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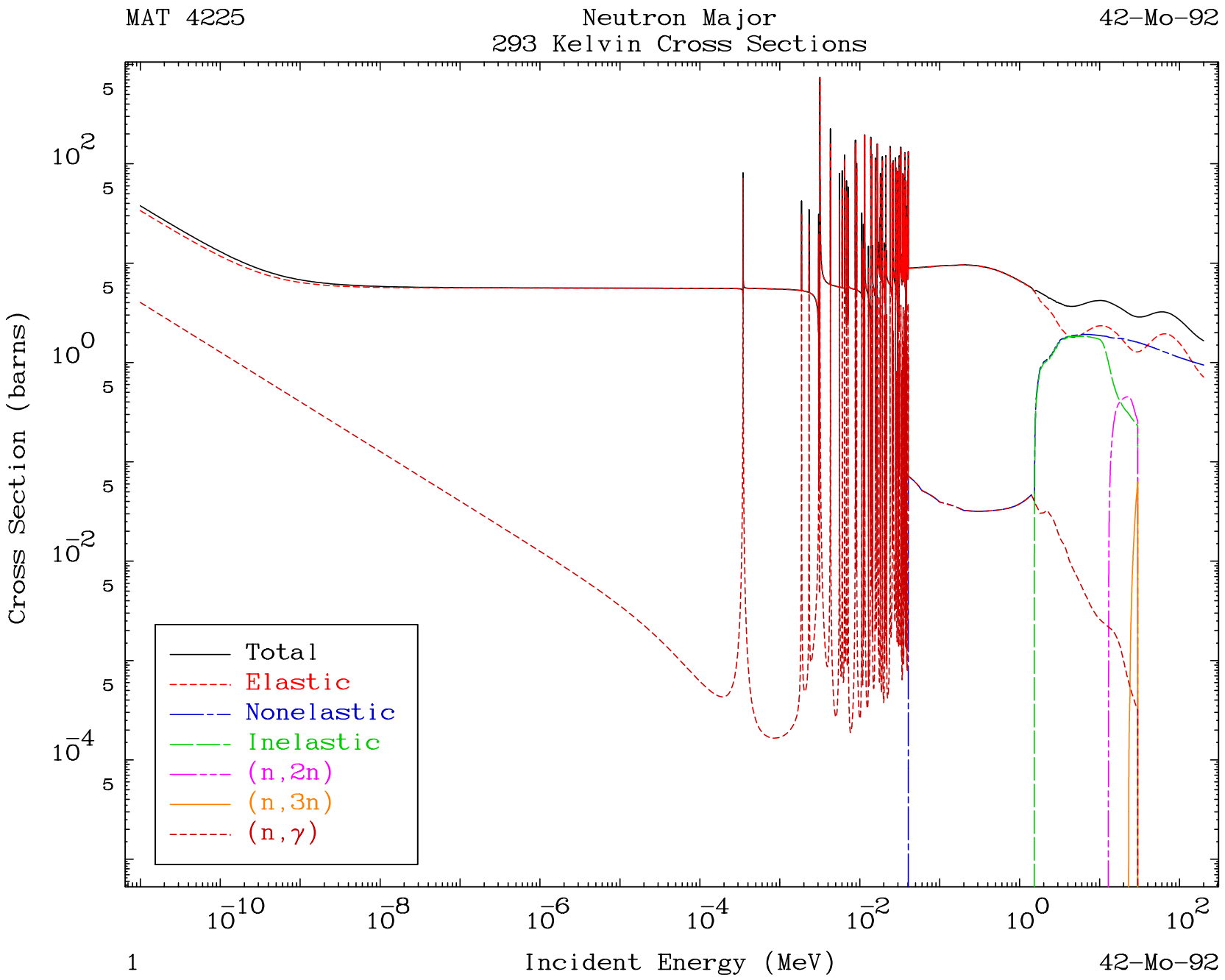
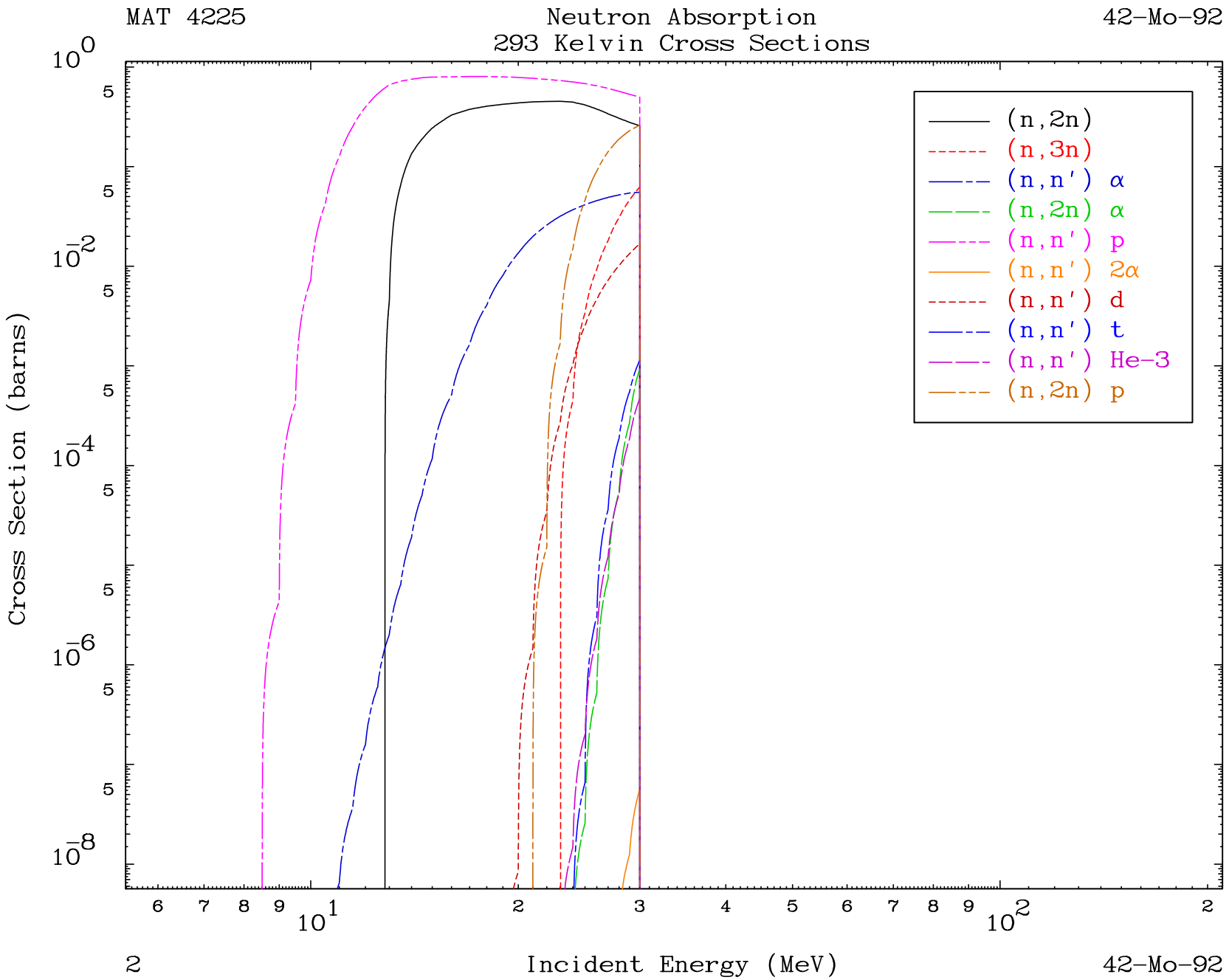
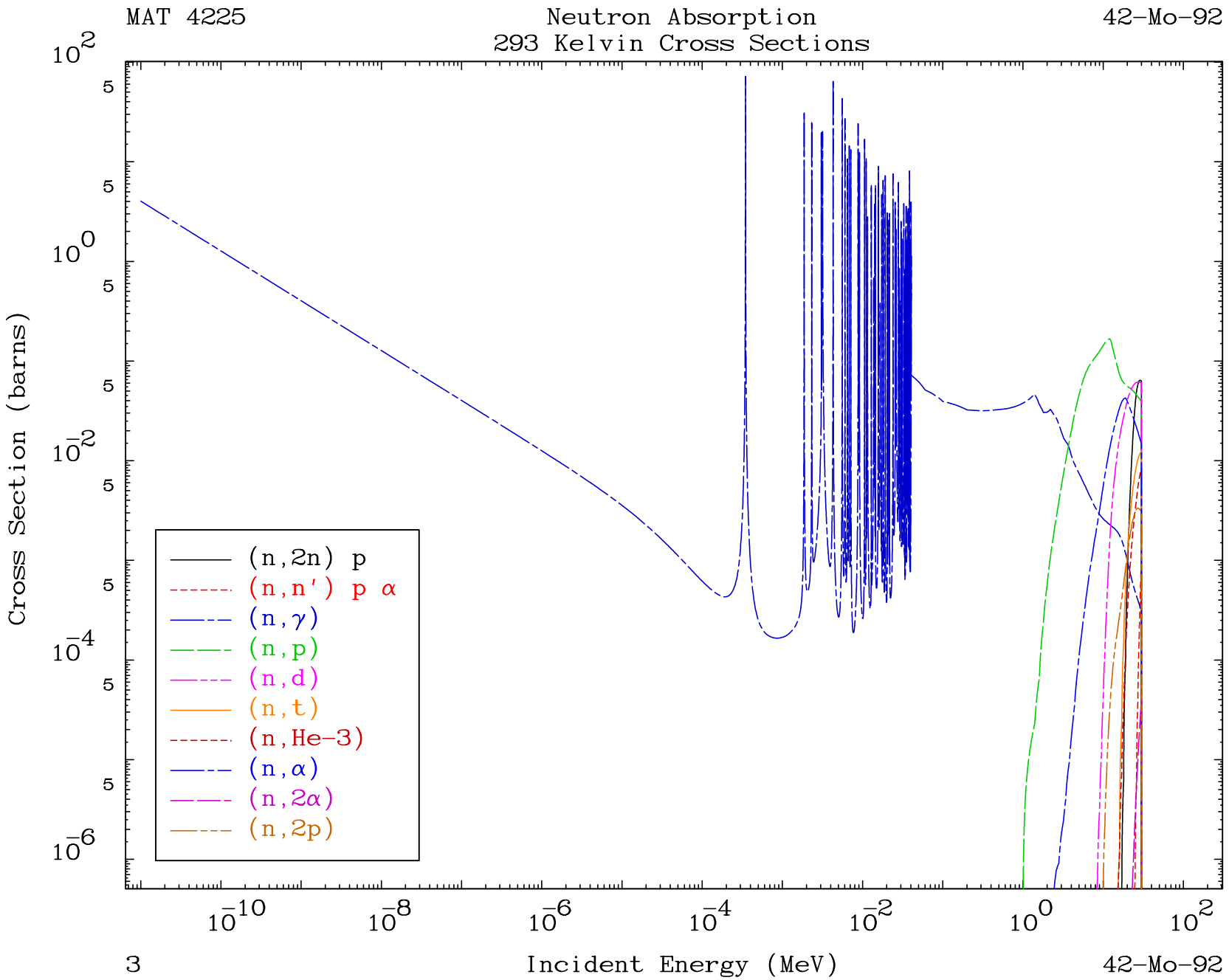
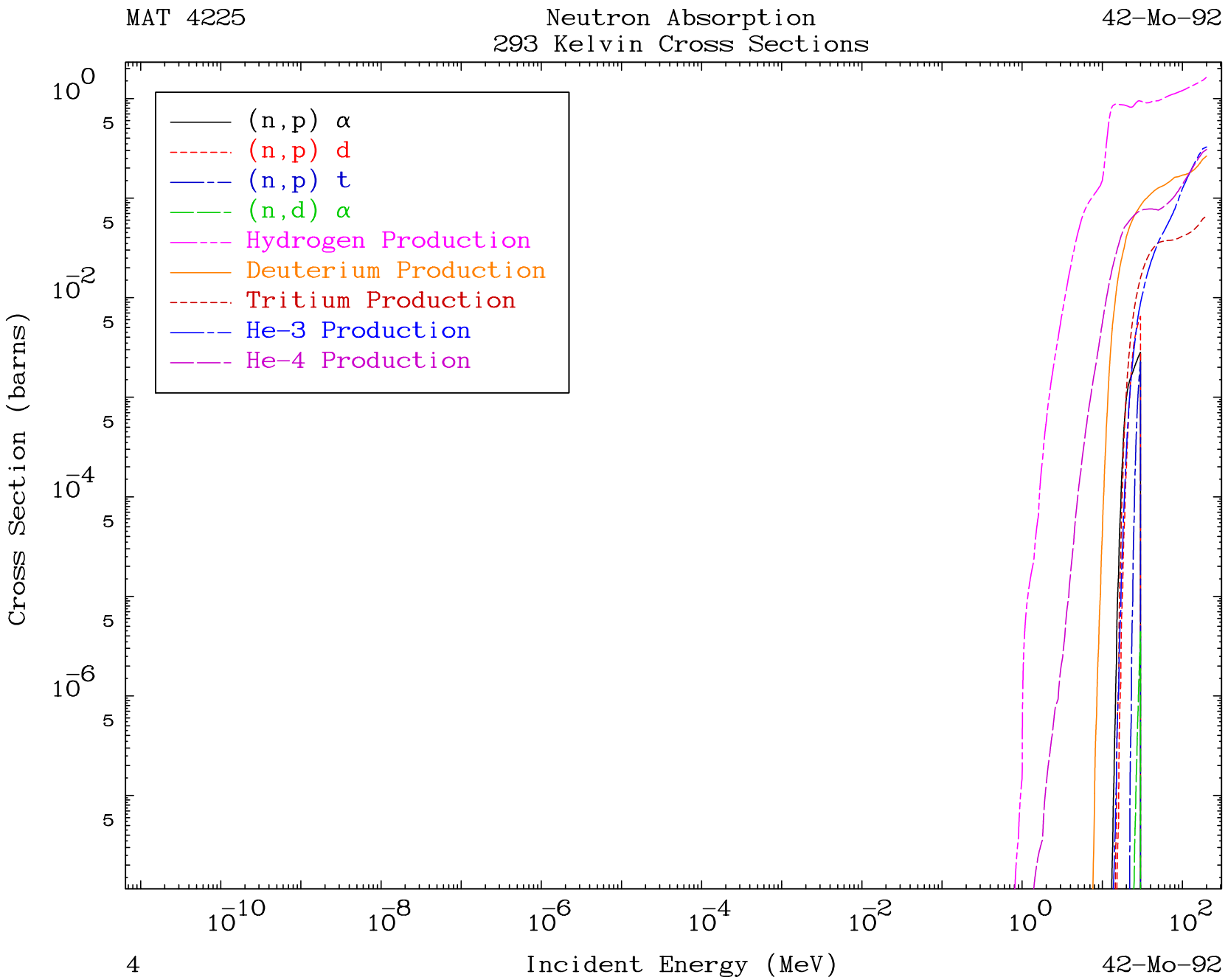
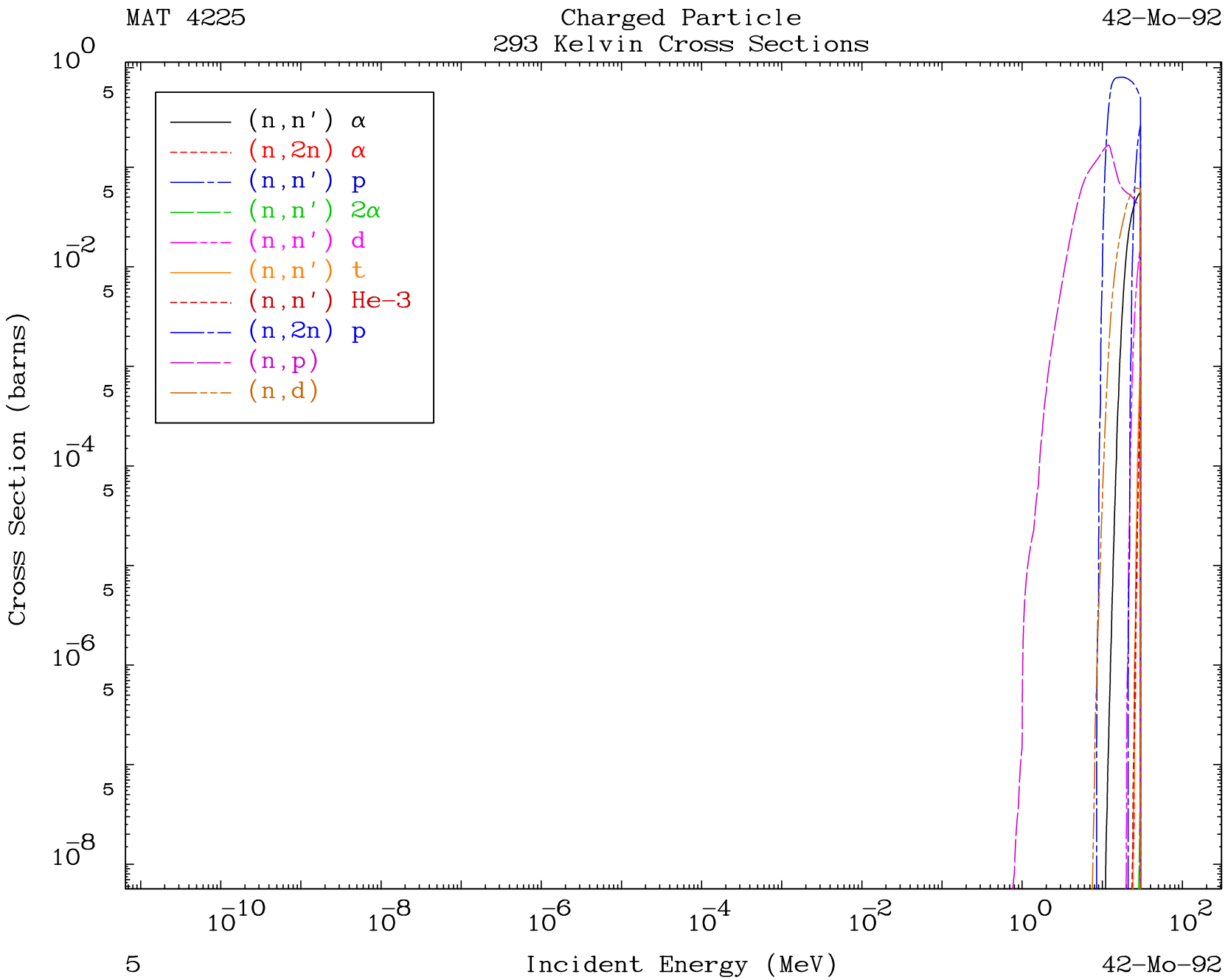
Press Mouse Button to Start

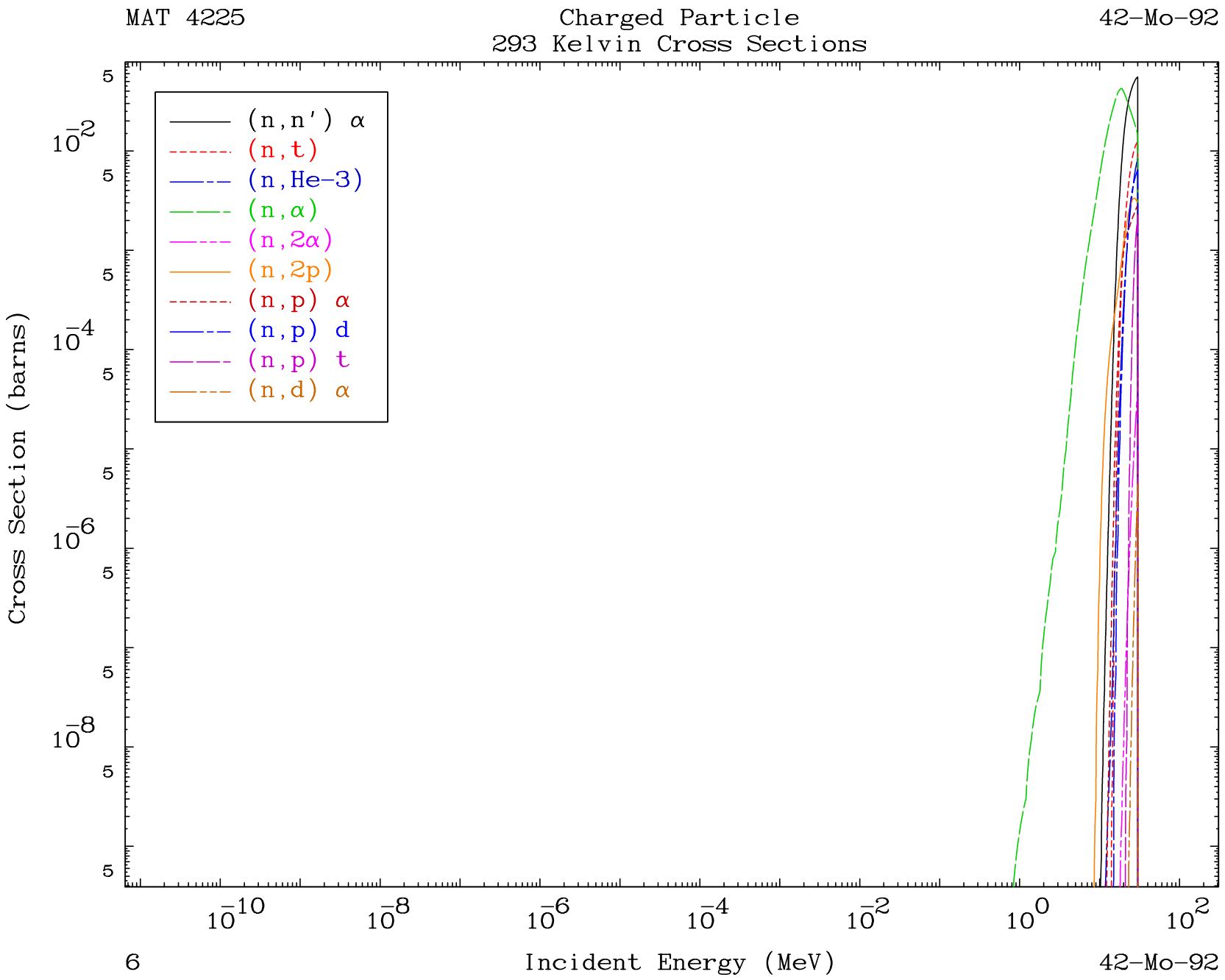

MAT 4225
Neutron Major
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
42-Mo-92

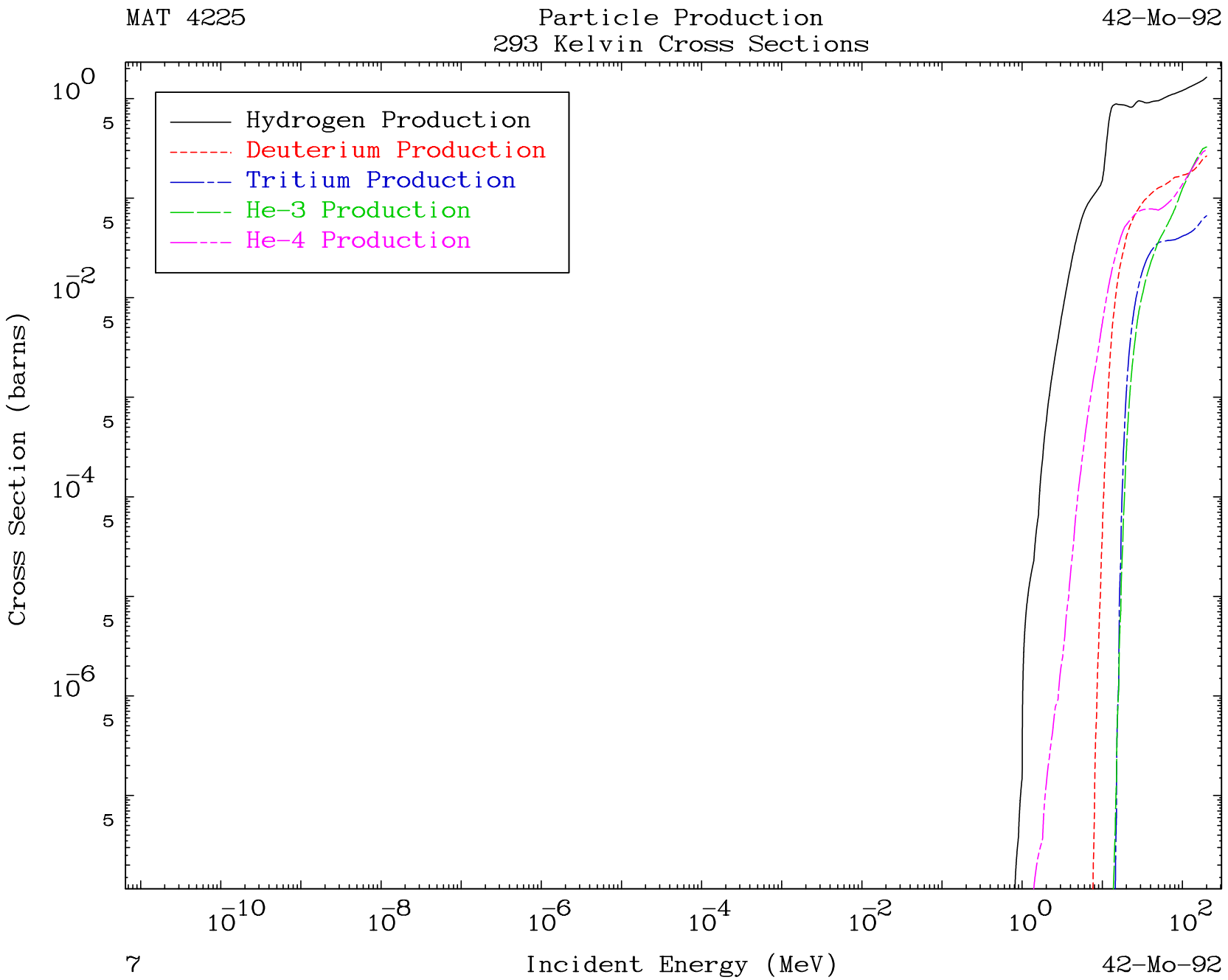

MAT 4225
Neutron Absorption
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
42-Mo-92
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p

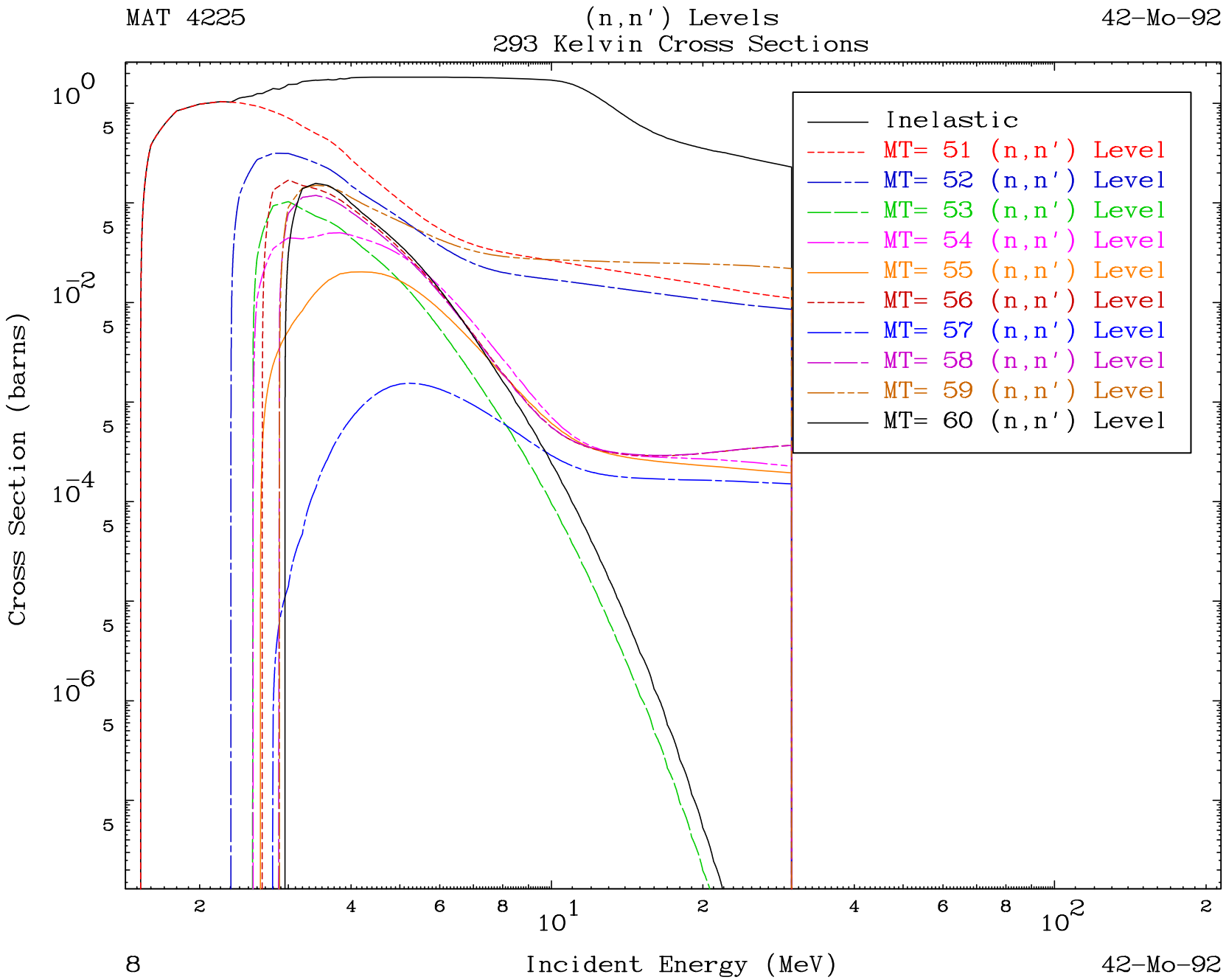

MAT 4225
Neutron Absorption
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
3
42-Mo-92

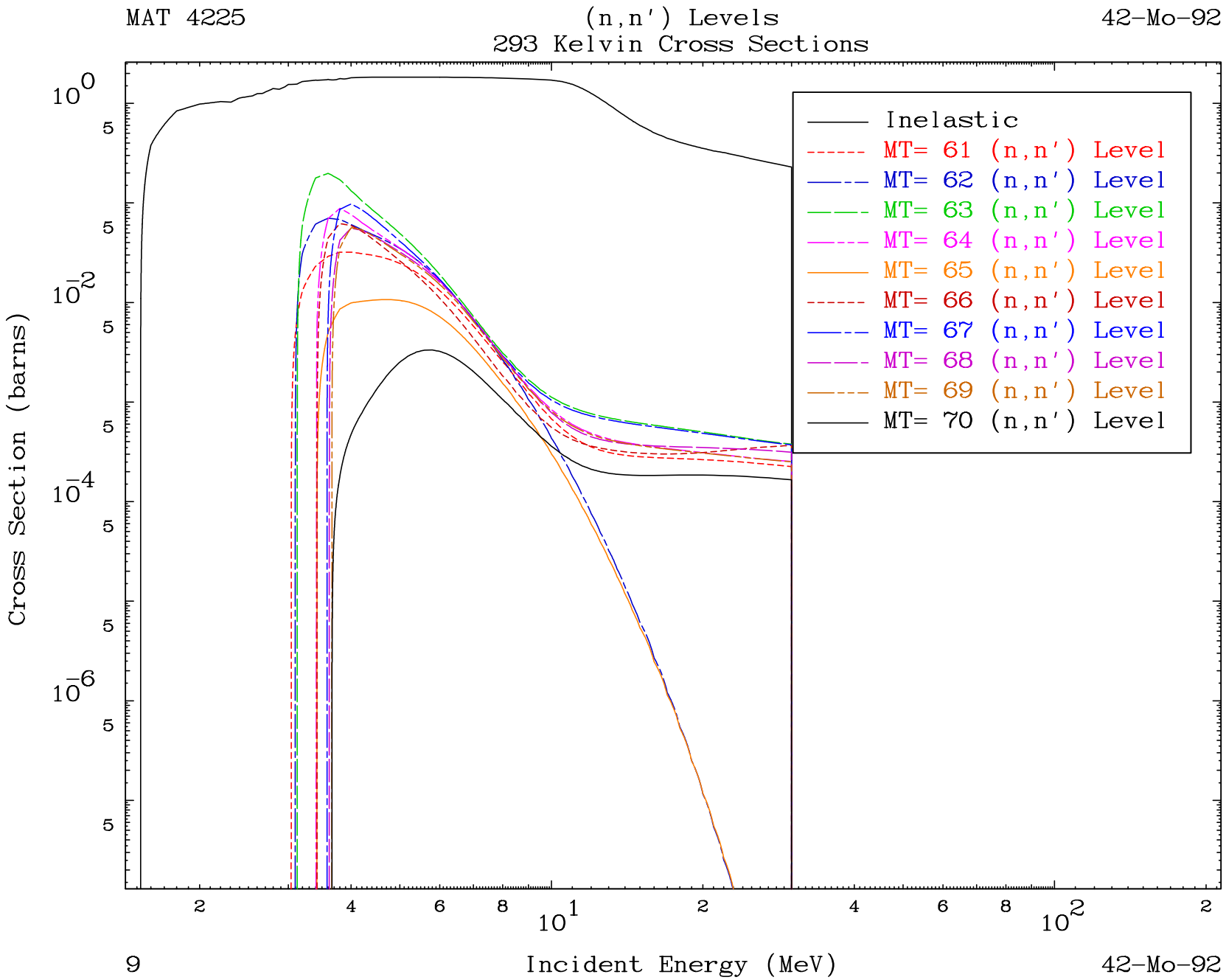

MAT 4225
Neutron Absorption
293 Kelvin Cross Sections
42-Mo-92
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-92

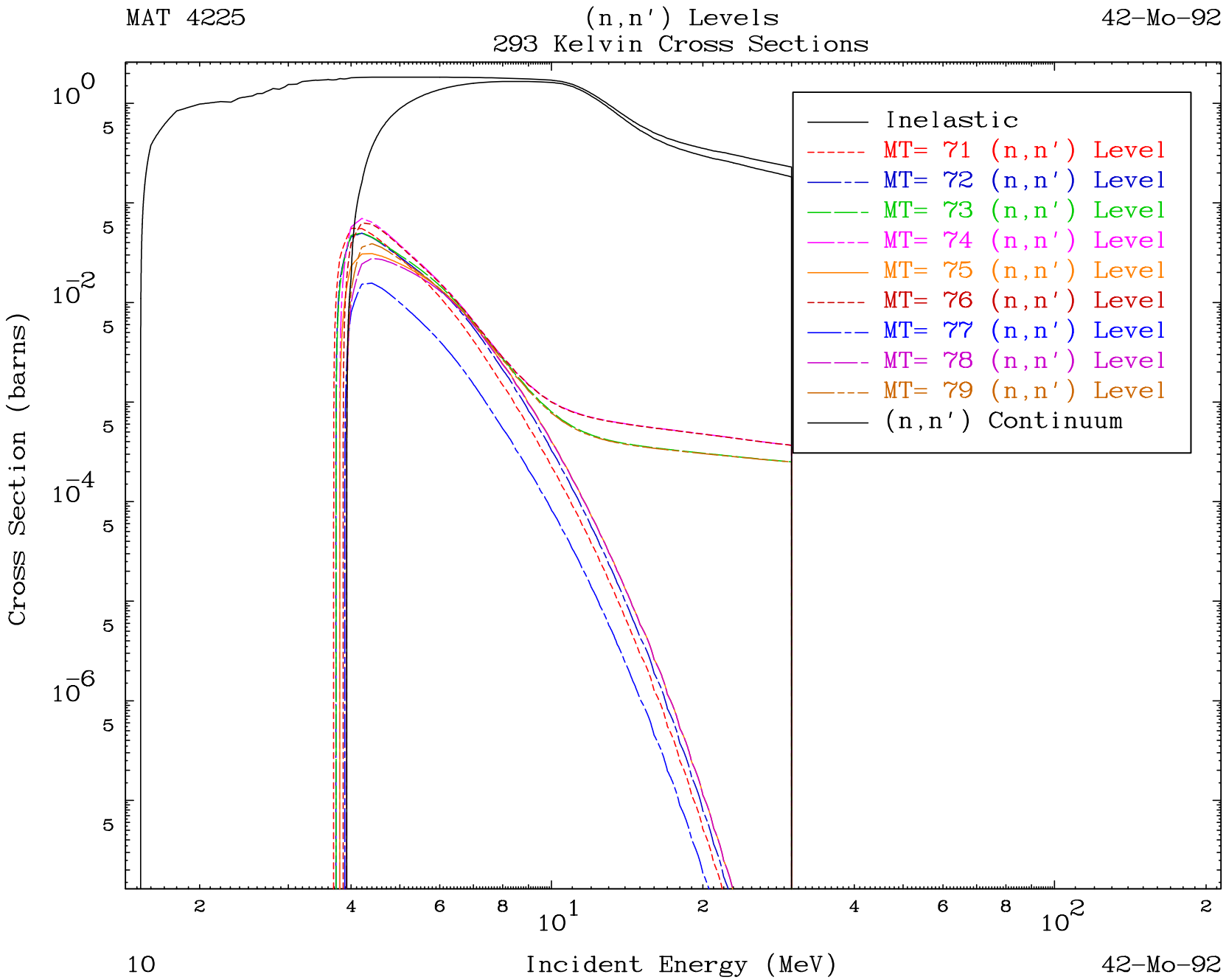

MAT 4225
Charged Particle
293 Kelvin Cross Sections
42-Mo-92
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-92
5

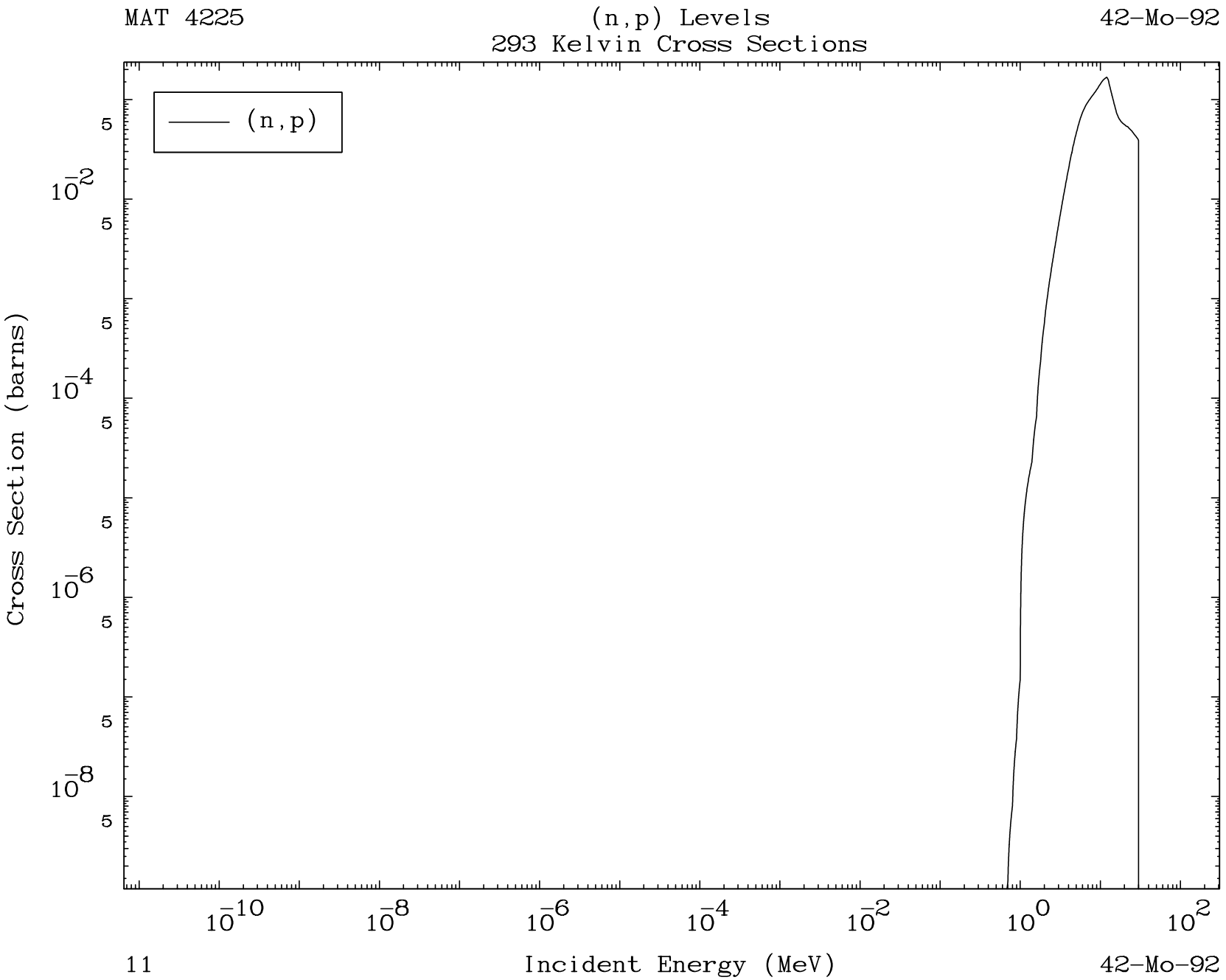

MAT 4225
Charged Particle
293 Kelvin Cross Sections
42-Mo-92
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-92

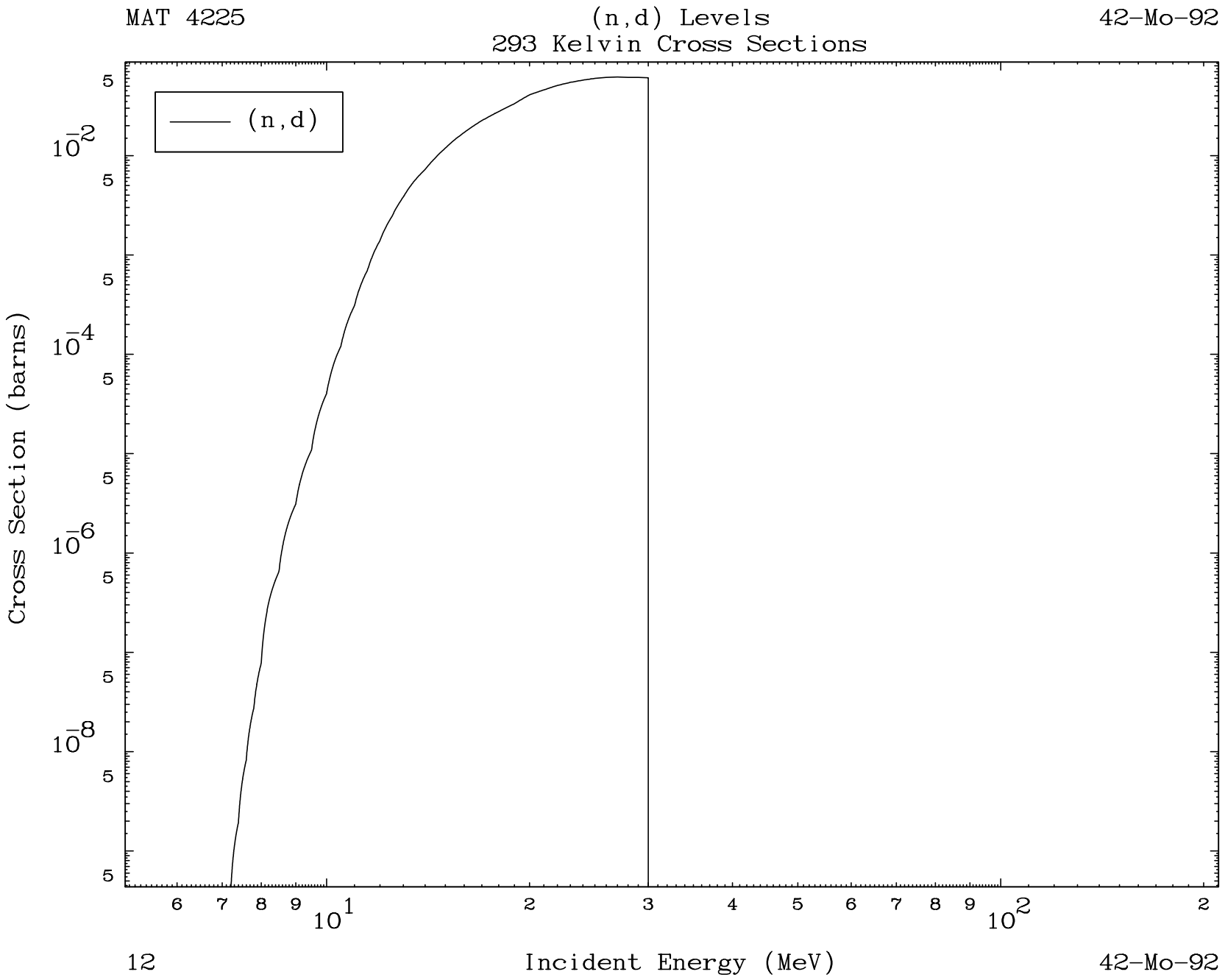

MAT 4225
Particle Production
293 Kelvin Cross Sections
42-Mo-92
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-92

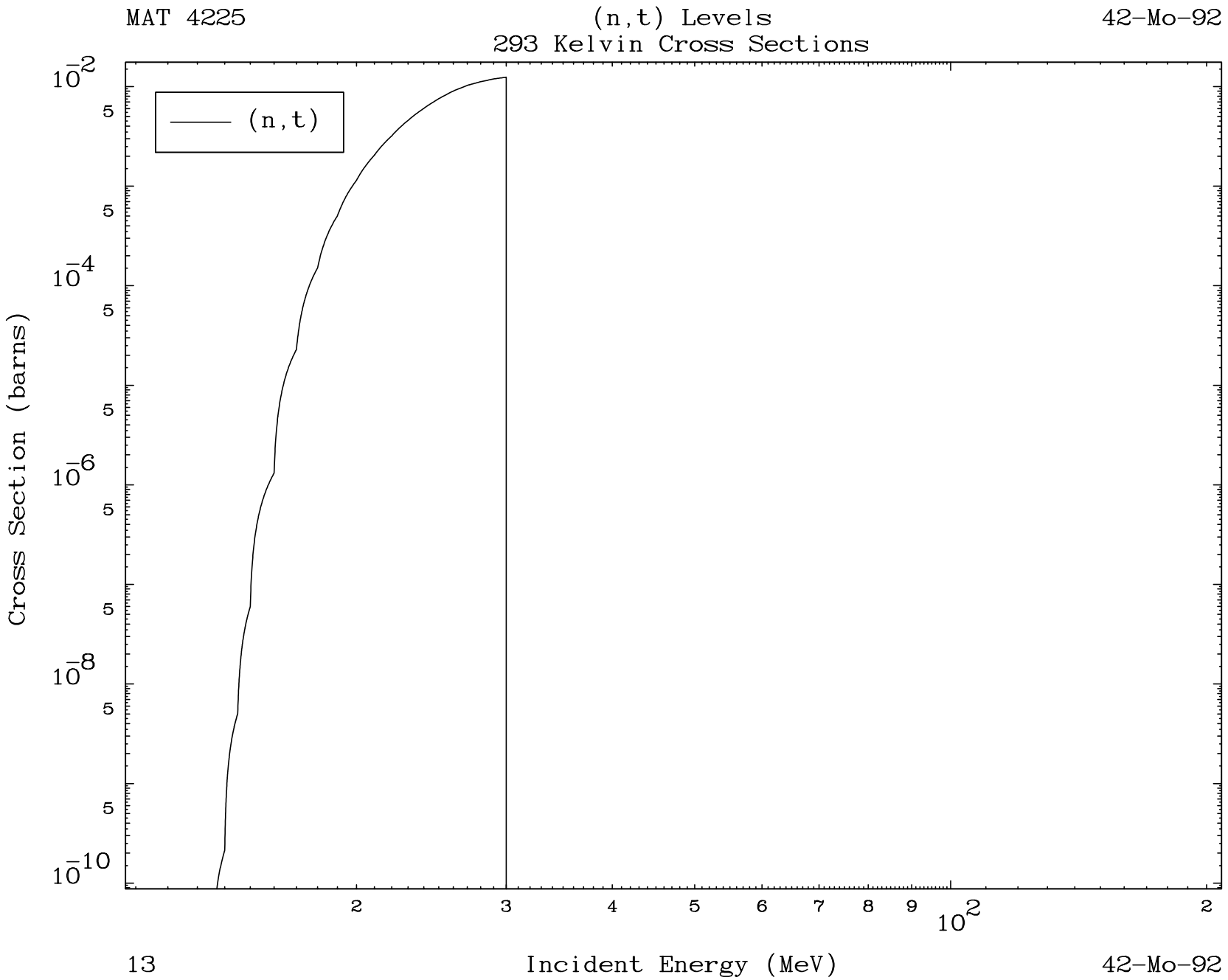

MAT 4225
(n,n') Levels
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
8
42-Mo-92

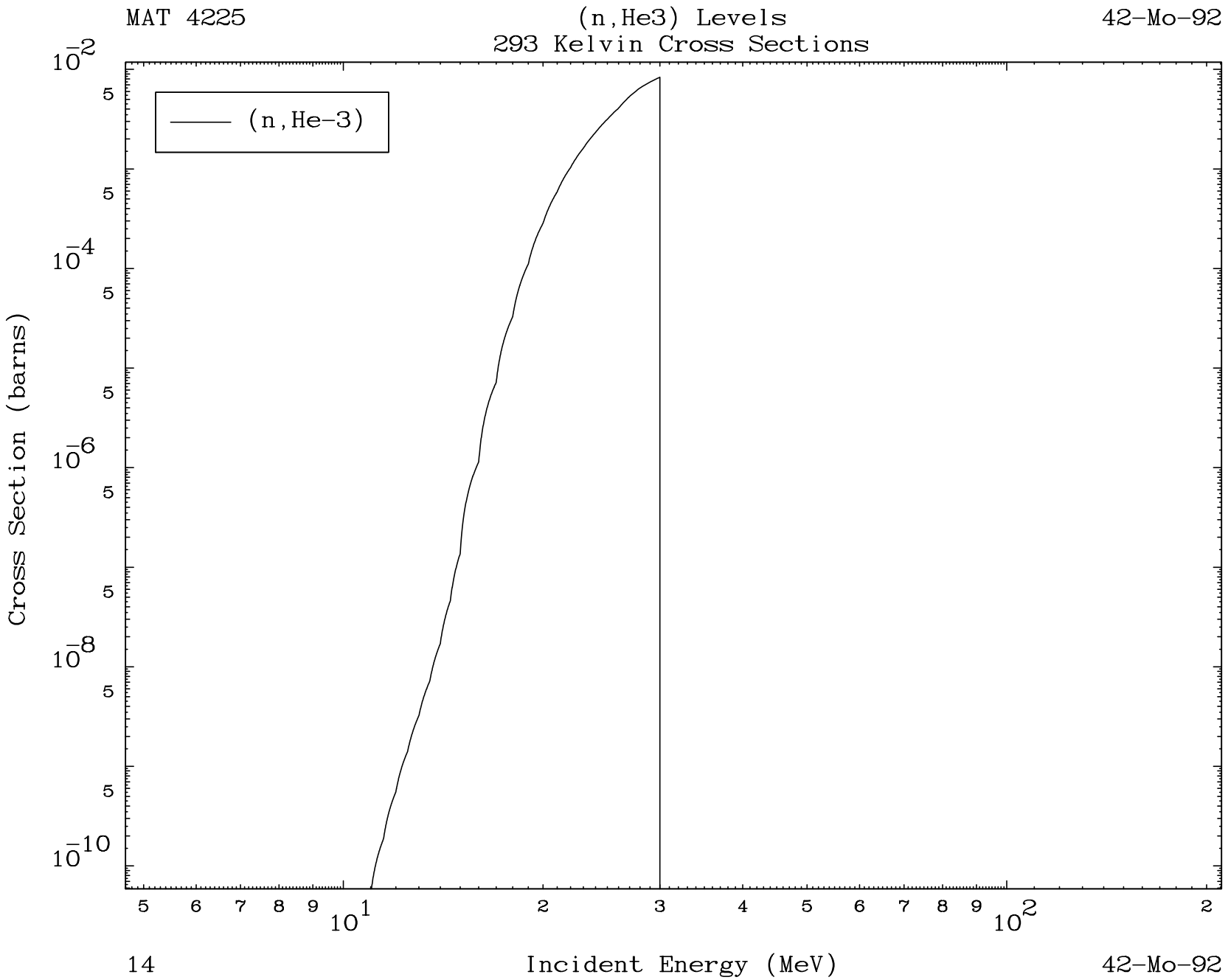

MAT 4225
(n,n') Levels
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
9
42-Mo-92

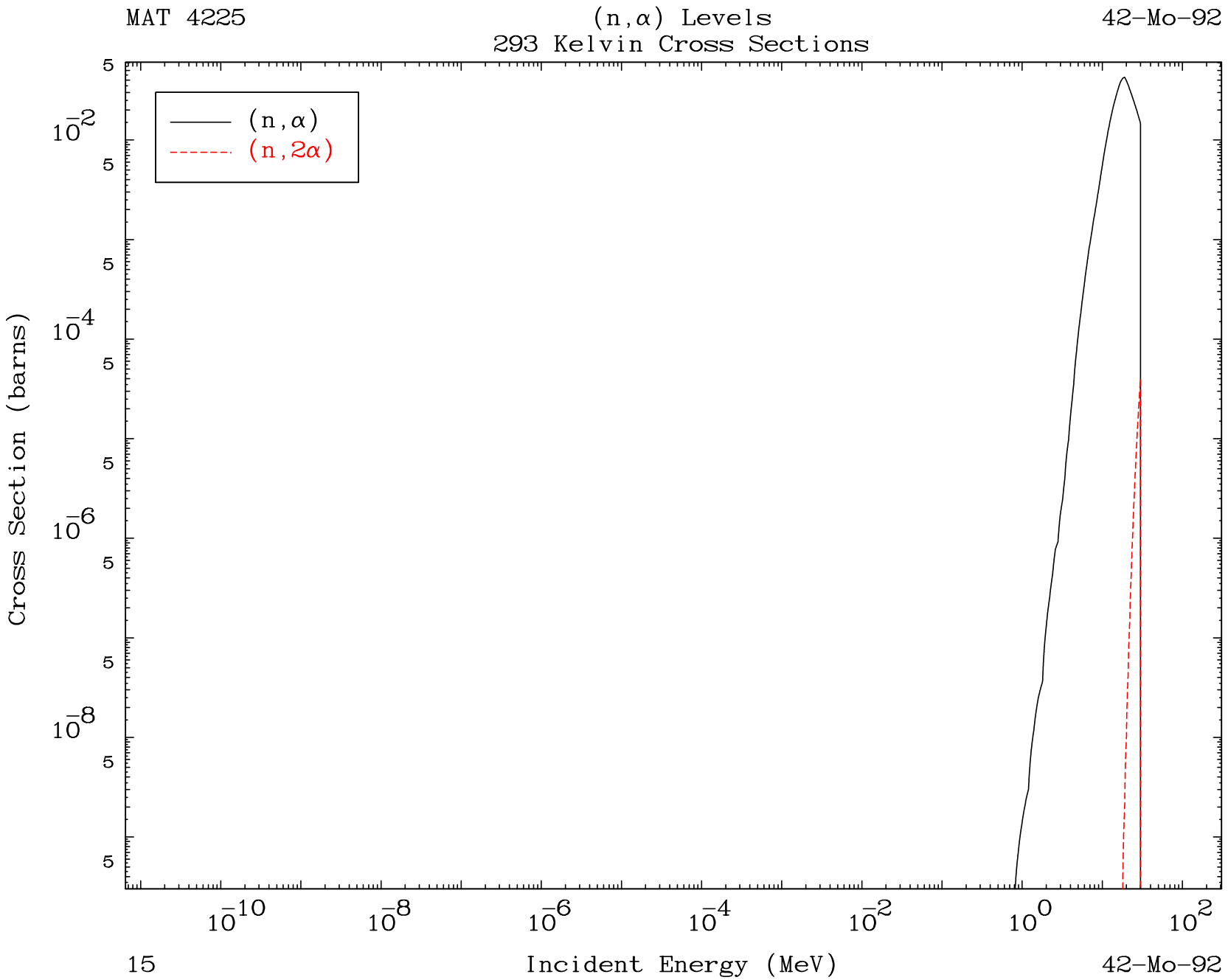

MAT 4225
(n,n') Levels
293 Kelvin Cross Sections
42-Mo-92
Cross Section (barns)
Incident Energy (MeV)
42-Mo-92
Inelastic
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
(n,n') Continuum

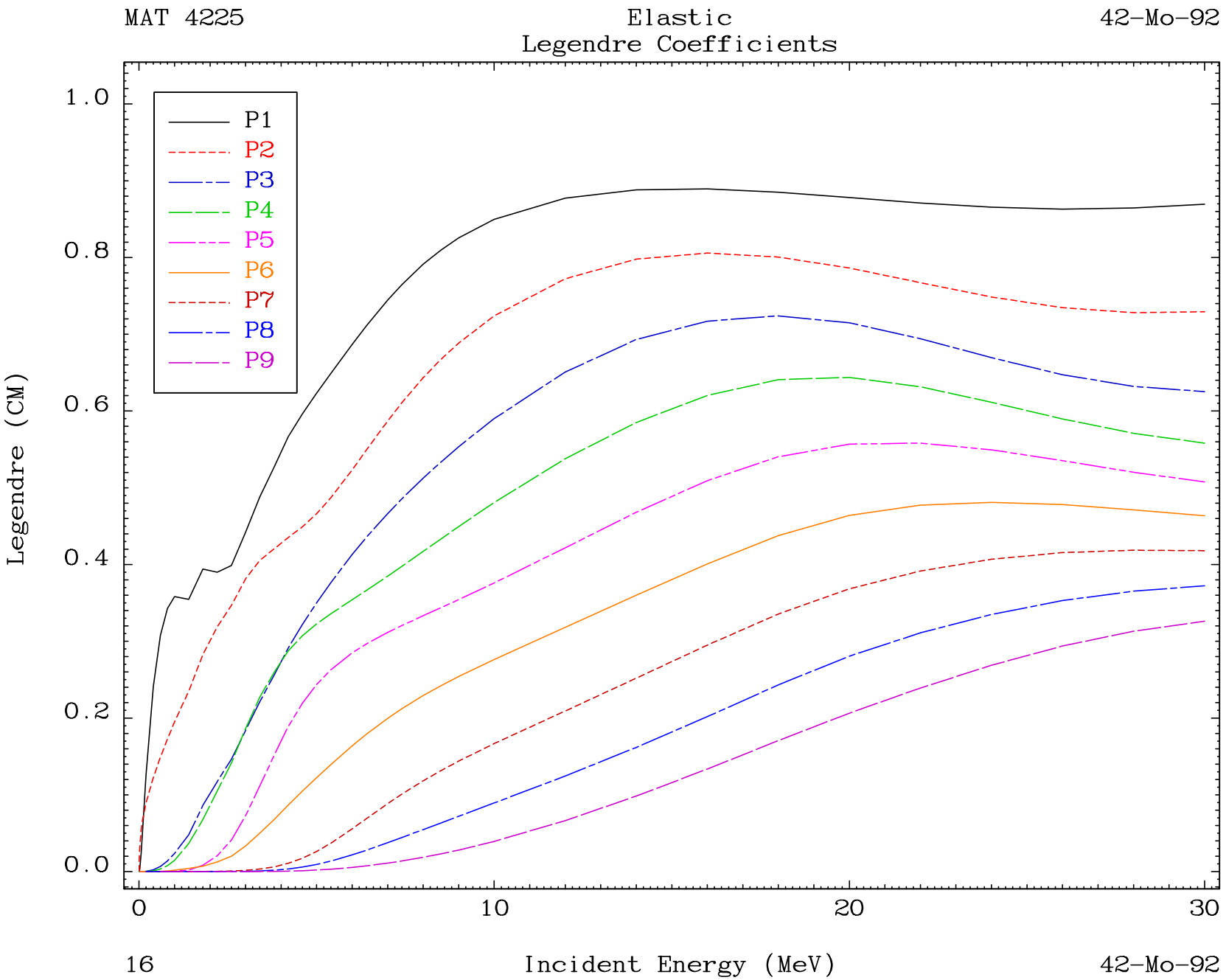

MAT 4225
(n,p) Levels
42-Mo-92
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-92

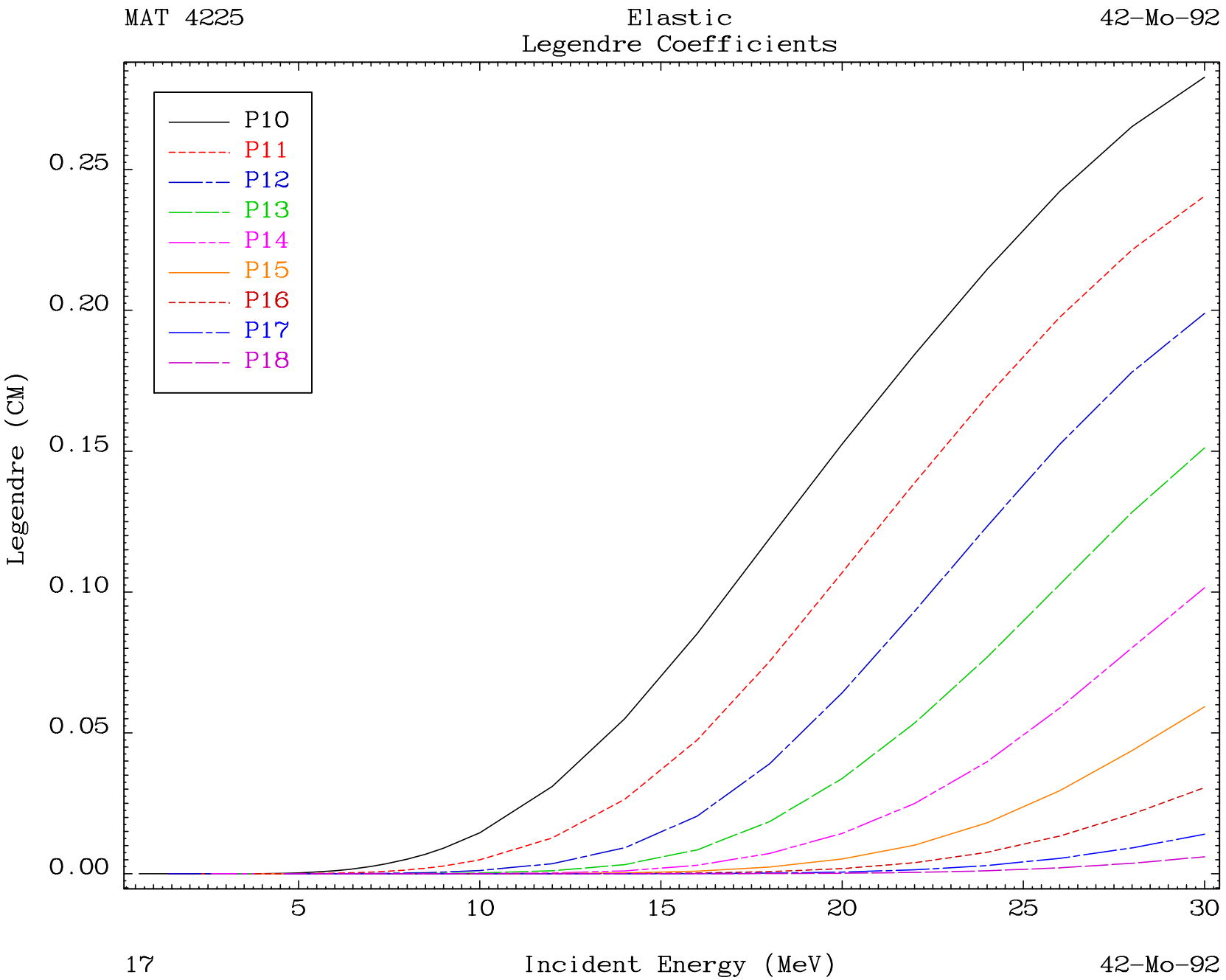

MAT 4225
(n,d) Levels
42-Mo-92
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
42-Mo-92

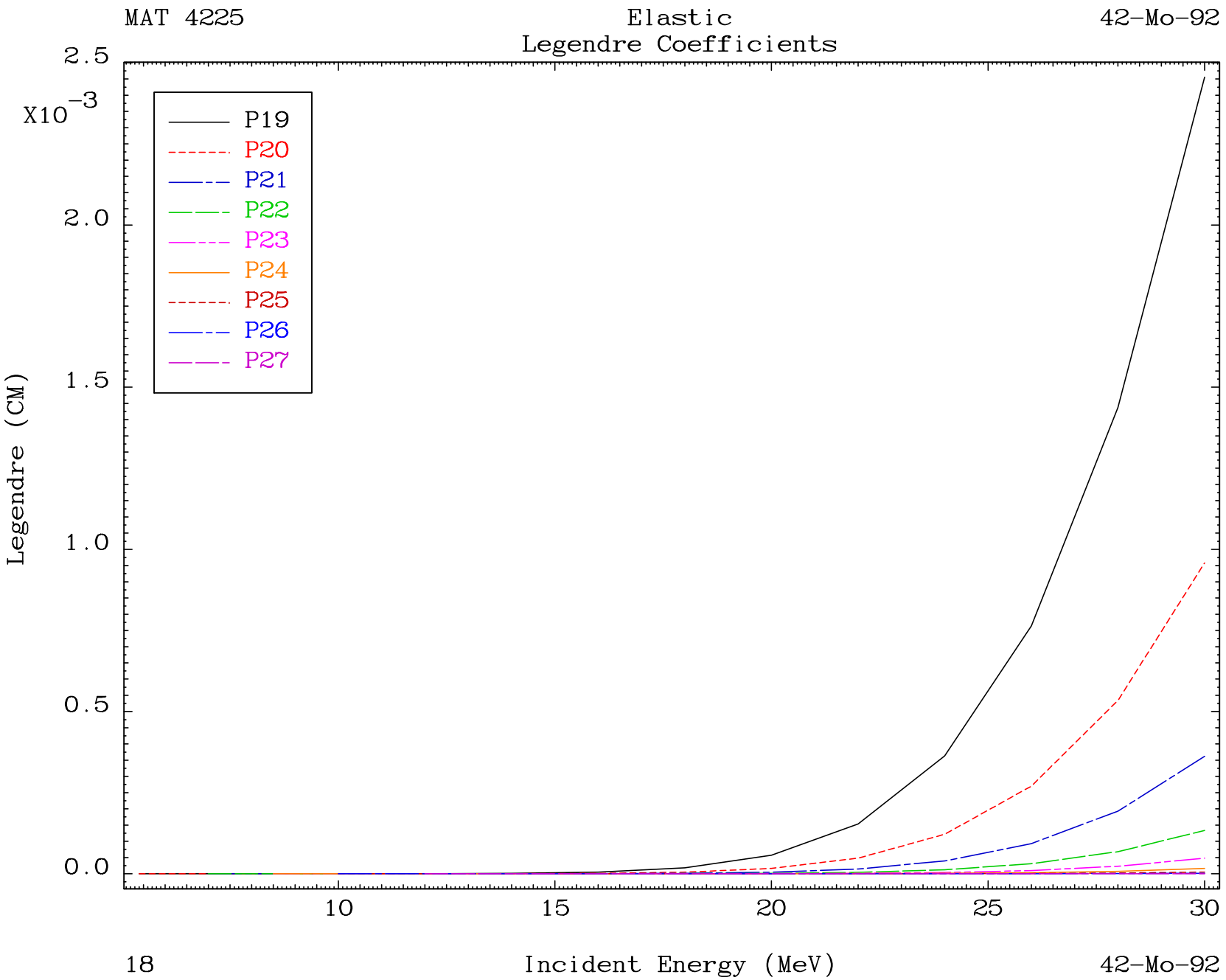

MAT 4225
(n,t) Levels
42-Mo-92
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
42-Mo-92

