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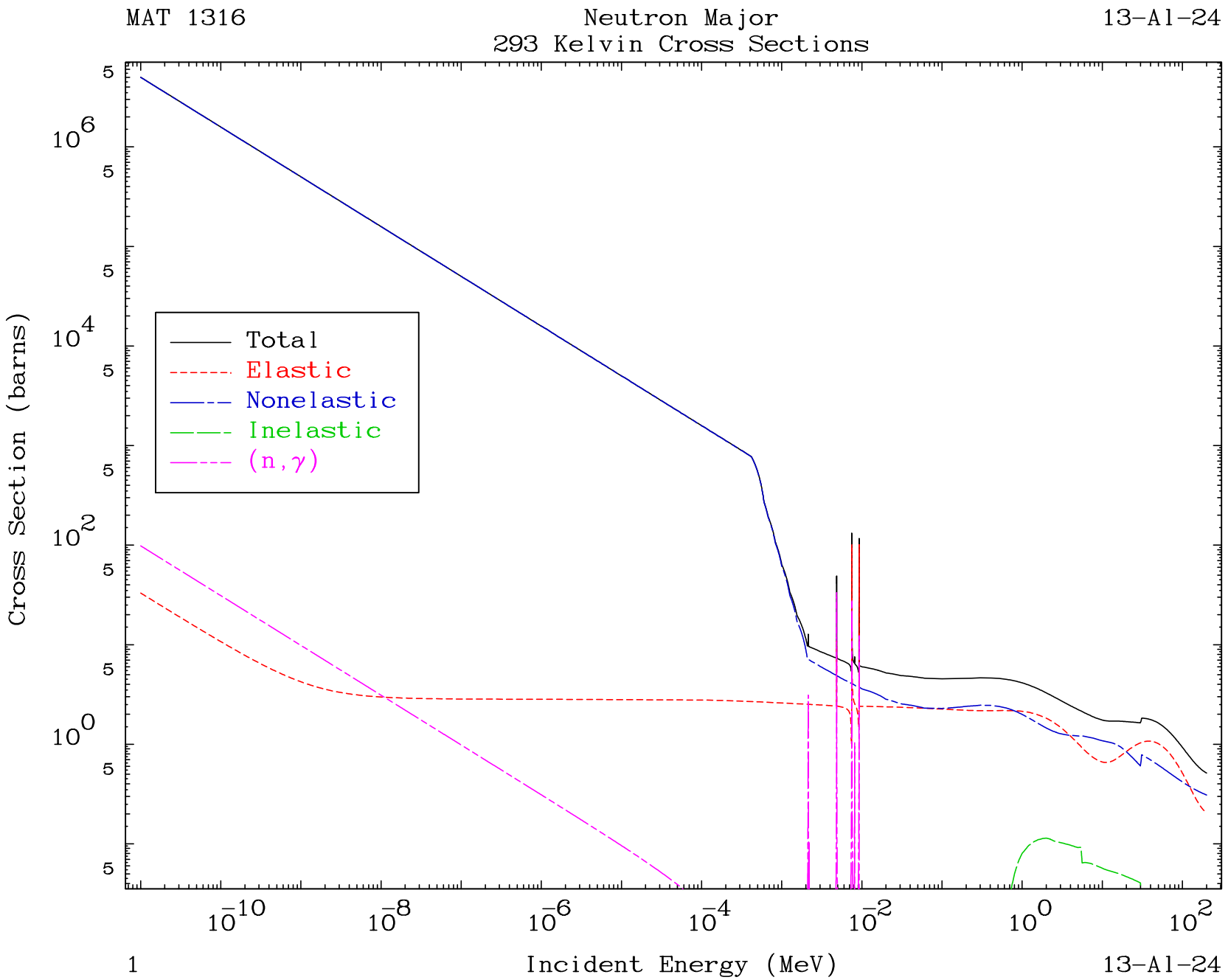
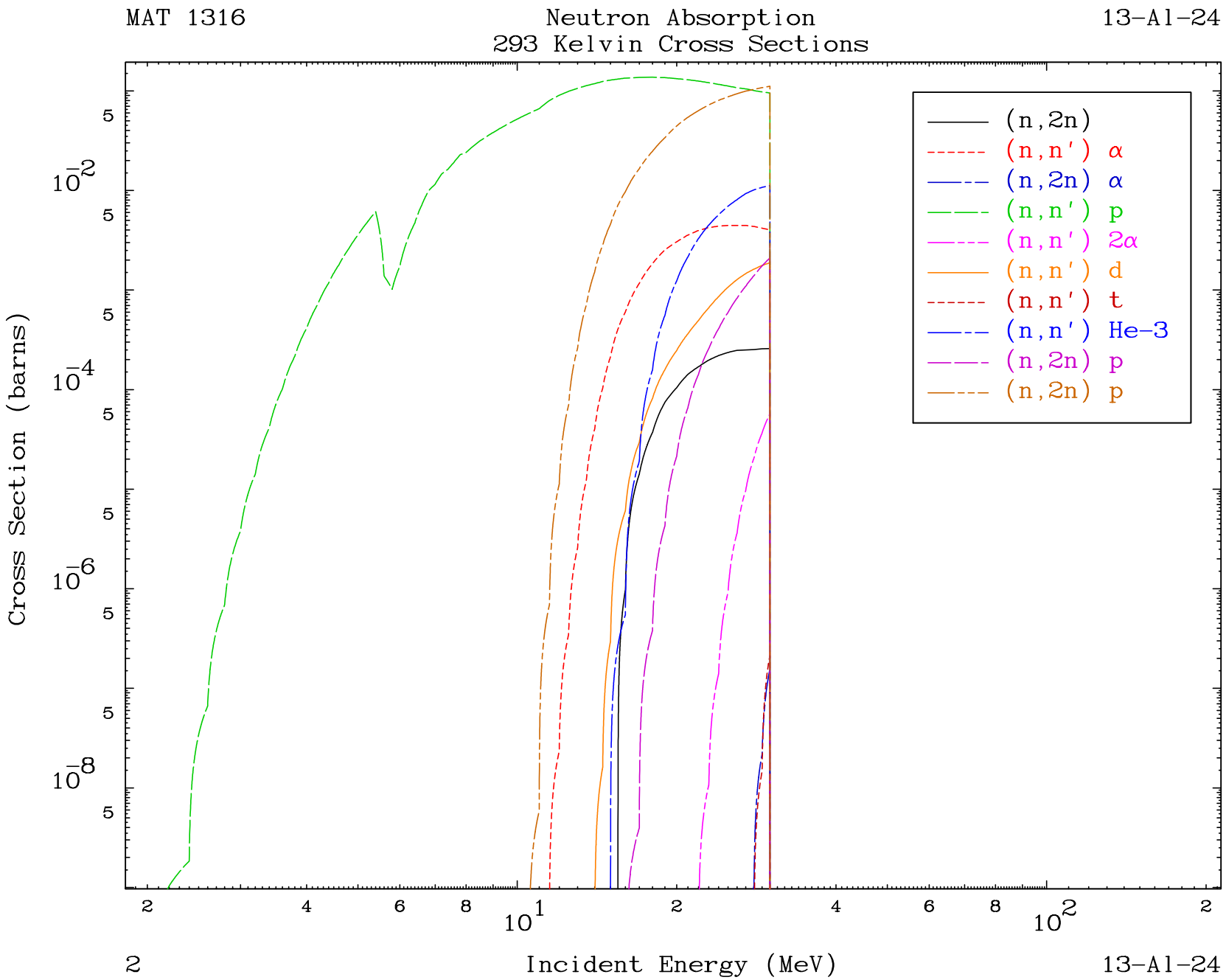
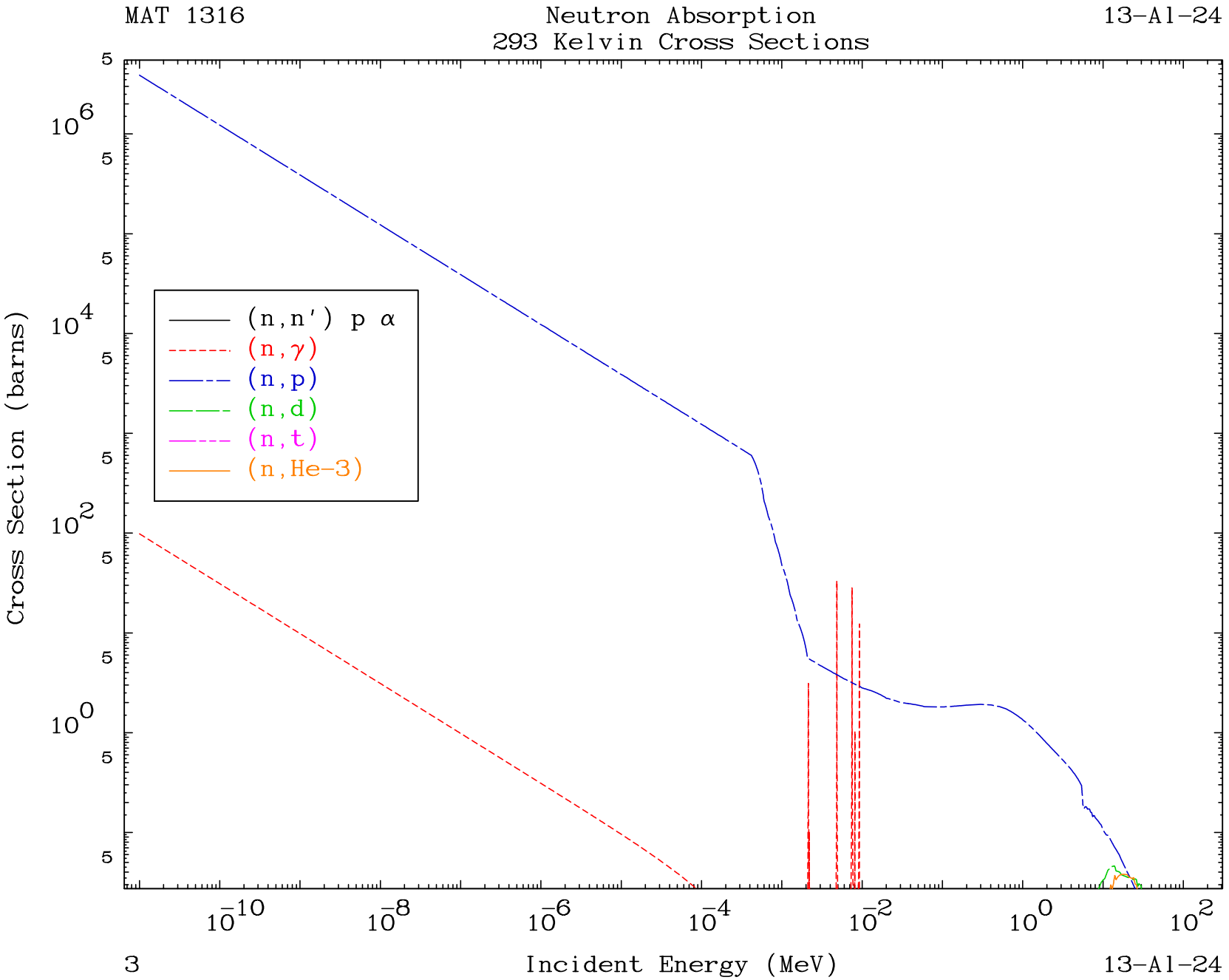
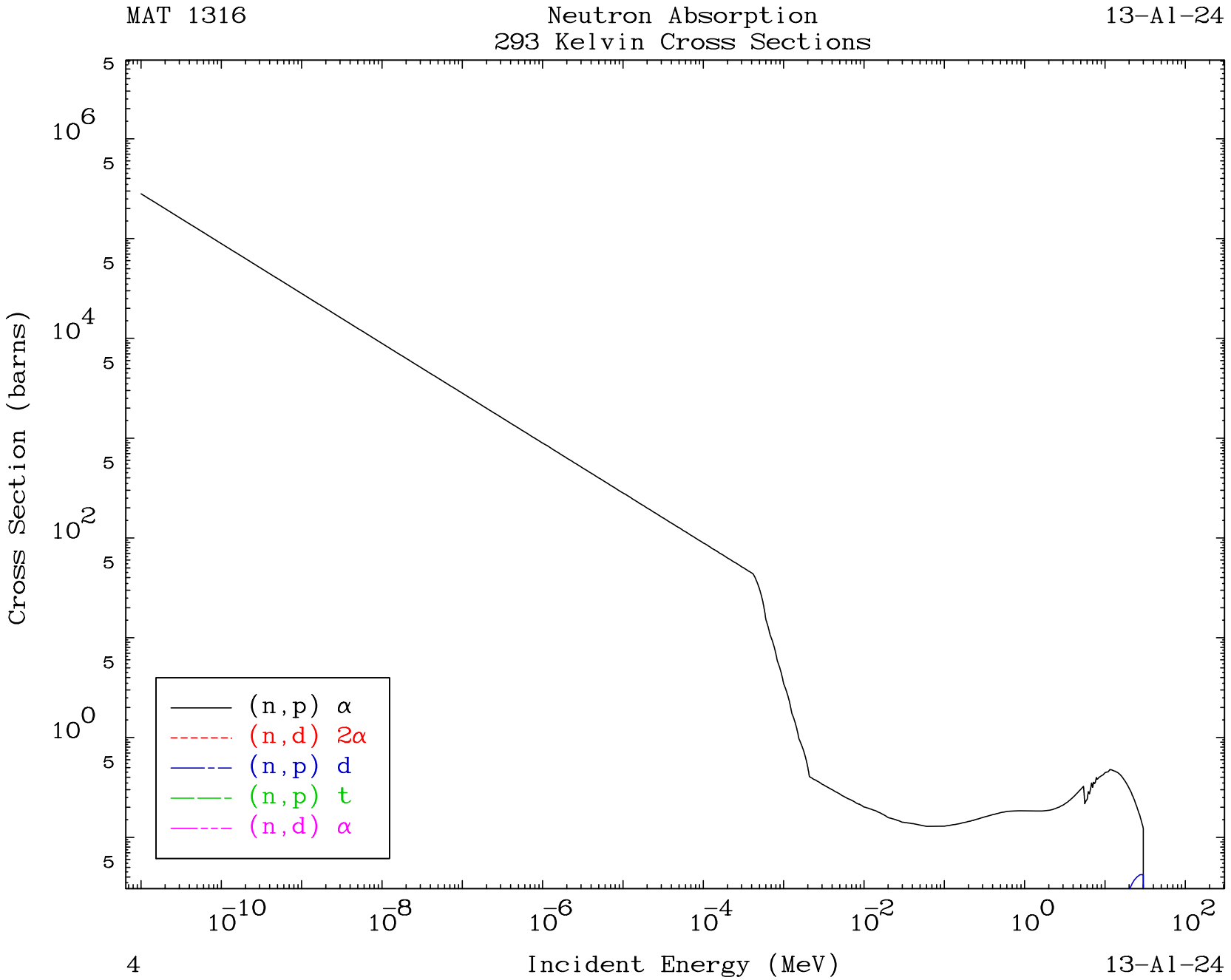
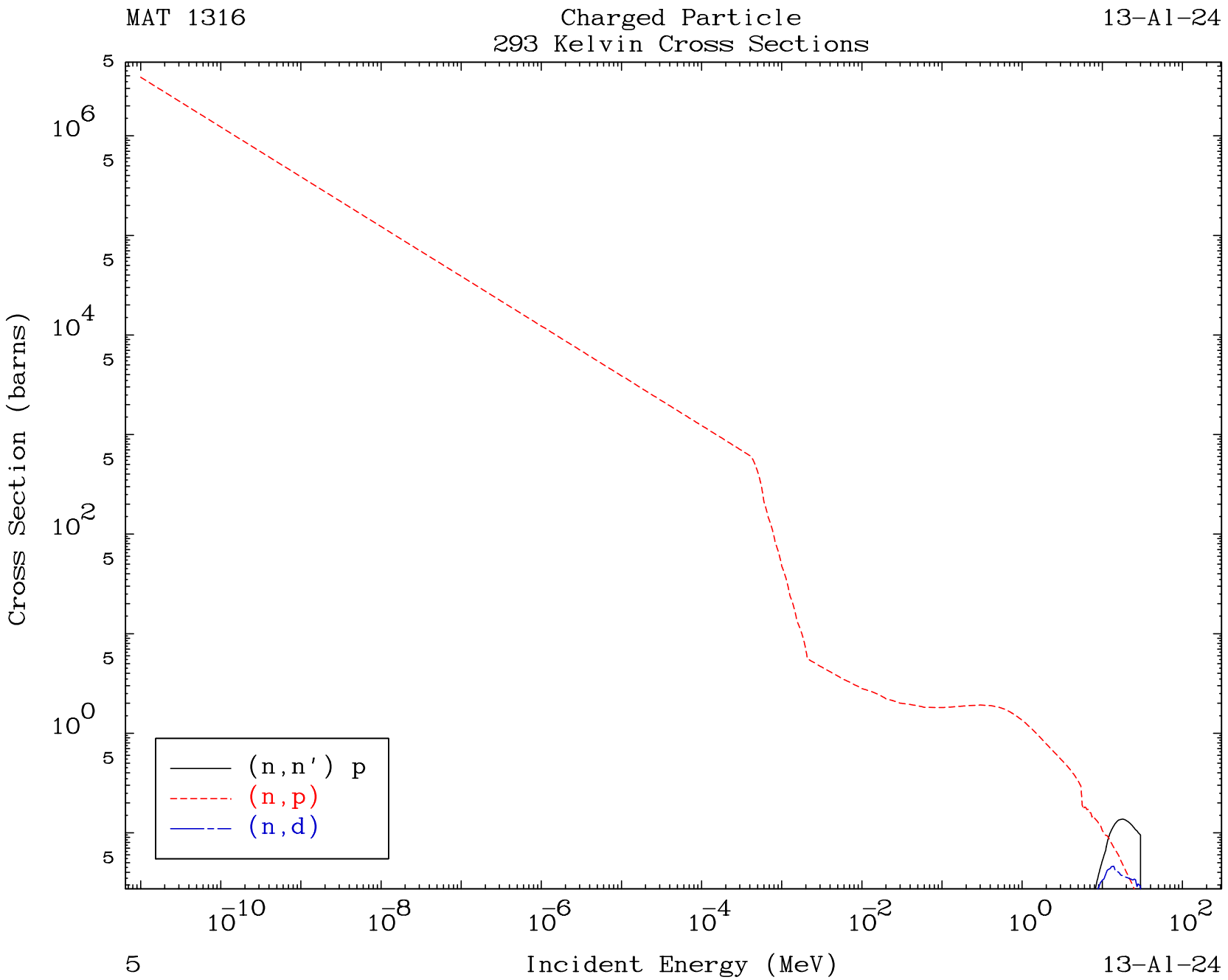
Press Mouse Button to Start

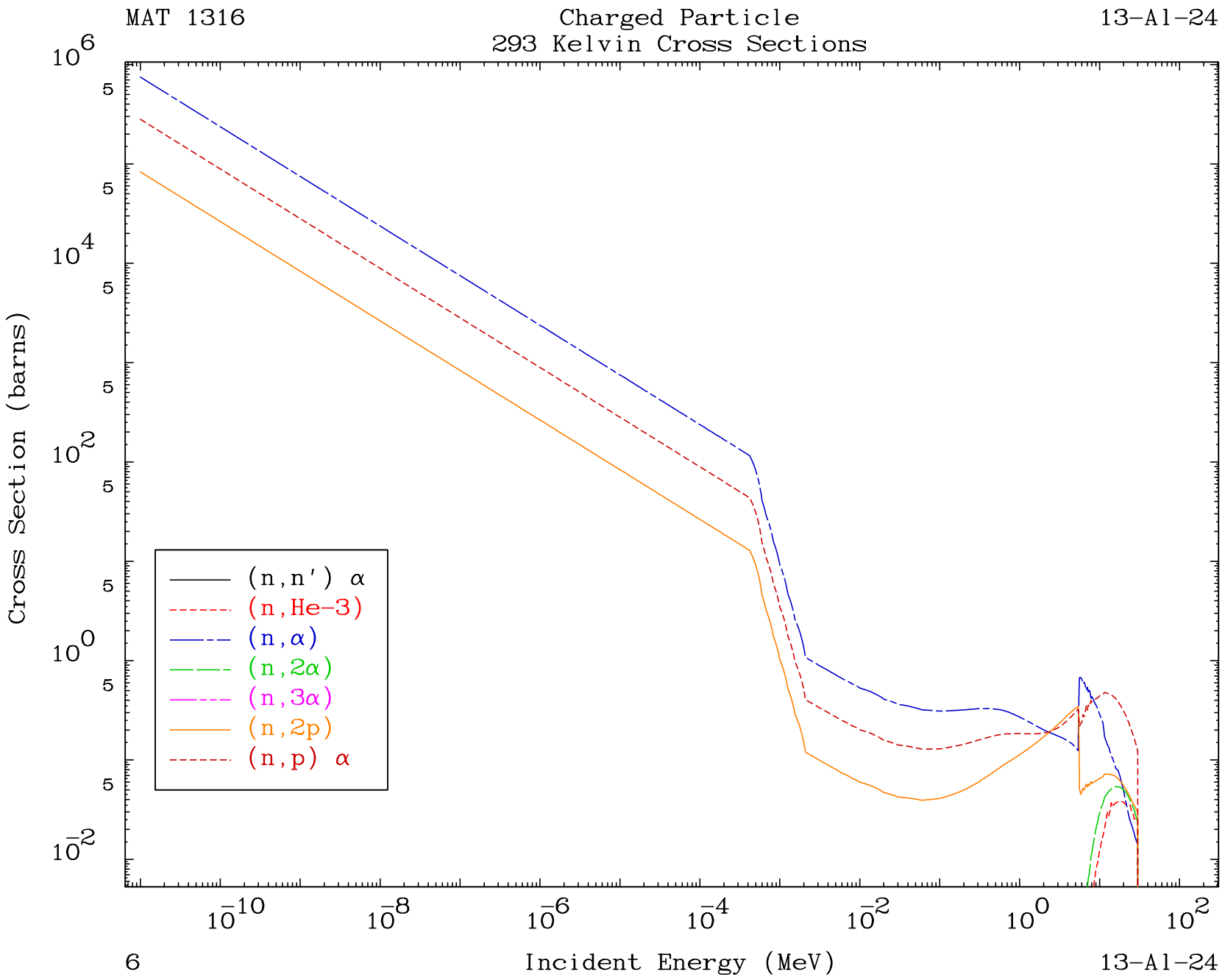

MAT 1316
Neutron Major
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Total
Elastic
Nonelastic
Inelastic
(n,γ)
Incident Energy (MeV)
13-Al-24
1

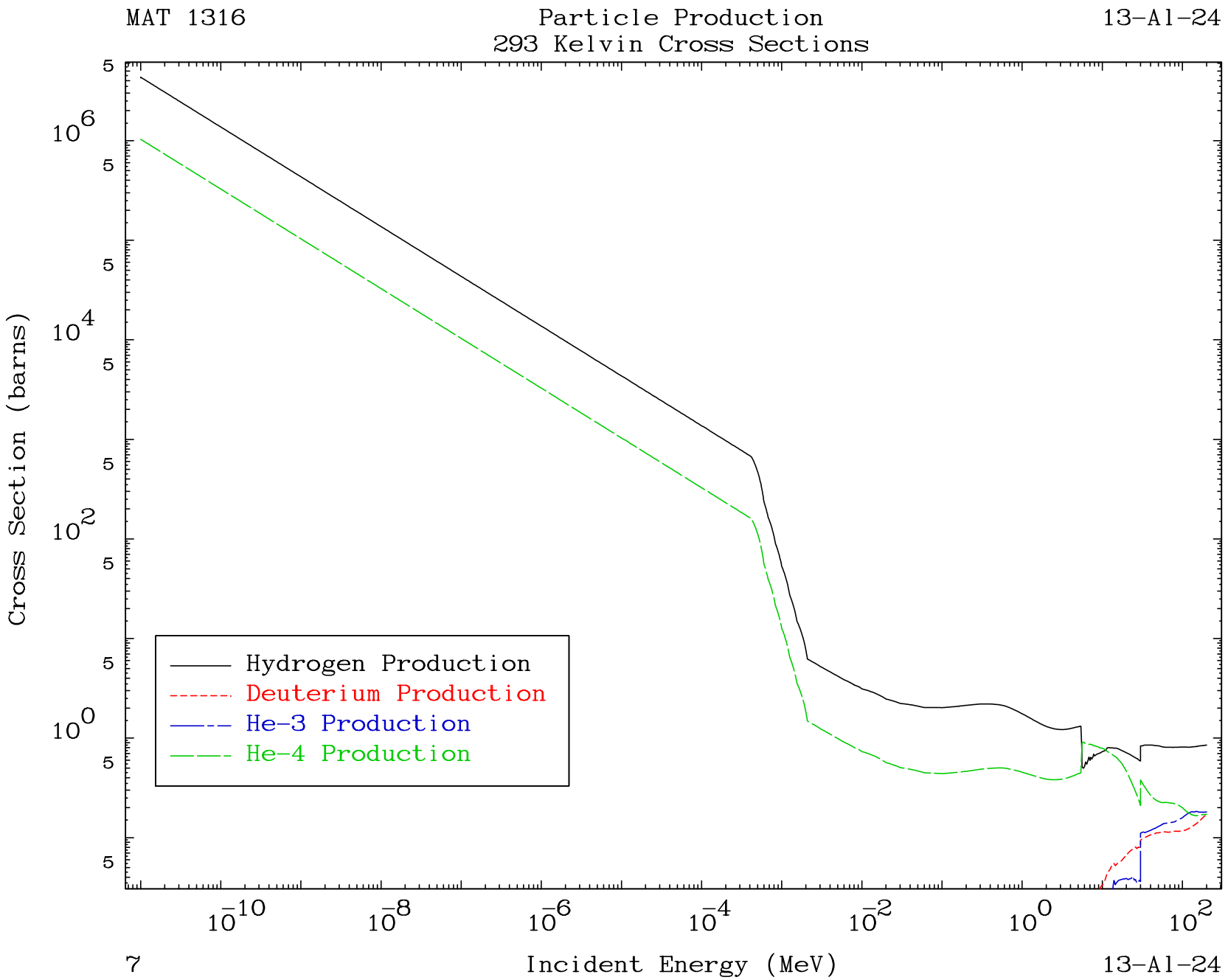

MAT 1316
Neutron Absorption
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
13-Al-24
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,2n) p

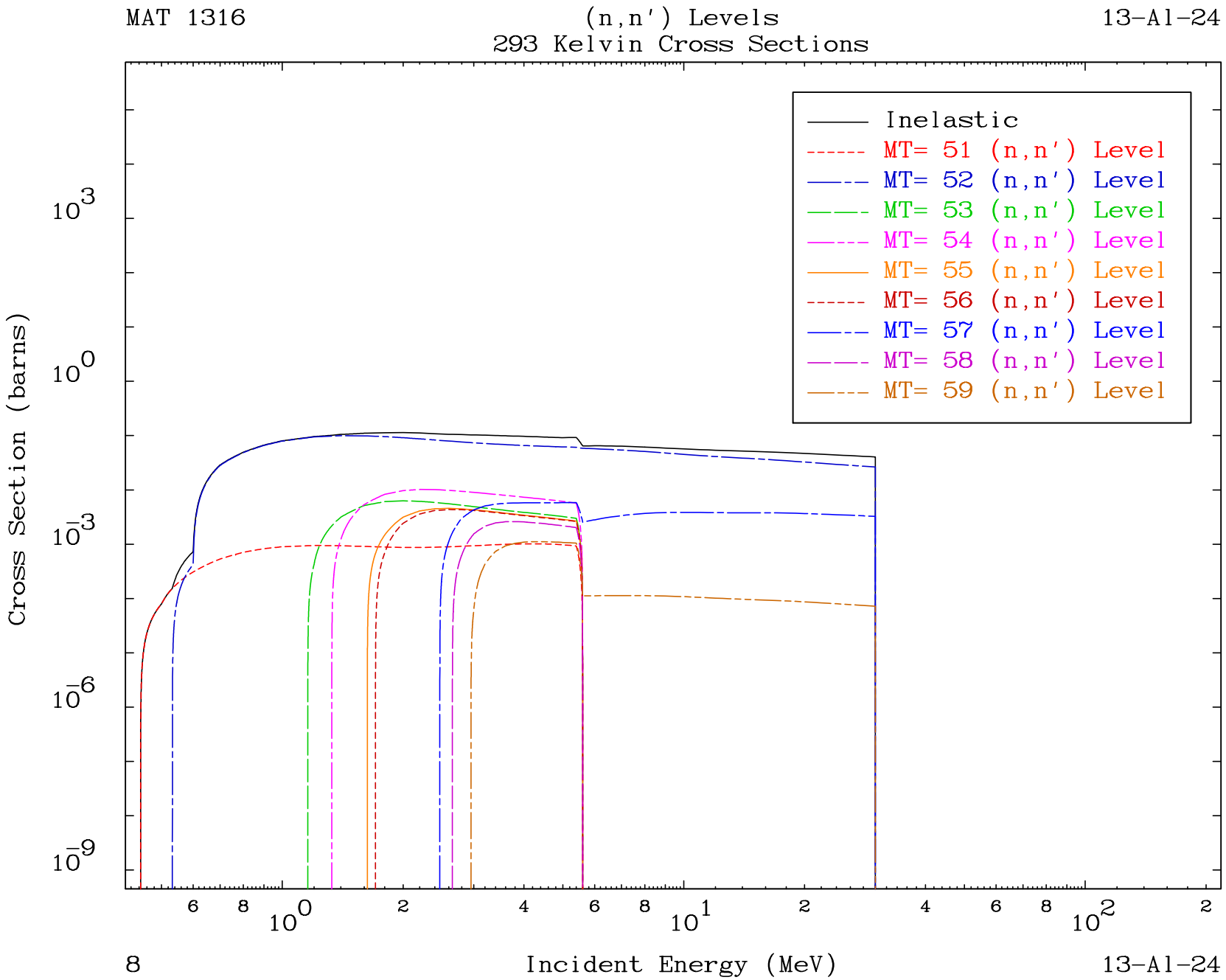

MAT 1316
Neutron Absorption
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
3
13-Al-24

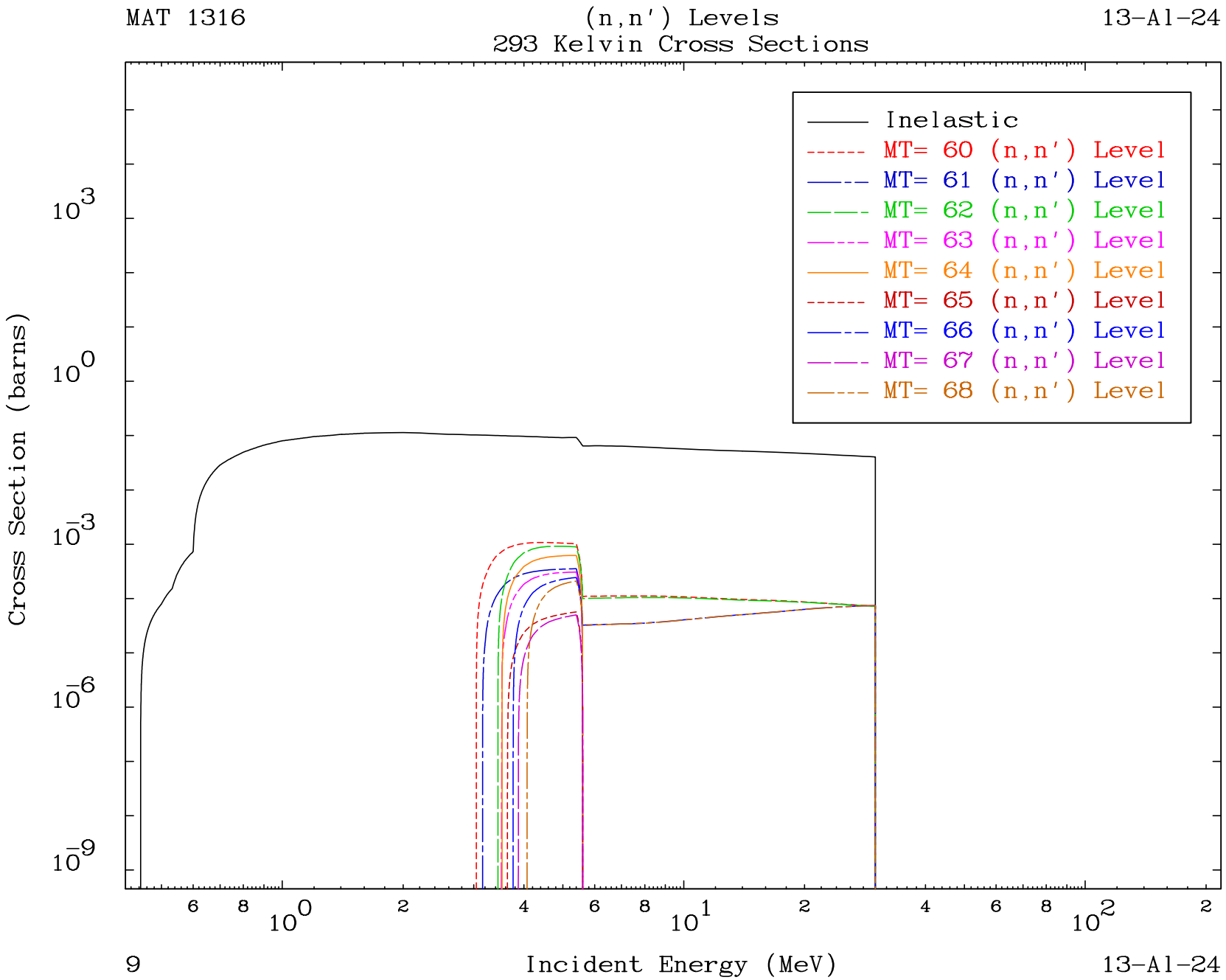

MAT 1316
Neutron Absorption
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
4
13-Al-24

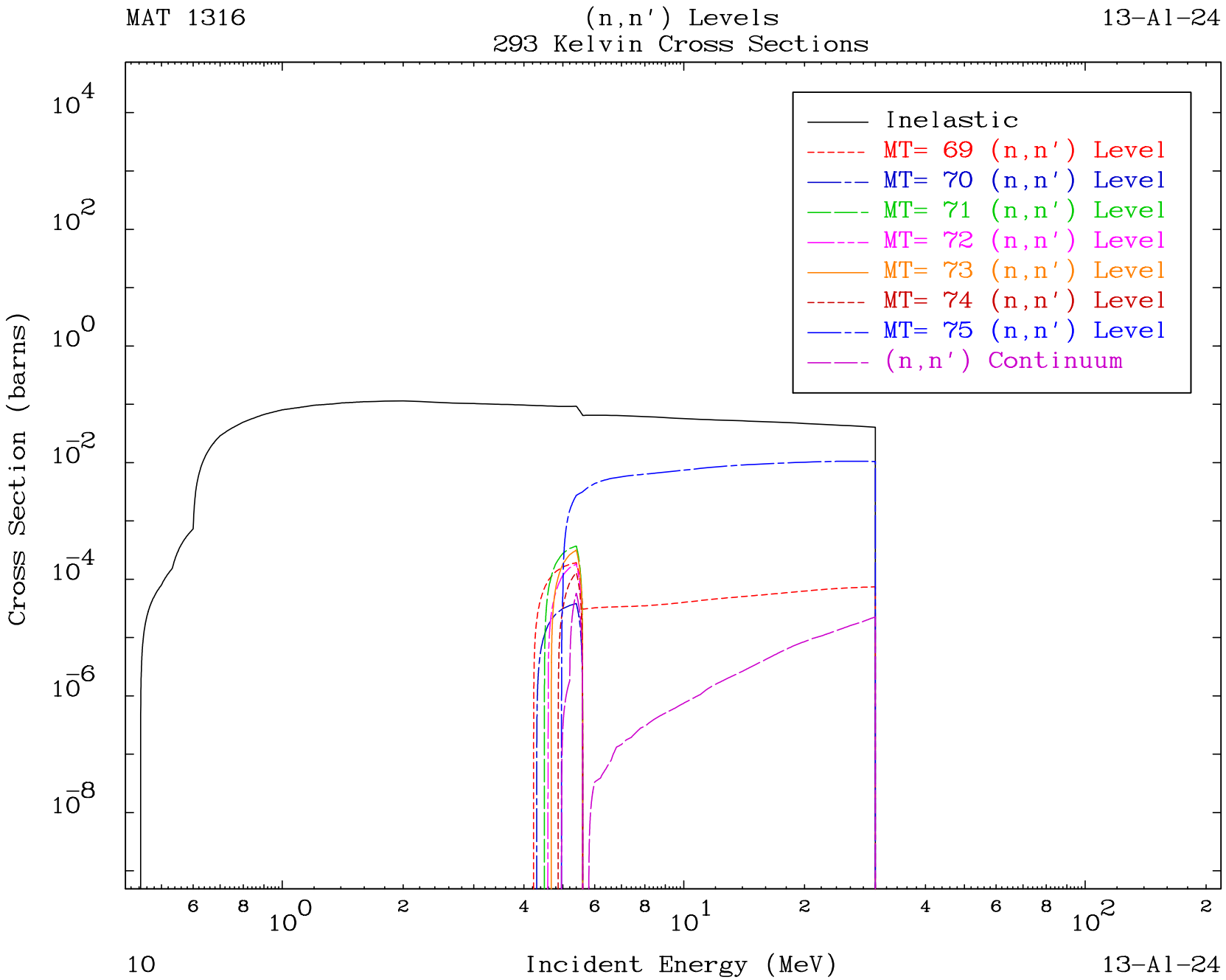

MAT 1316
Charged Particle
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
13-Al-24
(n,n') p
(n,p)
(n,d)

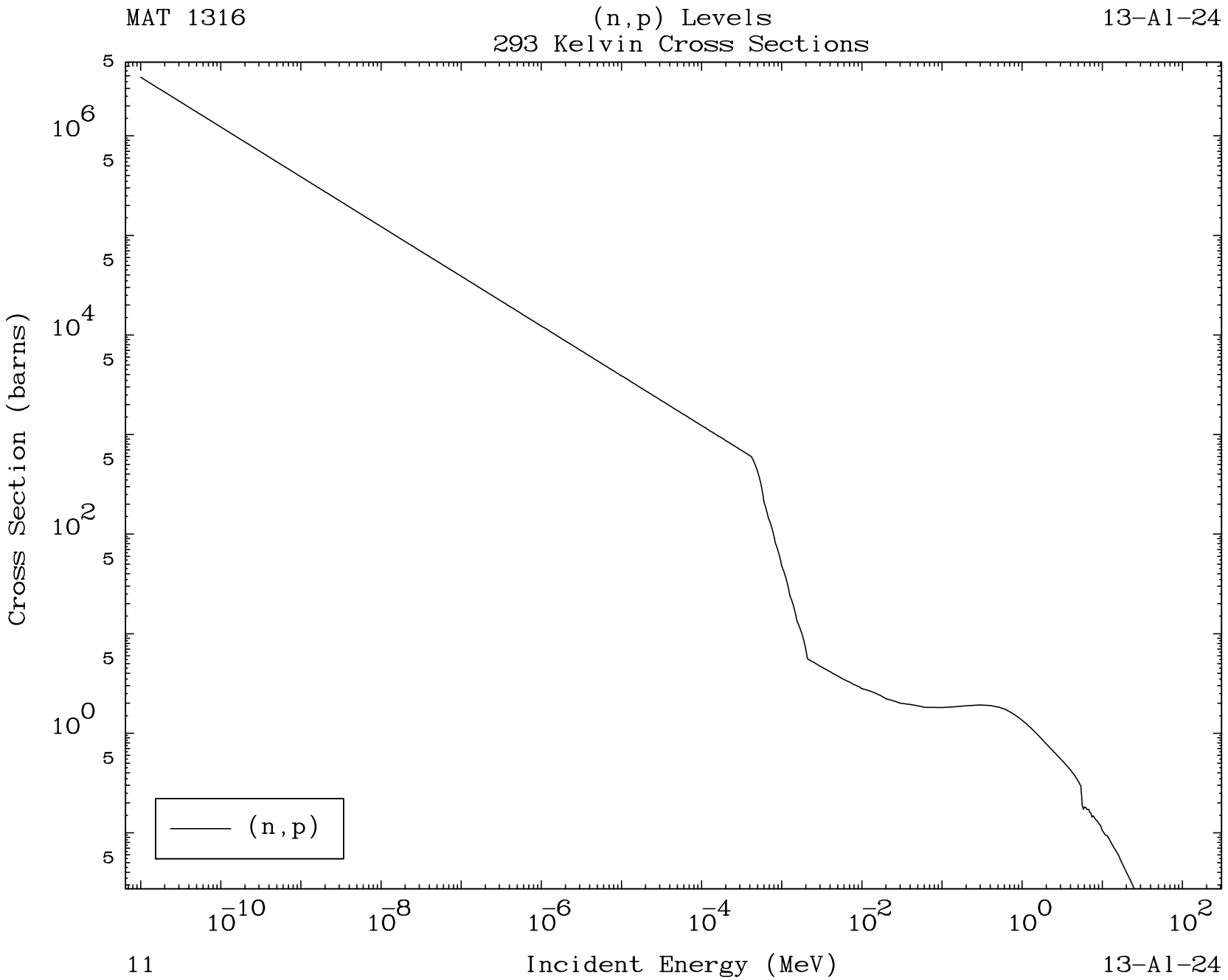

MAT 1316
Charged Particle
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
6
13-Al-24

