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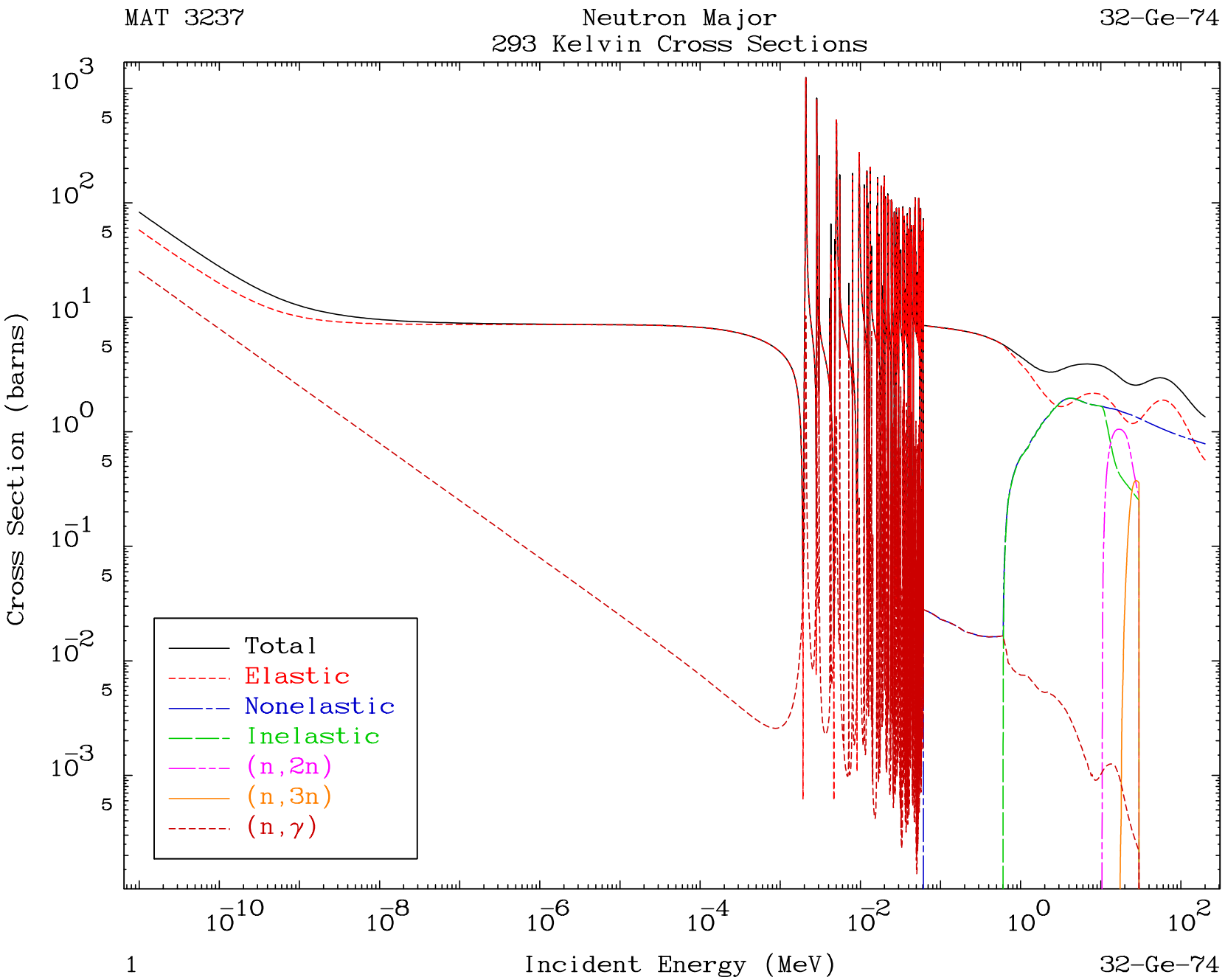
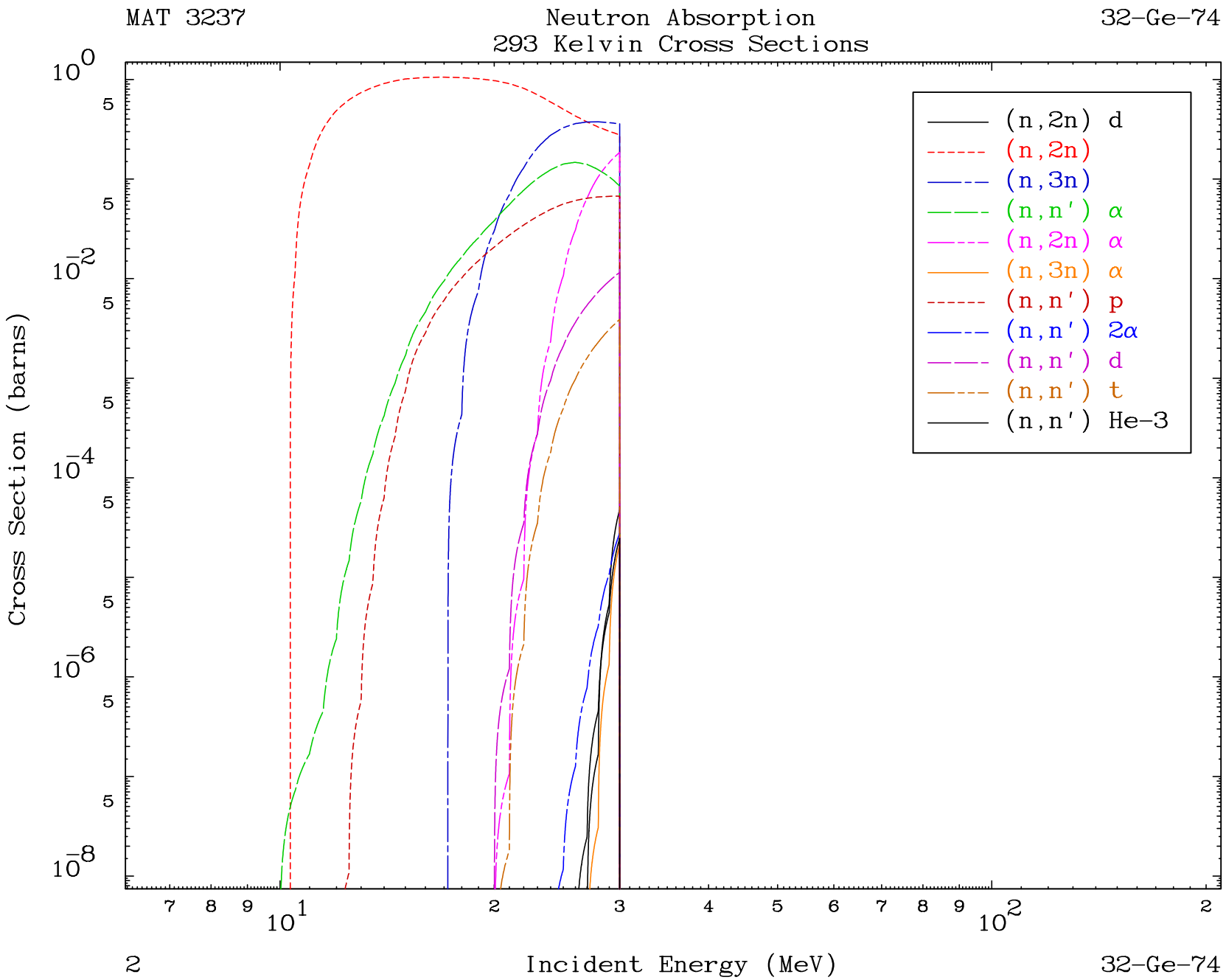
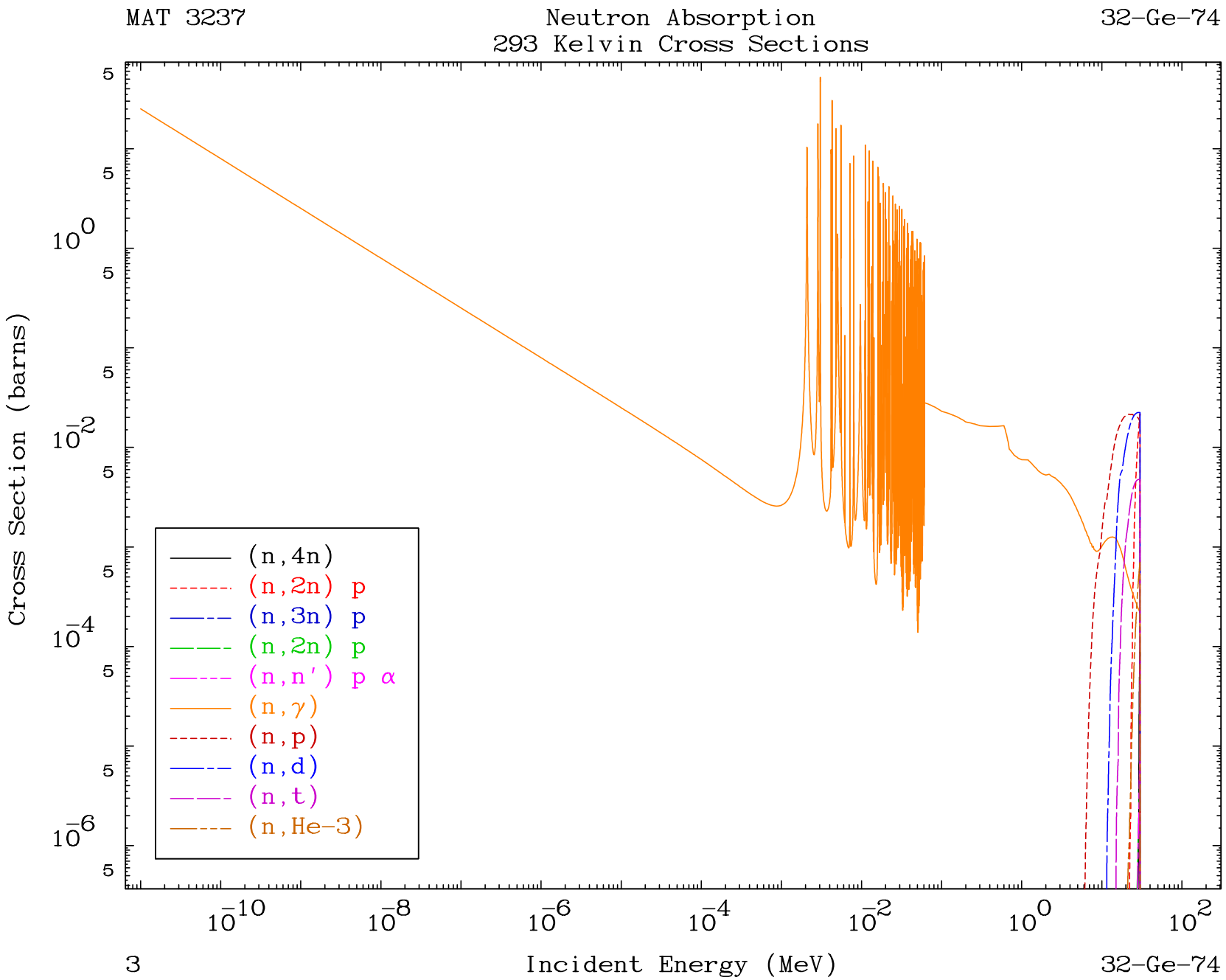
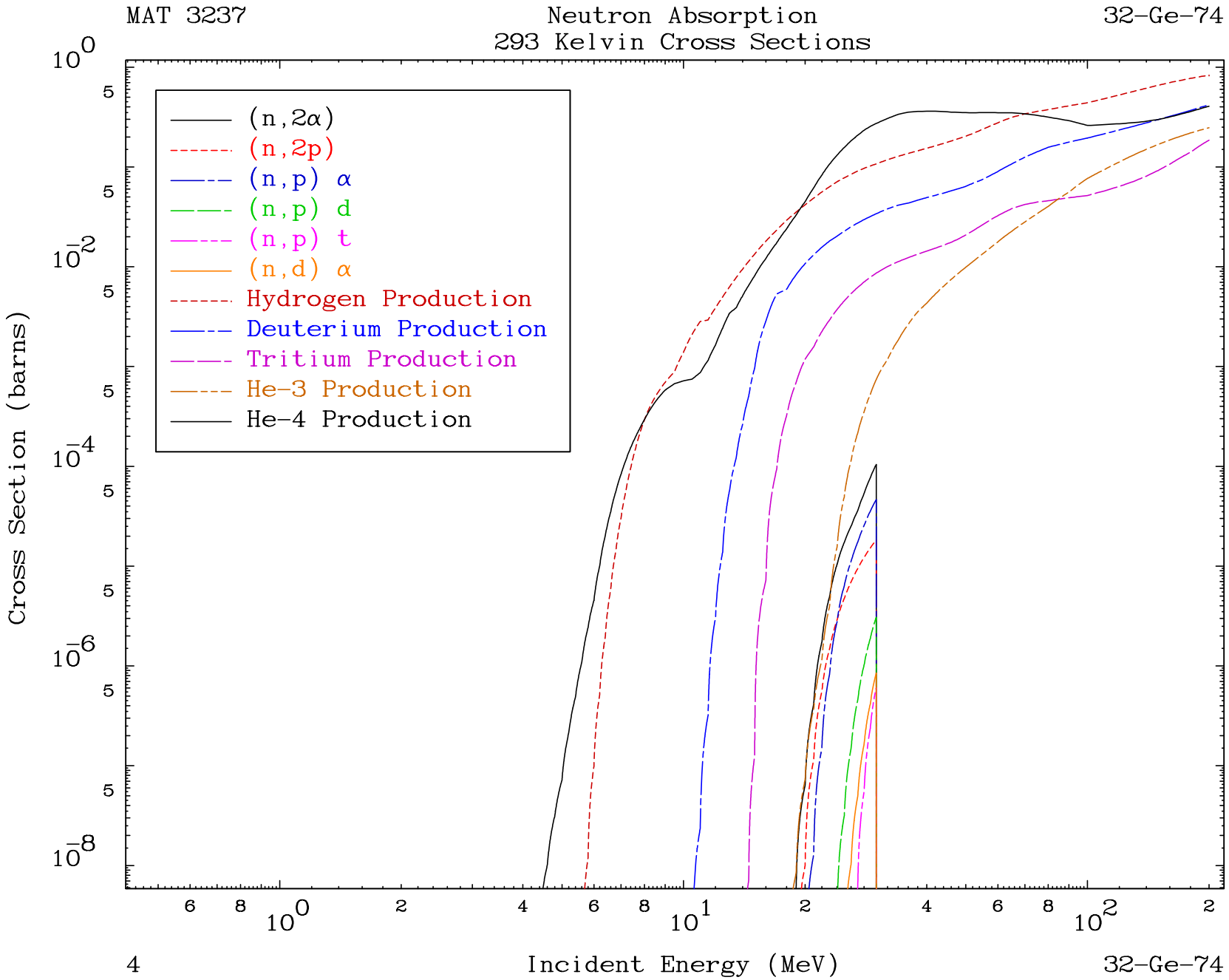
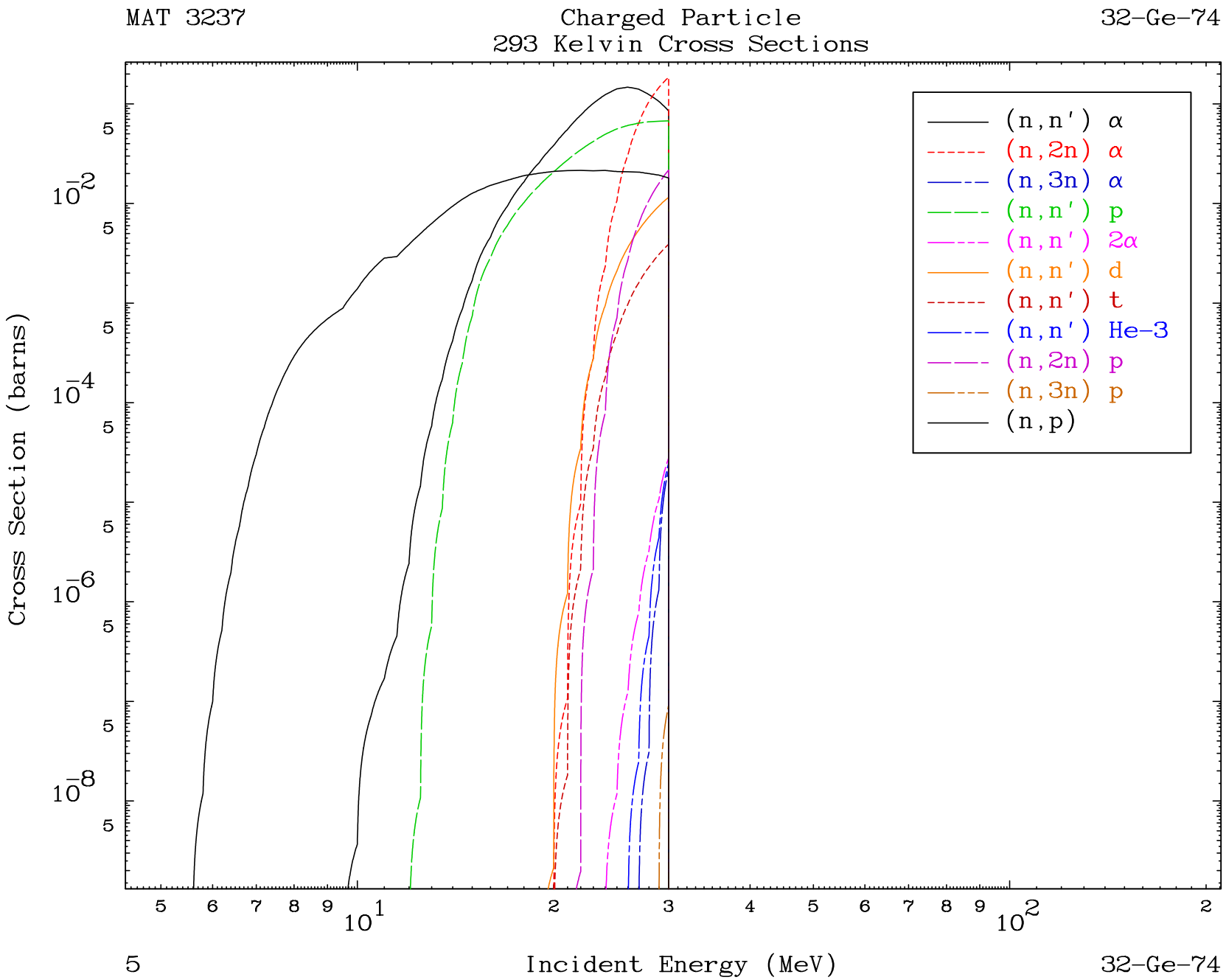
Press Mouse Button to Start

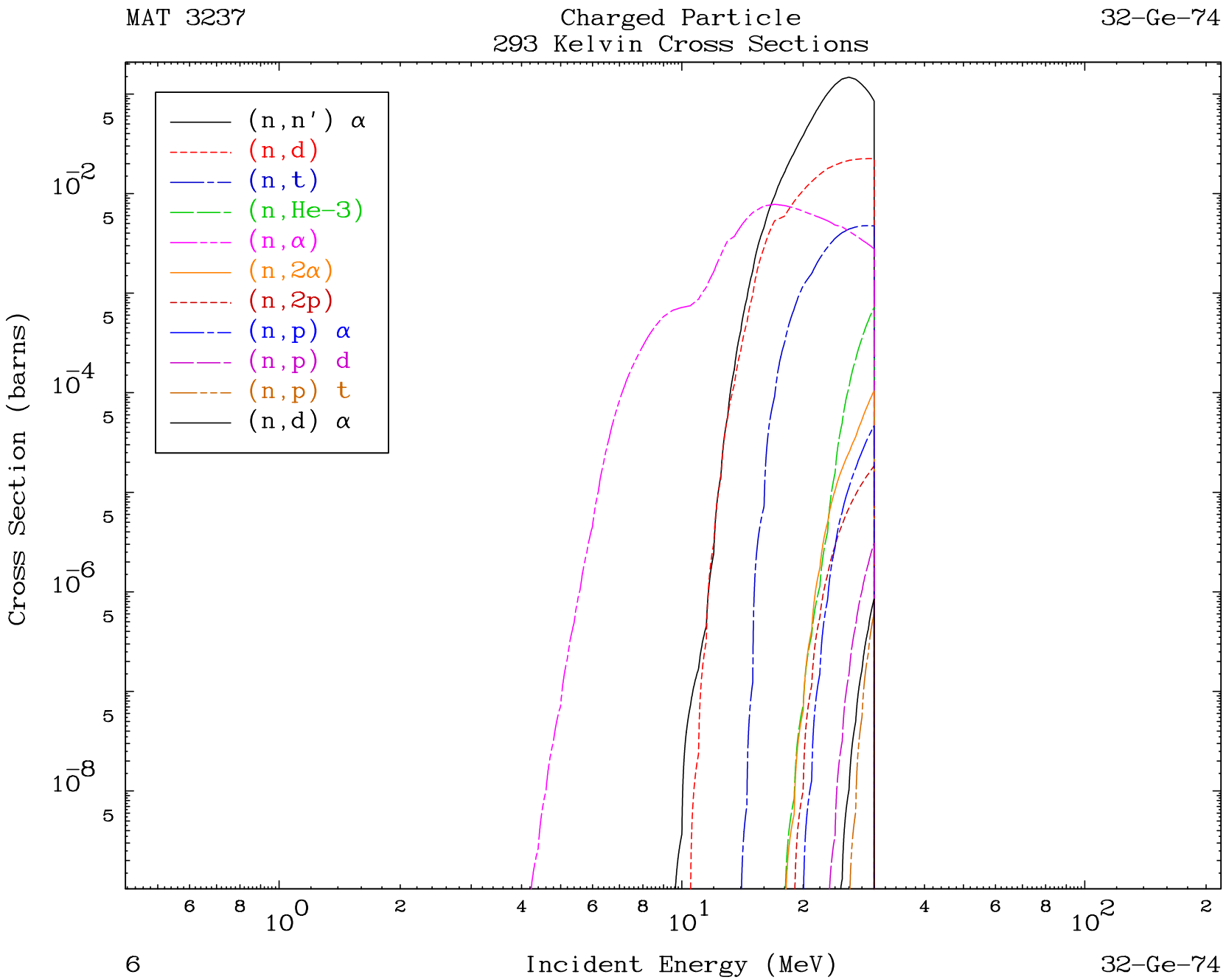

MAT 3237
Neutron Major
293 Kelvin Cross Sections
32-Ge-74
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
32-Ge-74

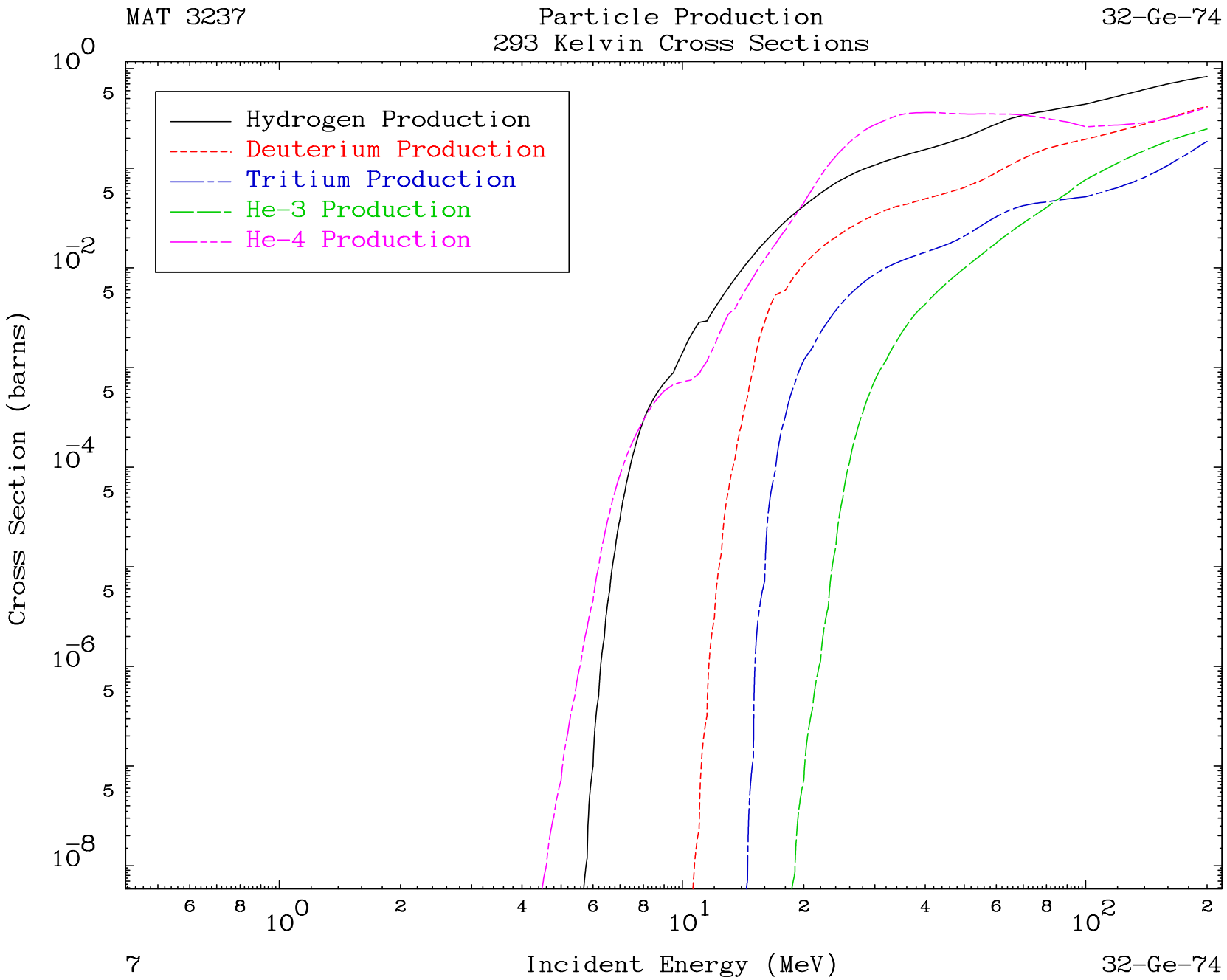

MAT 3237
Neutron Absorption
293 Kelvin Cross Sections
32-Ge-74
Cross Section (barns)
Incident Energy (MeV)
32-Ge-74
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

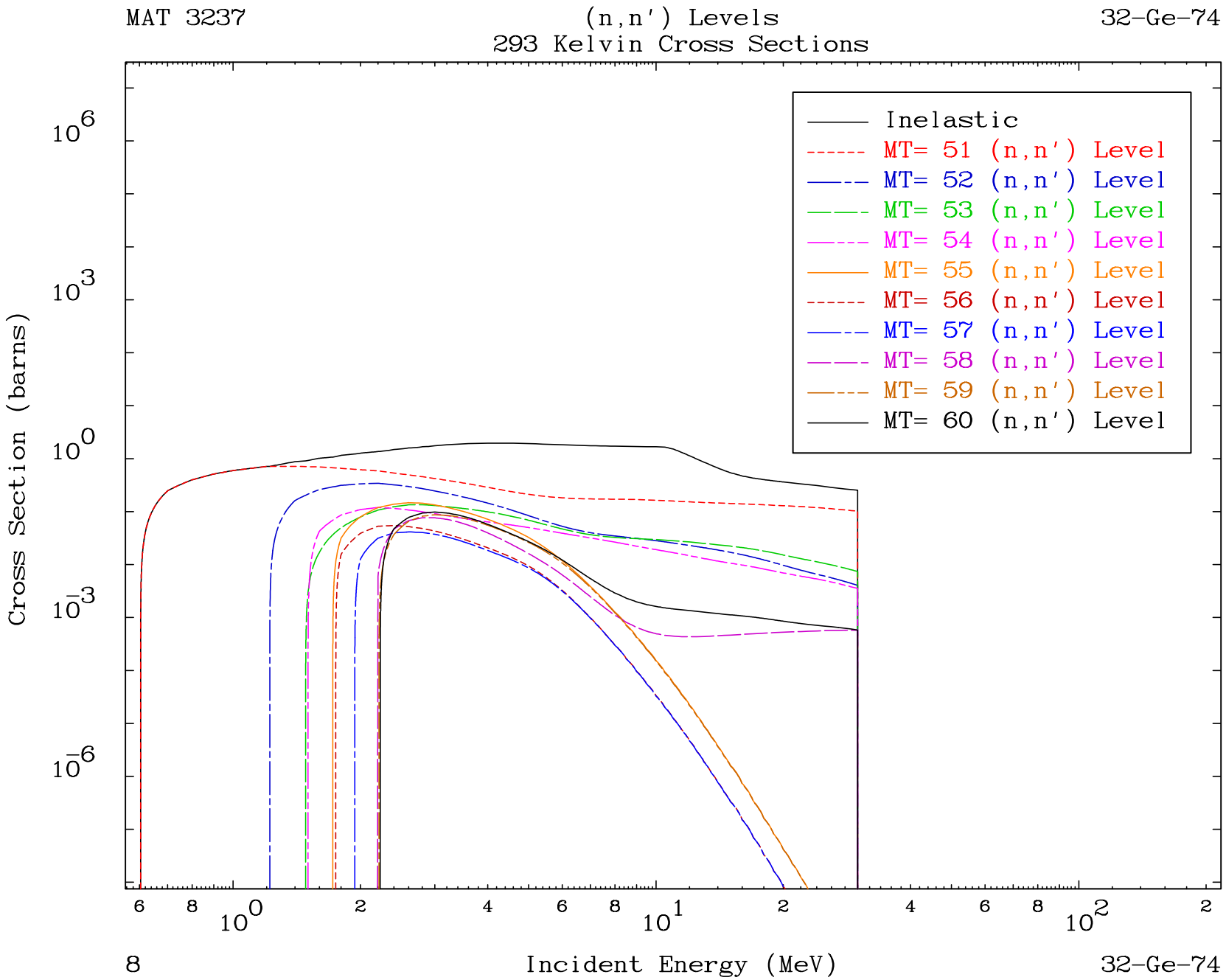

MAT 3237
Neutron Absorption
293 Kelvin Cross Sections
32-Ge-74
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
3
32-Ge-74

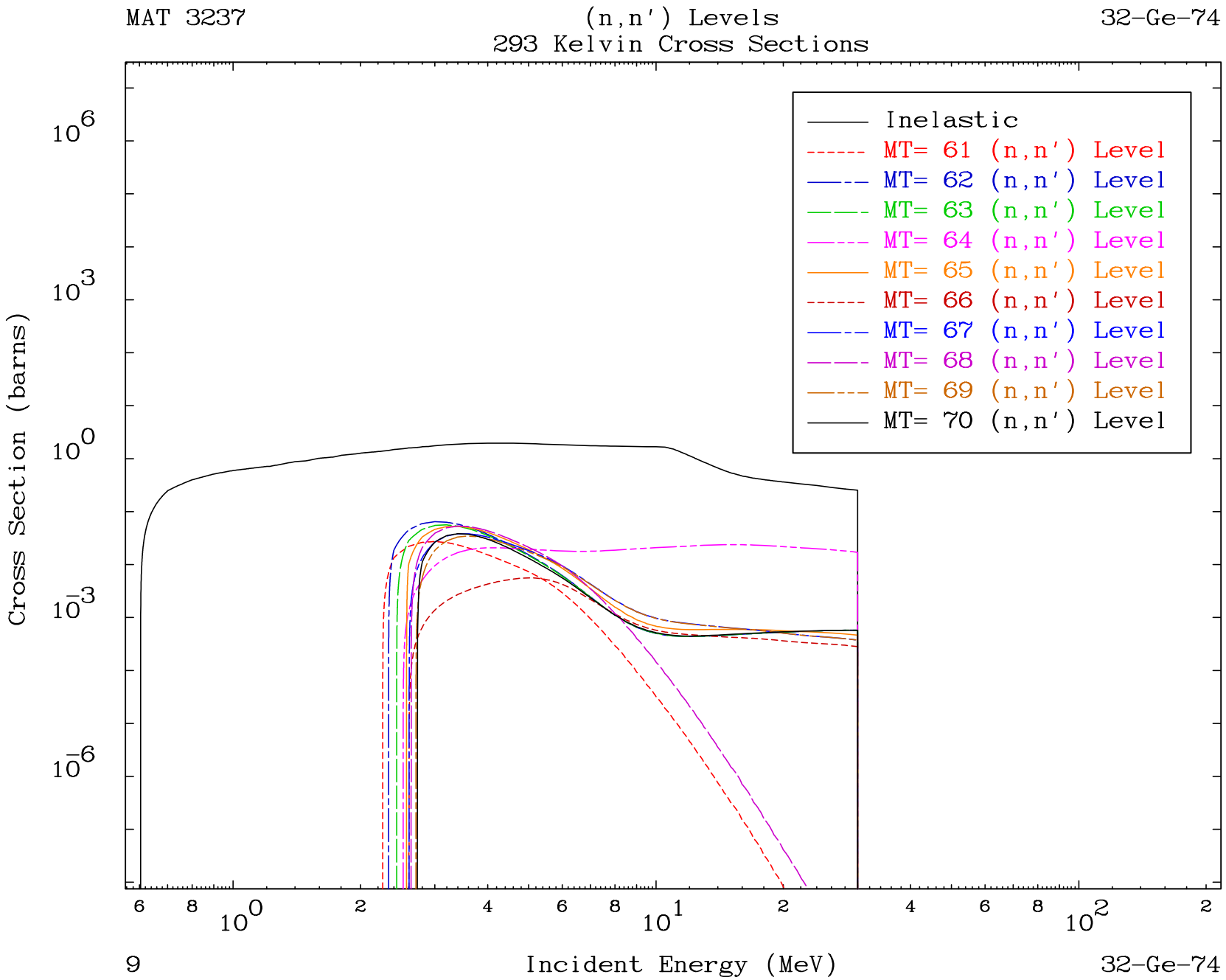

MAT 3237
Neutron Absorption
293 Kelvin Cross Sections
32-Ge-74
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
32-Ge-74

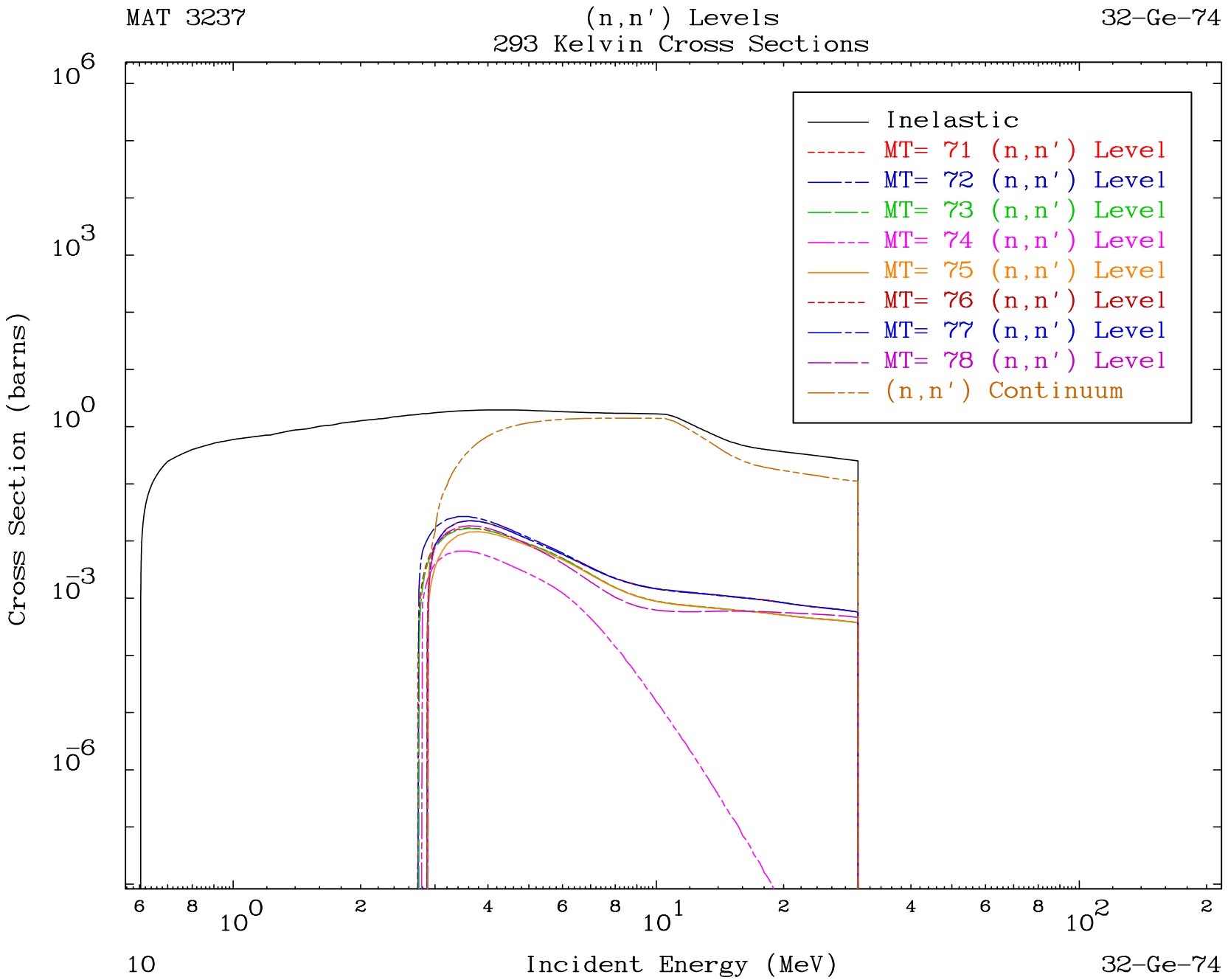

MAT 3237
Charged Particle
293 Kelvin Cross Sections
32-Ge-74
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

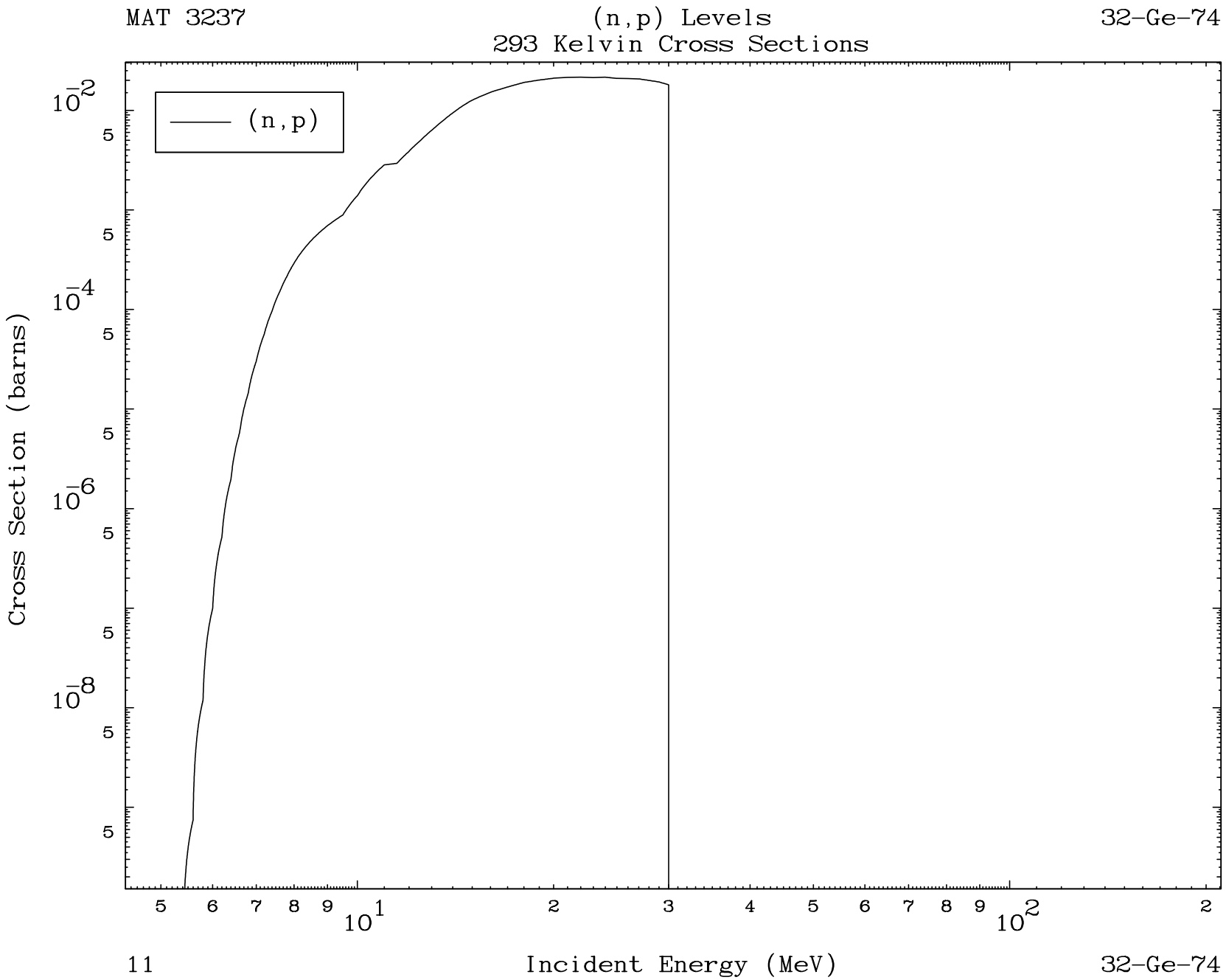

MAT 3237
Charged Particle
293 Kelvin Cross Sections
32-Ge-74
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
32-Ge-74

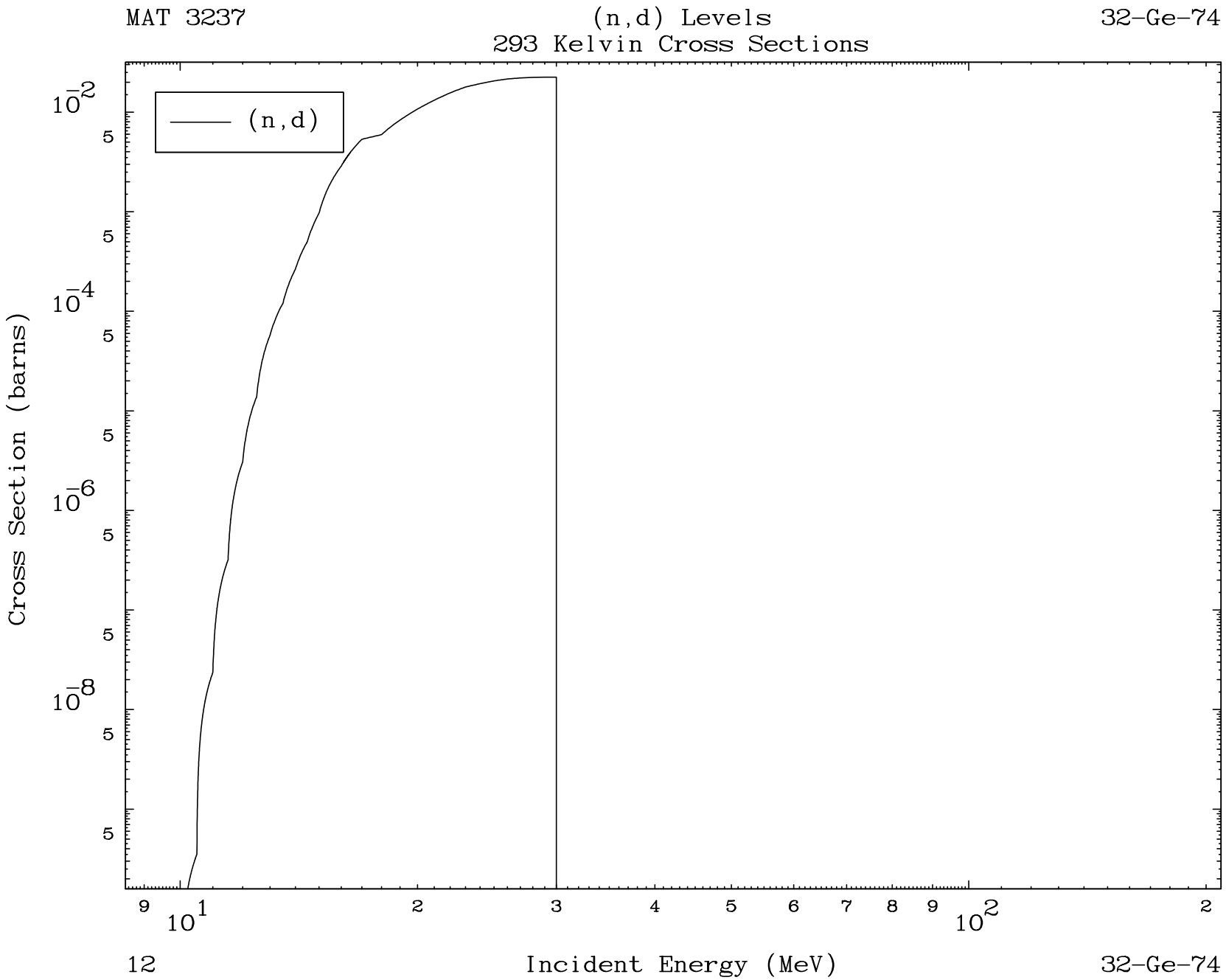

MAT 3237
Particle Production
293 Kelvin Cross Sections
32-Ge-74
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
32-Ge-74
7

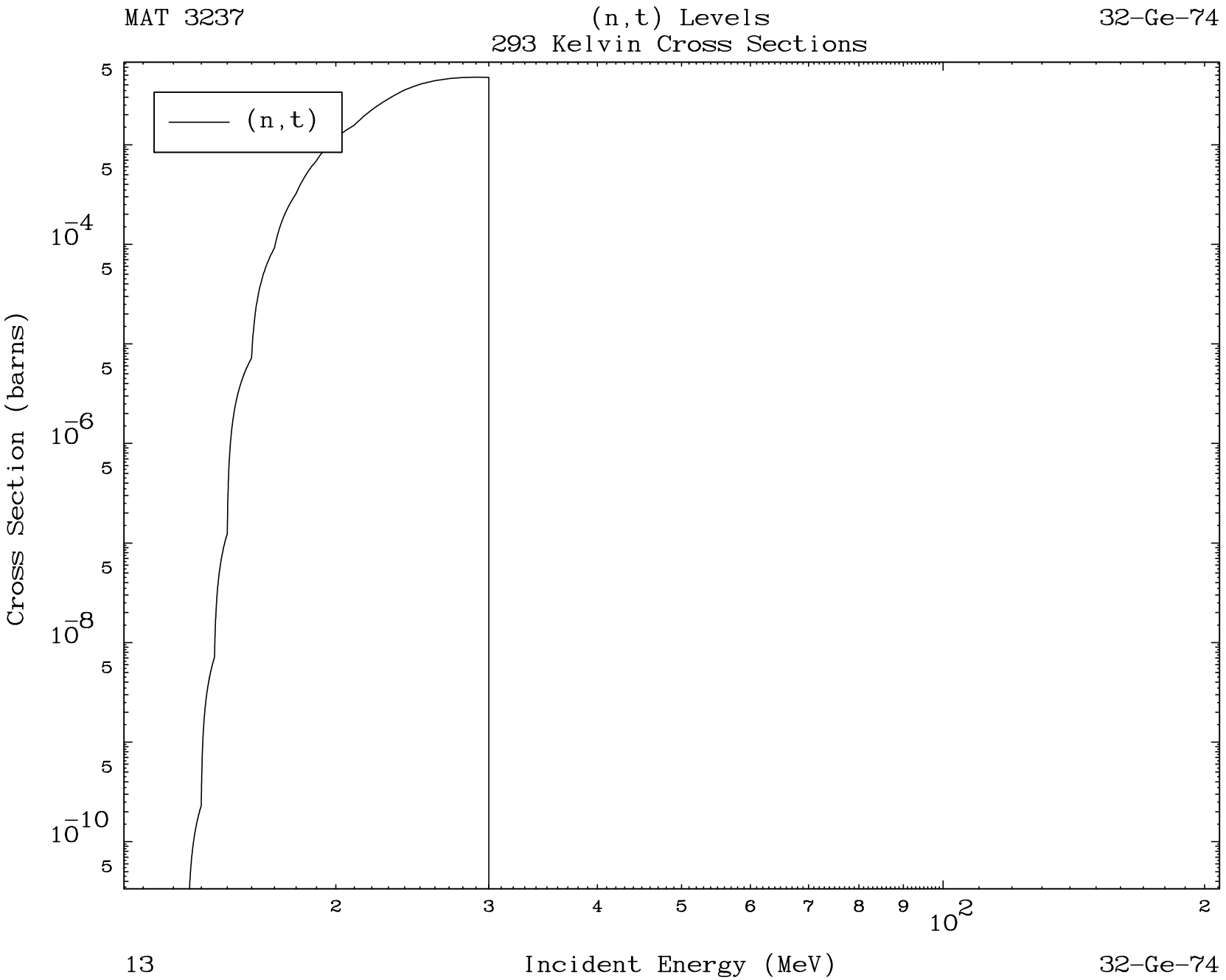

MAT 3237
(n,n') Levels
293 Kelvin Cross Sections
32-Ge-74
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
32-Ge-74