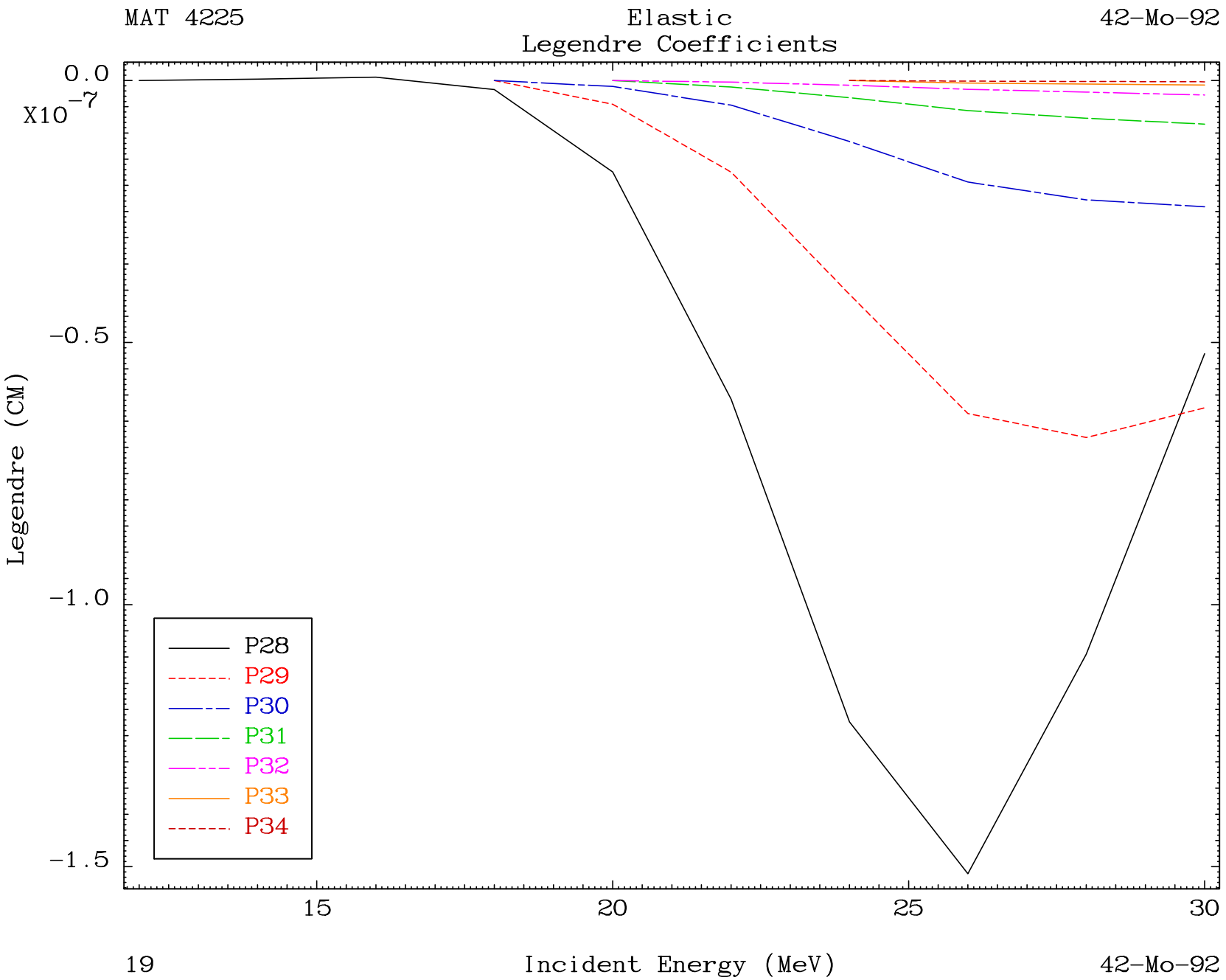

MAT 4225
(n,He3) Levels
42-Mo-92
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
14
Incident Energy (MeV)
42-Mo-92

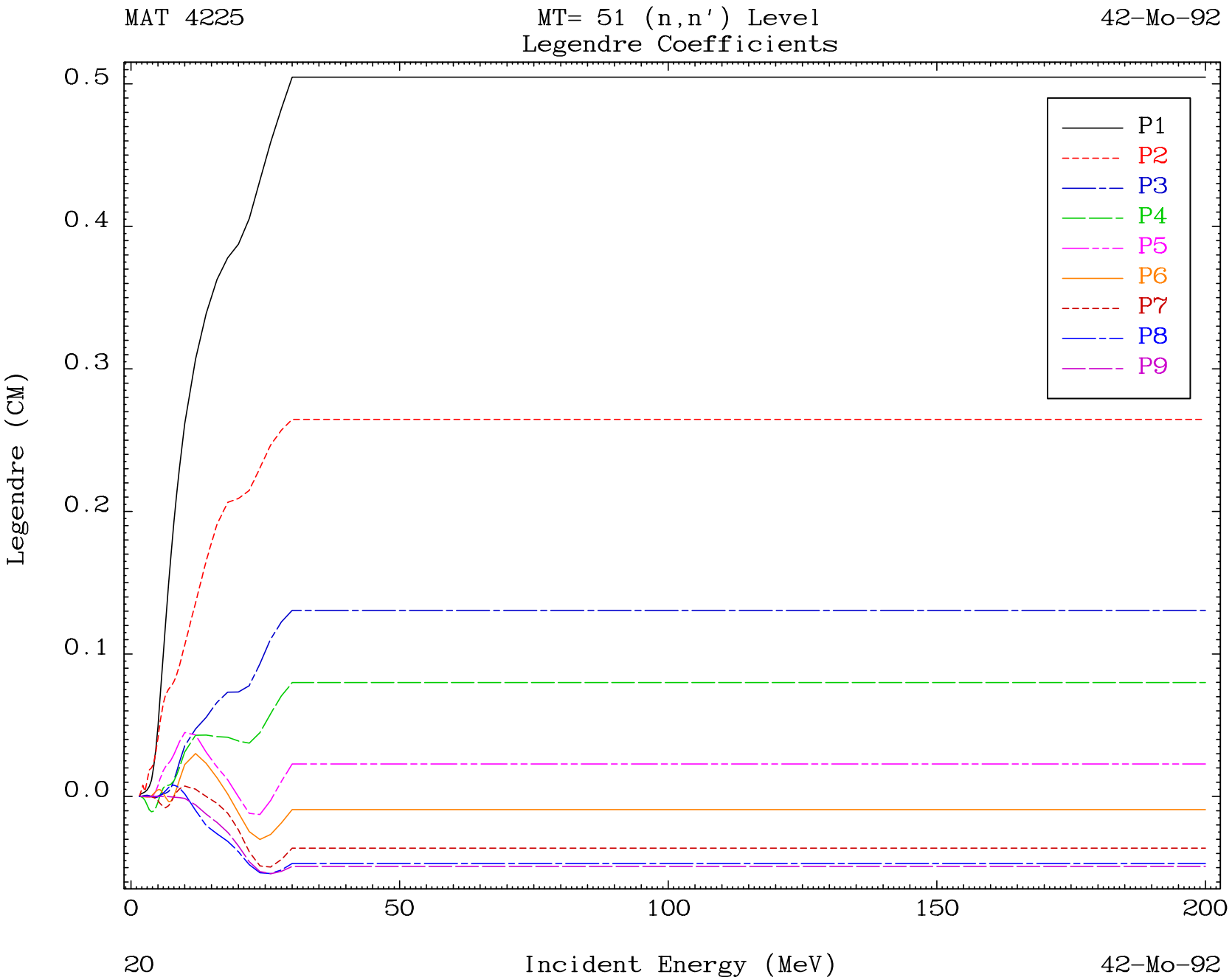

MAT 4225
(n,α) Levels
42-Mo-92
293 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
15
42-Mo-92

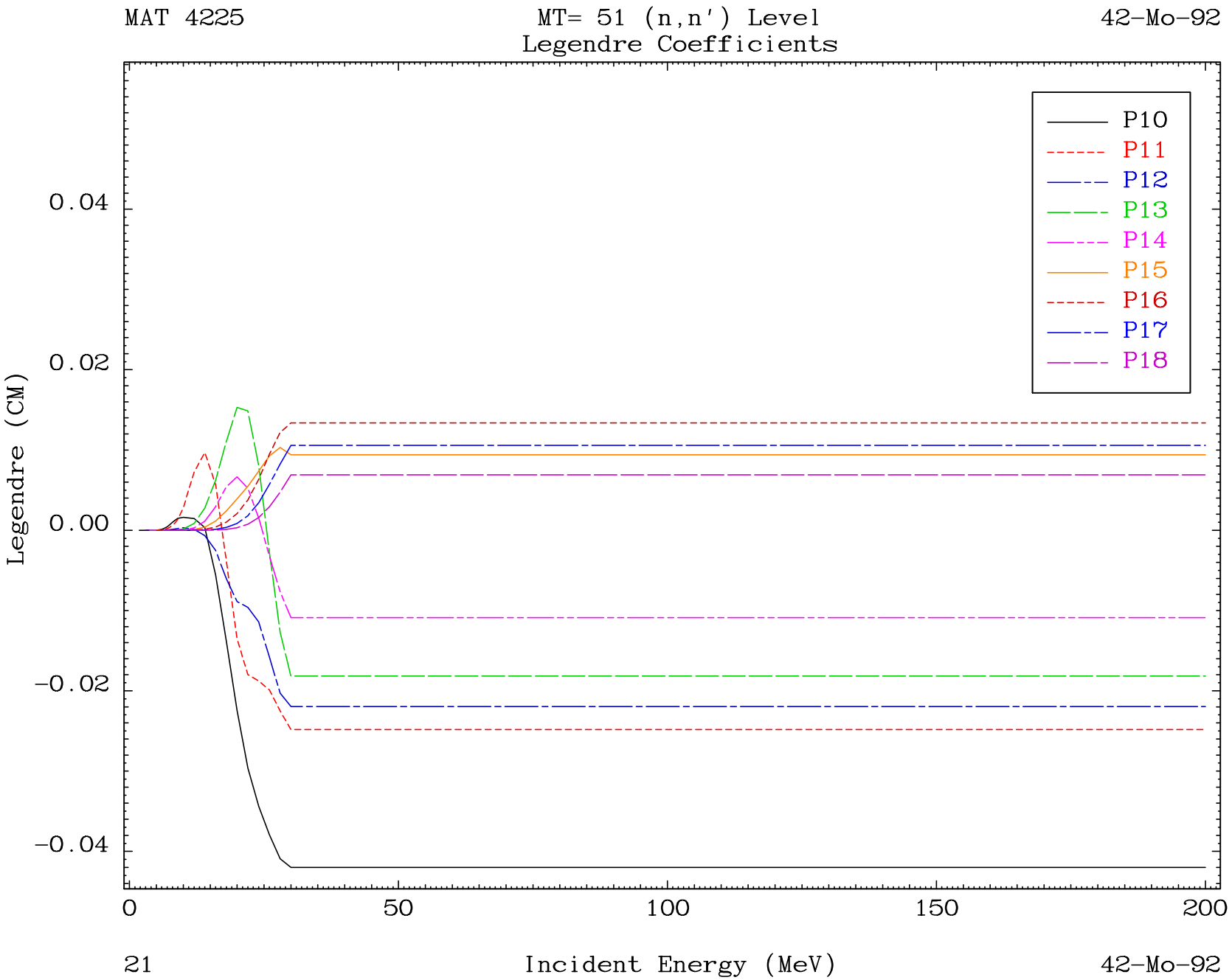

MAT 4225
Elastic
Legendre Coefficients
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
16
Incident Energy (MeV)
42-Mo-92

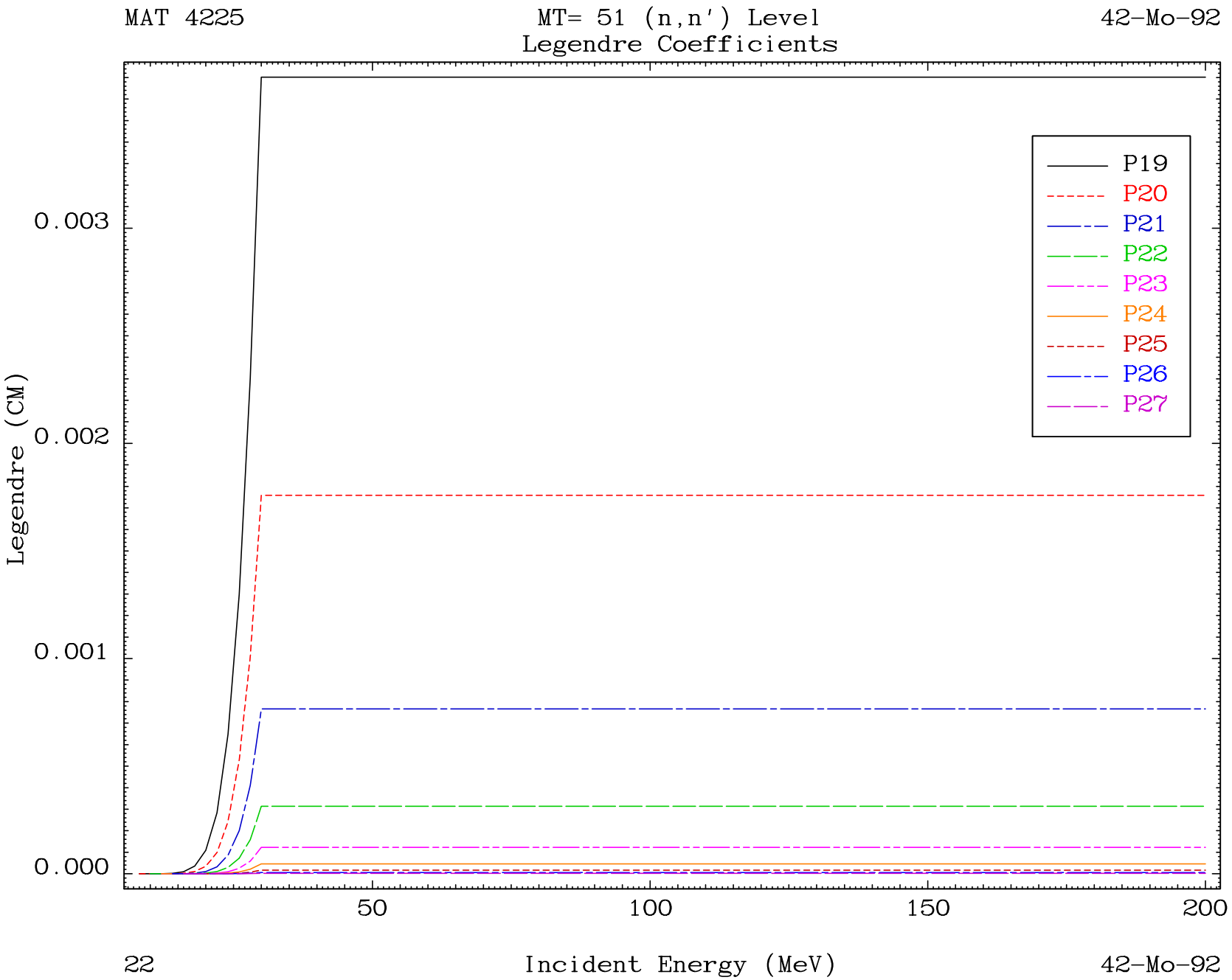

MAT 4225
Elastic
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
5
10
15
20
25
30
17
Incident Energy (MeV)
42-Mo-92

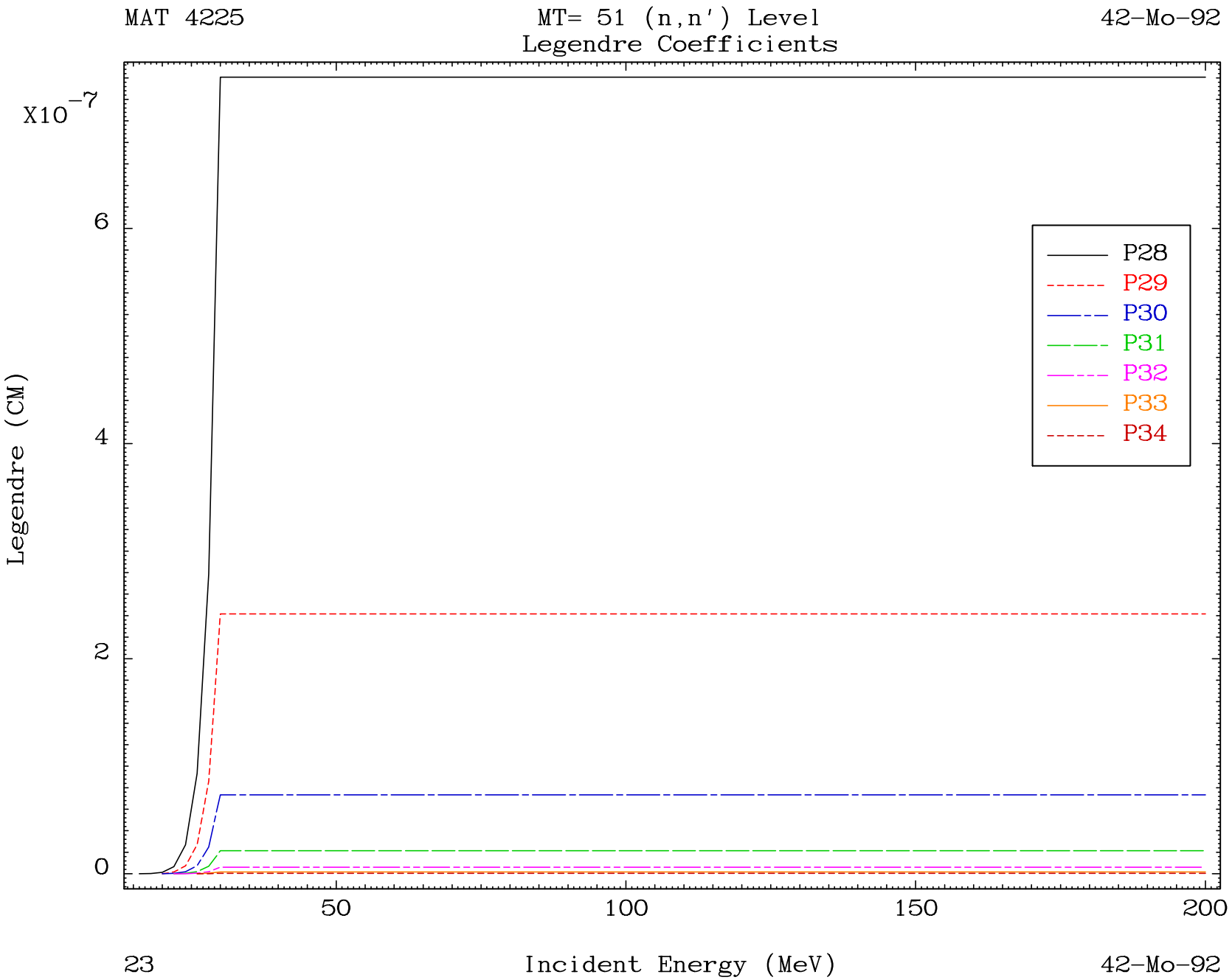

MAT 4225
Elastic
Legendre Coefficients
42-Mo-92
X10 -3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
10
15
20
25
30
18
Incident Energy (MeV)
42-Mo-92

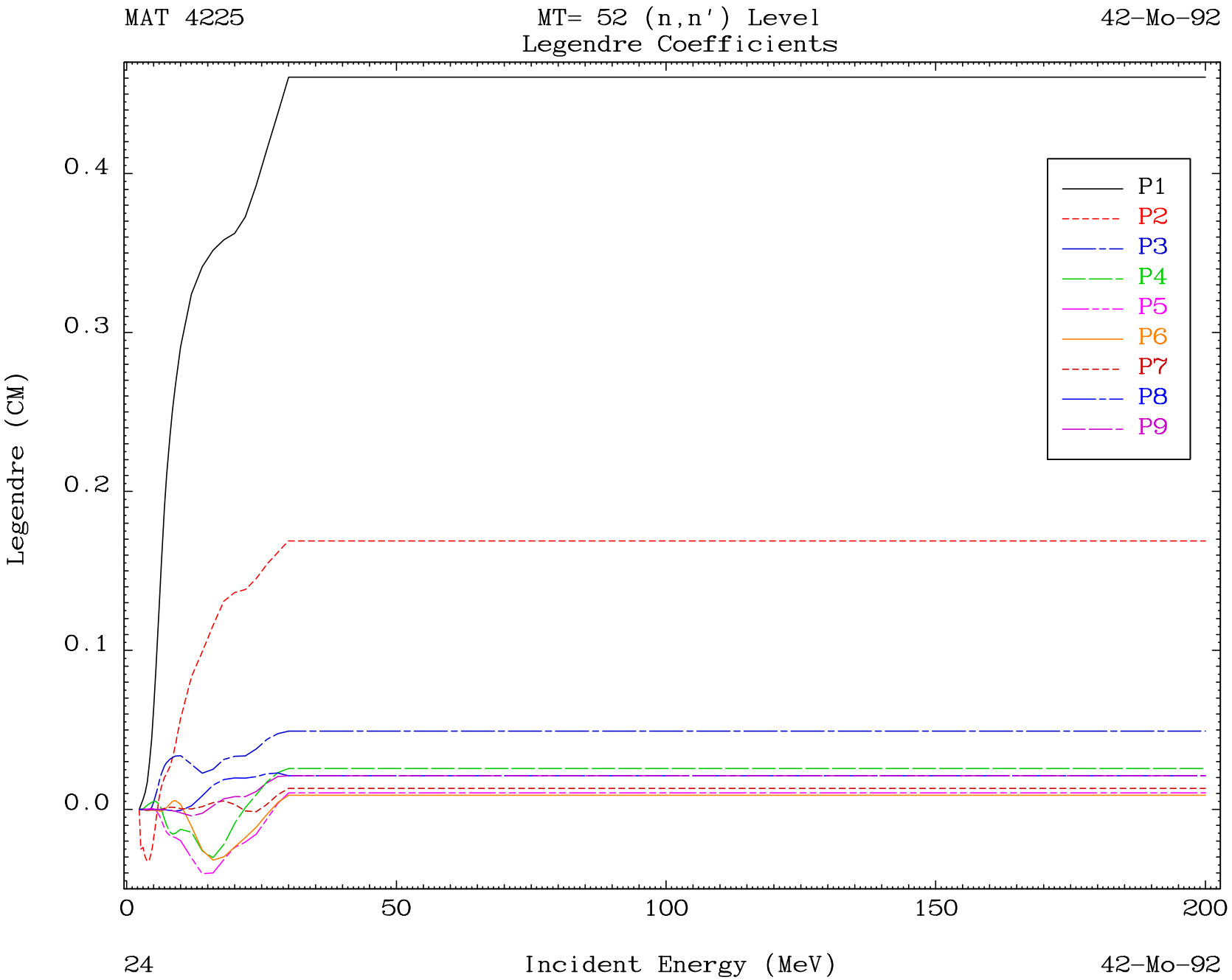

MAT 4225
Elastic
Legendre Coefficients
42-Mo-92
0.0
X10^-7
-0.5
-1.0
-1.5
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
19
Incident Energy (MeV)
42-Mo-92

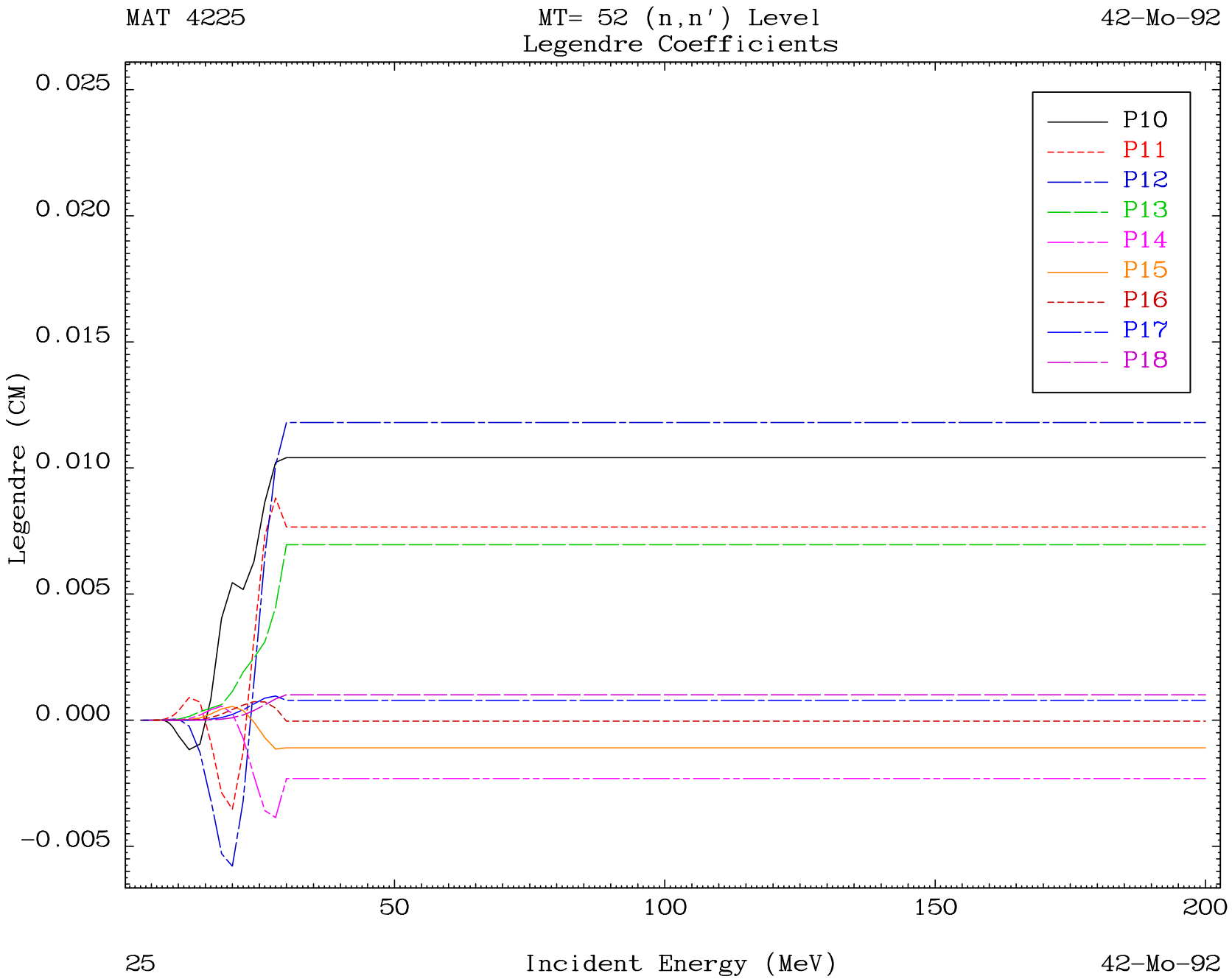

MAT 4225
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-92
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
20
Incident Energy (MeV)
42-Mo-92

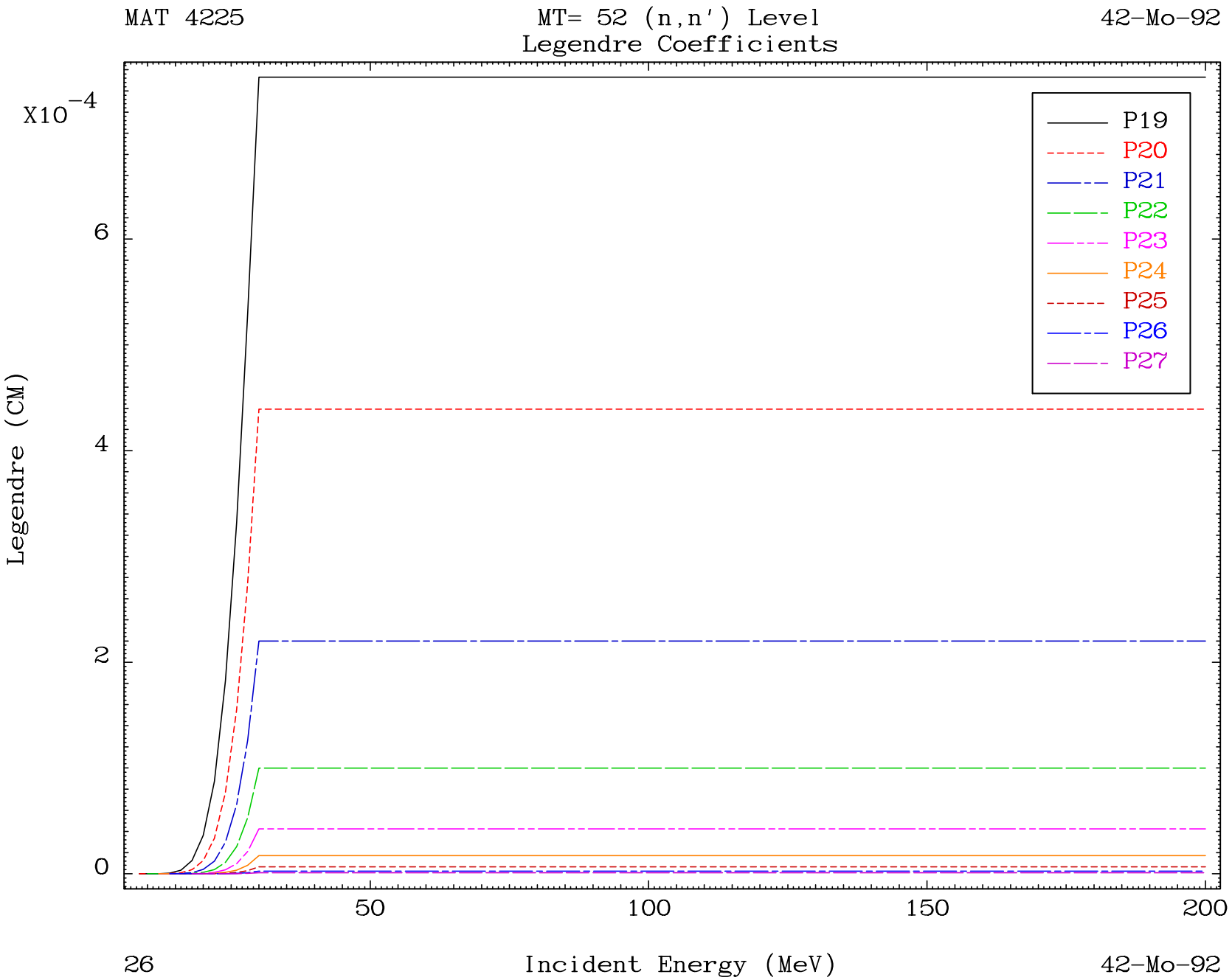

MAT 4225
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
42-Mo-92

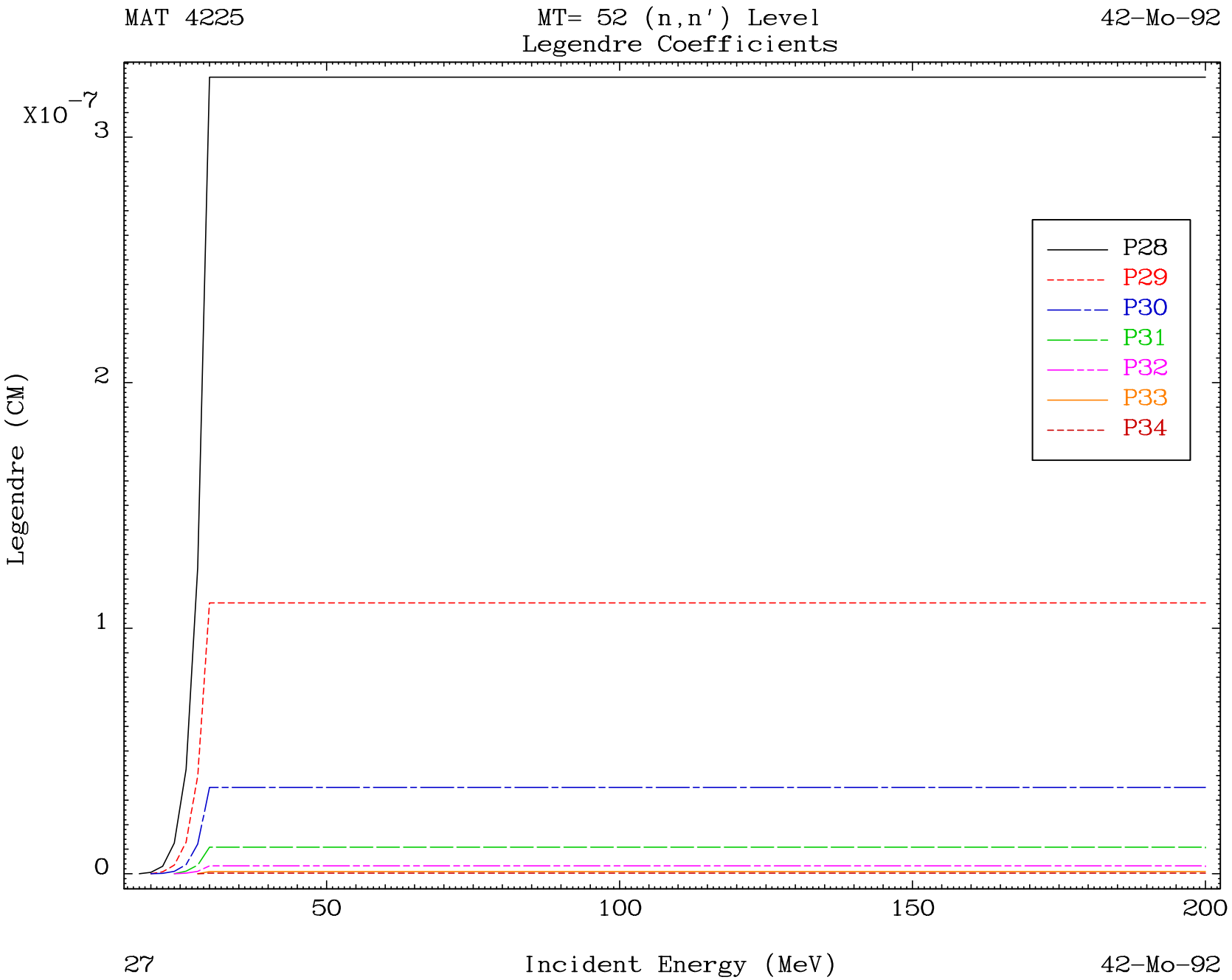

MAT 4225
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
42-Mo-92

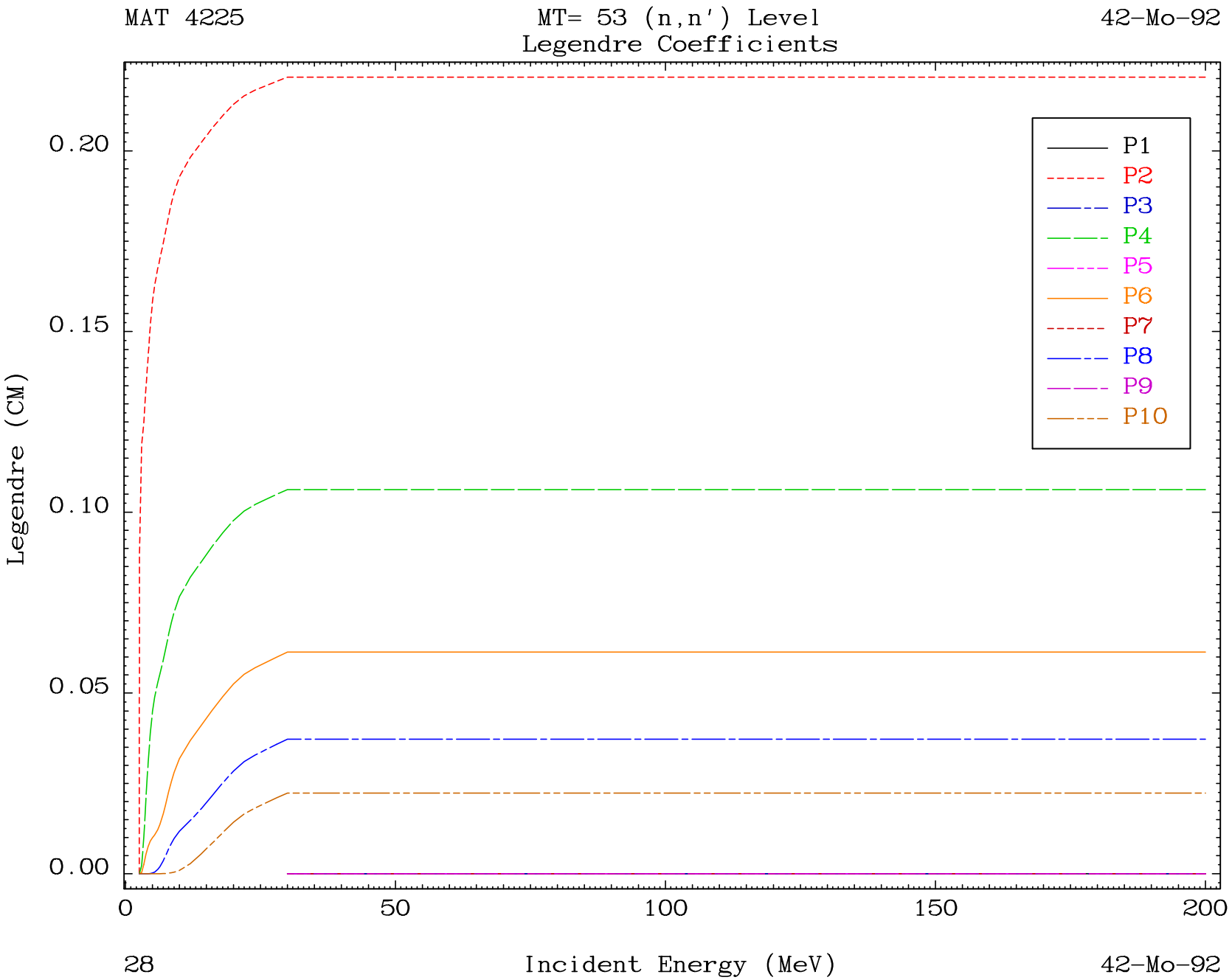

MAT 4225
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
23
Incident Energy (MeV)
42-Mo-92

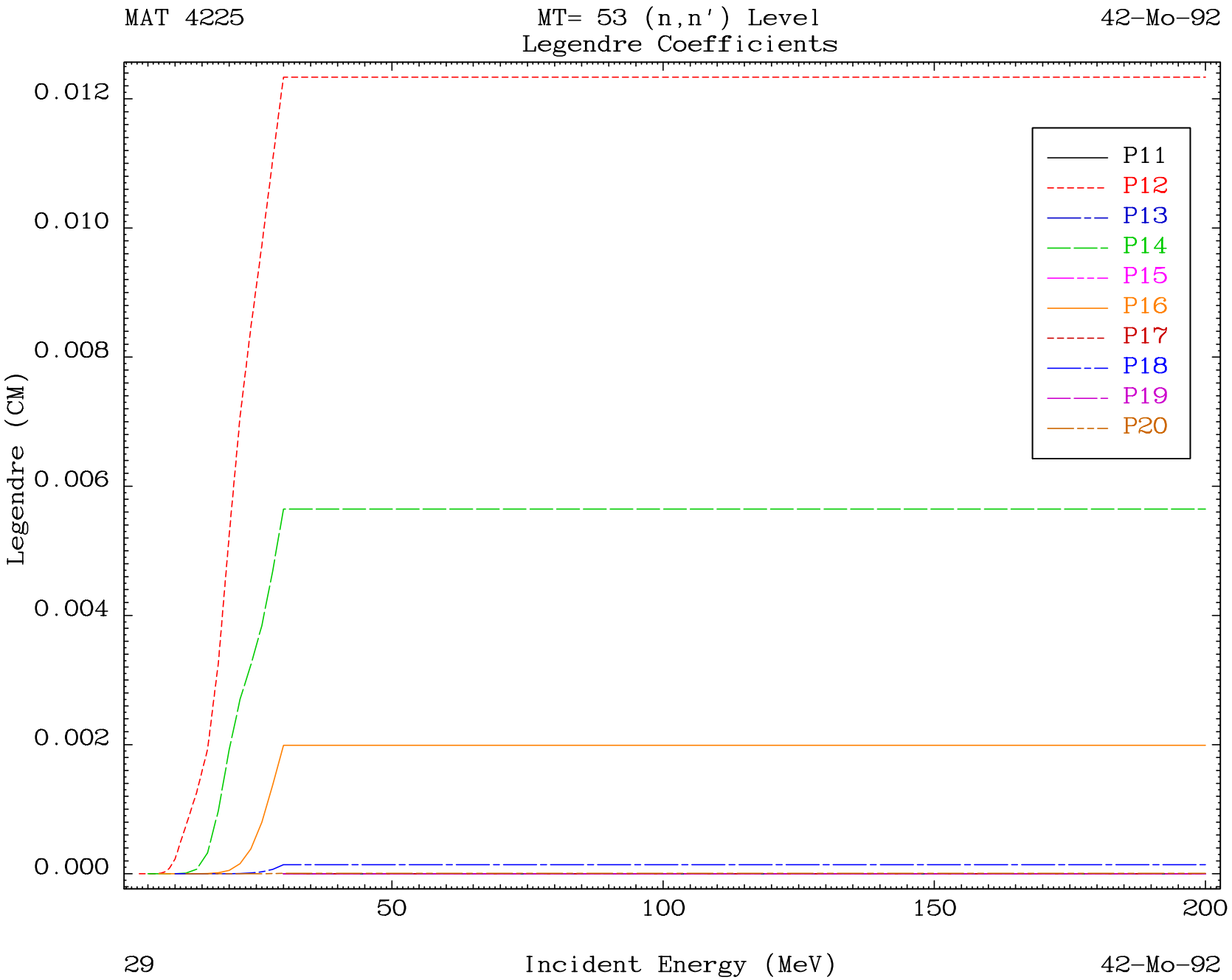

MAT 4225
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
24
Incident Energy (MeV)
42-Mo-92

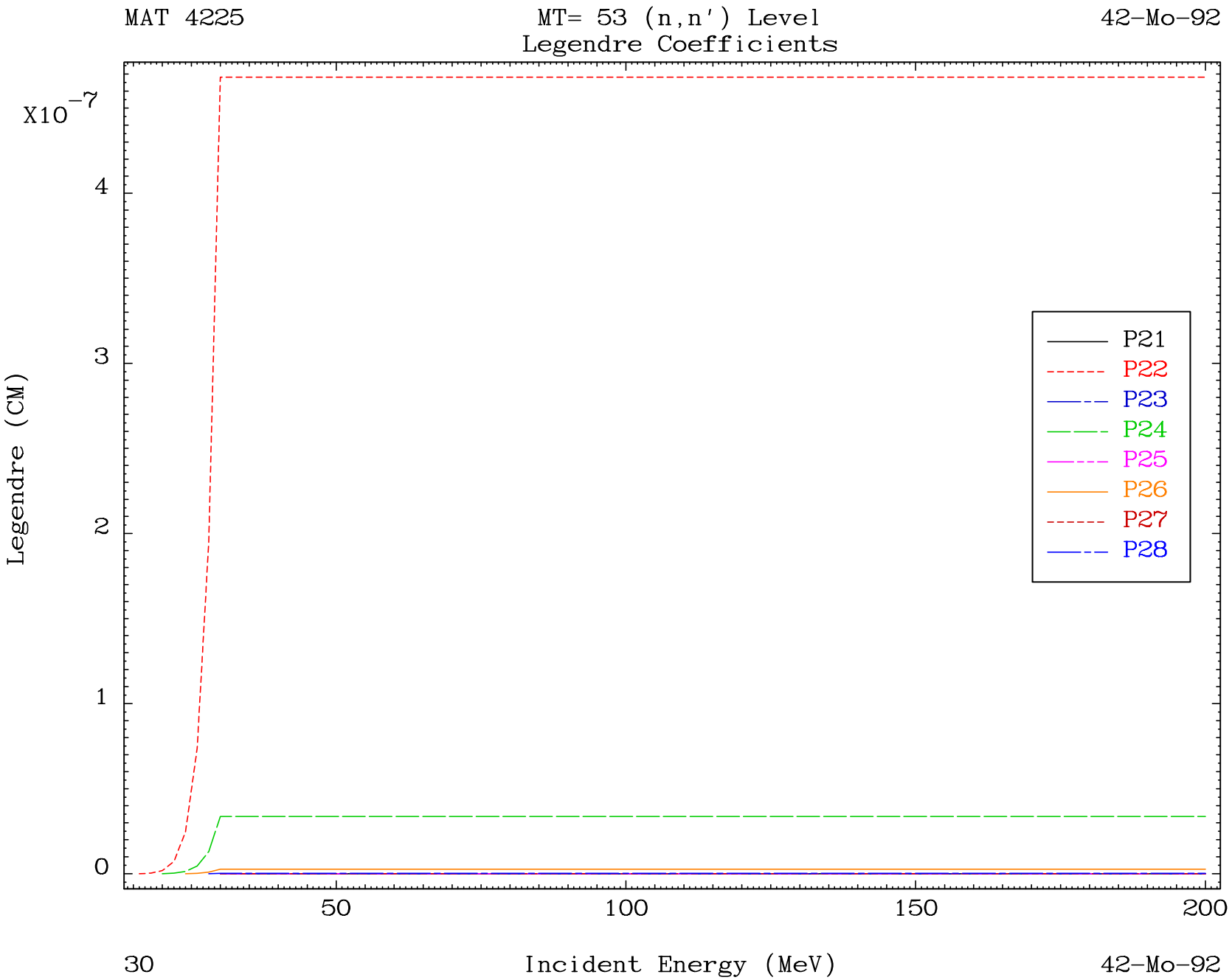

MAT 4225
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-92
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
25
Incident Energy (MeV)
42-Mo-92

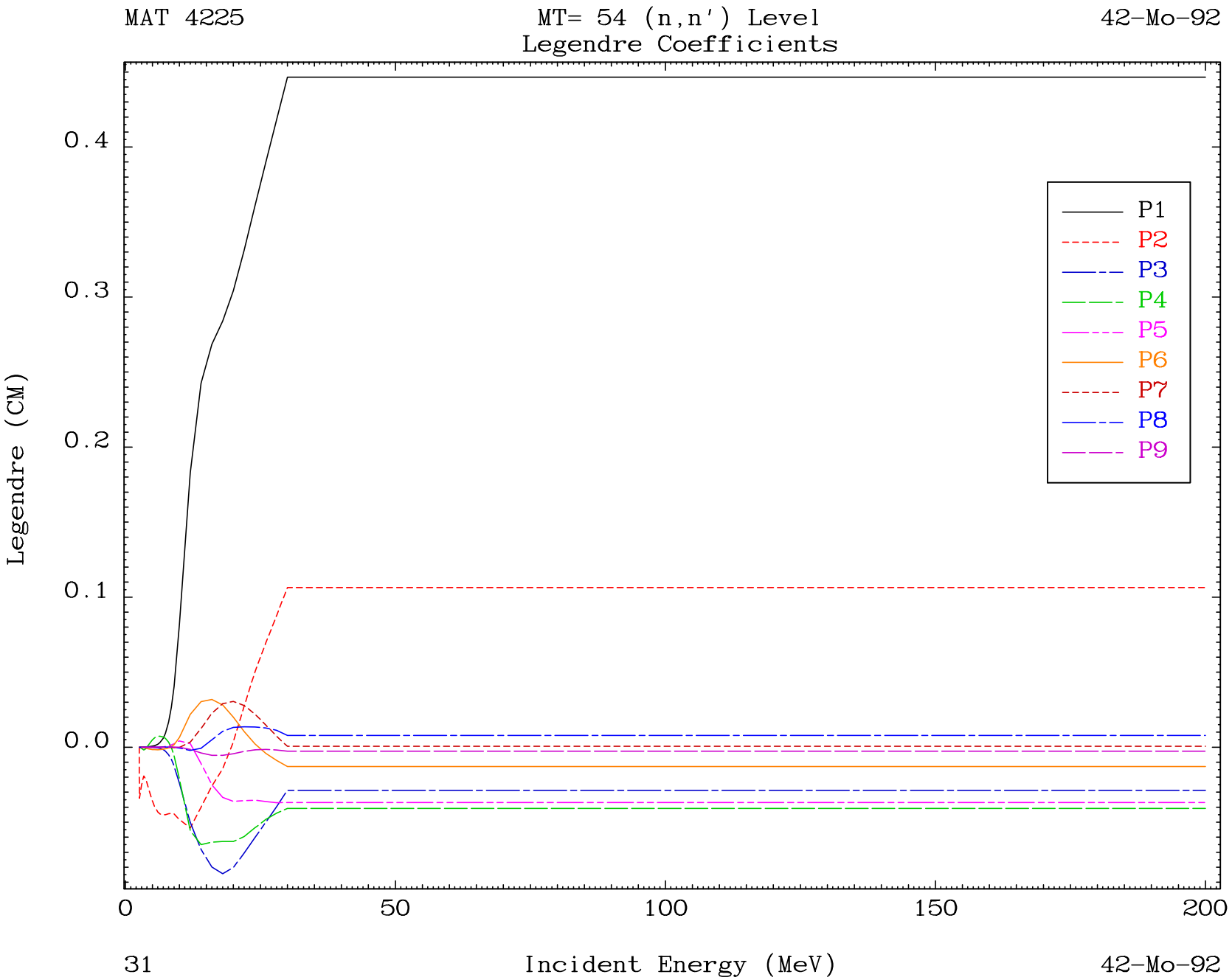

MAT 4225
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
26
Incident Energy (MeV)
42-Mo-92

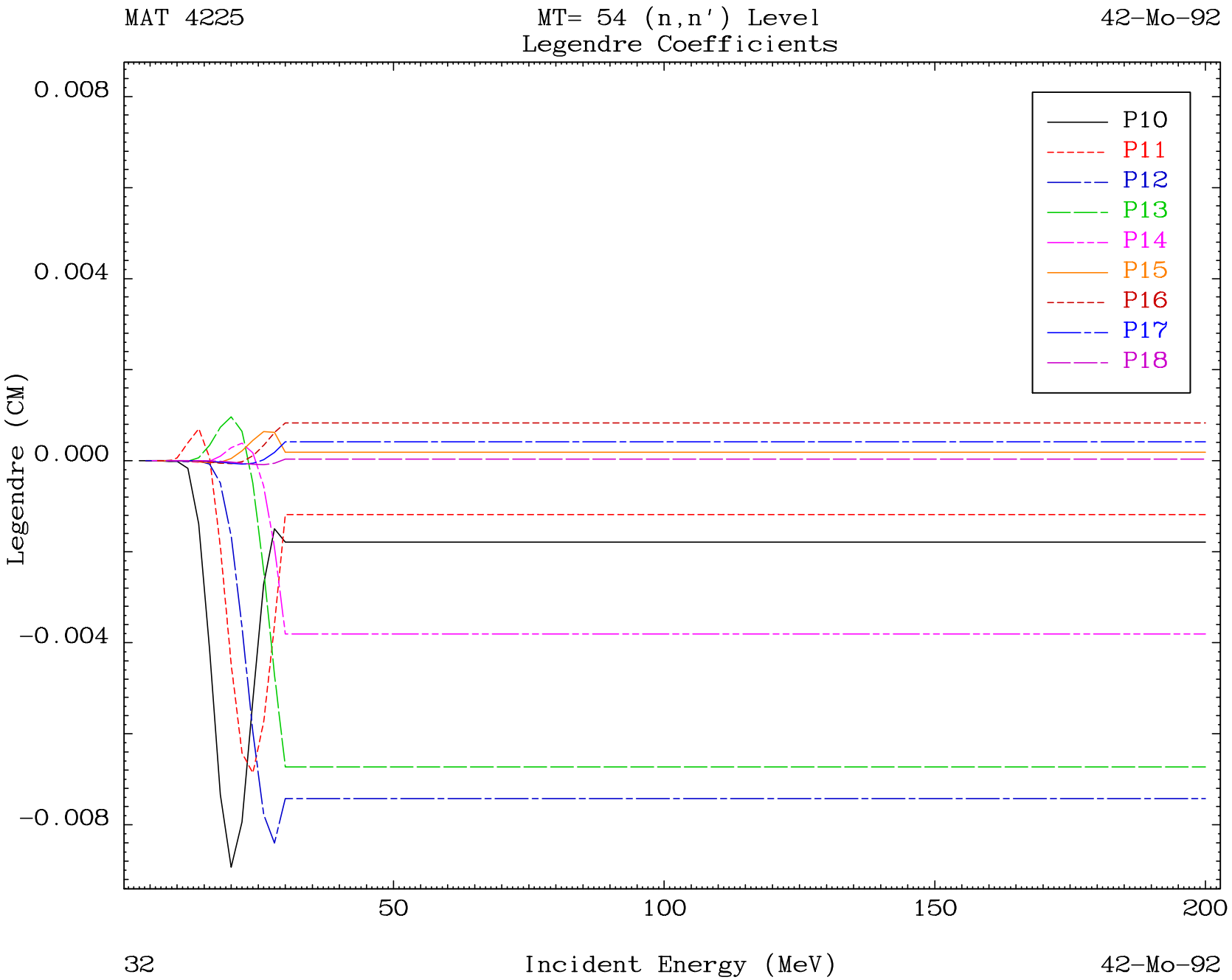

MAT 4225
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-7
3
2
1
0
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
27
Incident Energy (MeV)
42-Mo-92

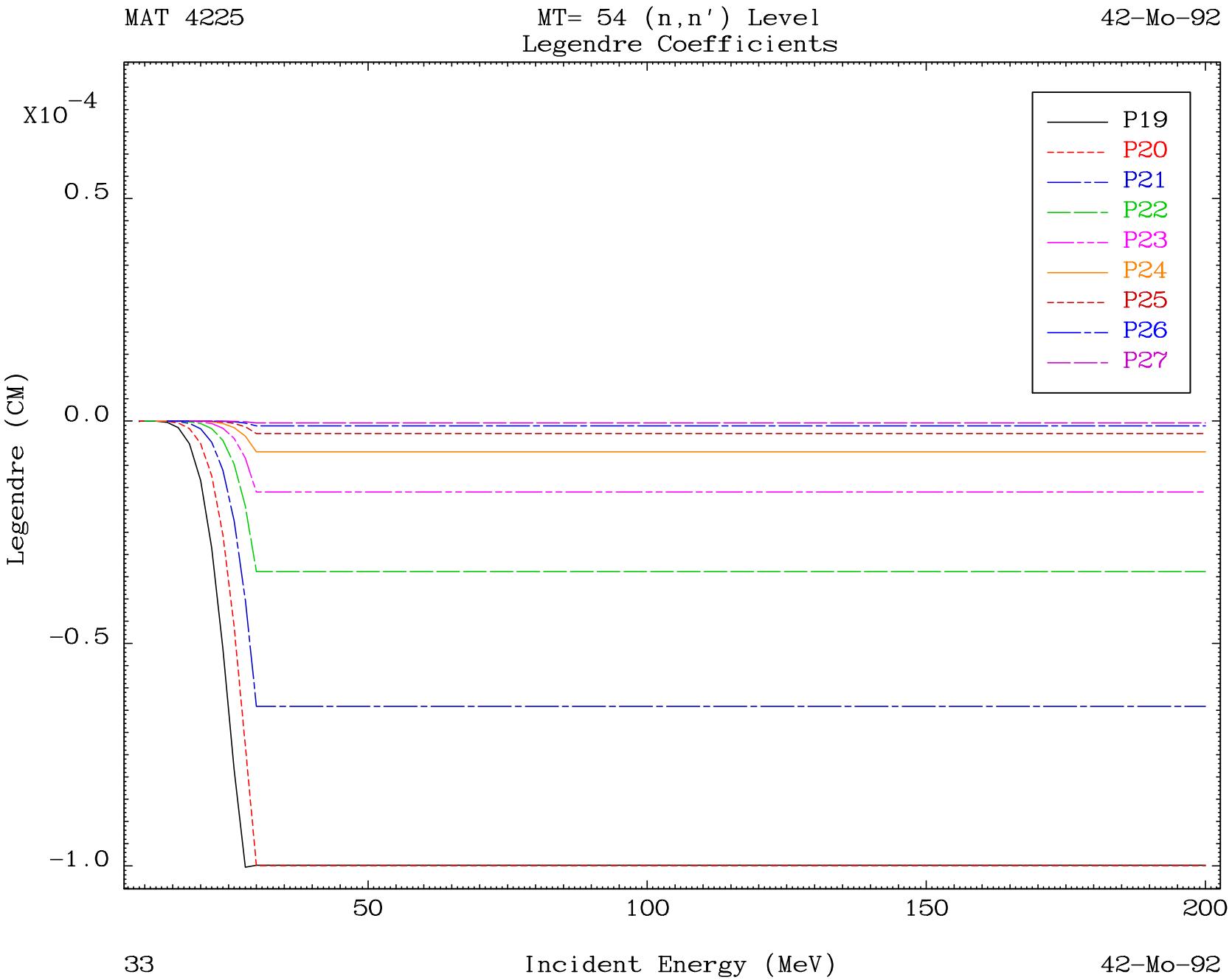

MAT 4225
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
28
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

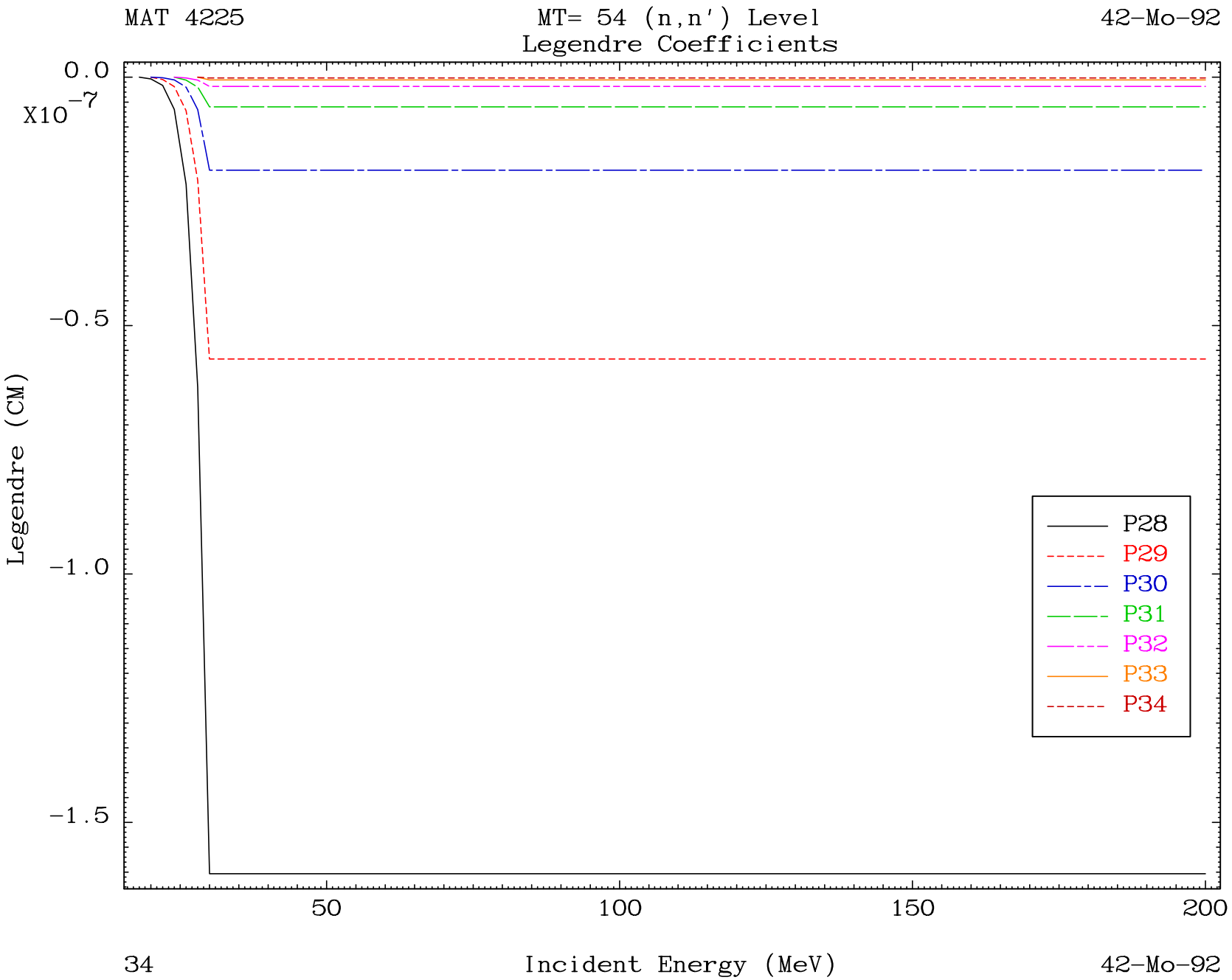

MAT 4225
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-92
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
29
Incident Energy (MeV)
42-Mo-92

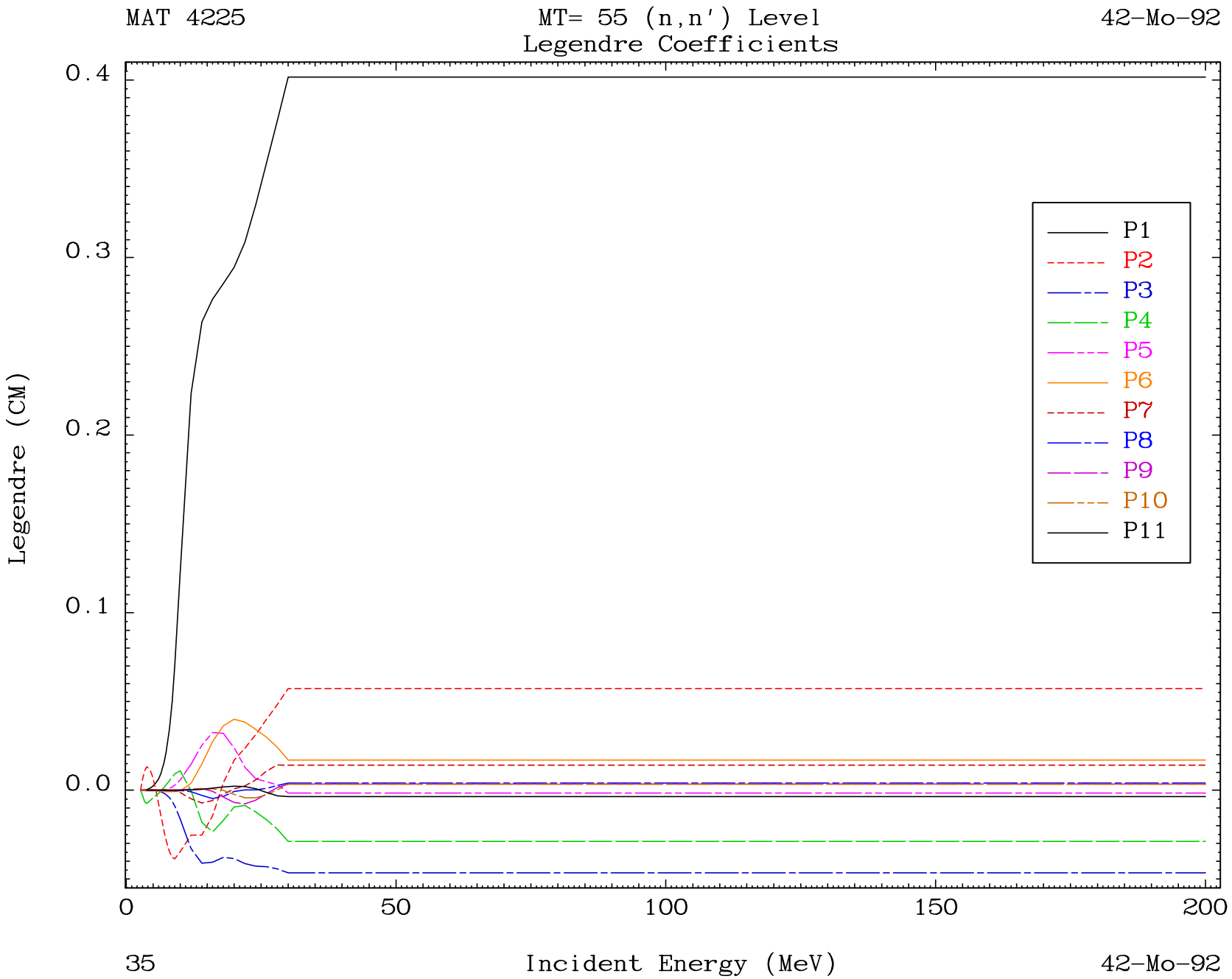

MAT 4225
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
30
Incident Energy (MeV)
42-Mo-92

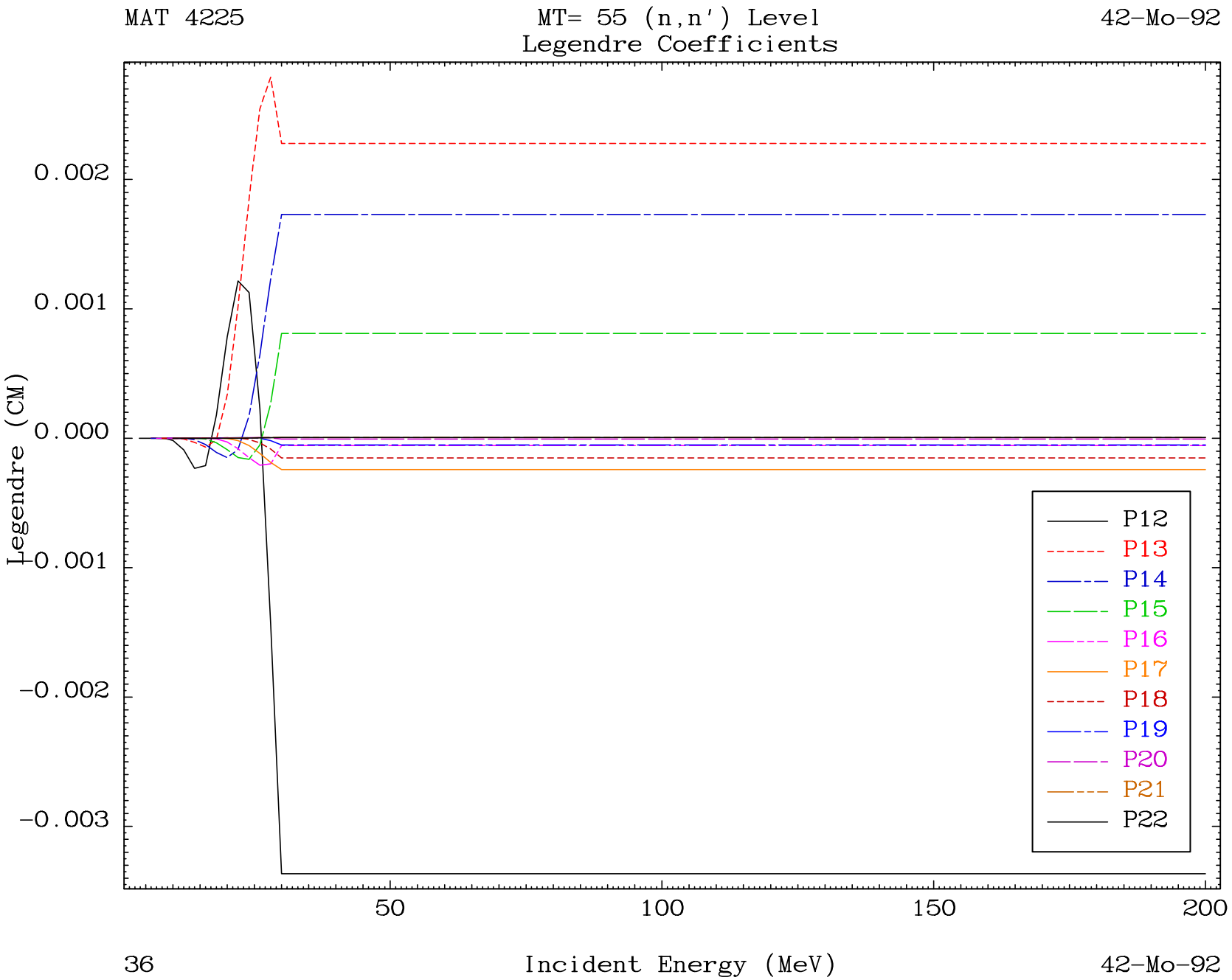

MAT 4225
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
31
Incident Energy (MeV)
42-Mo-92

