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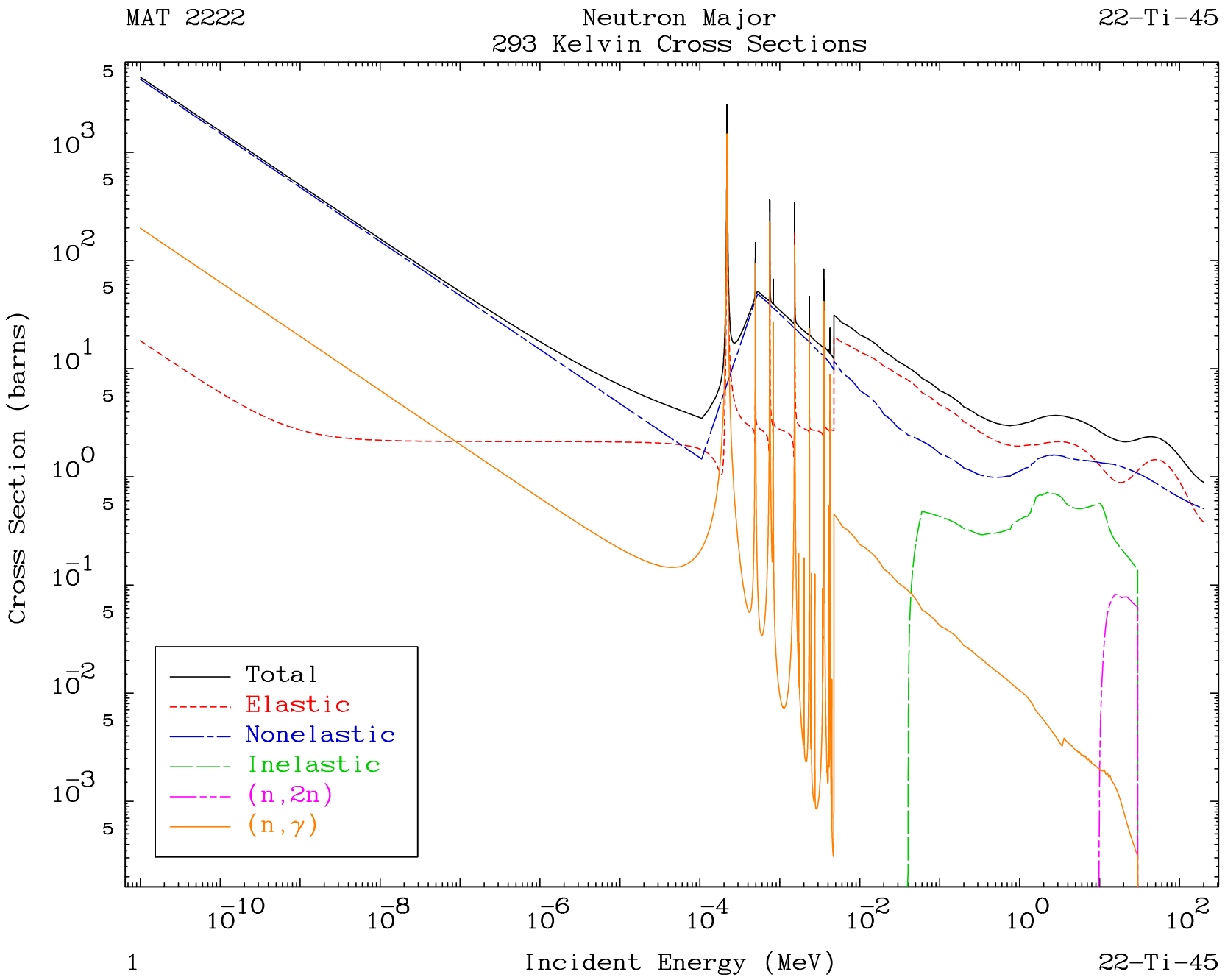
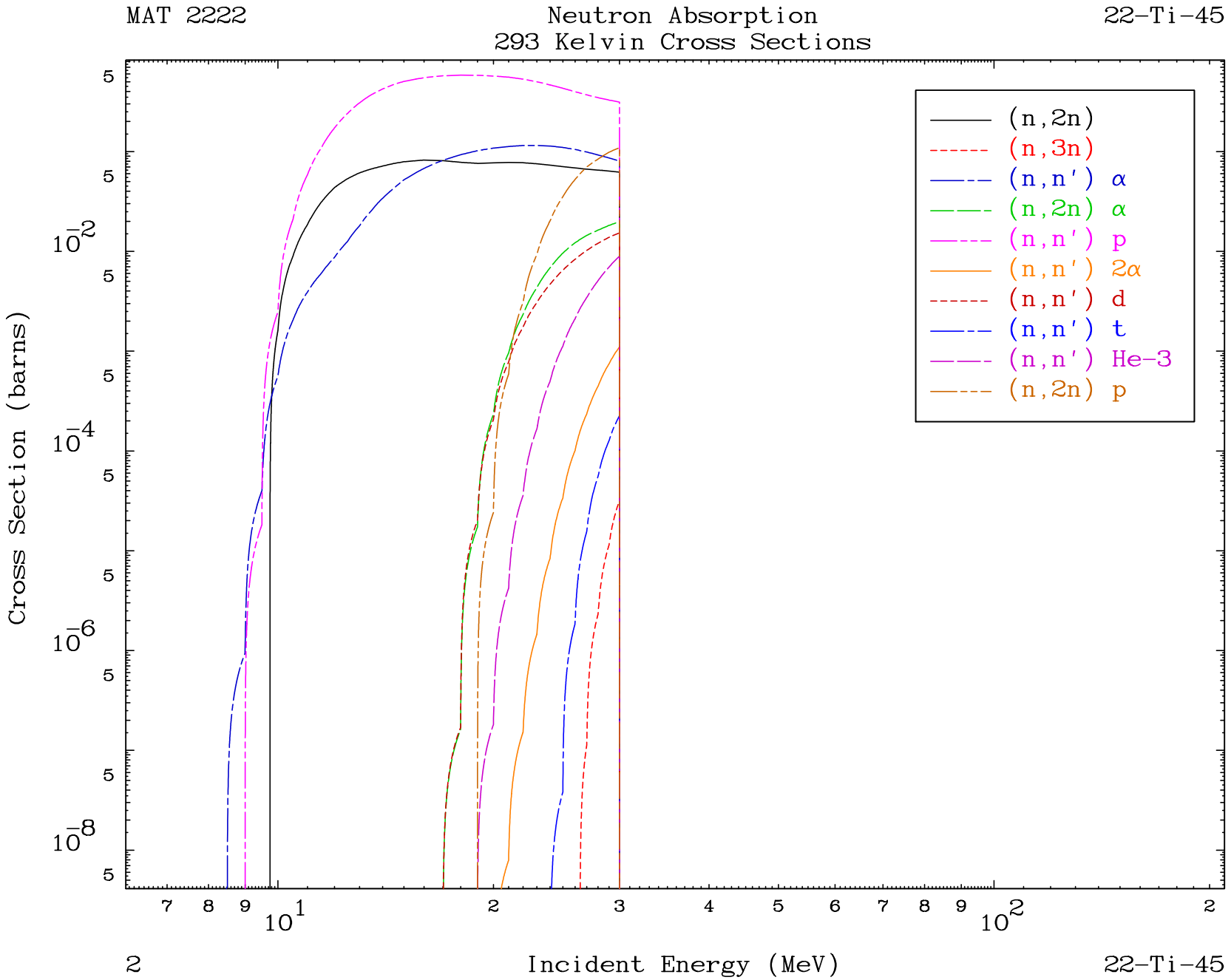
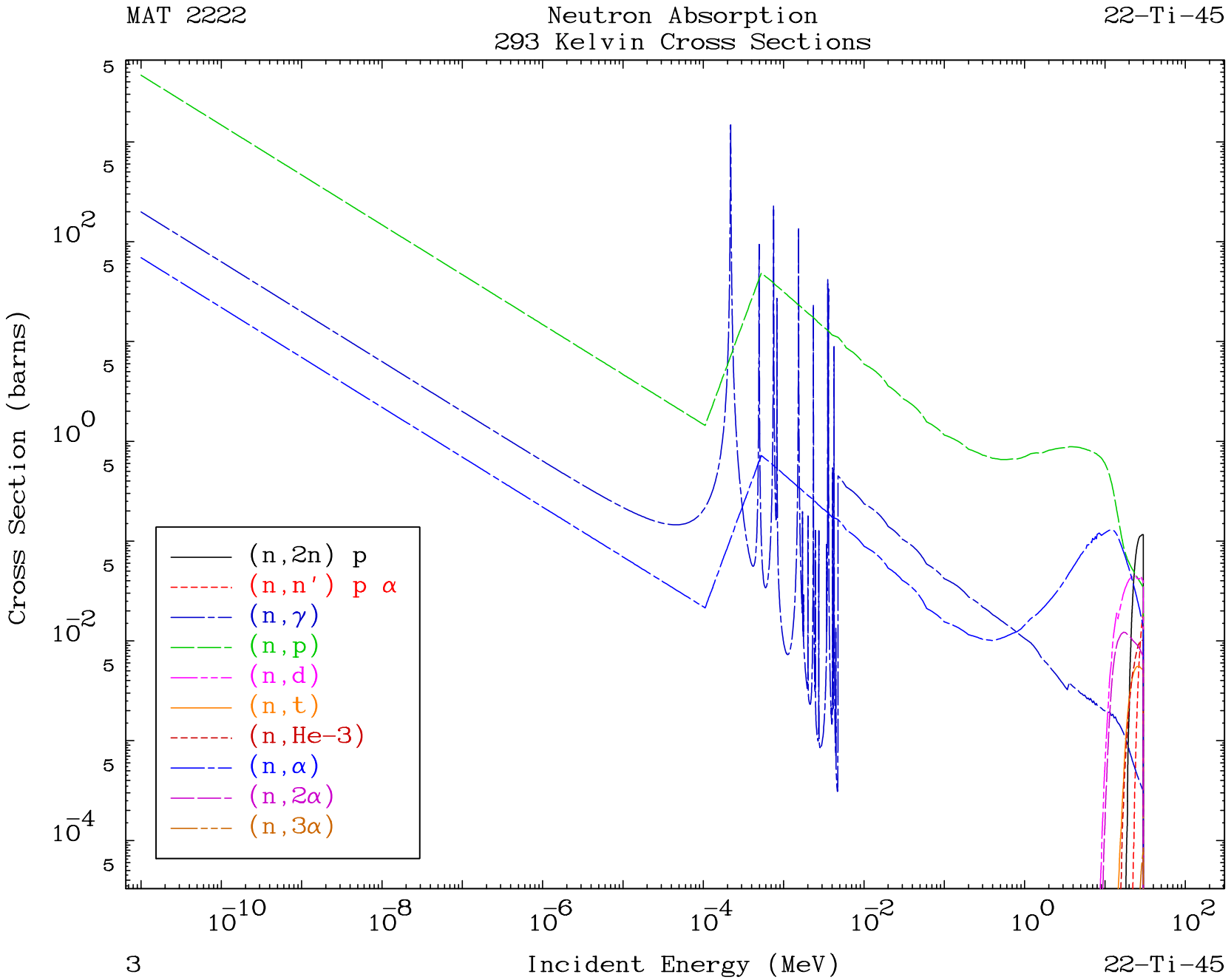
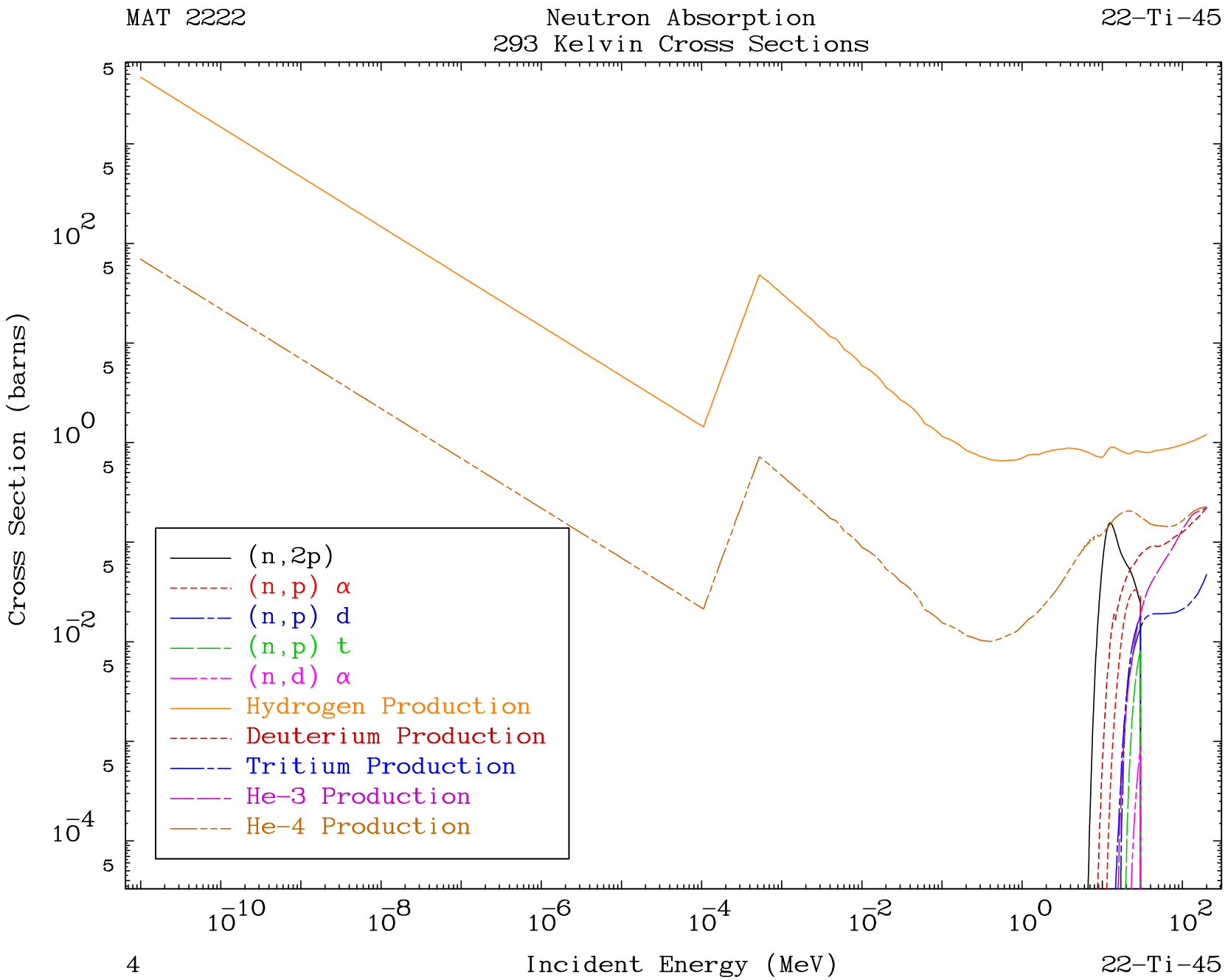
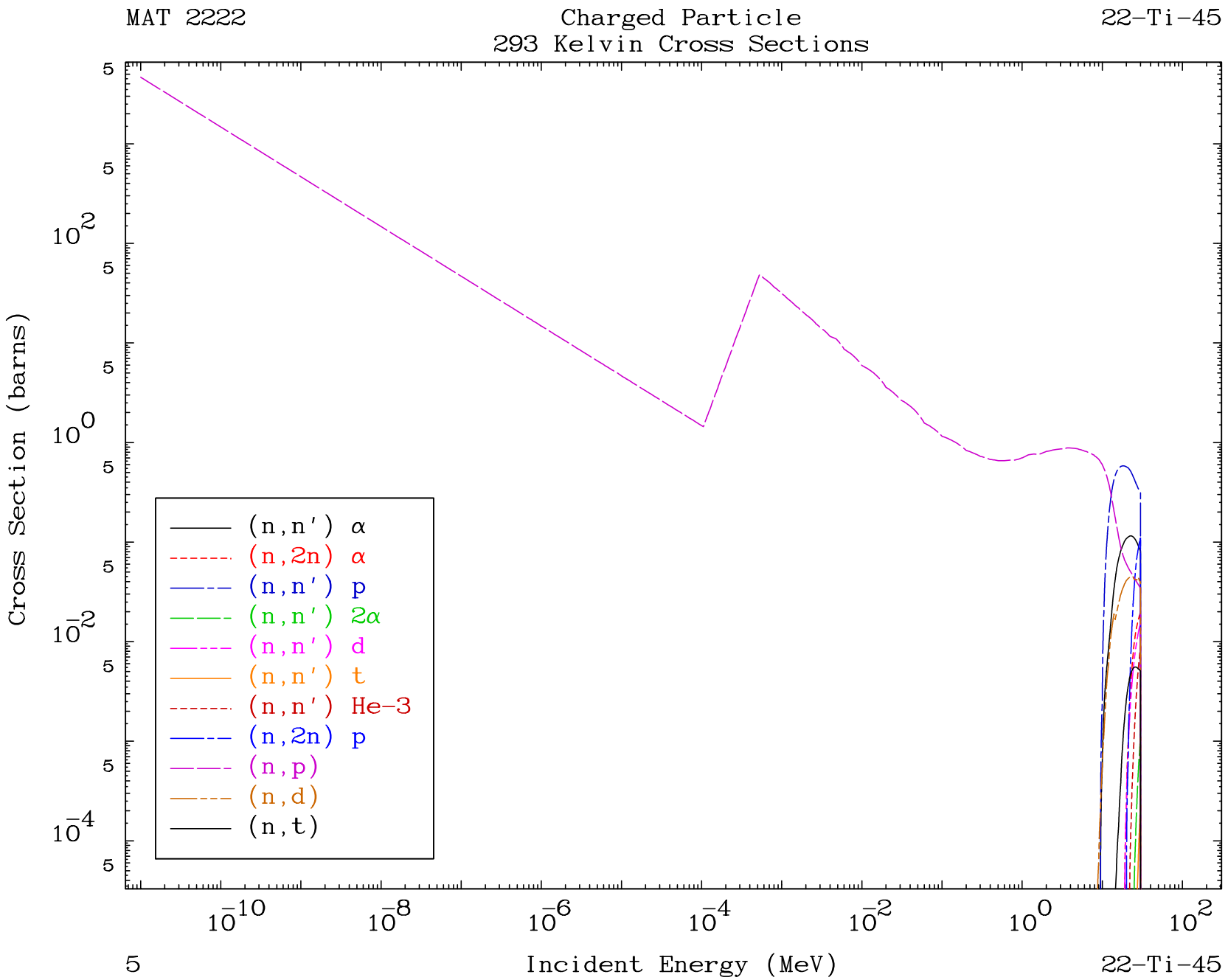
Press Mouse Button to Start

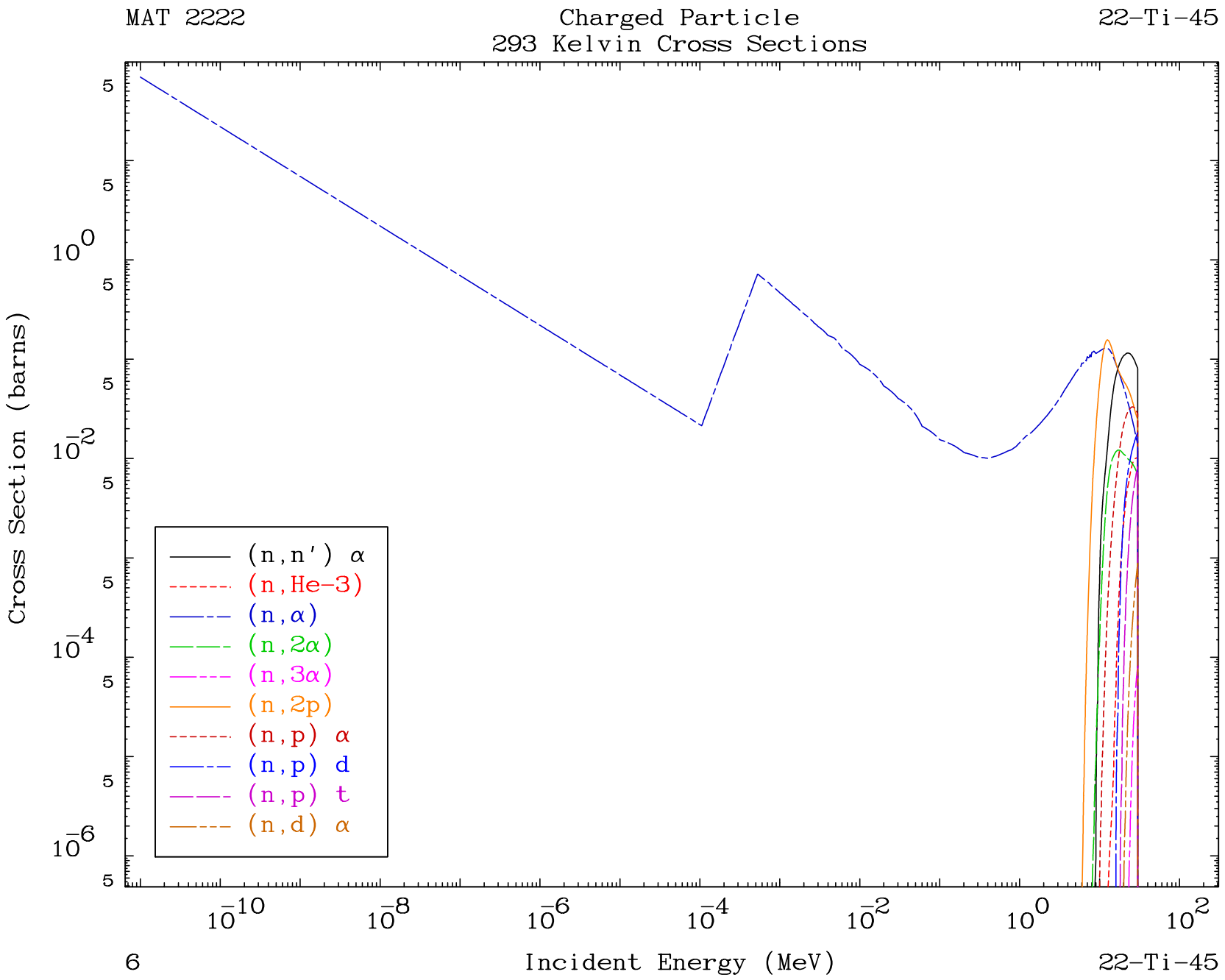

MAT 2222
Neutron Major
293 Kelvin Cross Sections
22-Ti-45
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
1
22-Ti-45

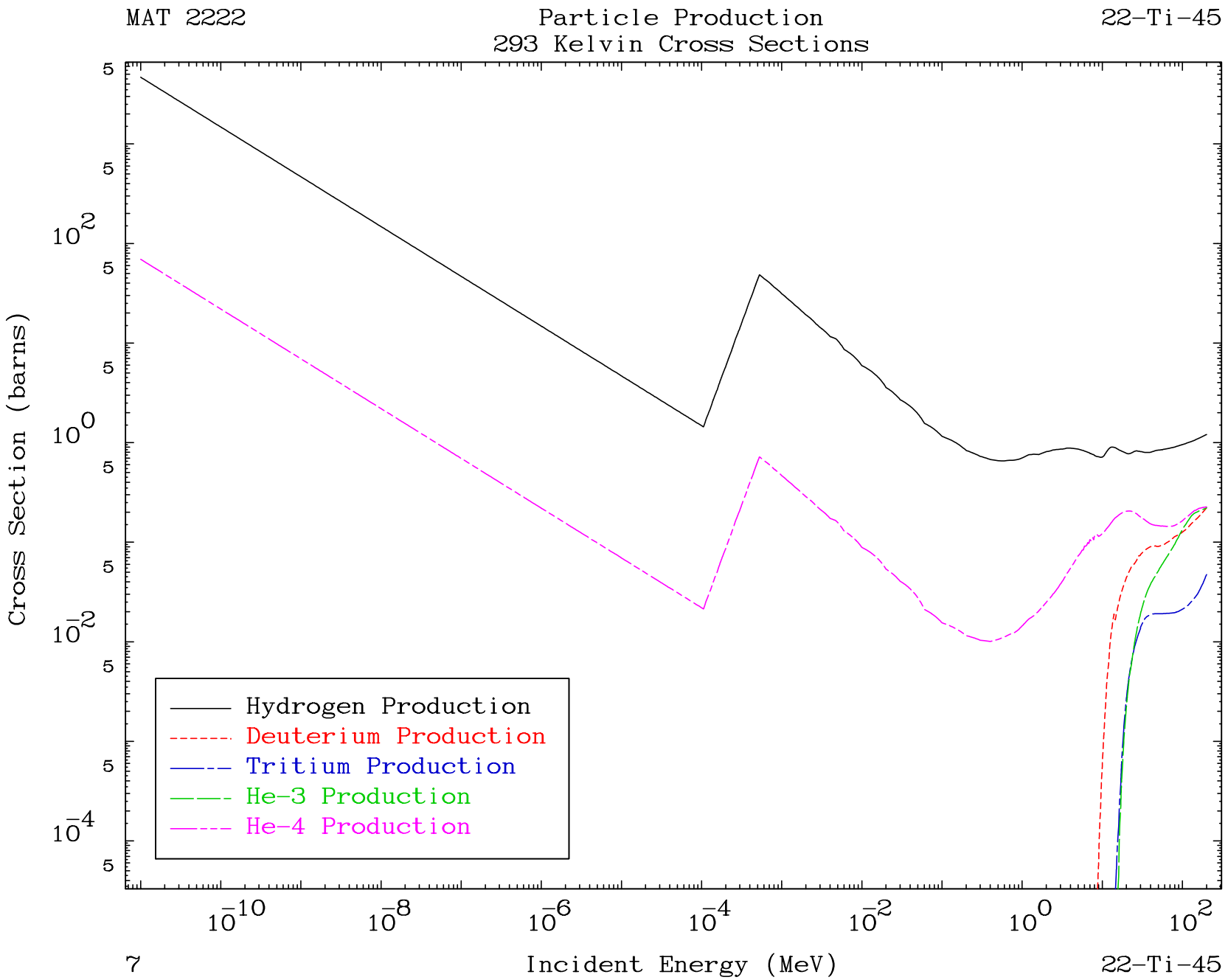

MAT 2222
Neutron Absorption
293 Kelvin Cross Sections
22-Ti-45
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
22-Ti-45

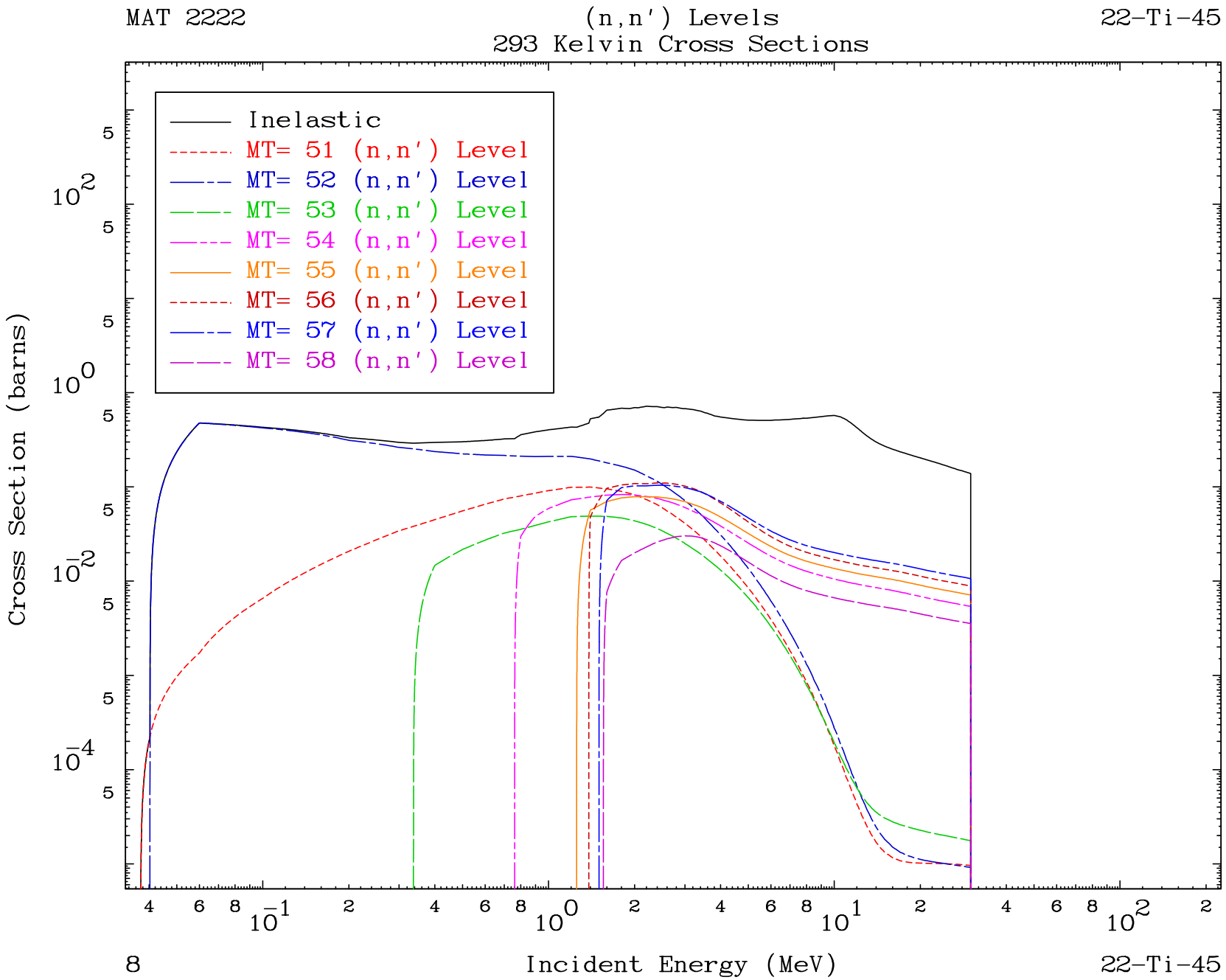

MAT 2222
Neutron Absorption
293 Kelvin Cross Sections
22-Ti-45
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
3
22-Ti-45

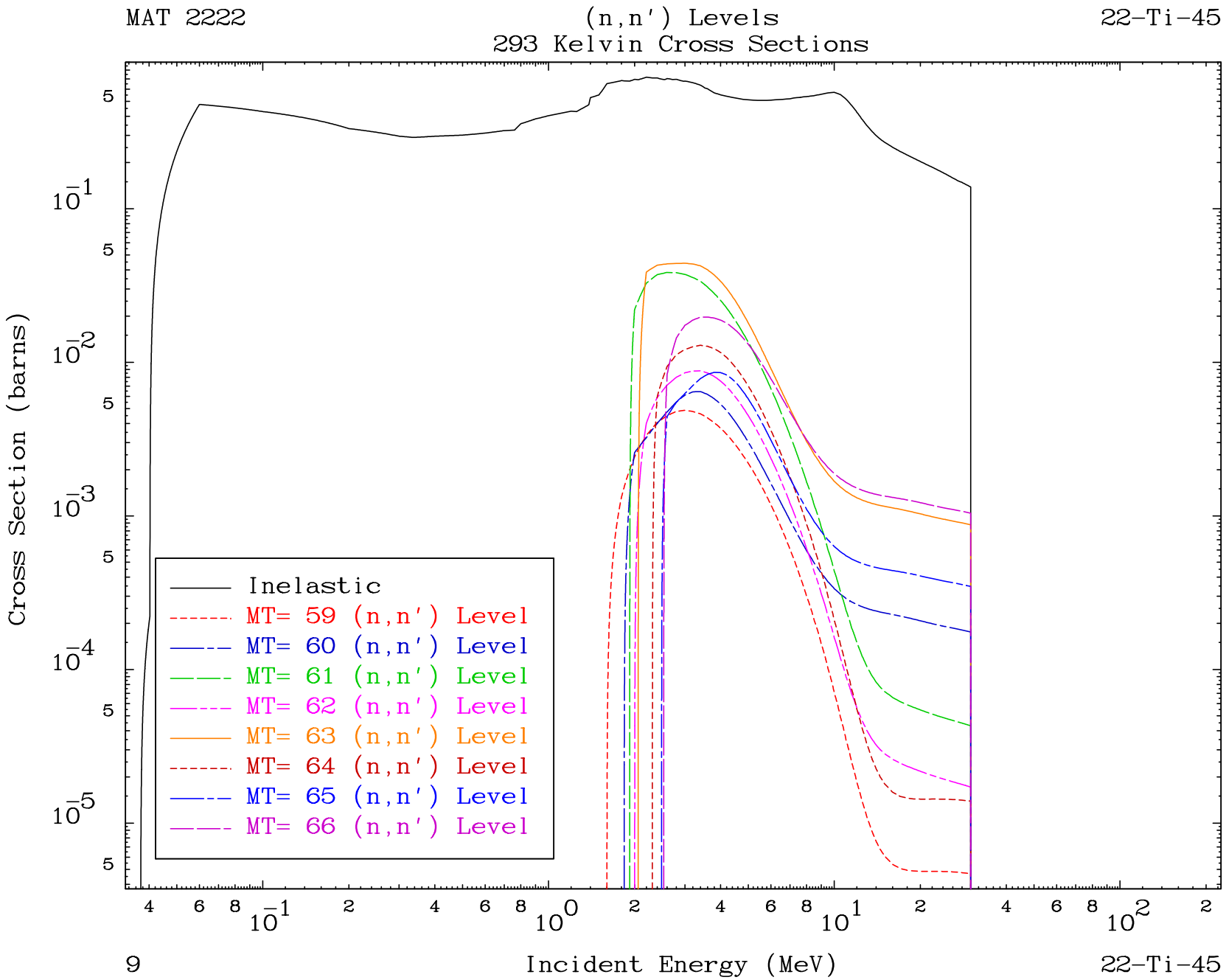

MAT 2222
Neutron Absorption
293 Kelvin Cross Sections
22-Ti-45
Cross Section (barns)
Incident Energy (MeV)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
4
22-Ti-45

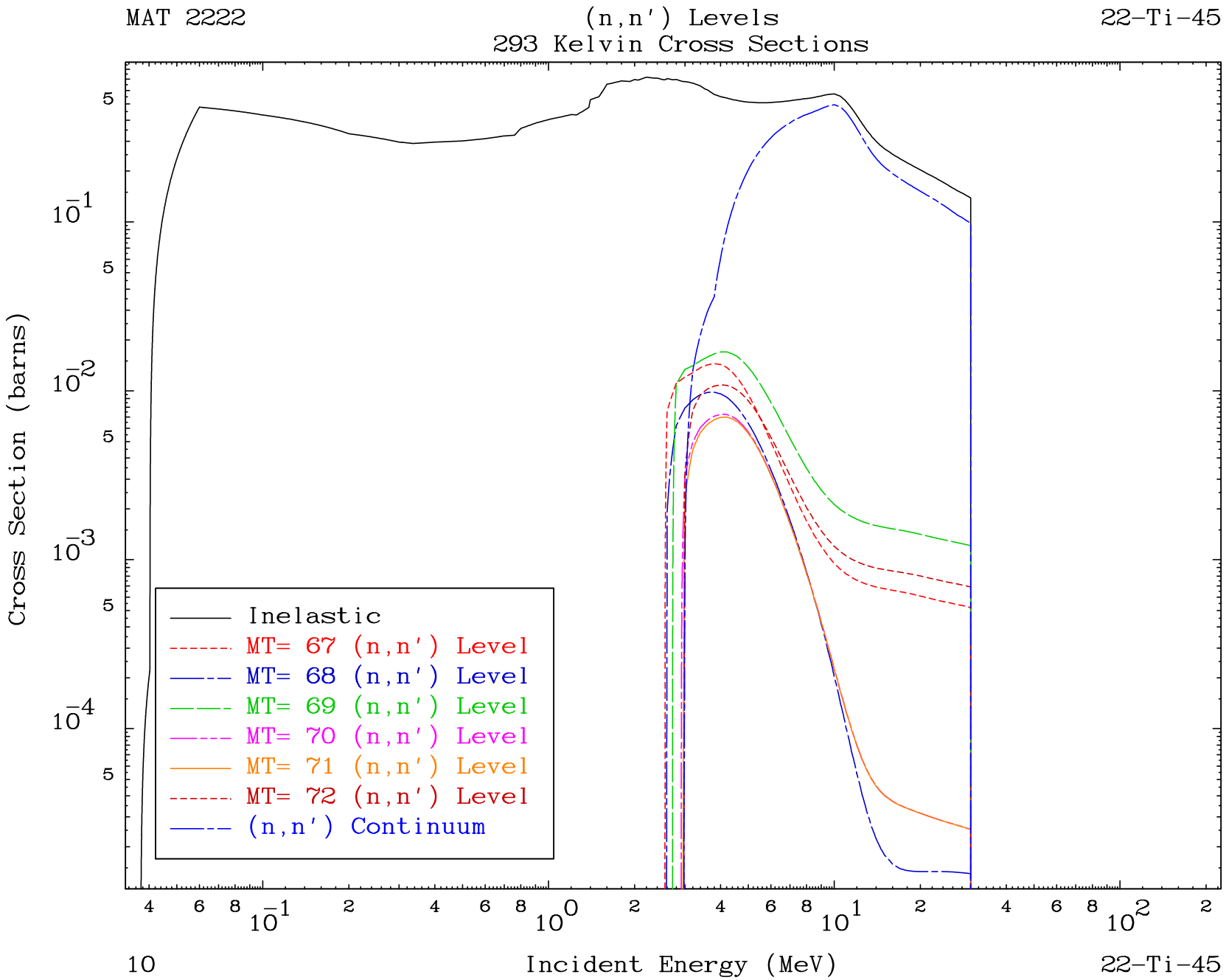

MAT 2222
Charged Particle
22-Ti-45
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
22-Ti-45
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)

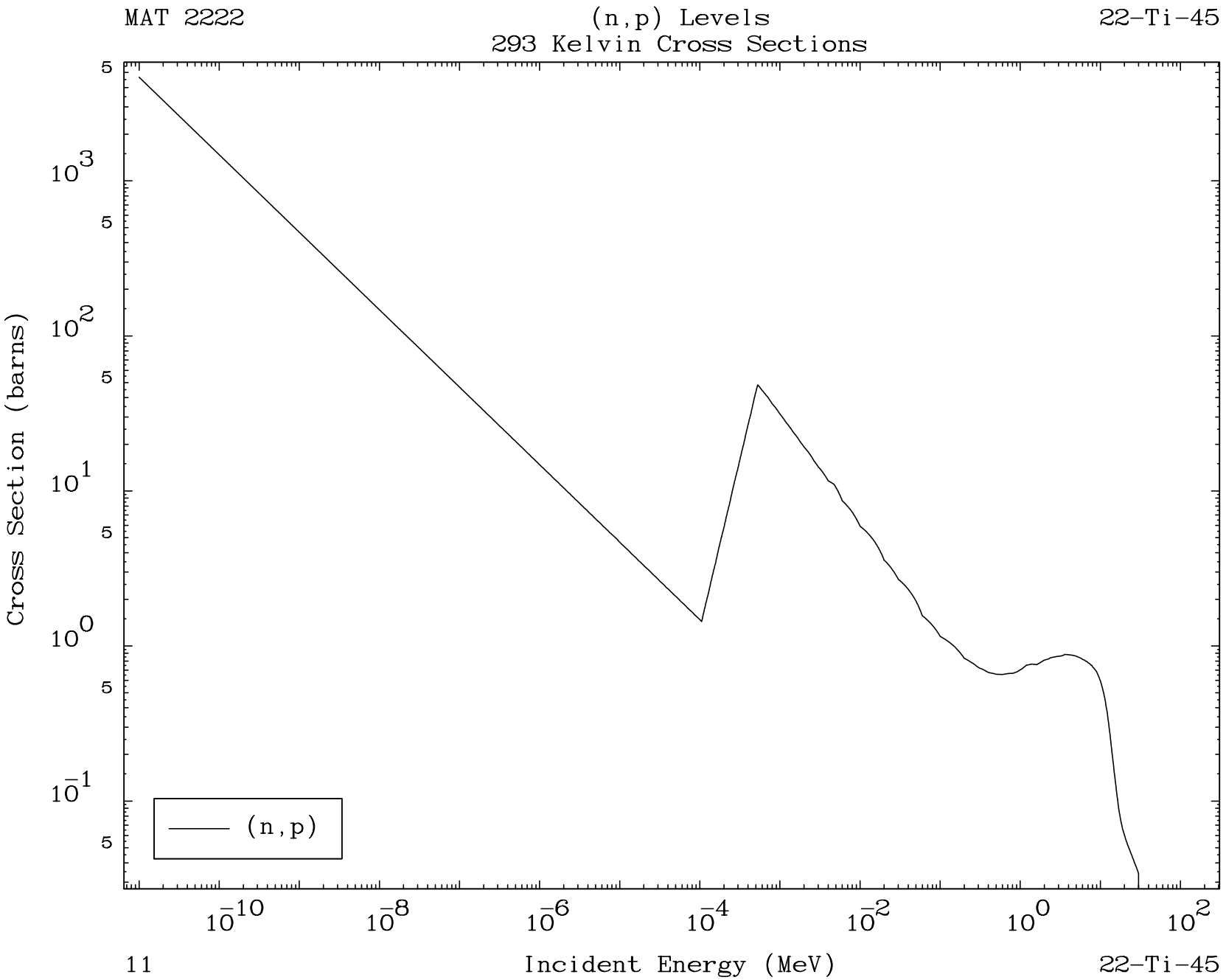

MAT 2222
Charged Particle
22-Ti-45
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6
22-Ti-45

