Program EVALPLOT
(Version 2015-2)
by
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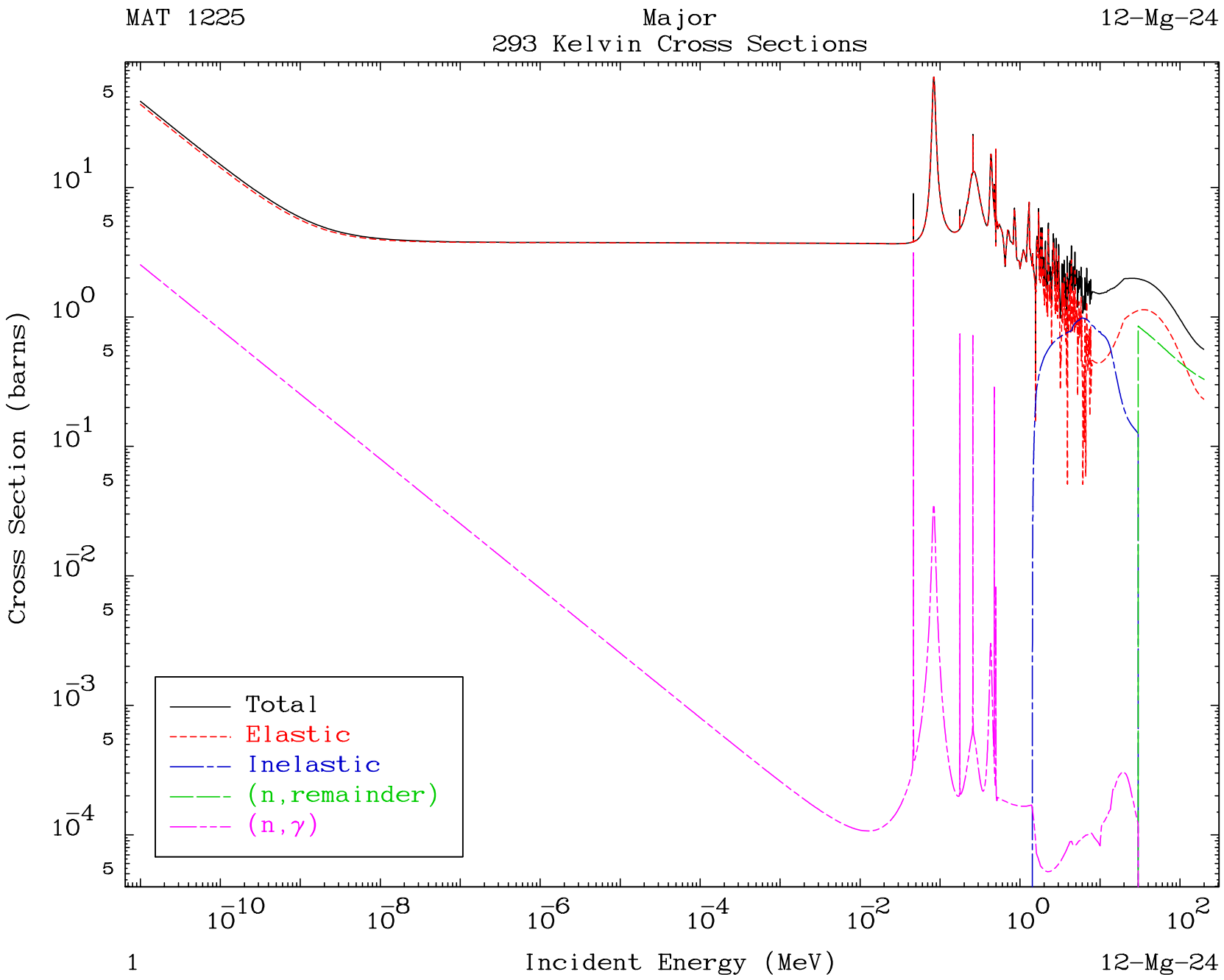
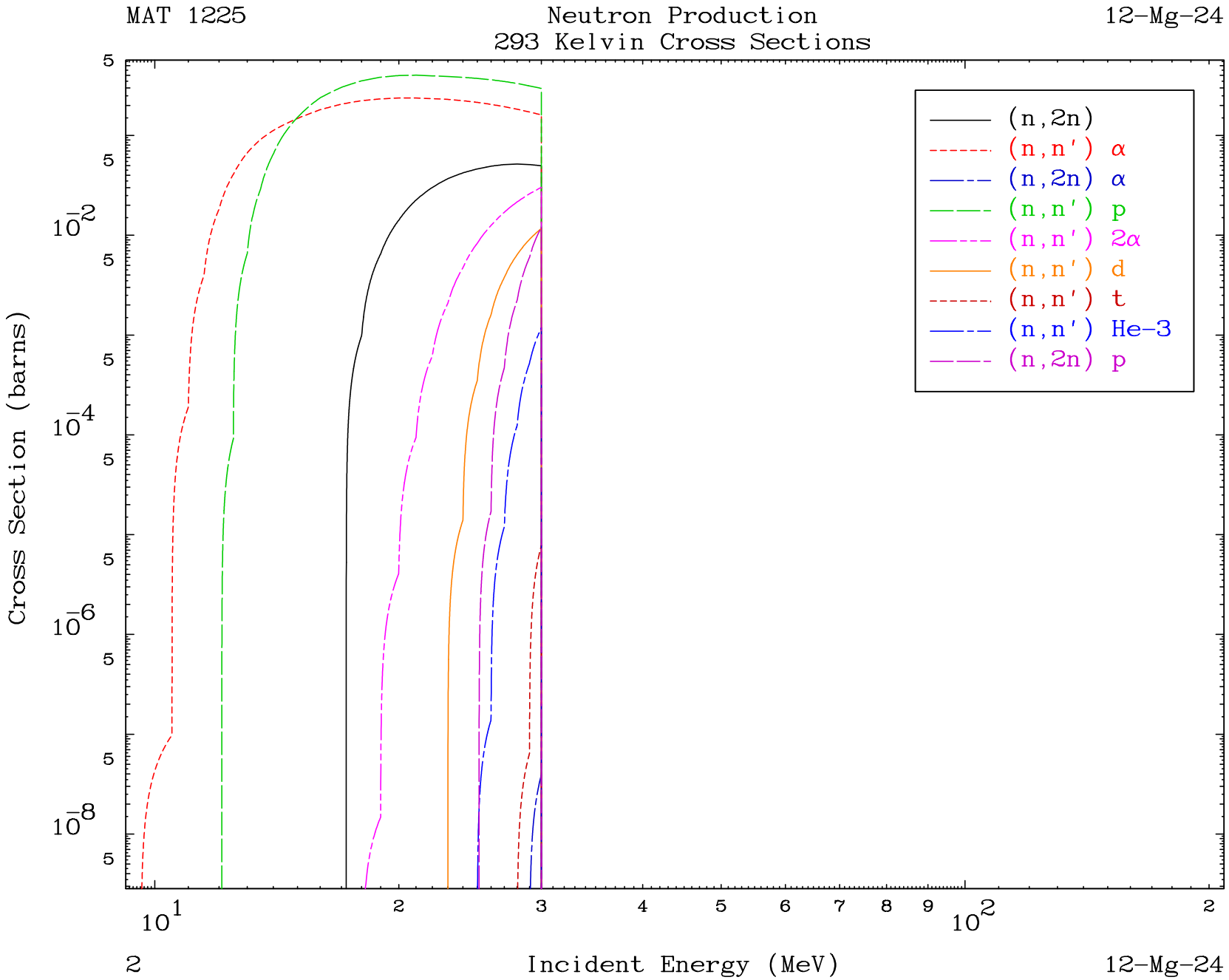
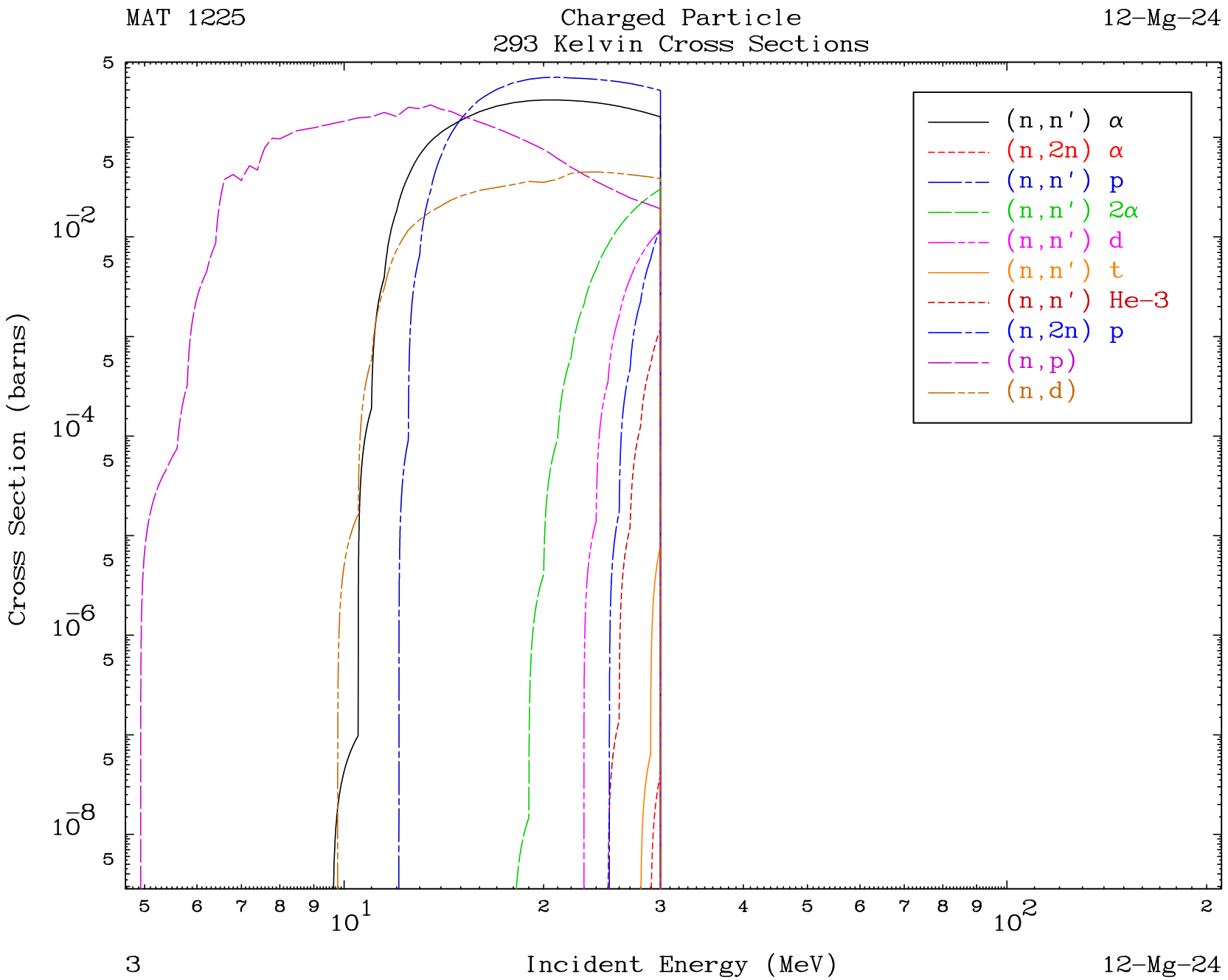
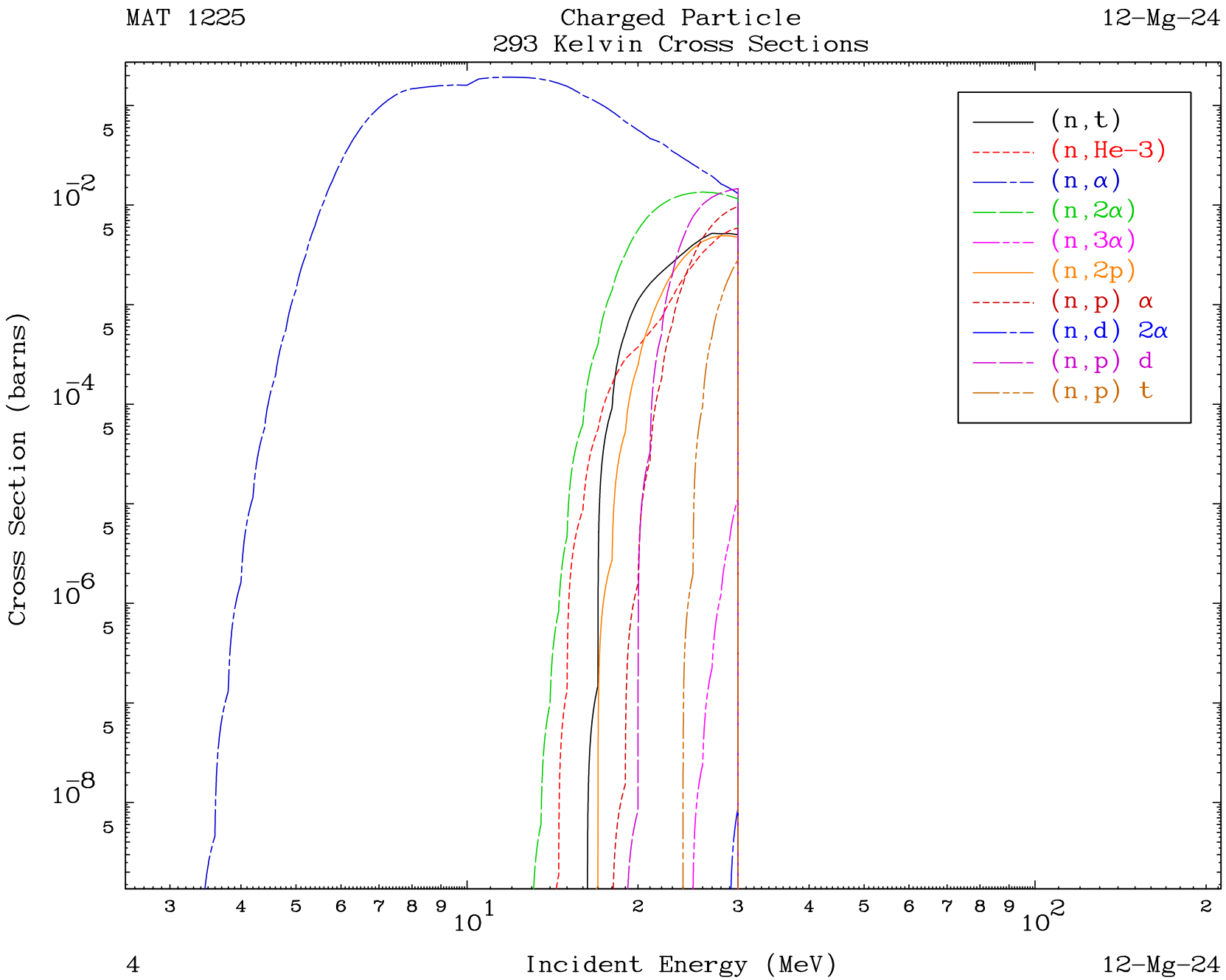
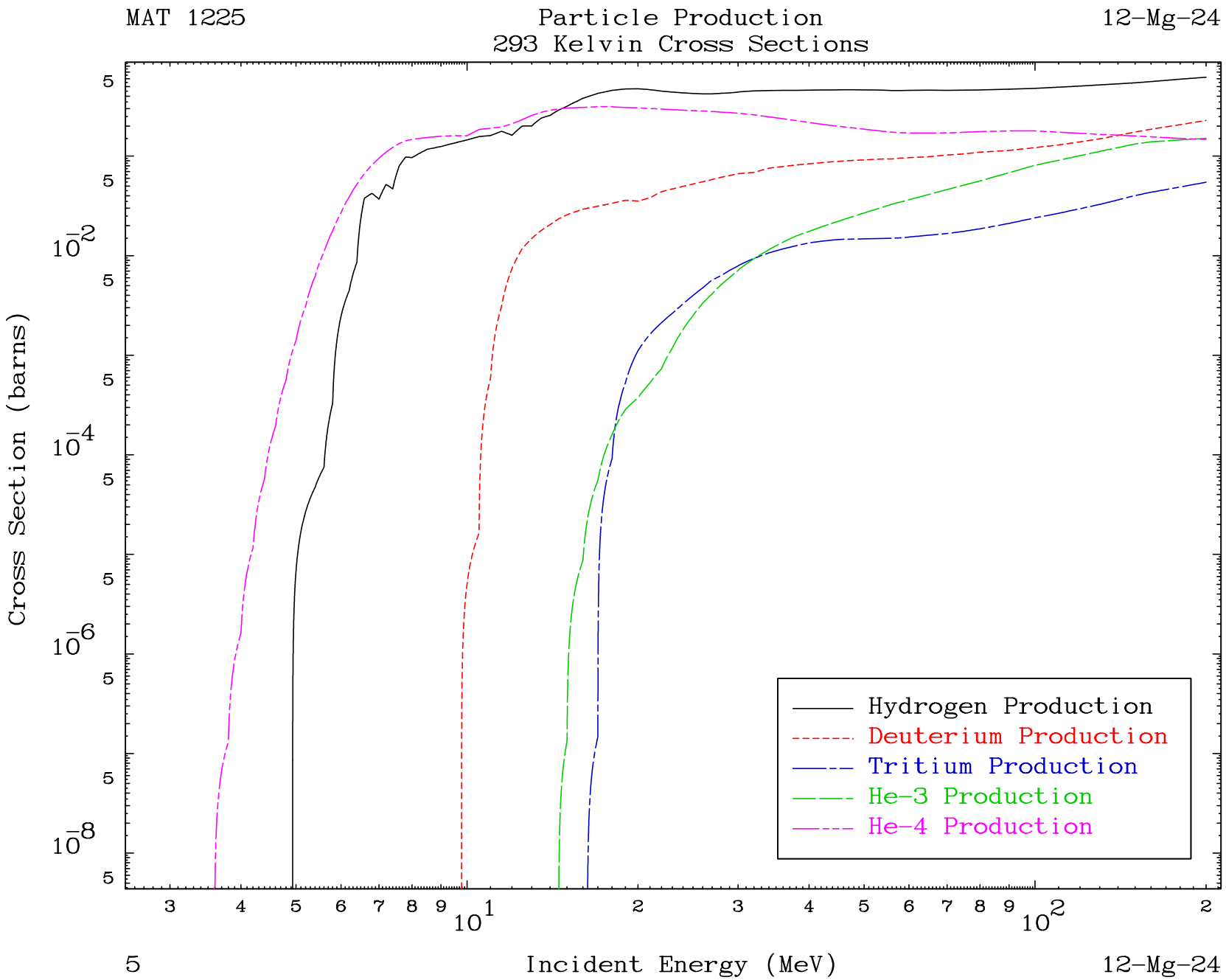
Press Mouse Button to Start

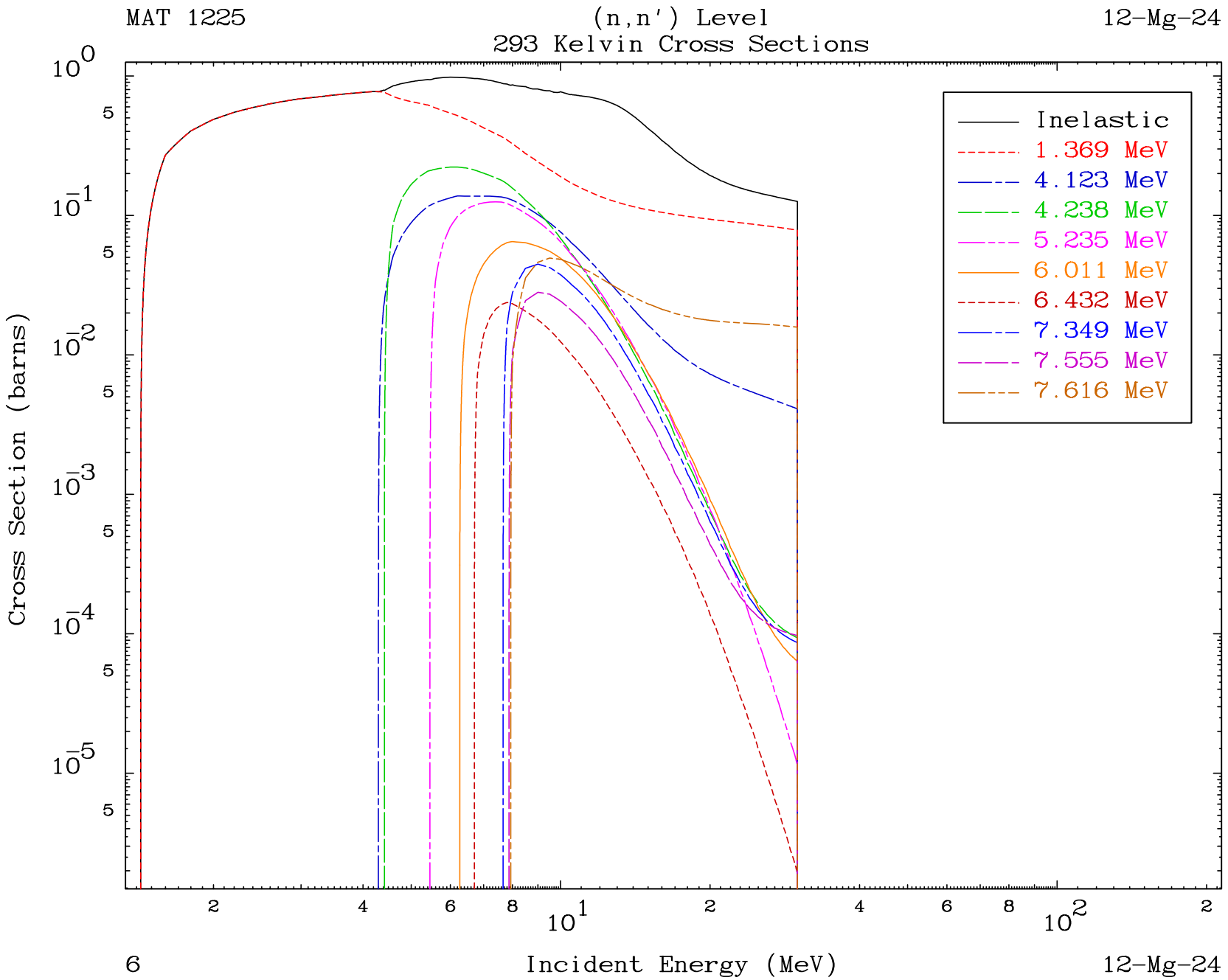

MAT 1225
Major
12-Mg-24
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
12-Mg-24
1

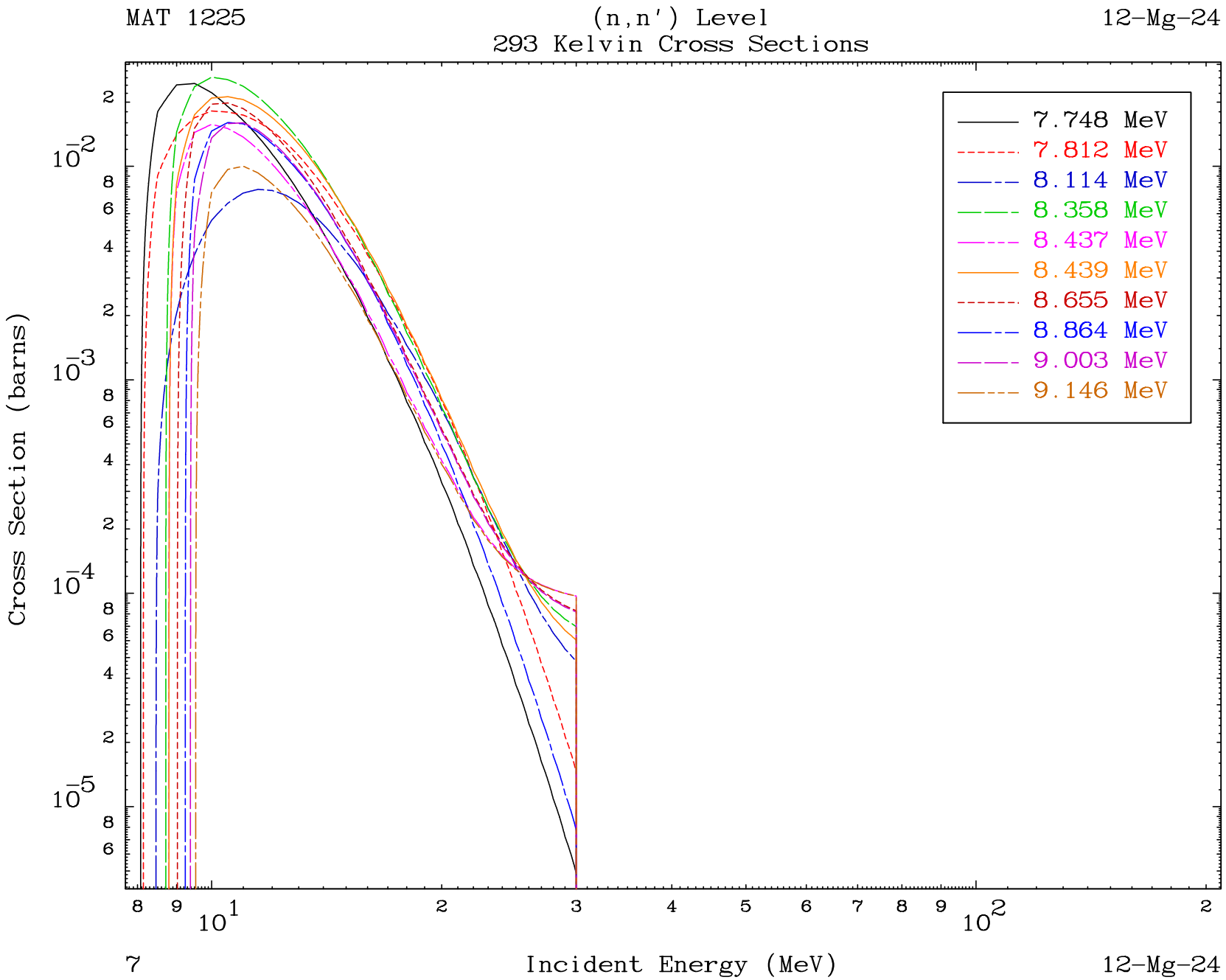

MAT 1225
Neutron Production
293 Kelvin Cross Sections
12-Mg-24
Cross Section (barns)
Incident Energy (MeV)
12-Mg-24
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p

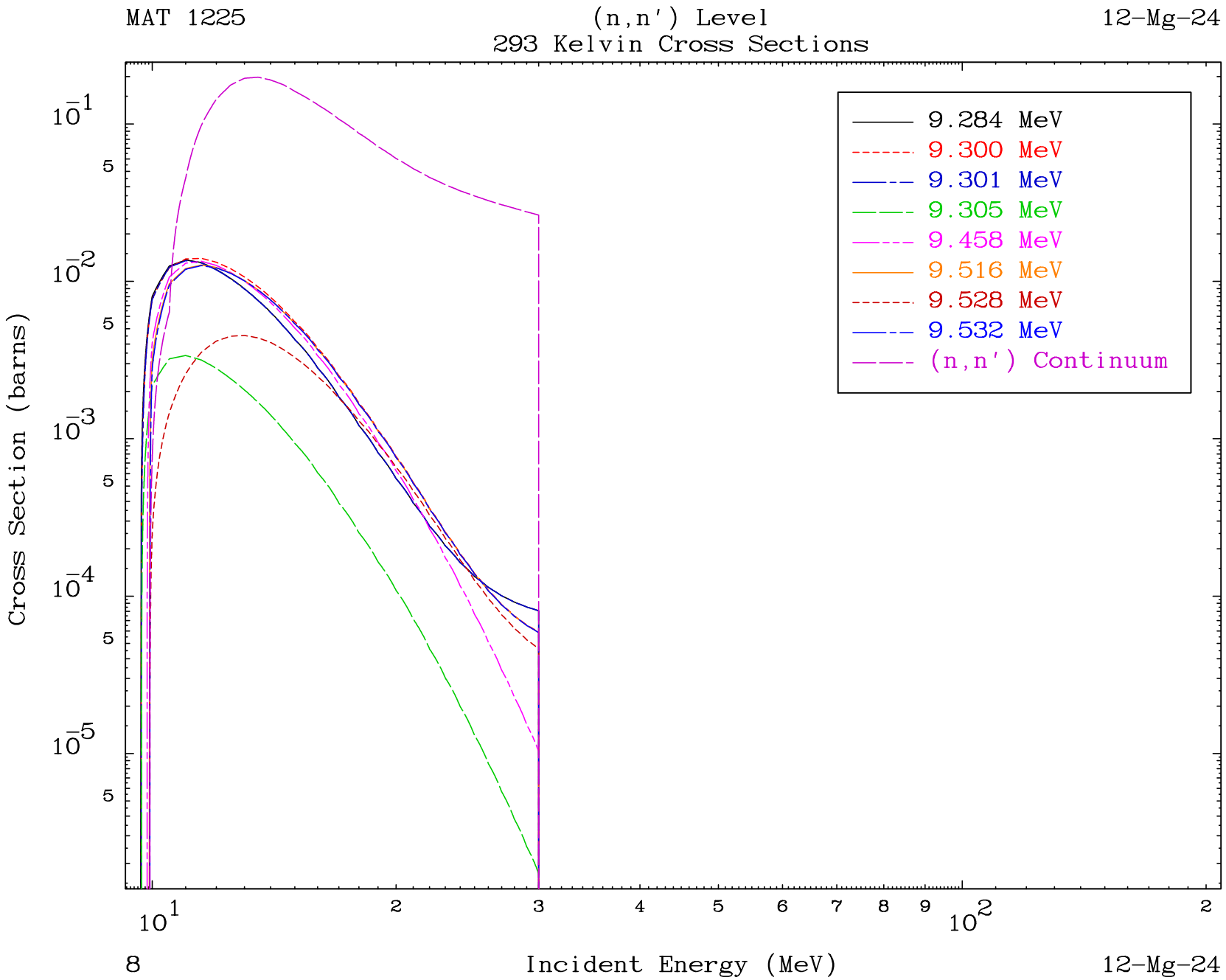

MAT 1225
Charged Particle
293 Kelvin Cross Sections
12-Mg-24
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
3
12-Mg-24

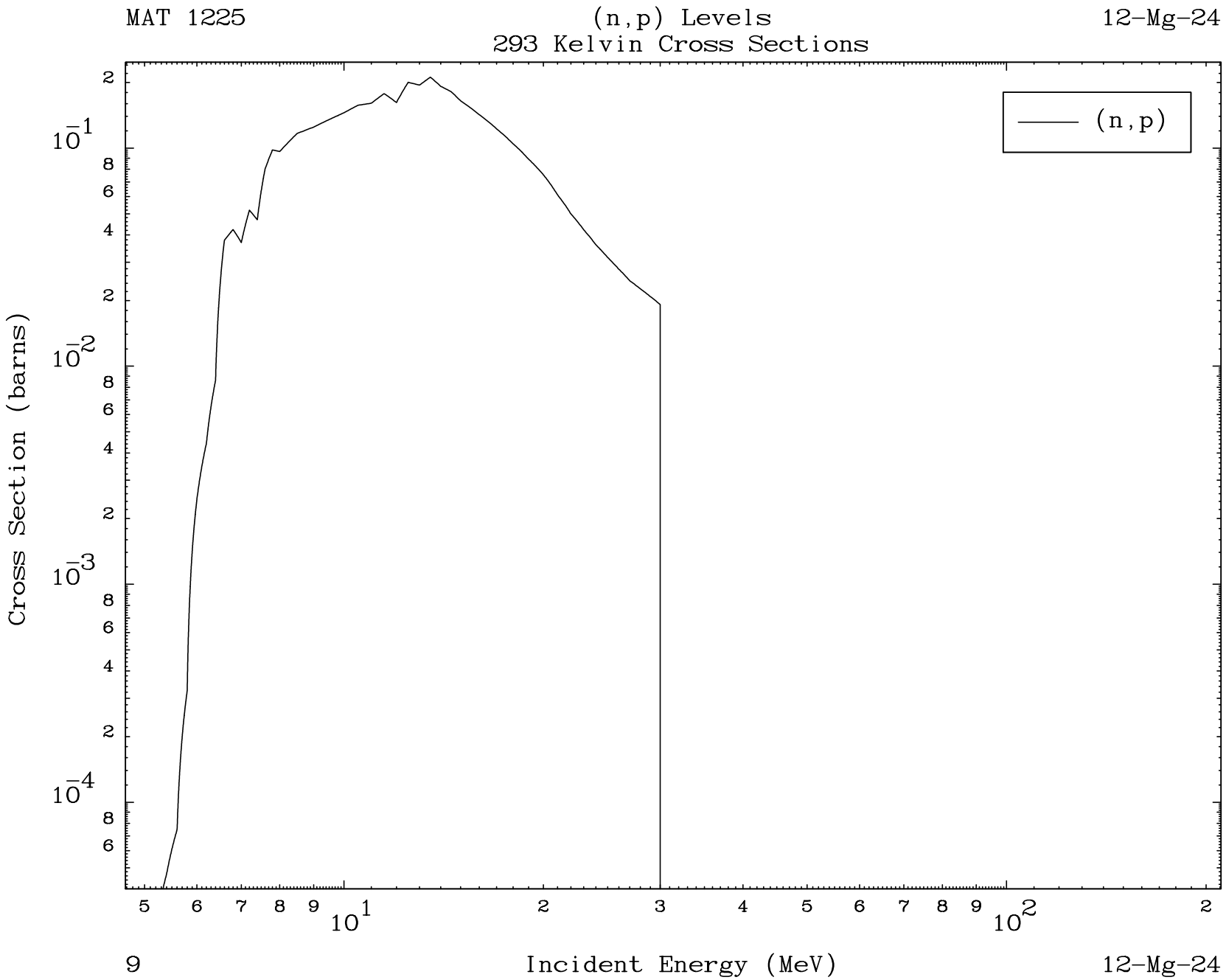

MAT 1225
Charged Particle
293 Kelvin Cross Sections
12-Mg-24
Cross Section (barns)
Incident Energy (MeV)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
4
12-Mg-24

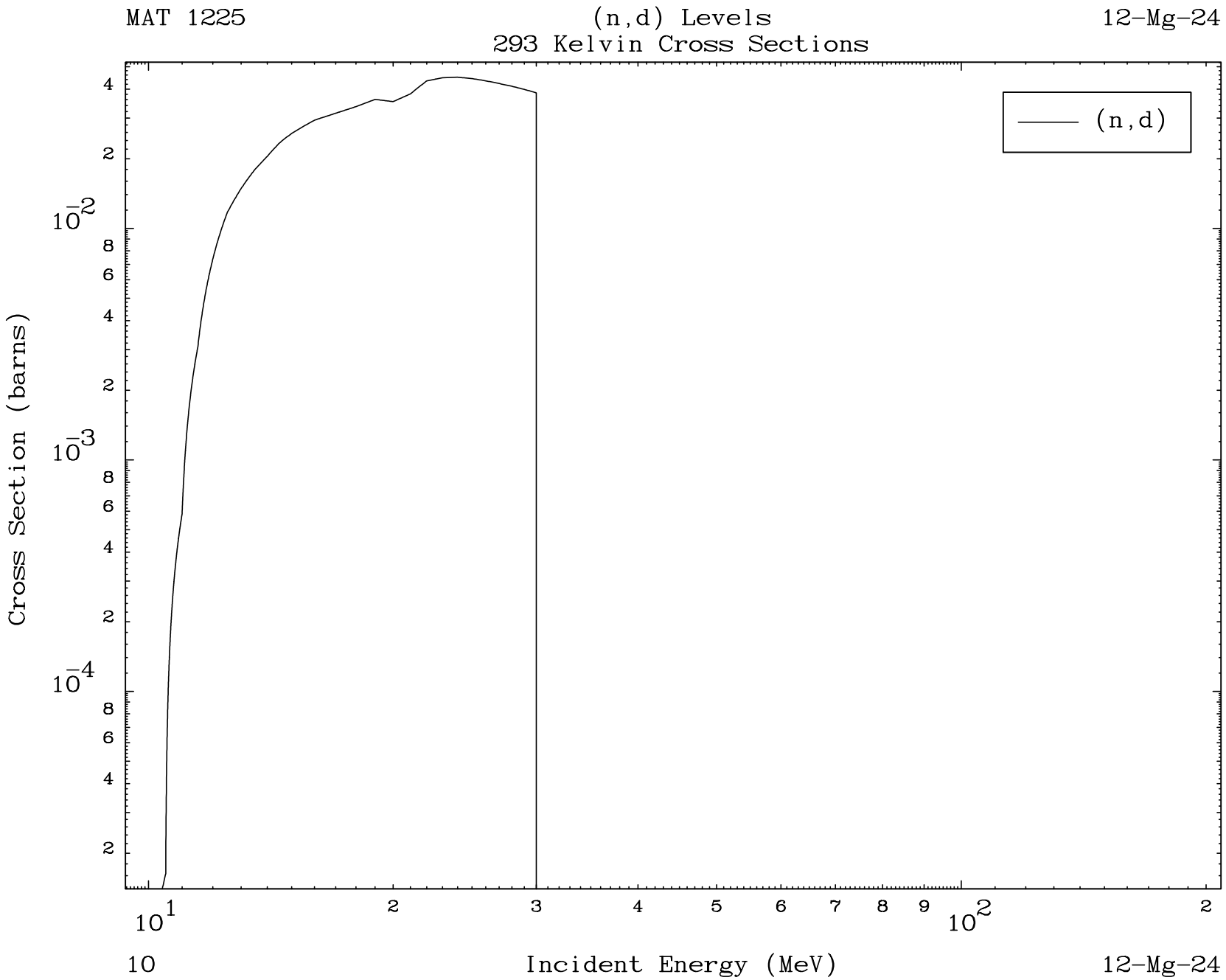

MAT 1225
Particle Production
293 Kelvin Cross Sections
12-Mg-24
Cross Section (barns)
Incident Energy (MeV)
12-Mg-24
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

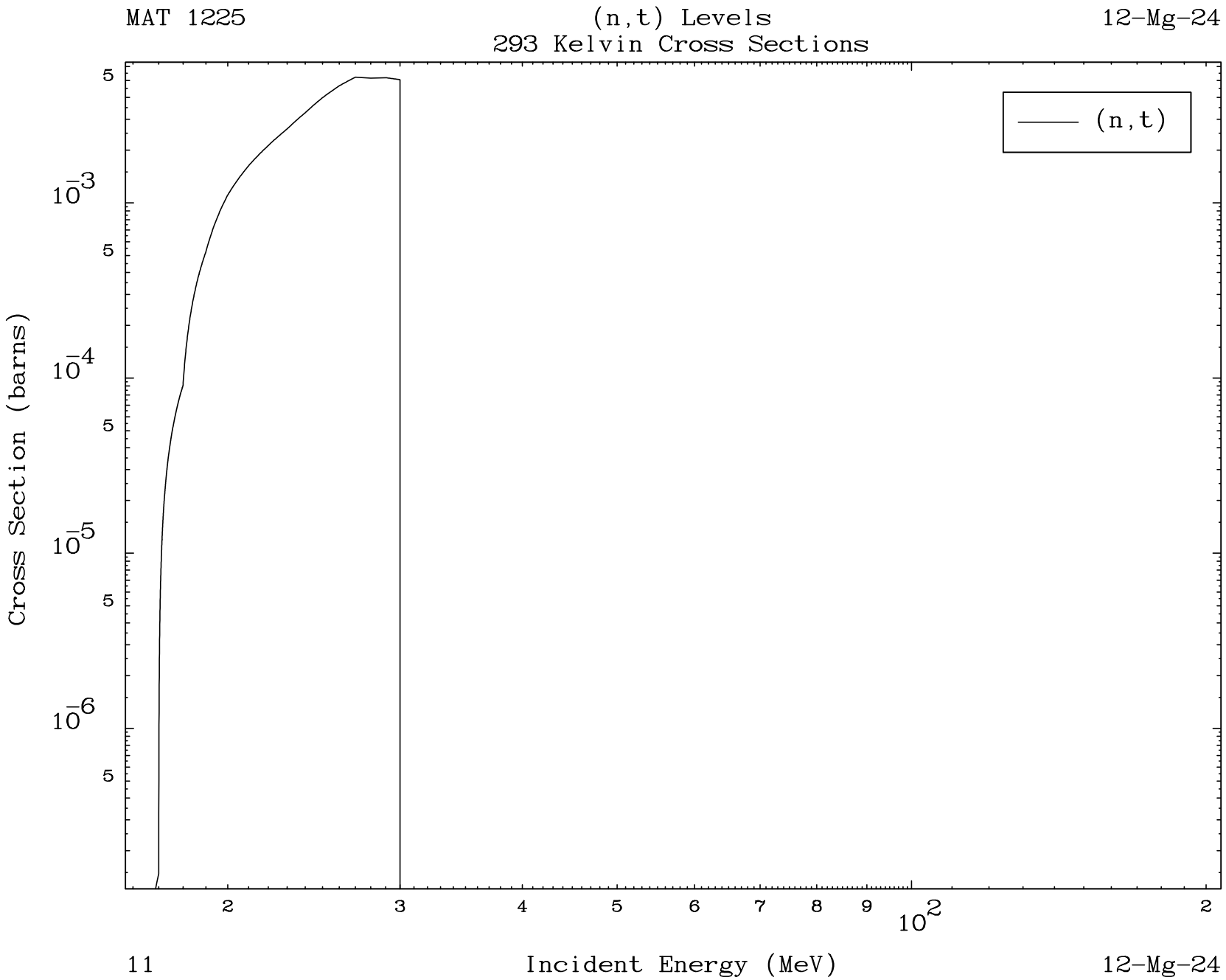

MAT 1225
(n,n') Level
293 Kelvin Cross Sections
12-Mg-24
Cross Section (barns)
Incident Energy (MeV)
Inelastic
1.369 MeV
4.123 MeV
4.238 MeV
5.235 MeV
6.011 MeV
6.432 MeV
7.349 MeV
7.555 MeV
7.616 MeV
6
12-Mg-24

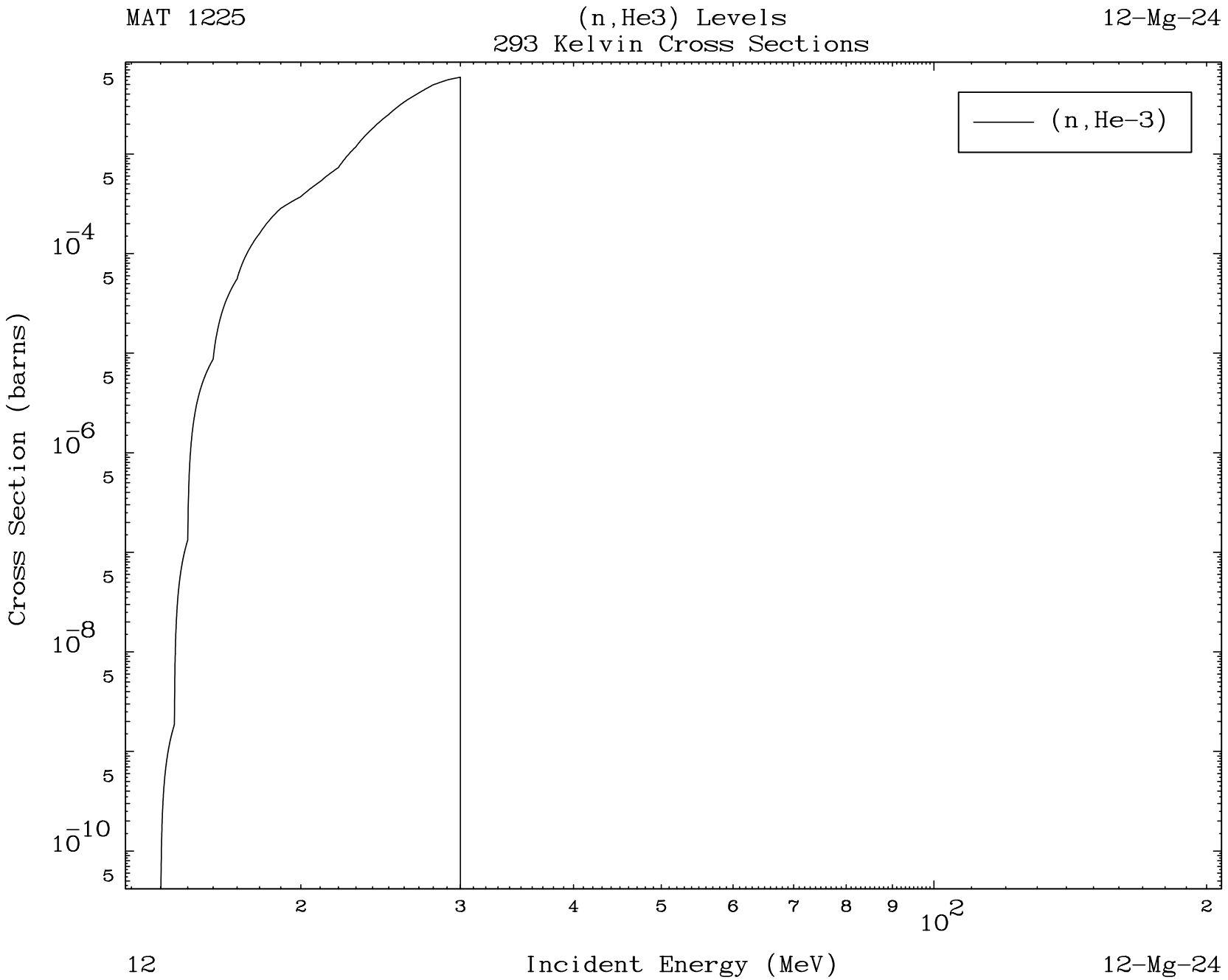

MAT 1225
(n,n') Level
293 Kelvin Cross Sections
12-Mg-24
7.748 MeV
7.812 MeV
8.114 MeV
8.358 MeV
8.437 MeV
8.439 MeV
8.655 MeV
8.864 MeV
9.003 MeV
9.146 MeV
Cross Section (barns)
Incident Energy (MeV)
7
12-Mg-24