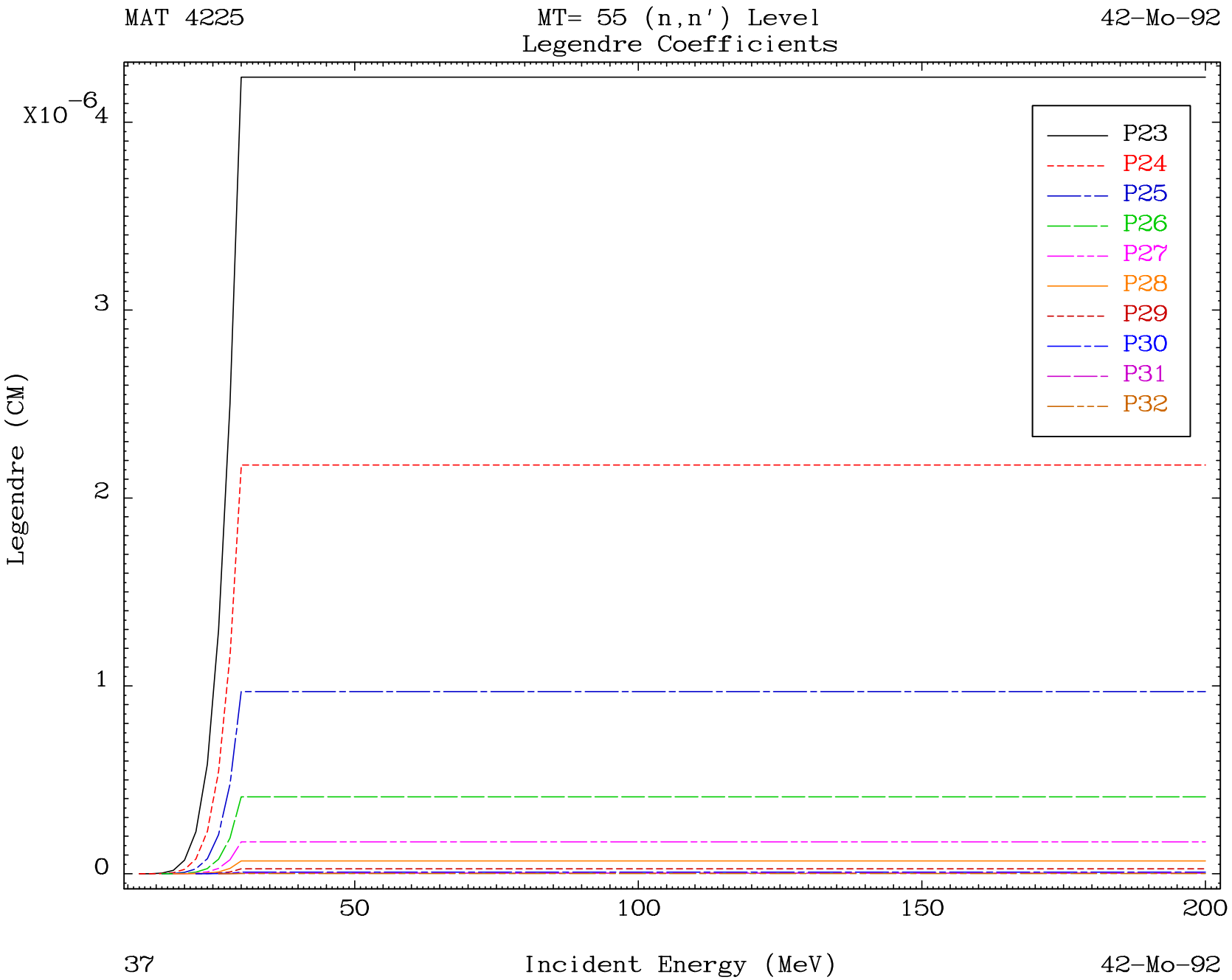

MAT 4225
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-92
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
32
Incident Energy (MeV)
42-Mo-92

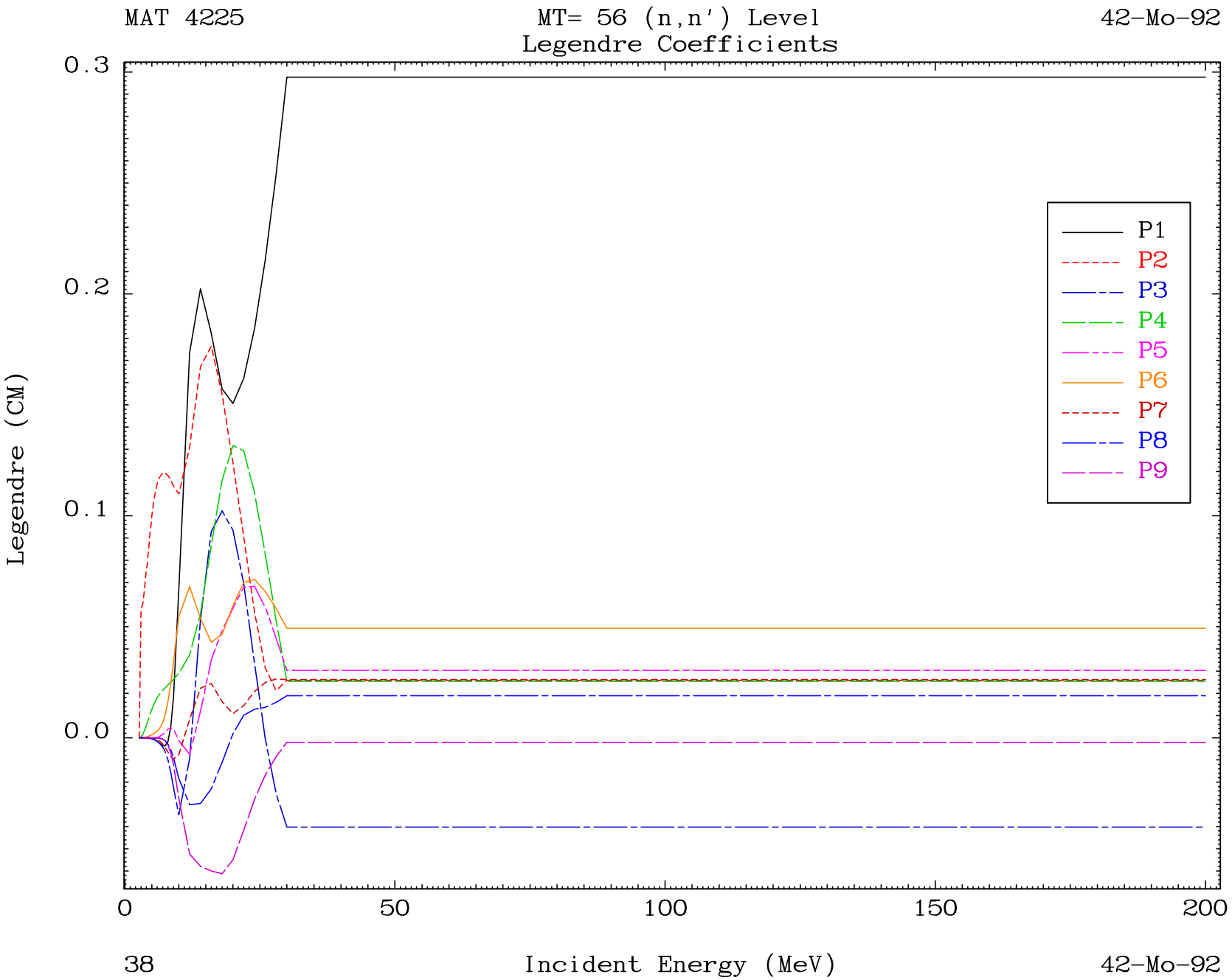

MAT 4225
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
0.5
0.0
-0.5
-1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
33
Incident Energy (MeV)
42-Mo-92

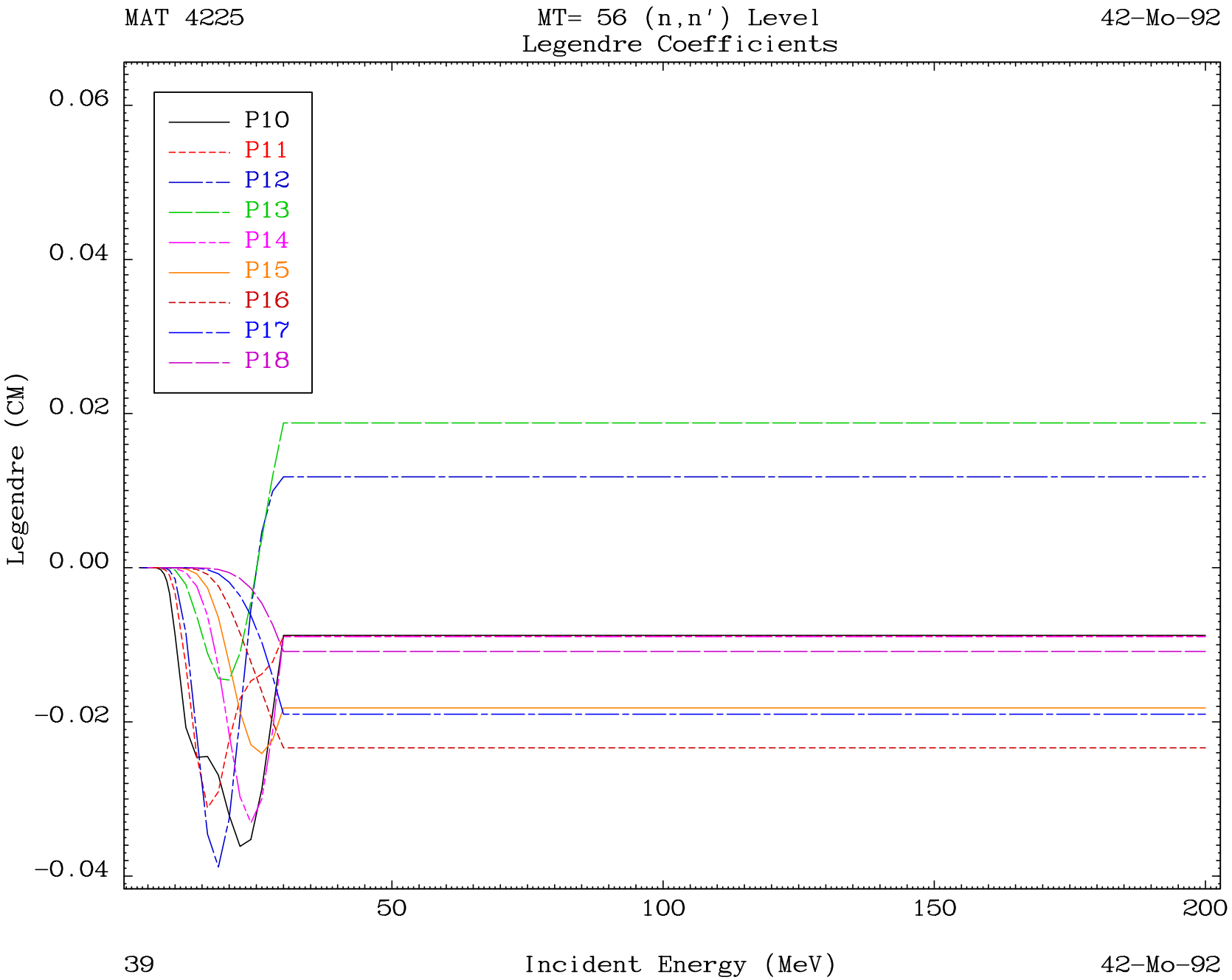

MAT 4225
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-7
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
34
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

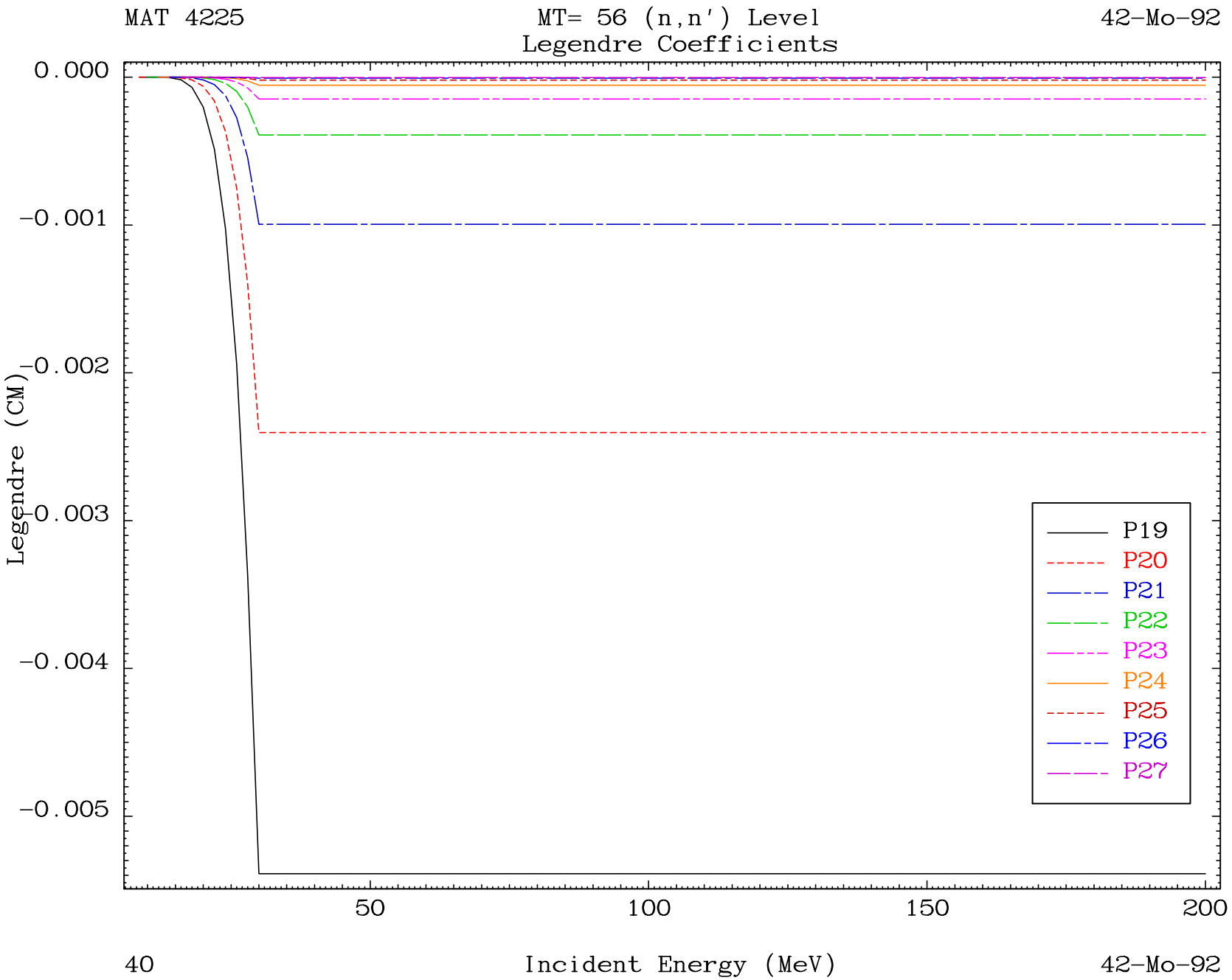

MAT 4225
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-92
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
35
Incident Energy (MeV)
42-Mo-92

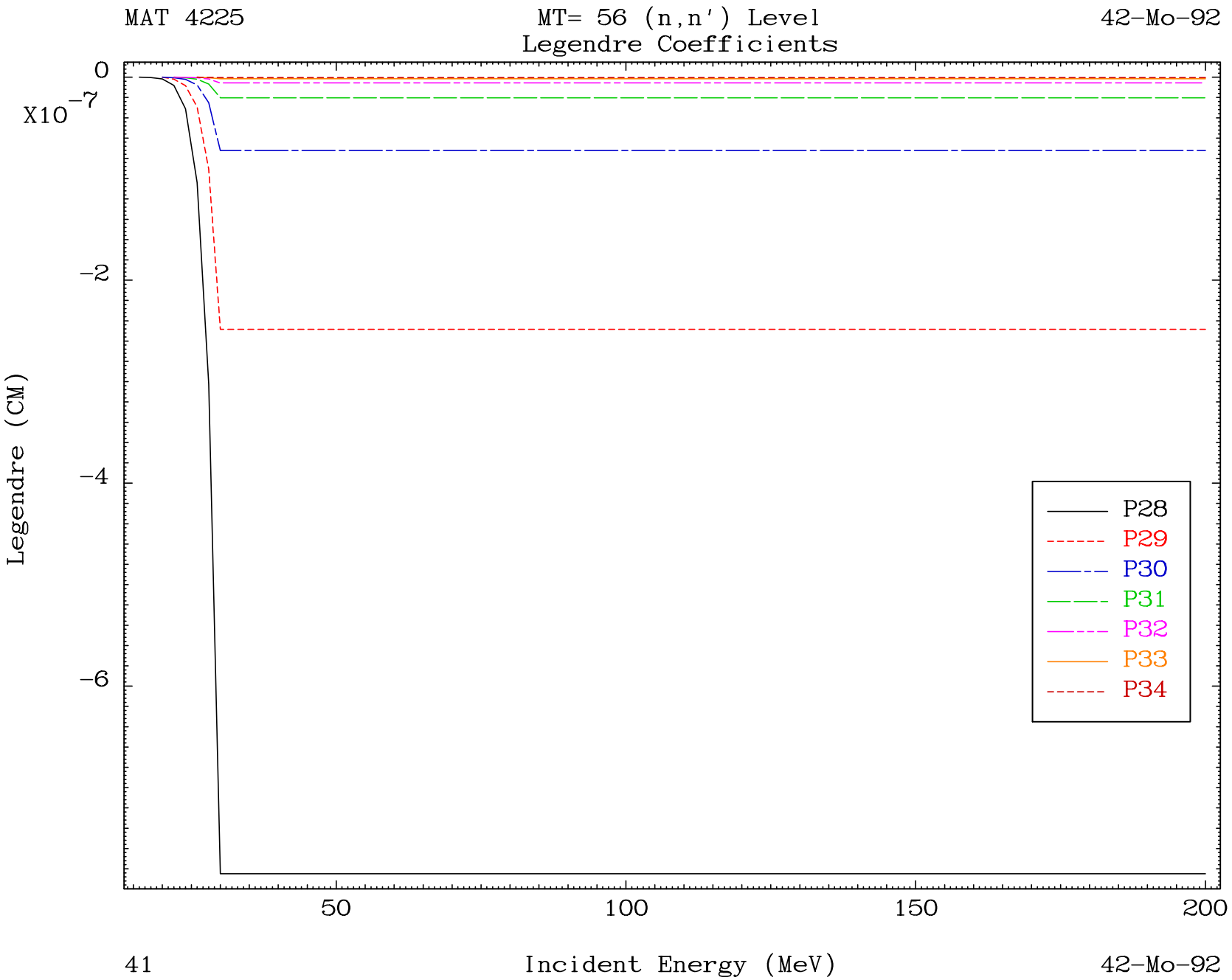

MAT 4225
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-92
0.002
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
36
Incident Energy (MeV)
42-Mo-92
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

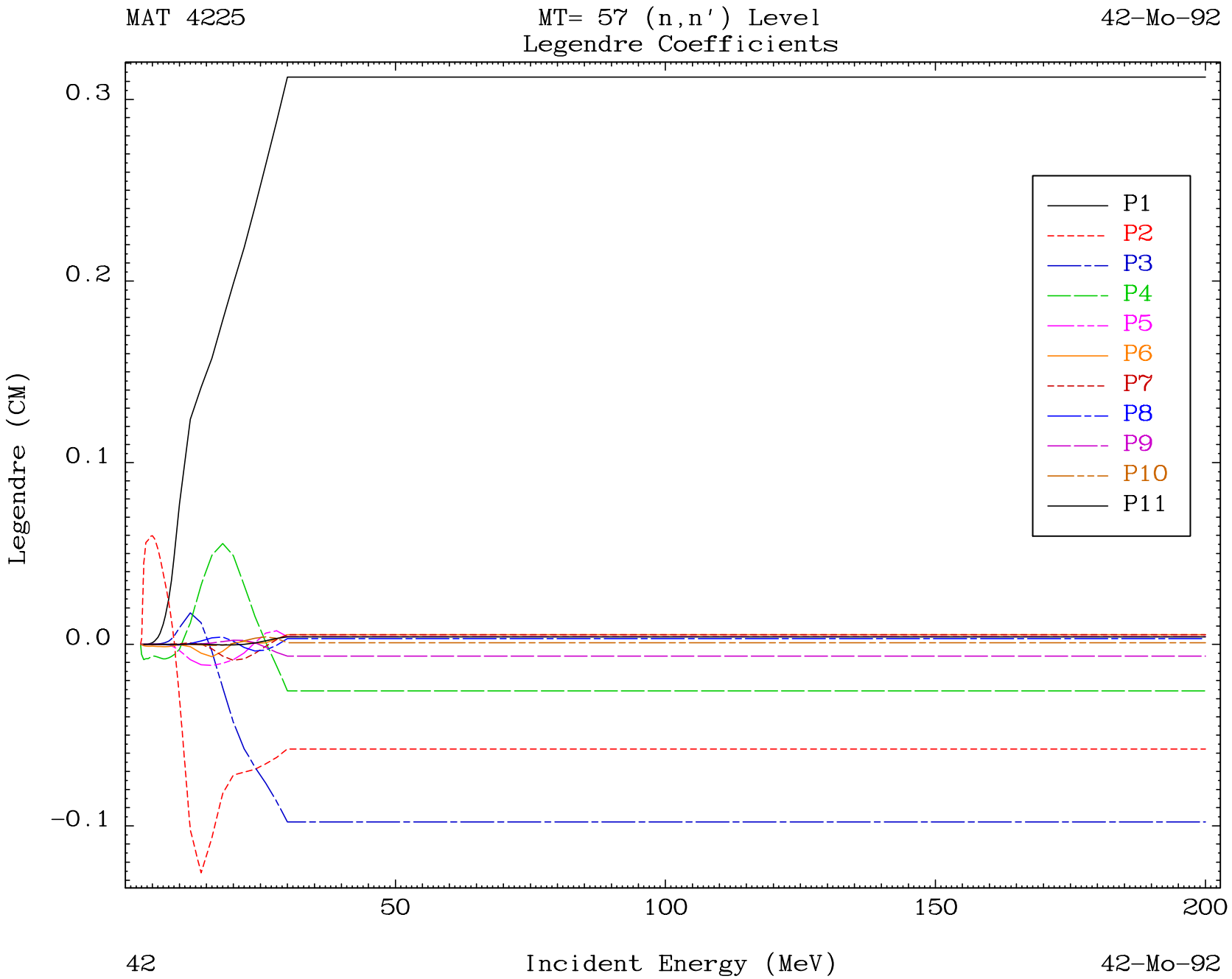

MAT 4225
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-92
X10 -6
4
3
2
1
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
37
Incident Energy (MeV)
42-Mo-92

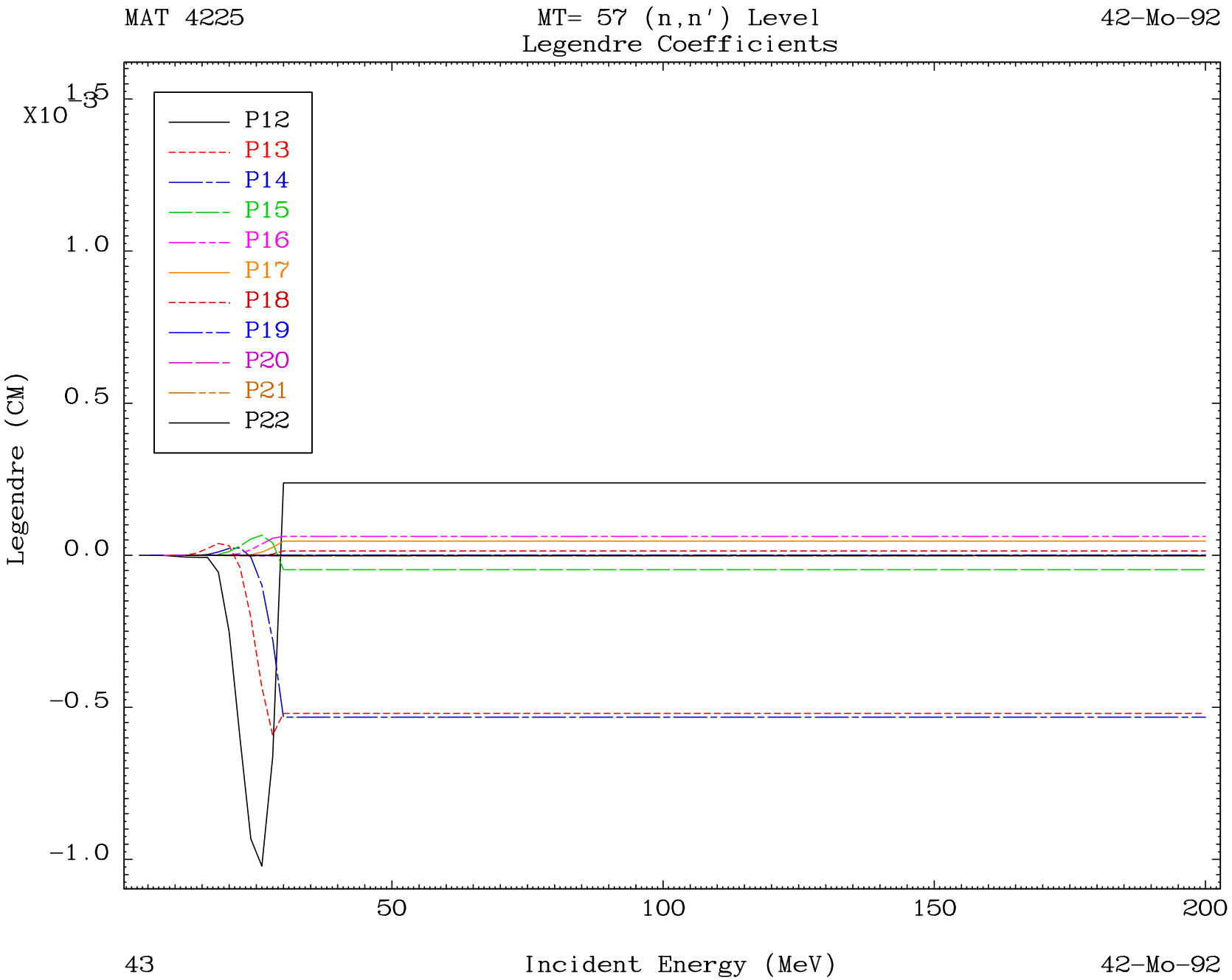

MAT 4225
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-92
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
38
Incident Energy (MeV)
42-Mo-92

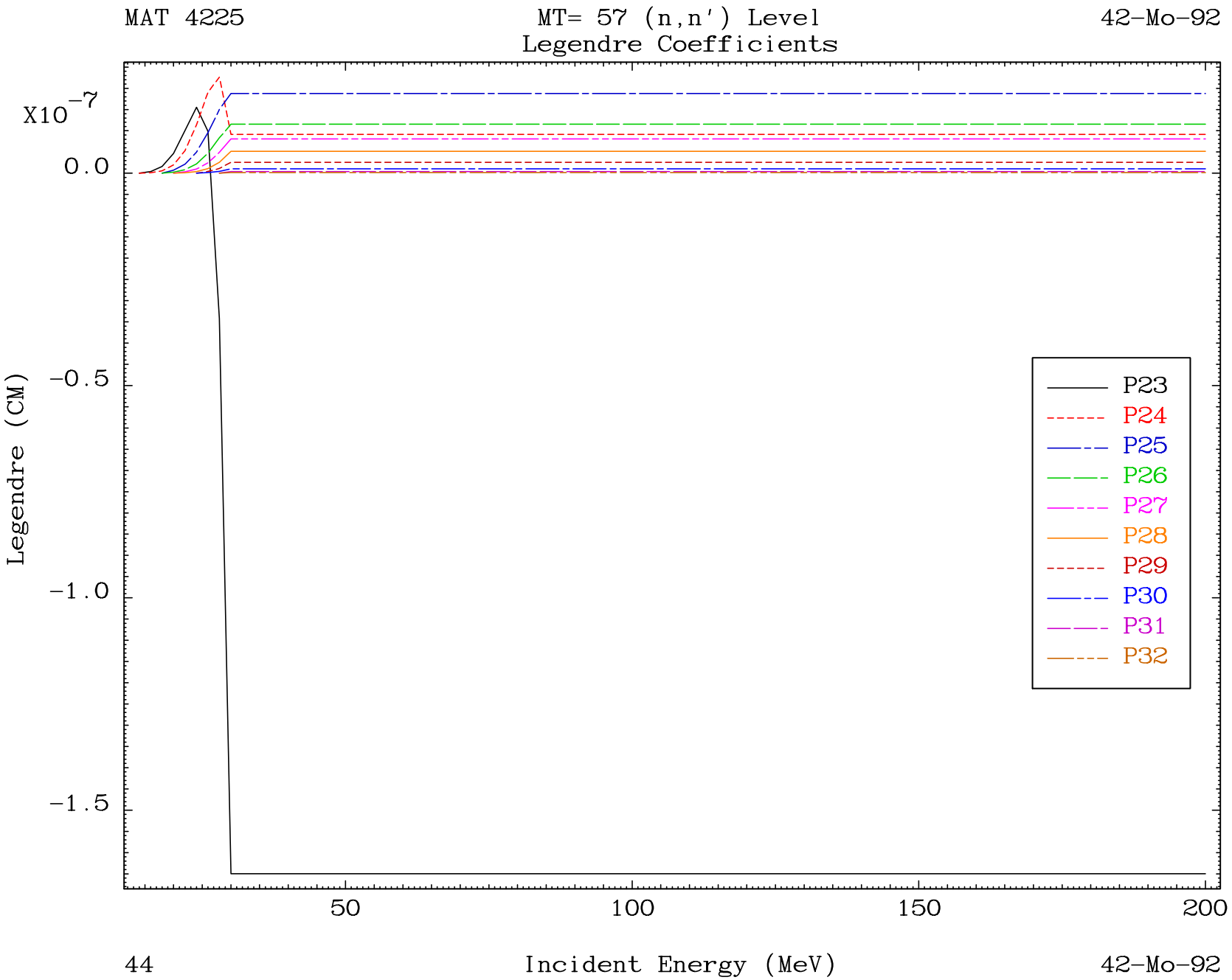

MAT 4225
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
42-Mo-92

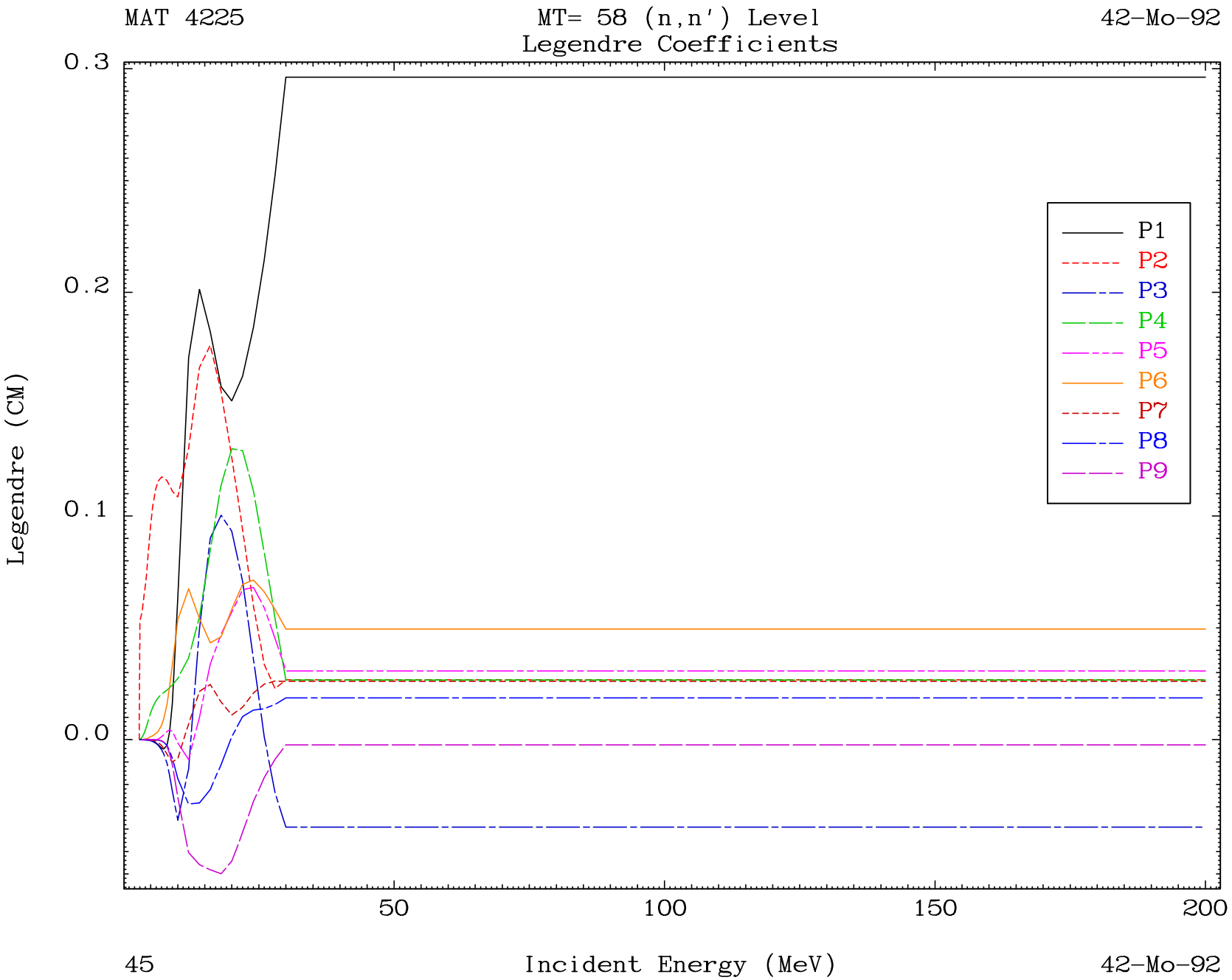

MAT 4225
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-92
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
Legendre (CM)
50
100
150
200
40
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26
P27

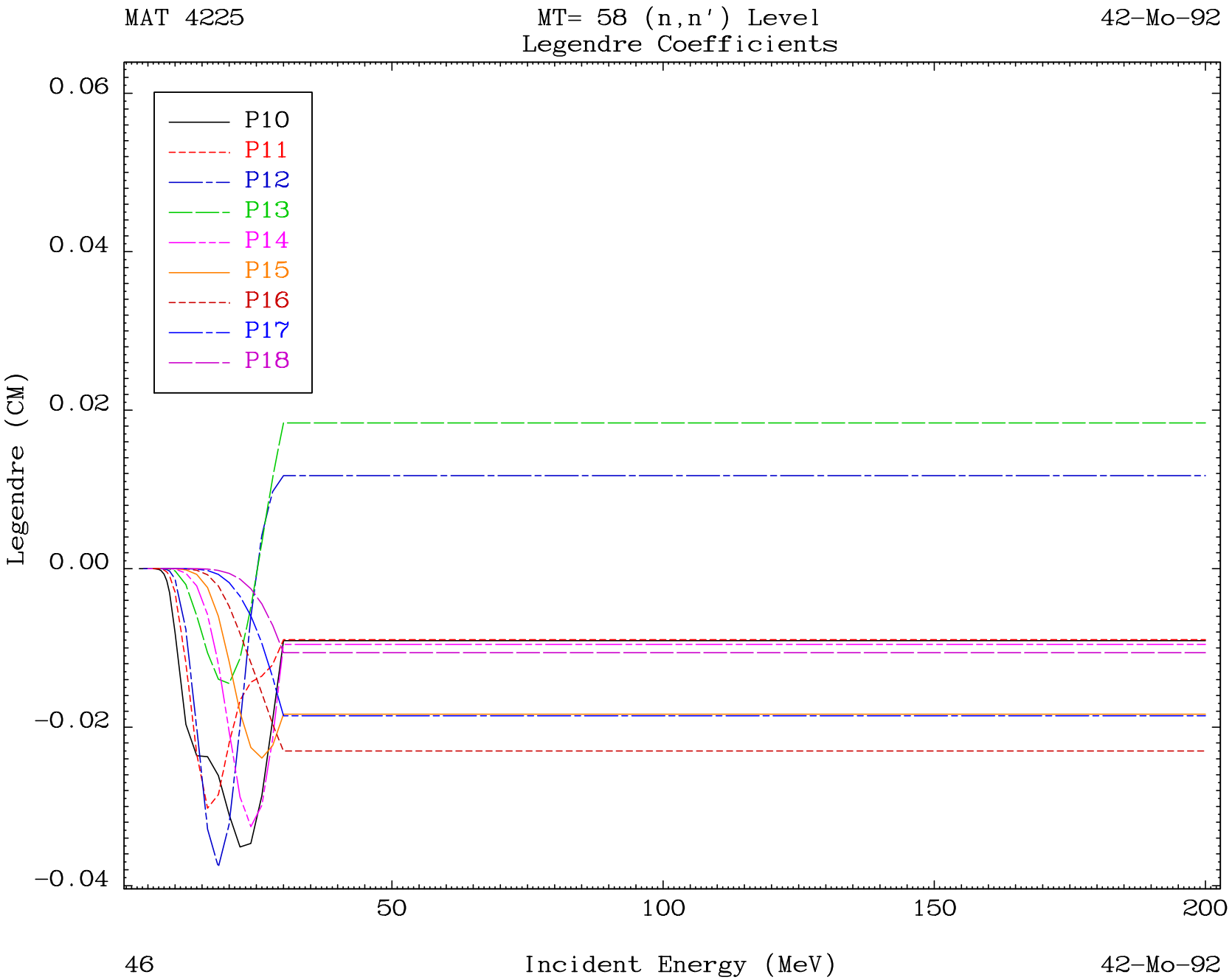

MAT 4225
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
41
Incident Energy (MeV)
42-Mo-92

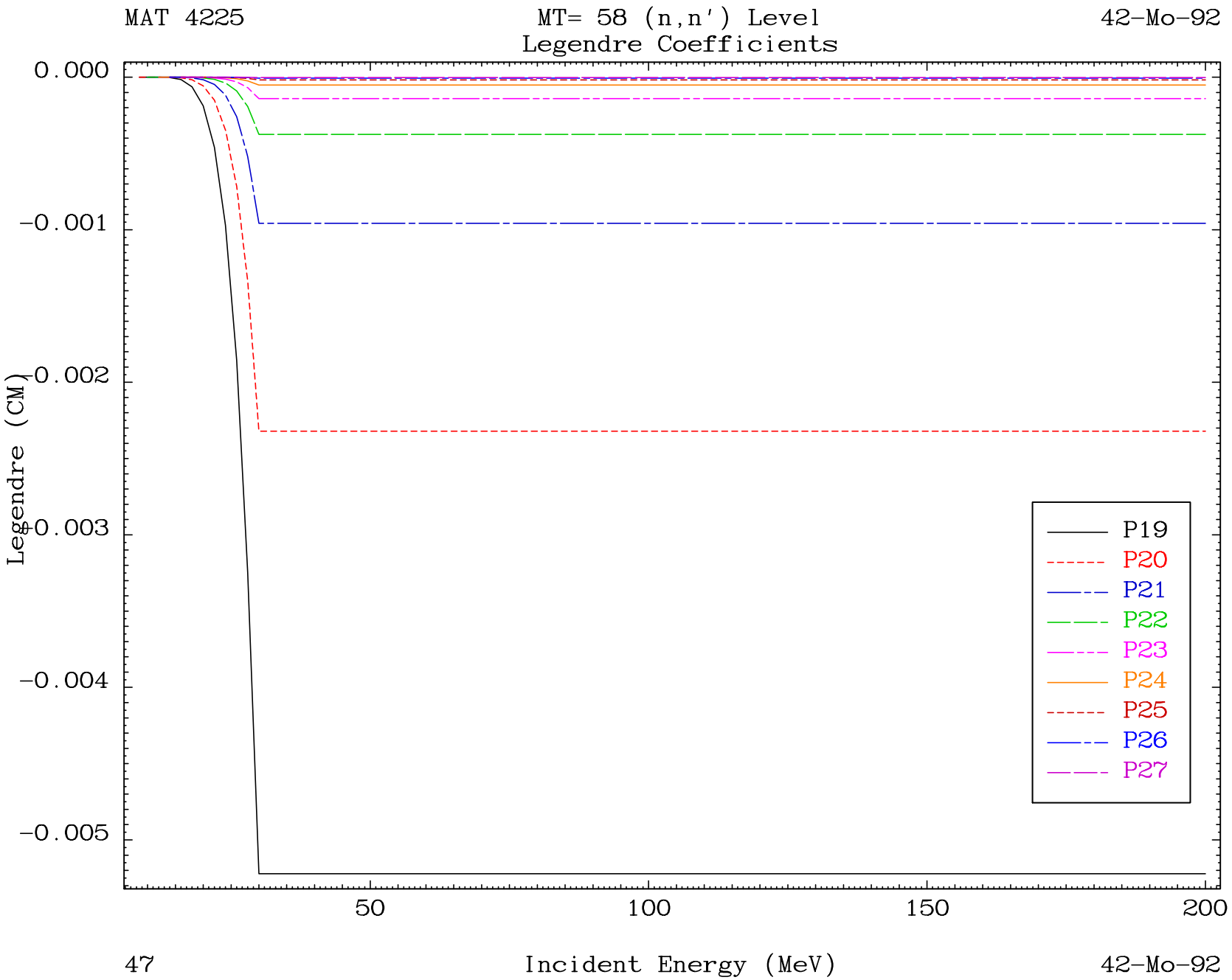

MAT 4225
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-92
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

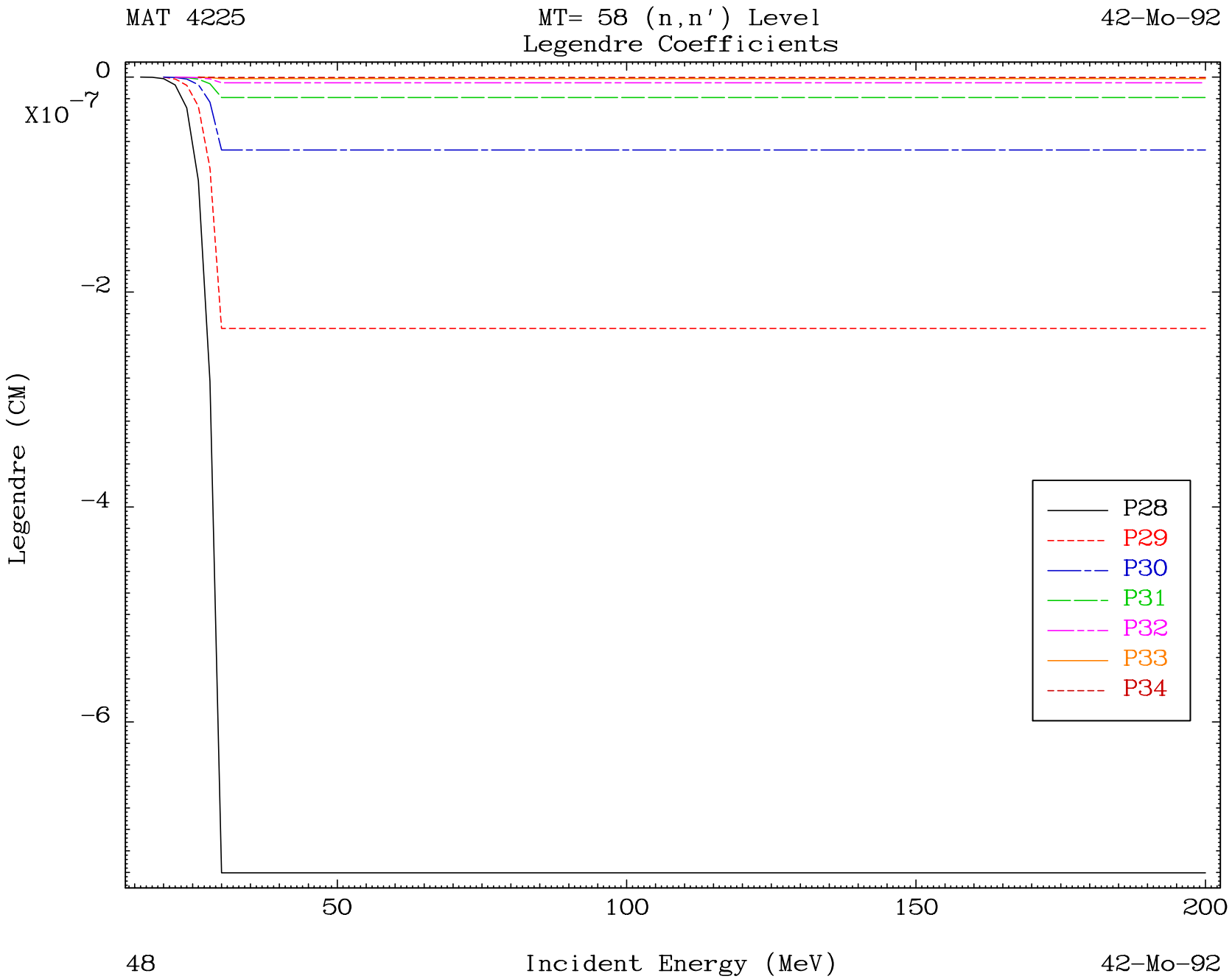

MAT 4225
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-3
1.5
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
43
Incident Energy (MeV)
42-Mo-92

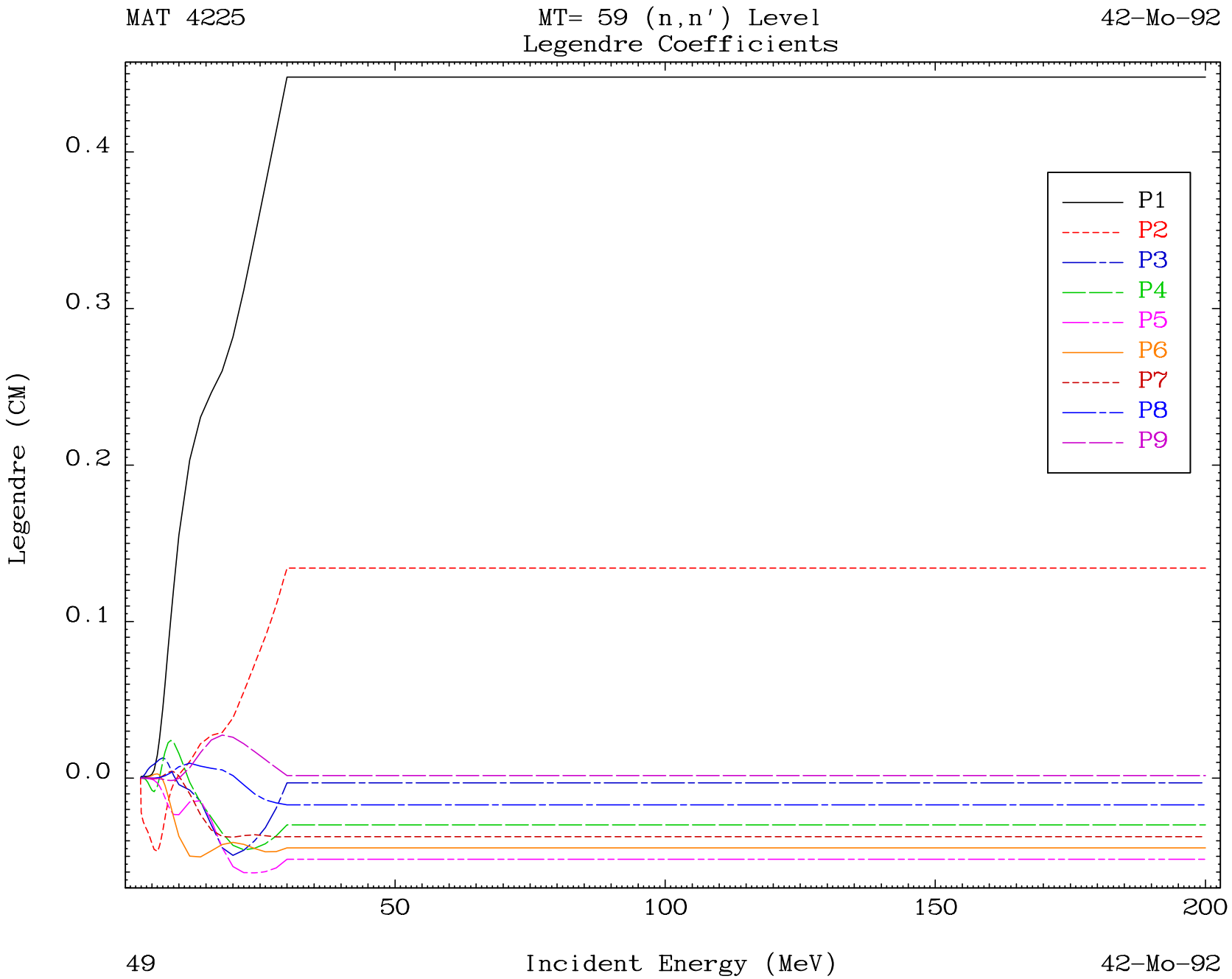

MAT 4225
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
42-Mo-92
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

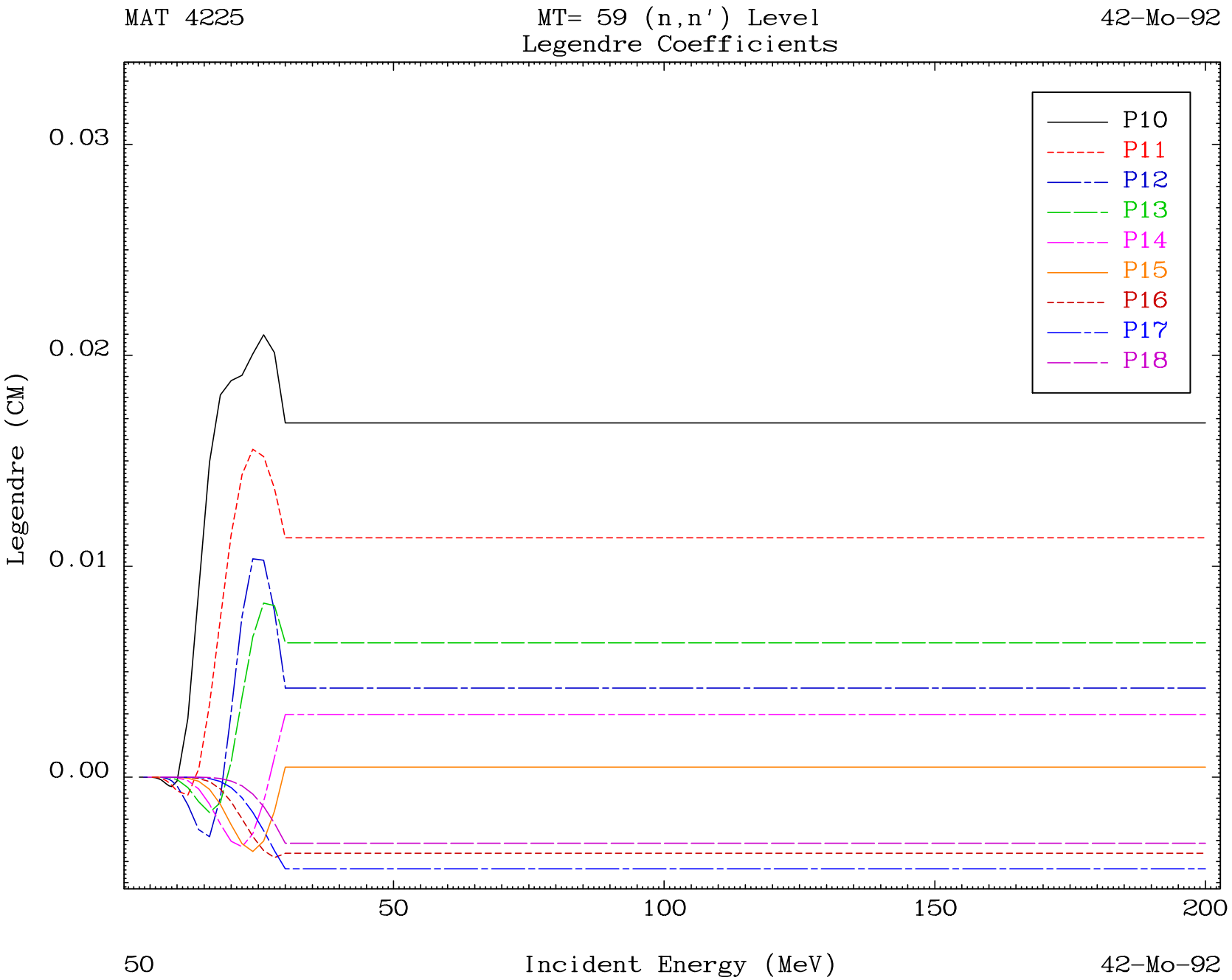

MAT 4225
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-92
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
45
Incident Energy (MeV)
42-Mo-92

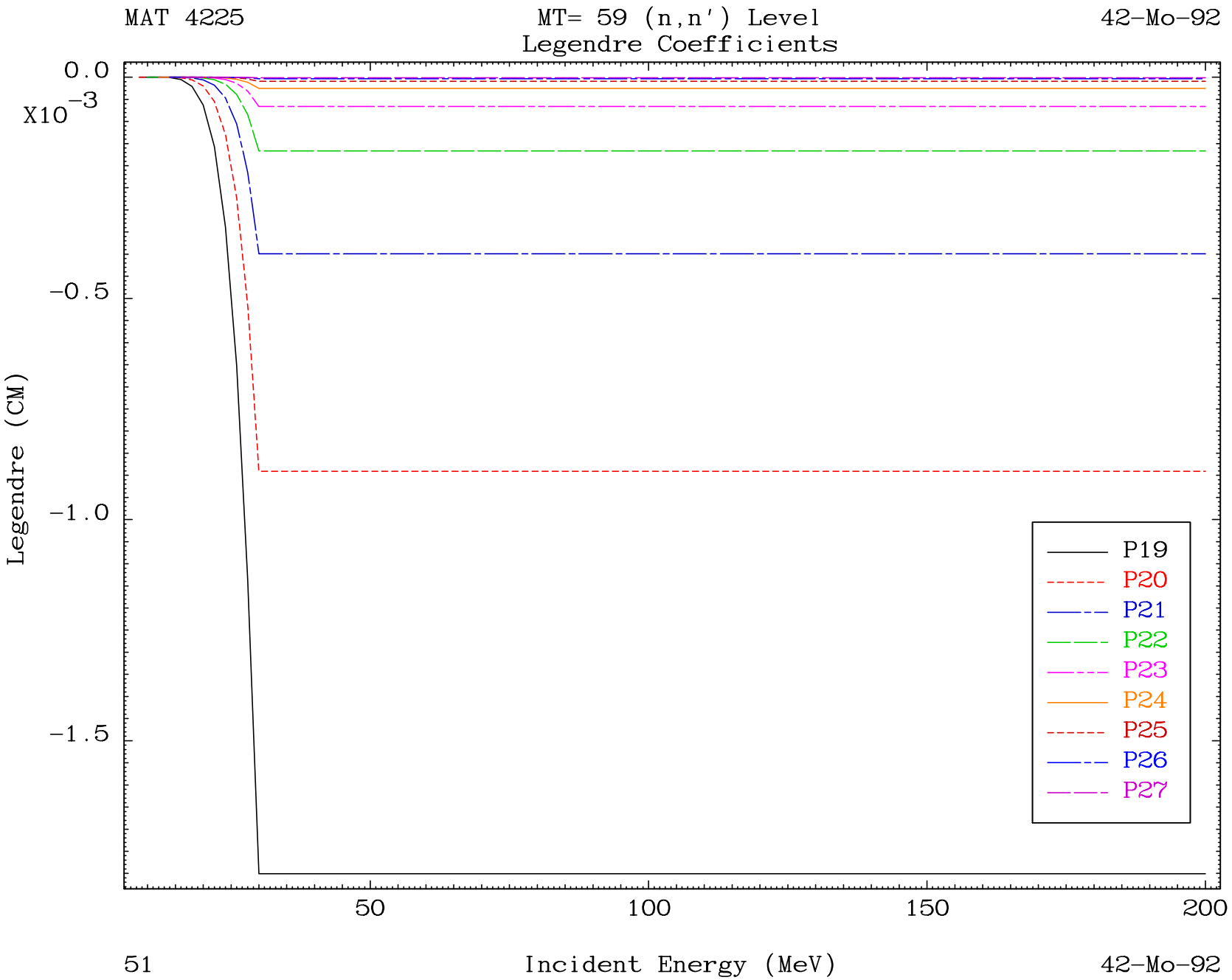

MAT 4225
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
42-Mo-92

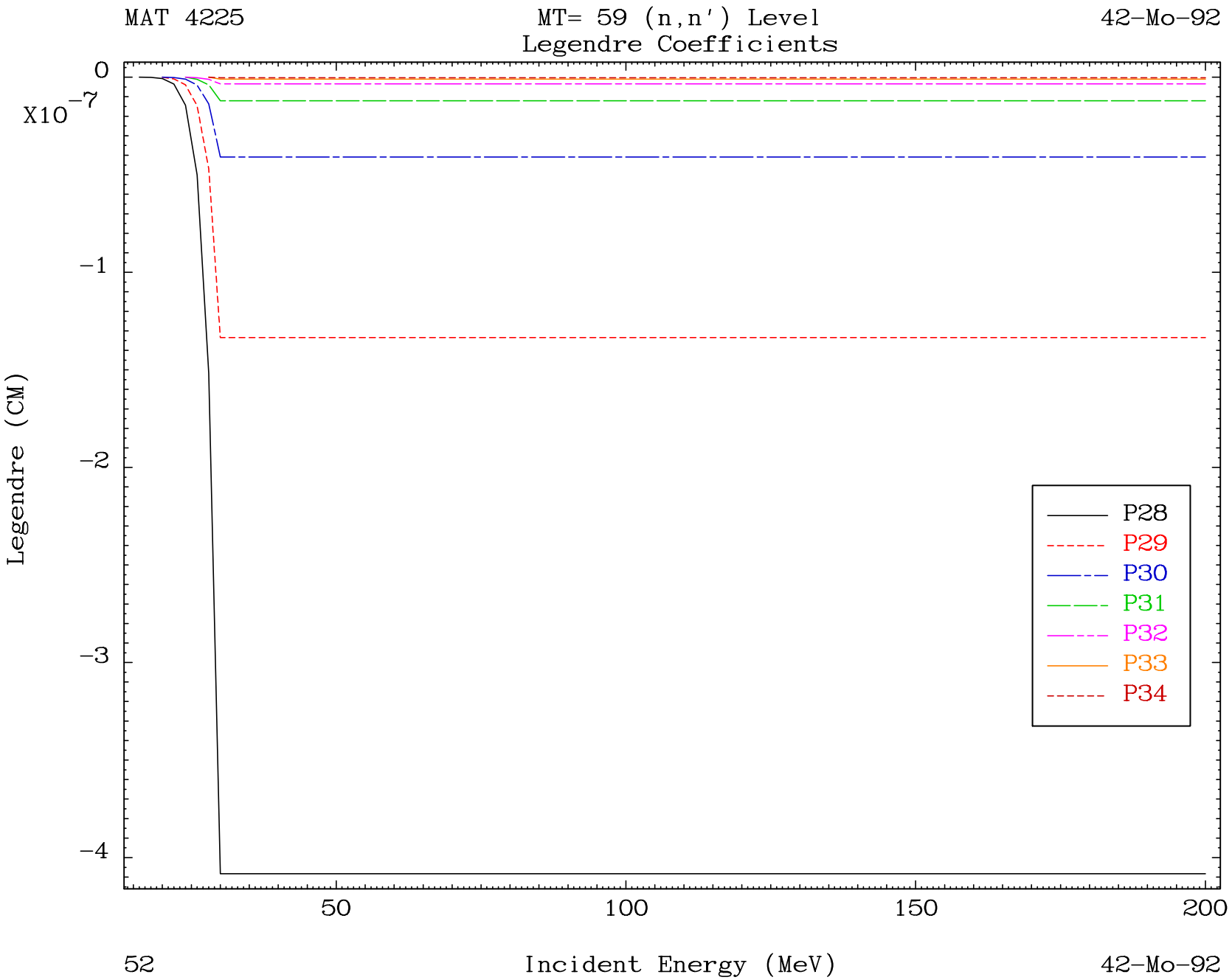

MAT 4225
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-92
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
P27
47
Incident Energy (MeV)
42-Mo-92

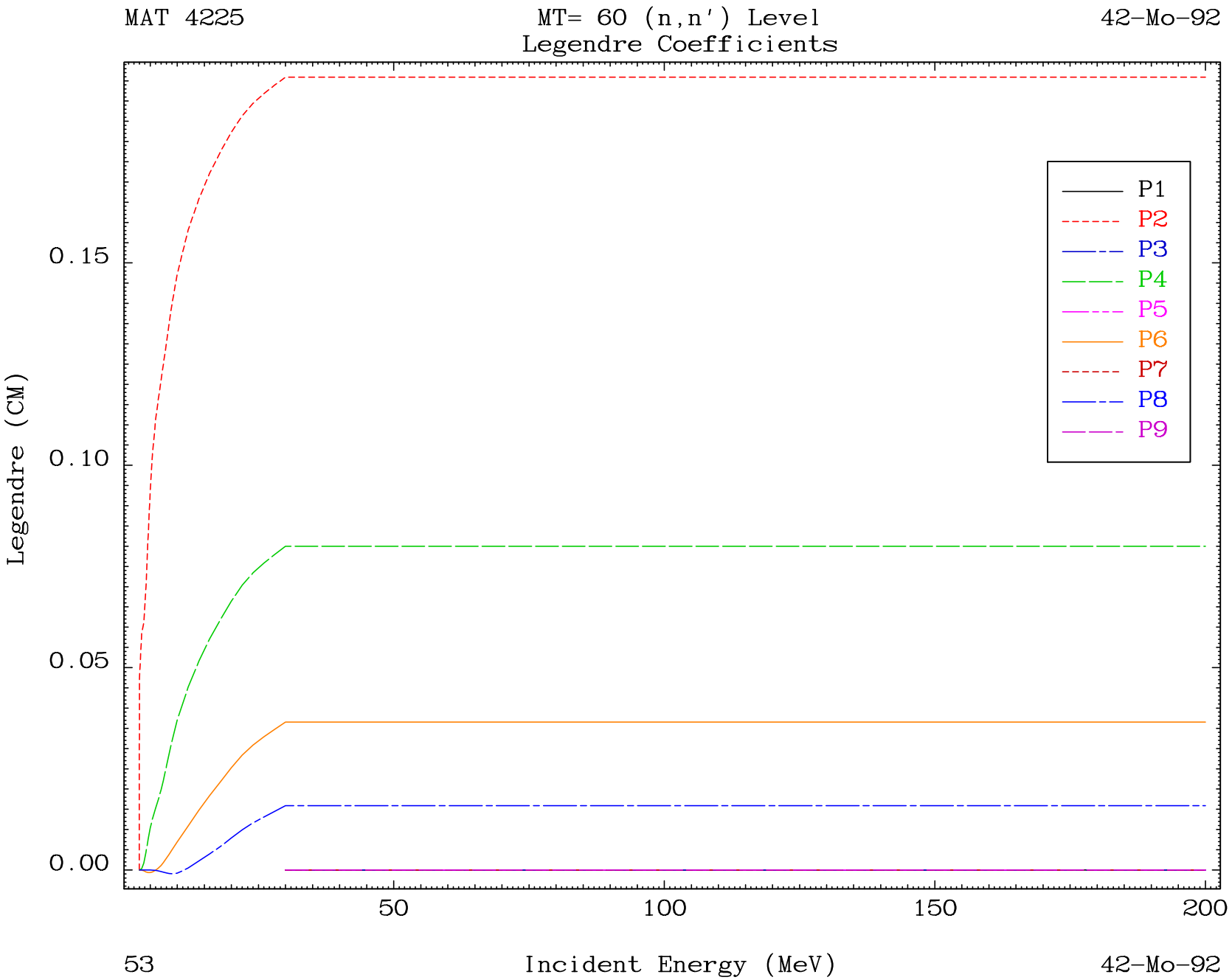

MAT 4225
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

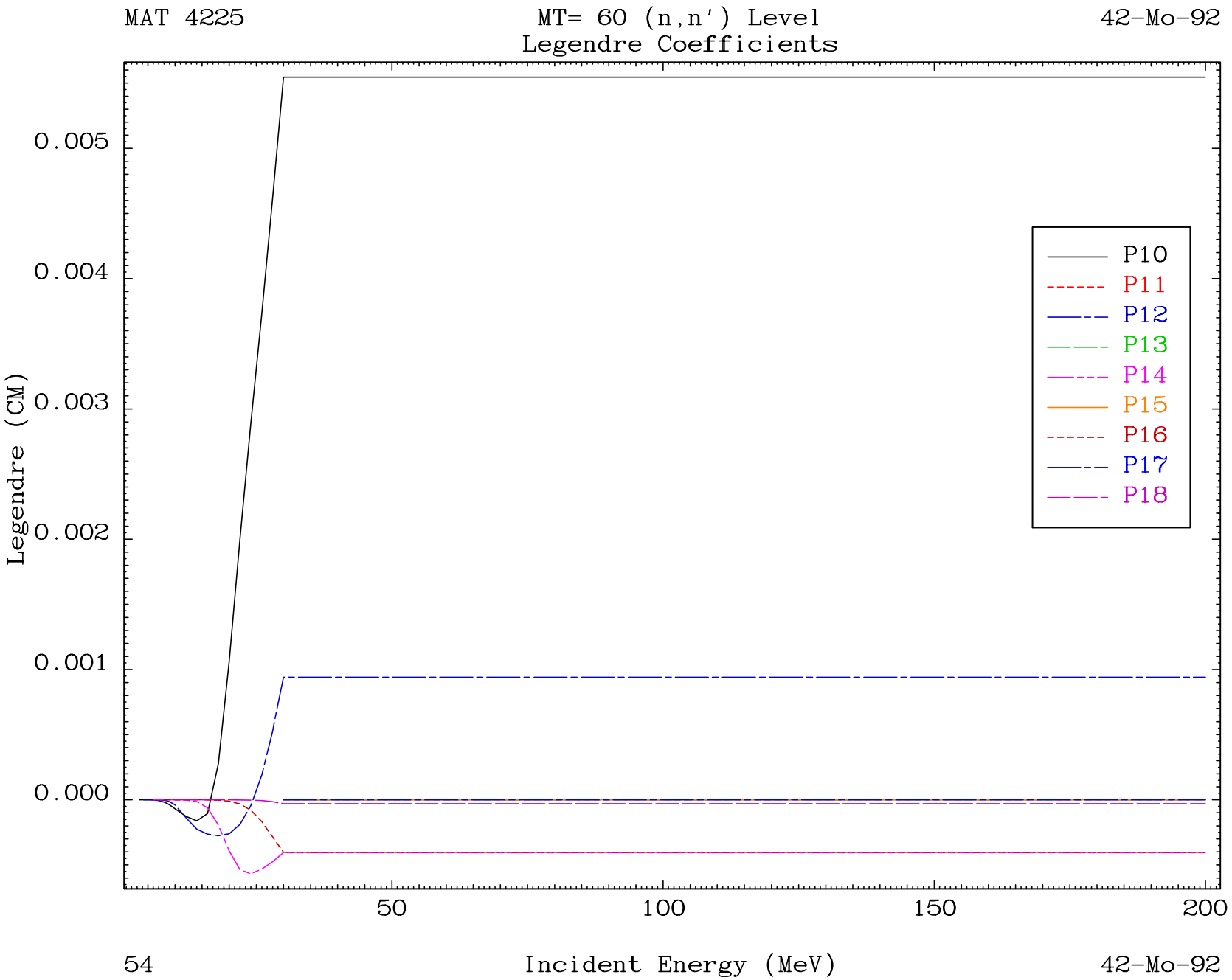

MAT 4225
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
49
Incident Energy (MeV)
42-Mo-92

