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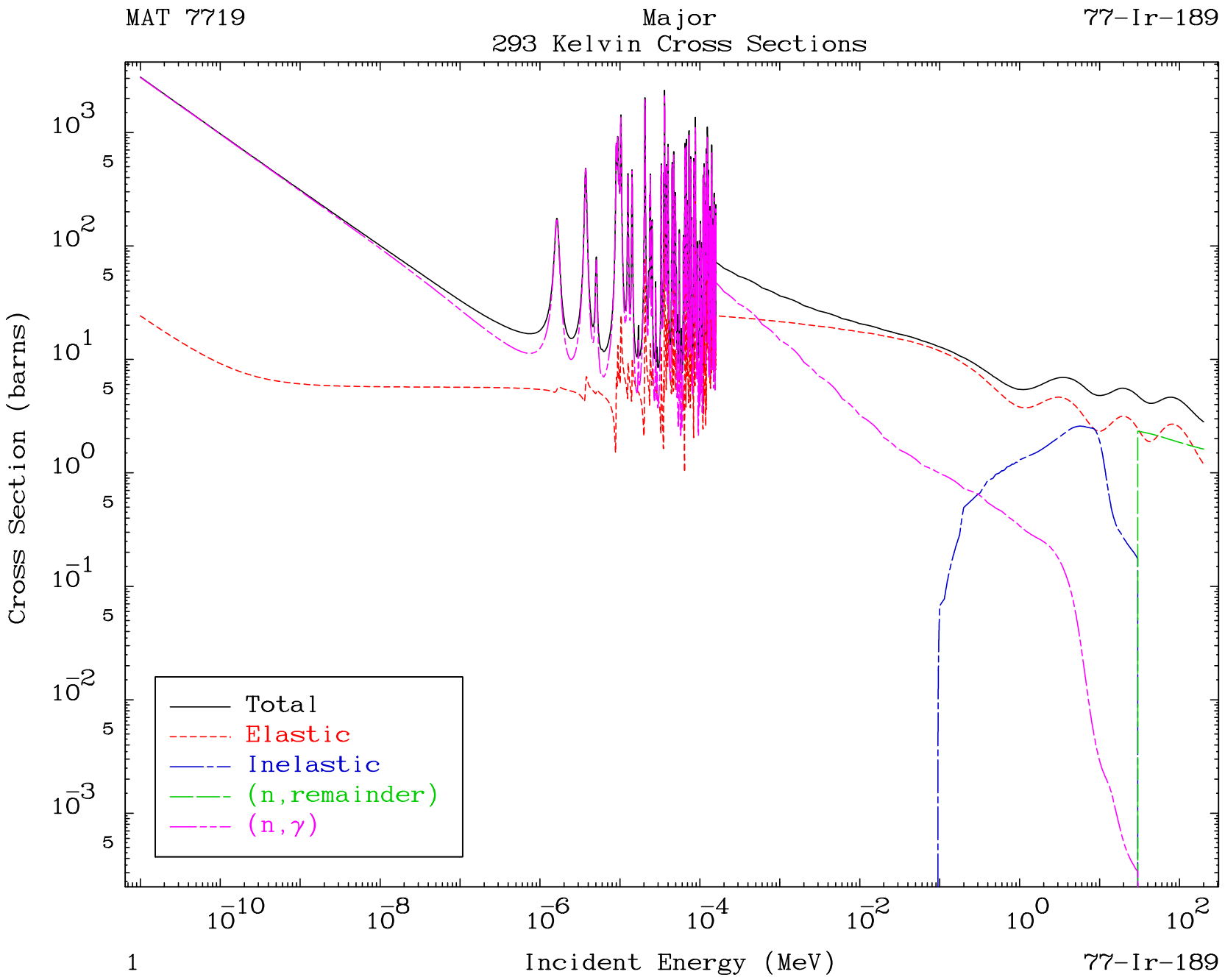
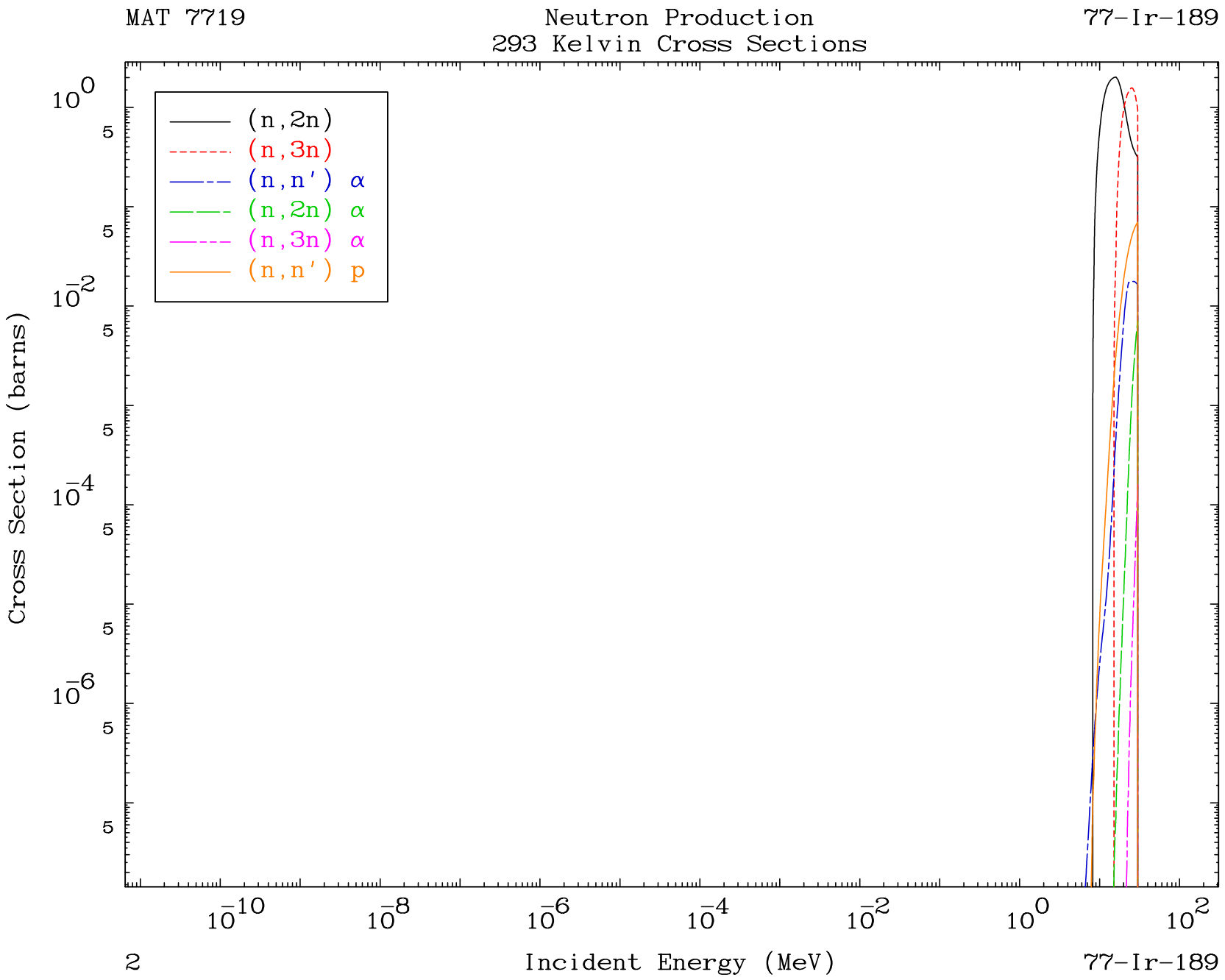
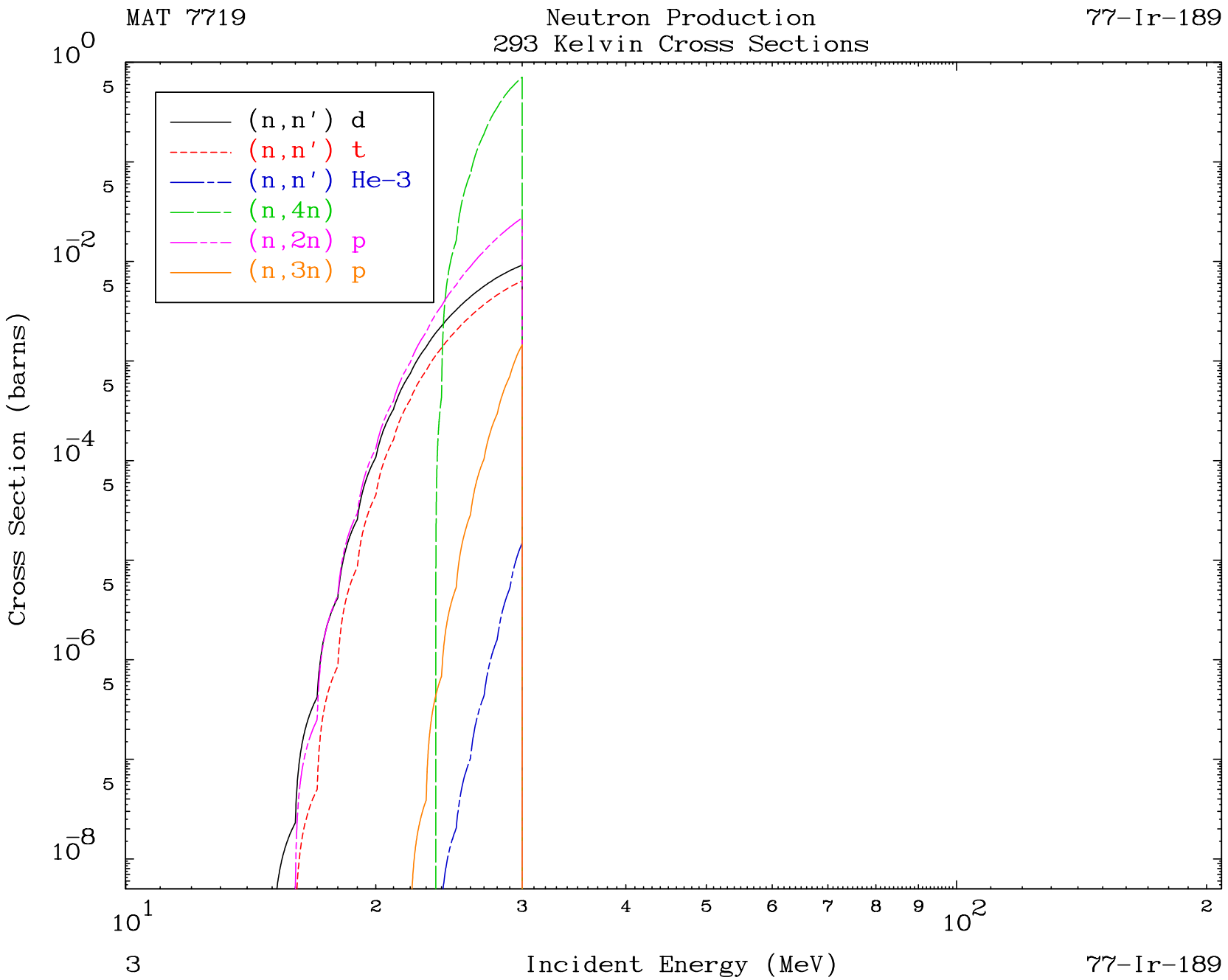
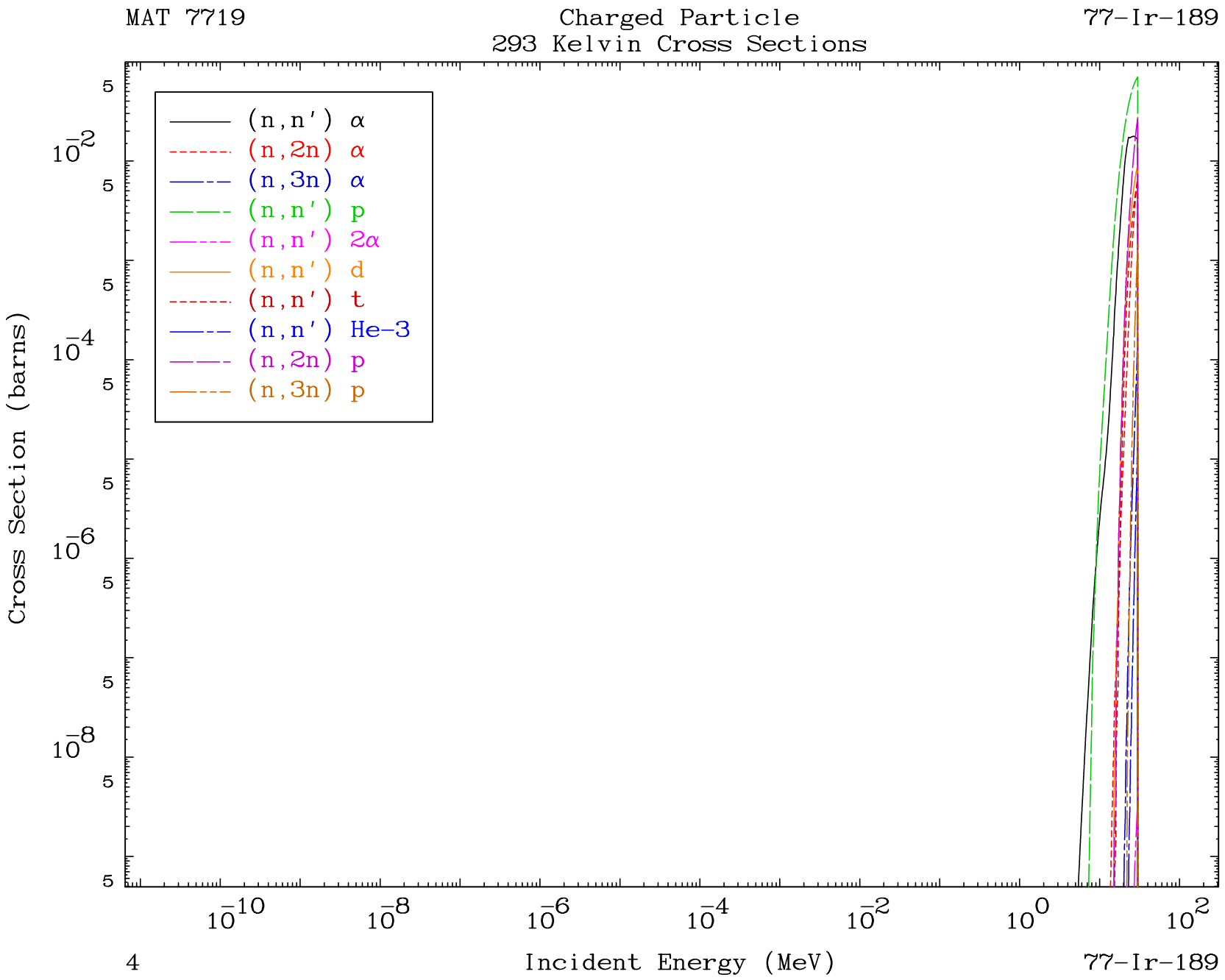
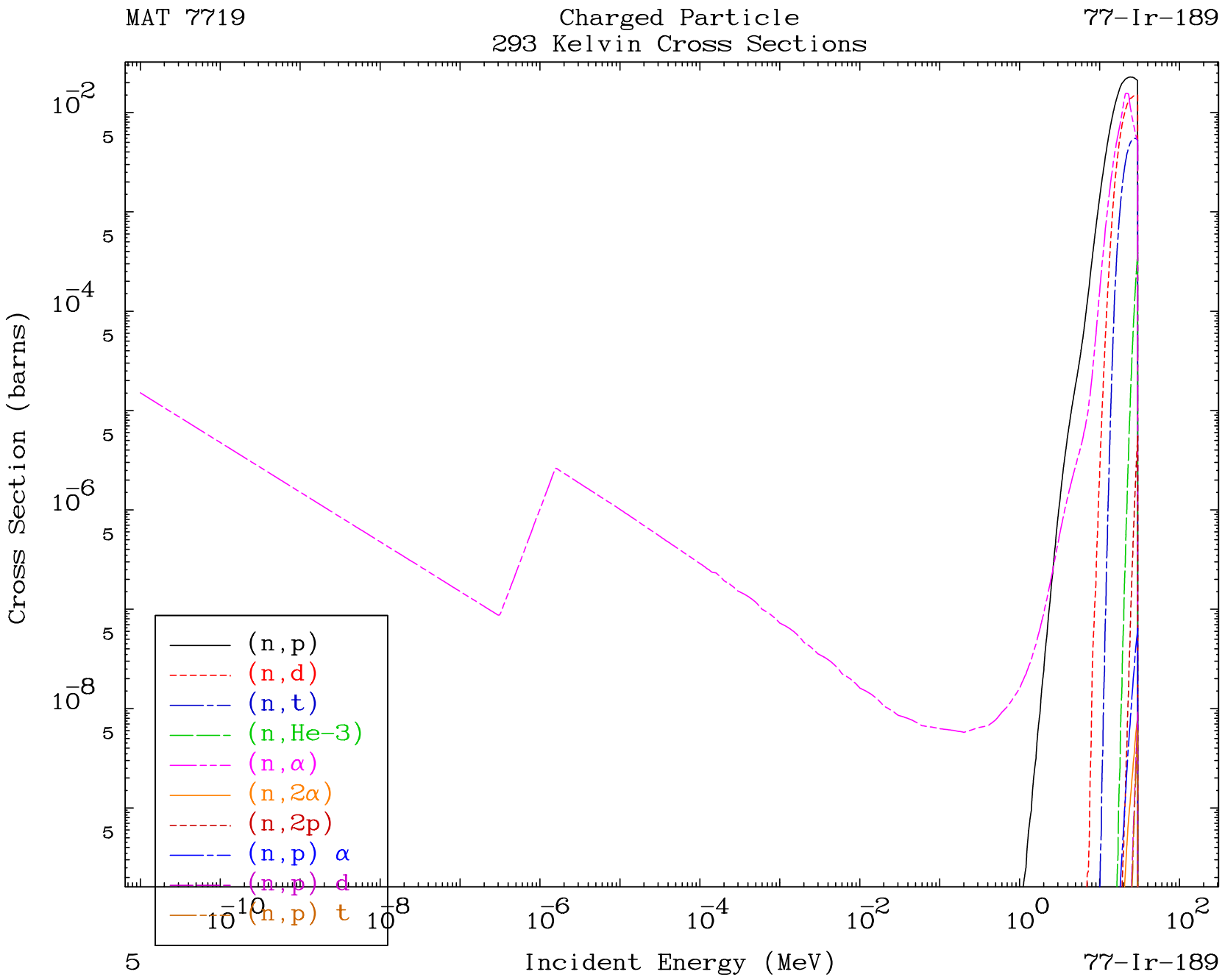
Press Mouse Button to Start

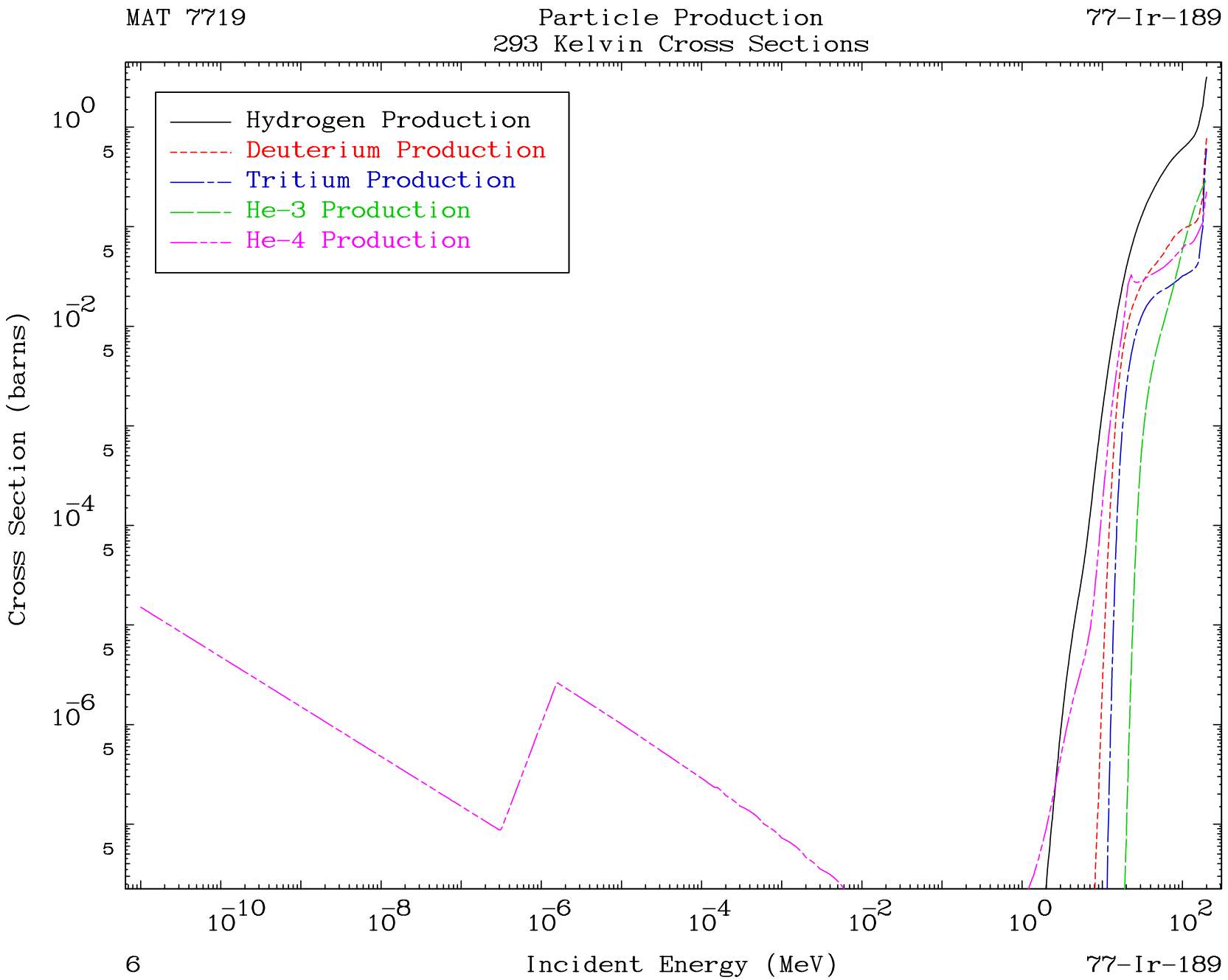

MAT 7719
Major
77-Ir-189
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
77-Ir-189

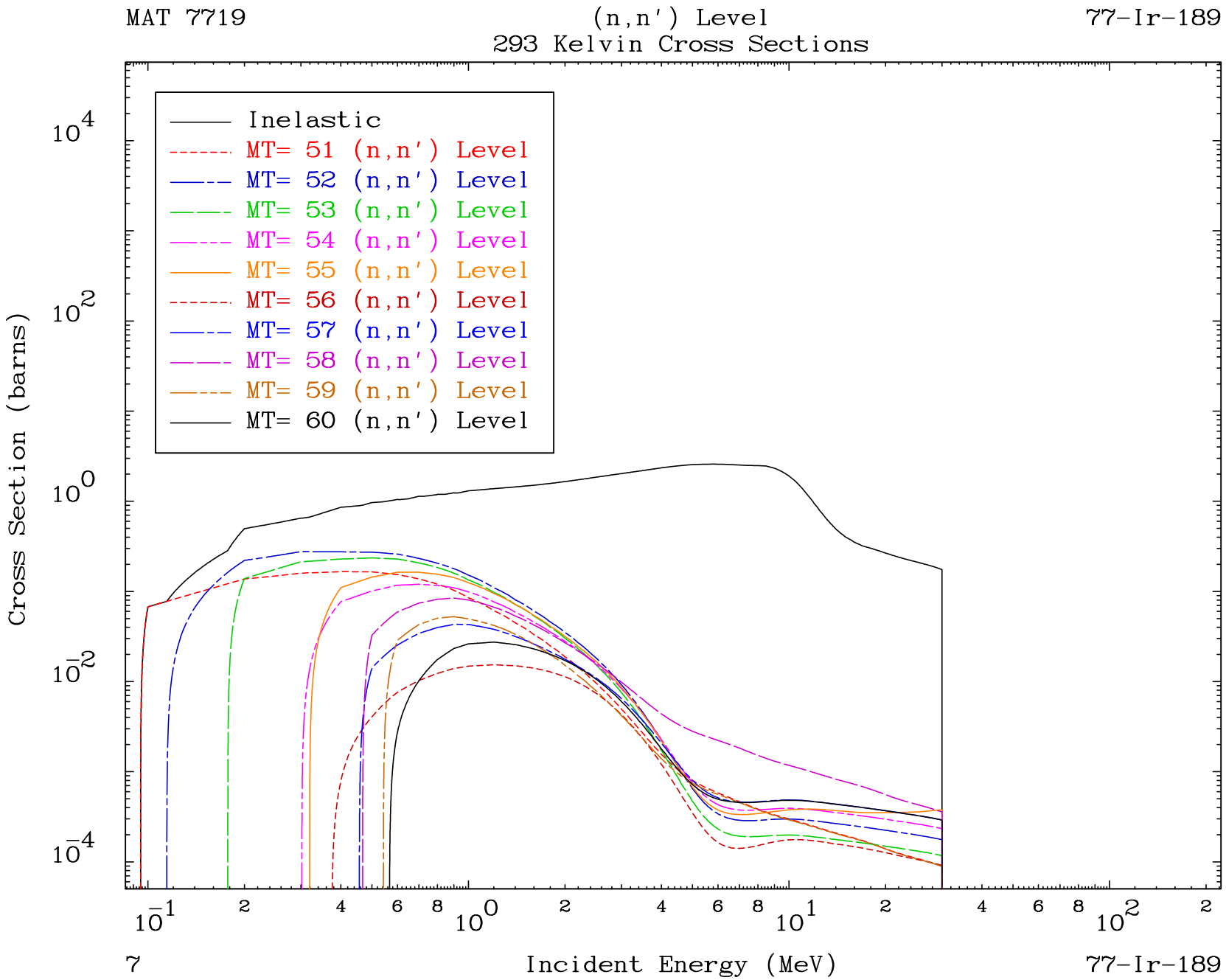

MAT 7719
Neutron Production
293 Kelvin Cross Sections
77-Ir-189
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
2
77-Ir-189

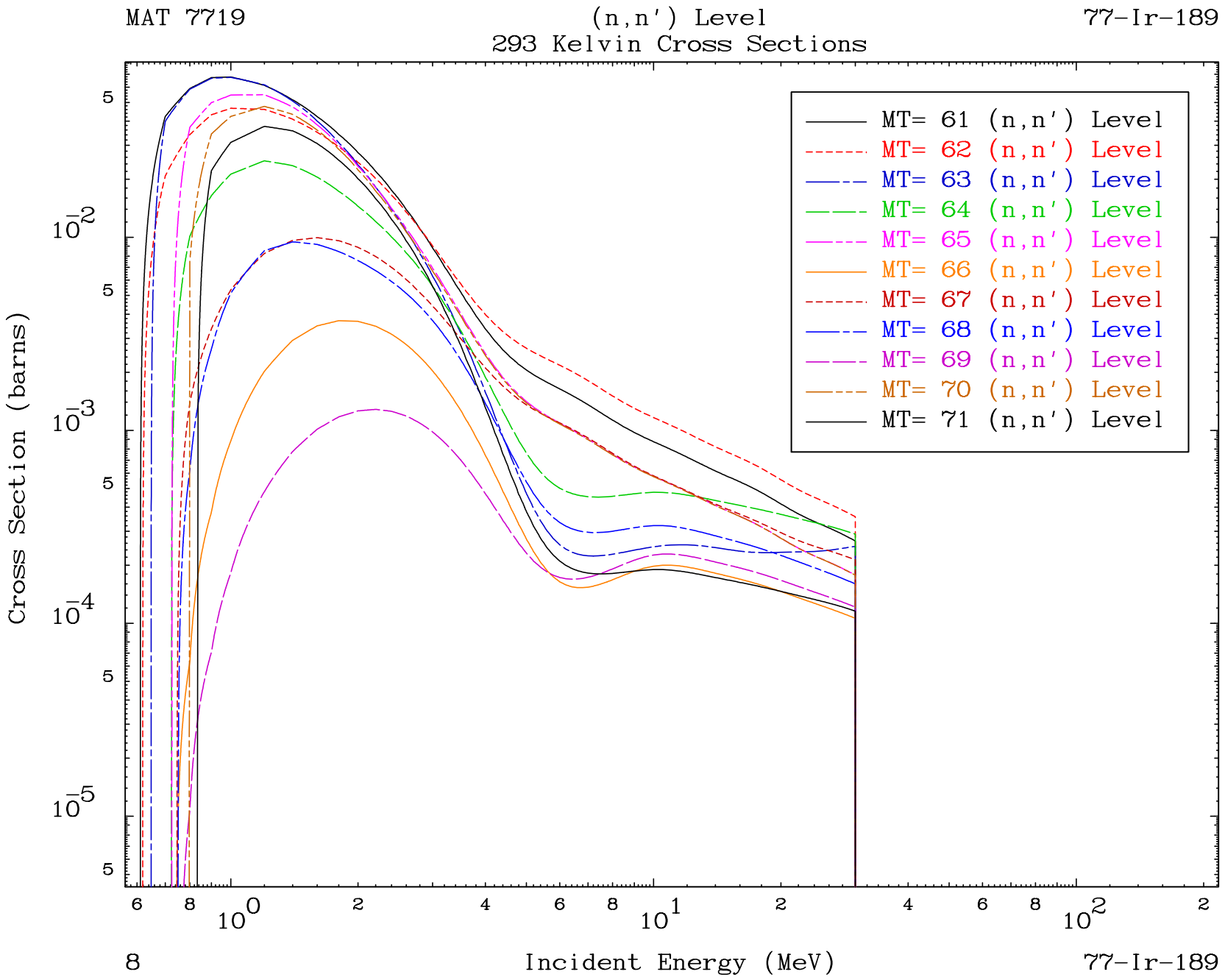

MAT 7719
Neutron Production
293 Kelvin Cross Sections
77-Ir-189
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
77-Ir-189
3

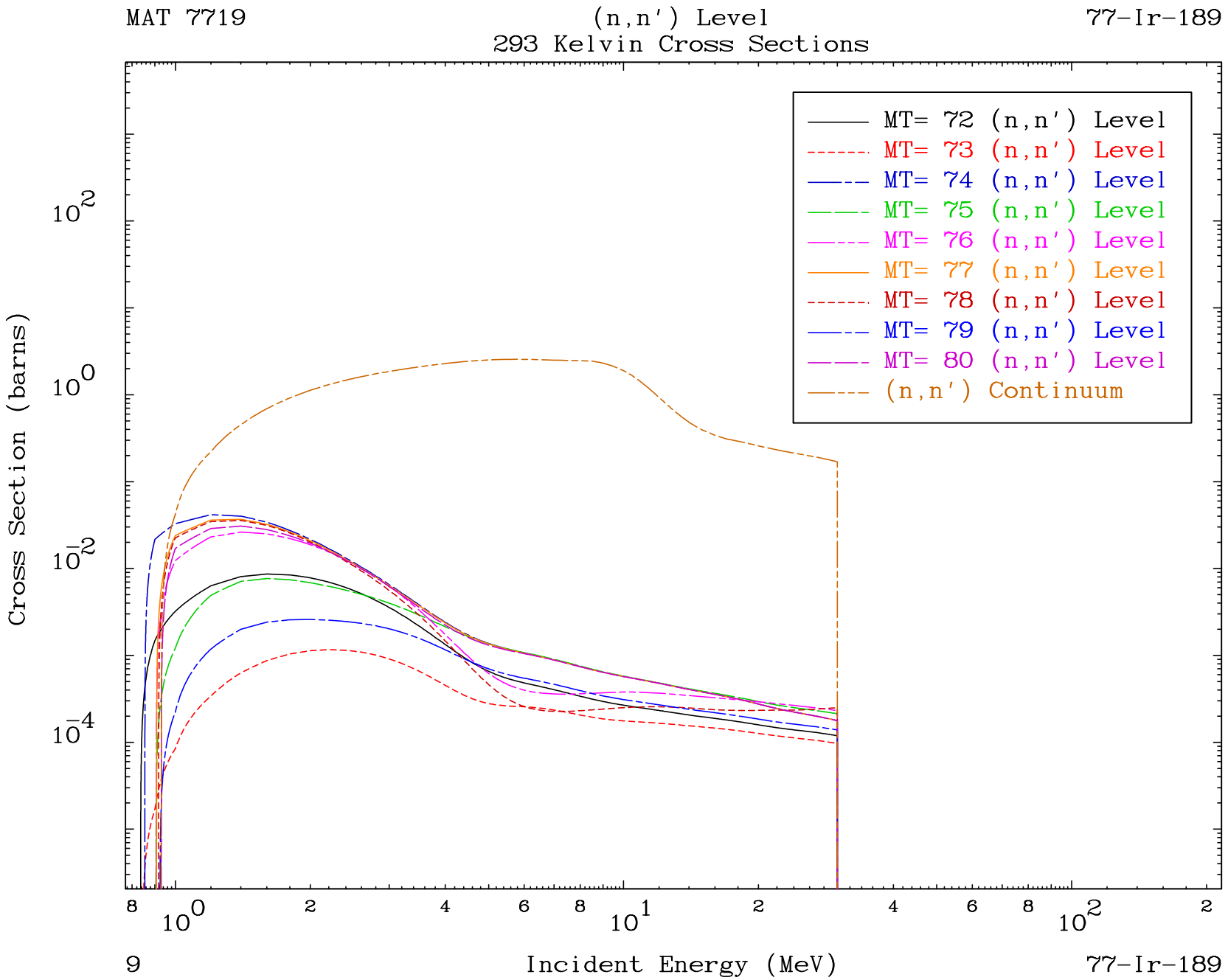

MAT 7719
Charged Particle
77-Ir-189
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-189

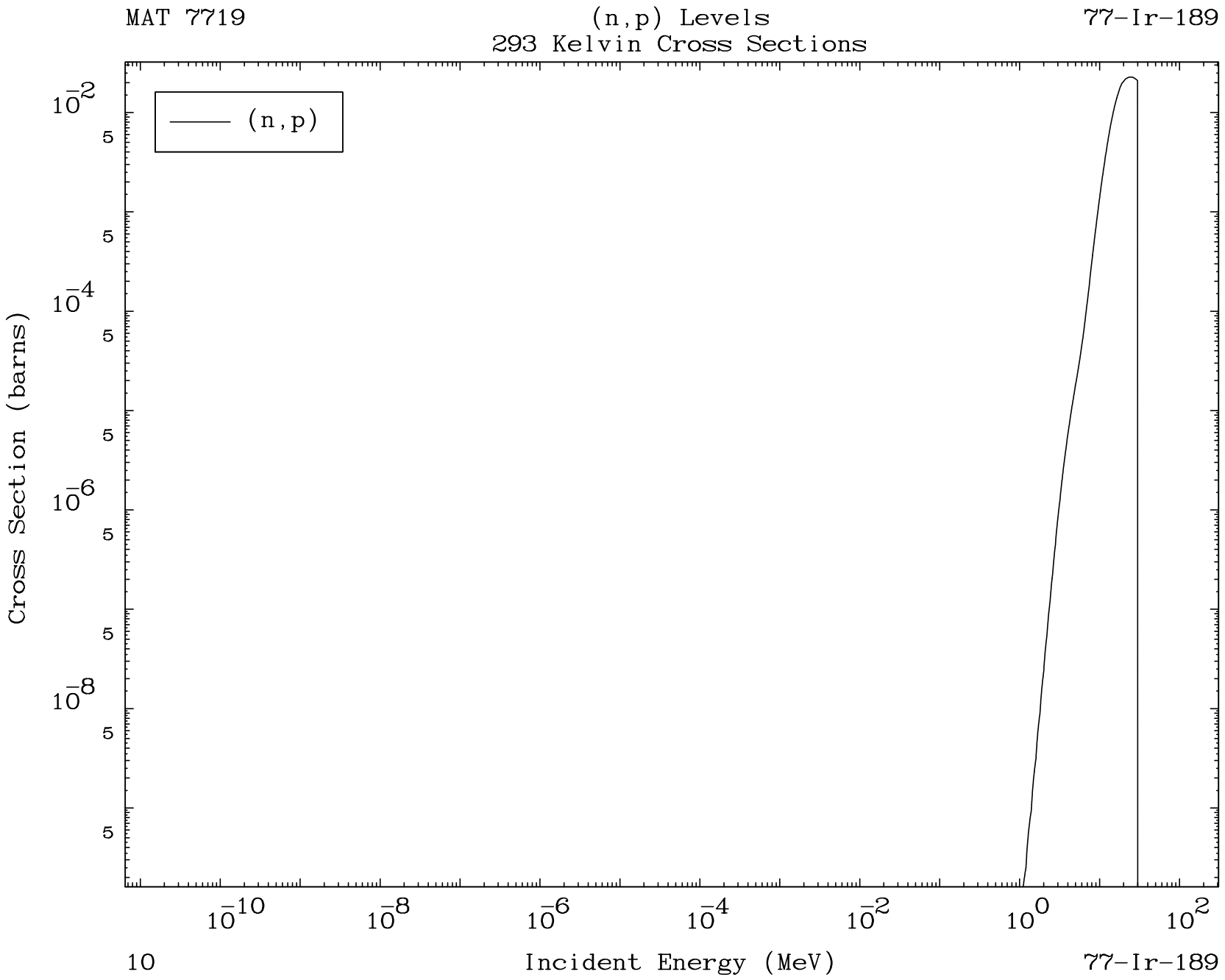

MAT 7719
Charged Particle
293 Kelvin Cross Sections
77-Ir-189
Cross Section (barns)
Incident Energy (MeV)
77-Ir-189
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t

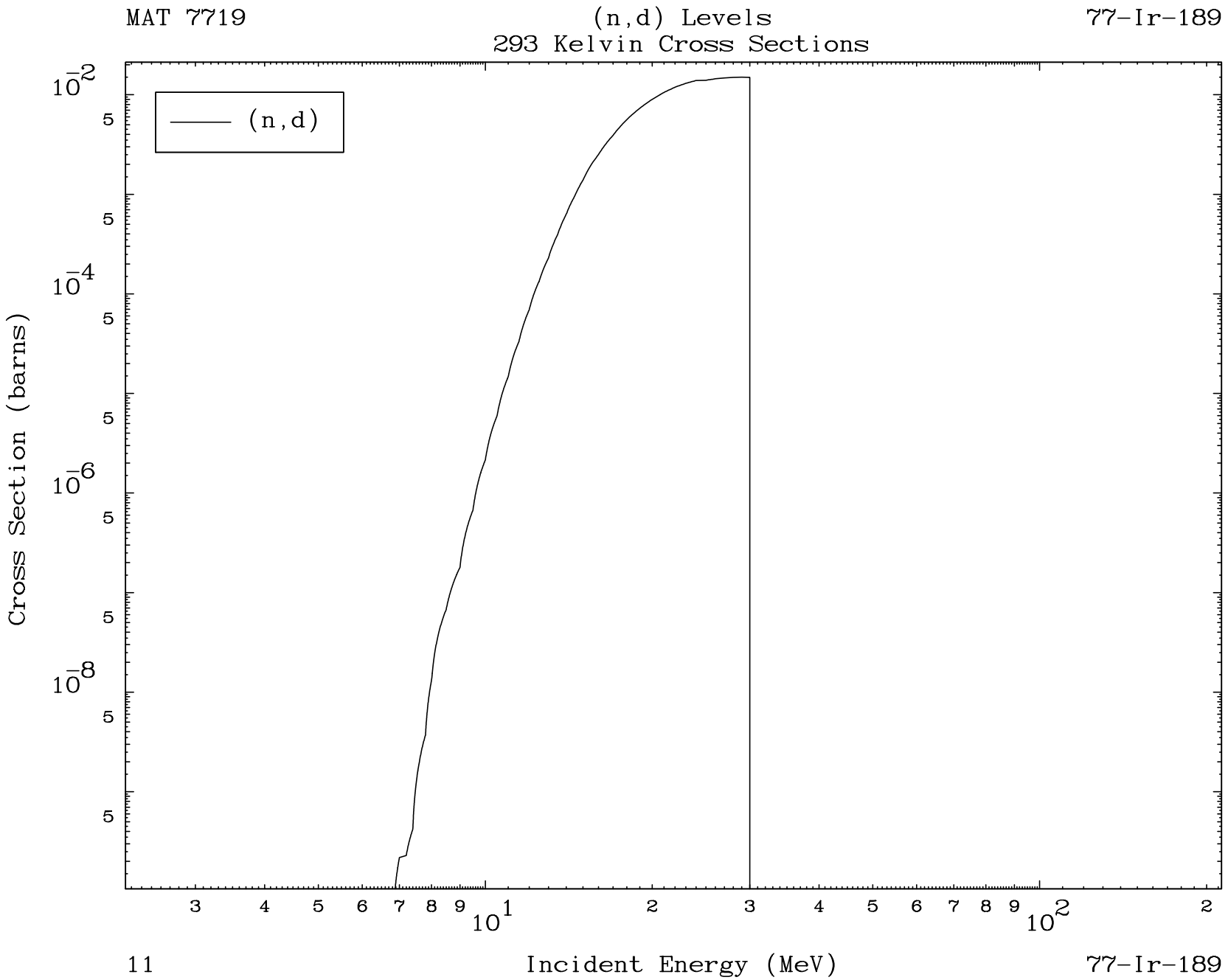

MAT 7719
Particle Production
77-Ir-189
293 Kelvin Cross Sections
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
6
77-Ir-189

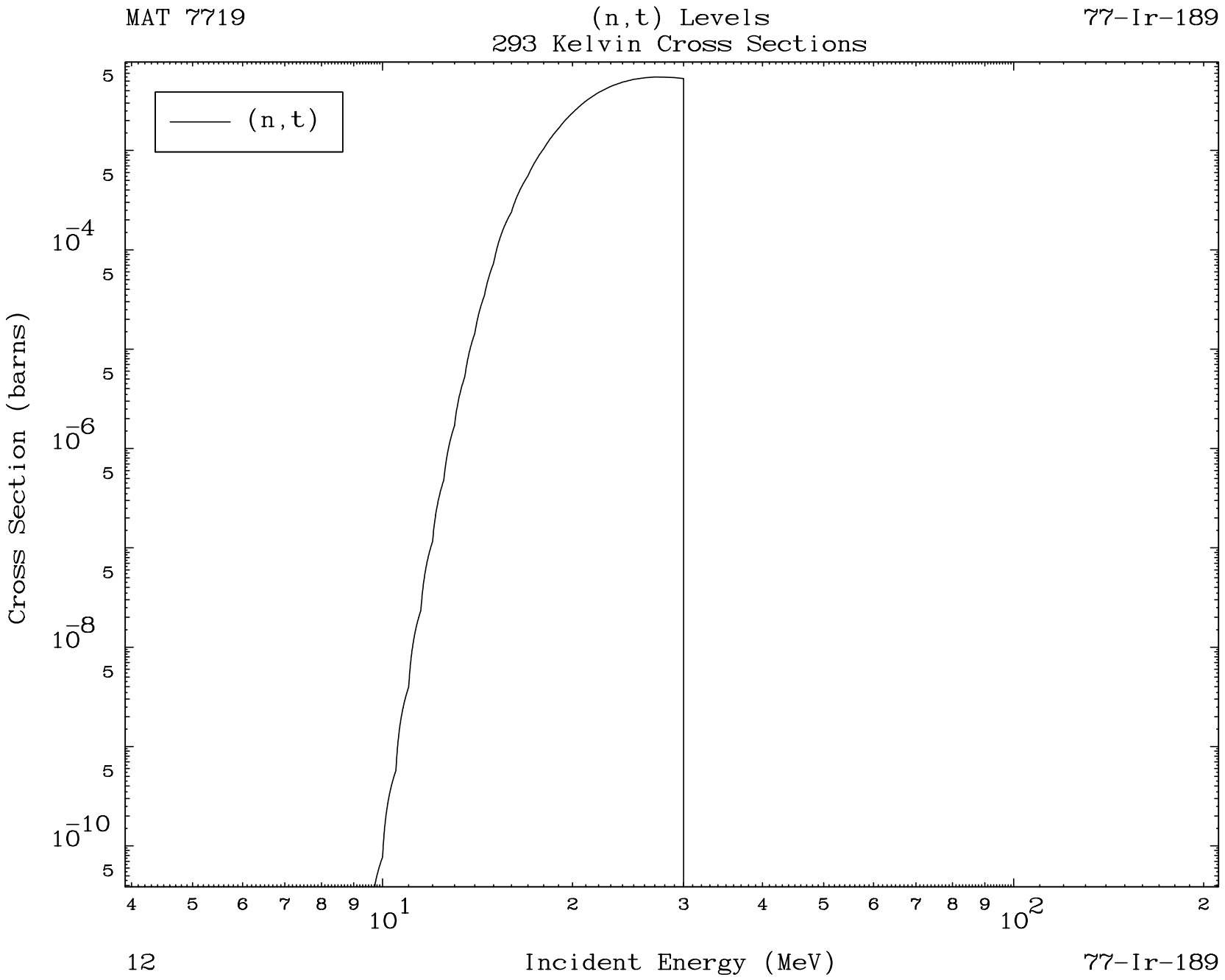

MAT 7719
(n,n') Level
77-Ir-189
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
77-Ir-189

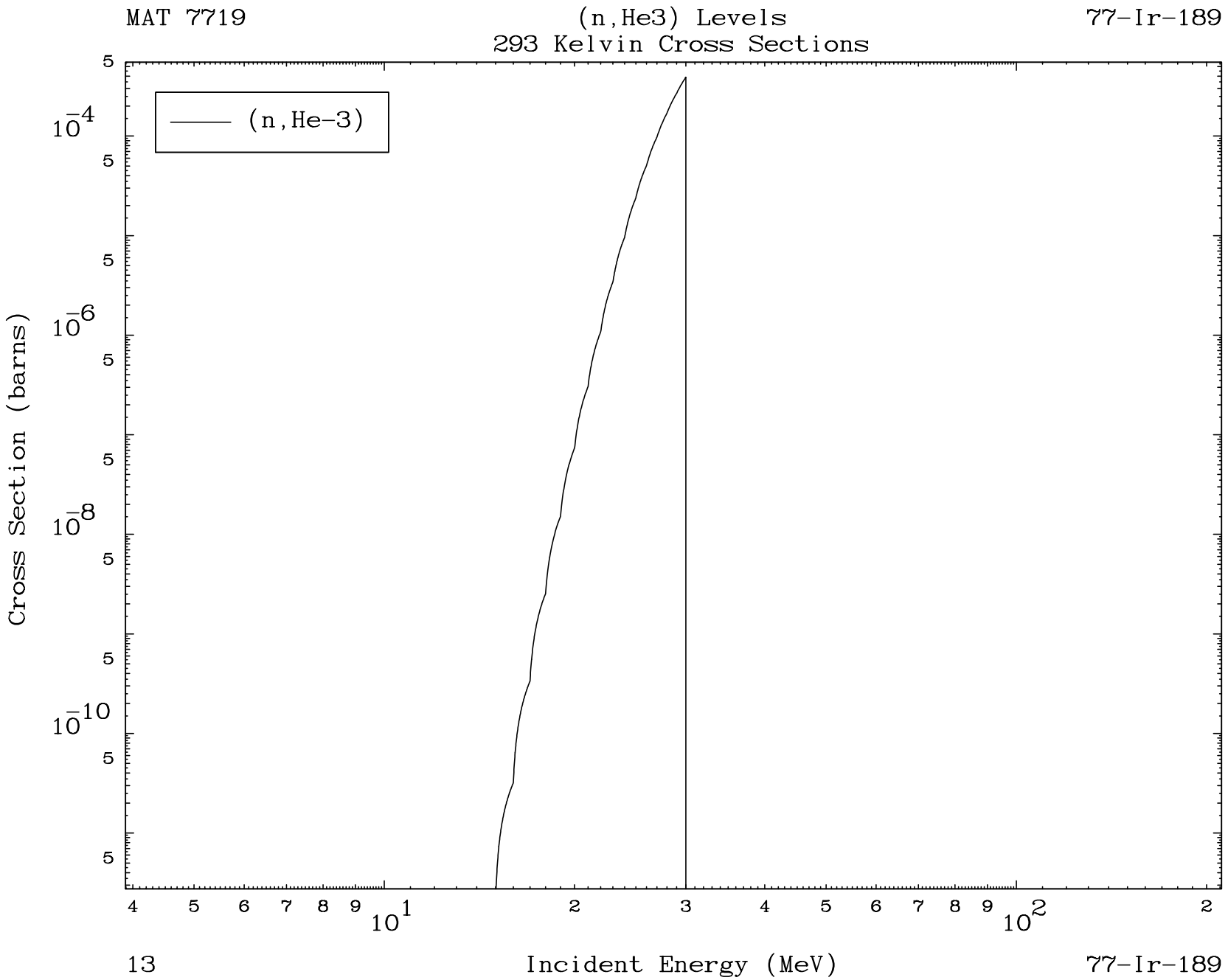

MAT 7719
(n,n') Level
293 Kelvin Cross Sections
77-Ir-189
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
77-Ir-189

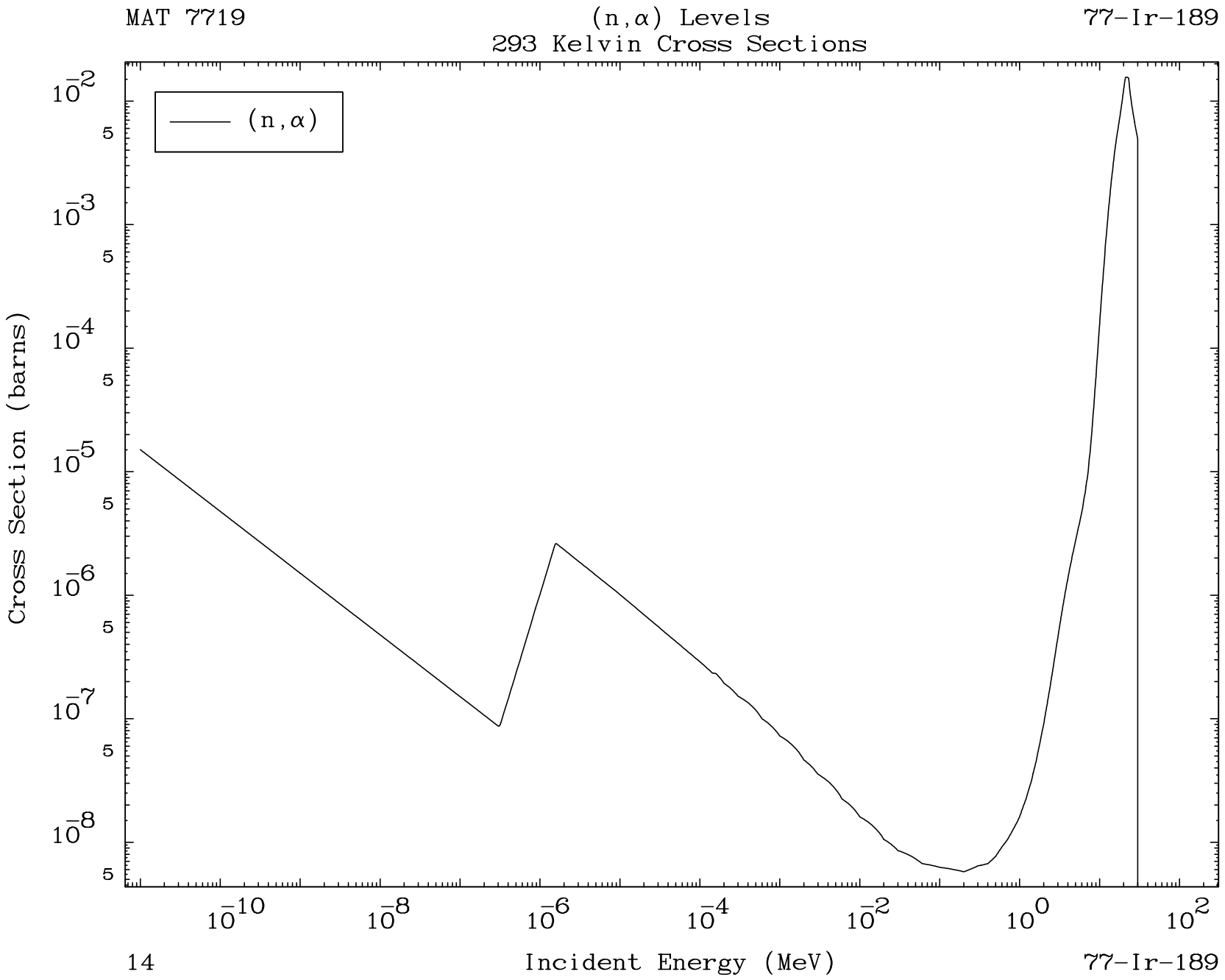

MAT 7719
(n,n') Level
293 Kelvin Cross Sections
77-Ir-189
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
77-Ir-189

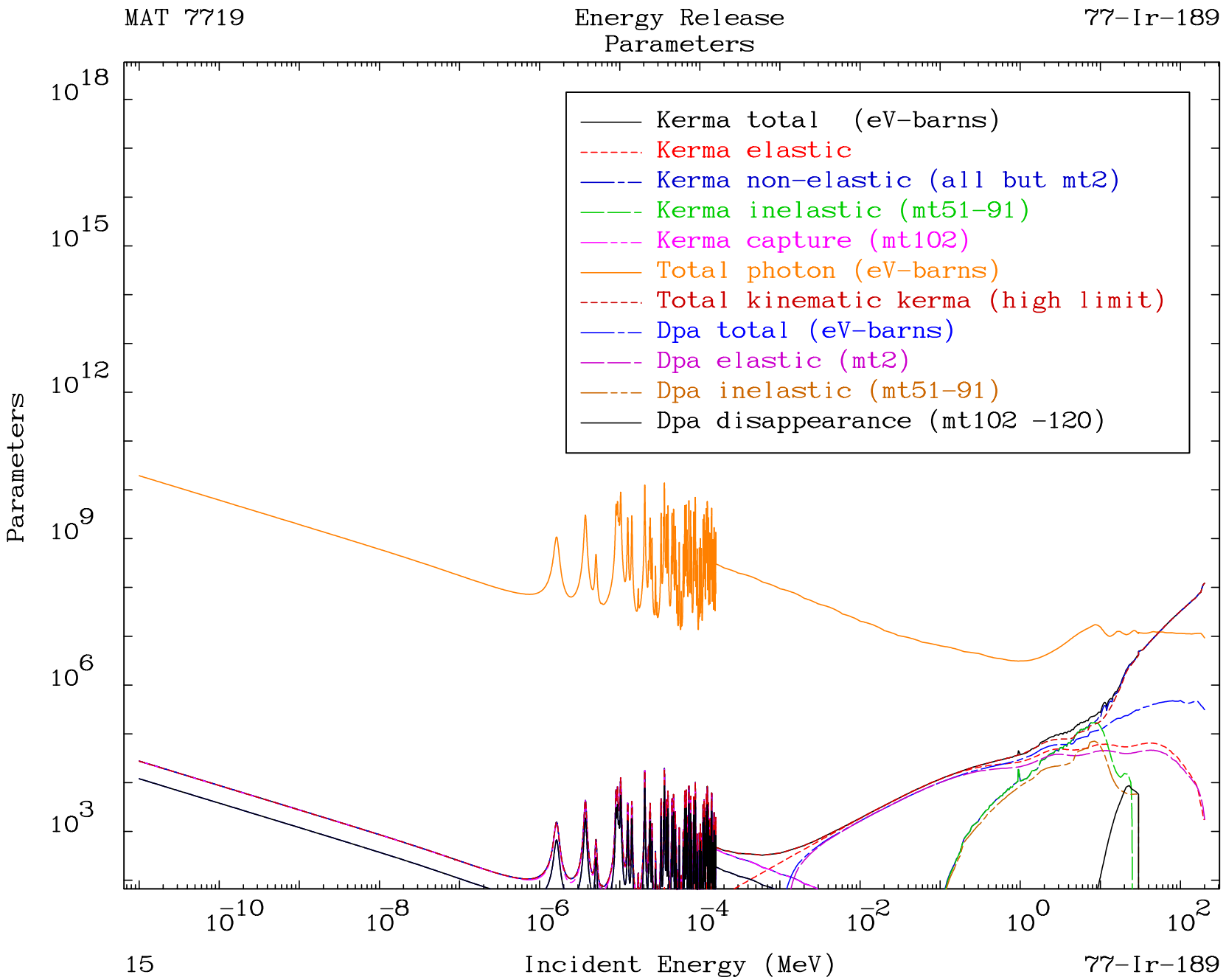

MAT 7719
(n,p) Levels
77-Ir-189
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10
77-Ir-189

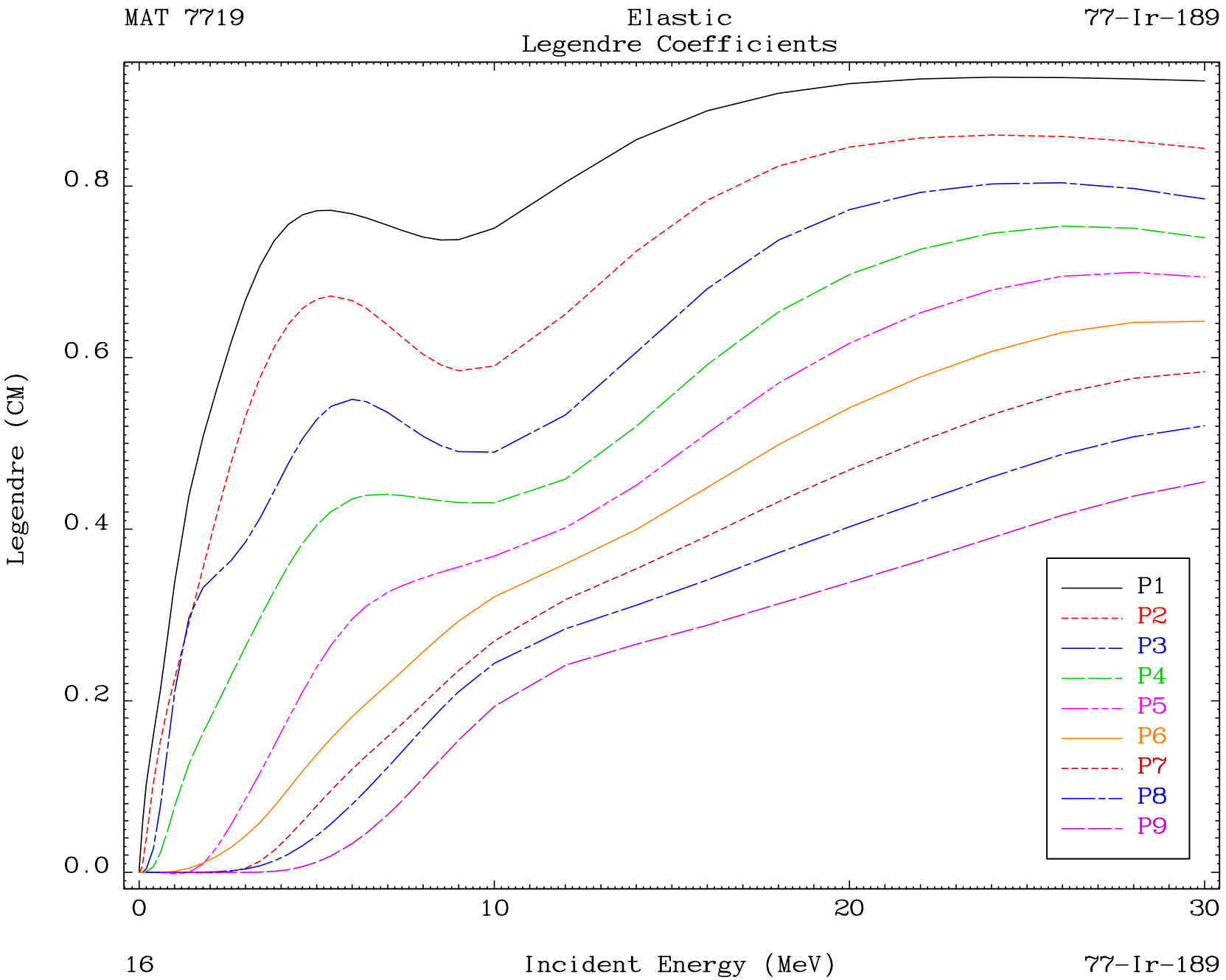

MAT 7719
(n,d) Levels
77-Ir-189
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
77-Ir-189

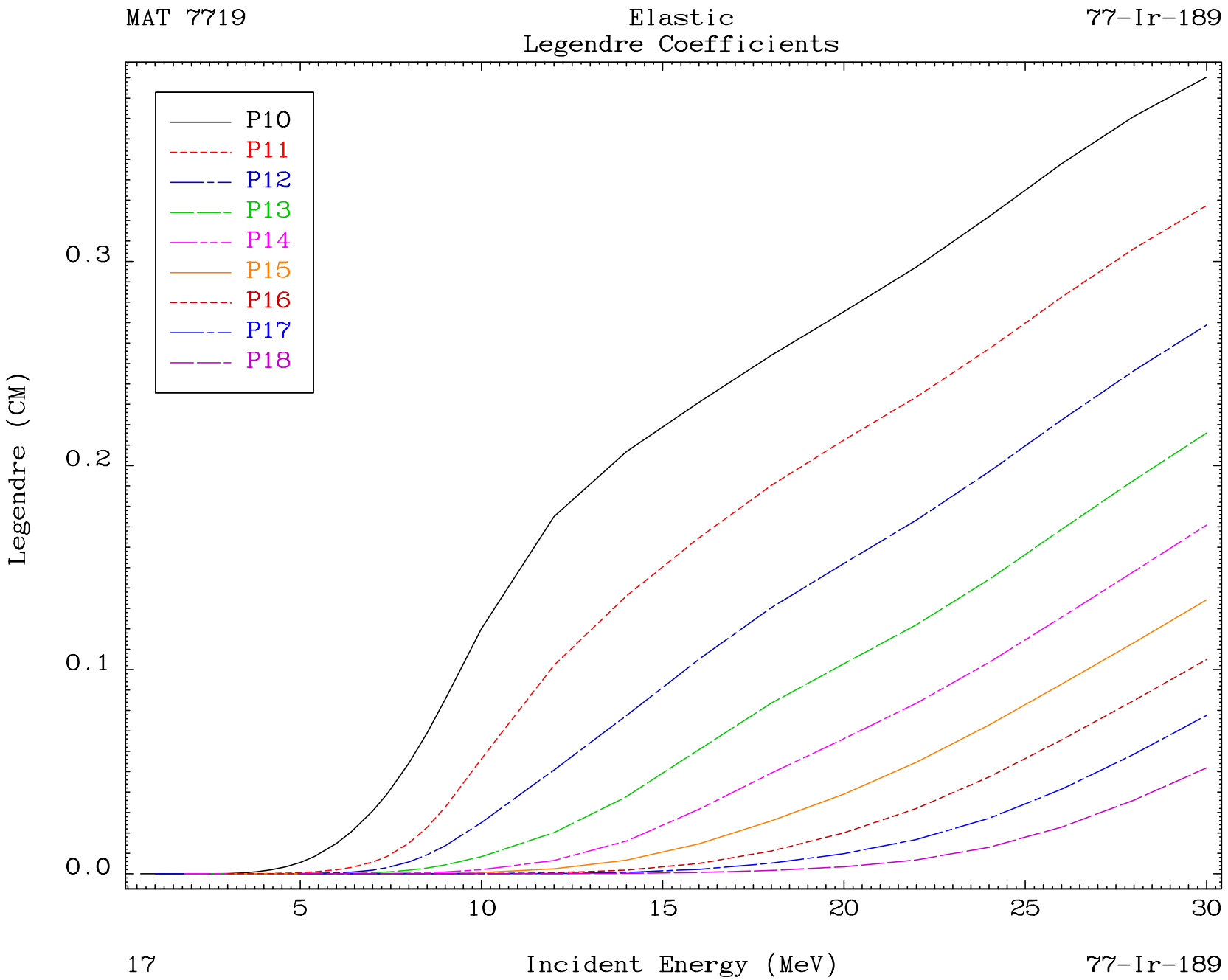

MAT 7719
(n,t) Levels
77-Ir-189
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-189

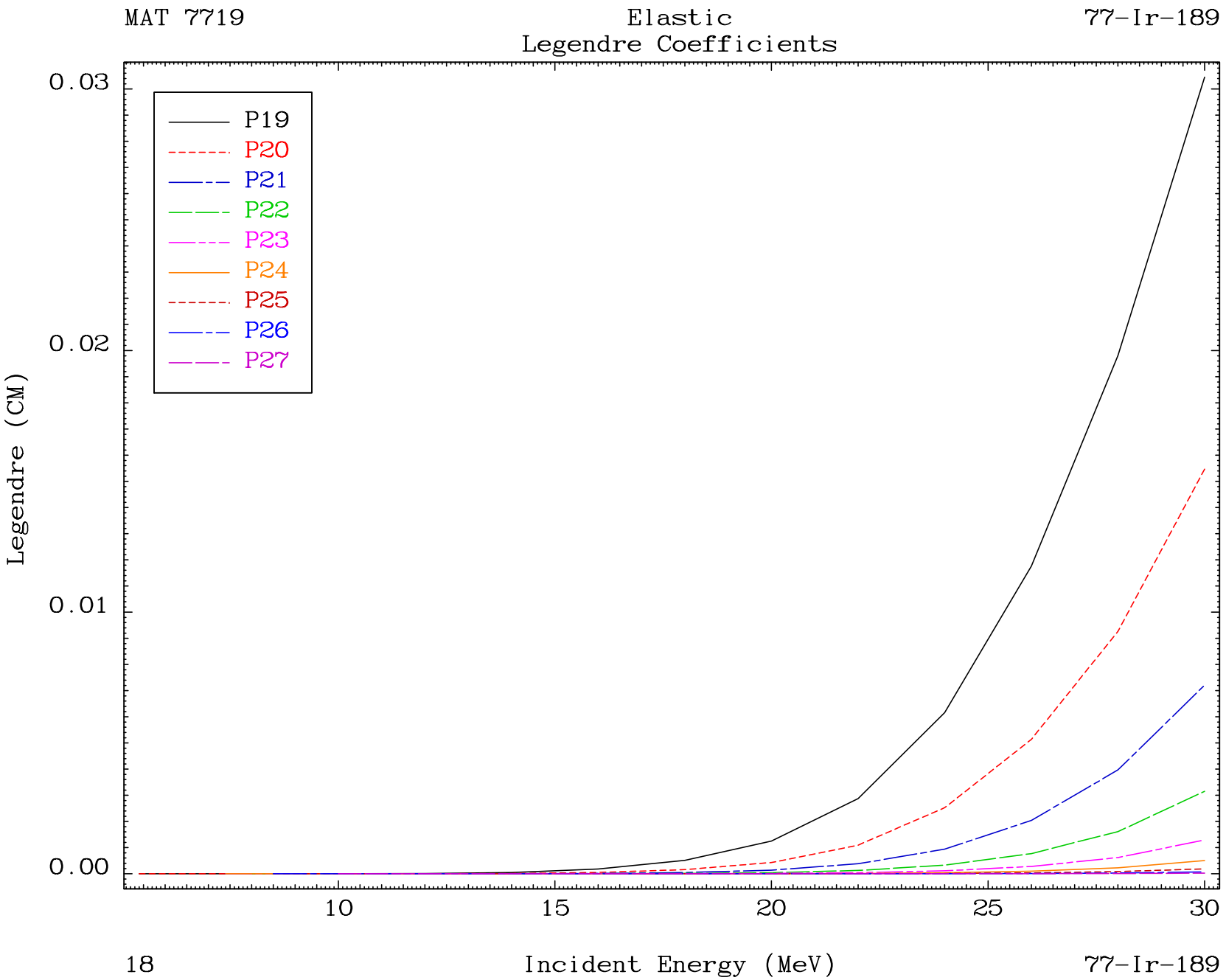

MAT 7719
(n,He3) Levels
77-Ir-189
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-189

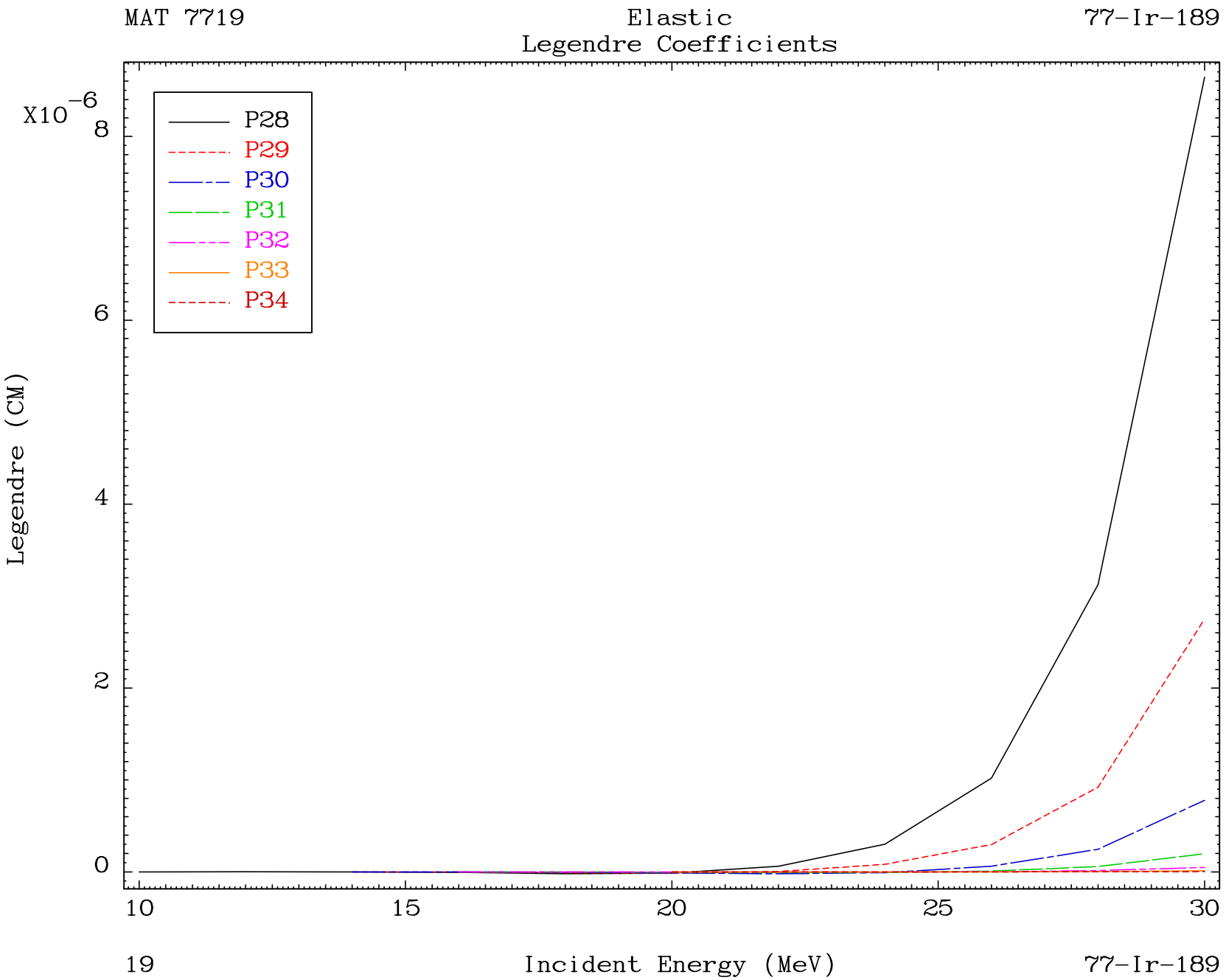

MAT 7719
(n,α) Levels
77-Ir-189
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
14
77-Ir-189

