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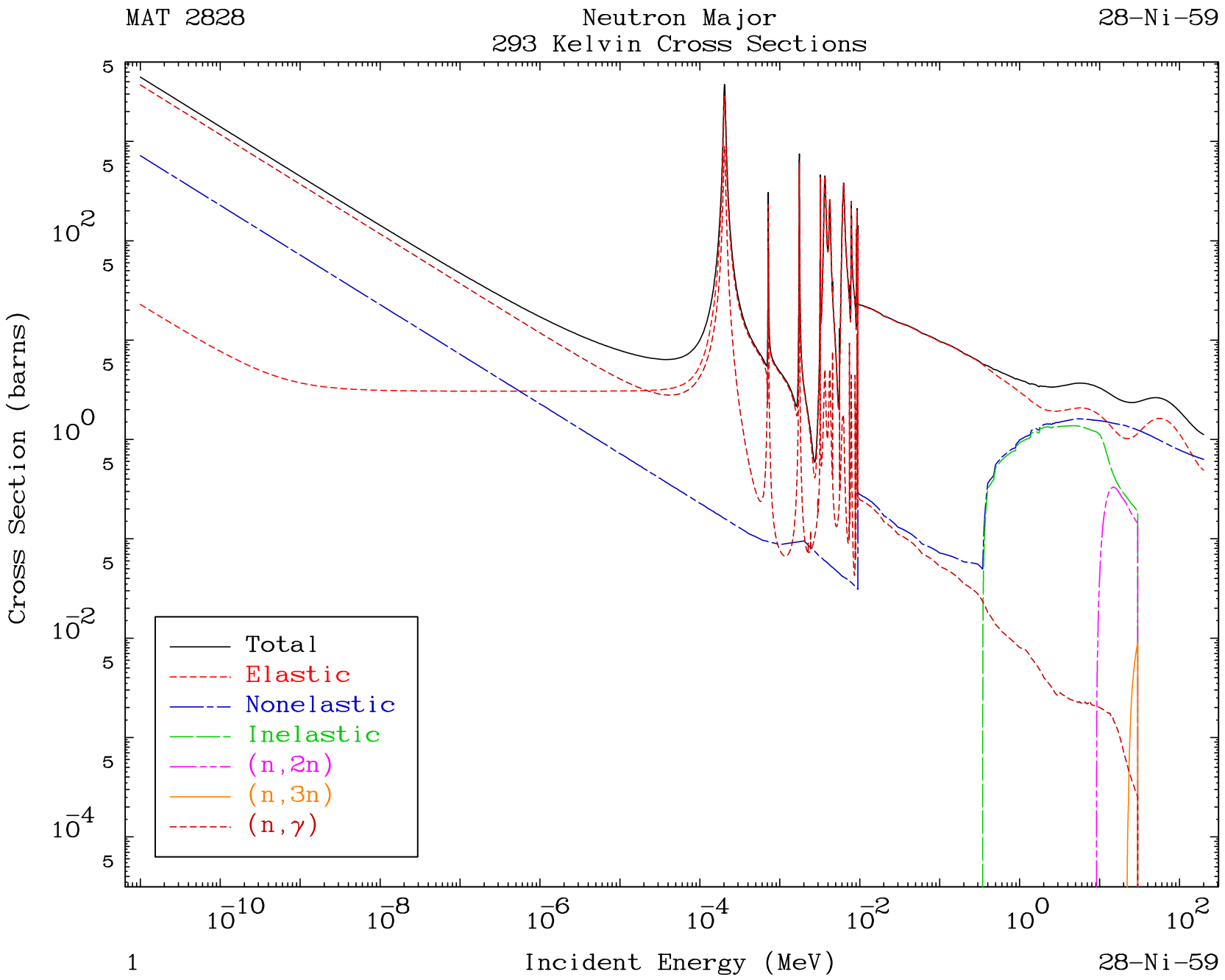
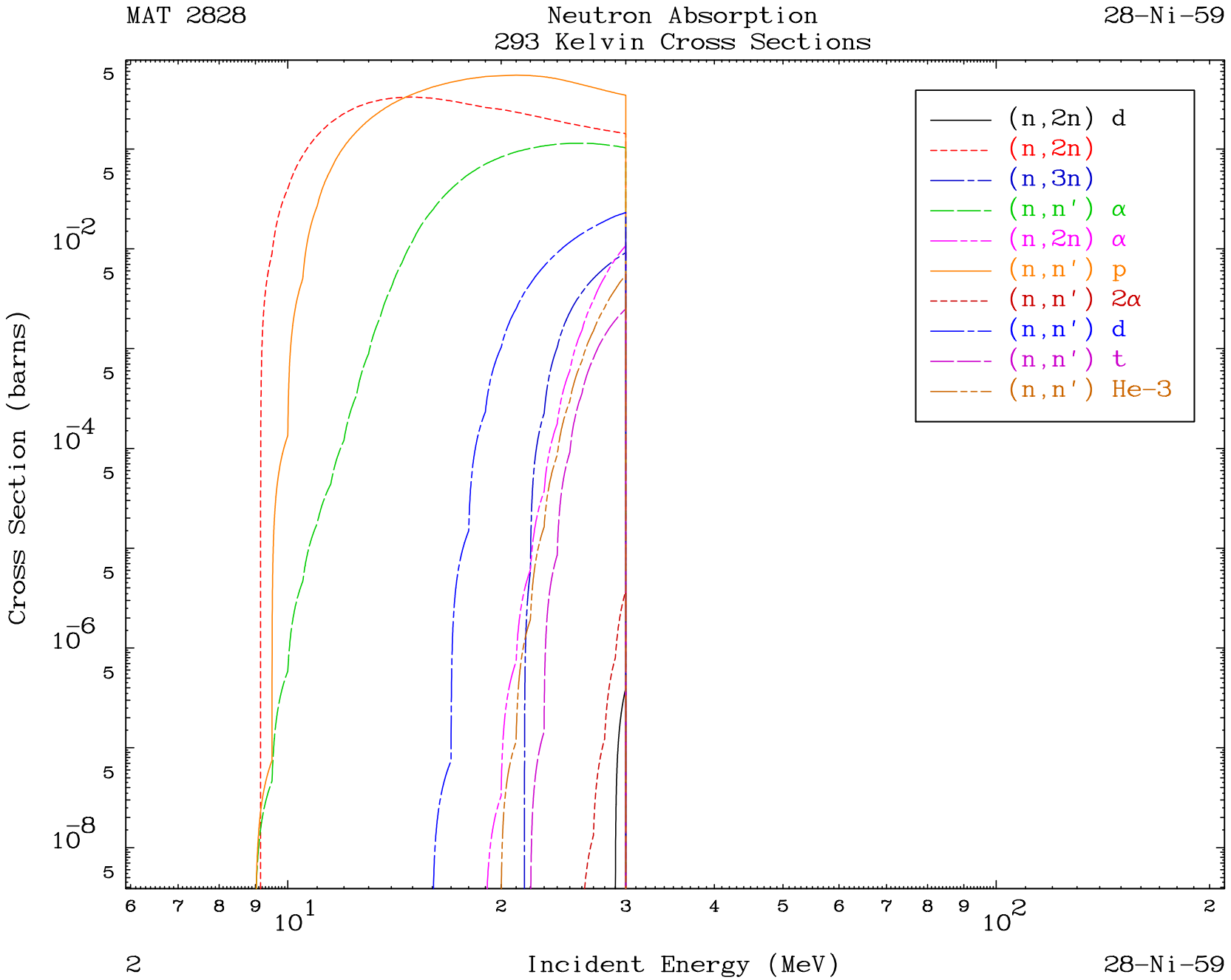
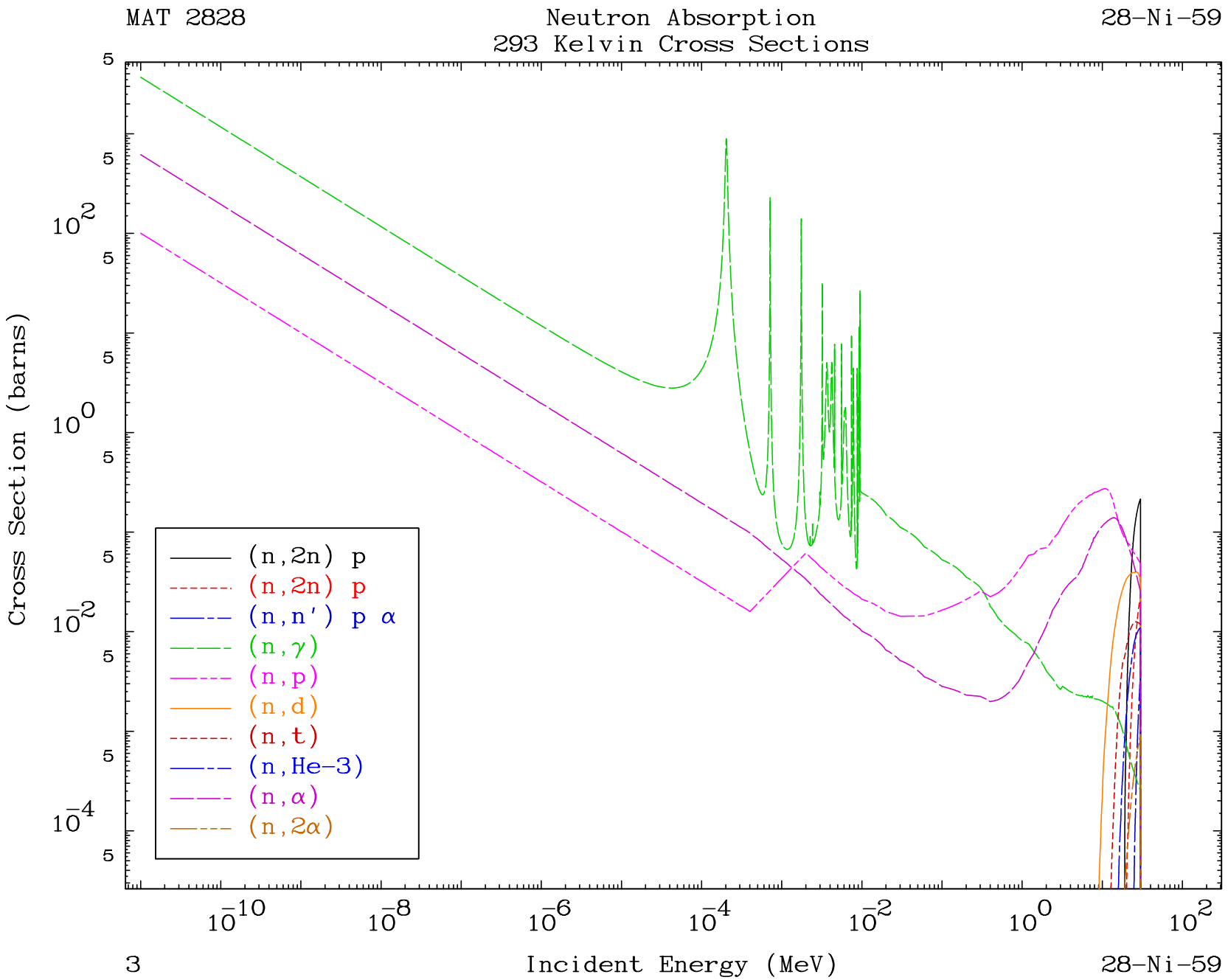
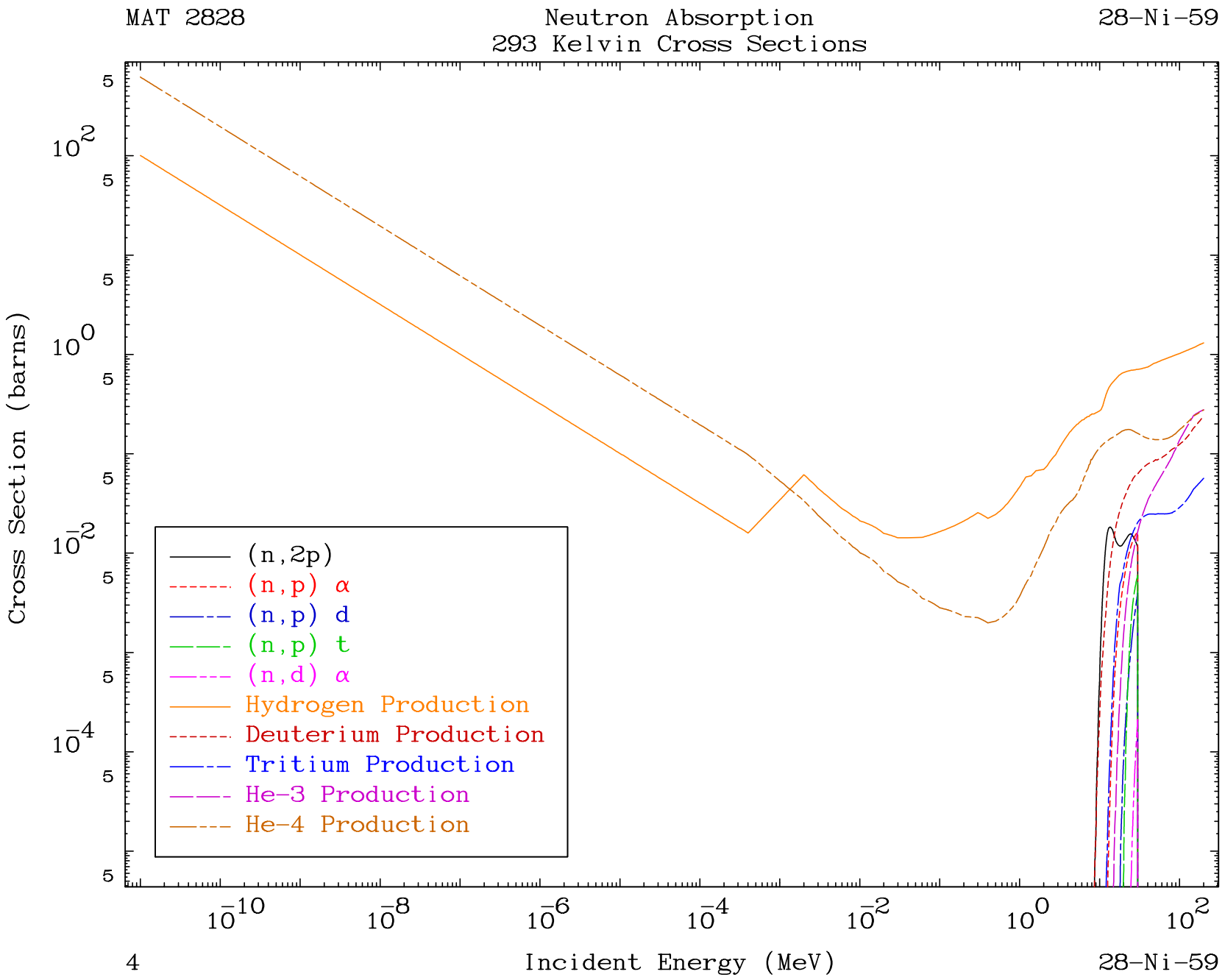
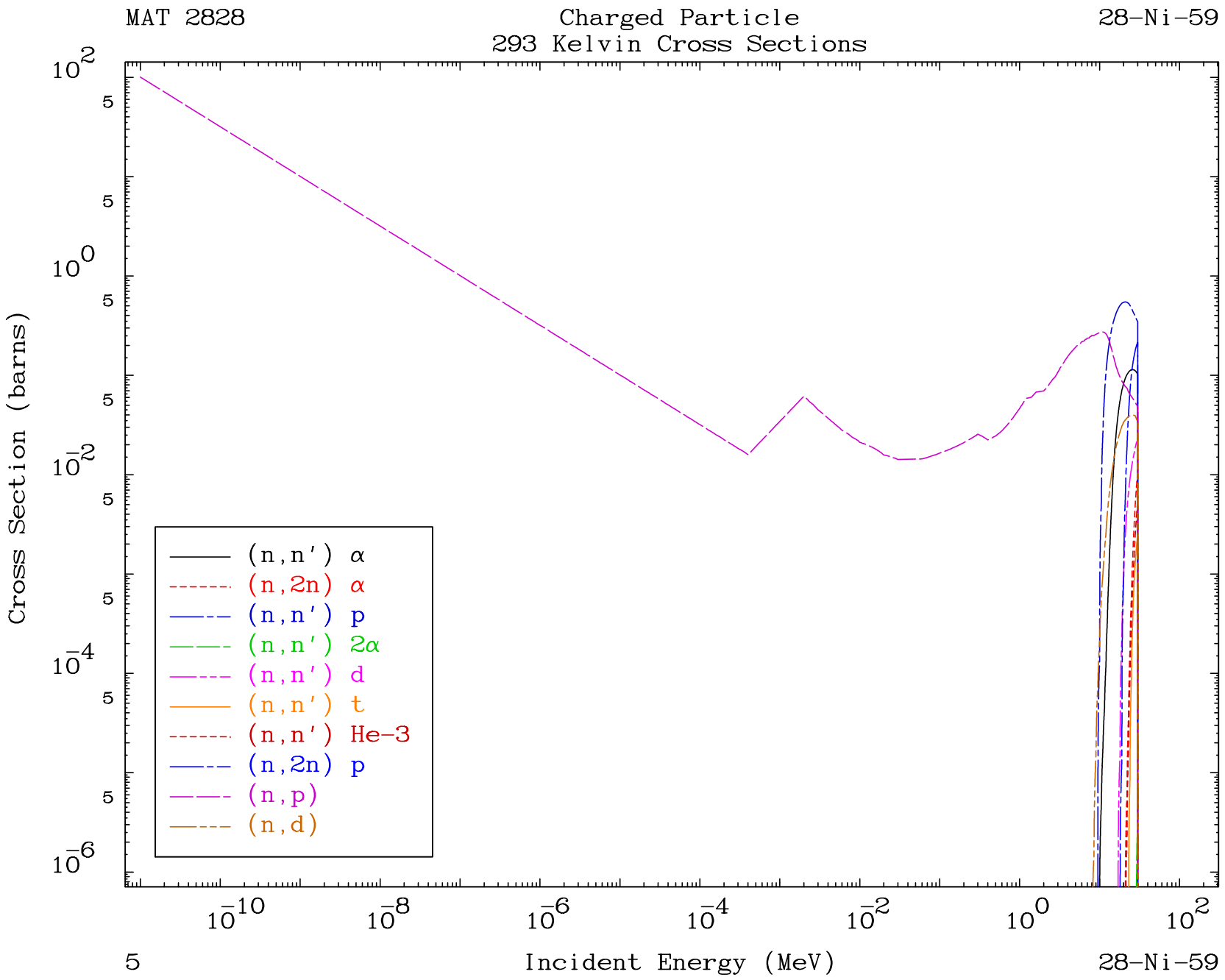
Press Mouse Button to Start

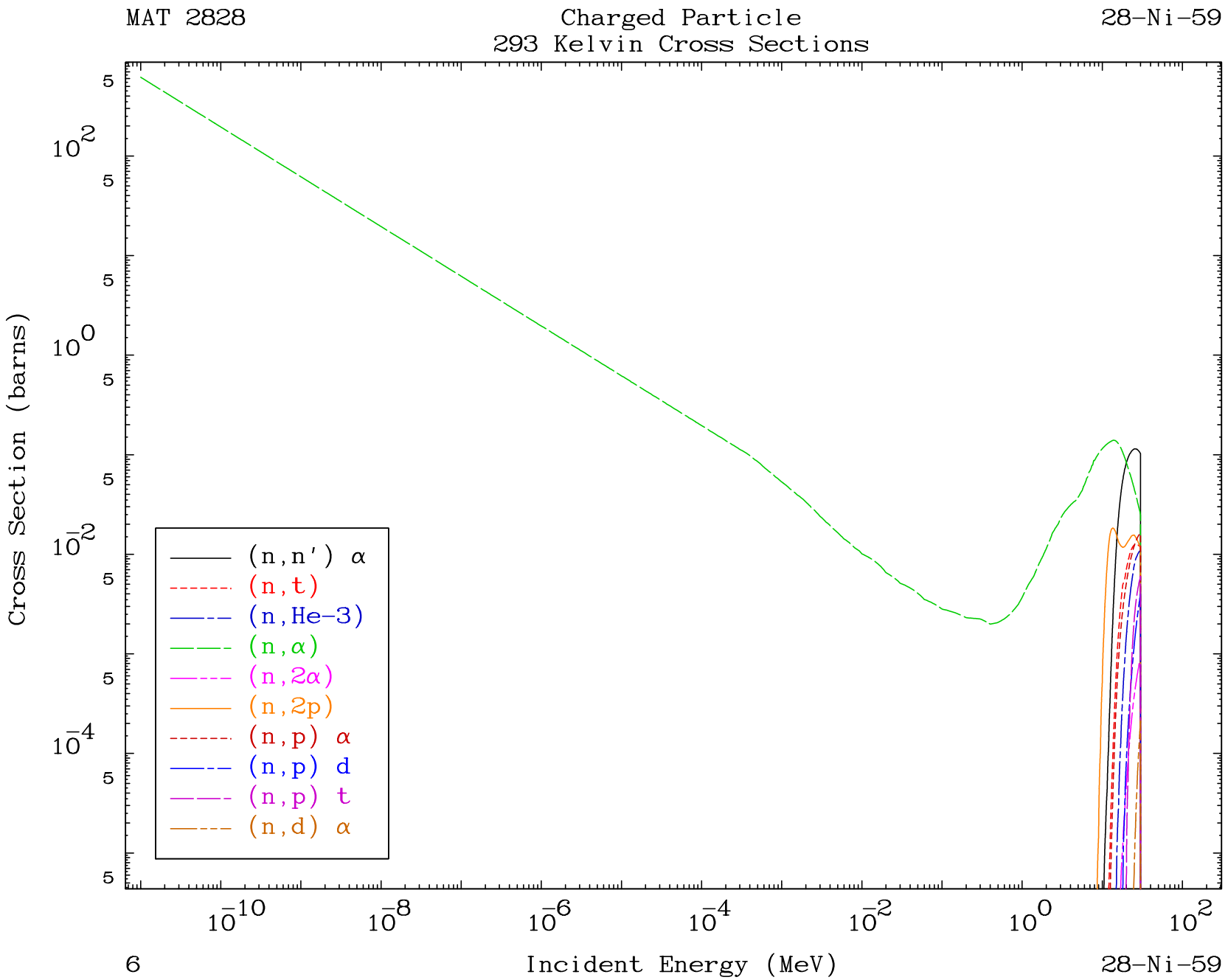

MAT 2828
Neutron Major
28-Ni-59
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
28-Ni-59
1
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)

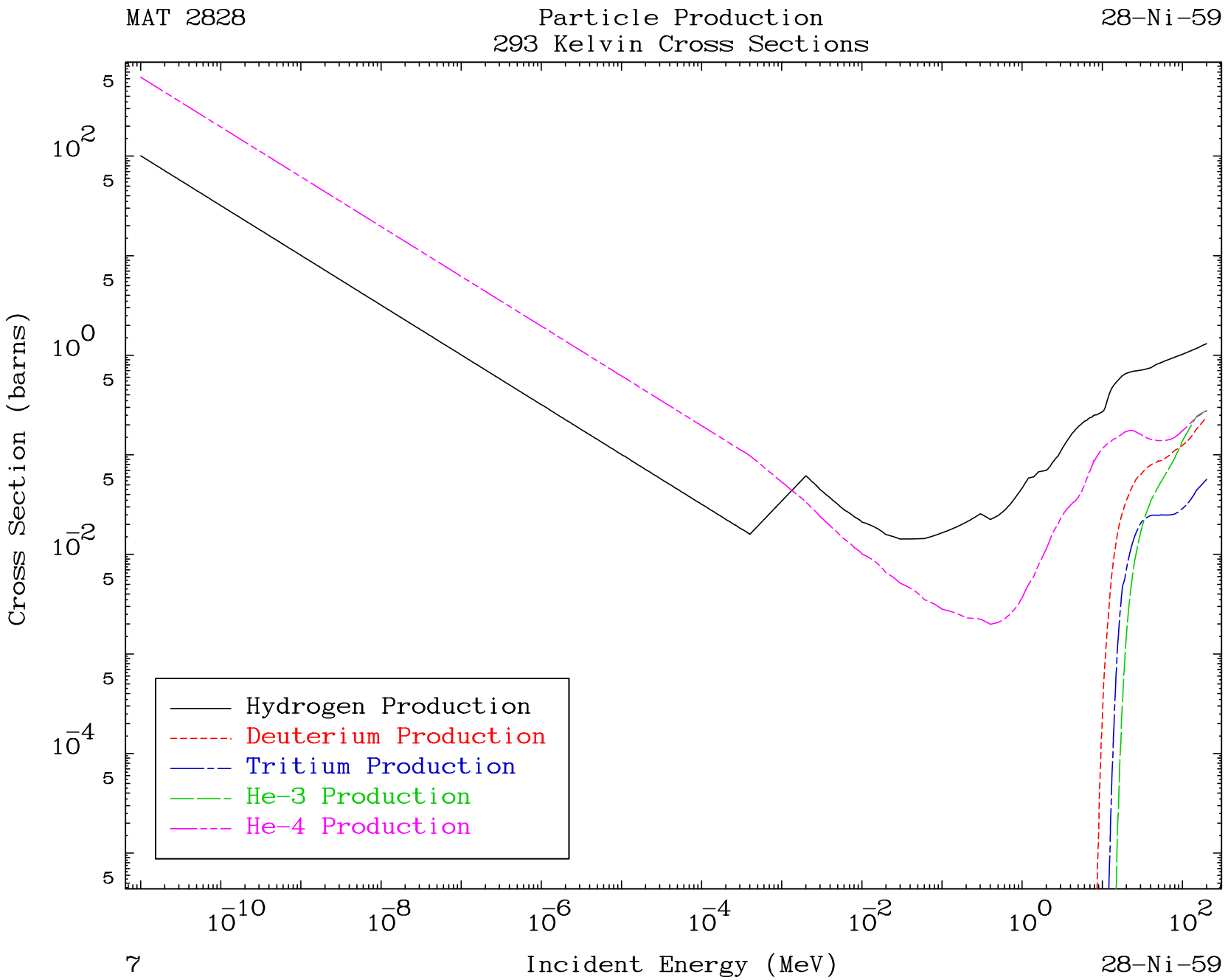

MAT 2828
Neutron Absorption
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
28-Ni-59
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

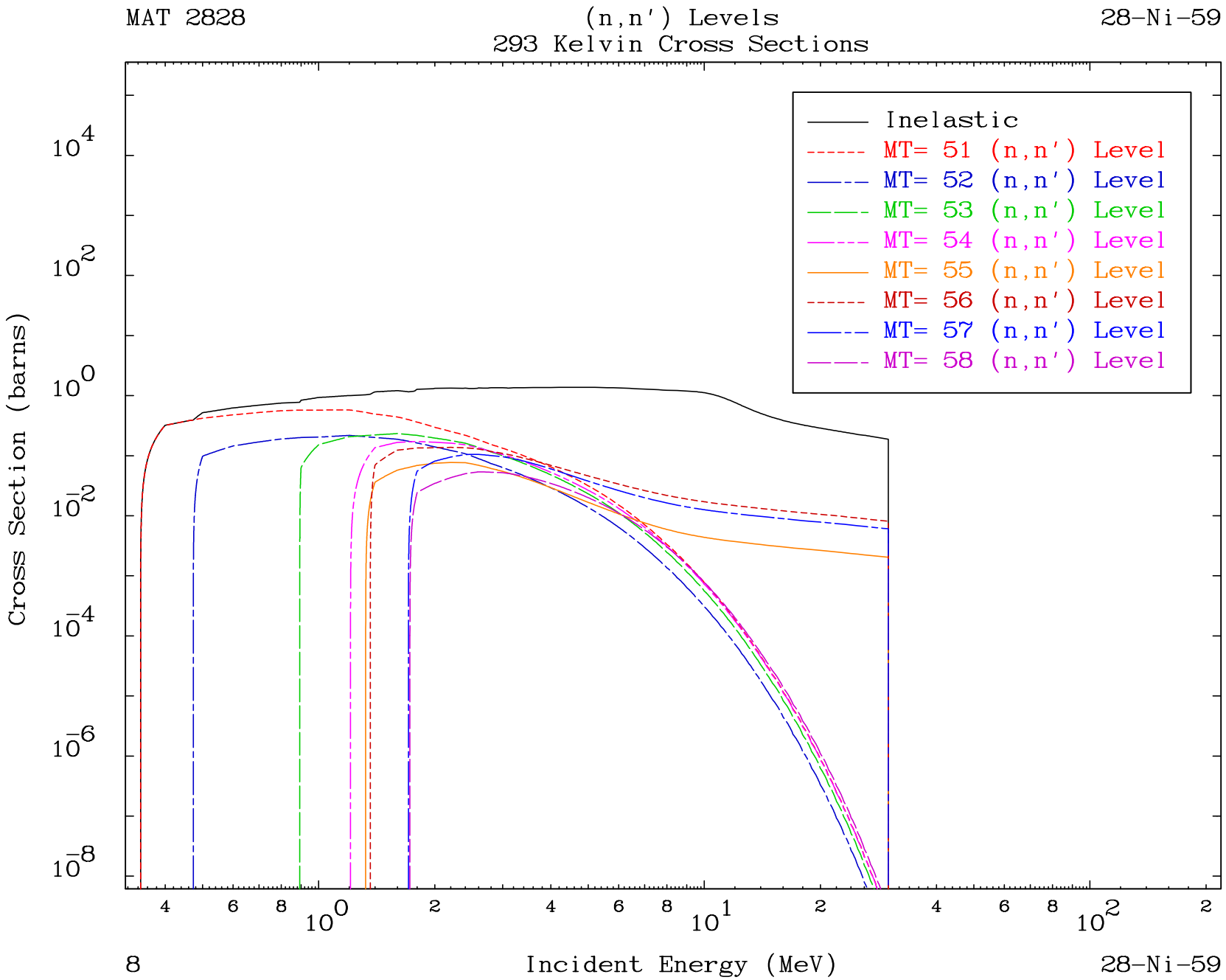

MAT 2828
Neutron Absorption
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
3
28-Ni-59

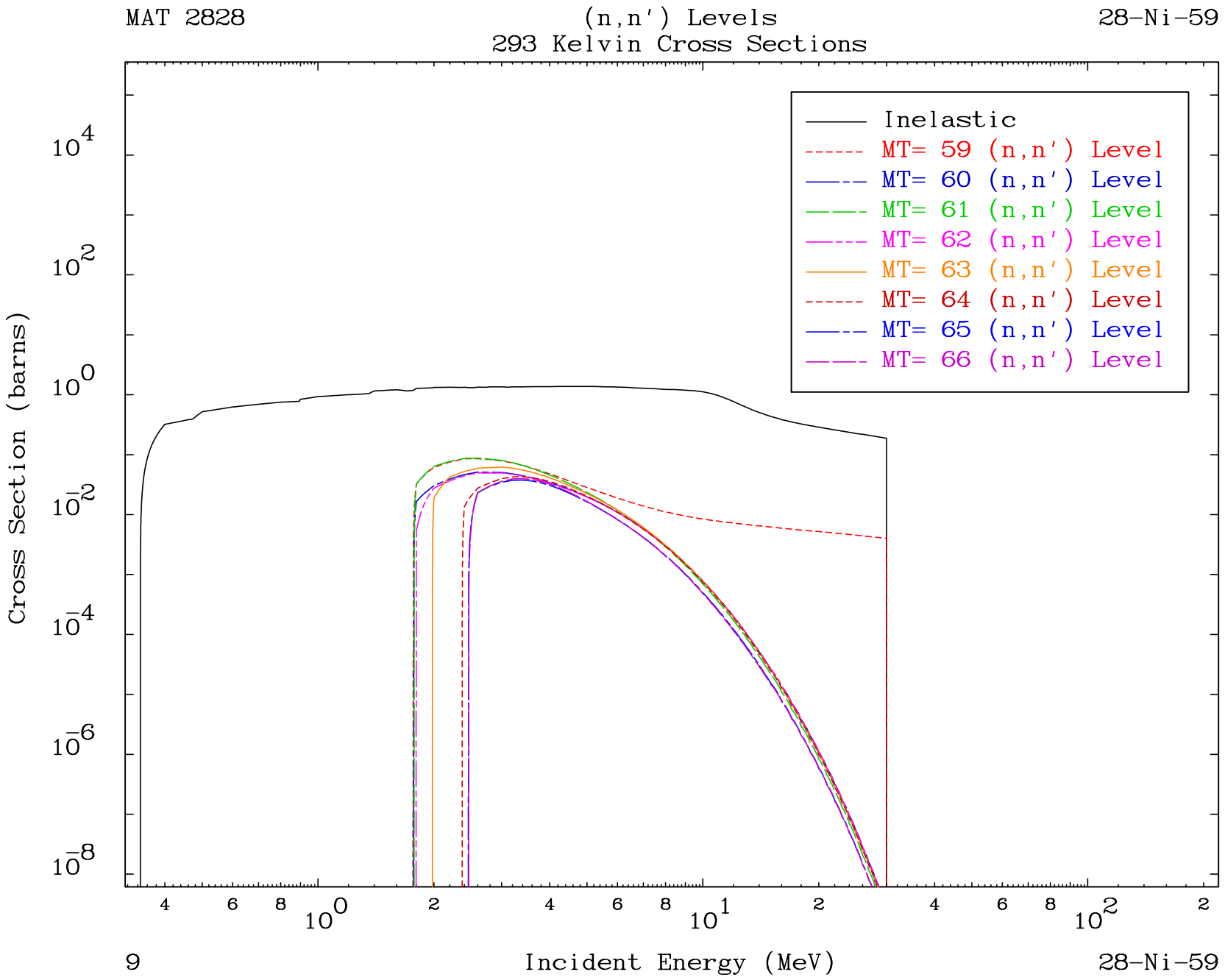

MAT 2828
Neutron Absorption
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
4
28-Ni-59

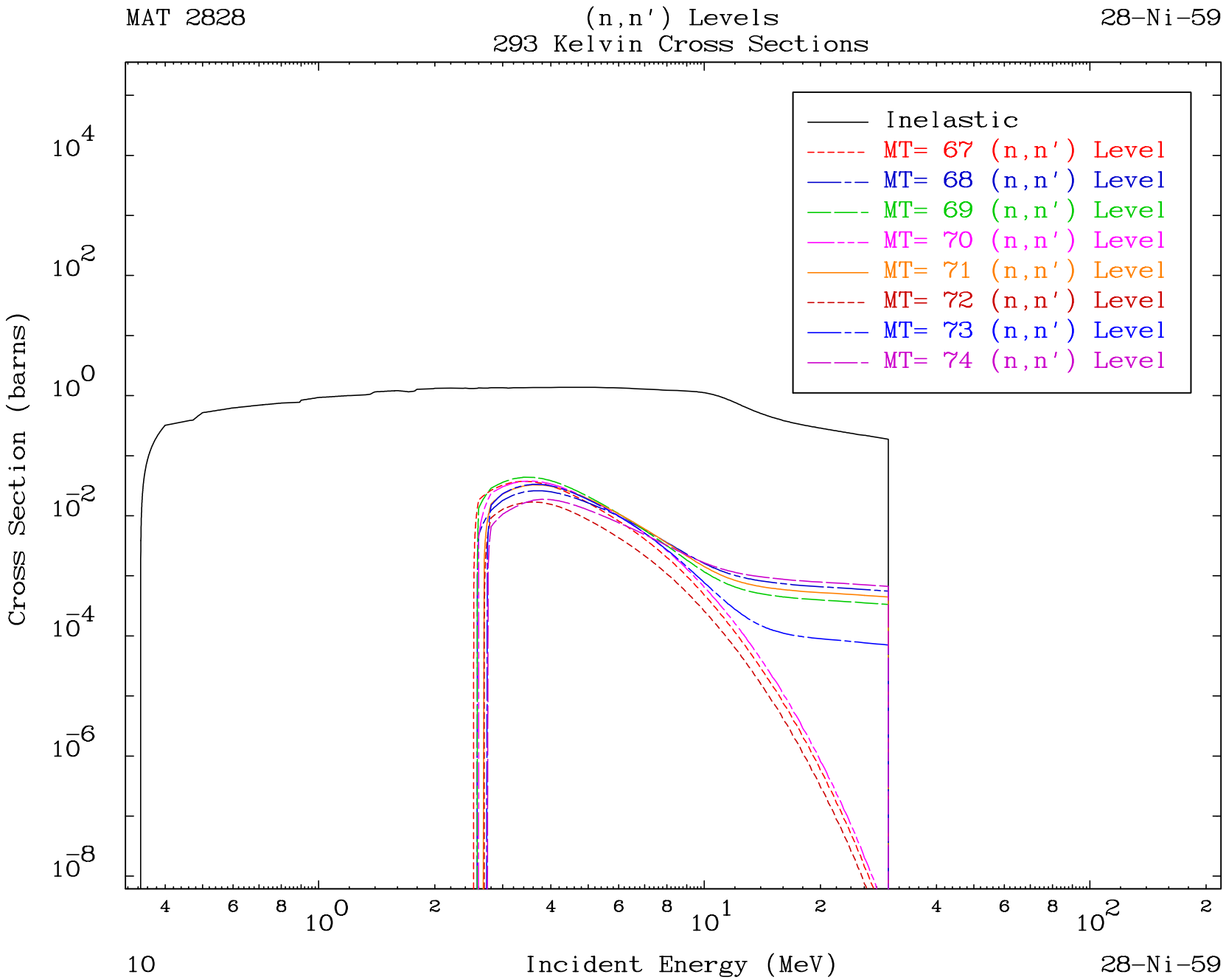

MAT 2828
Charged Particle
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
28-Ni-59
5
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

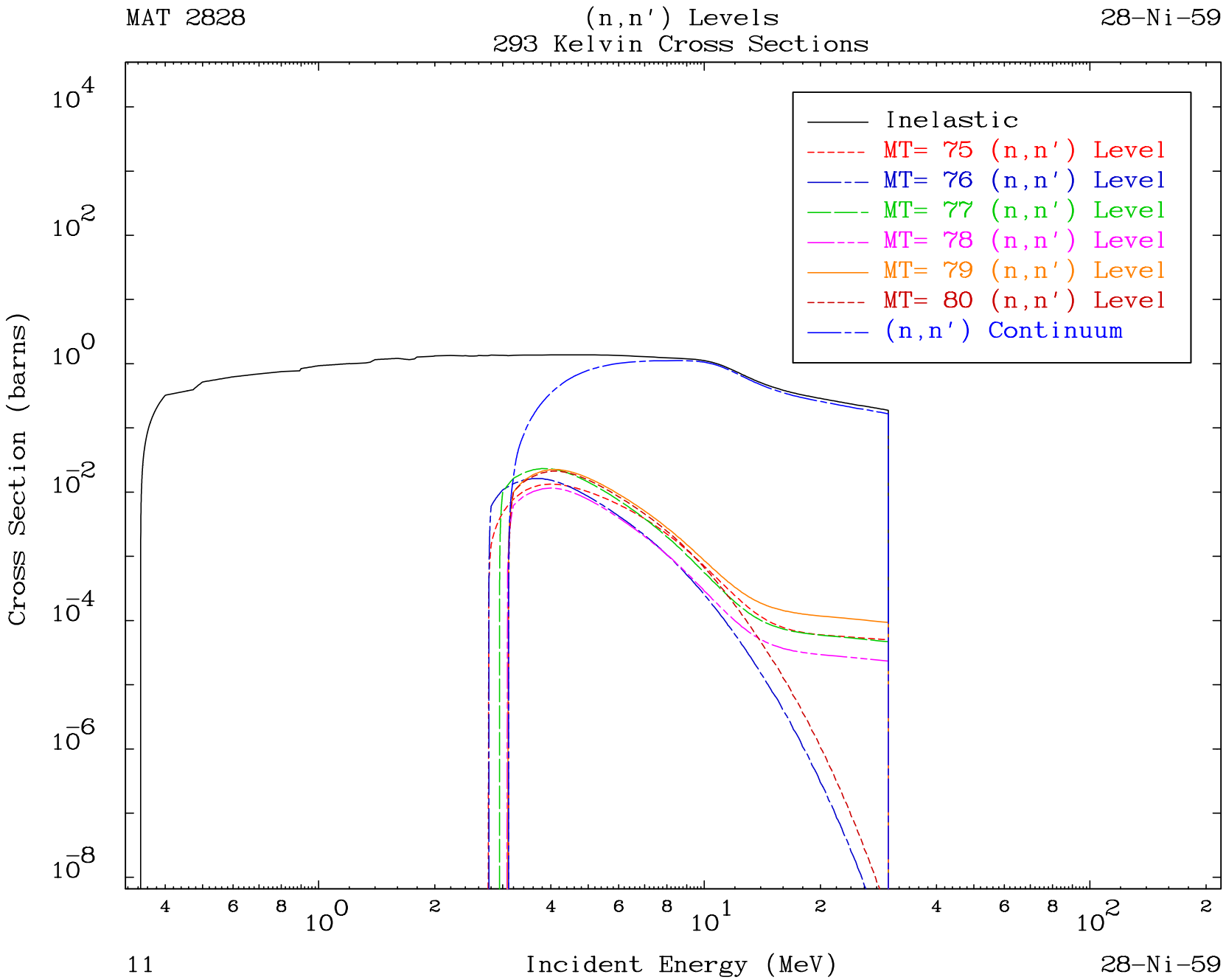

MAT 2828
Charged Particle
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
6
28-Ni-59

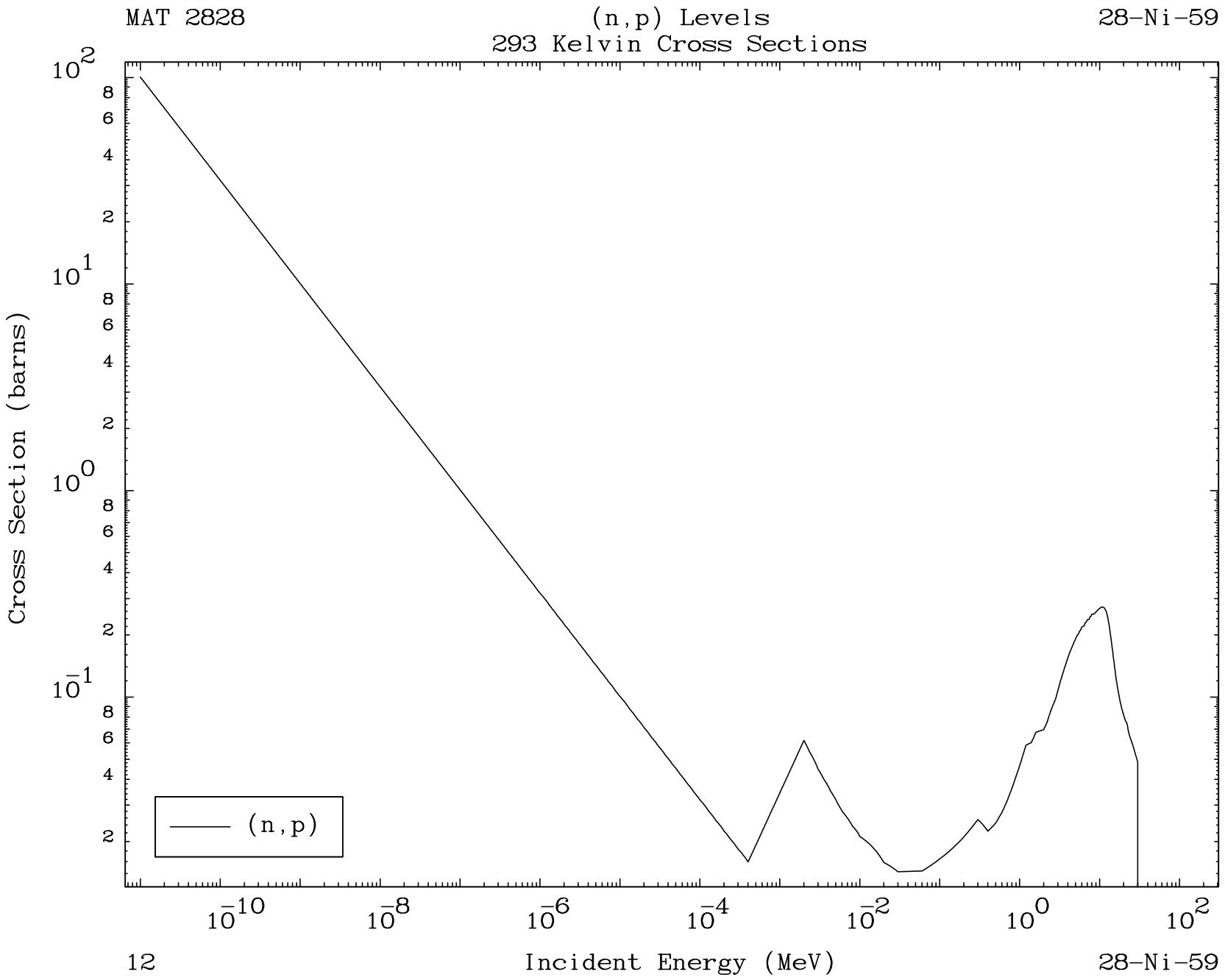

MAT 2828
Particle Production
293 Kelvin Cross Sections
28-Ni-59
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
7
28-Ni-59

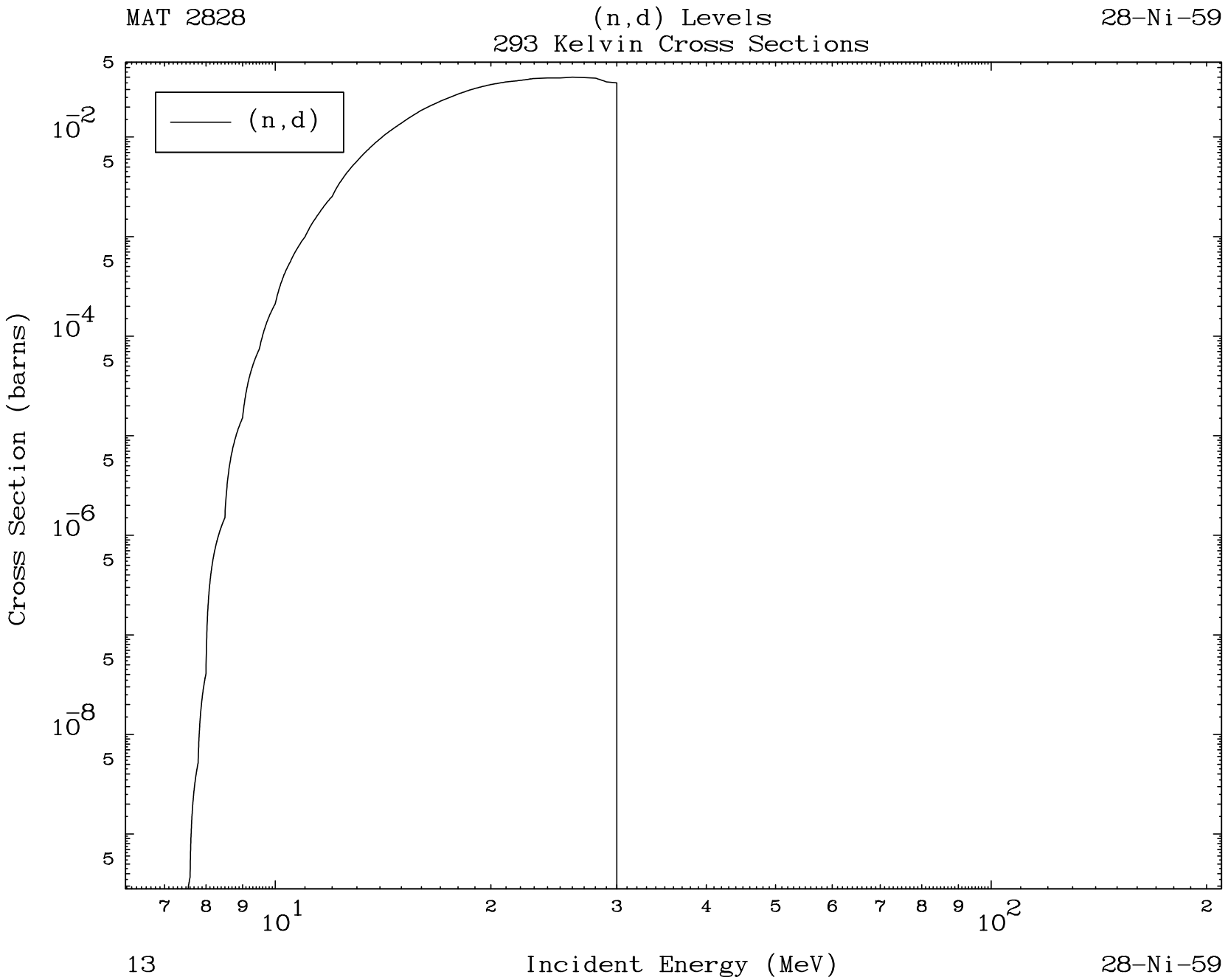

MAT 2828
(n,n') Levels
293 Kelvin Cross Sections
28-Ni-59
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
28-Ni-59

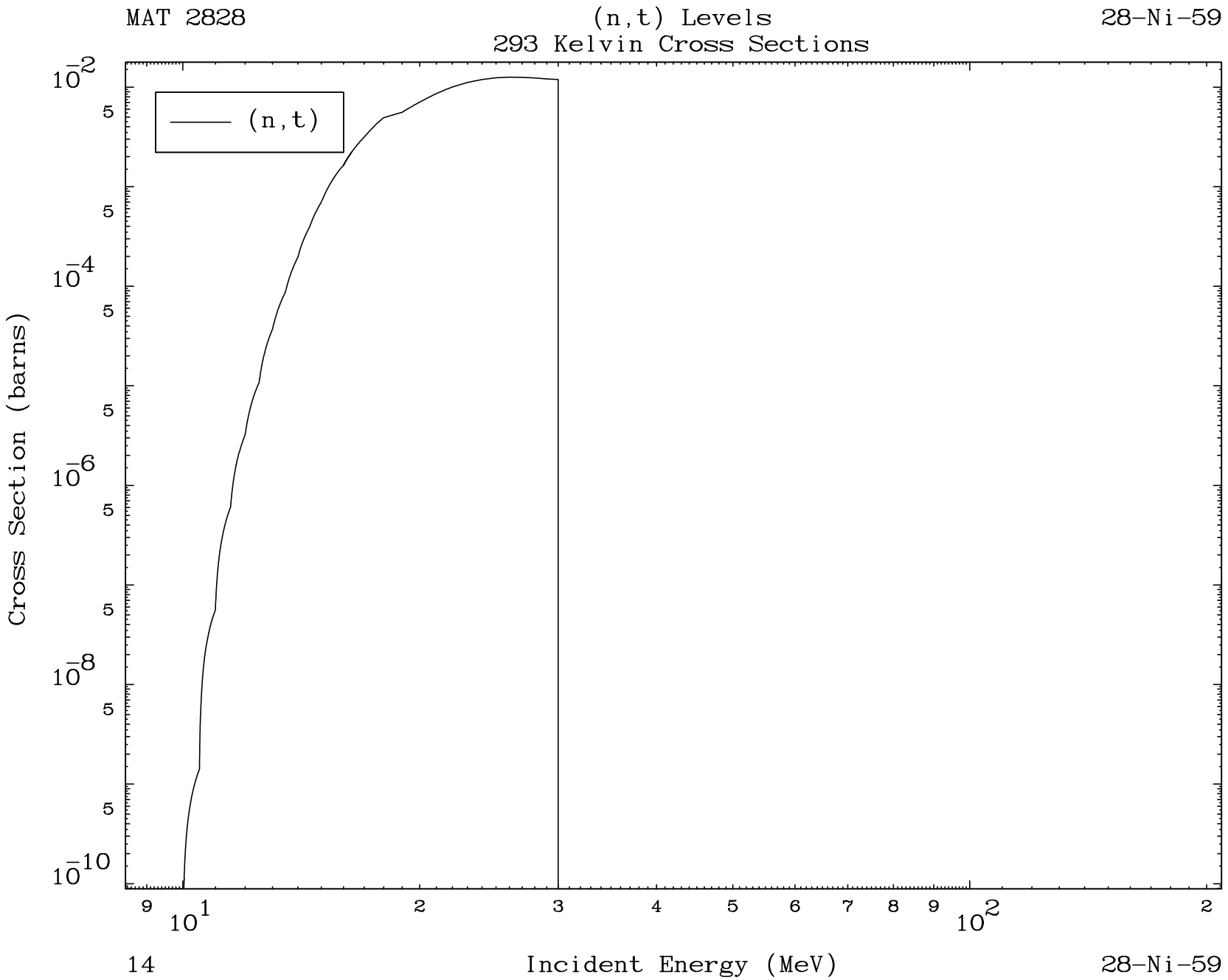

MAT 2828
(n,n') Levels
293 Kelvin Cross Sections
28-Ni-59
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
28-Ni-59