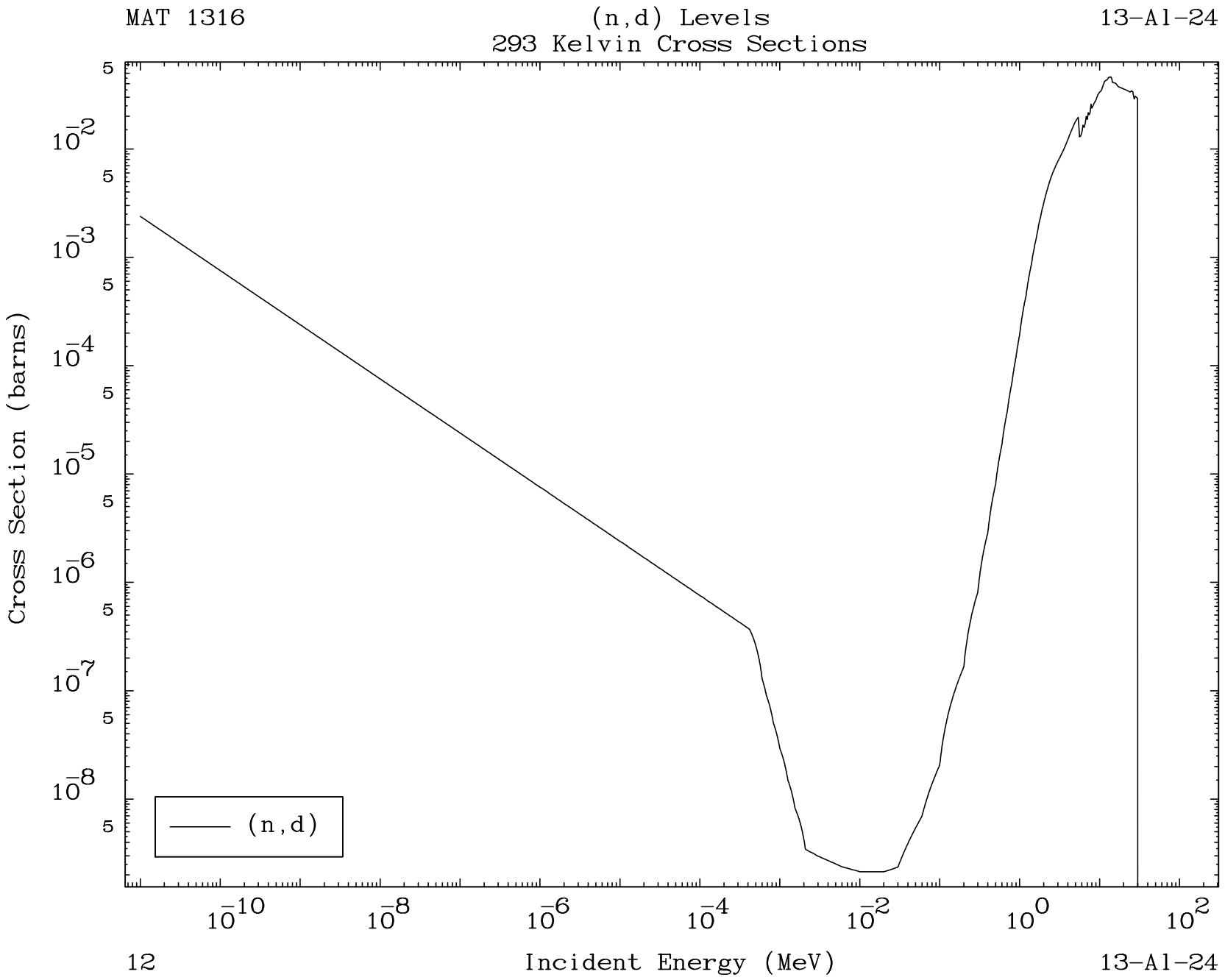

MAT 1316
Particle Production
293 Kelvin Cross Sections
13-Al-24
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
He-3 Production
He-4 Production
7
13-Al-24

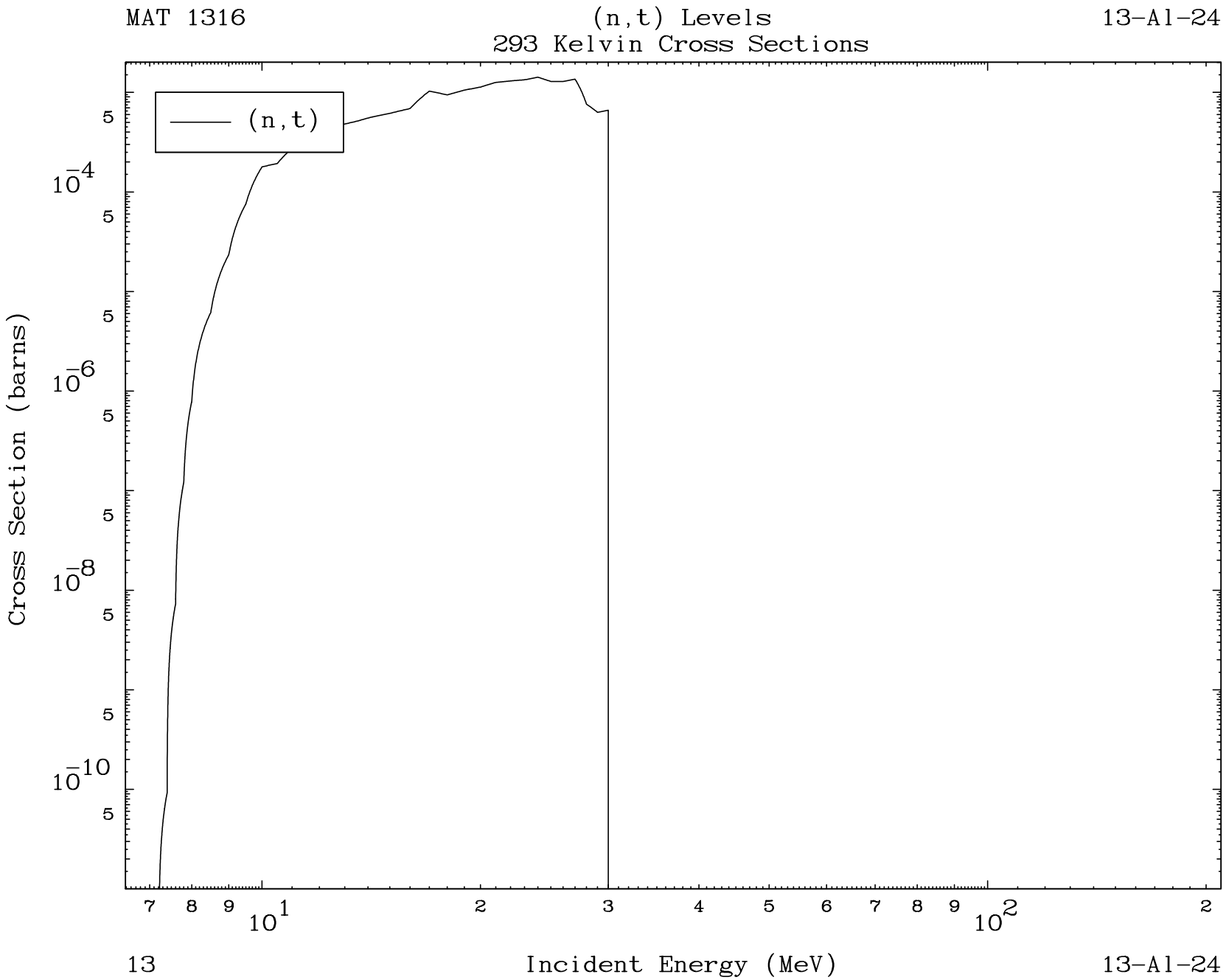

MAT 1316
(n,n') Levels
293 Kelvin Cross Sections
13-Al-24
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
8
13-Al-24

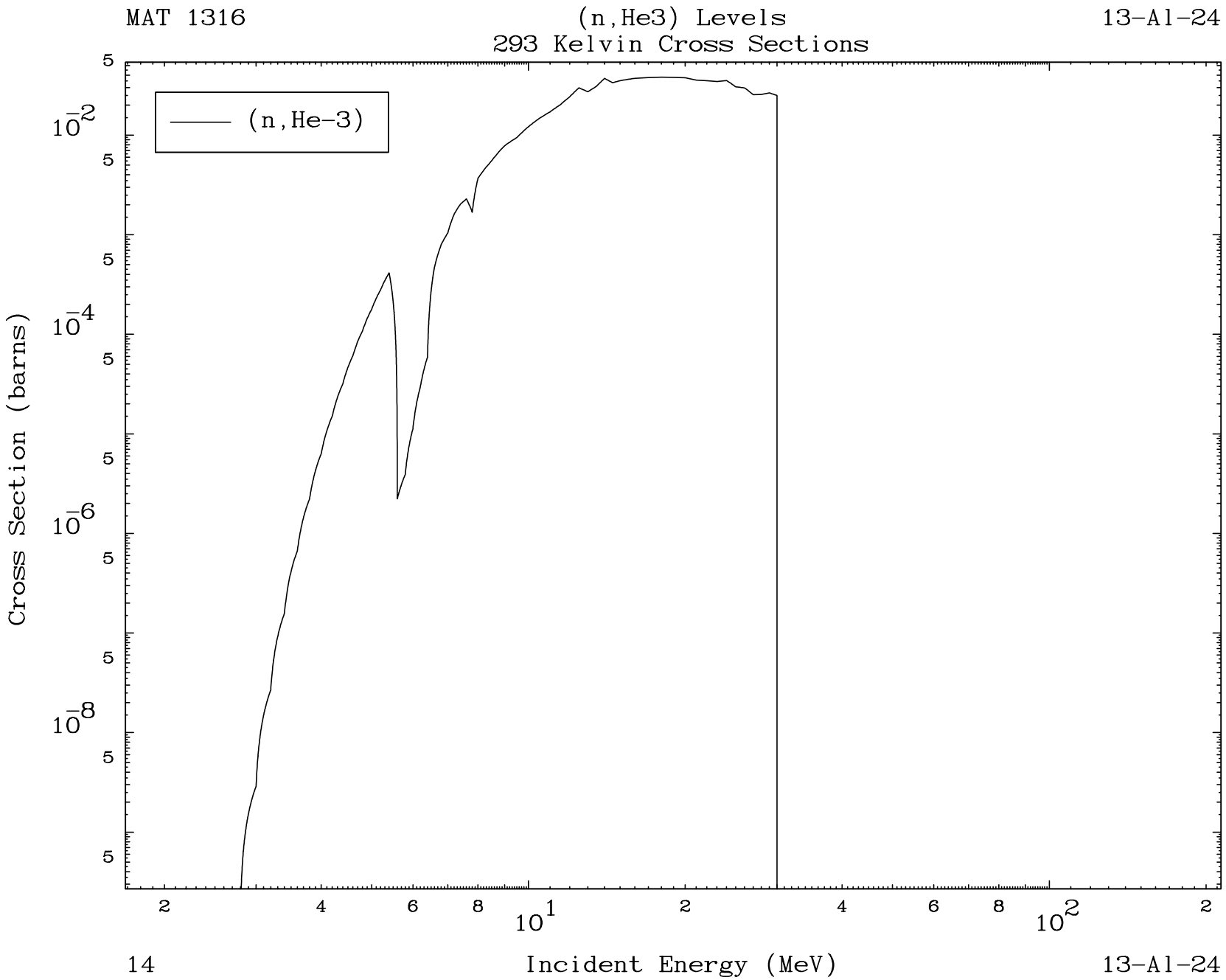

MAT 1316
(n,n') Levels
293 Kelvin Cross Sections
13-Al-24
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
9
13-Al-24

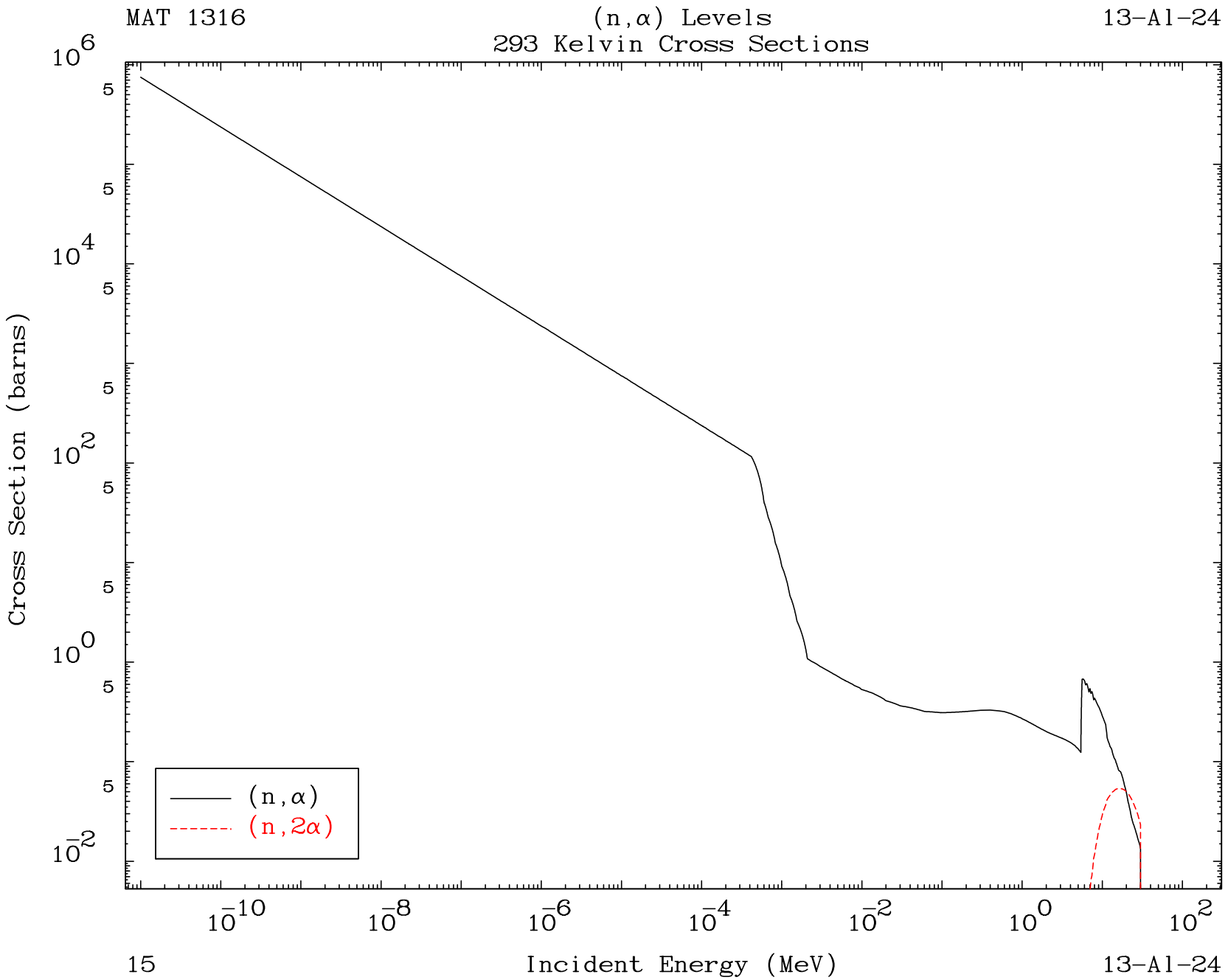

MAT 1316
(n,n') Levels
293 Kelvin Cross Sections
13-Al-24
Inelastic
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
13-Al-24

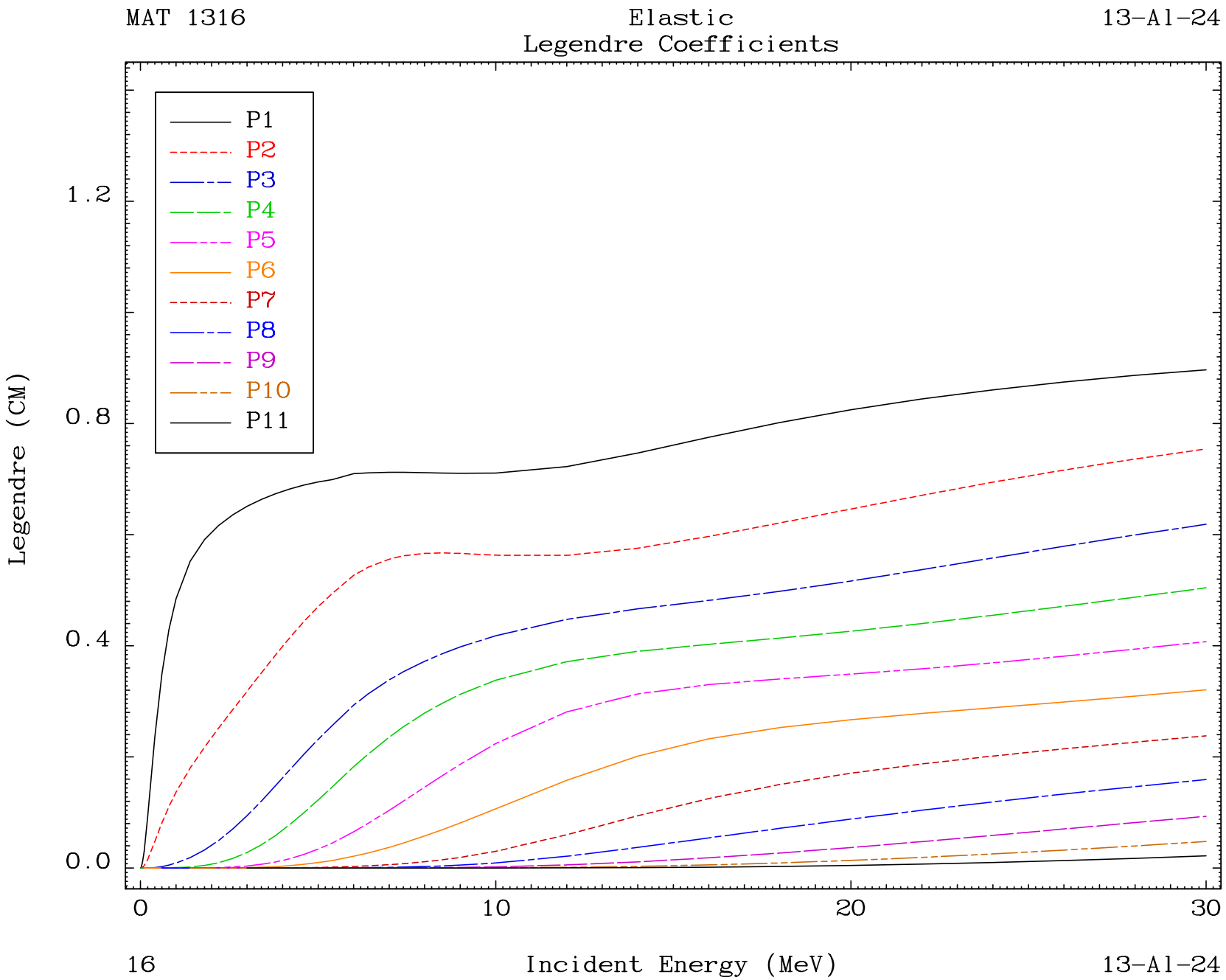

MAT 1316
(n,p) Levels
13-Al-24
293 Kelvin Cross Sections
Cross Section (barns)
10^6
10^4
10^2
10^0
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
13-Al-24

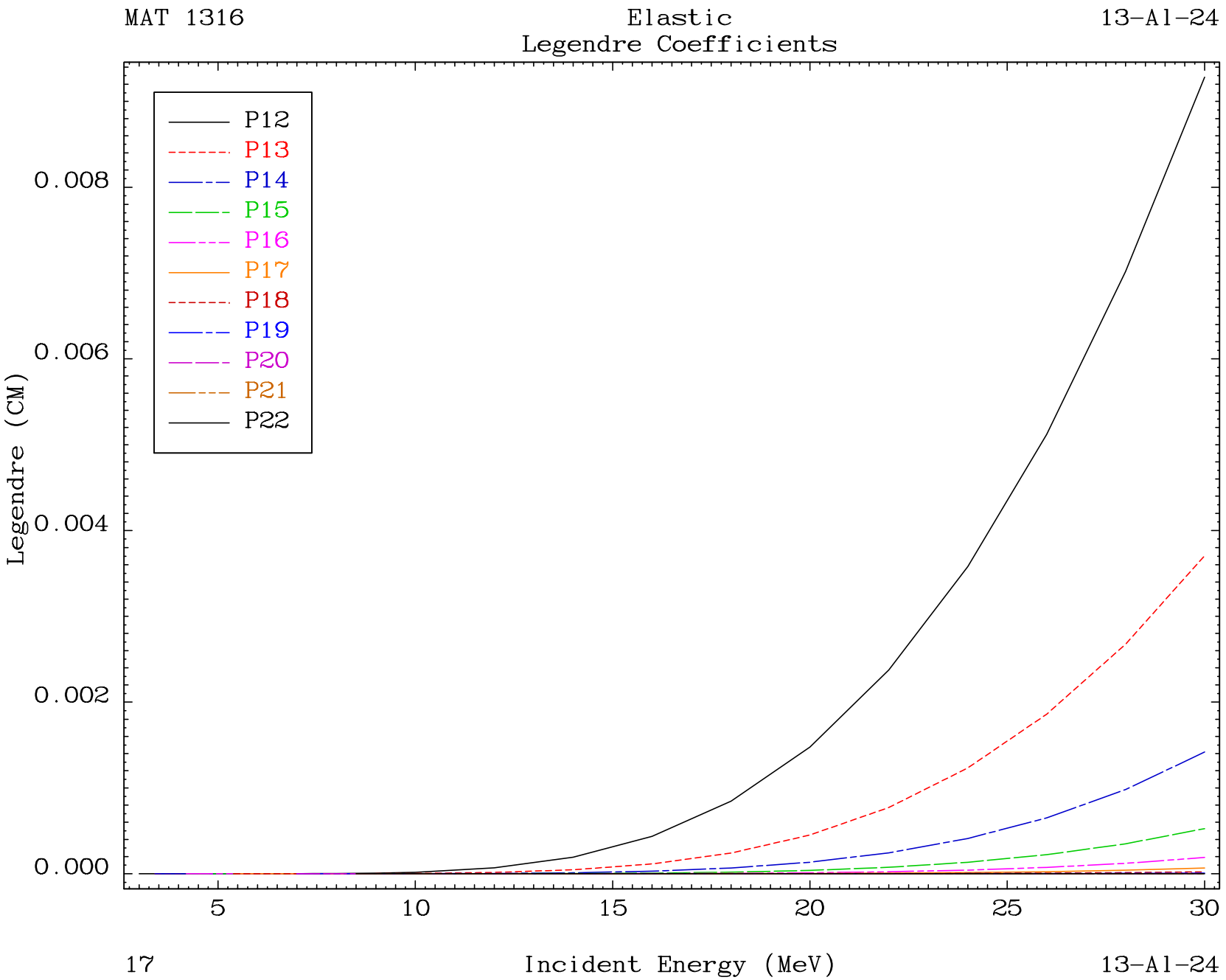

MAT 1316
(n,d) Levels
13-Al-24
293 Kelvin Cross Sections
Cross Section (barns)
(n,d)
Incident Energy (MeV)
12
13-Al-24

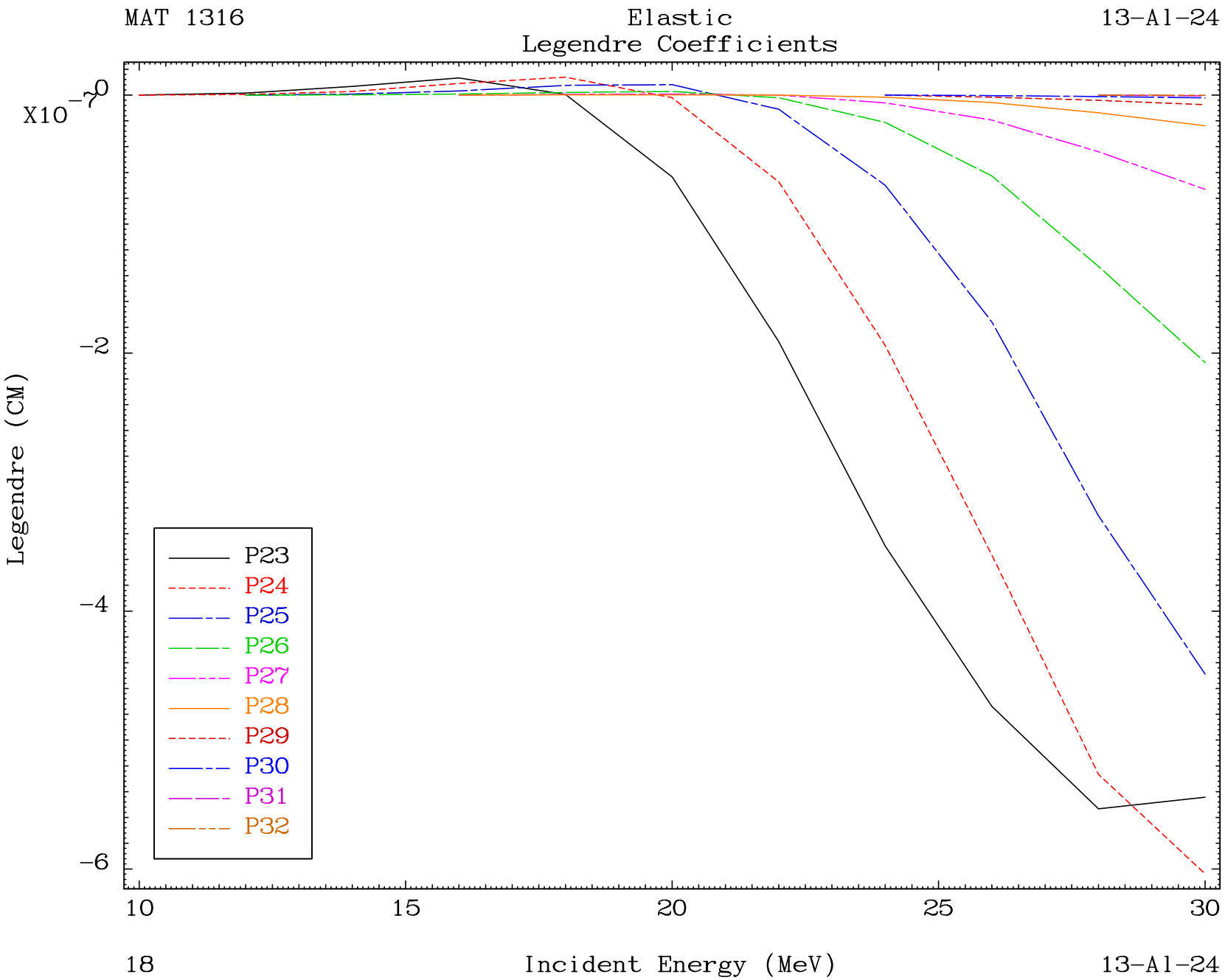

MAT 1316
(n,t) Levels
13-Al-24
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
13-Al-24

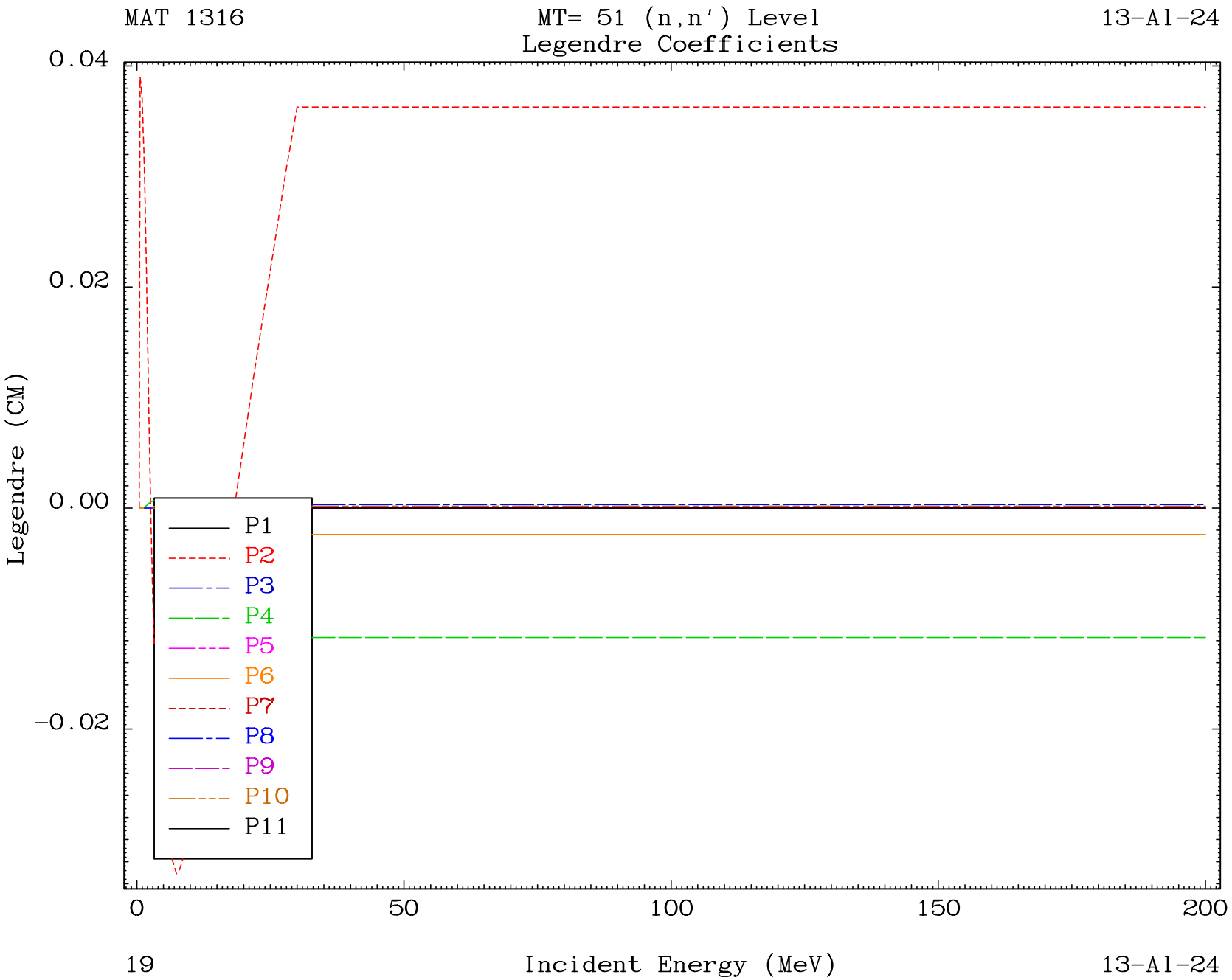

MAT 1316
(n,He3) Levels
13-Al-24
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
13-Al-24

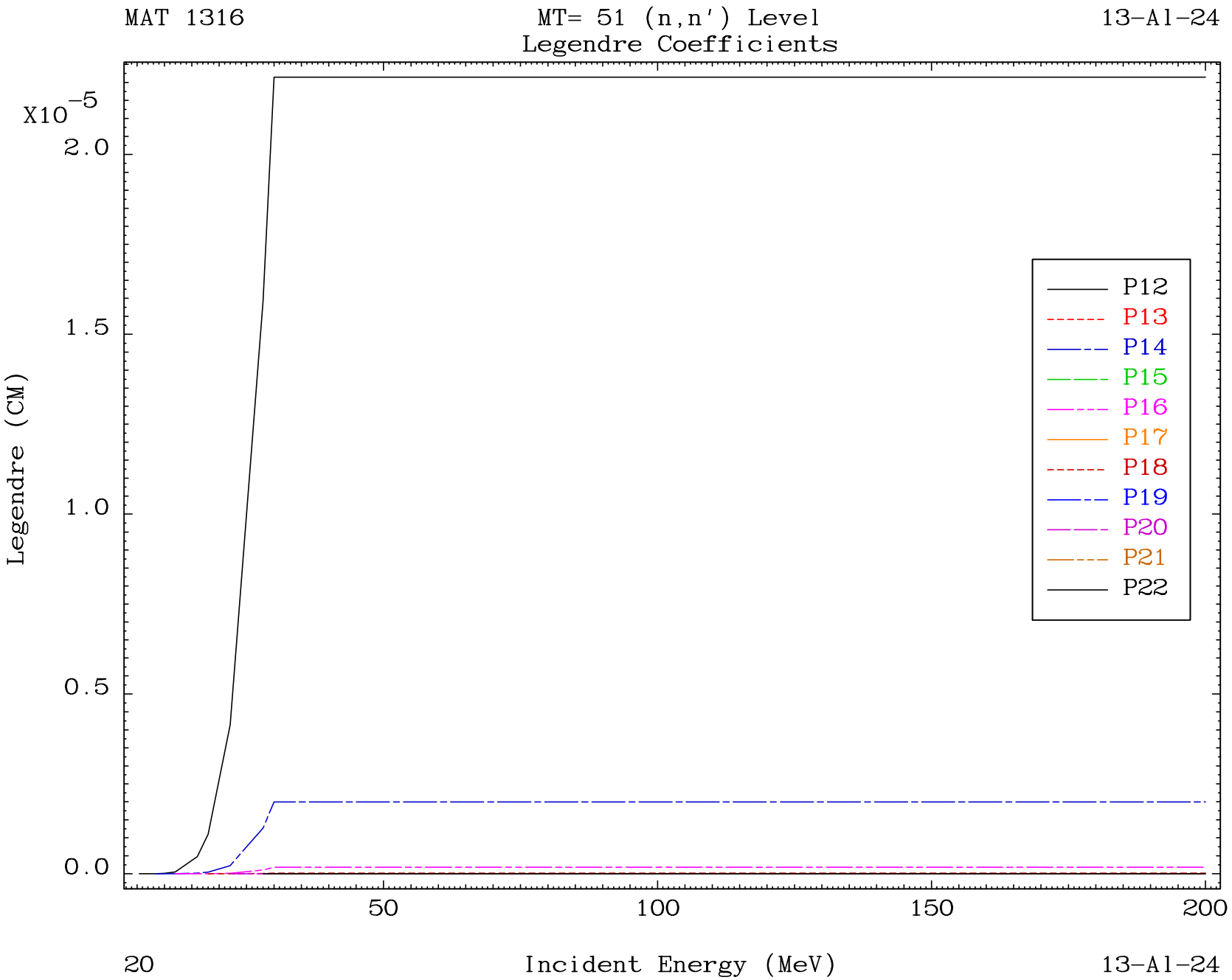

MAT 1316
(n,α) Levels
13-Al-24
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,α)
(n,2α)
15
13-Al-24

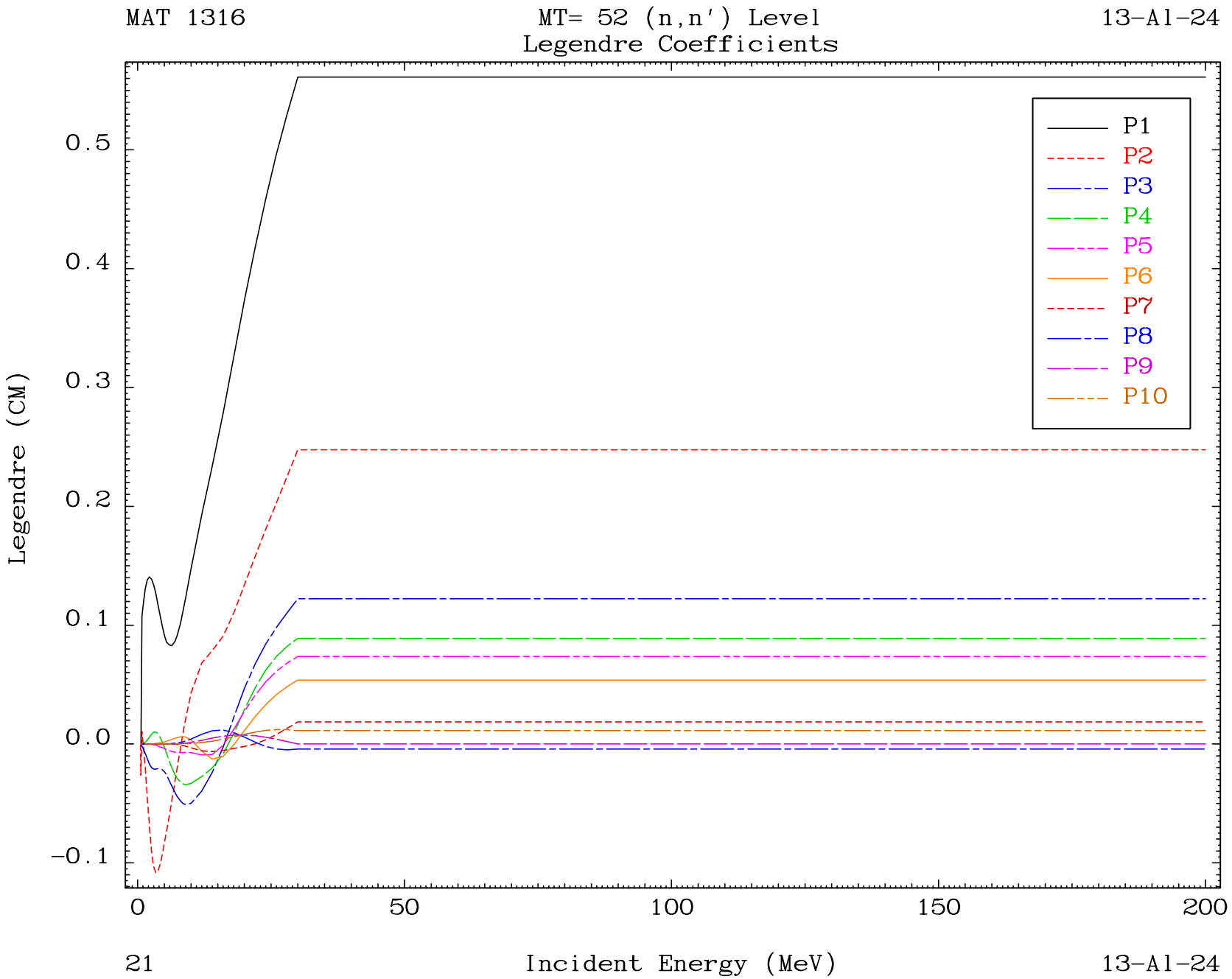

MAT 1316
Elastic
Legendre Coefficients
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
1.2
0.8
0.4
0.0
0
10
20
30
16
Incident Energy (MeV)
13-Al-24


MAT 1316
Elastic
Legendre Coefficients
13-Al-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
5
10
15
20
25
30
17
Incident Energy (MeV)
13-Al-24


MAT 1316
Elastic
Legendre Coefficients
13-Al-24
X10^-0
-2
-4
-6
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
10
15
20
25
30
18
Incident Energy (MeV)
13-Al-24


MAT 1316
MT= 51 (n,n') Level
Legendre Coefficients
13-Al-24
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
19
Incident Energy (MeV)
13-Al-24