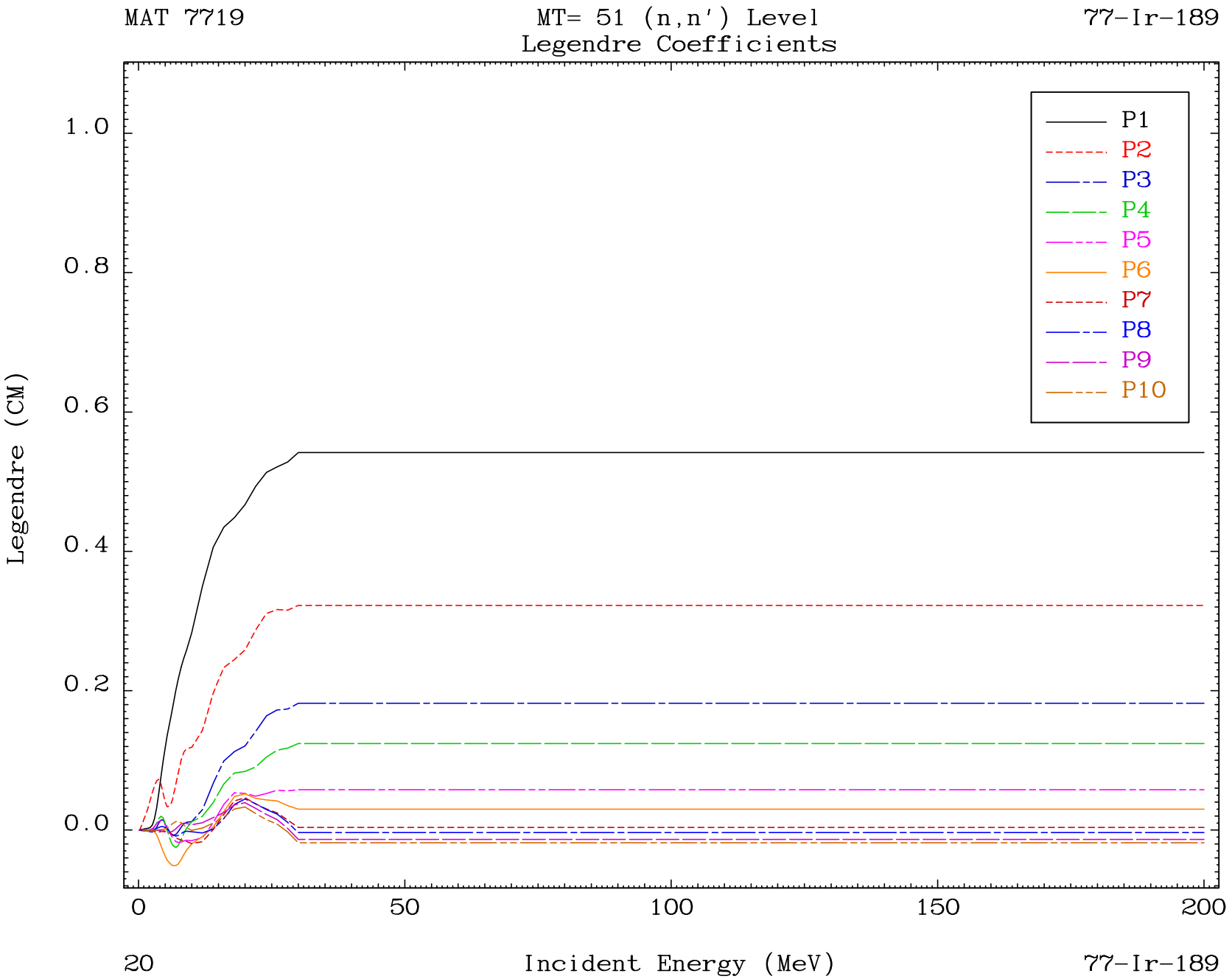

MAT 7719
Energy Release
Parameters
77-Ir-189
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (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}
Incident Energy (MeV)
15
77-Ir-189

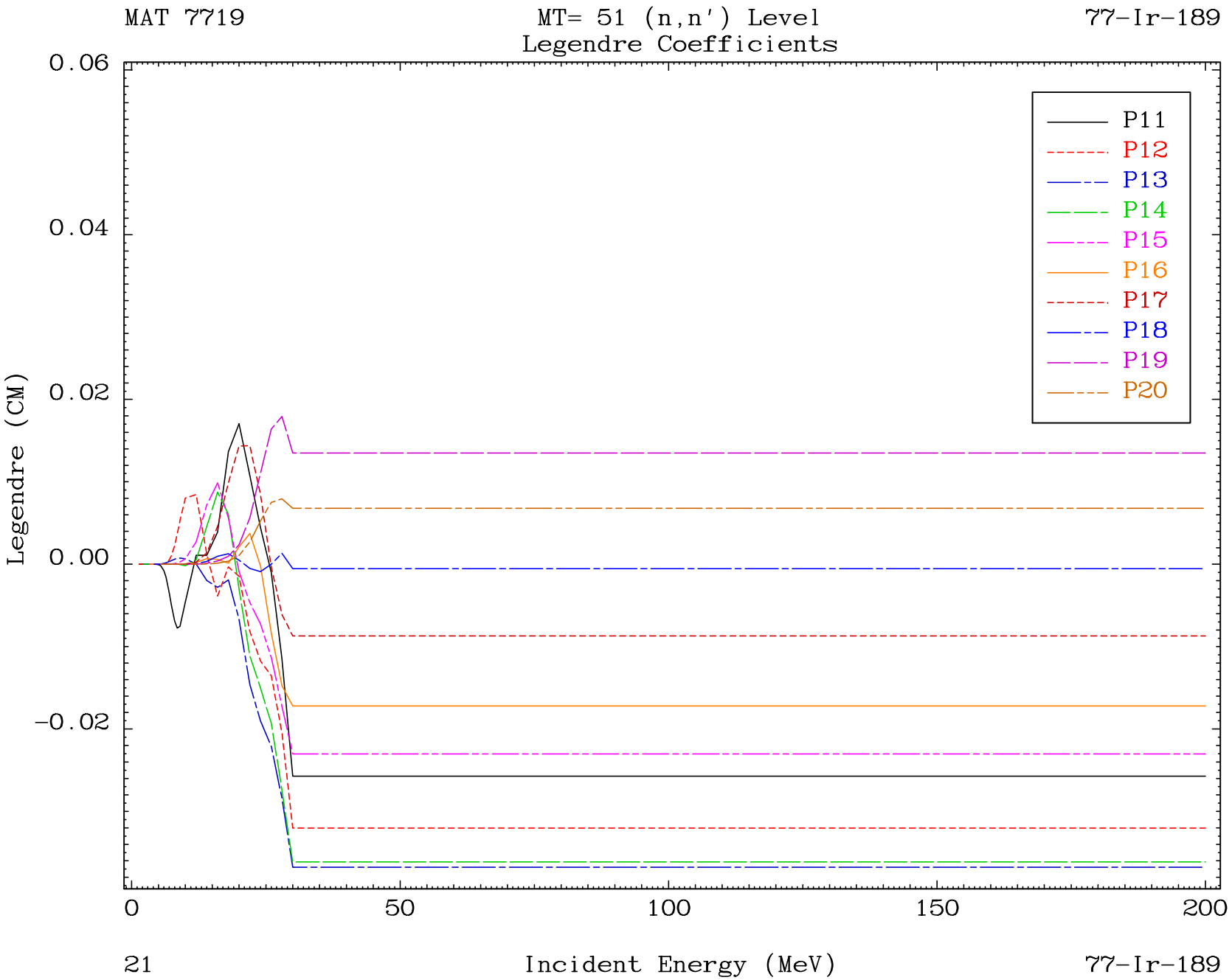

MAT 7719
Elastic
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9

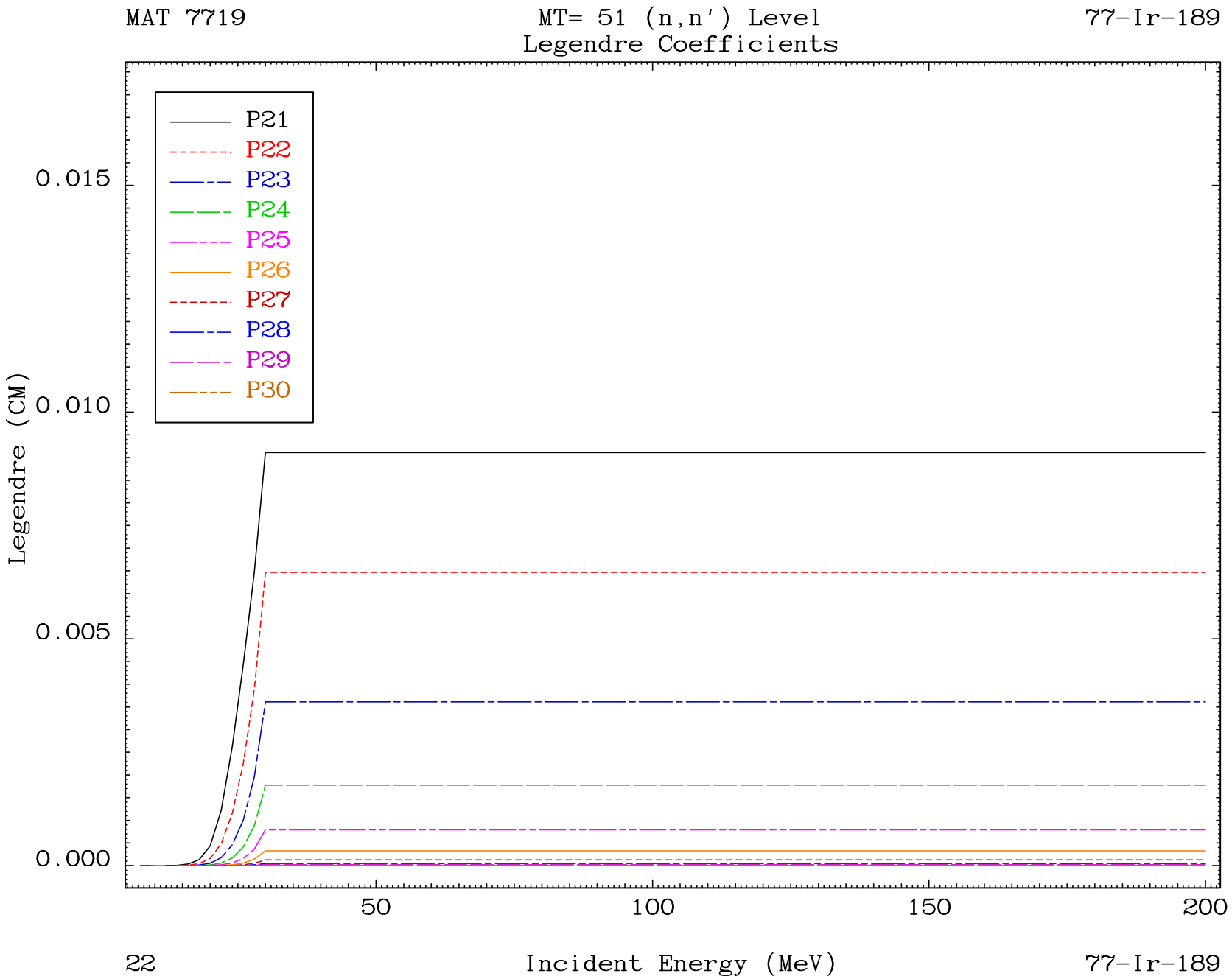

MAT 7719
Elastic
Legendre Coefficients
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
77-Ir-189

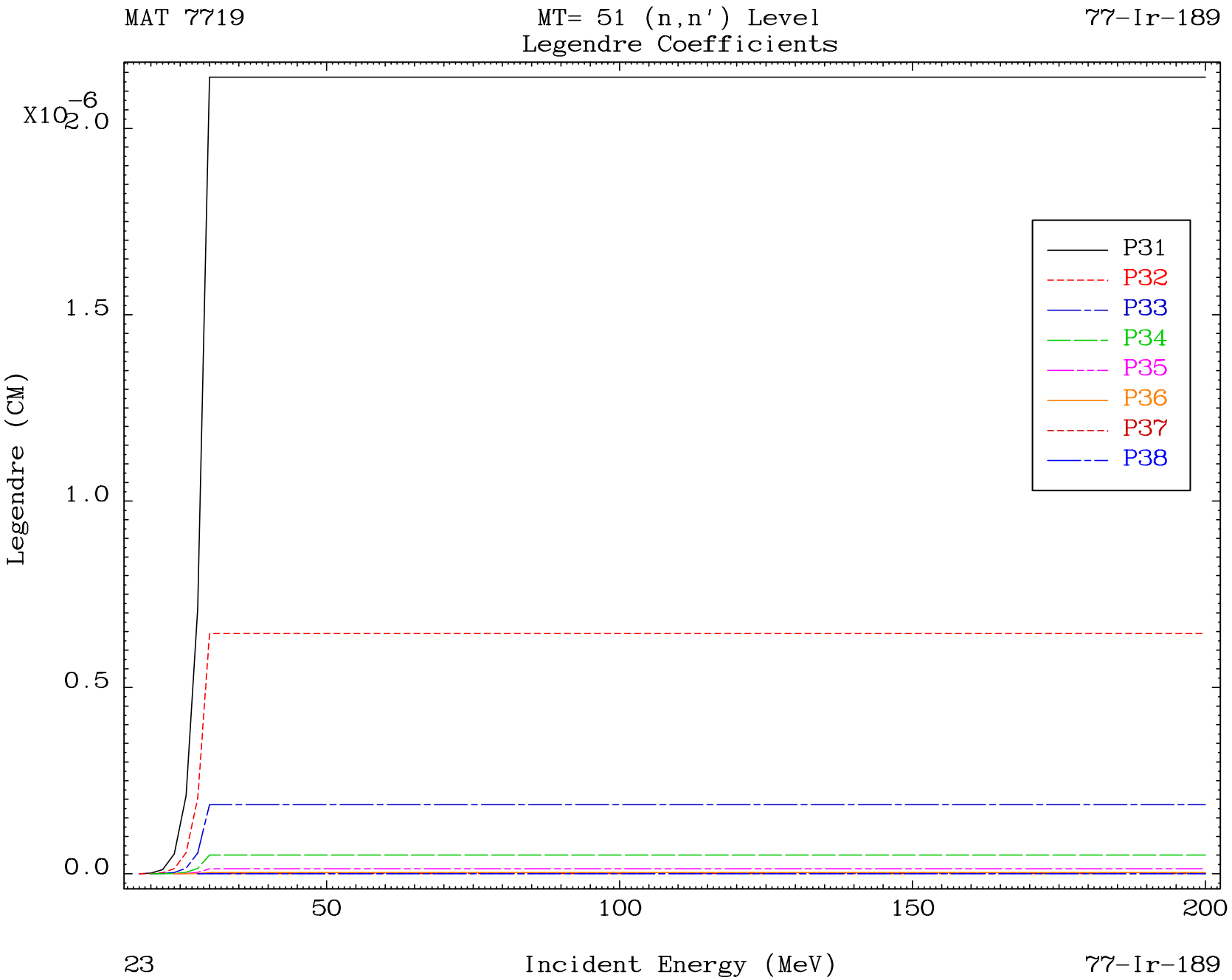

MAT 7719
Elastic
Legendre Coefficients
77-Ir-189
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.03
0.02
0.01
0.00
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
77-Ir-189

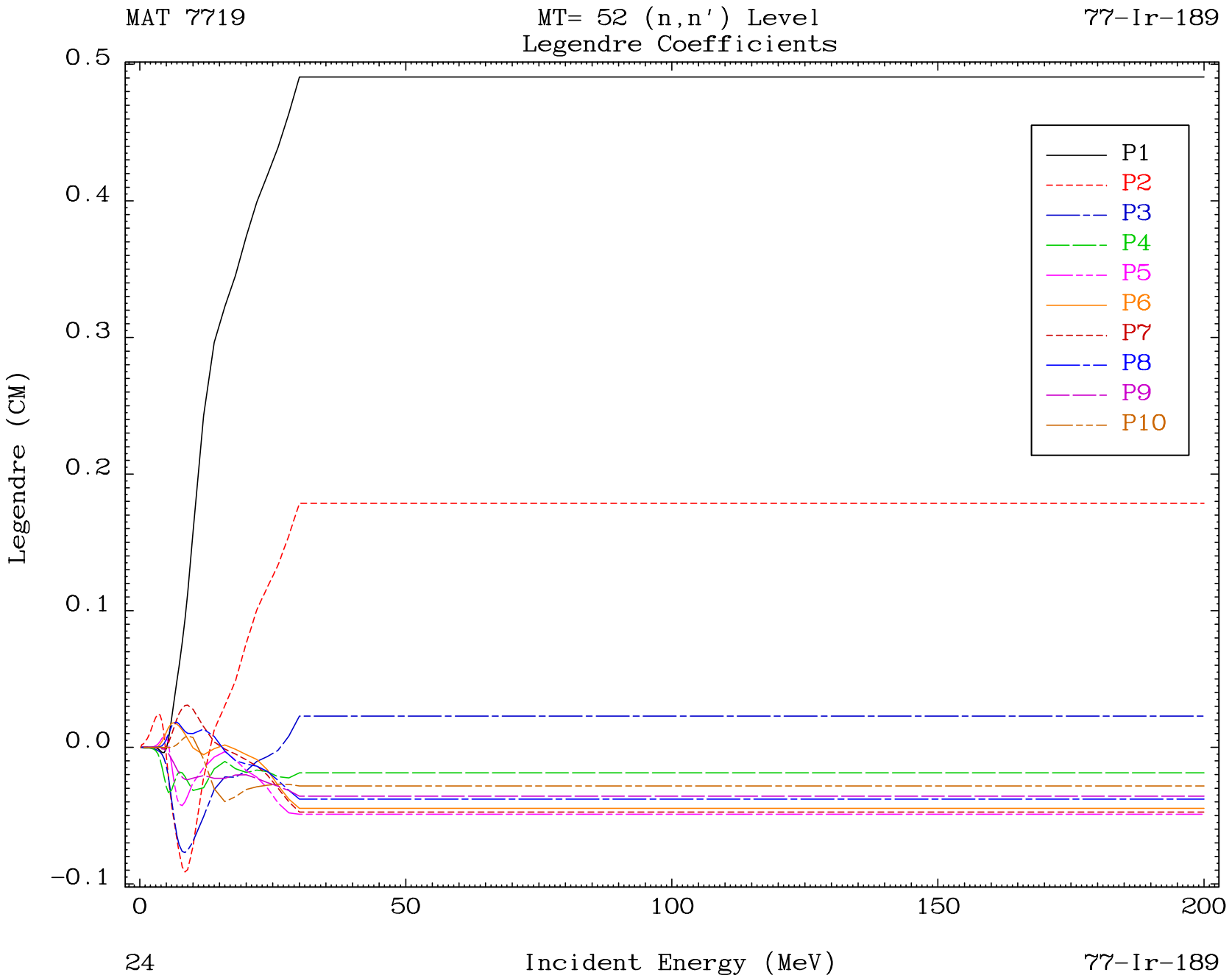

MAT 7719
Elastic
Legendre Coefficients
77-Ir-189
X10 −6
8
6
4
2
0
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
10
15
20
25
30
19
Incident Energy (MeV)
77-Ir-189

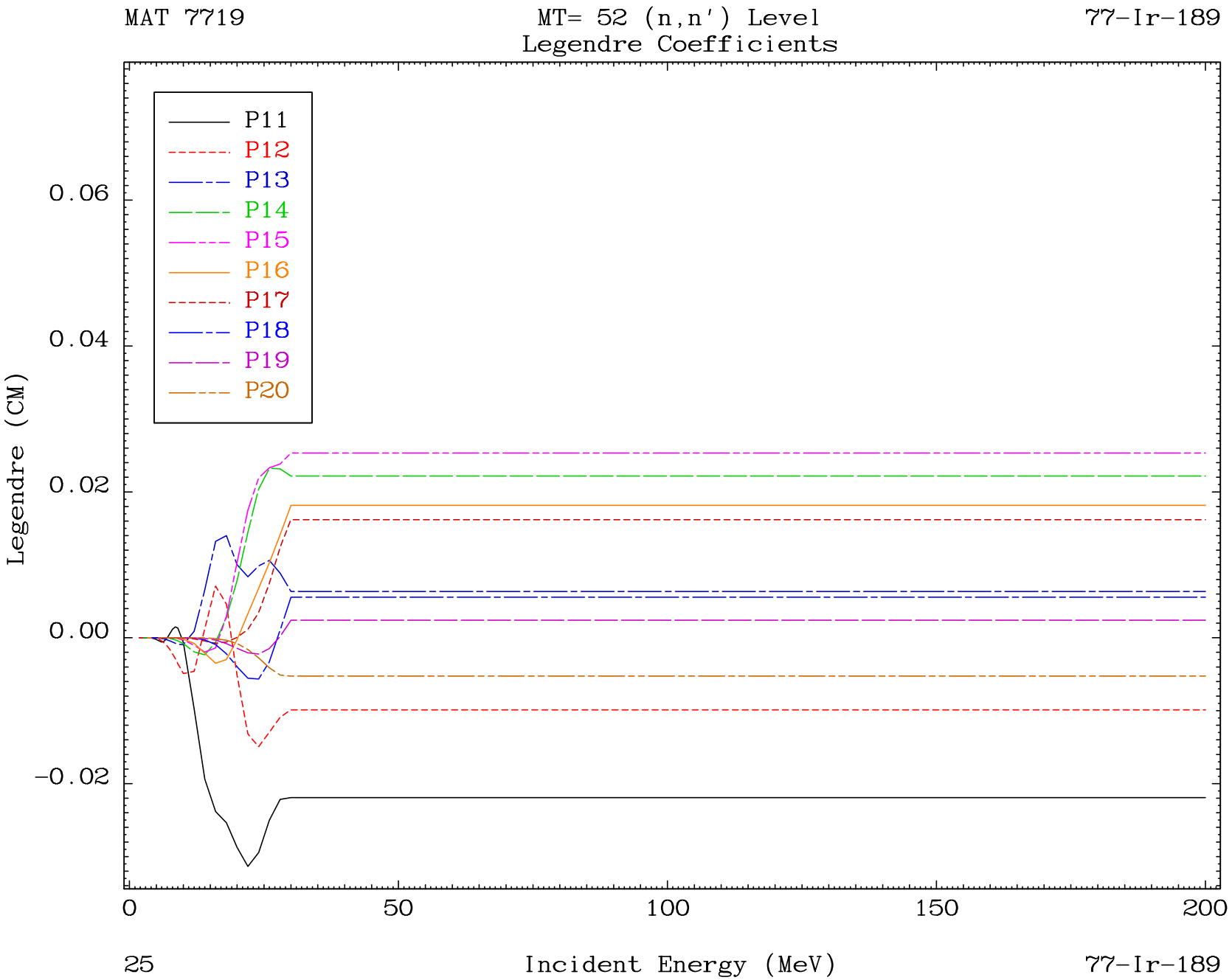

MAT 7719
MT= 51 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
77-Ir-189

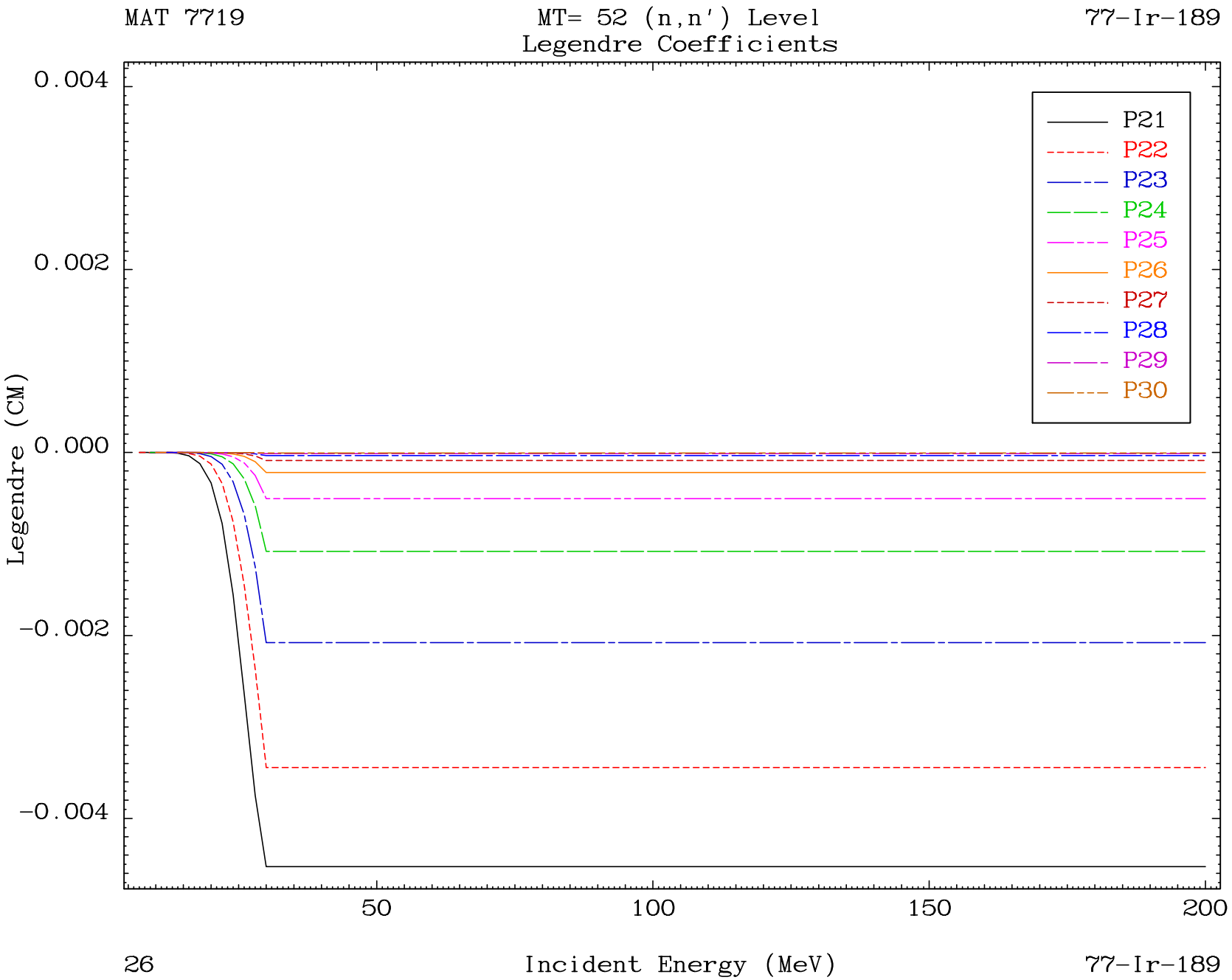

MAT 7719
MT= 51 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
21
Incident Energy (MeV)
77-Ir-189

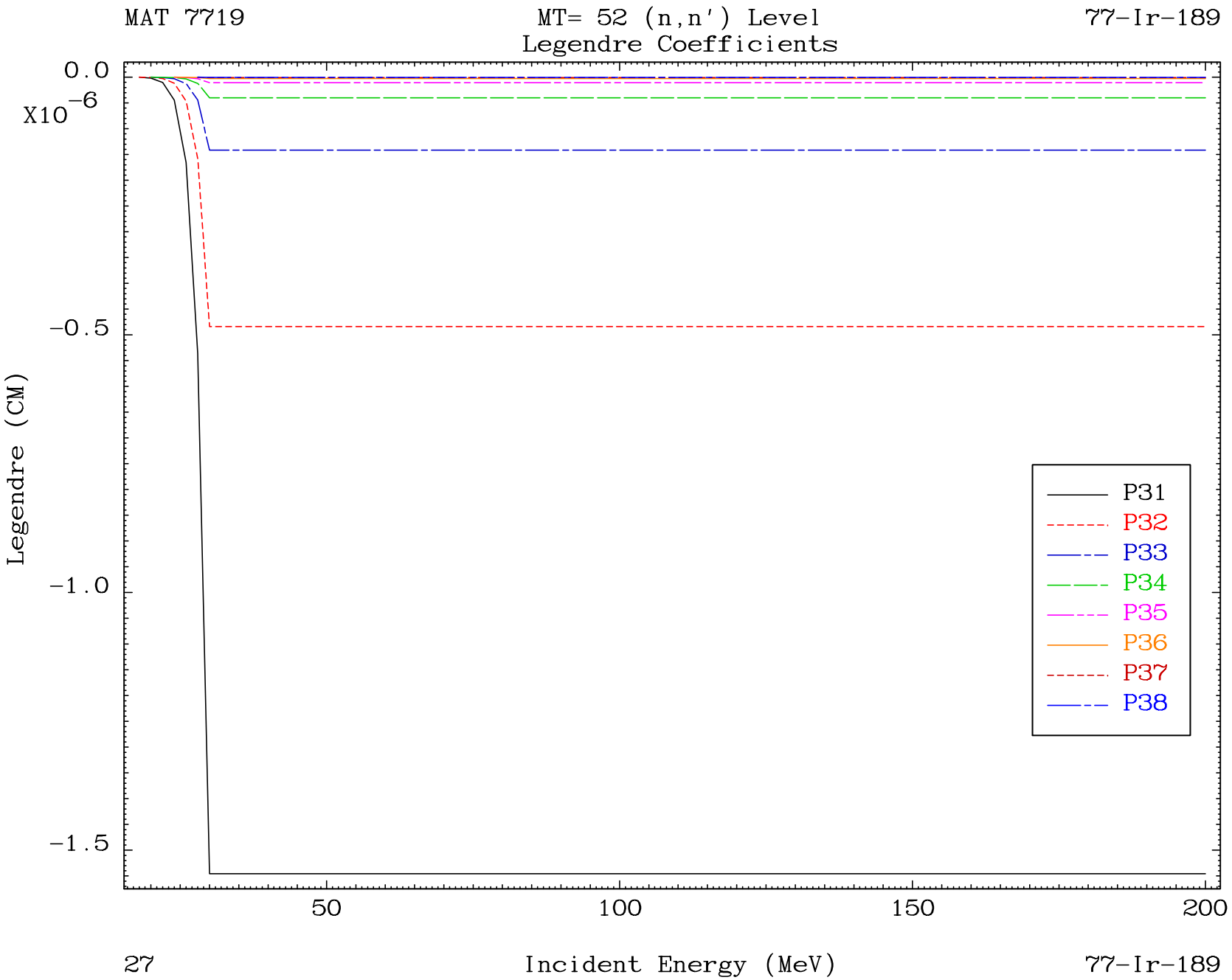

MAT 7719
MT= 51 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
77-Ir-189

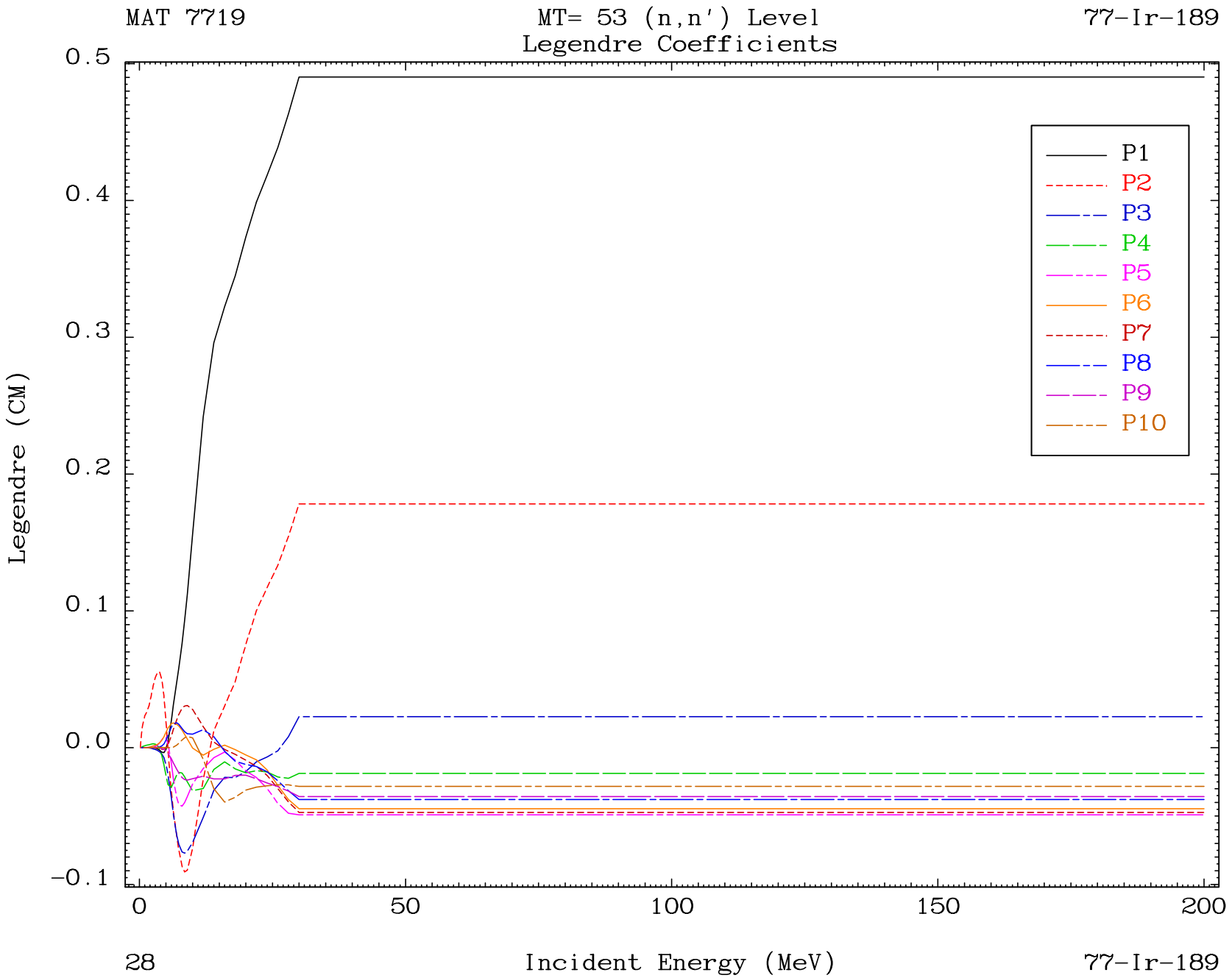

MAT 7719
MT= 51 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
23
Incident Energy (MeV)
77-Ir-189

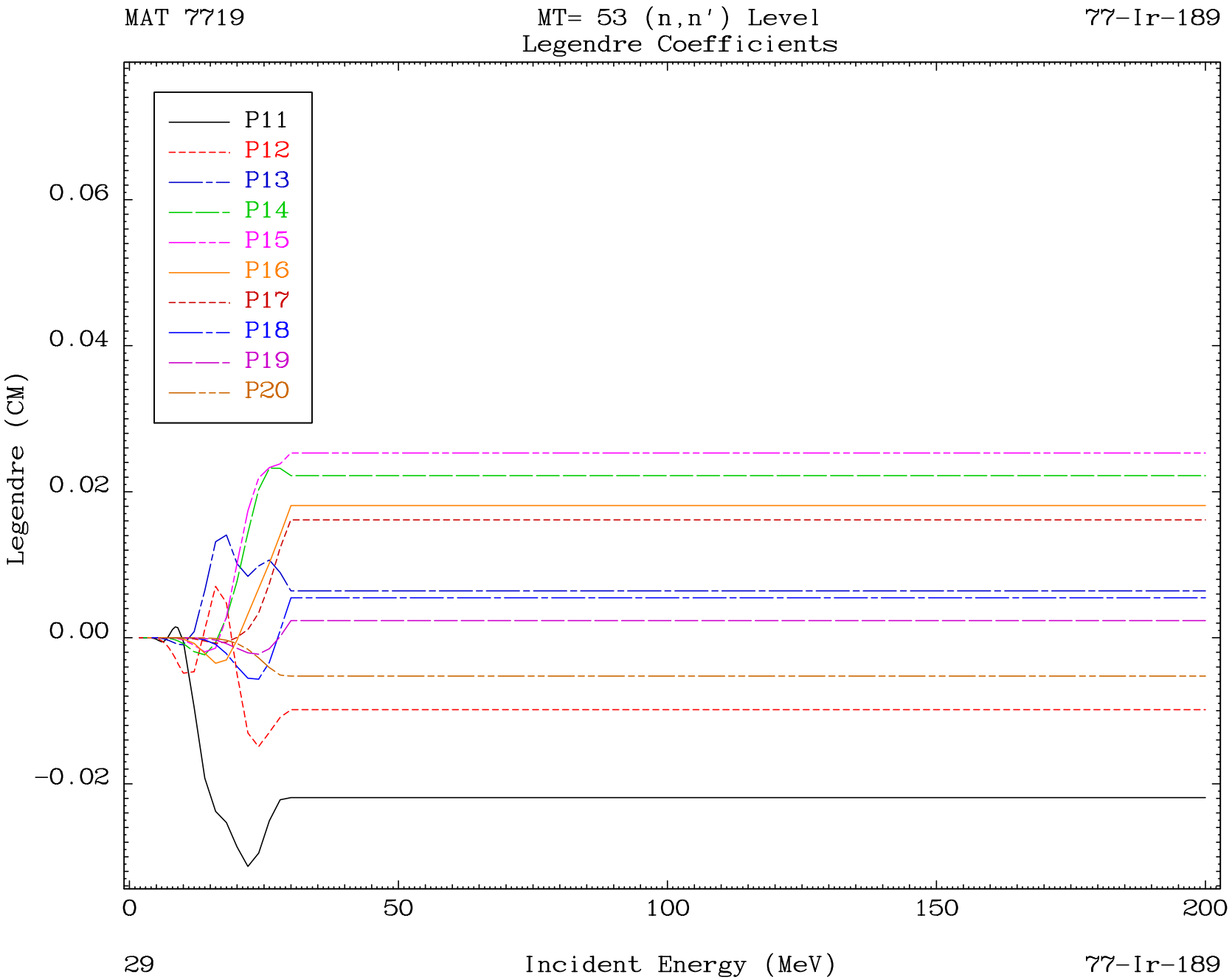

MAT 7719
MT= 52 (n,n') Level
Legendre Coefficients
77-Ir-189
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
24
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

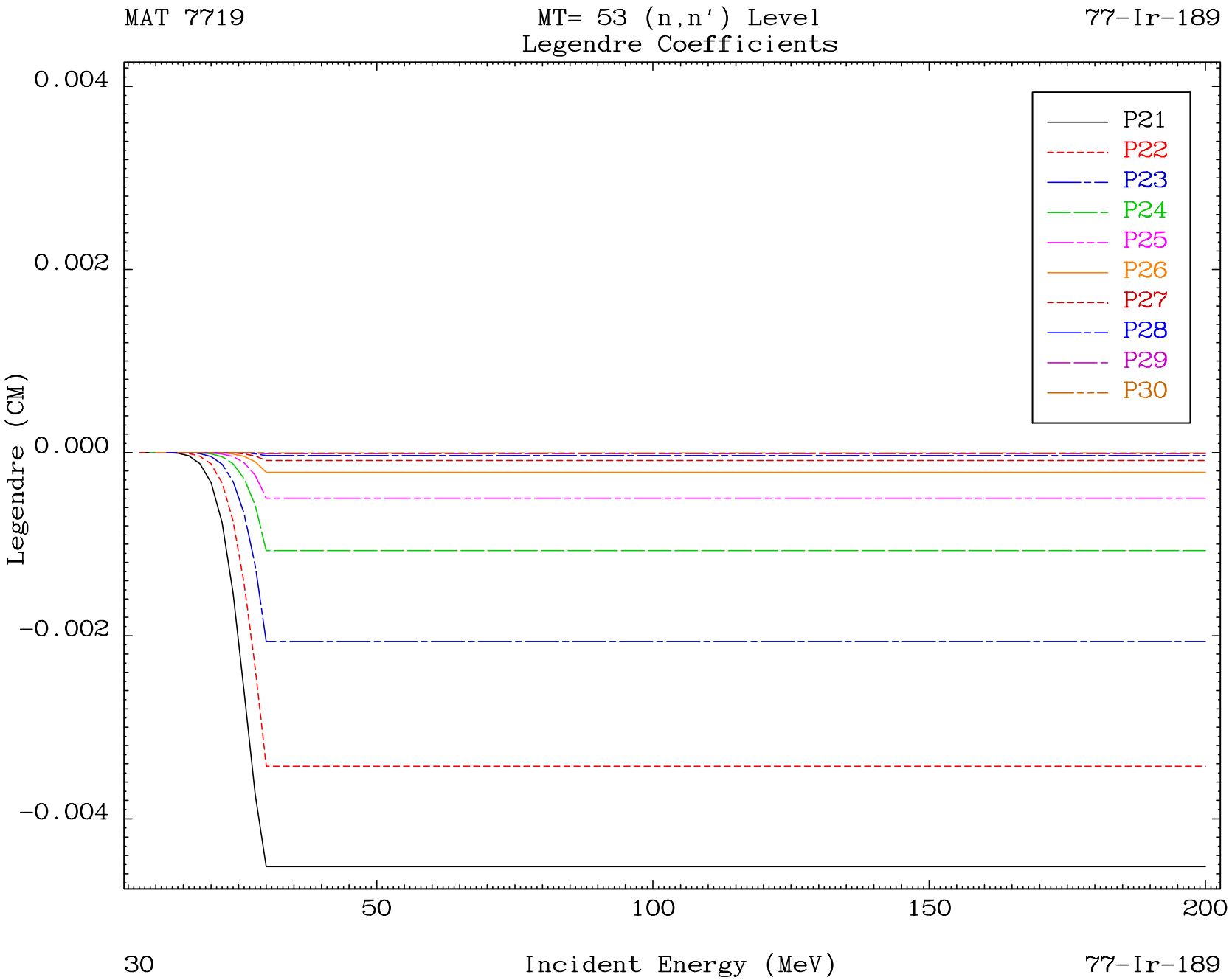

MAT 7719
MT= 52 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
77-Ir-189

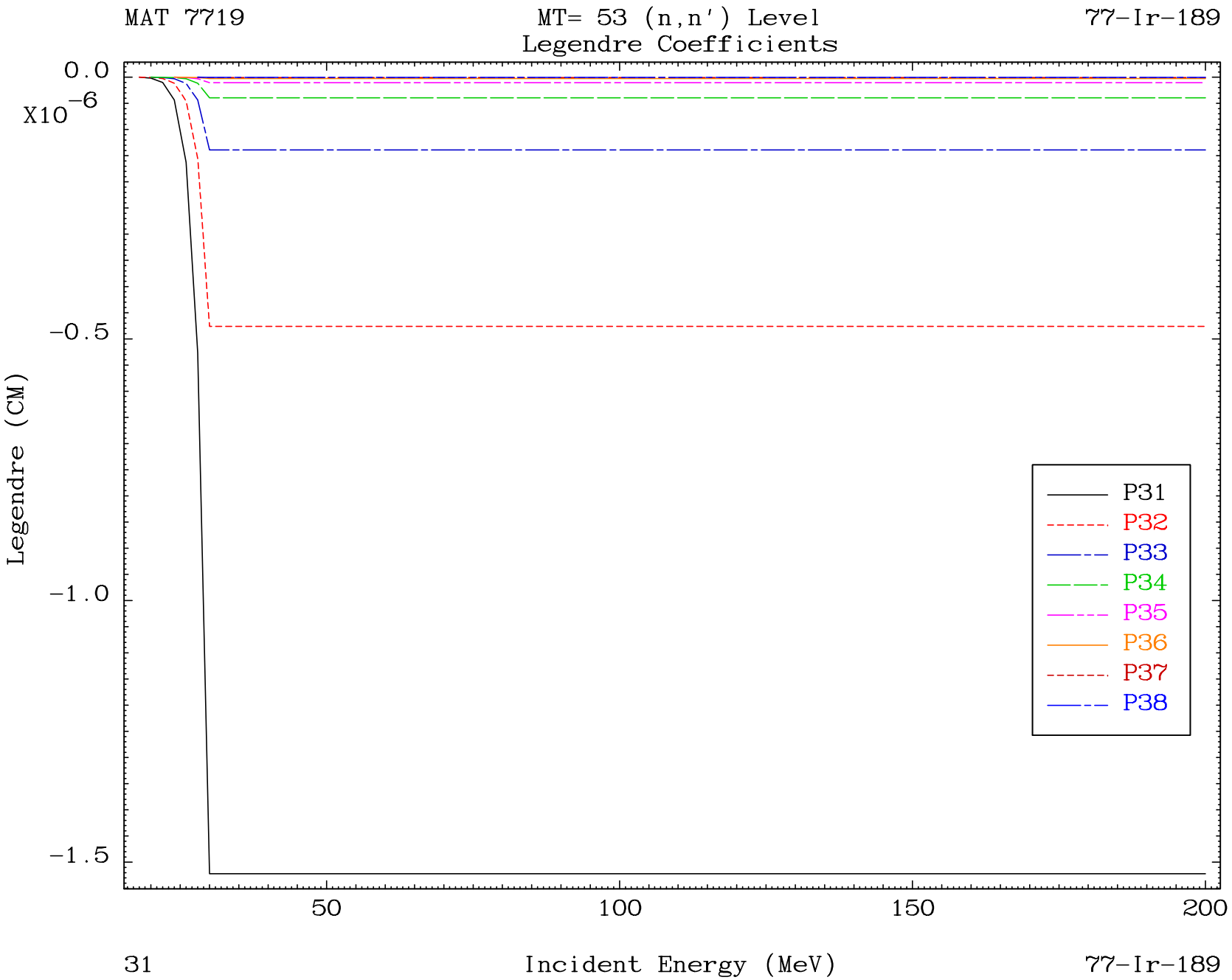

MAT 7719
MT= 52 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
26
Incident Energy (MeV)
77-Ir-189

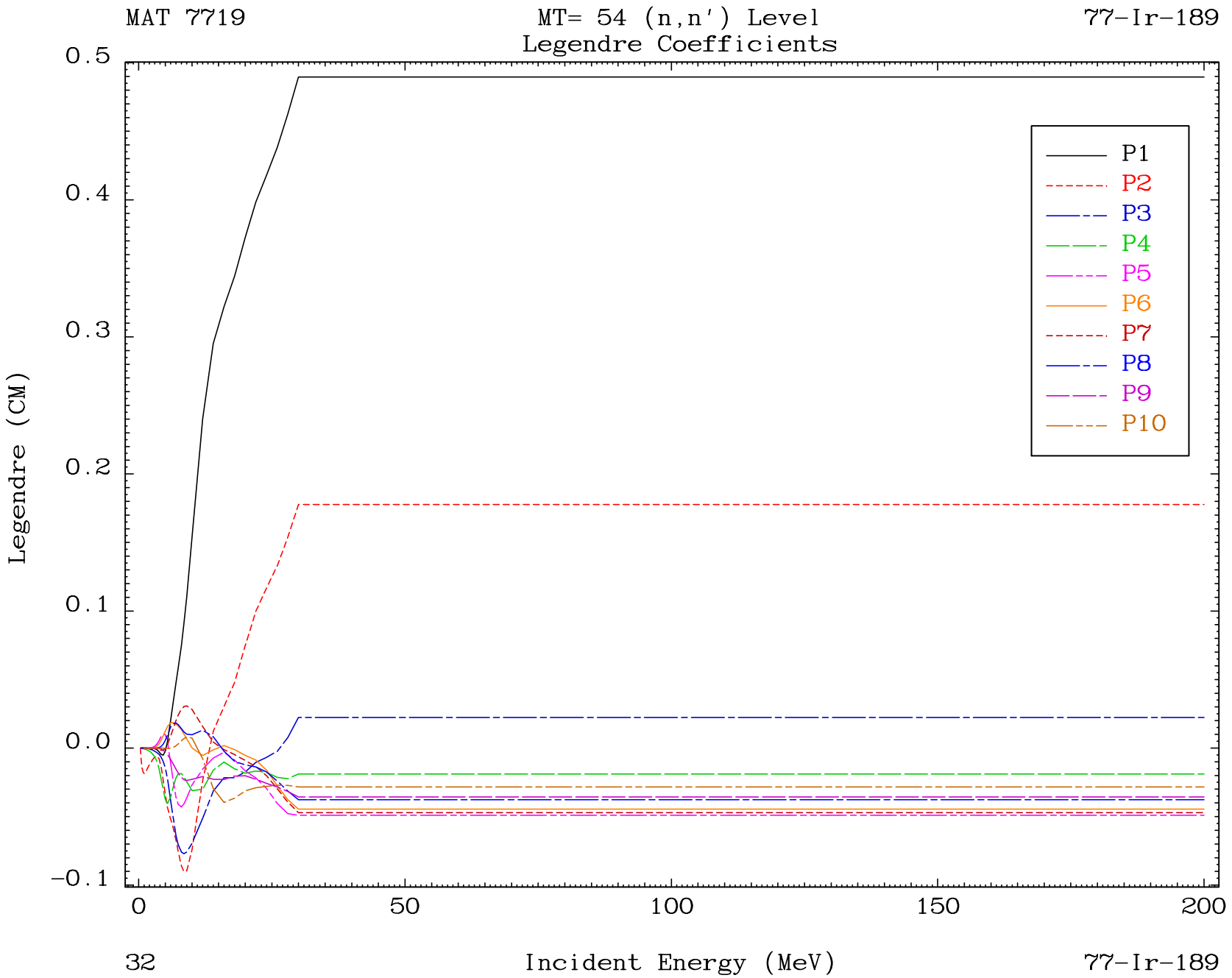

MAT 7719
MT= 52 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

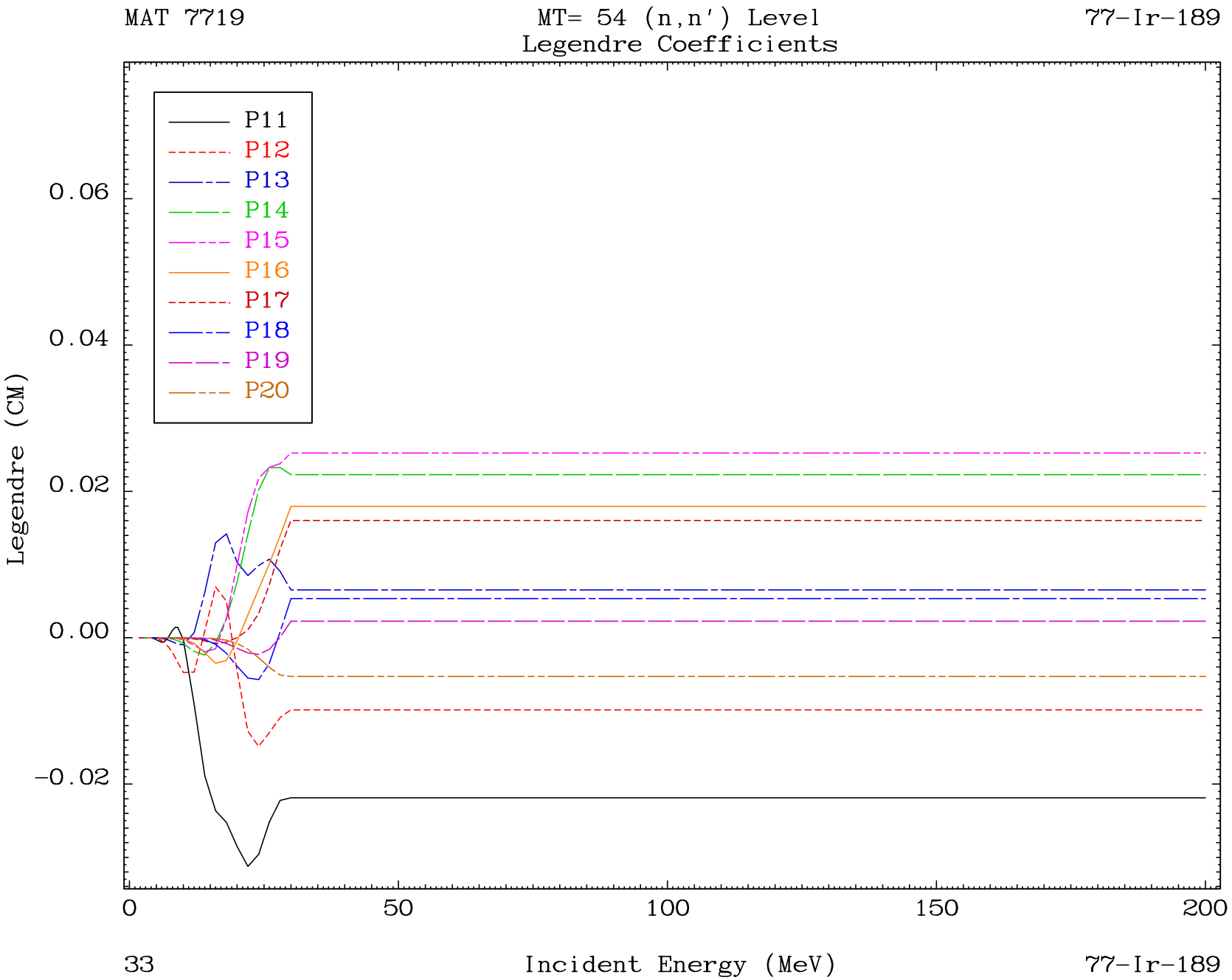

MAT 7719
MT= 53 (n,n') Level
Legendre Coefficients
77-Ir-189
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

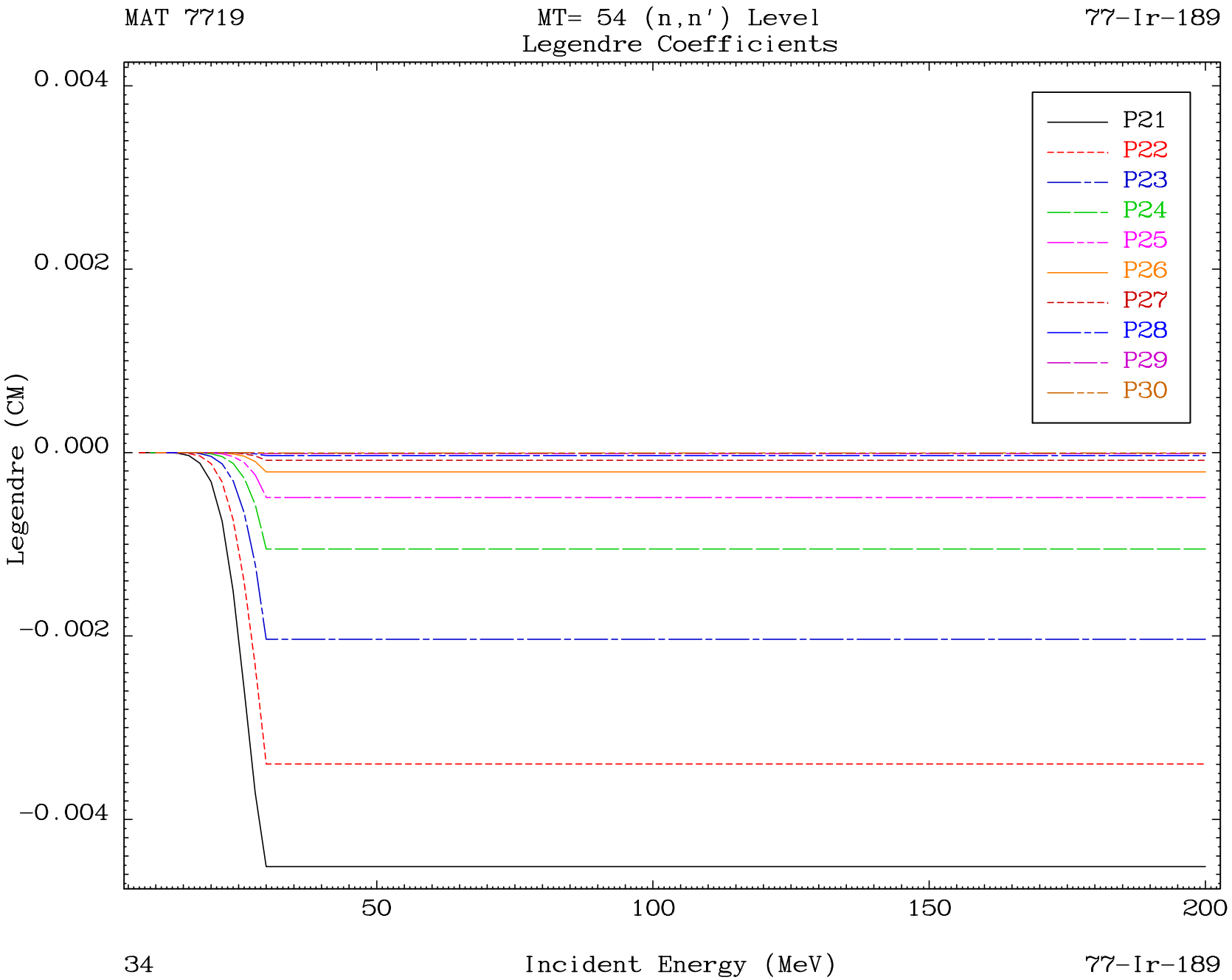

MAT 7719
MT= 53 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
77-Ir-189

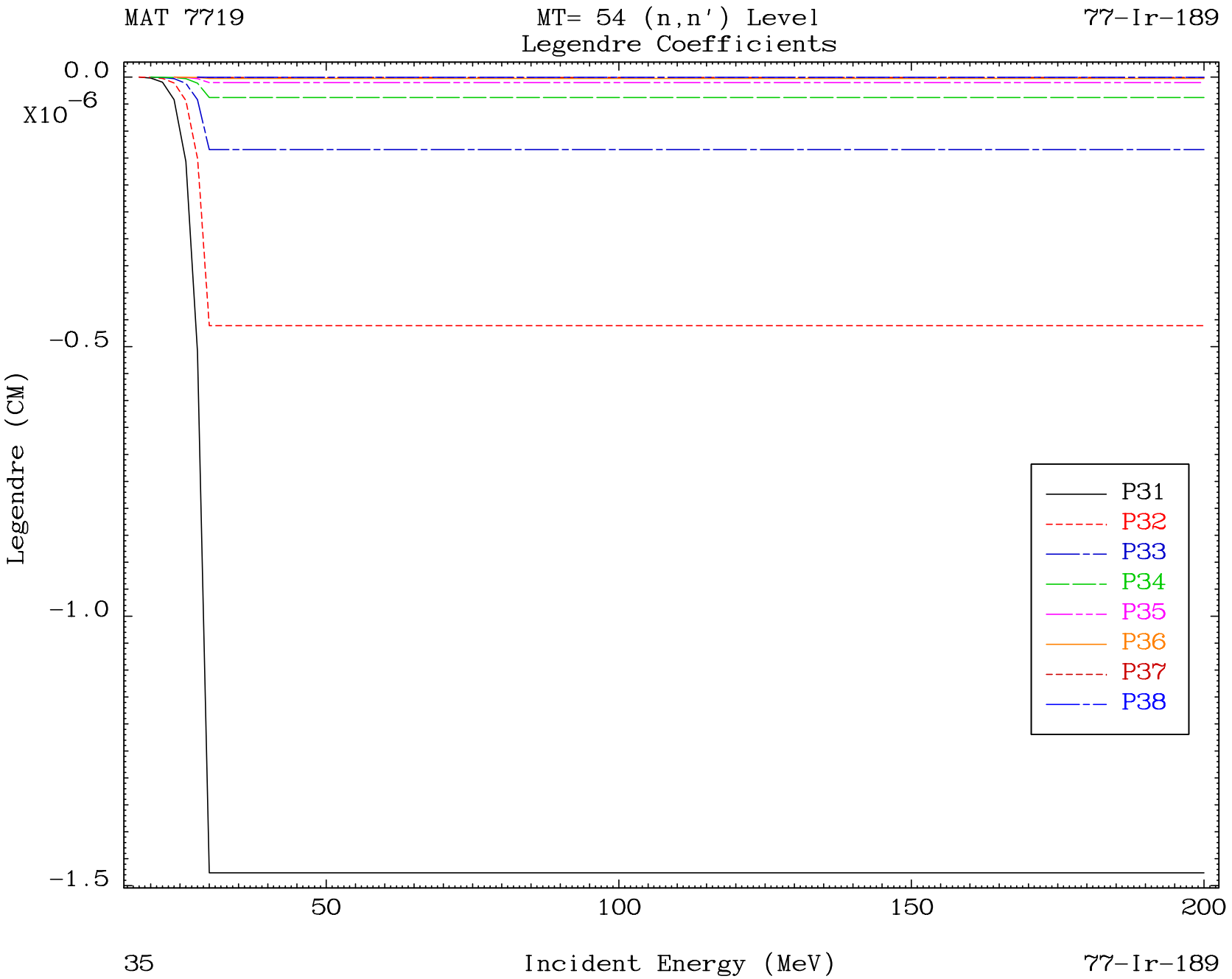

MAT 7719
MT= 53 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
30
50
100
150
200
Incident Energy (MeV)
77-Ir-189

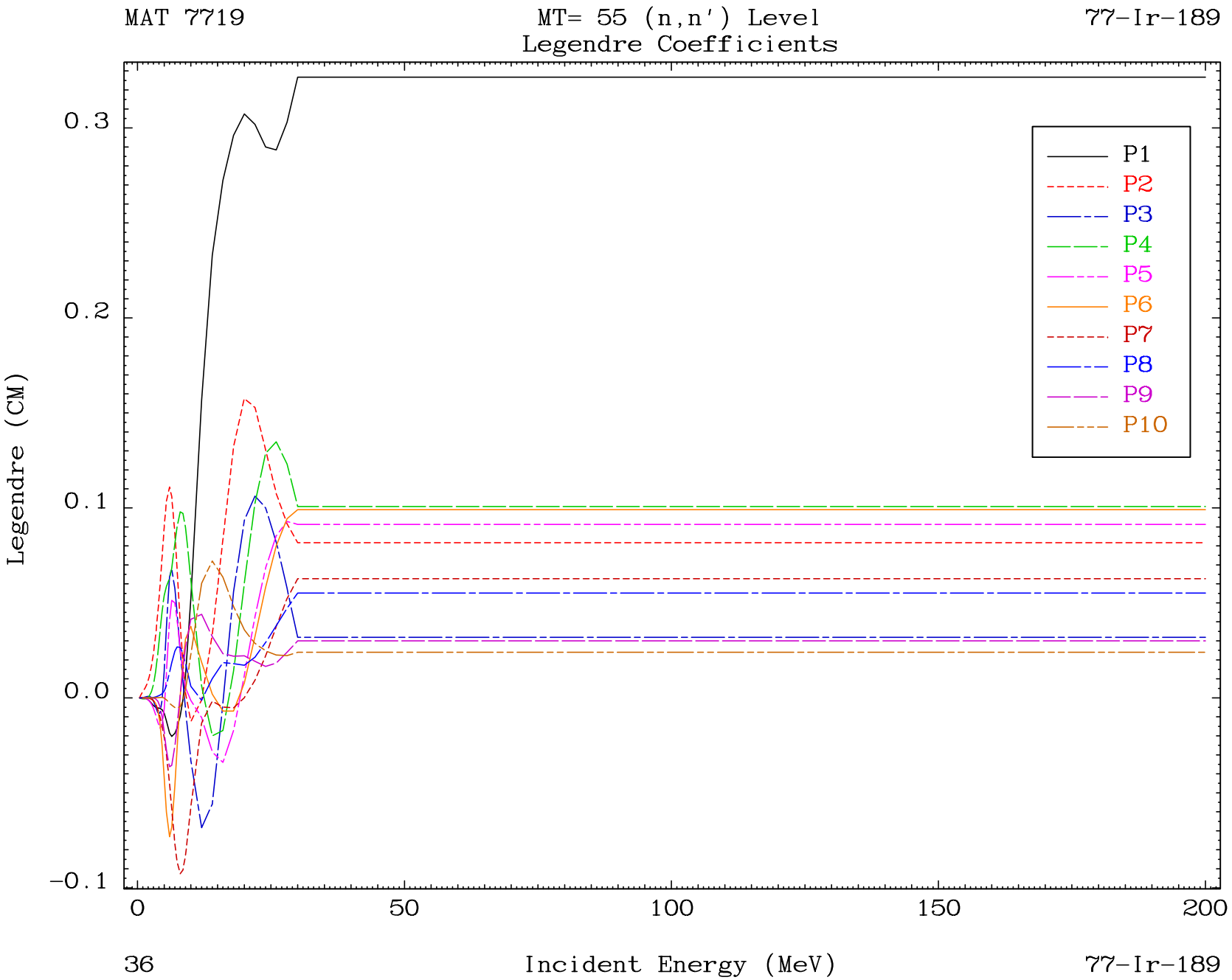

MAT 7719
MT= 53 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
31
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

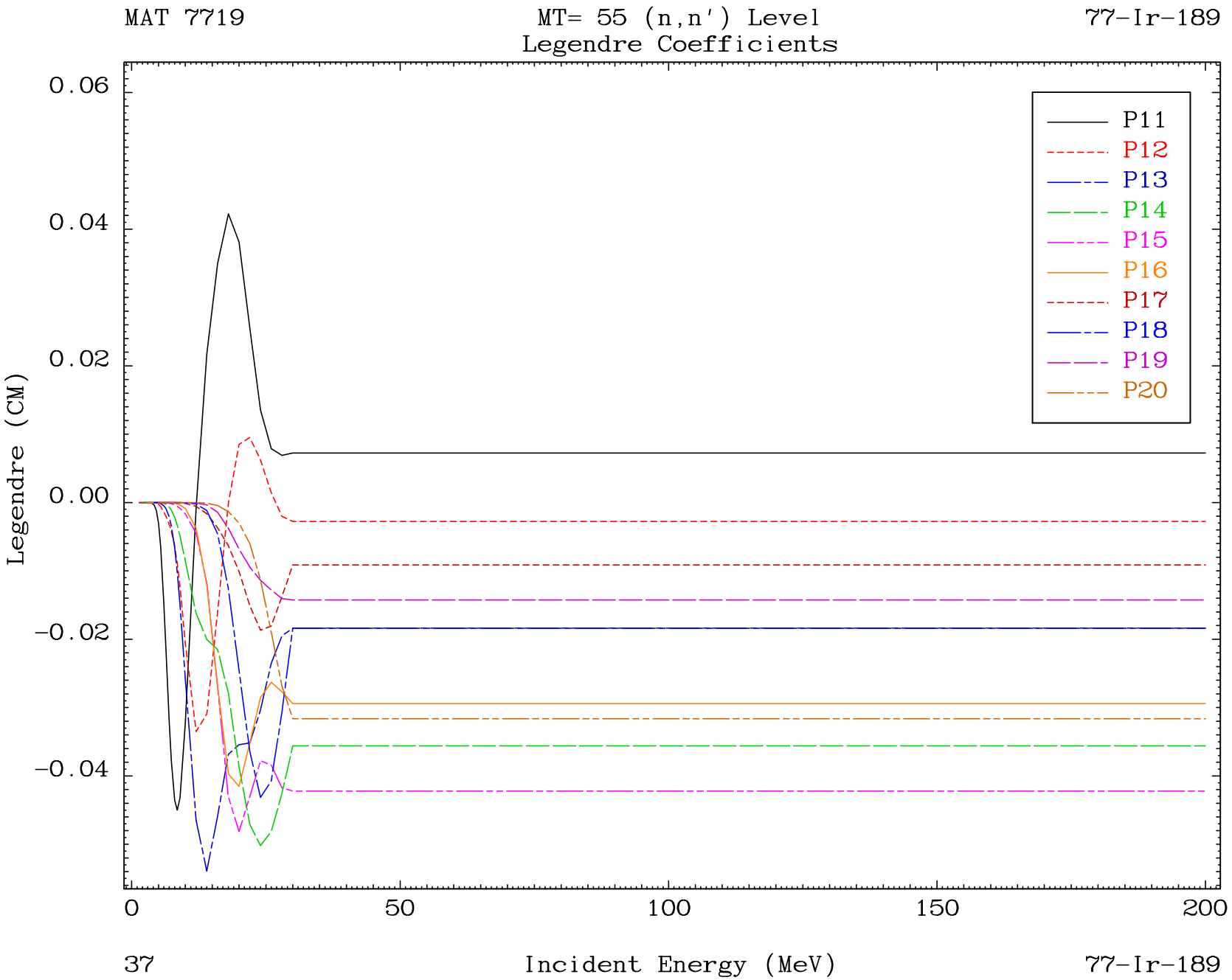

MAT 7719
MT= 54 (n,n') Level
Legendre Coefficients
77-Ir-189
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
32
Incident Energy (MeV)
77-Ir-189