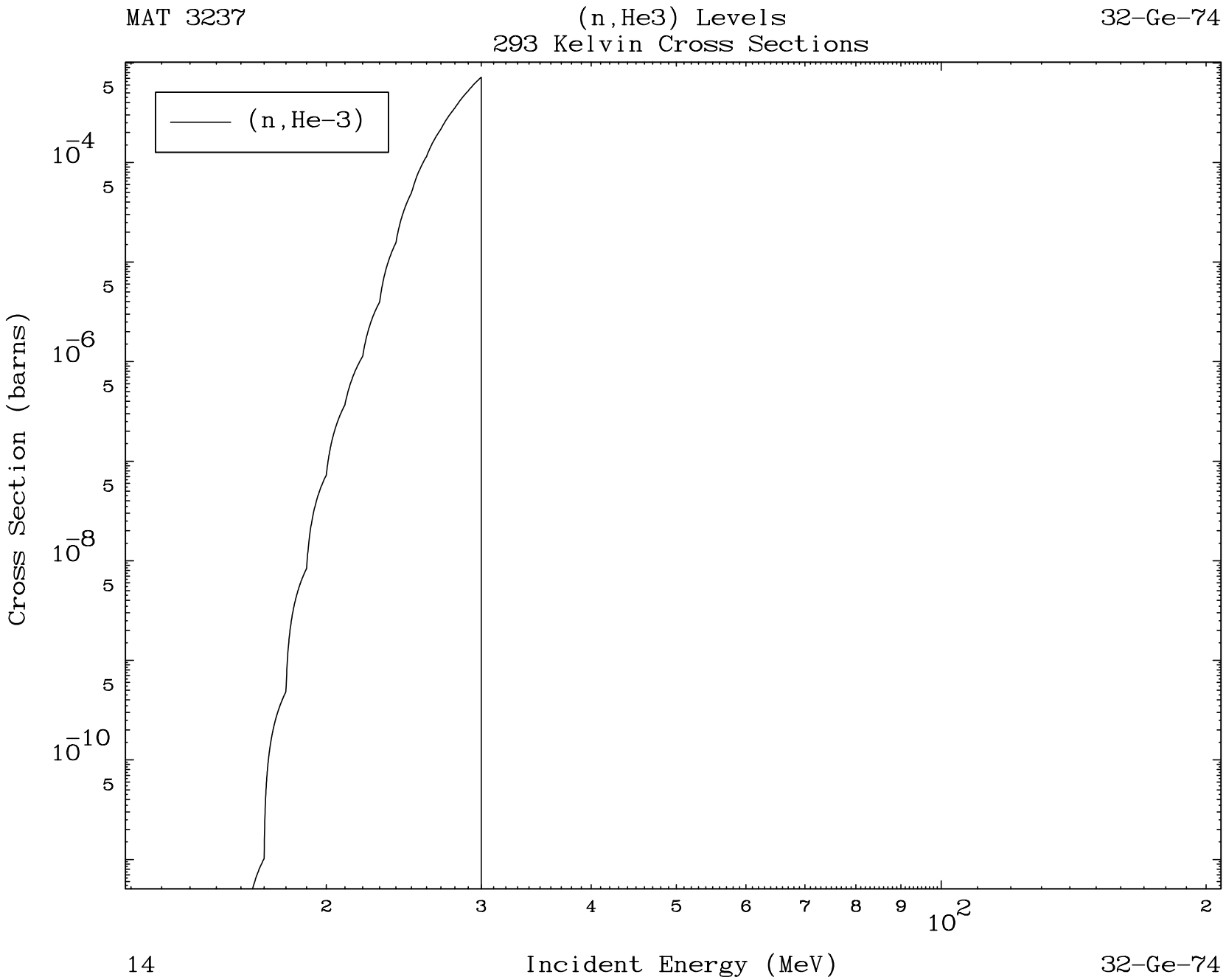

MAT 3237
(n,n') Levels
293 Kelvin Cross Sections
32-Ge-74
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
32-Ge-74

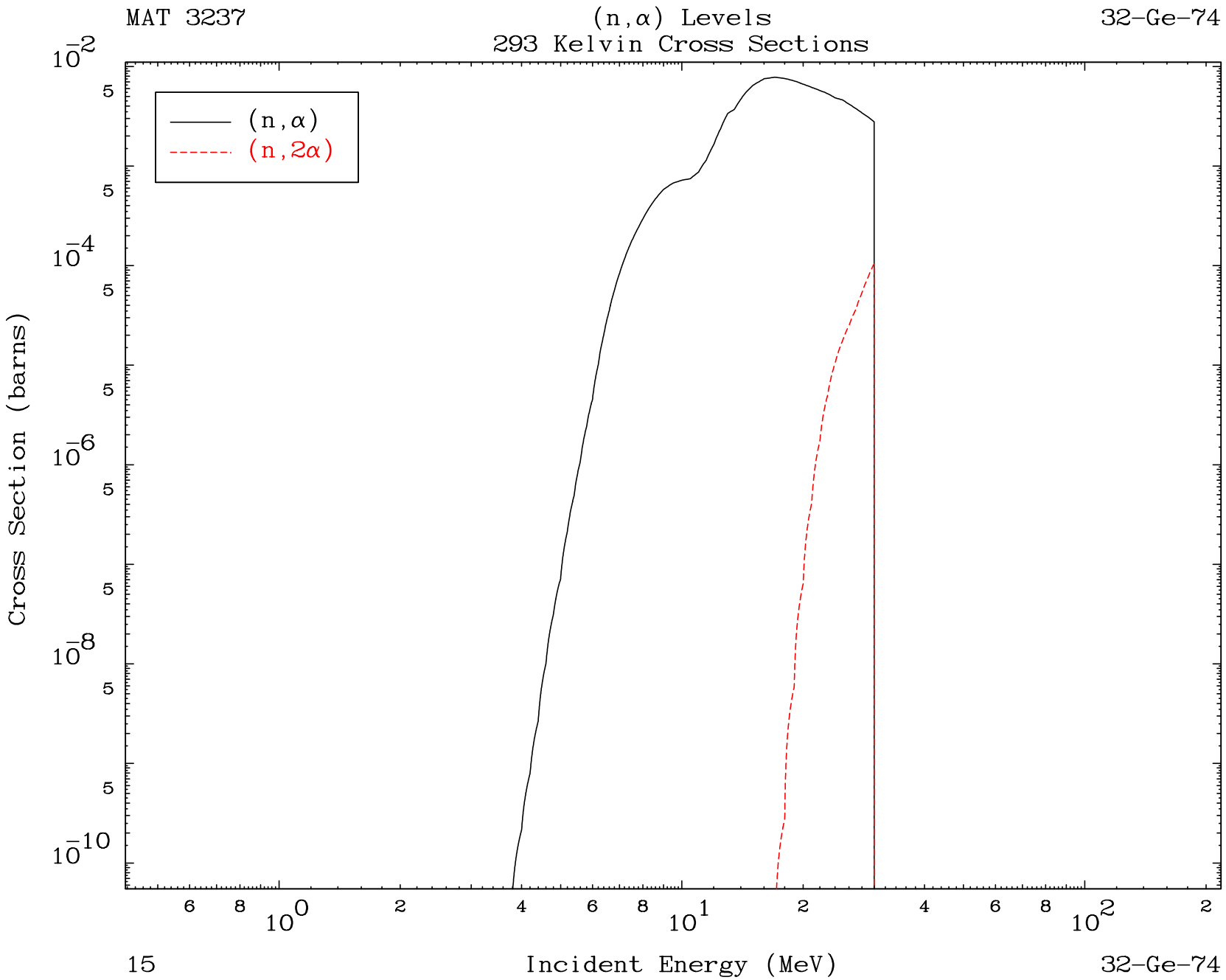

MAT 3237
(n,n') Levels
293 Kelvin Cross Sections
32-Ge-74
Inelastic
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
32-Ge-74

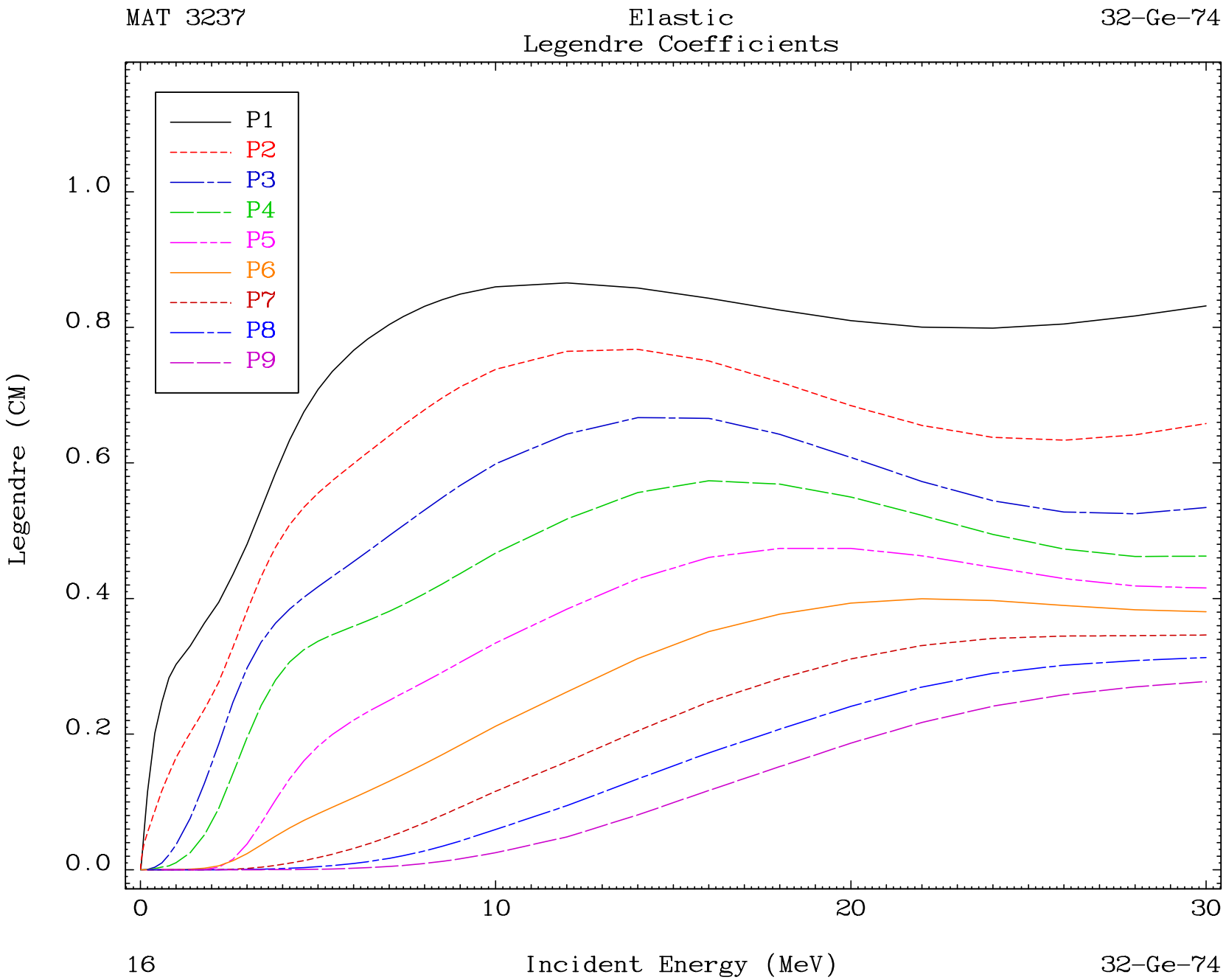

MAT 3237
(n,p) Levels
32-Ge-74
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
11
32-Ge-74

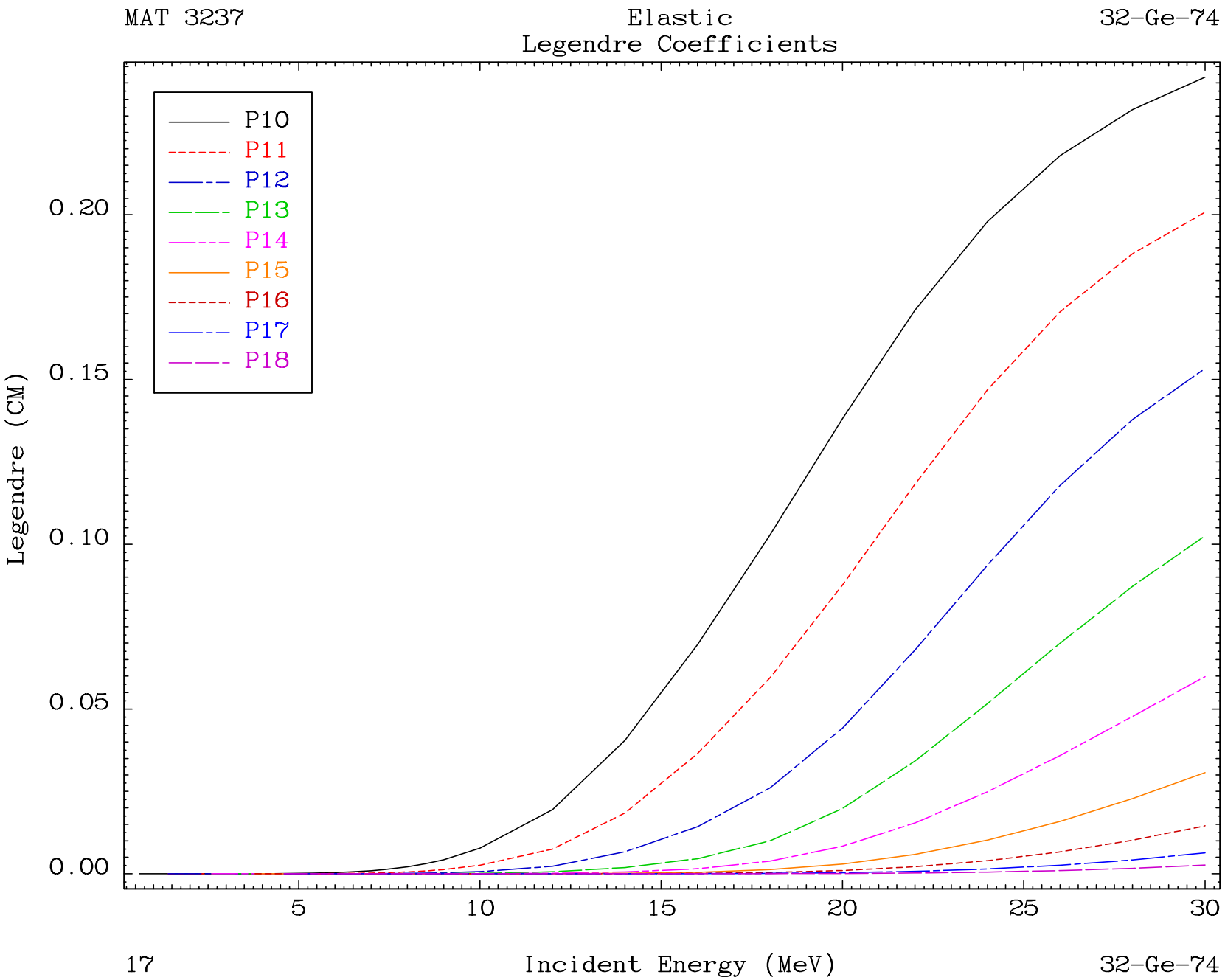

MAT 3237
(n,d) Levels
32-Ge-74
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
32-Ge-74

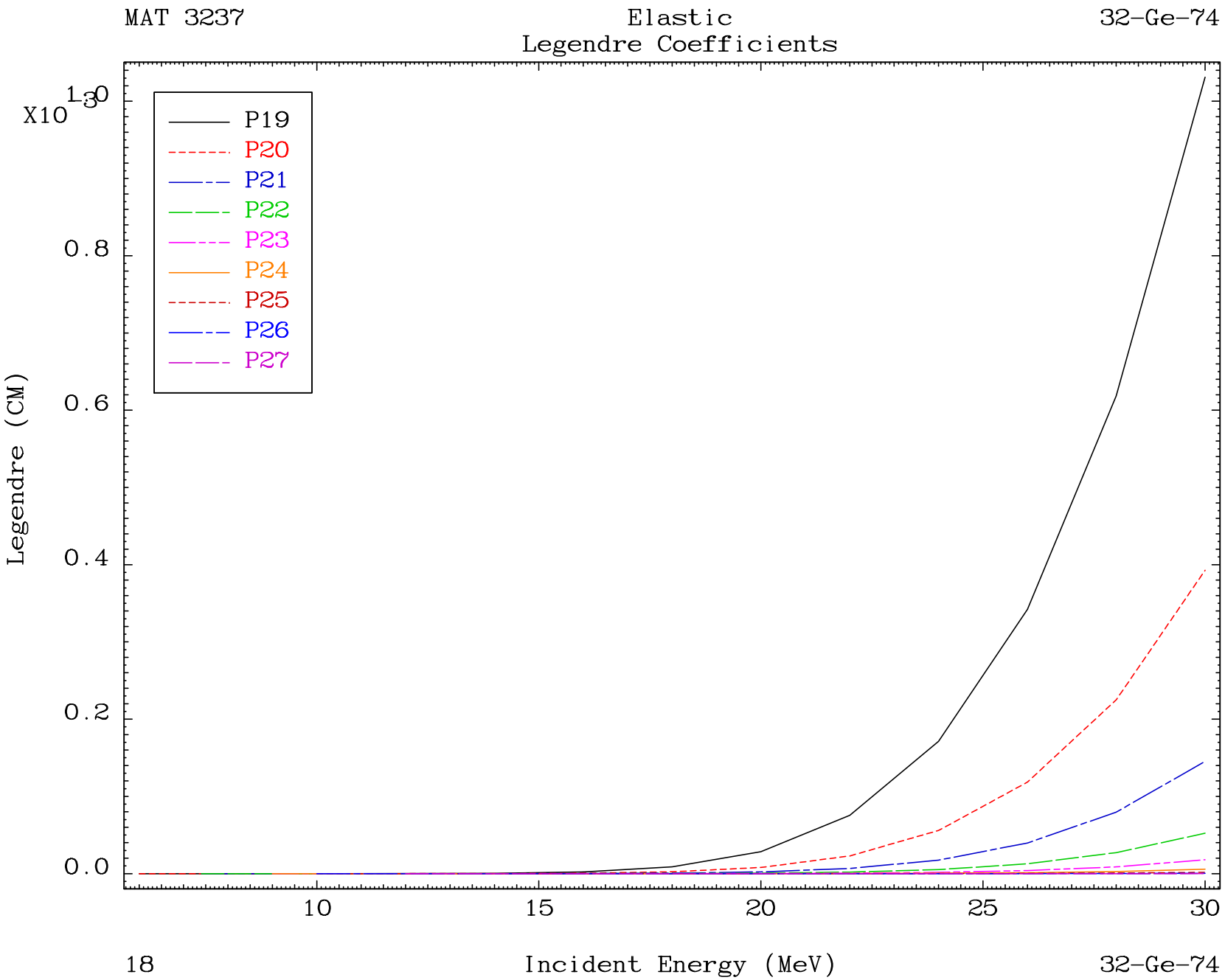

MAT 3237
(n,t) Levels
32-Ge-74
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
13
32-Ge-74

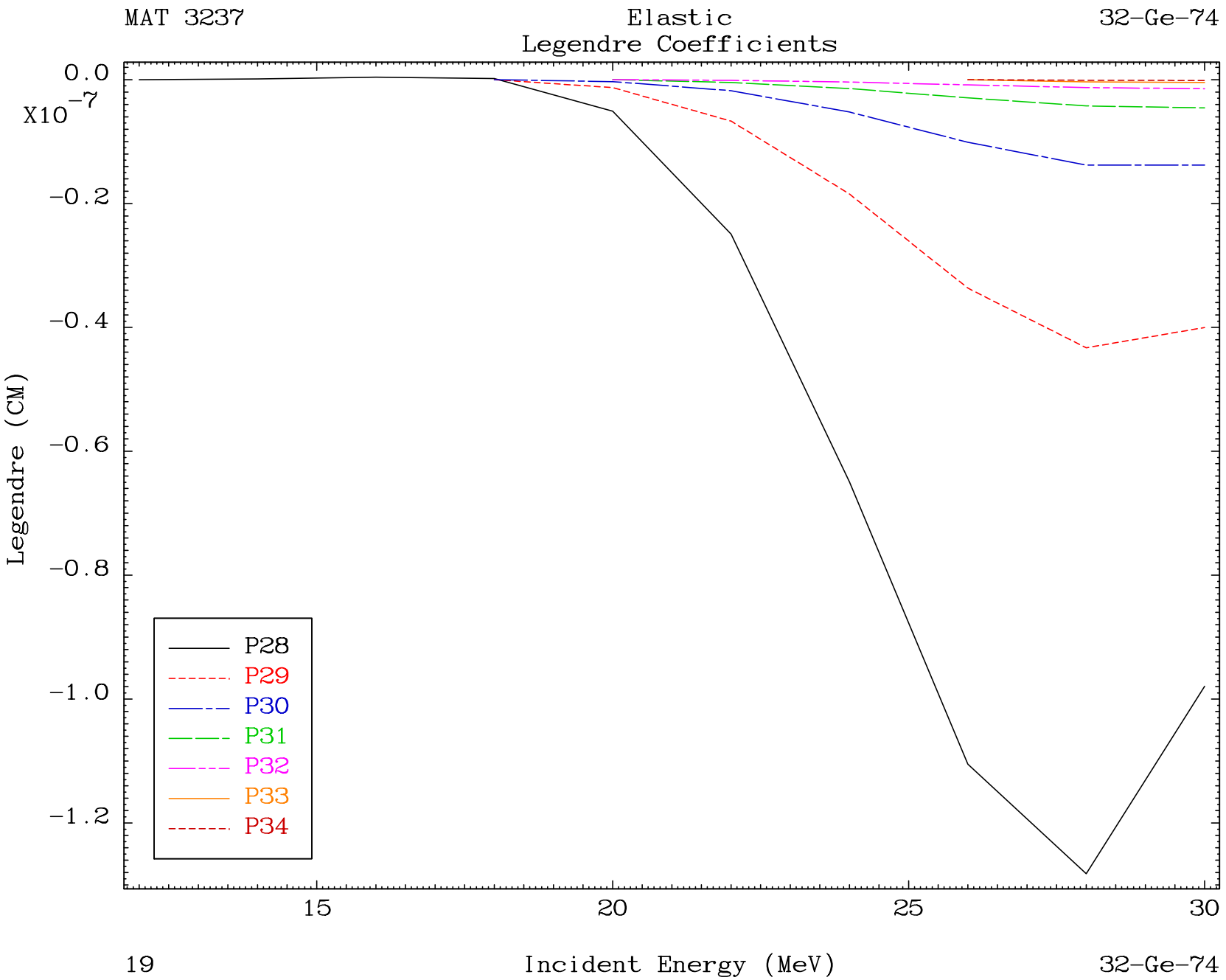

MAT 3237
(n,He3) Levels
32-Ge-74
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
32-Ge-74

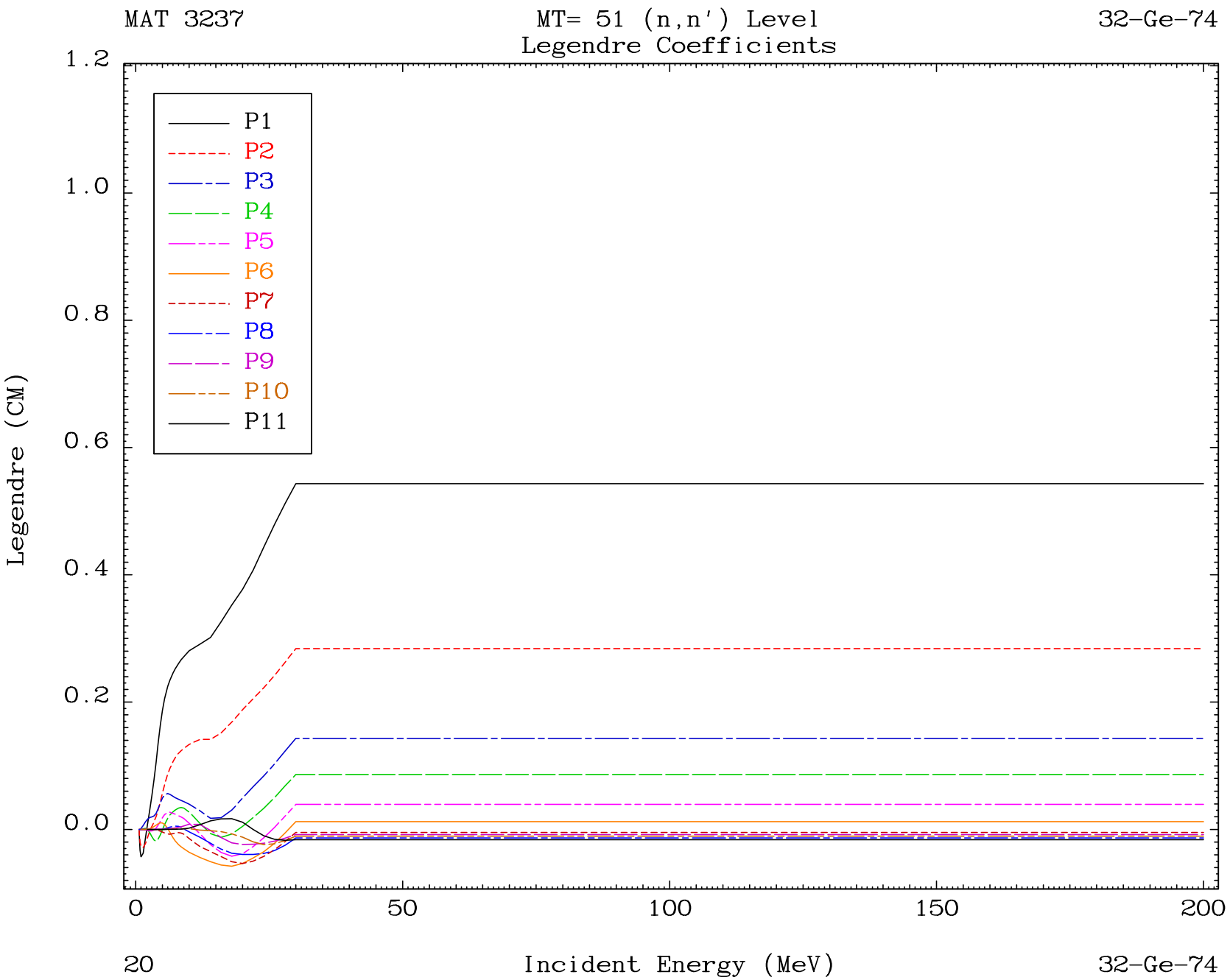

MAT 3237
(n,α) Levels
32-Ge-74
293 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
15
32-Ge-74

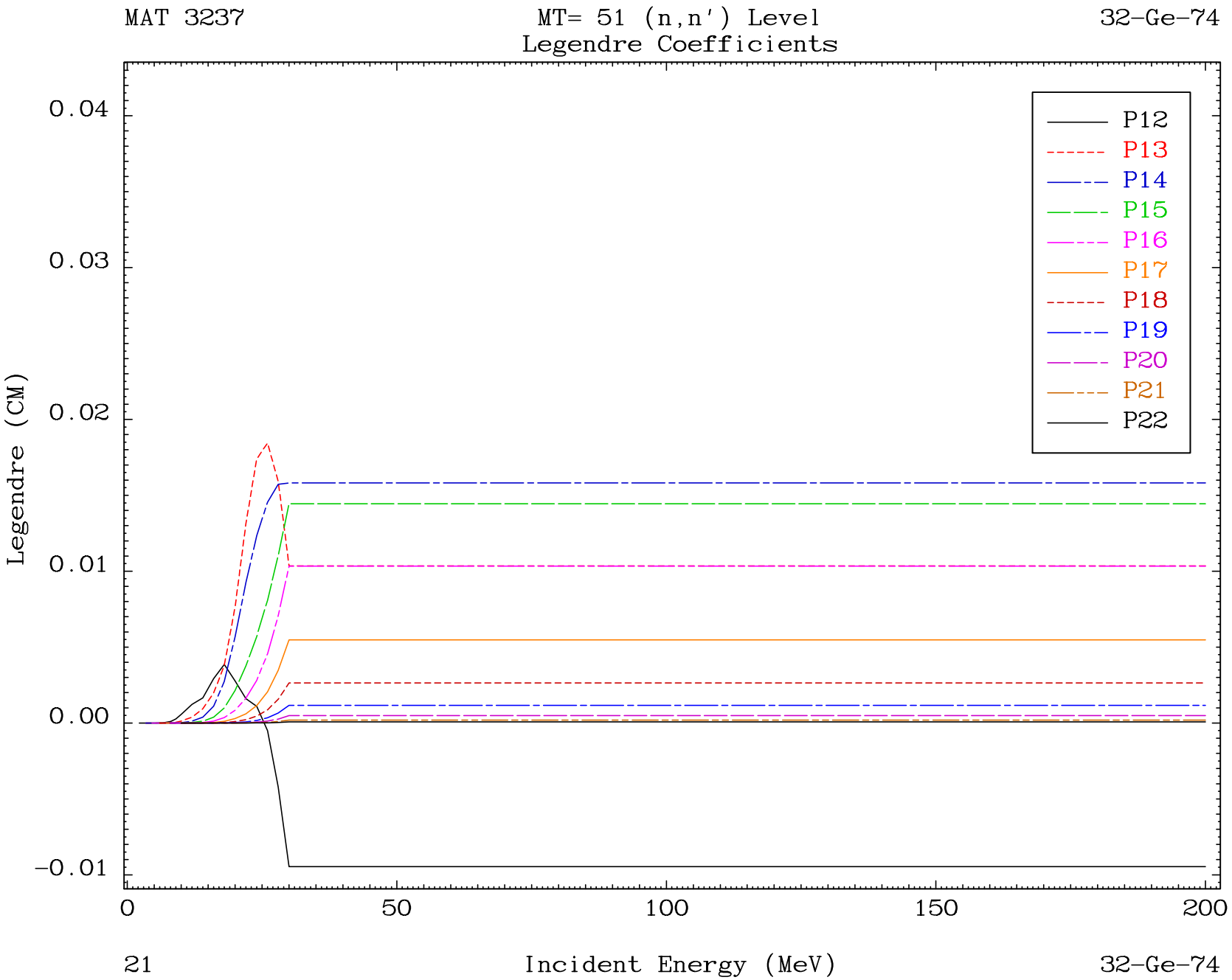

MAT 3237
Elastic
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
16
Incident Energy (MeV)
32-Ge-74

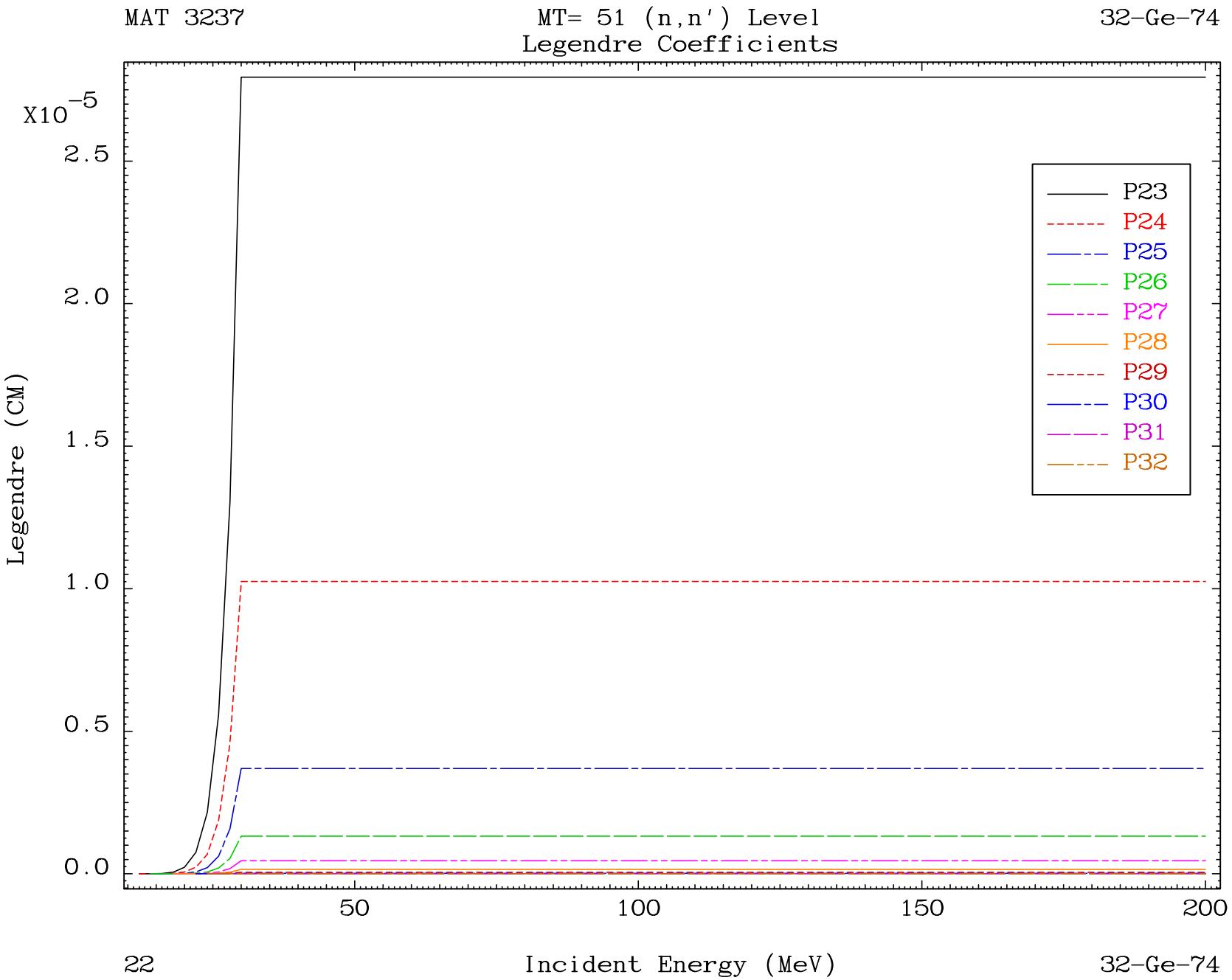

MAT 3237
Elastic
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.00
0.05
0.10
0.15
0.20
5
10
15
20
25
30
17
Incident Energy (MeV)
32-Ge-74

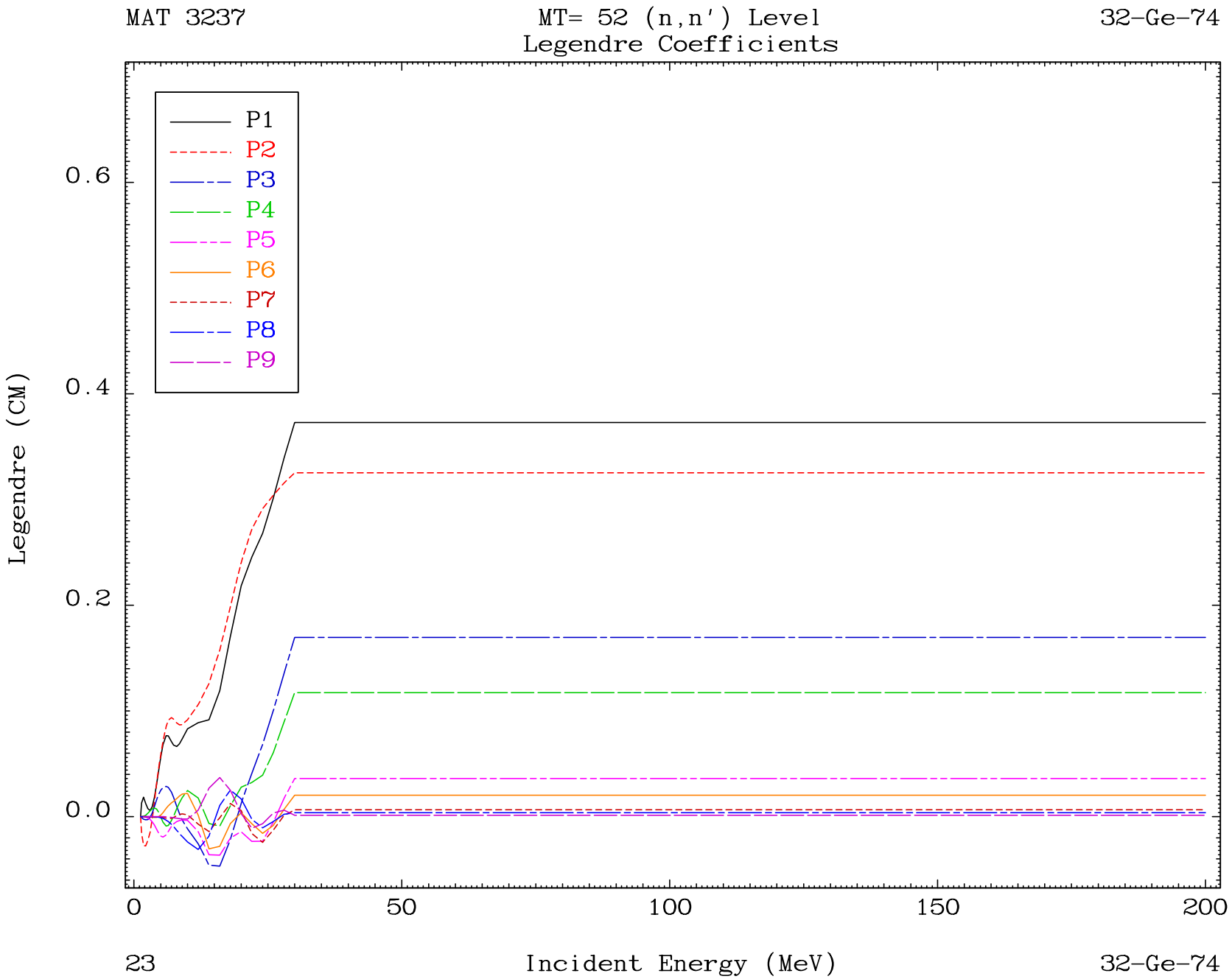

MAT 3237
Elastic
Legendre Coefficients
32-Ge-74
X10-3
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
10
15
20
25
30
18
Incident Energy (MeV)
32-Ge-74

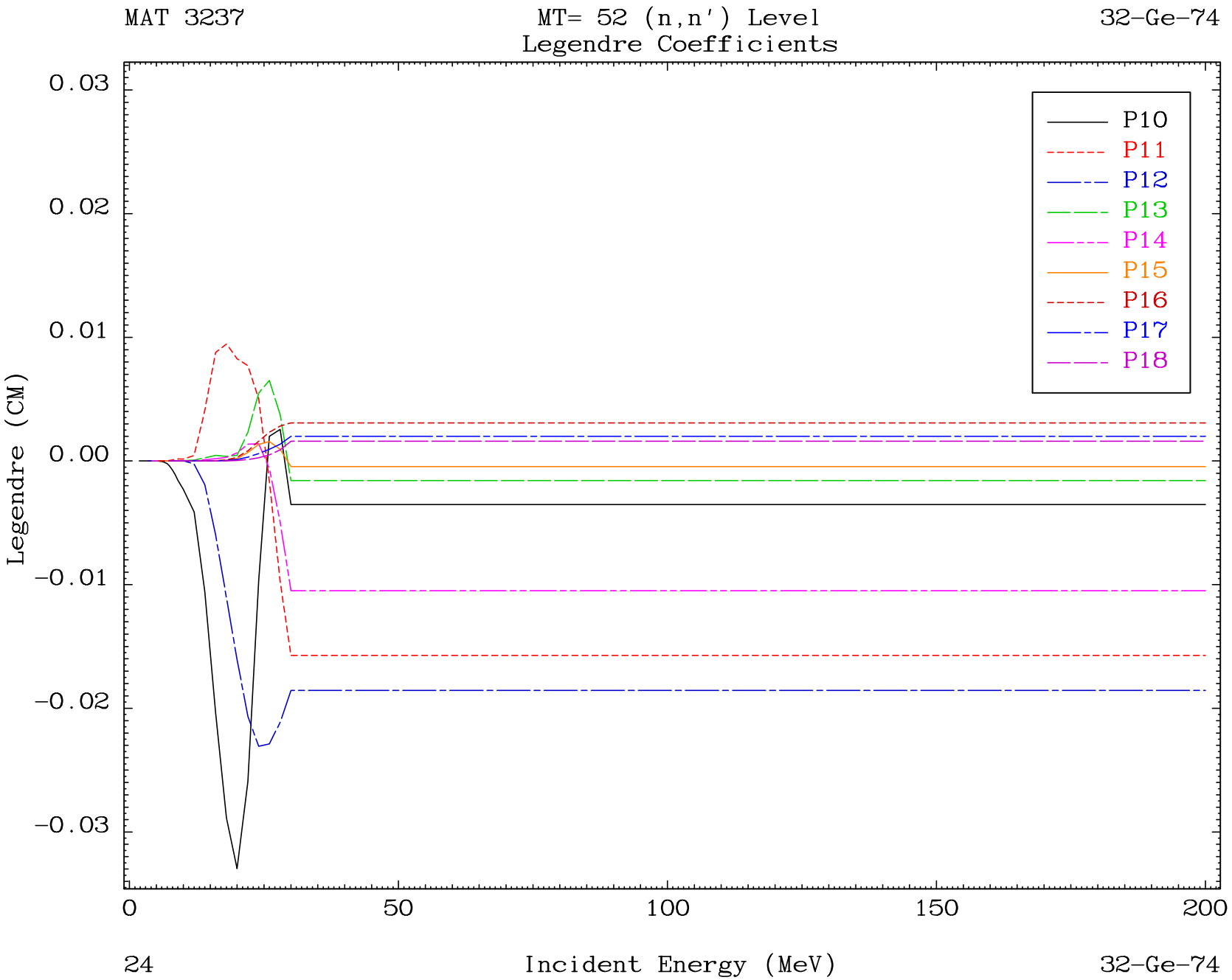

MAT 3237
Elastic
Legendre Coefficients
32-Ge-74
0.0
X10^-7
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
15
20
25
30
19
Incident Energy (MeV)
32-Ge-74

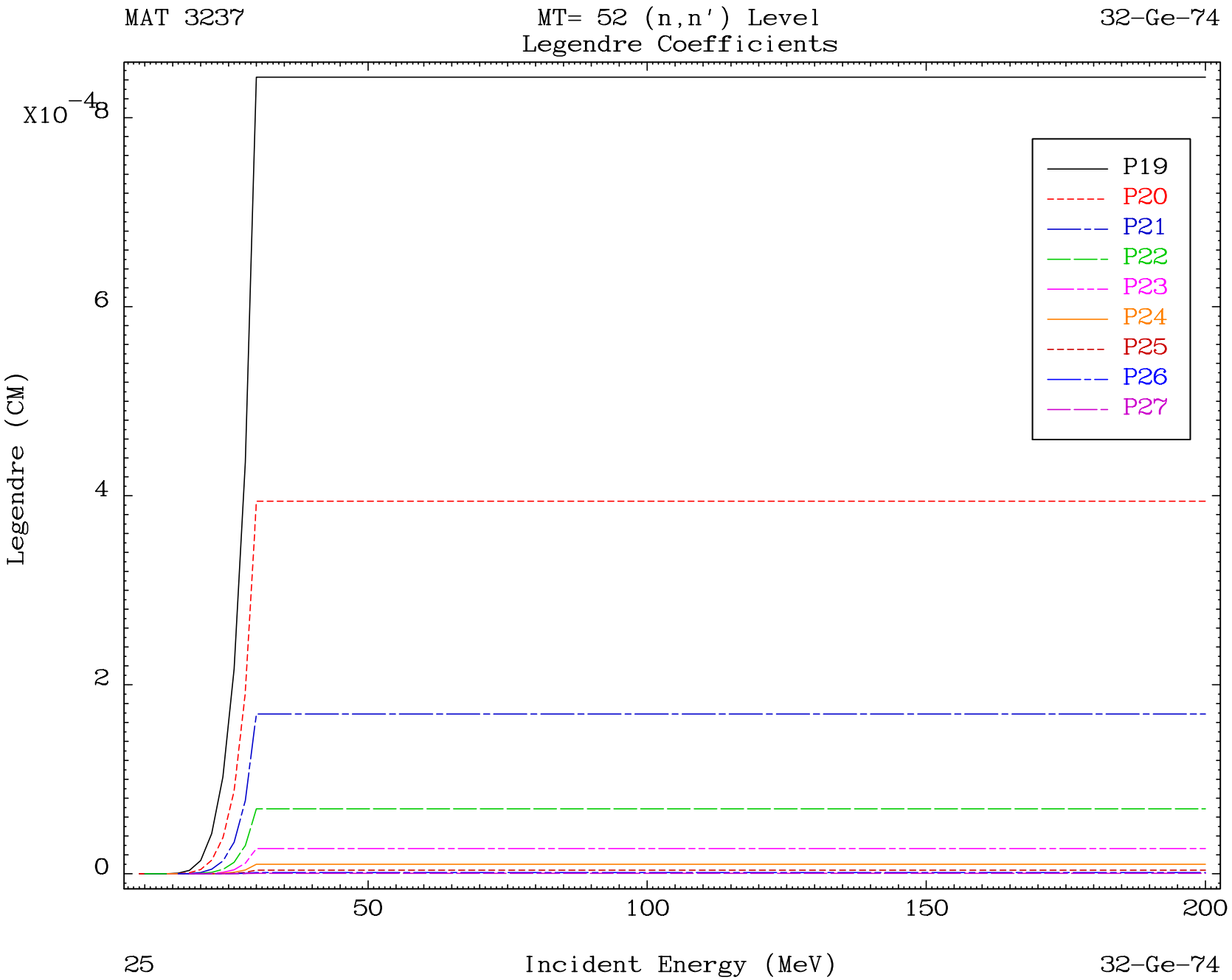

MAT 3237
MT= 51 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
20
Incident Energy (MeV)
32-Ge-74

