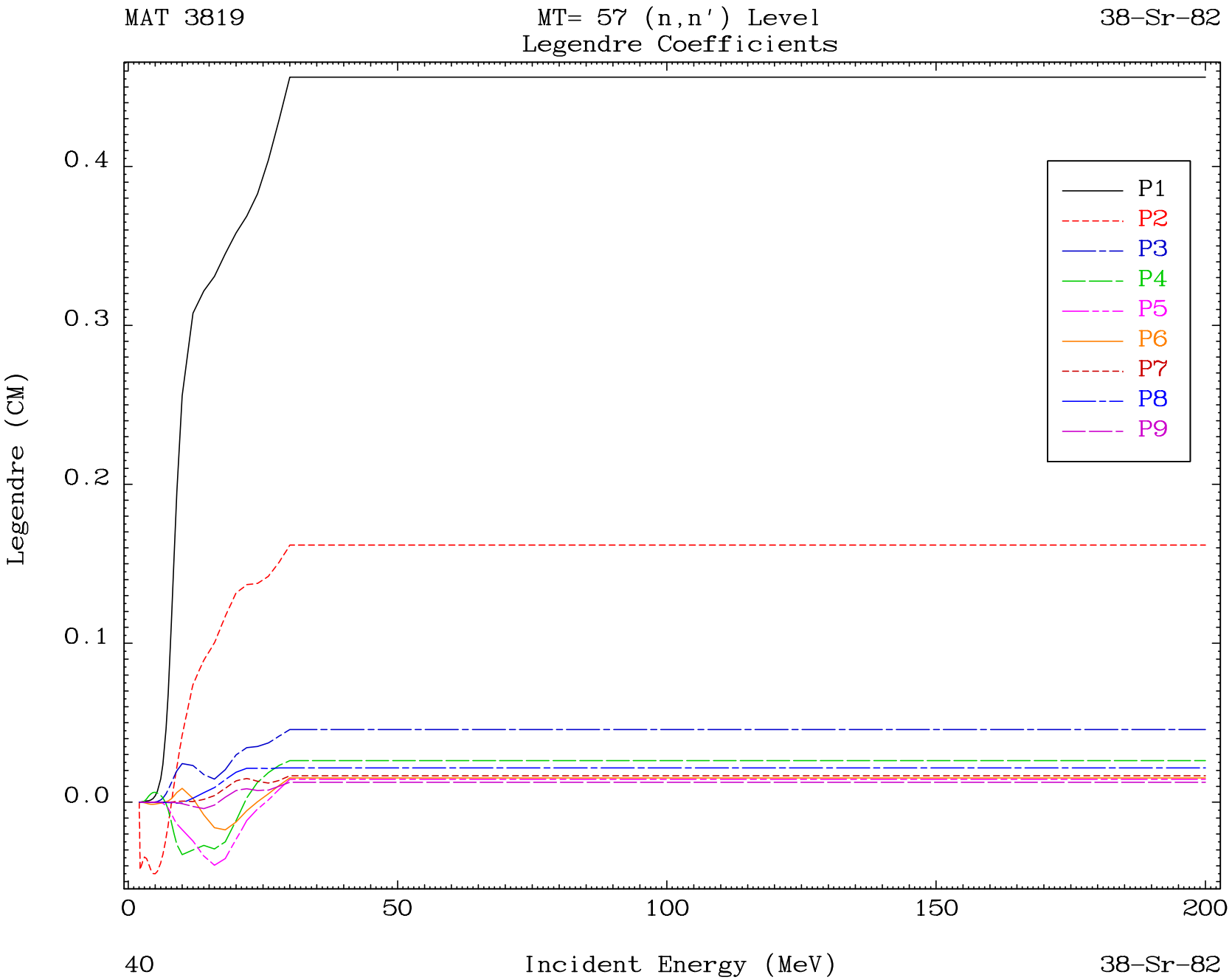

MAT 3819
MT= 55 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 -6
4
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
35
Incident Energy (MeV)
38-Sr-82

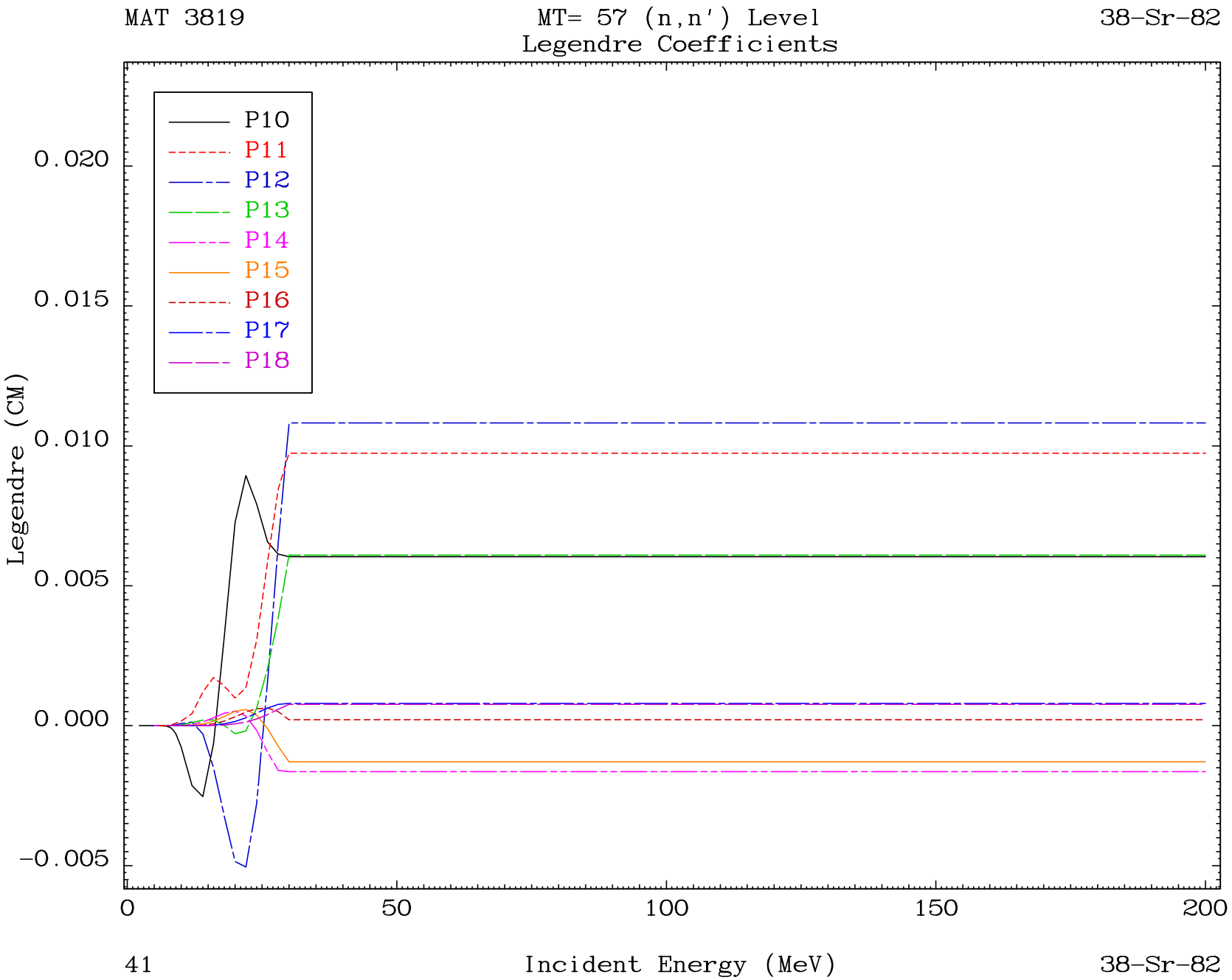

MAT 3819
MT= 56 (n,n') Level
Legendre Coefficients
38-Sr-82
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
36
Incident Energy (MeV)
38-Sr-82

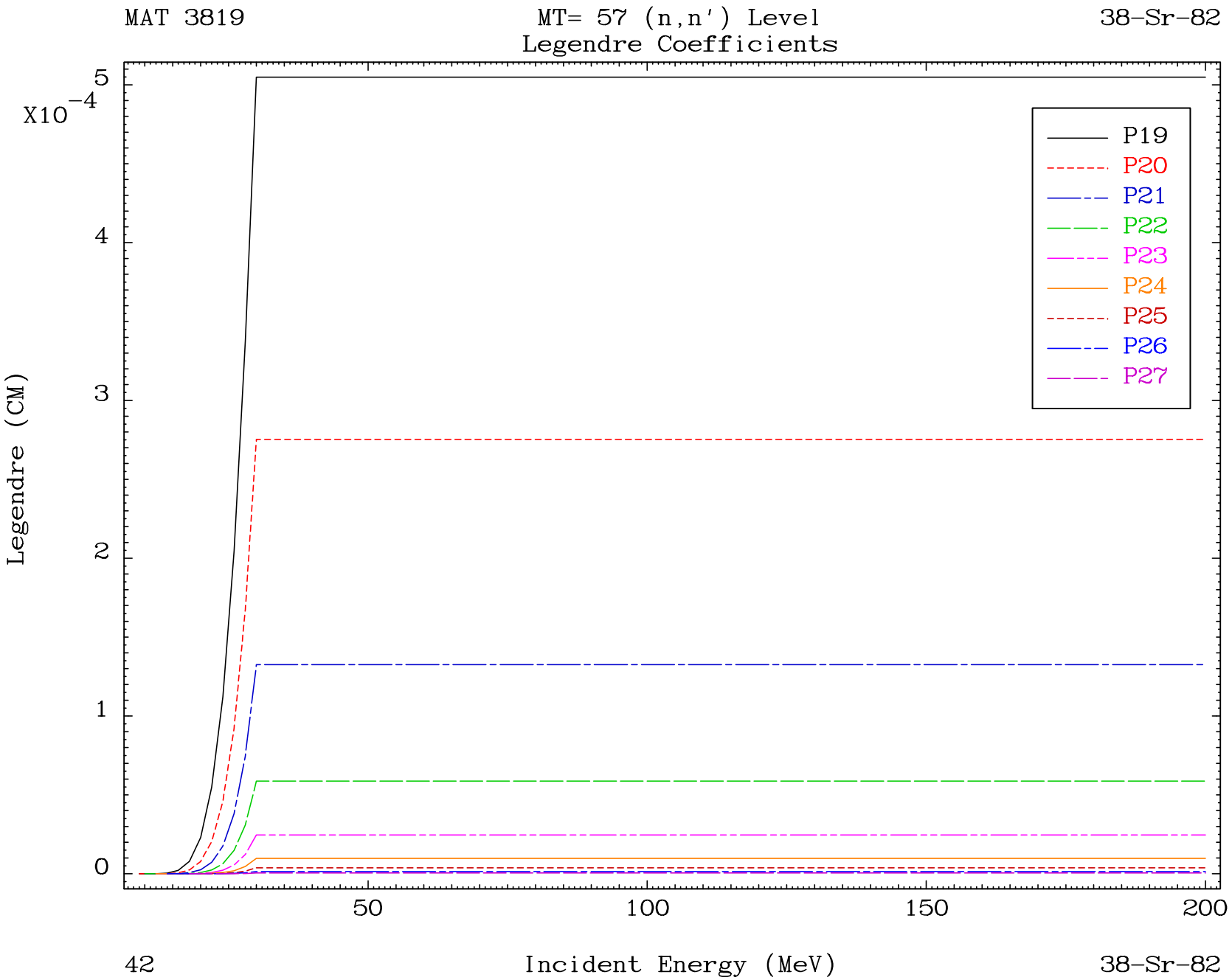

MAT 3819
MT= 56 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
37
Incident Energy (MeV)
38-Sr-82

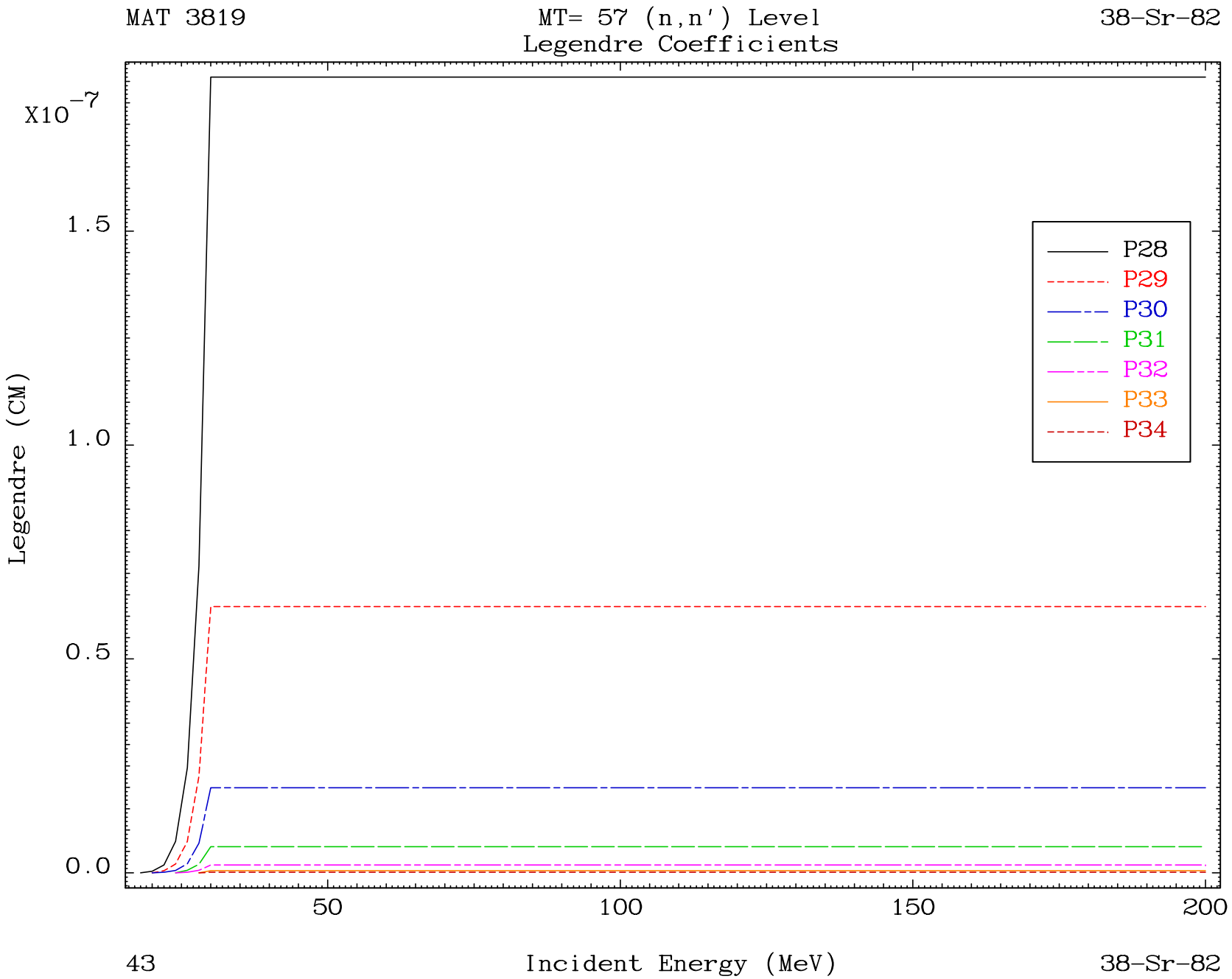

MAT 3819
MT= 56 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
38
Incident Energy (MeV)
38-Sr-82

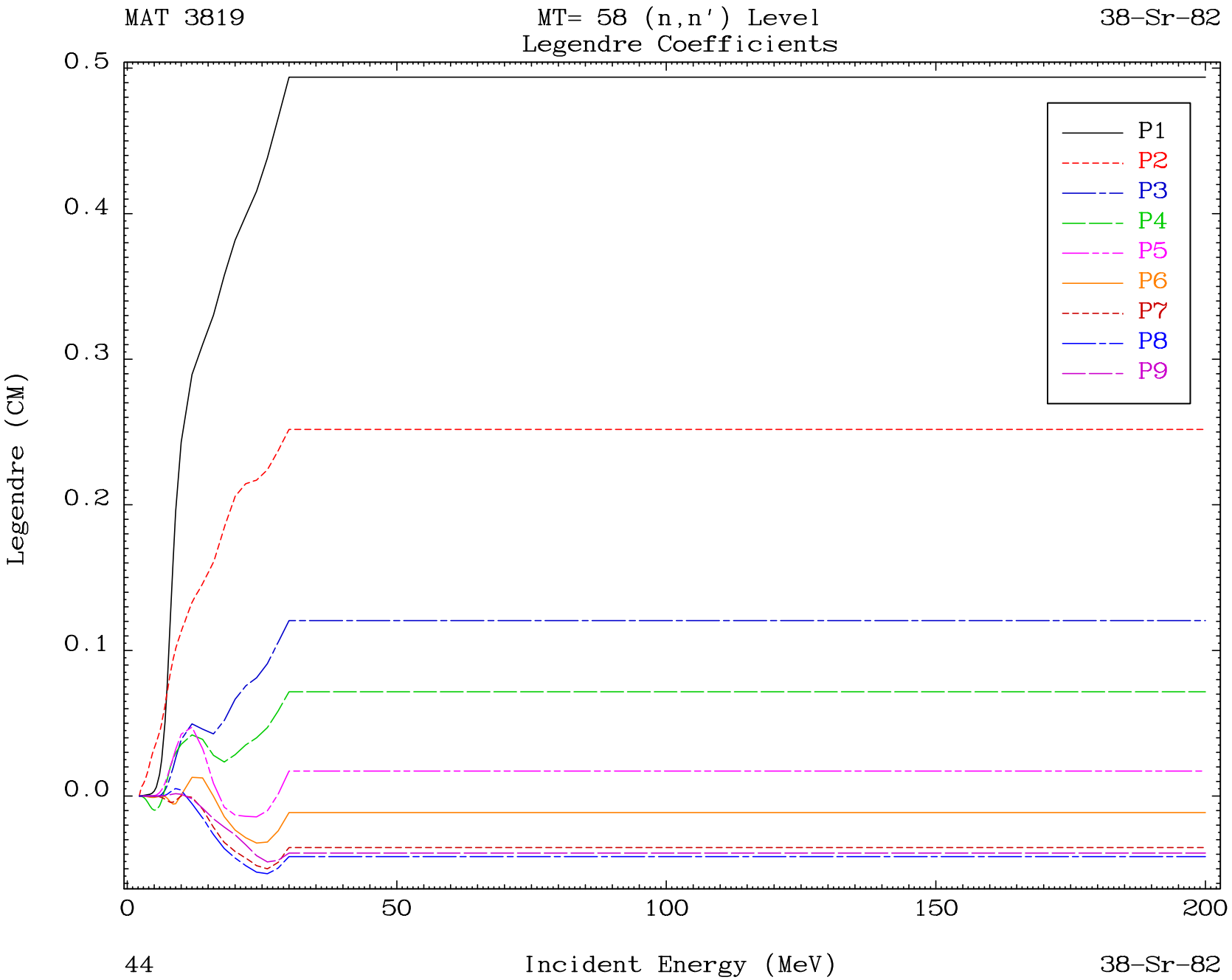

MAT 3819
MT= 56 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
39
Incident Energy (MeV)
38-Sr-82

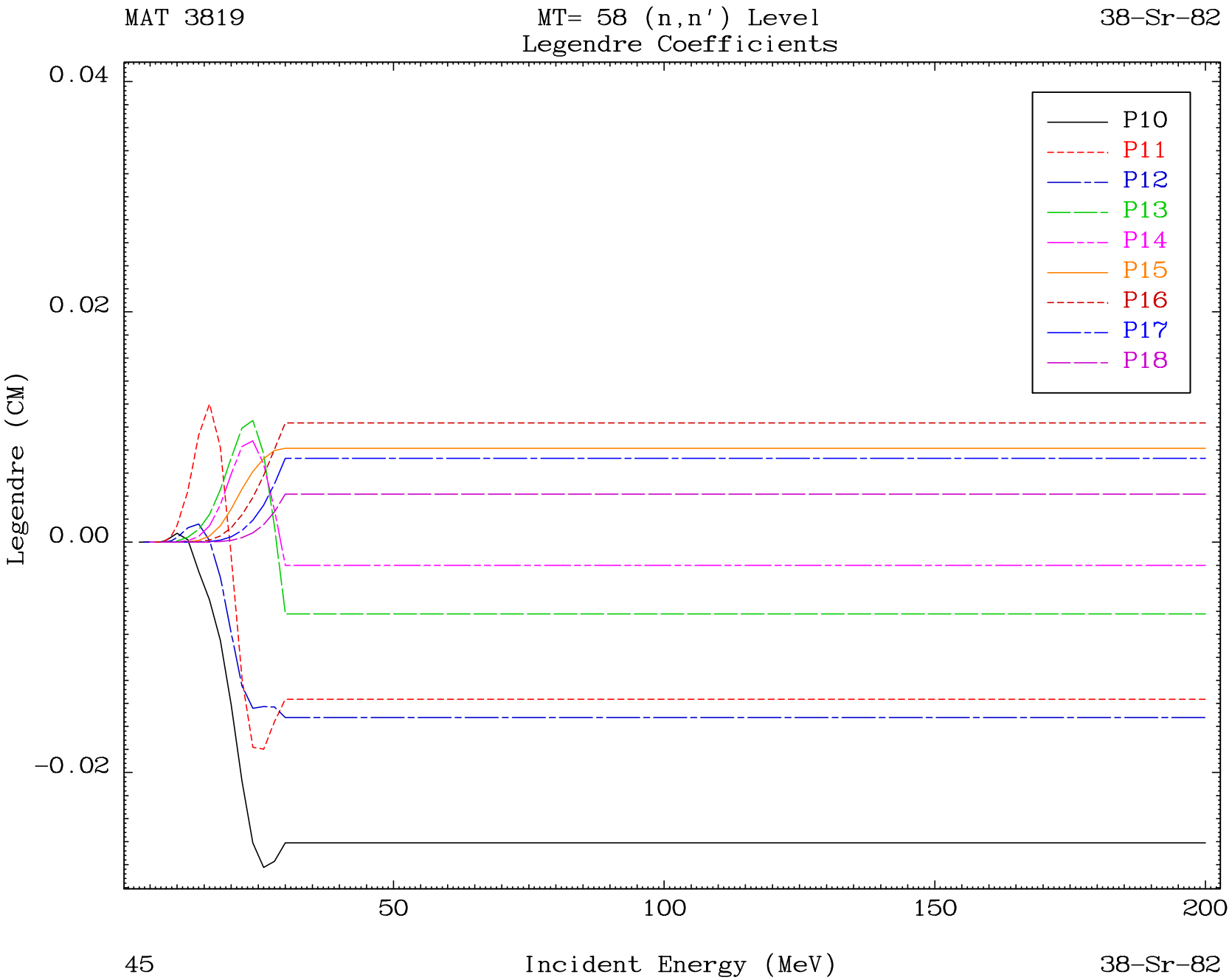

MAT 3819
MT= 57 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
38-Sr-82

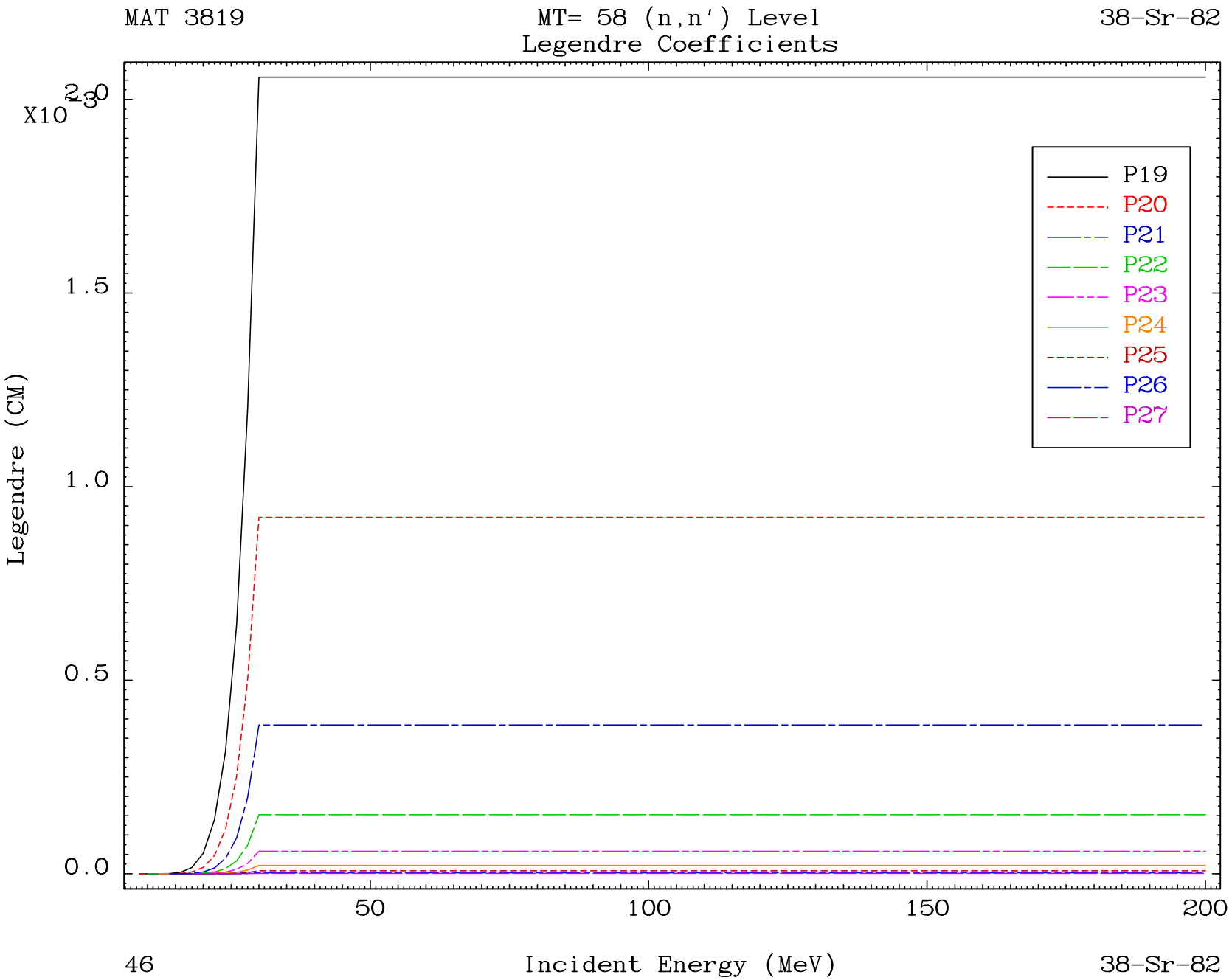

MAT 3819
MT= 57 (n,n') Level
Legendre Coefficients
38-Sr-82
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
38-Sr-82