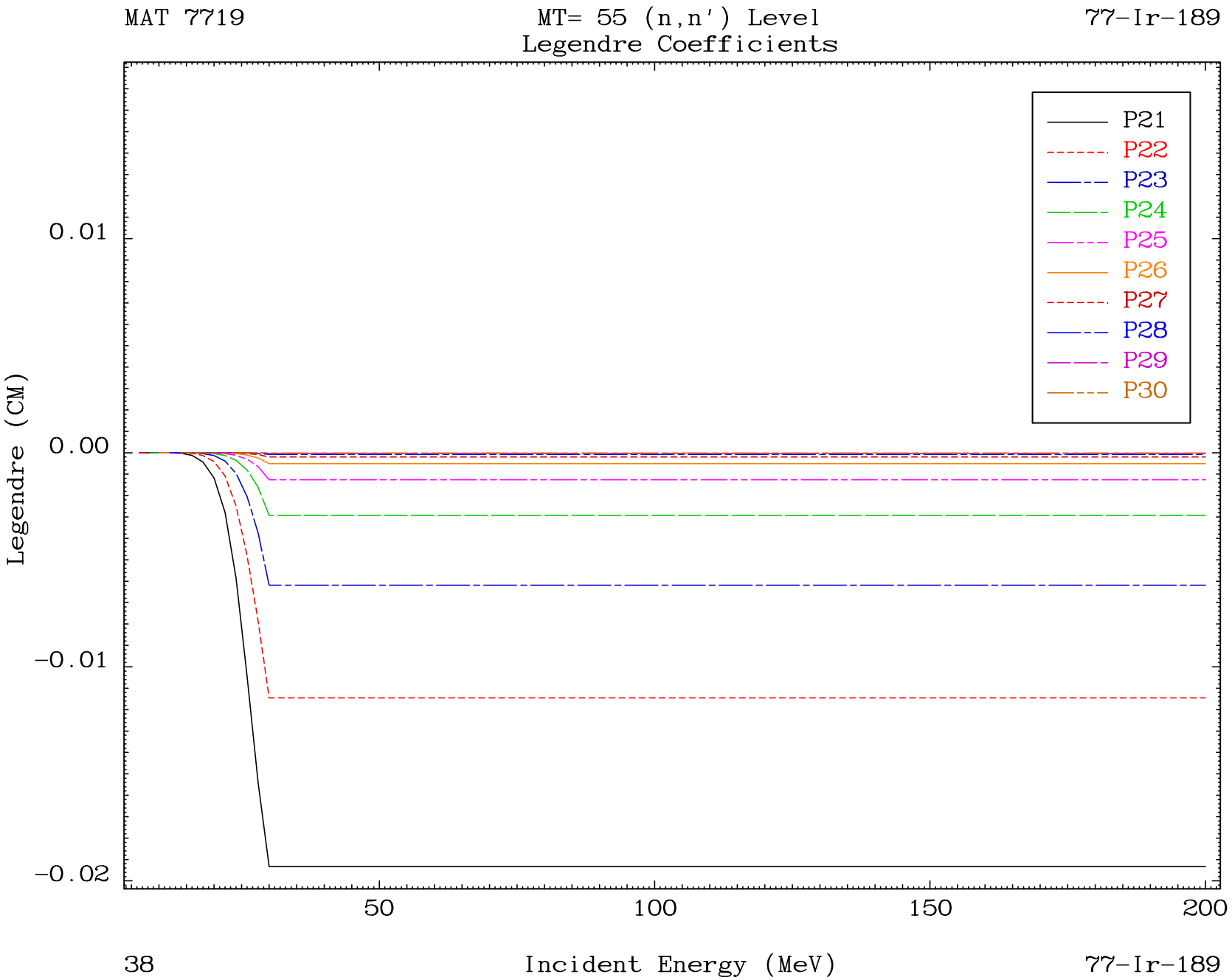

MAT 7719
MT= 54 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
77-Ir-189

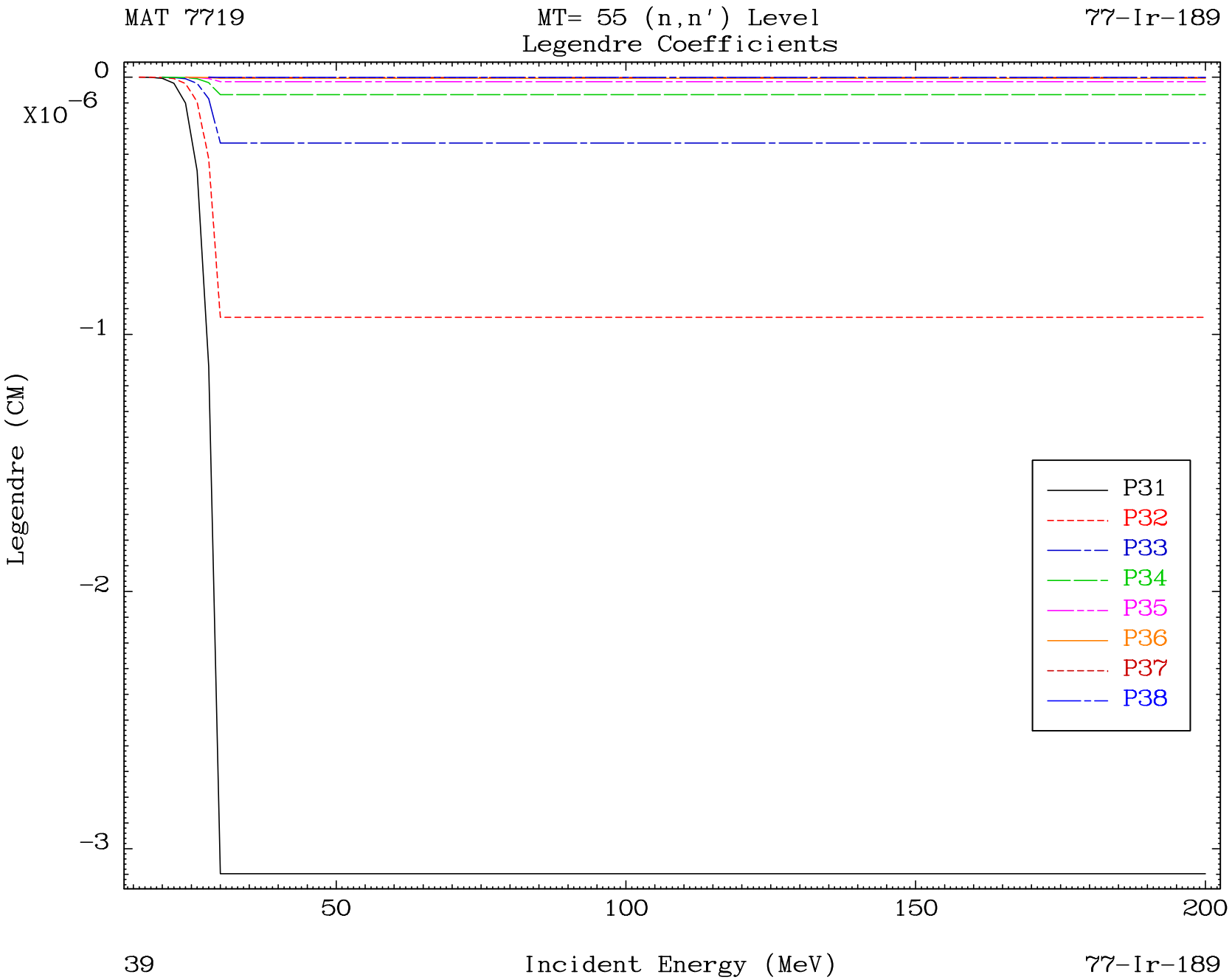

MAT 7719
MT= 54 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
34
Incident Energy (MeV)
77-Ir-189

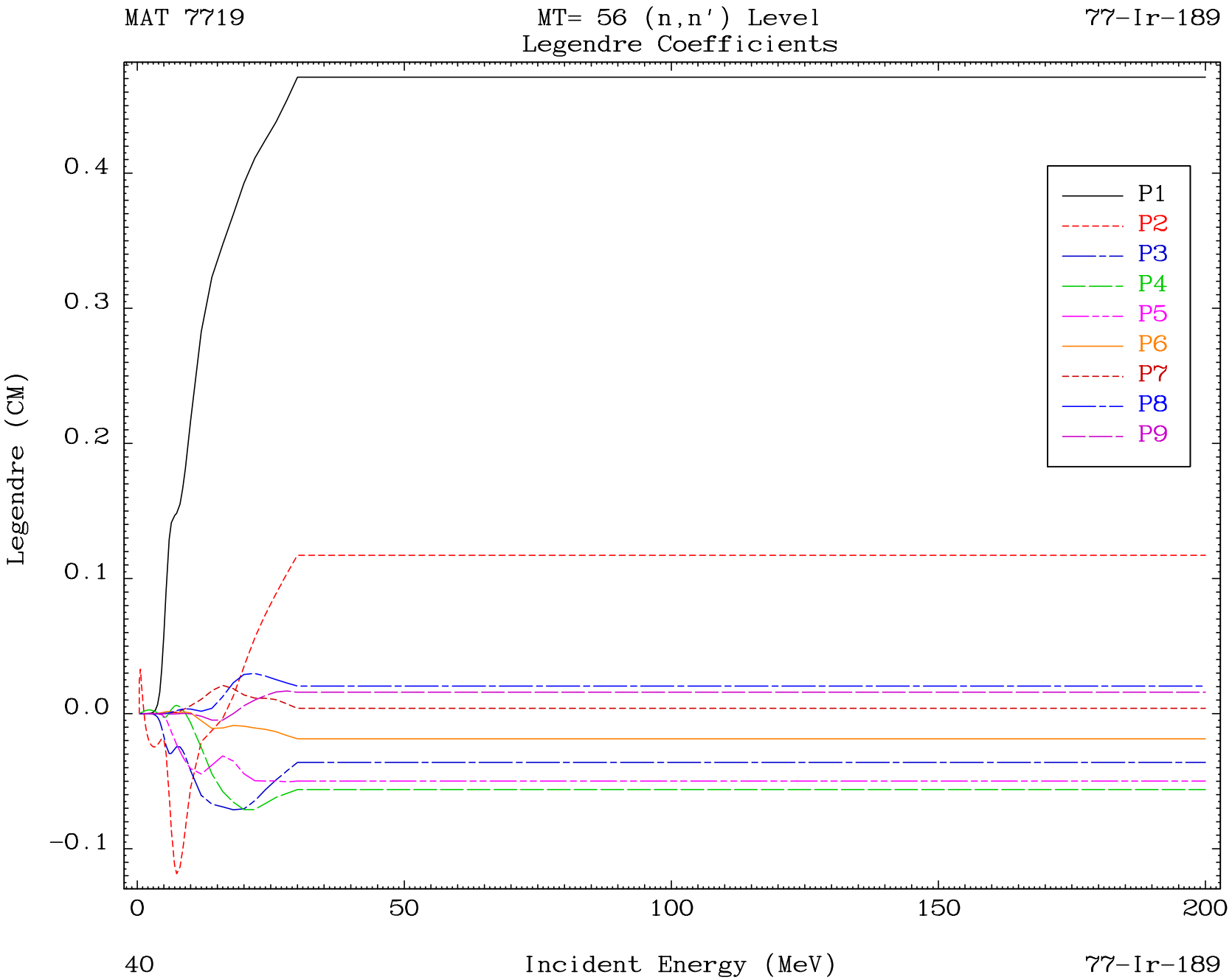

MAT 7719
MT= 54 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
35
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

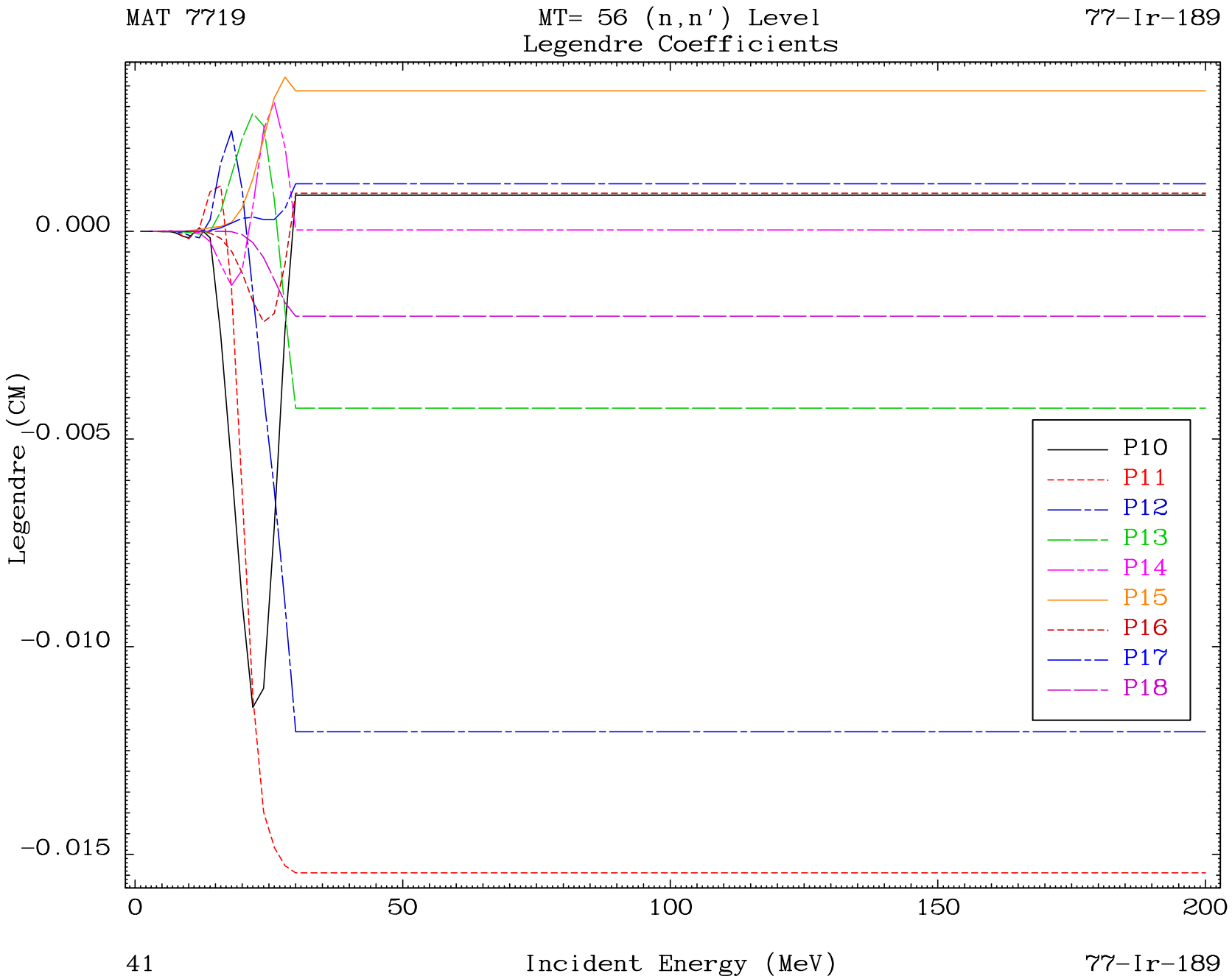

MAT 7719
MT= 55 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
36
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

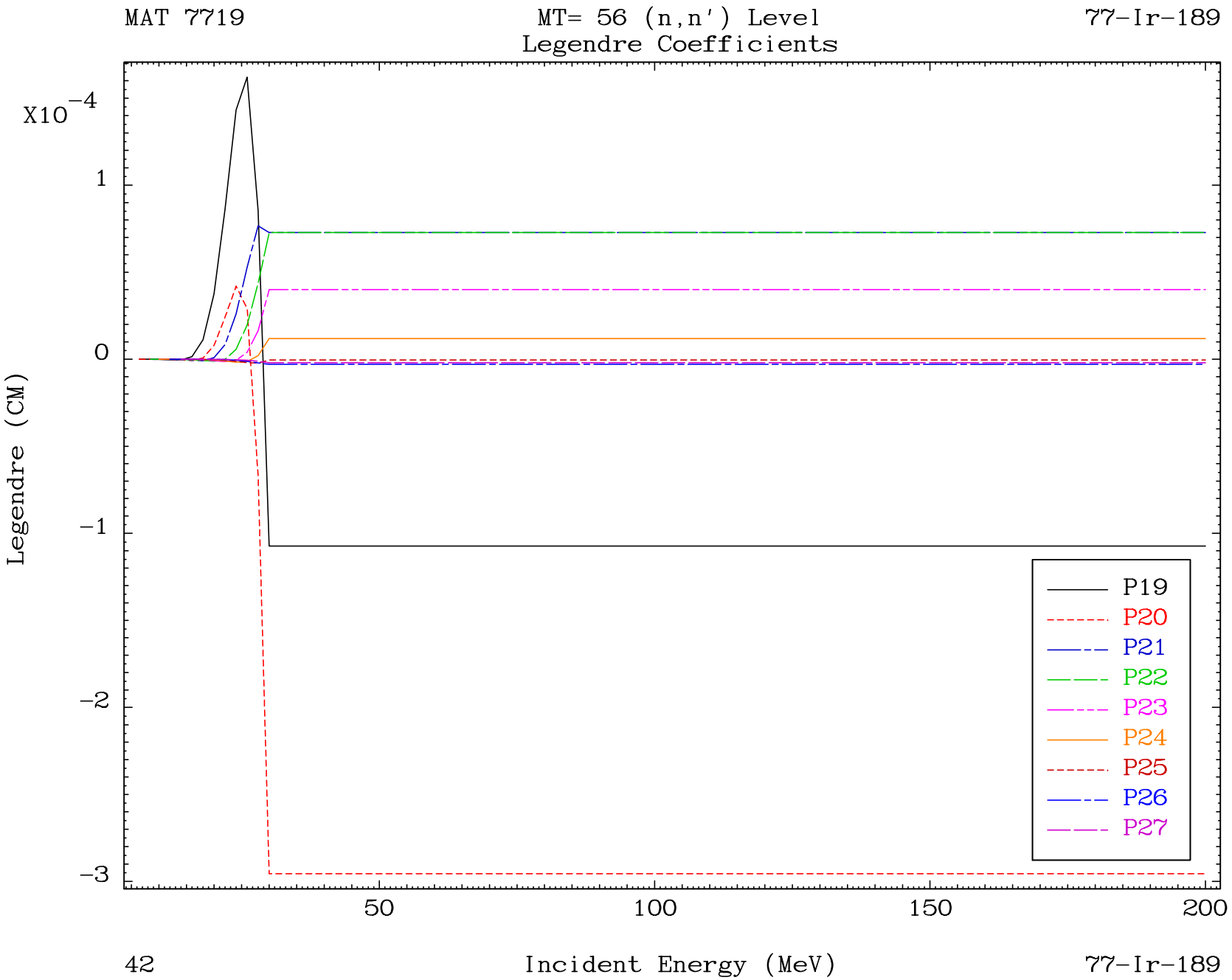

MAT 7719
MT= 55 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
37
Incident Energy (MeV)
77-Ir-189

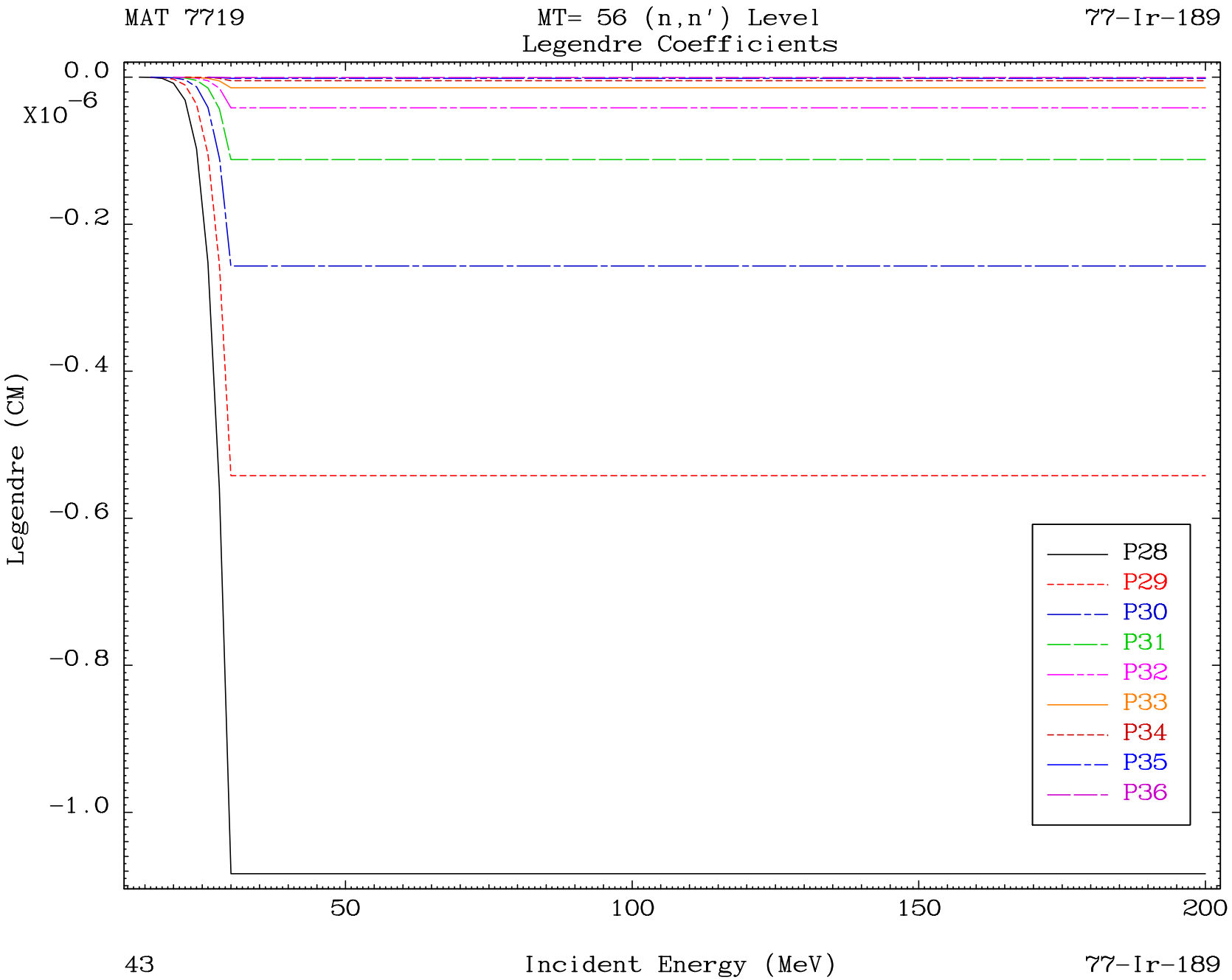

MAT 7719
MT= 55 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.01
0.00
-0.01
-0.02
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
77-Ir-189

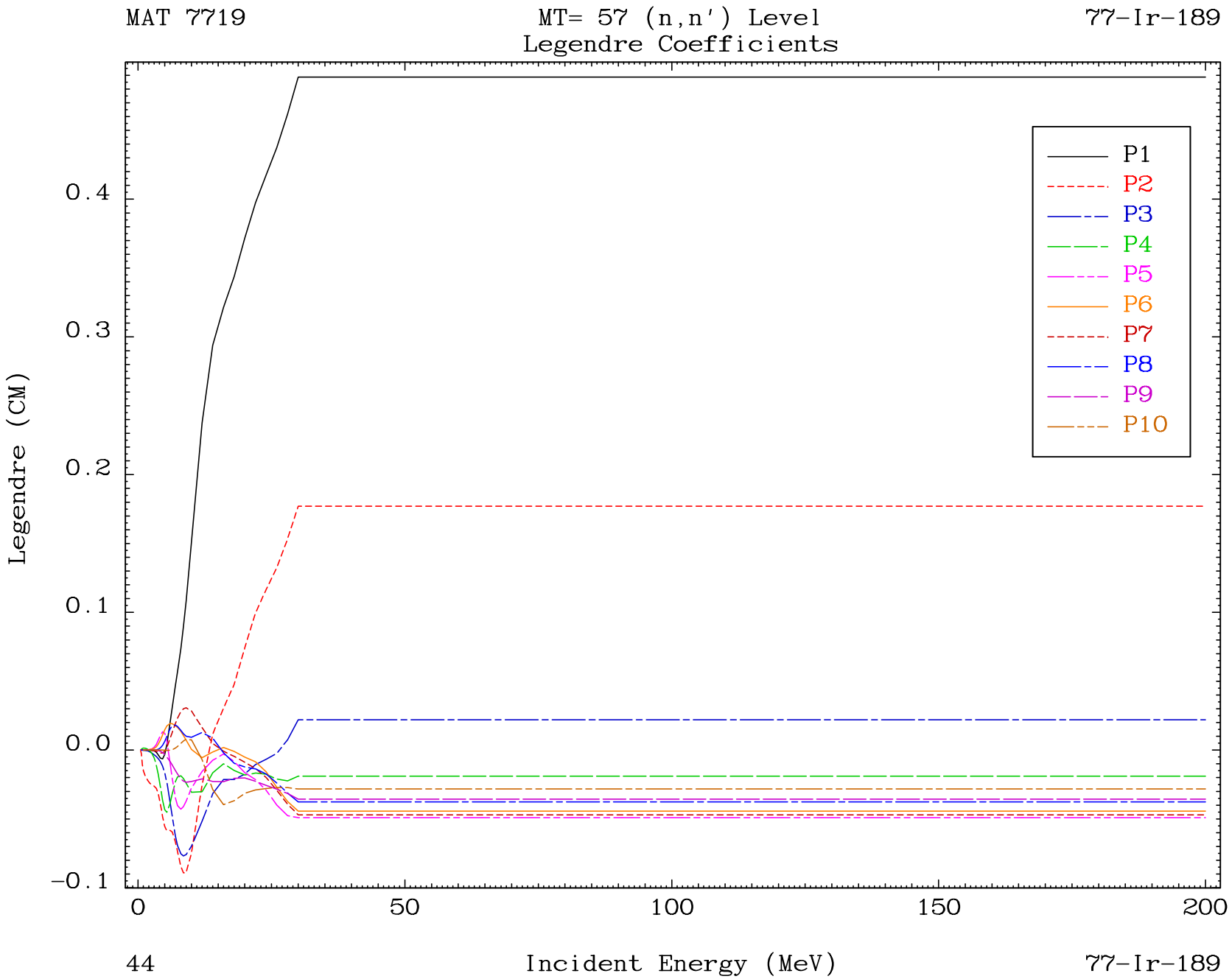

MAT 7719
MT= 55 (n,n') Level
Legendre Coefficients
77-Ir-189
0
X10−6
−1
−2
−3
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

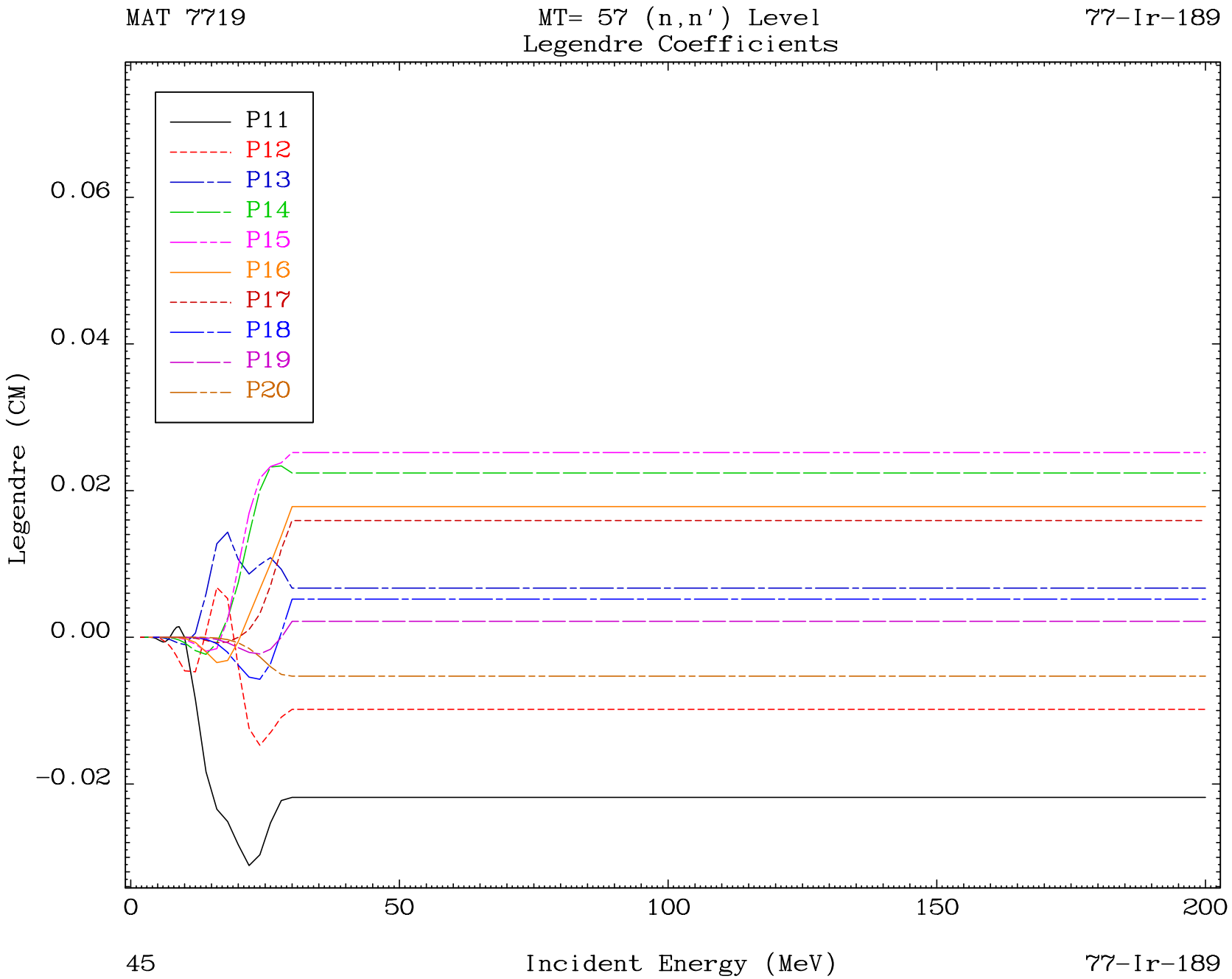

MAT 7719
MT= 56 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
40
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9

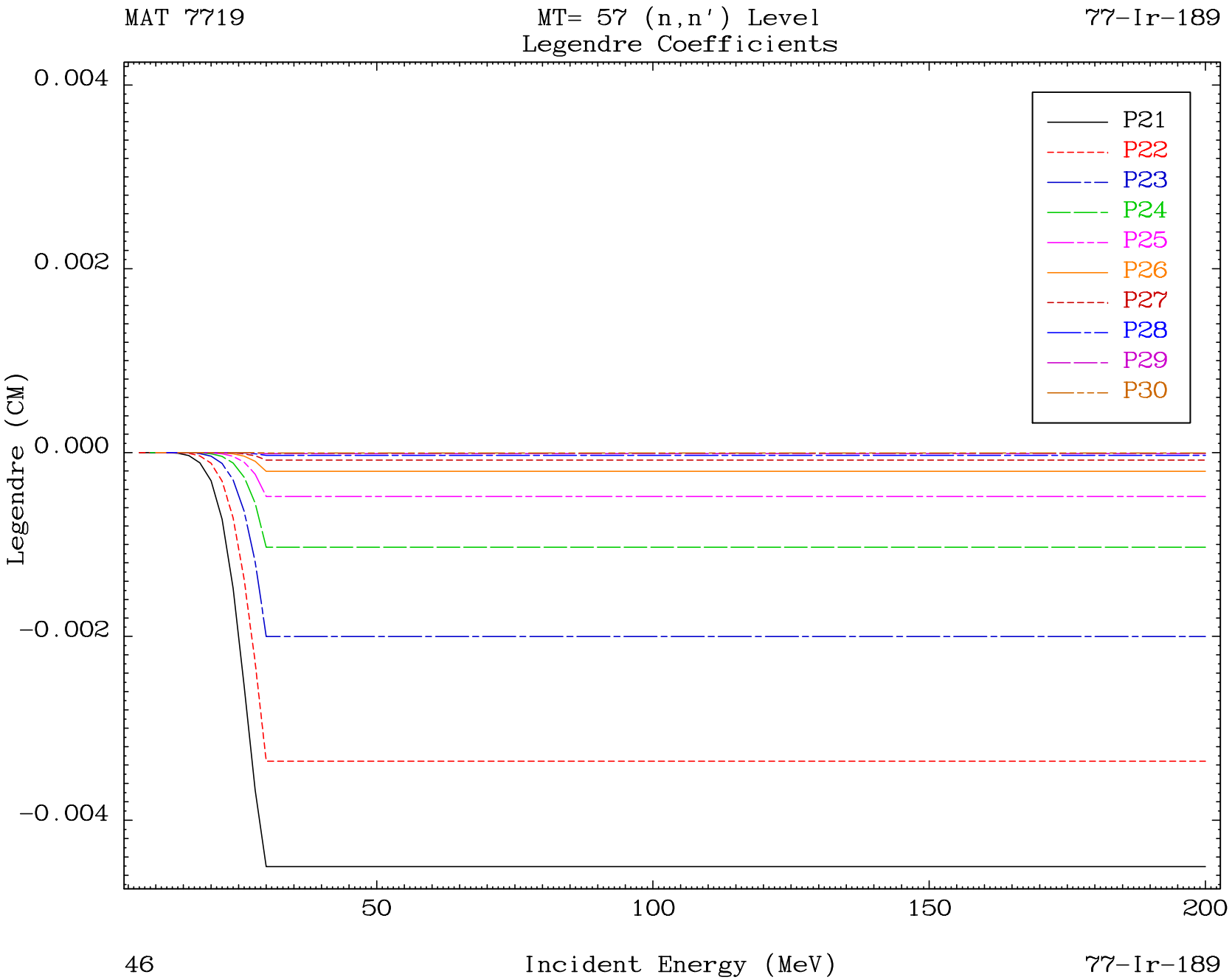

MAT 7719
MT= 56 (n,n') Level
Legendre Coefficients
77-Ir-189
0.000
-0.005
-0.010
-0.015
Legendre l (CM)
0
50
100
150
200
41
Incident Energy (MeV)
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18

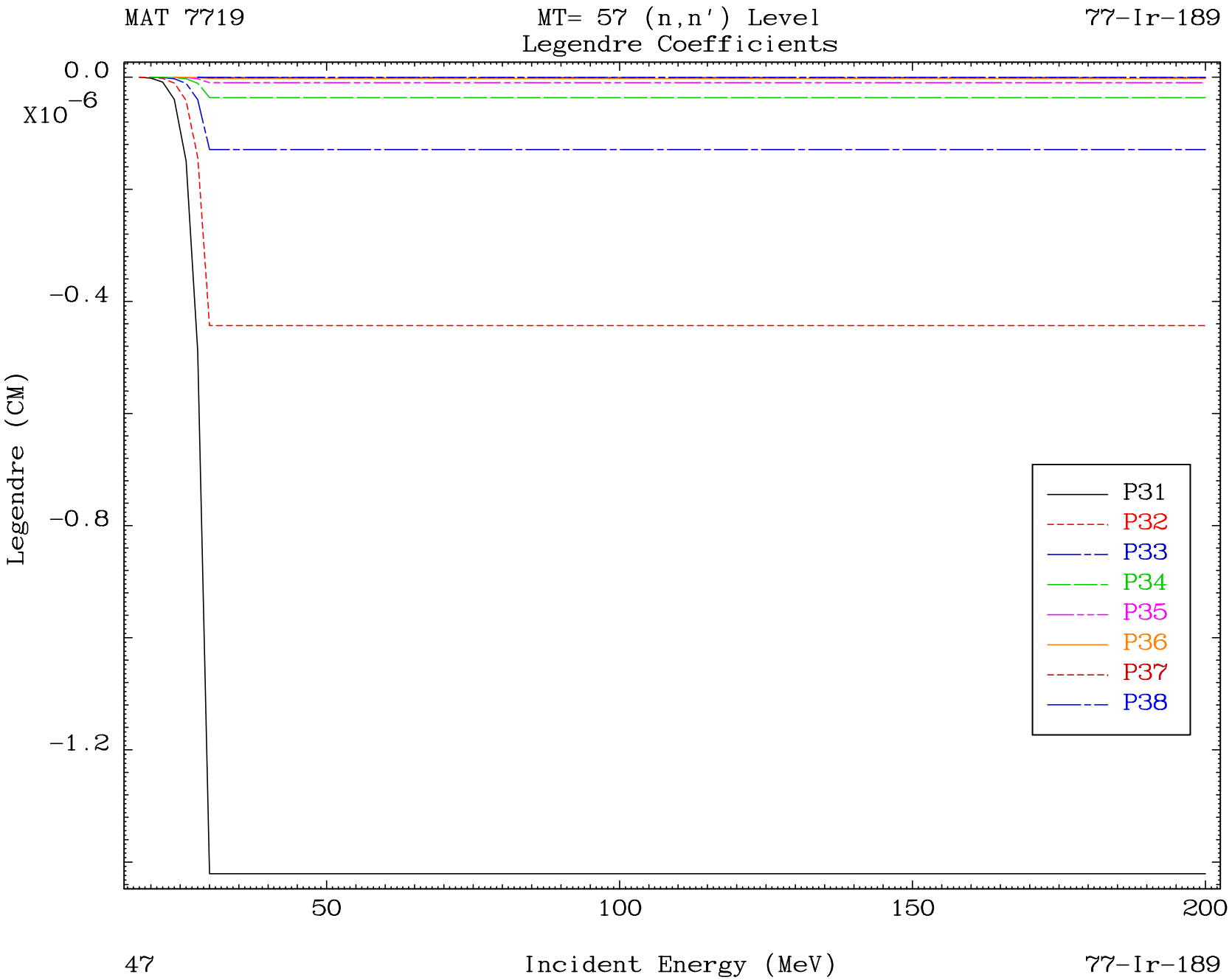

MAT 7719
MT= 56 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-4
1
0
-1
-2
-3
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
77-Ir-189
P19
P20
P21
P22
P23
P24
P25
P26
P27

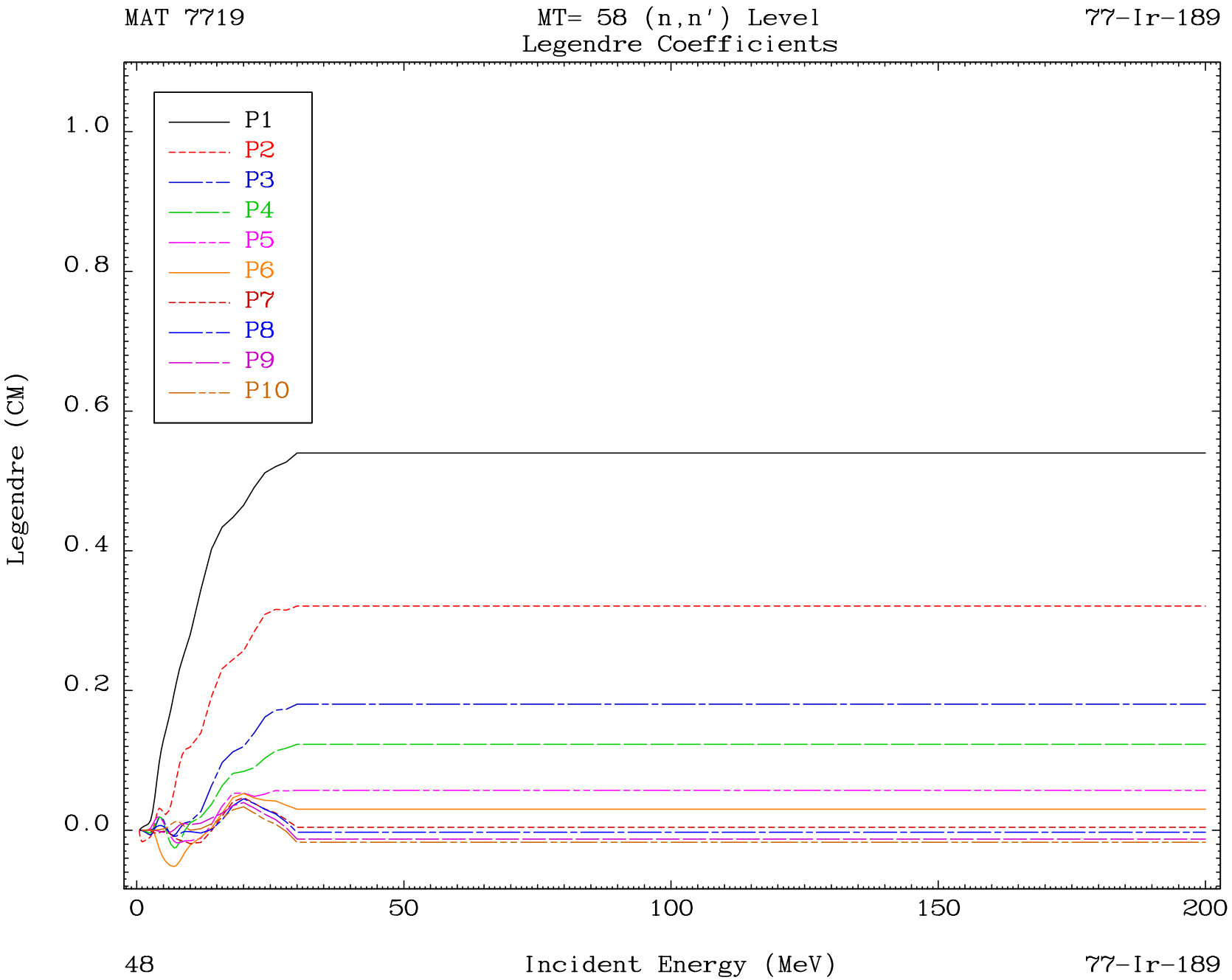

MAT 7719
MT= 56 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
43
Incident Energy (MeV)
77-Ir-189
P28
P29
P30
P31
P32
P33
P34
P35
P36

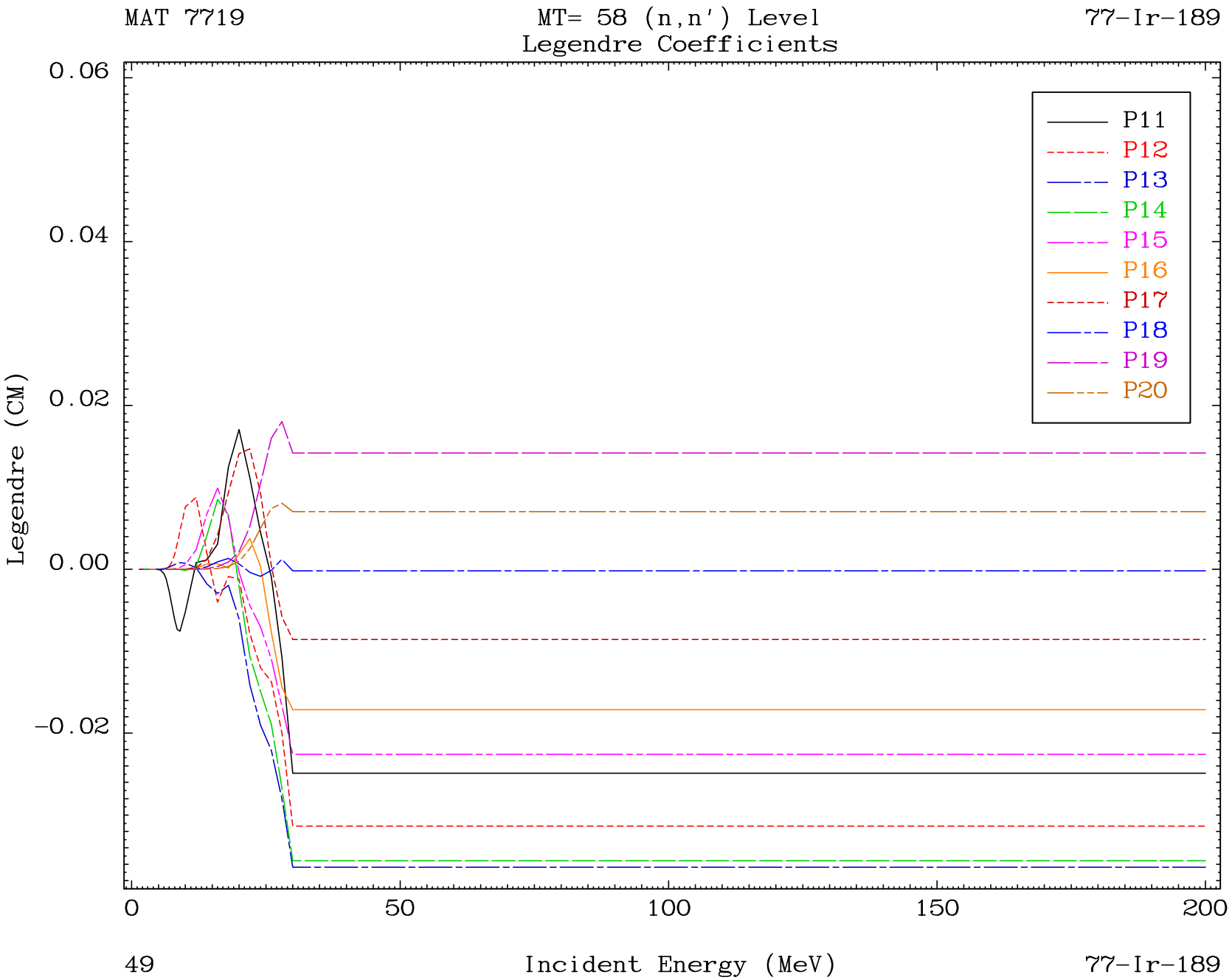

MAT 7719
MT= 57 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
44
Incident Energy (MeV)
77-Ir-189

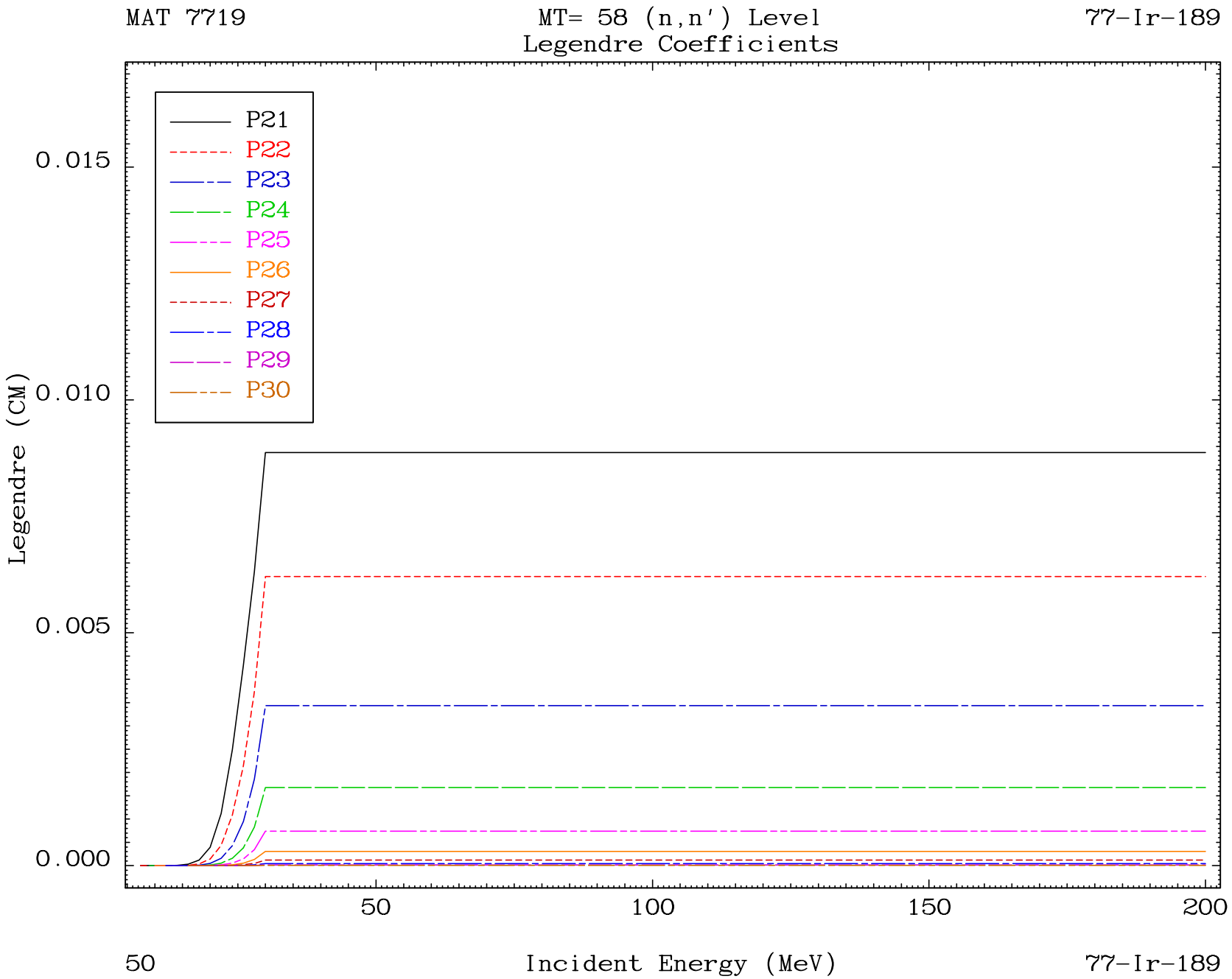

MAT 7719
MT= 57 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
77-Ir-189

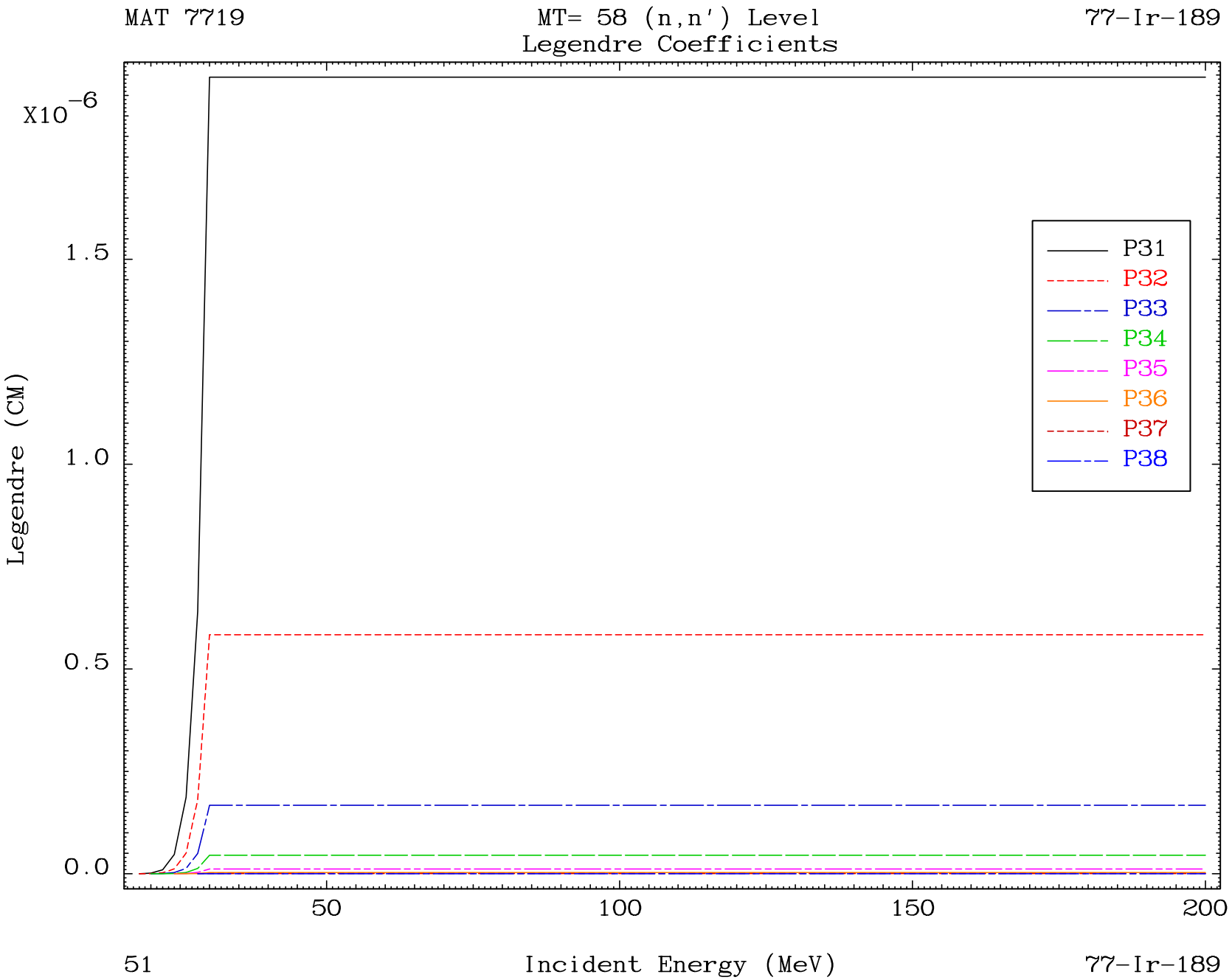

MAT 7719
MT= 57 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
46
Incident Energy (MeV)
77-Ir-189

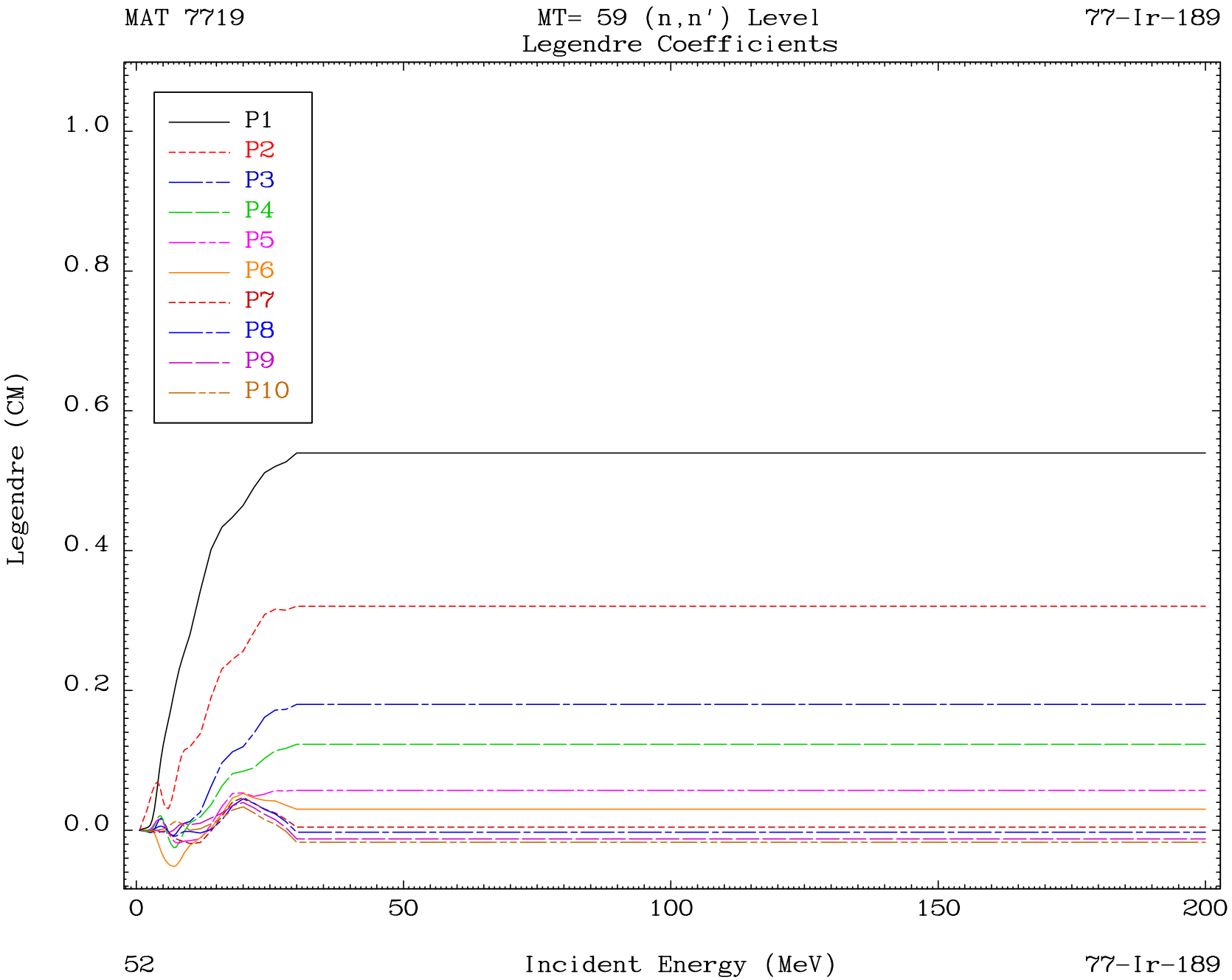

MAT 7719
MT= 57 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

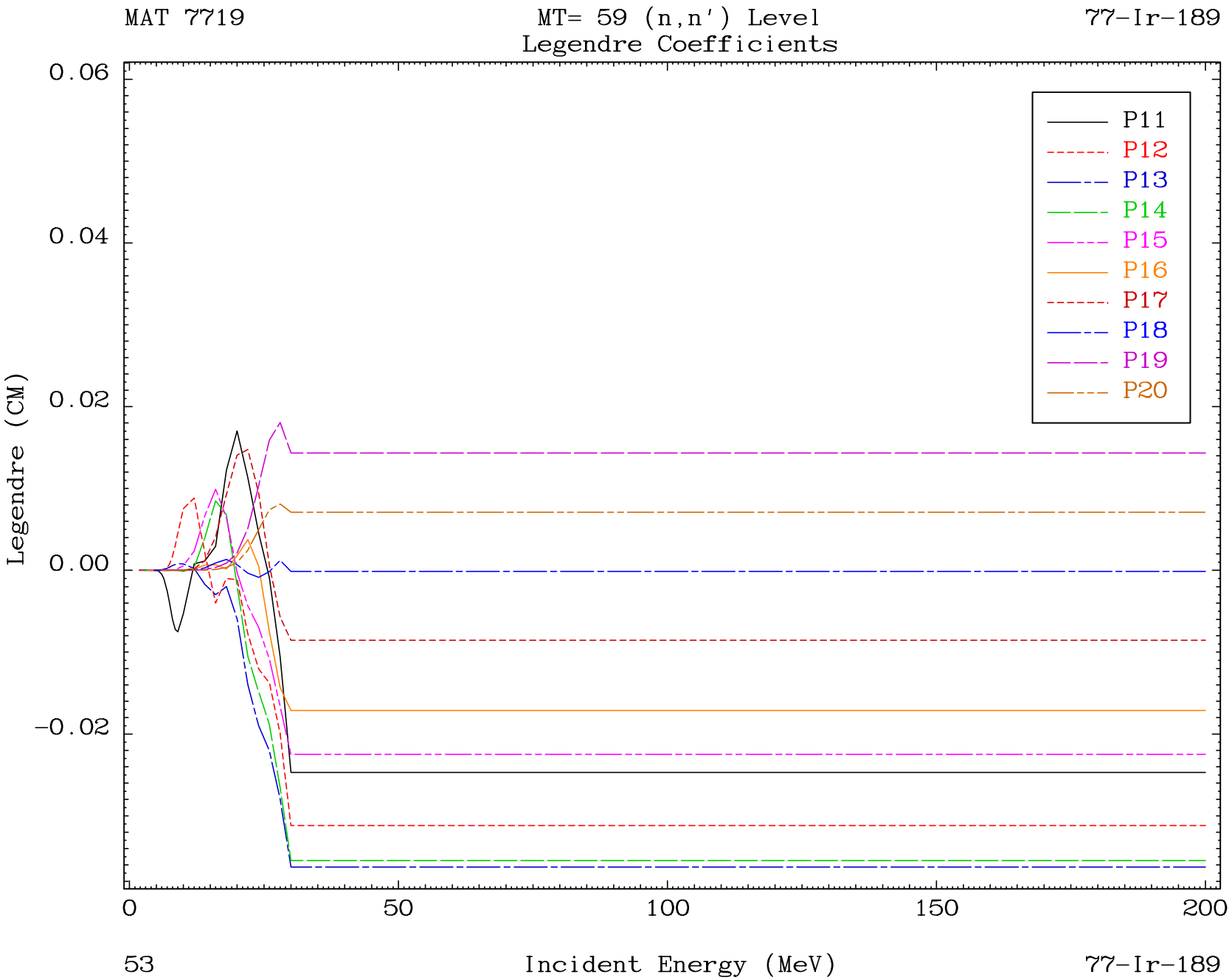

MAT 7719
MT= 58 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
77-Ir-189

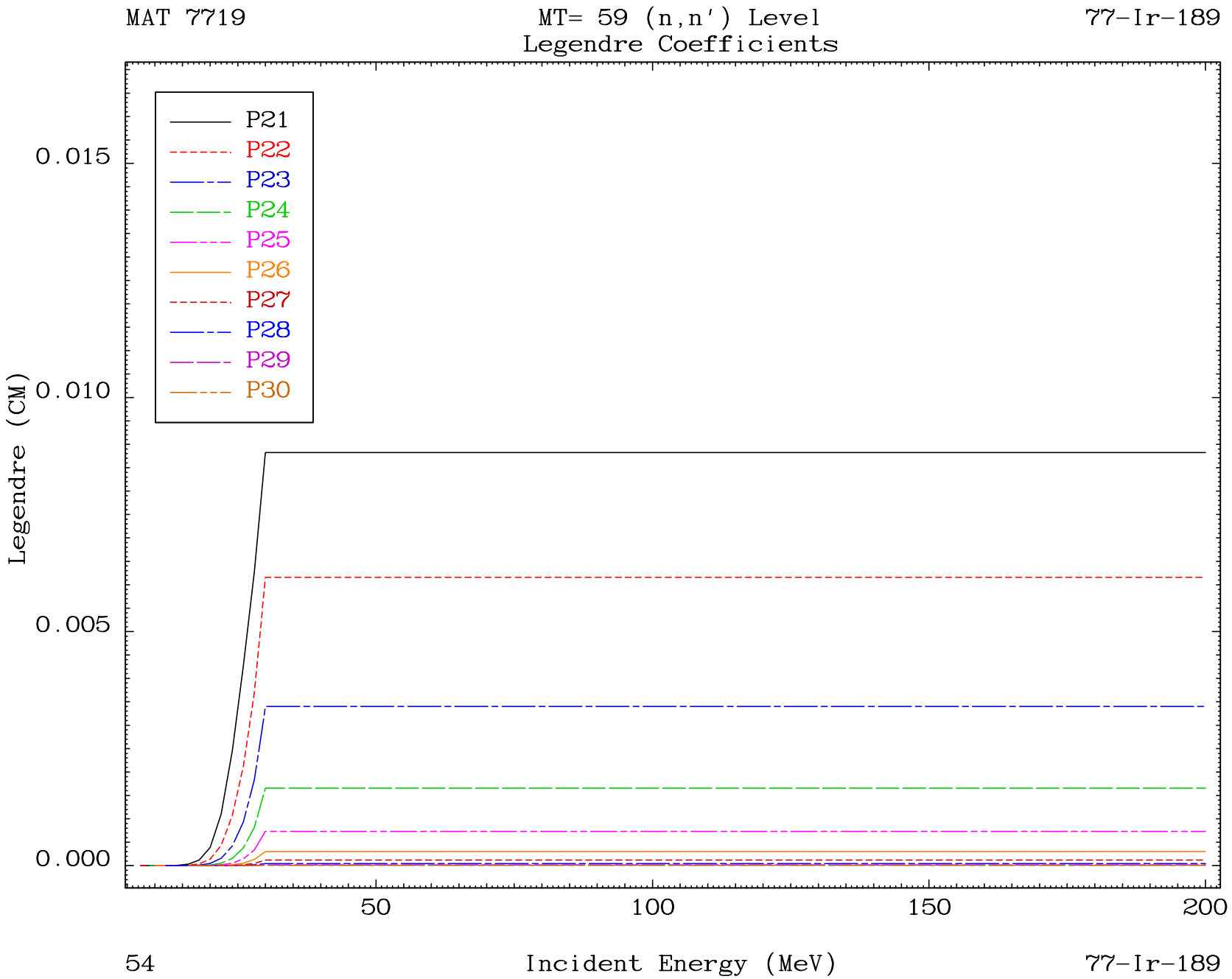

MAT 7719
MT= 58 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
49
Incident Energy (MeV)
77-Ir-189

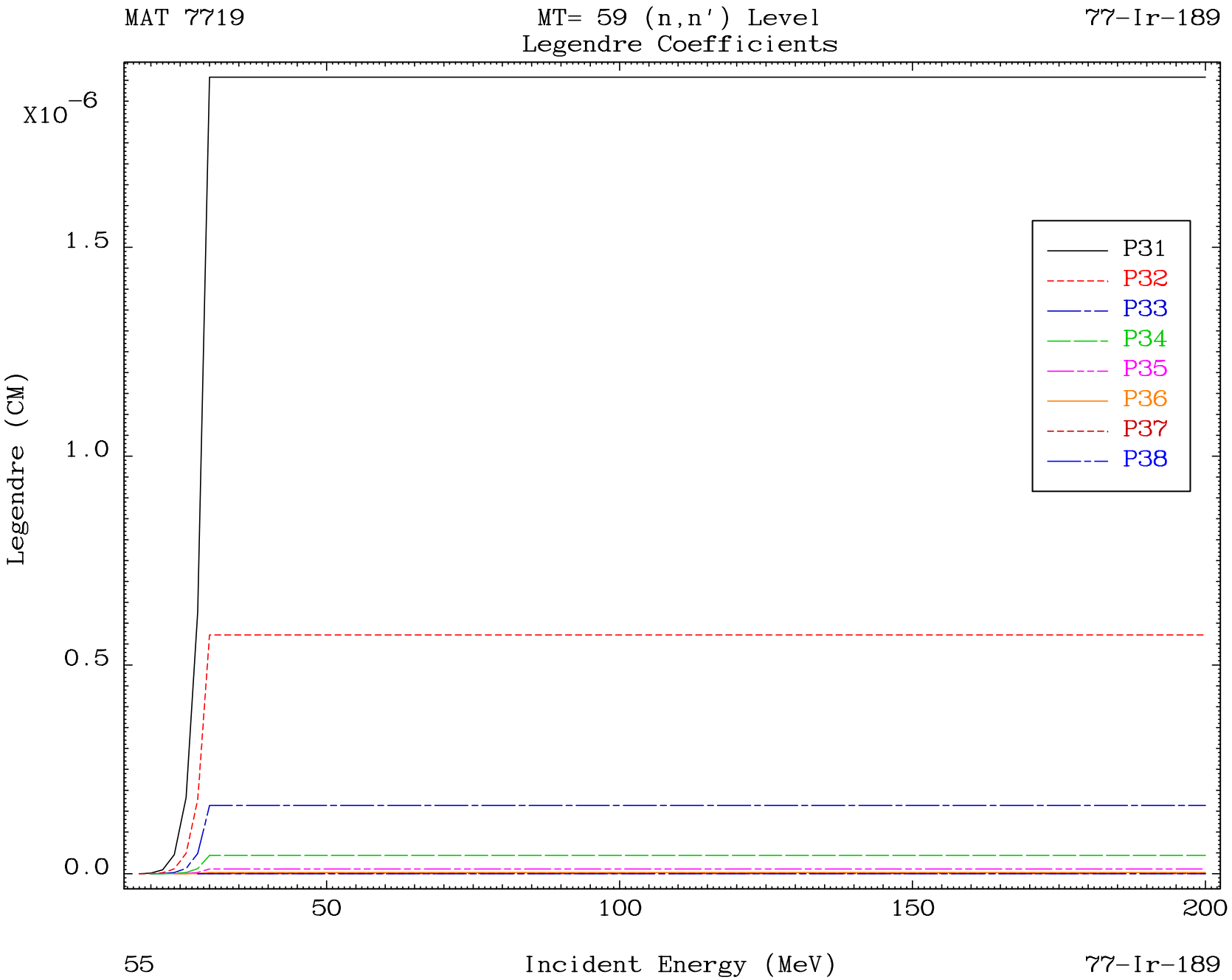

MAT 7719
MT= 58 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
77-Ir-189

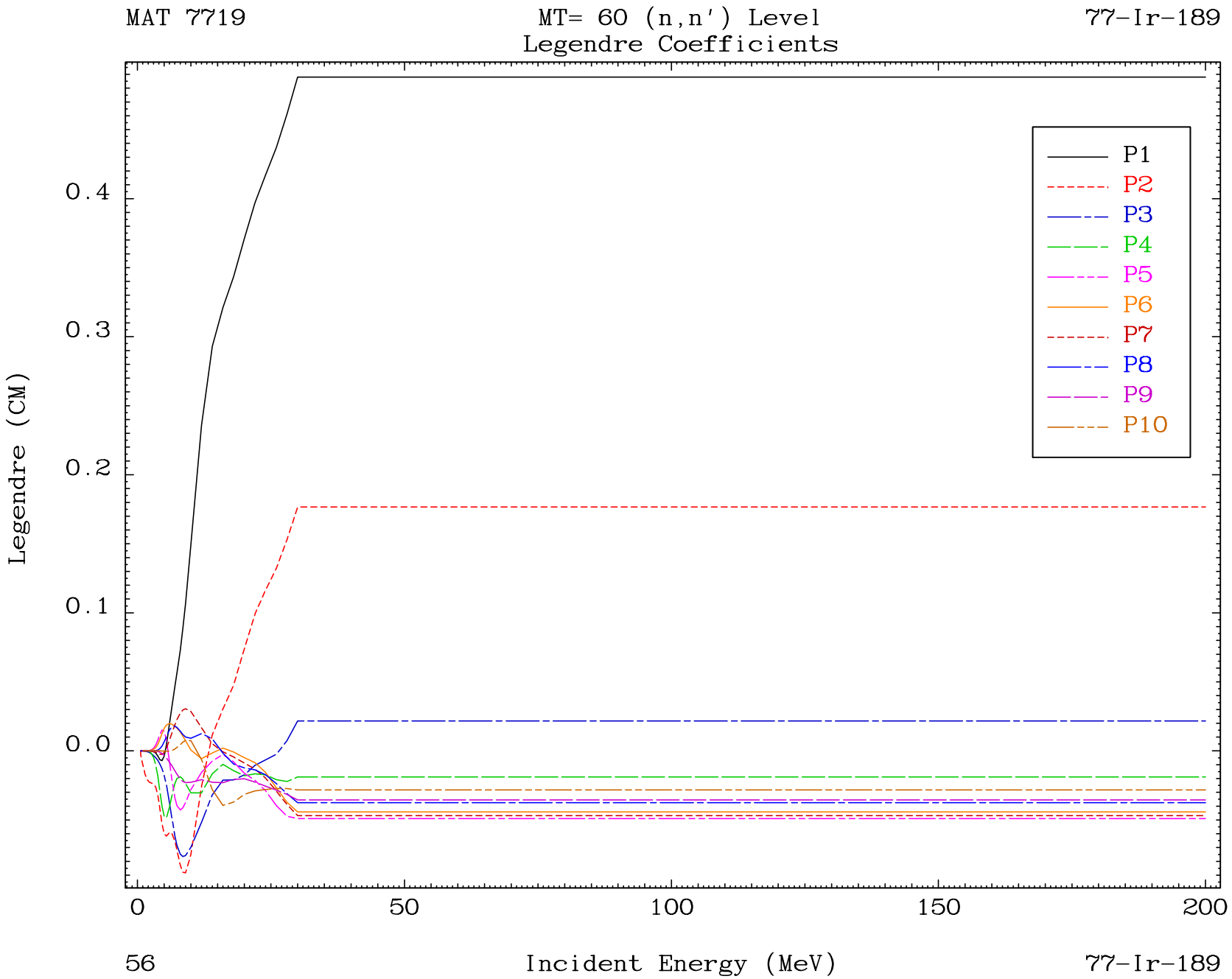

MAT 7719
MT= 58 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
51
Incident Energy (MeV)
77-Ir-189

