Program EVALPLOT
(Version 2017-1)
by
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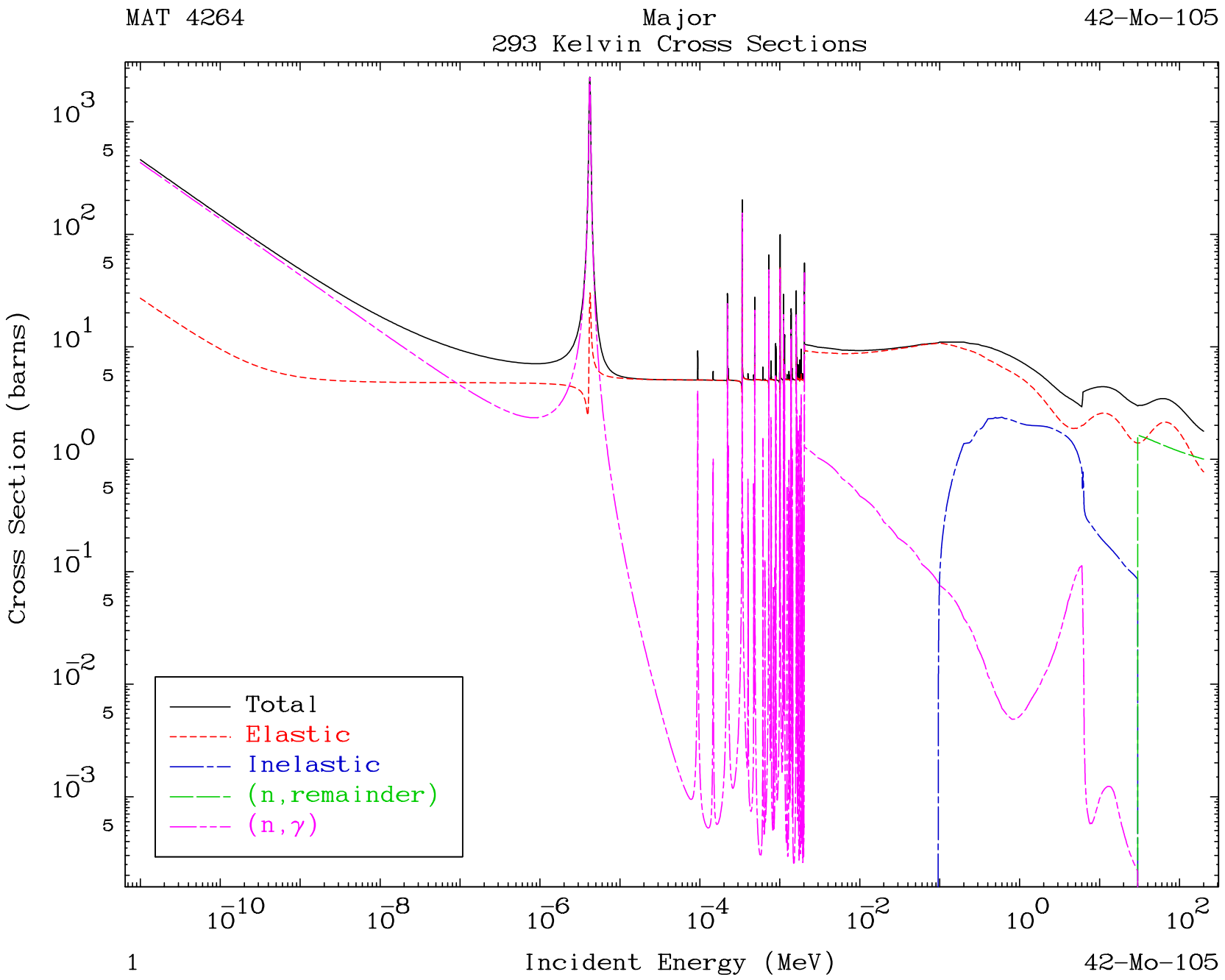
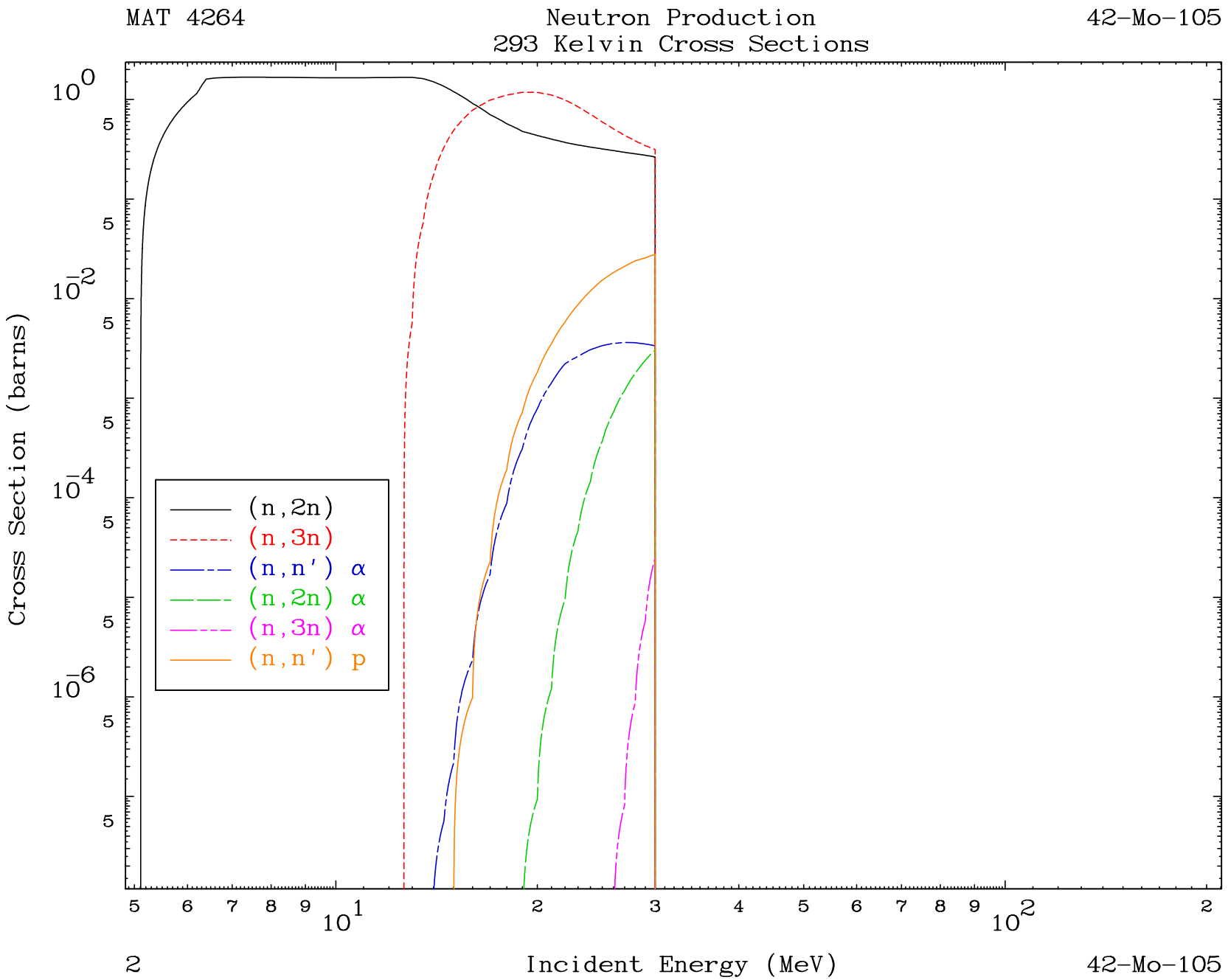
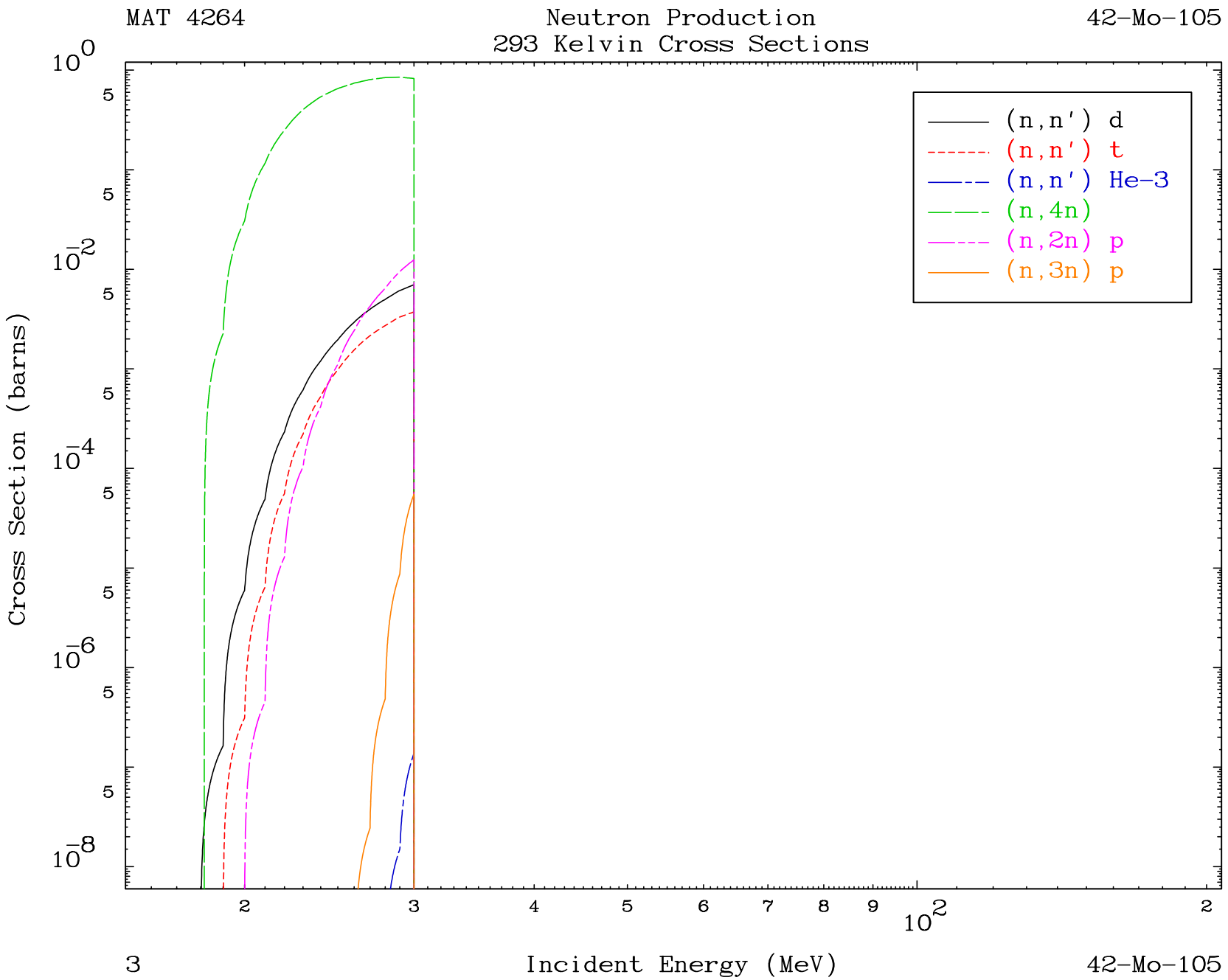
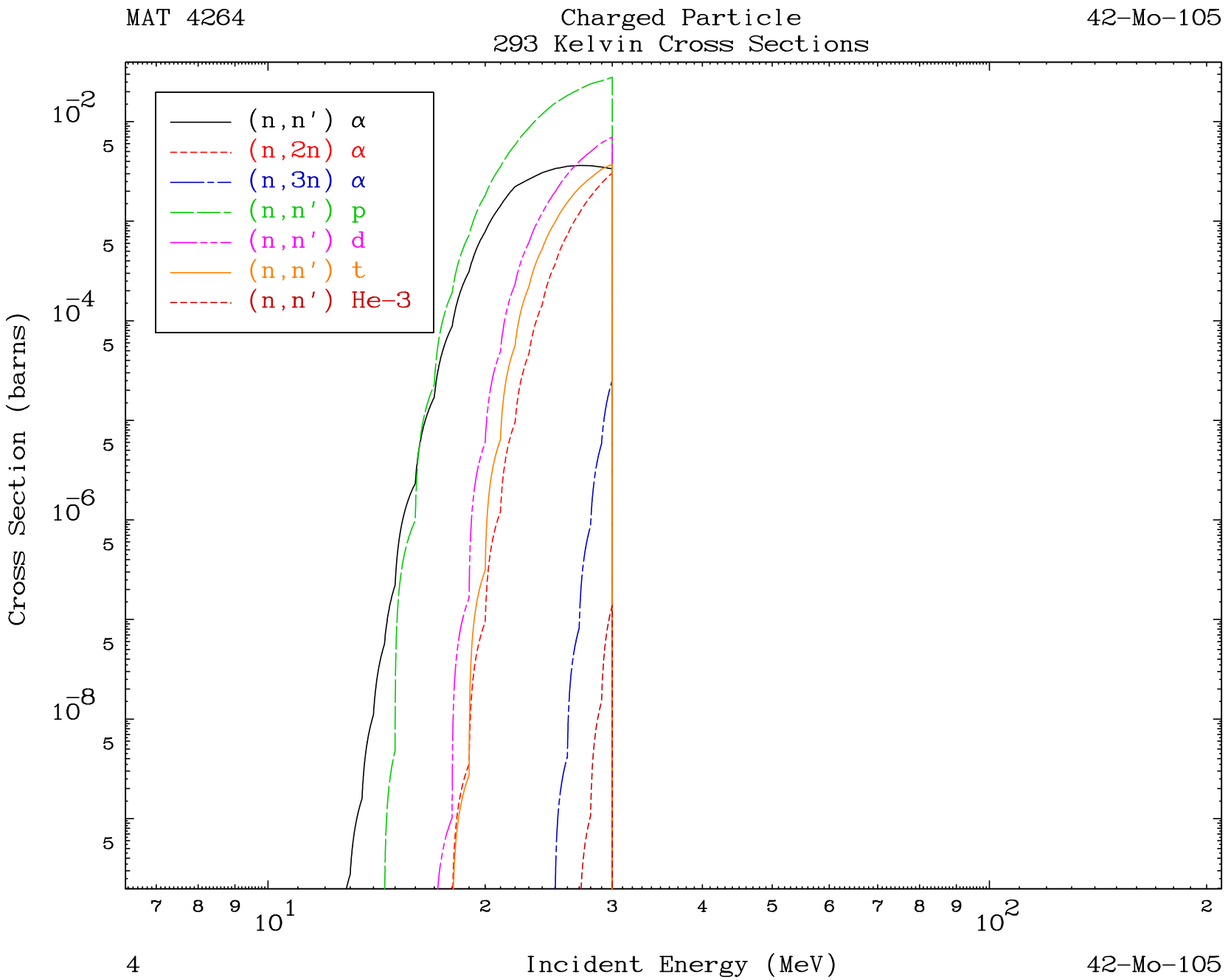
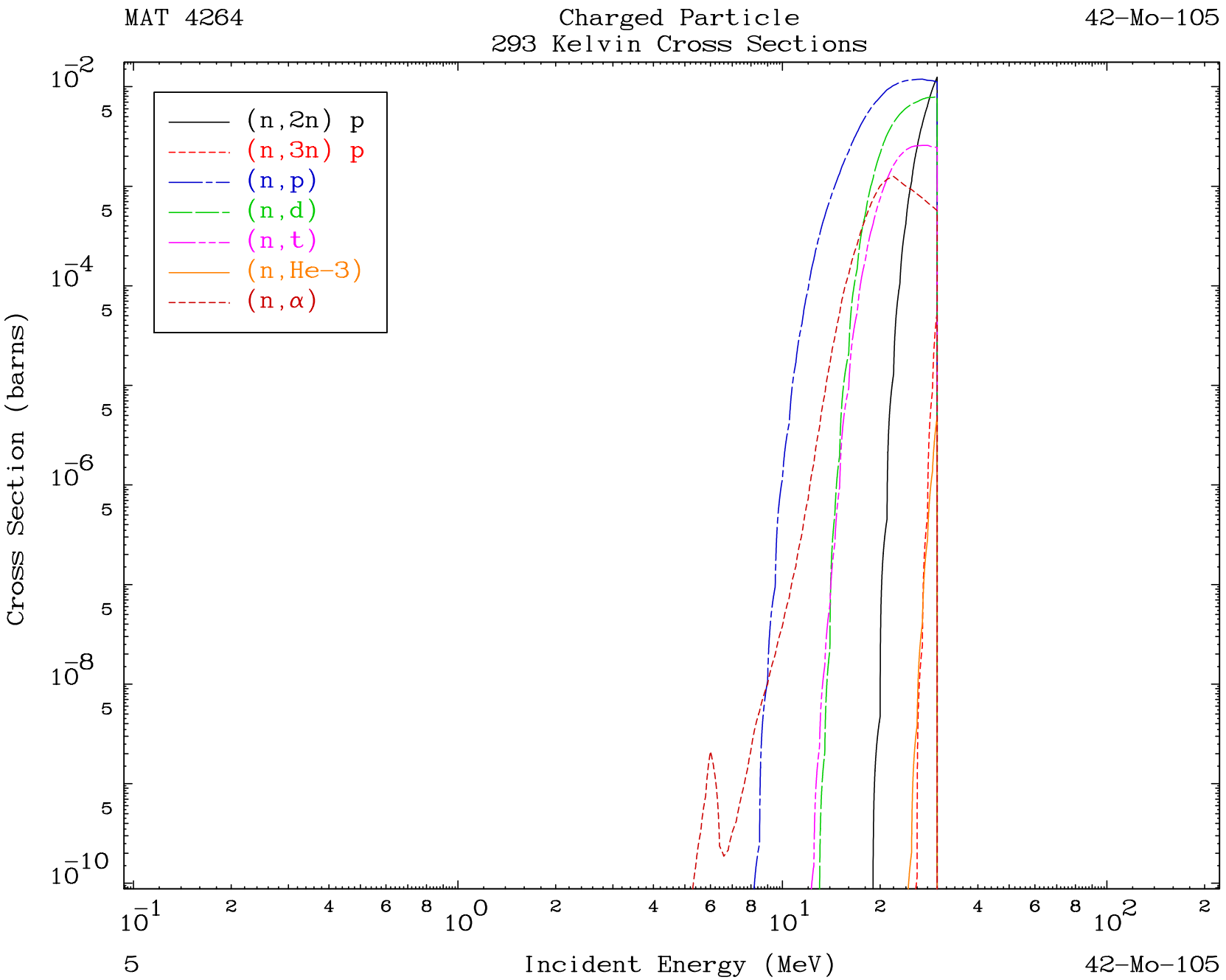
Press Mouse Button to Start

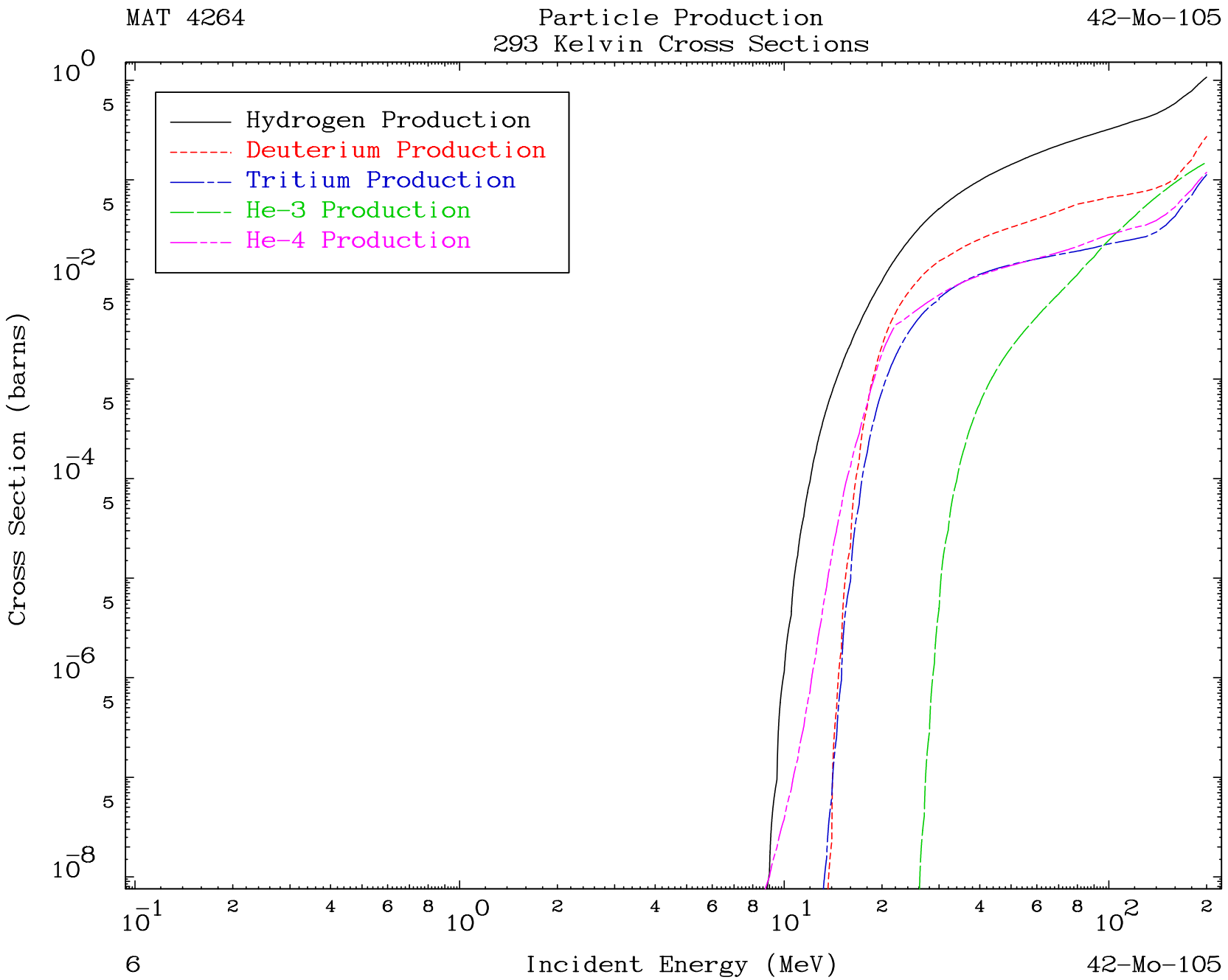

MAT 4264
Major
42-Mo-105
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
42-Mo-105

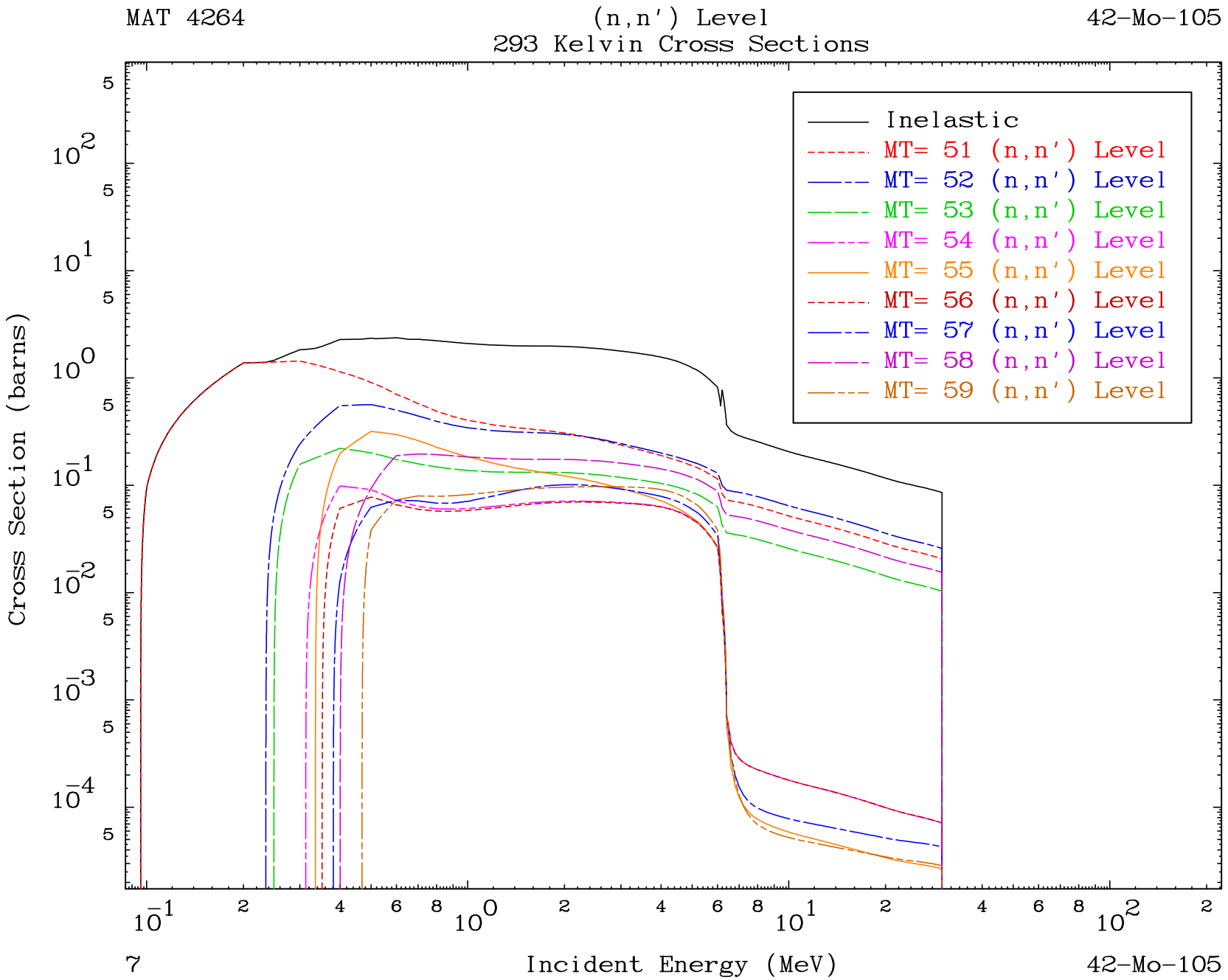

MAT 4264
Neutron Production
293 Kelvin Cross Sections
42-Mo-105
Cross Section (barns)
Incident Energy (MeV)
42-Mo-105
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p

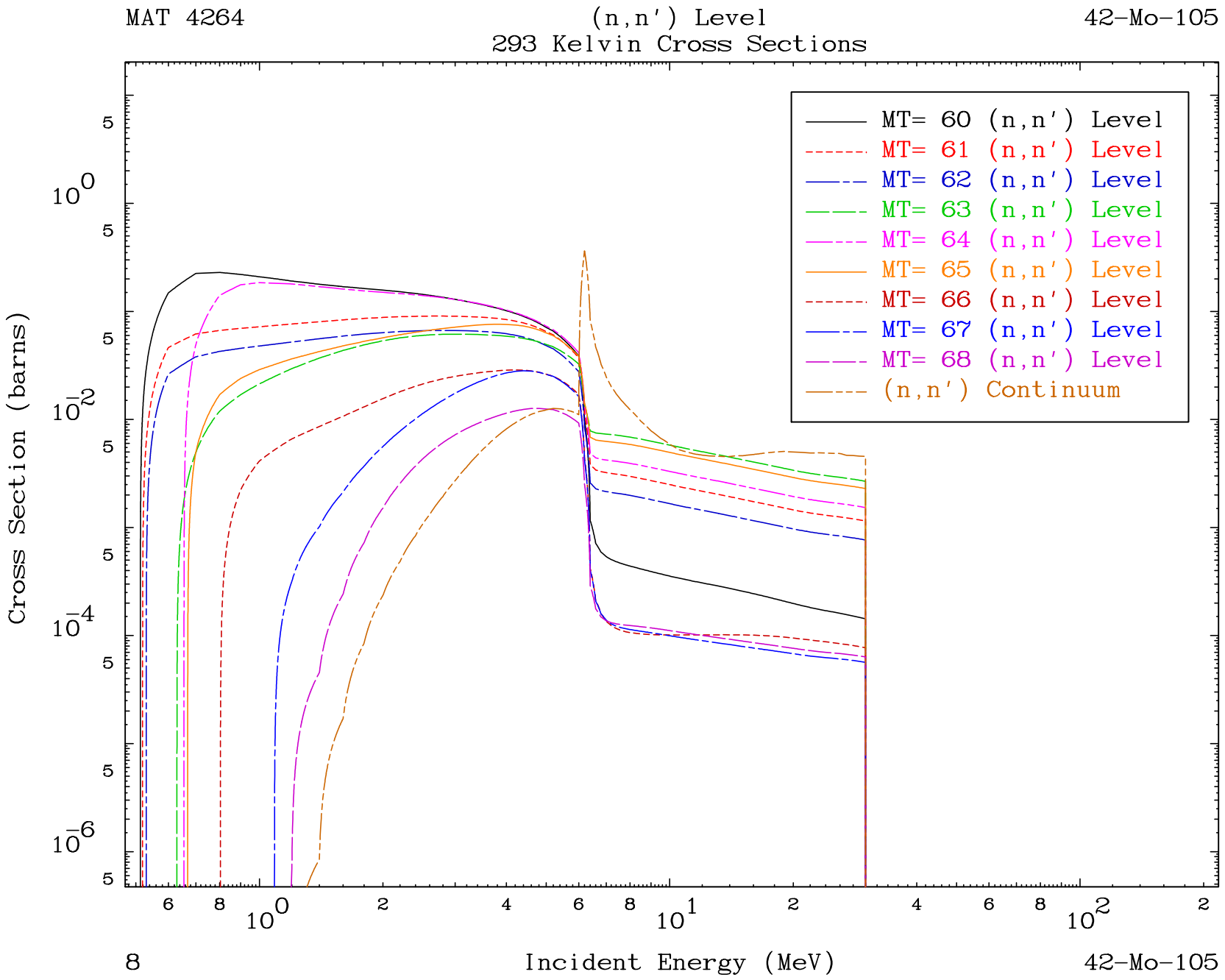

MAT 4264
Neutron Production
293 Kelvin Cross Sections
42-Mo-105
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
3
42-Mo-105

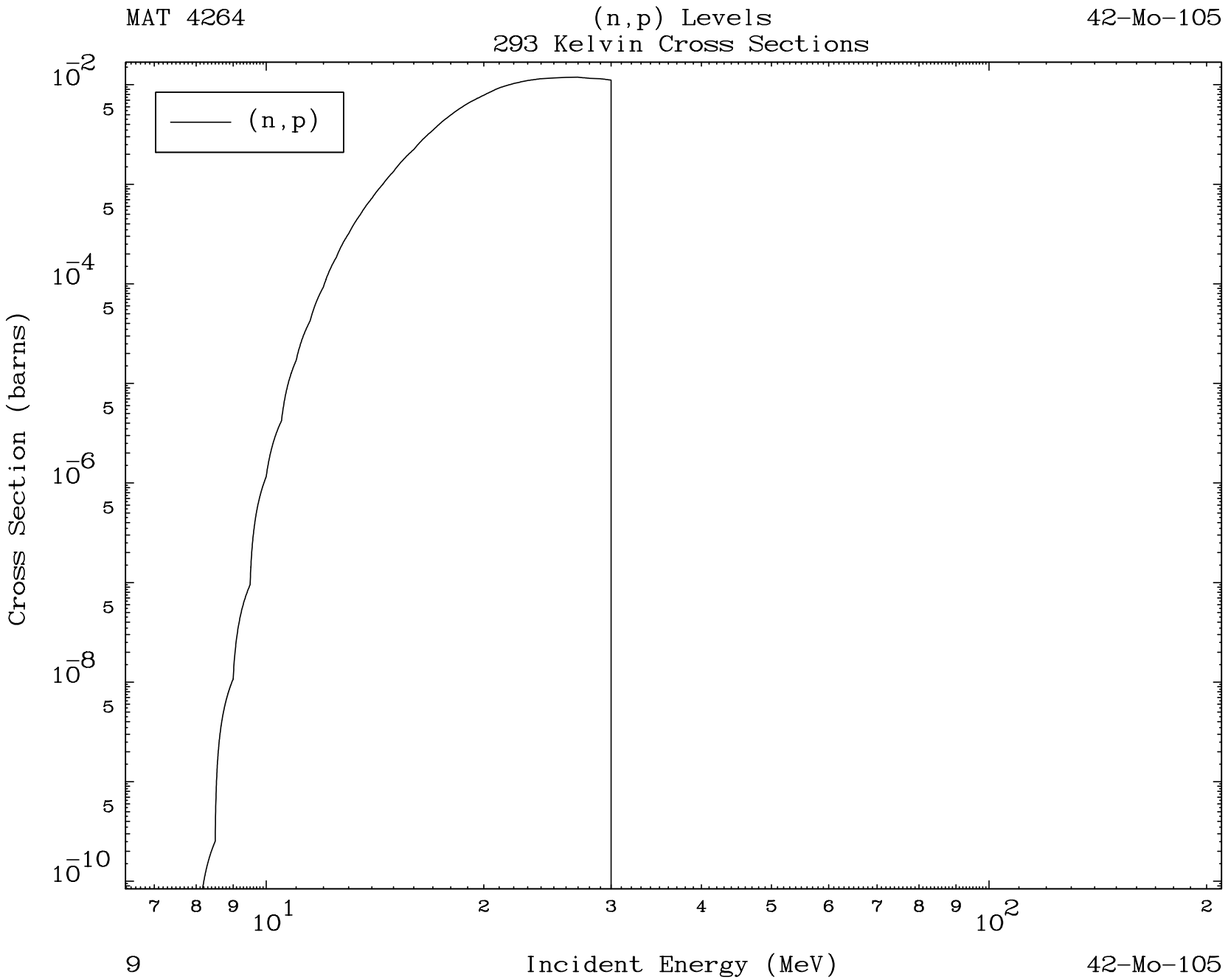

MAT 4264
Charged Particle
293 Kelvin Cross Sections
42-Mo-105
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-105

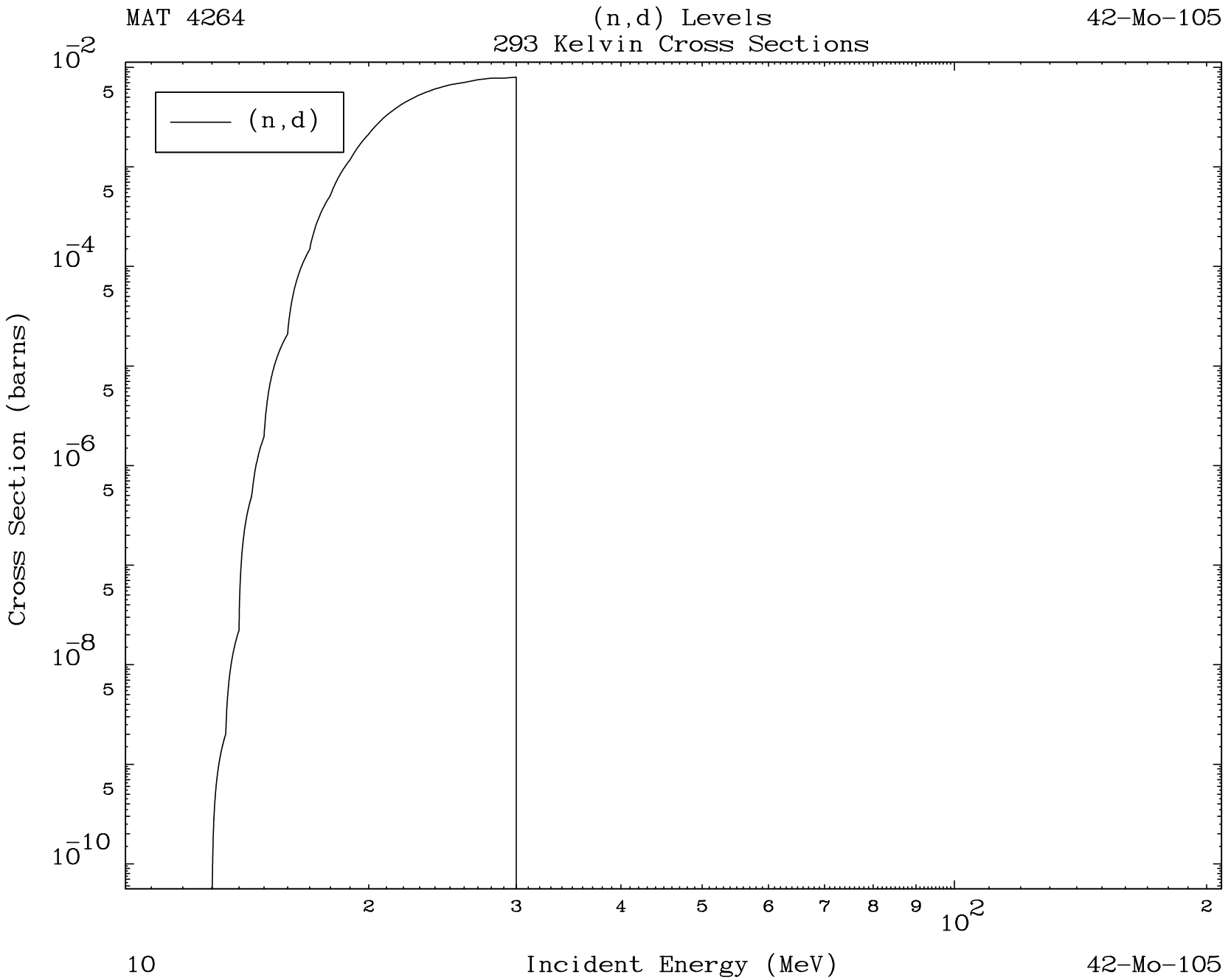

MAT 4264
Charged Particle
293 Kelvin Cross Sections
42-Mo-105
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-105

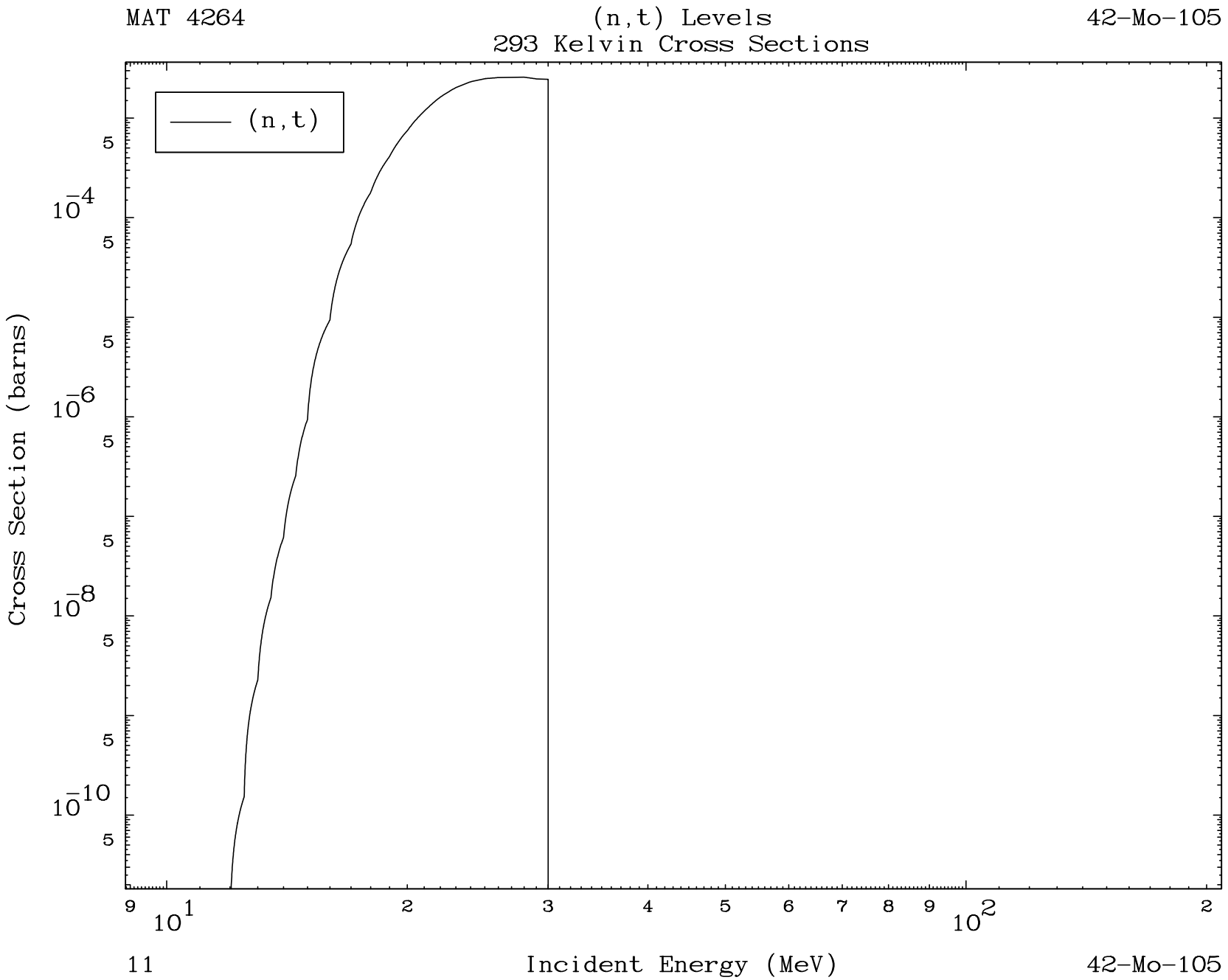

MAT 4264
Particle Production
293 Kelvin Cross Sections
42-Mo-105
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
42-Mo-105
6

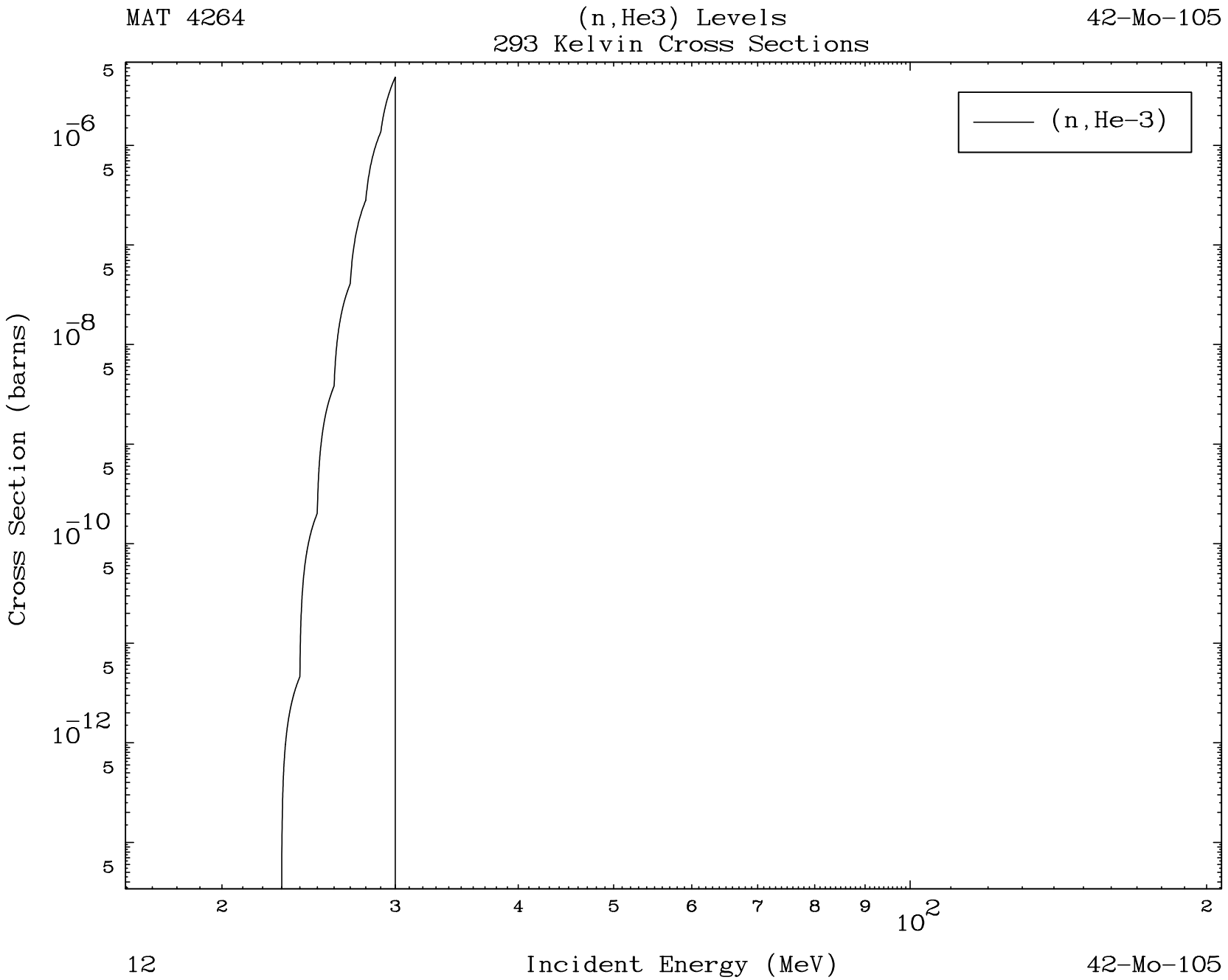

MAT 4264
(n,n') Level
293 Kelvin Cross Sections
42-Mo-105
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-105