MAT 1316
MT= 51 (n,n') Level
Legendre Coefficients
13-Al-24
X10-5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
20
Incident Energy (MeV)
13-Al-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22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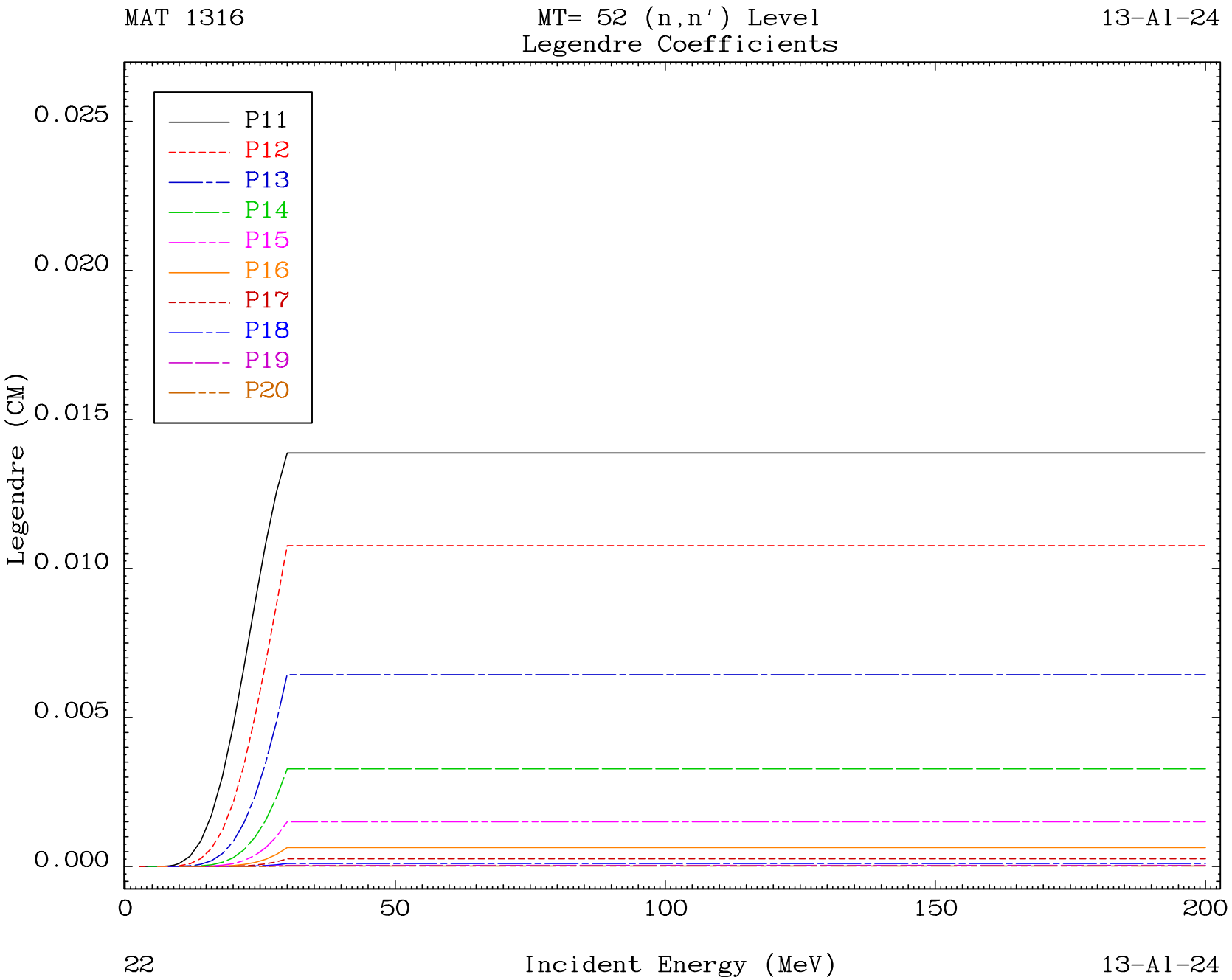
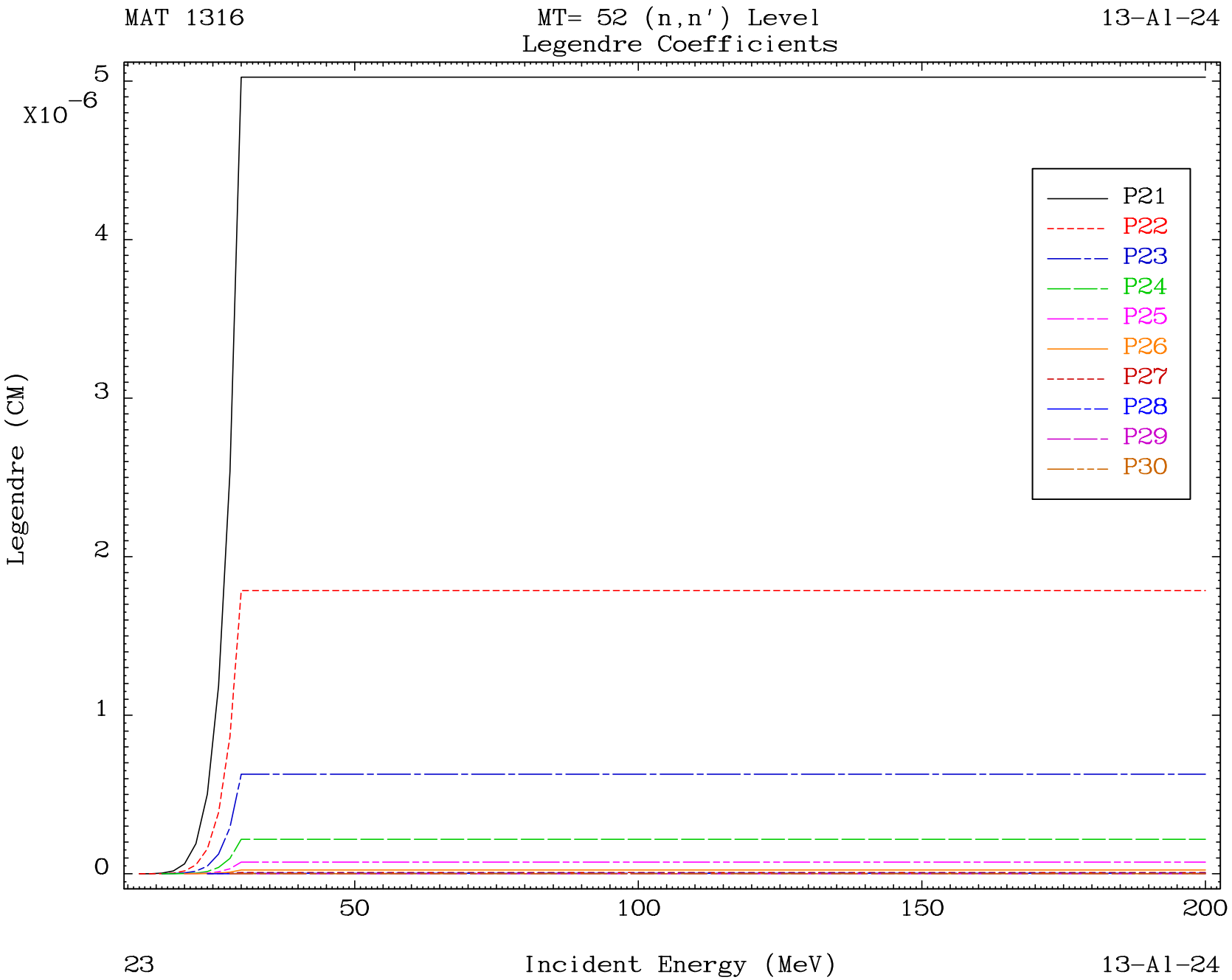
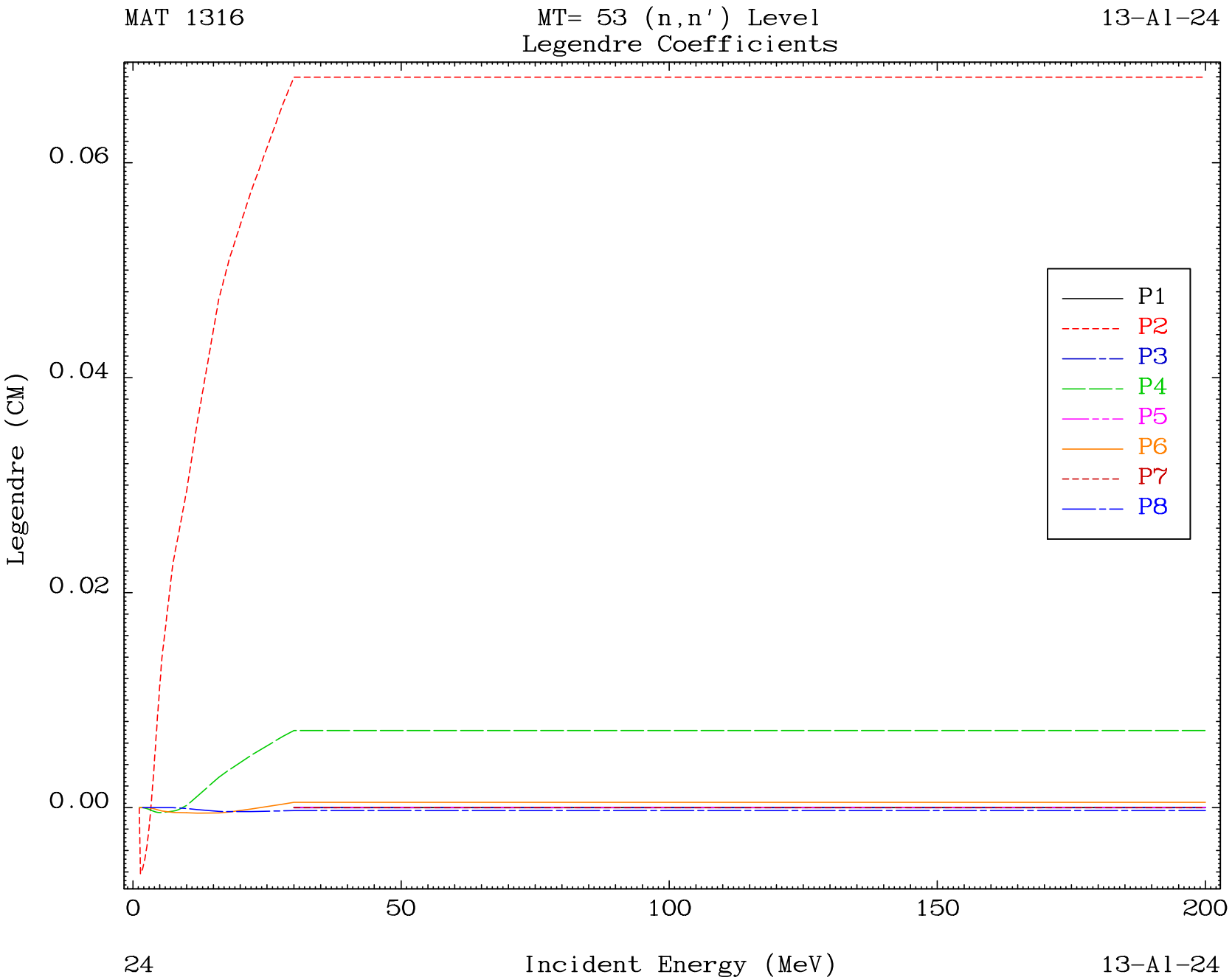
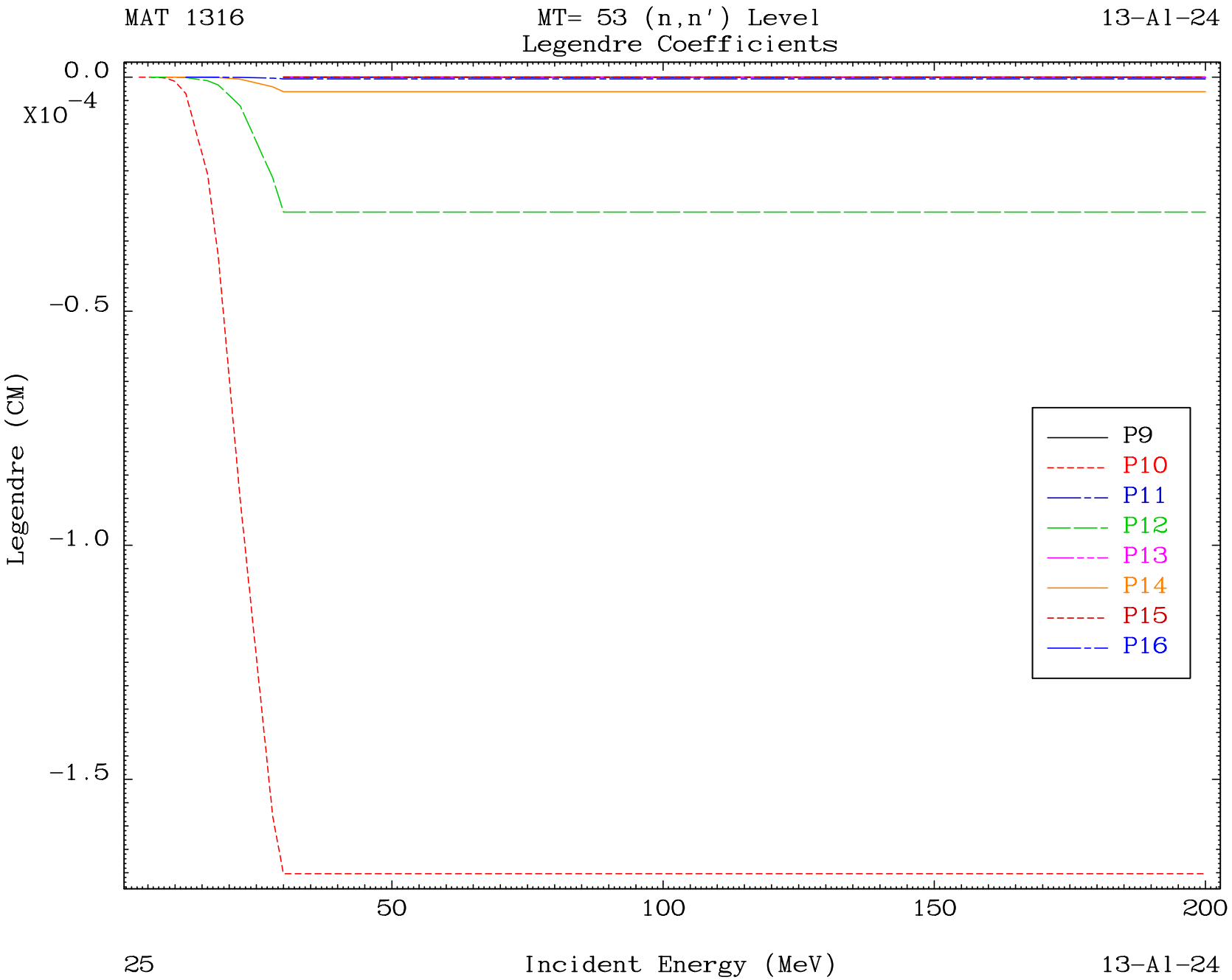
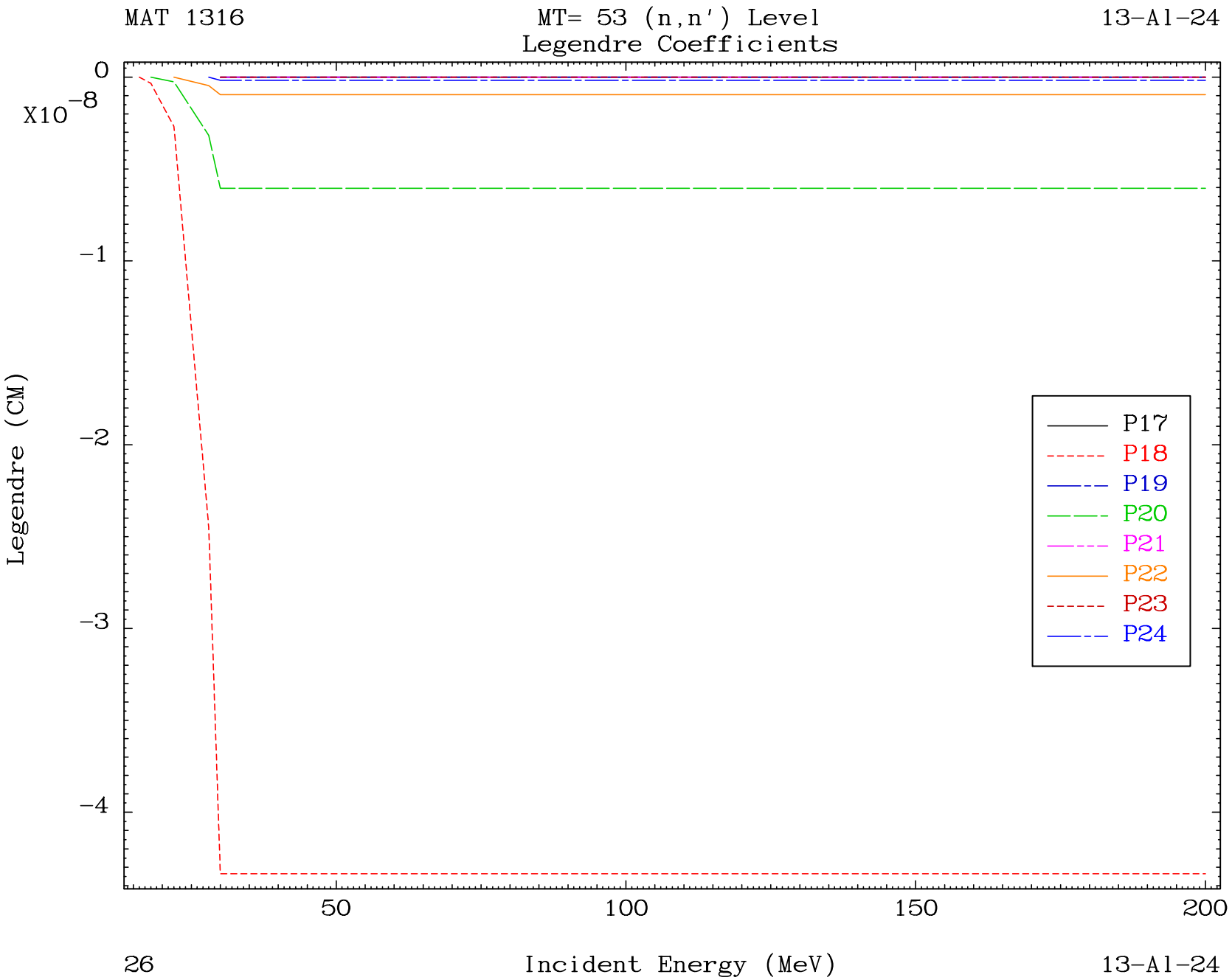
MT= 52 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
21
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

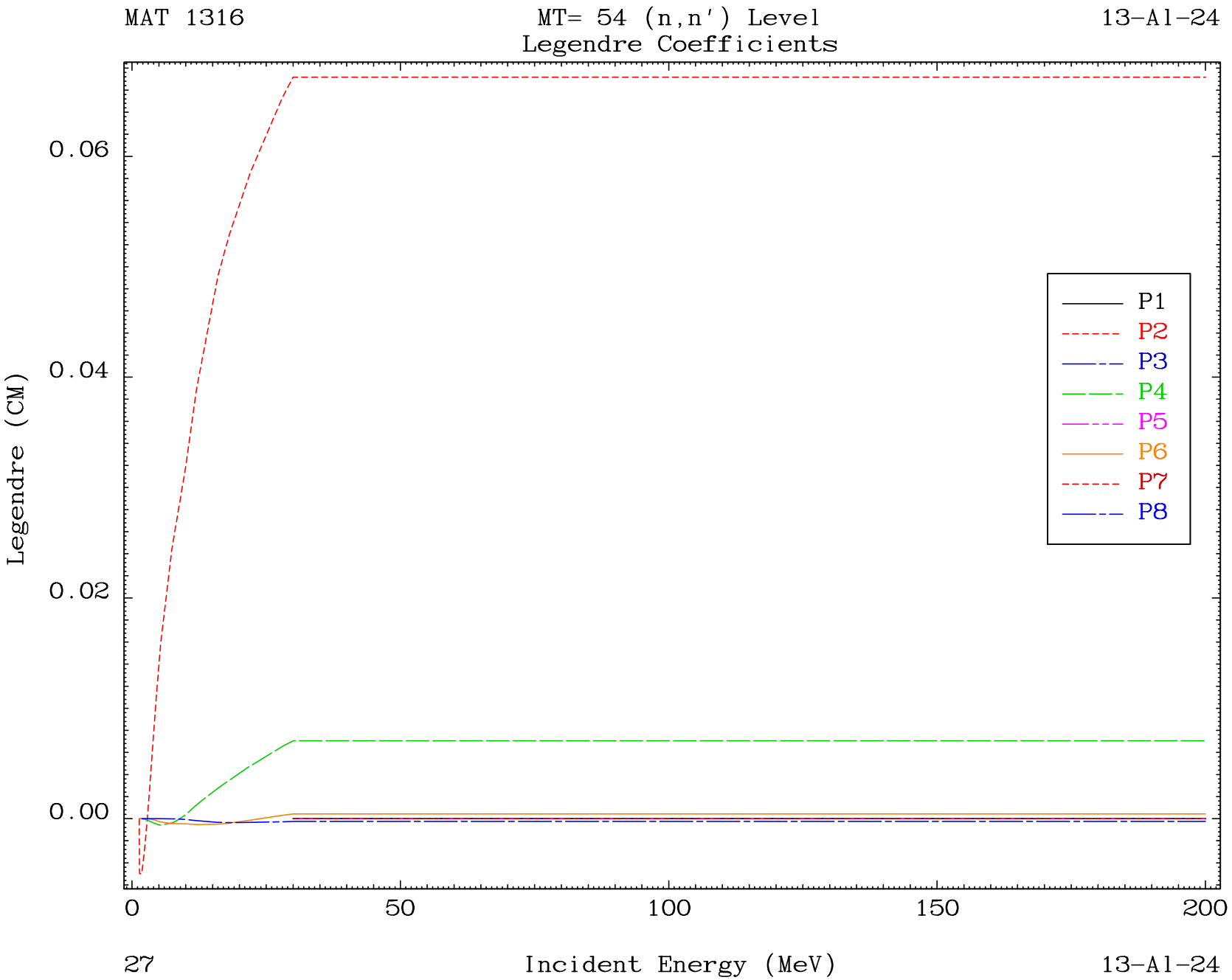

MAT 1316
MT= 52 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
0
50
100
150
200
22
Incident Energy (MeV)
13-Al-24

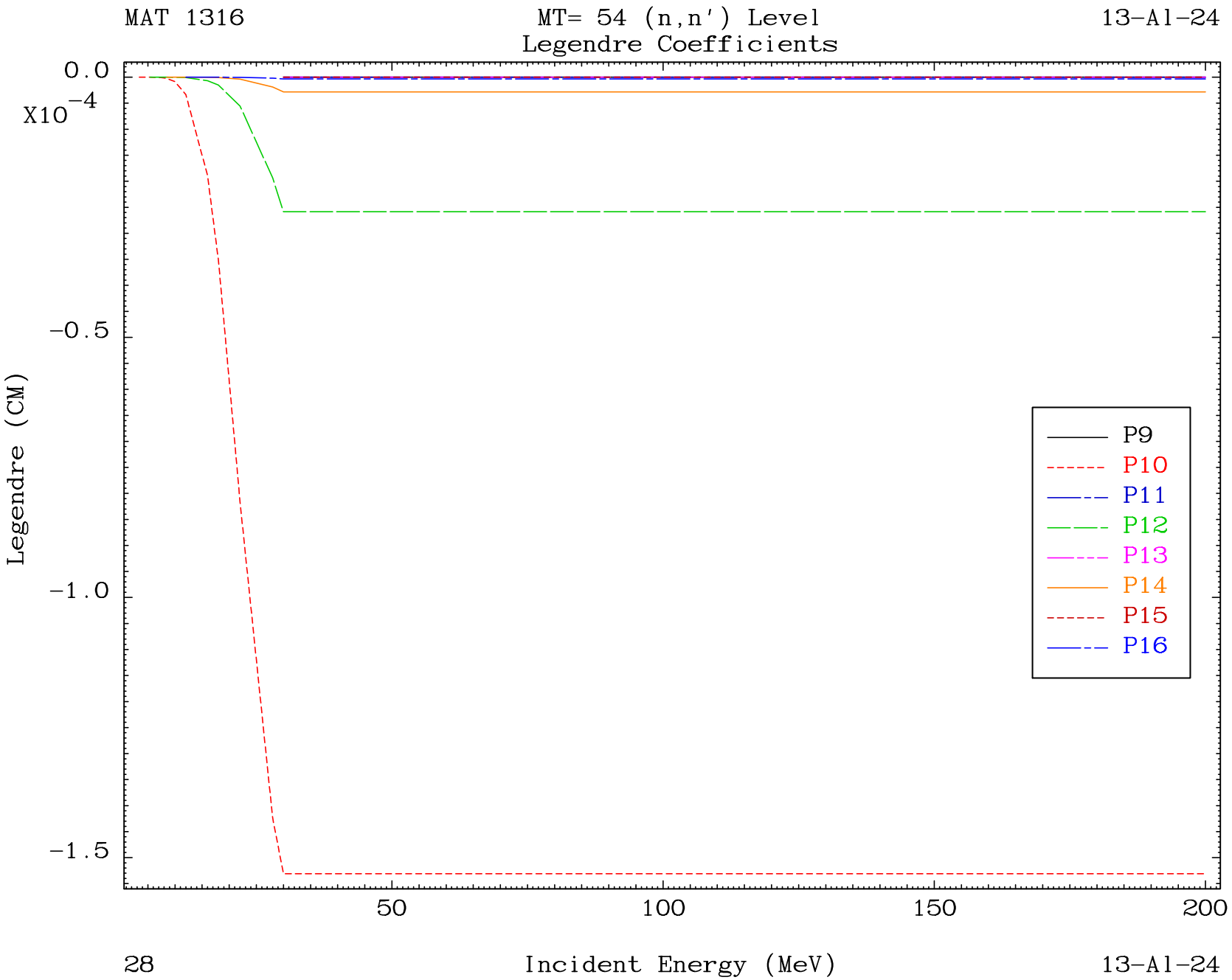

MAT 1316
MT= 52 (n,n') Level
Legendre Coefficients
13-Al-24
X10 -6
5
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
23
Incident Energy (MeV)
13-Al-24

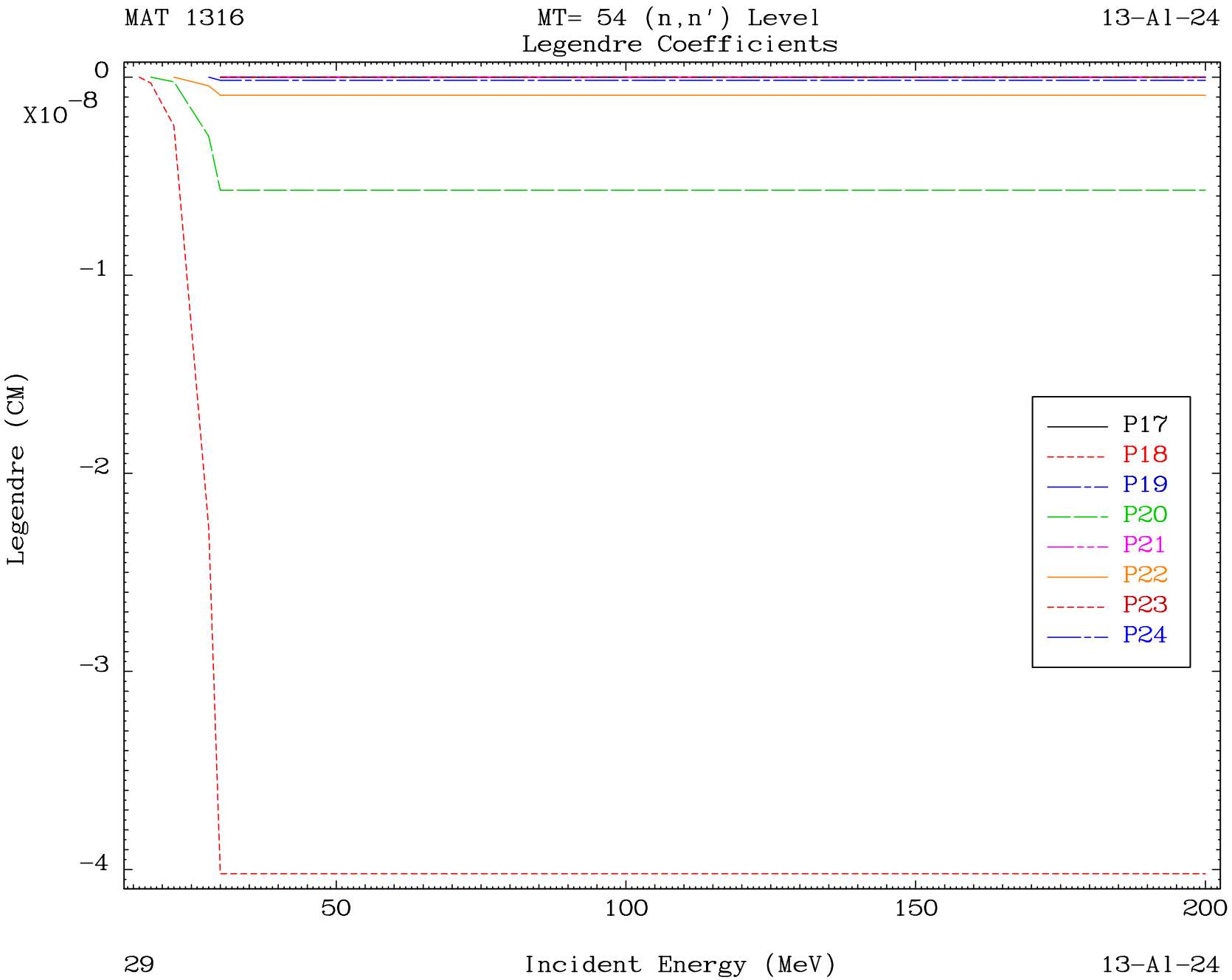

MAT 1316
MT= 53 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.06
0.04
0.02
0.00
0
50
100
150
200
Incident Energy (MeV)
24
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8

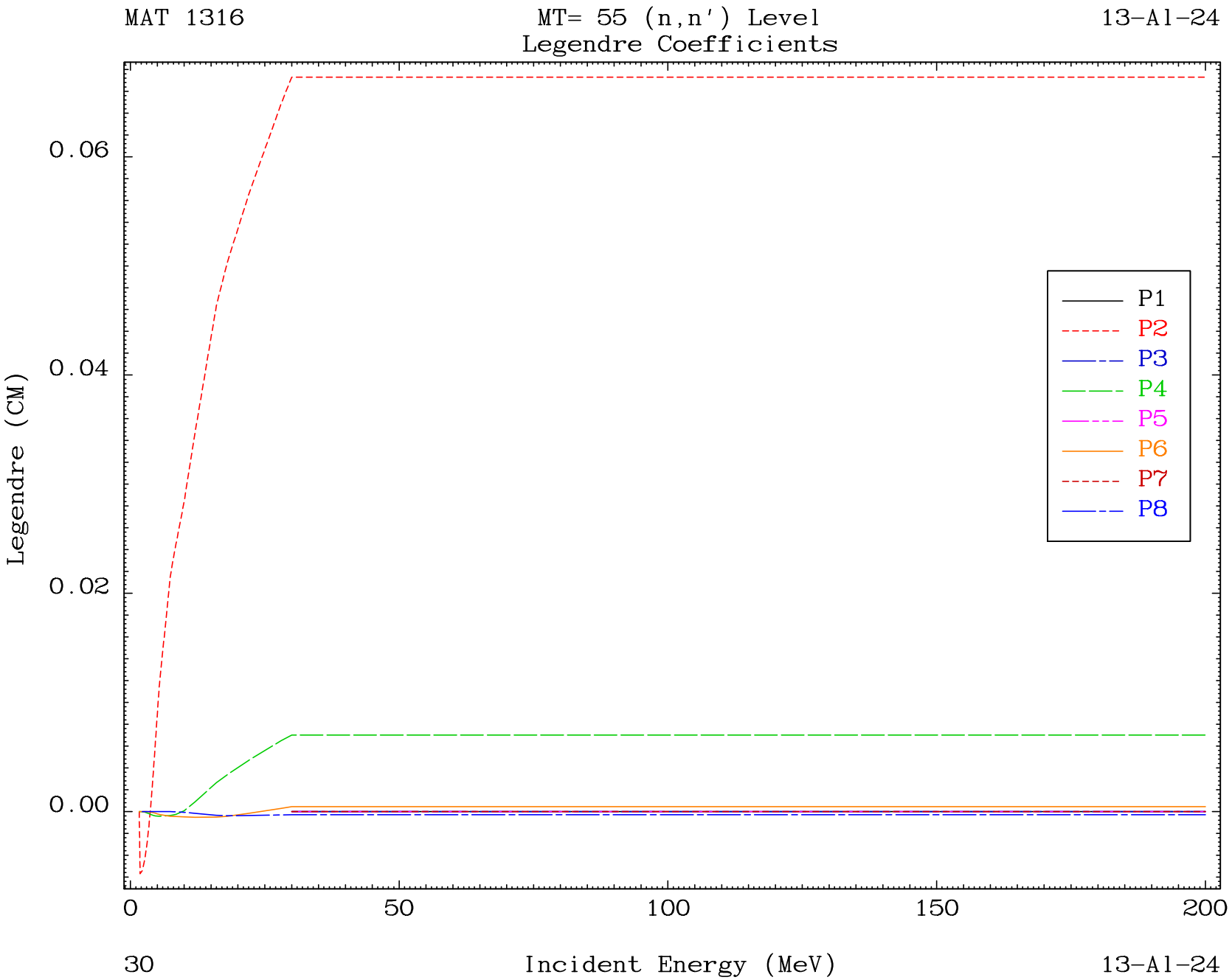

MAT 1316
MT= 53 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-4
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
25
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

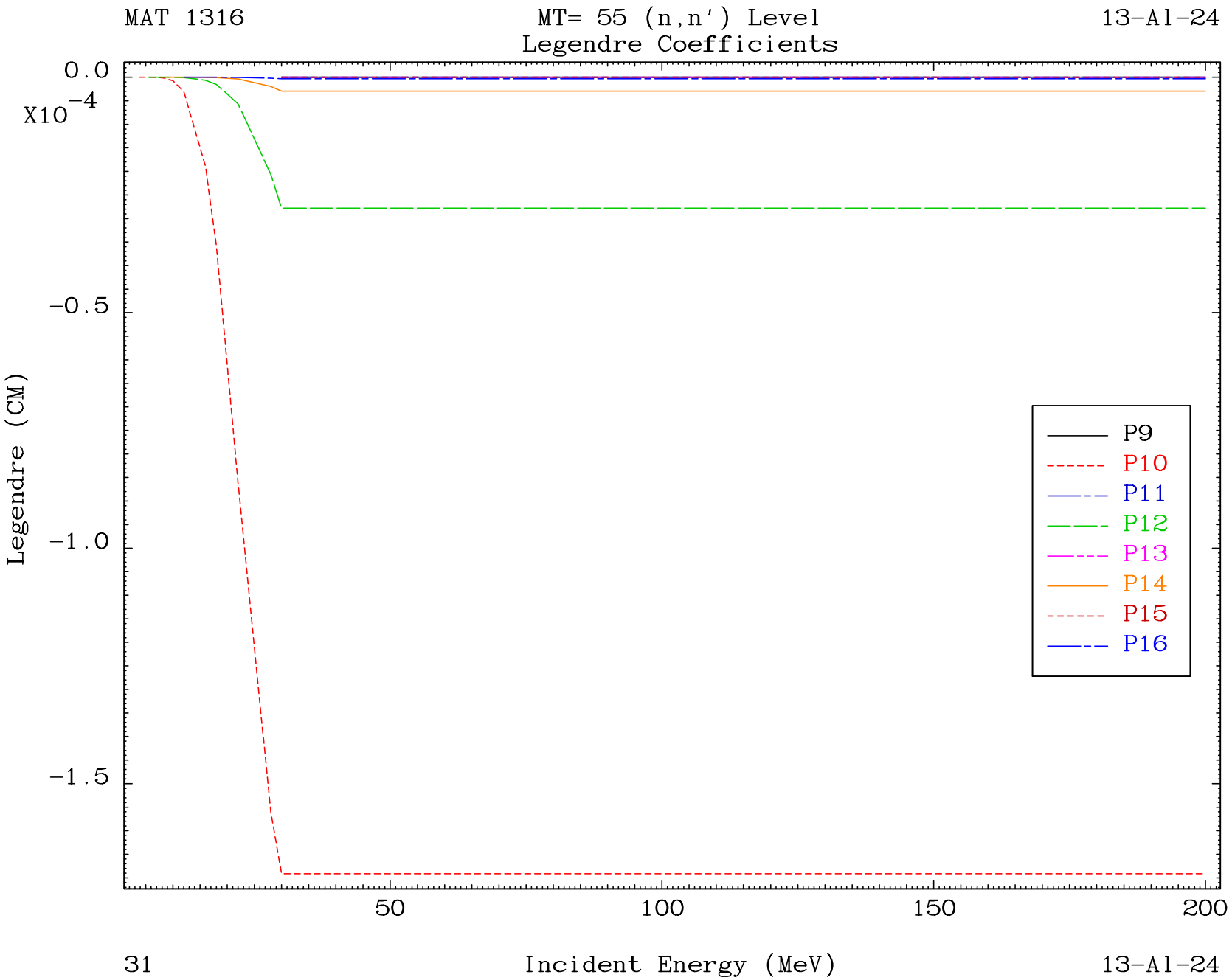

MAT 1316
MT= 53 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 −8
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

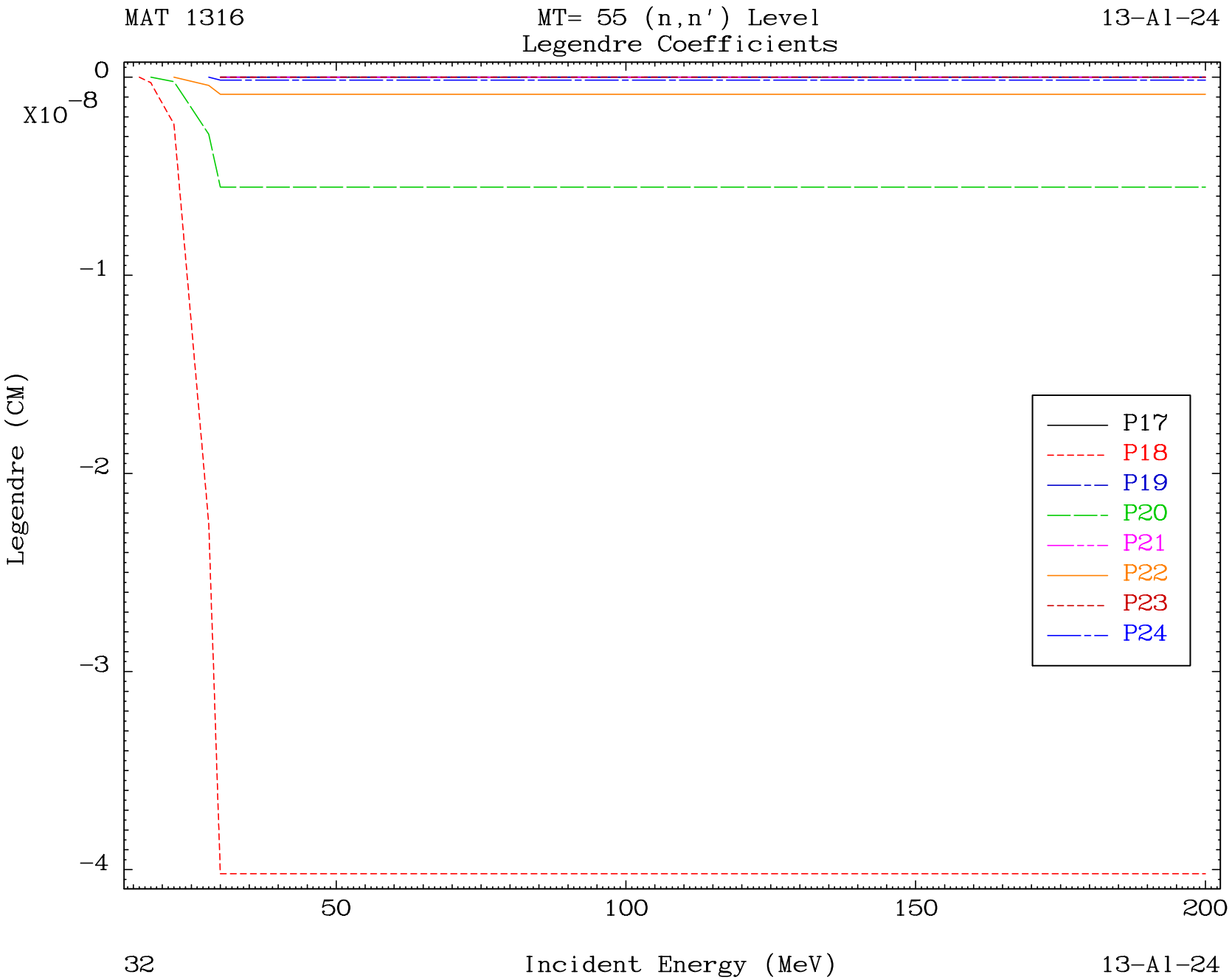

MAT 1316
MT= 54 (n,n') Level
Legendre Coefficients
13-Al-24
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
27
Incident Energy (MeV)
13-Al-24