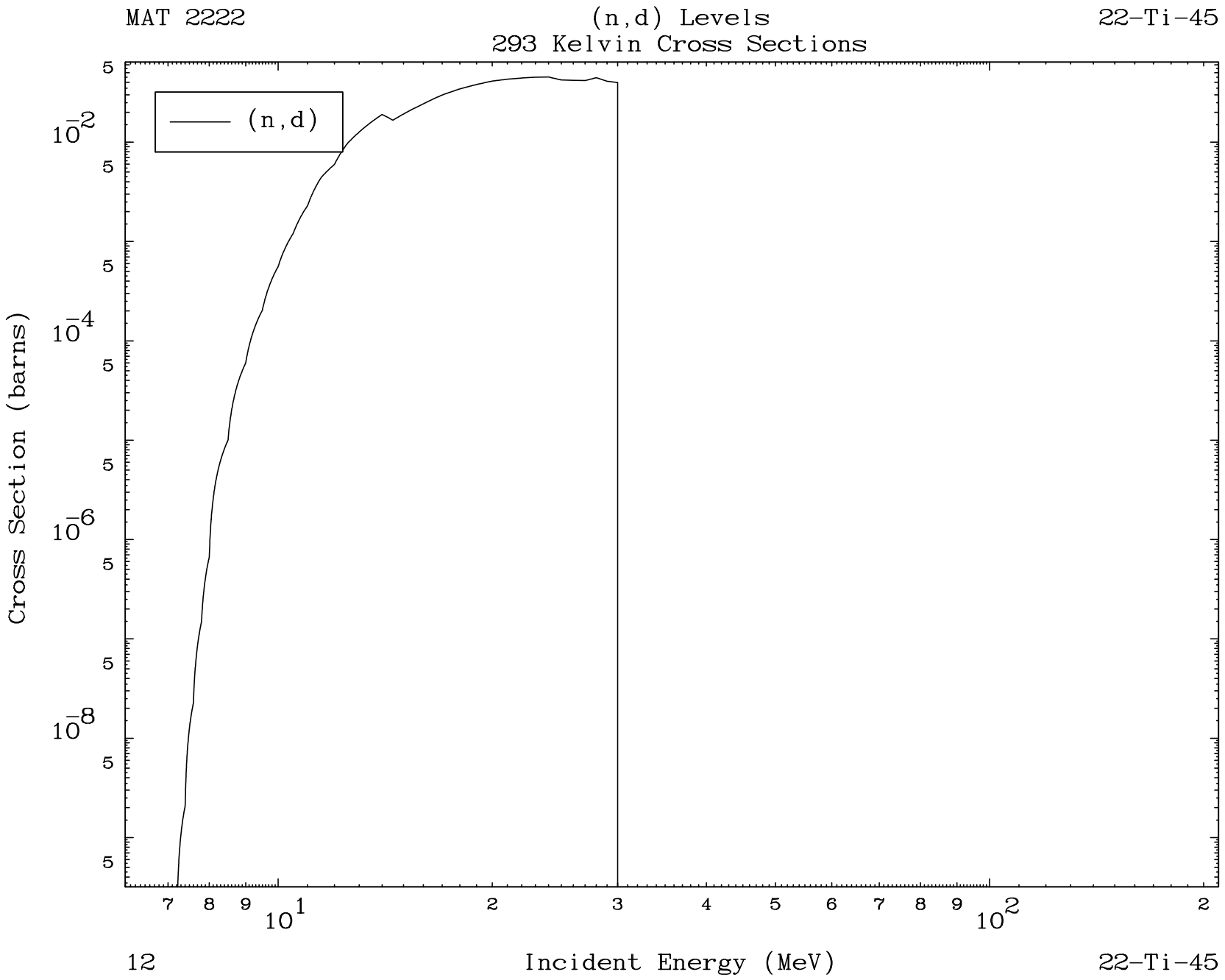

MAT 2222
Particle Production
293 Kelvin Cross Sections
22-Ti-45
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
22-Ti-45

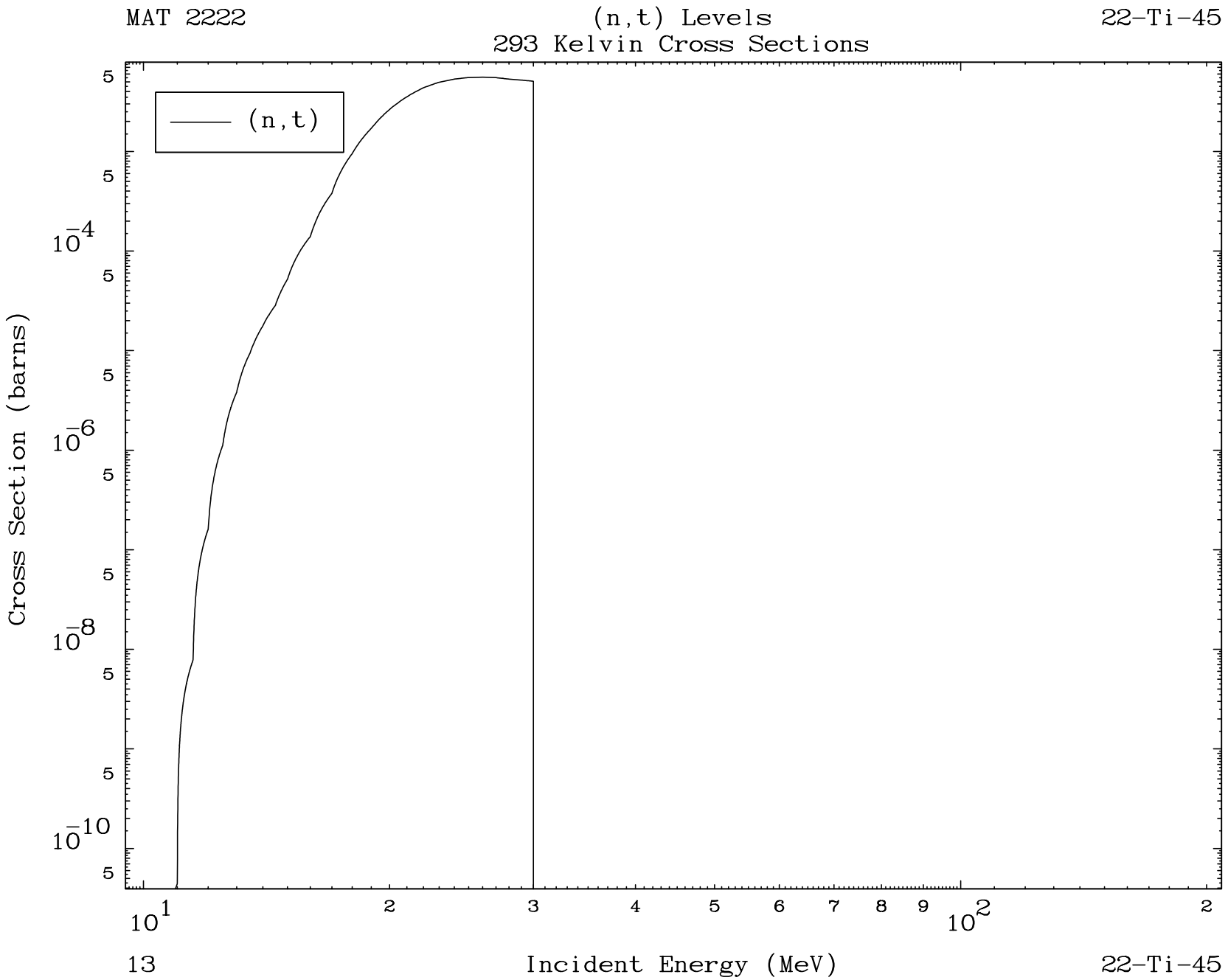

MAT 2222
(n,n') Levels
22-Ti-45
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
22-Ti-45

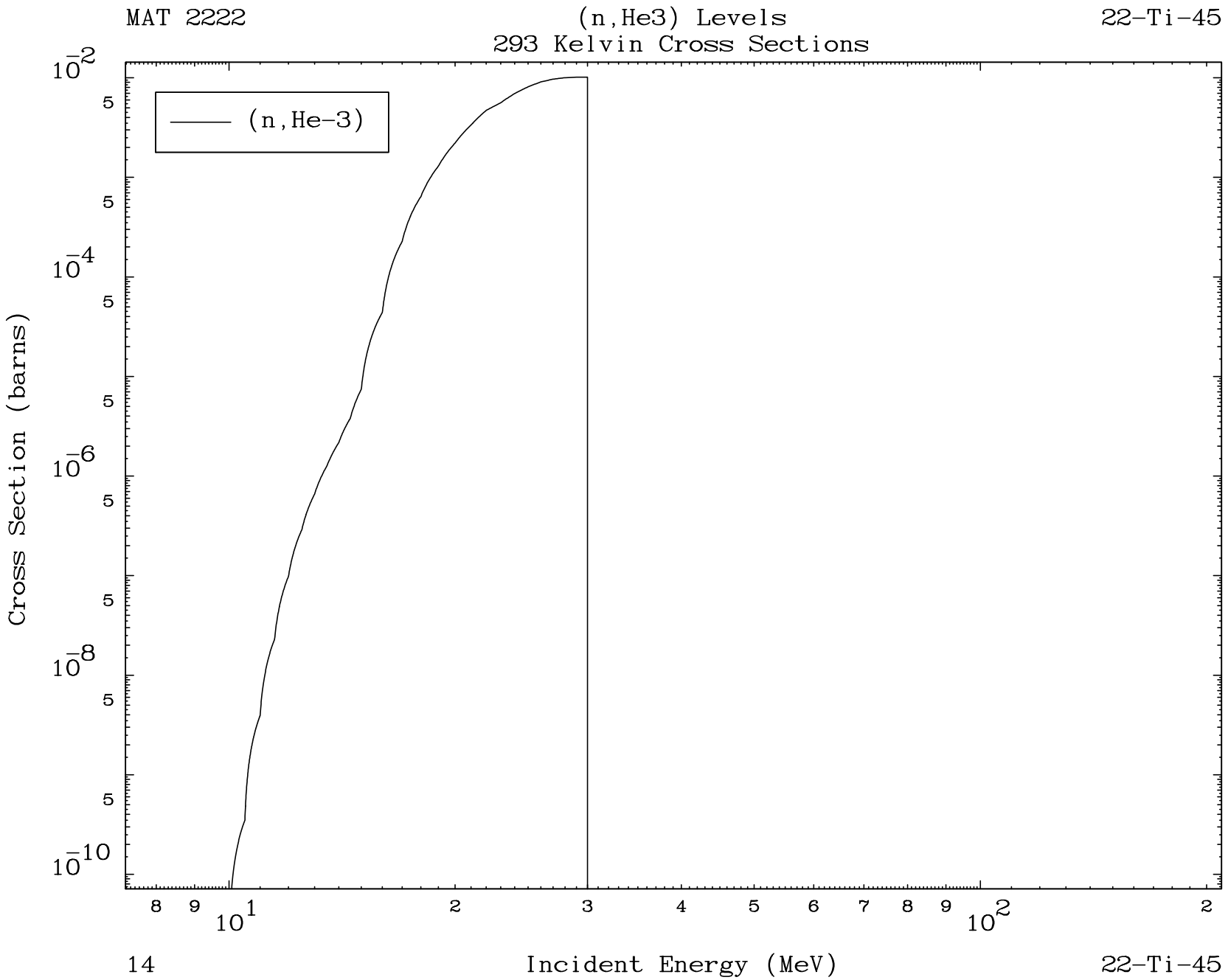

MAT 2222
(n,n') Levels
22-Ti-45
293 Kelvin Cross Sections
Cross Section (barns)
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Incident Energy (MeV)
9
22-Ti-45

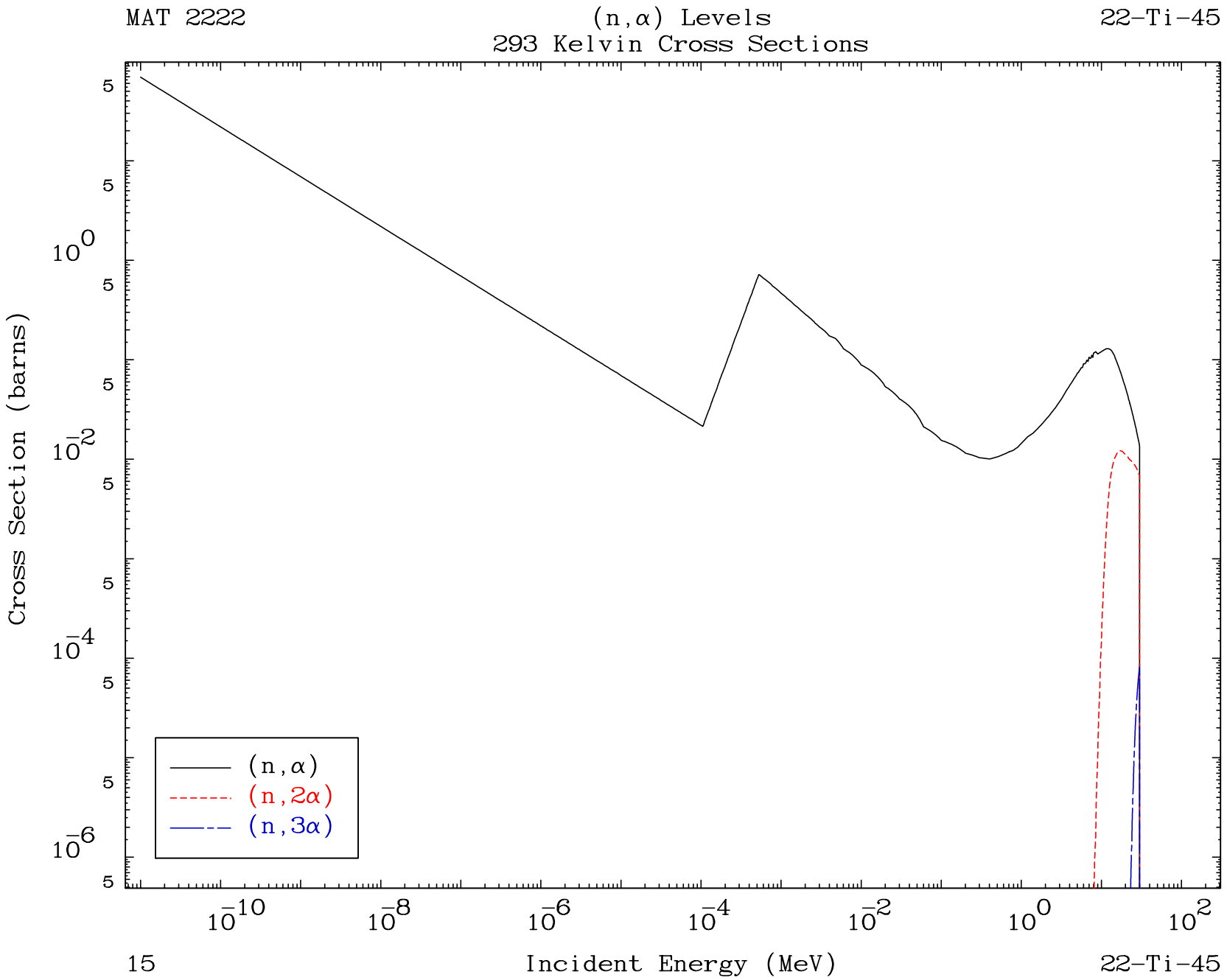

MAT 2222
(n,n') Levels
293 Kelvin Cross Sections
22-Ti-45
Cross Section (barns)
Incident Energy (MeV)
22-Ti-45
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
(n,n') Continuum

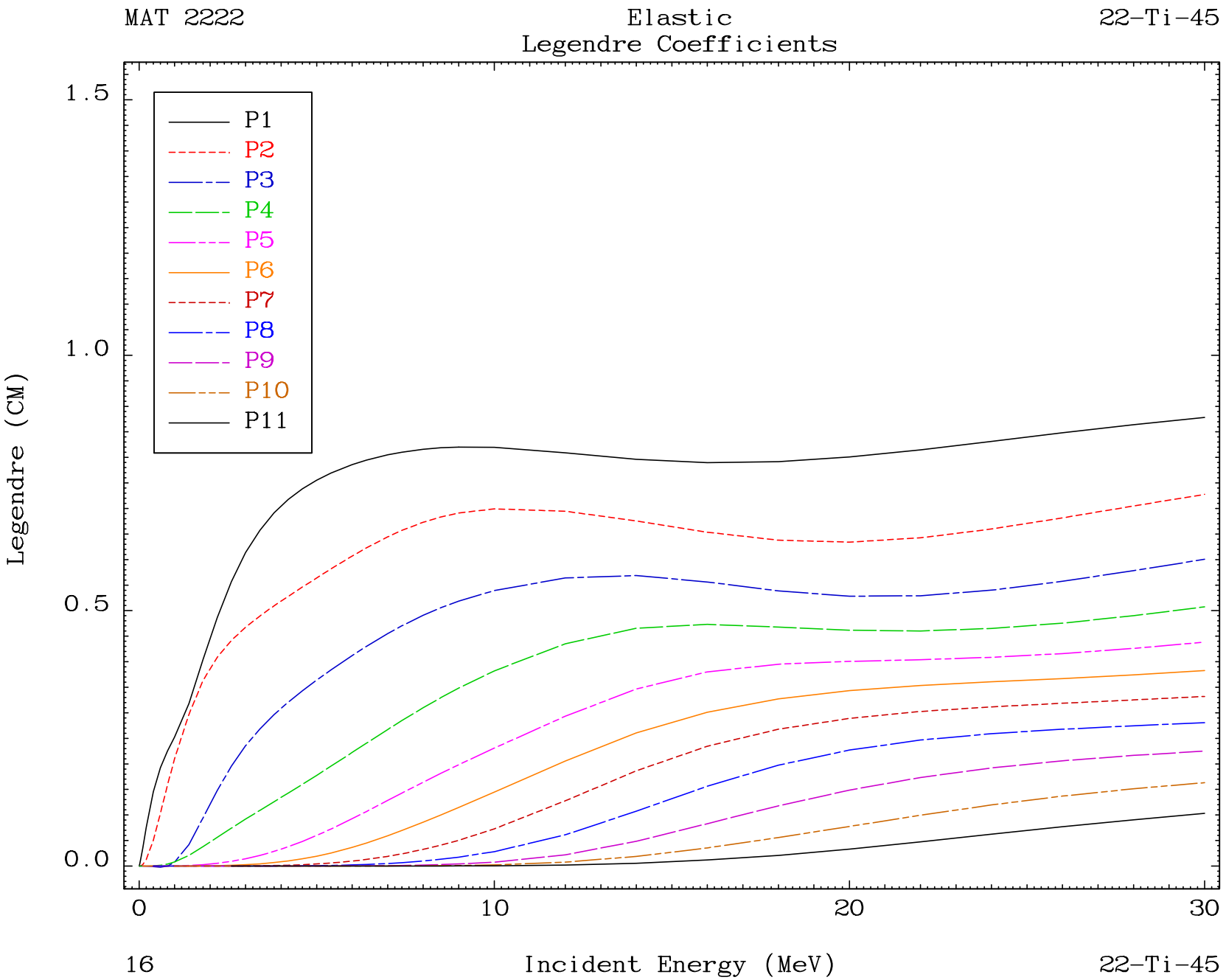

MAT 2222
(n,p) Levels
22-Ti-45
293 Kelvin Cross Sections
Cross Section (barns)
10^3
10^2
10^1
10^0
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
11
22-Ti-45

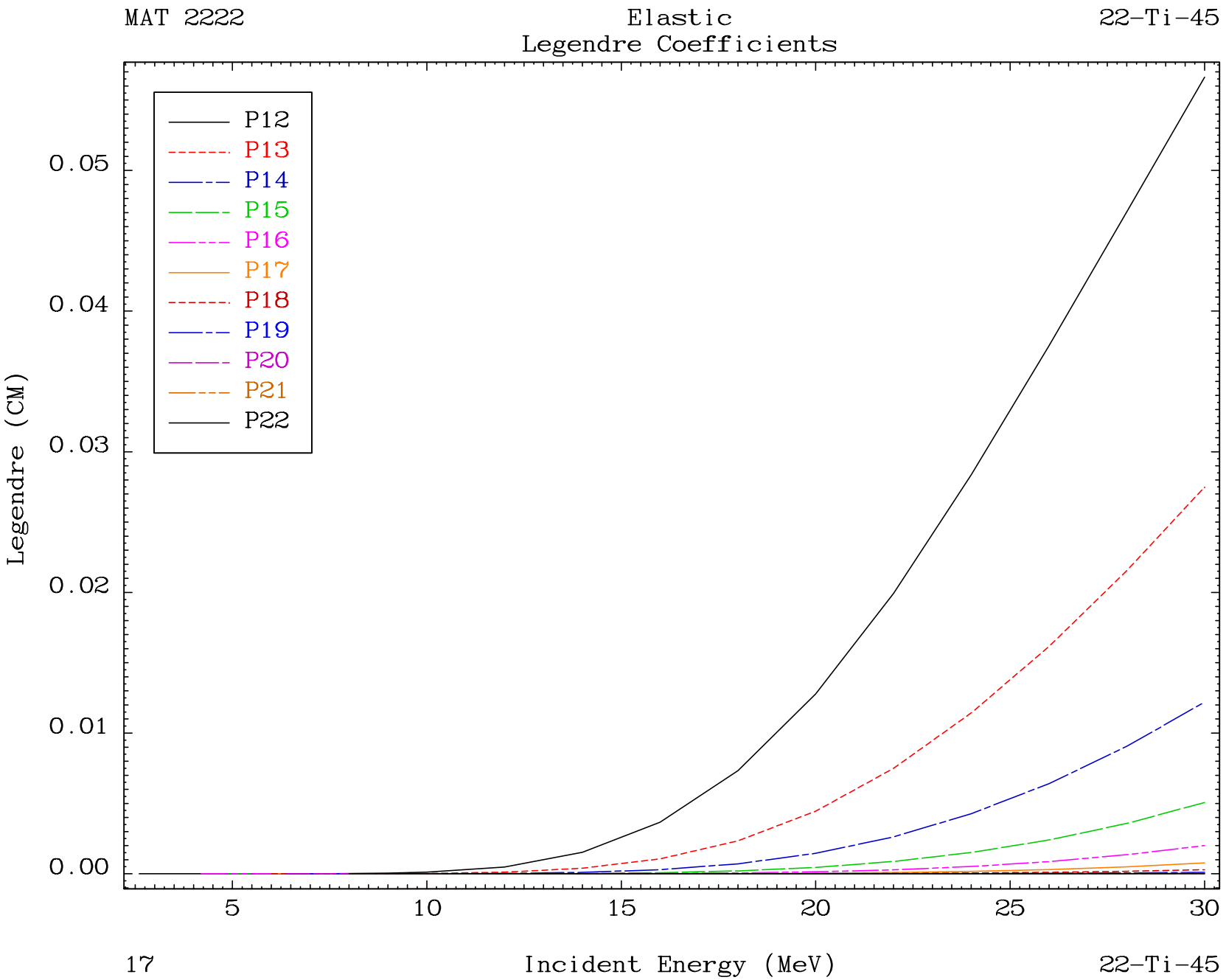

MAT 2222
(n,d) Levels
22-Ti-45
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
12
22-Ti-45

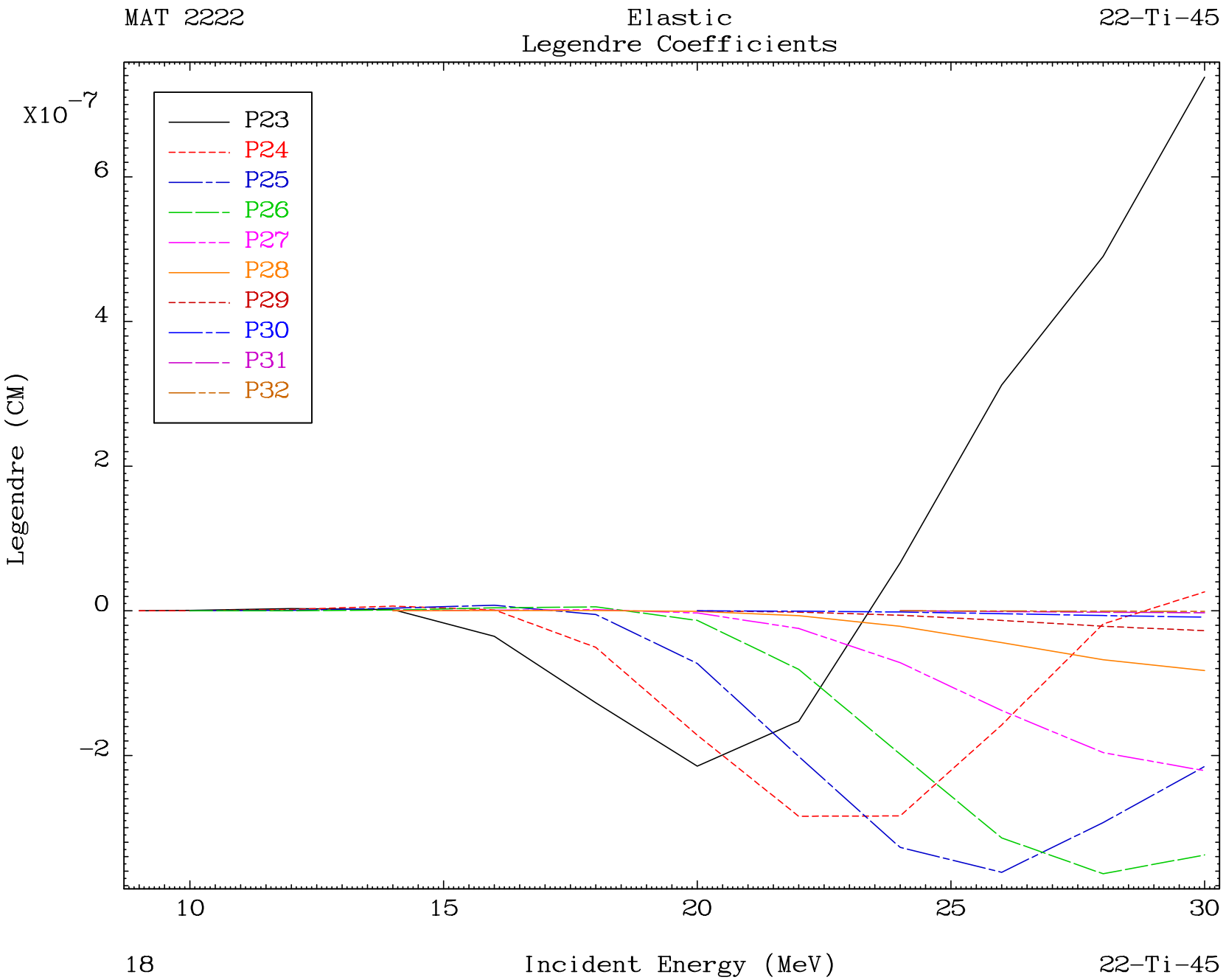

MAT 2222
(n,t) Levels
22-Ti-45
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
13
22-Ti-45

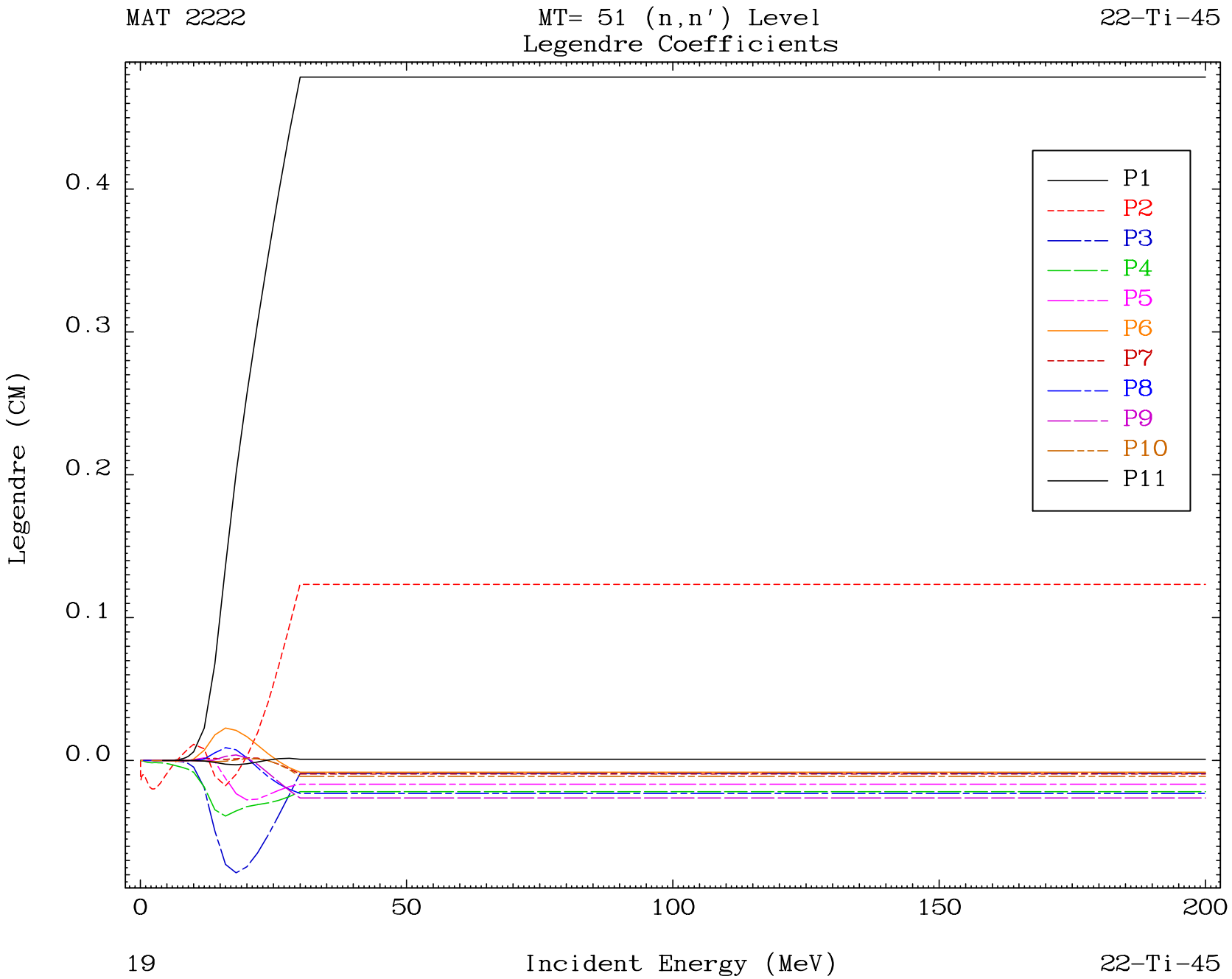

MAT 2222
(n,He3) Levels
22-Ti-45
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
22-Ti-45

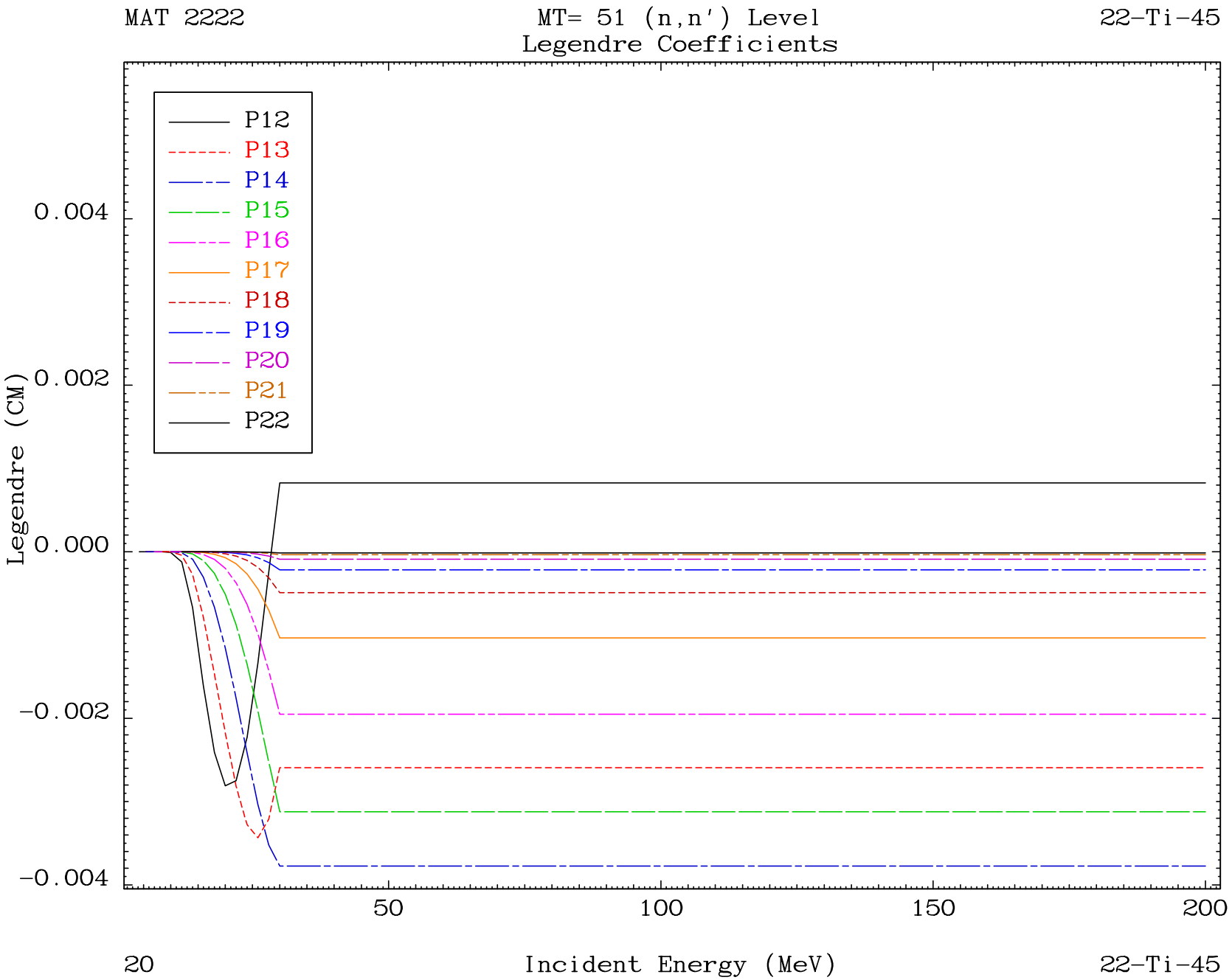

MAT 2222
(n,α) Levels
22-Ti-45
293 Kelvin Cross Sections
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
(n,α)
(n,2α)
(n,3α)
15
22-Ti-45

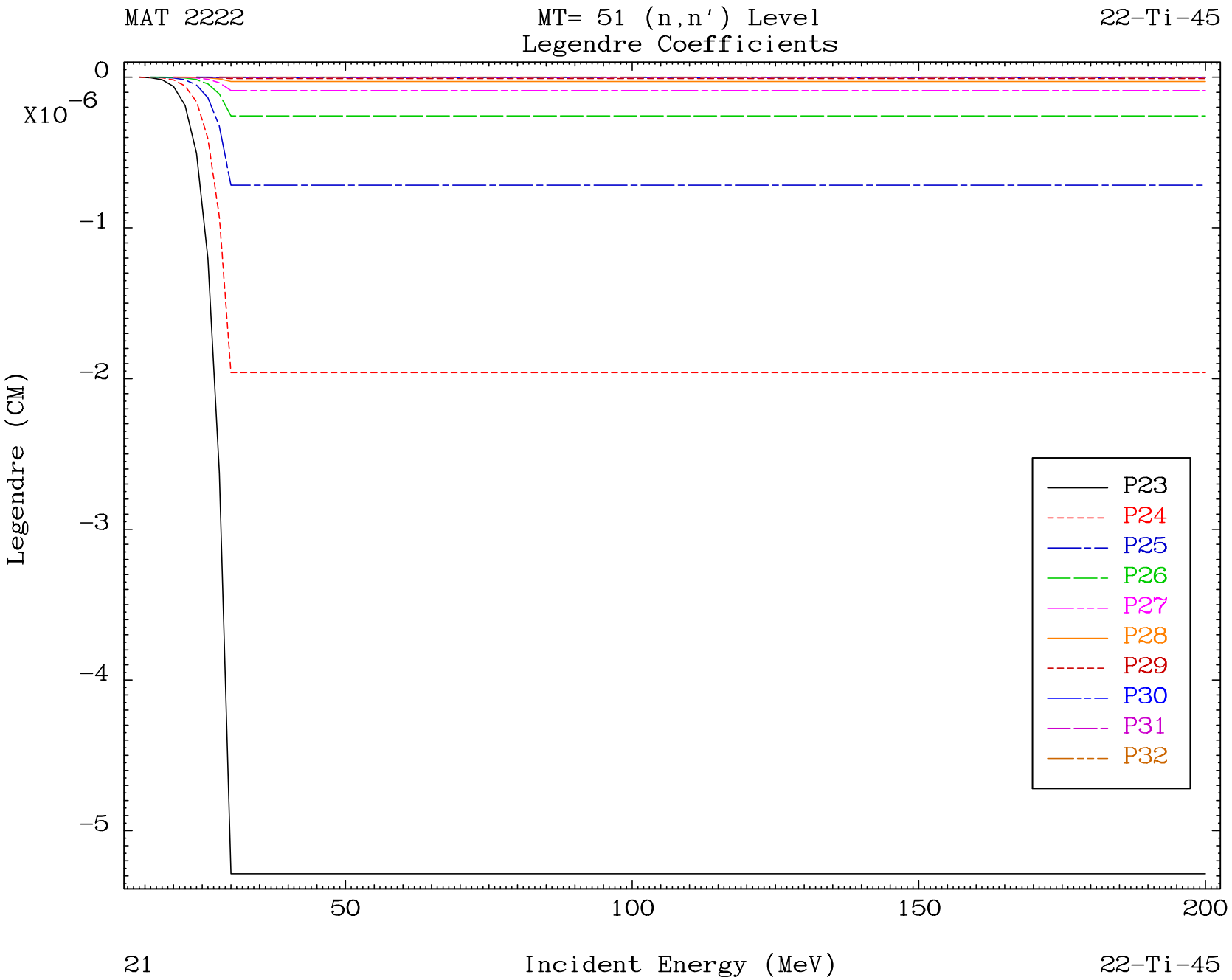

MAT 2222
Elastic
Legendre Coefficients
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
1.5
1.0
0.5
0.0
0
10
20
30
16
Incident Energy (MeV)
22-Ti-45

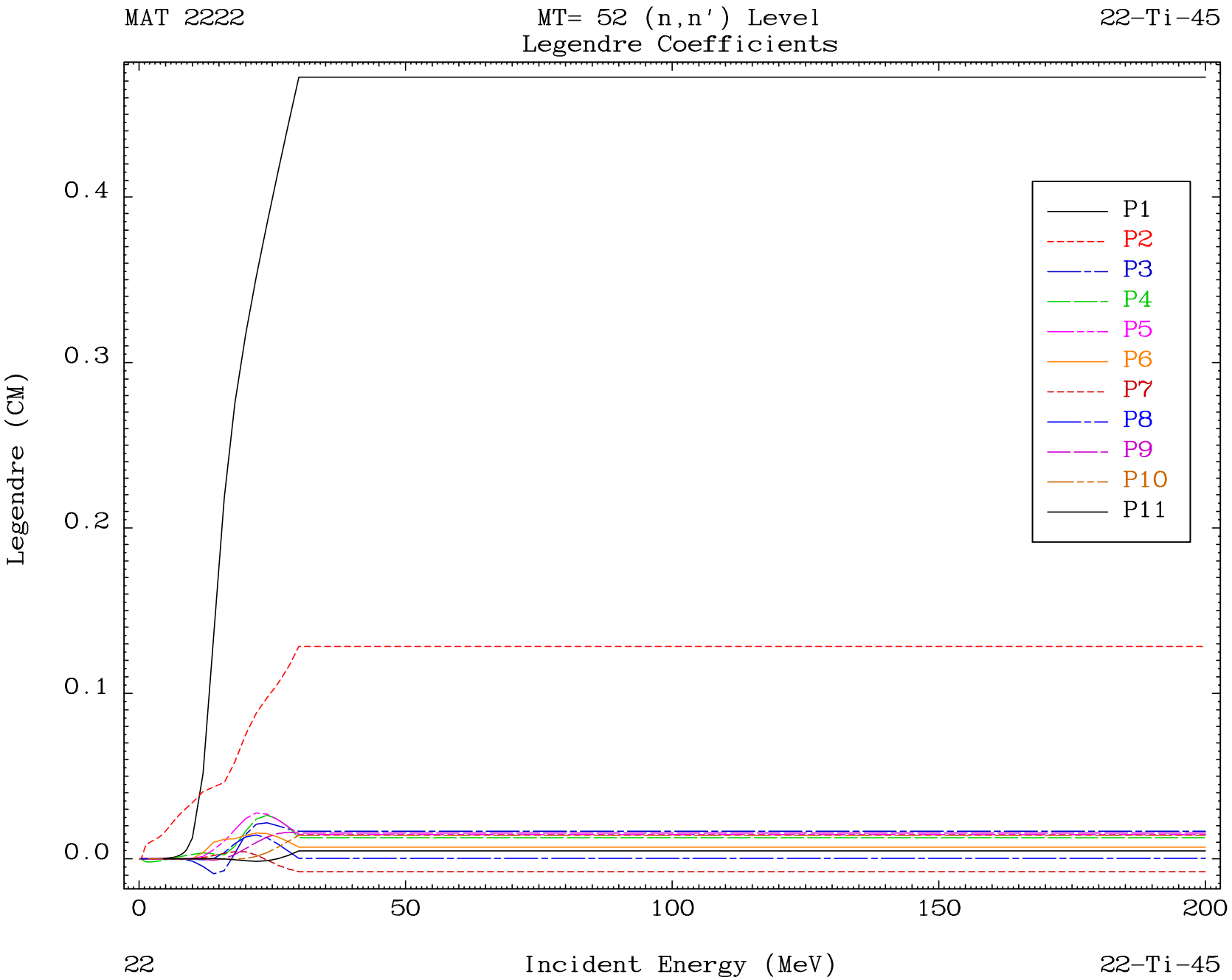

MAT 2222
Elastic
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
Legendre (CM)
0.00
0.01
0.02
0.03
0.04
0.05
5
10
15
20
25
30
17
Incident Energy (MeV)
22-Ti-45