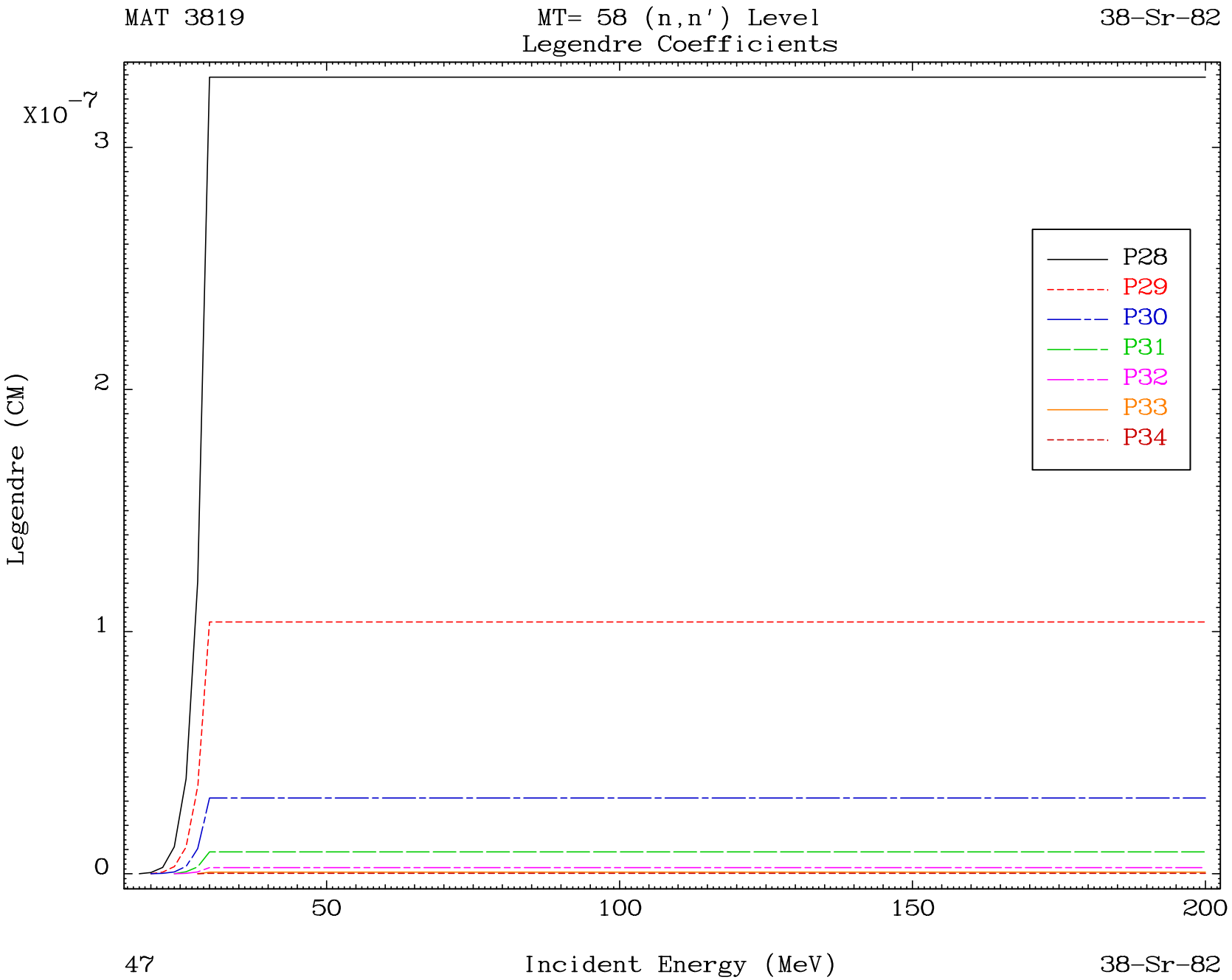

MAT 3819
MT= 57 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-4
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
42
Incident Energy (MeV)
38-Sr-82

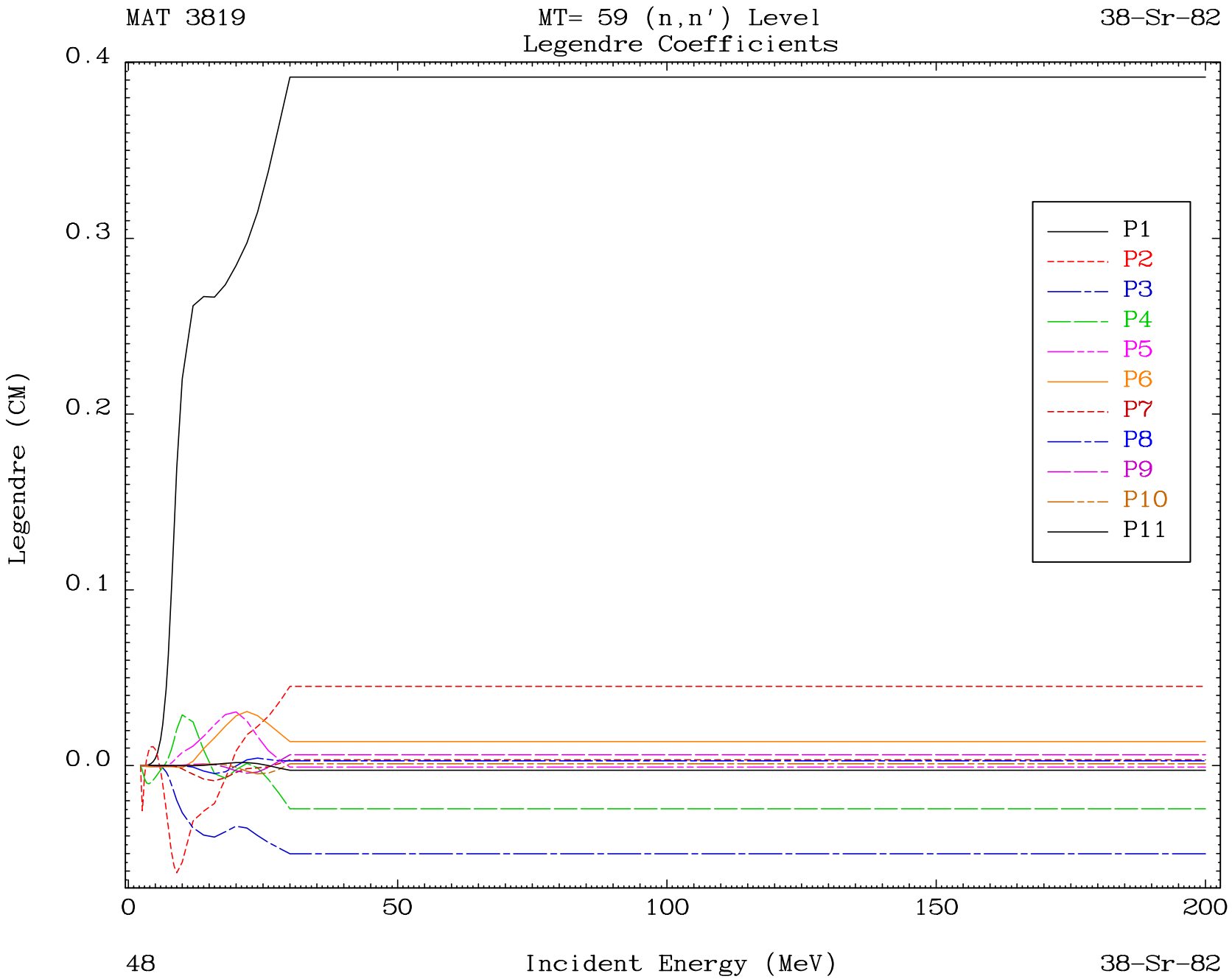

MAT 3819
MT= 57 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
43
Incident Energy (MeV)
38-Sr-82

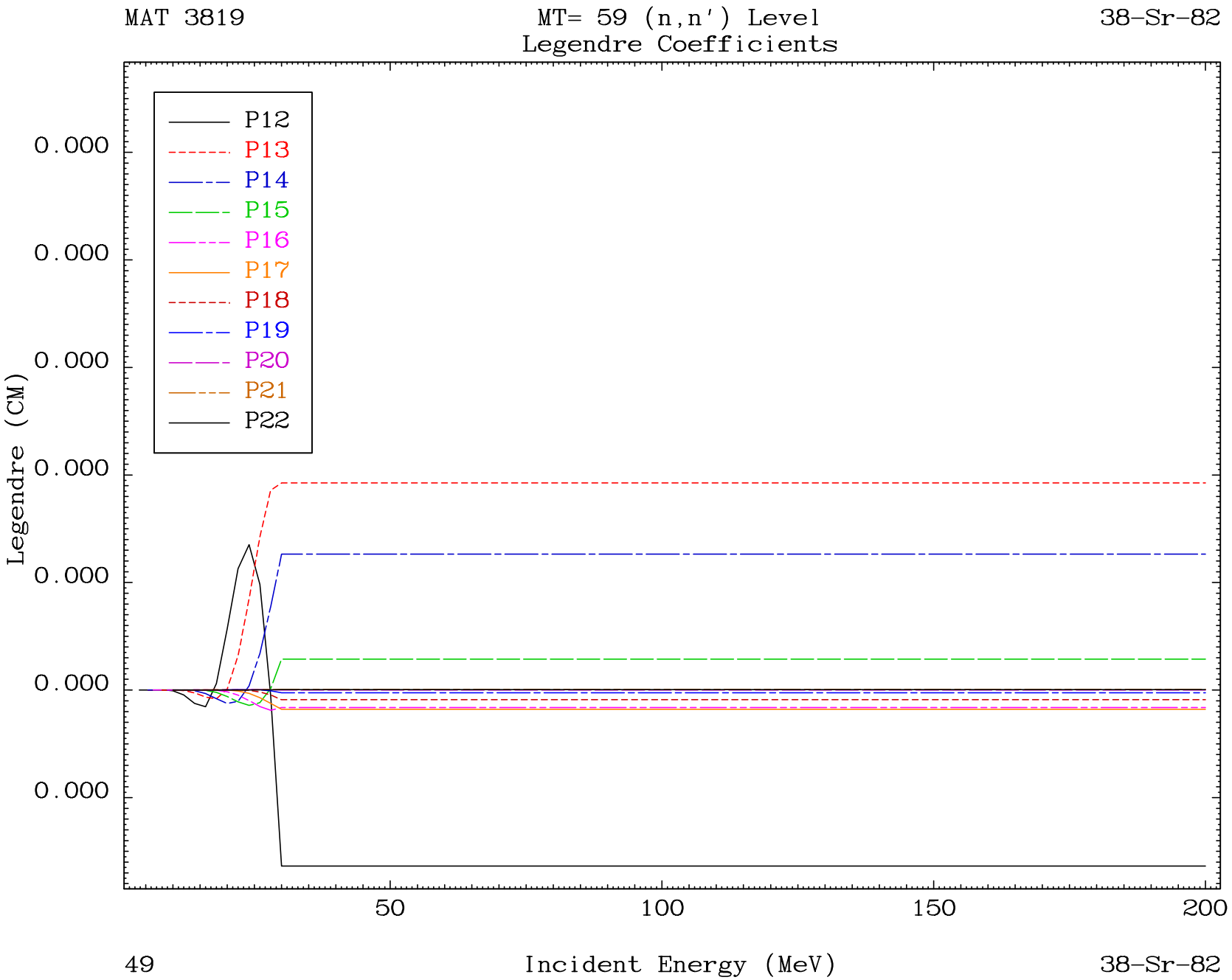

MAT 3819
MT= 58 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
38-Sr-82

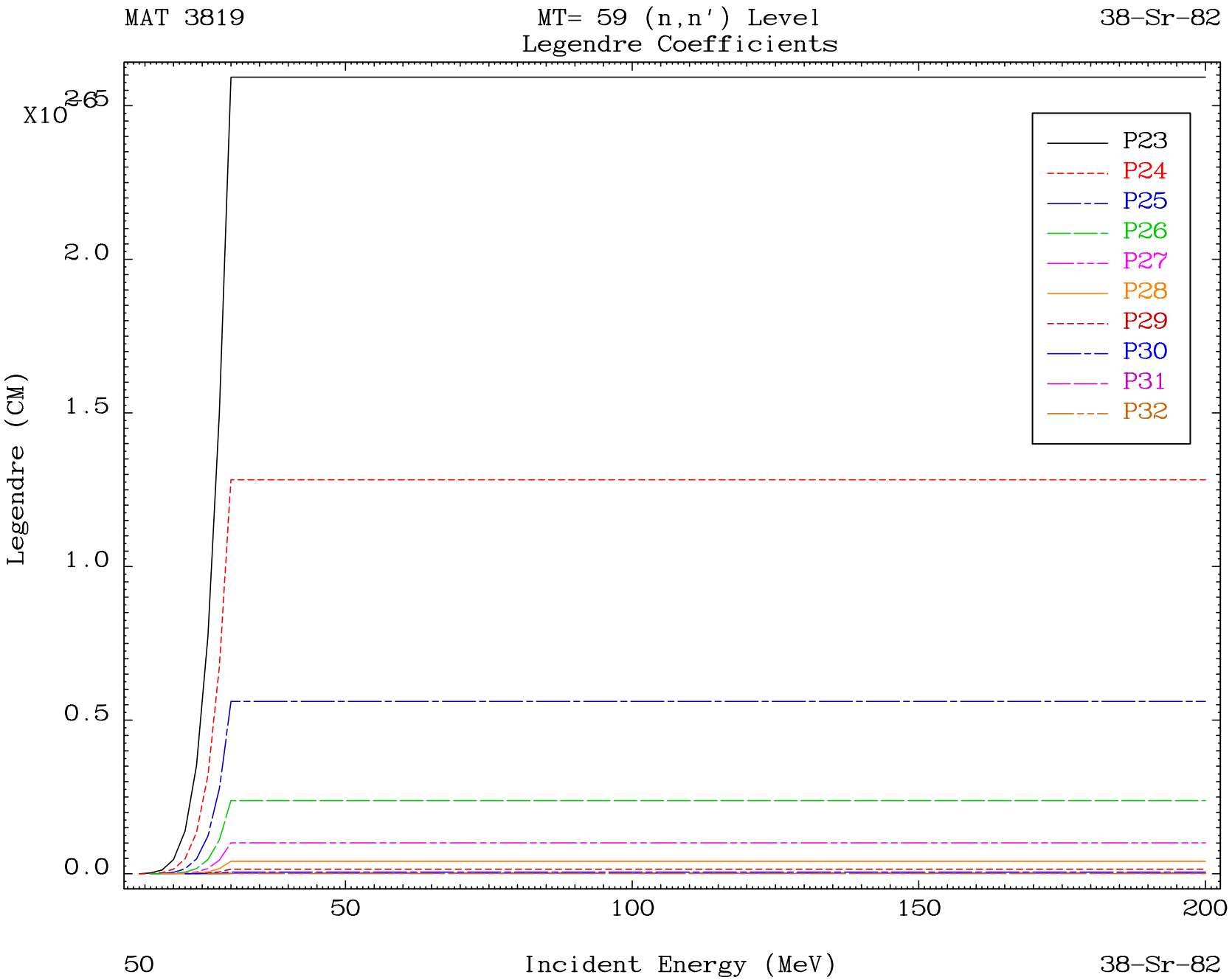

MAT 3819
MT= 58 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
45
Incident Energy (MeV)
38-Sr-82

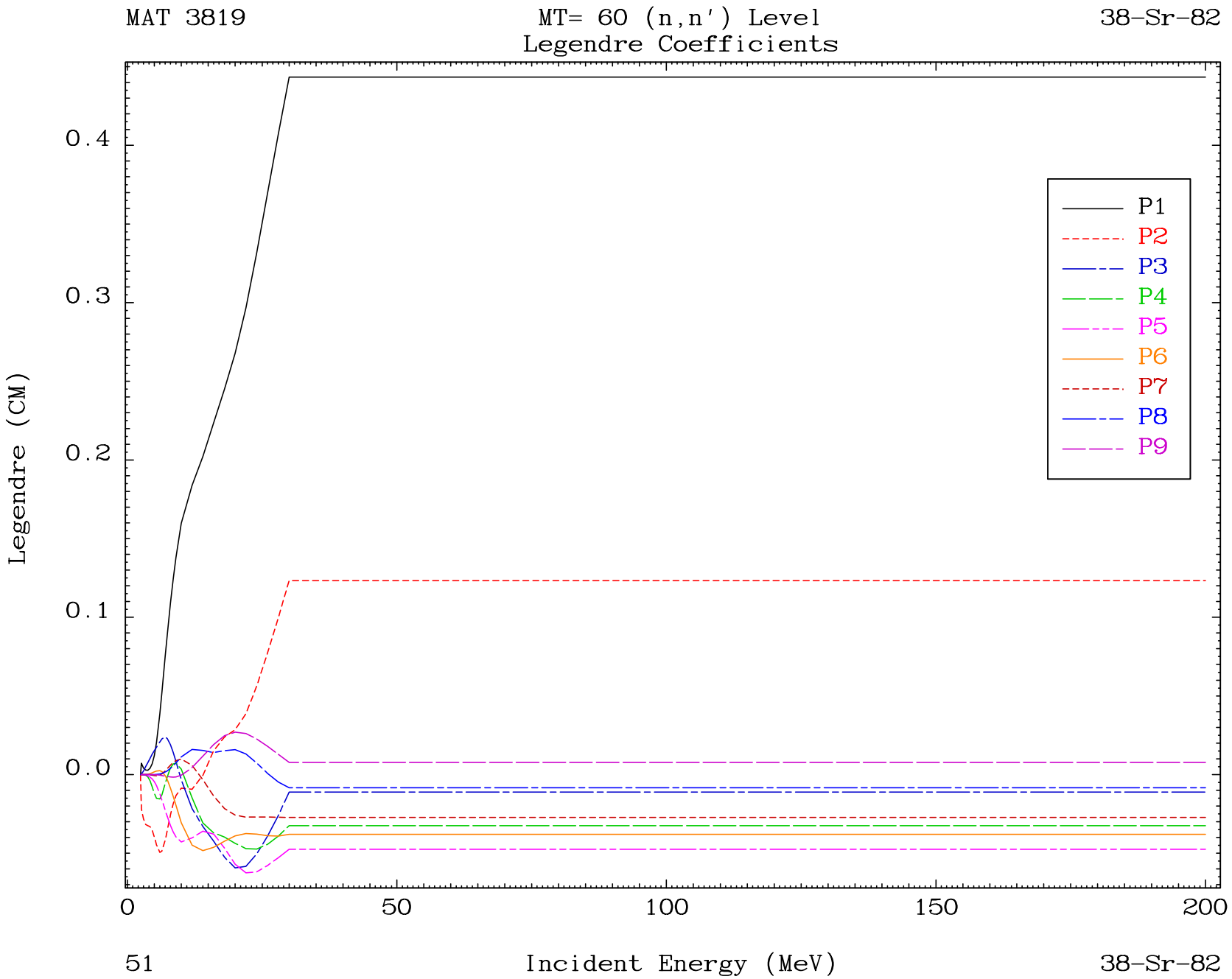

MAT 3819
MT= 58 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
46
Incident Energy (MeV)
38-Sr-82

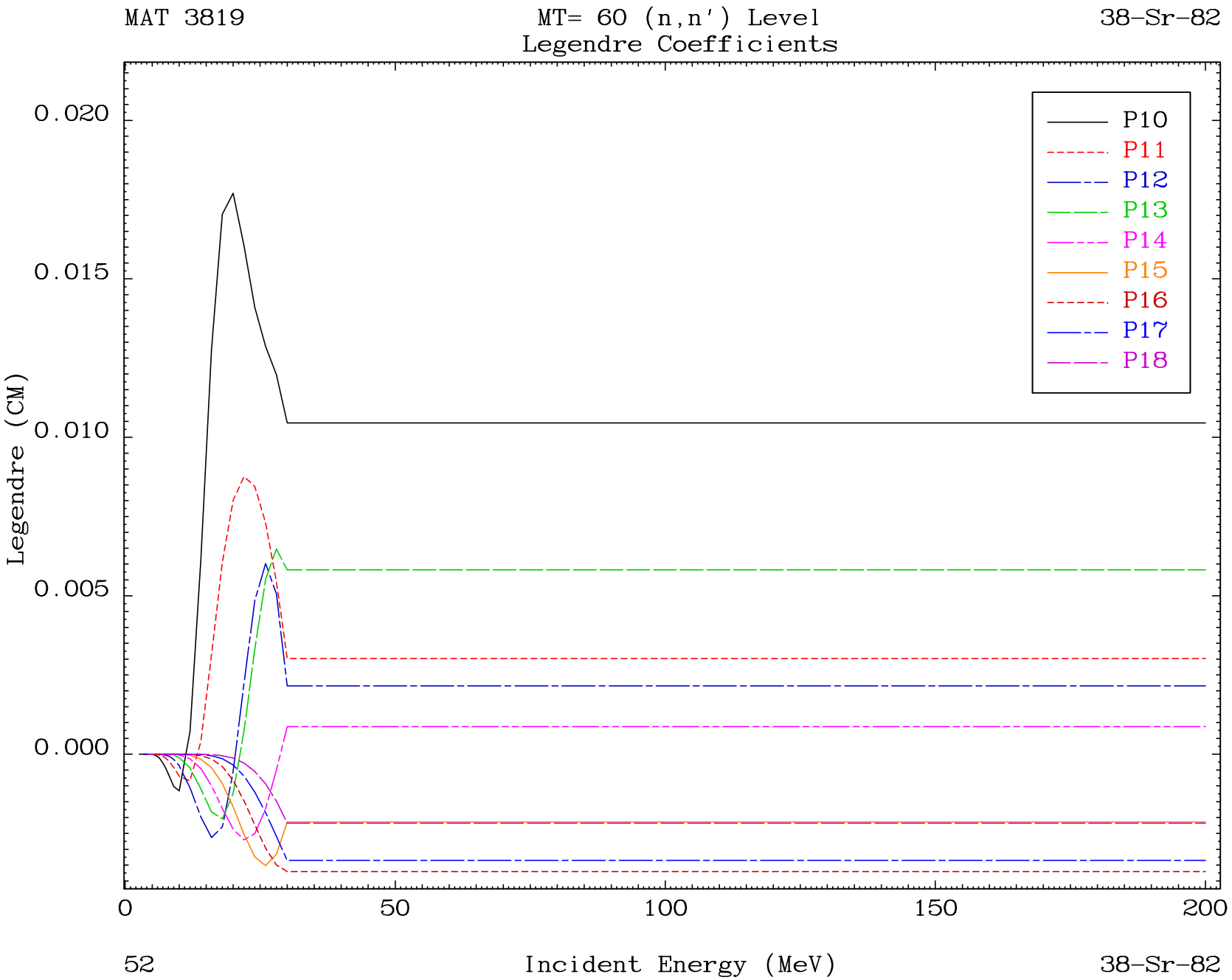

MAT 3819
MT= 58 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
47
Incident Energy (MeV)
38-Sr-82

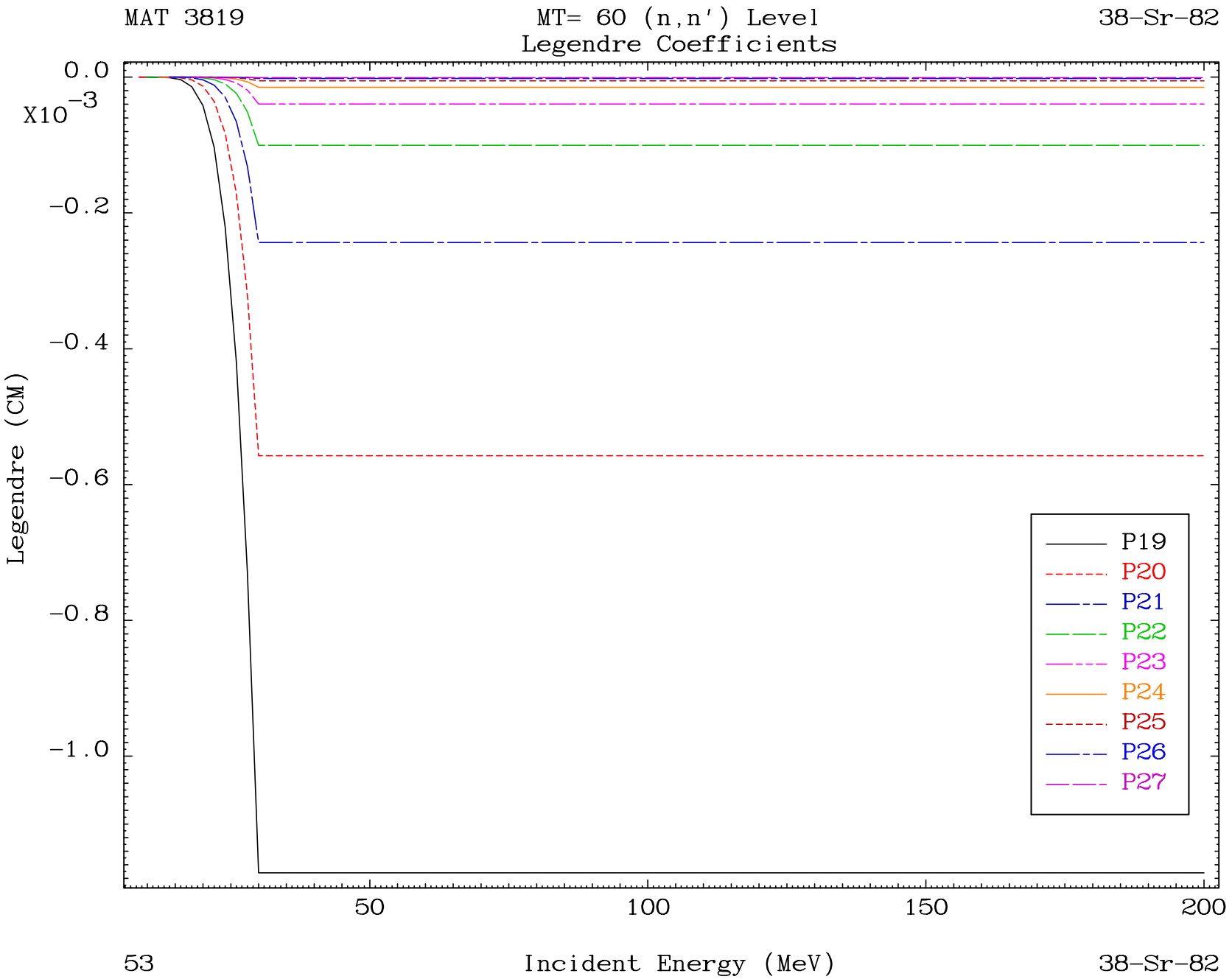

MAT 3819
MT= 59 (n,n') Level
Legendre Coefficients
38-Sr-82
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
48
Incident Energy (MeV)
38-Sr-82