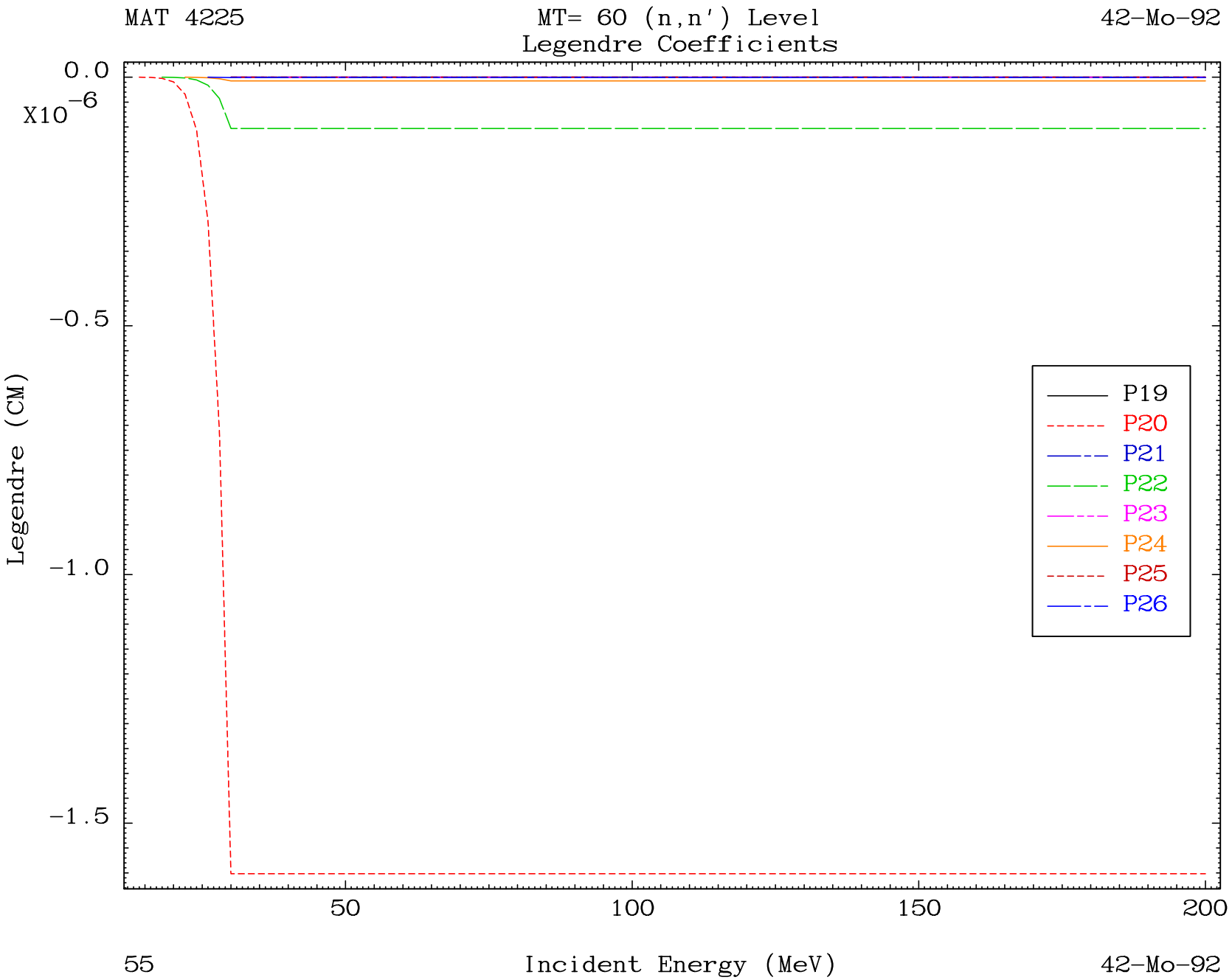

MAT 4225
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
42-Mo-92

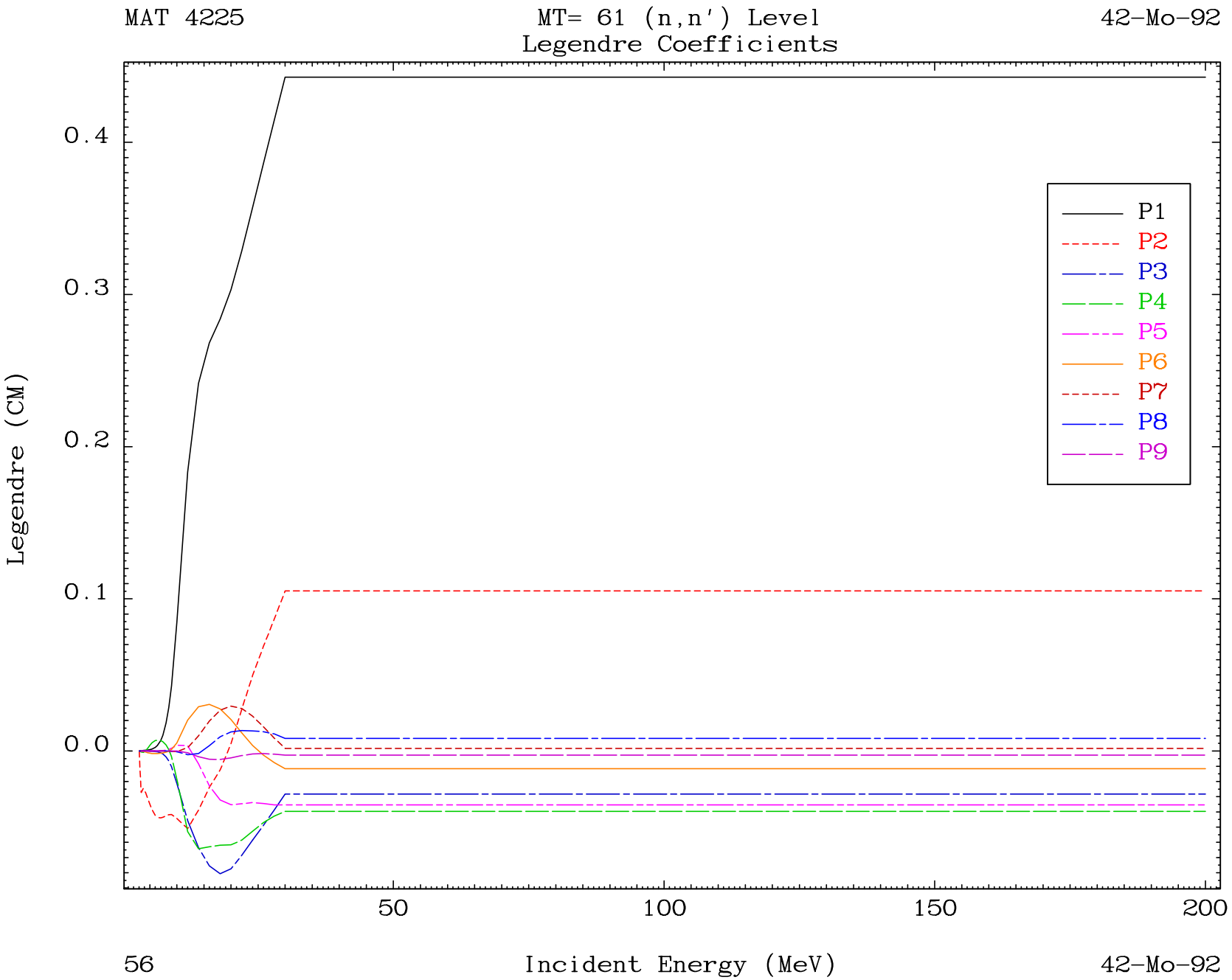

MAT 4225
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-3
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26
P27

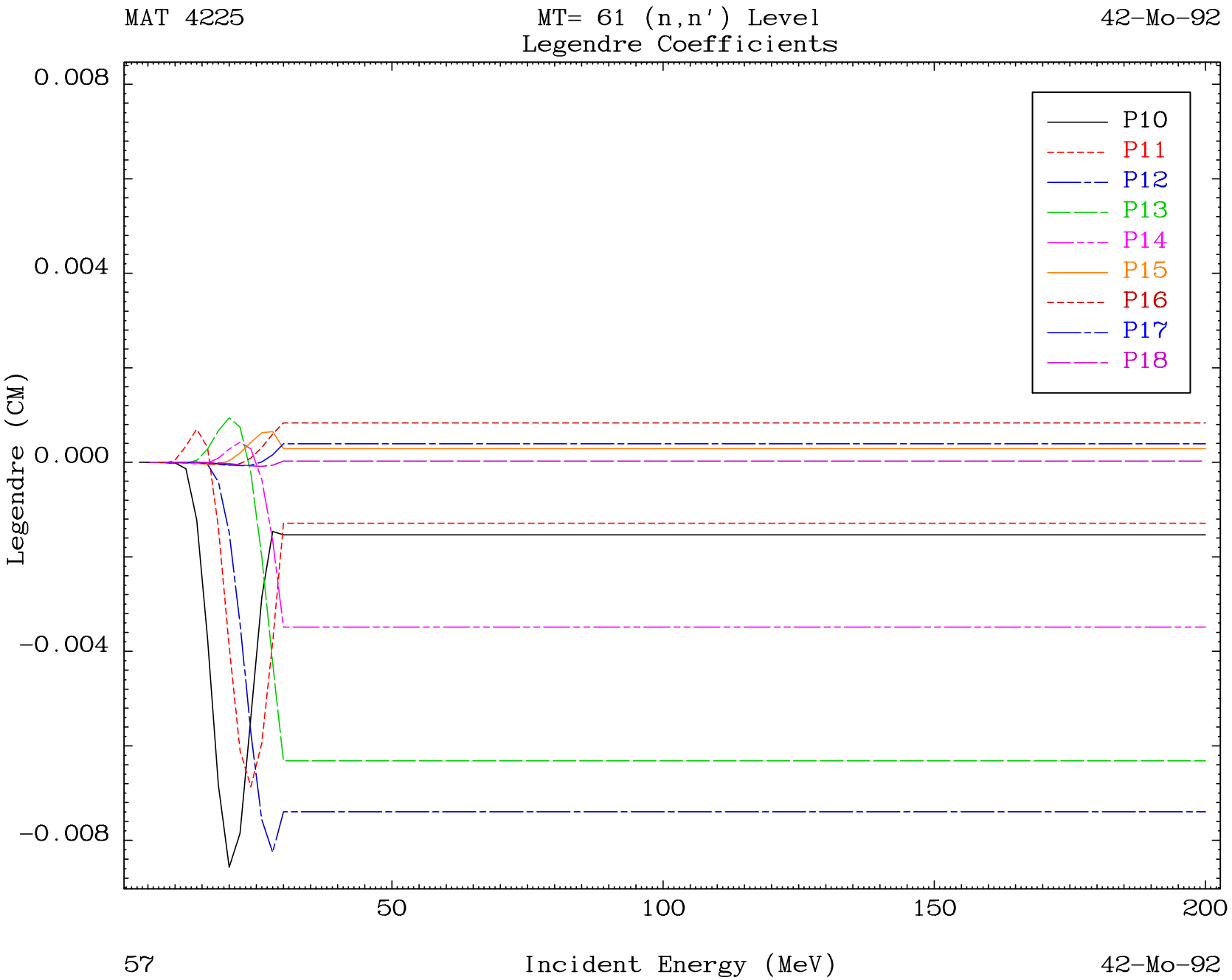

MAT 4225
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

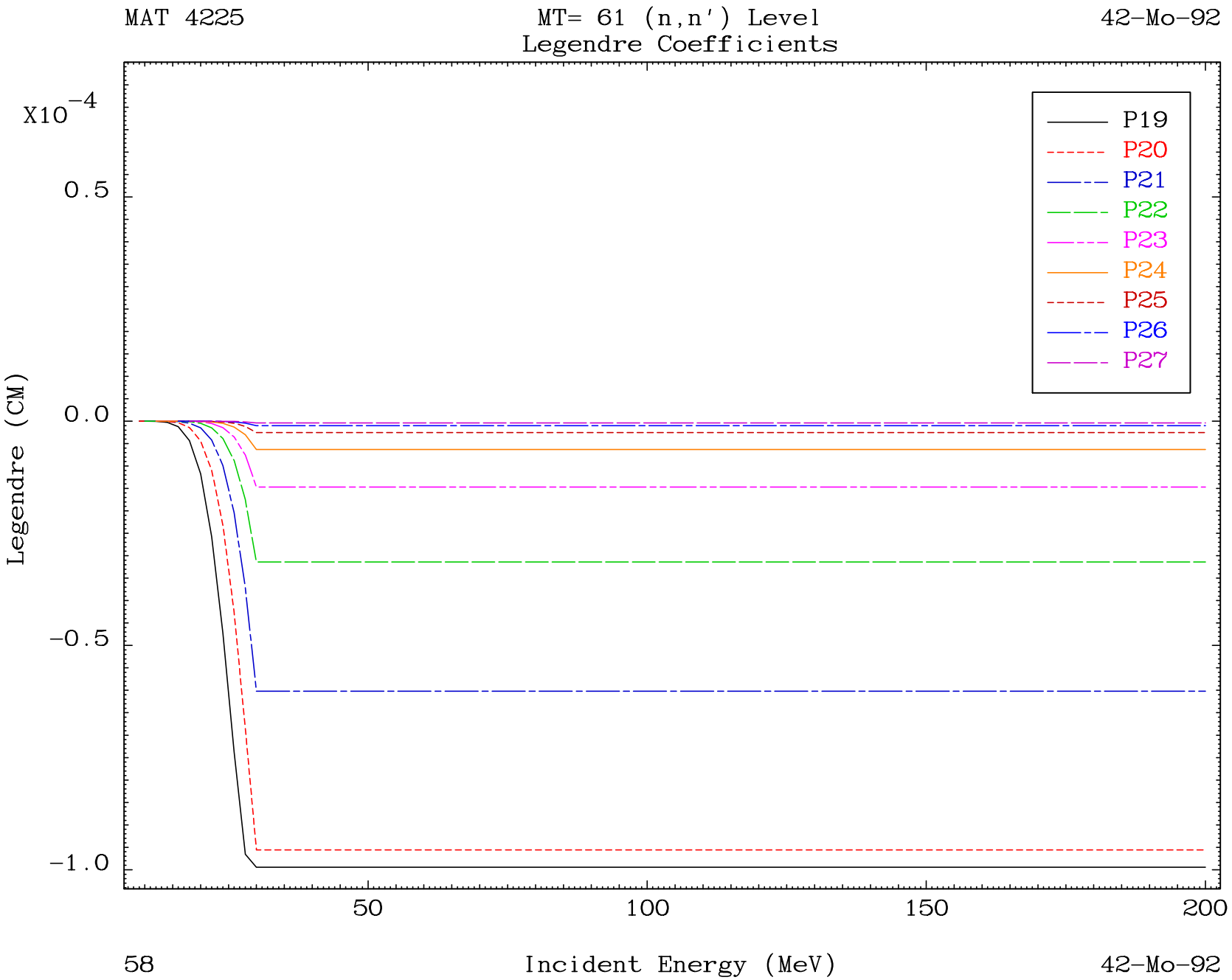

MAT 4225
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.15
0.10
0.05
0.00
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
53
Incident Energy (MeV)
42-Mo-92

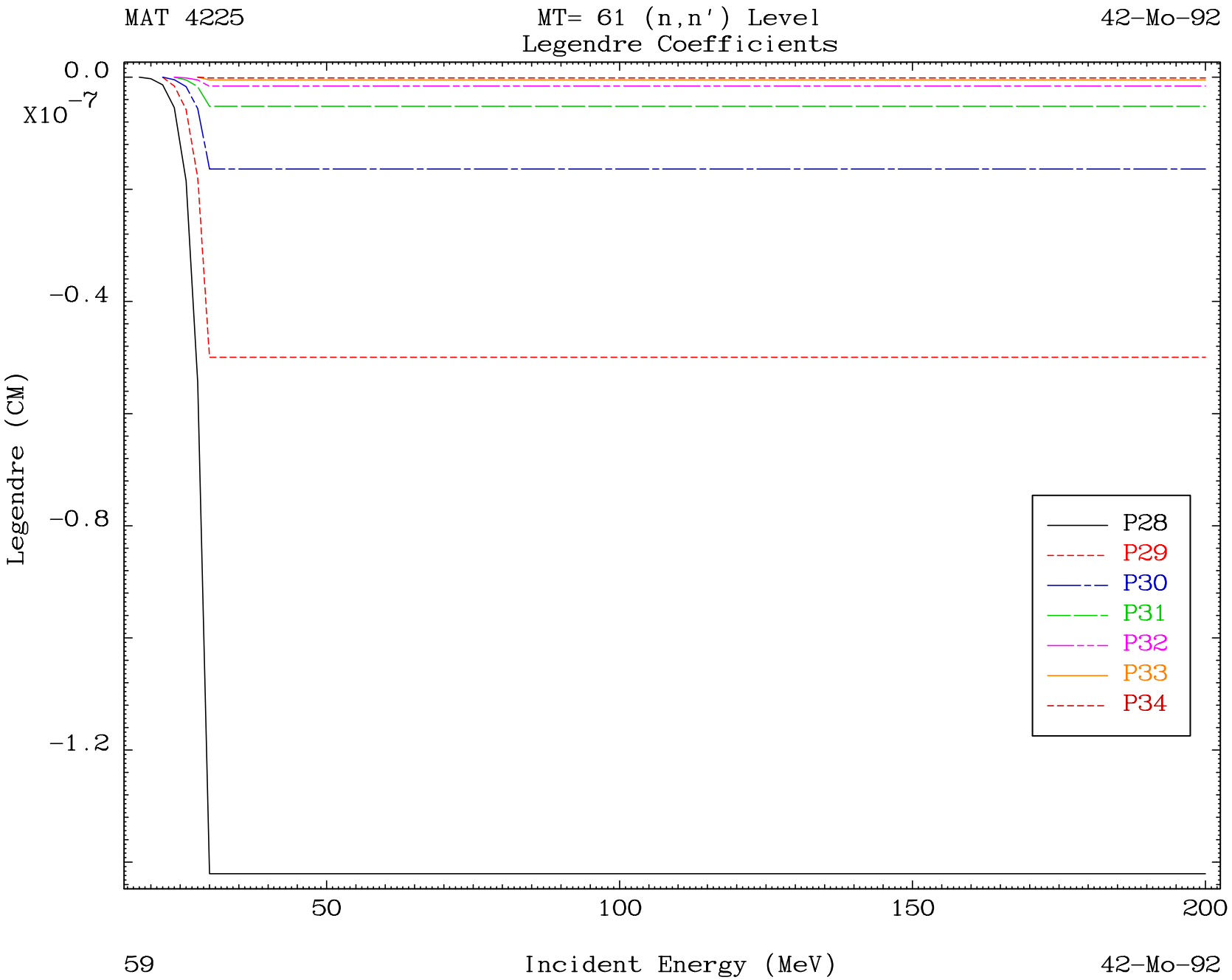

MAT 4225
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-92
0.005
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
54
Incident Energy (MeV)
42-Mo-92

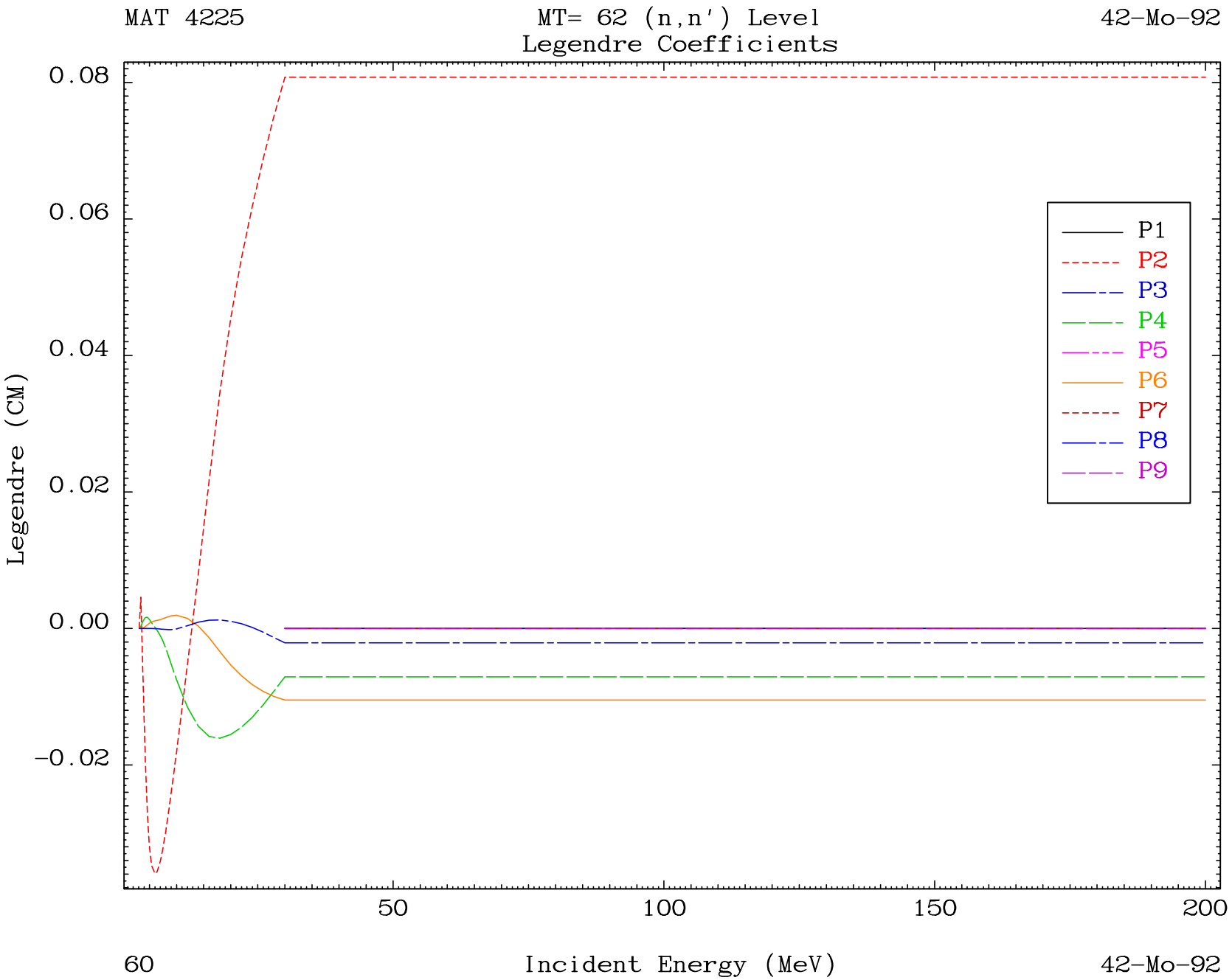

MAT 4225
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
55
Incident Energy (MeV)
42-Mo-92

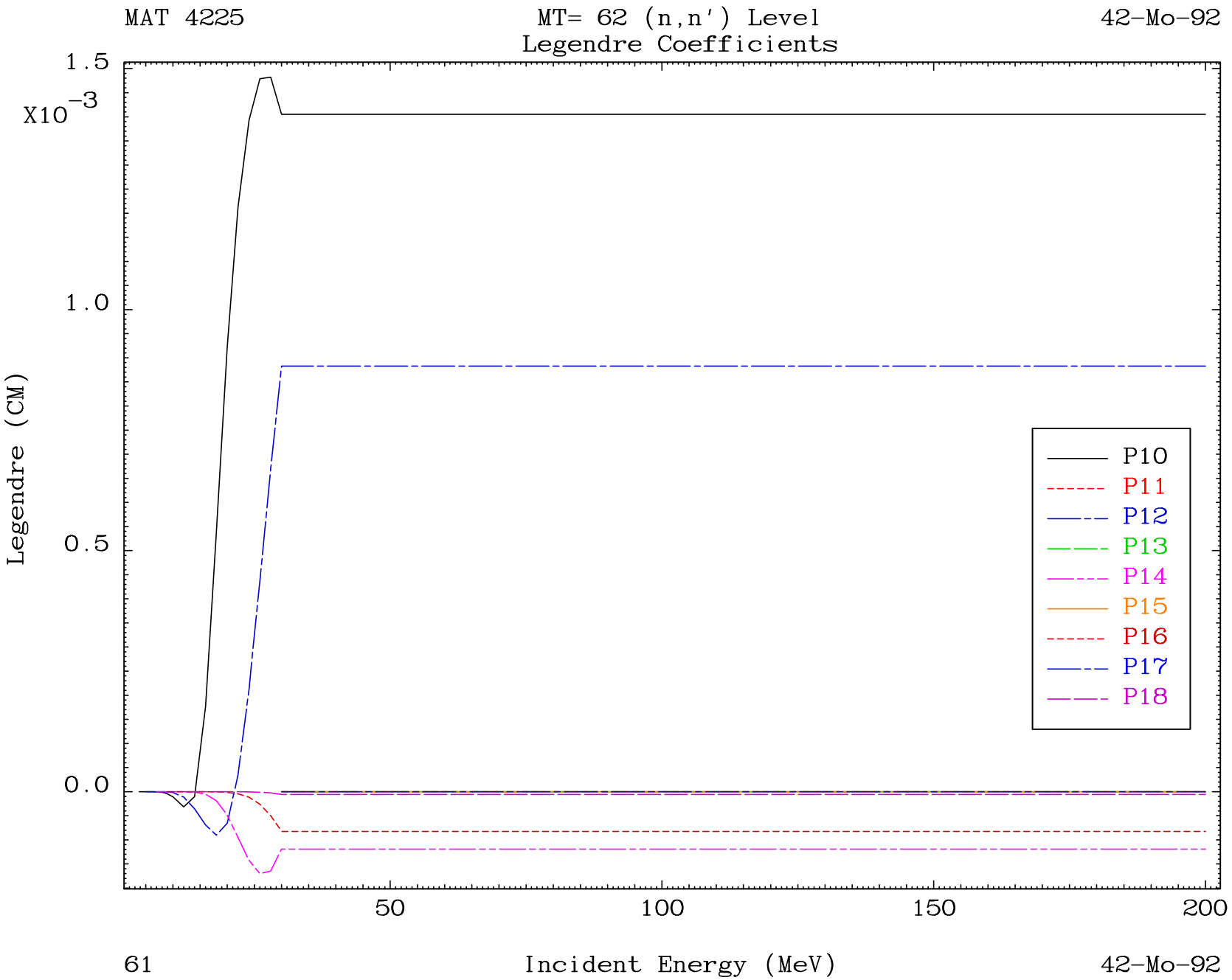

MAT 4225
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
56
Incident Energy (MeV)
42-Mo-92

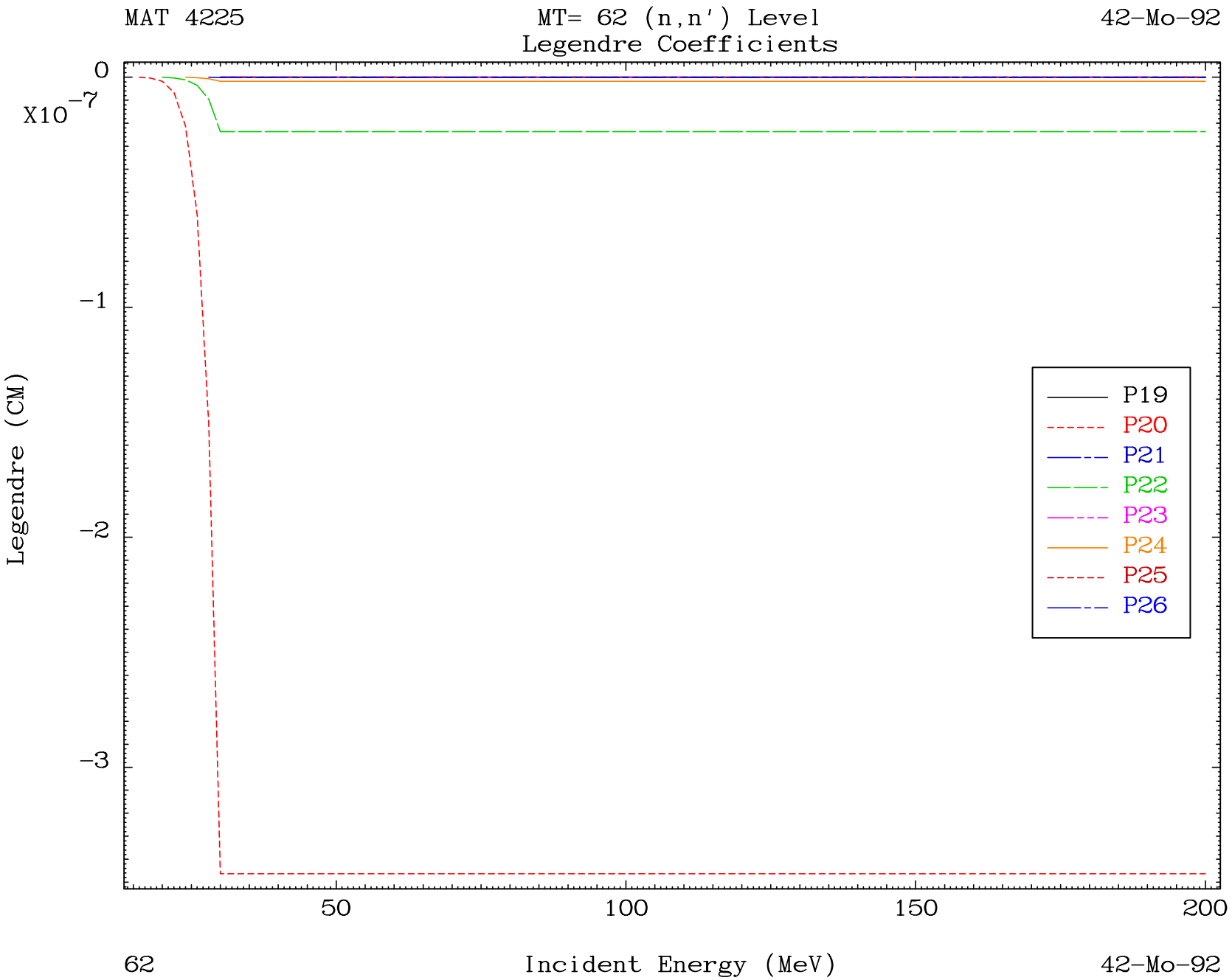

MAT 4225
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-92
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
57
Incident Energy (MeV)
42-Mo-92

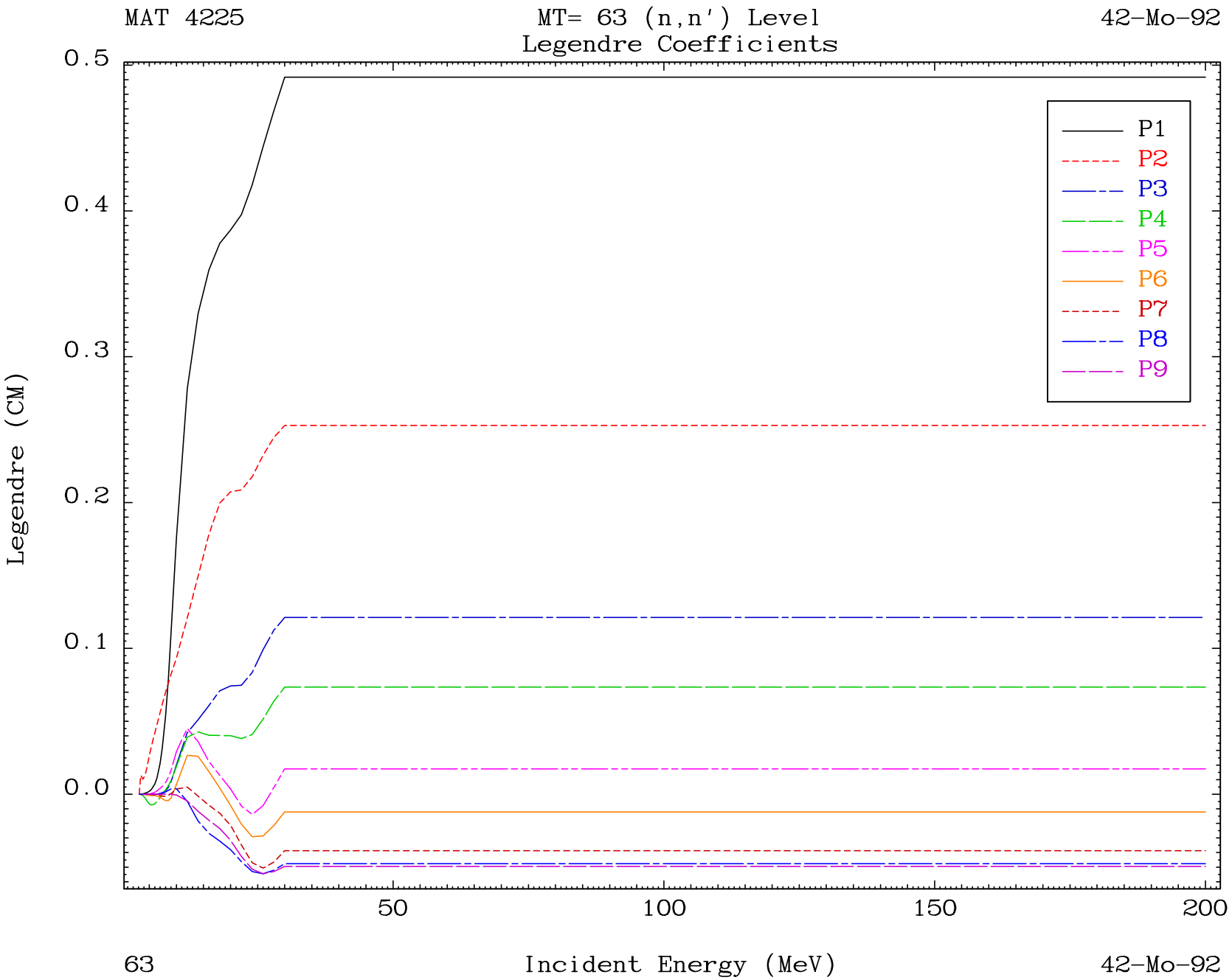

MAT 4225
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
0.5
0.0
-0.5
-1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
58
Incident Energy (MeV)
42-Mo-92

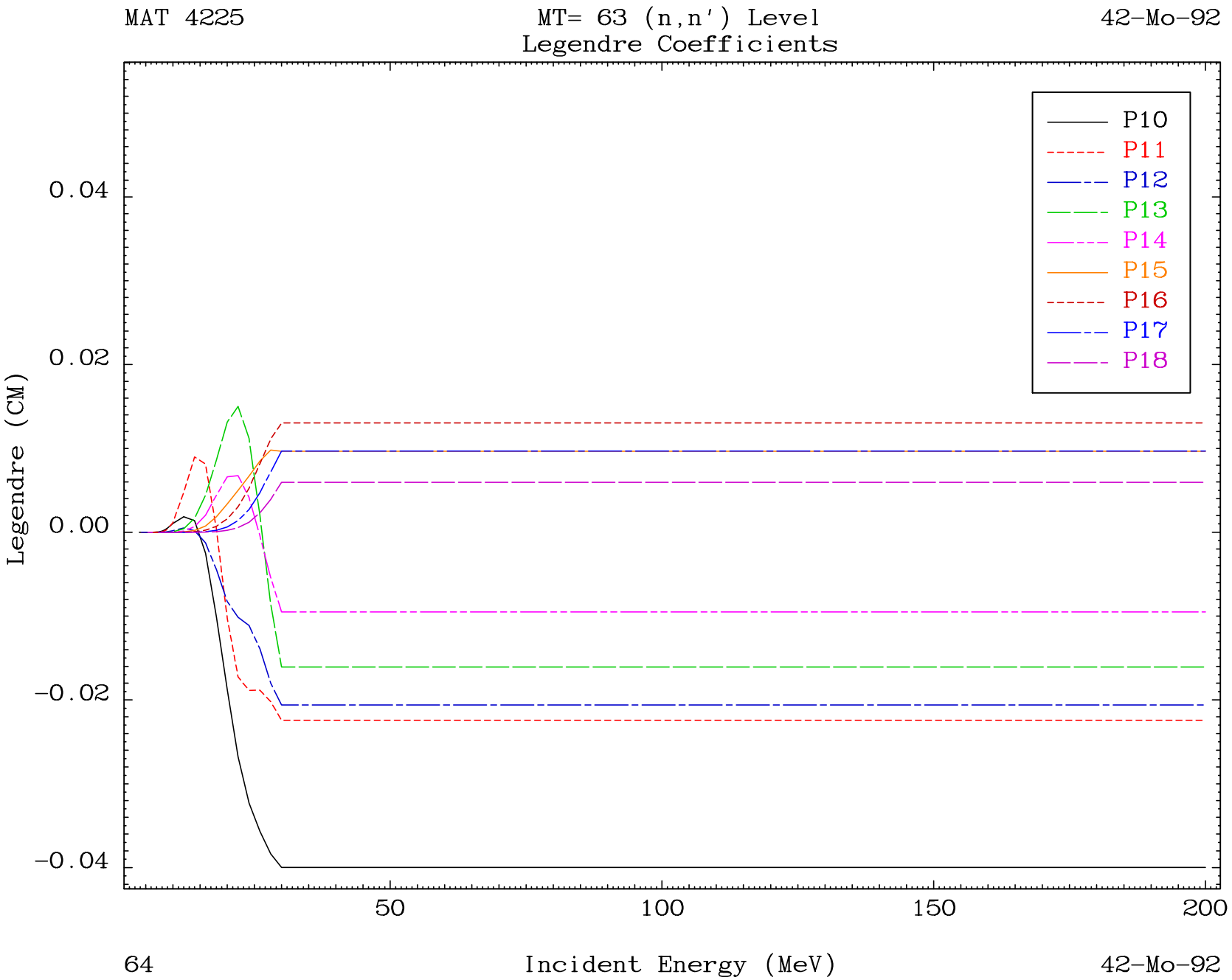

MAT 4225
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10-7
-0.4
-0.8
-1.2
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

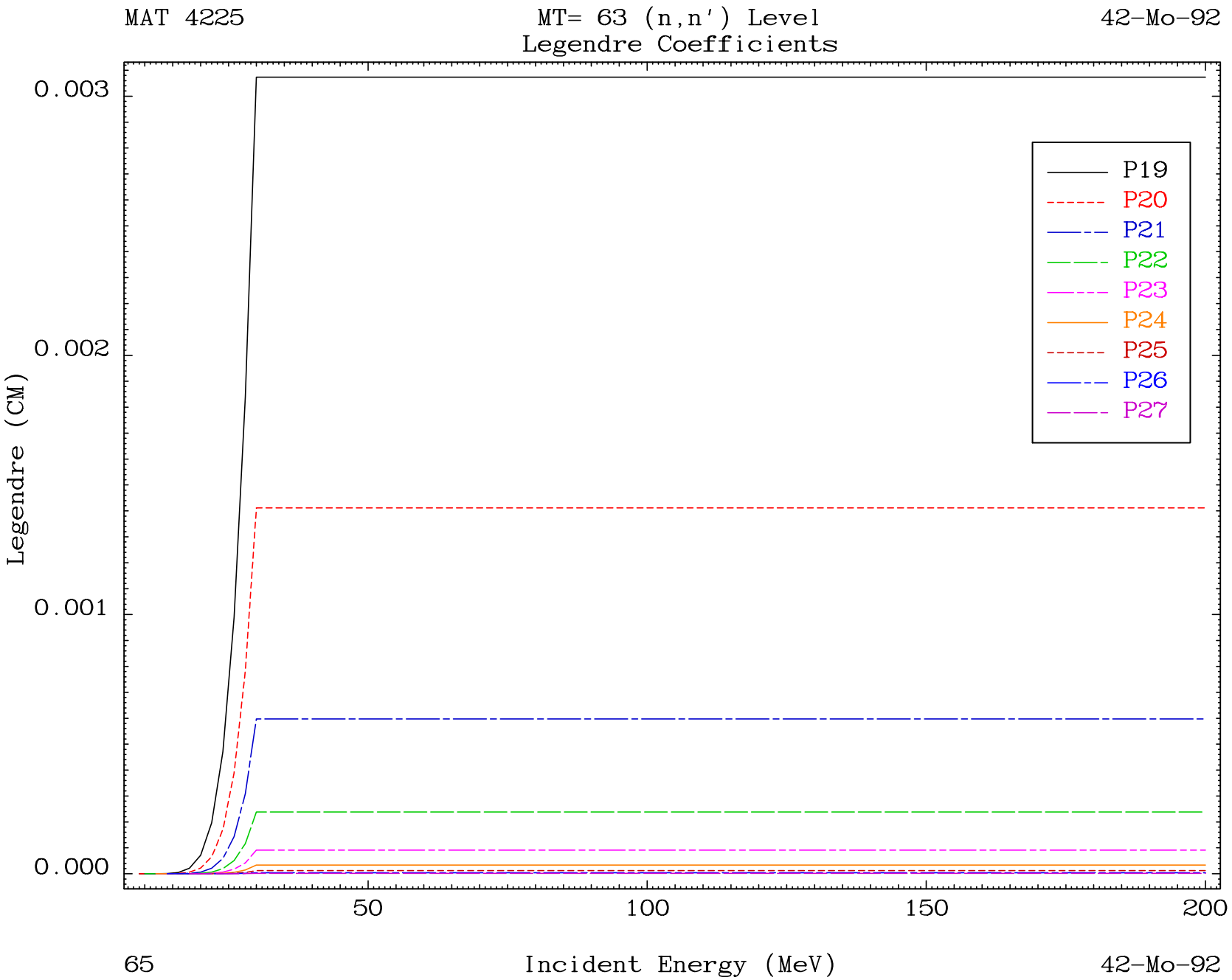

MAT 4225
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-92
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
60
Incident Energy (MeV)
42-Mo-92

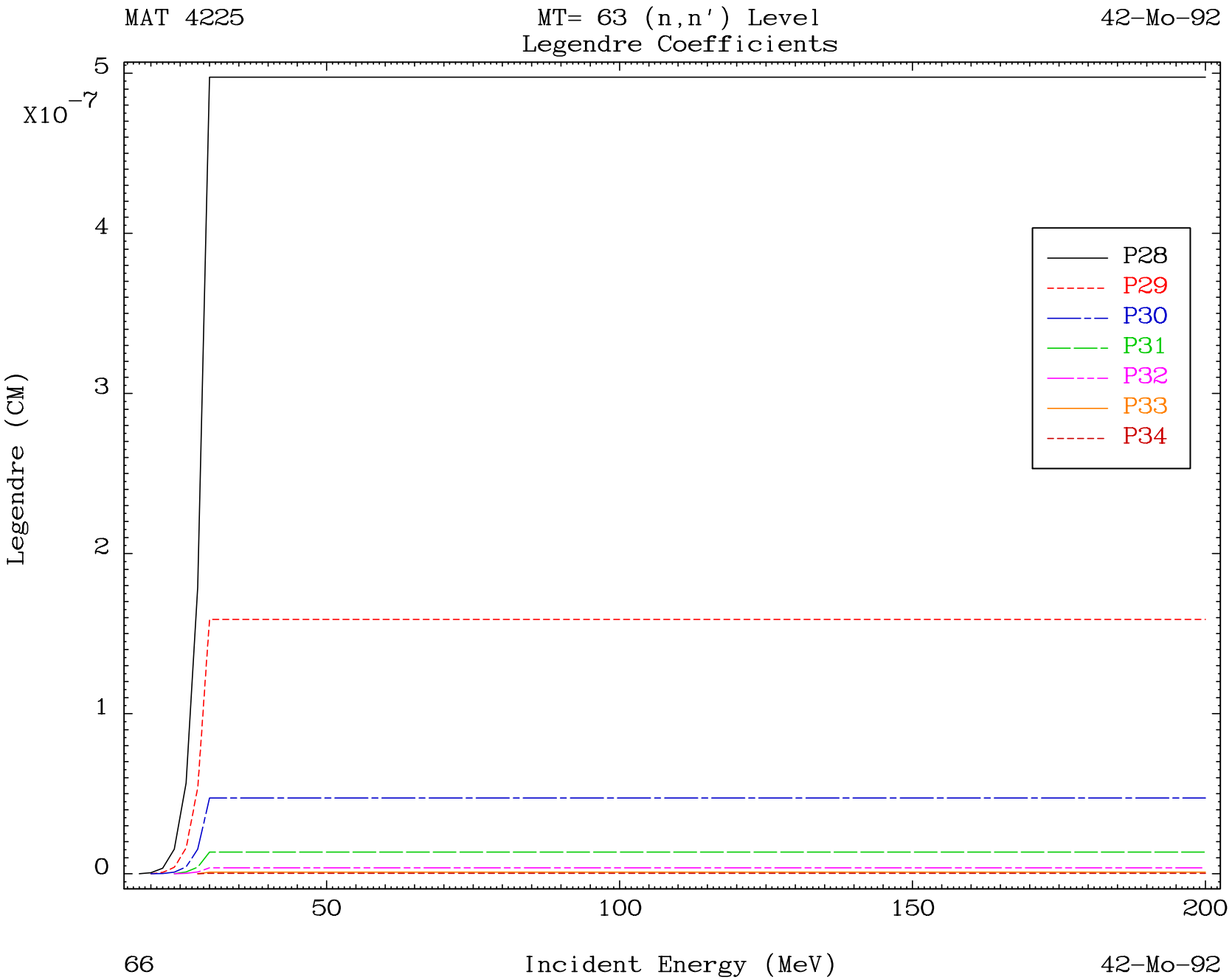

MAT 4225
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-92
1.5
X10^-3
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18

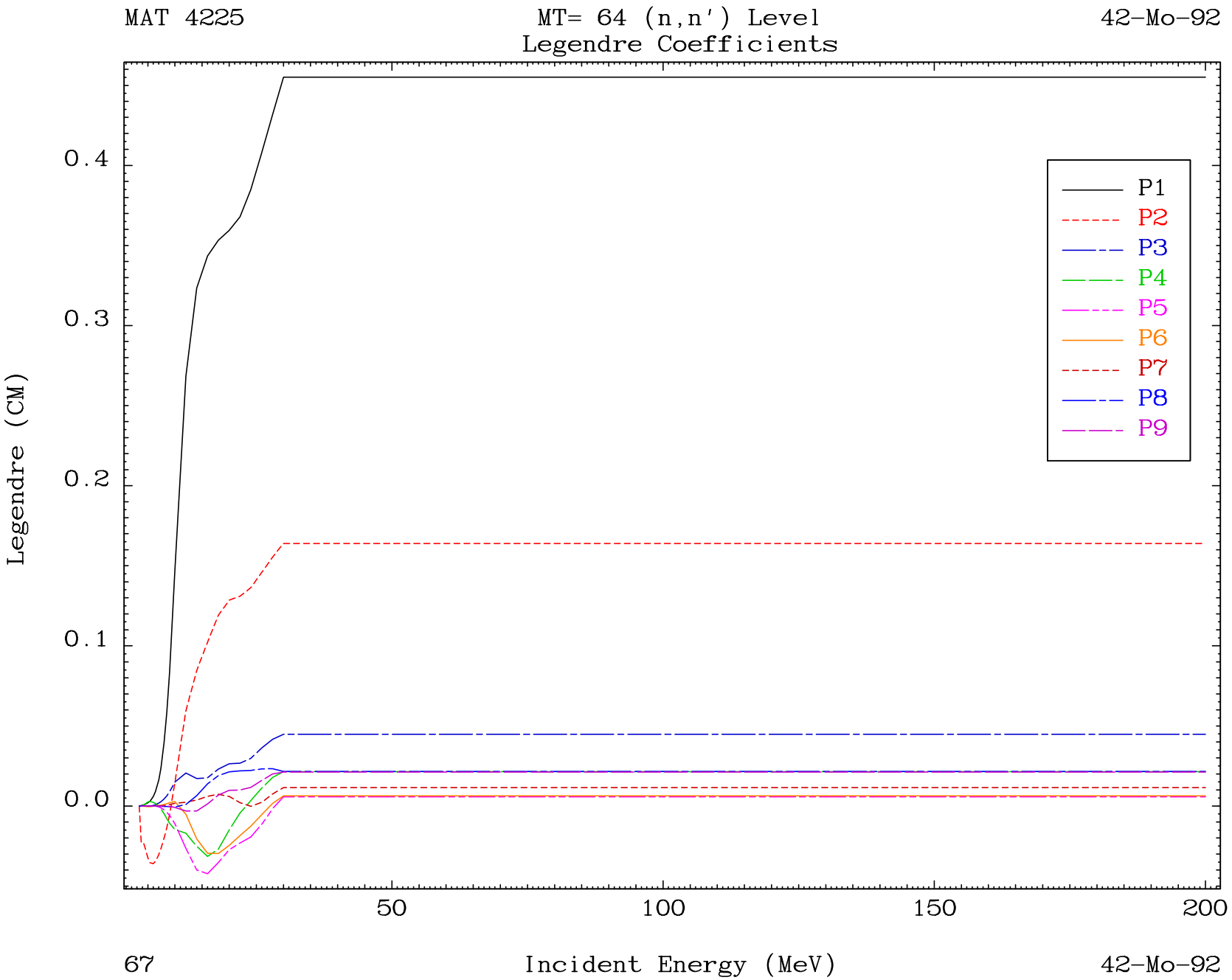

MAT 4225
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-1
-2
-3
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26

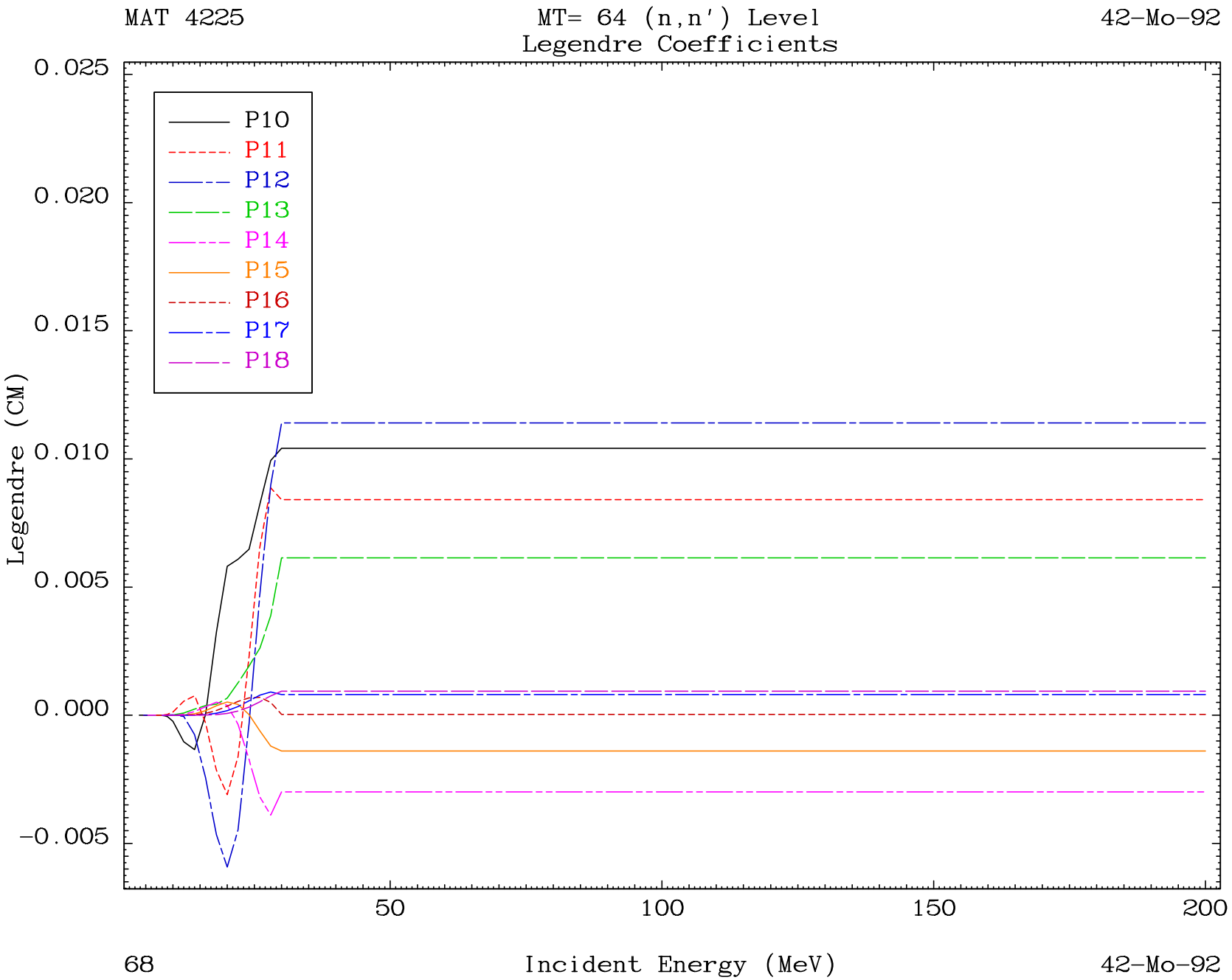

MAT 4225
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-92
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
63
Incident Energy (MeV)
42-Mo-92

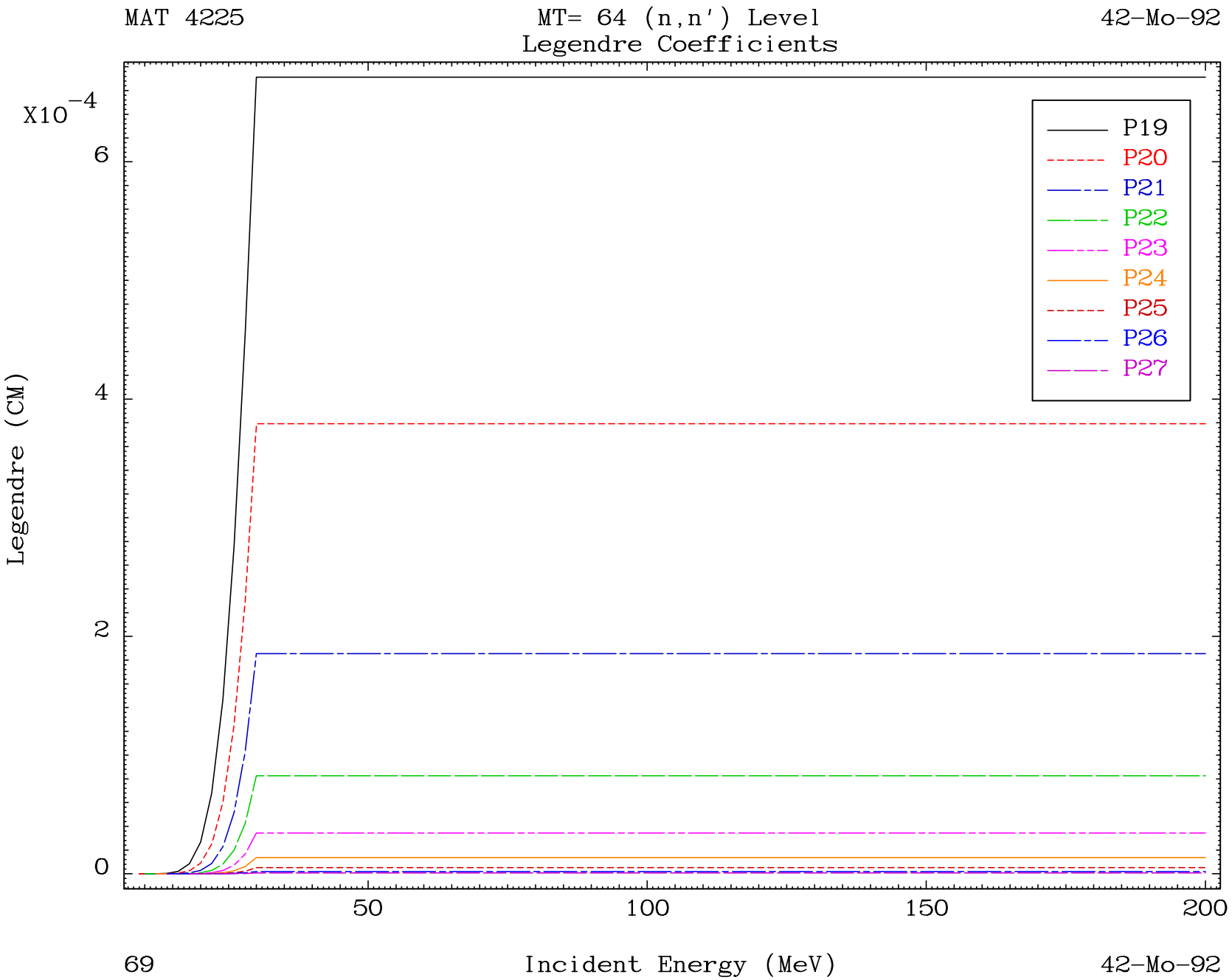

MAT 4225
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
42-Mo-92

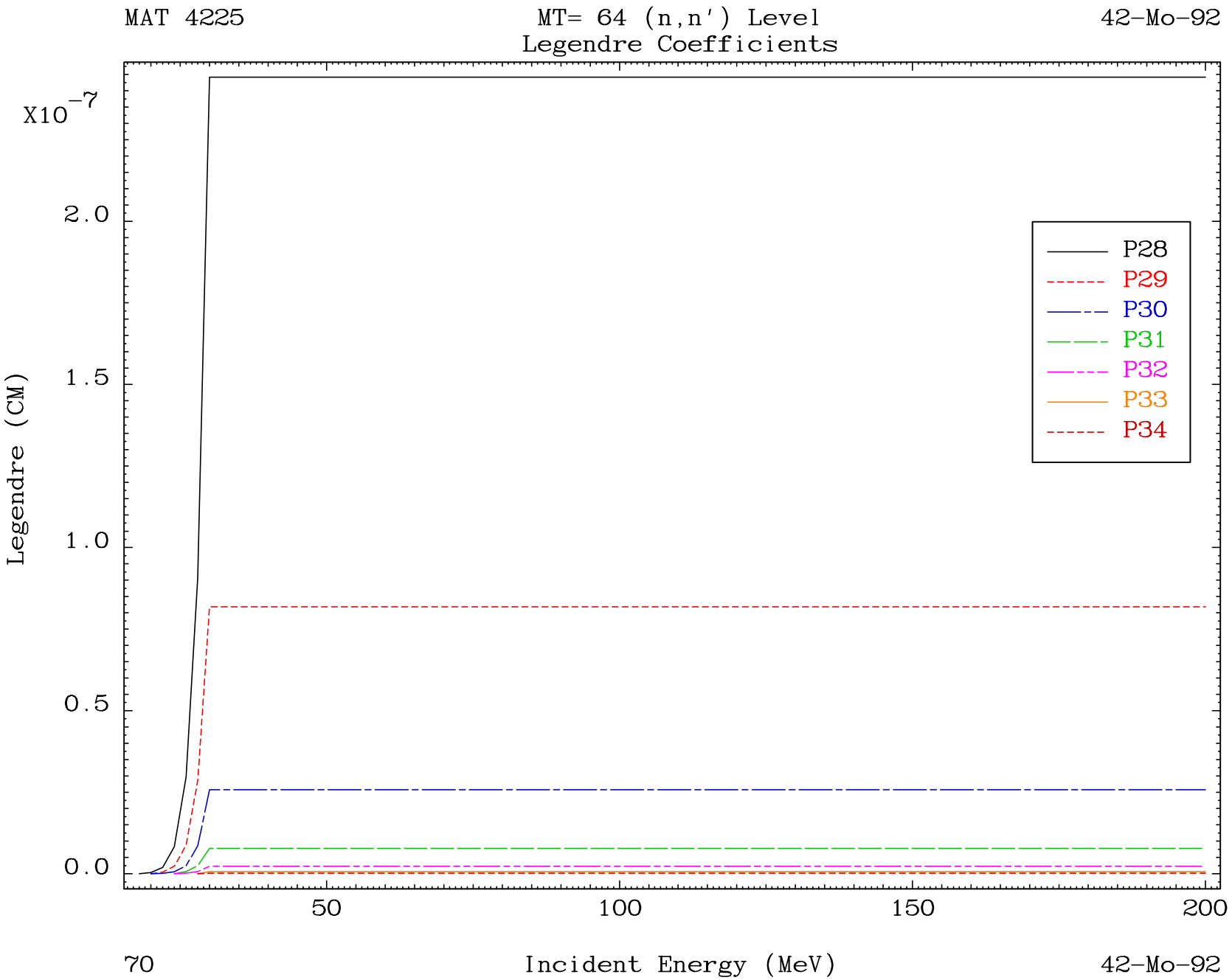

MAT 4225
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-92
0.003
0.002
0.001
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
65
Incident Energy (MeV)
42-Mo-92

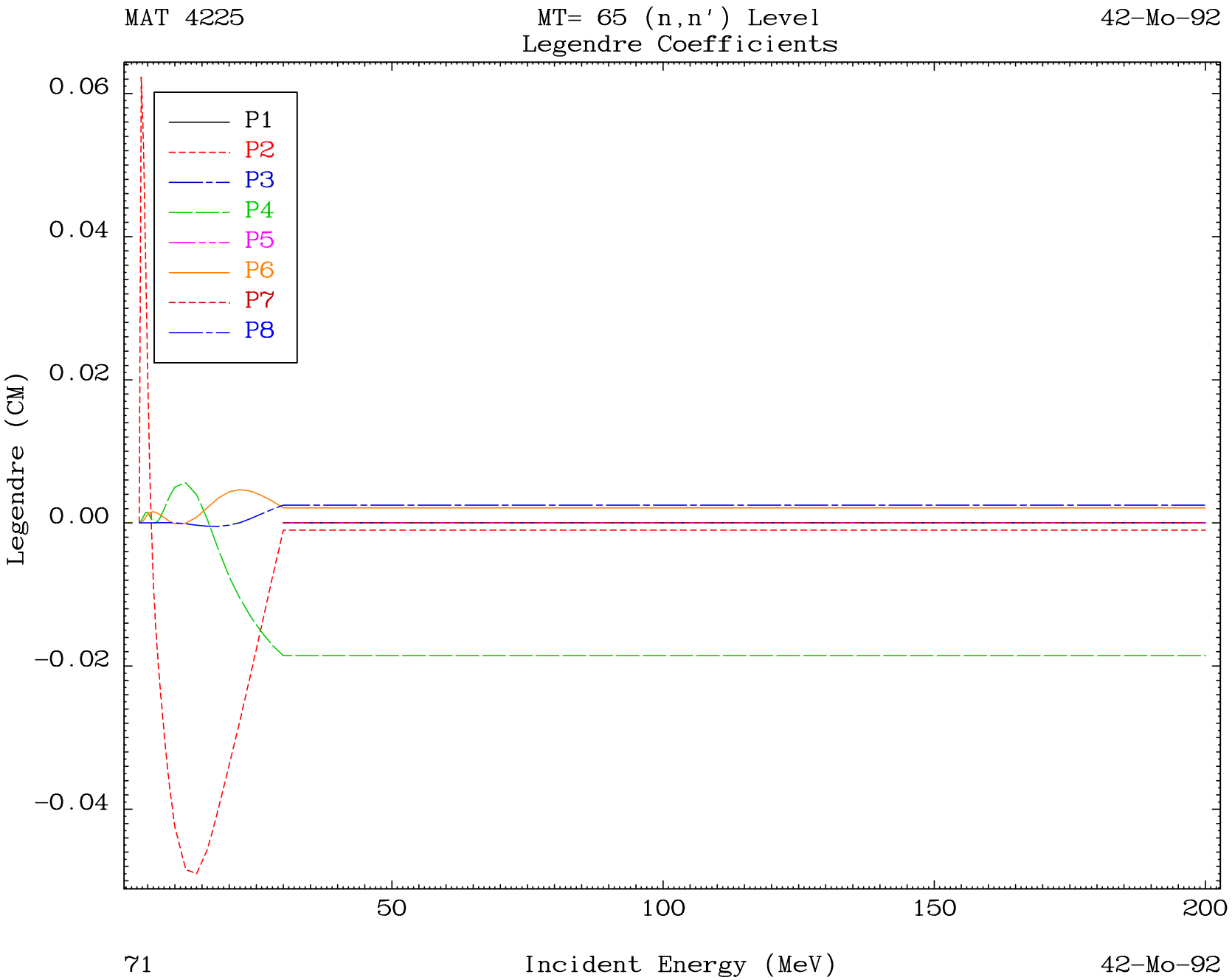

MAT 4225
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-7
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