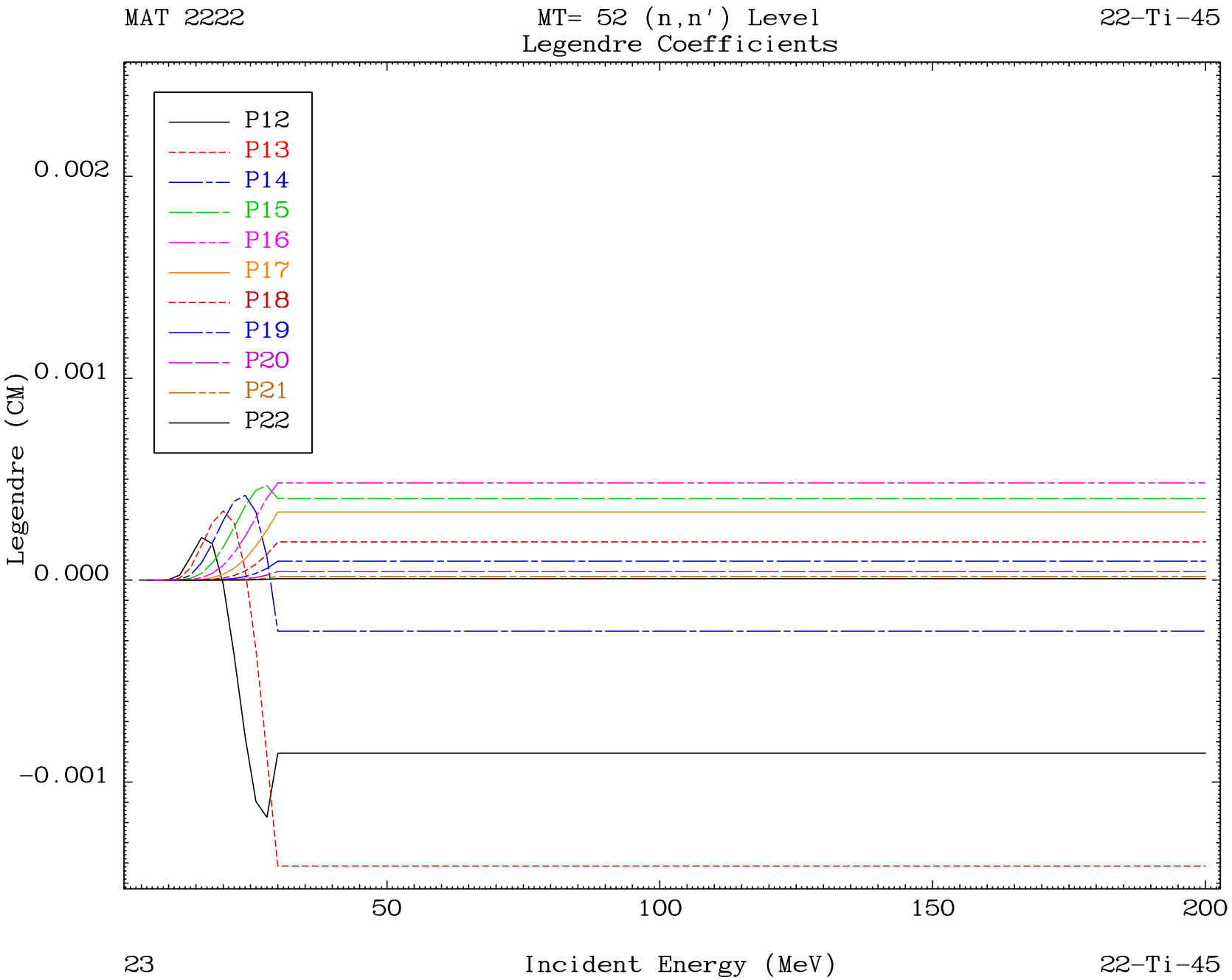

MAT 2222
Elastic
Legendre Coefficients
22-Ti-45
X10-7
6
4
2
0
-2
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
10
15
20
25
30
18
Incident Energy (MeV)
22-Ti-45

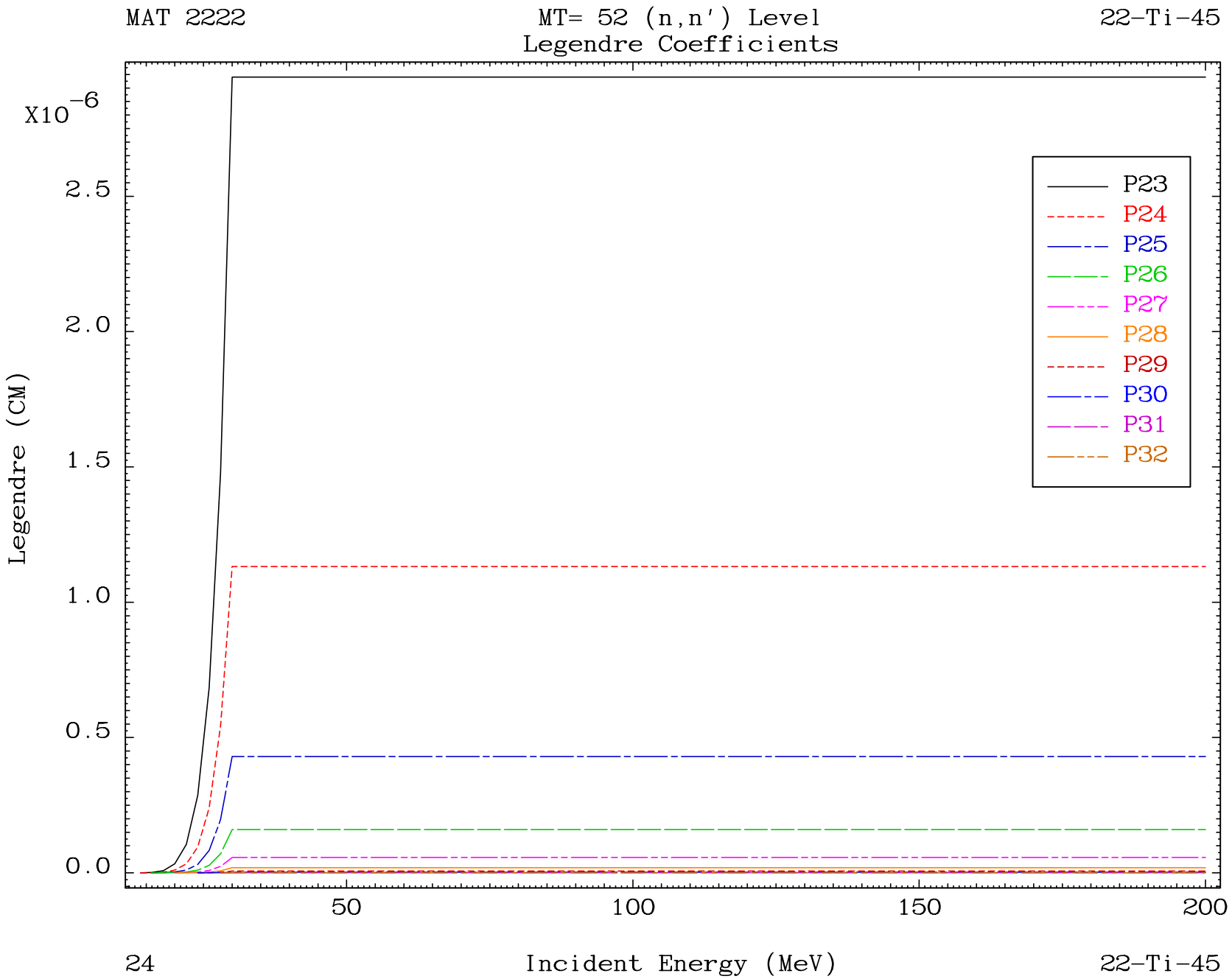

MAT 2222
MT= 51 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
19
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

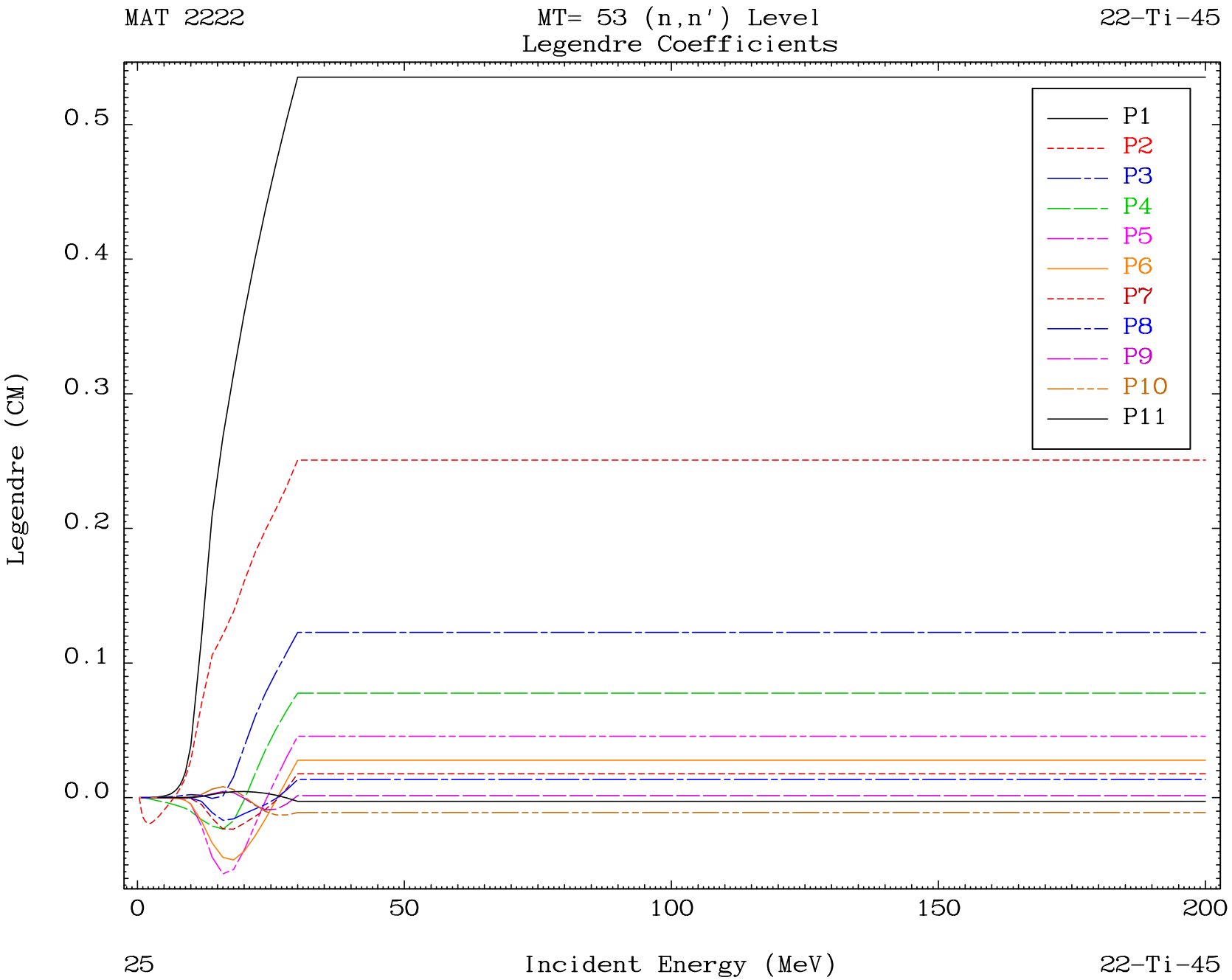

MAT 2222
MT= 51 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
20
Incident Energy (MeV)
22-Ti-45

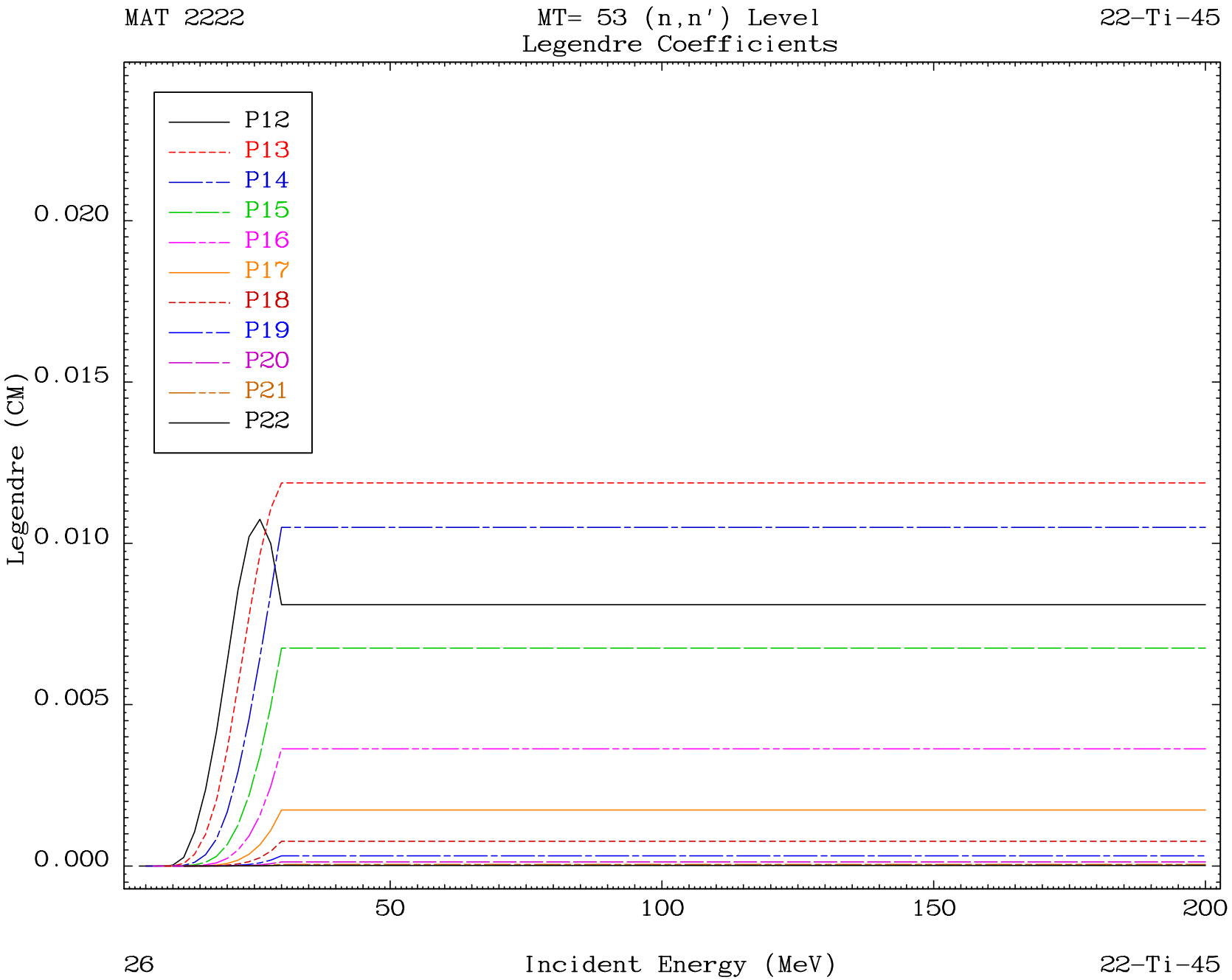

MAT 2222
MT= 51 (n,n') Level
Legendre Coefficients
22-Ti-45
0
X10 −6
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
21
Incident Energy (MeV)
22-Ti-45

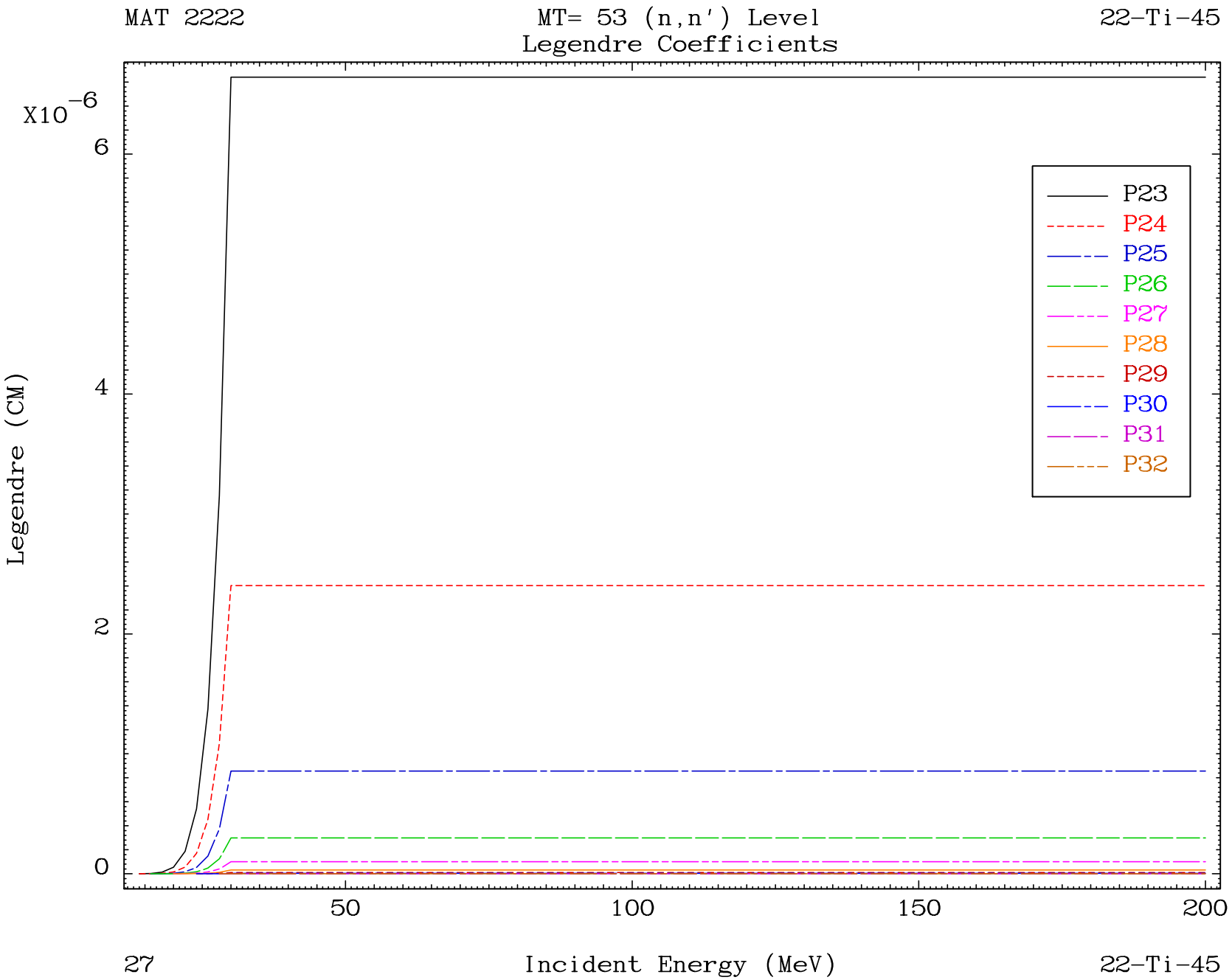

MAT 2222
MT= 52 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
22
Incident Energy (MeV)
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

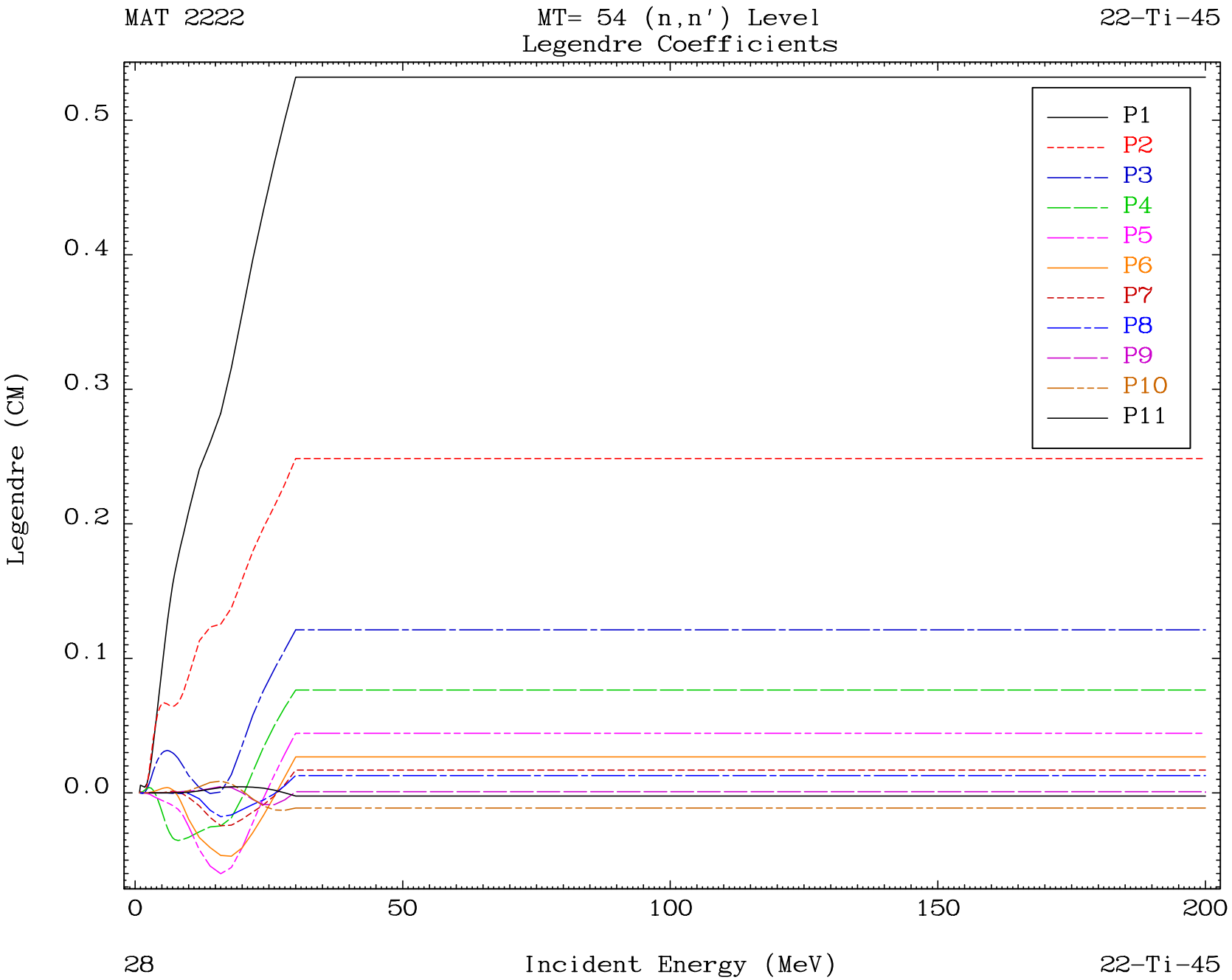

MAT 2222
MT= 52 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
22-Ti-45

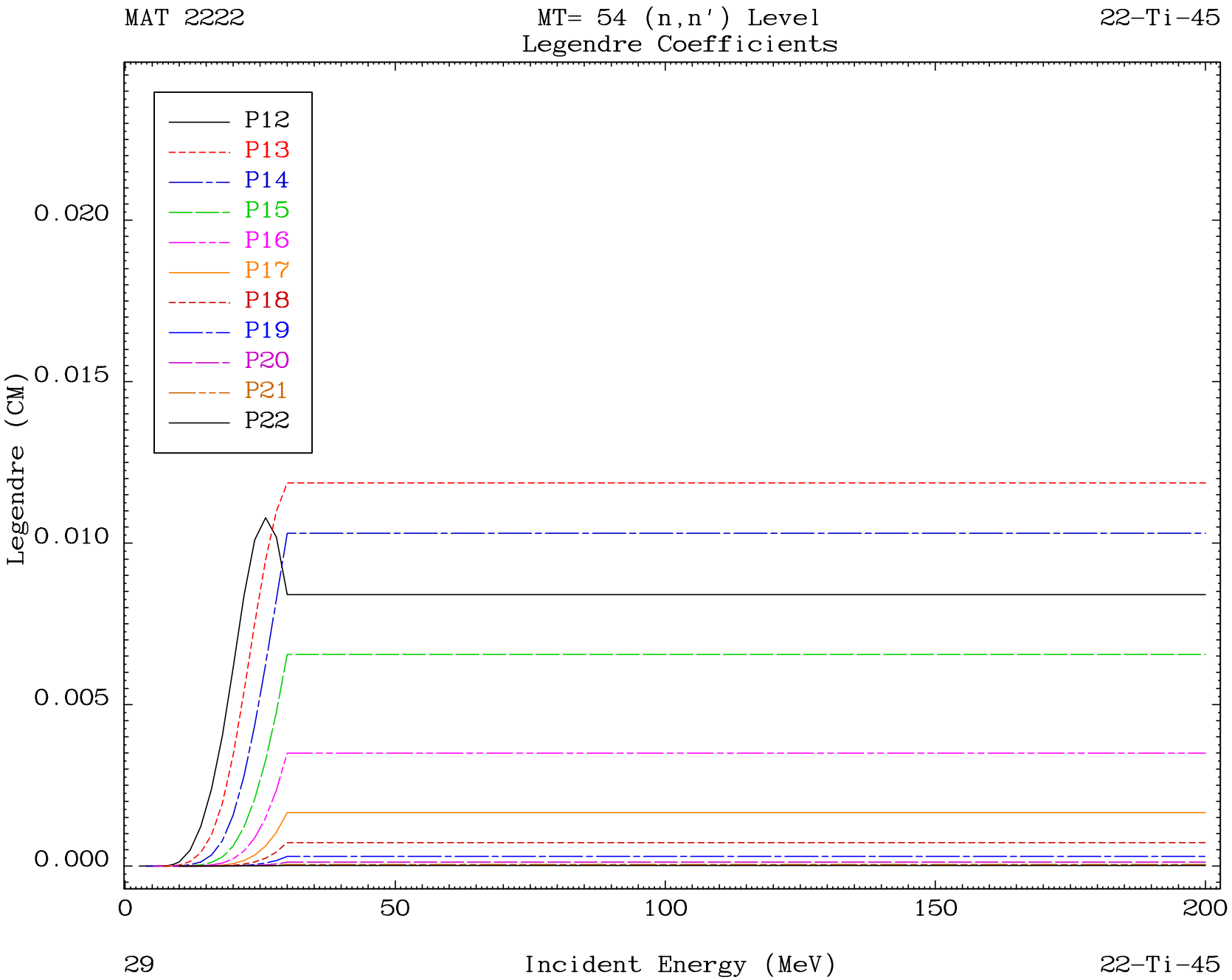

MAT 2222
MT= 52 (n,n') Level
Legendre Coefficients
22-Ti-45
X10^-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
24
Incident Energy (MeV)
22-Ti-45

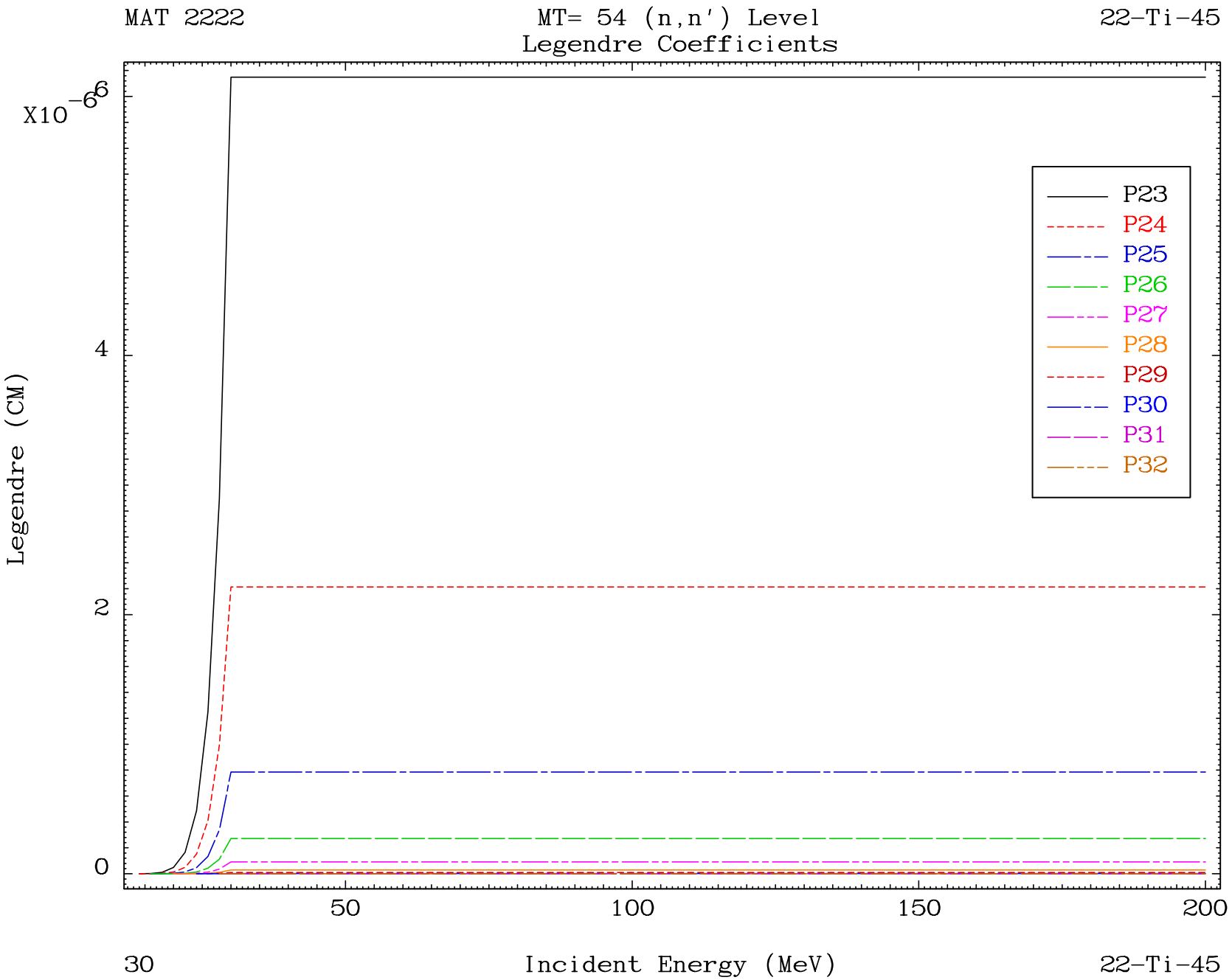

MAT 2222
MT= 53 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
25
Incident Energy (MeV)
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

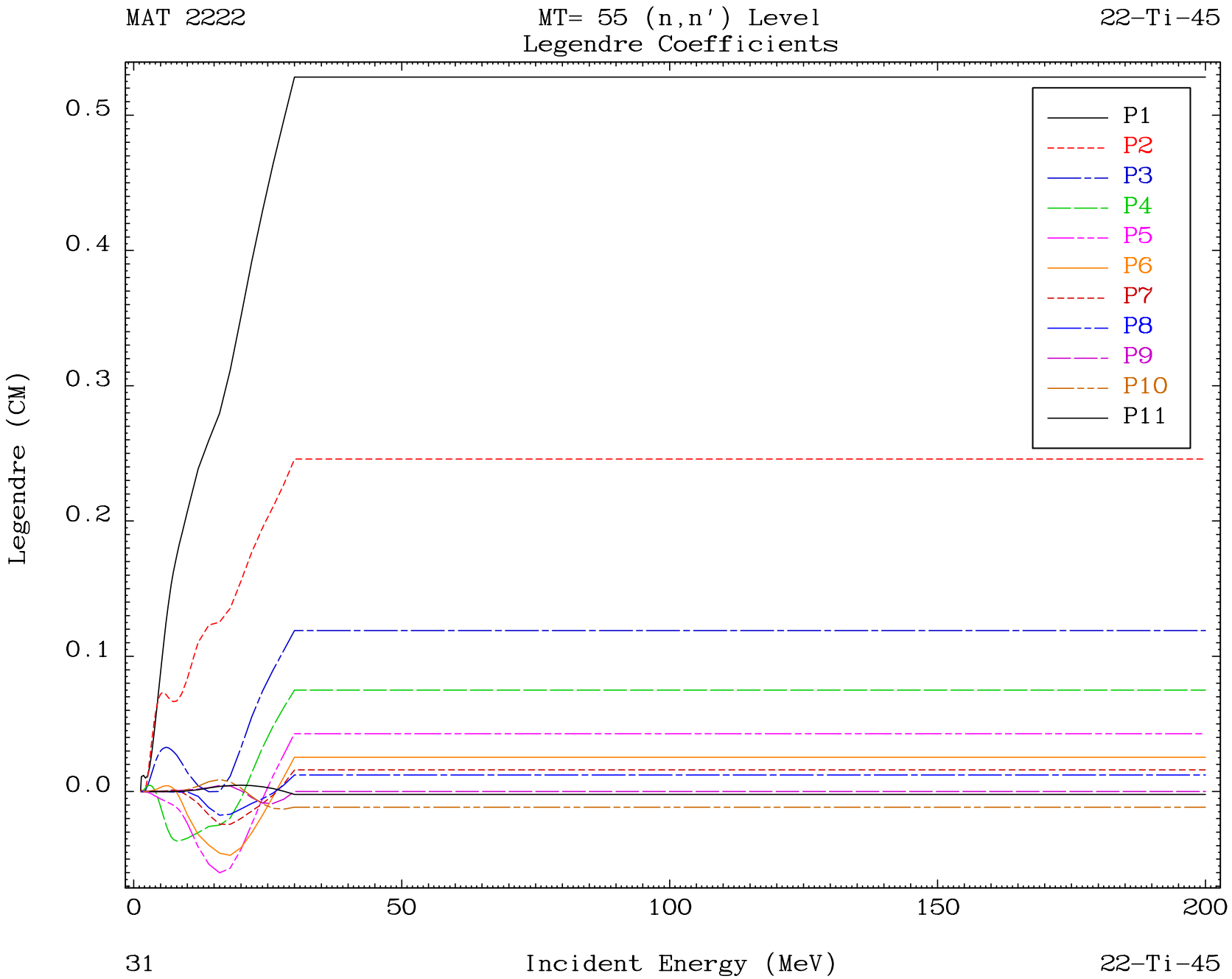

MAT 2222
MT= 53 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
22-Ti-45

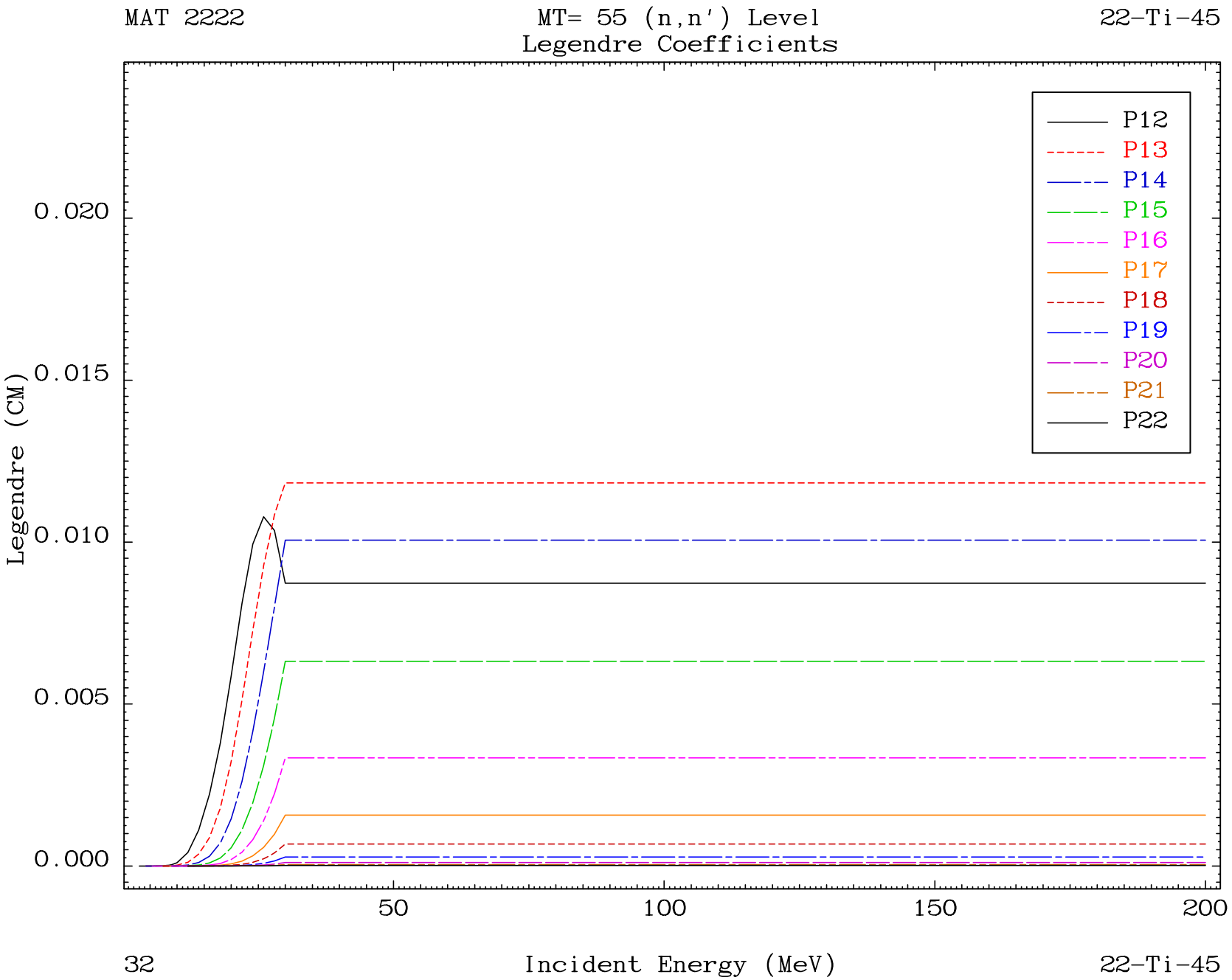

MAT 2222
MT= 53 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 −6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
27
Incident Energy (MeV)
22-Ti-45

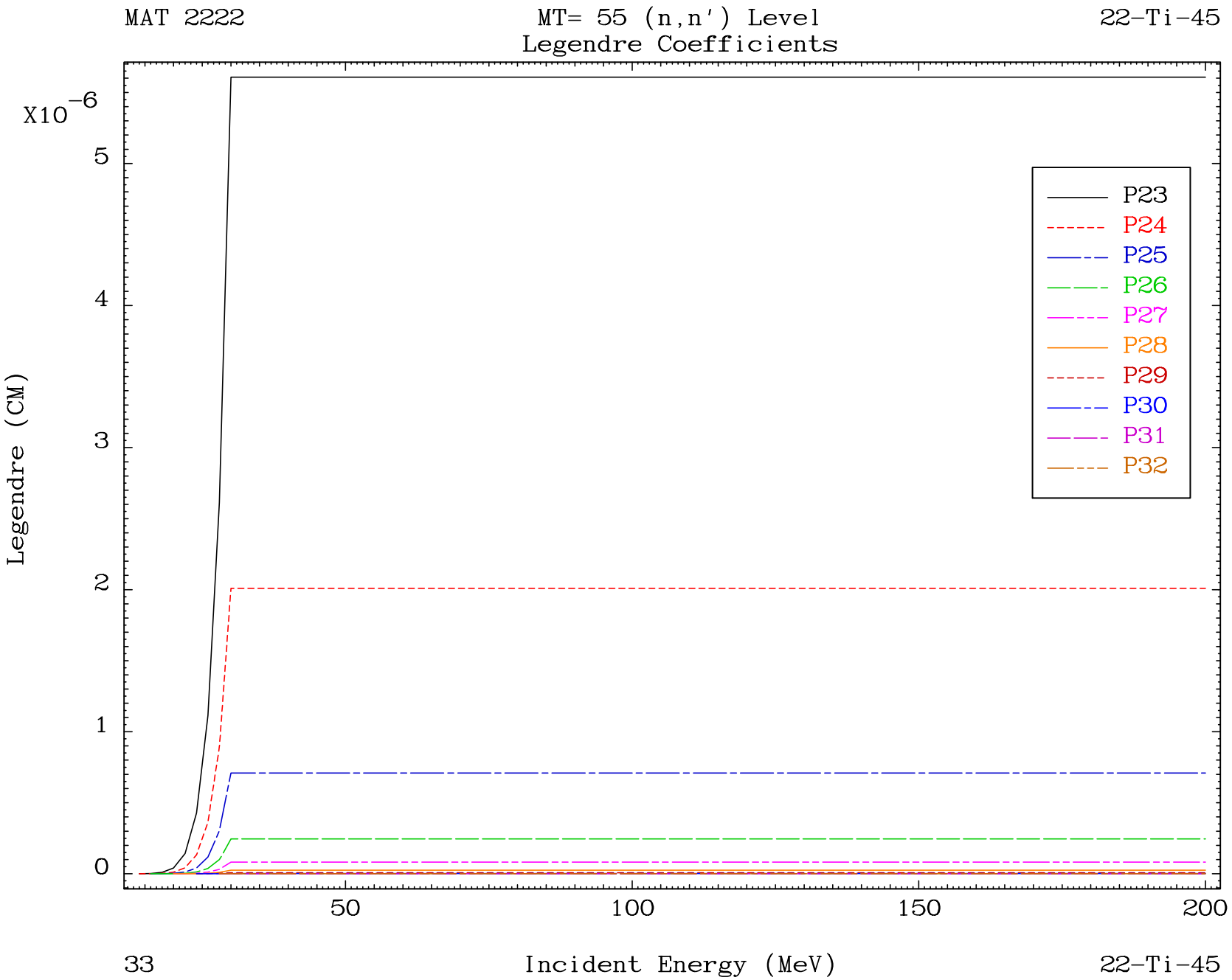

MAT 2222
MT= 54 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
28
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