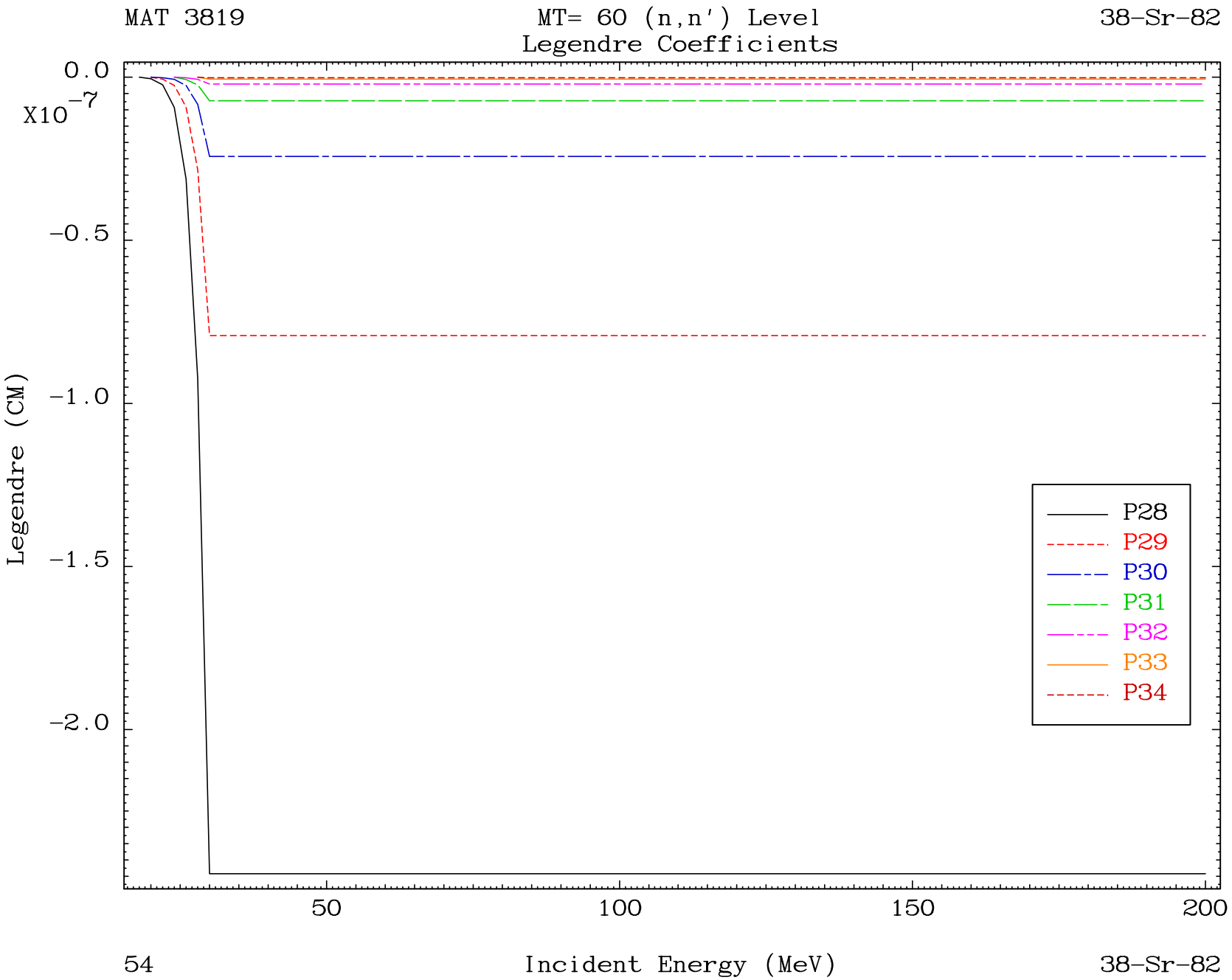

MAT 3819
MT= 59 (n,n') Level
Legendre Coefficients
38-Sr-82
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.000
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
38-Sr-82

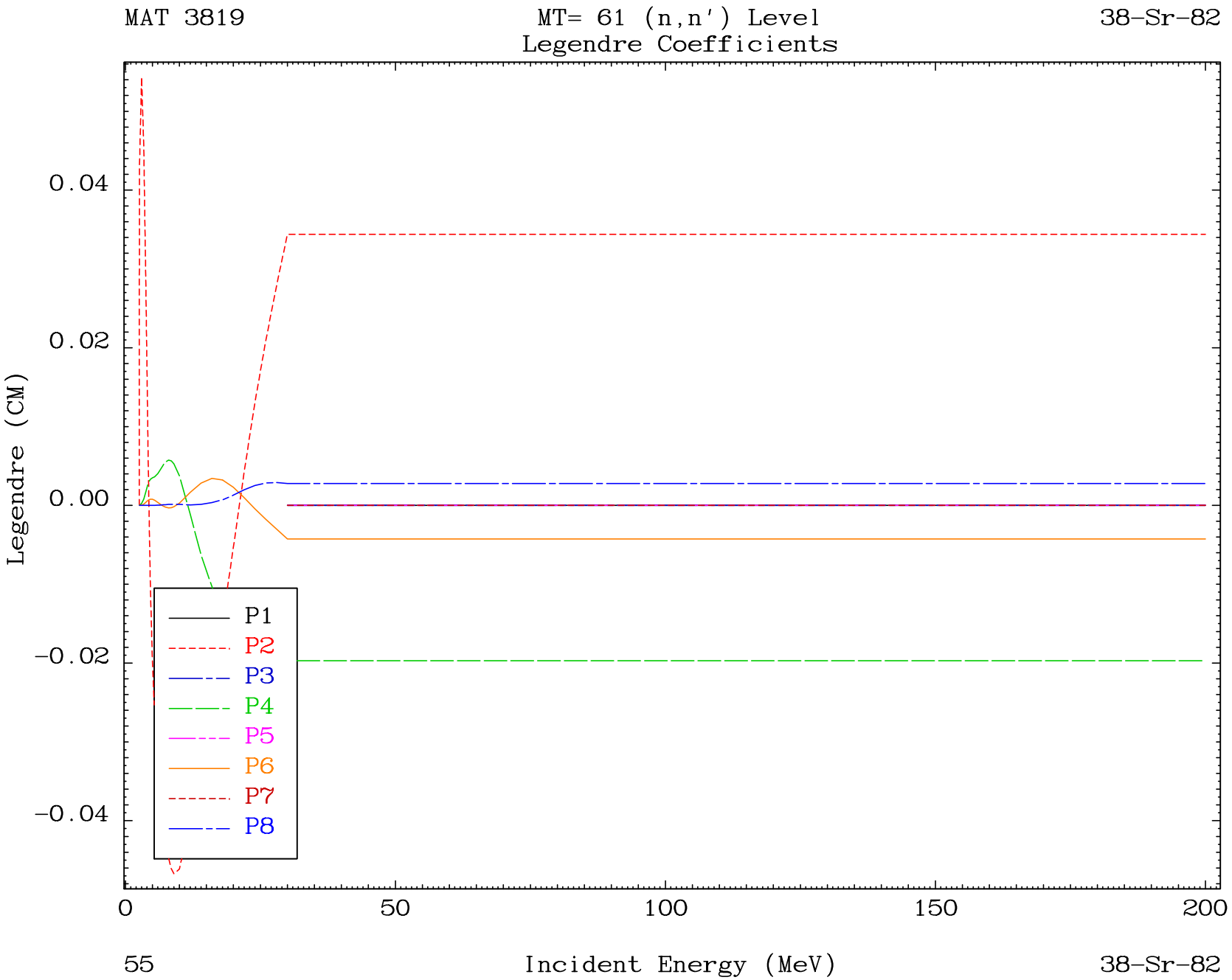

MAT 3819
MT= 59 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-25
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
50
Incident Energy (MeV)
38-Sr-82

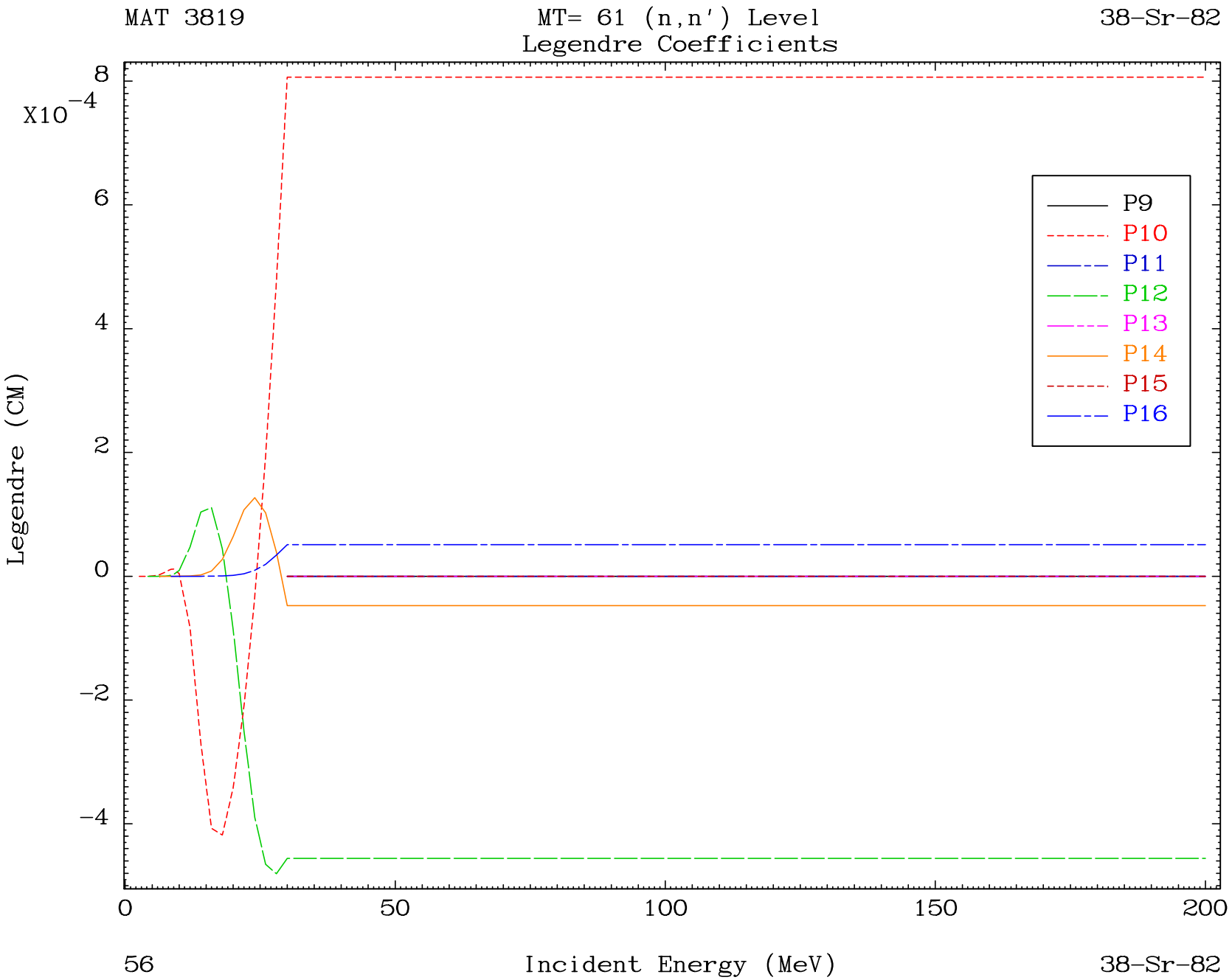

MAT 3819
MT= 60 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
51
Incident Energy (MeV)
38-Sr-82

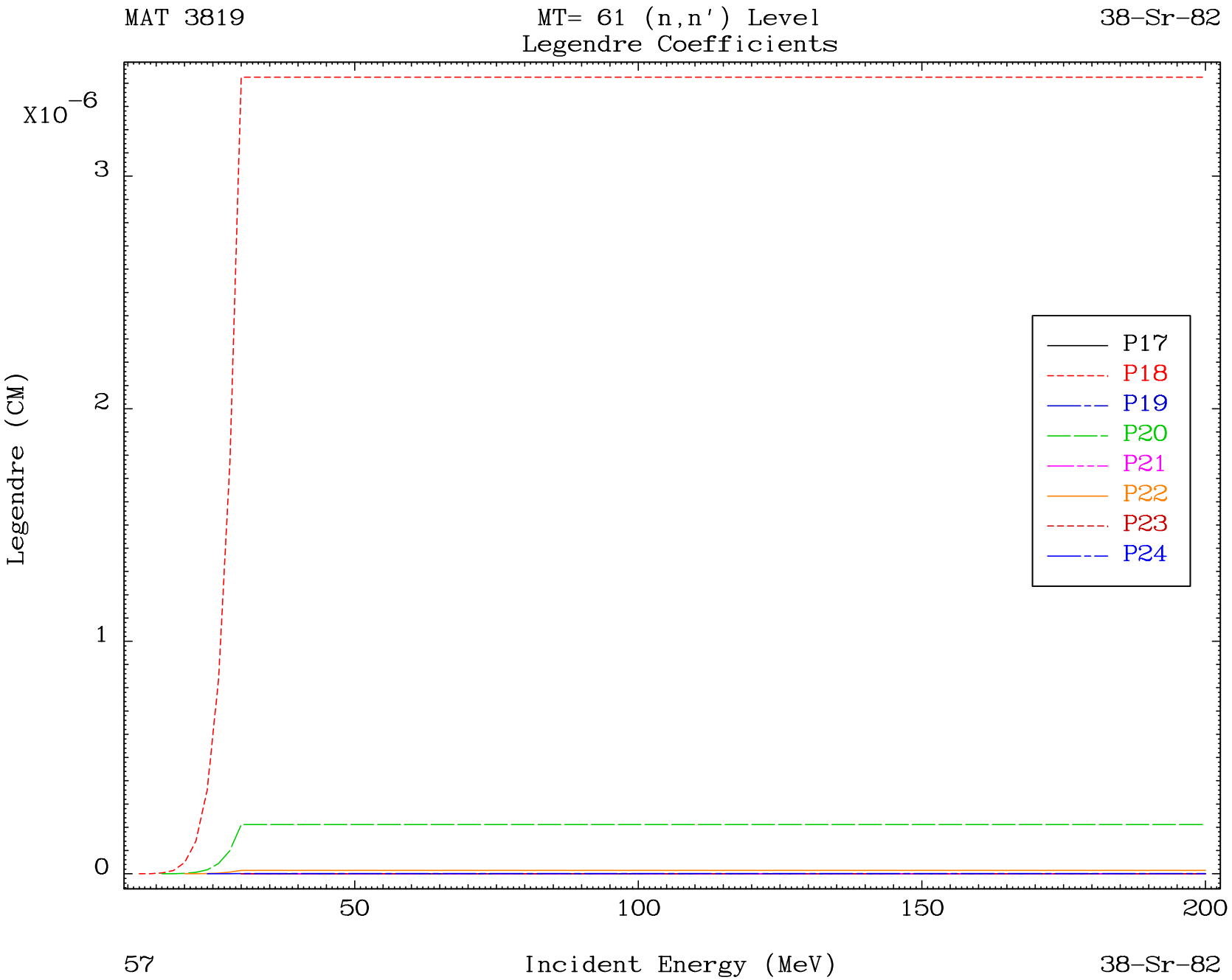

MAT 3819
MT= 60 (n,n') Level
Legendre Coefficients
38-Sr-82
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
52
Incident Energy (MeV)
38-Sr-82

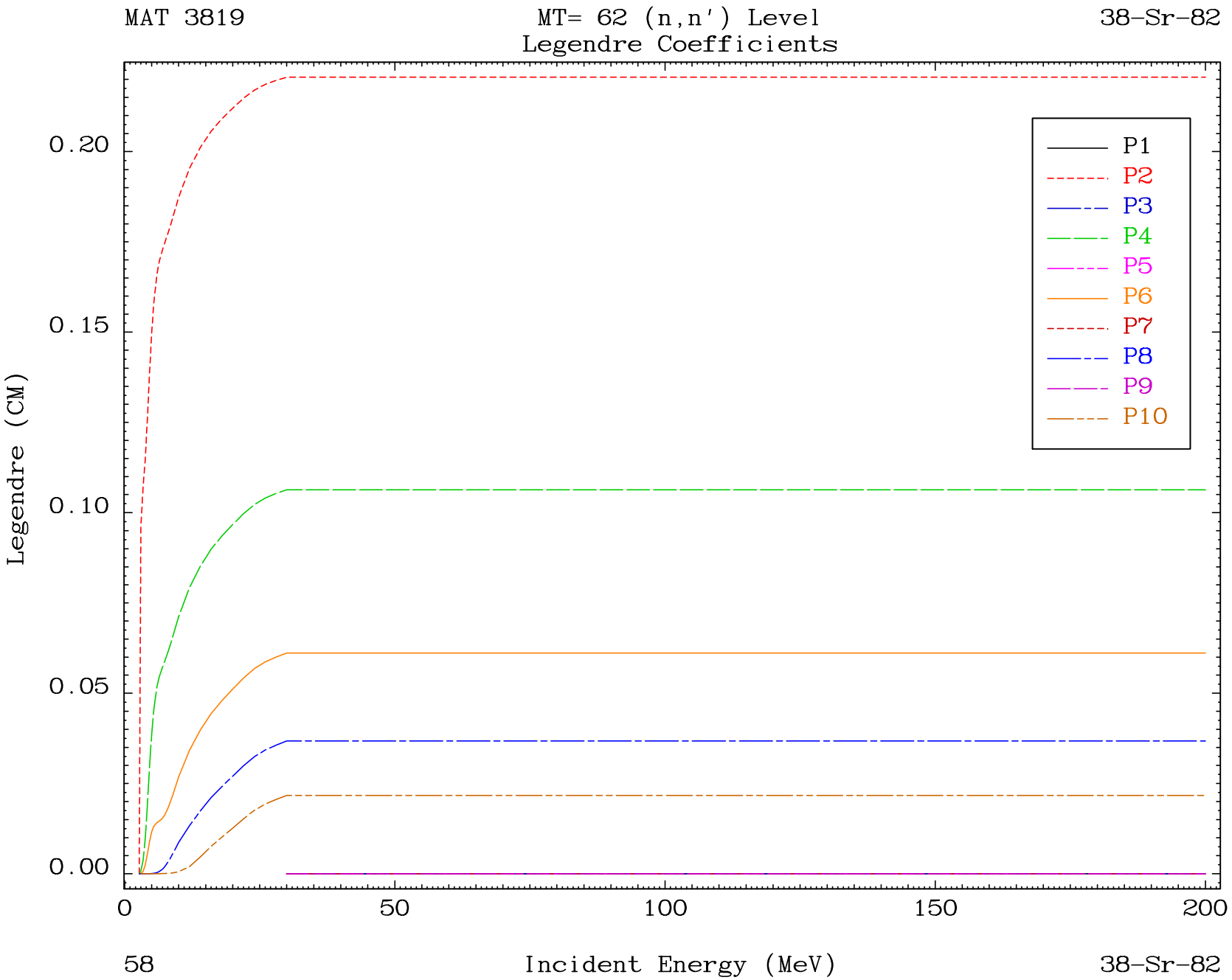

MAT 3819
MT= 60 (n,n') Level
Legendre Coefficients
38-Sr-82
0.0
X10^-3
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
38-Sr-82
P19
P20
P21
P22
P23
P24
P25
P26
P27

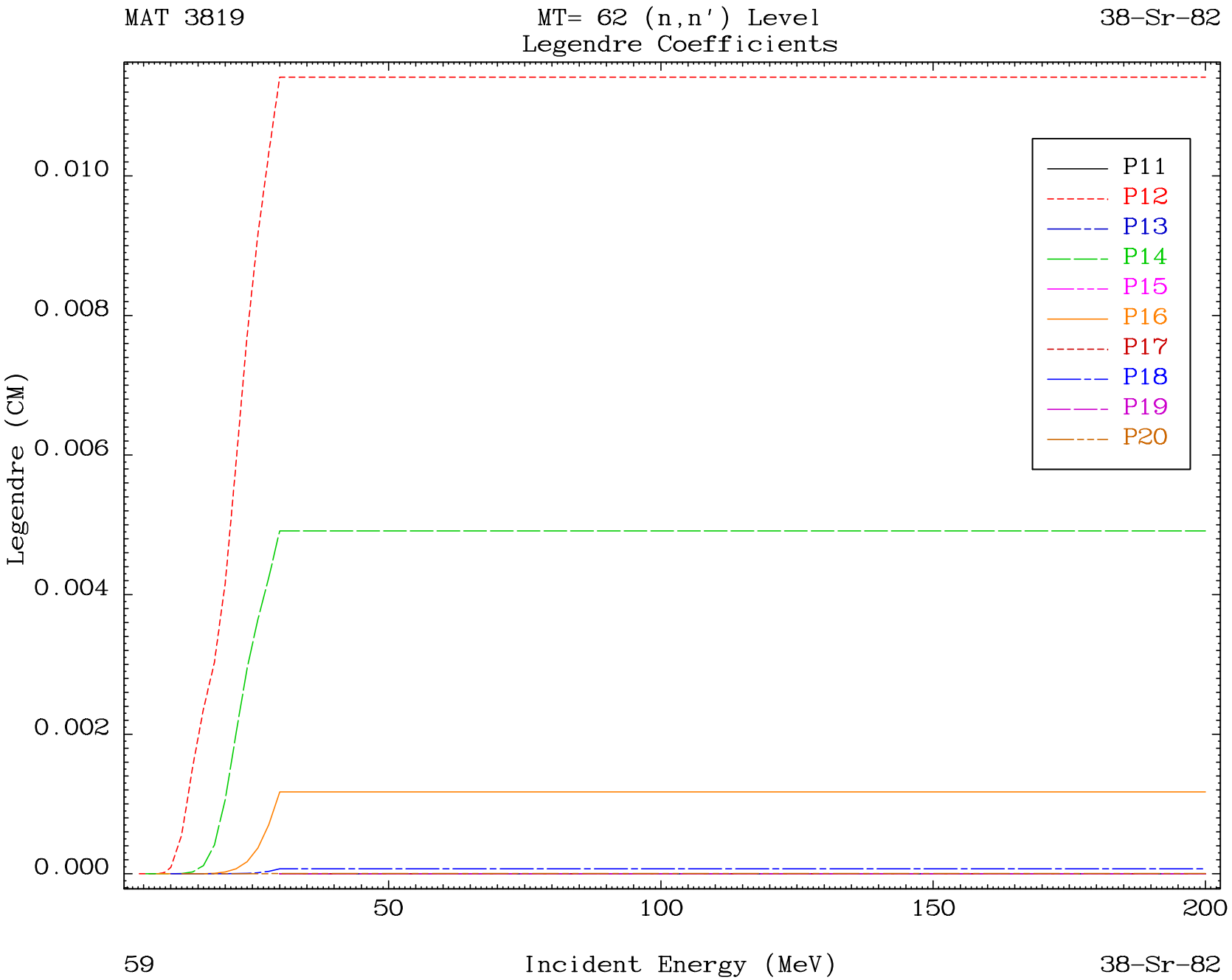

MAT 3819
MT= 60 (n,n') Level
Legendre Coefficients
38-Sr-82
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
38-Sr-82
P28
P29
P30
P31
P32
P33
P34