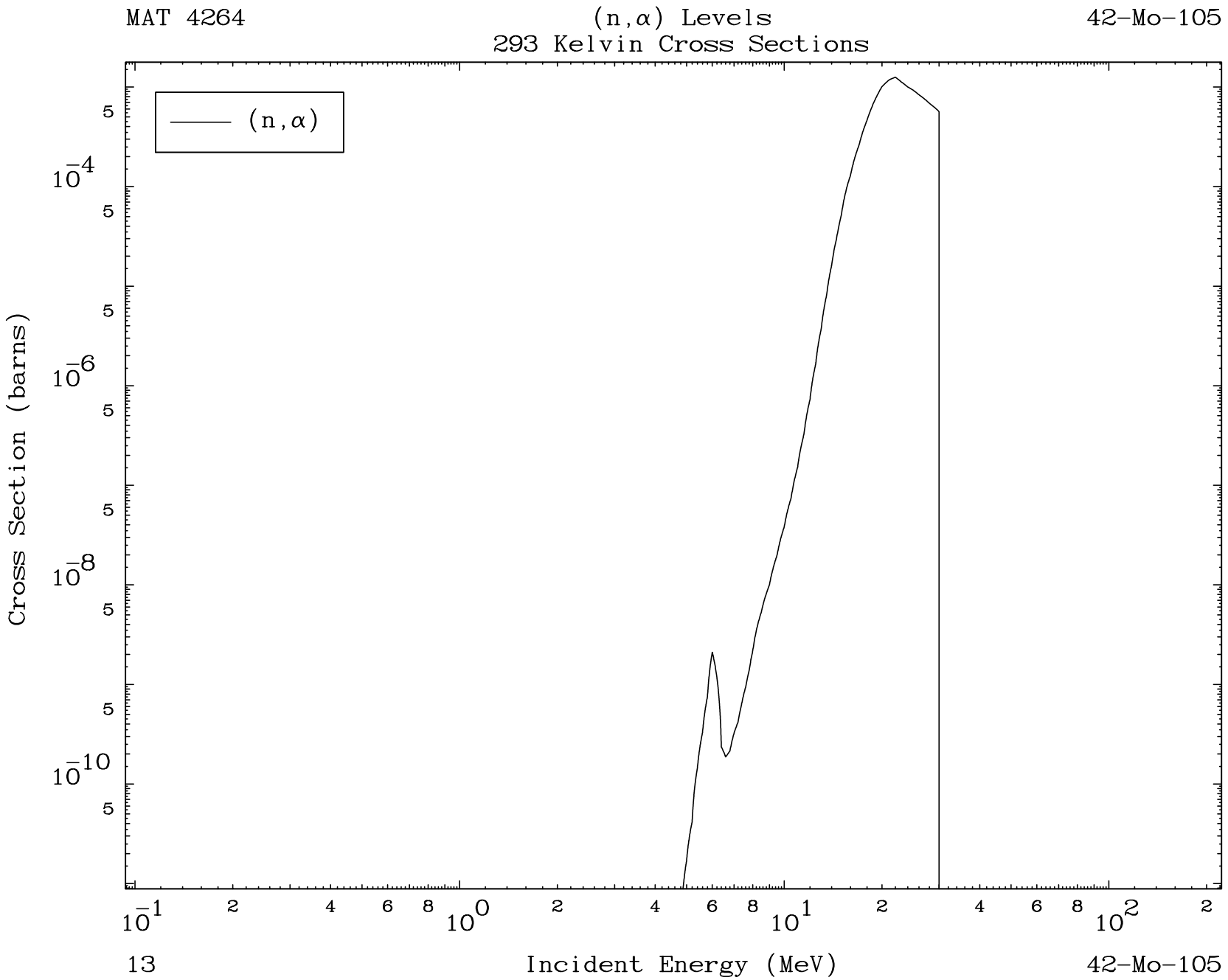

MAT 4264
(n,n') Level
42-Mo-105
293 Kelvin Cross Sections
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
8
42-Mo-105

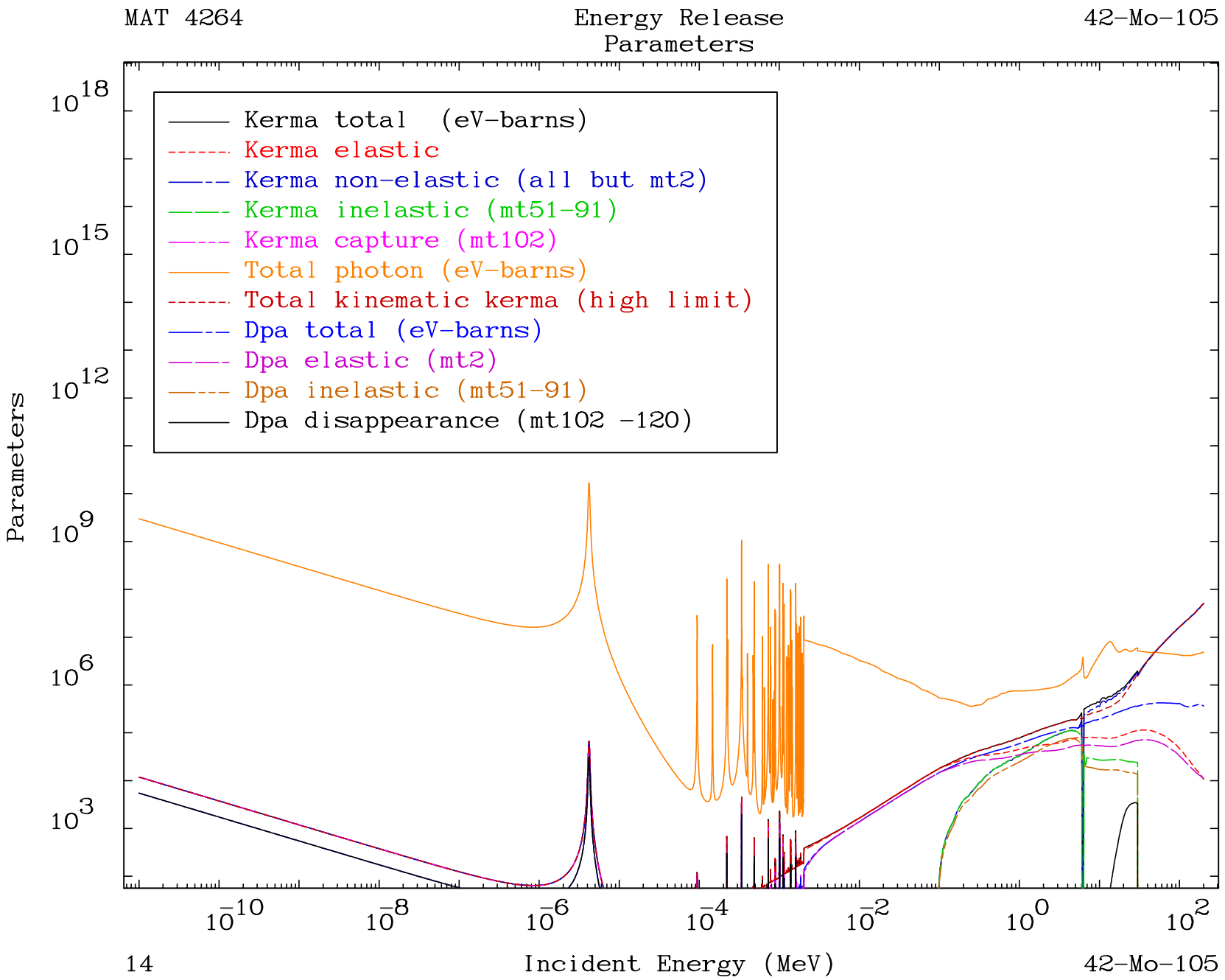

MAT 4264
(n,p) Levels
42-Mo-105
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
9
42-Mo-105

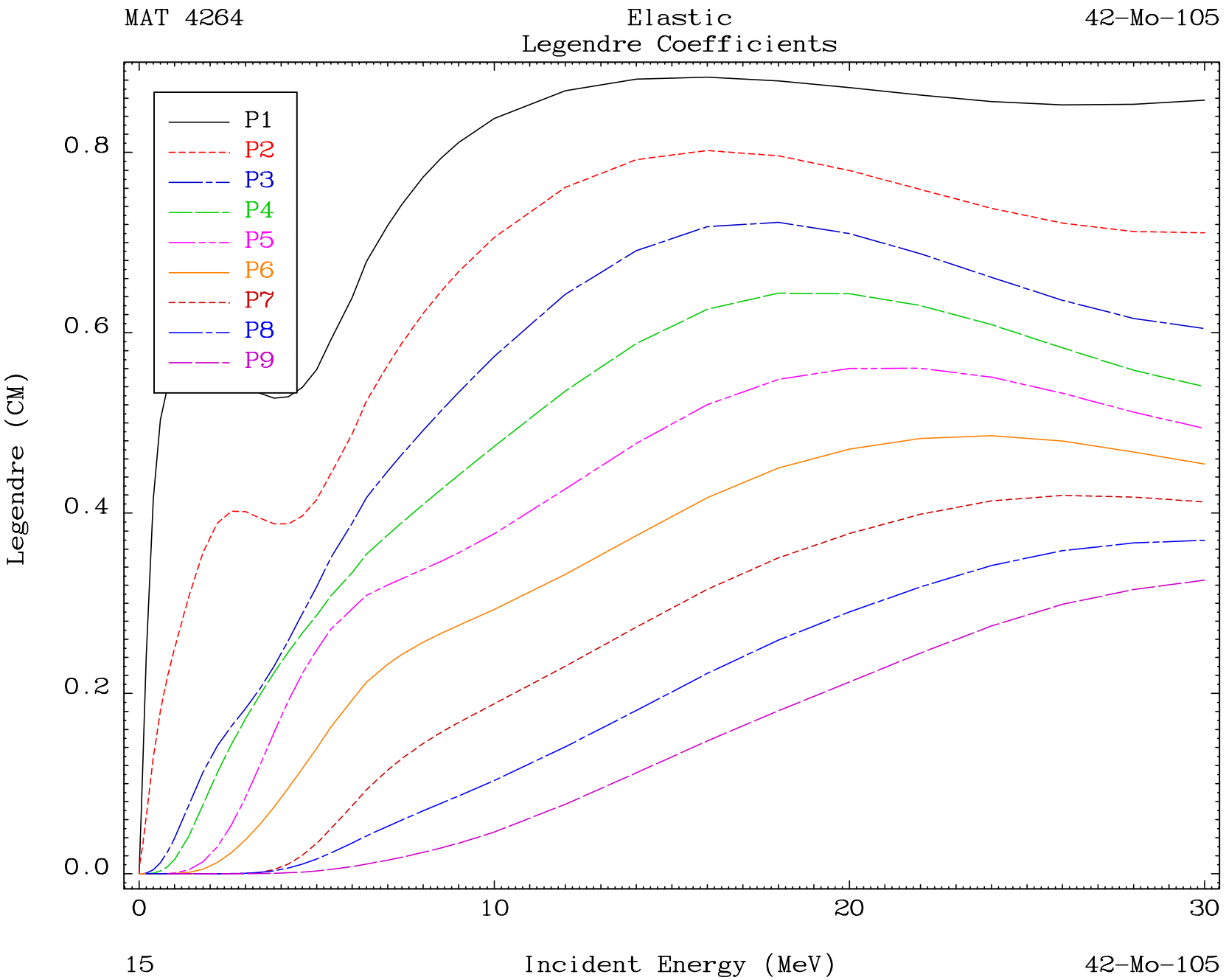

MAT 4264
(n,d) Levels
42-Mo-105
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
10
42-Mo-105

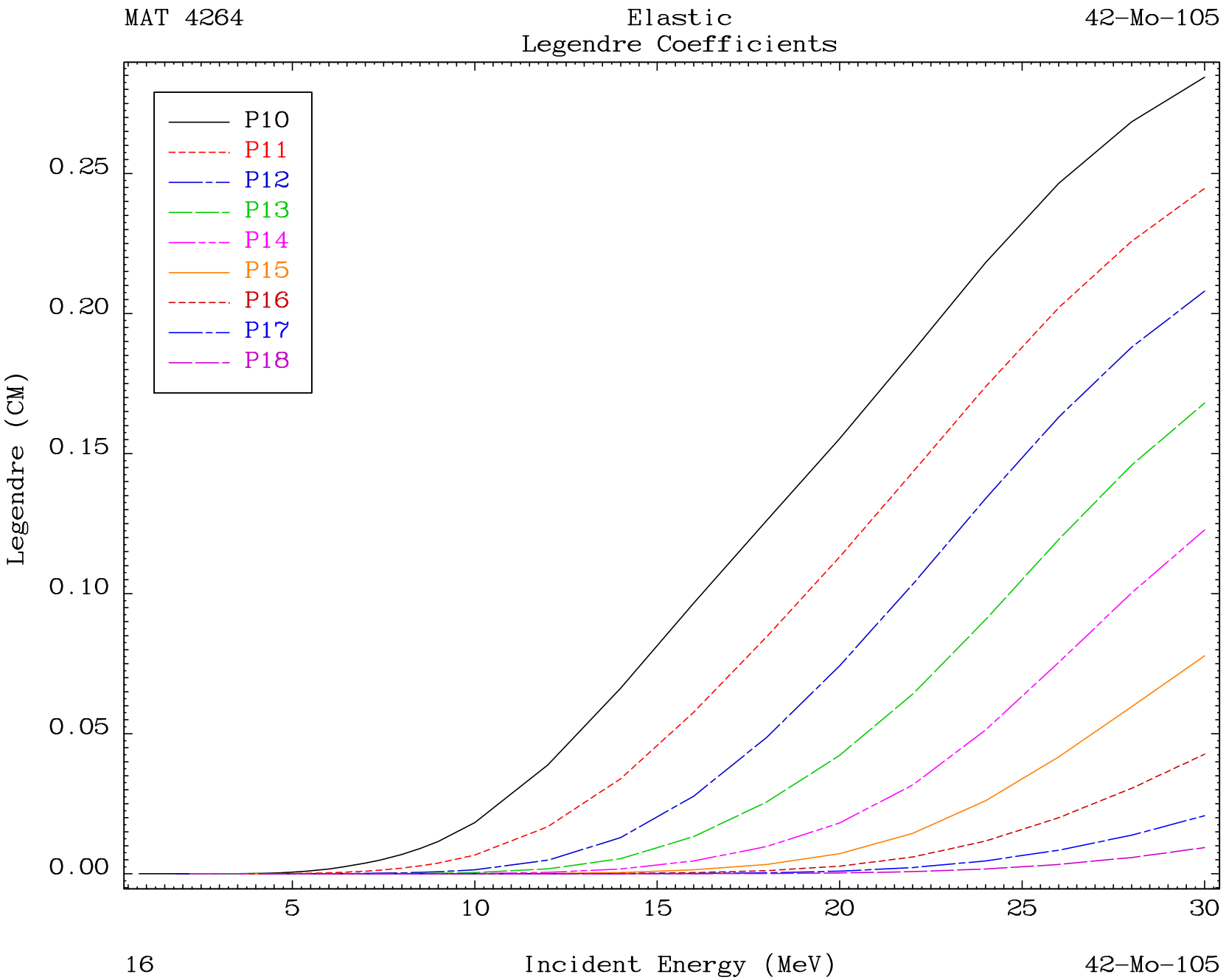

MAT 4264
(n,t) Levels
42-Mo-105
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
11
42-Mo-105

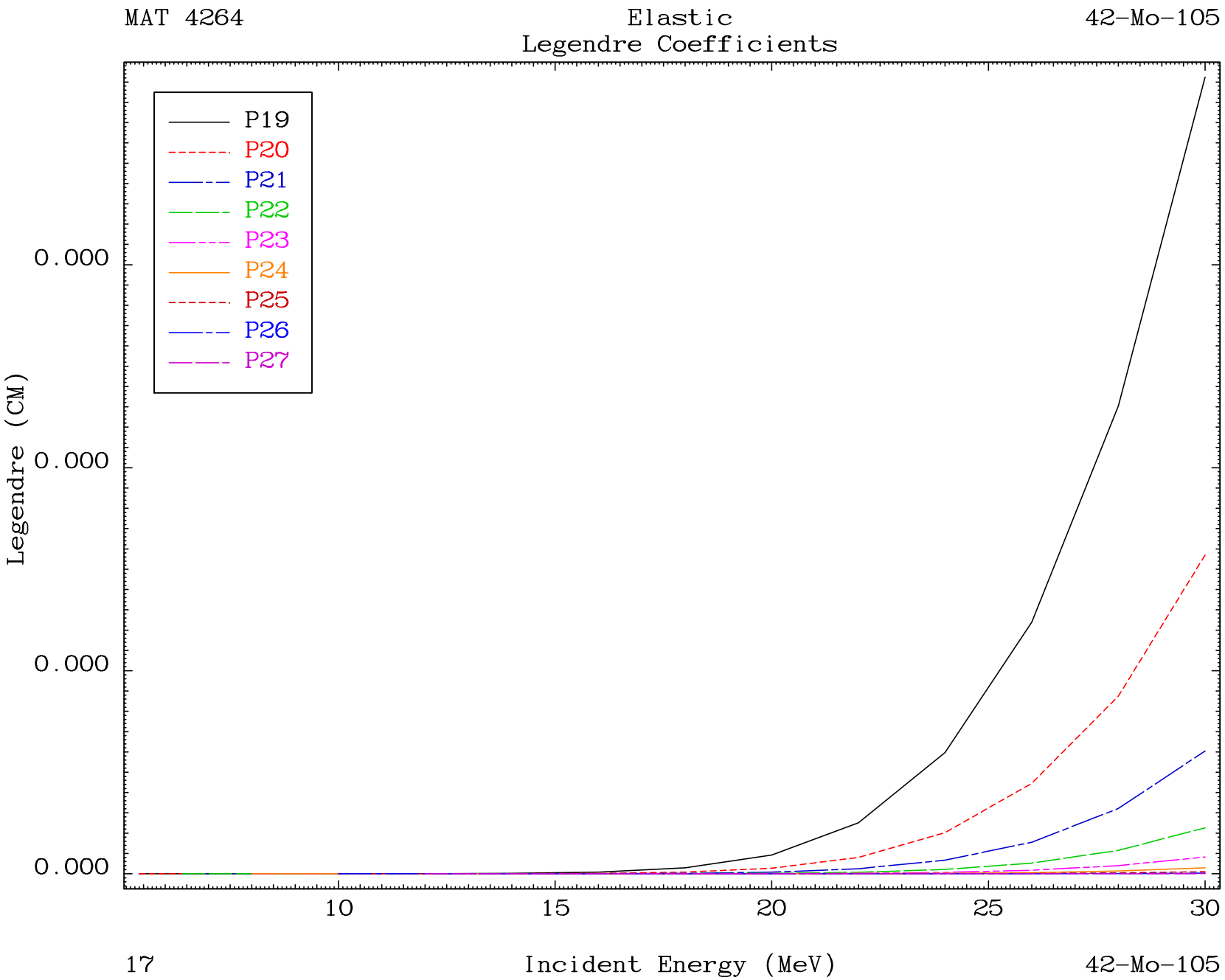

MAT 4264
(n,He3) Levels
293 Kelvin Cross Sections
42-Mo-105
(n,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
42-Mo-105

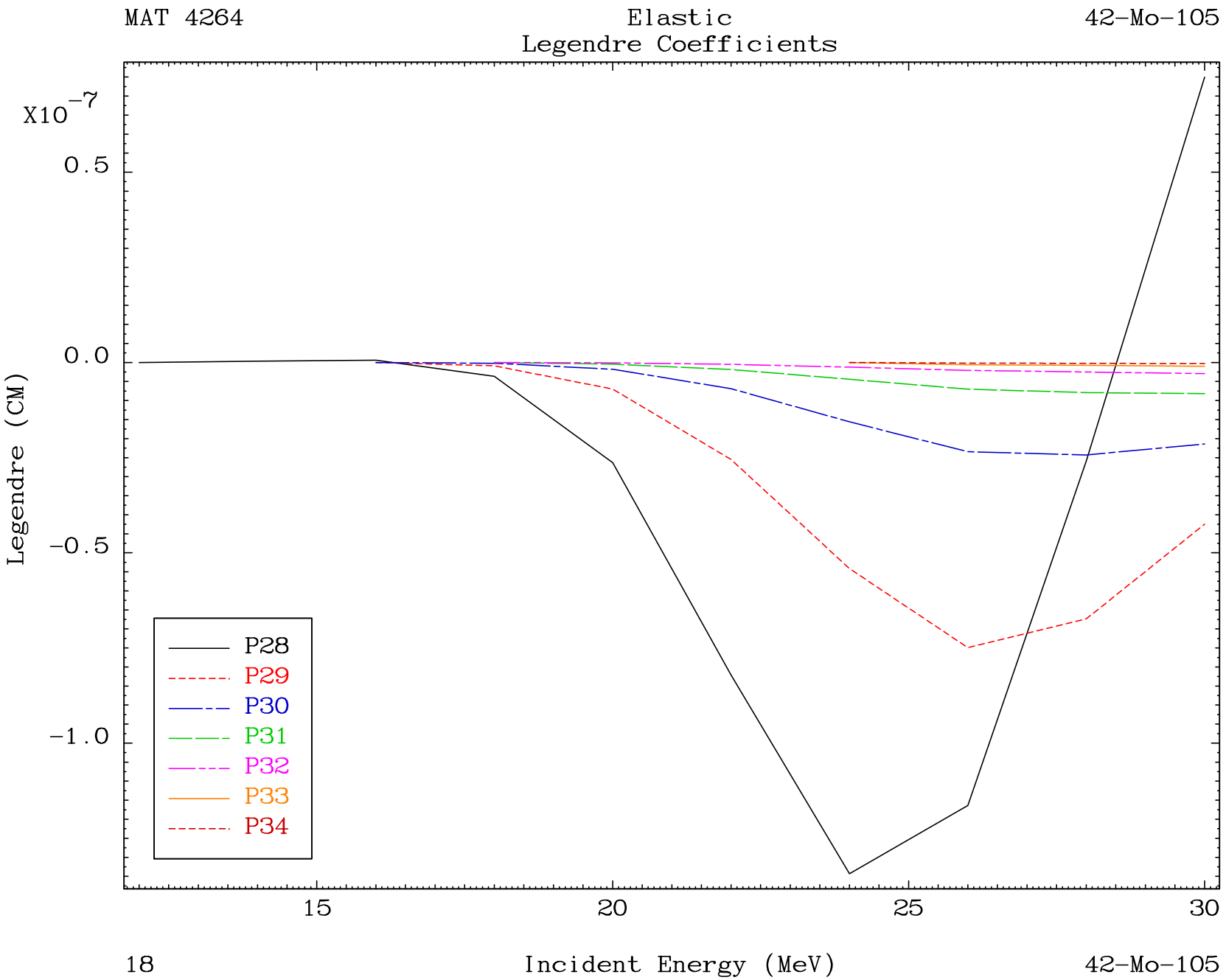

MAT 4264
(n,α) Levels
42-Mo-105
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
13
42-Mo-105

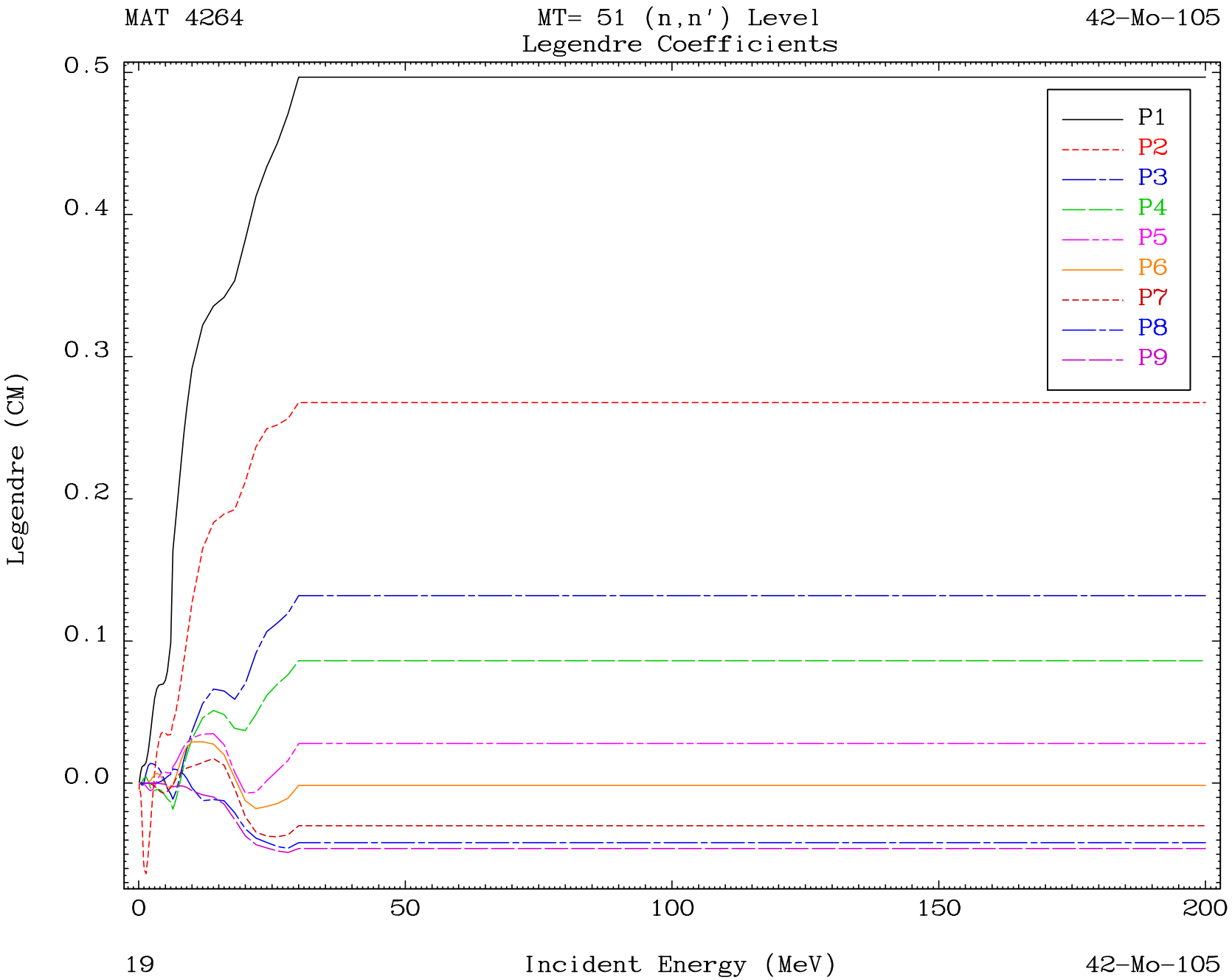

MAT 4264
Energy Release
Parameters
42-Mo-105
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^{18}
10^{15}
10^{12}
10^{9}
10^{6}
10^{3}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
14
Incident Energy (MeV)
42-Mo-105

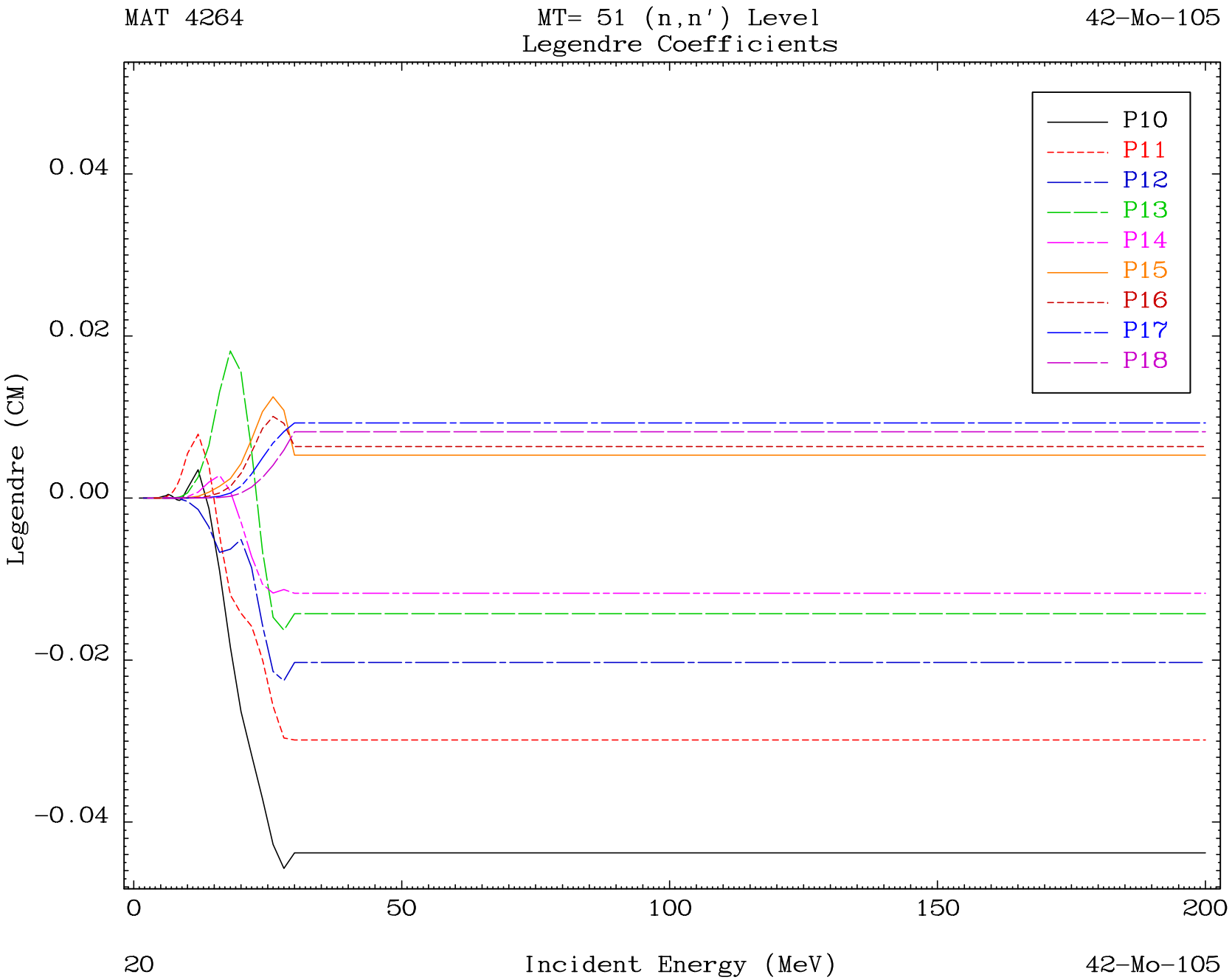

MAT 4264
Elastic
Legendre Coefficients
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
42-Mo-105

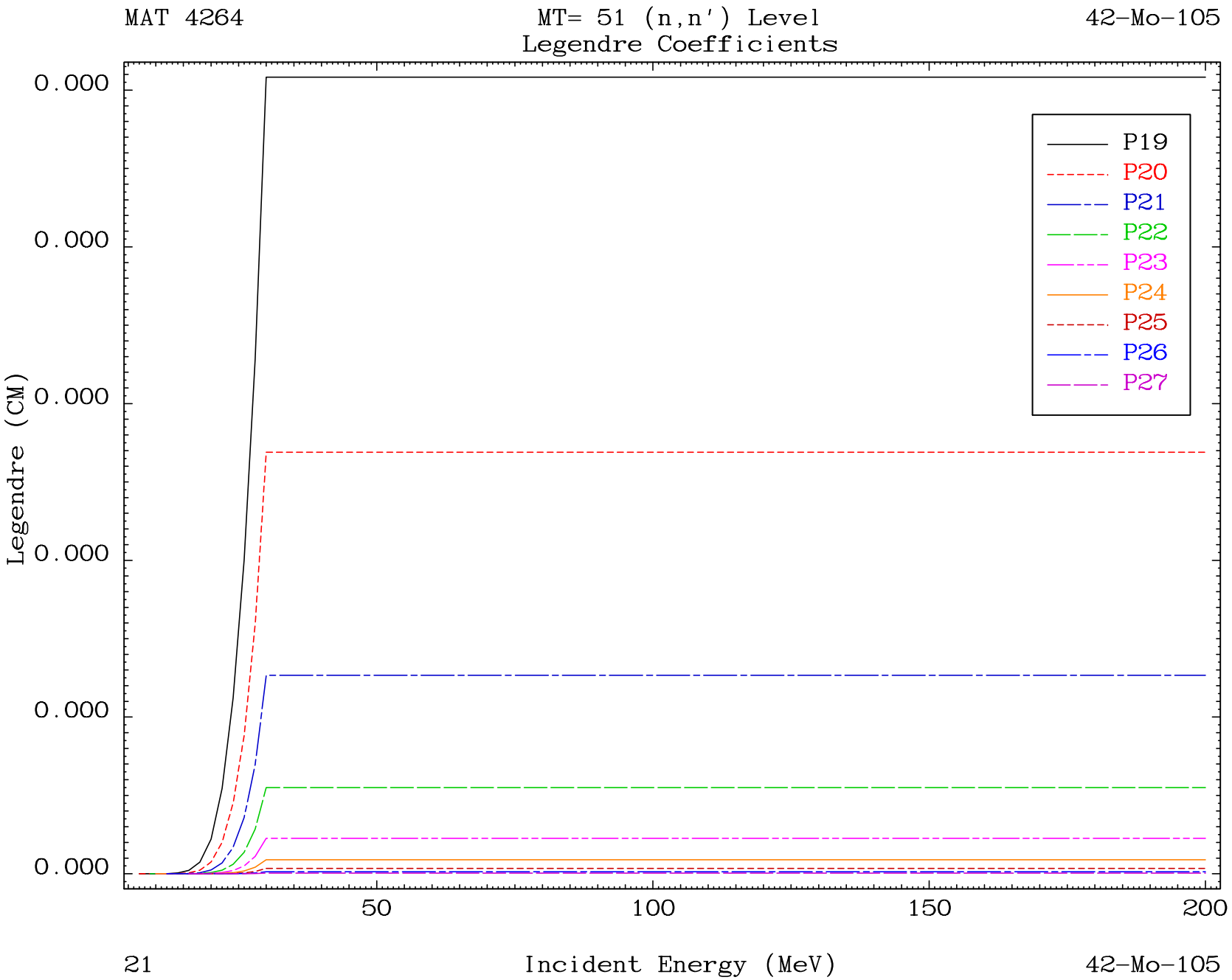

MAT 4264
Elastic
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.25
0.20
0.15
0.10
0.05
0.00
5
10
15
20
25
30
16
Incident Energy (MeV)
42-Mo-105

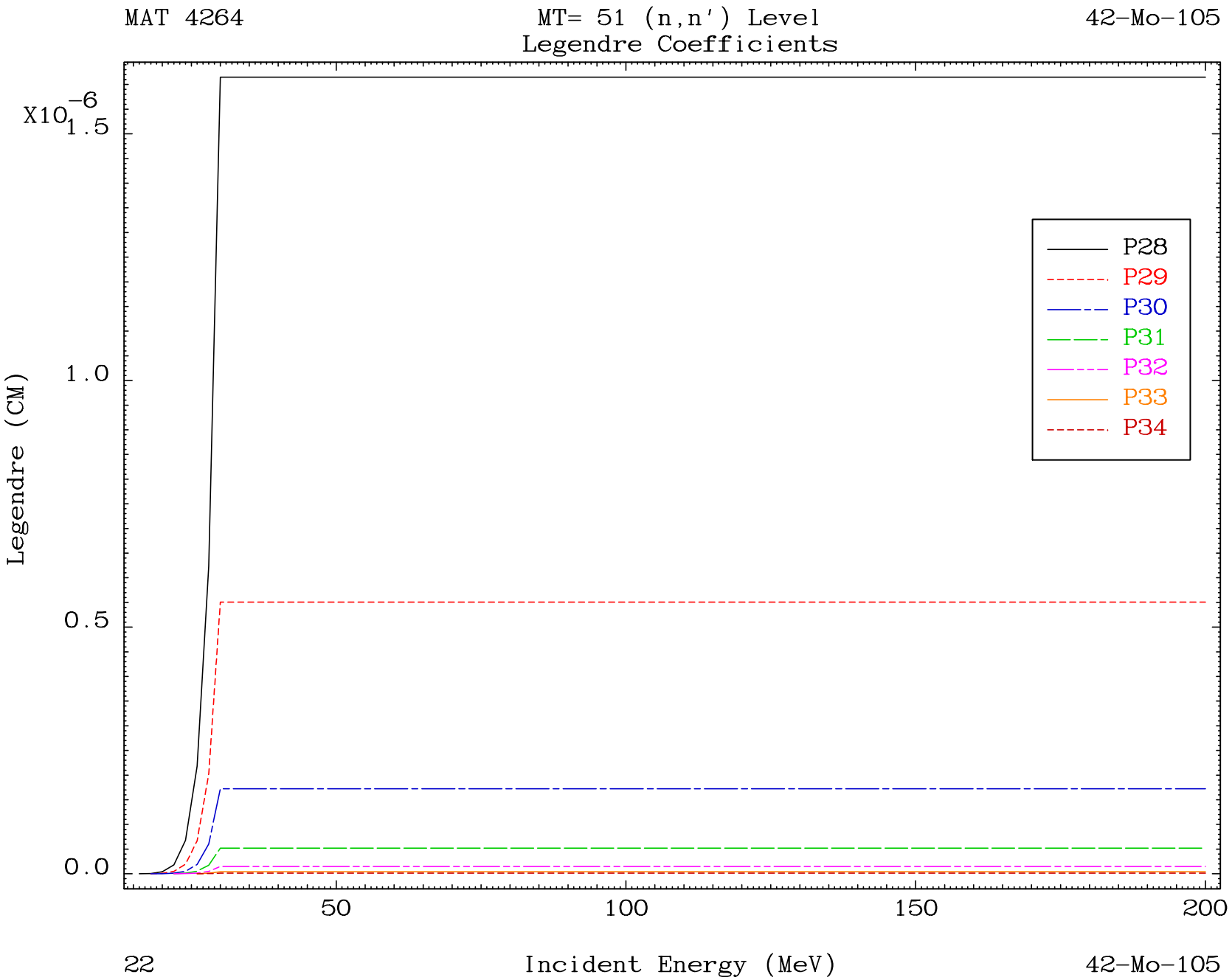

MAT 4264
Elastic
Legendre Coefficients
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
42-Mo-105

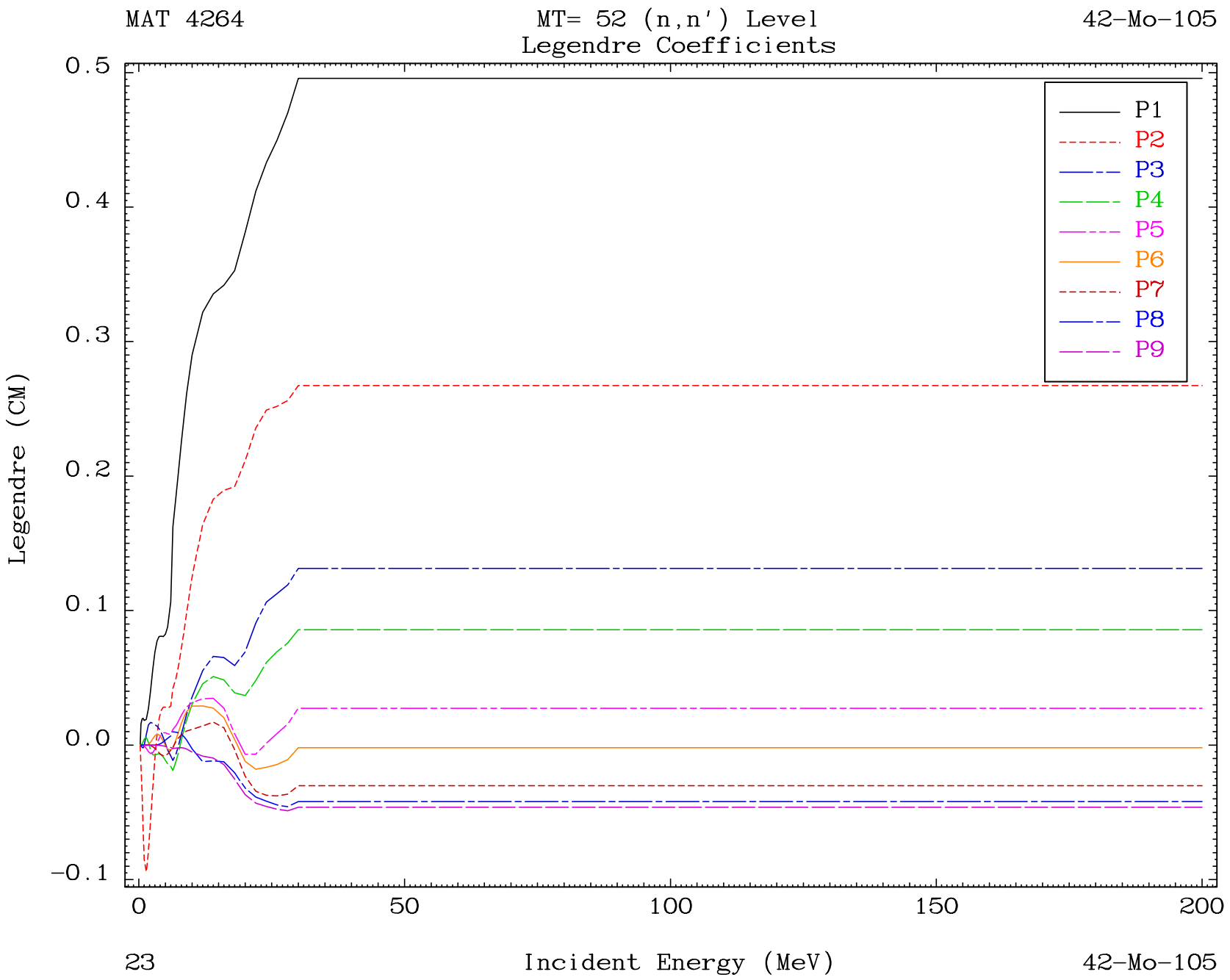

MAT 4264
Elastic
Legendre Coefficients
42-Mo-105
X10^-7
0.5
0.0
-0.5
-1.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
18
Incident Energy (MeV)
42-Mo-105

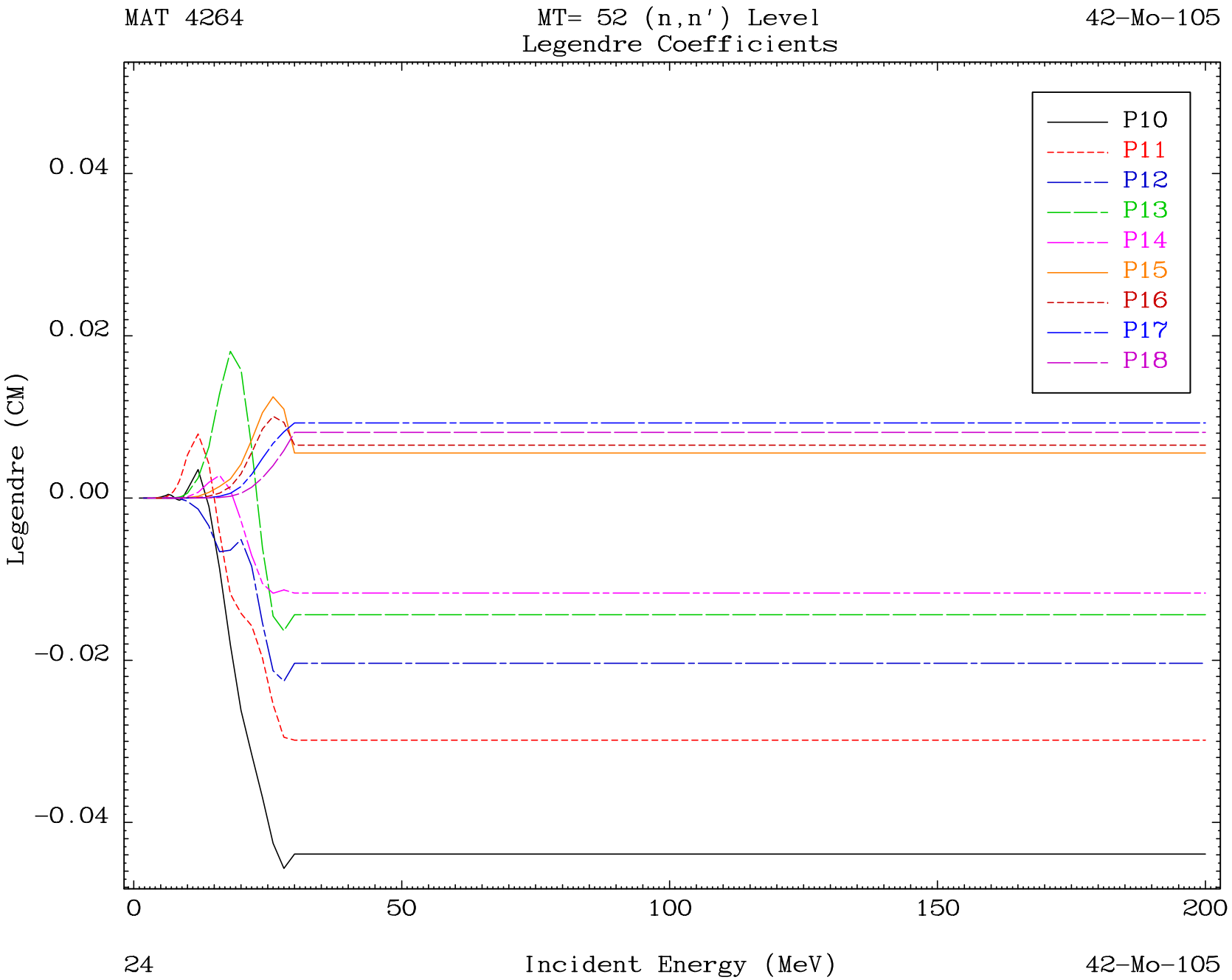

MAT 4264
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-105
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
19
Incident Energy (MeV)
42-Mo-105