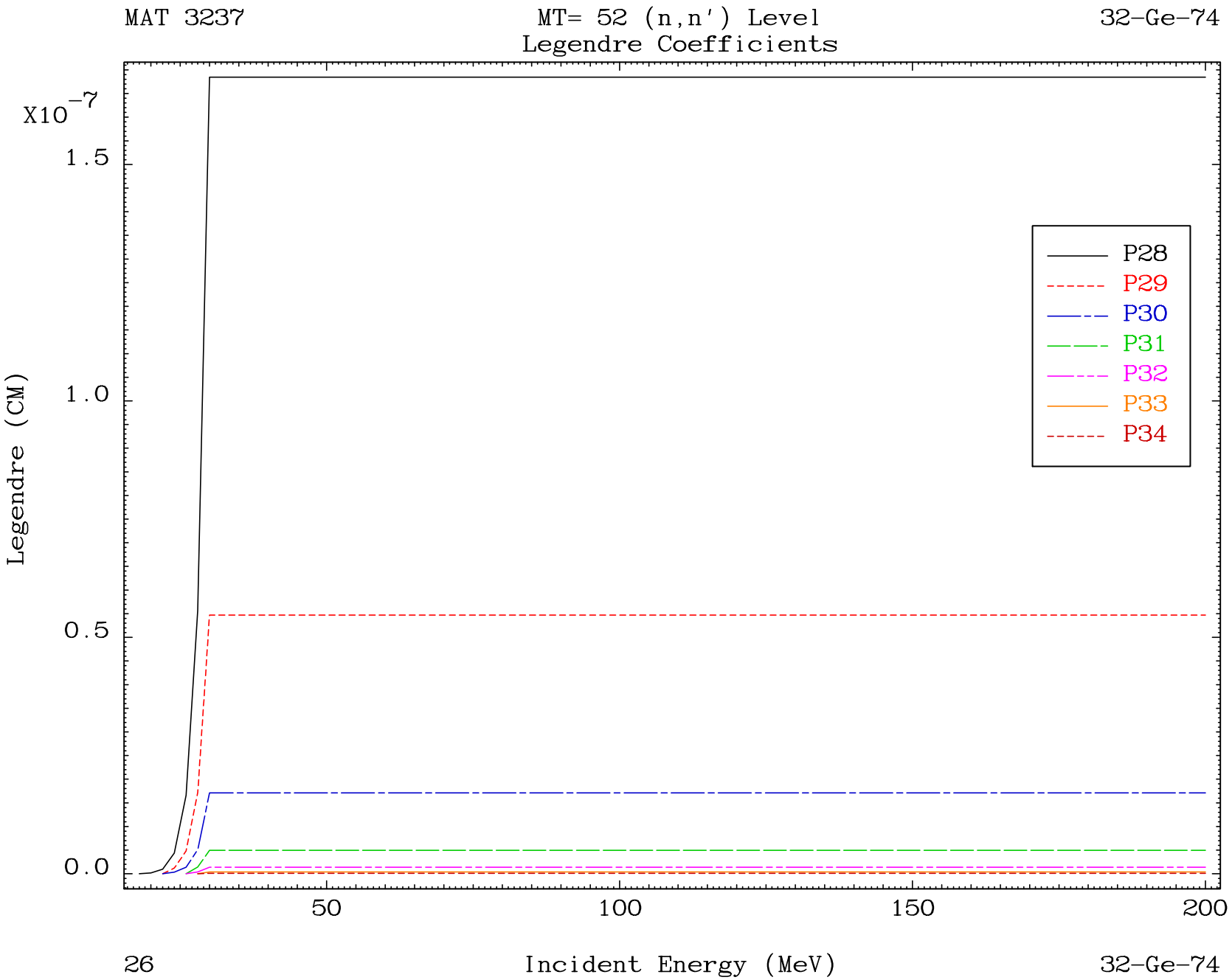

MAT 3237
MT= 51 (n,n') Level
Legendre Coefficients
32-Ge-74
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0
50
100
150
200
21
Incident Energy (MeV)
32-Ge-74

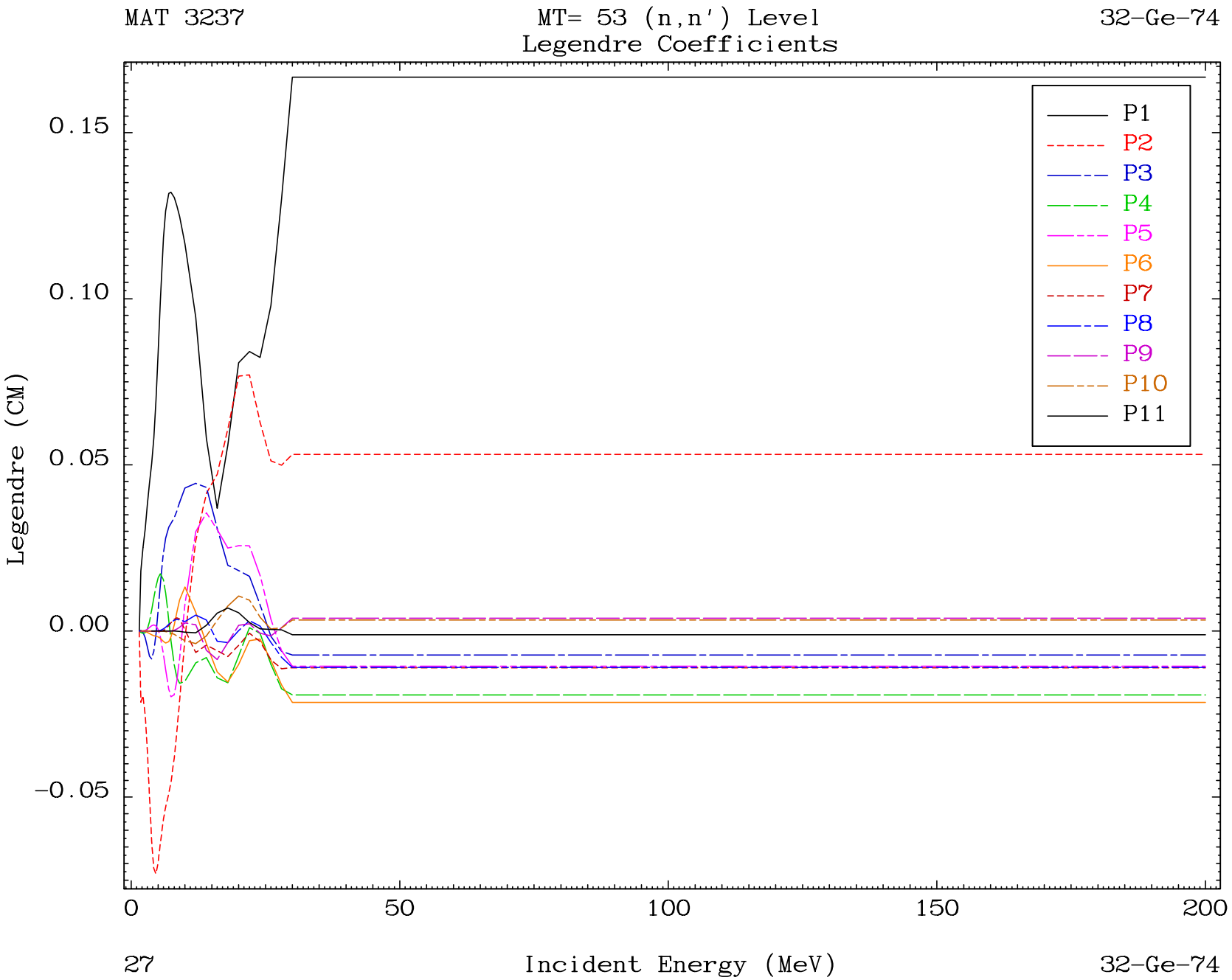

MAT 3237
MT= 51 (n,n') Level
Legendre Coefficients
32-Ge-74
X10 -5
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

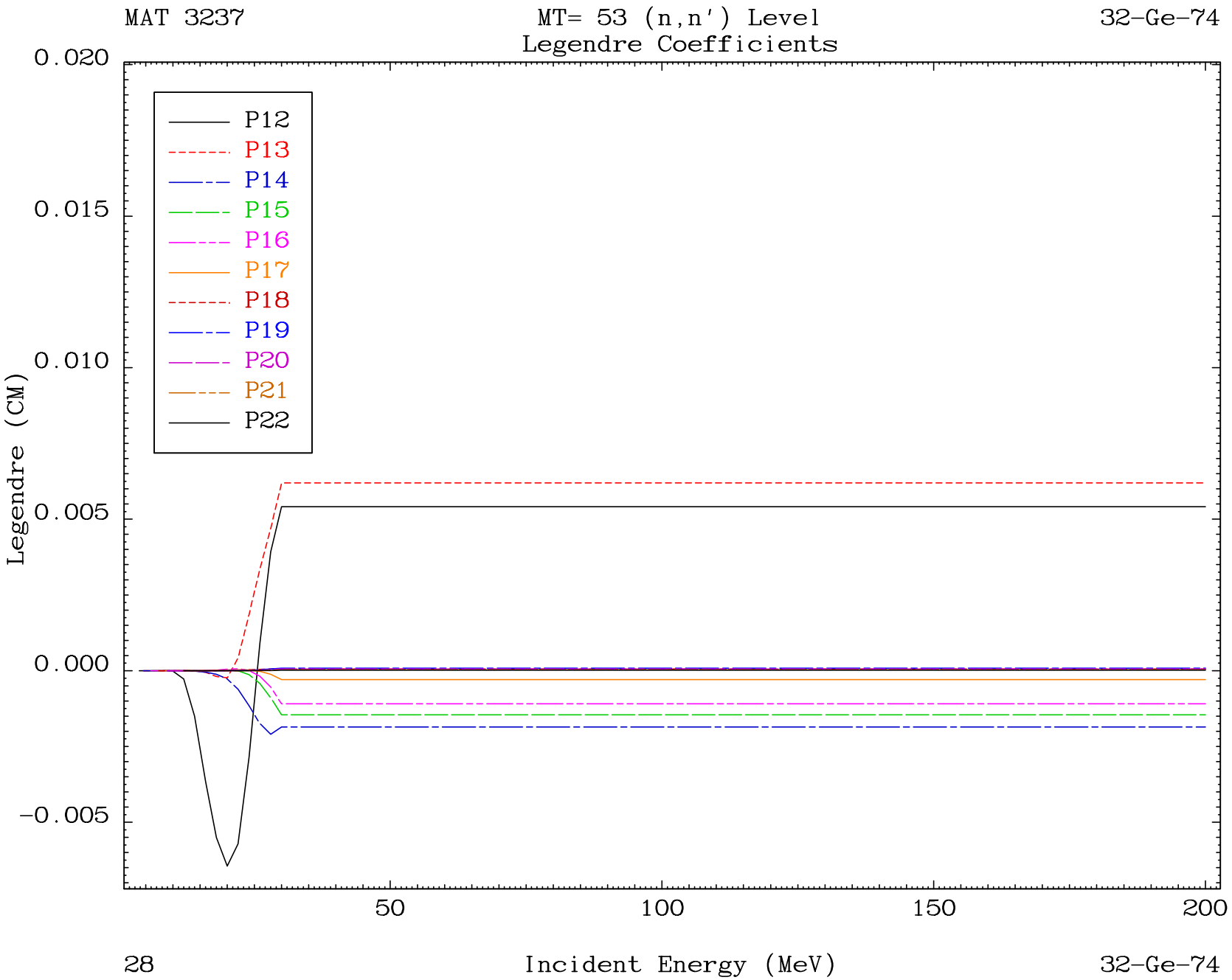

MAT 3237
MT= 52 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.6
0.4
0.2
0.0
0
50
100
150
200
23
Incident Energy (MeV)
32-Ge-74

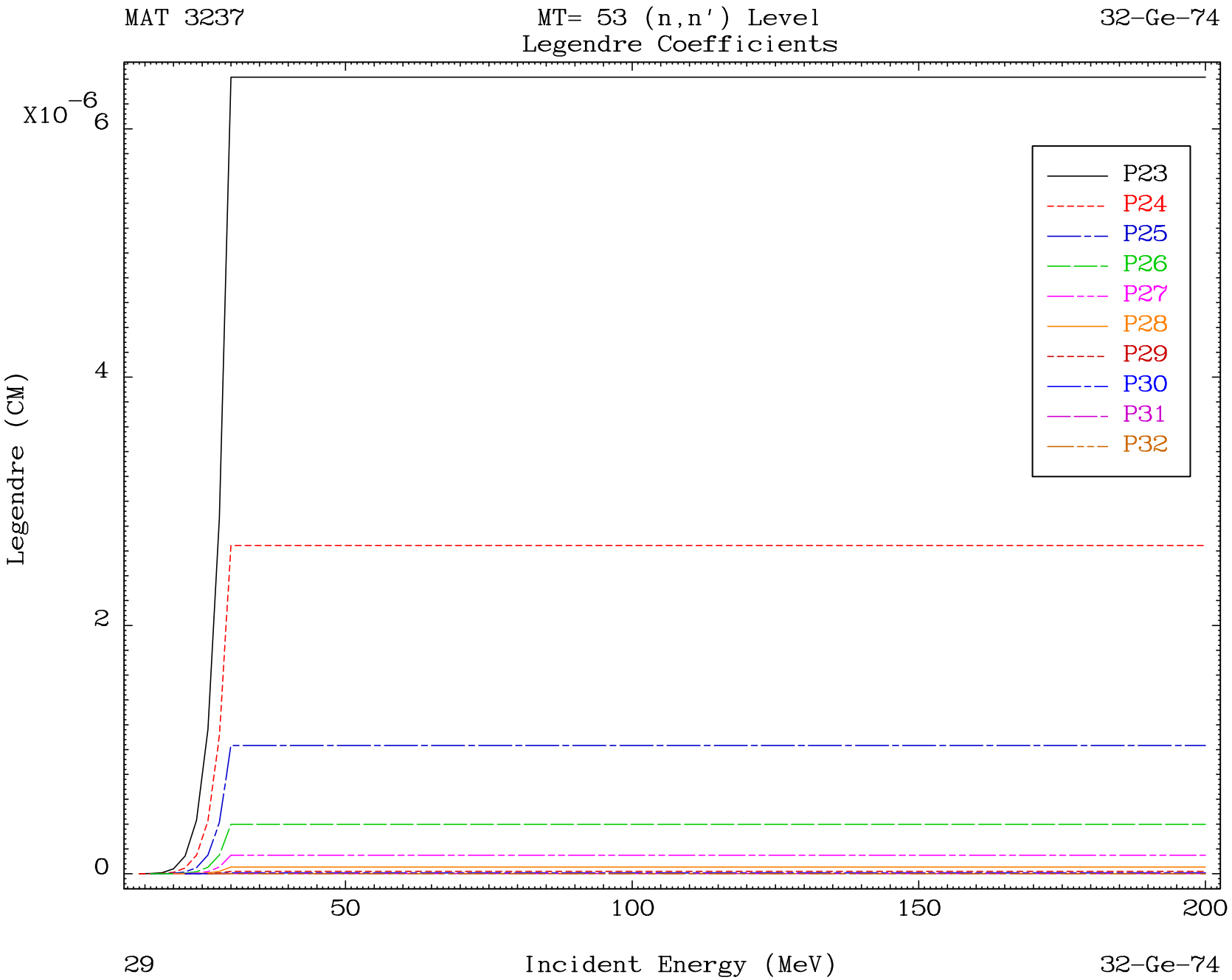

MAT 3237
MT= 52 (n,n') Level
Legendre Coefficients
32-Ge-74
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
24
Incident Energy (MeV)
32-Ge-74

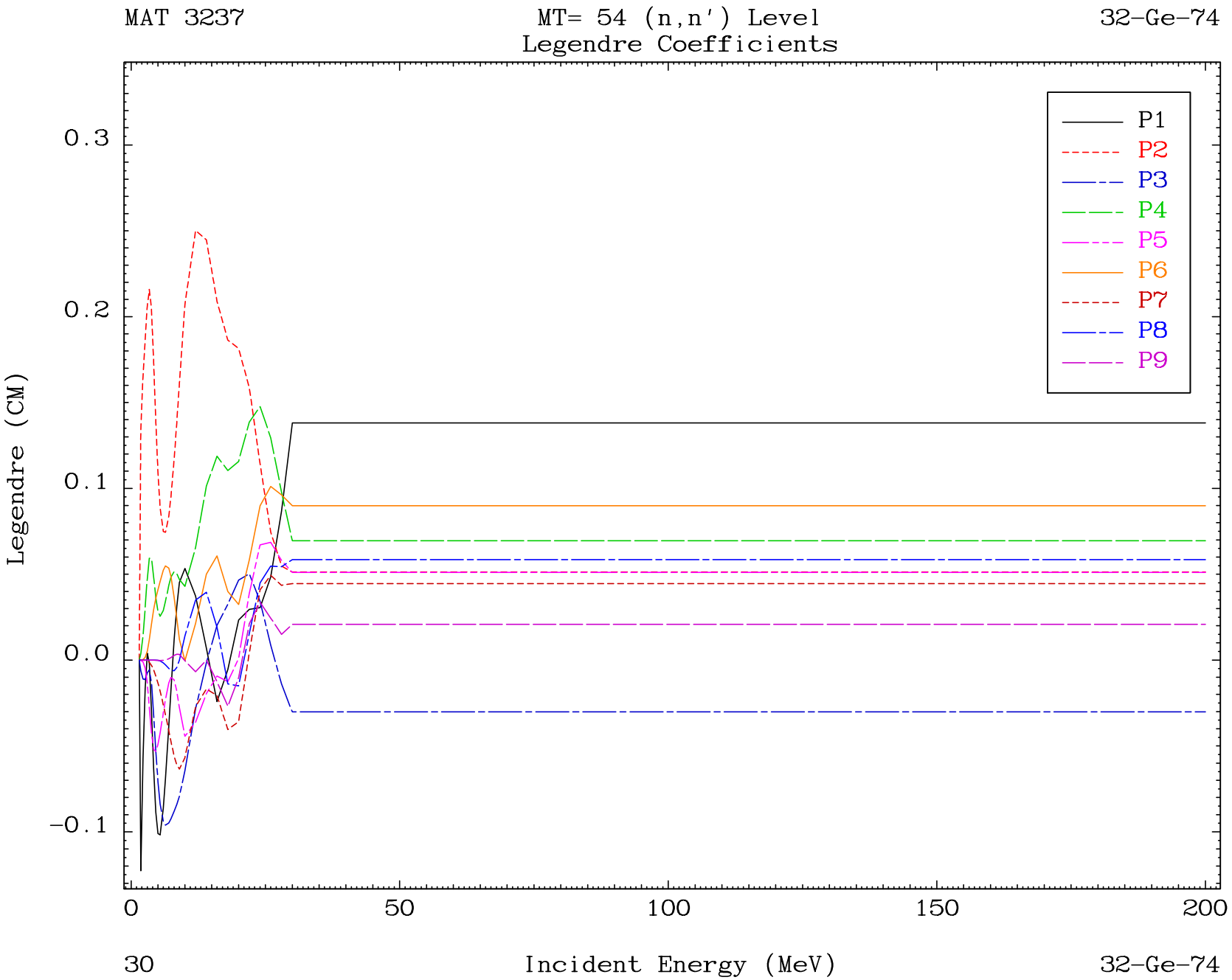

MAT 3237
MT= 52 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-4
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
25
Incident Energy (MeV)
32-Ge-74

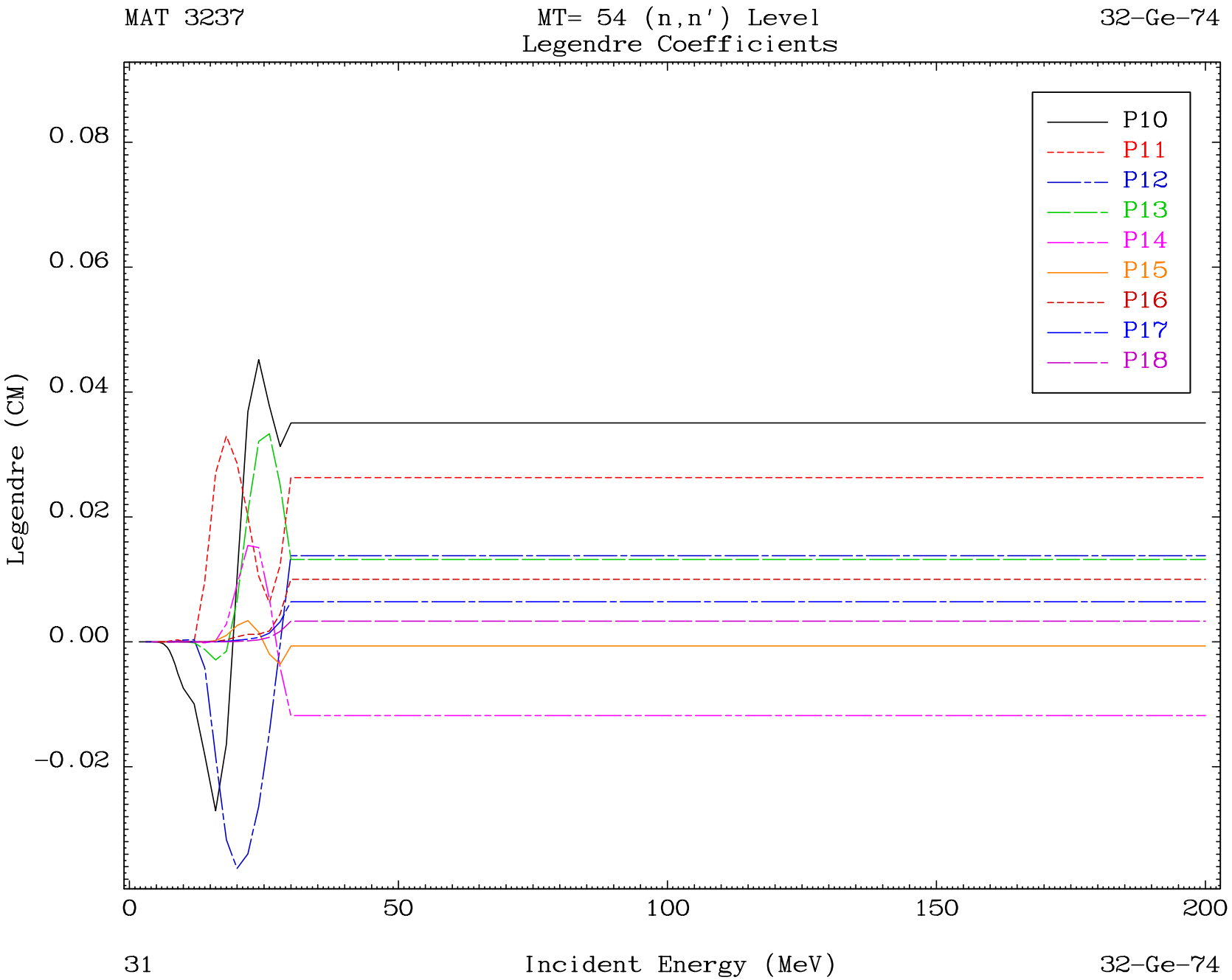

MAT 3237
MT= 52 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
26
Incident Energy (MeV)
32-Ge-74

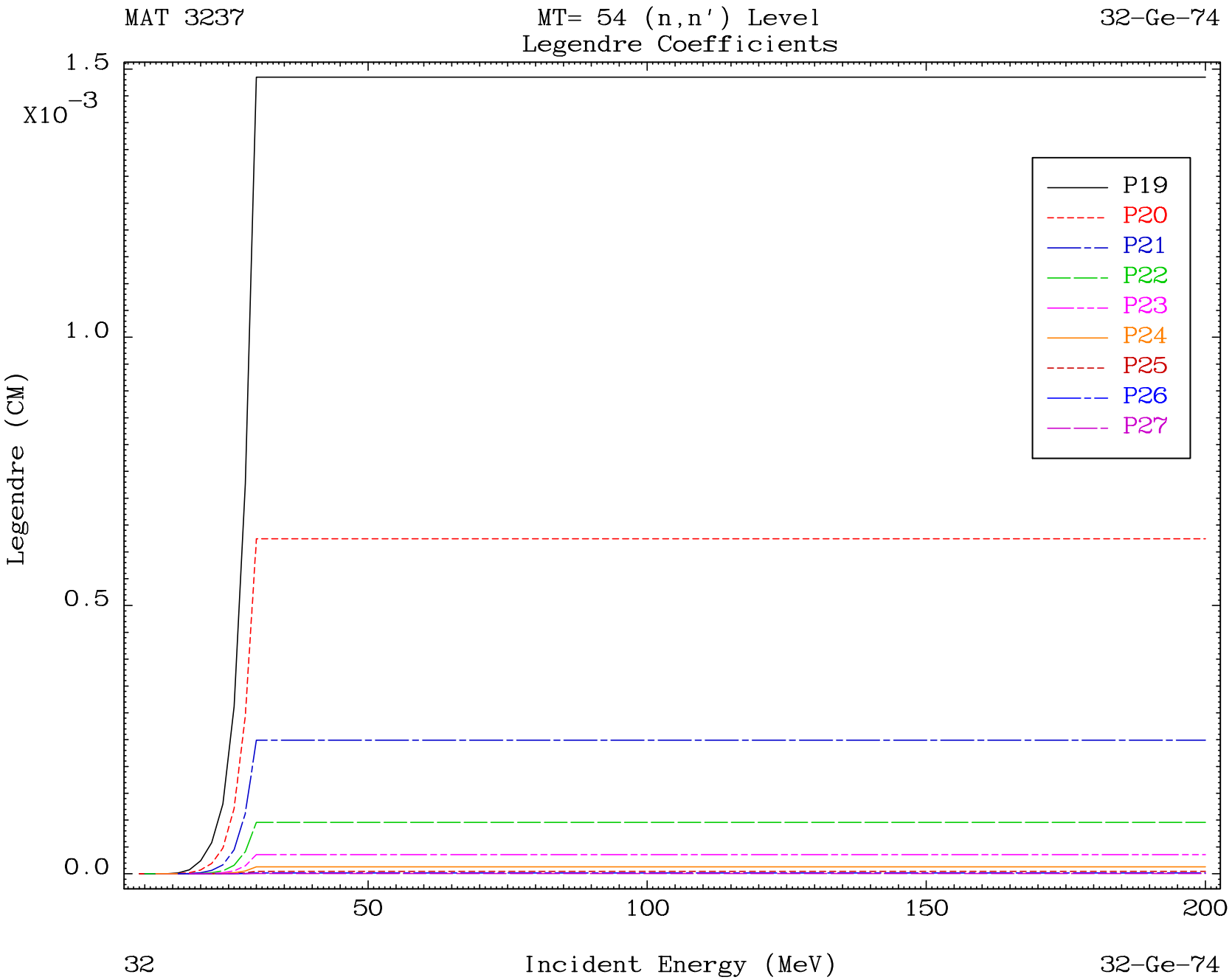

MAT 3237
MT= 53 (n,n') Level
Legendre Coefficients
32-Ge-74
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
27
Incident Energy (MeV)
32-Ge-74

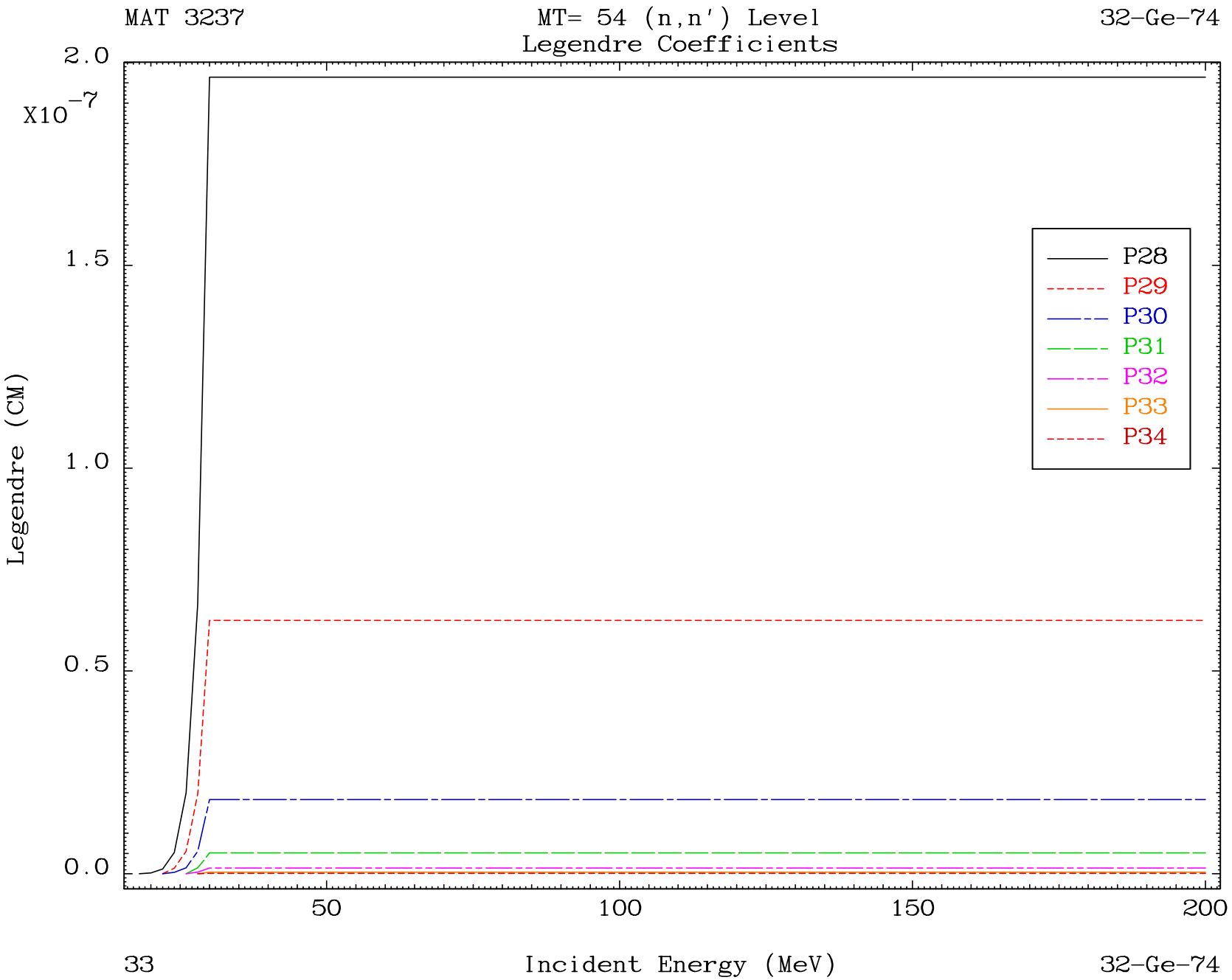

MAT 3237
MT= 53 (n,n') Level
Legendre Coefficients
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
50
100
150
200
28
Incident Energy (MeV)
32-Ge-74

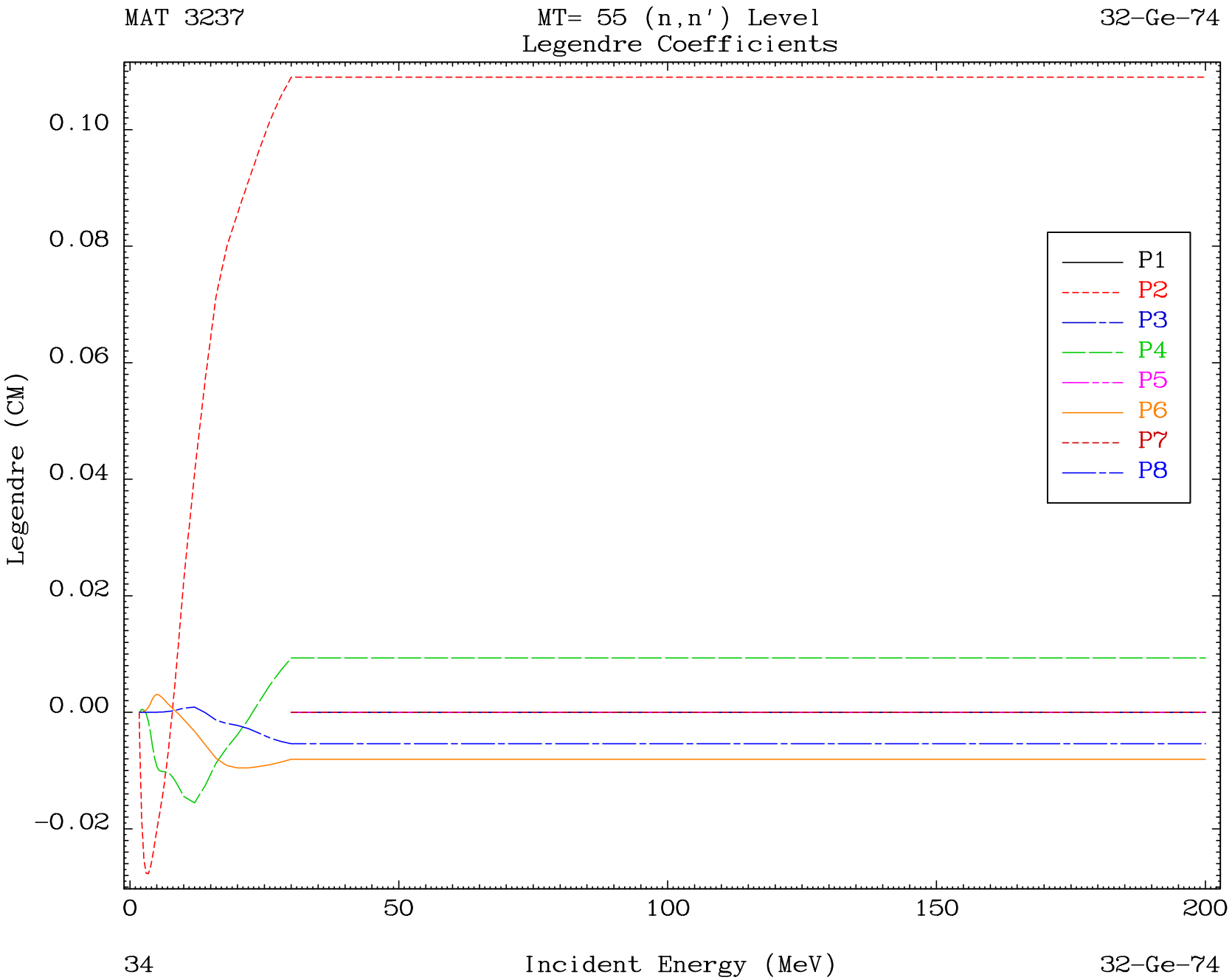

MAT 3237
MT= 53 (n,n') Level
Legendre Coefficients
32-Ge-74
X10 -6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
29
Incident Energy (MeV)
32-Ge-74

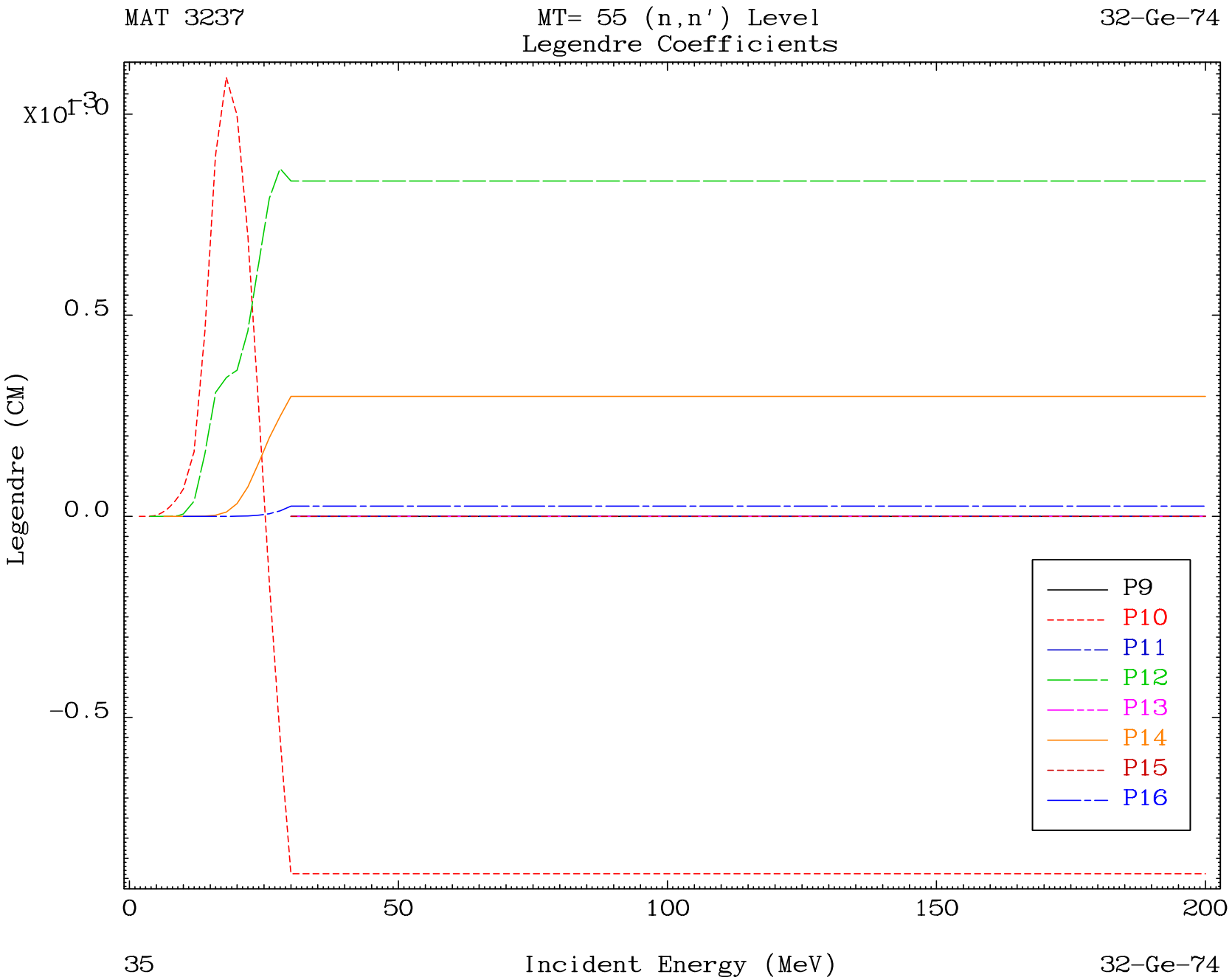

MAT 3237
MT= 54 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
30
Incident Energy (MeV)
32-Ge-74

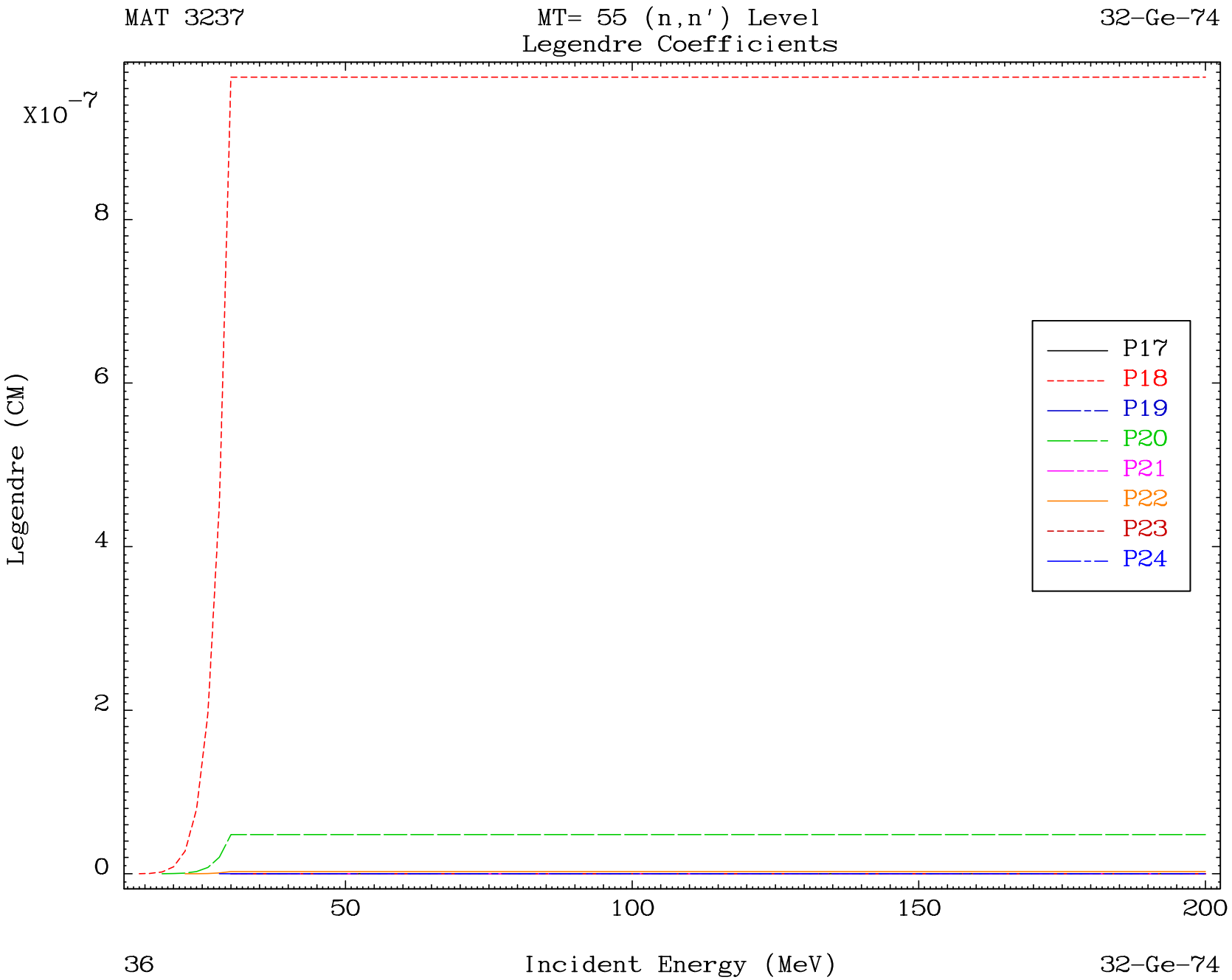

MAT 3237
MT= 54 (n,n') Level
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
31
Incident Energy (MeV)
32-Ge-74

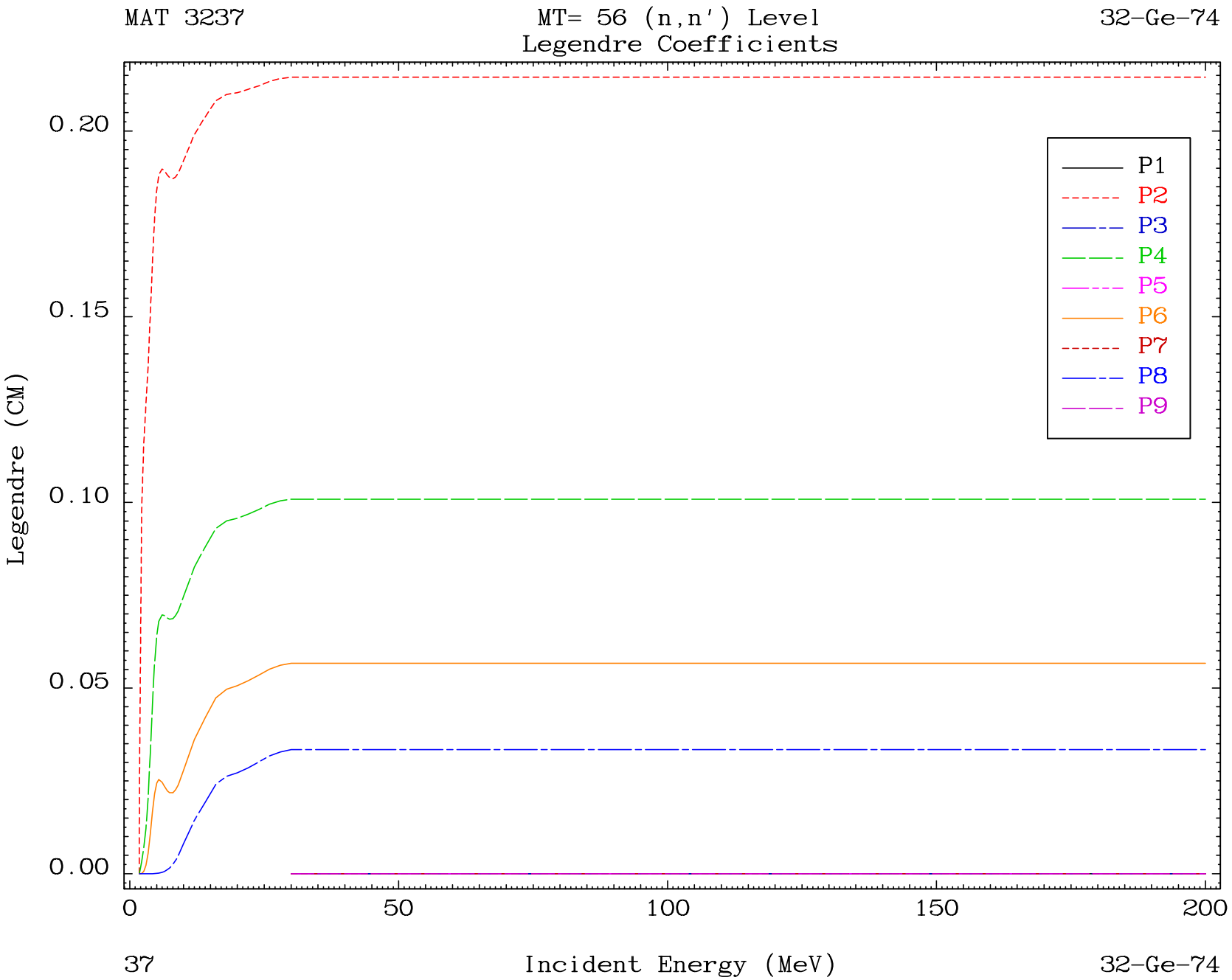

MAT 3237
MT= 54 (n,n') Level
Legendre Coefficients
32-Ge-74
1.5
X10^-3
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
32
Incident Energy (MeV)
32-Ge-74

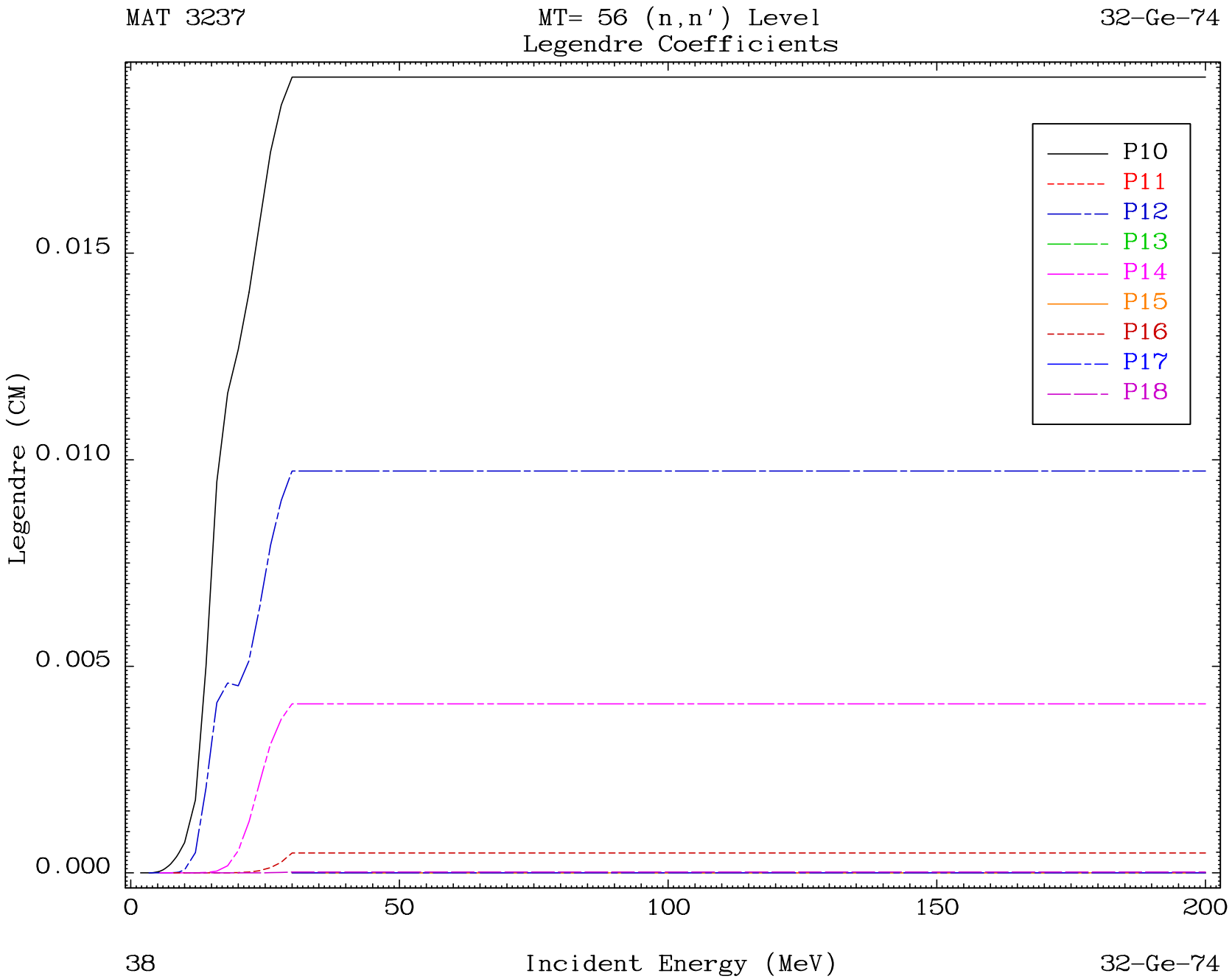

MAT 3237
MT= 54 (n,n') Level
Legendre Coefficients
32-Ge-74
2.0
X10^-7
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
33
Incident Energy (MeV)
32-Ge-74