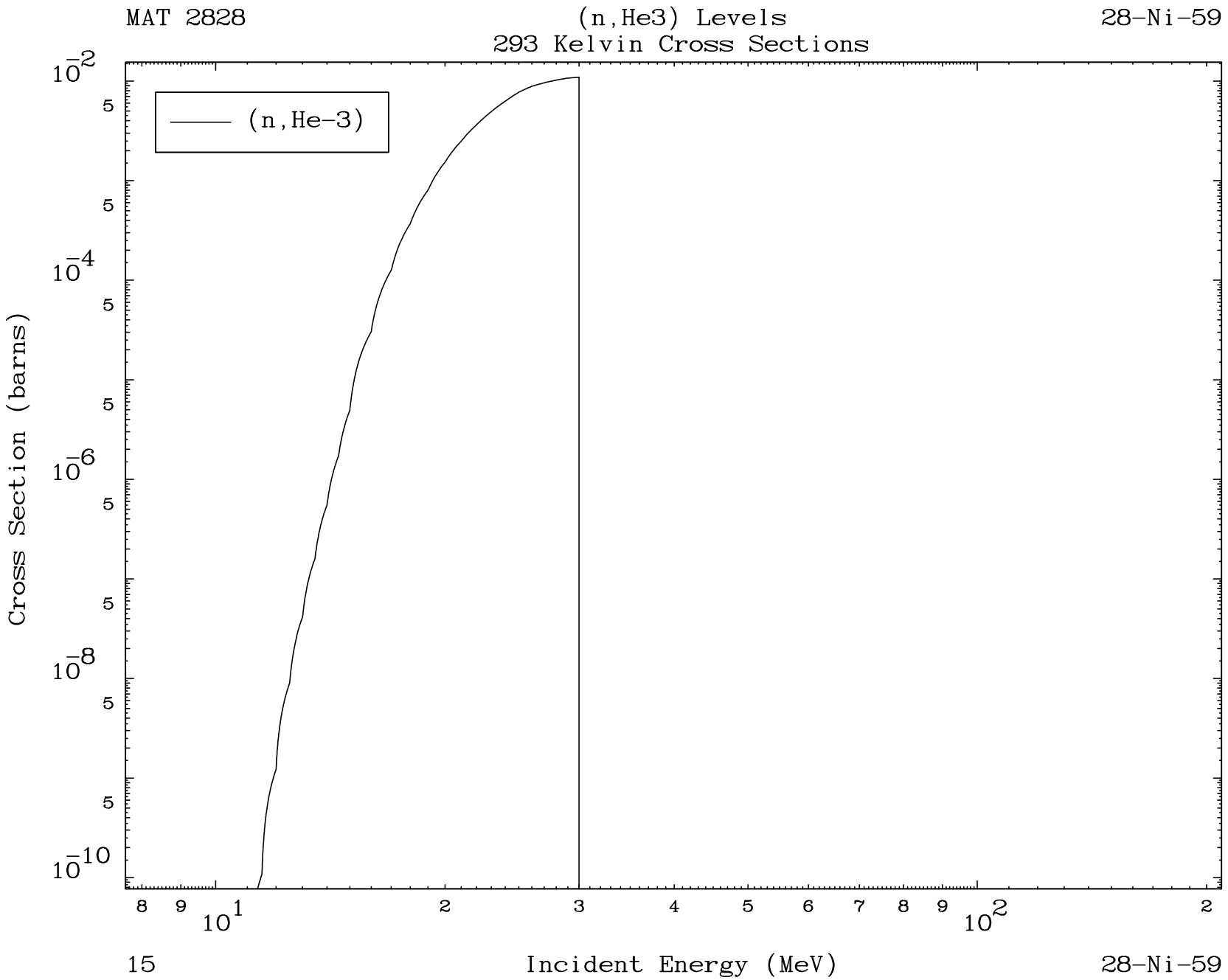

MAT 2828
(n,n') Levels
293 Kelvin Cross Sections
28-Ni-59
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
28-Ni-59

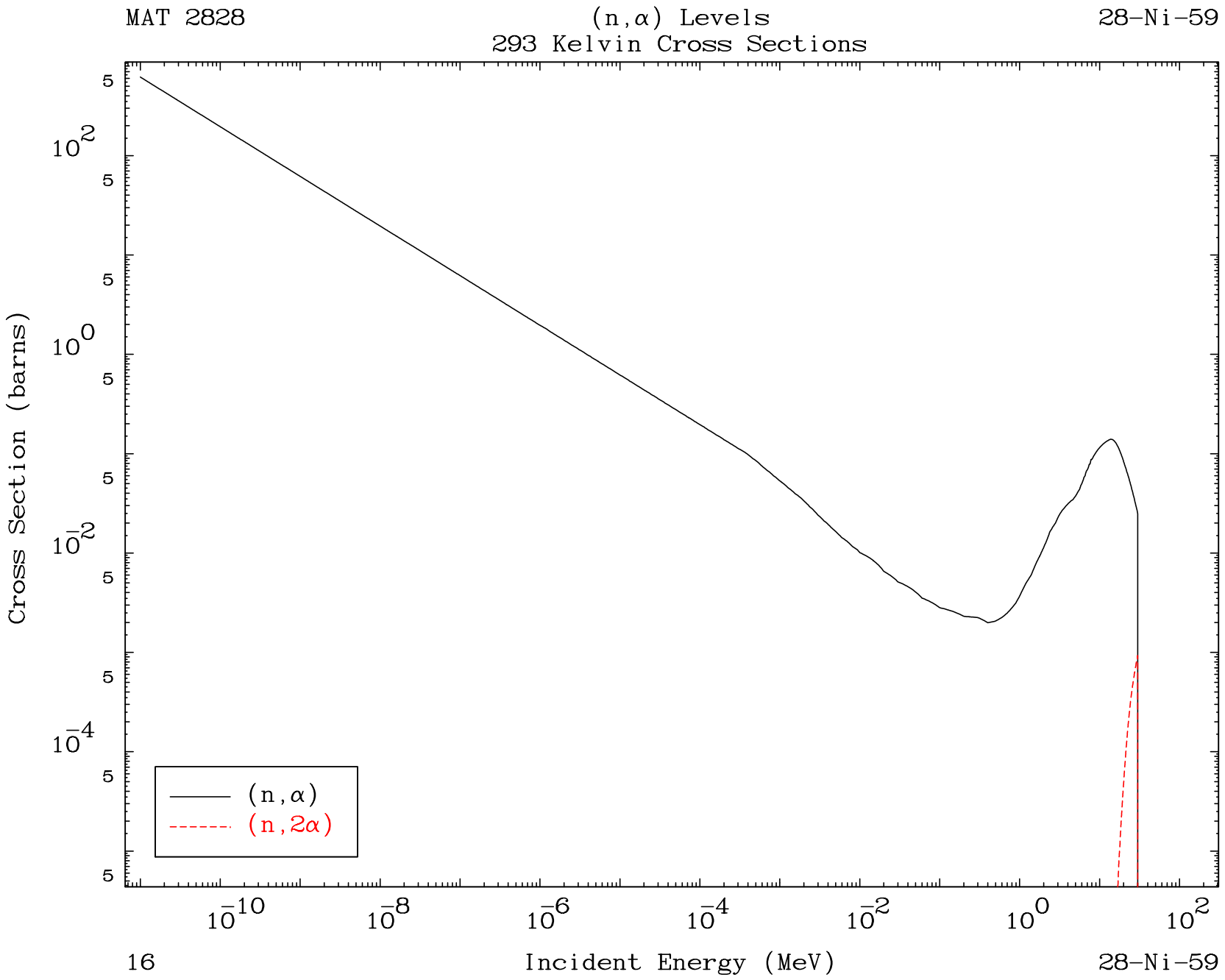

MAT 2828
(n,n') Levels
293 Kelvin Cross Sections
28-Ni-59
Inelastic
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
11
28-Ni-59

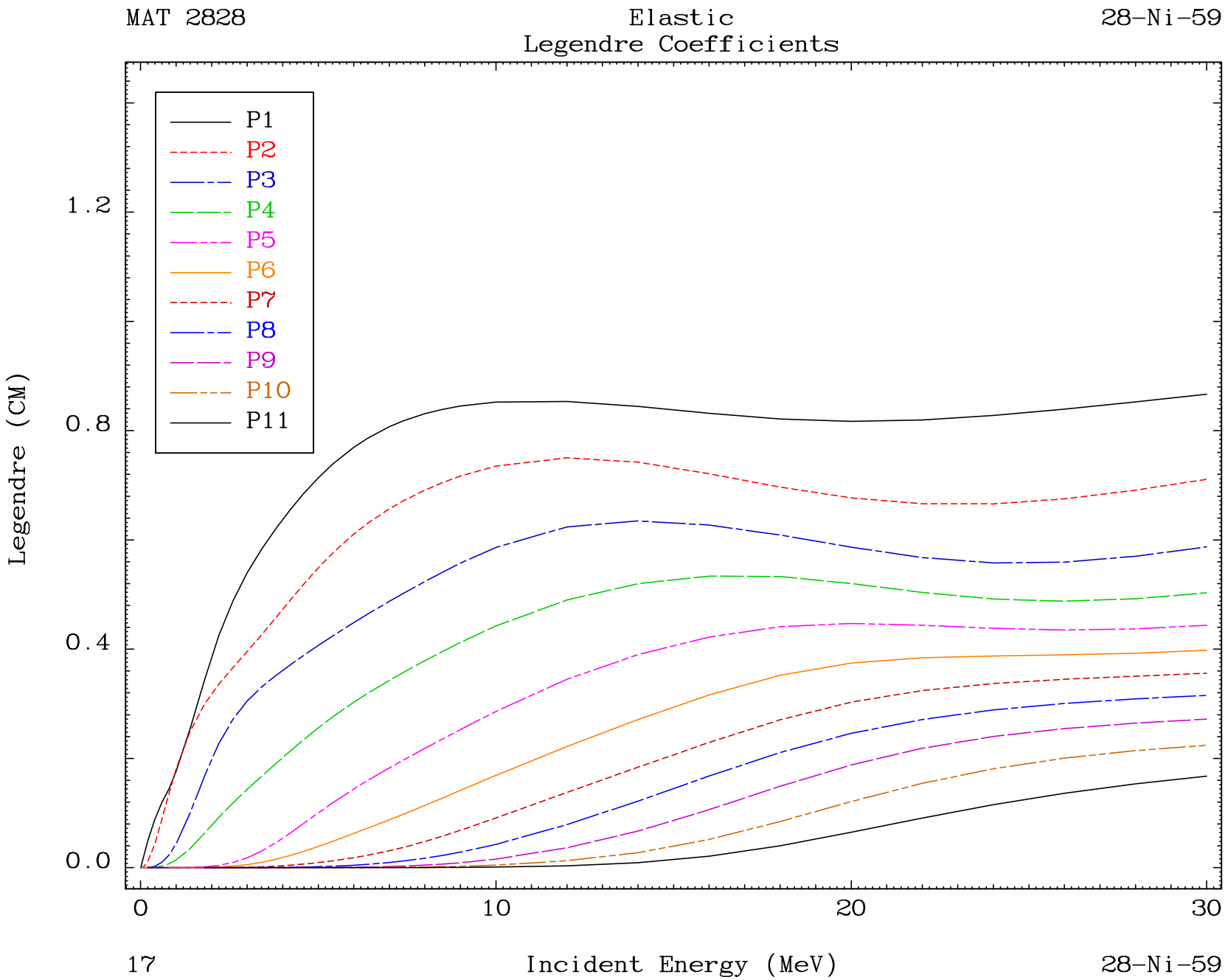

MAT 2828
(n,p) Levels
28-Ni-59
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
12
28-Ni-59

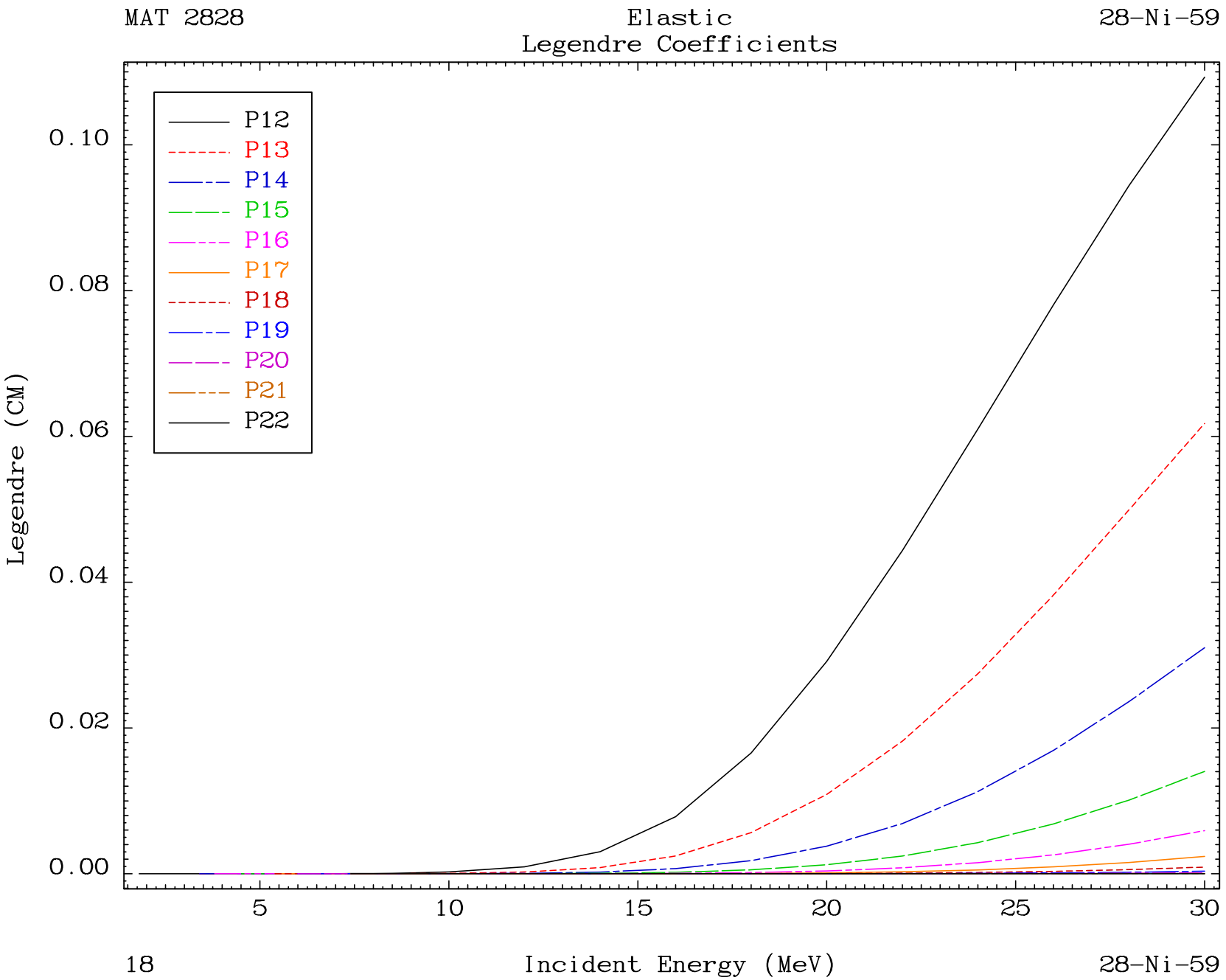

MAT 2828
(n,d) Levels
28-Ni-59
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
28-Ni-59

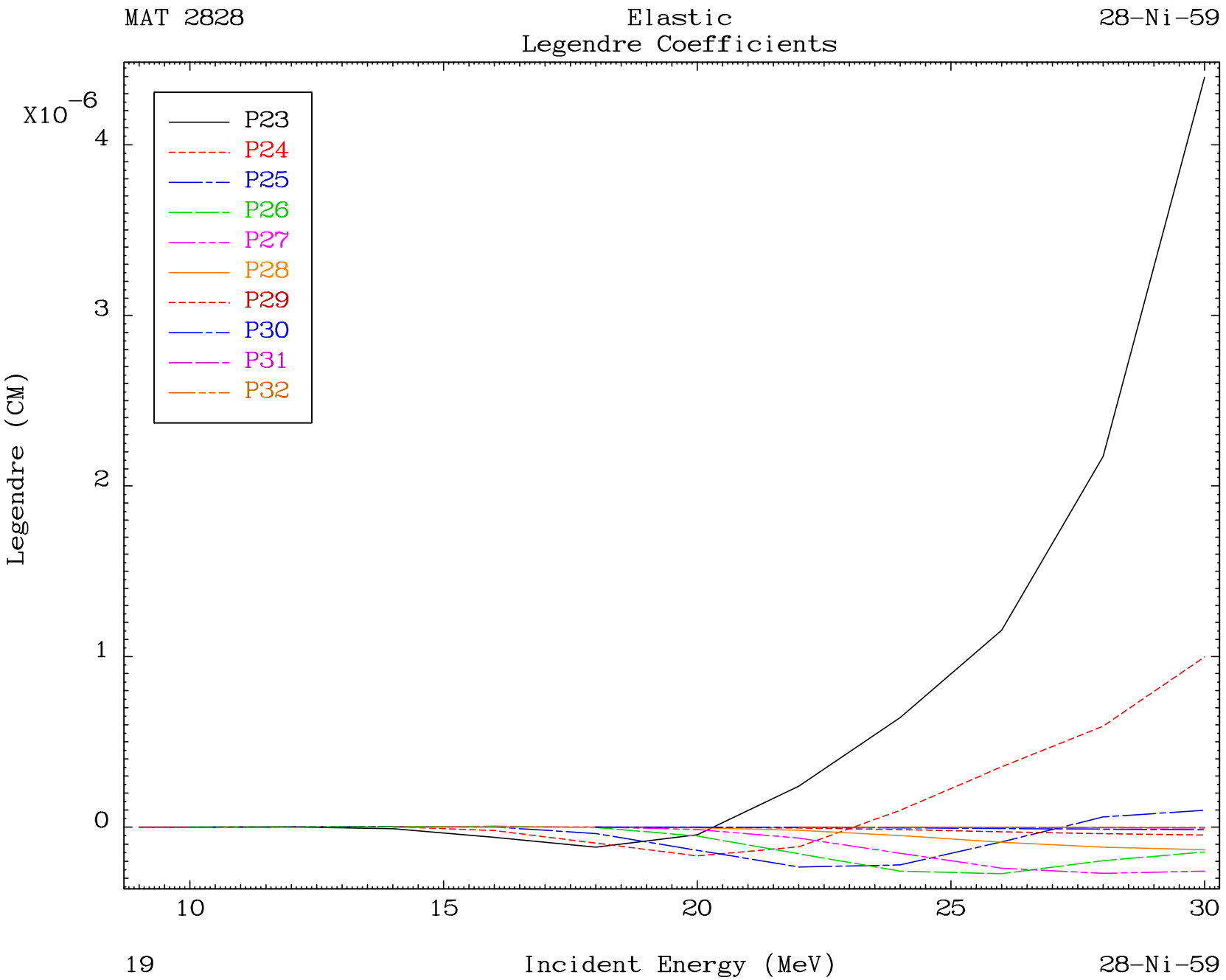

MAT 2828
(n,t) Levels
28-Ni-59
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
28-Ni-59

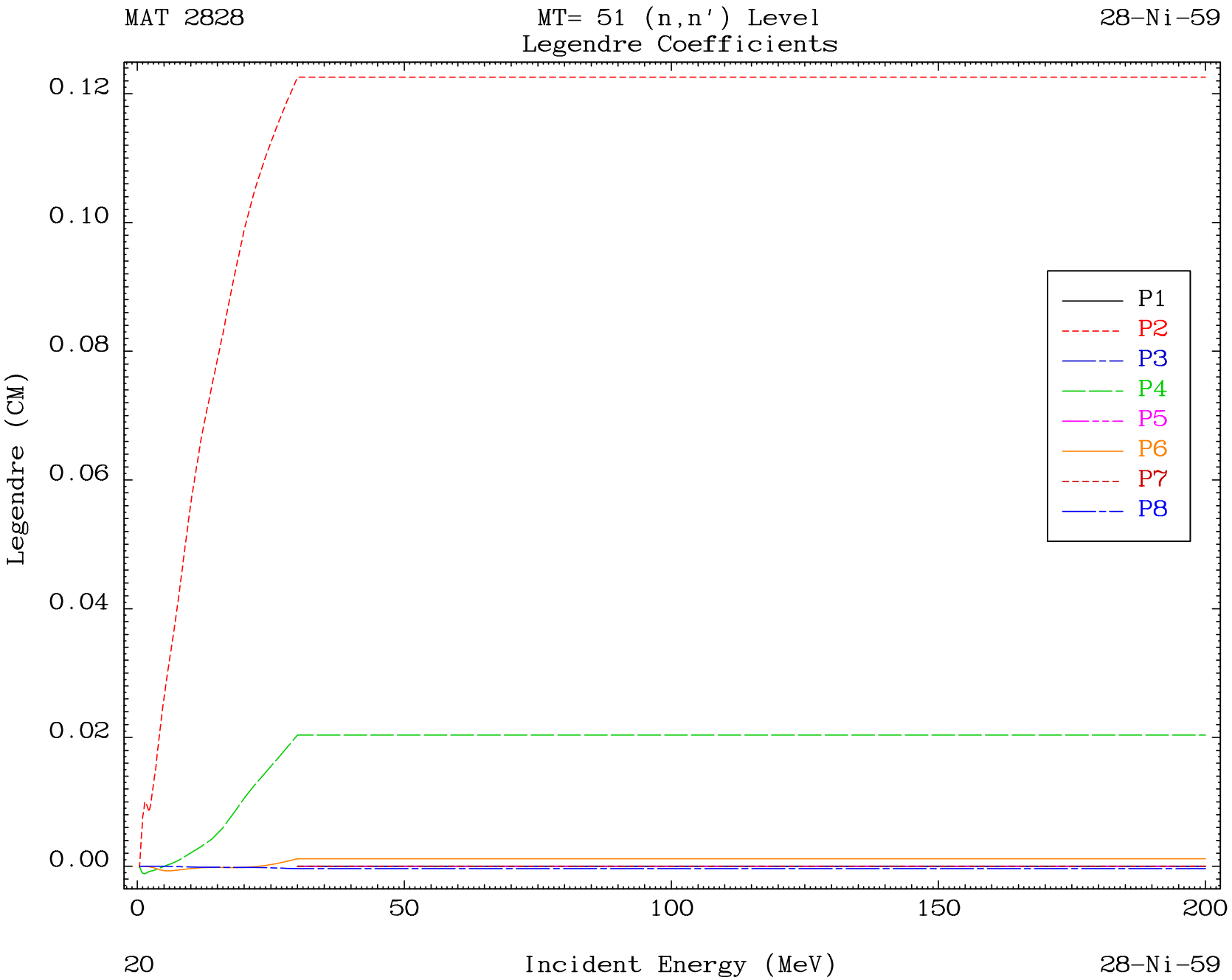

MAT 2828
(n,He3) Levels
28-Ni-59
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
15
28-Ni-59

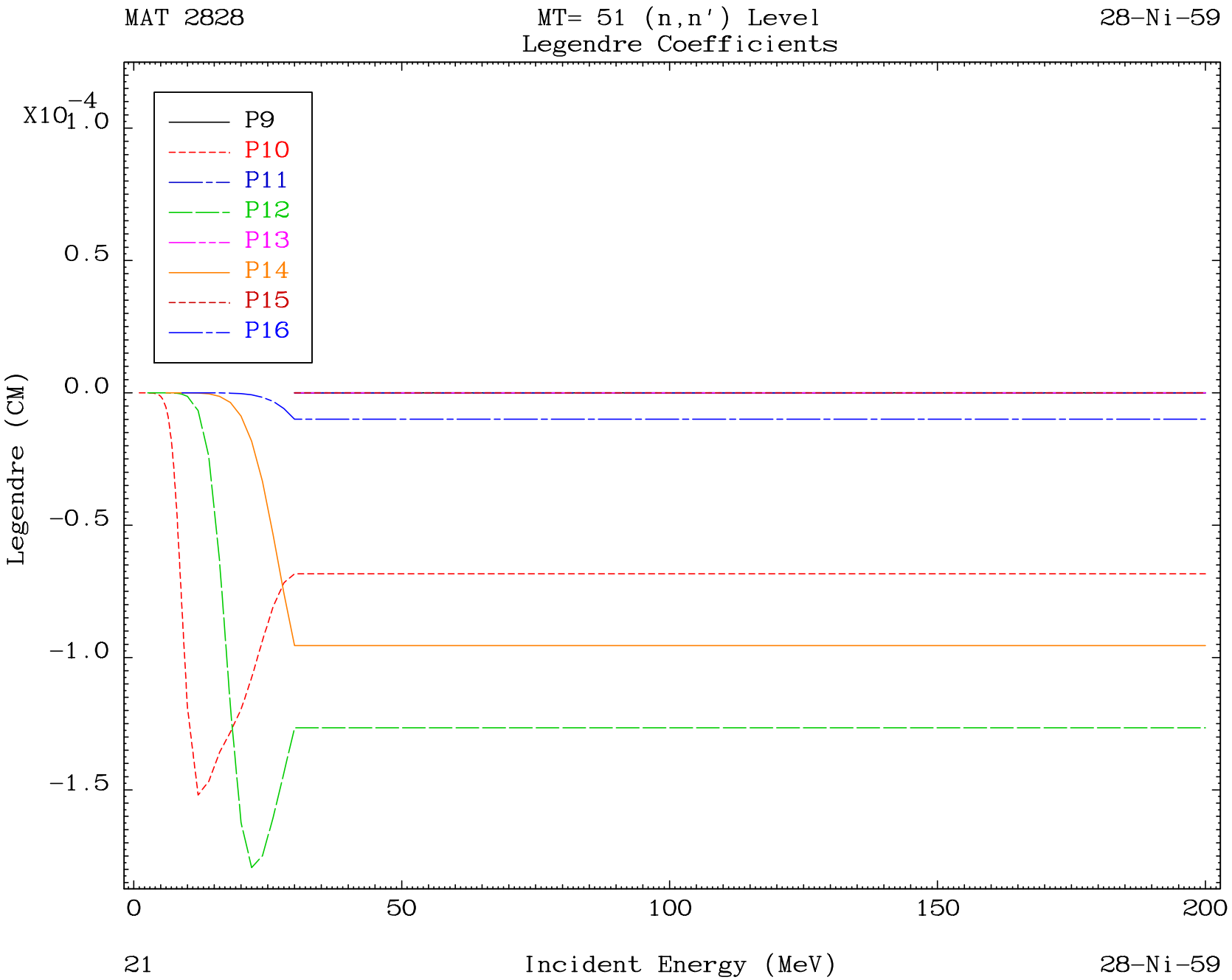

MAT 2828
(n,α) Levels
28-Ni-59
293 Kelvin Cross Sections
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
(n,α)
(n,2α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
16
28-Ni-59

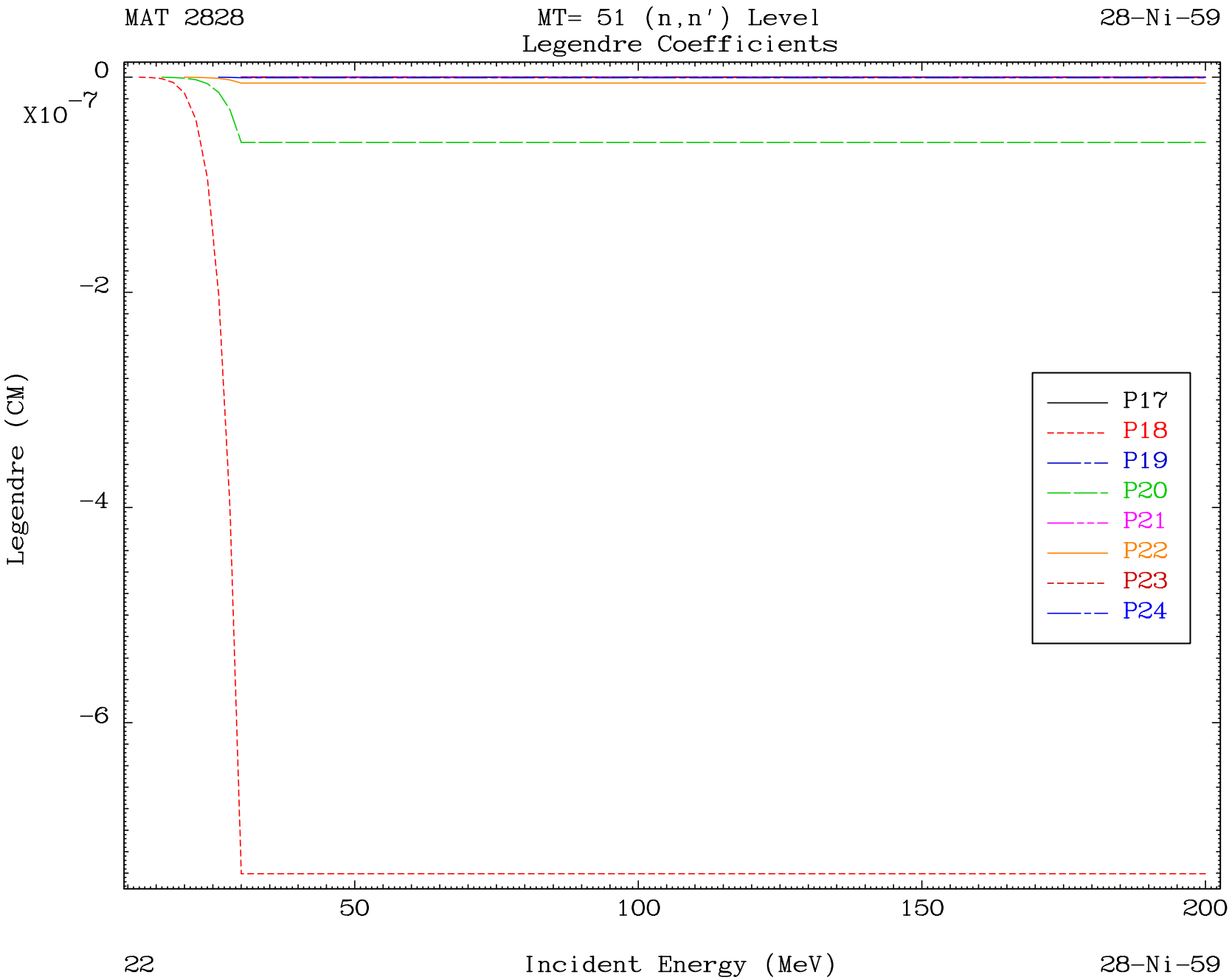

MAT 2828
Elastic
Legendre Coefficients
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
1.2
0.8
0.4
0.0
0
10
20
30
17
Incident Energy (MeV)
28-Ni-59

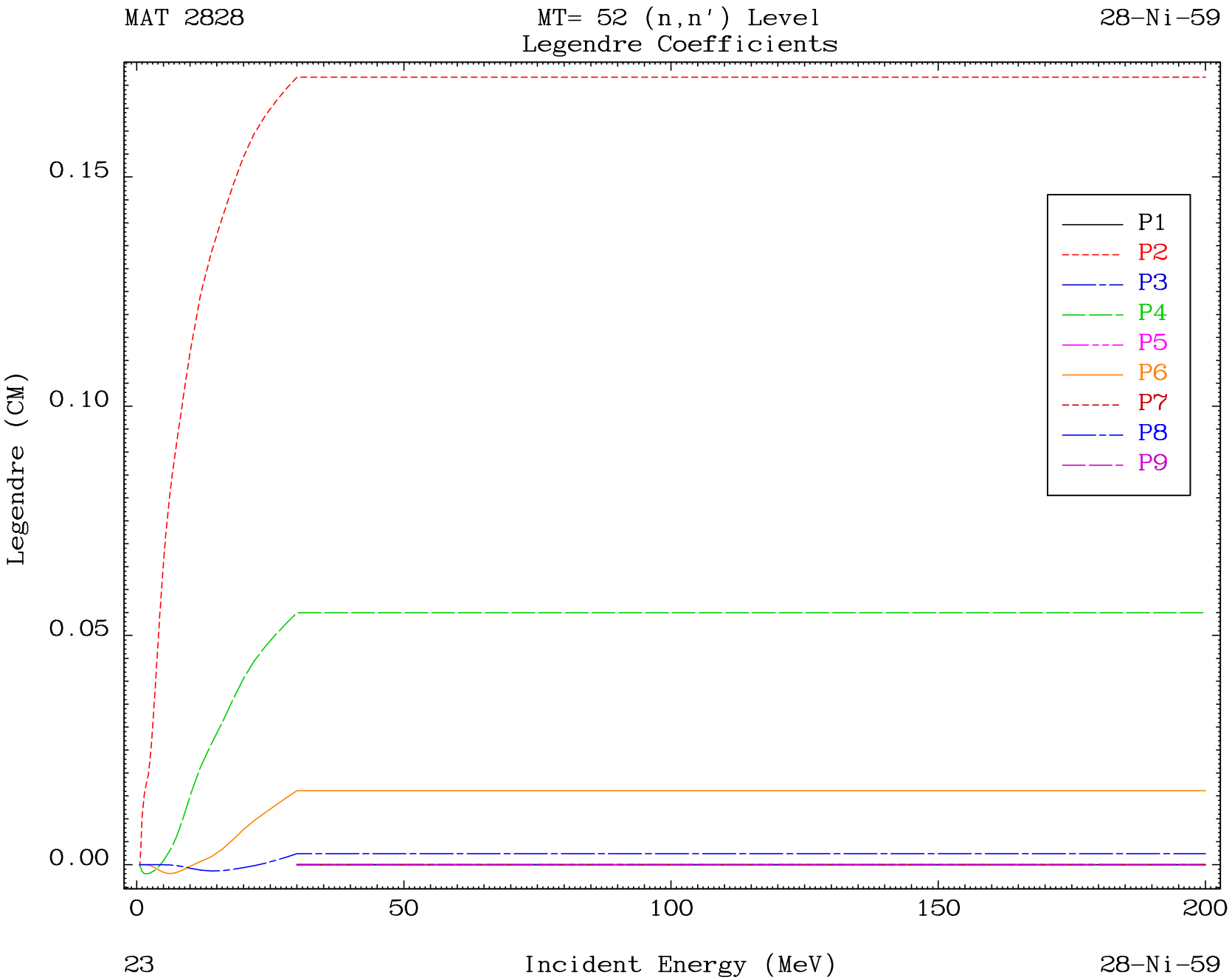

MAT 2828
Elastic
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
5
10
15
20
25
30
18
Incident Energy (MeV)
28-Ni-59

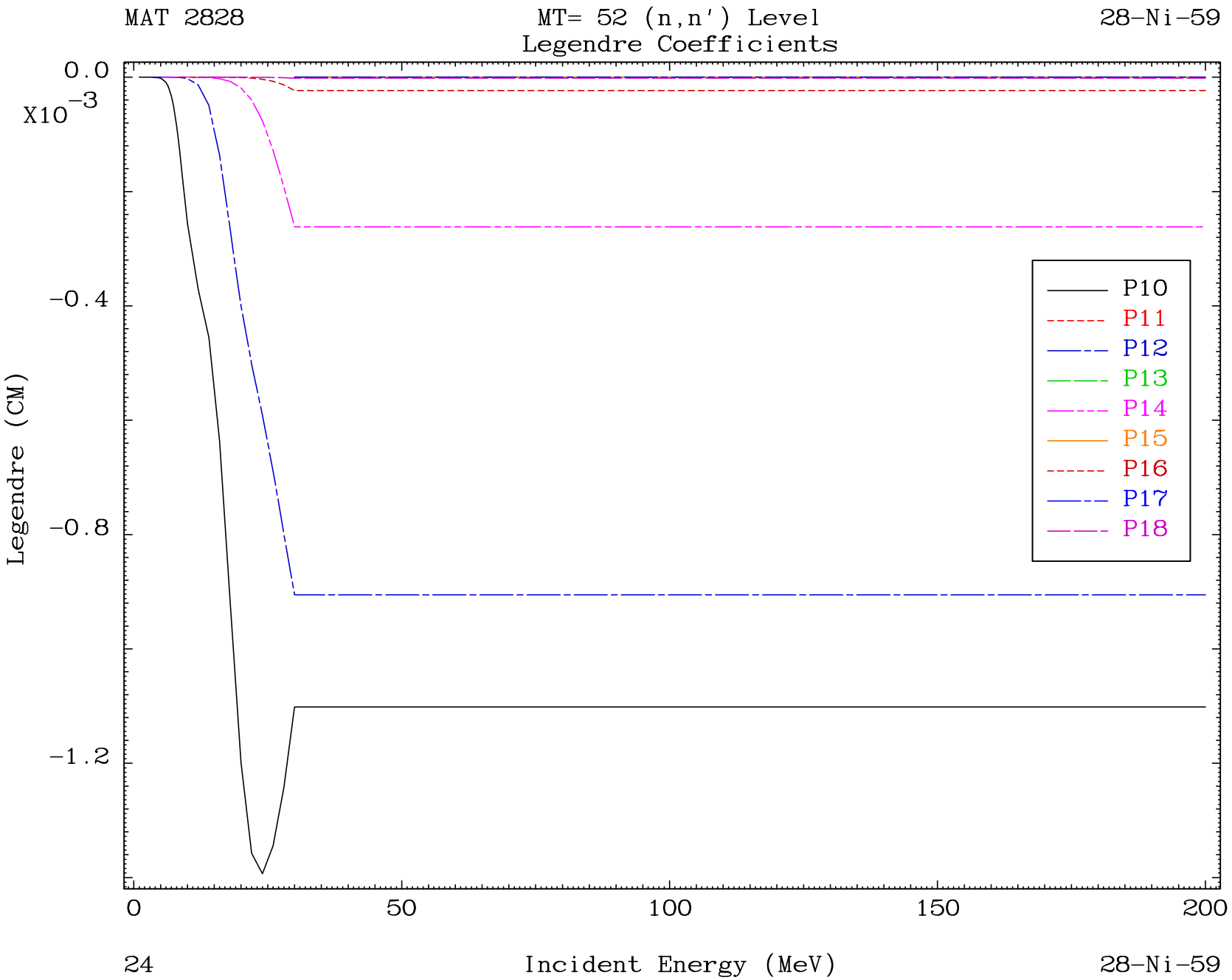

MAT 2828
Elastic
Legendre Coefficients
28-Ni-59
X10 −6
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
10
15
20
25
30
19
Incident Energy (MeV)
28-Ni-59

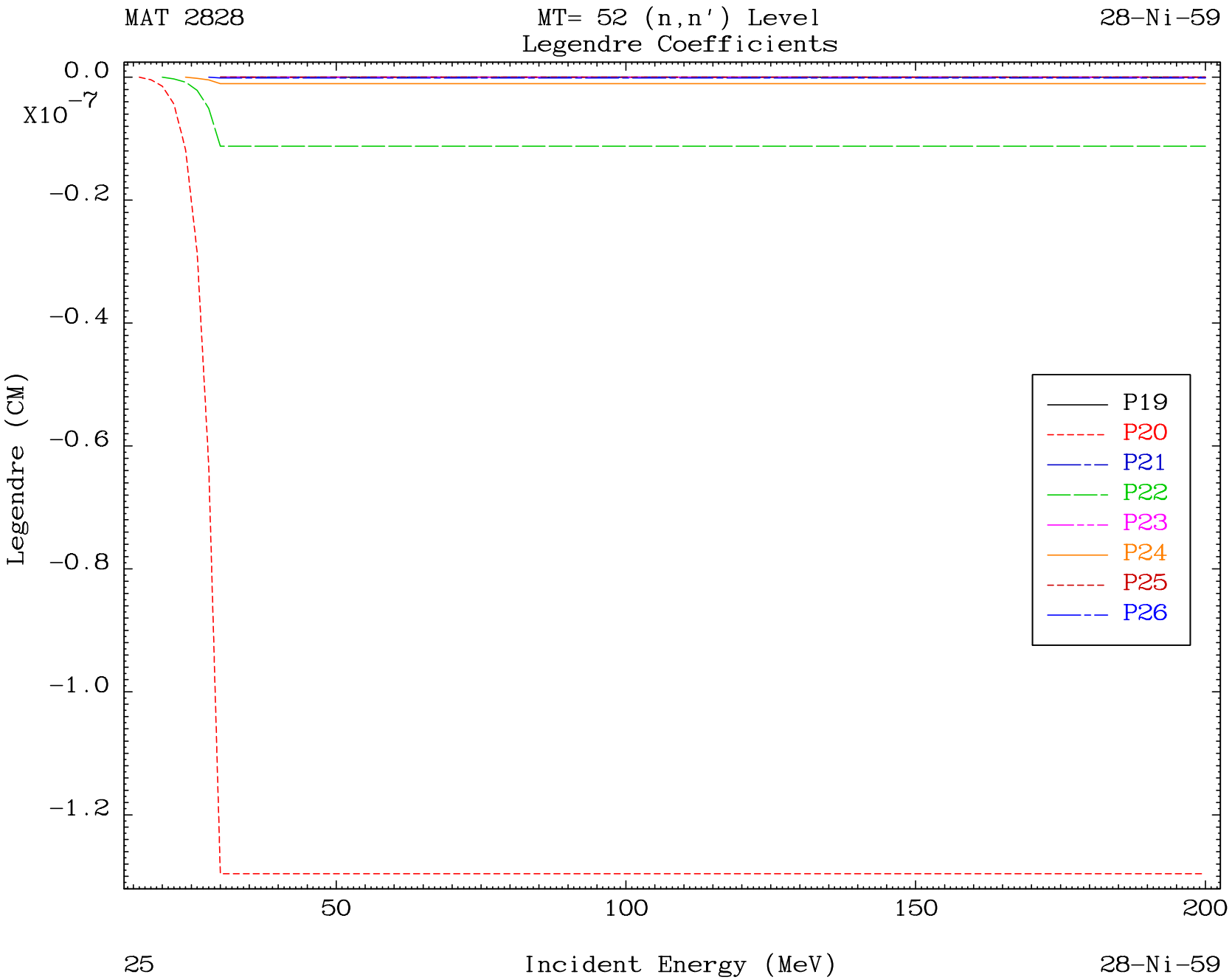

MAT 2828
MT= 51 (n,n') Level
Legendre Coefficients
28-Ni-59
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
20
Incident Energy (MeV)
28-Ni-59

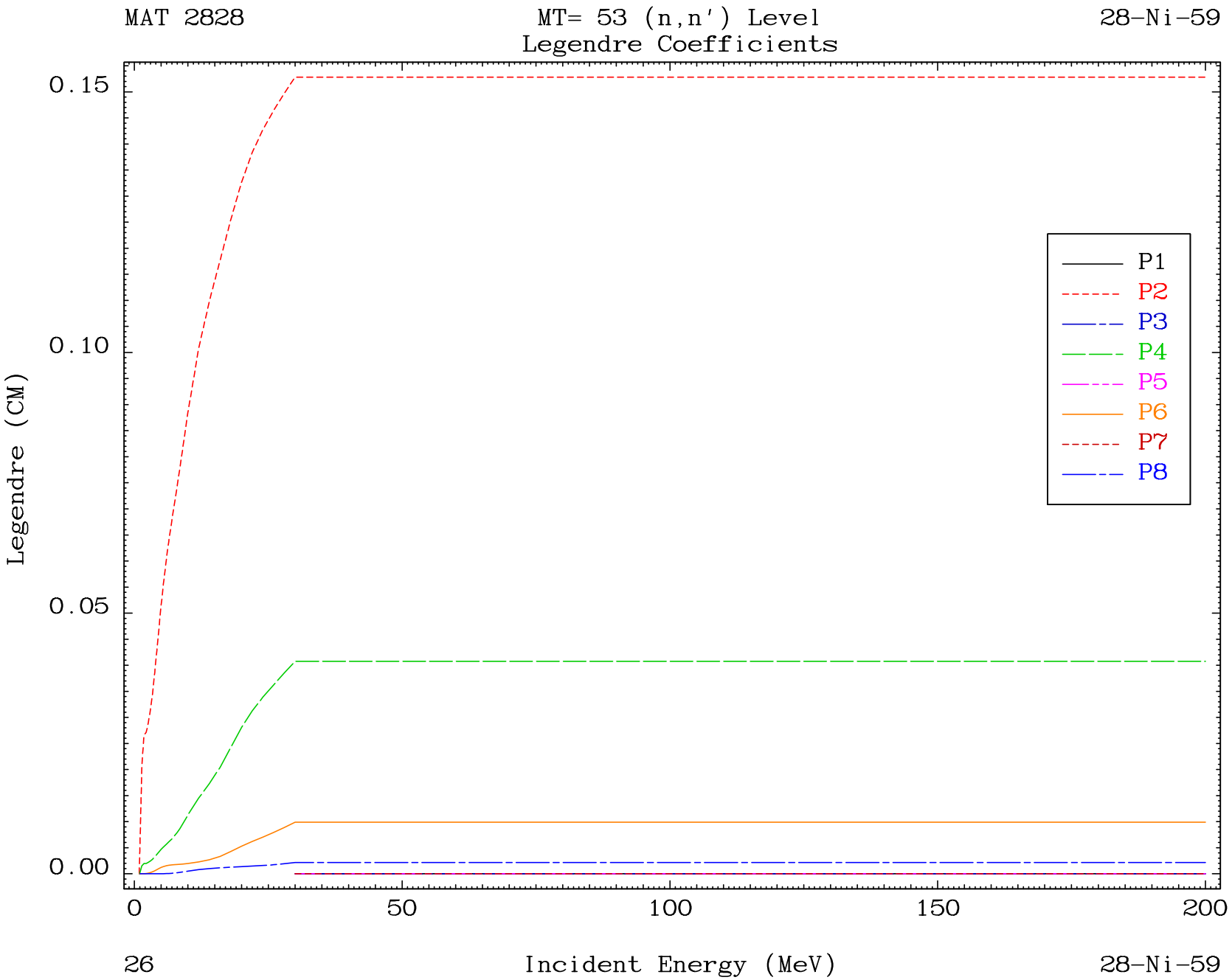

MAT 2828
MT= 51 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
21
Incident Energy (MeV)
28-Ni-59

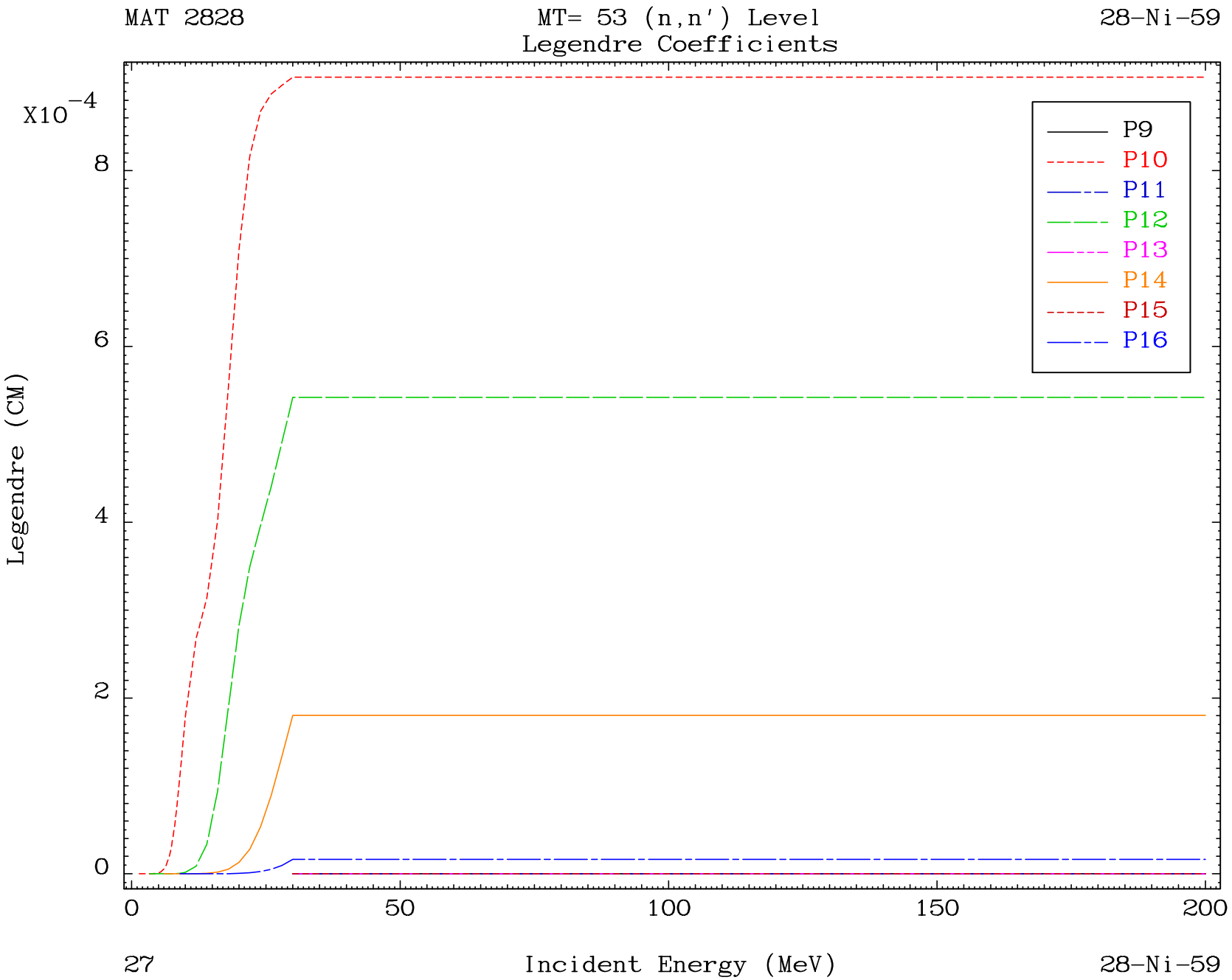

MAT 2828
MT= 51 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10-7
-2
-4
-6
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
22
Incident Energy (MeV)
28-Ni-59