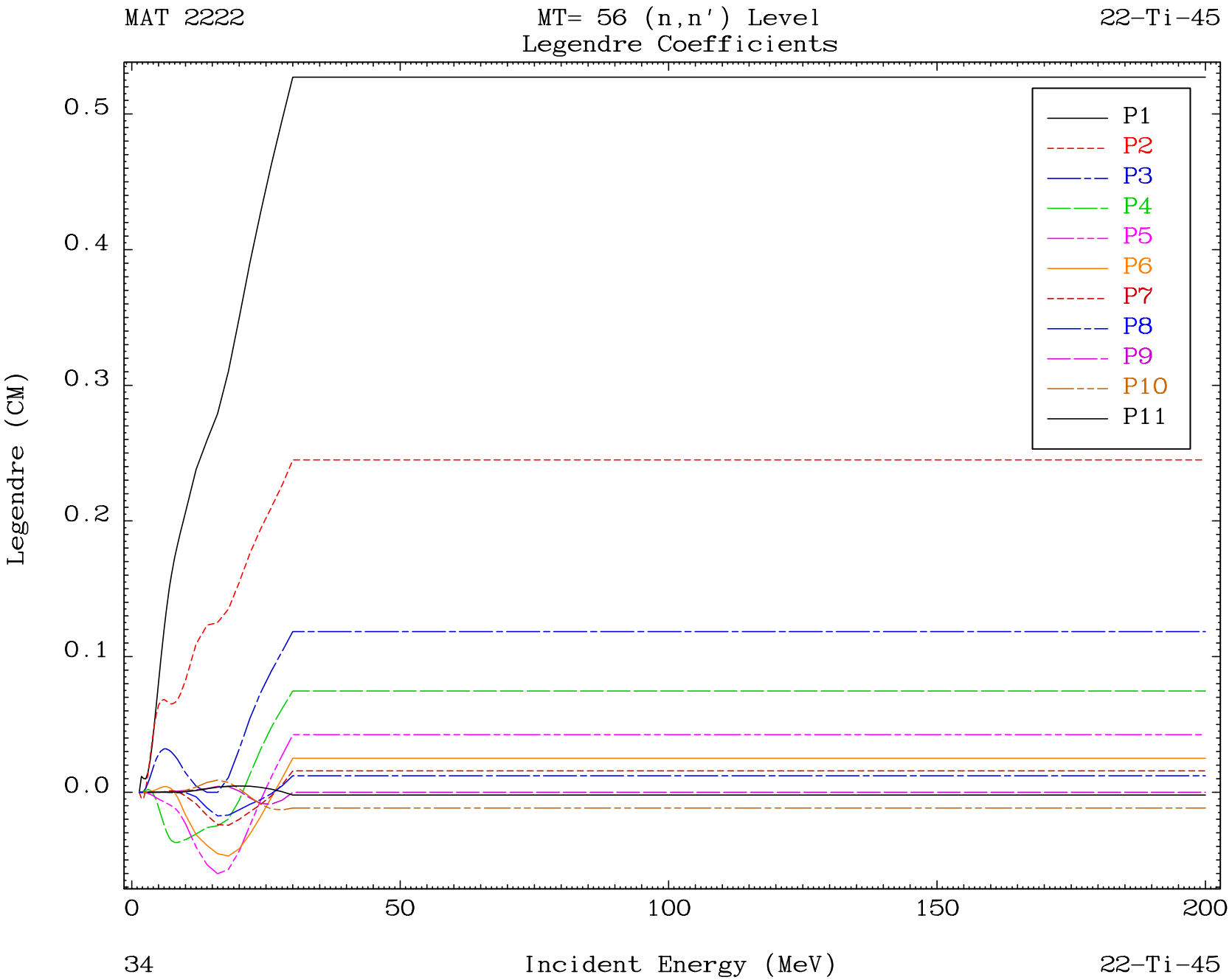

MAT 2222
MT= 54 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
22-Ti-45

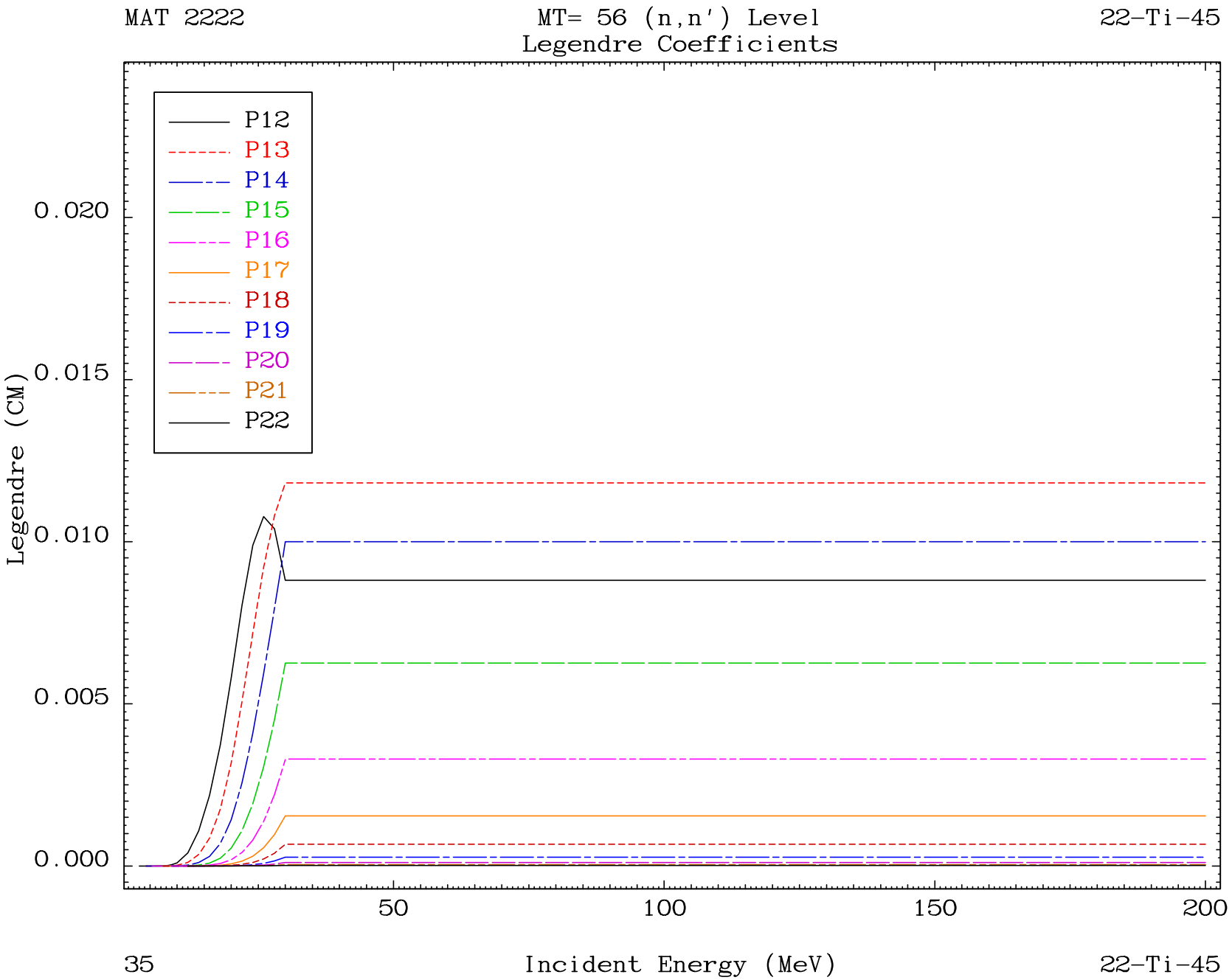

MAT 2222
MT= 54 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 -6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
30
Incident Energy (MeV)
22-Ti-45

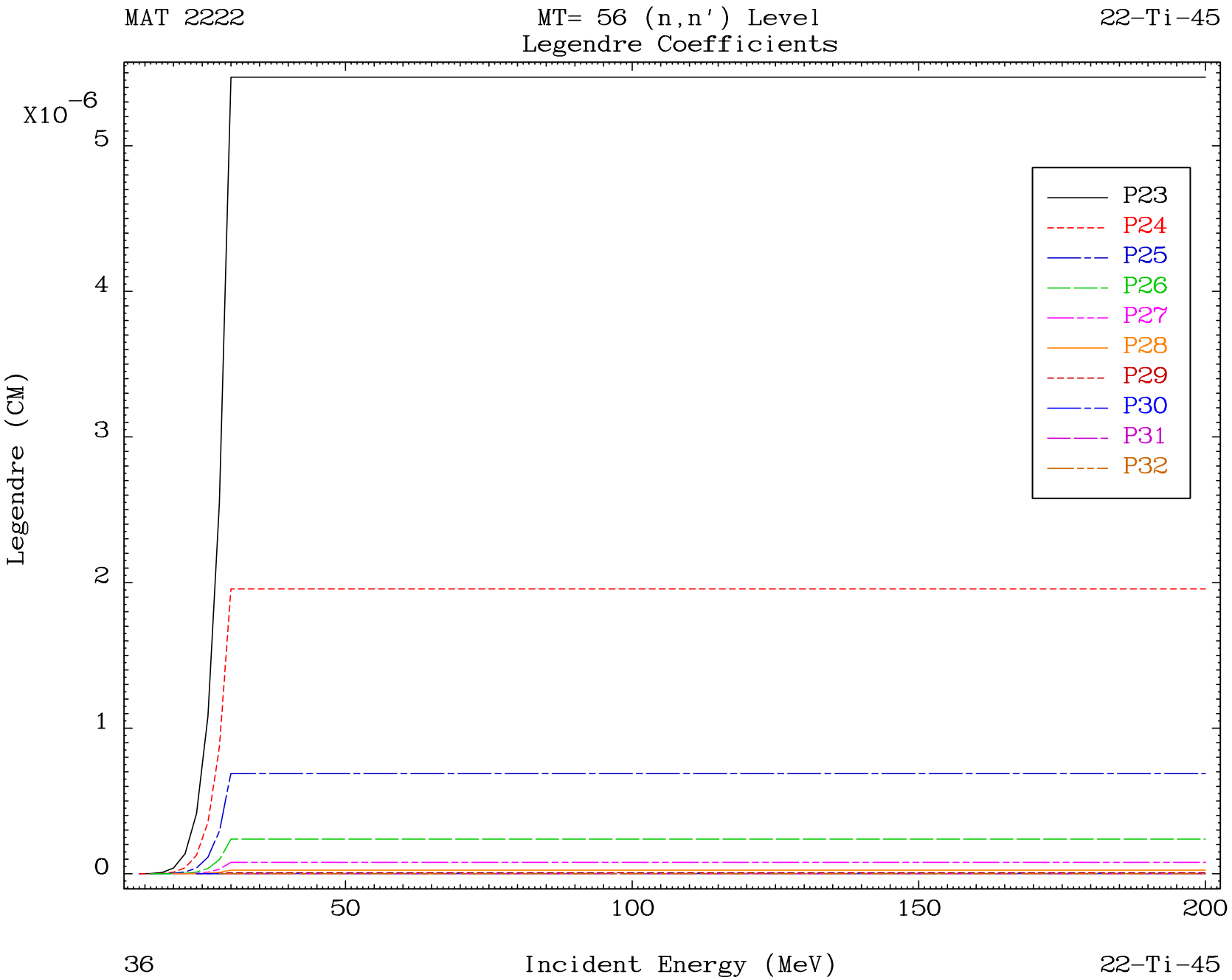

MAT 2222
MT= 55 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
31
Incident Energy (MeV)
22-Ti-45

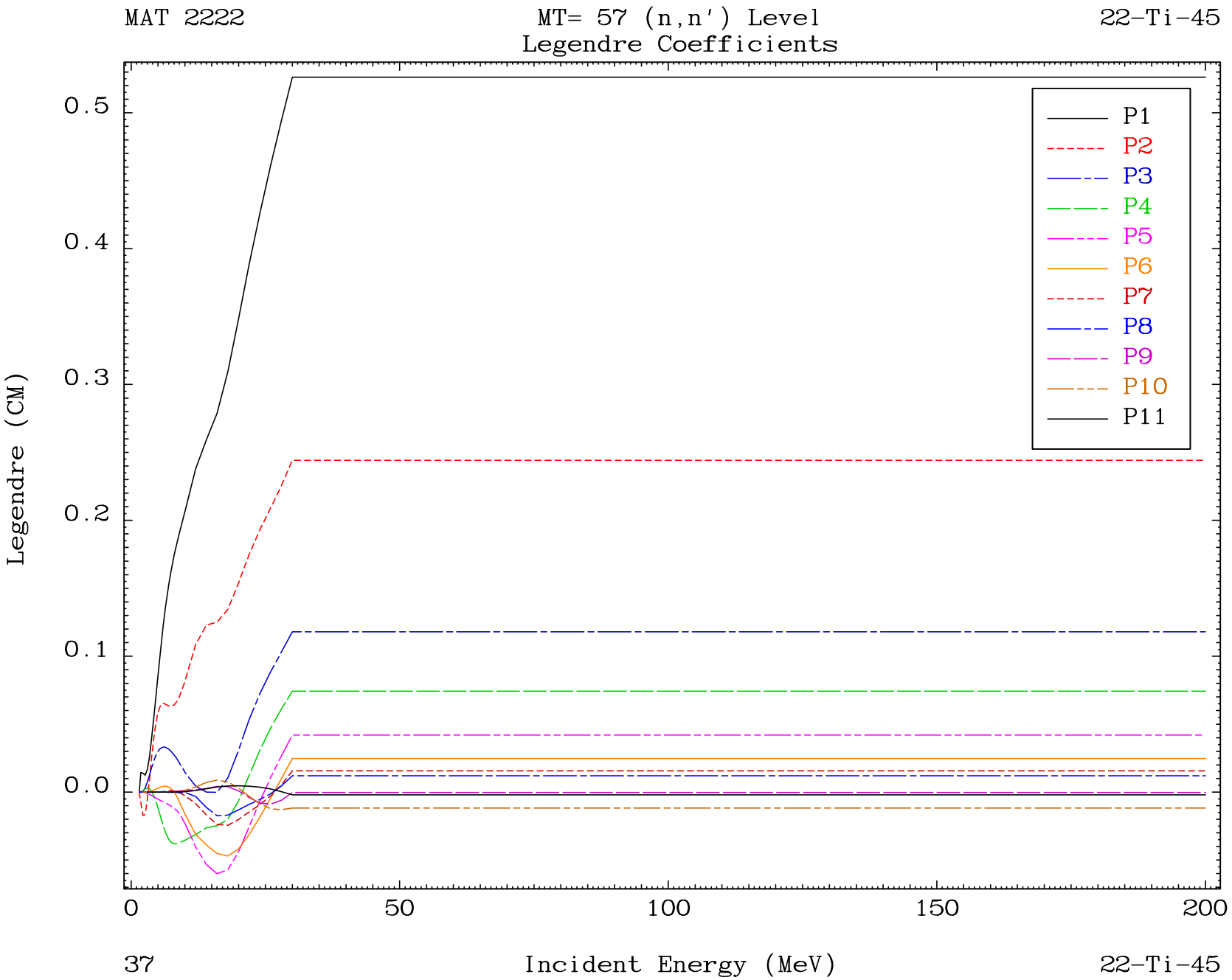

MAT 2222
MT= 55 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
32
Incident Energy (MeV)
22-Ti-45

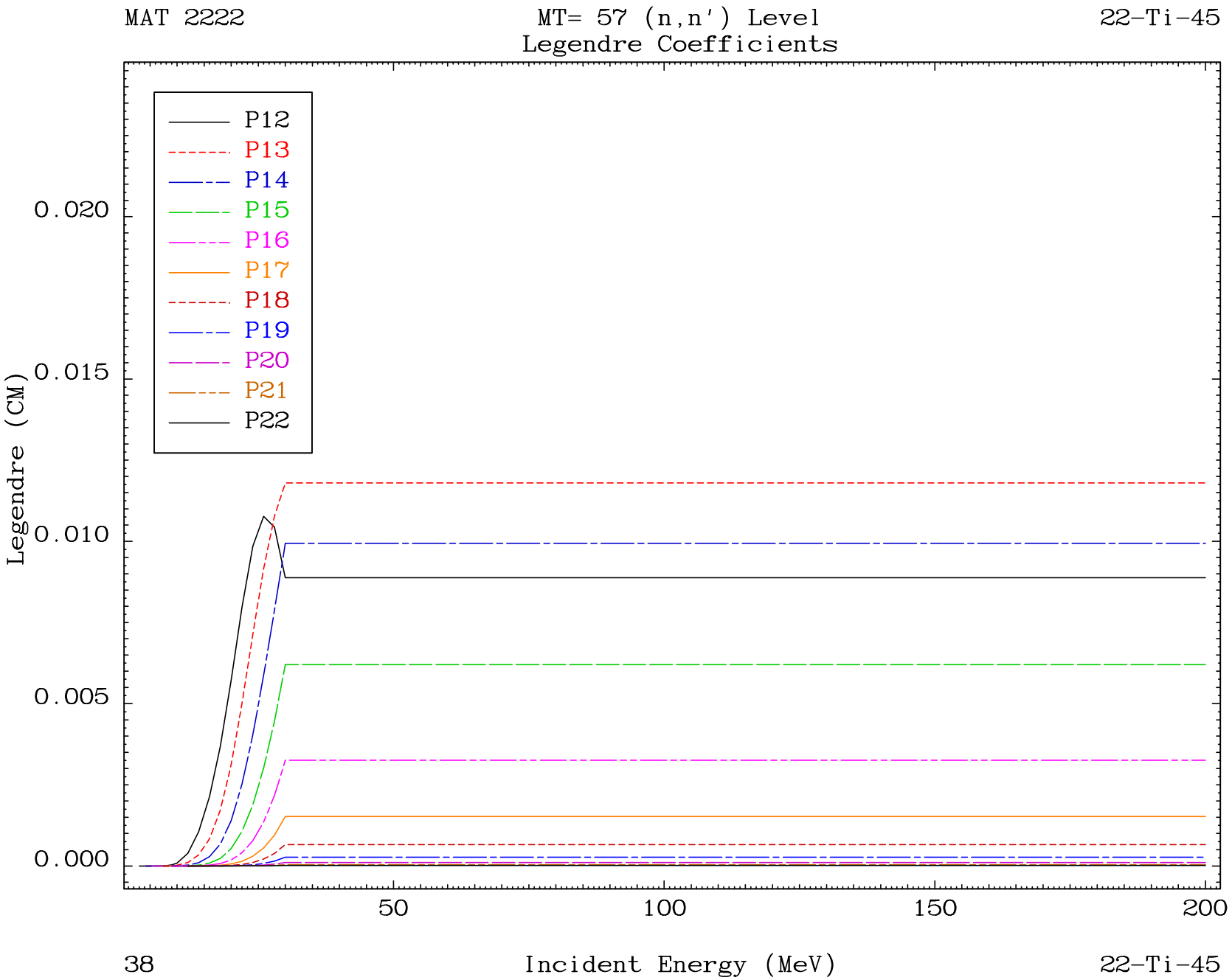

MAT 2222
MT= 55 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 −6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
33
Incident Energy (MeV)
22-Ti-45

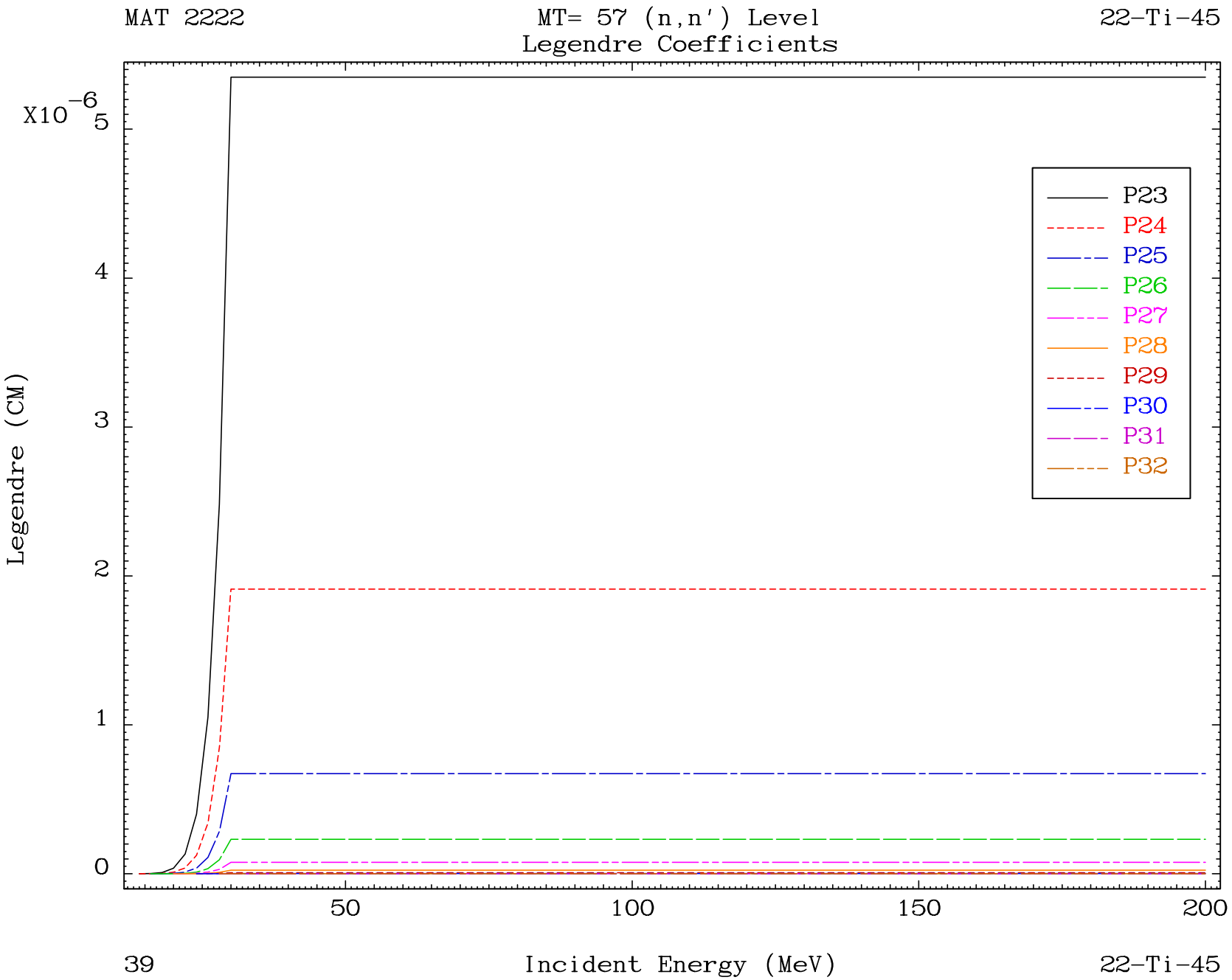

MAT 2222
MT= 56 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
34
Incident Energy (MeV)
22-Ti-45
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

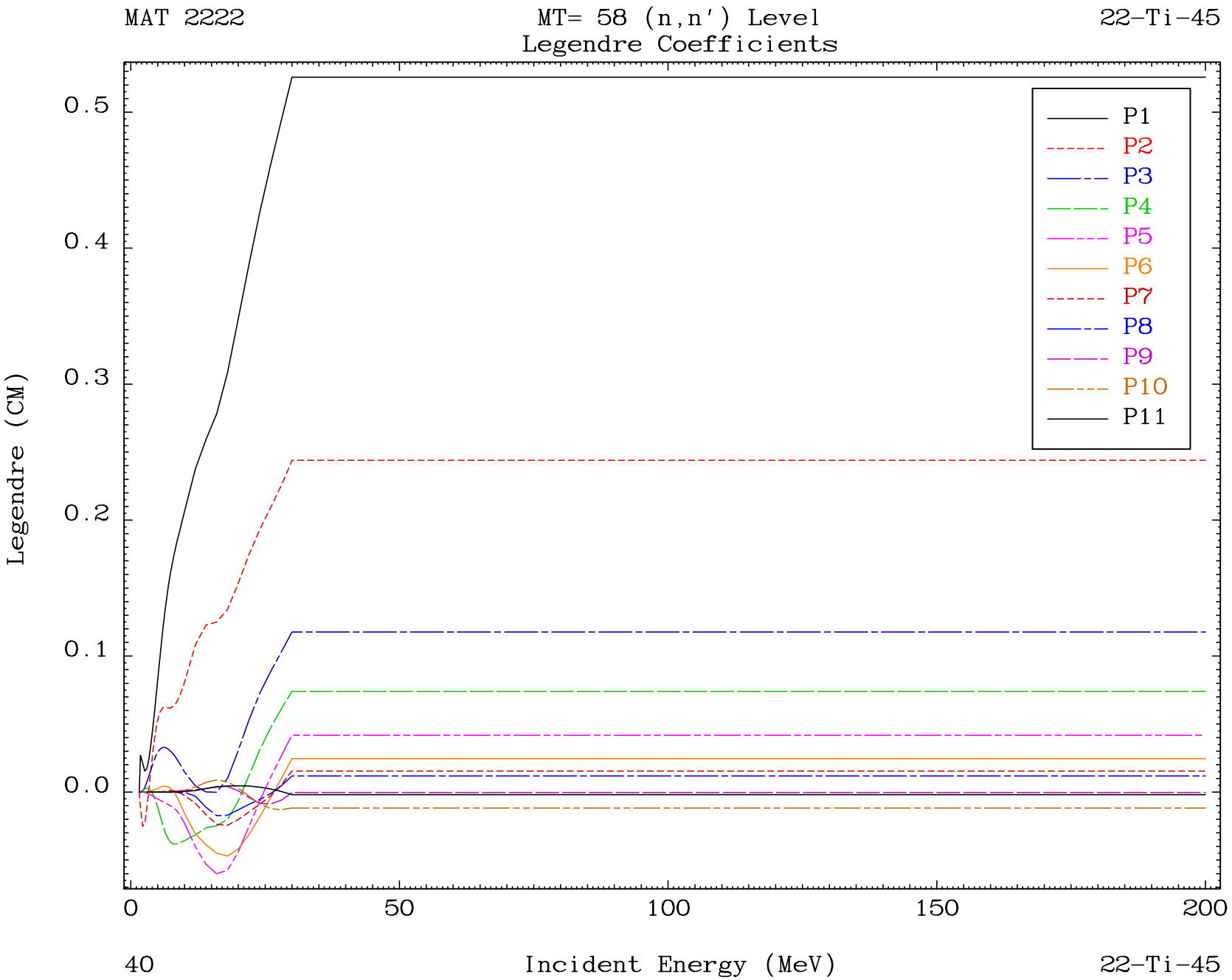

MAT 2222
MT= 56 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
35
Incident Energy (MeV)
22-Ti-45

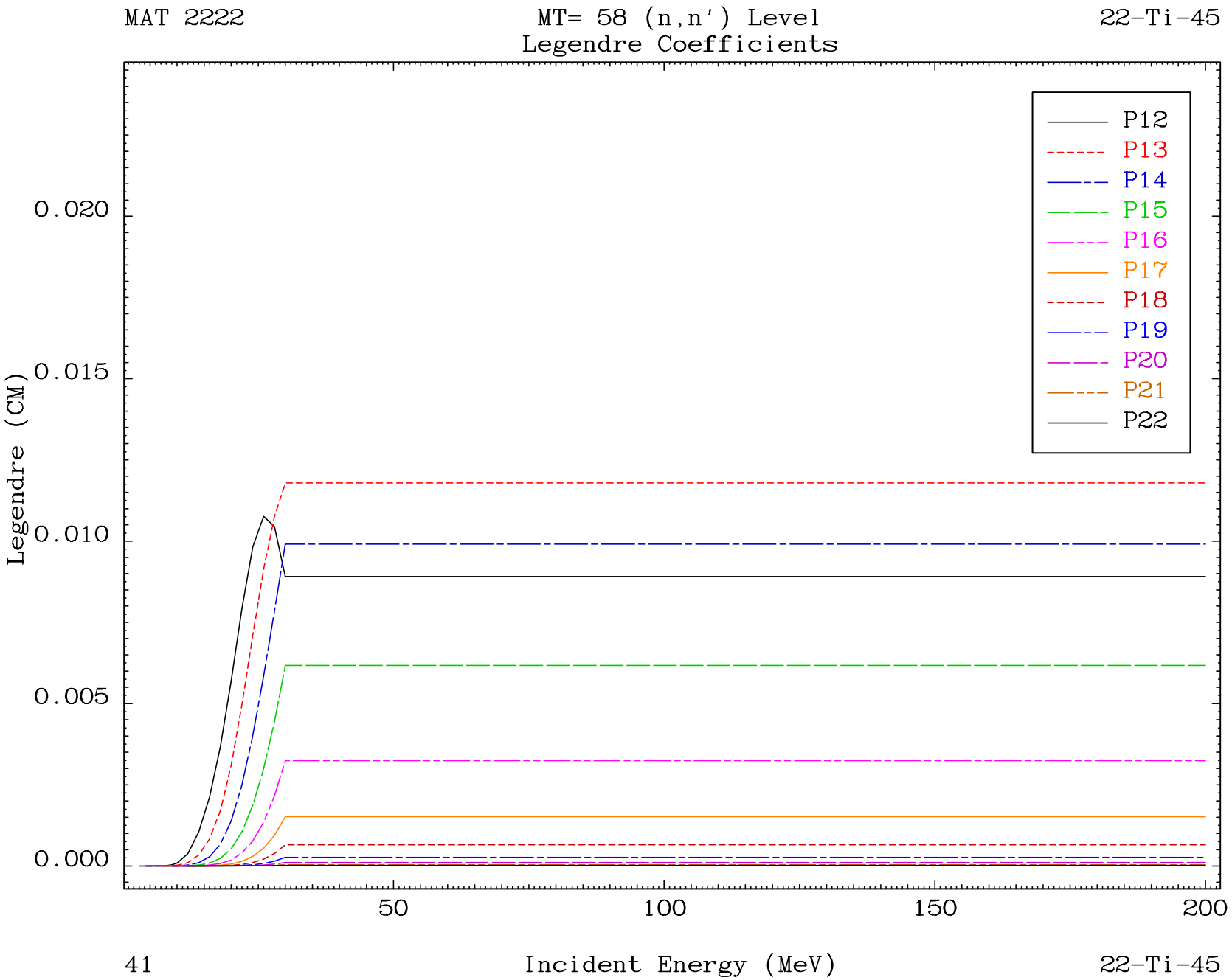

MAT 2222
MT= 56 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 -6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
36
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

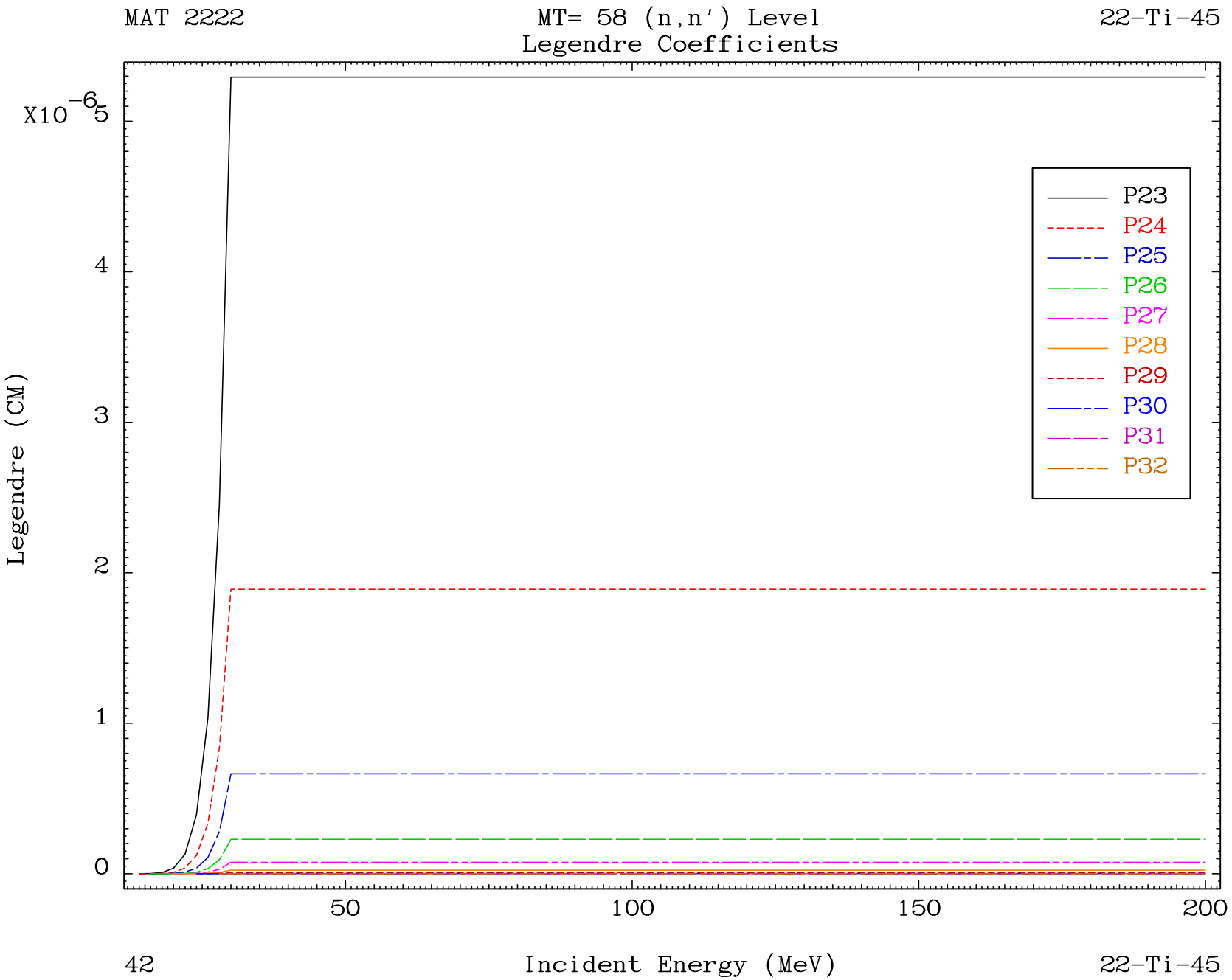

MAT 2222
MT= 57 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
37
Incident Energy (MeV)
22-Ti-45

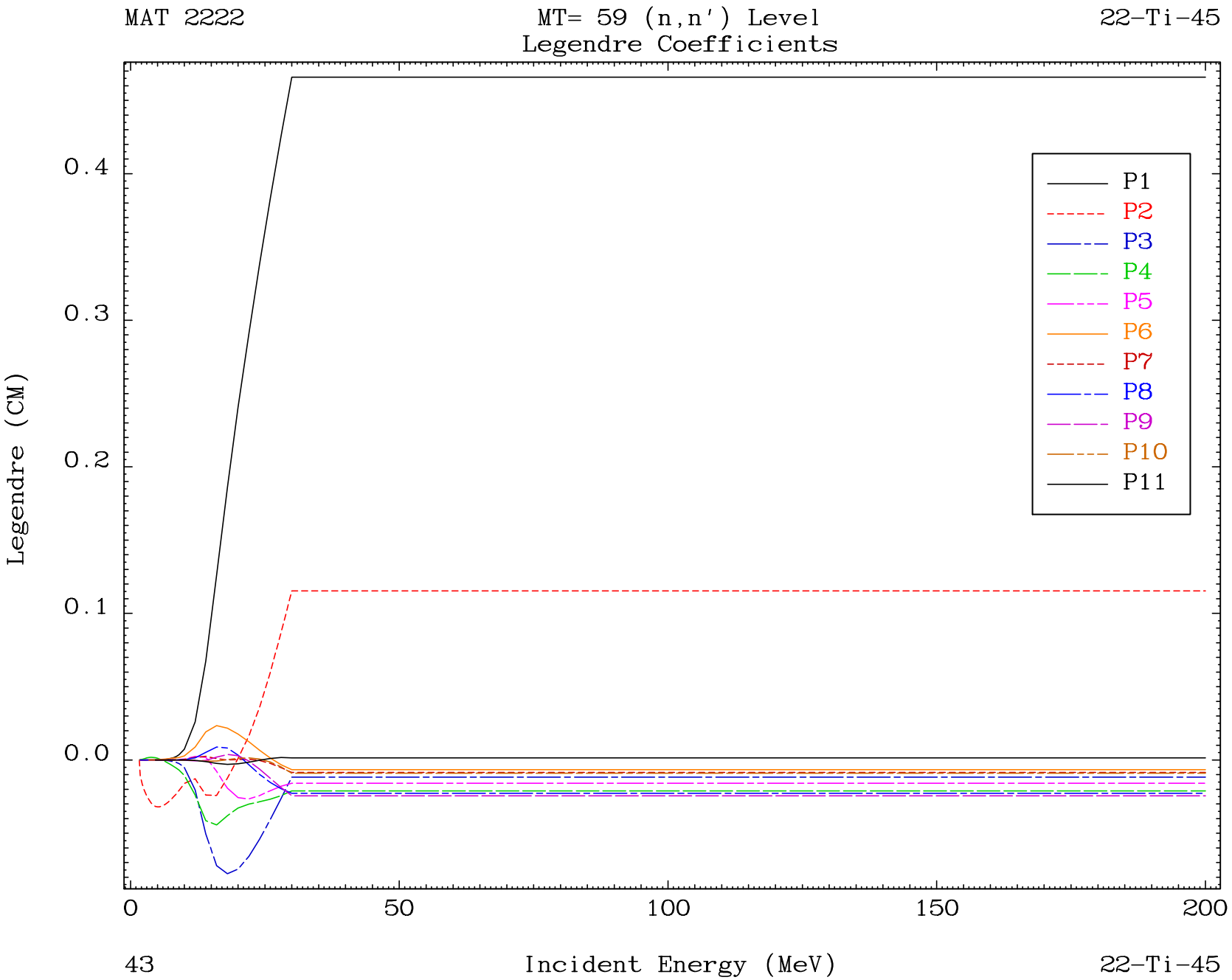

MAT 2222
MT= 57 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
22-Ti-45

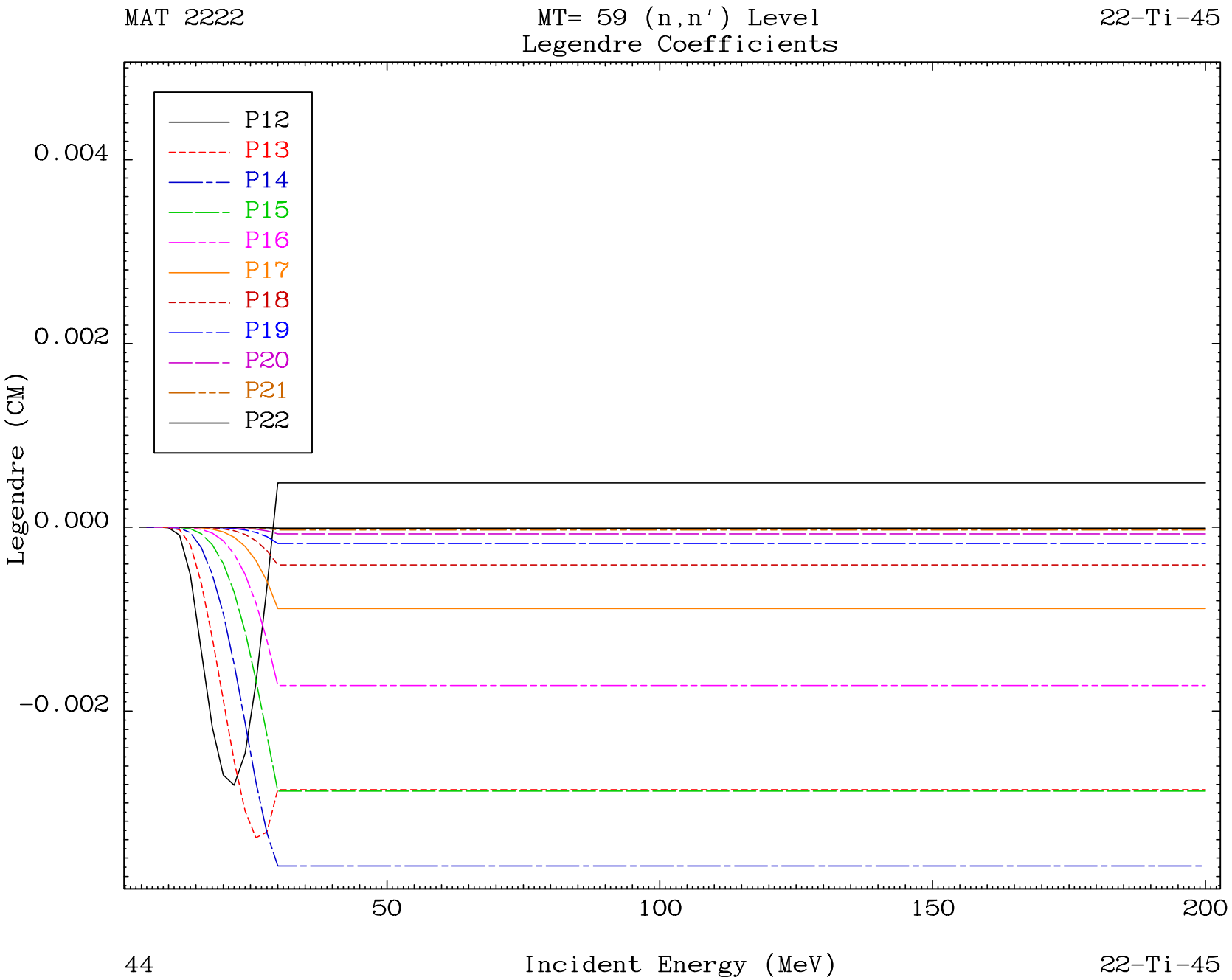

MAT 2222
MT= 57 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 -6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