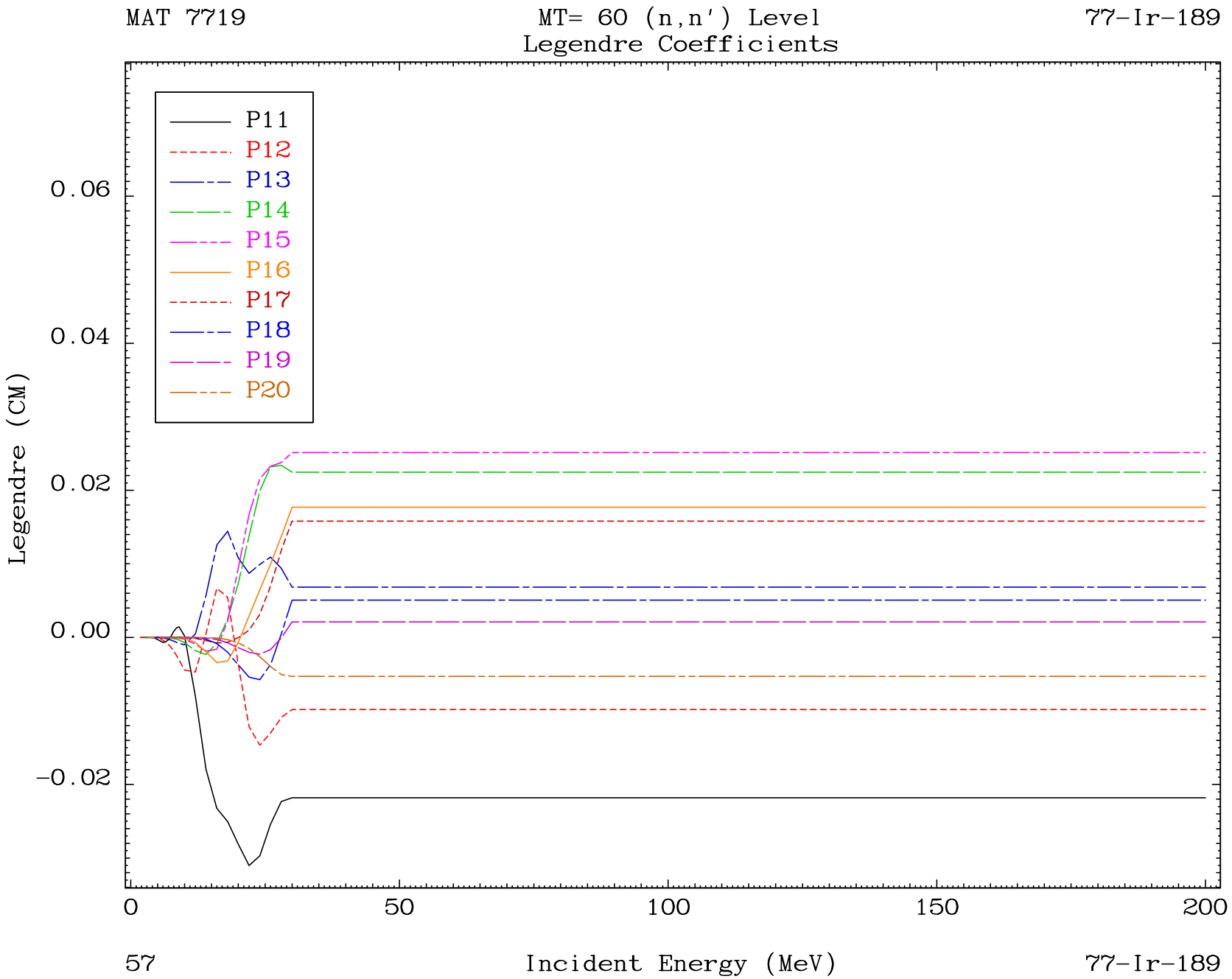

MAT 7719
MT= 59 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
77-Ir-189

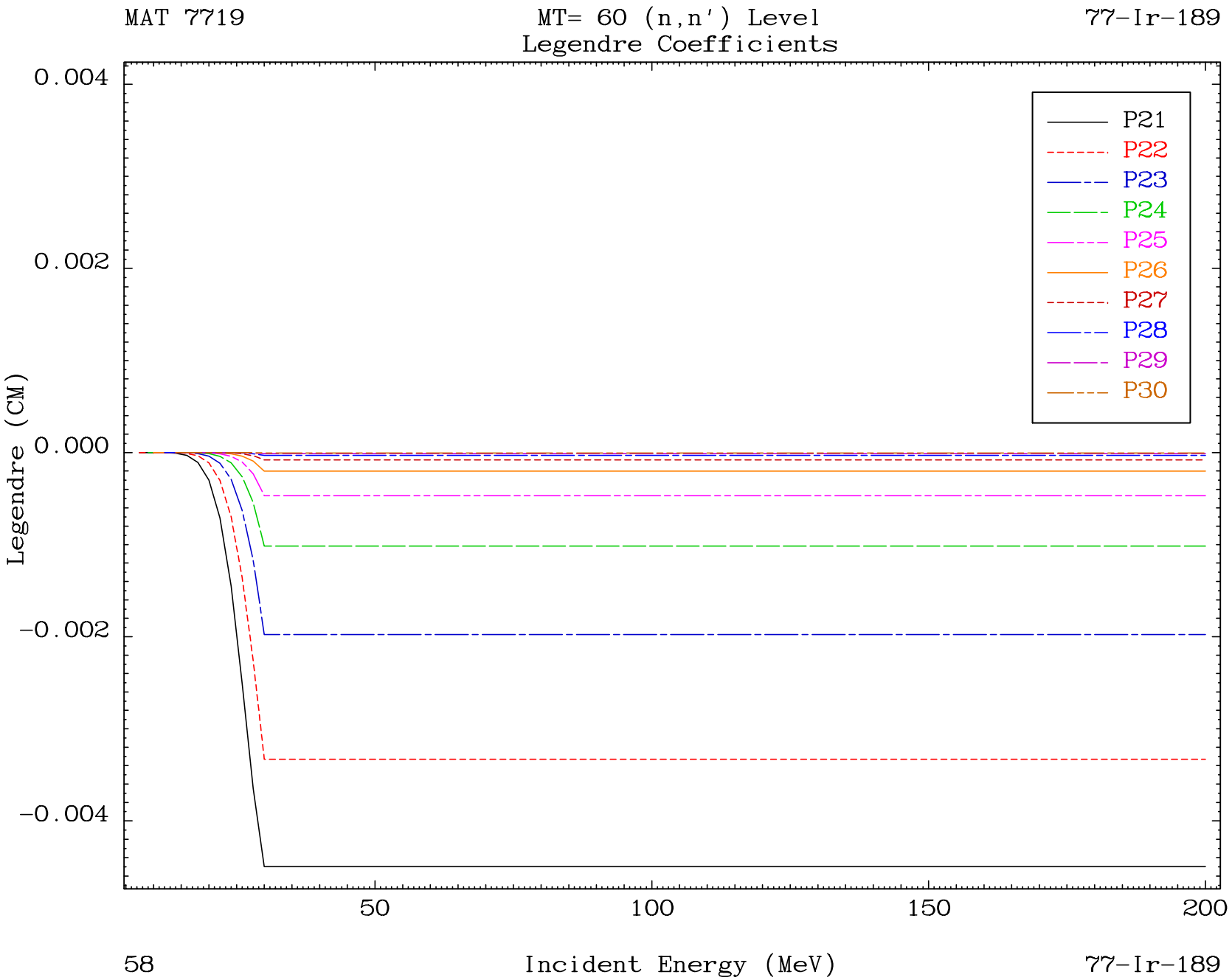

MAT 7719
MT= 59 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
53
Incident Energy (MeV)
77-Ir-189

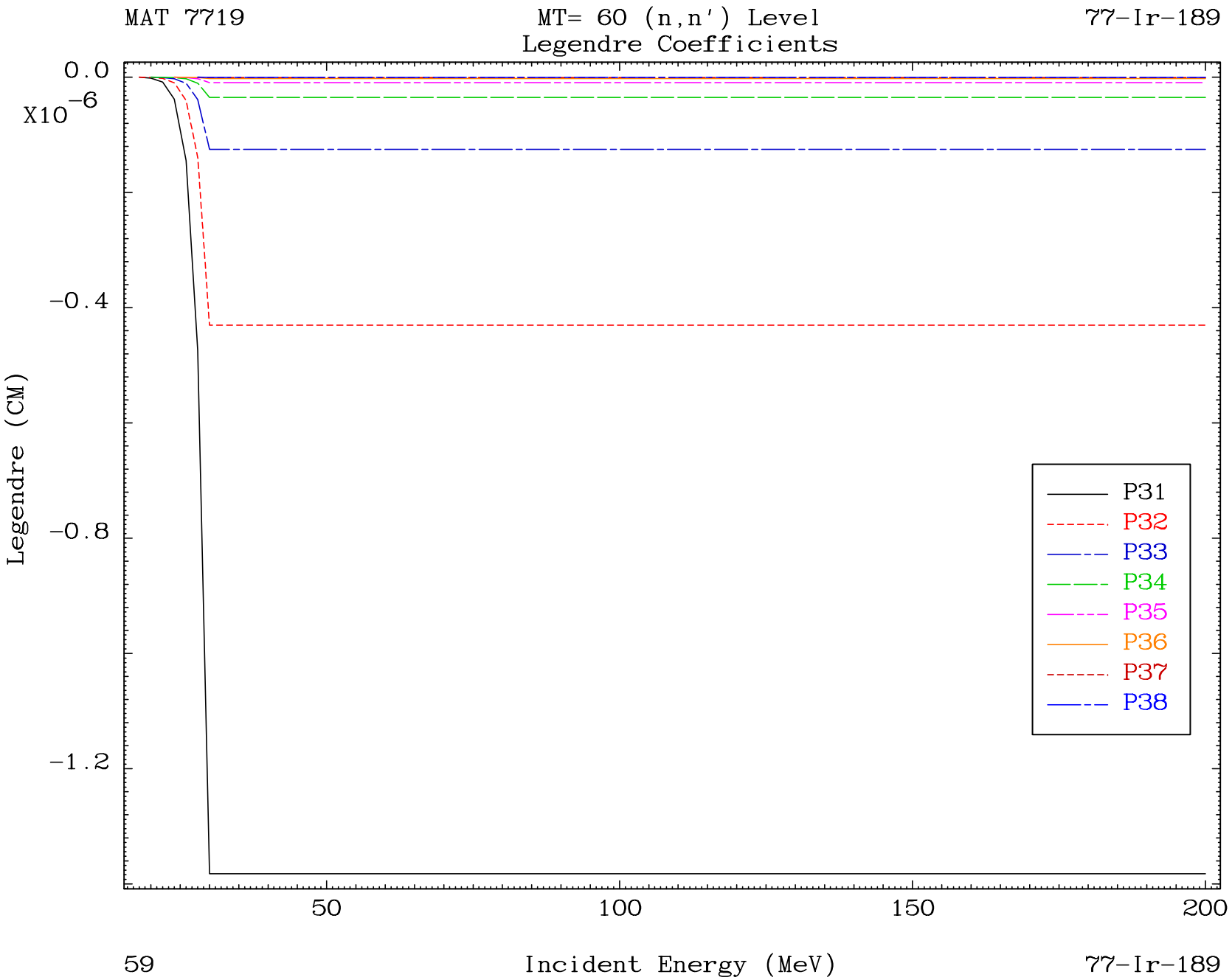

MAT 7719
MT= 59 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
77-Ir-189

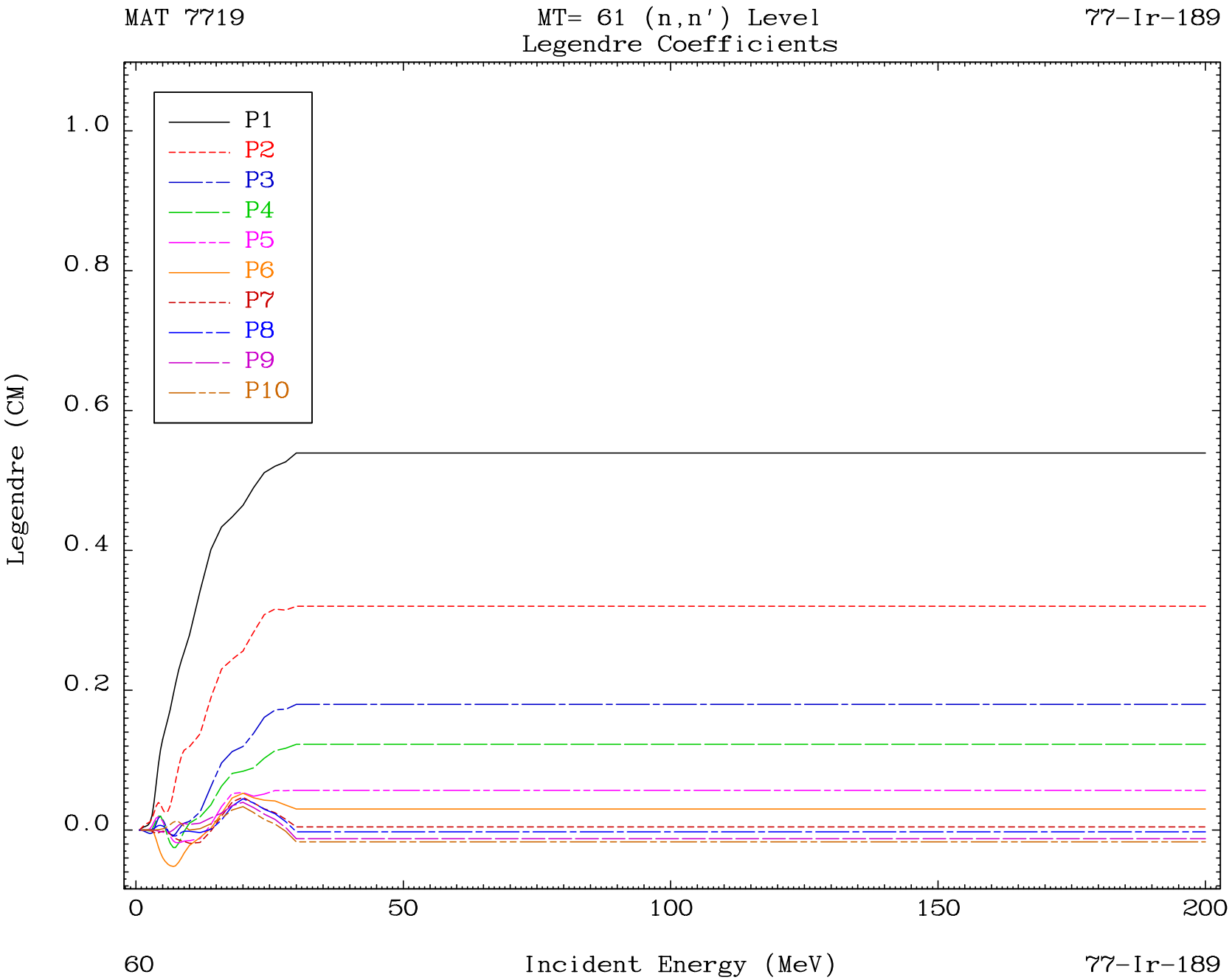

MAT 7719
MT= 59 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
55
Incident Energy (MeV)
77-Ir-189

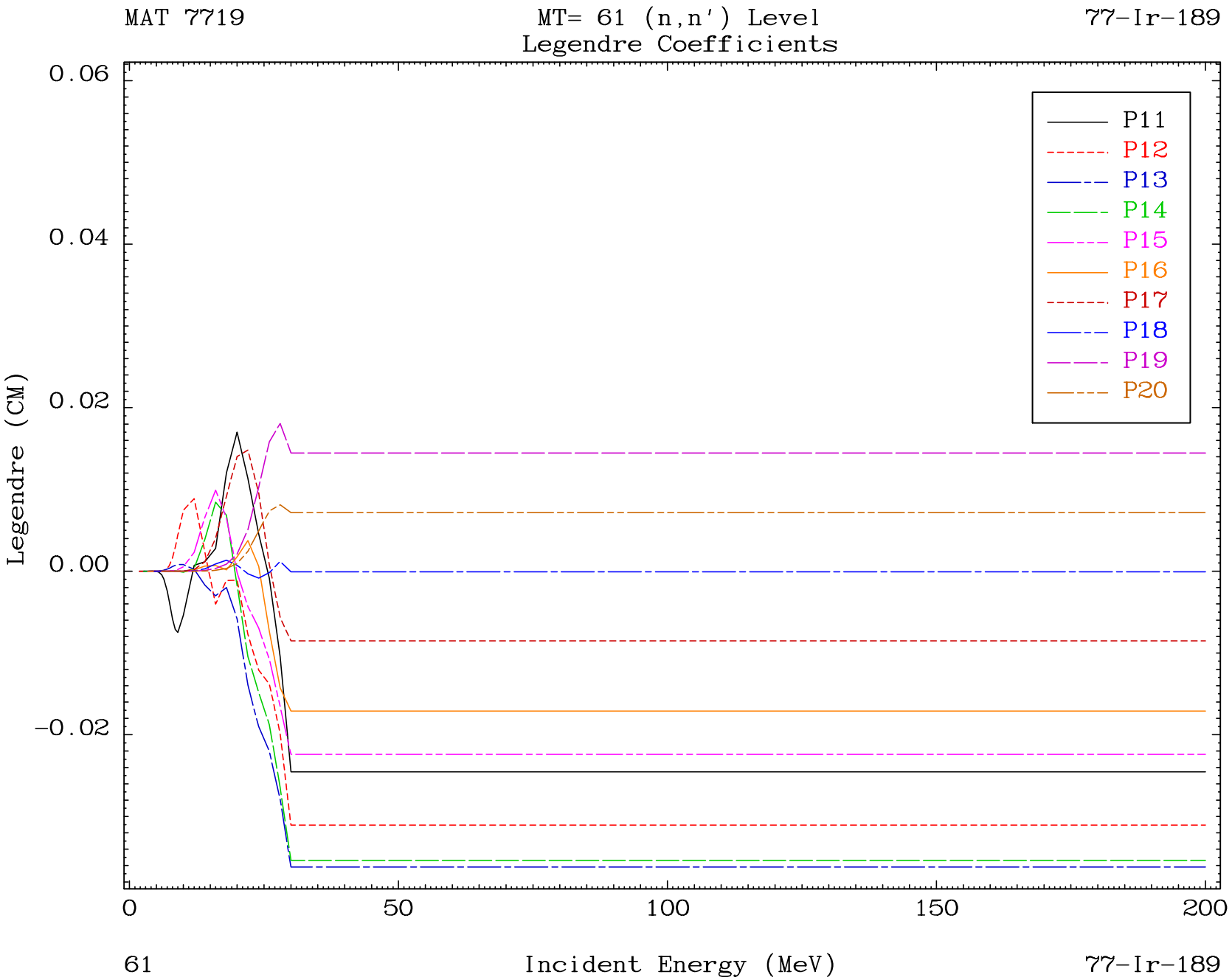

MAT 7719
MT= 60 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
56
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

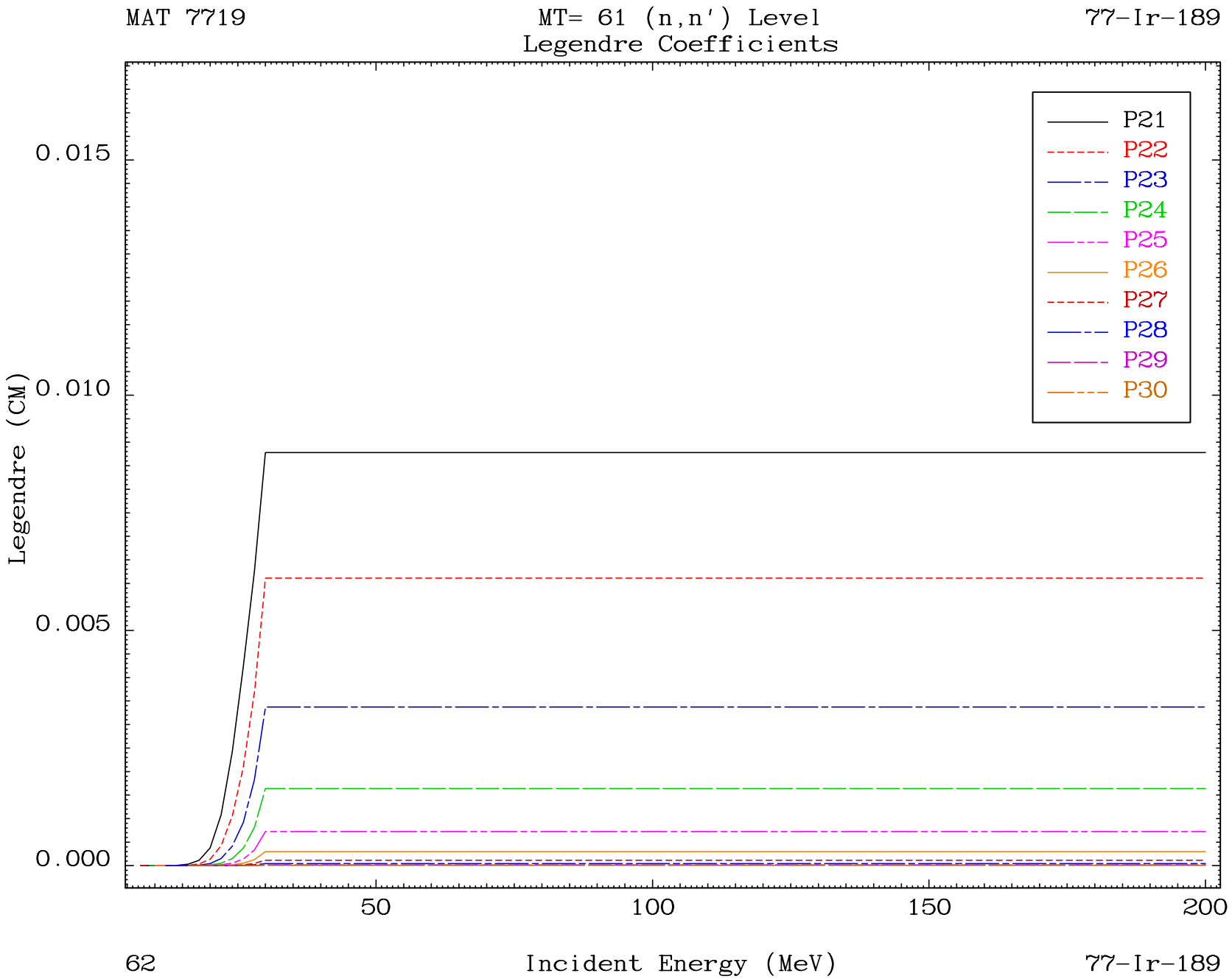

MAT 7719
MT= 60 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
77-Ir-189

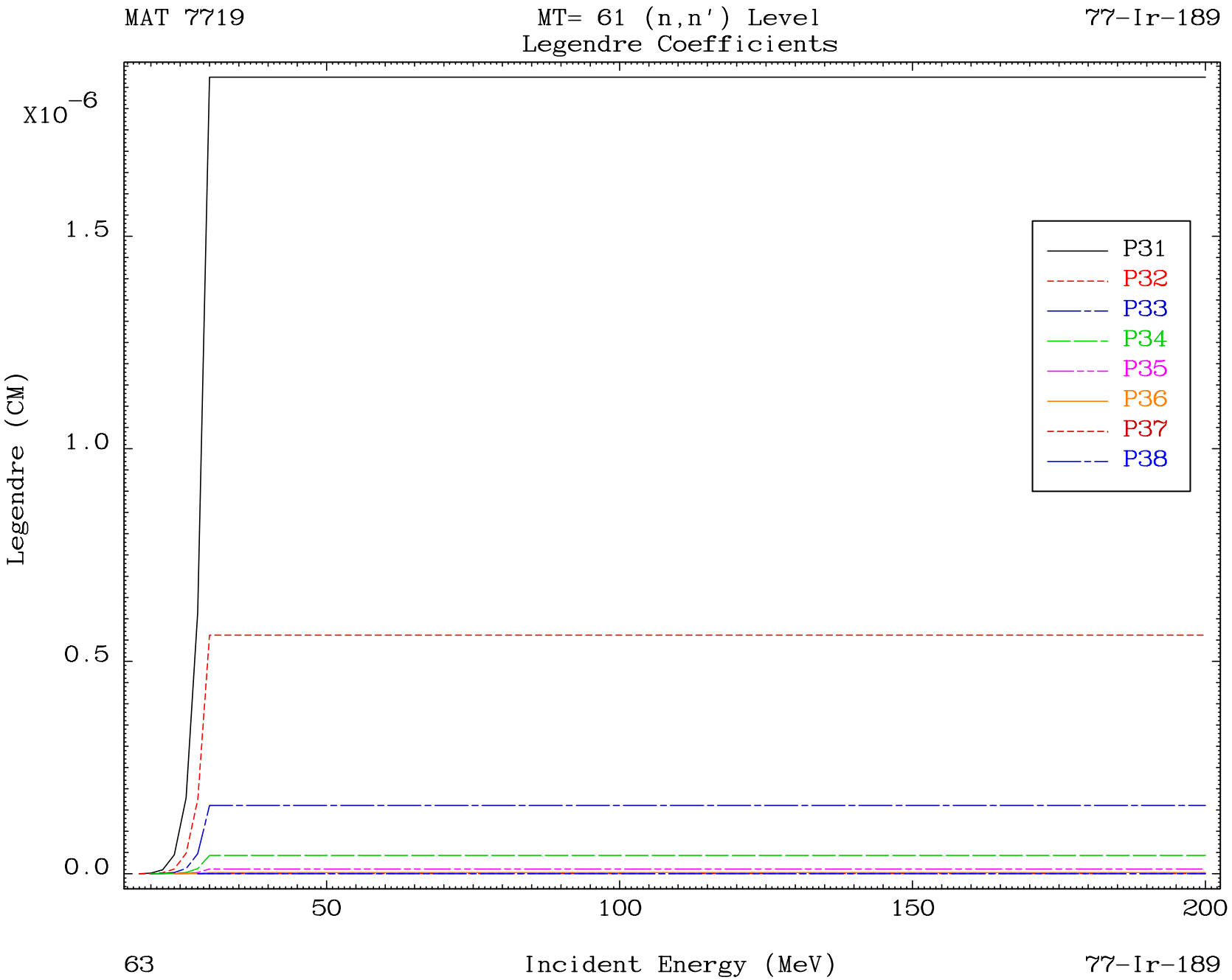

MAT 7719
MT= 60 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
58
Incident Energy (MeV)
77-Ir-189

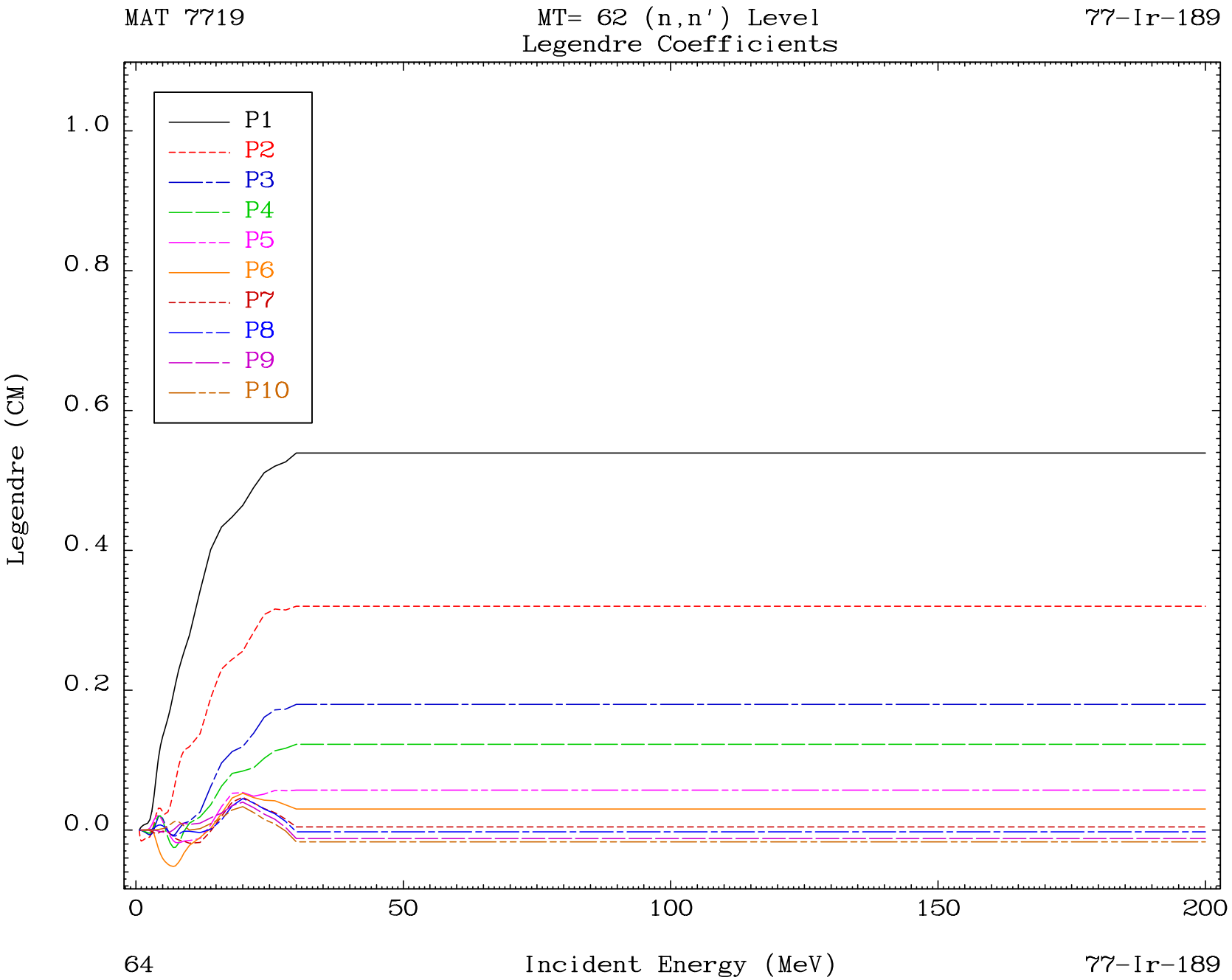

MAT 7719
MT= 60 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

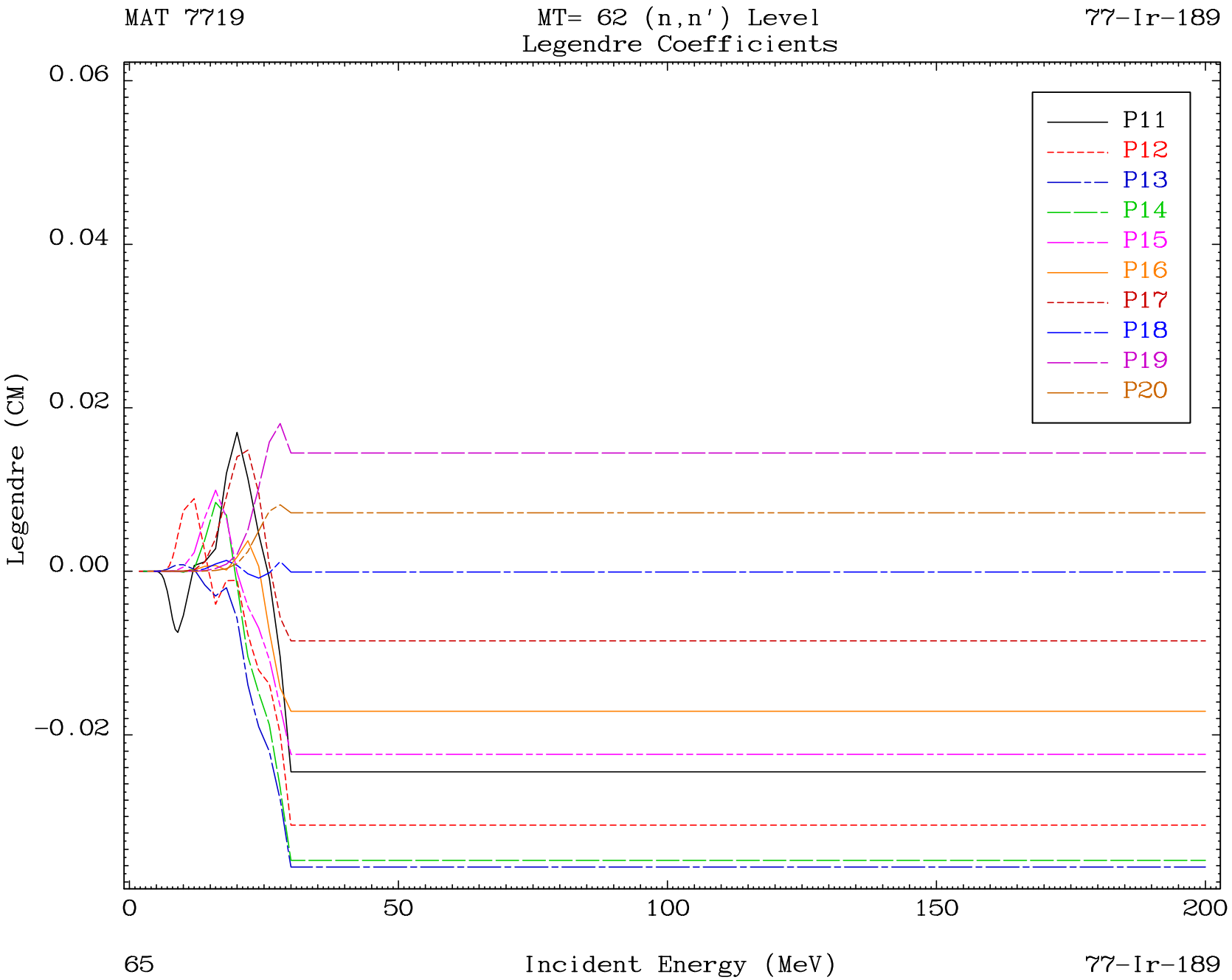

MAT 7719
MT= 61 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
60
Incident Energy (MeV)
77-Ir-189

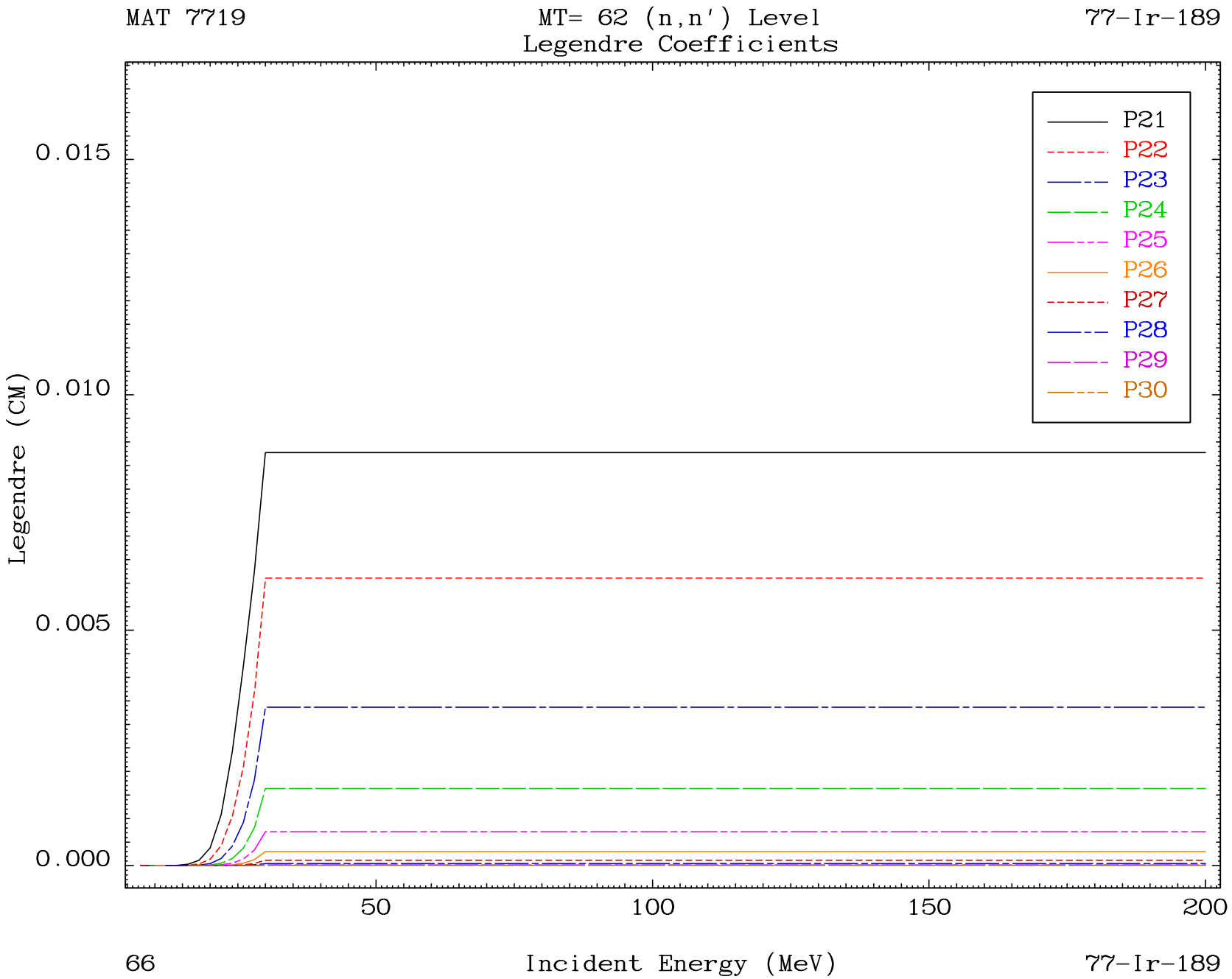

MAT 7719
MT= 61 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
61
Incident Energy (MeV)
77-Ir-189

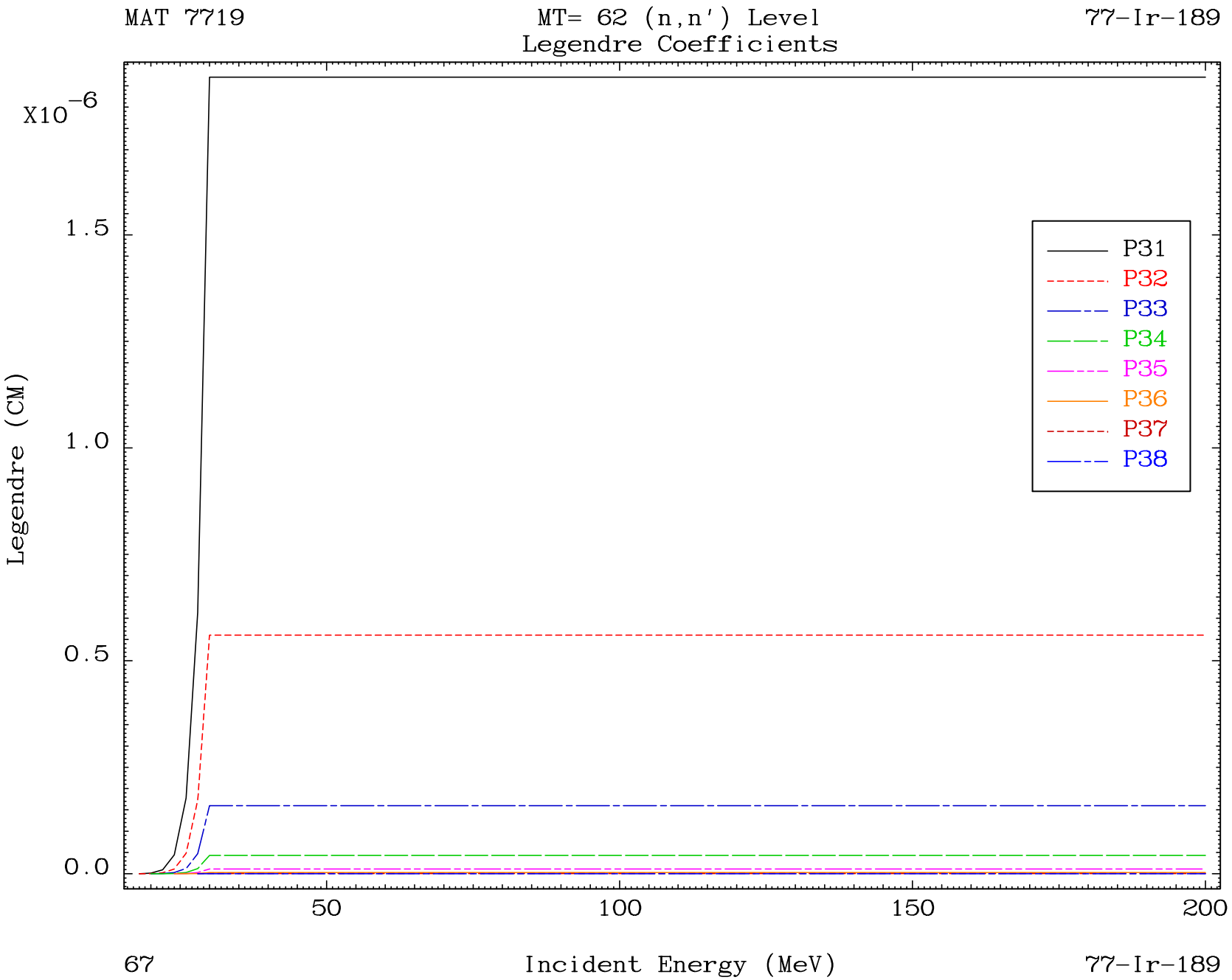

MAT 7719
MT= 61 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
77-Ir-189

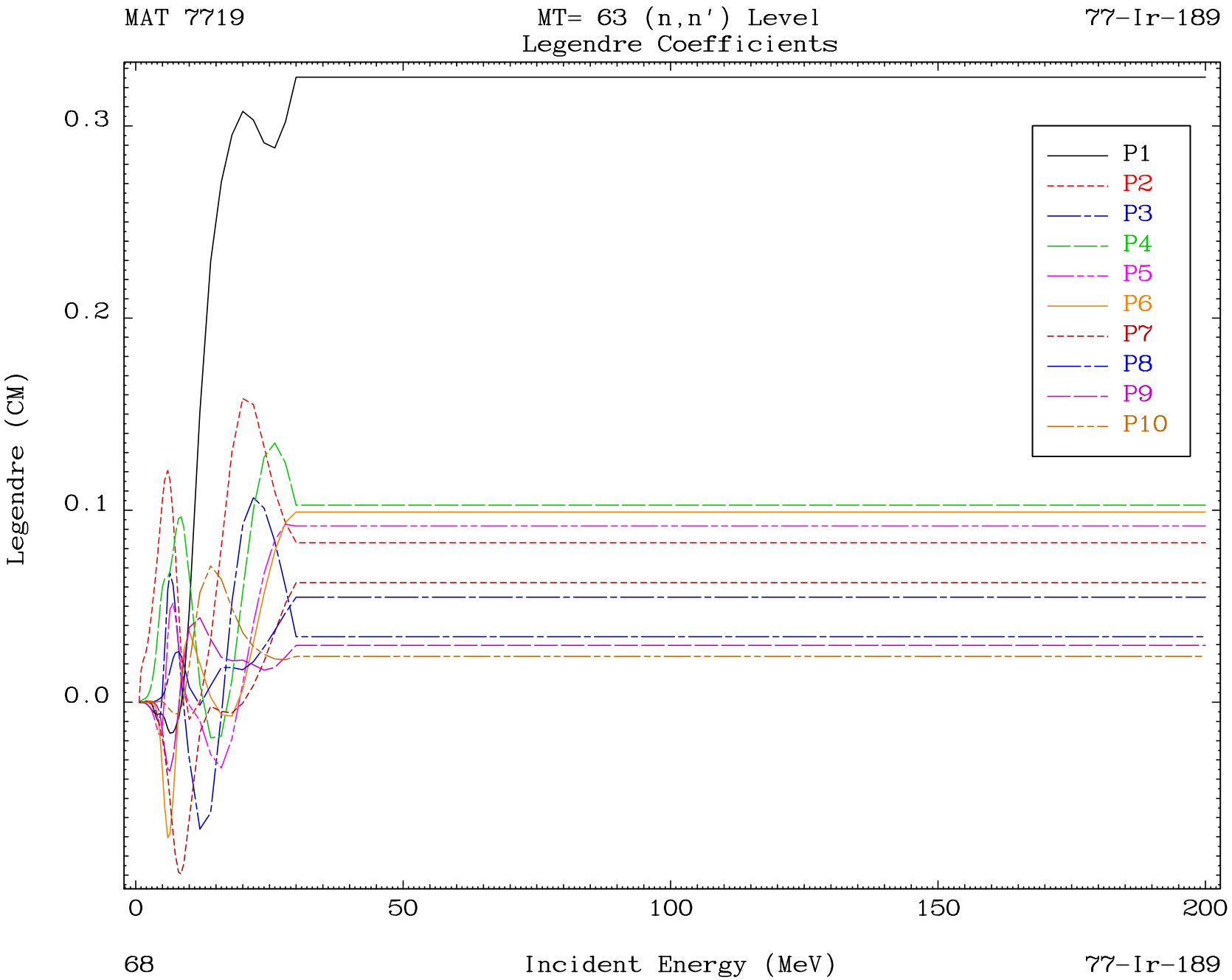

MAT 7719
MT= 61 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
63
Incident Energy (MeV)
77-Ir-189

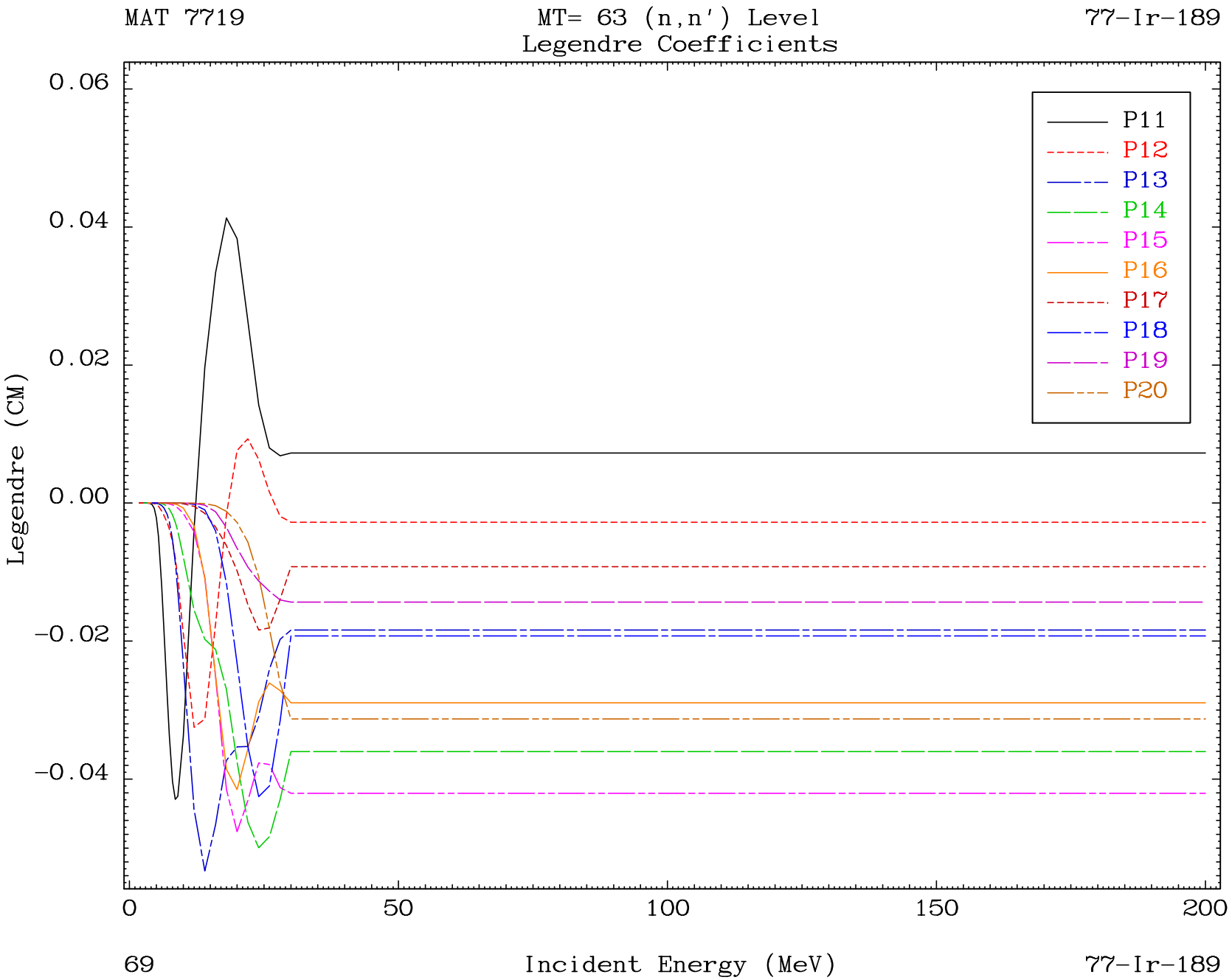

MAT 7719
MT= 62 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
64
Incident Energy (MeV)
77-Ir-189

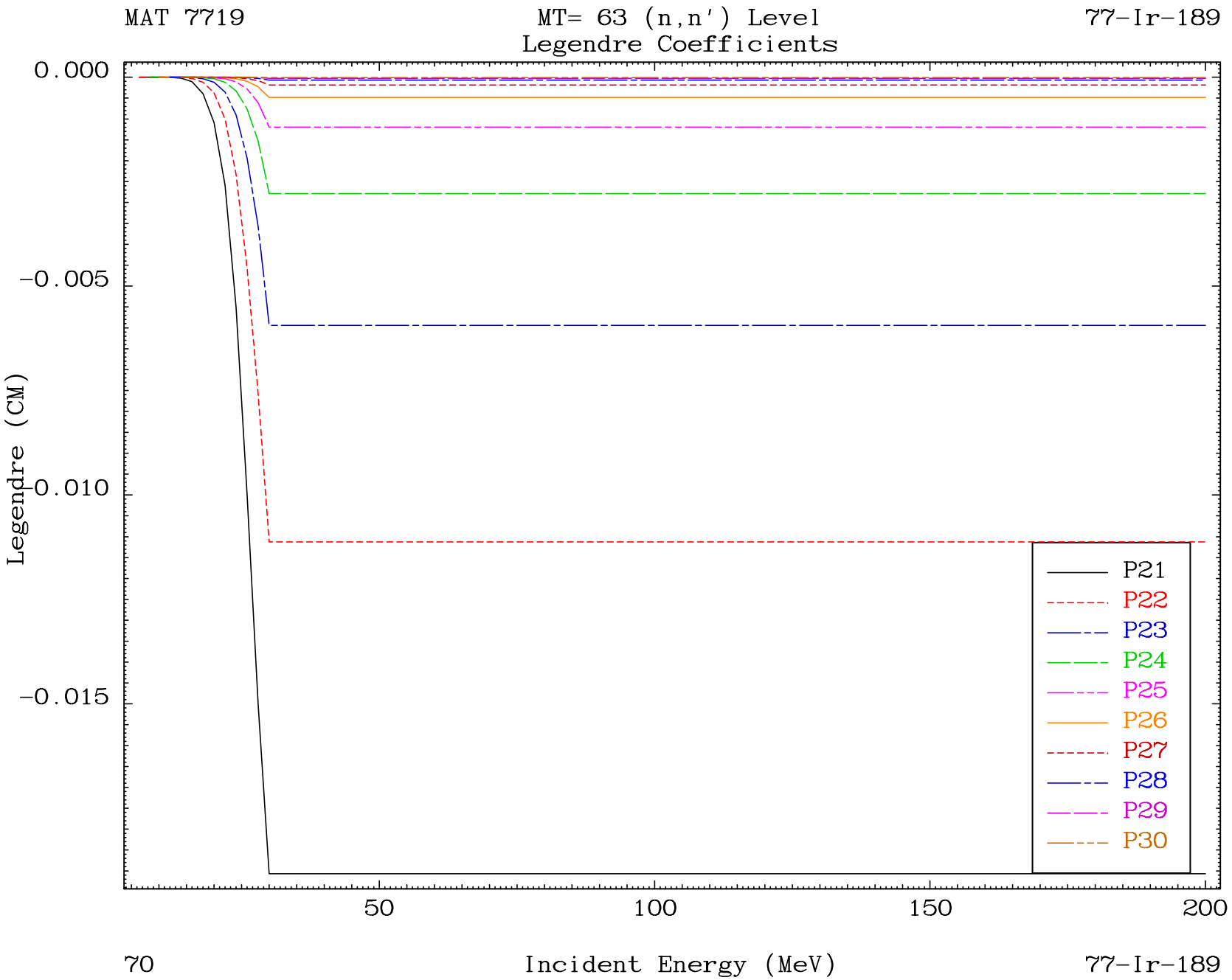

MAT 7719
MT= 62 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
65
Incident Energy (MeV)
77-Ir-189

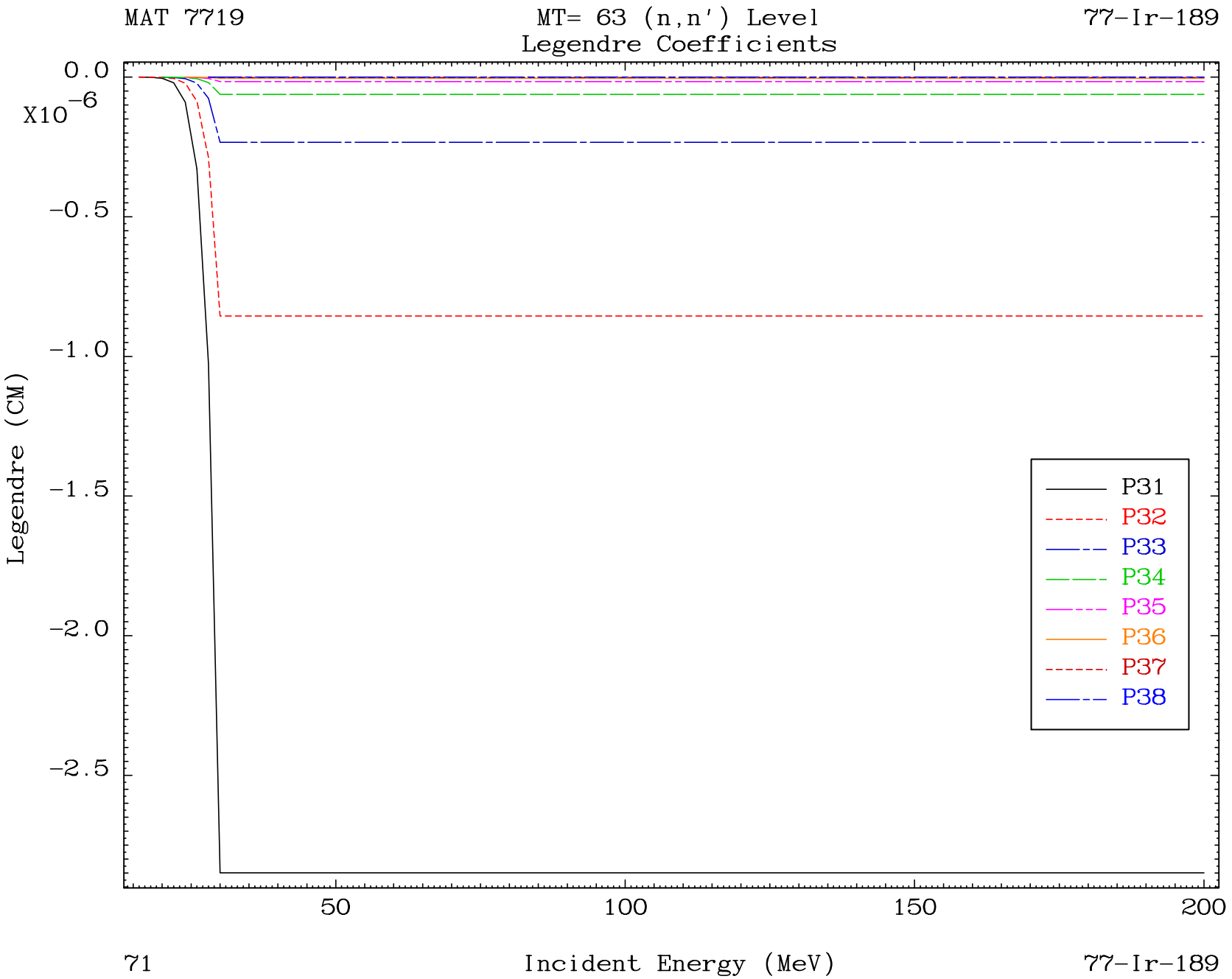

MAT 7719
MT= 62 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
77-Ir-189

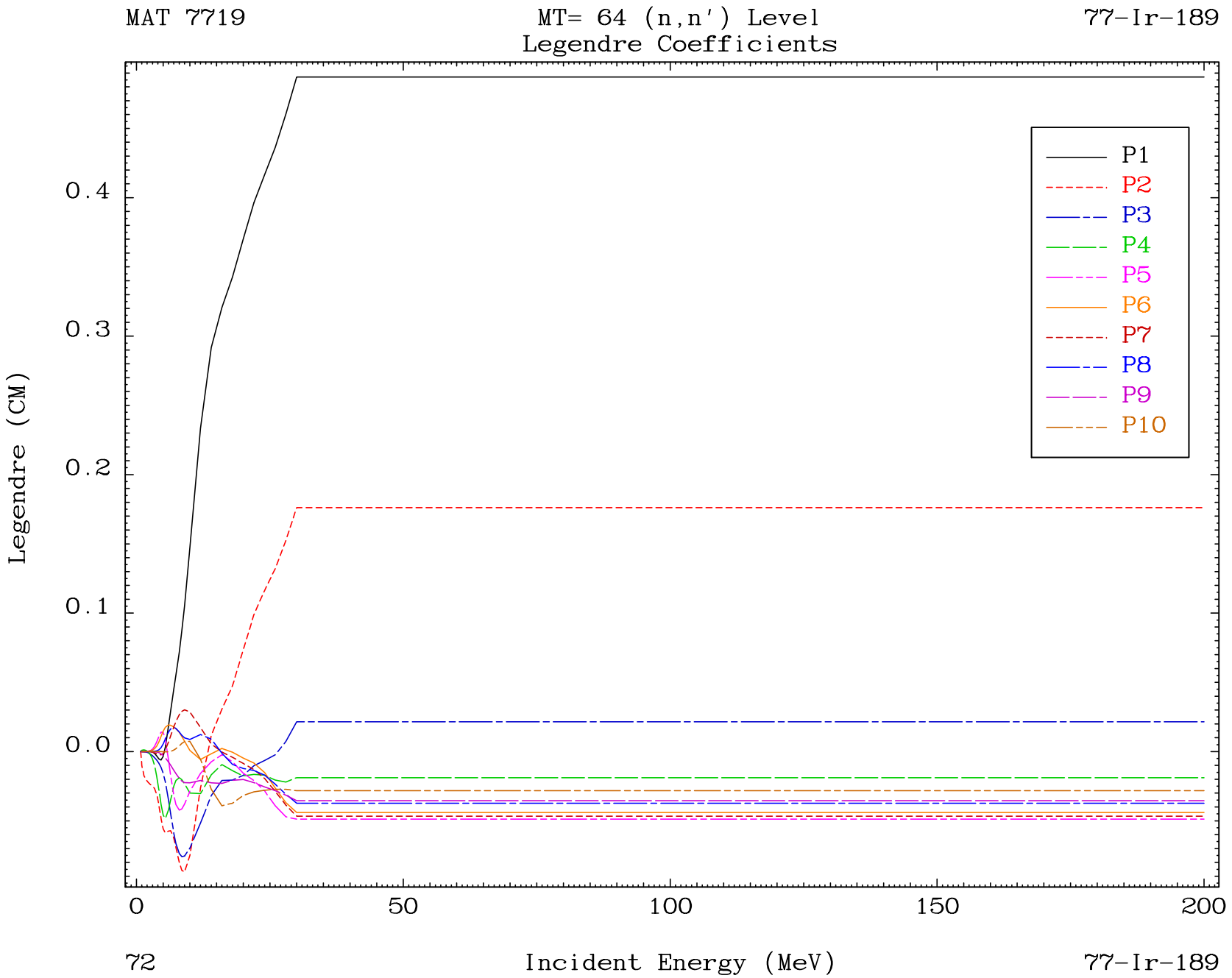

MAT 7719
MT= 62 (n,n') Level
Legendre Coefficients
77-Ir-189
X10−6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
67
Incident Energy (MeV)
77-Ir-189

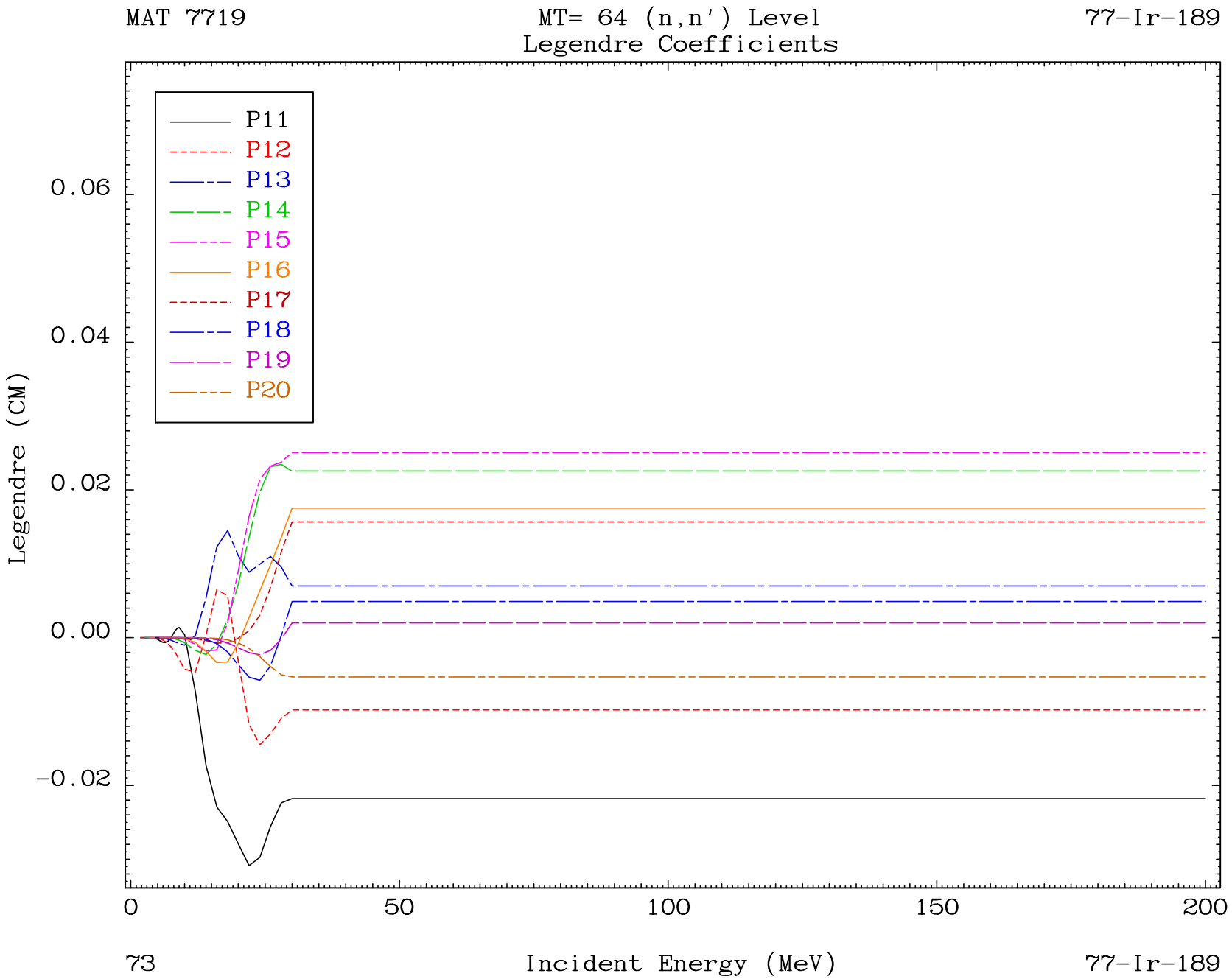

MAT 7719
MT= 63 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
68
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

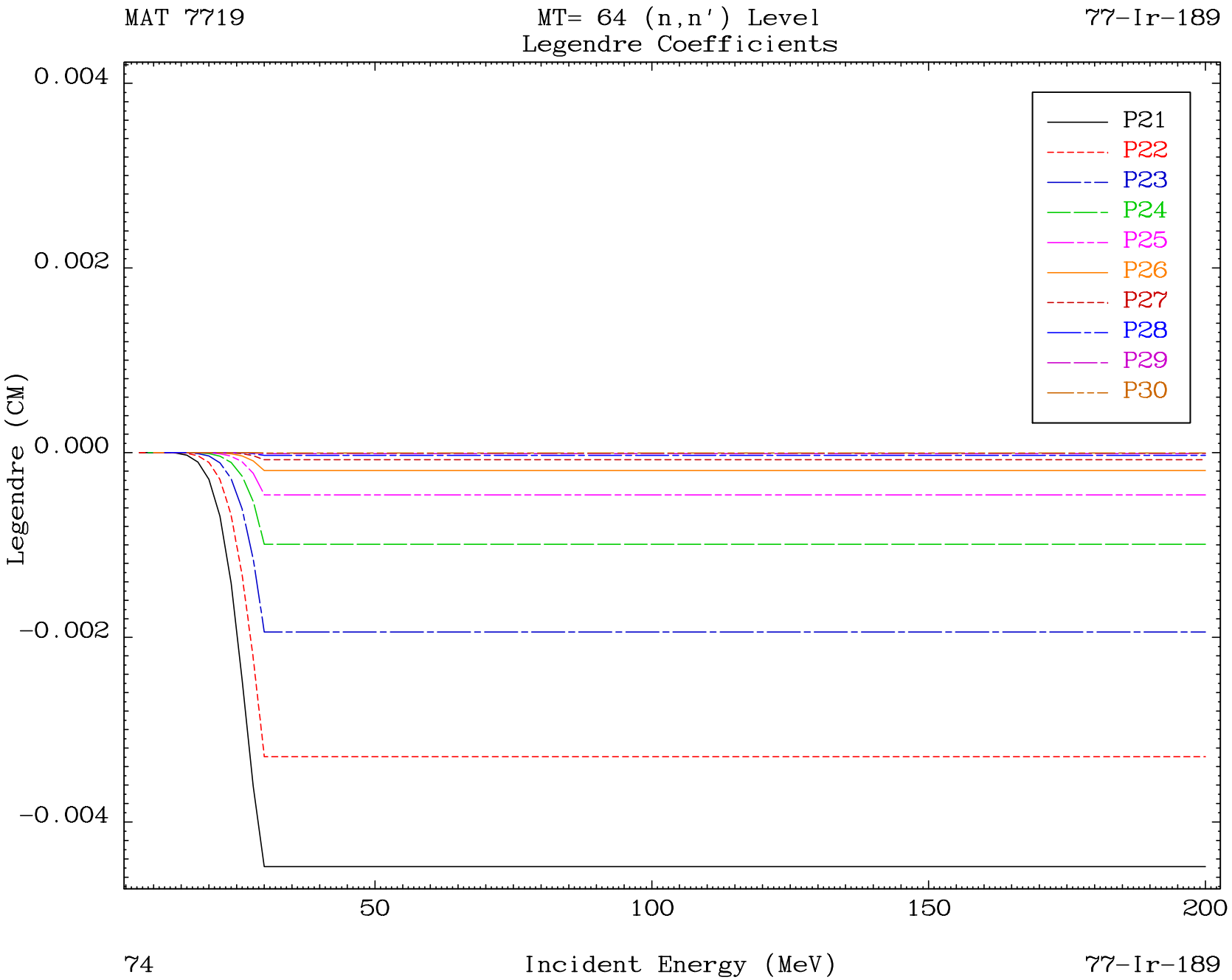

MAT 7719
MT= 63 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
69
Incident Energy (MeV)
77-Ir-189

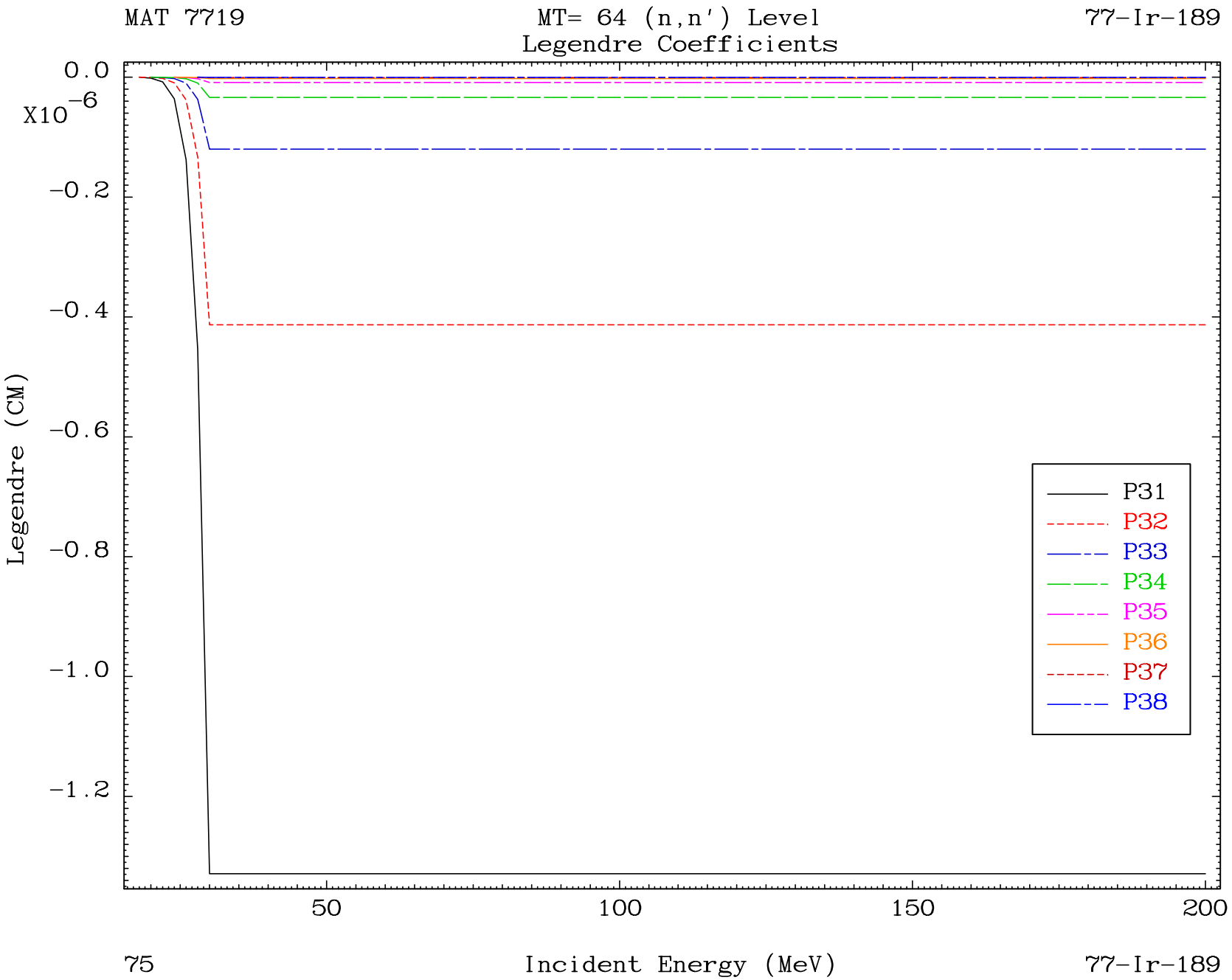

MAT 7719
MT= 63 (n,n') Level
Legendre Coefficients
77-Ir-189
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