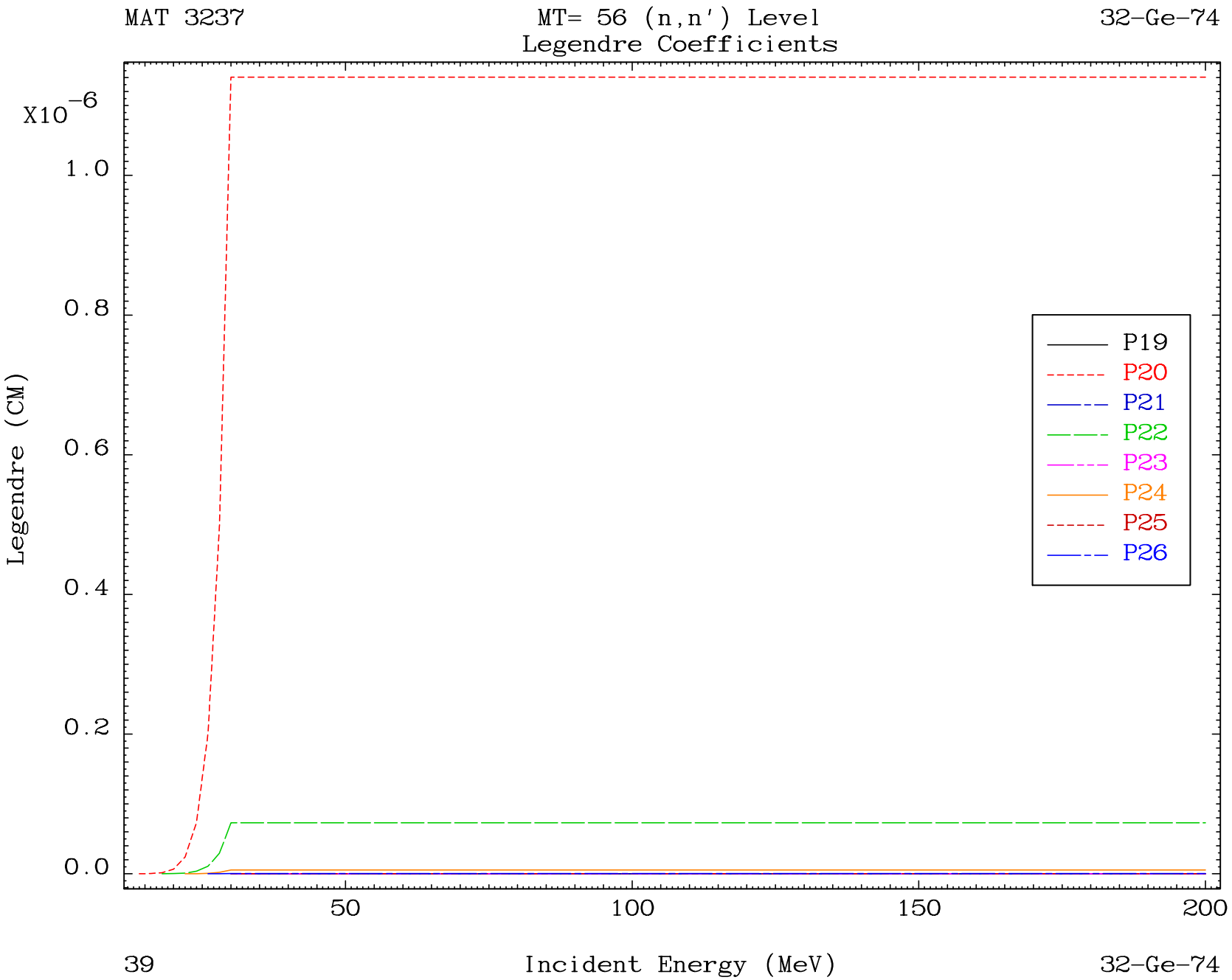

MAT 3237
MT= 55 (n,n') Level
Legendre Coefficients
32-Ge-74
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
34
Incident Energy (MeV)
32-Ge-74

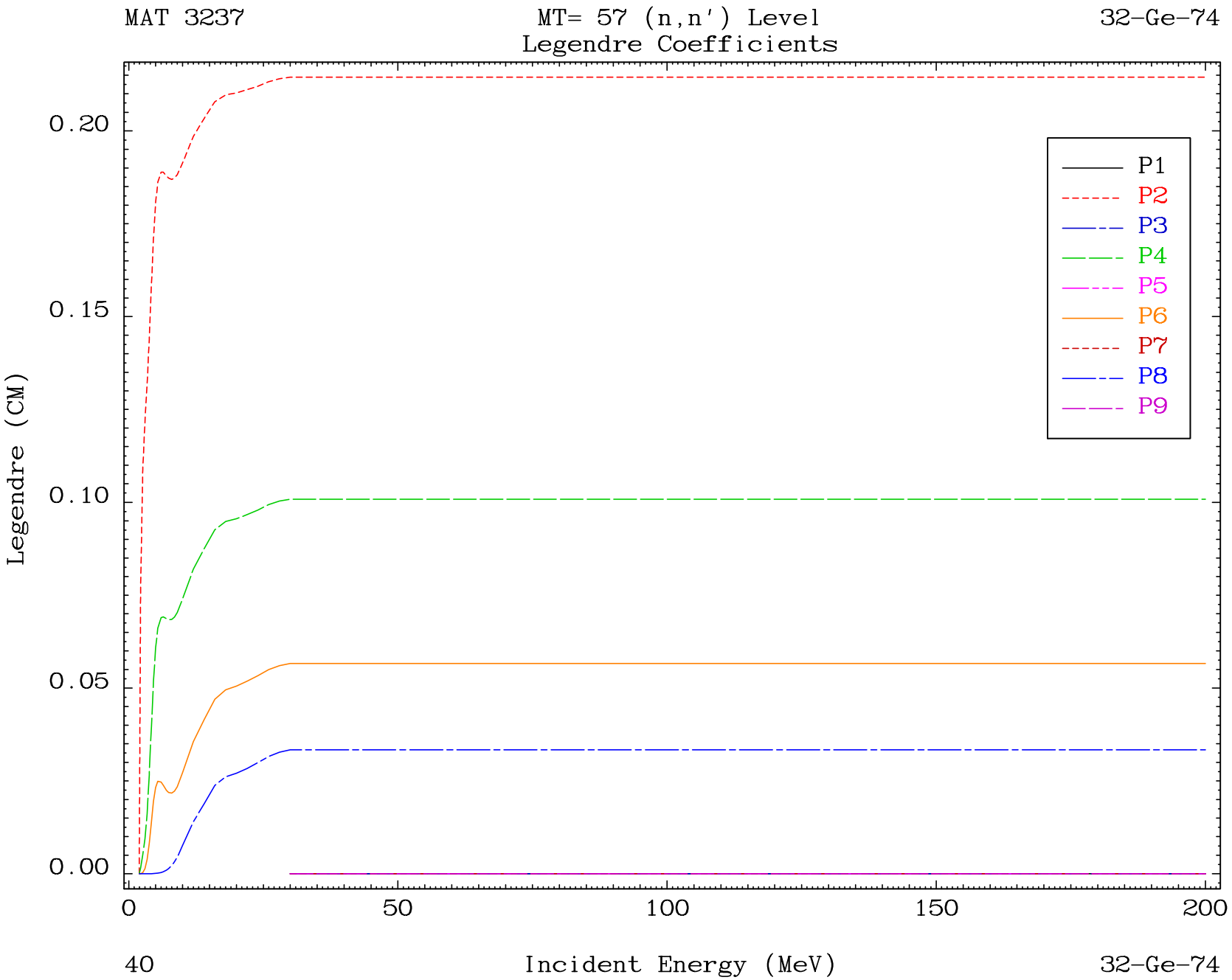

MAT 3237
MT= 55 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-3
1.0
0.5
0.0
-0.5
Legendre (CM)
0
50
100
150
200
35
Incident Energy (MeV)
32-Ge-74
P9
P10
P11
P12
P13
P14
P15
P16

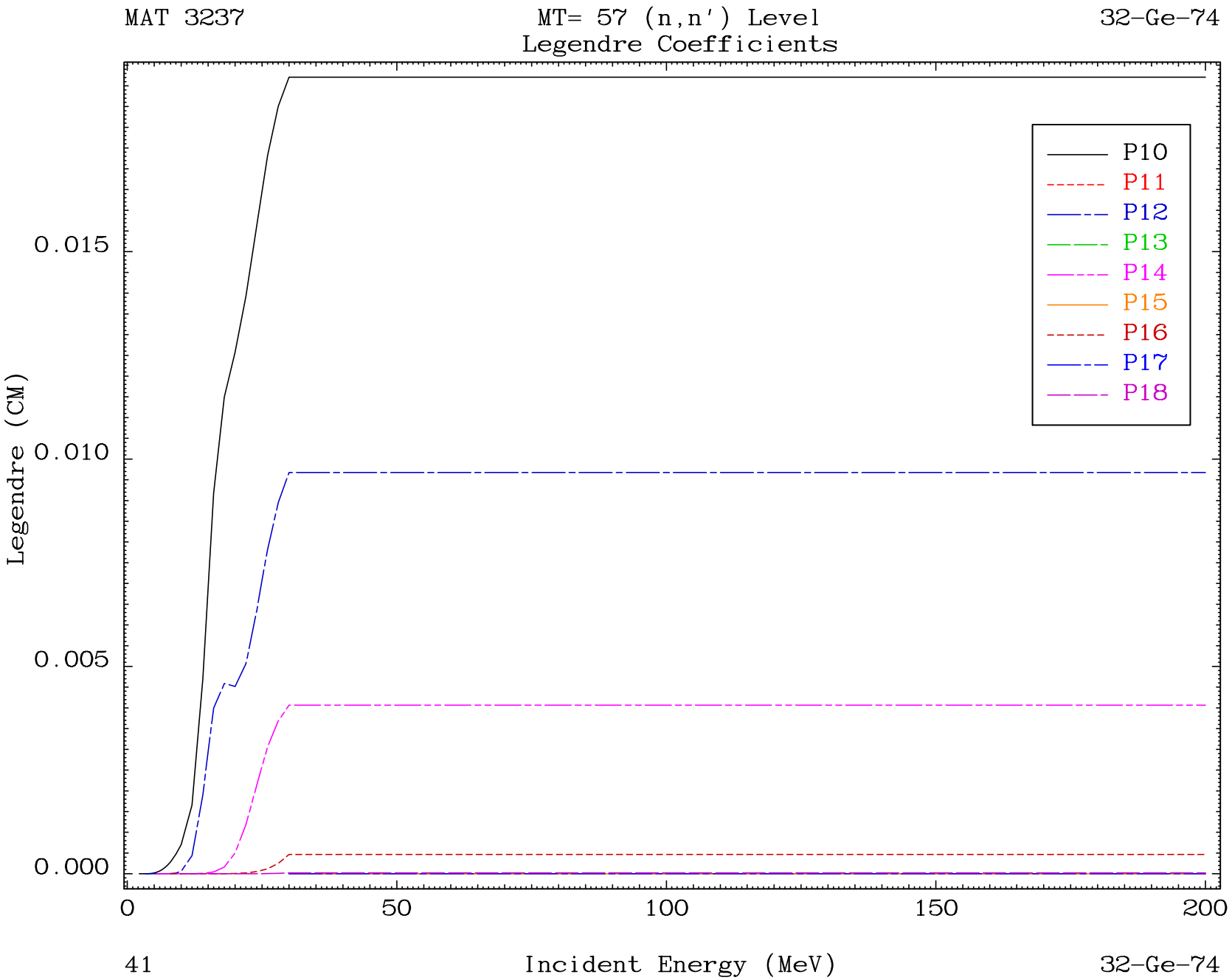

MAT 3237
MT= 55 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-7
8
6
4
2
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
36
Incident Energy (MeV)
32-Ge-74

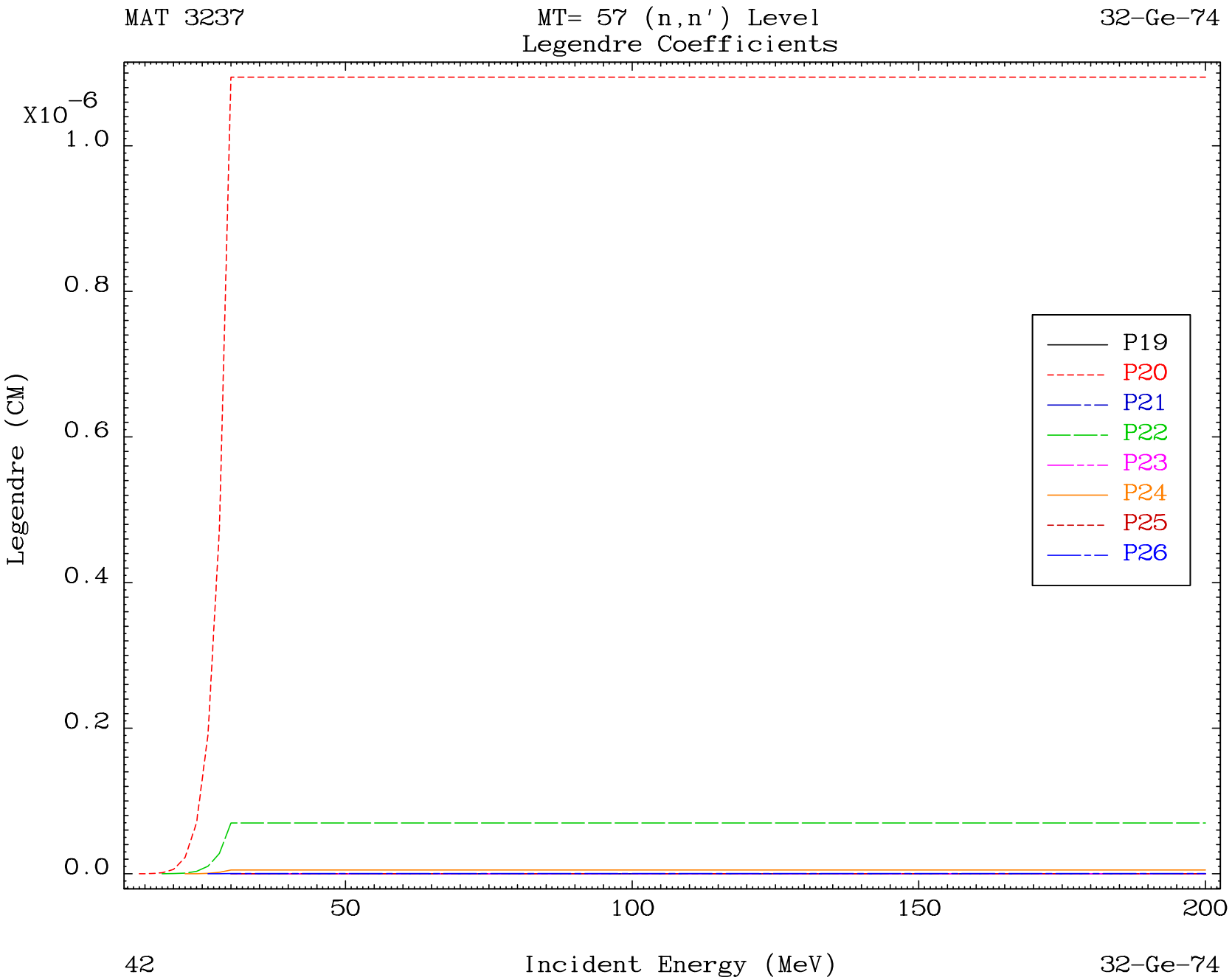

MAT 3237
MT= 56 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
37
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9

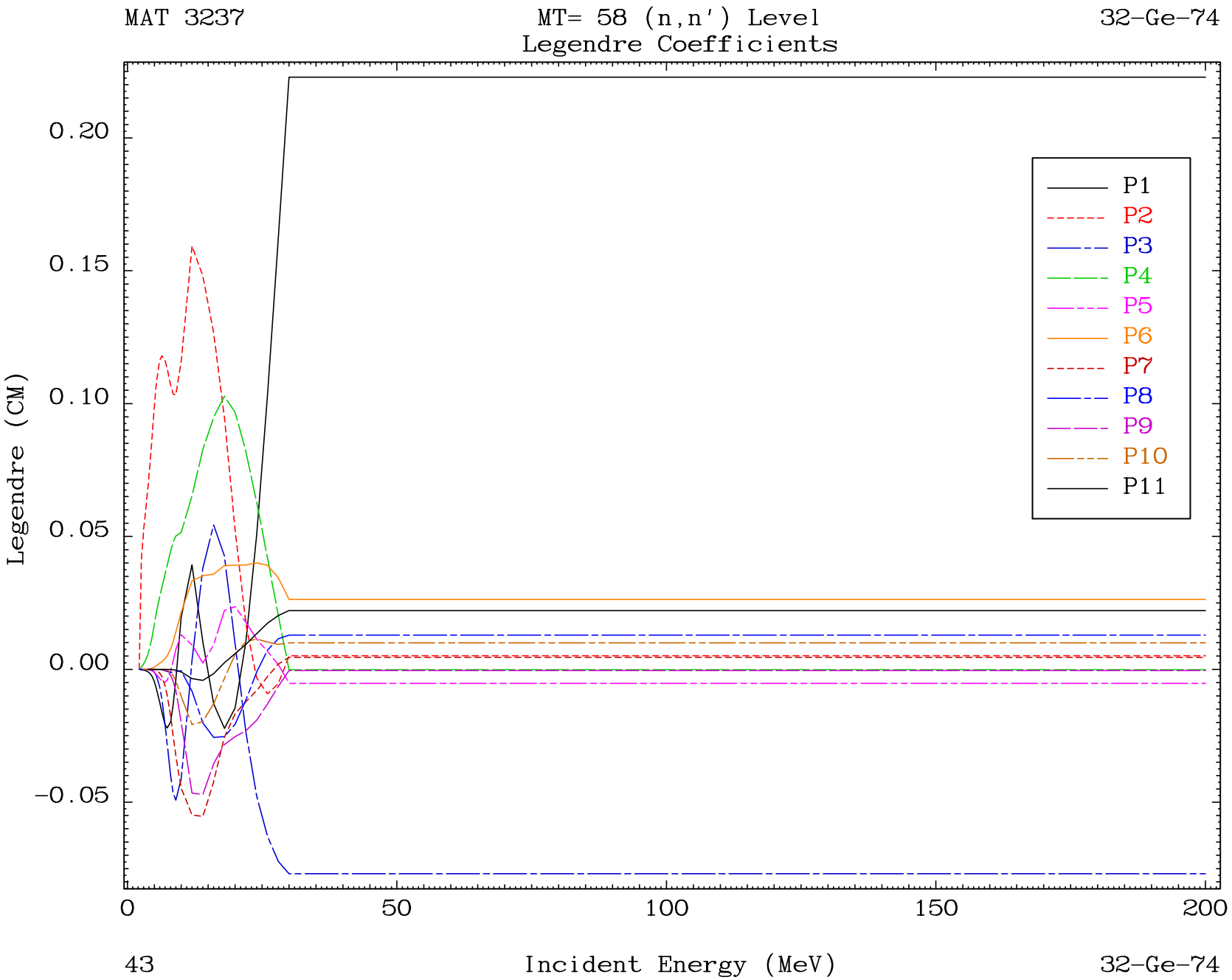

MAT 3237
MT= 56 (n,n') Level
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.015
0.010
0.005
0.000
0
50
100
150
200
38
Incident Energy (MeV)
32-Ge-74

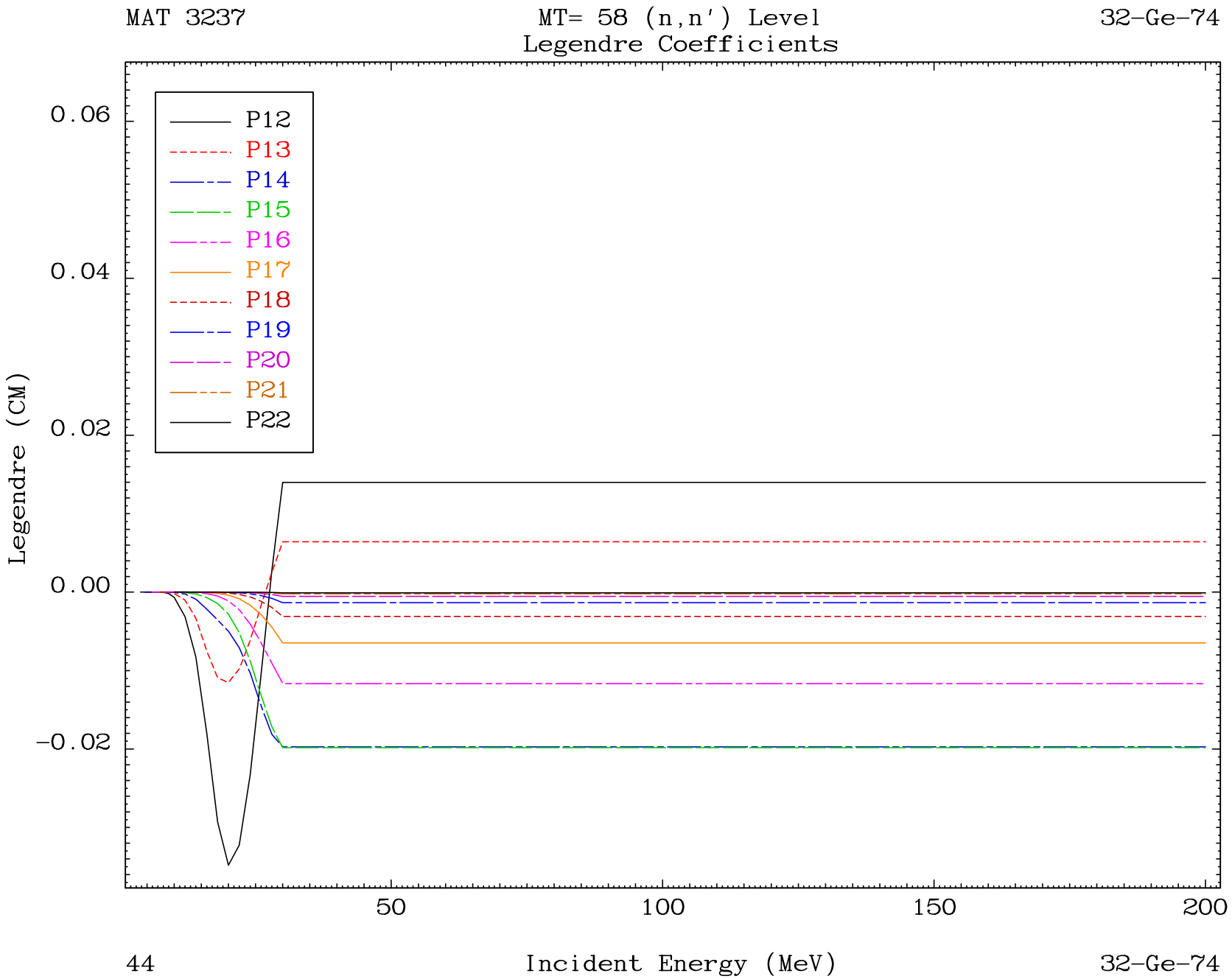

MAT 3237
MT= 56 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
P19
P20
P21
P22
P23
P24
P25
P26
39
Incident Energy (MeV)
32-Ge-74

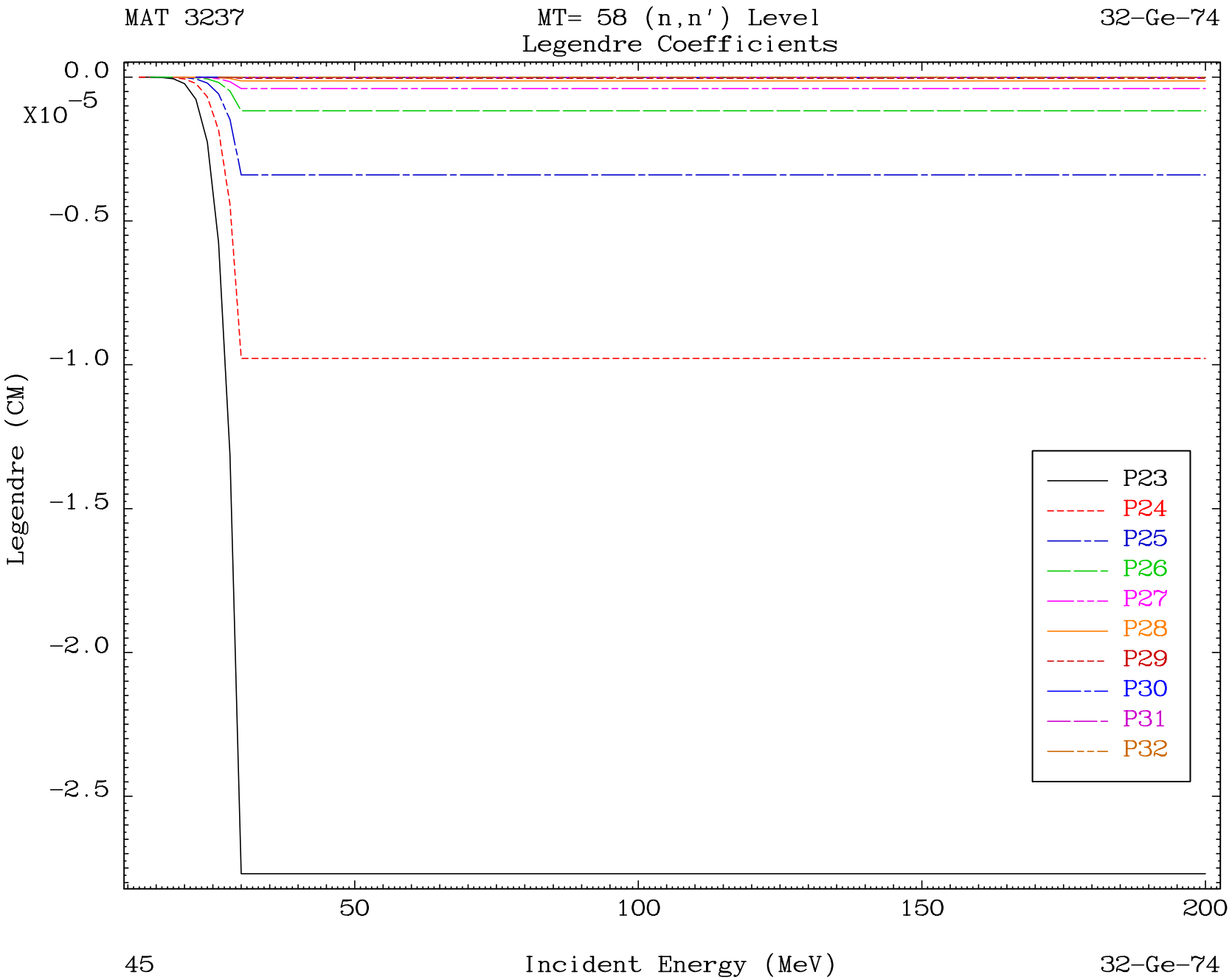

MAT 3237
MT= 57 (n,n') Level
Legendre Coefficients
32-Ge-74
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
32-Ge-74

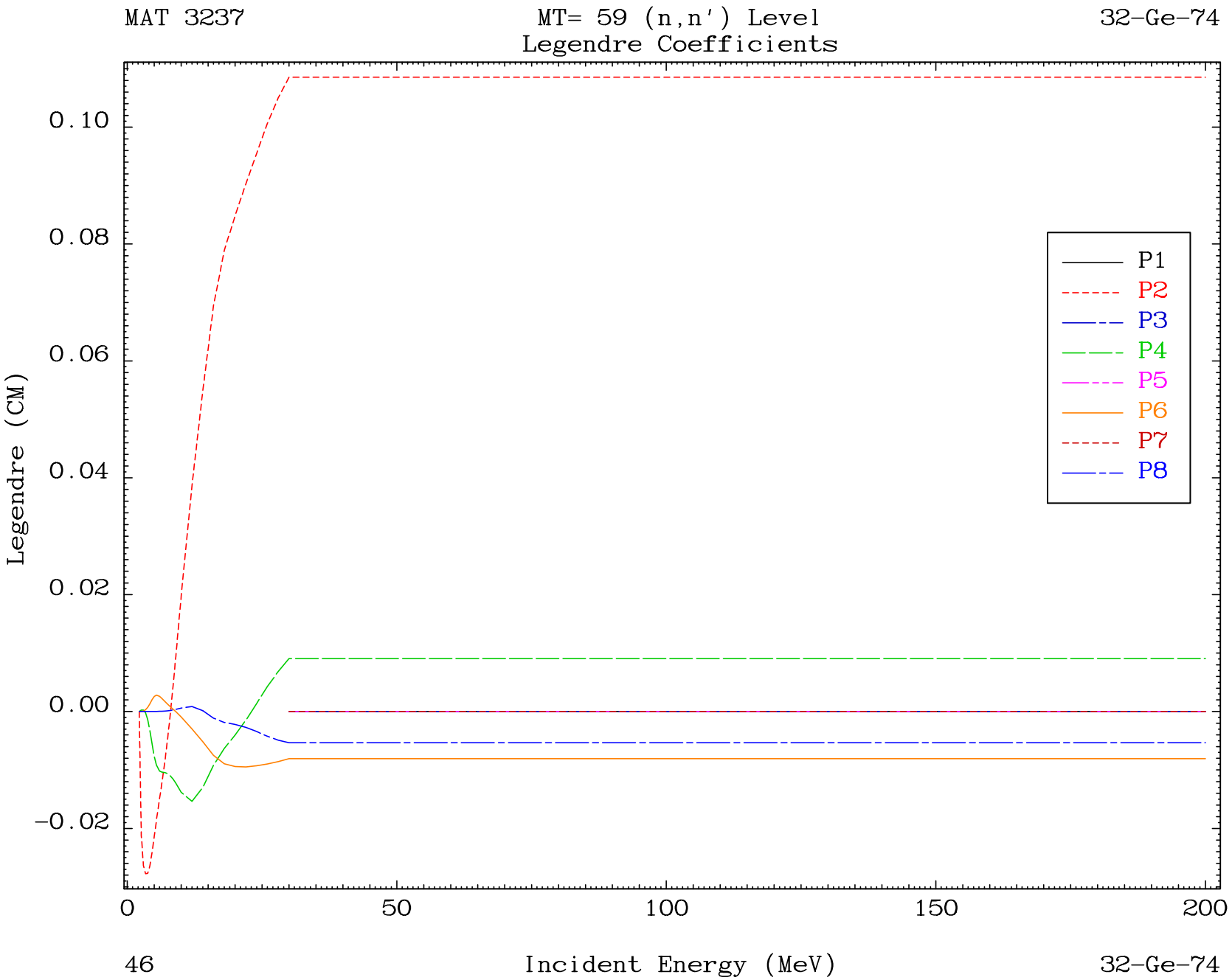

MAT 3237
MT= 57 (n,n') Level
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.015
0.010
0.005
0.000
0
50
100
150
200
41
Incident Energy (MeV)
32-Ge-74

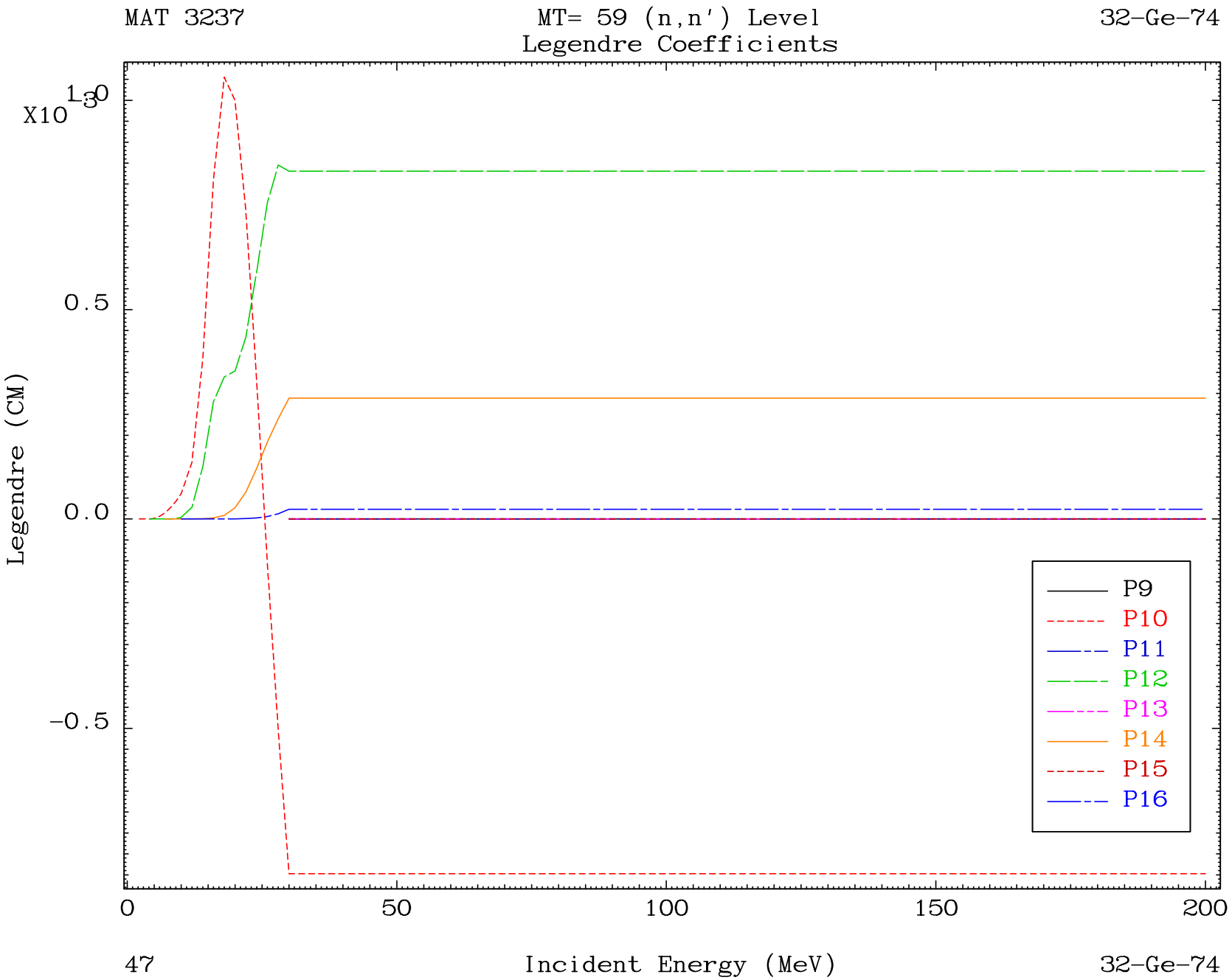

MAT 3237
MT= 57 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
32-Ge-74
P19
P20
P21
P22
P23
P24
P25
P26

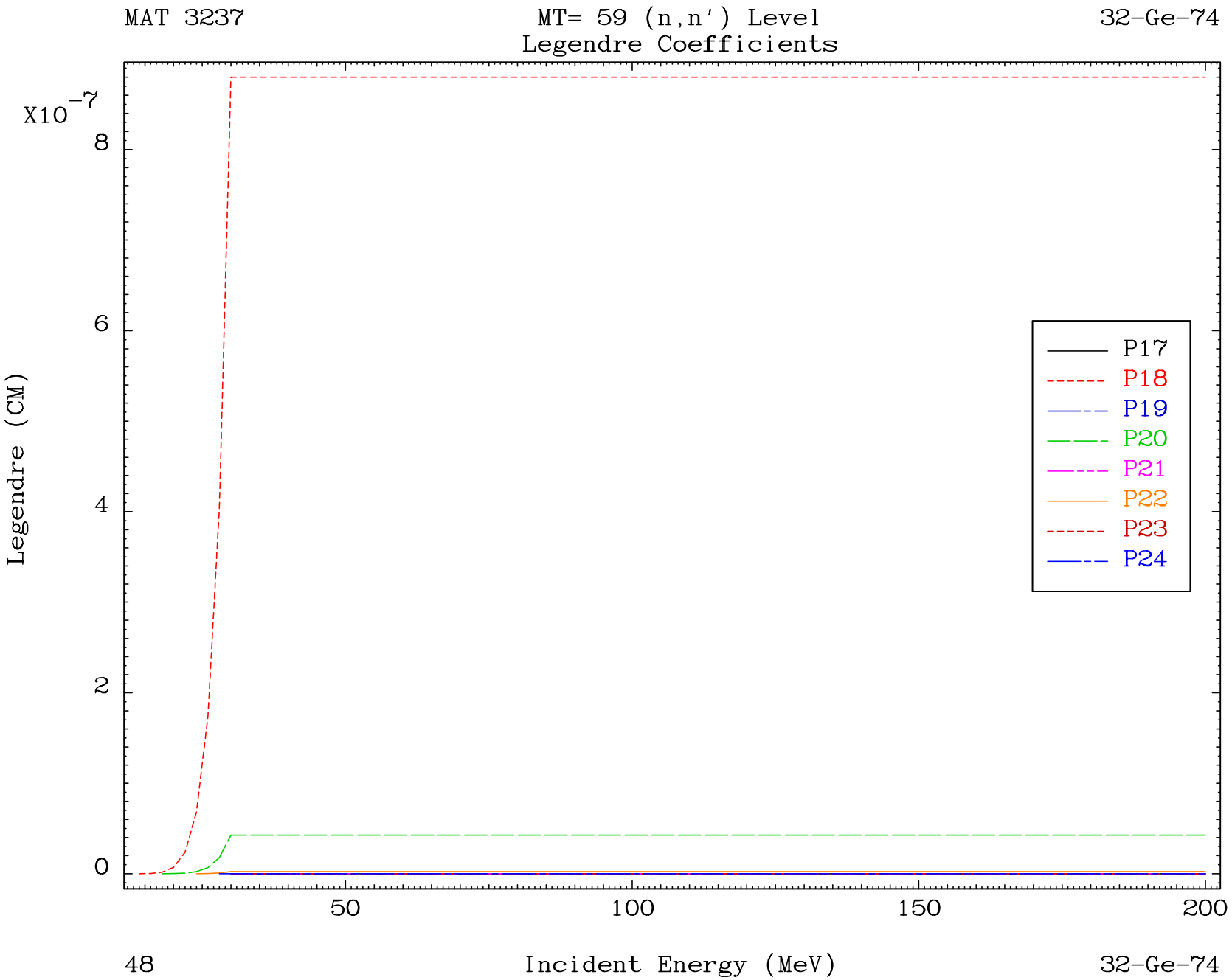

MAT 3237
MT= 58 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
-0.05
0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

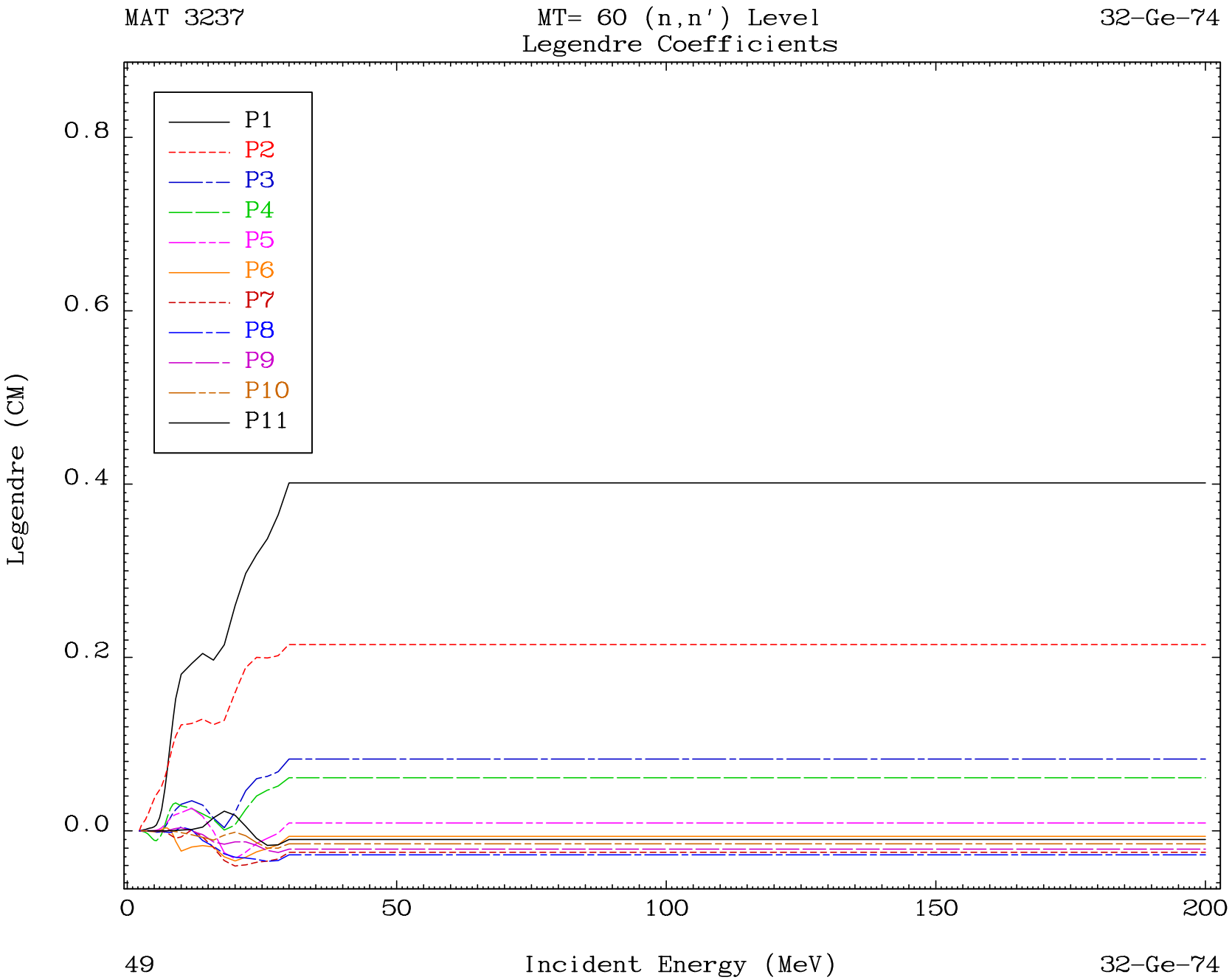

MAT 3237
MT= 58 (n,n') Level
Legendre Coefficients
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
44
Incident Energy (MeV)
32-Ge-74