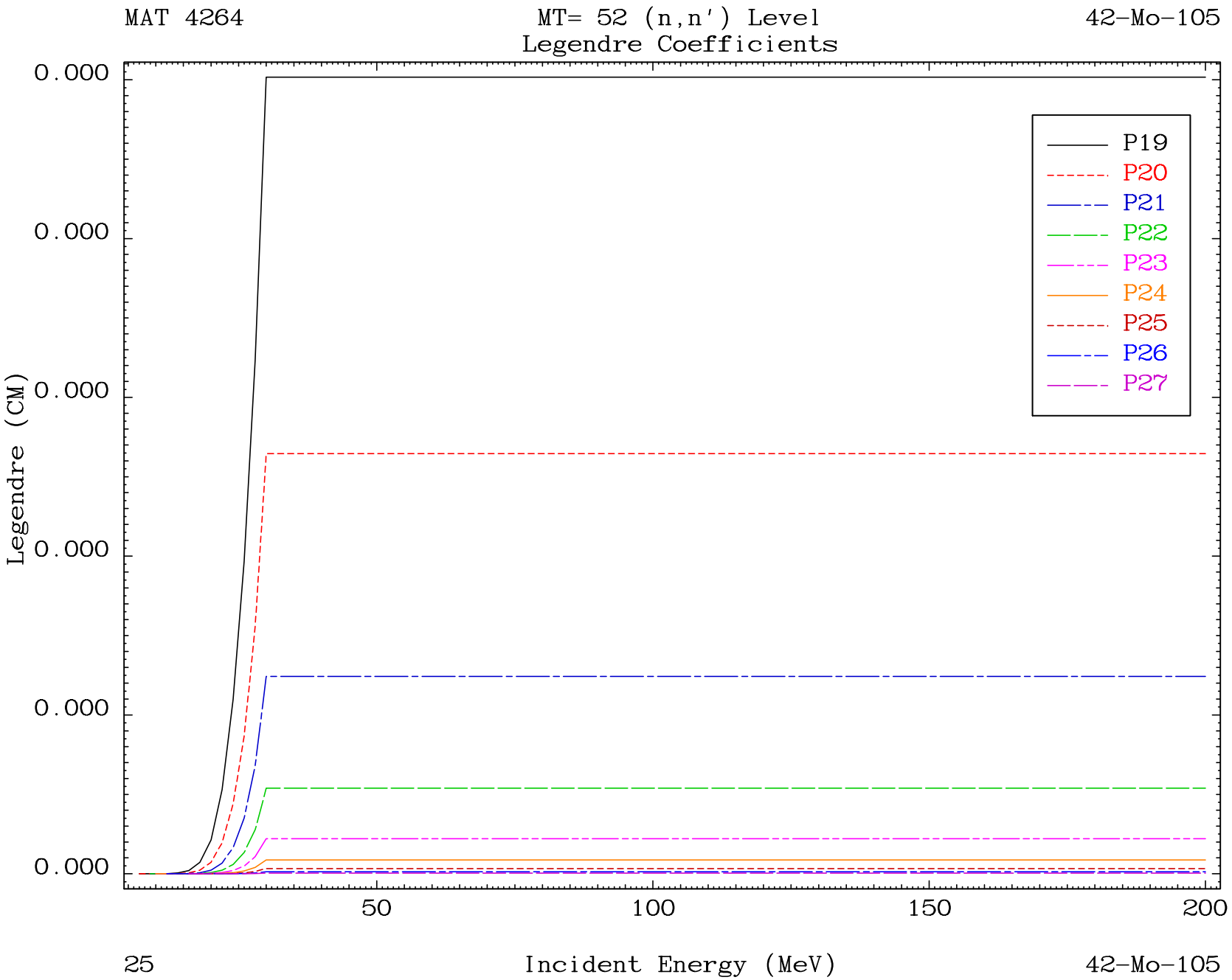

MAT 4264
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
42-Mo-105

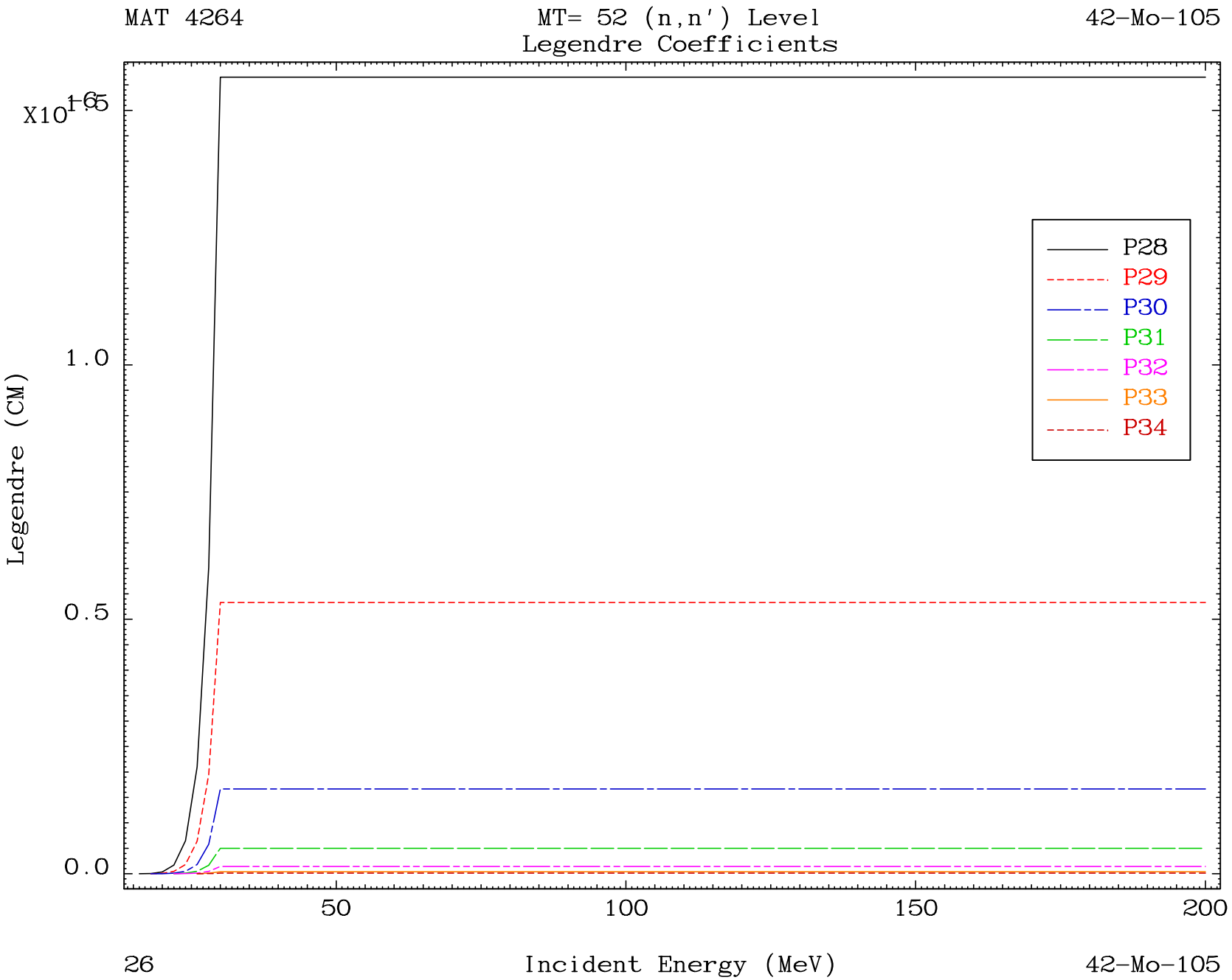

MAT 4264
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
21
Incident Energy (MeV)
42-Mo-105

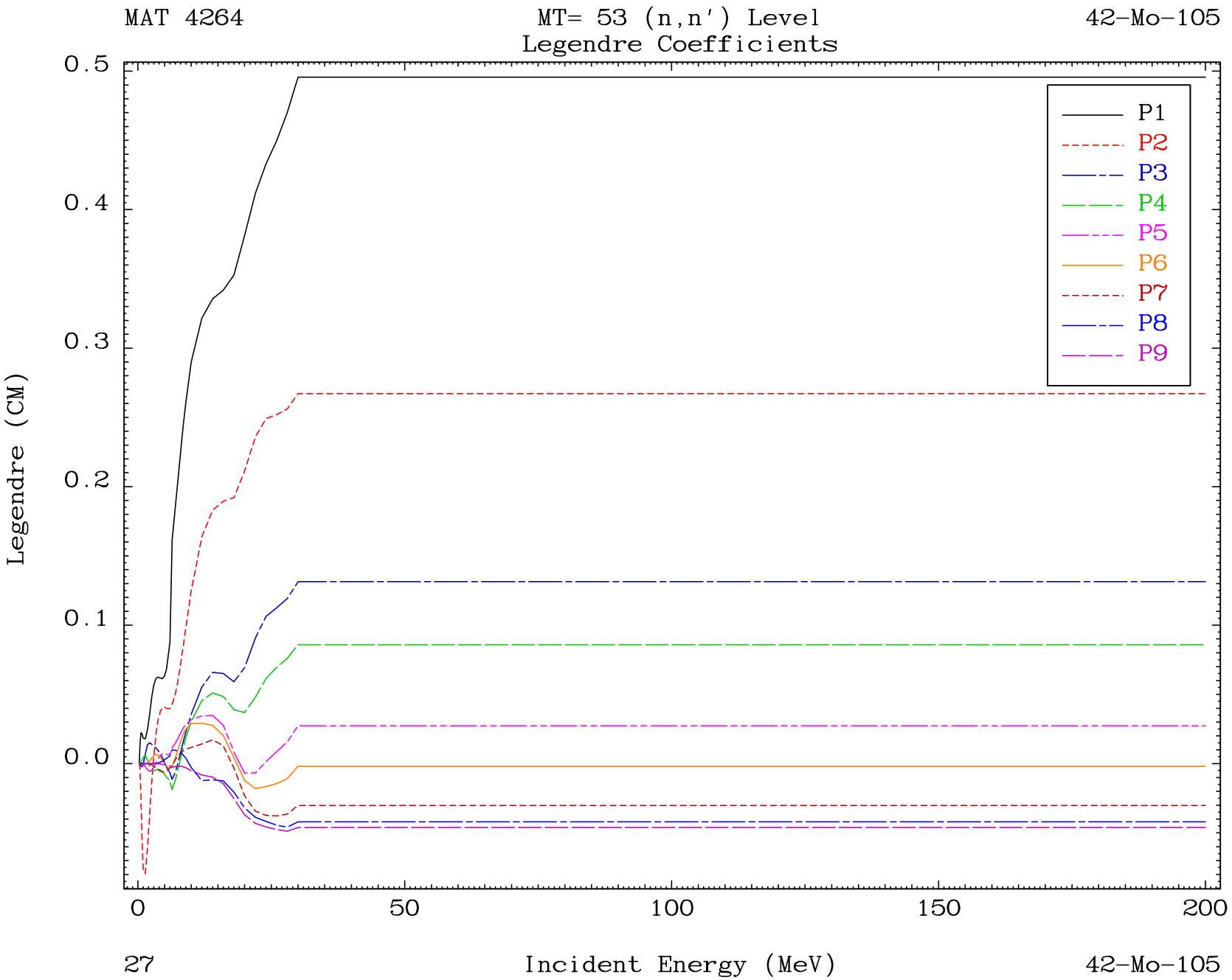

MAT 4264
MT= 51 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
22
Incident Energy (MeV)
42-Mo-105

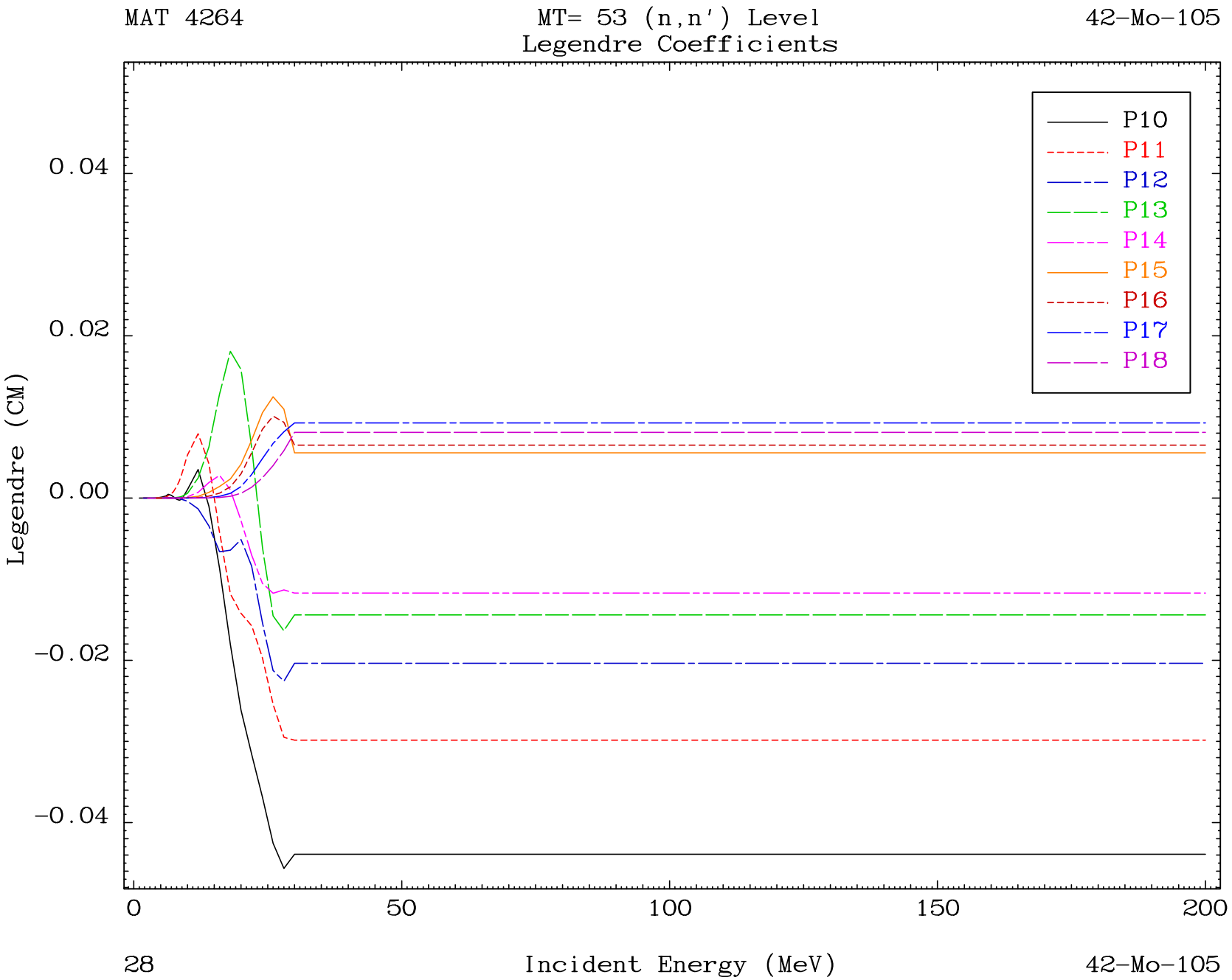

MAT 4264
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-105
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
23
Incident Energy (MeV)
42-Mo-105

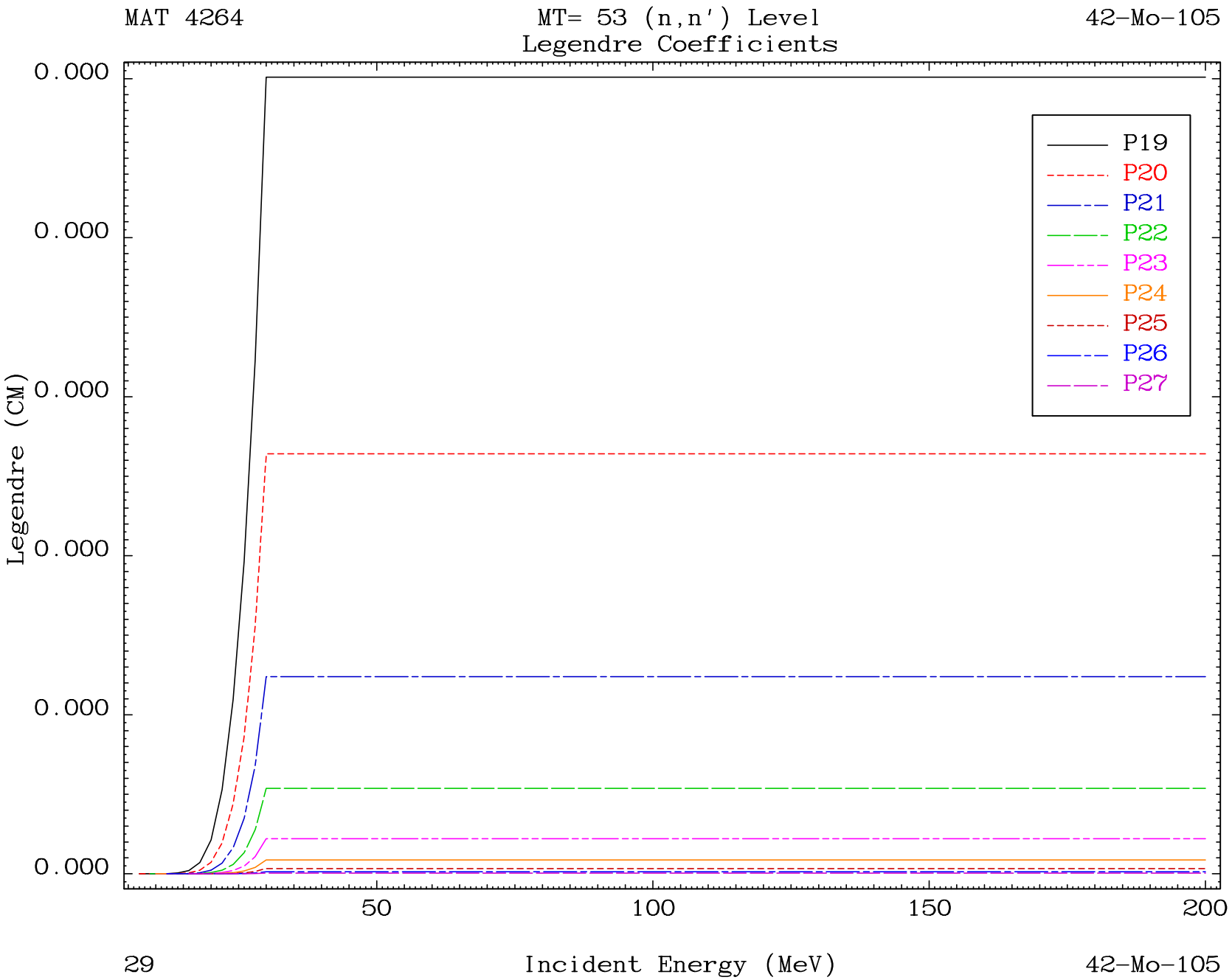

MAT 4264
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
42-Mo-105

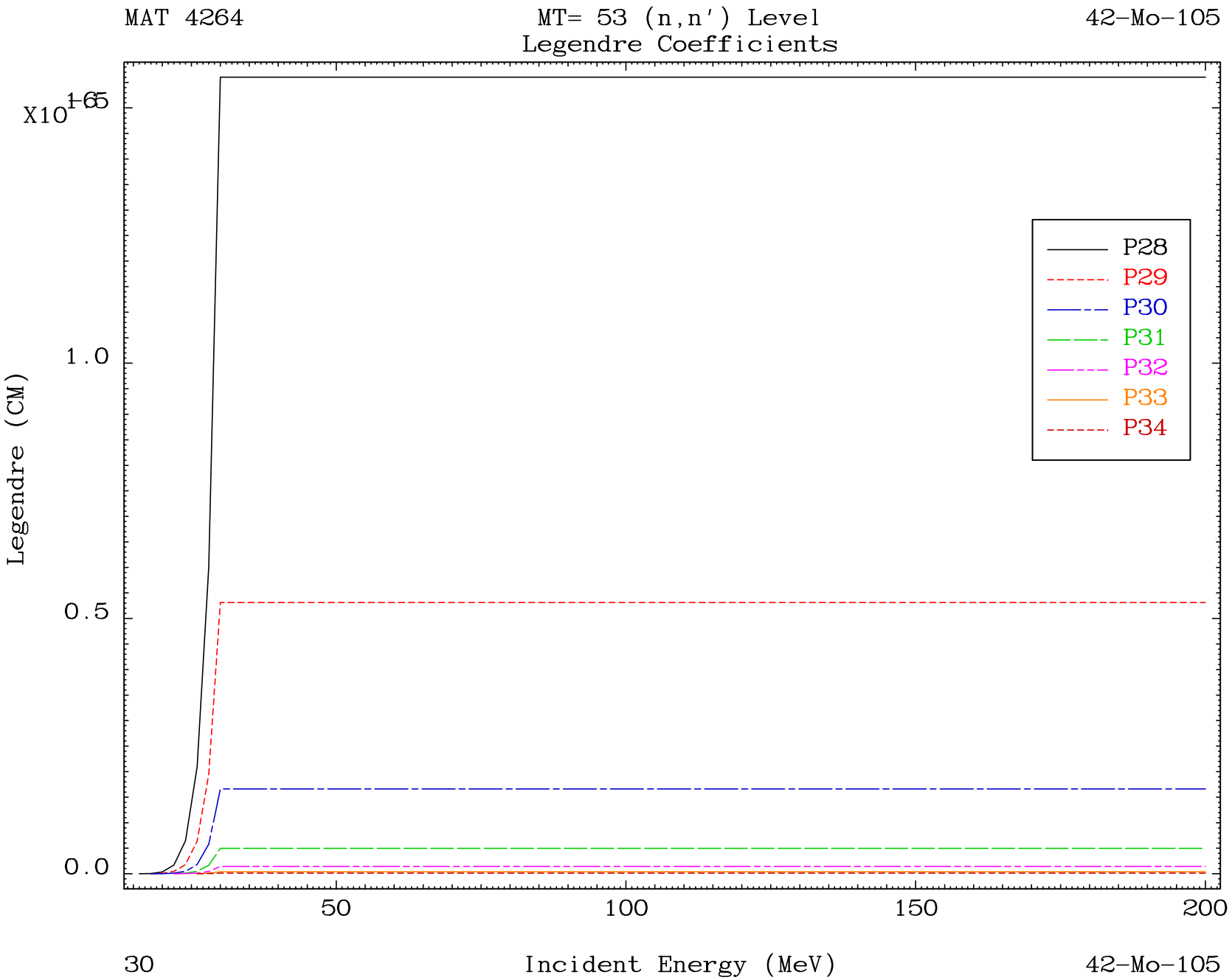

MAT 4264
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
25
Incident Energy (MeV)
42-Mo-105

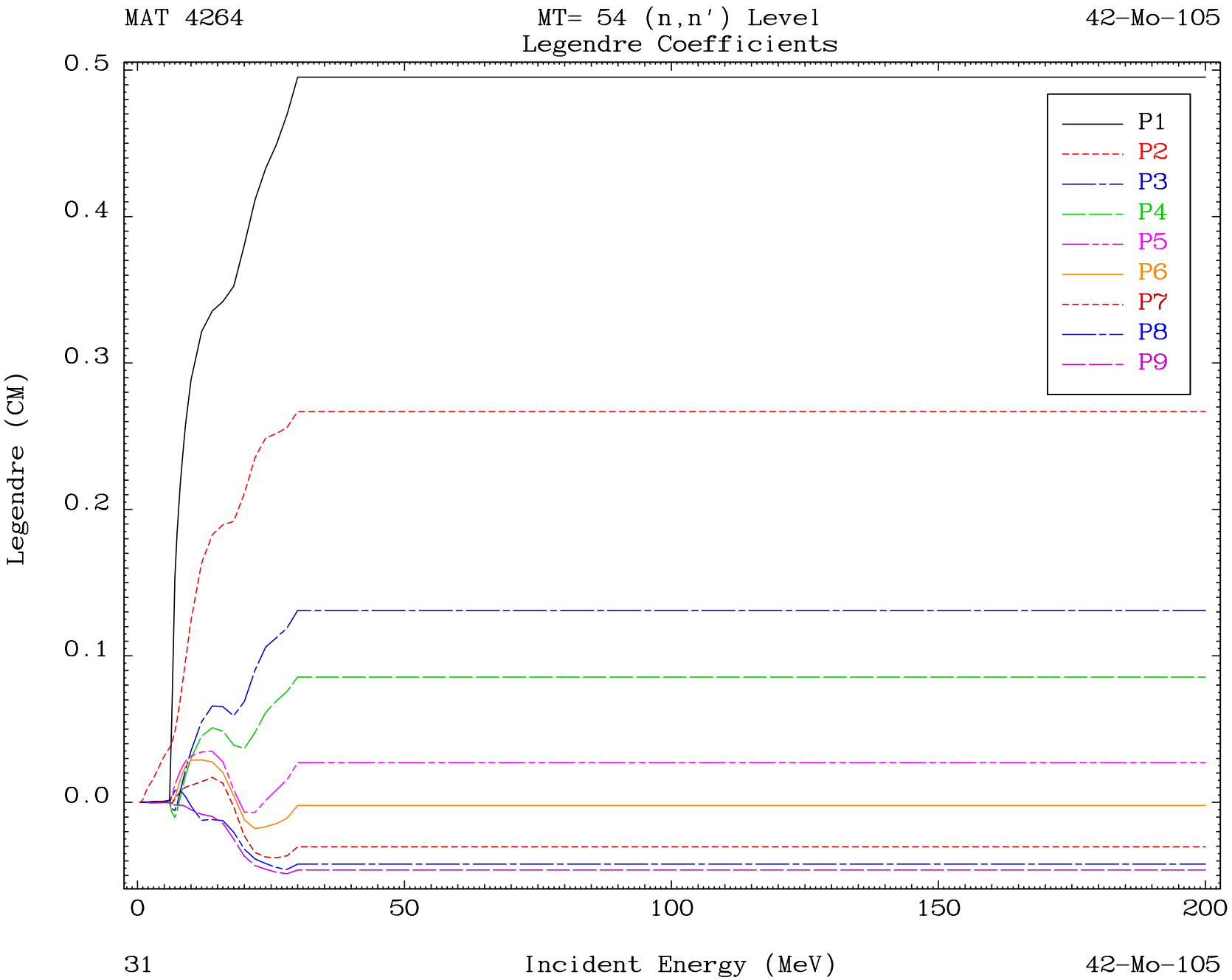

MAT 4264
MT= 52 (n,n') Level
Legendre Coefficients
42-Mo-105
X10+0
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
26
Incident Energy (MeV)
42-Mo-105

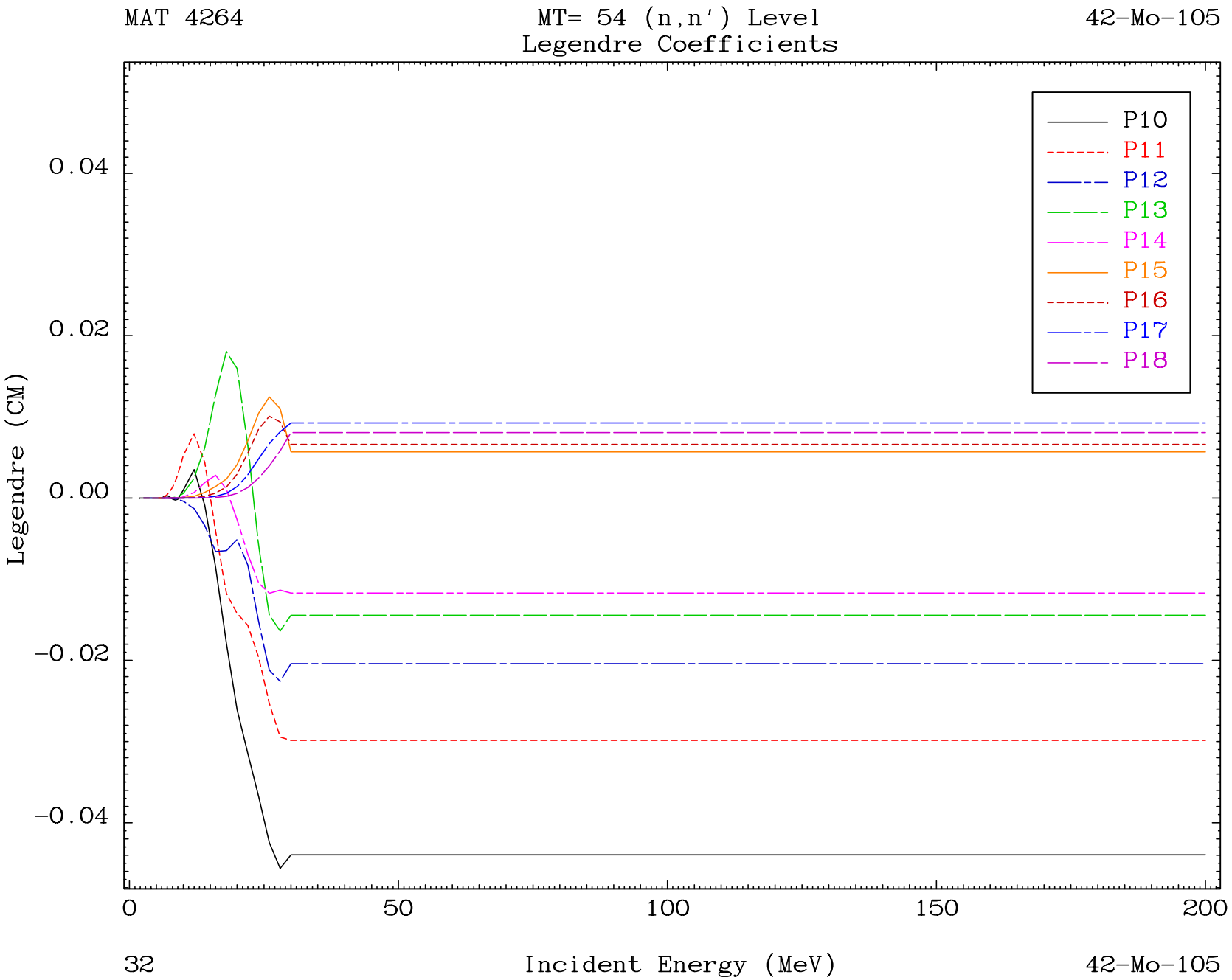

MAT 4264
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-105
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
27
Incident Energy (MeV)
42-Mo-105

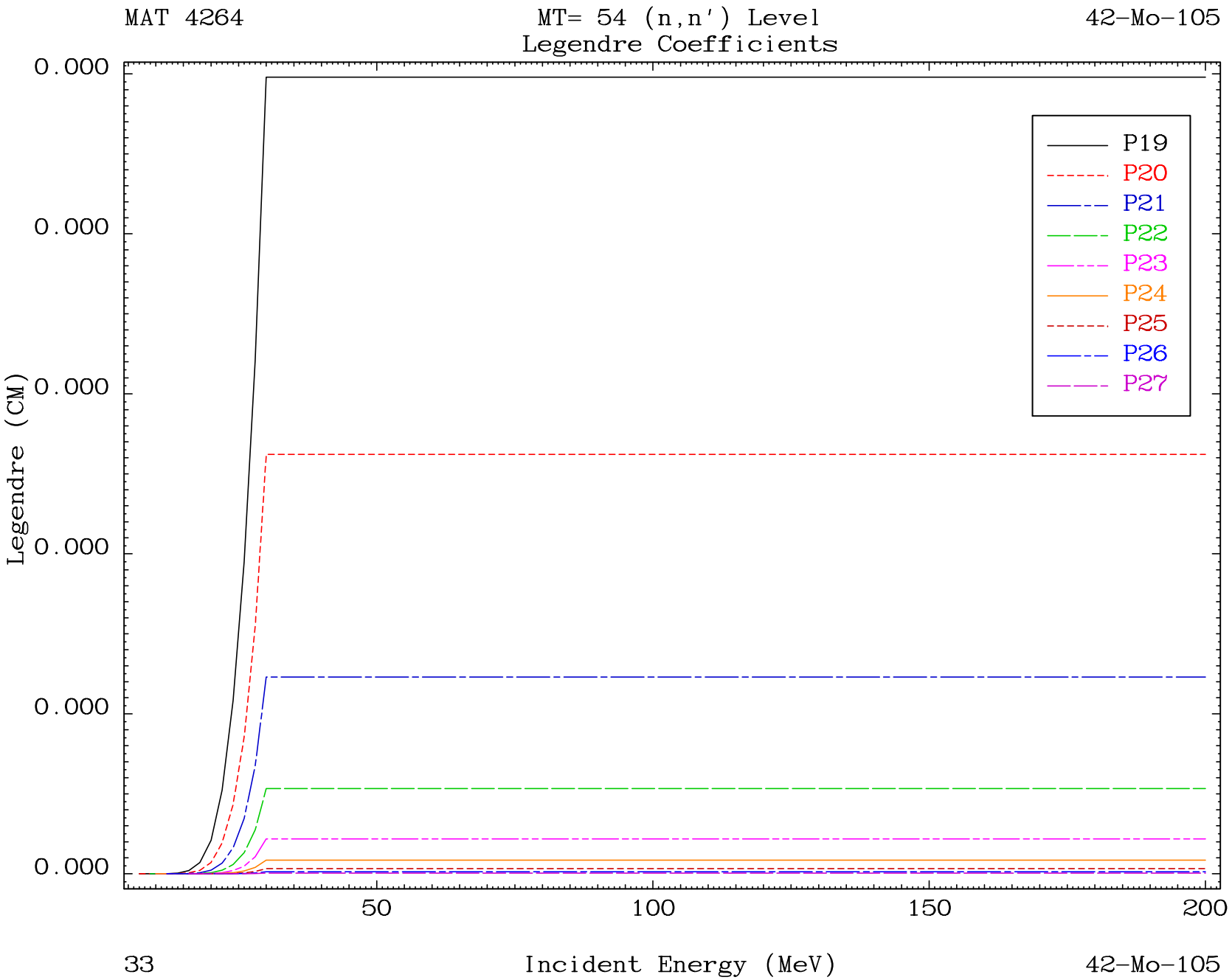

MAT 4264
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
42-Mo-105

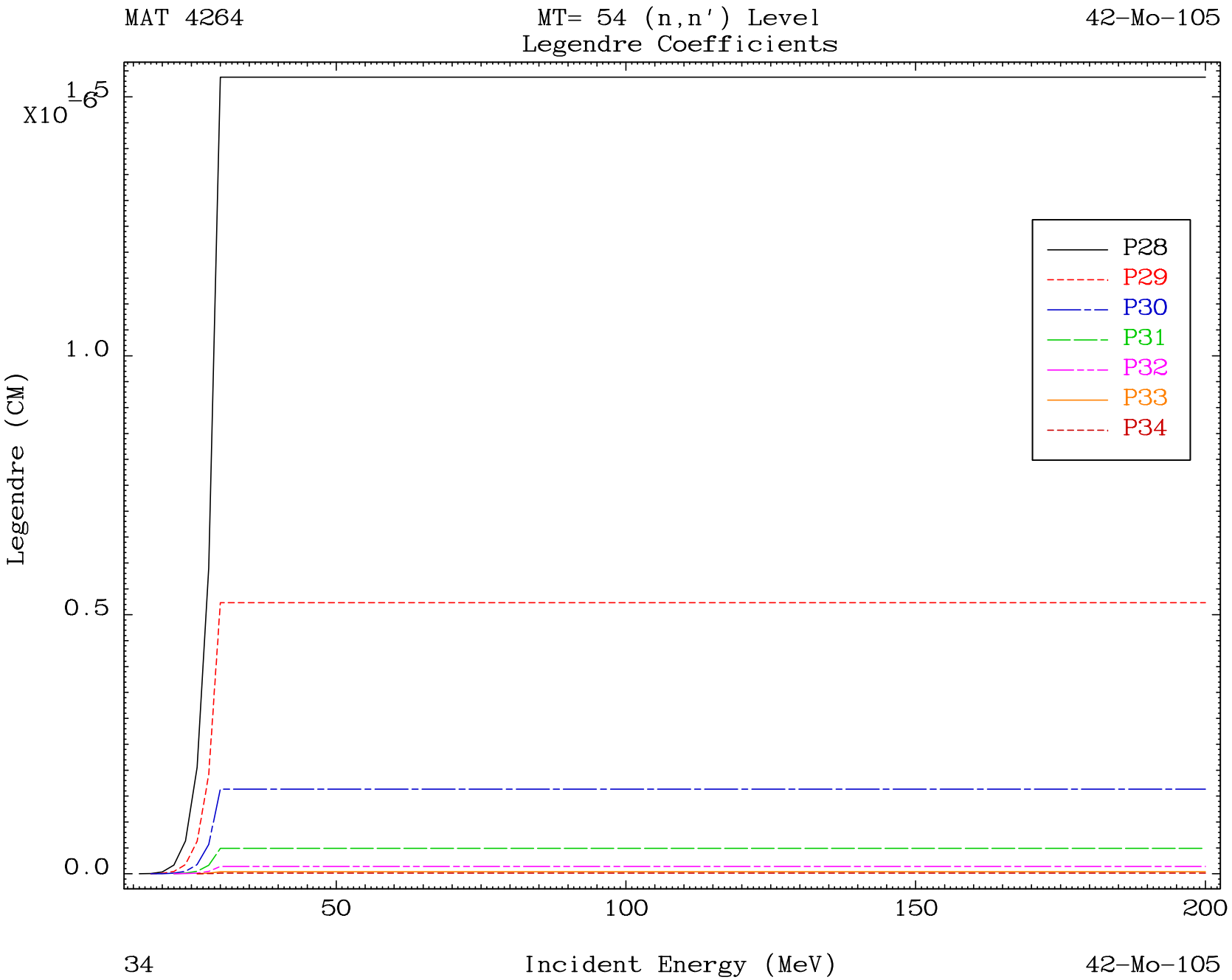

MAT 4264
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
29
Incident Energy (MeV)
42-Mo-105

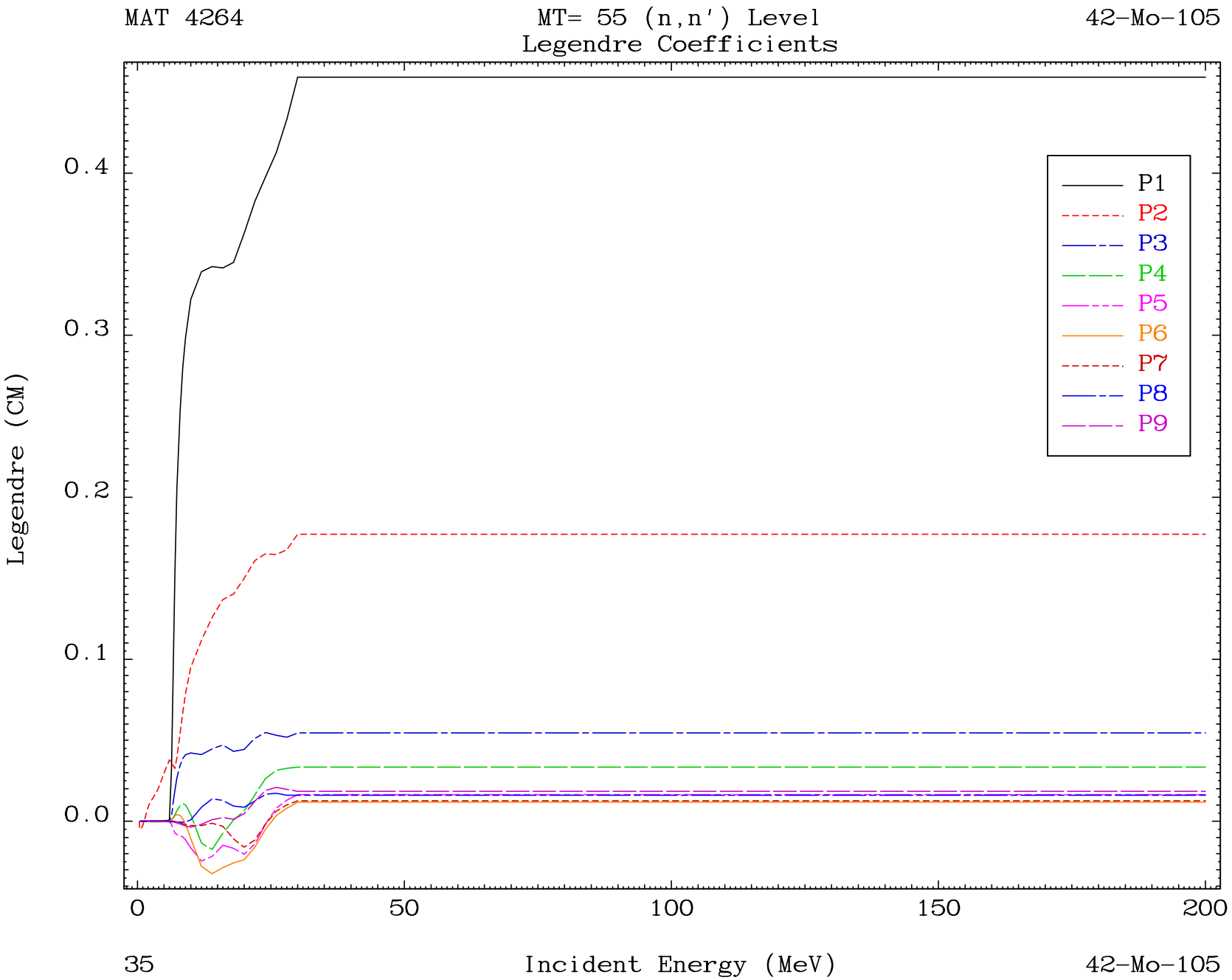

MAT 4264
MT= 53 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-65
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
30
50
100
150
200
Incident Energy (MeV)
42-Mo-105

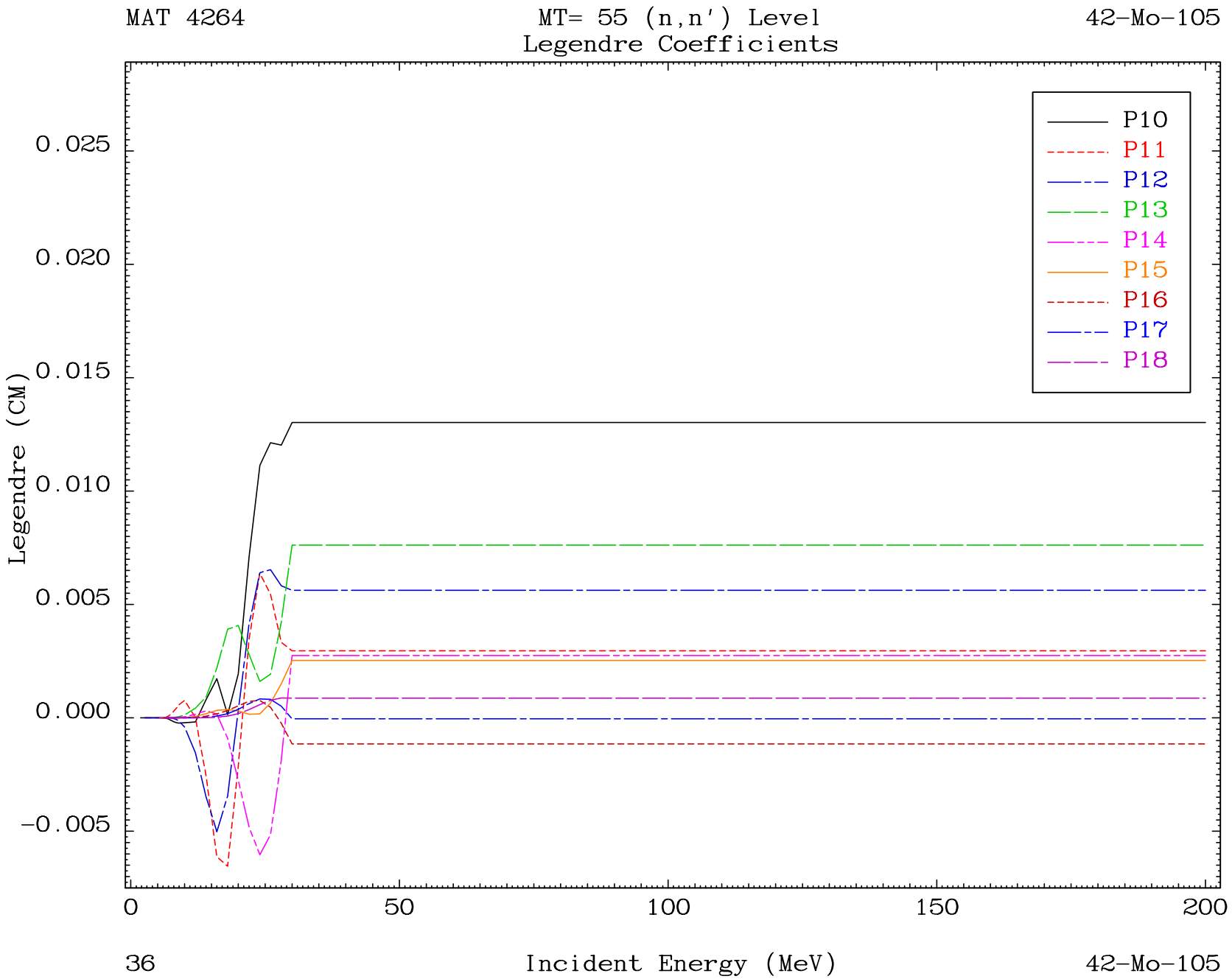

MAT 4264
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-105
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
31
Incident Energy (MeV)
42-Mo-105