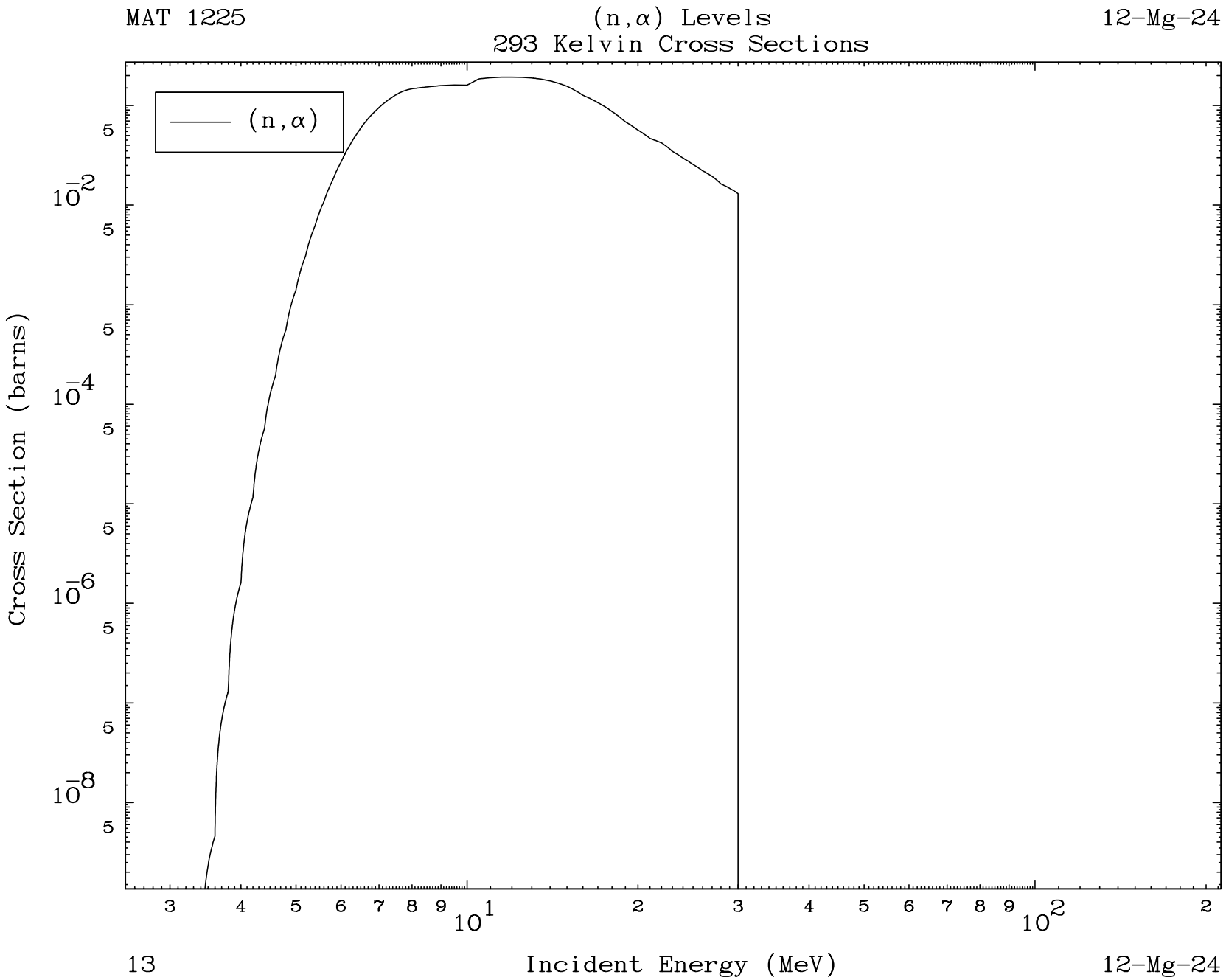

MAT 1225
(n,n') Level
293 Kelvin Cross Sections
12-Mg-24
9.284 MeV
9.300 MeV
9.301 MeV
9.305 MeV
9.458 MeV
9.516 MeV
9.528 MeV
9.532 MeV
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
8
12-Mg-24

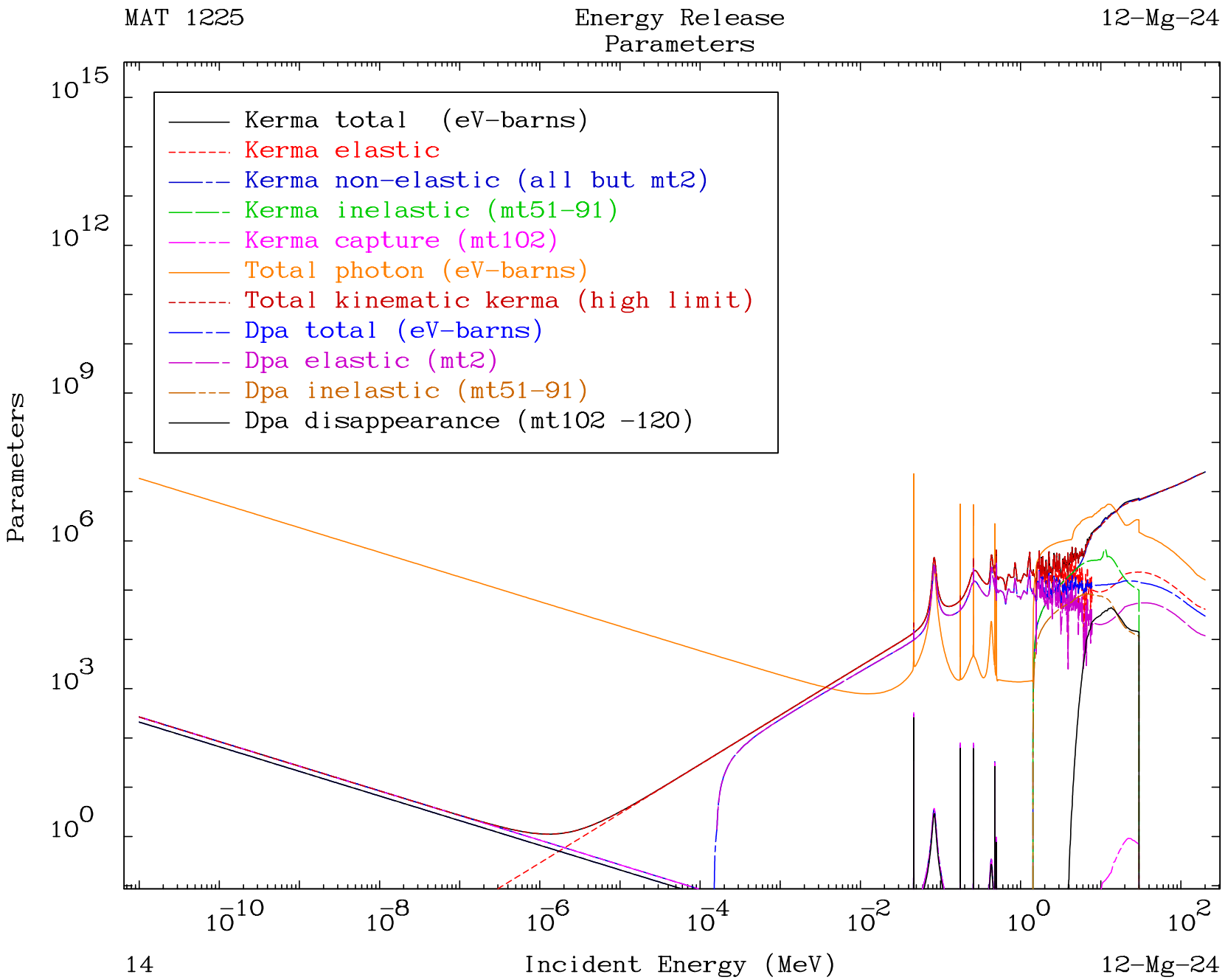

MAT 1225
(n,p) Levels
12-Mg-24
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
9
12-Mg-24

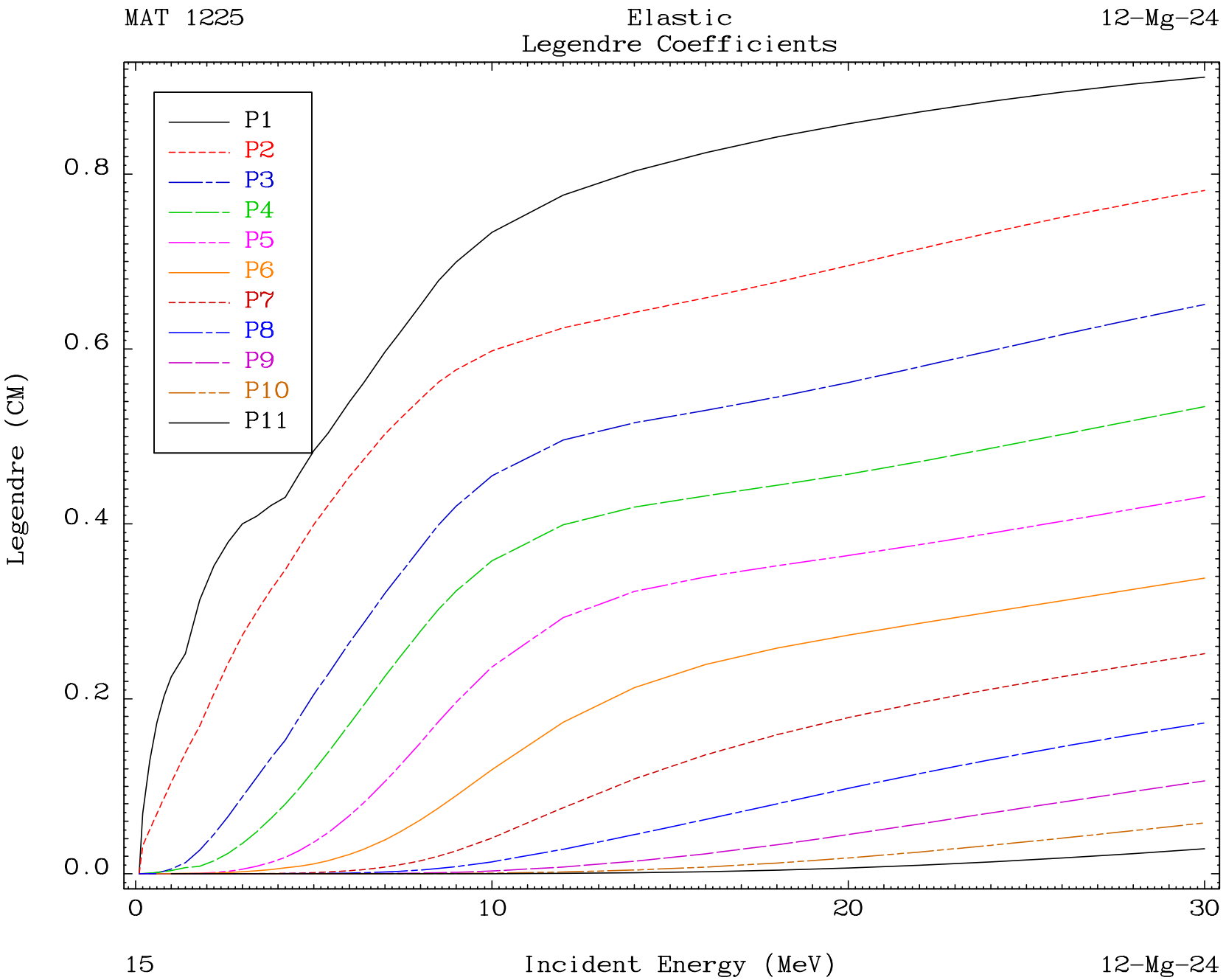

MAT 1225
(n,d) Levels
12-Mg-24
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12-Mg-24

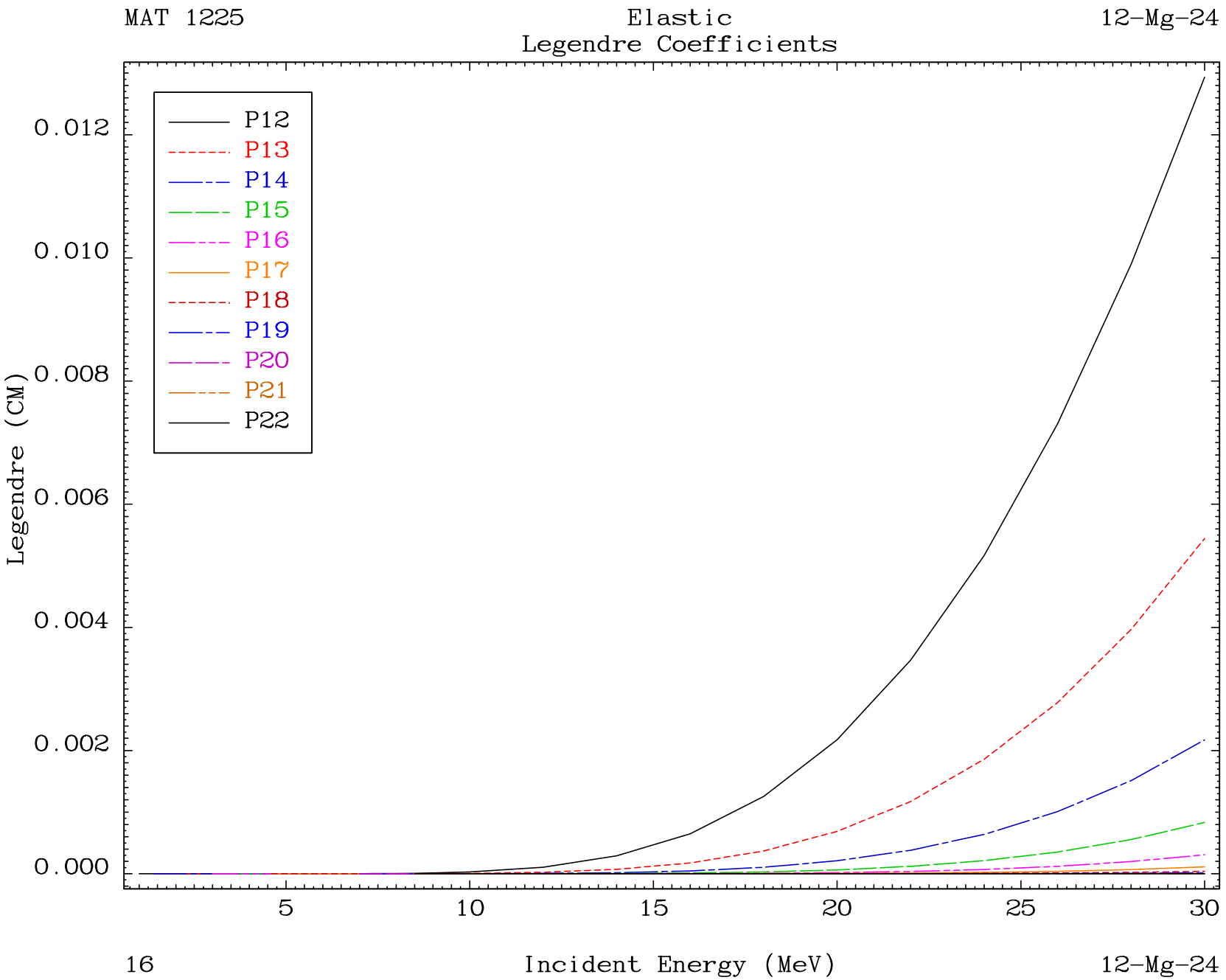

MAT 1225
(n,t) Levels
293 Kelvin Cross Sections
12-Mg-24
(n,t)
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
12-Mg-24

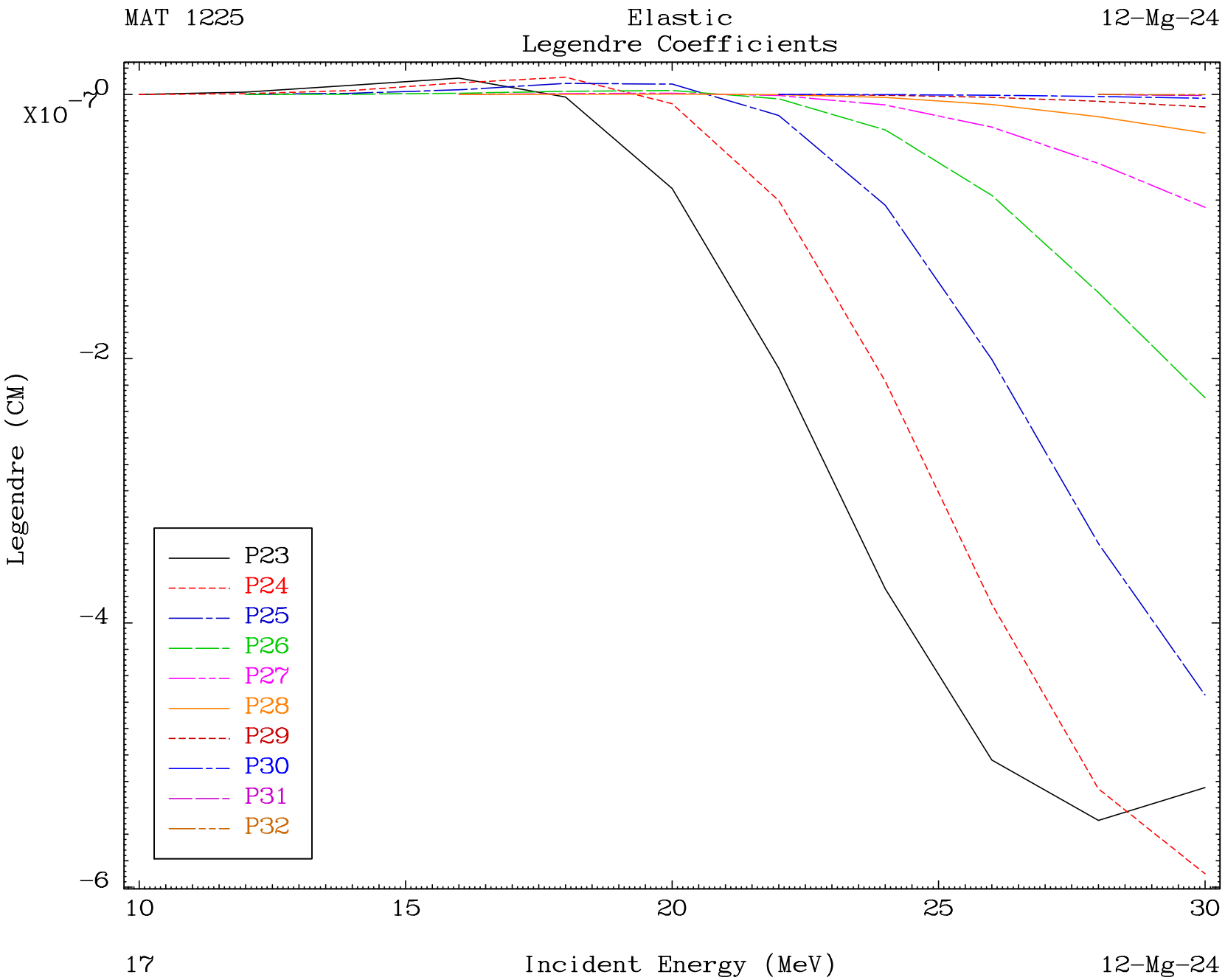

MAT 1225
(n,He3) Levels
12-Mg-24
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
12-Mg-24

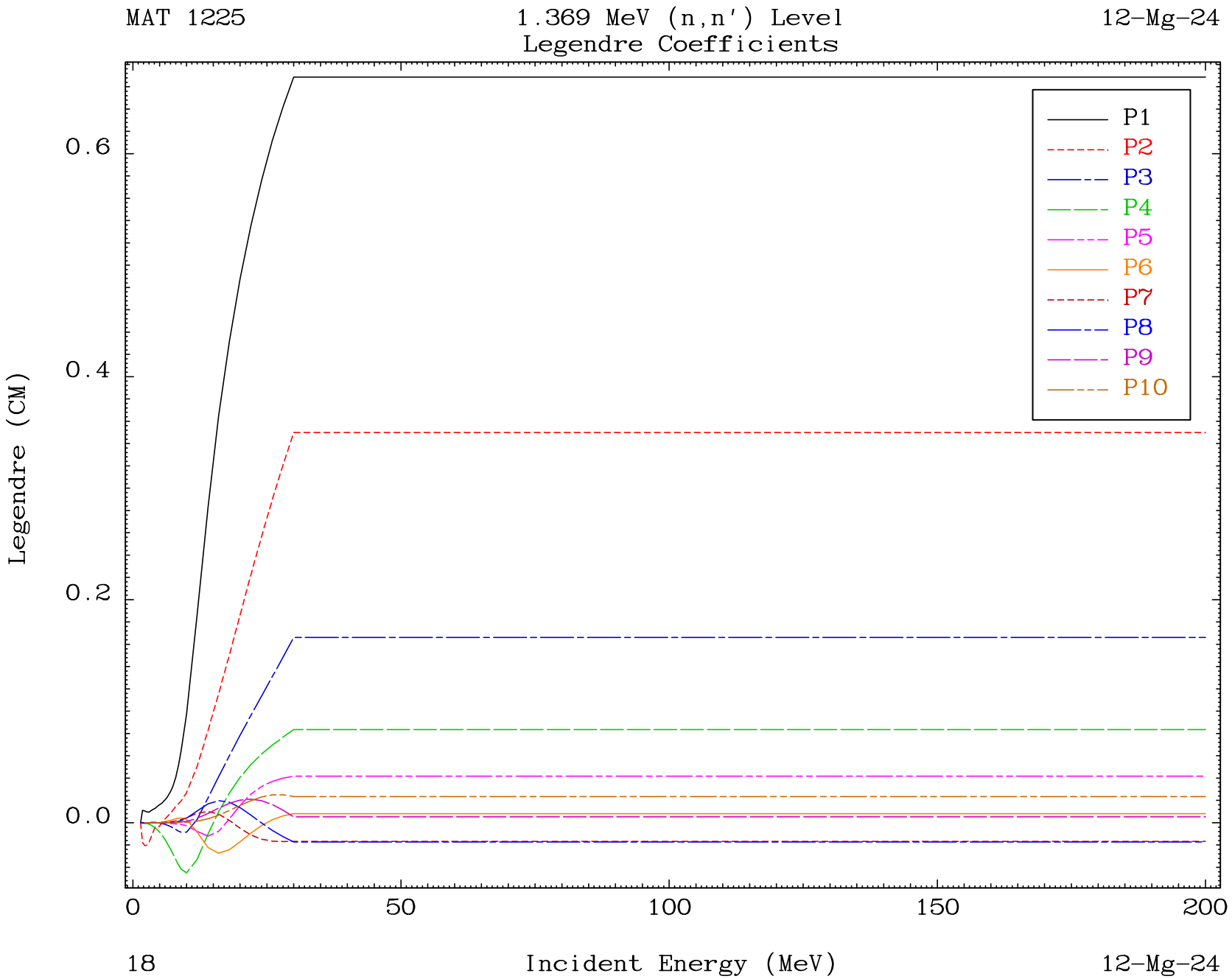

MAT 1225
(n,α) Levels
12-Mg-24
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
13
12-Mg-24

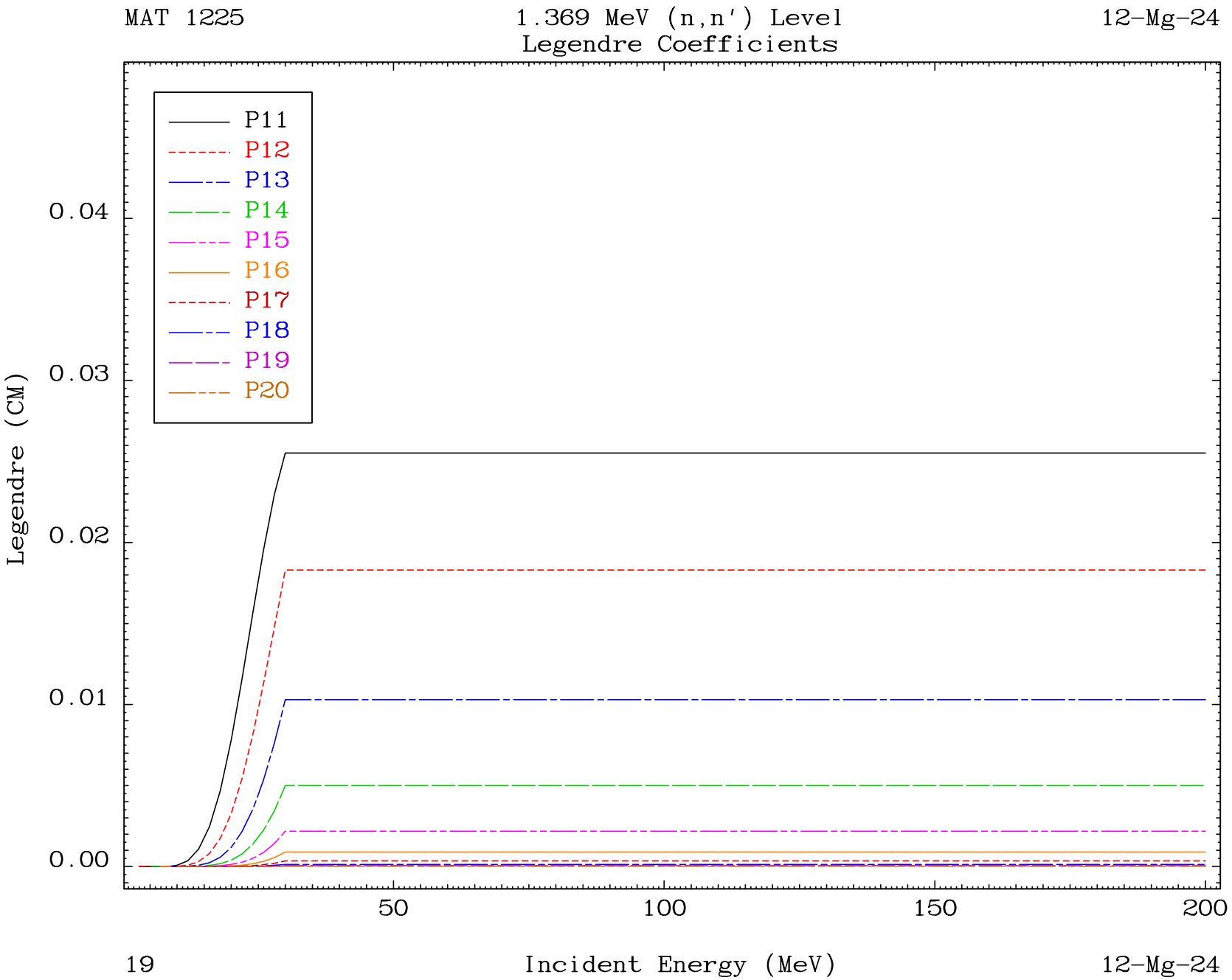

MAT 1225
Energy Release Parameters
12-Mg-24
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
$10^{15}$
$10^{12}$
$10^{9}$
$10^{6}$
$10^{3}$
$10^{0}$
$10^{-10}$
$10^{-8}$
$10^{-6}$
$10^{-4}$
$10^{-2}$
$10^{0}$
$10^{2}$
Incident Energy (MeV)
14
12-Mg-24

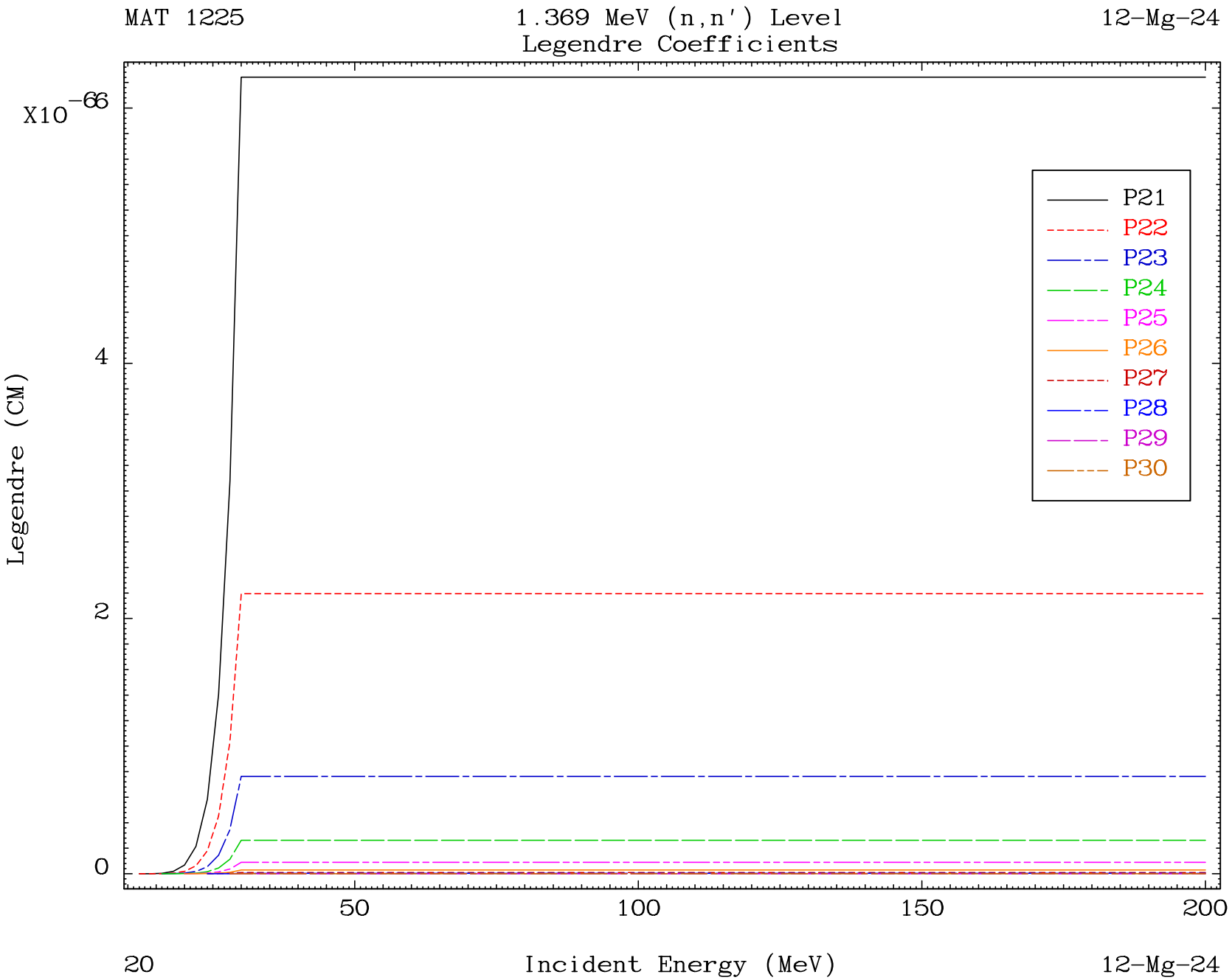

MAT 1225
Elastic
Legendre Coefficients
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
12-Mg-24

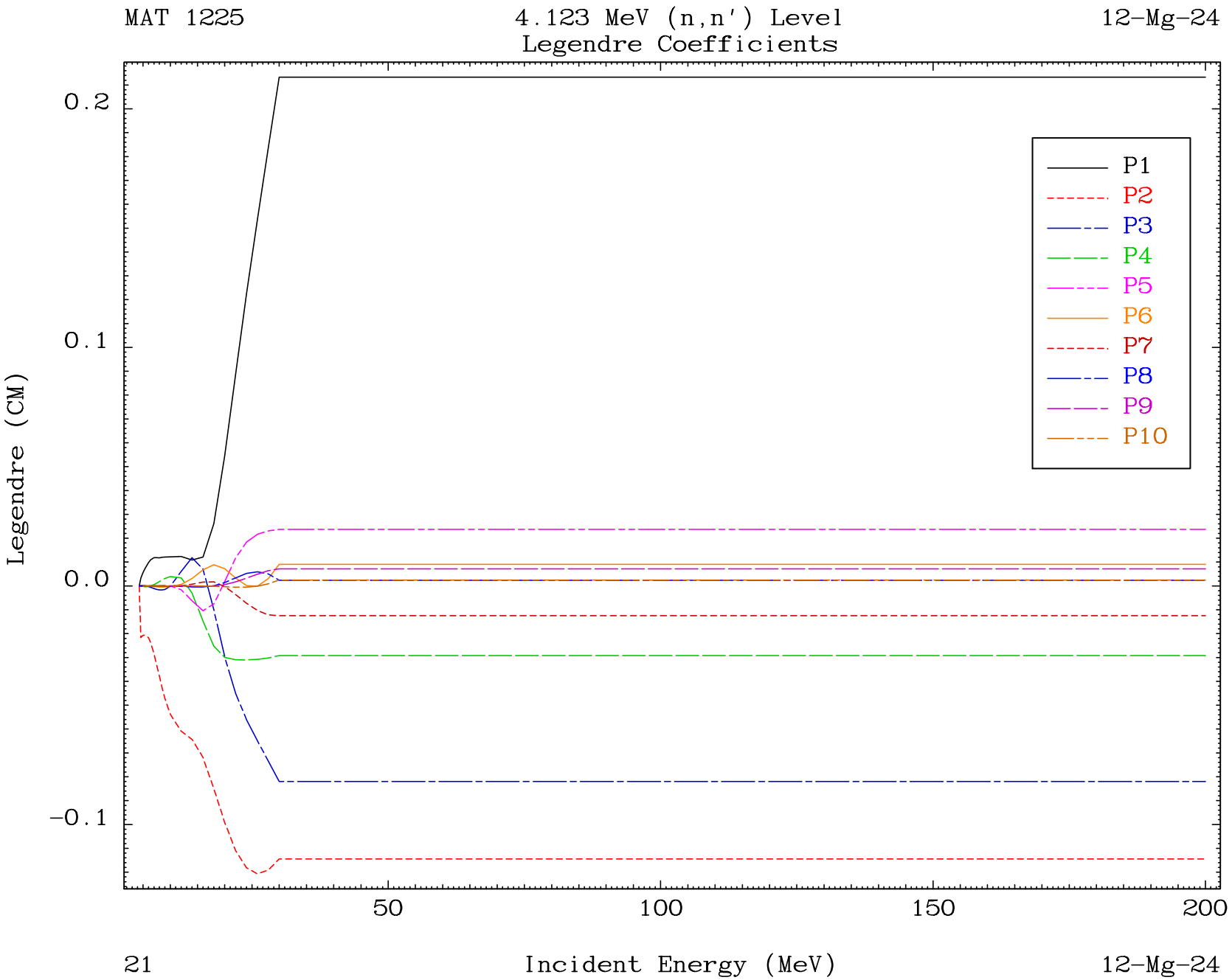

MAT 1225
Elastic
Legendre Coefficients
12-Mg-24
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
5
10
15
20
25
30
16
Incident Energy (MeV)
12-Mg-24

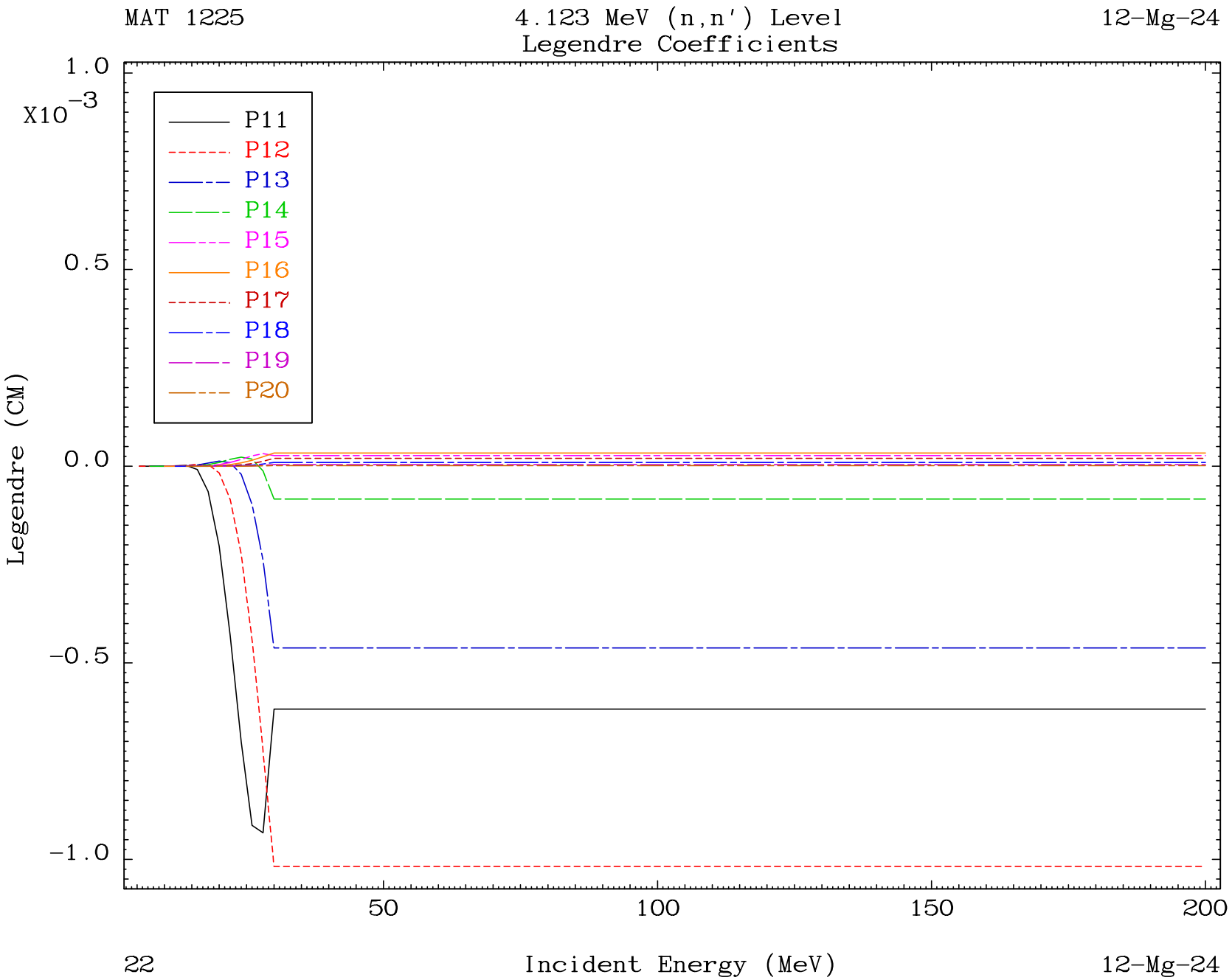

MAT 1225
Elastic
Legendre Coefficients
12-Mg-24
X10^-1
0
-2
-4
-6
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
10
15
20
25
30
17
Incident Energy (MeV)
12-Mg-24

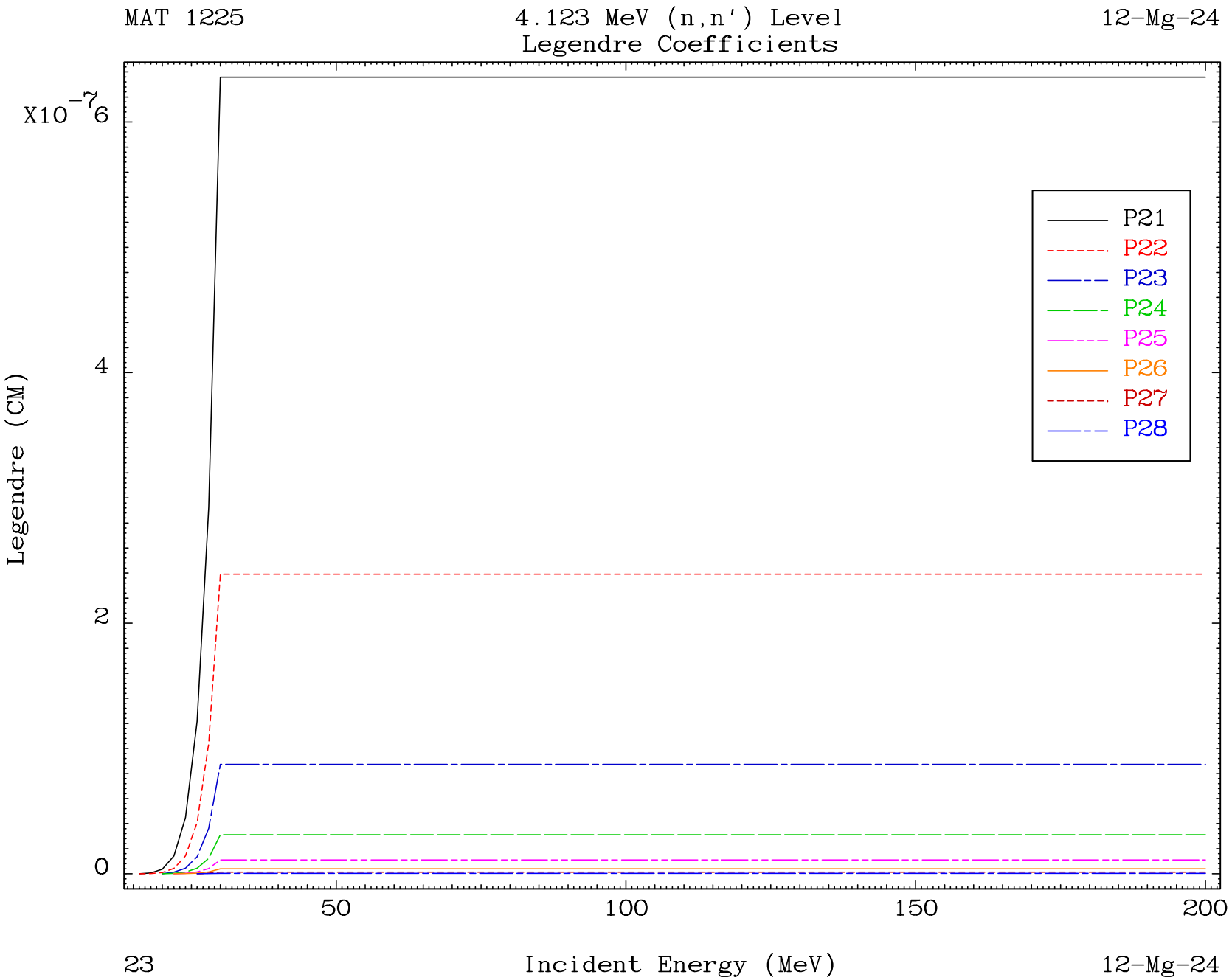

MAT 1225
1.369 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.6
0.4
0.2
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
18
Incident Energy (MeV)
12-Mg-24

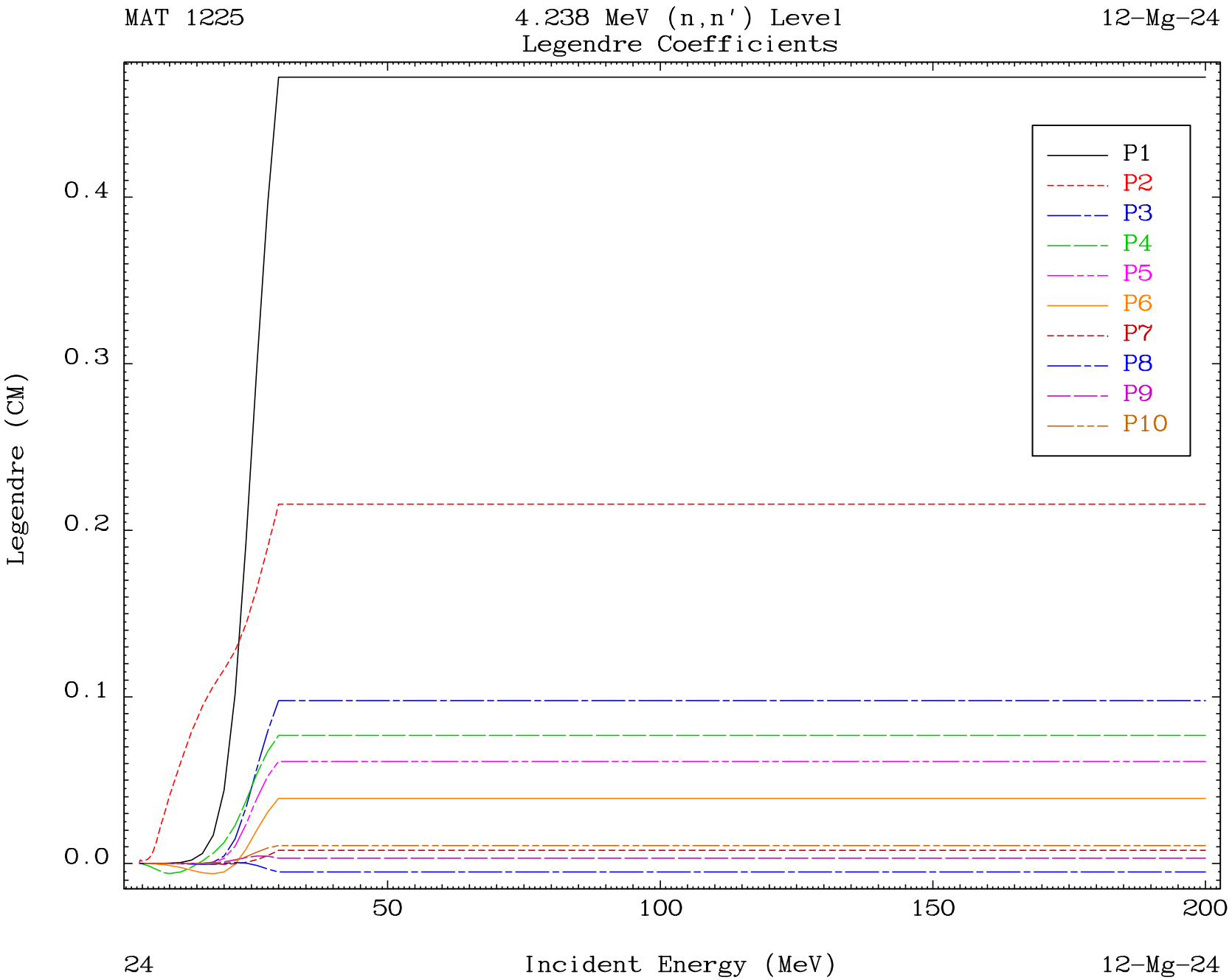

MAT 1225
1.369 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
19
Incident Energy (MeV)
12-Mg-24