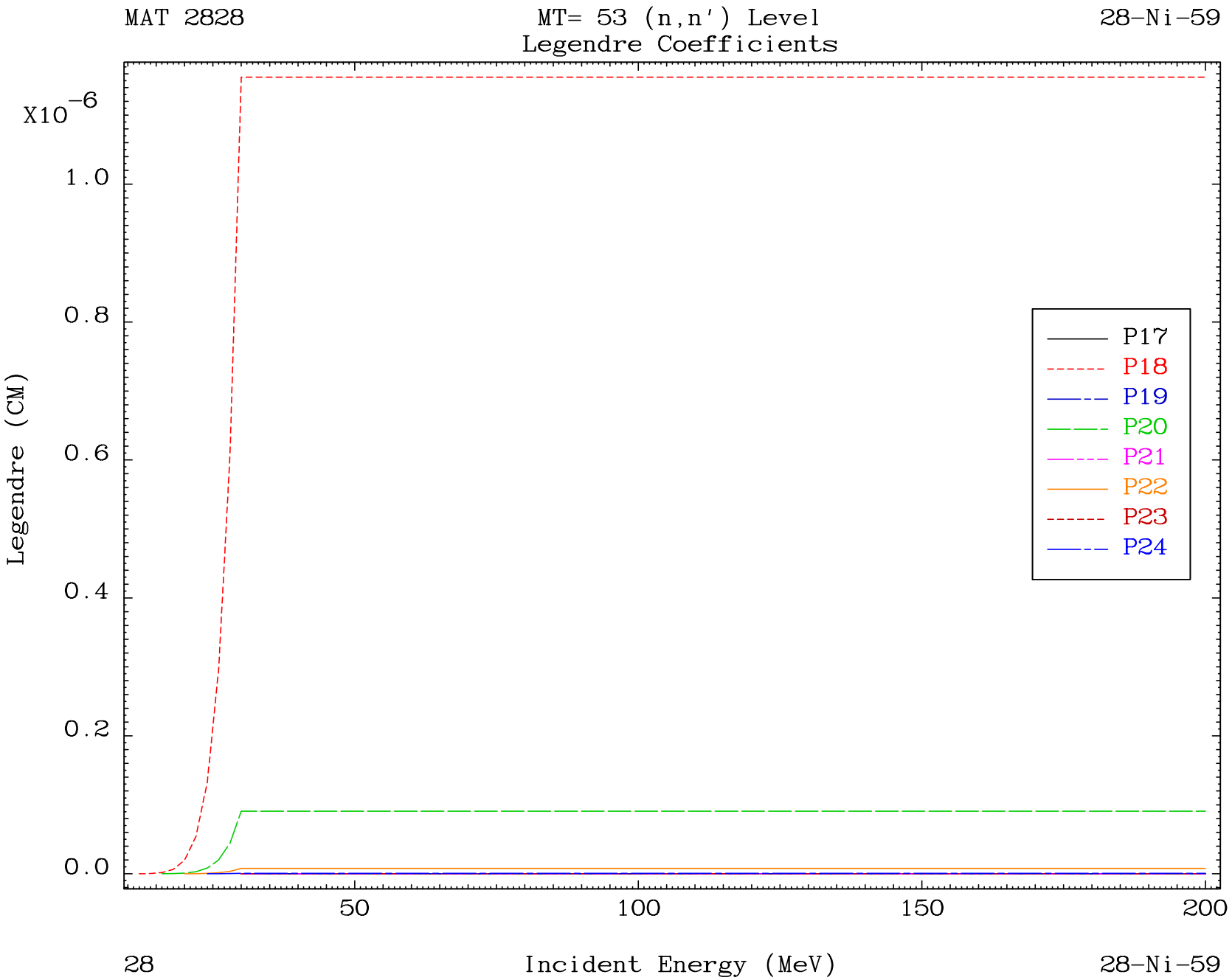

MAT 2828
MT= 52 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
23
Incident Energy (MeV)
28-Ni-59

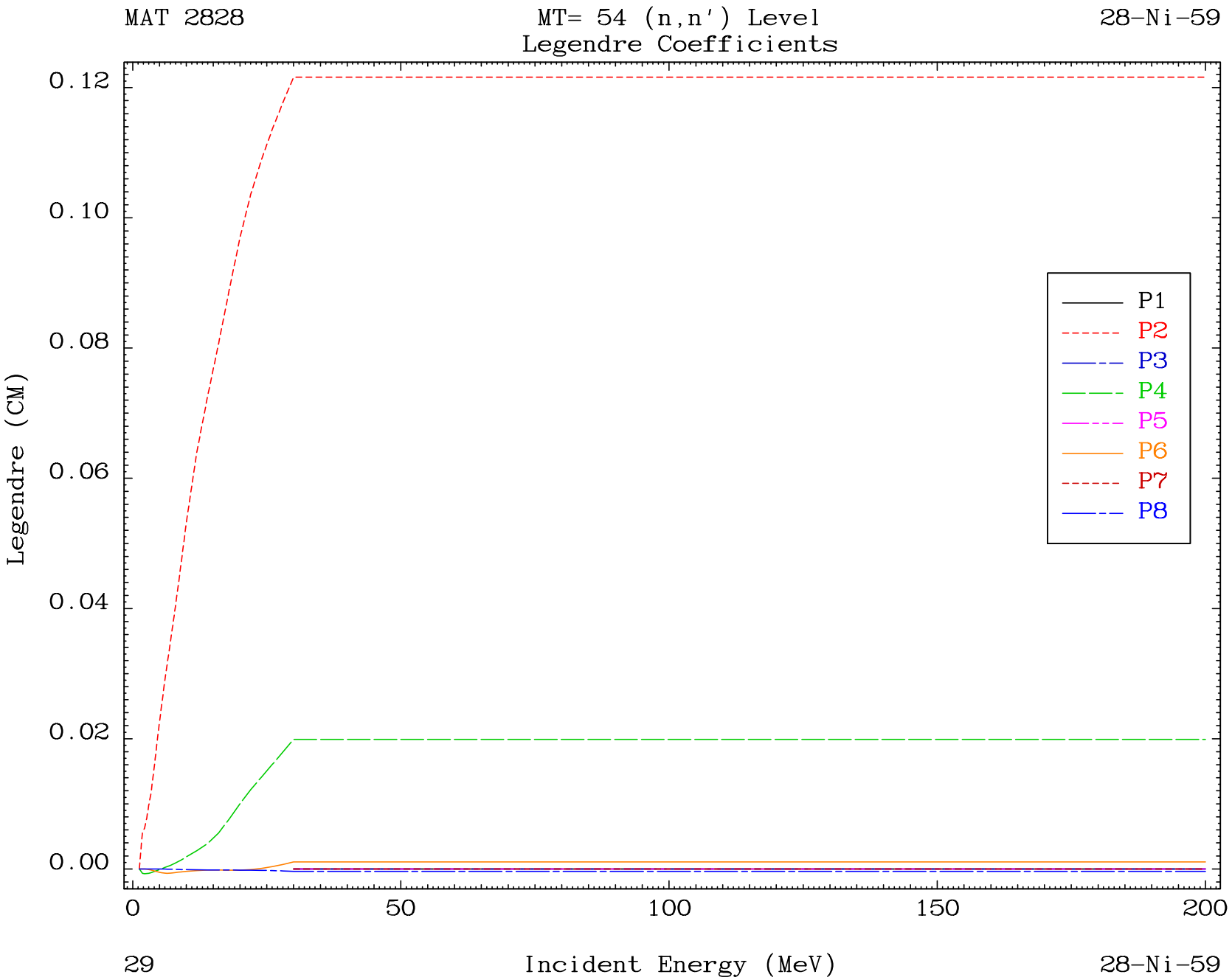

MAT 2828
MT= 52 (n,n') Level
Legendre Coefficients
28-Ni-59
0.0
X10^-3
-0.4
-0.8
-1.2
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
24
Incident Energy (MeV)
28-Ni-59

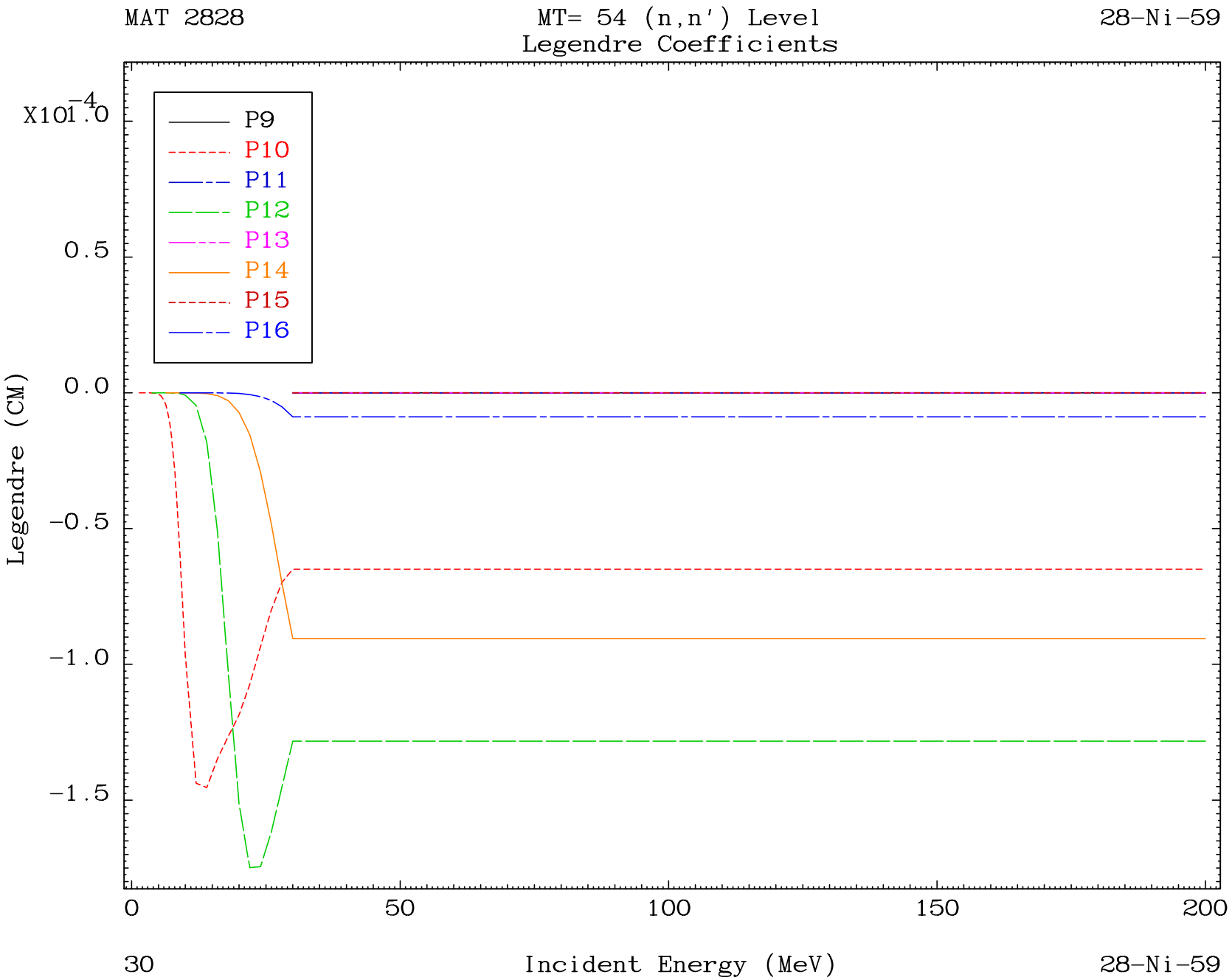

MAT 2828
MT= 52 (n,n') Level
Legendre Coefficients
28-Ni-59
0.0
X10^-7
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
25
Incident Energy (MeV)
28-Ni-59

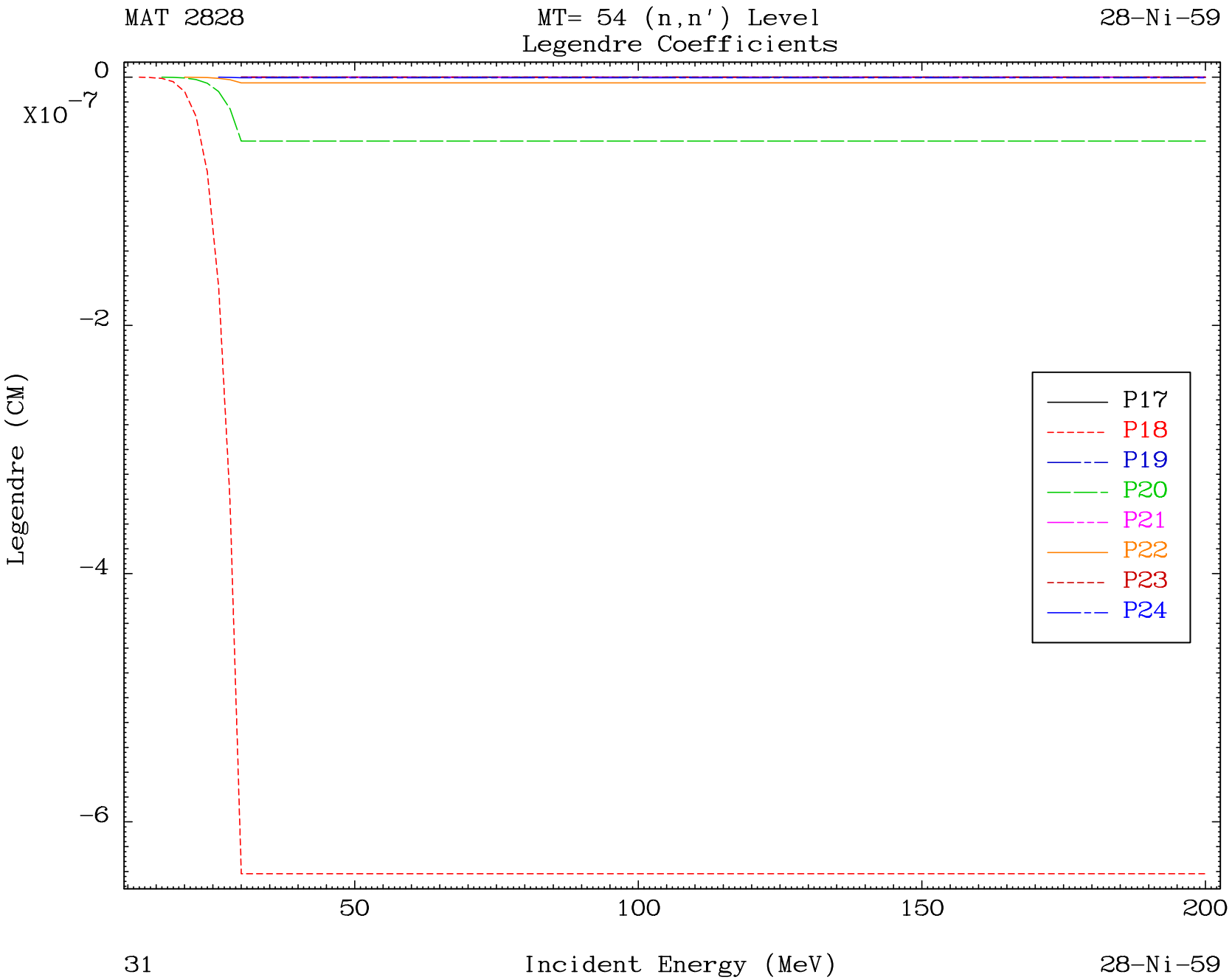

MAT 2828
MT= 53 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
26
Incident Energy (MeV)
28-Ni-59

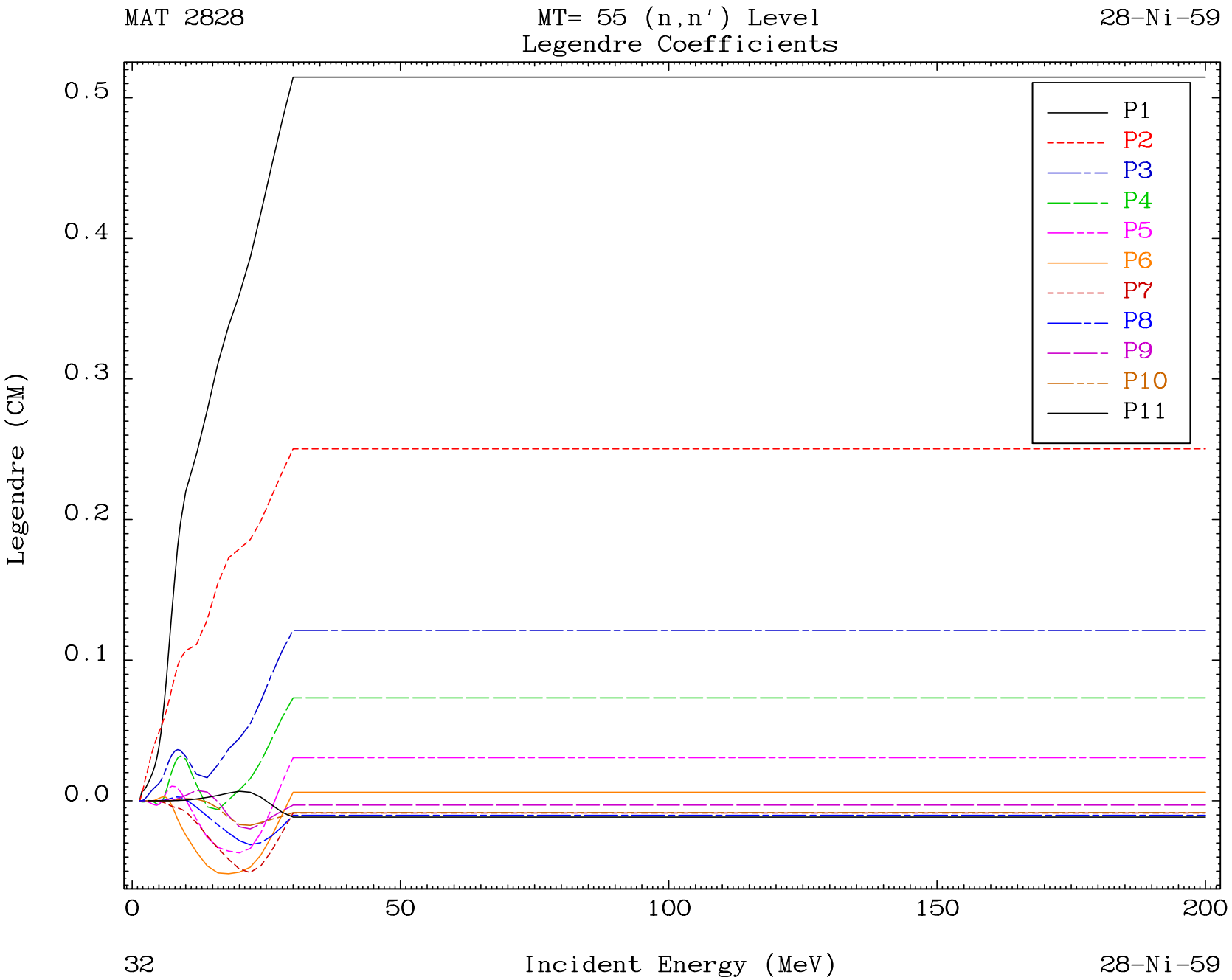

MAT 2828
MT= 53 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
8
6
4
2
0
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
27
Incident Energy (MeV)
28-Ni-59

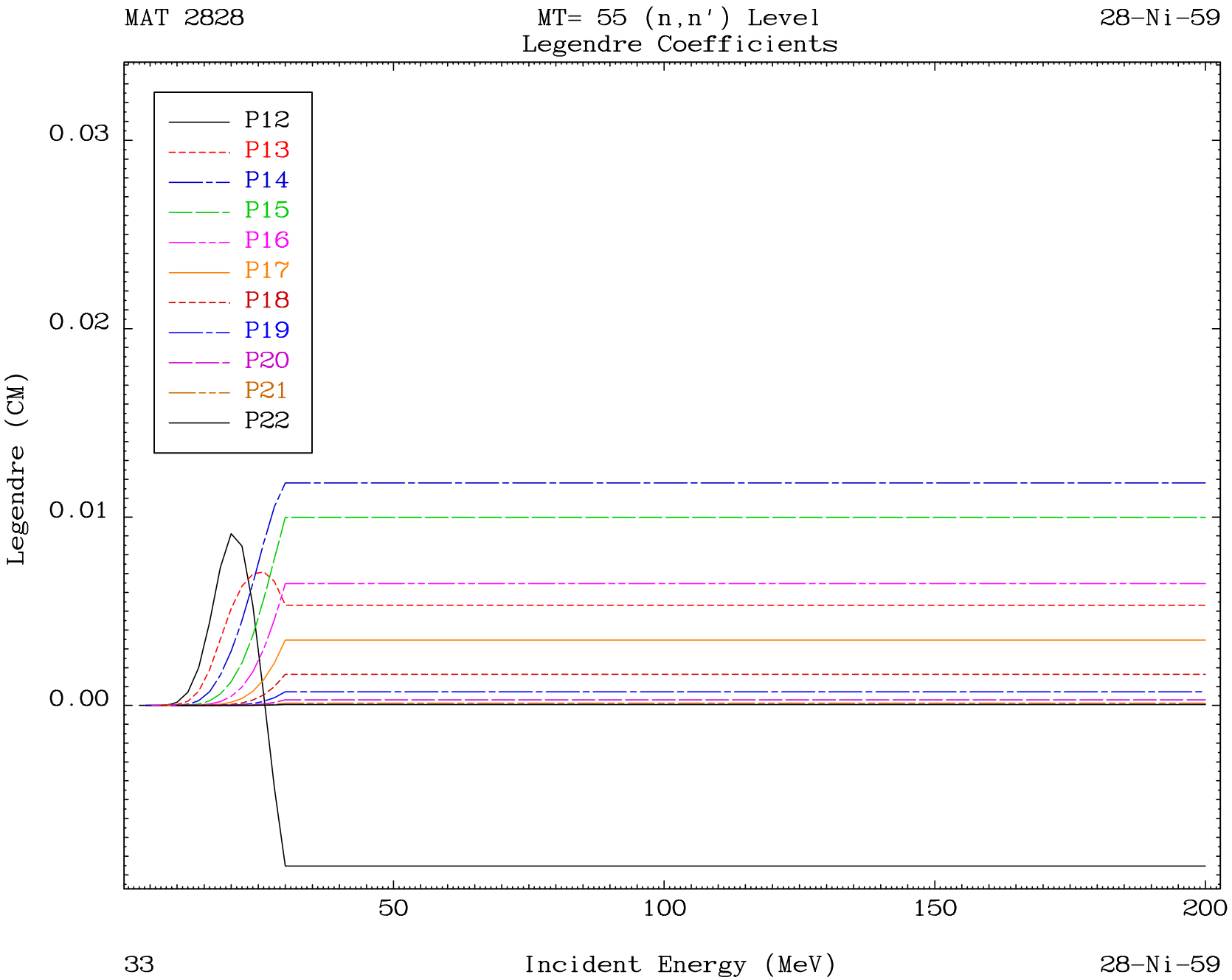

MAT 2828
MT= 53 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
28
Incident Energy (MeV)
28-Ni-59

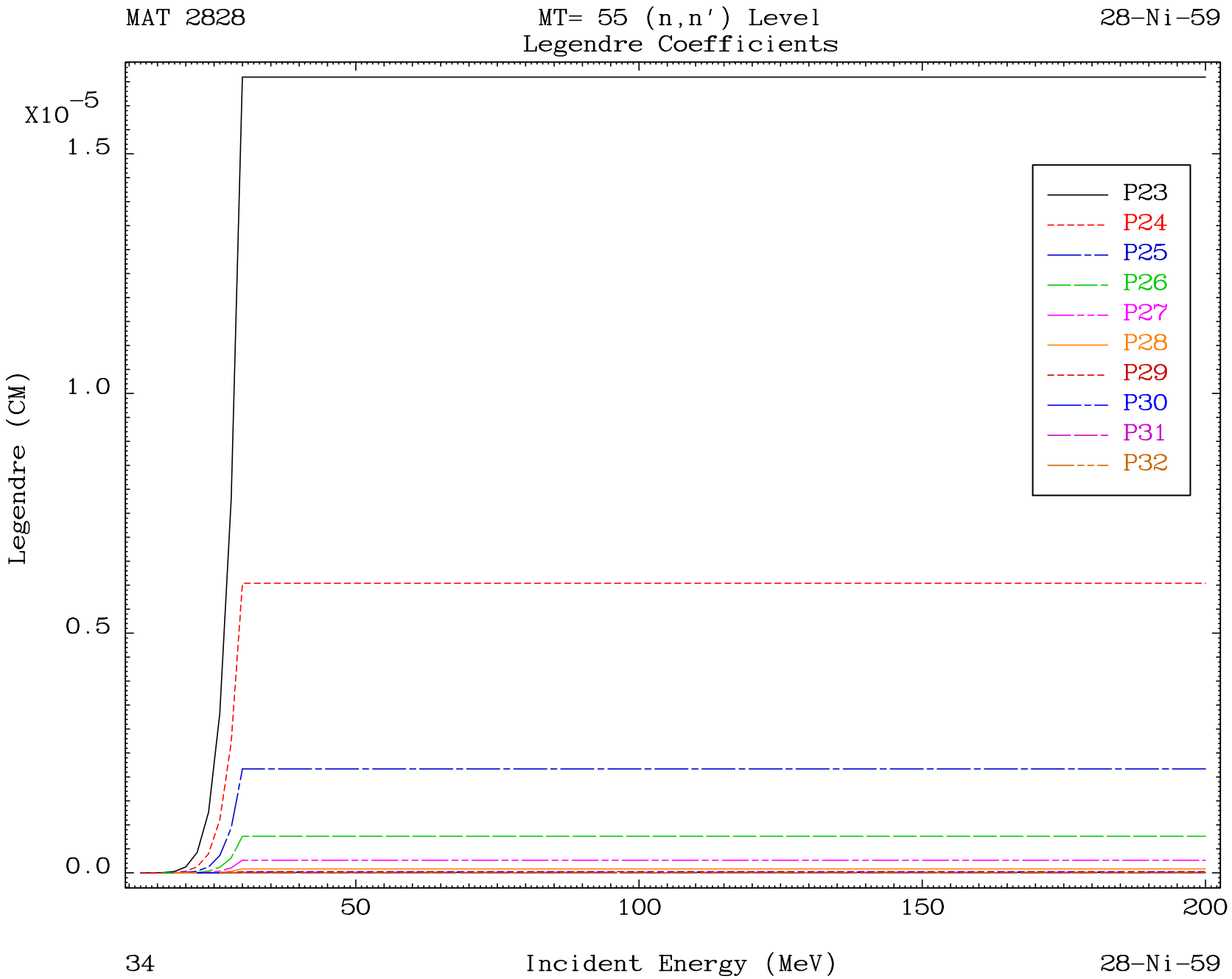

MAT 2828
MT= 54 (n,n') Level
Legendre Coefficients
28-Ni-59
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

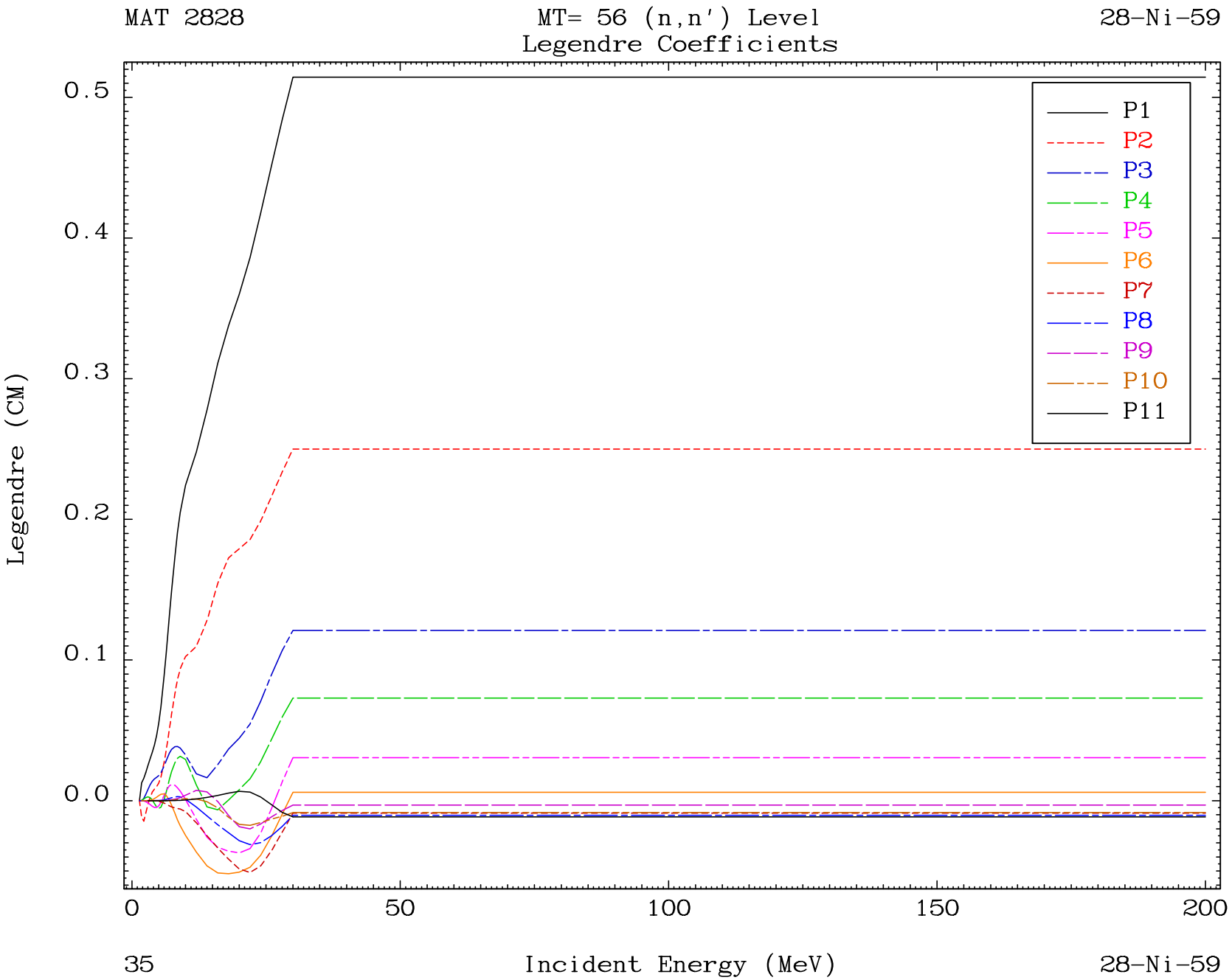

MAT 2828
MT= 54 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
30
Incident Energy (MeV)
28-Ni-59

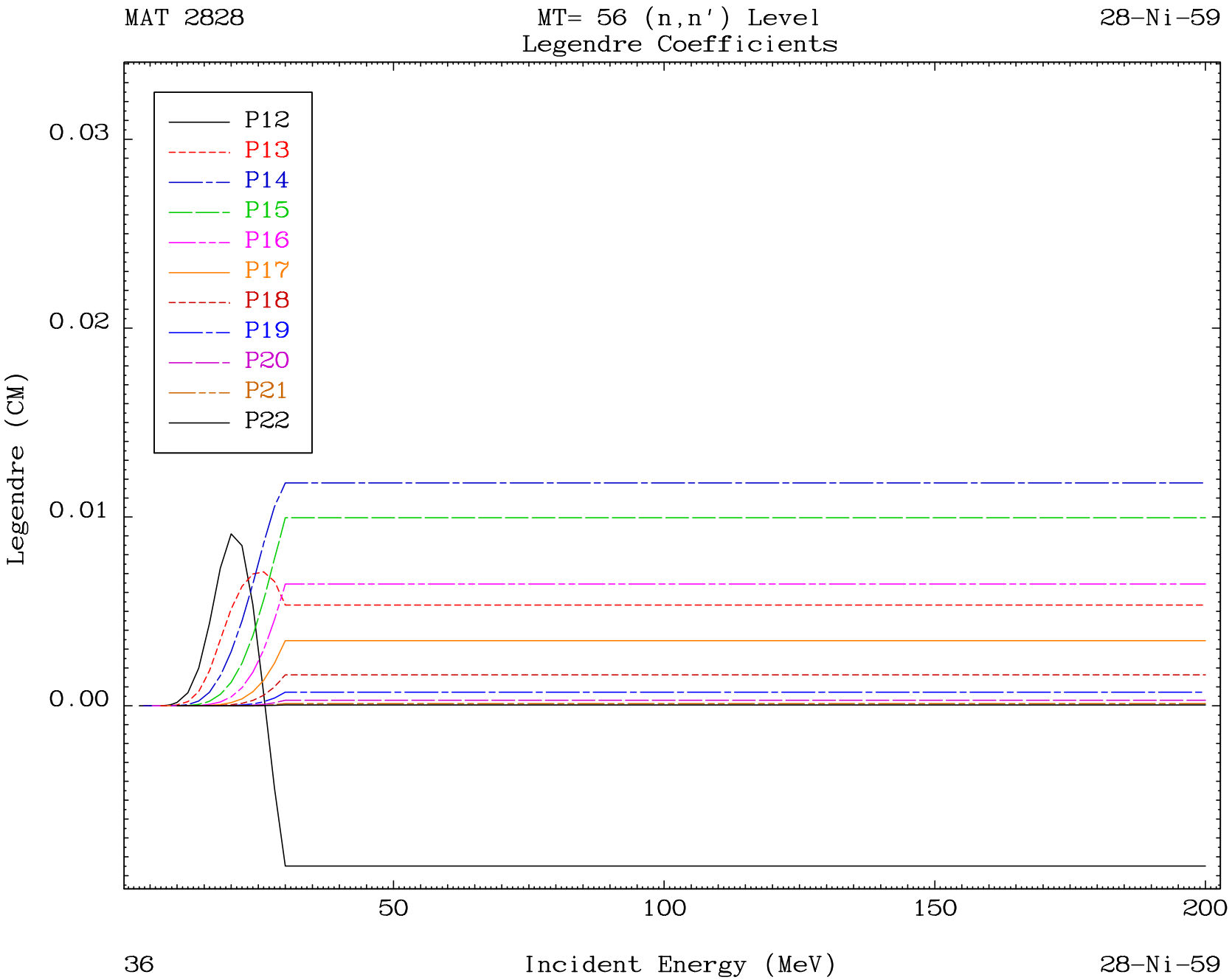

MAT 2828
MT= 54 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
31
Incident Energy (MeV)
28-Ni-59

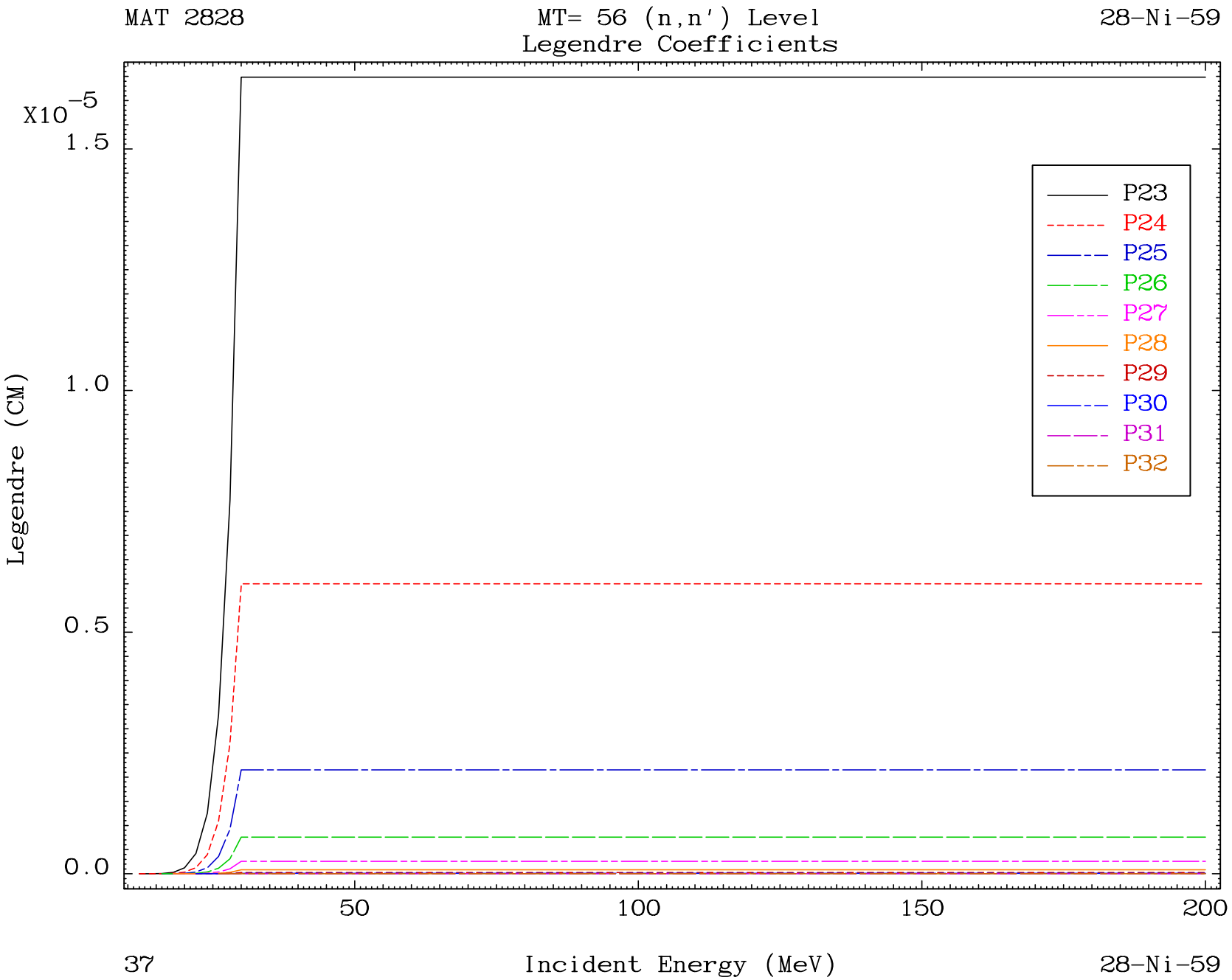

MAT 2828
MT= 55 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
32
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

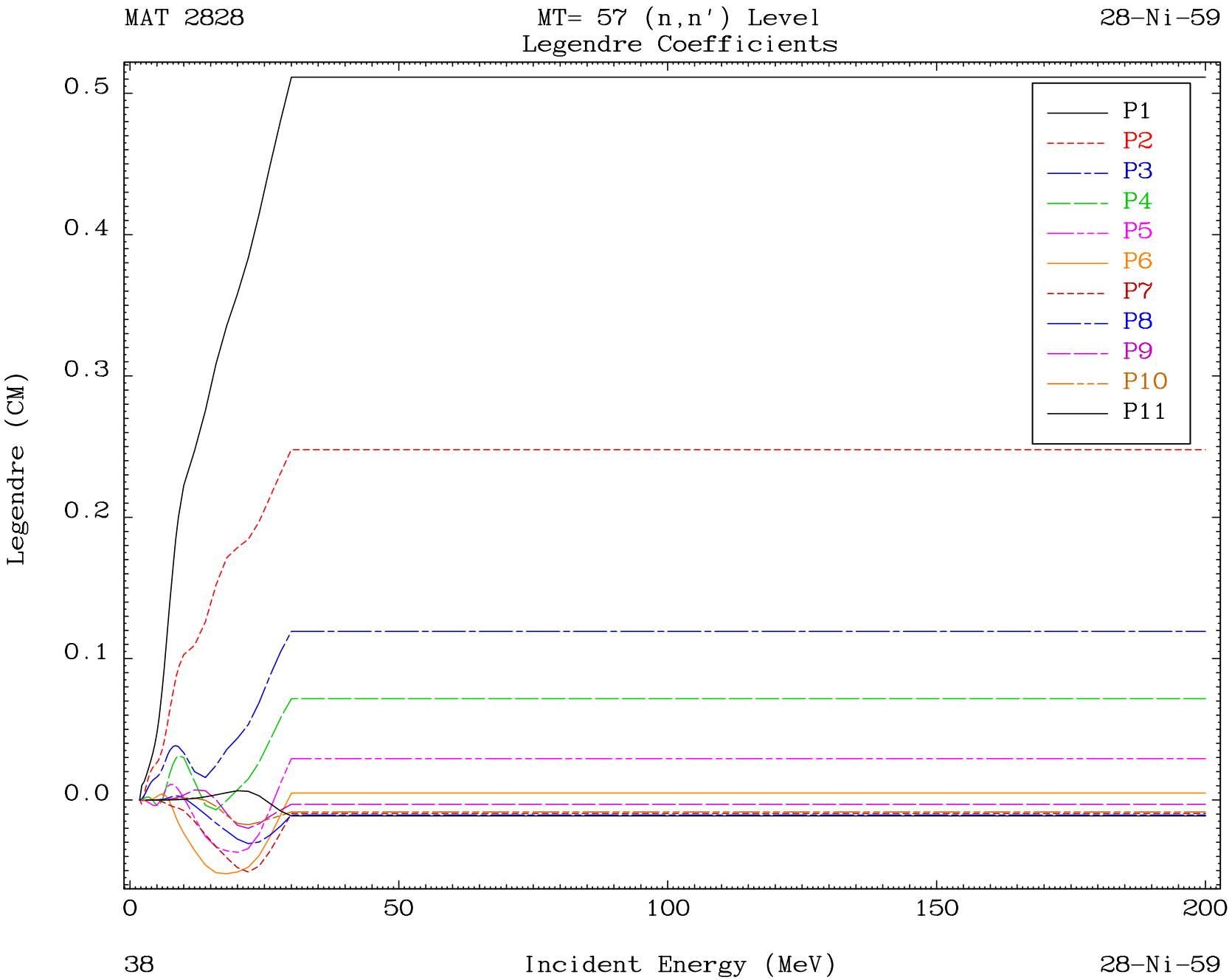

MAT 2828
MT= 55 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
28-Ni-59

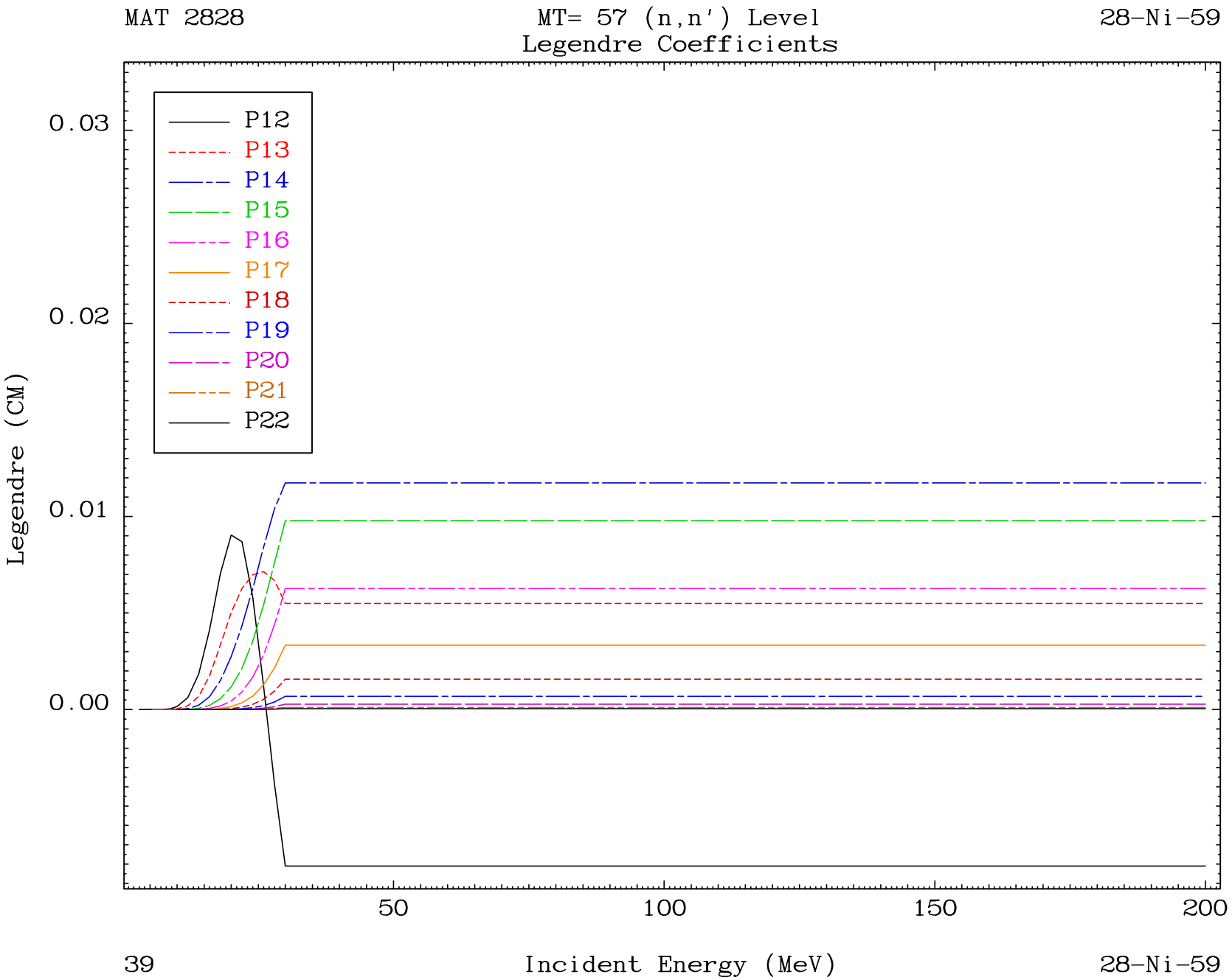

MAT 2828
MT= 55 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
34
Incident Energy (MeV)
28-Ni-59

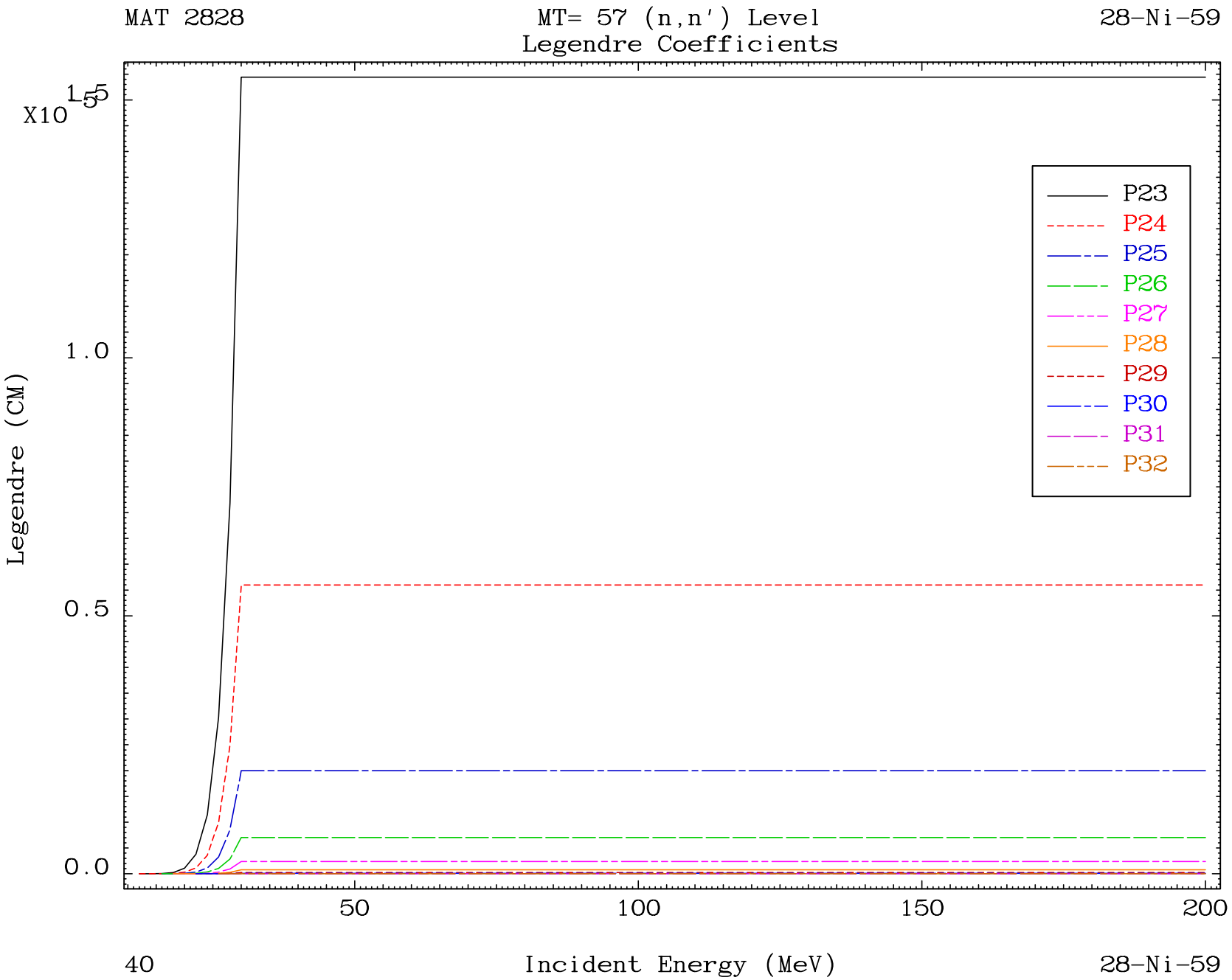

MAT 2828
MT= 56 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
35
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