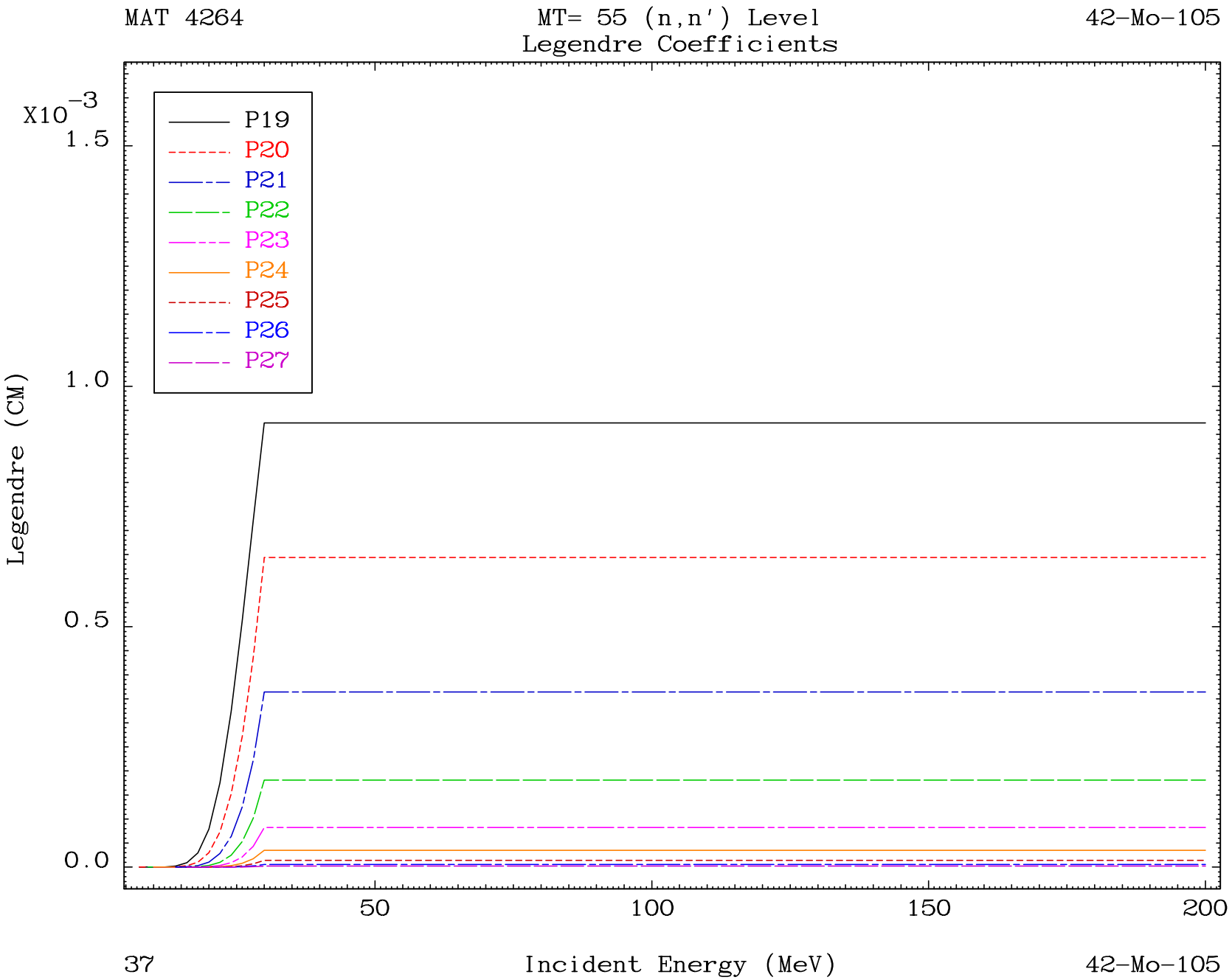

MAT 4264
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
32
Incident Energy (MeV)
42-Mo-105

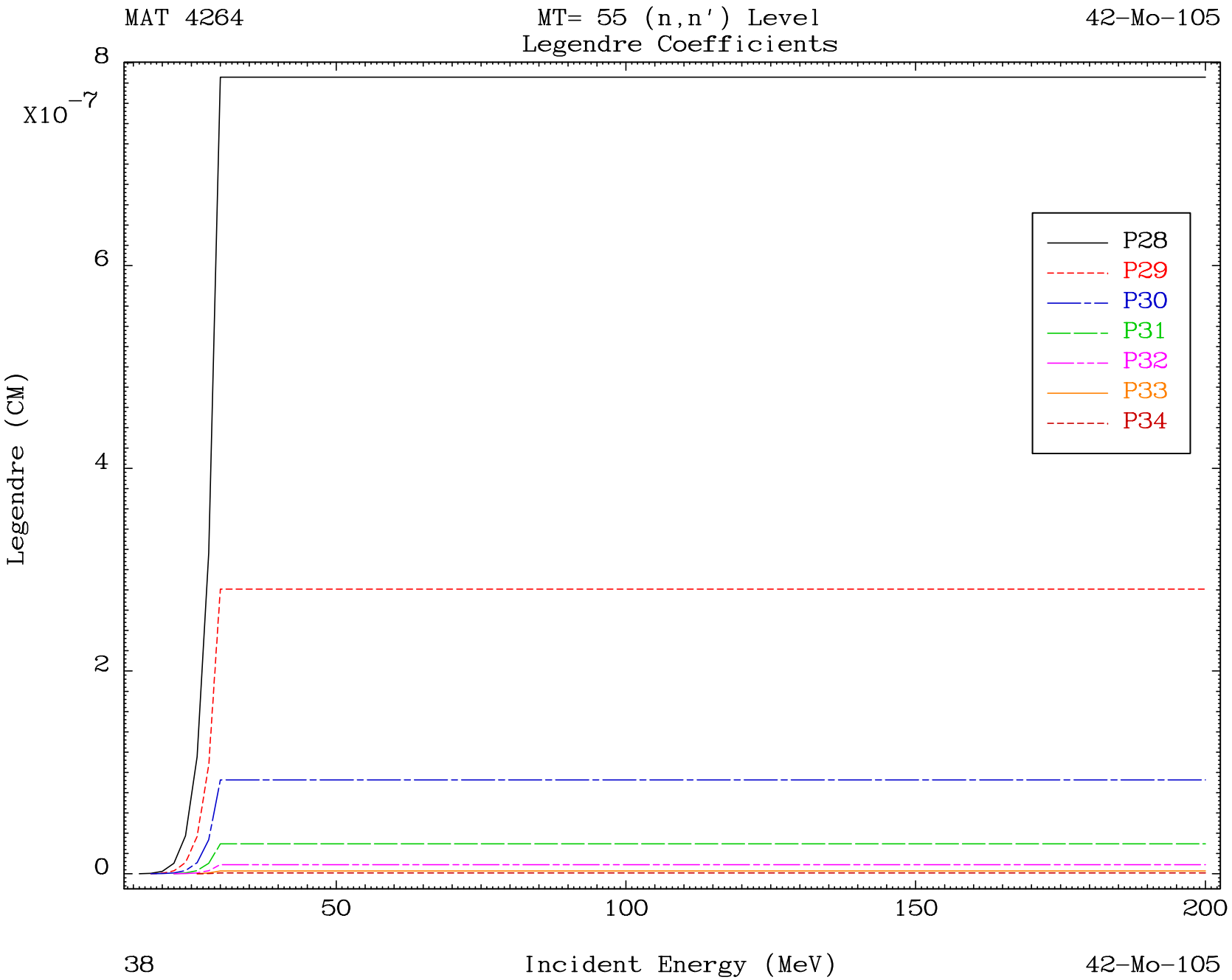

MAT 4264
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
33
Incident Energy (MeV)
42-Mo-105

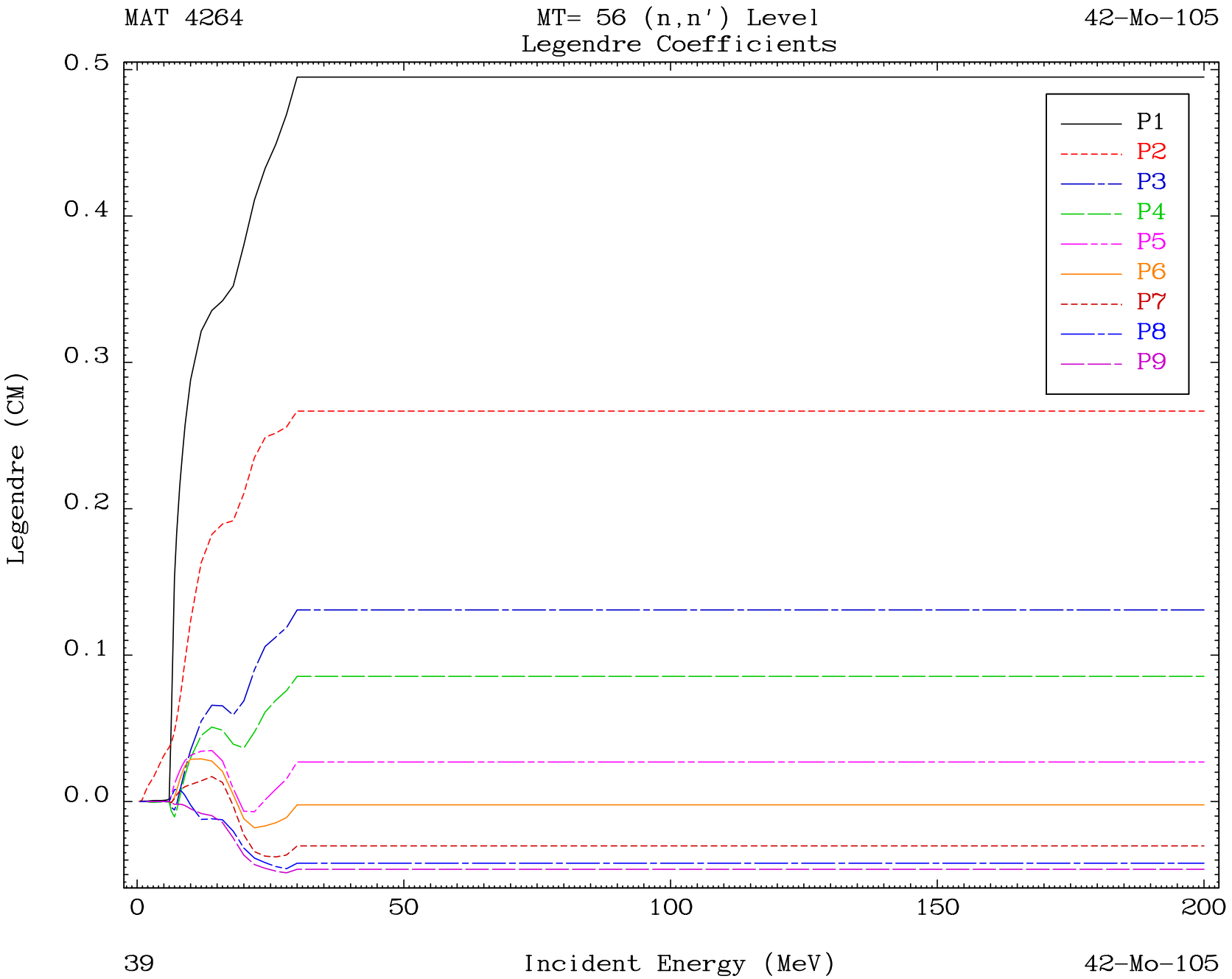

MAT 4264
MT= 54 (n,n') Level
Legendre Coefficients
42-Mo-105
X10 -6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
34
Incident Energy (MeV)
42-Mo-105

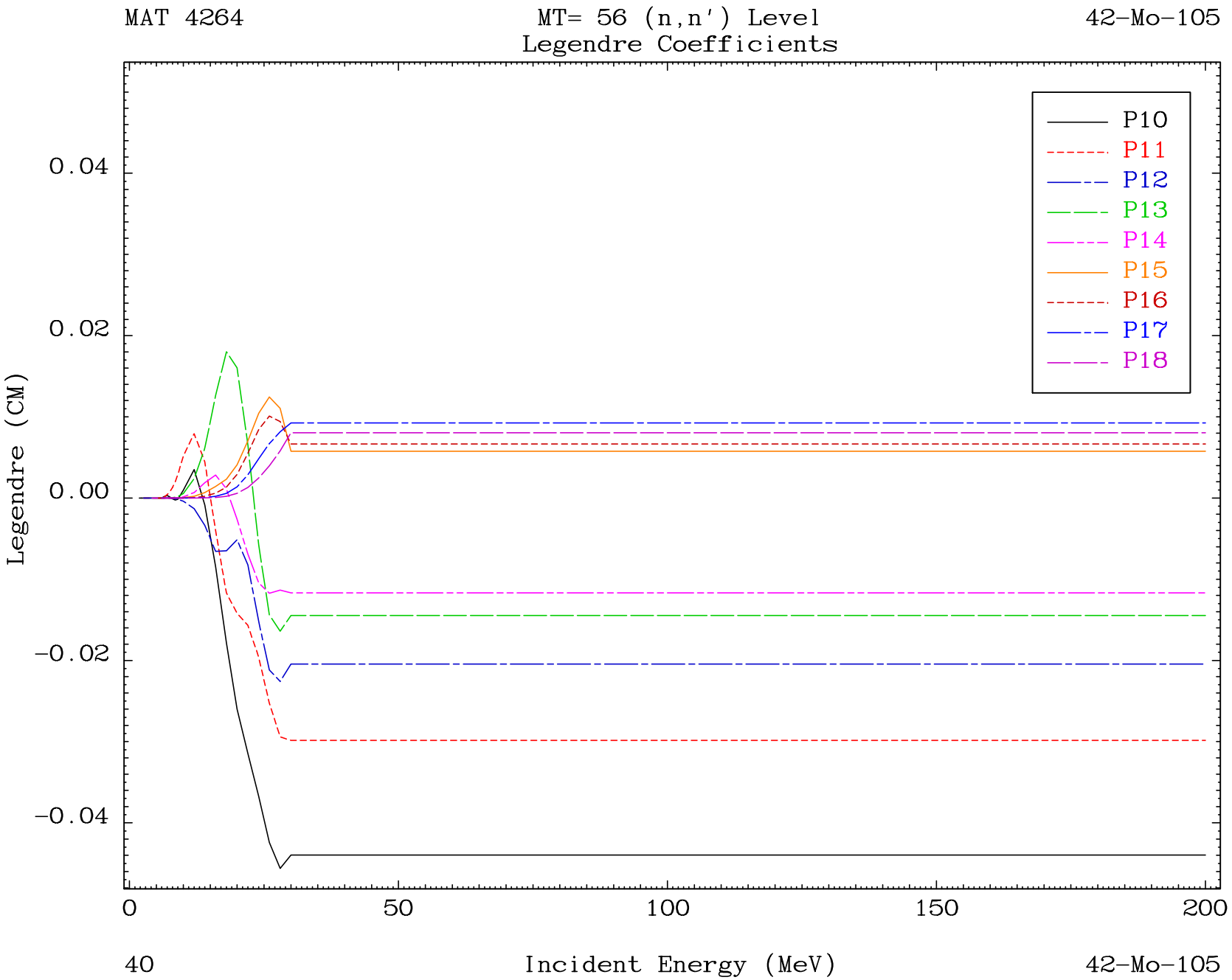

MAT 4264
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
35
Incident Energy (MeV)
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9

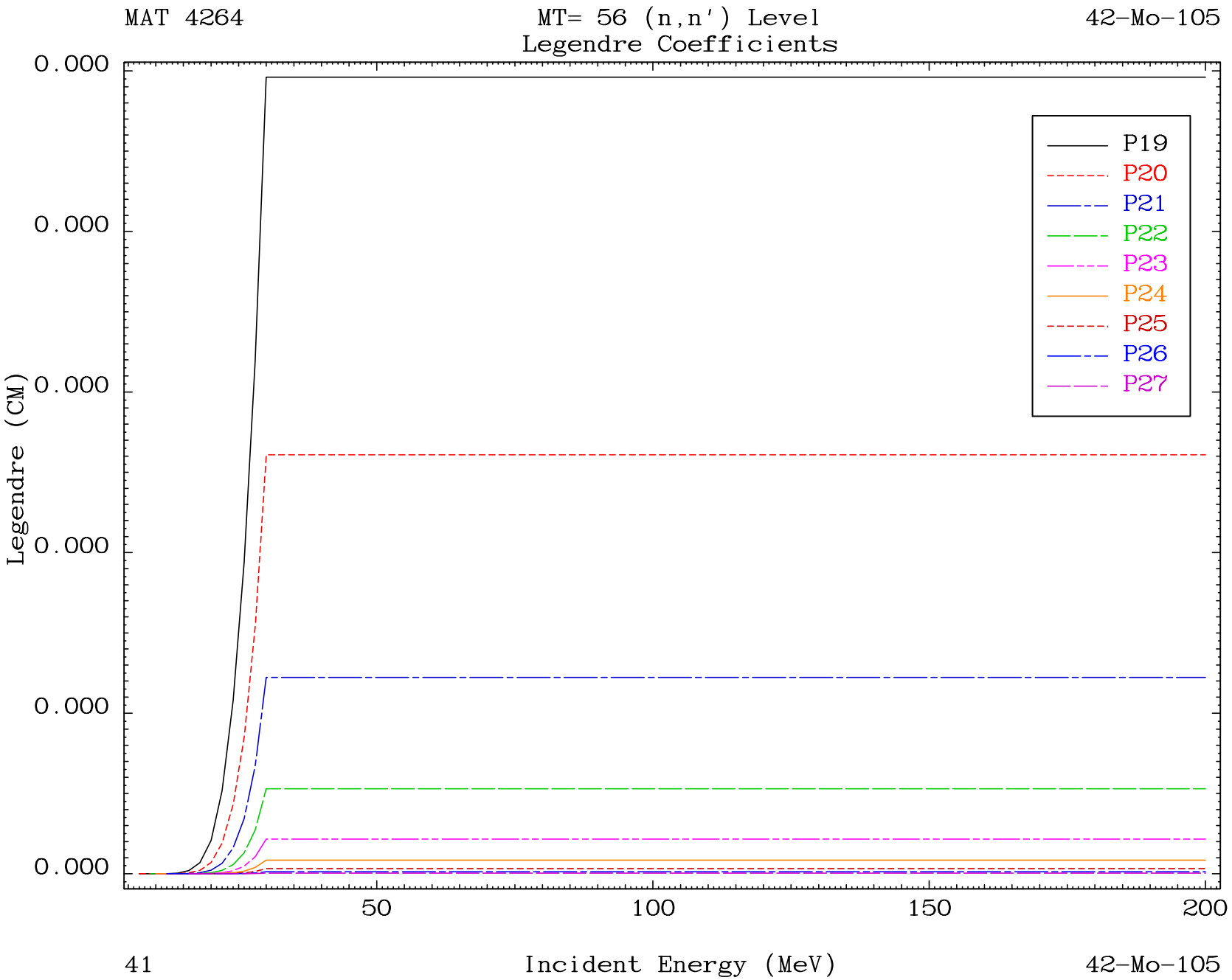

MAT 4264
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
42-Mo-105

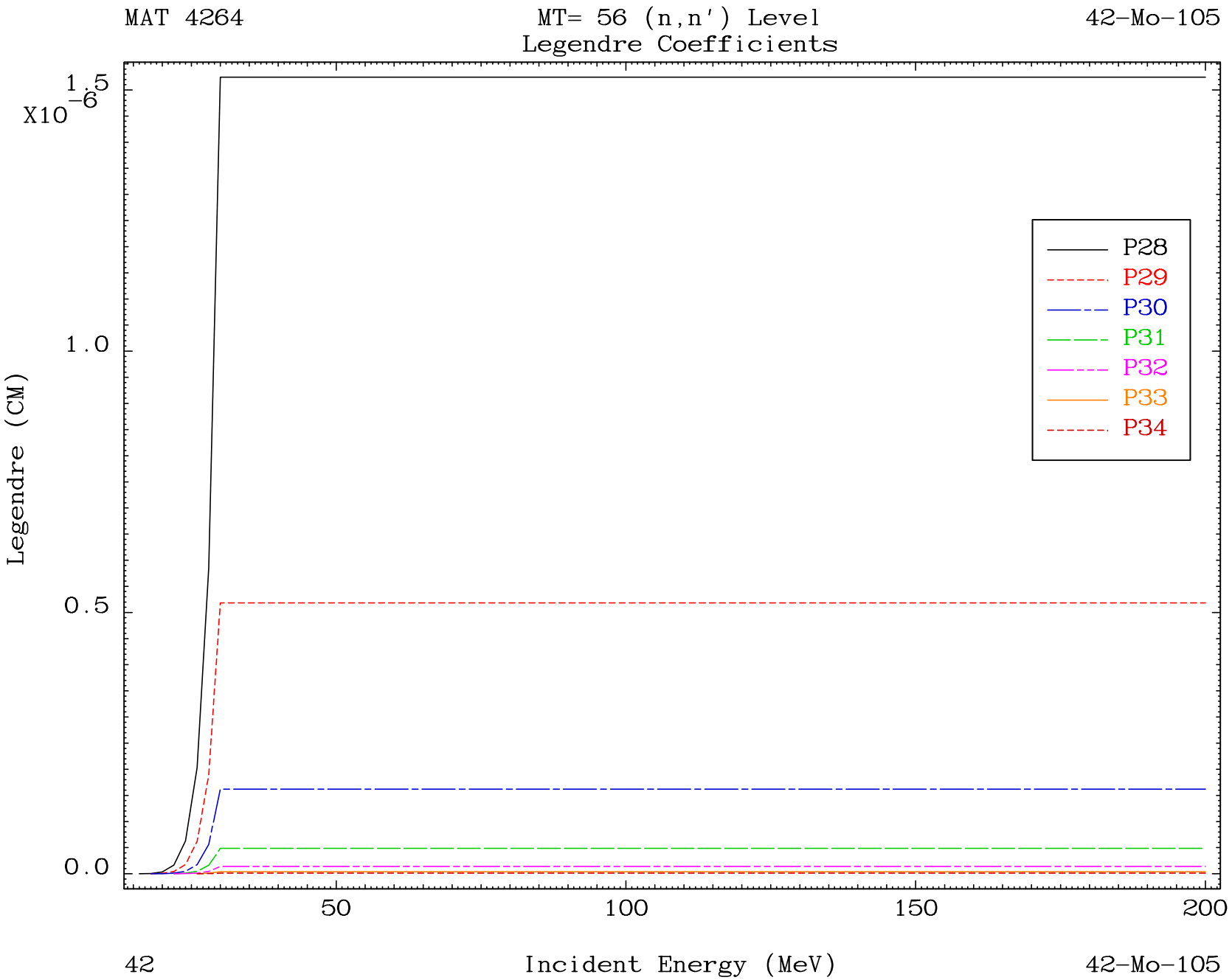

MAT 4264
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
37
Incident Energy (MeV)
42-Mo-105

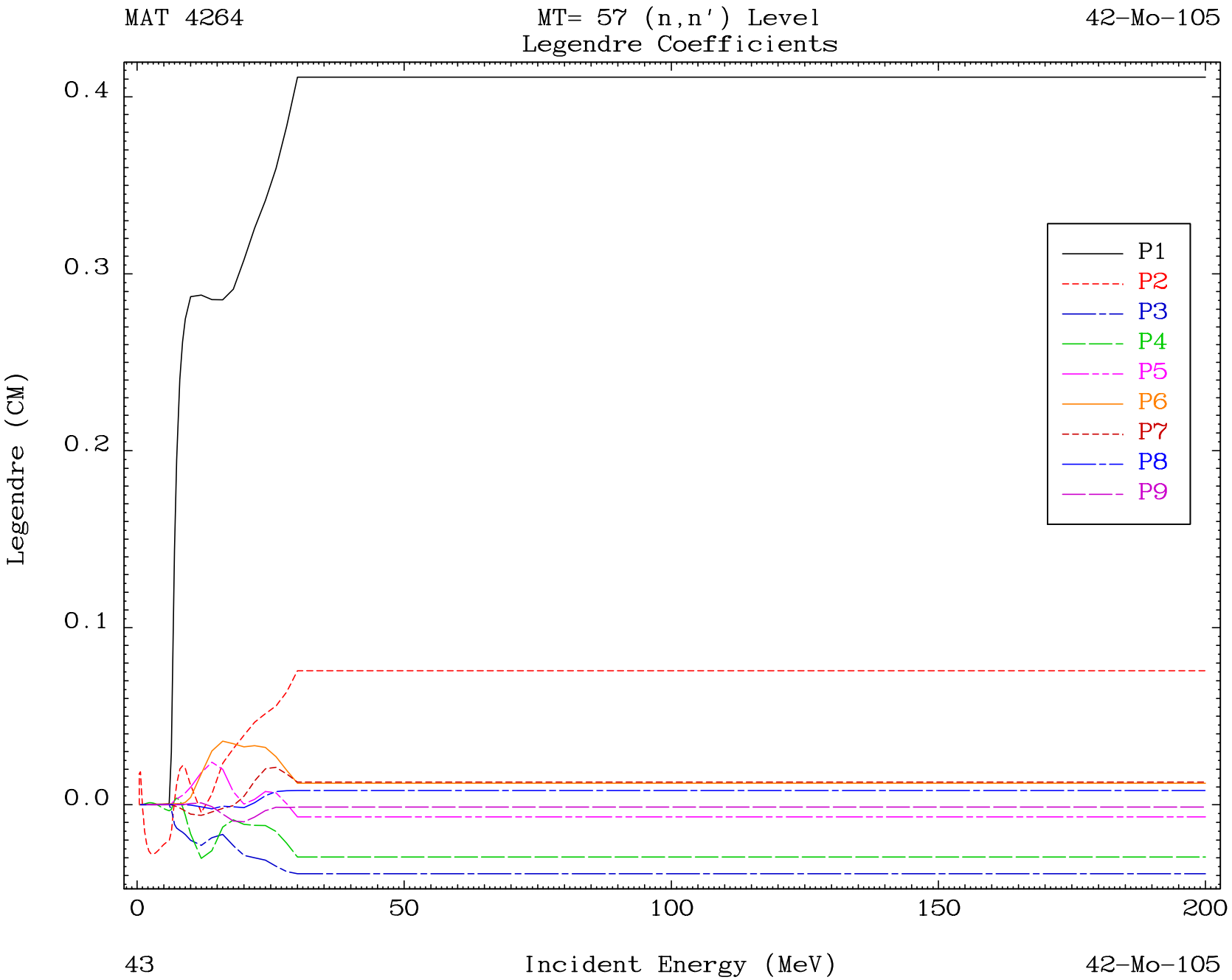

MAT 4264
MT= 55 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-7
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
38
Incident Energy (MeV)
42-Mo-105

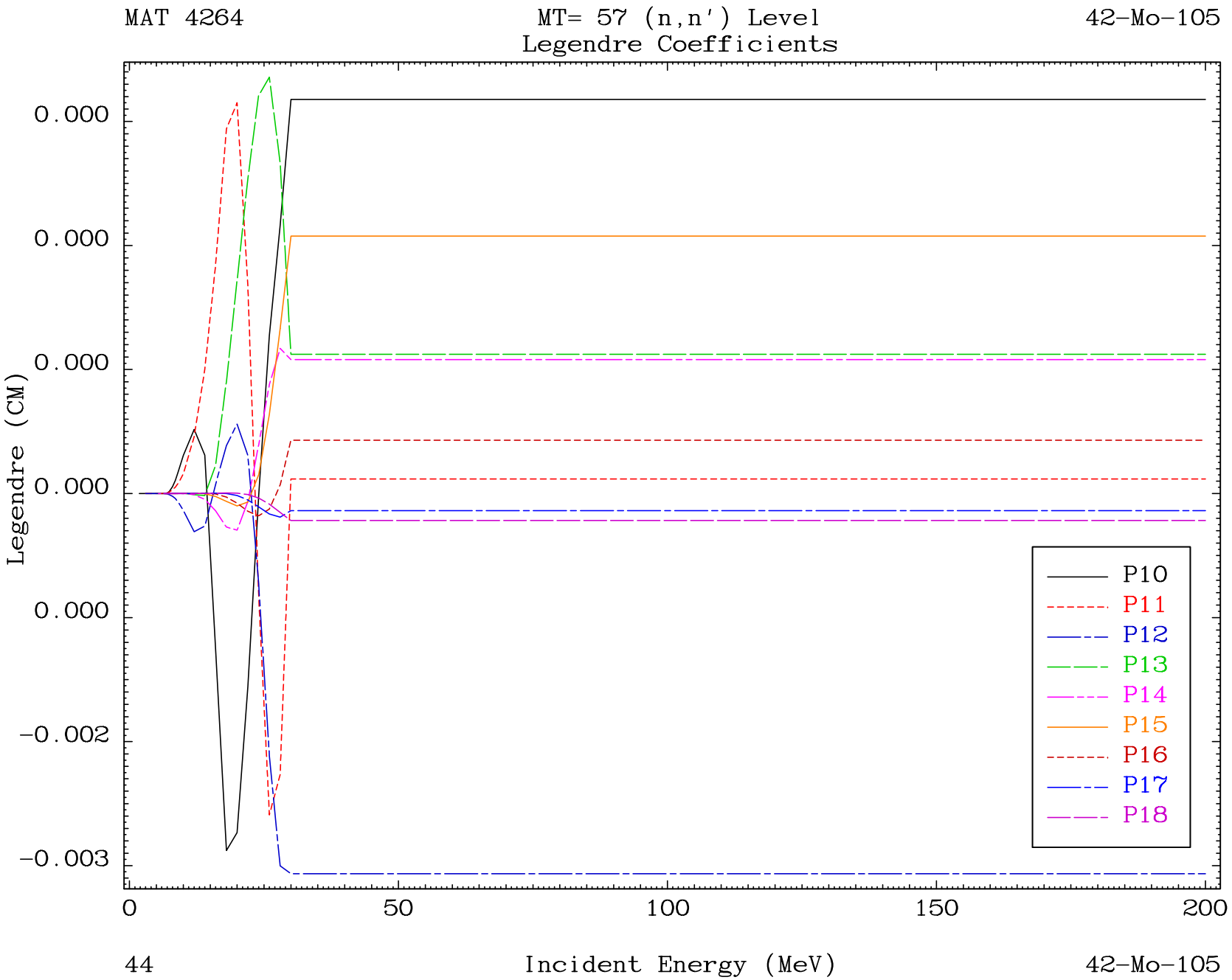

MAT 4264
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
39
Incident Energy (MeV)
42-Mo-105

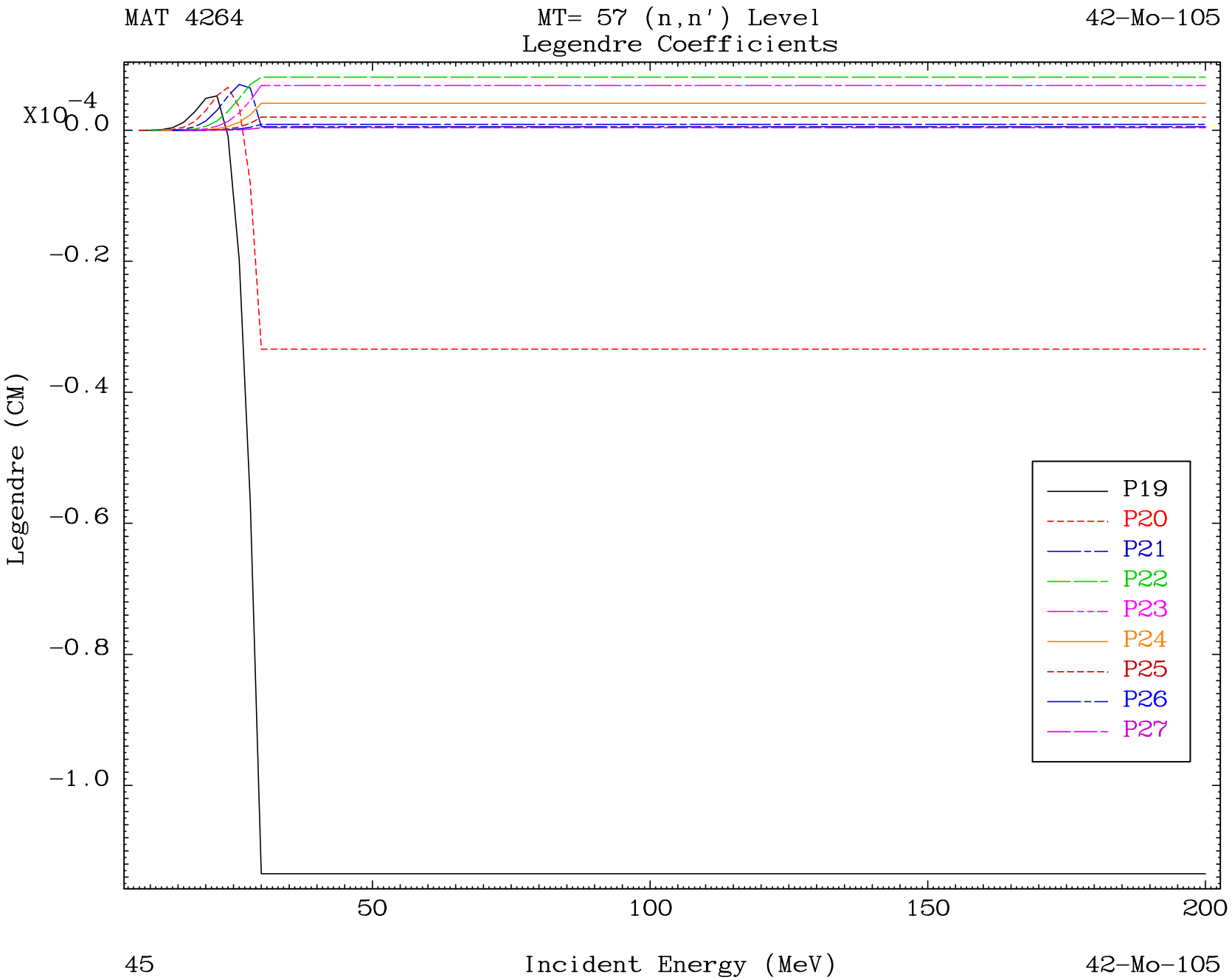

MAT 4264
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
40
Incident Energy (MeV)
42-Mo-105

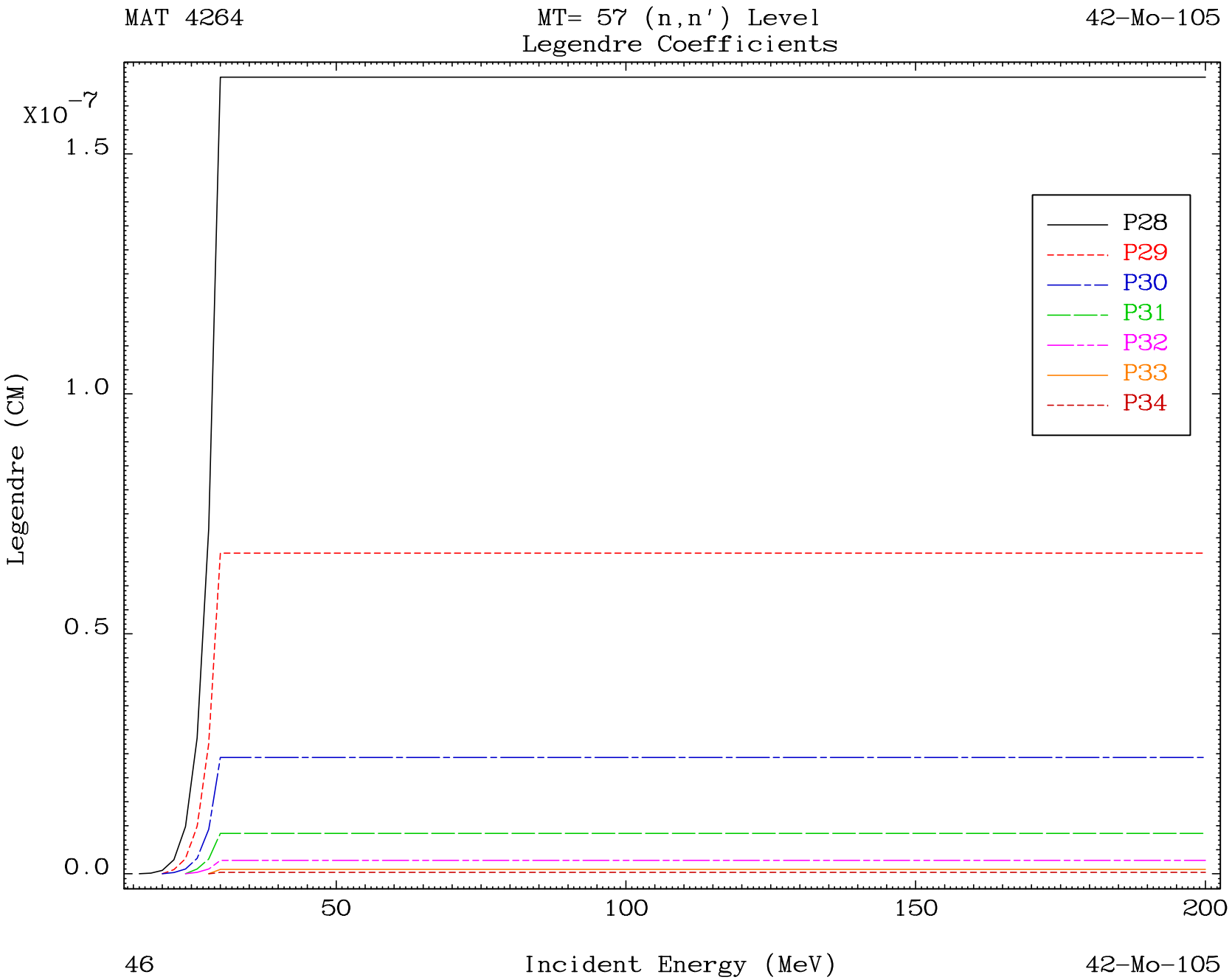

MAT 4264
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
41
Incident Energy (MeV)
42-Mo-105

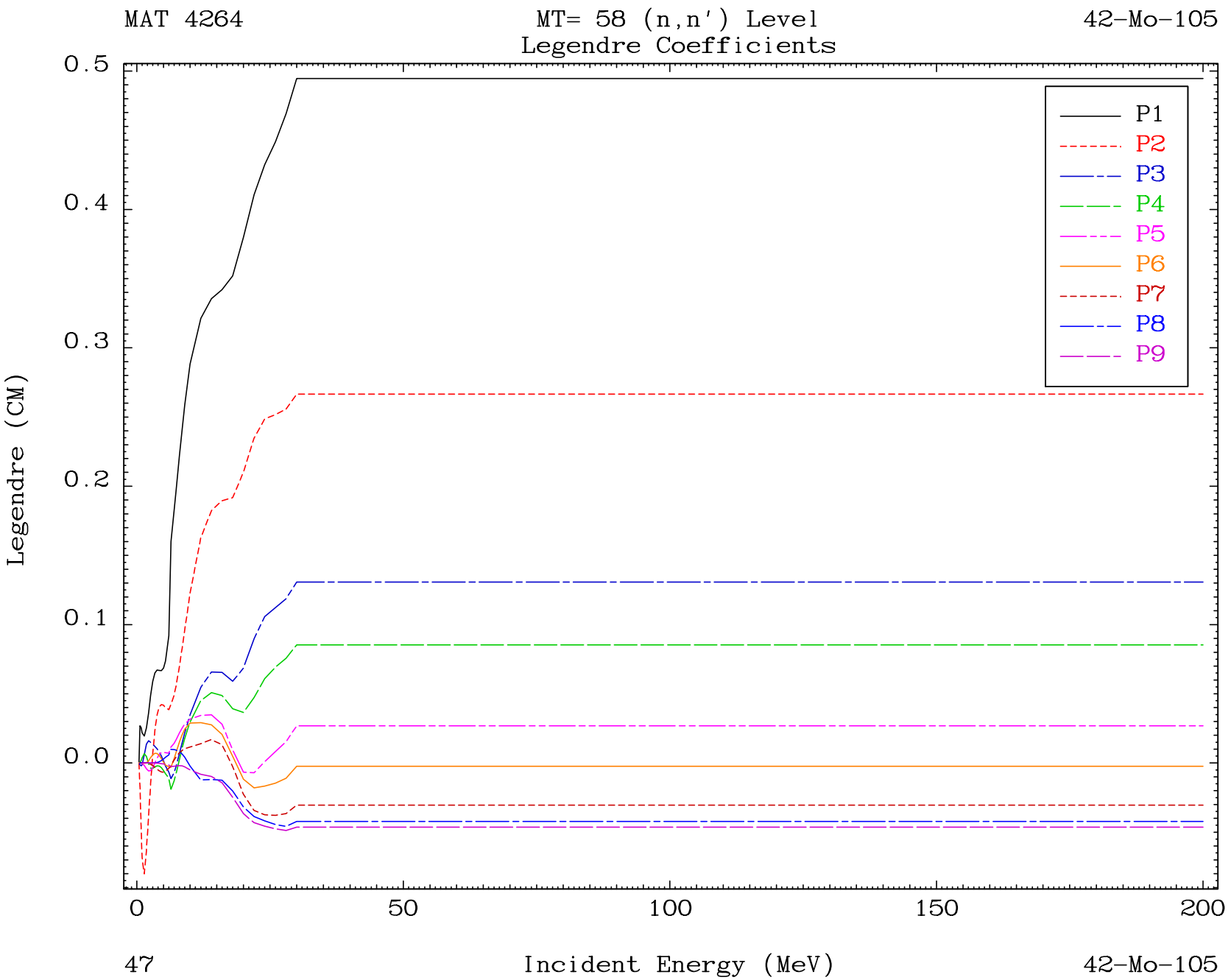

MAT 4264
MT= 56 (n,n') Level
Legendre Coefficients
42-Mo-105
X10 -6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
42
Incident Energy (MeV)
42-Mo-105

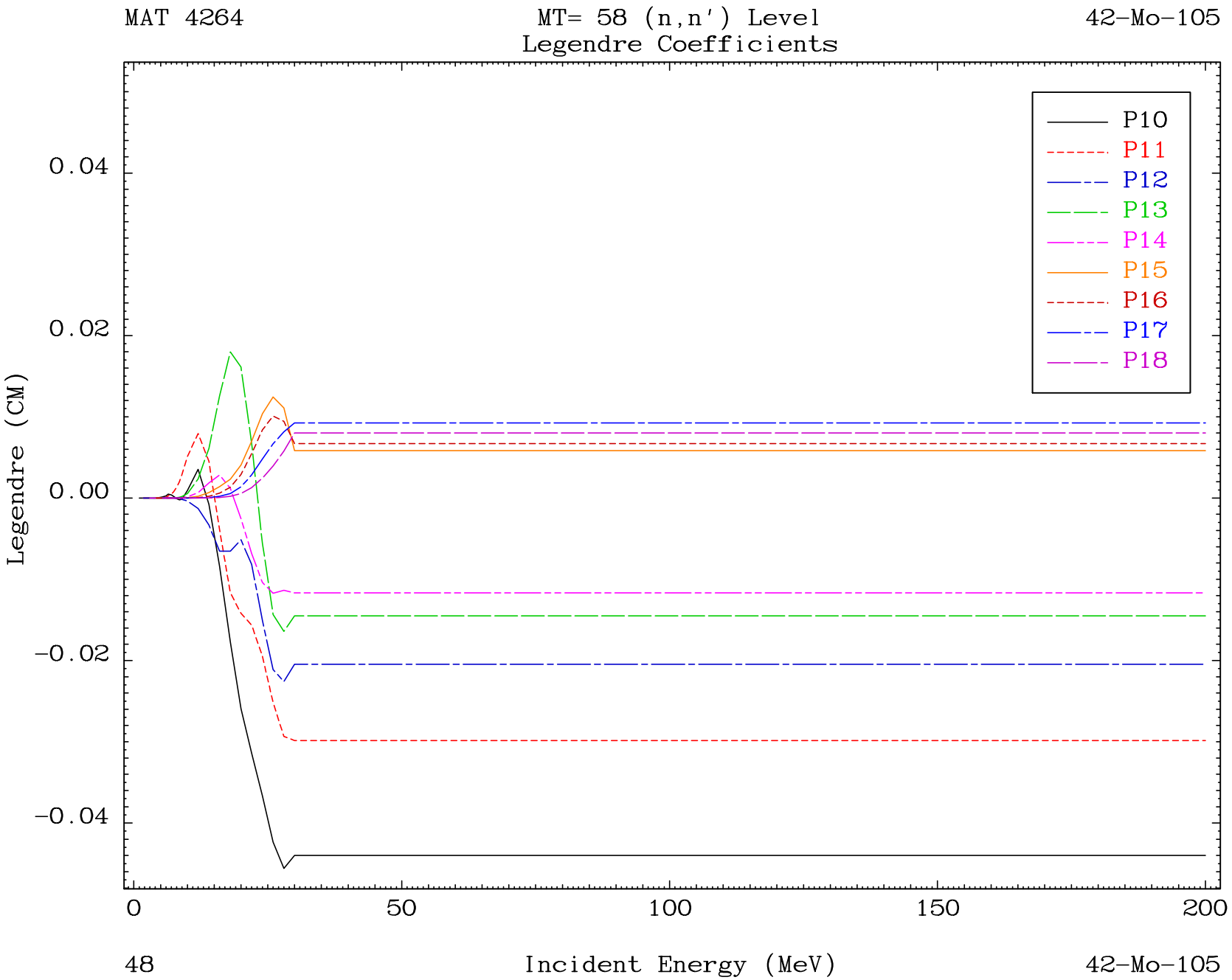

MAT 4264
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
43
Incident Energy (MeV)
42-Mo-105