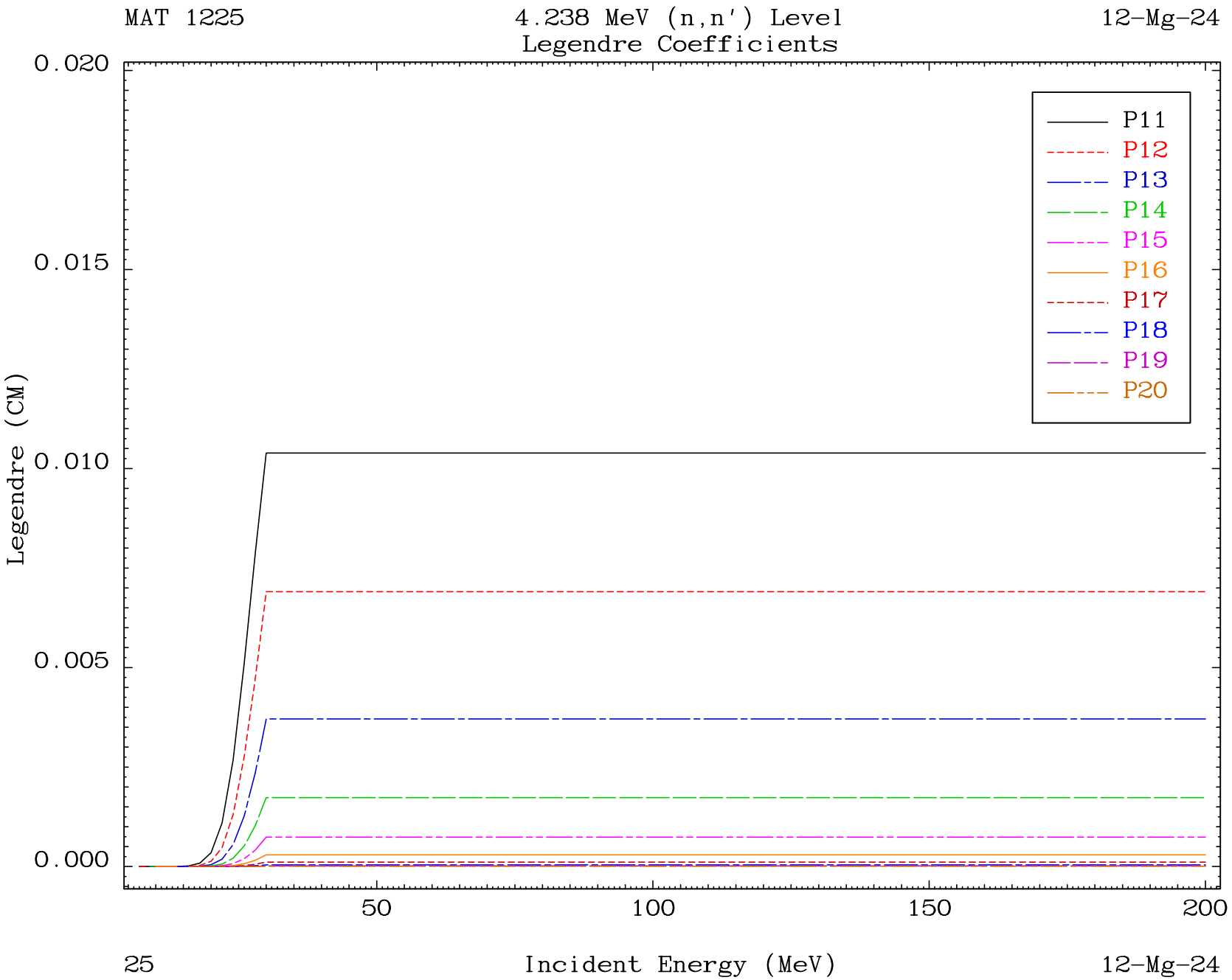

MAT 1225
1.369 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10 -66
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
20
Incident Energy (MeV)
12-Mg-24

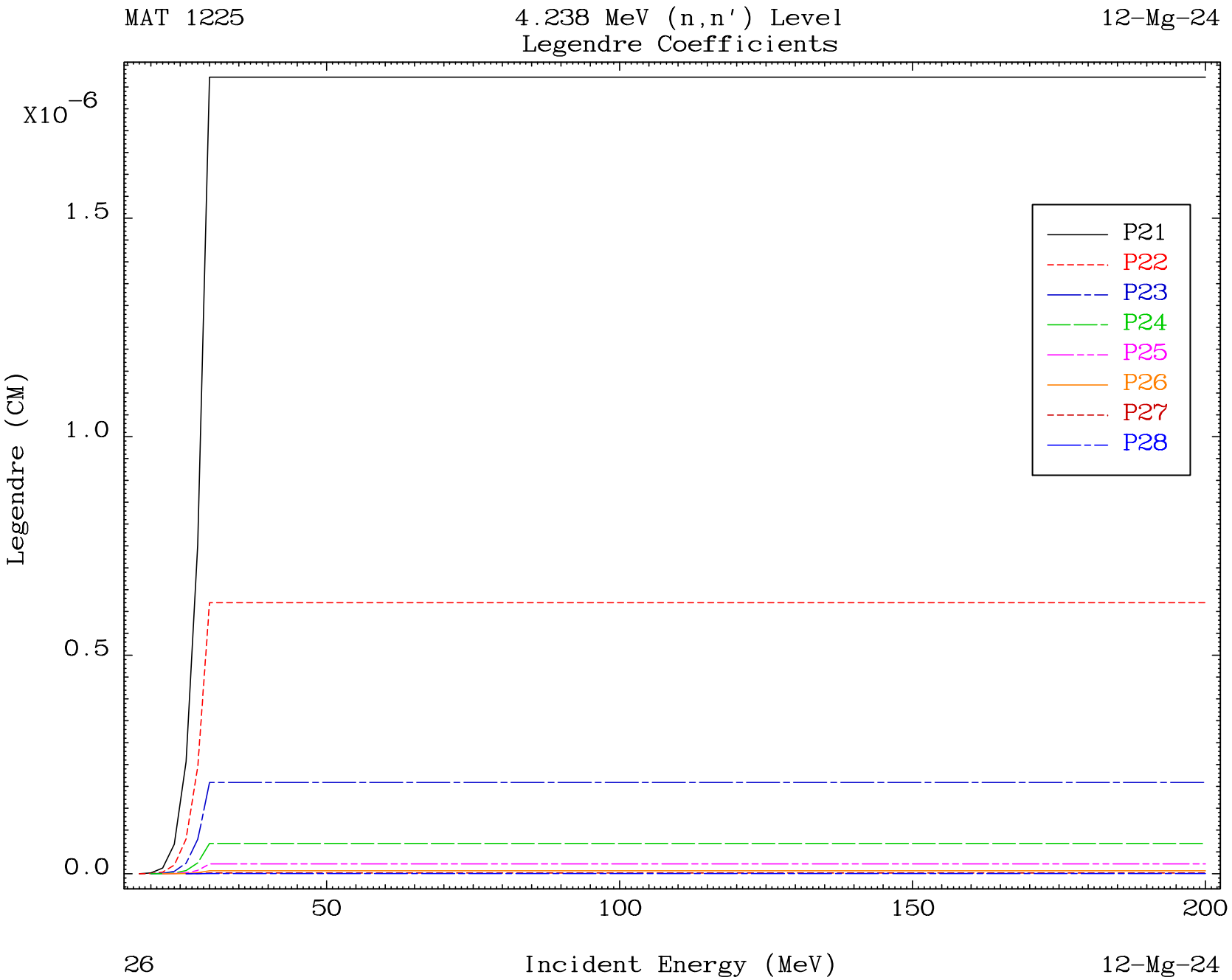

MAT 1225
4.123 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
21
Incident Energy (MeV)
12-Mg-24

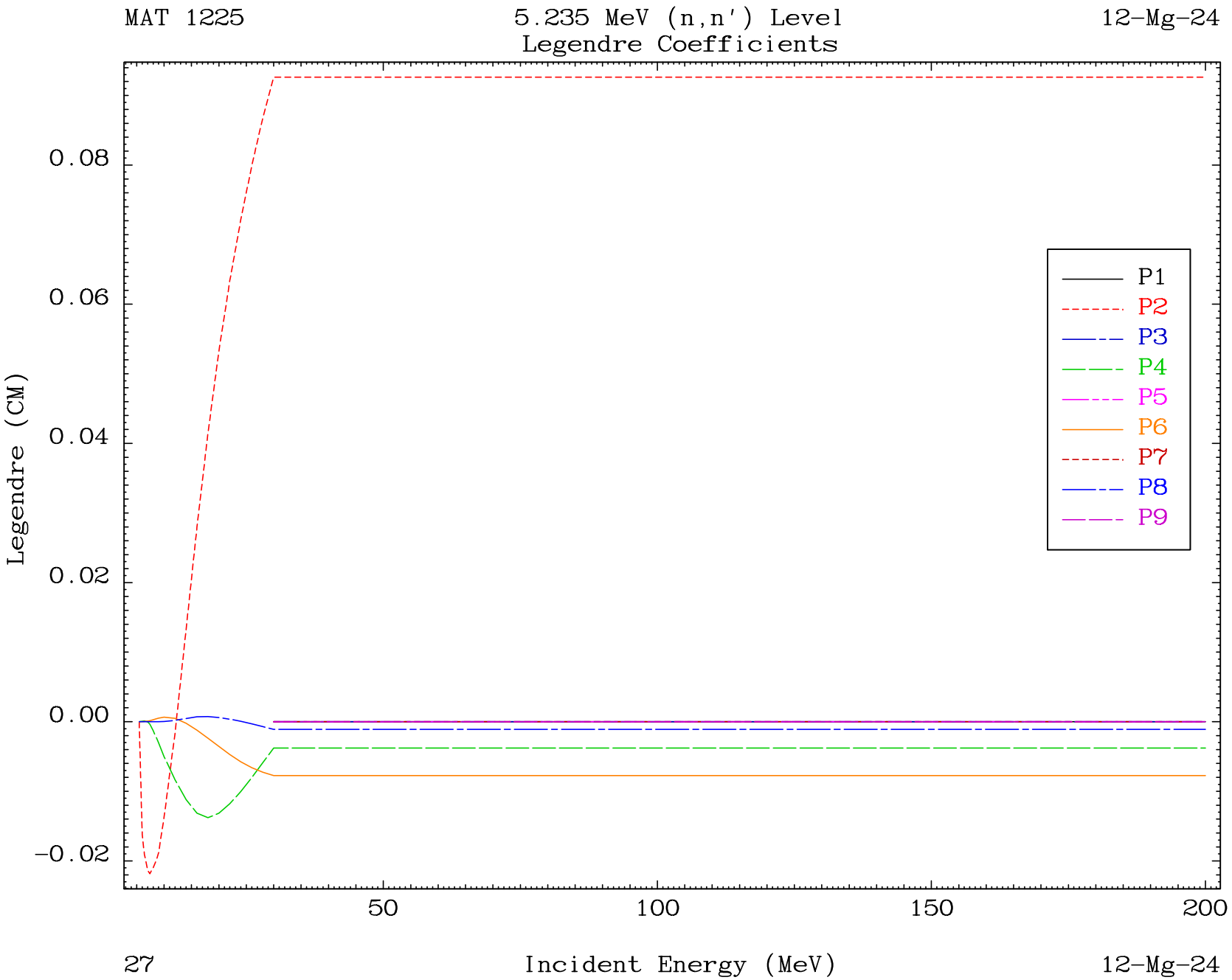

MAT 1225
4.123 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
1.0
X10-3
0.5
0.0
-0.5
-1.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
22
Incident Energy (MeV)
12-Mg-24

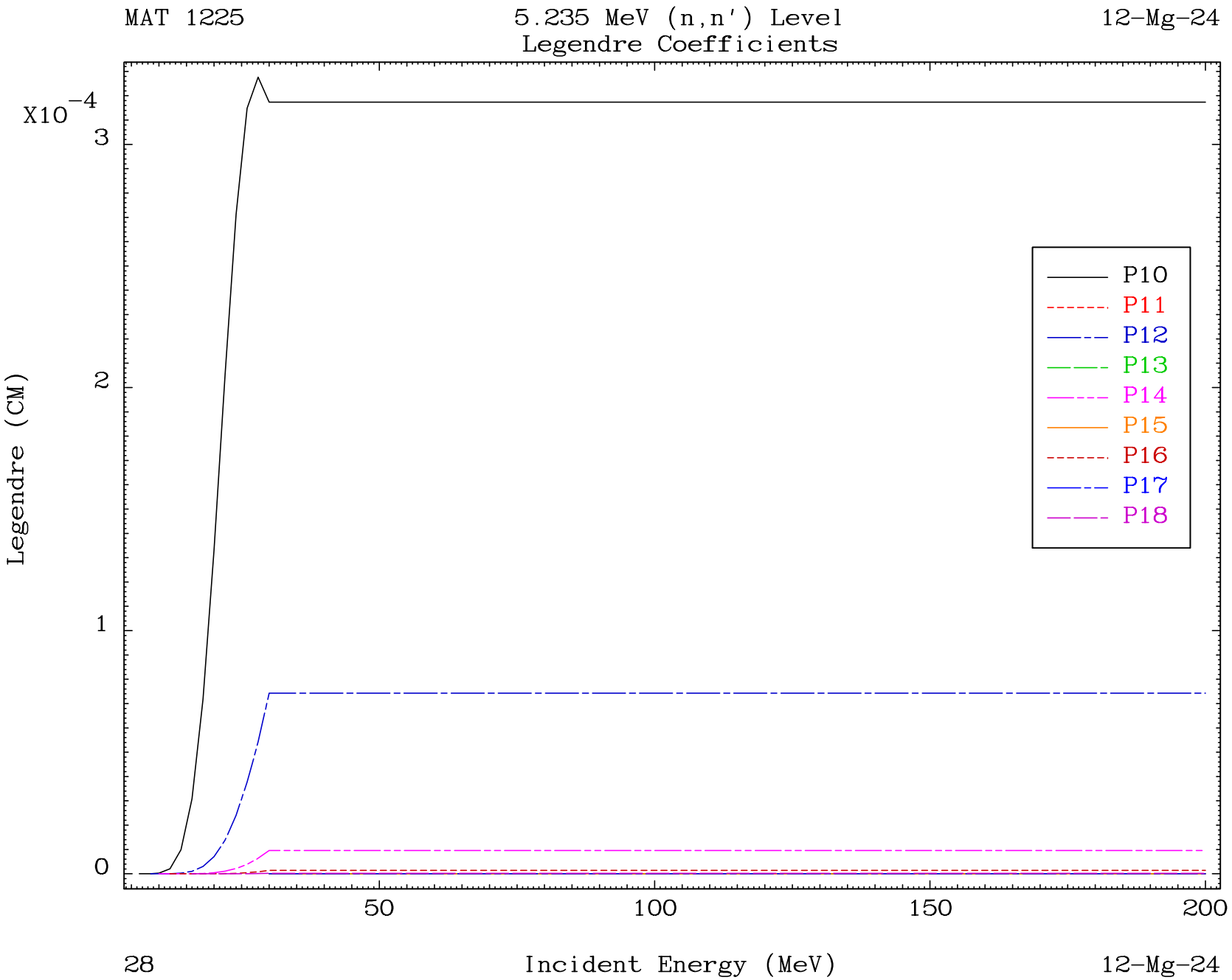

MAT 1225
4.123 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-7
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
23
Incident Energy (MeV)
12-Mg-24

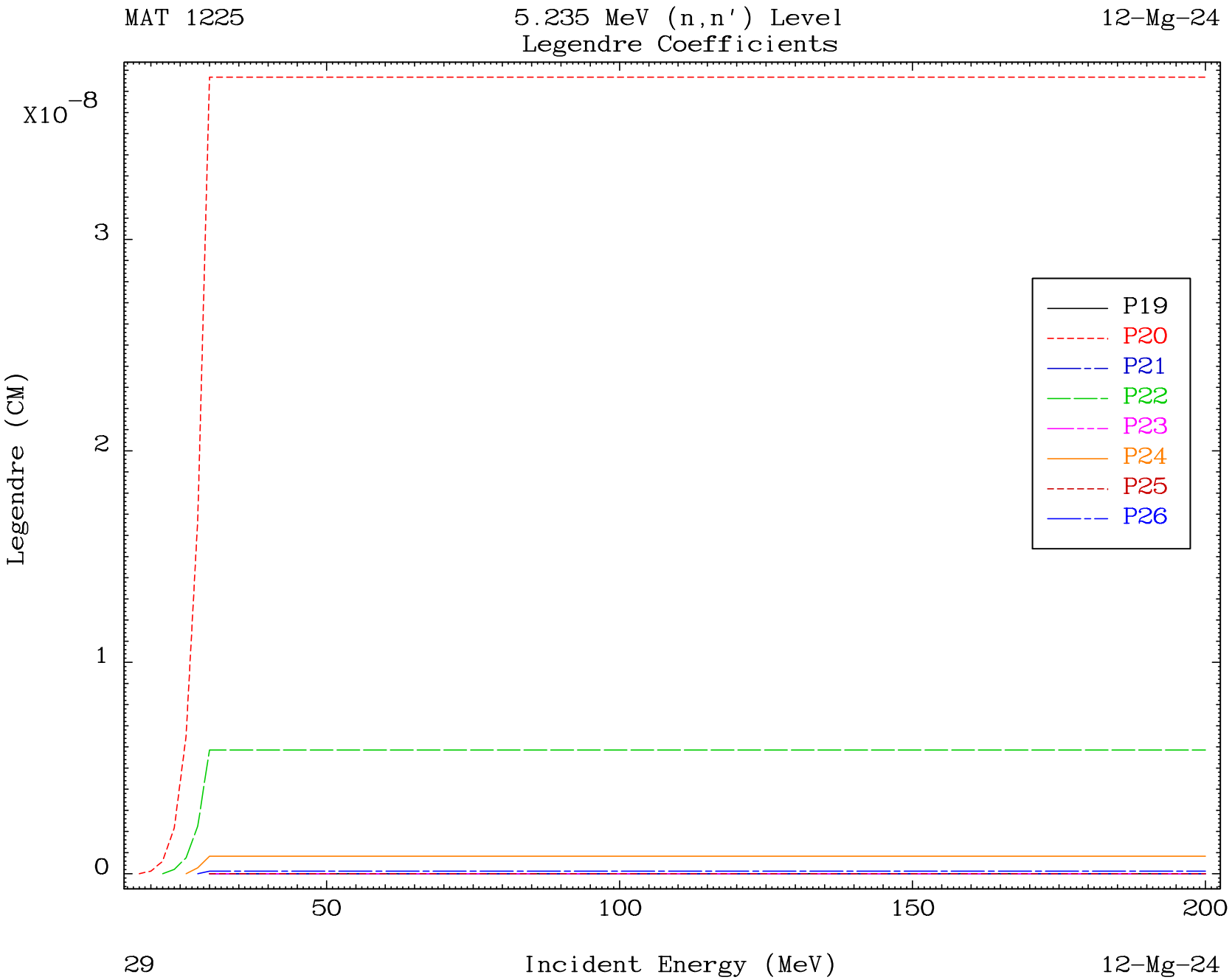

MAT 1225
4.238 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
24
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

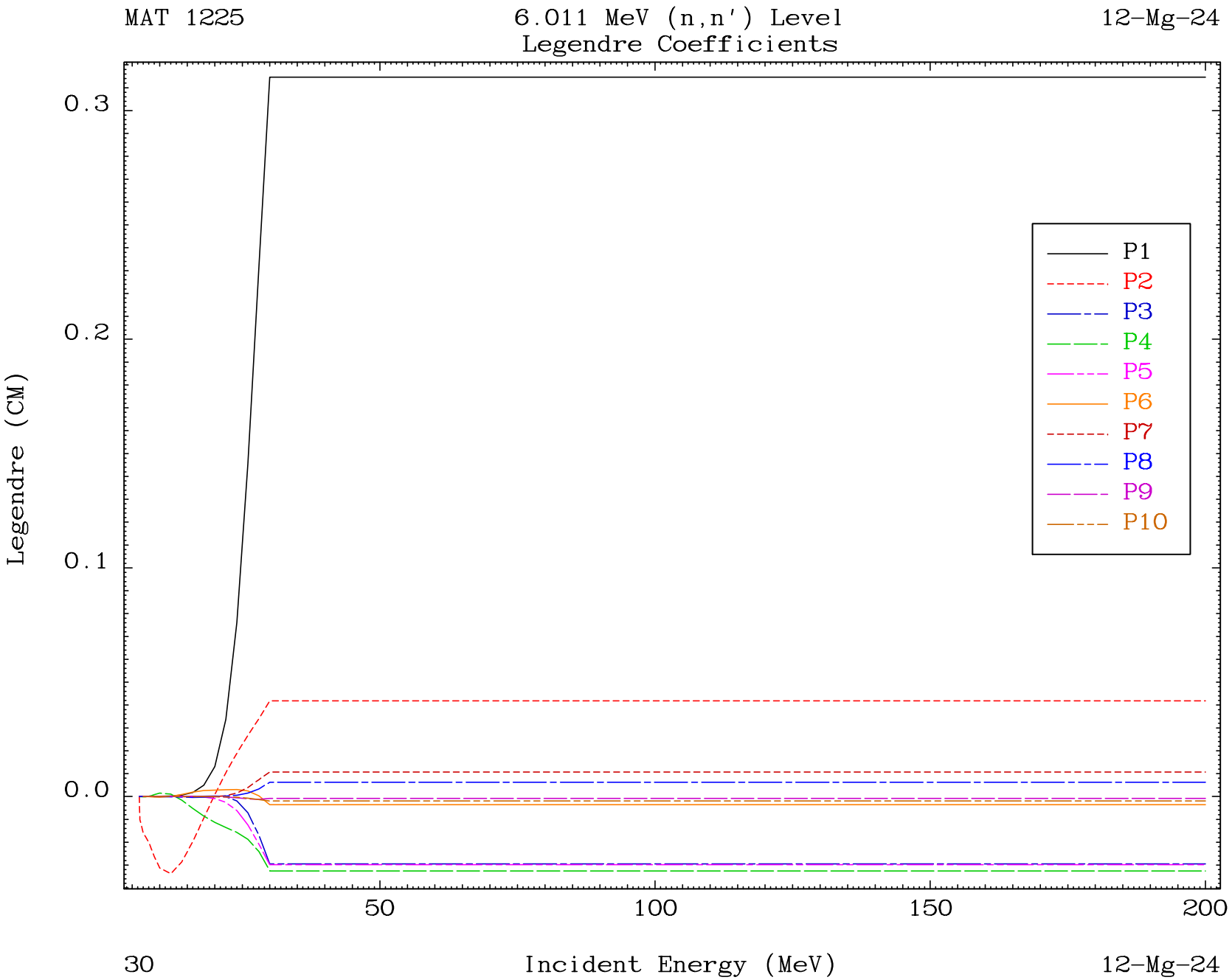

MAT 1225
4.238 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
25
Incident Energy (MeV)
12-Mg-24

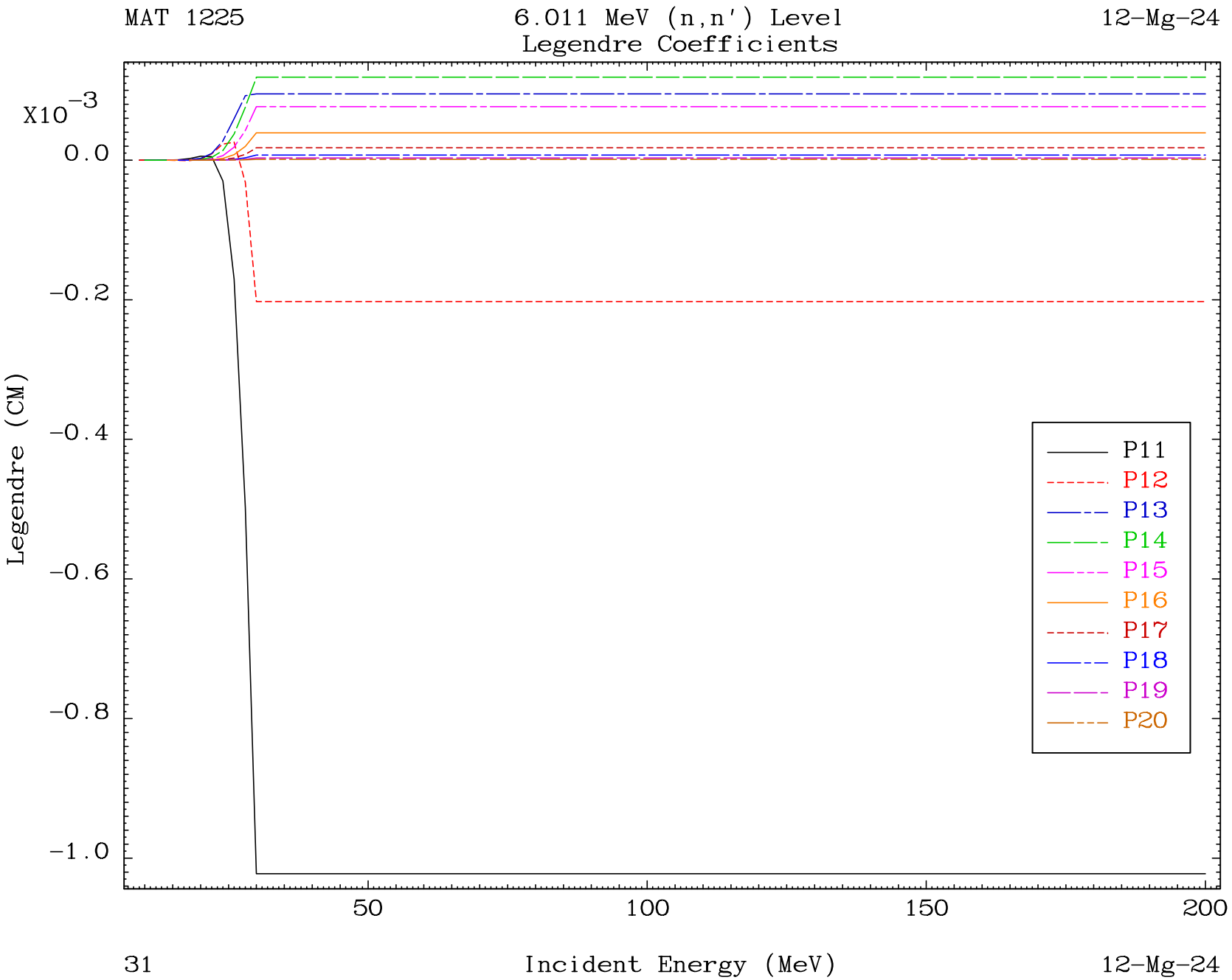

MAT 1225
4.238 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
26
Incident Energy (MeV)
12-Mg-24

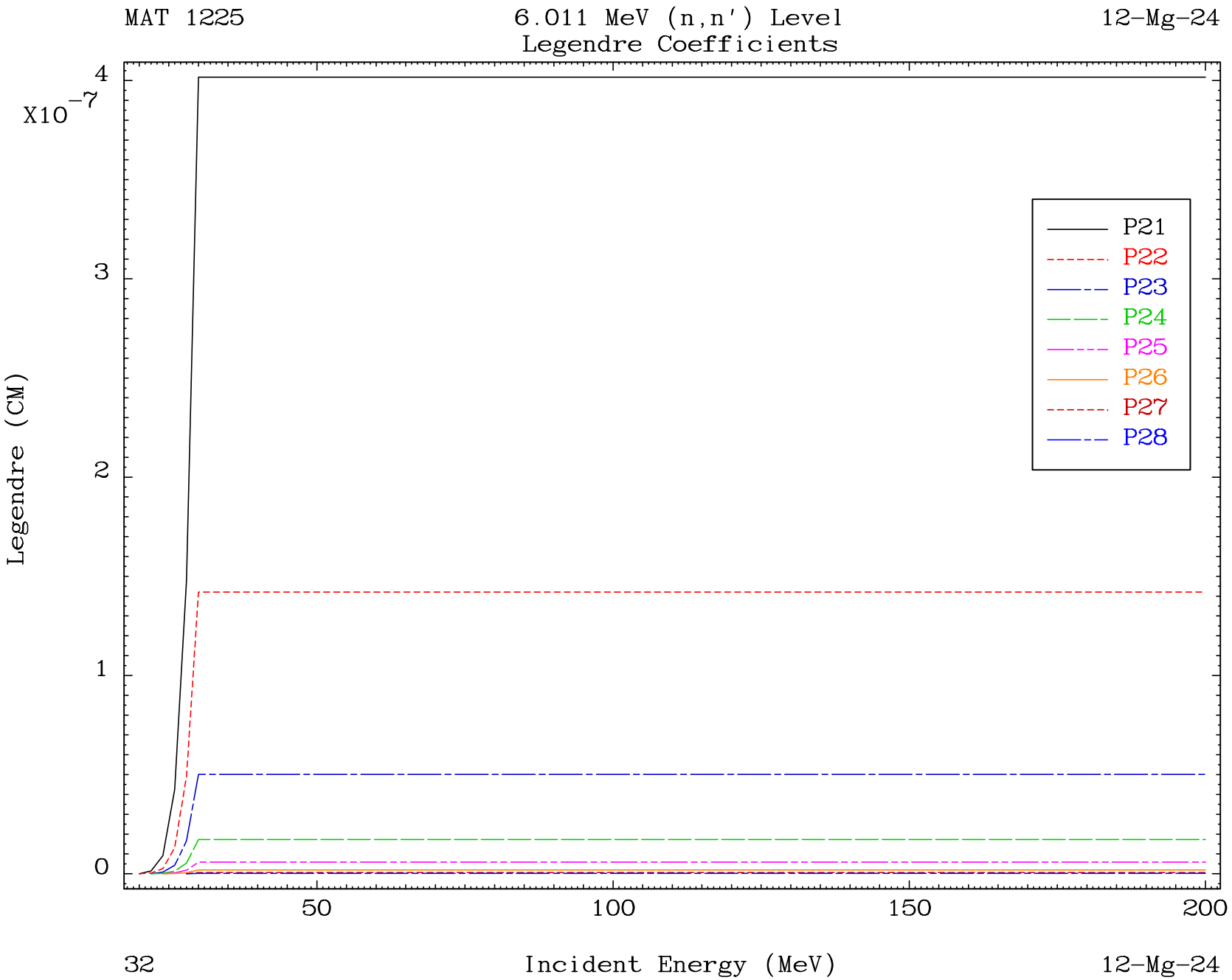

MAT 1225
5.235 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9

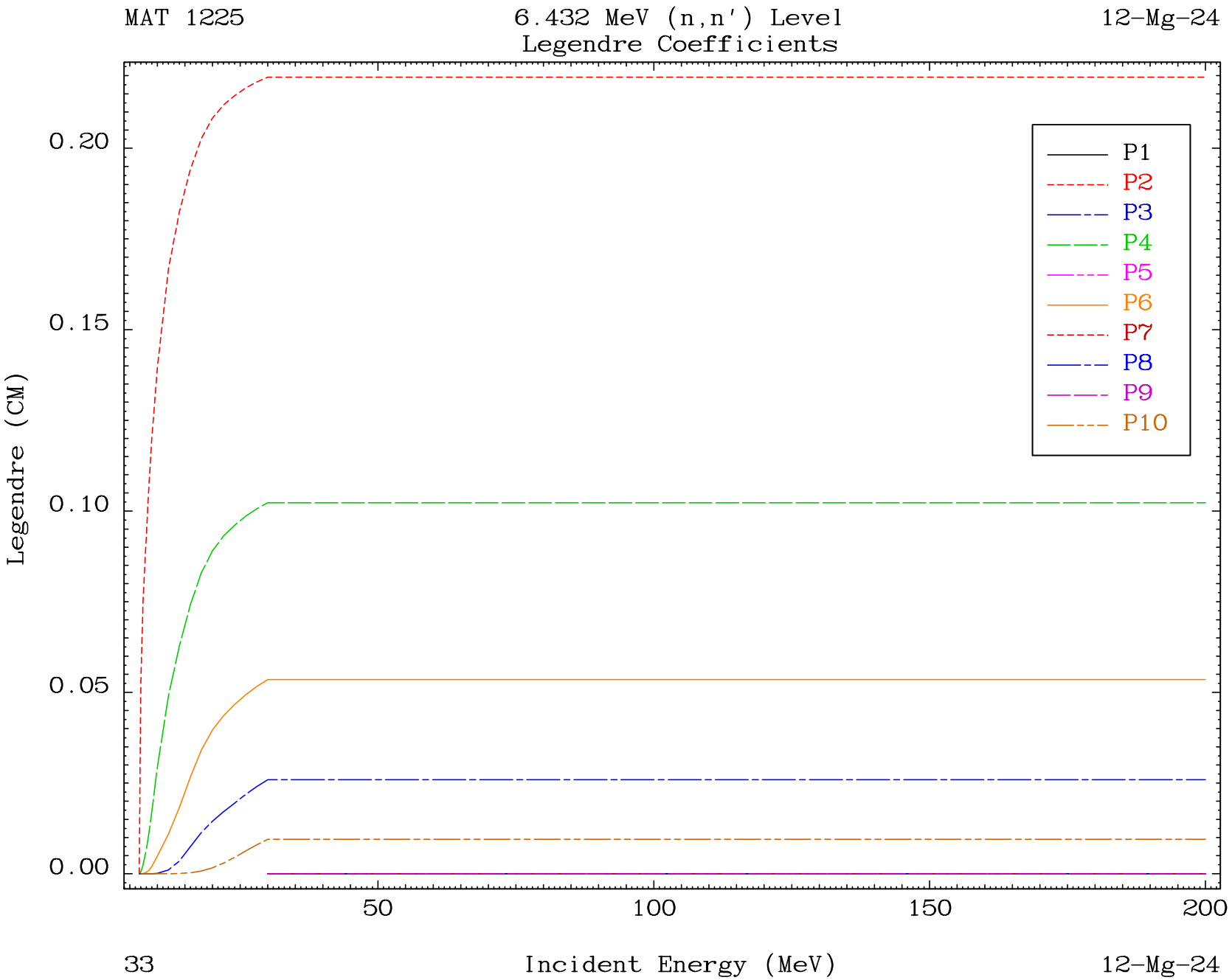

MAT 1225
5.235 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10 -4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
28
Incident Energy (MeV)
12-Mg-24

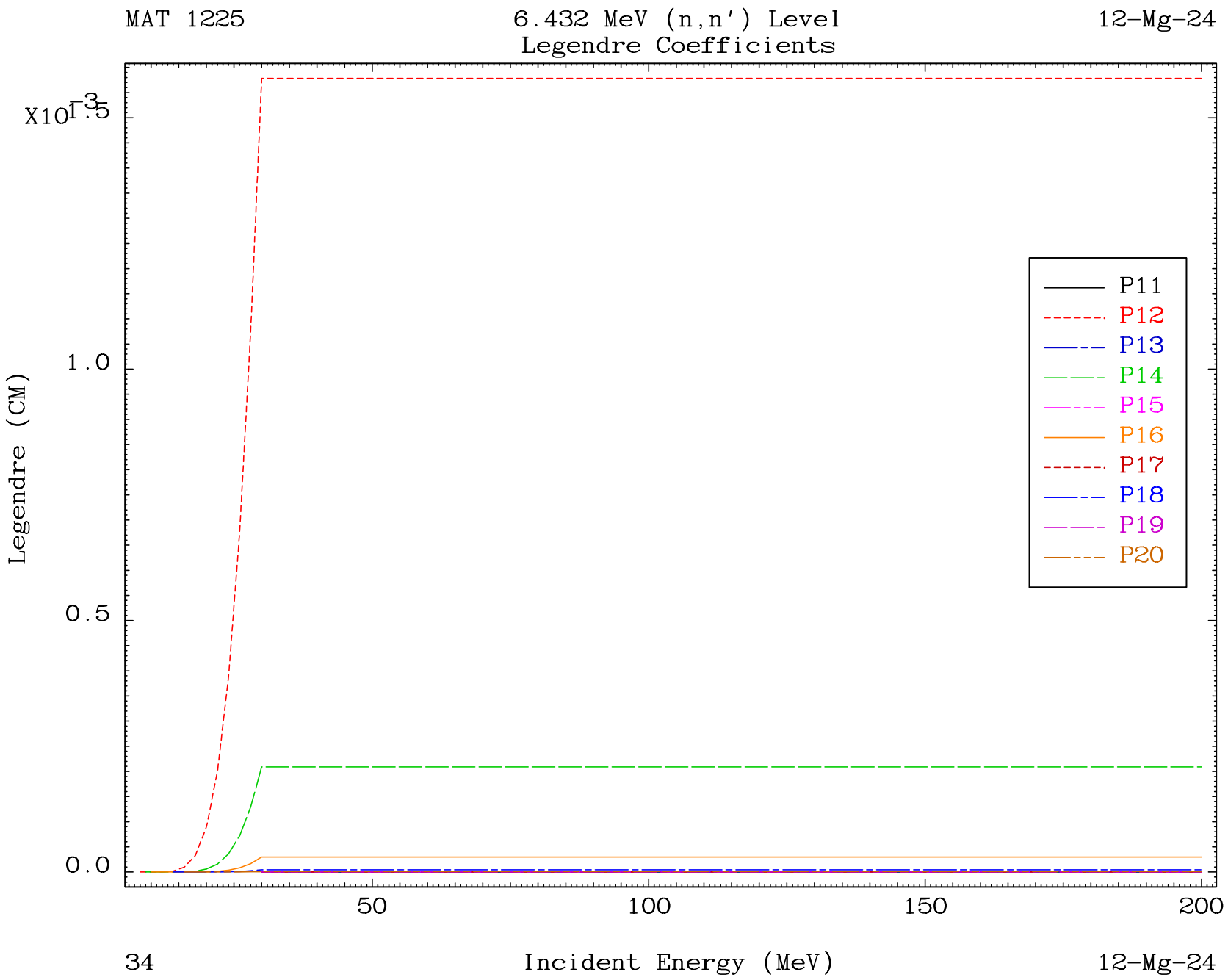

MAT 1225
5.235 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
3
2
1
0
Legendre (CM)
50
100
150
200
29
Incident Energy (MeV)
12-Mg-24
P19
P20
P21
P22
P23
P24
P25
P26

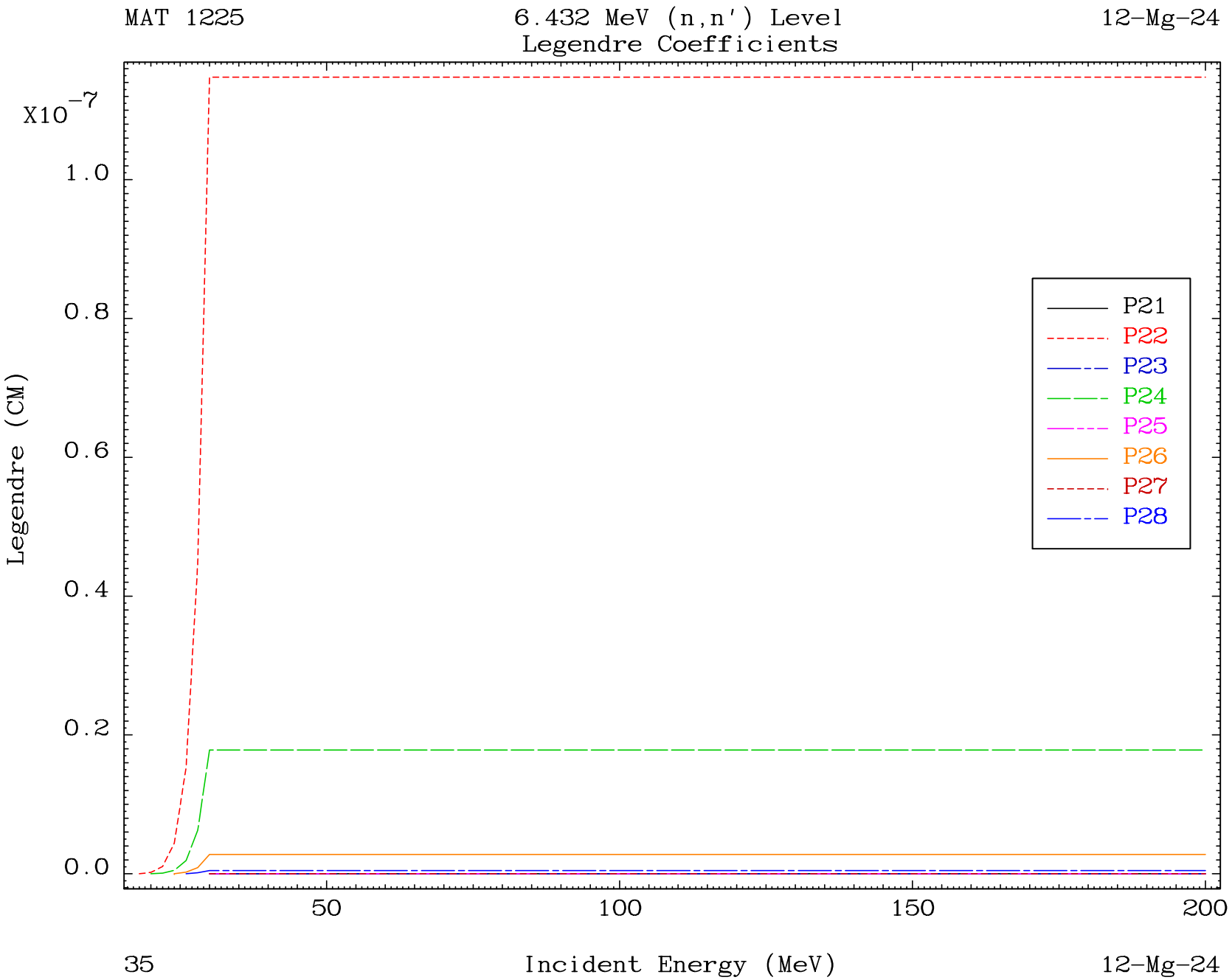

MAT 1225
6.011 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
30
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

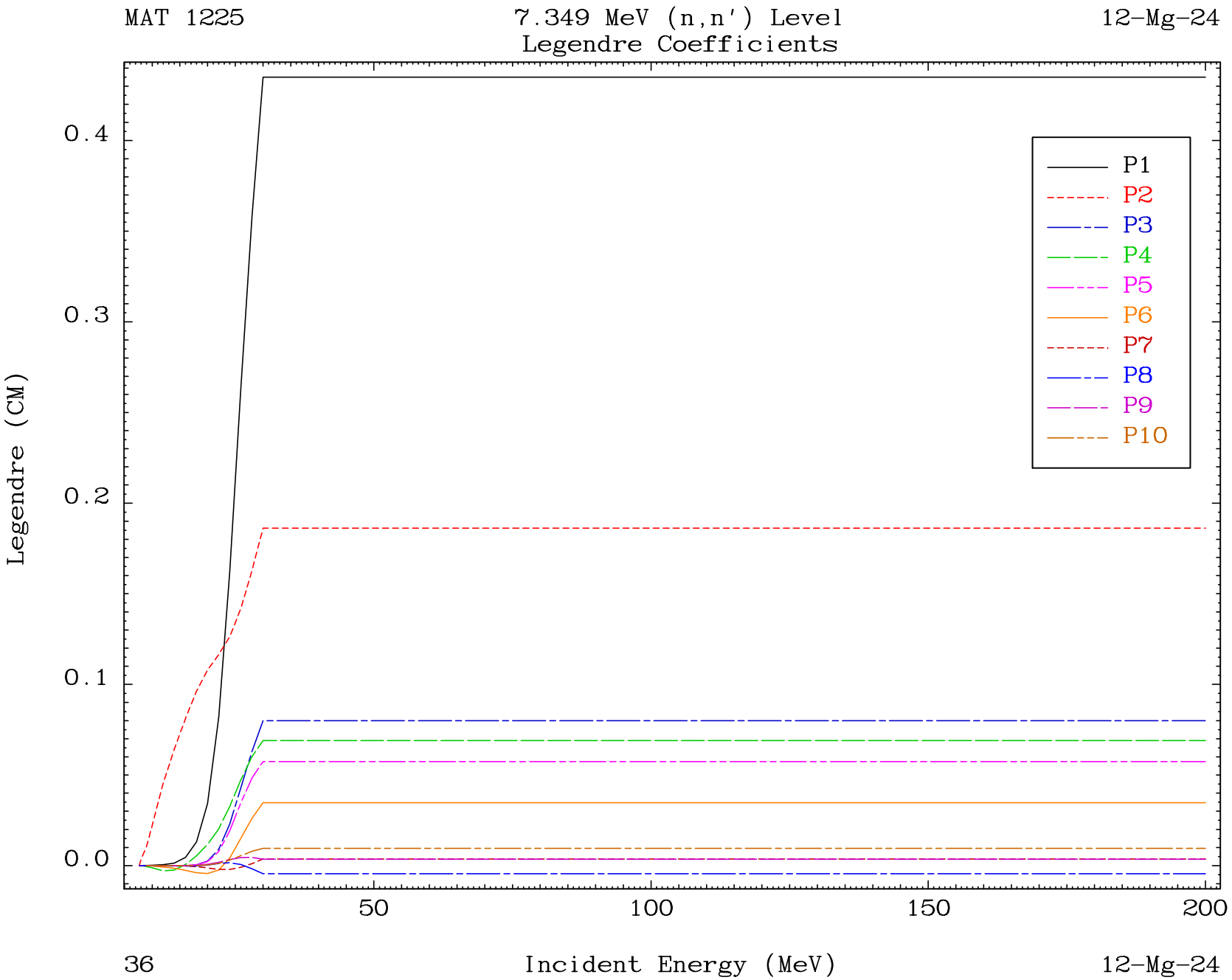

MAT 1225
6.011 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-3
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
31
Incident Energy (MeV)
12-Mg-24

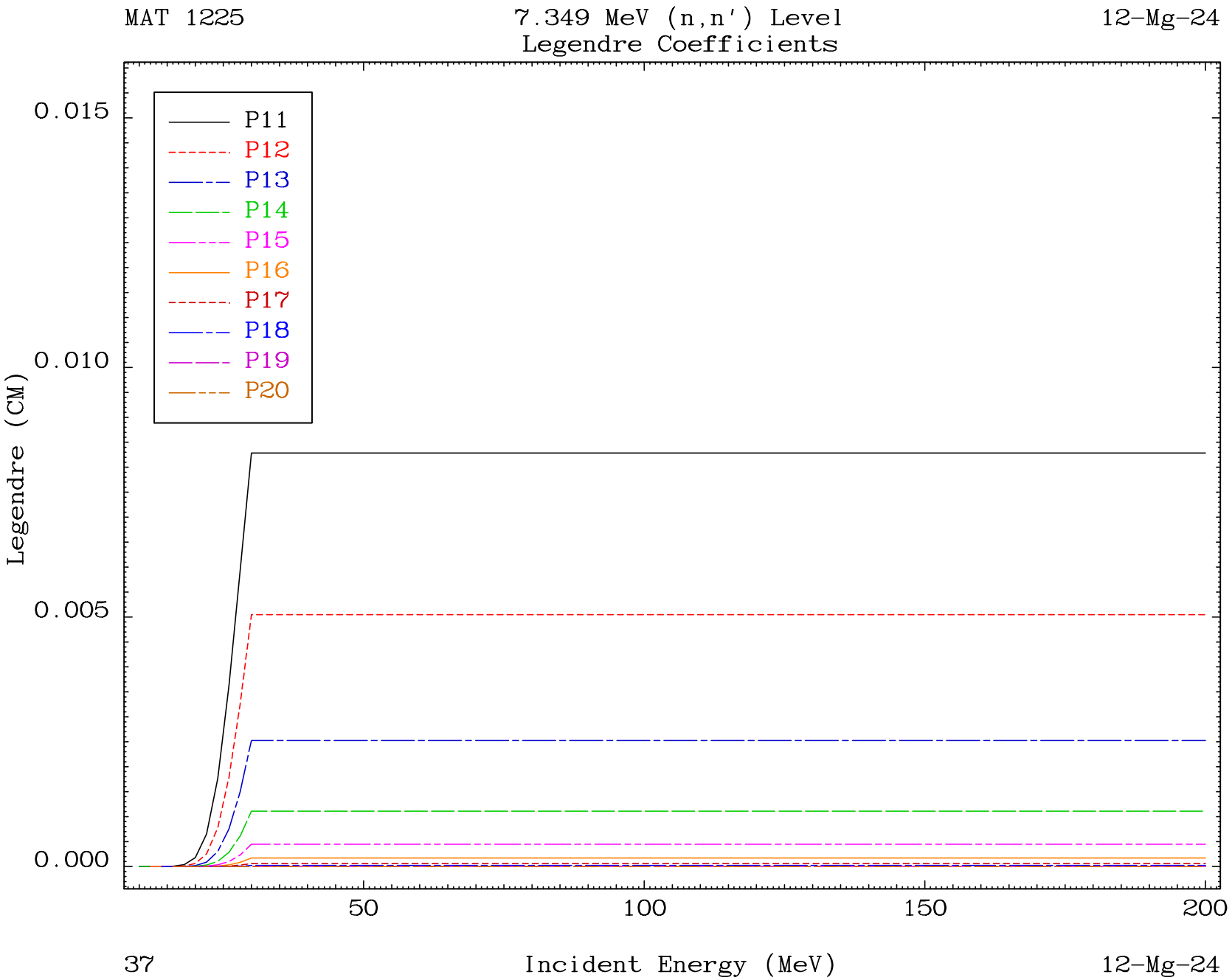

MAT 1225
6.011 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-7
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
32
Incident Energy (MeV)
12-Mg-24