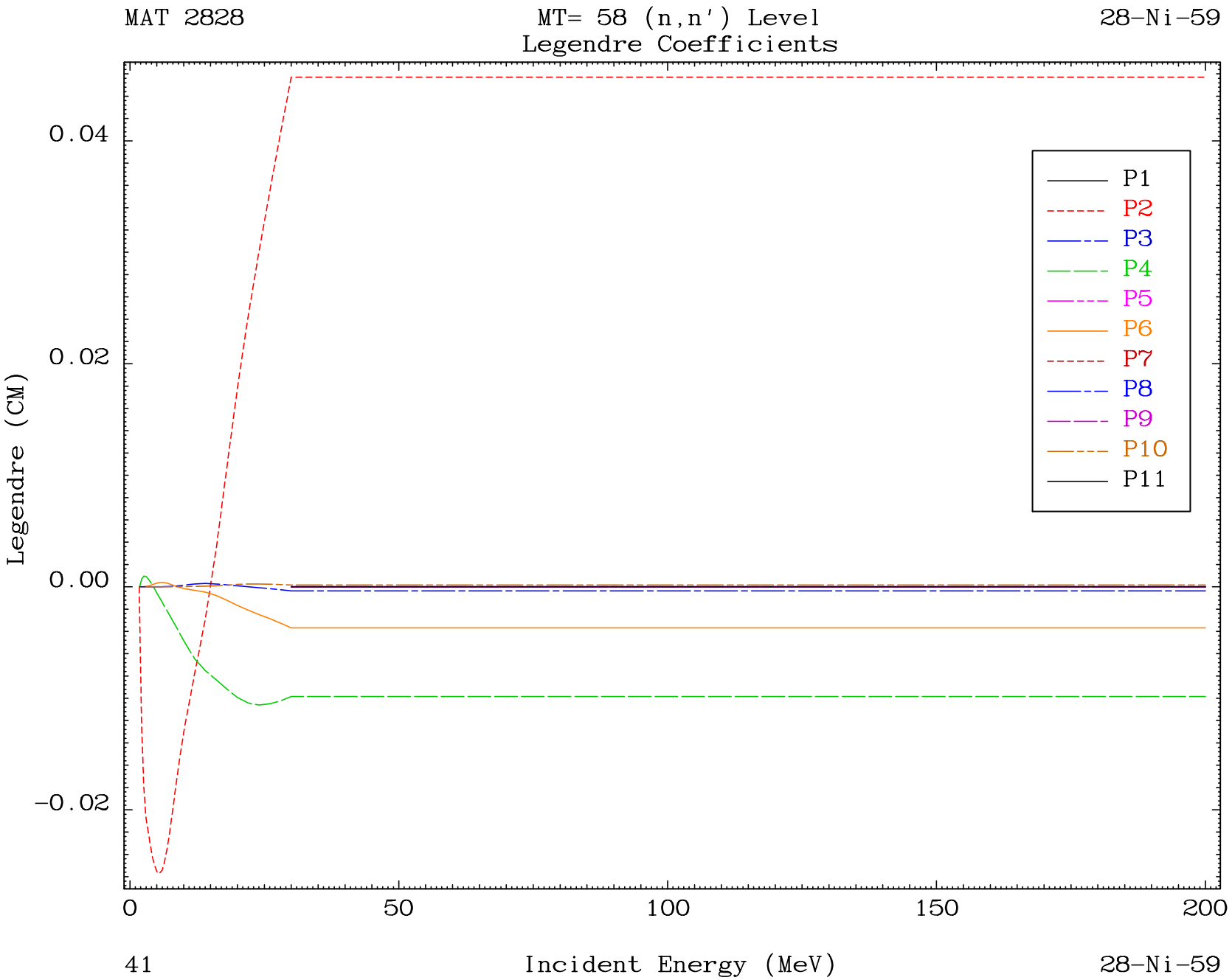

MAT 2828
MT= 56 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
36
Incident Energy (MeV)
28-Ni-59

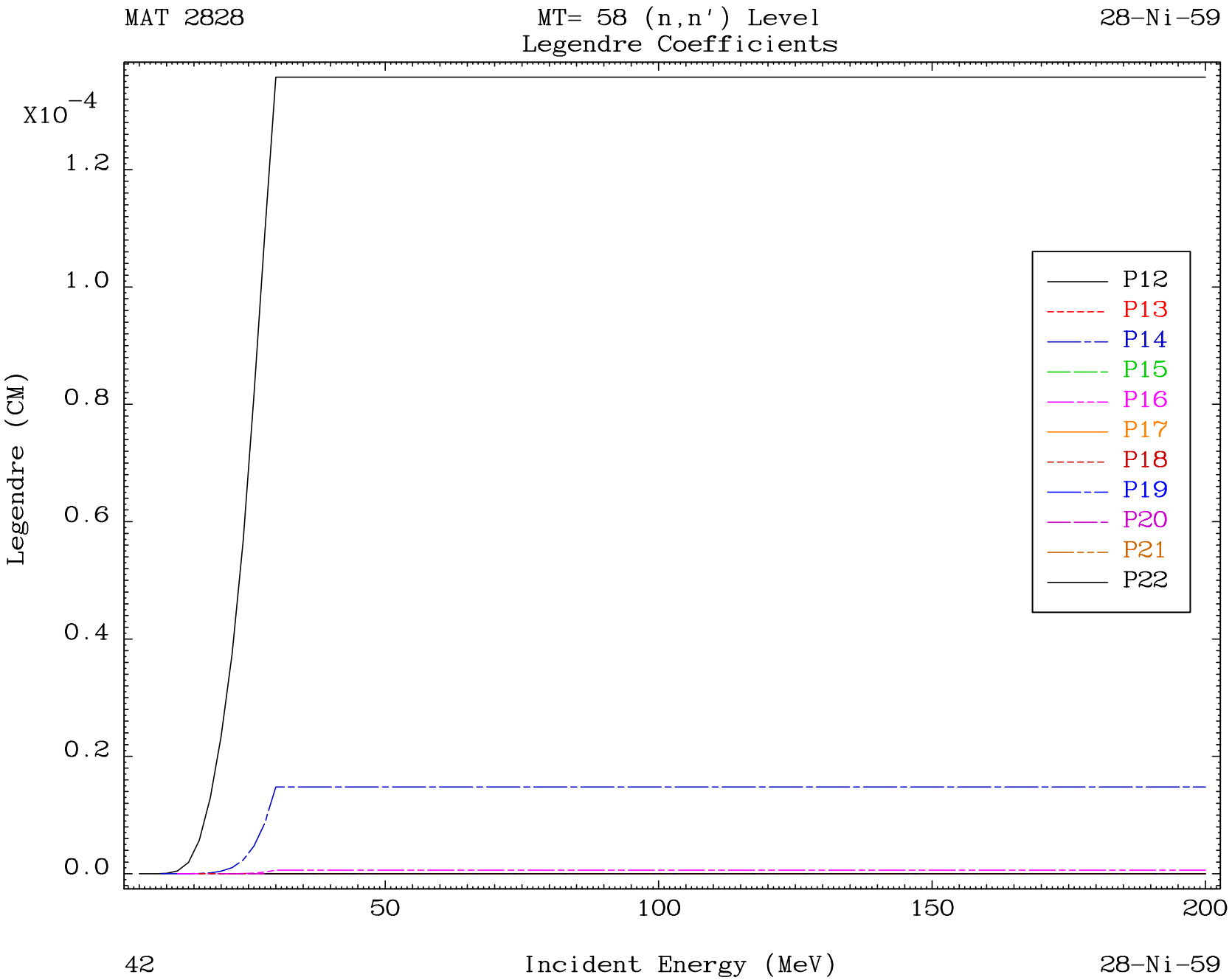

MAT 2828
MT= 56 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
37
Incident Energy (MeV)
28-Ni-59

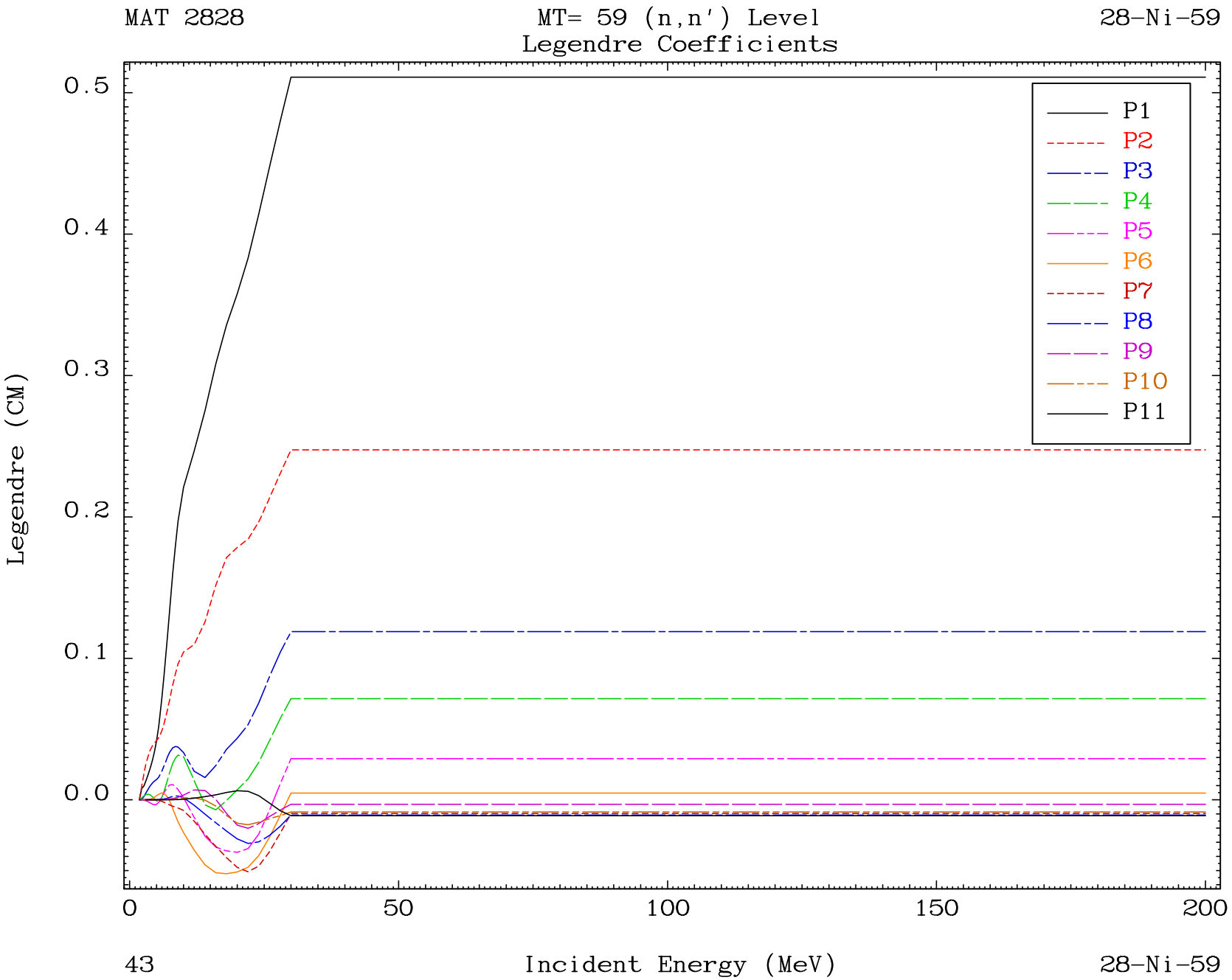

MAT 2828
MT= 57 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
38
Incident Energy (MeV)
28-Ni-59

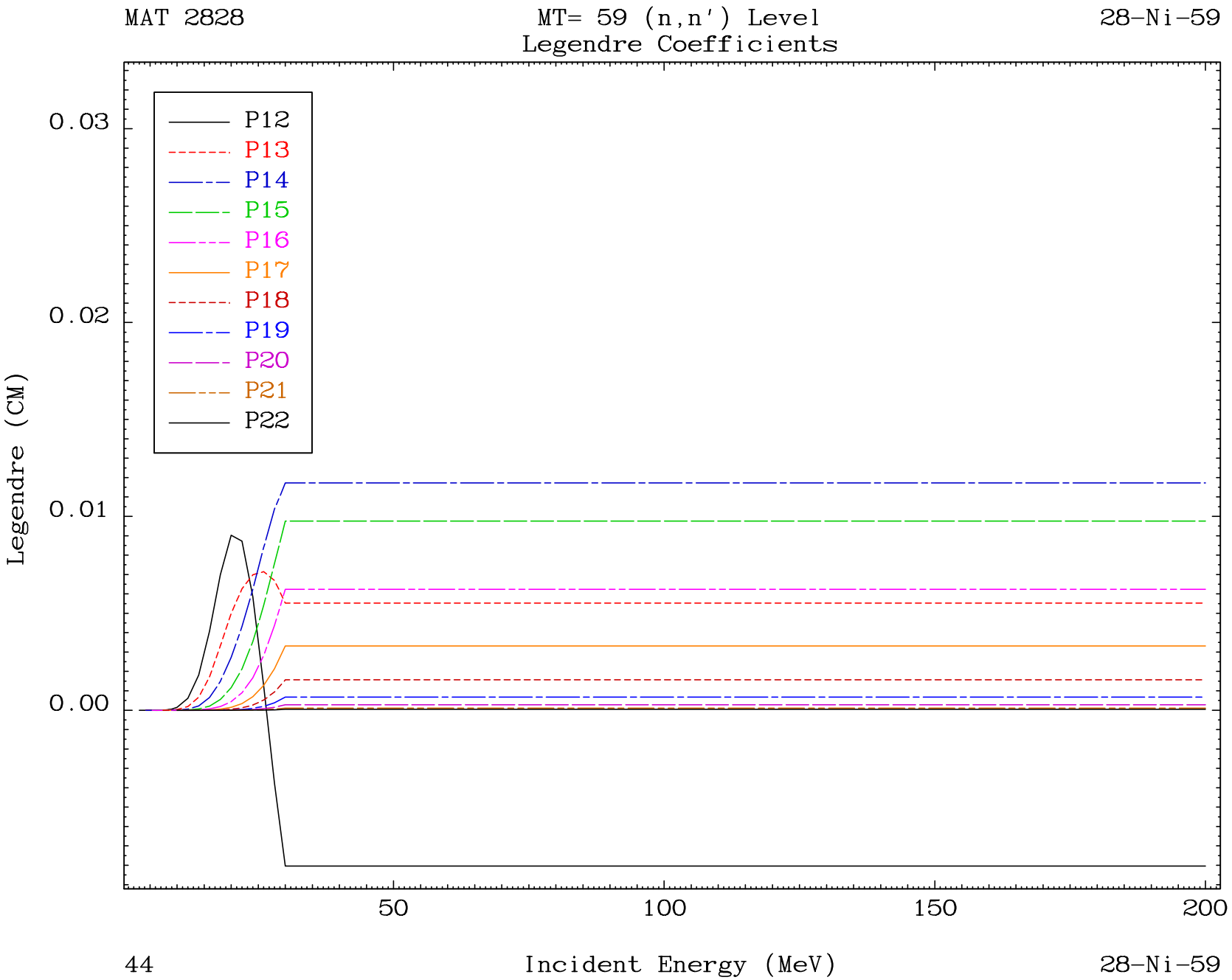

MAT 2828
MT= 57 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
28-Ni-59

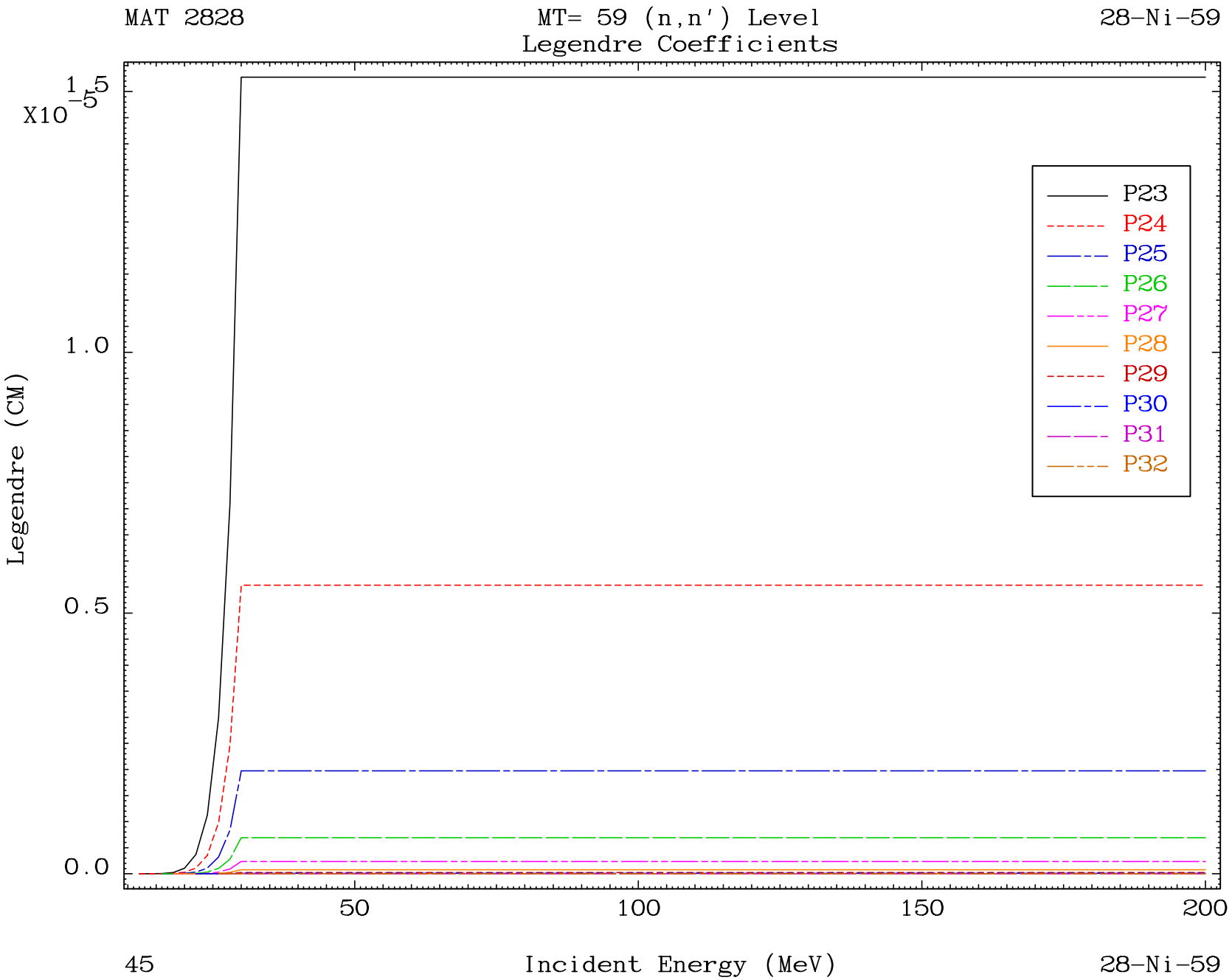

MAT 2828
MT= 57 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
40
50
100
150
200
Incident Energy (MeV)
28-Ni-59

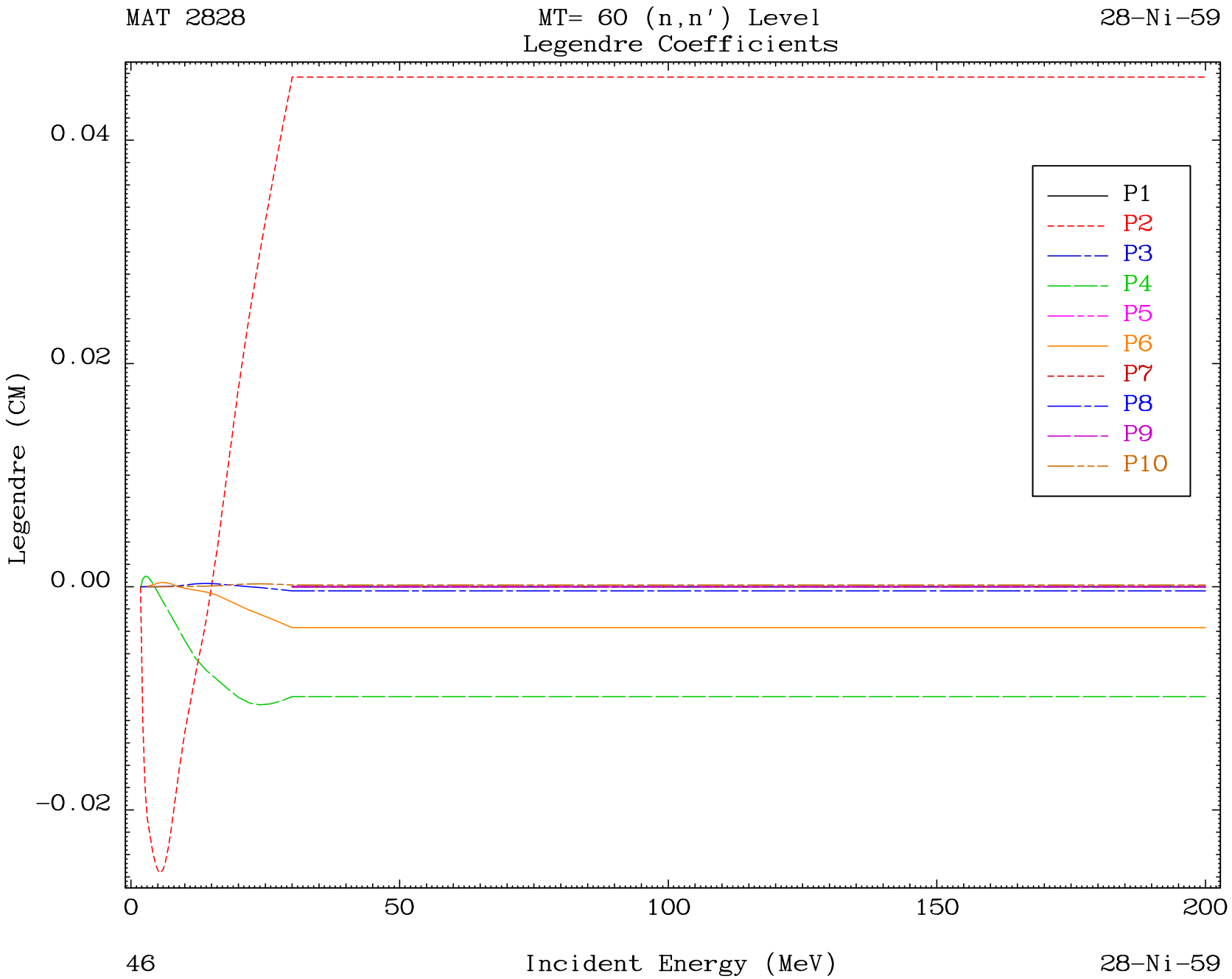

MAT 2828
MT= 58 (n,n') Level
Legendre Coefficients
28-Ni-59
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
41
Incident Energy (MeV)
28-Ni-59

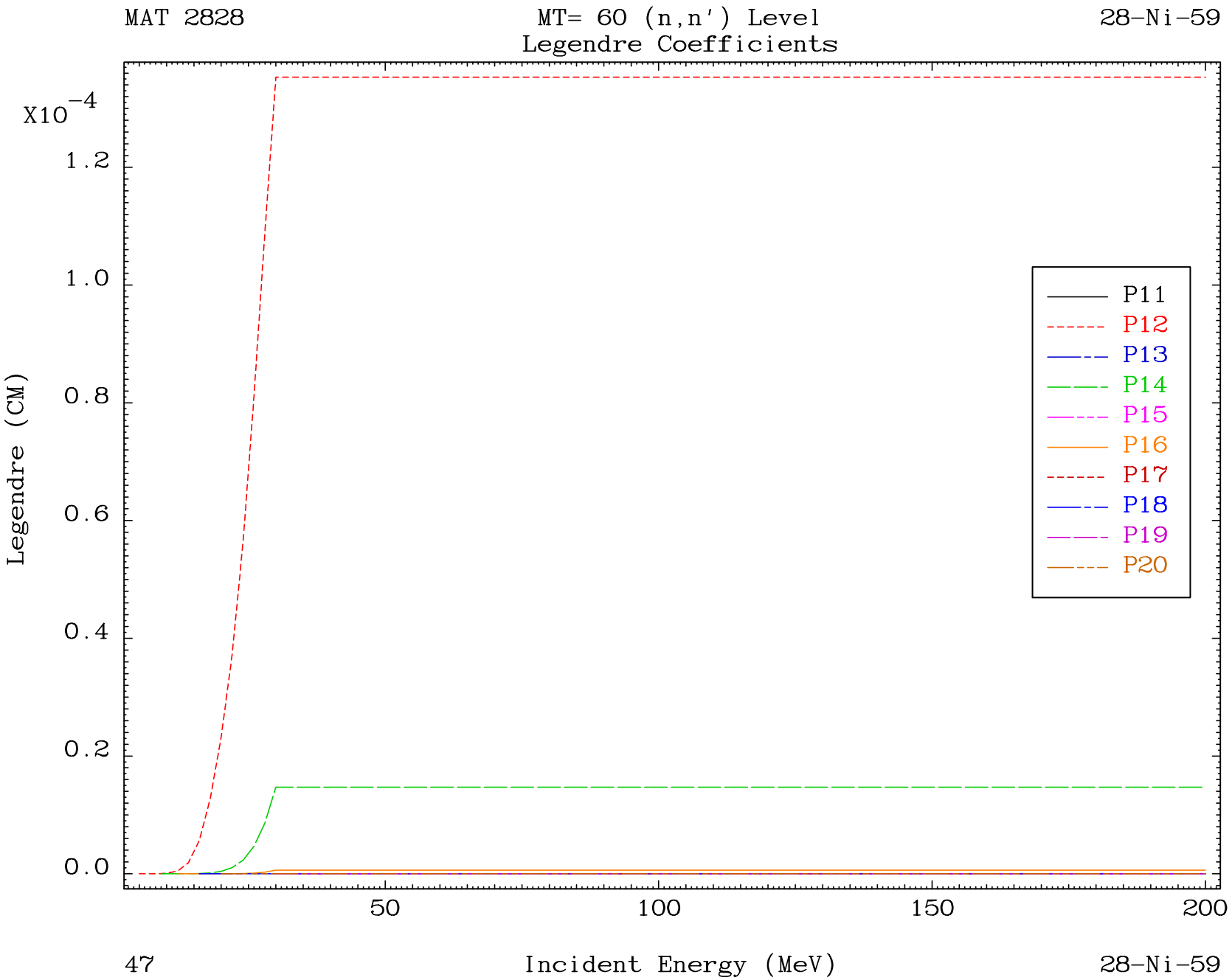

MAT 2828
MT= 58 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

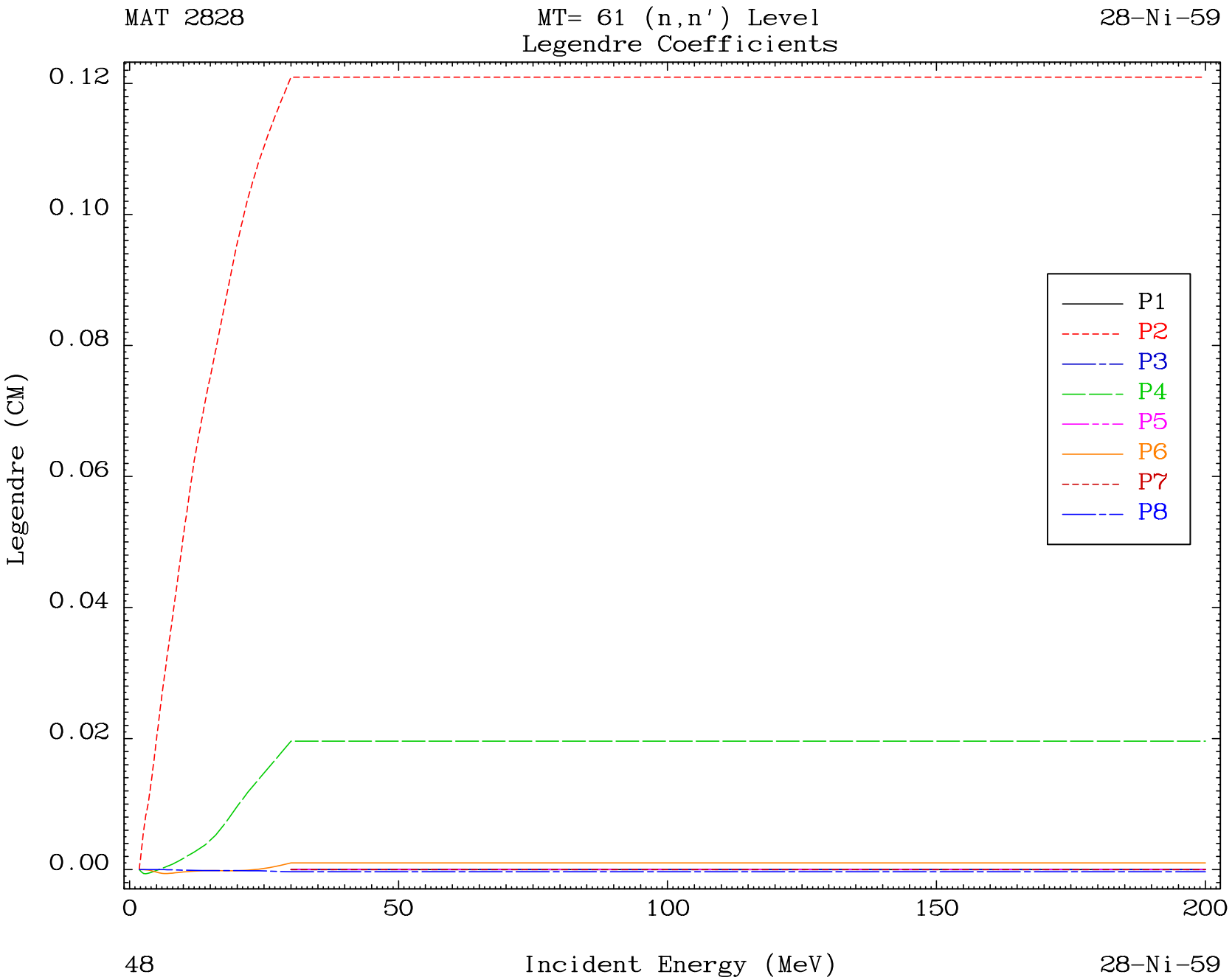

MAT 2828
MT= 59 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
43
Incident Energy (MeV)
28-Ni-59

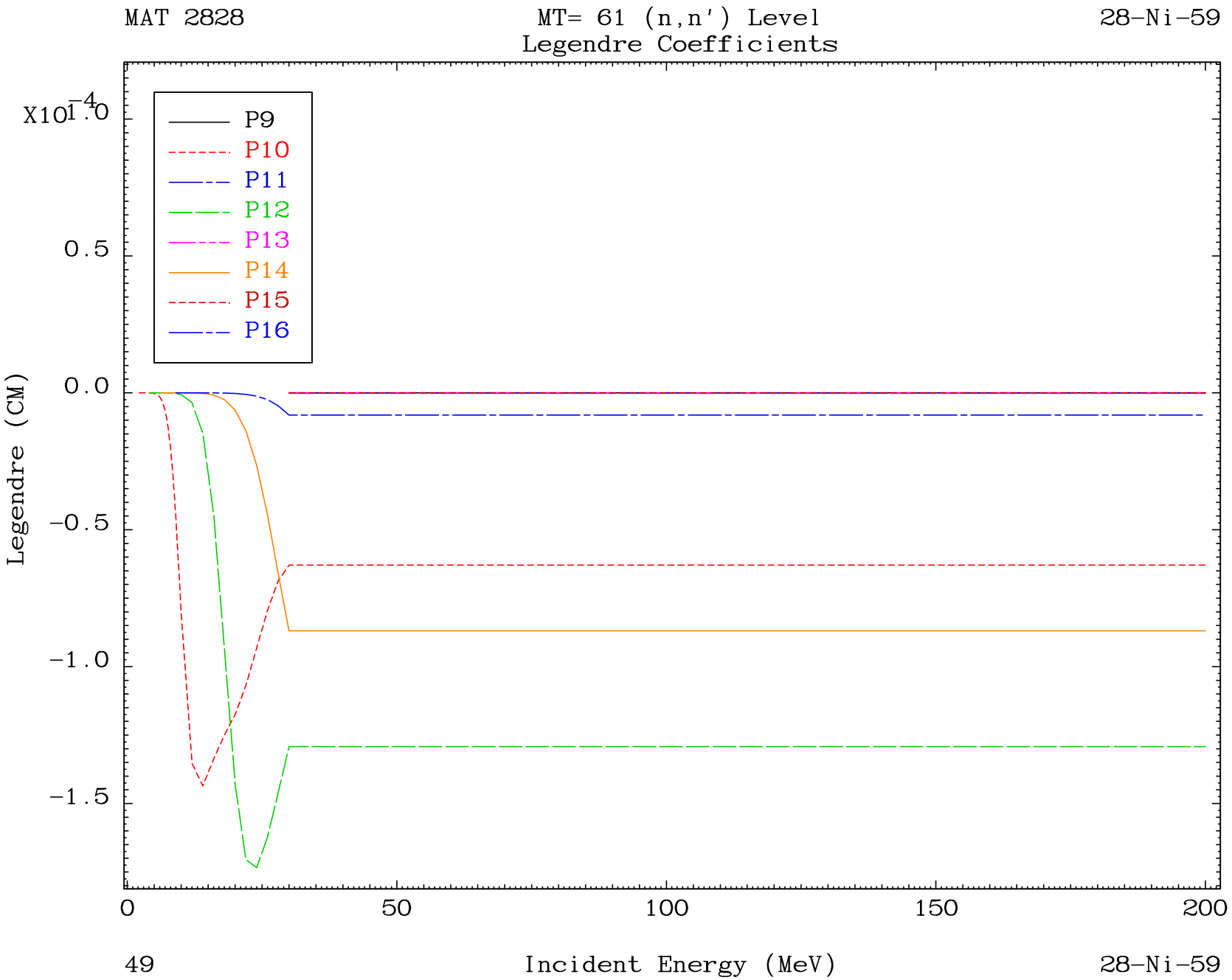

MAT 2828
MT= 59 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
28-Ni-59

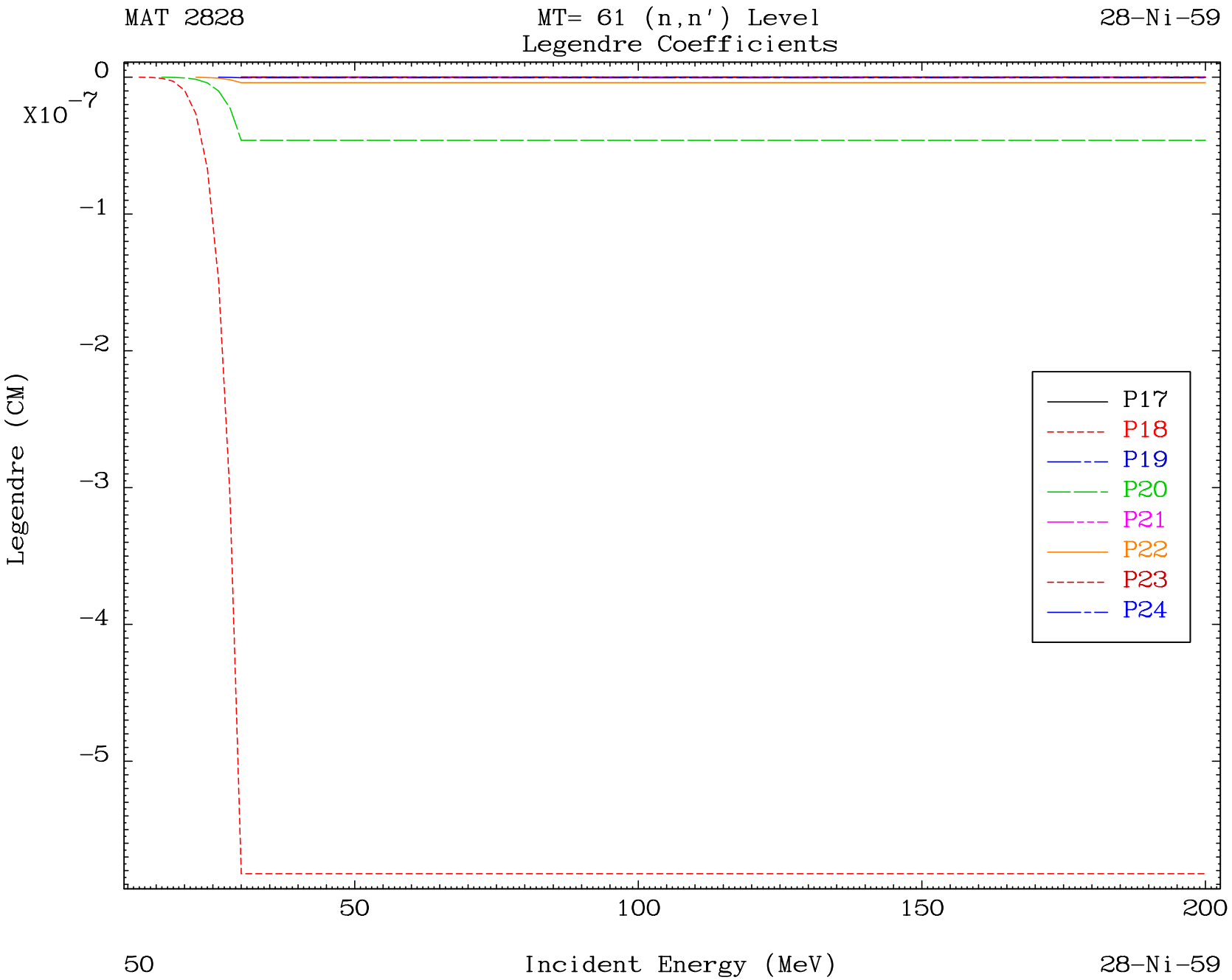

MAT 2828
MT= 59 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
45
50
100
150
200
Incident Energy (MeV)
28-Ni-59

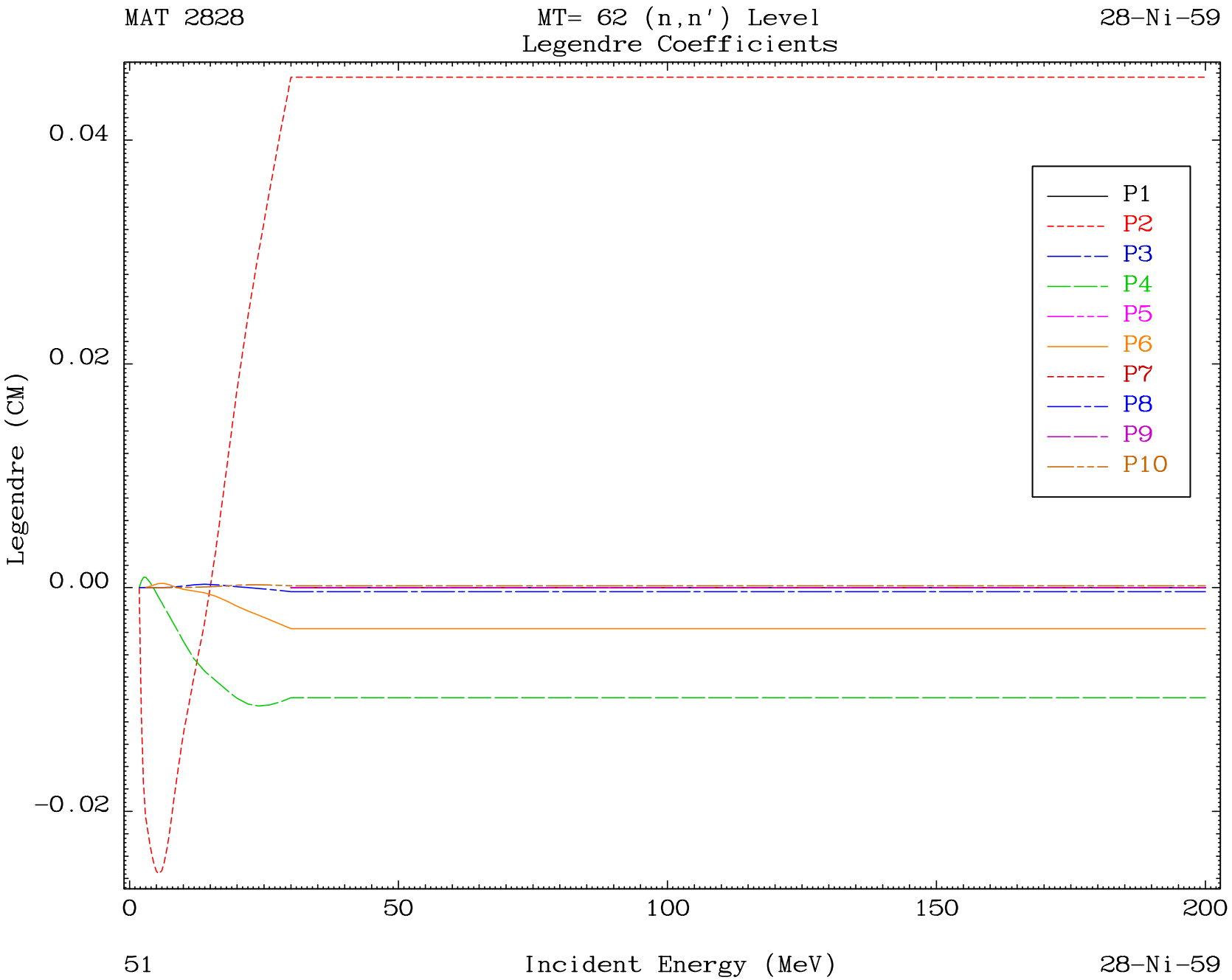

MAT 2828
MT= 60 (n,n') Level
Legendre Coefficients
28-Ni-59
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
46
Incident Energy (MeV)
28-Ni-59

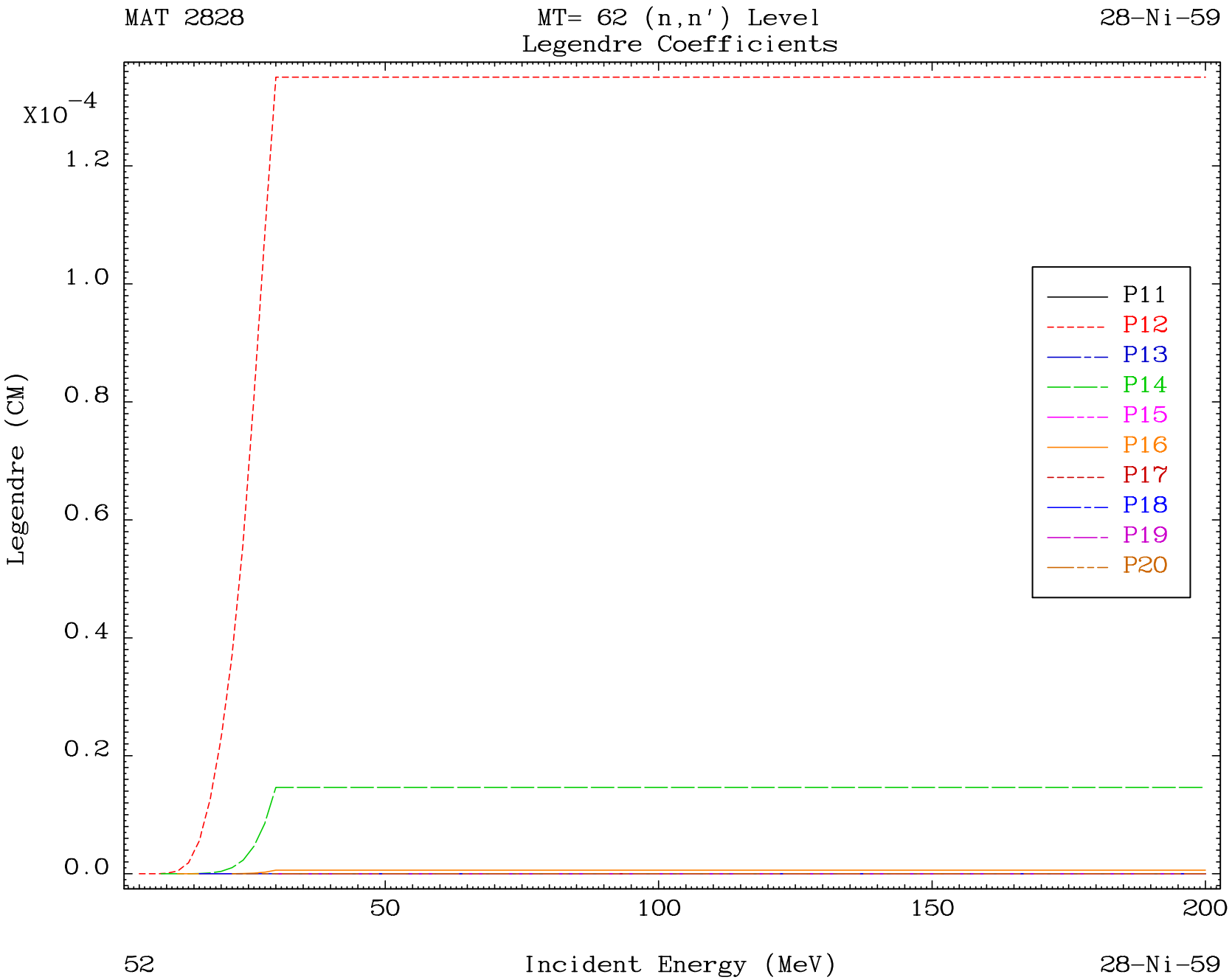

MAT 2828
MT= 60 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
28-Ni-59
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

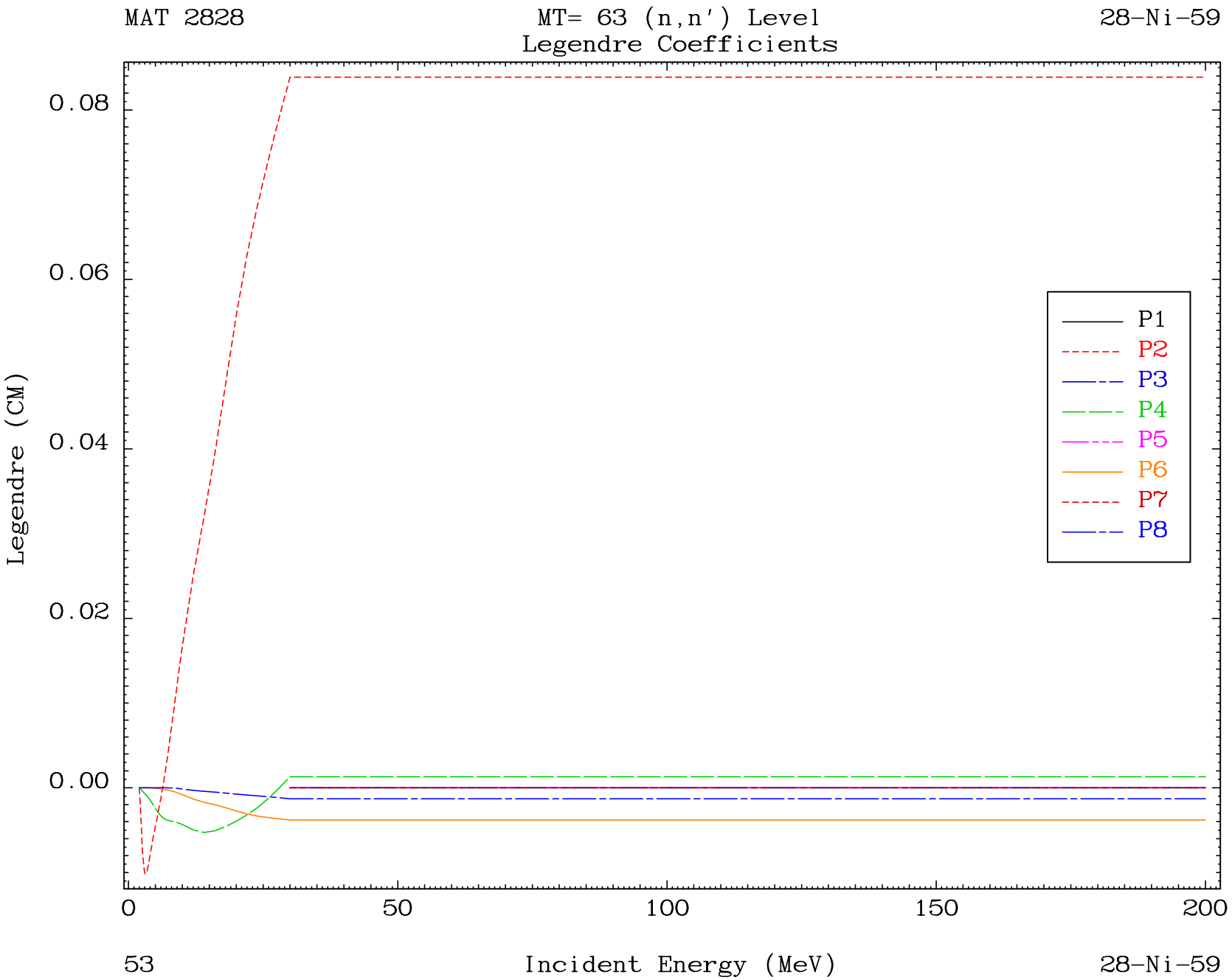

MAT 2828
MT= 61 (n,n') Level
Legendre Coefficients
28-Ni-59
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

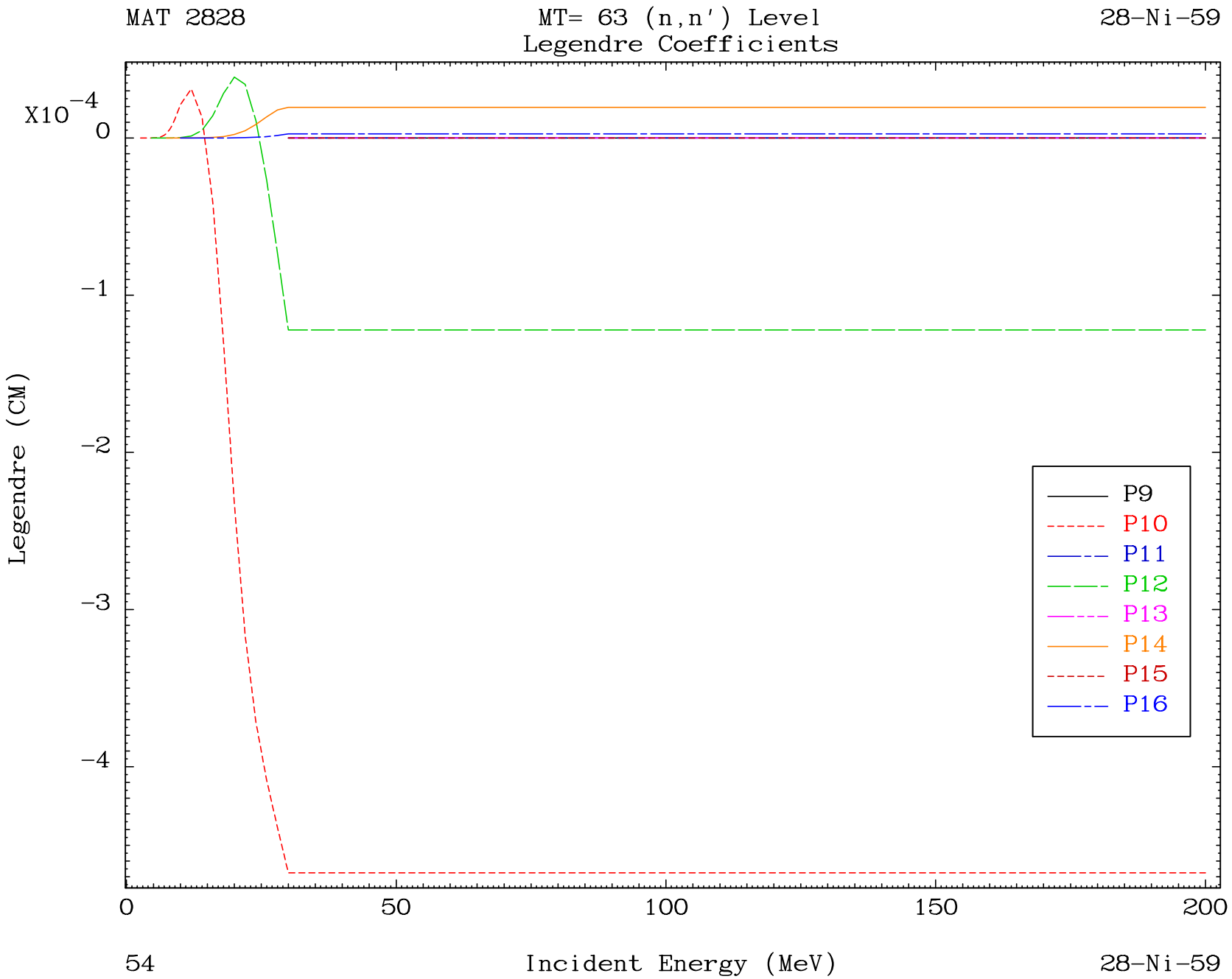

MAT 2828
MT= 61 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
49
Incident Energy (MeV)
28-Ni-59