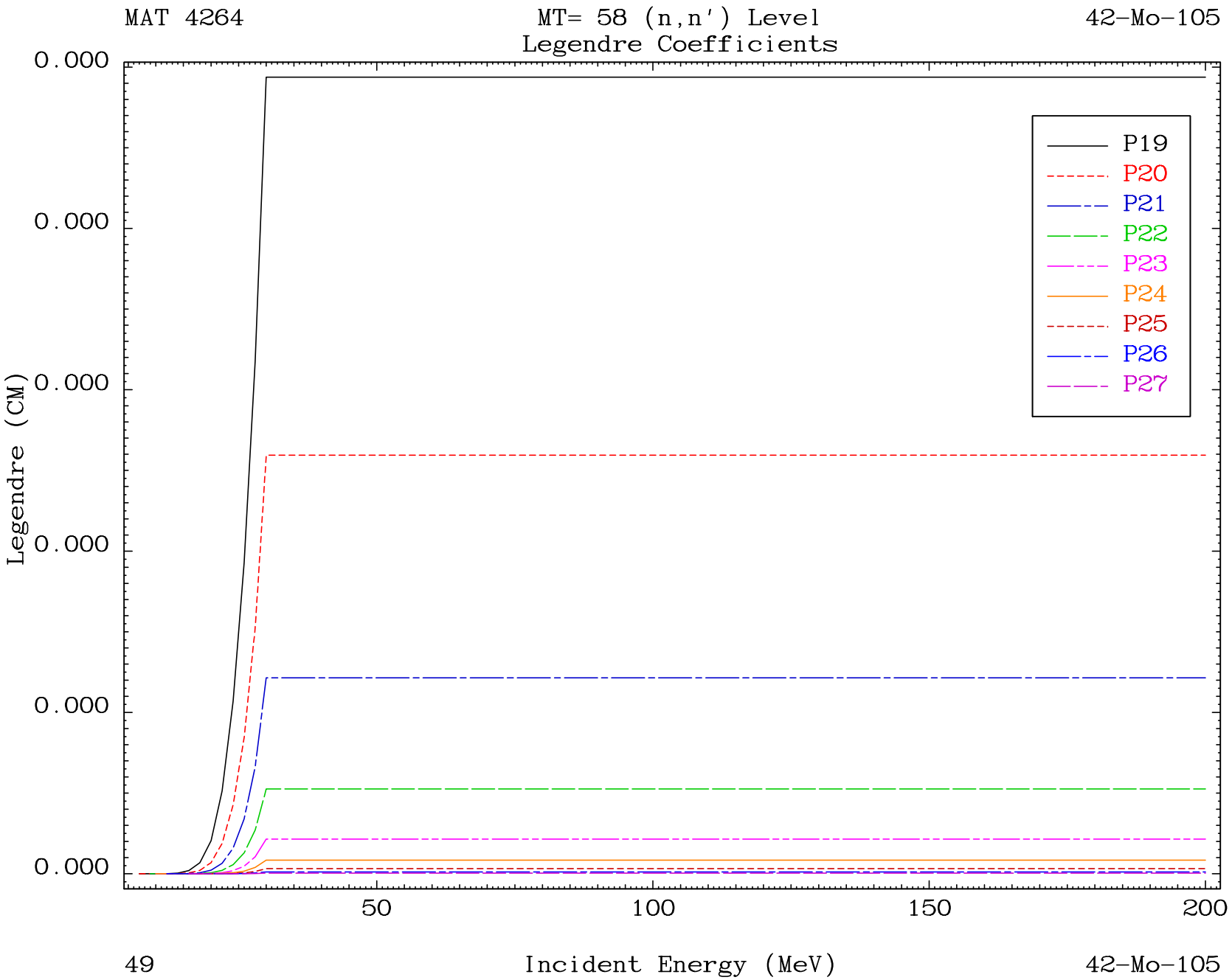

MAT 4264
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
−0.002
−0.003
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
44
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18

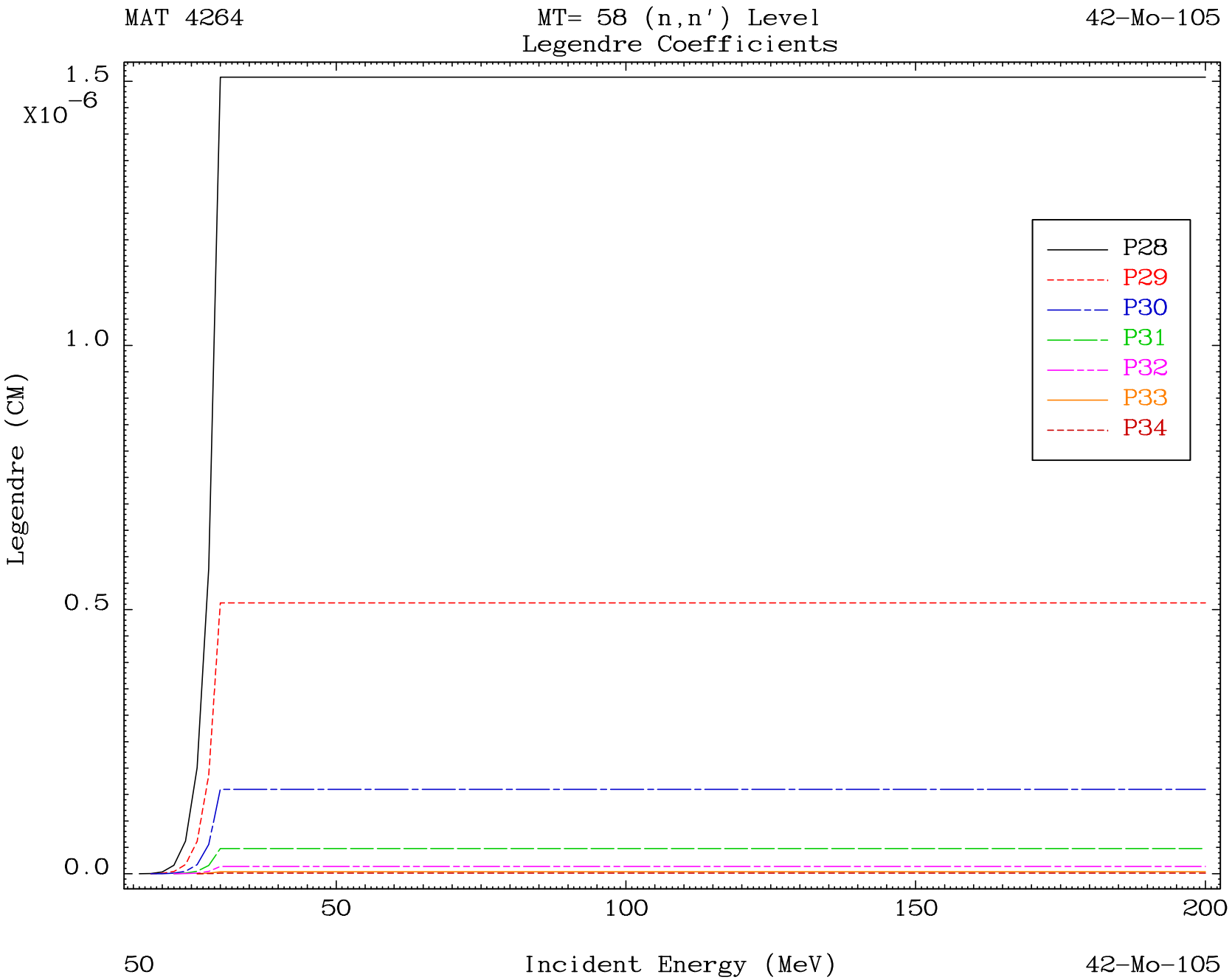

MAT 4264
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-4
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27

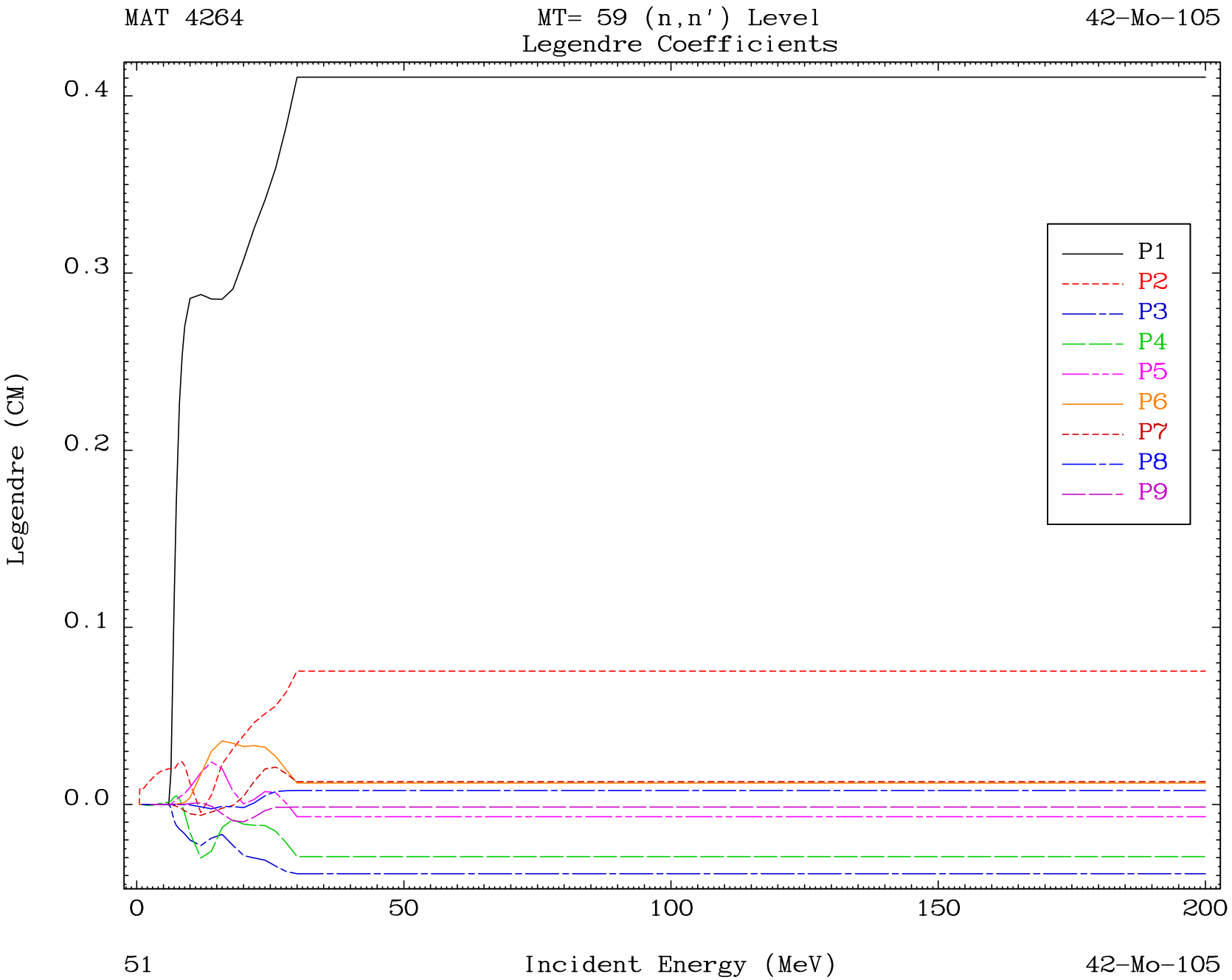

MAT 4264
MT= 57 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
46
Incident Energy (MeV)
42-Mo-105

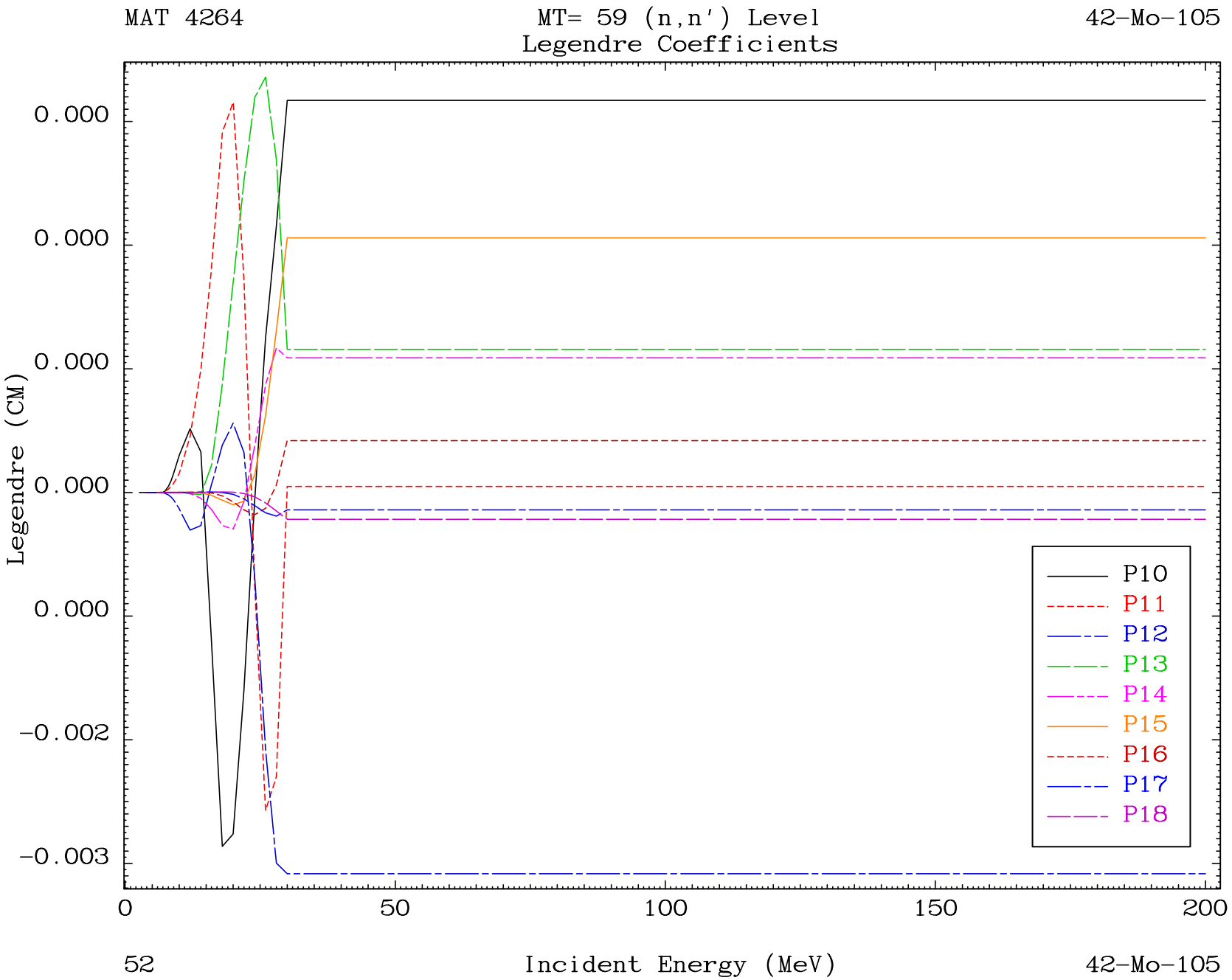

MAT 4264
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
47
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9

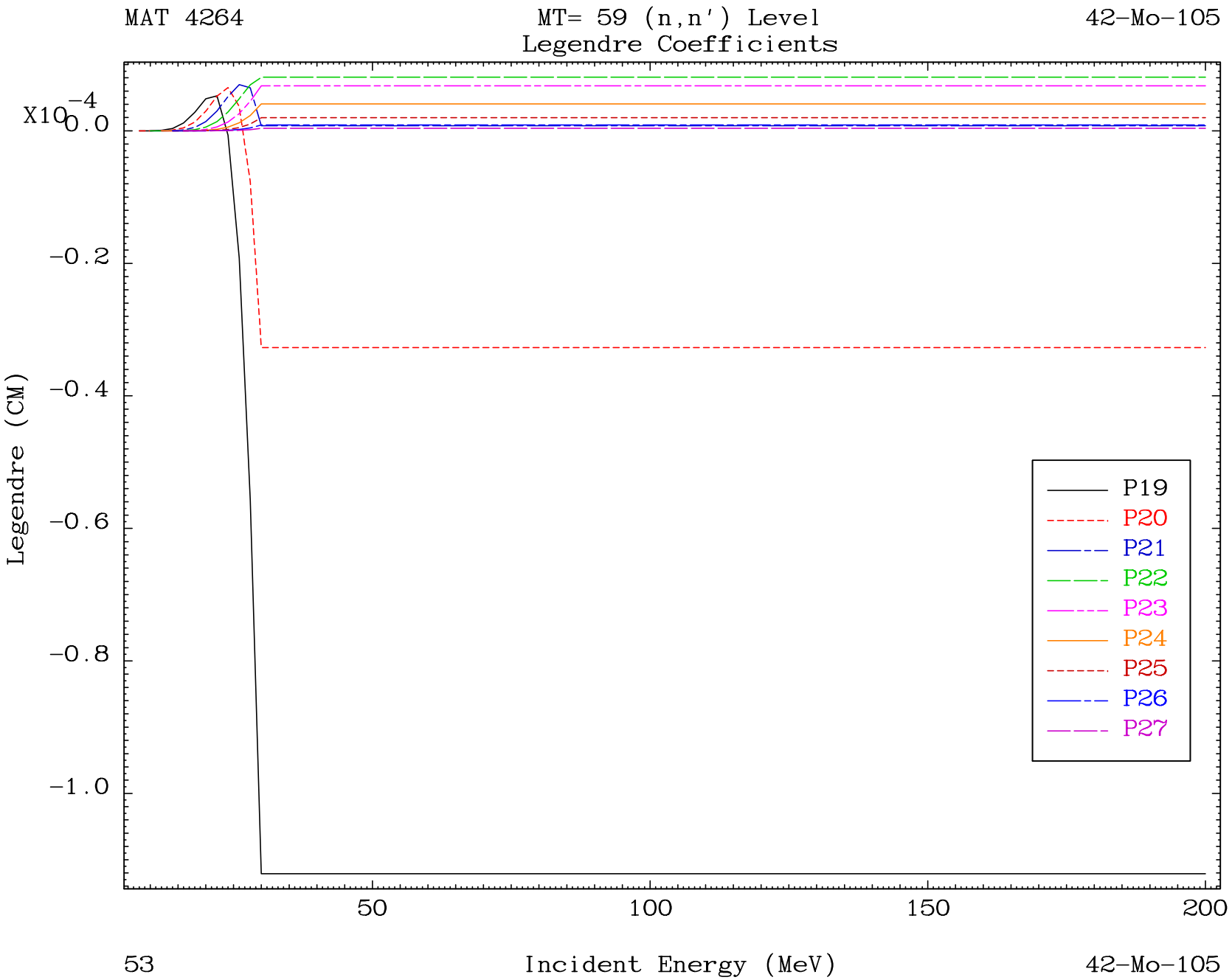

MAT 4264
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
42-Mo-105

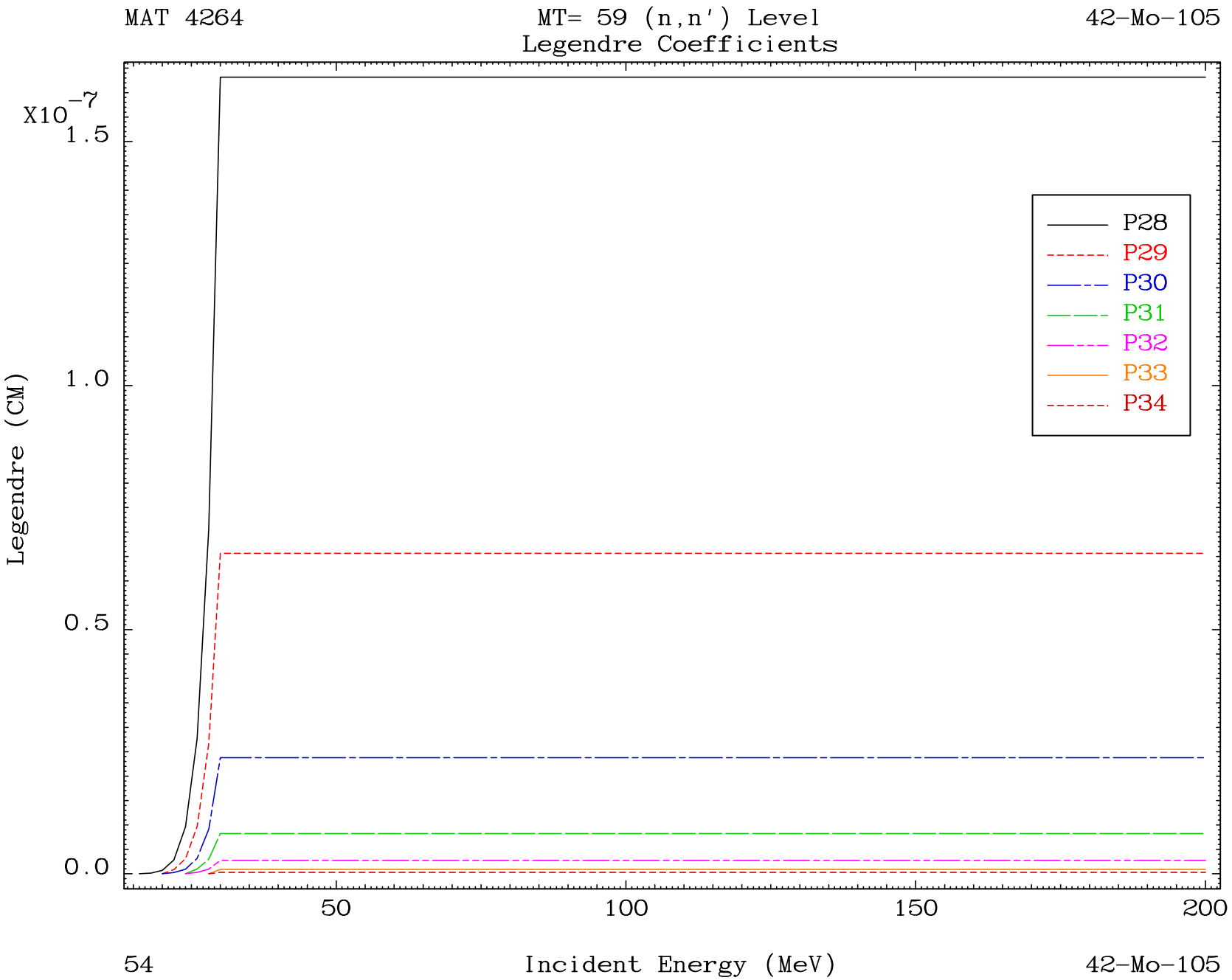

MAT 4264
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
49
Incident Energy (MeV)
42-Mo-105

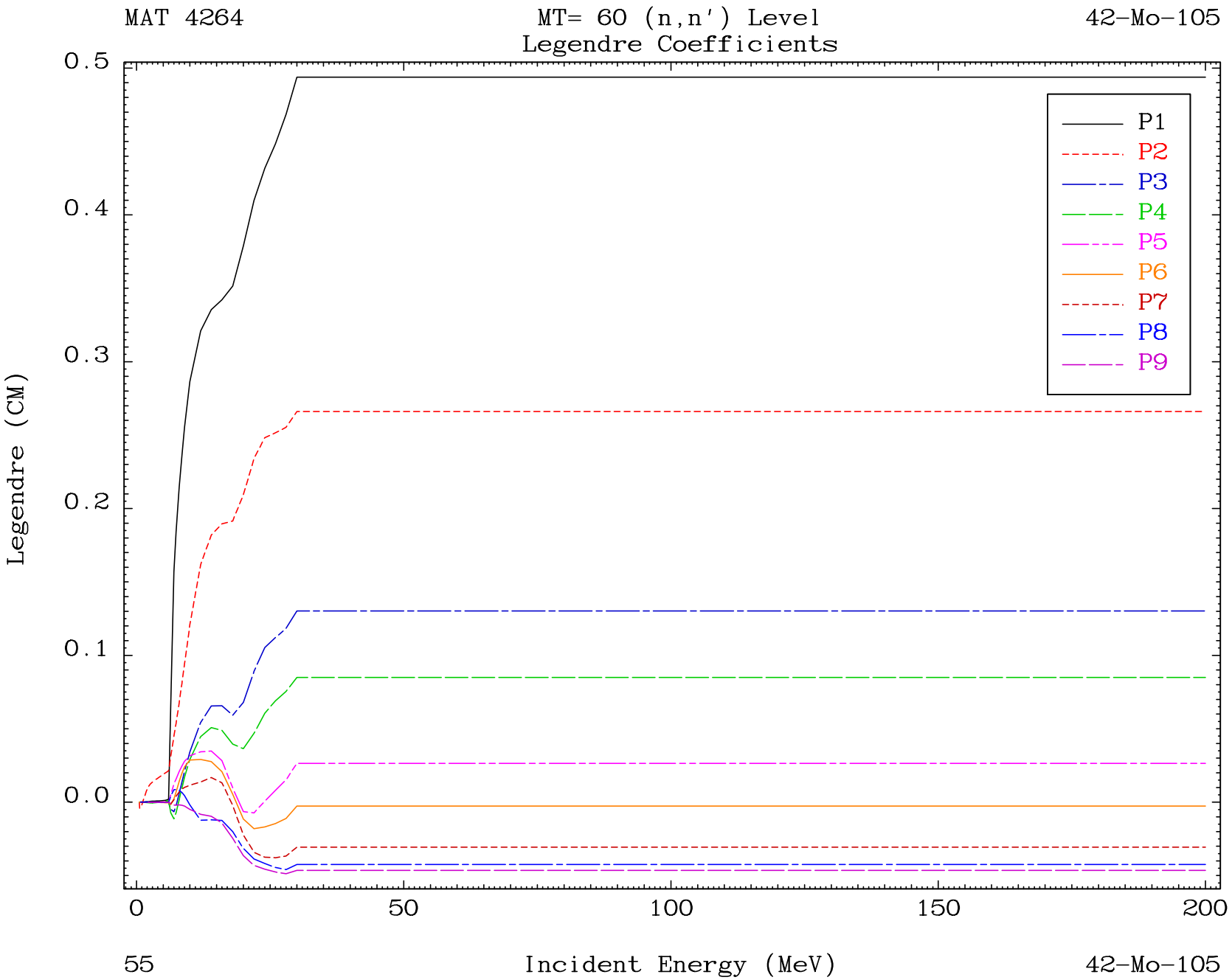

MAT 4264
MT= 58 (n,n') Level
Legendre Coefficients
42-Mo-105
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
50
Incident Energy (MeV)
42-Mo-105

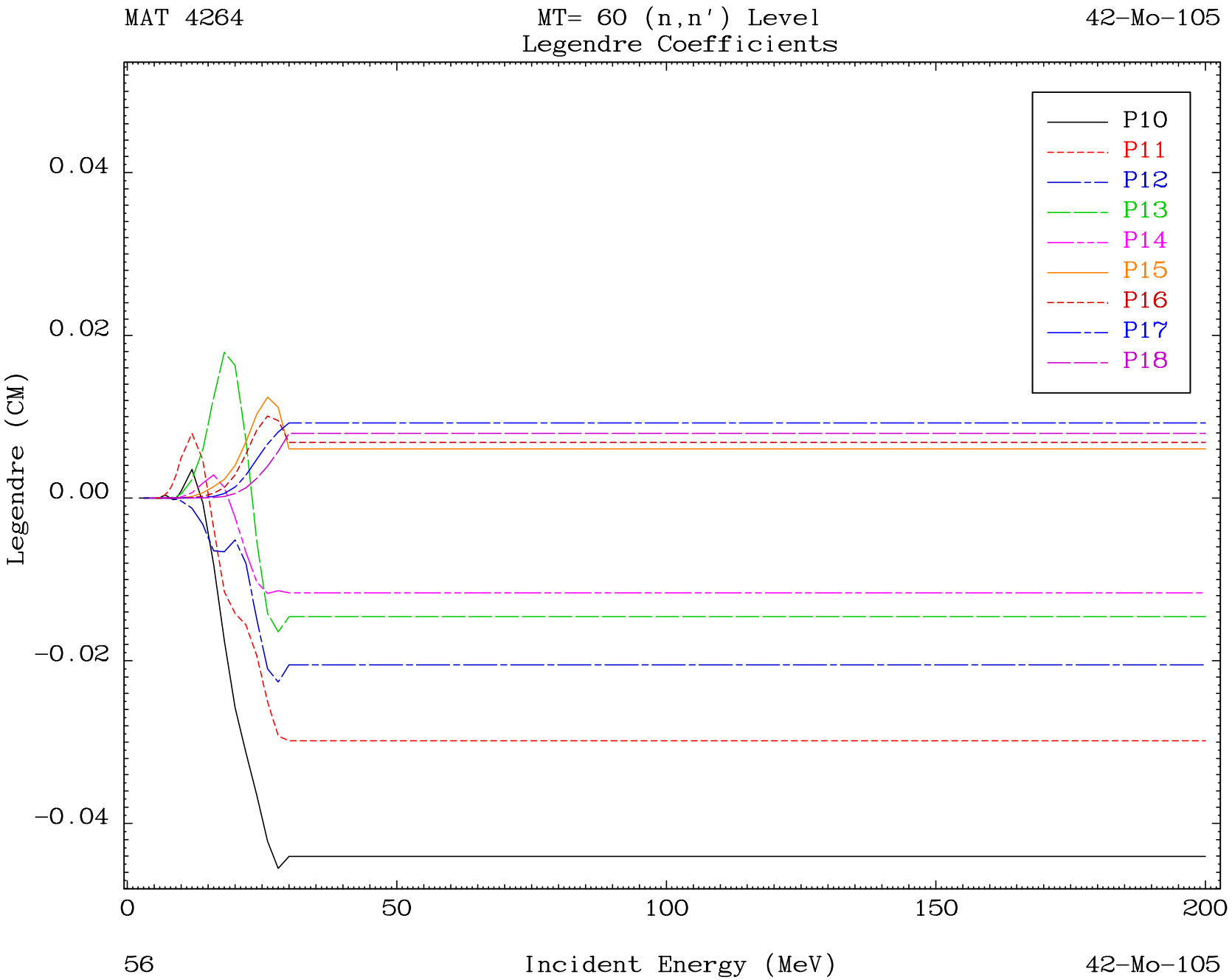

MAT 4264
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
51
Incident Energy (MeV)
42-Mo-105

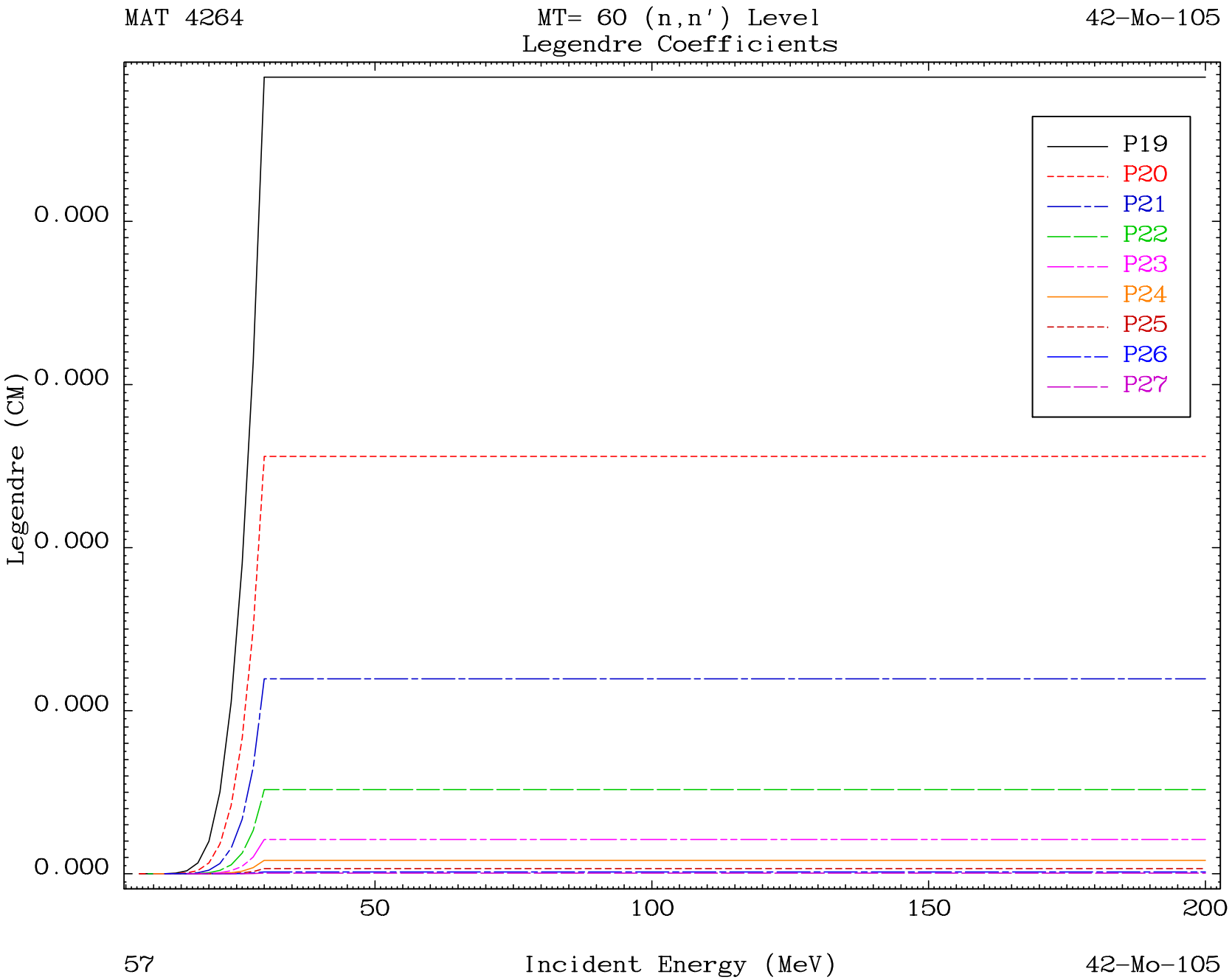

MAT 4264
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18

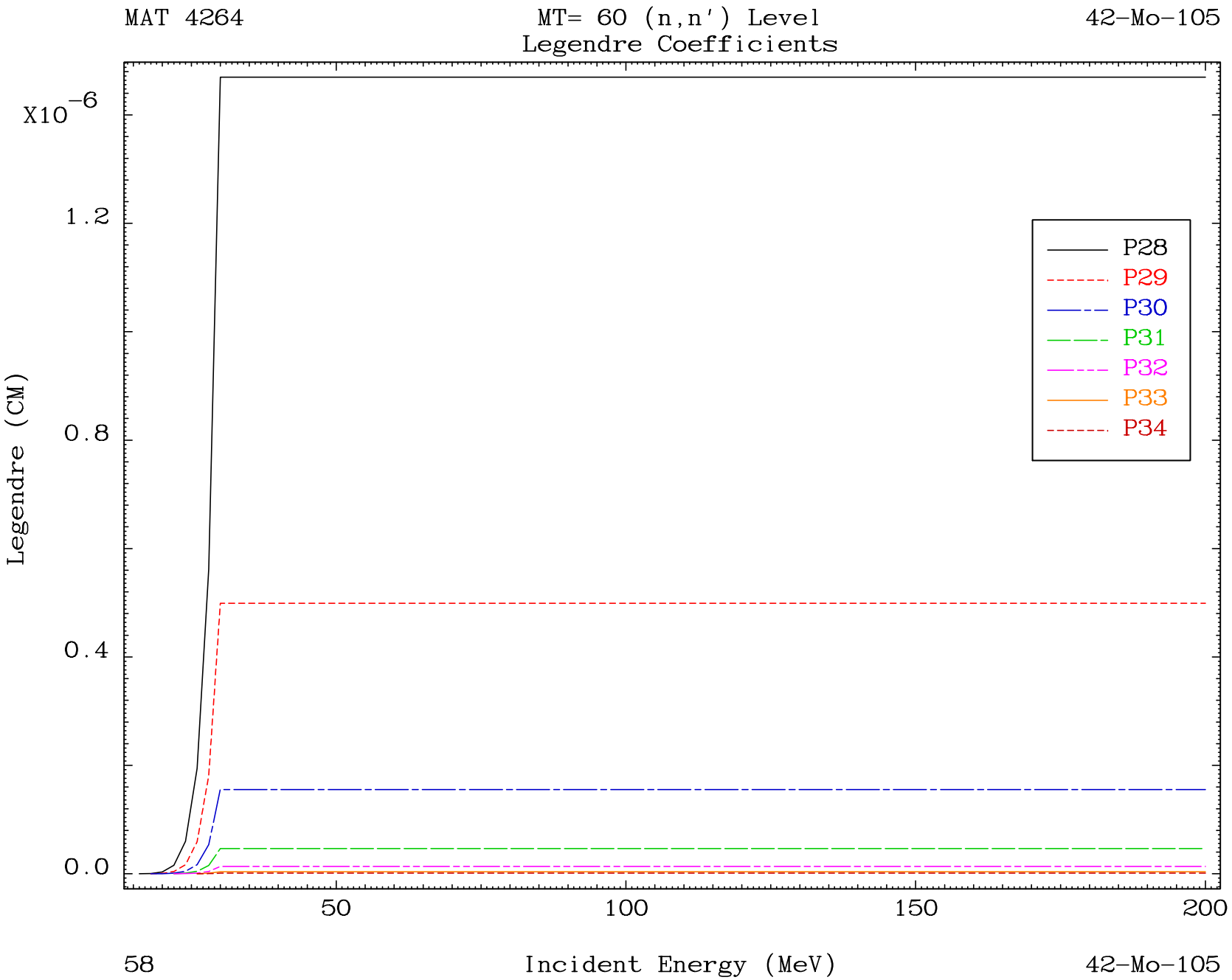

MAT 4264
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-4
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
53
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27

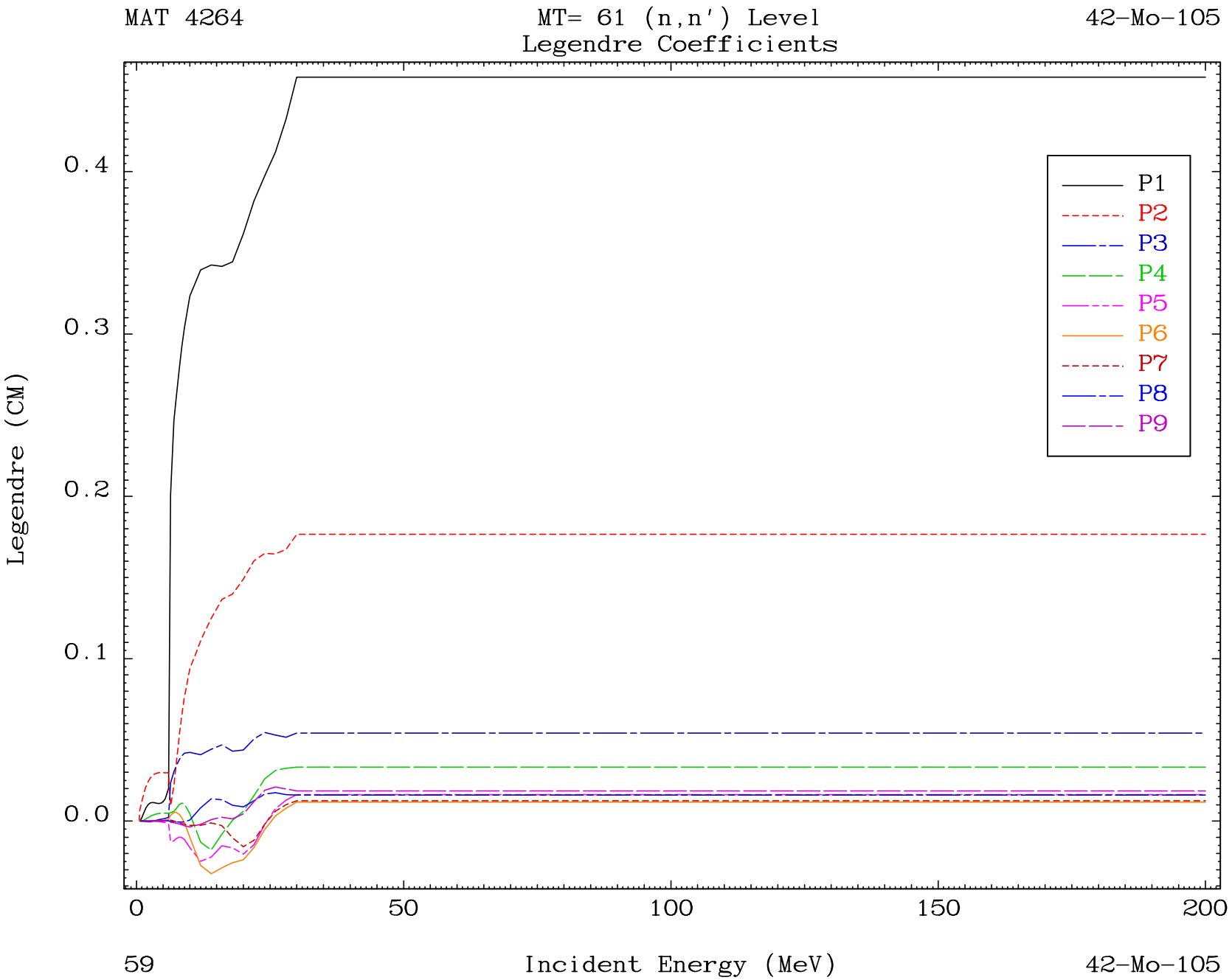

MAT 4264
MT= 59 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
54
Incident Energy (MeV)
42-Mo-105

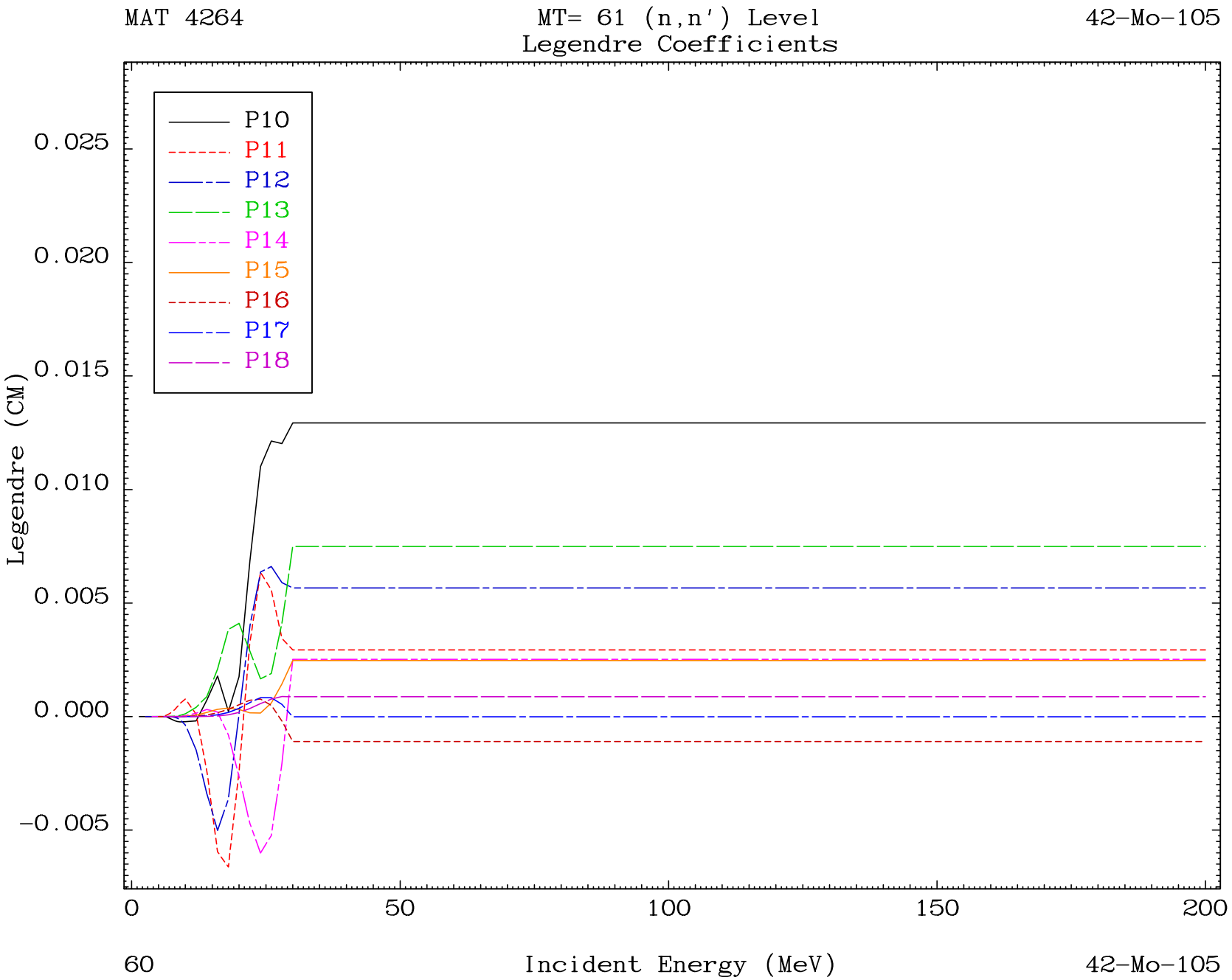

MAT 4264
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-105
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
55
Incident Energy (MeV)
42-Mo-105