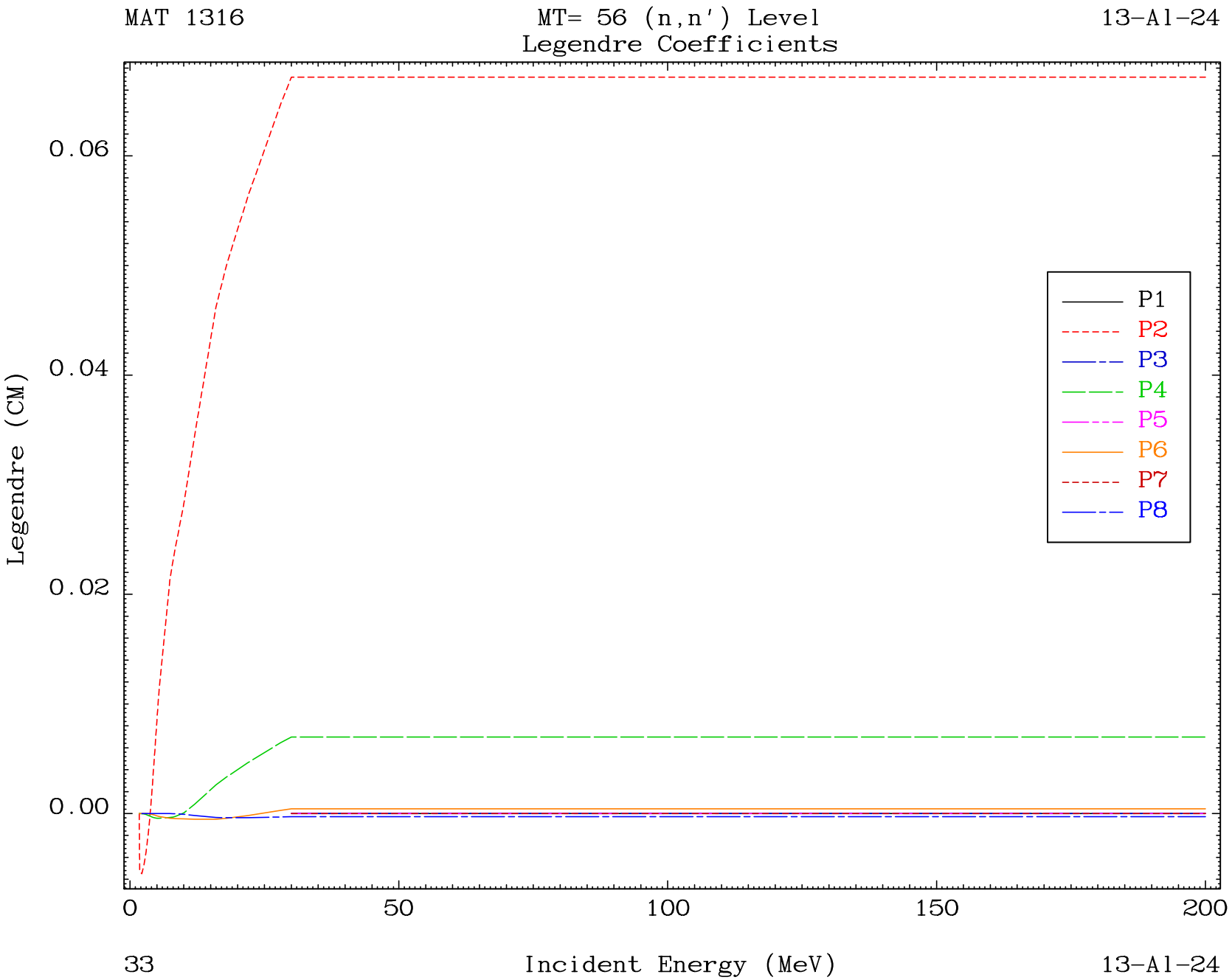

MAT 1316
MT= 54 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-4
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
28
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

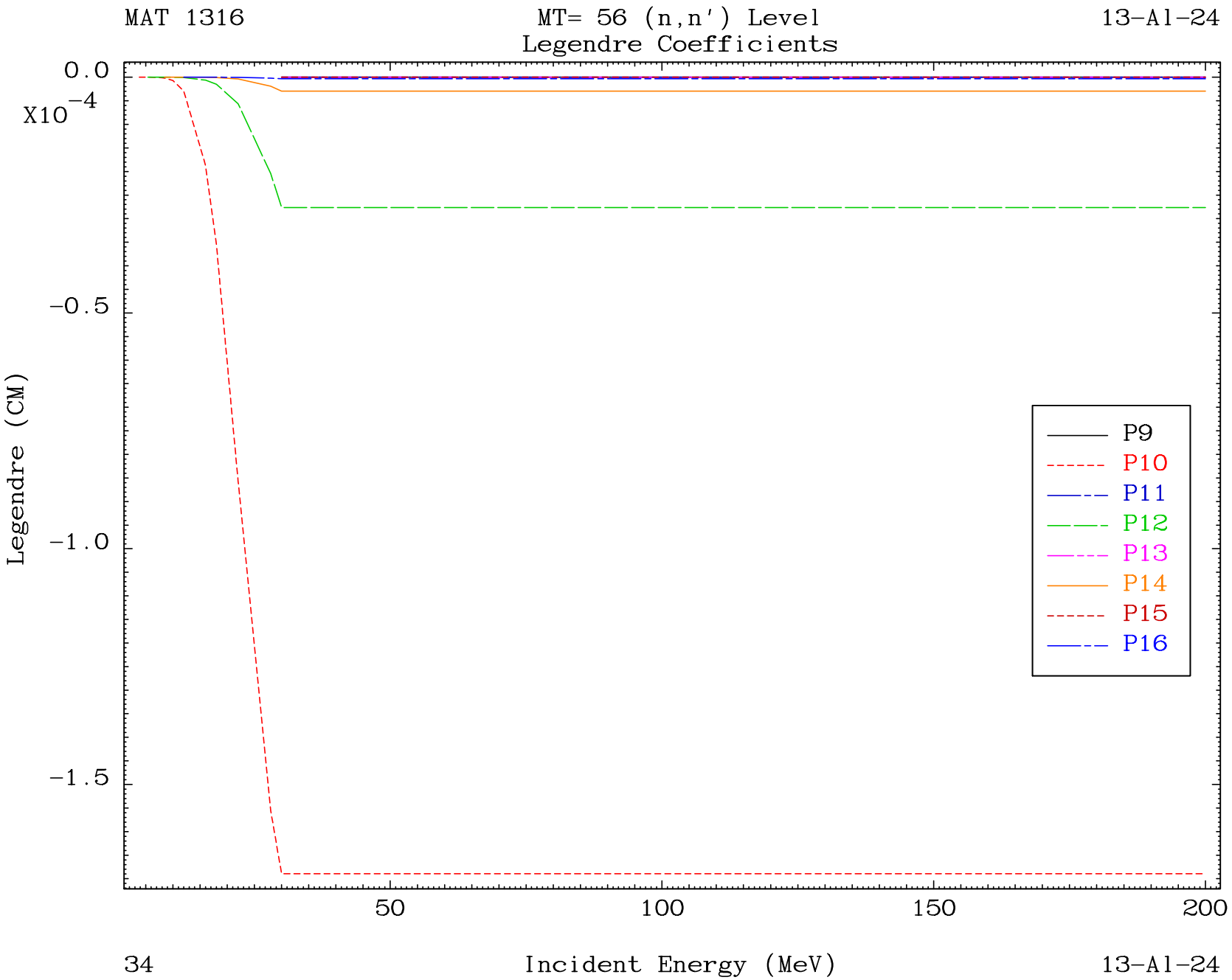

MAT 1316
MT= 54 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 −8
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
29
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

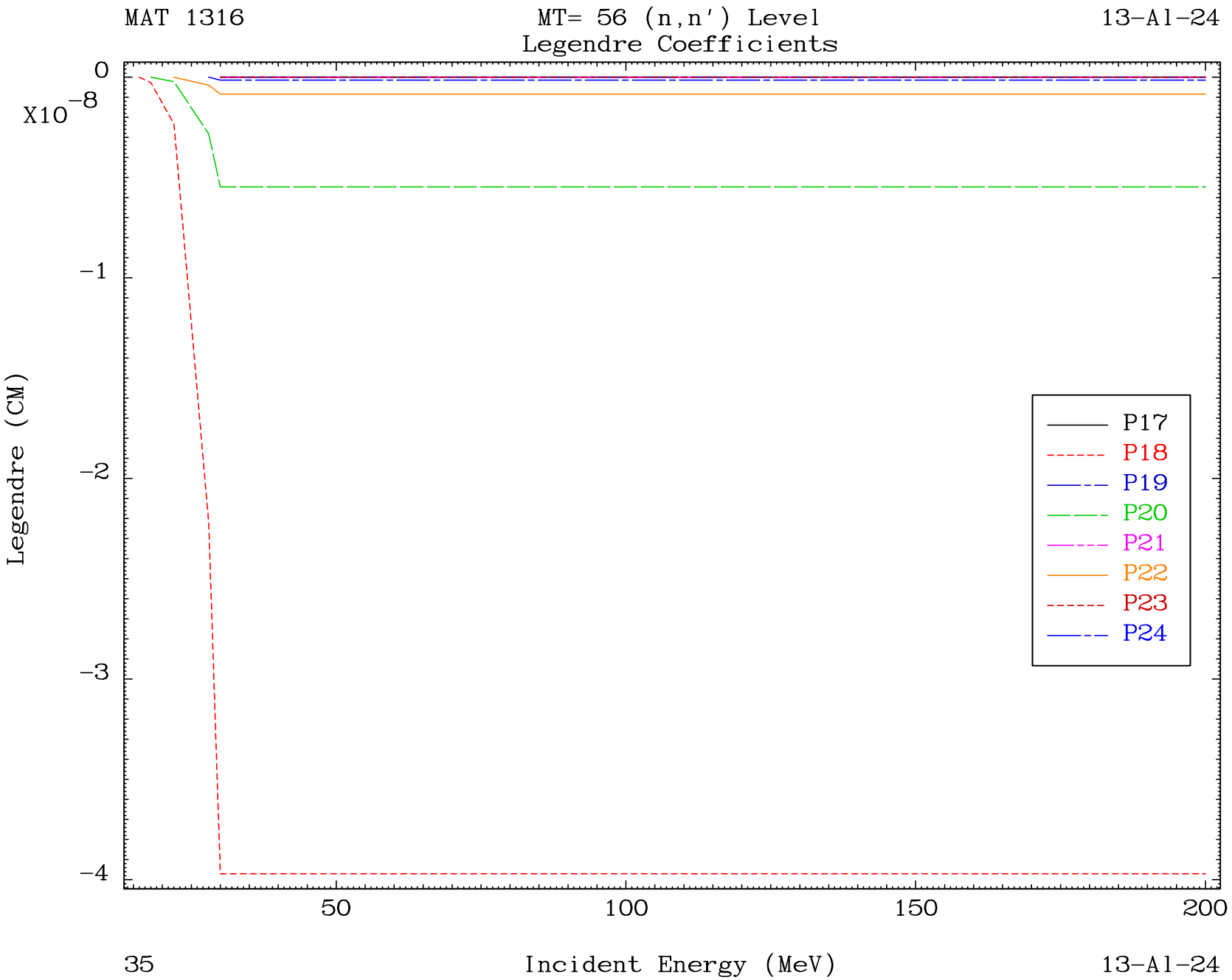

MAT 1316
MT= 55 (n,n') Level
Legendre Coefficients
13-Al-24
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
30
Incident Energy (MeV)
13-Al-24

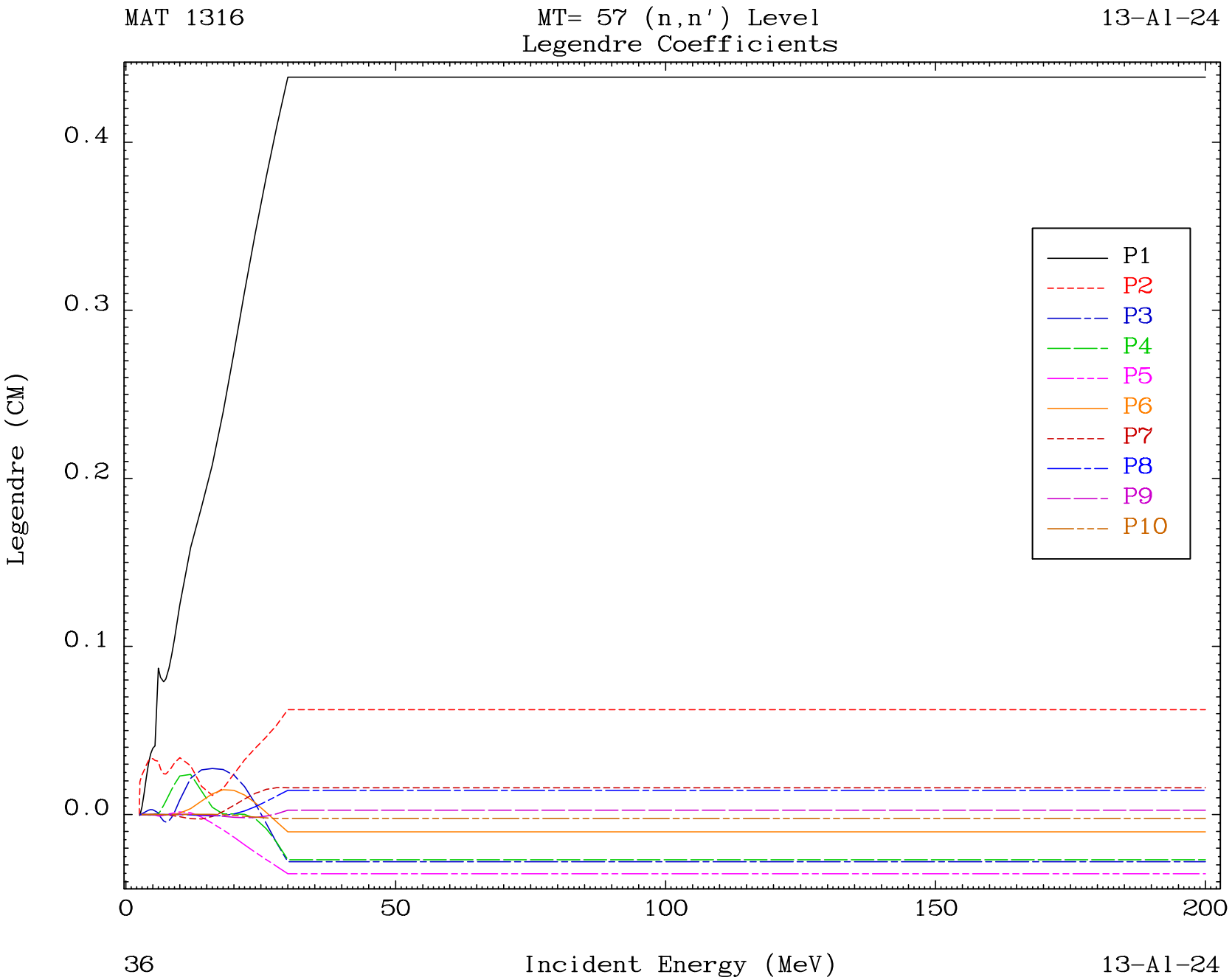

MAT 1316
MT= 55 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-4
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
31
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

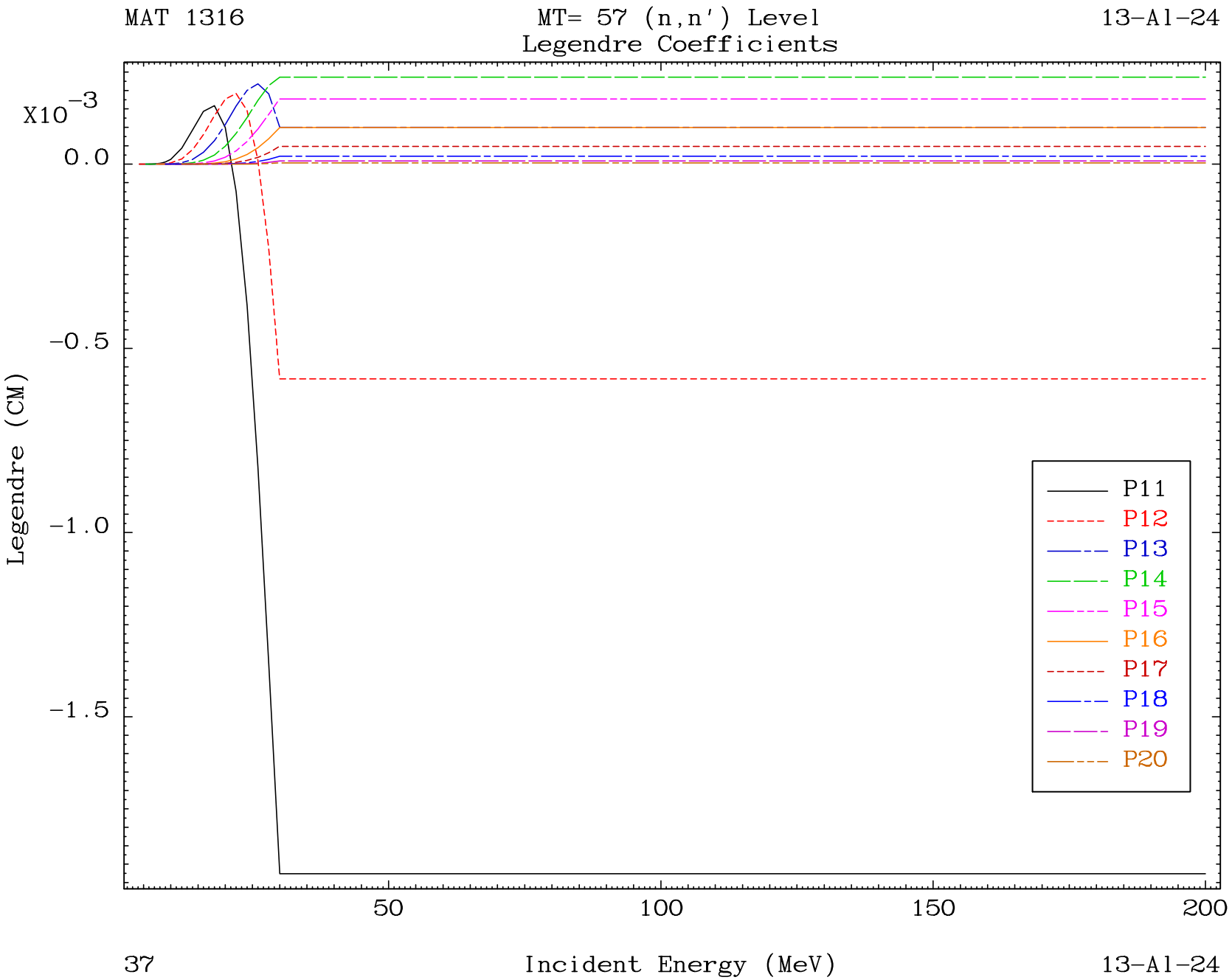

MAT 1316
MT= 55 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10−8
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
32
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

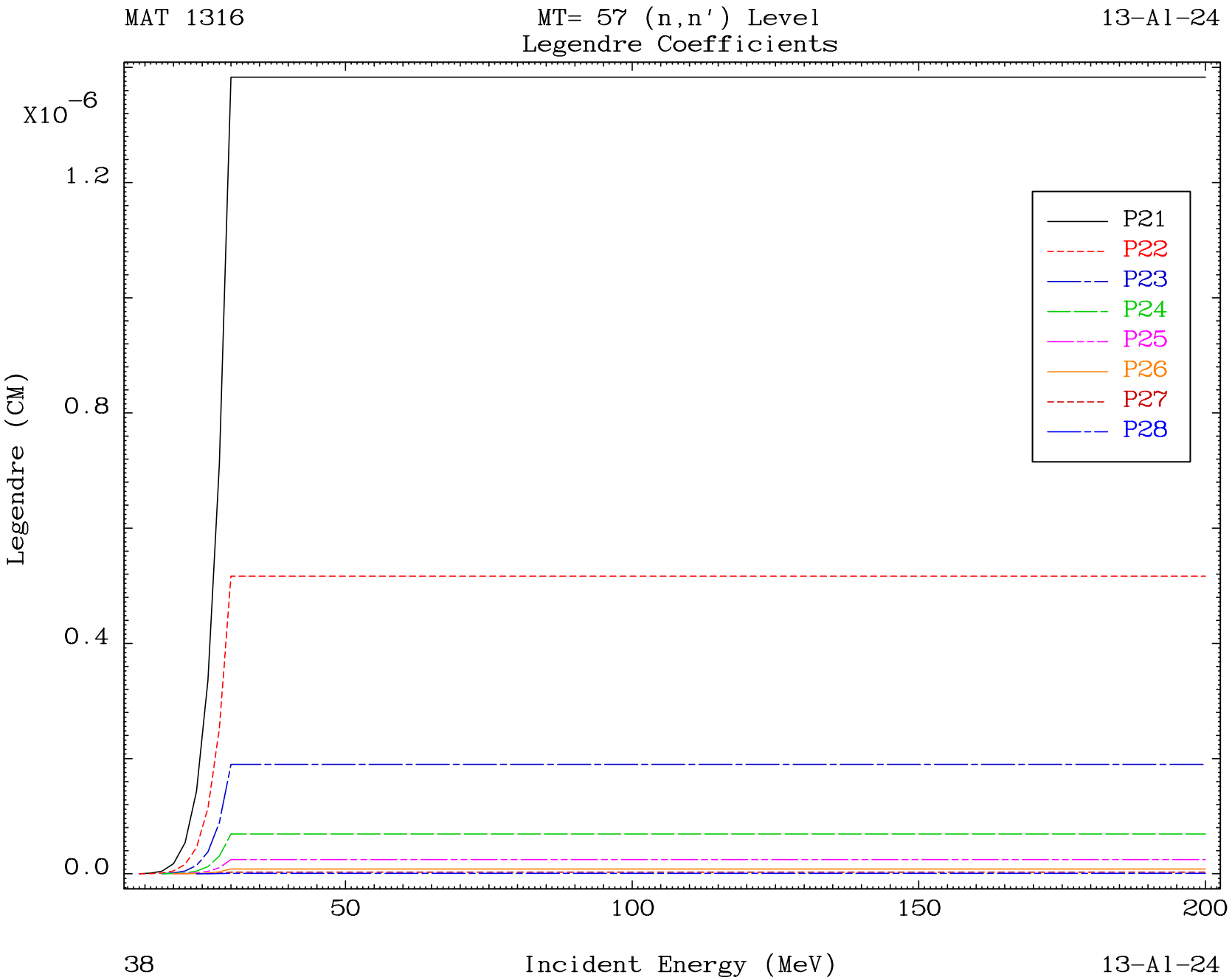

MAT 1316
MT= 56 (n,n') Level
Legendre Coefficients
13-Al-24
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
33
Incident Energy (MeV)
13-Al-24

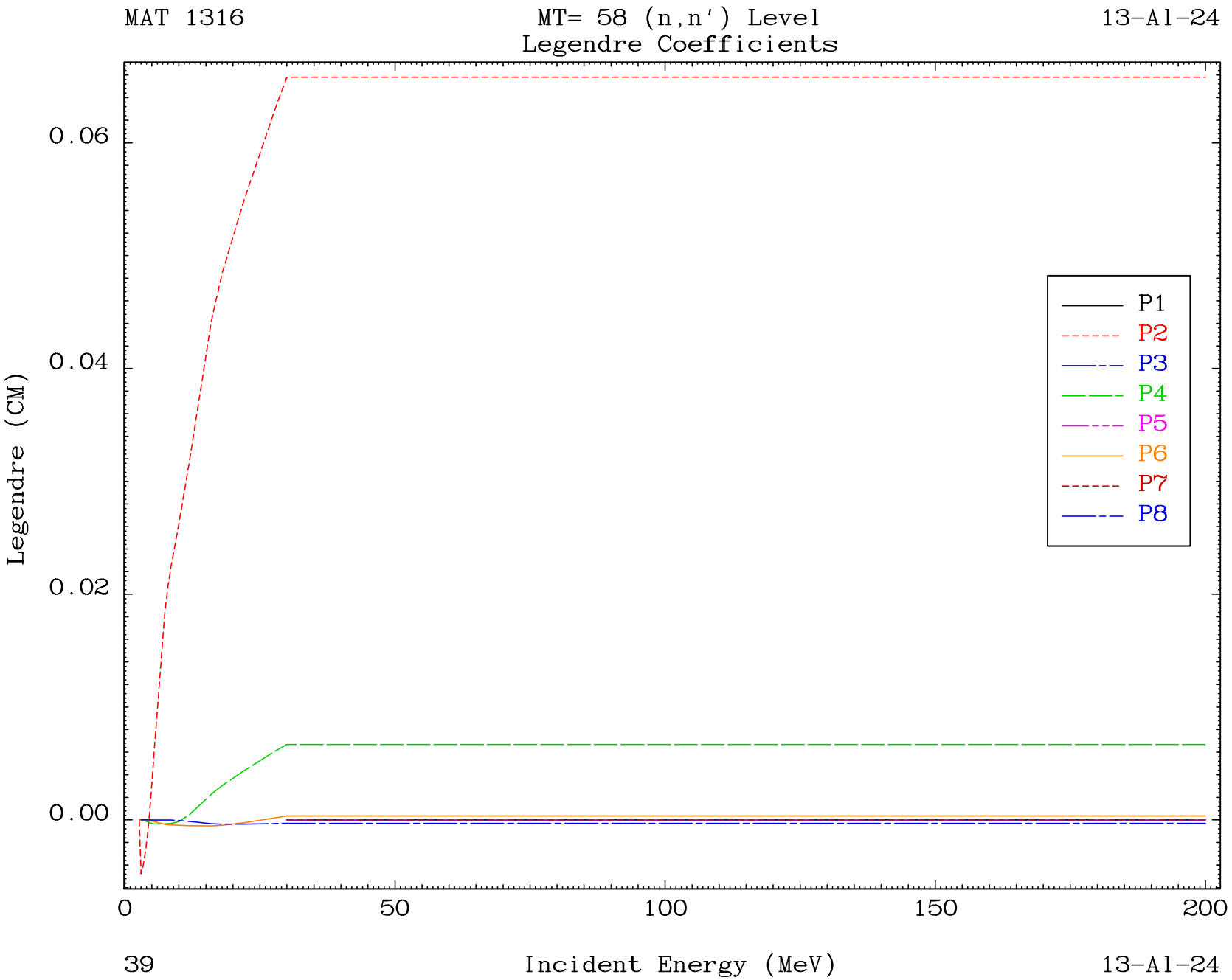

MAT 1316
MT= 56 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-4
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

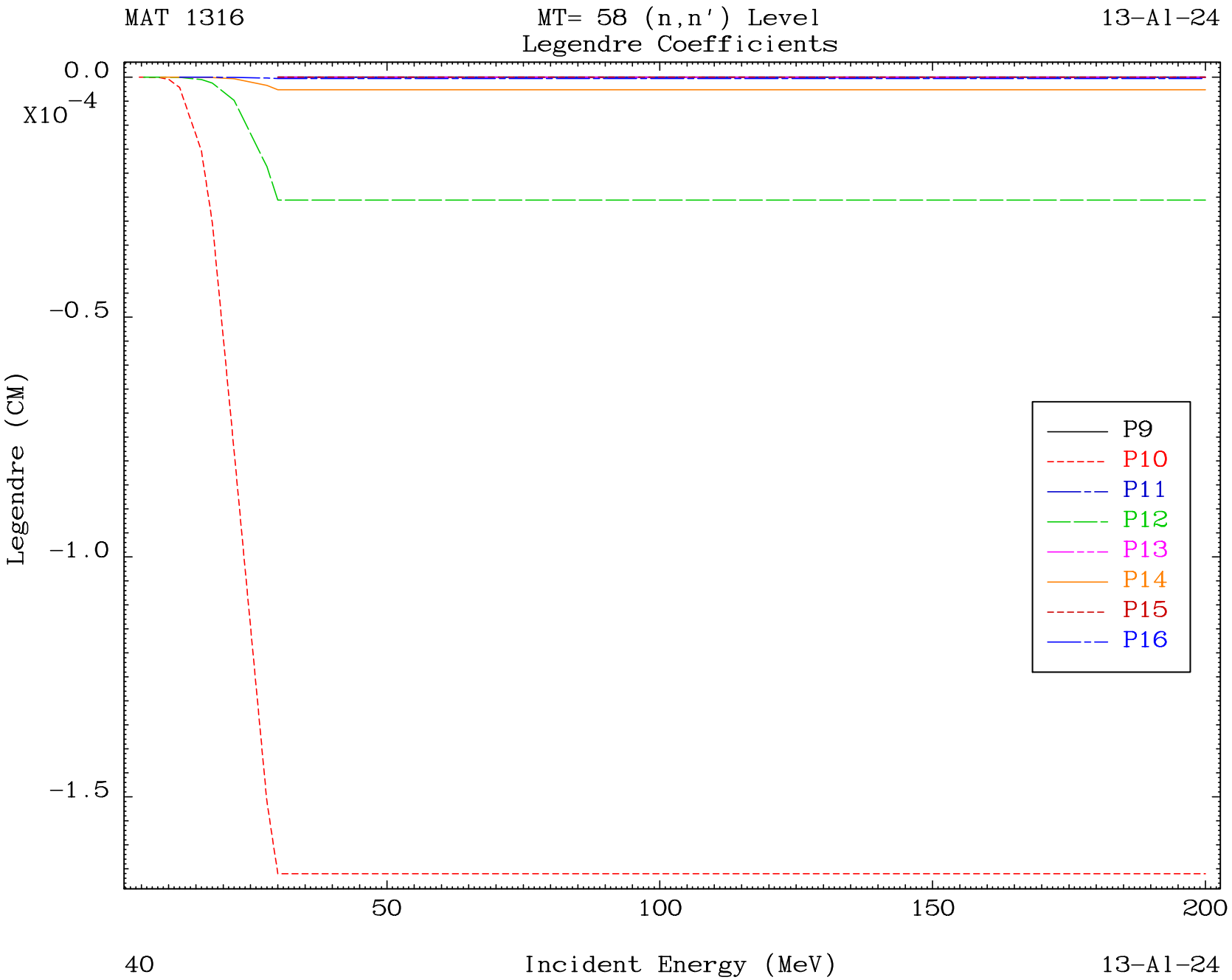

MAT 1316
MT= 56 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-8
-1
-2
-3
-4
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
35
50
100
150
200
Incident Energy (MeV)
13-Al-24

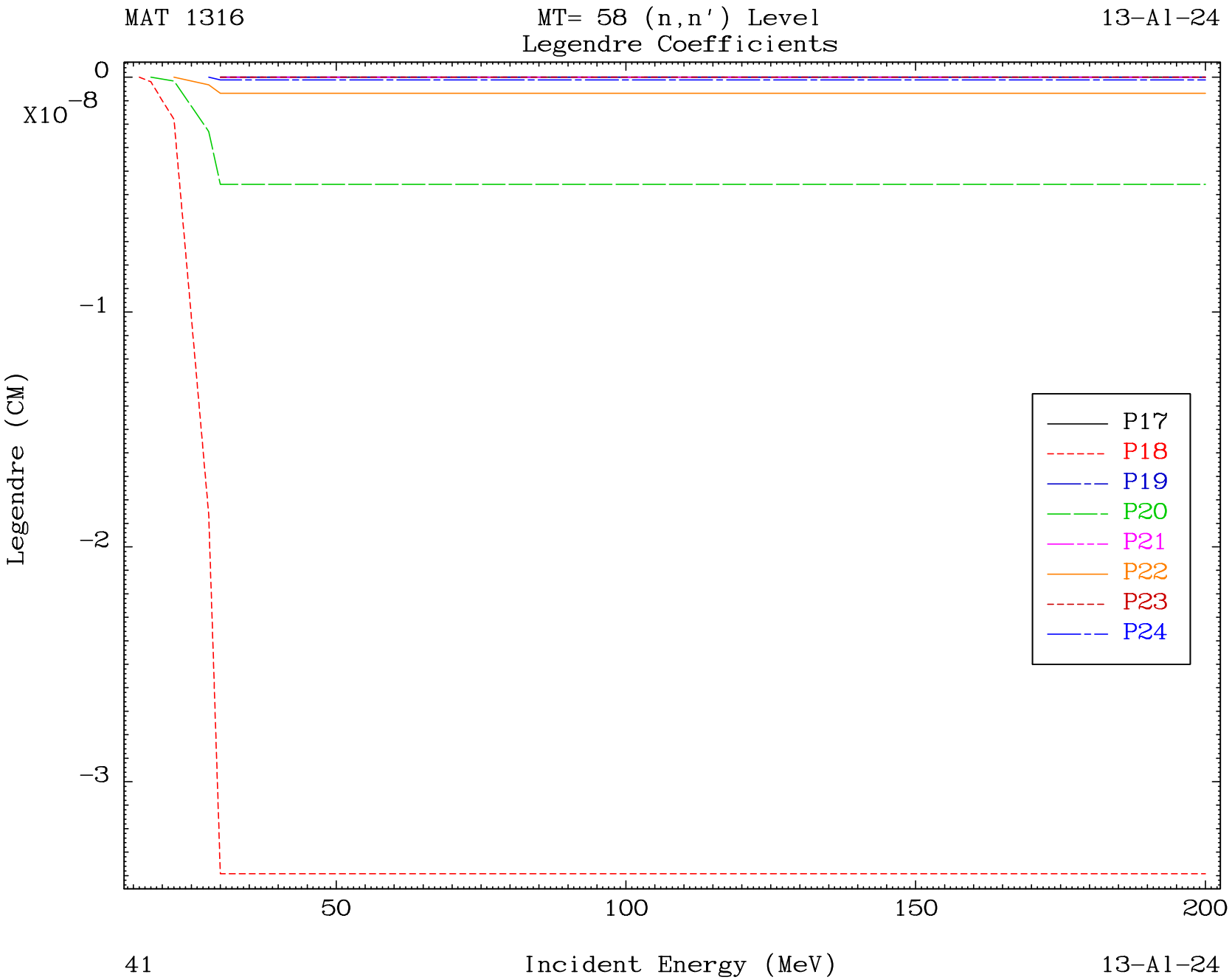

MAT 1316
MT= 57 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
36
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

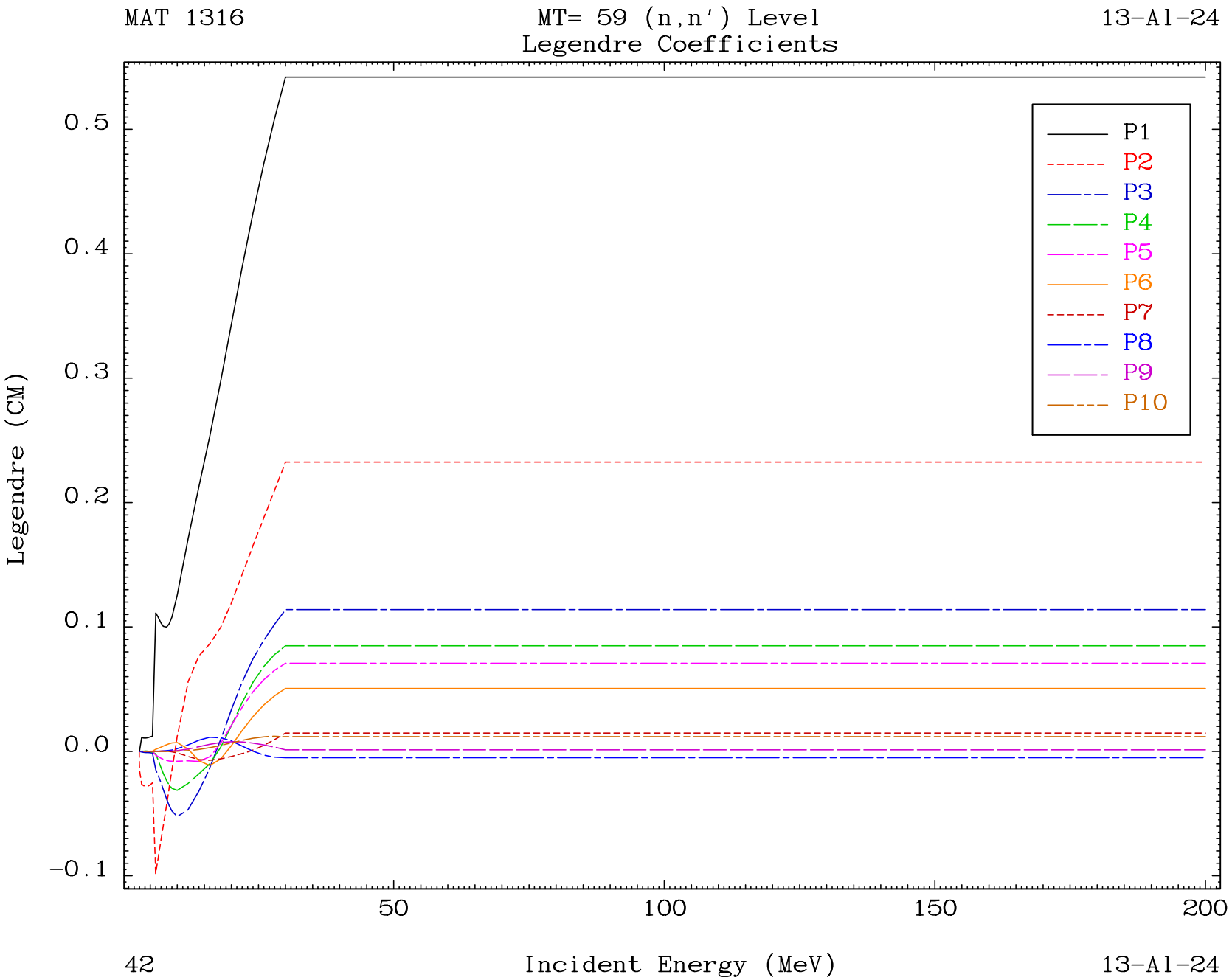

MAT 1316
MT= 57 (n,n') Level
Legendre Coefficients
13-Al-24
X10^-3
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

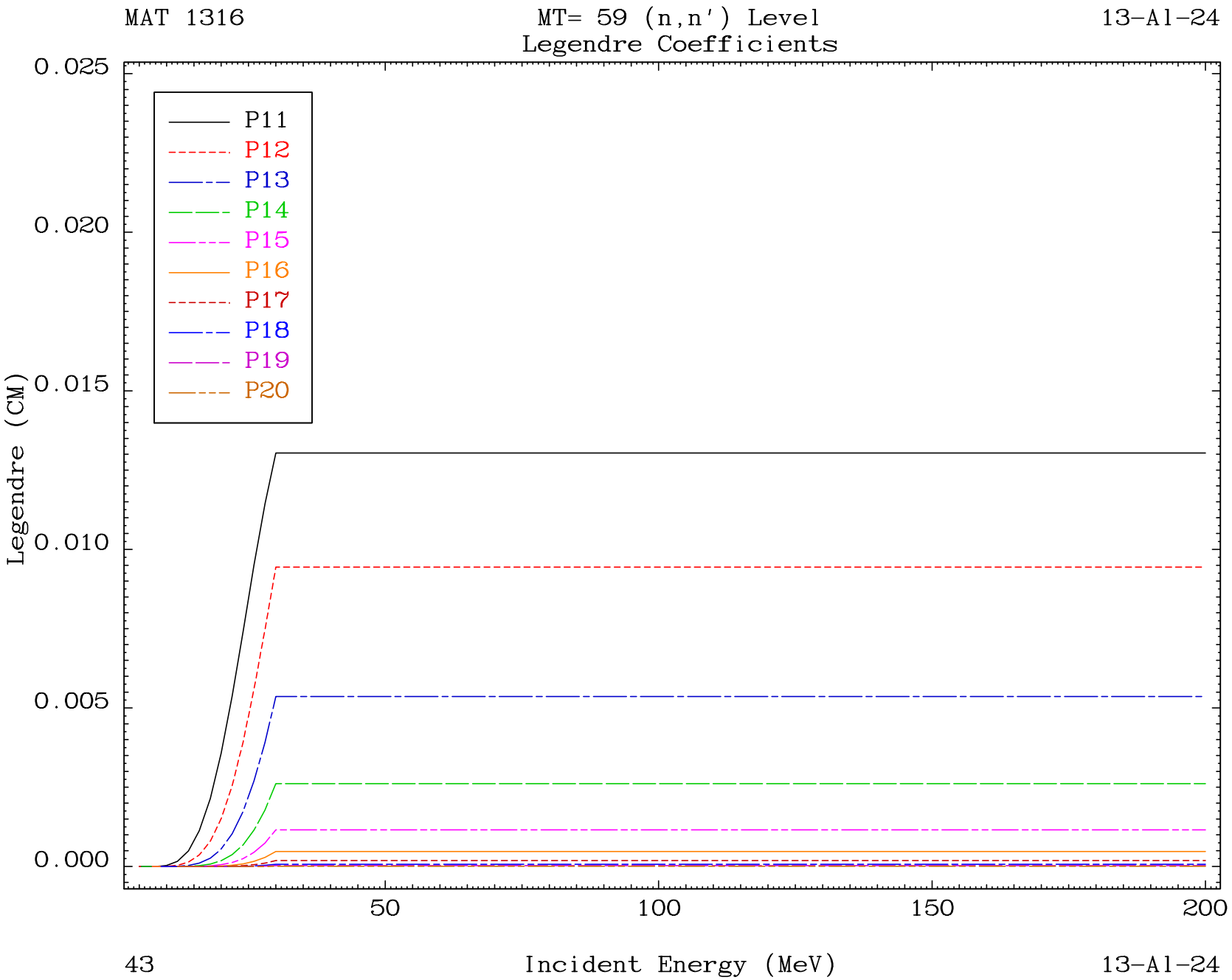

MAT 1316
MT= 57 (n,n') Level
Legendre Coefficients
13-Al-24
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
38
Incident Energy (MeV)
13-Al-24