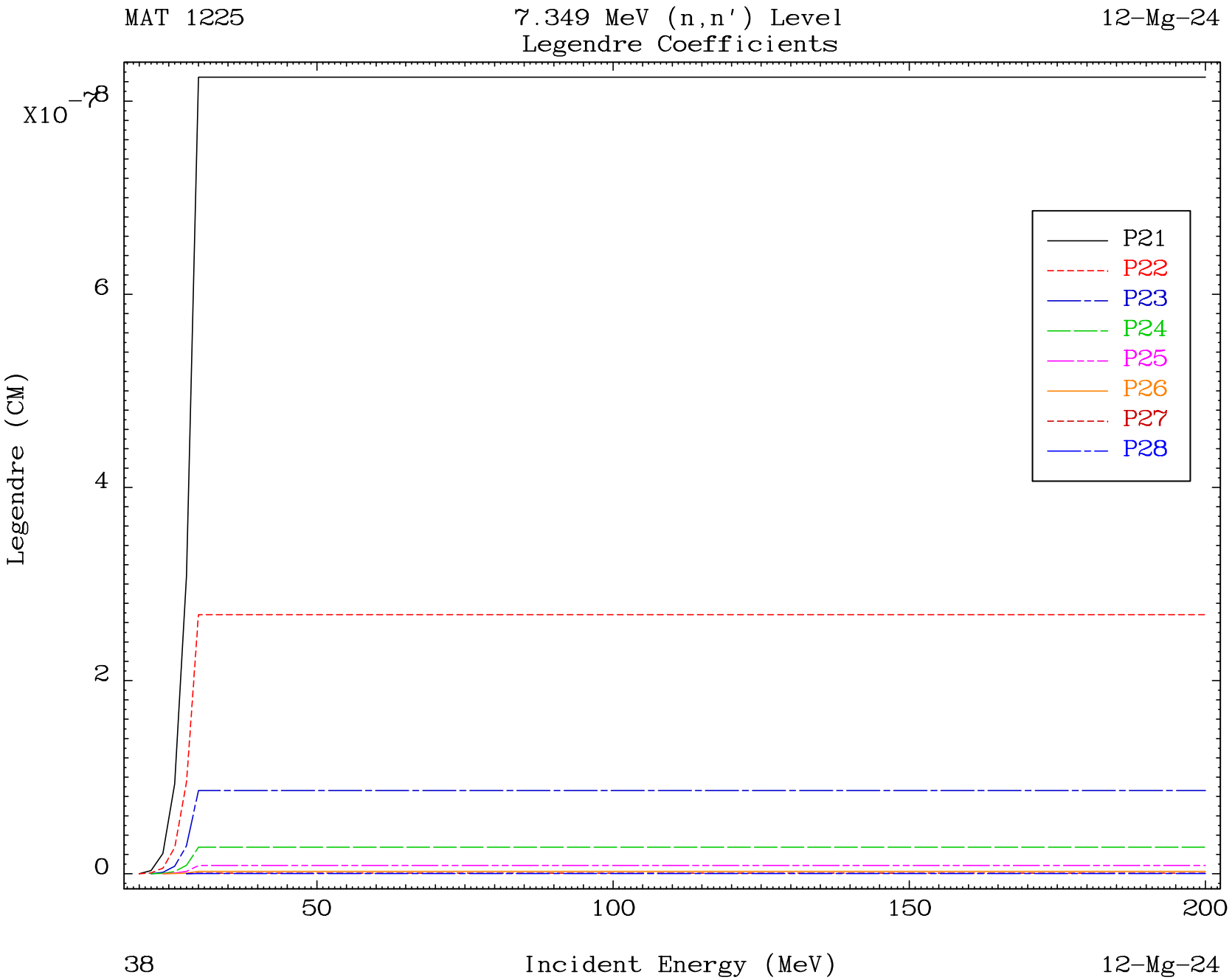

MAT 1225
6.432 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

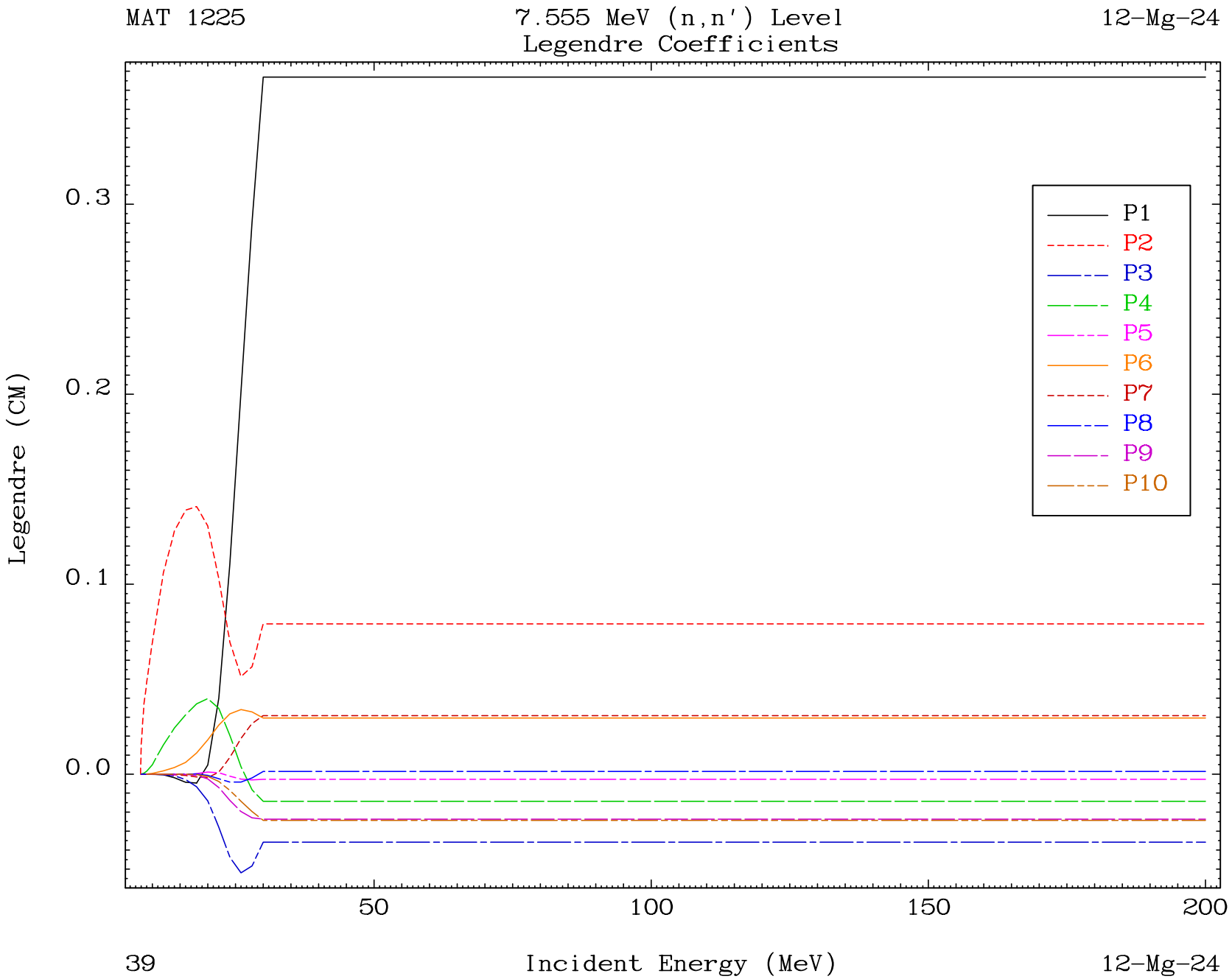

MAT 1225
6.432 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

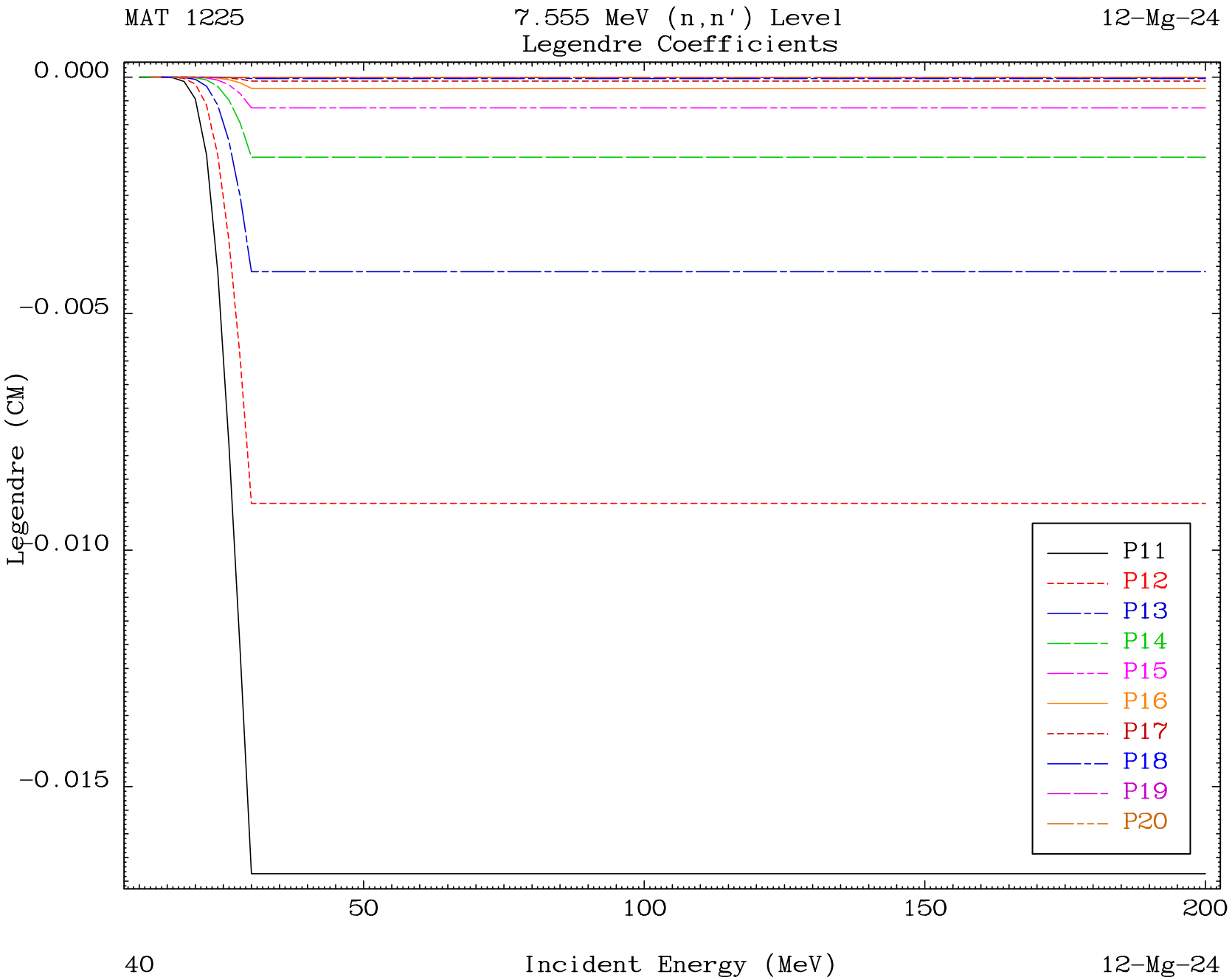

MAT 1225
6.432 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-7
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
35
Incident Energy (MeV)
12-Mg-24

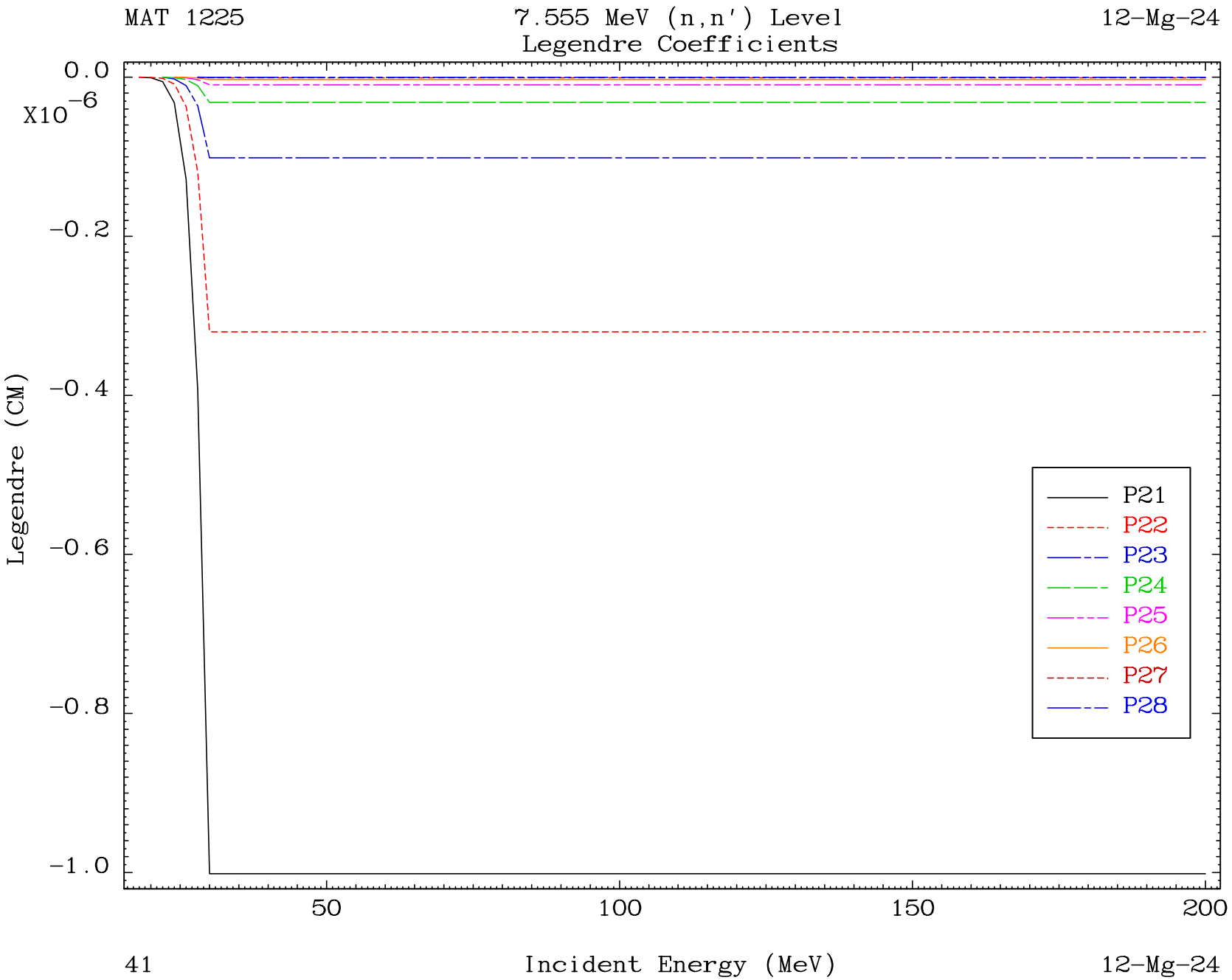

MAT 1225
7.349 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
36
Incident Energy (MeV)
12-Mg-24

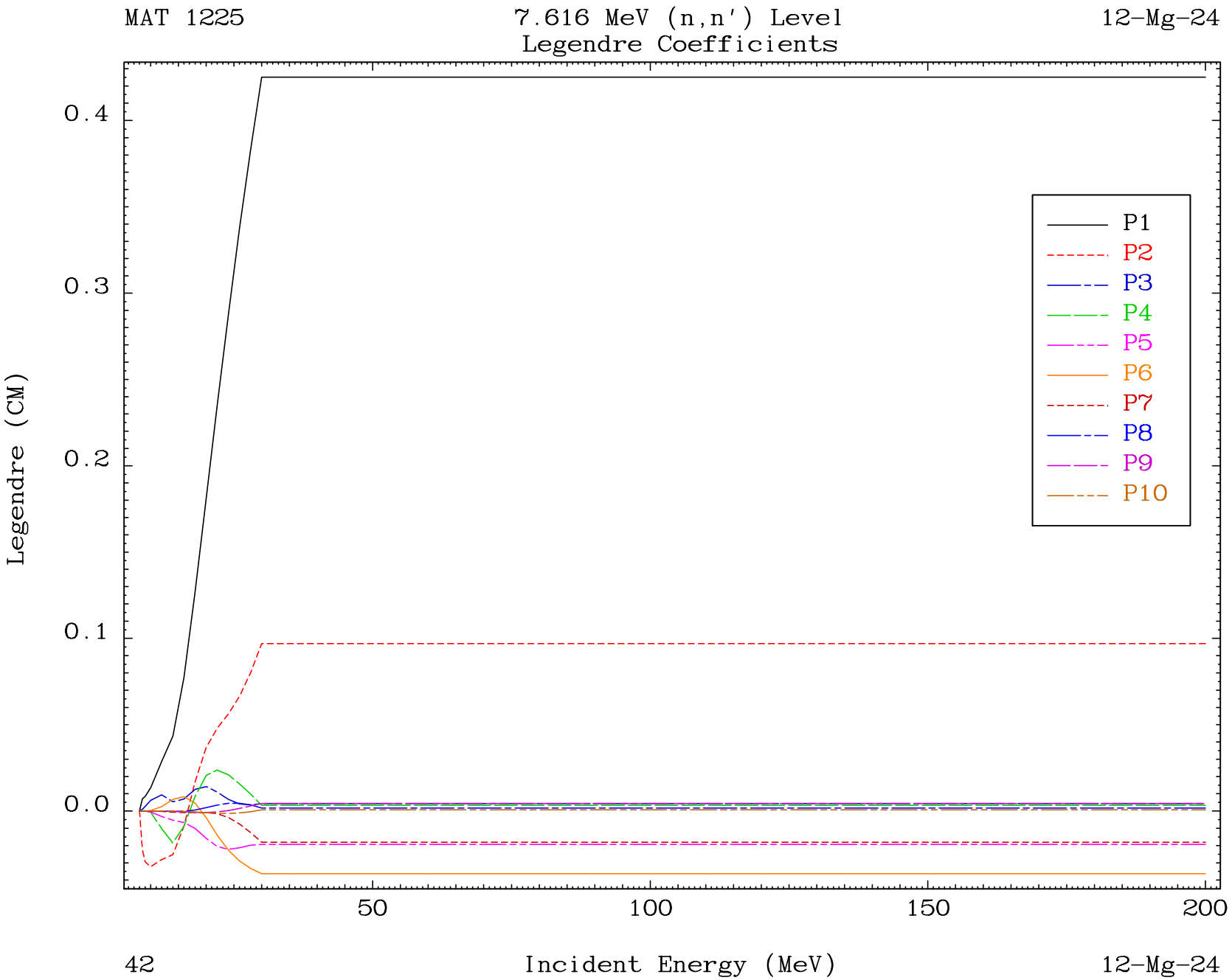

MAT 1225
7.349 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
12-Mg-24

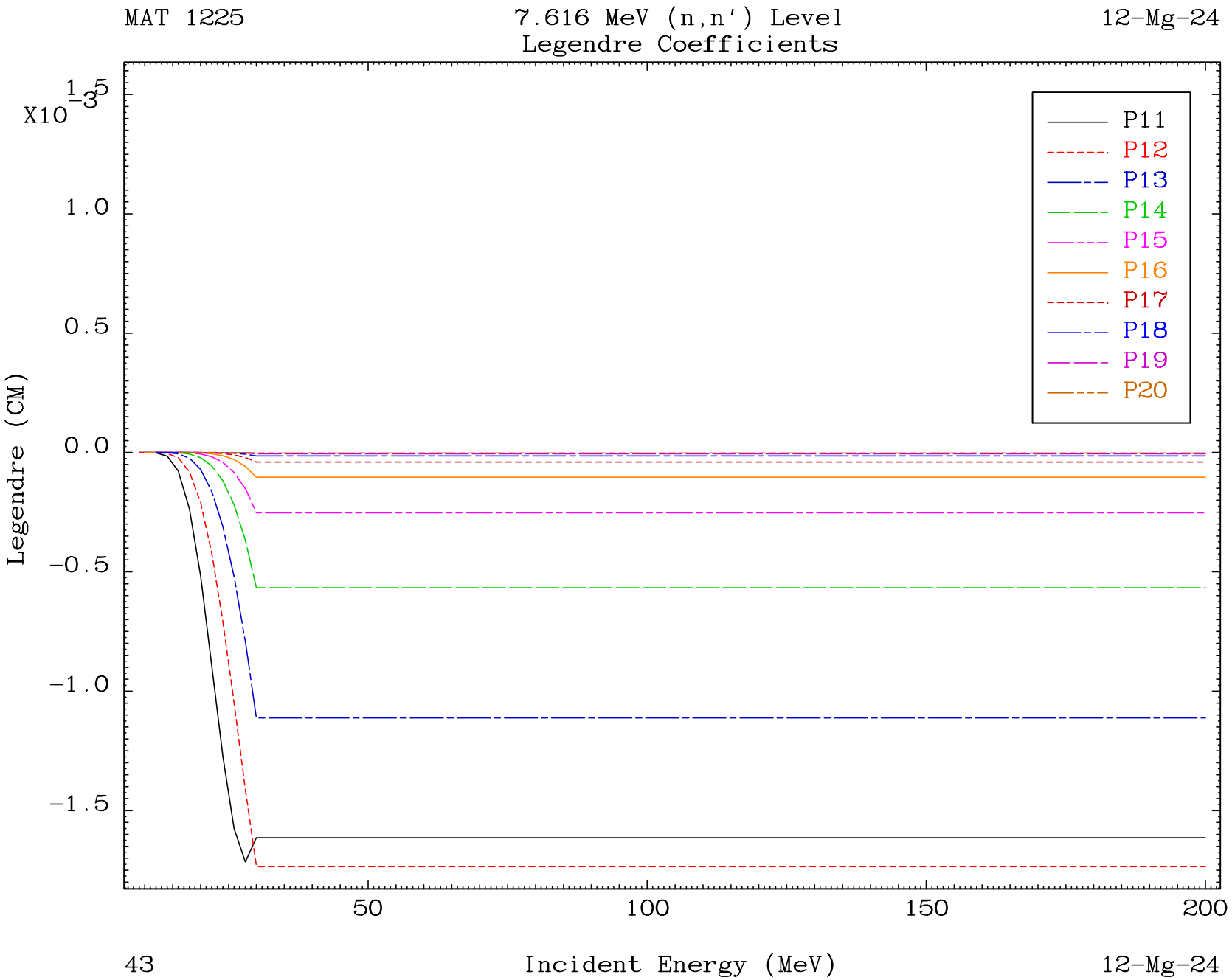

MAT 1225
7.349 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
38
Incident Energy (MeV)
12-Mg-24

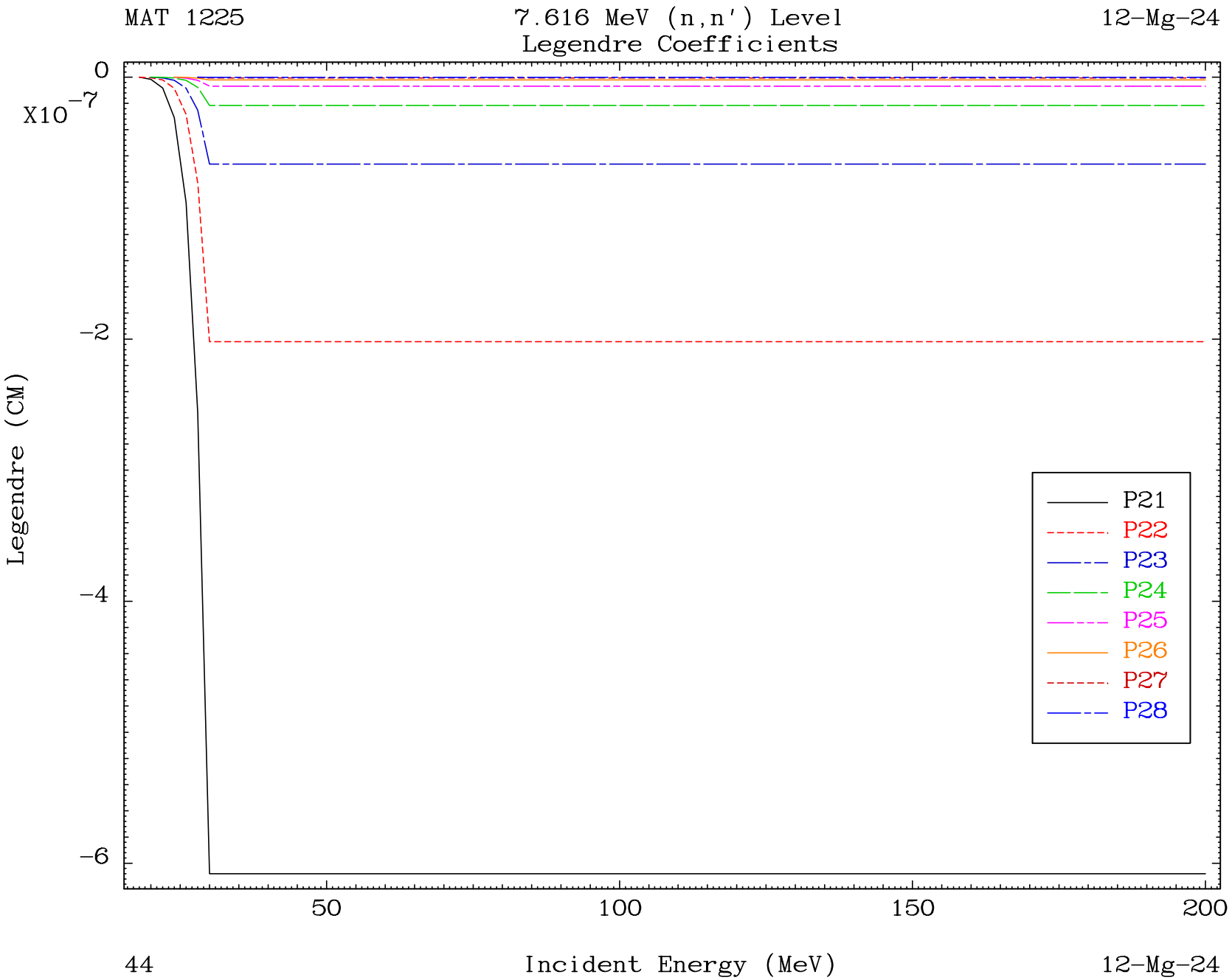

MAT 1225
7.555 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
39
Incident Energy (MeV)
12-Mg-24

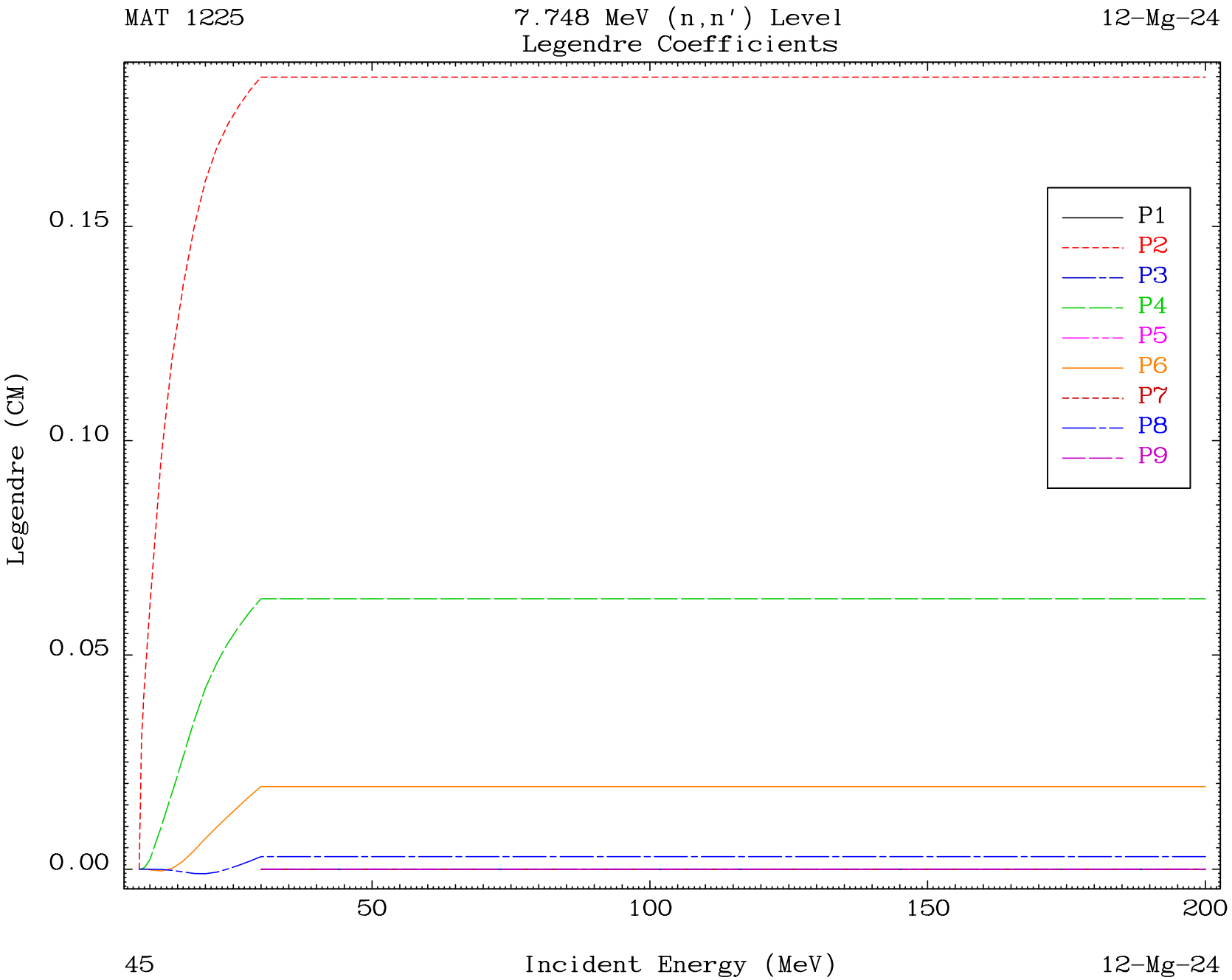

MAT 1225
7.555 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
40
Incident Energy (MeV)
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

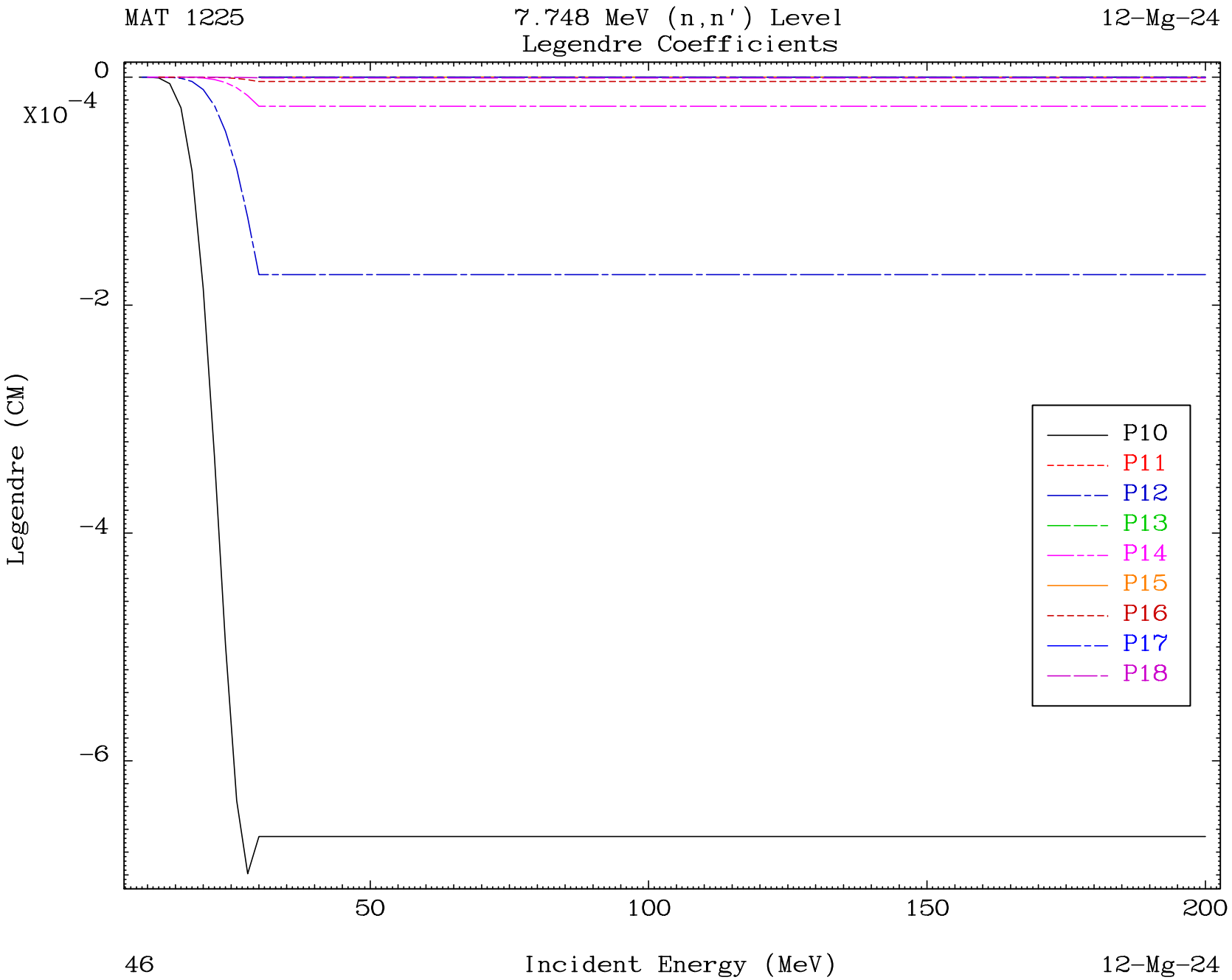

MAT 1225
7.555 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
41
12-Mg-24
P21
P22
P23
P24
P25
P26
P27
P28

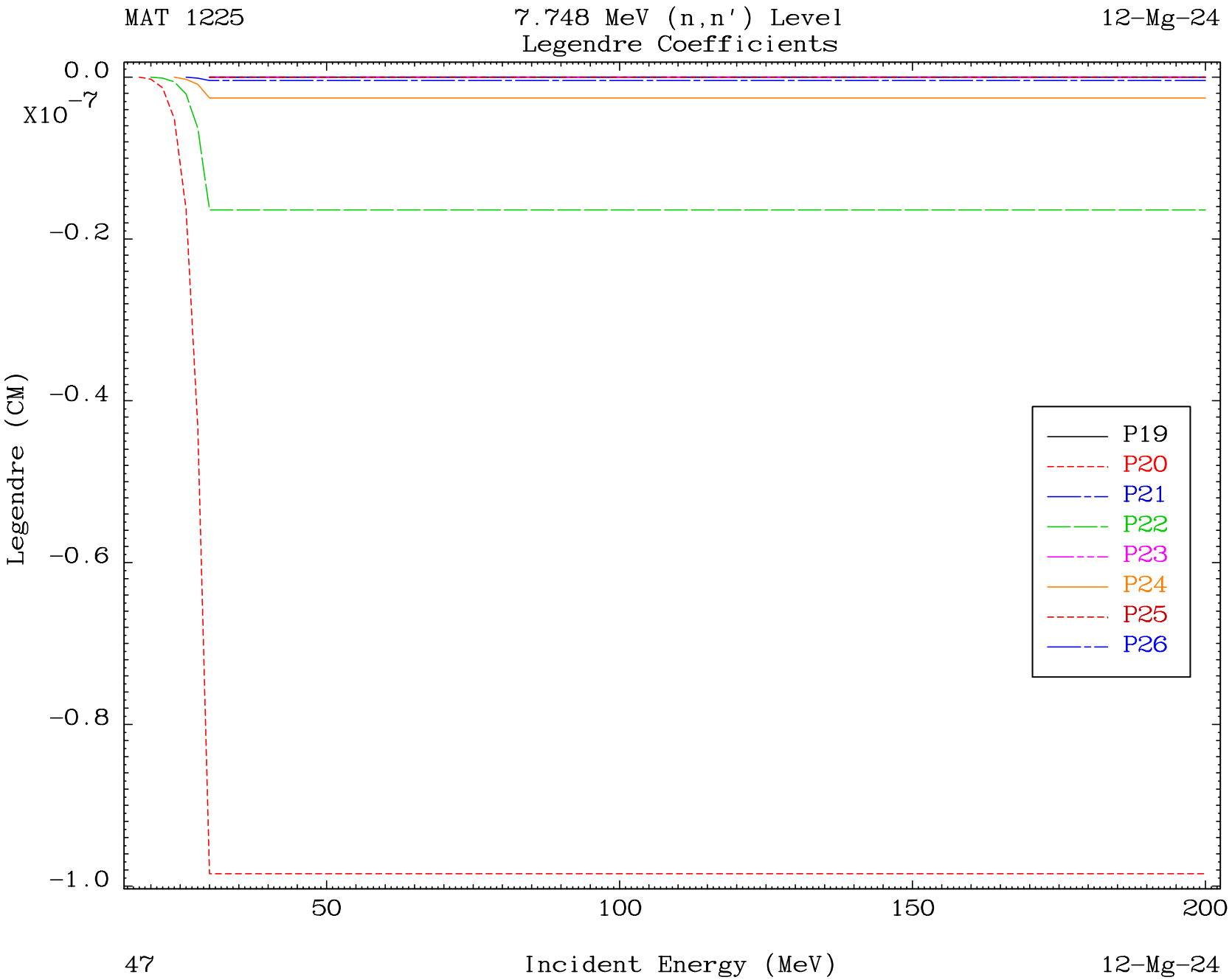

MAT 1225
7.616 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
42
Incident Energy (MeV)
12-Mg-24

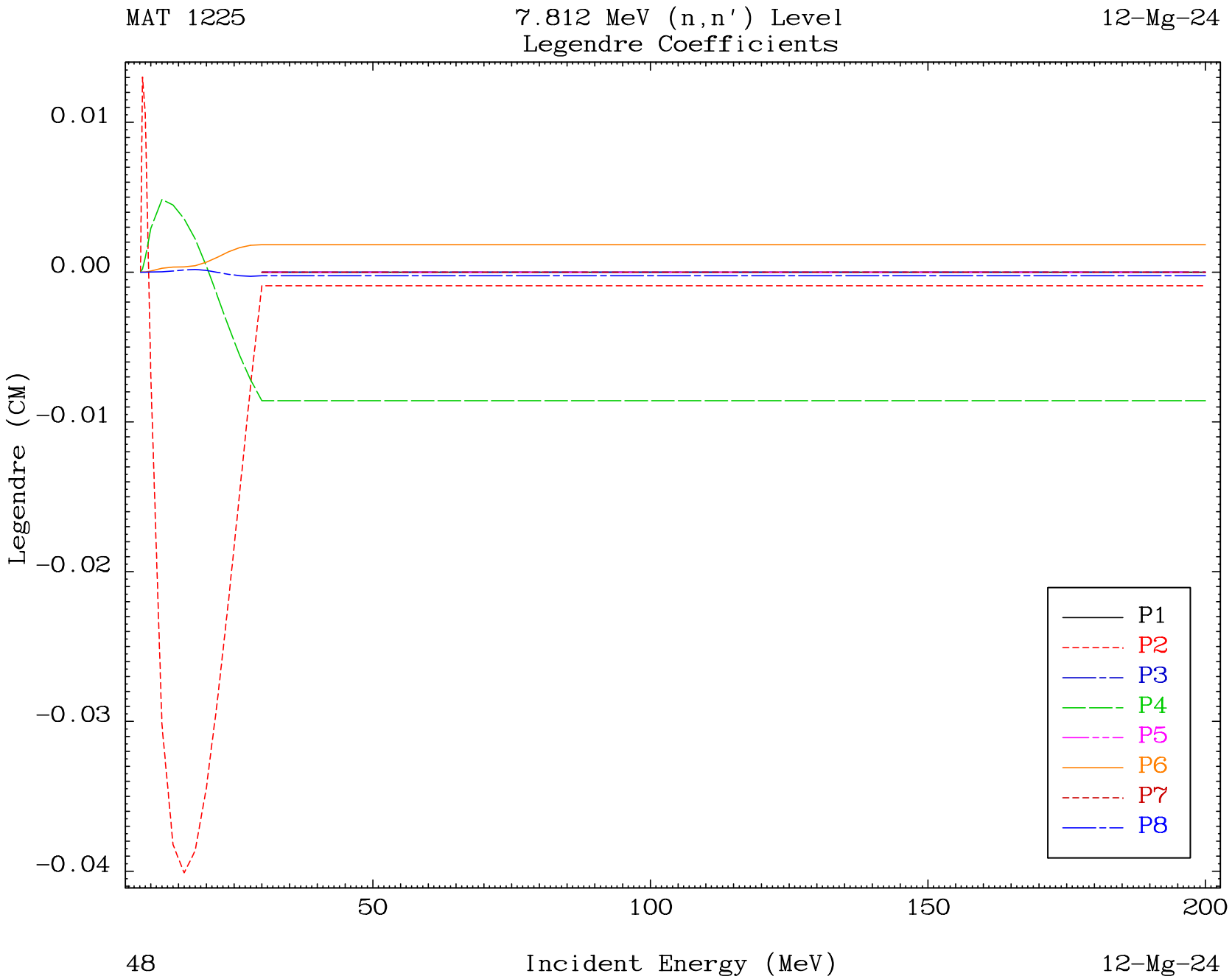

MAT 1225
7.616 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-3
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
43
Incident Energy (MeV)
12-Mg-24

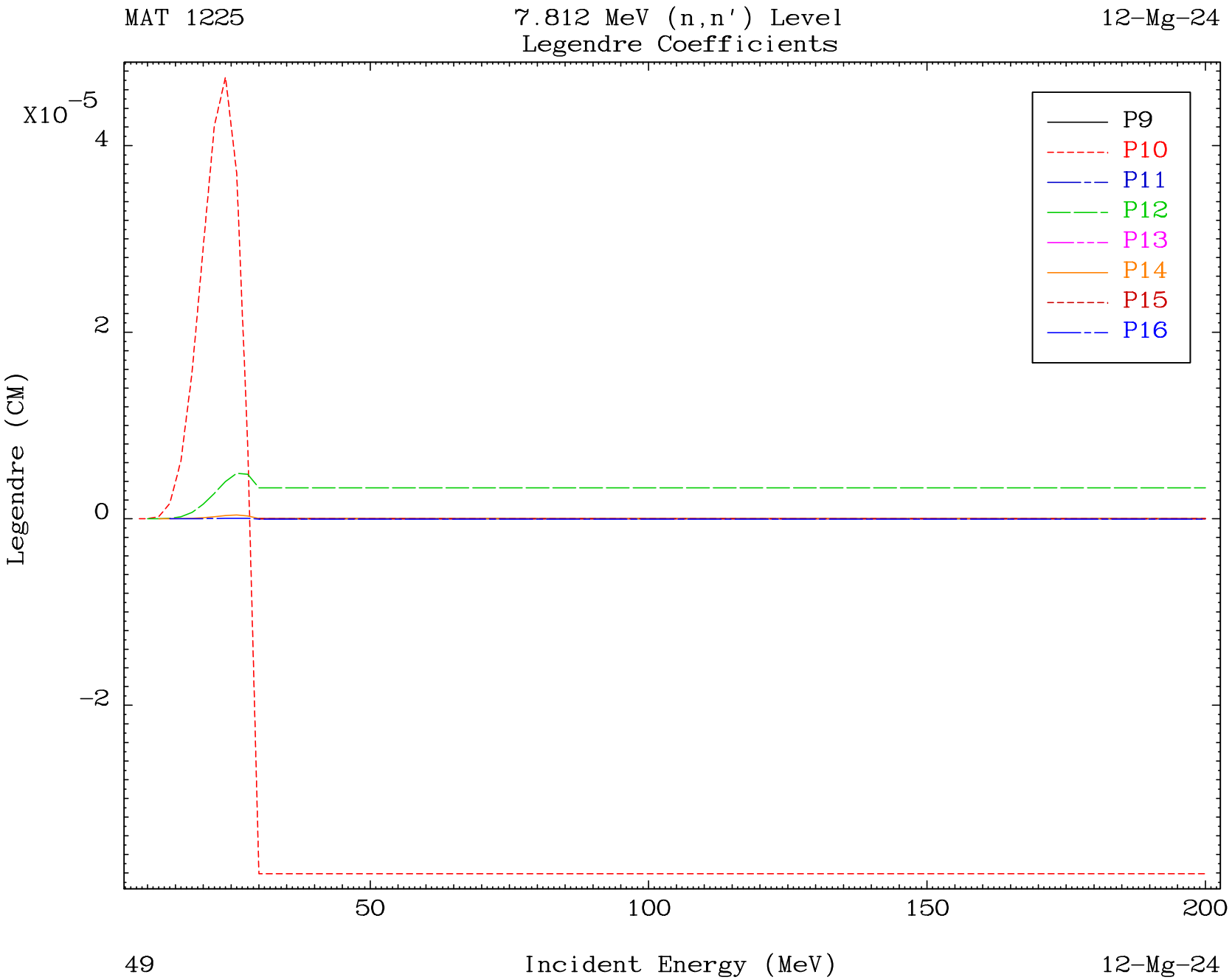

MAT 1225
7.616 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
44
Incident Energy (MeV)
12-Mg-24