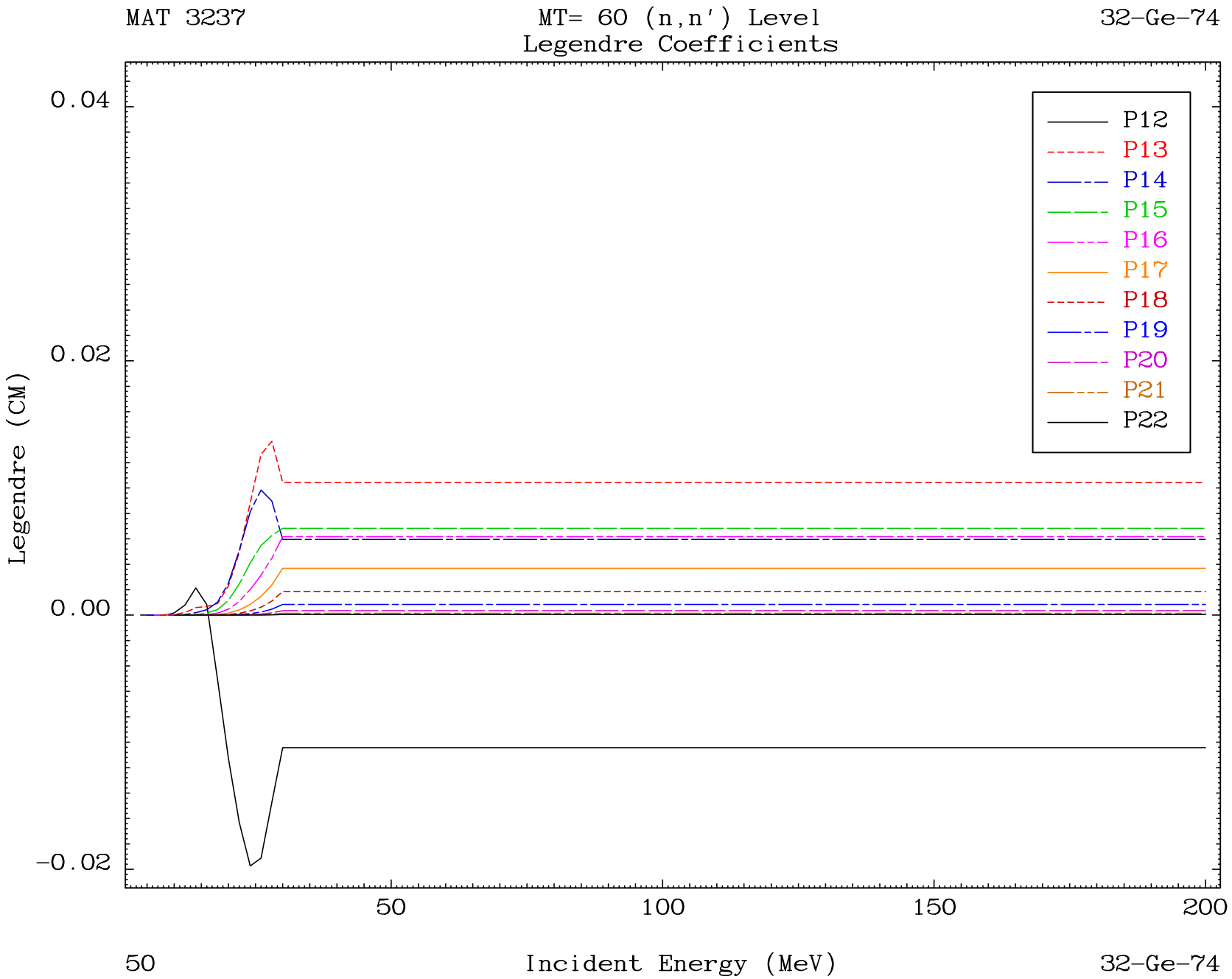

MAT 3237
MT= 58 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

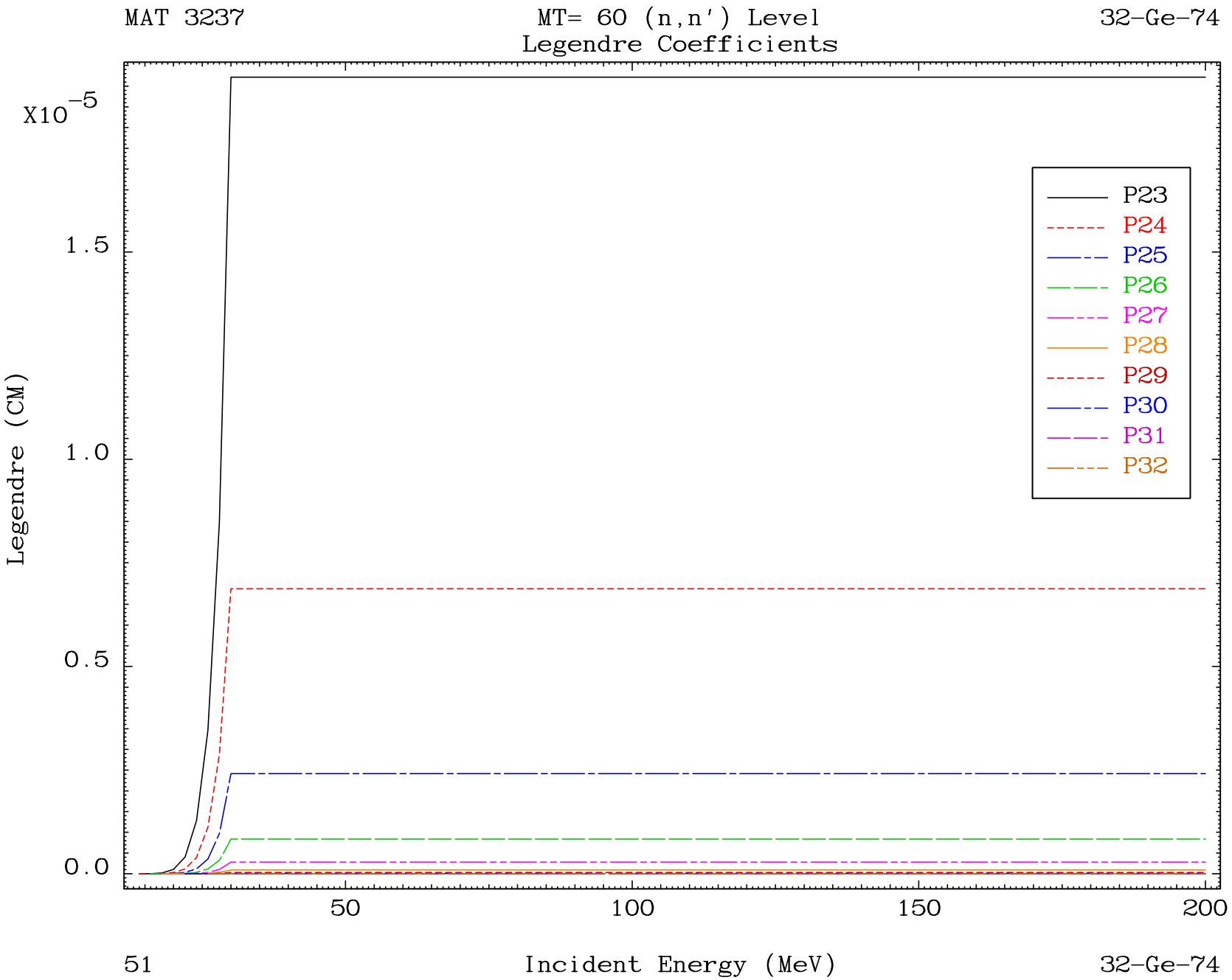

MAT 3237
MT= 59 (n,n') Level
Legendre Coefficients
32-Ge-74
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
46
32-Ge-74

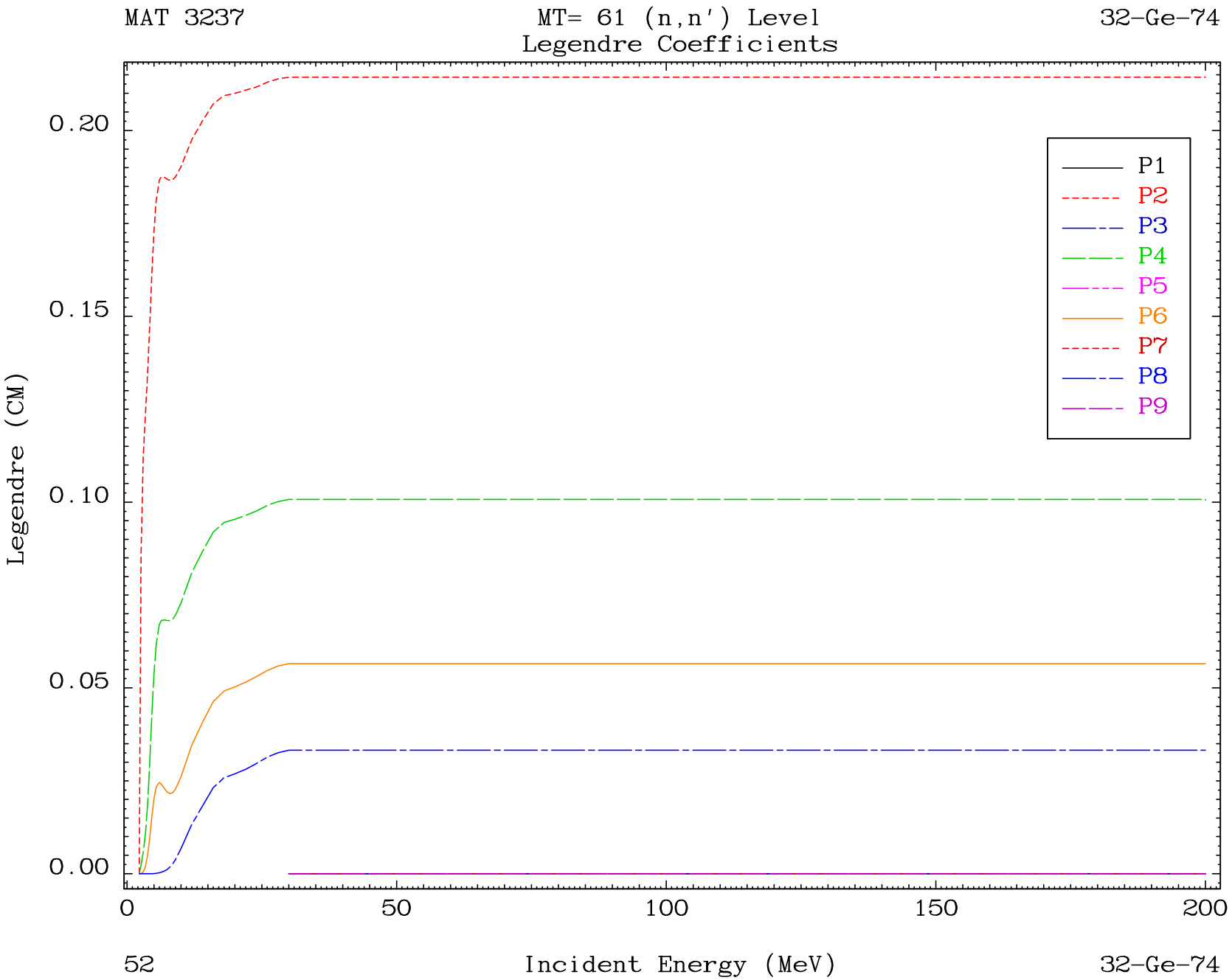

MAT 3237
MT= 59 (n,n') Level
Legendre Coefficients
32-Ge-74
X10 -3
1.0
0.5
0.0
-0.5
Legendre (CM)
0
50
100
150
200
47
Incident Energy (MeV)
32-Ge-74
P9
P10
P11
P12
P13
P14
P15
P16

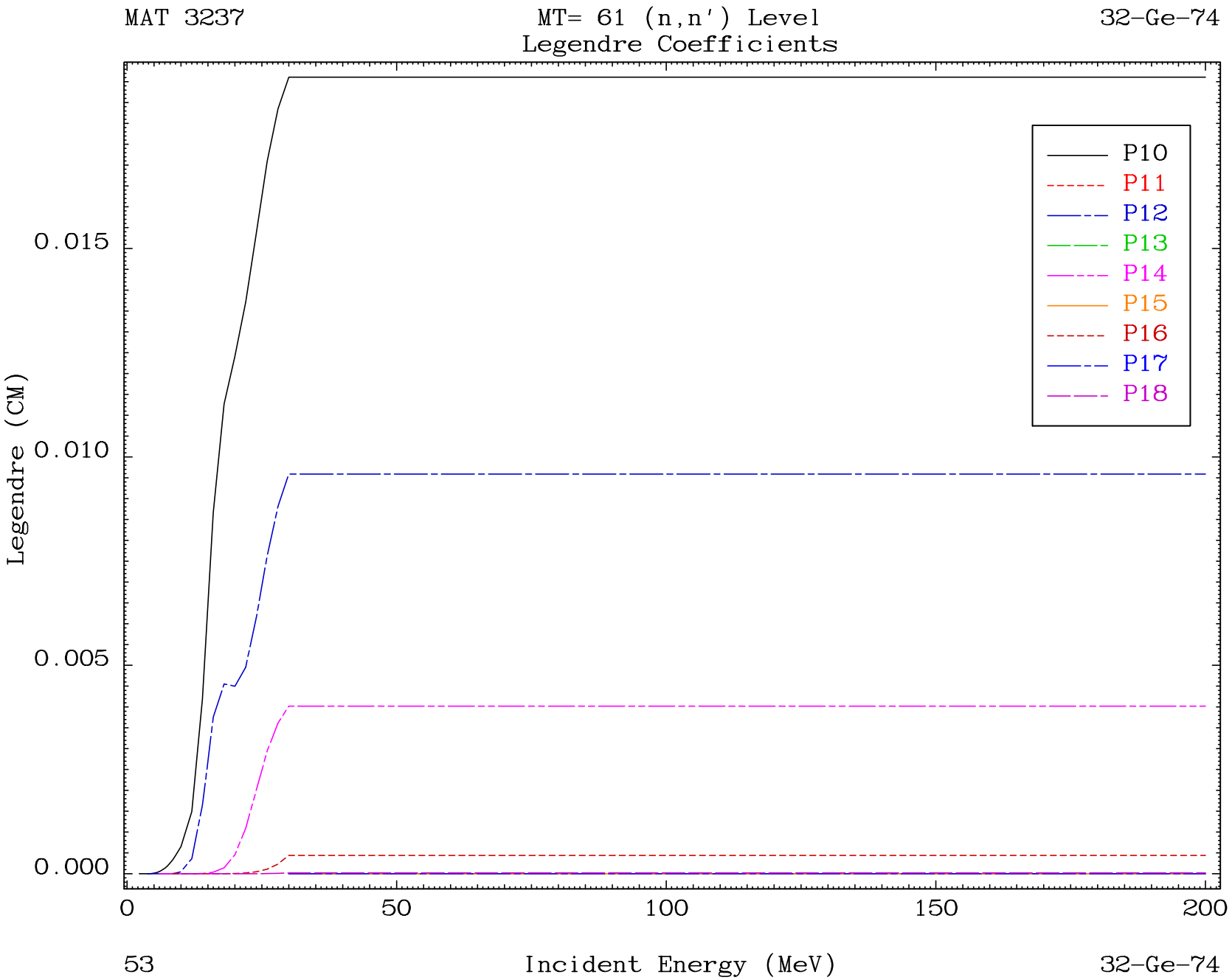

MAT 3237
MT= 59 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-7
8
6
4
2
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
48
Incident Energy (MeV)
32-Ge-74

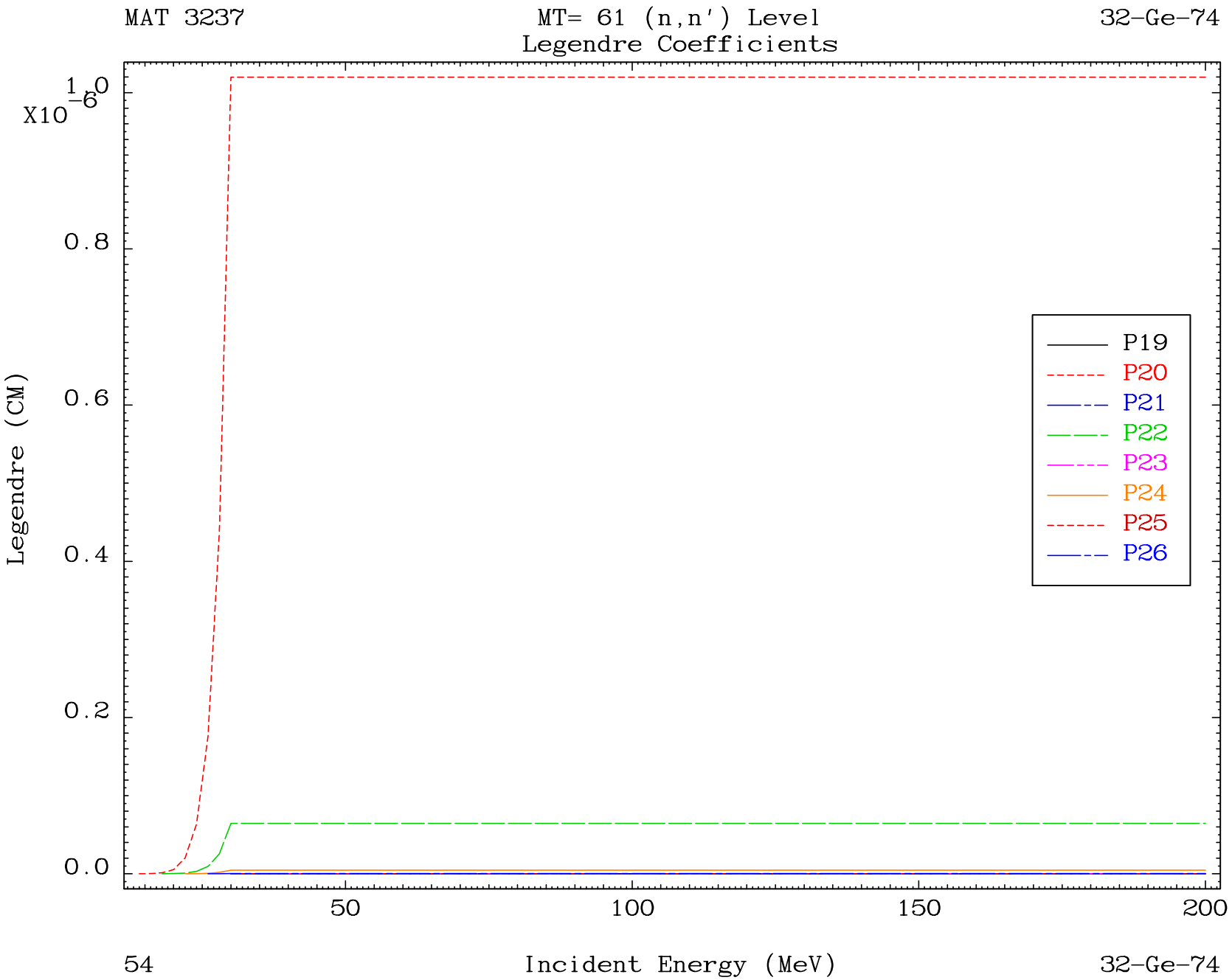

MAT 3237
MT= 60 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
49
Incident Energy (MeV)
32-Ge-74

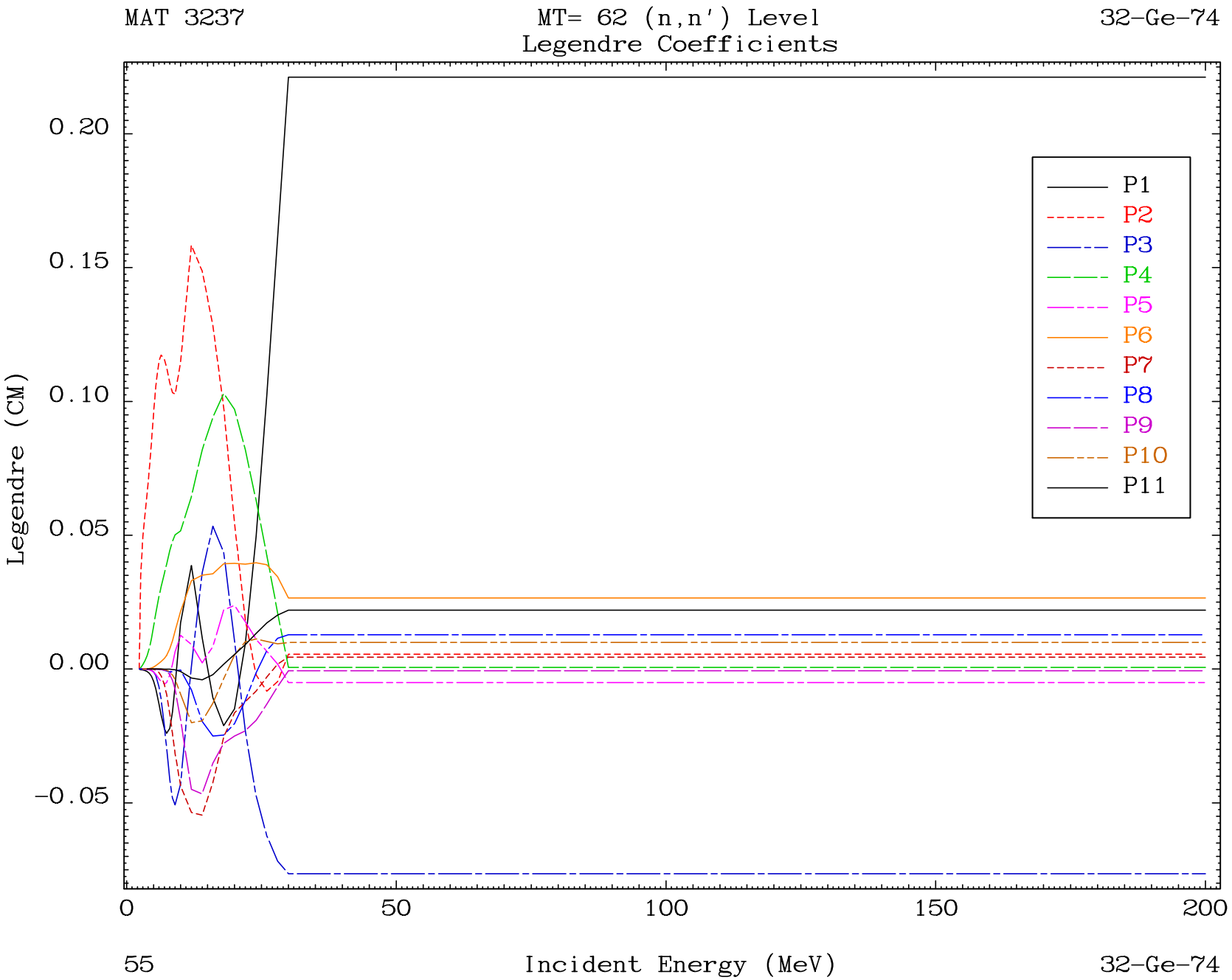

MAT 3237
MT= 60 (n,n') Level
Legendre Coefficients
32-Ge-74
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

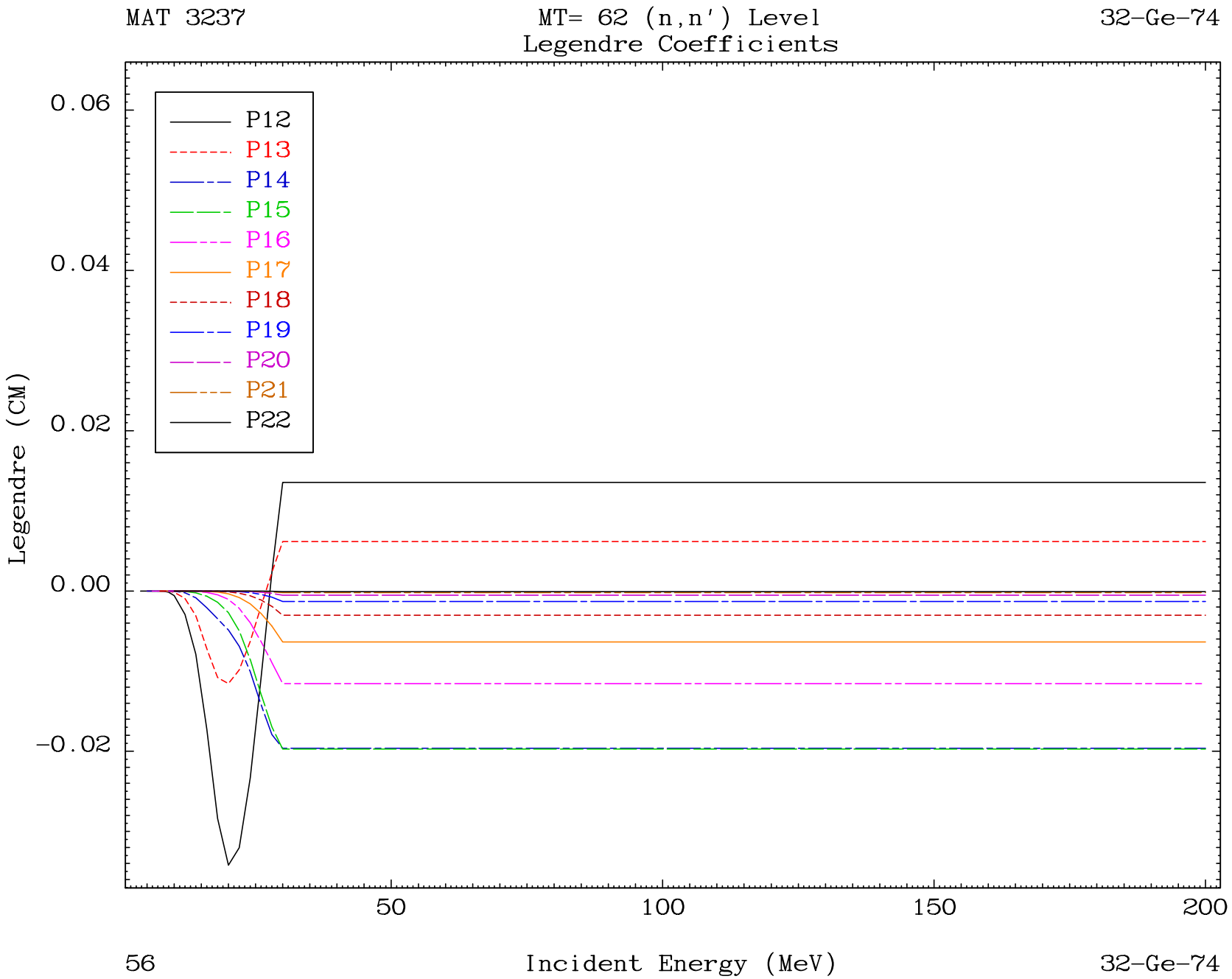

MAT 3237
MT= 60 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
51
Incident Energy (MeV)
32-Ge-74

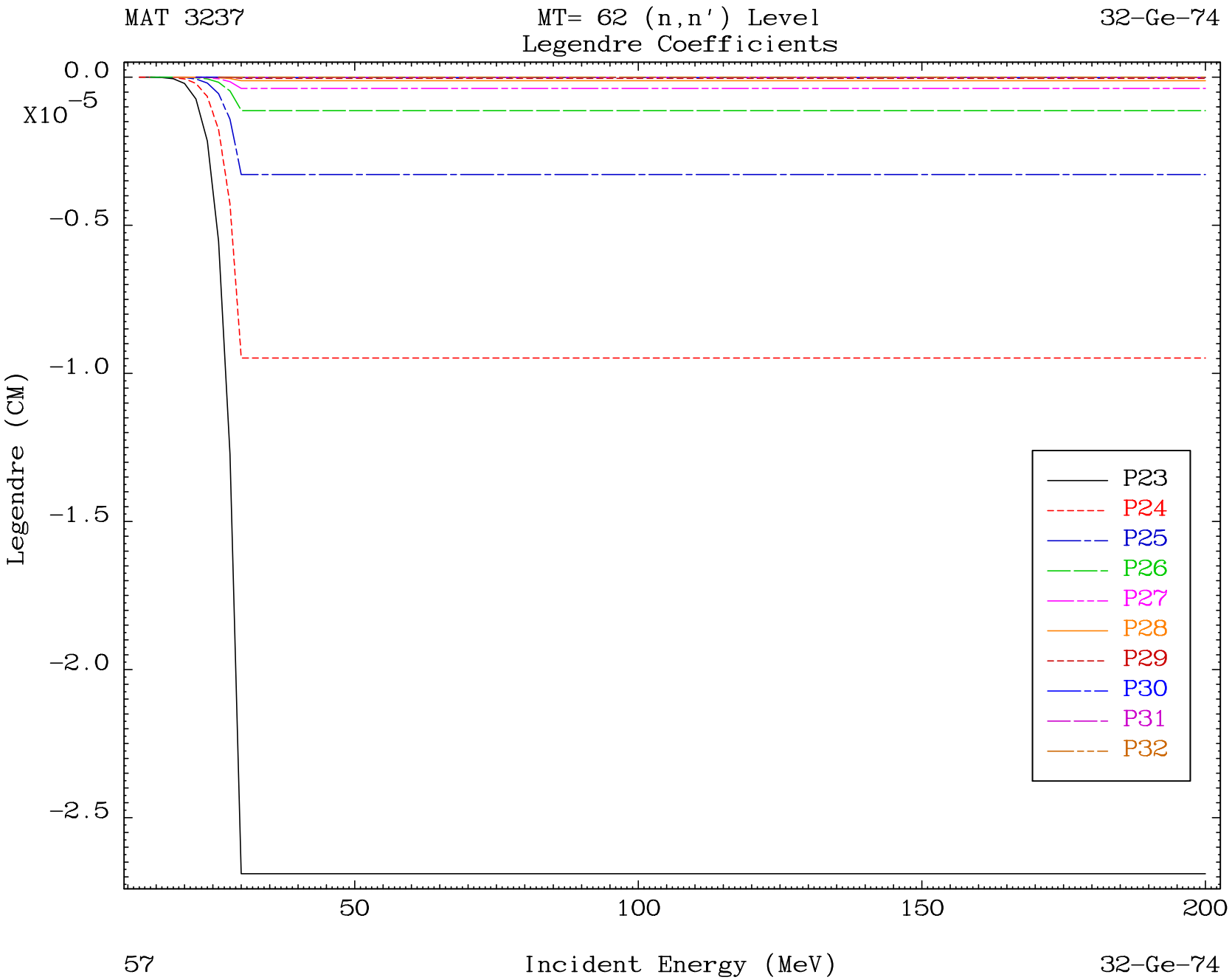

MAT 3237
MT= 61 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
Incident Energy (MeV)
52
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9

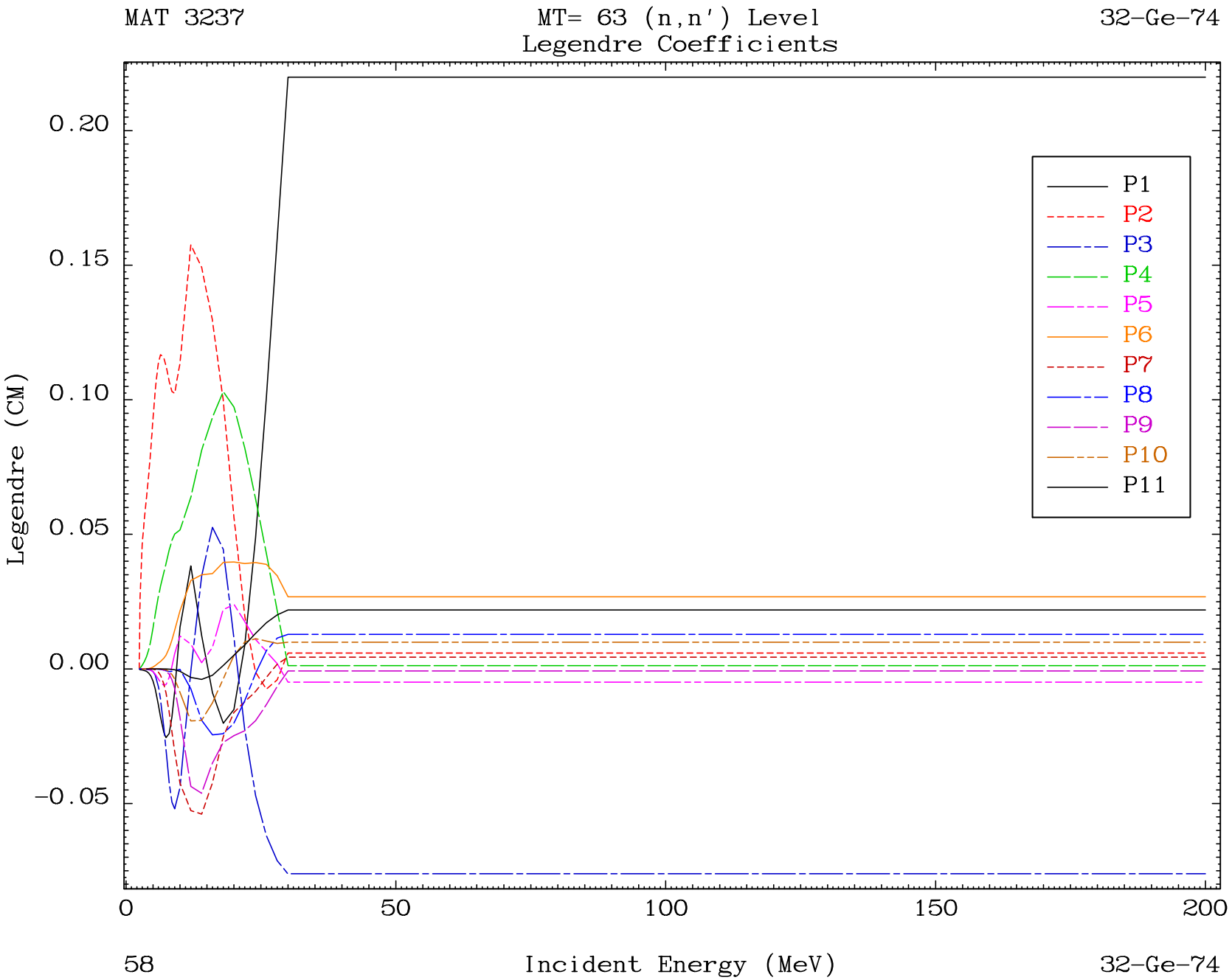

MAT 3237
MT= 61 (n,n') Level
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
32-Ge-74

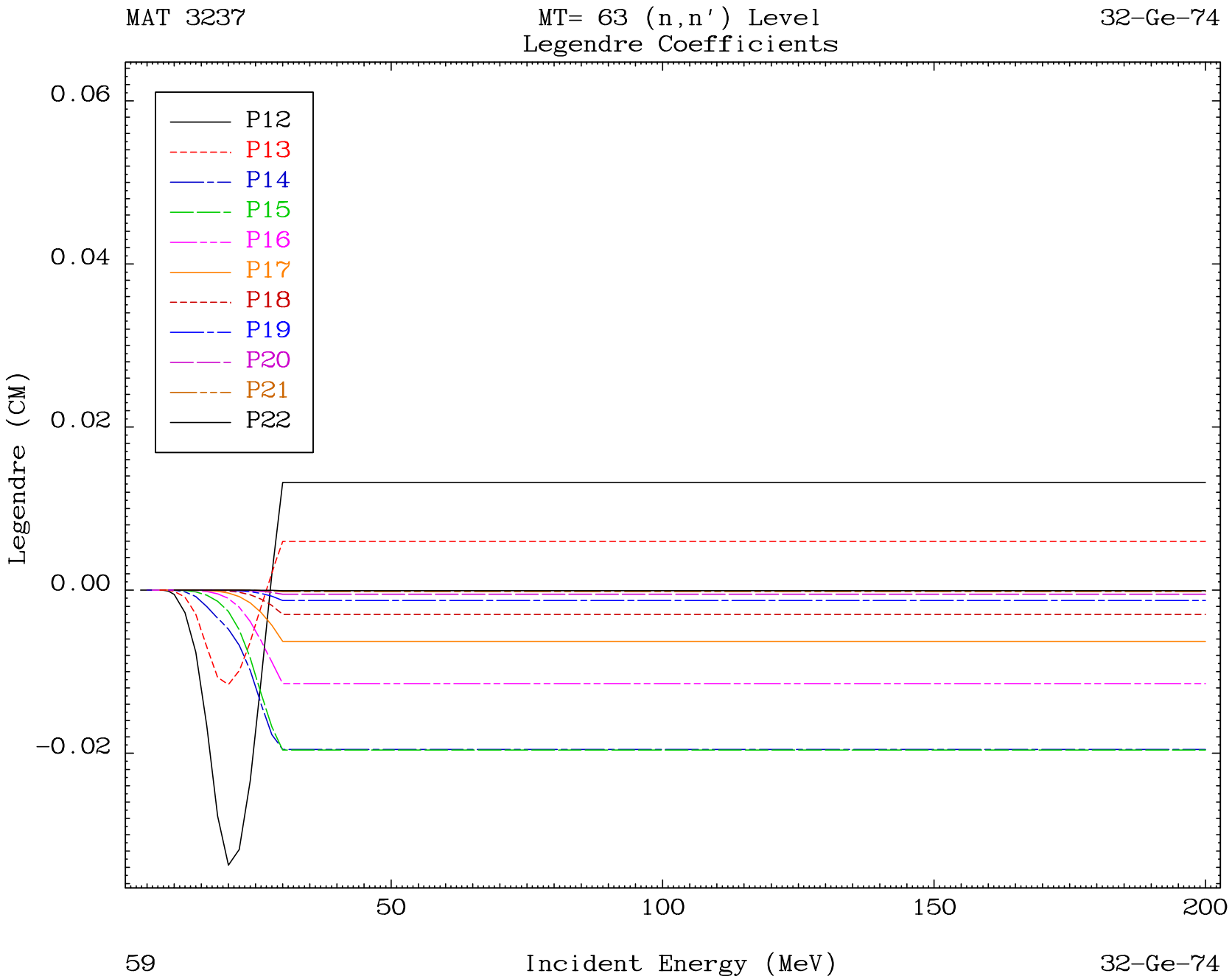

MAT 3237
MT= 61 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
54
32-Ge-74
P19
P20
P21
P22
P23
P24
P25
P26

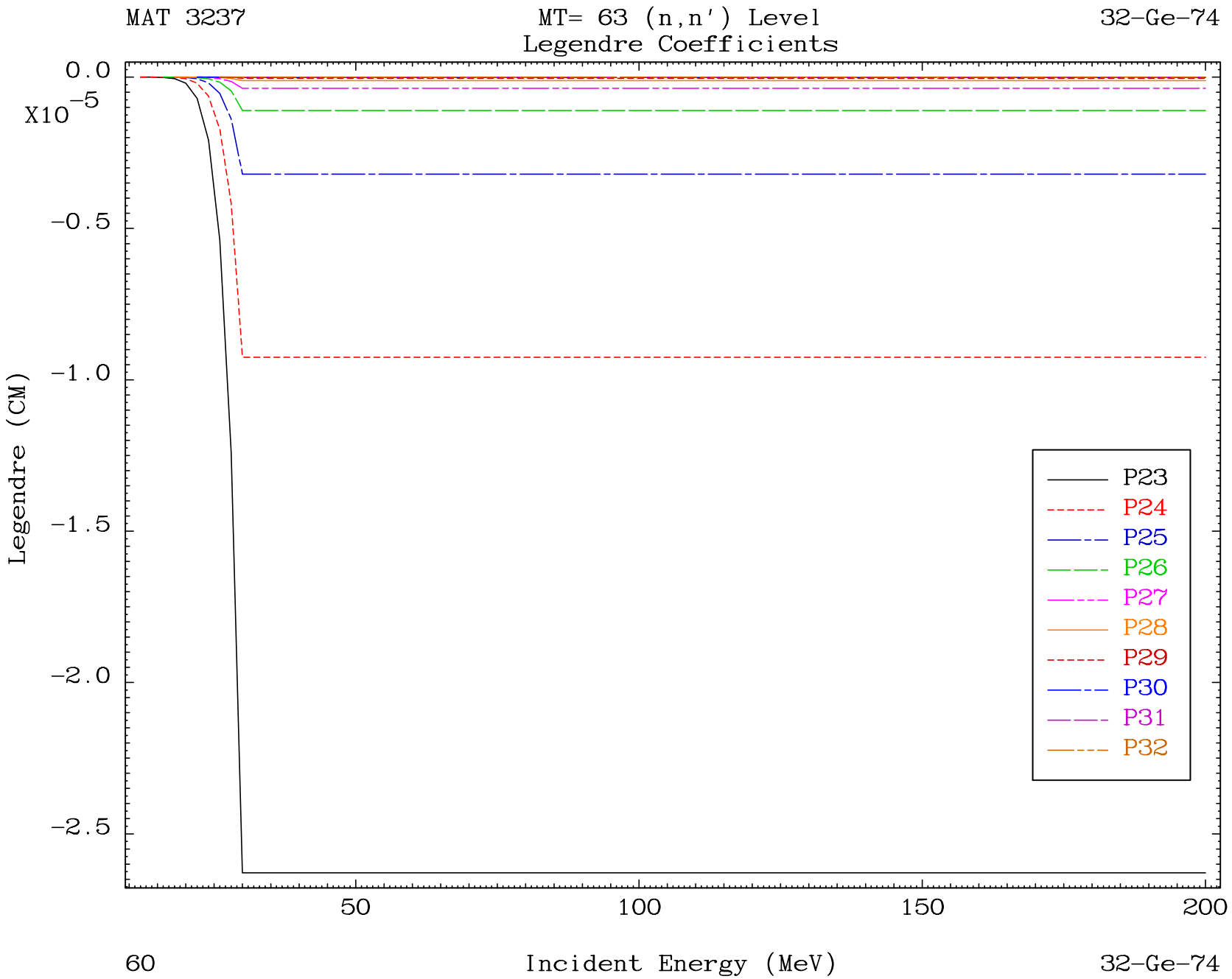

MAT 3237
MT= 62 (n,n') Level
Legendre Coefficients
32-Ge-74
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
55
Incident Energy (MeV)
32-Ge-74

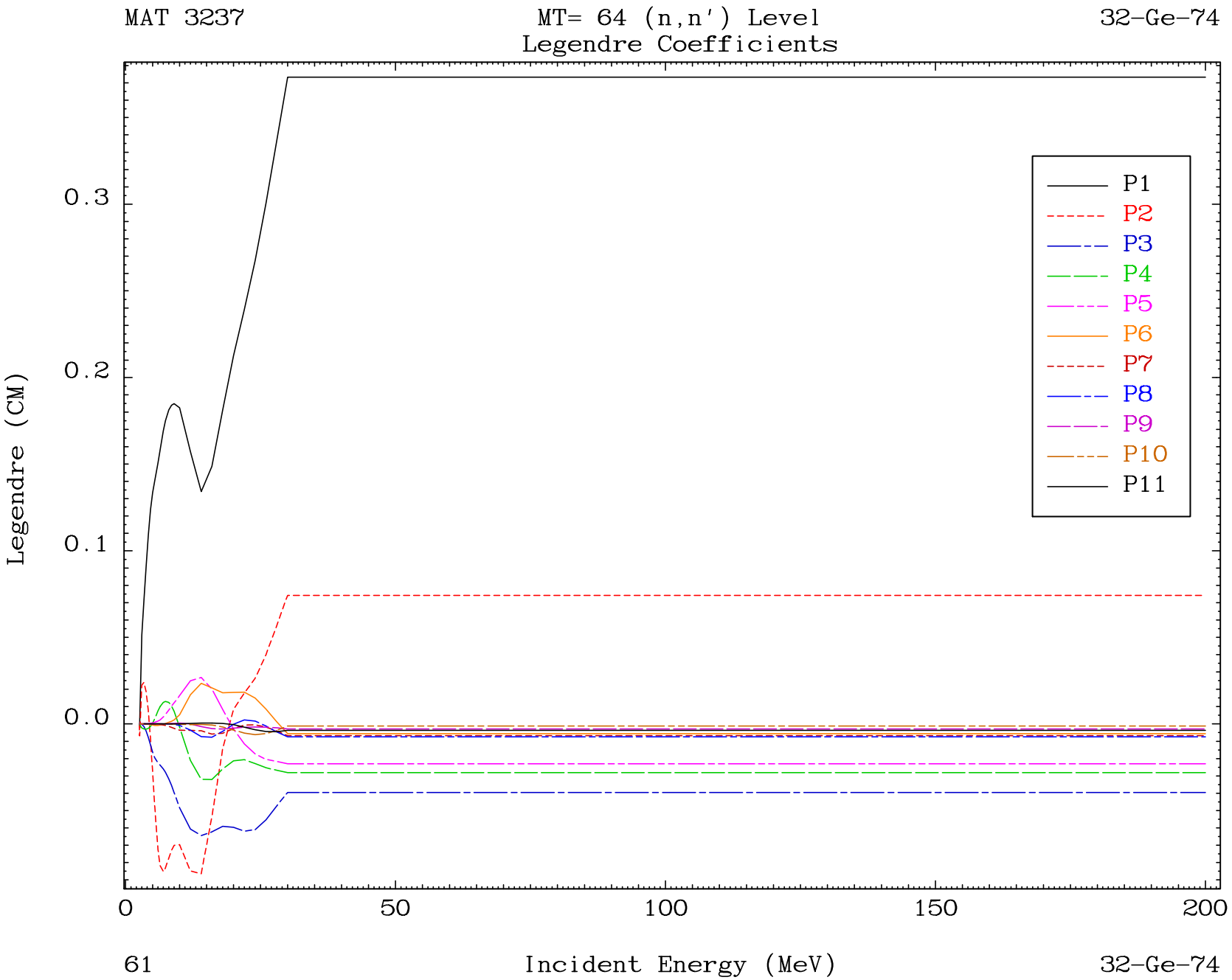

MAT 3237
MT= 62 (n,n') Level
Legendre Coefficients
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
32-Ge-74

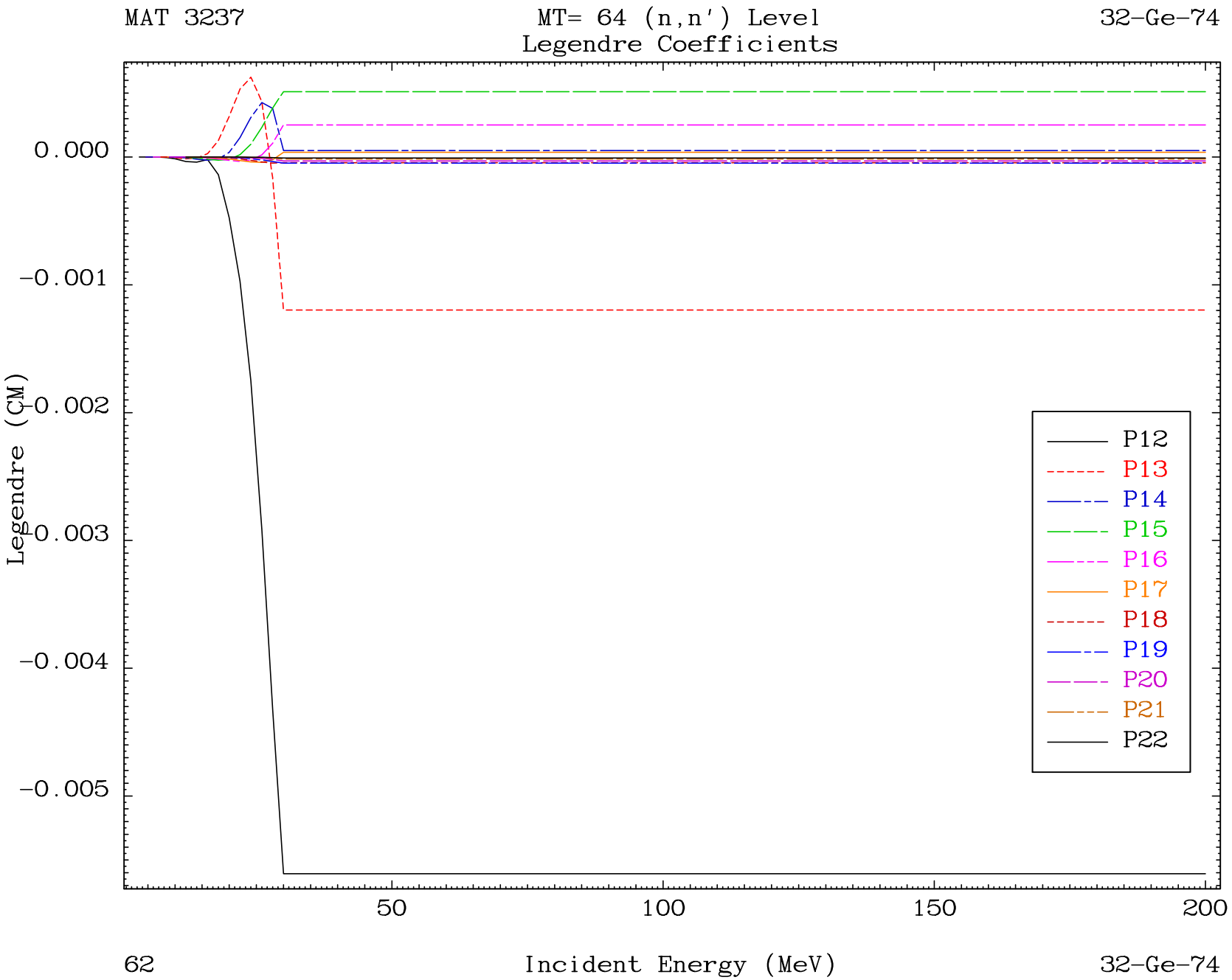

MAT 3237
MT= 62 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

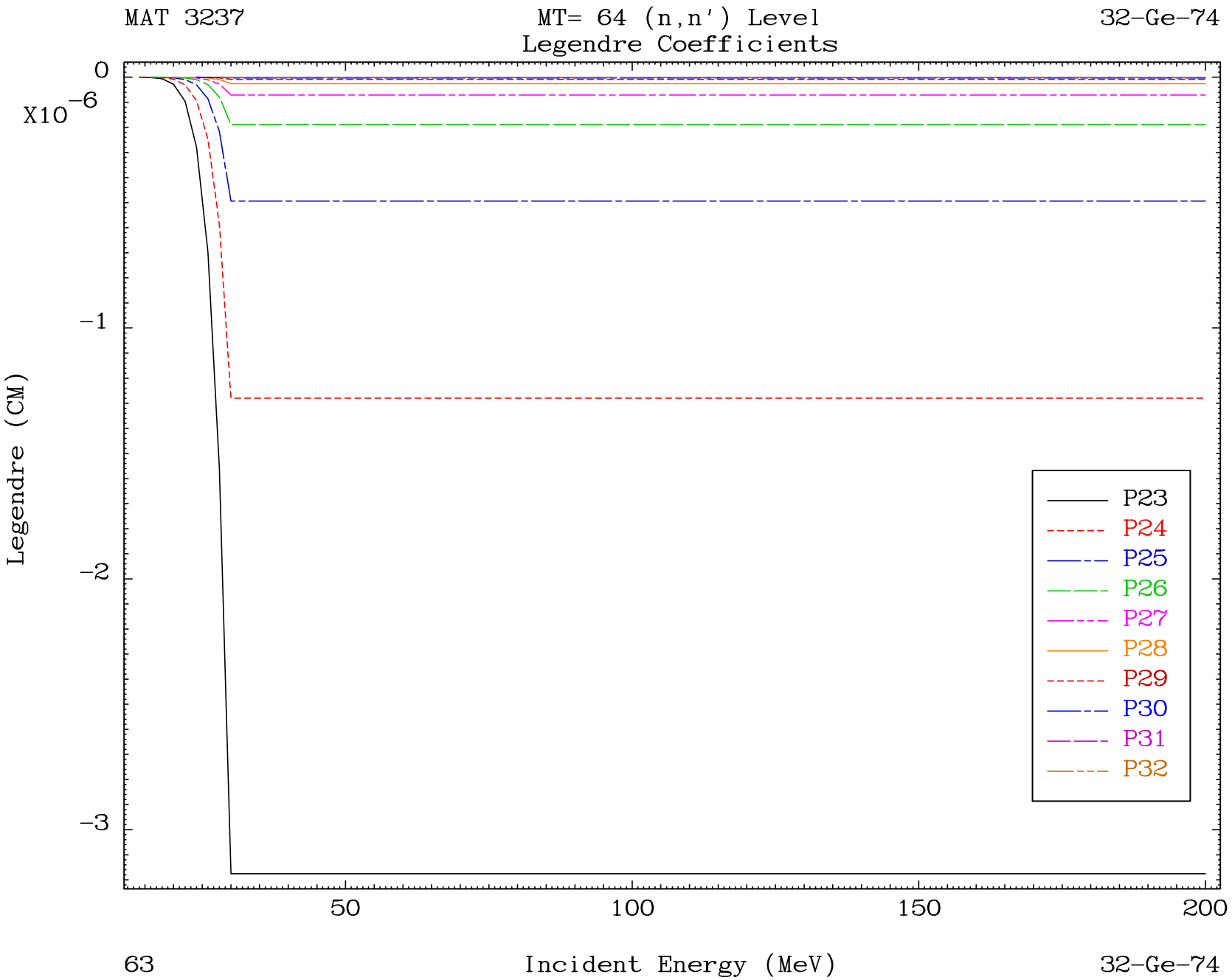

MAT 3237
MT= 63 (n,n') Level
Legendre Coefficients
32-Ge-74
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
0
50
100
150
200
58
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