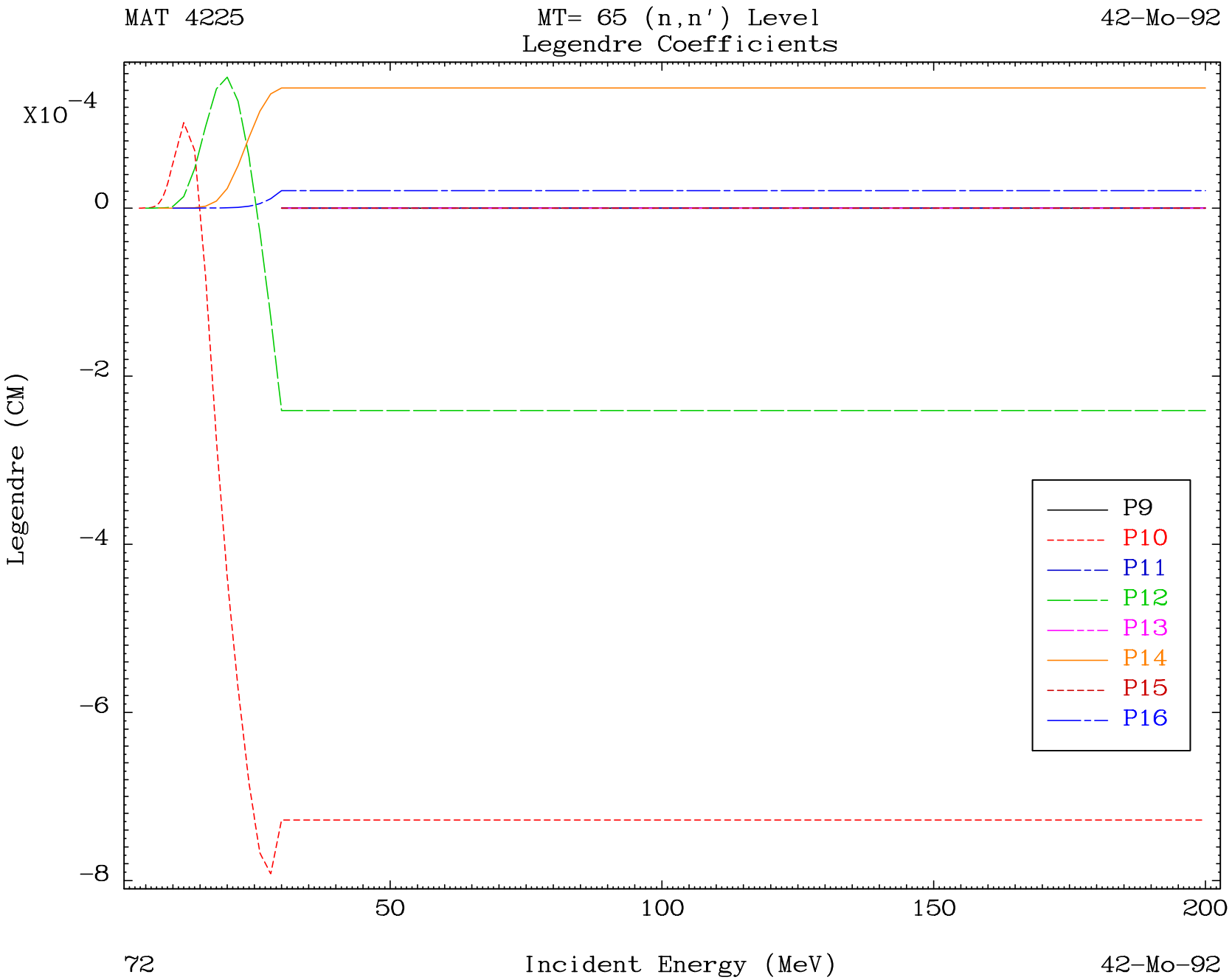

MAT 4225
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
67
Incident Energy (MeV)
42-Mo-92

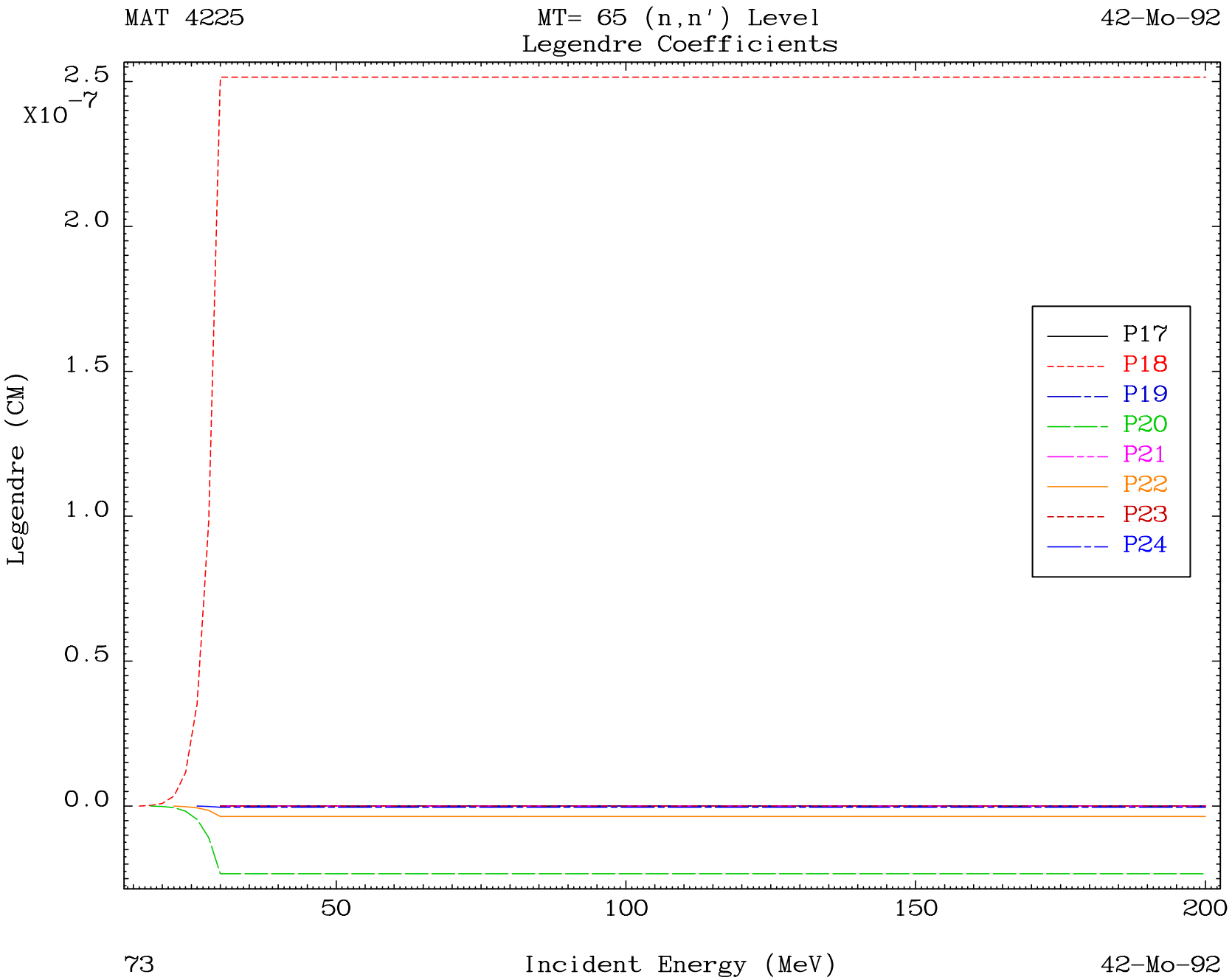

MAT 4225
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
42-Mo-92

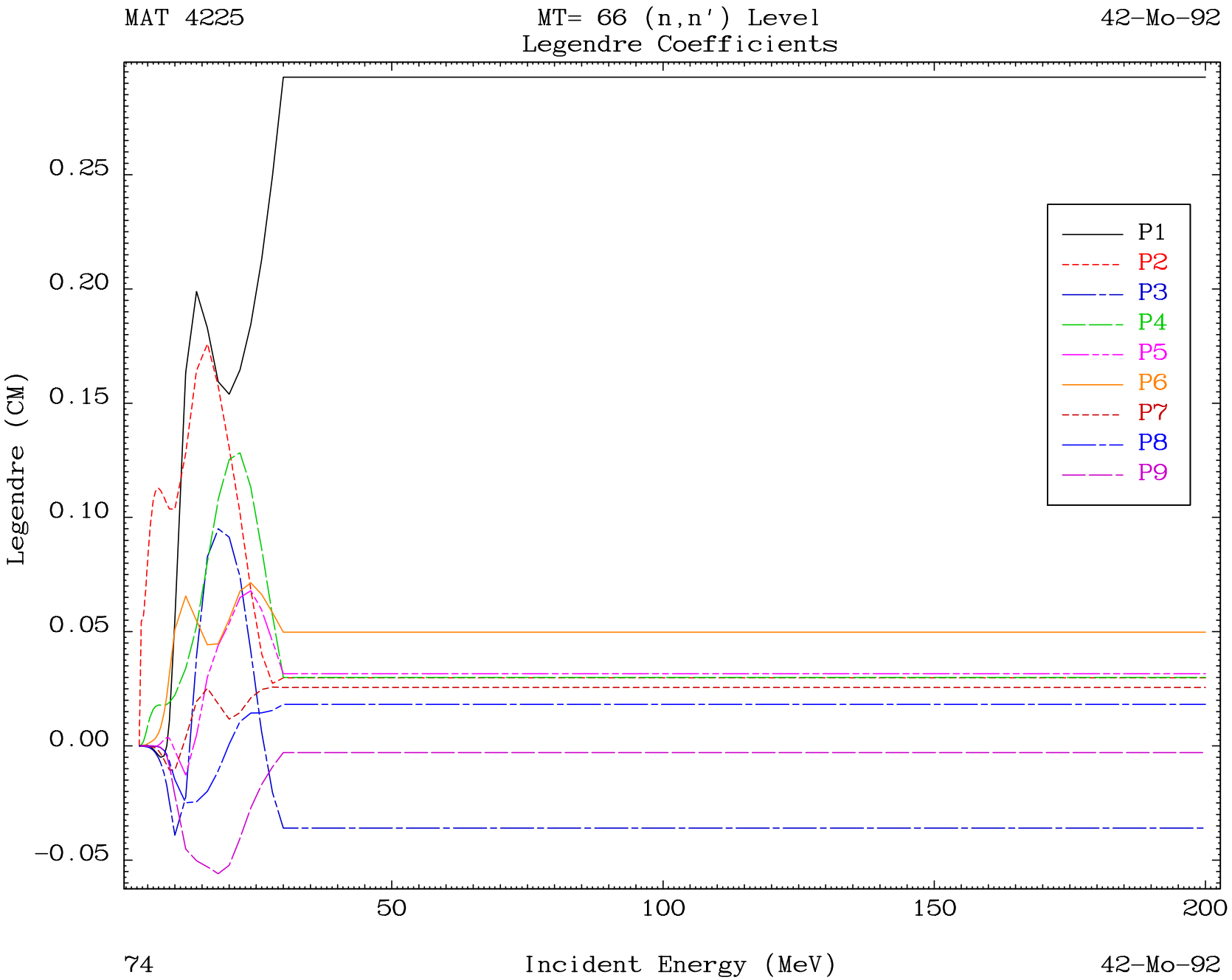

MAT 4225
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
69
Incident Energy (MeV)
42-Mo-92

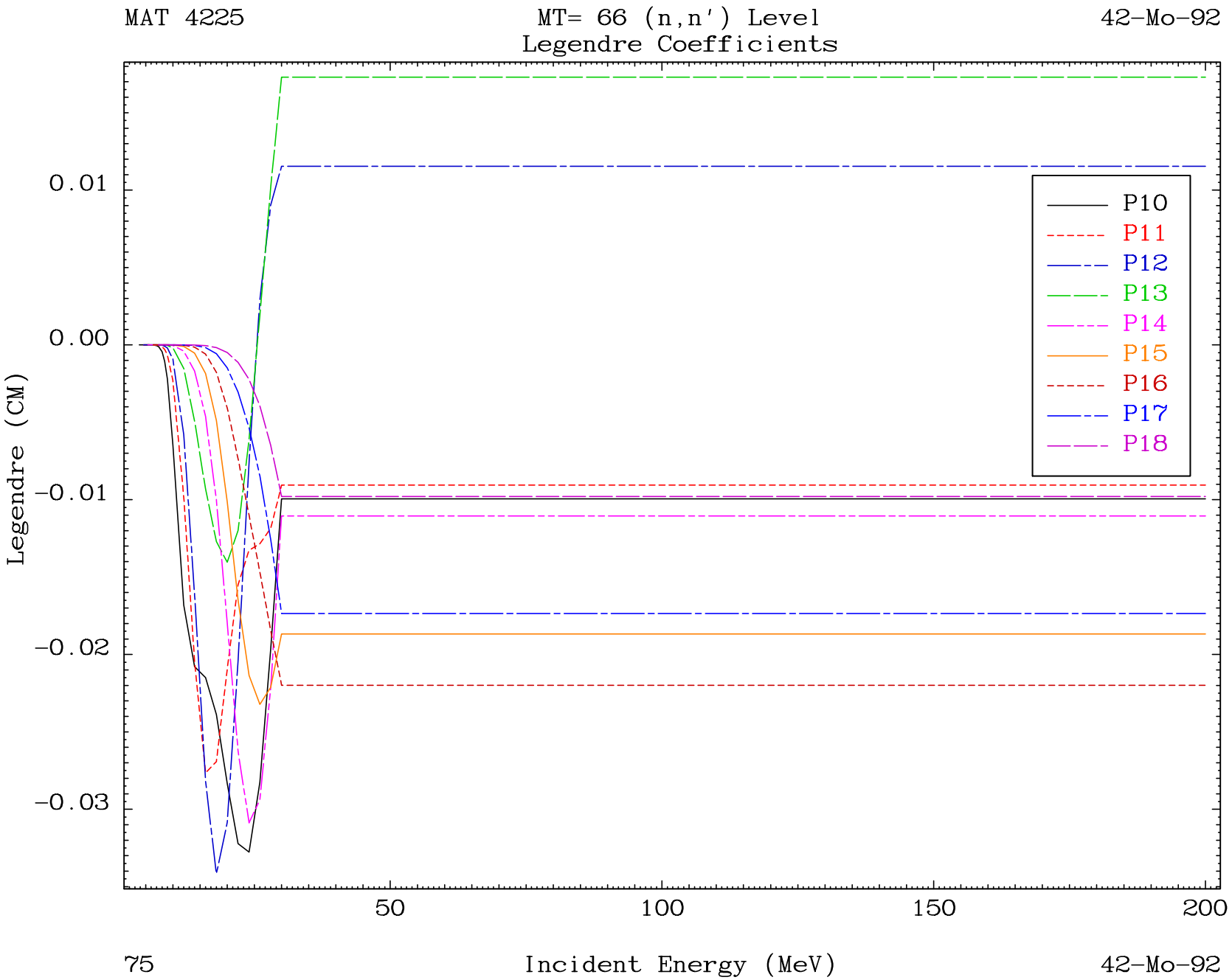

MAT 4225
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
70
Incident Energy (MeV)
42-Mo-92

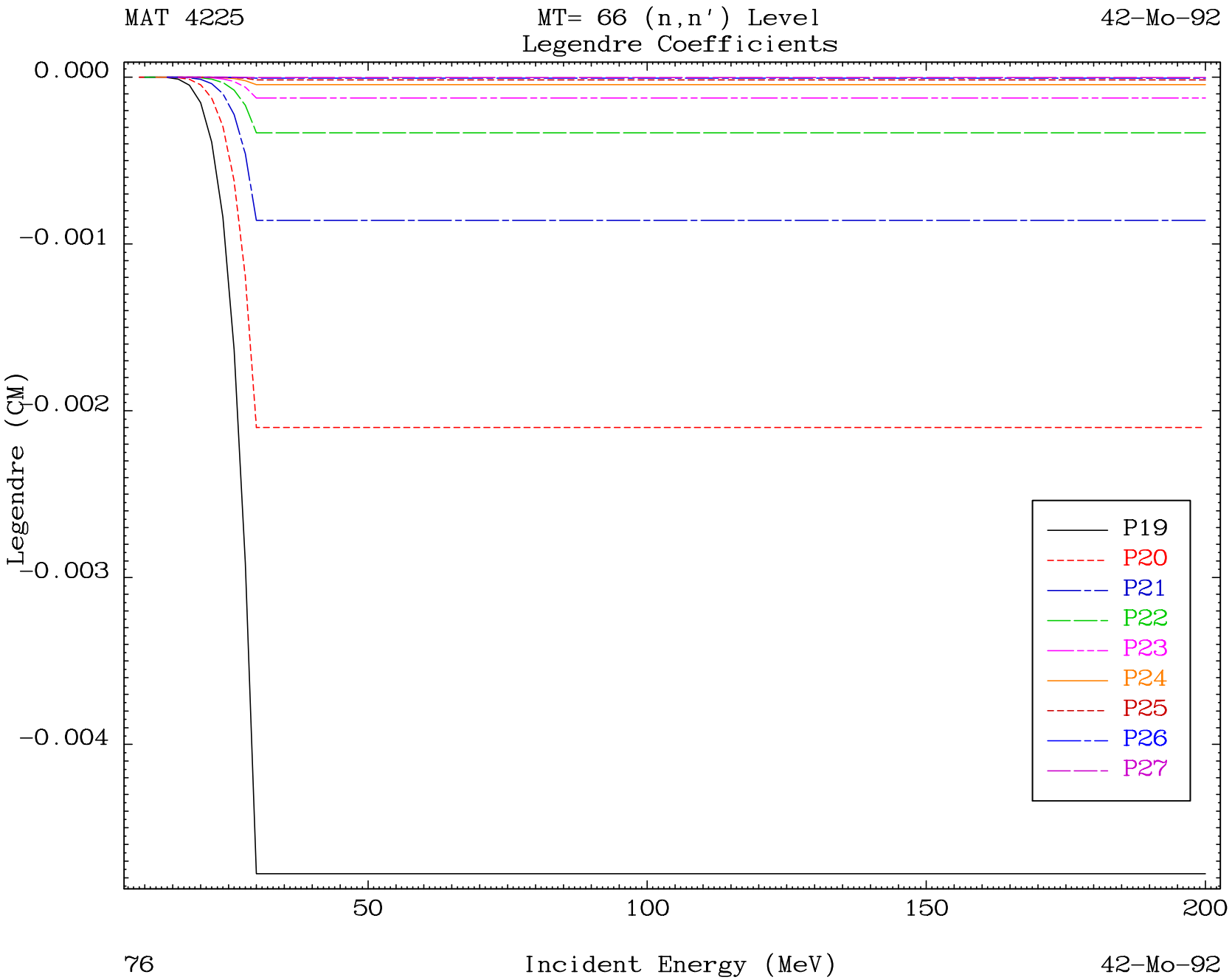

MAT 4225
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
42-Mo-92

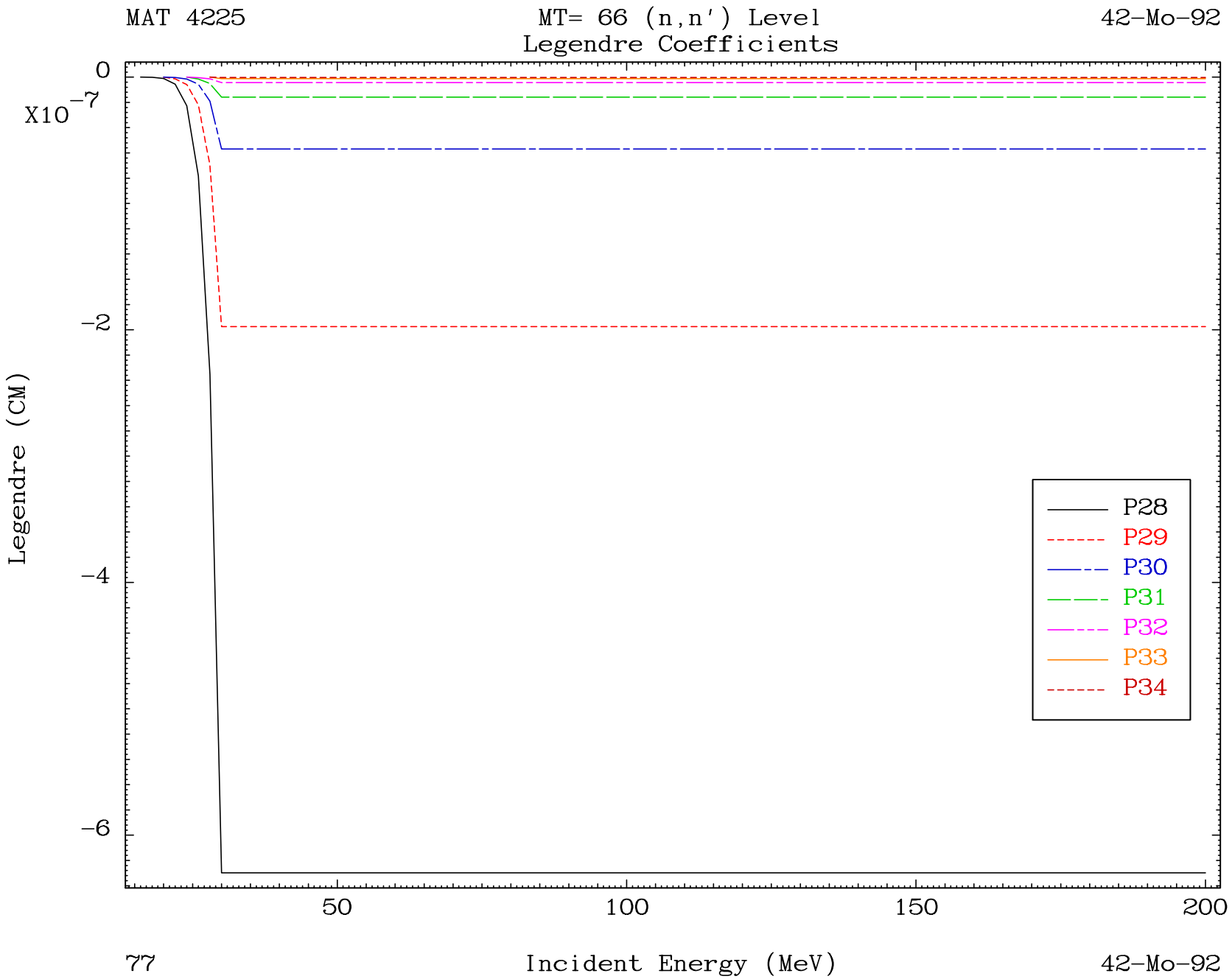

MAT 4225
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
0
-2
-4
-6
-8
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
42-Mo-92
P9
P10
P11
P12
P13
P14
P15
P16

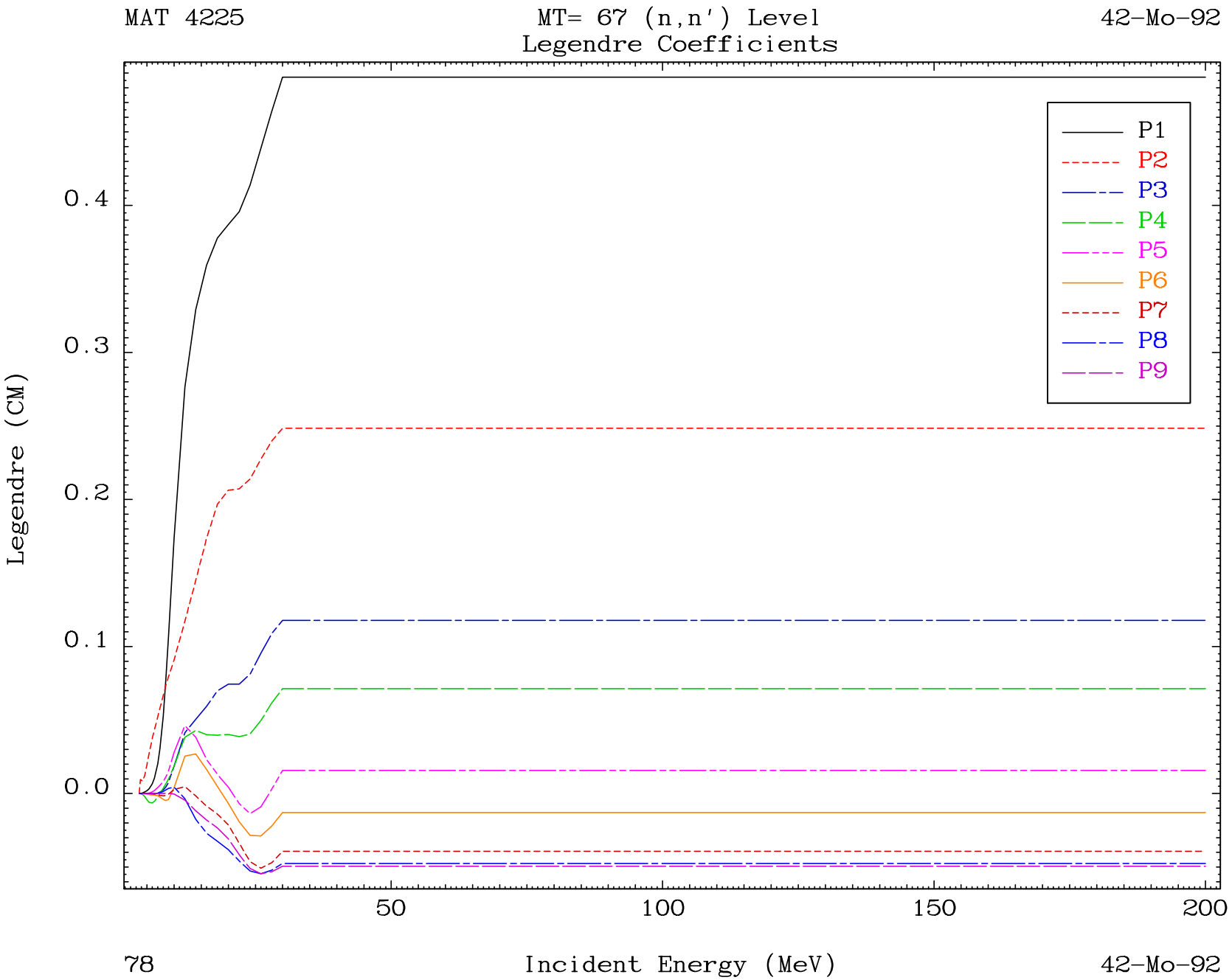

MAT 4225
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
73
Incident Energy (MeV)
42-Mo-92

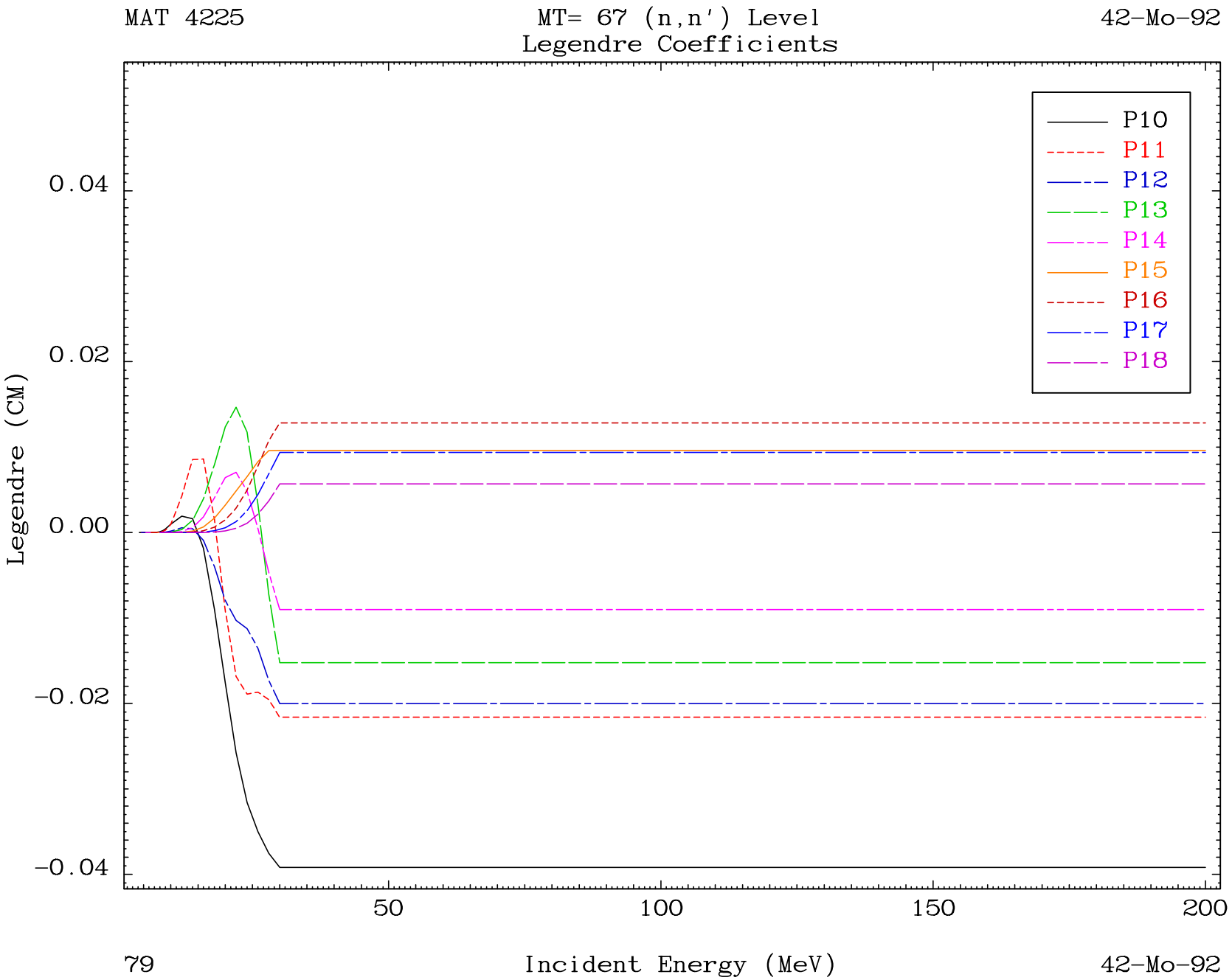

MAT 4225
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
74
Incident Energy (MeV)
42-Mo-92

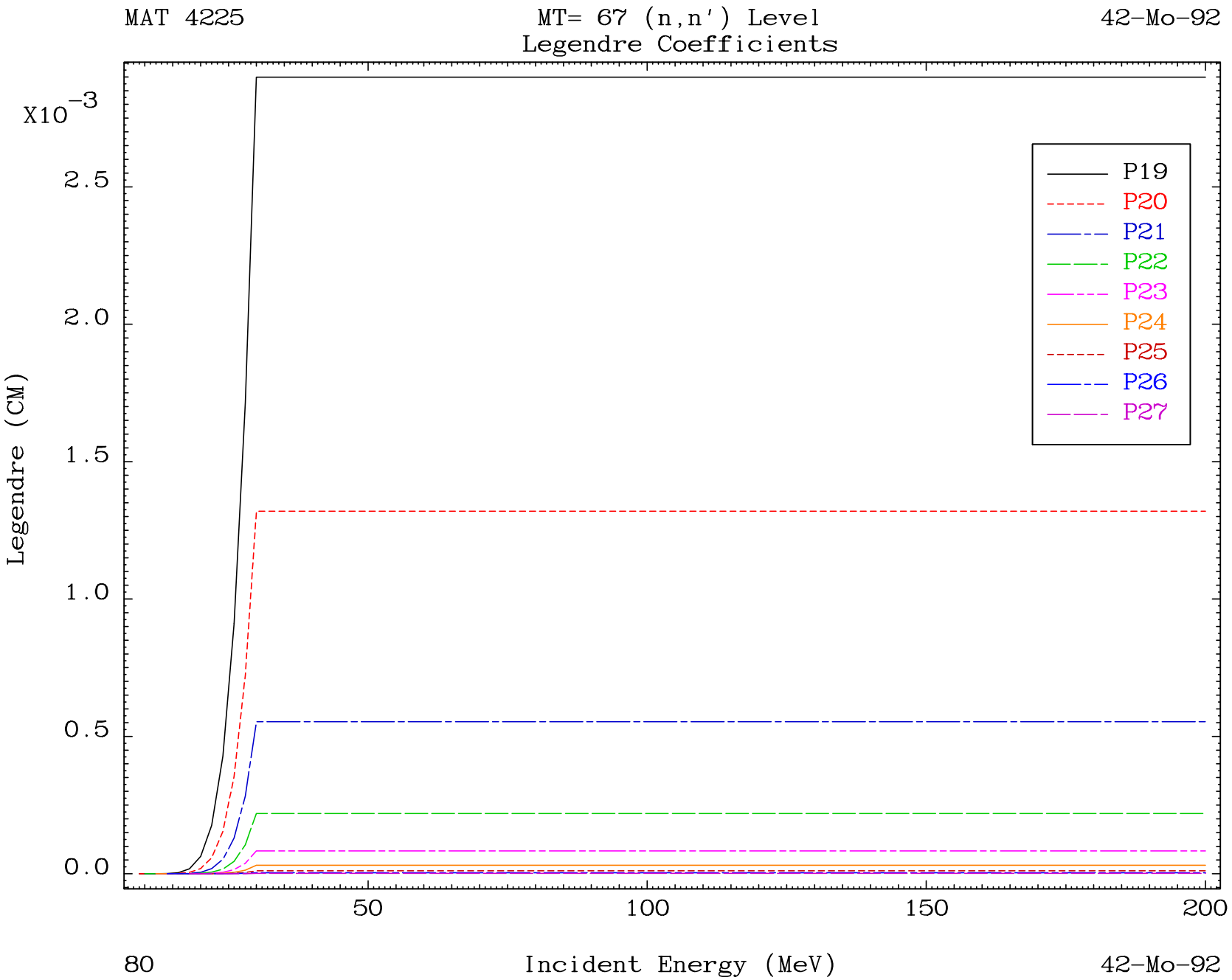

MAT 4225
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-92
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
75
Incident Energy (MeV)
42-Mo-92

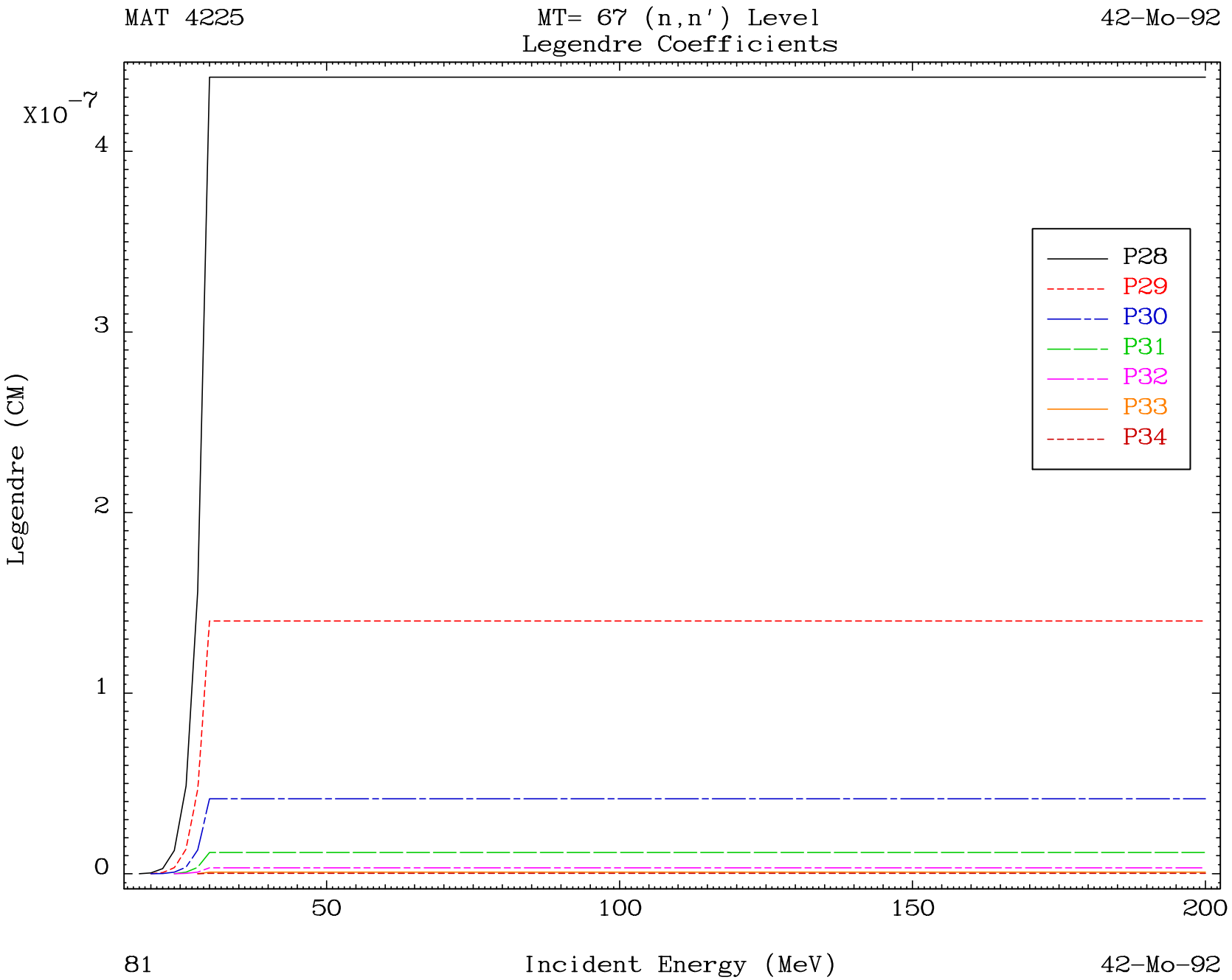

MAT 4225
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-92
0.000
-0.001
-0.002
-0.003
-0.004
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26
P27

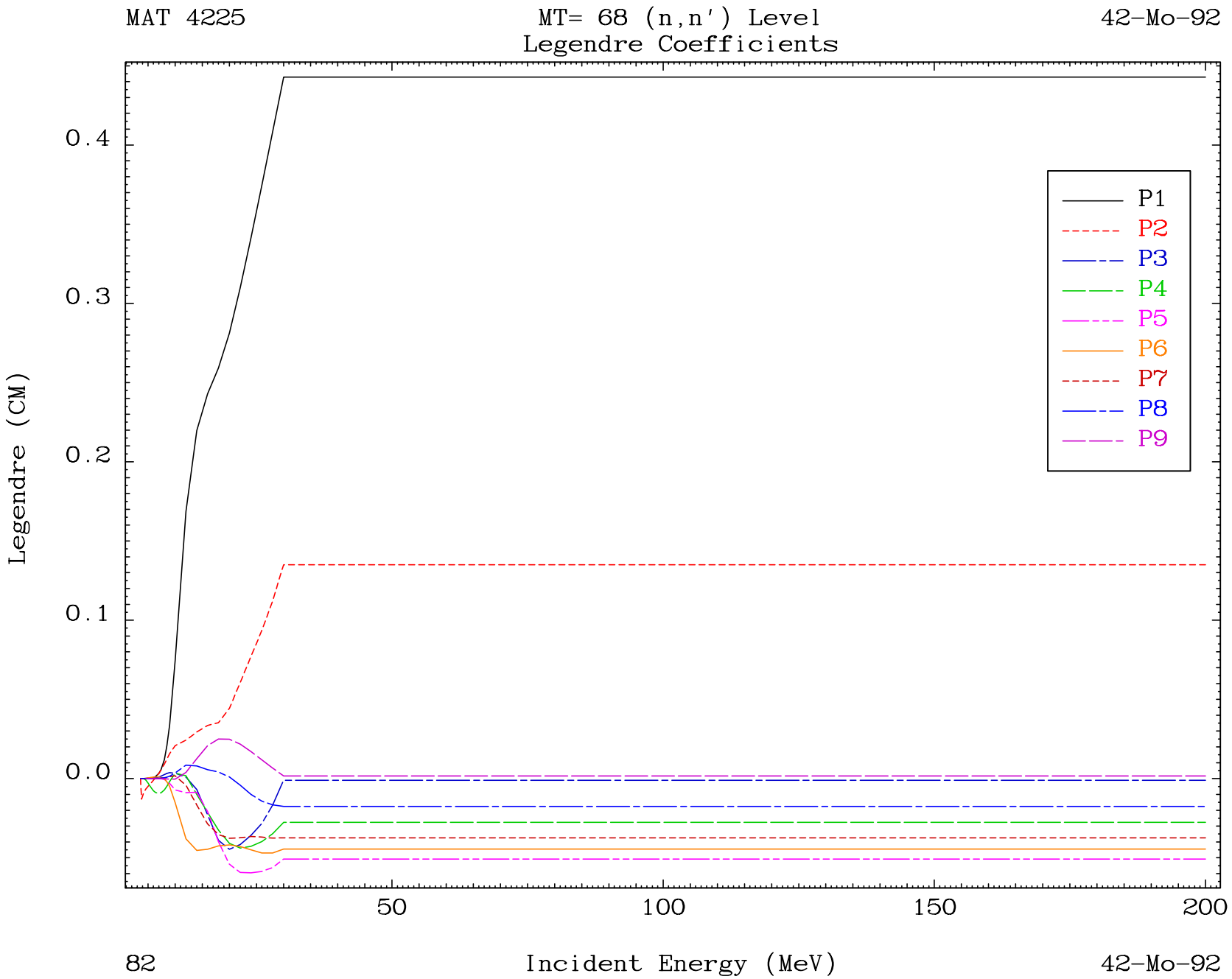

MAT 4225
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-2
-4
-6
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

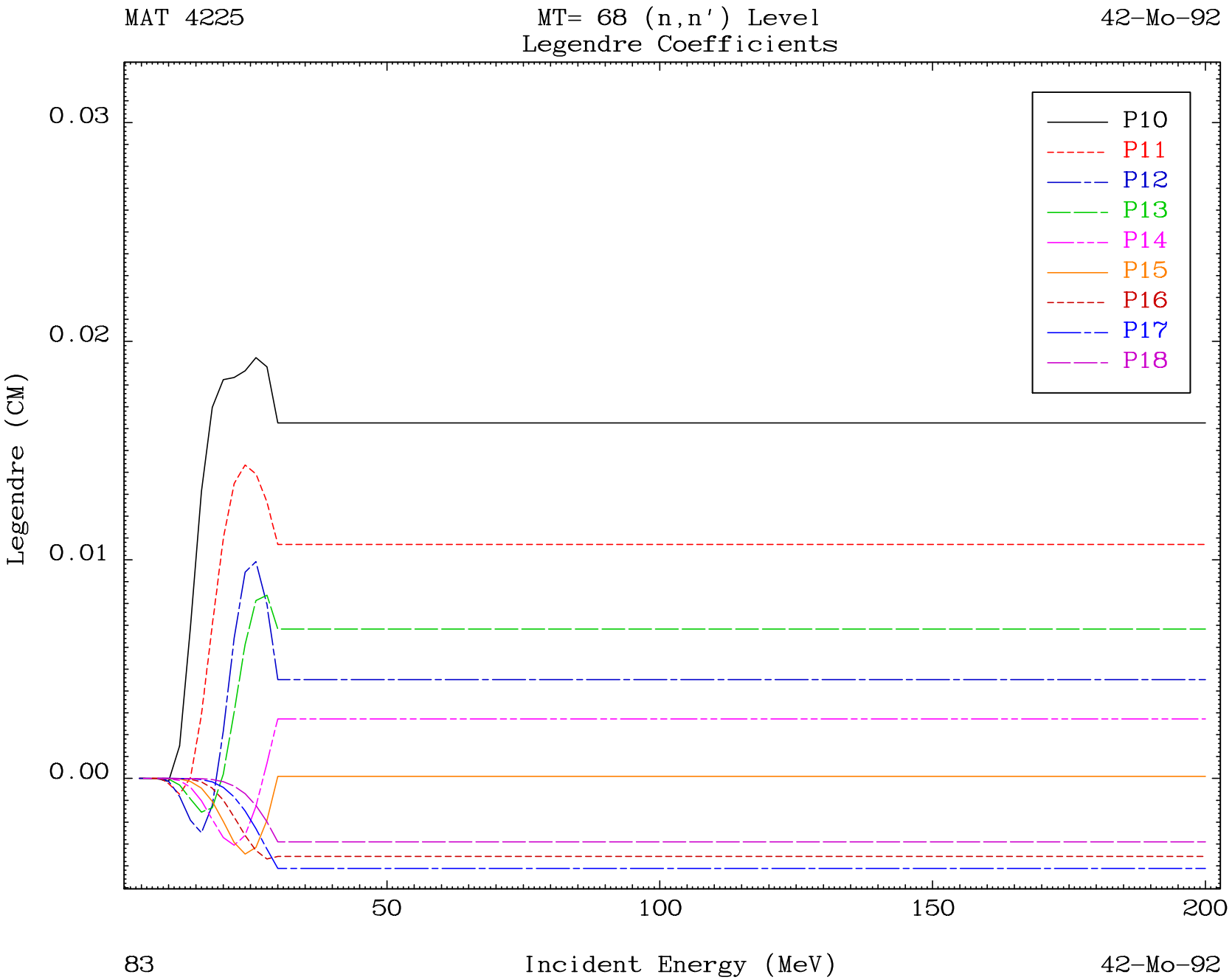

MAT 4225
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
78
Incident Energy (MeV)
42-Mo-92

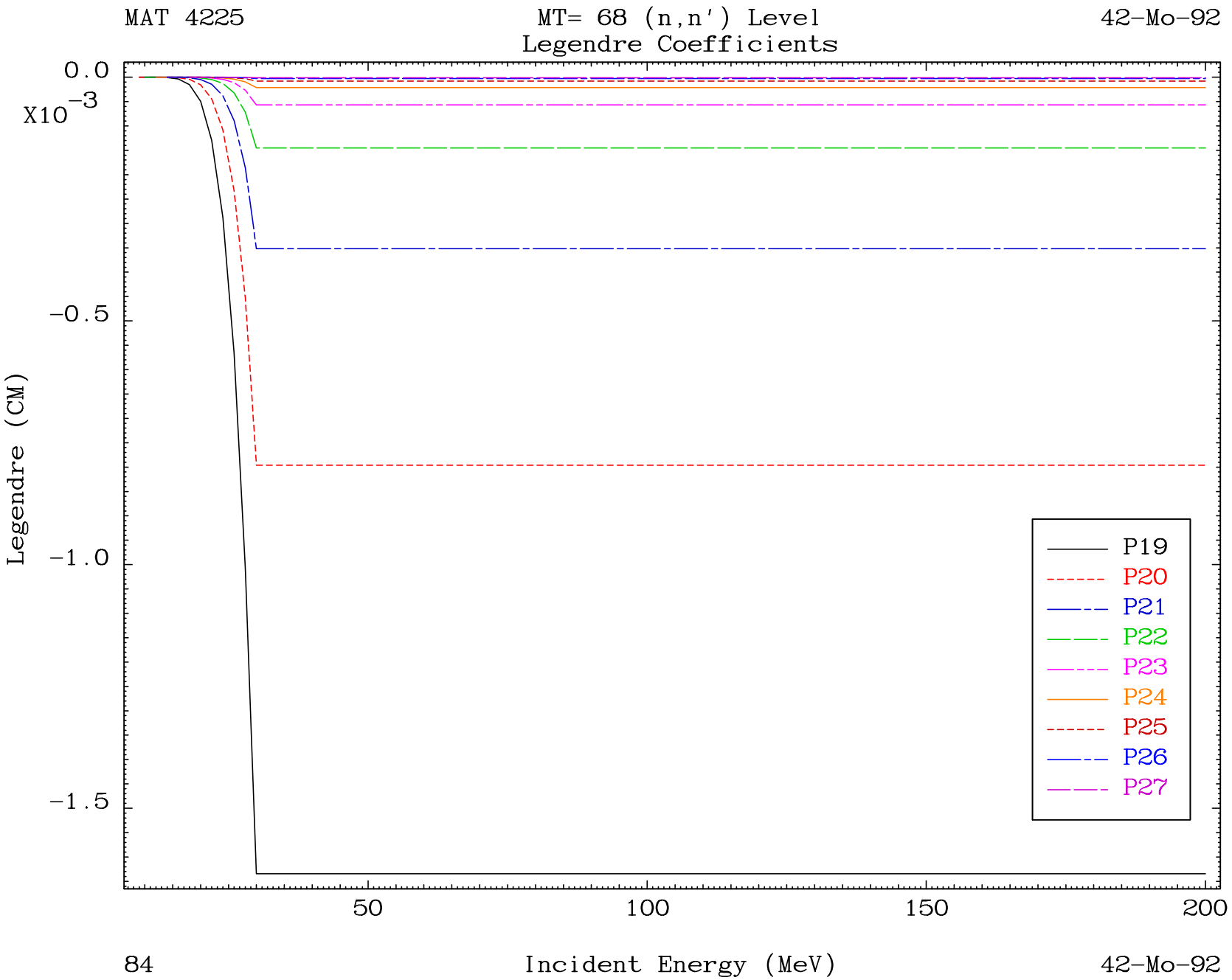

MAT 4225
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
79
Incident Energy (MeV)
42-Mo-92

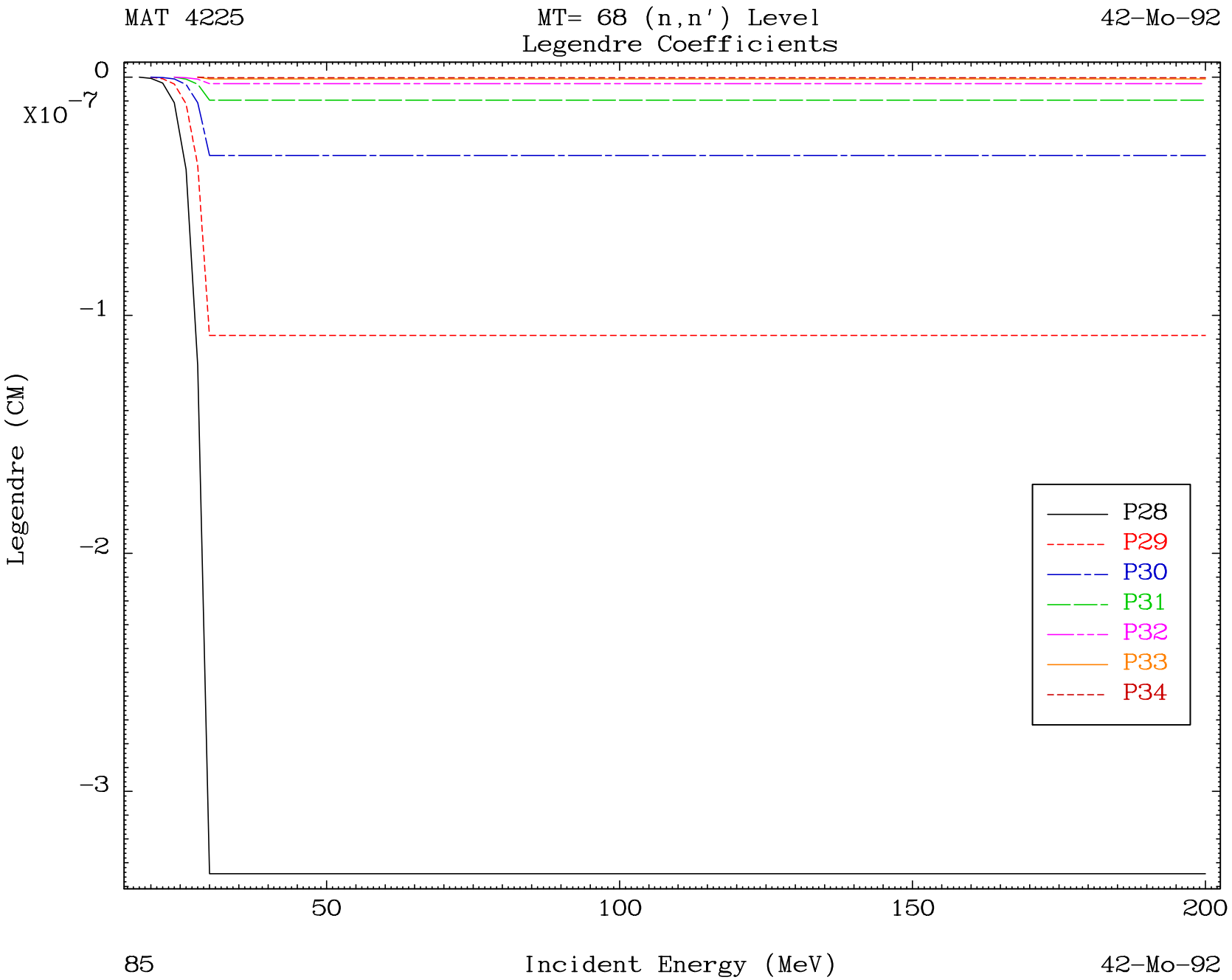

MAT 4225
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
80
Incident Energy (MeV)
42-Mo-92

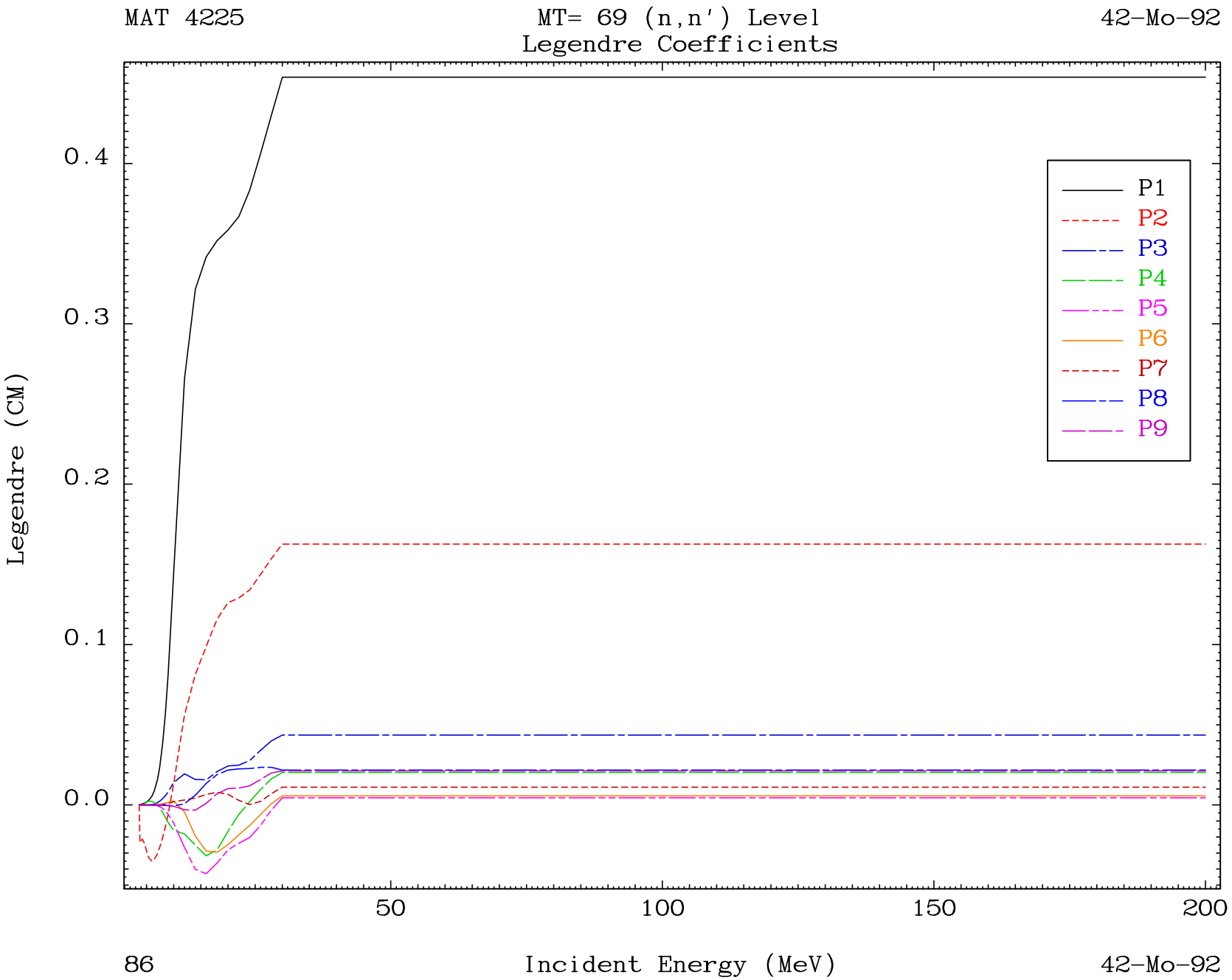

MAT 4225
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
81
Incident Energy (MeV)
42-Mo-92

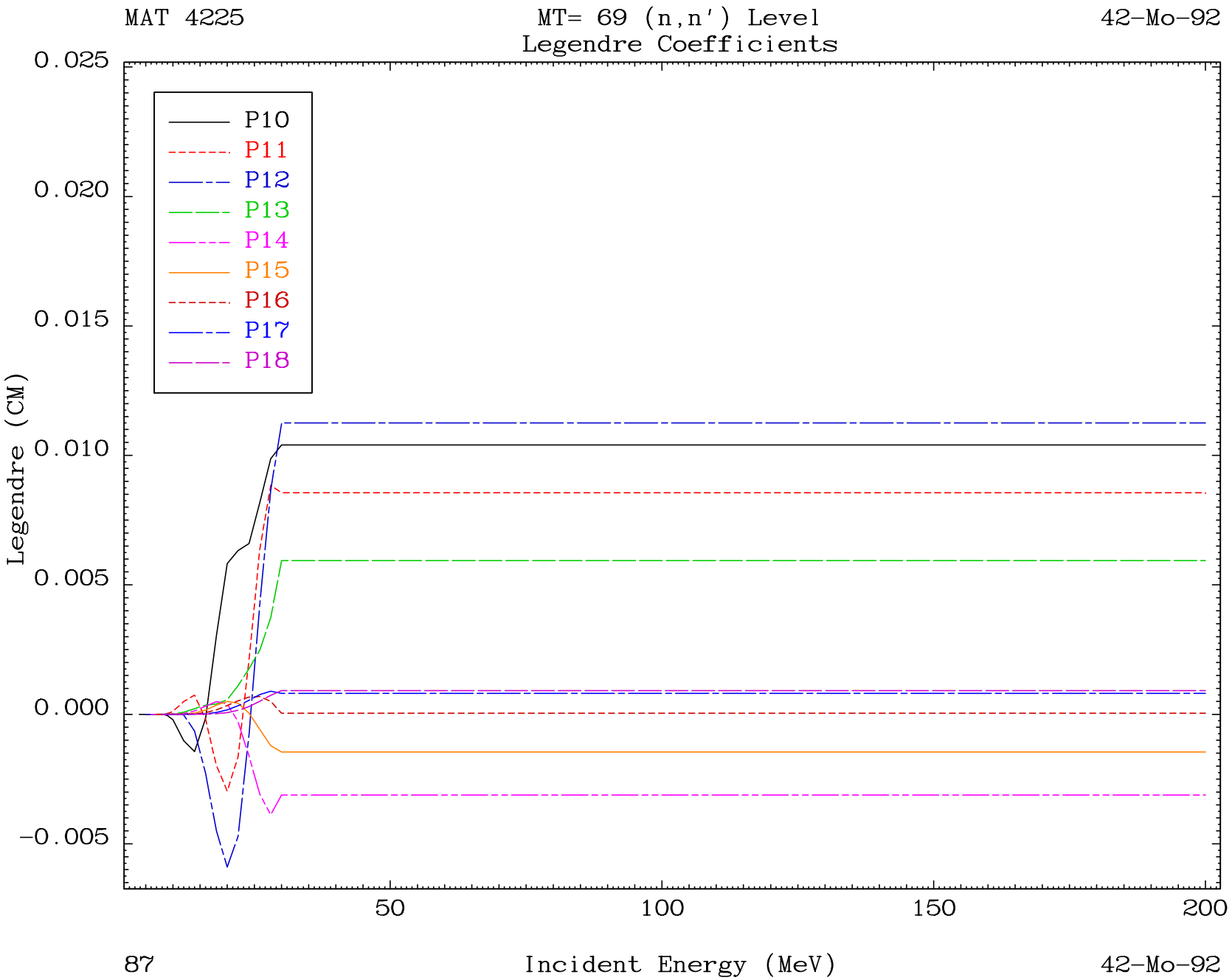

MAT 4225
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
82
Incident Energy (MeV)
42-Mo-92

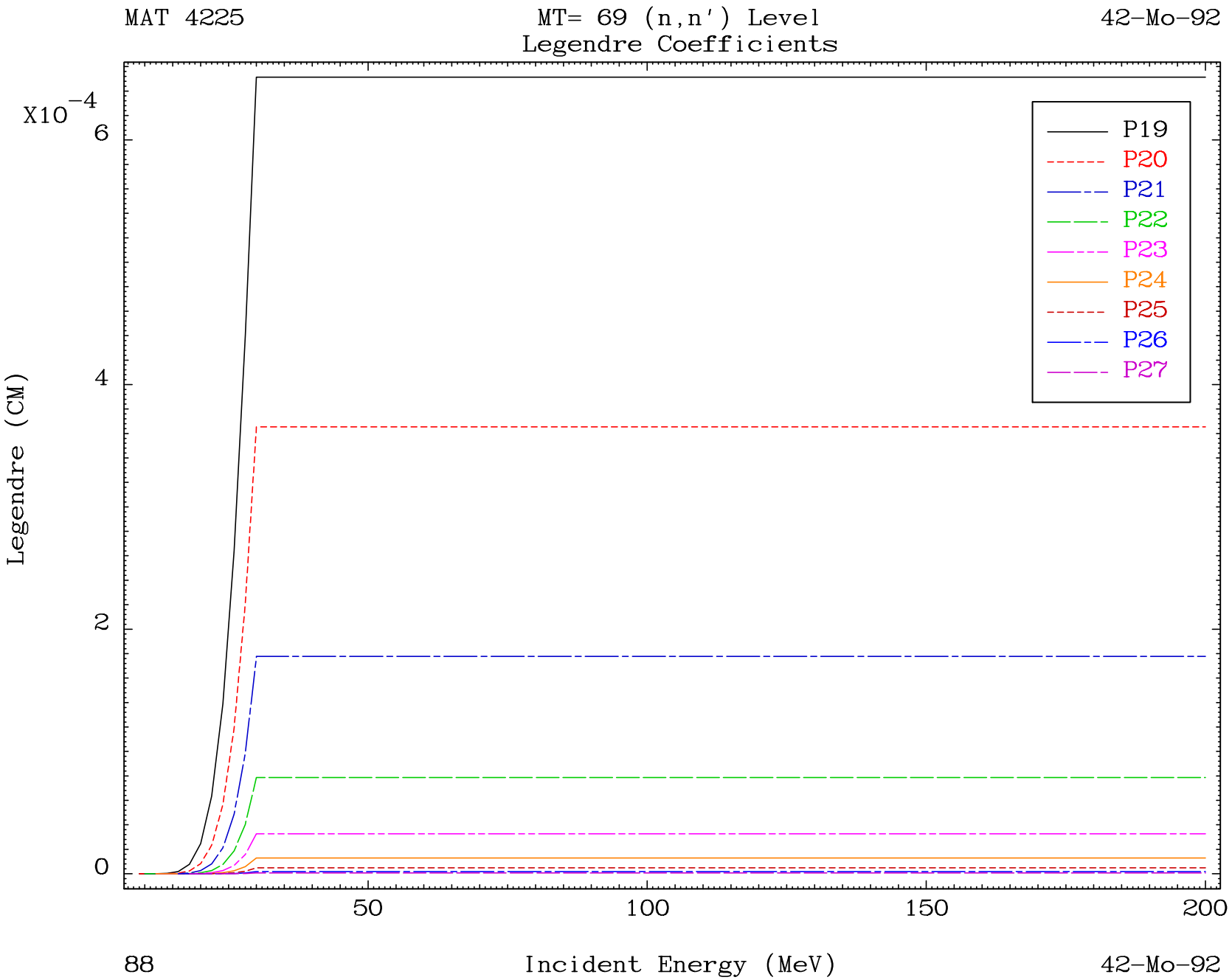

MAT 4225
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-92
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
50
100
150
200
83
Incident Energy (MeV)
42-Mo-92

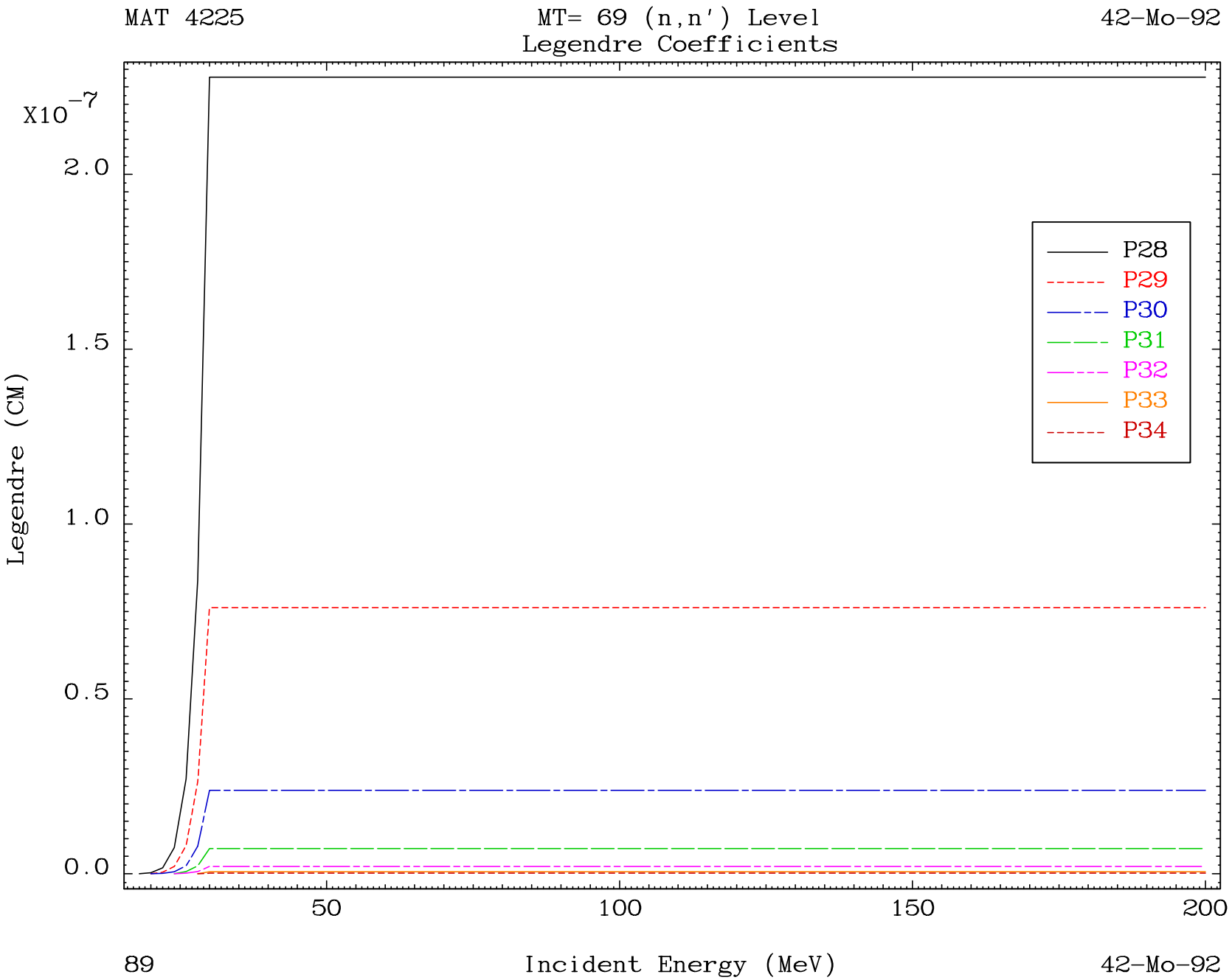

MAT 4225
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-3
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26
P27