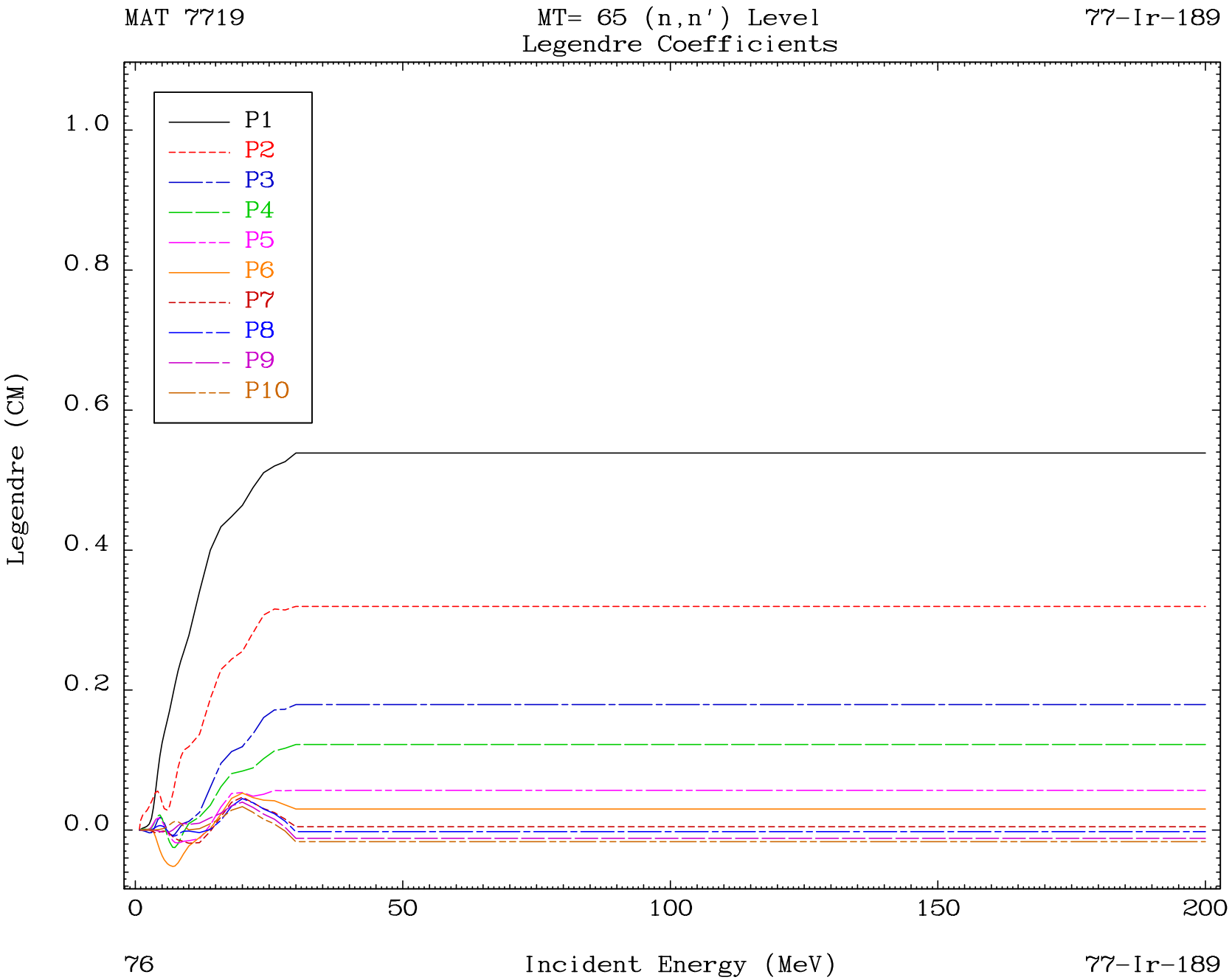

MAT 7719
MT= 63 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

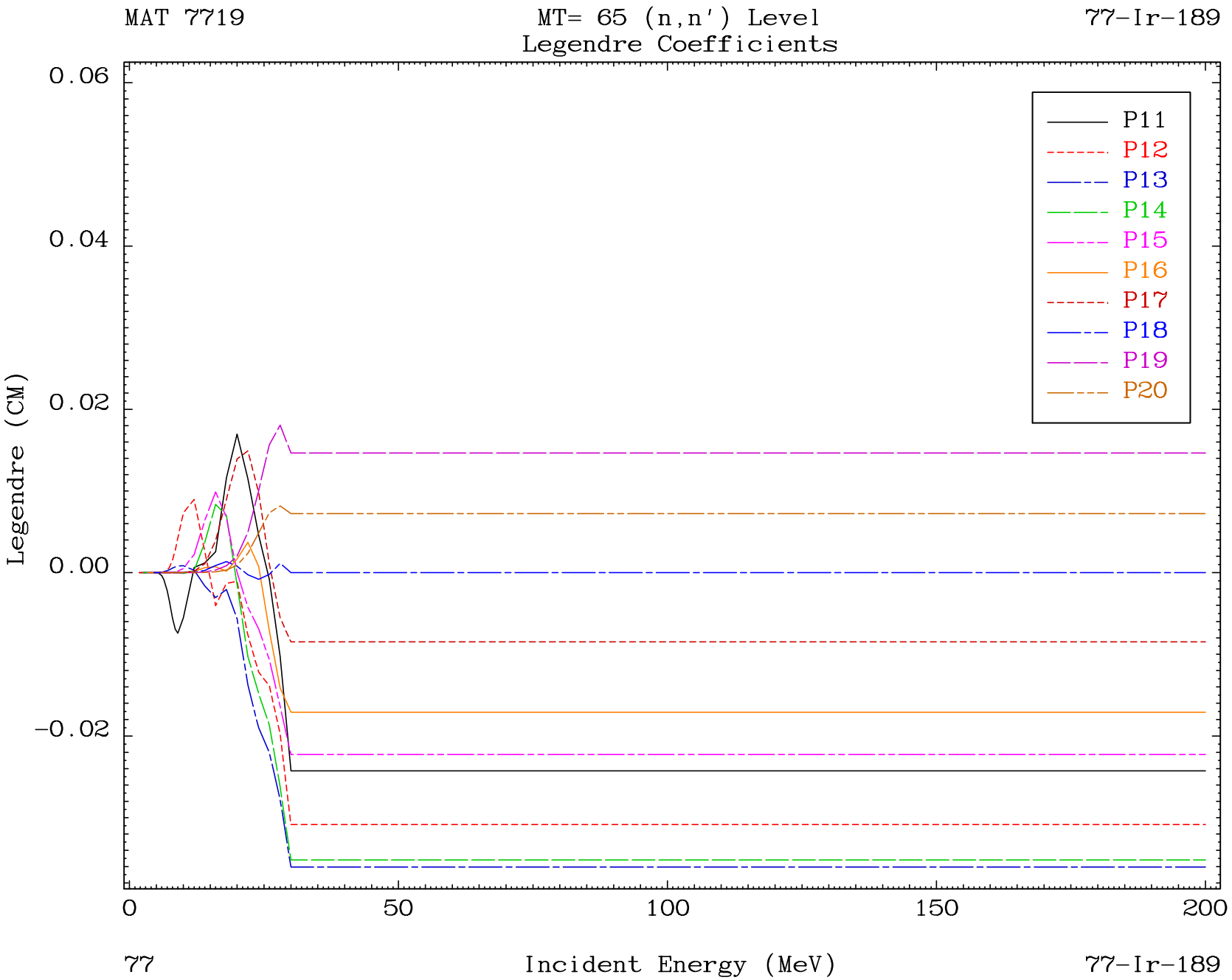

MAT 7719
MT= 64 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
72
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

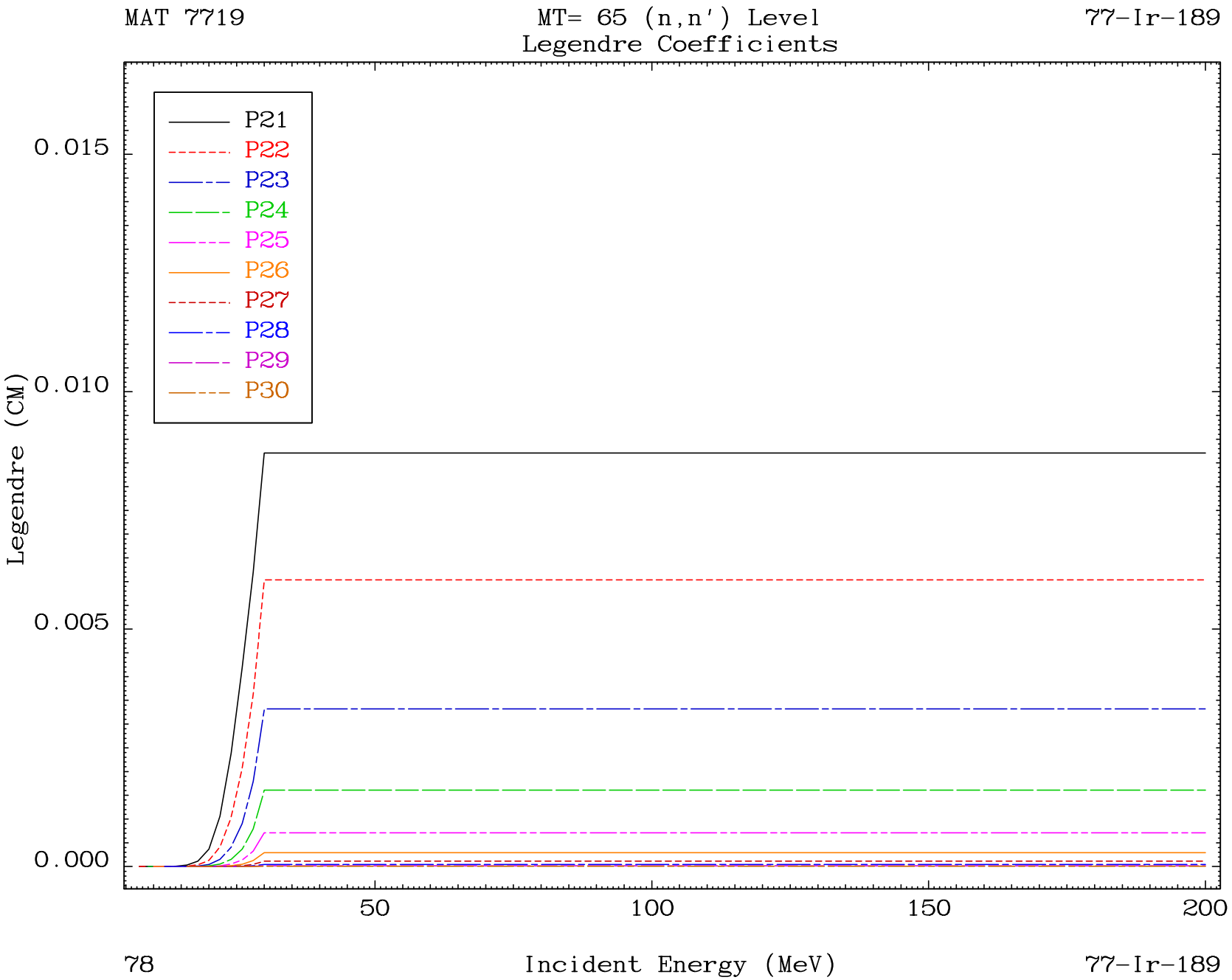

MAT 7719
MT= 64 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
77-Ir-189

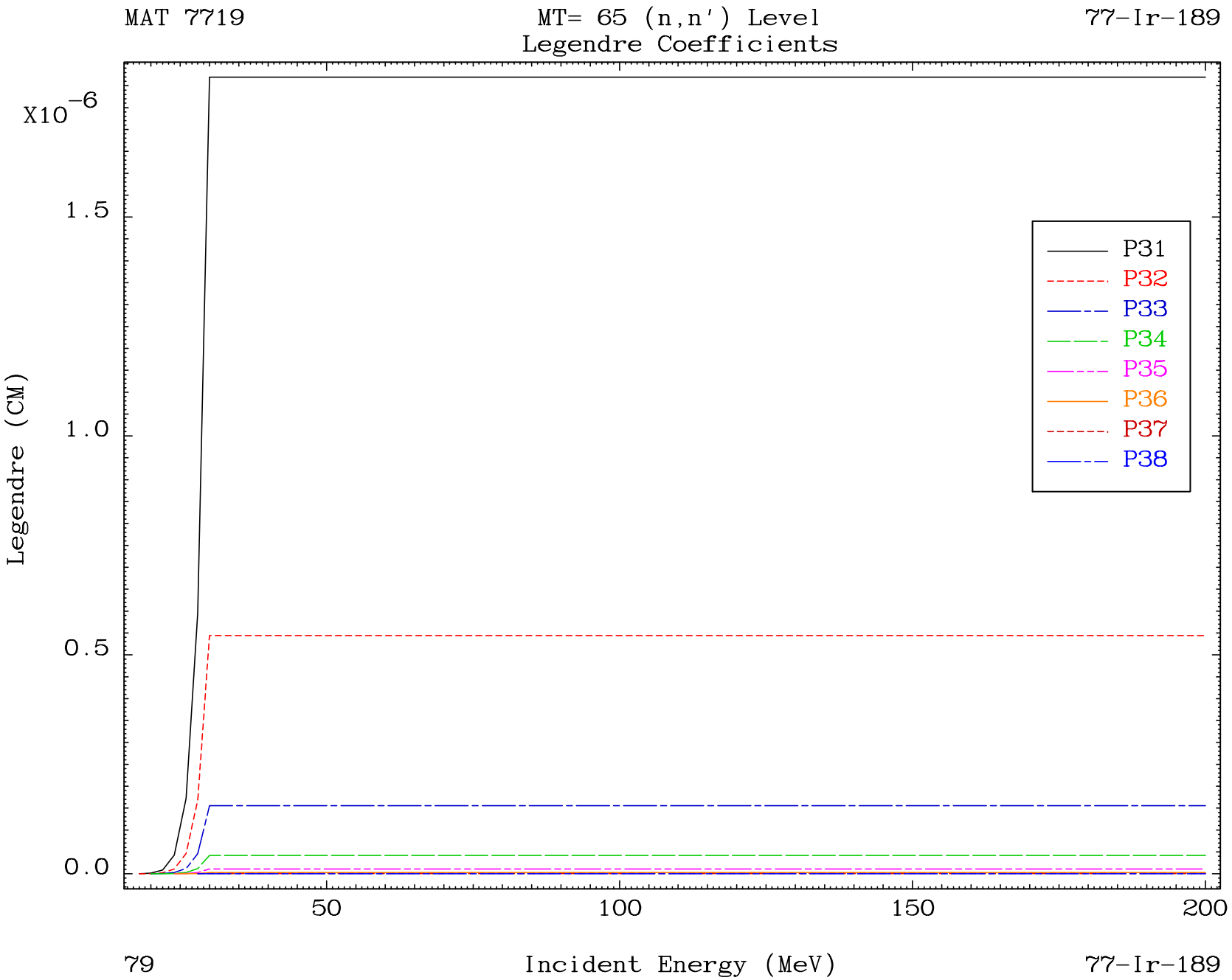

MAT 7719
MT= 64 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
74
Incident Energy (MeV)
77-Ir-189

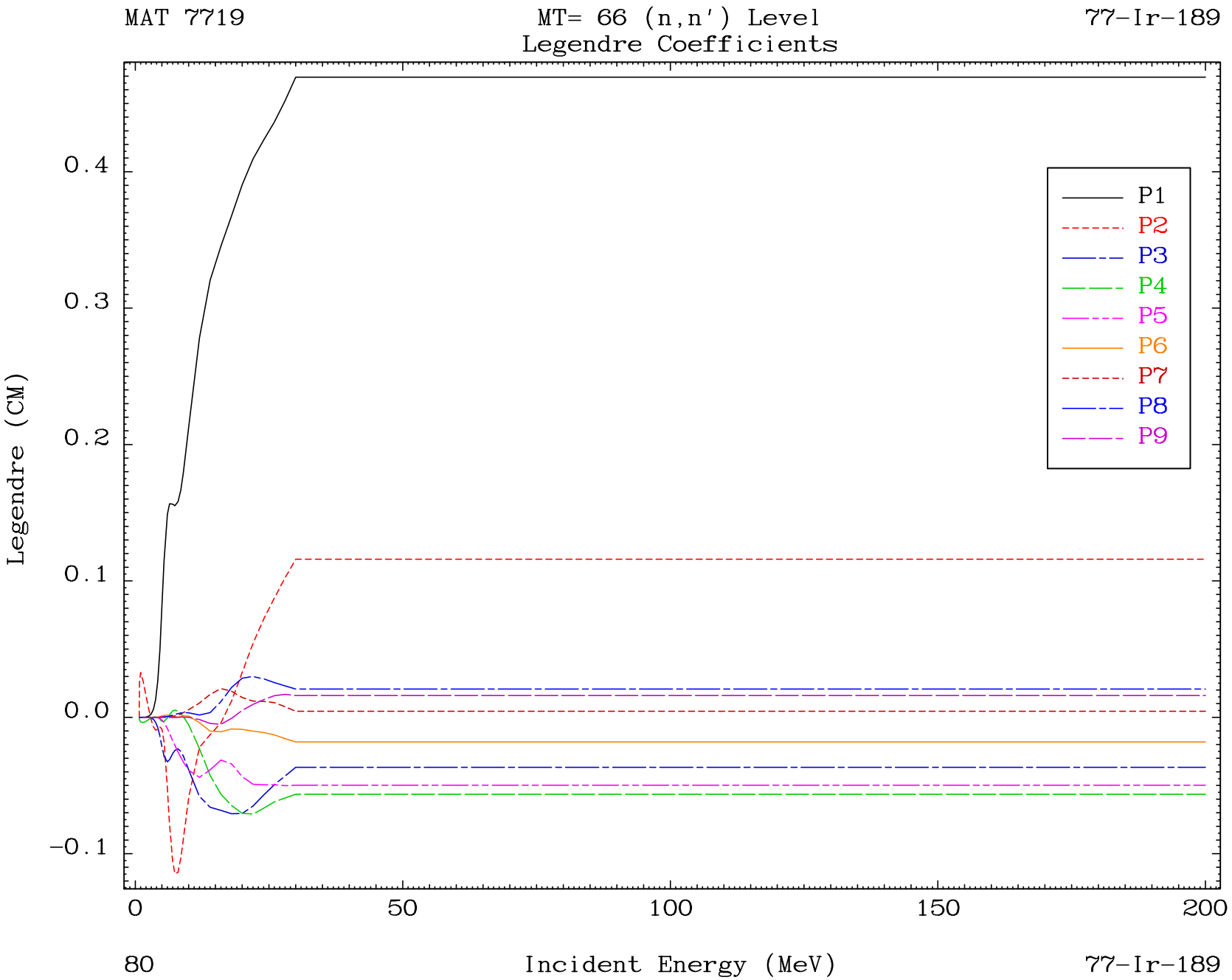

MAT 7719
MT= 64 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
75
Incident Energy (MeV)
77-Ir-189

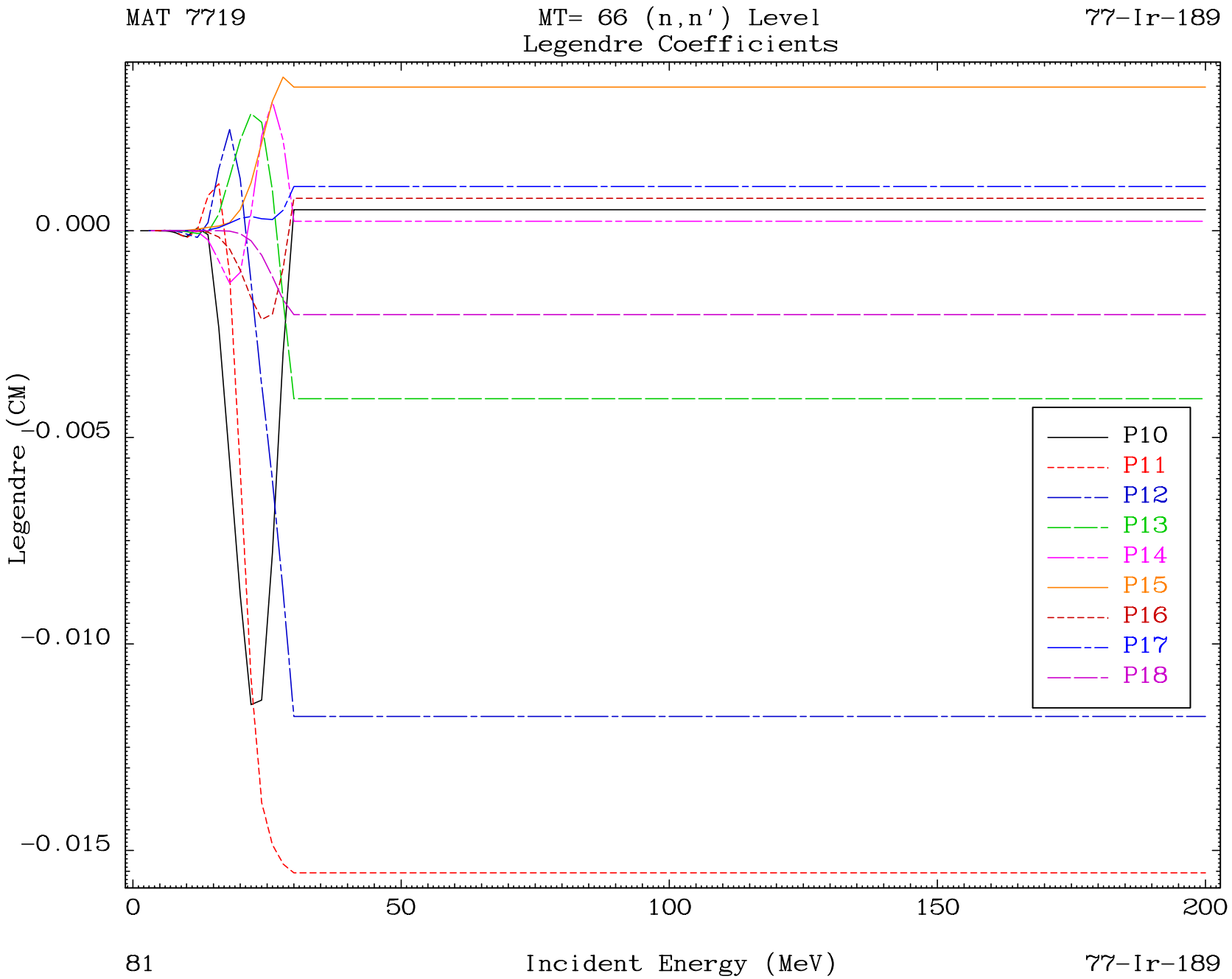

MAT 7719
MT= 65 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
77-Ir-189

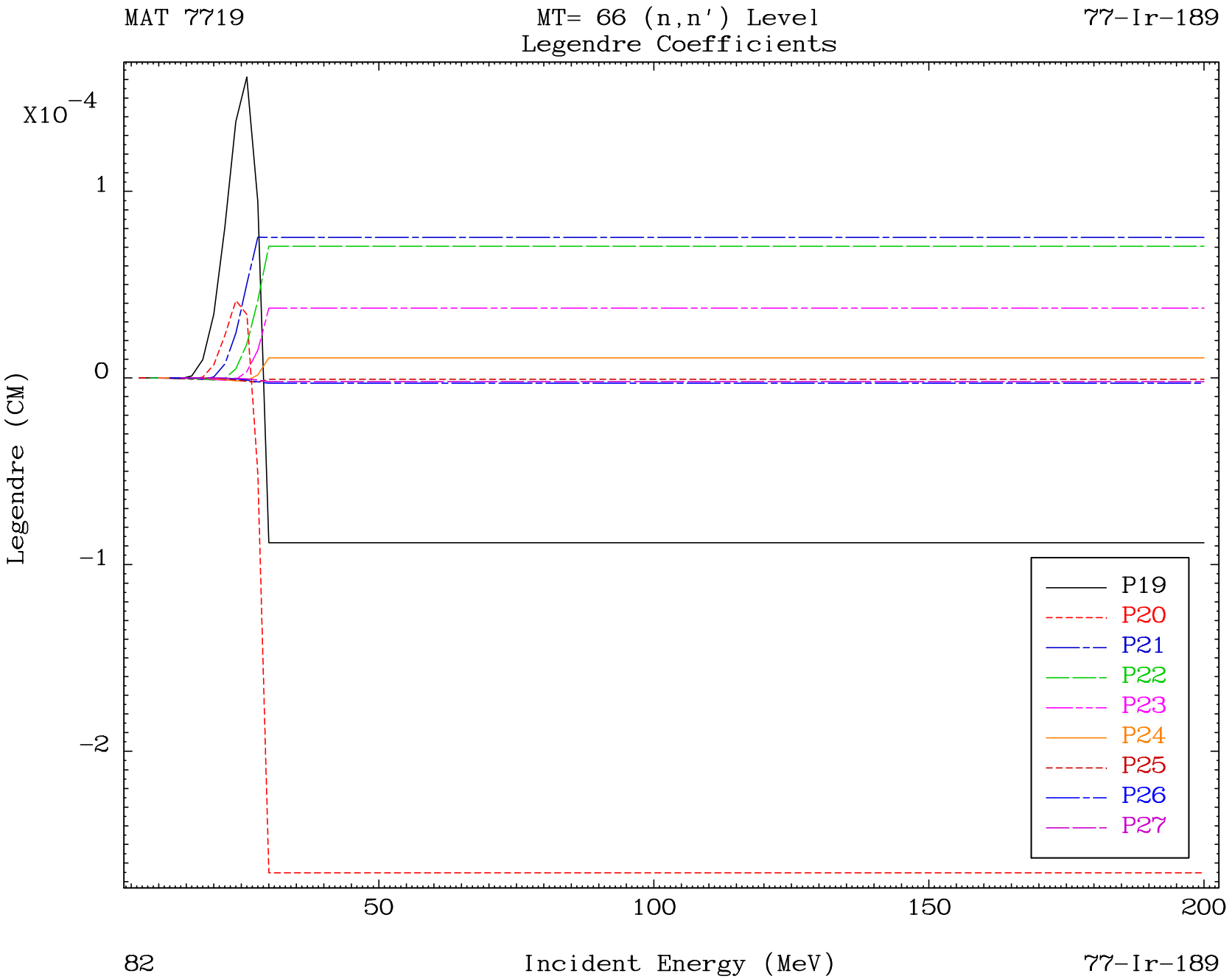

MAT 7719
MT= 65 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
77
Incident Energy (MeV)
77-Ir-189

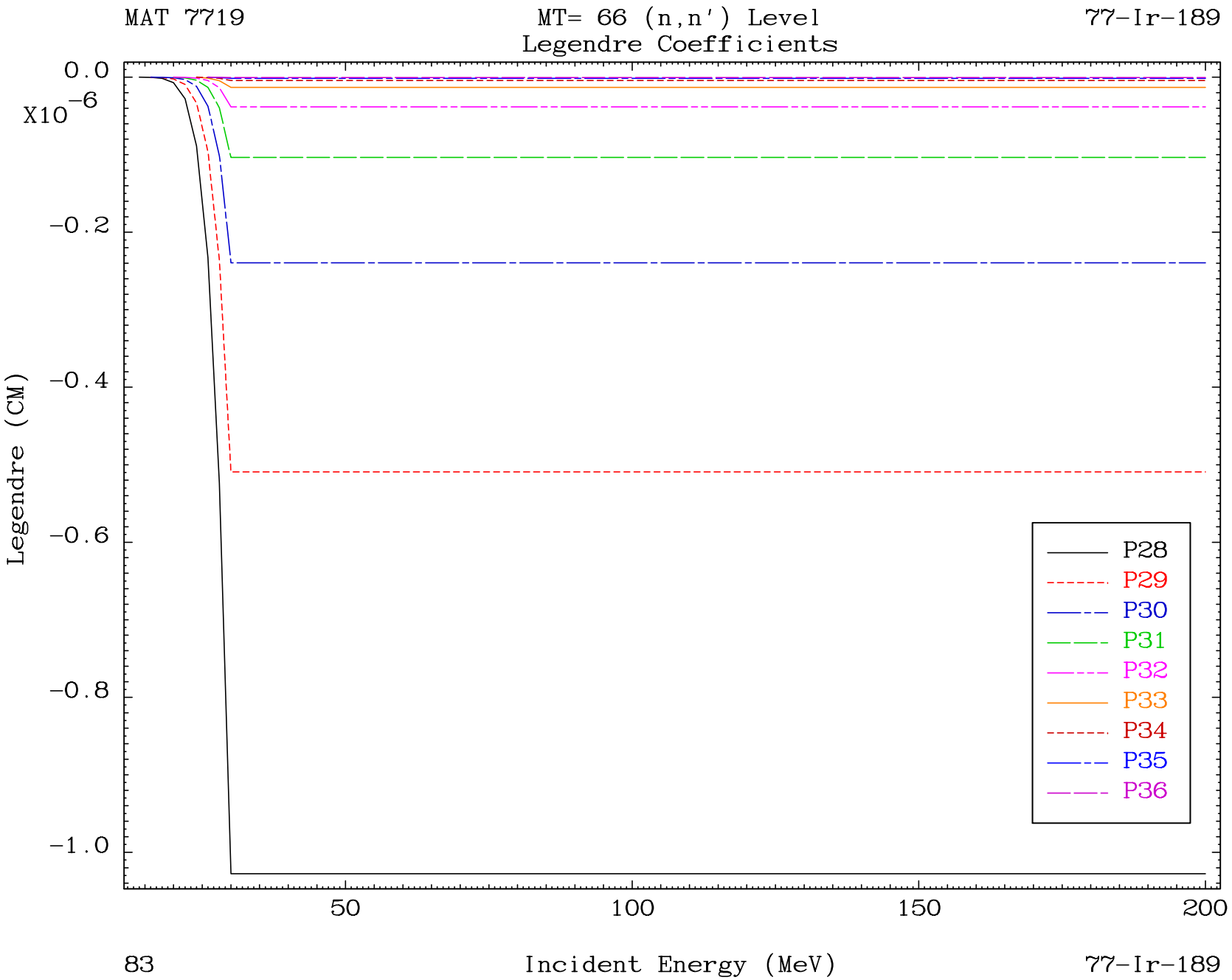

MAT 7719
MT= 65 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
77-Ir-189

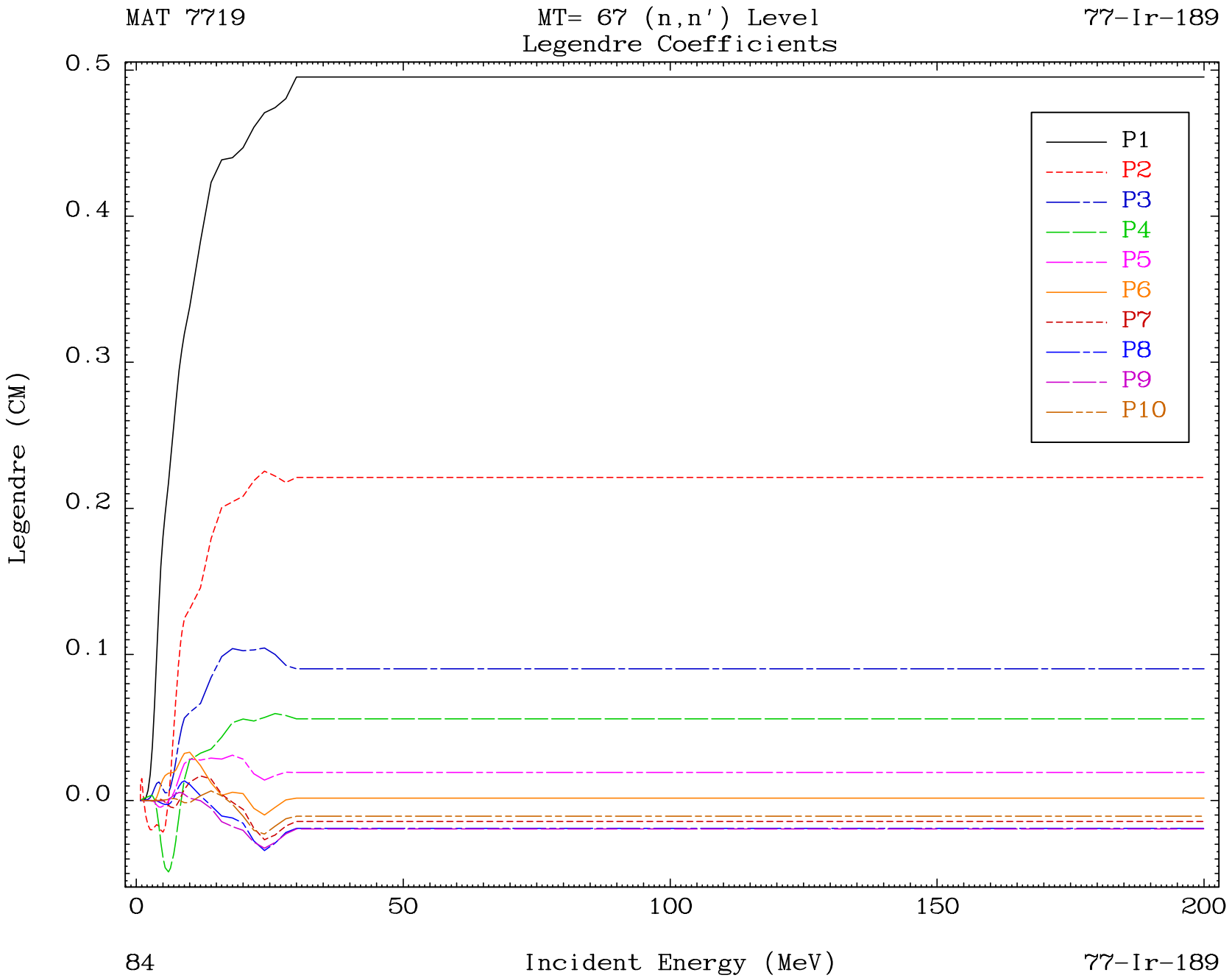

MAT 7719
MT= 65 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
79
Incident Energy (MeV)
77-Ir-189

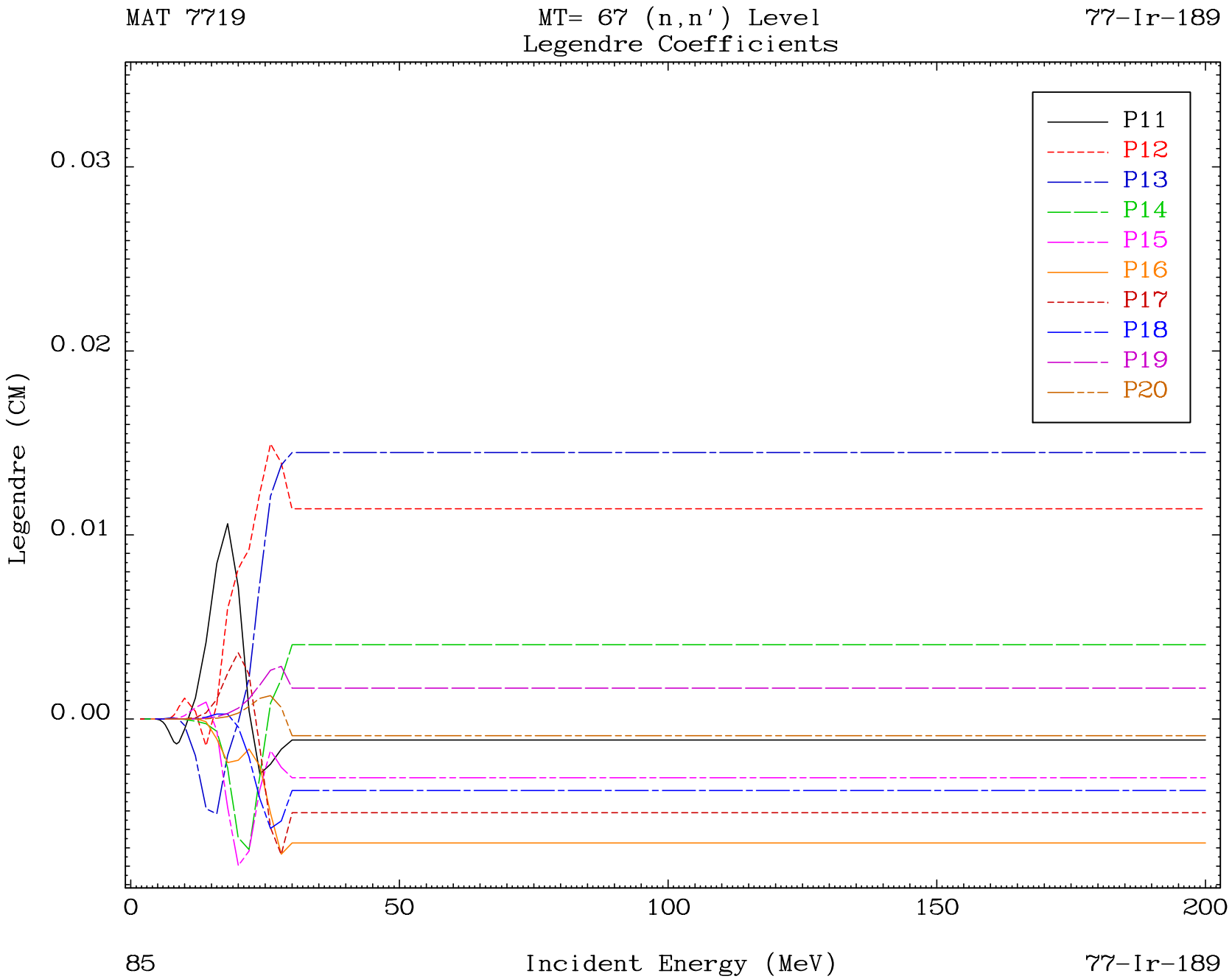

MAT 7719
MT= 66 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
80
Incident Energy (MeV)
77-Ir-189

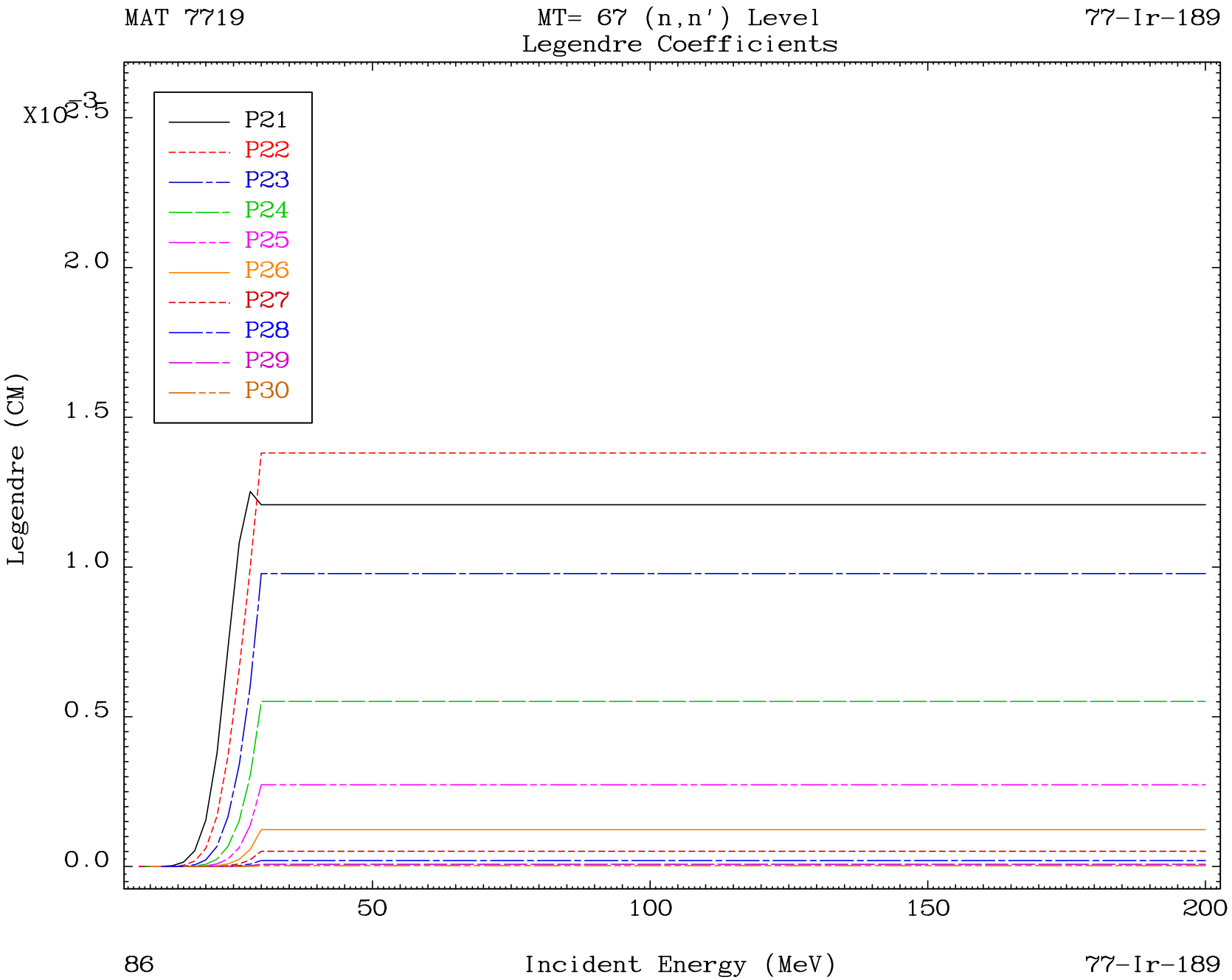

MAT 7719
MT= 66 (n,n') Level
Legendre Coefficients
77-Ir-189
0.000
-0.005
-0.010
-0.015
Legendre (CM)
0
50
100
150
200
81
Incident Energy (MeV)
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18

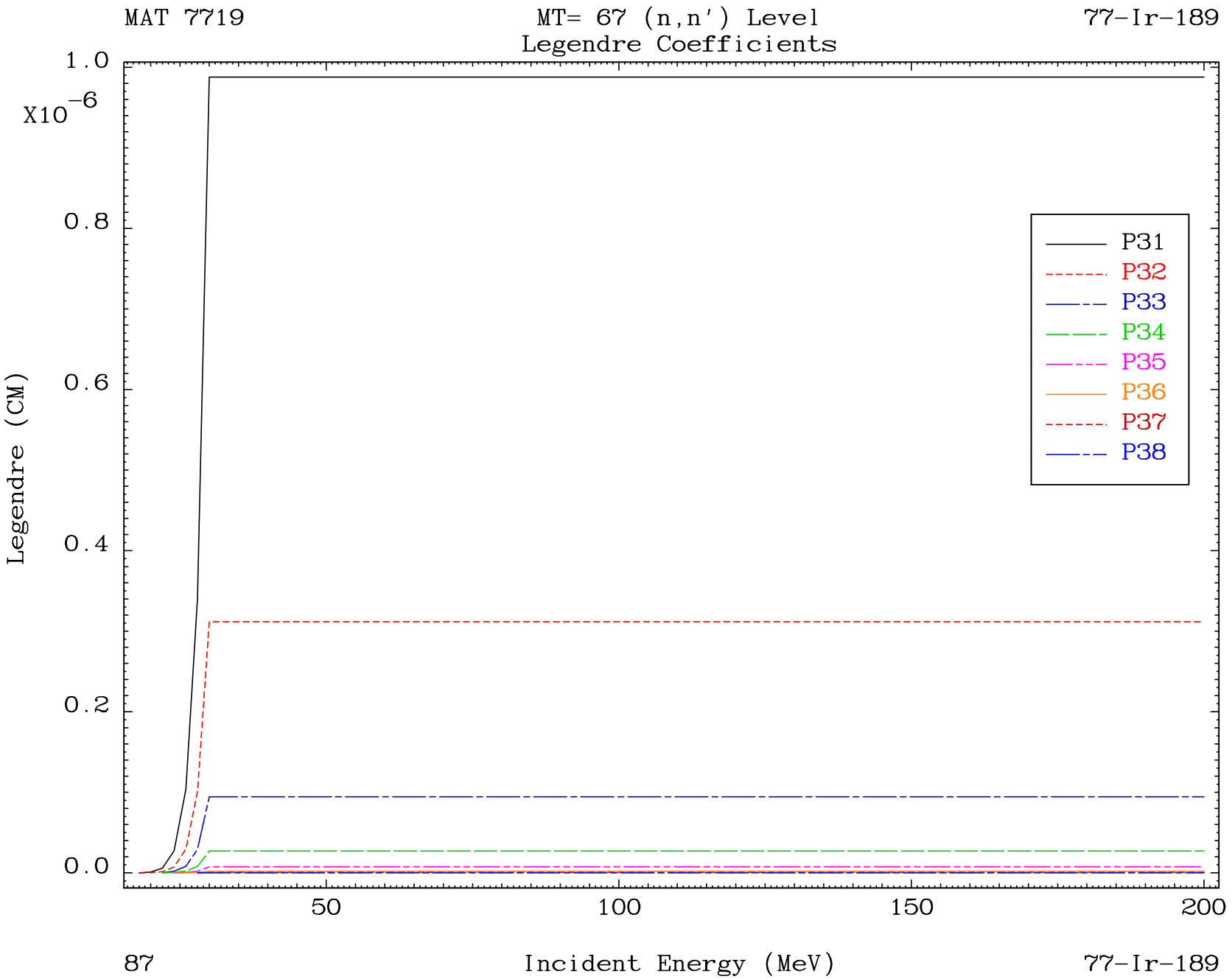

MAT 7719
MT= 66 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-4
1
0
-1
-2
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
77-Ir-189
P19
P20
P21
P22
P23
P24
P25
P26
P27

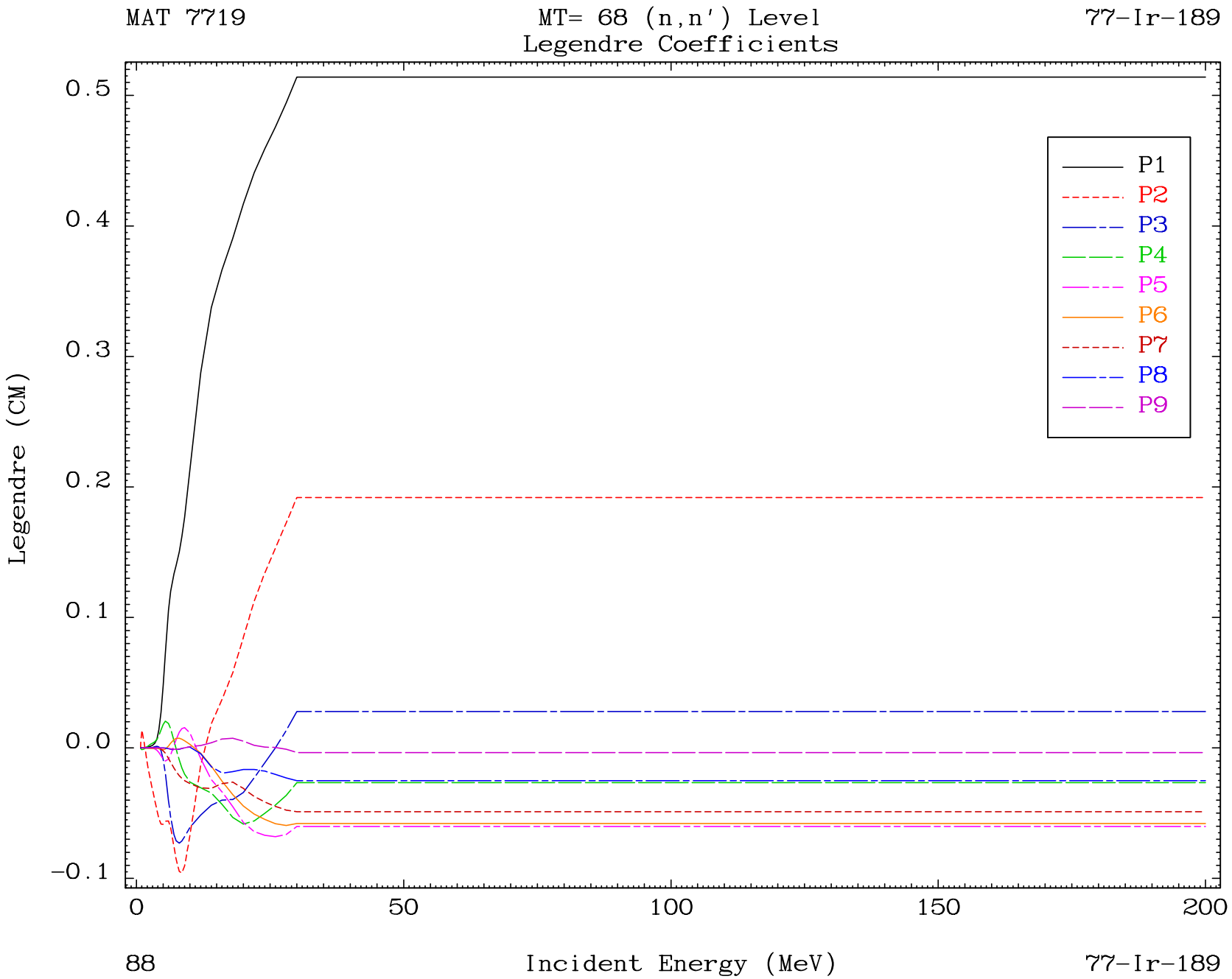

MAT 7719
MT= 66 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
P35
P36
83
Incident Energy (MeV)
77-Ir-189

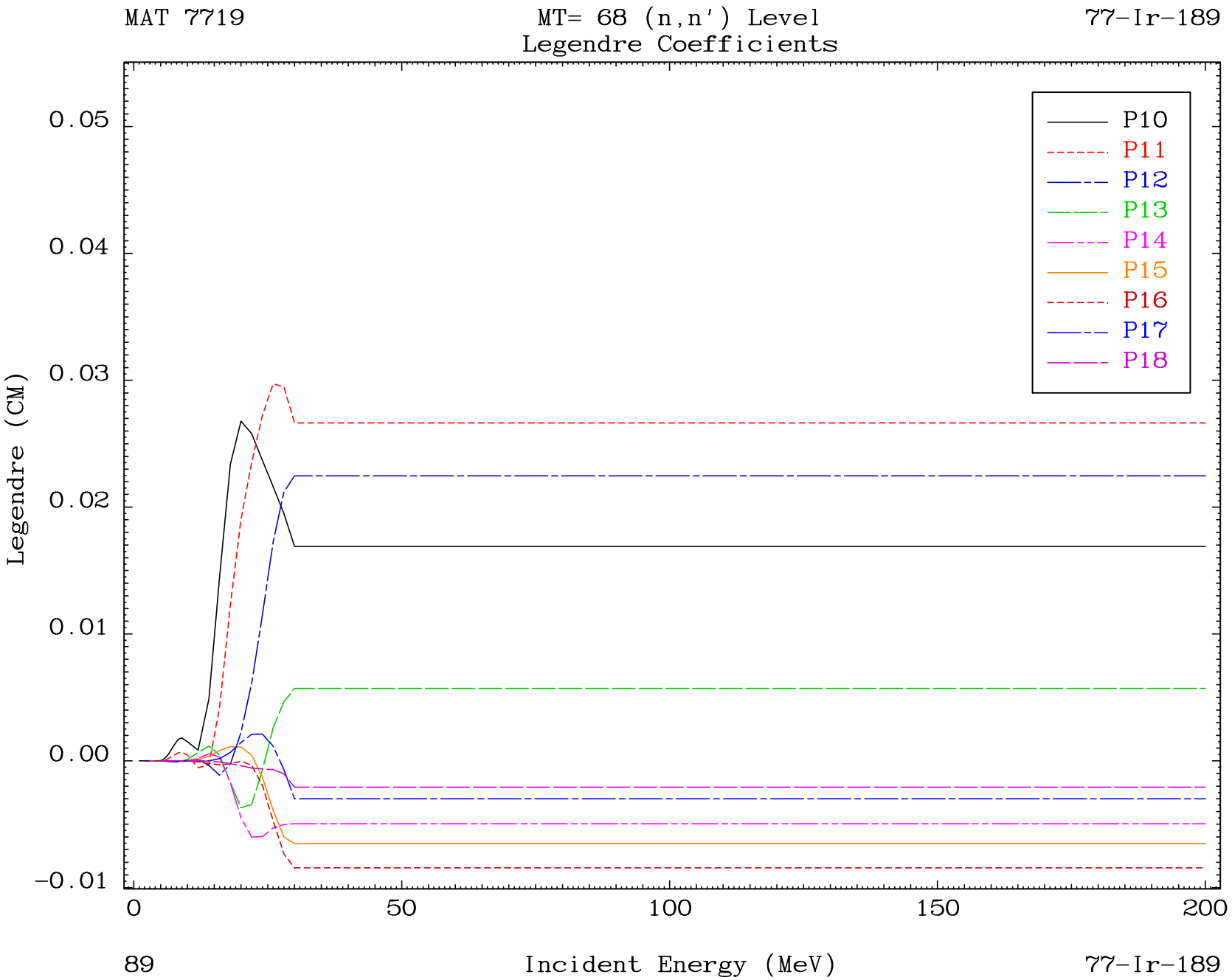

MAT 7719
MT= 67 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
84
Incident Energy (MeV)
77-Ir-189

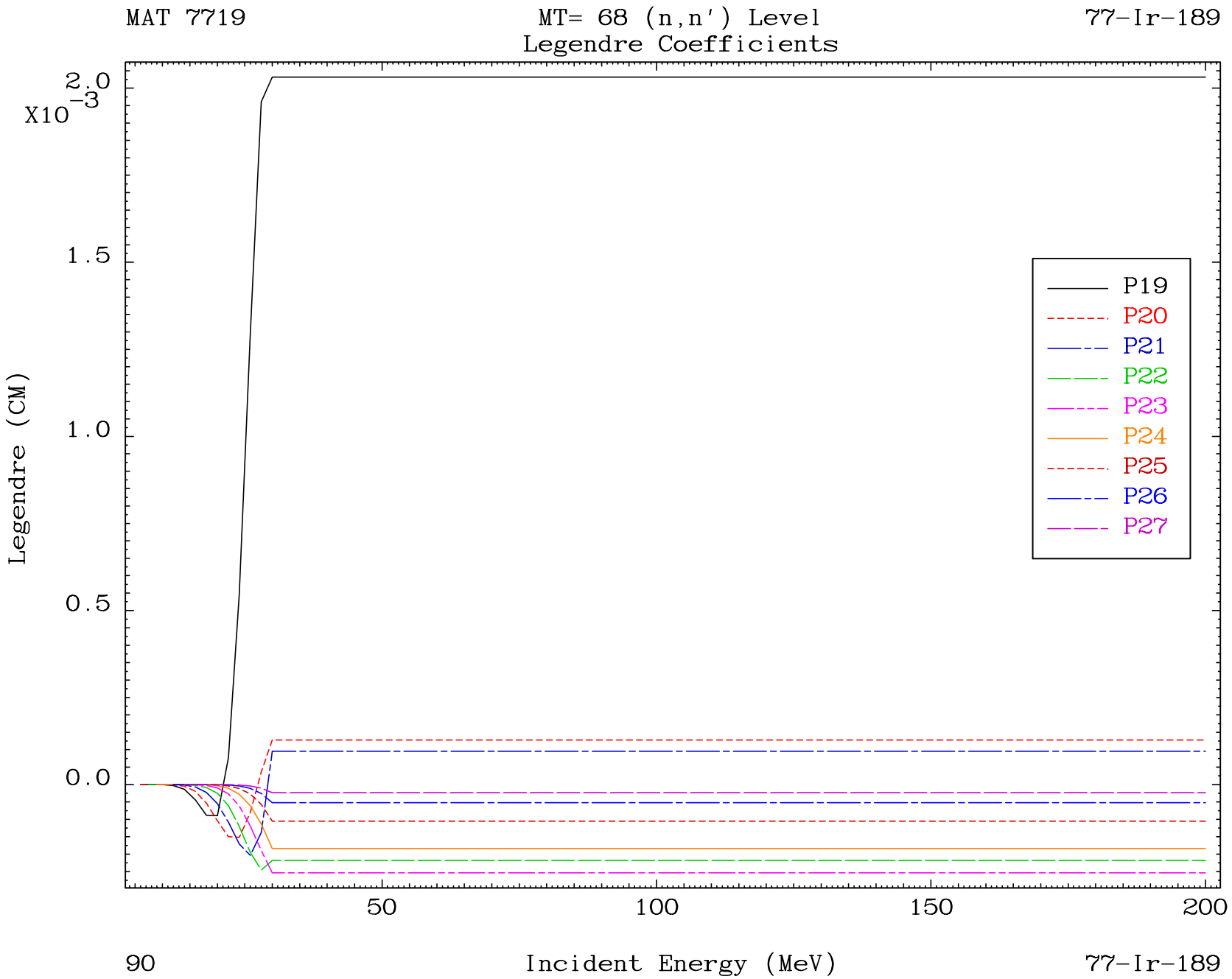

MAT 7719
MT= 67 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
77-Ir-189

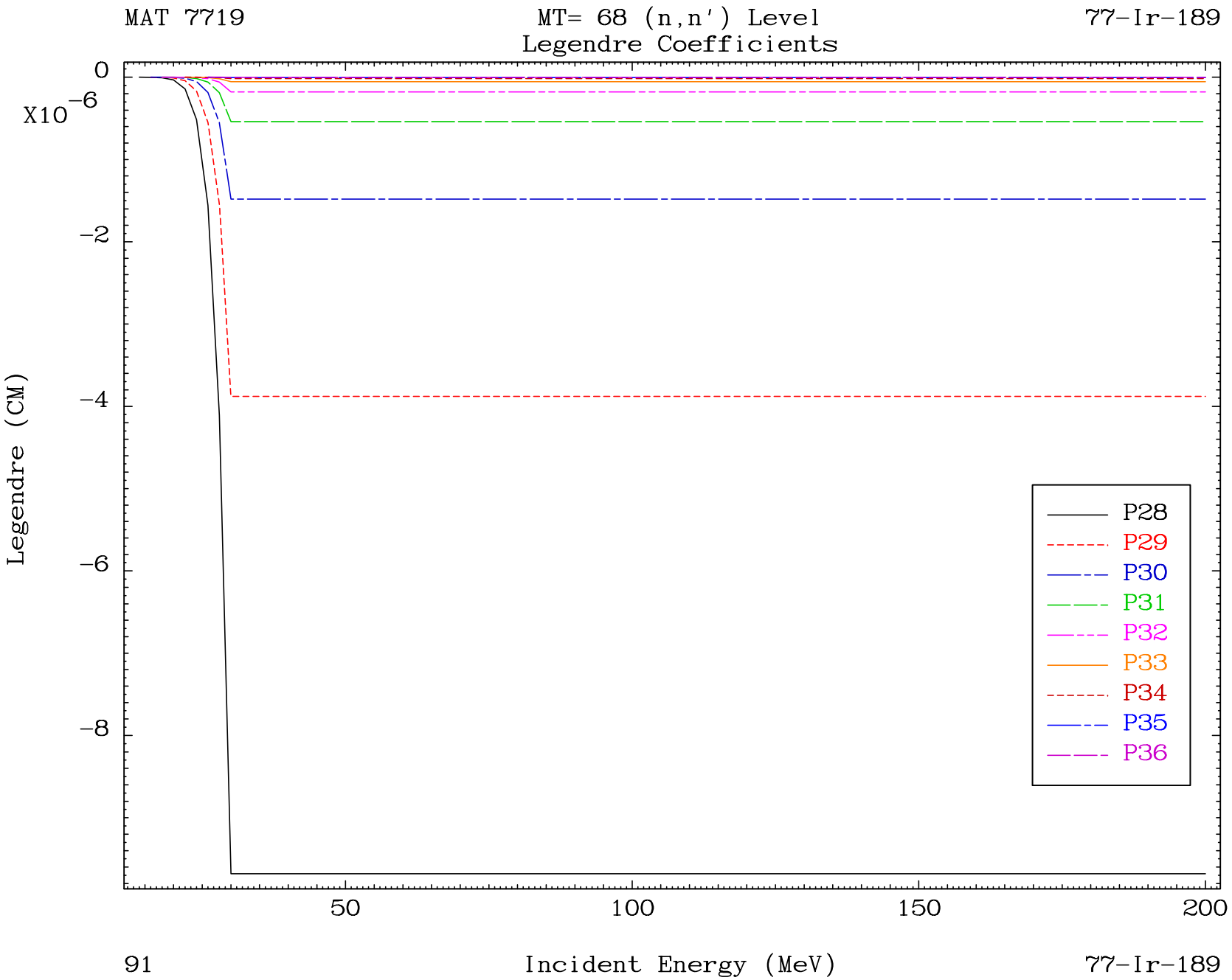

MAT 7719
MT= 67 (n,n') Level
Legendre Coefficients
77-Ir-189
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
86
Incident Energy (MeV)
77-Ir-189

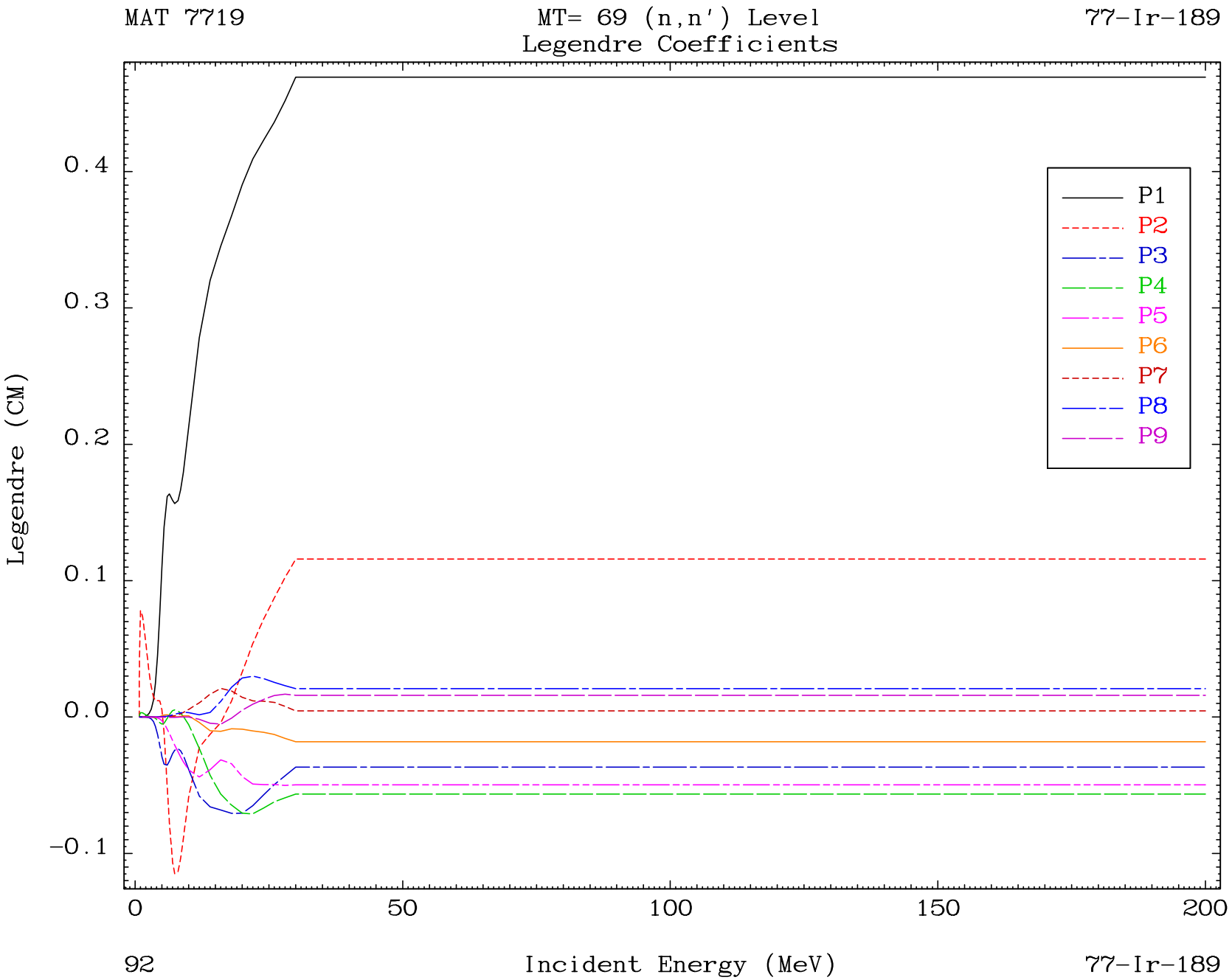

MAT 7719
MT= 67 (n,n') Level
Legendre Coefficients
77-Ir-189
1.0
X10−6
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

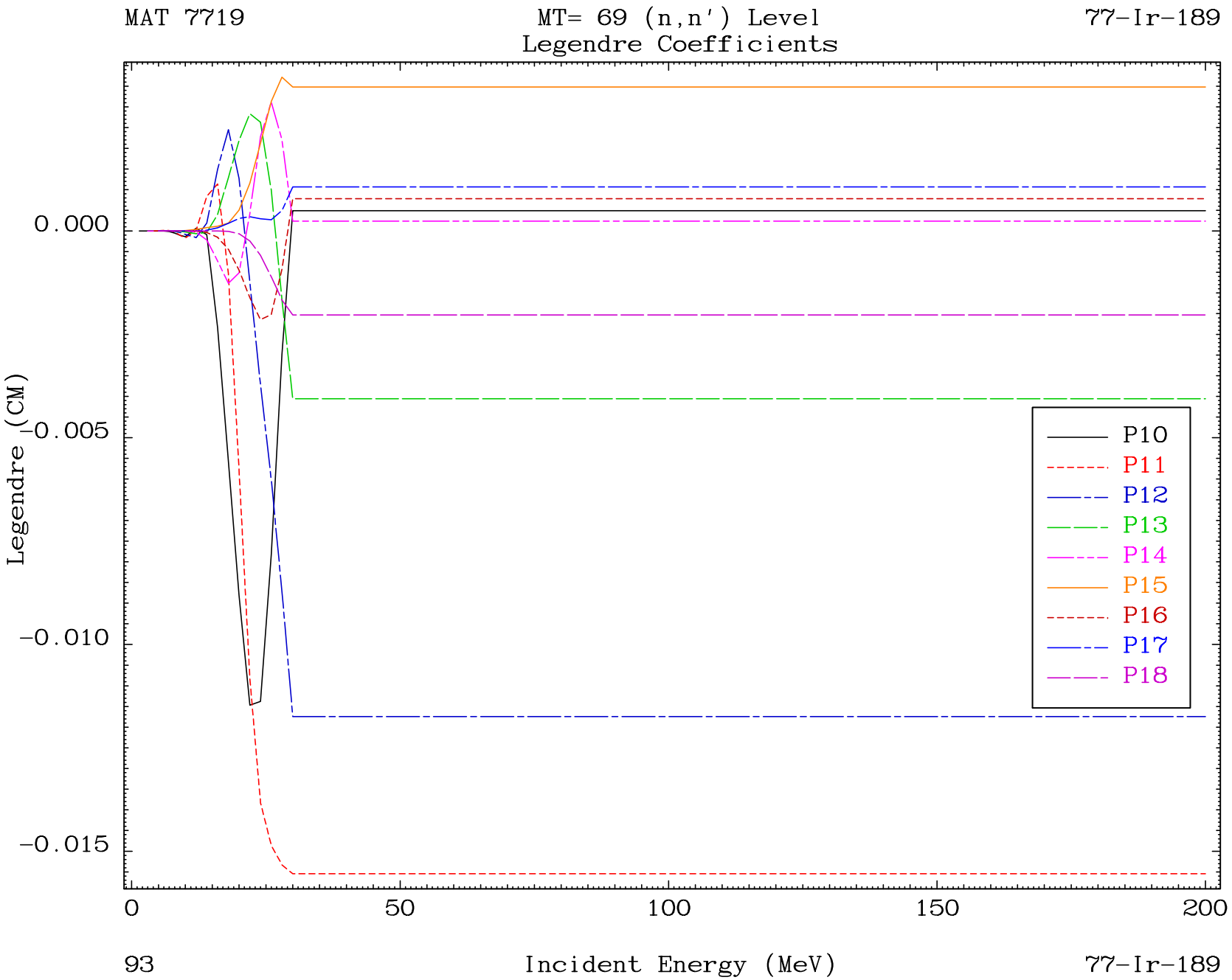

MAT 7719
MT= 68 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
88
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9

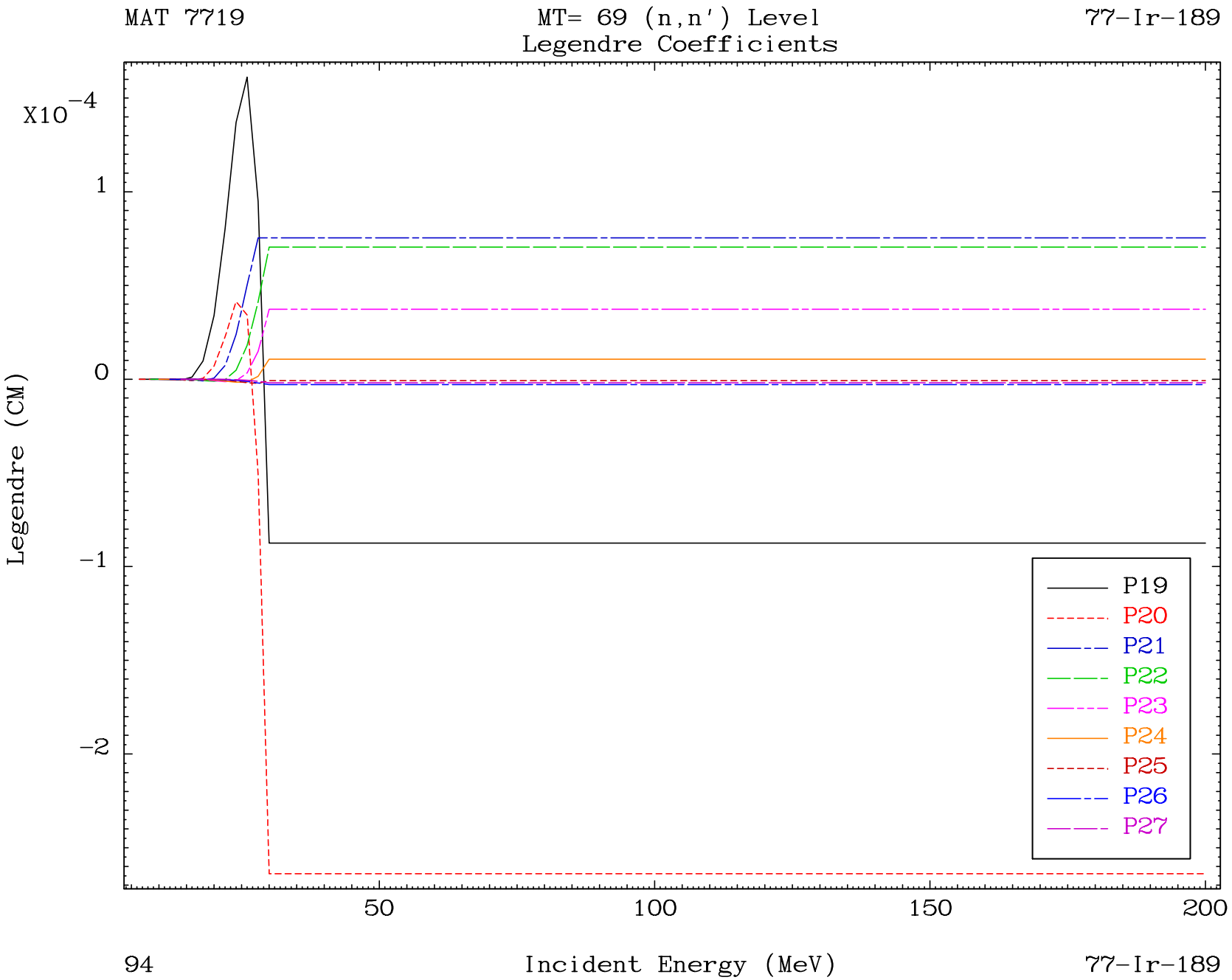

MAT 7719
MT= 68 (n,n') Level
Legendre Coefficients
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
89
Incident Energy (MeV)
77-Ir-189