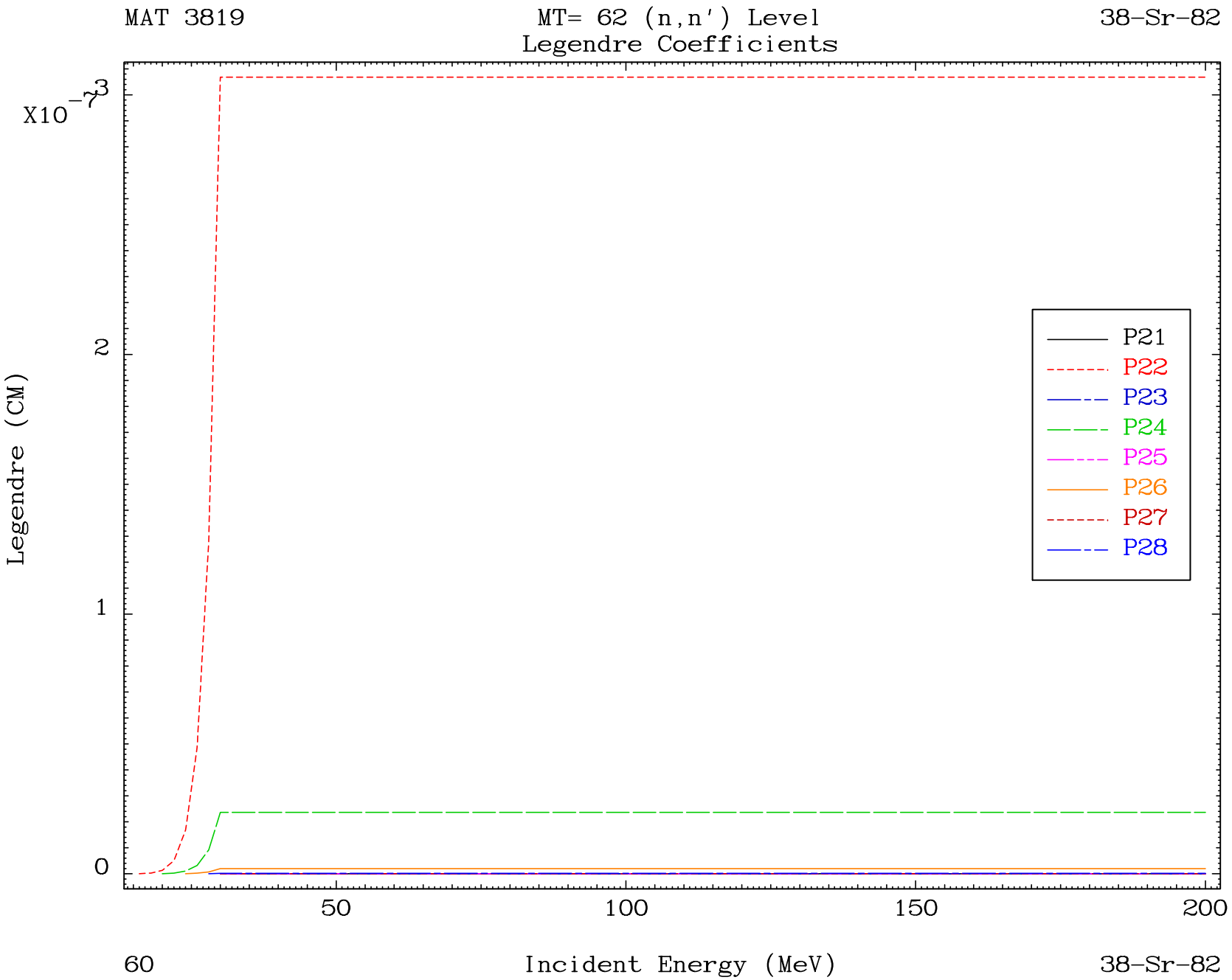

MAT 3819
MT= 61 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
55
Incident Energy (MeV)
38-Sr-82

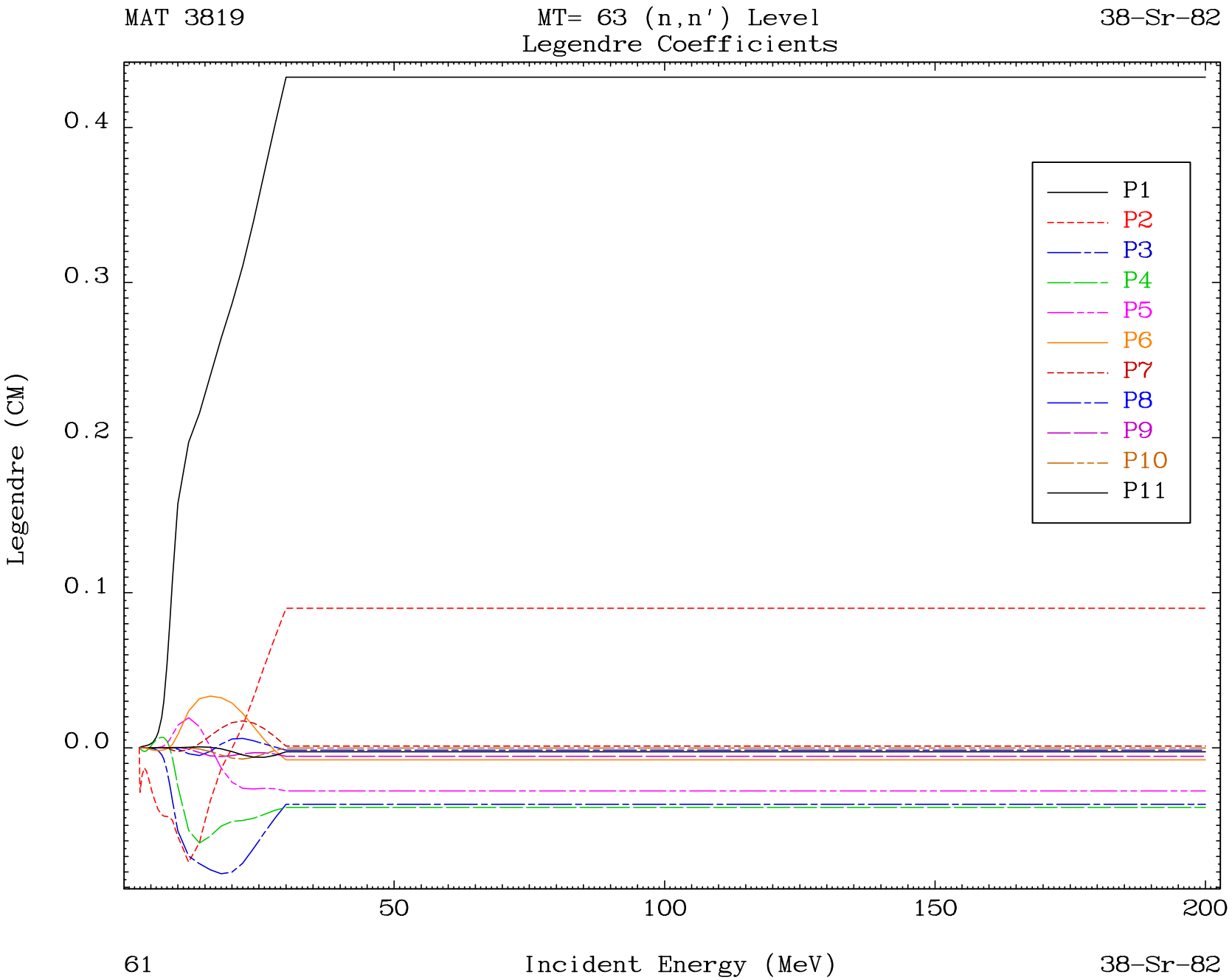

MAT 3819
MT= 61 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-4
8
6
4
2
0
-2
-4
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
56
Incident Energy (MeV)
38-Sr-82

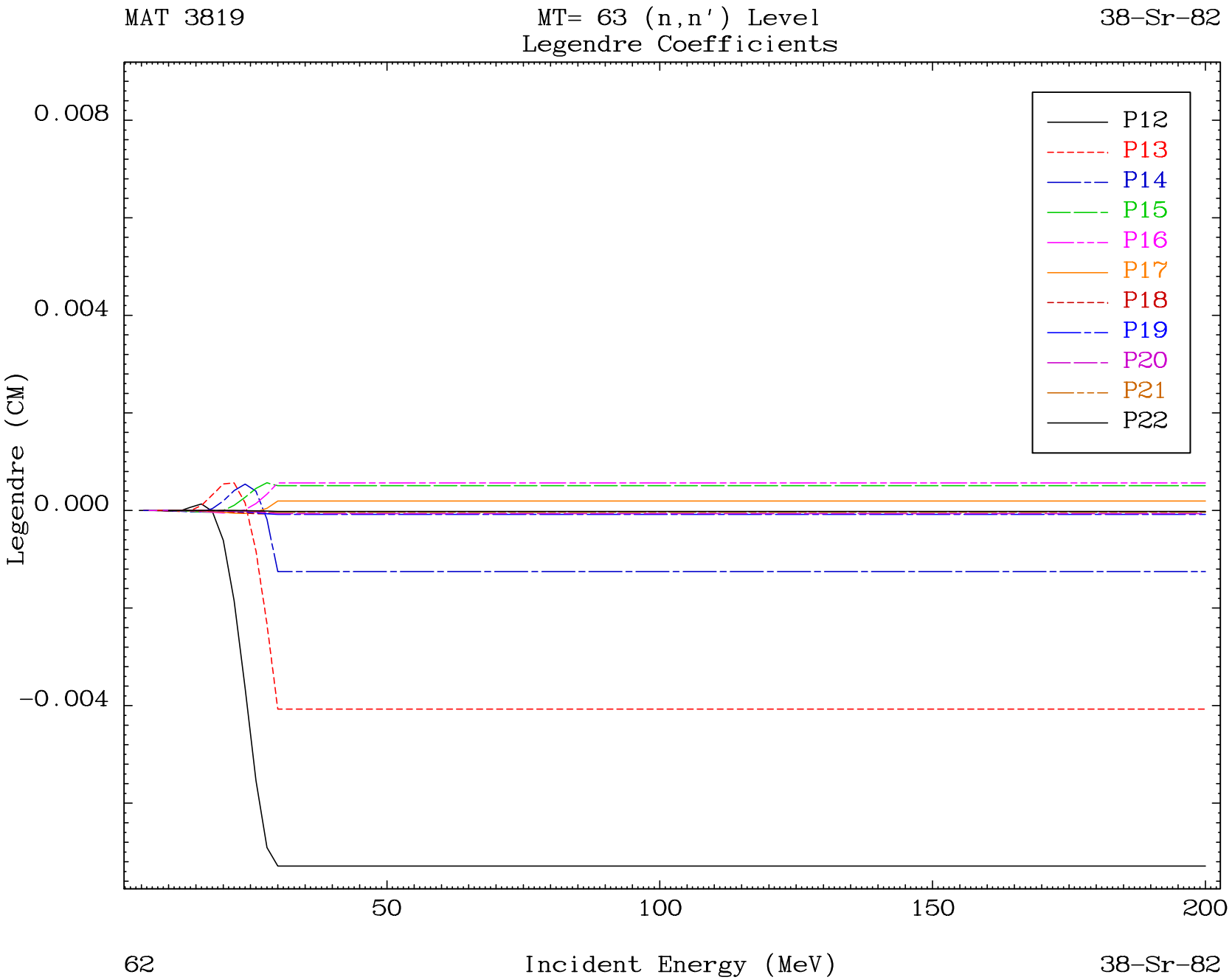

MAT 3819
MT= 61 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-6
3
2
1
0
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
38-Sr-82
P17
P18
P19
P20
P21
P22
P23
P24

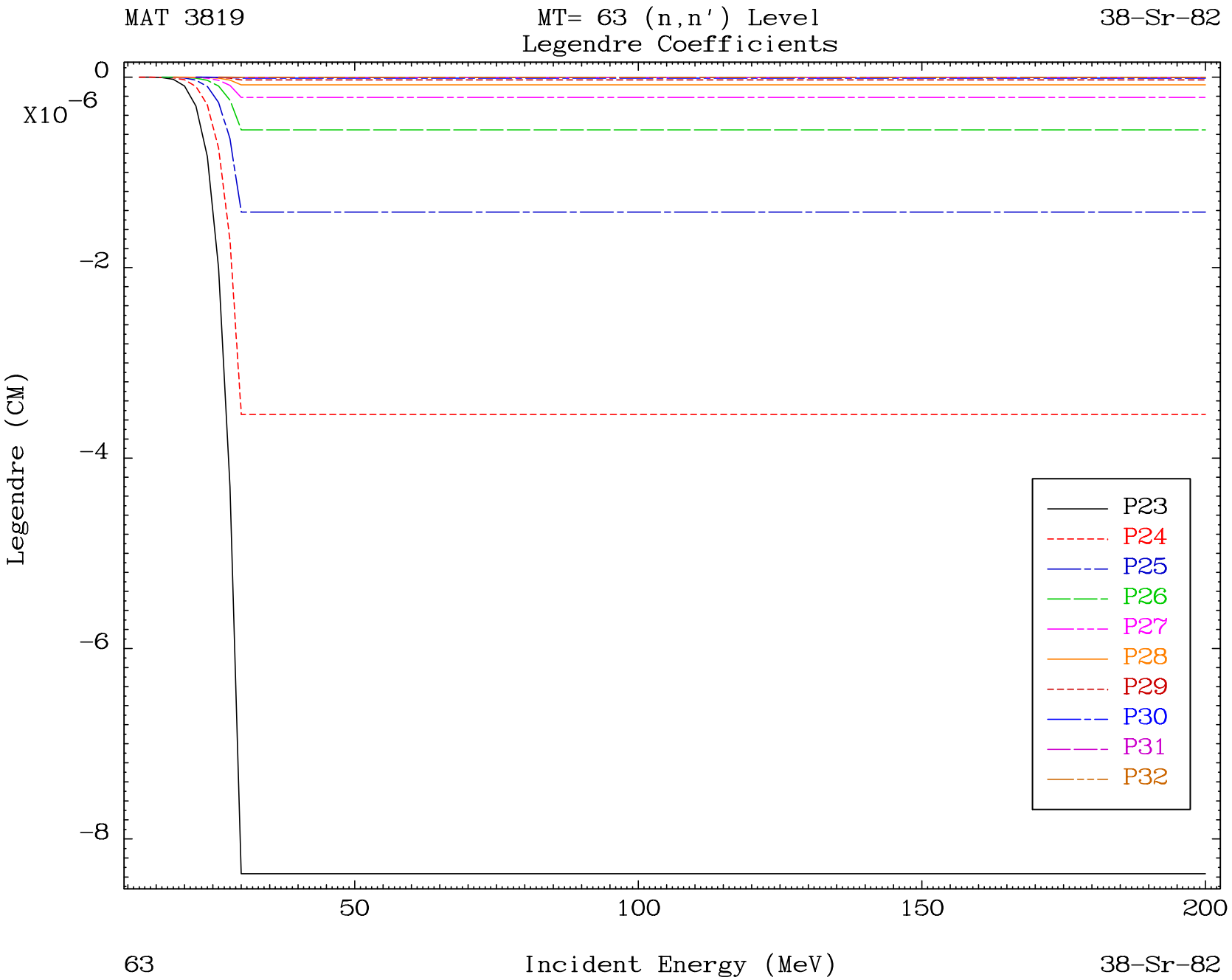

MAT 3819
MT= 62 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
58
Incident Energy (MeV)
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

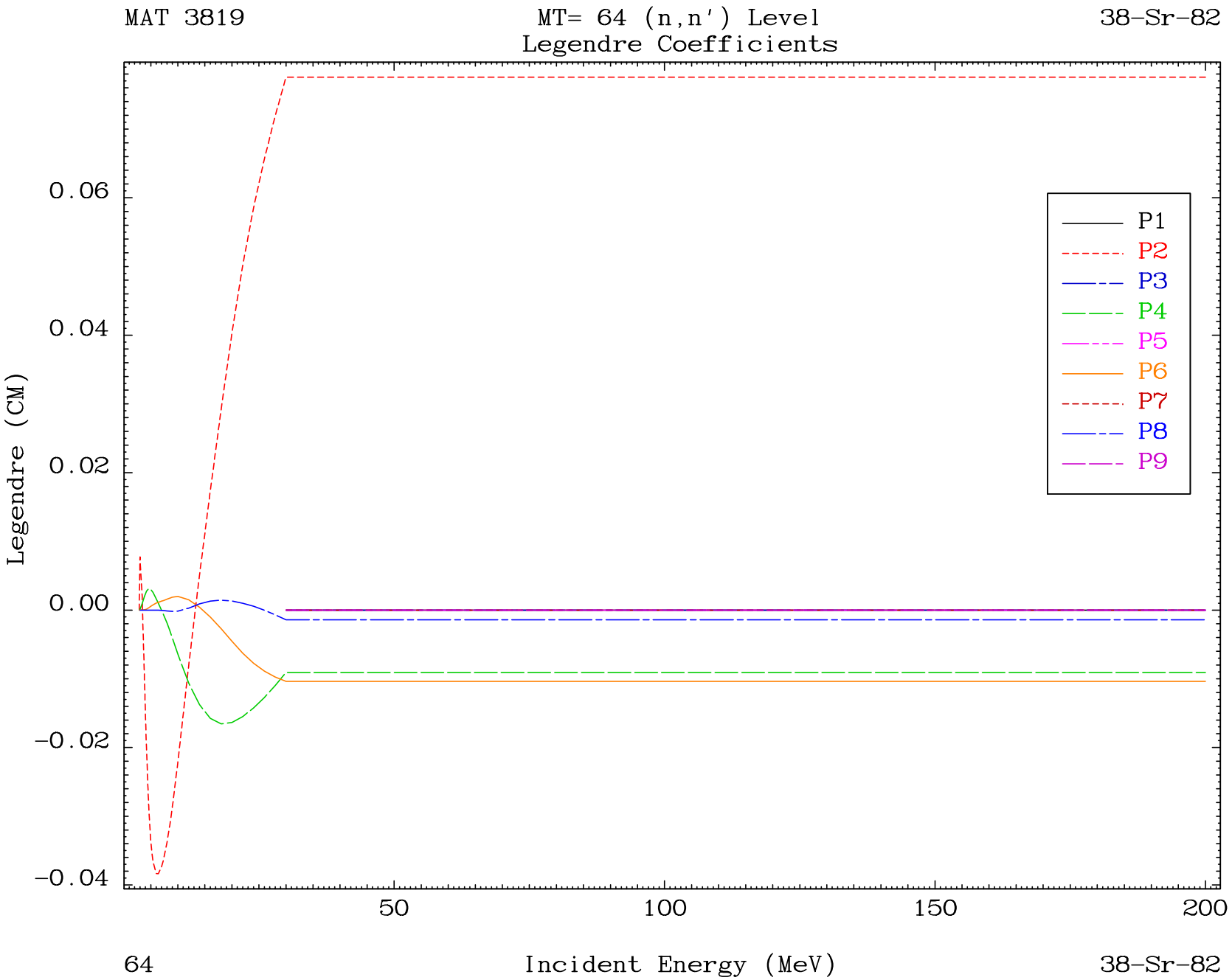

MAT 3819
MT= 62 (n,n') Level
Legendre Coefficients
38-Sr-82
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
59
Incident Energy (MeV)
38-Sr-82

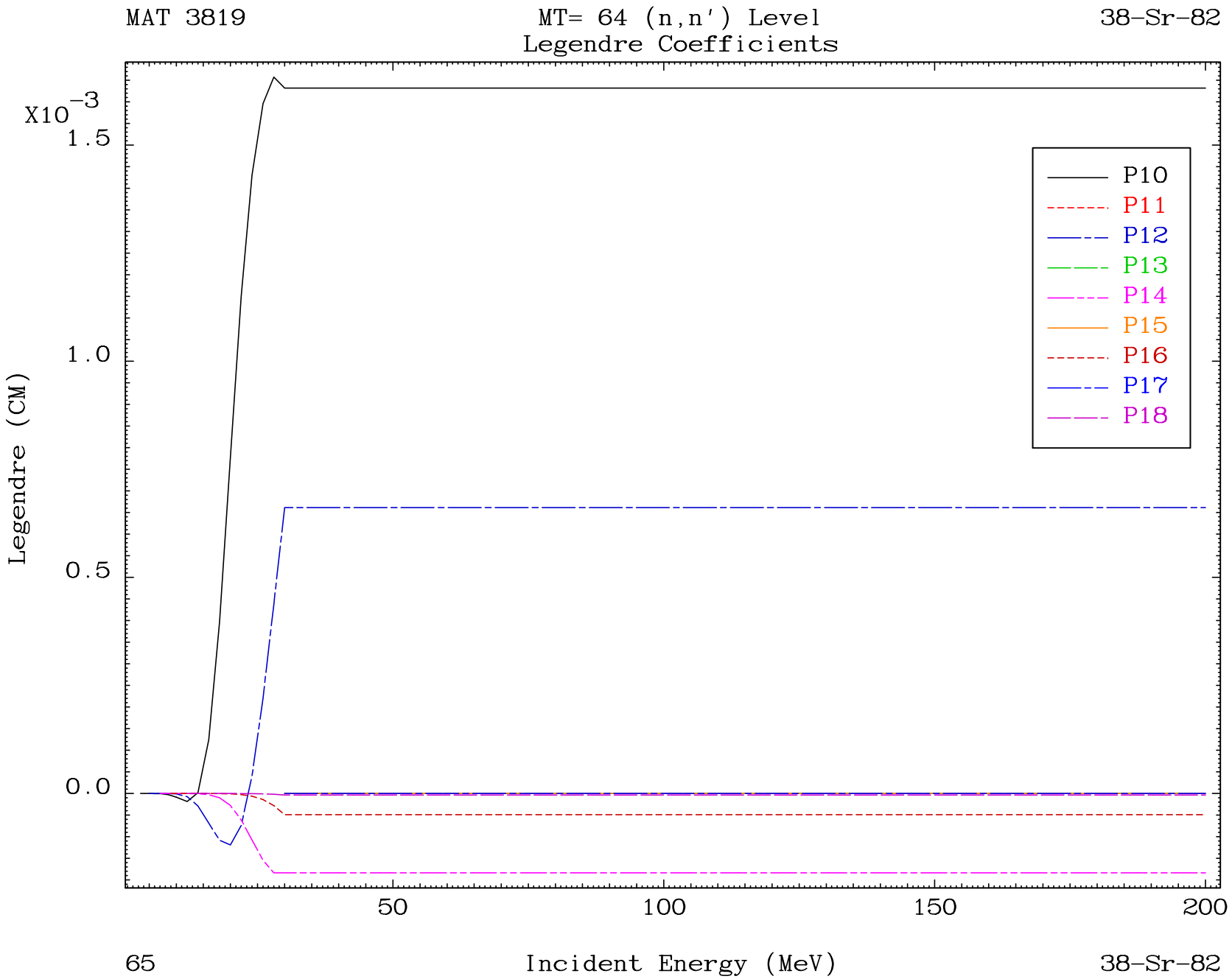

MAT 3819
MT= 62 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
60
Incident Energy (MeV)
38-Sr-82

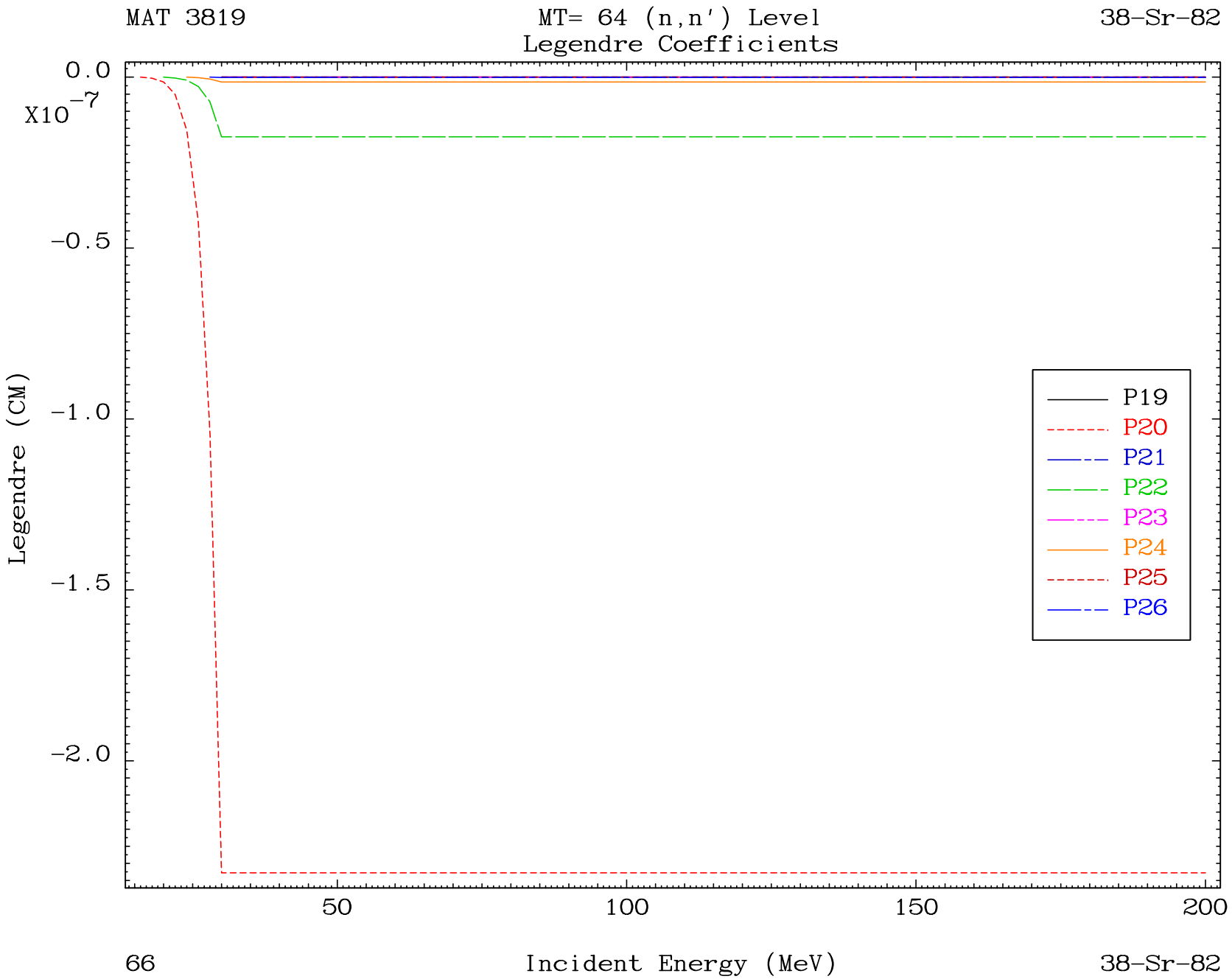

MAT 3819
MT= 63 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
61
Incident Energy (MeV)
38-Sr-82