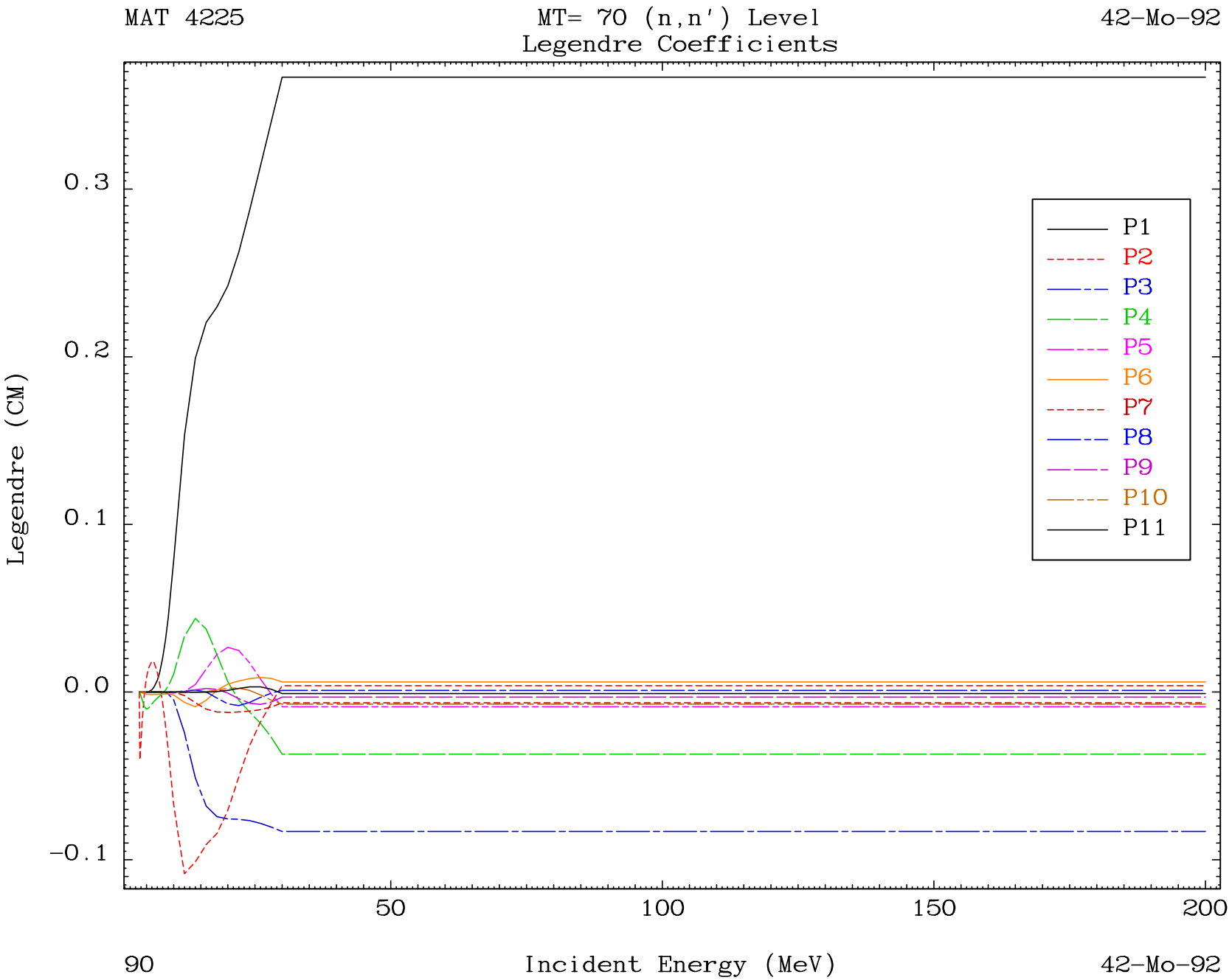

MAT 4225
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-1
-2
-3
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

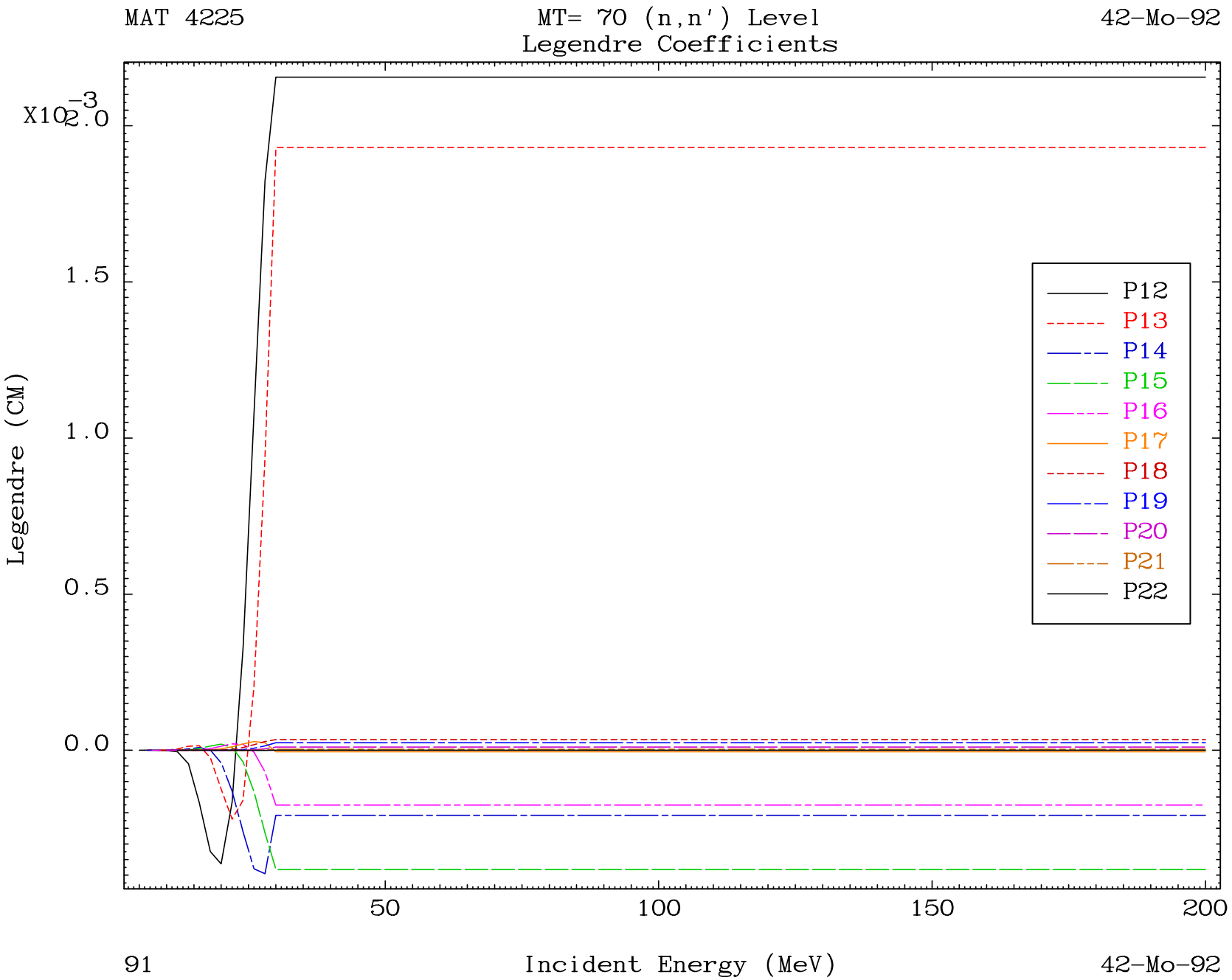

MAT 4225
MT= 69 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
86
Incident Energy (MeV)
42-Mo-92

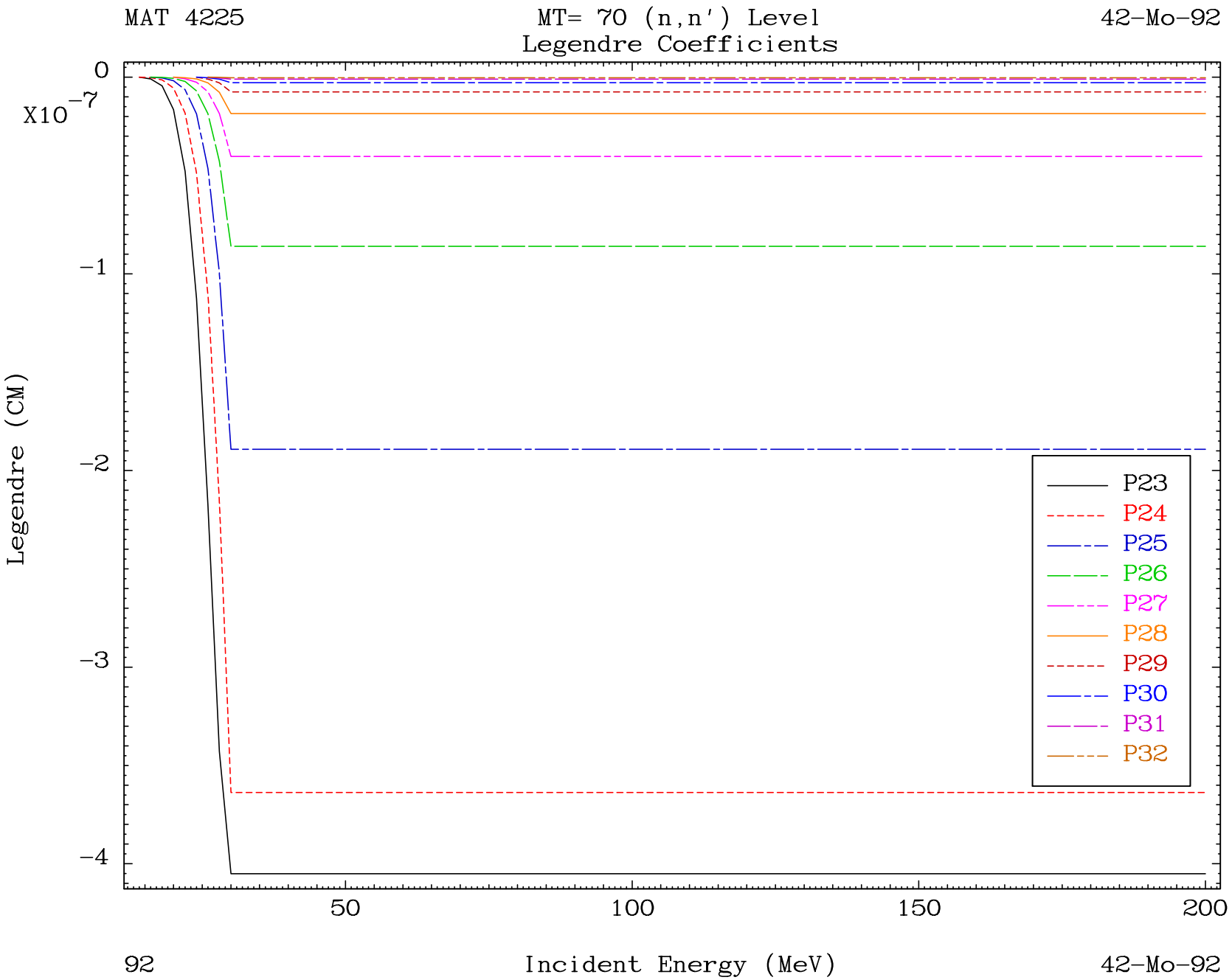

MAT 4225
MT= 69 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
42-Mo-92

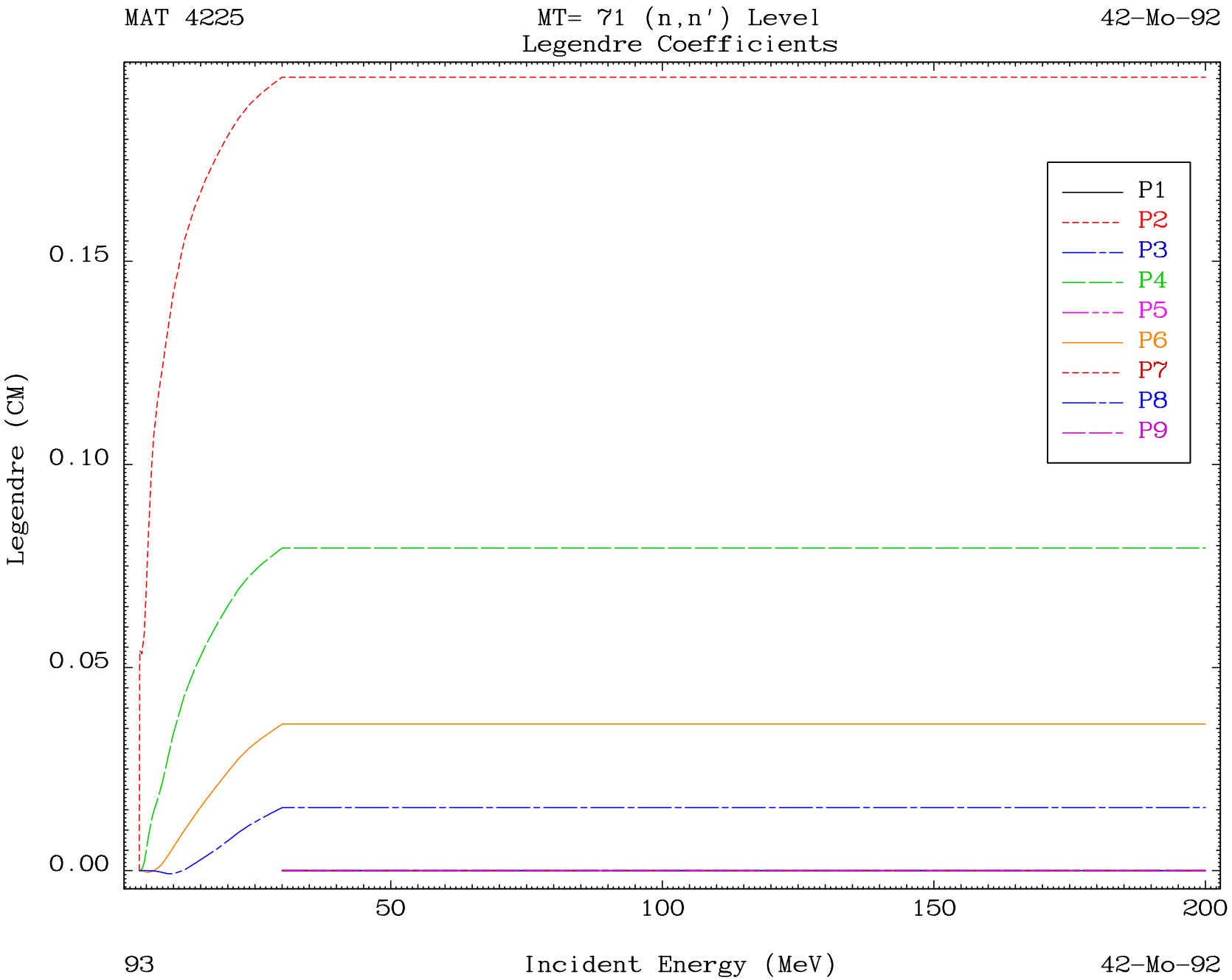

MAT 4225
MT= 69 (n,n') Level
Legendre Coefficients
42-Mo-92
X10 -4
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
88
Incident Energy (MeV)
42-Mo-92

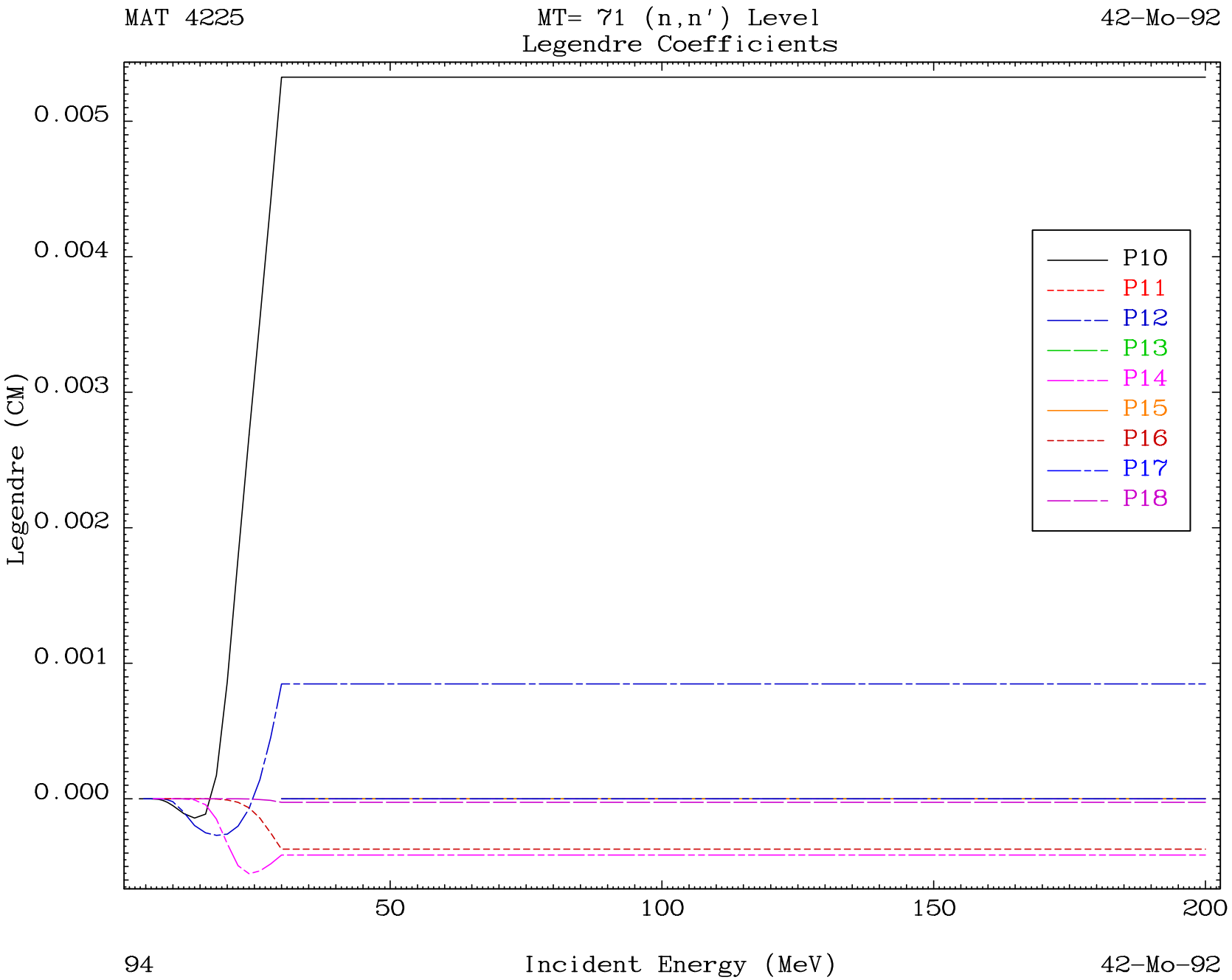

MAT 4225
MT= 69 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
89
Incident Energy (MeV)
42-Mo-92

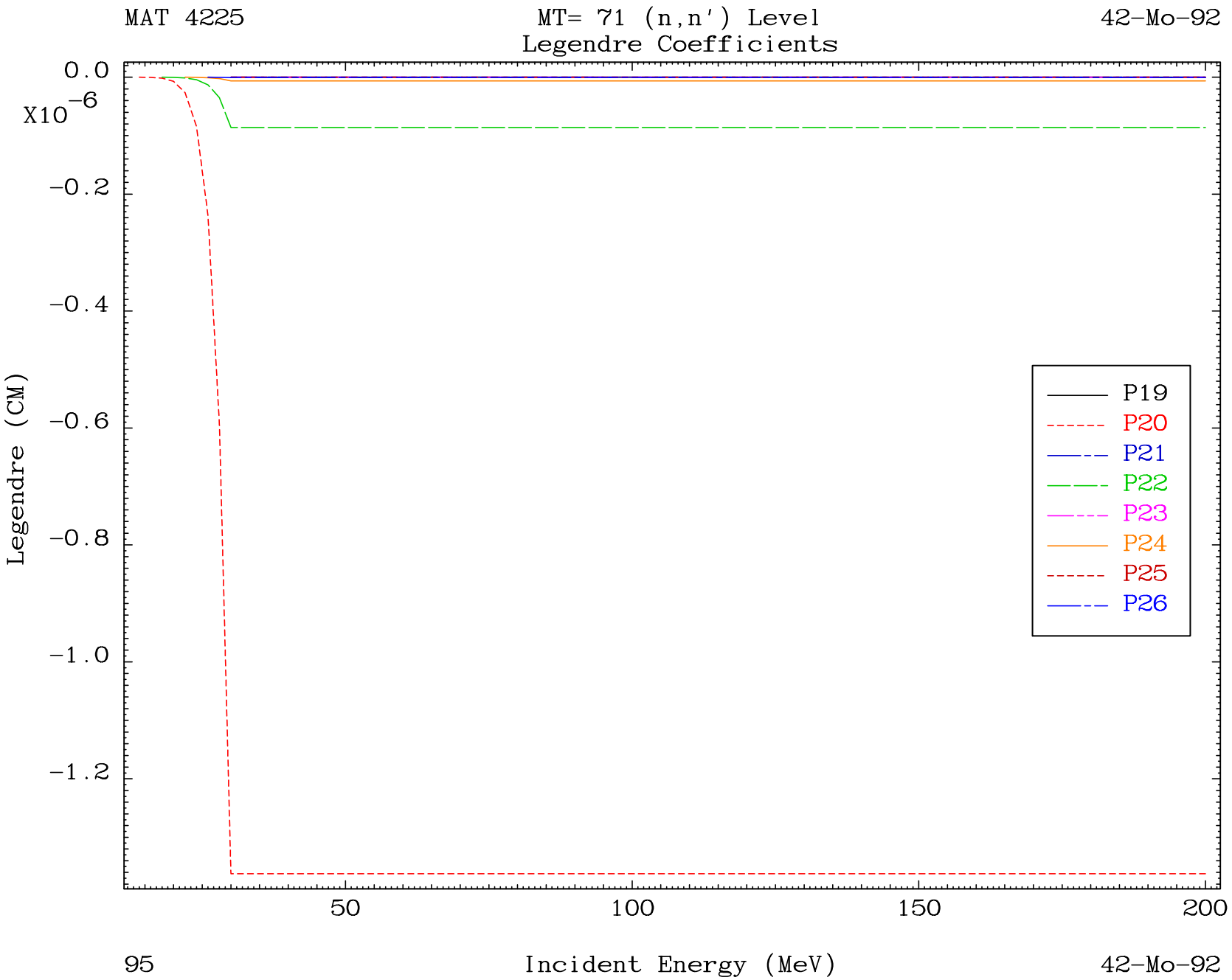

MAT 4225
MT= 70 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
50
100
150
200
90
Incident Energy (MeV)
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

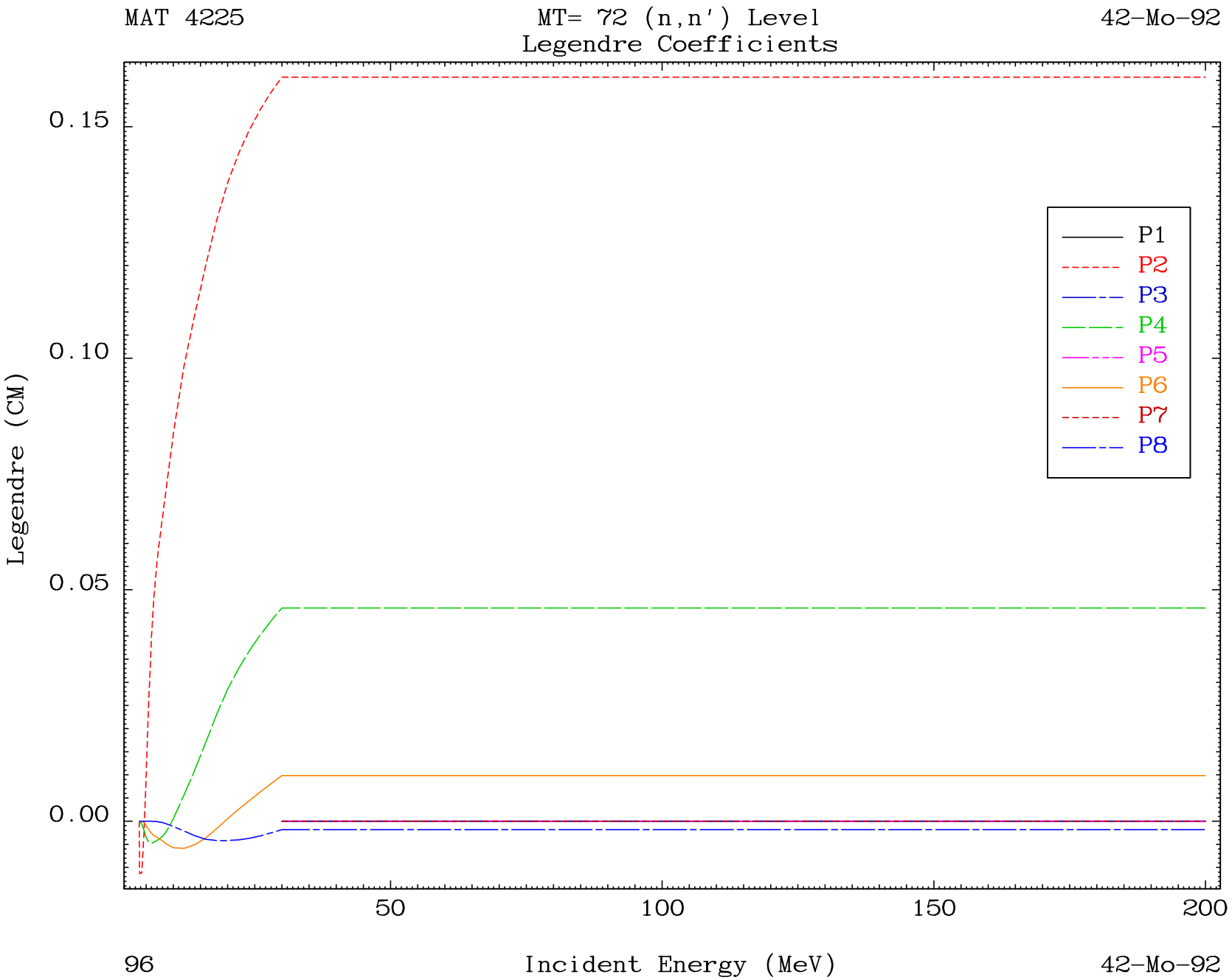

MAT 4225
MT= 70 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
91
Incident Energy (MeV)
42-Mo-92
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

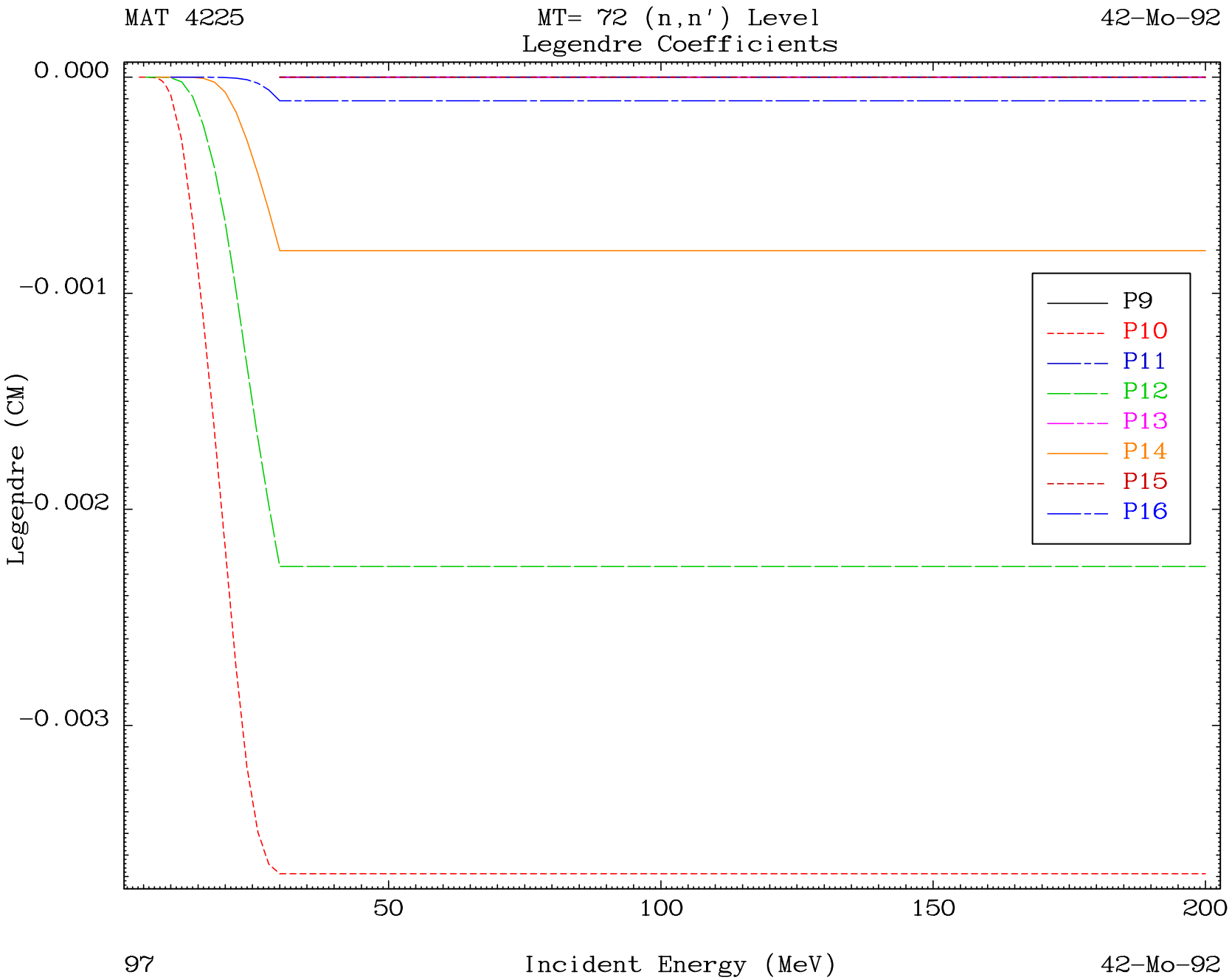

MAT 4225
MT= 70 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
0
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
92
Incident Energy (MeV)
42-Mo-92
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

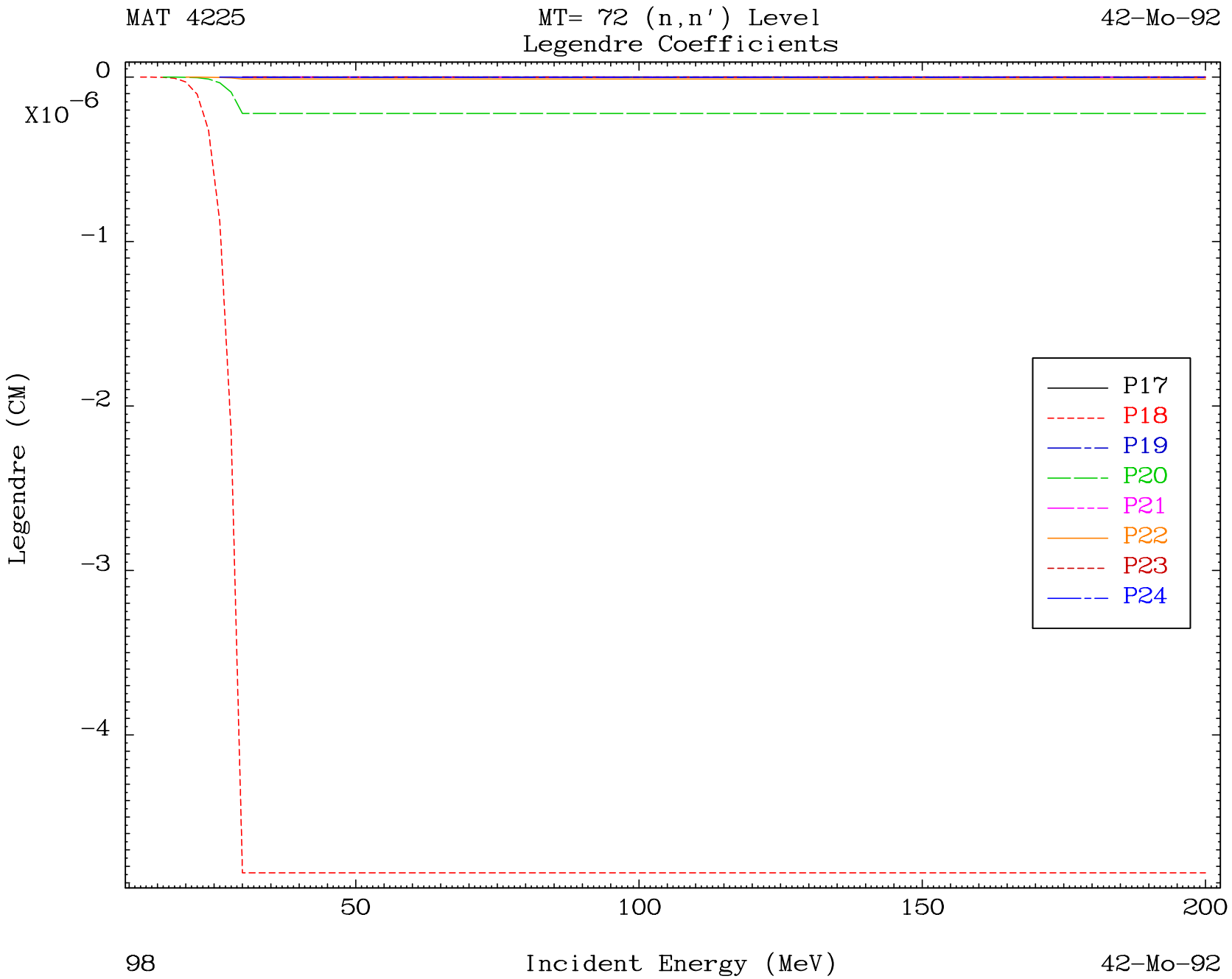

MAT 4225
MT= 71 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.15
0.10
0.05
0.00
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
93
Incident Energy (MeV)
42-Mo-92

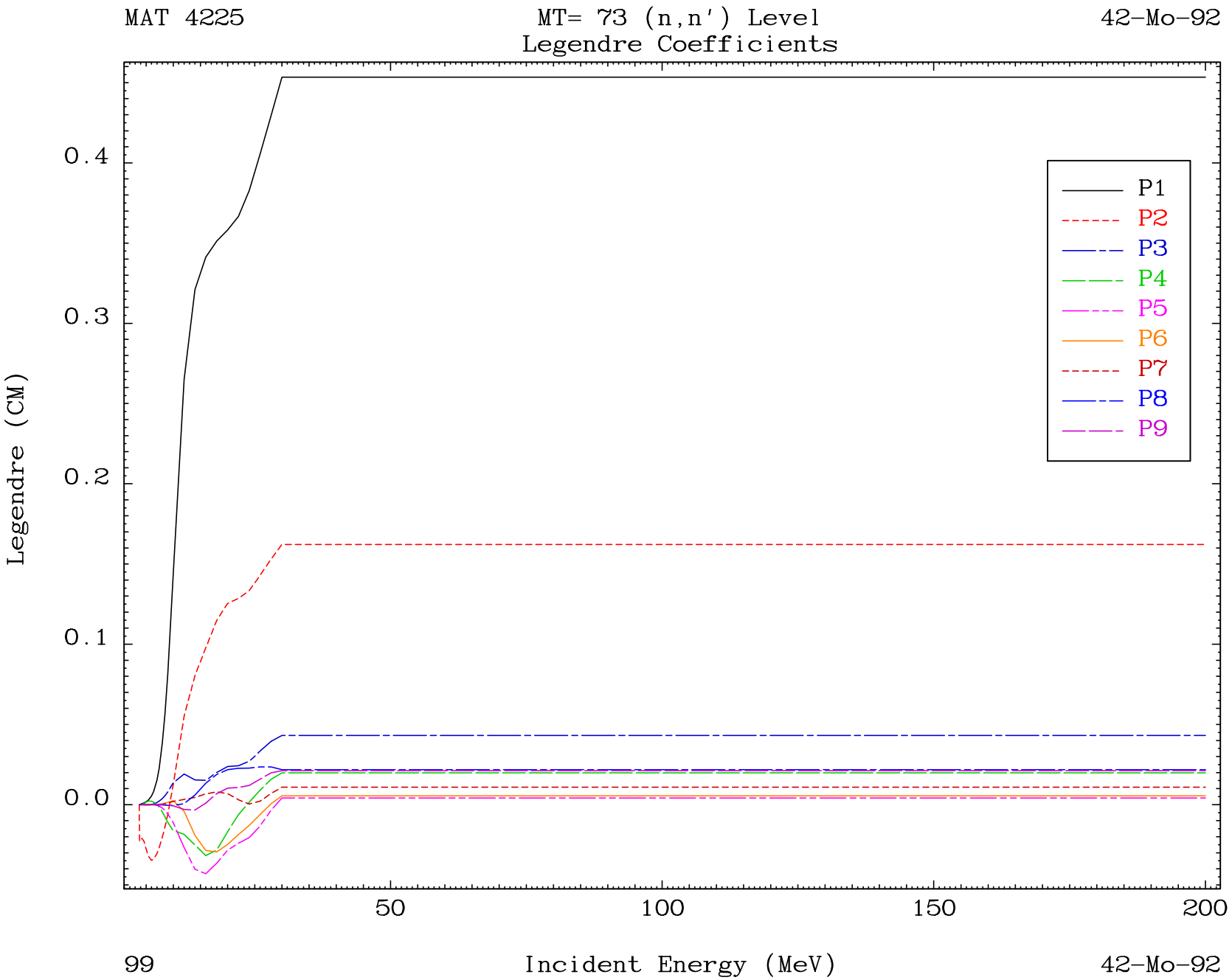

MAT 4225
MT= 71 (n,n') Level
Legendre Coefficients
42-Mo-92
0.005
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
94
Incident Energy (MeV)
42-Mo-92

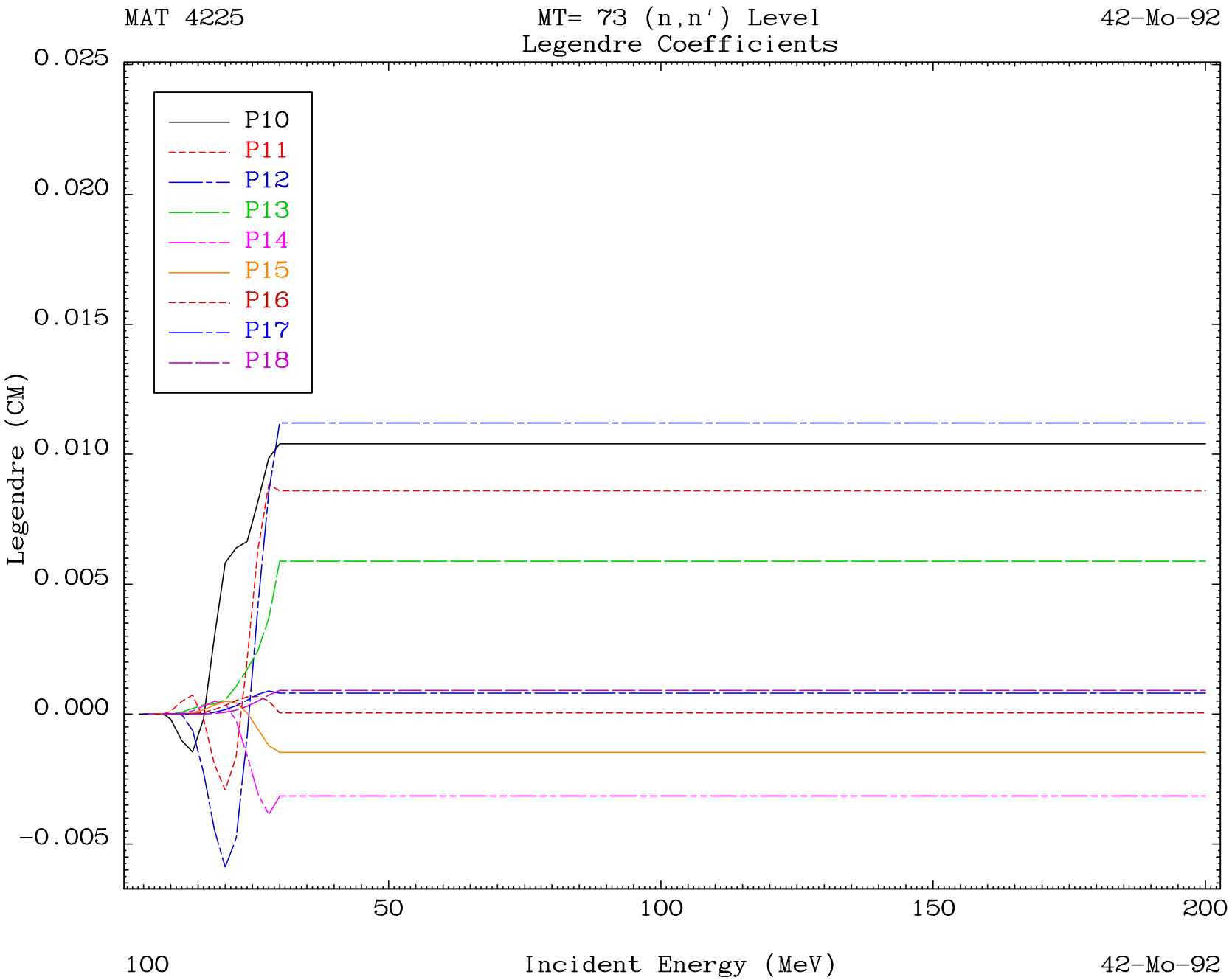

MAT 4225
MT= 71 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
95
Incident Energy (MeV)
42-Mo-92

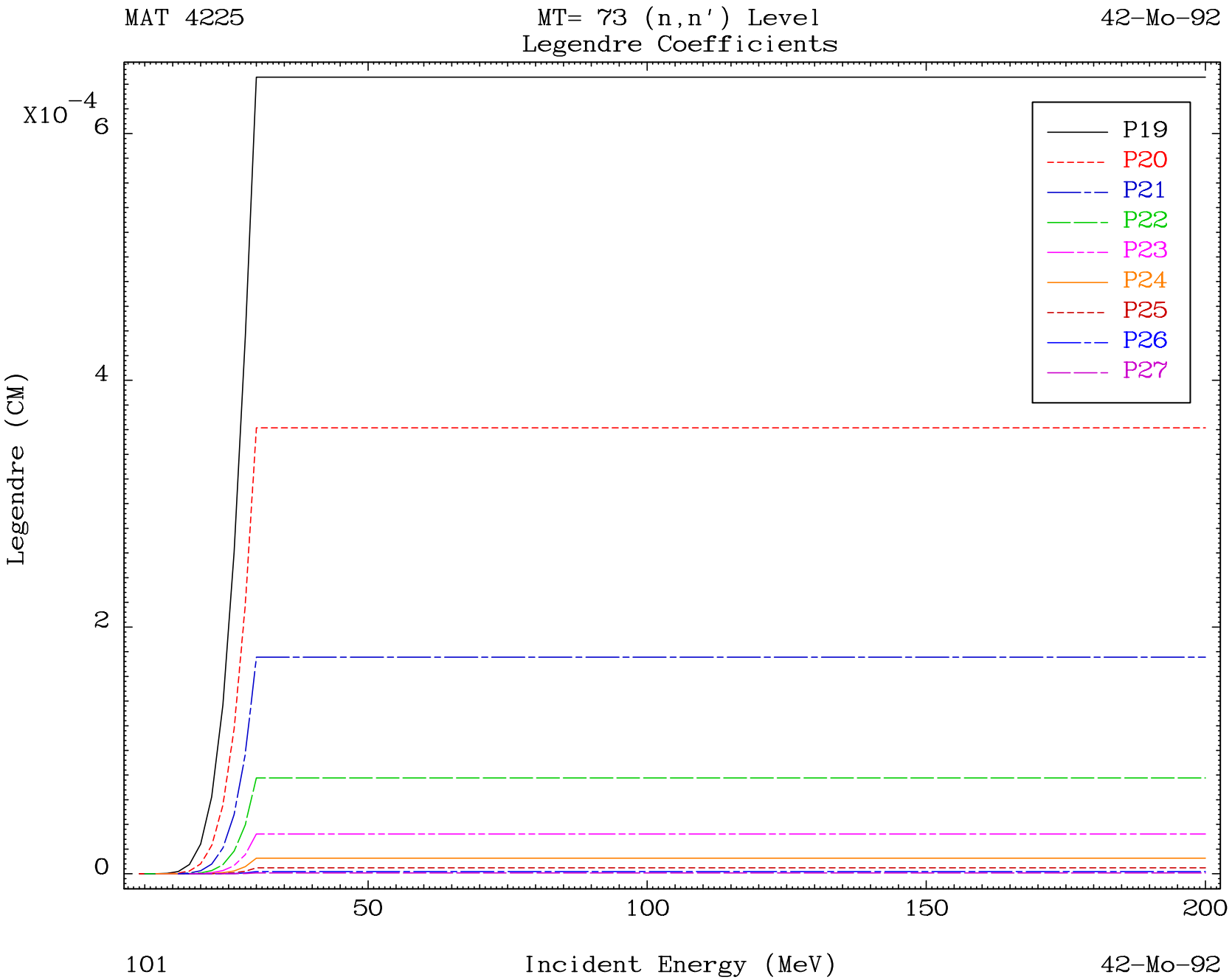

MAT 4225
MT= 72 (n,n') Level
Legendre Coefficients
42-Mo-92
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
50
100
150
200
96
Incident Energy (MeV)
42-Mo-92

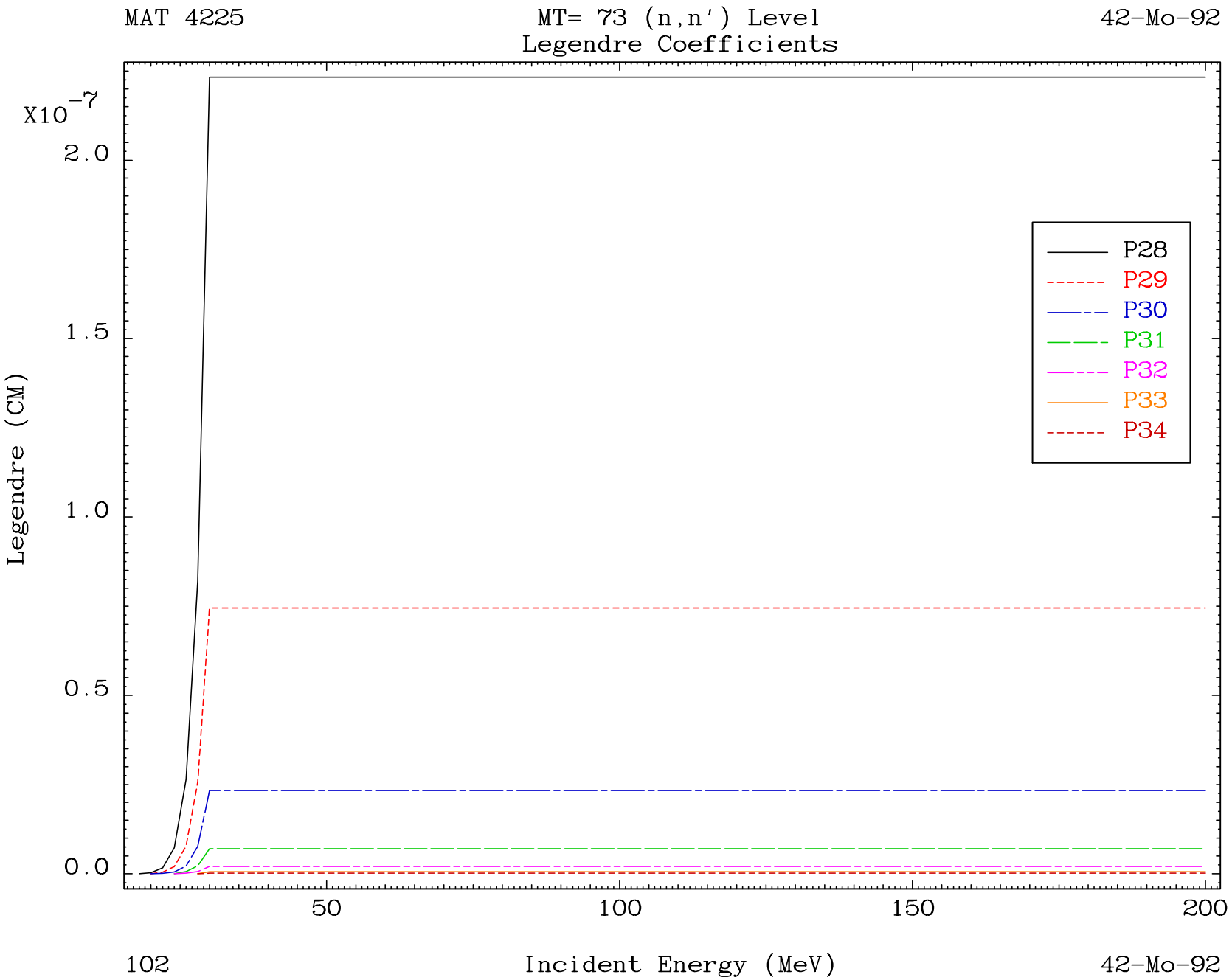

MAT 4225
MT= 72 (n,n') Level
Legendre Coefficients
42-Mo-92
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
97
Incident Energy (MeV)
42-Mo-92
P9
P10
P11
P12
P13
P14
P15
P16

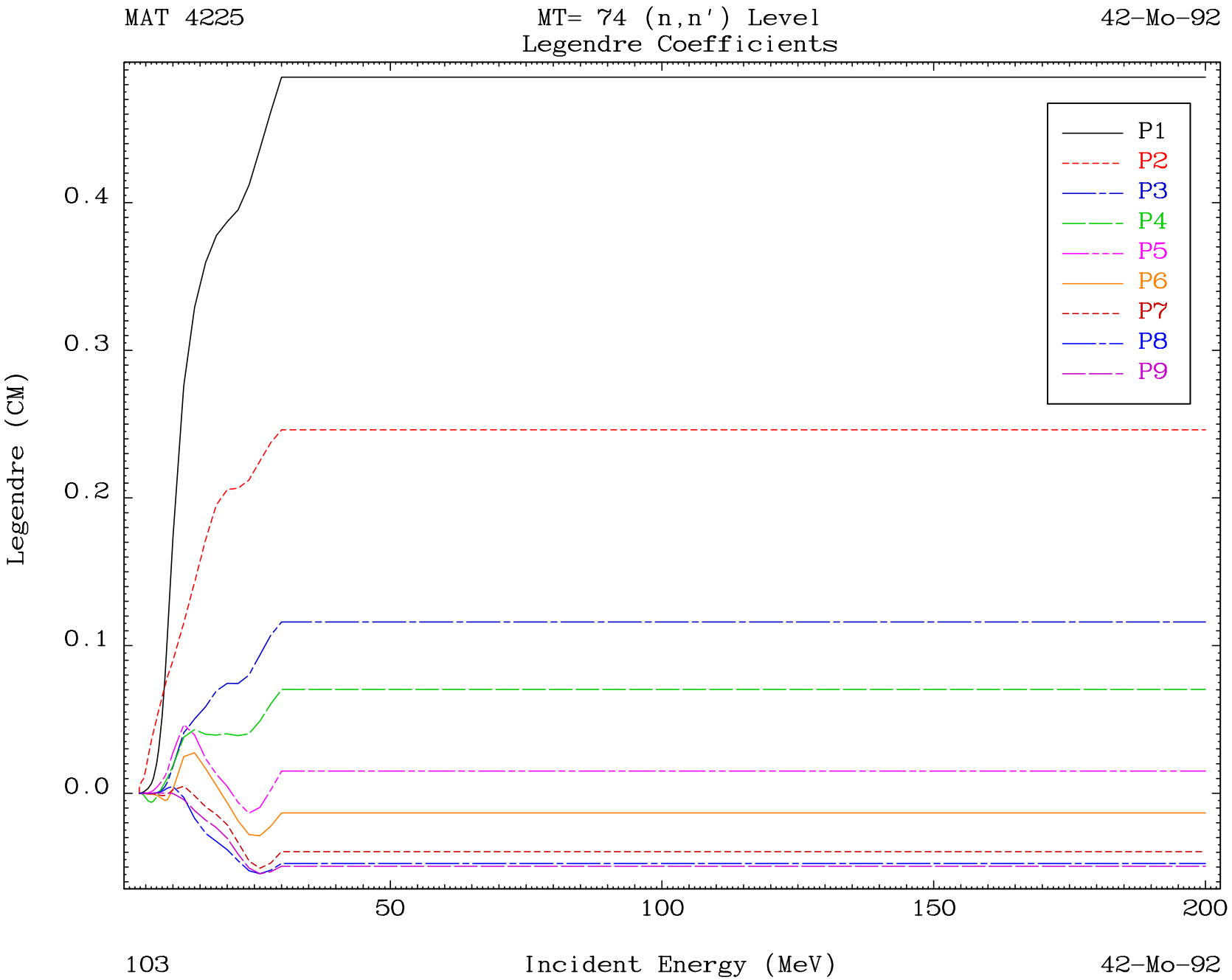

MAT 4225
MT= 72 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10^-6
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
98
Incident Energy (MeV)
42-Mo-92

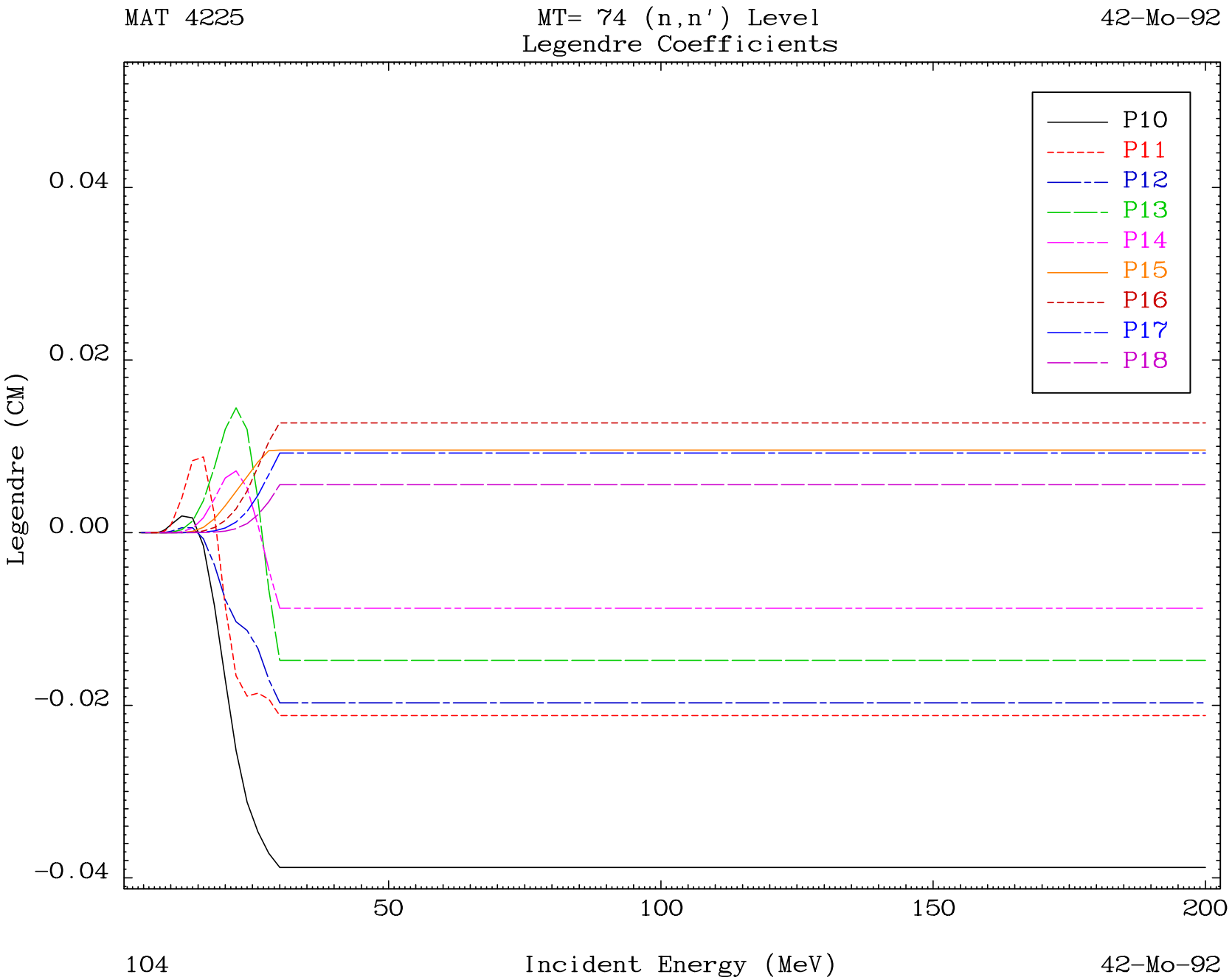

MAT 4225
MT= 73 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
99
Incident Energy (MeV)
42-Mo-92

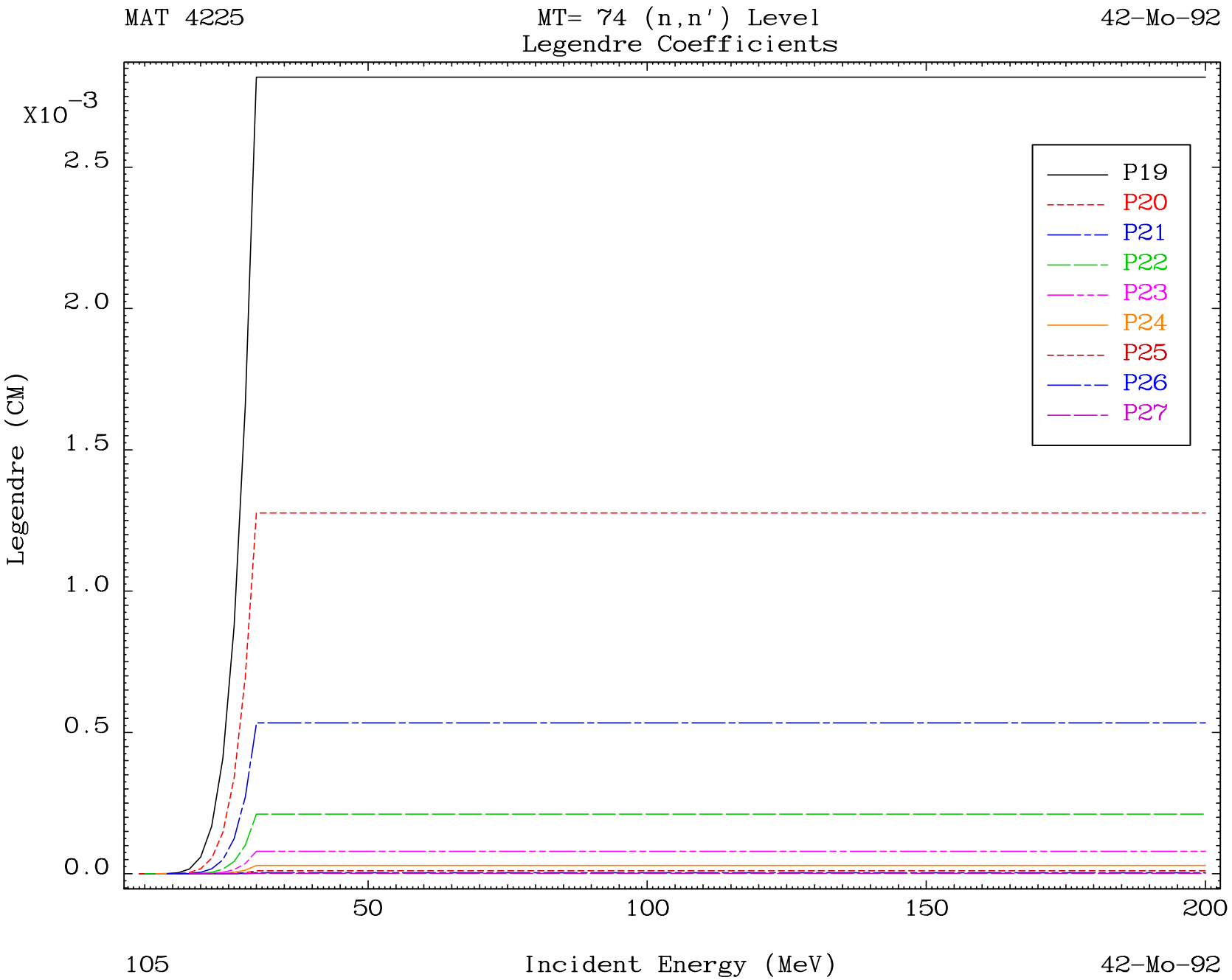

MAT 4225
MT= 73 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
100
Incident Energy (MeV)
42-Mo-92

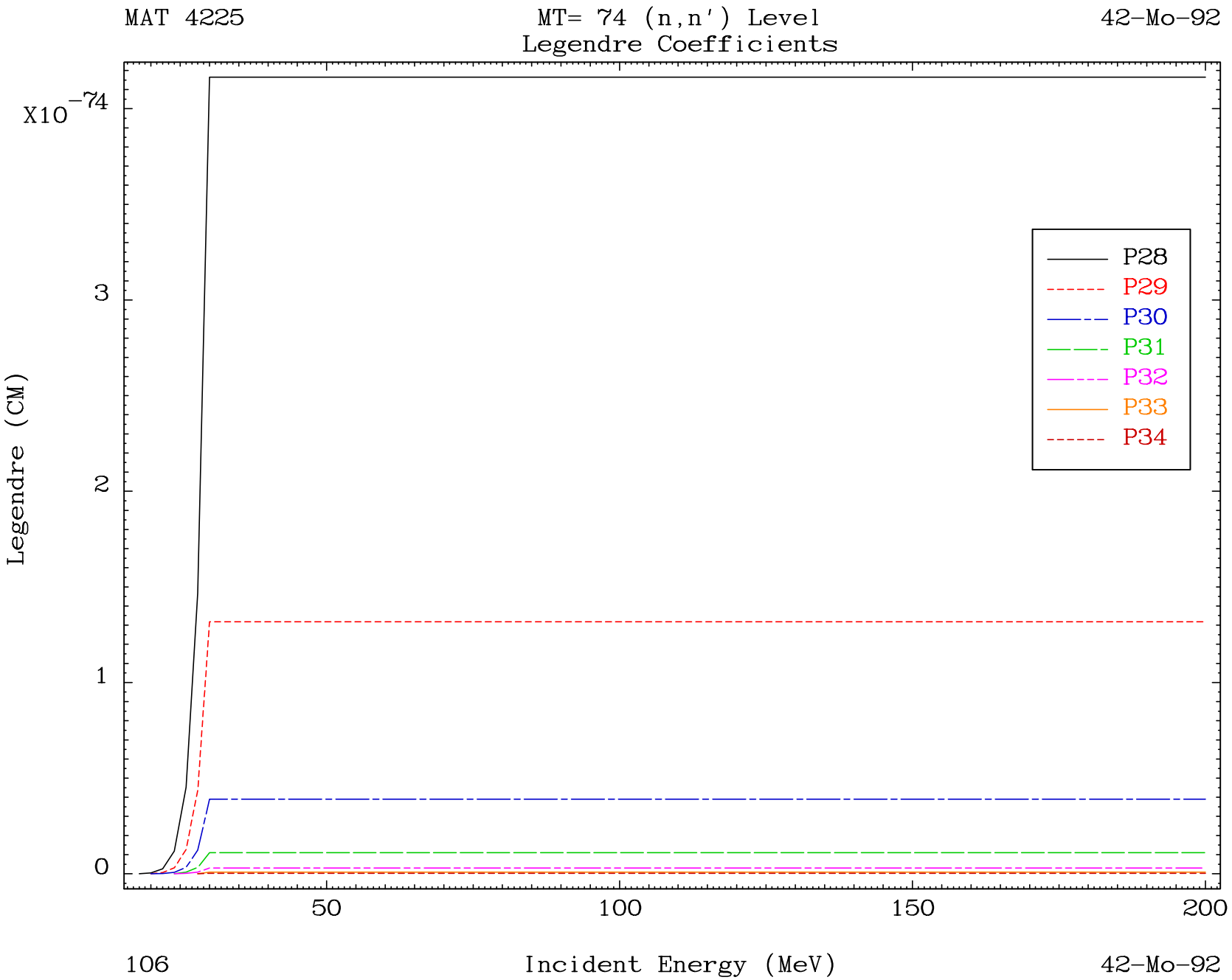

MAT 4225
MT= 73 (n,n') Level
Legendre Coefficients
42-Mo-92
X10 -4
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
101
Incident Energy (MeV)
42-Mo-92

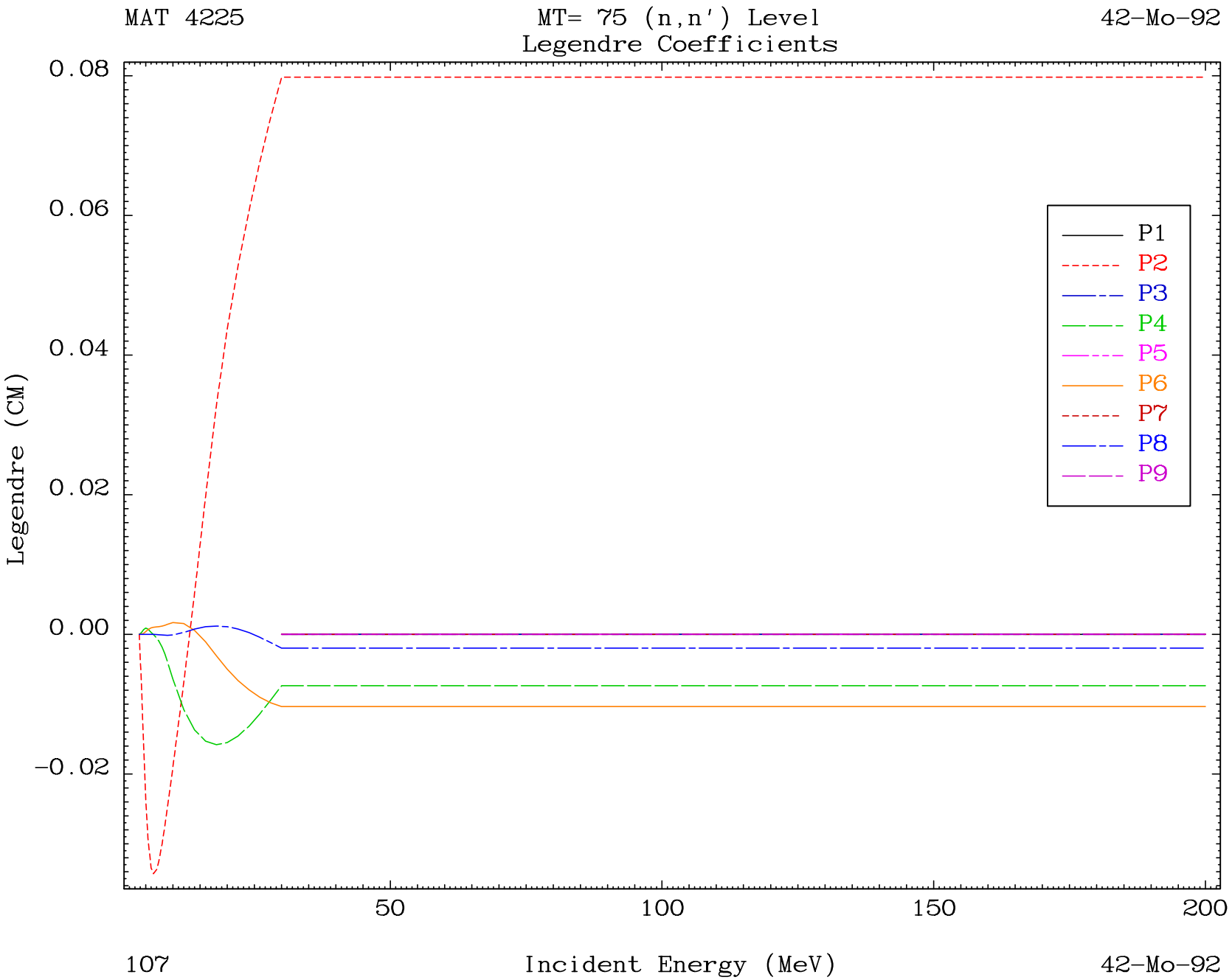

MAT 4225
MT= 73 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
102
Incident Energy (MeV)
42-Mo-92