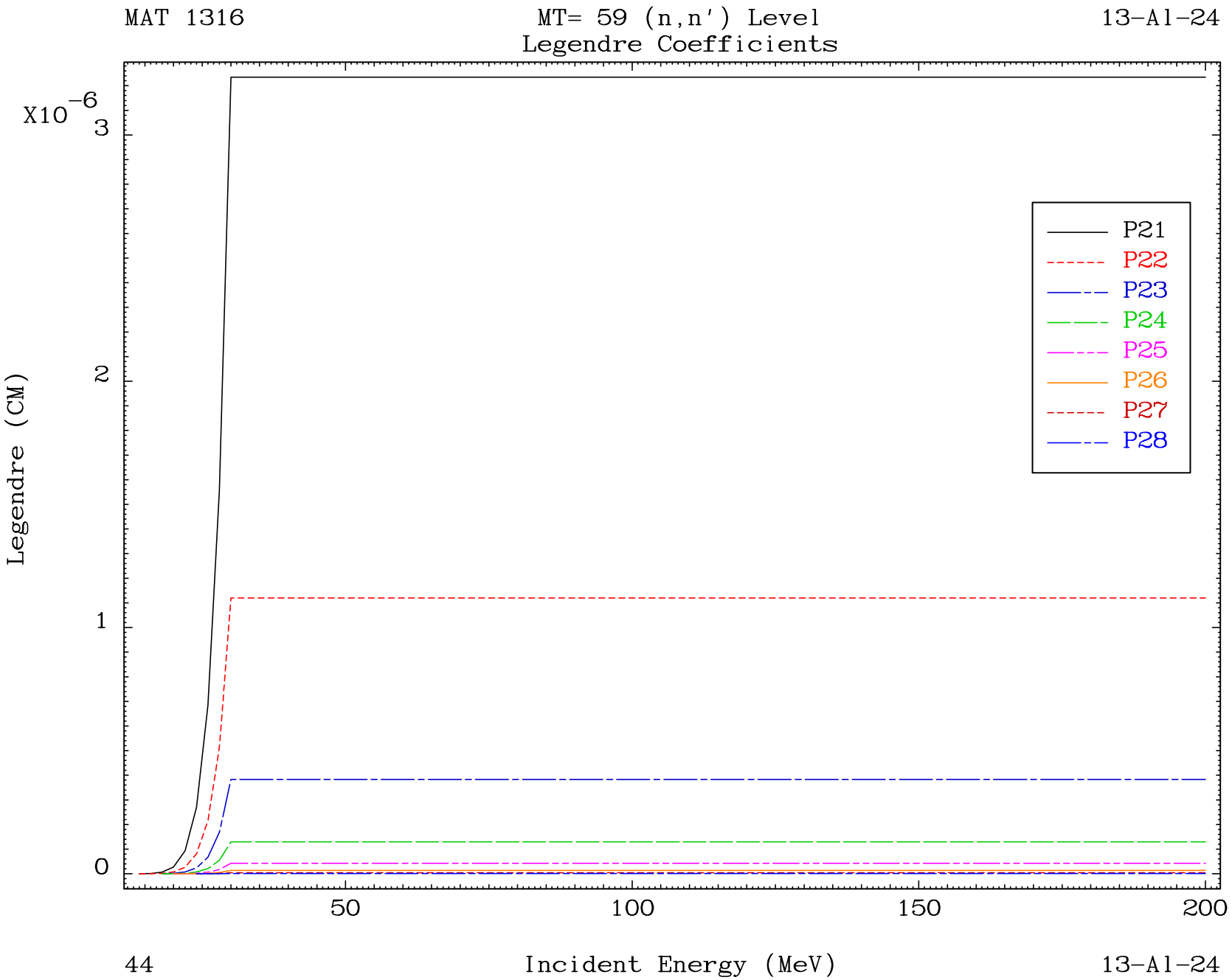

MAT 1316
MT= 58 (n,n') Level
Legendre Coefficients
13-Al-24
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
39
Incident Energy (MeV)
13-Al-24

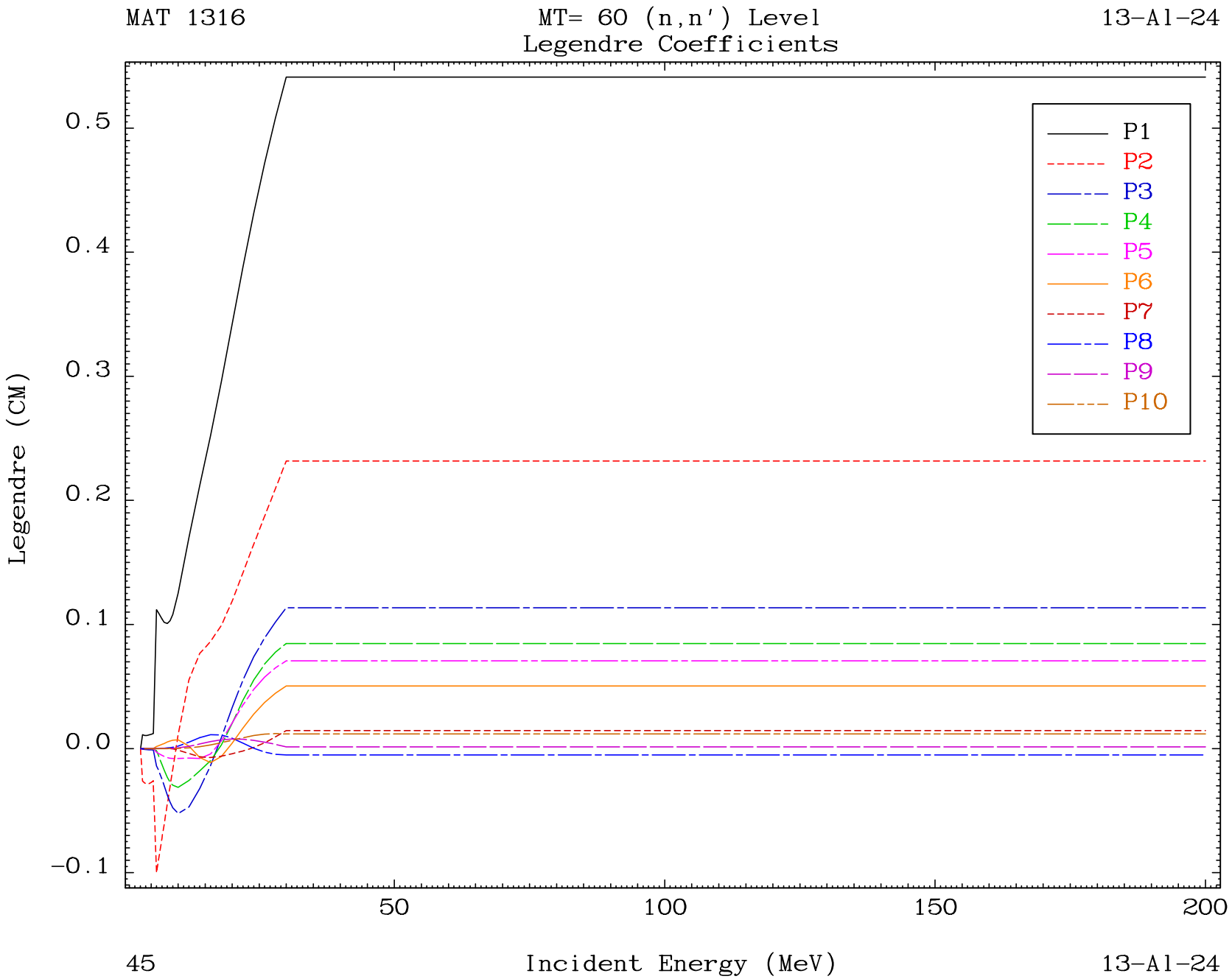

MAT 1316
MT= 58 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-4
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
40
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

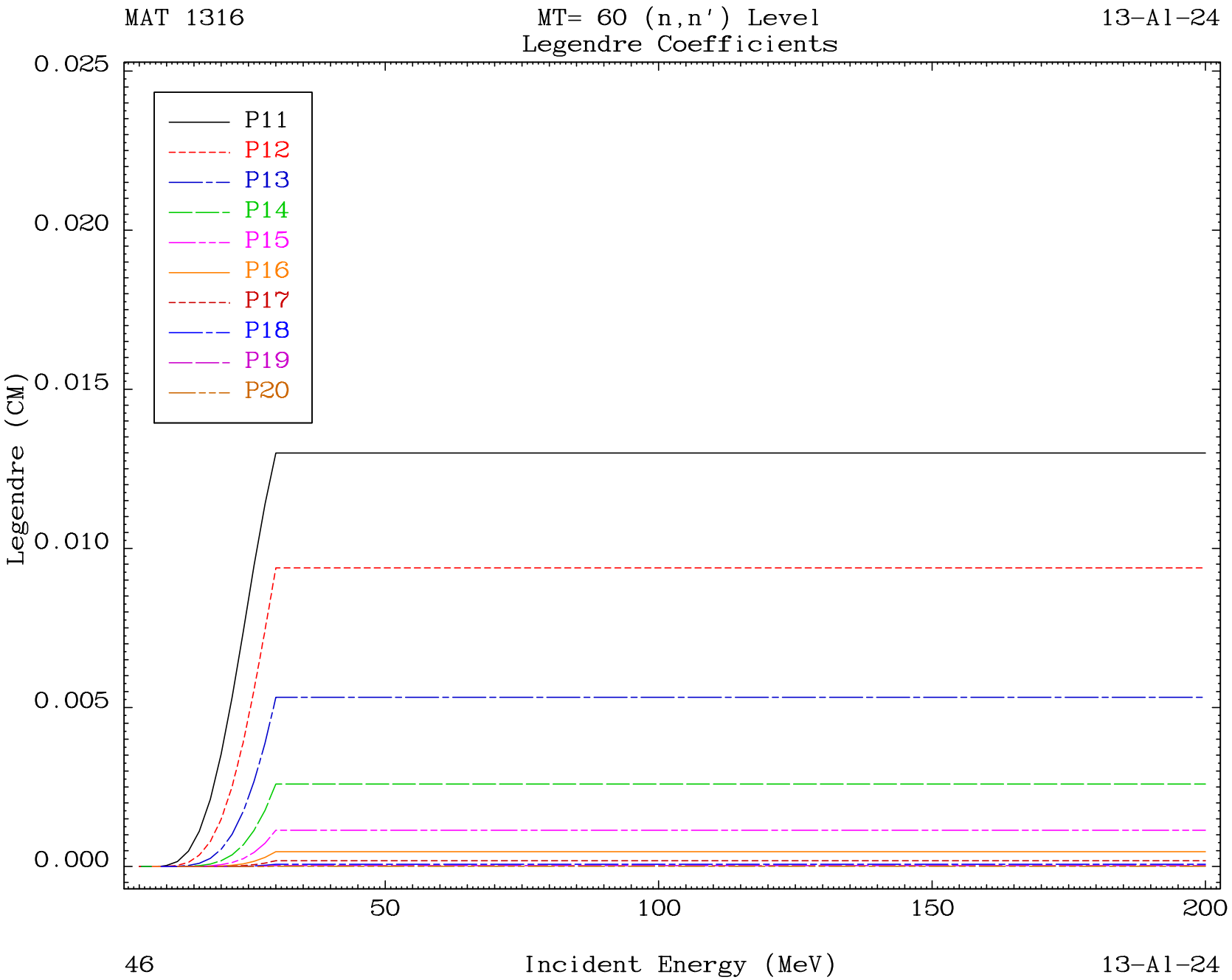

MAT 1316
MT= 58 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-8
-1
-2
-3
Legendre (CM)
50
100
150
200
41
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

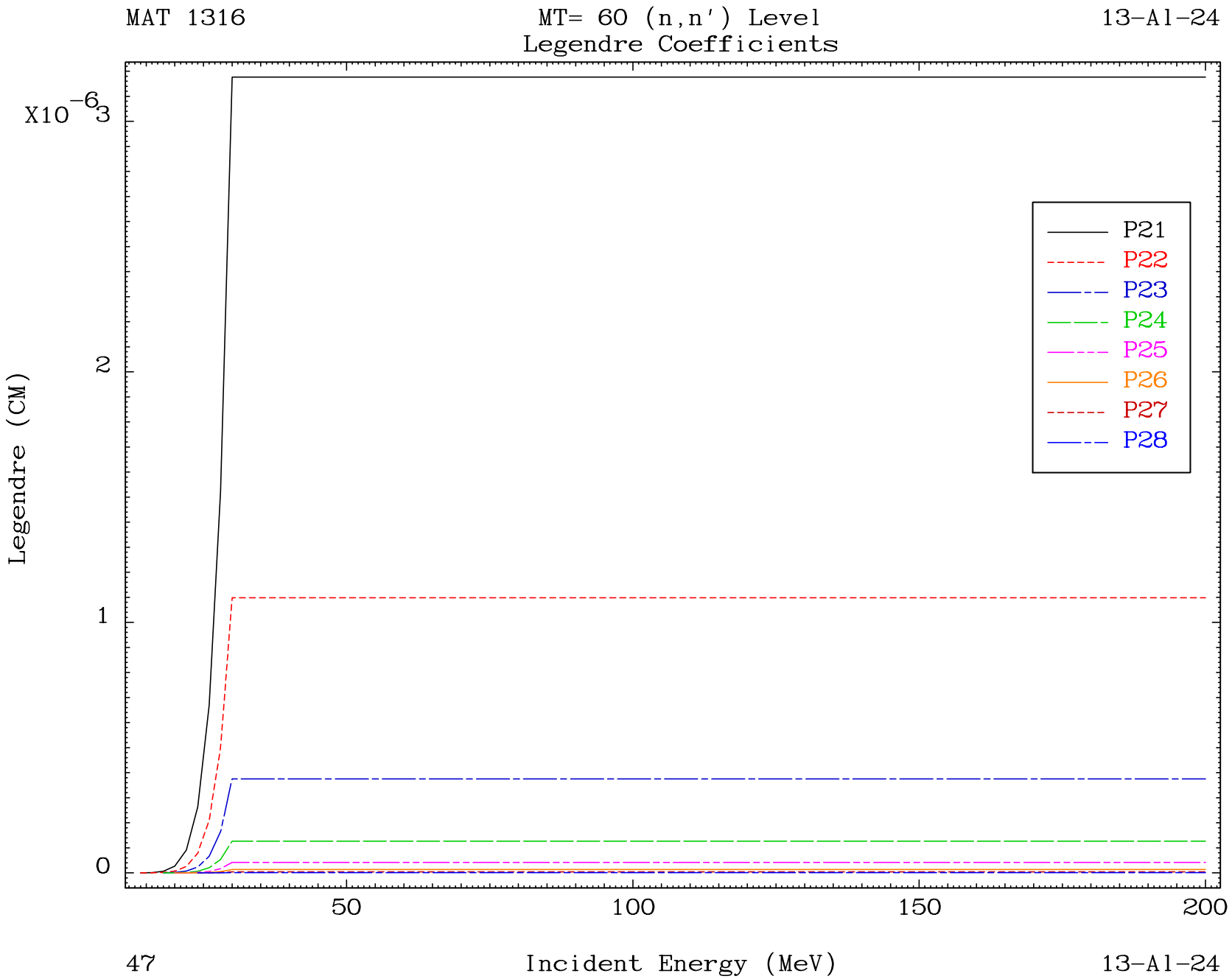

MAT 1316
MT= 59 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
42
Incident Energy (MeV)
13-Al-24

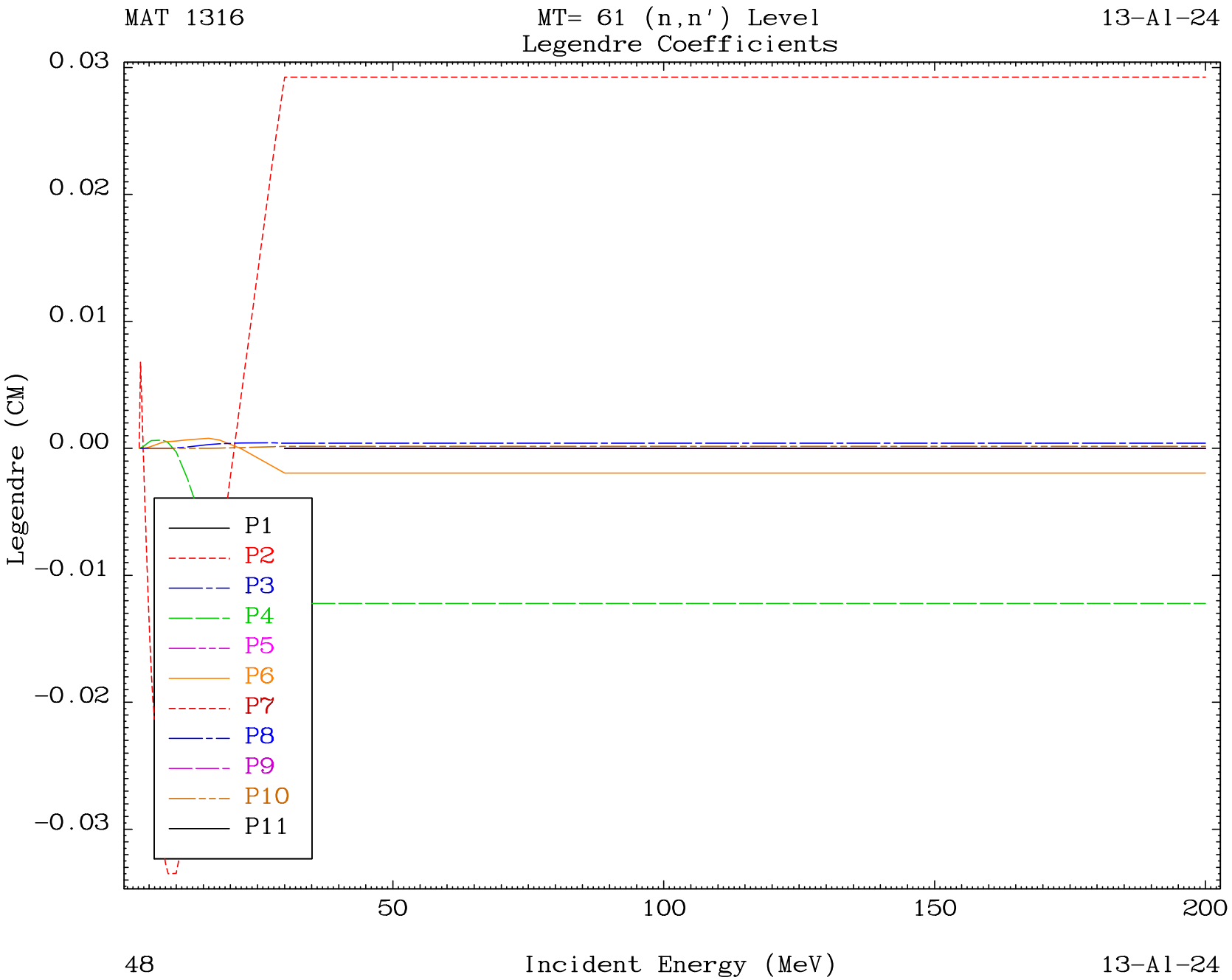

MAT 1316
MT= 59 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
43
Incident Energy (MeV)
13-Al-24

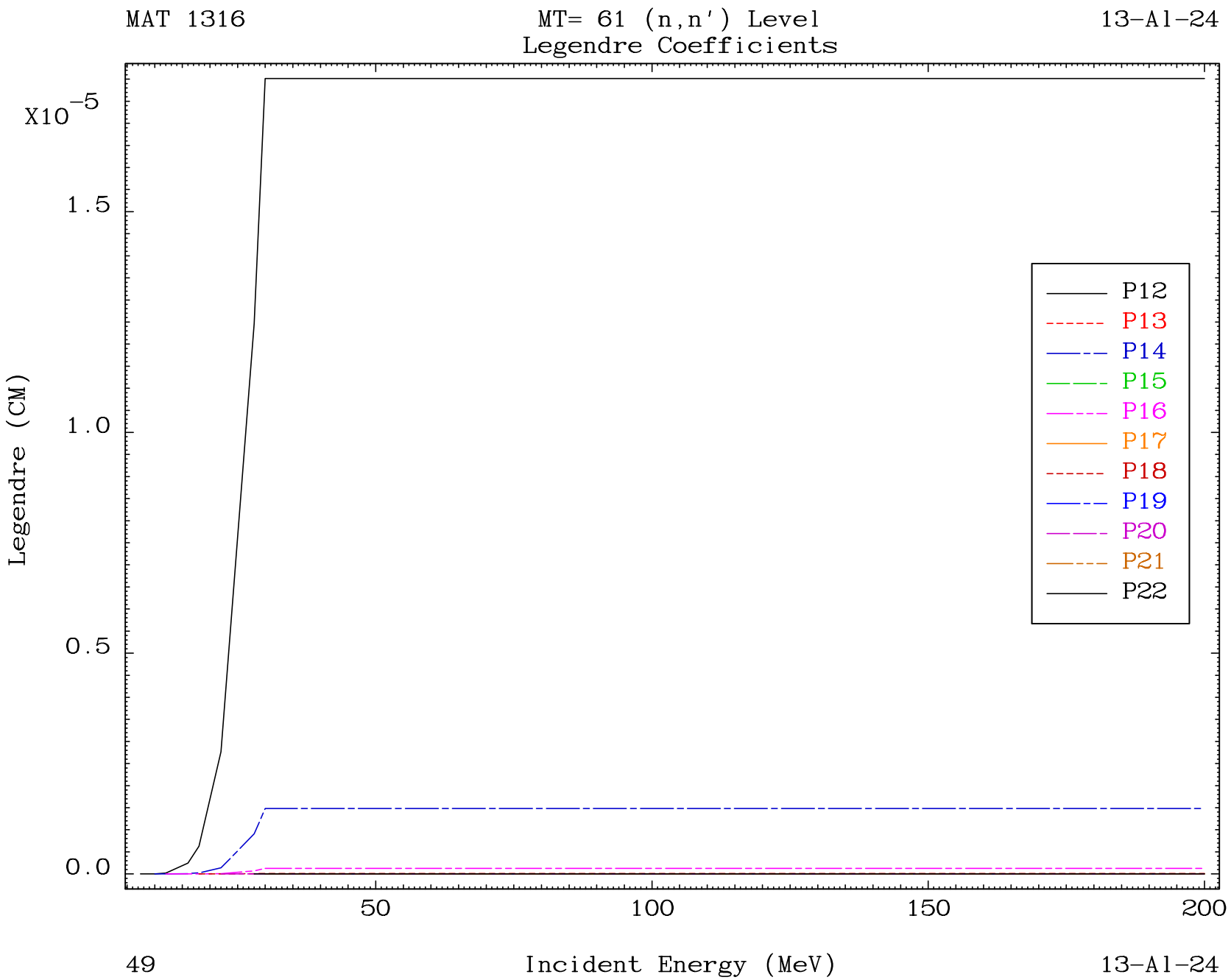

MAT 1316
MT= 59 (n,n') Level
Legendre Coefficients
13-Al-24
X10 -6
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
44
Incident Energy (MeV)
13-Al-24

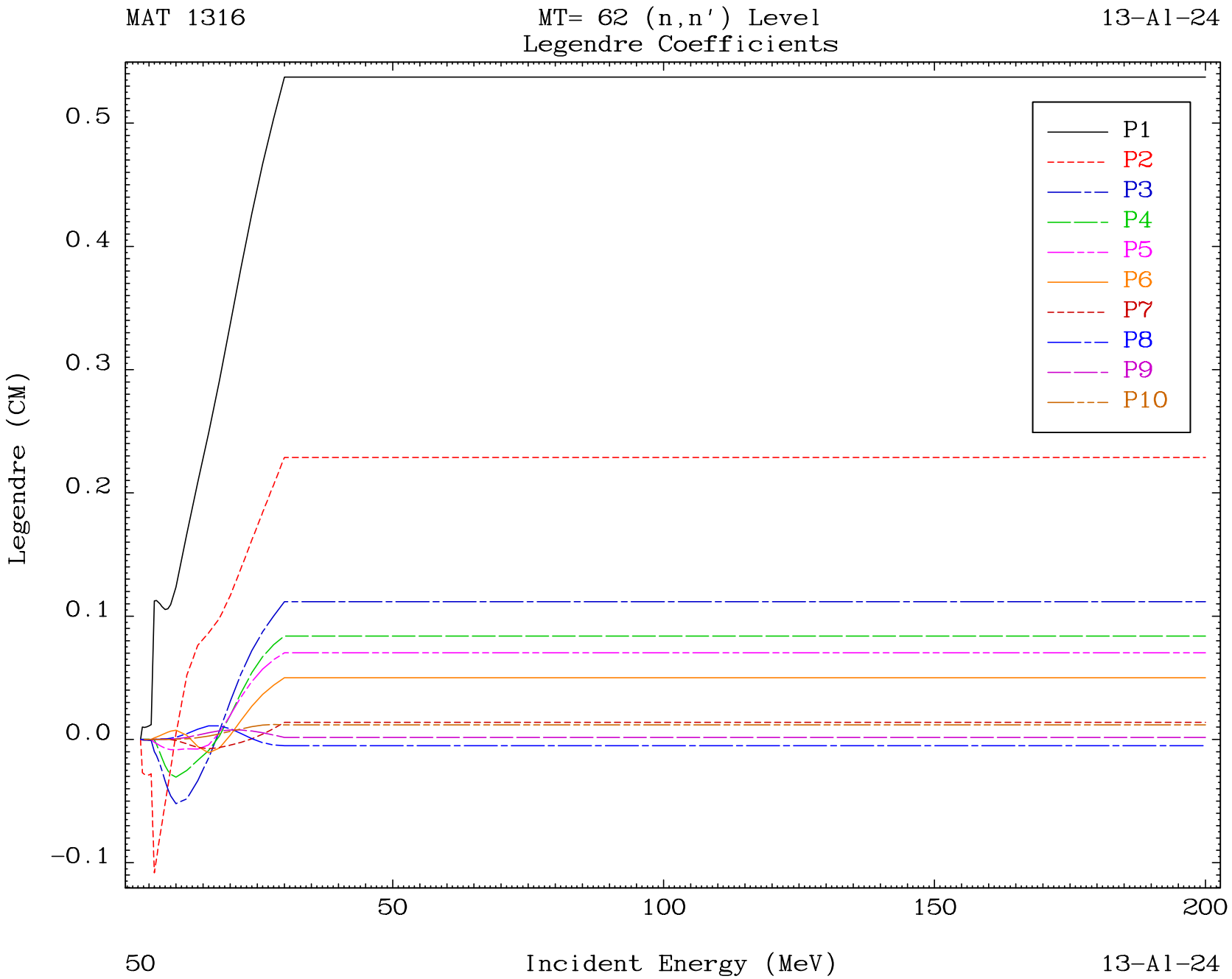

MAT 1316
MT= 60 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
45
Incident Energy (MeV)
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

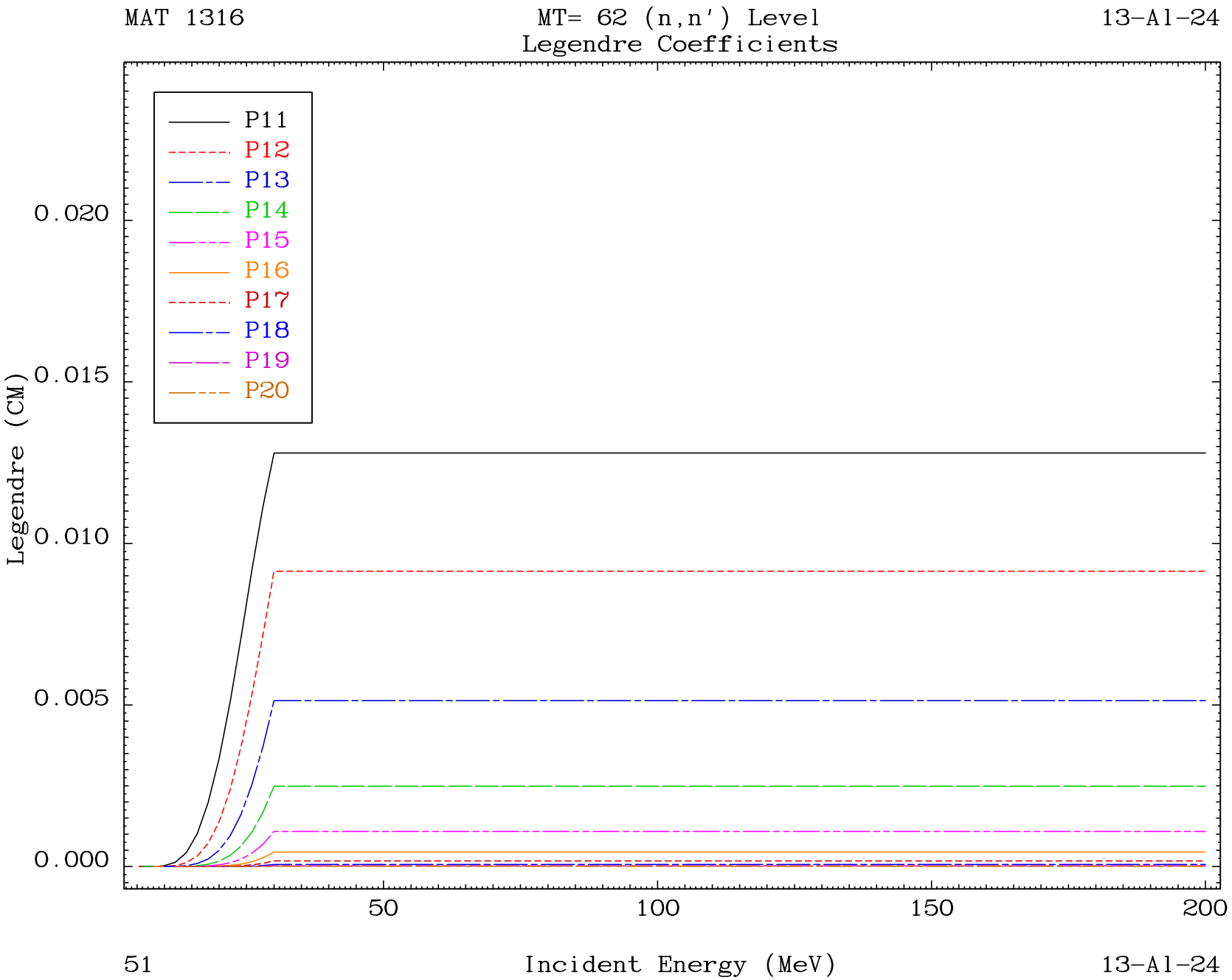

MAT 1316
MT= 60 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
13-Al-24

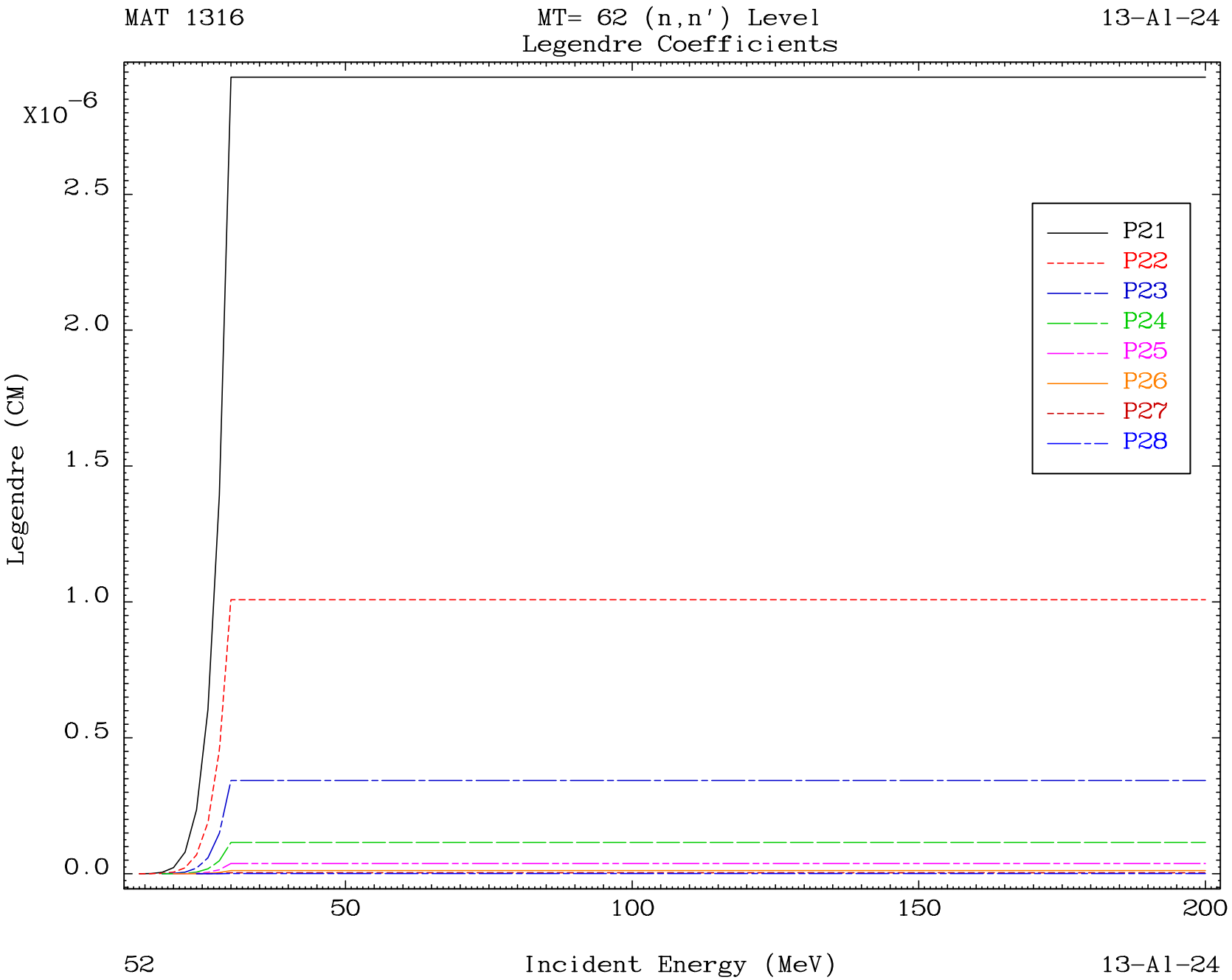

MAT 1316
MT= 60 (n,n') Level
Legendre Coefficients
13-Al-24
X10 -6
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
47
Incident Energy (MeV)
13-Al-24

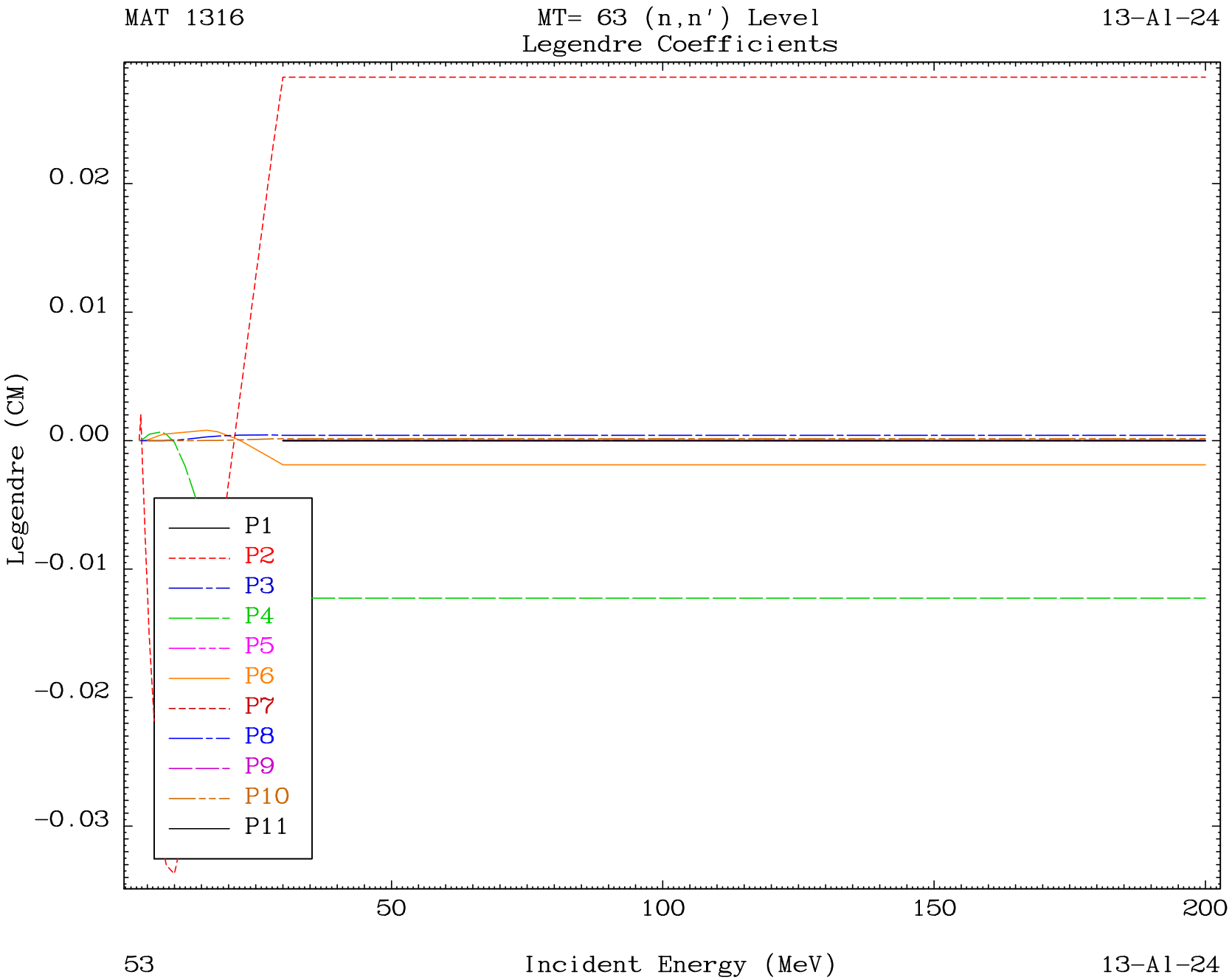

MAT 1316
MT= 61 (n,n') Level
Legendre Coefficients
13-Al-24
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
50
100
150
200
48
Incident Energy (MeV)
13-Al-24

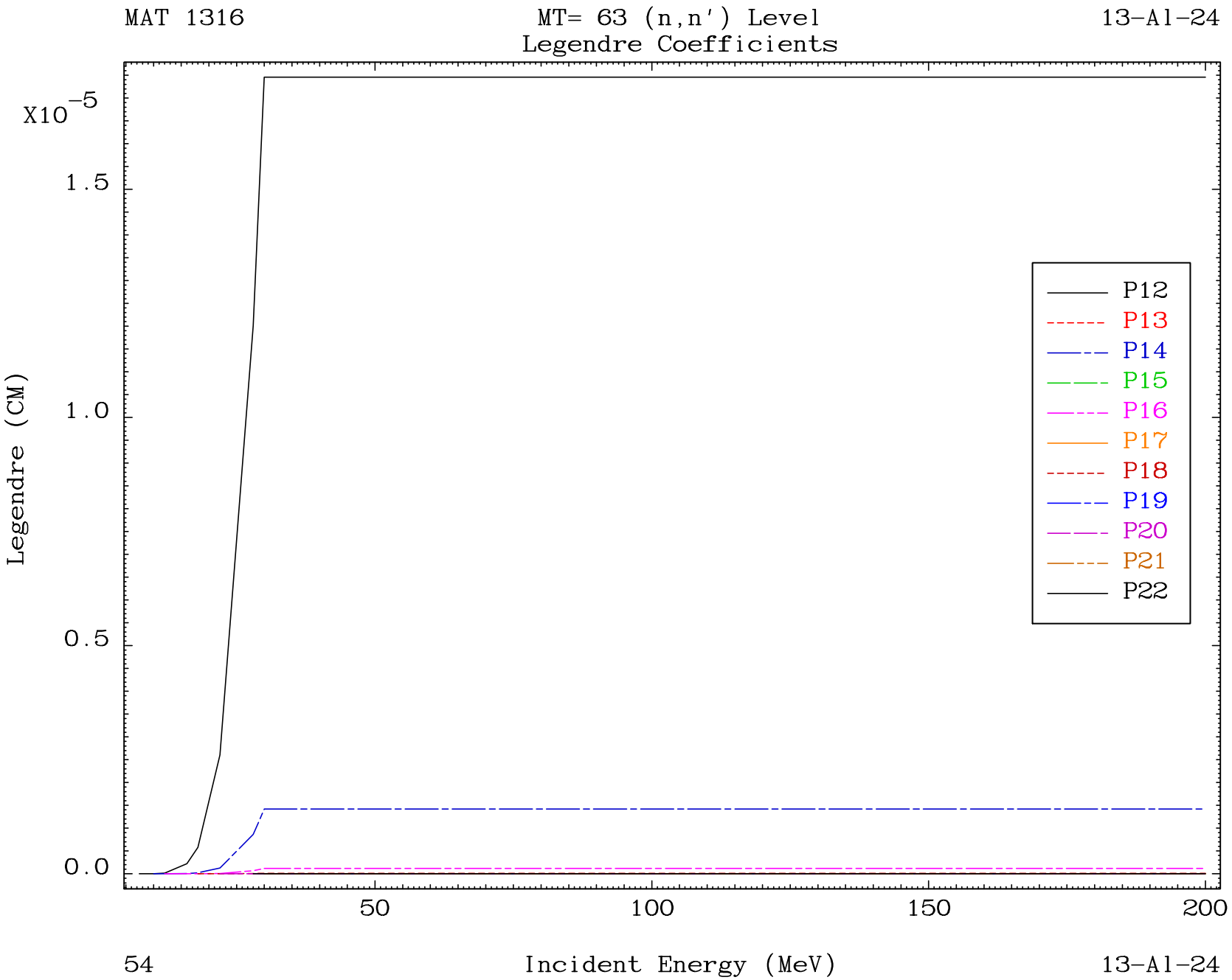

MAT 1316
MT= 61 (n,n') Level
Legendre Coefficients
13-Al-24
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
13-Al-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