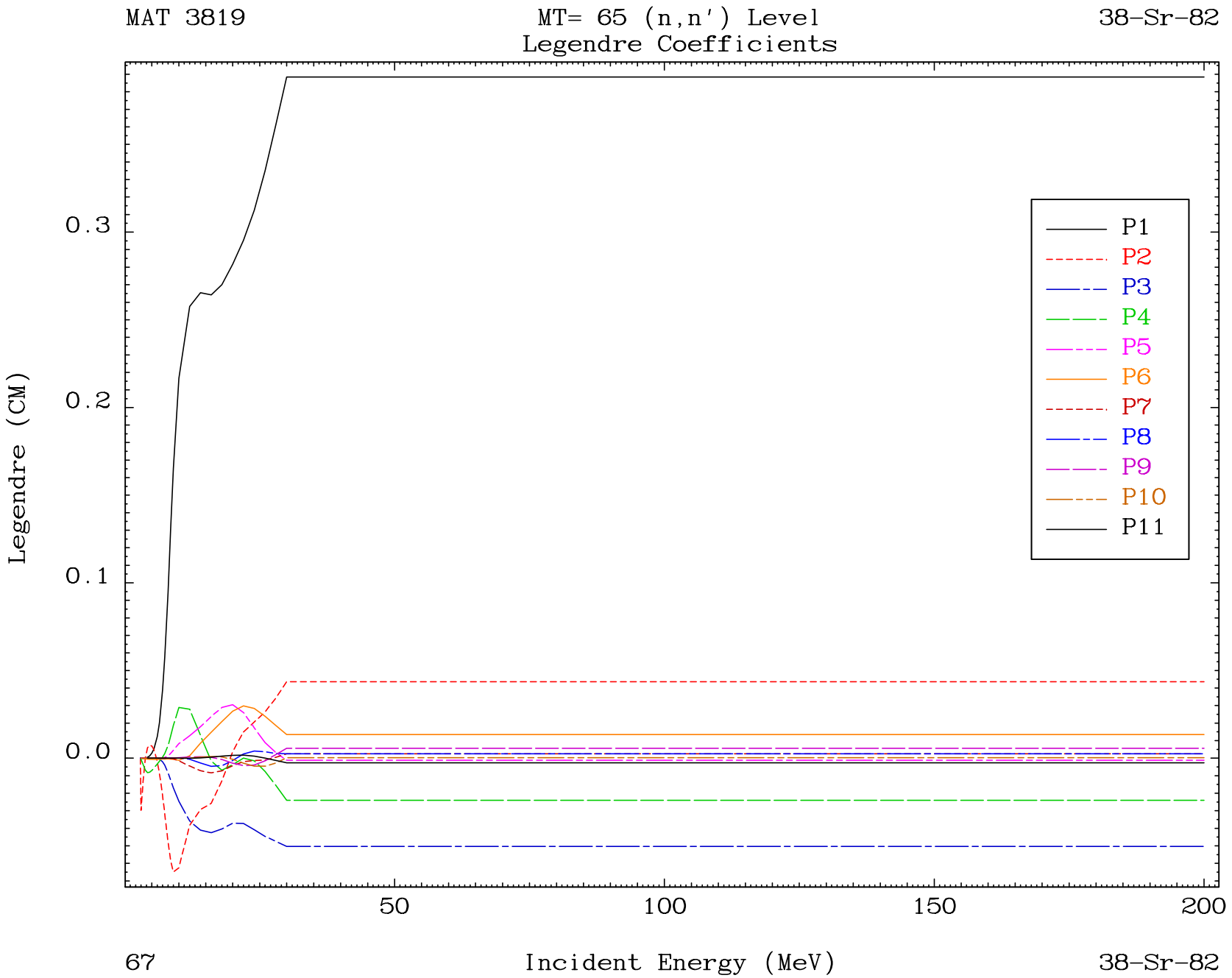

MAT 3819
MT= 63 (n,n') Level
Legendre Coefficients
38-Sr-82
0.008
0.004
0.000
-0.004
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
62
Incident Energy (MeV)
38-Sr-82

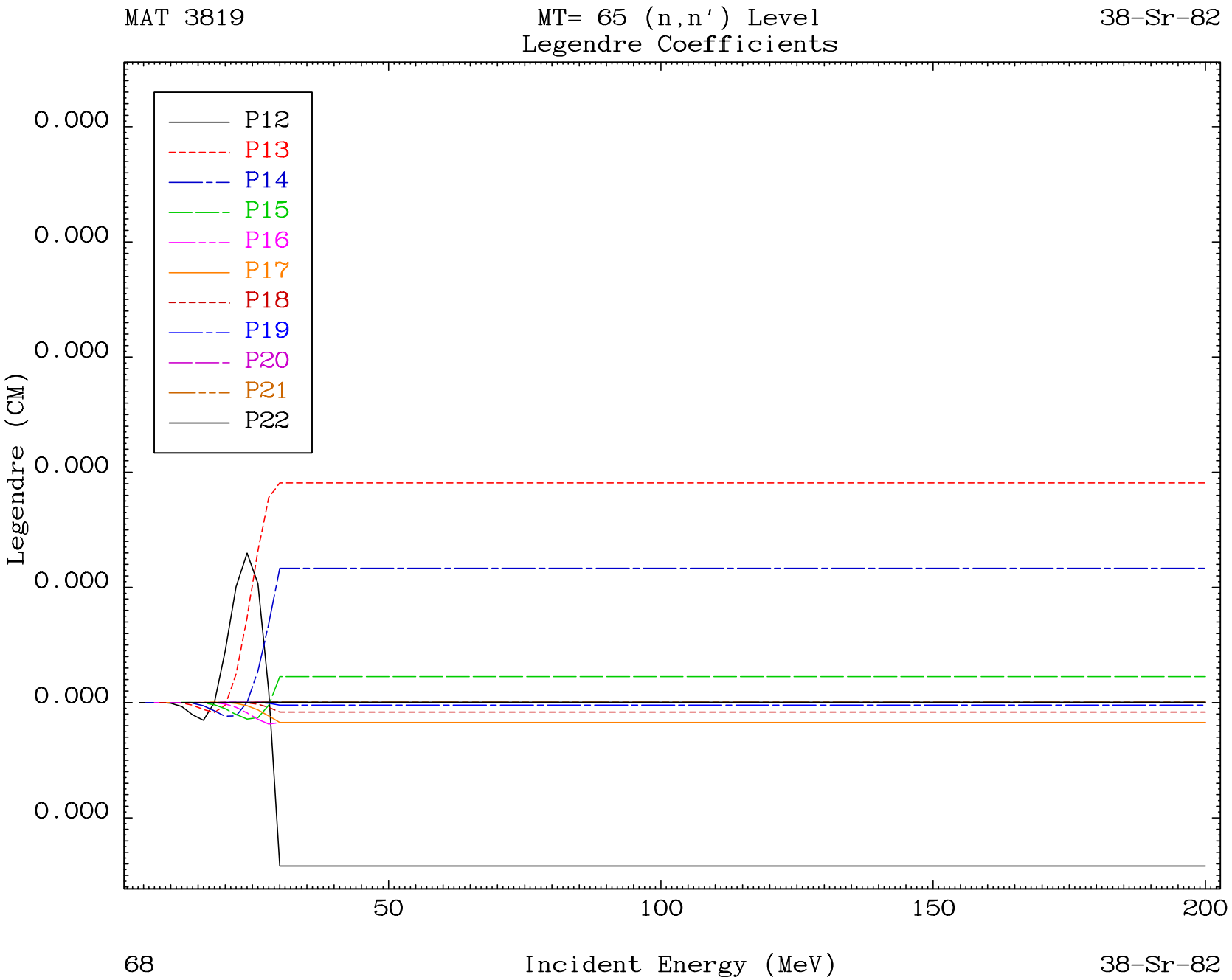

MAT 3819
MT= 63 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 −6
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
38-Sr-82
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

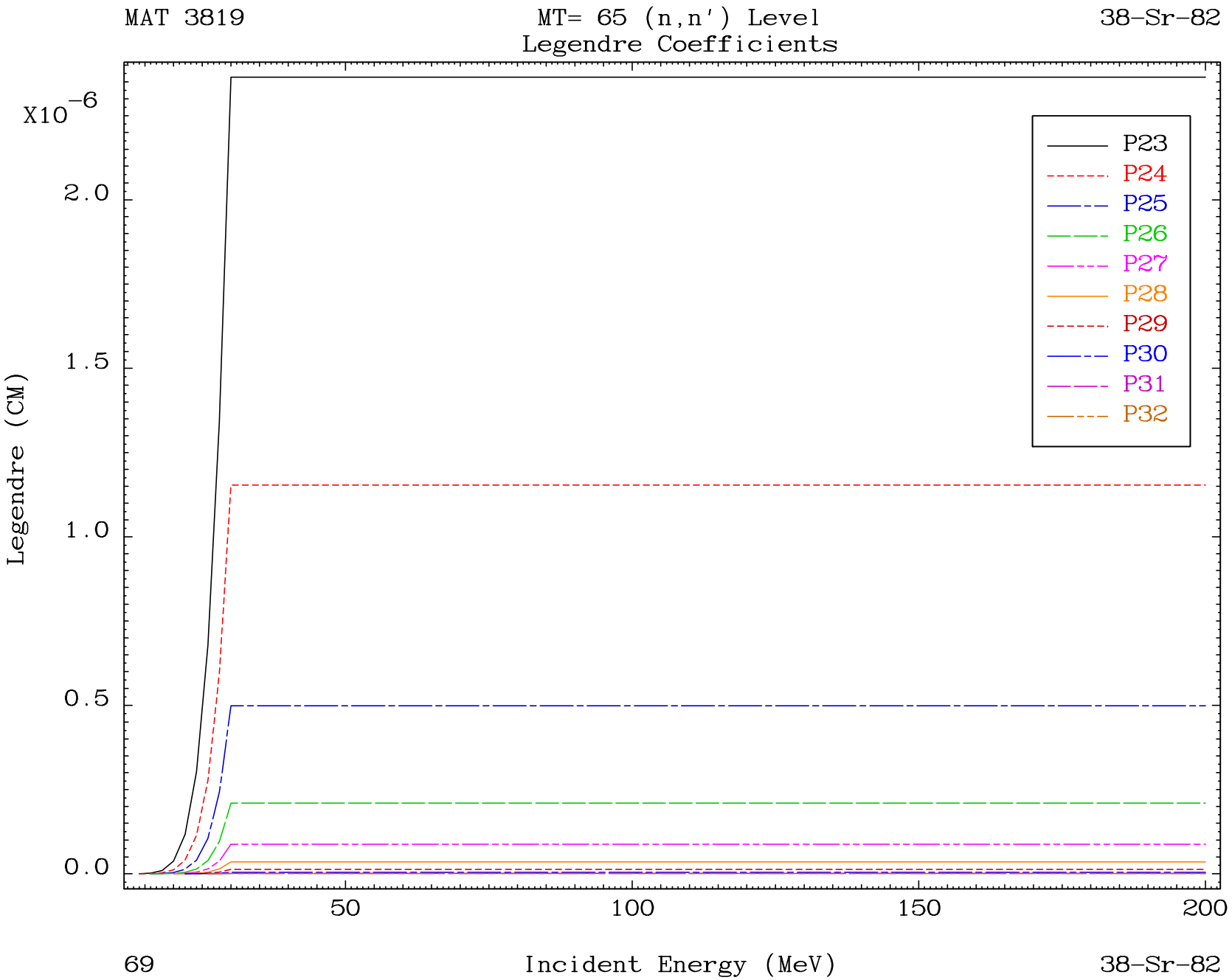

MAT 3819
MT= 64 (n,n') Level
Legendre Coefficients
38-Sr-82
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
64
Incident Energy (MeV)
38-Sr-82

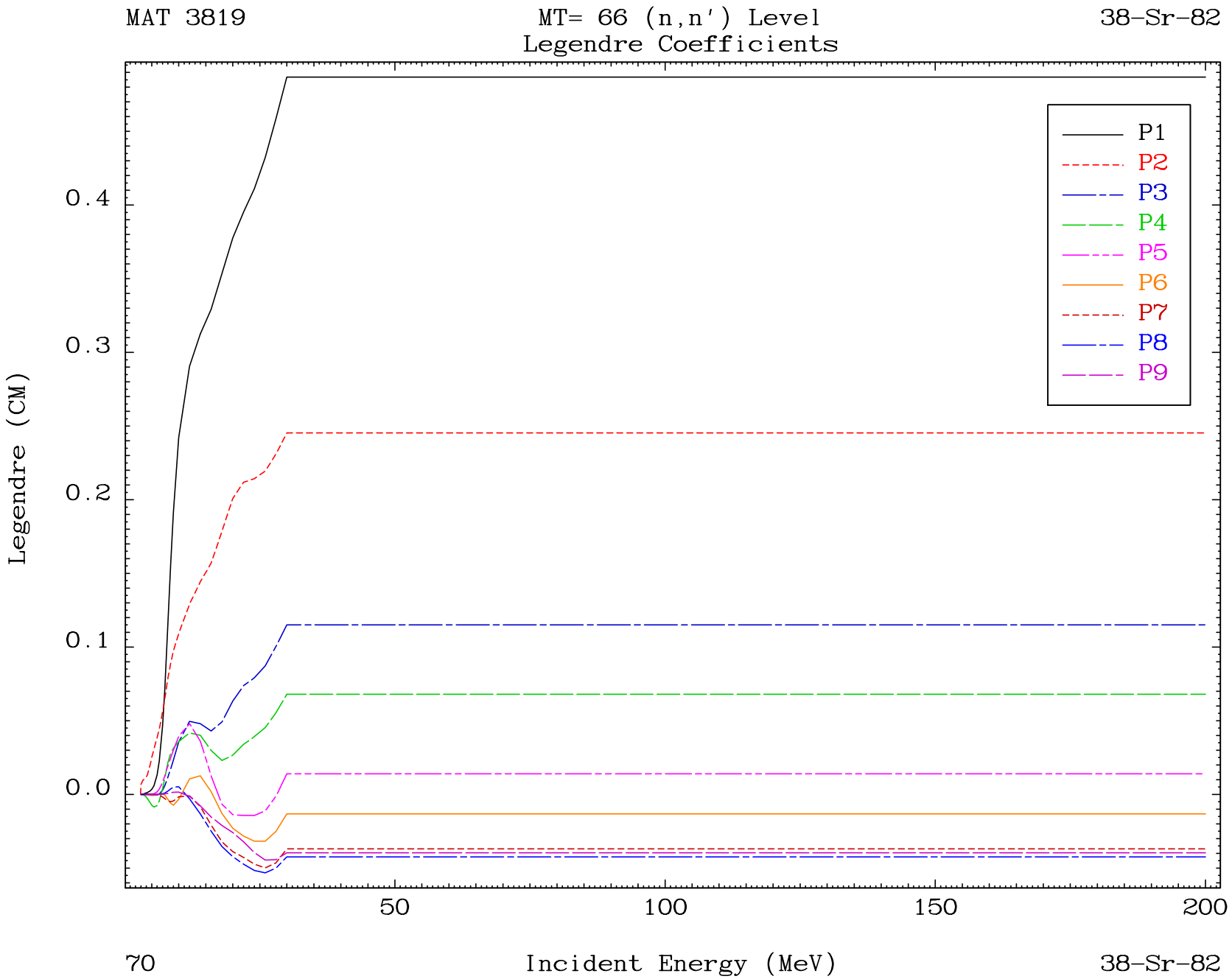

MAT 3819
MT= 64 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
65
Incident Energy (MeV)
38-Sr-82

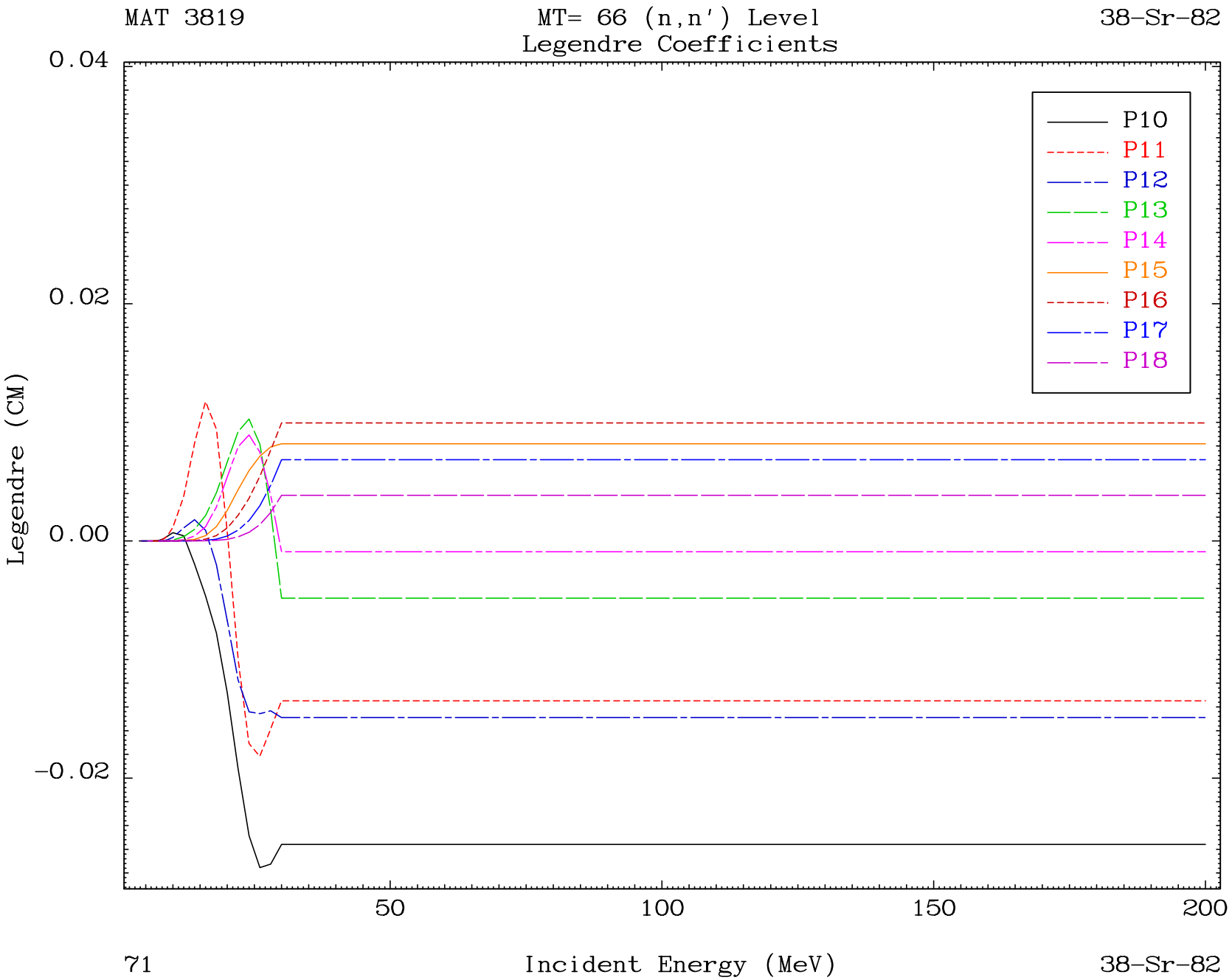

MAT 3819
MT= 64 (n,n') Level
Legendre Coefficients
38-Sr-82
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
38-Sr-82
P19
P20
P21
P22
P23
P24
P25
P26

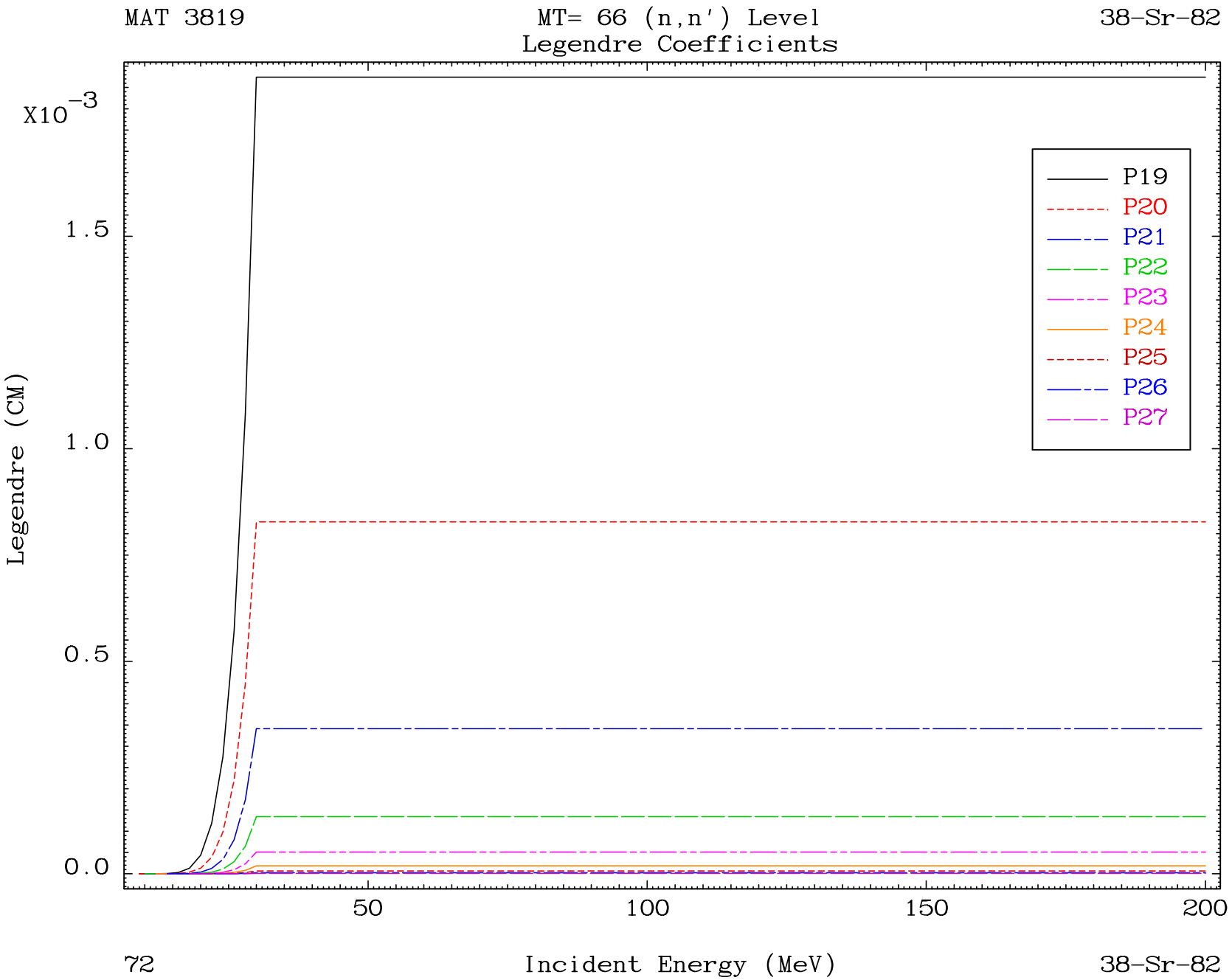

MAT 3819
MT= 65 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
67
Incident Energy (MeV)
38-Sr-82

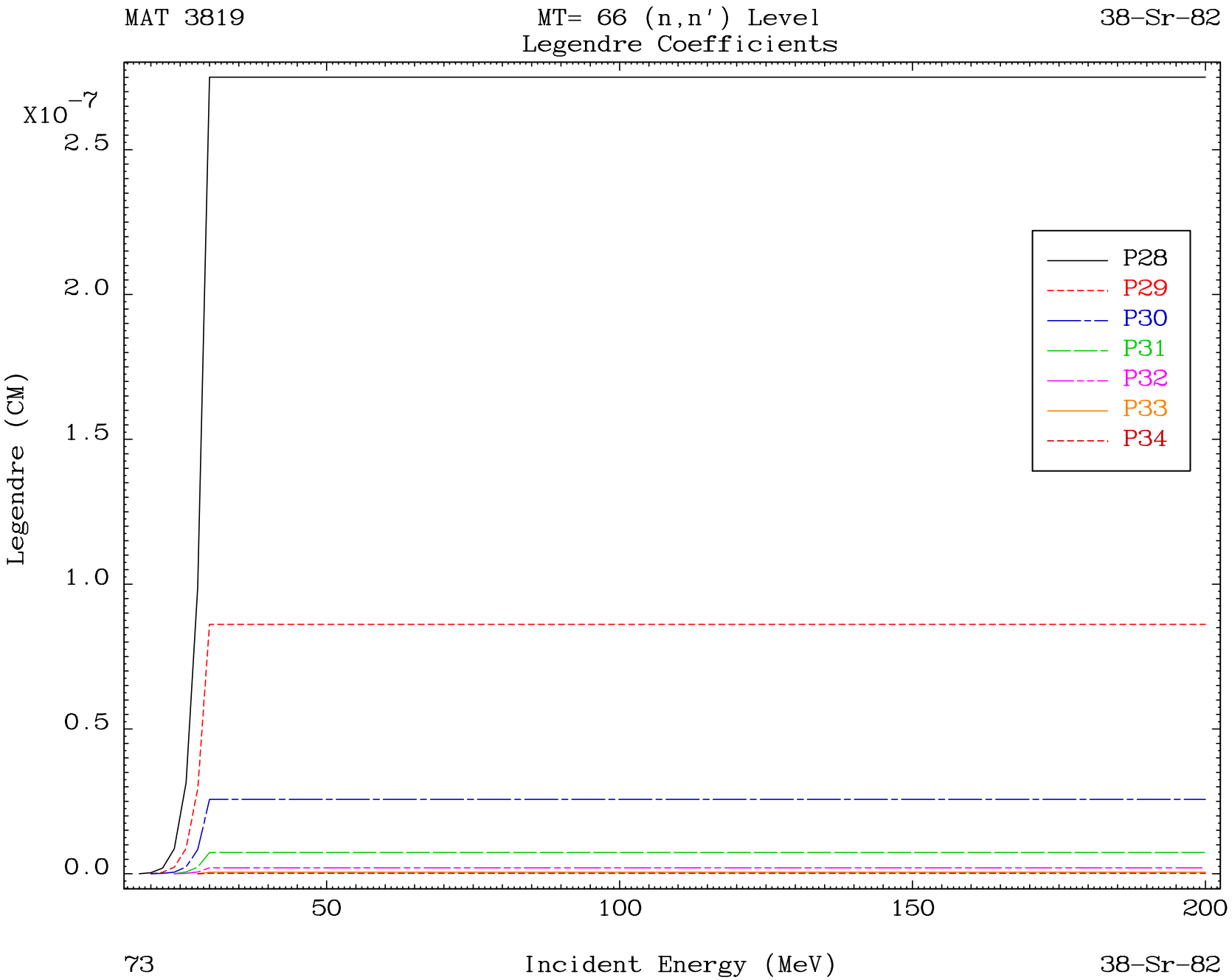

MAT 3819
MT= 65 (n,n') Level
Legendre Coefficients
38-Sr-82
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.000
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
38-Sr-82