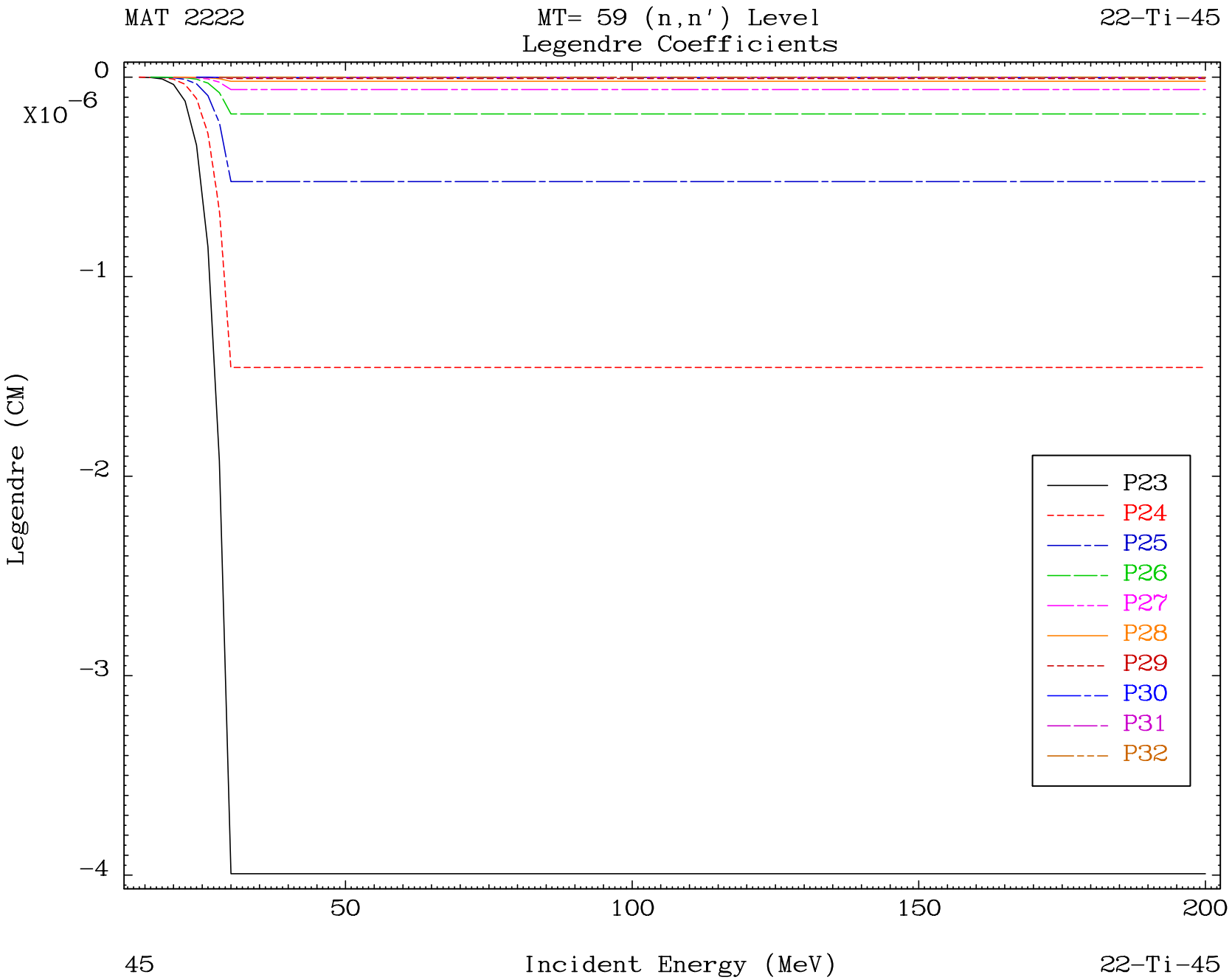

MAT 2222
MT= 58 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
40
Incident Energy (MeV)
22-Ti-45

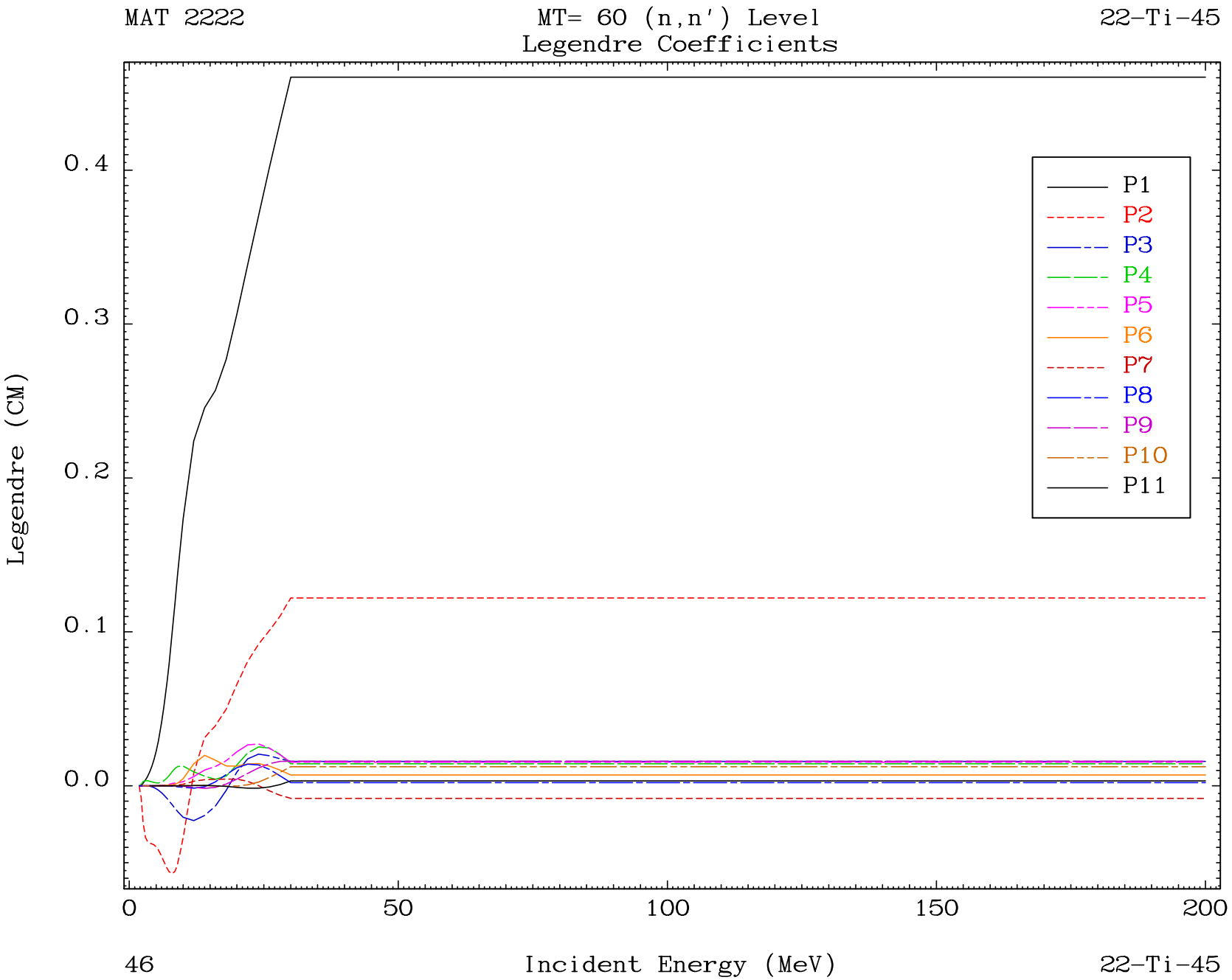

MAT 2222
MT= 58 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
22-Ti-45

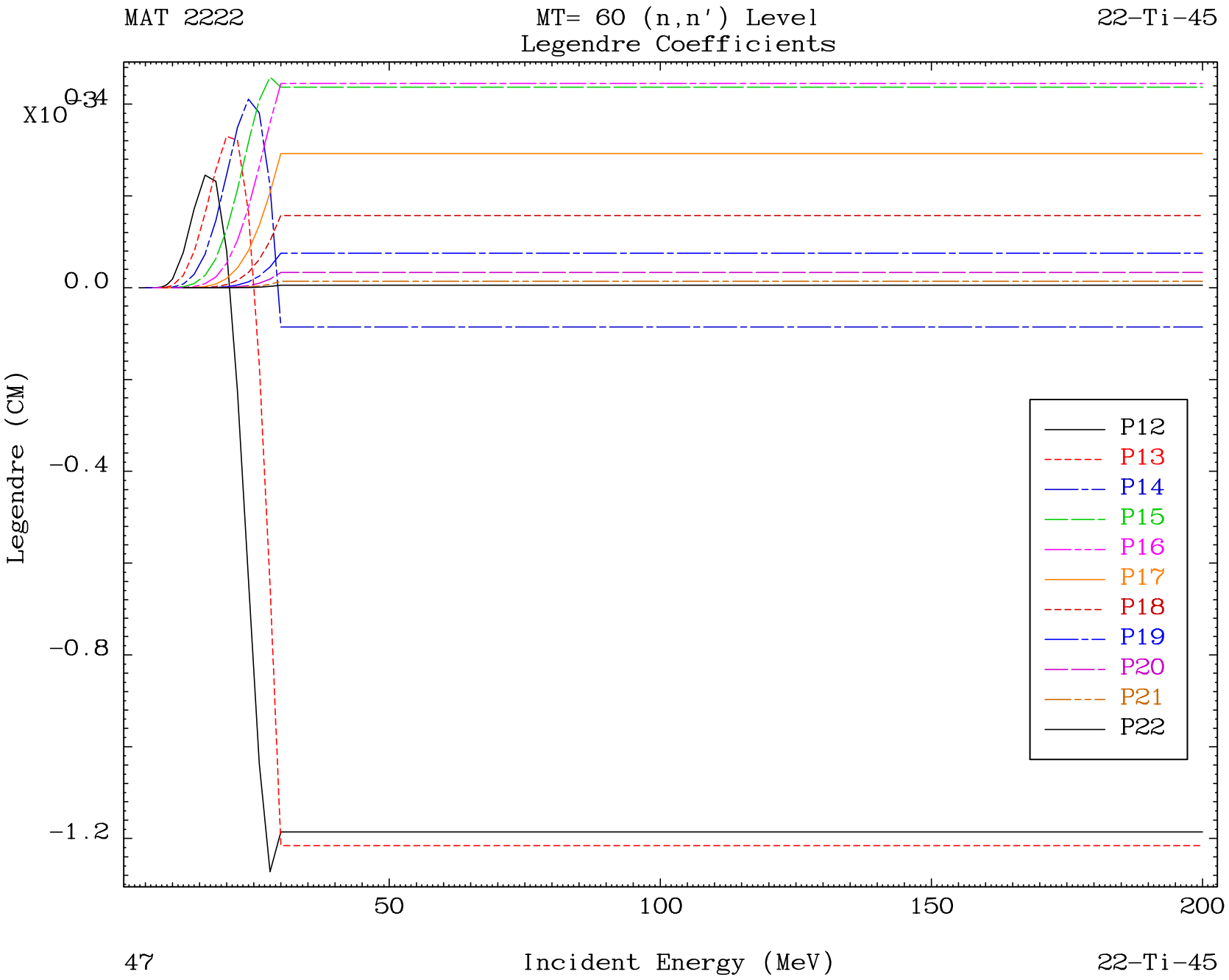

MAT 2222
MT= 58 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
42
Incident Energy (MeV)
22-Ti-45

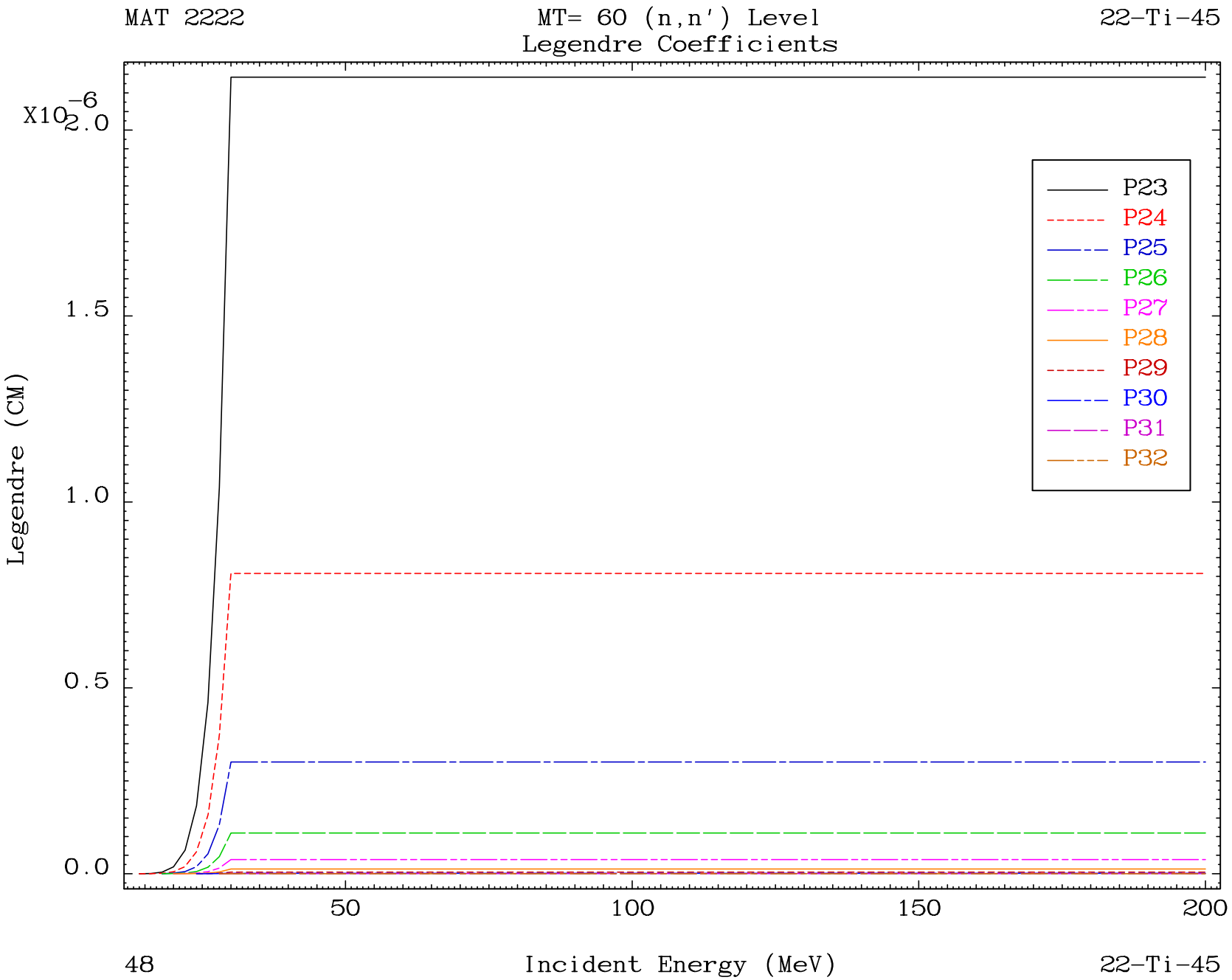

MAT 2222
MT= 59 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
43
Incident Energy (MeV)
22-Ti-45

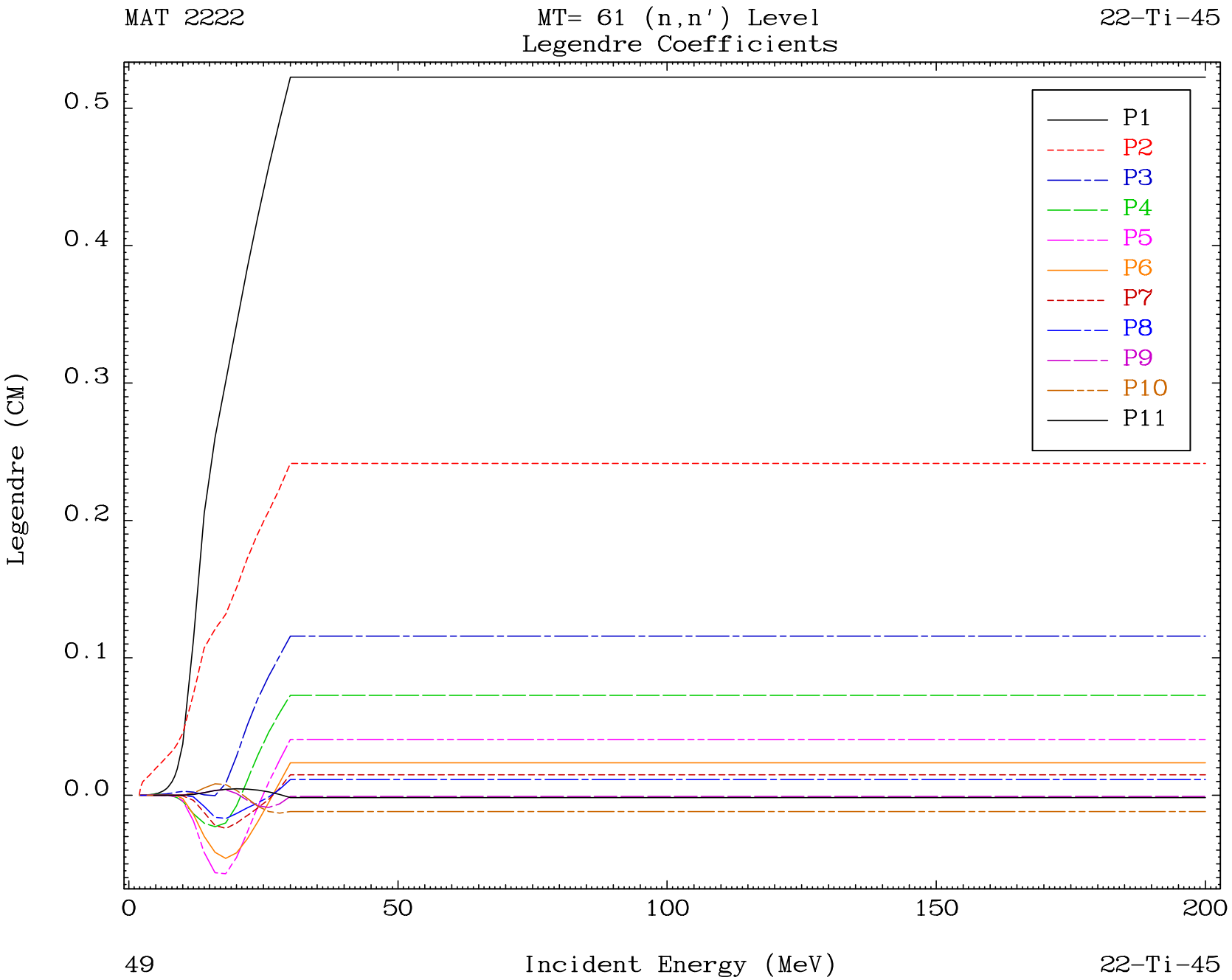

MAT 2222
MT= 59 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
22-Ti-45

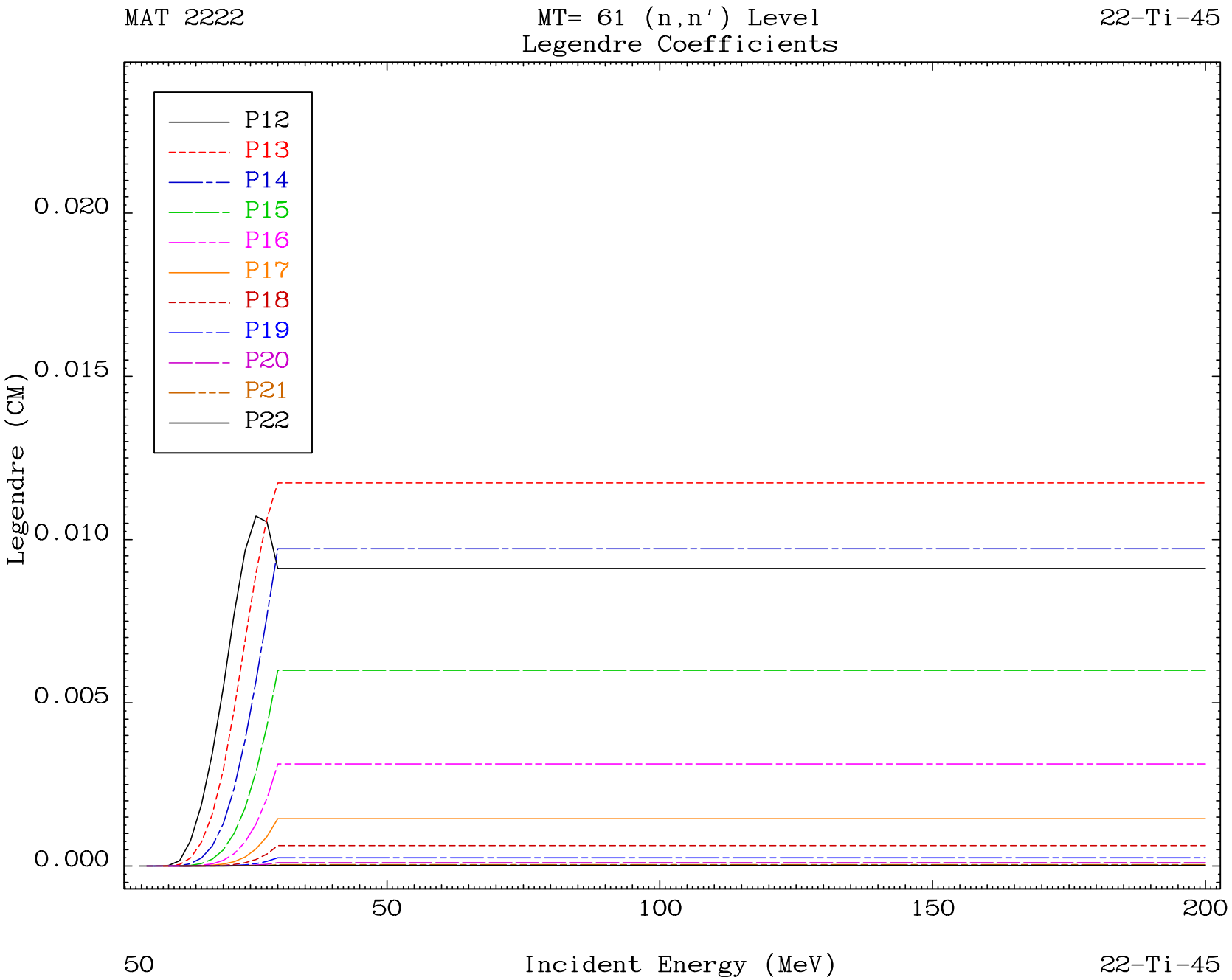

MAT 2222
MT= 59 (n,n') Level
Legendre Coefficients
22-Ti-45
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

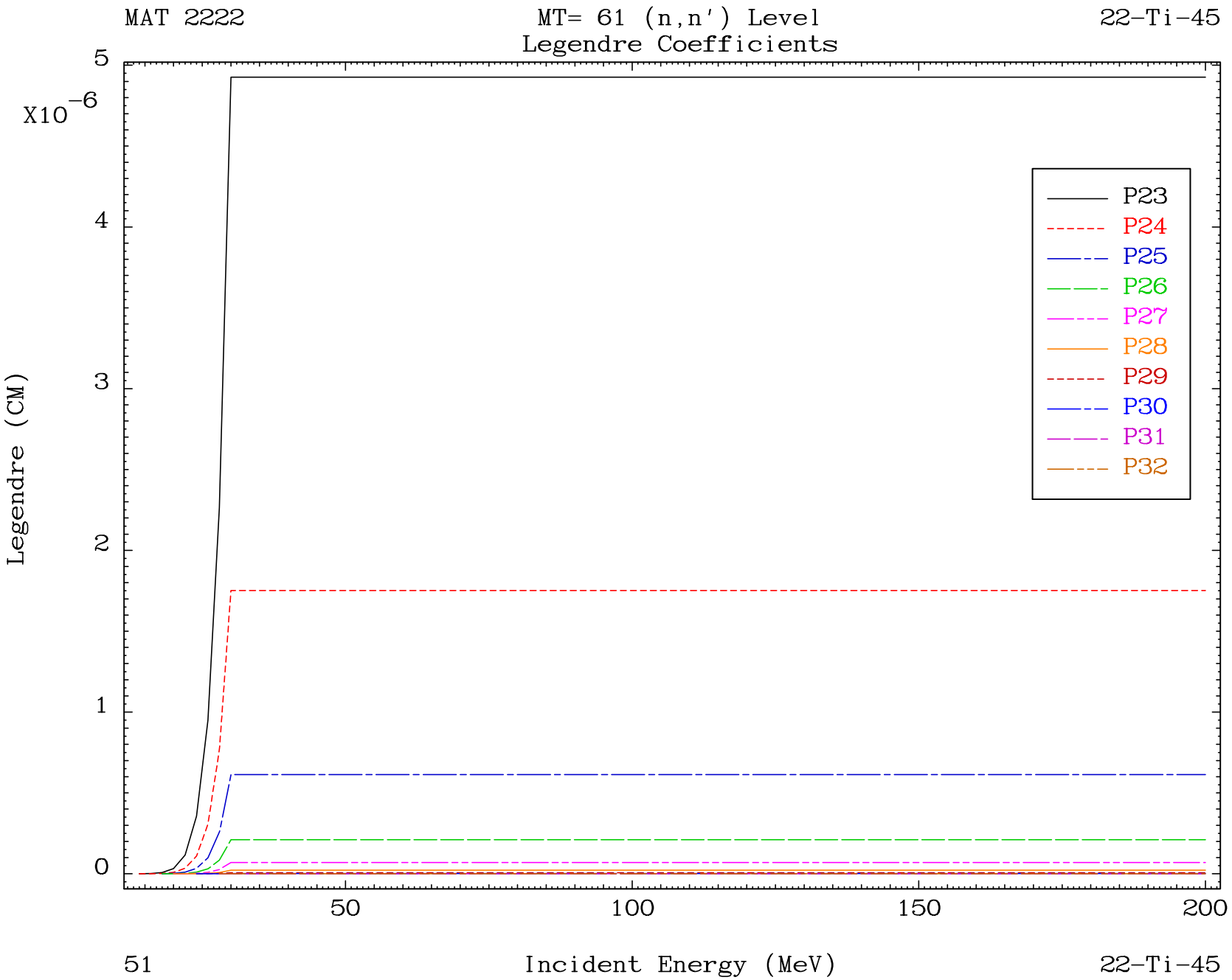

MAT 2222
MT= 60 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
46
Incident Energy (MeV)
22-Ti-45

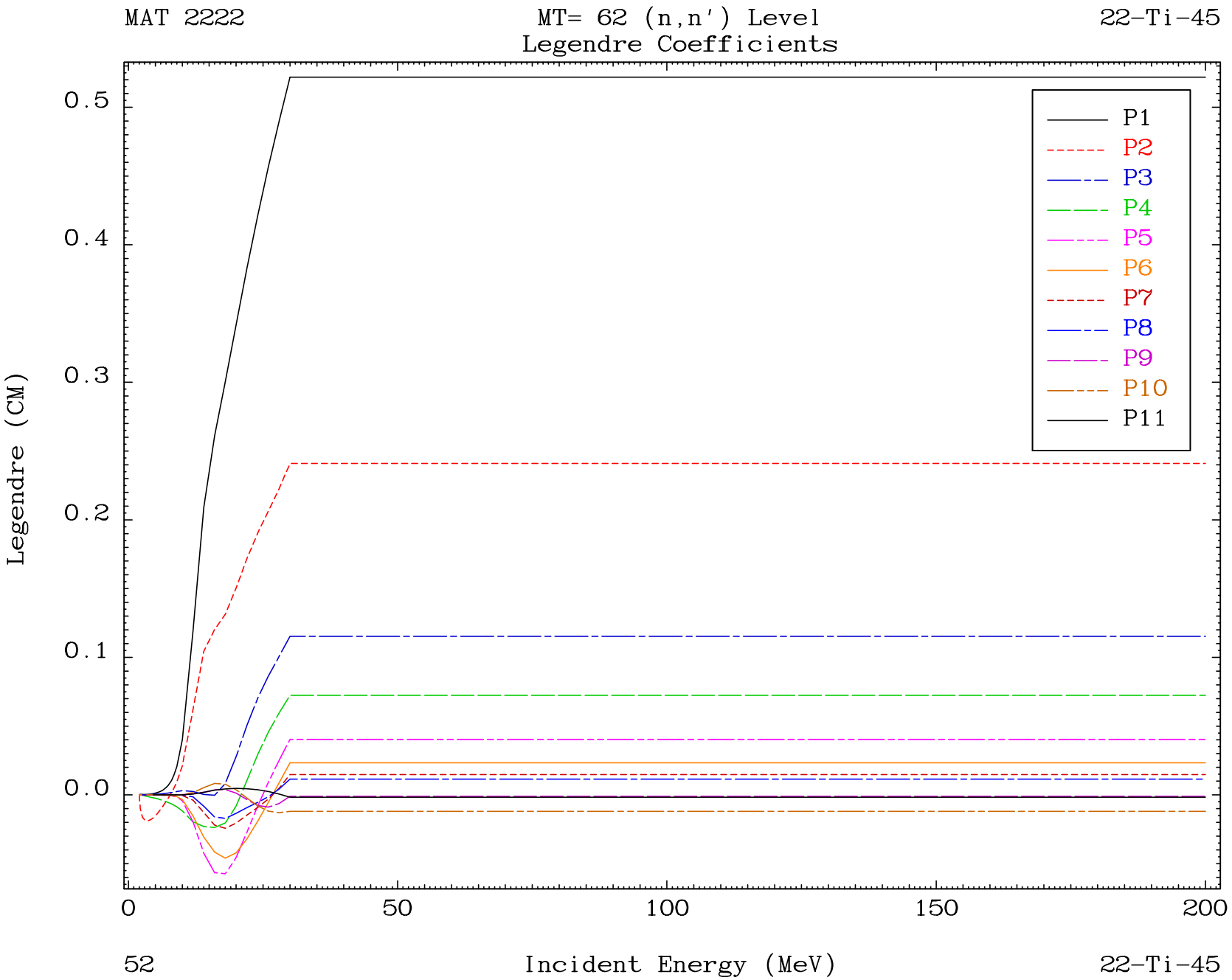

MAT 2222
MT= 60 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-34
0.0
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

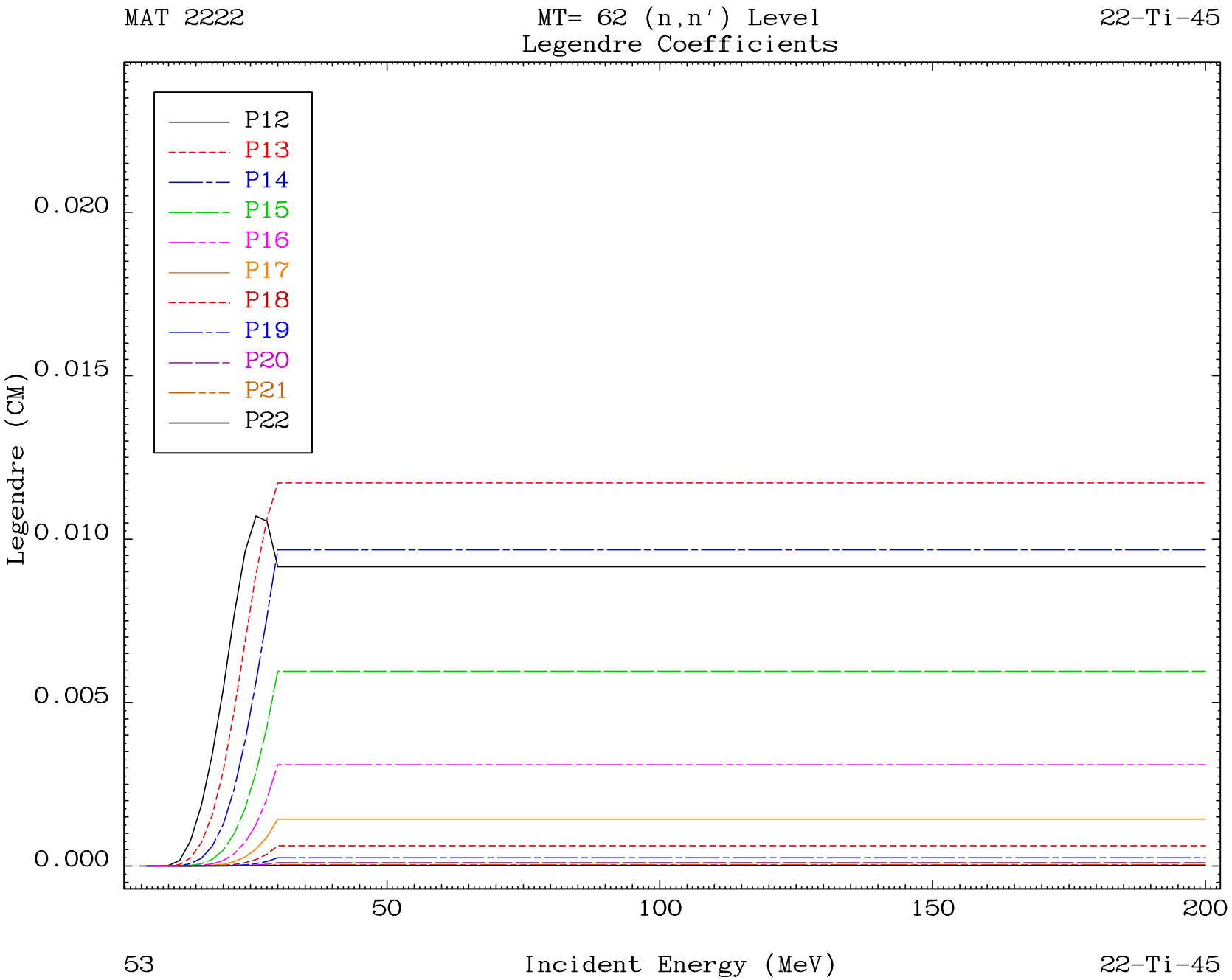

MAT 2222
MT= 60 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
48
Incident Energy (MeV)
22-Ti-45

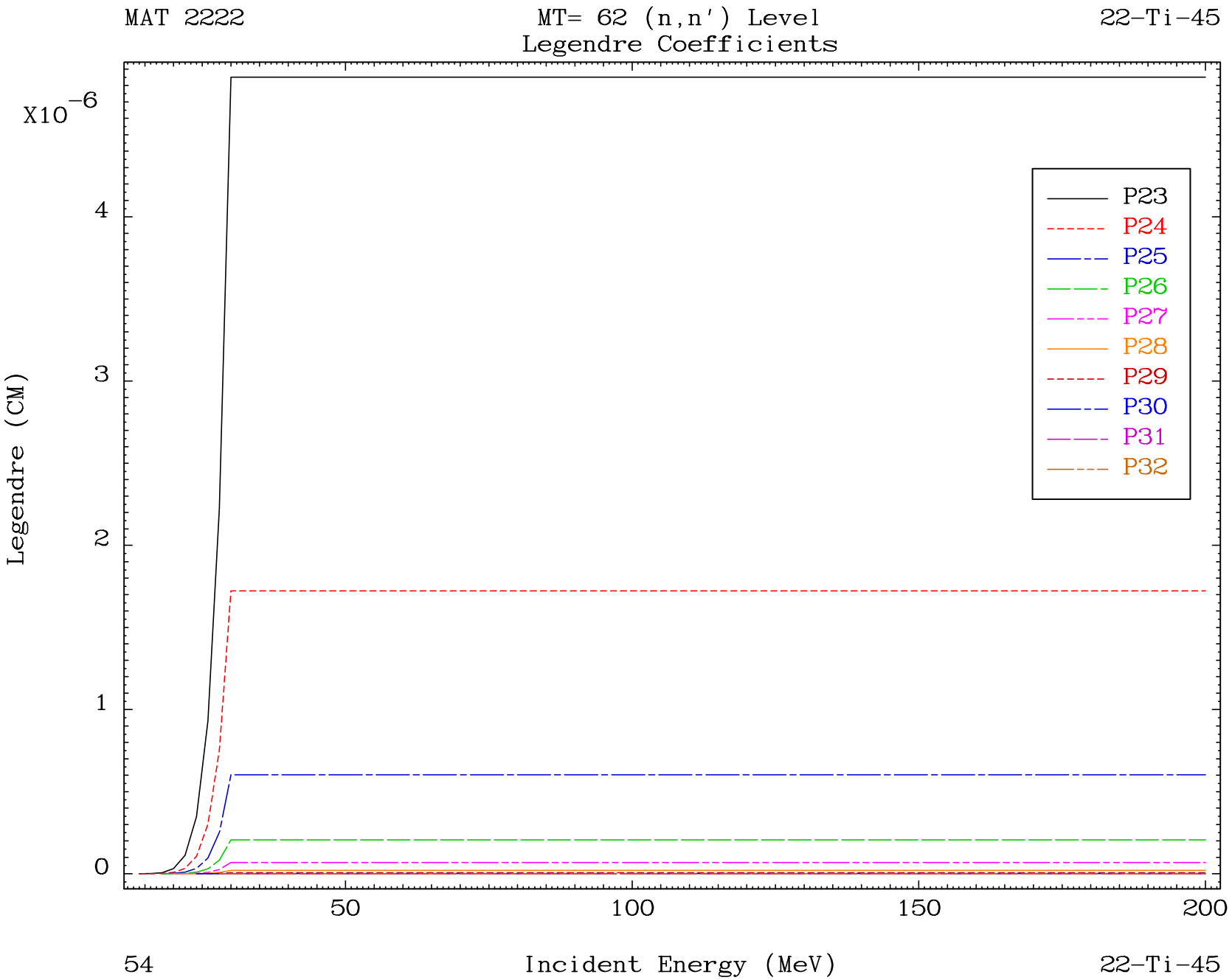

MAT 2222
MT= 61 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
49
Incident Energy (MeV)
22-Ti-45

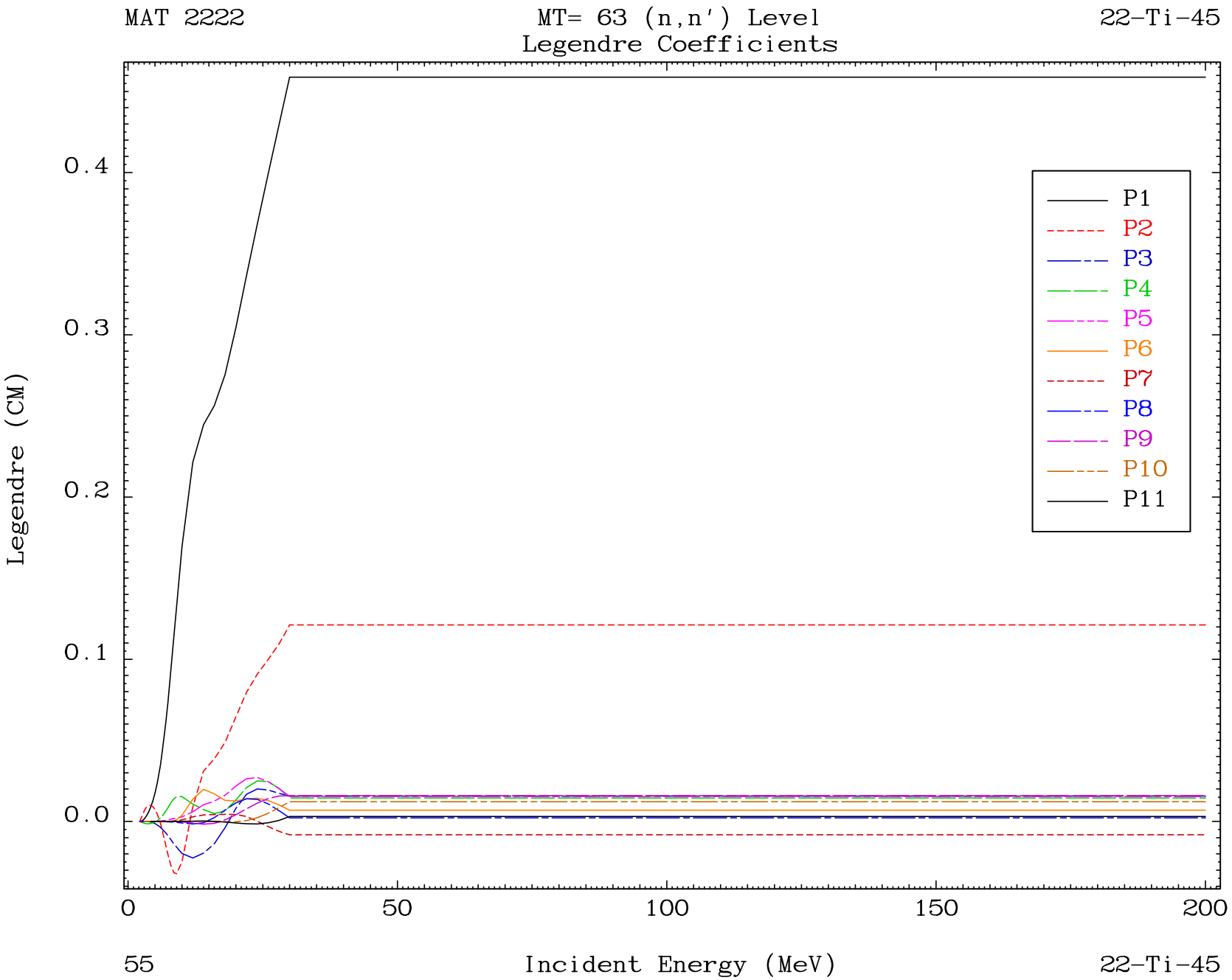

MAT 2222
MT= 61 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
22-Ti-45

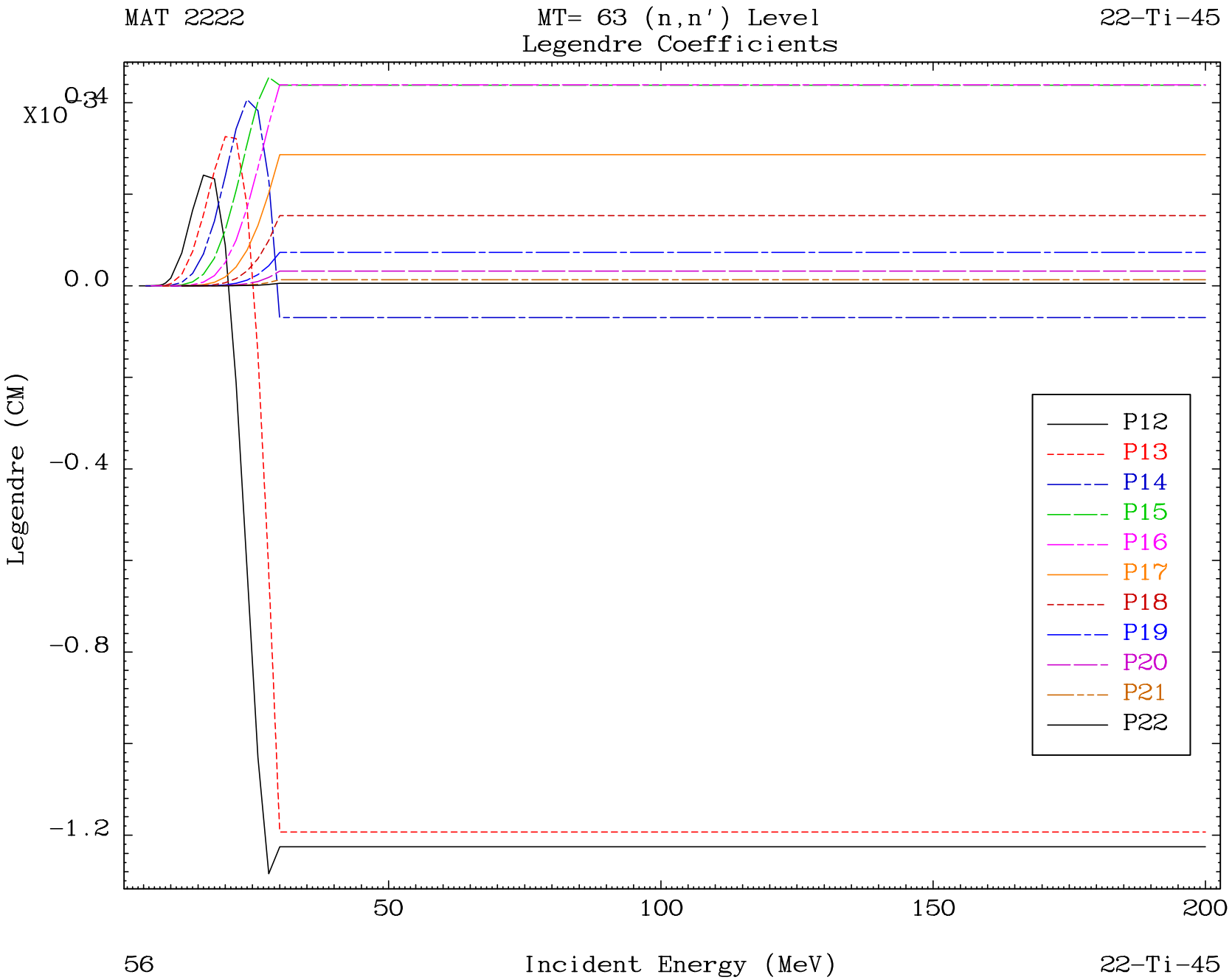

MAT 2222
MT= 61 (n,n') Level
Legendre Coefficients
22-Ti-45
X10^-6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