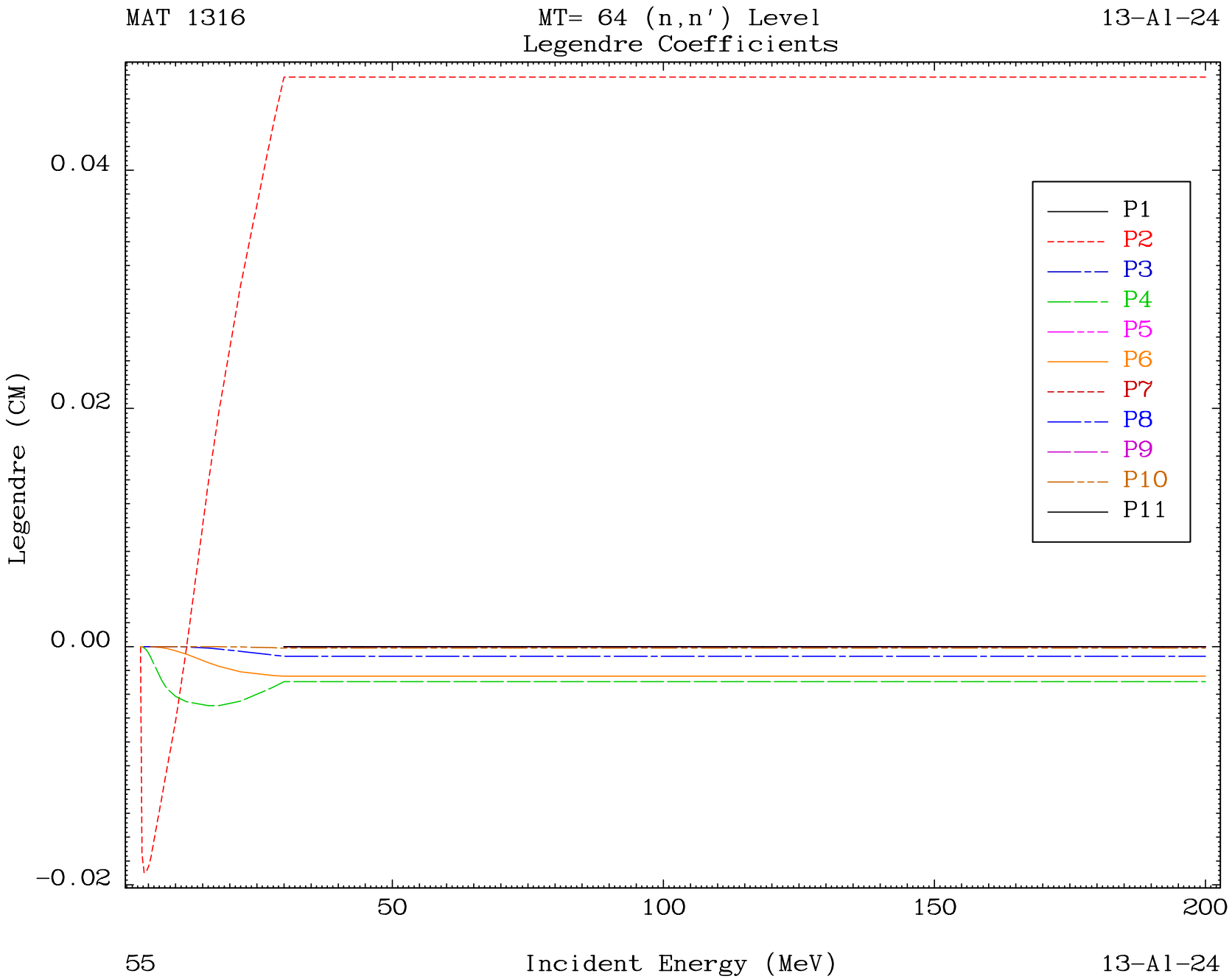

MAT 1316
MT= 62 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
Incident Energy (MeV)
13-Al-24

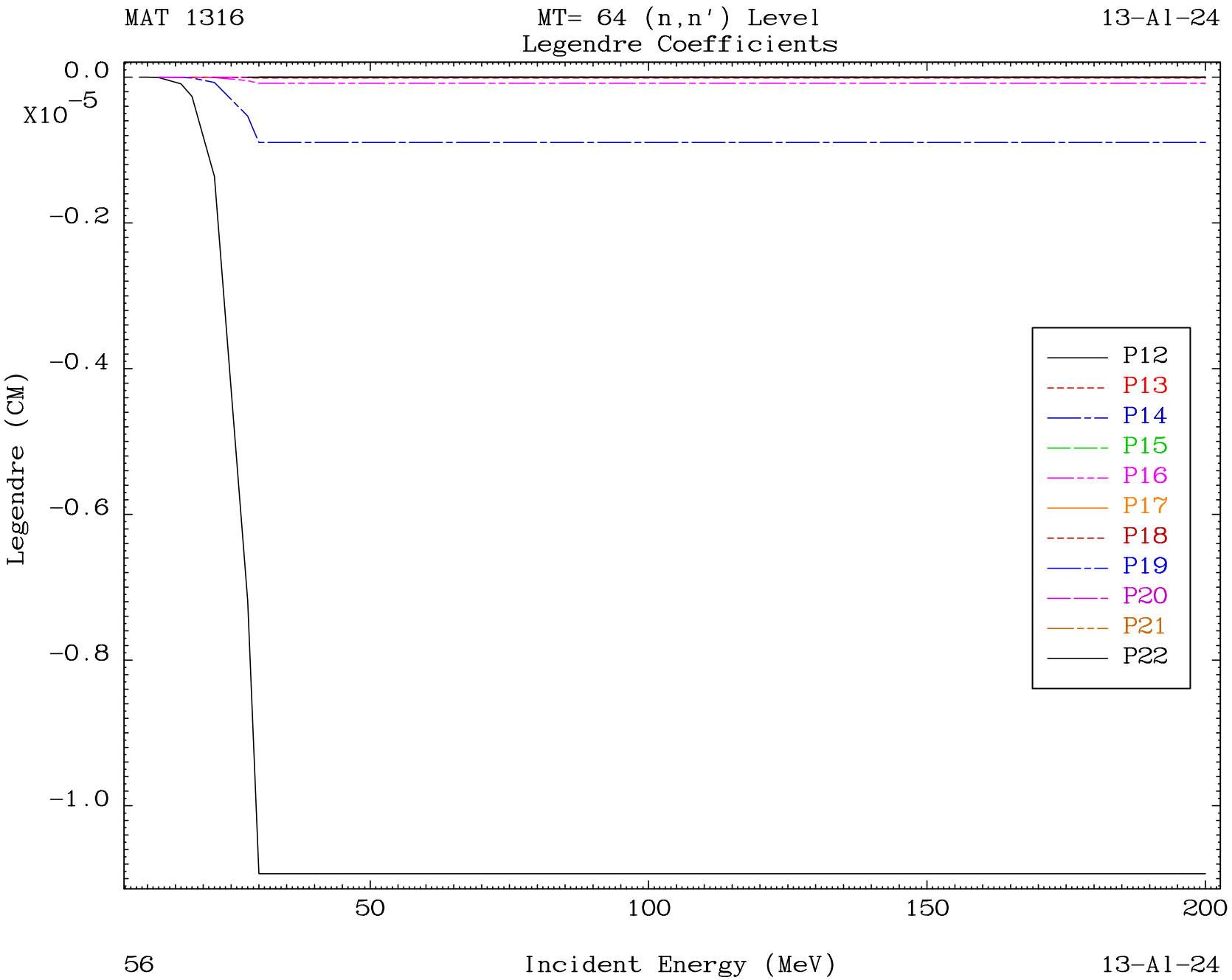

MAT 1316
MT= 62 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
Legendre (CM)
0.020
0.015
0.010
0.005
0.000
50
100
150
200
51
Incident Energy (MeV)
13-Al-24

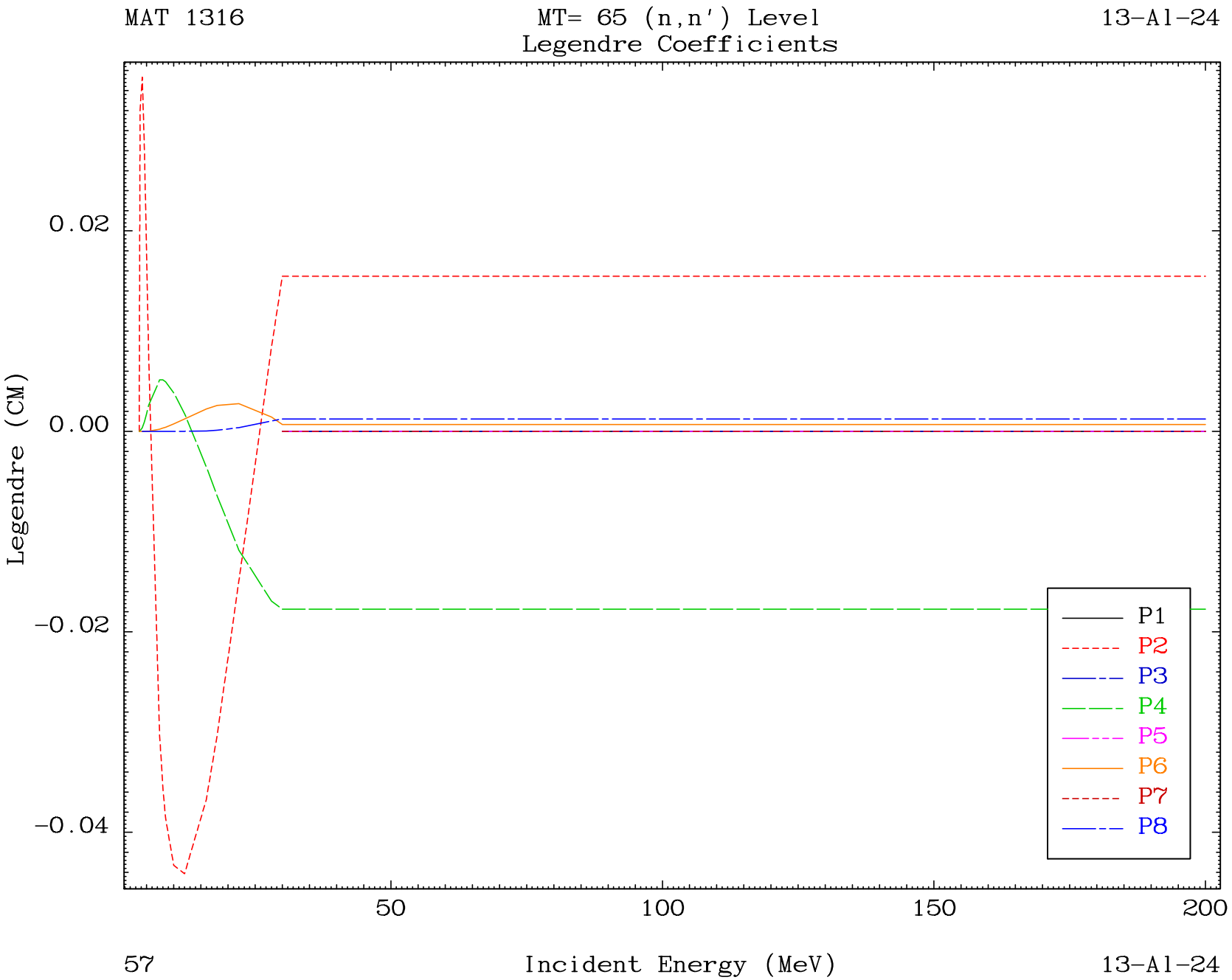

MAT 1316
MT= 62 (n,n') Level
Legendre Coefficients
13-Al-24
X10^{-6}
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
52
Incident Energy (MeV)
13-Al-24

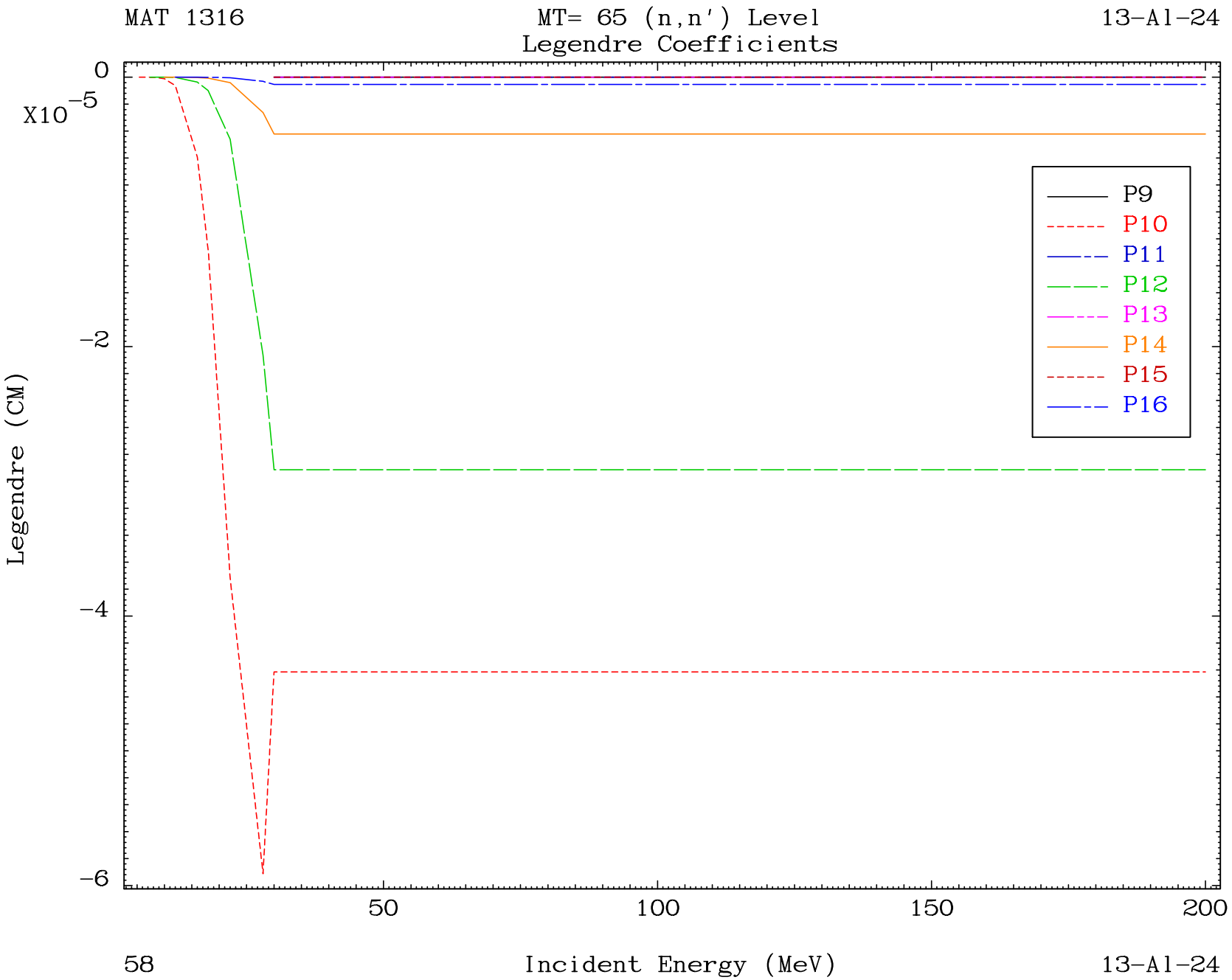

MAT 1316
MT= 63 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
50
100
150
200
53
Incident Energy (MeV)
13-Al-24

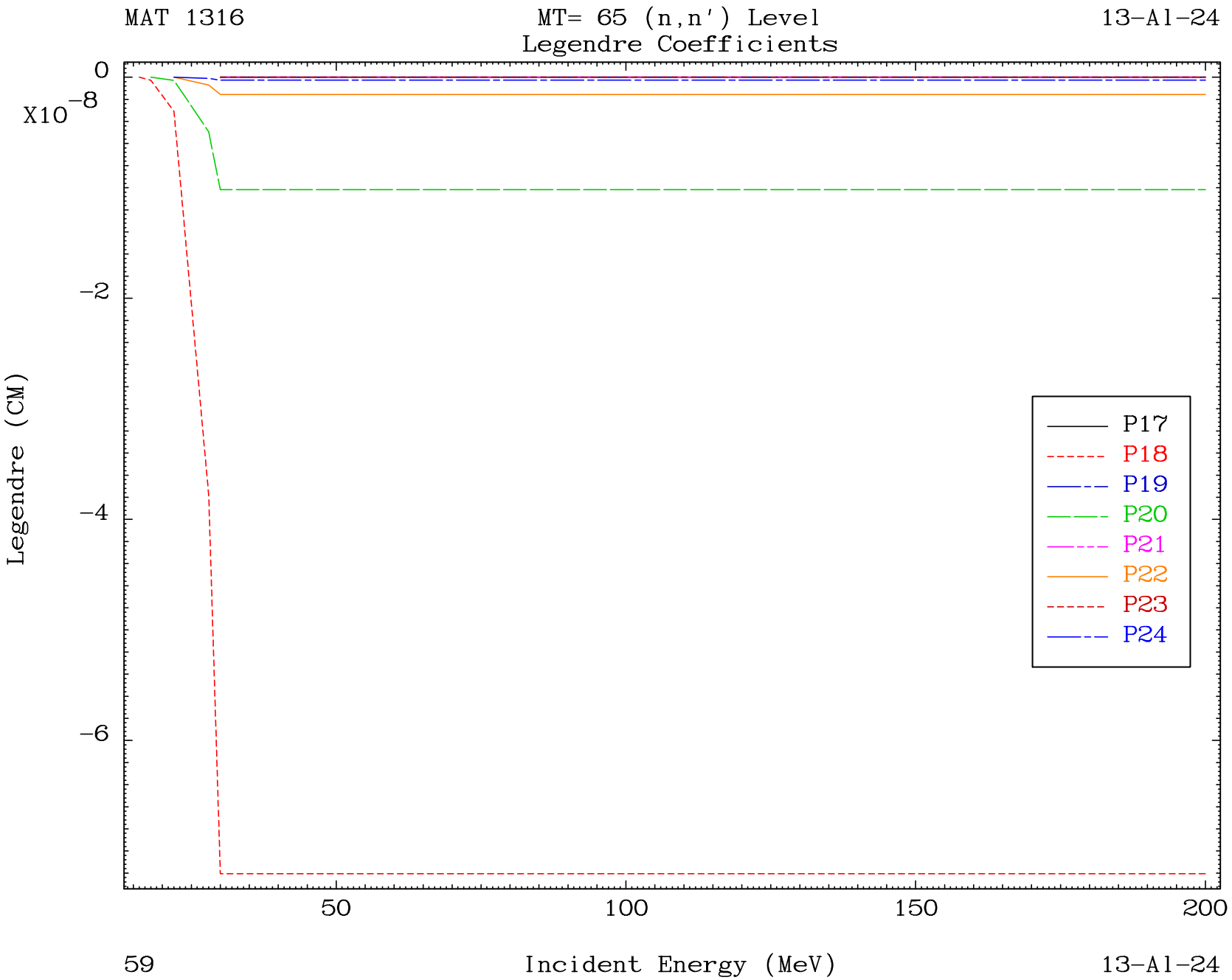

MAT 1316
MT= 63 (n,n') Level
Legendre Coefficients
13-Al-24
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
13-Al-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

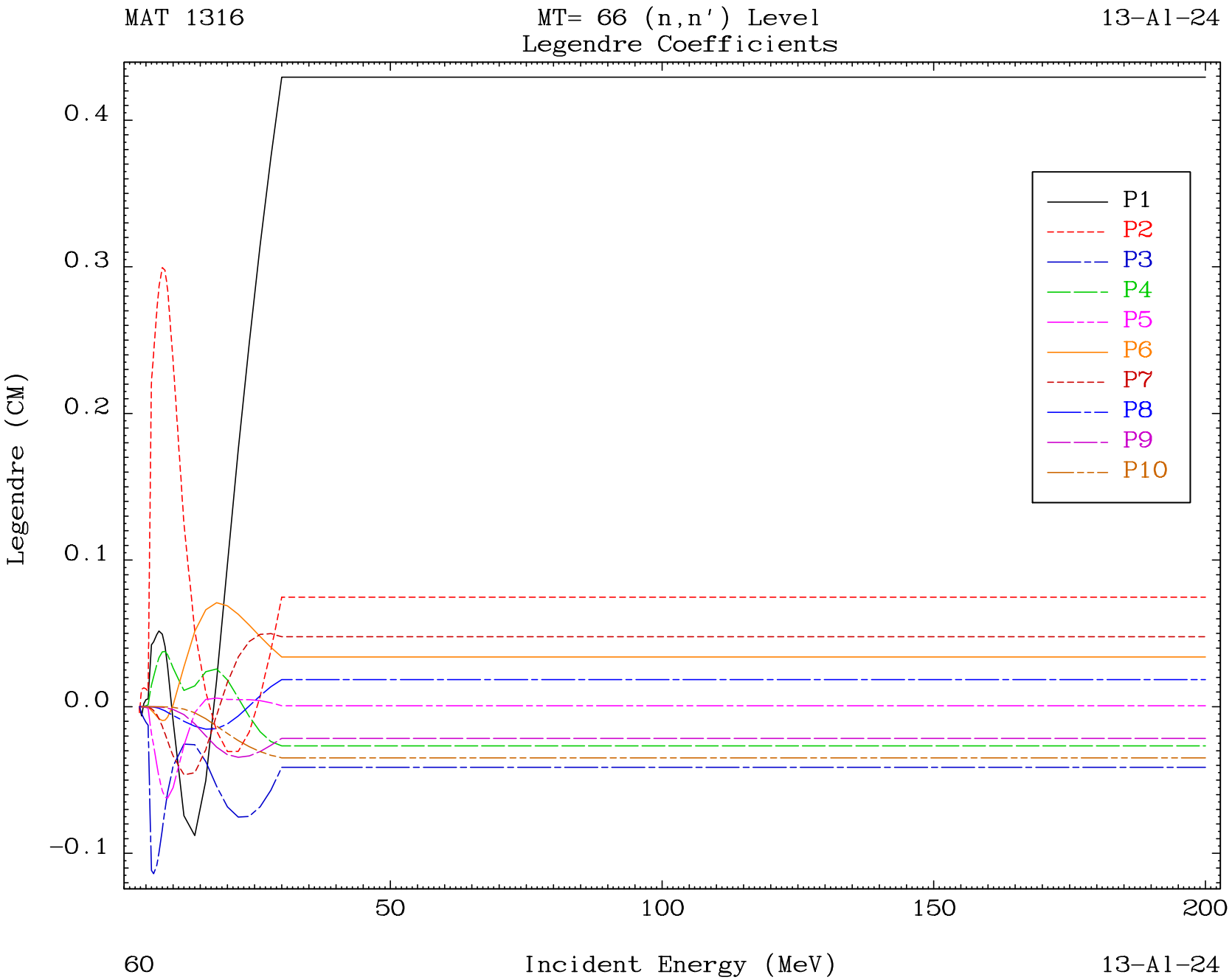

MAT 1316
MT= 64 (n,n') Level
Legendre Coefficients
13-Al-24
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
50
100
150
200
55
Incident Energy (MeV)
13-Al-24

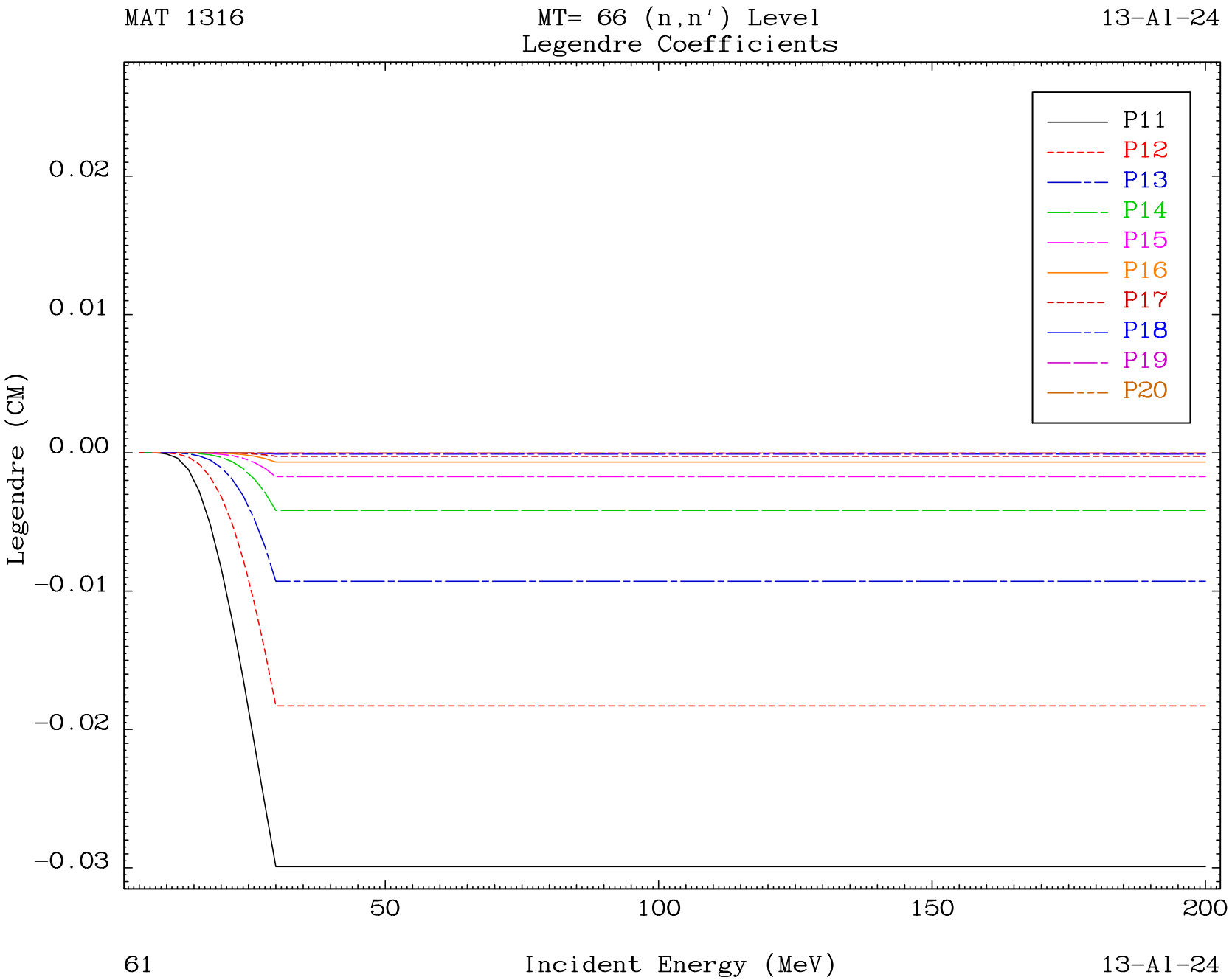

MAT 1316
MT= 64 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
56
Incident Energy (MeV)
13-Al-24

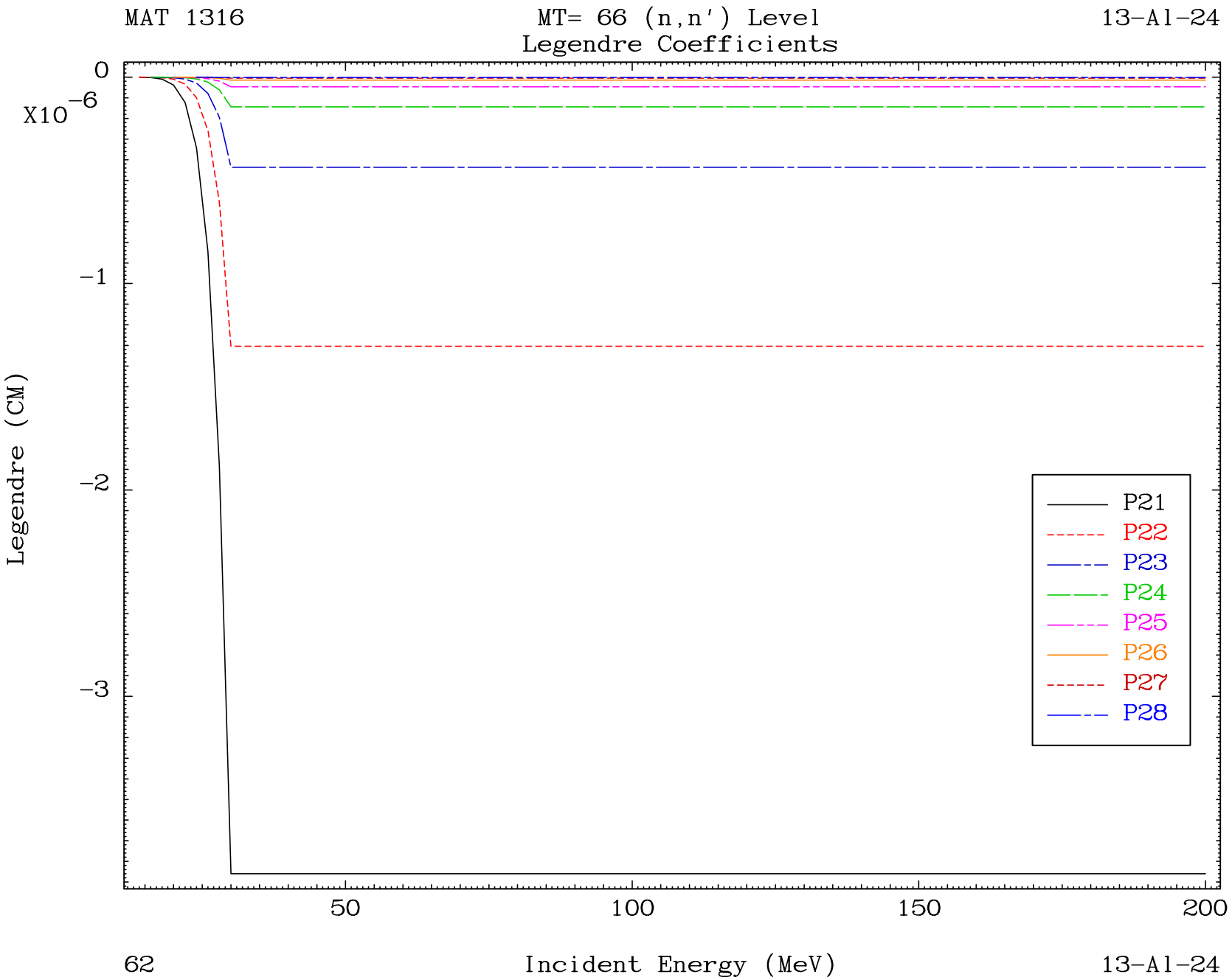

MAT 1316
MT= 65 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8

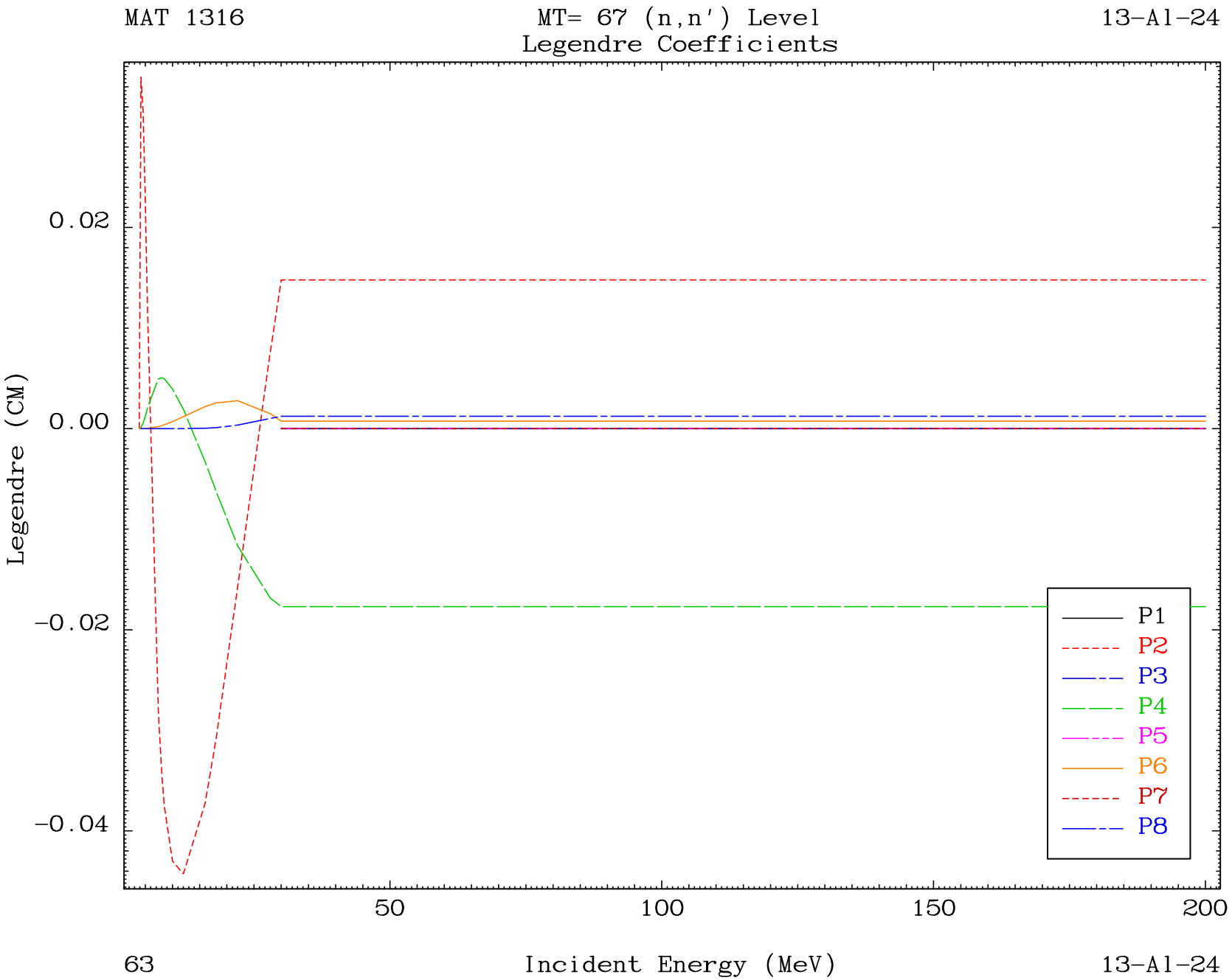

MAT 1316
MT= 65 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 −5
−2
−4
−6
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

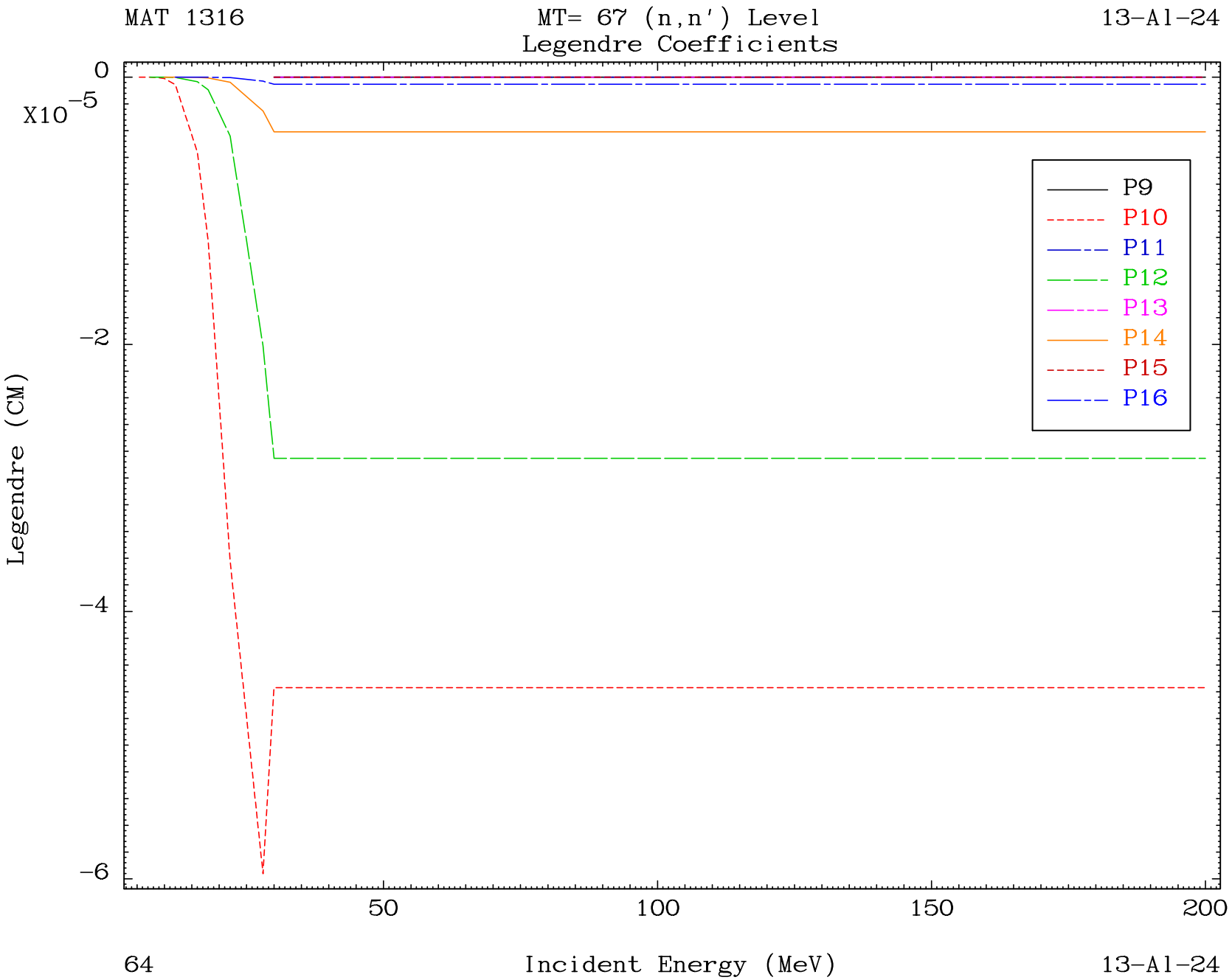

MAT 1316
MT= 65 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-8
-2
-4
-6
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
59
Incident Energy (MeV)
13-Al-24

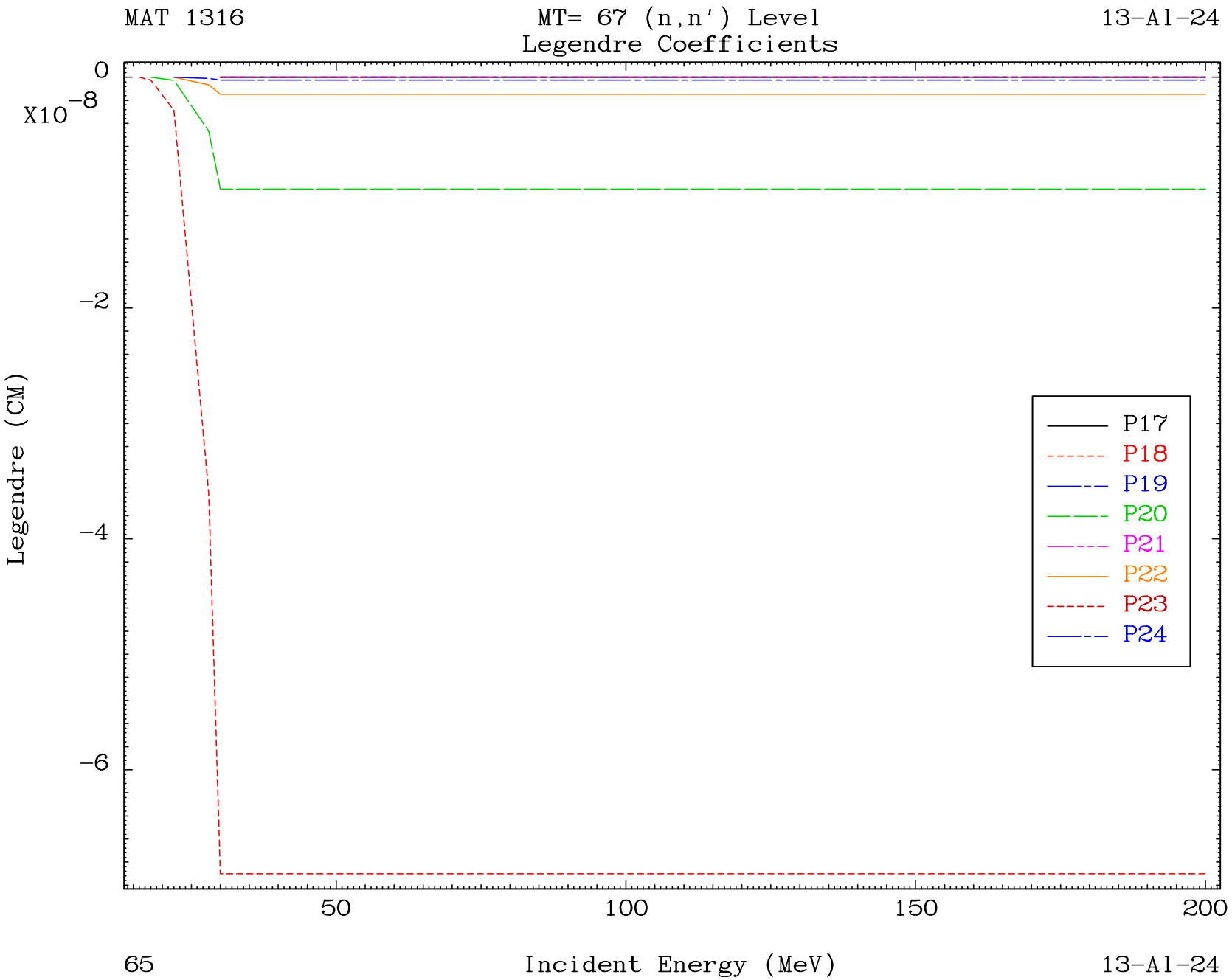

MAT 1316
MT= 66 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
60
Incident Energy (MeV)
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