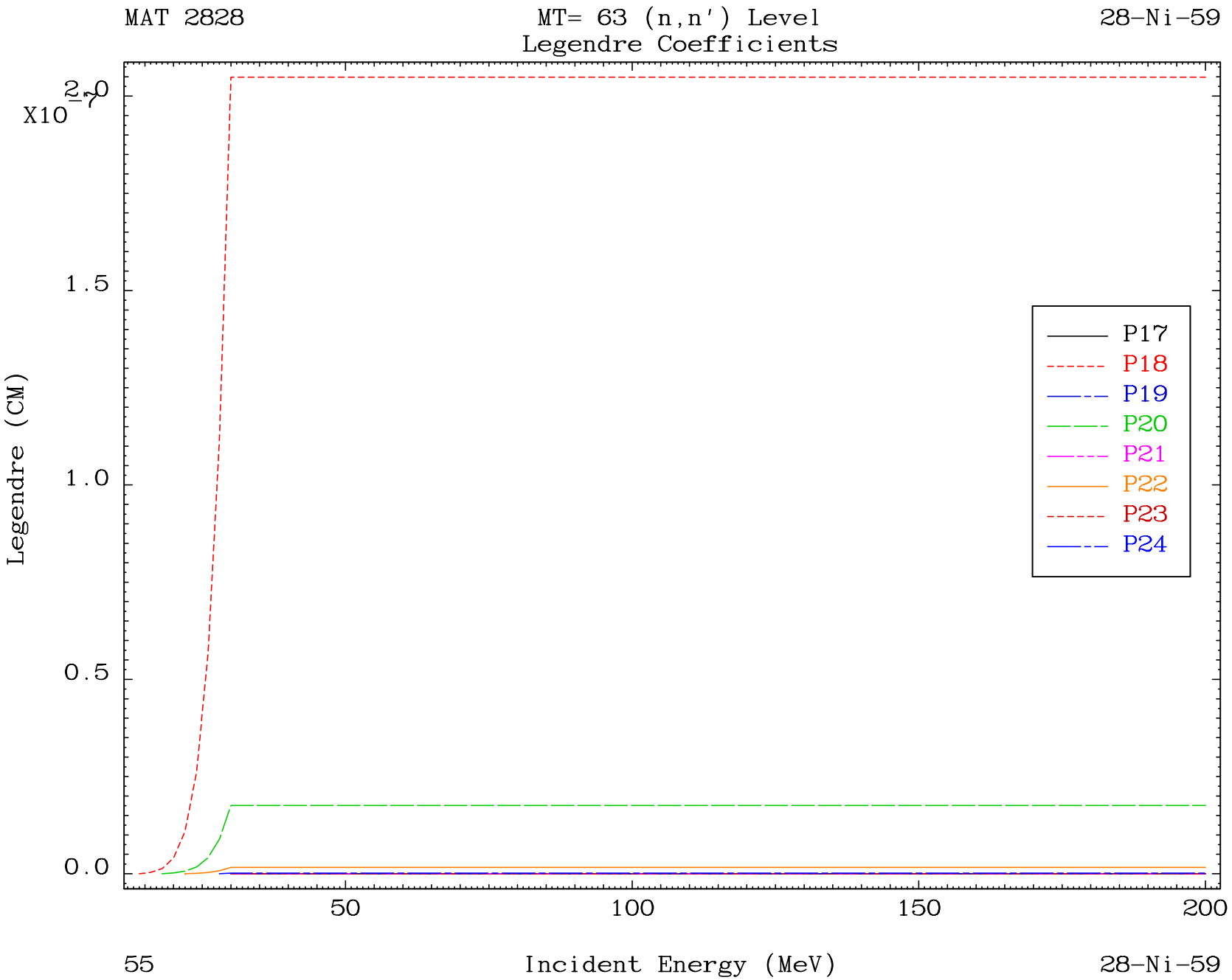

MAT 2828
MT= 61 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10-7
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
50
Incident Energy (MeV)
28-Ni-59

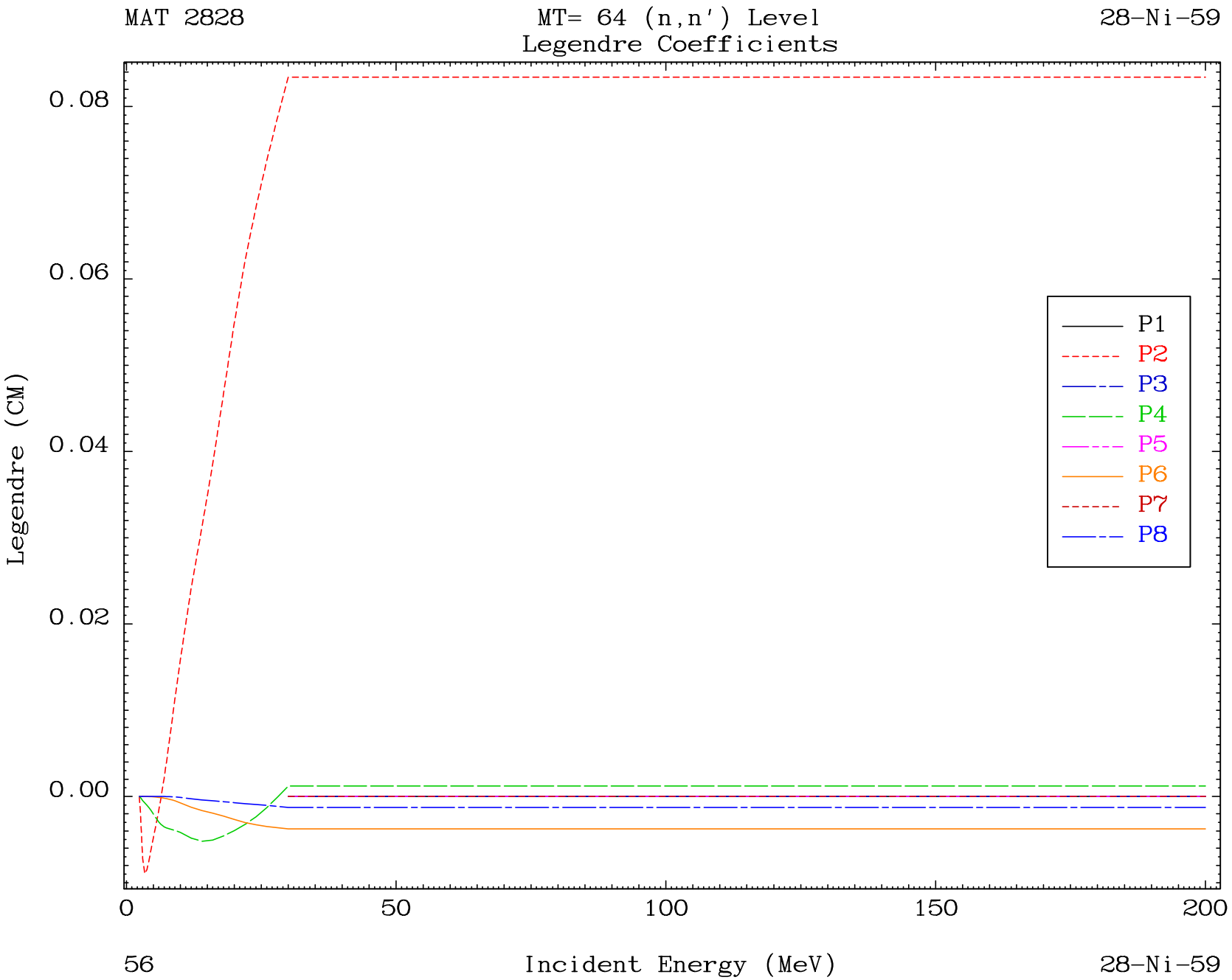

MAT 2828
MT= 62 (n,n') Level
Legendre Coefficients
28-Ni-59
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
51
Incident Energy (MeV)
28-Ni-59

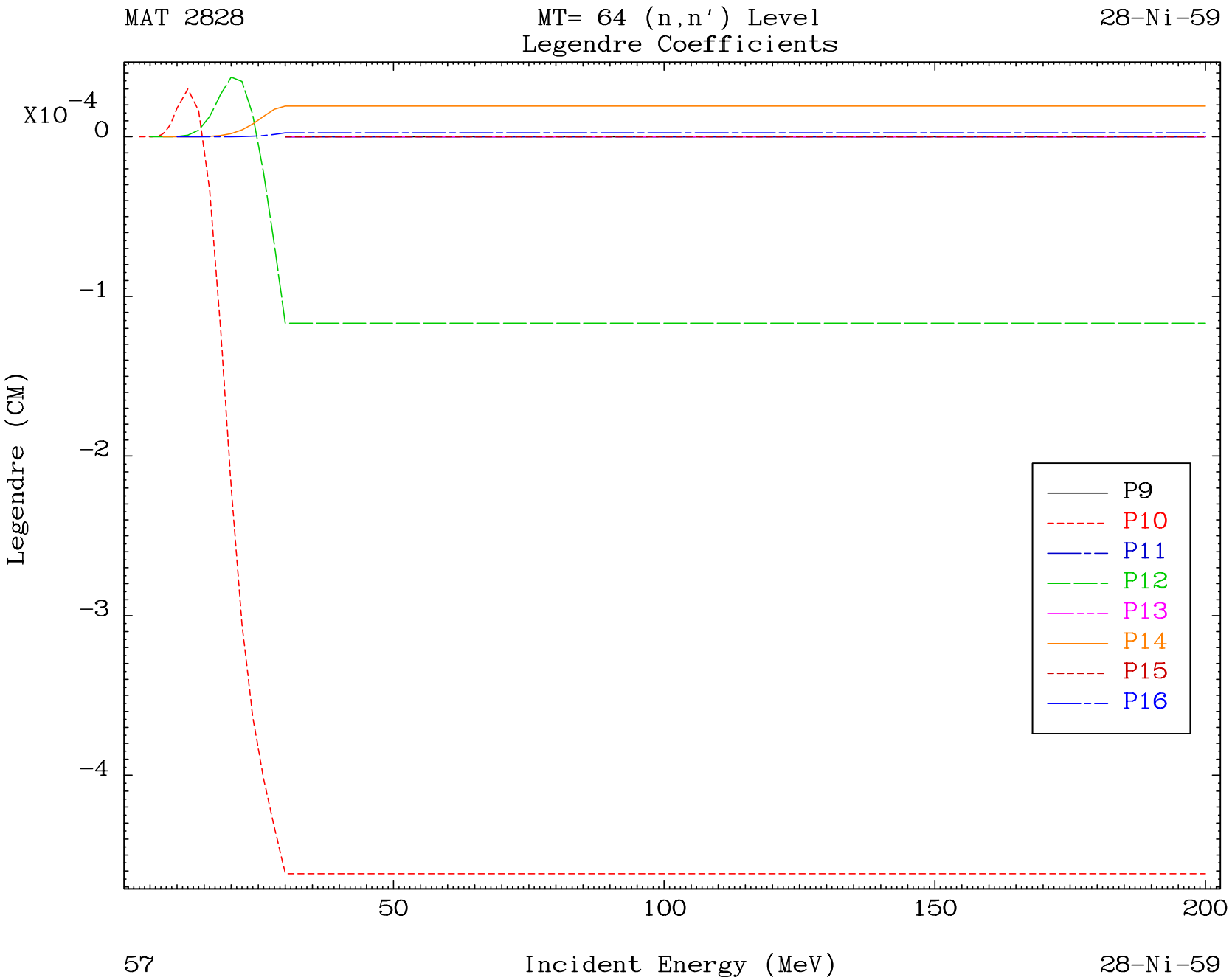

MAT 2828
MT= 62 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
28-Ni-59
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

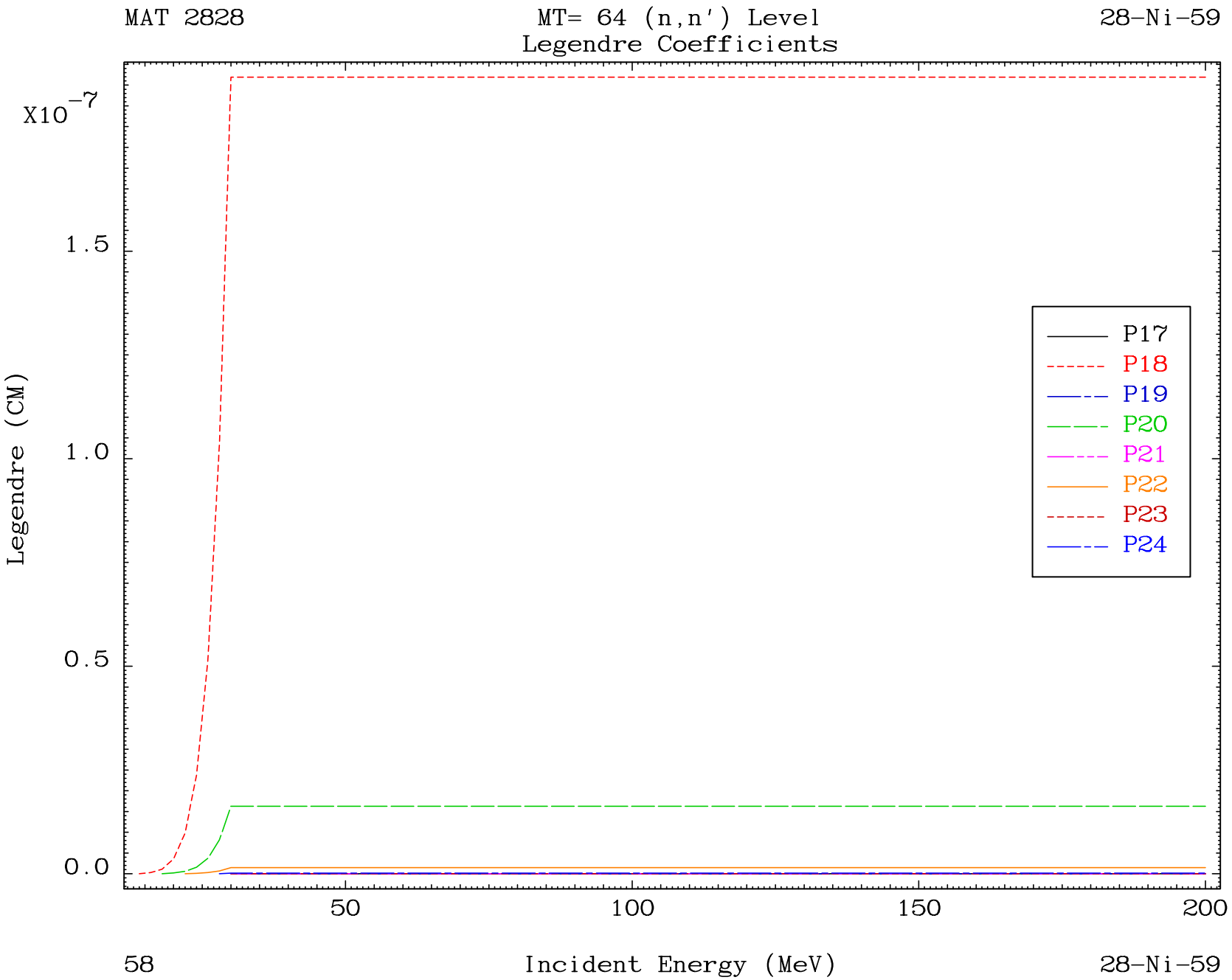

MAT 2828
MT= 63 (n,n') Level
Legendre Coefficients
28-Ni-59
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
53
Incident Energy (MeV)
28-Ni-59

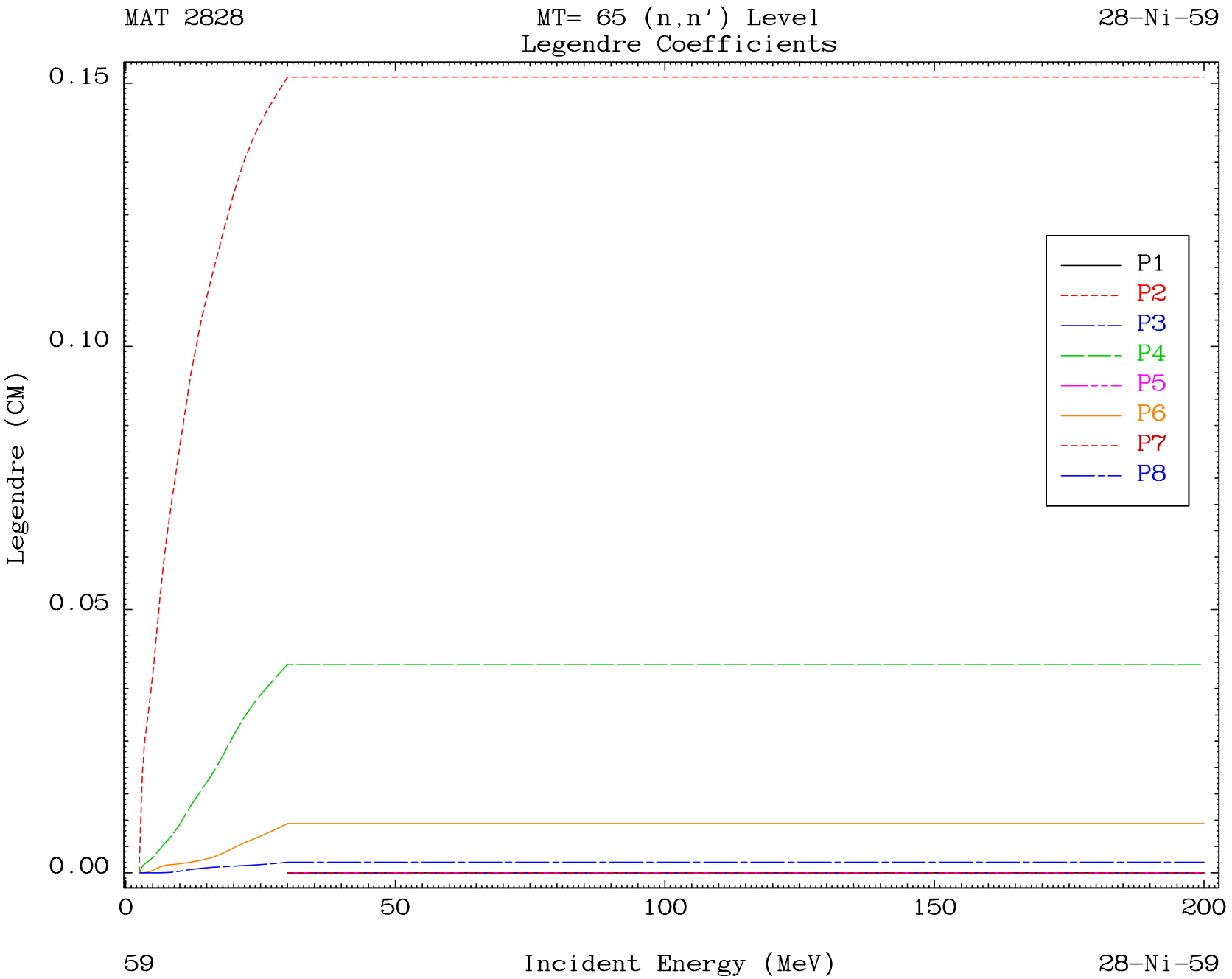

MAT 2828
MT= 63 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
0
-1
-2
-3
-4
Legendre (CM)
0
50
100
150
200
54
Incident Energy (MeV)
28-Ni-59
P9
P10
P11
P12
P13
P14
P15
P16

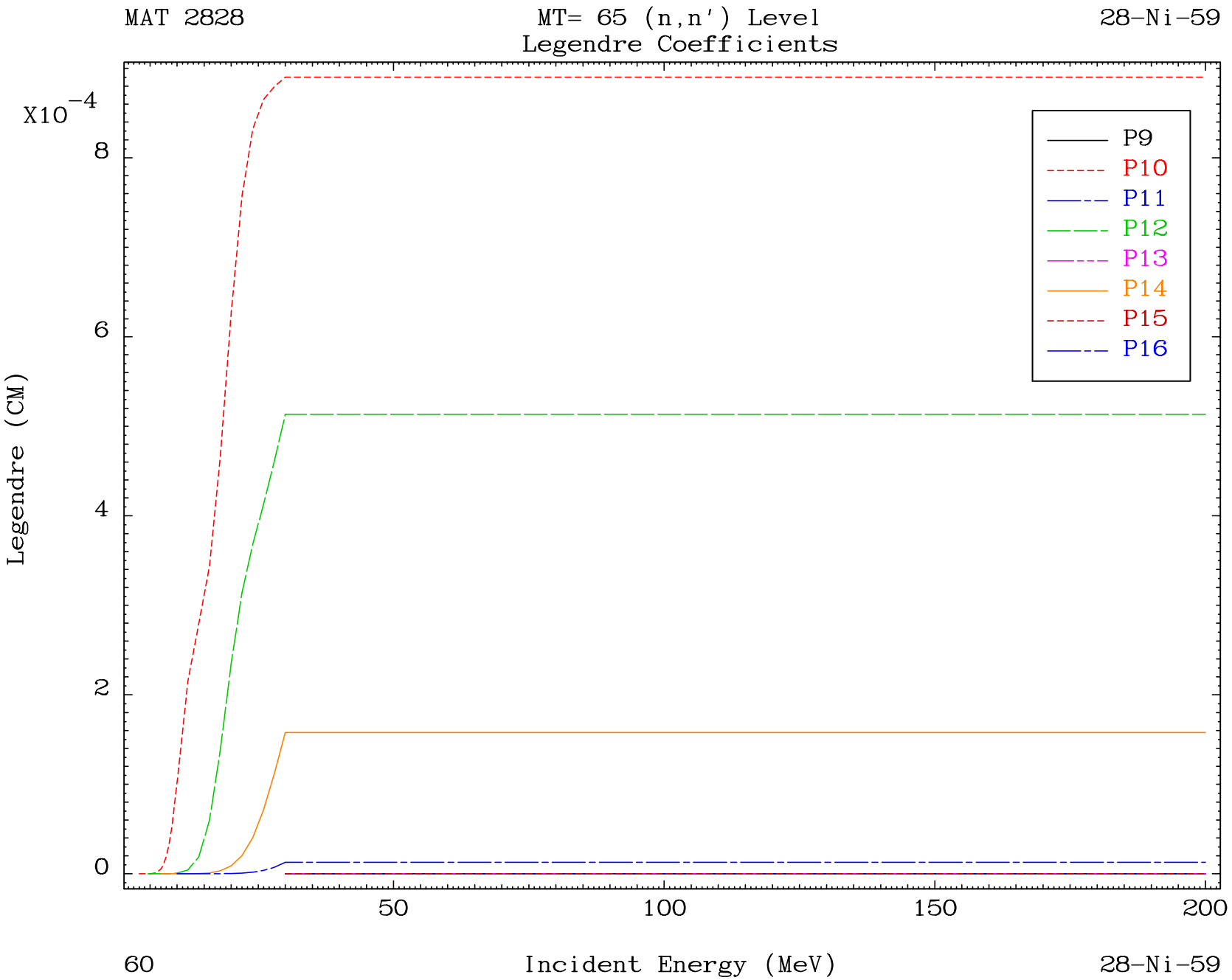

MAT 2828
MT= 63 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-1
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
55
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

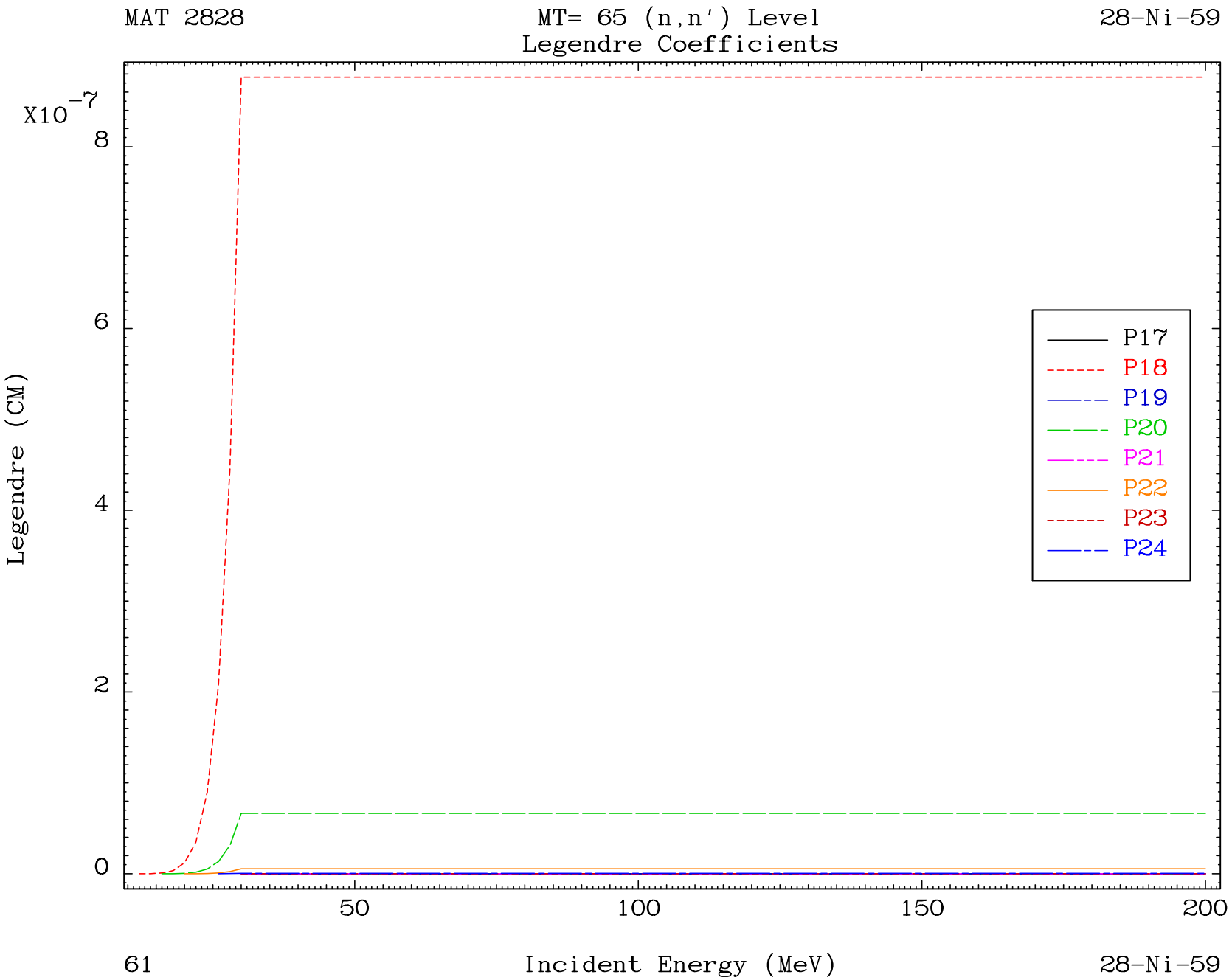

MAT 2828
MT= 64 (n,n') Level
Legendre Coefficients
28-Ni-59
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
56
Incident Energy (MeV)
28-Ni-59

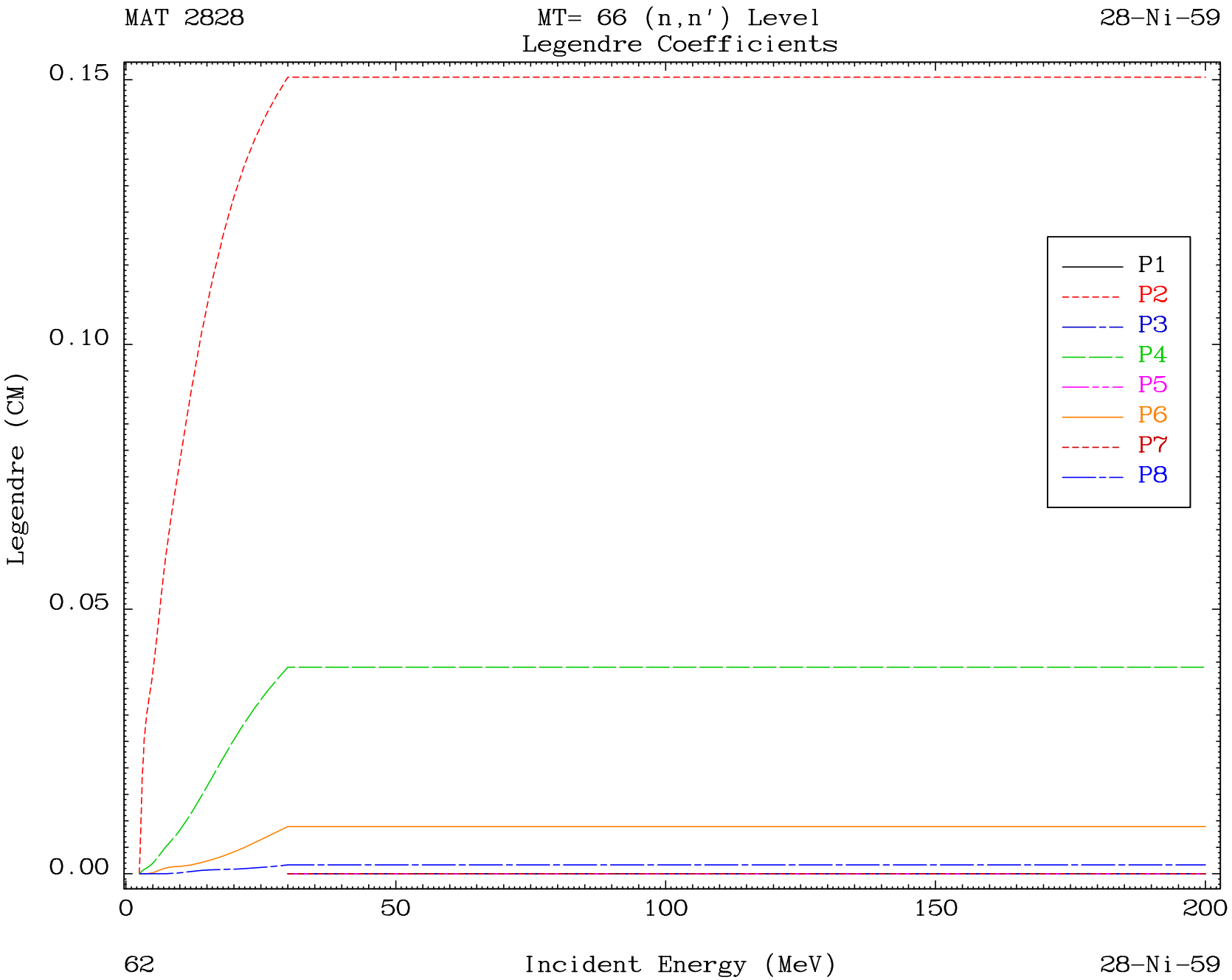

MAT 2828
MT= 64 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
0
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
28-Ni-59
P9
P10
P11
P12
P13
P14
P15
P16

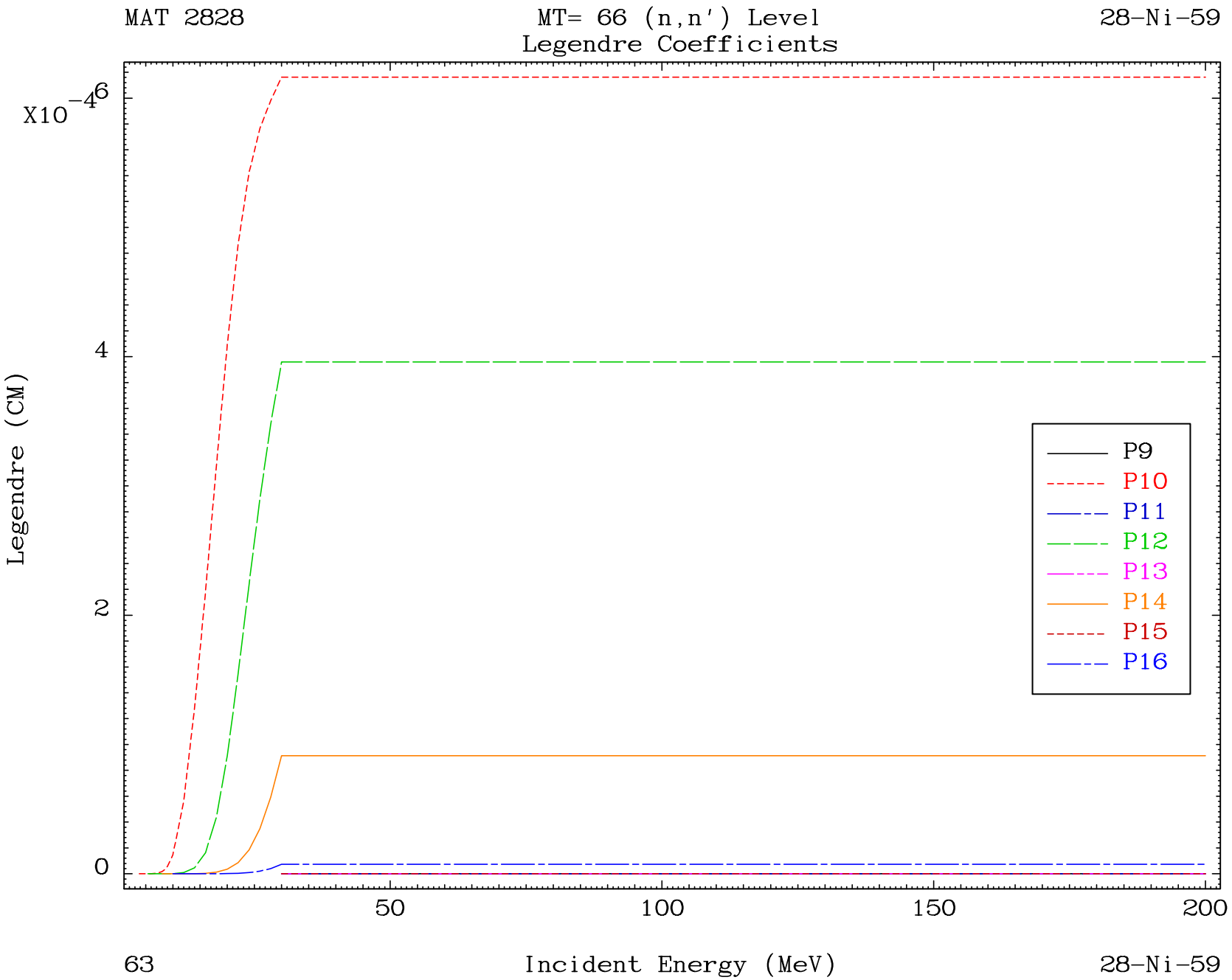

MAT 2828
MT= 64 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-7
1.5
1.0
0.5
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
58
Incident Energy (MeV)
28-Ni-59

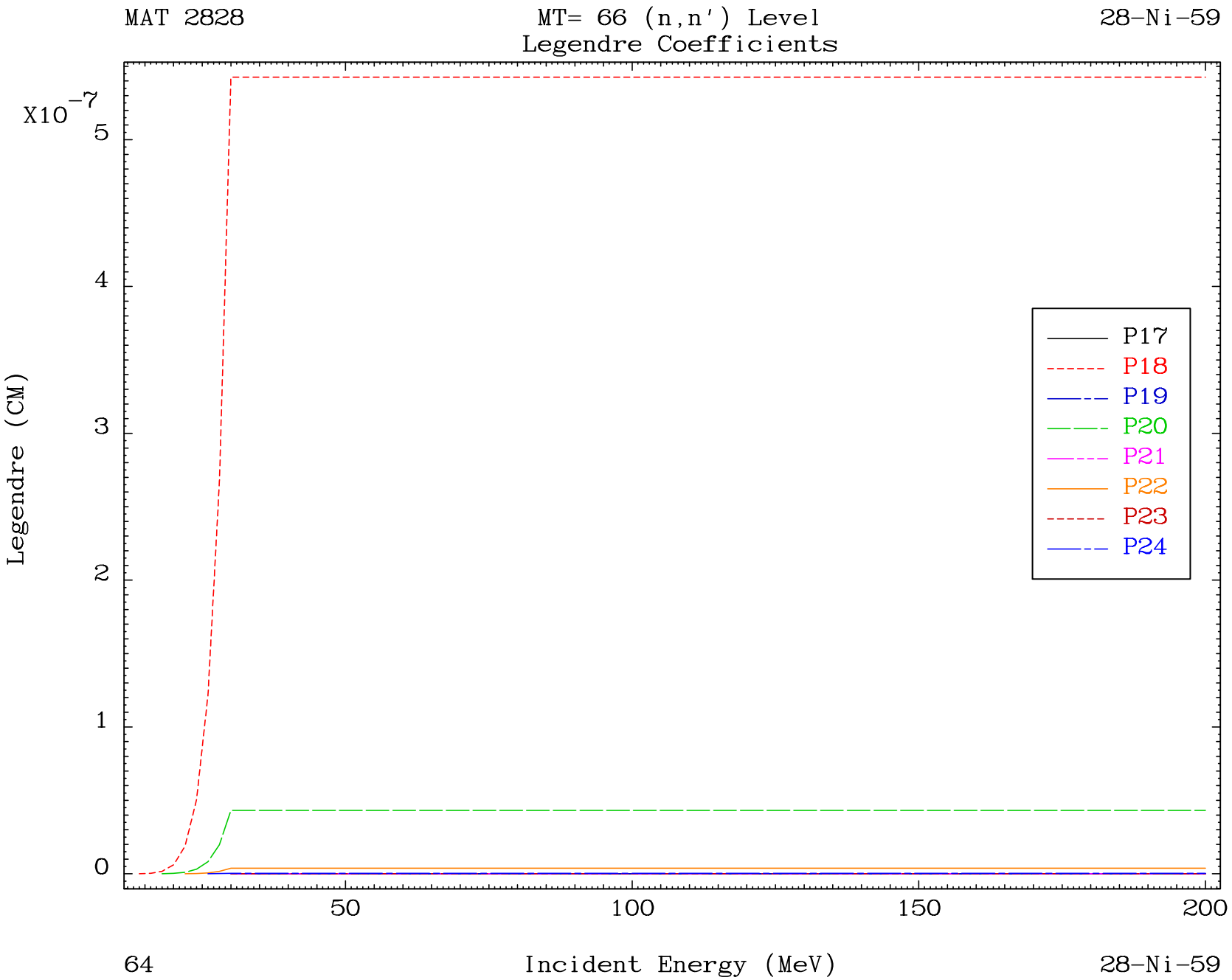

MAT 2828
MT= 65 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
0
50
100
150
200
59
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

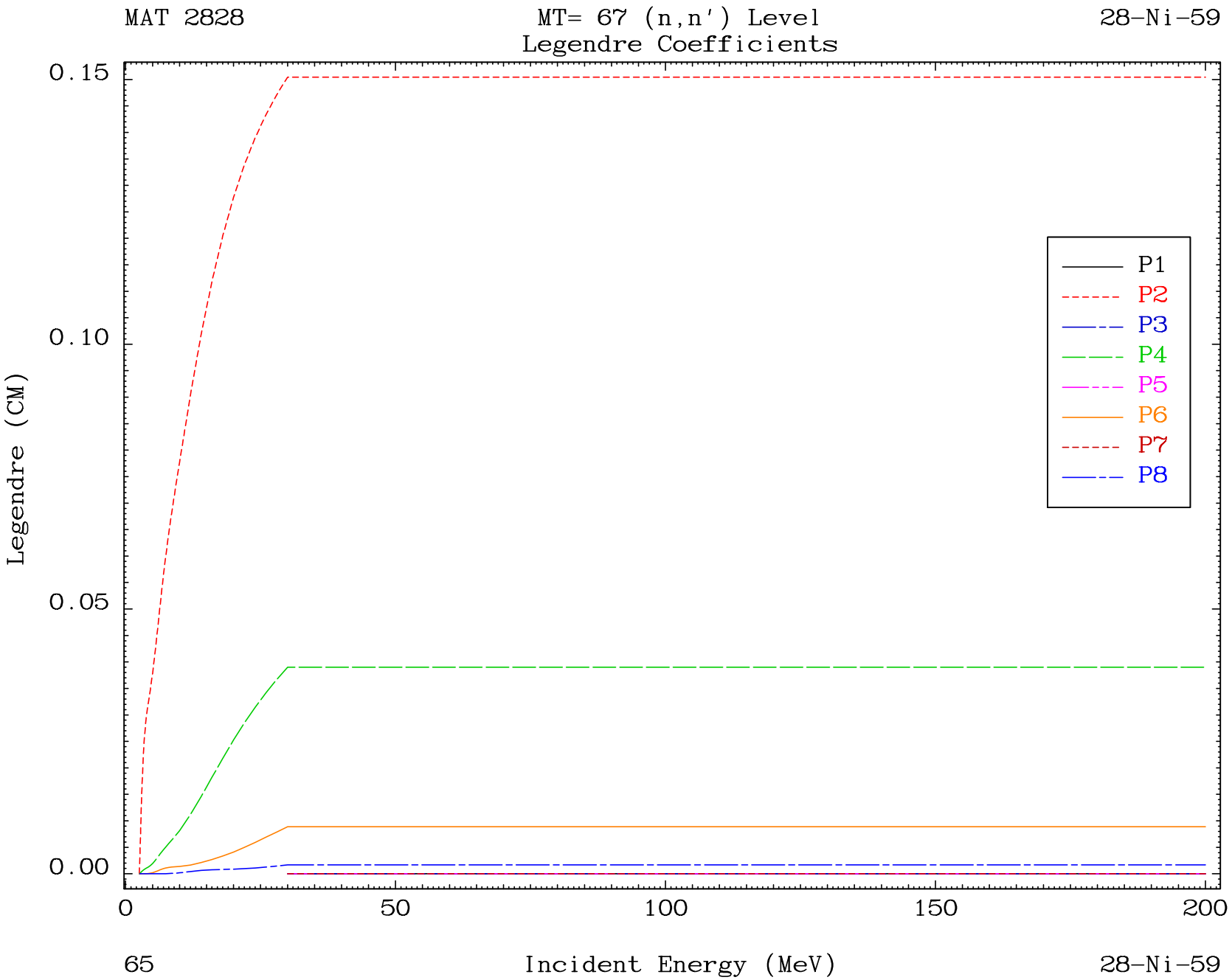

MAT 2828
MT= 65 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
8
6
4
2
0
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
60
Incident Energy (MeV)
28-Ni-59

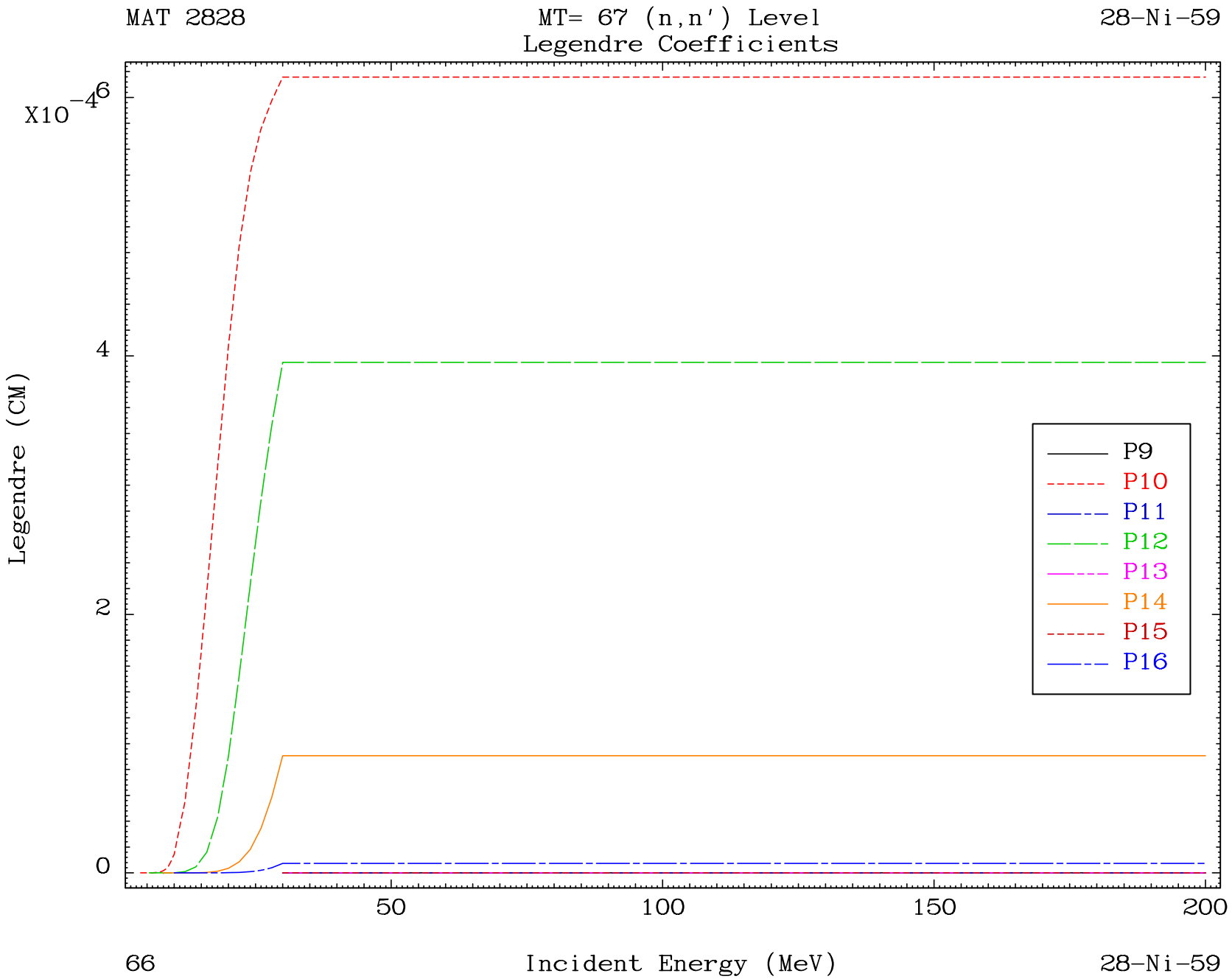

MAT 2828
MT= 65 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-7
8
6
4
2
0
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
61
Incident Energy (MeV)
28-Ni-59

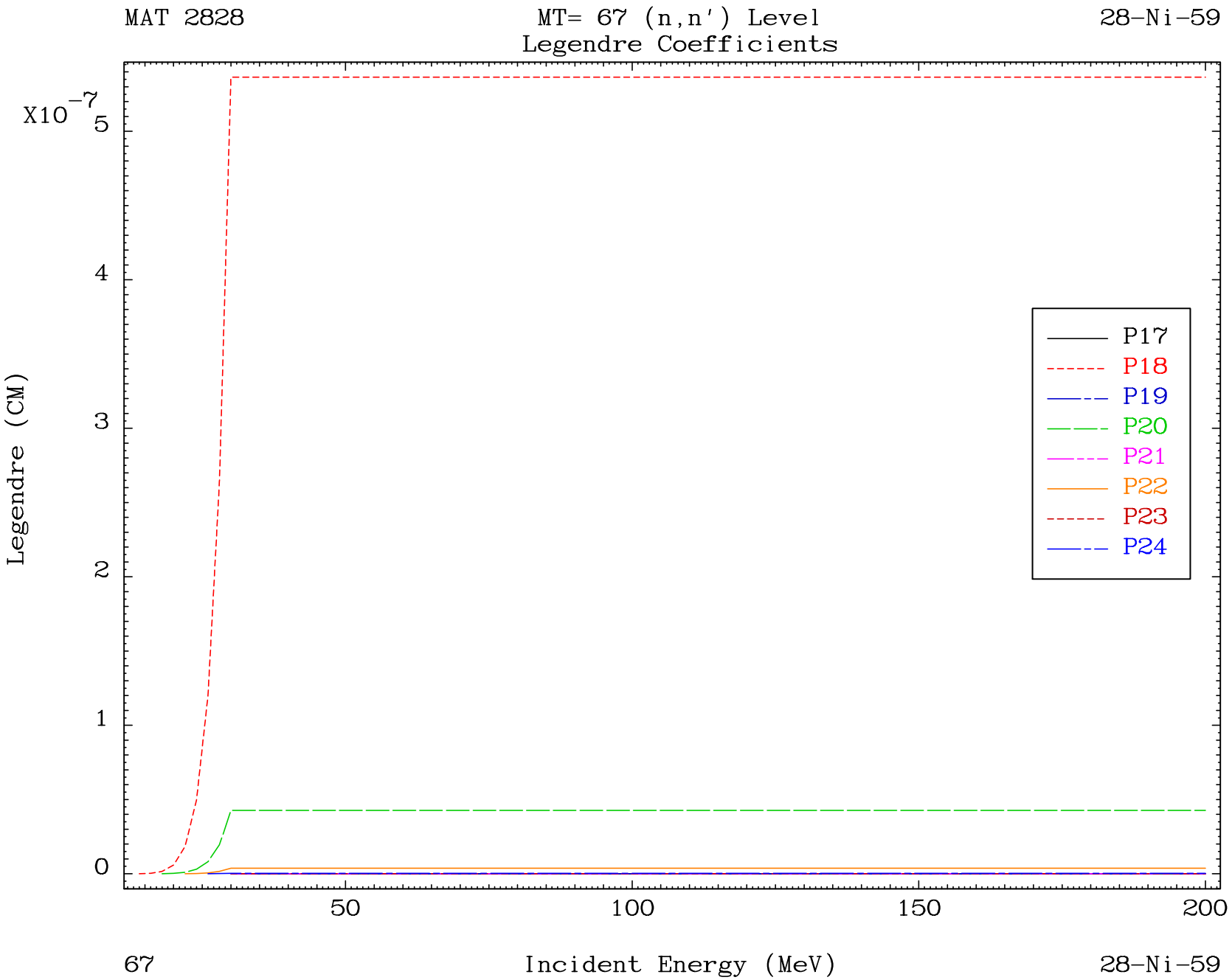

MAT 2828
MT= 66 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
0
50
100
150
200
62
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