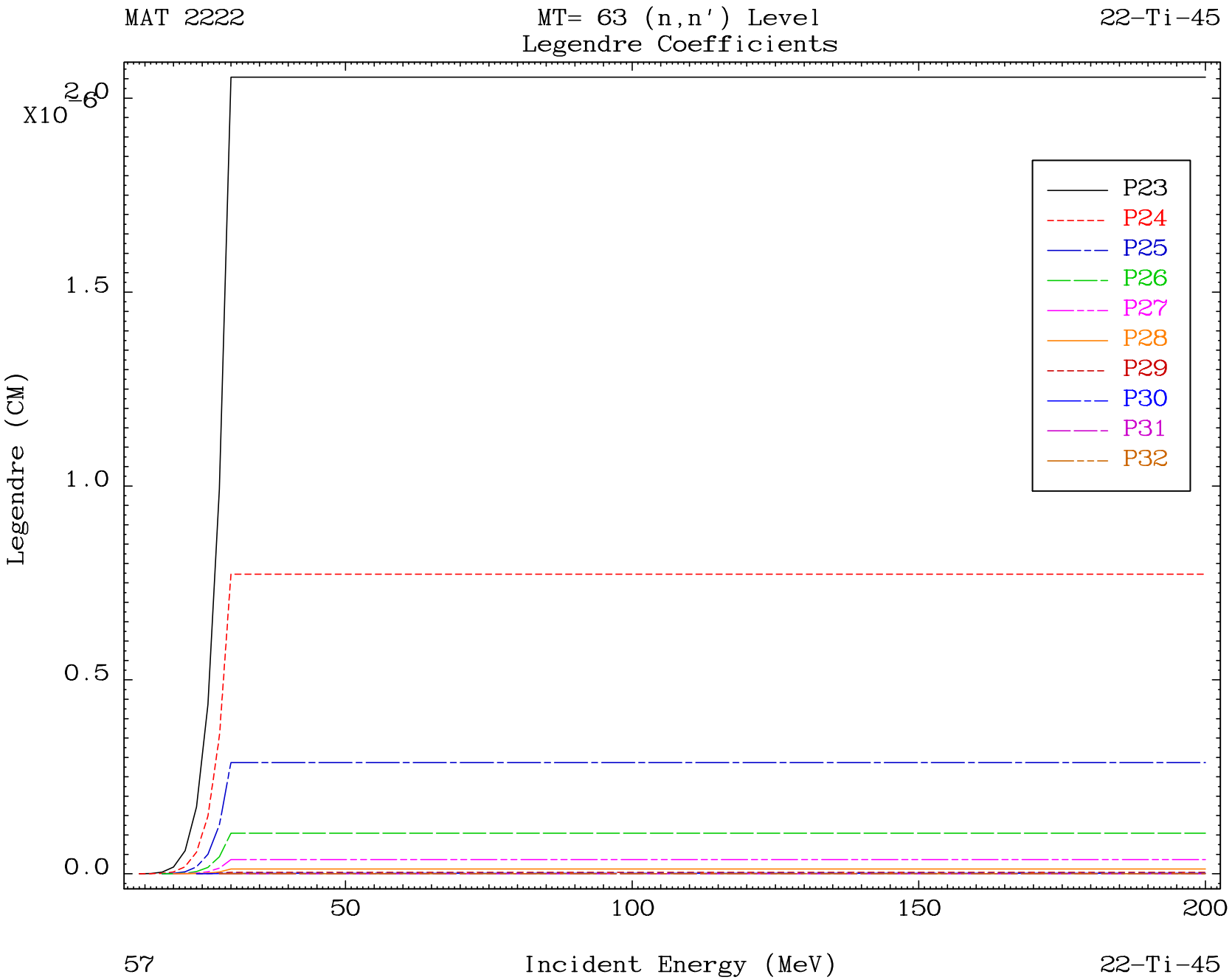

MAT 2222
MT= 62 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
52
Incident Energy (MeV)
22-Ti-45

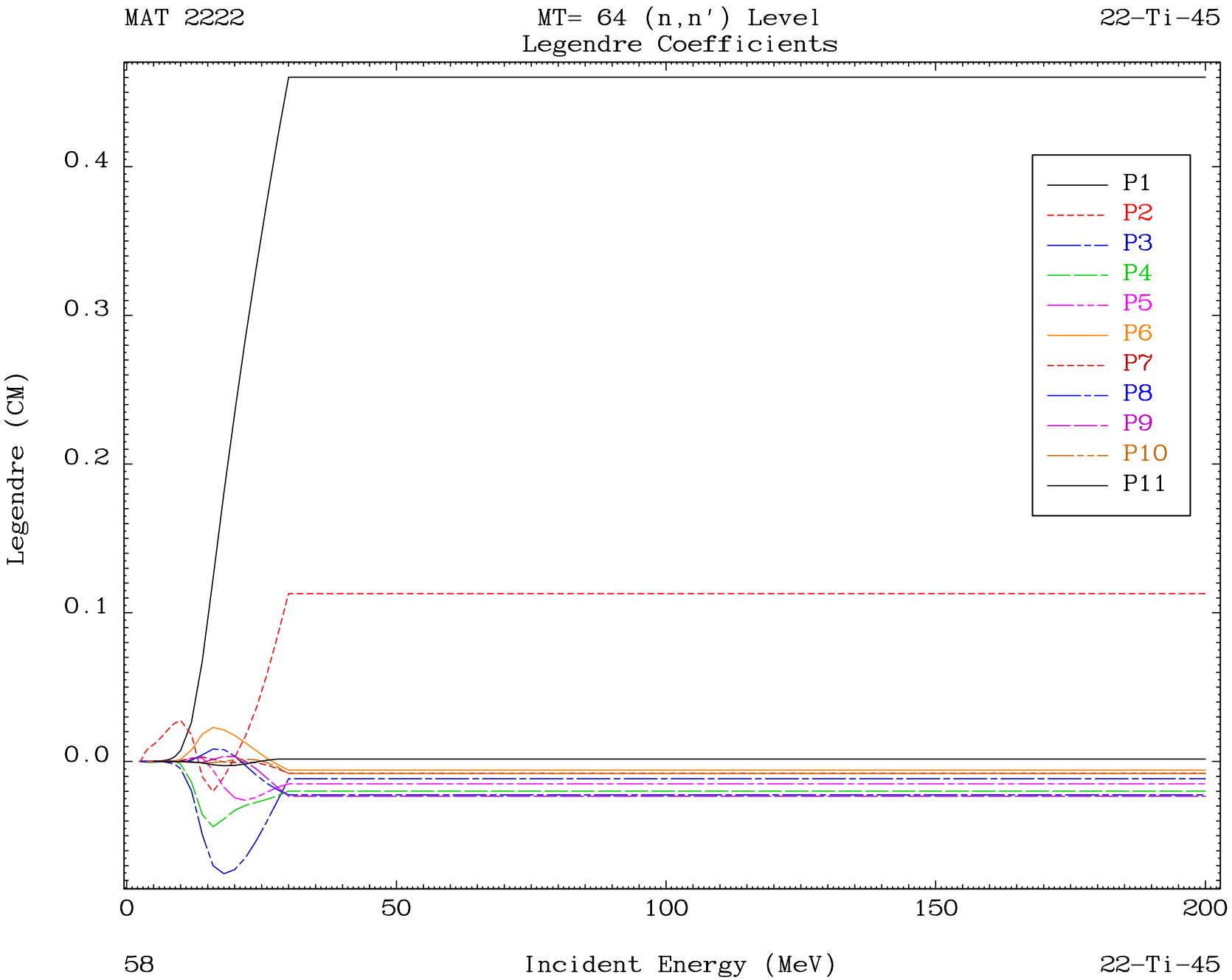

MAT 2222
MT= 62 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
22-Ti-45

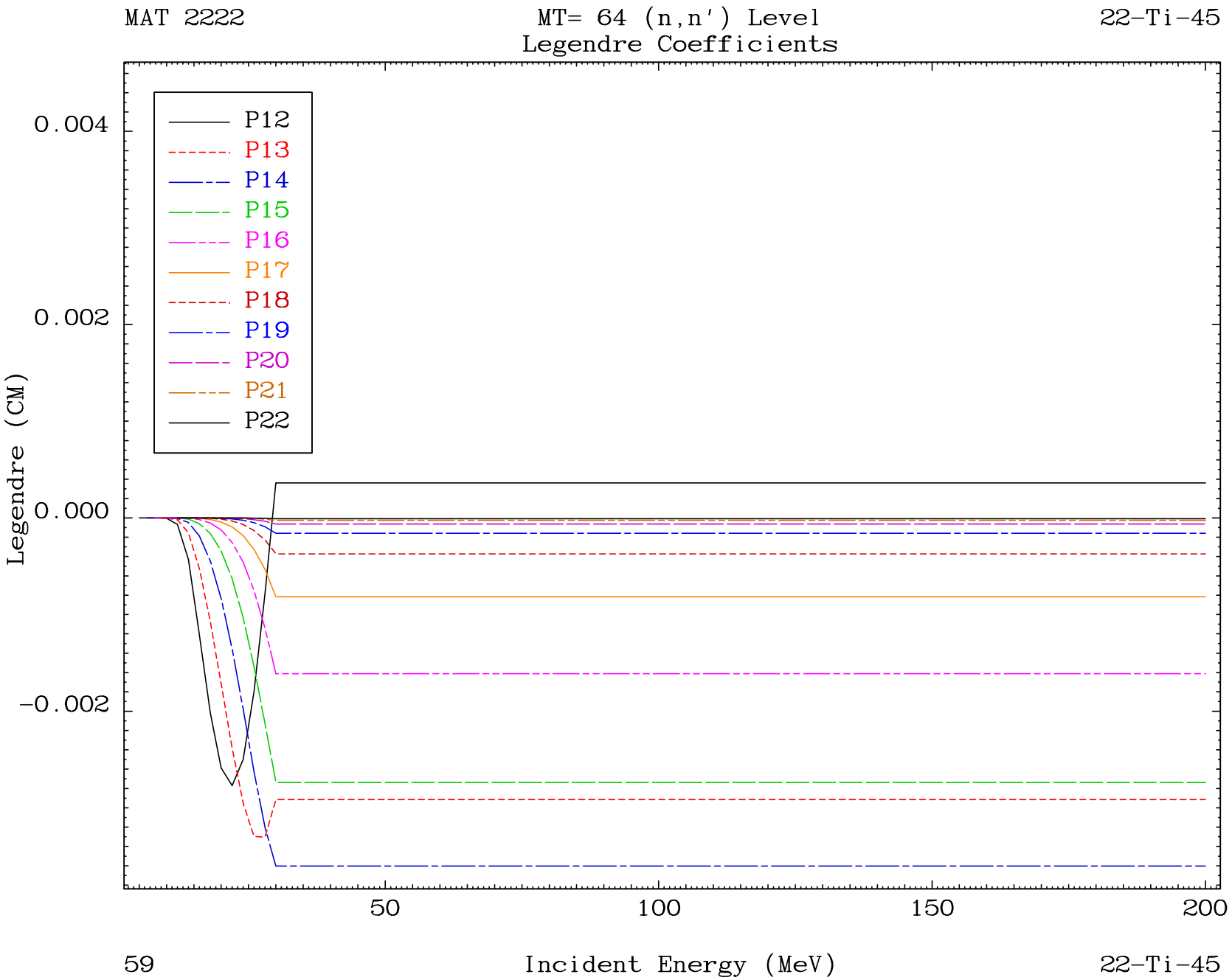

MAT 2222
MT= 62 (n,n') Level
Legendre Coefficients
22-Ti-45
X10^-6
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
54
Incident Energy (MeV)
22-Ti-45

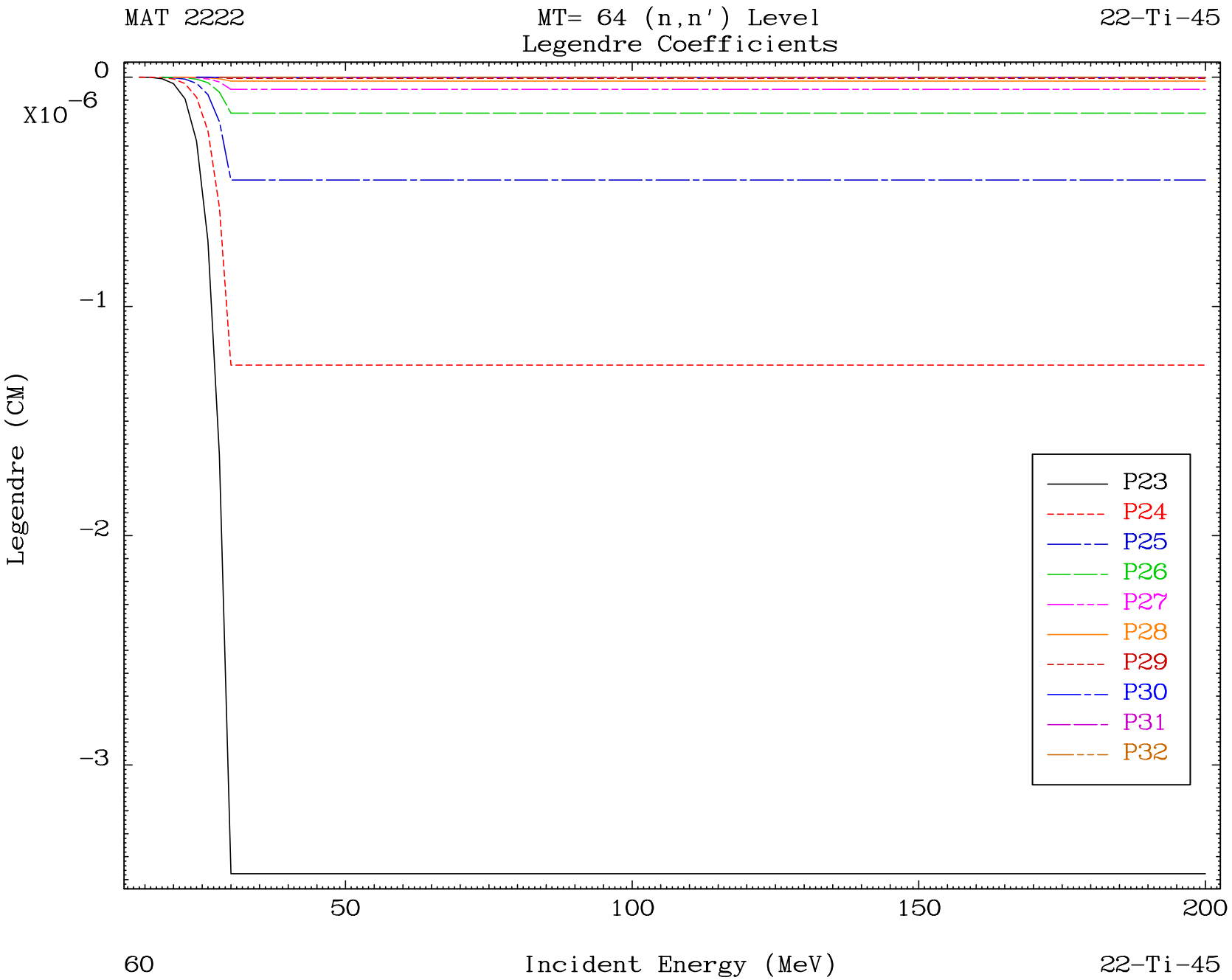

MAT 2222
MT= 63 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
55
Incident Energy (MeV)
22-Ti-45

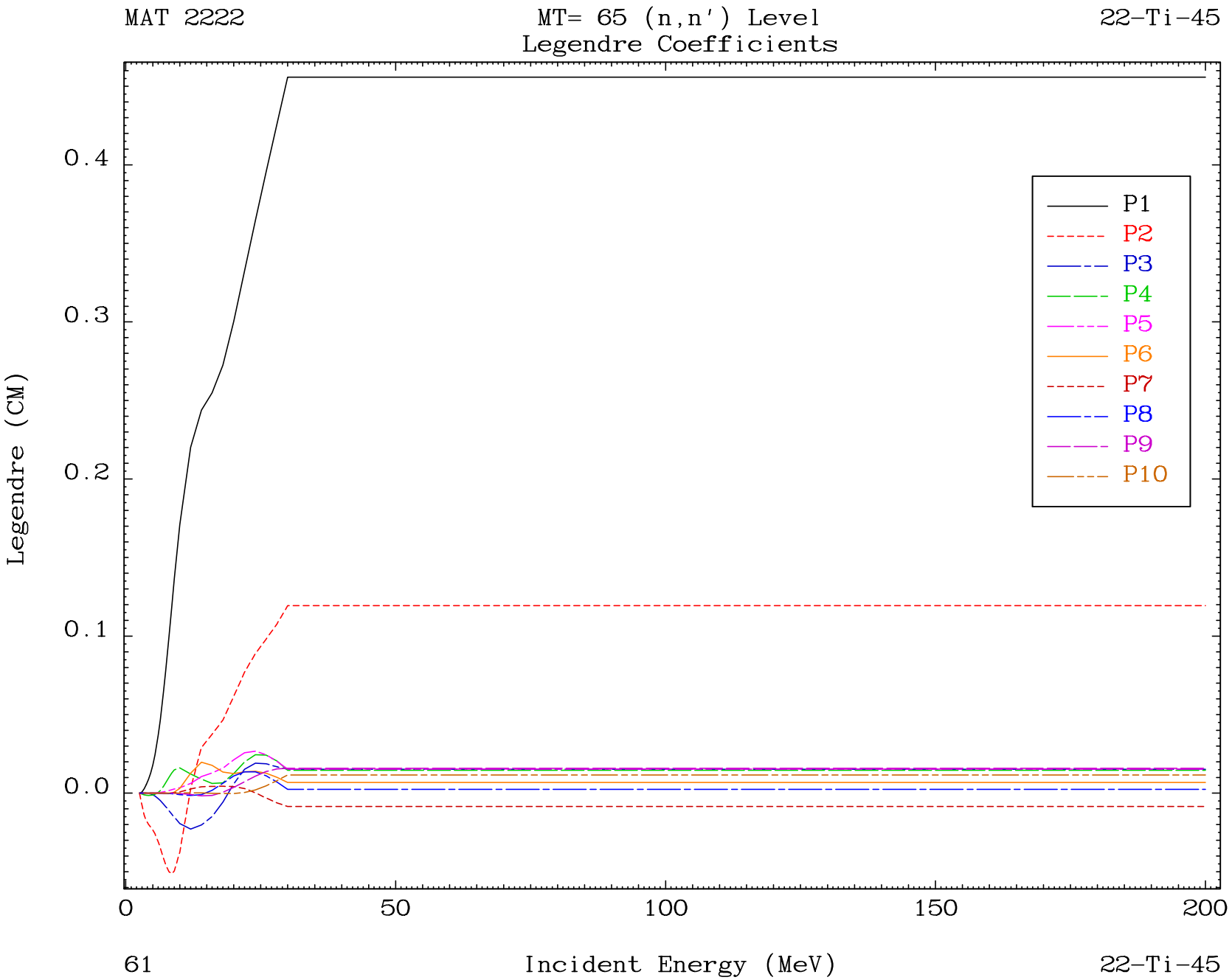

MAT 2222
MT= 63 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-34
0.0
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

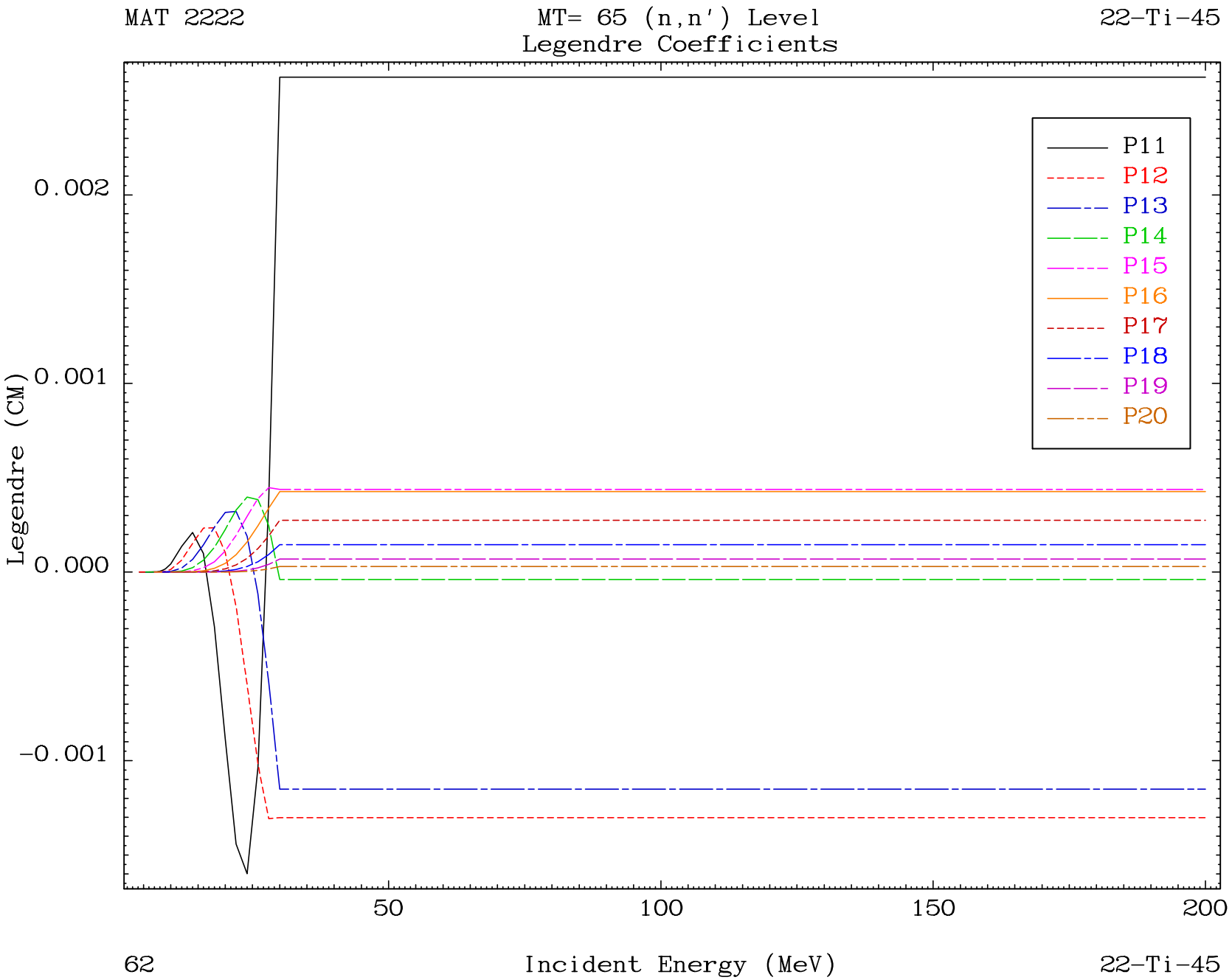

MAT 2222
MT= 63 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
57
Incident Energy (MeV)
22-Ti-45

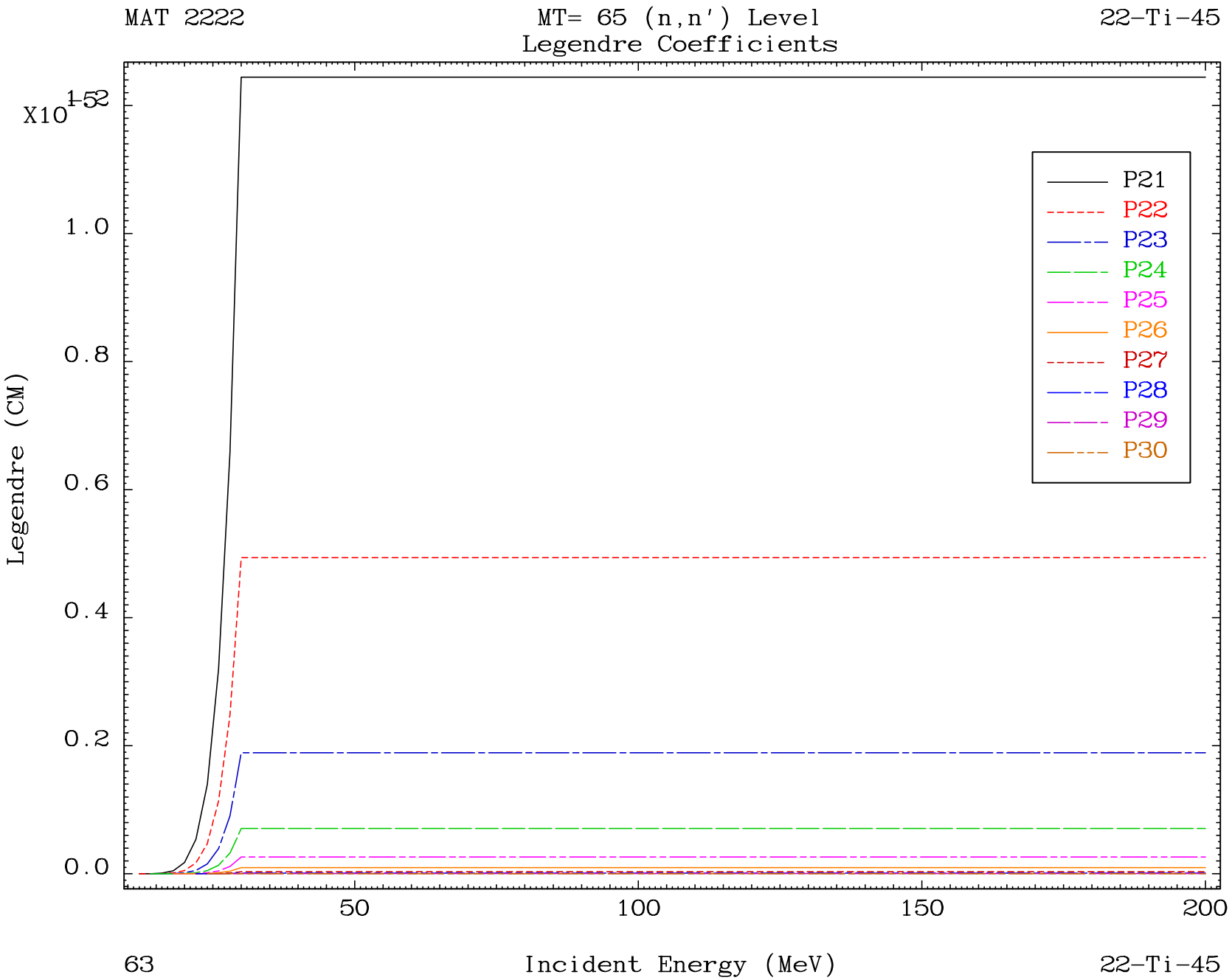

MAT 2222
MT= 64 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
58
Incident Energy (MeV)
22-Ti-45

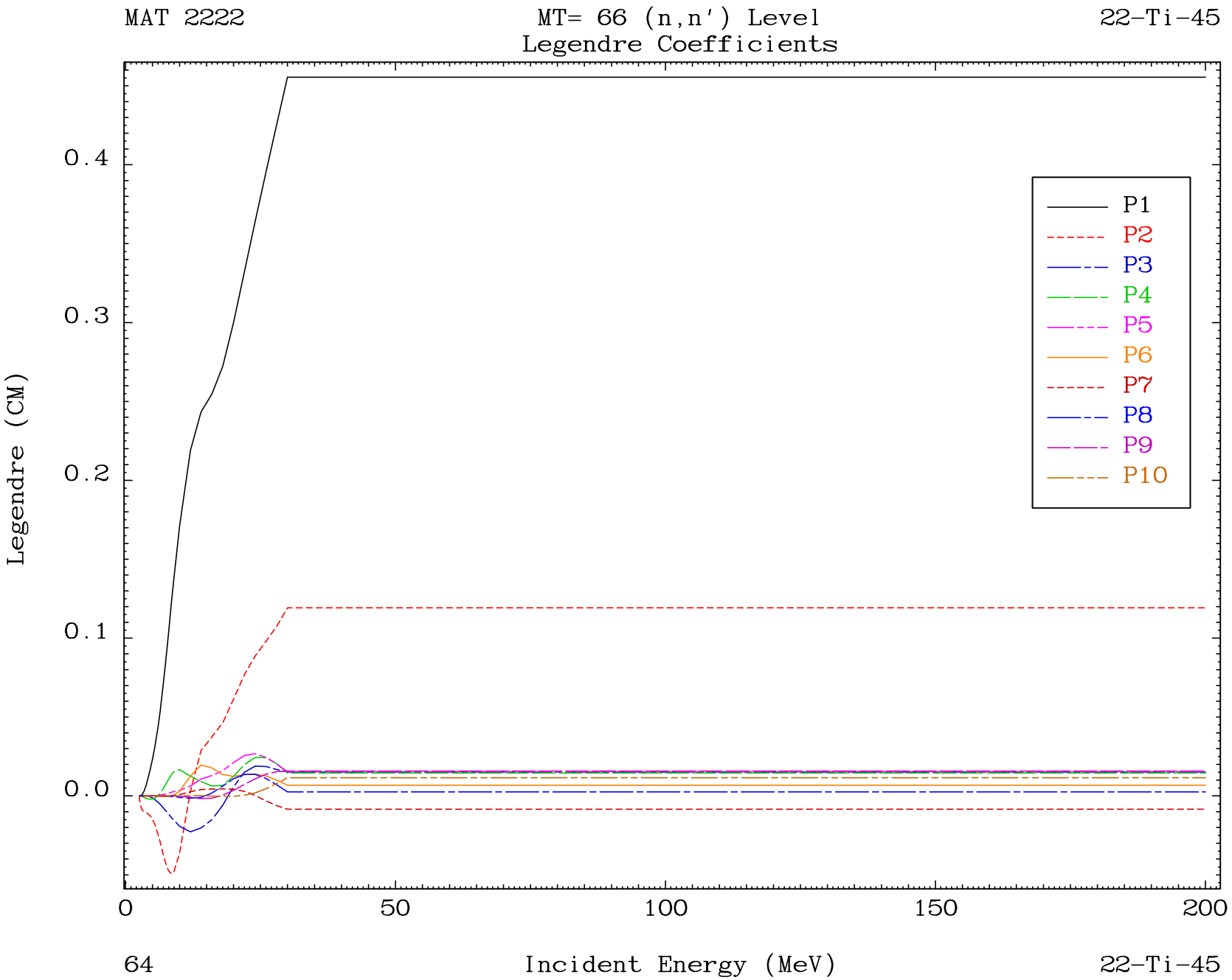

MAT 2222
MT= 64 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
22-Ti-45

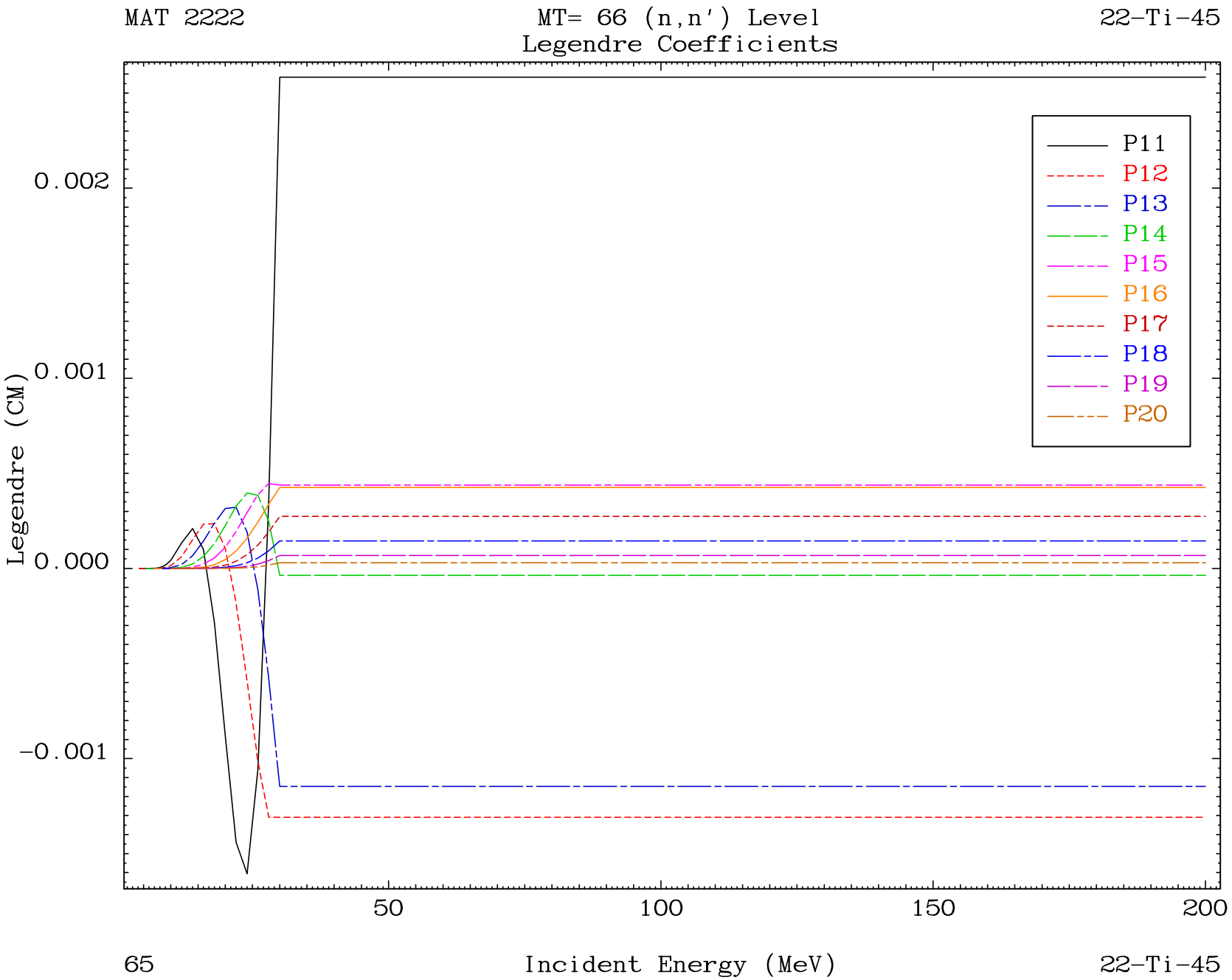

MAT 2222
MT= 64 (n,n') Level
Legendre Coefficients
22-Ti-45
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

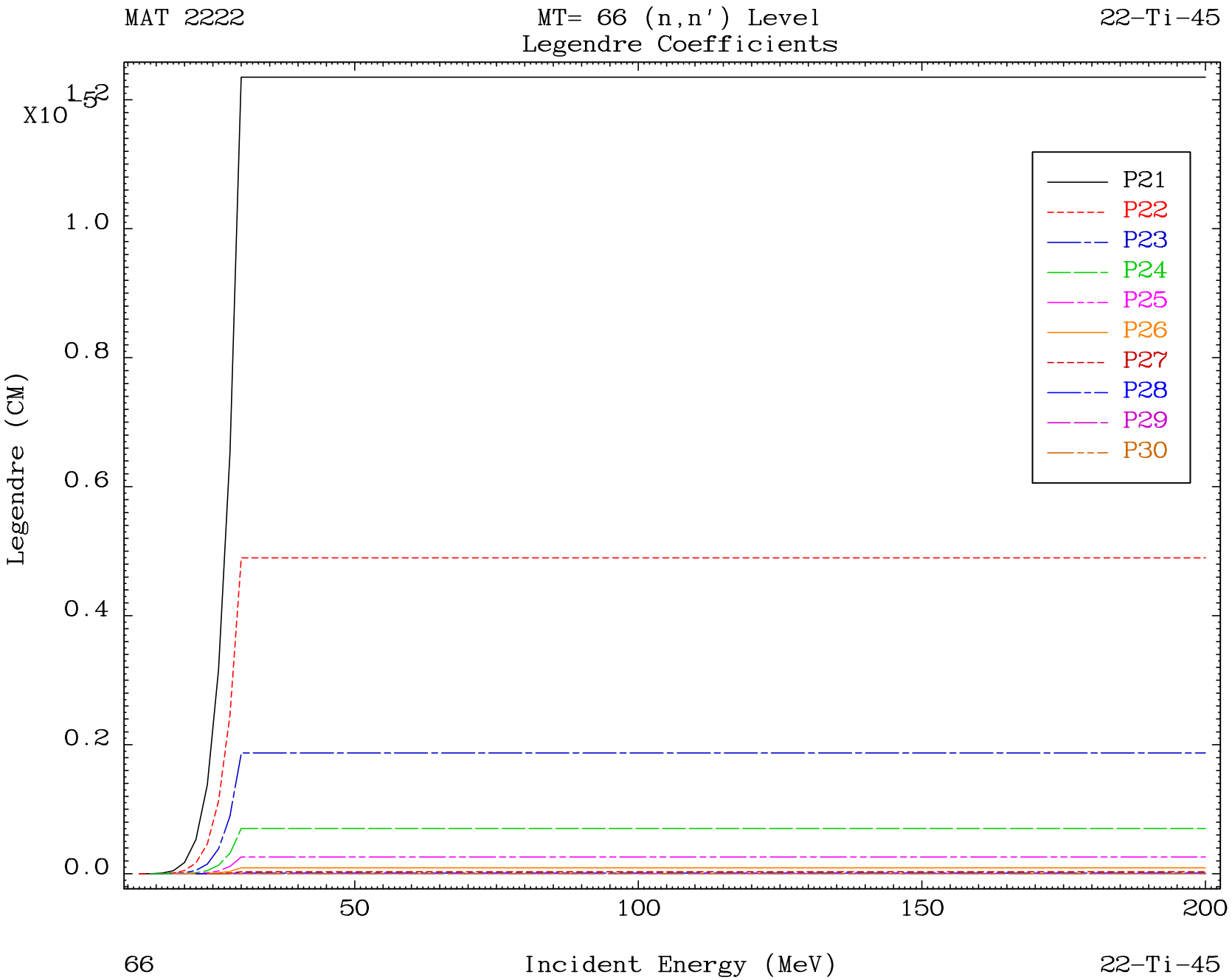

MAT 2222
MT= 65 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
61
Incident Energy (MeV)
22-Ti-45