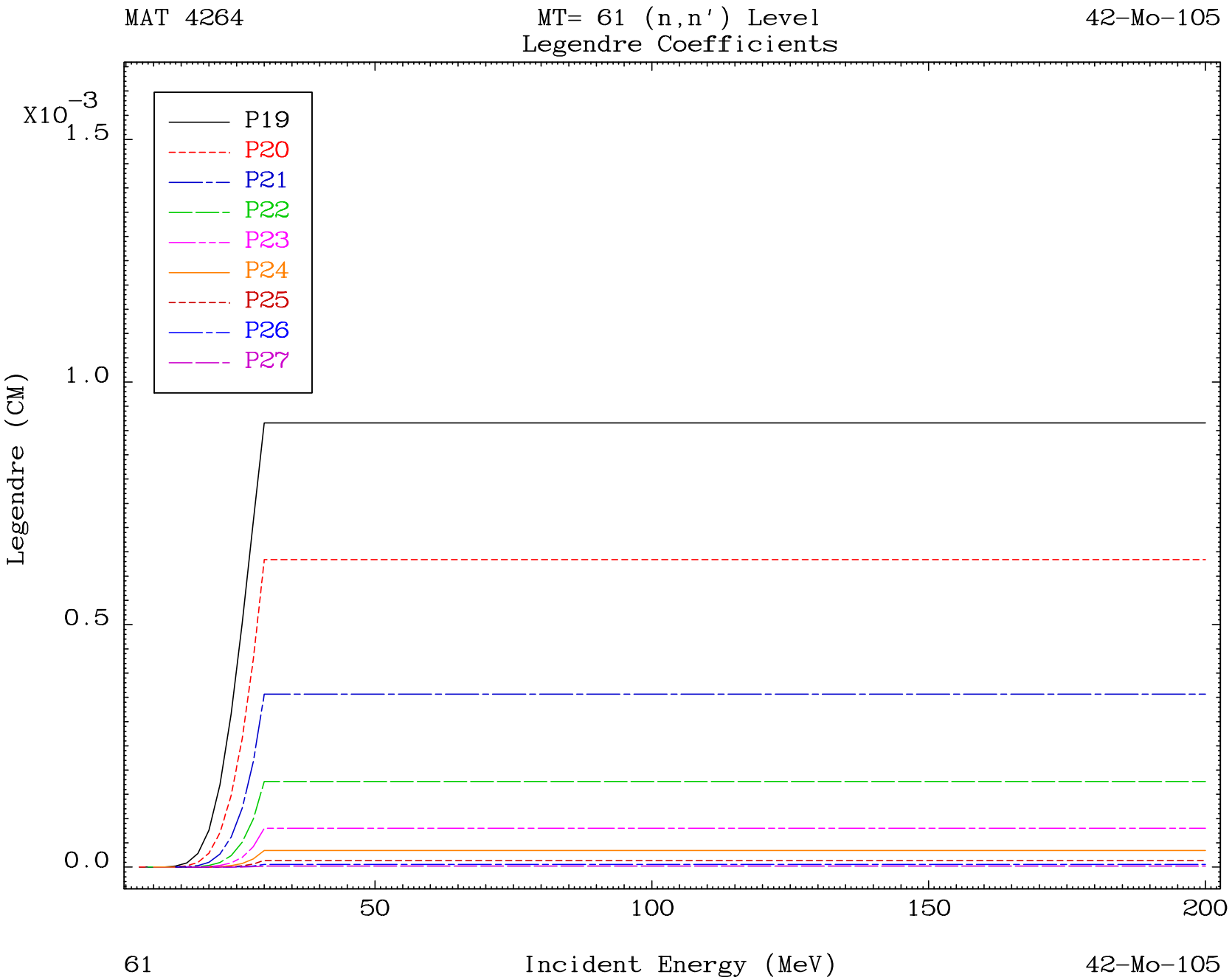

MAT 4264
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
56
Incident Energy (MeV)
42-Mo-105

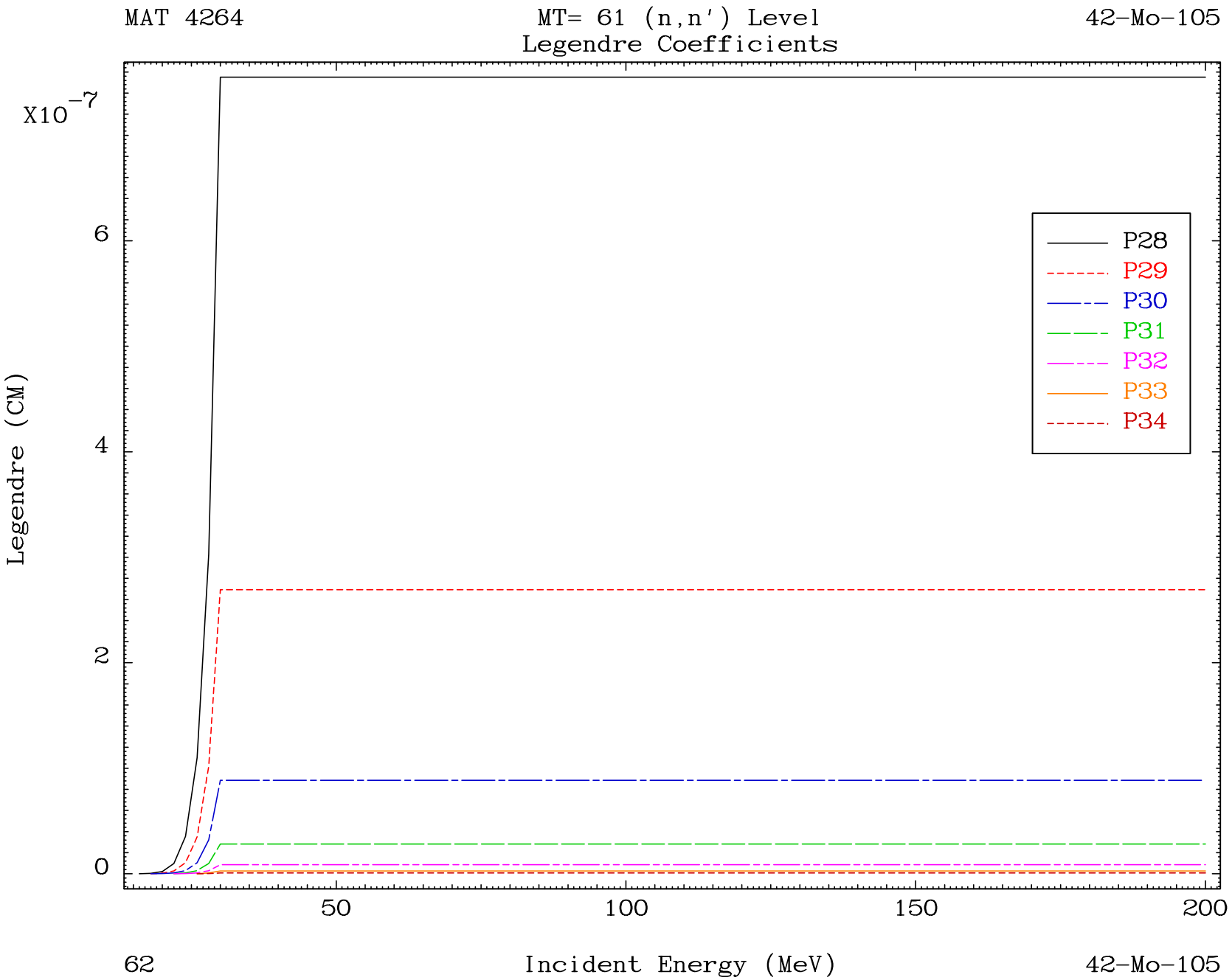

MAT 4264
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
42-Mo-105

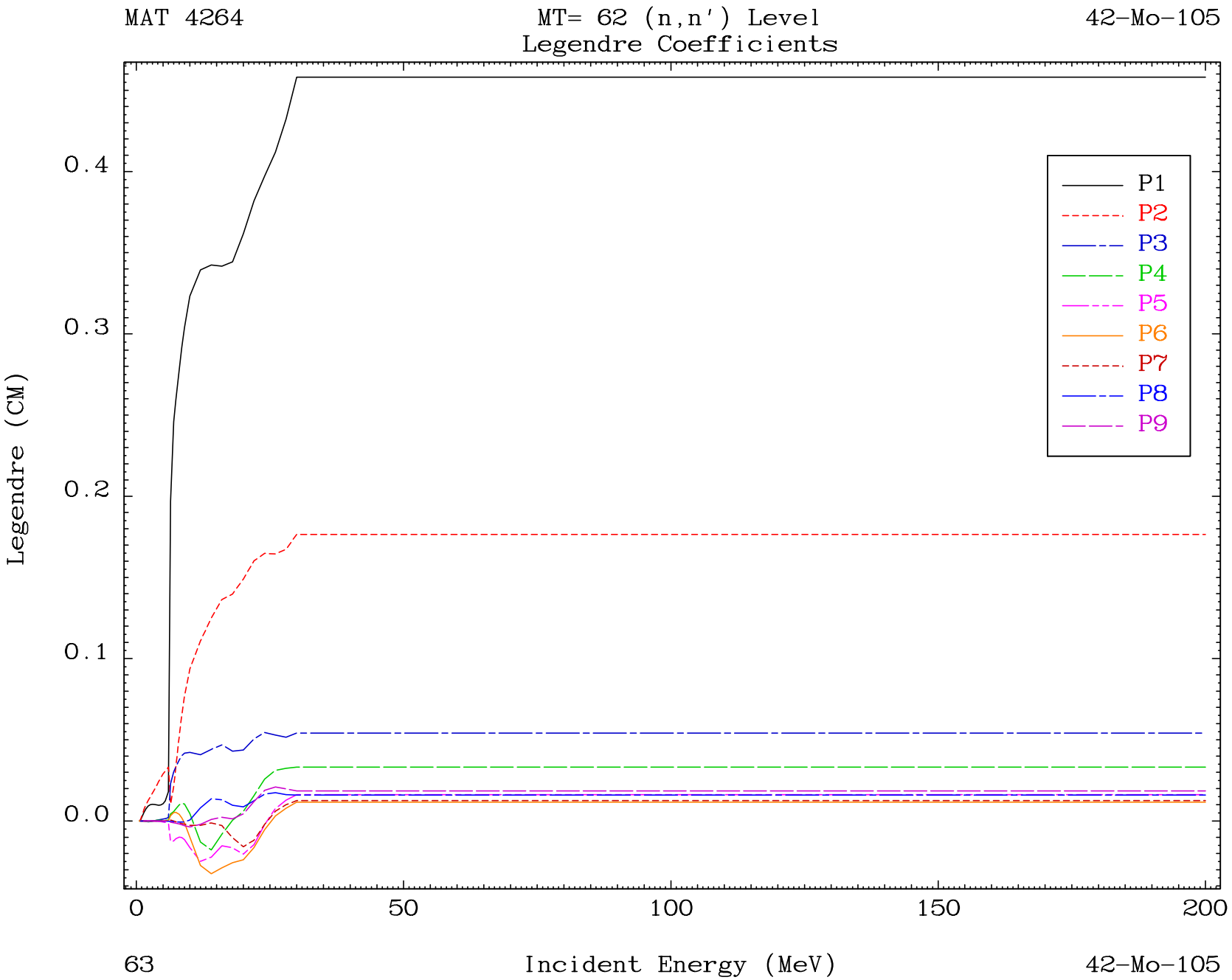

MAT 4264
MT= 60 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
58
Incident Energy (MeV)
42-Mo-105

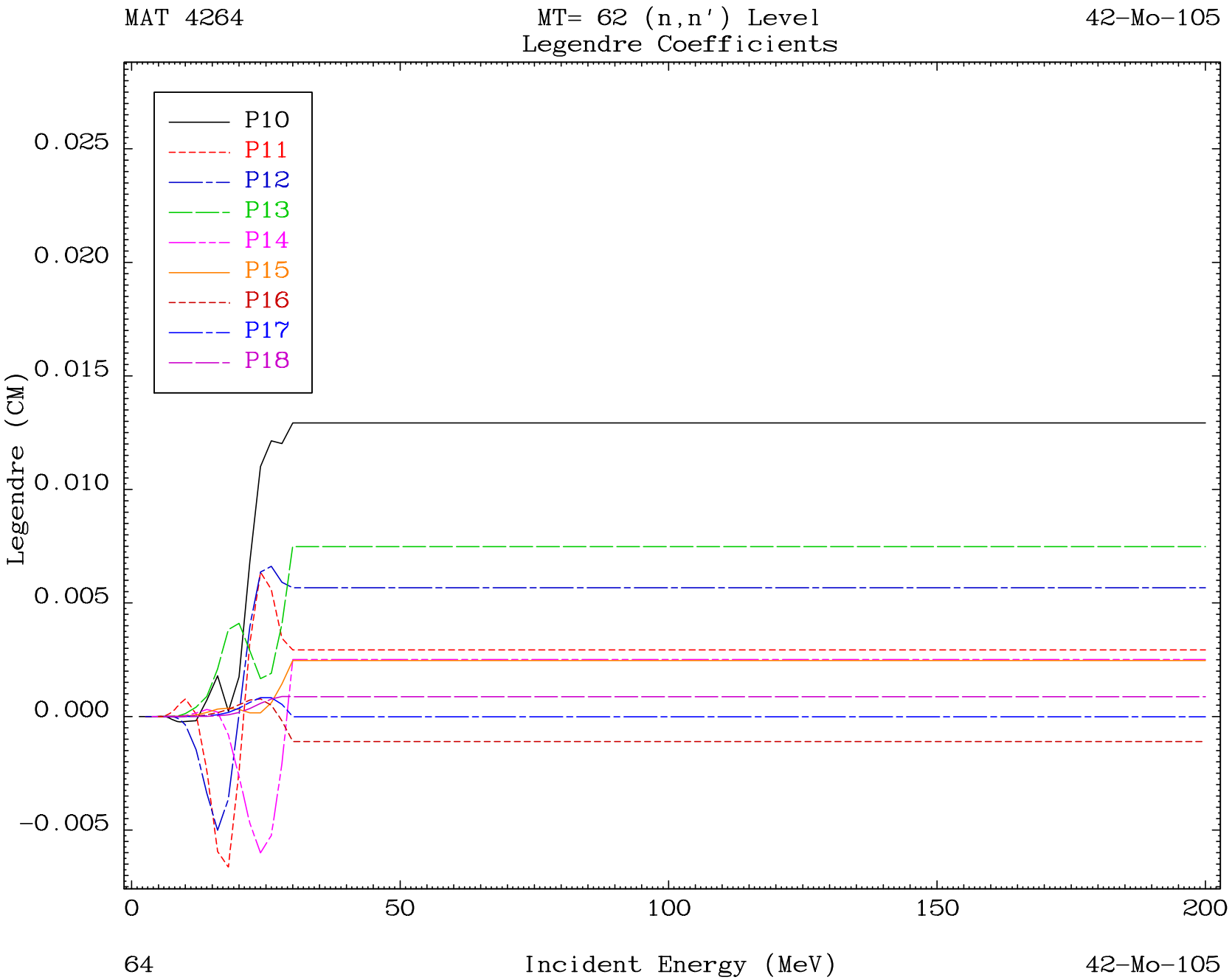

MAT 4264
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
59
Incident Energy (MeV)
42-Mo-105

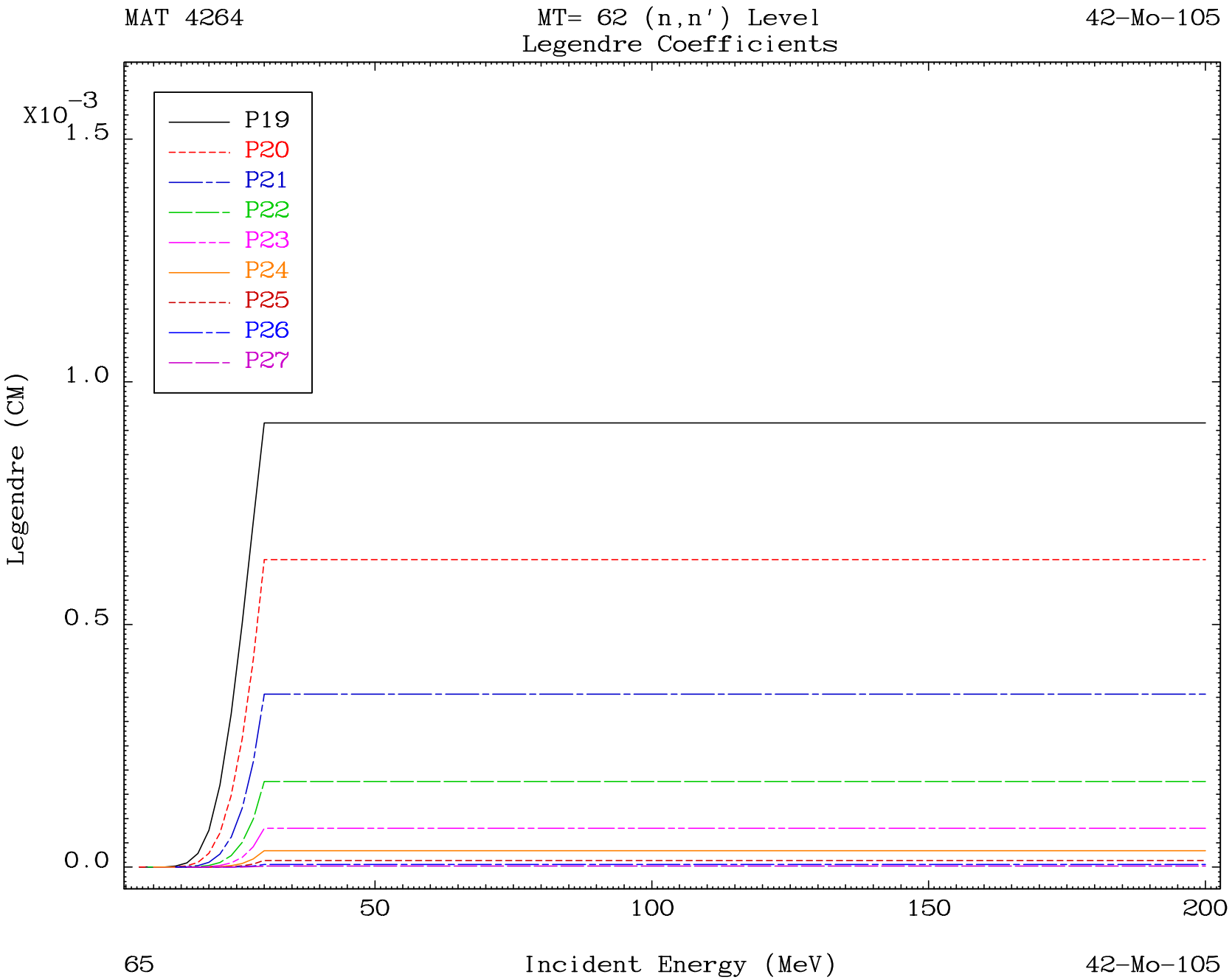

MAT 4264
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
60
Incident Energy (MeV)
42-Mo-105

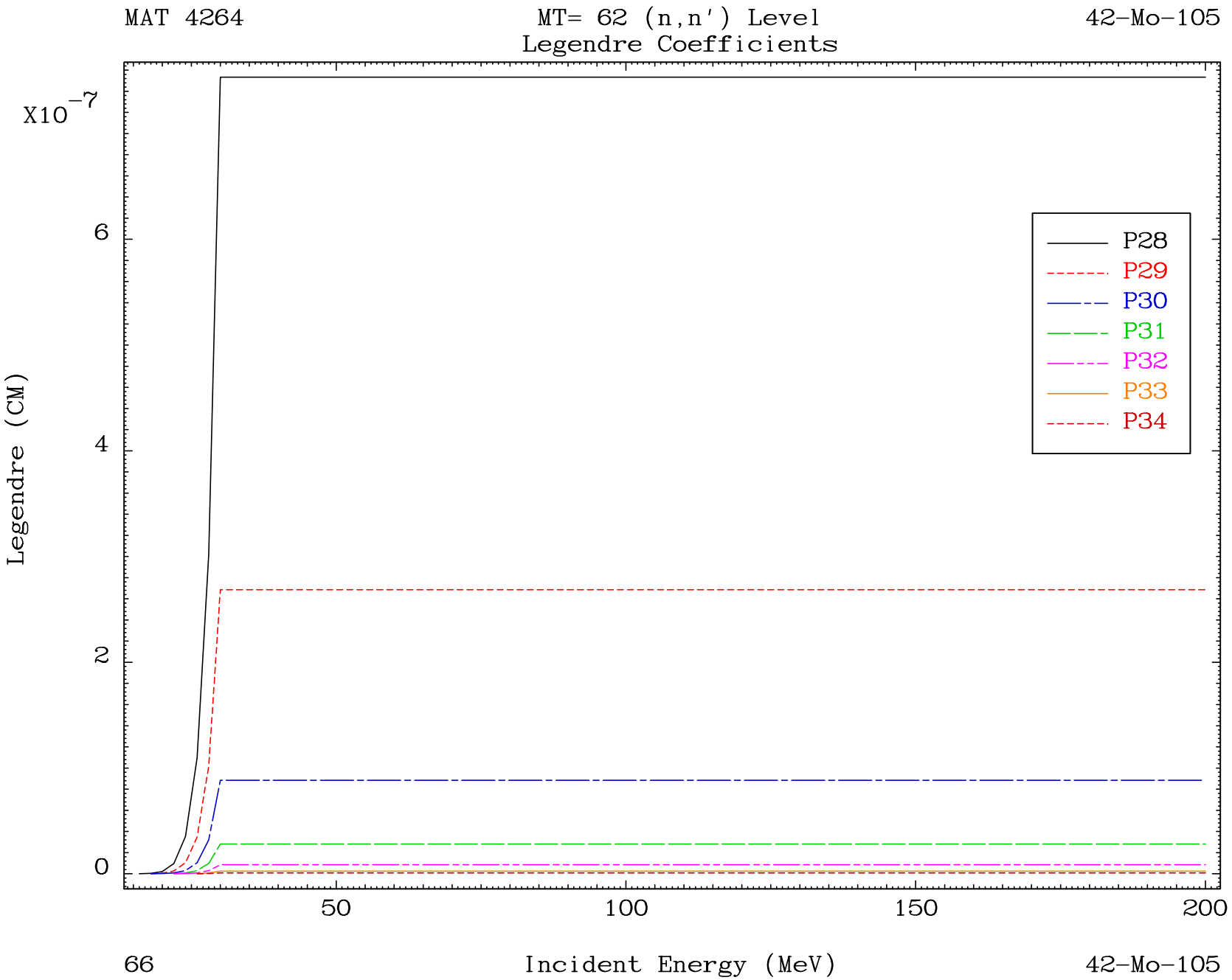

MAT 4264
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
61
Incident Energy (MeV)
42-Mo-105

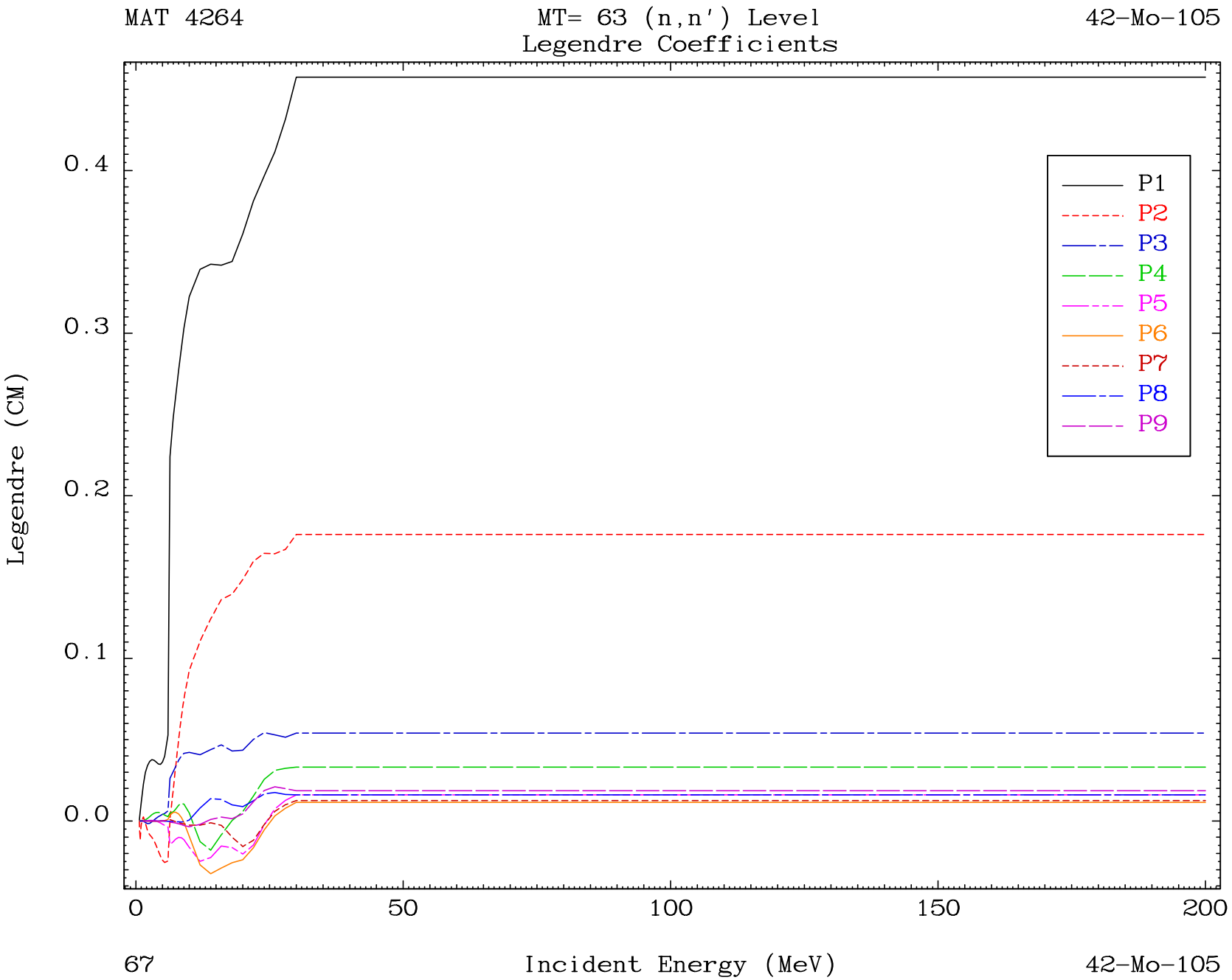

MAT 4264
MT= 61 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
62
Incident Energy (MeV)
42-Mo-105

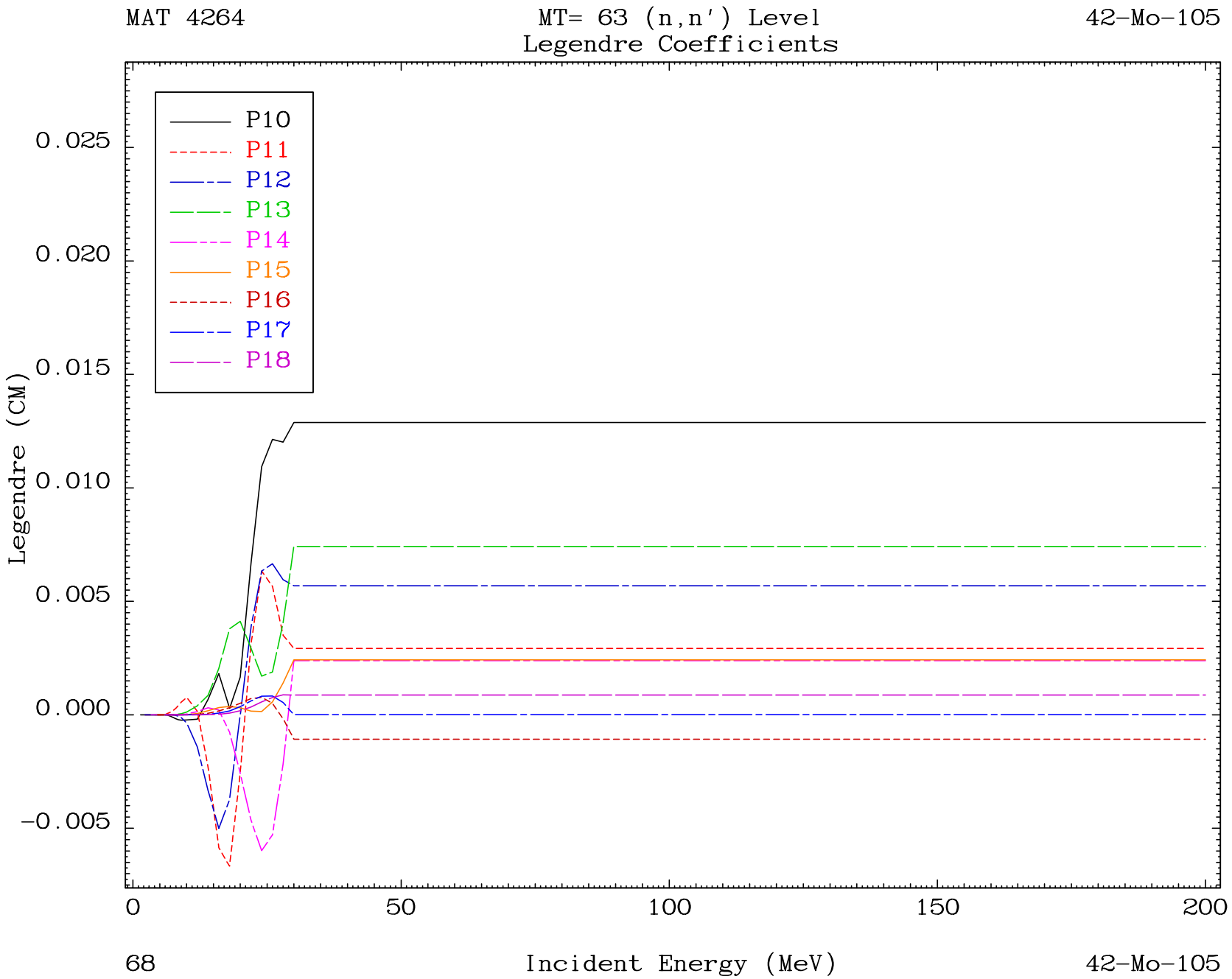

MAT 4264
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
63
Incident Energy (MeV)
42-Mo-105

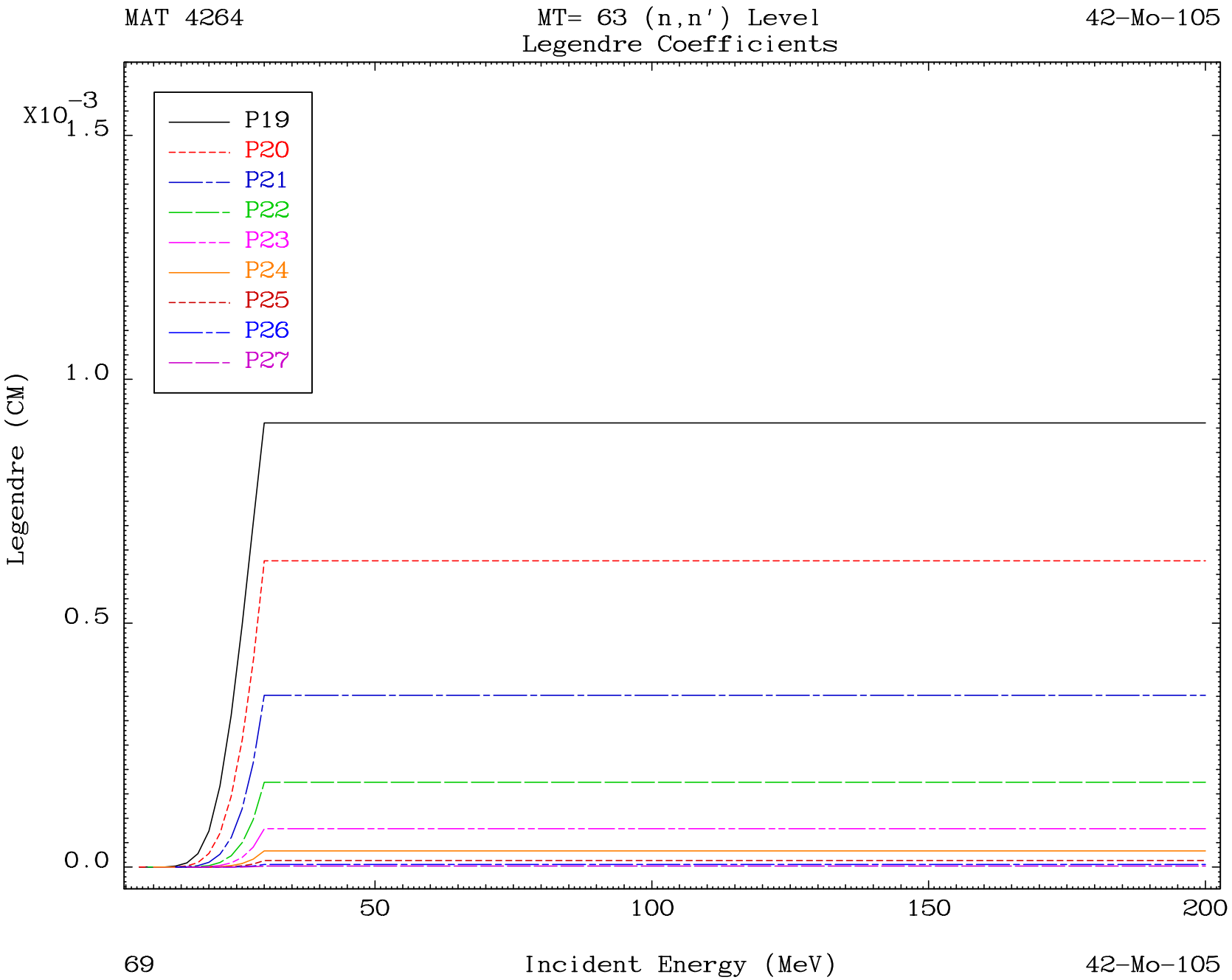

MAT 4264
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
64
Incident Energy (MeV)
42-Mo-105

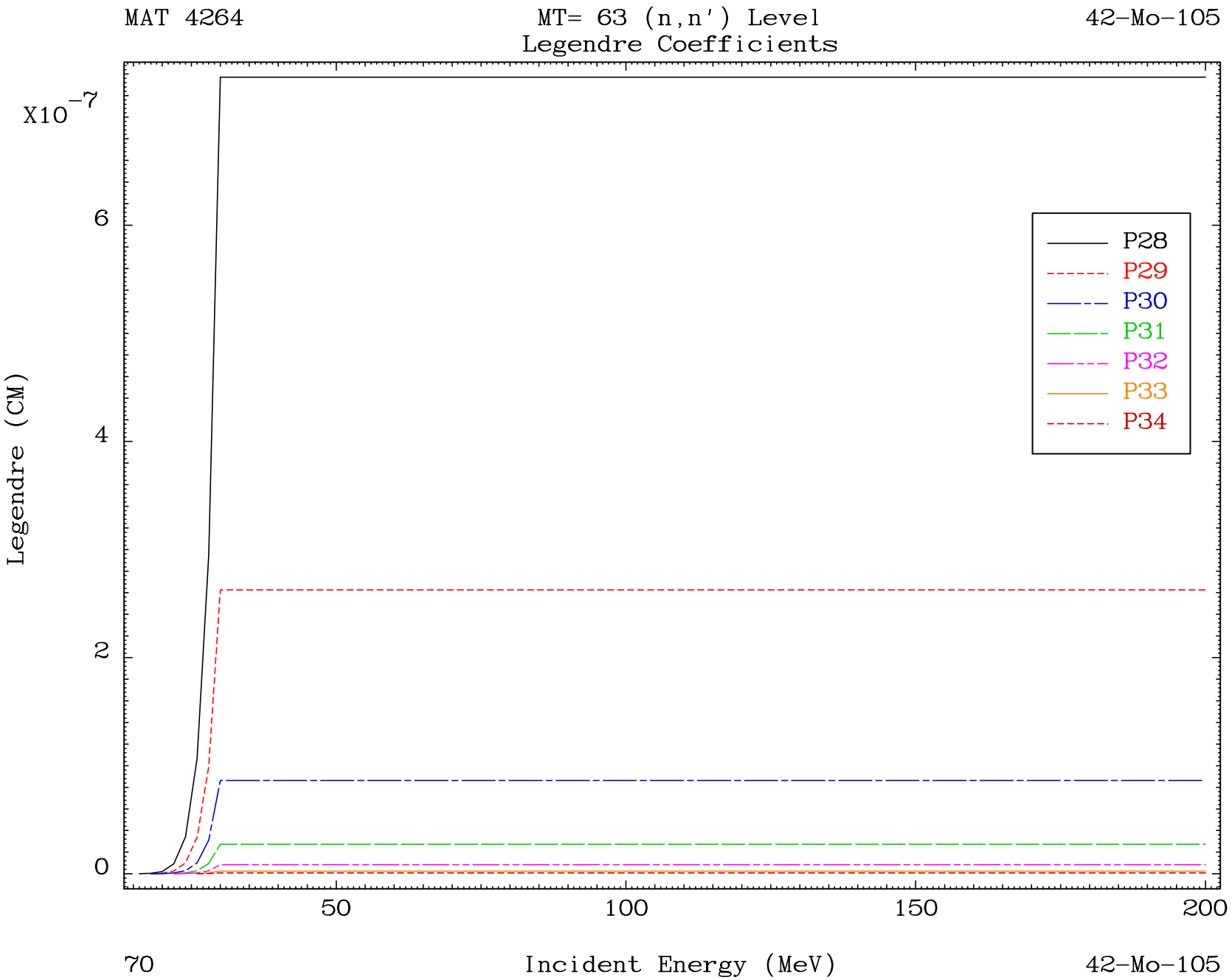

MAT 4264
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
65
Incident Energy (MeV)
42-Mo-105

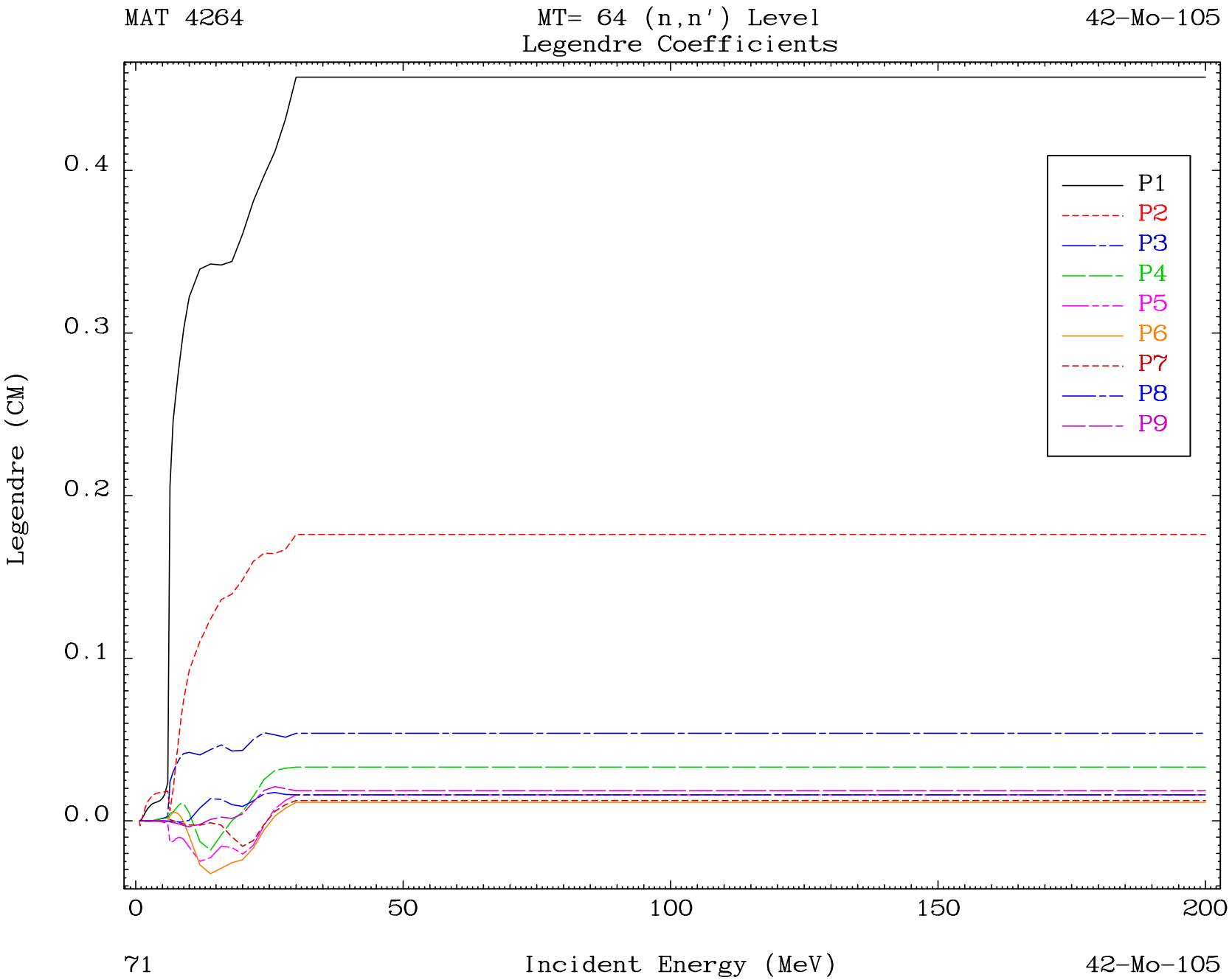

MAT 4264
MT= 62 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
66
Incident Energy (MeV)
42-Mo-105

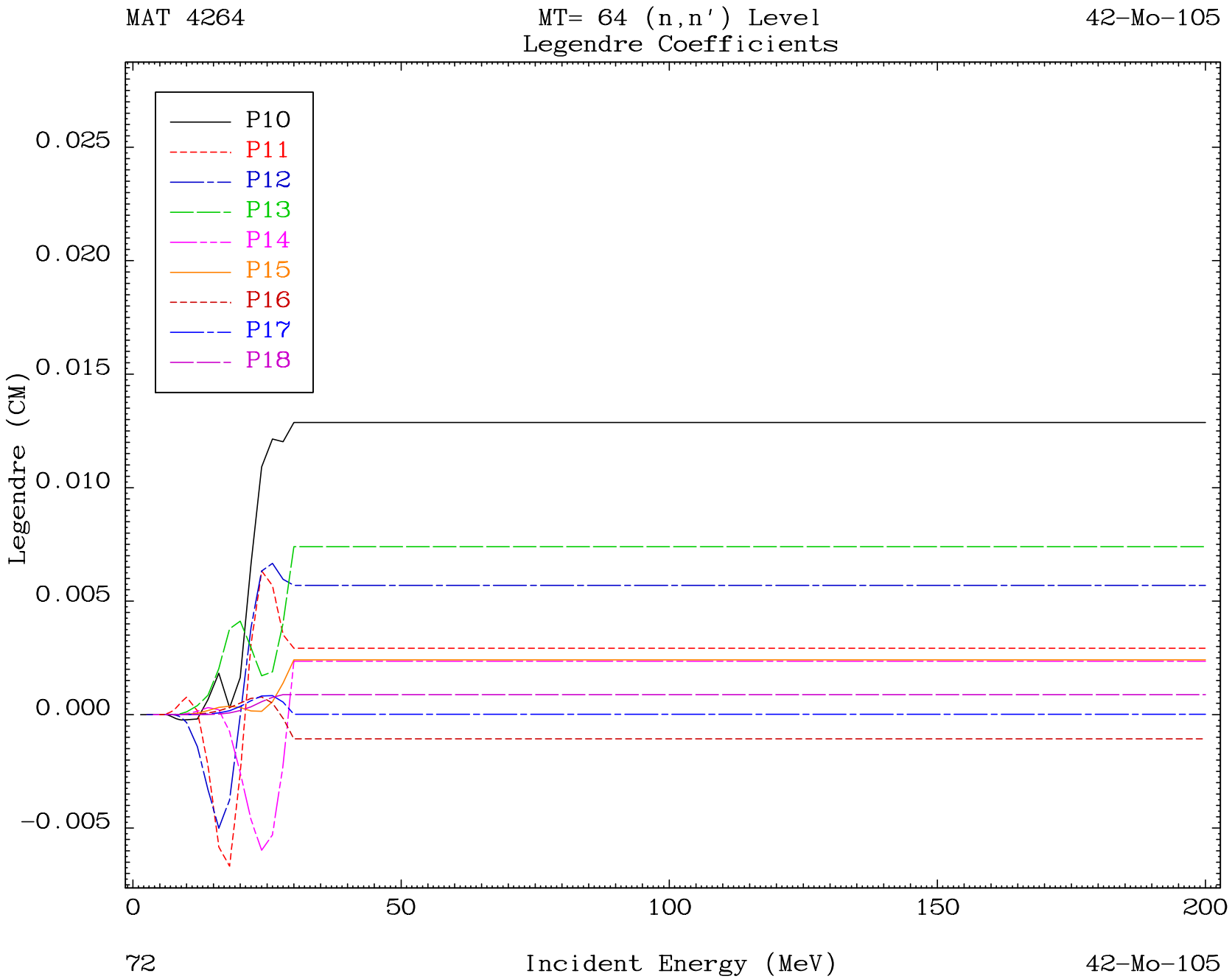

MAT 4264
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
67
Incident Energy (MeV)
42-Mo-105