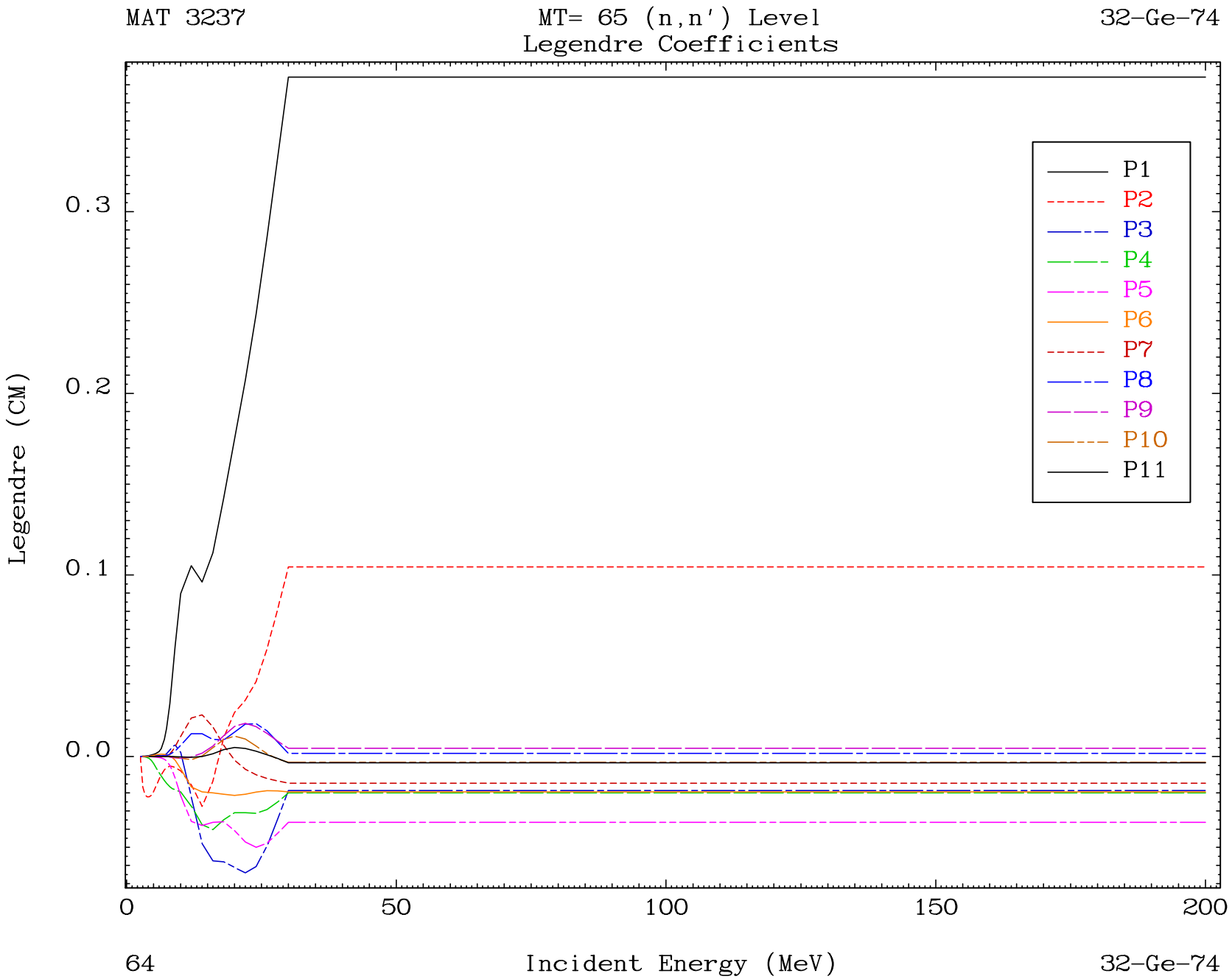

MAT 3237
MT= 63 (n,n') Level
Legendre Coefficients
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
32-Ge-74

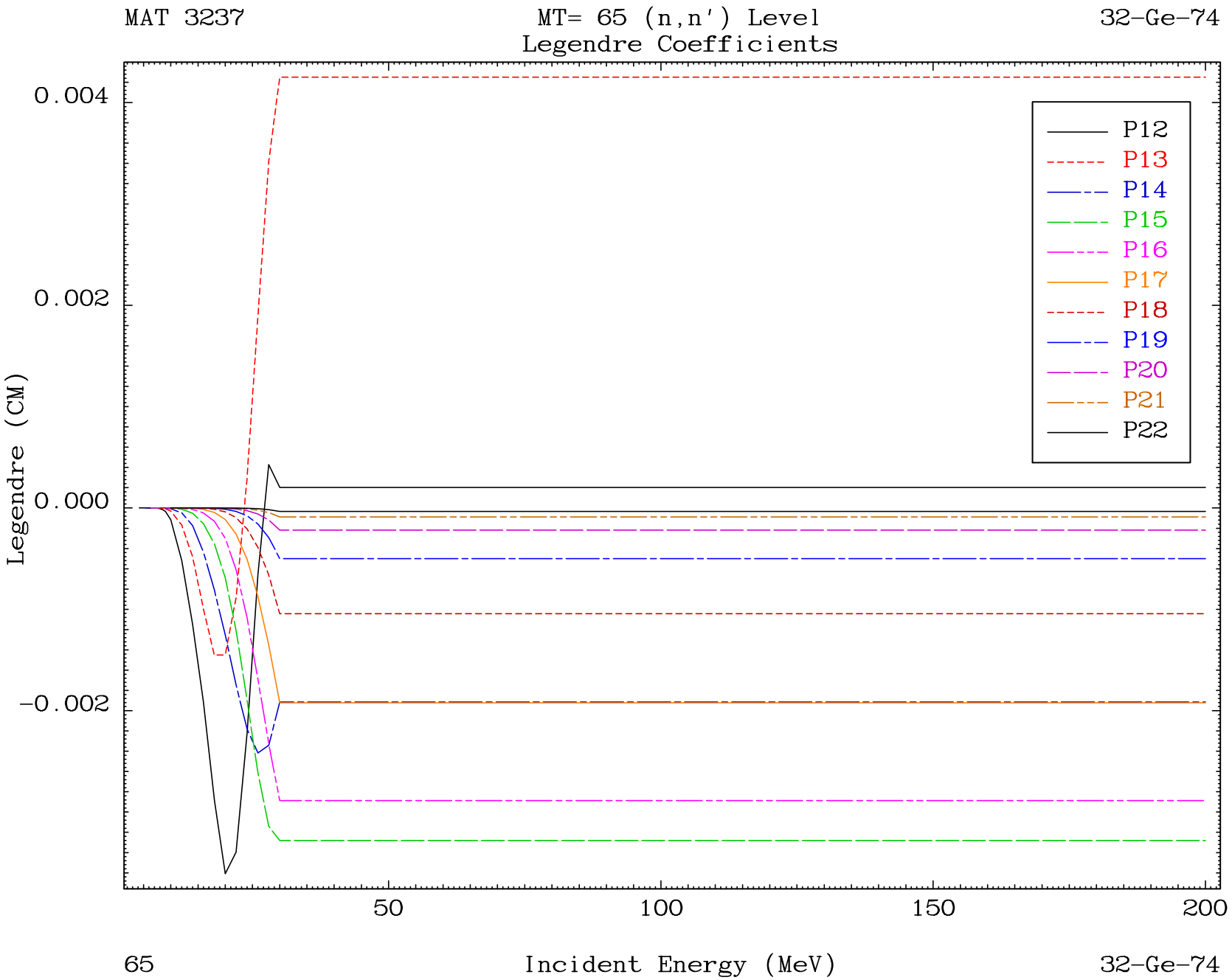

MAT 3237
MT= 63 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

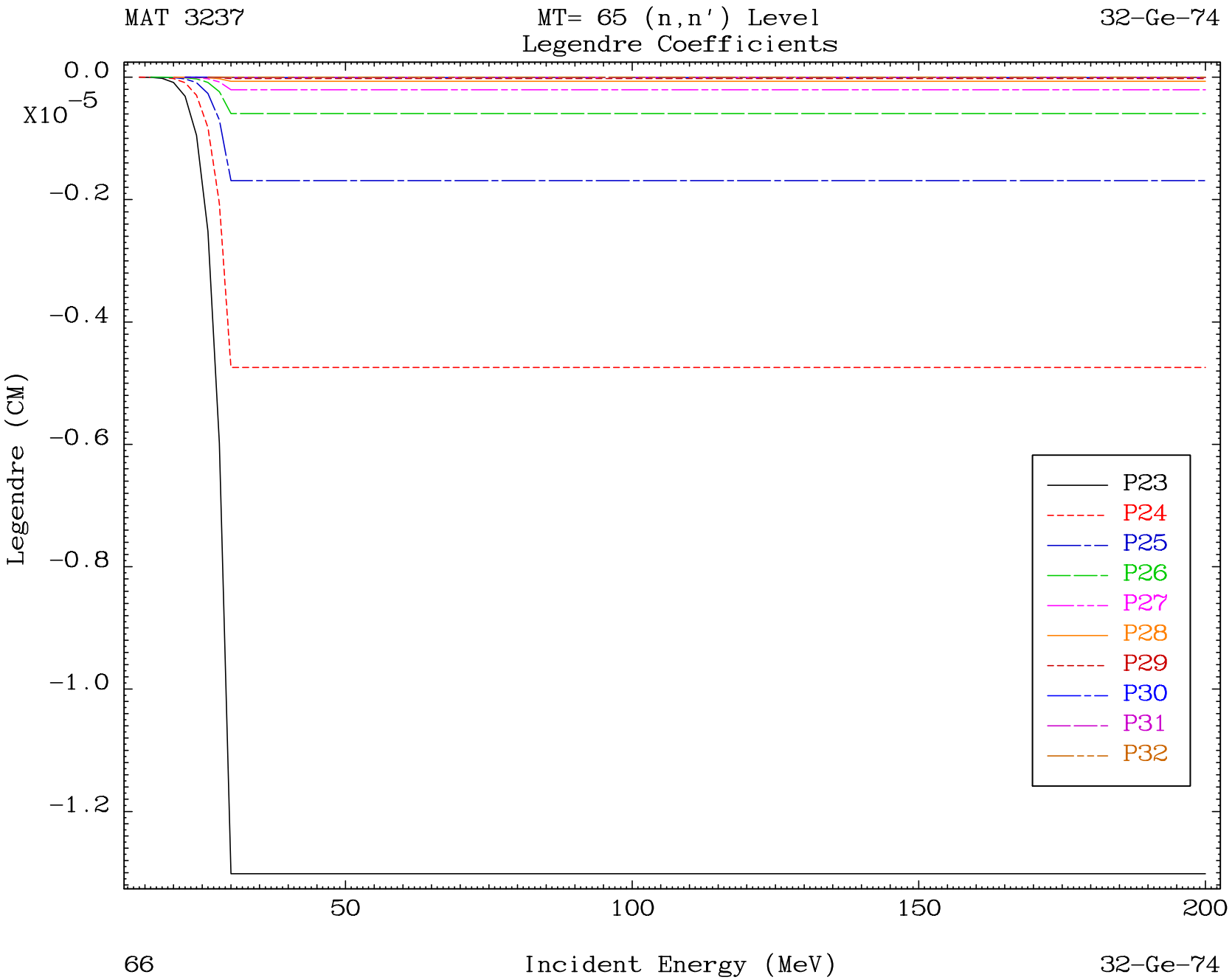

MAT 3237
MT= 64 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
61
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

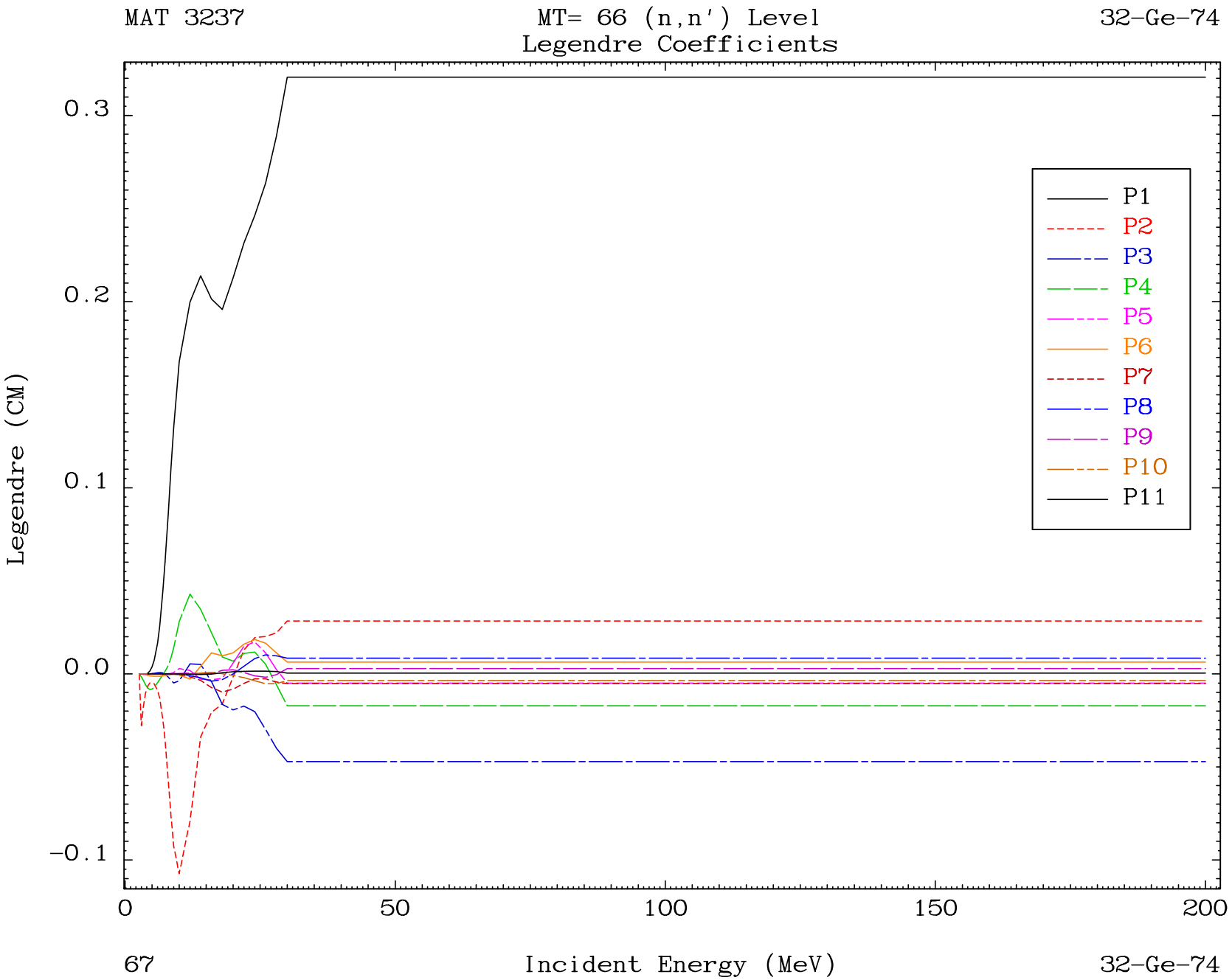

MAT 3237
MT= 64 (n,n') Level
Legendre Coefficients
32-Ge-74
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
Legendre (CM)
50
100
150
200
62
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

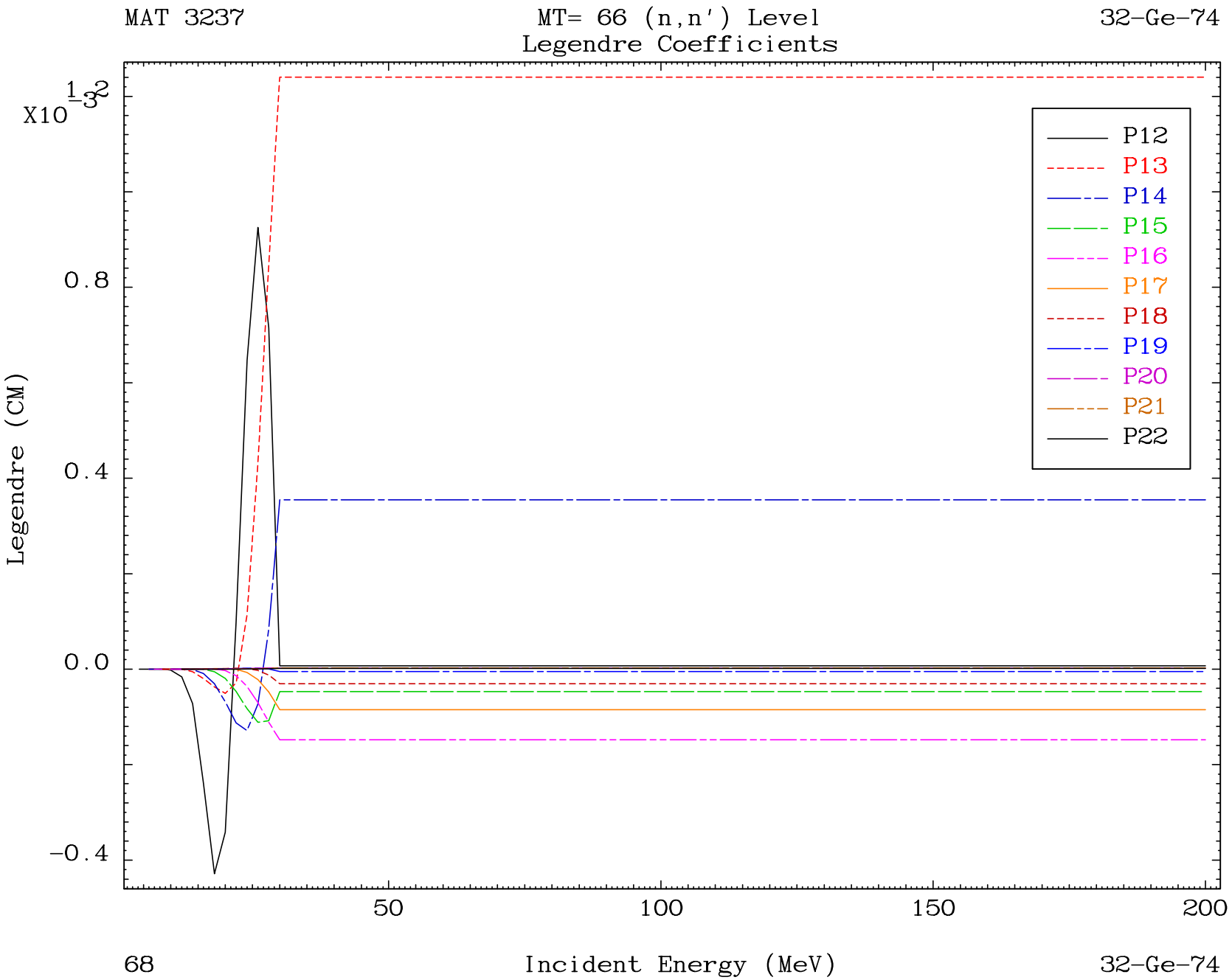

MAT 3237
MT= 64 (n,n') Level
Legendre Coefficients
32-Ge-74
0
X10^-6
-1
-2
-3
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

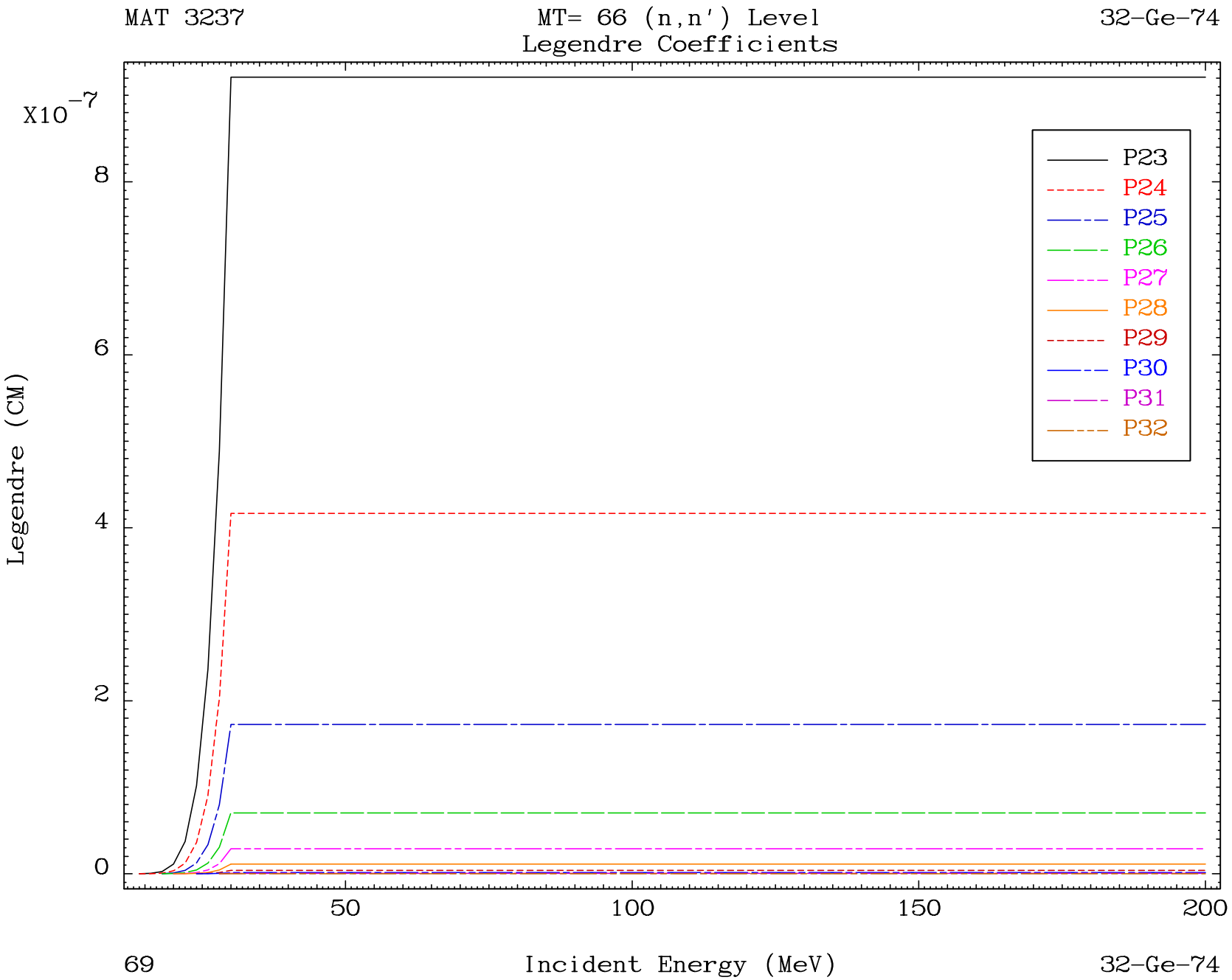

MAT 3237
MT= 65 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
64
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

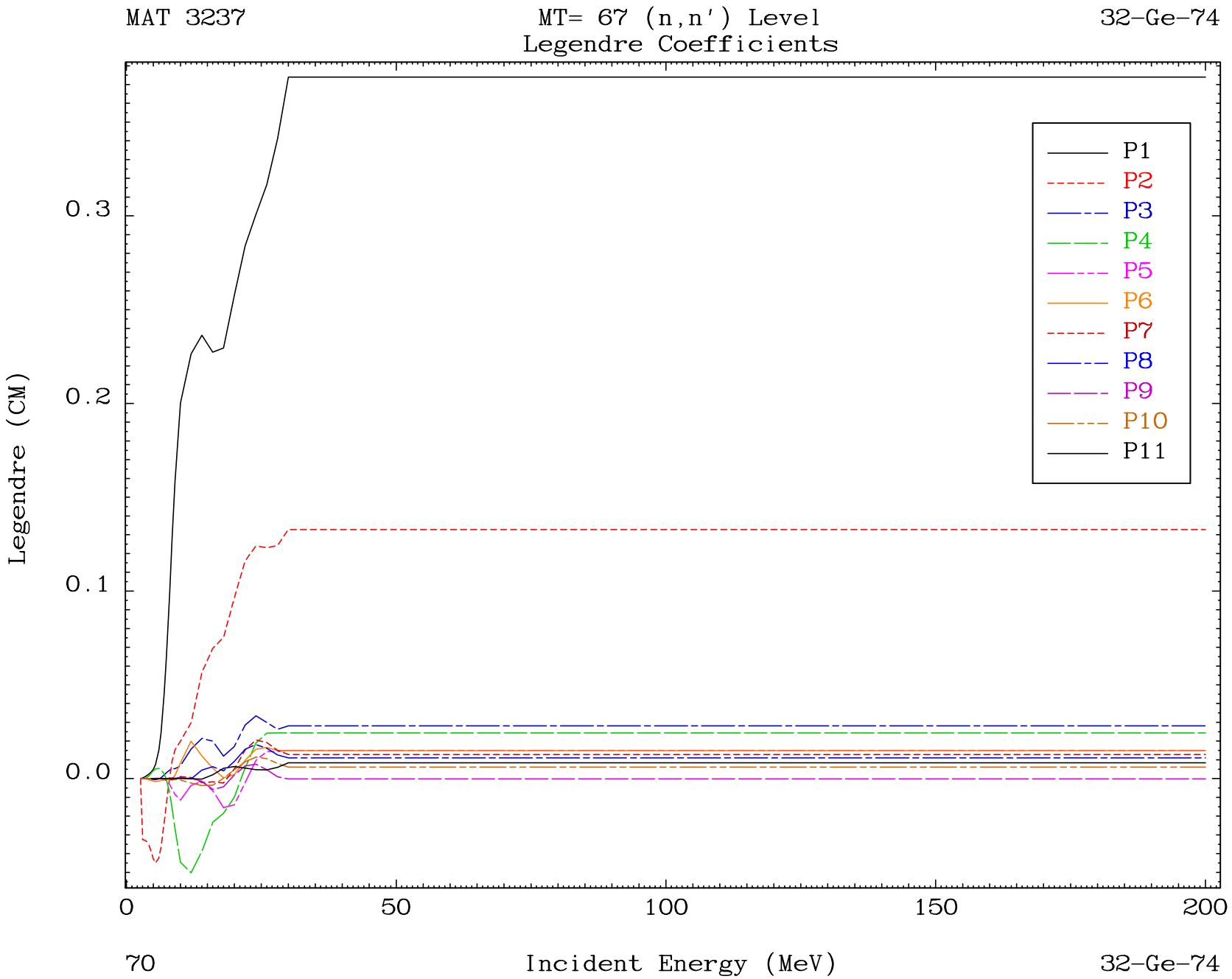

MAT 3237
MT= 65 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
65
Incident Energy (MeV)
32-Ge-74

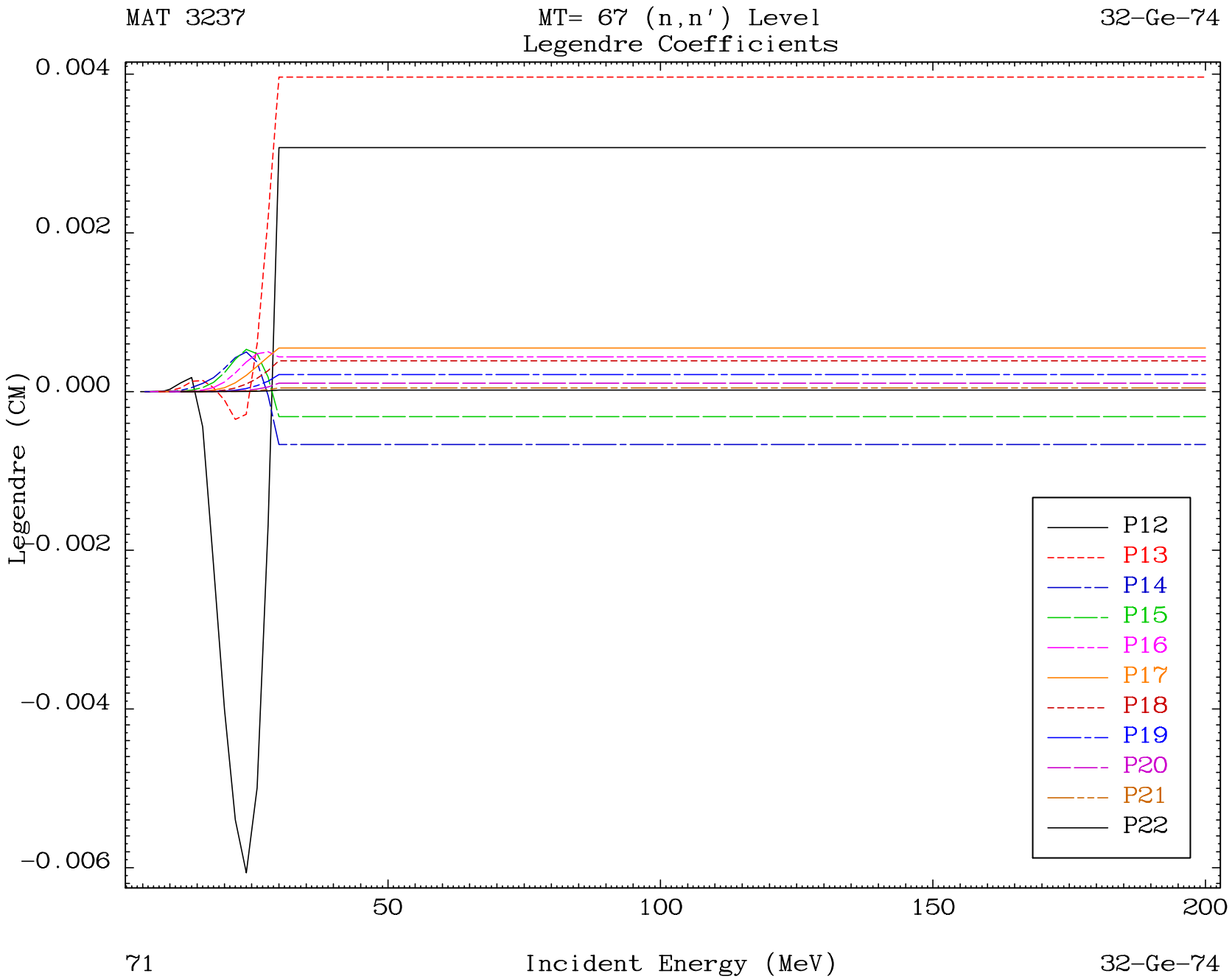

MAT 3237
MT= 65 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

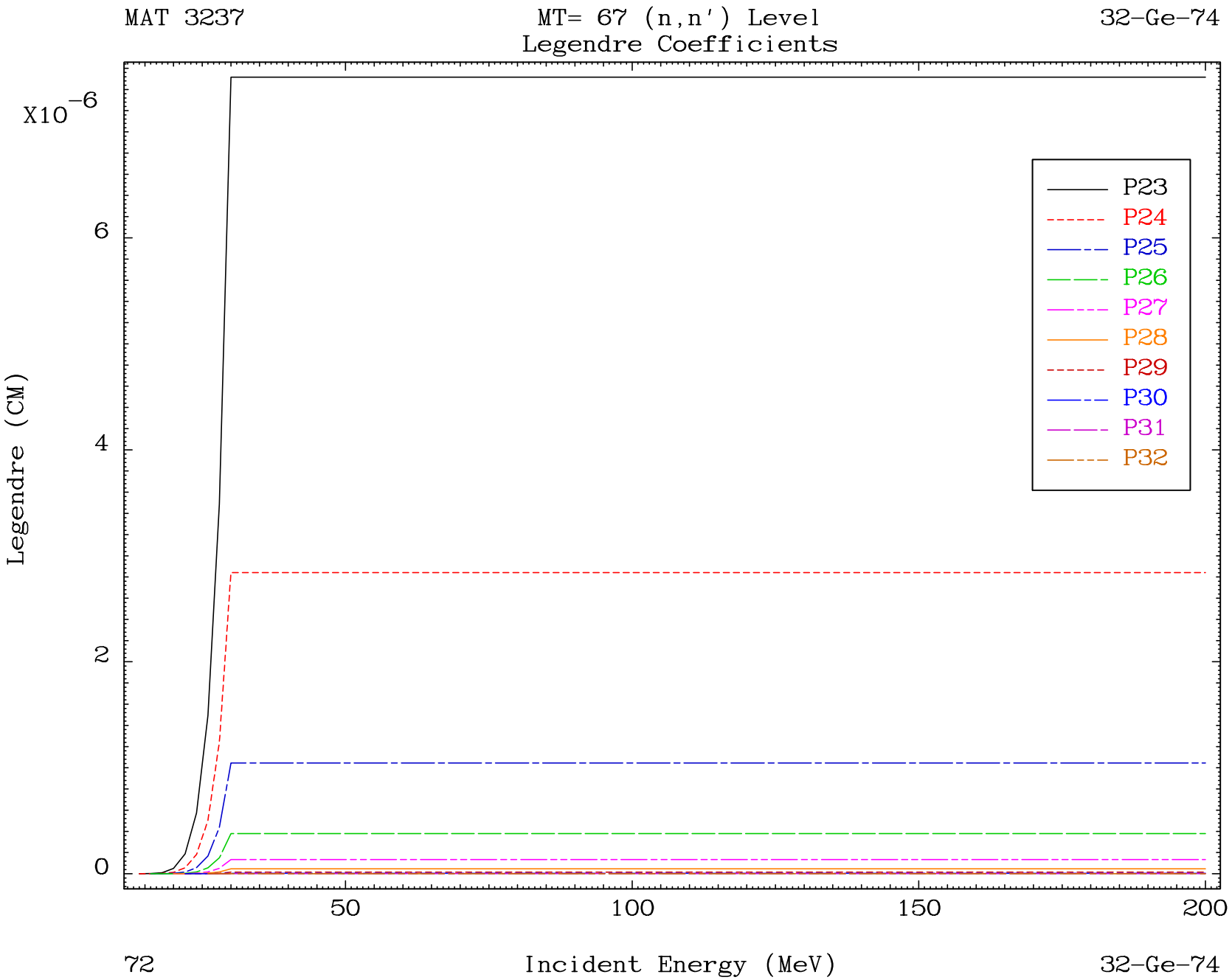

MAT 3237
MT= 66 (n,n') Level
Legendre Coefficients
32-Ge-74
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
0
50
100
150
200
67
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

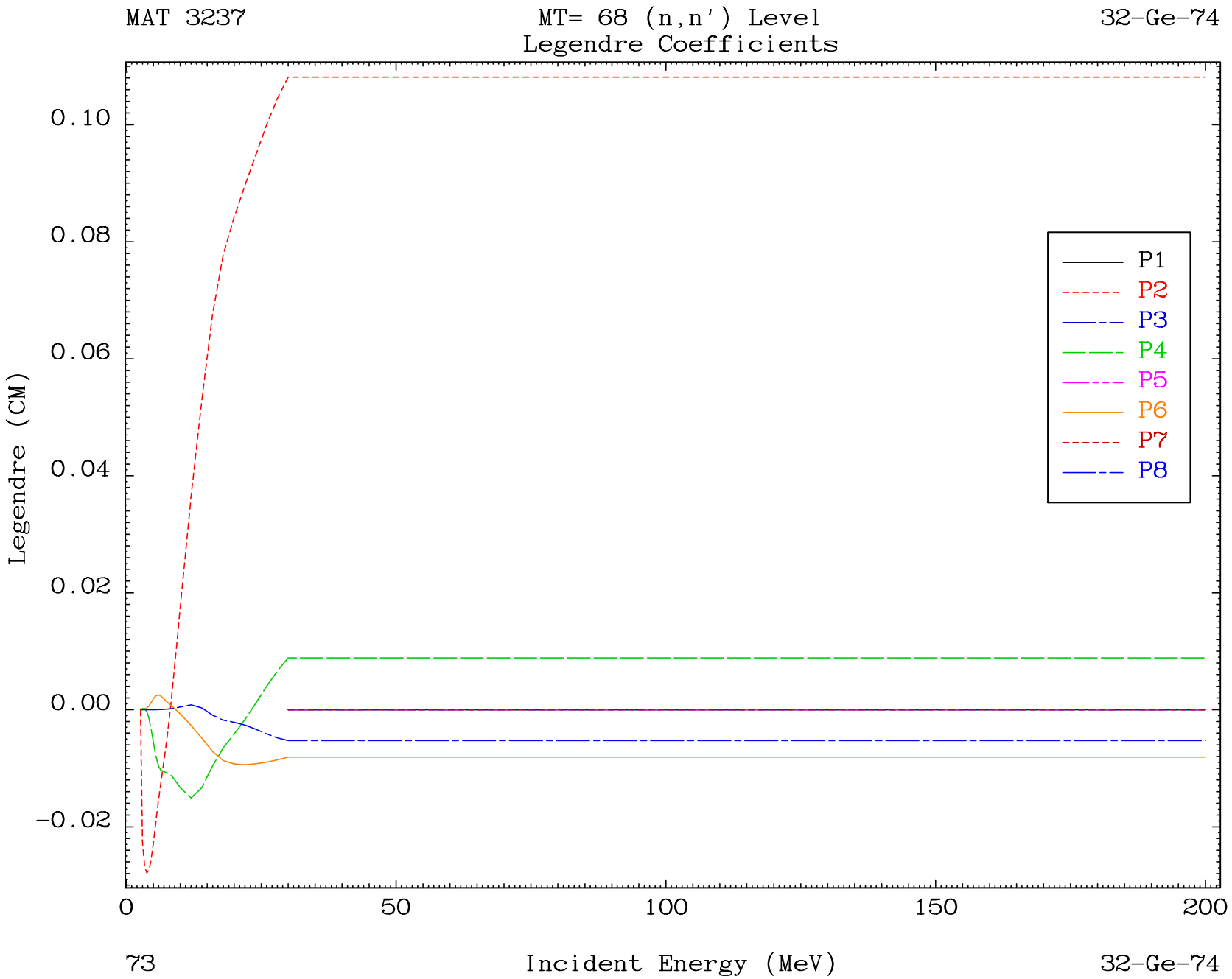

MAT 3237
MT= 66 (n,n') Level
Legendre Coefficients
32-Ge-74
X10 -3
1
2
0.8
0.4
0.0
-0.4
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
68
Incident Energy (MeV)
32-Ge-74

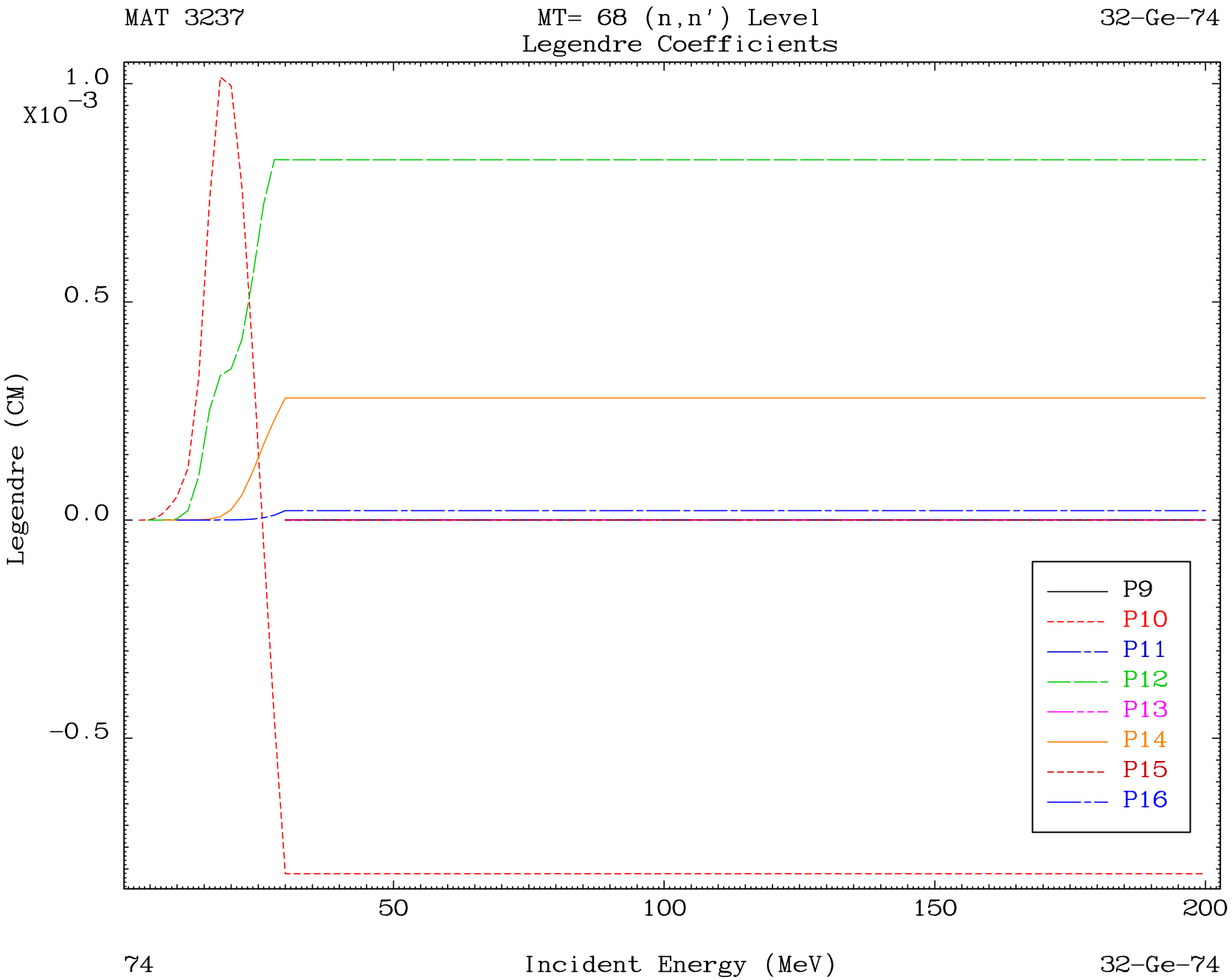

MAT 3237
MT= 66 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-7
8
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
69
Incident Energy (MeV)
32-Ge-74

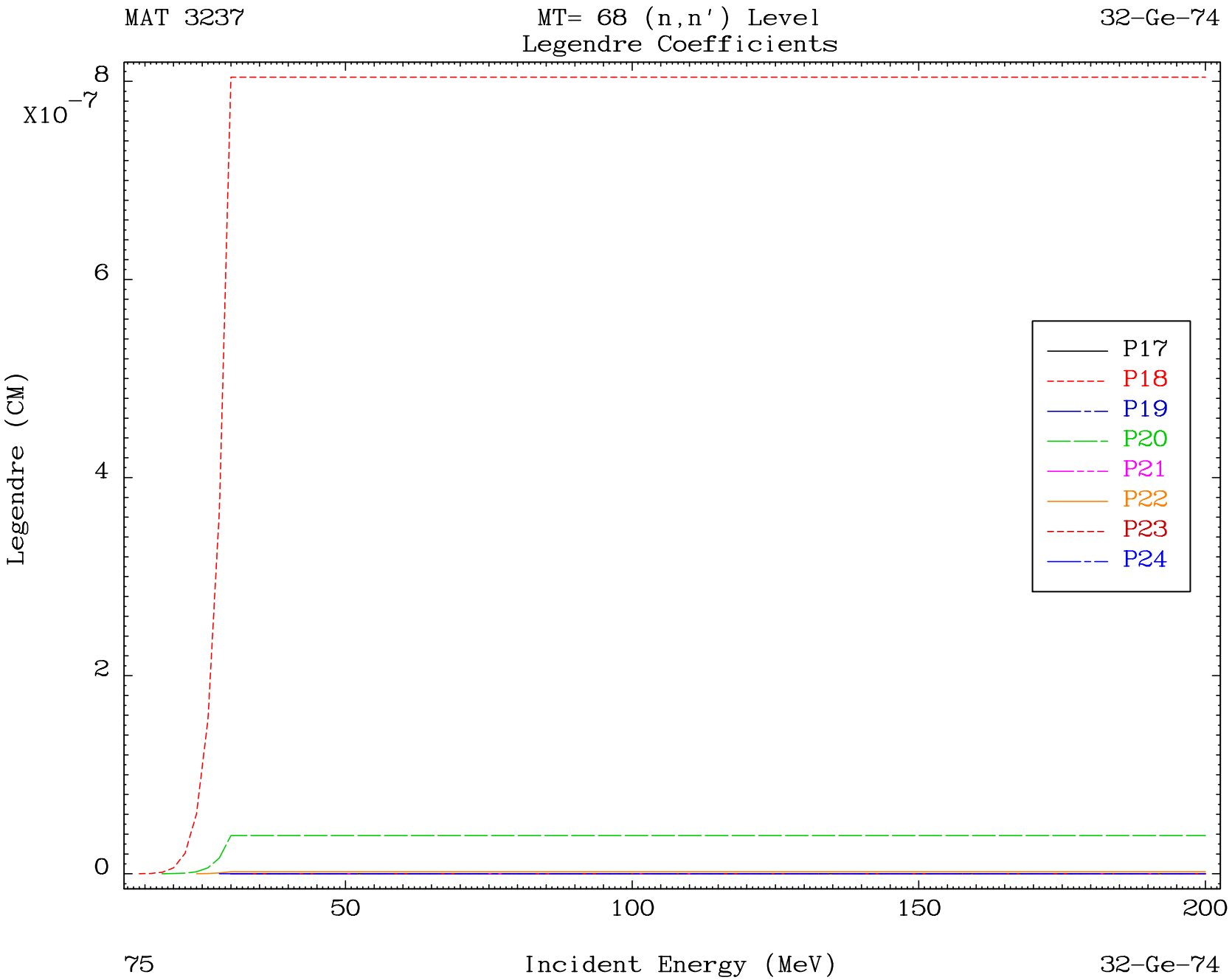

MAT 3237
MT= 67 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
70
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