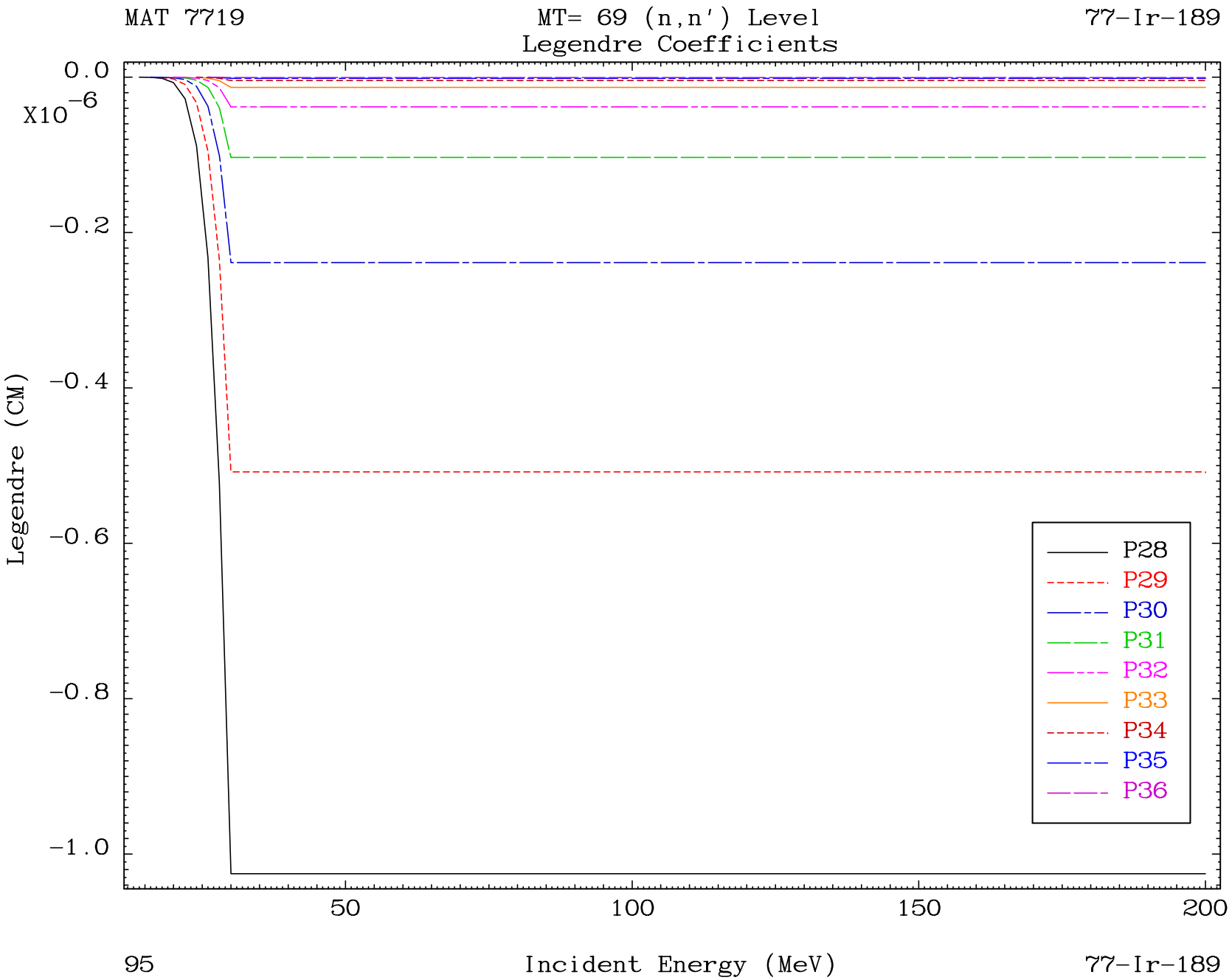

MAT 7719
MT= 68 (n,n') Level
Legendre Coefficients
77-Ir-189
X10 -3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
90
Incident Energy (MeV)
77-Ir-189

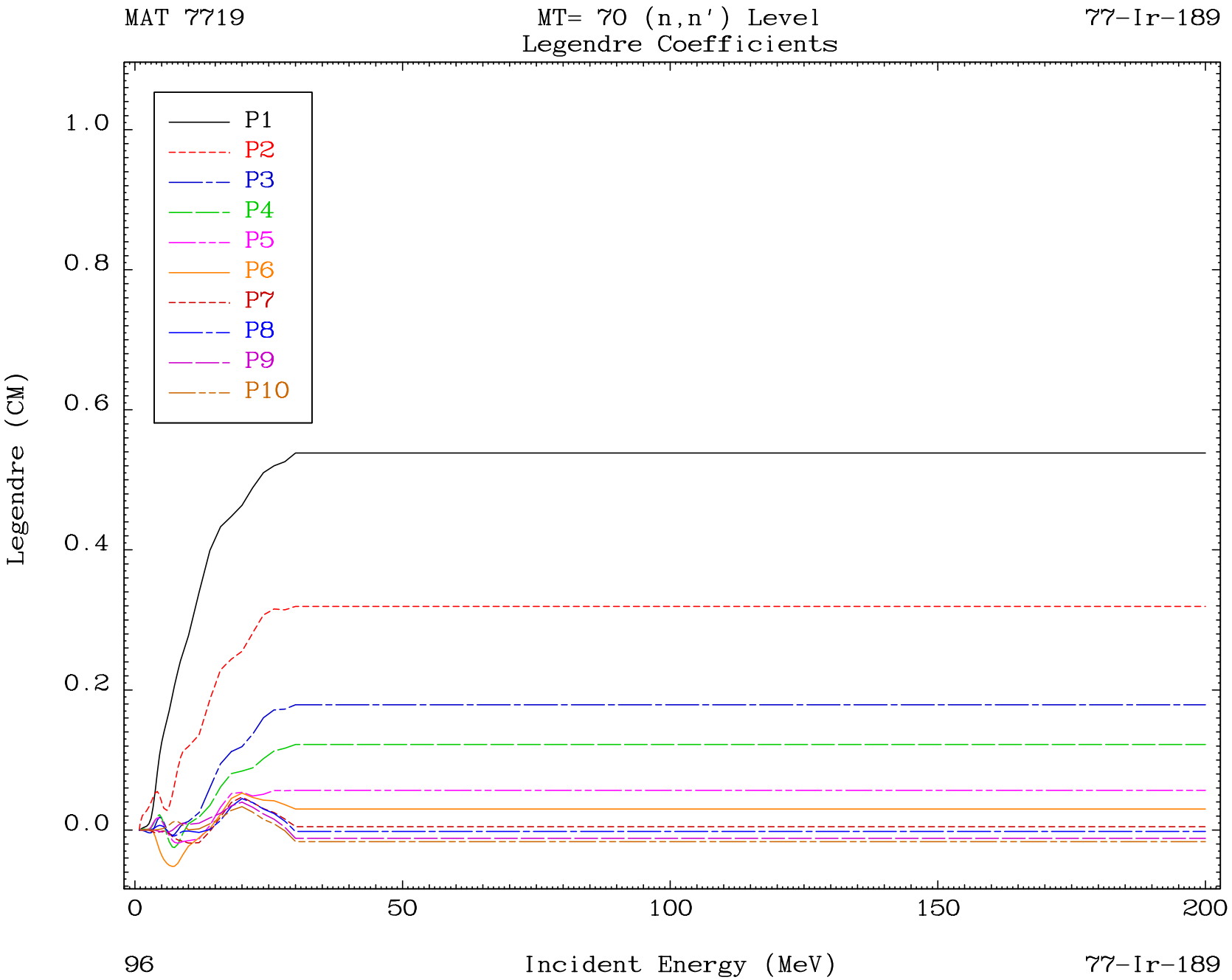

MAT 7719
MT= 68 (n,n') Level
Legendre Coefficients
77-Ir-189
0
X10^-6
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
91
Incident Energy (MeV)
77-Ir-189
P28
P29
P30
P31
P32
P33
P34
P35
P36

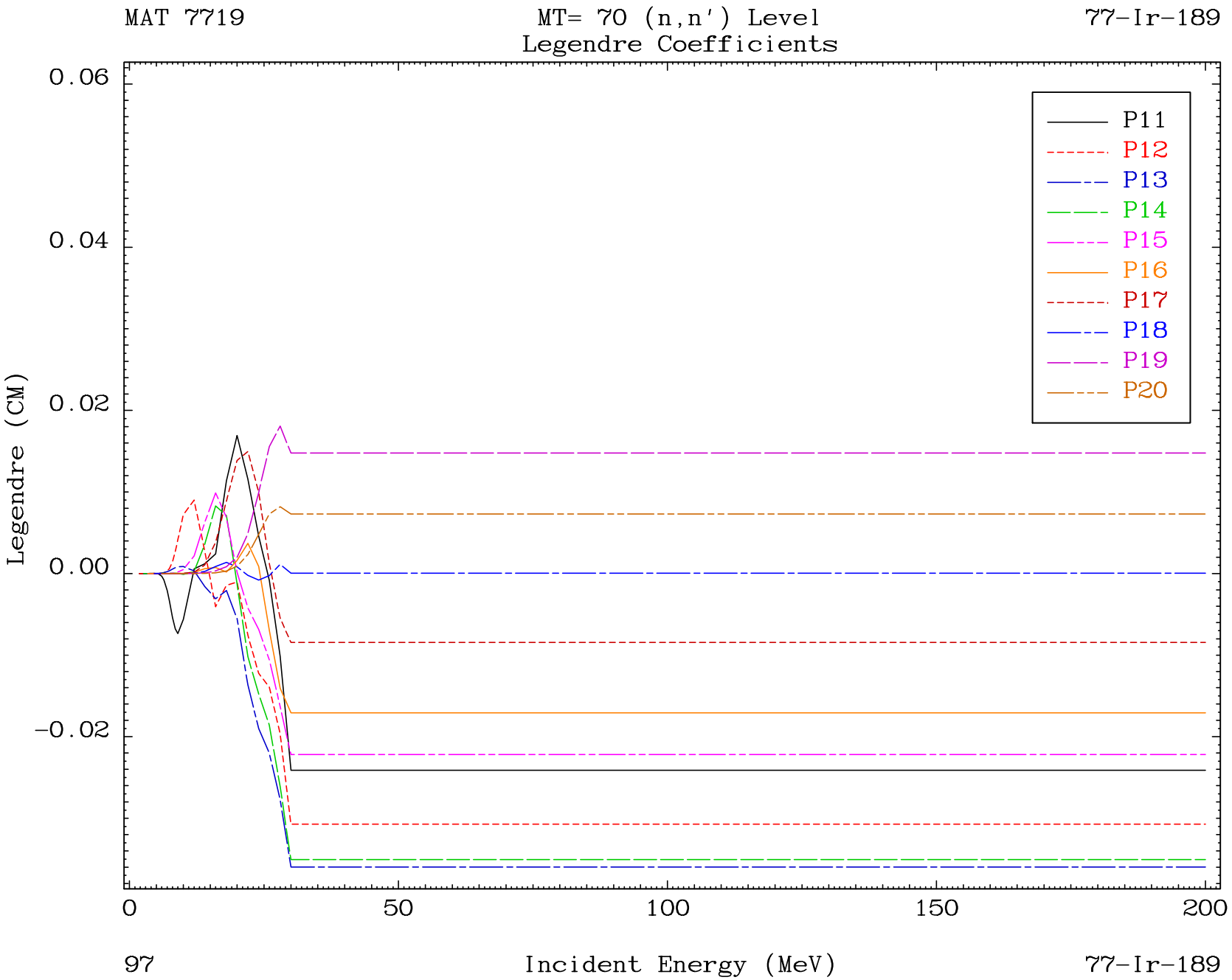

MAT 7719
MT= 69 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
92
Incident Energy (MeV)
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9

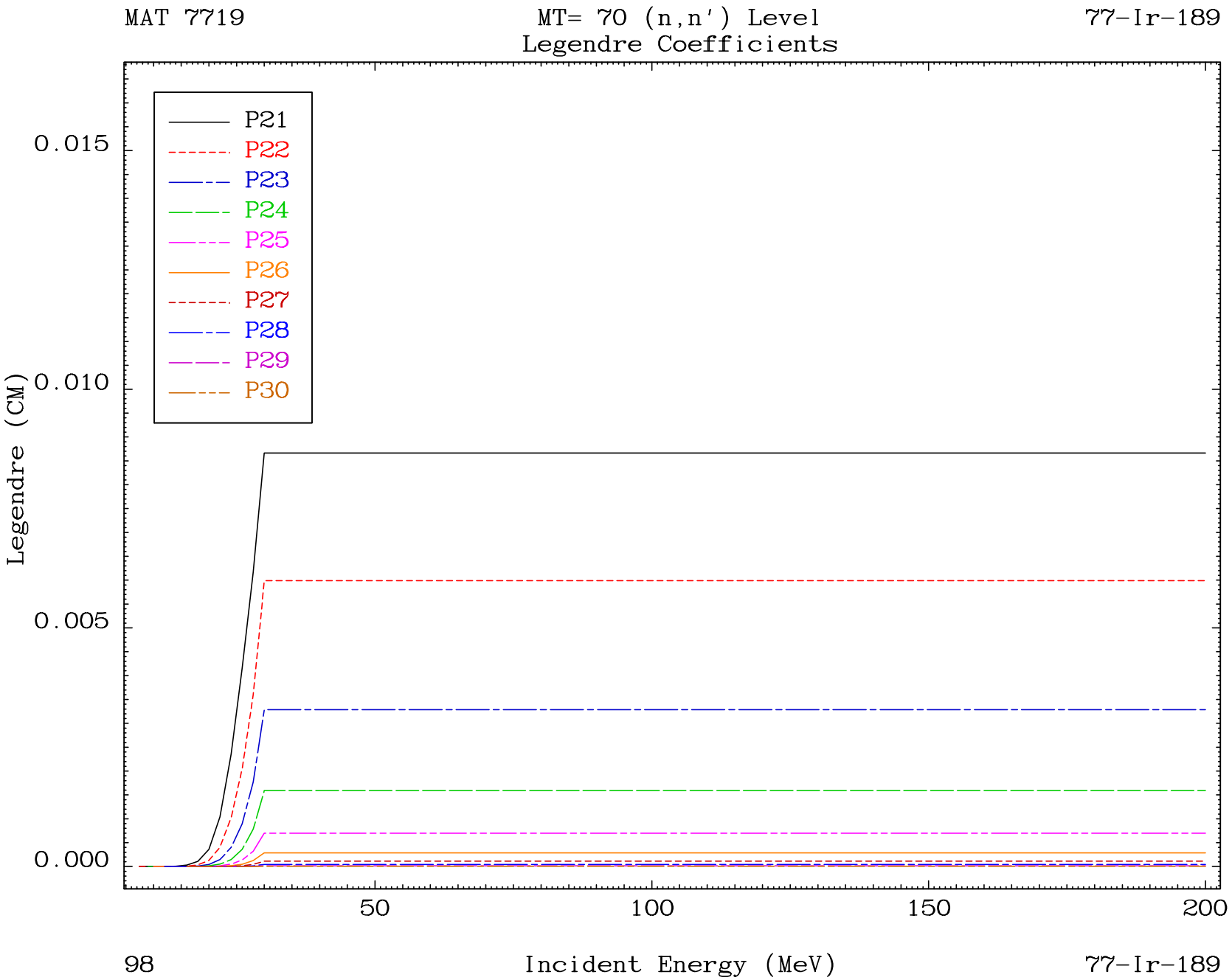

MAT 7719
MT= 69 (n,n') Level
Legendre Coefficients
77-Ir-189
0.000
-0.005
-0.010
-0.015
Legendre (CM)
0
50
100
150
200
93
Incident Energy (MeV)
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18

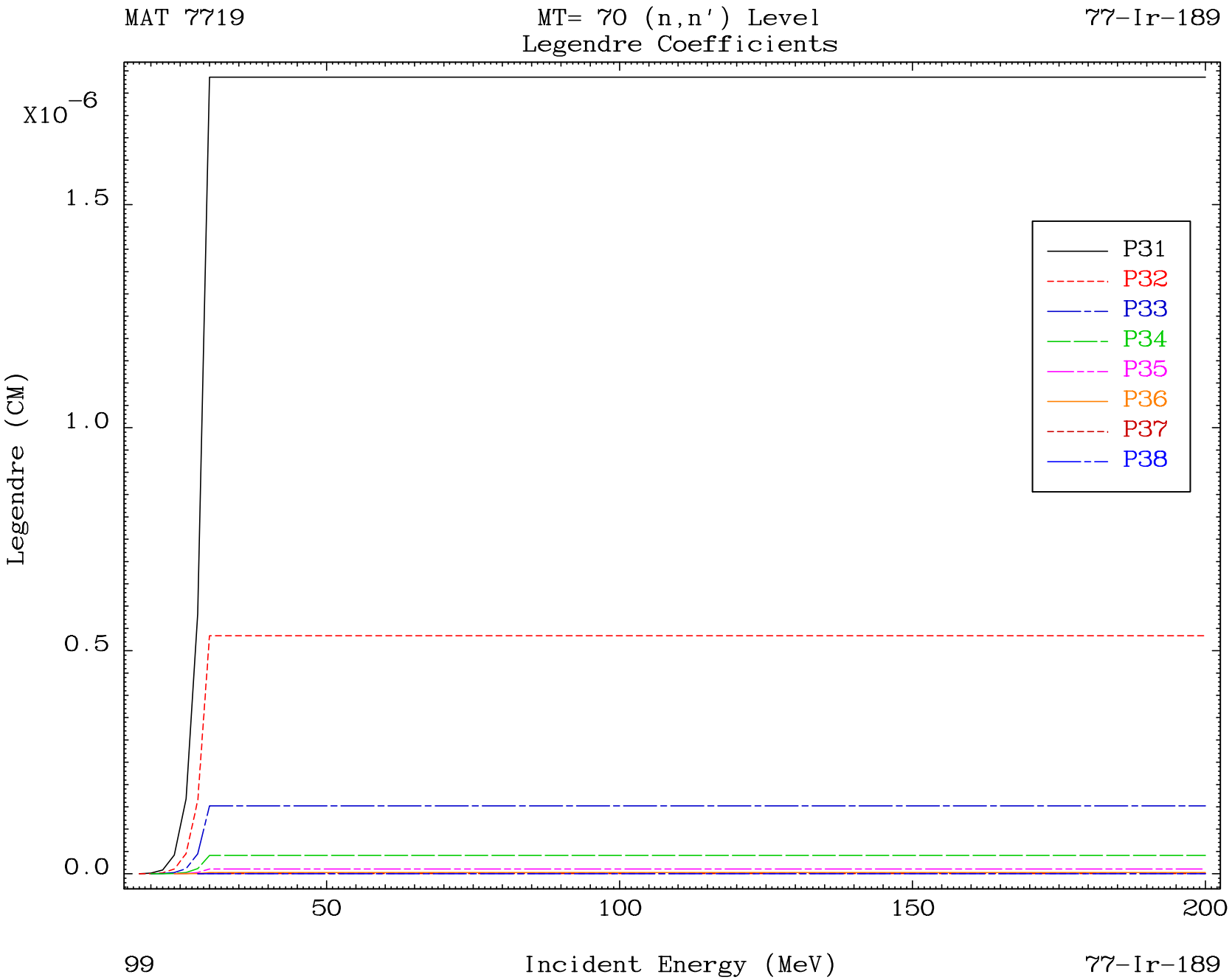

MAT 7719
MT= 69 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-4
1
0
-1
-2
Legendre (CM)
50
100
150
200
94
Incident Energy (MeV)
77-Ir-189
P19
P20
P21
P22
P23
P24
P25
P26
P27

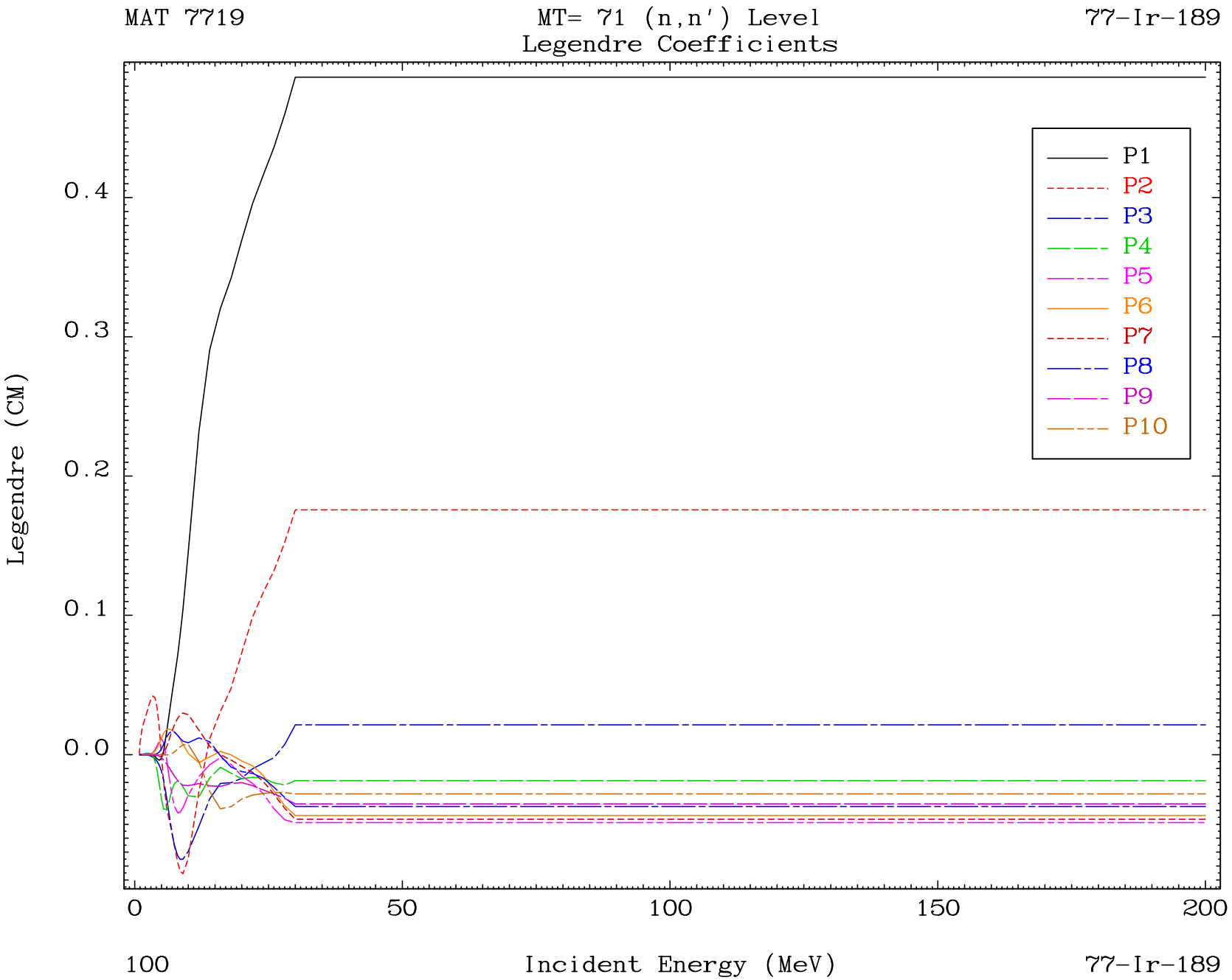

MAT 7719
MT= 69 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
77-Ir-189
P28
P29
P30
P31
P32
P33
P34
P35
P36

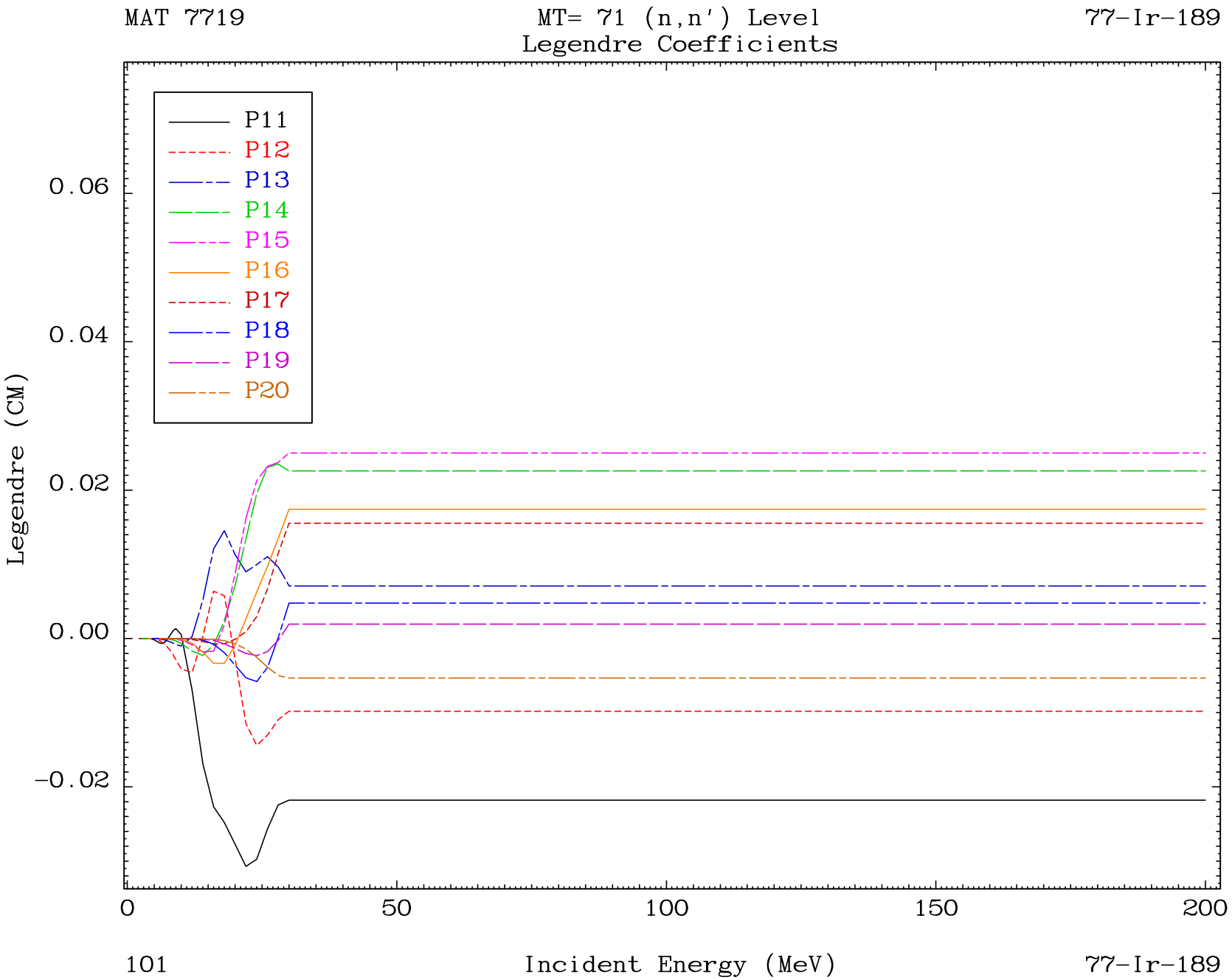

MAT 7719
MT= 70 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
0
50
100
150
200
96
Incident Energy (MeV)
77-Ir-189

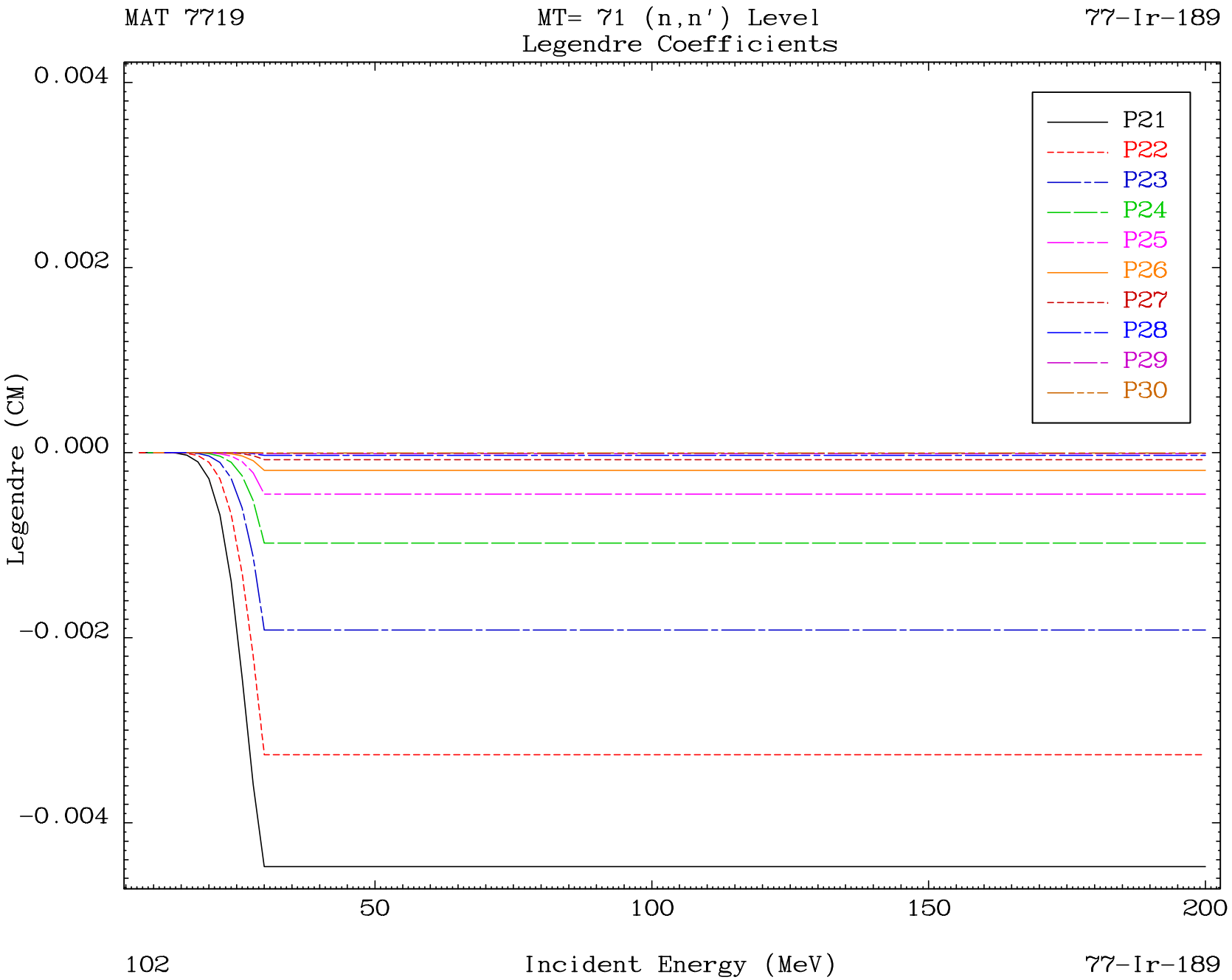

MAT 7719
MT= 70 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
97
Incident Energy (MeV)
77-Ir-189

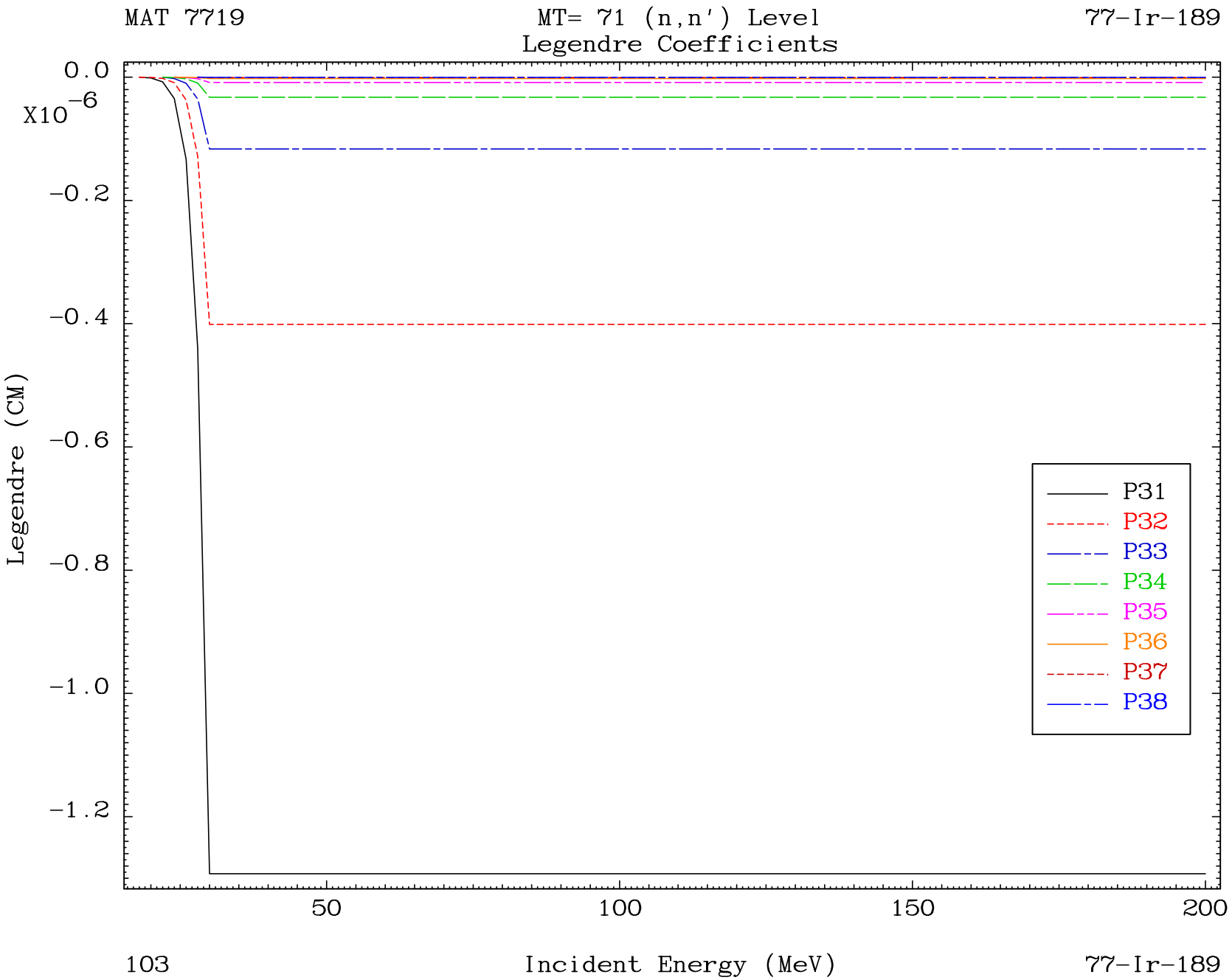

MAT 7719
MT= 70 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
77-Ir-189

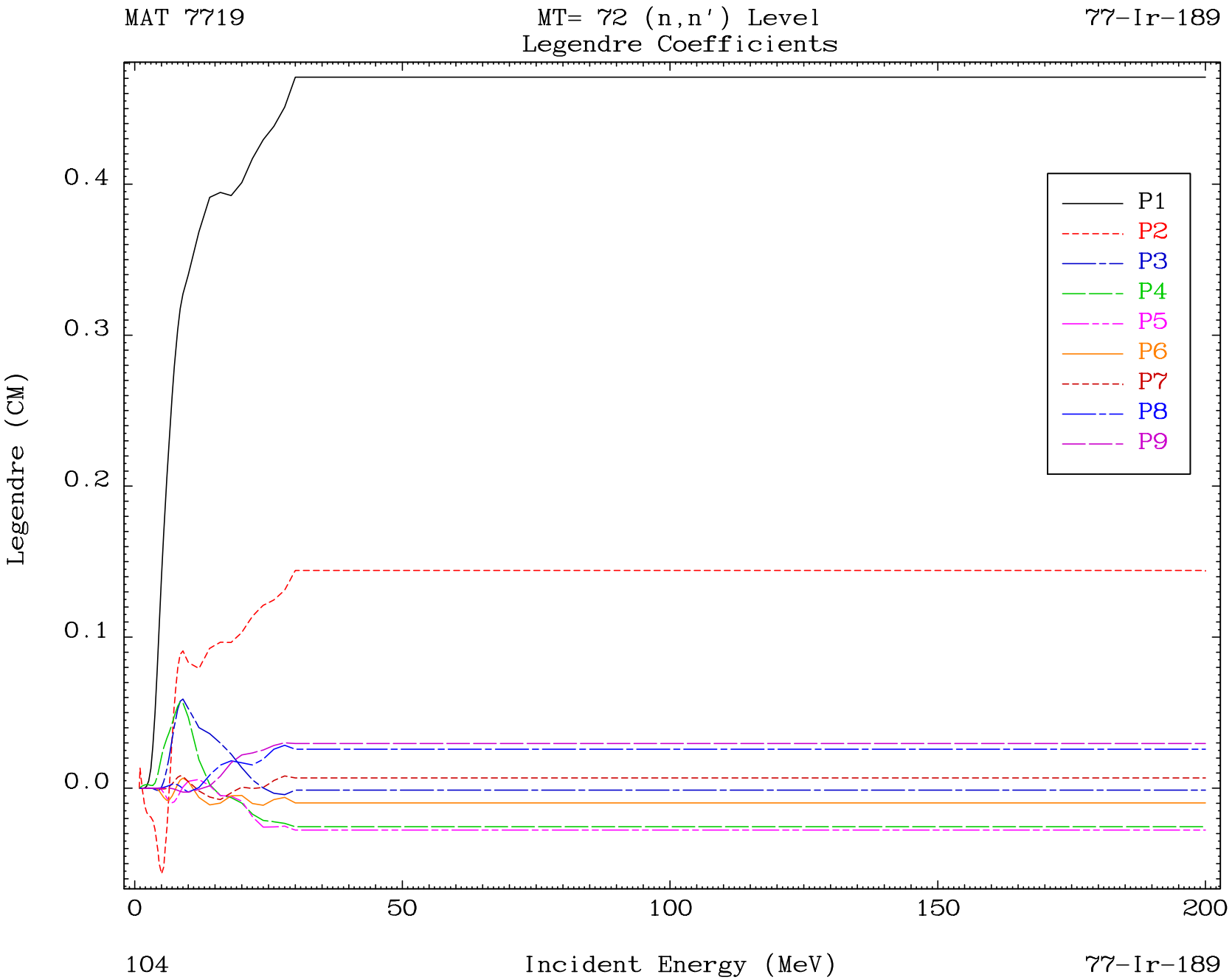

MAT 7719
MT= 70 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
99
Incident Energy (MeV)
77-Ir-189

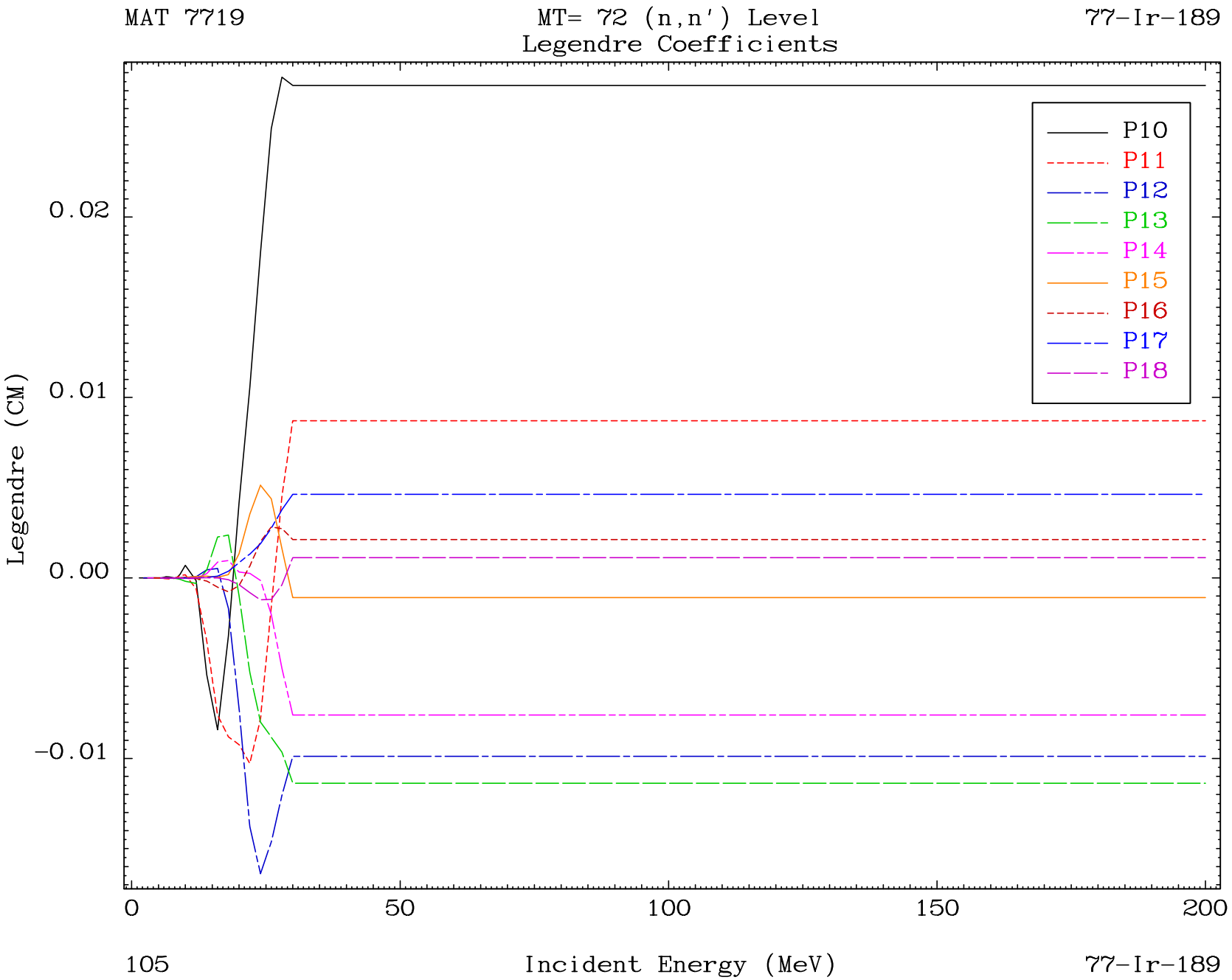

MAT 7719
MT= 71 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
100
Incident Energy (MeV)
77-Ir-189

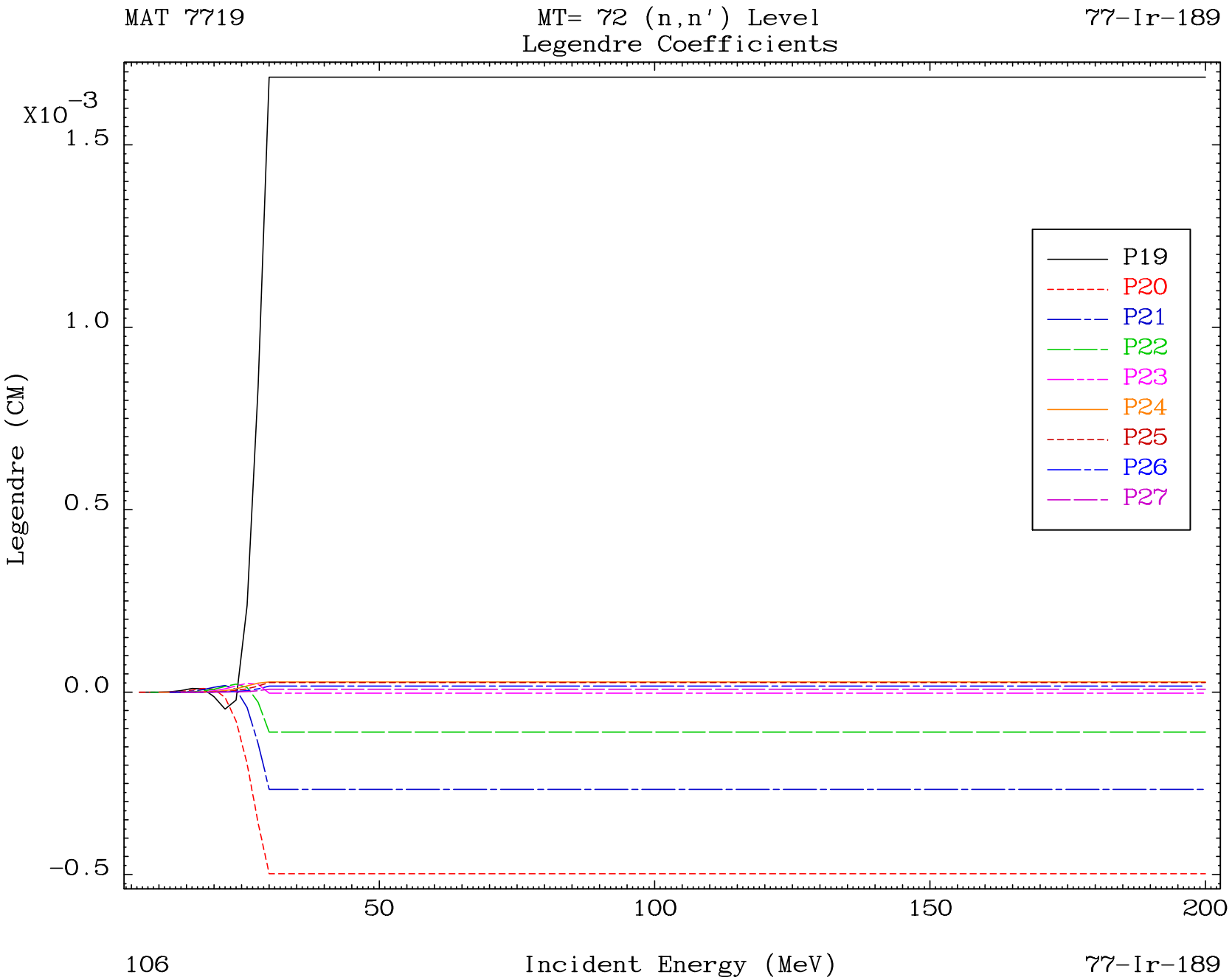

MAT 7719
MT= 71 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
101
Incident Energy (MeV)
77-Ir-189

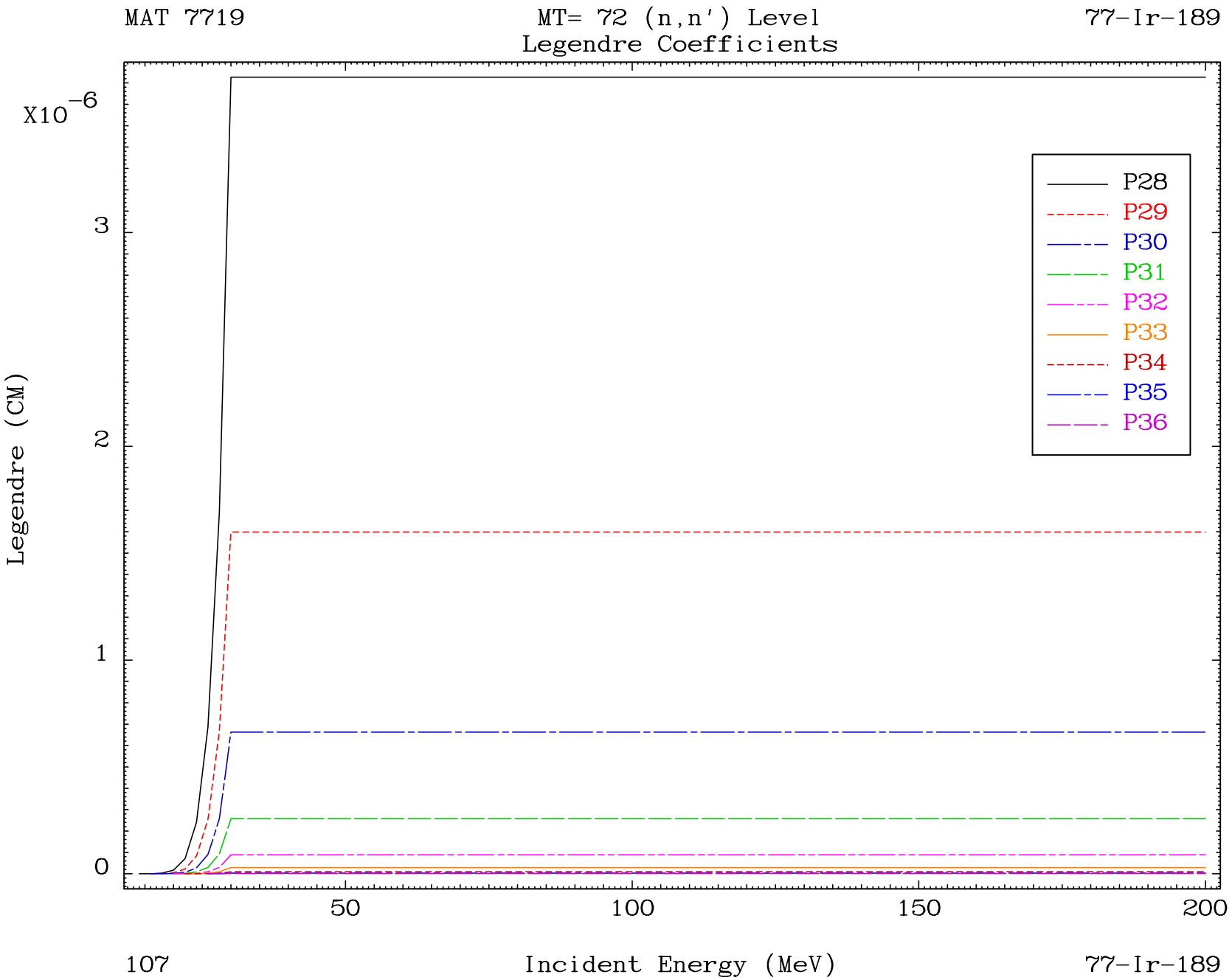

MAT 7719
MT= 71 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
102
Incident Energy (MeV)
77-Ir-189

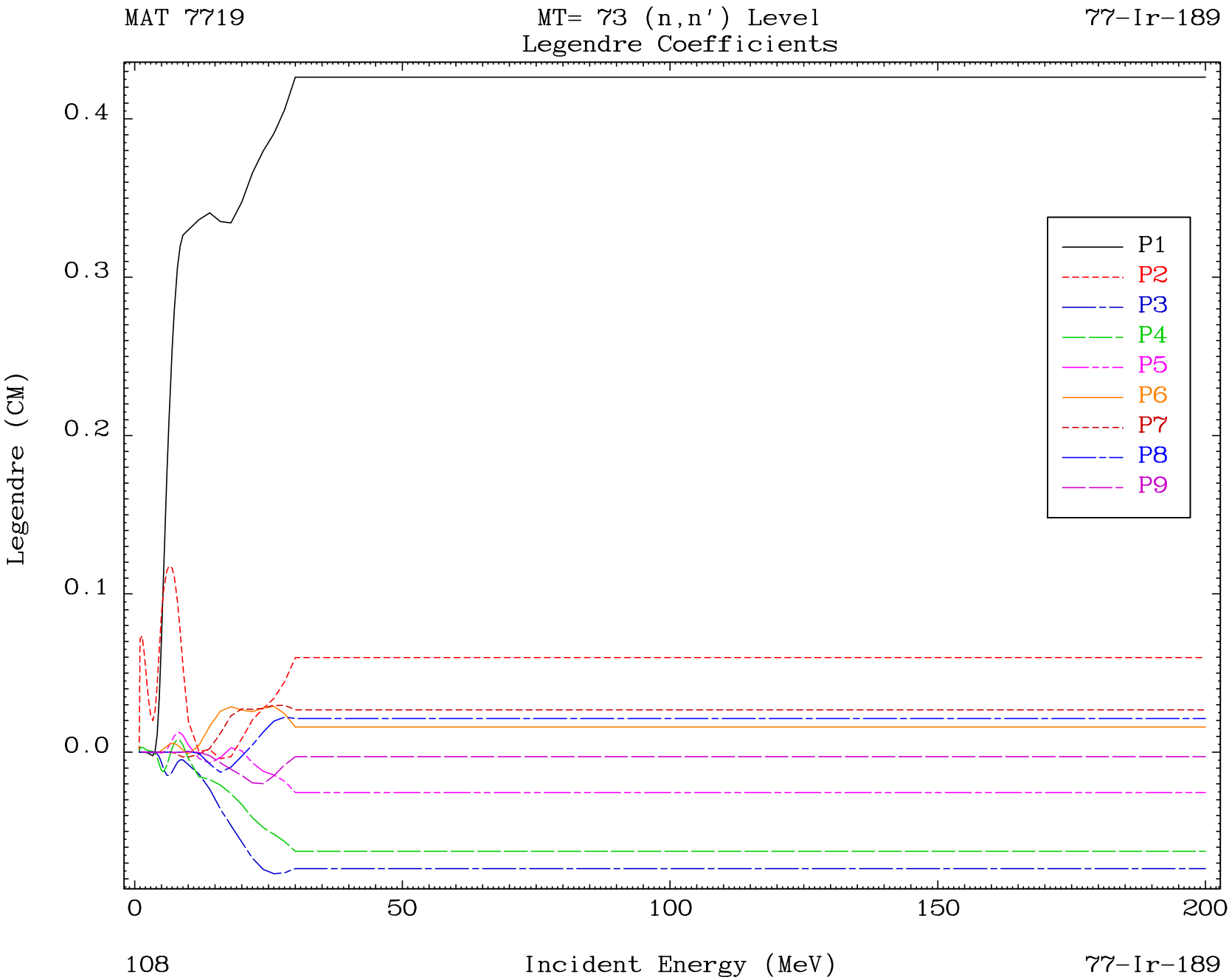

MAT 7719
MT= 71 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10−6
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
Legendre (CM)
50
100
150
200
103
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

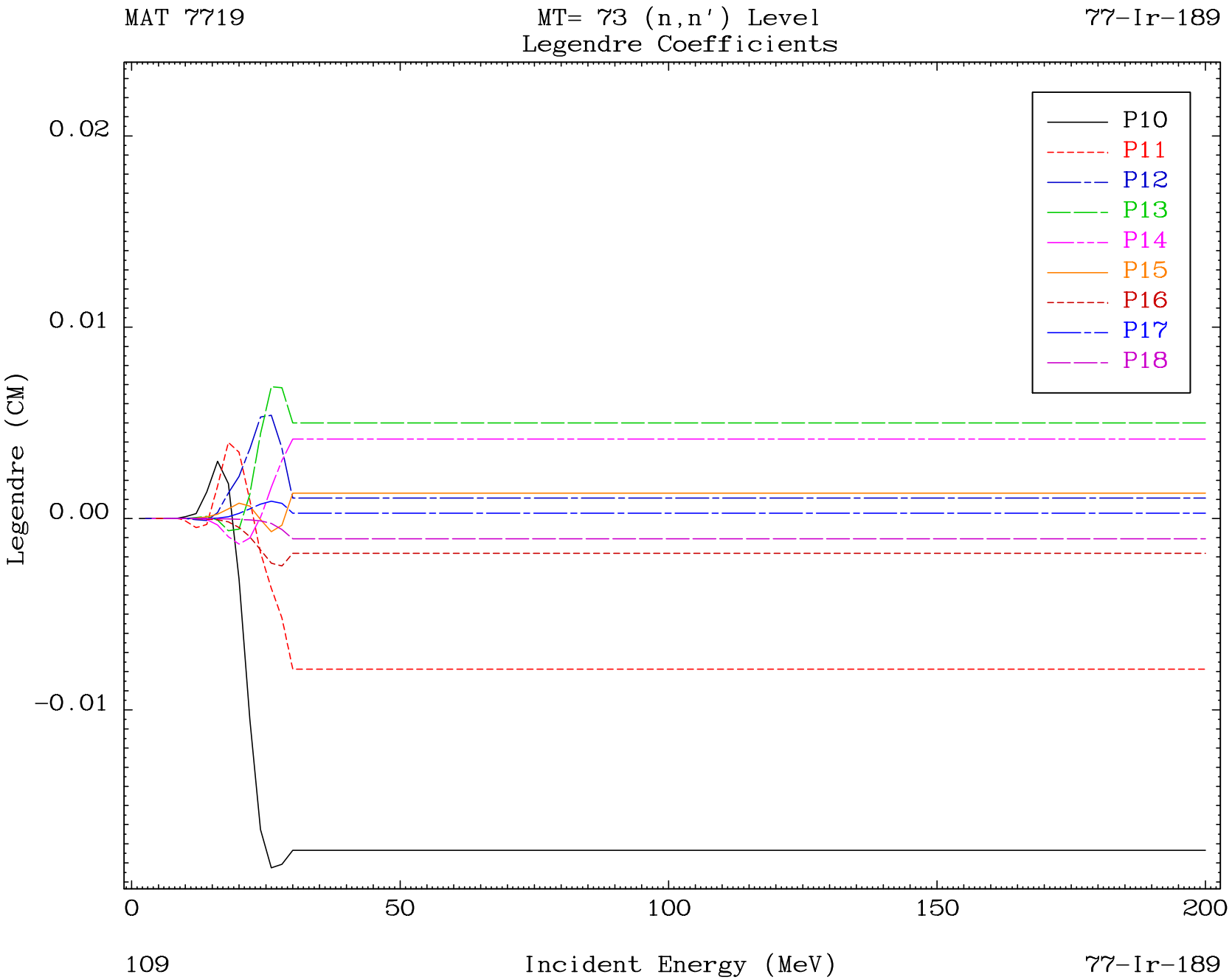

MAT 7719
MT= 72 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
104
Incident Energy (MeV)
77-Ir-189

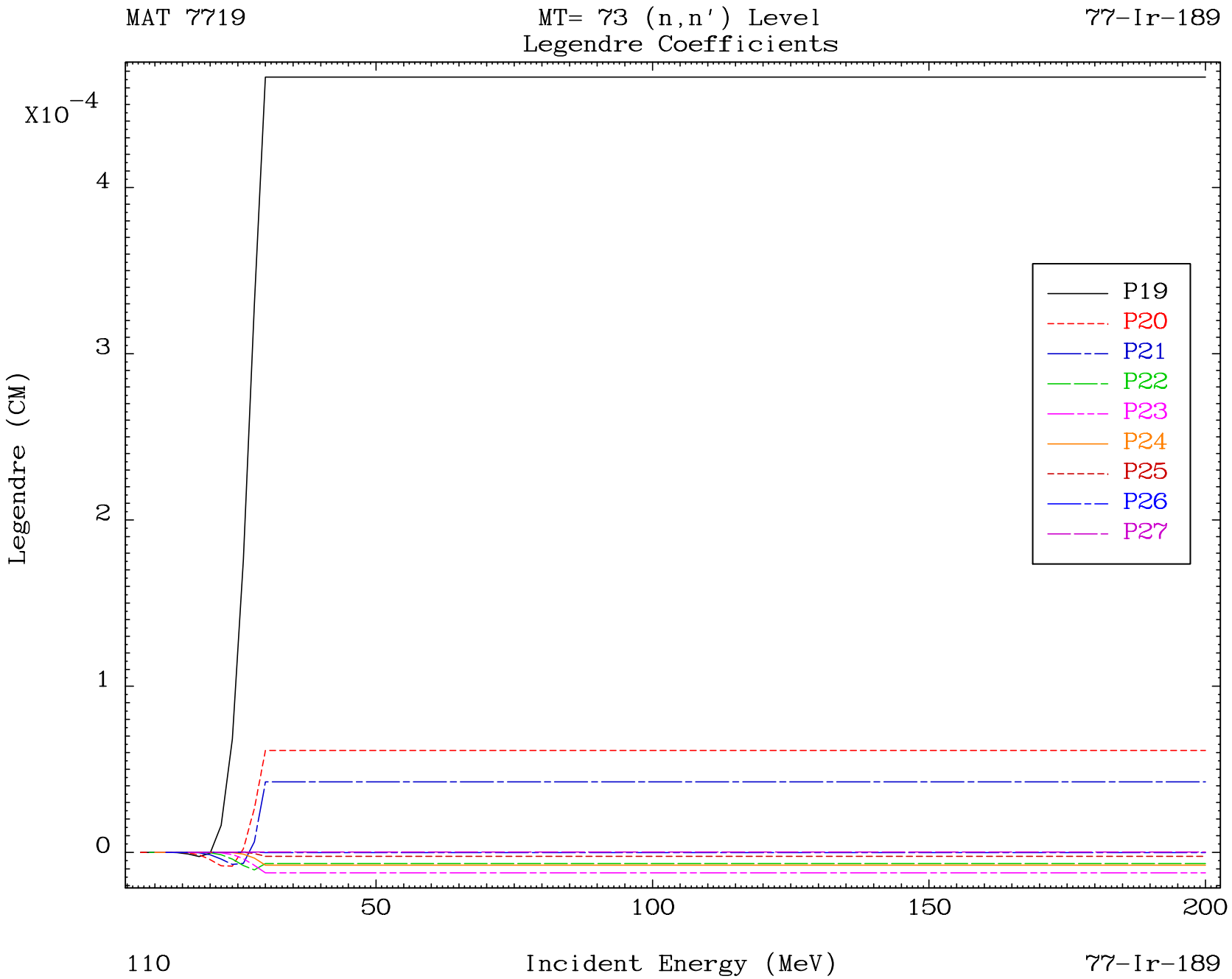

MAT 7719
MT= 72 (n,n') Level
Legendre Coefficients
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
105
Incident Energy (MeV)
77-Ir-189

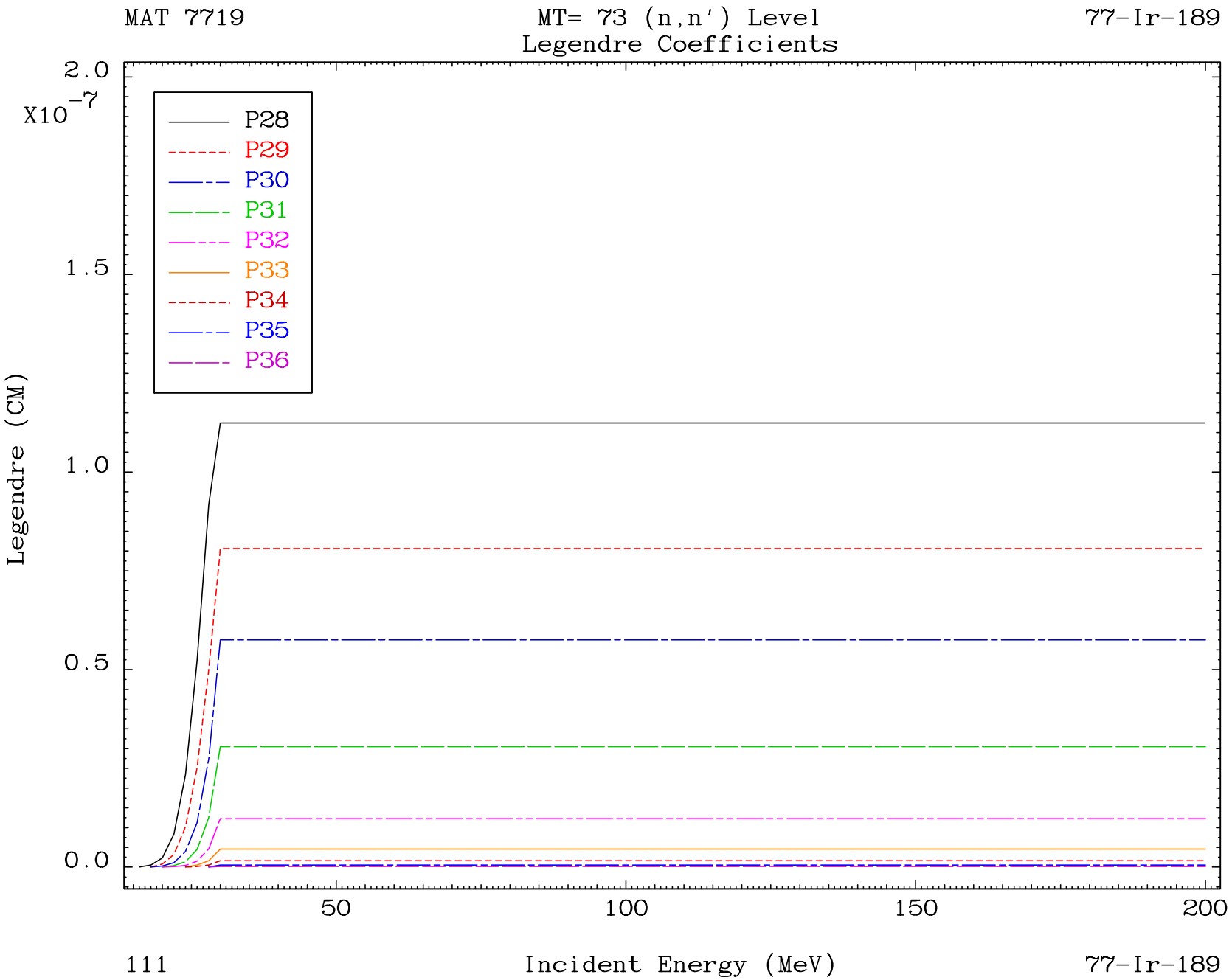

MAT 7719
MT= 72 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-3
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
106
Incident Energy (MeV)
77-Ir-189

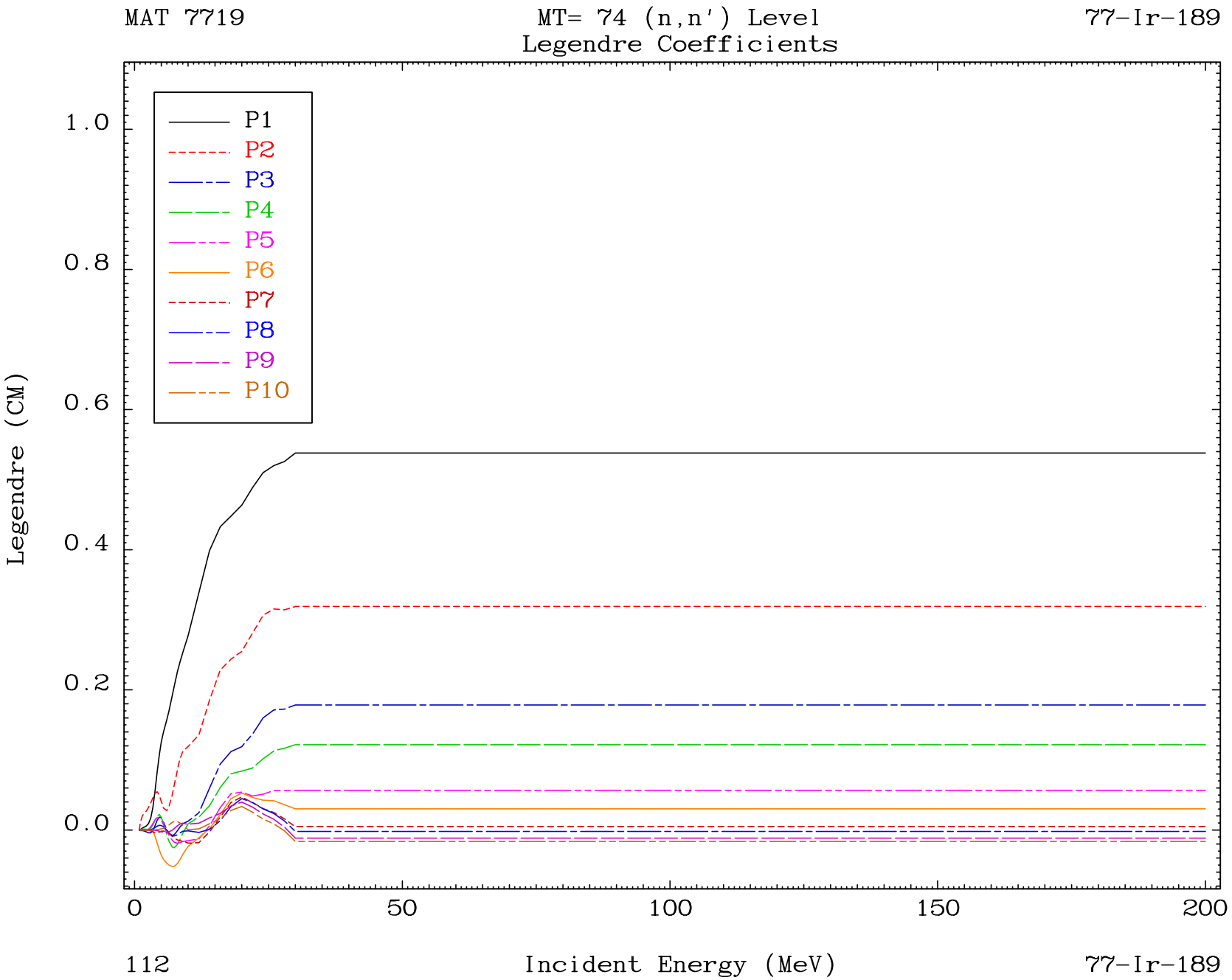

MAT 7719
MT= 72 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
107
Incident Energy (MeV)
77-Ir-189

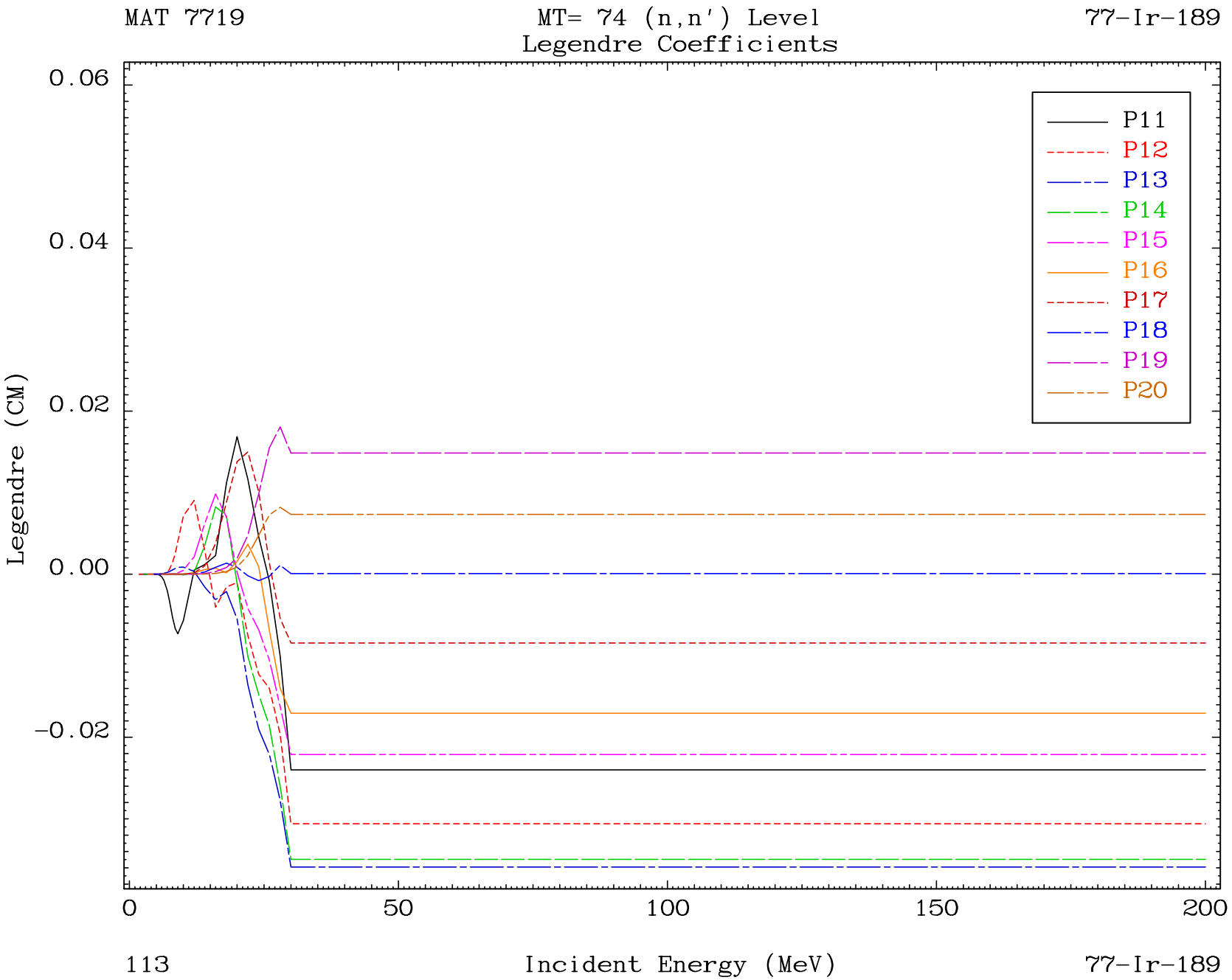

MAT 7719
MT= 73 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
108
Incident Energy (MeV)
77-Ir-189