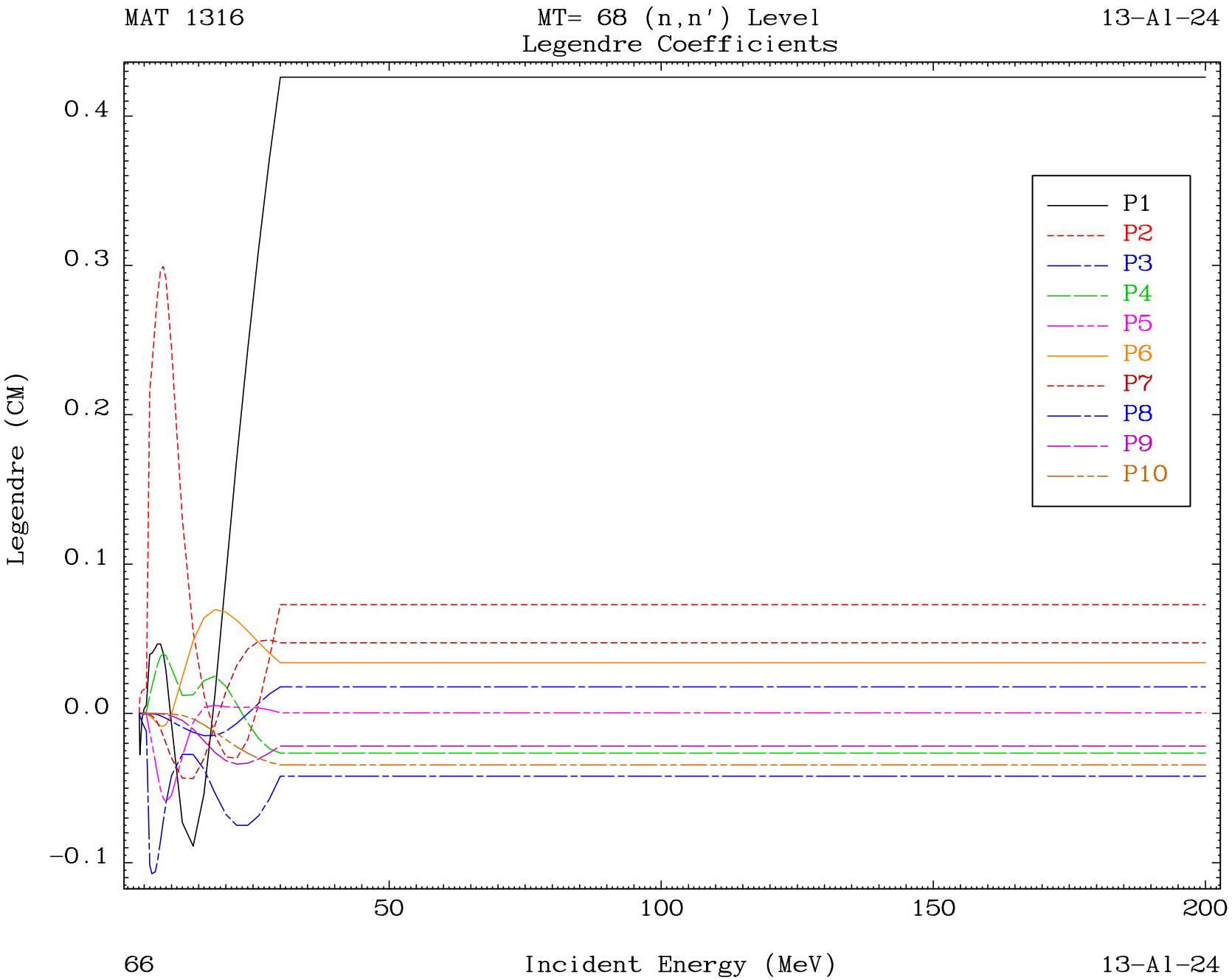

MAT 1316
MT= 66 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
13-Al-24

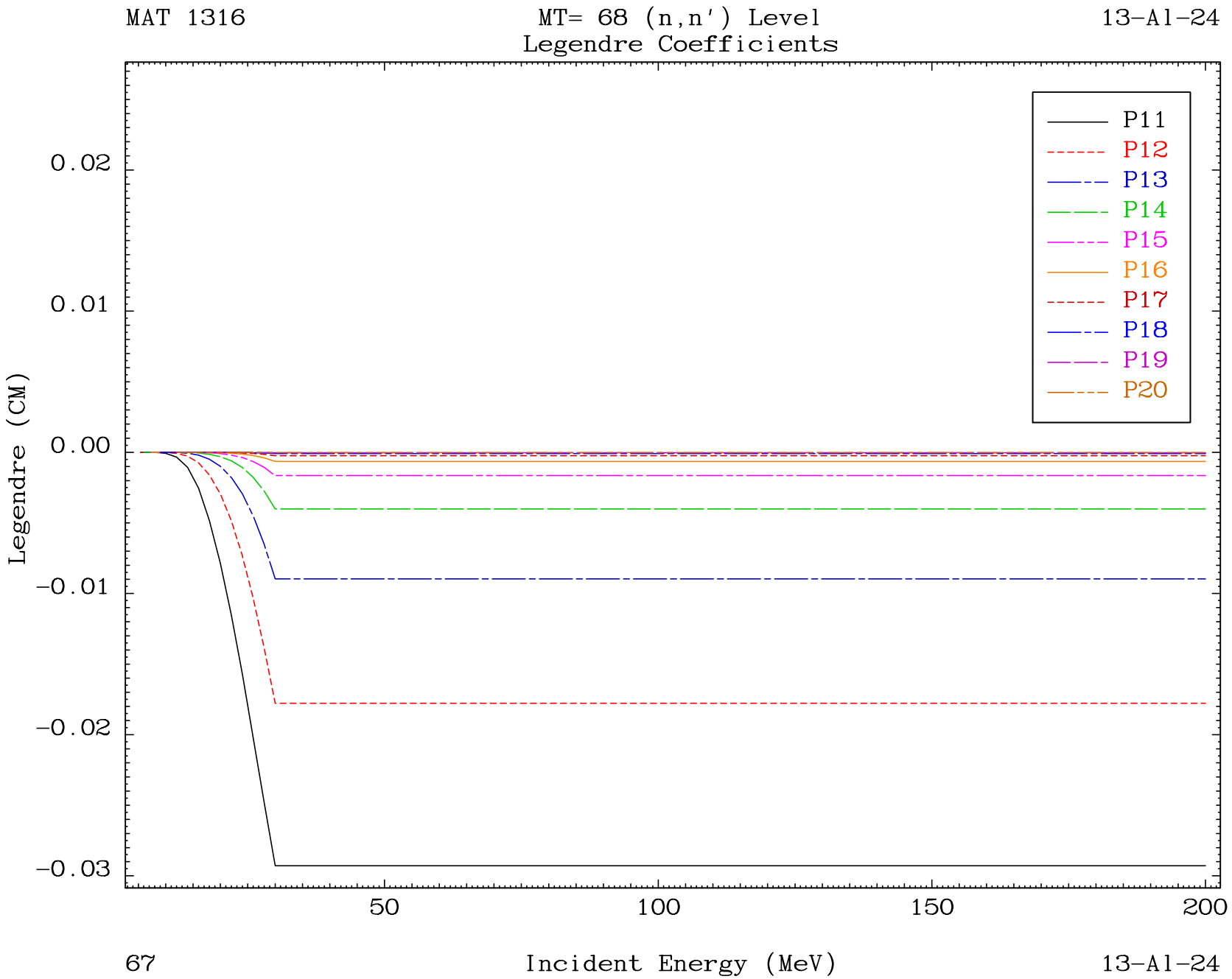

MAT 1316
MT= 66 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
13-Al-24
P21
P22
P23
P24
P25
P26
P27
P28

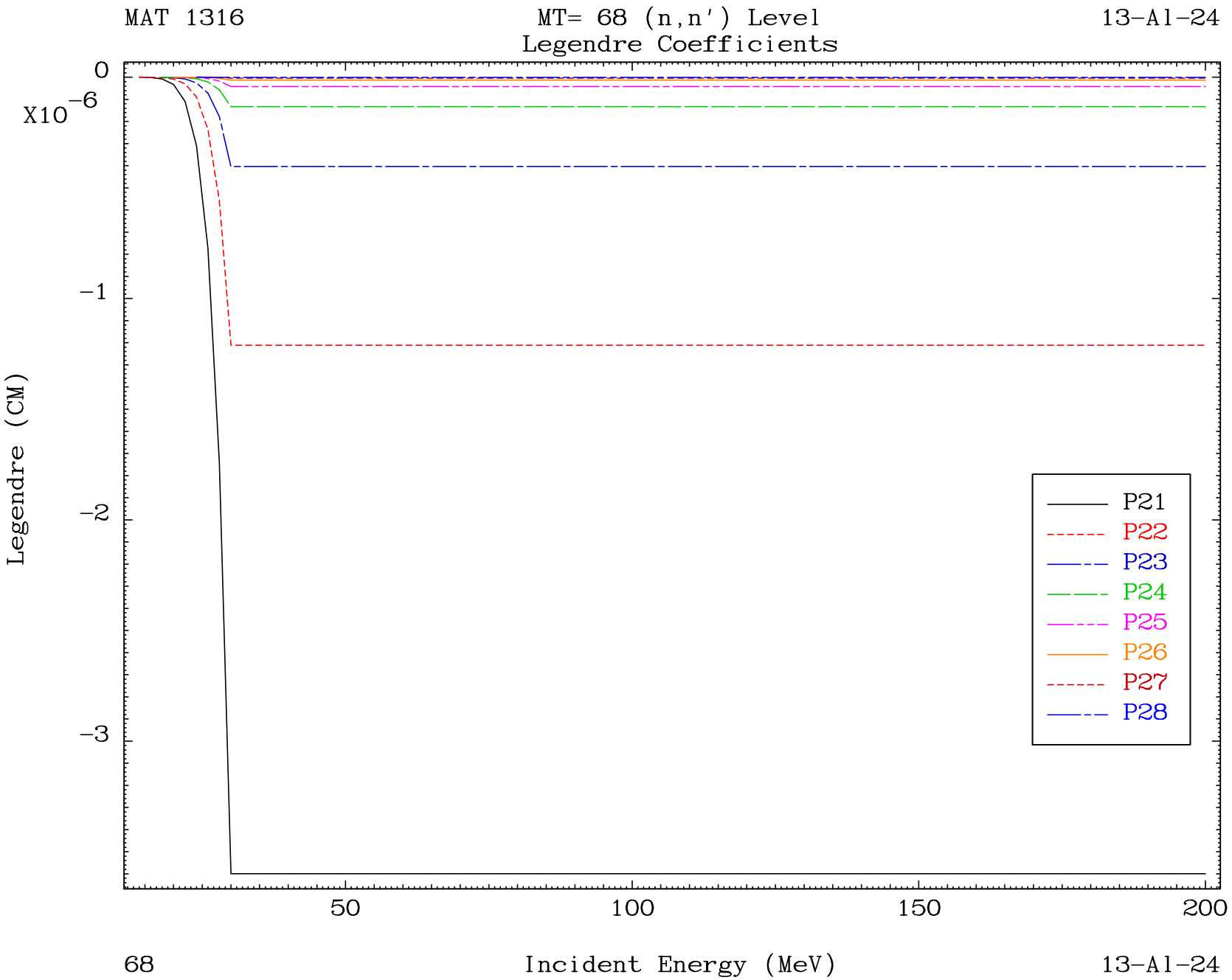

MAT 1316
MT= 67 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8

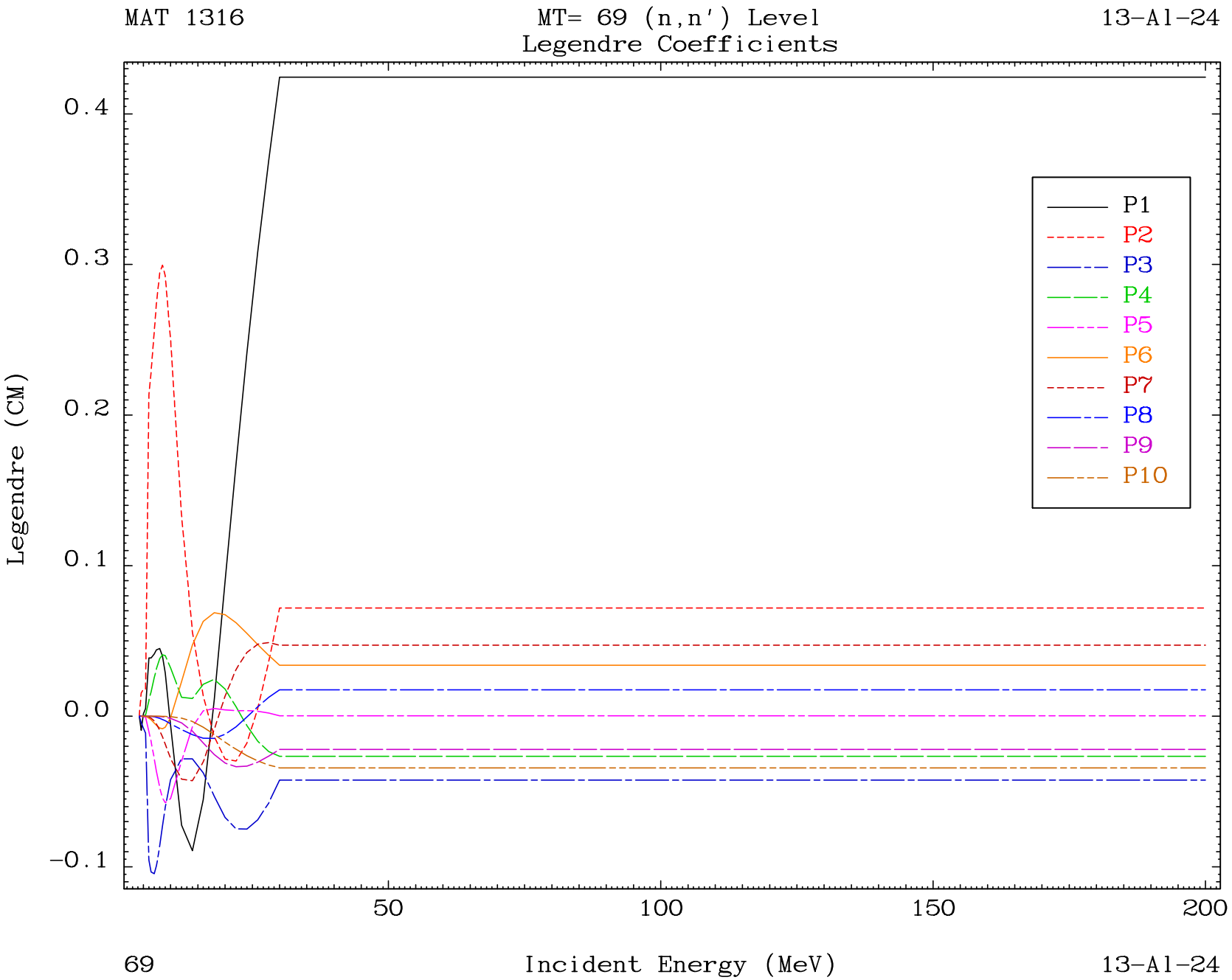

MAT 1316
MT= 67 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 -5
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
64
Incident Energy (MeV)
13-Al-24

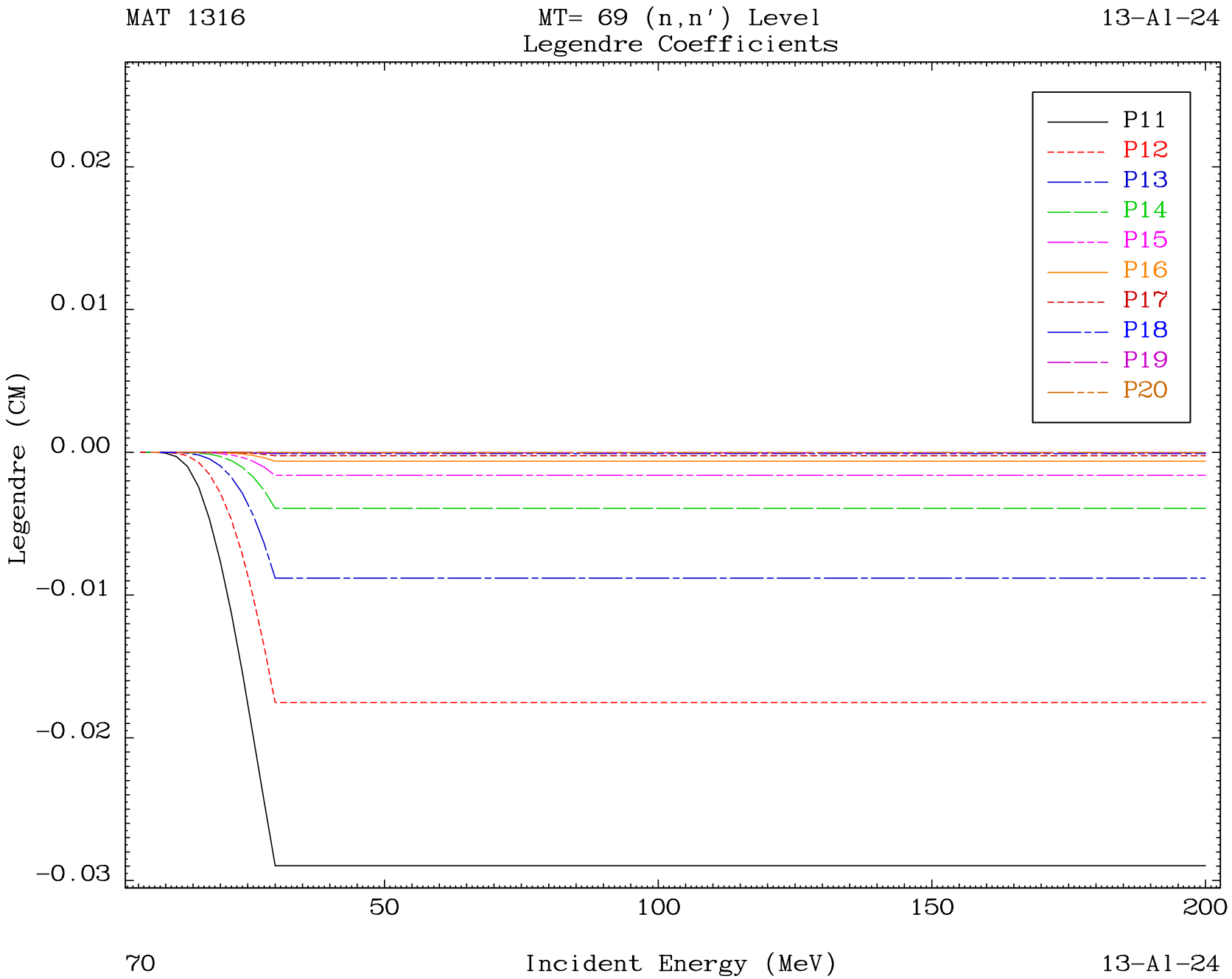

MAT 1316
MT= 67 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 −8
−2
−4
−6
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

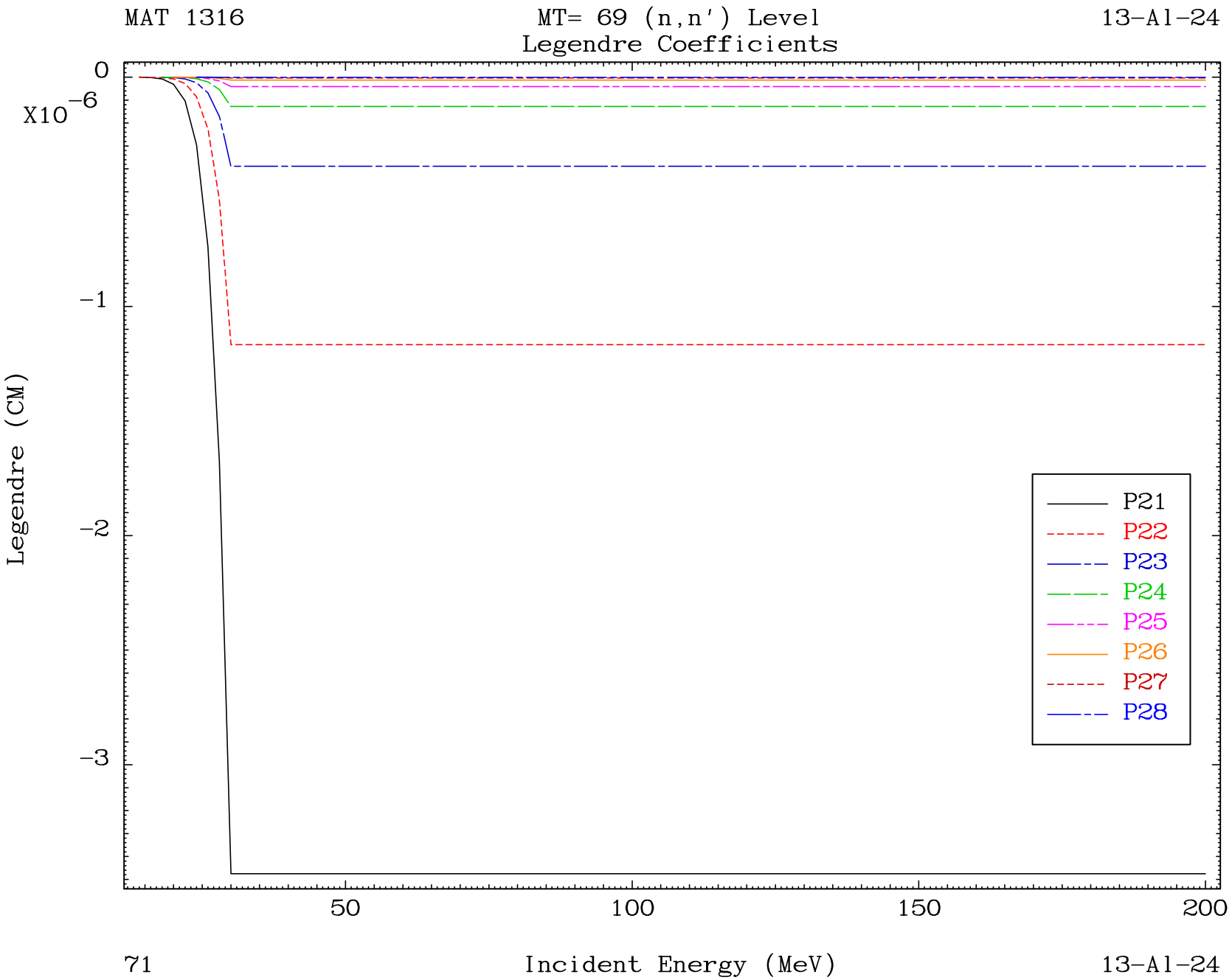

MAT 1316
MT= 68 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
66
Incident Energy (MeV)
13-Al-24

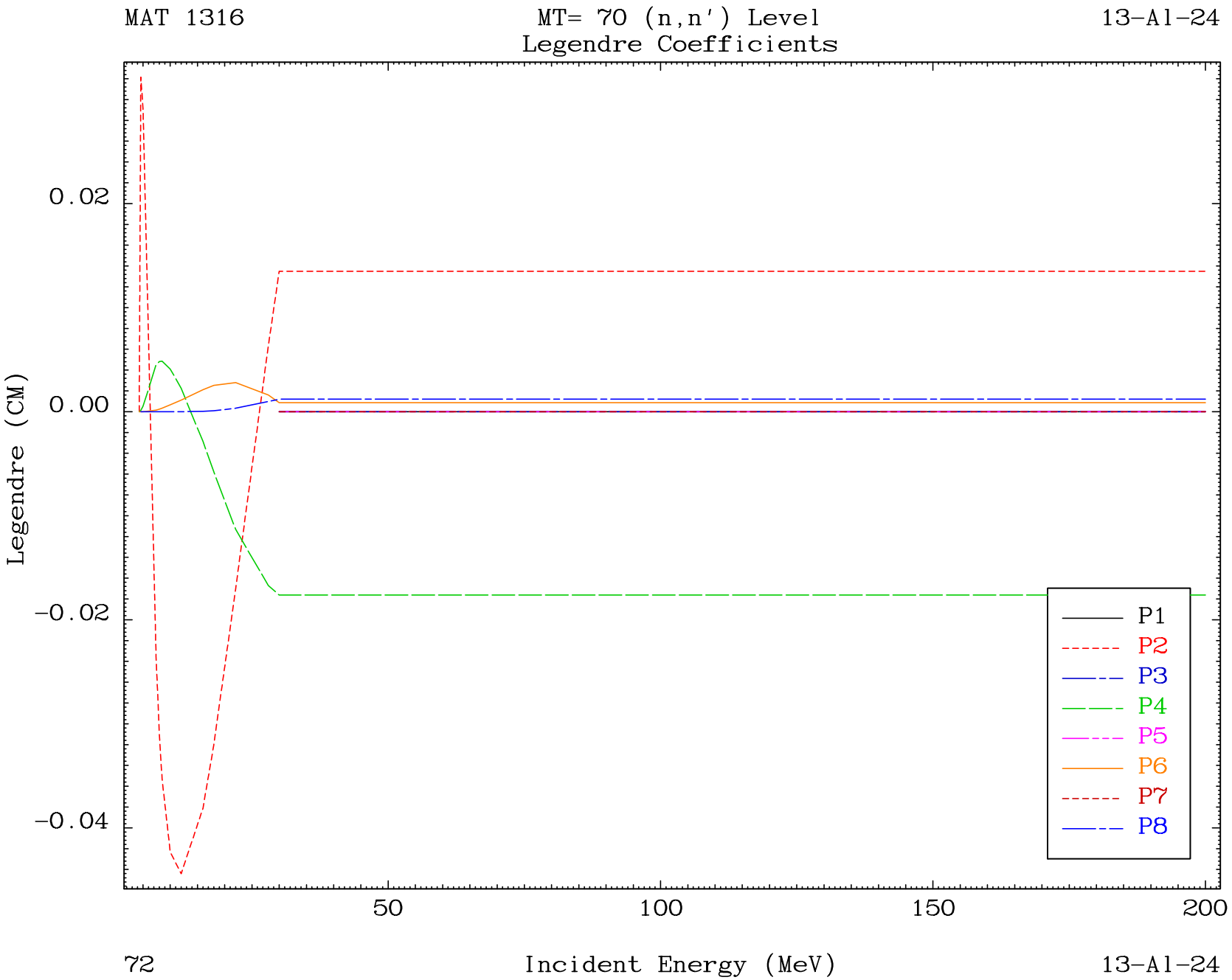

MAT 1316
MT= 68 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
13-Al-24

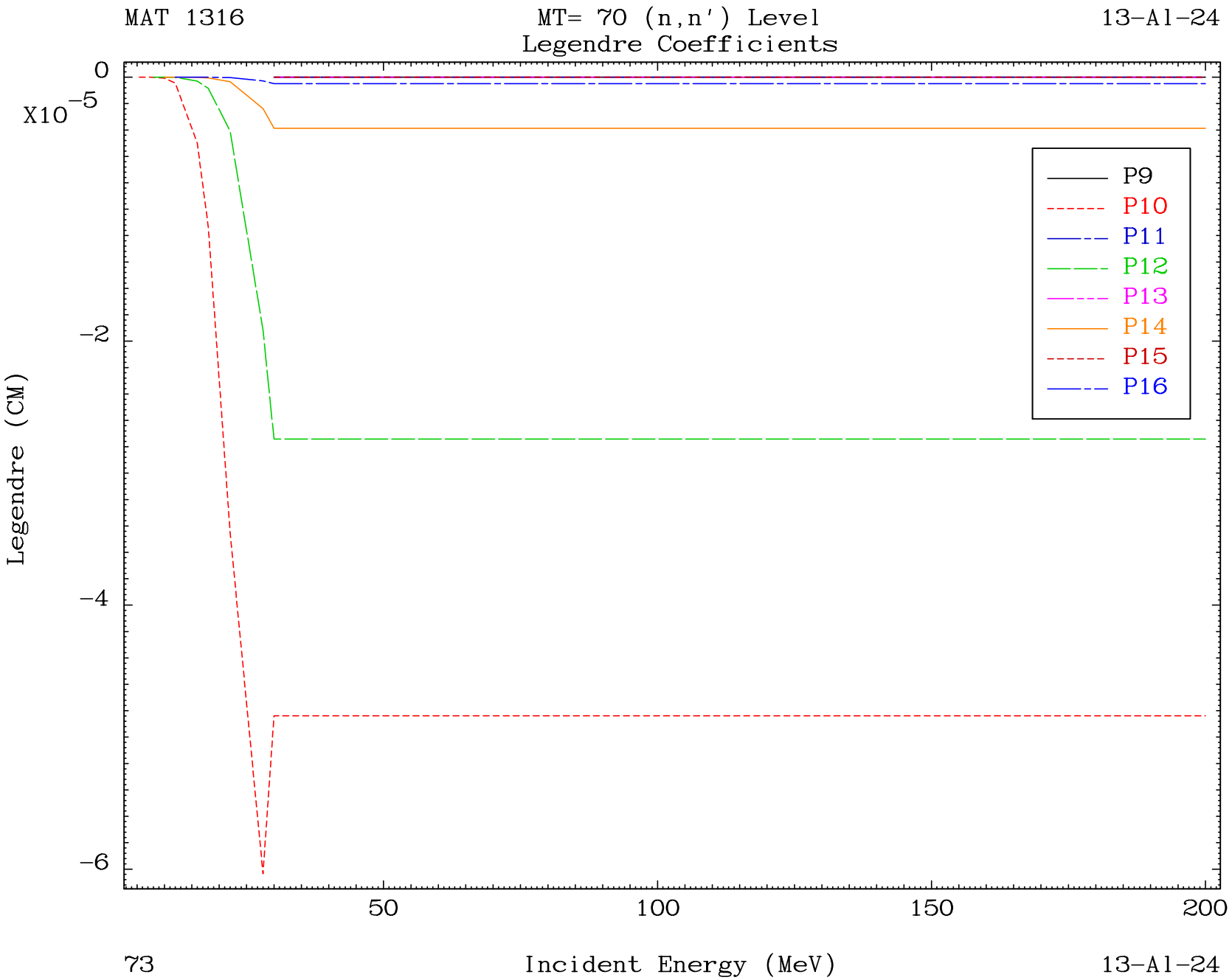

MAT 1316
MT= 68 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
13-Al-24
P21
P22
P23
P24
P25
P26
P27
P28

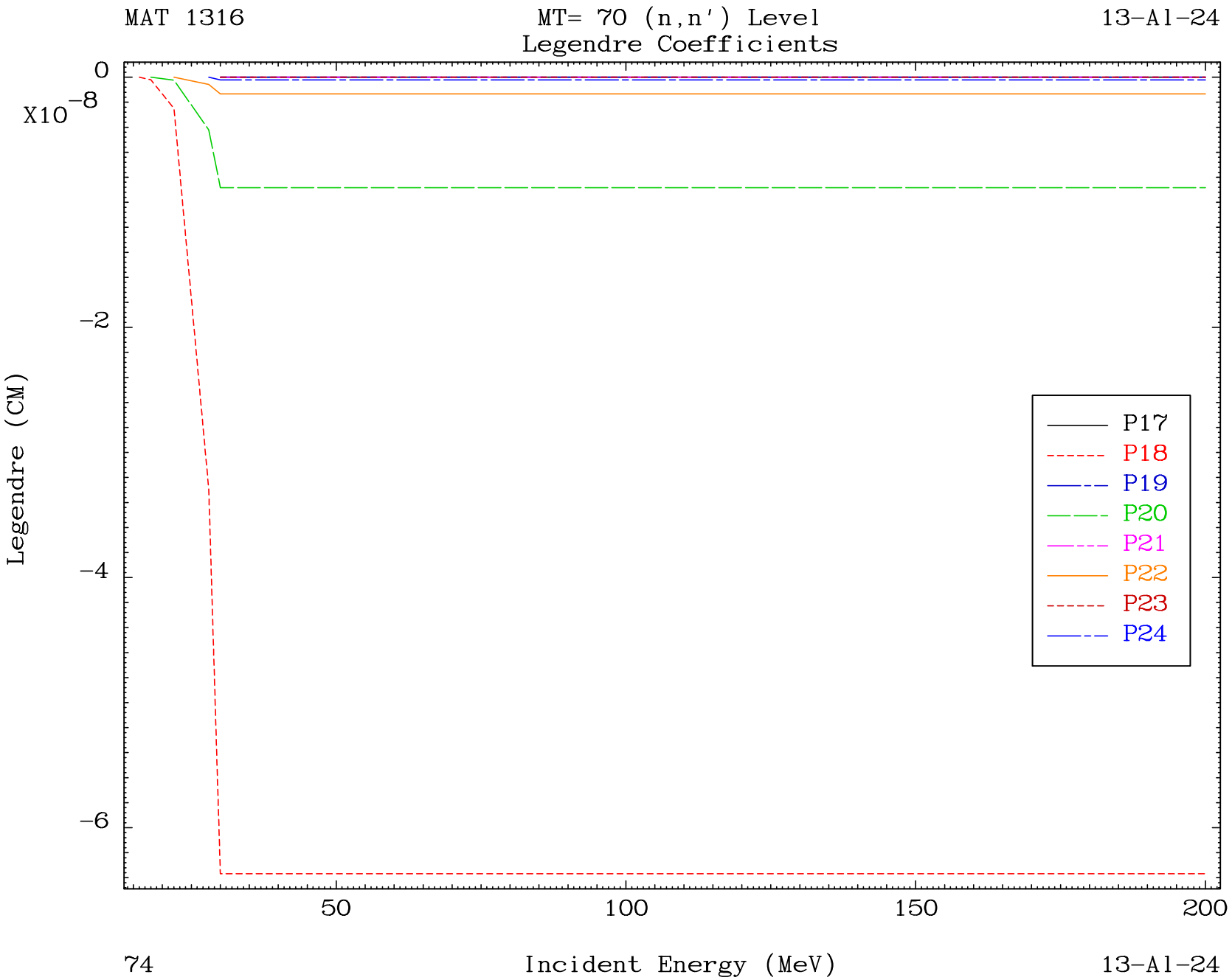

MAT 1316
MT= 69 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
69
Incident Energy (MeV)
13-Al-24

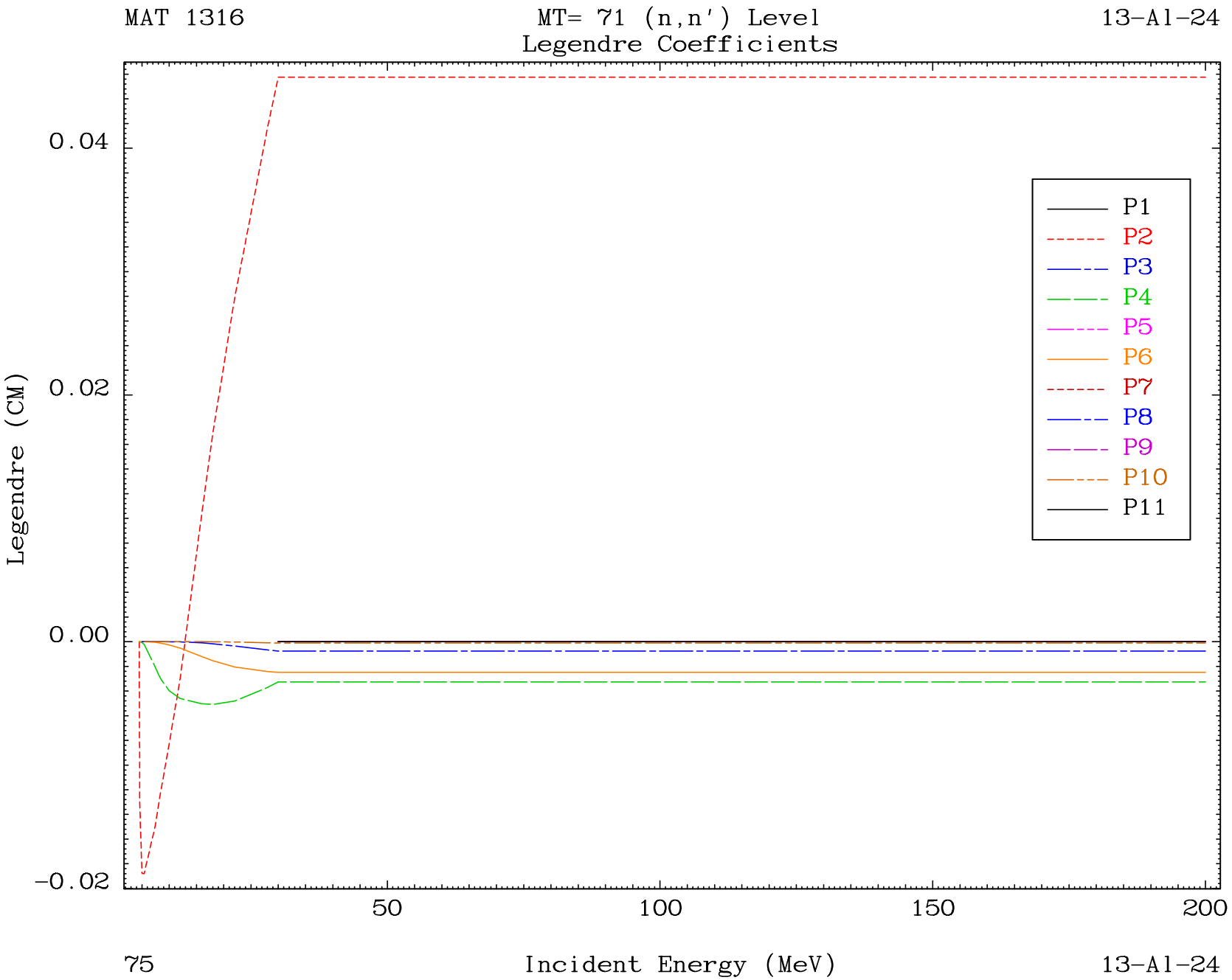

MAT 1316
MT= 69 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
13-Al-24

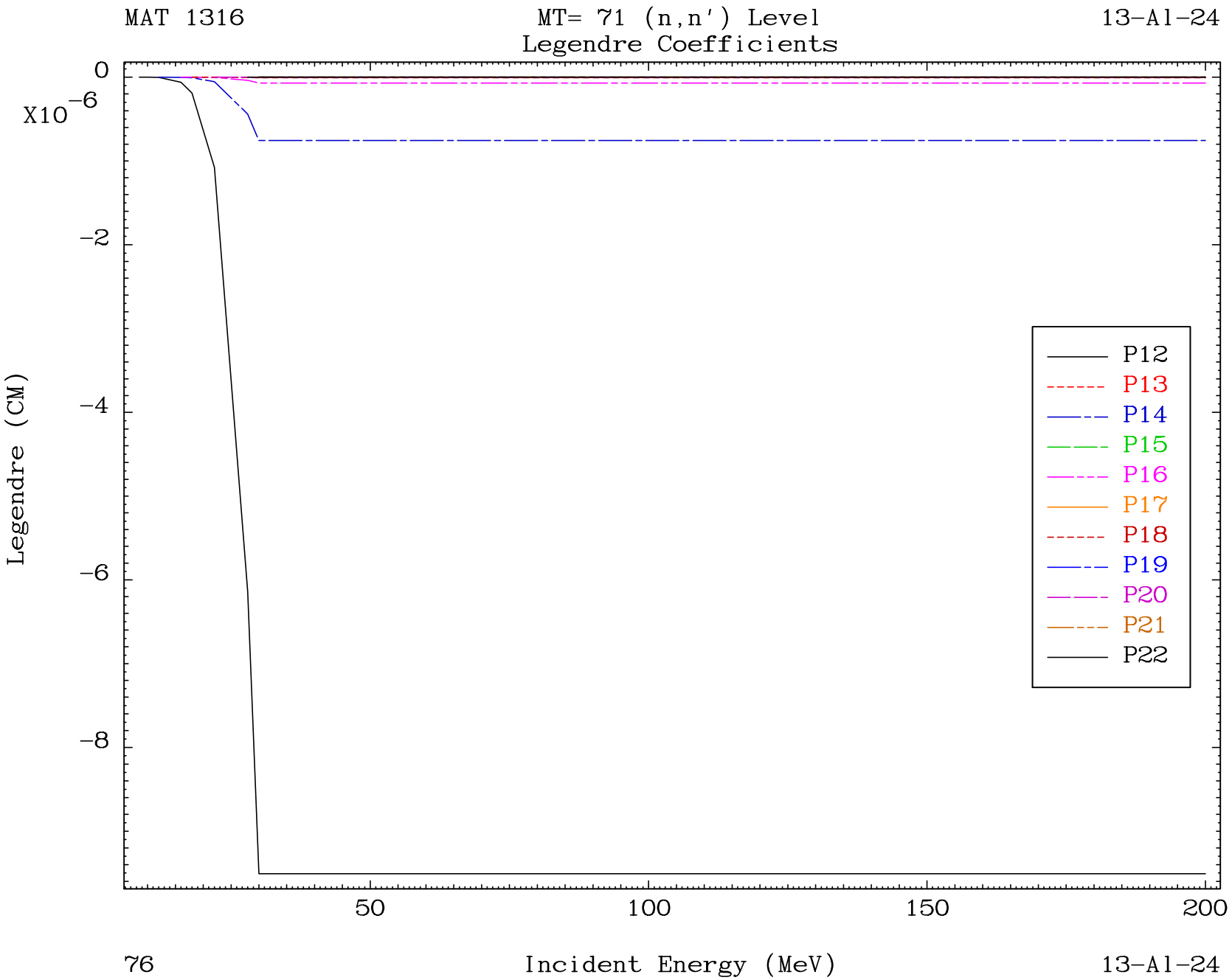

MAT 1316
MT= 69 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
13-Al-24
P21
P22
P23
P24
P25
P26
P27
P28