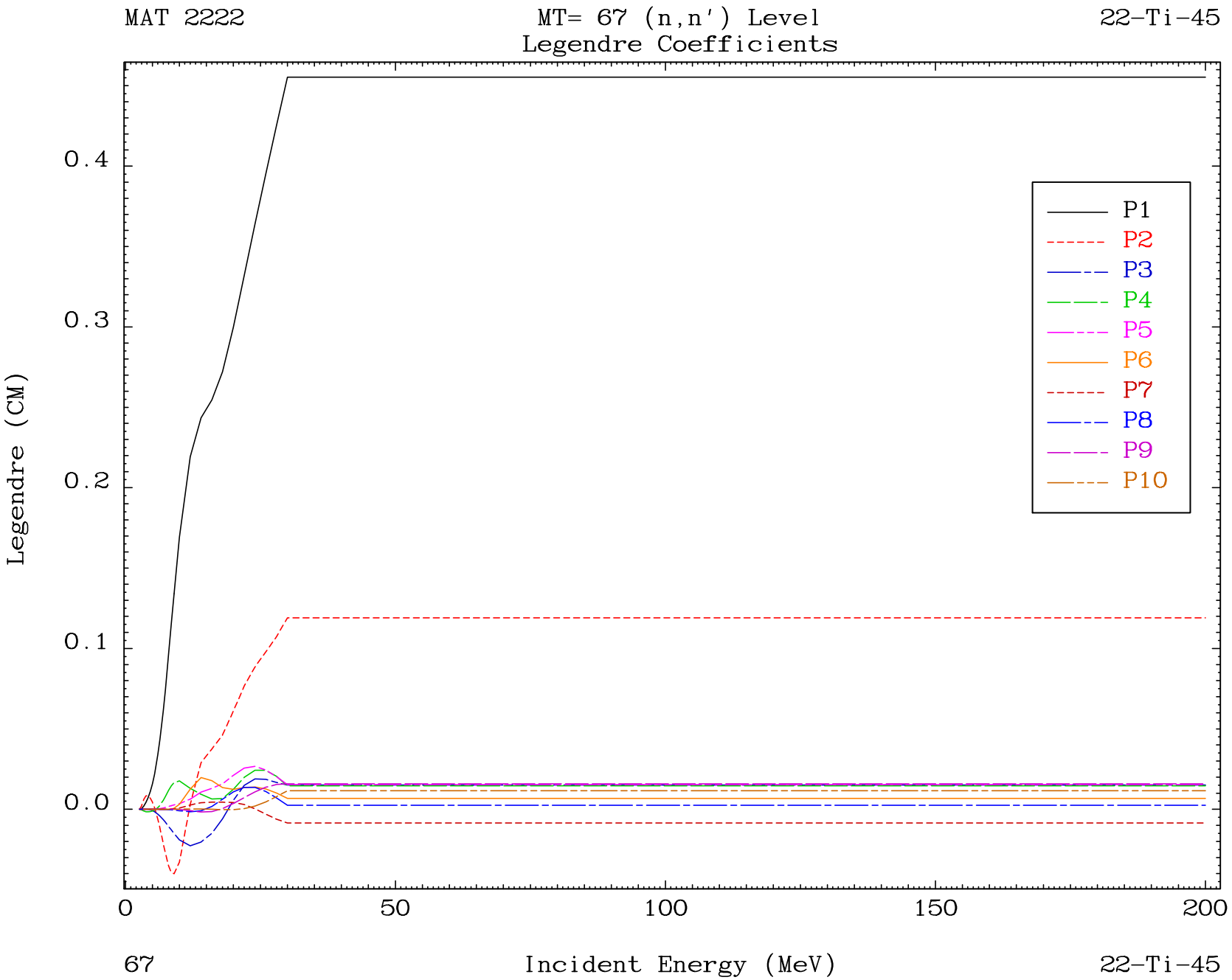

MAT 2222
MT= 65 (n,n') Level
Legendre Coefficients
22-Ti-45
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
22-Ti-45

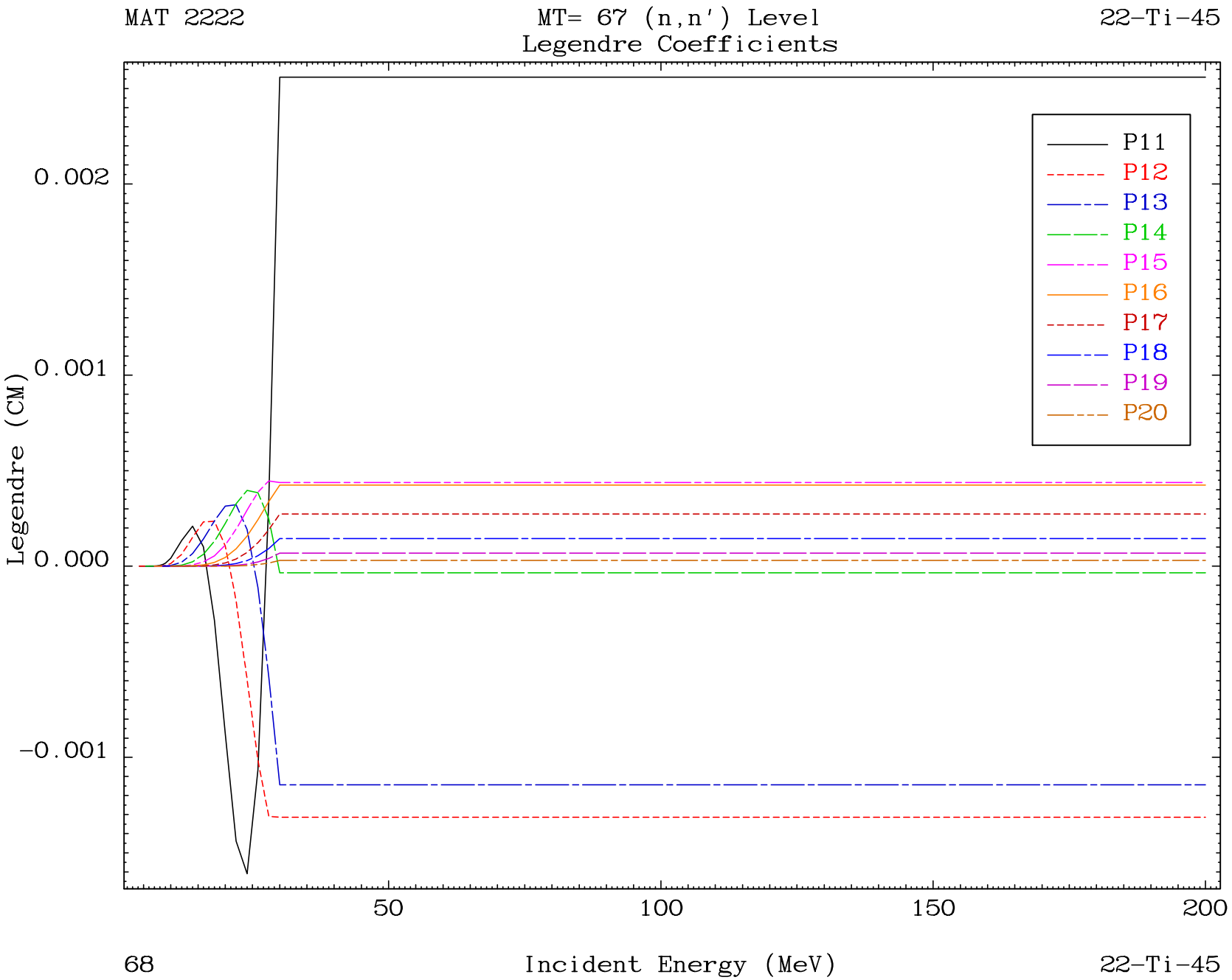

MAT 2222
MT= 65 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-12
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
22-Ti-45
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

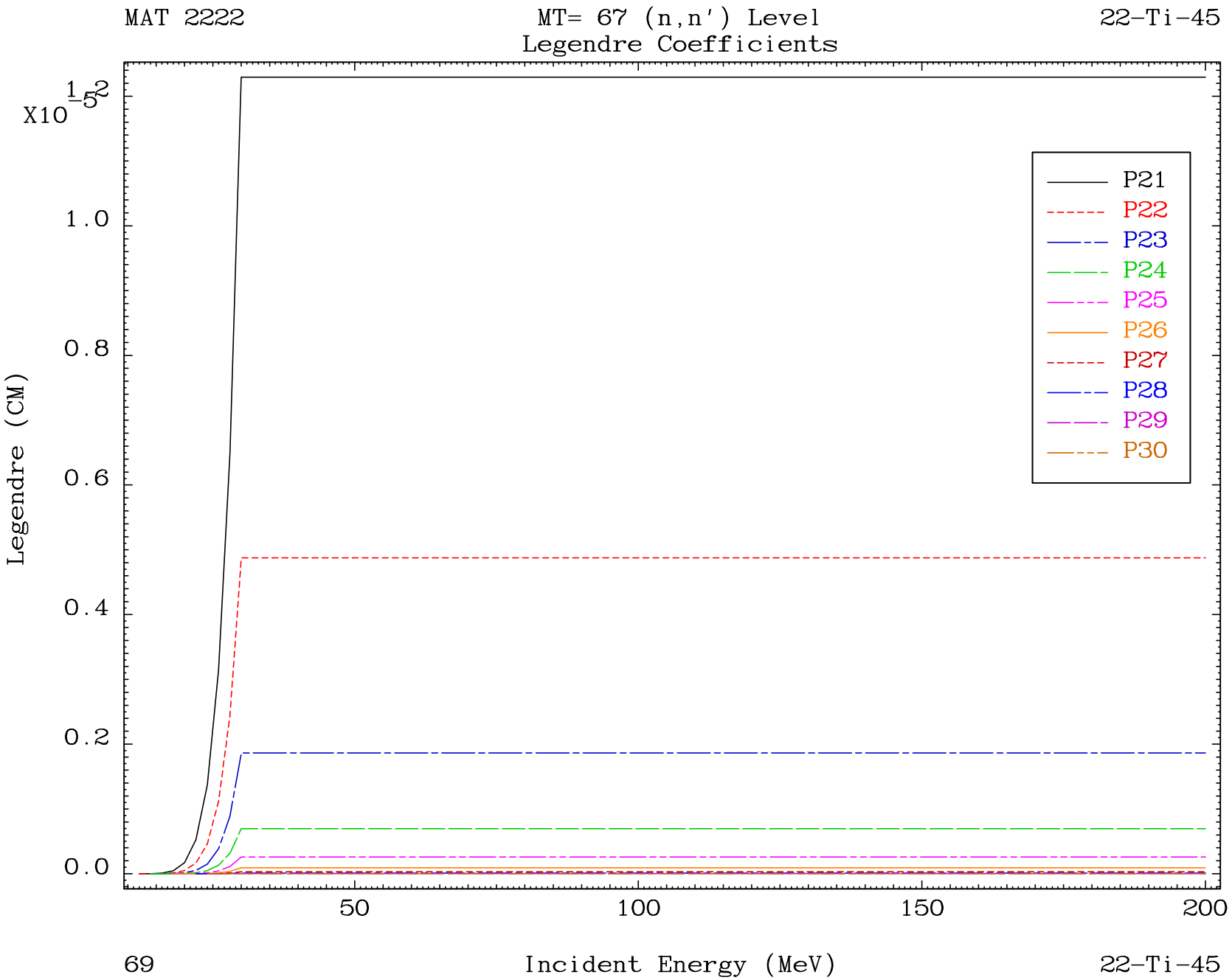

MAT 2222
MT= 66 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
64
Incident Energy (MeV)
22-Ti-45

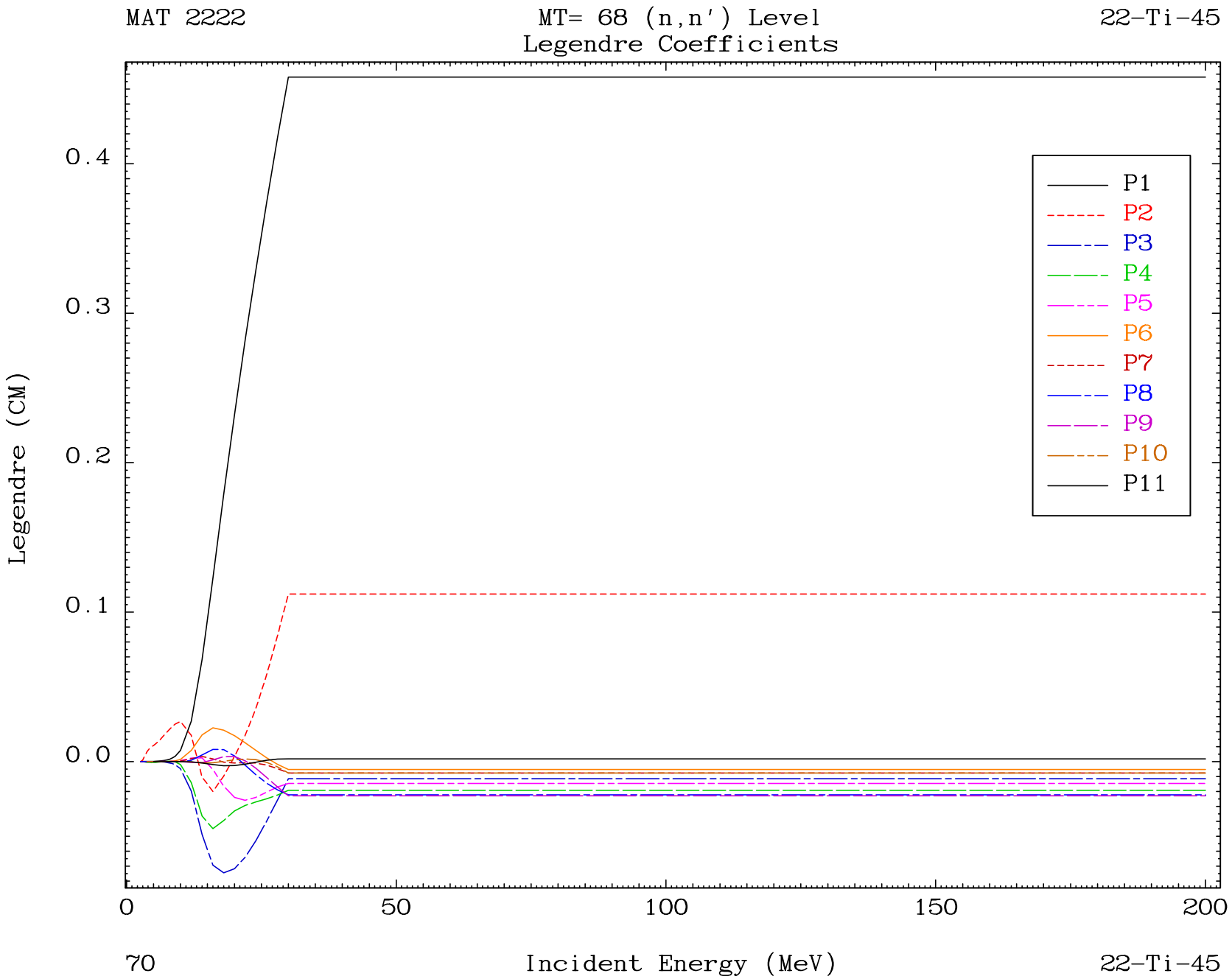

MAT 2222
MT= 66 (n,n') Level
Legendre Coefficients
22-Ti-45
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
22-Ti-45

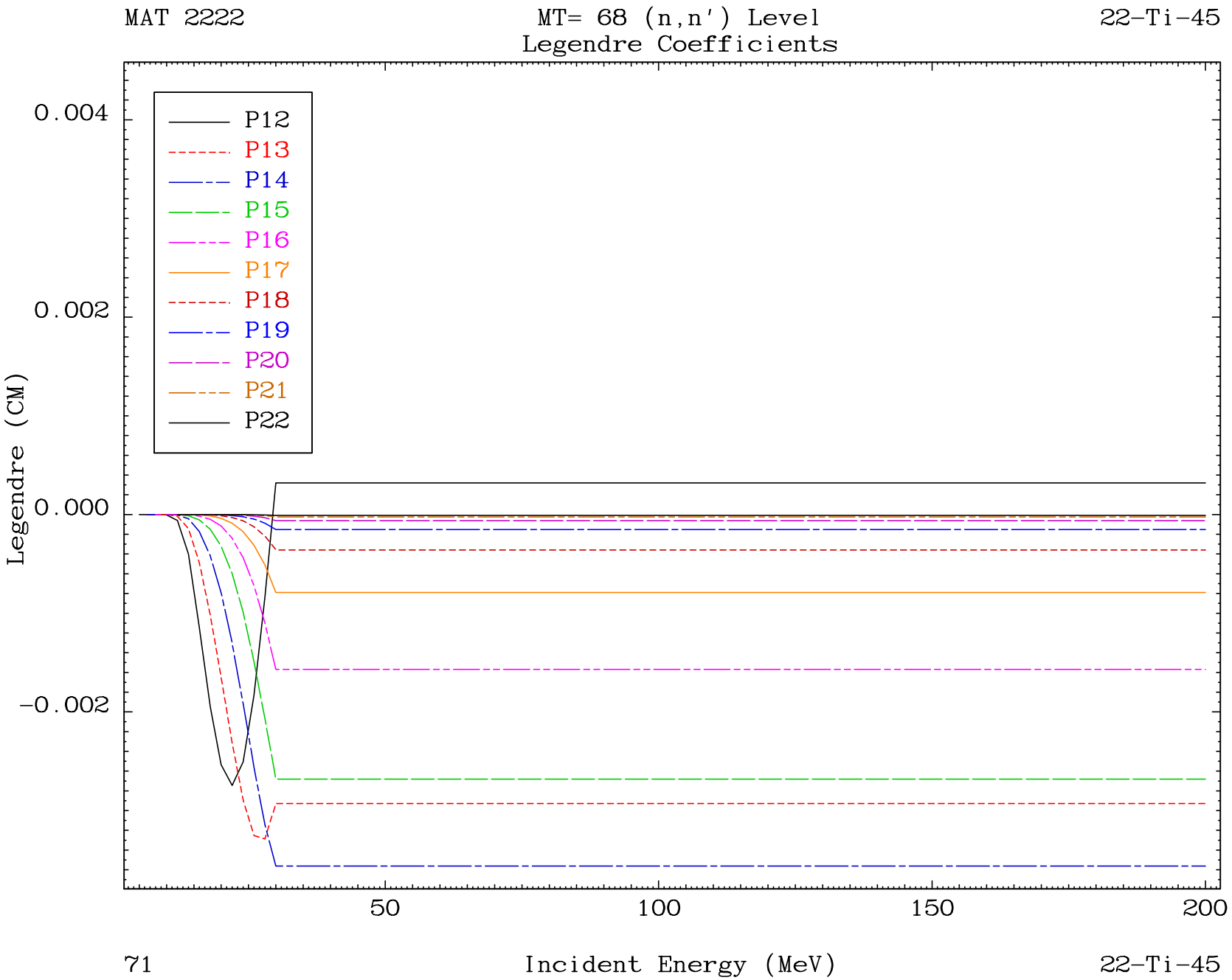

MAT 2222
MT= 66 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-2
1.5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
66
Incident Energy (MeV)
22-Ti-45

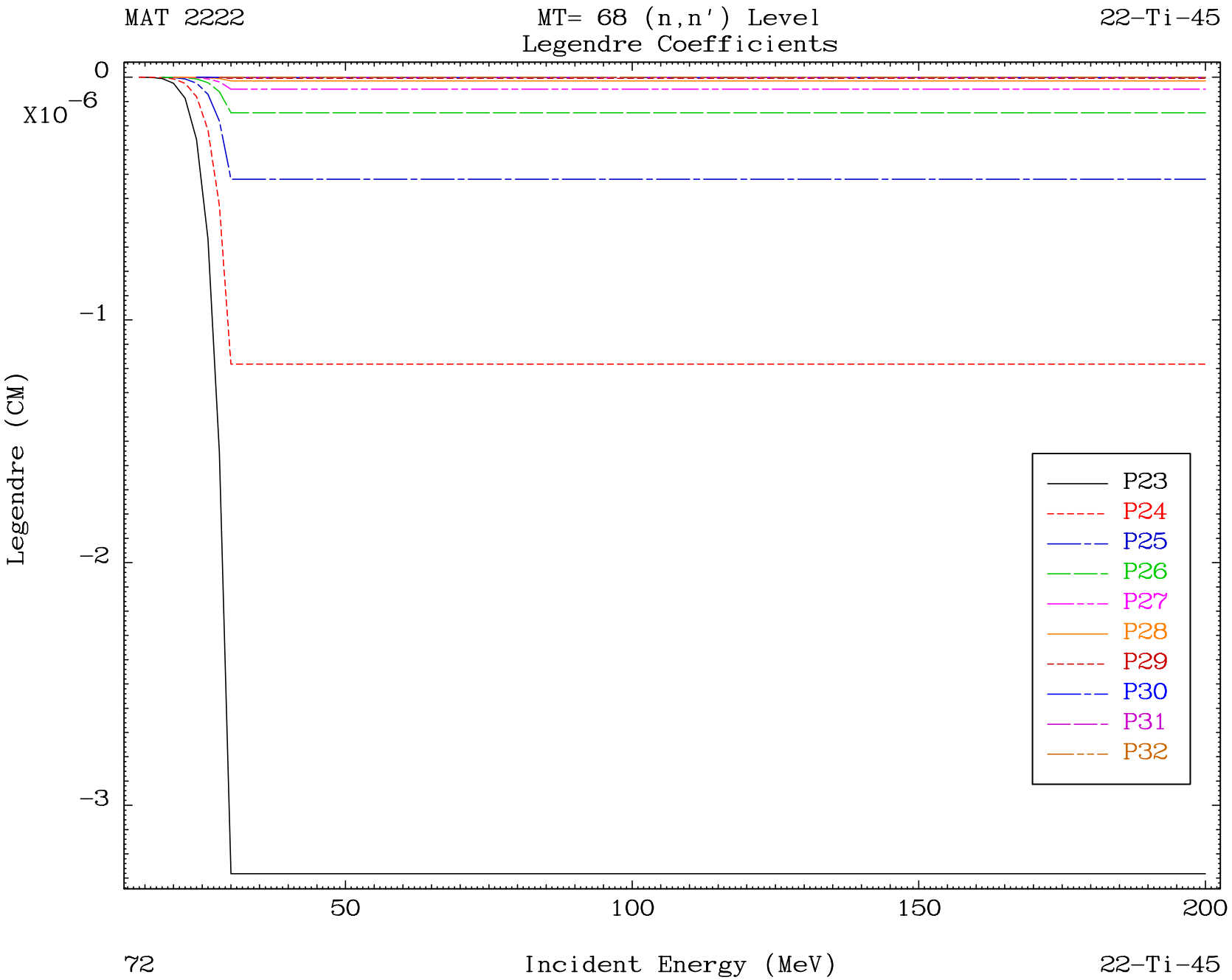

MAT 2222
MT= 67 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
67
Incident Energy (MeV)
22-Ti-45

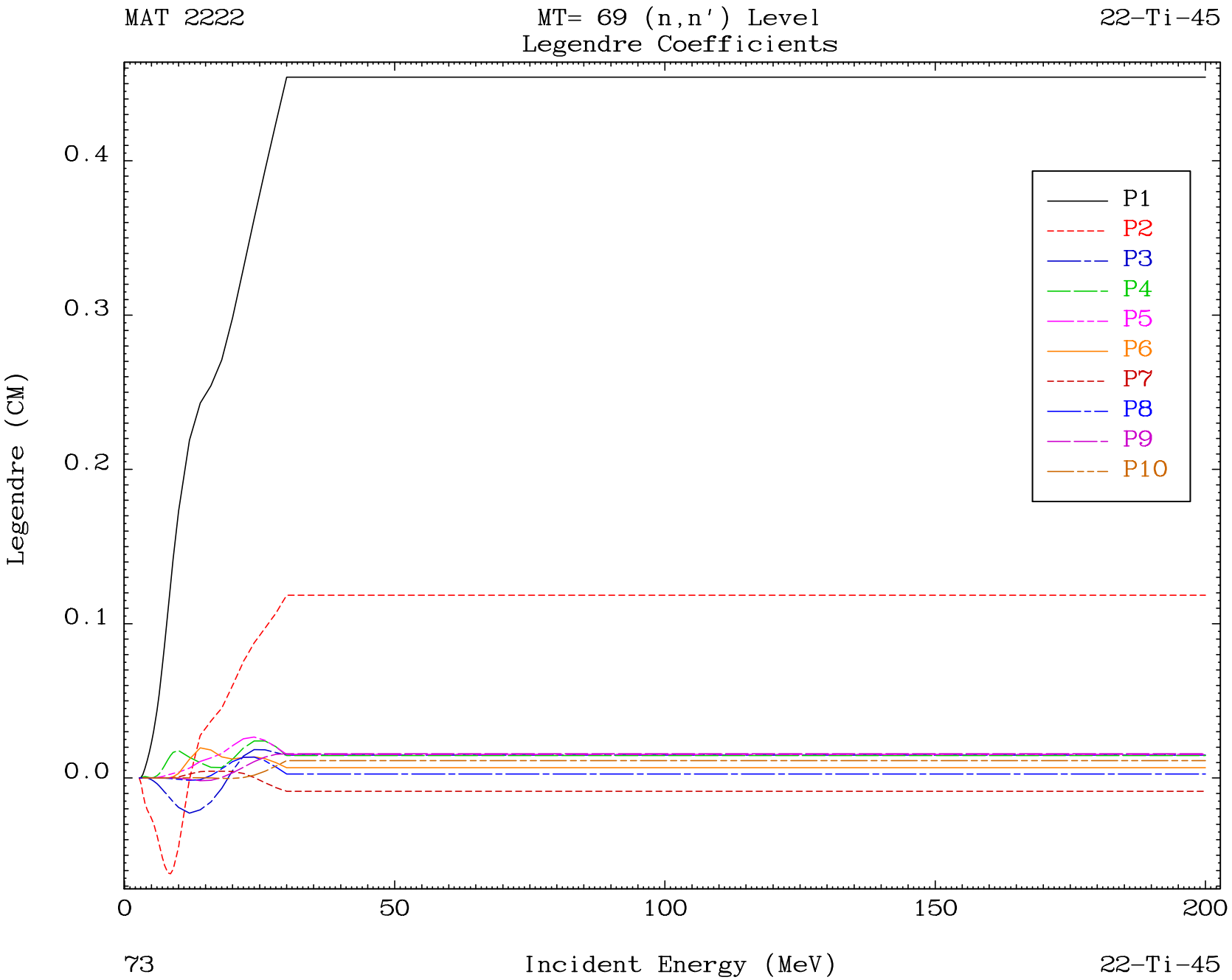

MAT 2222
MT= 67 (n,n') Level
Legendre Coefficients
22-Ti-45
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
22-Ti-45

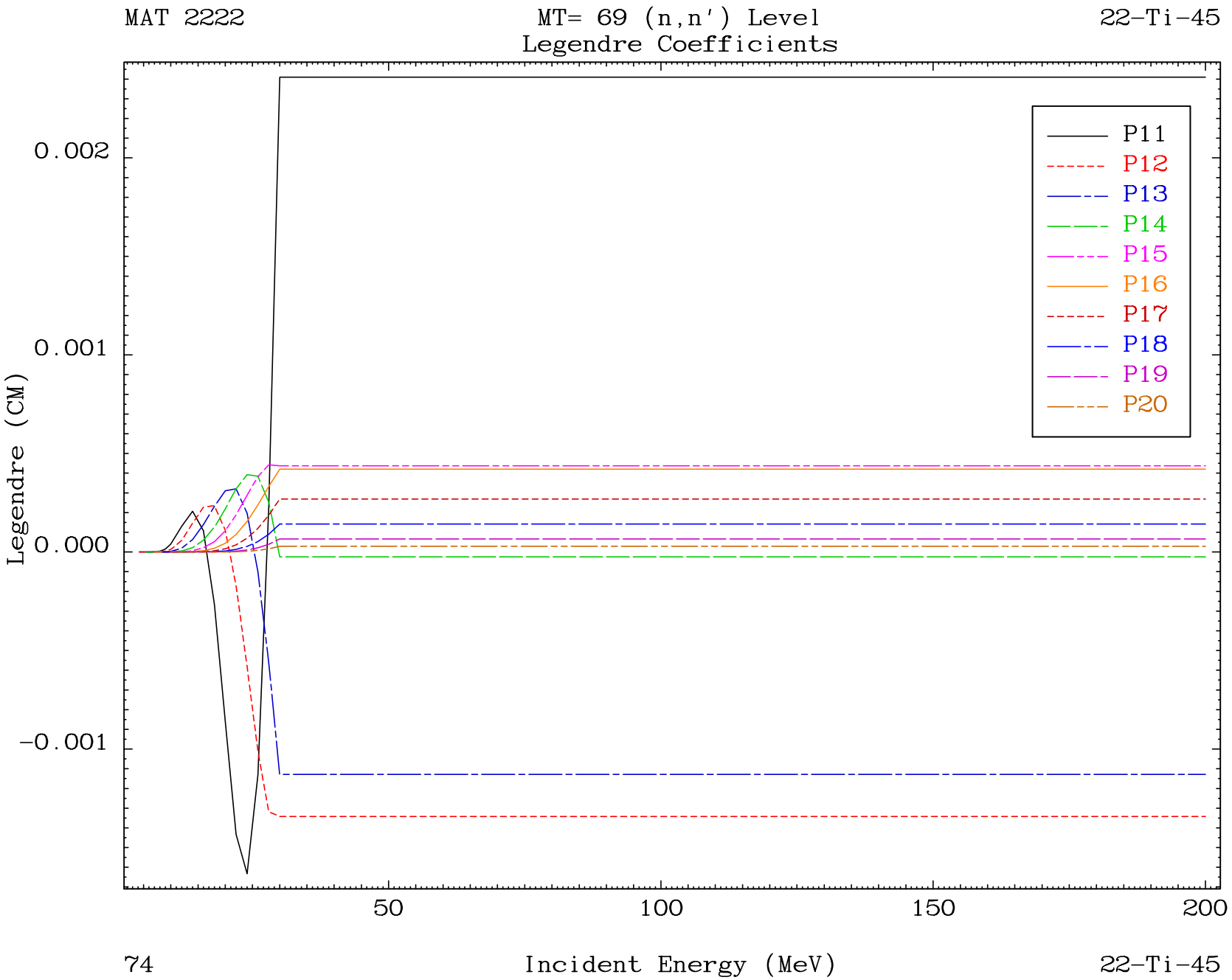

MAT 2222
MT= 67 (n,n') Level
Legendre Coefficients
22-Ti-45
X10-2
1.5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
22-Ti-45
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

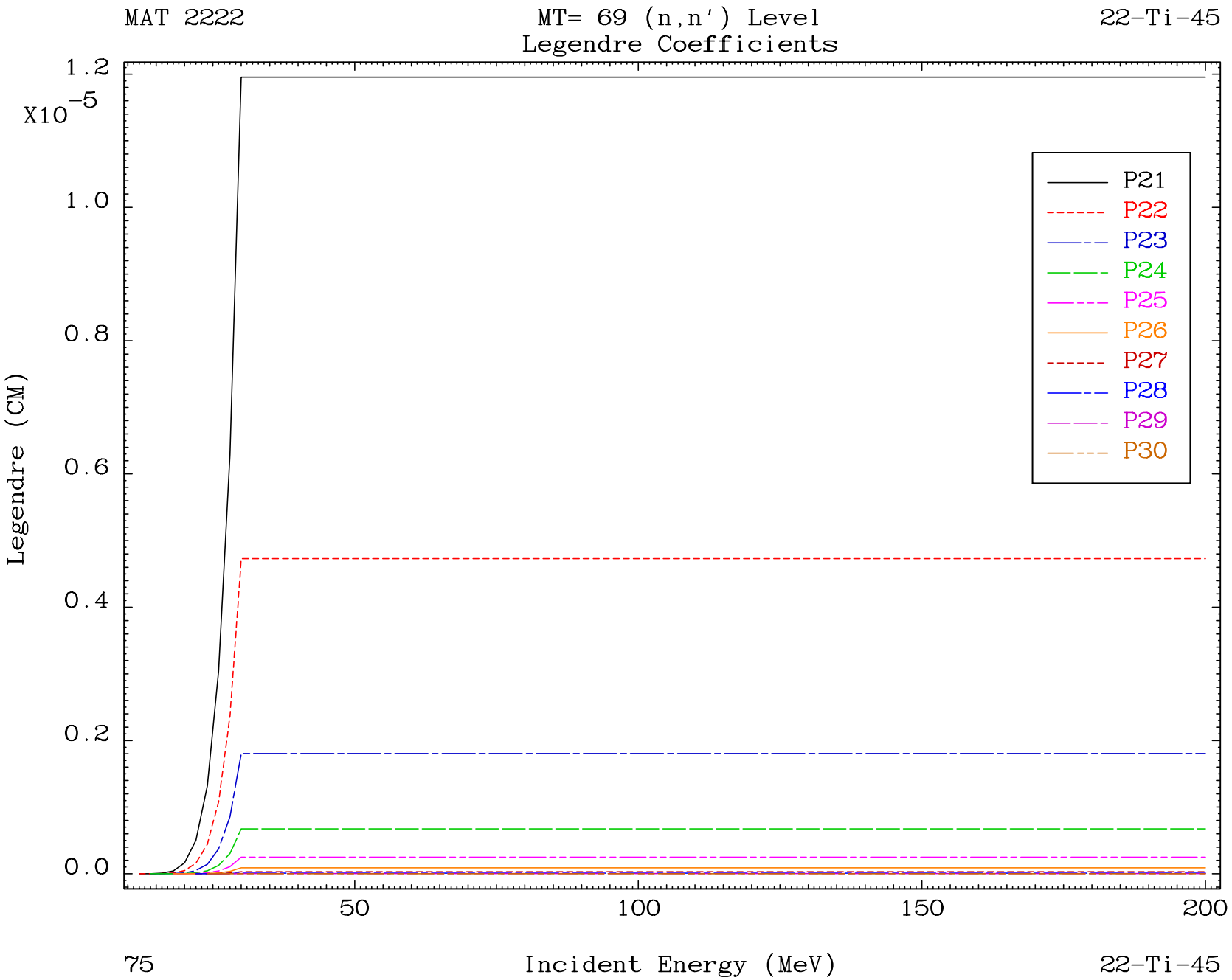

MAT 2222
MT= 68 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
70
Incident Energy (MeV)
22-Ti-45

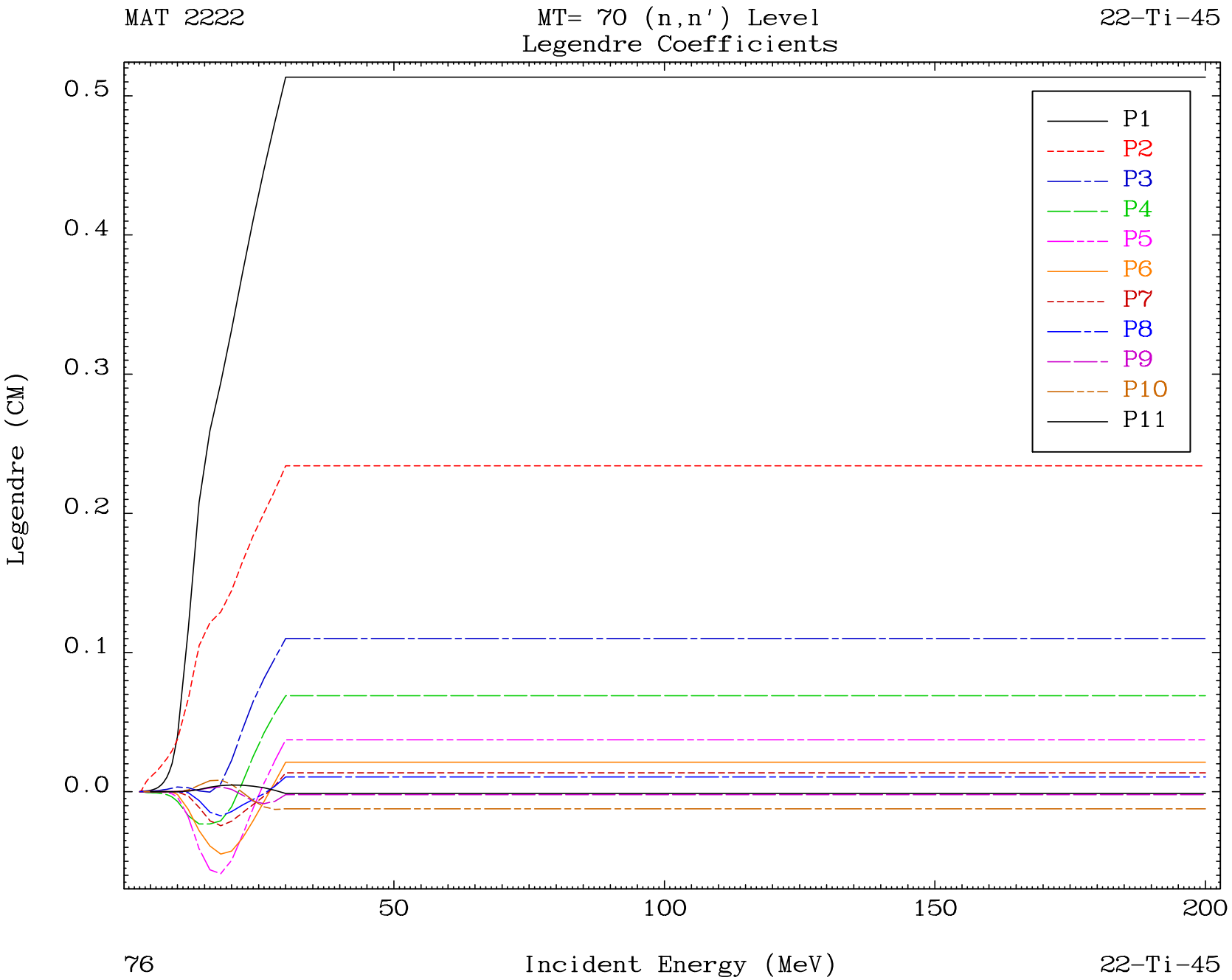

MAT 2222
MT= 68 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
22-Ti-45

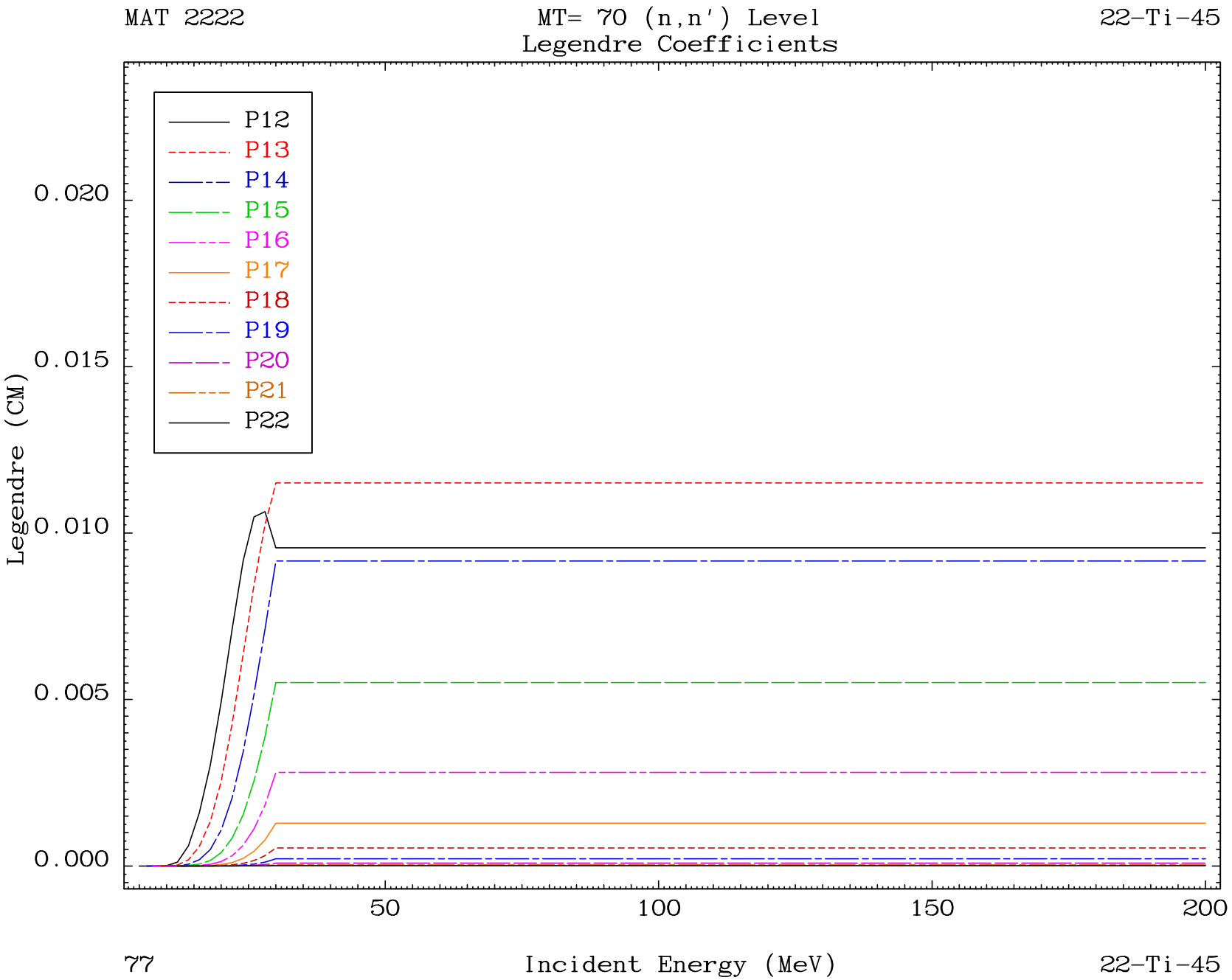

MAT 2222
MT= 68 (n,n') Level
Legendre Coefficients
22-Ti-45
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