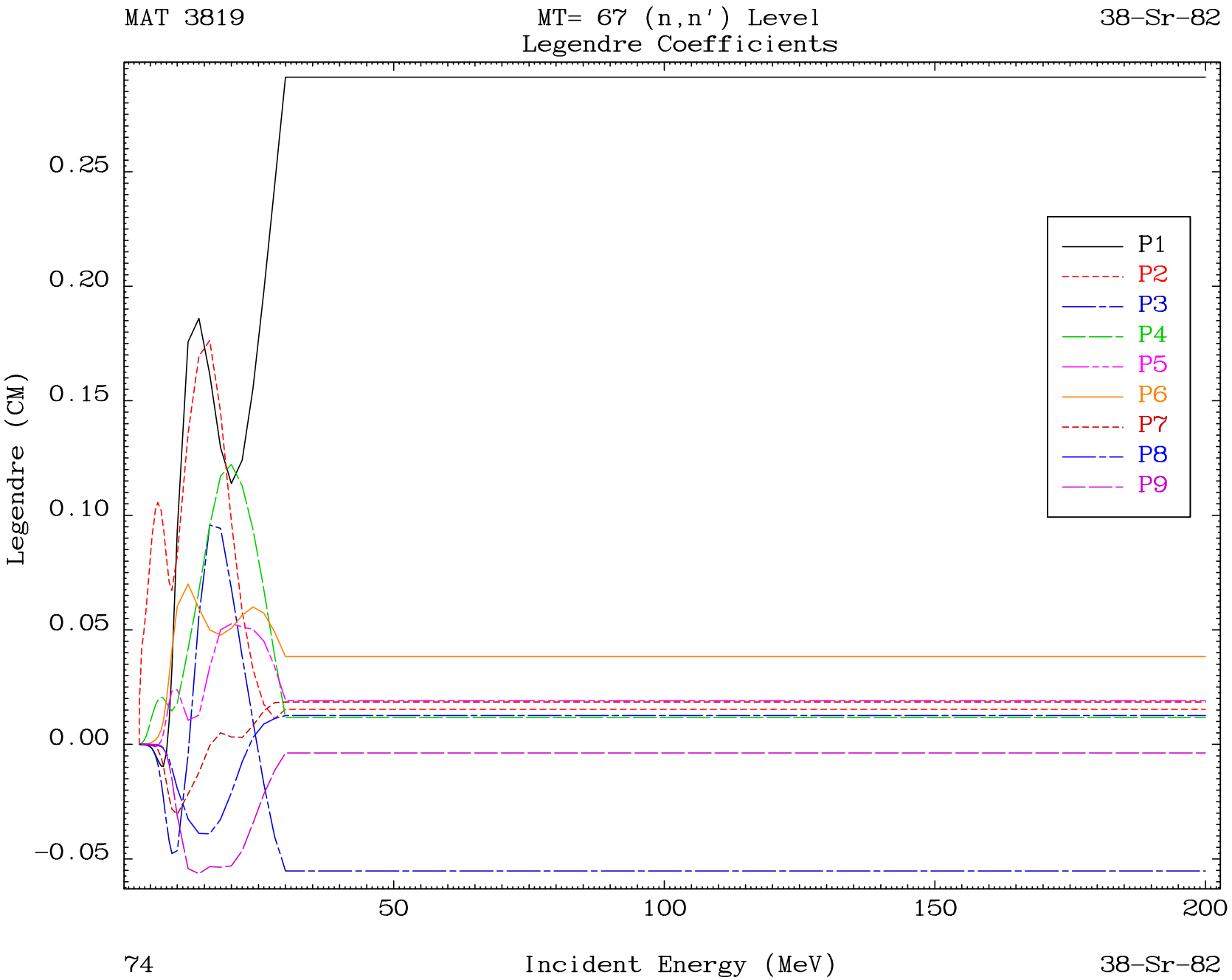

MAT 3819
MT= 65 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
69
Incident Energy (MeV)
38-Sr-82

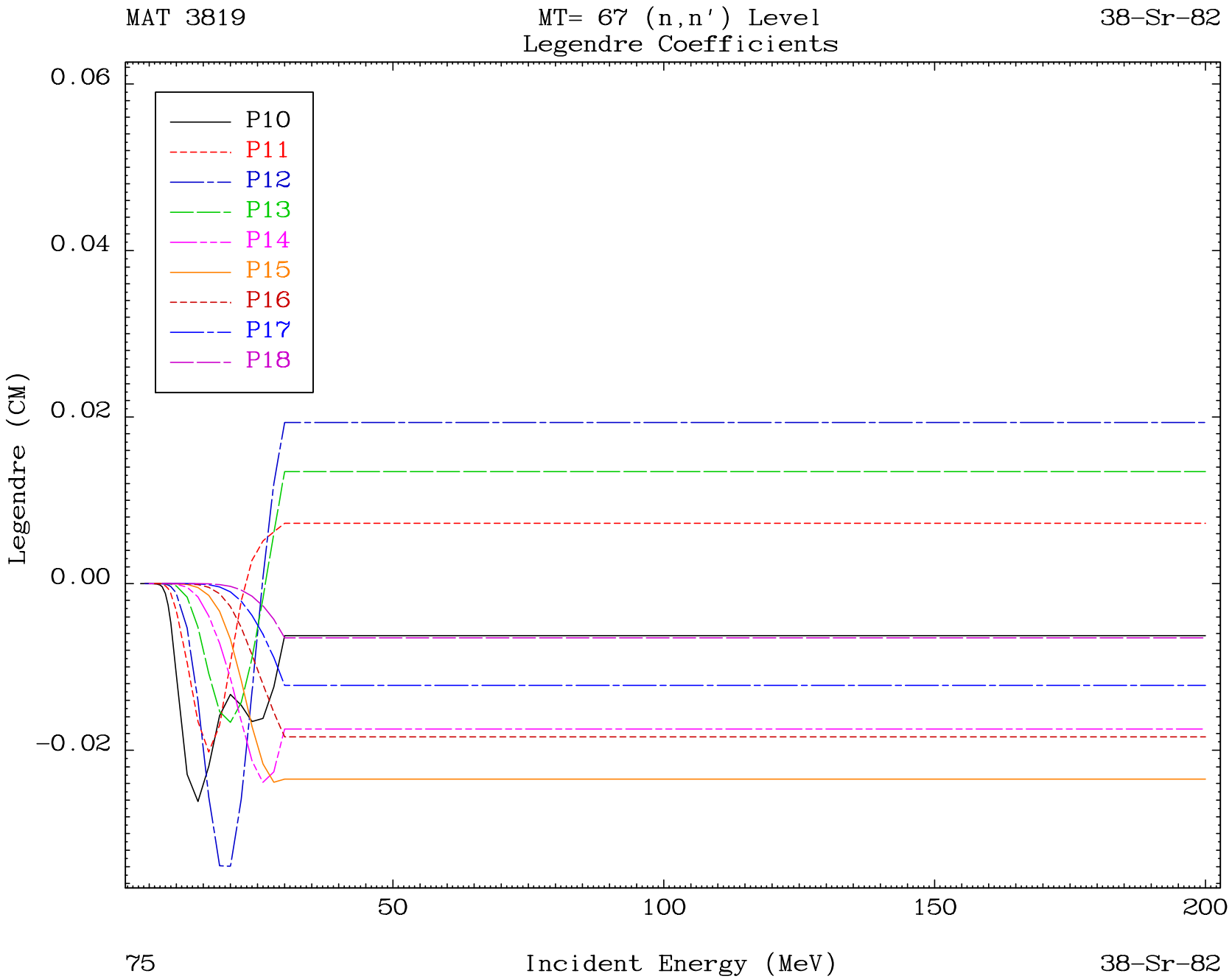

MAT 3819
MT= 66 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
70
Incident Energy (MeV)
38-Sr-82

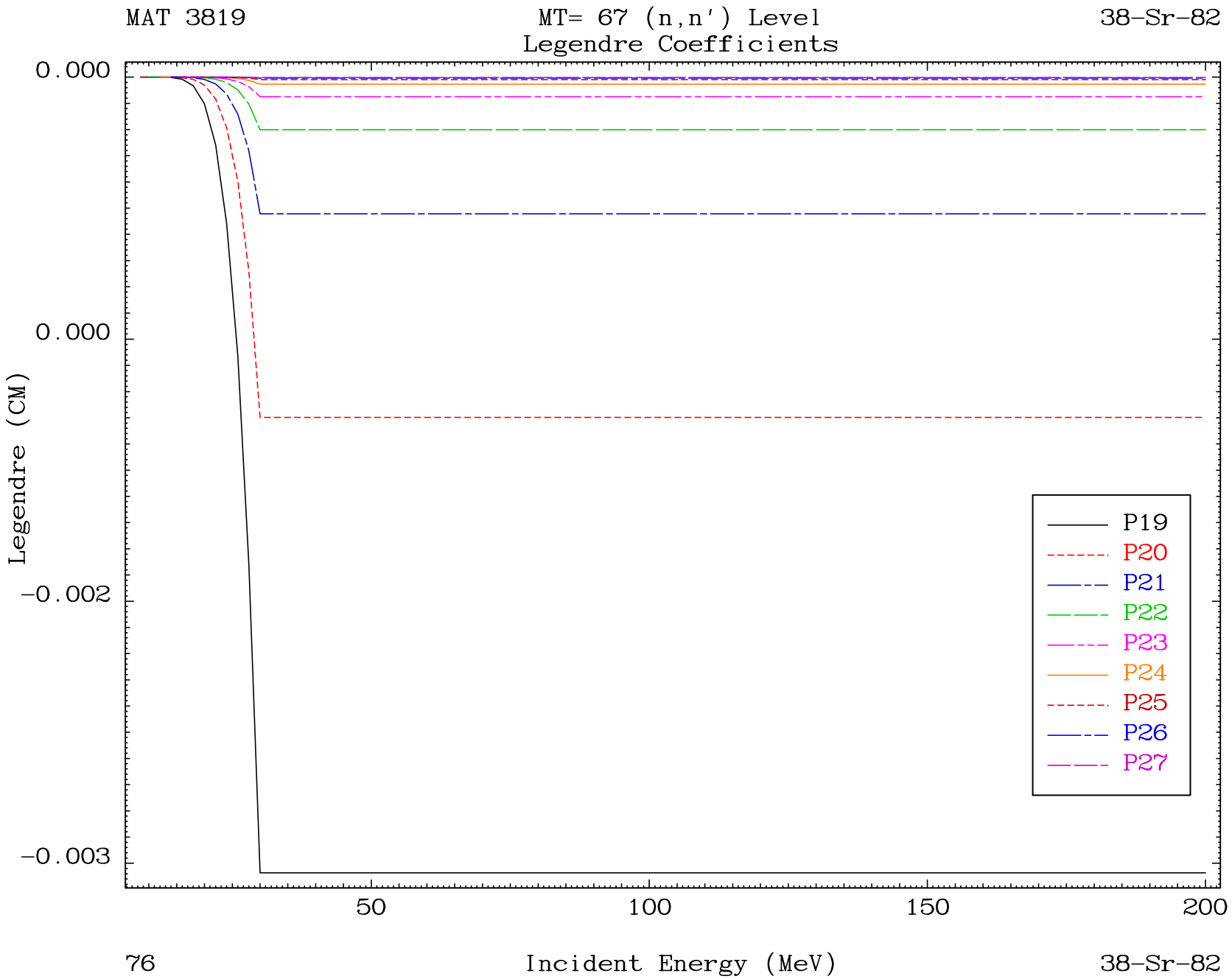

MAT 3819
MT= 66 (n,n') Level
Legendre Coefficients
38-Sr-82
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
71
Incident Energy (MeV)
38-Sr-82

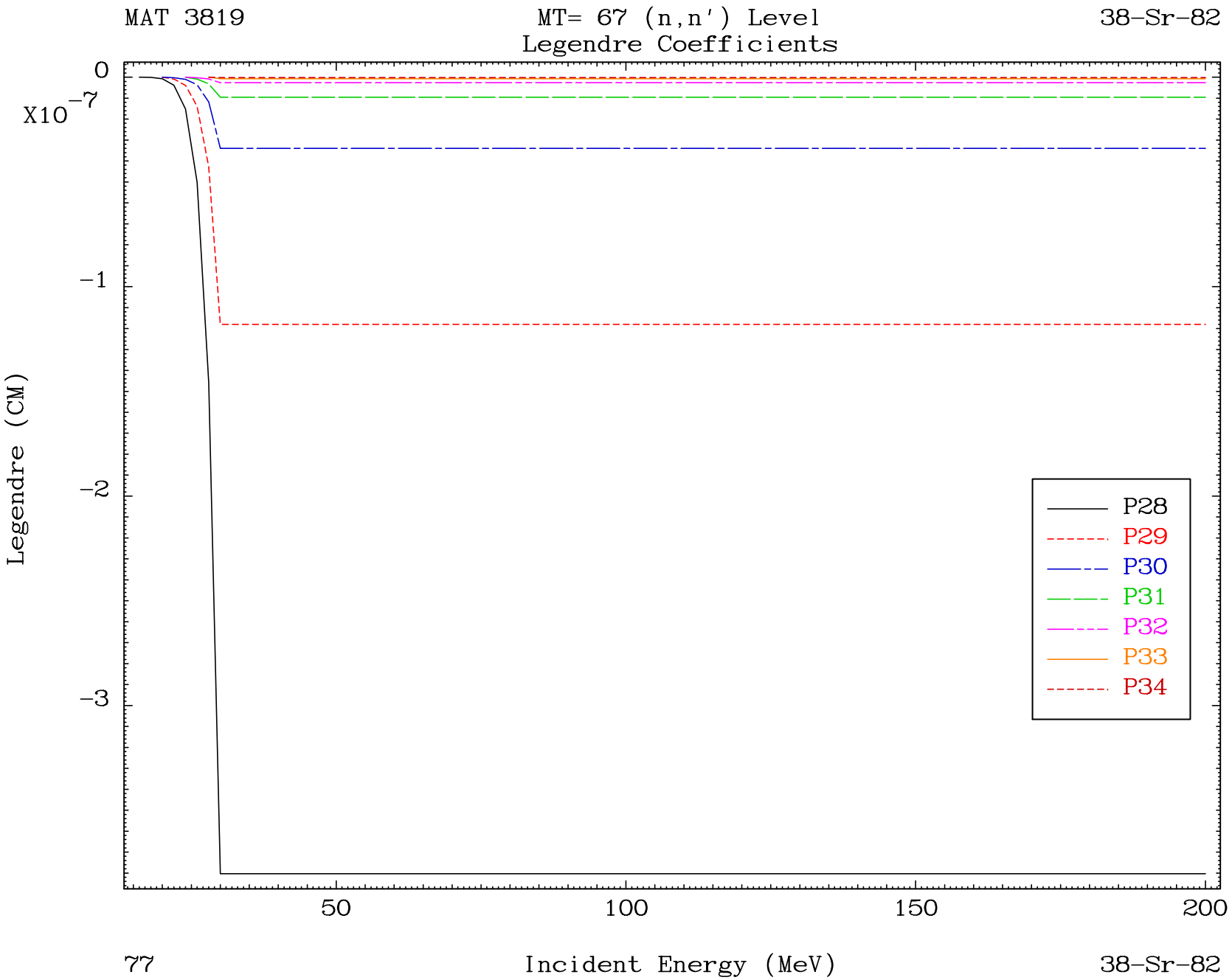

MAT 3819
MT= 66 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
72
Incident Energy (MeV)
38-Sr-82

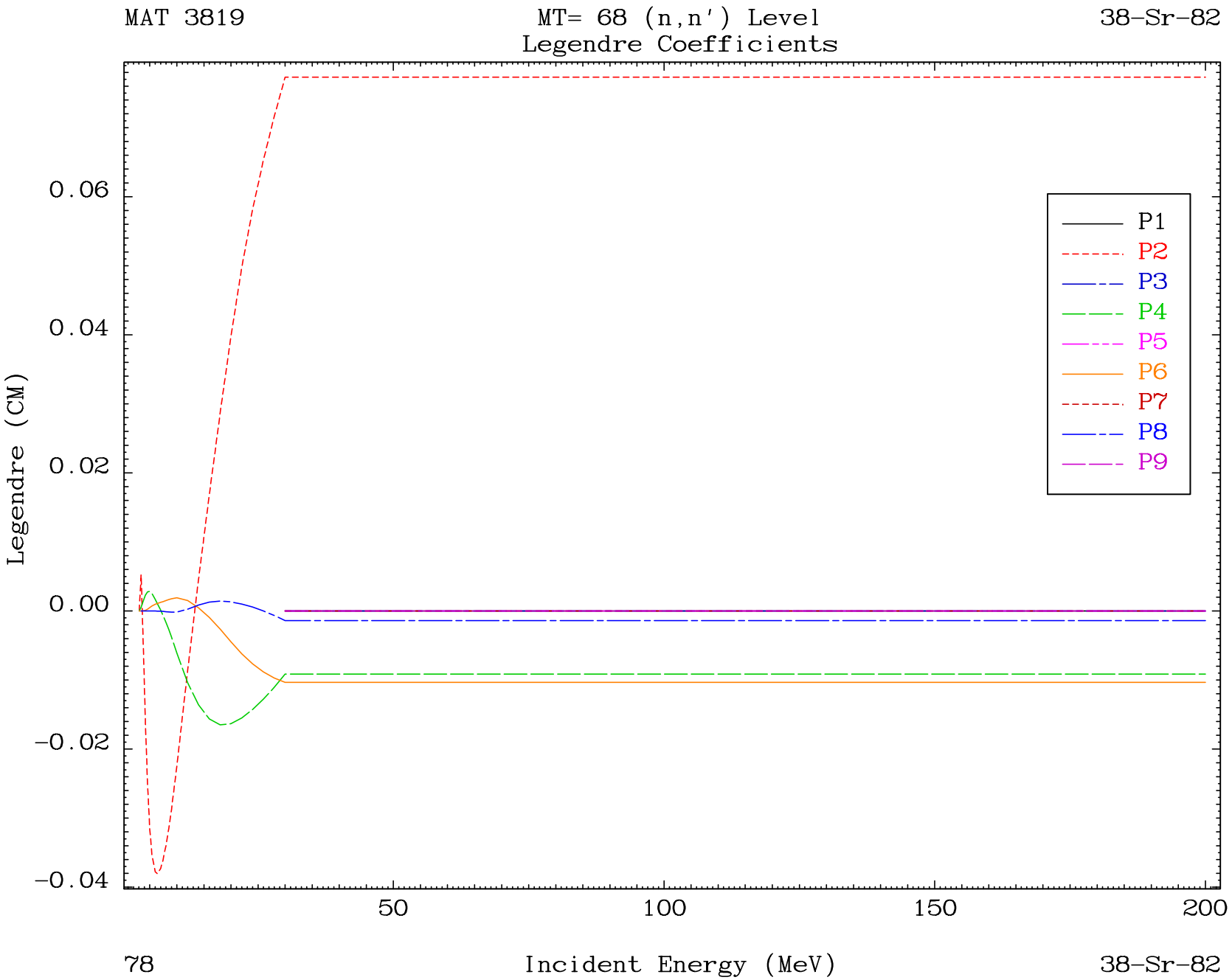

MAT 3819
MT= 66 (n,n') Level
Legendre Coefficients
38-Sr-82
X10^-7
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
38-Sr-82
P28
P29
P30
P31
P32
P33
P34

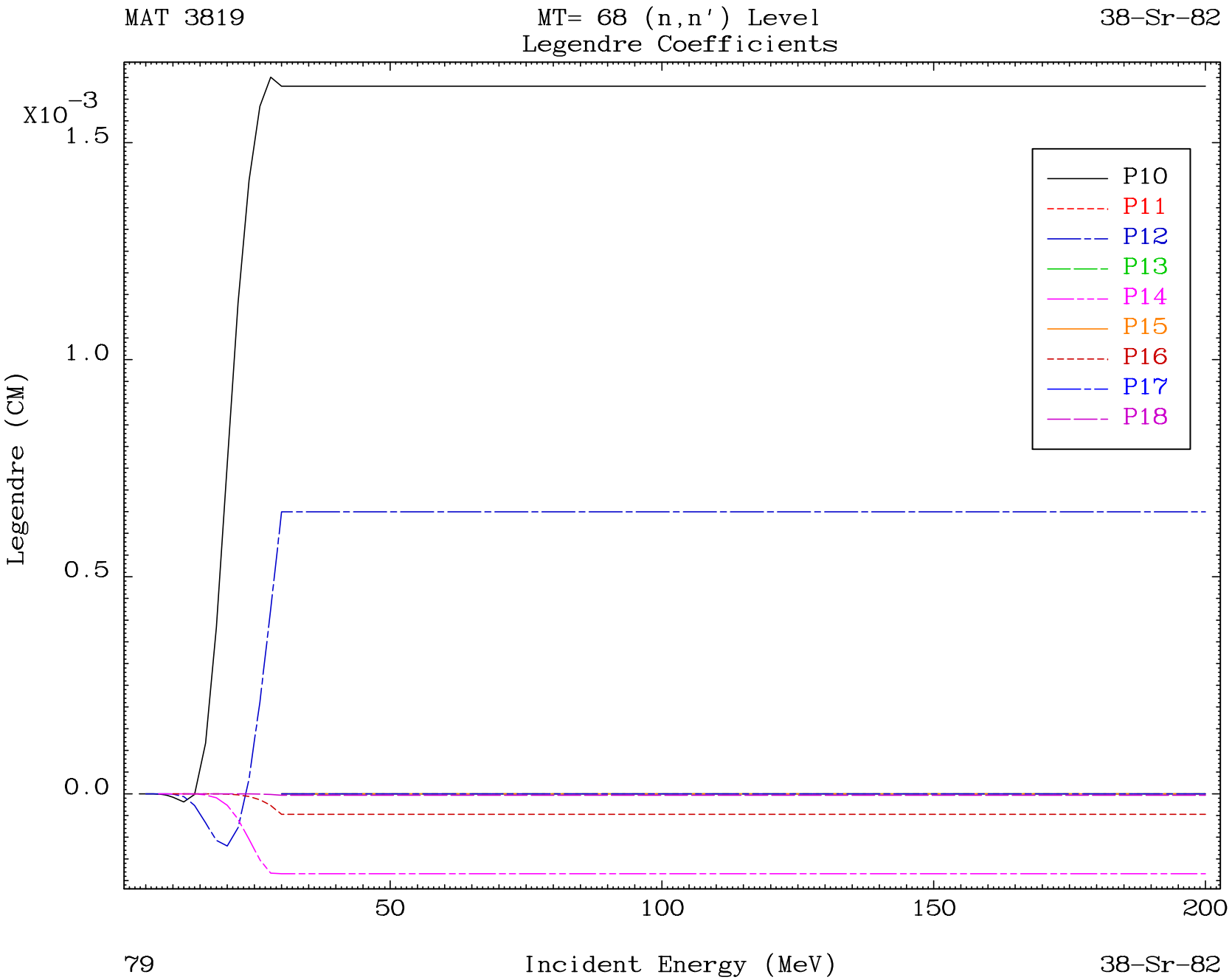

MAT 3819
MT= 67 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
50
100
150
200
74
Incident Energy (MeV)
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9

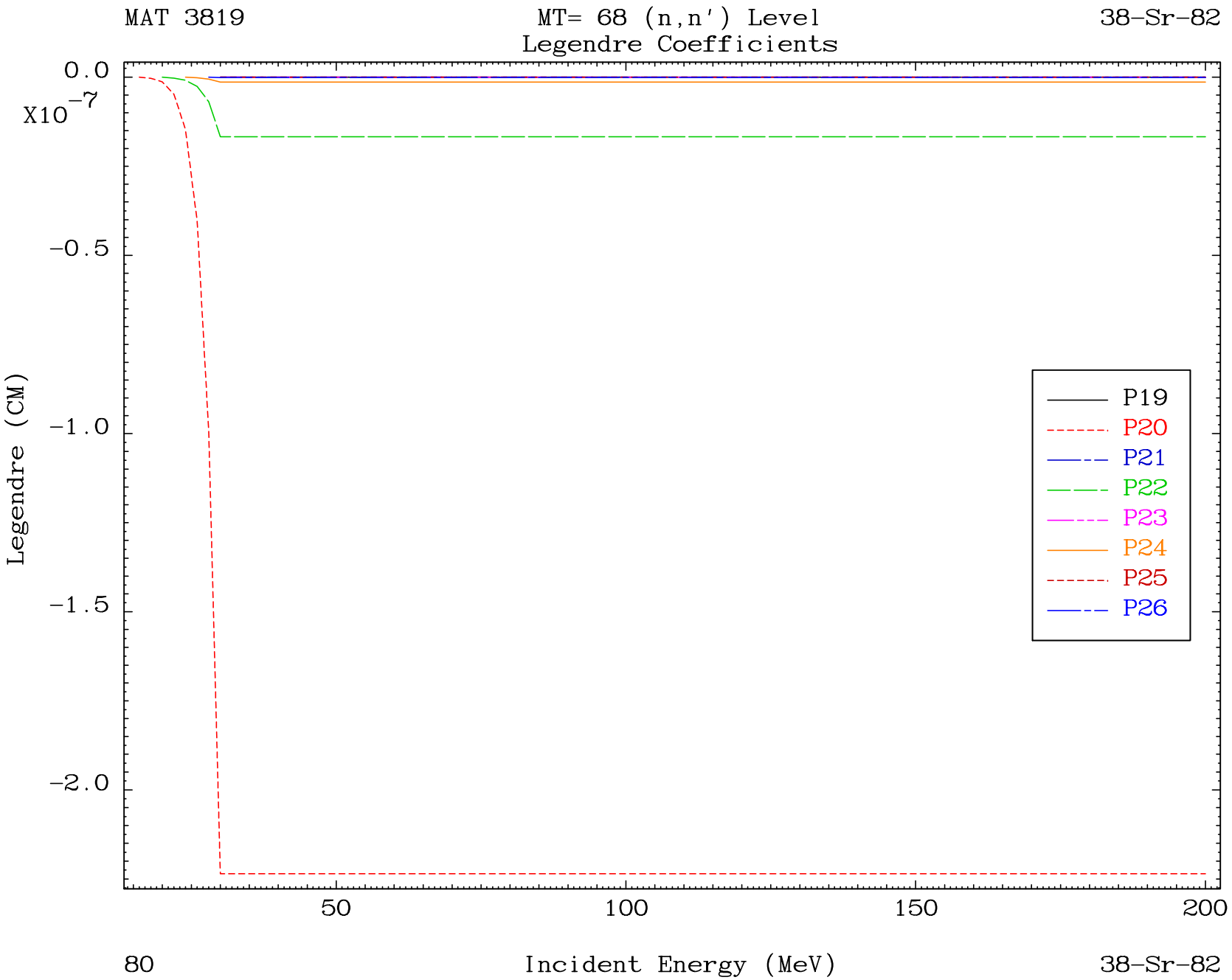

MAT 3819
MT= 67 (n,n') Level
Legendre Coefficients
38-Sr-82
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
38-Sr-82