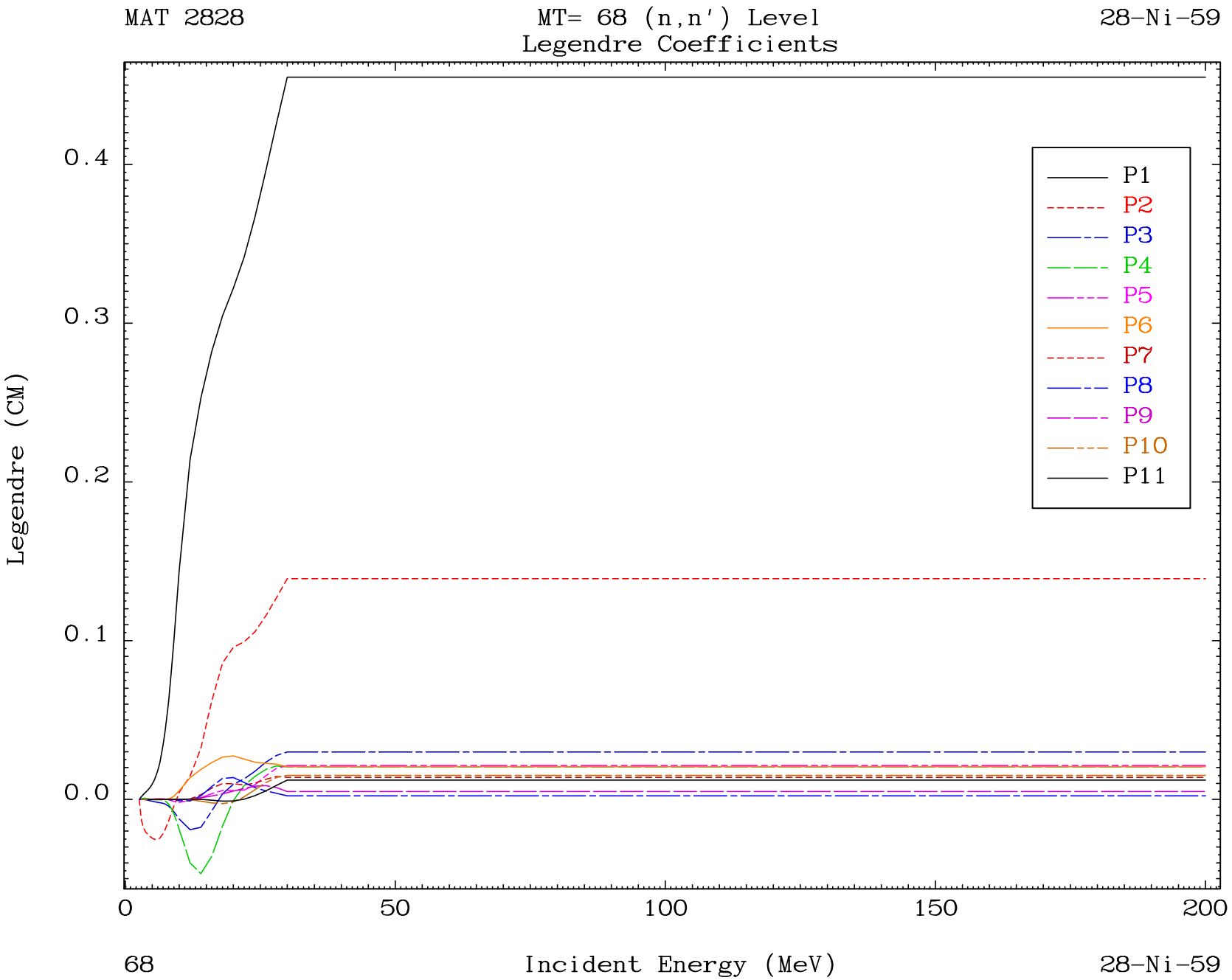

MAT 2828
MT= 66 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
6
4
2
0
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
28-Ni-59
P9
P10
P11
P12
P13
P14
P15
P16

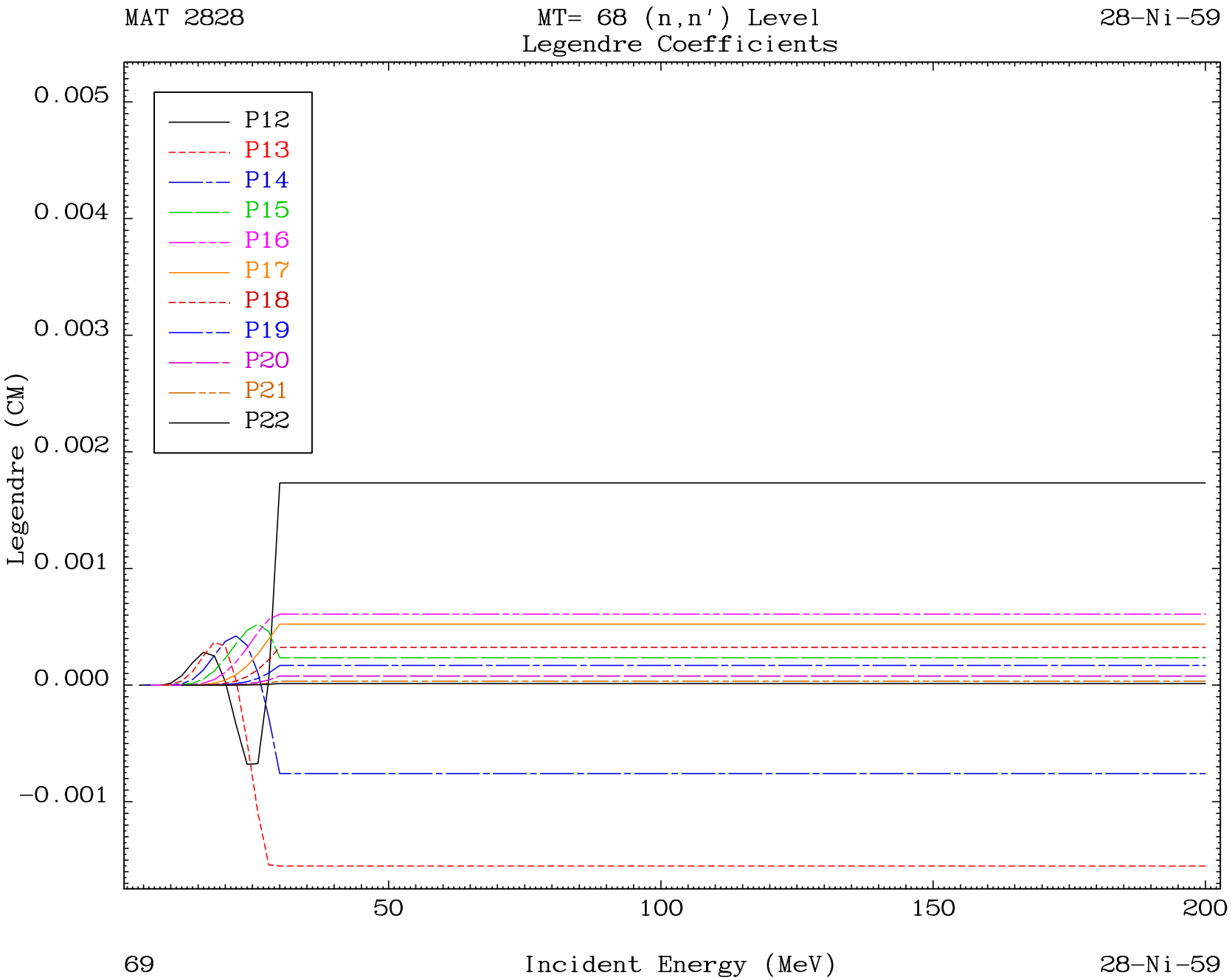

MAT 2828
MT= 66 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-7
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

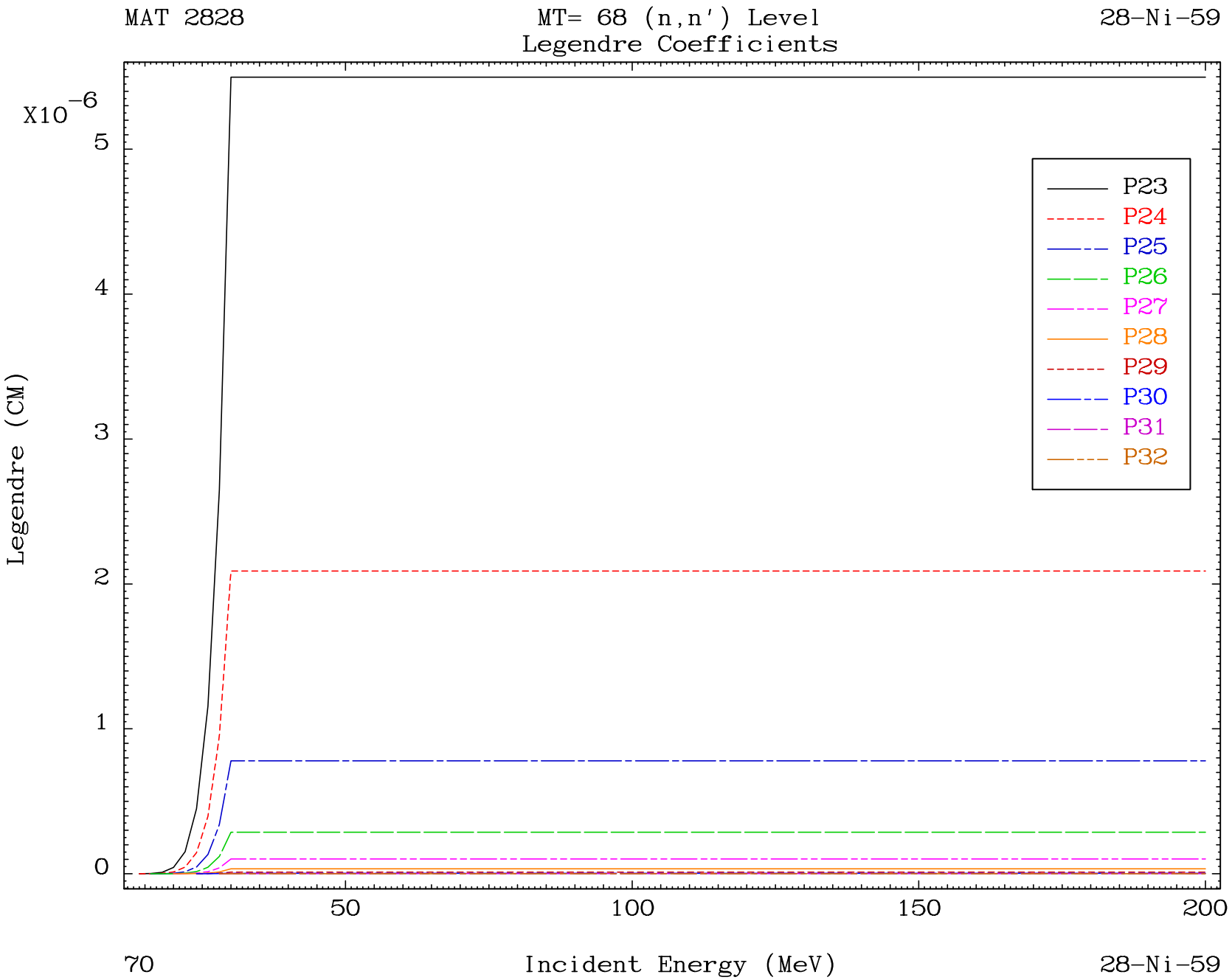

MAT 2828
MT= 67 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
0
50
100
150
200
65
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

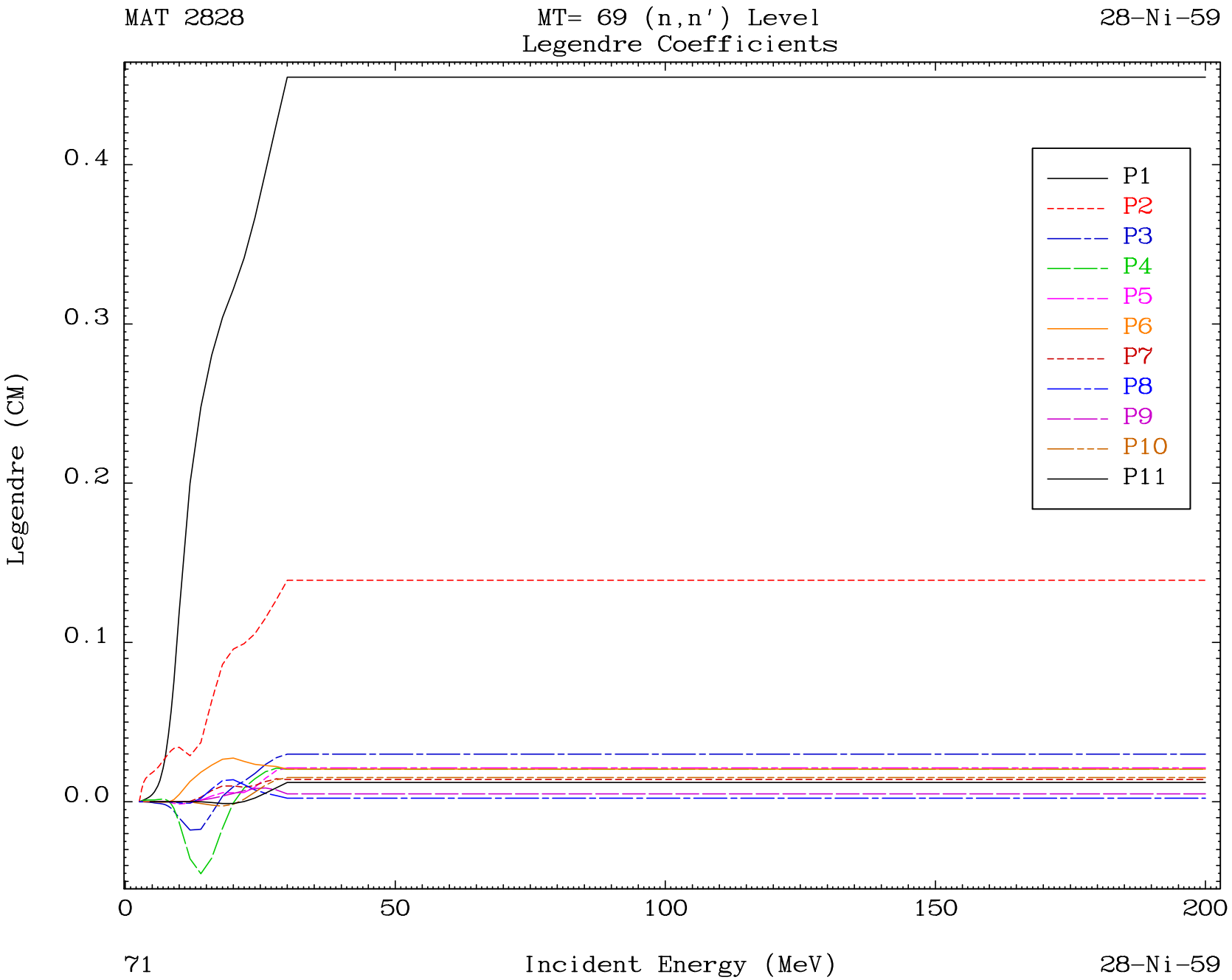

MAT 2828
MT= 67 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
6
4
2
0
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
28-Ni-59
P9
P10
P11
P12
P13
P14
P15
P16

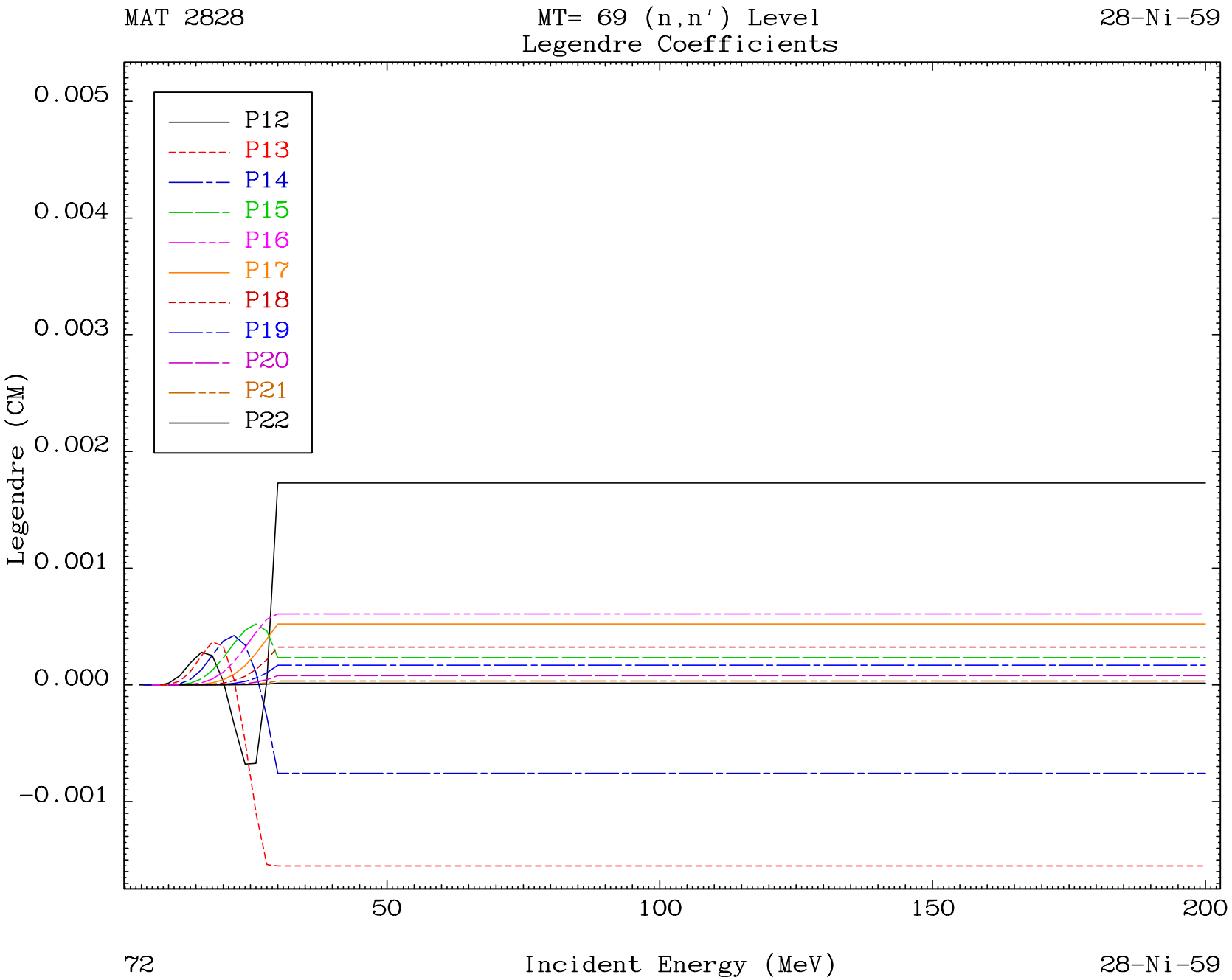

MAT 2828
MT= 67 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-7
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

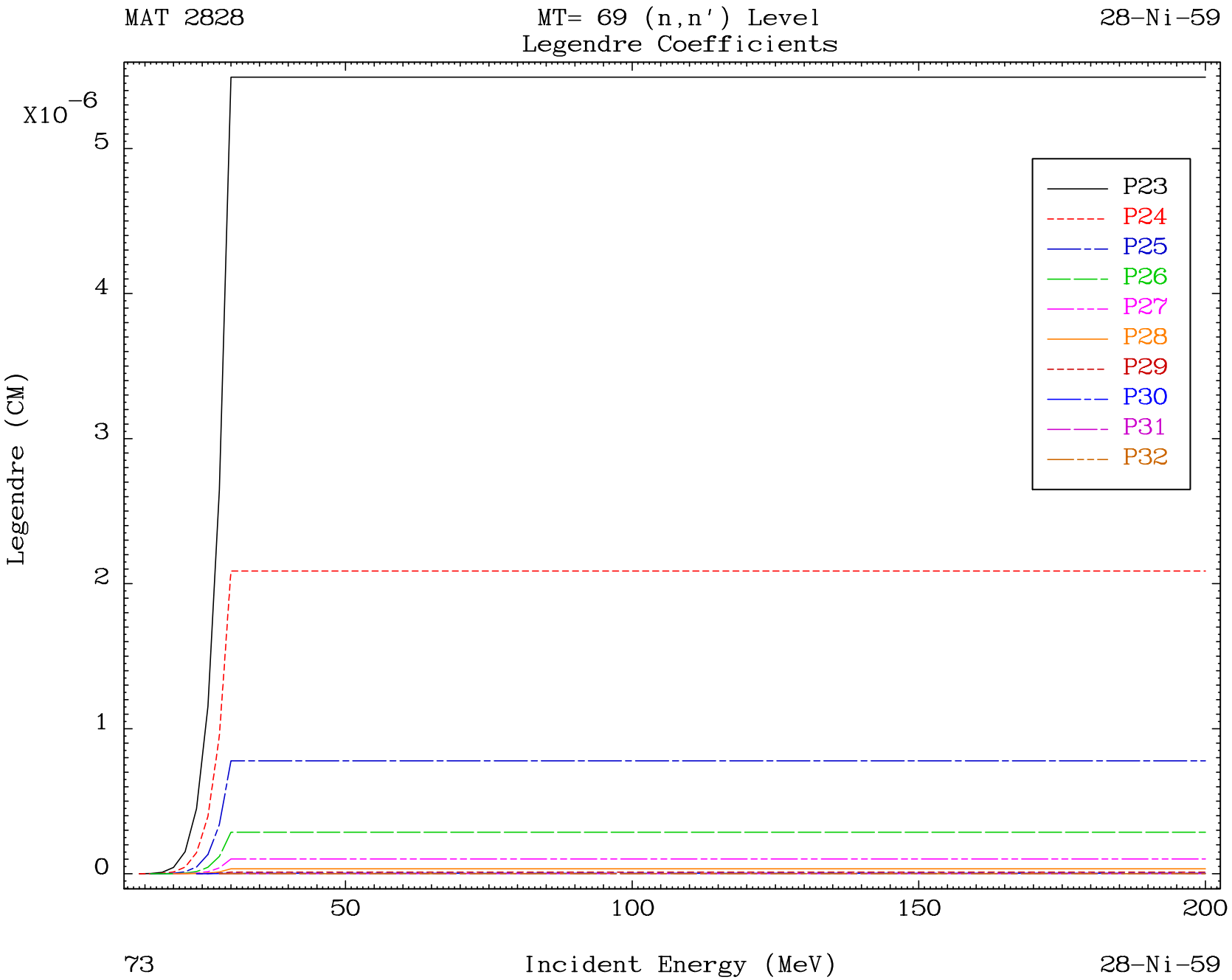

MAT 2828
MT= 68 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
68
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

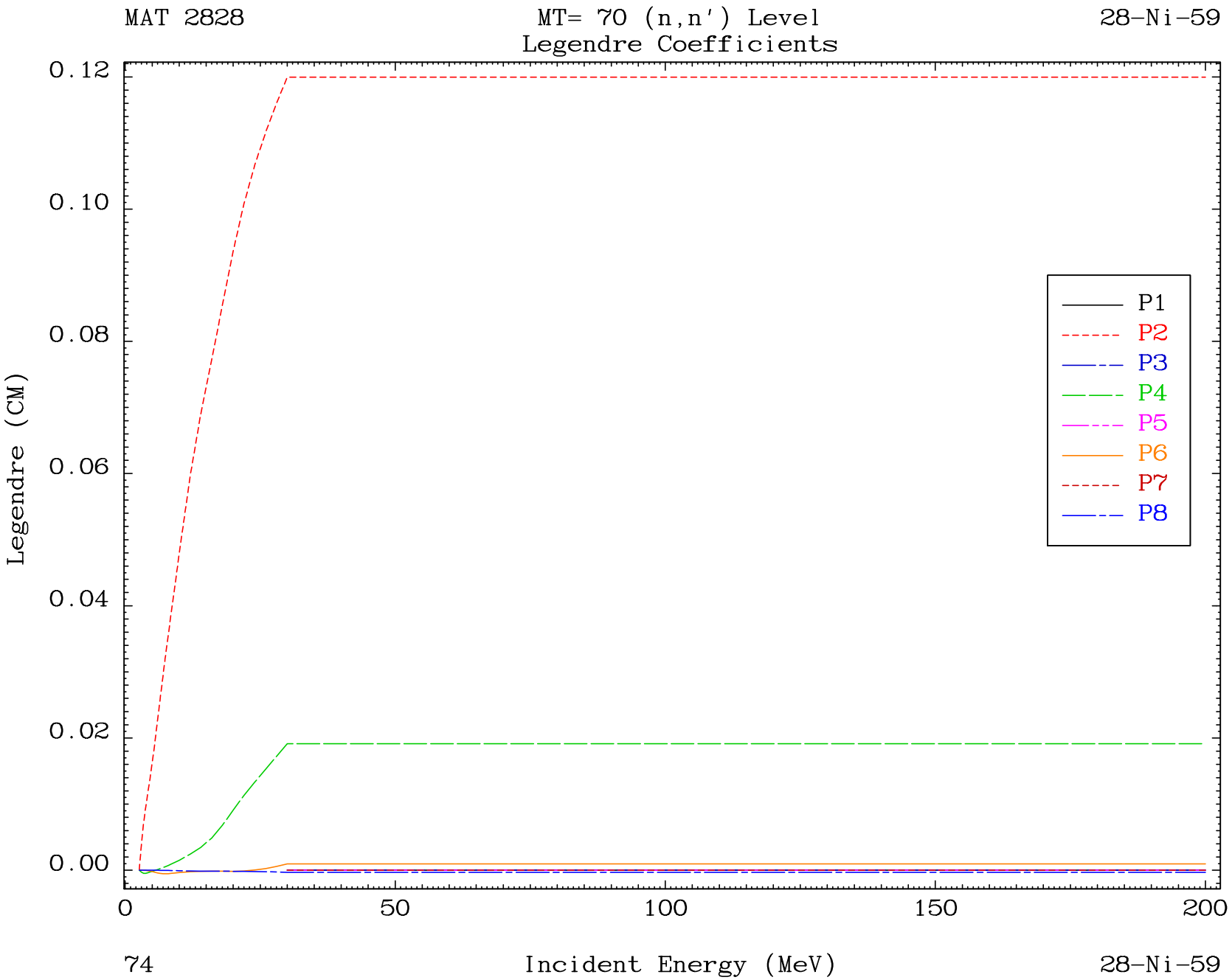

MAT 2828
MT= 68 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.005
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
28-Ni-59

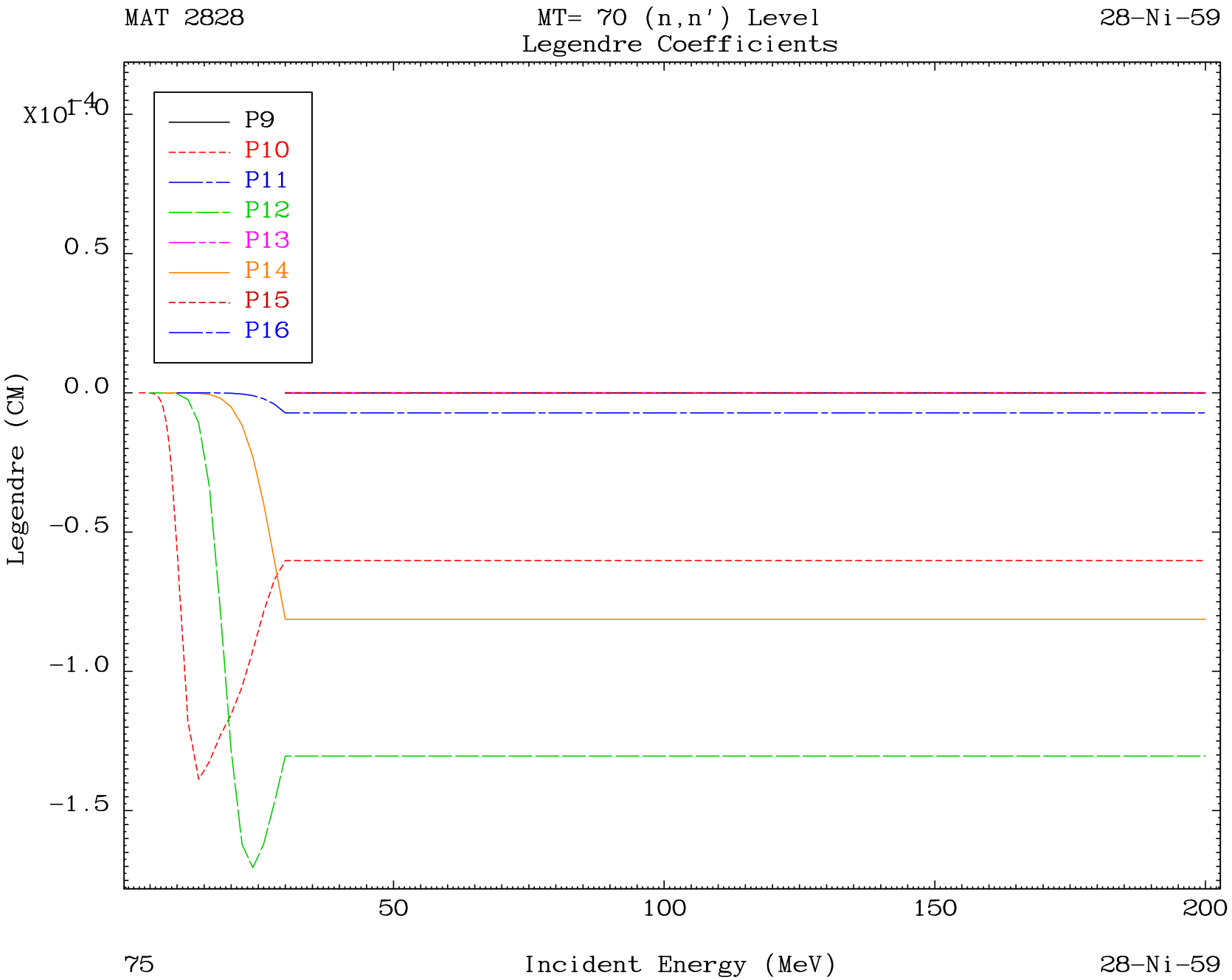

MAT 2828
MT= 68 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
70
Incident Energy (MeV)
28-Ni-59

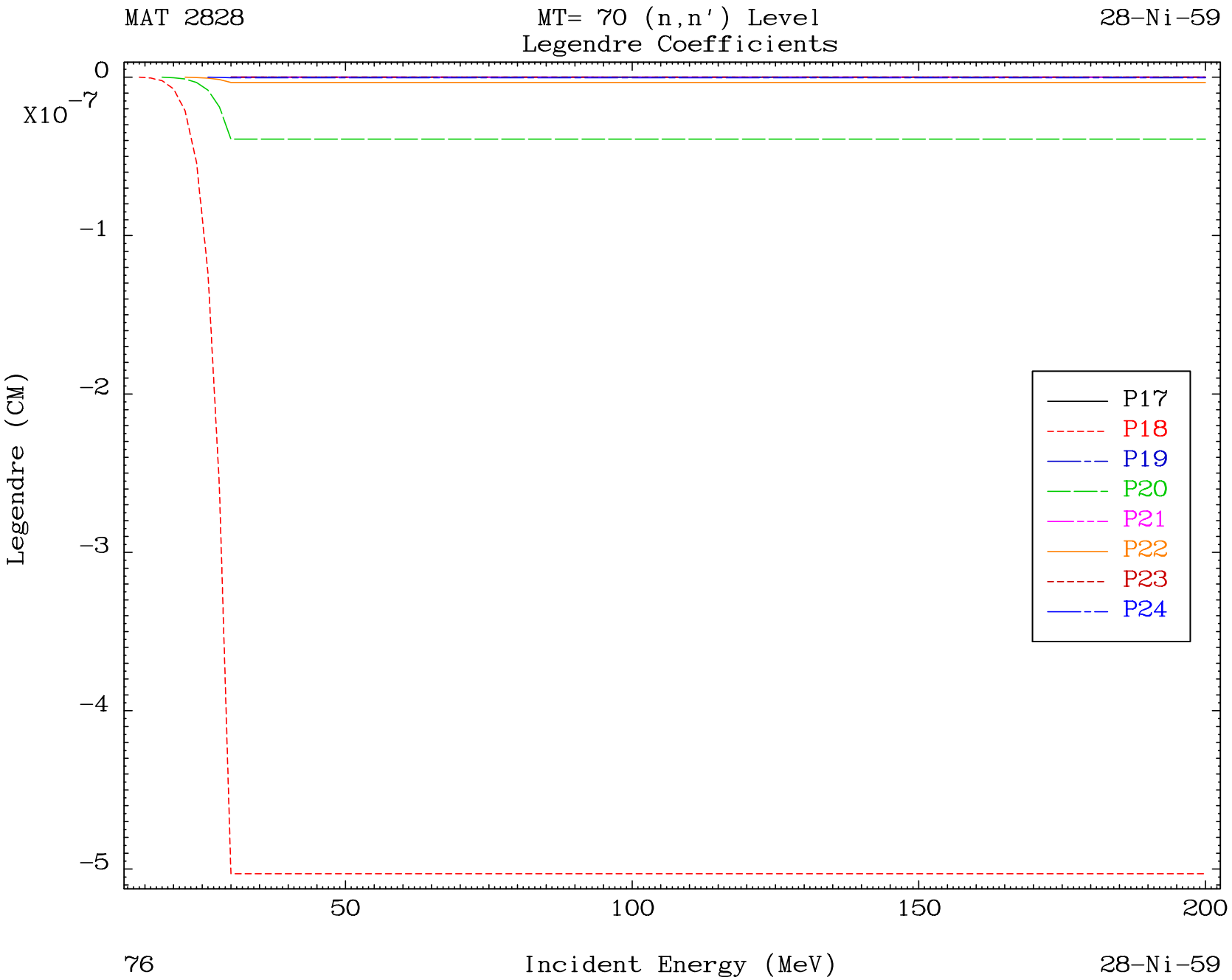

MAT 2828
MT= 69 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
71
Incident Energy (MeV)
28-Ni-59

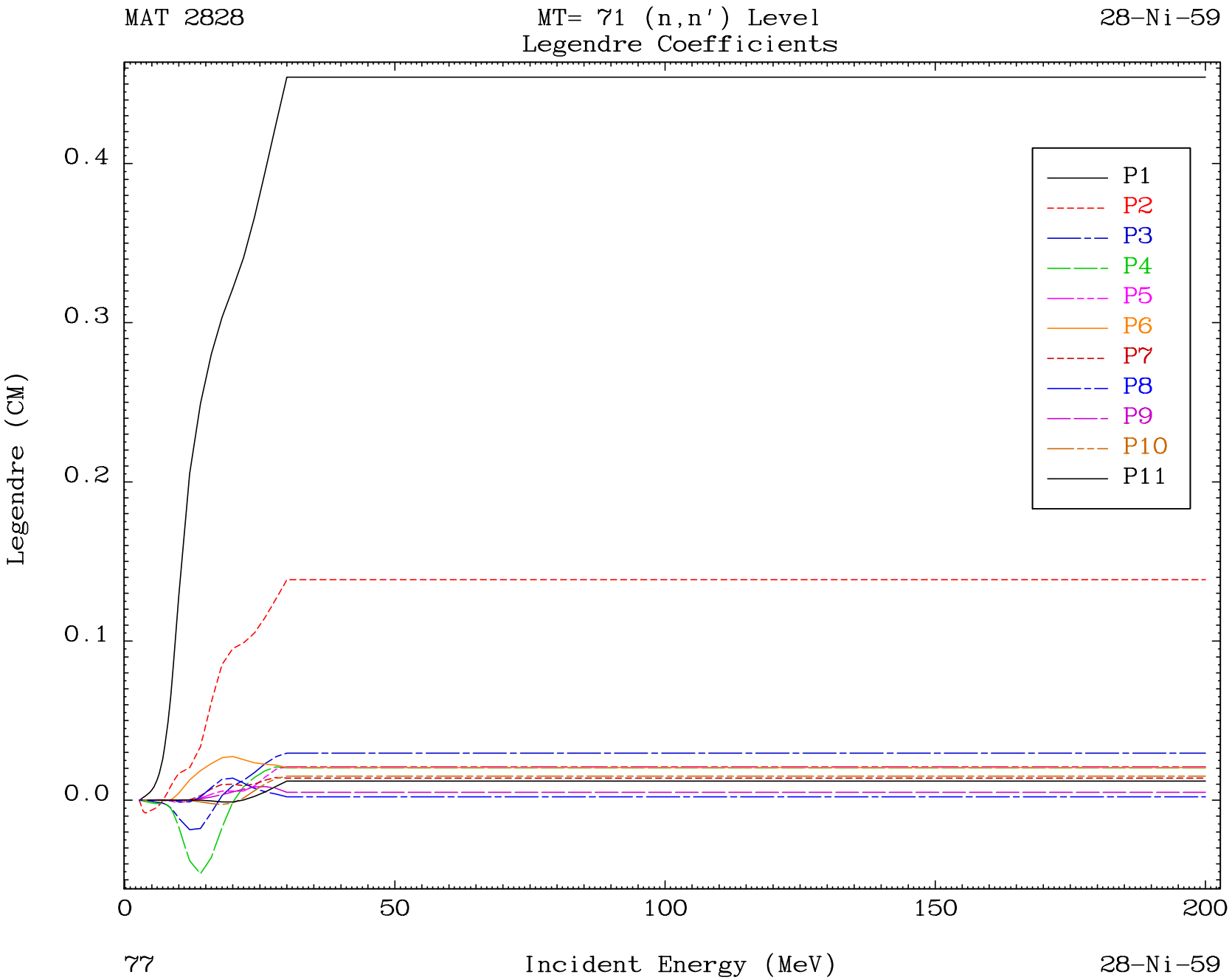

MAT 2828
MT= 69 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.005
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
28-Ni-59

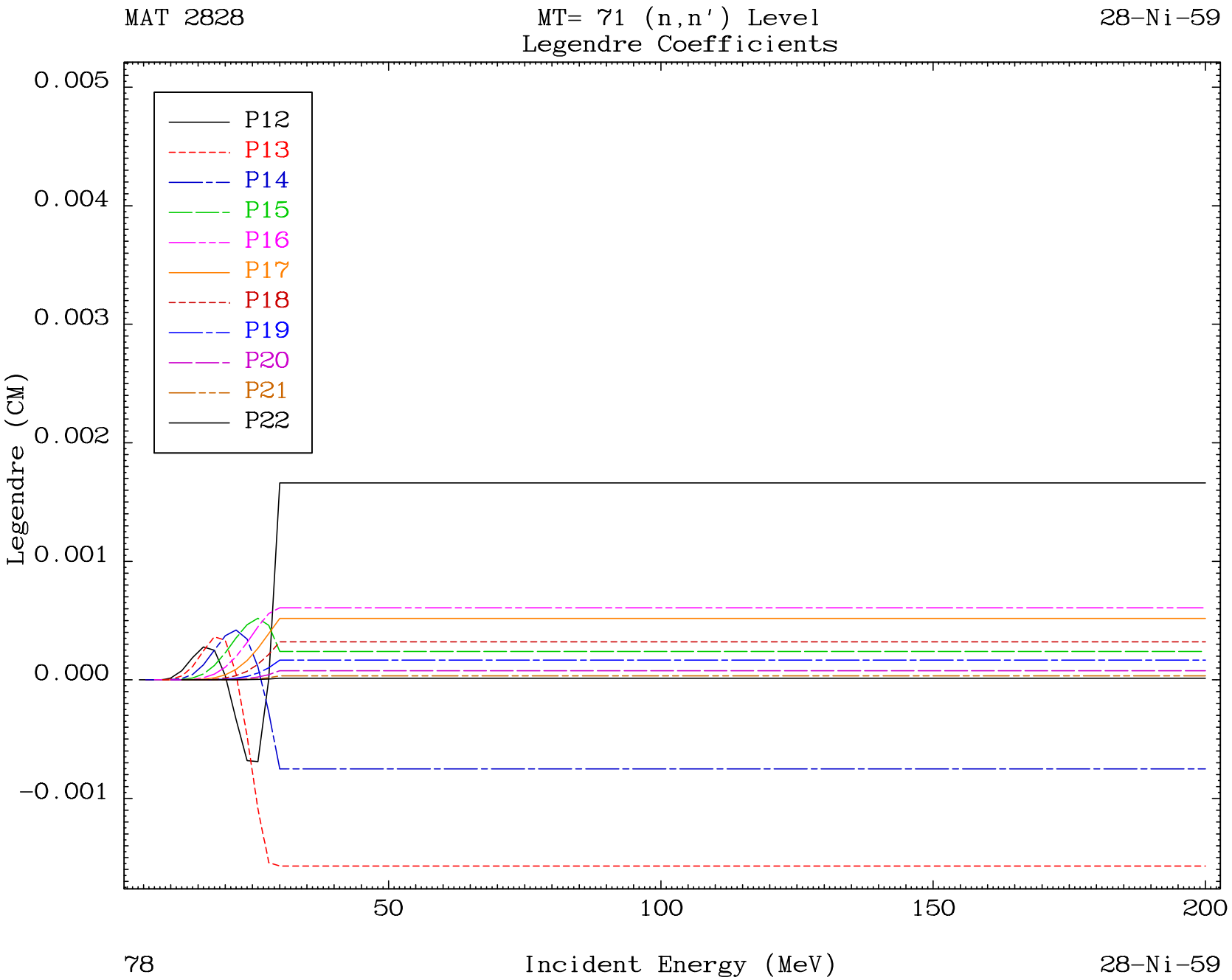

MAT 2828
MT= 69 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
73
Incident Energy (MeV)
28-Ni-59

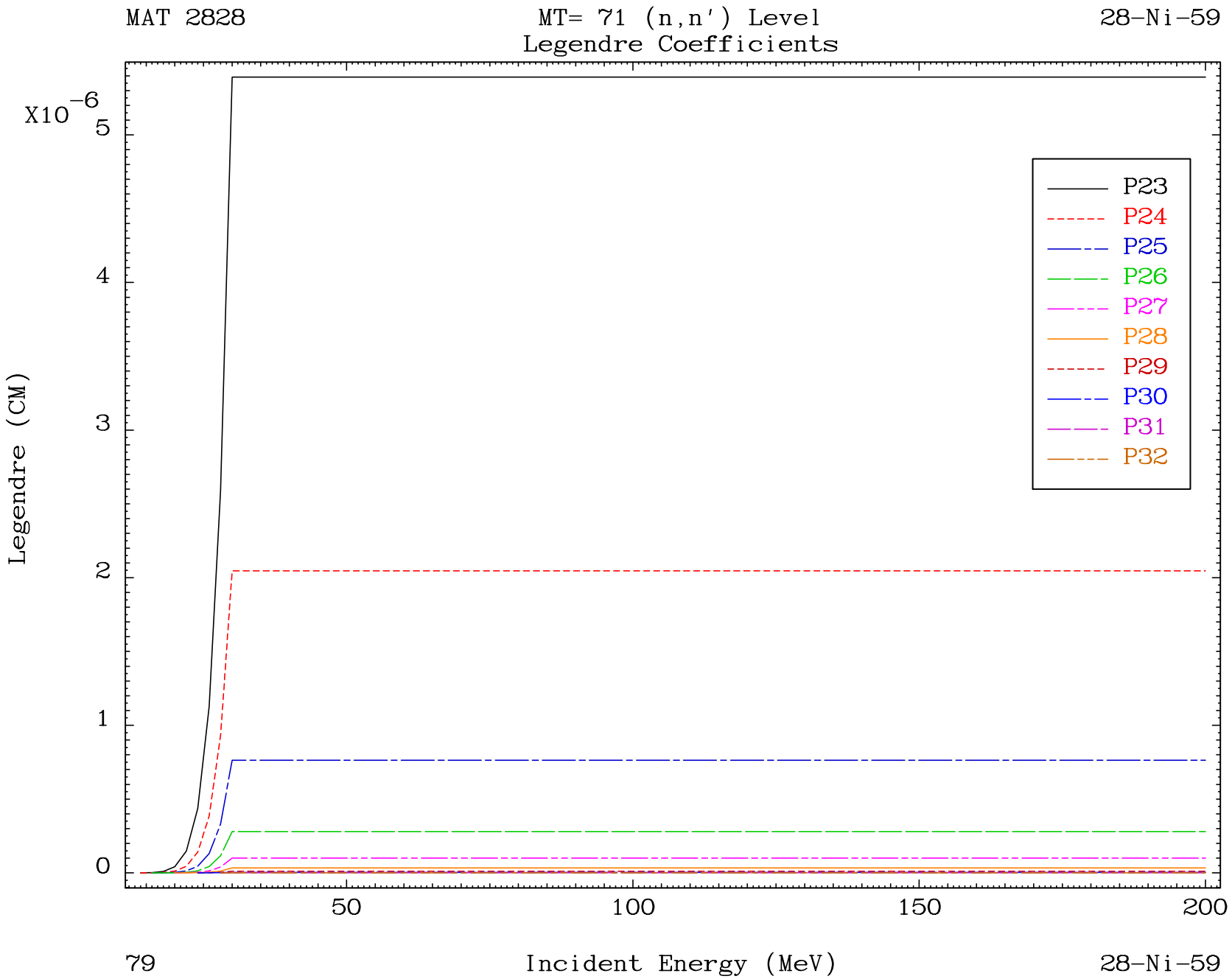

MAT 2828
MT= 70 (n,n') Level
Legendre Coefficients
28-Ni-59
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
74
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8

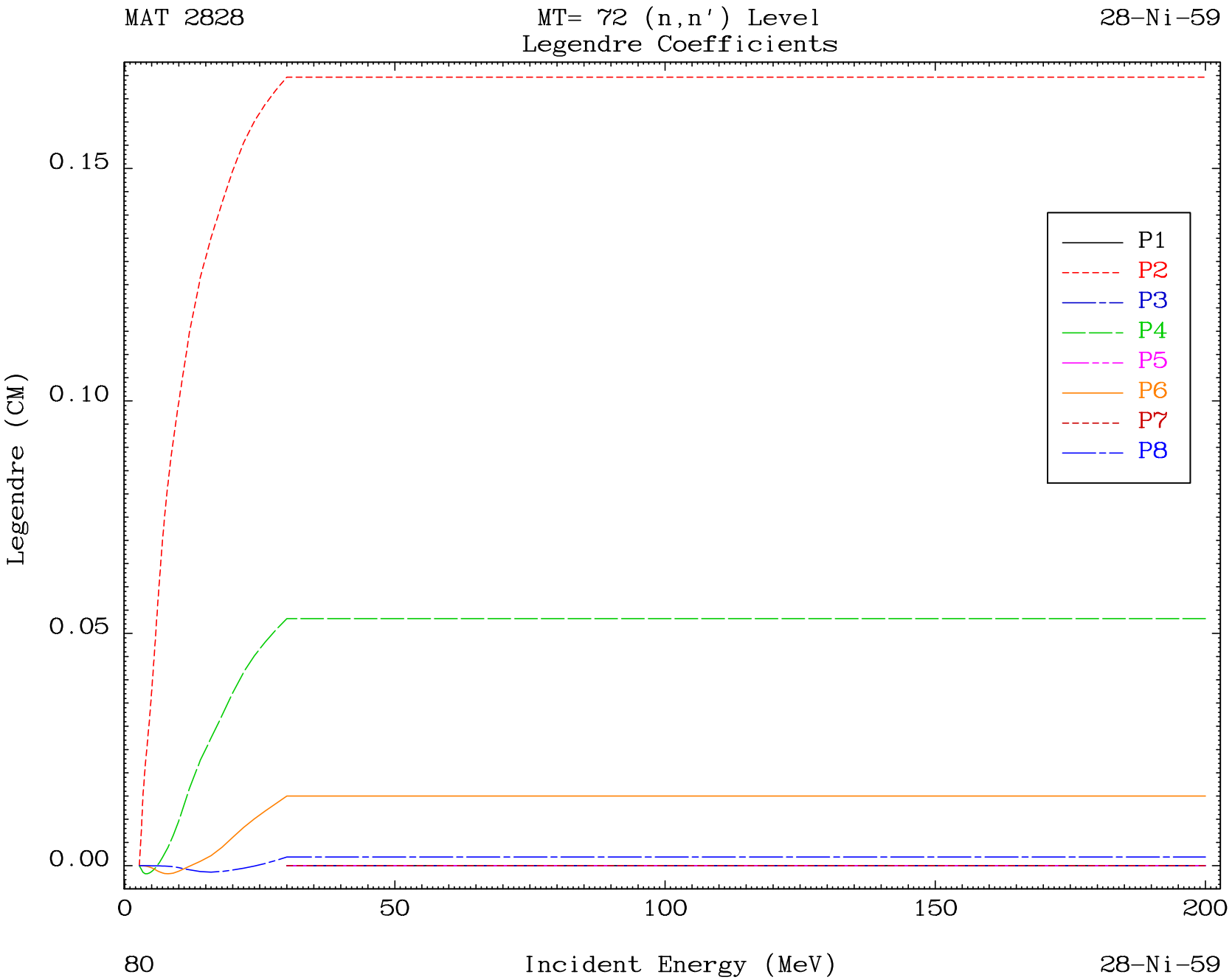

MAT 2828
MT= 70 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-4
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
75
Incident Energy (MeV)
28-Ni-59

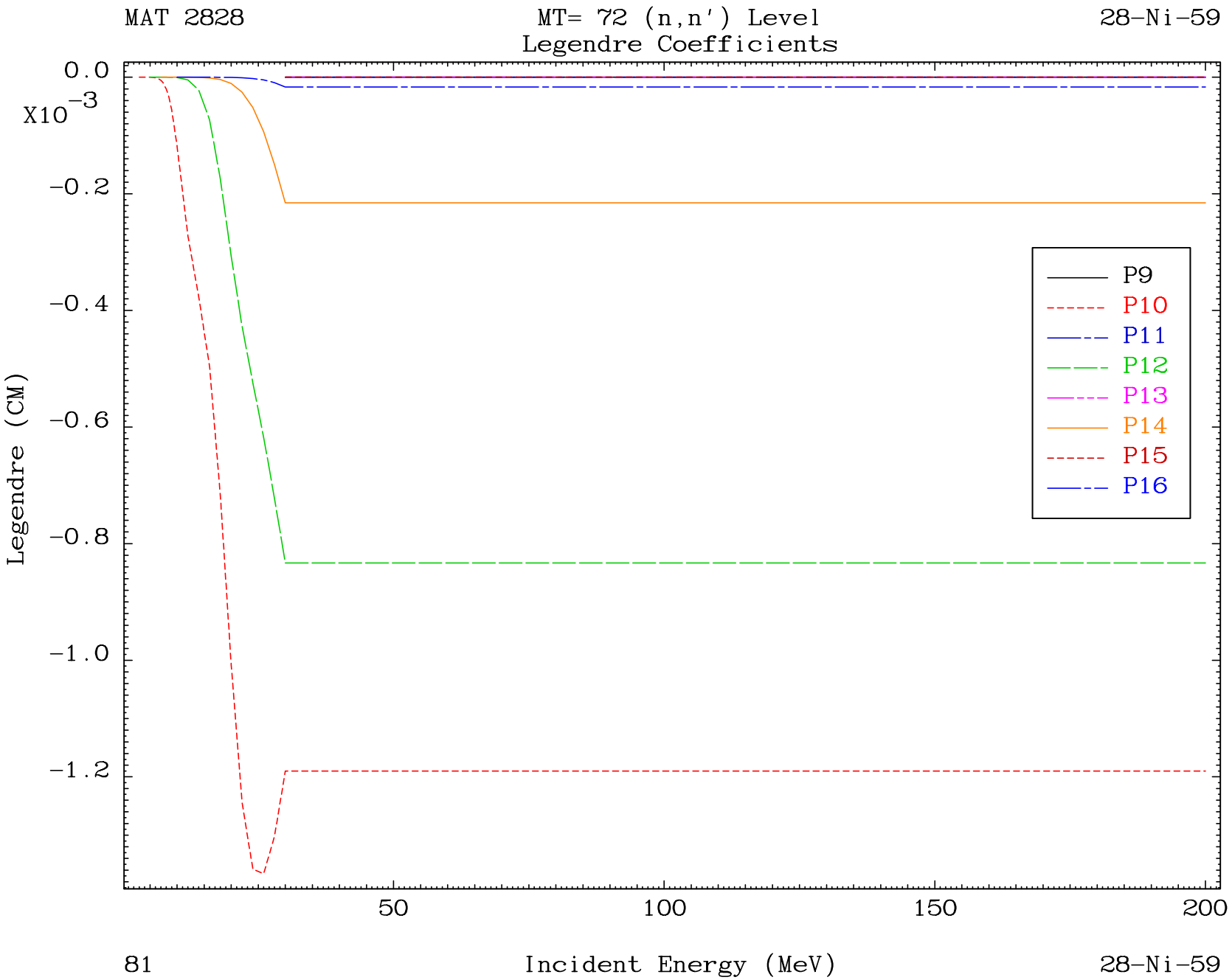

MAT 2828
MT= 70 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10-7
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