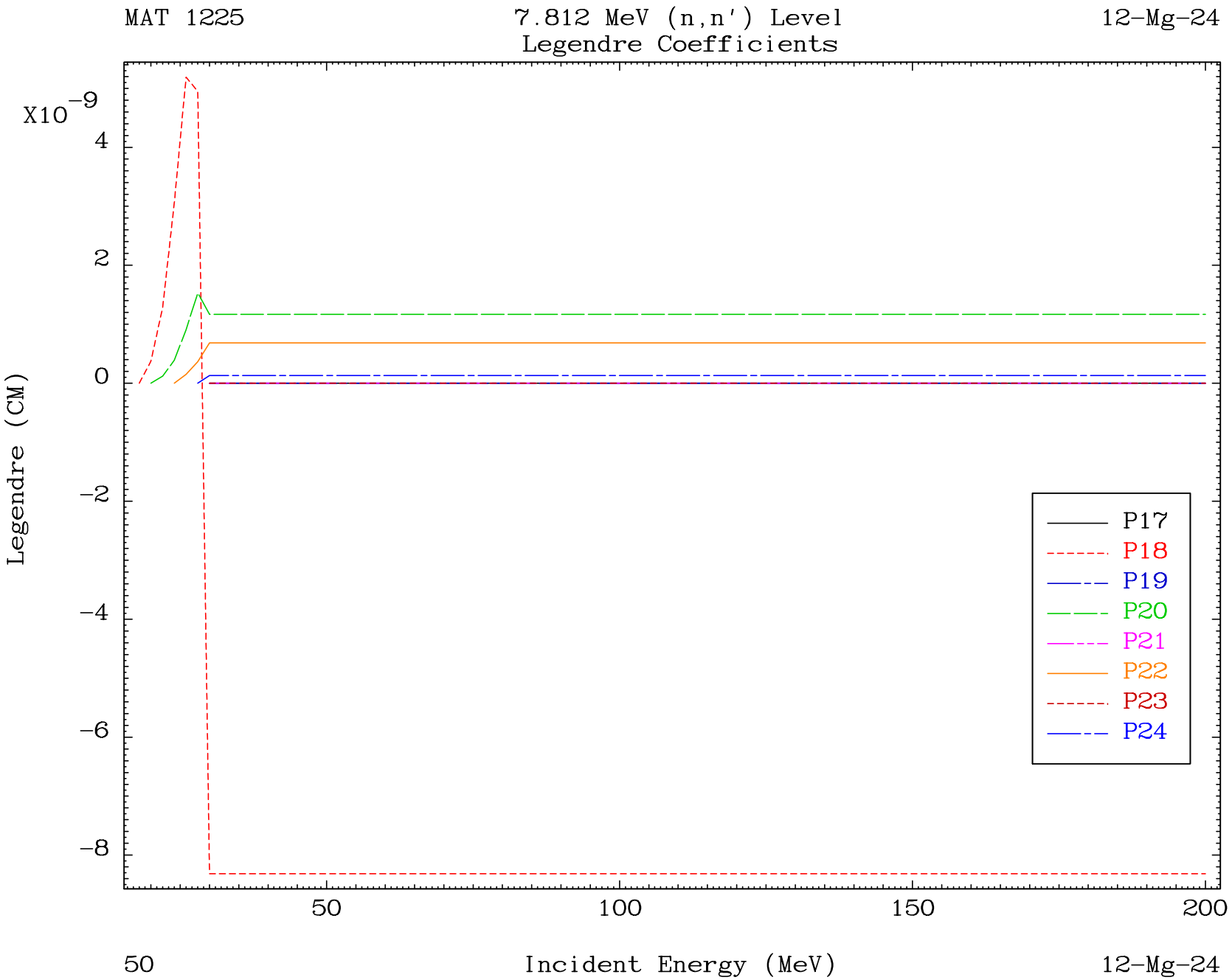

MAT 1225
7.748 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.15
0.10
0.05
0.00
50
100
150
200
45
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9

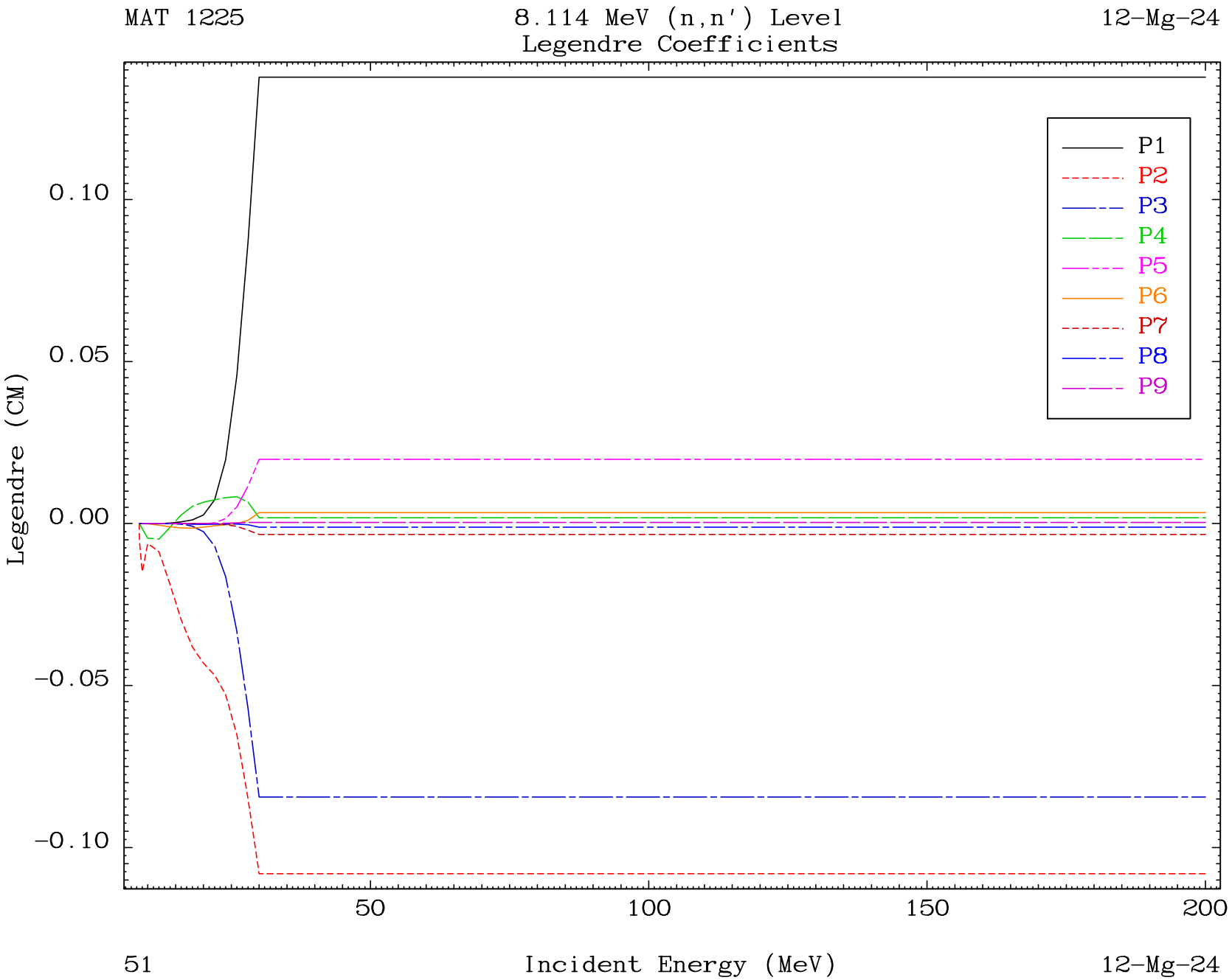

MAT 1225
7.748 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0
X10^-4
-2
-4
-6
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
46
Incident Energy (MeV)
12-Mg-24

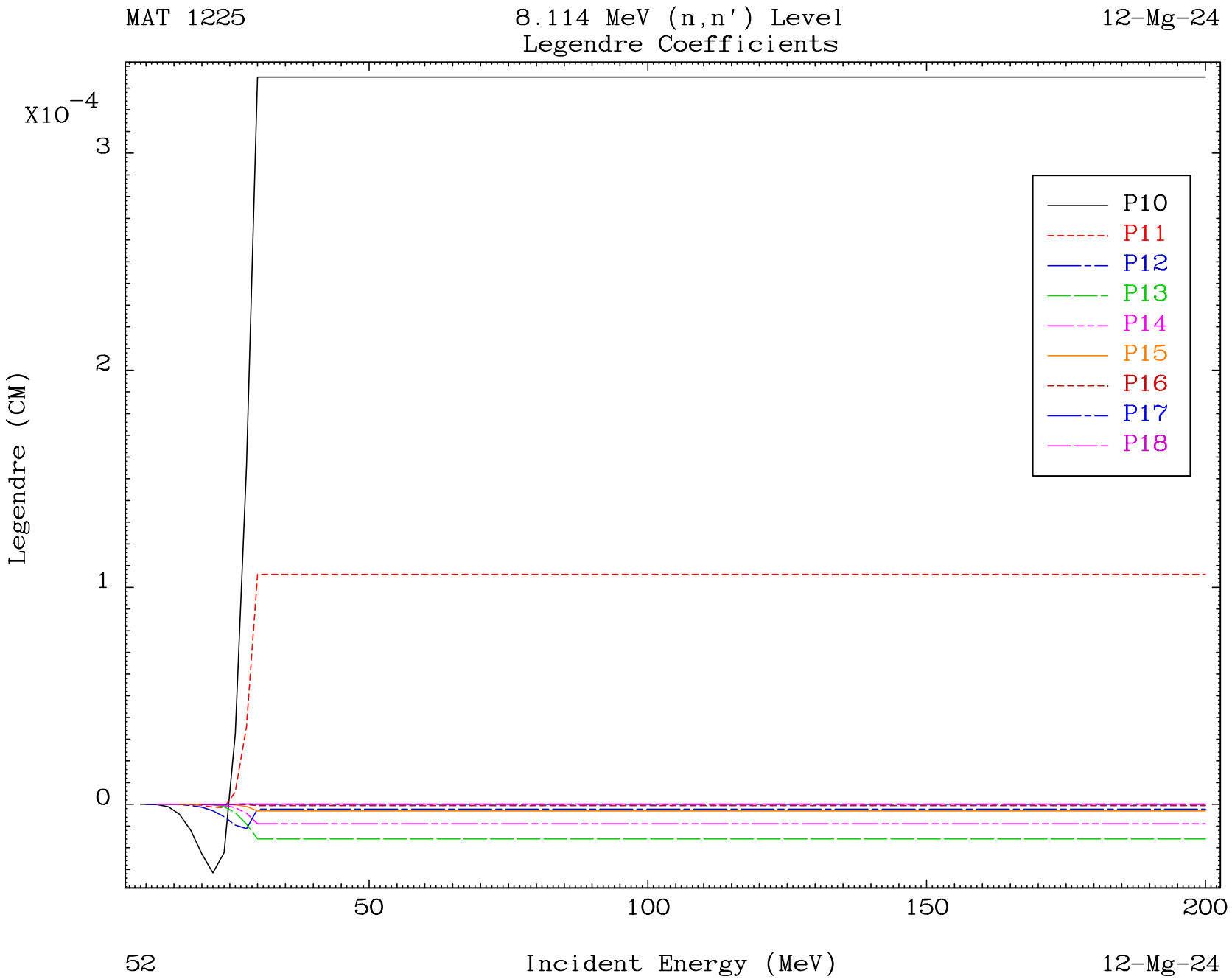

MAT 1225
7.748 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.0
X10-7
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
12-Mg-24
P19
P20
P21
P22
P23
P24
P25
P26

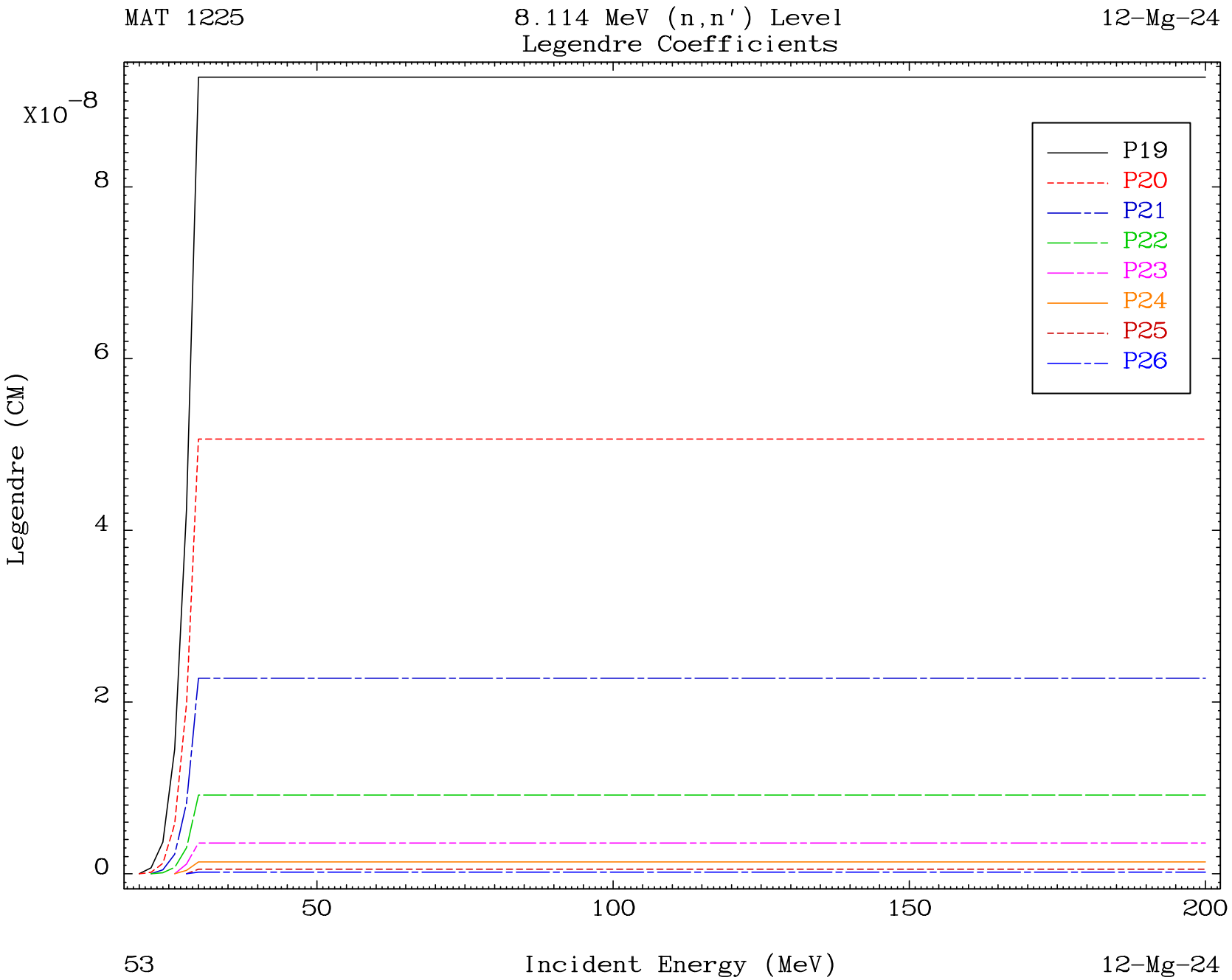

MAT 1225
7.812 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.01
0.00
-0.01
-0.02
-0.03
-0.04
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8

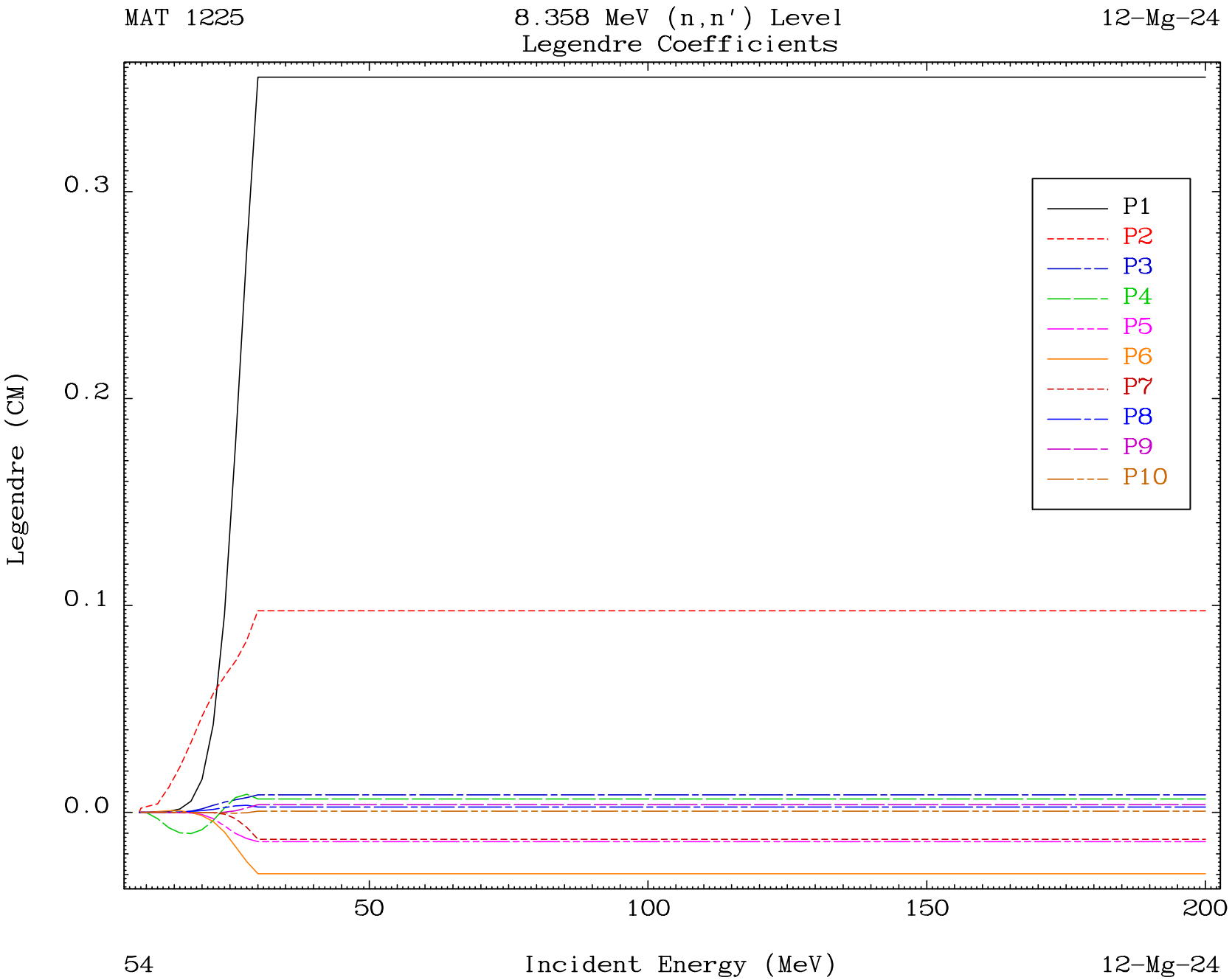

MAT 1225
7.812 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10 -5
4
2
0
-2
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
49
Incident Energy (MeV)
12-Mg-24

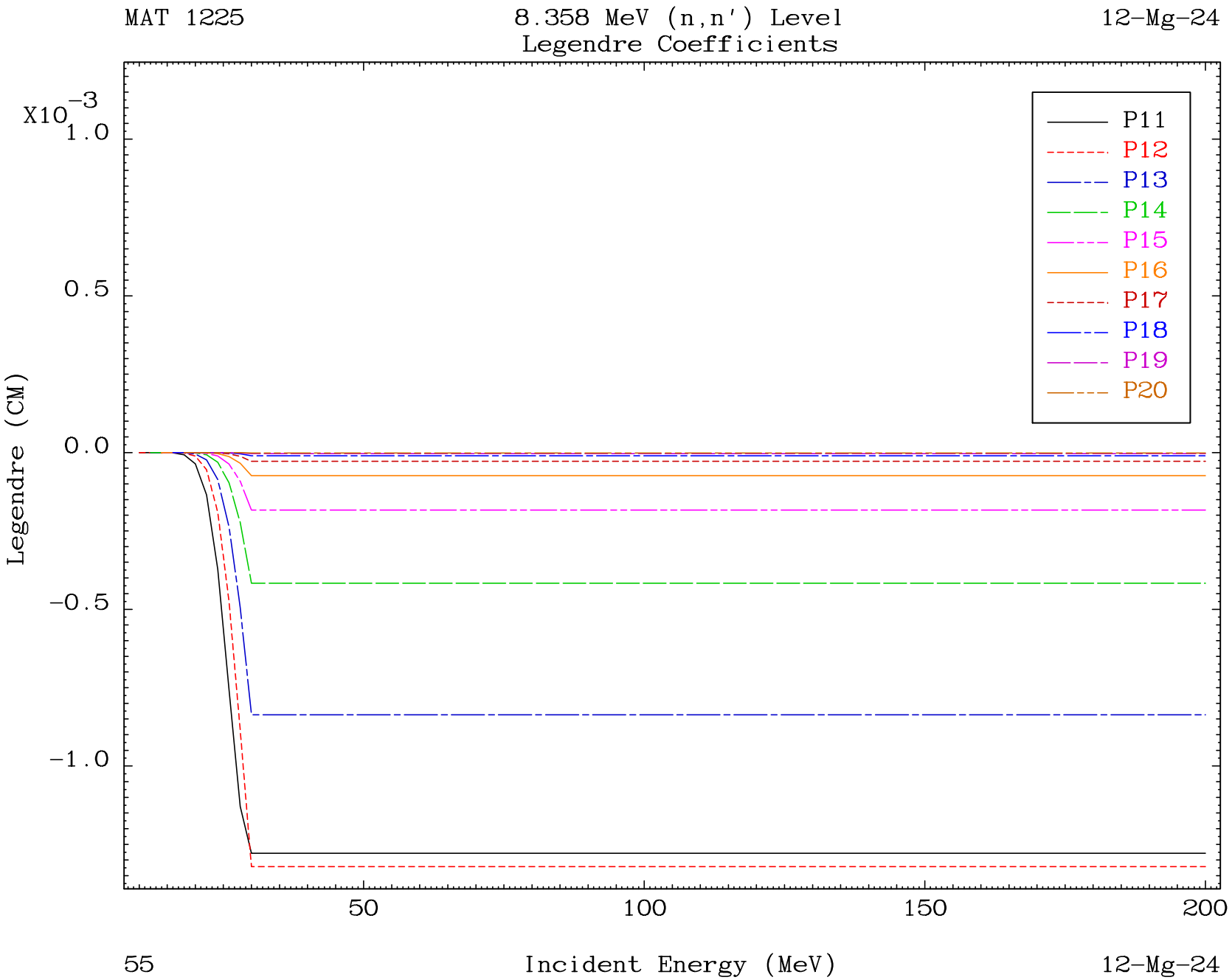

MAT 1225
7.812 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10 -9
4
2
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
12-Mg-24
P17
P18
P19
P20
P21
P22
P23
P24

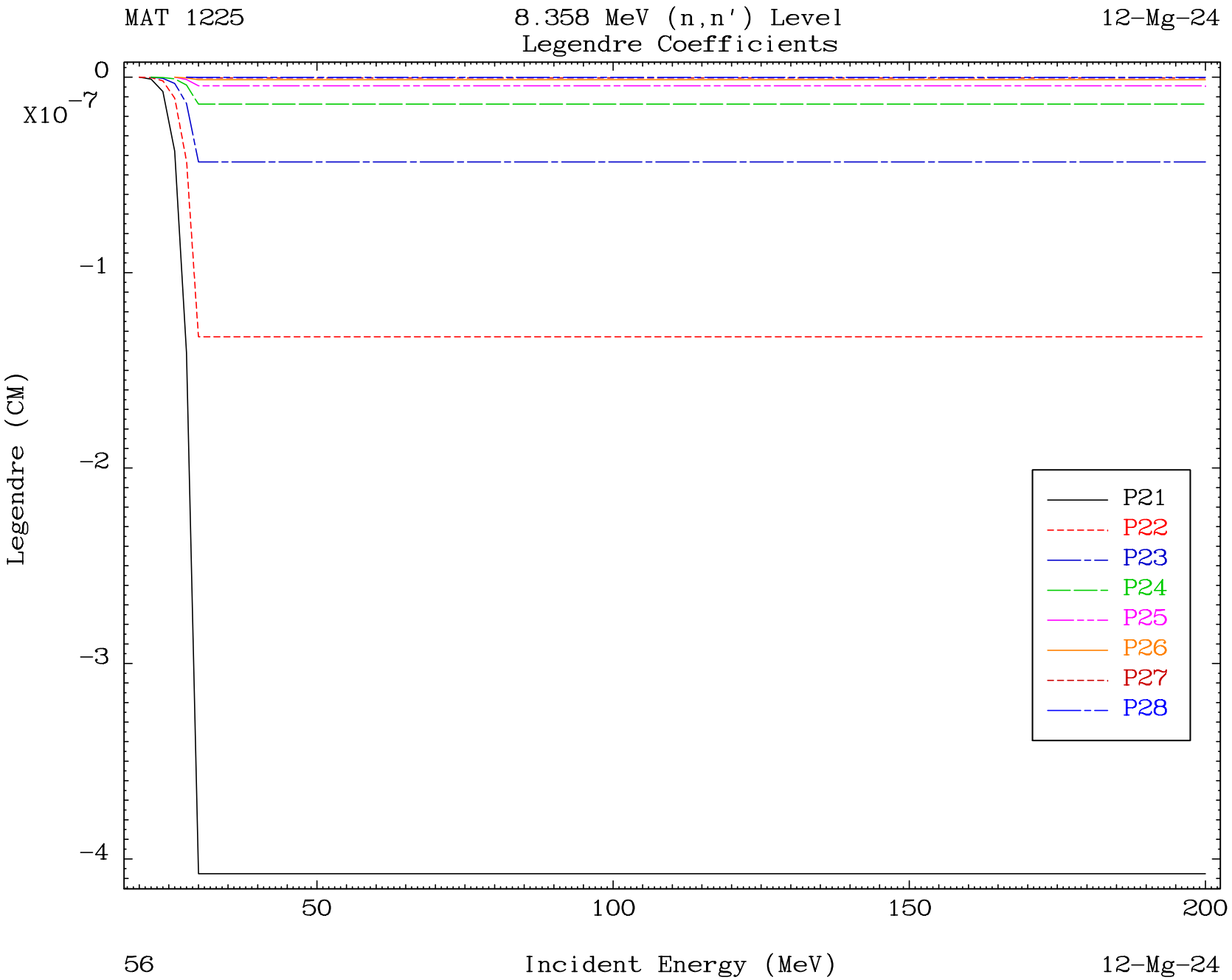

MAT 1225
8.114 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.10
0.05
0.00
-0.05
-0.10
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
12-Mg-24

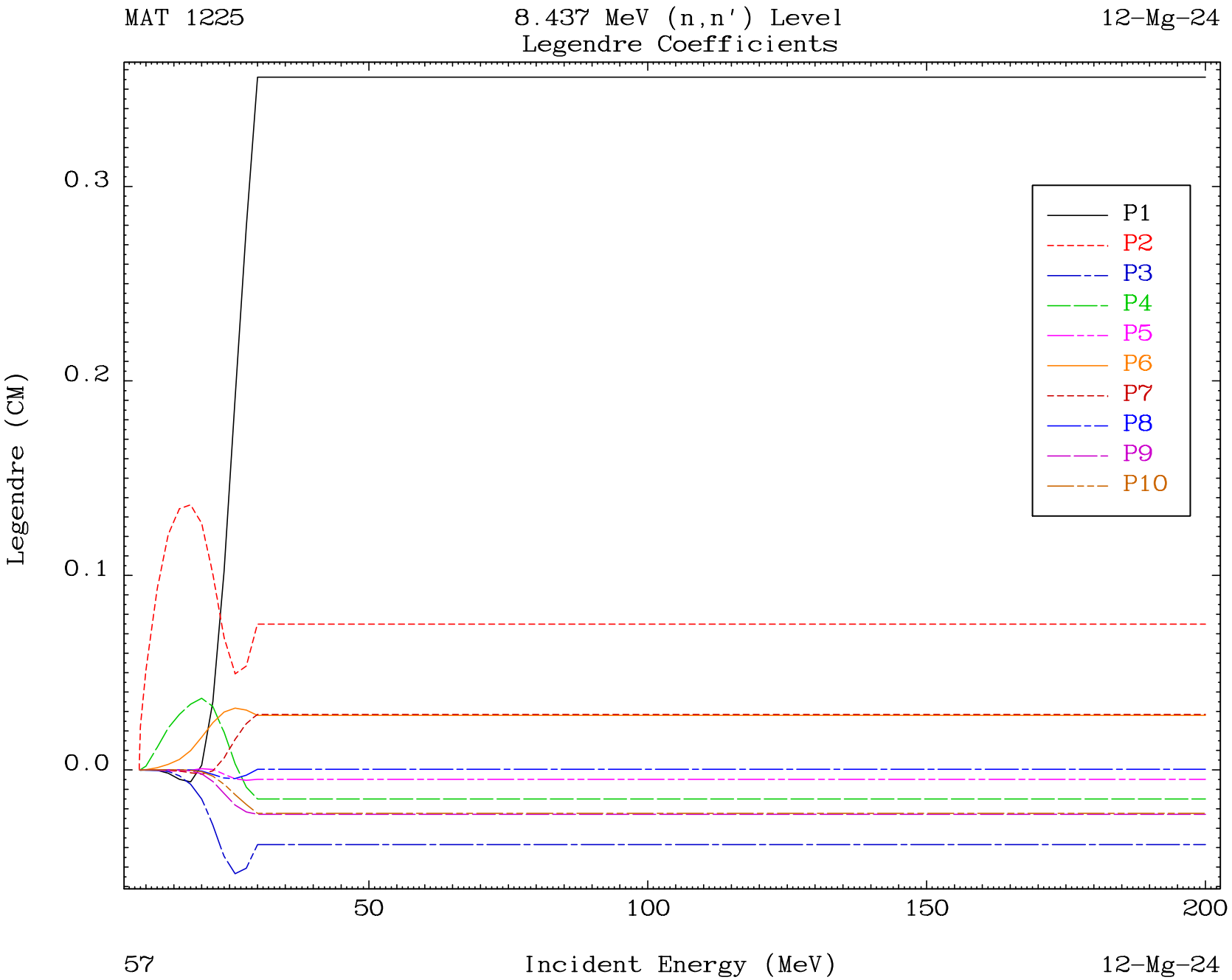

MAT 1225
8.114 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
52
Incident Energy (MeV)
12-Mg-24

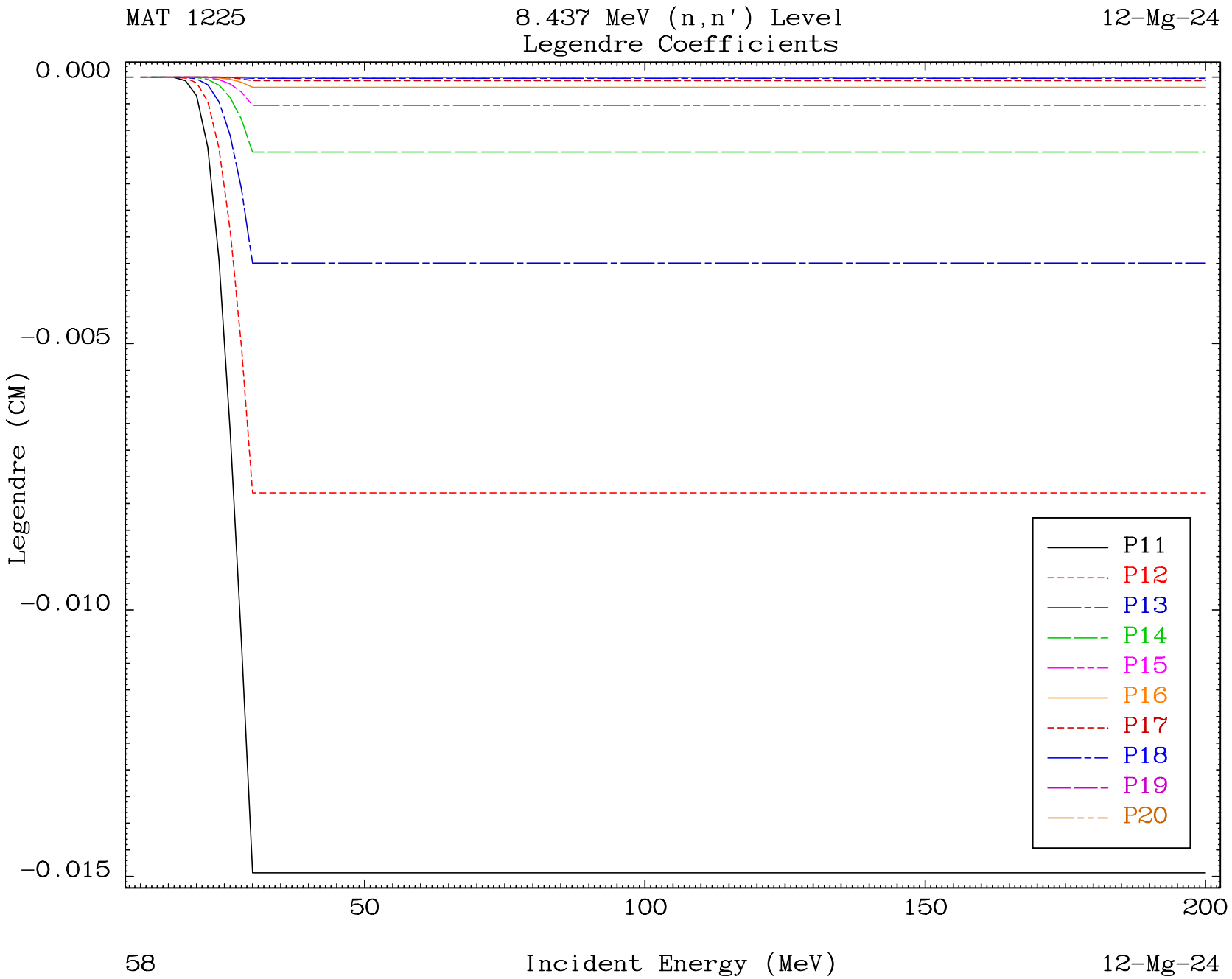

MAT 1225
8.114 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
53
Incident Energy (MeV)
12-Mg-24

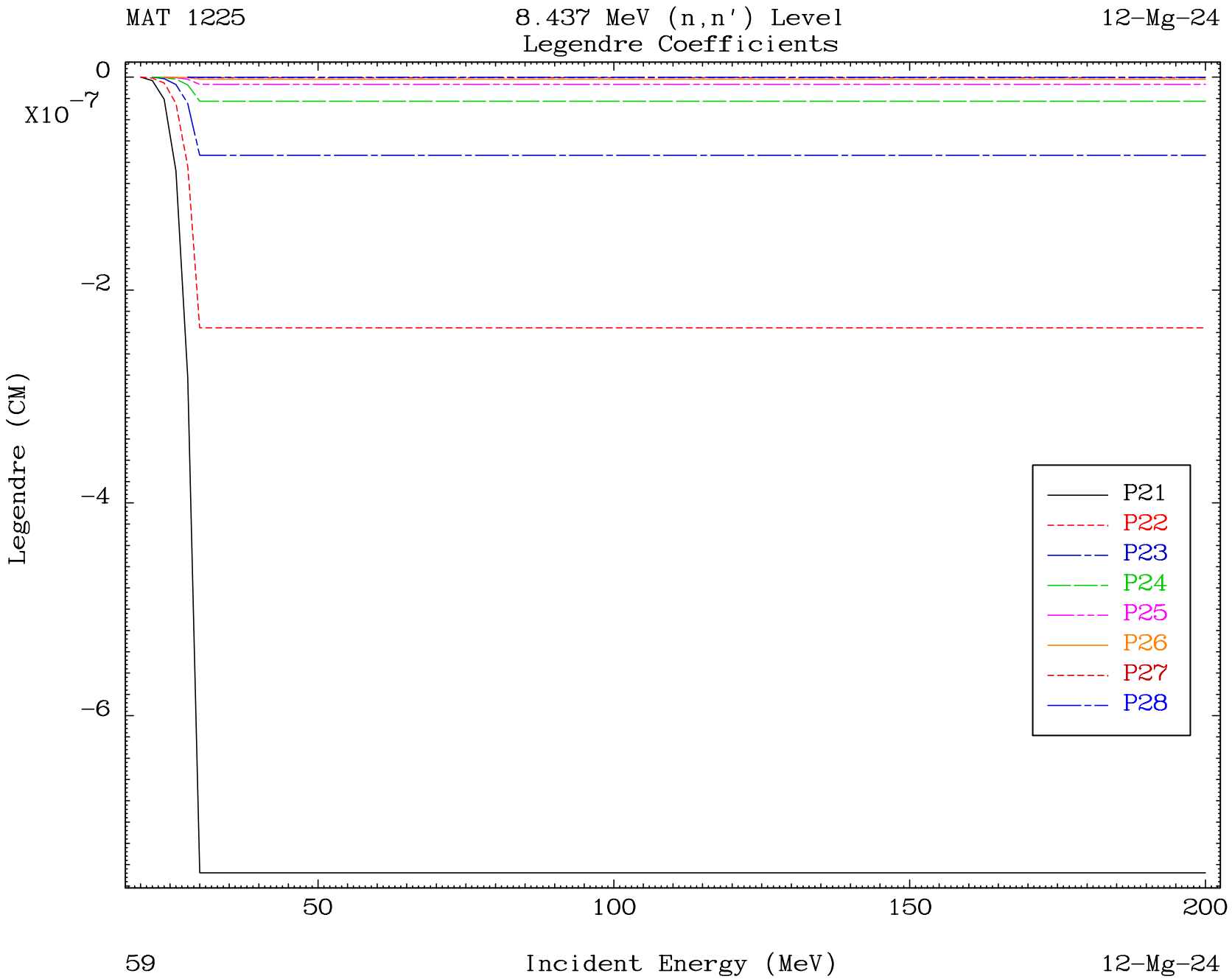

MAT 1225
8.358 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
Incident Energy (MeV)
54
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

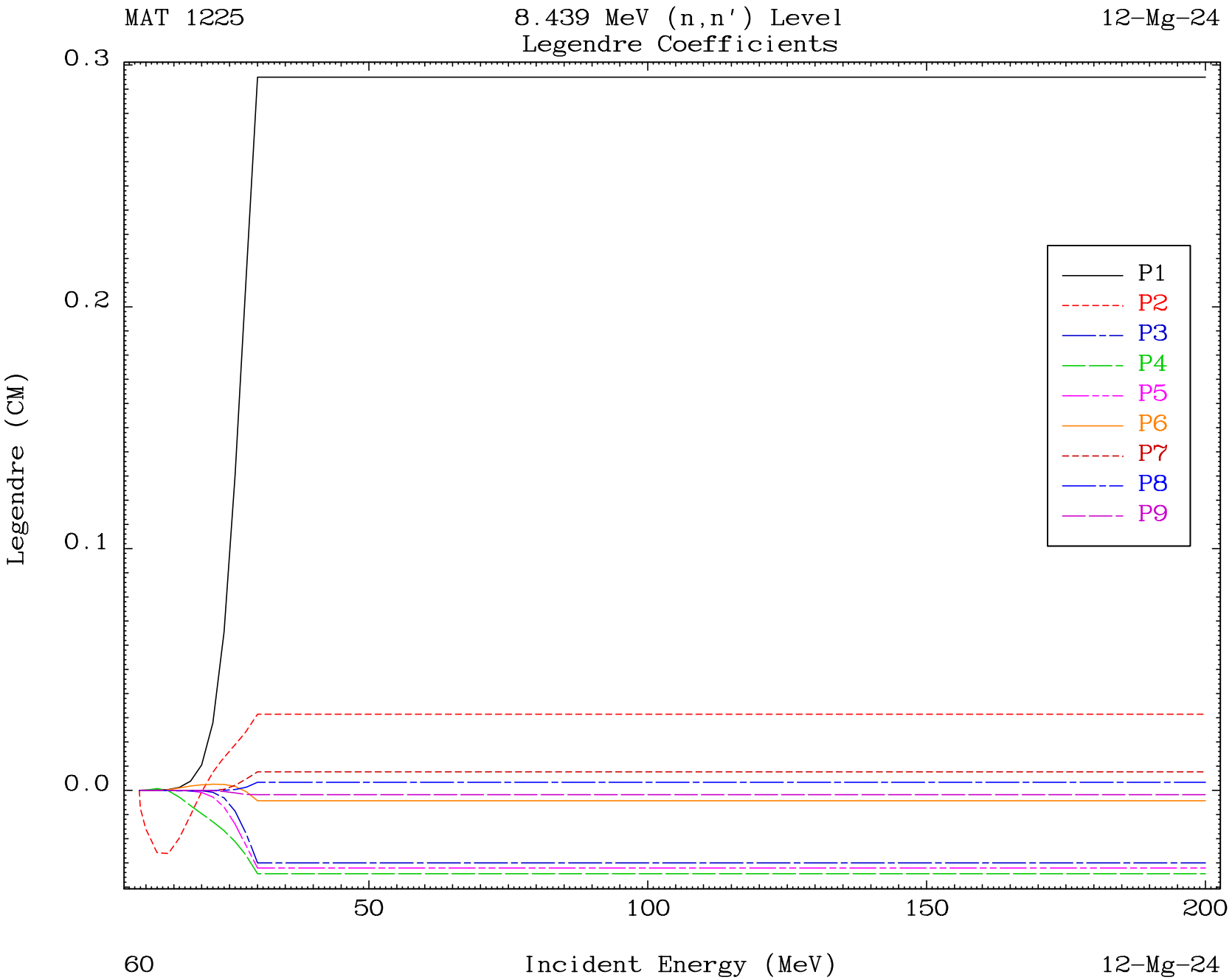

MAT 1225
8.358 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-3
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
55
Incident Energy (MeV)
12-Mg-24

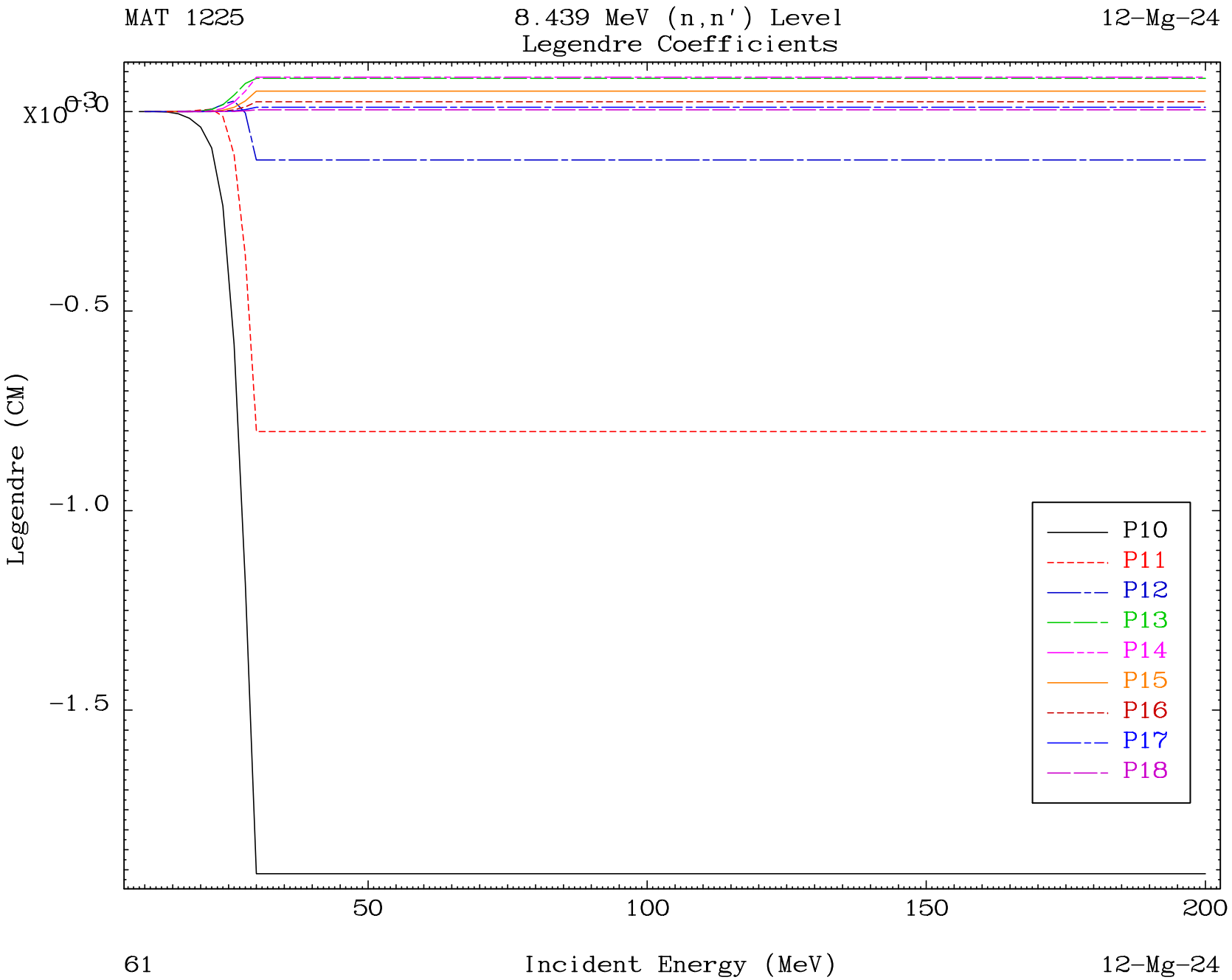

MAT 1225
8.358 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0
X10-7
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
12-Mg-24
P21
P22
P23
P24
P25
P26
P27
P28