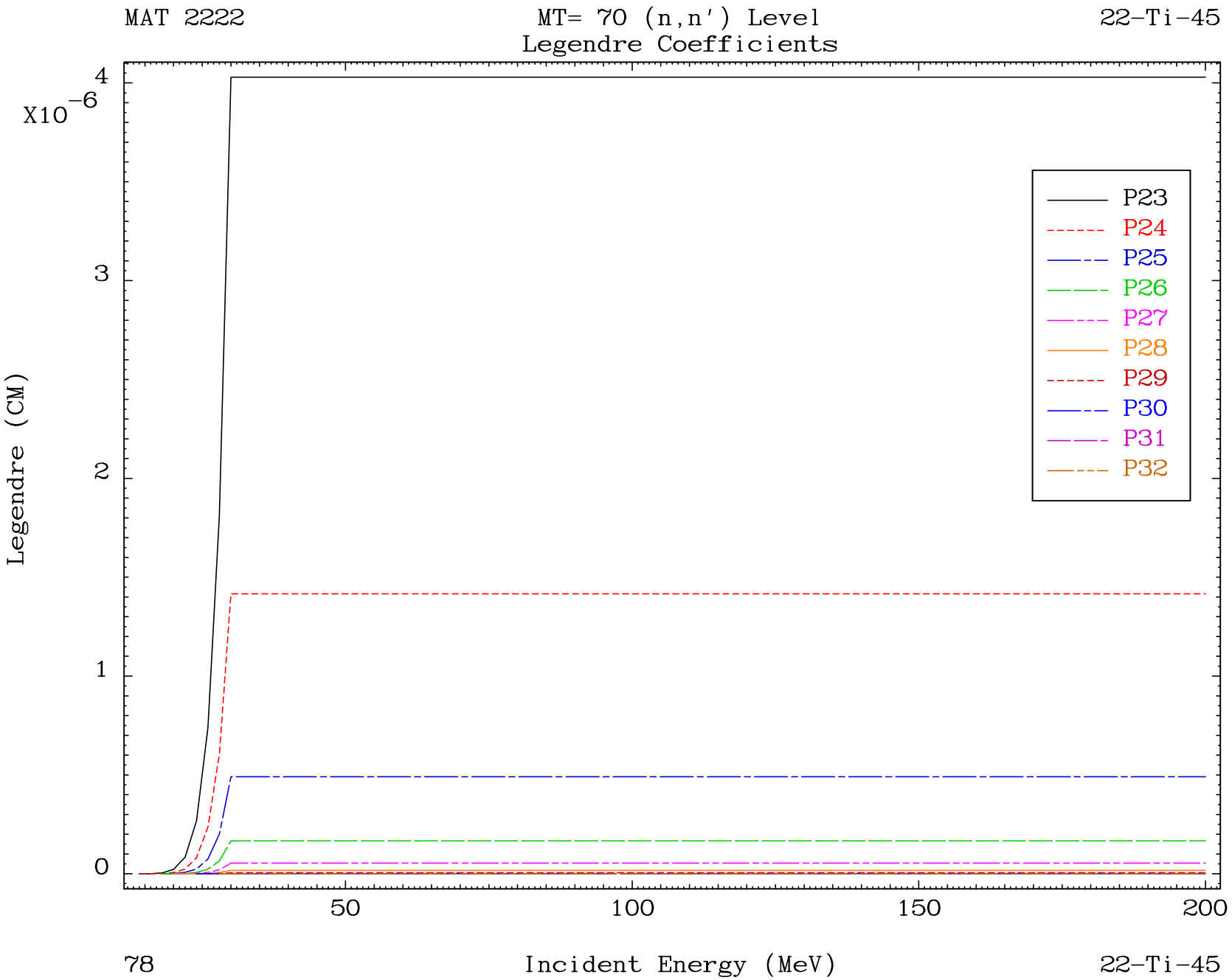

MAT 2222
MT= 69 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
73
Incident Energy (MeV)
22-Ti-45

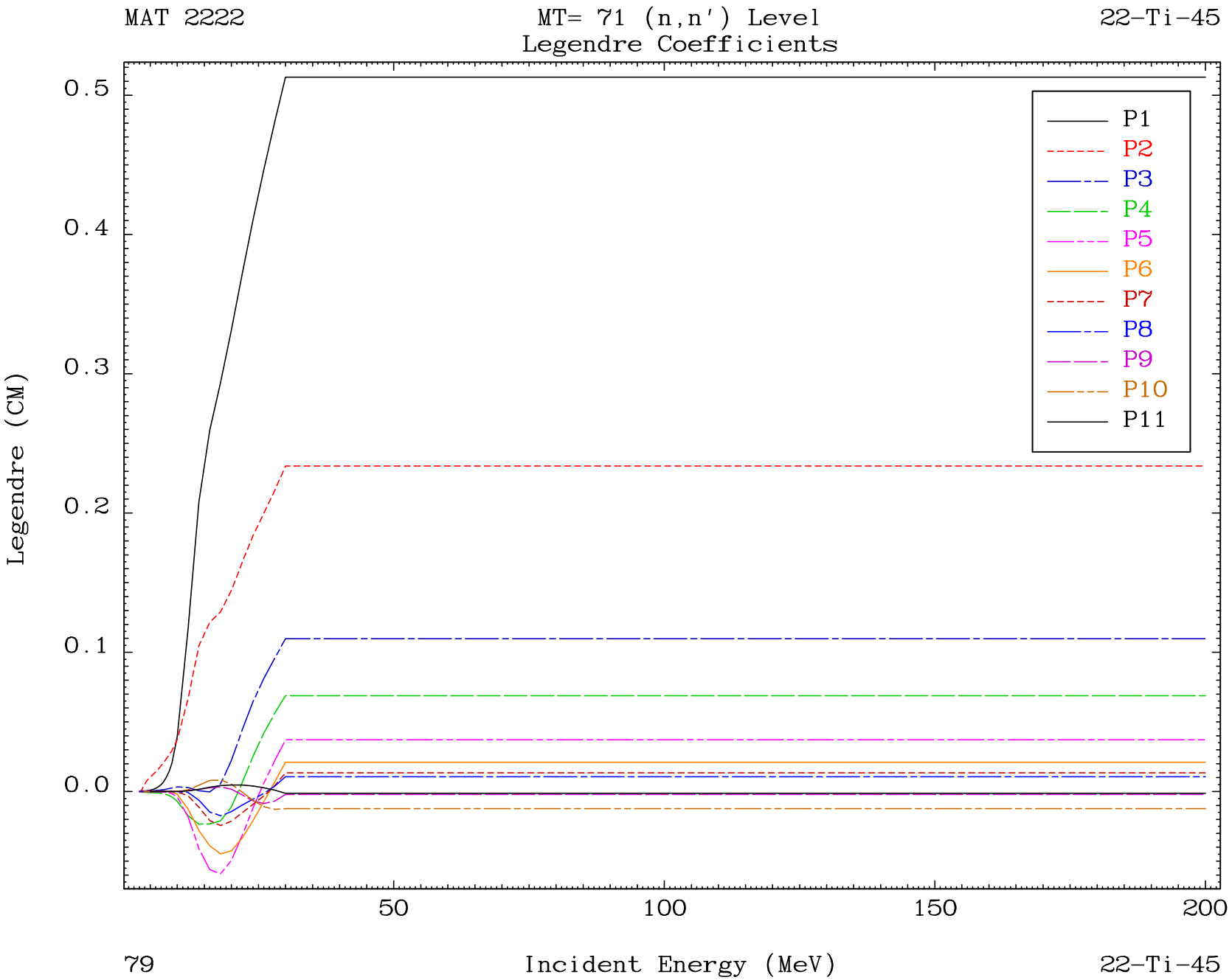

MAT 2222
MT= 69 (n,n') Level
Legendre Coefficients
22-Ti-45
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
74
Incident Energy (MeV)
22-Ti-45

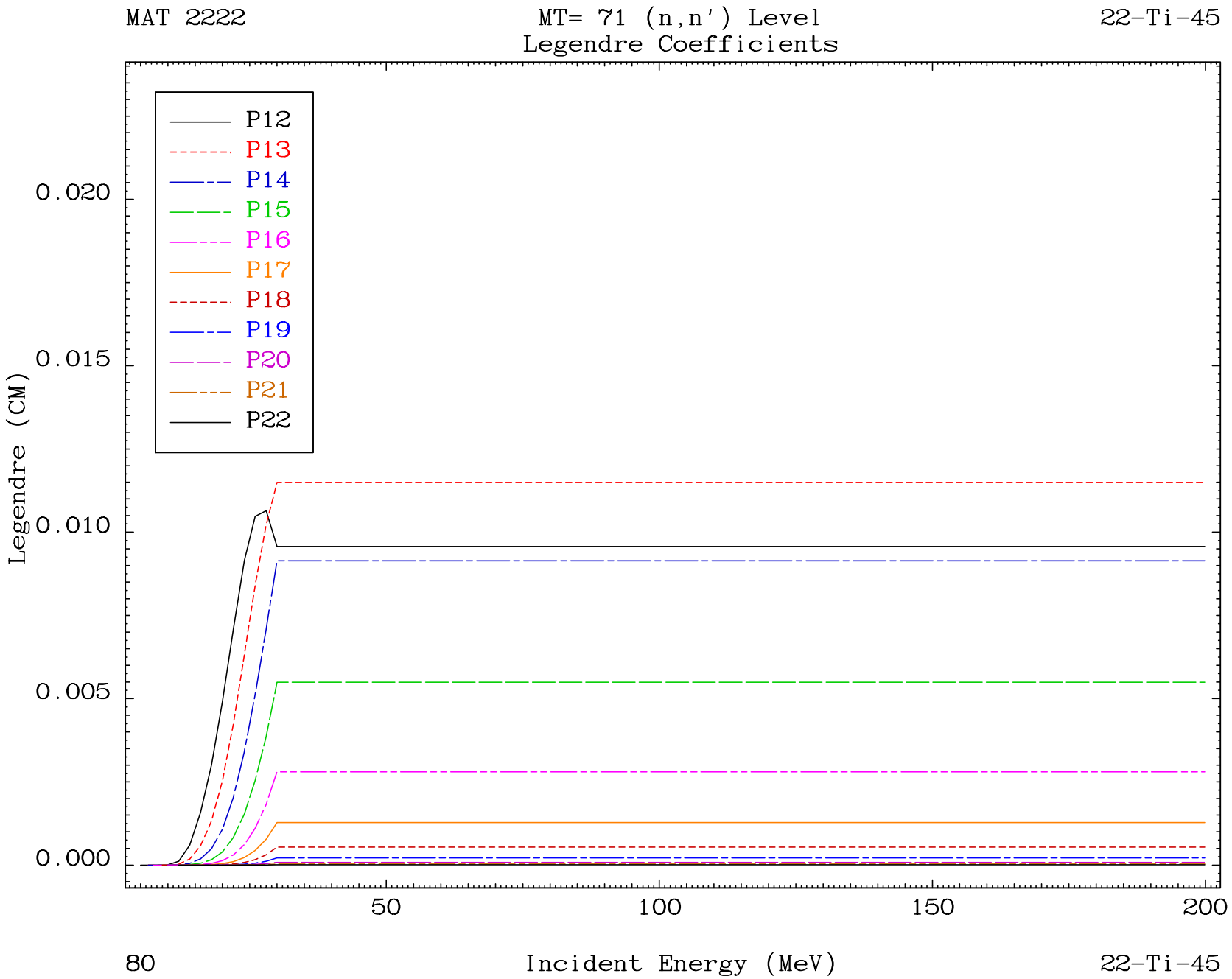

MAT 2222
MT= 69 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 −5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
75
Incident Energy (MeV)
22-Ti-45

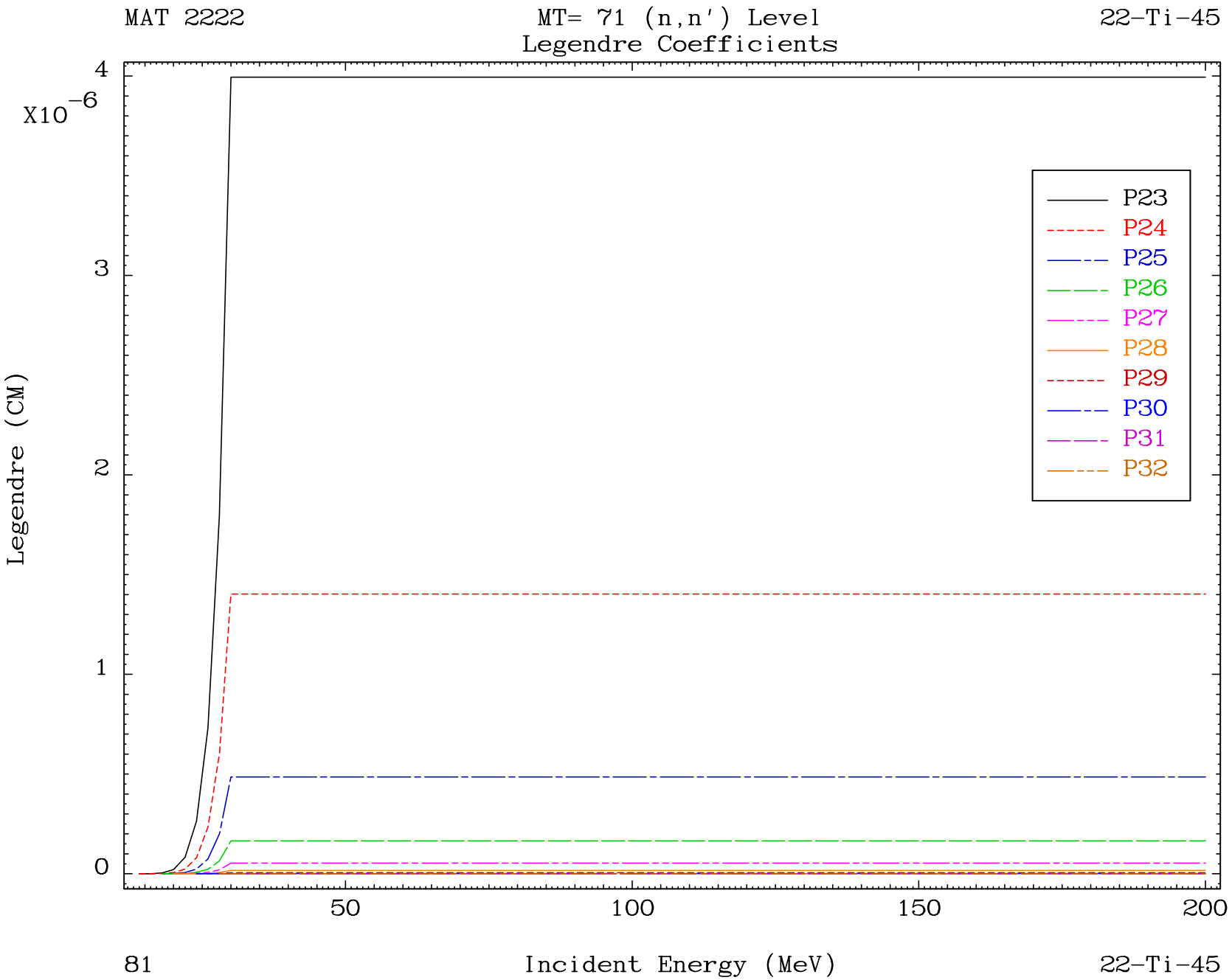

MAT 2222
MT= 70 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
76
Incident Energy (MeV)
22-Ti-45

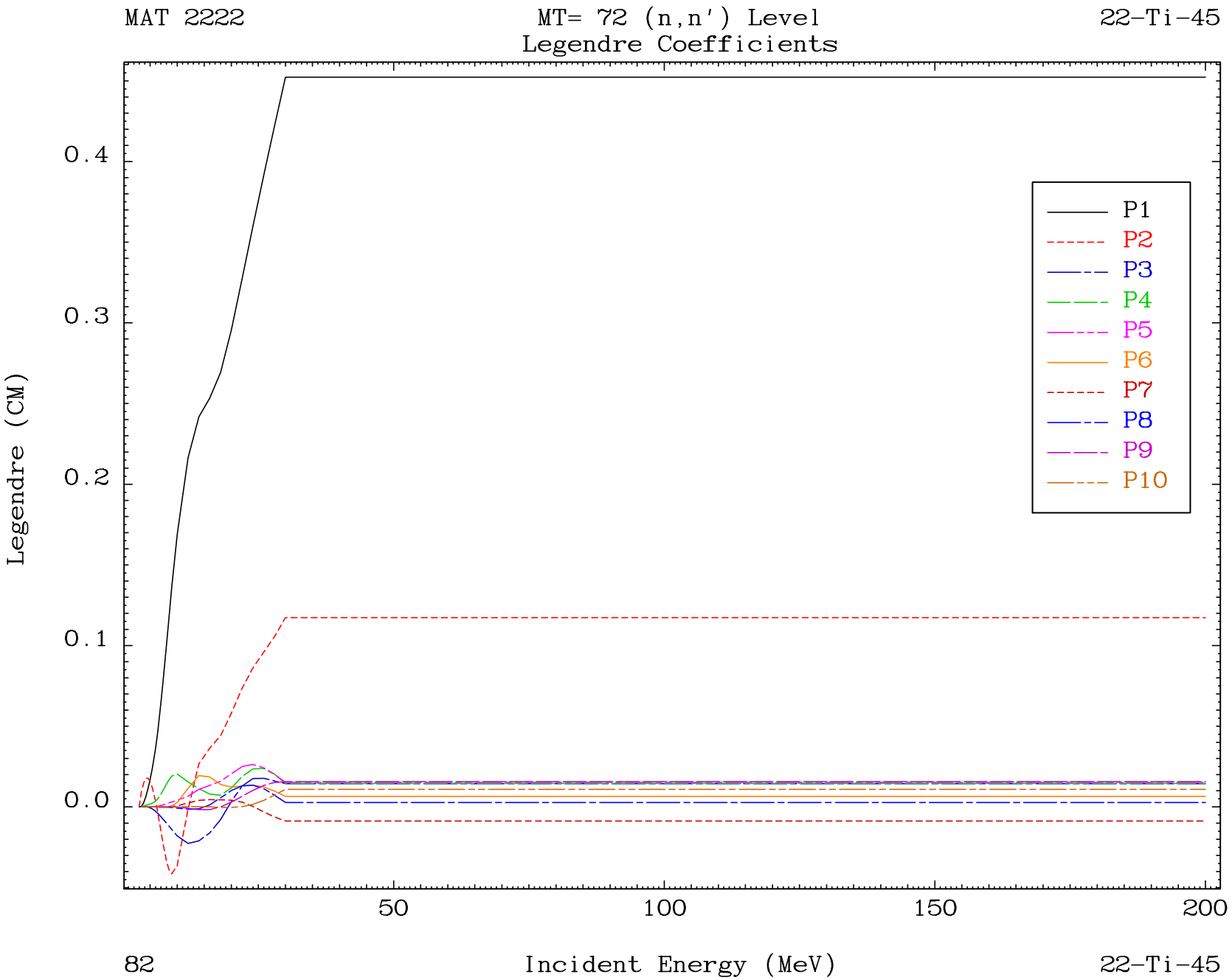

MAT 2222
MT= 70 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
22-Ti-45

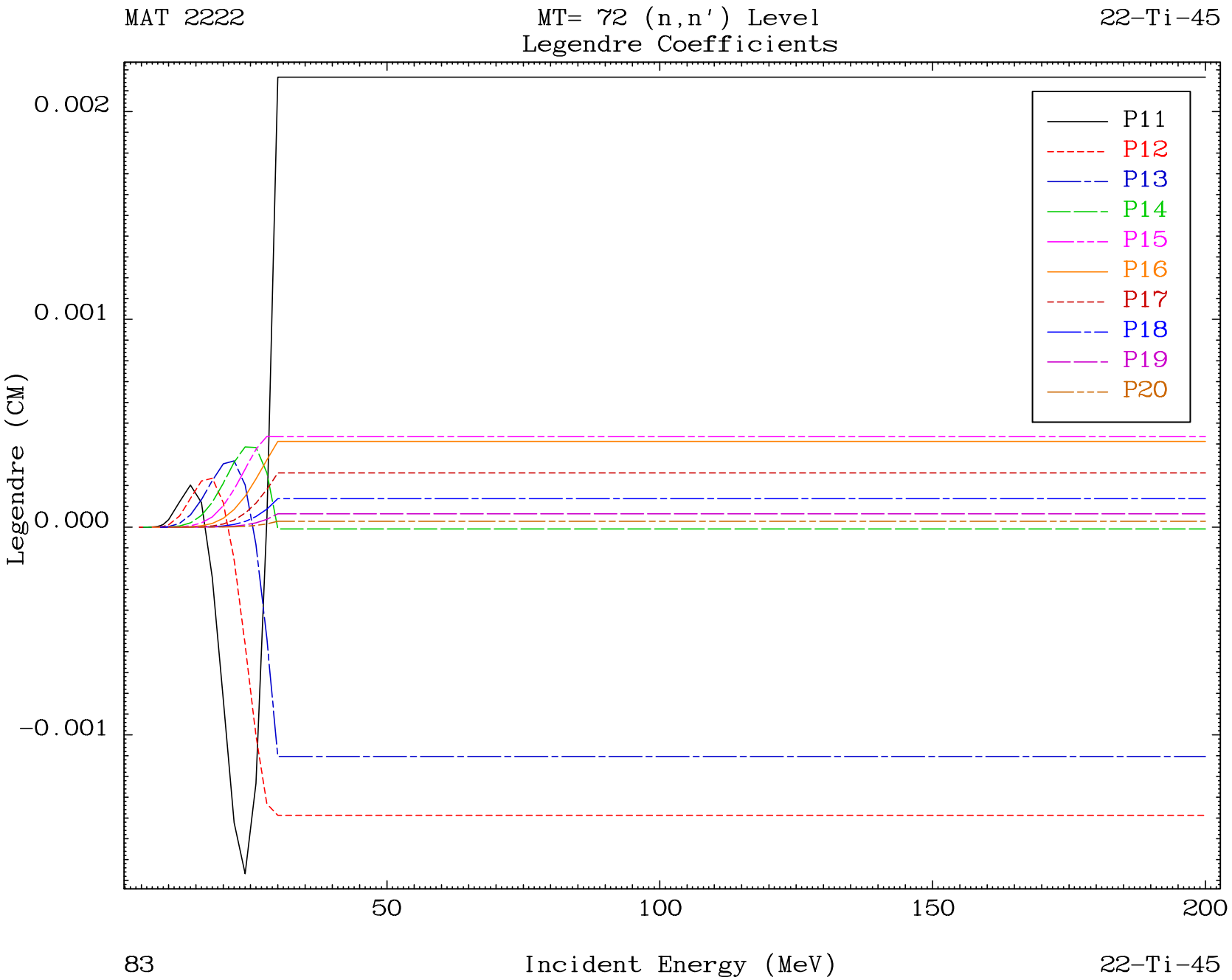

MAT 2222
MT= 70 (n,n') Level
Legendre Coefficients
22-Ti-45
X10 −6
4
3
2
1
0
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

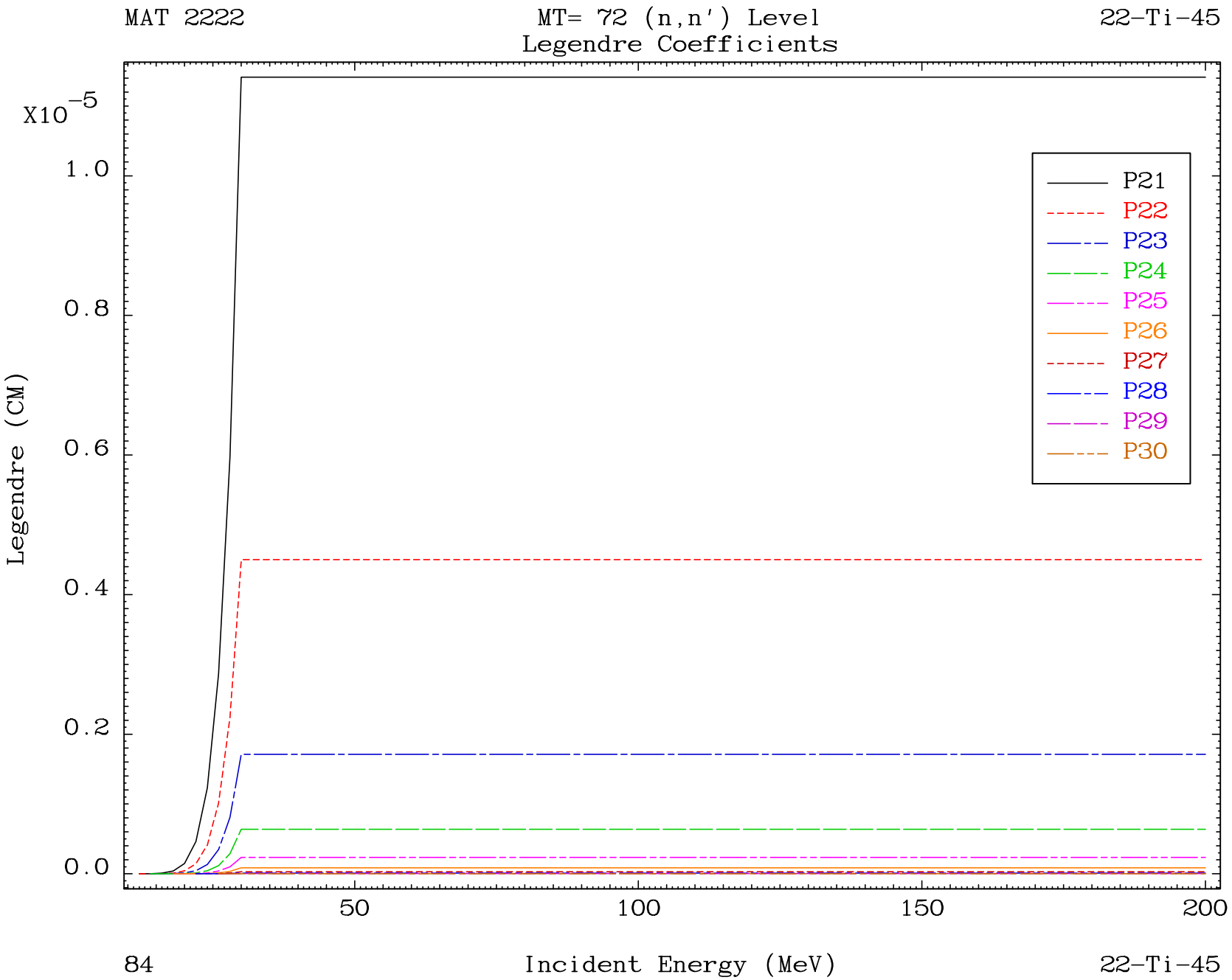

MAT 2222
MT= 71 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
79
Incident Energy (MeV)
22-Ti-45

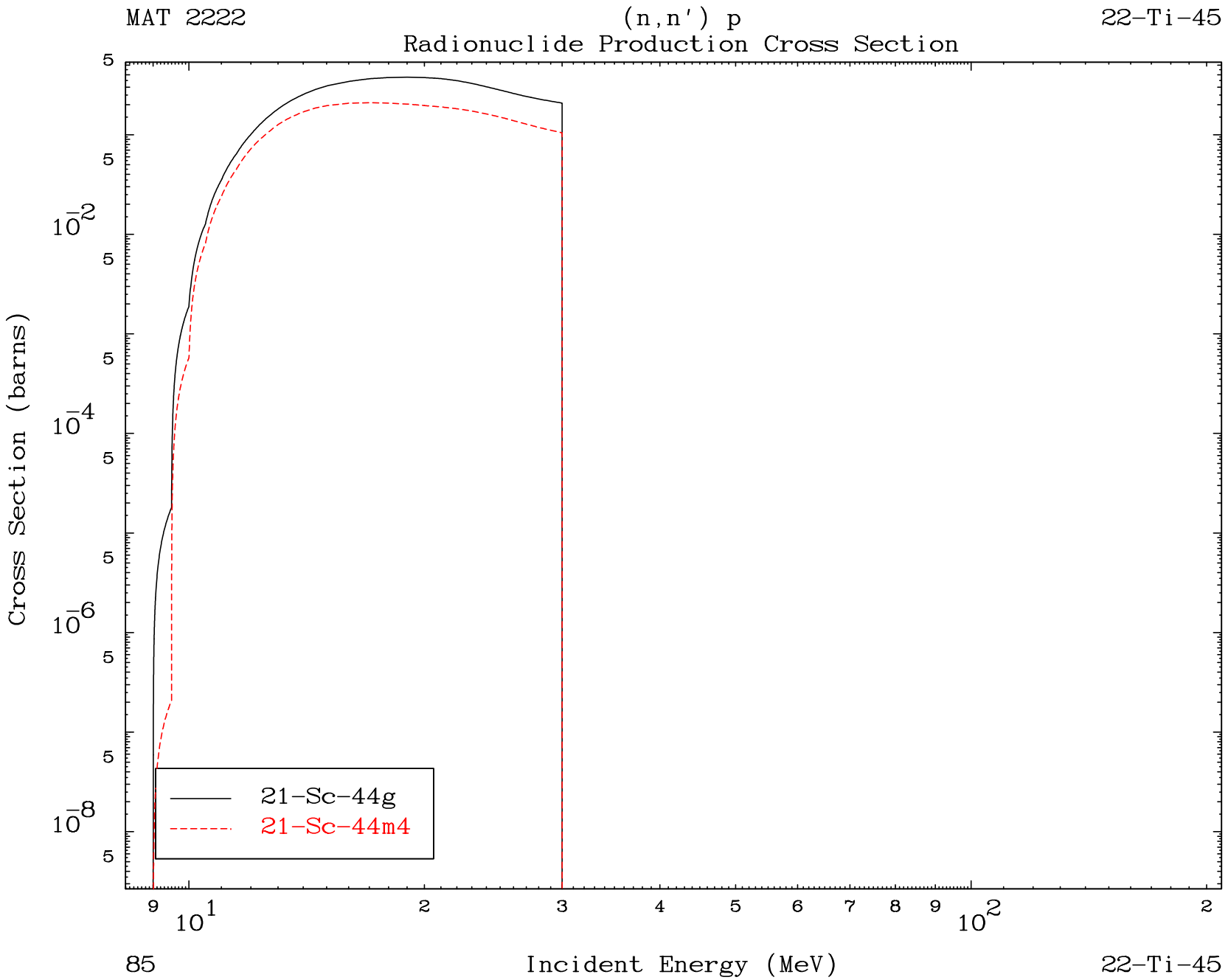

MAT 2222
MT= 71 (n,n') Level
Legendre Coefficients
22-Ti-45
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
22-Ti-45

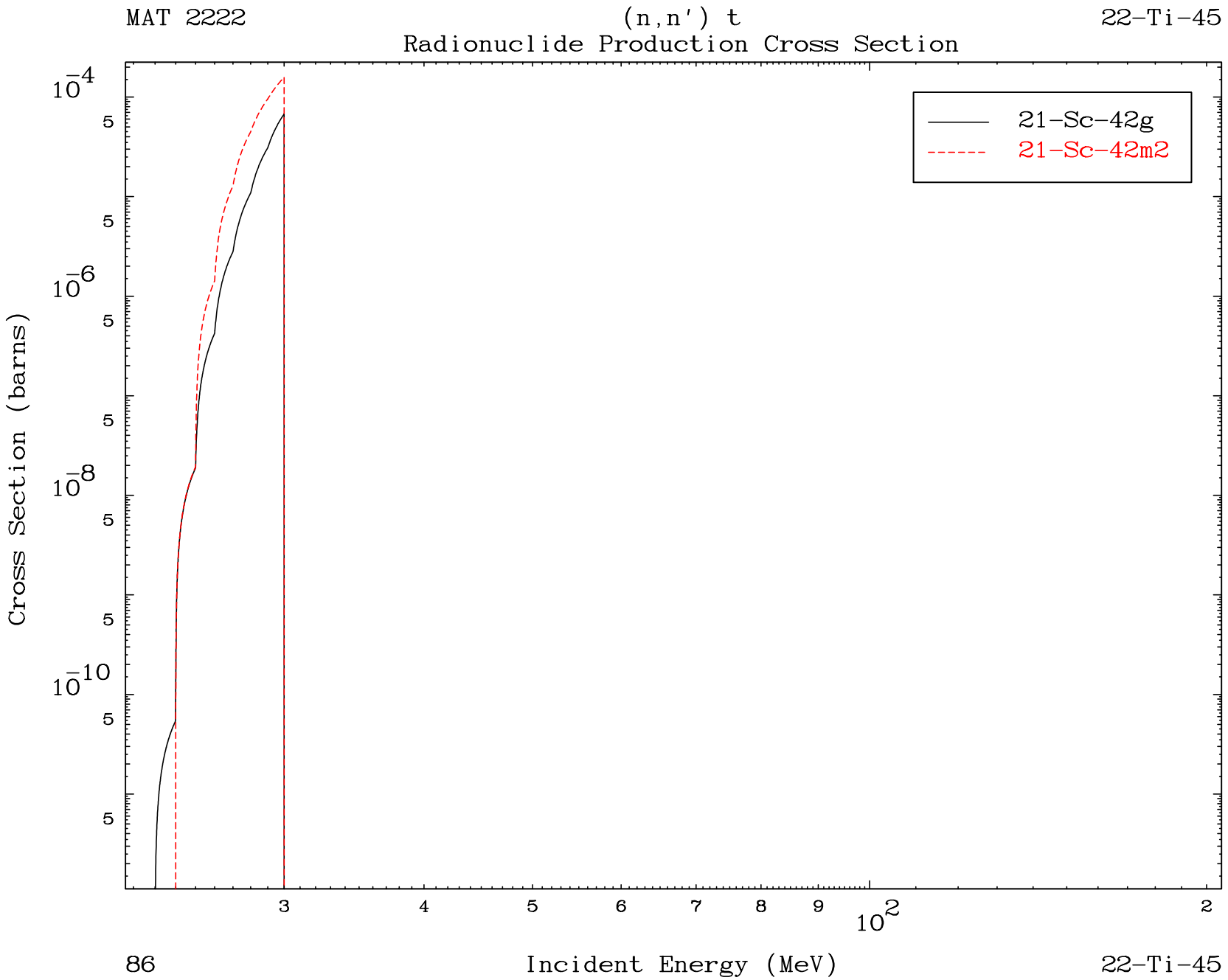

MAT 2222
MT= 71 (n,n') Level
Legendre Coefficients
22-Ti-45
X10^-6
4
3
2
1
0
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
22-Ti-45
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

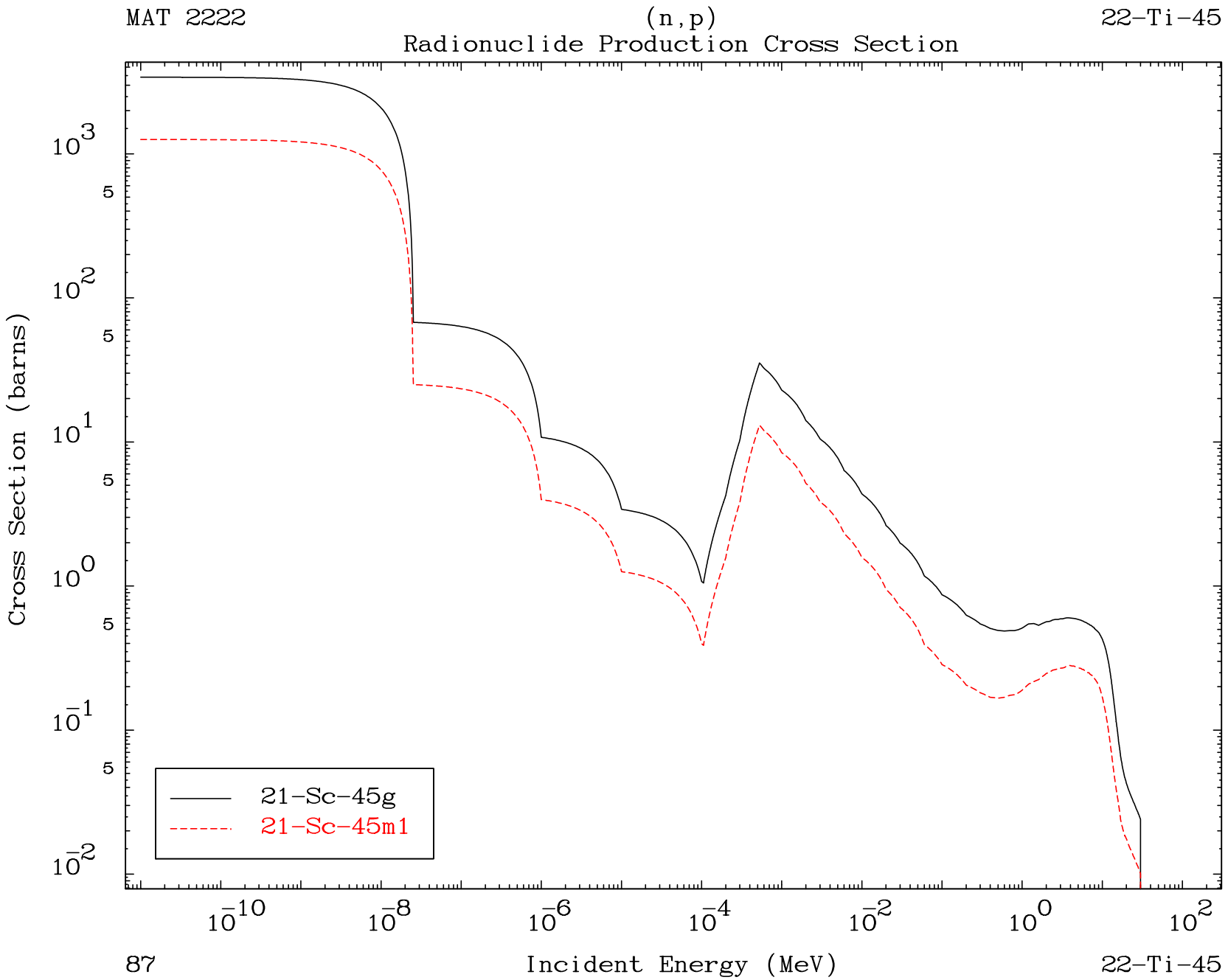

MAT 2222
MT= 72 (n,n') Level
Legendre Coefficients
22-Ti-45
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
82
Incident Energy (MeV)
22-Ti-45

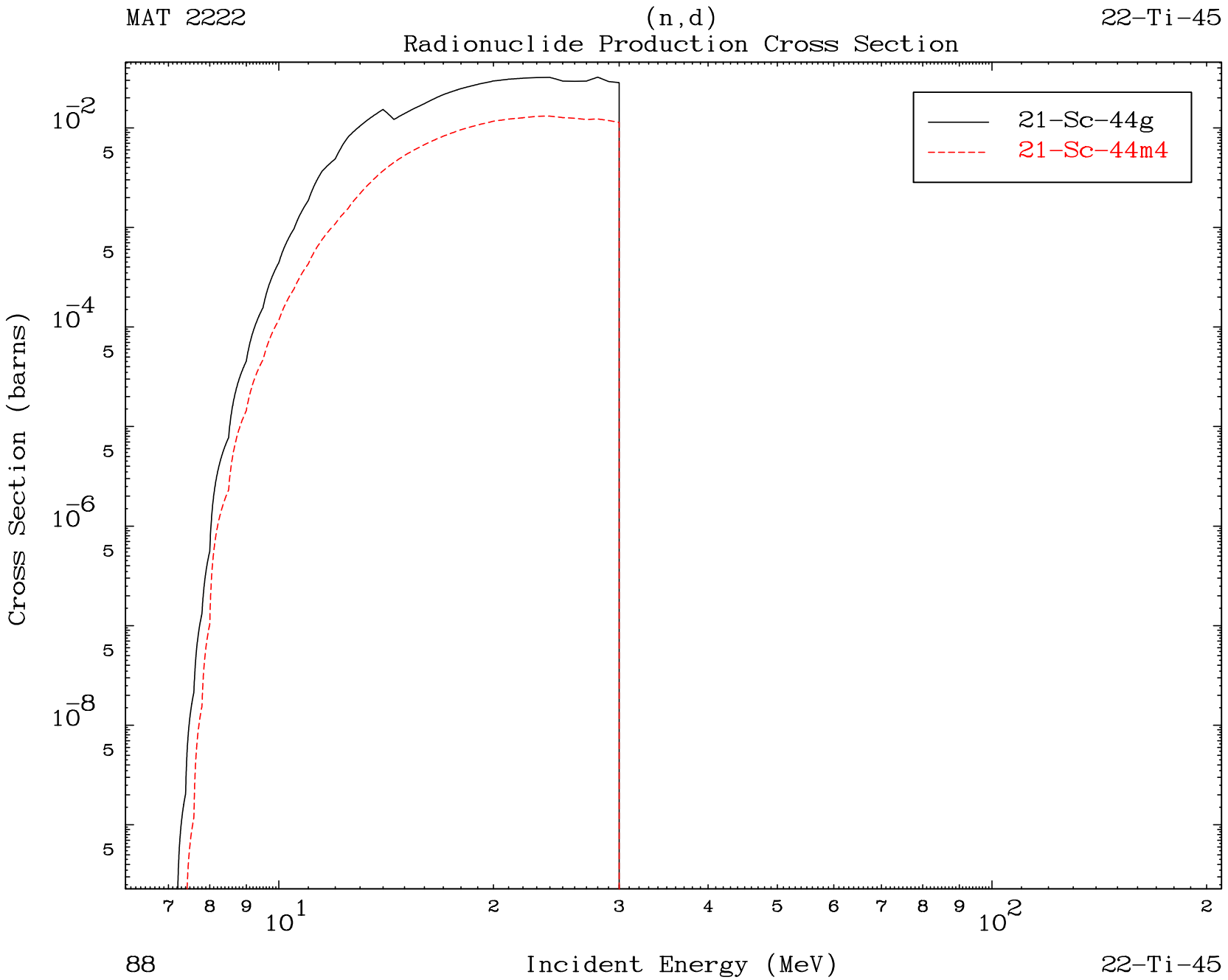

MAT 2222
MT= 72 (n,n') Level
Legendre Coefficients
22-Ti-45
0.002
0.001
0.000
-0.001
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
83
Incident Energy (MeV)
22-Ti-45


MAT 2222
MT= 72 (n,n') Level
Legendre Coefficients
22-Ti-45
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
84
Incident Energy (MeV)
22-Ti-45


MAT 2222
(n,n') p
22-Ti-45
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
21-Sc-44g
21-Sc-44m4
10 1
2
3
4
5
6
7
8
9
10 2
2
85
Incident Energy (MeV)
22-Ti-45


MAT 2222
(n,n') t
22-Ti-45
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
86
22-Ti-45


MAT 2222
(n,p)
22-Ti-45
Radionuclide Production Cross Section
Cross Section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
21-Sc-45g
21-Sc-45m1
87
Incident Energy (MeV)
22-Ti-45


MAT 2222
(n,d)
22-Ti-45
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
88
Incident Energy (MeV)
22-Ti-45