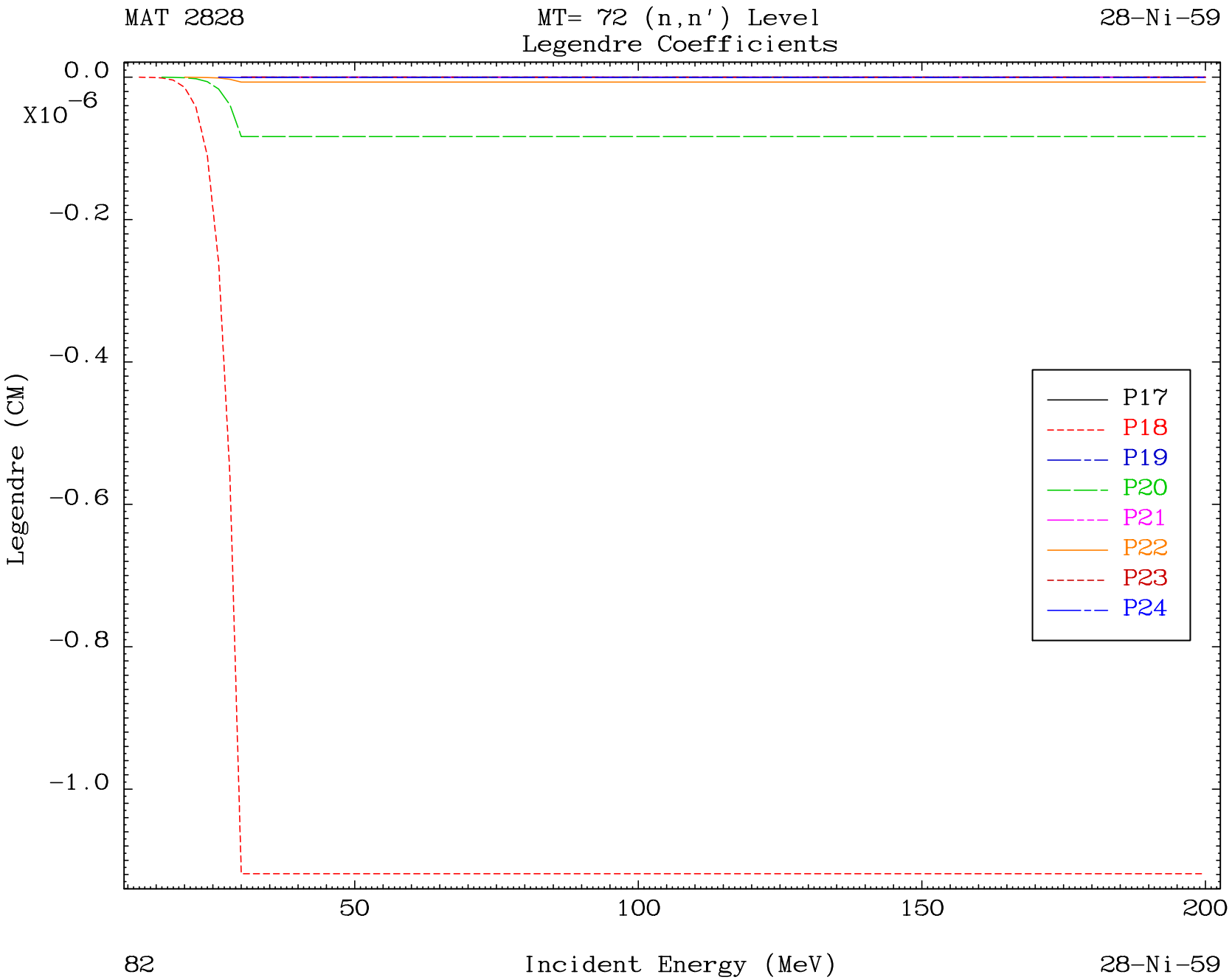

MAT 2828
MT= 71 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
77
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

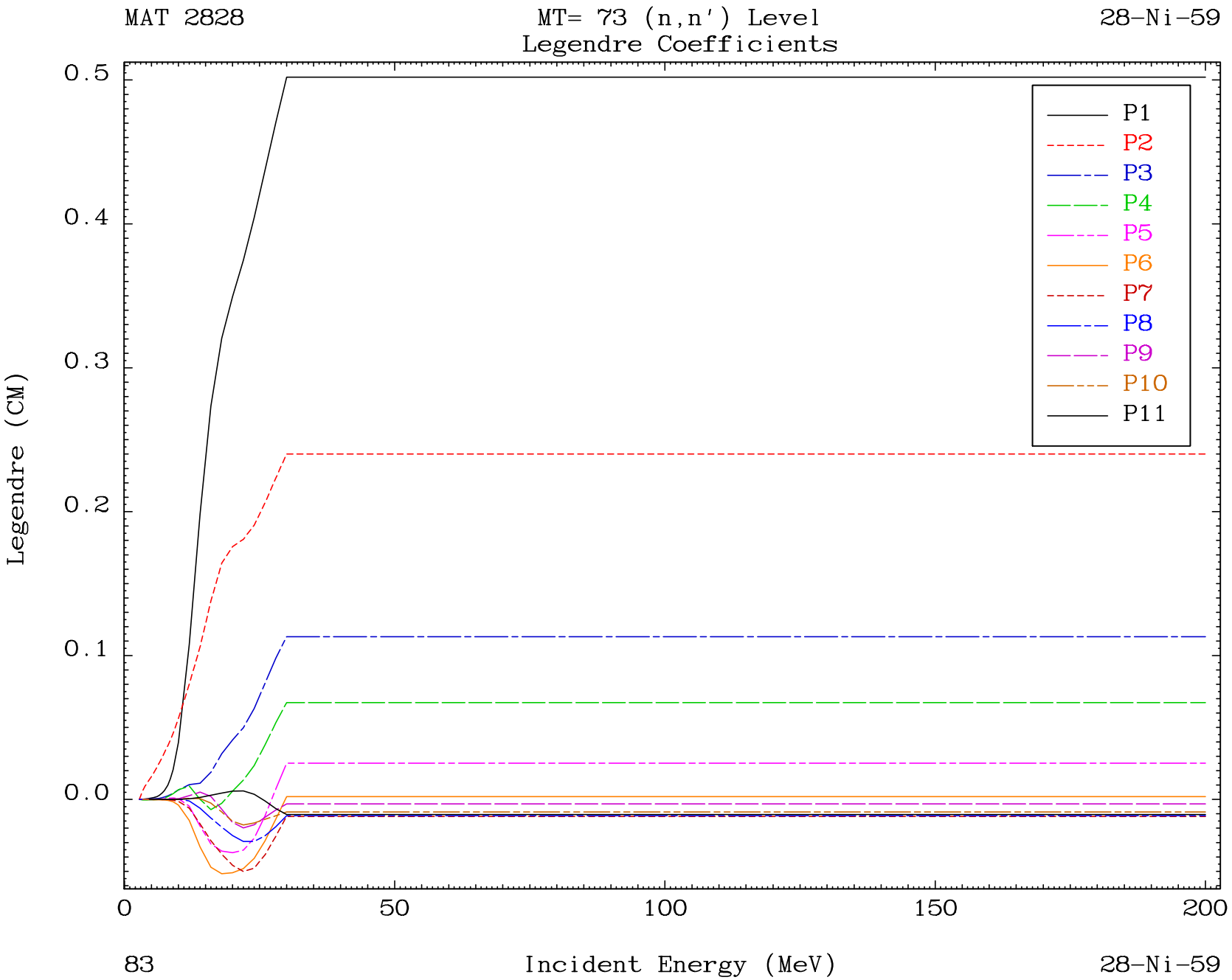

MAT 2828
MT= 71 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.005
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
28-Ni-59

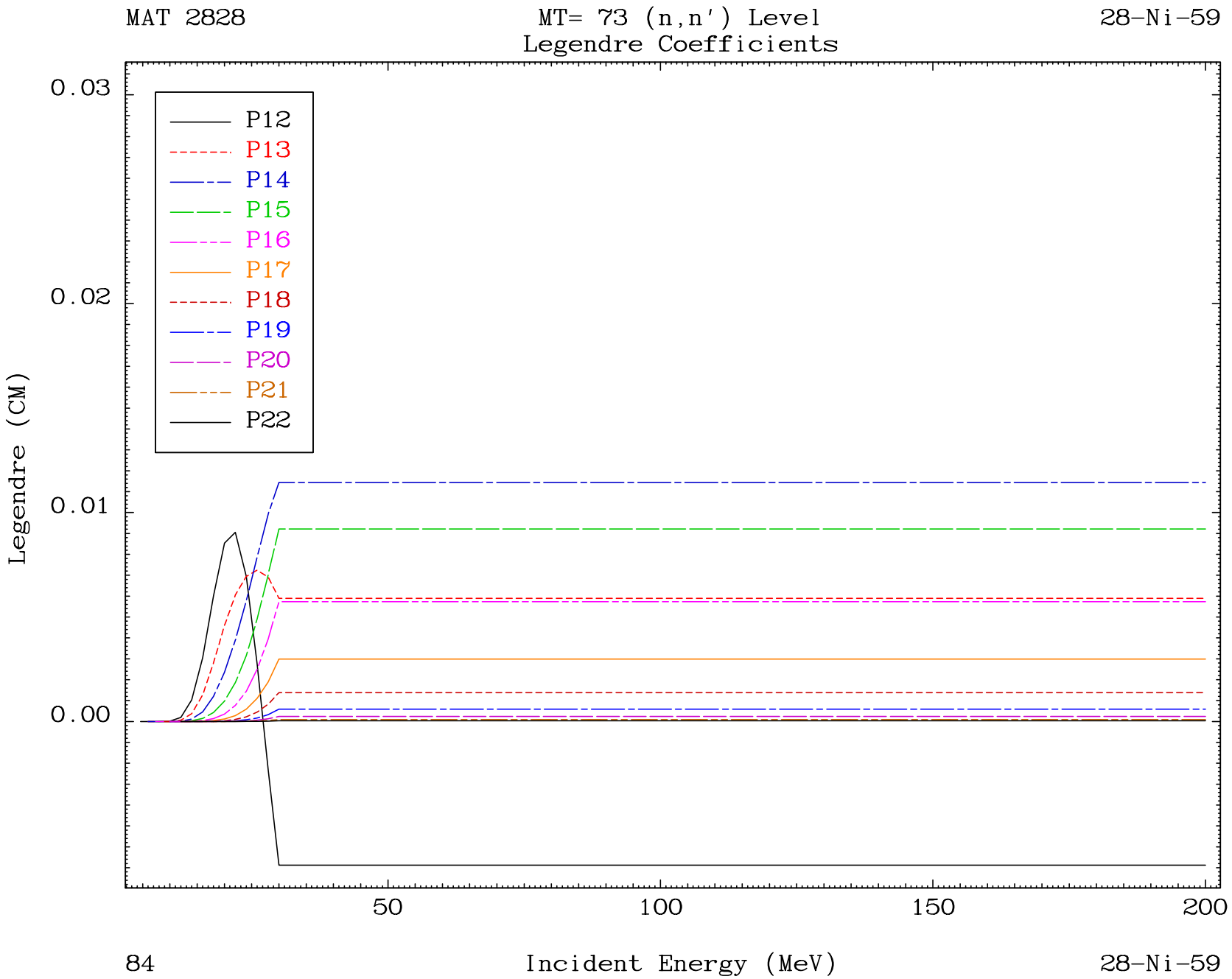

MAT 2828
MT= 71 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
79
Incident Energy (MeV)
28-Ni-59

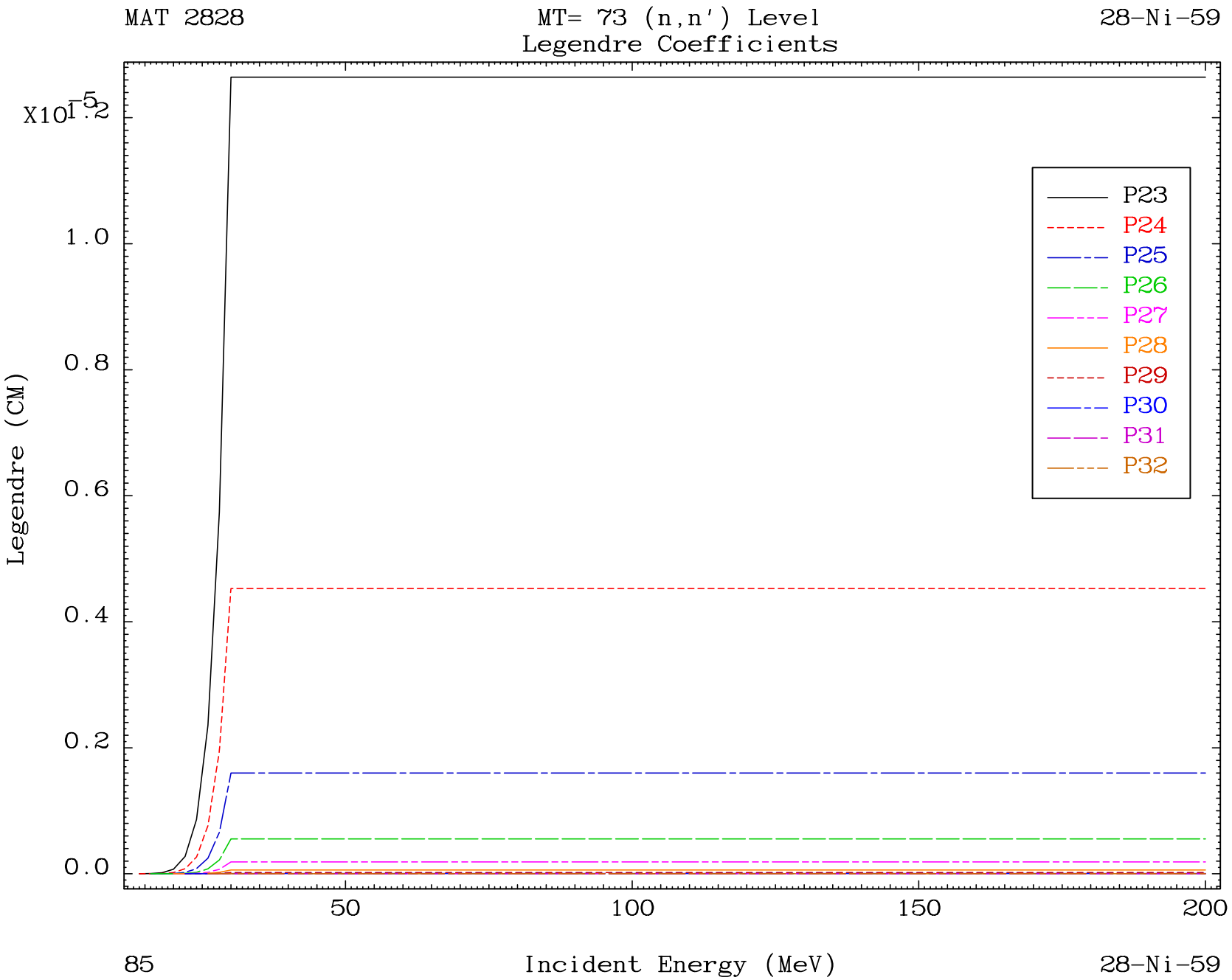

MAT 2828
MT= 72 (n,n') Level
Legendre Coefficients
28-Ni-59
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
80
Incident Energy (MeV)
28-Ni-59

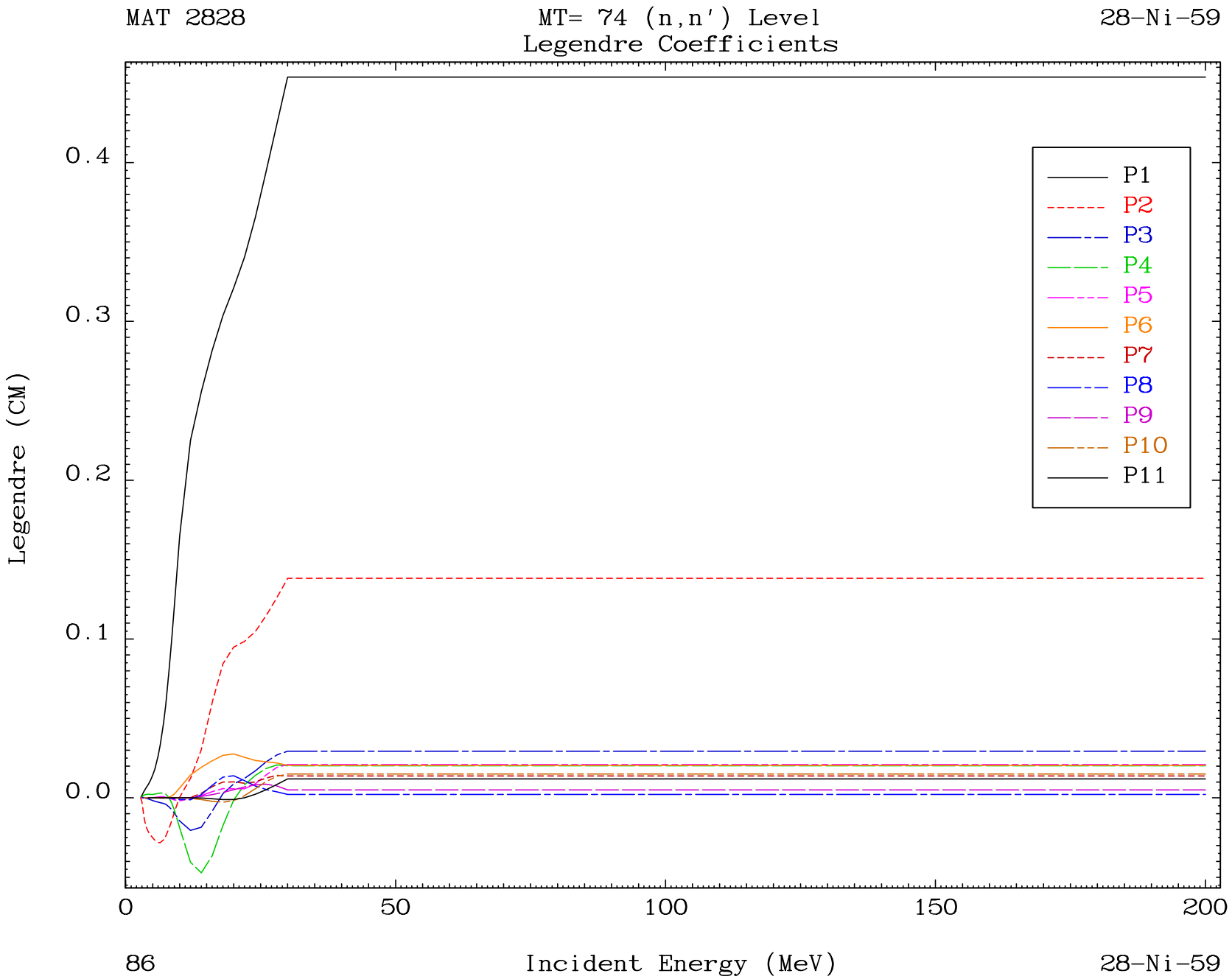

MAT 2828
MT= 72 (n,n') Level
Legendre Coefficients
28-Ni-59
0.0
X10^-3
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
28-Ni-59
P9
P10
P11
P12
P13
P14
P15
P16

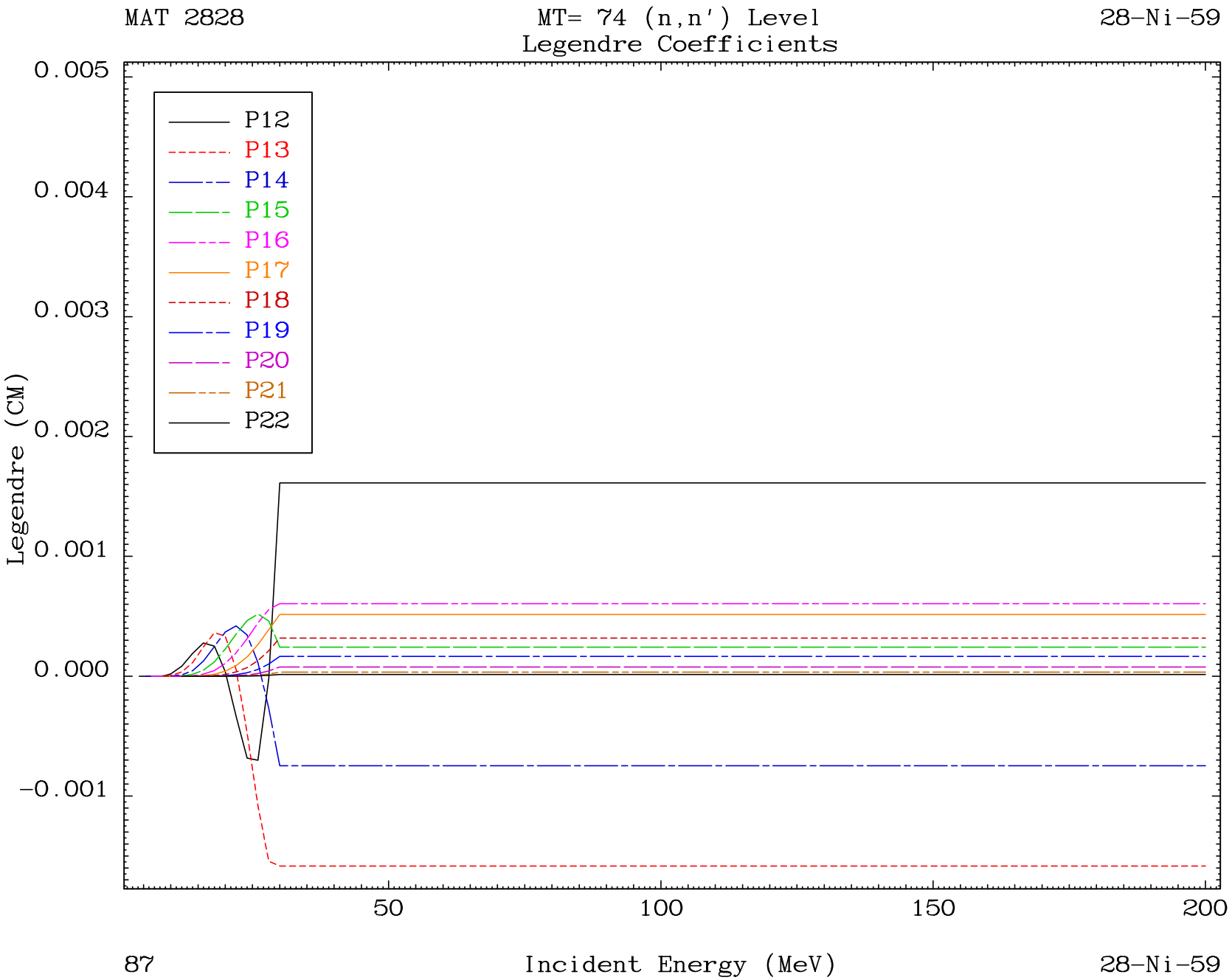

MAT 2828
MT= 72 (n,n') Level
Legendre Coefficients
28-Ni-59
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

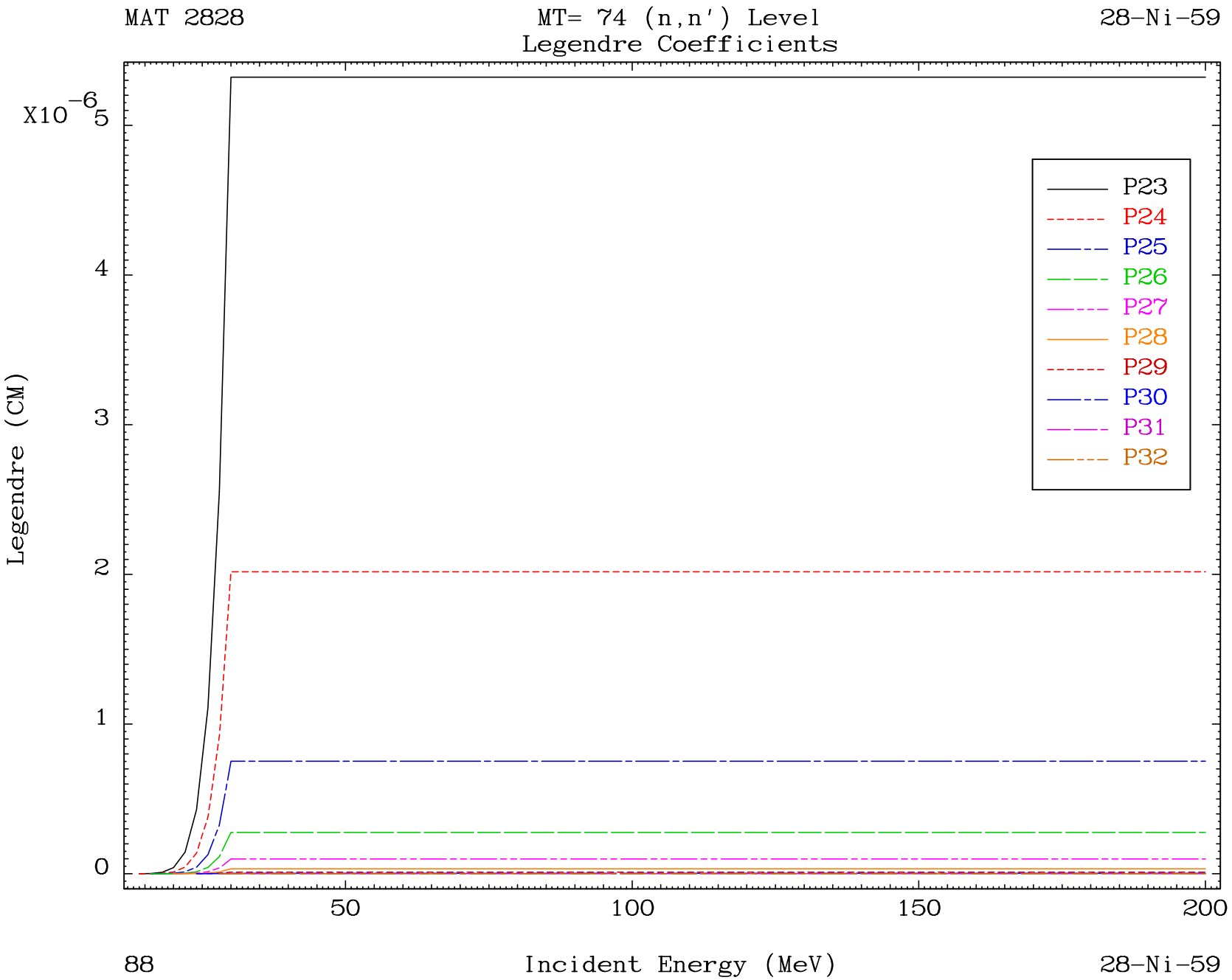

MAT 2828
MT= 73 (n,n') Level
Legendre Coefficients
28-Ni-59
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
83
Incident Energy (MeV)
28-Ni-59

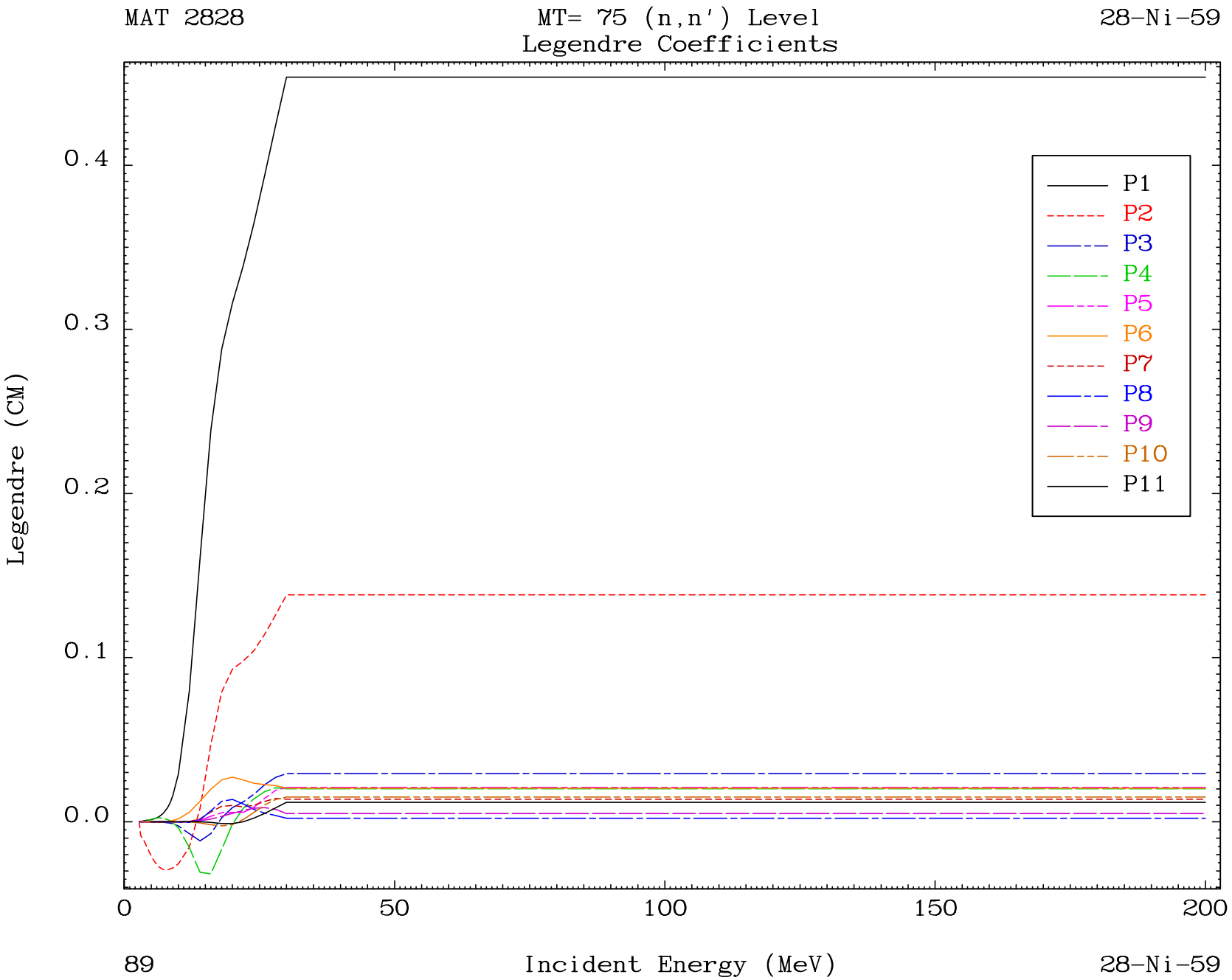

MAT 2828
MT= 73 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
28-Ni-59

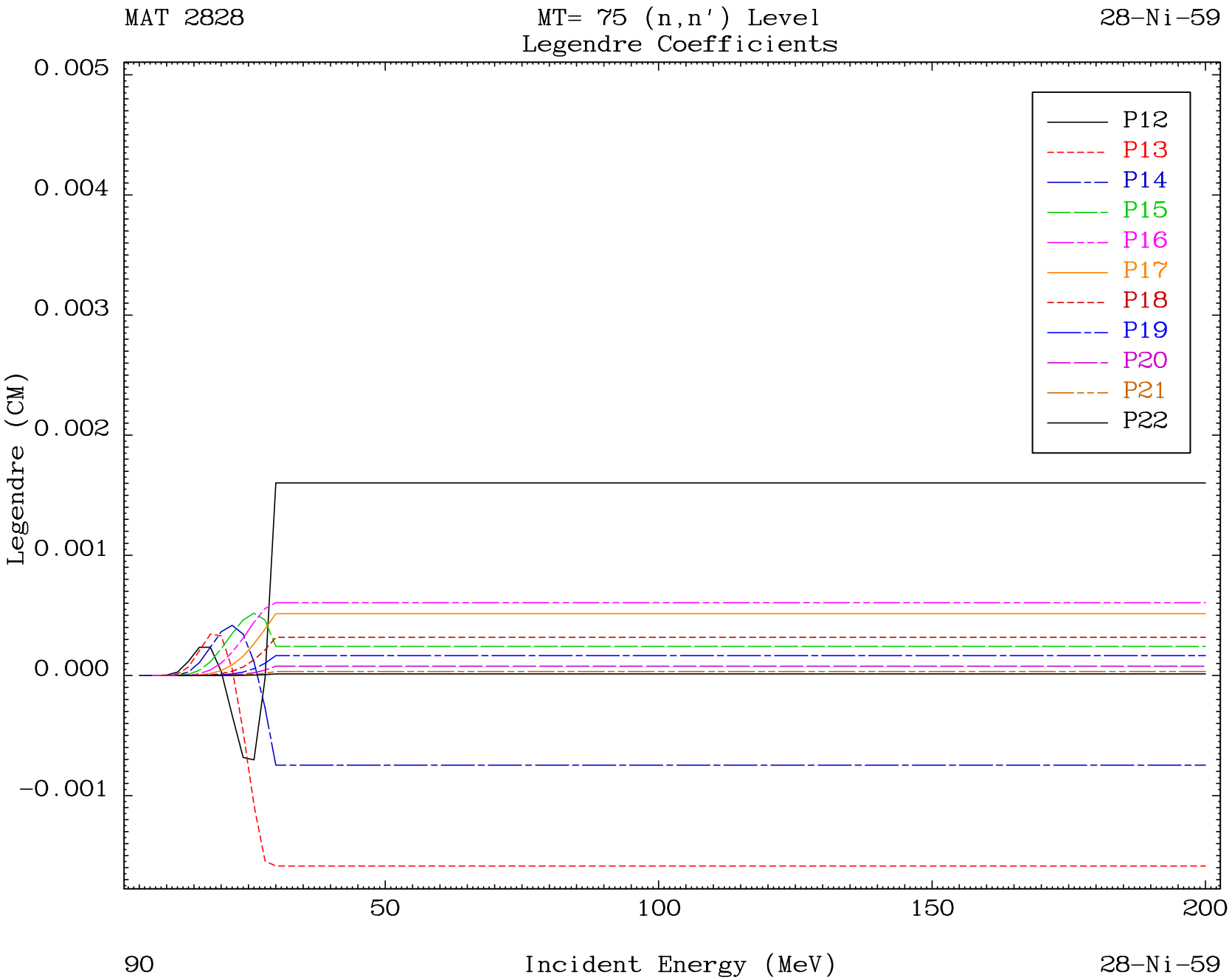

MAT 2828
MT= 73 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
28-Ni-59
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

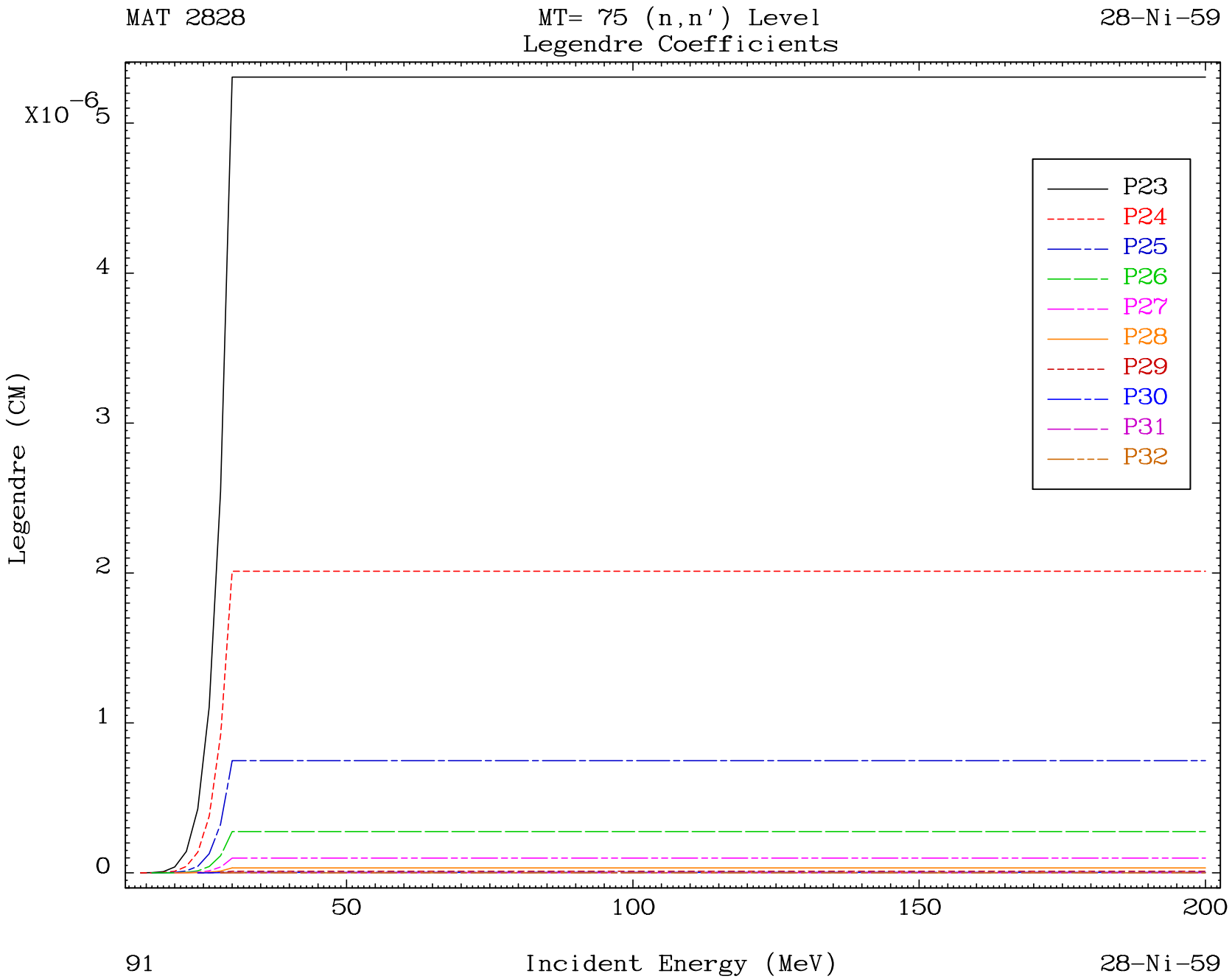

MAT 2828
MT= 74 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
86
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

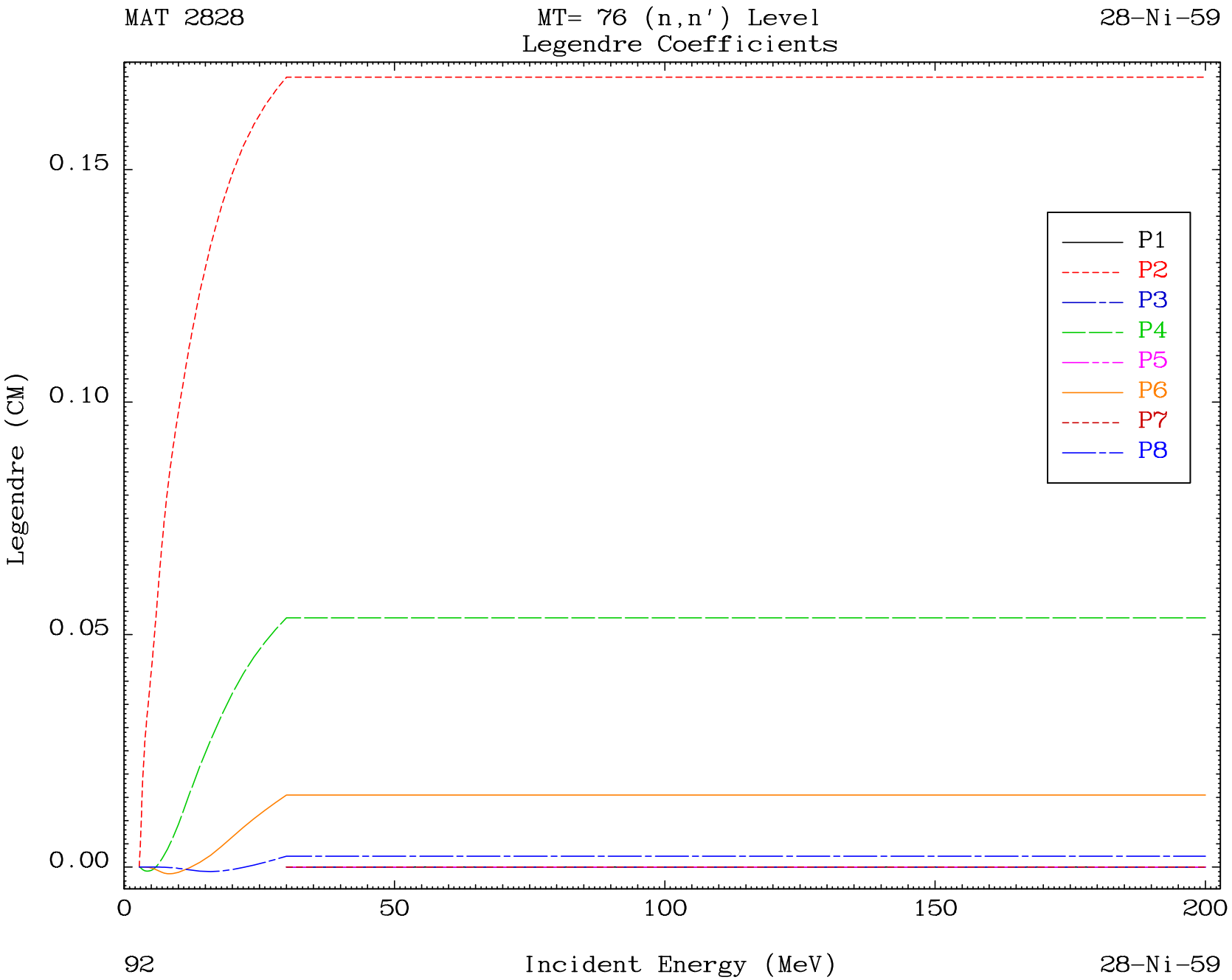

MAT 2828
MT= 74 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.005
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
28-Ni-59

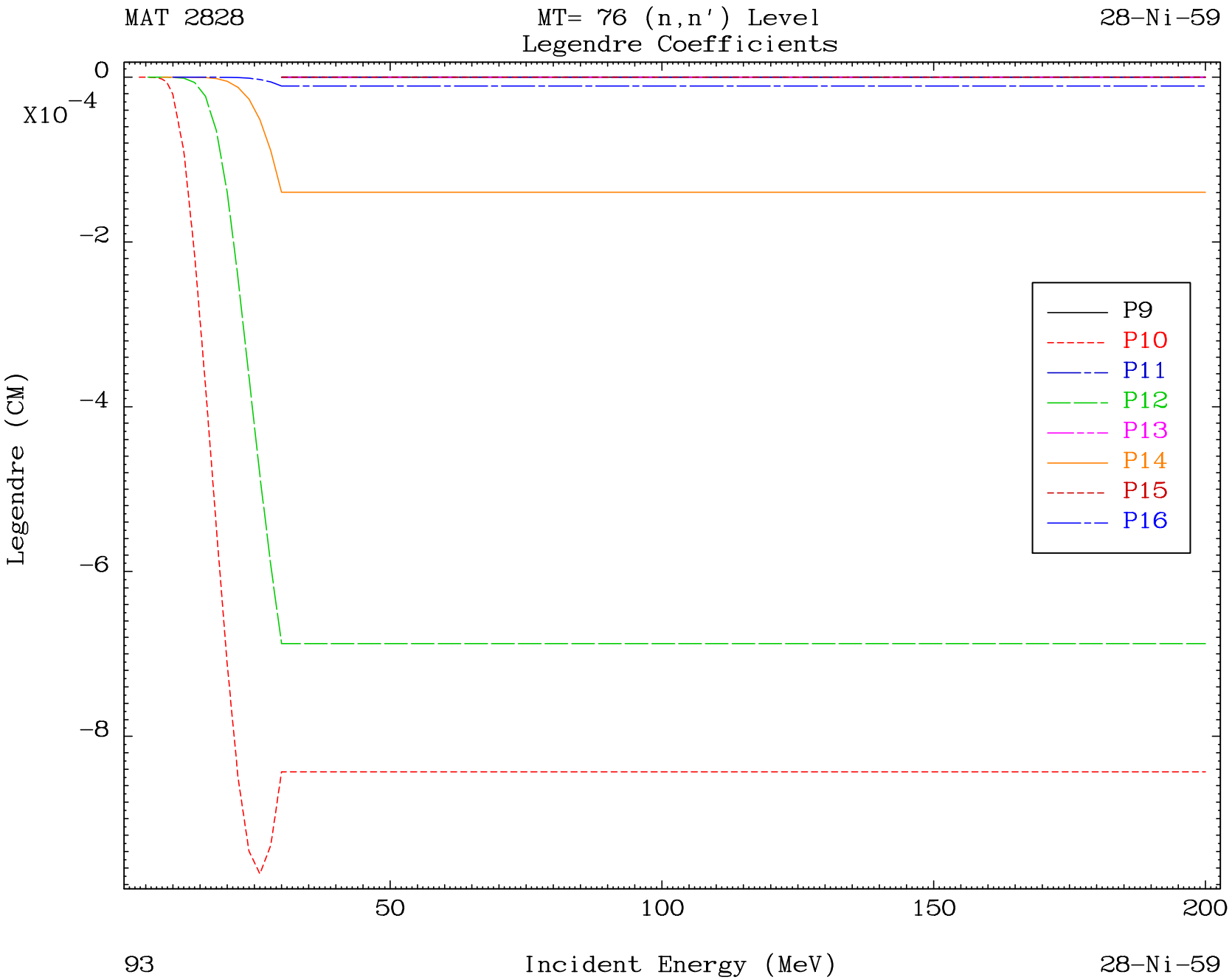

MAT 2828
MT= 74 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
88
Incident Energy (MeV)
28-Ni-59

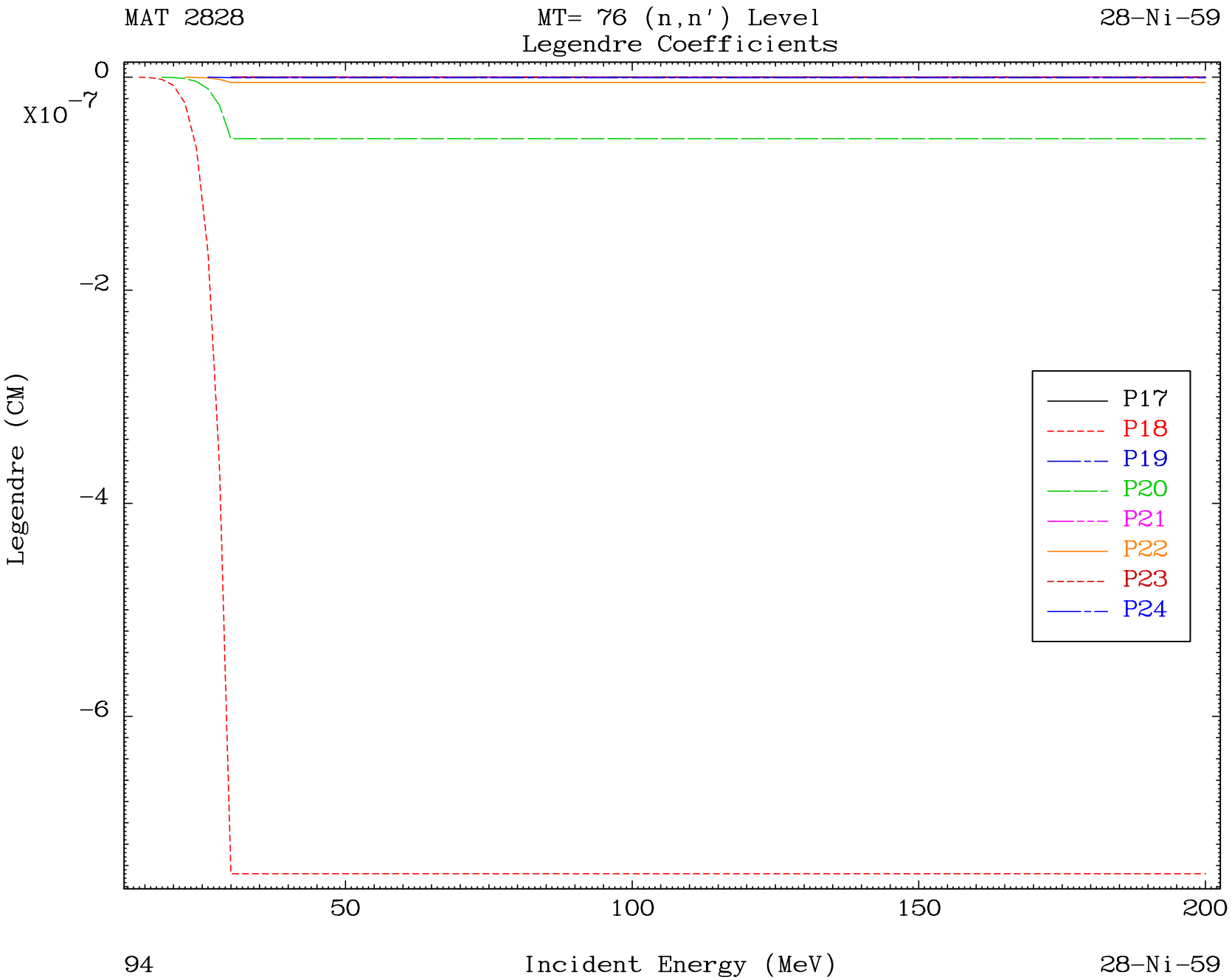

MAT 2828
MT= 75 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
89
Incident Energy (MeV)
28-Ni-59