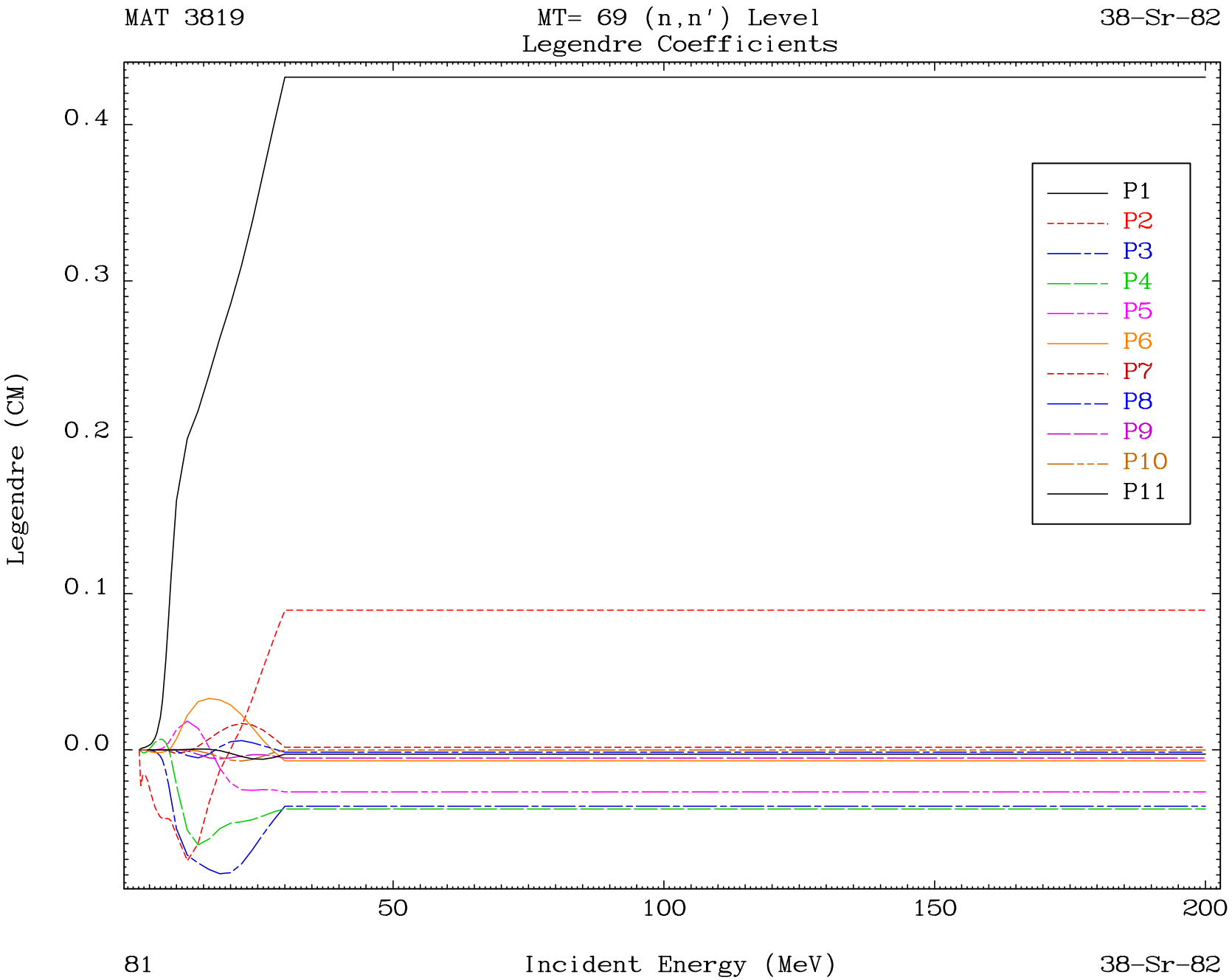

MAT 3819
MT= 67 (n,n') Level
Legendre Coefficients
38-Sr-82
0.000
0.000
-0.002
-0.003
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
38-Sr-82
P19
P20
P21
P22
P23
P24
P25
P26
P27

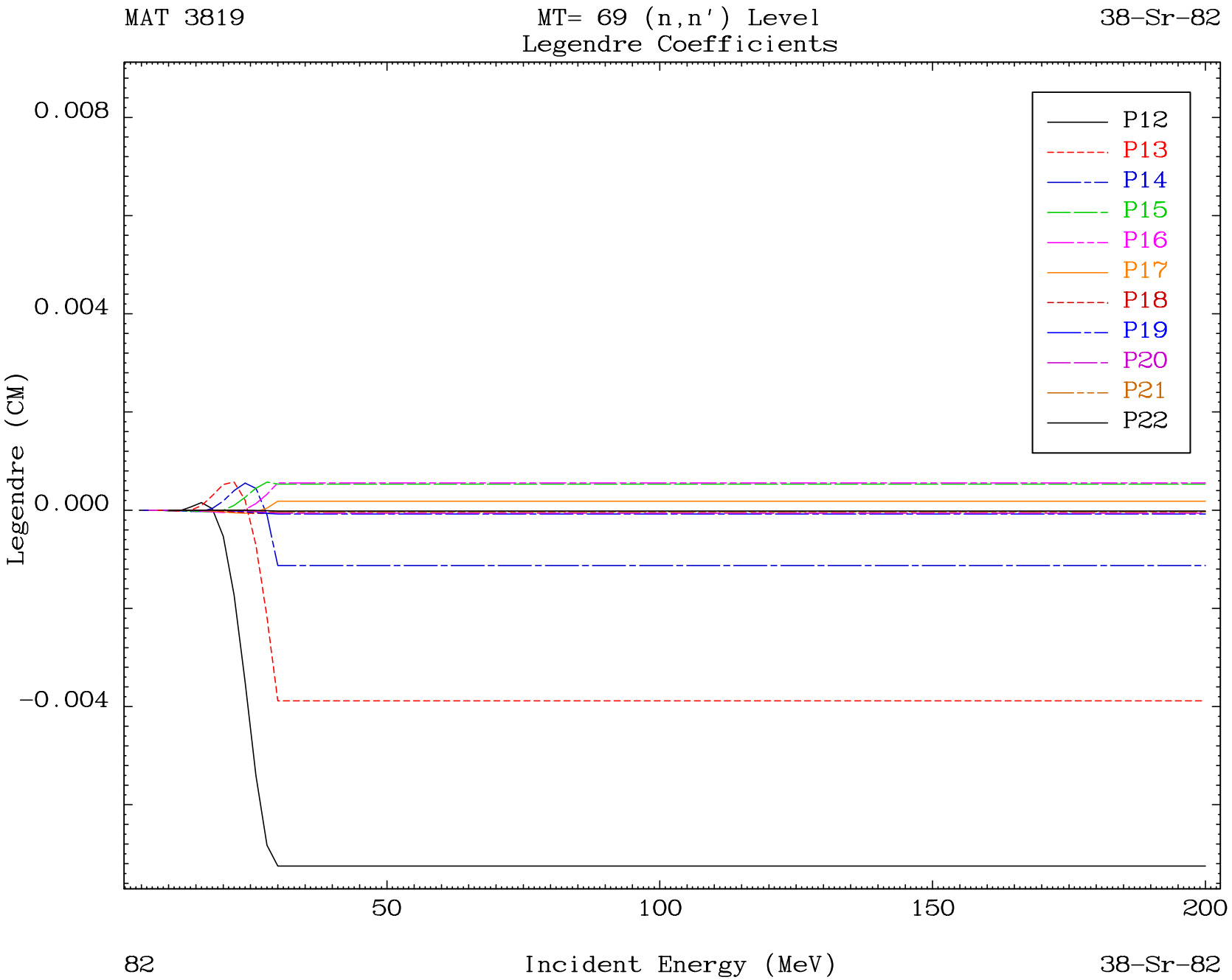

MAT 3819
MT= 67 (n,n') Level
Legendre Coefficients
38-Sr-82
0
X10-7
-1
-2
-3
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
38-Sr-82
P28
P29
P30
P31
P32
P33
P34

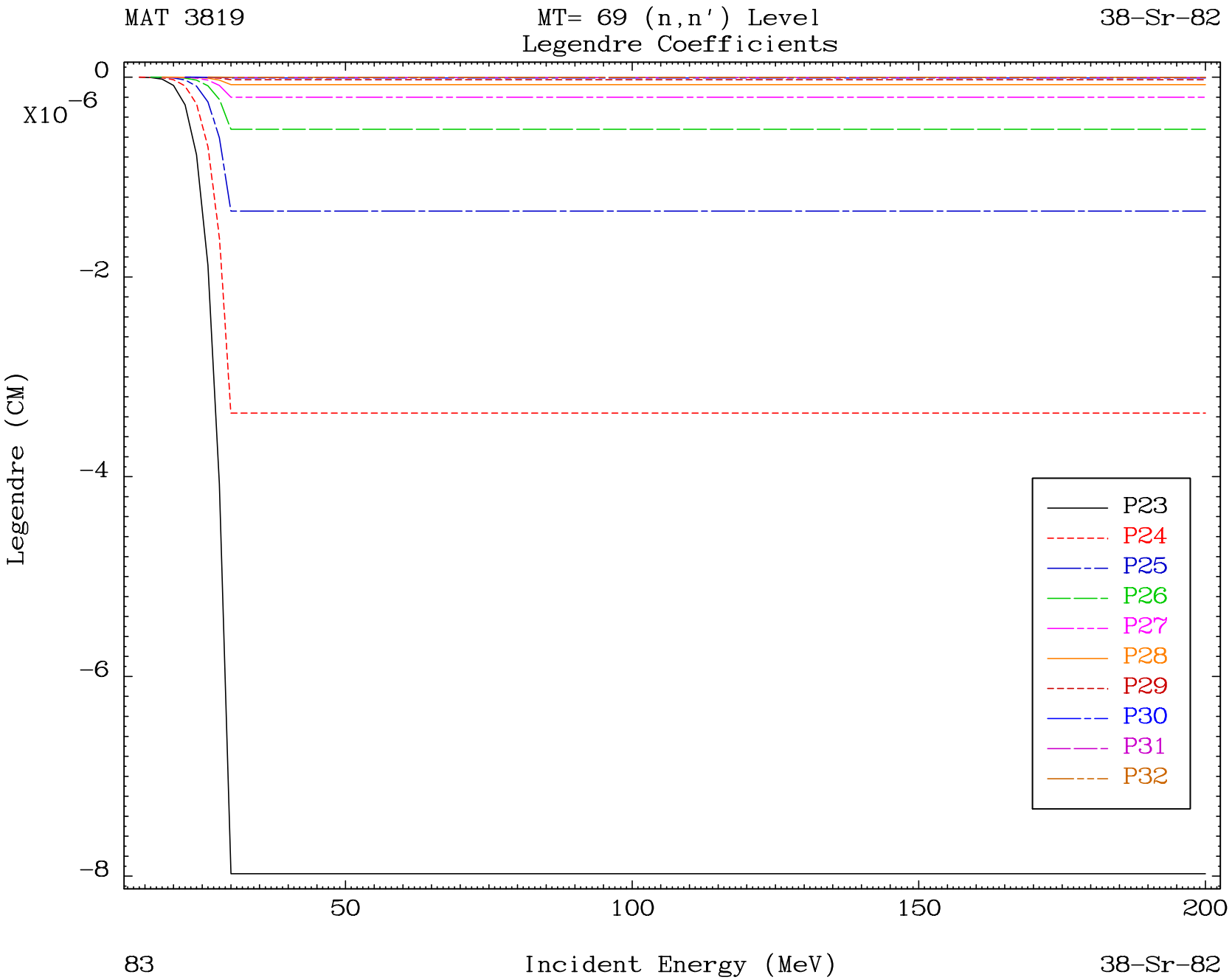

MAT 3819
MT= 68 (n,n') Level
Legendre Coefficients
38-Sr-82
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
38-Sr-82
P1
P2
P3
P4
P5
P6
P7
P8
P9

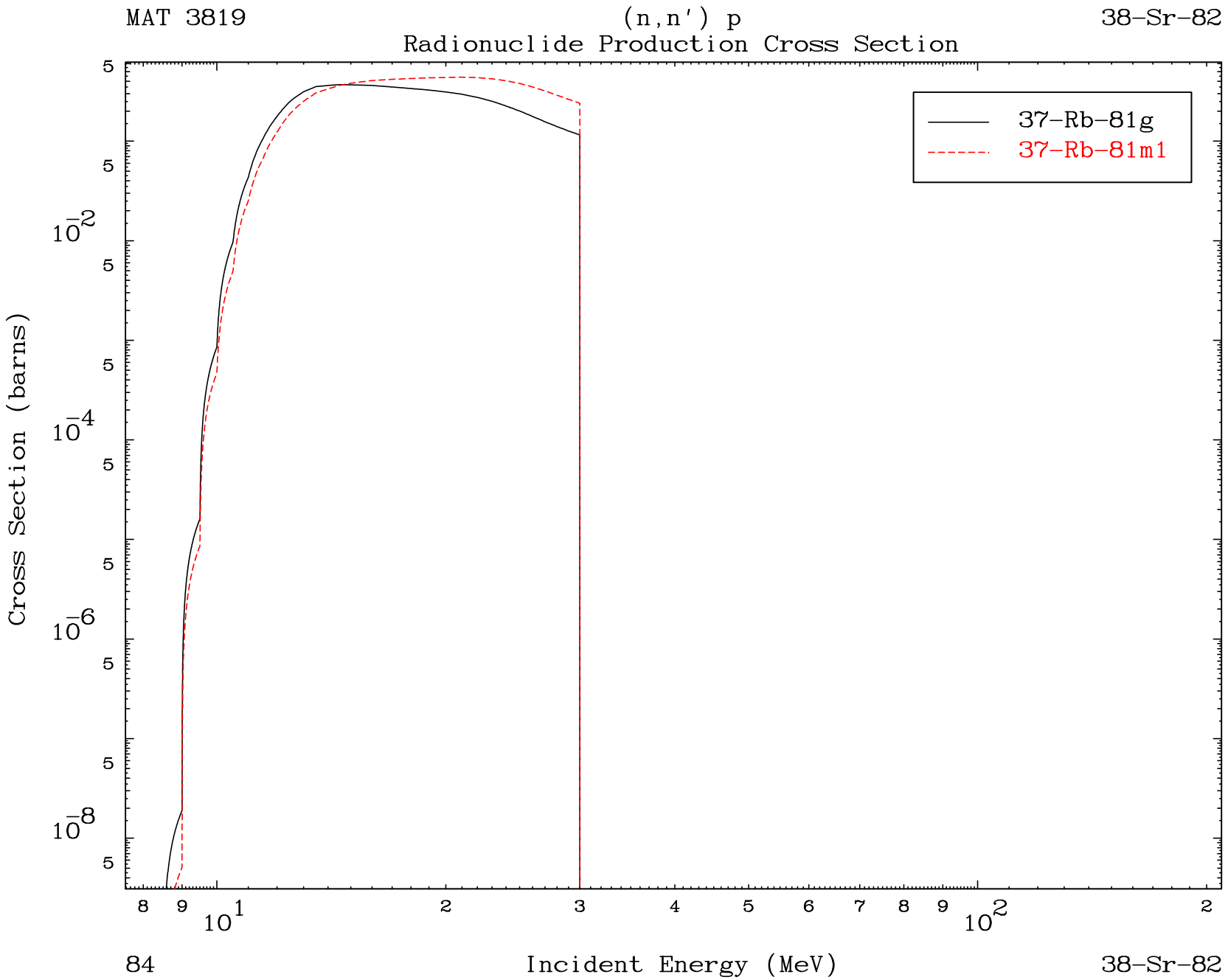

MAT 3819
MT= 68 (n,n') Level
Legendre Coefficients
38-Sr-82
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
79
Incident Energy (MeV)
38-Sr-82

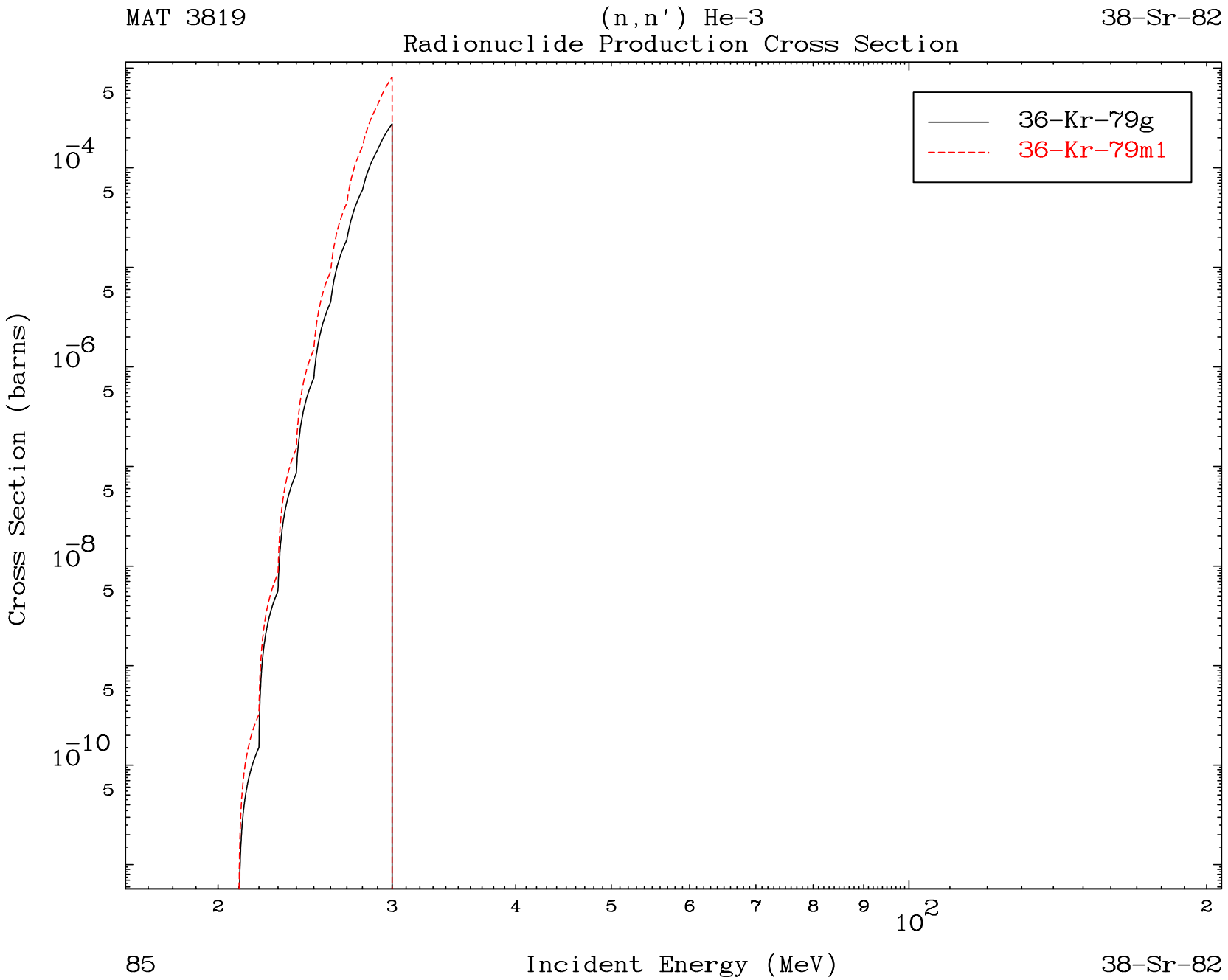

MAT 3819
MT= 68 (n,n') Level
Legendre Coefficients
38-Sr-82
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
38-Sr-82
P19
P20
P21
P22
P23
P24
P25
P26

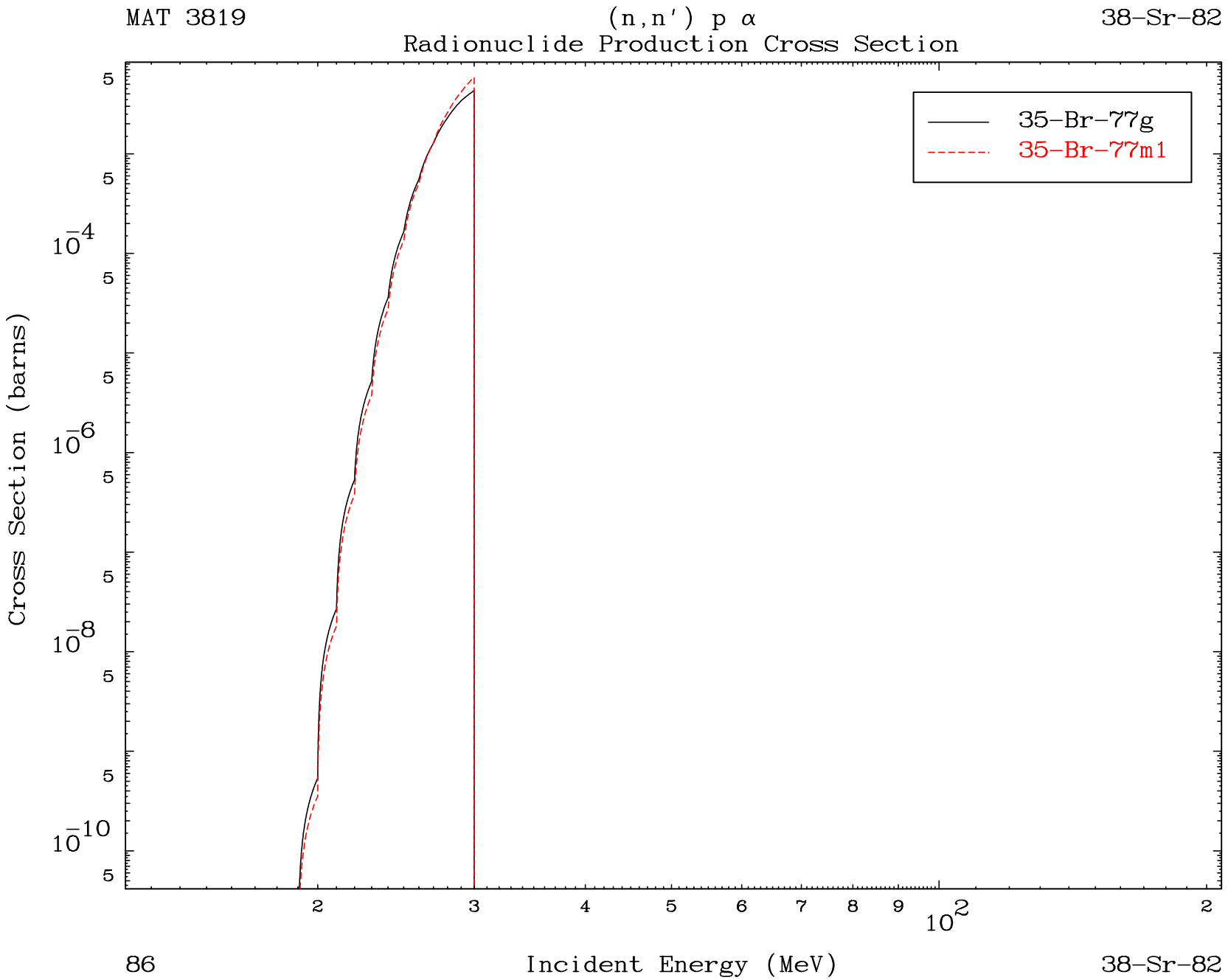

MAT 3819
MT= 69 (n,n') Level
Legendre Coefficients
38-Sr-82
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
81
Incident Energy (MeV)
38-Sr-82