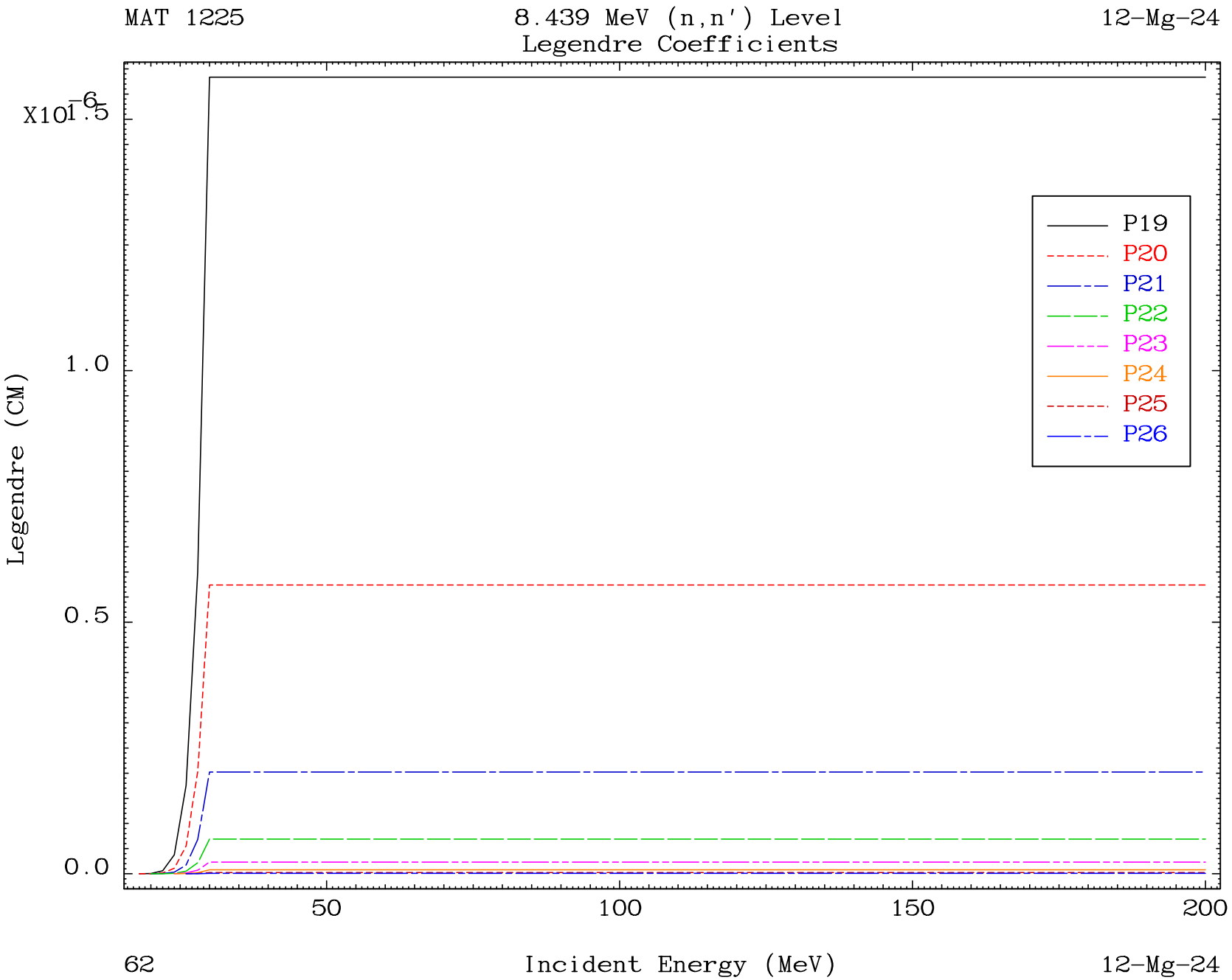

MAT 1225
8.437 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
57
Incident Energy (MeV)
12-Mg-24

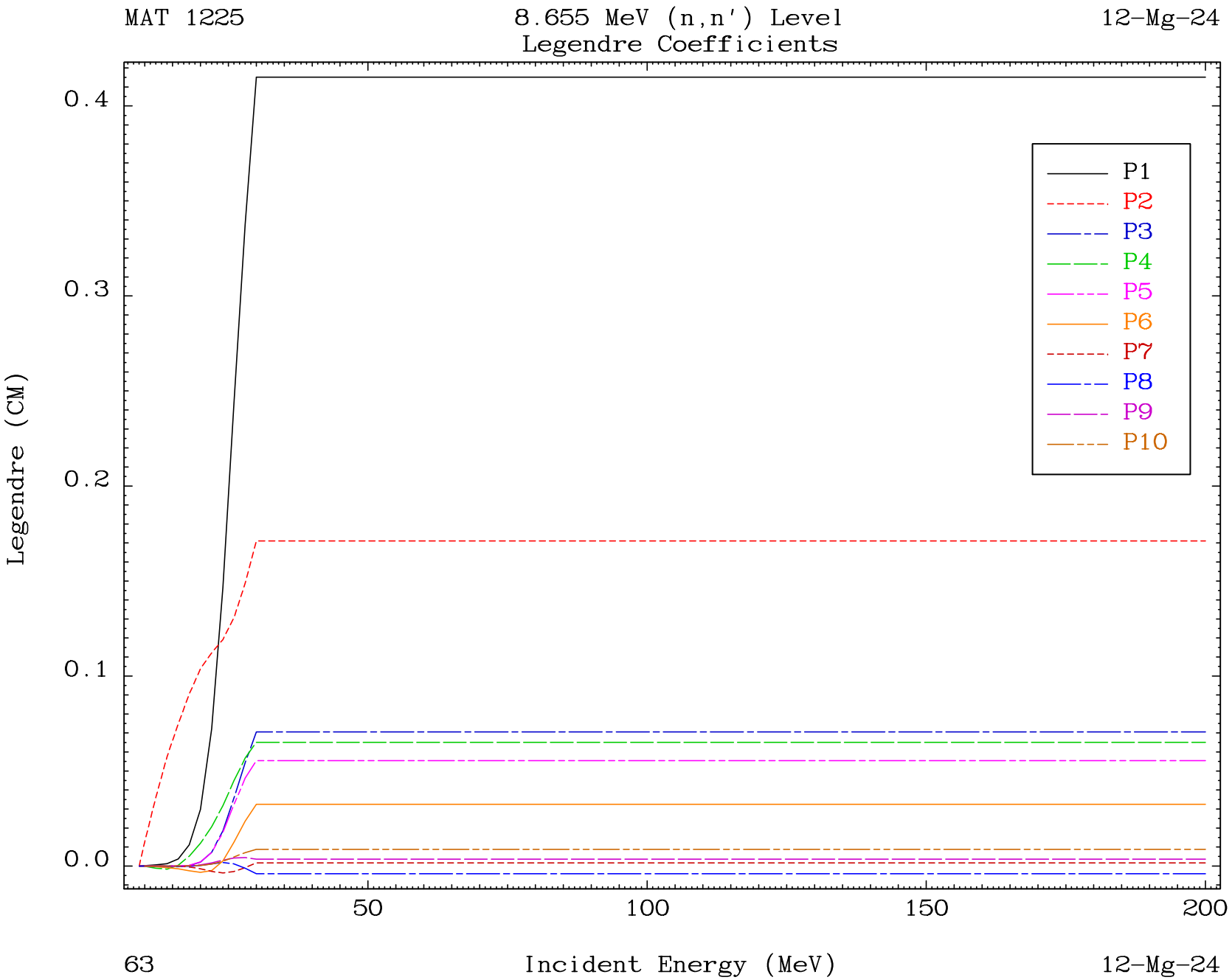

MAT 1225
8.437 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

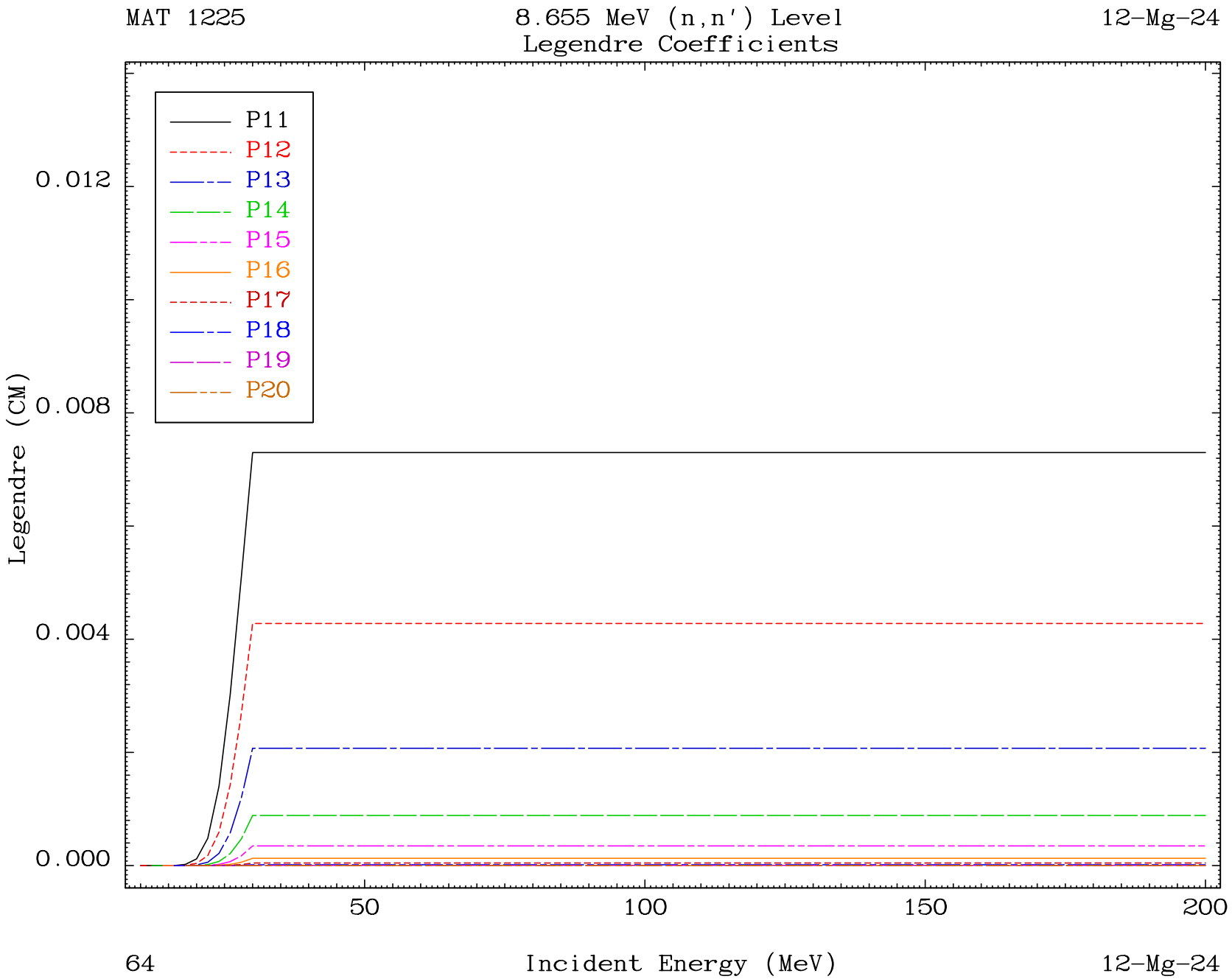

MAT 1225
8.437 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
59
Incident Energy (MeV)
12-Mg-24

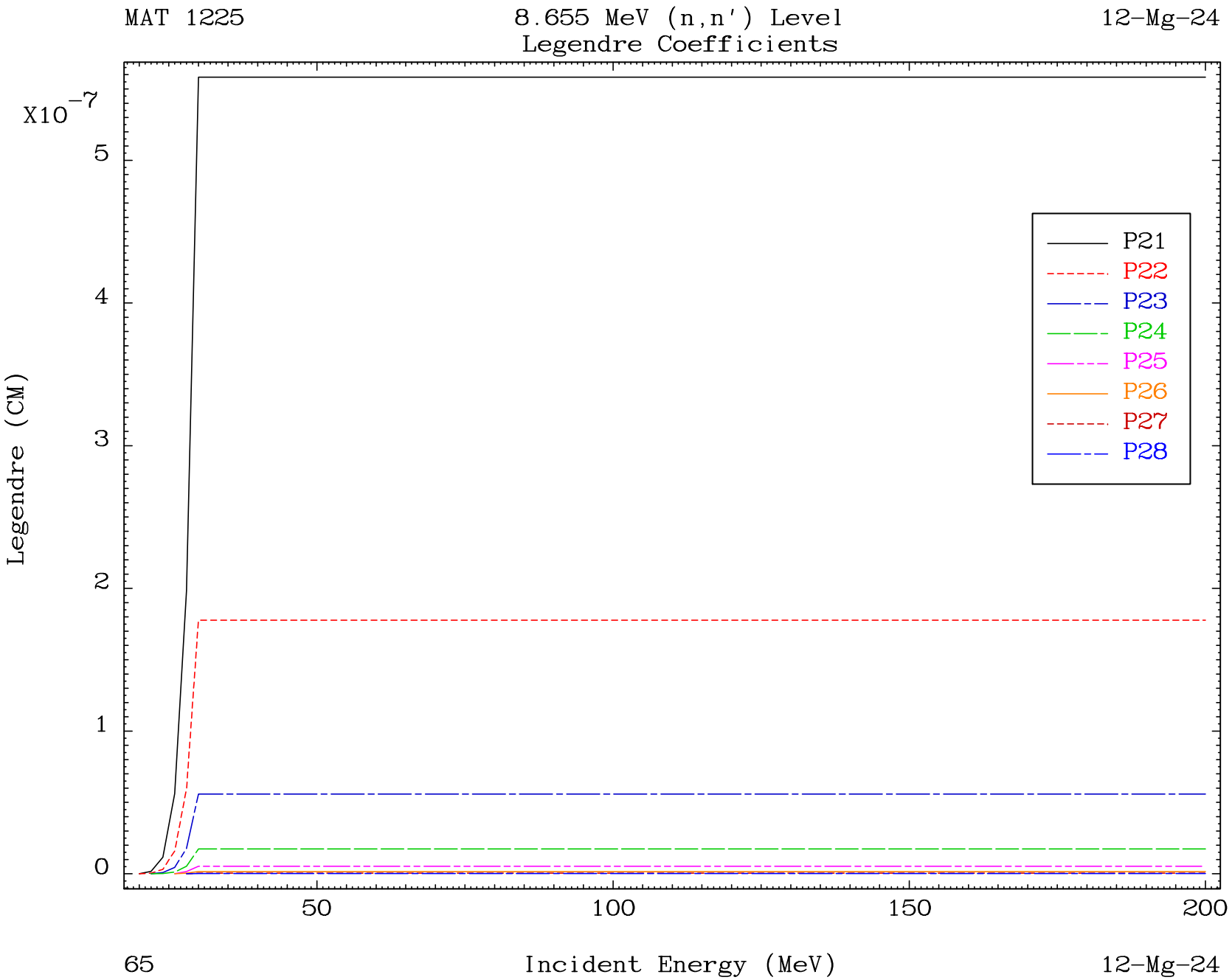

MAT 1225
8.439 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
60
50
100
150
200
Incident Energy (MeV)
12-Mg-24

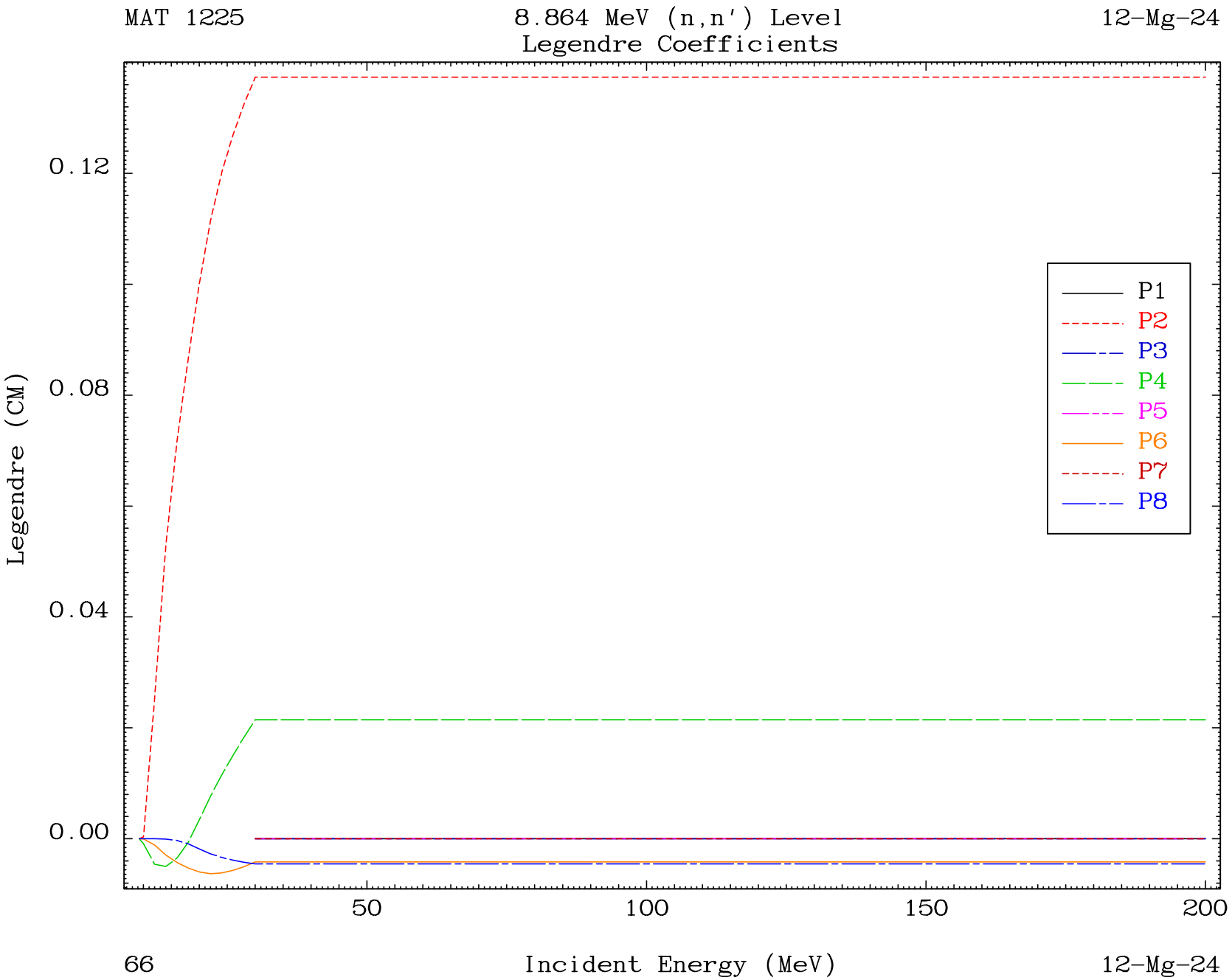

MAT 1225
8.439 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-3
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
61
Incident Energy (MeV)
12-Mg-24

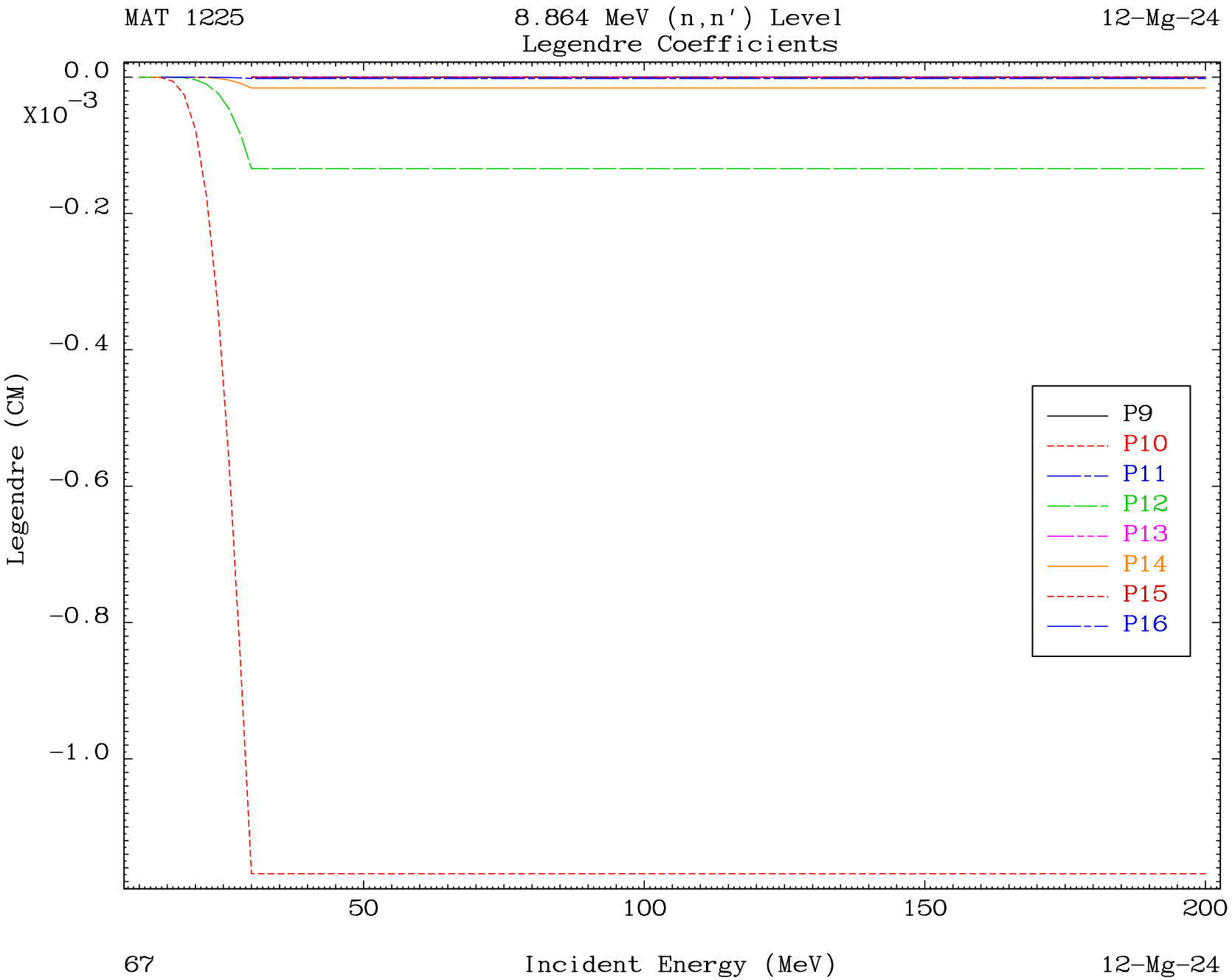

MAT 1225
8.439 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-6
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
62
Incident Energy (MeV)
12-Mg-24

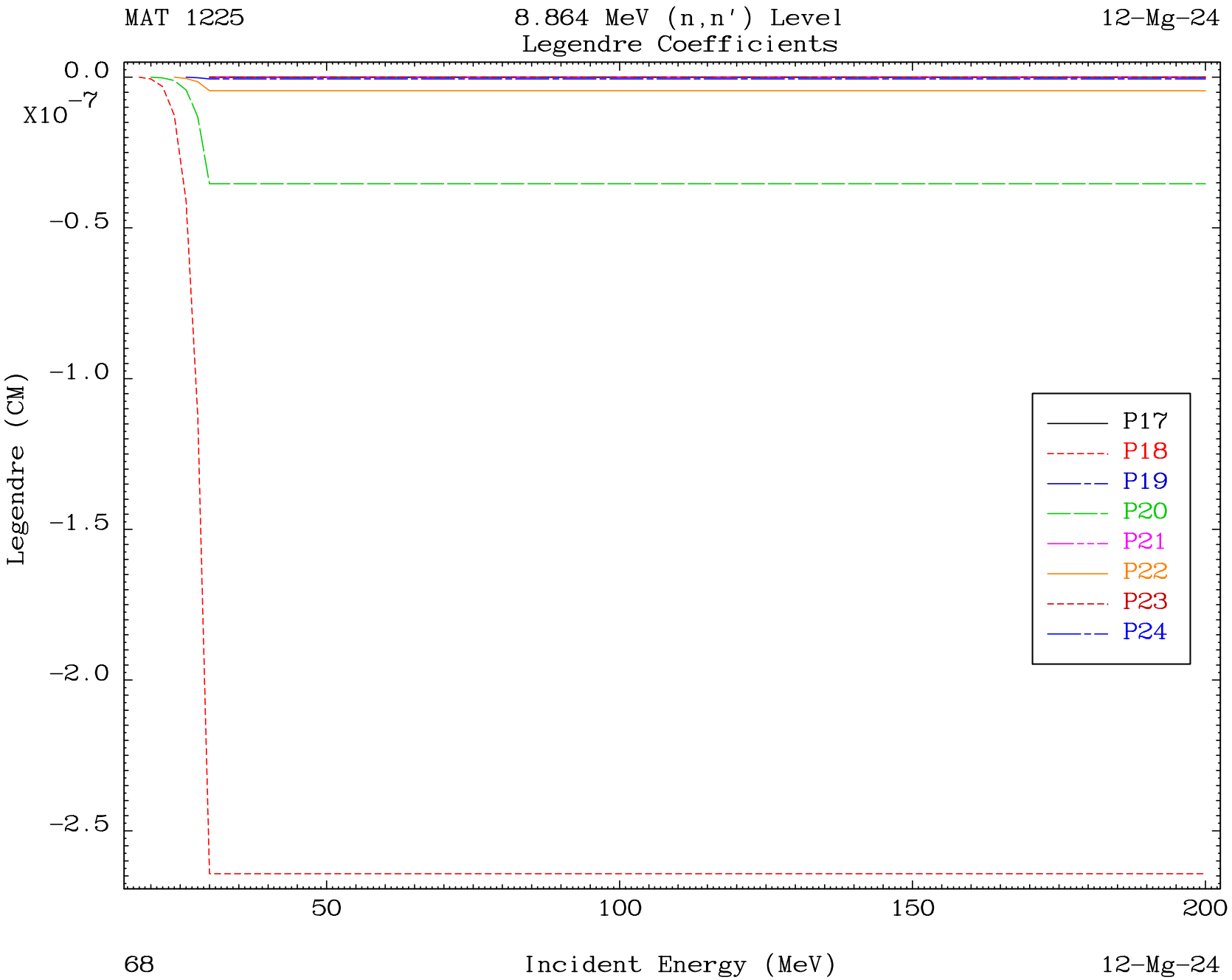

MAT 1225
8.655 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

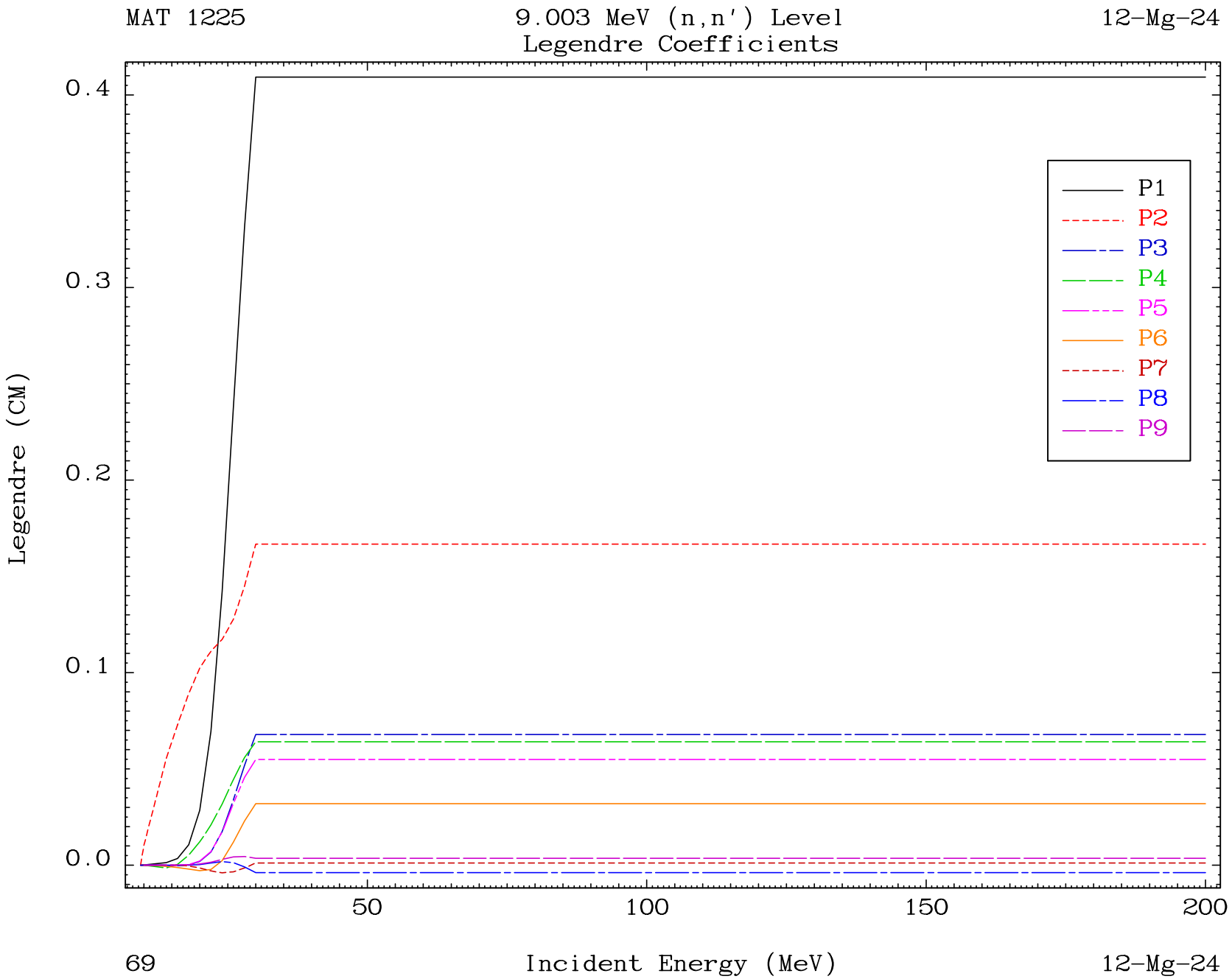

MAT 1225
8.655 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.012
0.008
0.004
0.000
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
12-Mg-24

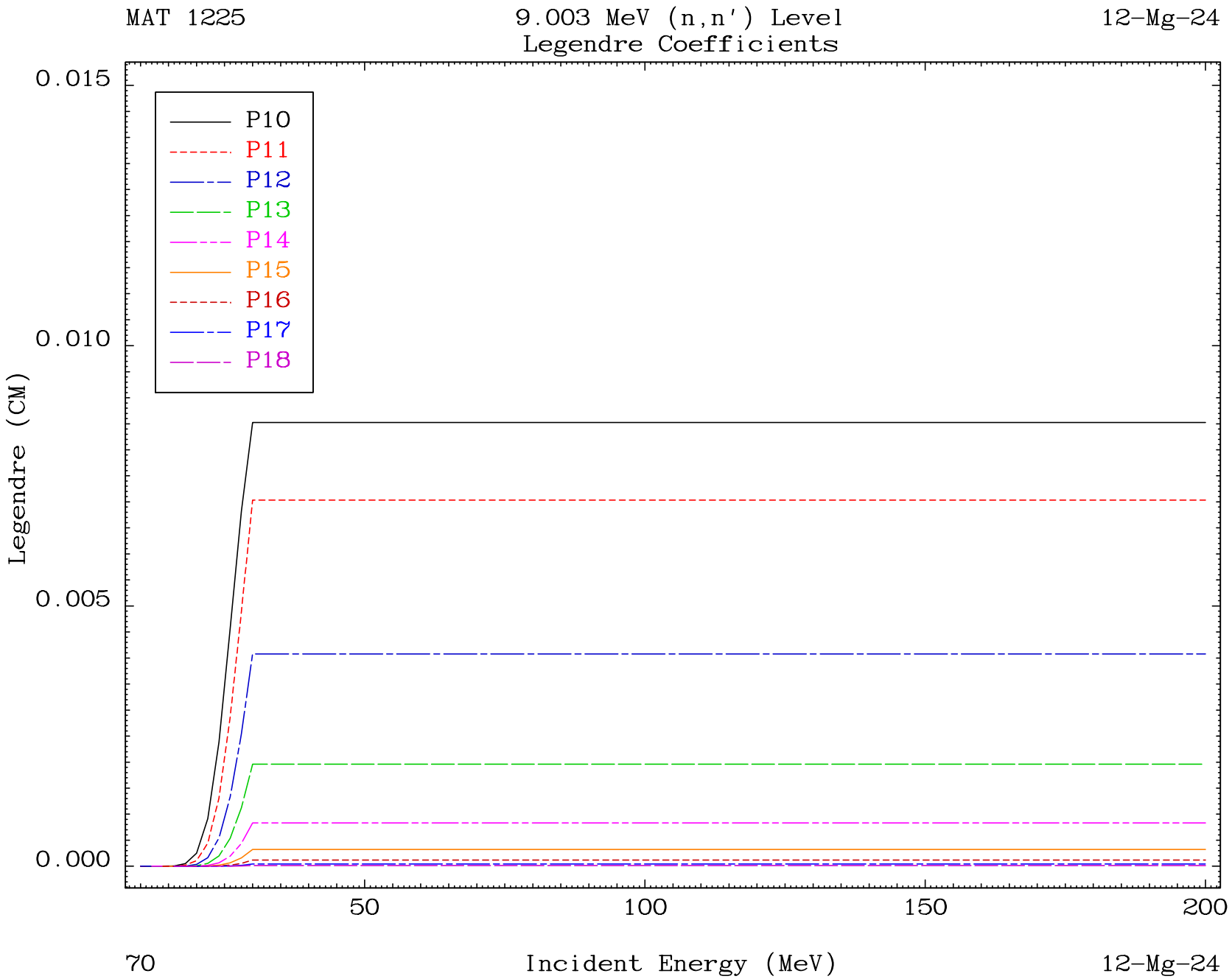

MAT 1225
8.655 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-7
5
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
65
Incident Energy (MeV)
12-Mg-24

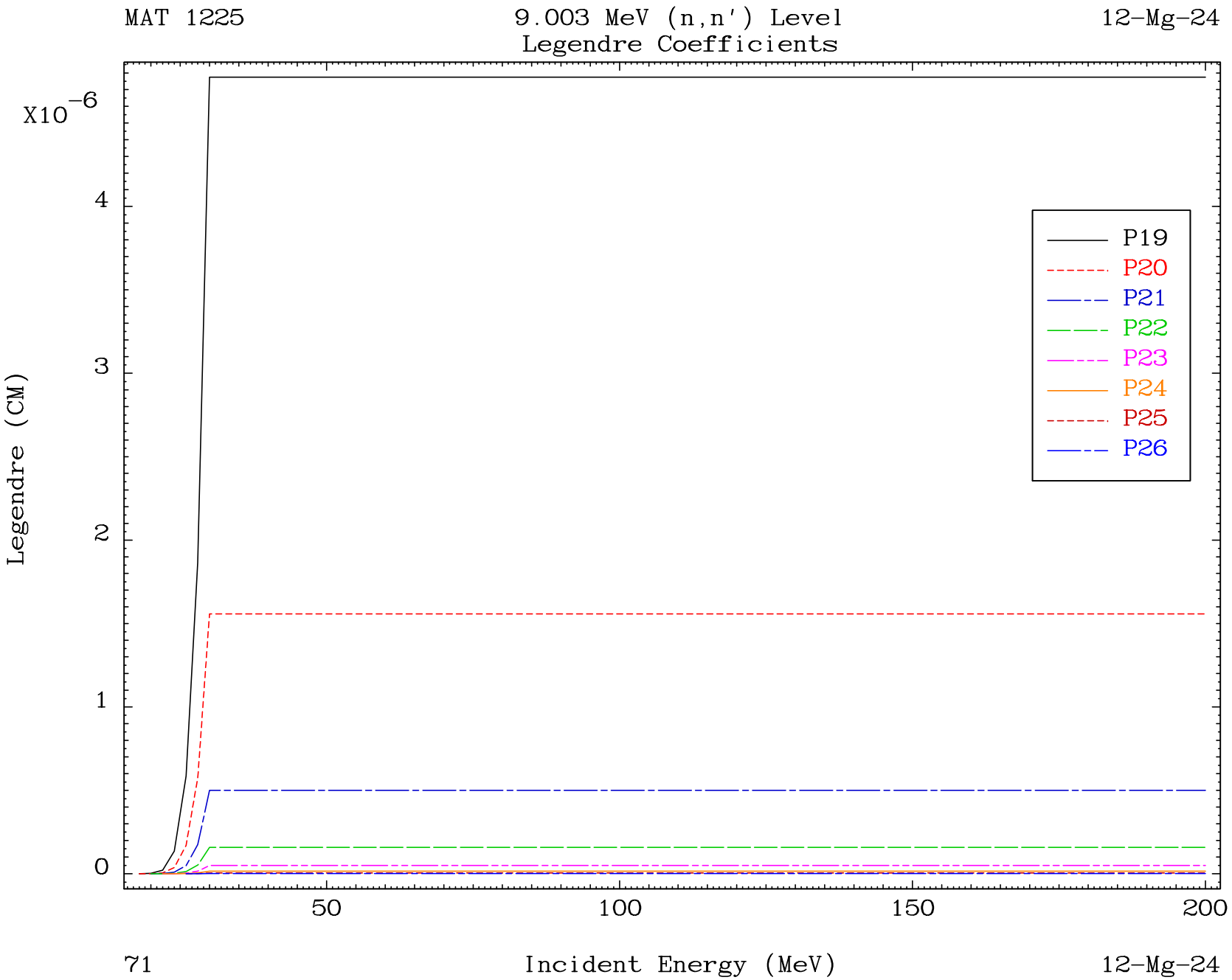

MAT 1225
8.864 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
50
100
150
200
66
Incident Energy (MeV)
12-Mg-24

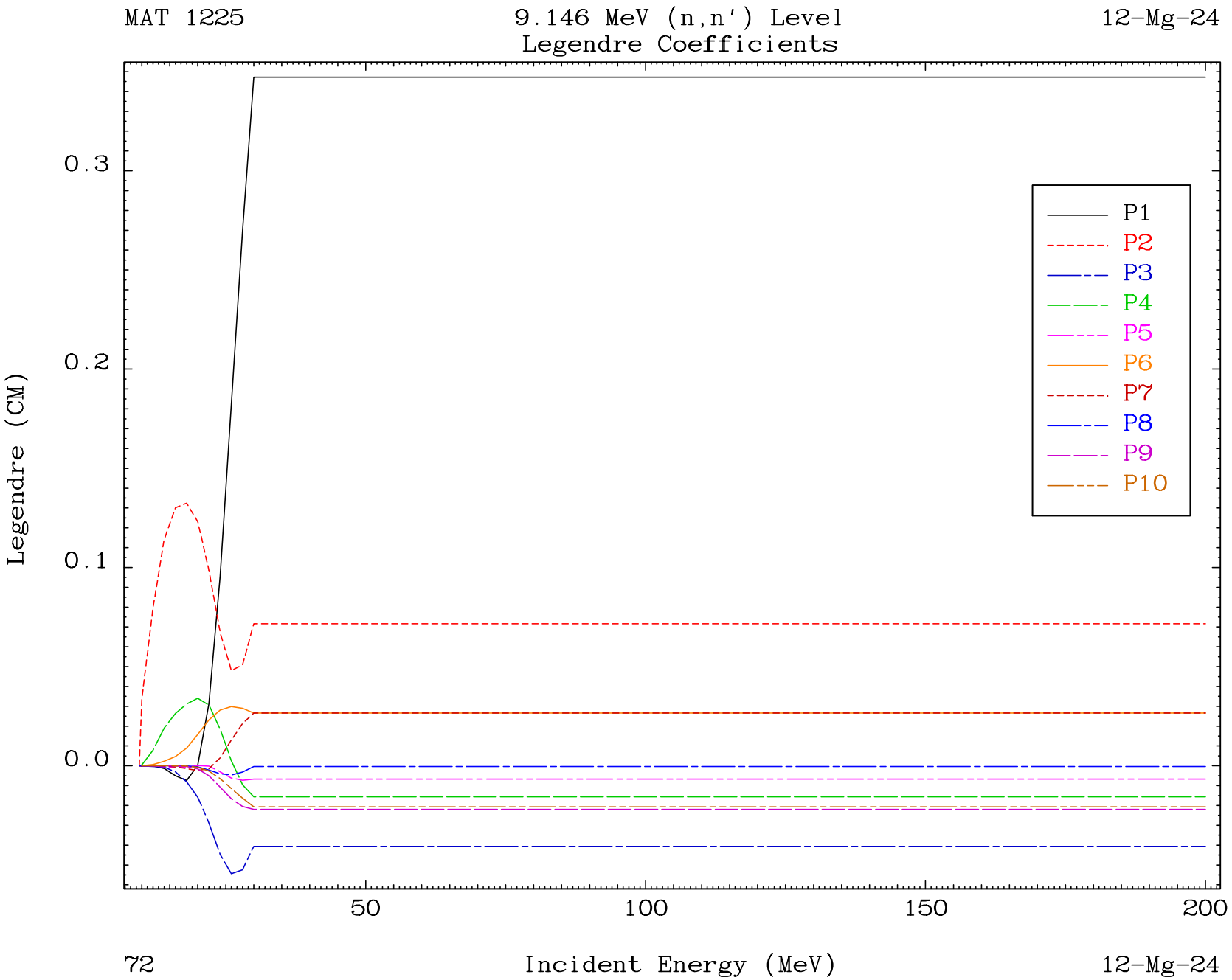

MAT 1225
8.864 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.0
X10-3
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
P9
P10
P11
P12
P13
P14
P15
P16
67
Incident Energy (MeV)
12-Mg-24

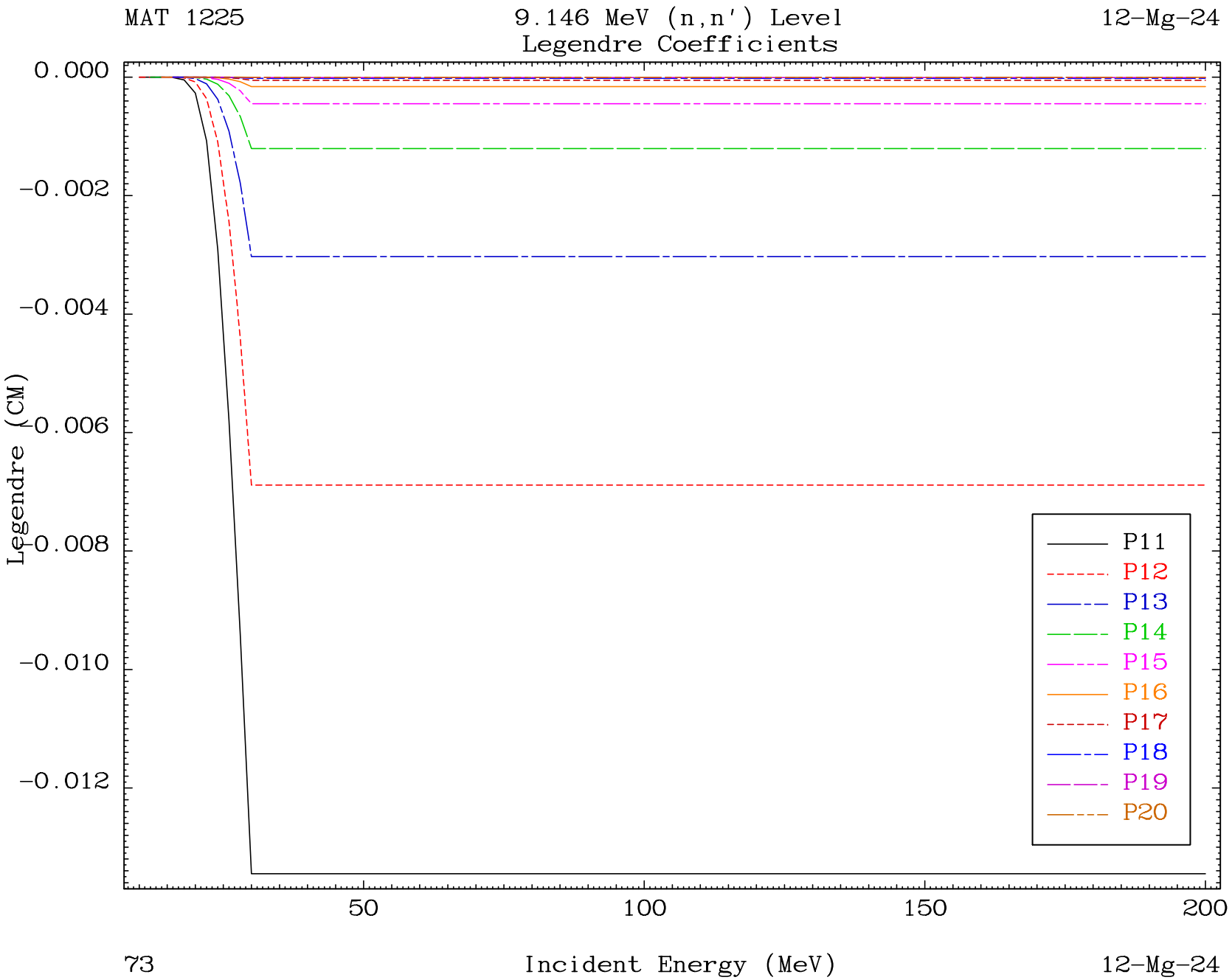

MAT 1225
8.864 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.0
X10-7
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
12-Mg-24
P17
P18
P19
P20
P21
P22
P23
P24

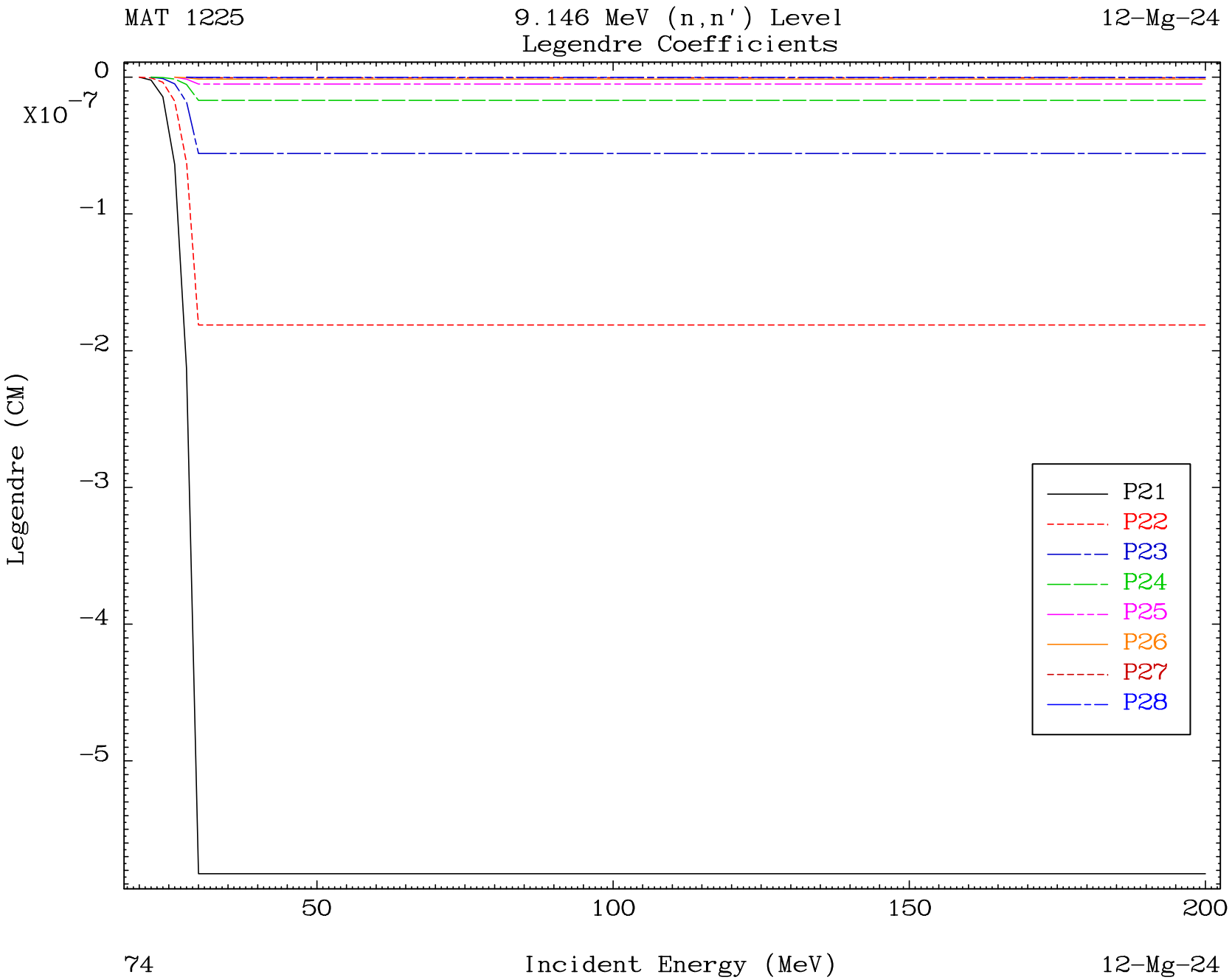

MAT 1225
9.003 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
69
Incident Energy (MeV)
12-Mg-24