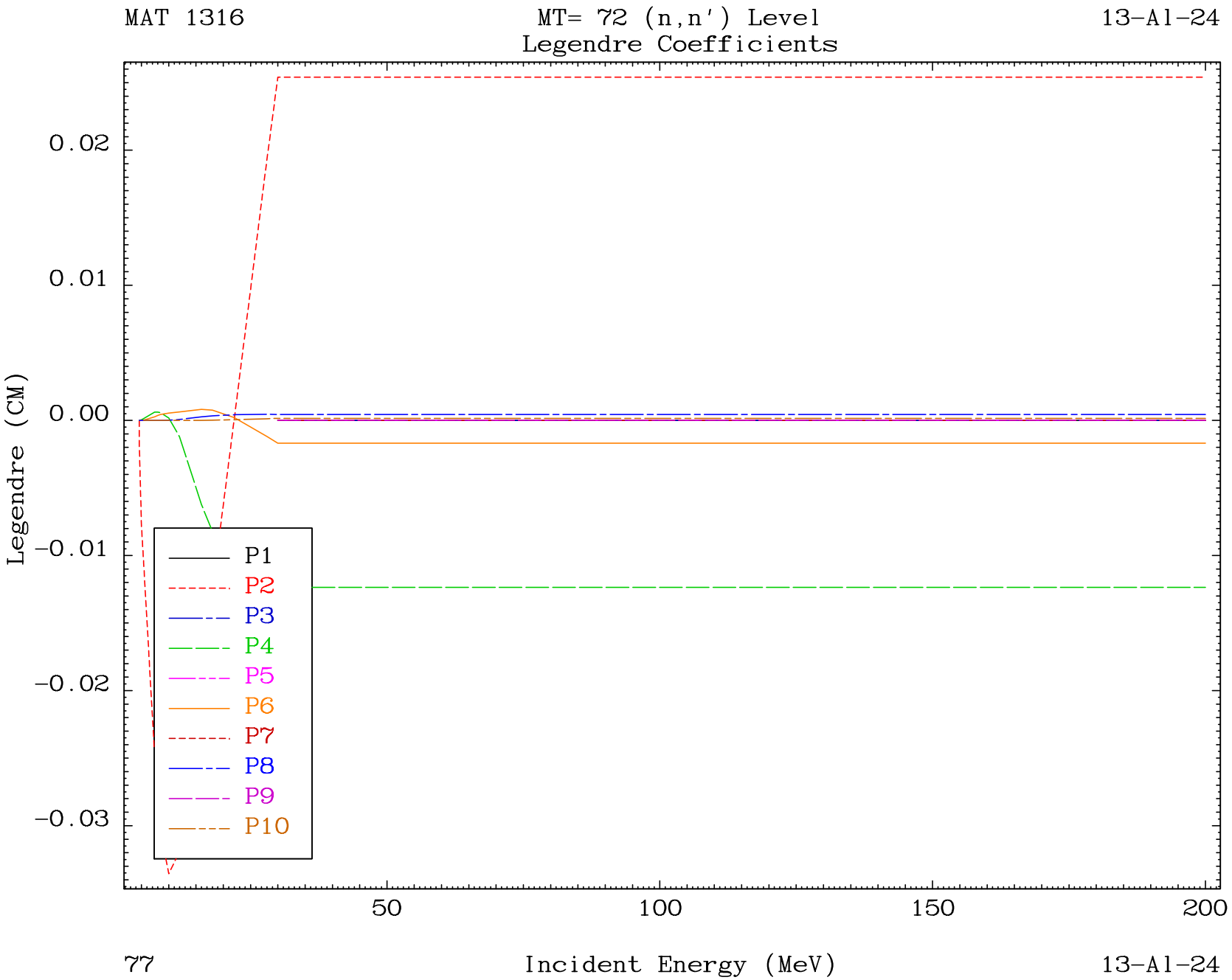

MAT 1316
MT= 70 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
13-Al-24
P1
P2
P3
P4
P5
P6
P7
P8

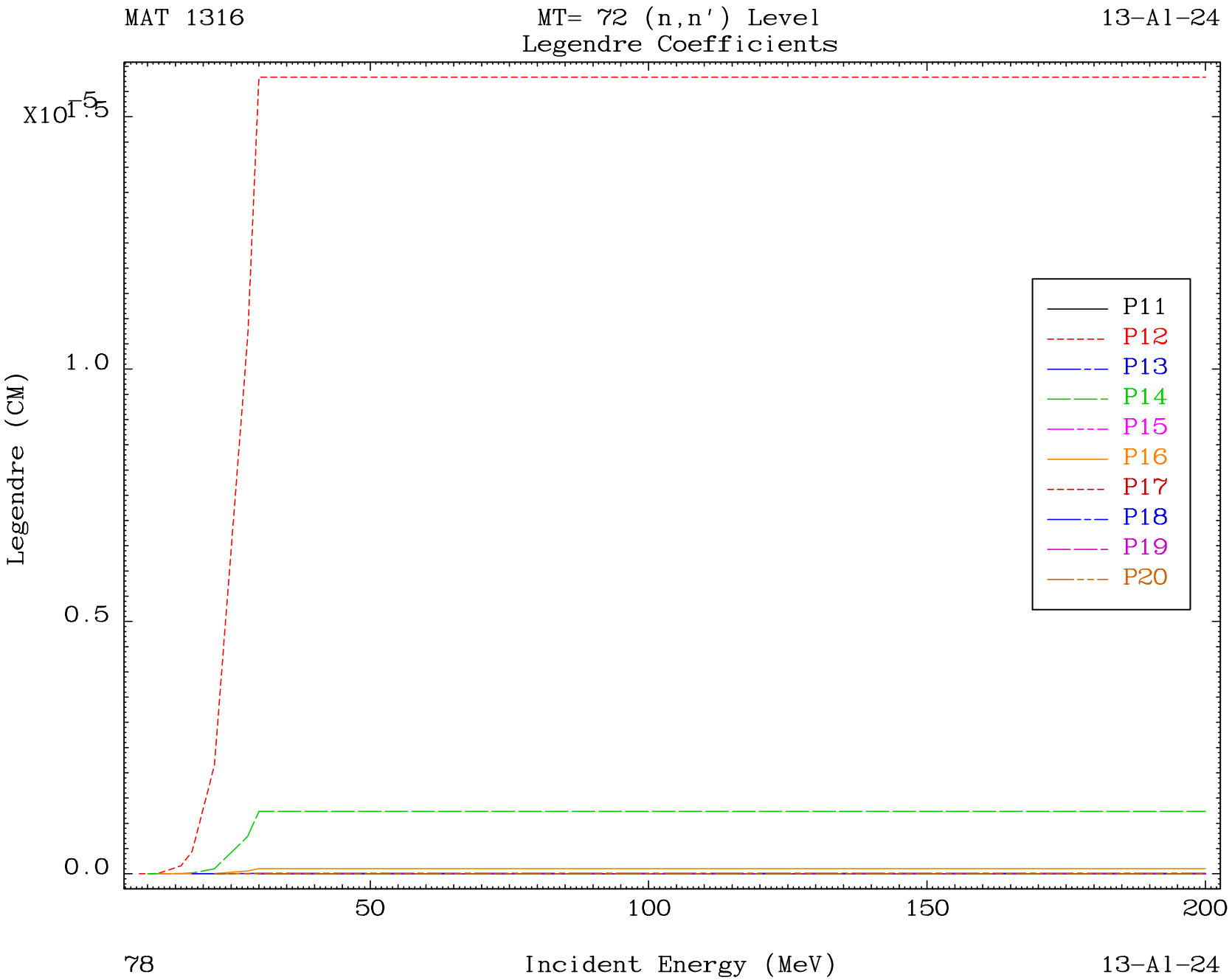

MAT 1316
MT= 70 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 -5
-2
-4
-6
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
13-Al-24
P9
P10
P11
P12
P13
P14
P15
P16

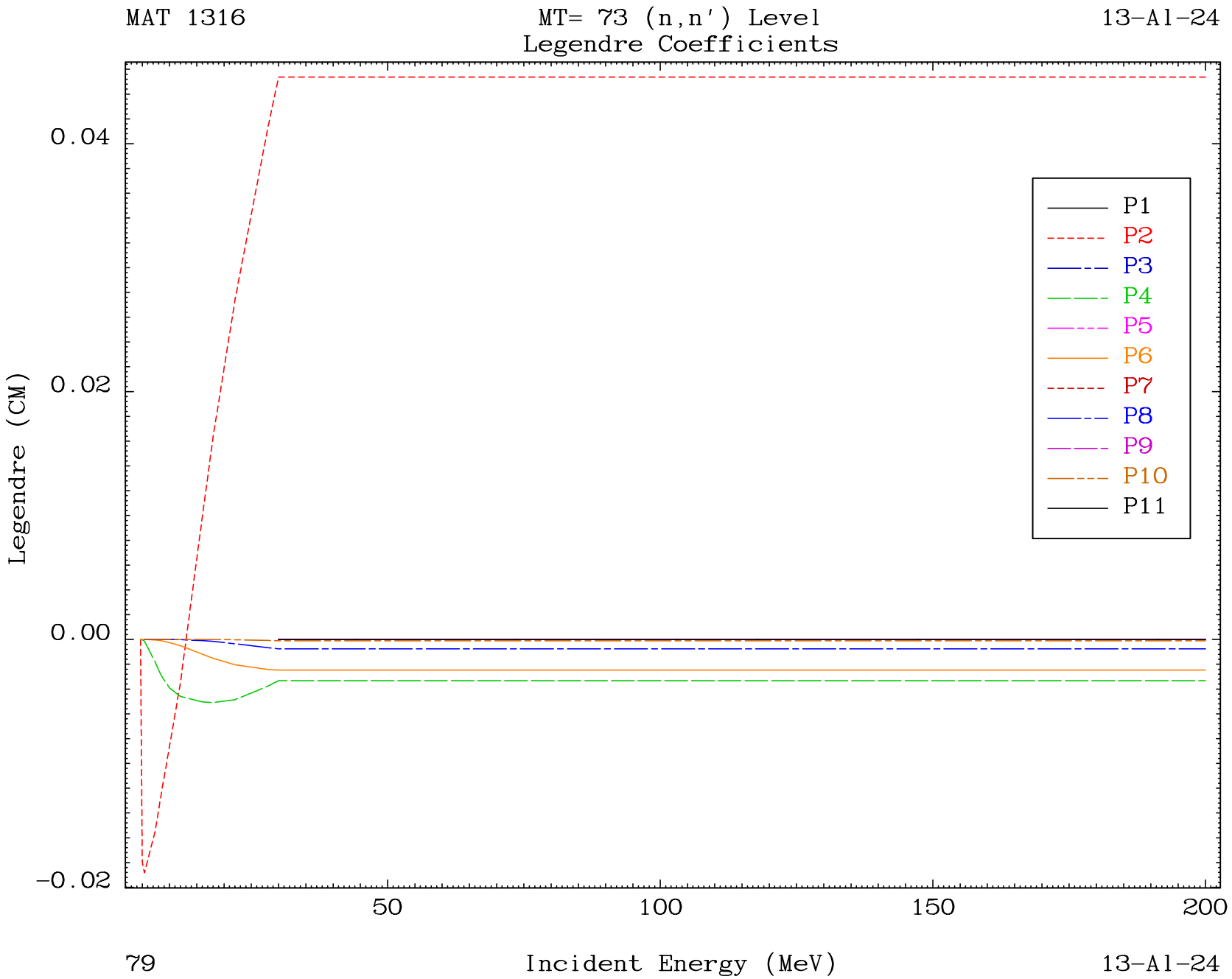

MAT 1316
MT= 70 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10 −8
−2
−4
−6
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
13-Al-24
P17
P18
P19
P20
P21
P22
P23
P24

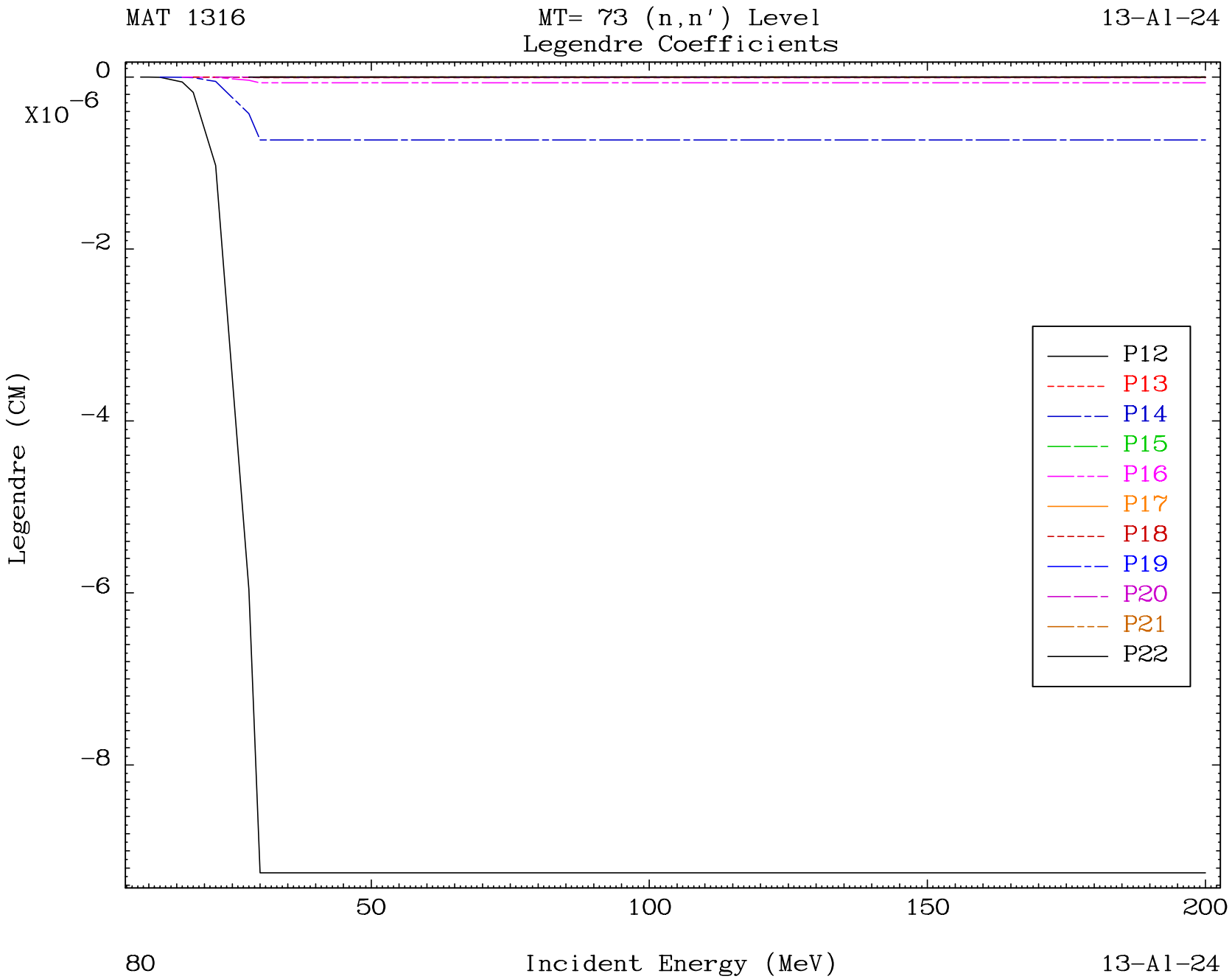

MAT 1316
MT= 71 (n,n') Level
Legendre Coefficients
13-Al-24
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
50
100
150
200
75
Incident Energy (MeV)
13-Al-24

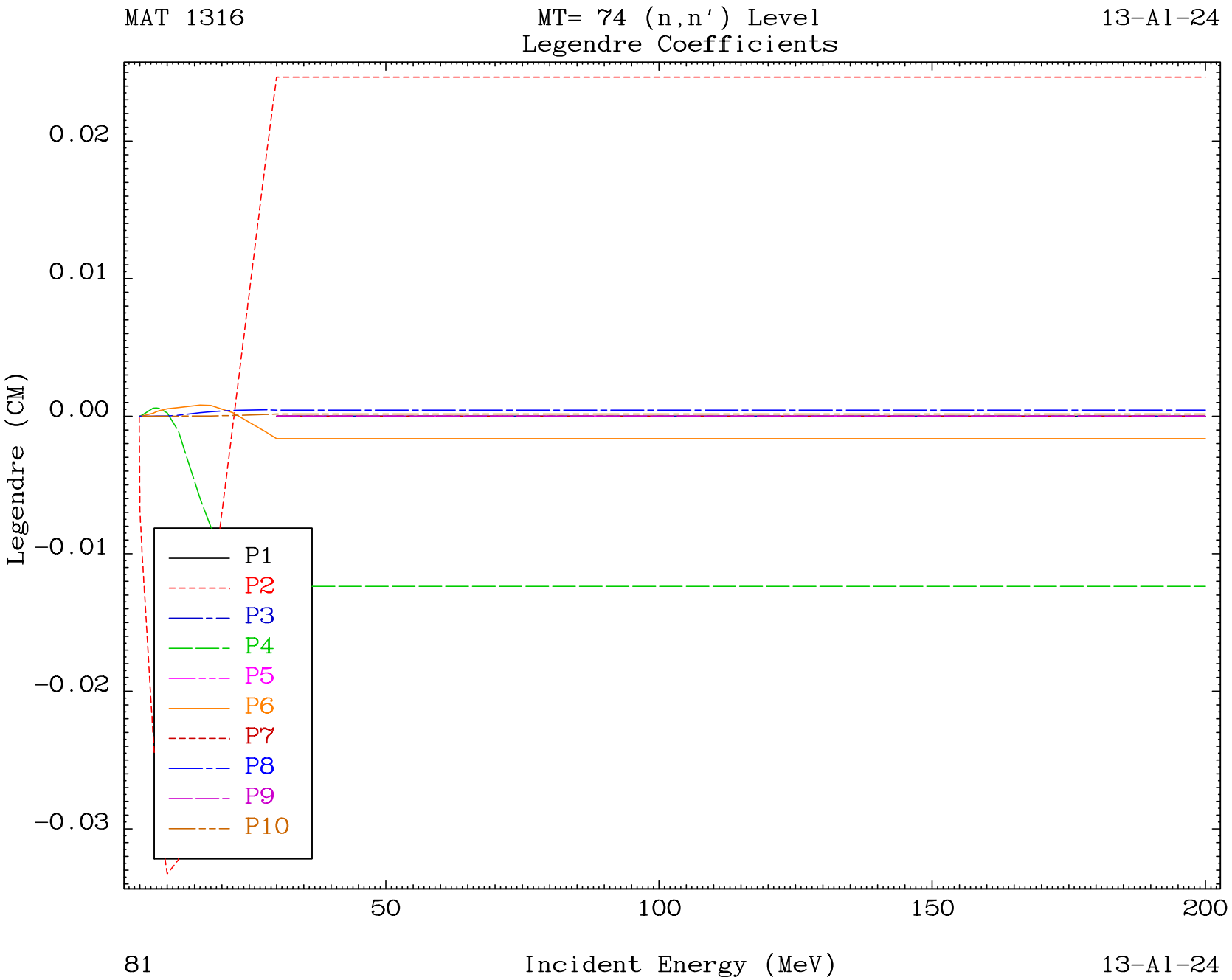

MAT 1316
MT= 71 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-6
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
13-Al-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

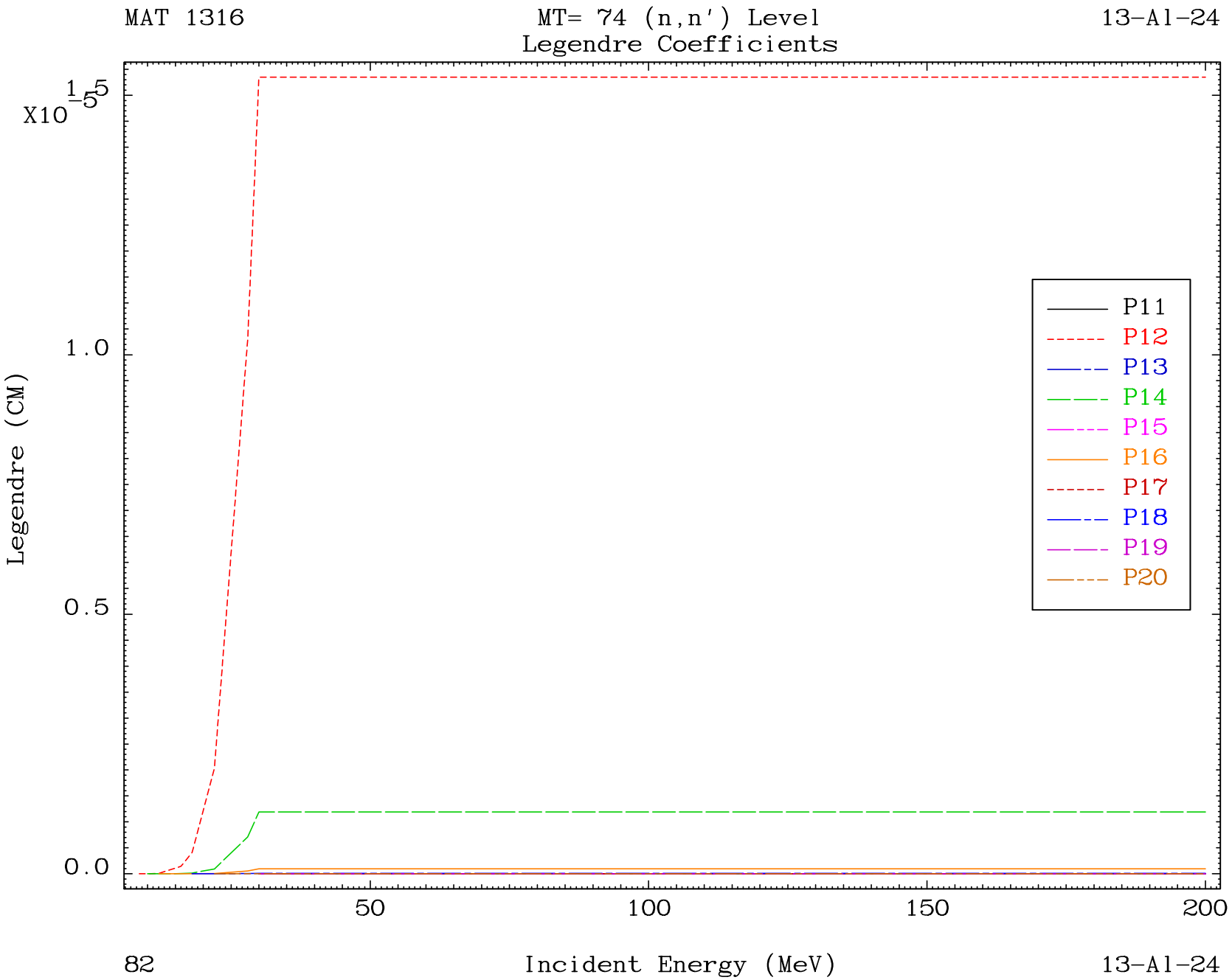

MAT 1316
MT= 72 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
77
Incident Energy (MeV)
13-Al-24

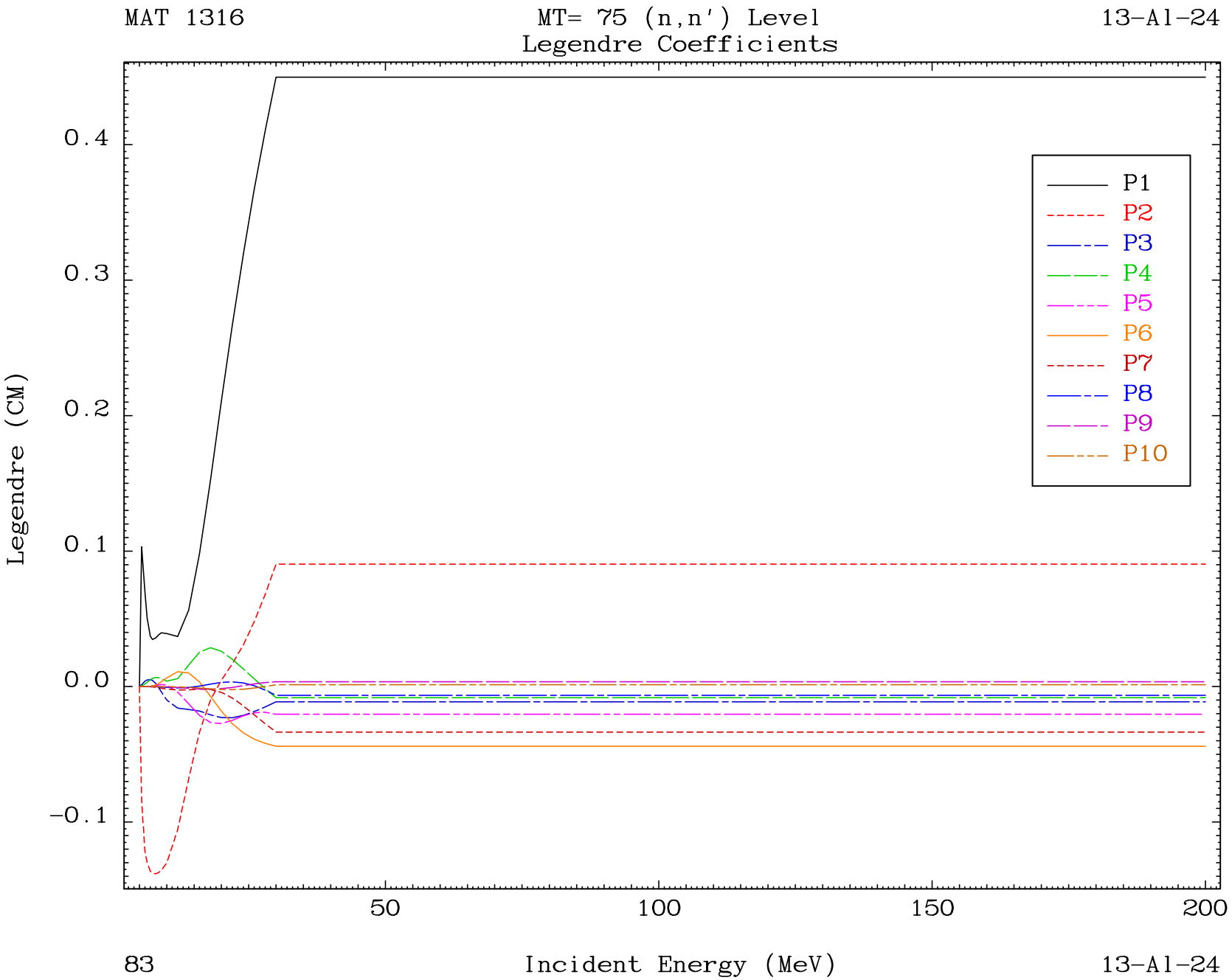

MAT 1316
MT= 72 (n,n') Level
Legendre Coefficients
13-Al-24
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

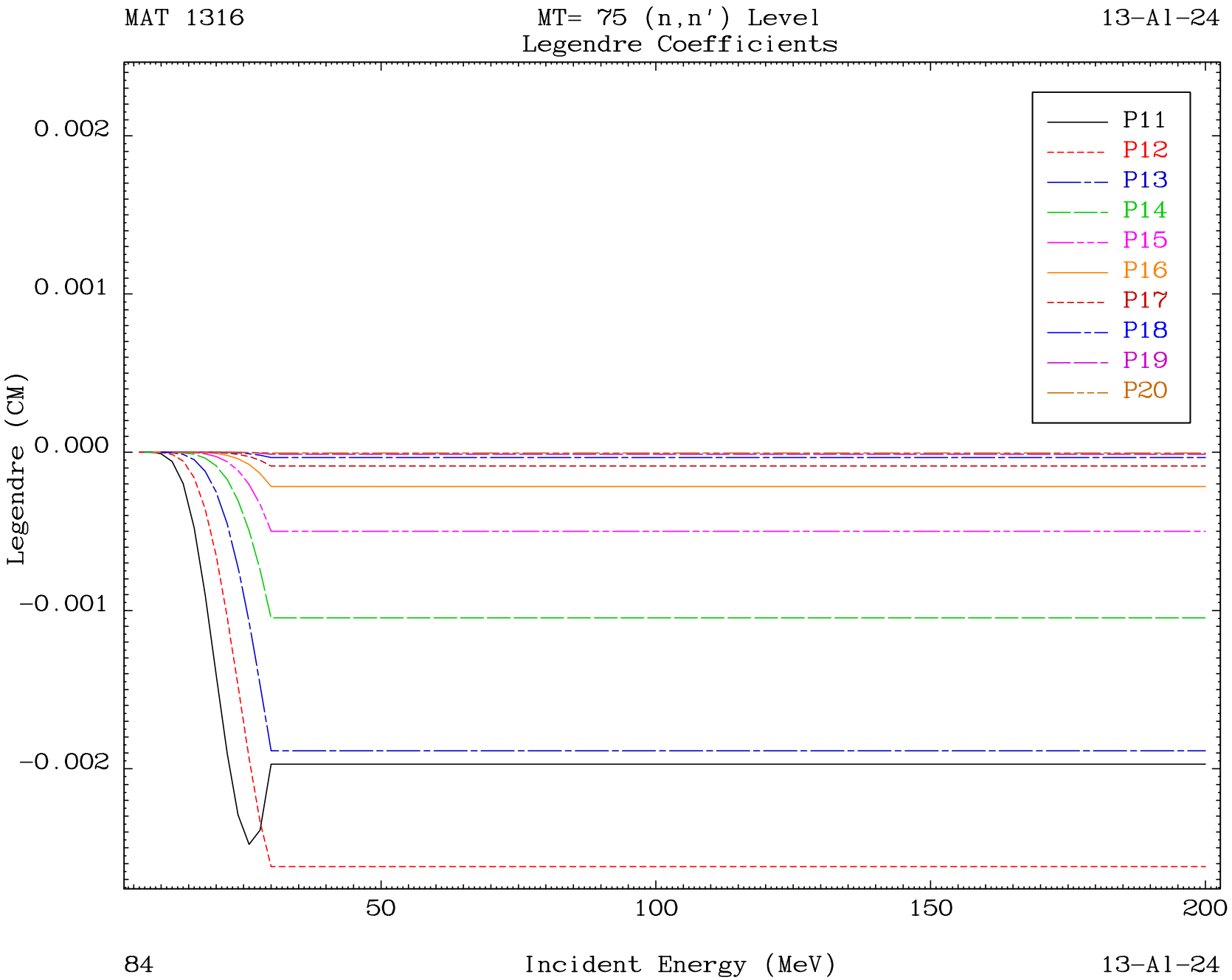

MAT 1316
MT= 73 (n,n') Level
Legendre Coefficients
13-Al-24
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
79
Incident Energy (MeV)
13-Al-24

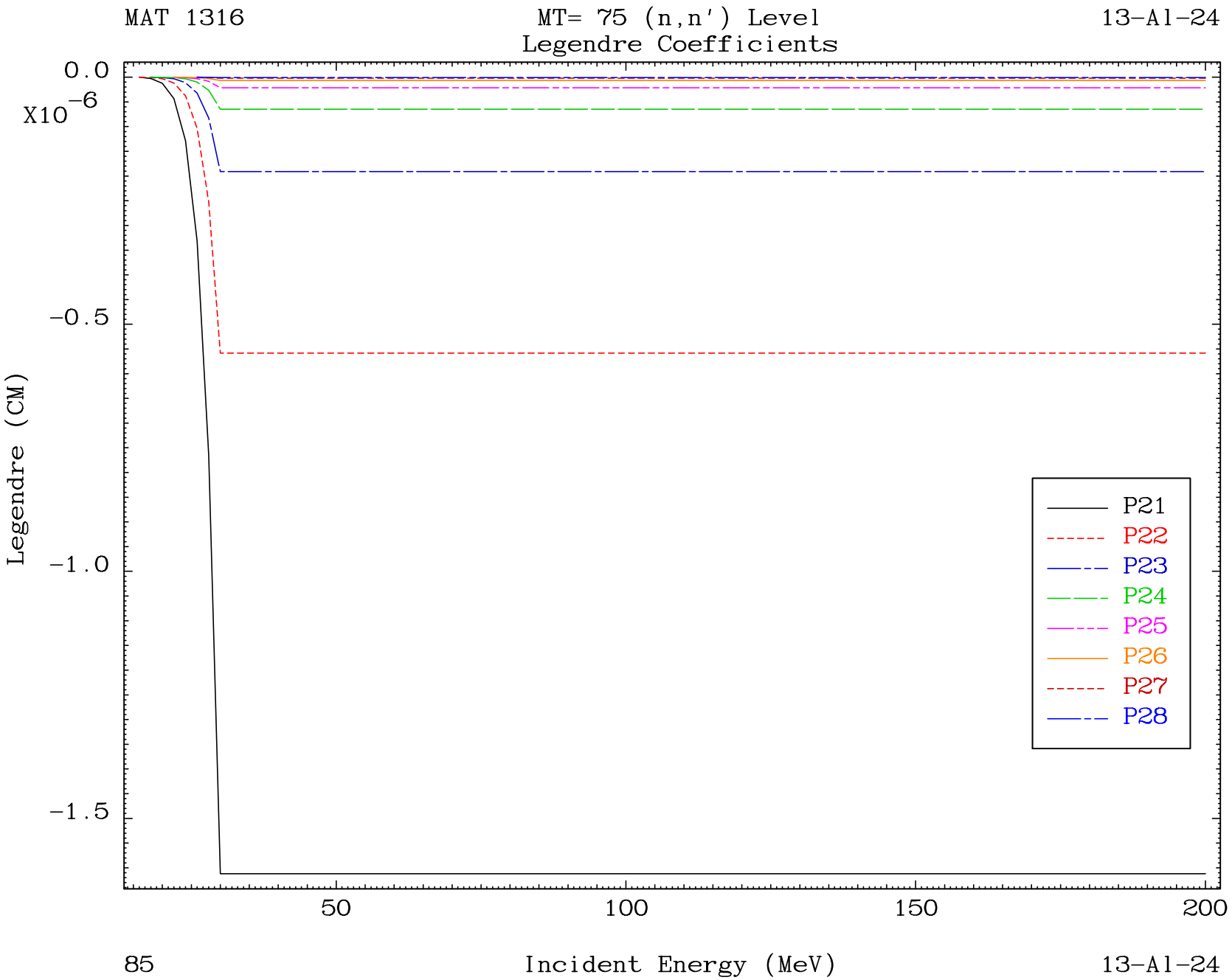

MAT 1316
MT= 73 (n,n') Level
Legendre Coefficients
13-Al-24
0
X10^-6
-2
-4
-6
-8
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
80
Incident Energy (MeV)
13-Al-24

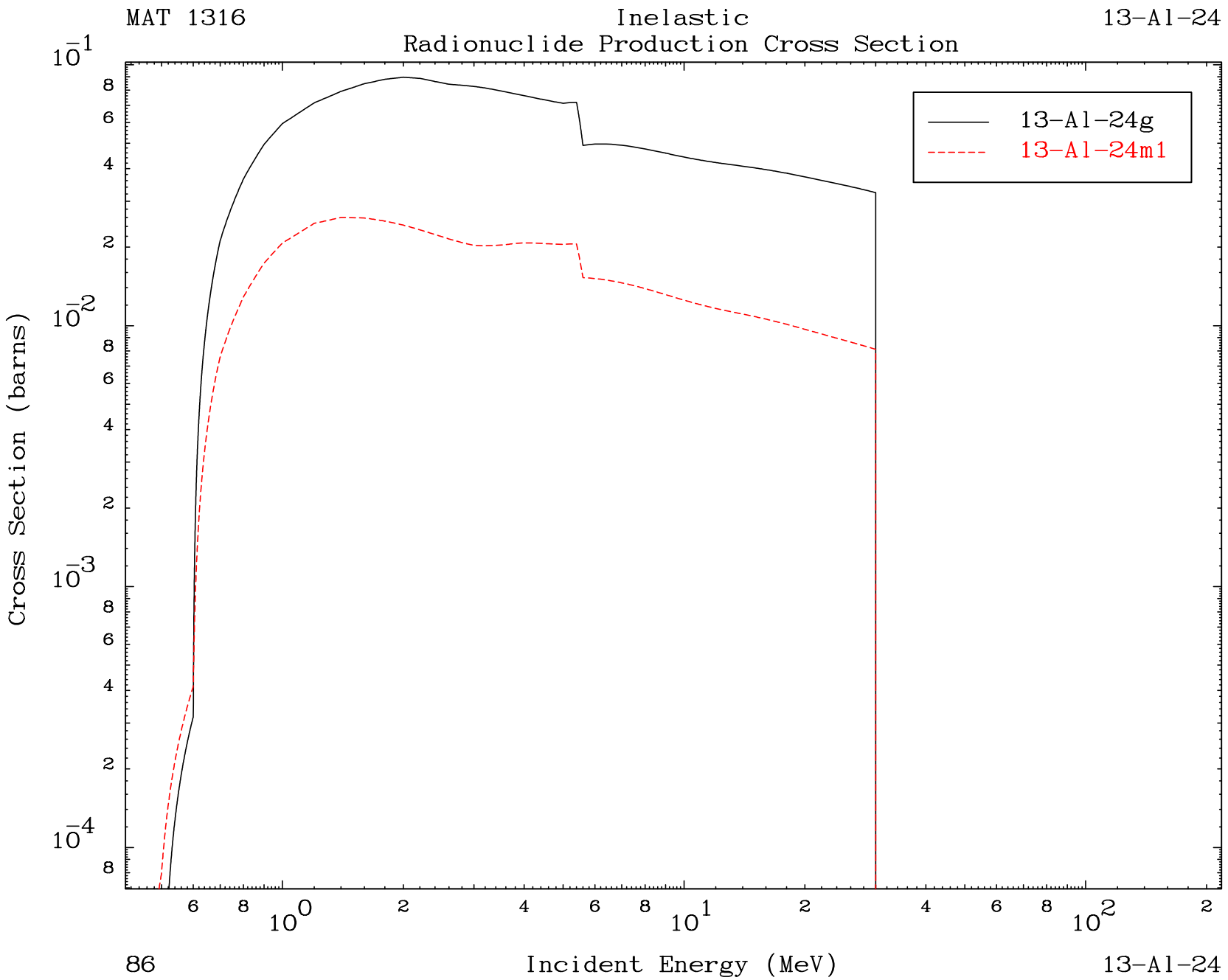

MAT 1316
MT= 74 (n,n') Level
Legendre Coefficients
13-Al-24
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
81
Incident Energy (MeV)
13-Al-24


MAT 1316
MT= 74 (n,n') Level
Legendre Coefficients
13-Al-24
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20


MAT 1316
MT= 75 (n,n') Level
Legendre Coefficients
13-Al-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
83
Incident Energy (MeV)
13-Al-24


MAT 1316
MT= 75 (n,n') Level
Legendre Coefficients
13-Al-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
-0.002
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
13-Al-24


MAT 1316
MT= 75 (n,n') Level
Legendre Coefficients
13-Al-24
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
13-Al-24
P21
P22
P23
P24
P25
P26
P27
P28


MAT 1316
Inelastic
13-Al-24
Radionuclide Production Cross Section
13-Al-24g
13-Al-24m1
Cross Section (barns)
Incident Energy (MeV)
86
13-Al-24