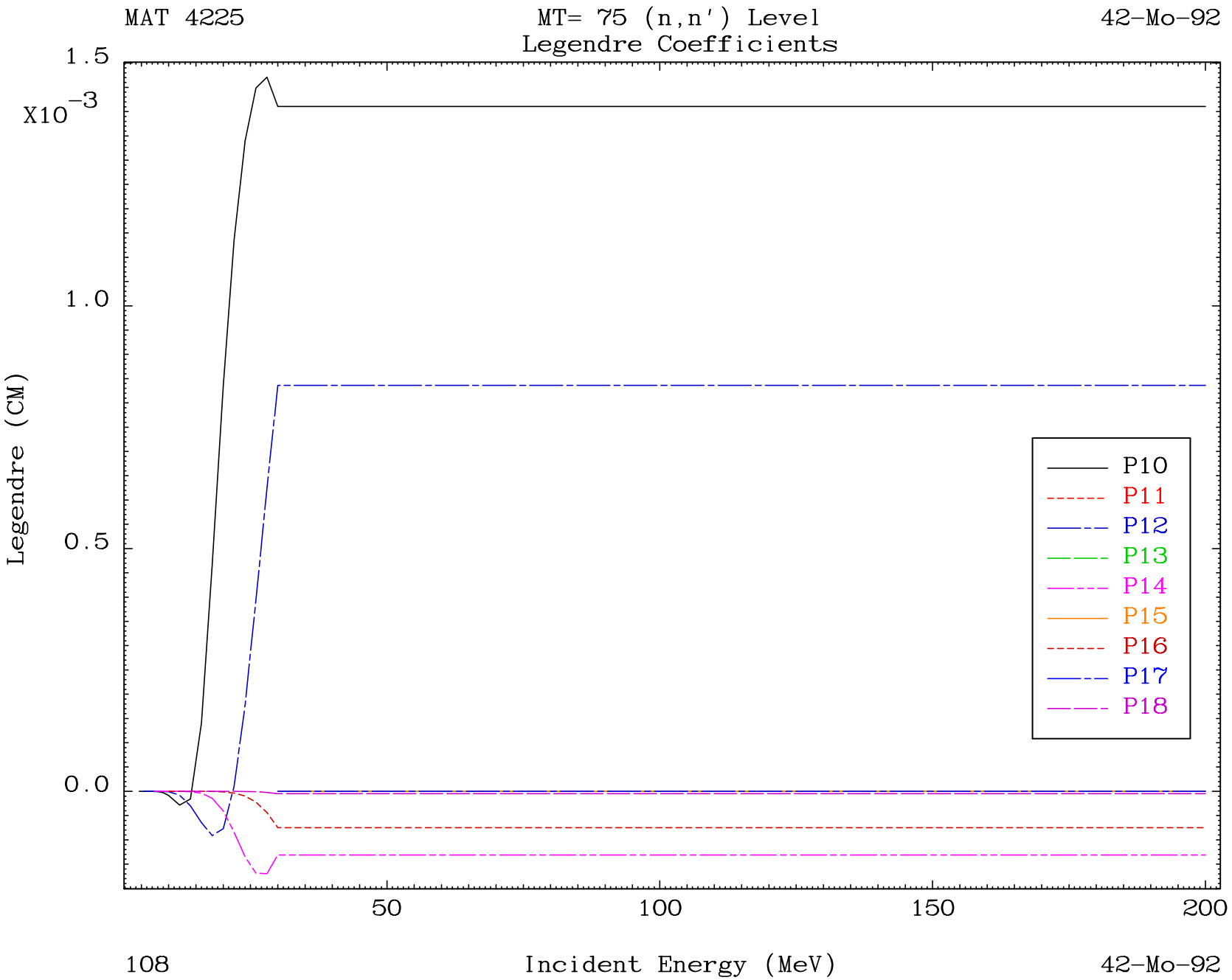

MAT 4225
MT= 74 (n,n') Level
Legendre Coefficients
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
103
Incident Energy (MeV)
42-Mo-92

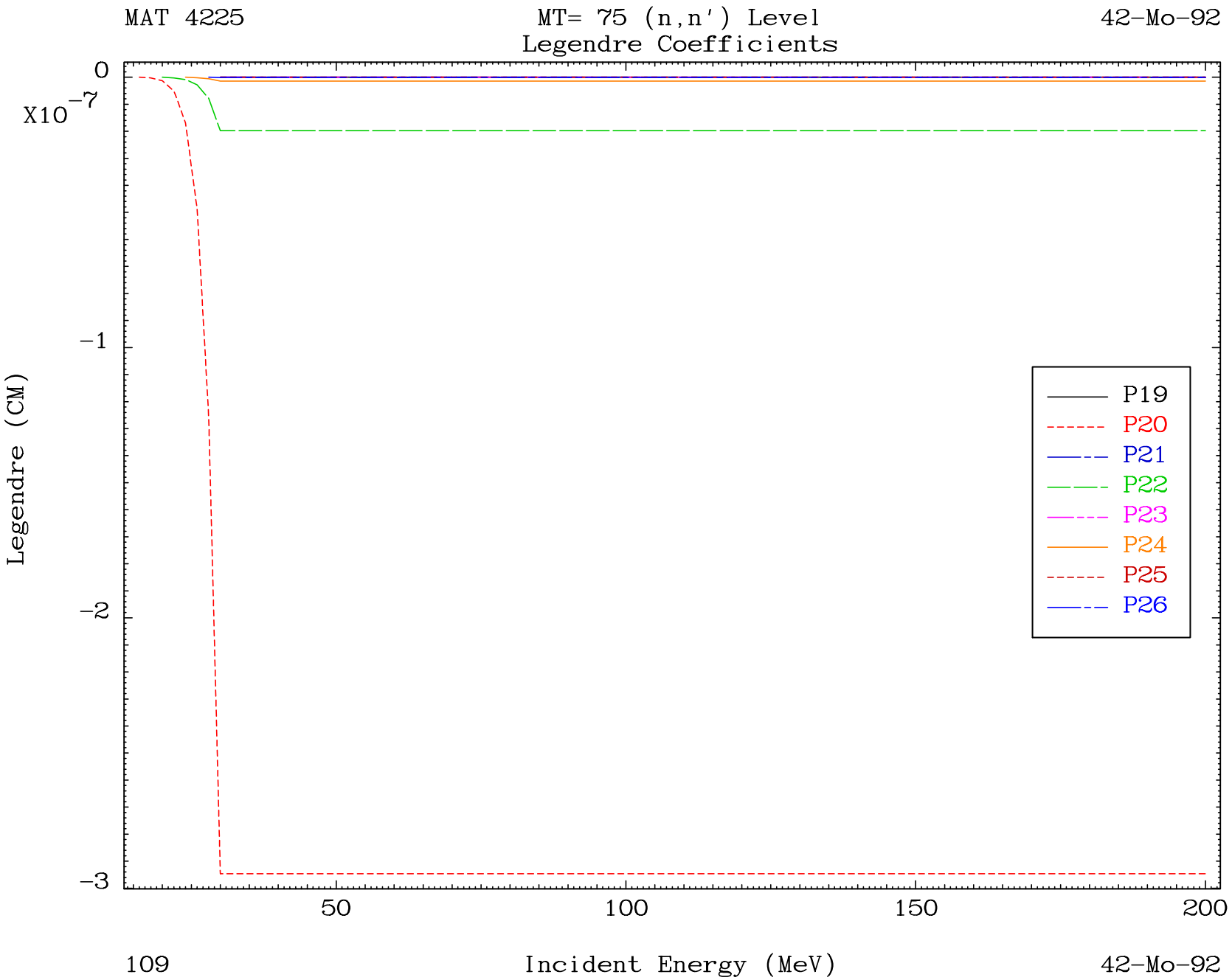

MAT 4225
MT= 74 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
104
Incident Energy (MeV)
42-Mo-92

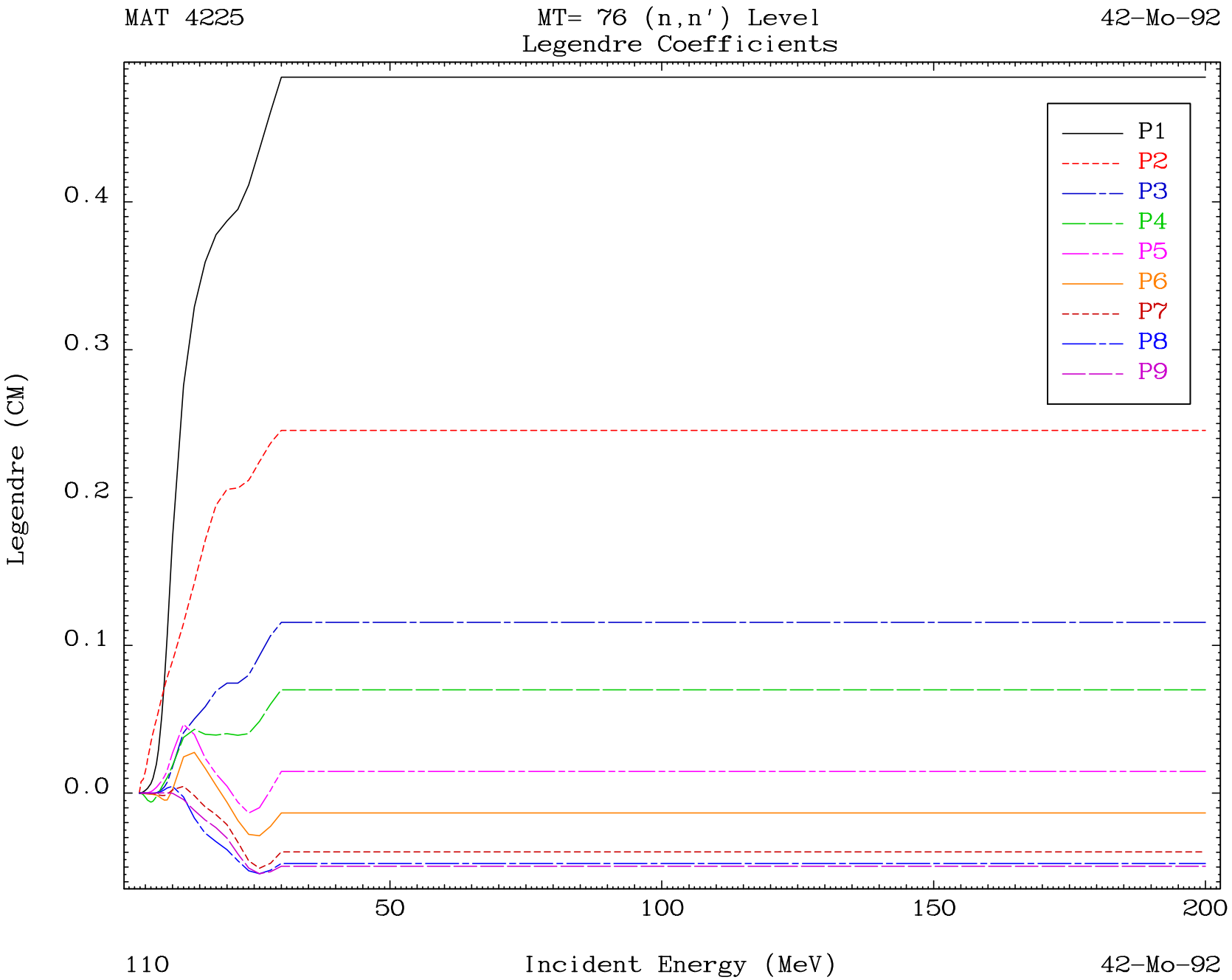

MAT 4225
MT= 74 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
105
Incident Energy (MeV)
42-Mo-92

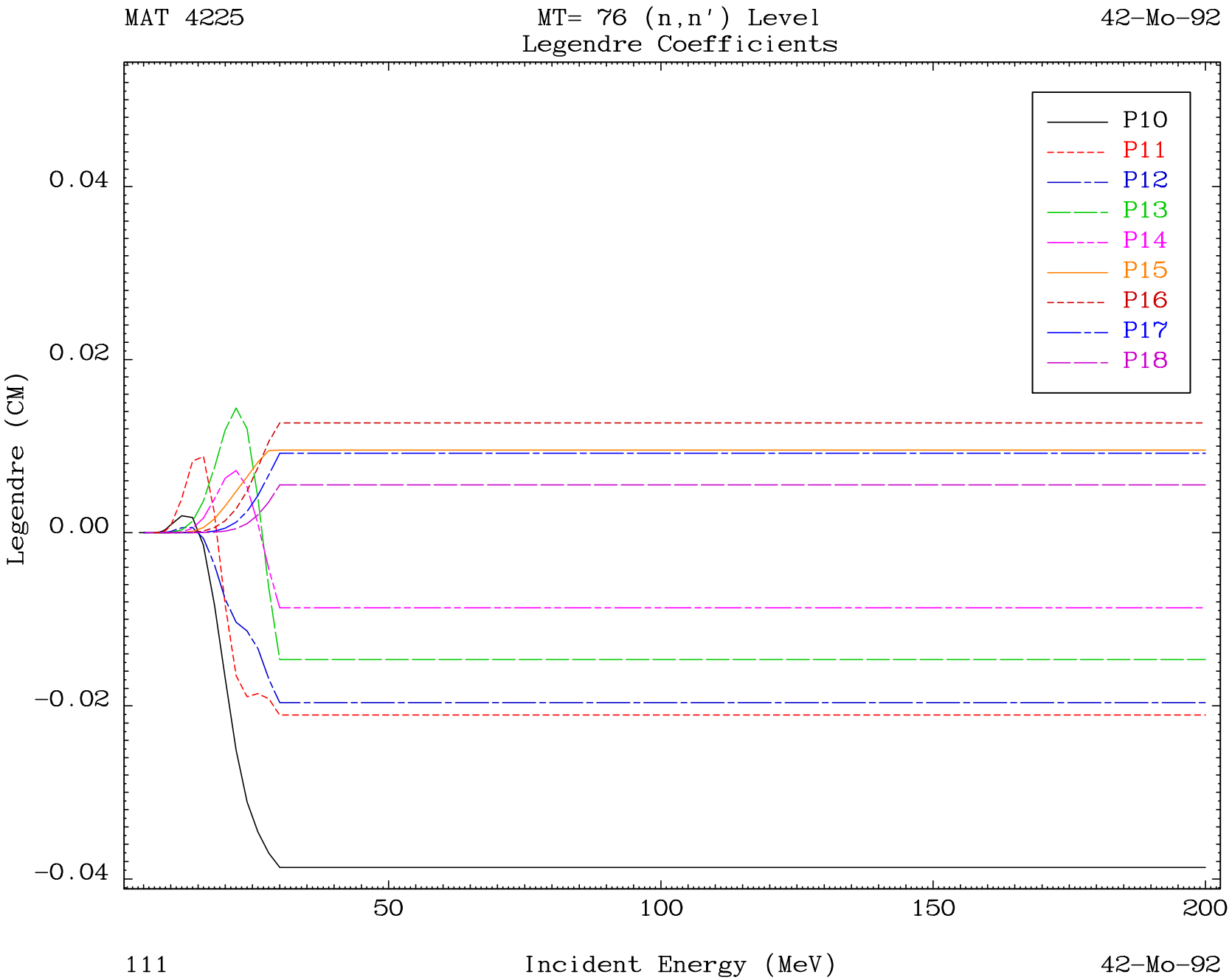

MAT 4225
MT= 74 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-74
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
106
Incident Energy (MeV)
42-Mo-92

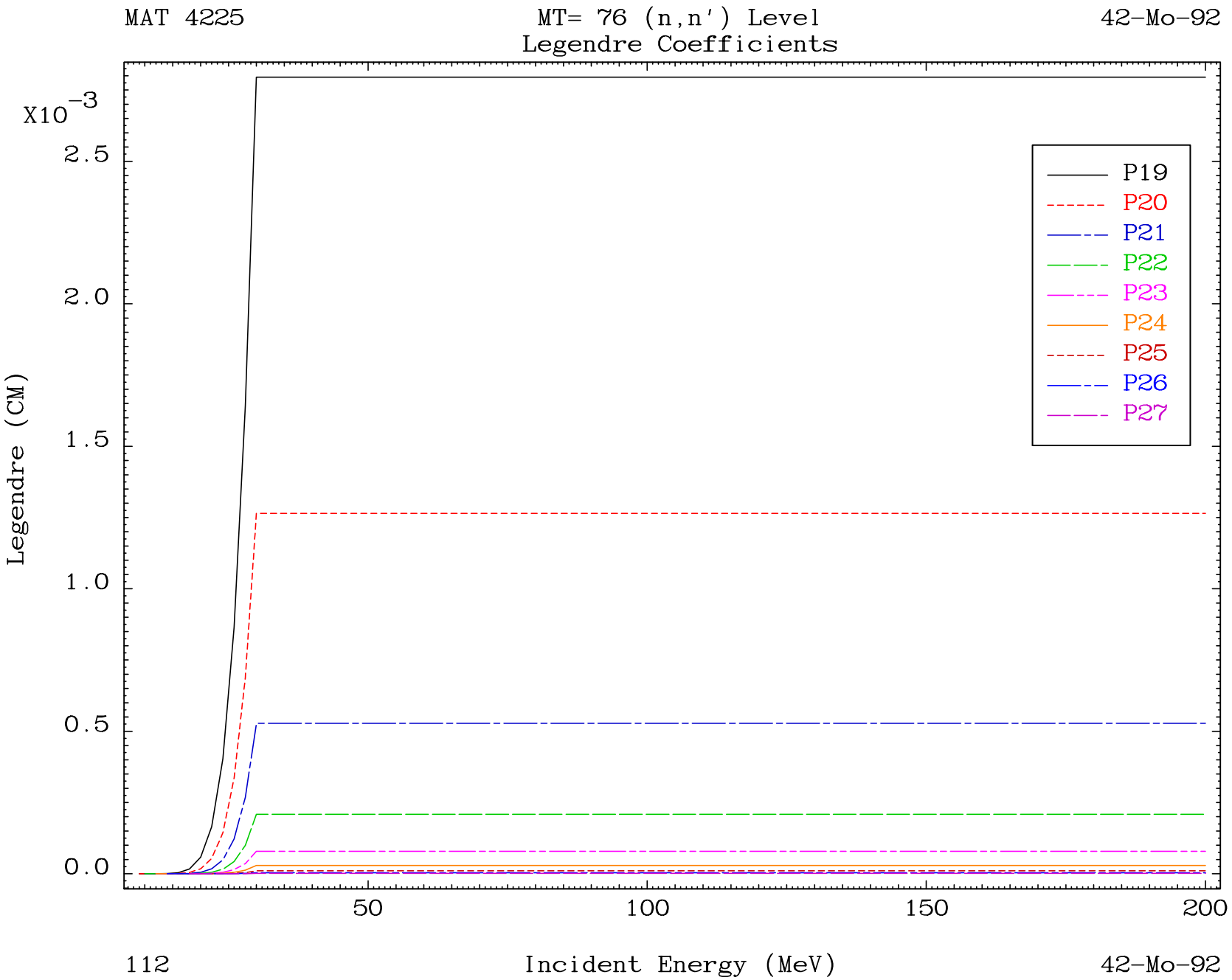

MAT 4225
MT= 75 (n,n') Level
Legendre Coefficients
42-Mo-92
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
107
Incident Energy (MeV)
42-Mo-92

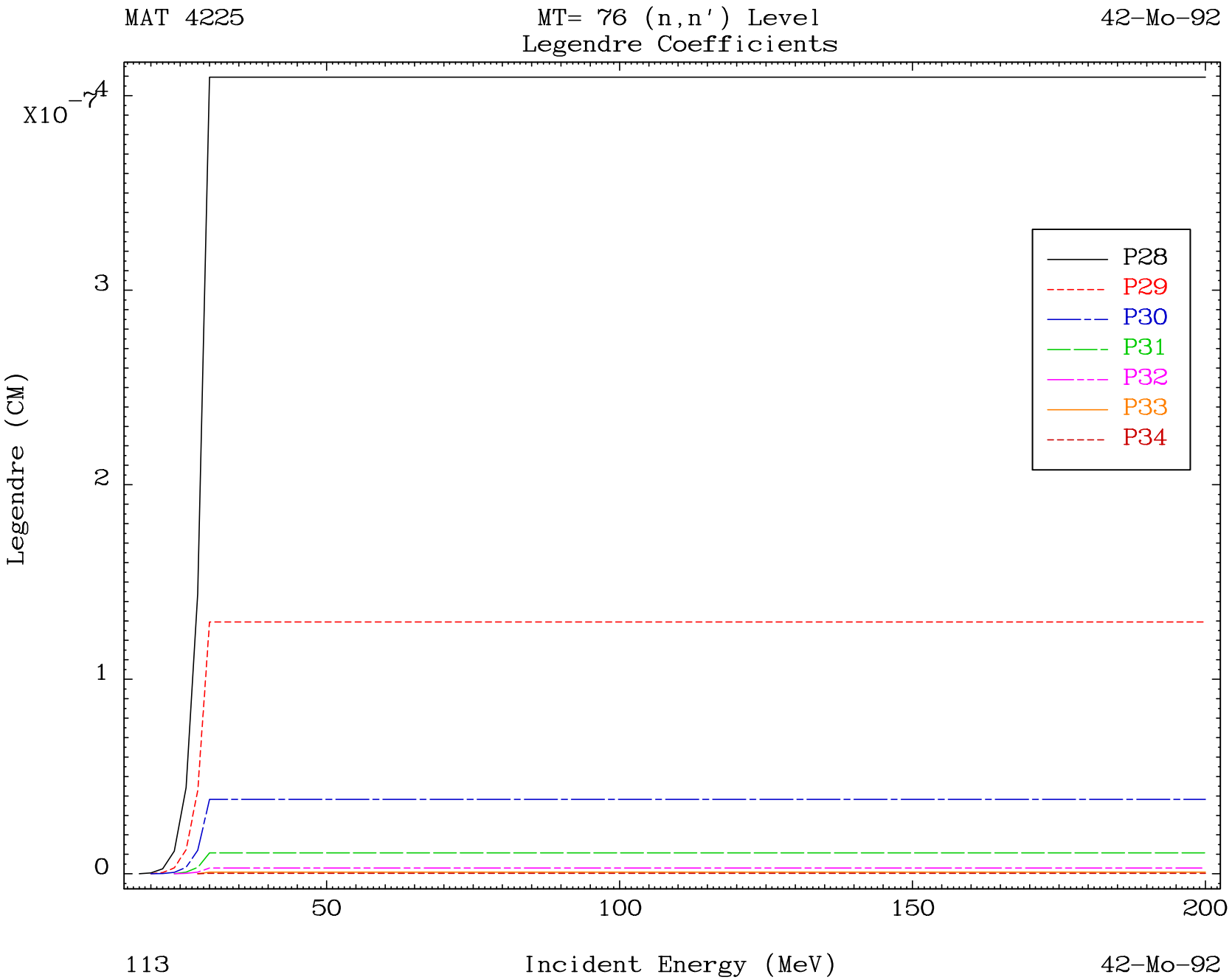

MAT 4225
MT= 75 (n,n') Level
Legendre Coefficients
42-Mo-92
1.5
X10-3
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
108
Incident Energy (MeV)
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18

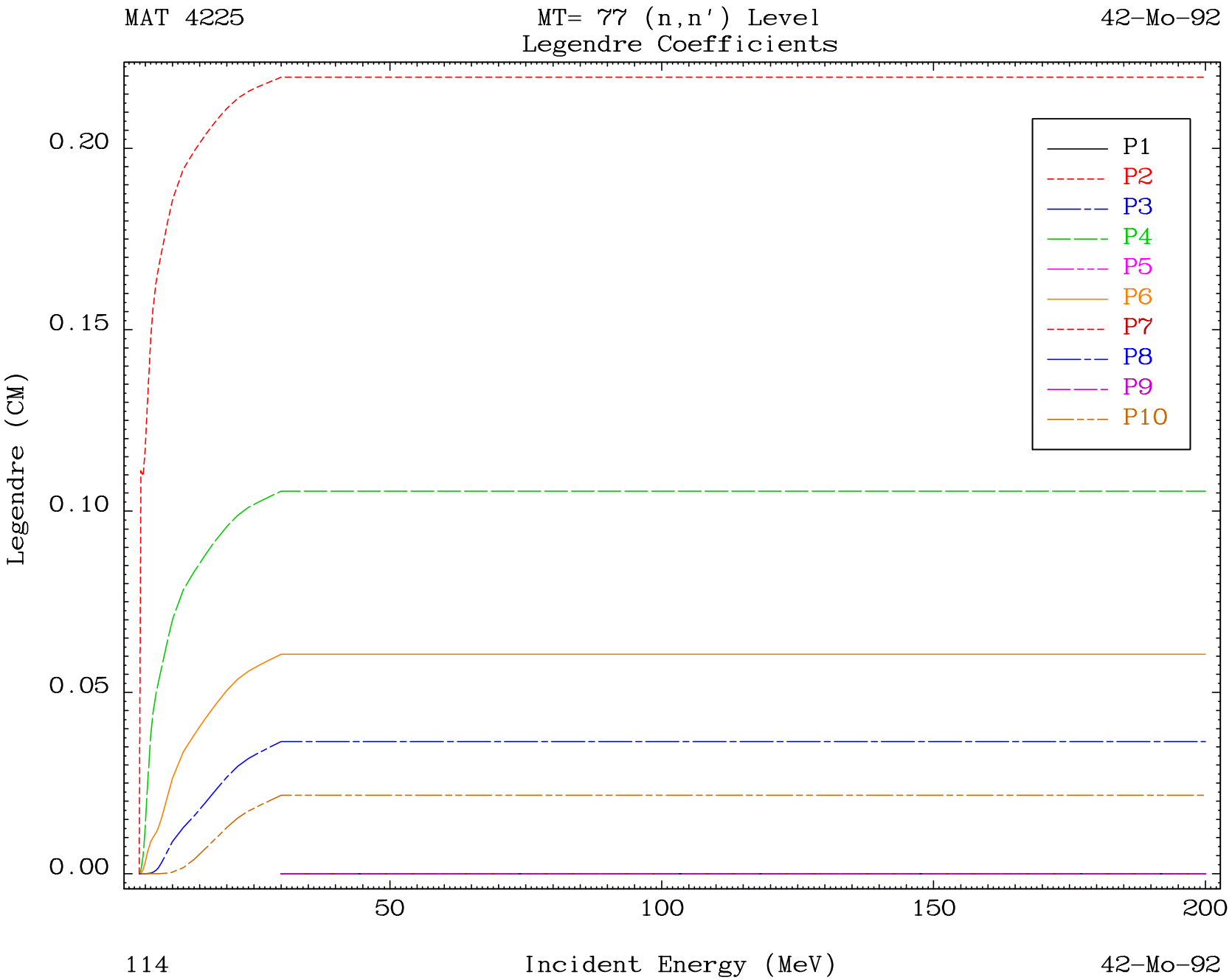

MAT 4225
MT= 75 (n,n') Level
Legendre Coefficients
42-Mo-92
0
X10-7
-1
-2
-3
Legendre (CM)
50
100
150
200
109
Incident Energy (MeV)
42-Mo-92
P19
P20
P21
P22
P23
P24
P25
P26

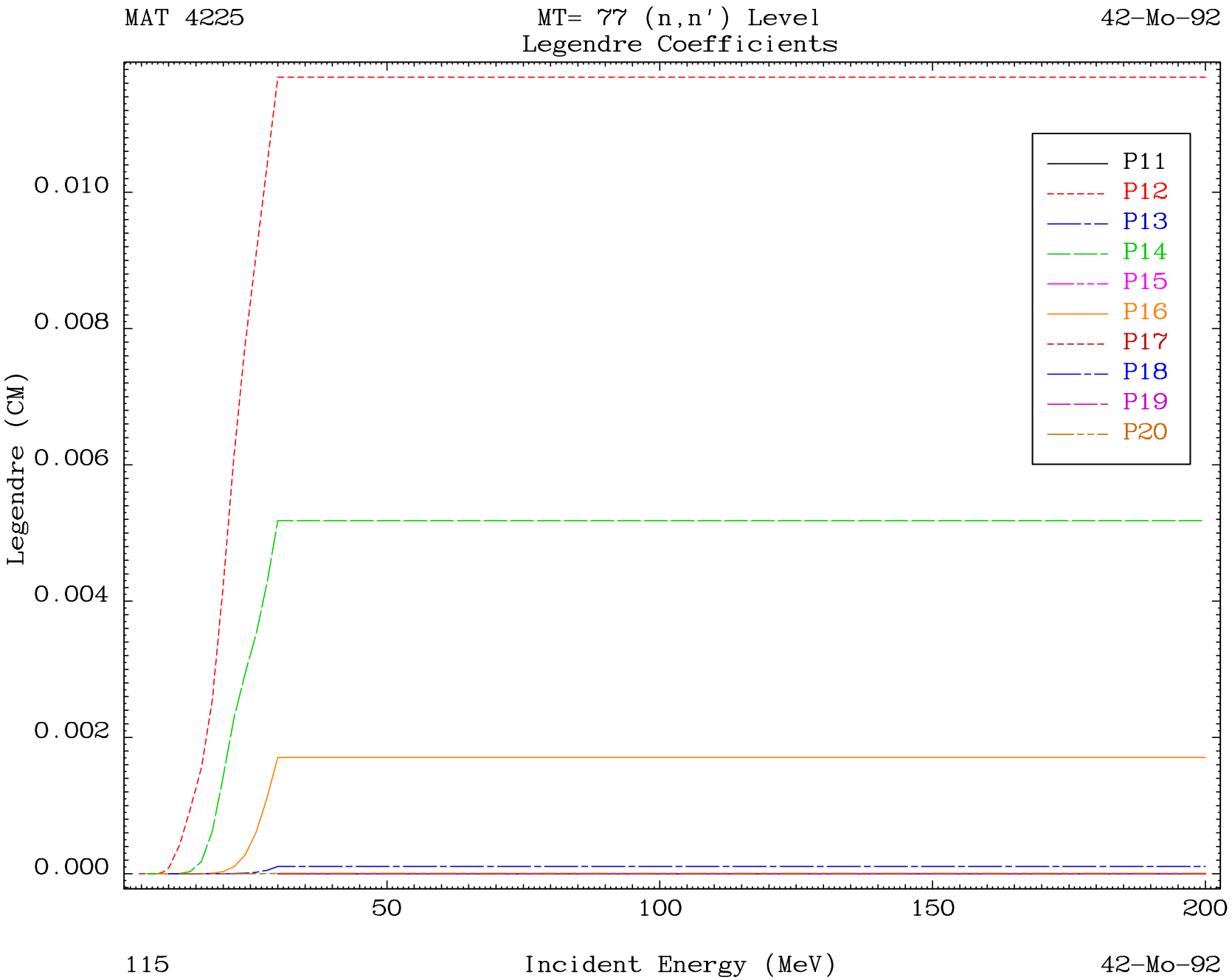

MAT 4225
MT= 76 (n,n') Level
Legendre Coefficients
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
50
100
150
200
110
Incident Energy (MeV)
42-Mo-92

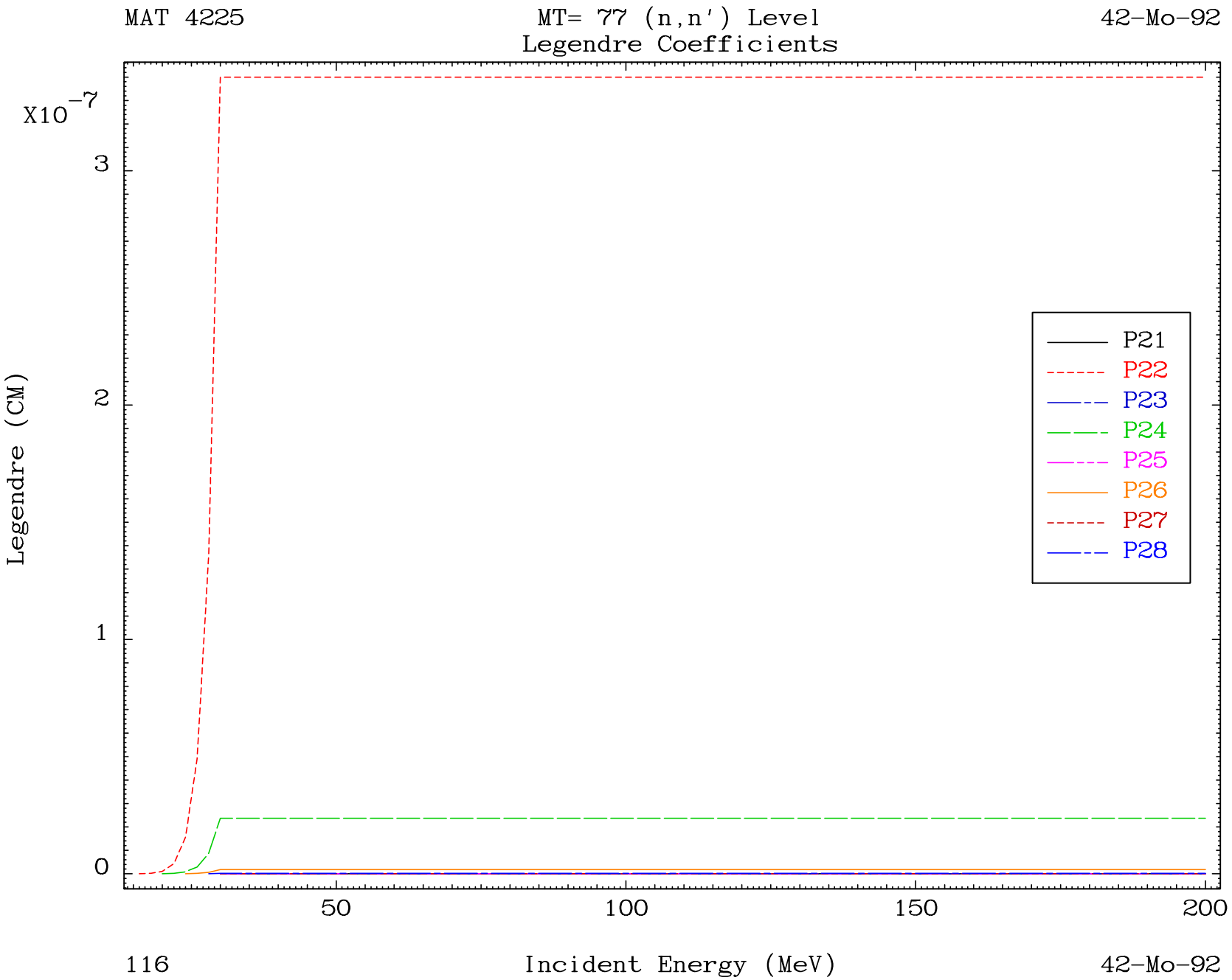

MAT 4225
MT= 76 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
111
Incident Energy (MeV)
42-Mo-92

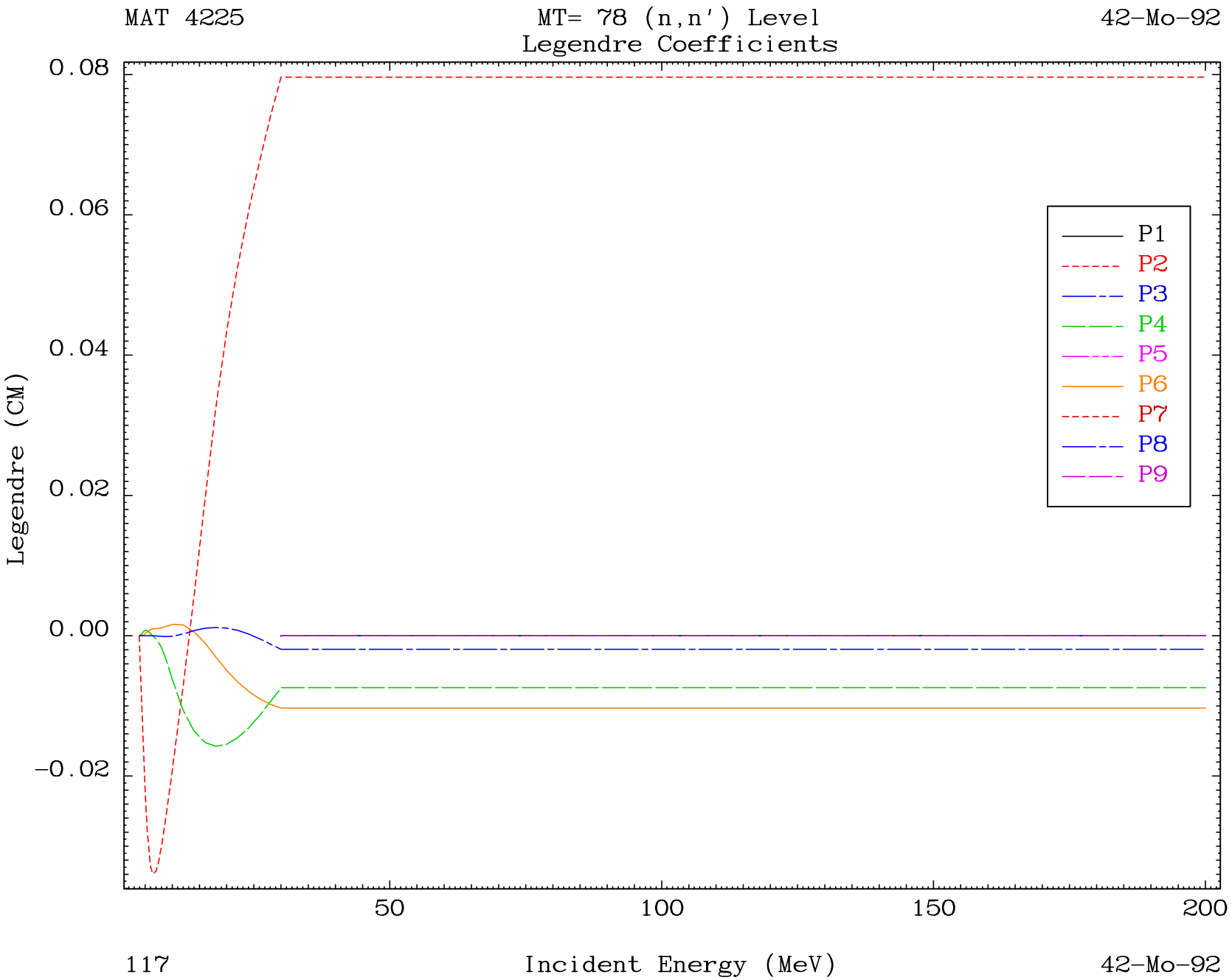

MAT 4225
MT= 76 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
112
Incident Energy (MeV)
42-Mo-92

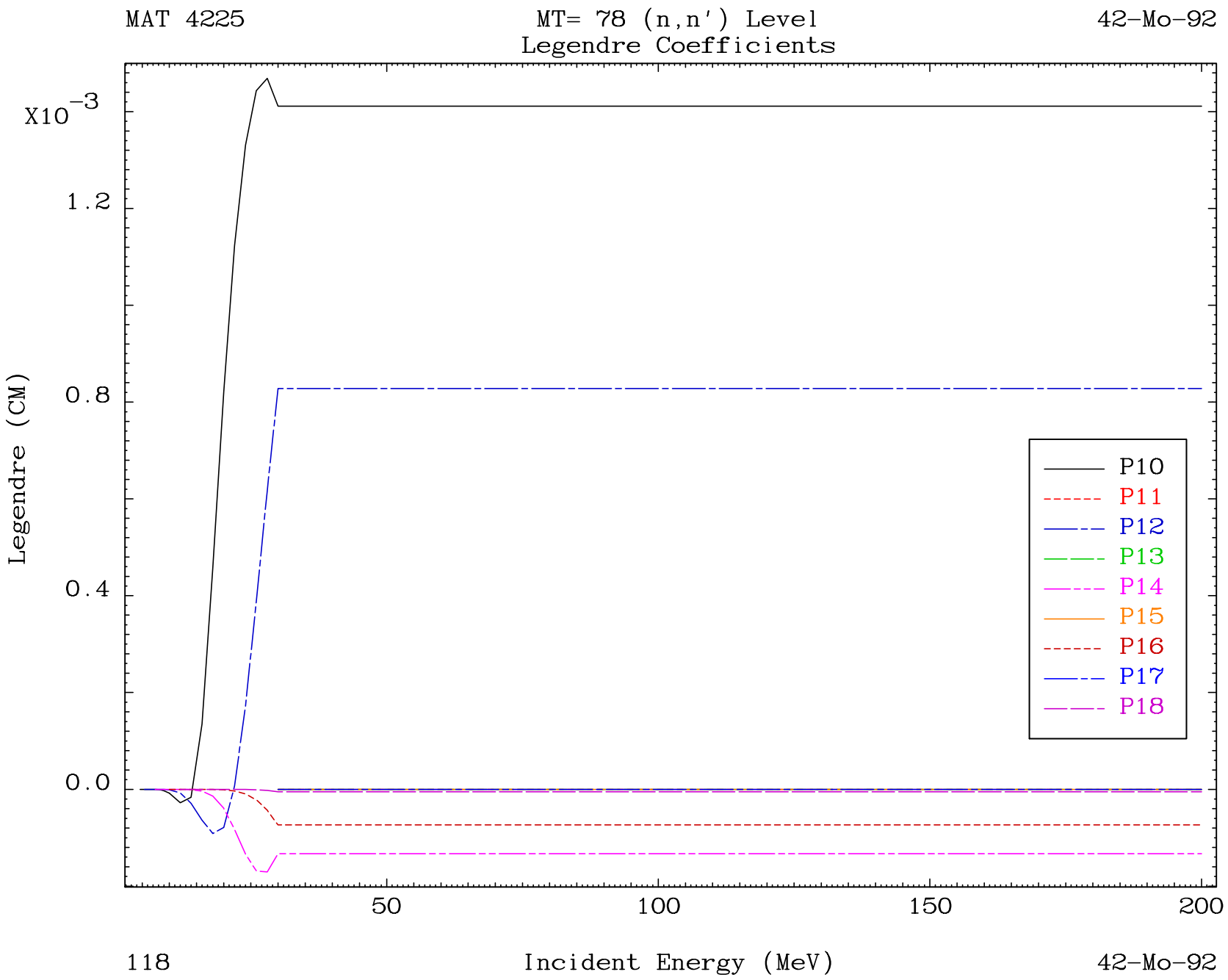

MAT 4225
MT= 76 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
113
Incident Energy (MeV)
42-Mo-92

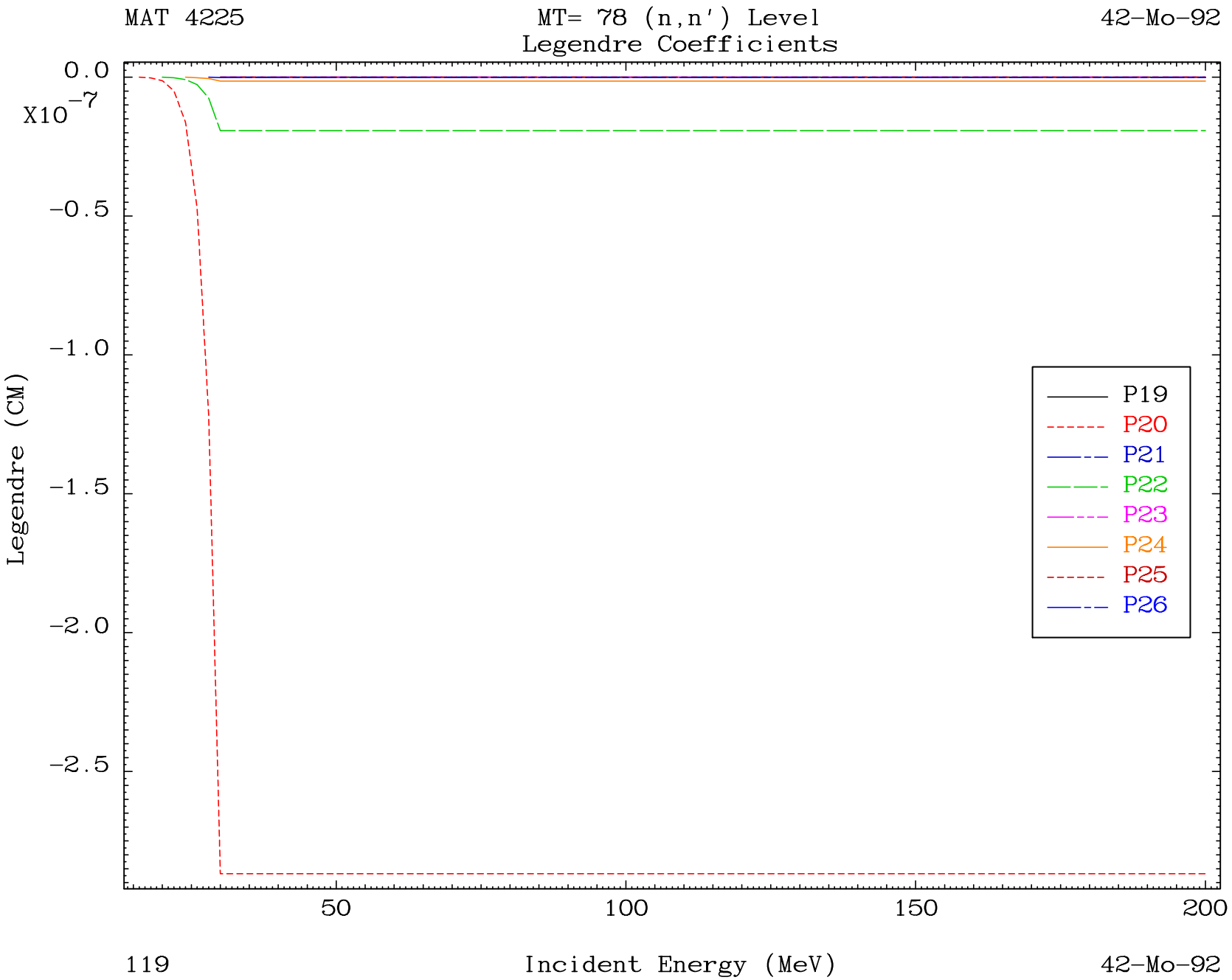

MAT 4225
MT= 77 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
50
100
150
200
Incident Energy (MeV)
114
42-Mo-92
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

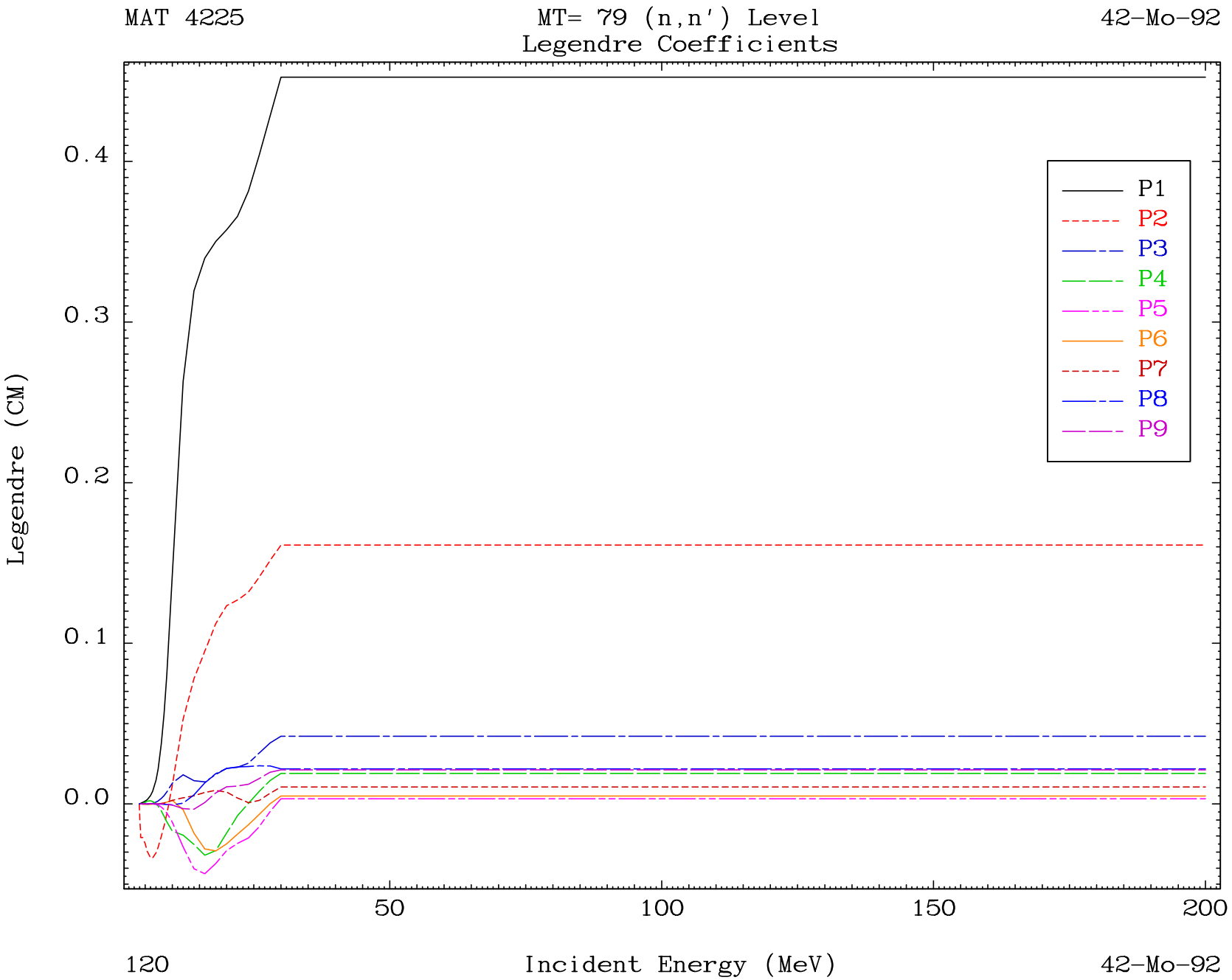

MAT 4225
MT= 77 (n,n') Level
Legendre Coefficients
42-Mo-92
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
50
100
150
200
115
Incident Energy (MeV)
42-Mo-92

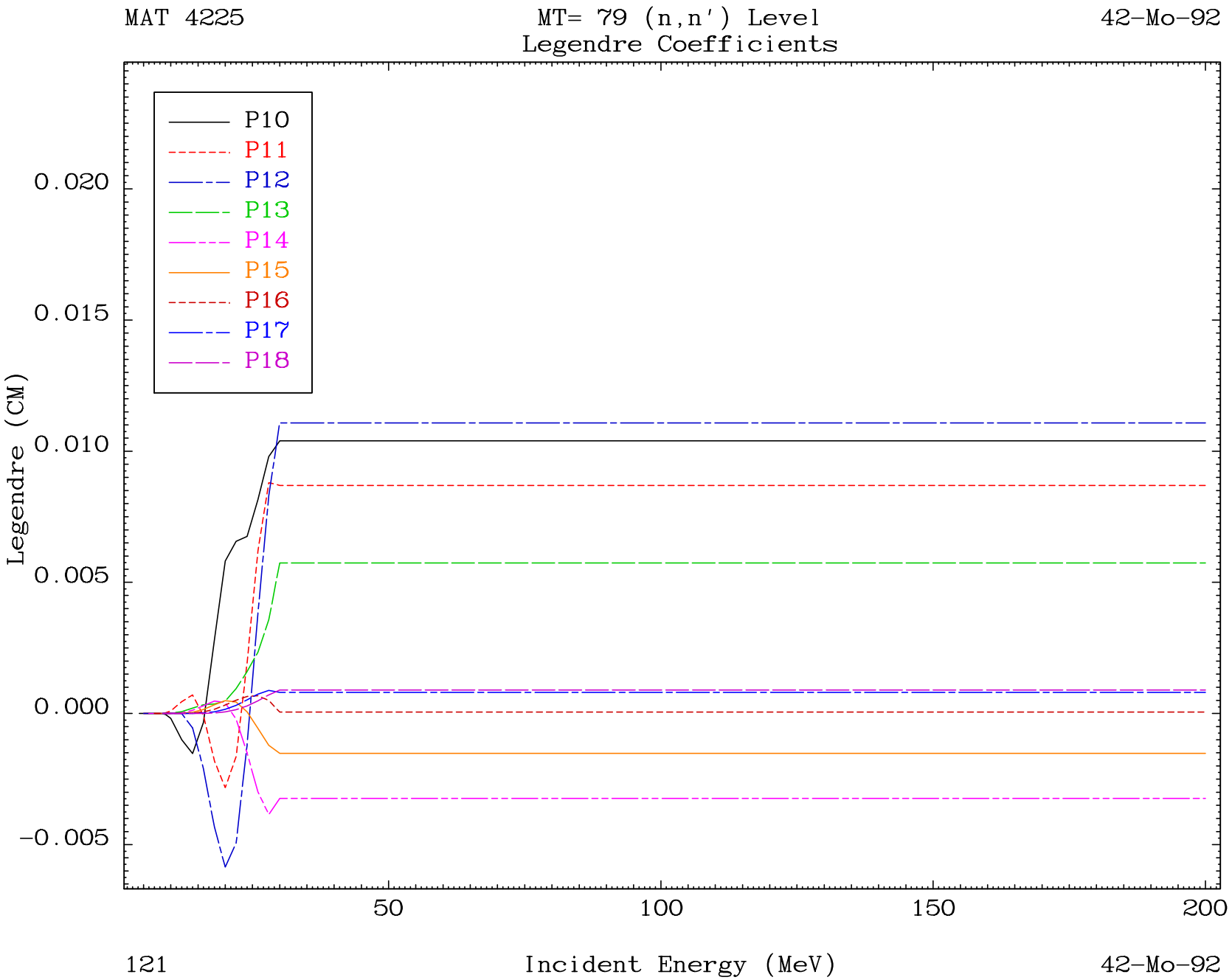

MAT 4225
MT= 77 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
116
Incident Energy (MeV)
42-Mo-92

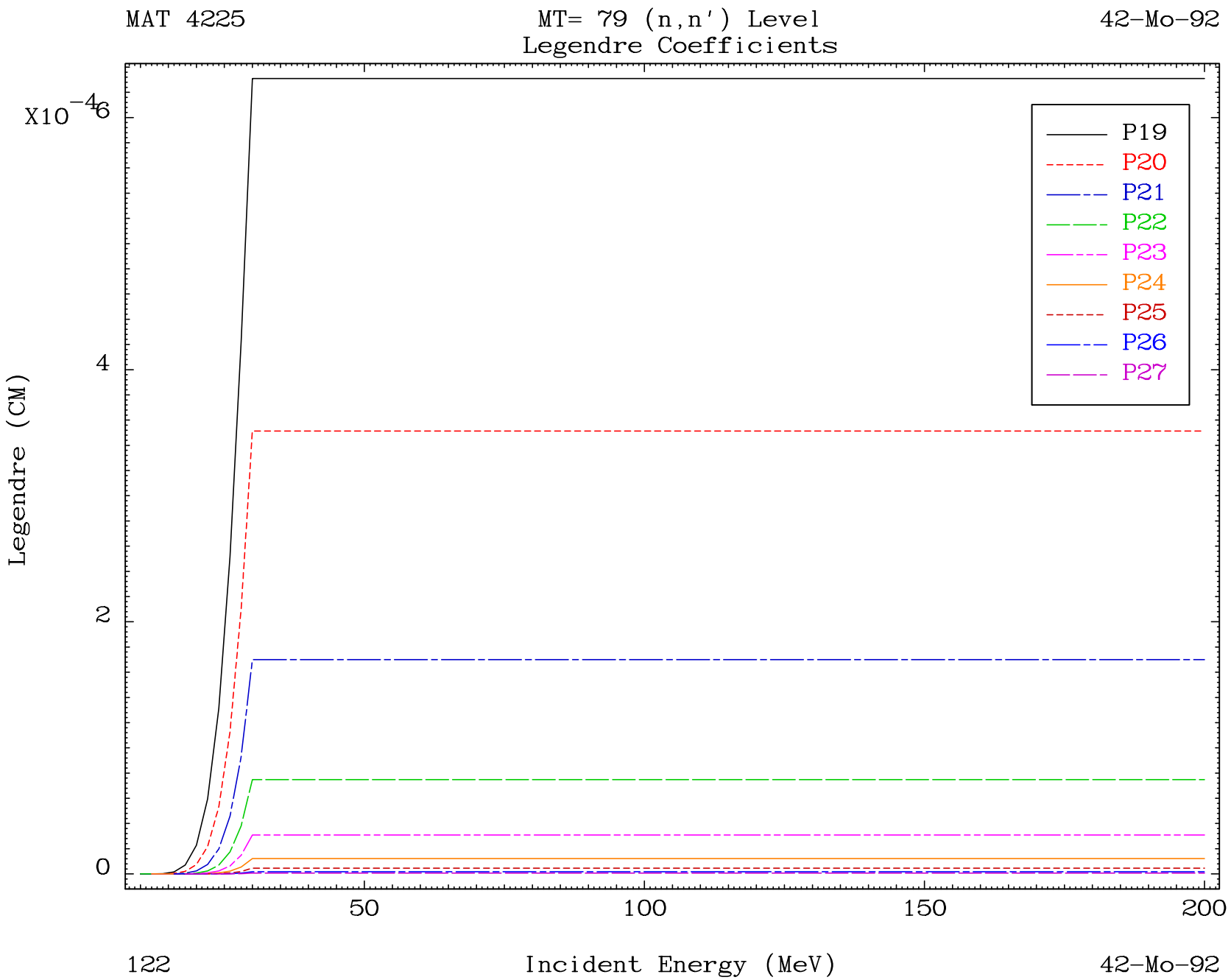

MAT 4225
MT= 78 (n,n') Level
Legendre Coefficients
42-Mo-92
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
117
Incident Energy (MeV)
42-Mo-92

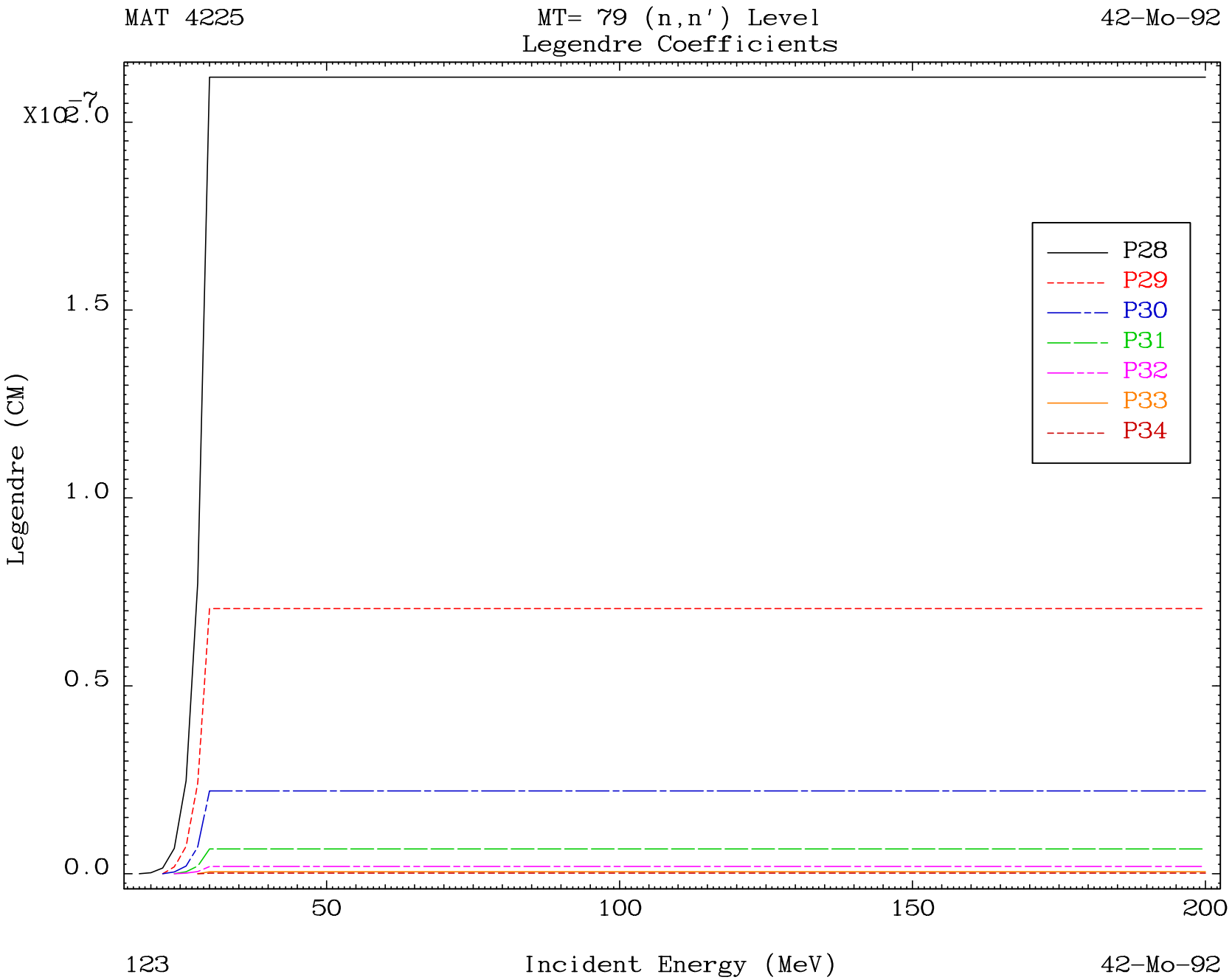

MAT 4225
MT= 78 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-3
1.2
0.8
0.4
0.0
Legendre (CM)
50
100
150
200
P10
P11
P12
P13
P14
P15
P16
P17
P18
118
Incident Energy (MeV)
42-Mo-92

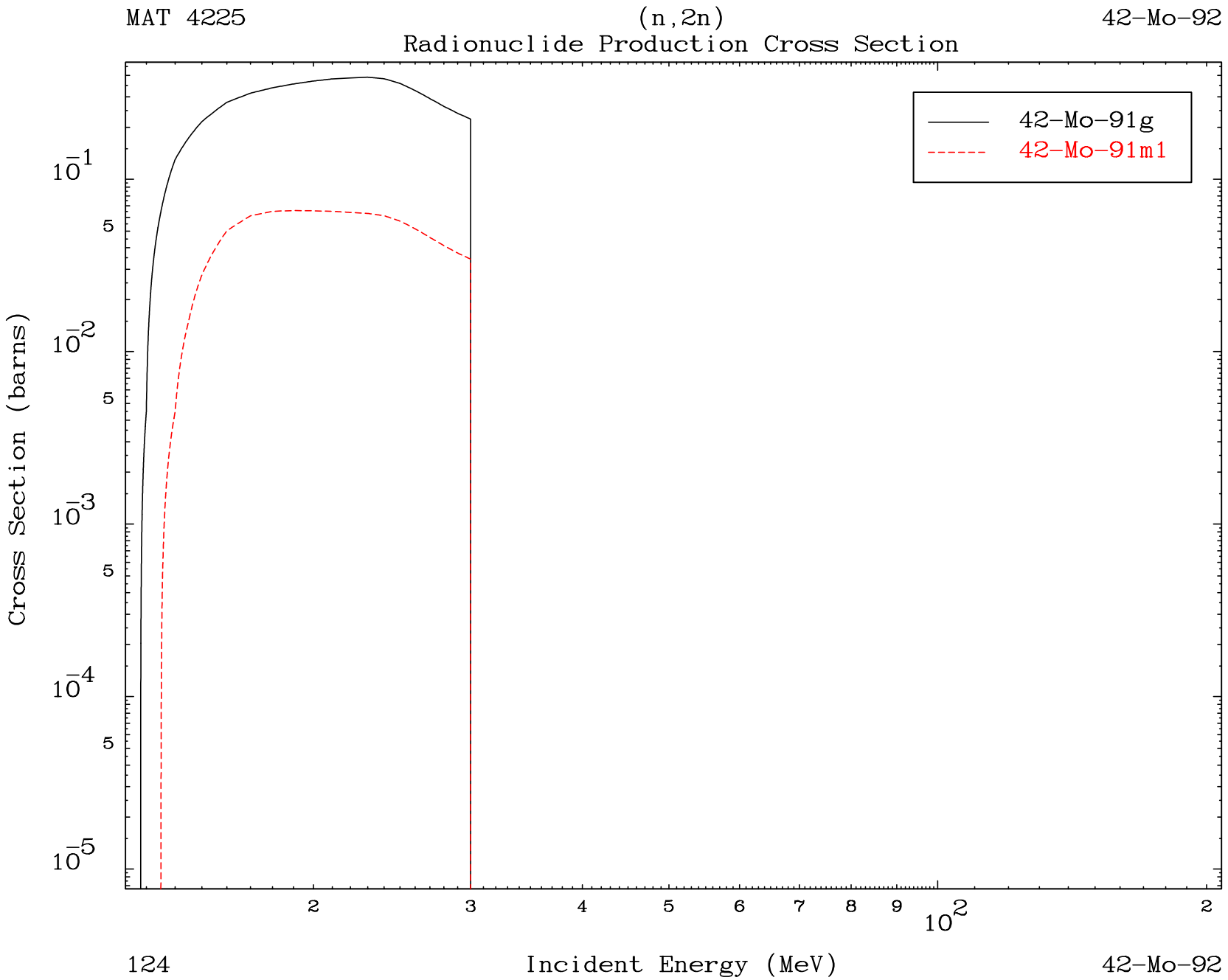

MAT 4225
MT= 78 (n,n') Level
Legendre Coefficients
42-Mo-92
0.0
X10^-7
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
119
Incident Energy (MeV)
42-Mo-92

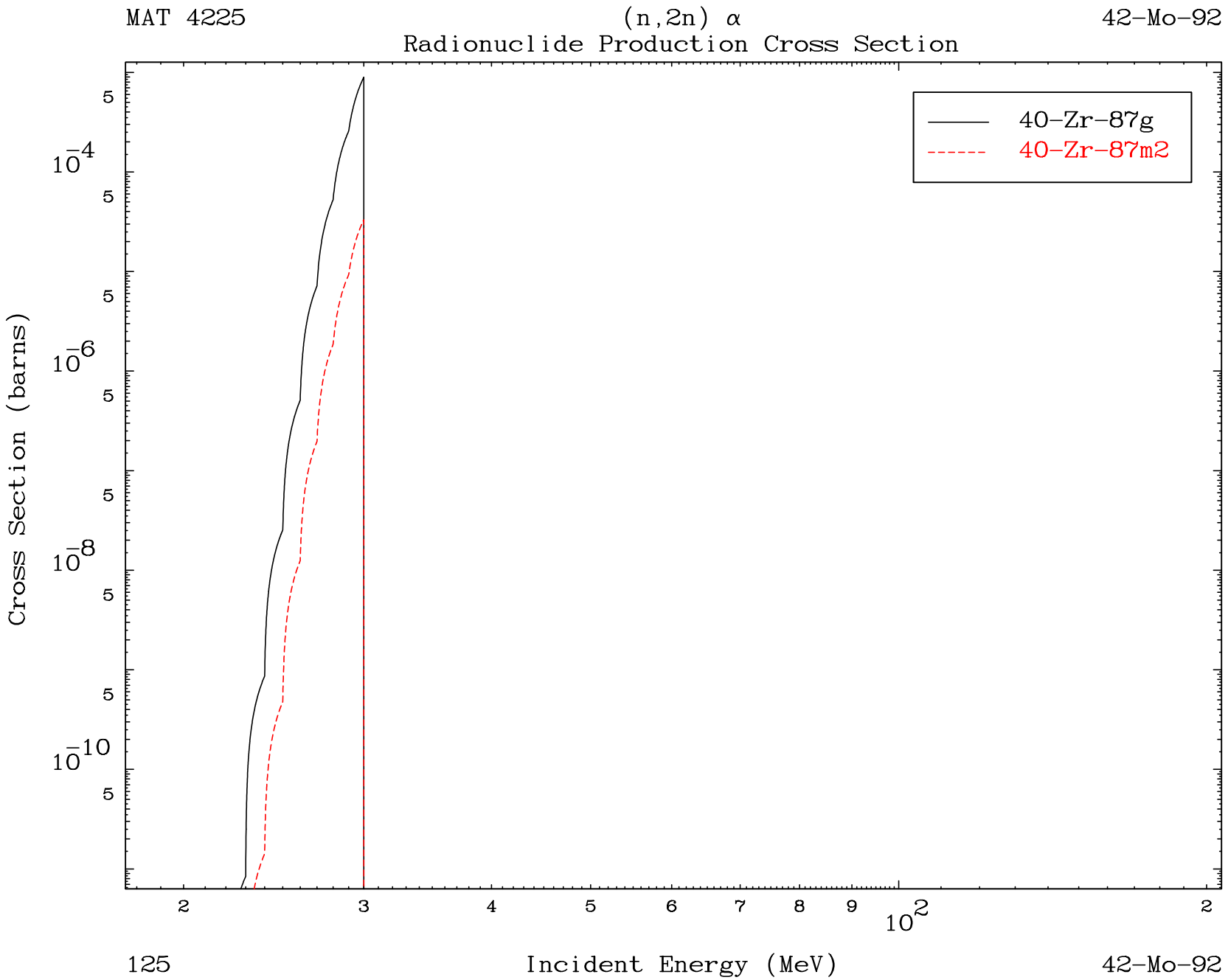

MAT 4225
MT= 79 (n,n') Level
Legendre Coefficients
42-Mo-92
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
120
Incident Energy (MeV)
42-Mo-92