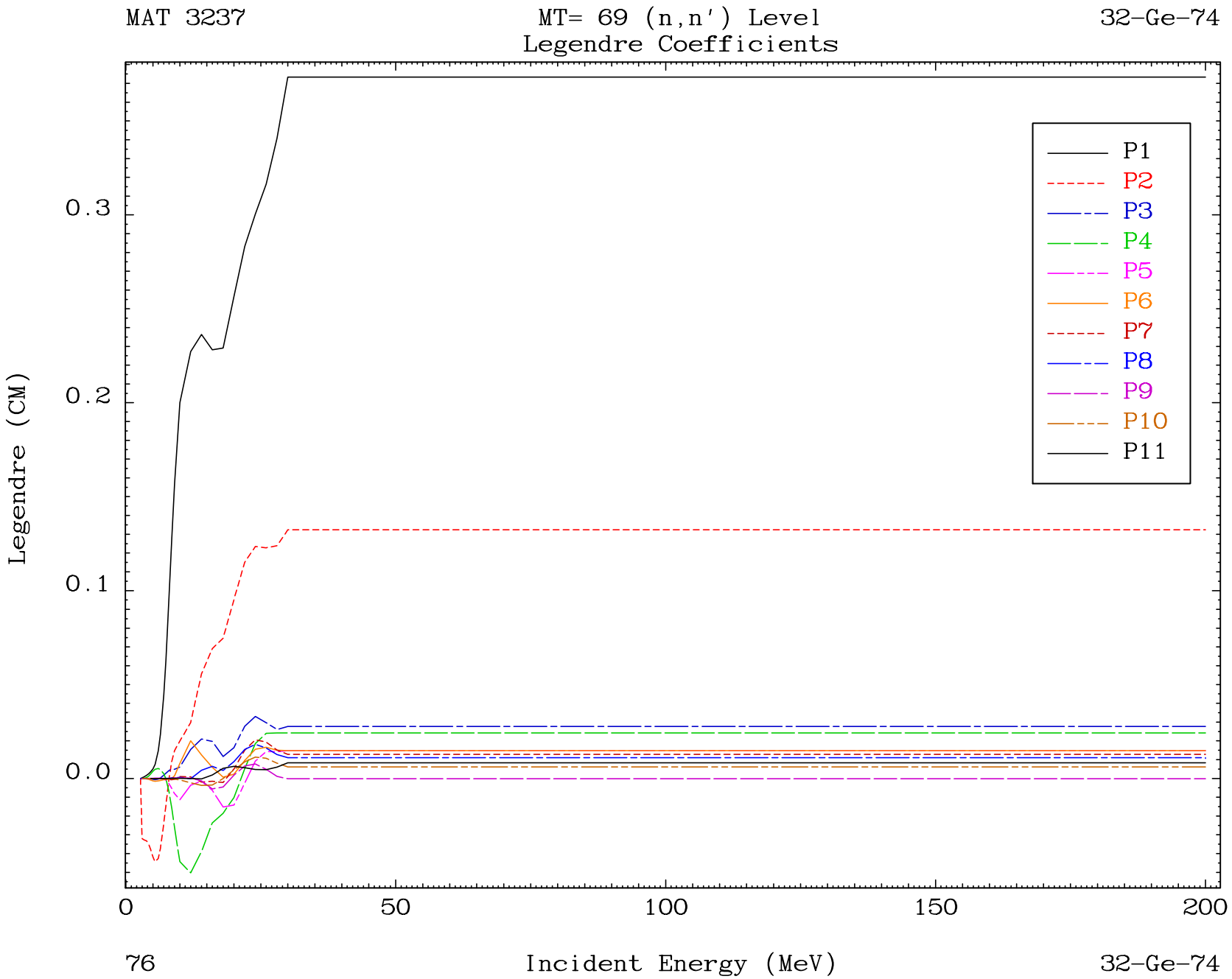

MAT 3237
MT= 67 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

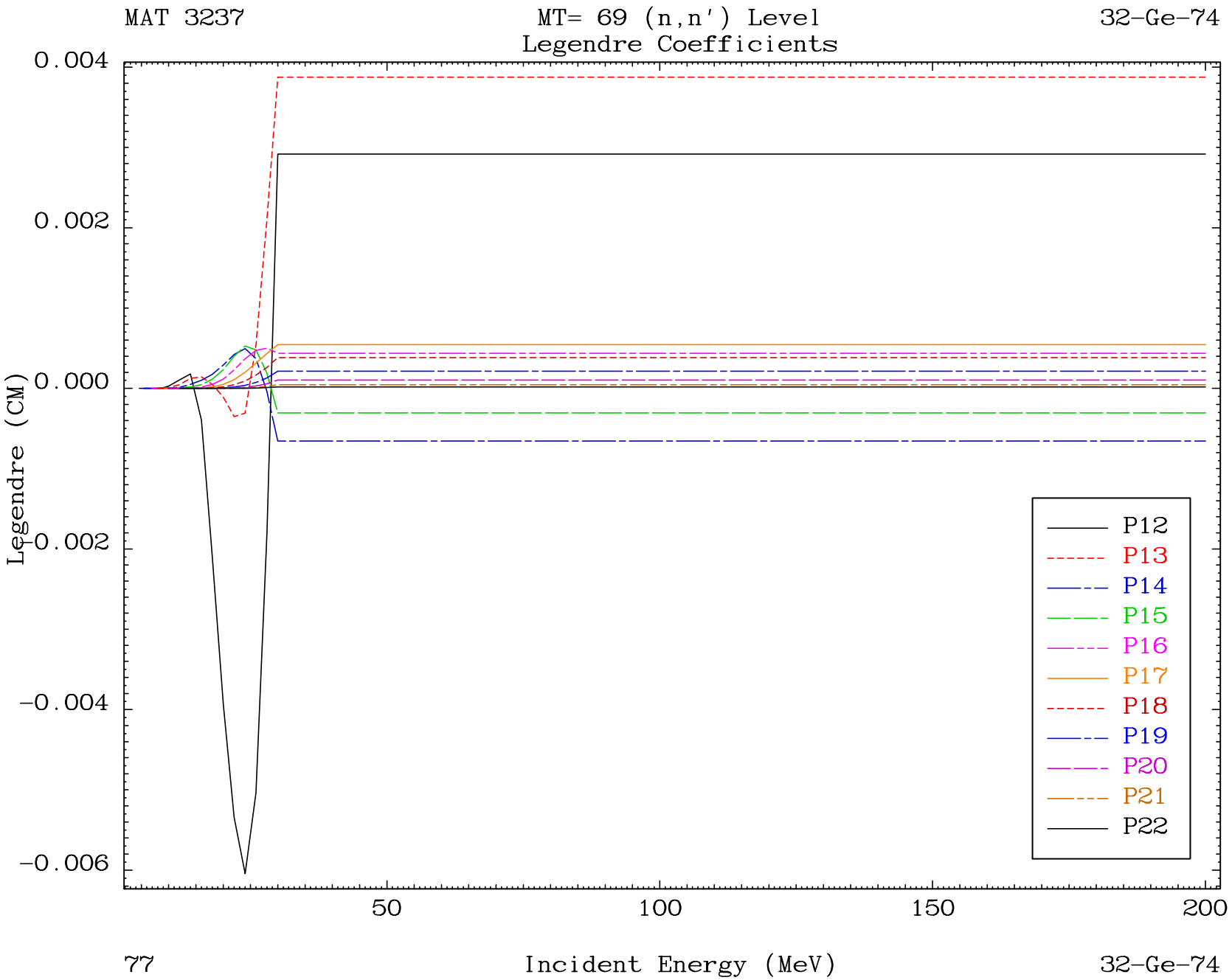

MAT 3237
MT= 67 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
72
Incident Energy (MeV)
32-Ge-74

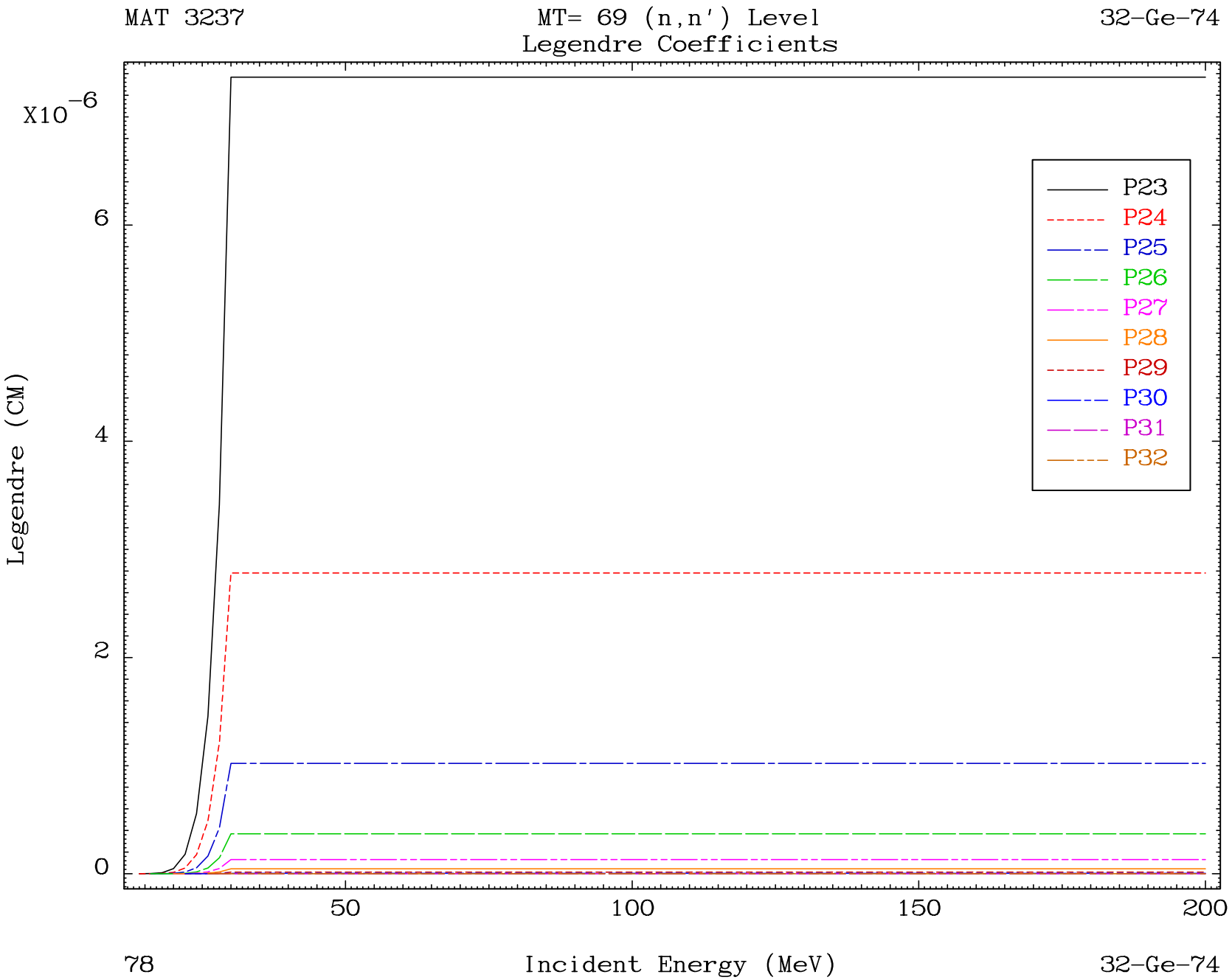

MAT 3237
MT= 68 (n,n') Level
Legendre Coefficients
32-Ge-74
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
73
Incident Energy (MeV)
32-Ge-74

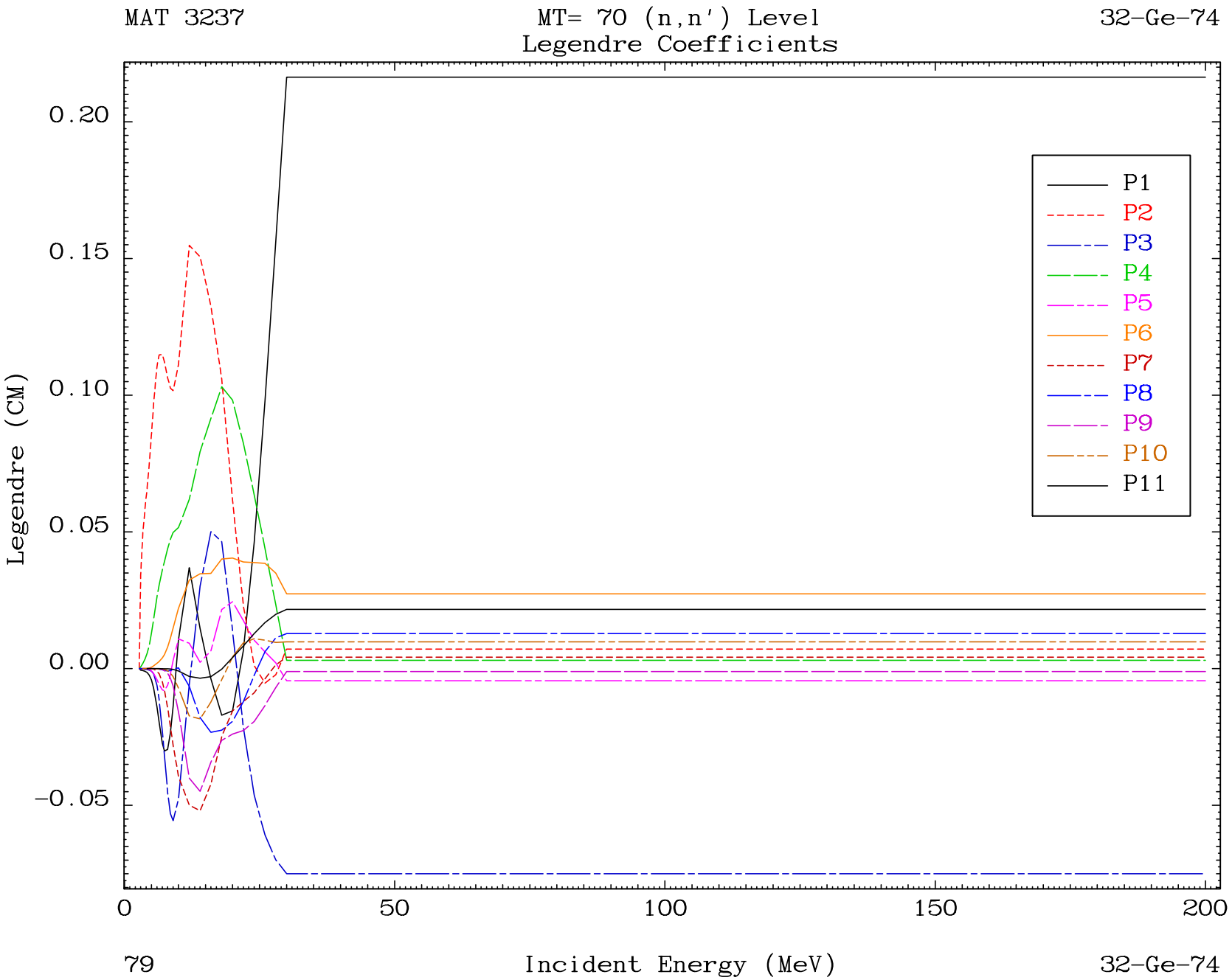

MAT 3237
MT= 68 (n,n') Level
Legendre Coefficients
32-Ge-74
1.0
X10-3
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
32-Ge-74
P9
P10
P11
P12
P13
P14
P15
P16

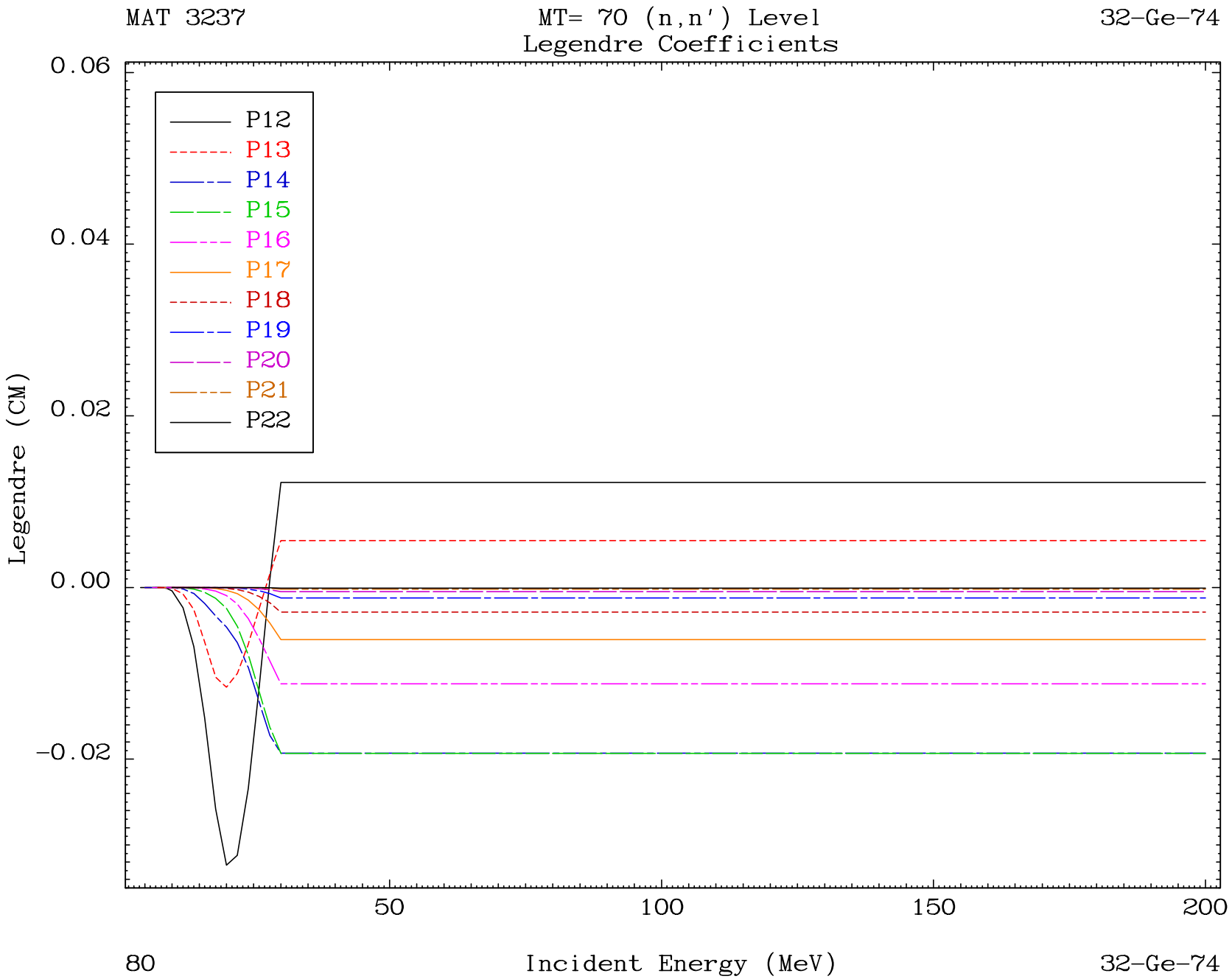

MAT 3237
MT= 68 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-7
8
6
4
2
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
75
Incident Energy (MeV)
32-Ge-74

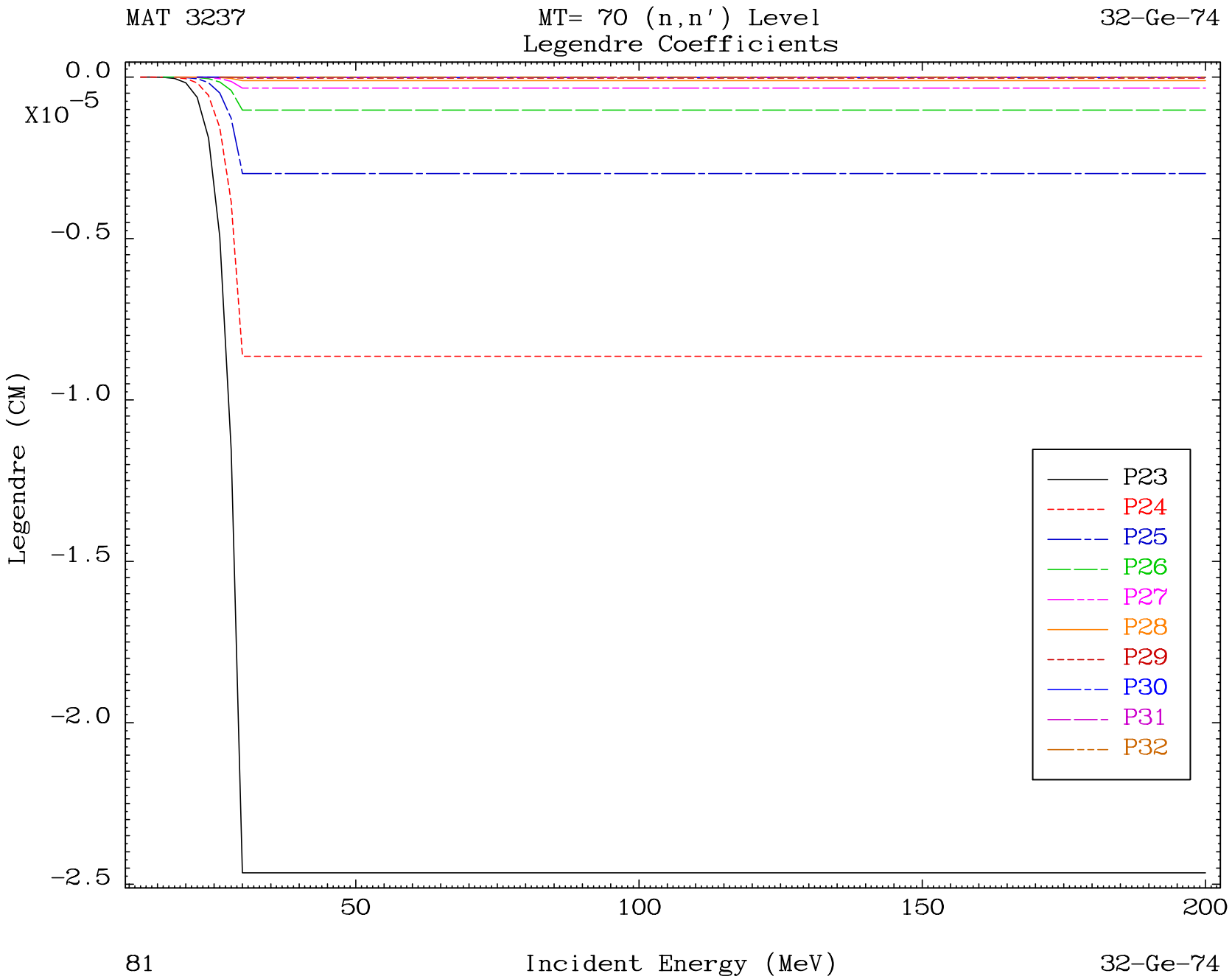

MAT 3237
MT= 69 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
76
Incident Energy (MeV)
32-Ge-74

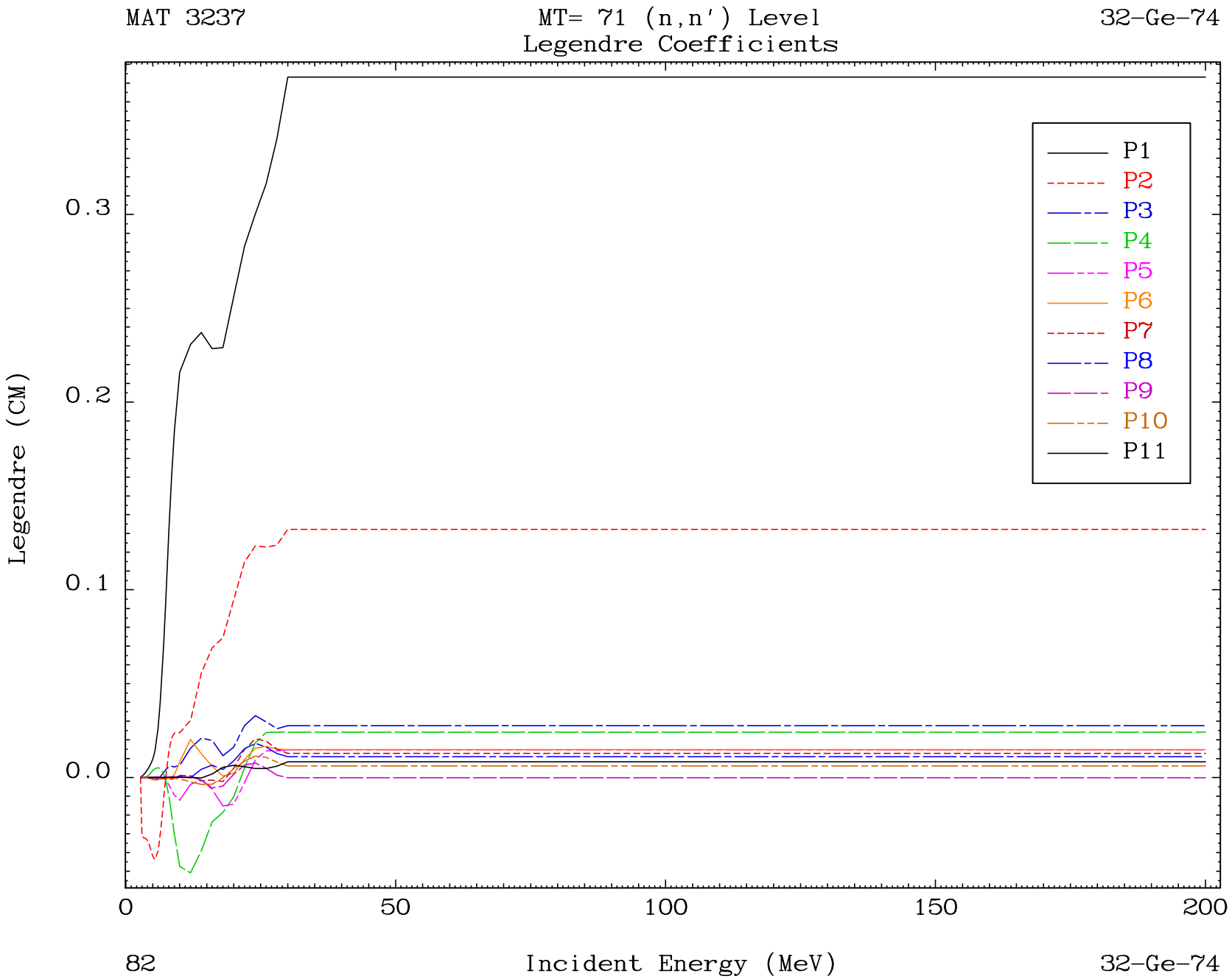

MAT 3237
MT= 69 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

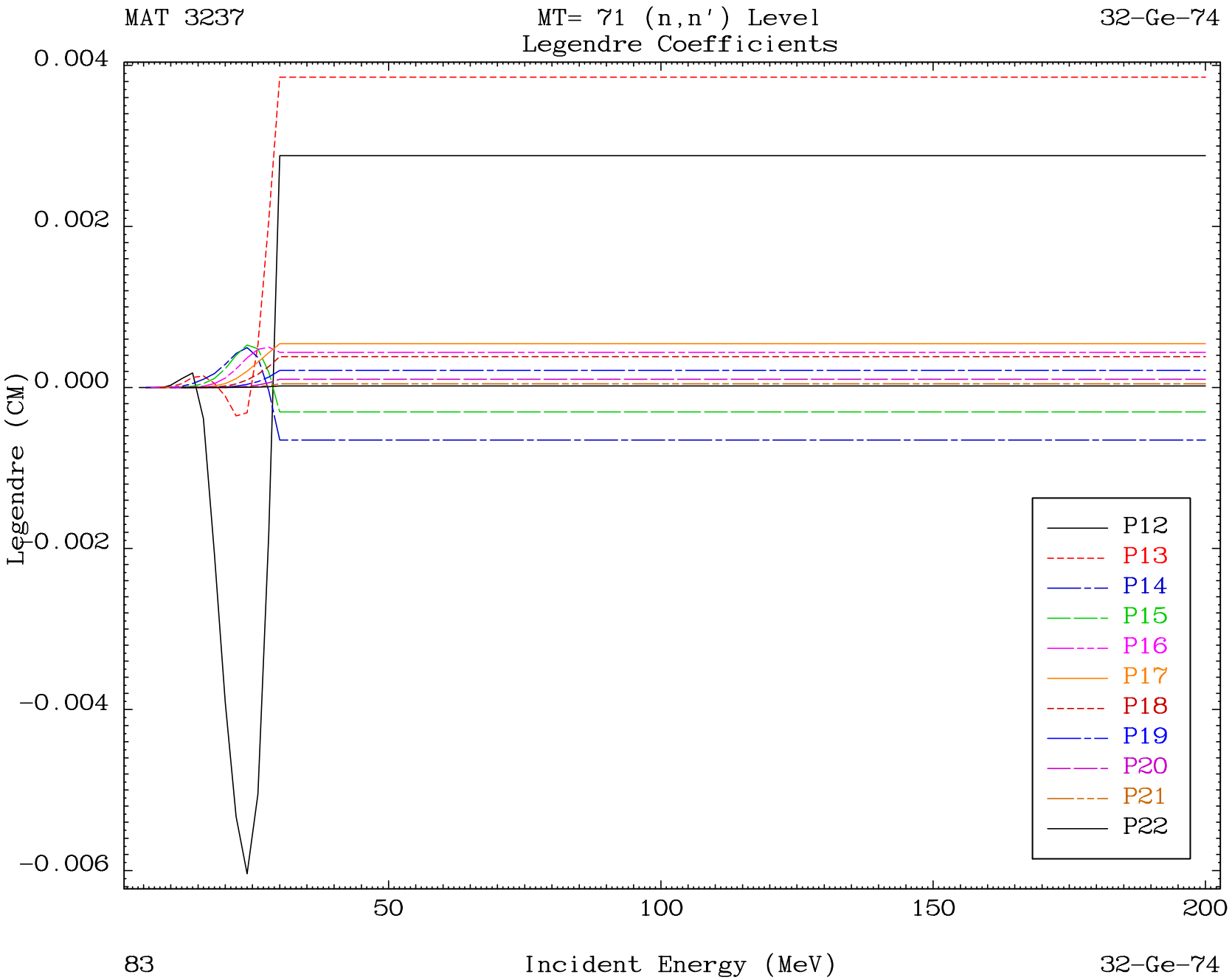

MAT 3237
MT= 69 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
78
Incident Energy (MeV)
32-Ge-74

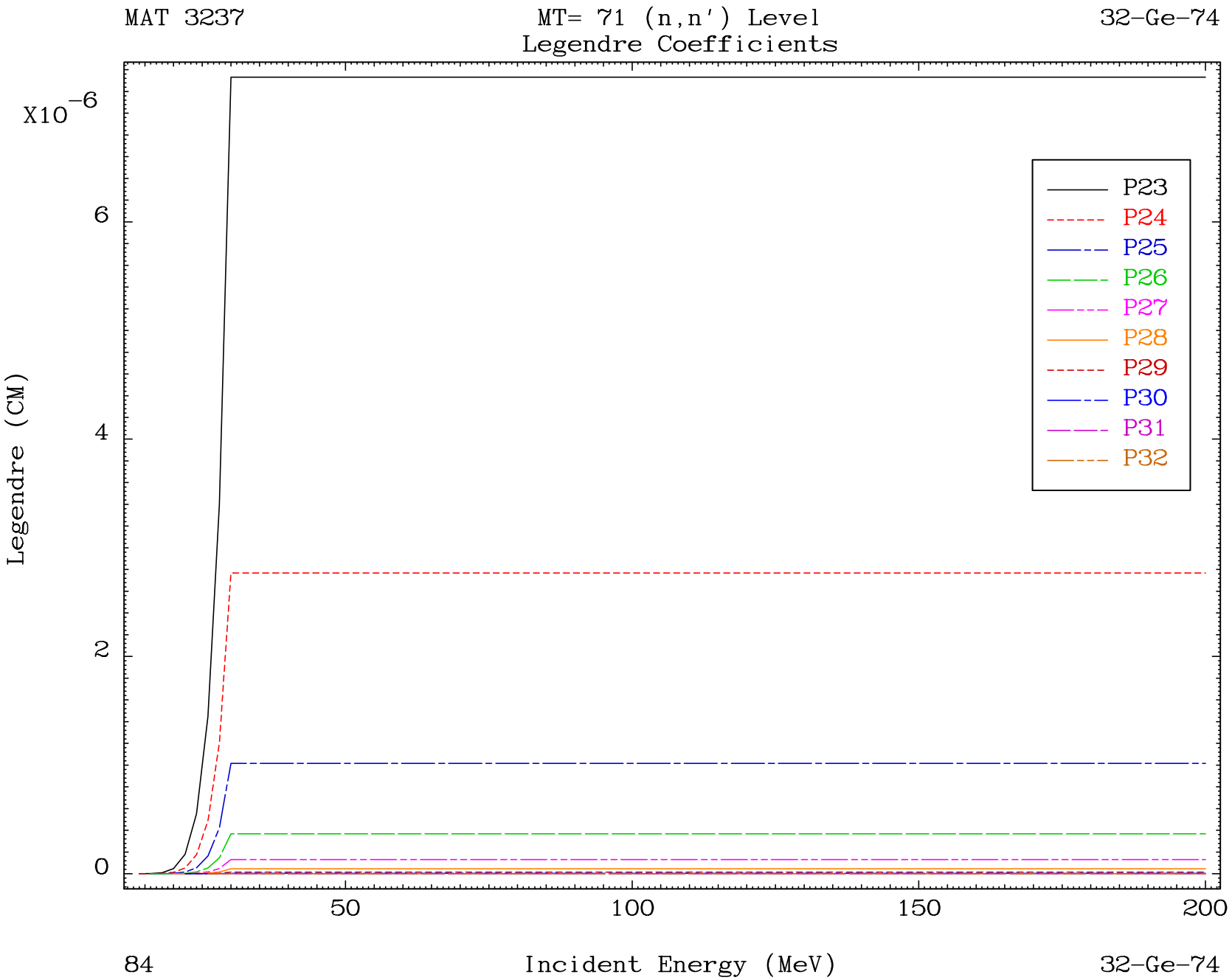

MAT 3237
MT= 70 (n,n') Level
Legendre Coefficients
32-Ge-74
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
0
50
100
150
200
79
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

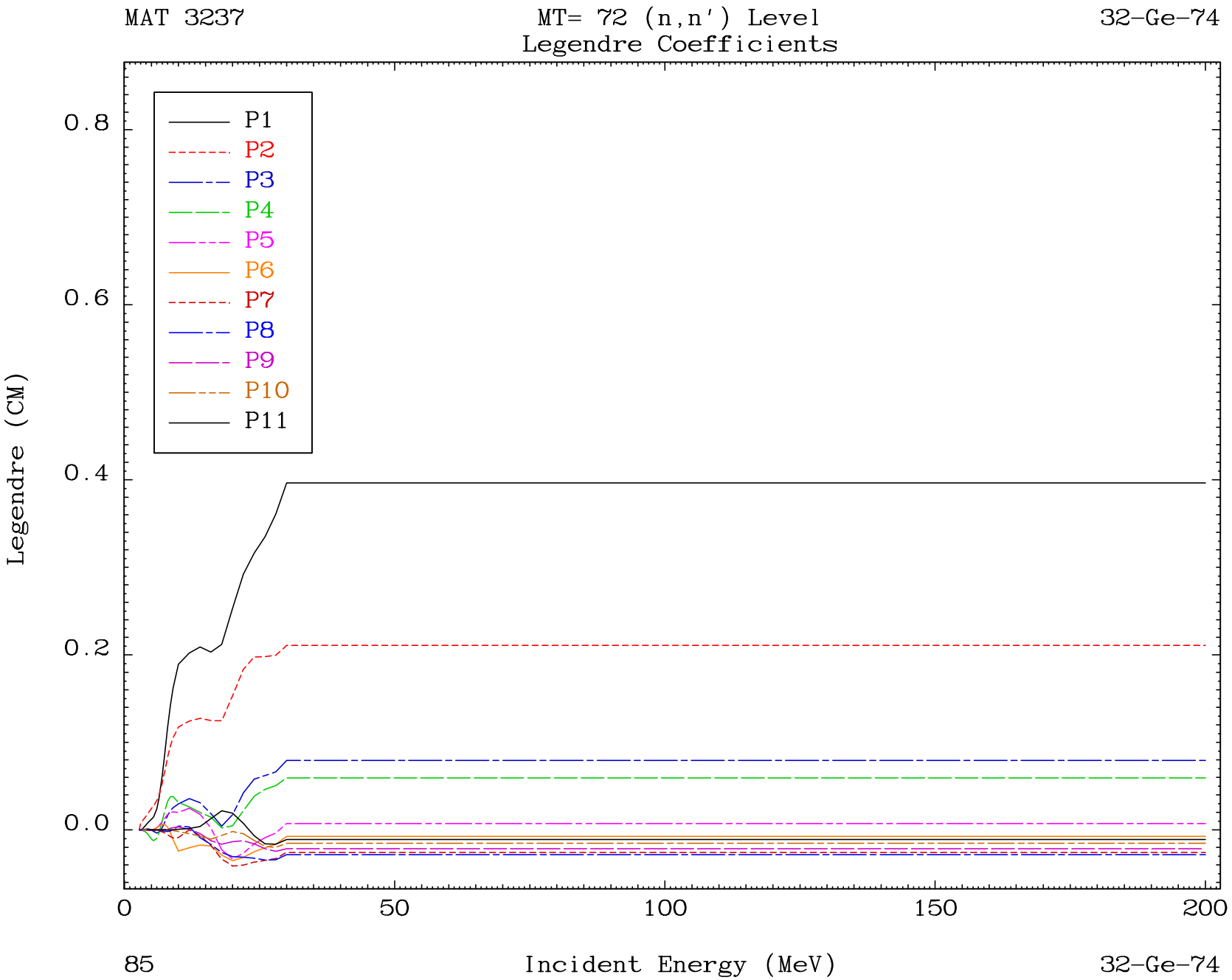

MAT 3237
MT= 70 (n,n') Level
Legendre Coefficients
32-Ge-74
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
80
Incident Energy (MeV)
32-Ge-74

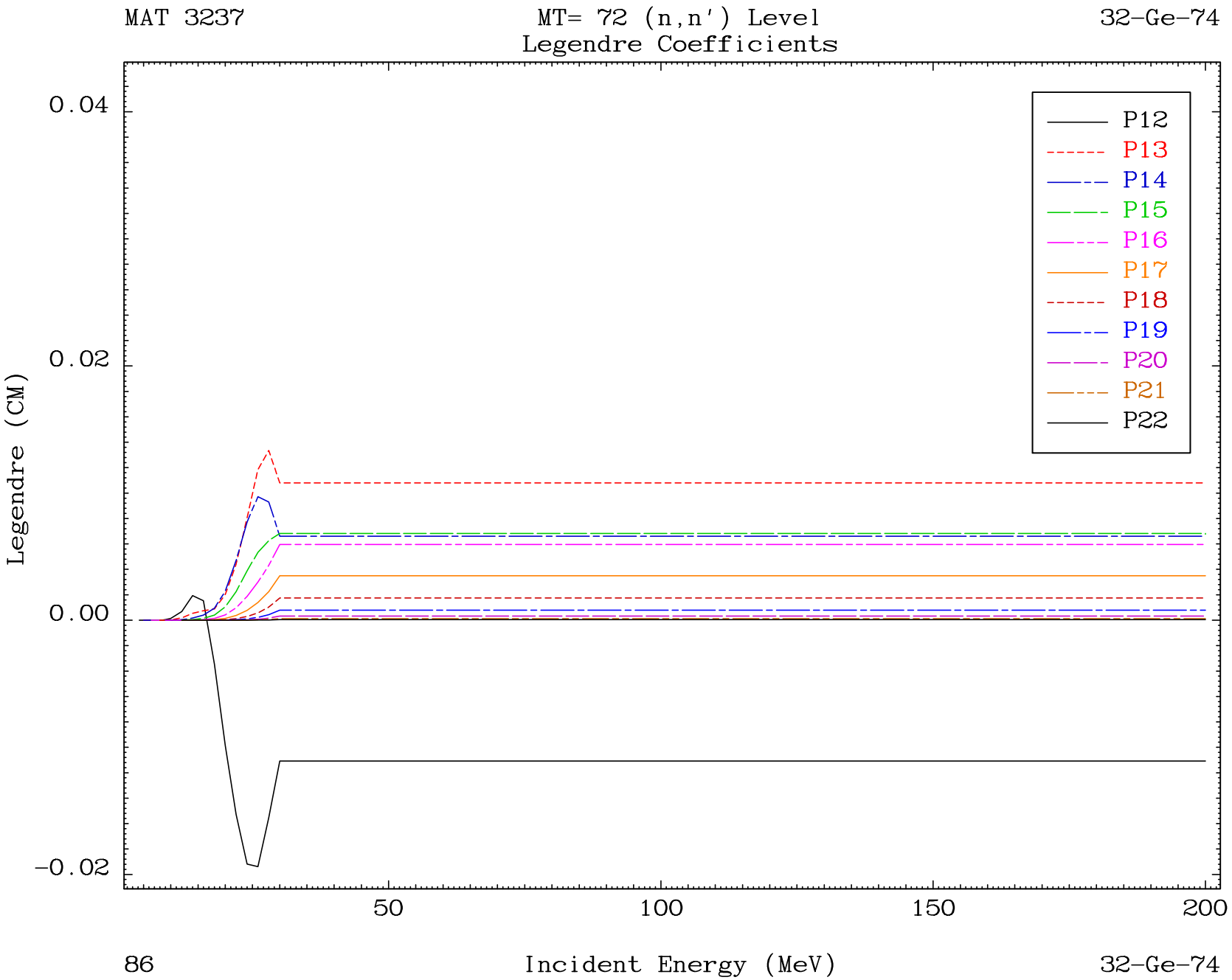

MAT 3237
MT= 70 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

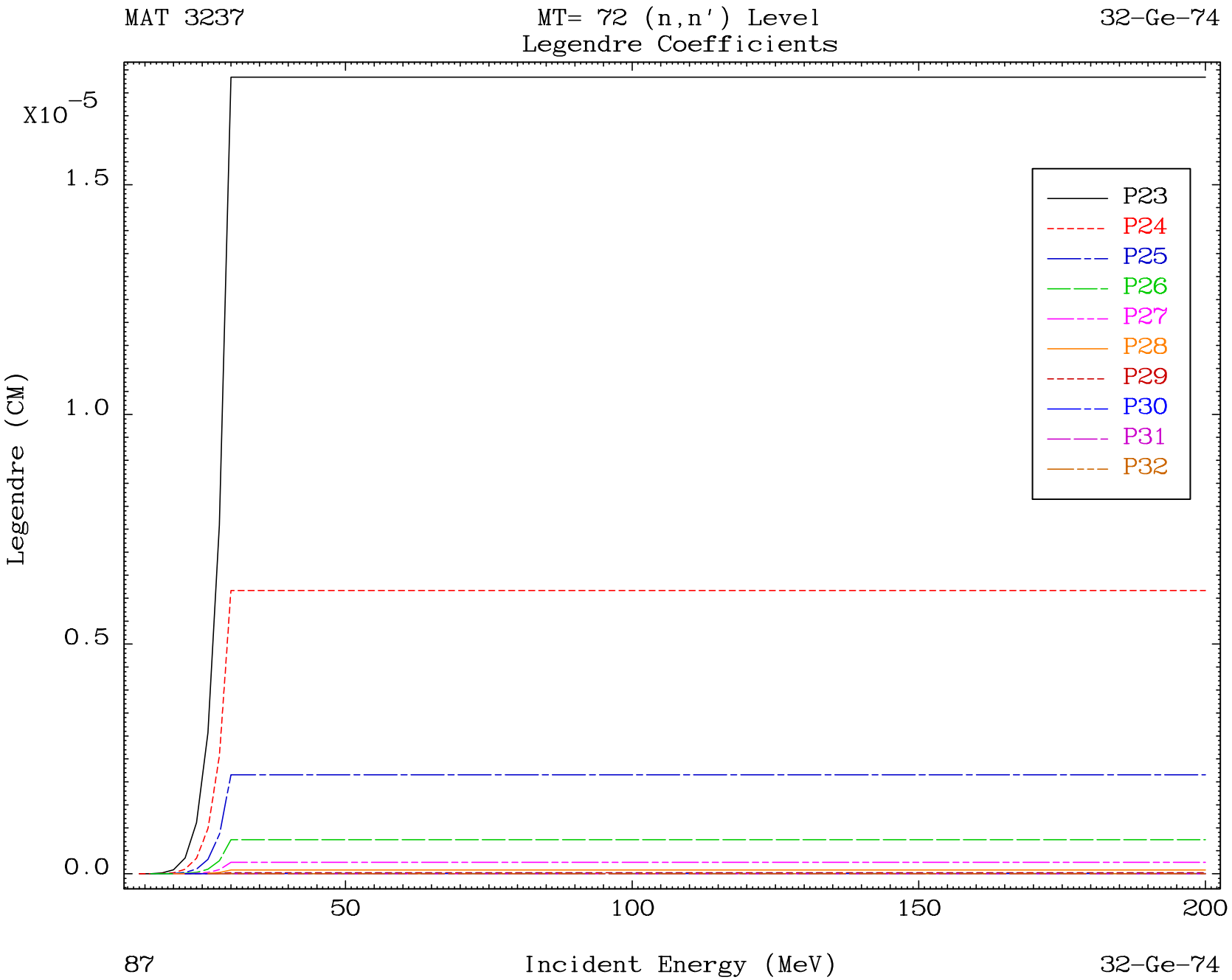

MAT 3237
MT= 71 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
82
Incident Energy (MeV)
32-Ge-74

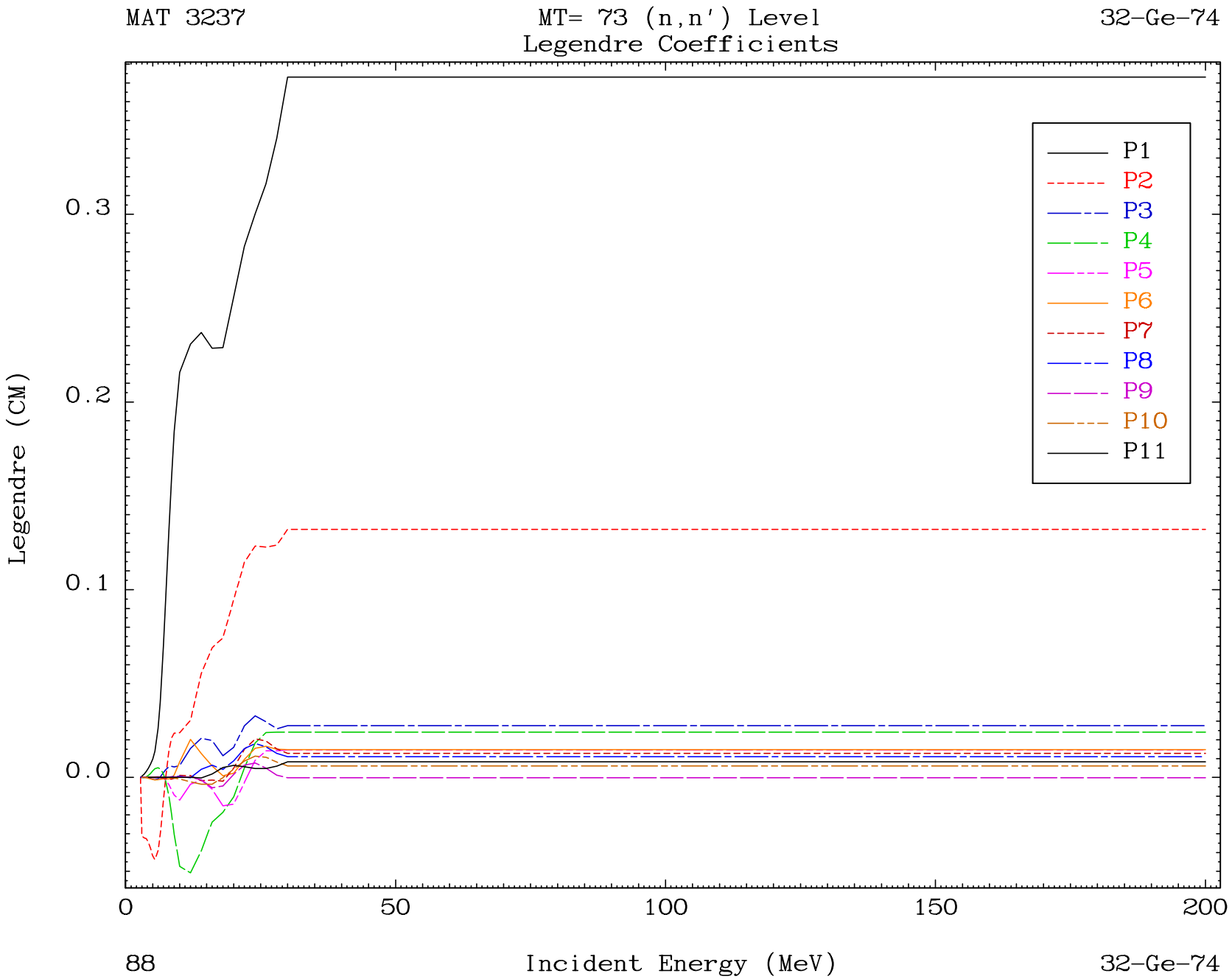

MAT 3237
MT= 71 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
83
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