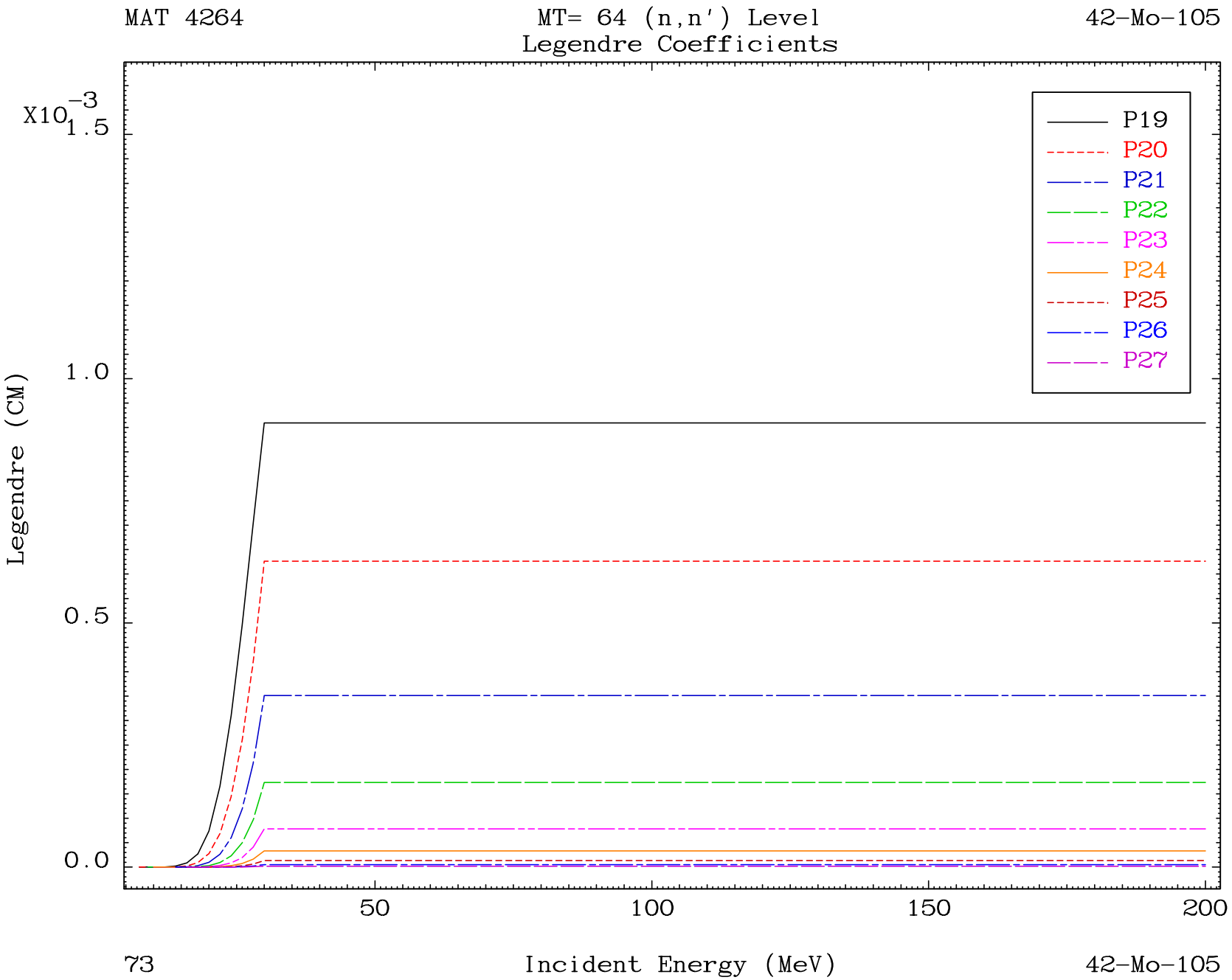

MAT 4264
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
68
Incident Energy (MeV)
42-Mo-105

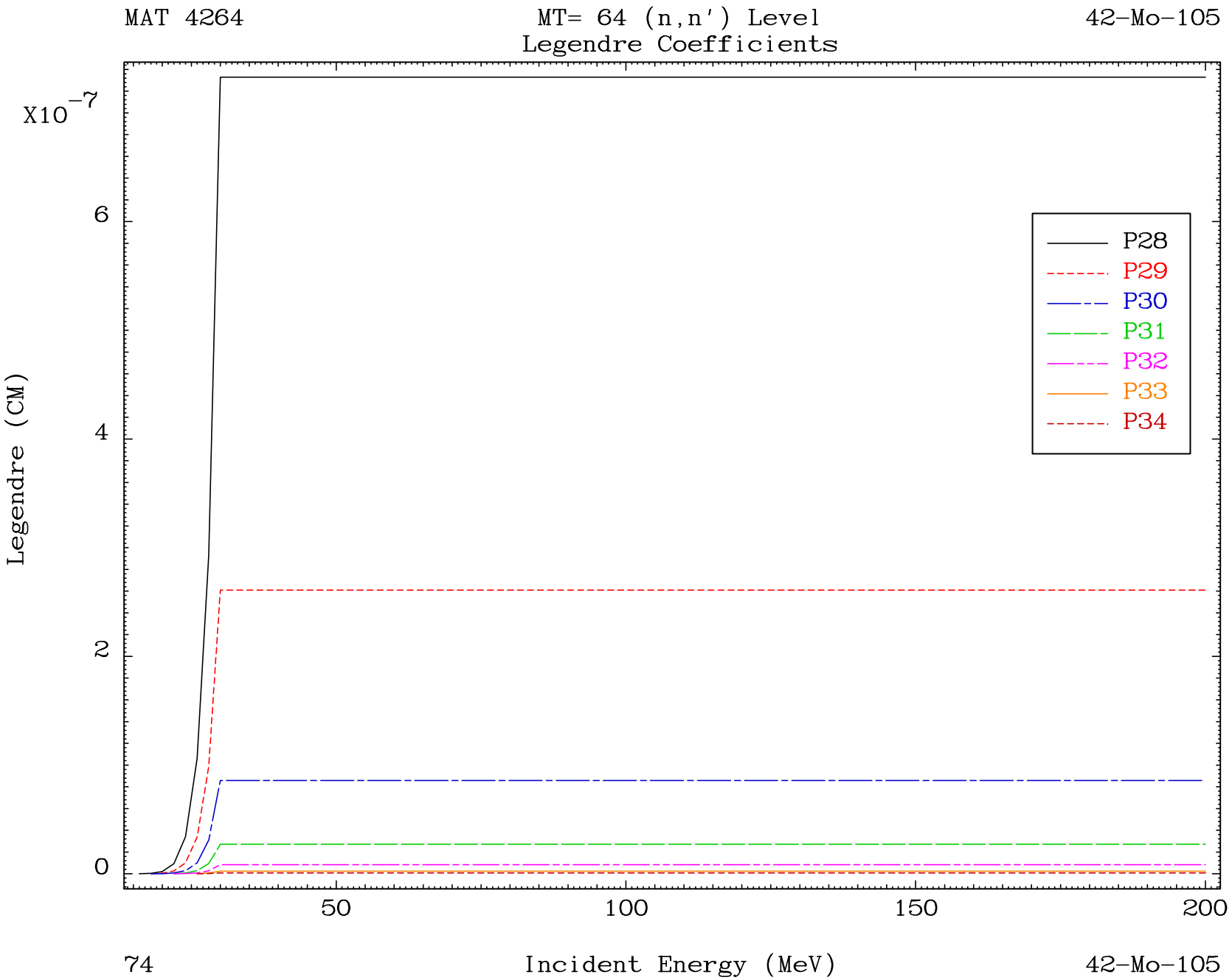

MAT 4264
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
69
Incident Energy (MeV)
42-Mo-105

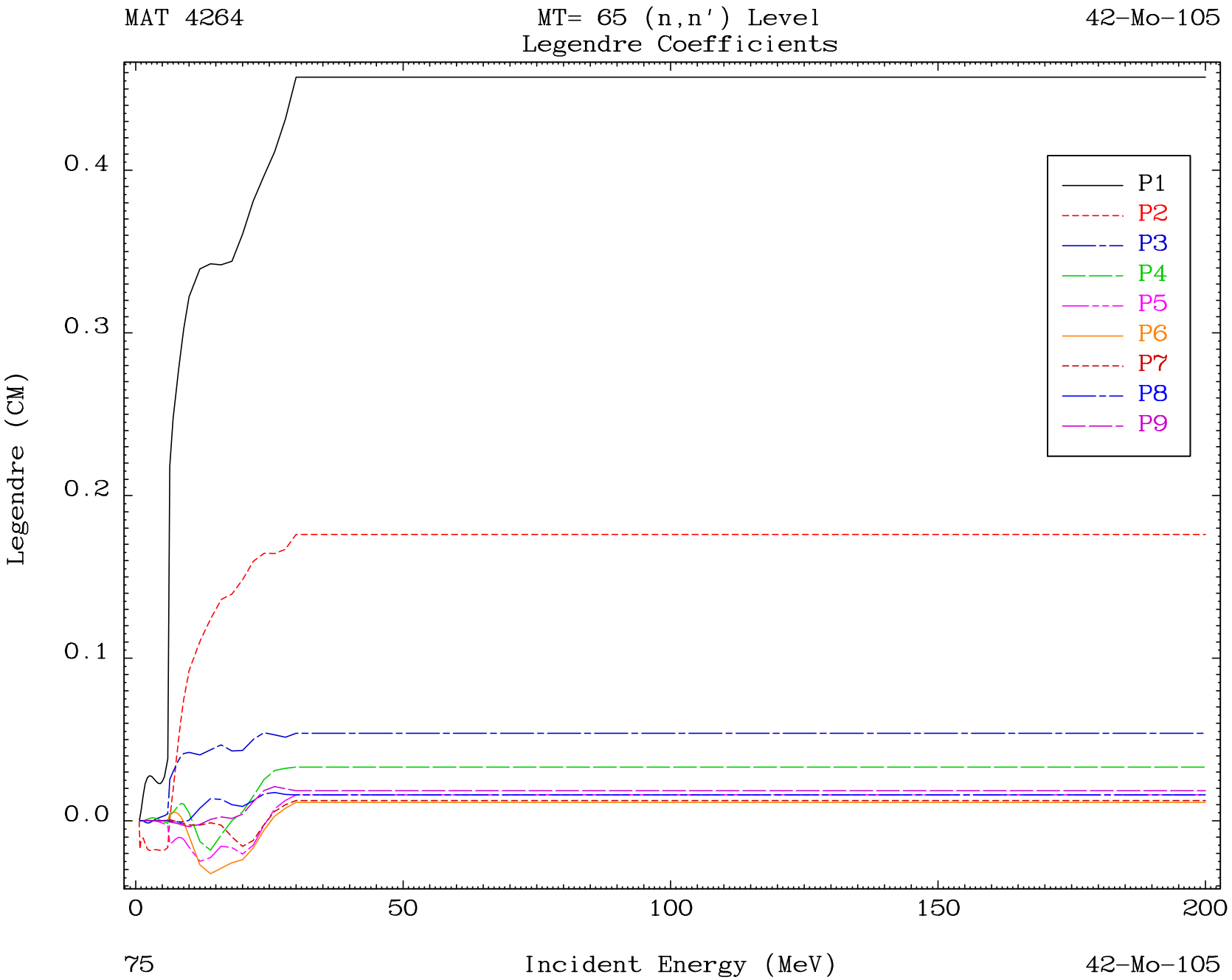

MAT 4264
MT= 63 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
70
Incident Energy (MeV)
42-Mo-105

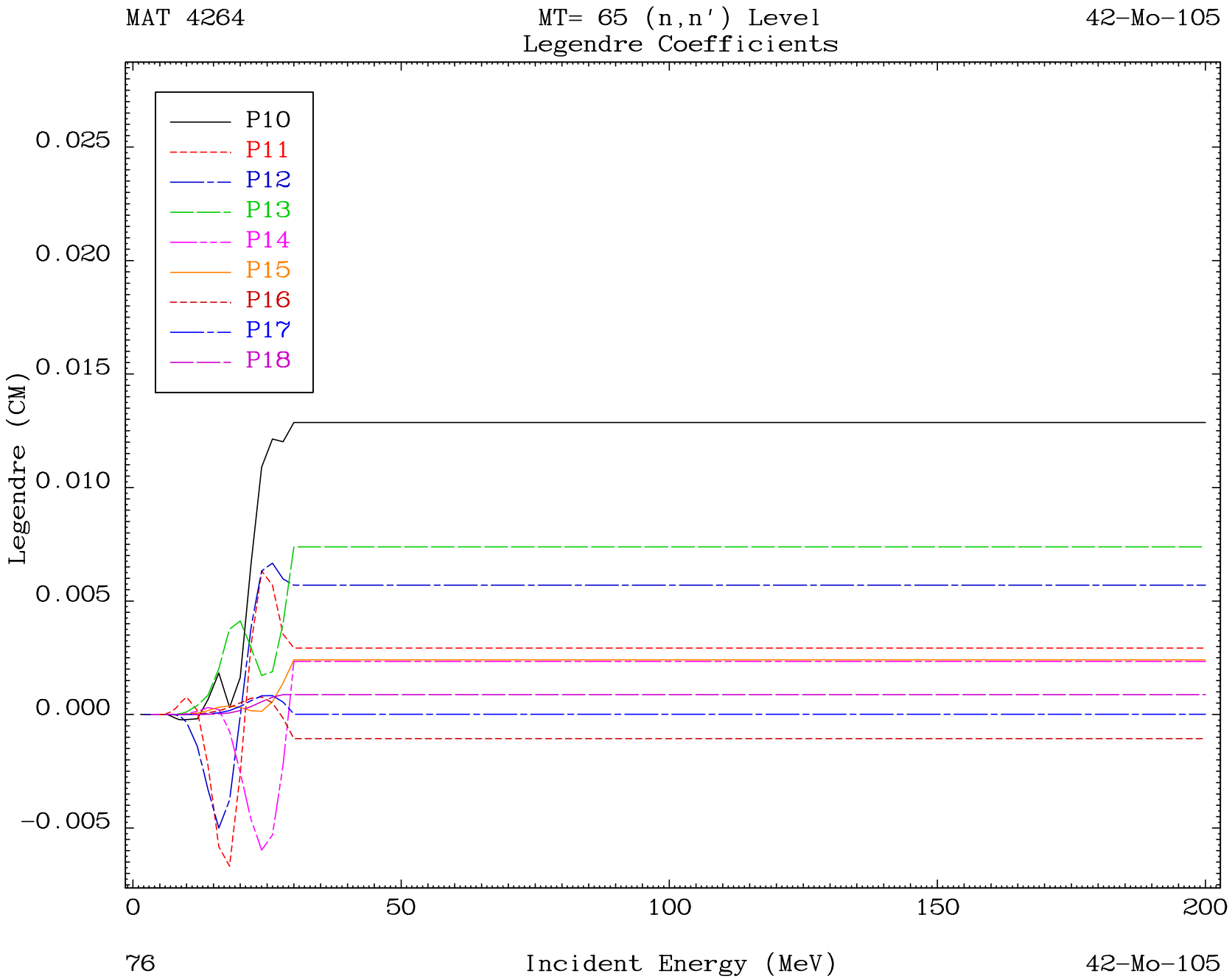

MAT 4264
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
71
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9

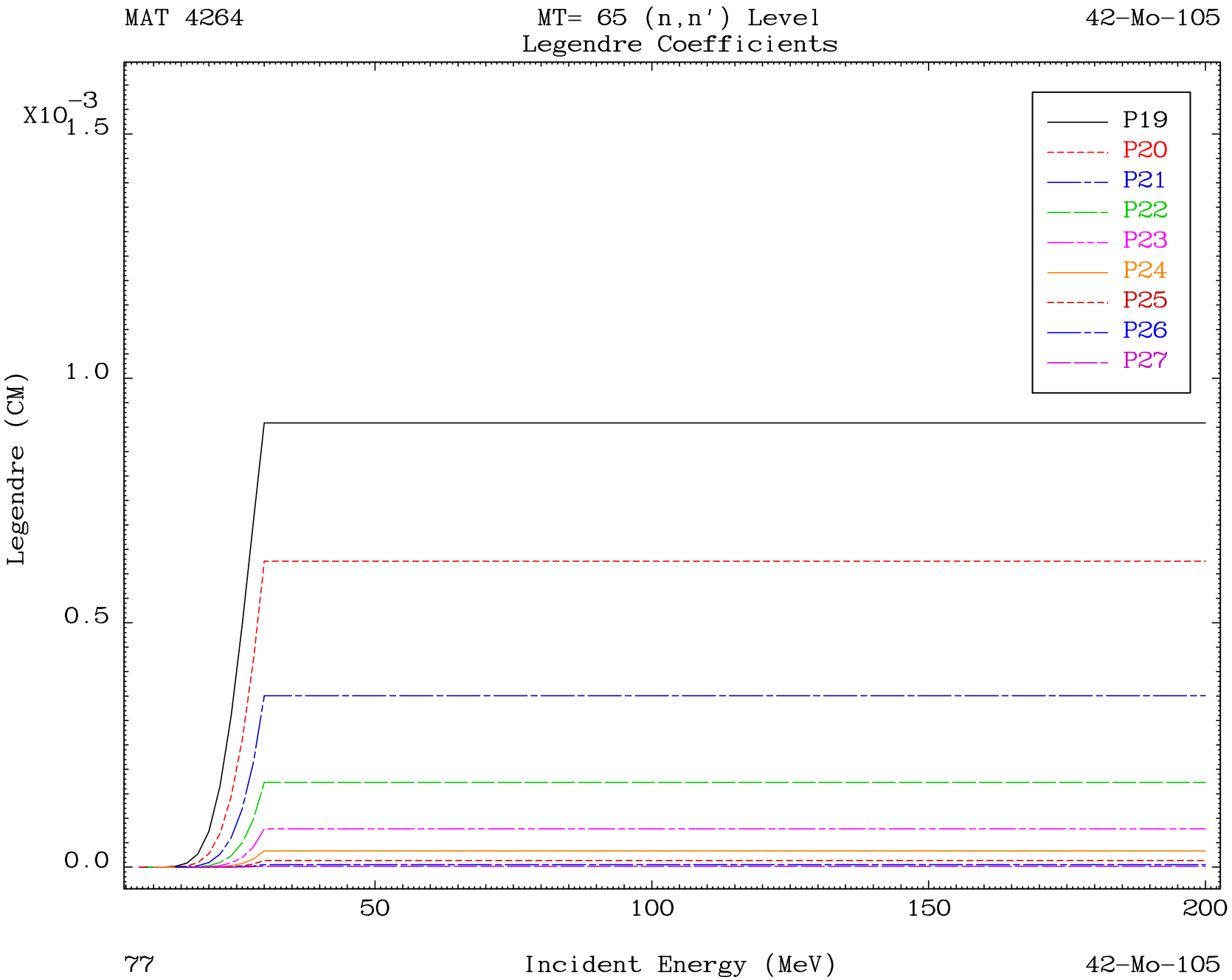

MAT 4264
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
72
Incident Energy (MeV)
42-Mo-105

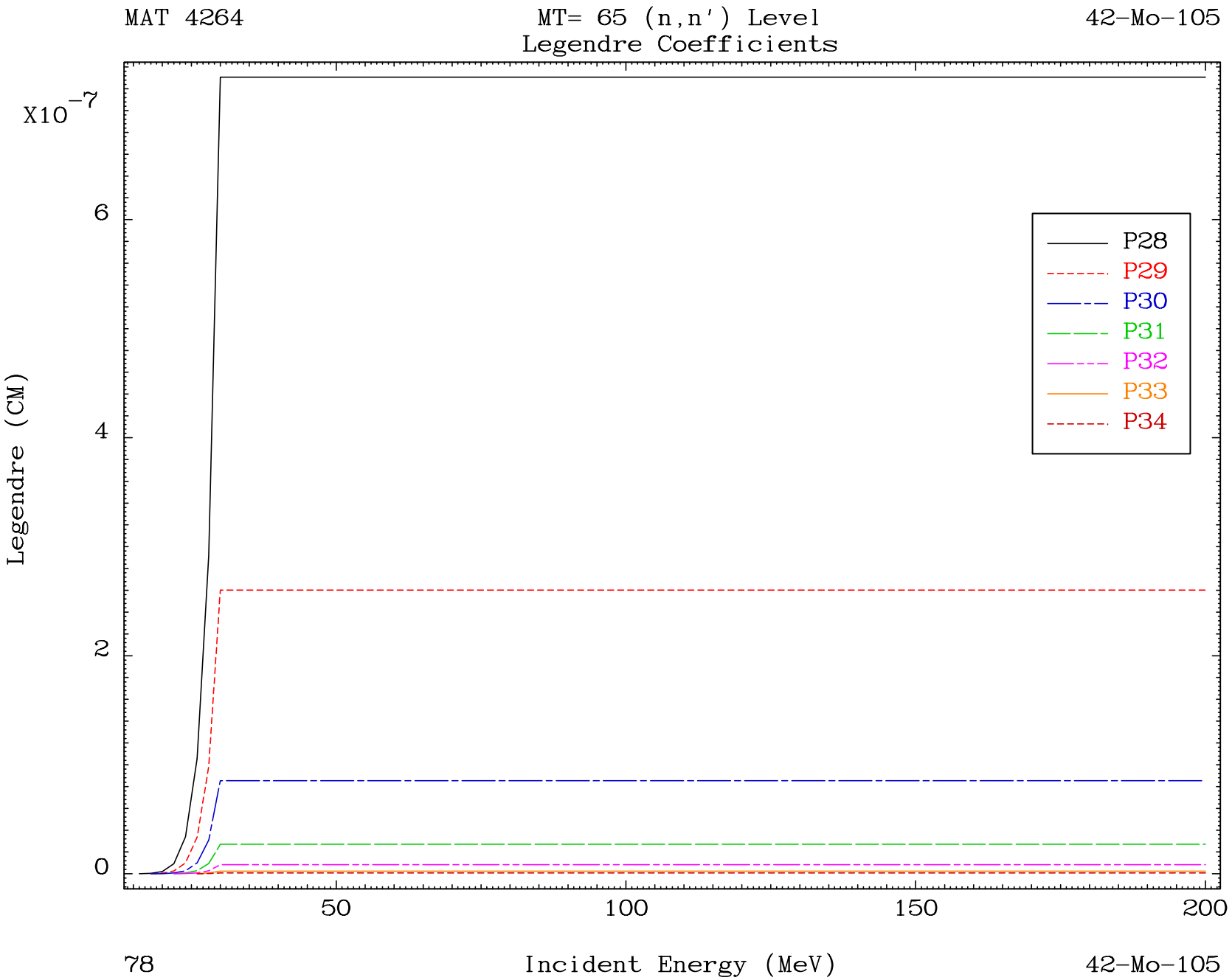

MAT 4264
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
73
Incident Energy (MeV)
42-Mo-105

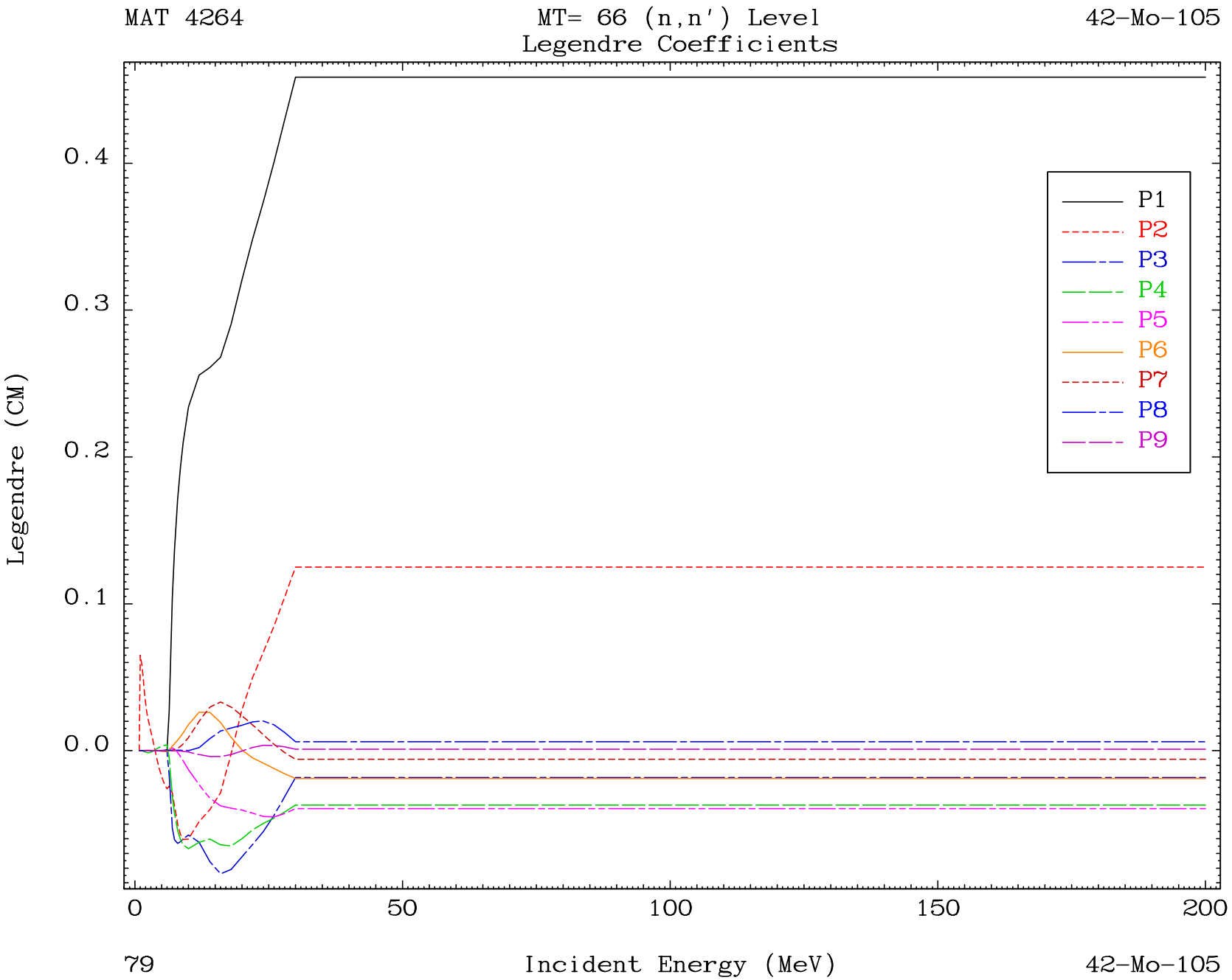

MAT 4264
MT= 64 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
74
Incident Energy (MeV)
42-Mo-105

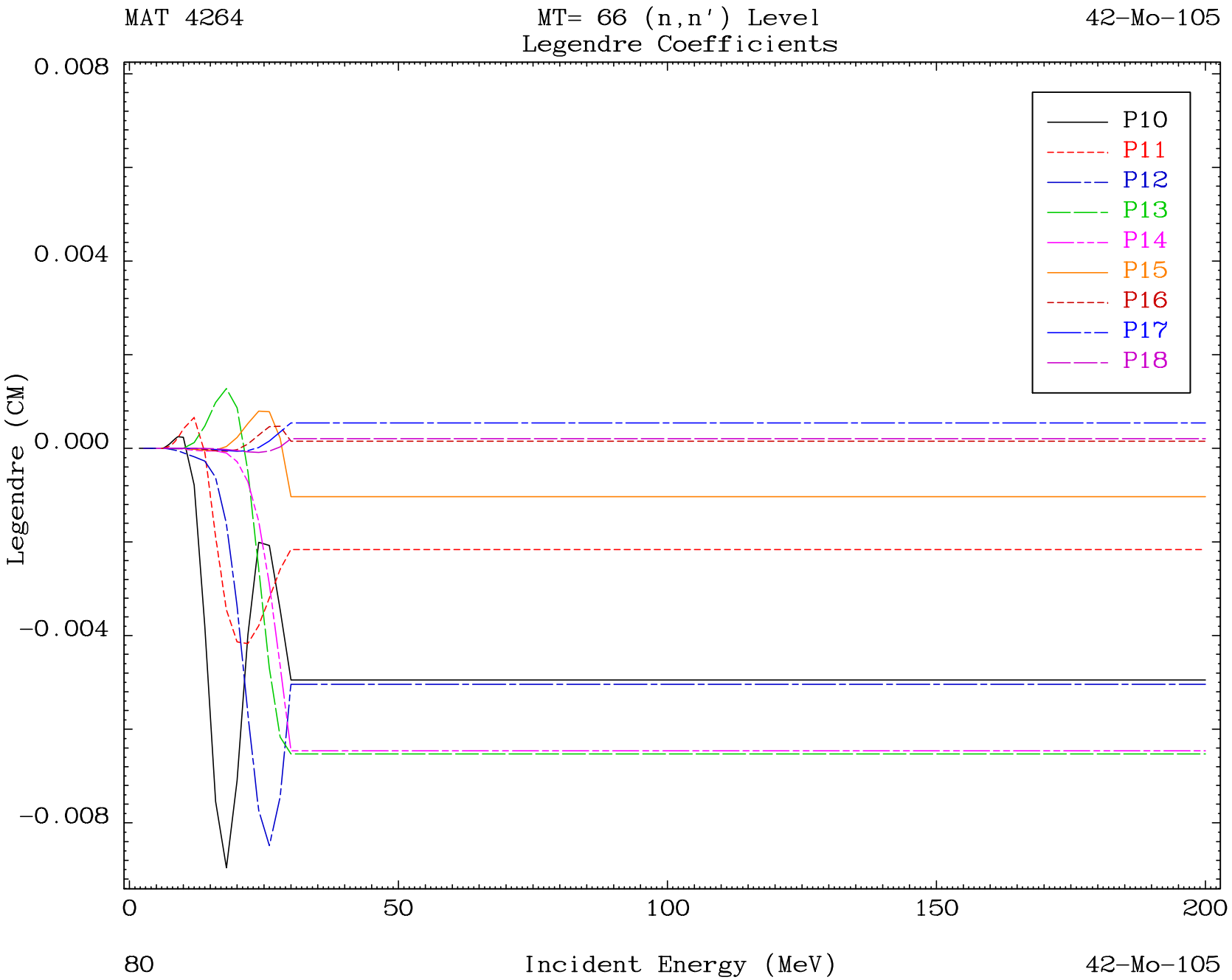

MAT 4264
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
75
Incident Energy (MeV)
42-Mo-105

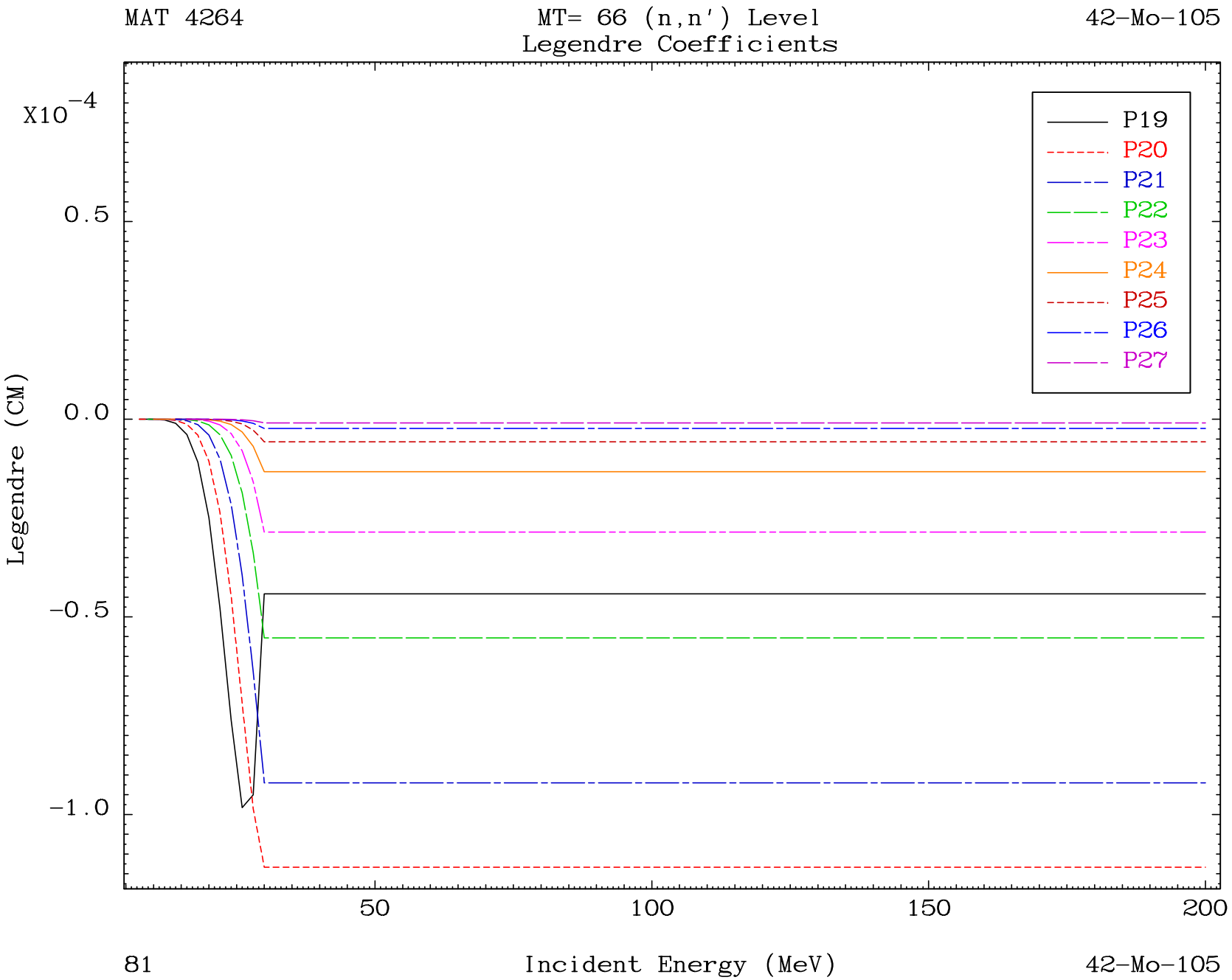

MAT 4264
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
42-Mo-105

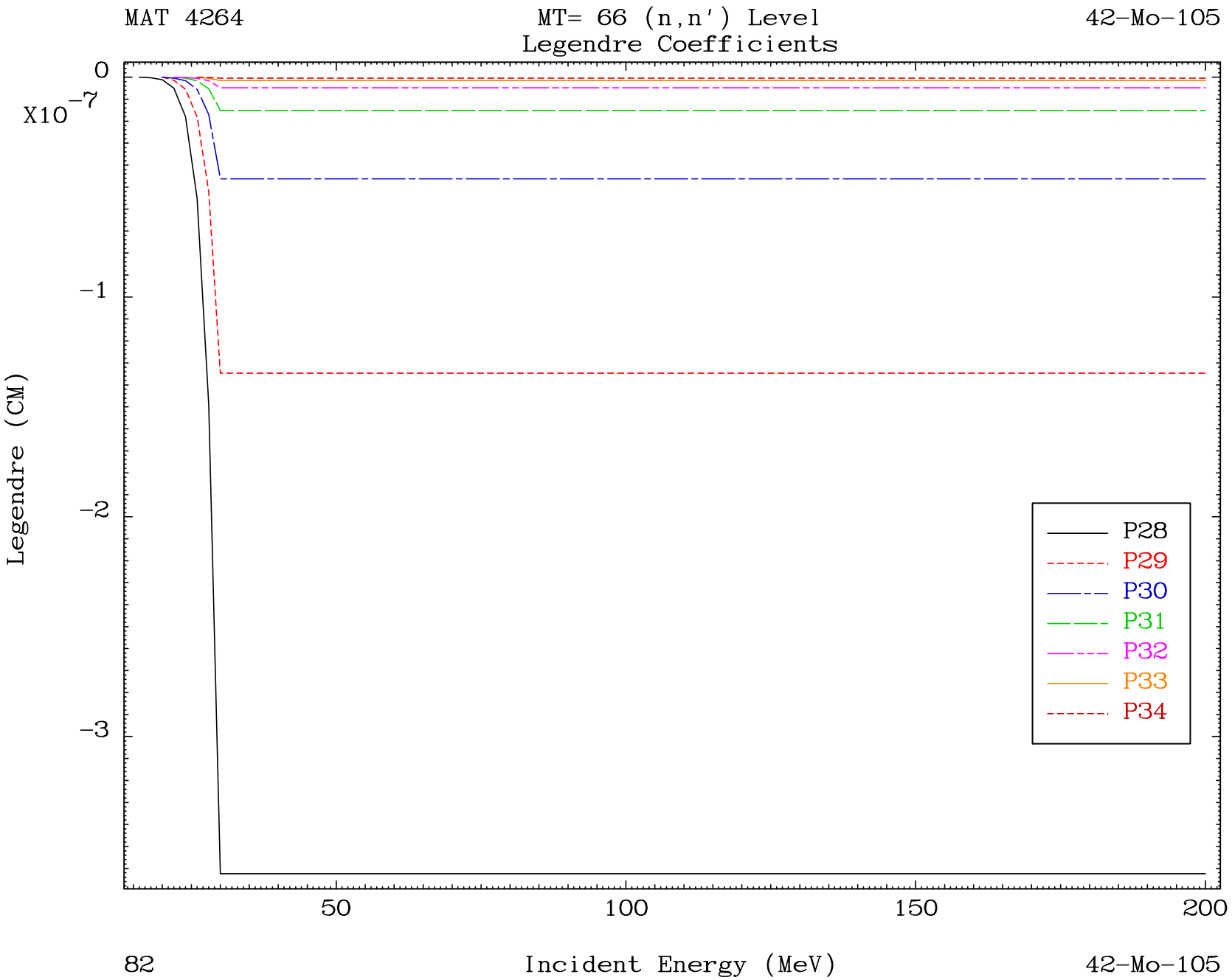

MAT 4264
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
77
Incident Energy (MeV)
42-Mo-105

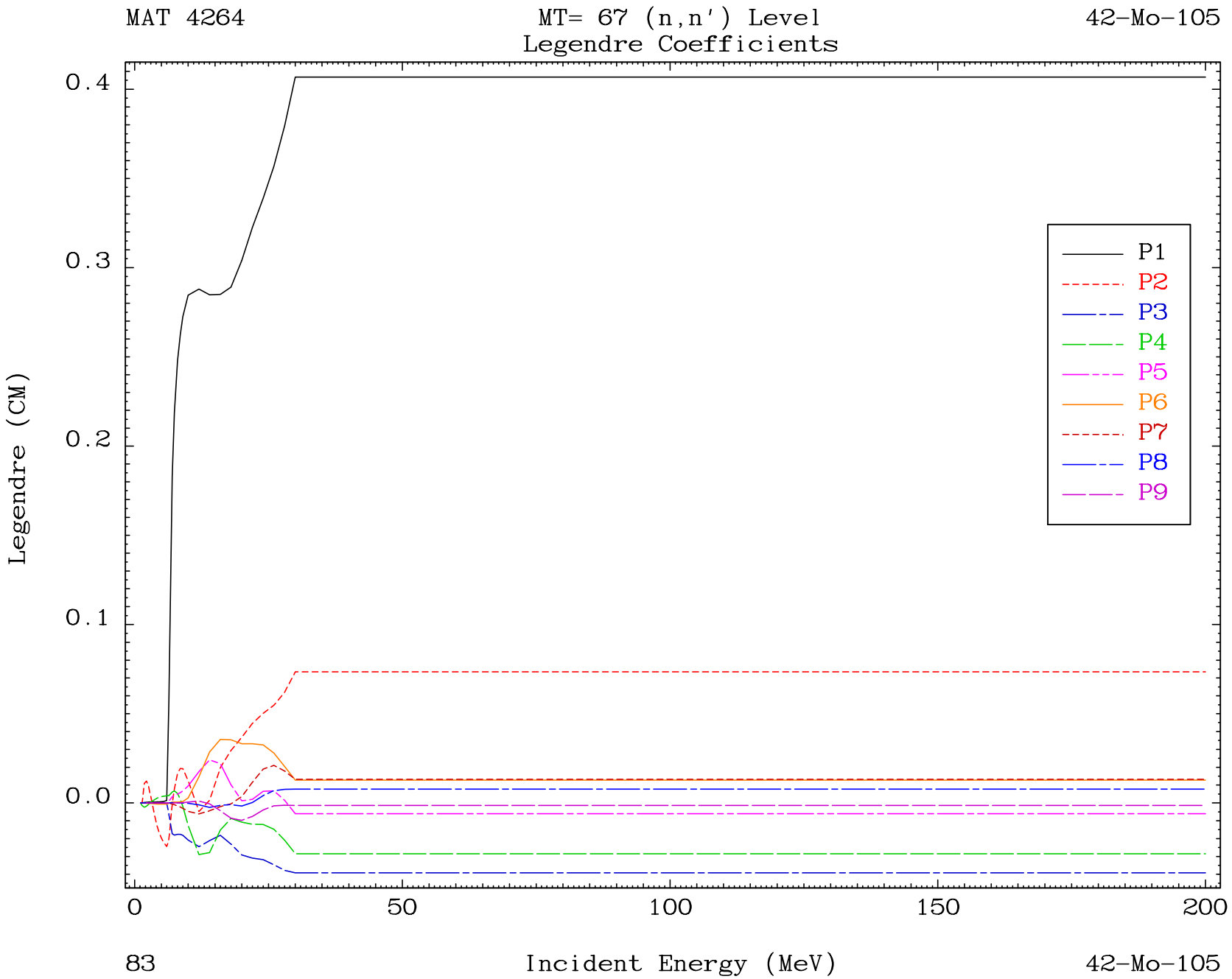

MAT 4264
MT= 65 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
78
Incident Energy (MeV)
42-Mo-105