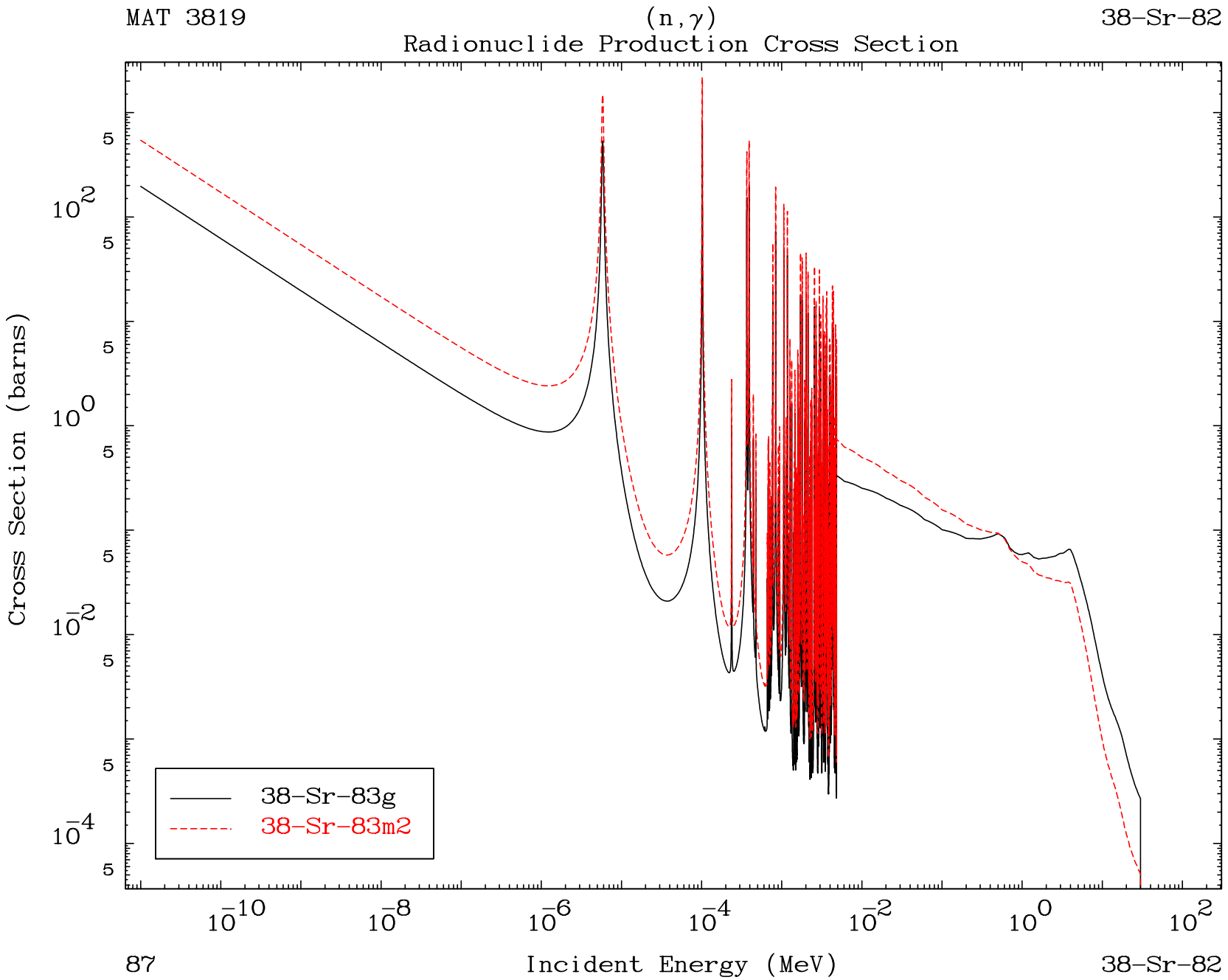

MAT 3819
MT= 69 (n,n') Level
Legendre Coefficients
38-Sr-82
0.008
0.004
0.000
-0.004
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
82
Incident Energy (MeV)
38-Sr-82

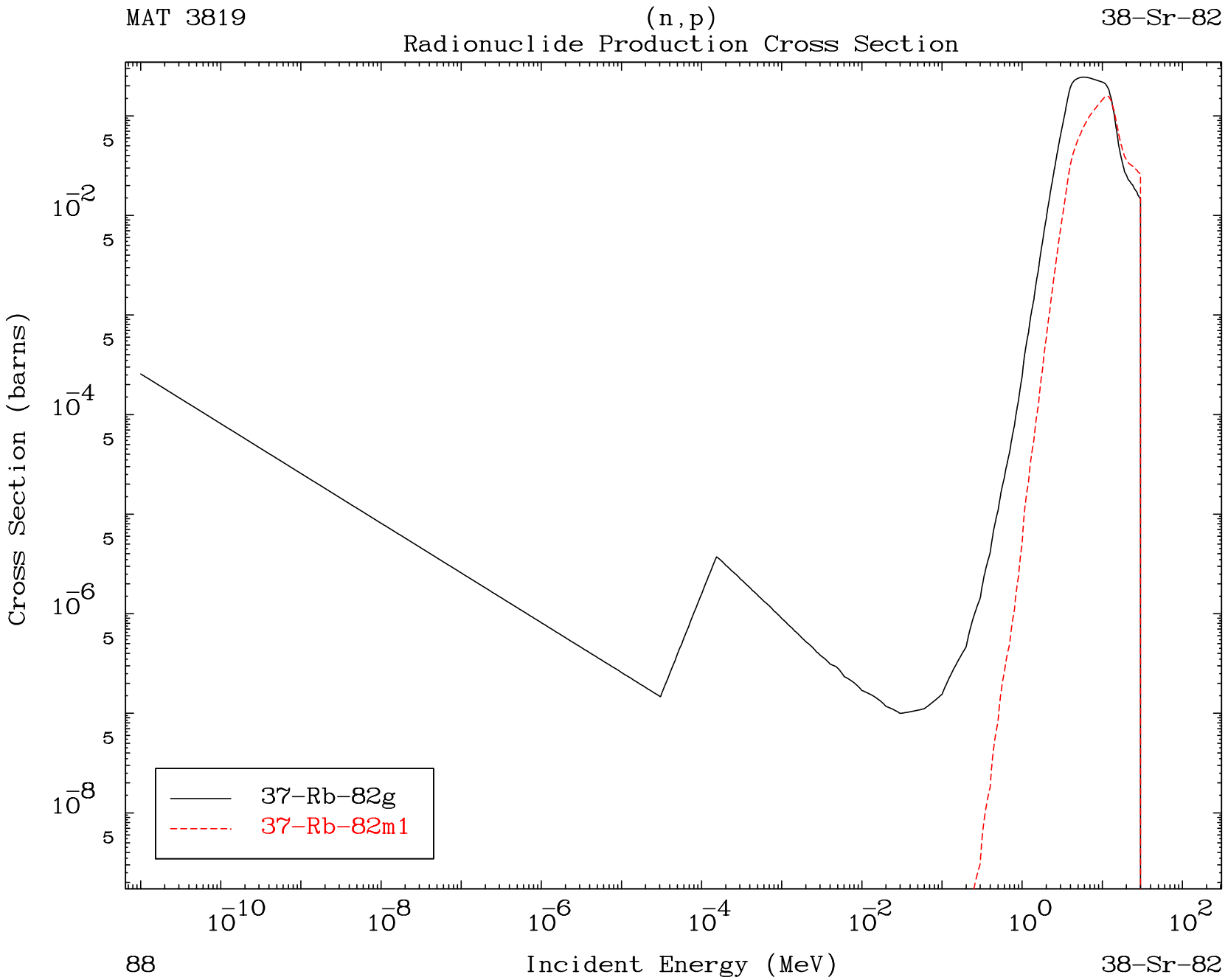

MAT 3819
MT= 69 (n,n') Level
Legendre Coefficients
38-Sr-82
X10 −6
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
83
Incident Energy (MeV)
38-Sr-82
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

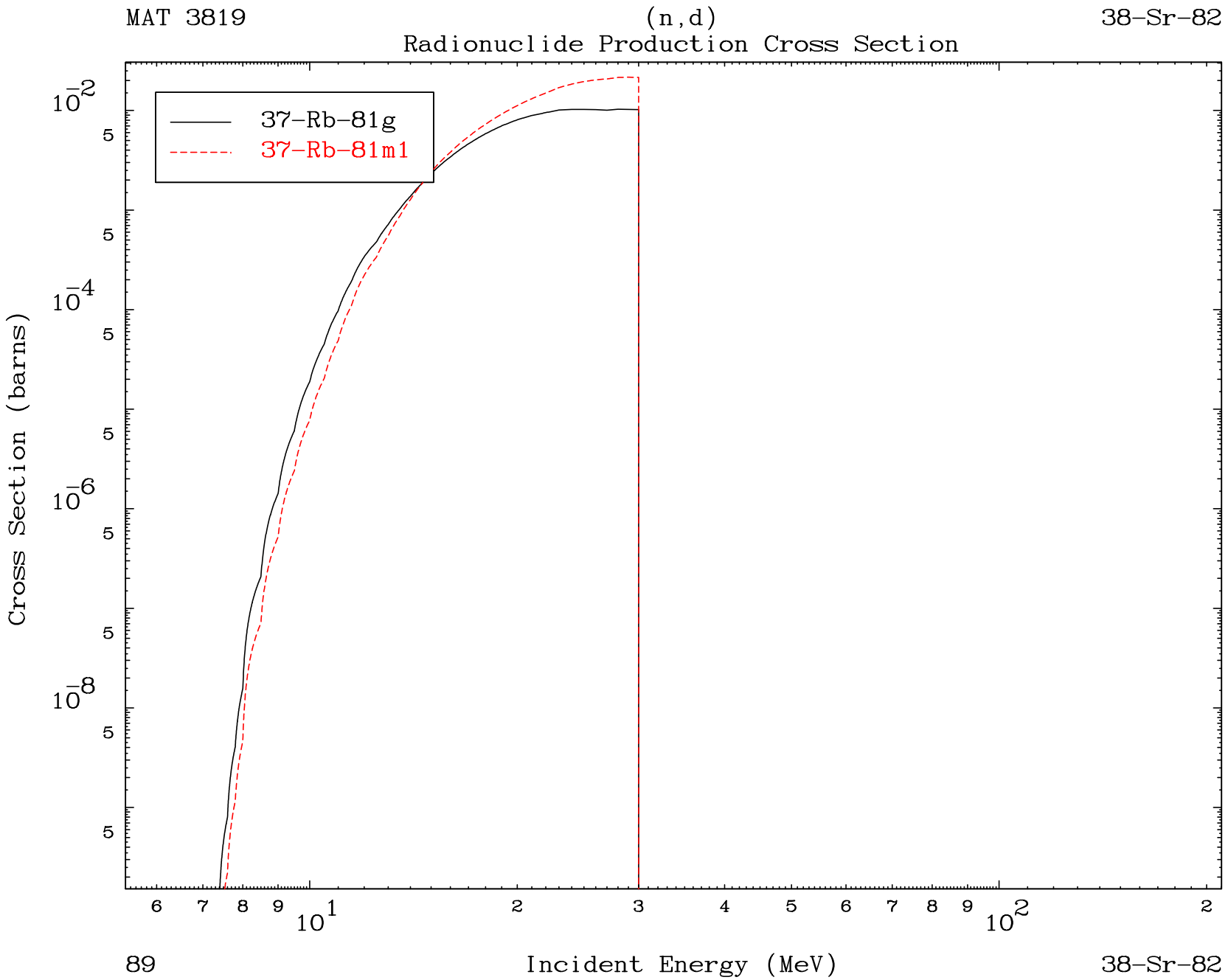

MAT 3819
(n,n') p
38-Sr-82
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
84
Incident Energy (MeV)
38-Sr-82

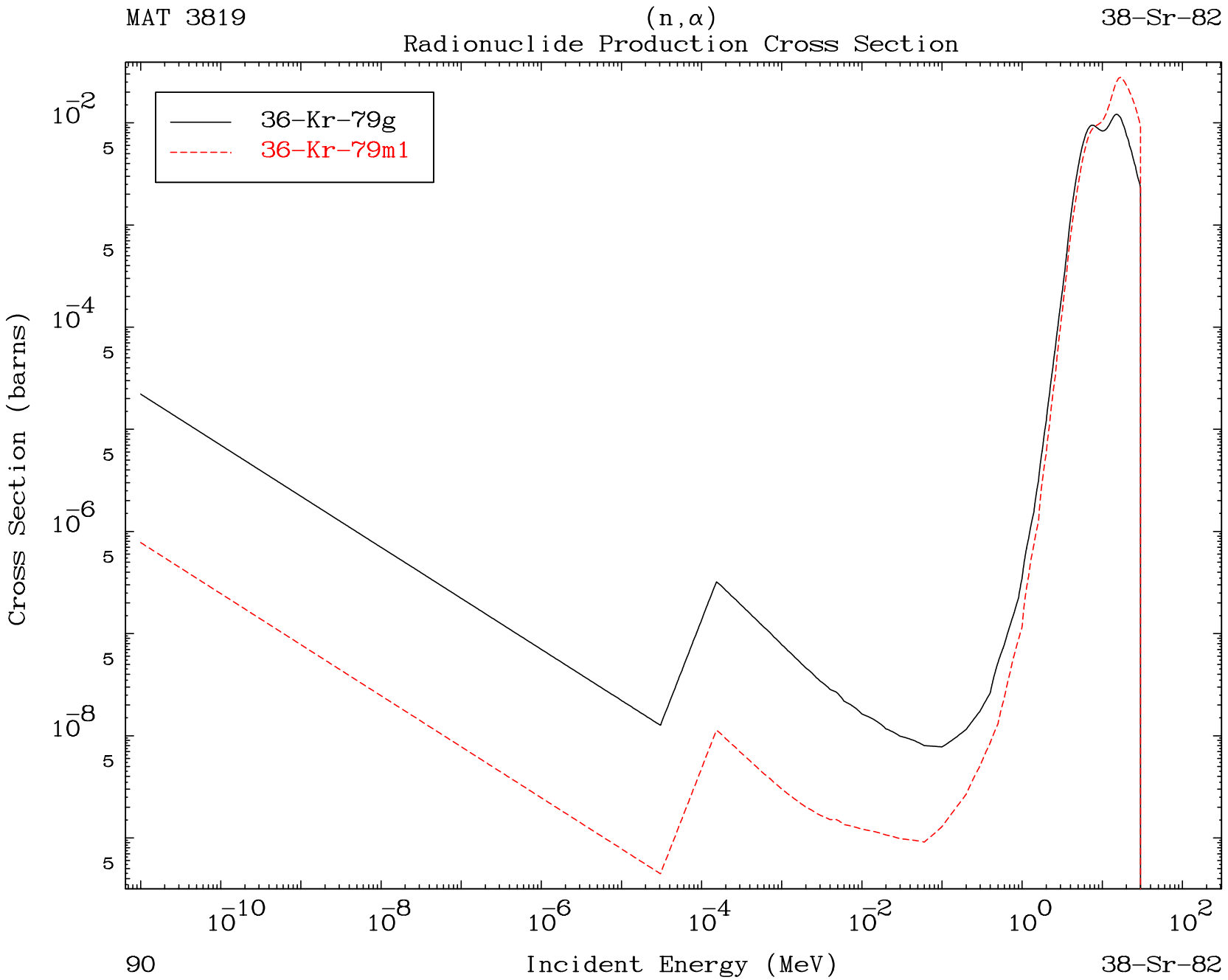

MAT 3819
(n,n') He-3
38-Sr-82
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
85
Incident Energy (MeV)
38-Sr-82

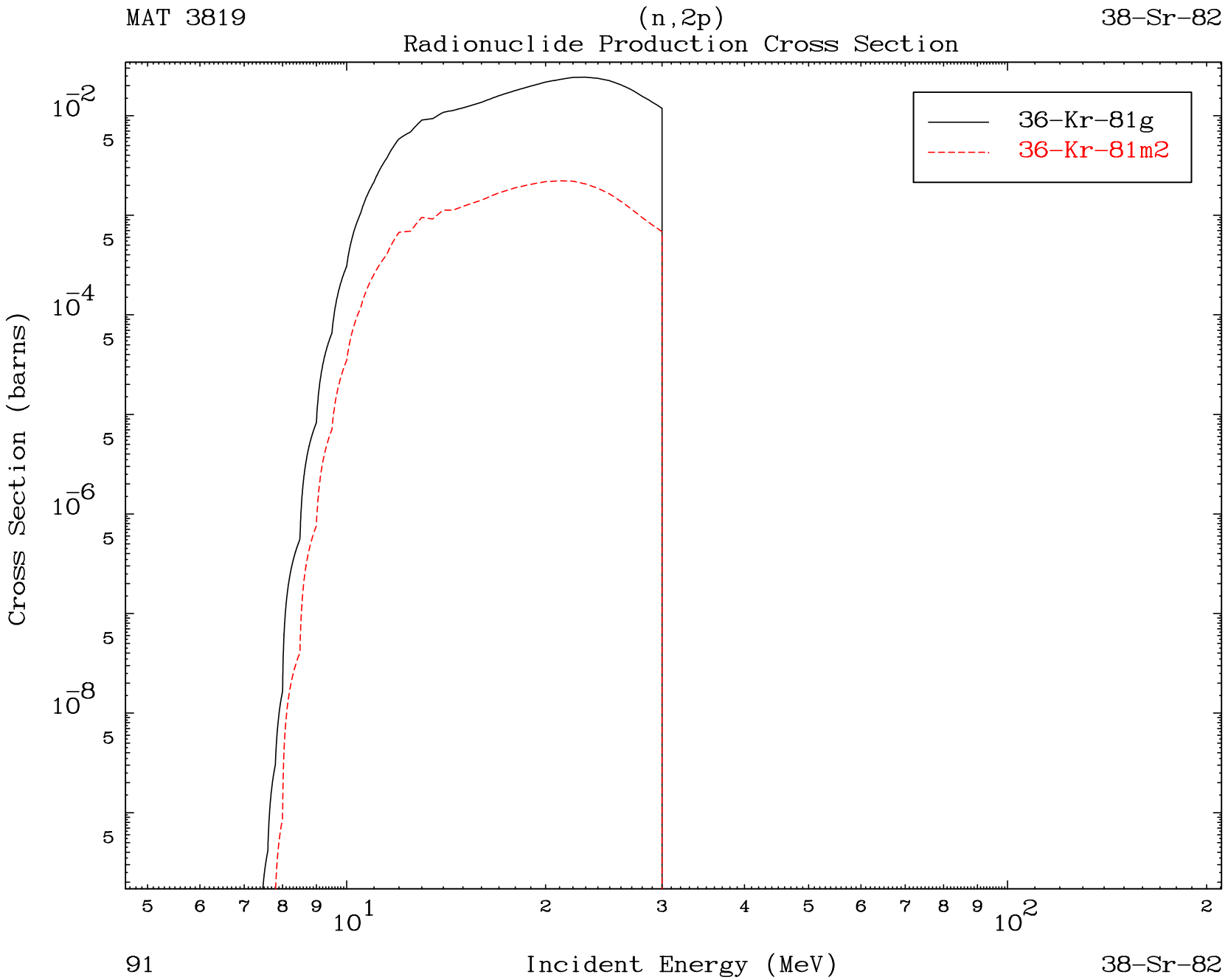

MAT 3819
(n,n') p α
38-Sr-82
Radionuclide Production Cross Section
35-Br-77g
35-Br-77m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
86
Incident Energy (MeV)
38-Sr-82

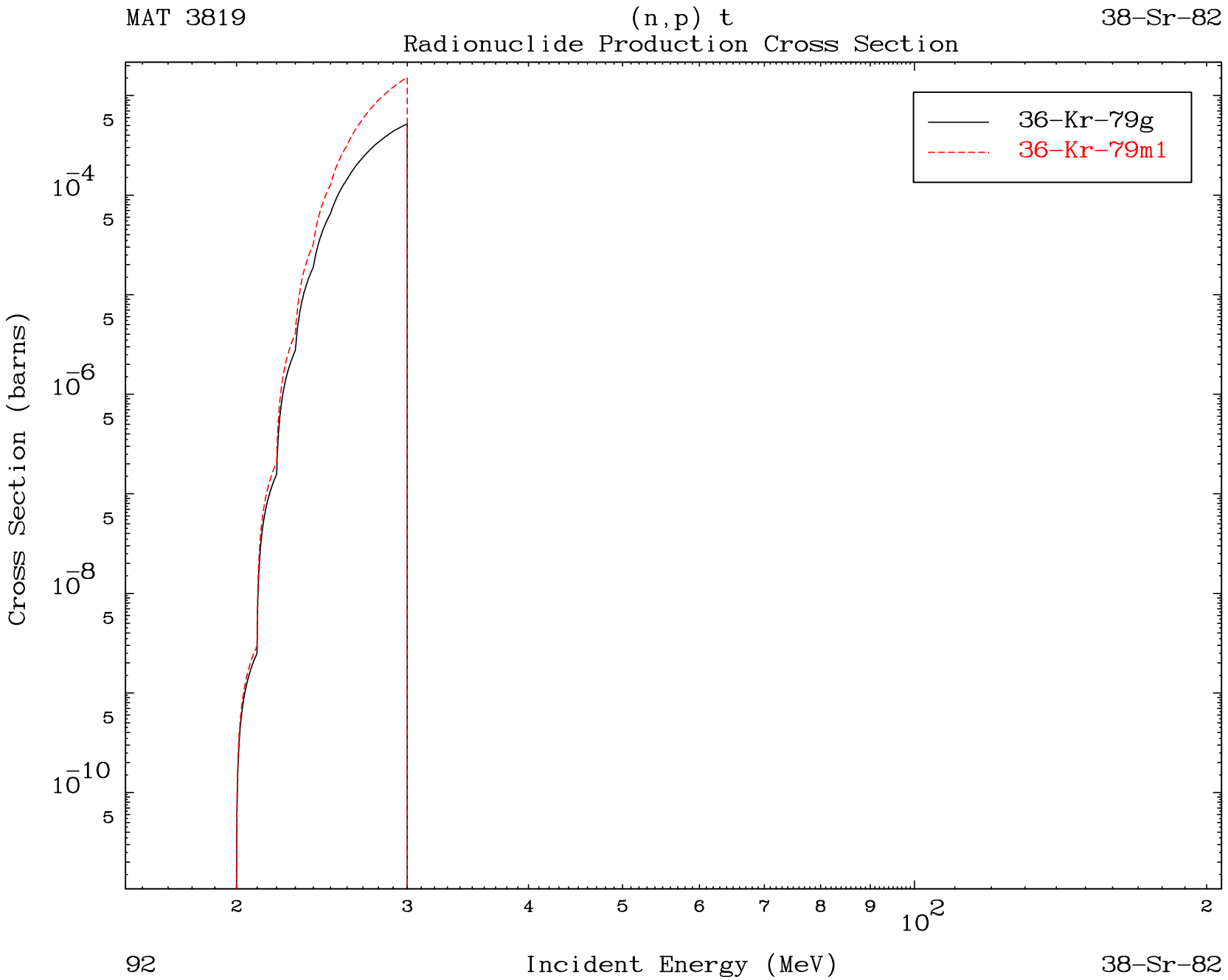

MAT 3819
(n,γ)
38-Sr-82
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
38-Sr-83g
38-Sr-83m2
87
38-Sr-82

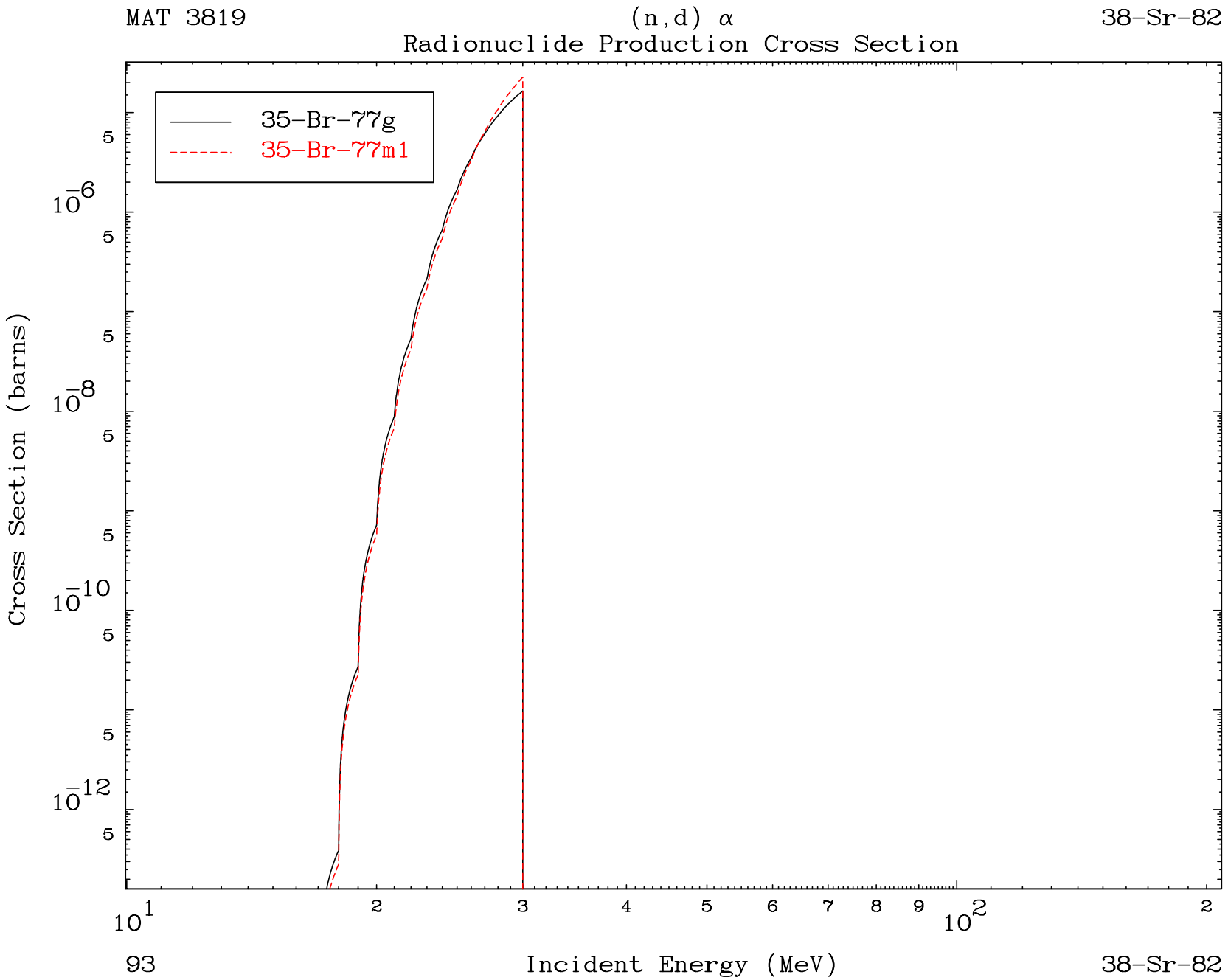

MAT 3819
(n,p)
38-Sr-82
Radionuclide Production Cross Section
Cross Section (barns)
10^{-2}
10^{-4}
10^{-6}
10^{-8}
5
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
37-Rb-82g
37-Rb-82m1
88
Incident Energy (MeV)
38-Sr-82


MAT 3819
(n,d)
38-Sr-82
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
Incident Energy (MeV)
89
38-Sr-82


MAT 3819
(n,α)
38-Sr-82
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
Incident Energy (MeV)
90
38-Sr-82


MAT 3819
(n,2p)
38-Sr-82
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
91
38-Sr-82


MAT 3819
(n,p) t
38-Sr-82
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
92
Incident Energy (MeV)
38-Sr-82


MAT 3819
(n,d) α
38-Sr-82
Radionuclide Production Cross Section
35-Br-77g
35-Br-77m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
101
2
3
4
5
6
7
8
9
102
2
93
Incident Energy (MeV)
38-Sr-82