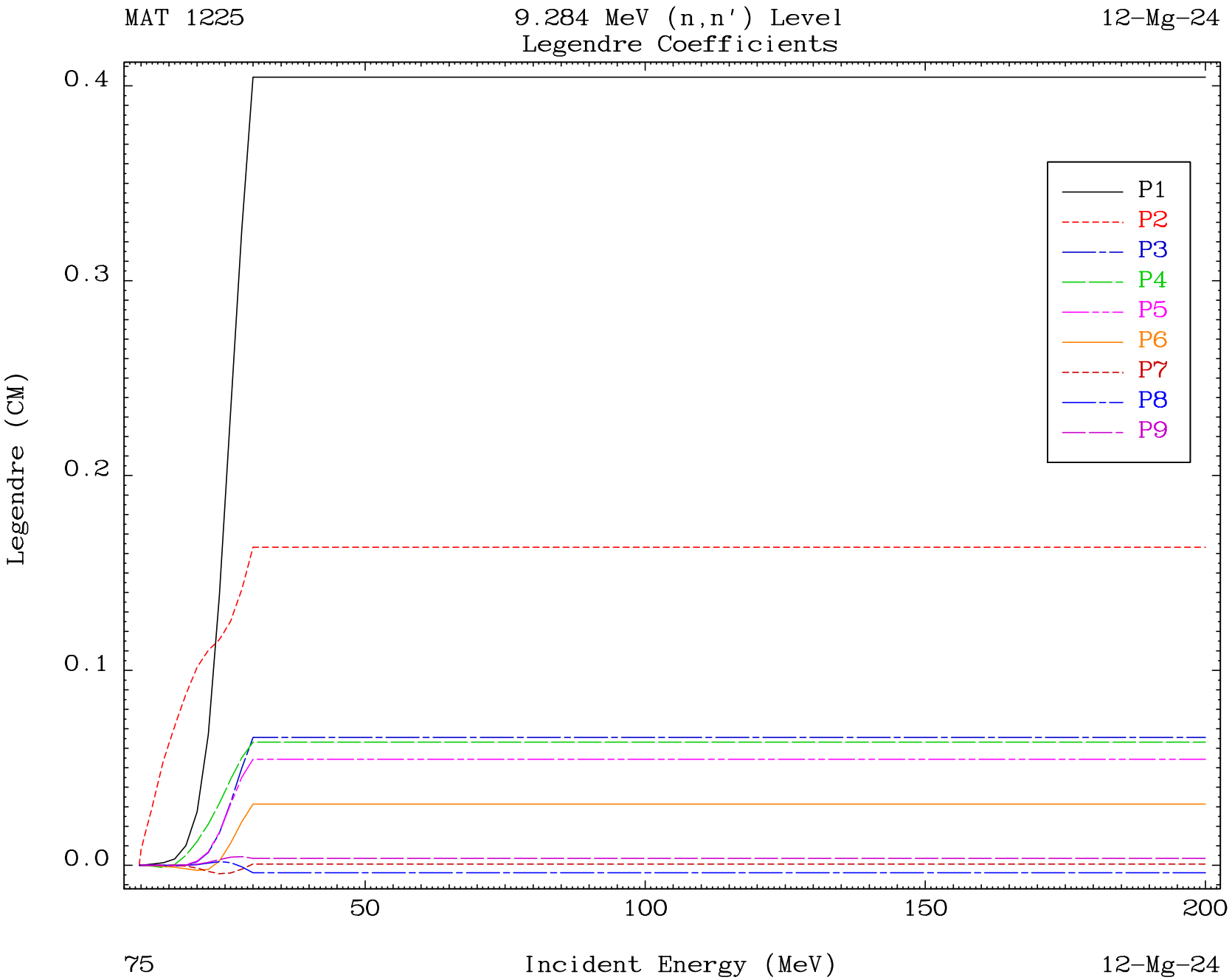

MAT 1225
9.003 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
12-Mg-24

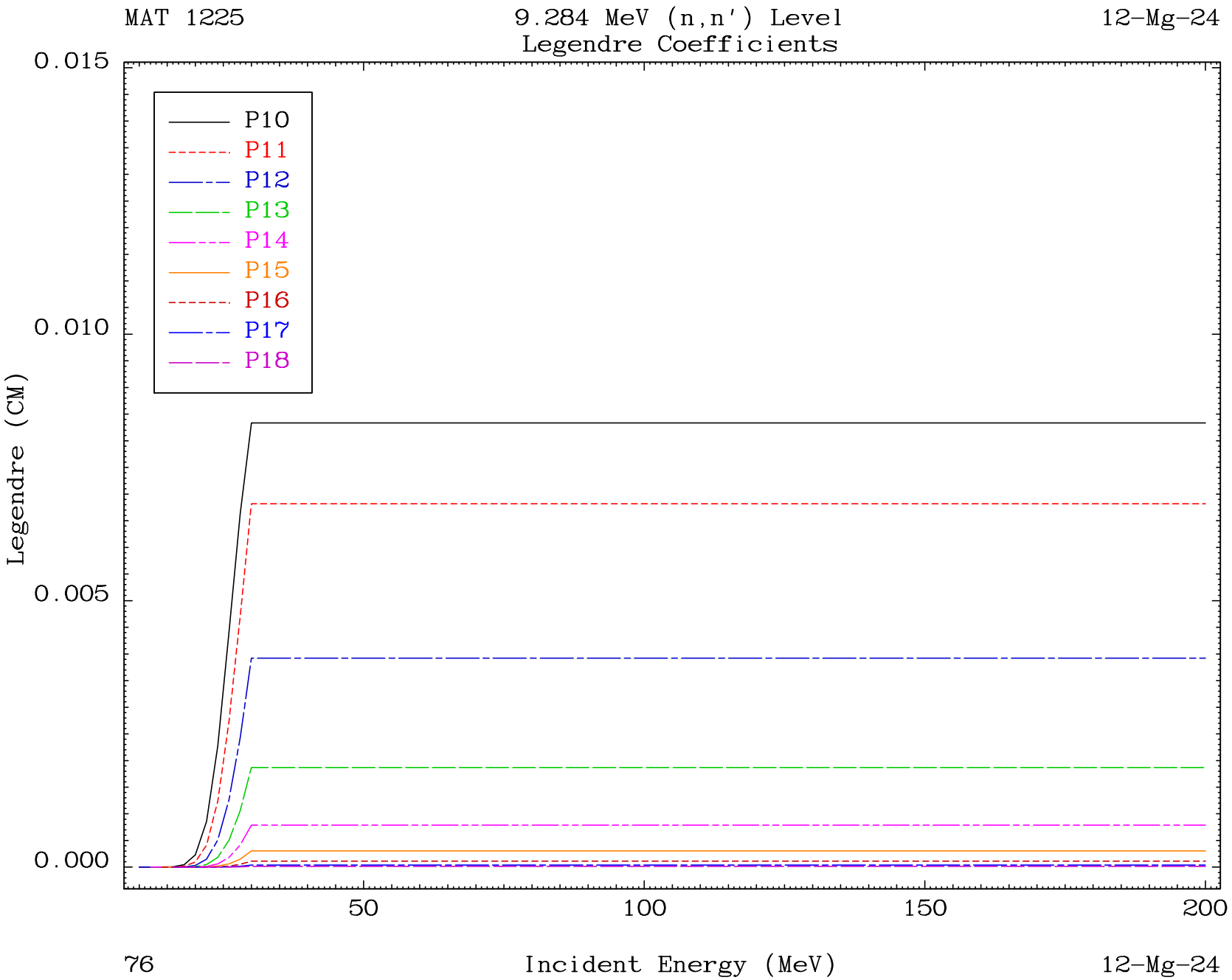

MAT 1225
9.003 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-6
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
71
Incident Energy (MeV)
12-Mg-24

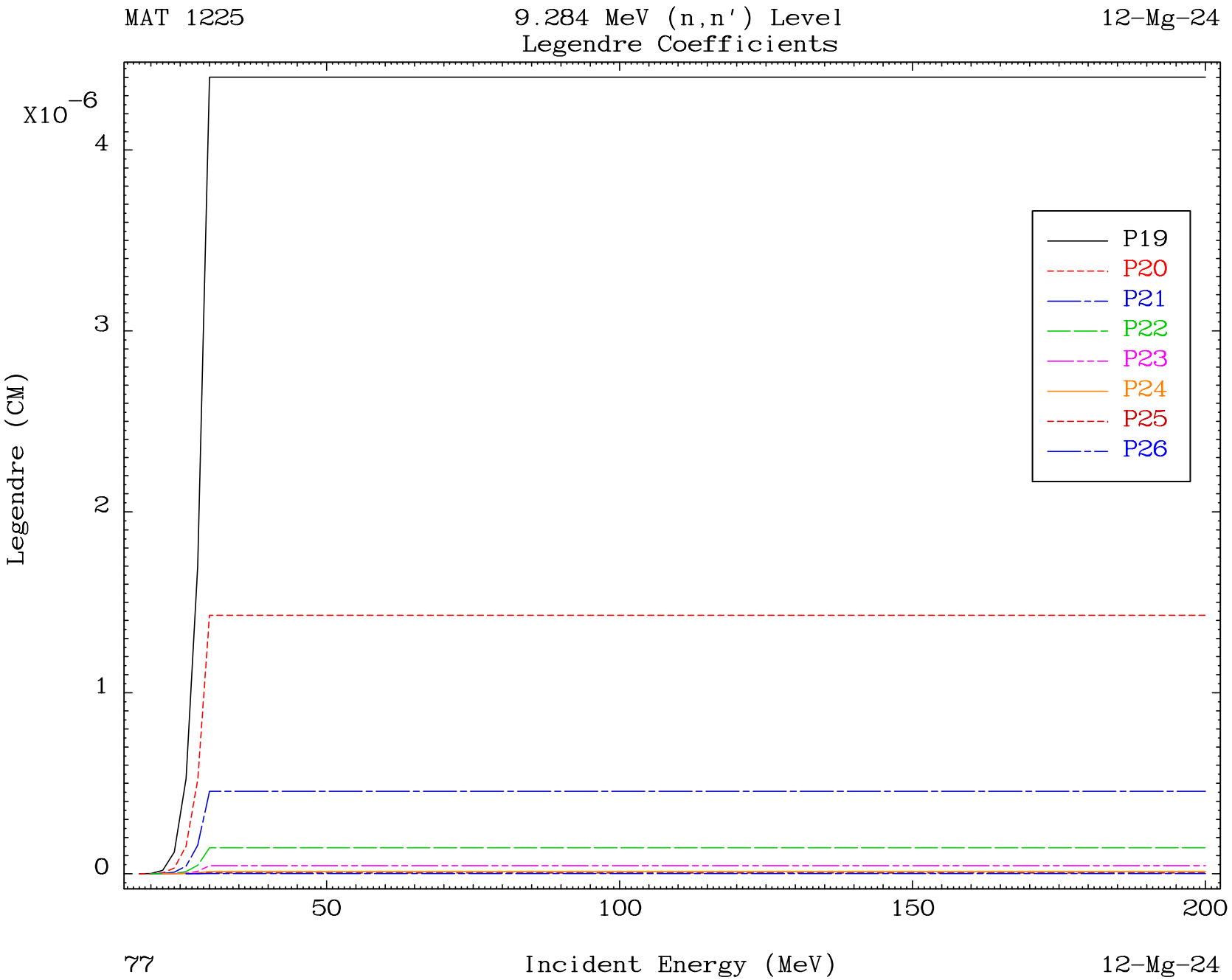

MAT 1225
9.146 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
72
Incident Energy (MeV)
12-Mg-24

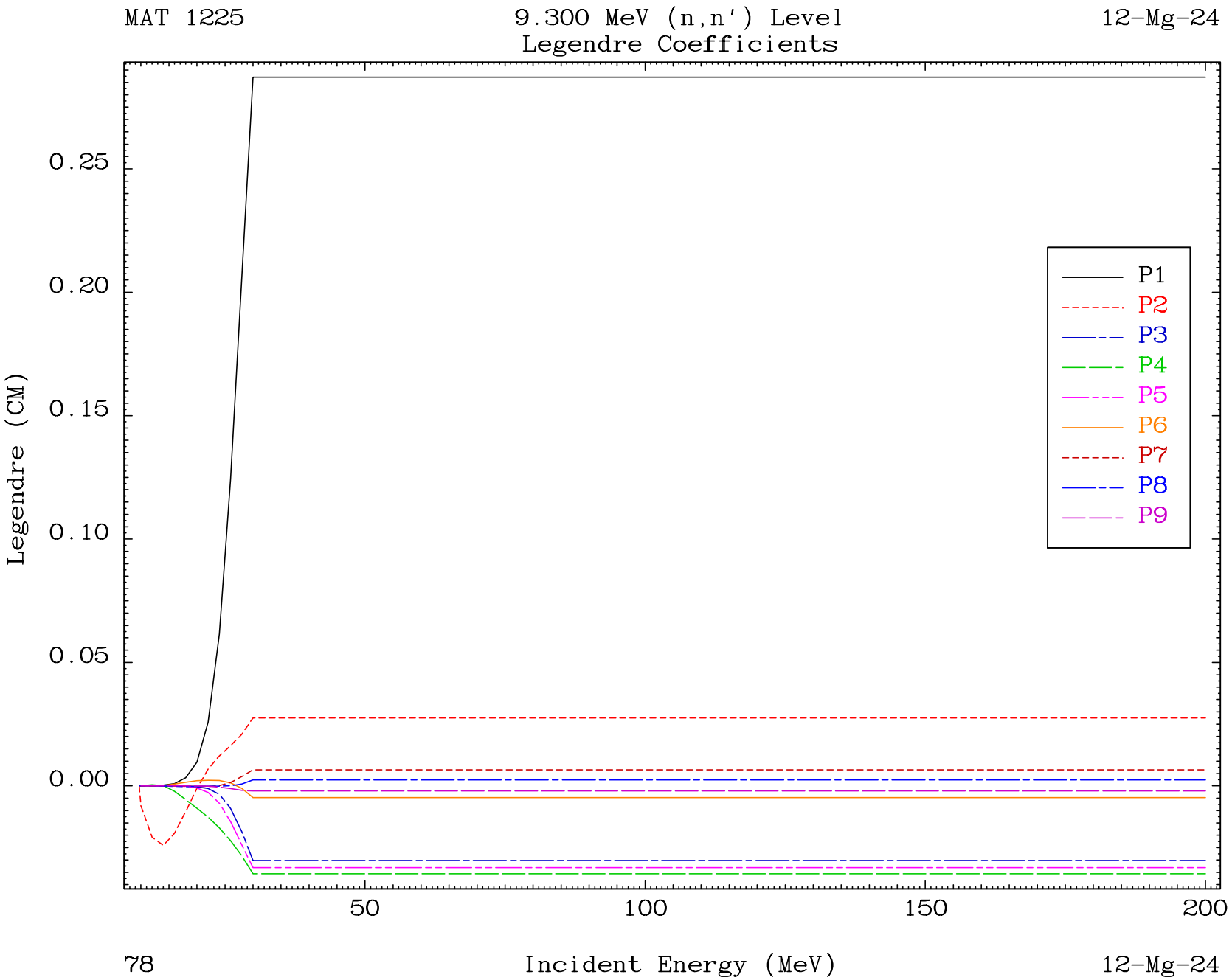

MAT 1225
9.146 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.000
-0.002
-0.004
-0.006
-0.008
-0.010
-0.012
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

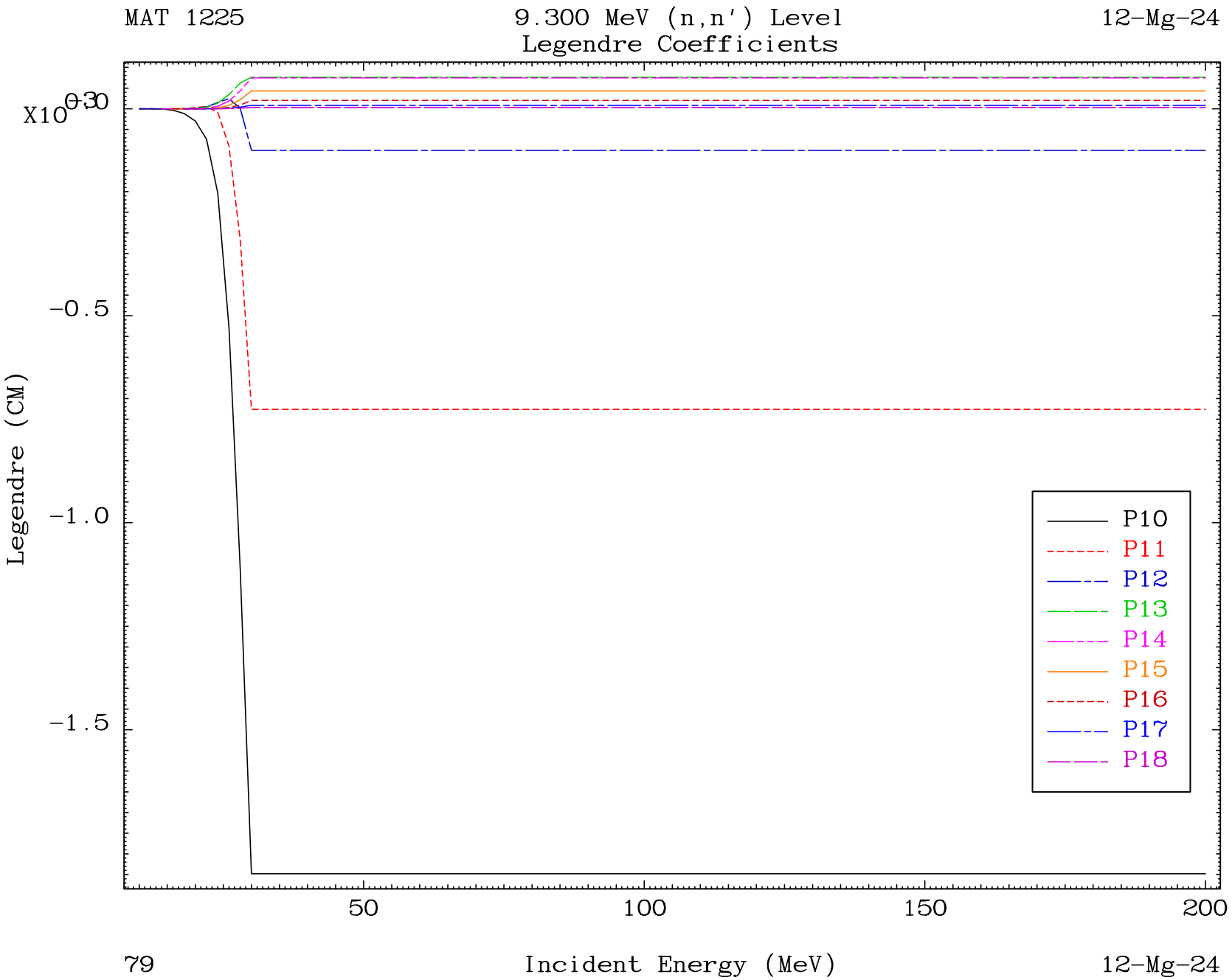

MAT 1225
9.146 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-7
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
12-Mg-24
P21
P22
P23
P24
P25
P26
P27
P28

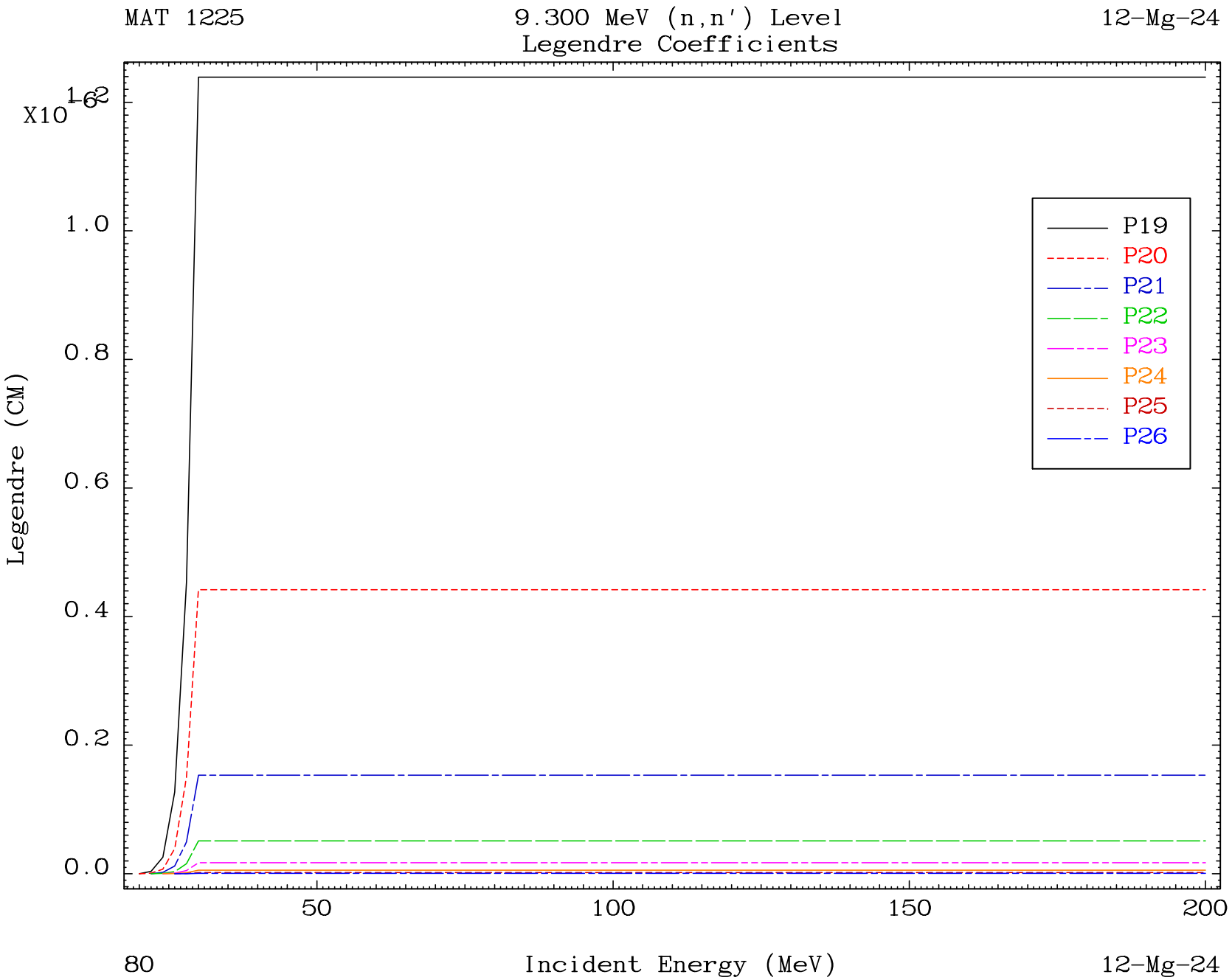

MAT 1225
9.284 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
75
Incident Energy (MeV)
12-Mg-24

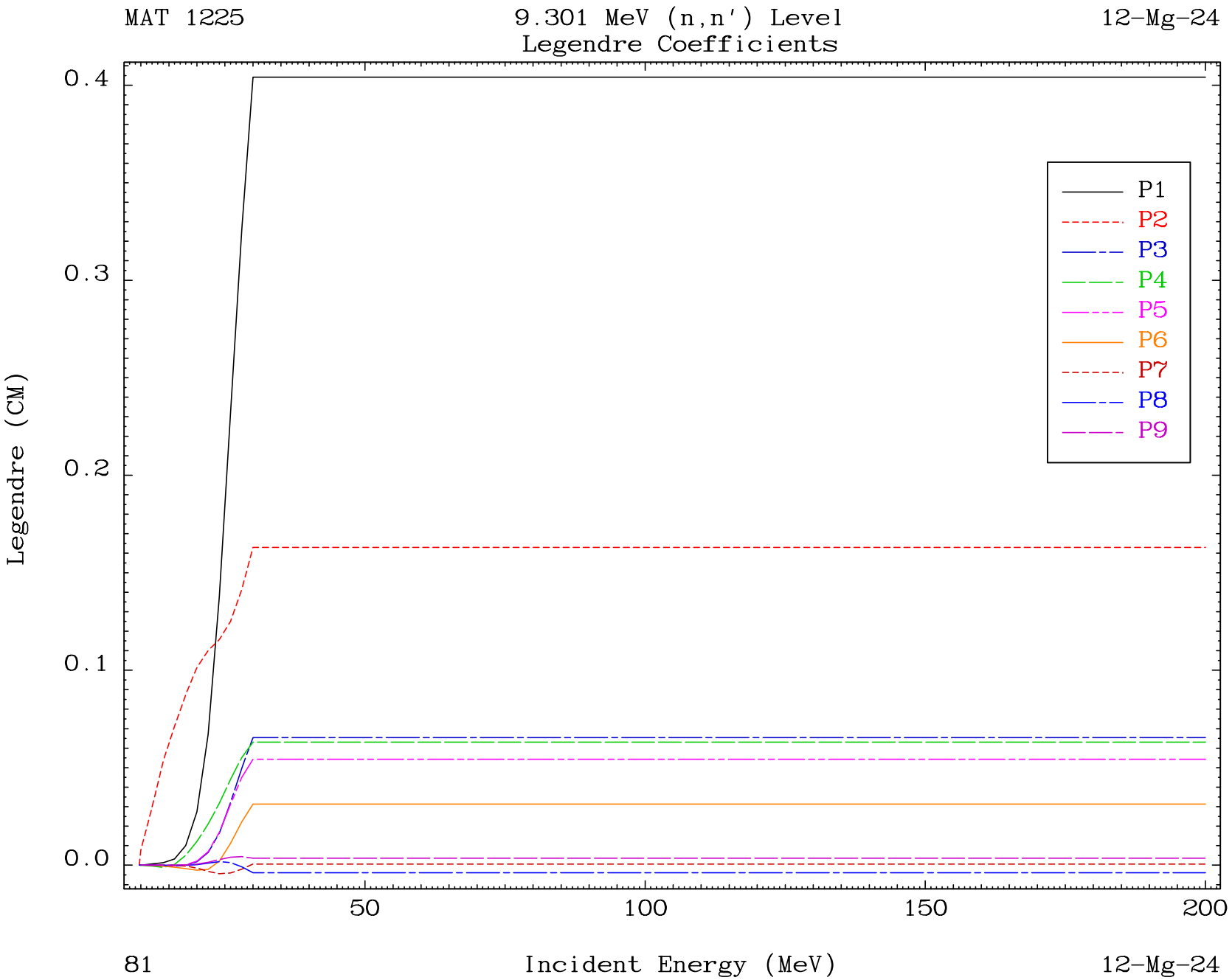

MAT 1225
9.284 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
12-Mg-24

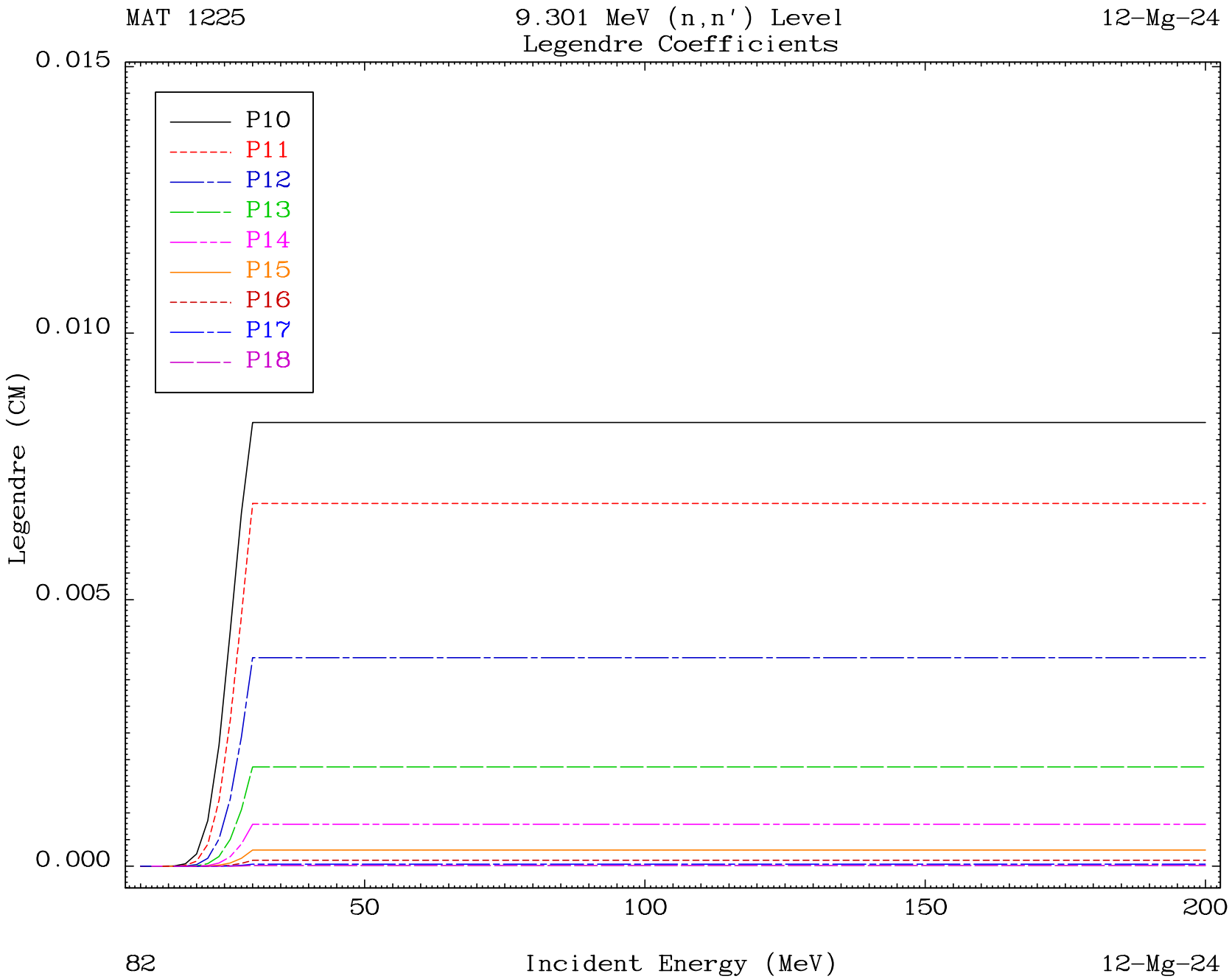

MAT 1225
9.284 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-6
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
77
Incident Energy (MeV)
12-Mg-24

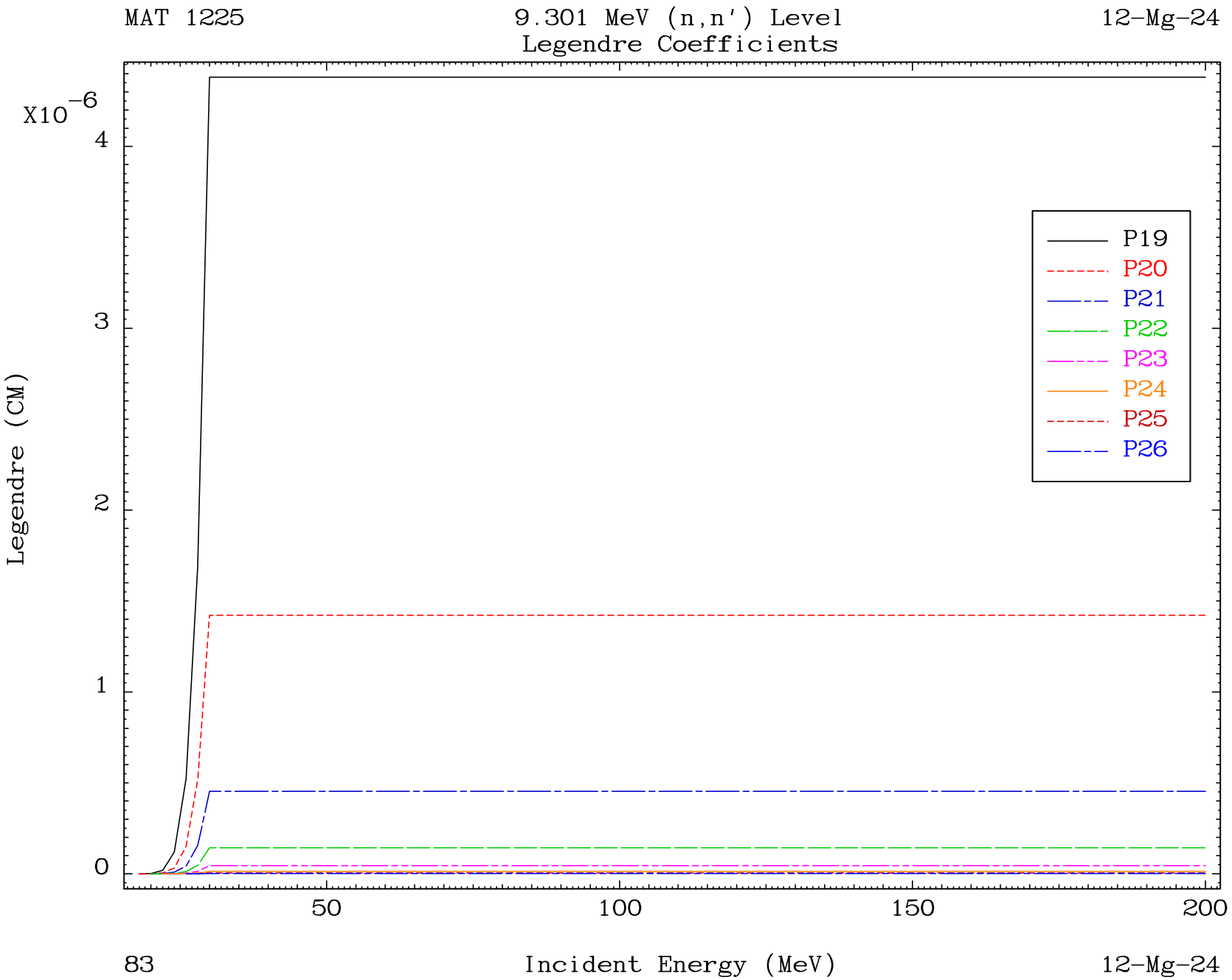

MAT 1225
9.300 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
50
100
150
200
Incident Energy (MeV)
78
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9

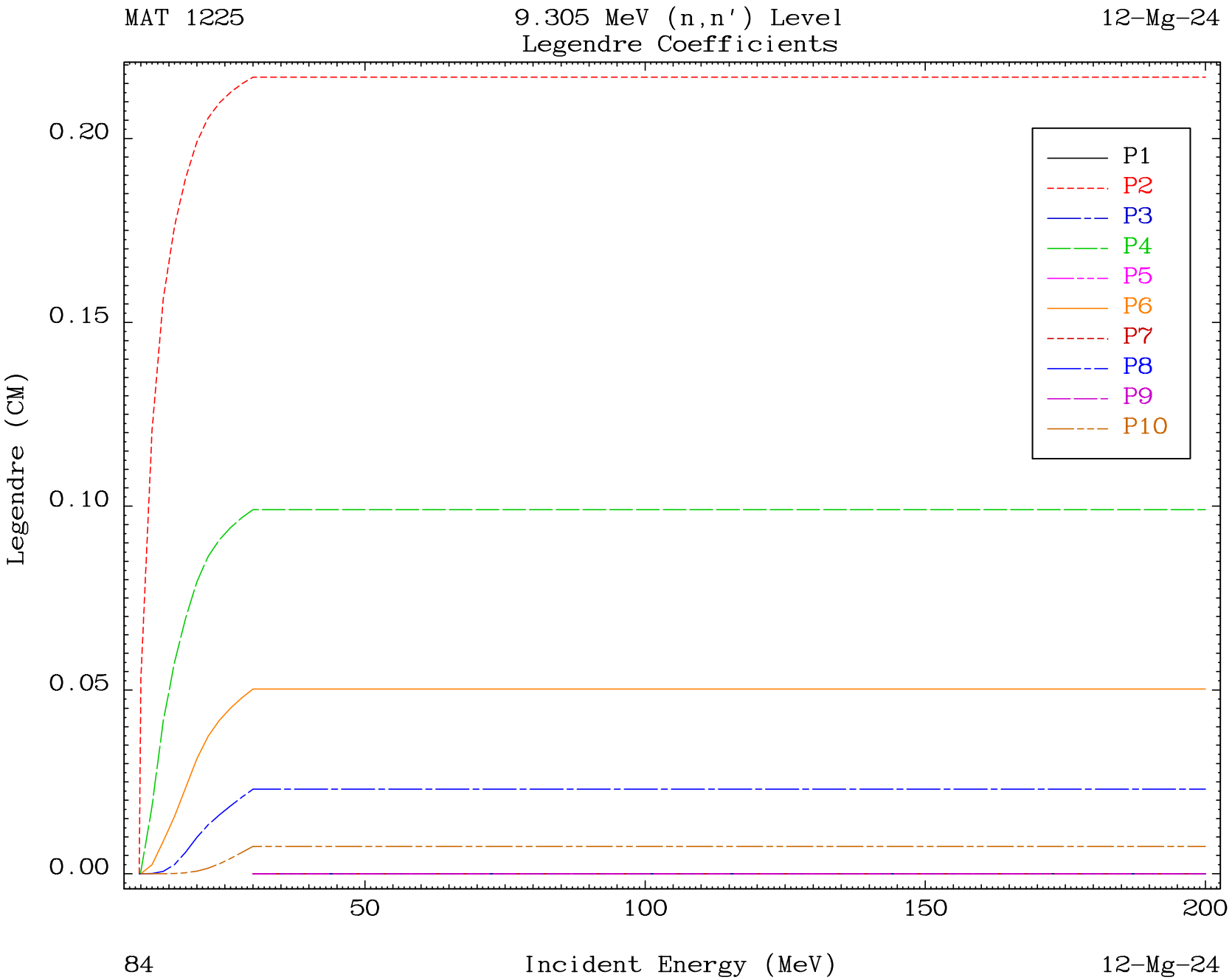

MAT 1225
9.300 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^0.30
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
79
Incident Energy (MeV)
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18

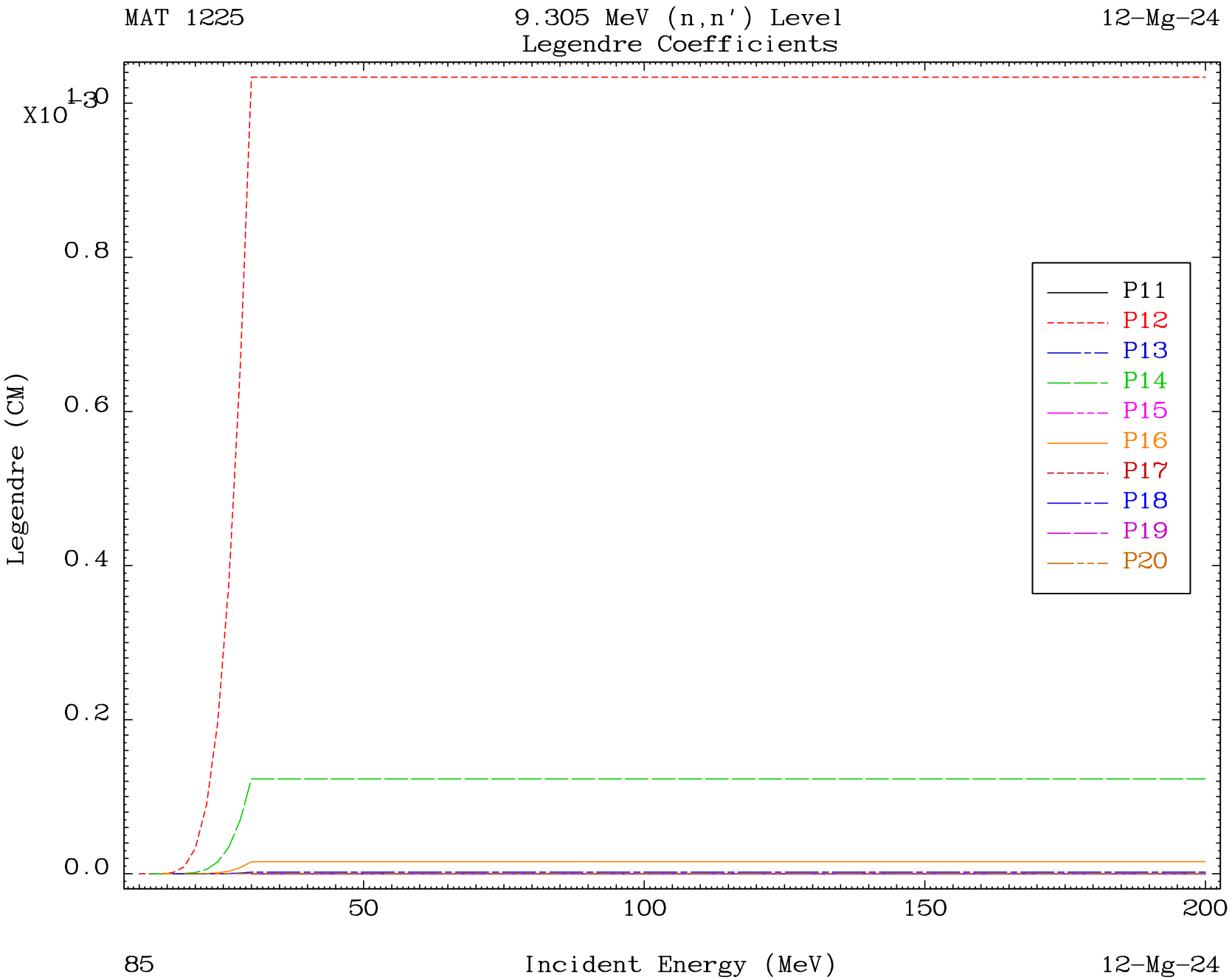

MAT 1225
9.300 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
12-Mg-24
P19
P20
P21
P22
P23
P24
P25
P26

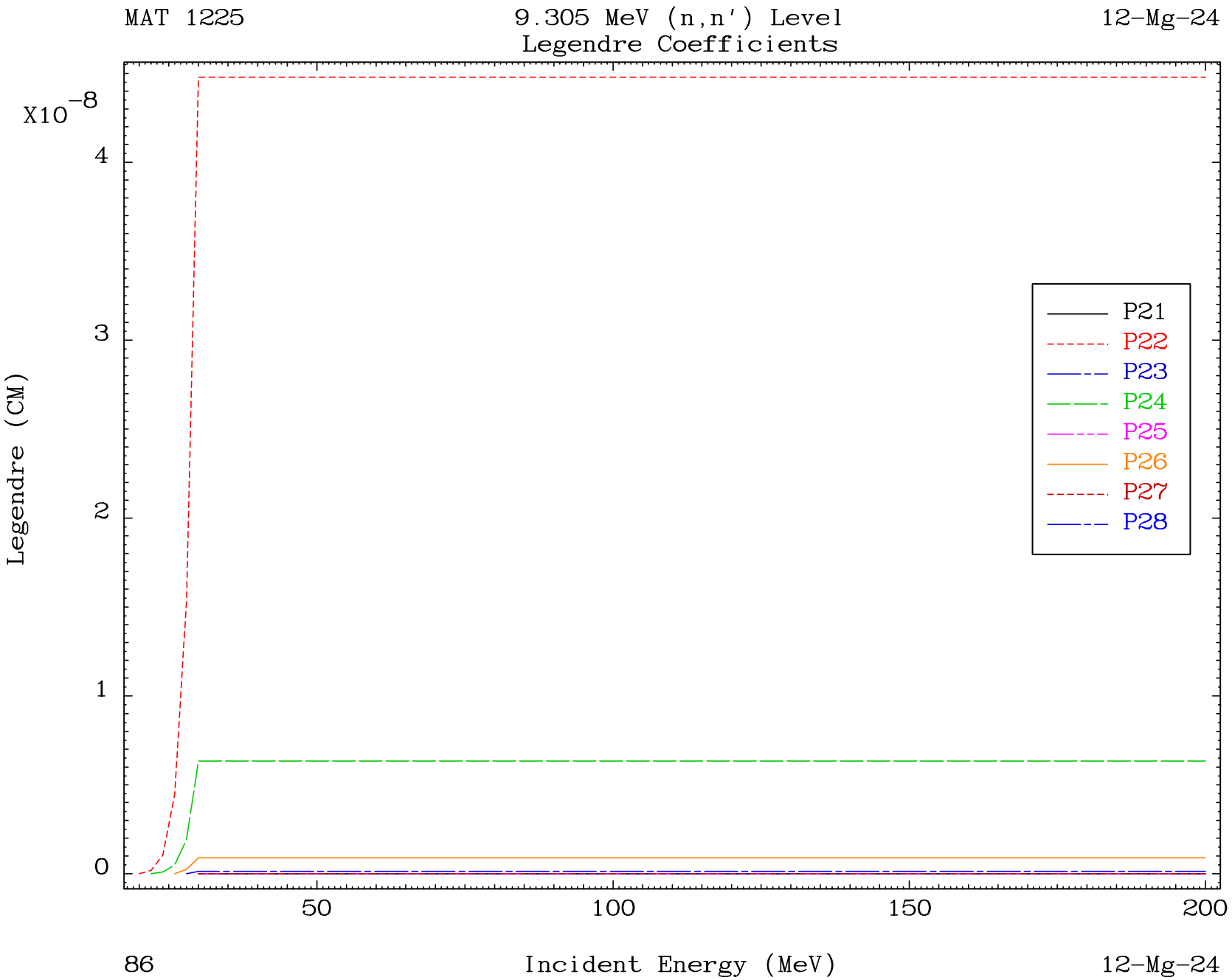

MAT 1225
9.301 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
81
Incident Energy (MeV)
12-Mg-24