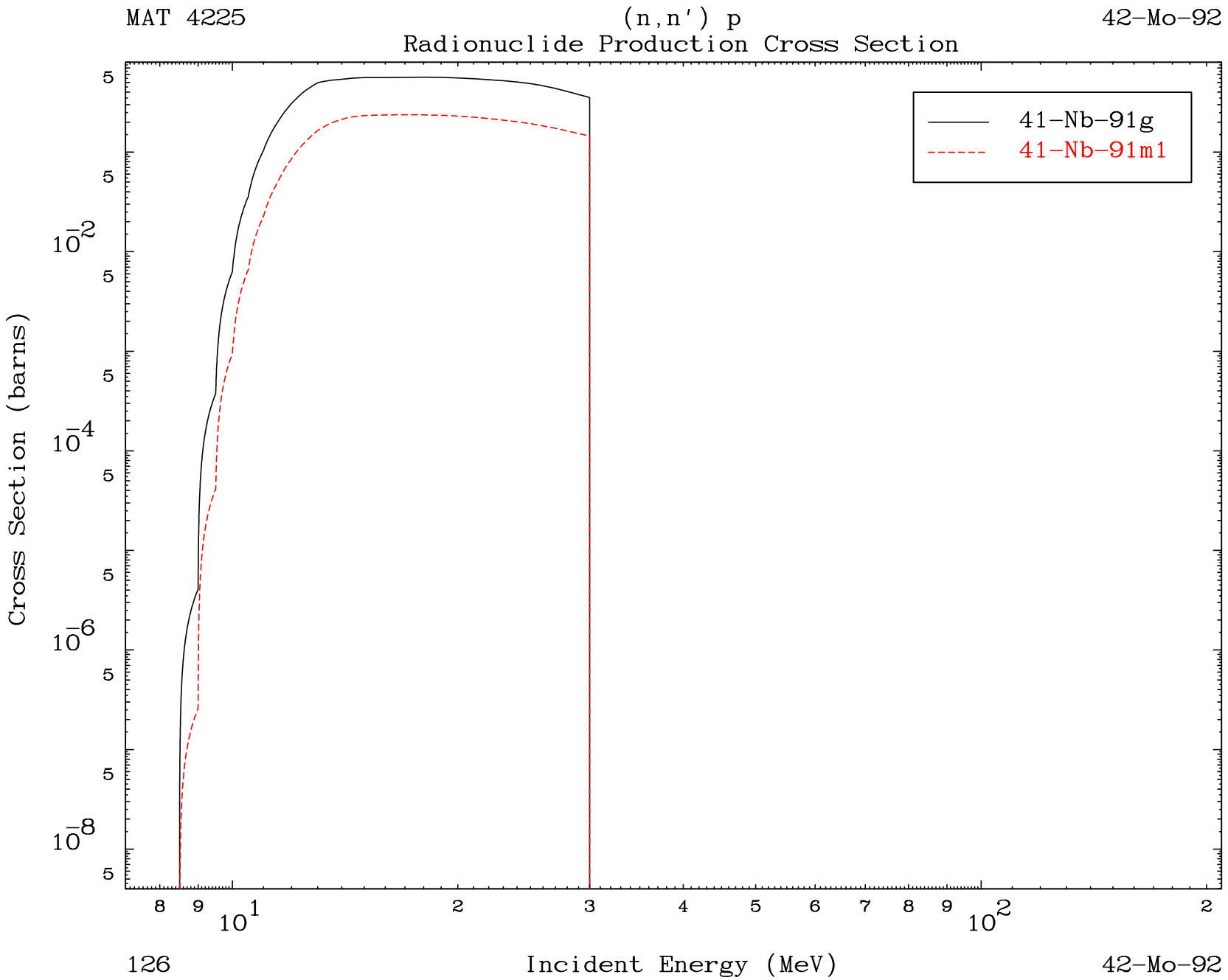

MAT 4225
MT= 79 (n,n') Level
Legendre Coefficients
42-Mo-92
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
121
Incident Energy (MeV)
42-Mo-92

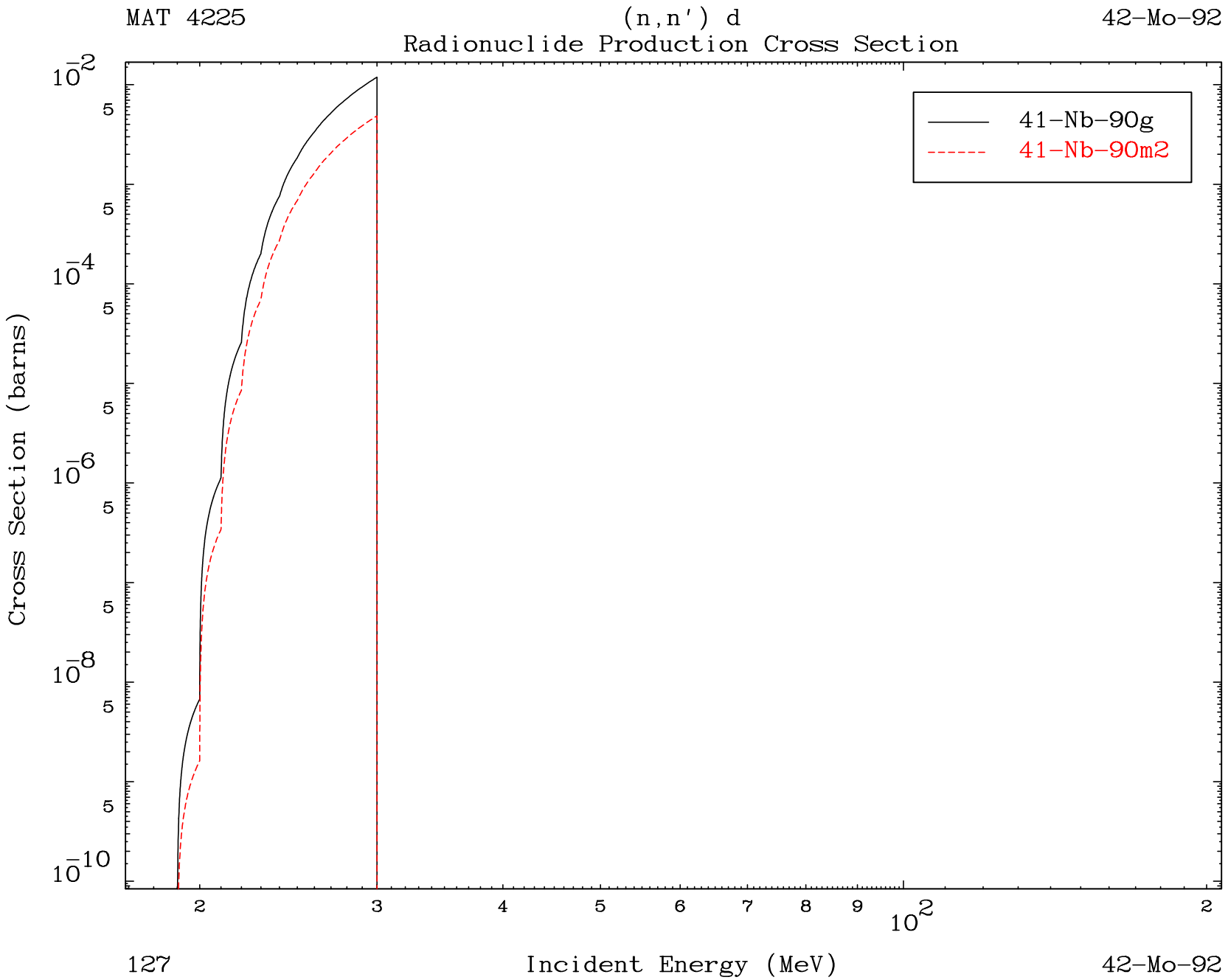

MAT 4225
MT= 79 (n,n') Level
Legendre Coefficients
42-Mo-92
X10^-4
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
122
Incident Energy (MeV)
42-Mo-92

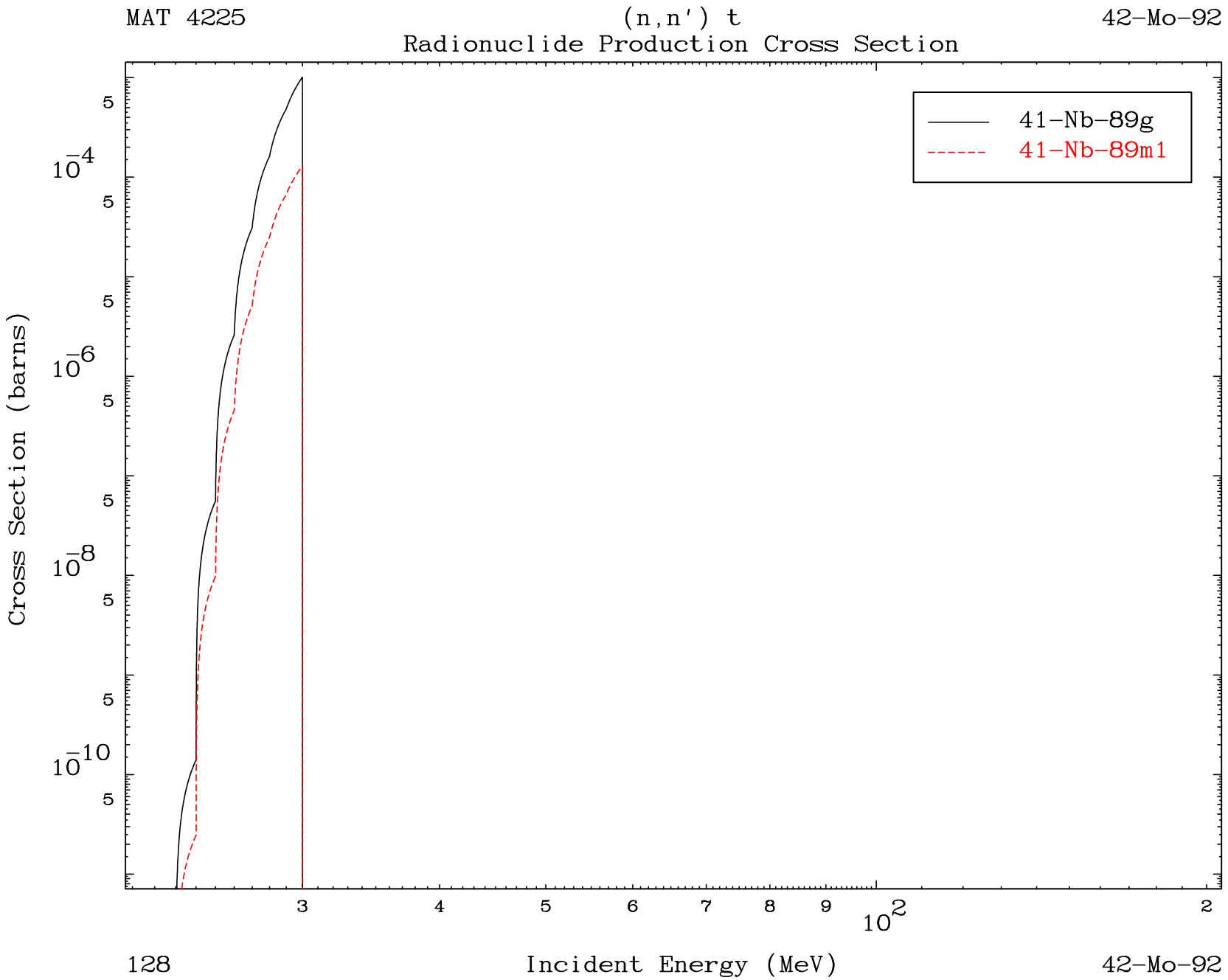

MAT 4225
MT= 79 (n,n') Level
Legendre Coefficients
42-Mo-92
X10-7
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
123
Incident Energy (MeV)
42-Mo-92
P28
P29
P30
P31
P32
P33
P34

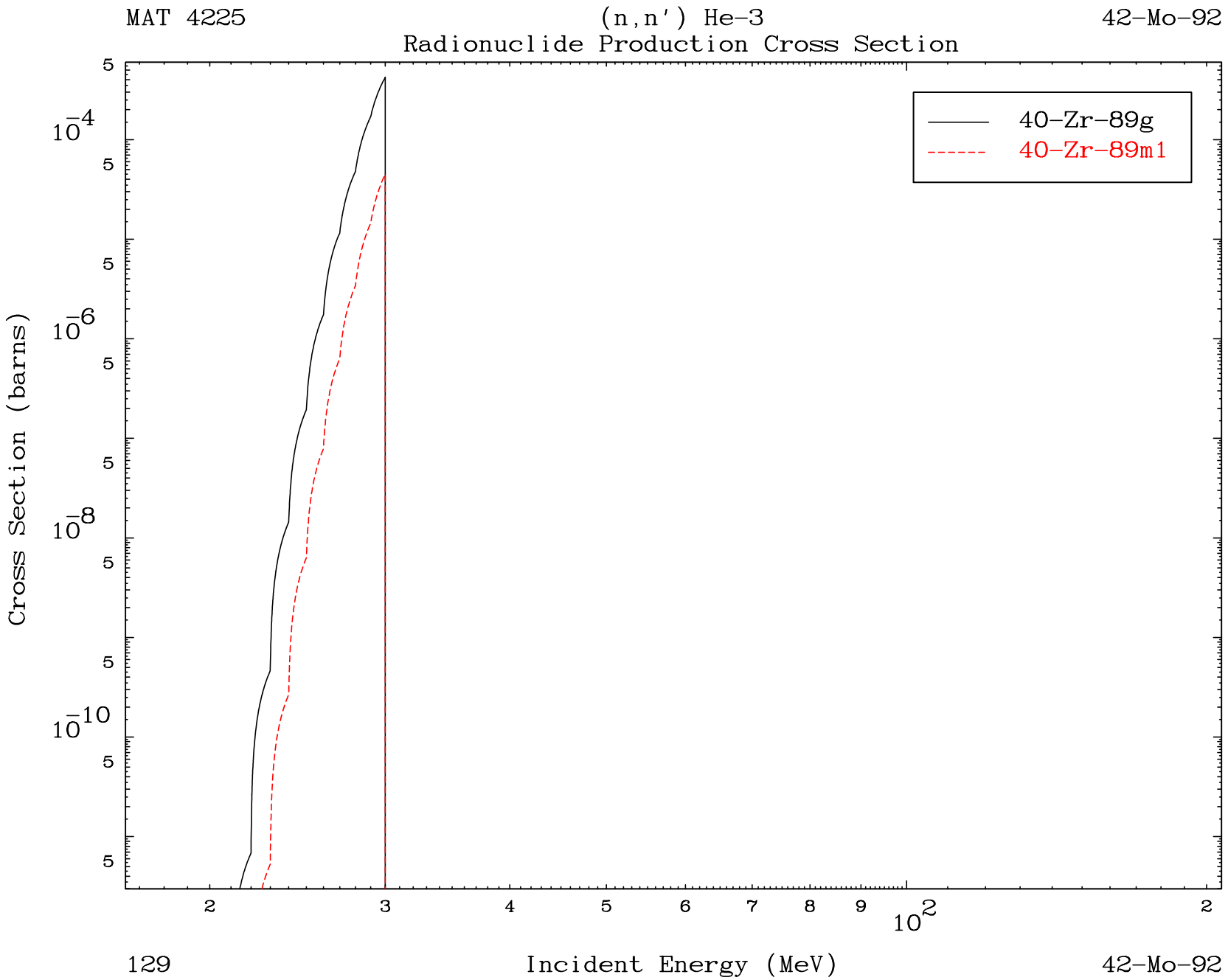

MAT 4225
(n,2n)
42-Mo-92
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
2
3
4
5
6
7
8
9
10 2
2
124
Incident Energy (MeV)
42-Mo-92

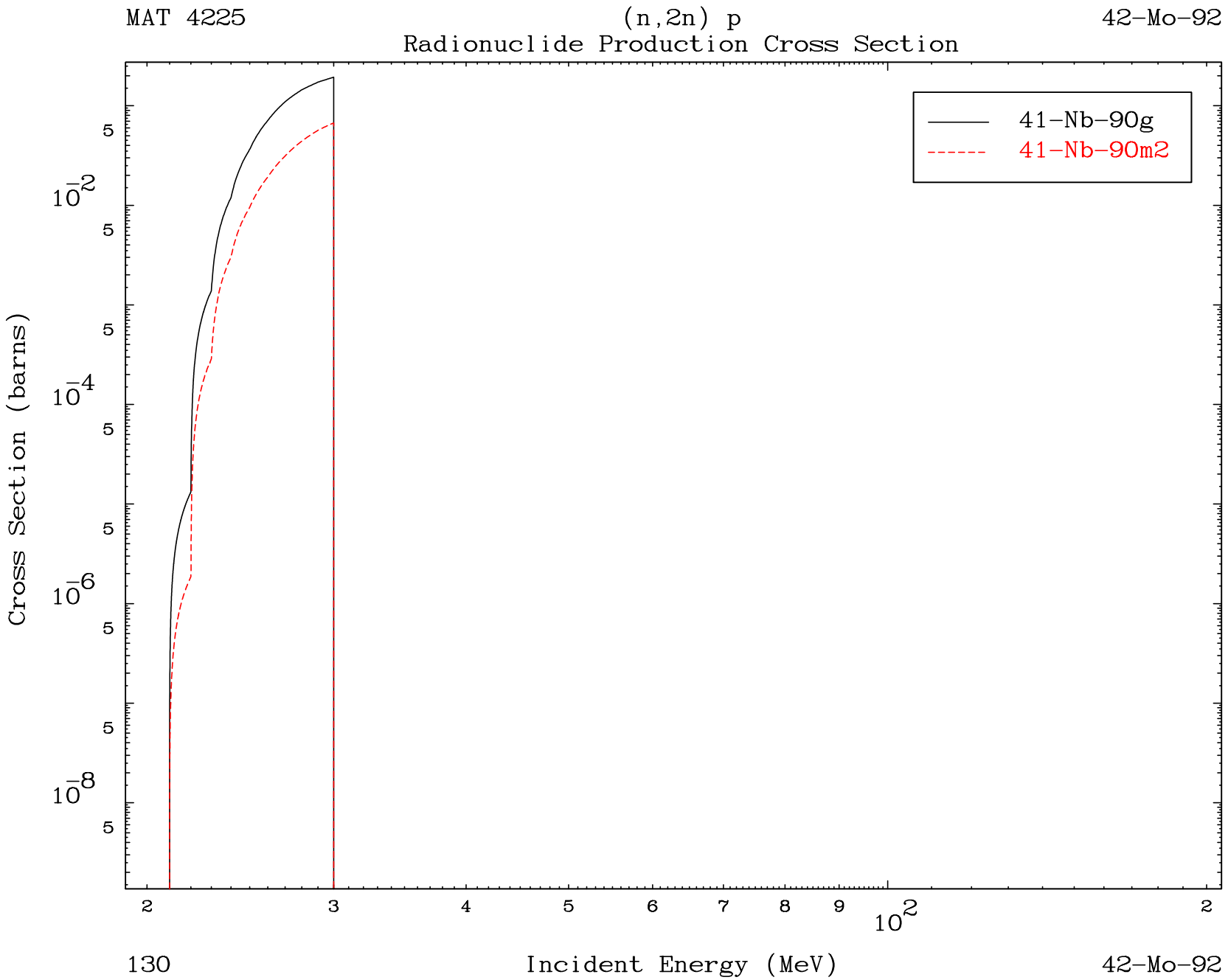

MAT 4225
(n,2n) α
42-Mo-92
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
125
Incident Energy (MeV)
42-Mo-92

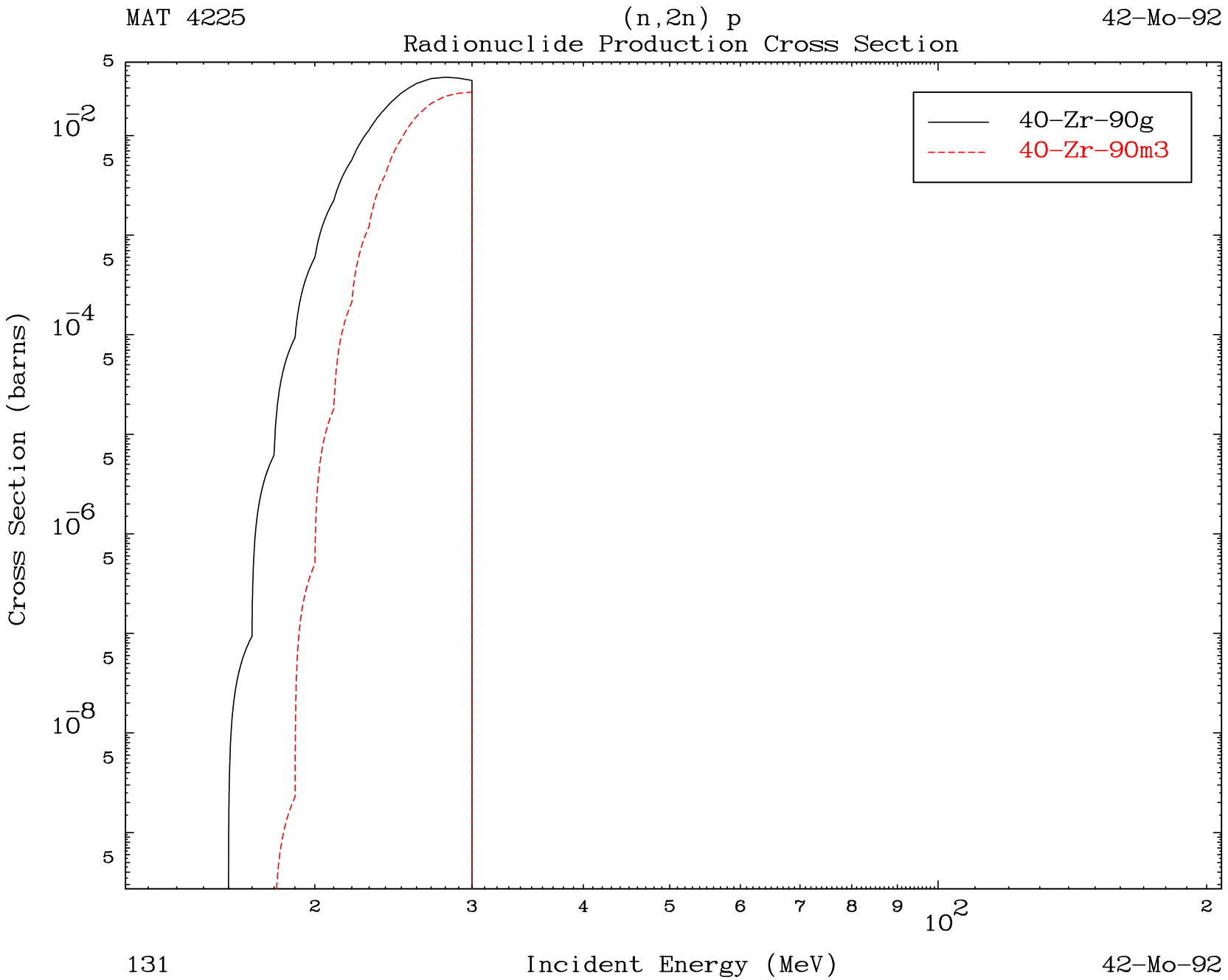

MAT 4225
(n,n') p
42-Mo-92
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
126
42-Mo-92

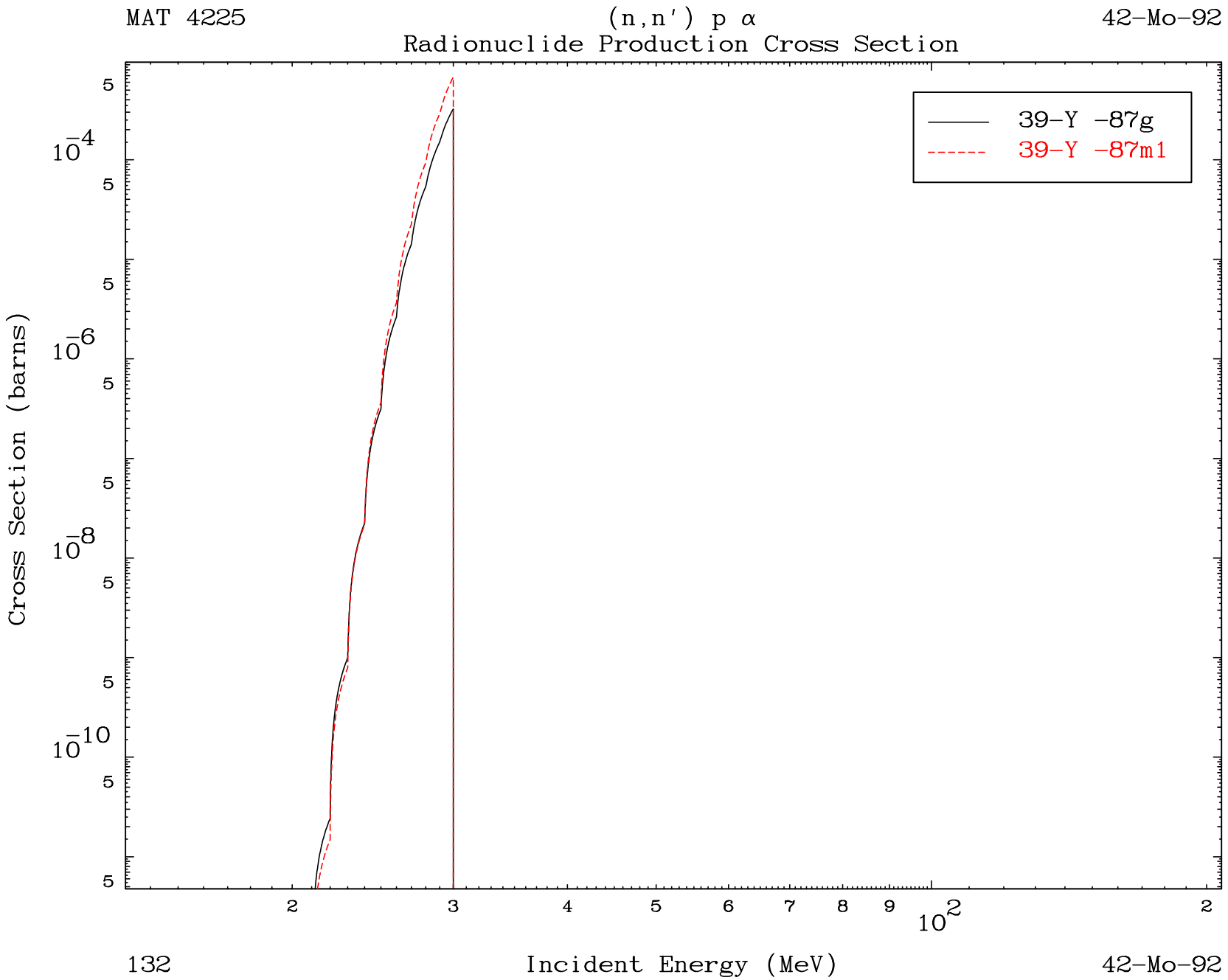

MAT 4225
(n,n') d
42-Mo-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
Incident Energy (MeV)
127
42-Mo-92

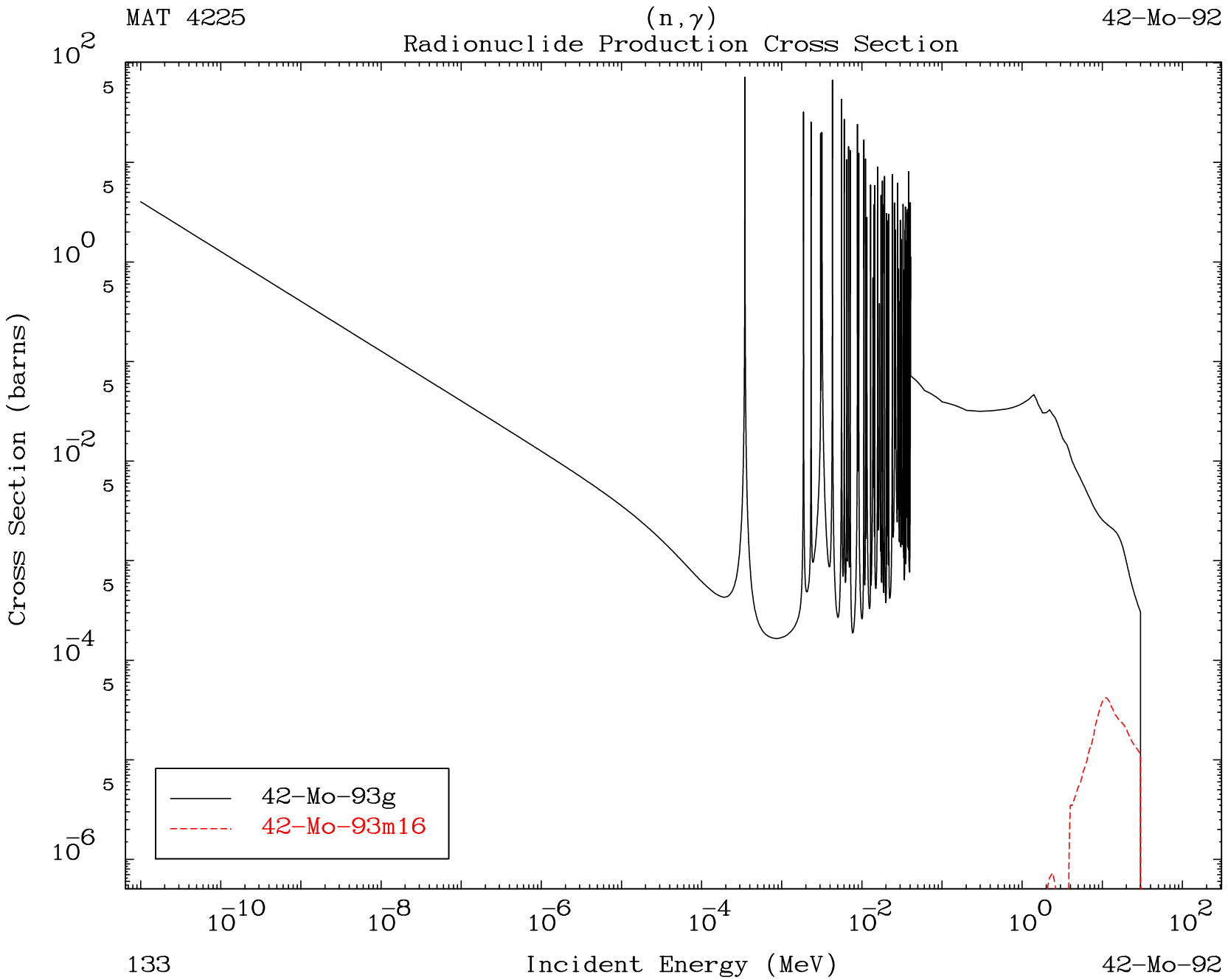

MAT 4225
(n,n') t
42-Mo-92
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
128
Incident Energy (MeV)
42-Mo-92

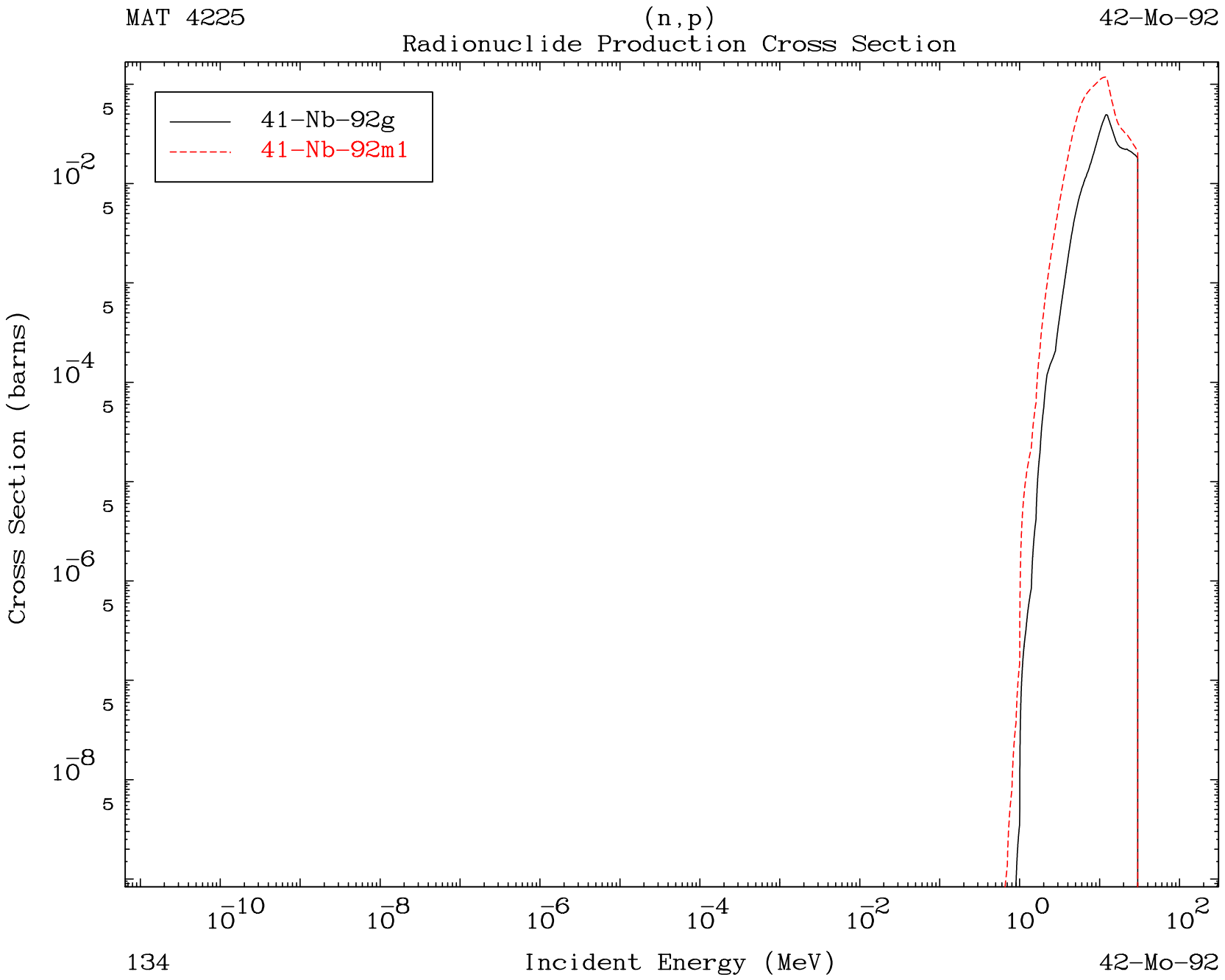

MAT 4225
(n,n') He-3
42-Mo-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
129
Incident Energy (MeV)
42-Mo-92

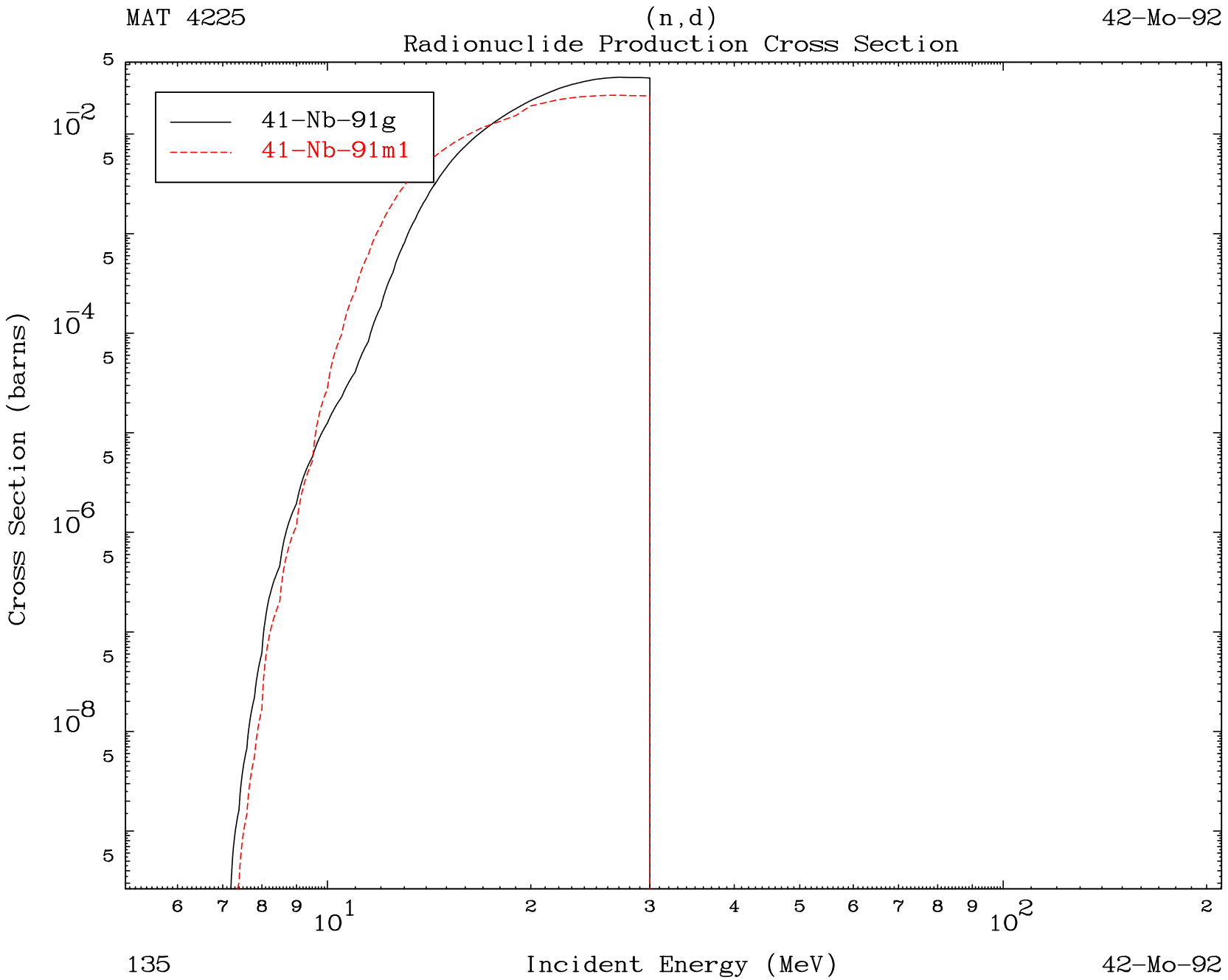

MAT 4225
(n,2n) p
42-Mo-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10+2
2
130
Incident Energy (MeV)
42-Mo-92

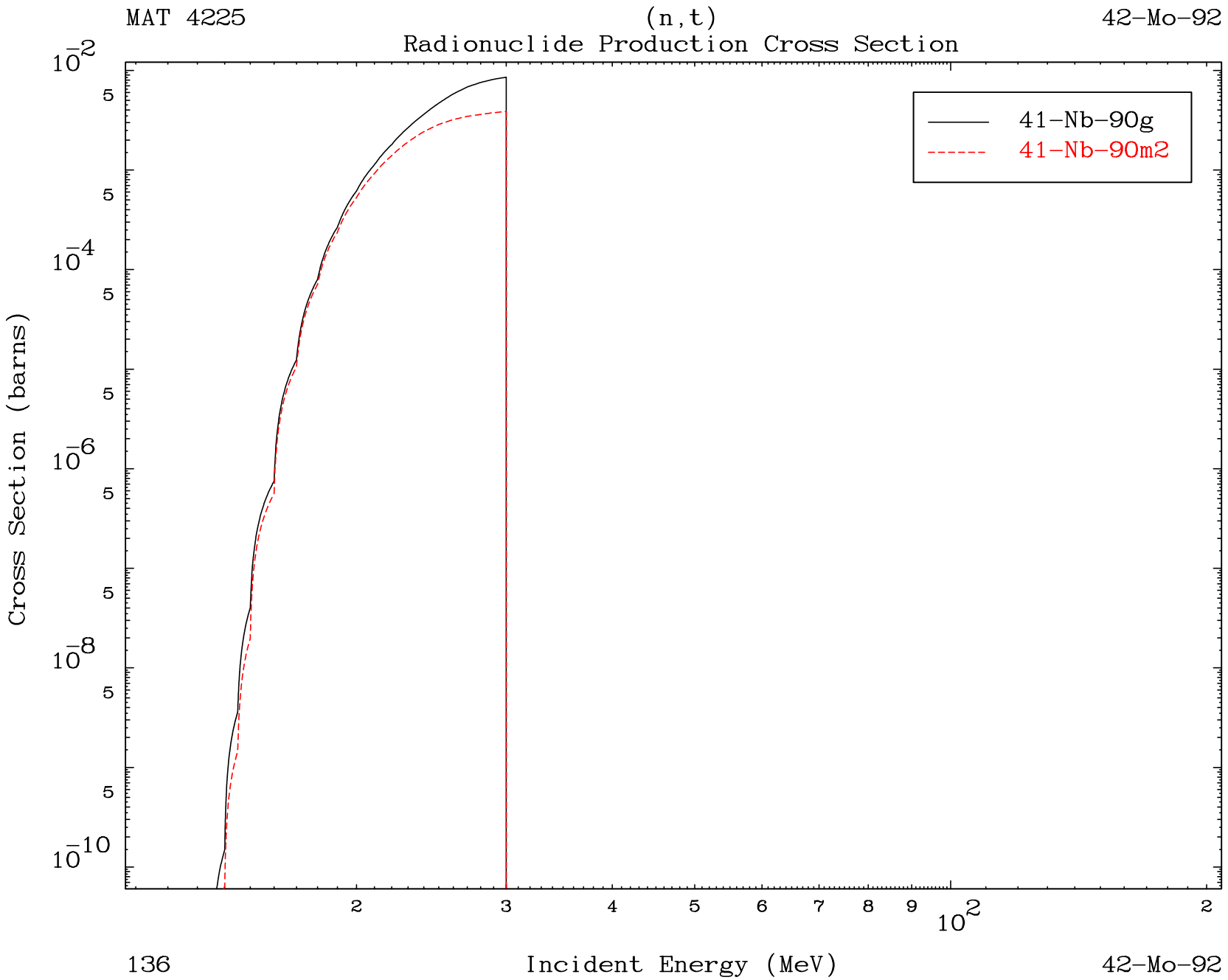

MAT 4225
(n,2n) p
42-Mo-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
Incident Energy (MeV)
131
42-Mo-92

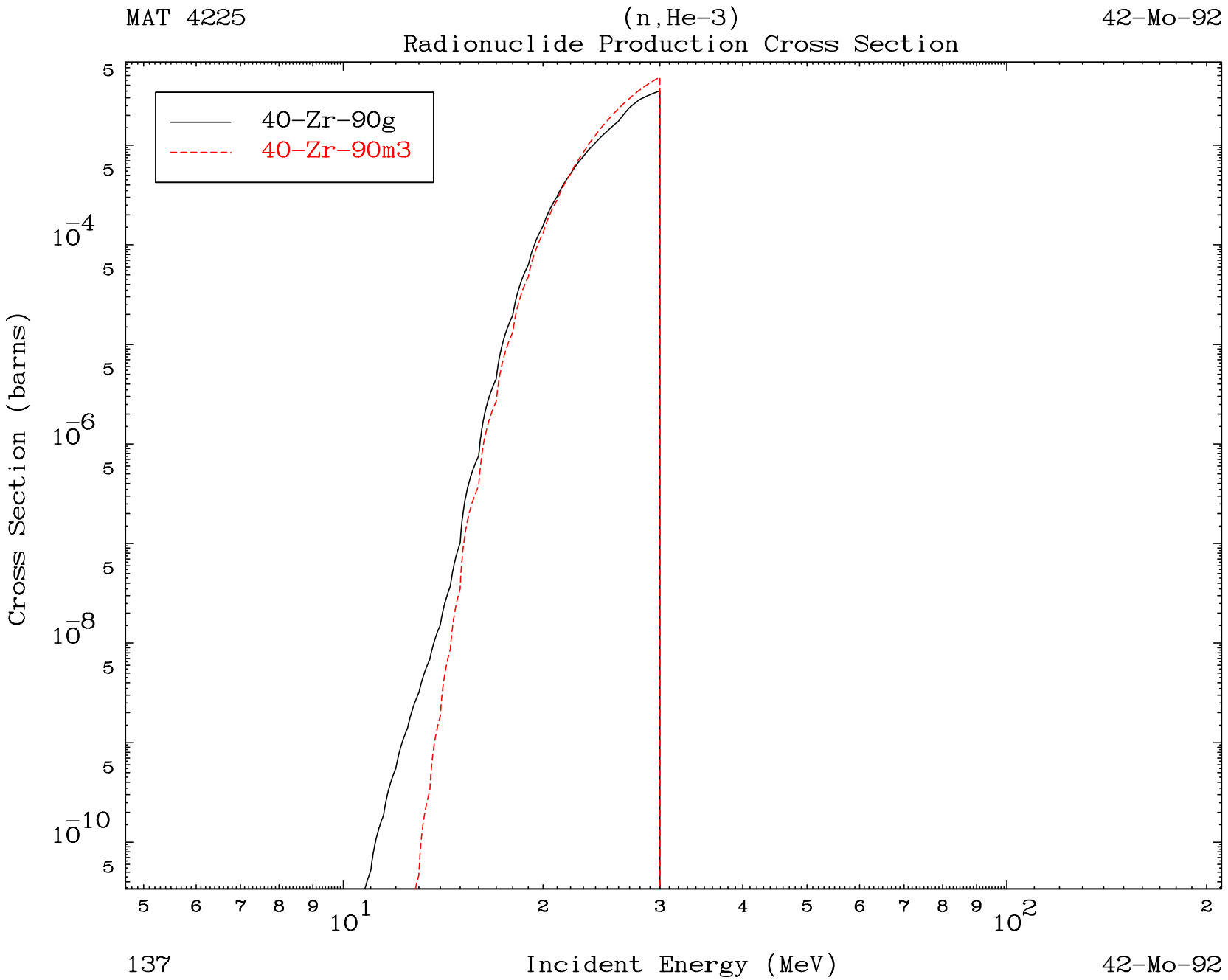

MAT 4225
(n,n') p α
42-Mo-92
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
132
42-Mo-92

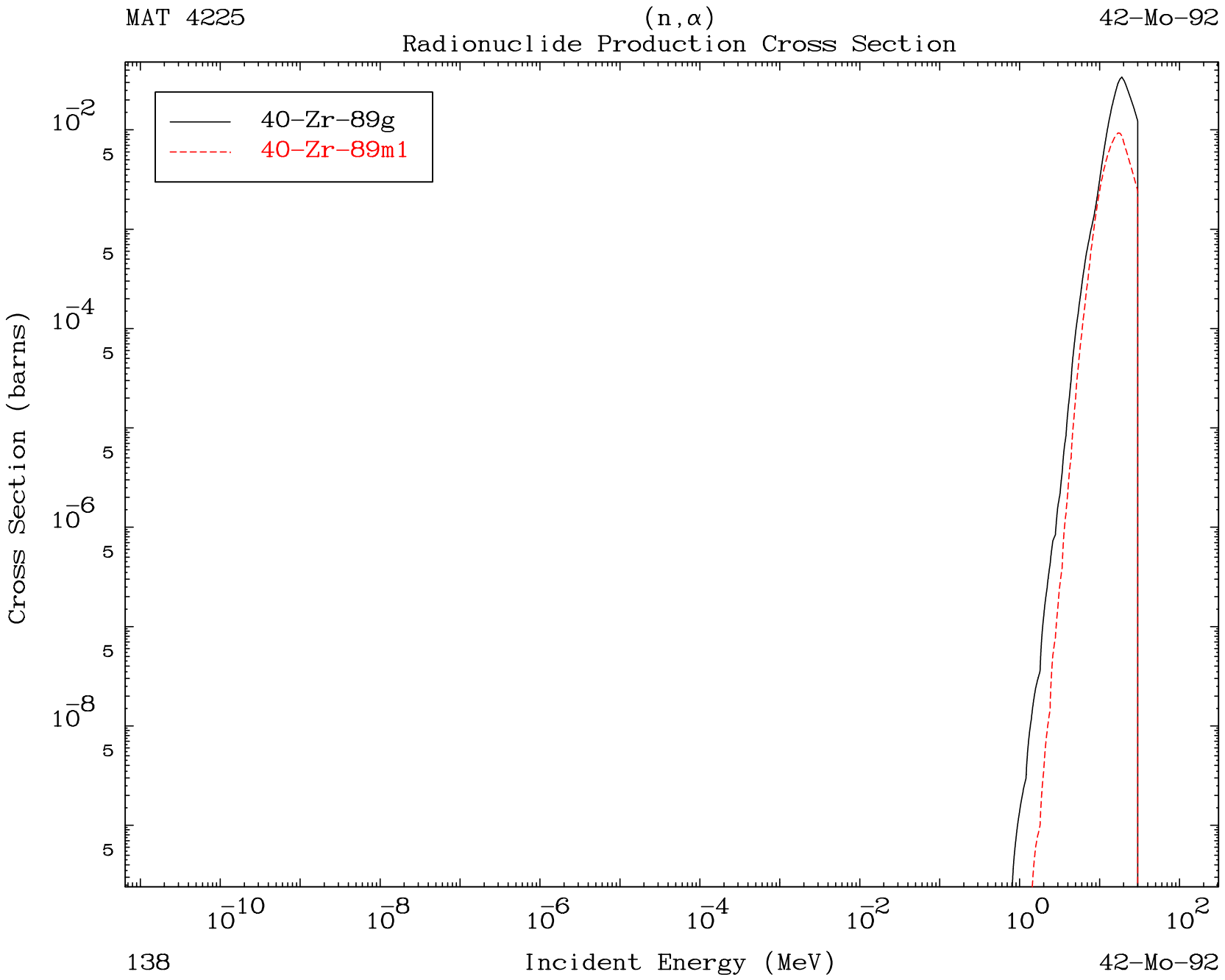

MAT 4225
(n,γ)
42-Mo-92
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
42-Mo-93g
42-Mo-93m16
133
Incident Energy (MeV)
42-Mo-92

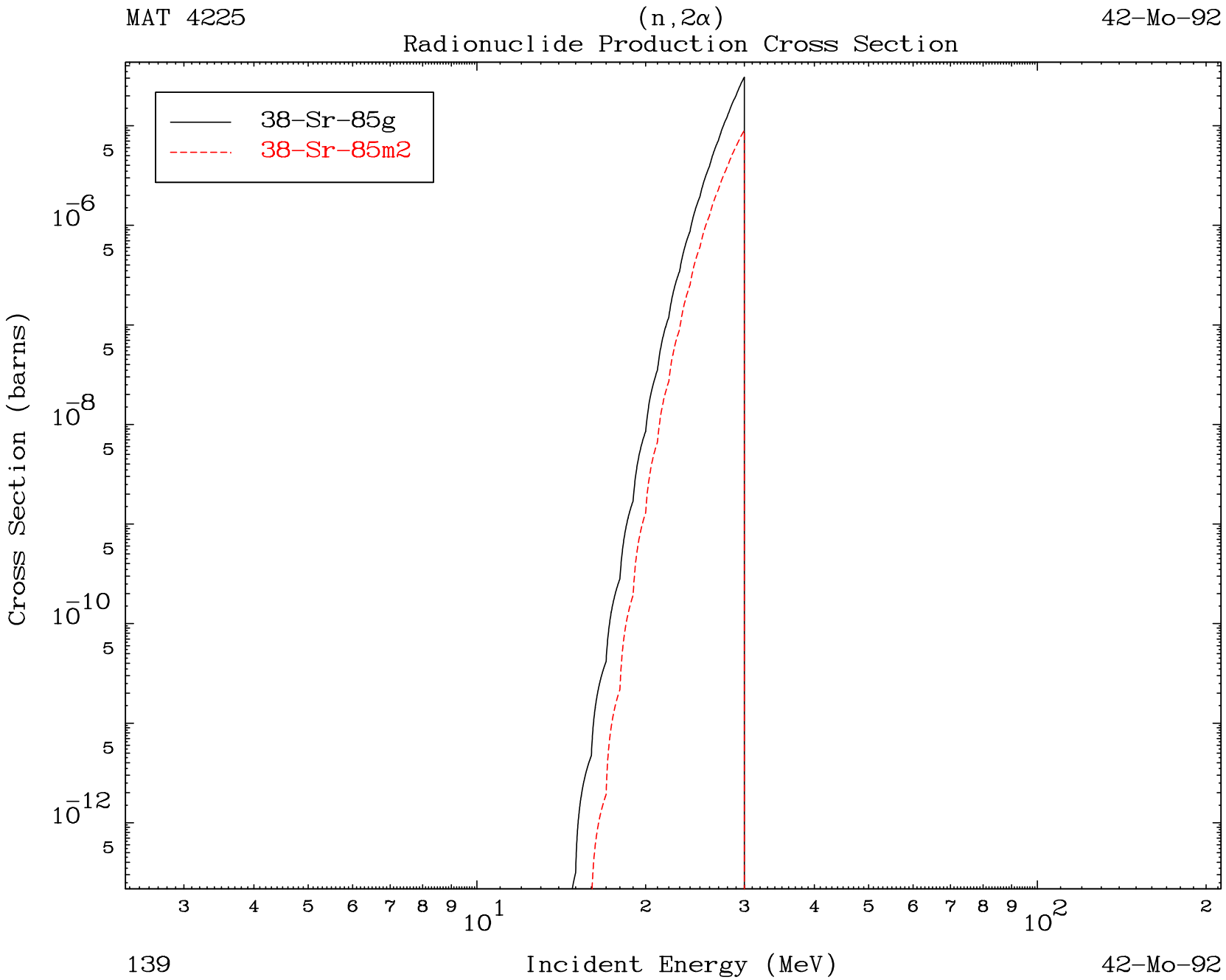

MAT 4225
(n,p)
42-Mo-92
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
Incident Energy (MeV)
134
42-Mo-92

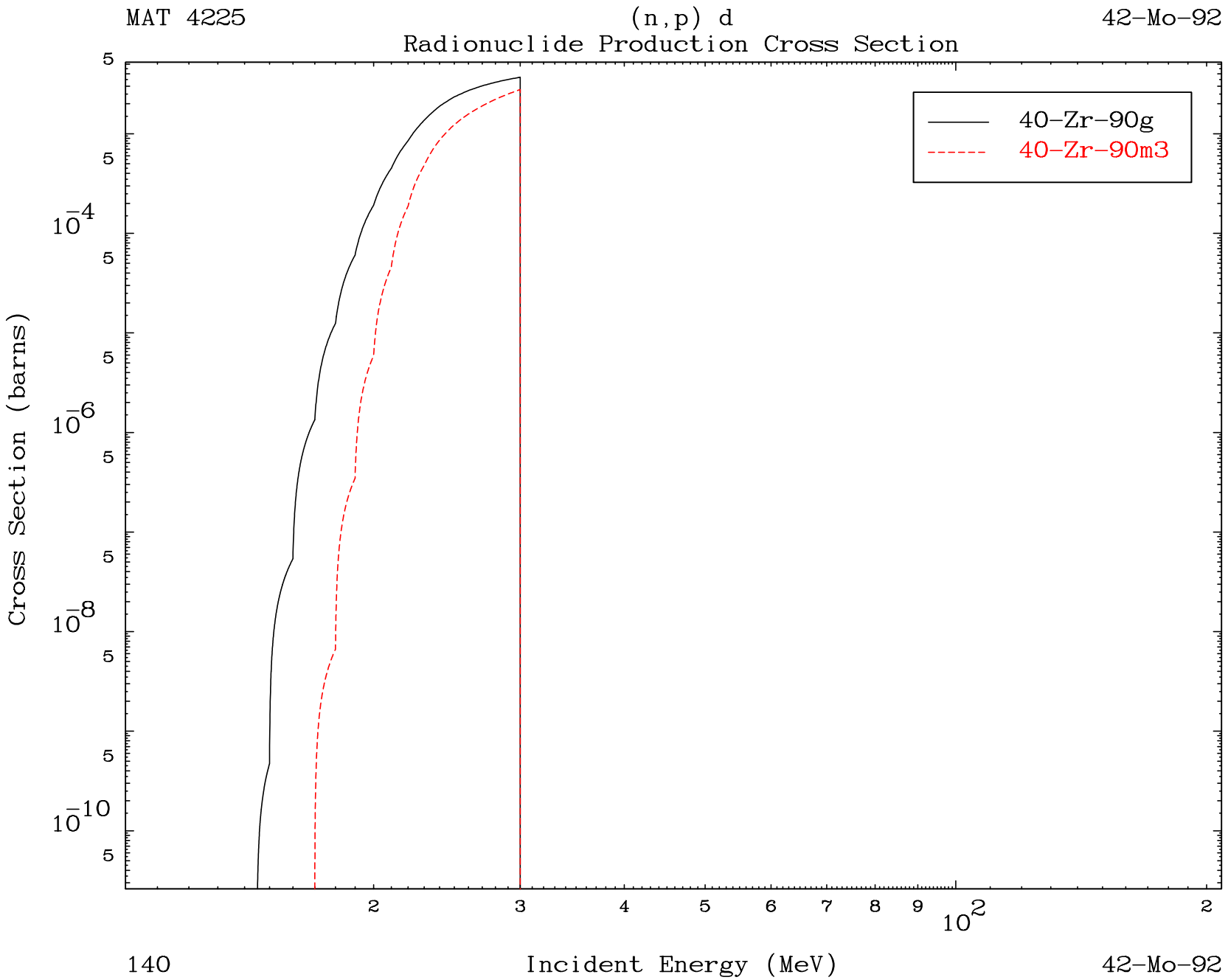

MAT 4225
(n,d)
42-Mo-92
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
135
42-Mo-92

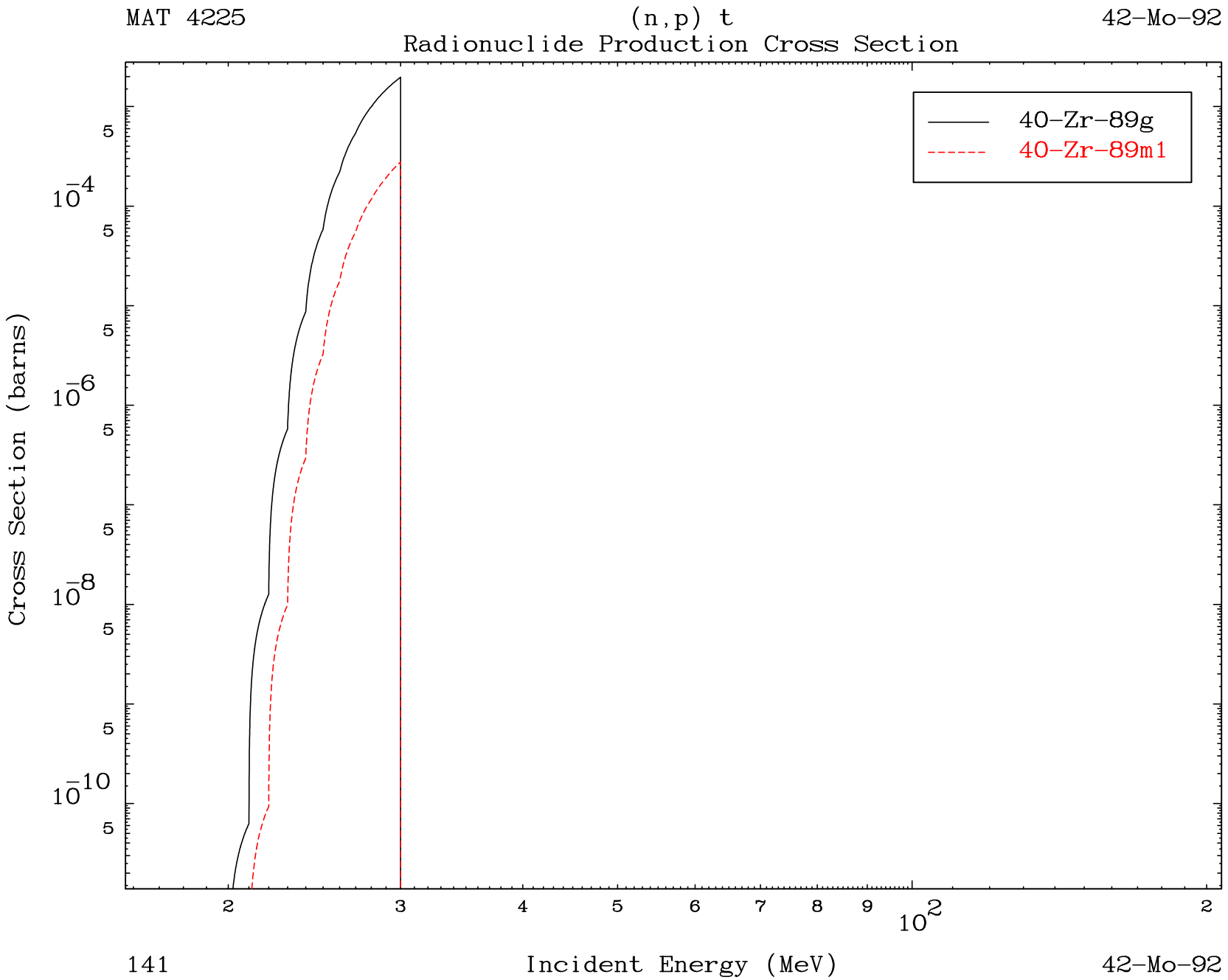

MAT 4225
(n,t)
42-Mo-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
Incident Energy (MeV)
136
42-Mo-92

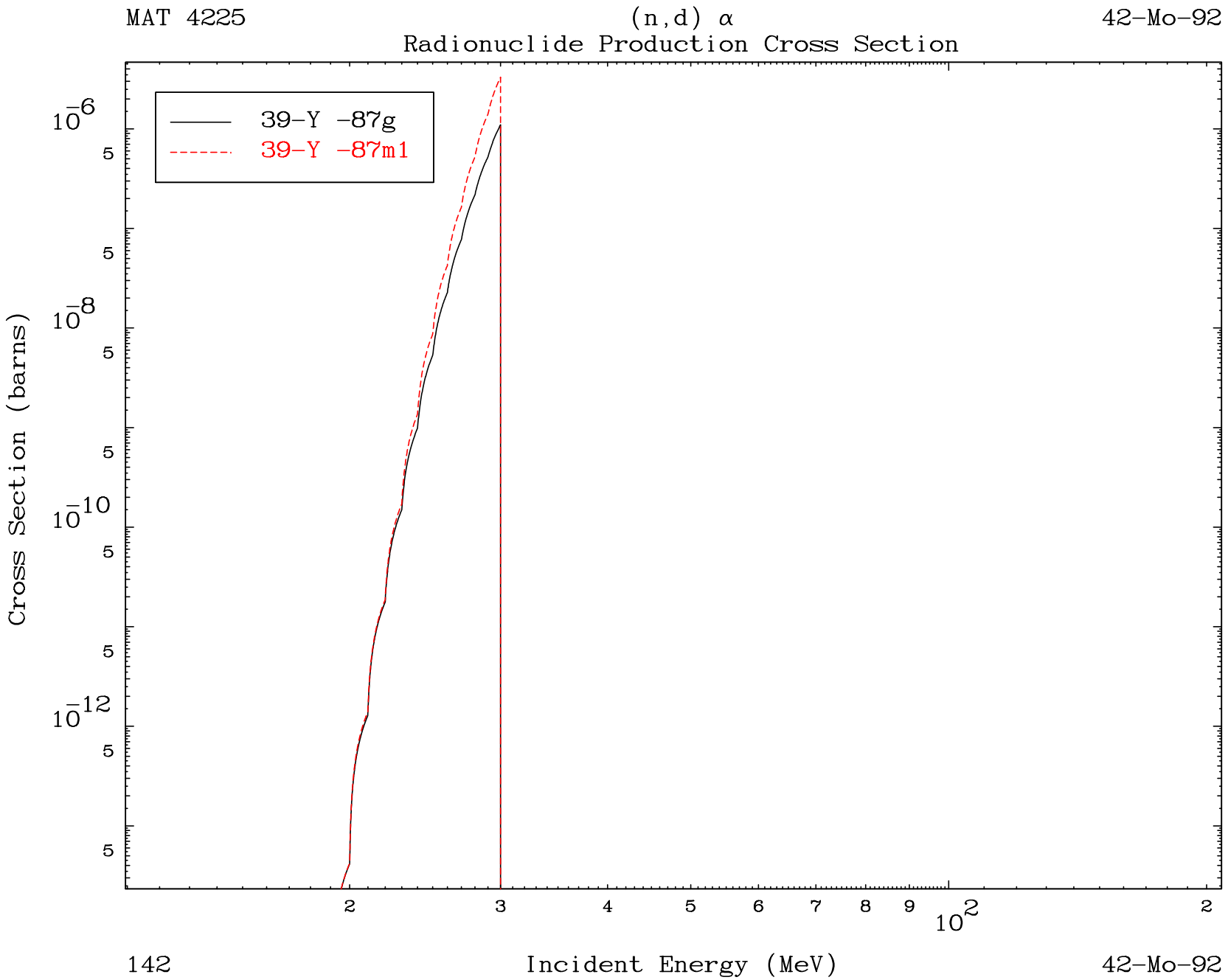

MAT 4225
(n,He-3)
42-Mo-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
Incident Energy (MeV)
137
42-Mo-92


MAT 4225
(n,α)
42-Mo-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
Incident Energy (MeV)
138
42-Mo-92


MAT 4225
(n,2α)
42-Mo-92
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
139
Incident Energy (MeV)
42-Mo-92


MAT 4225
(n,p) d
42-Mo-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
140
Incident Energy (MeV)
42-Mo-92


MAT 4225
(n,p) t
42-Mo-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
141
Incident Energy (MeV)
42-Mo-92


MAT 4225
(n,d) α
42-Mo-92
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
142
Incident Energy (MeV)
42-Mo-92