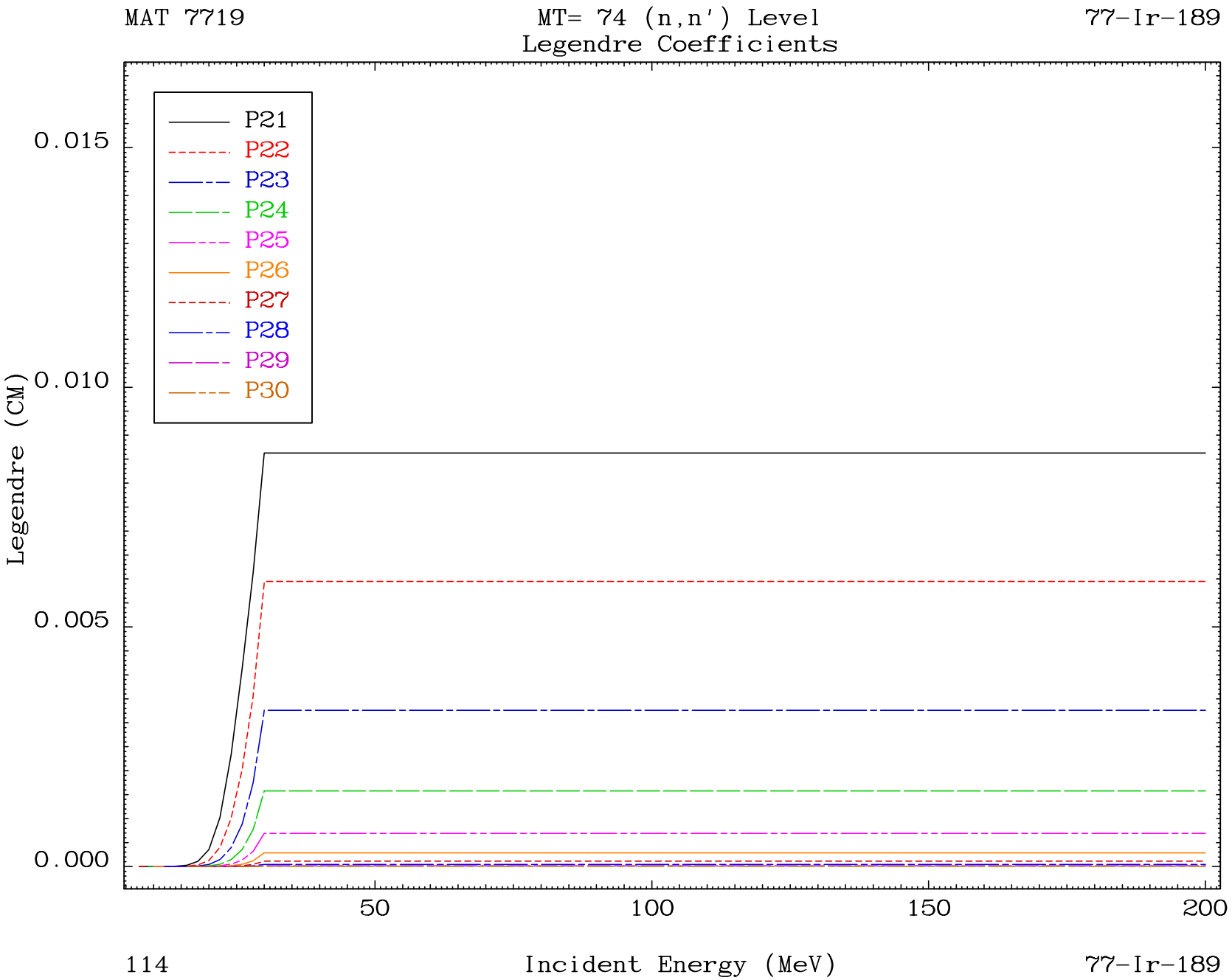

MAT 7719
MT= 73 (n,n') Level
Legendre Coefficients
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
109
Incident Energy (MeV)
77-Ir-189

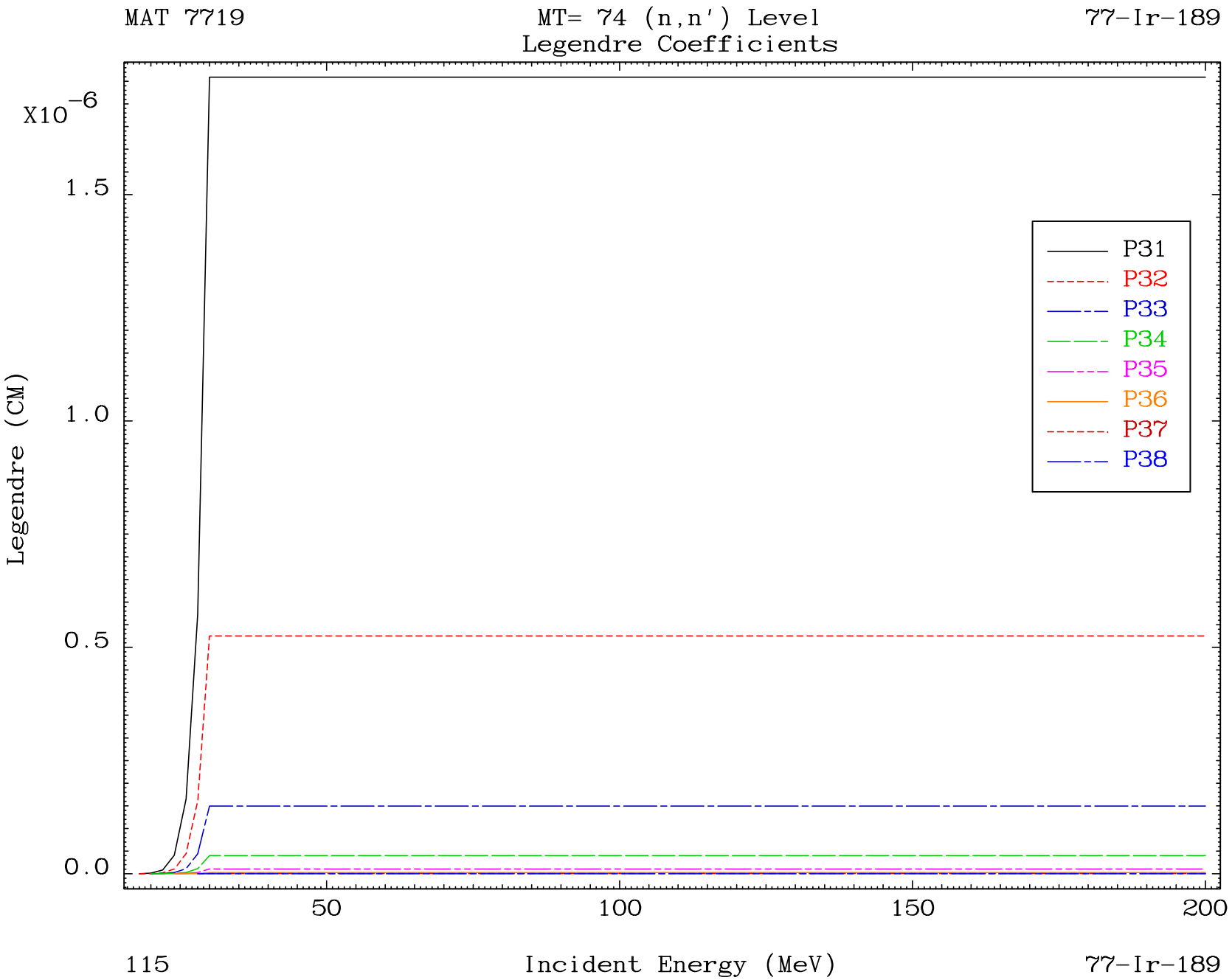

MAT 7719
MT= 73 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-4
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
110
Incident Energy (MeV)
77-Ir-189

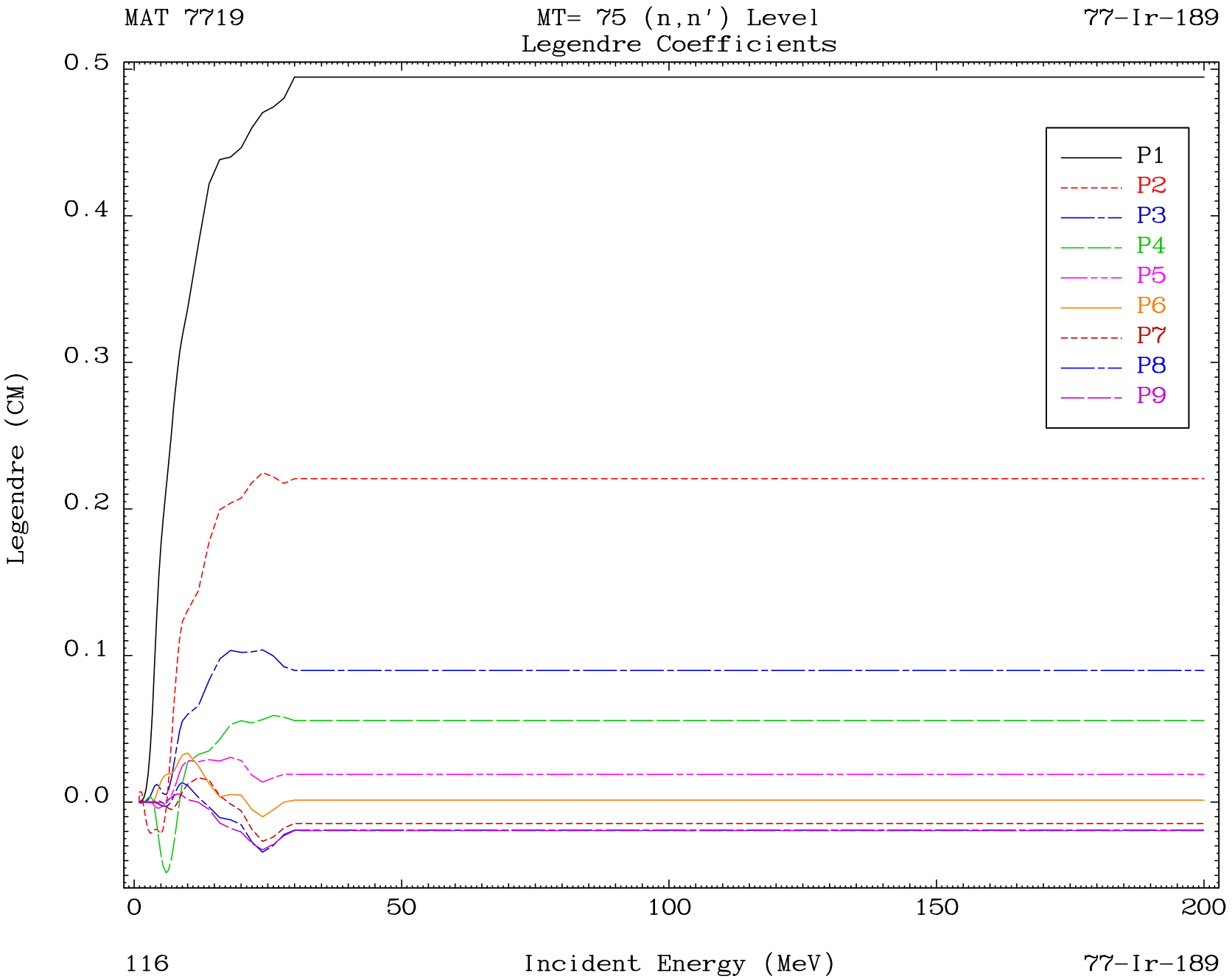

MAT 7719
MT= 73 (n,n') Level
Legendre Coefficients
77-Ir-189
X10 −7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
111
Incident Energy (MeV)
77-Ir-189

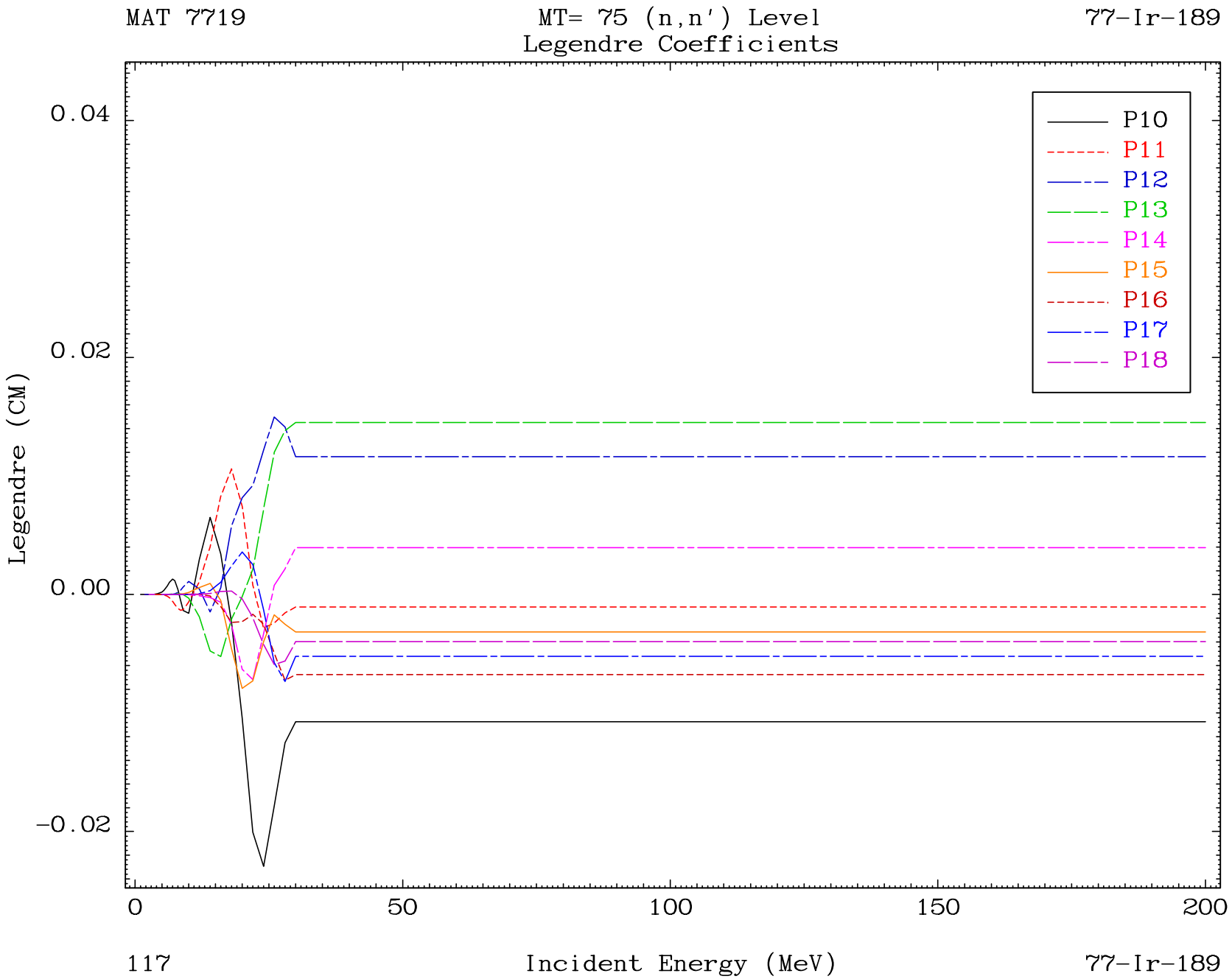

MAT 7719
MT= 74 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
112
Incident Energy (MeV)
77-Ir-189

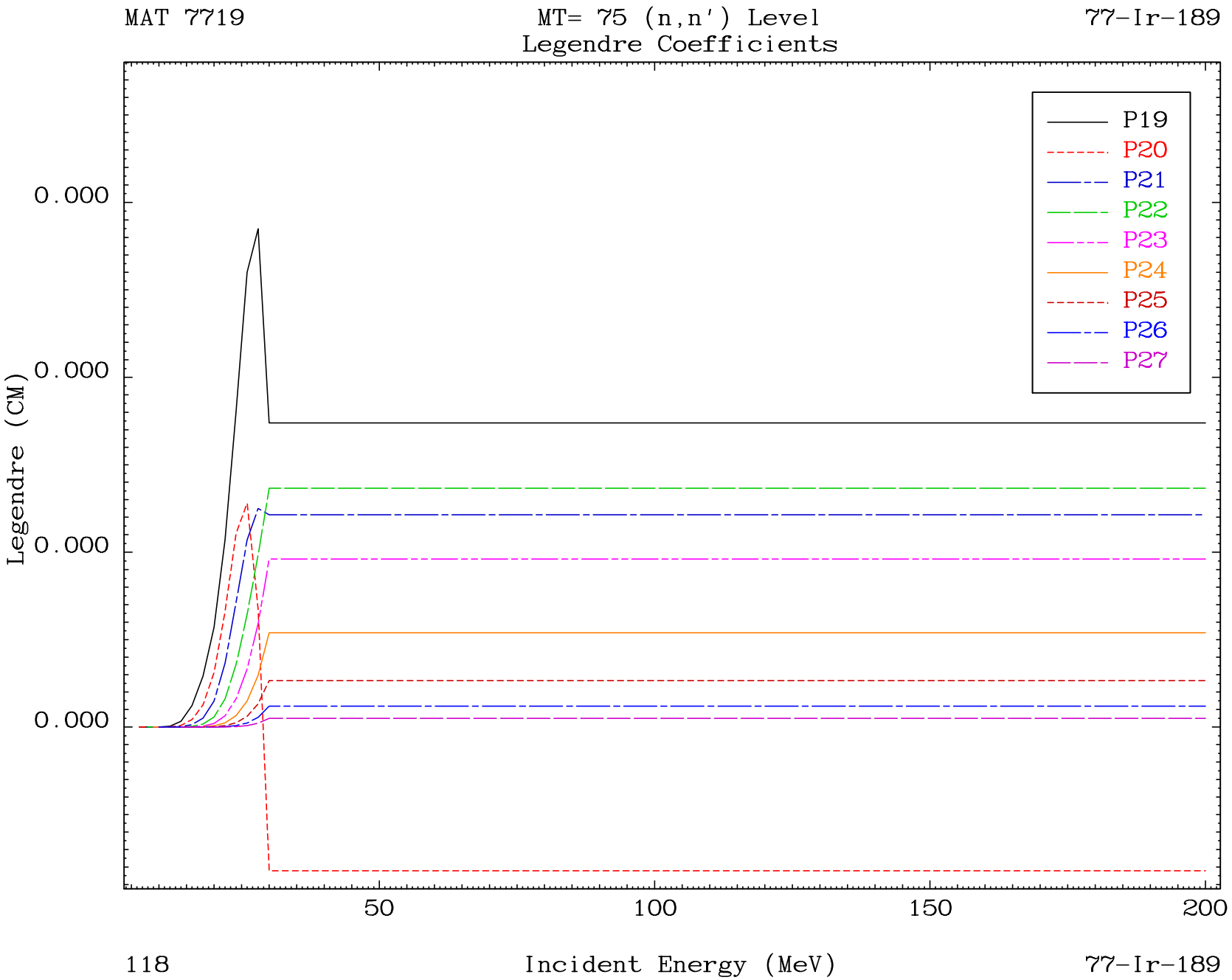

MAT 7719
MT= 74 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
113
Incident Energy (MeV)
77-Ir-189

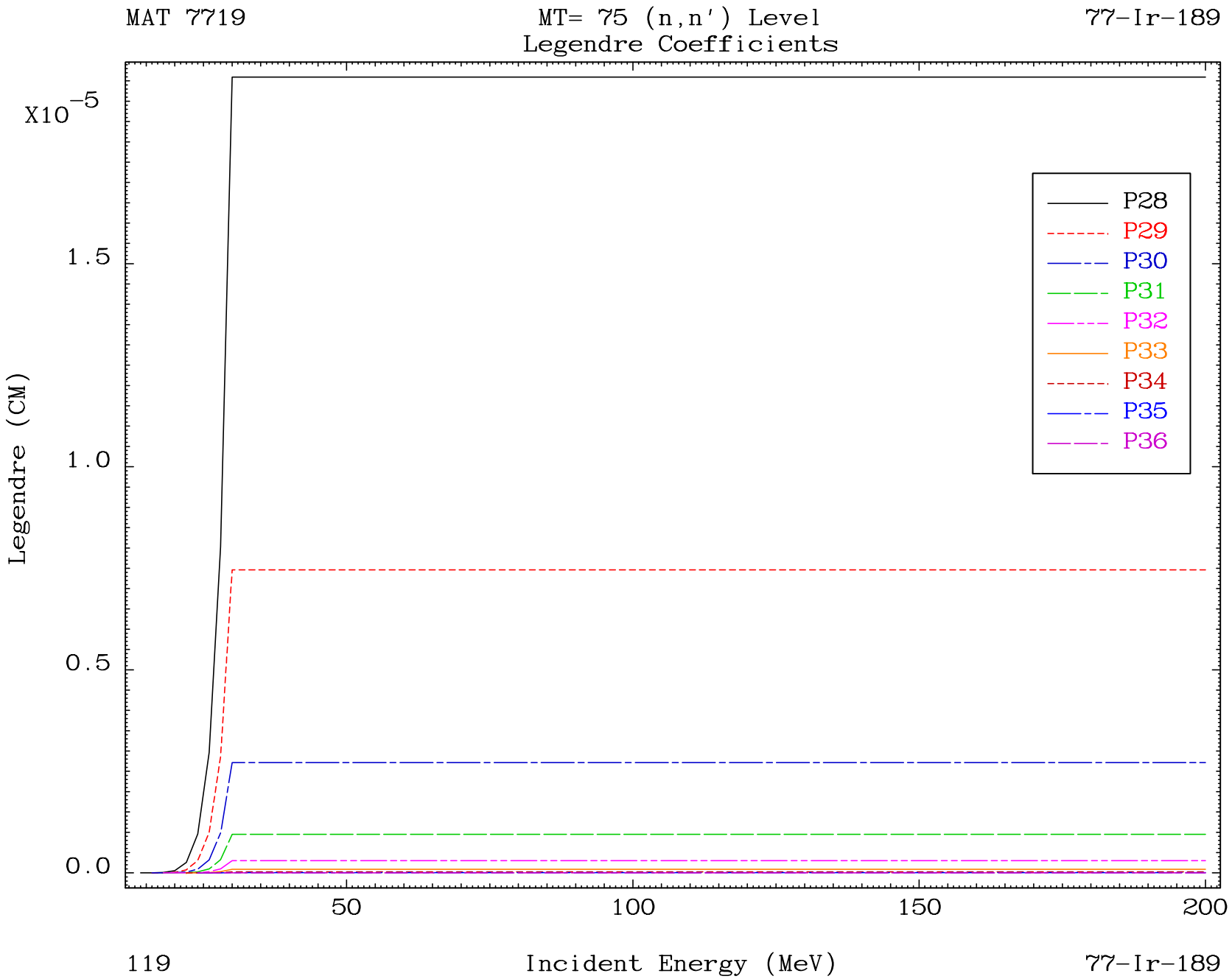

MAT 7719
MT= 74 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
114
Incident Energy (MeV)
77-Ir-189

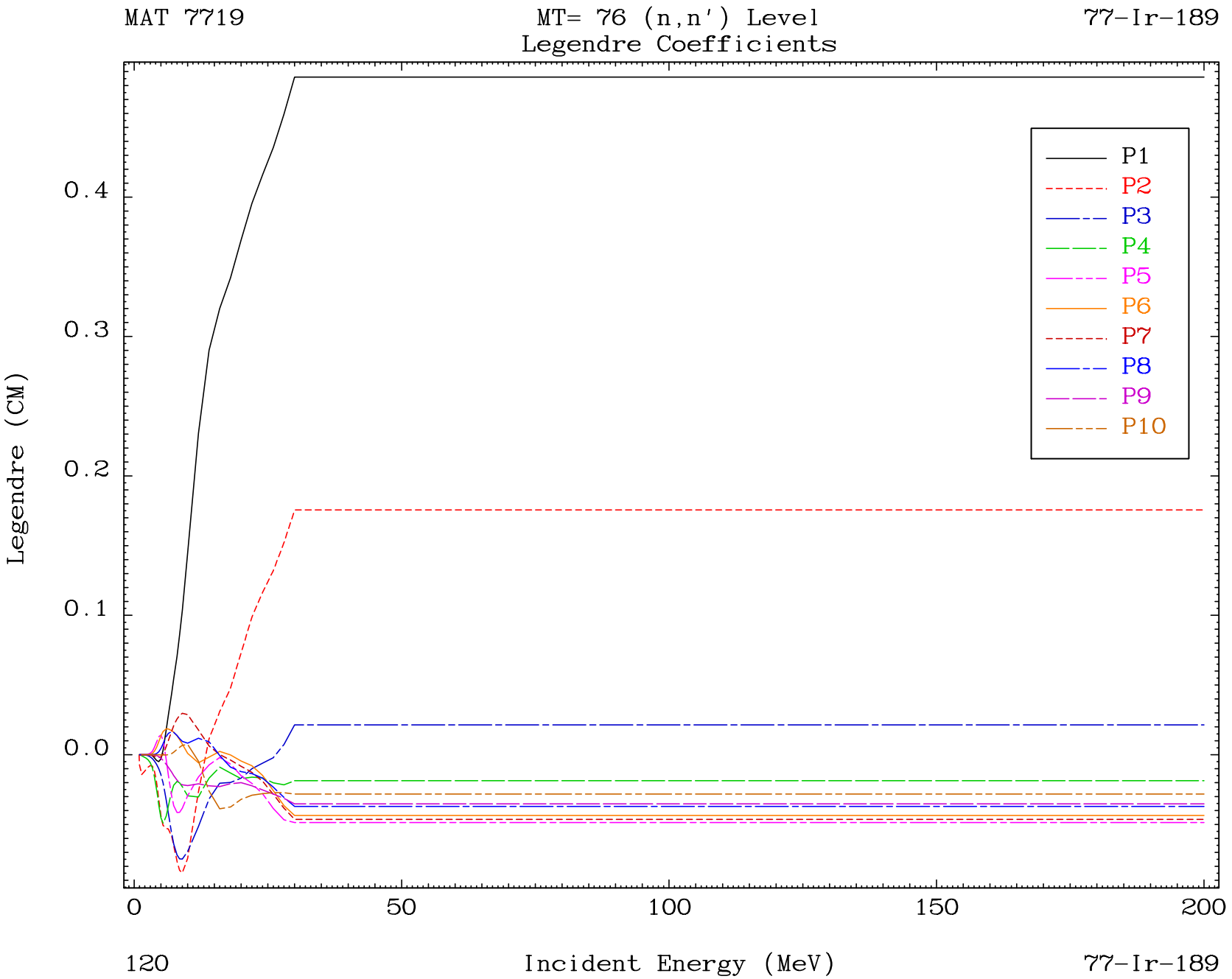

MAT 7719
MT= 74 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
115
Incident Energy (MeV)
77-Ir-189

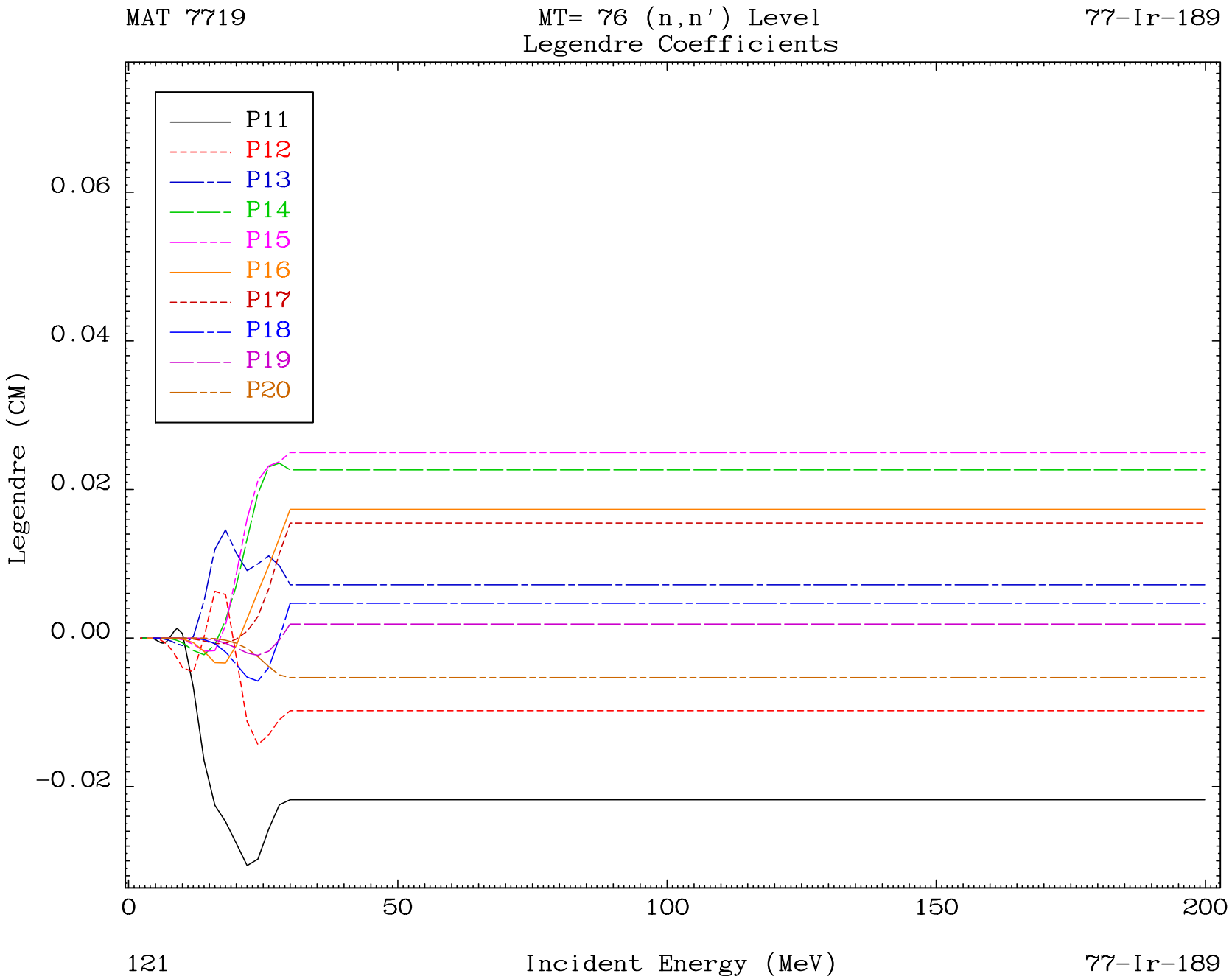

MAT 7719
MT= 75 (n,n') Level
Legendre Coefficients
77-Ir-189
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
116
Incident Energy (MeV)
77-Ir-189

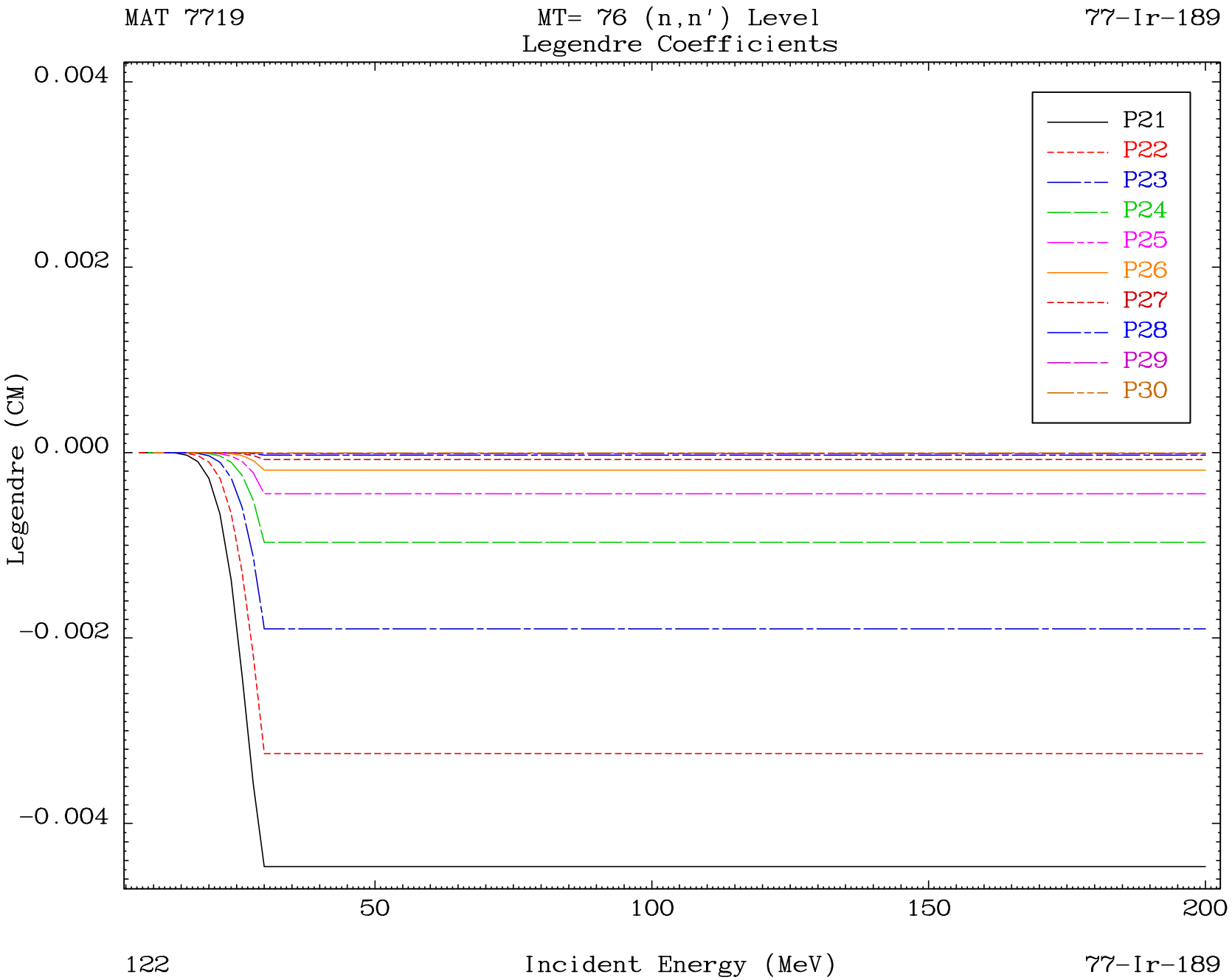

MAT 7719
MT= 75 (n,n') Level
Legendre Coefficients
77-Ir-189
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
117
Incident Energy (MeV)
77-Ir-189

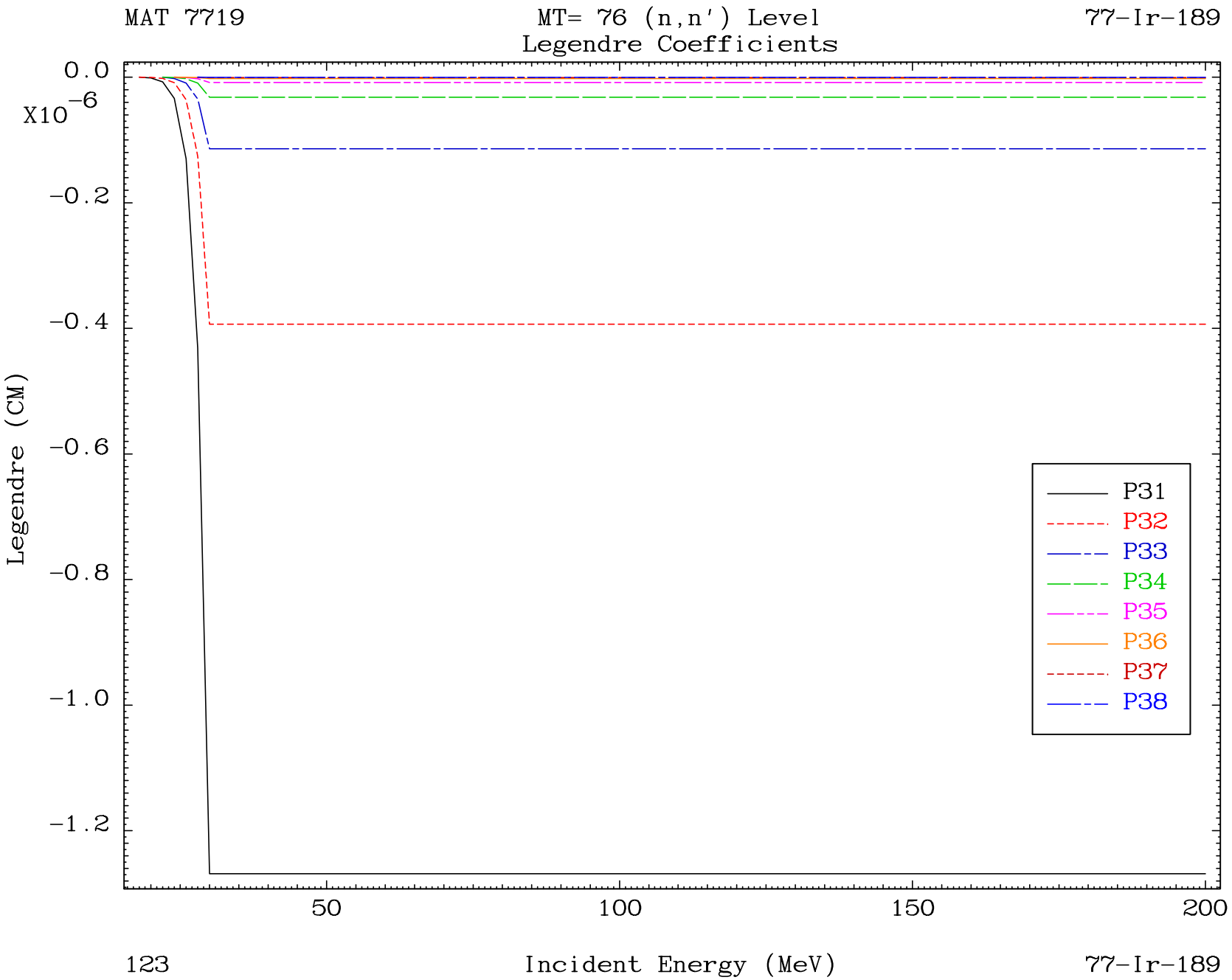

MAT 7719
MT= 75 (n,n') Level
Legendre Coefficients
77-Ir-189
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
118
Incident Energy (MeV)
77-Ir-189

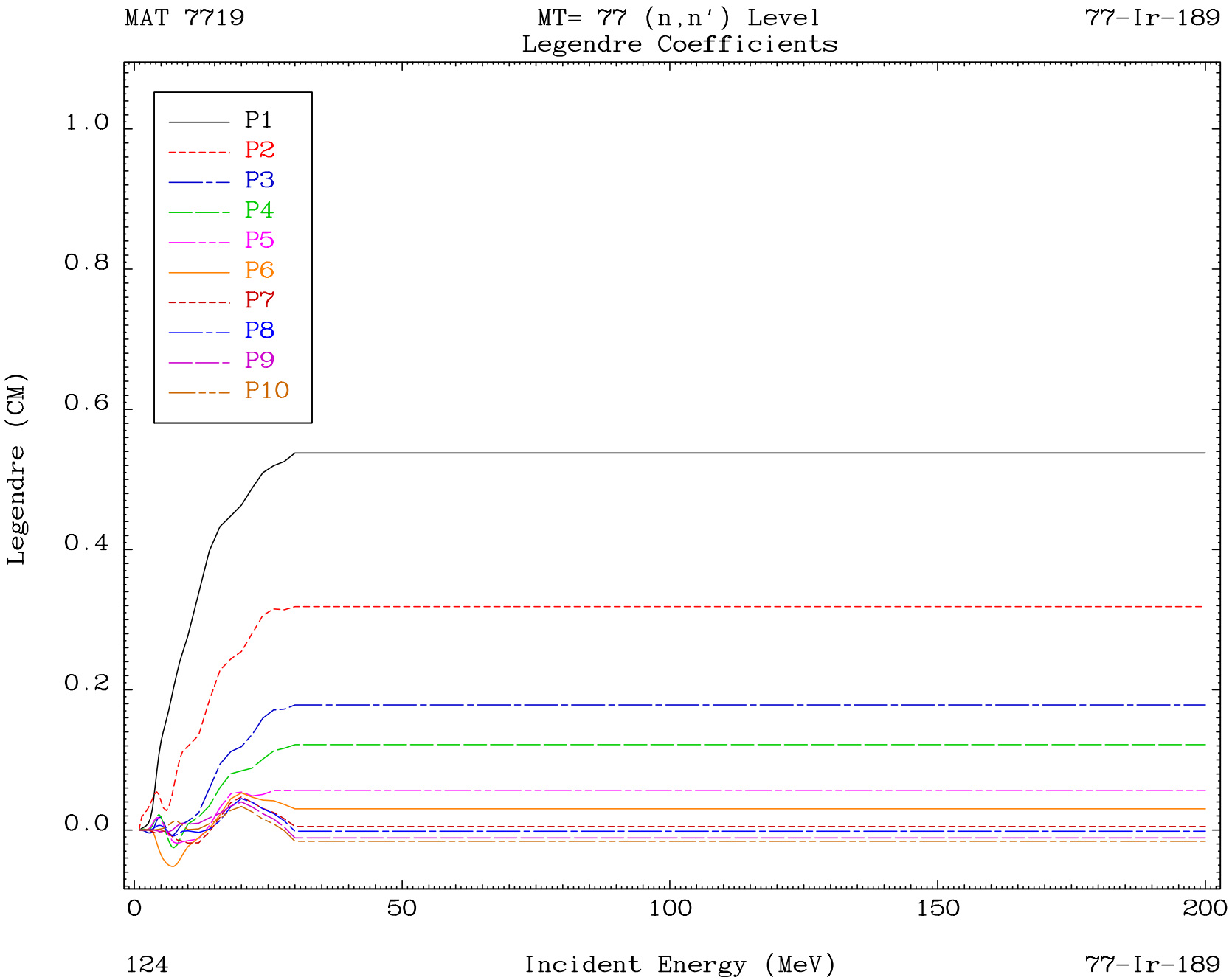

MAT 7719
MT= 75 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
119
Incident Energy (MeV)
77-Ir-189

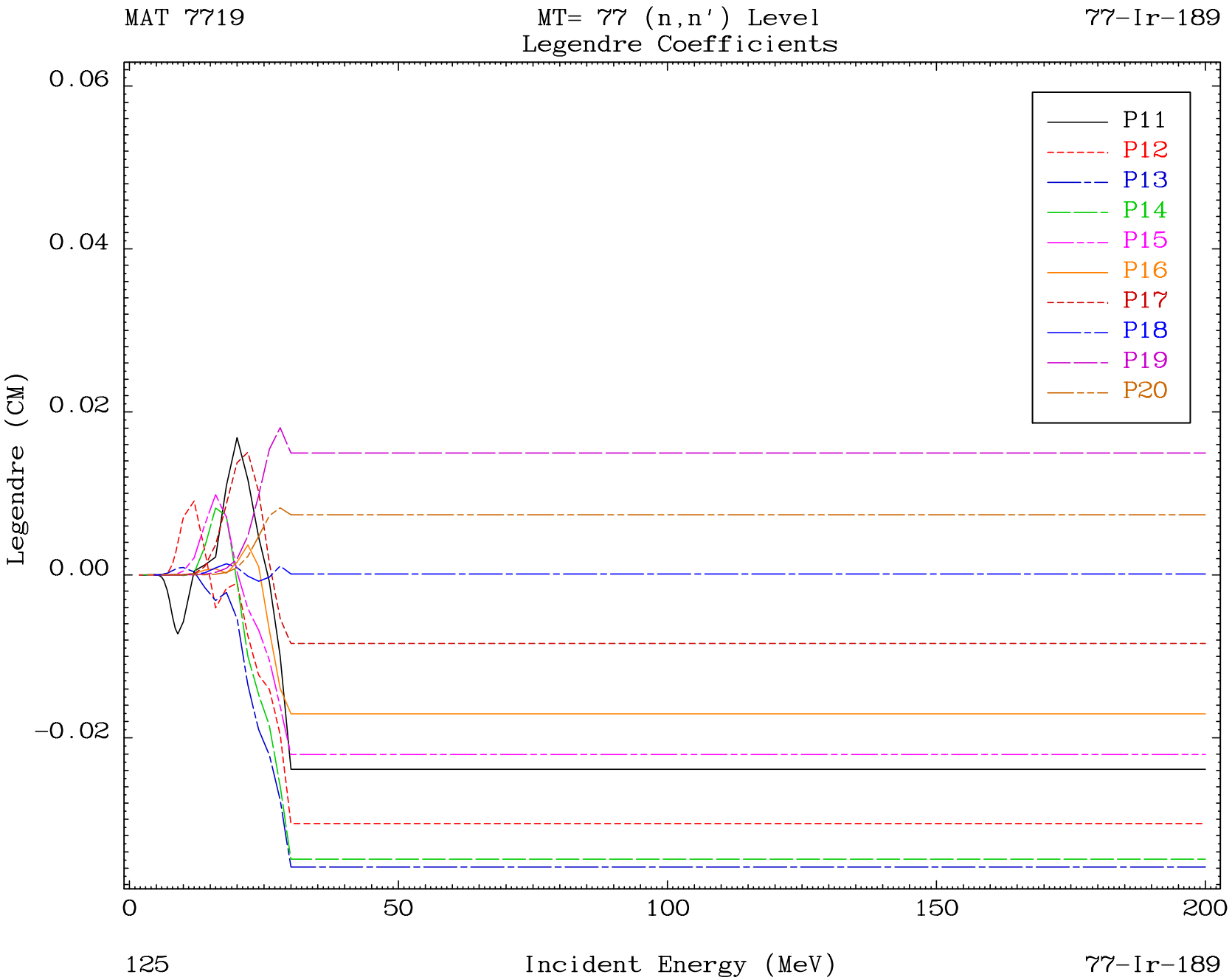

MAT 7719
MT= 76 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
120
Incident Energy (MeV)
77-Ir-189

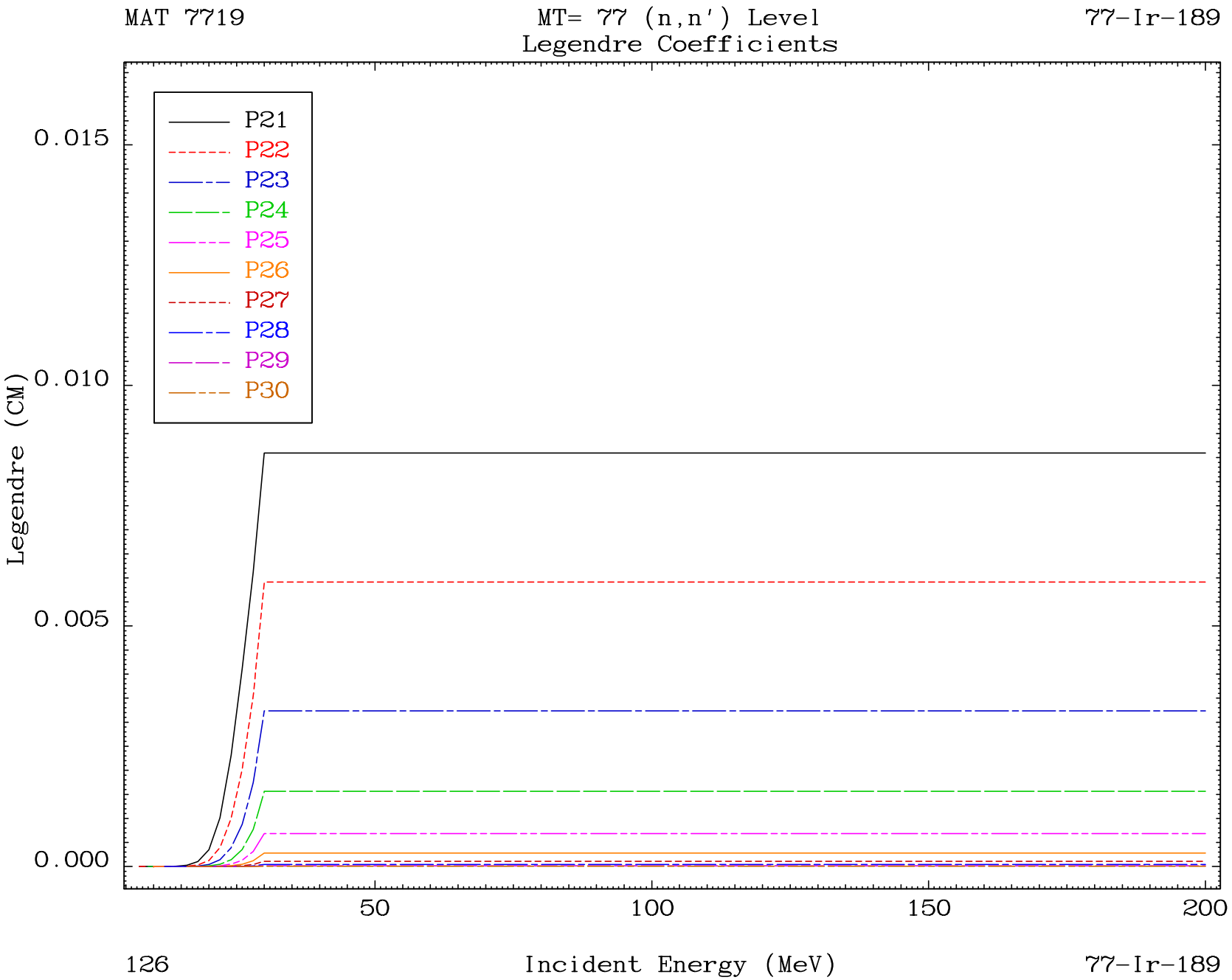

MAT 7719
MT= 76 (n,n') Level
Legendre Coefficients
77-Ir-189
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
121
Incident Energy (MeV)
77-Ir-189

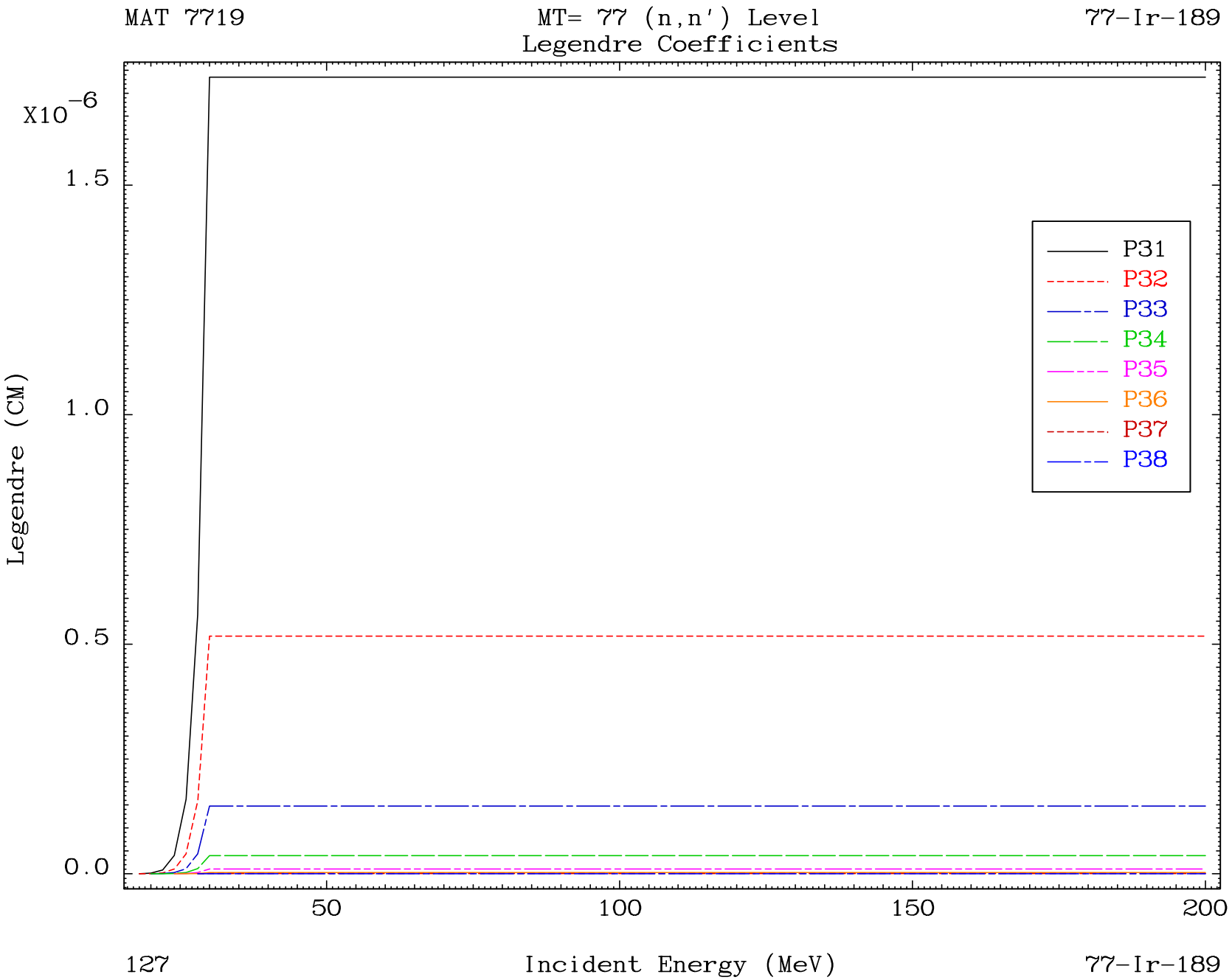

MAT 7719
MT= 76 (n,n') Level
Legendre Coefficients
77-Ir-189
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
122
Incident Energy (MeV)
77-Ir-189

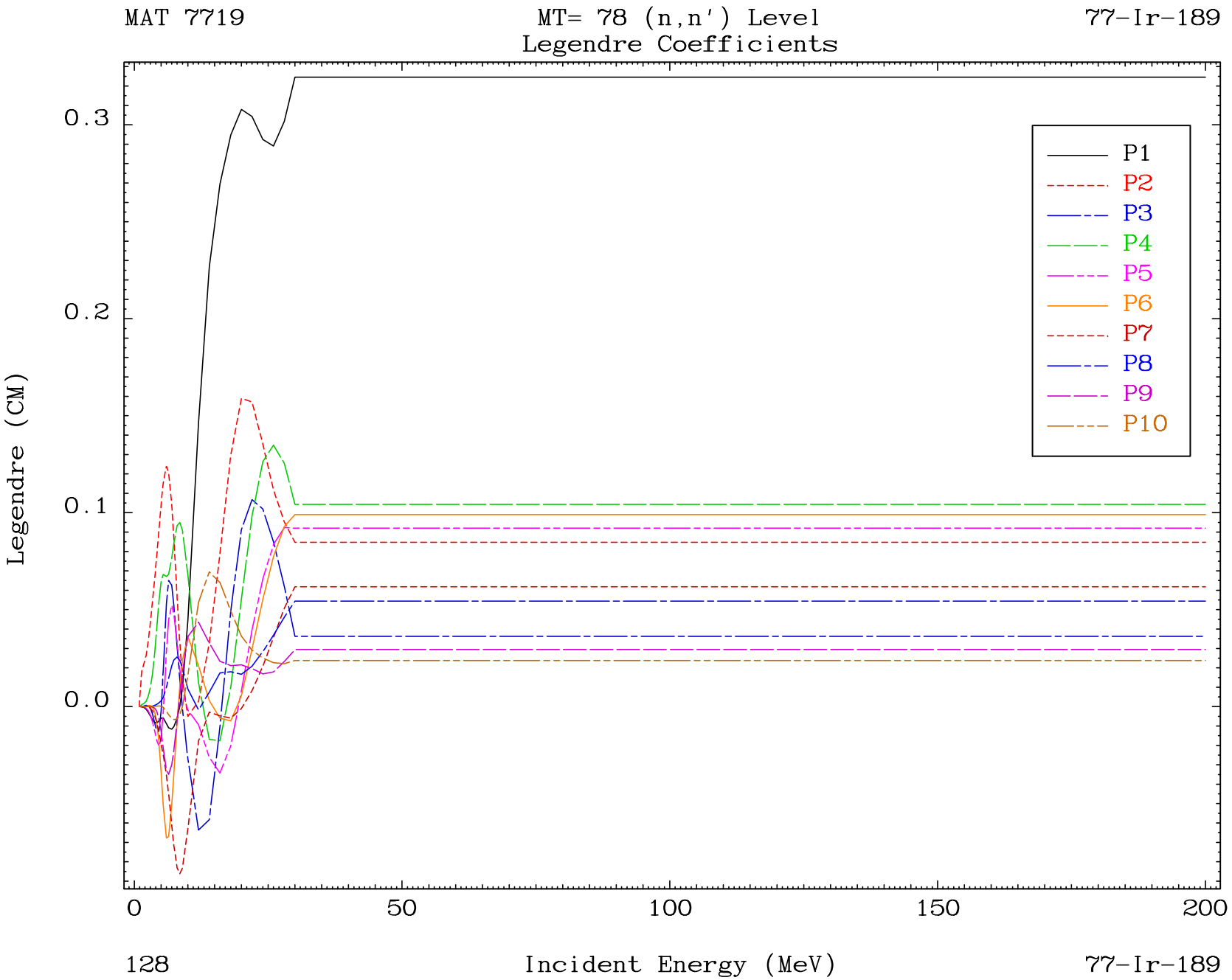

MAT 7719
MT= 76 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
P31
P32
P33
P34
P35
P36
P37
P38
123
Incident Energy (MeV)
77-Ir-189

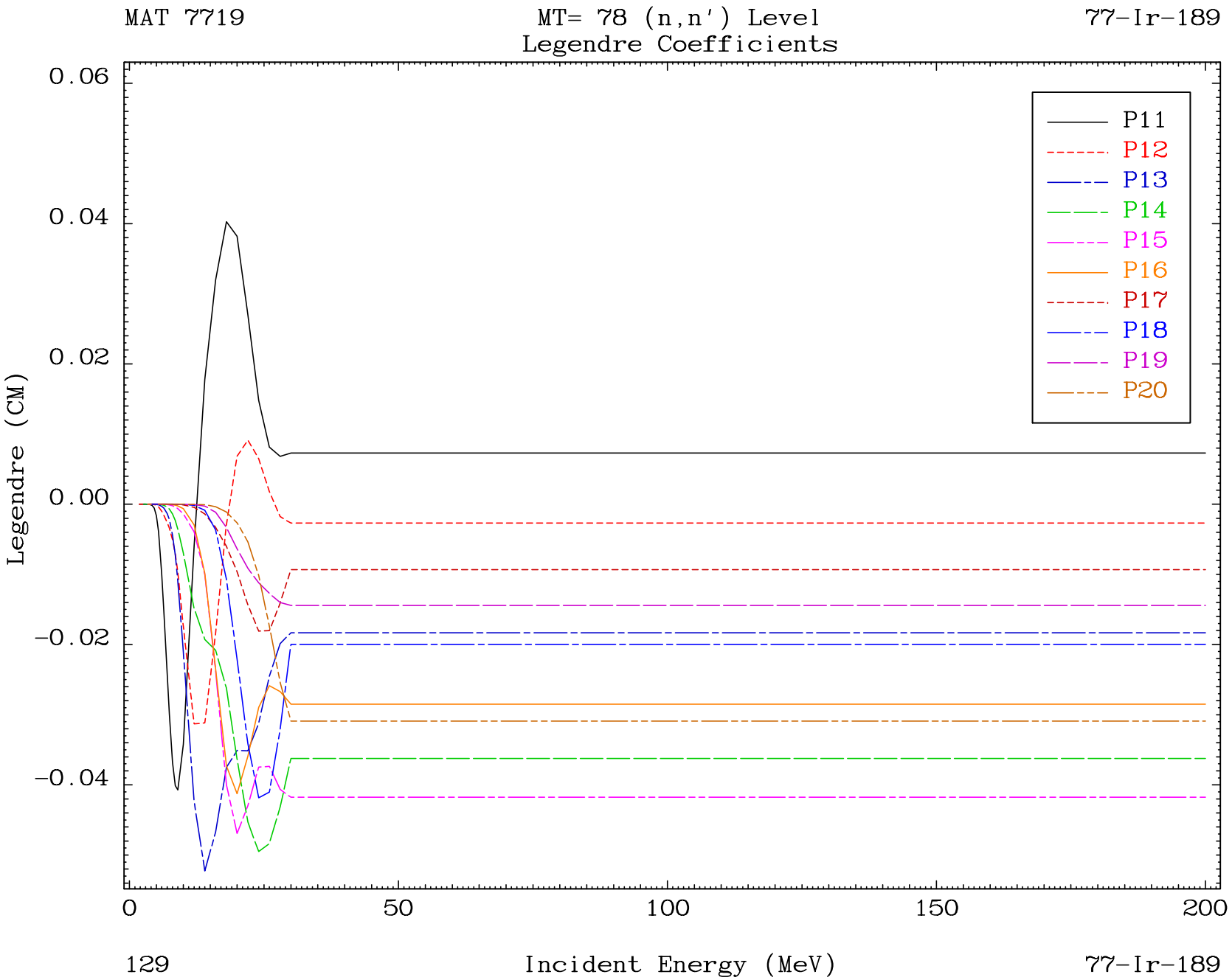

MAT 7719
MT= 77 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
124
Incident Energy (MeV)
77-Ir-189

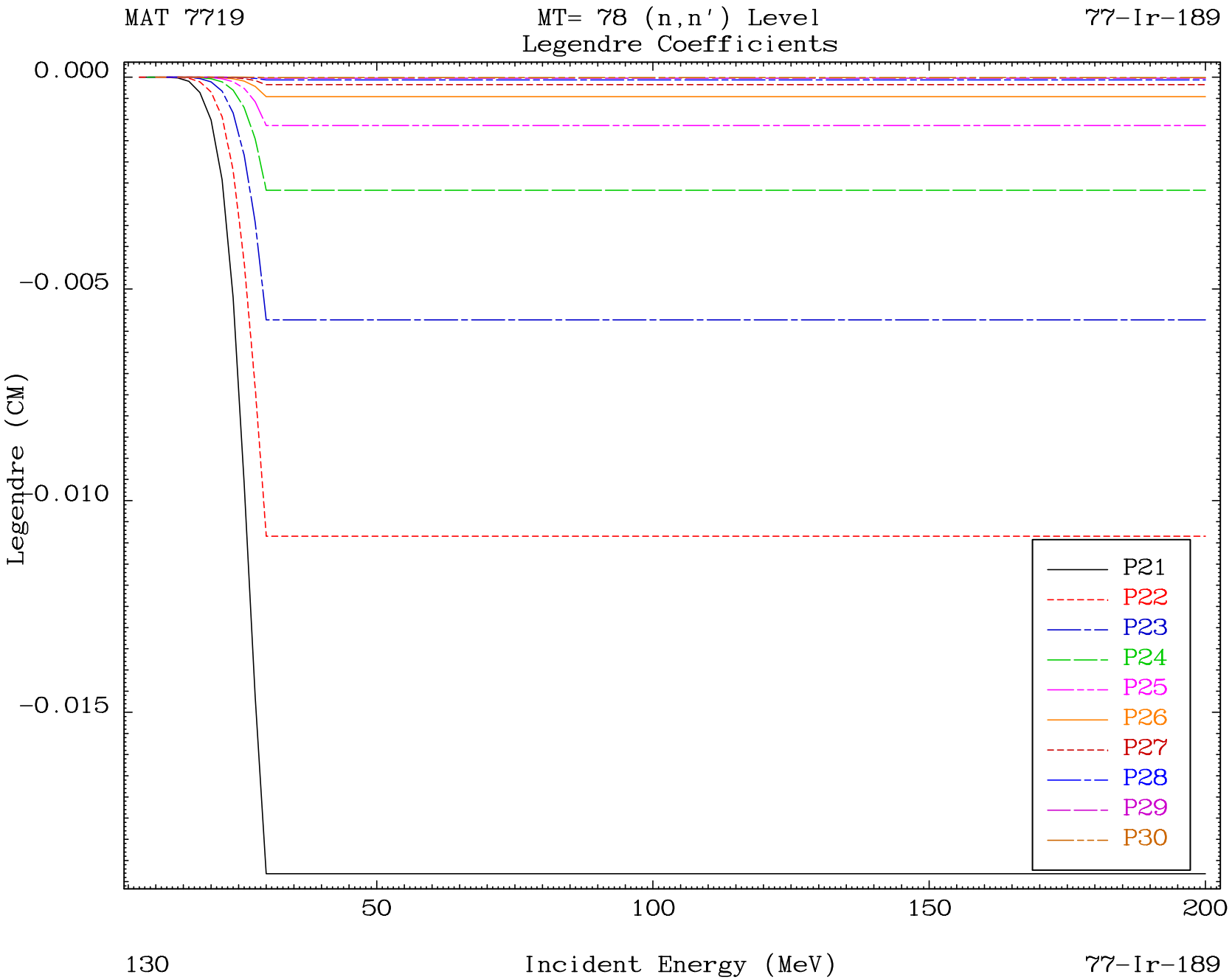

MAT 7719
MT= 77 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
125
Incident Energy (MeV)
77-Ir-189

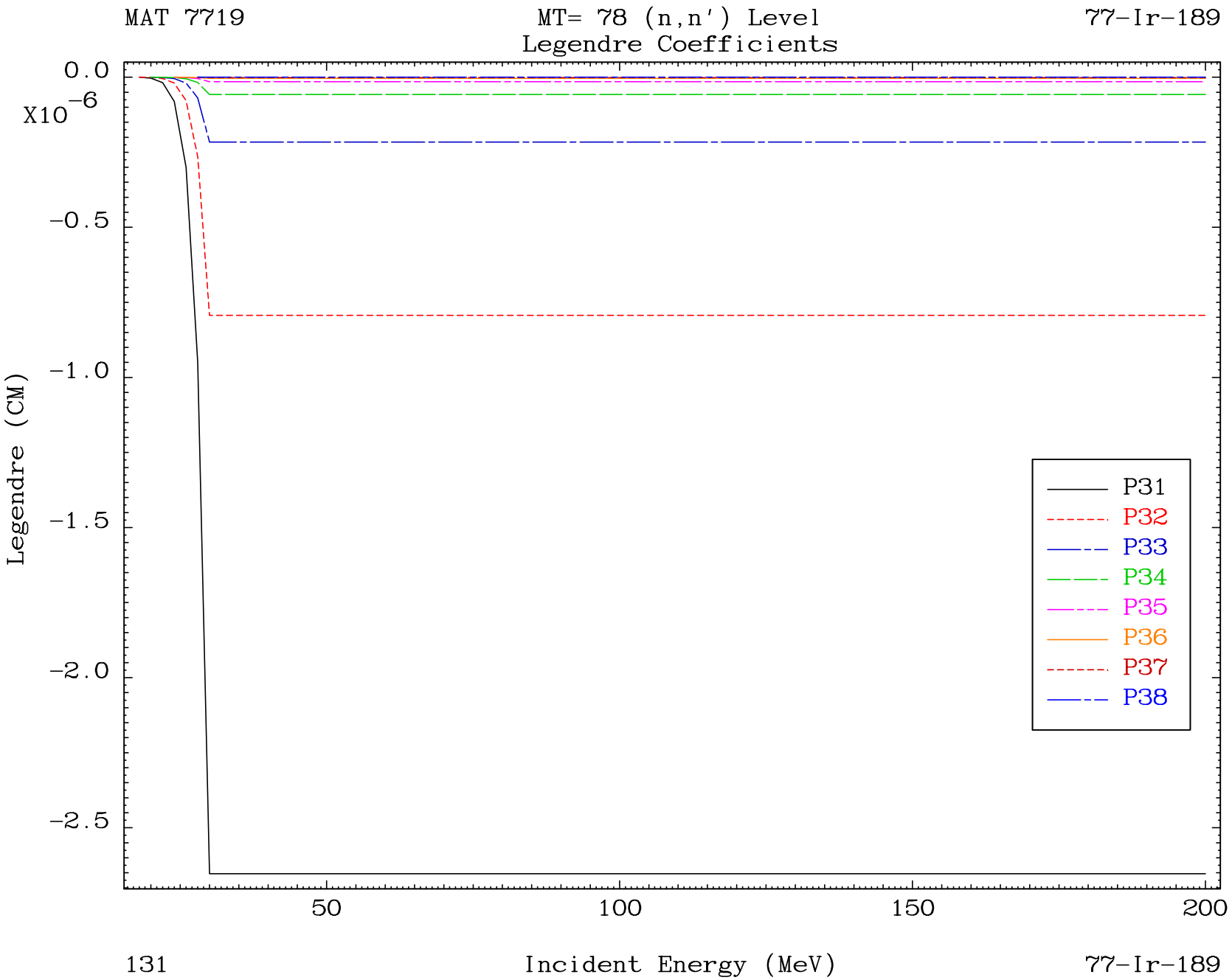

MAT 7719
MT= 77 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
126
Incident Energy (MeV)
77-Ir-189

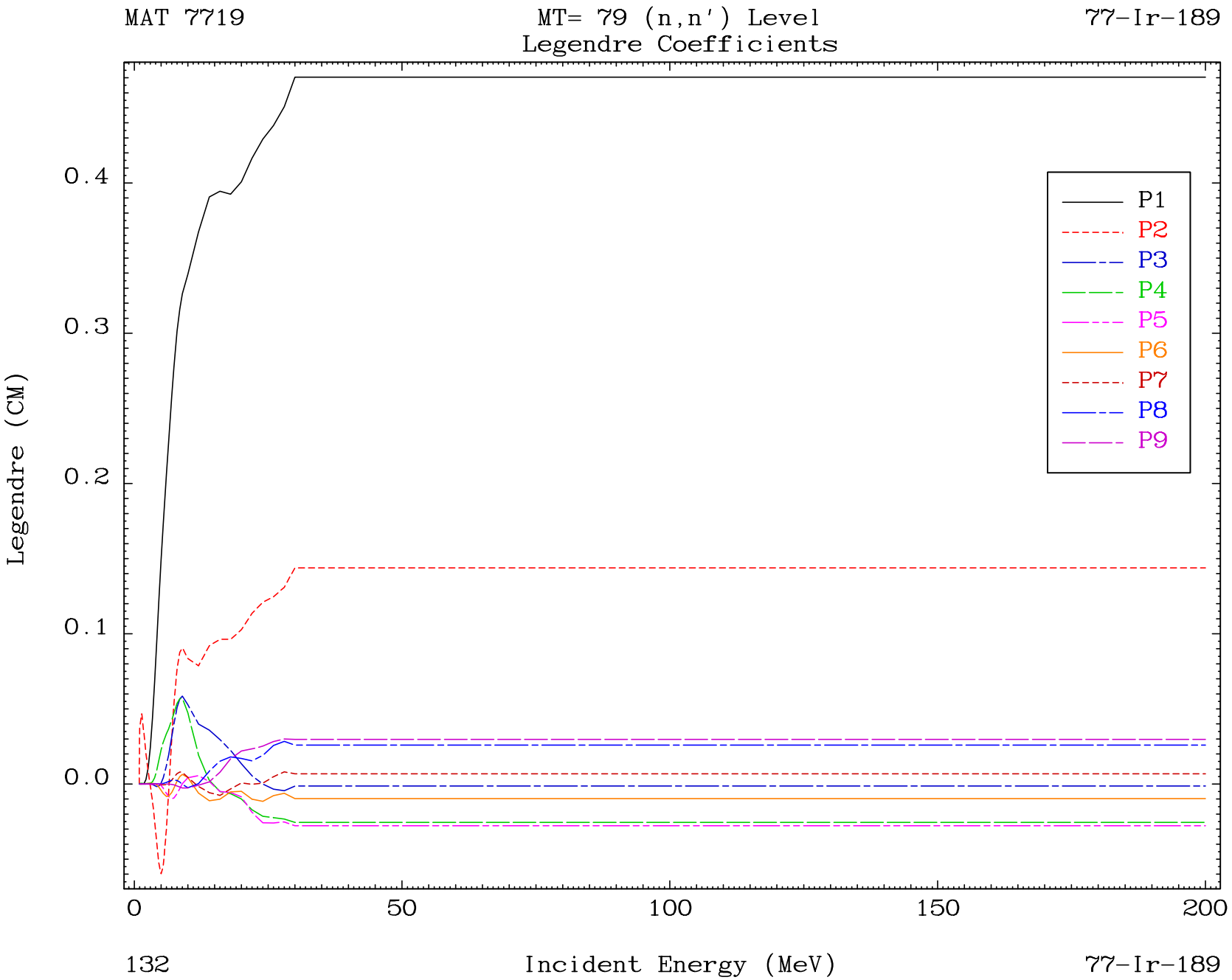

MAT 7719
MT= 77 (n,n') Level
Legendre Coefficients
77-Ir-189
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
127
Incident Energy (MeV)
77-Ir-189