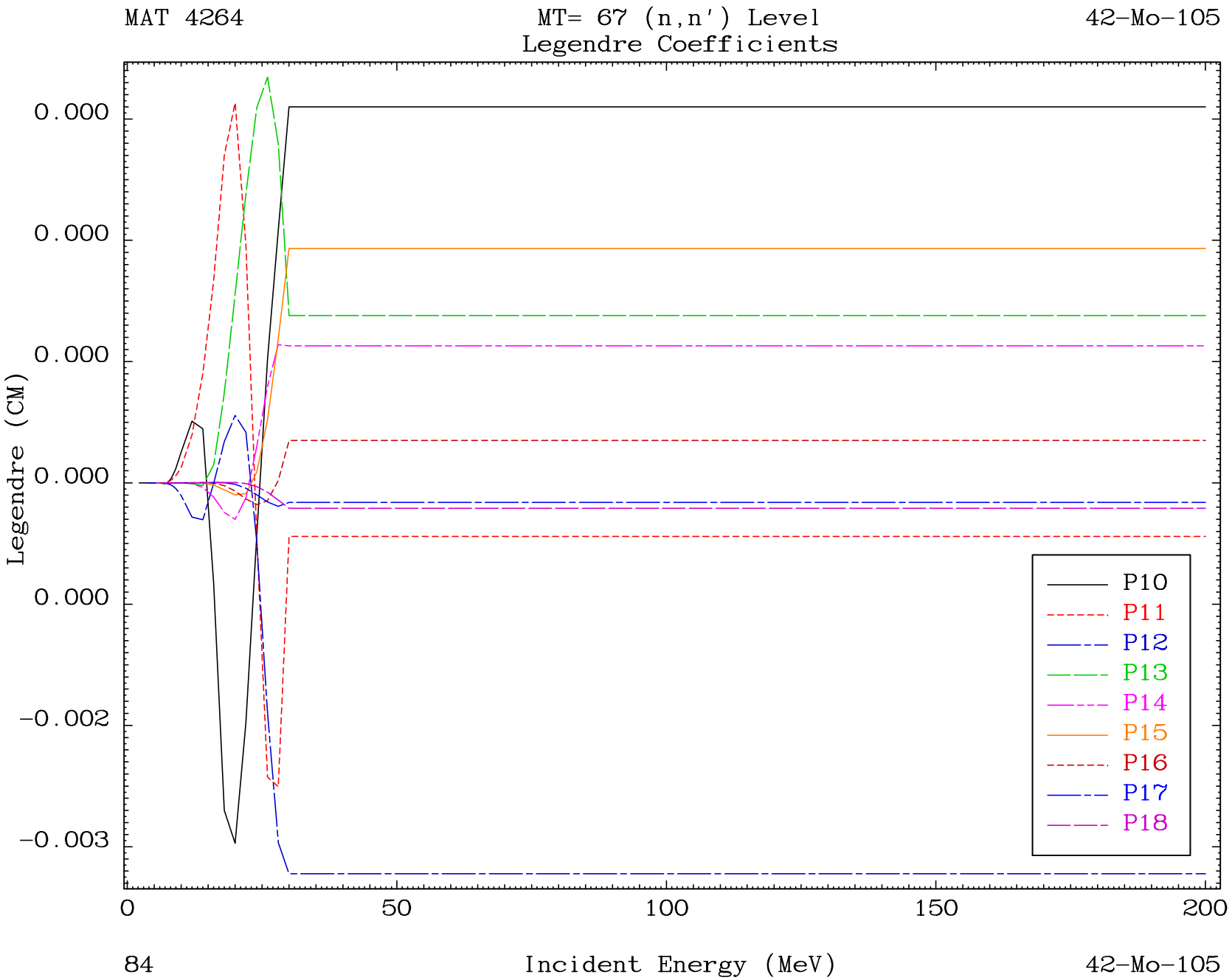

MAT 4264
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
79
Incident Energy (MeV)
42-Mo-105

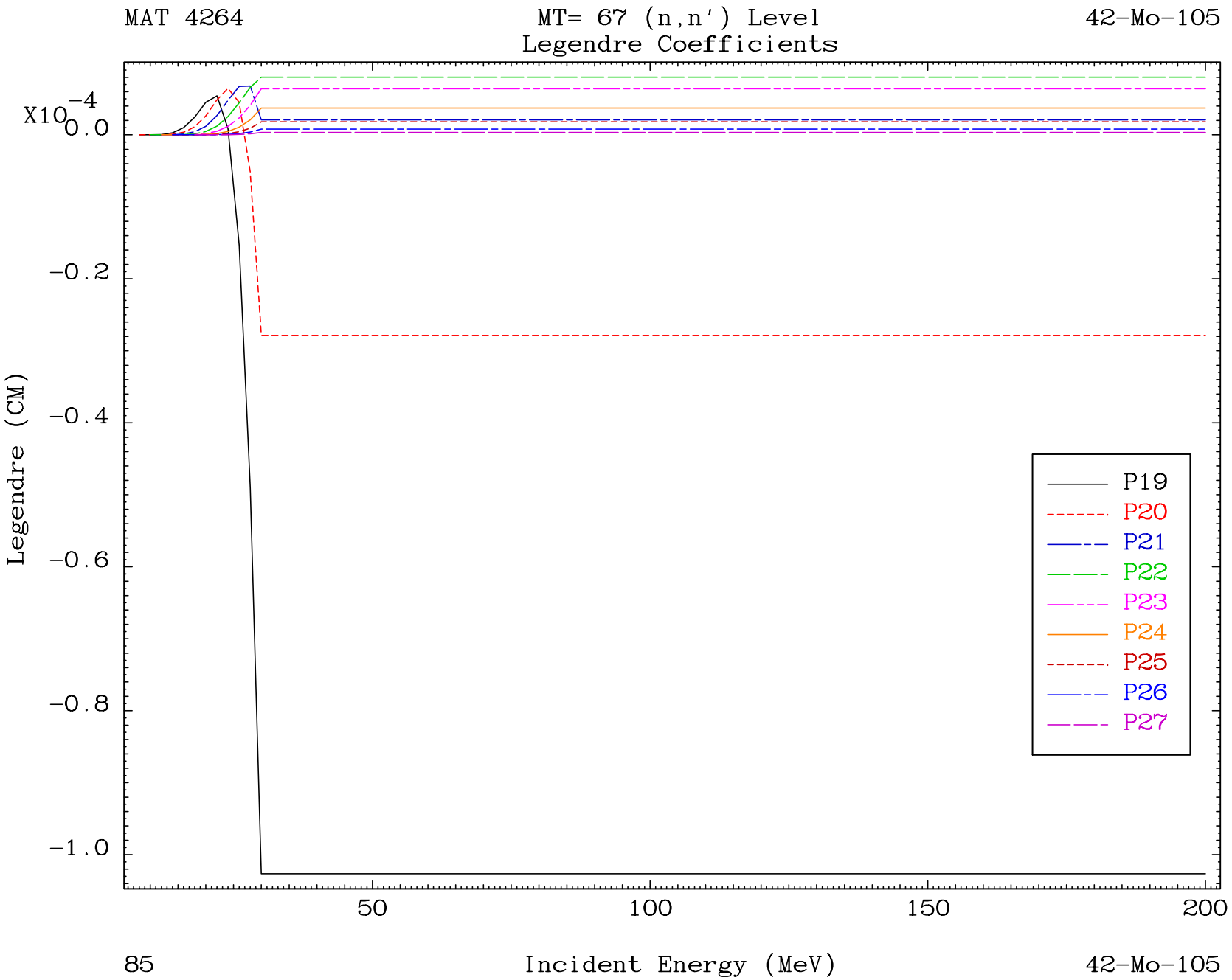

MAT 4264
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-105
0.008
0.004
0.000
-0.004
-0.008
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
80
Incident Energy (MeV)
42-Mo-105

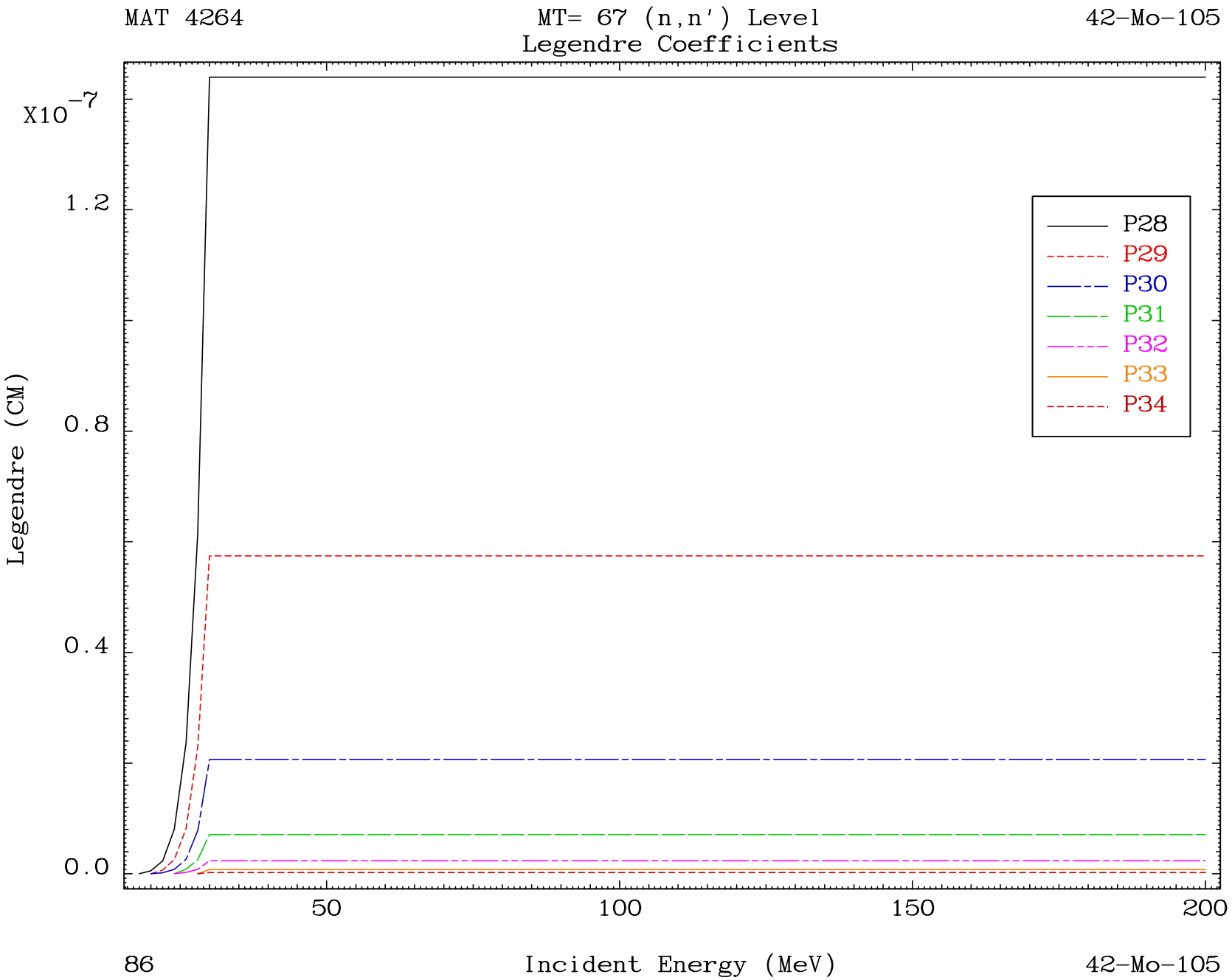

MAT 4264
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-4
0.5
0.0
-0.5
-1.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
81
Incident Energy (MeV)
42-Mo-105

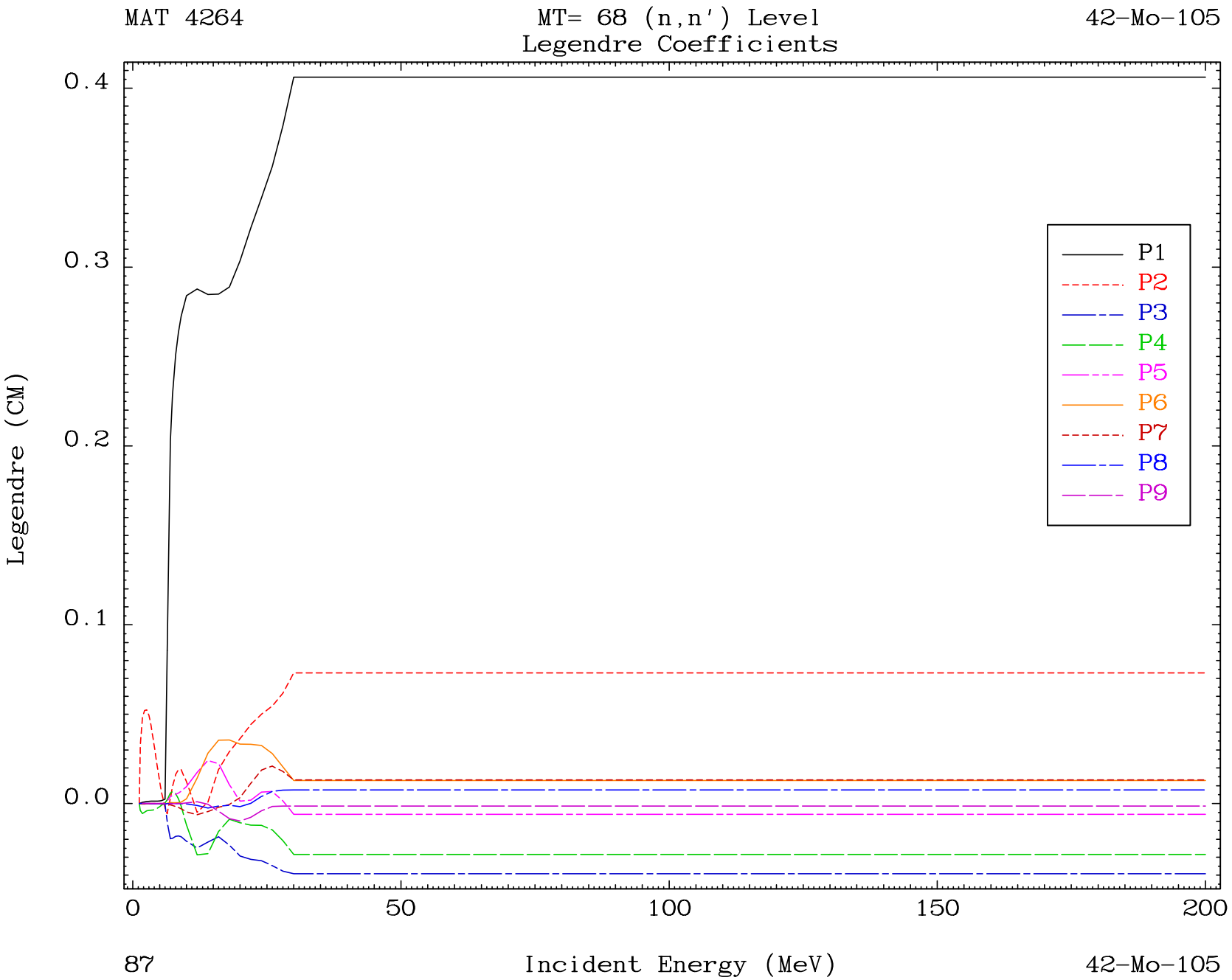

MAT 4264
MT= 66 (n,n') Level
Legendre Coefficients
42-Mo-105
0
X10-7
-1
-2
-3
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
42-Mo-105
P28
P29
P30
P31
P32
P33
P34

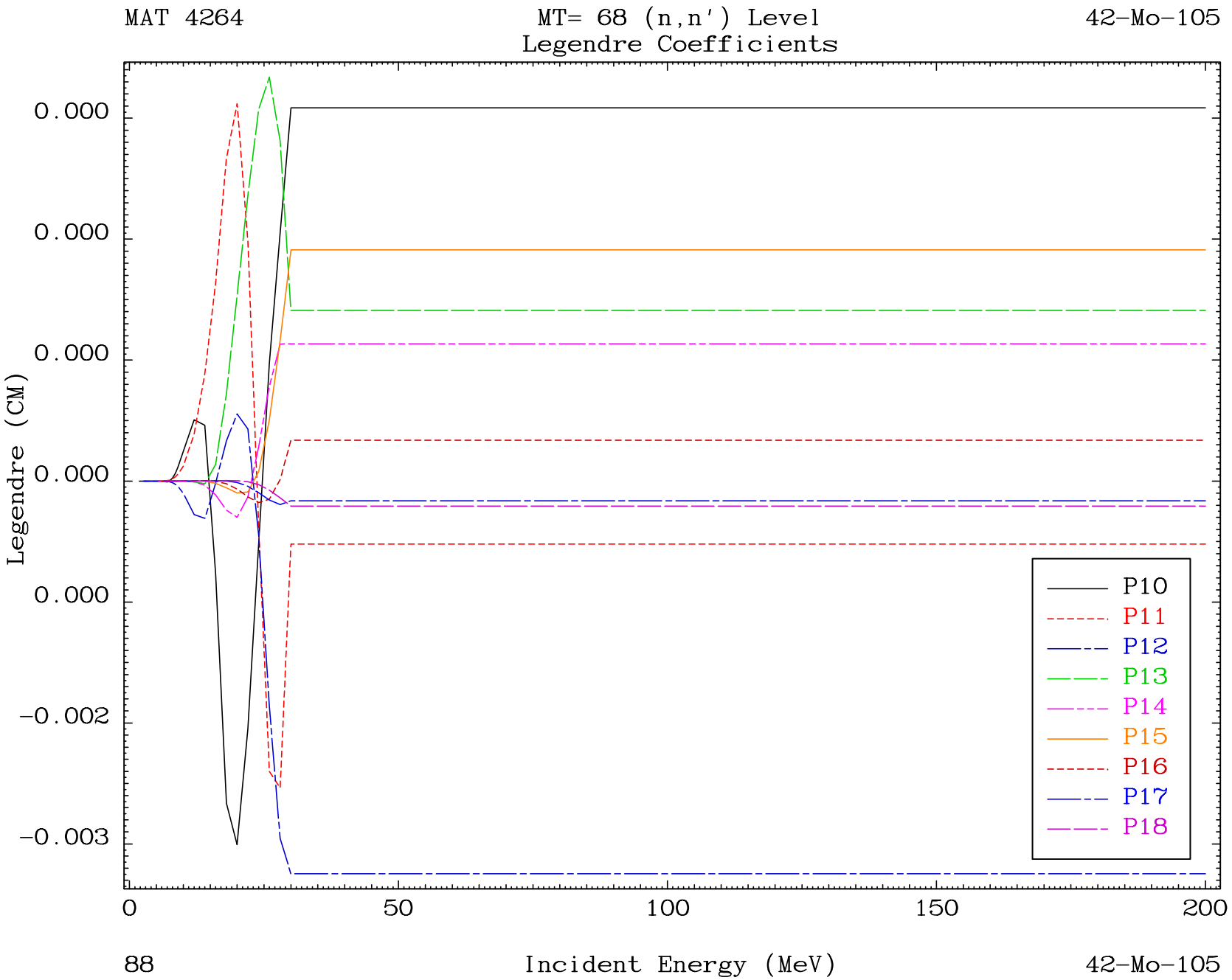

MAT 4264
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
83
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9

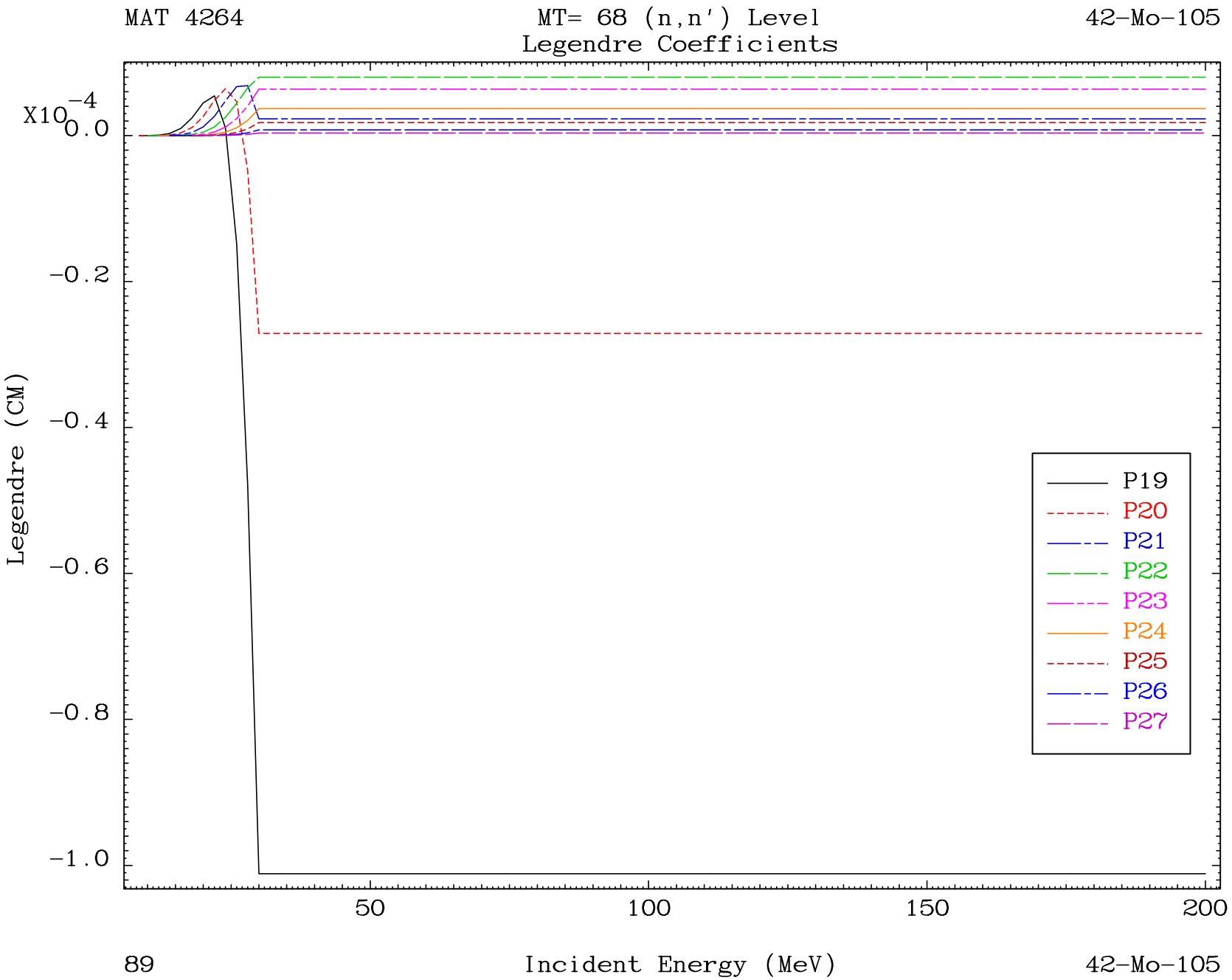

MAT 4264
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
84
Incident Energy (MeV)
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18

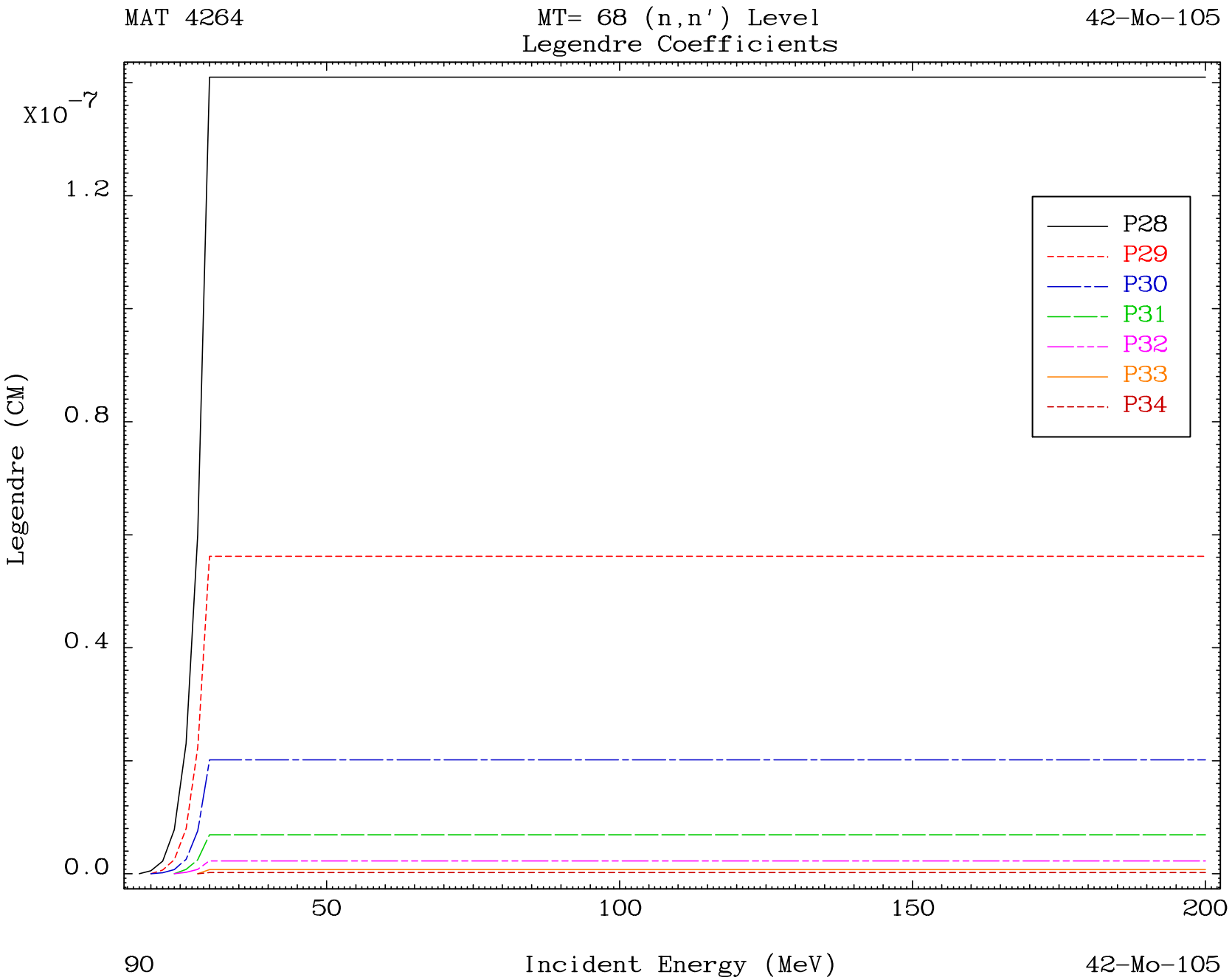

MAT 4264
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-4
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
85
Incident Energy (MeV)
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27

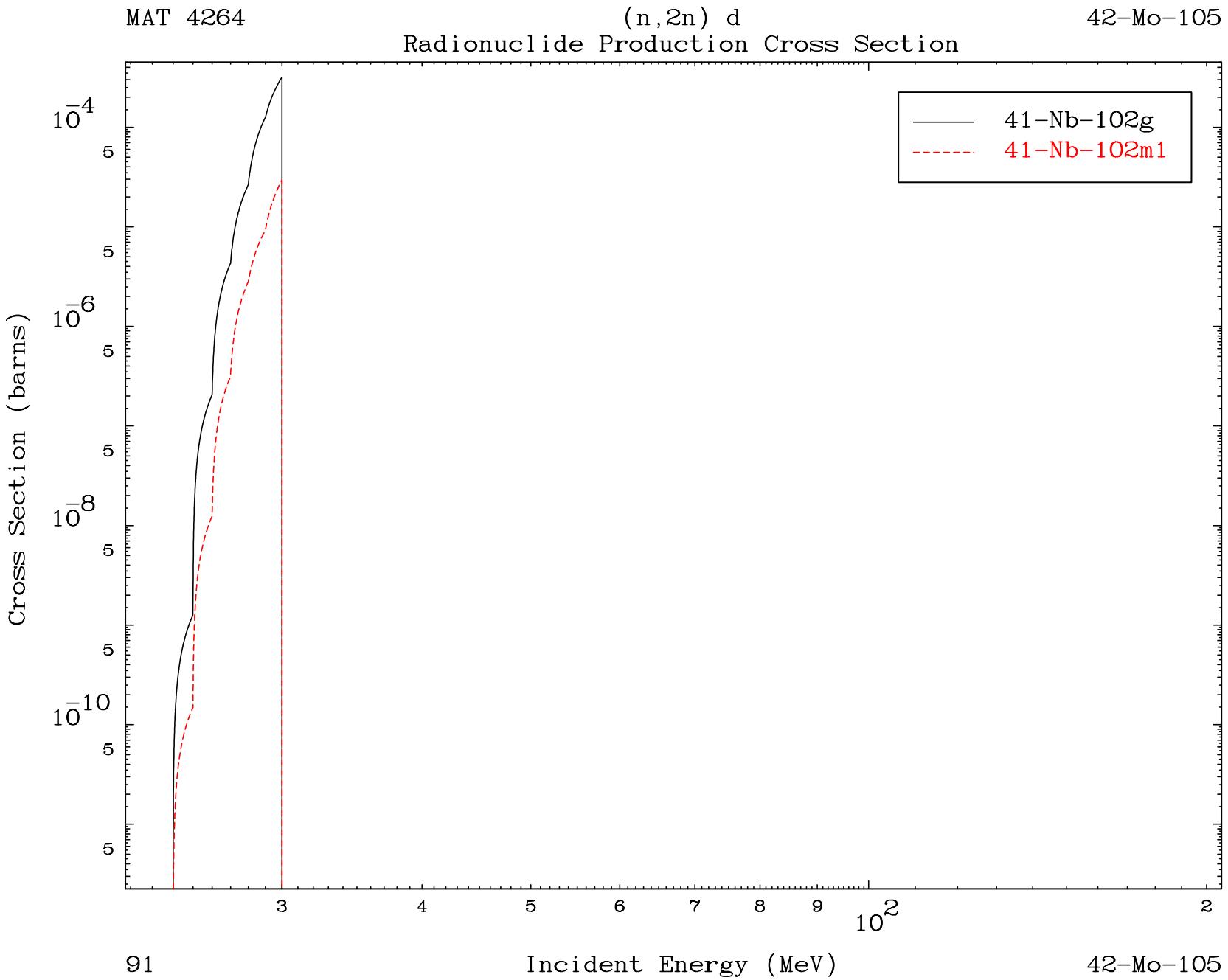

MAT 4264
MT= 67 (n,n') Level
Legendre Coefficients
42-Mo-105
X10-7
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
86
Incident Energy (MeV)
42-Mo-105

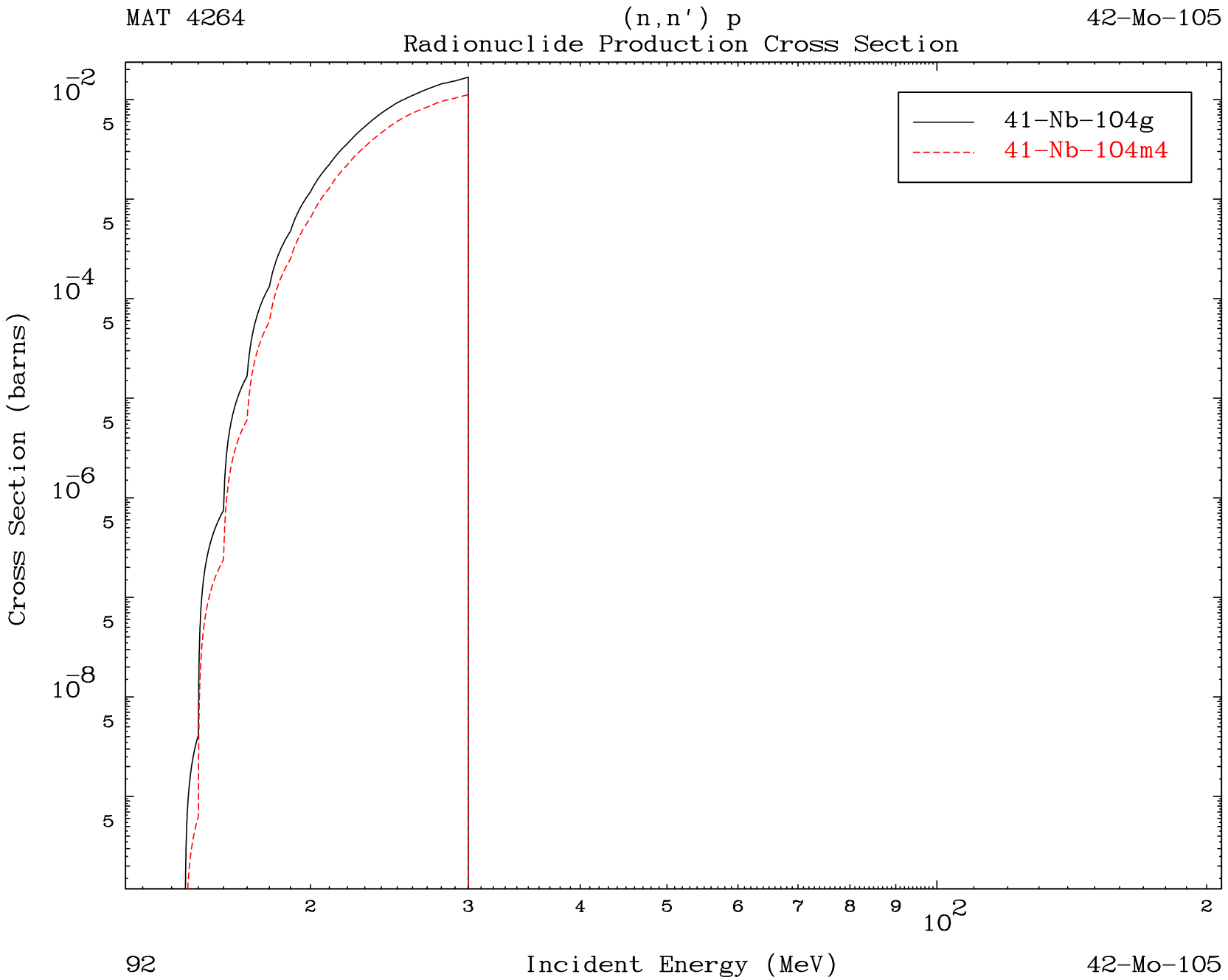

MAT 4264
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-105
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
87
42-Mo-105
P1
P2
P3
P4
P5
P6
P7
P8
P9

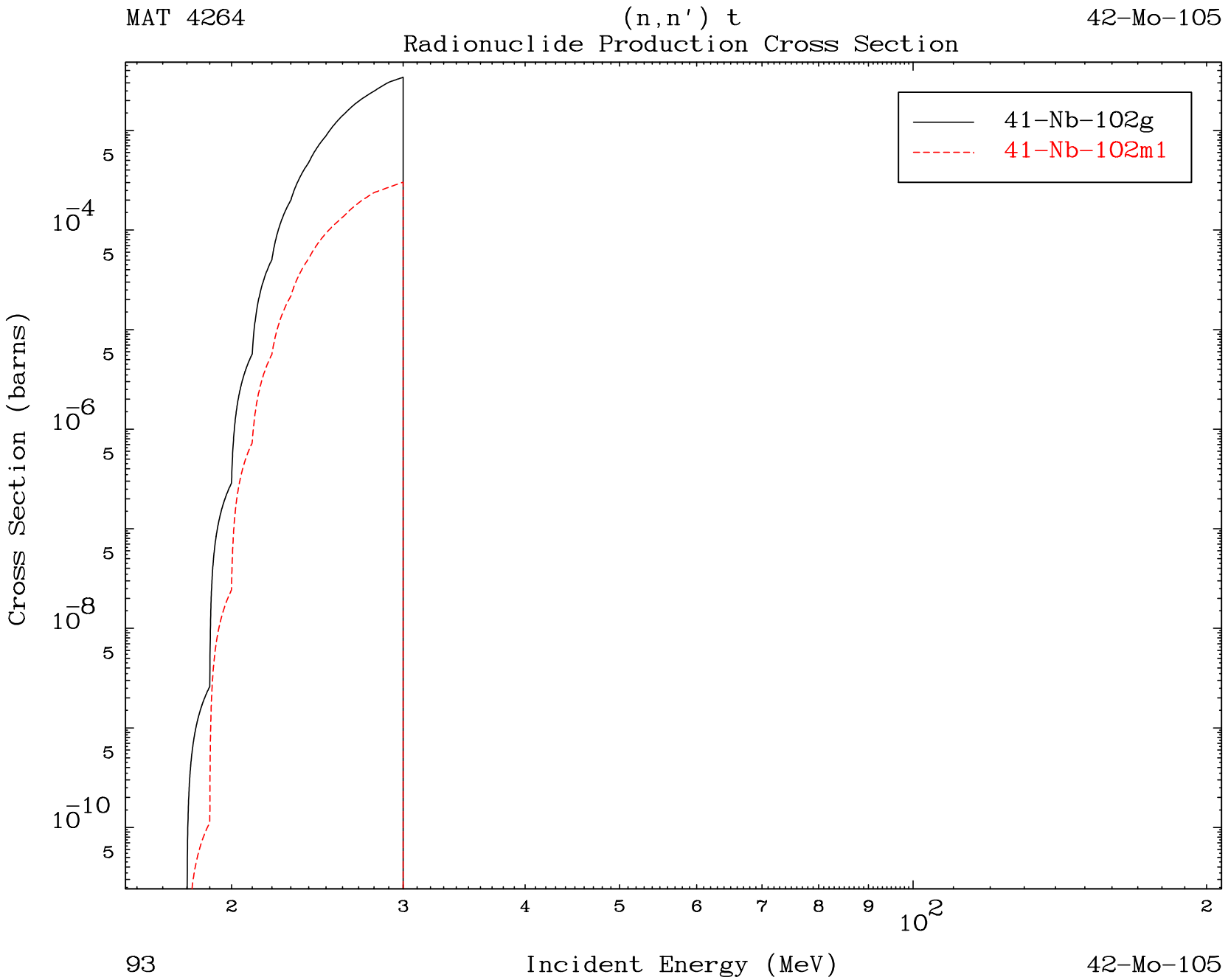

MAT 4264
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-105
0.000
0.000
0.000
0.000
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
88
Incident Energy (MeV)
42-Mo-105
P10
P11
P12
P13
P14
P15
P16
P17
P18

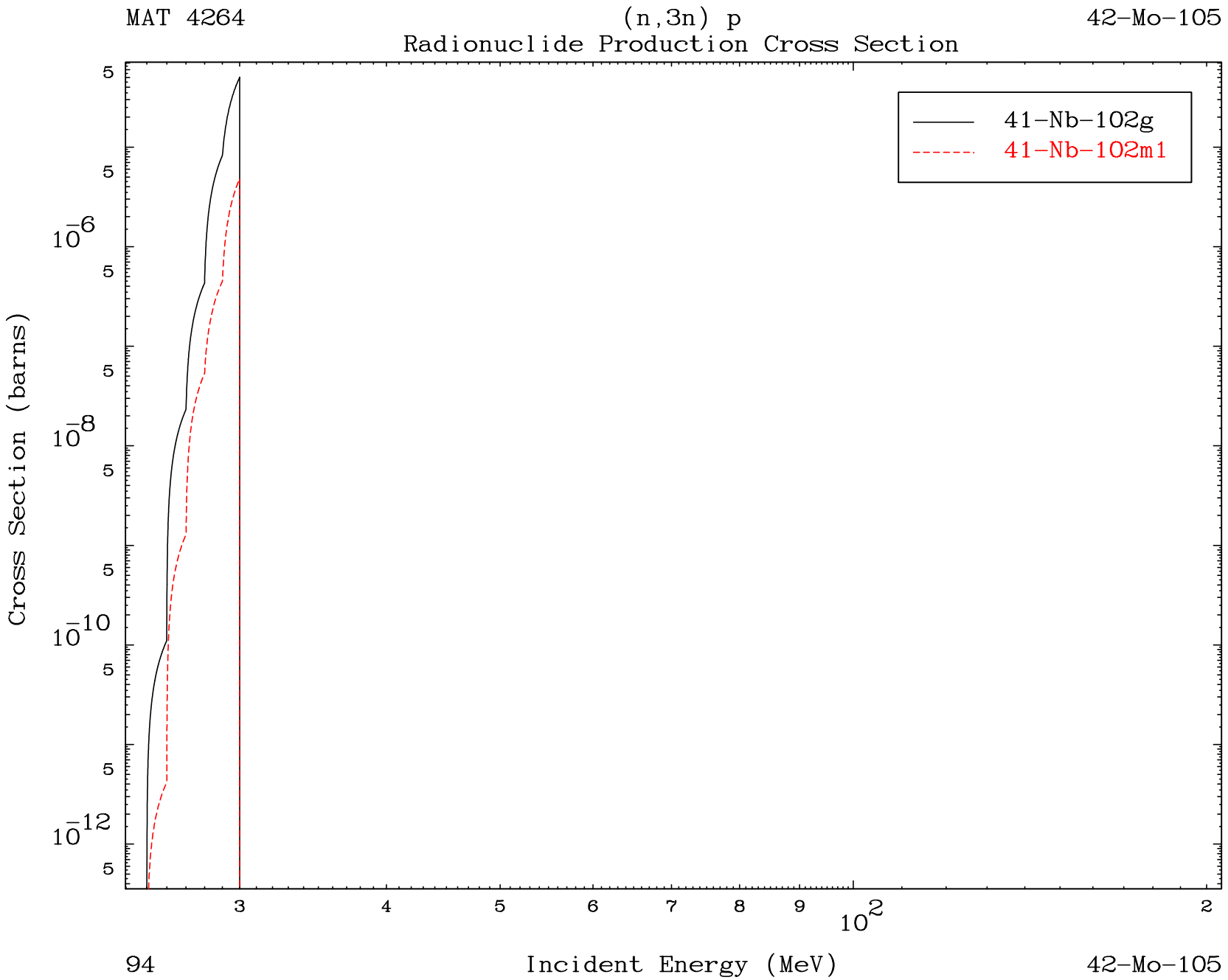

MAT 4264
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-4
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
42-Mo-105
P19
P20
P21
P22
P23
P24
P25
P26
P27

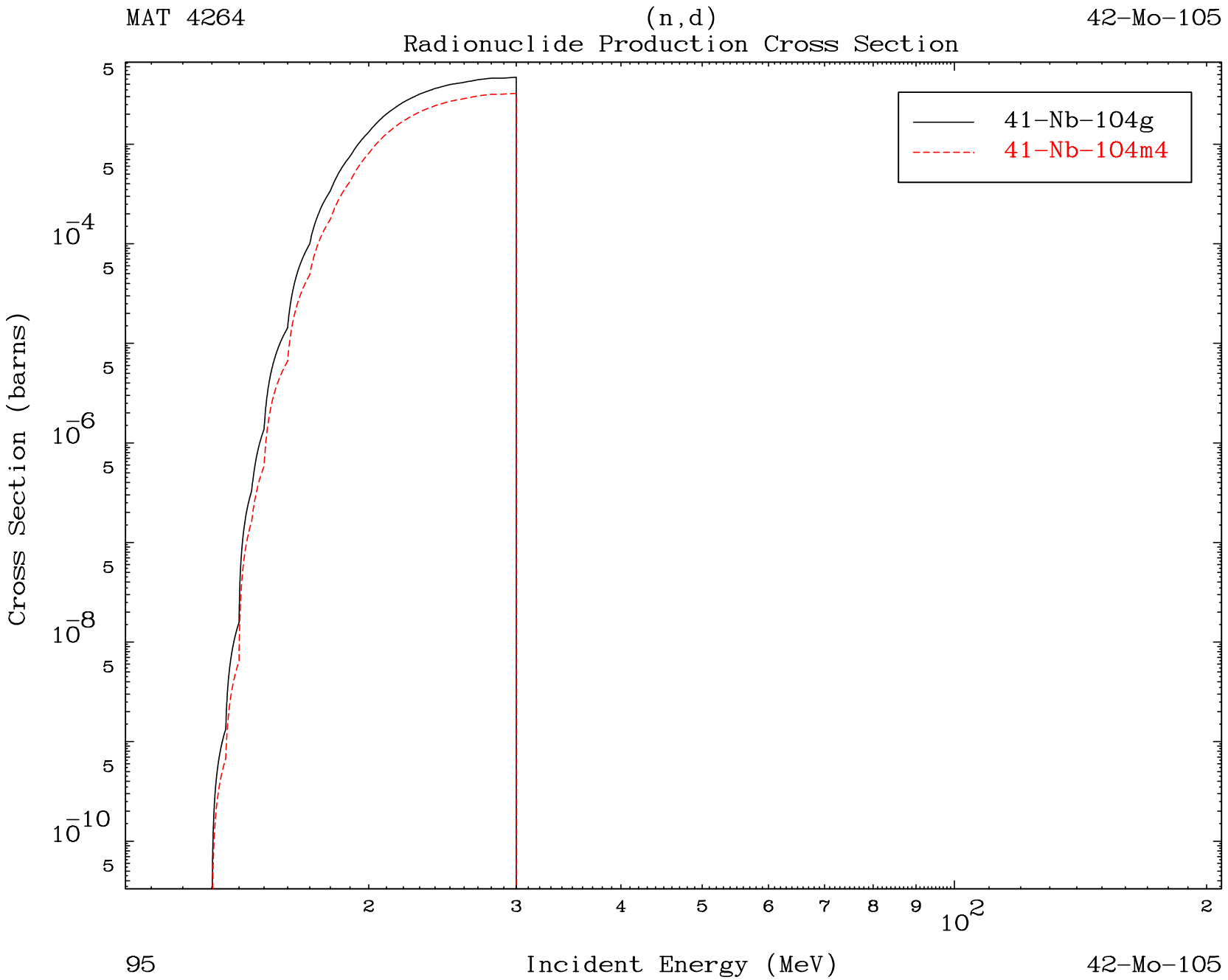

MAT 4264
MT= 68 (n,n') Level
Legendre Coefficients
42-Mo-105
X10^-7
1.2
0.8
0.4
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
90
Incident Energy (MeV)
42-Mo-105


MAT 4264
(n,2n) d
42-Mo-105
Radionuclide Production Cross Section
41-Nb-102g
41-Nb-102m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
91
Incident Energy (MeV)
42-Mo-105


MAT 4264
(n,n') p
42-Mo-105
Radionuclide Production Cross Section
41-Nb-104g
41-Nb-104m4
Cross Section (barns)
Incident Energy (MeV)
92
42-Mo-105


MAT 4264
(n,n') t
42-Mo-105
Radionuclide Production Cross Section
41-Nb-102g
41-Nb-102m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
93
Incident Energy (MeV)
42-Mo-105


MAT 4264
(n,3n) p
42-Mo-105
Radionuclide Production Cross Section
41-Nb-102g
41-Nb-102m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
94
Incident Energy (MeV)
42-Mo-105


MAT 4264
(n,d)
42-Mo-105
Radionuclide Production Cross Section
41-Nb-104g
41-Nb-104m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
95
Incident Energy (MeV)
42-Mo-105