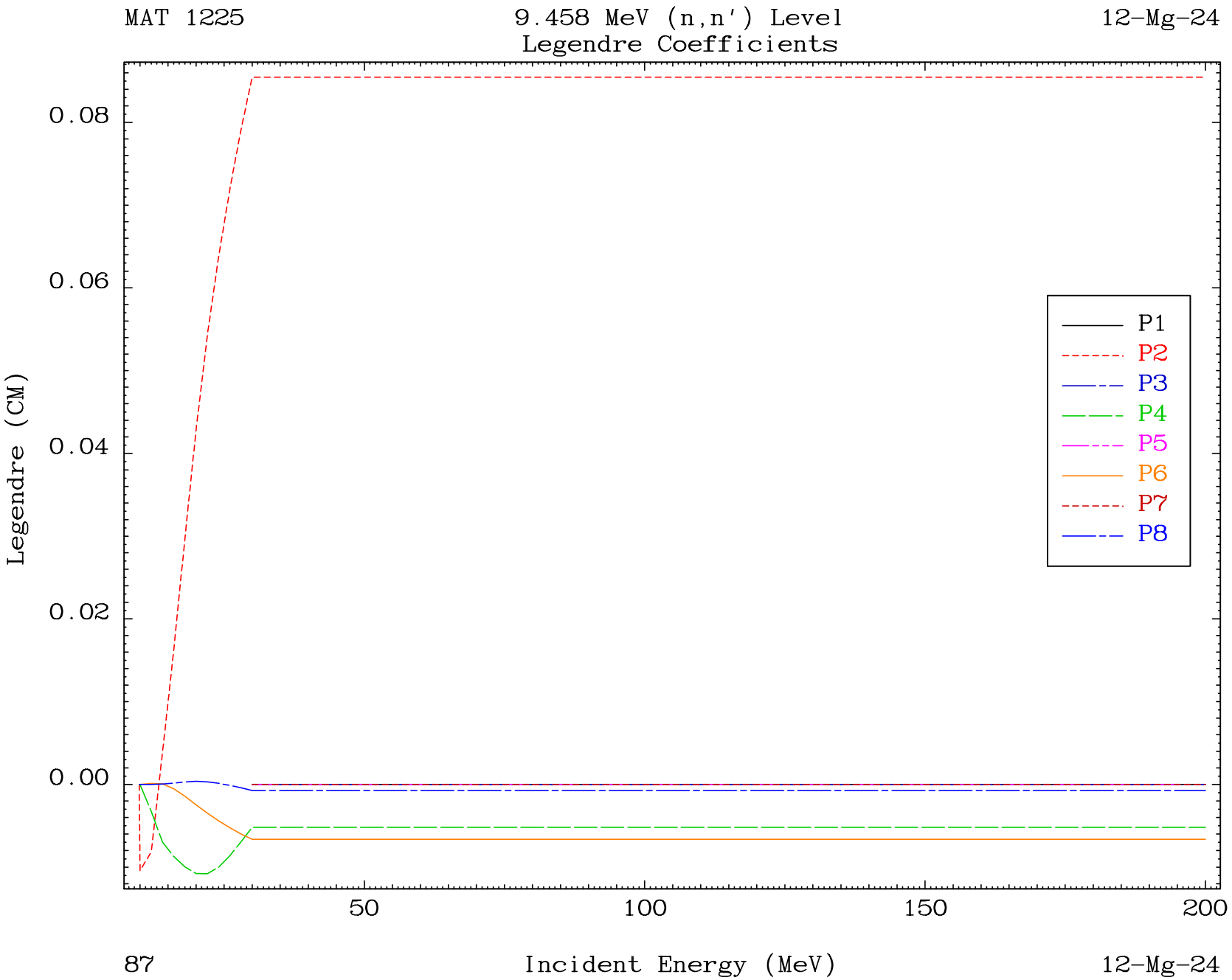

MAT 1225
9.301 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
12-Mg-24

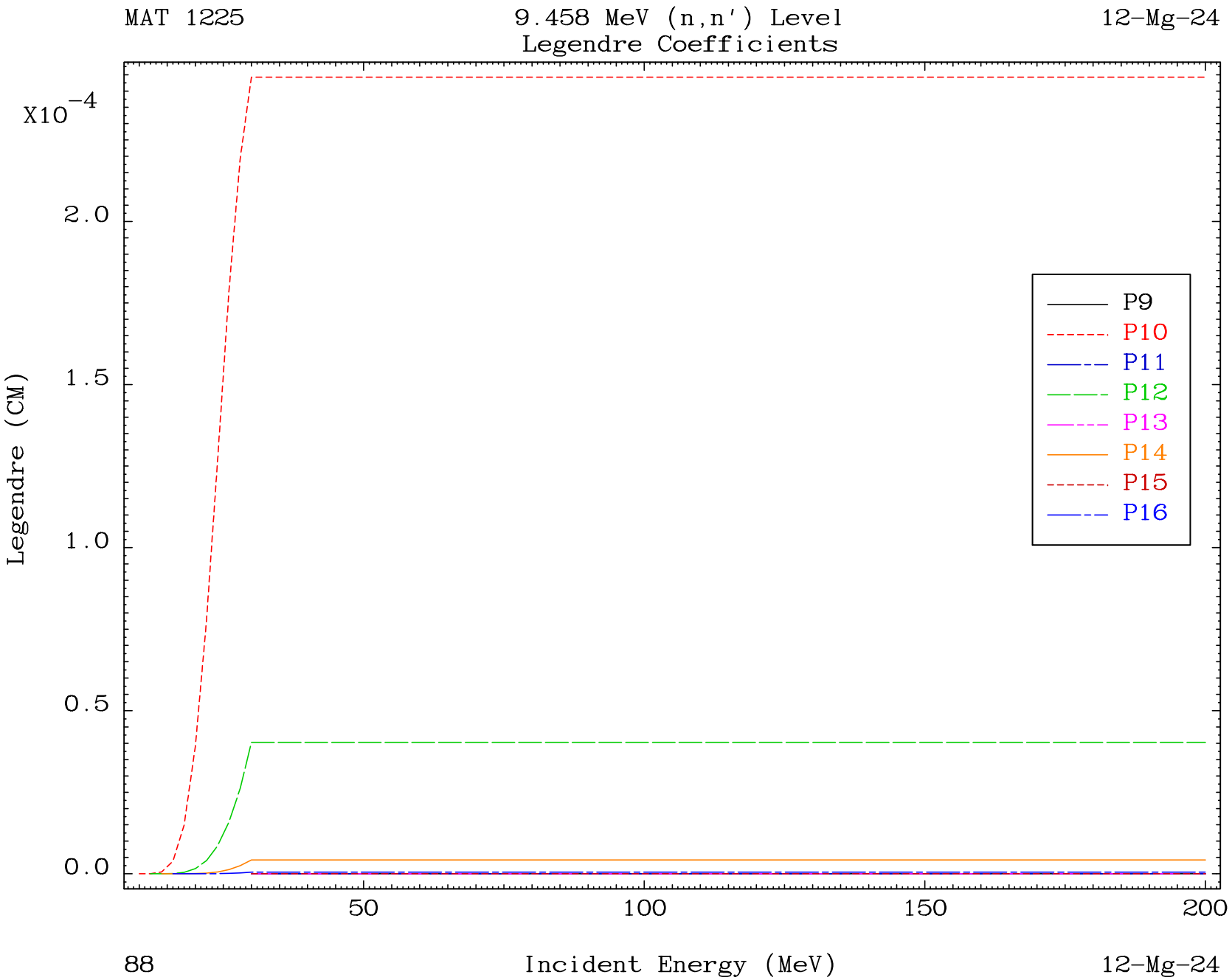

MAT 1225
9.301 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10 -6
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
83
Incident Energy (MeV)
12-Mg-24

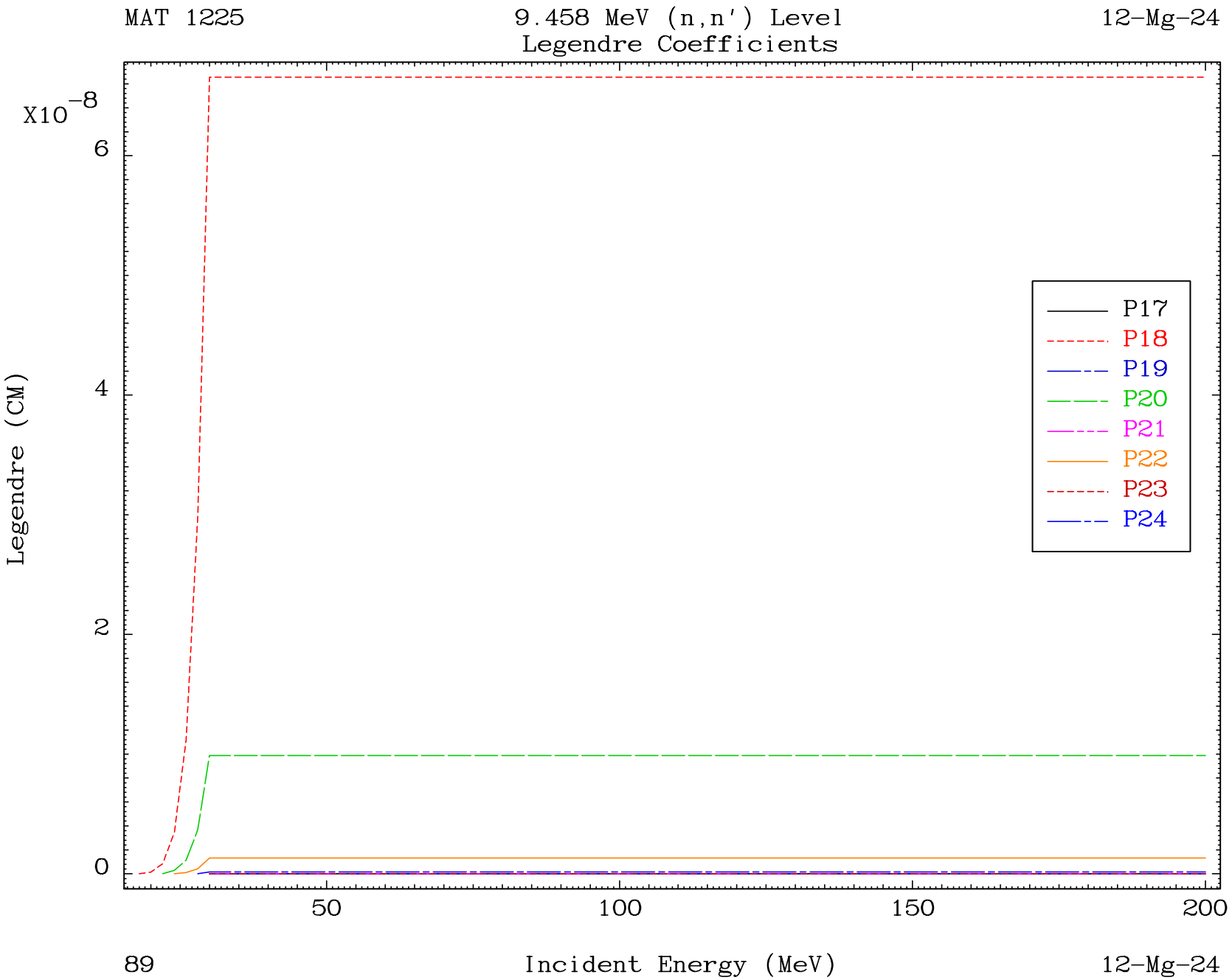

MAT 1225
9.305 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
50
100
150
200
Incident Energy (MeV)
84
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

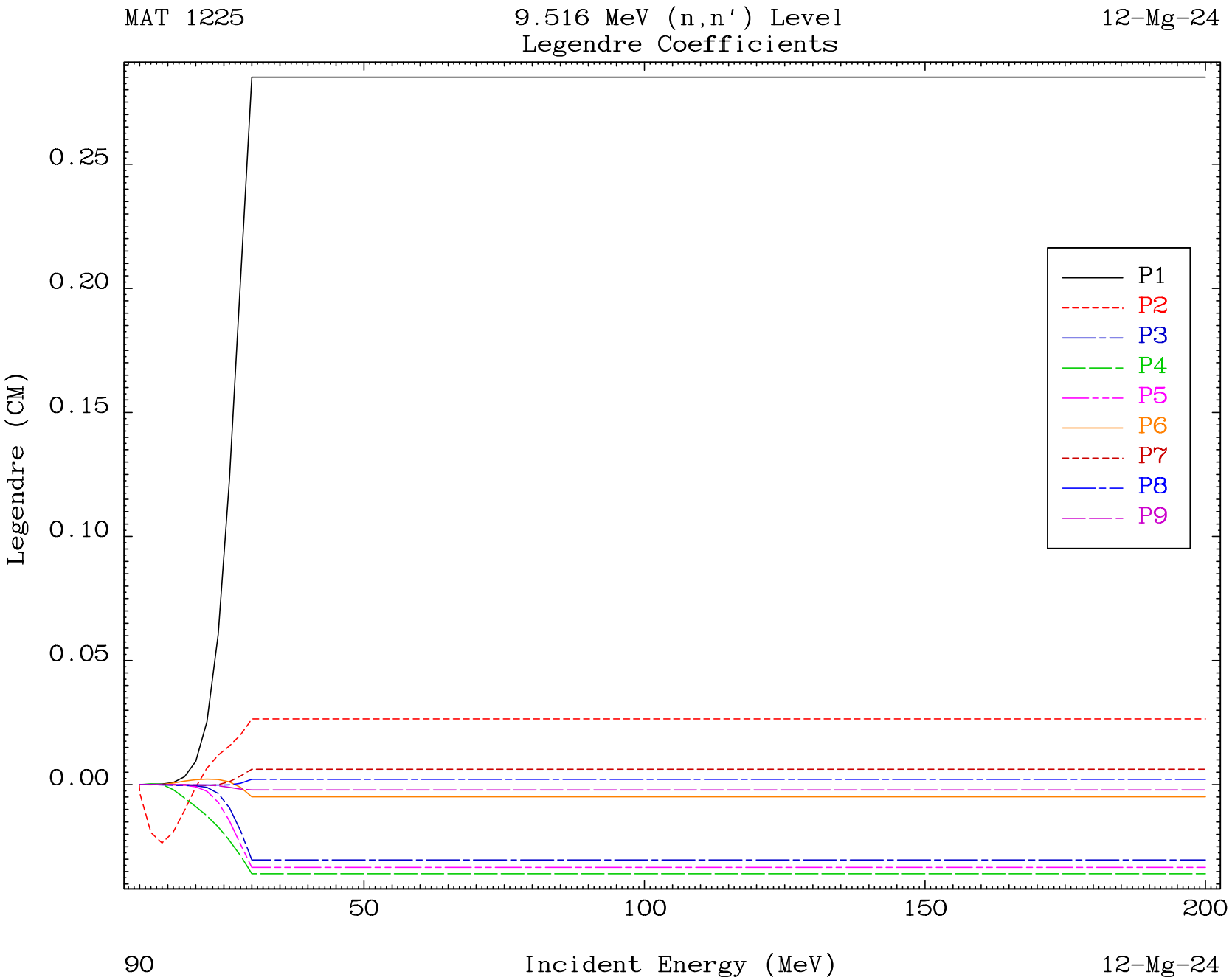

MAT 1225
9.305 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-3
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
12-Mg-24
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

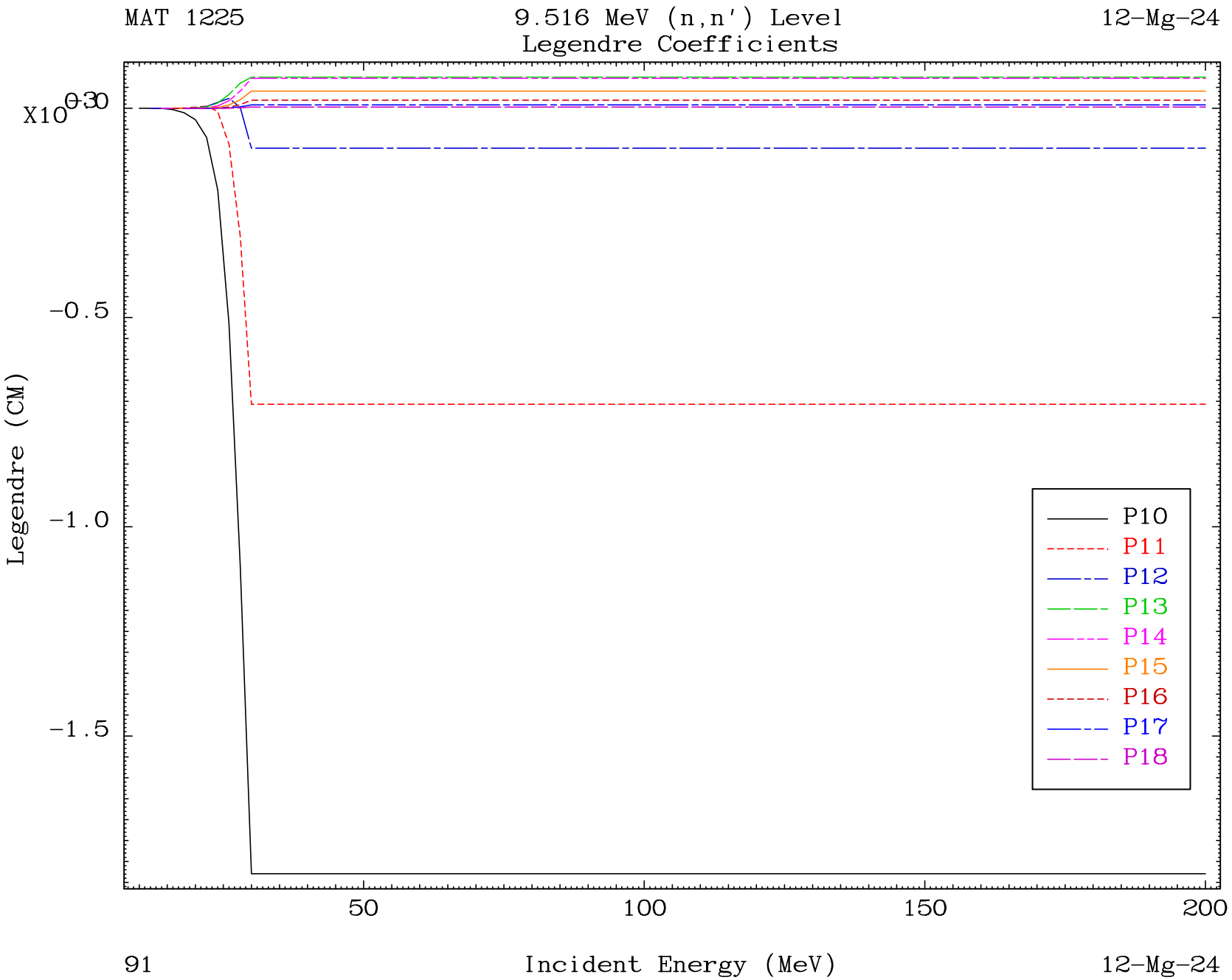

MAT 1225
9.305 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
4
3
2
1
0
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
86
Incident Energy (MeV)
12-Mg-24

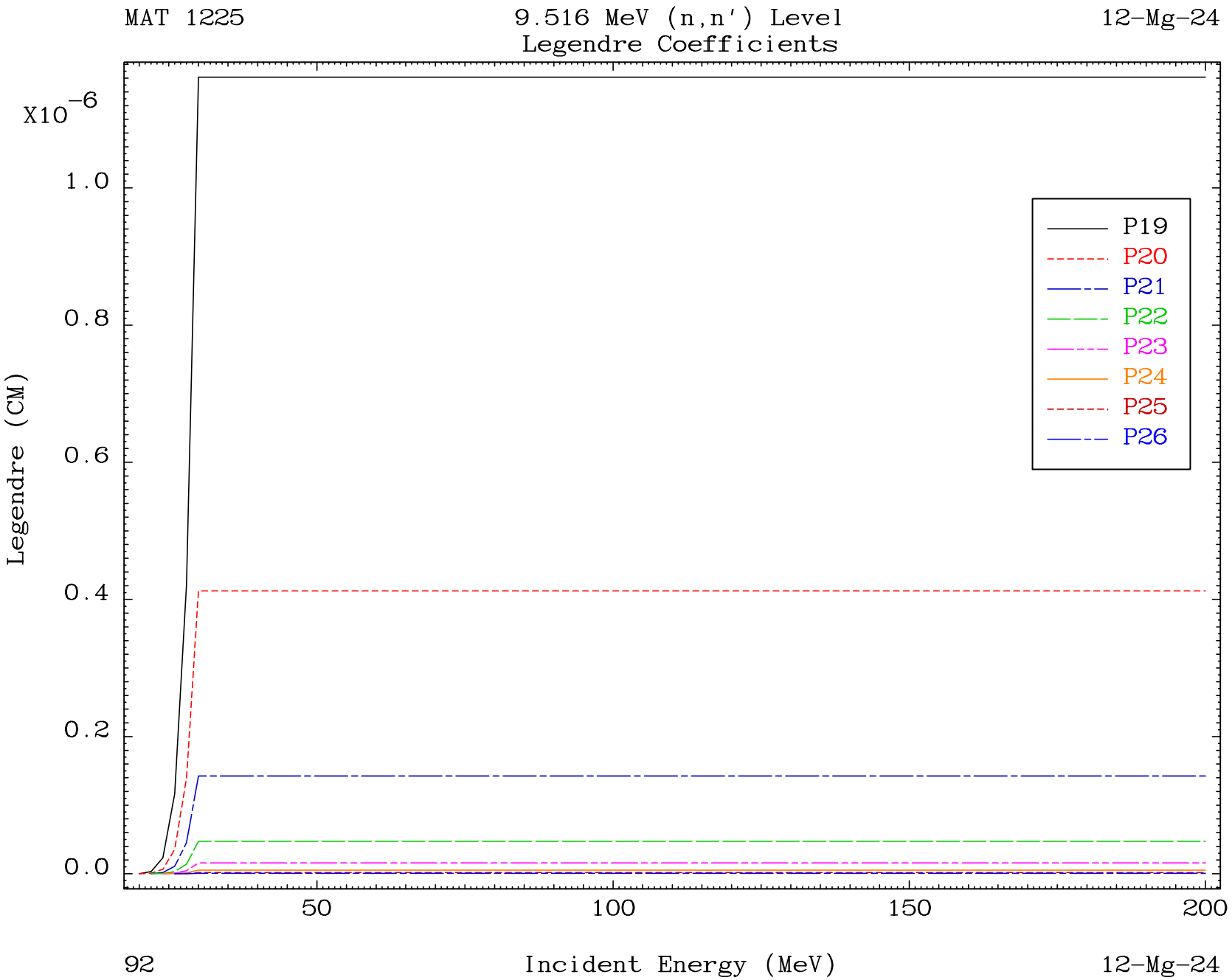

MAT 1225
9.458 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
50
100
150
200
87
Incident Energy (MeV)
12-Mg-24

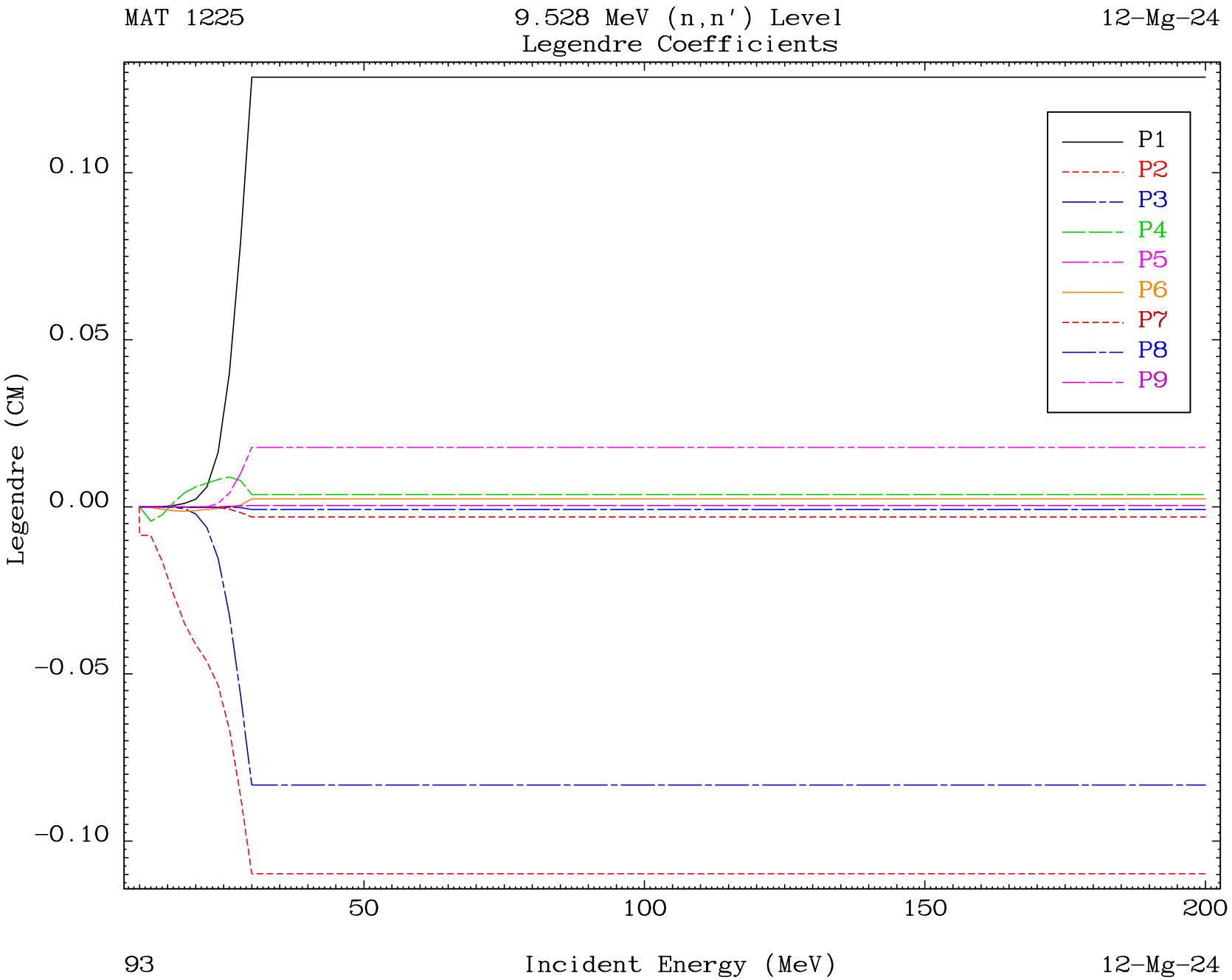

MAT 1225
9.458 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-4
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
88
Incident Energy (MeV)
12-Mg-24
P9
P10
P11
P12
P13
P14
P15
P16

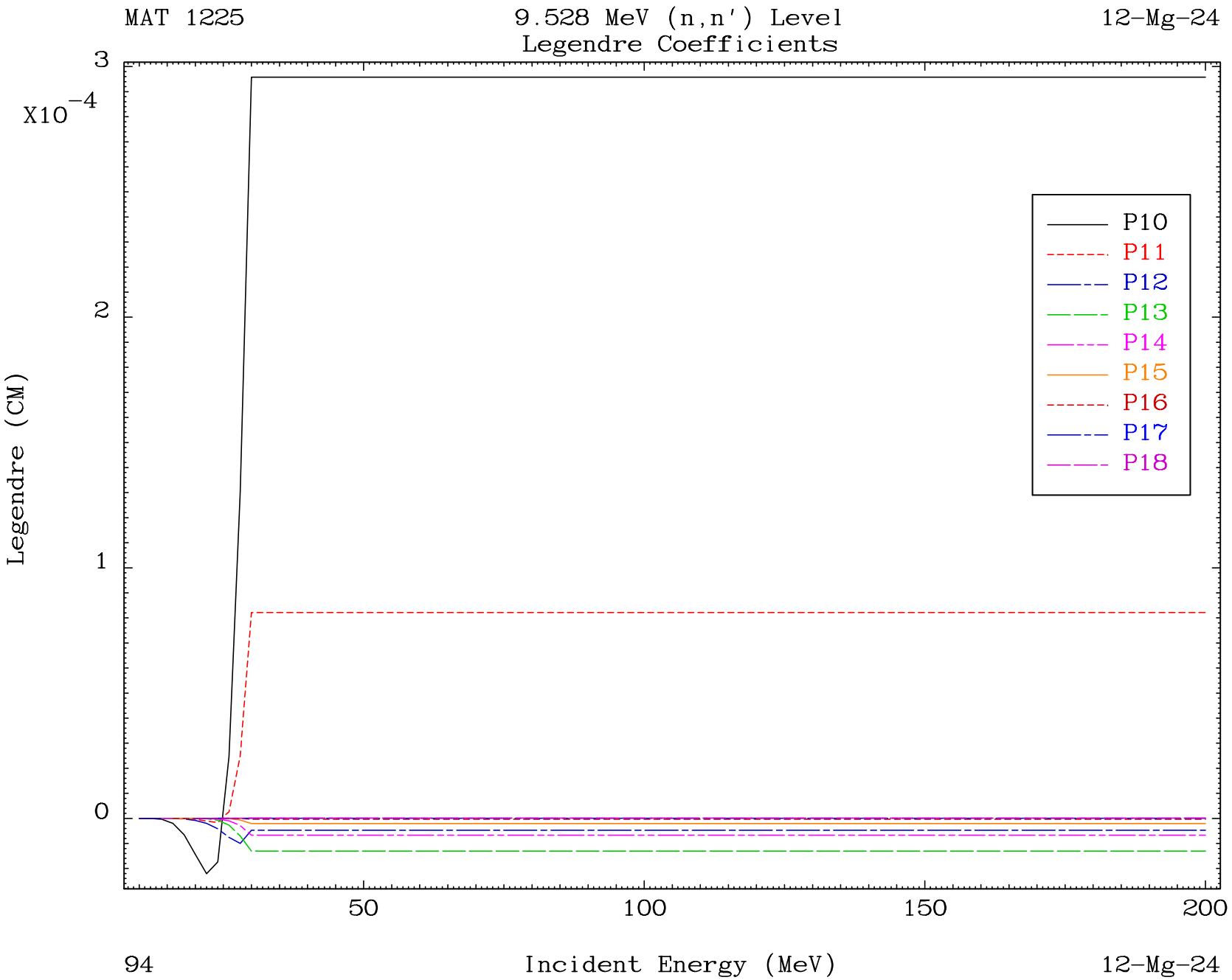

MAT 1225
9.458 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
6
4
2
0
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
12-Mg-24
P17
P18
P19
P20
P21
P22
P23
P24

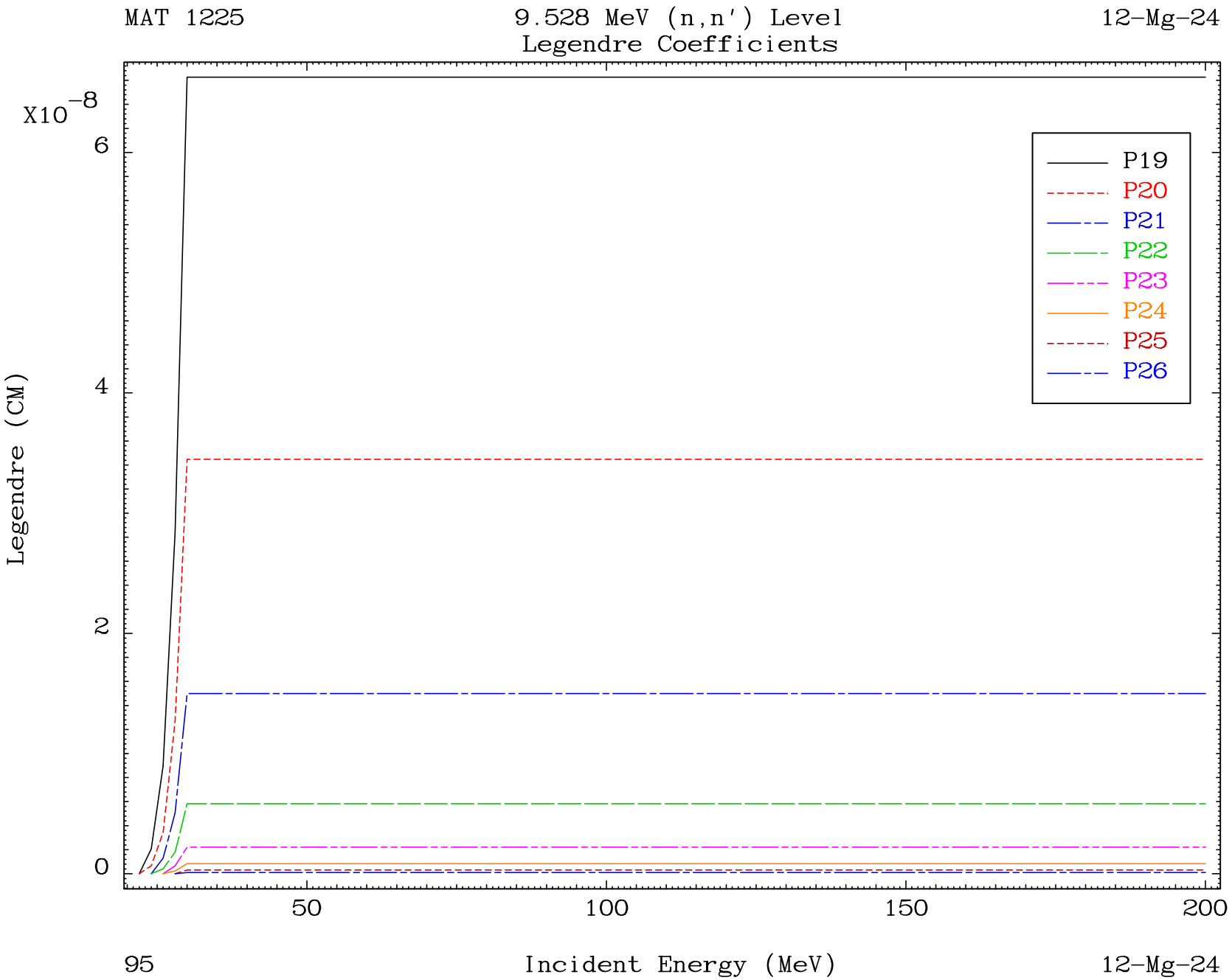

MAT 1225
9.516 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
50
100
150
200
90
Incident Energy (MeV)
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9

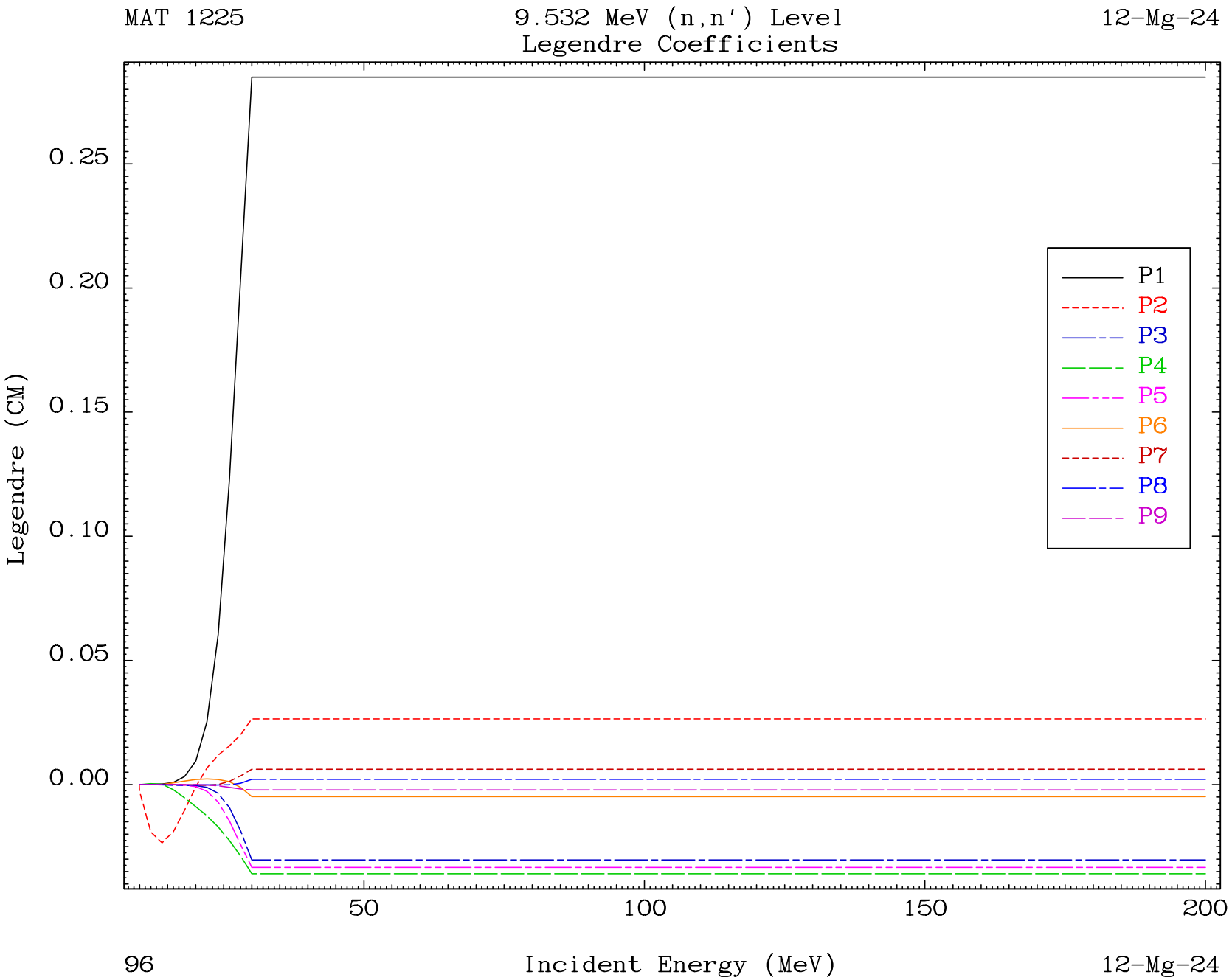

MAT 1225
9.516 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-3
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
91
Incident Energy (MeV)
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18

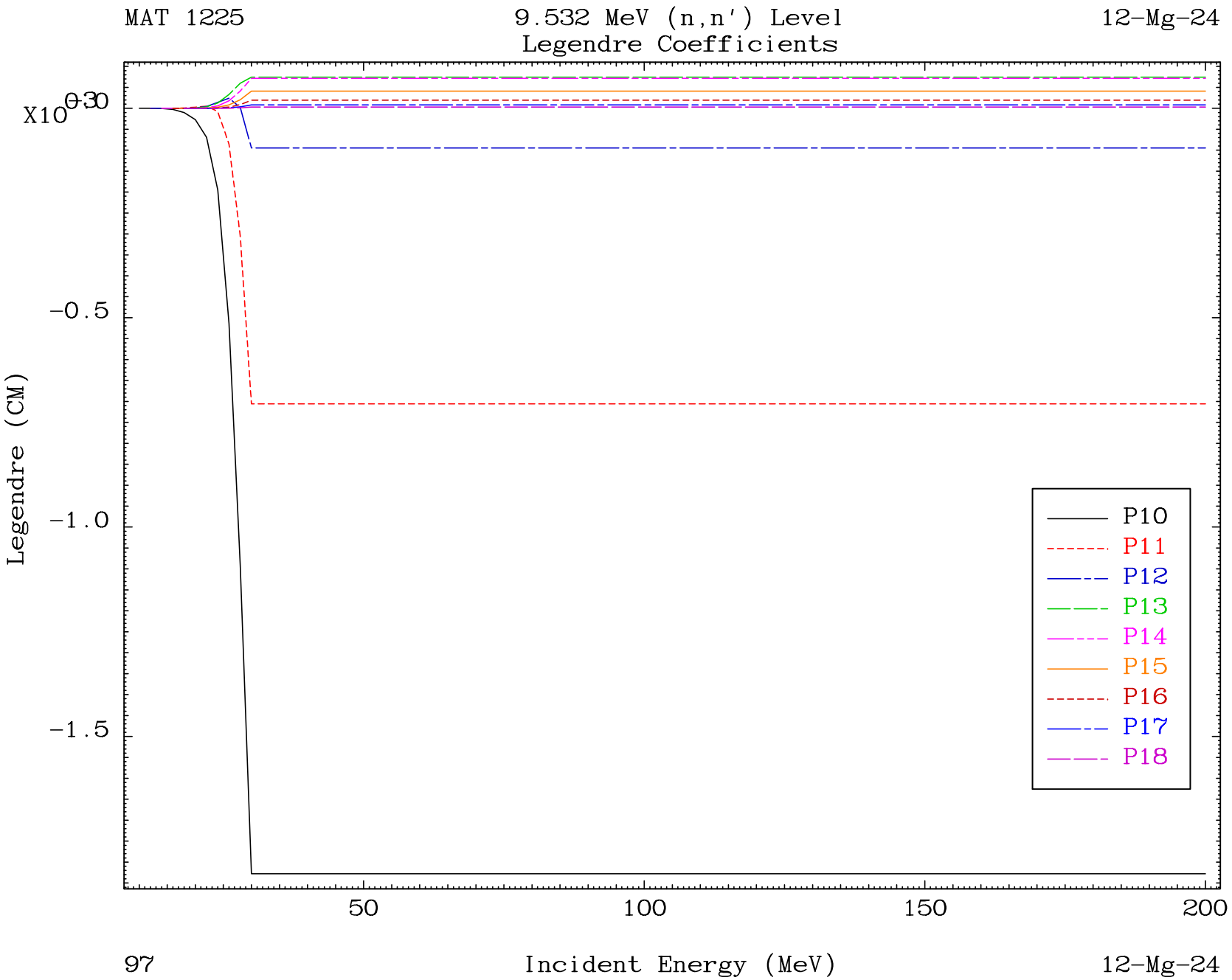

MAT 1225
9.516 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
92
Incident Energy (MeV)
12-Mg-24

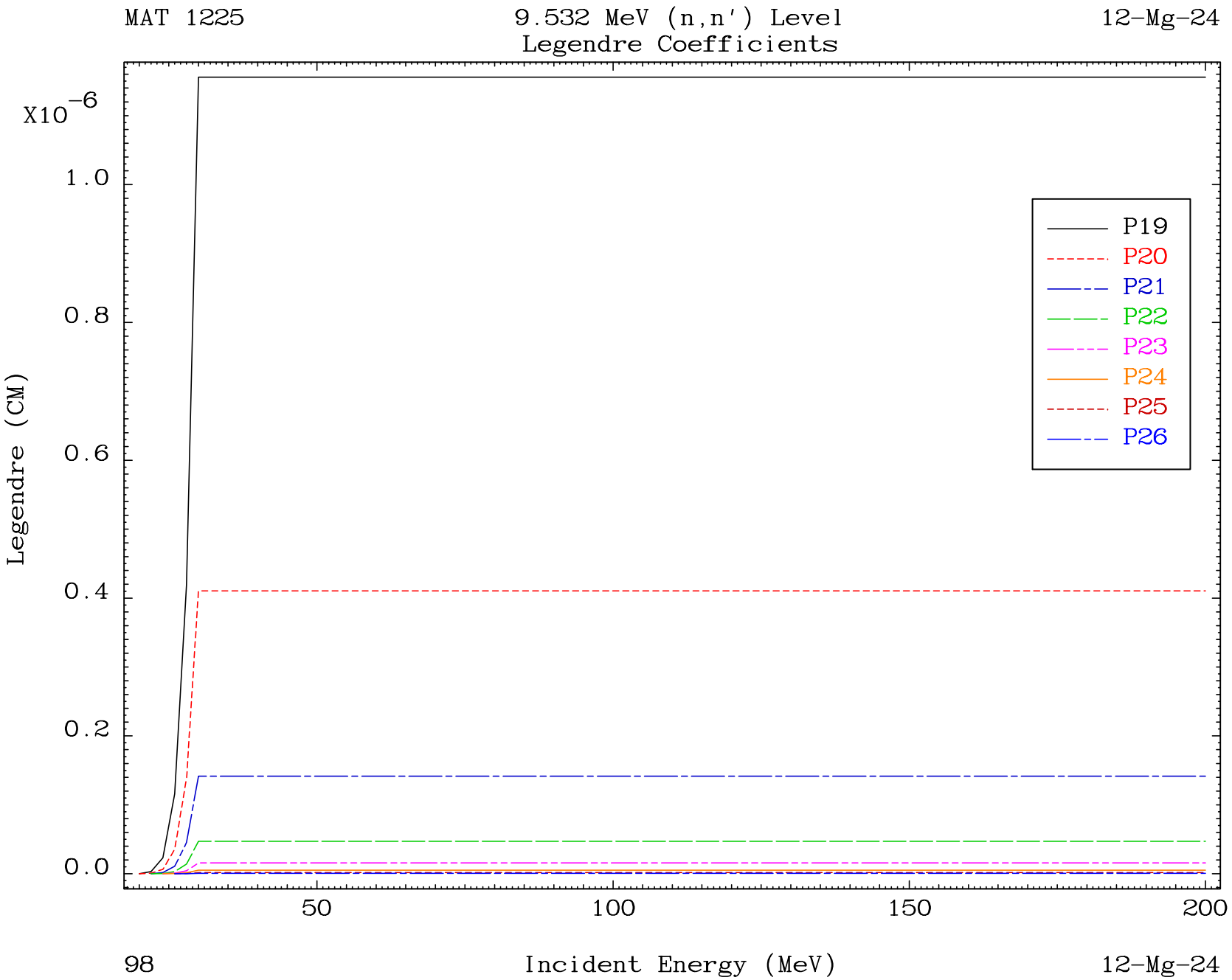

MAT 1225
9.528 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.10
0.05
0.00
-0.05
-0.10
Legendre (CM)
50
100
150
200
93
Incident Energy (MeV)
12-Mg-24


MAT 1225
9.528 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
94
Incident Energy (MeV)
12-Mg-24


MAT 1225
9.528 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10-8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
95
Incident Energy (MeV)
12-Mg-24


MAT 1225
9.532 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
96
Incident Energy (MeV)
12-Mg-24


MAT 1225
9.532 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^0.30
0.5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
97
Incident Energy (MeV)
12-Mg-24
P10
P11
P12
P13
P14
P15
P16
P17
P18


MAT 1225
9.532 MeV (n,n') Level
Legendre Coefficients
12-Mg-24
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
98
Incident Energy (MeV)
12-Mg-24