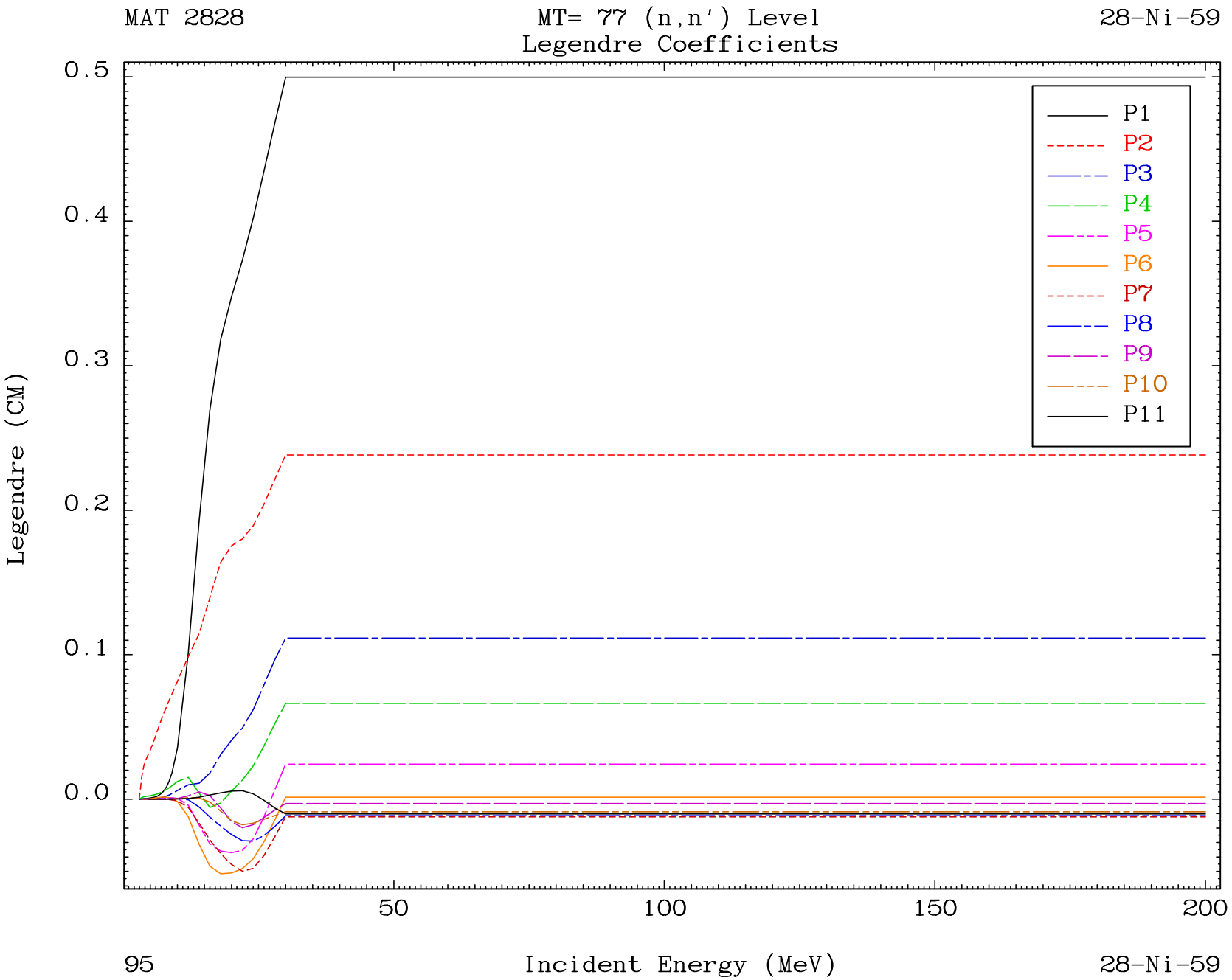

MAT 2828
MT= 75 (n,n') Level
Legendre Coefficients
28-Ni-59
0.005
0.004
0.003
0.002
0.001
0.000
-0.001
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
90
Incident Energy (MeV)
28-Ni-59

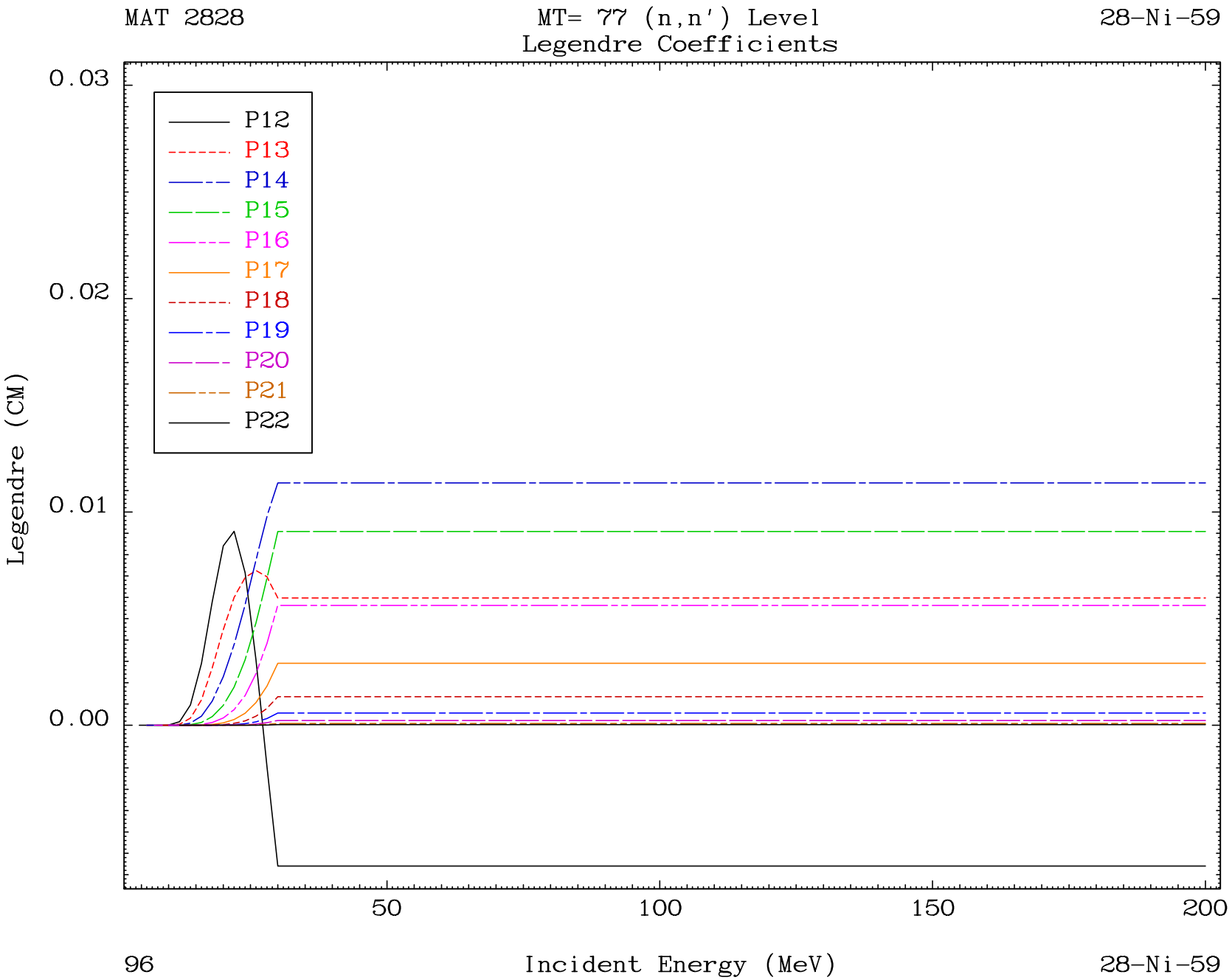

MAT 2828
MT= 75 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -6
5
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
91
Incident Energy (MeV)
28-Ni-59

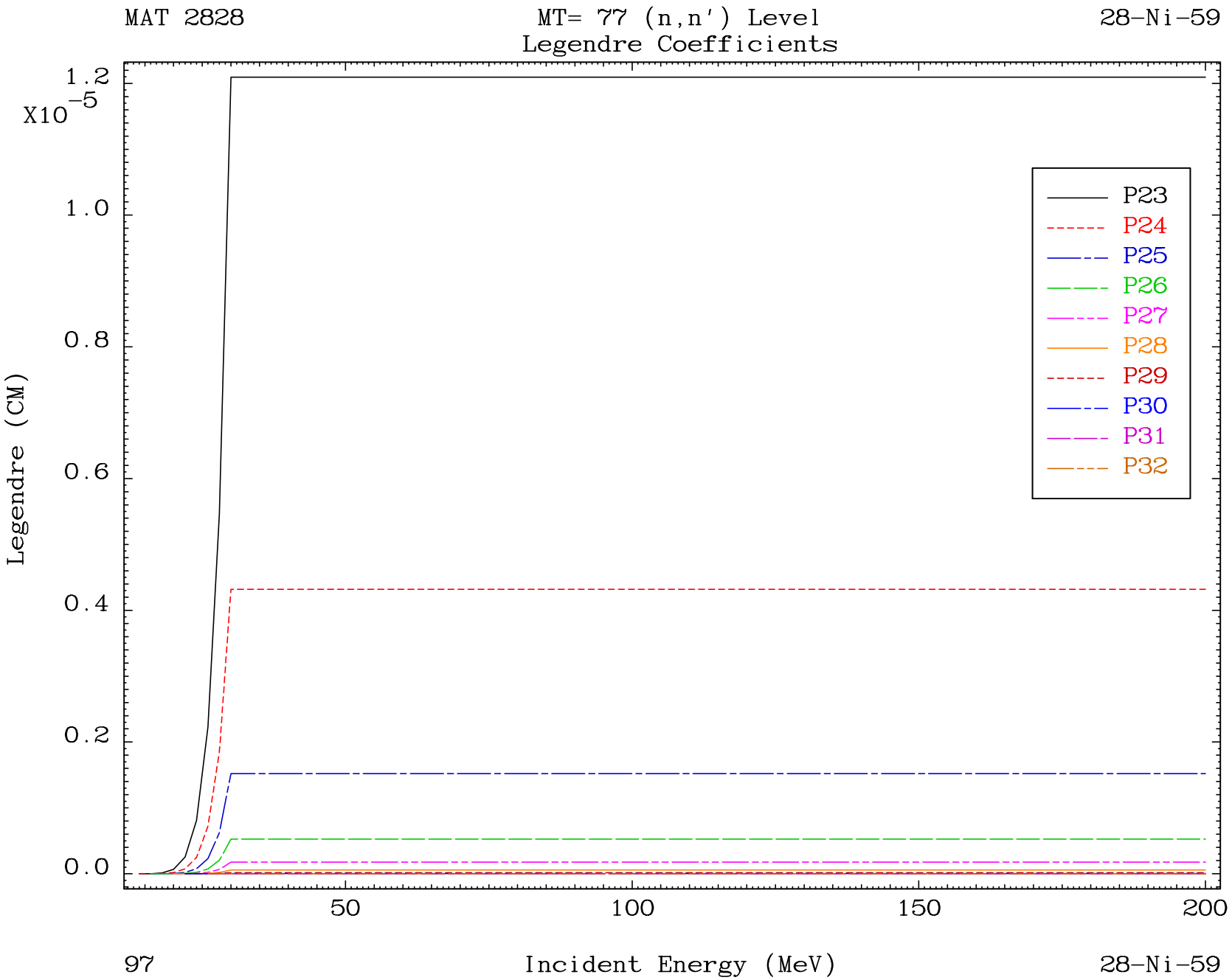

MAT 2828
MT= 76 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
92
Incident Energy (MeV)
28-Ni-59

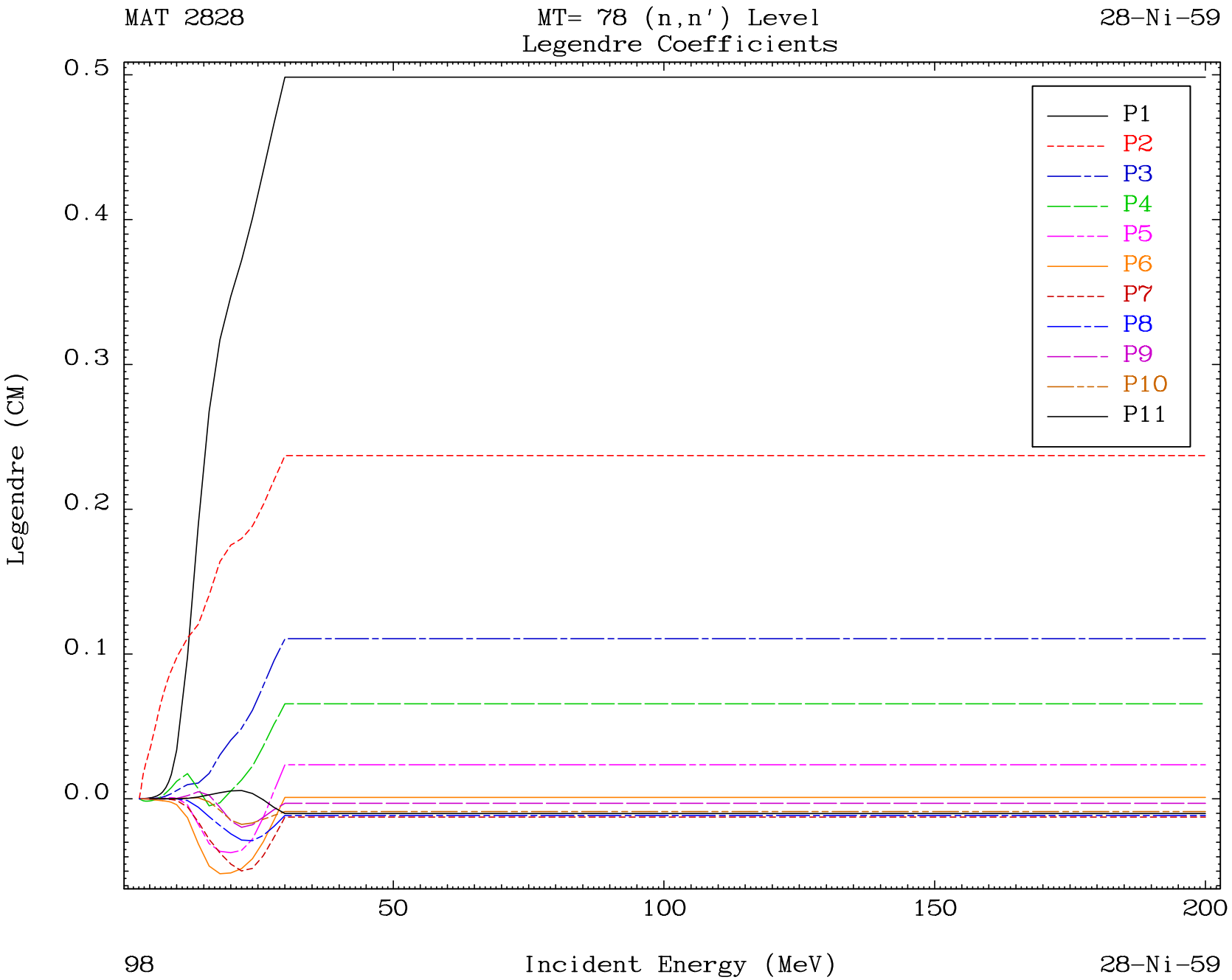

MAT 2828
MT= 76 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10^-4
-2
-4
-6
-8
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
93
Incident Energy (MeV)
28-Ni-59

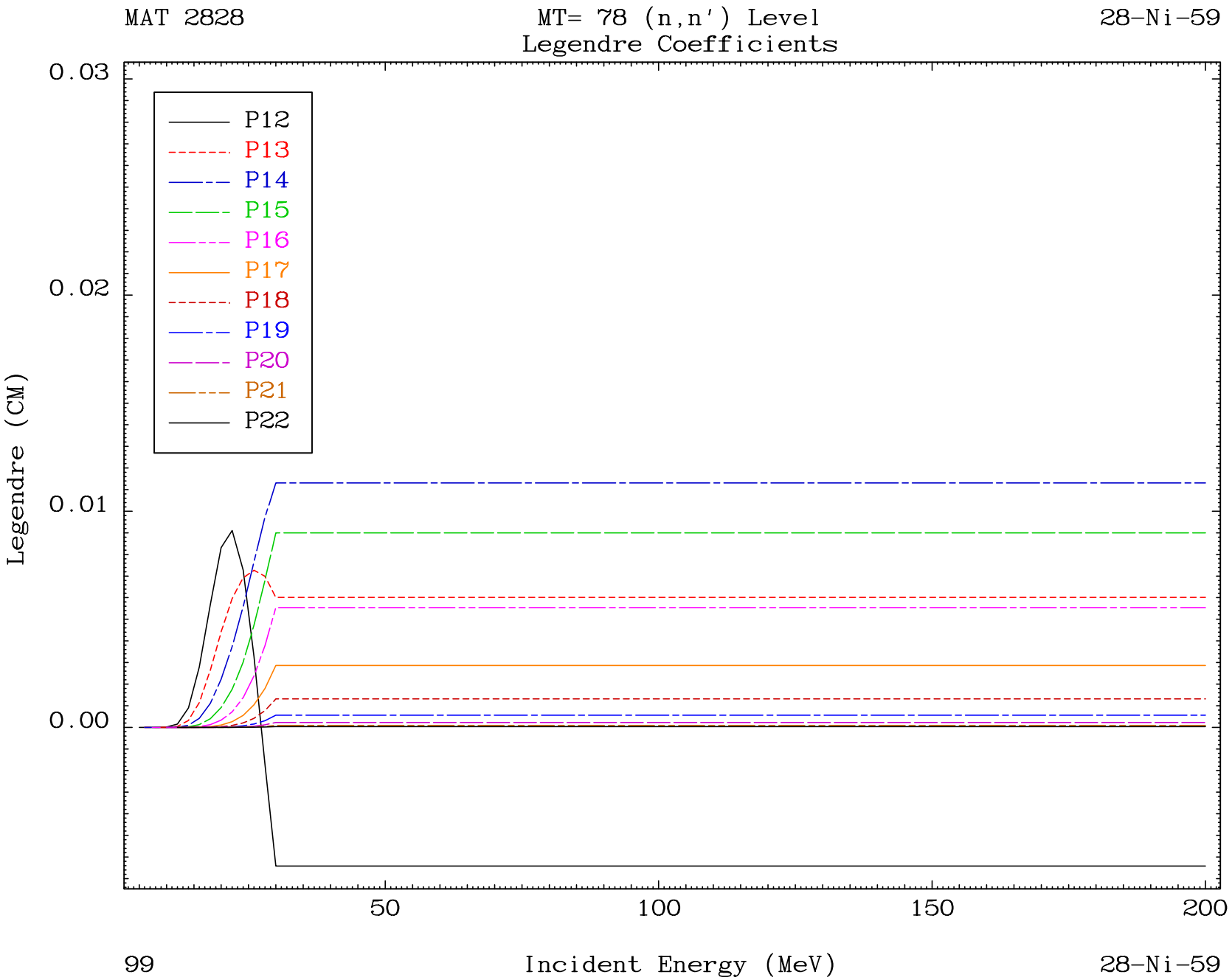

MAT 2828
MT= 76 (n,n') Level
Legendre Coefficients
28-Ni-59
0
X10^-7
-2
-4
-6
Legendre (CM)
50
100
150
200
94
Incident Energy (MeV)
28-Ni-59
P17
P18
P19
P20
P21
P22
P23
P24

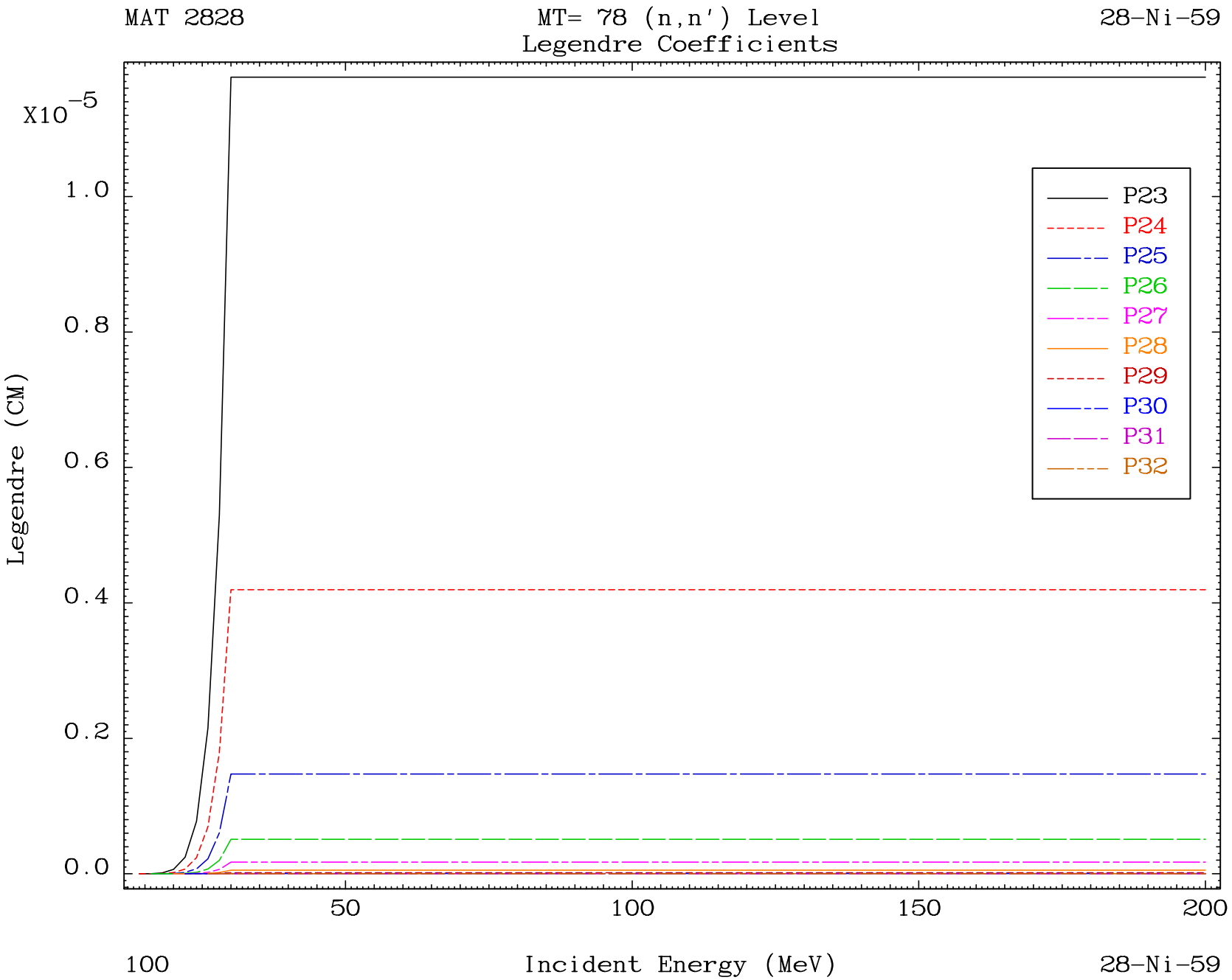

MAT 2828
MT= 77 (n,n') Level
Legendre Coefficients
28-Ni-59
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
50
100
150
200
95
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

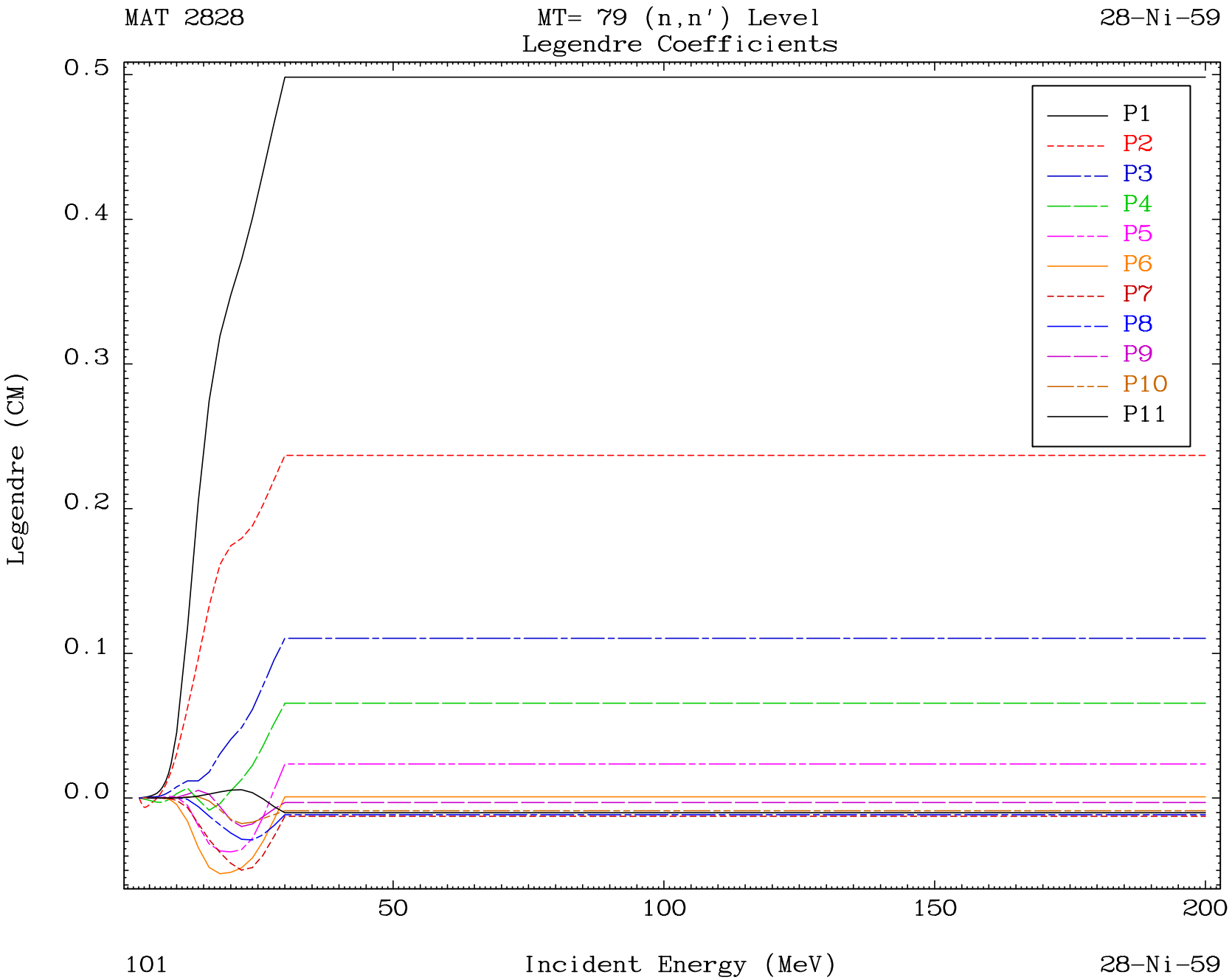

MAT 2828
MT= 77 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
96
Incident Energy (MeV)
28-Ni-59

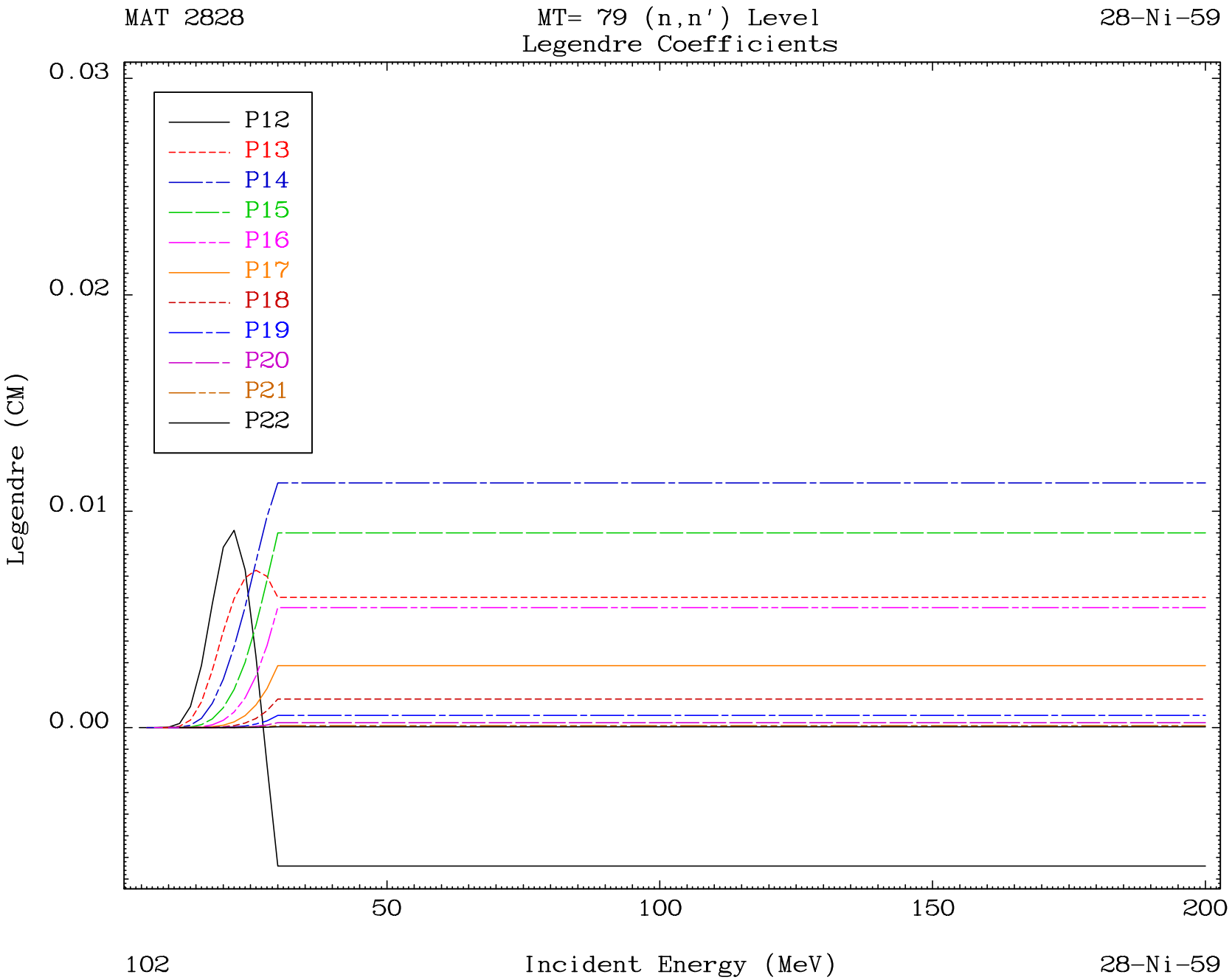

MAT 2828
MT= 77 (n,n') Level
Legendre Coefficients
28-Ni-59
X10 -5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
97
Incident Energy (MeV)
28-Ni-59
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

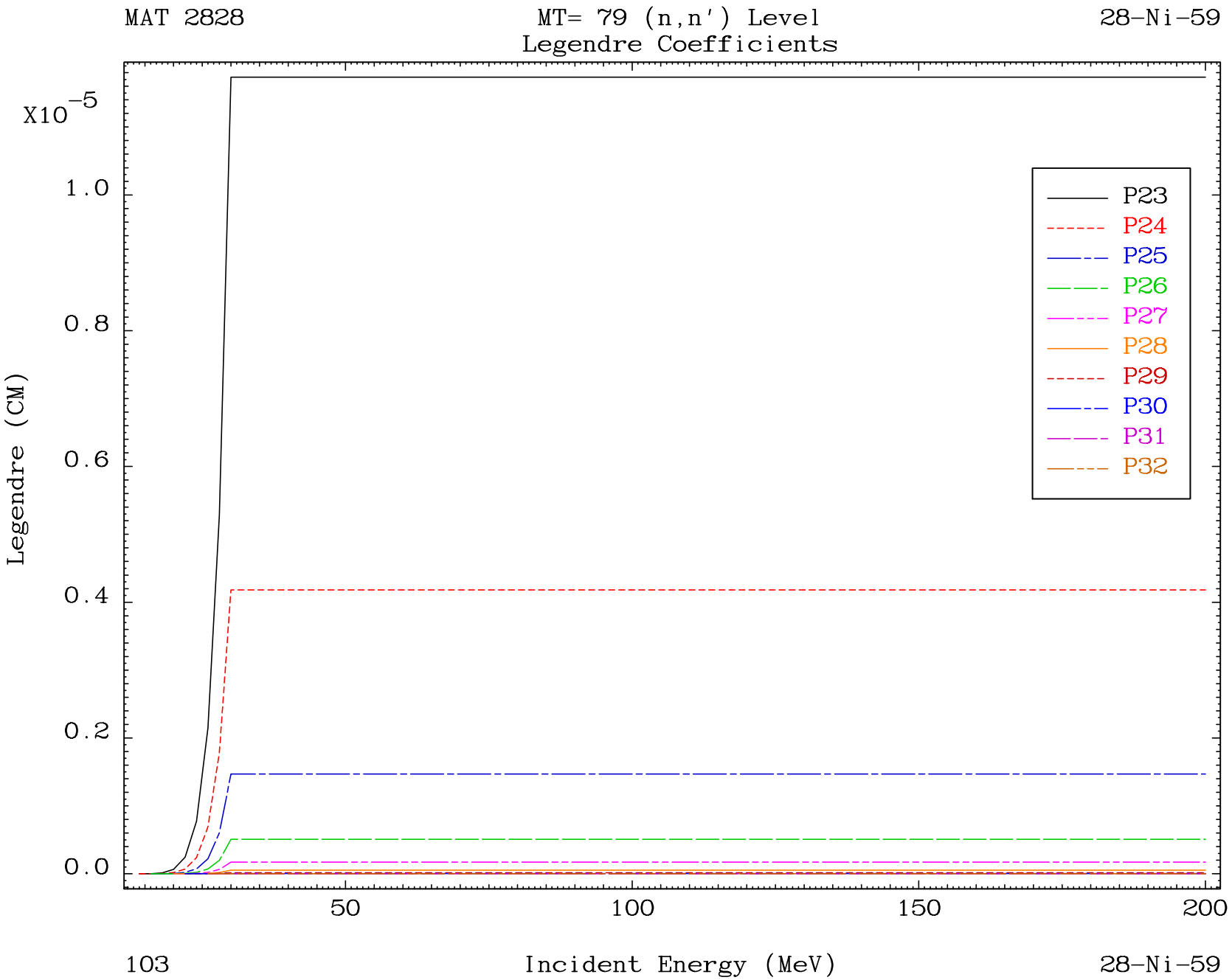

MAT 2828
MT= 78 (n,n') Level
Legendre Coefficients
28-Ni-59
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

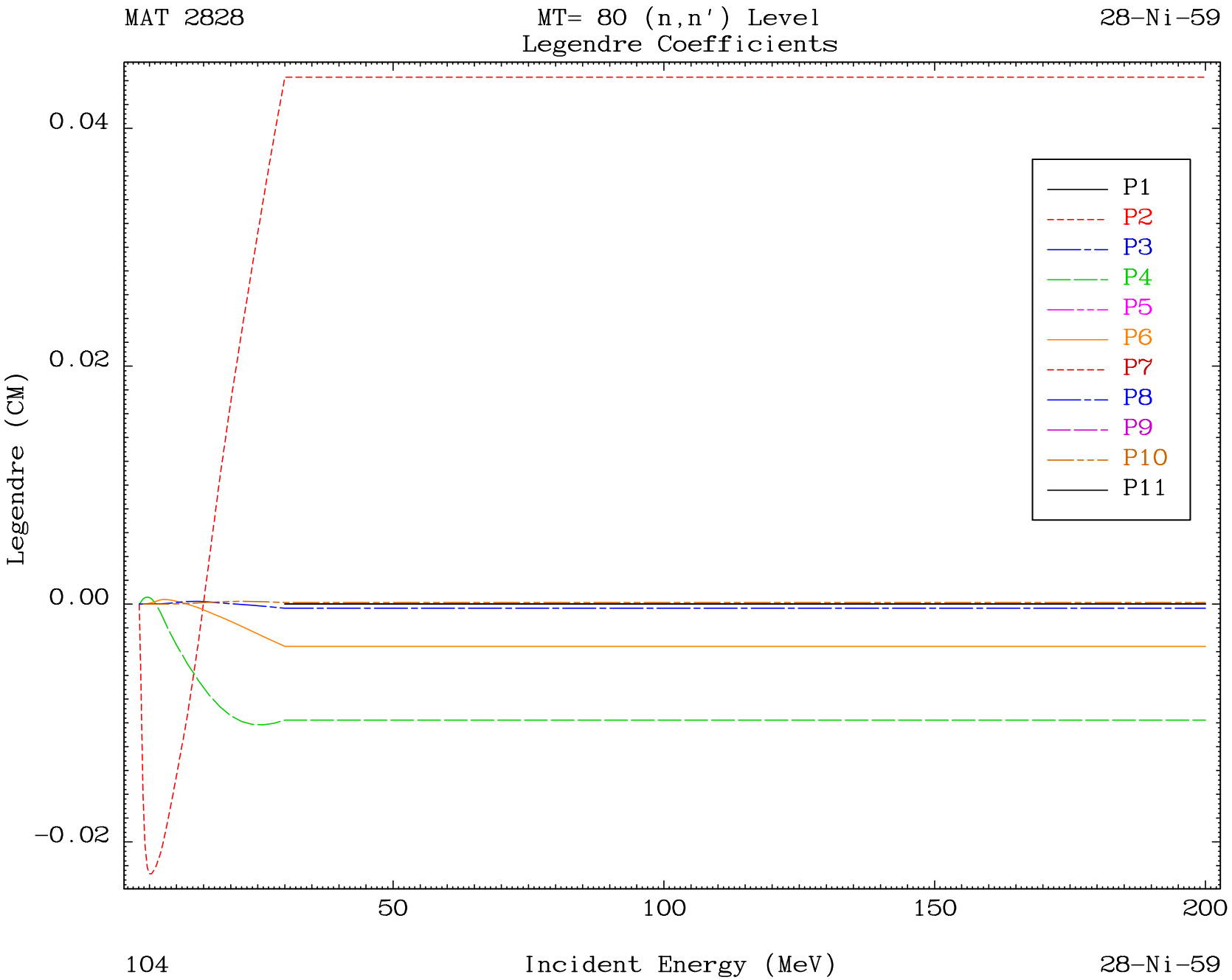

MAT 2828
MT= 78 (n,n') Level
Legendre Coefficients
28-Ni-59
0.03
0.02
0.01
0.00
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
99
Incident Energy (MeV)
28-Ni-59

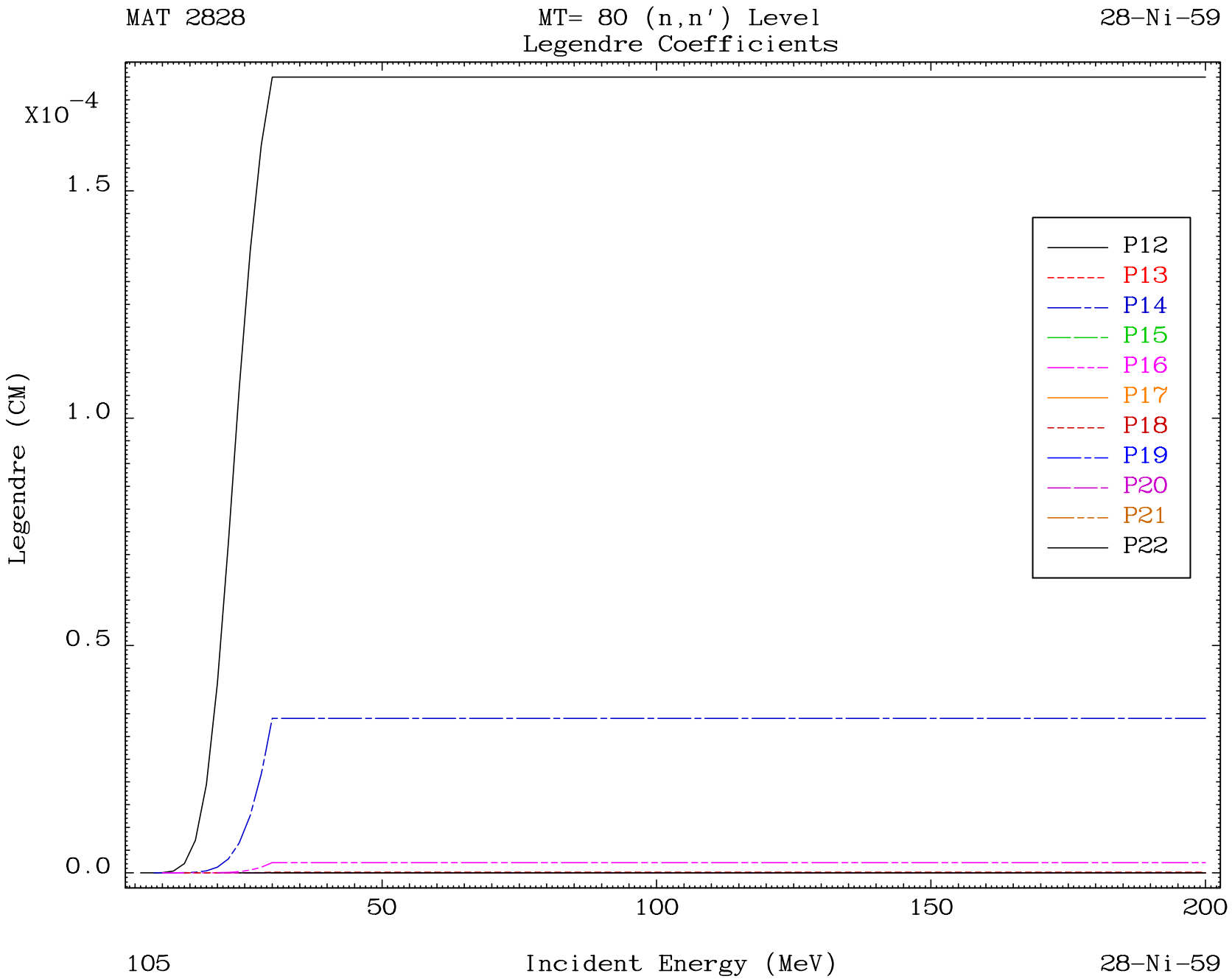

MAT 2828
MT= 78 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
100
Incident Energy (MeV)
28-Ni-59

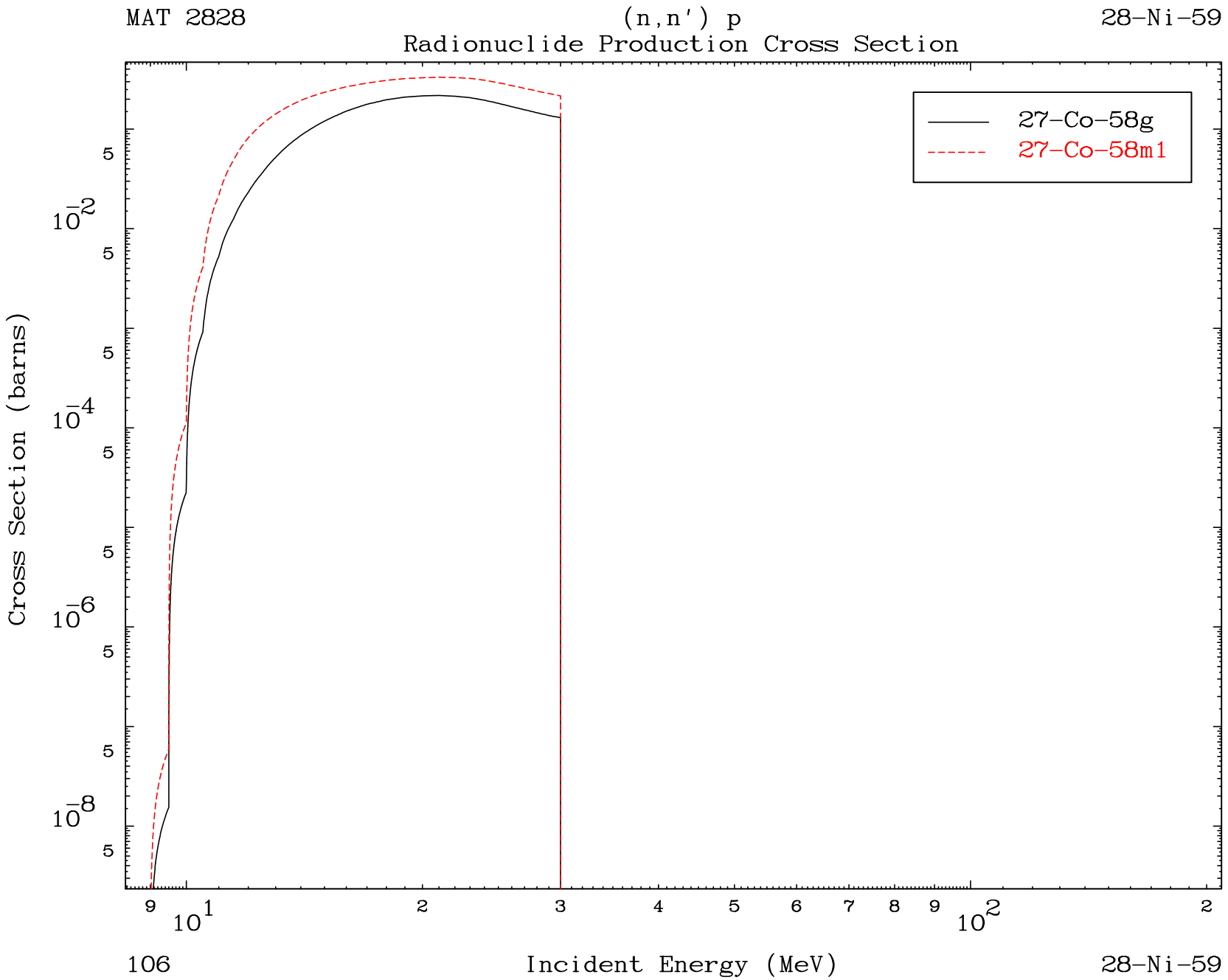

MAT 2828
MT= 79 (n,n') Level
Legendre Coefficients
28-Ni-59
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
50
100
150
200
101
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

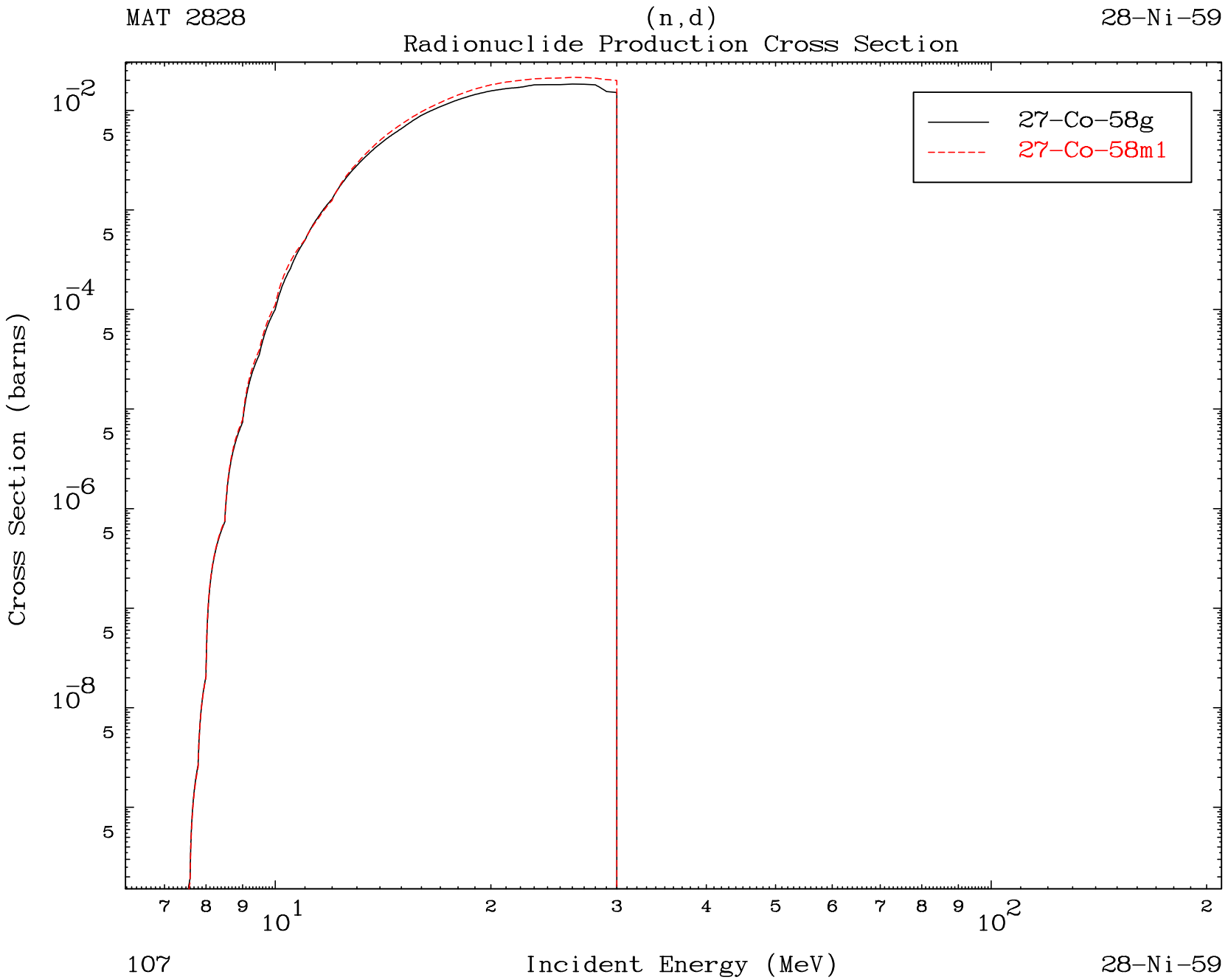

MAT 2828
MT= 79 (n,n') Level
Legendre Coefficients
28-Ni-59
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
102
Incident Energy (MeV)
28-Ni-59


MAT 2828
MT= 79 (n,n') Level
Legendre Coefficients
28-Ni-59
X10-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
103
Incident Energy (MeV)
28-Ni-59


MAT 2828
MT= 80 (n,n') Level
Legendre Coefficients
28-Ni-59
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
104
Incident Energy (MeV)
28-Ni-59
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11


MAT 2828
MT= 80 (n,n') Level
Legendre Coefficients
28-Ni-59
X10^-4
1.5
1.0
0.5
0.0
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
105
Incident Energy (MeV)
28-Ni-59


MAT 2828
(n,n') p
28-Ni-59
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
106
Incident Energy (MeV)
28-Ni-59


MAT 2828
(n,d)
28-Ni-59
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
Incident Energy (MeV)
107
28-Ni-59