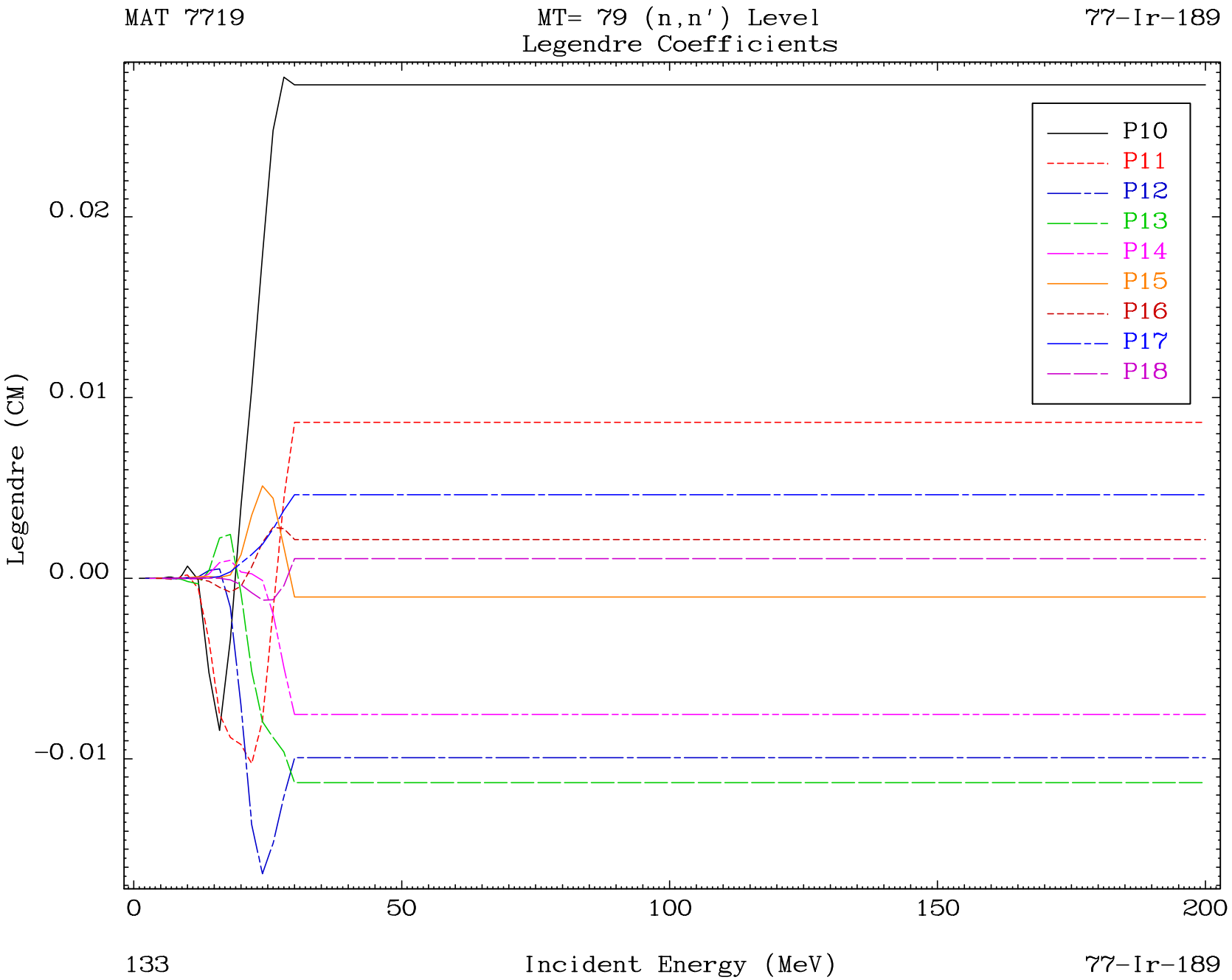

MAT 7719
MT= 78 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
128
Incident Energy (MeV)
77-Ir-189

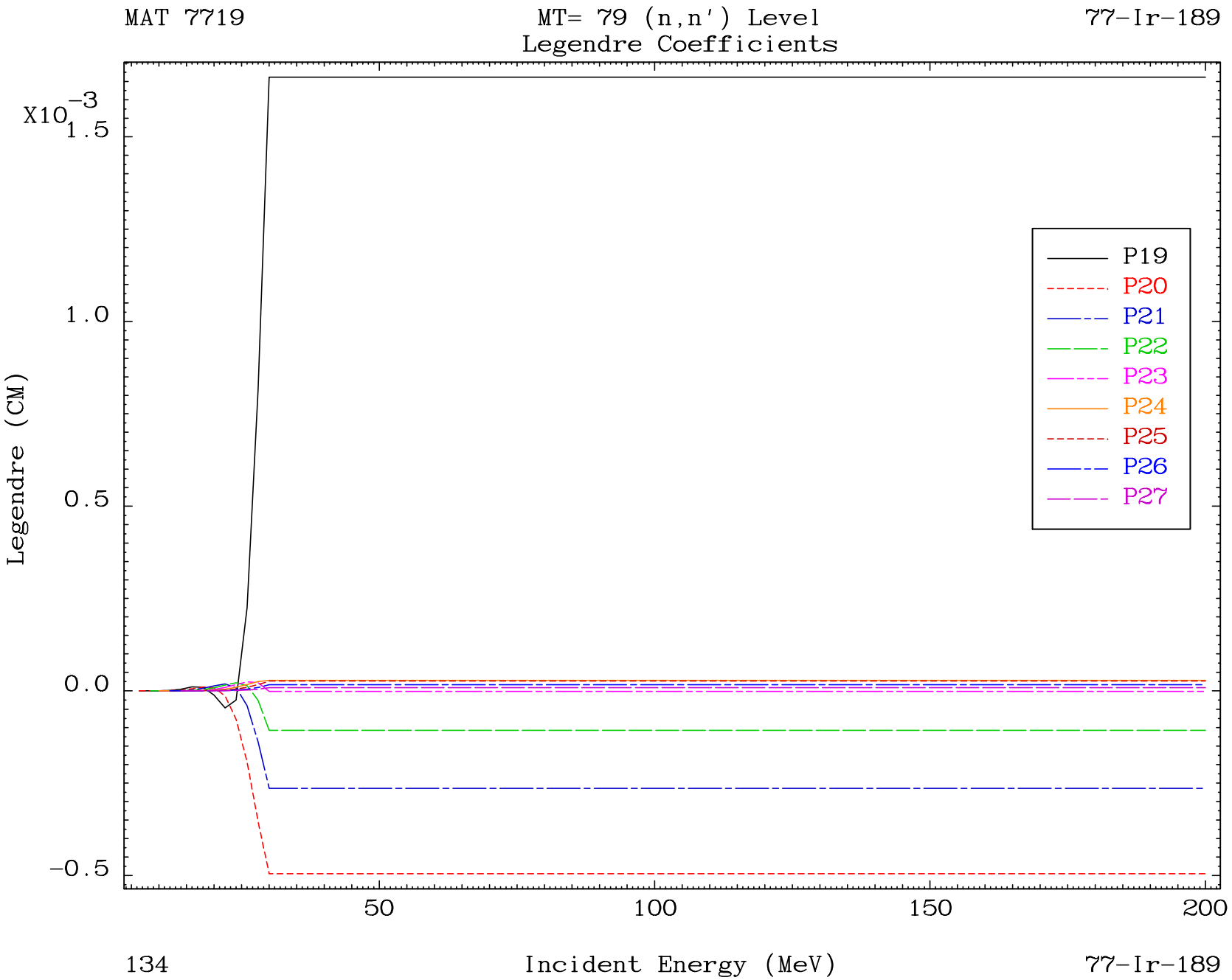

MAT 7719
MT= 78 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
129
Incident Energy (MeV)
77-Ir-189

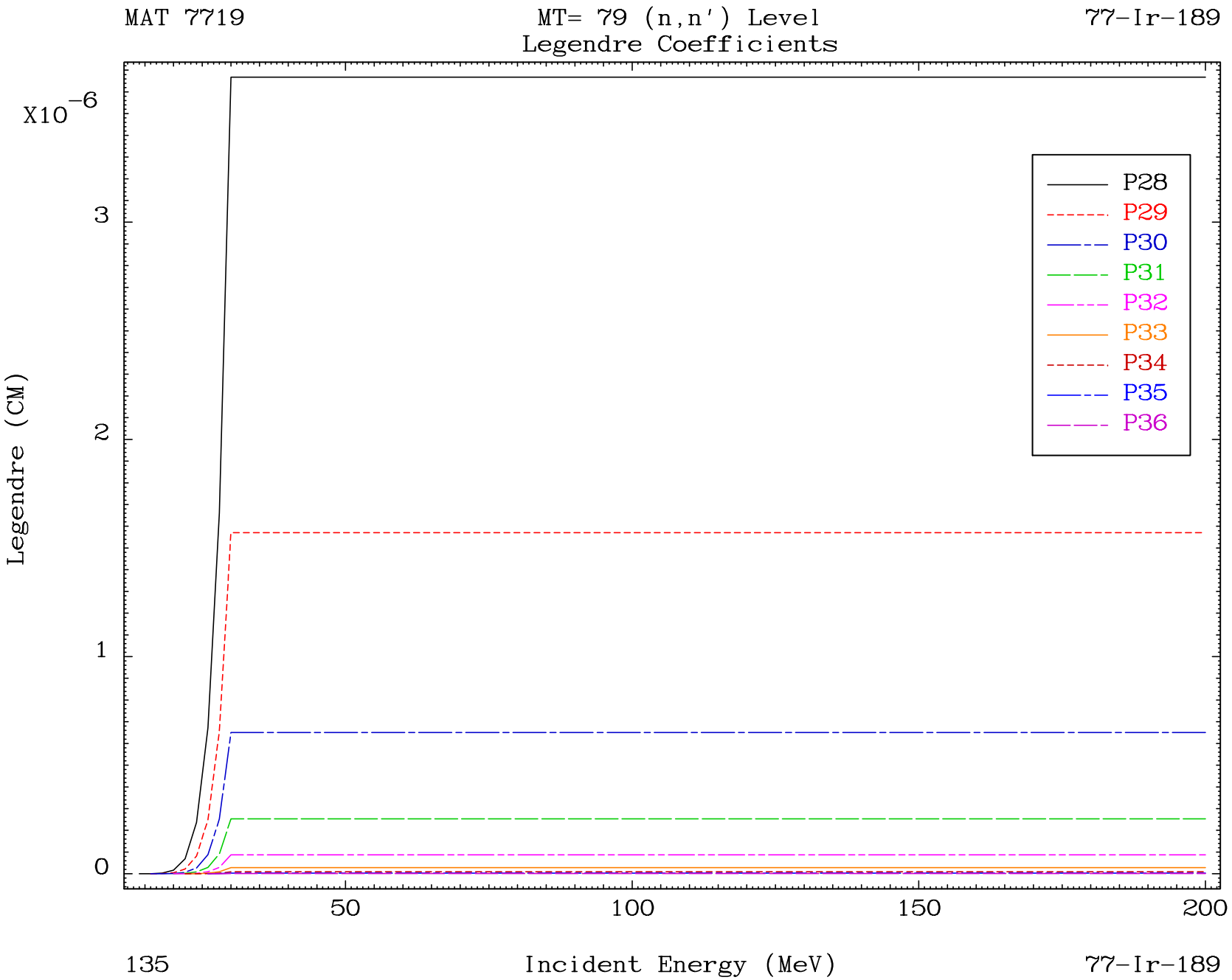

MAT 7719
MT= 78 (n,n') Level
Legendre Coefficients
77-Ir-189
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
130
Incident Energy (MeV)
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

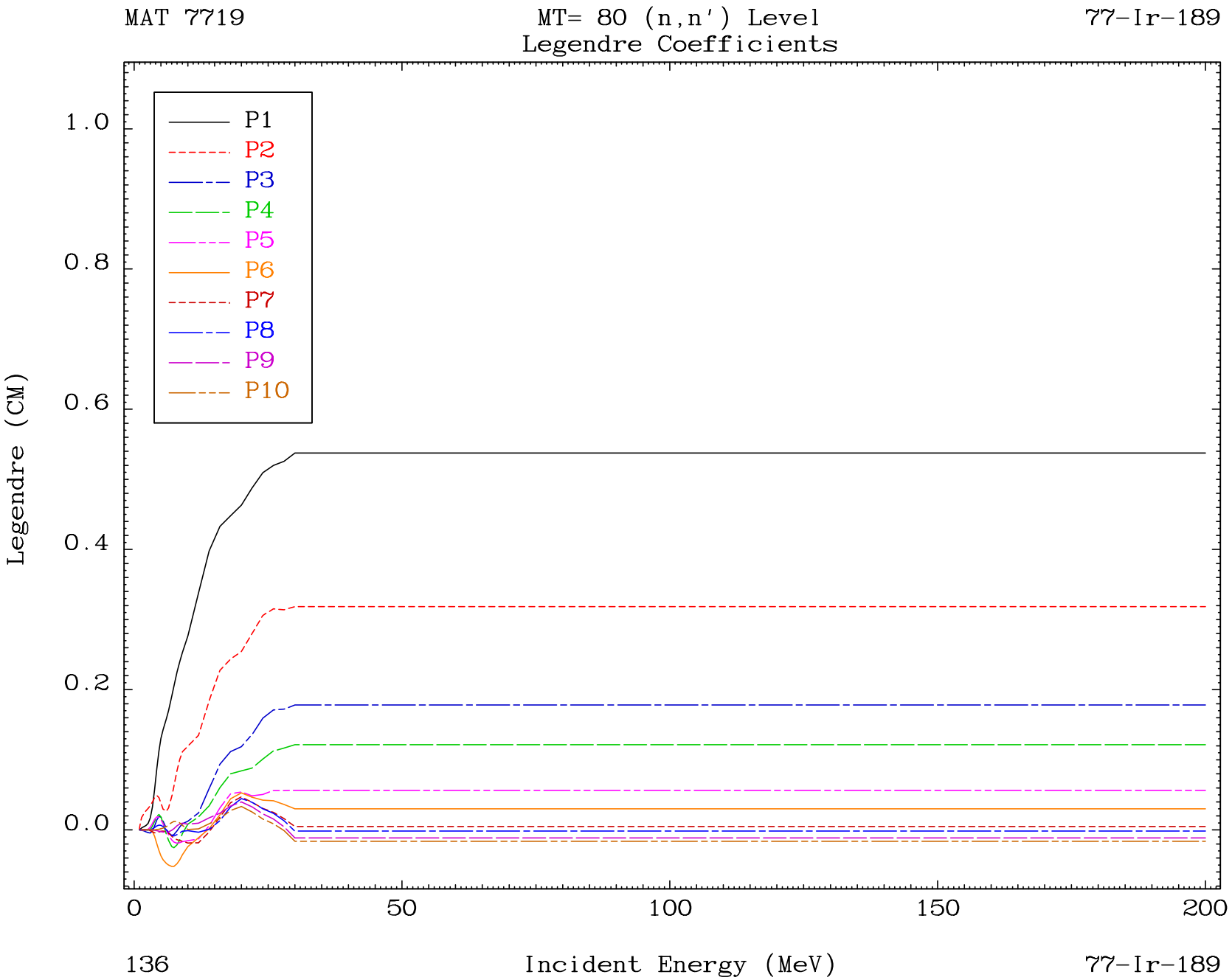

MAT 7719
MT= 78 (n,n') Level
Legendre Coefficients
77-Ir-189
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
131
Incident Energy (MeV)
77-Ir-189
P31
P32
P33
P34
P35
P36
P37
P38

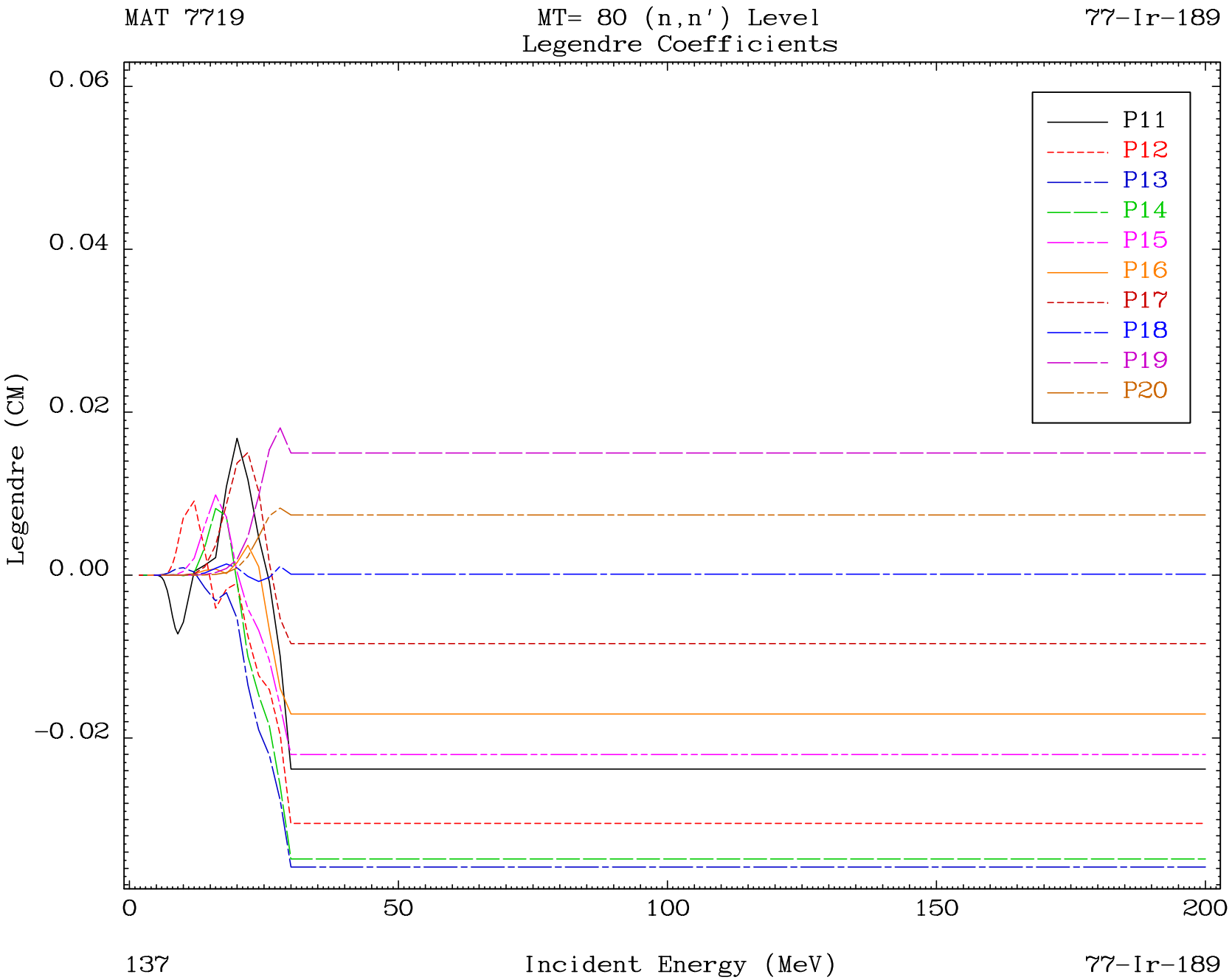

MAT 7719
MT= 79 (n,n') Level
Legendre Coefficients
77-Ir-189
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
132
Incident Energy (MeV)
77-Ir-189

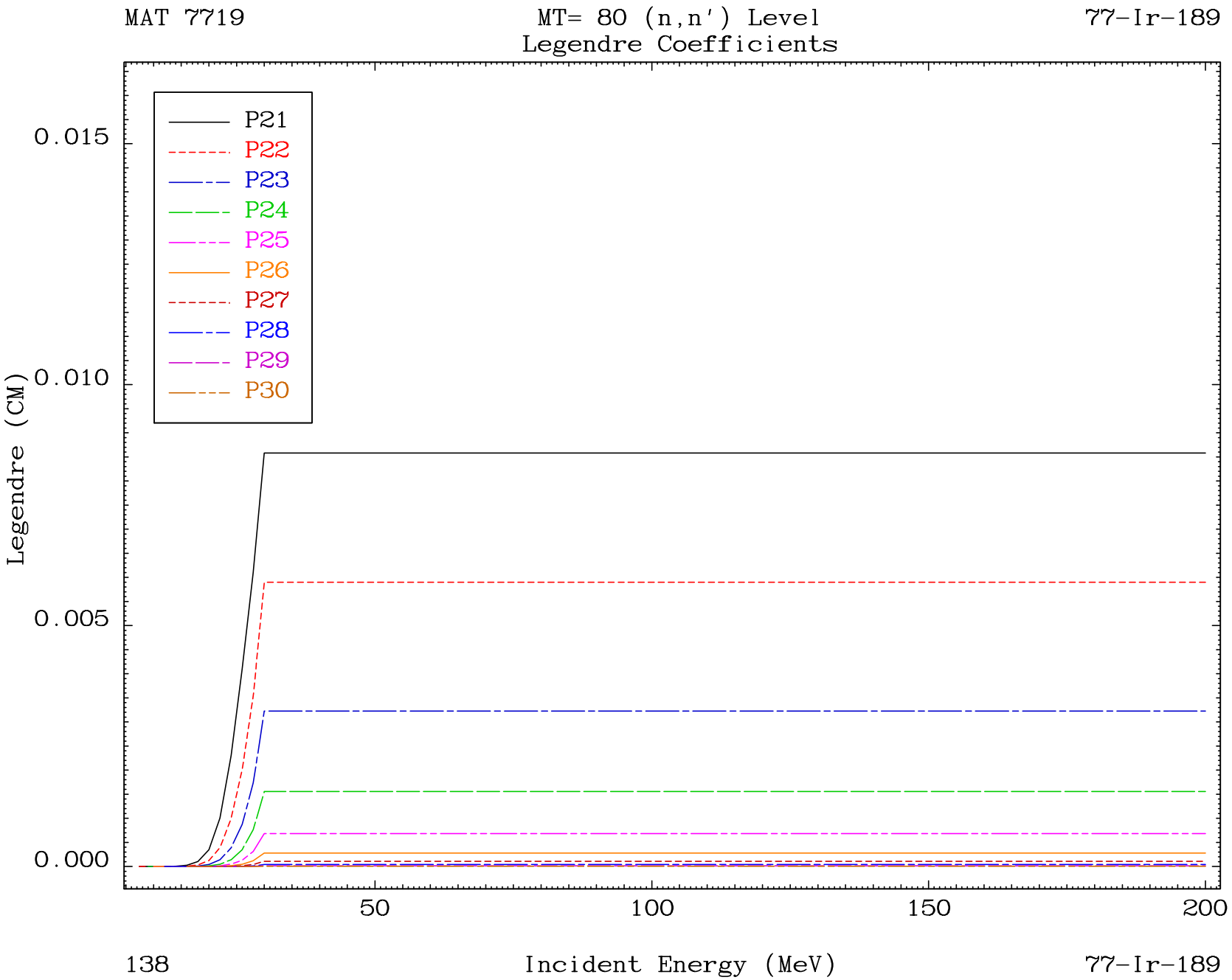

MAT 7719
MT= 79 (n,n') Level
Legendre Coefficients
77-Ir-189
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
133
Incident Energy (MeV)
77-Ir-189

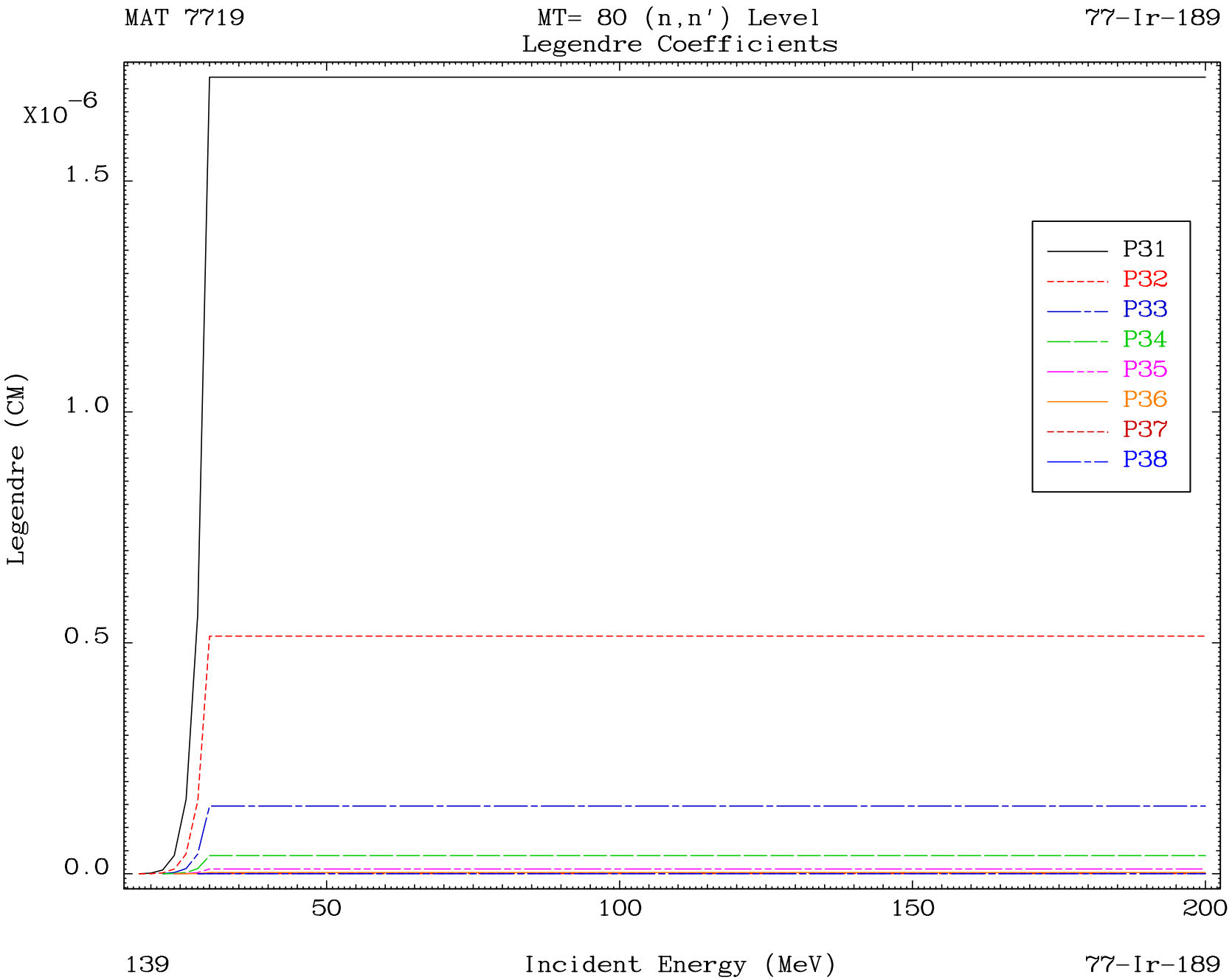

MAT 7719
MT= 79 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-3
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
134
Incident Energy (MeV)
77-Ir-189

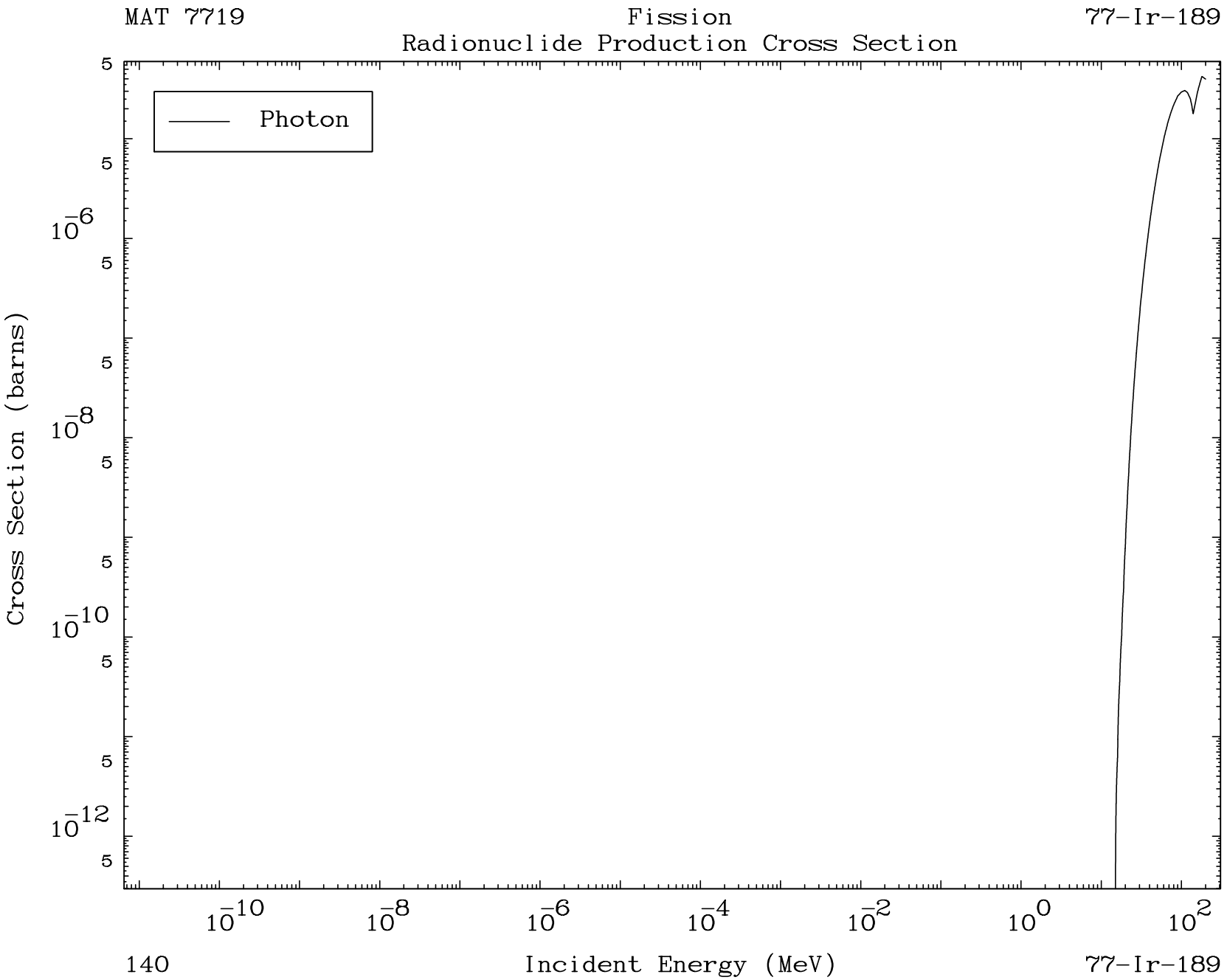

MAT 7719
MT= 79 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
135
Incident Energy (MeV)
77-Ir-189

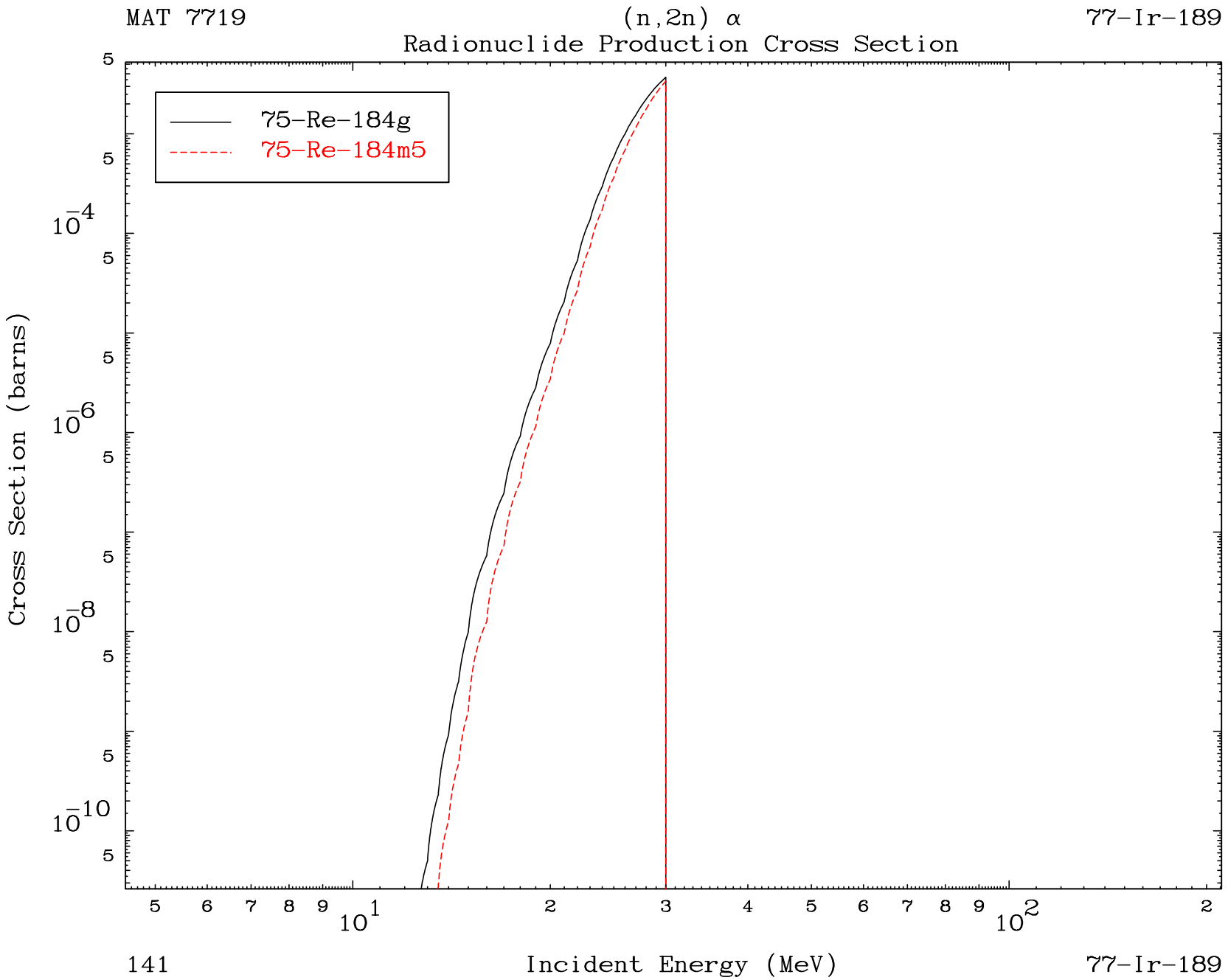

MAT 7719
MT= 80 (n,n') Level
Legendre Coefficients
77-Ir-189
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
136
Incident Energy (MeV)
77-Ir-189

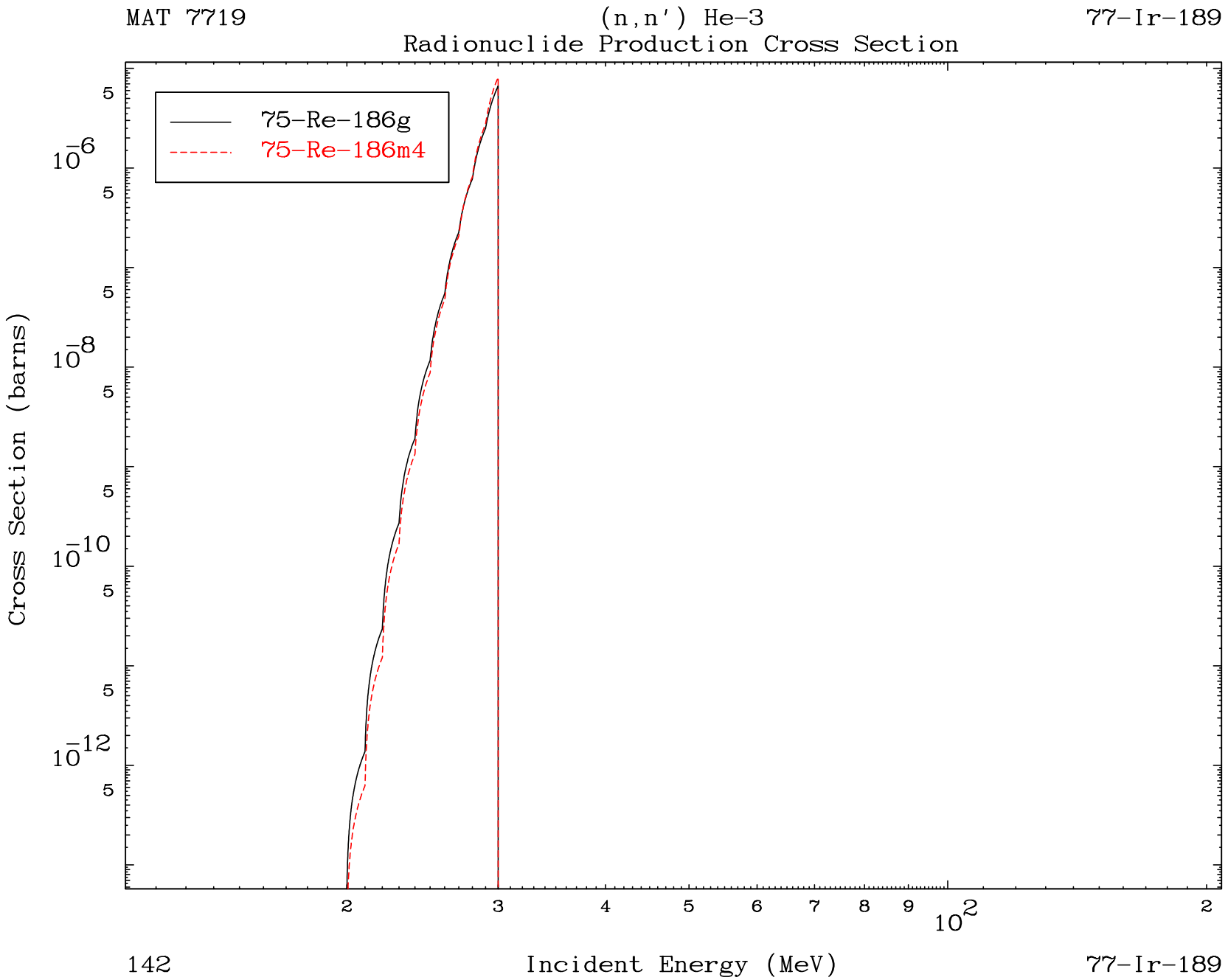

MAT 7719
MT= 80 (n,n') Level
Legendre Coefficients
77-Ir-189
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
137
Incident Energy (MeV)
77-Ir-189

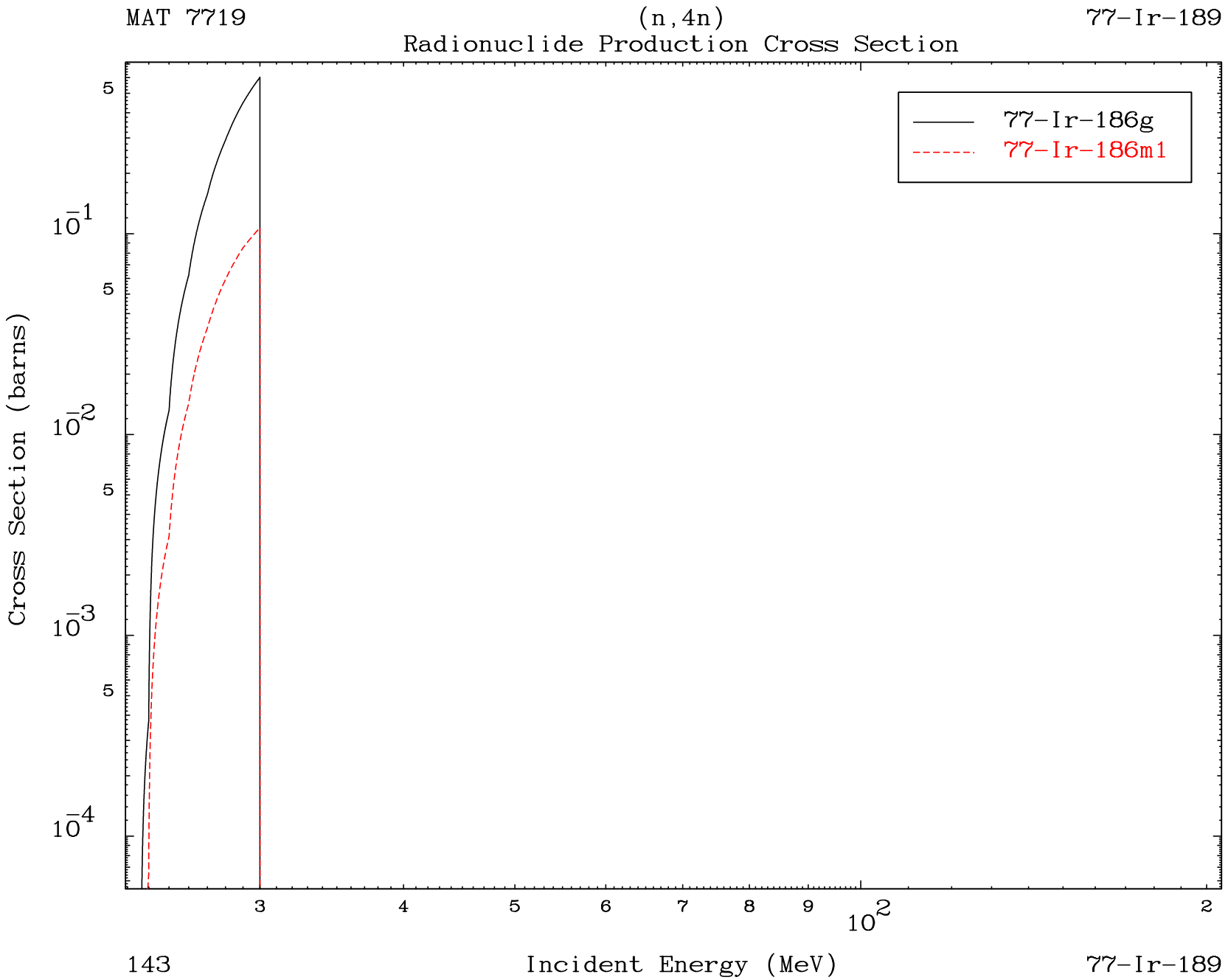

MAT 7719
MT= 80 (n,n') Level
Legendre Coefficients
77-Ir-189
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
138
Incident Energy (MeV)
77-Ir-189

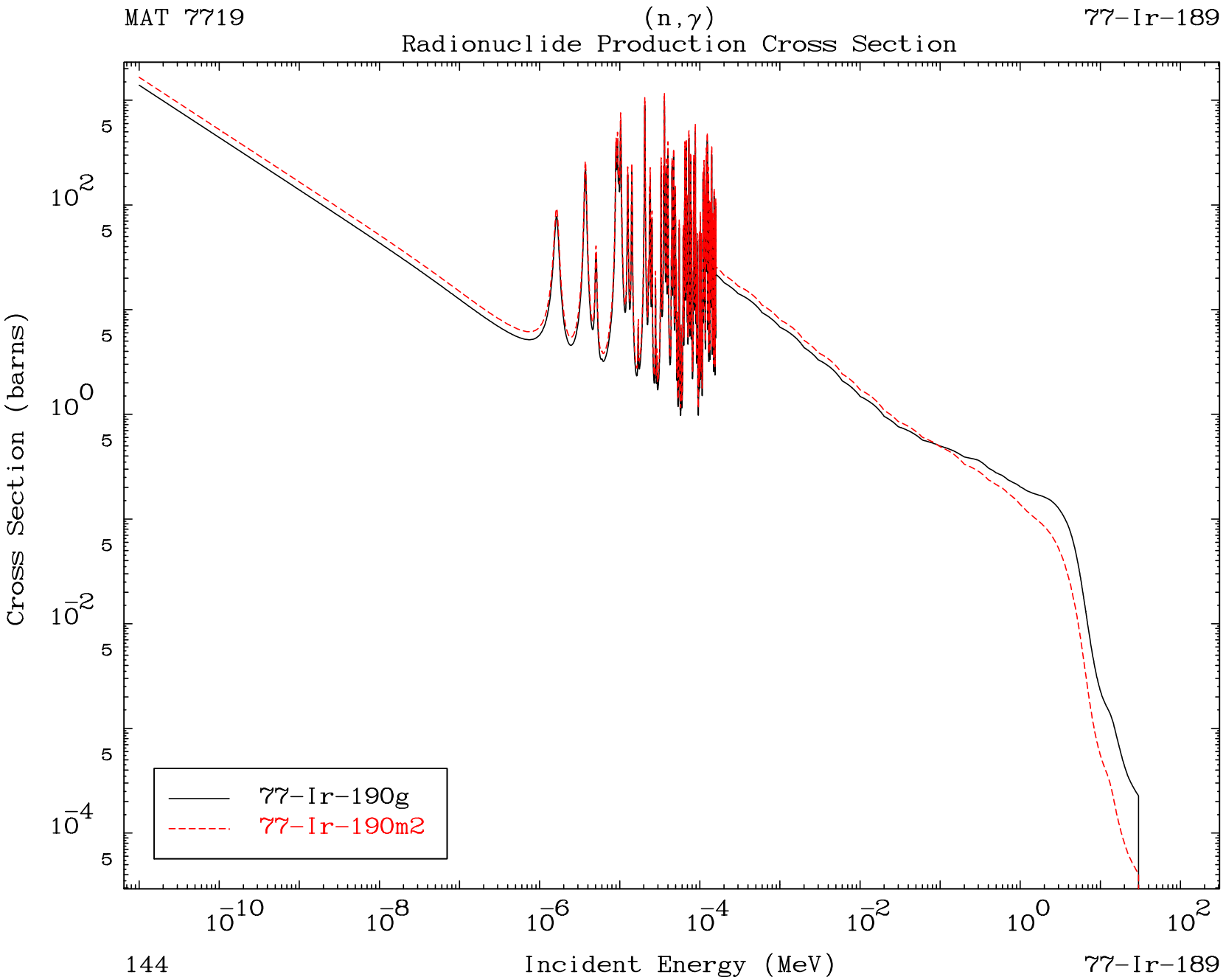

MAT 7719
MT= 80 (n,n') Level
Legendre Coefficients
77-Ir-189
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
139
Incident Energy (MeV)
77-Ir-189

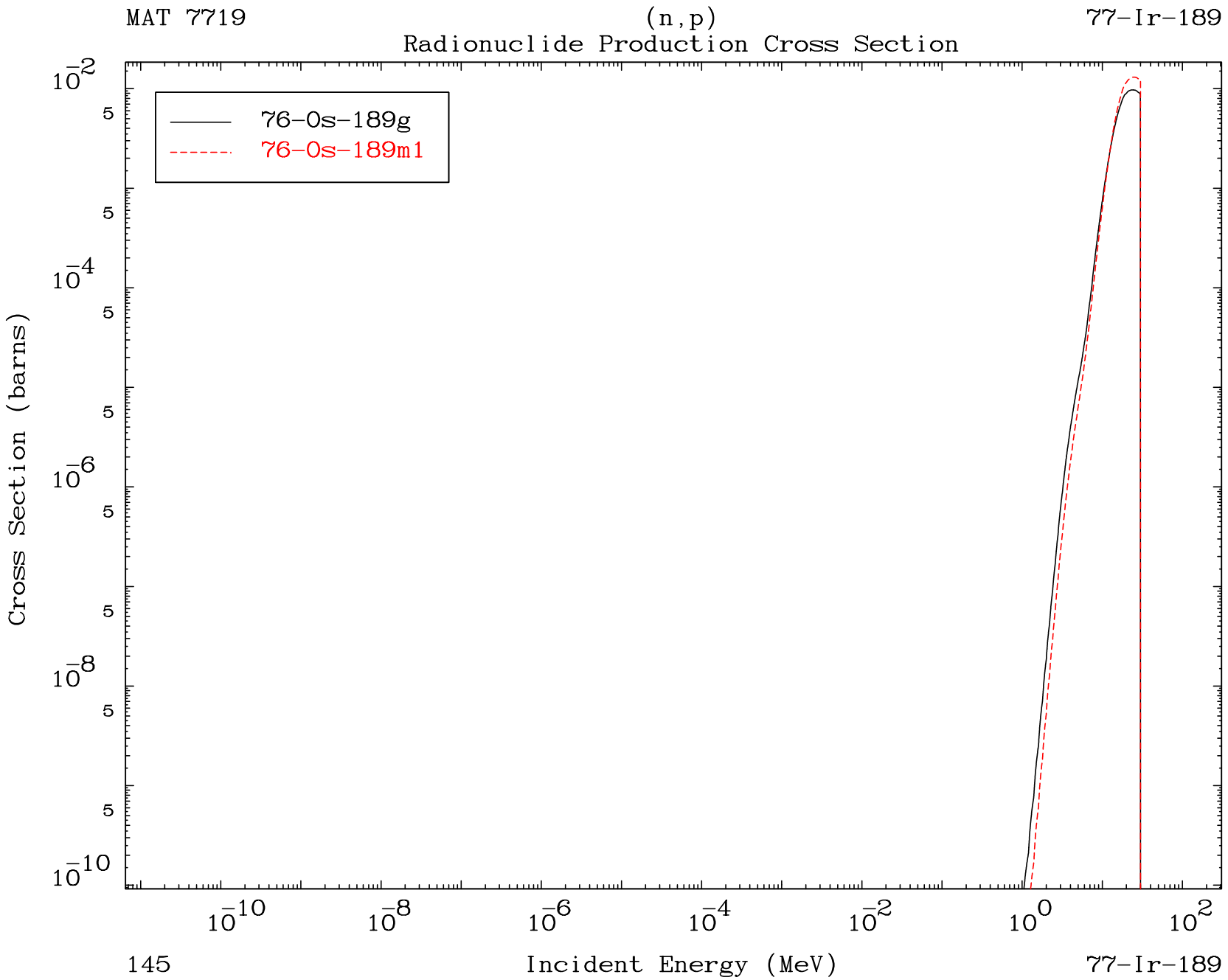

MAT 7719
Fission
77-Ir-189
Radionuclide Production Cross Section
Photon
Cross Section (barns)
Incident Energy (MeV)
140
77-Ir-189

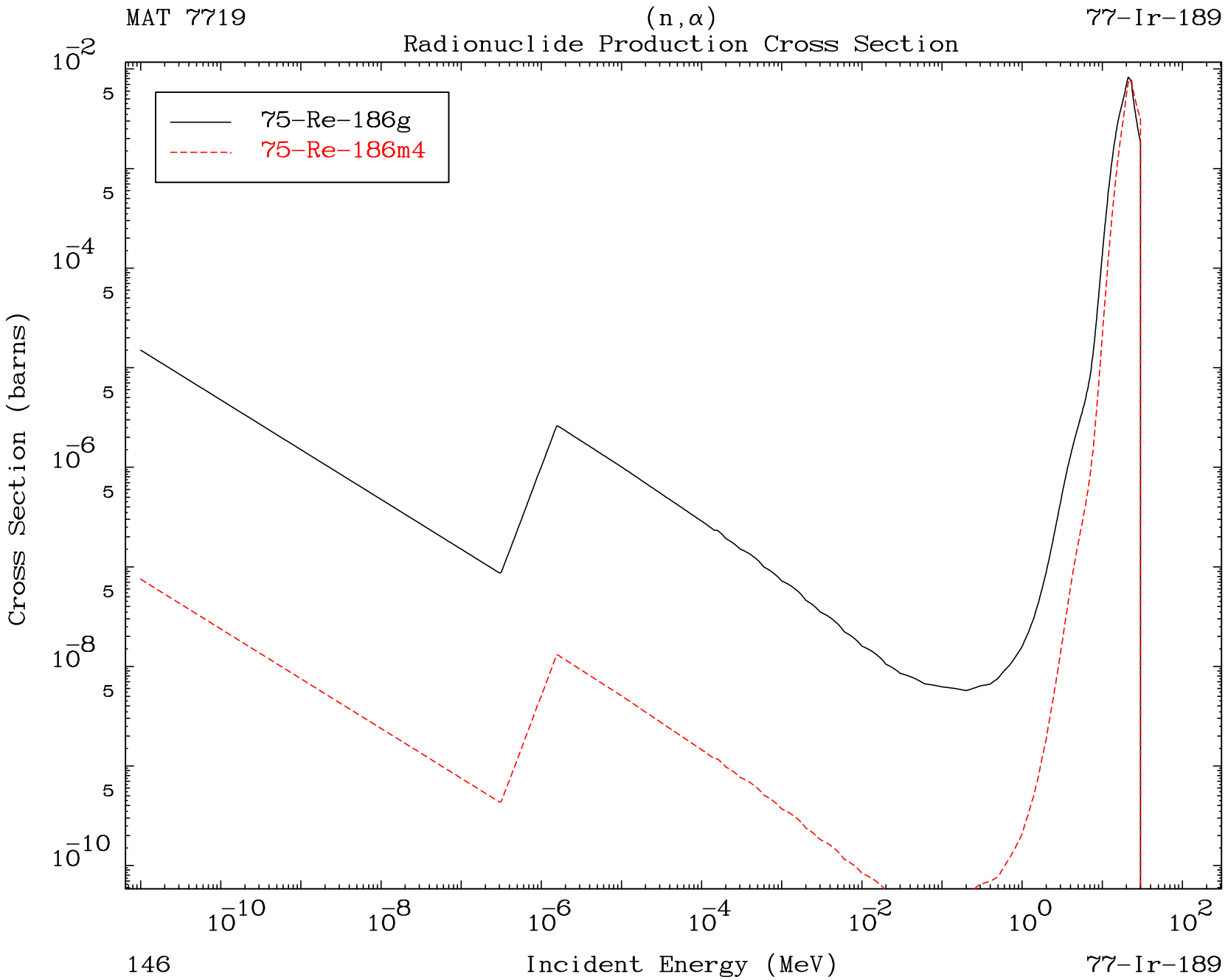

MAT 7719
(n,2n) α
77-Ir-189
Radionuclide Production Cross Section
75-Re-184g
75-Re-184m5
Cross Section (barns)
Incident Energy (MeV)
141
77-Ir-189

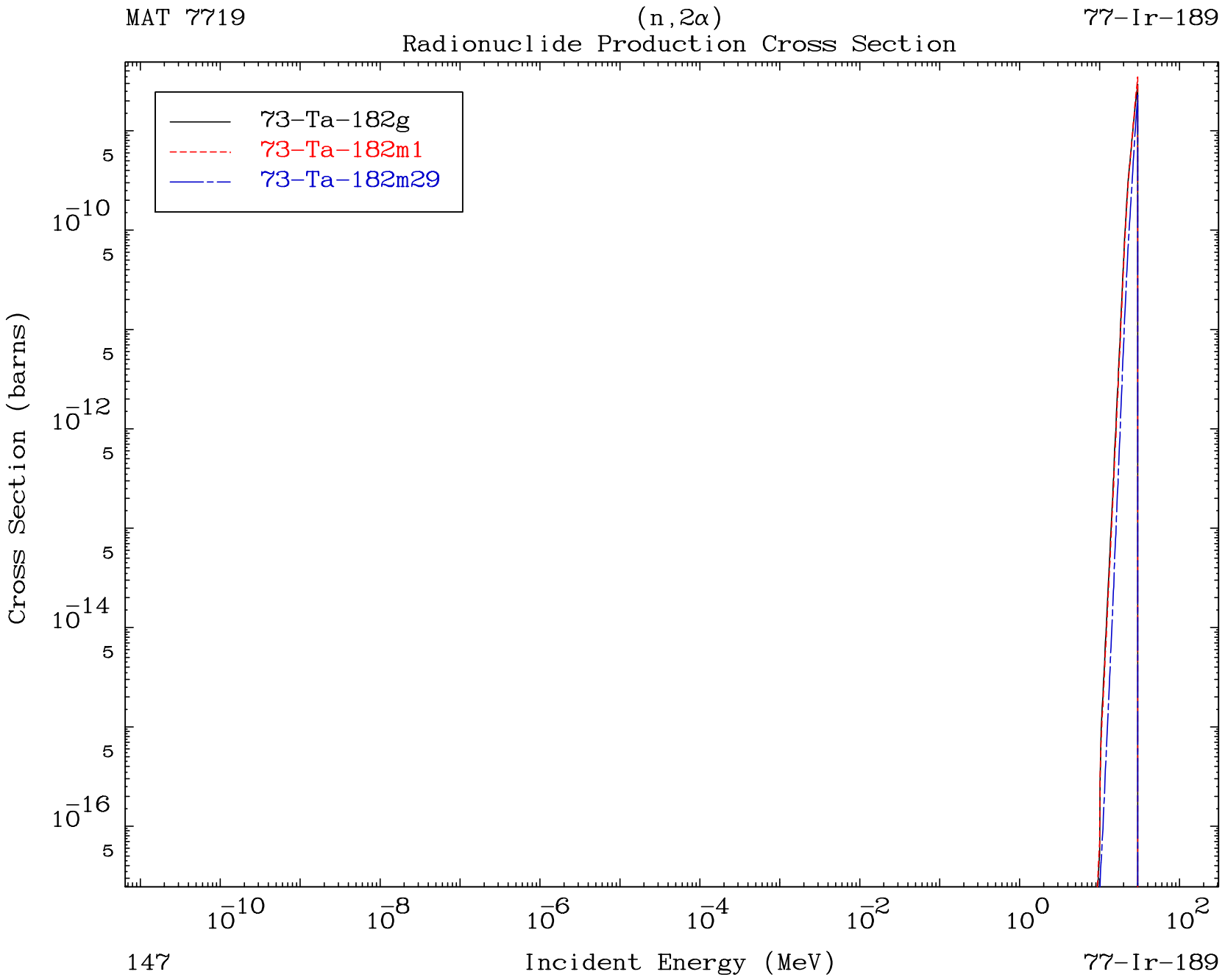

MAT 7719
(n,n') He-3
77-Ir-189
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
142
Incident Energy (MeV)
77-Ir-189

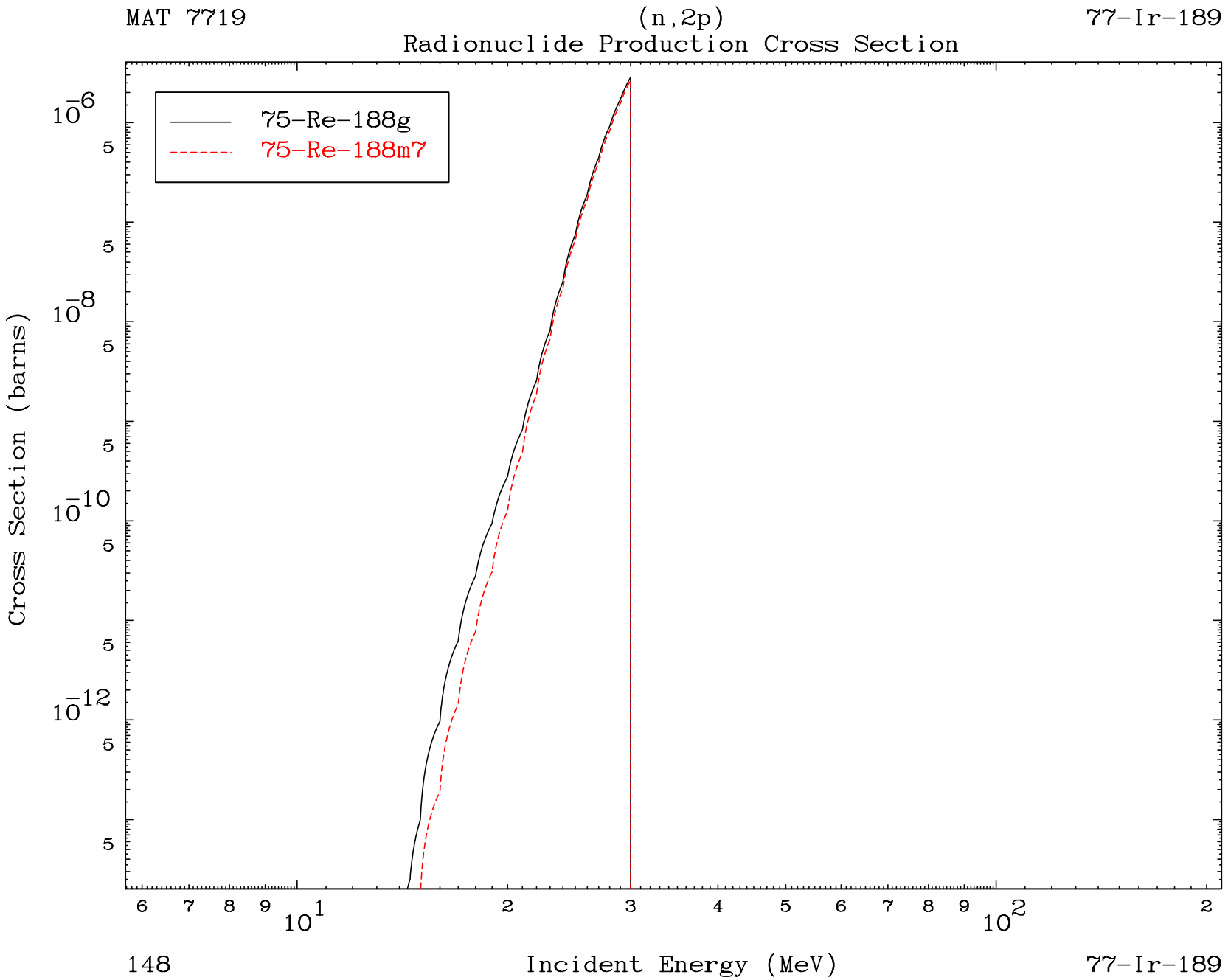

MAT 7719
(n,4n)
77-Ir-189
Radionuclide Production Cross Section
77-Ir-186g
77-Ir-186m1
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
3
4
5
6
7
8
9
10 2
2
143
Incident Energy (MeV)
77-Ir-189

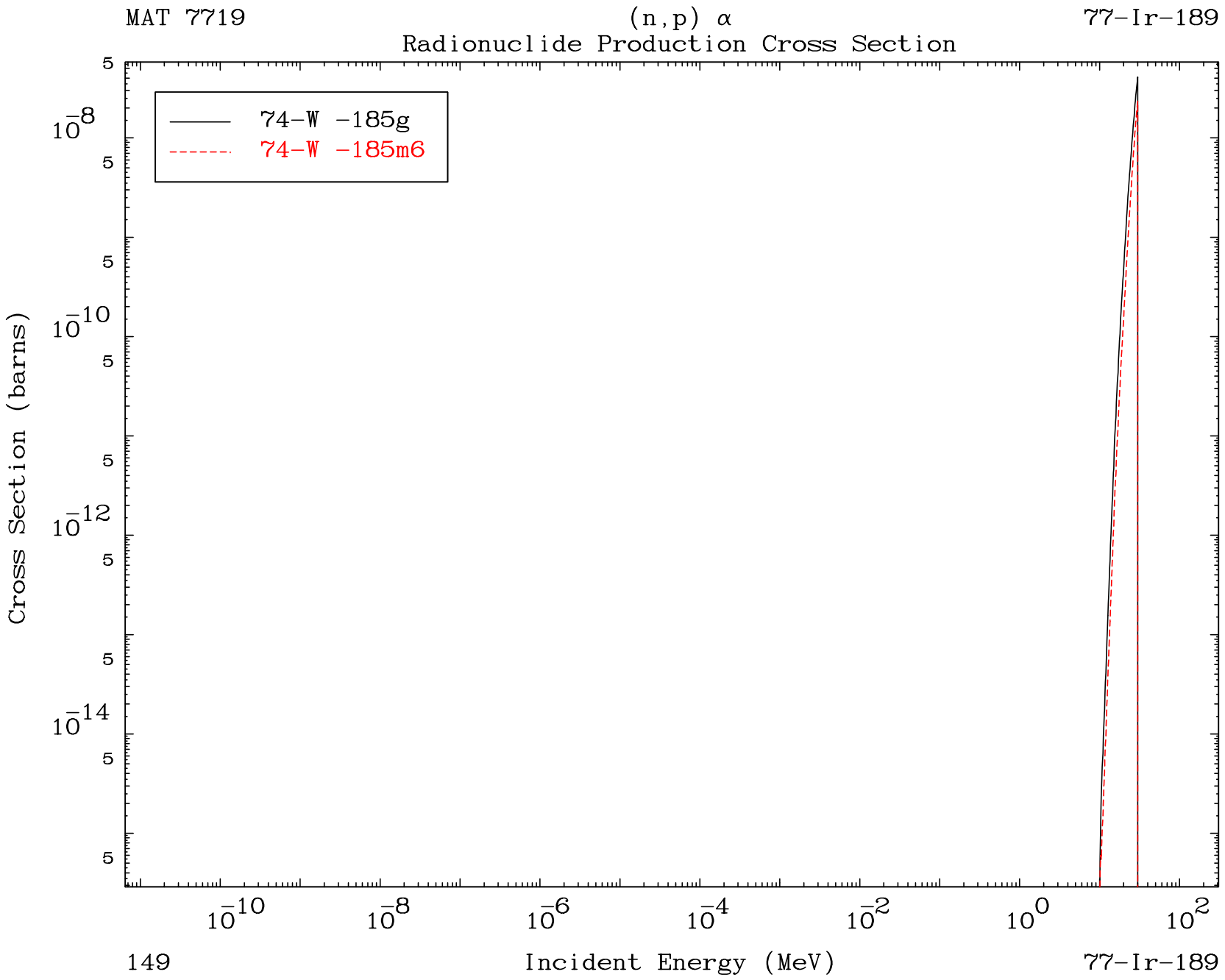

MAT 7719
(n,γ)
77-Ir-189
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
Incident Energy (MeV)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
77-Ir-190g
77-Ir-190m2
144
77-Ir-189

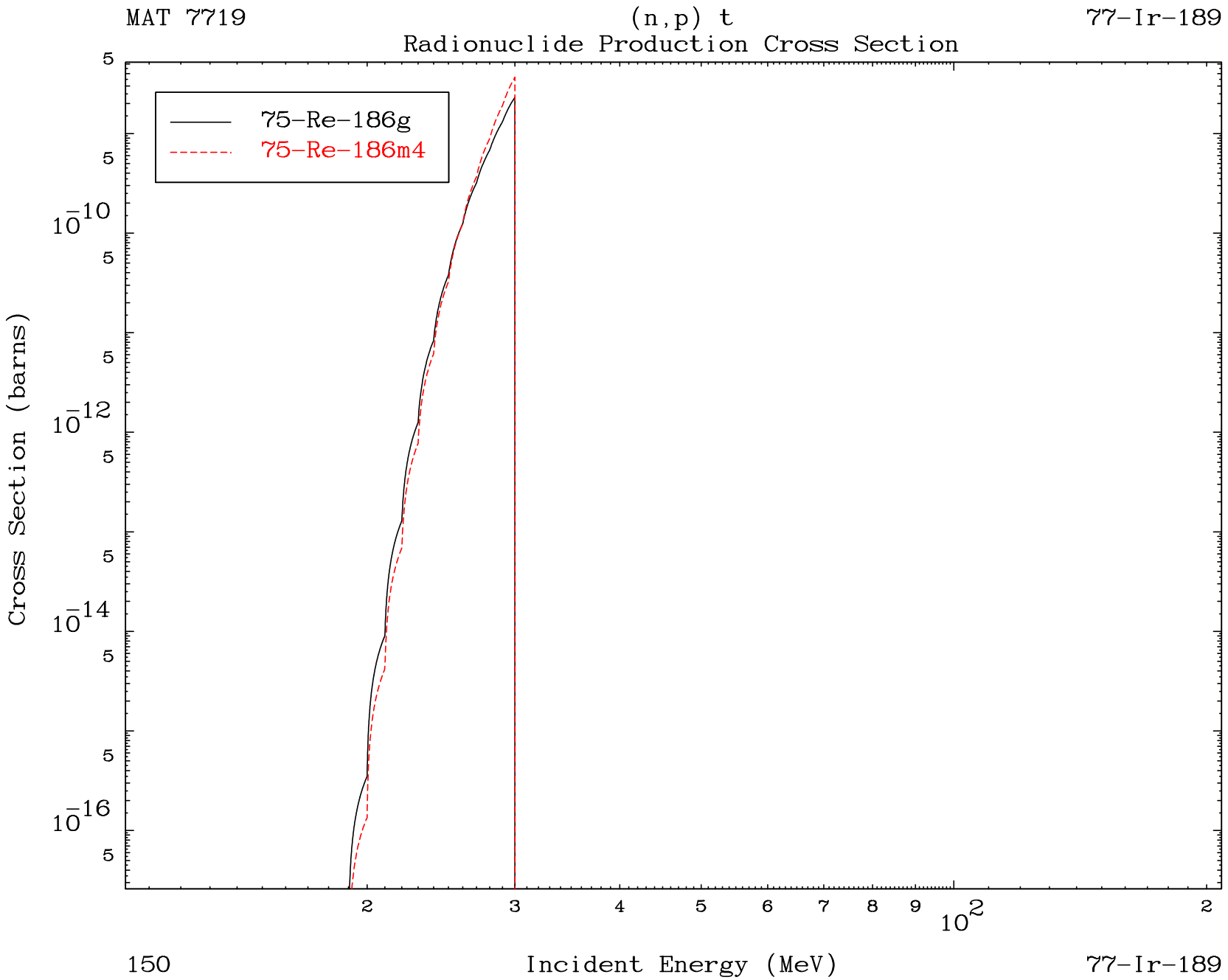

MAT 7719
(n,p)
77-Ir-189
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
145
77-Ir-189


MAT 7719
(n,α)
77-Ir-189
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
Incident Energy (MeV)
146
77-Ir-189


MAT 7719
(n,2α)
77-Ir-189
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
147
Incident Energy (MeV)
77-Ir-189


MAT 7719
(n,2p)
77-Ir-189
Radionuclide Production Cross Section
75-Re-188g
75-Re-188m7
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
148
Incident Energy (MeV)
77-Ir-189


MAT 7719
(n,p) α
77-Ir-189
Radionuclide Production Cross Section
74-W -185g
74-W -185m6
Cross Section (barns)
Incident Energy (MeV)
149
77-Ir-189


MAT 7719
(n,p) t
77-Ir-189
Radionuclide Production Cross Section
75-Re-186g
75-Re-186m4
Cross Section (barns)
Incident Energy (MeV)
150
77-Ir-189