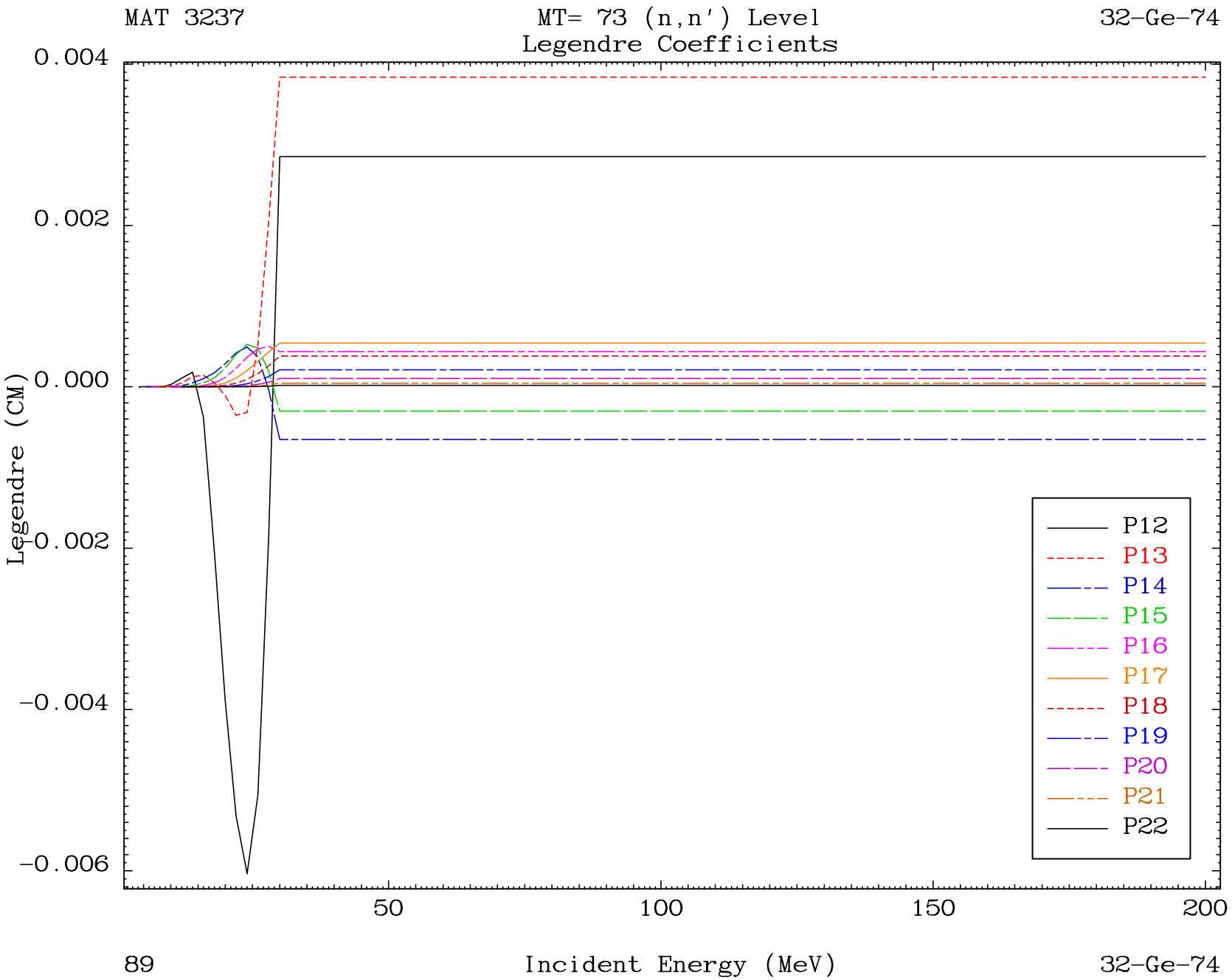

MAT 3237
MT= 71 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
84
Incident Energy (MeV)
32-Ge-74

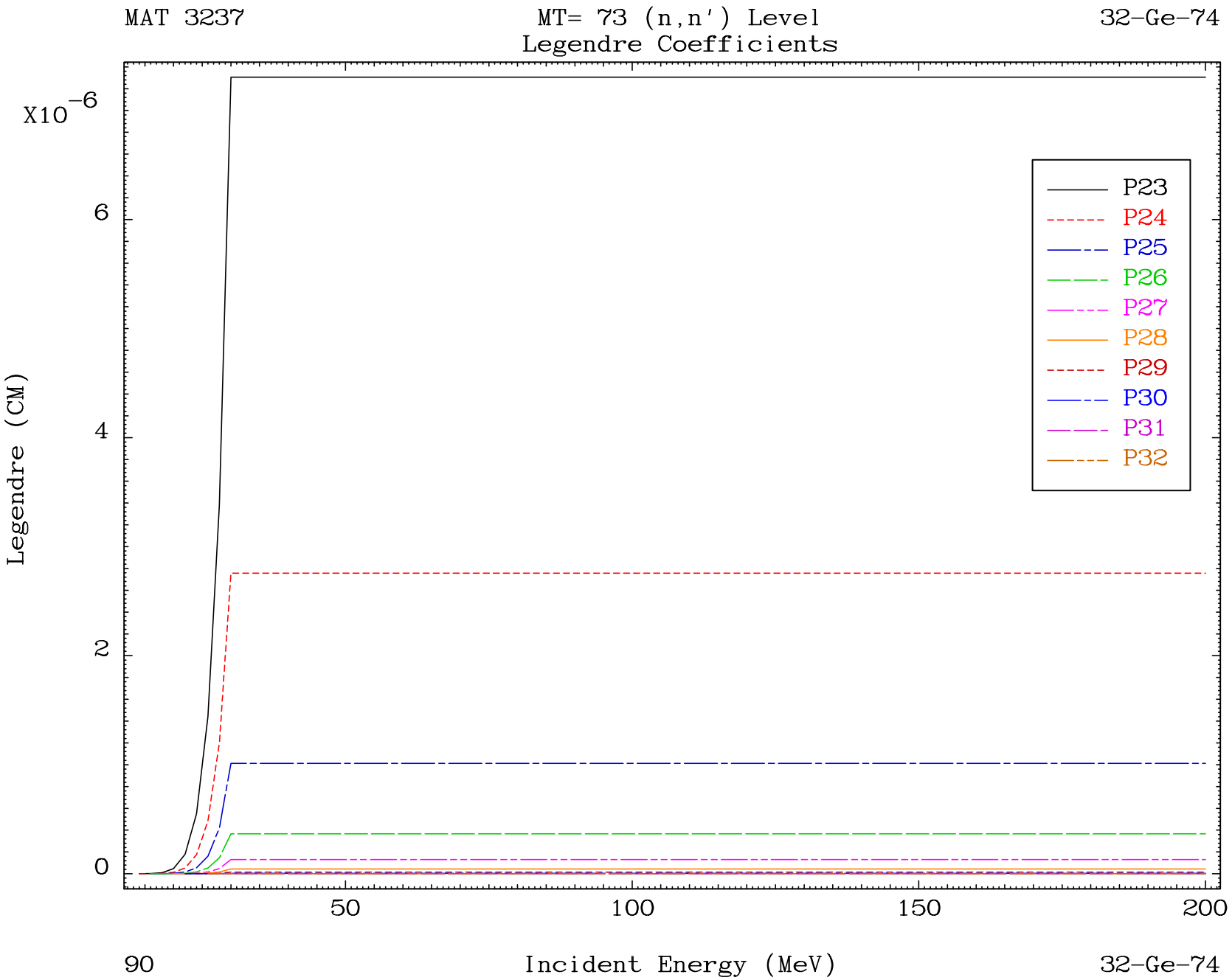

MAT 3237
MT= 72 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
85
Incident Energy (MeV)
32-Ge-74

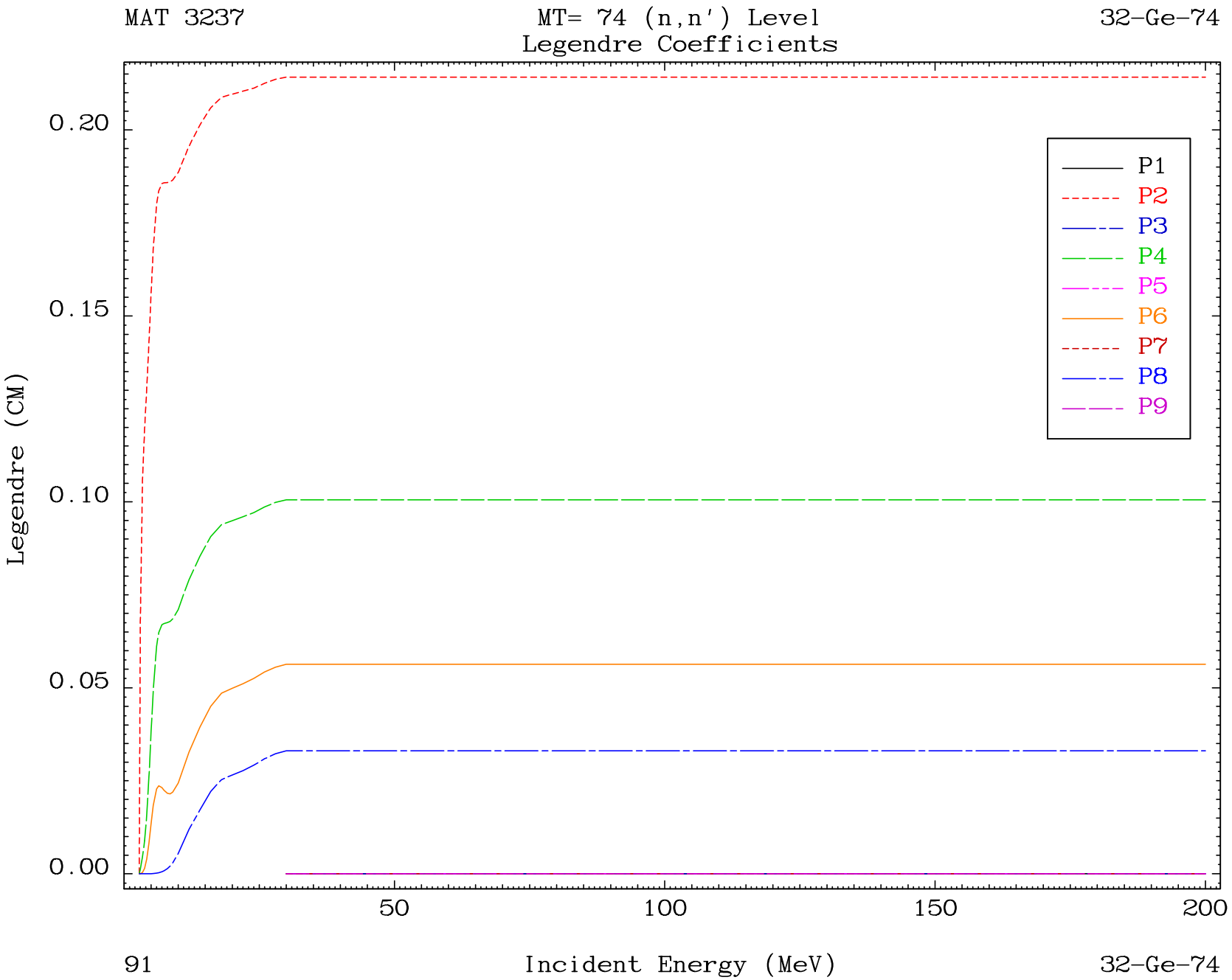

MAT 3237
MT= 72 (n,n') Level
Legendre Coefficients
32-Ge-74
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

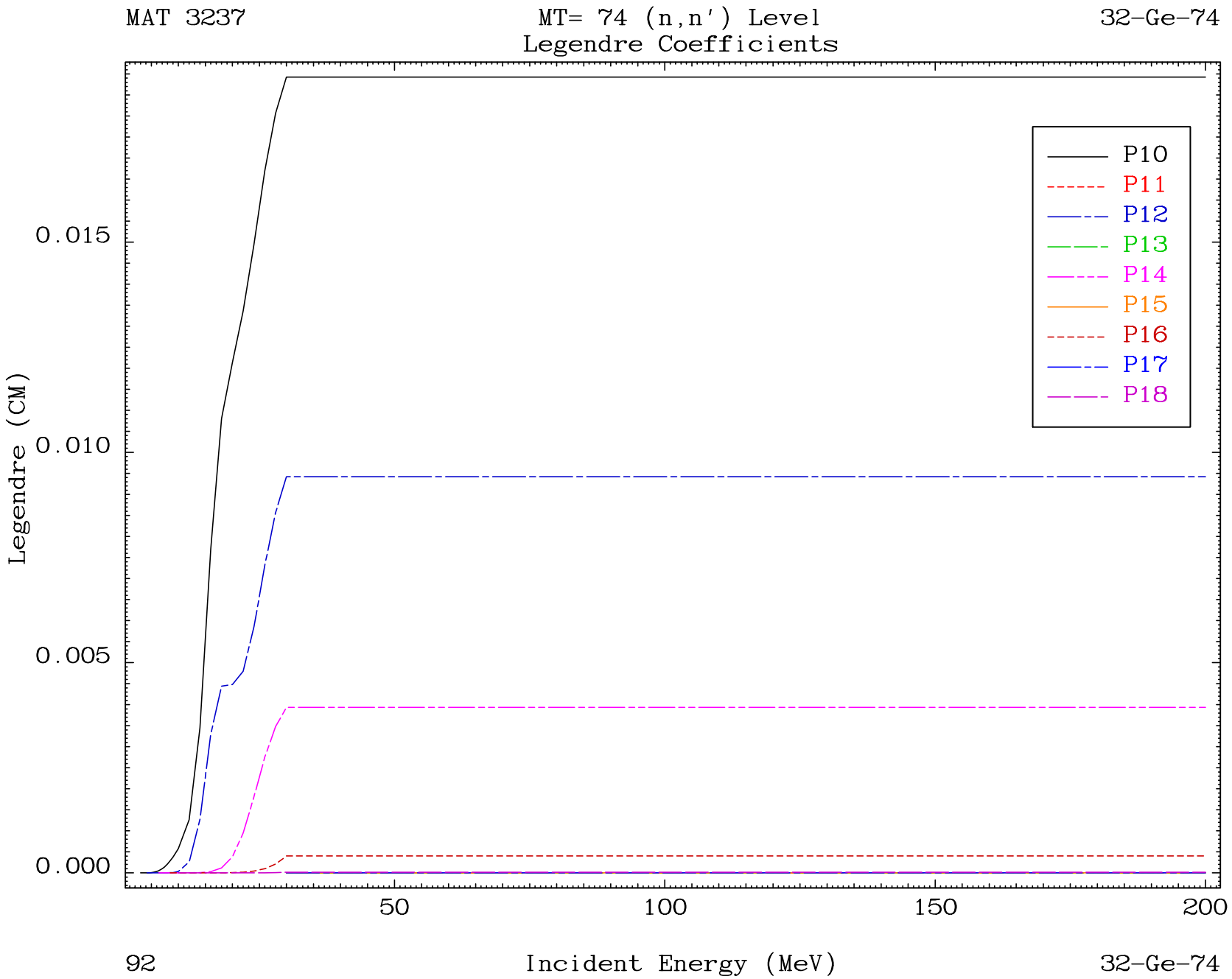

MAT 3237
MT= 72 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
87
Incident Energy (MeV)
32-Ge-74

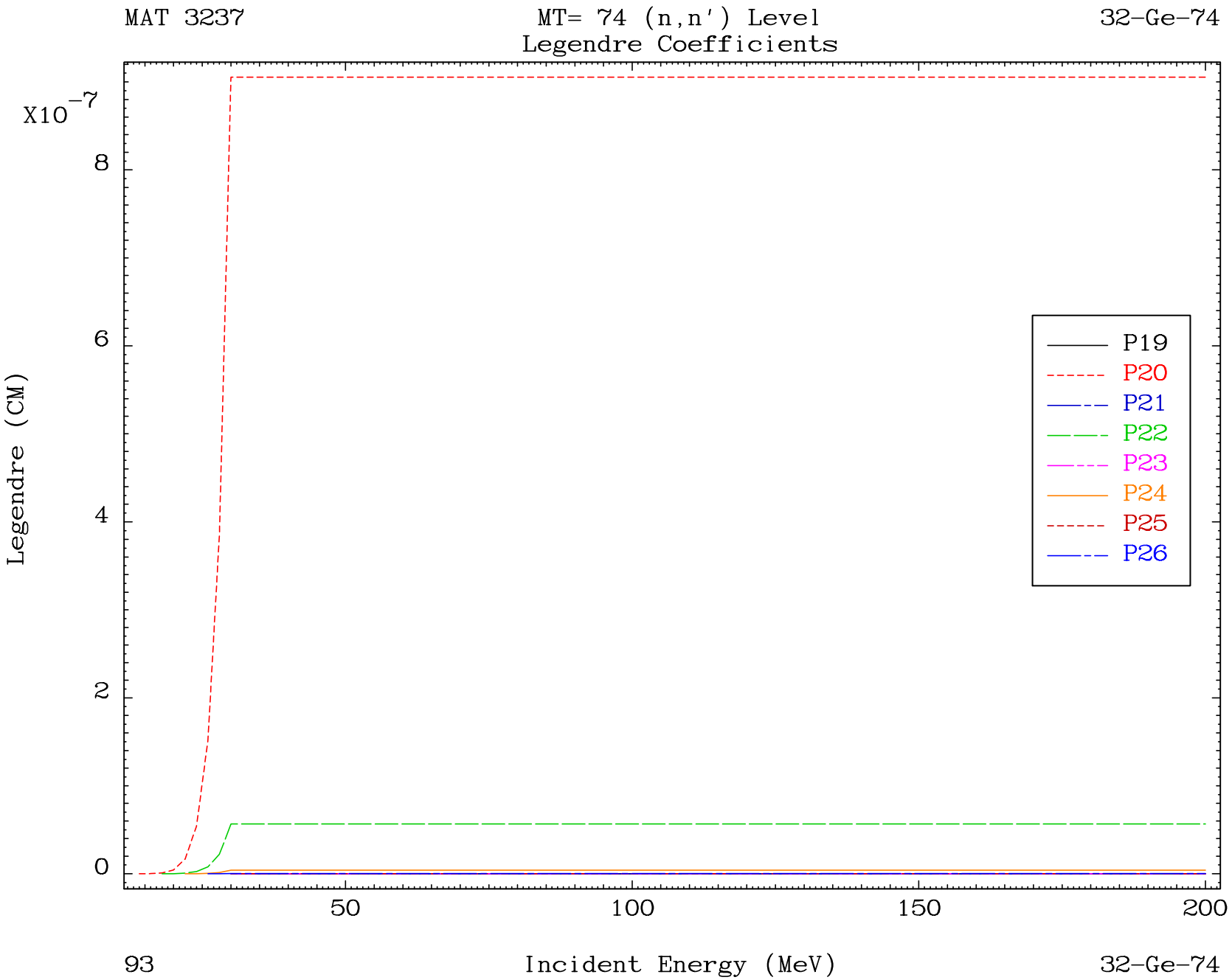

MAT 3237
MT= 73 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
88
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

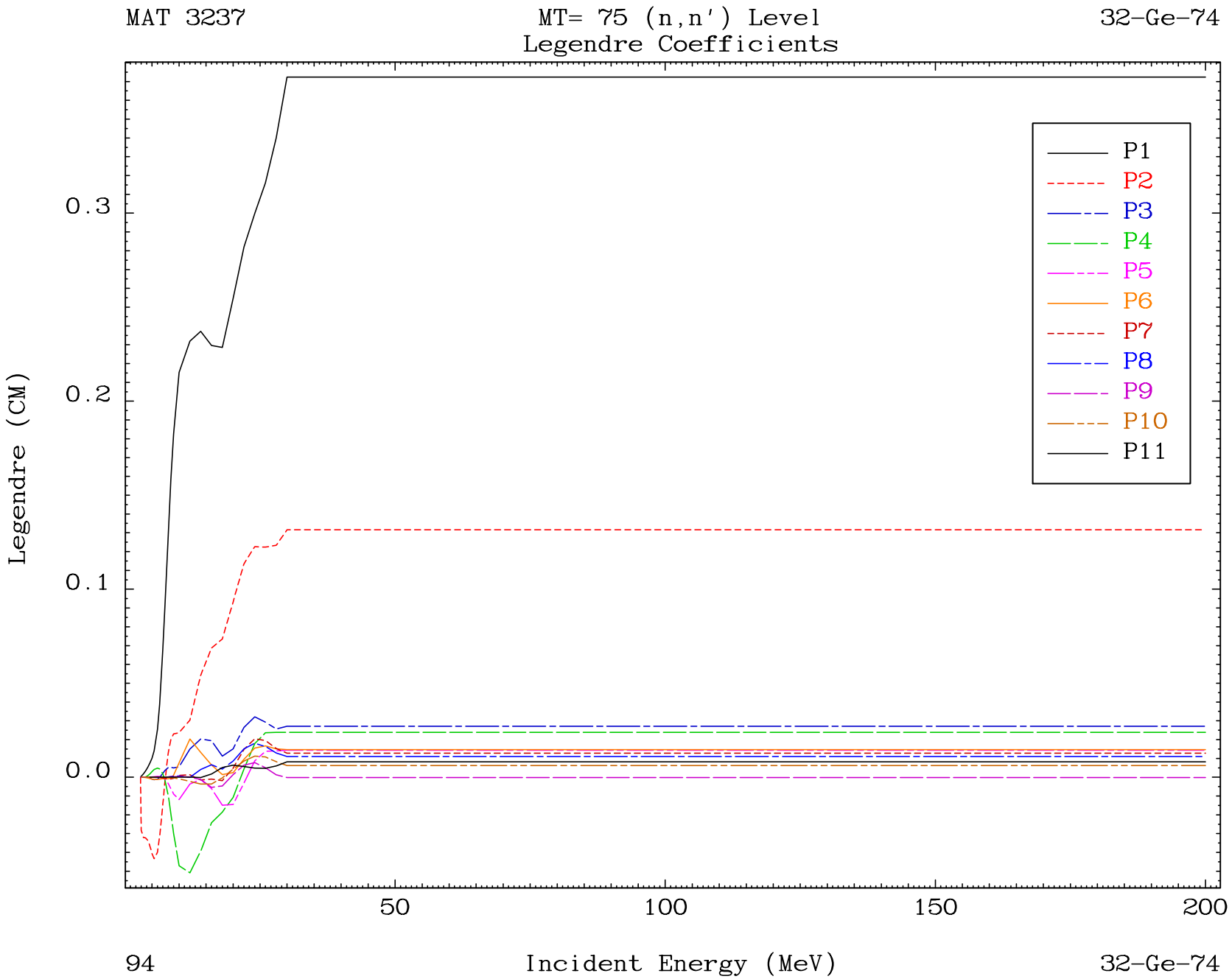

MAT 3237
MT= 73 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
89
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

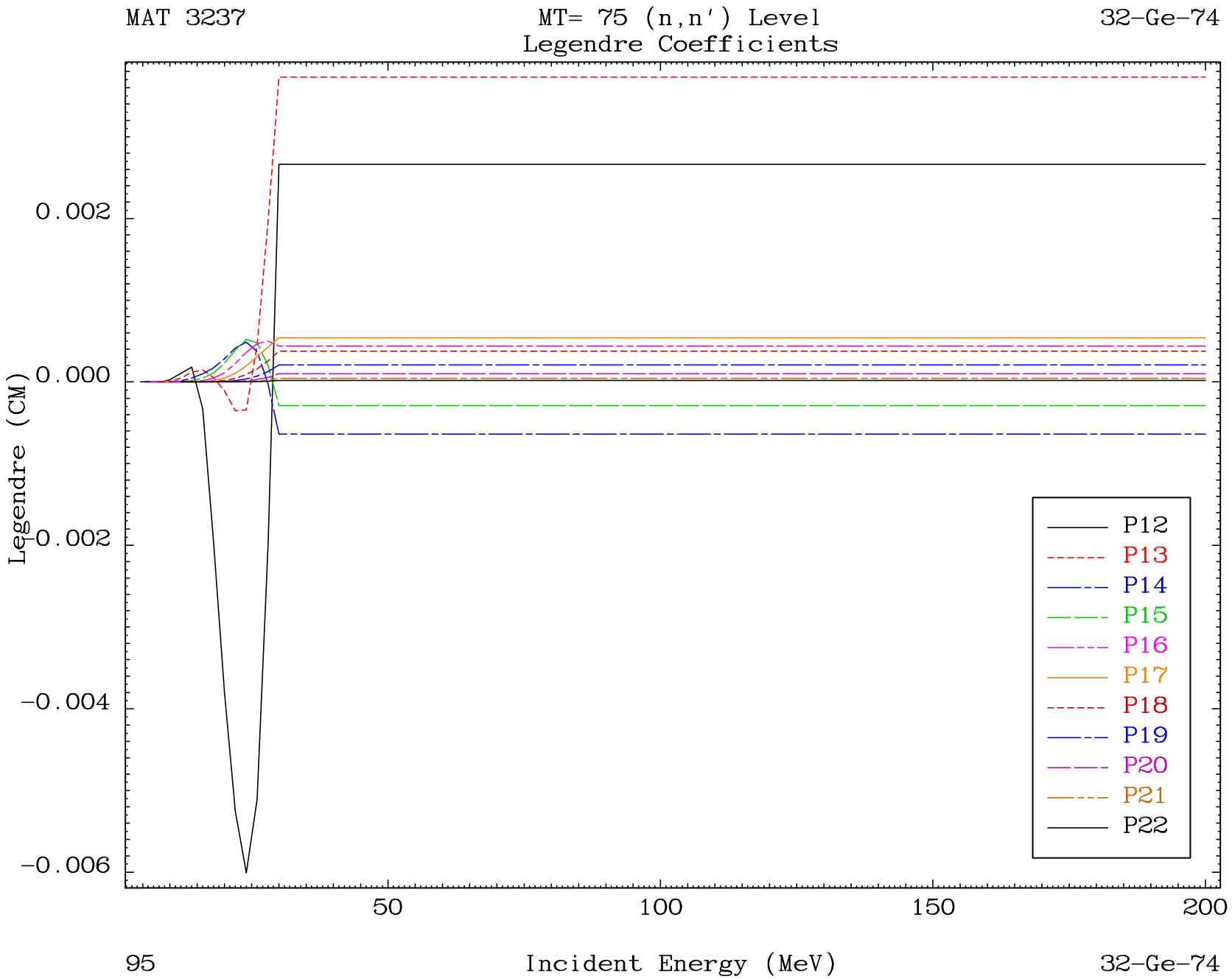

MAT 3237
MT= 73 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
6
4
2
0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
90
Incident Energy (MeV)
32-Ge-74

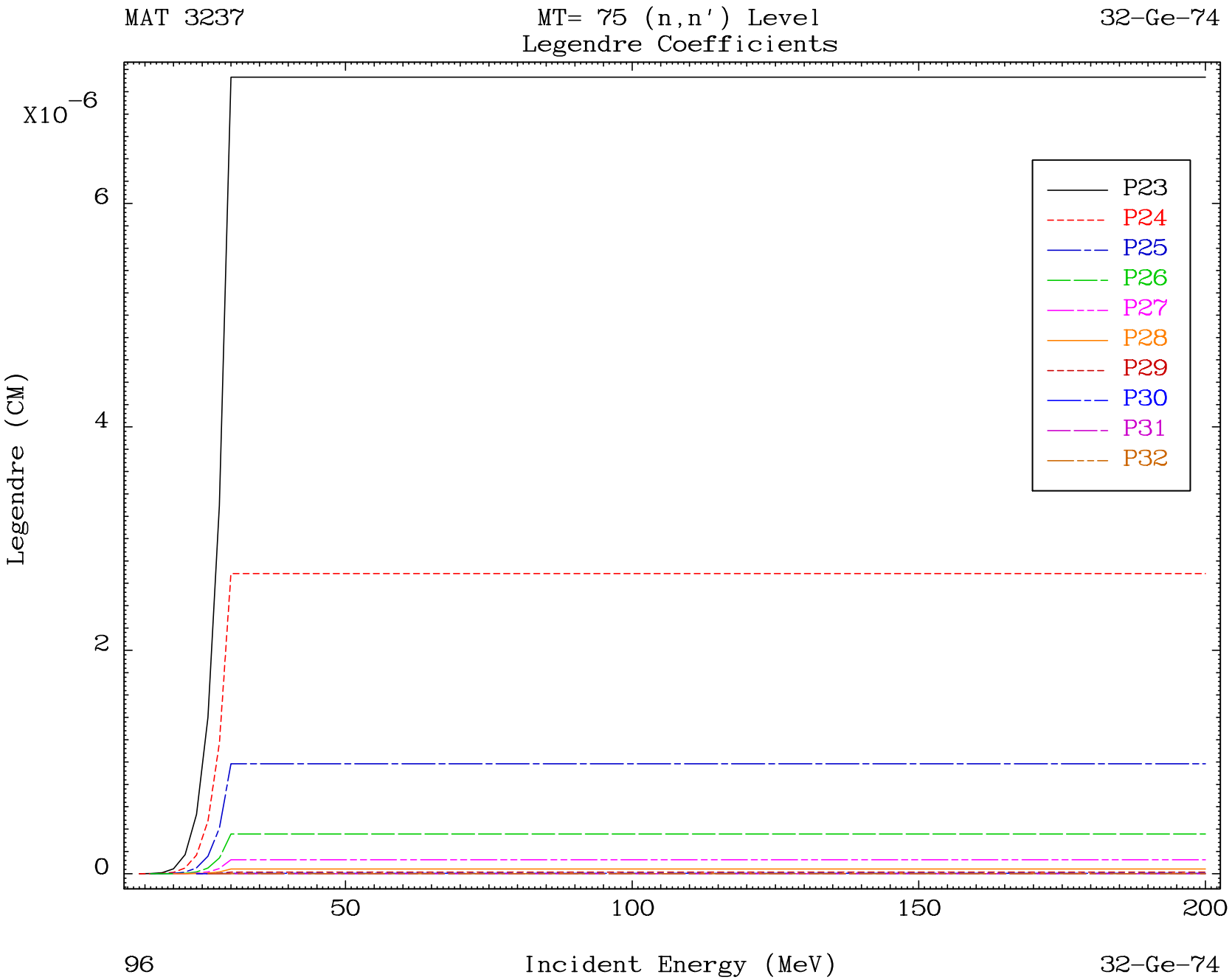

MAT 3237
MT= 74 (n,n') Level
Legendre Coefficients
32-Ge-74
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
91
Incident Energy (MeV)
32-Ge-74

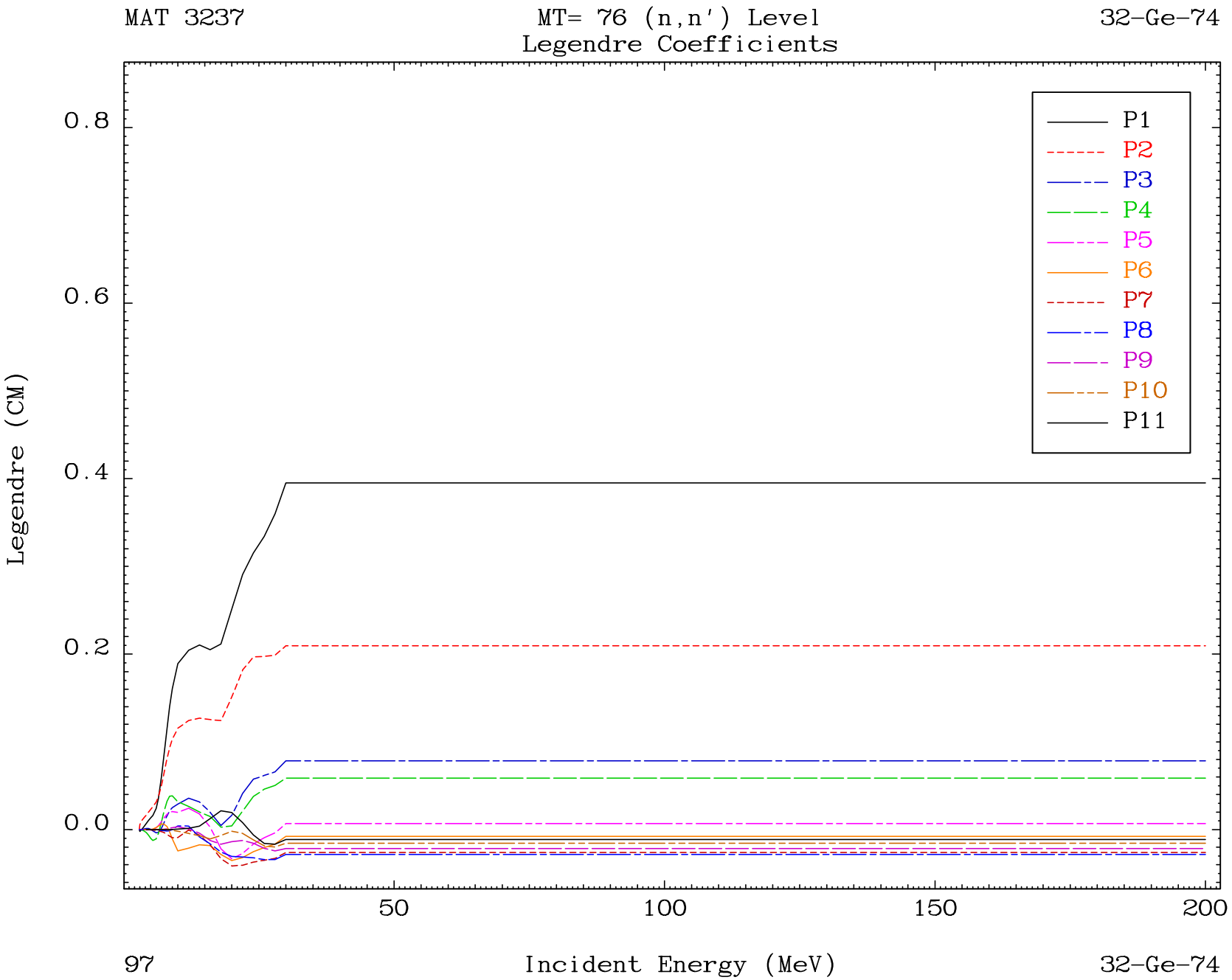

MAT 3237
MT= 74 (n,n') Level
Legendre Coefficients
32-Ge-74
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
92
Incident Energy (MeV)
32-Ge-74

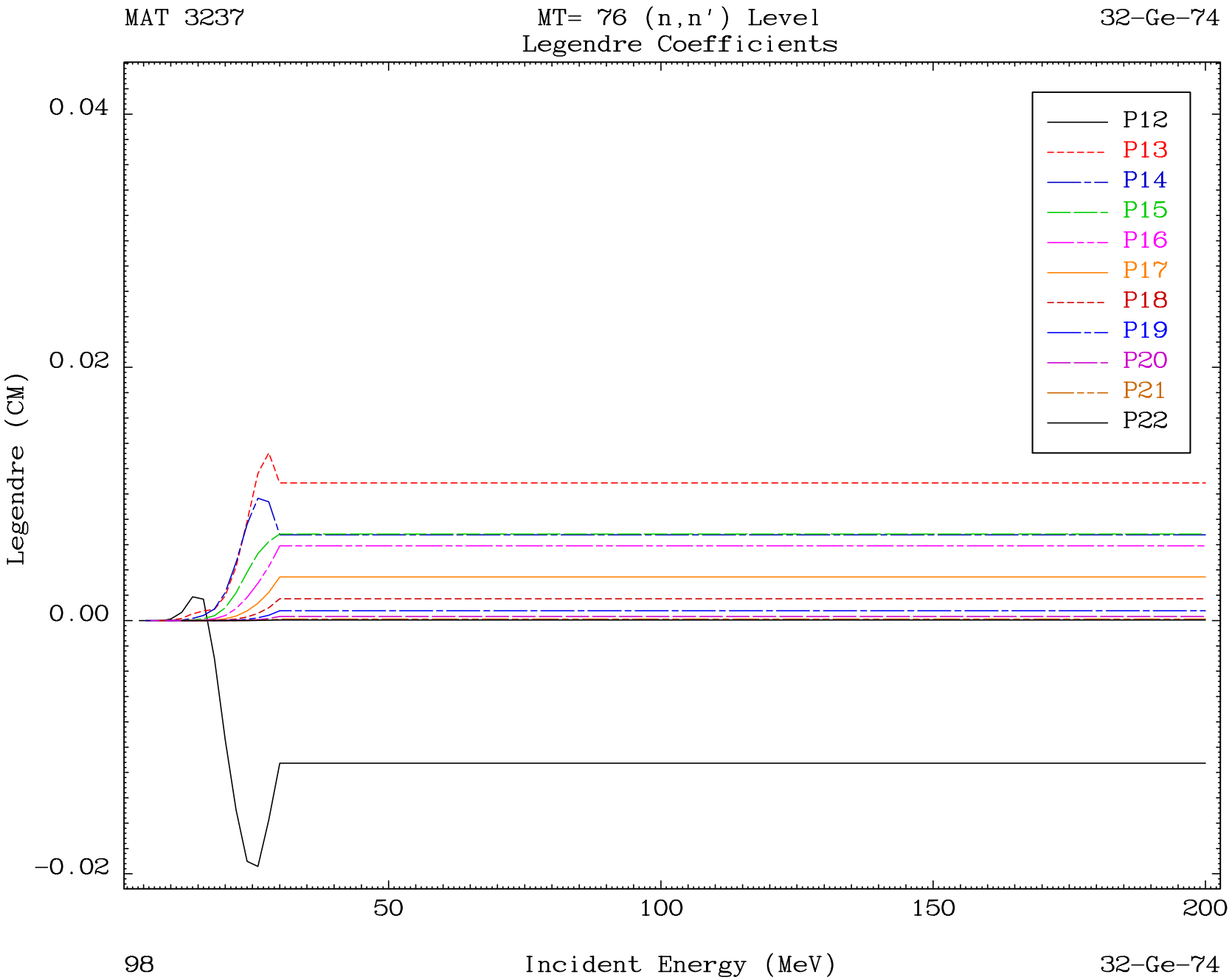

MAT 3237
MT= 74 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-7
8
6
4
2
0
Legendre (CM)
50
100
150
200
93
Incident Energy (MeV)
32-Ge-74
P19
P20
P21
P22
P23
P24
P25
P26

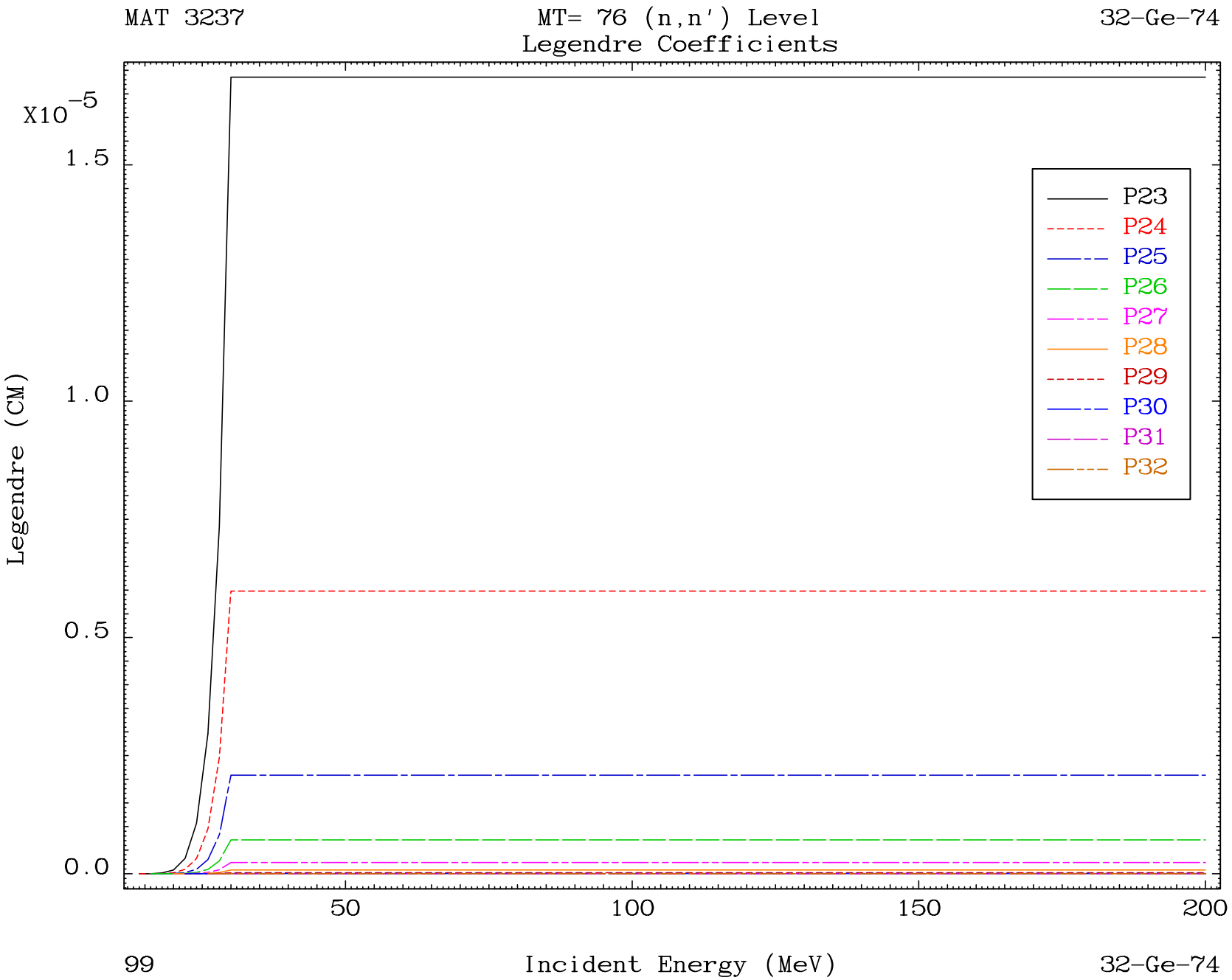

MAT 3237
MT= 75 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
94
Incident Energy (MeV)
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

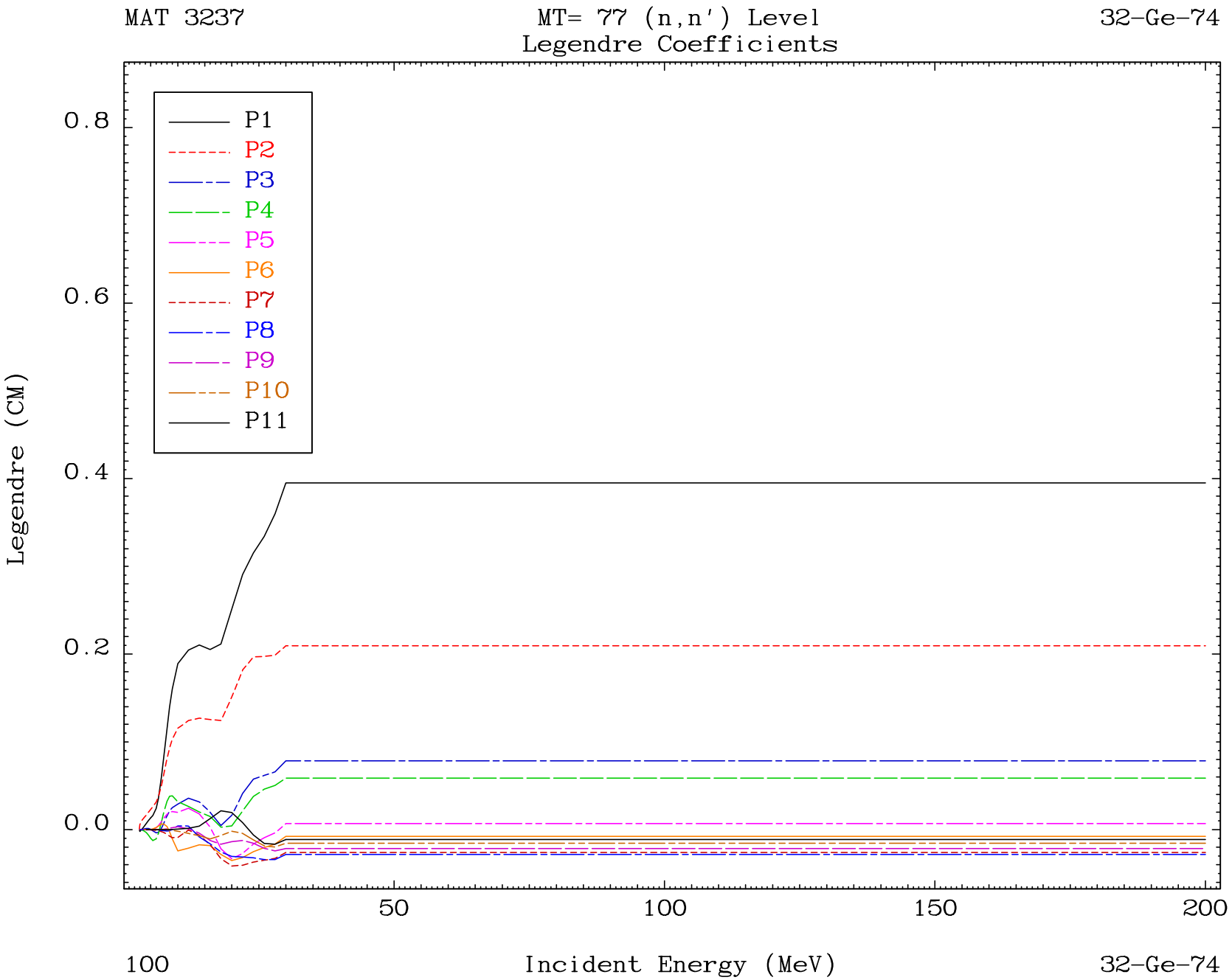

MAT 3237
MT= 75 (n,n') Level
Legendre Coefficients
32-Ge-74
0.002
0.000
-0.002
-0.004
-0.006
Legendre (CM)
50
100
150
200
95
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

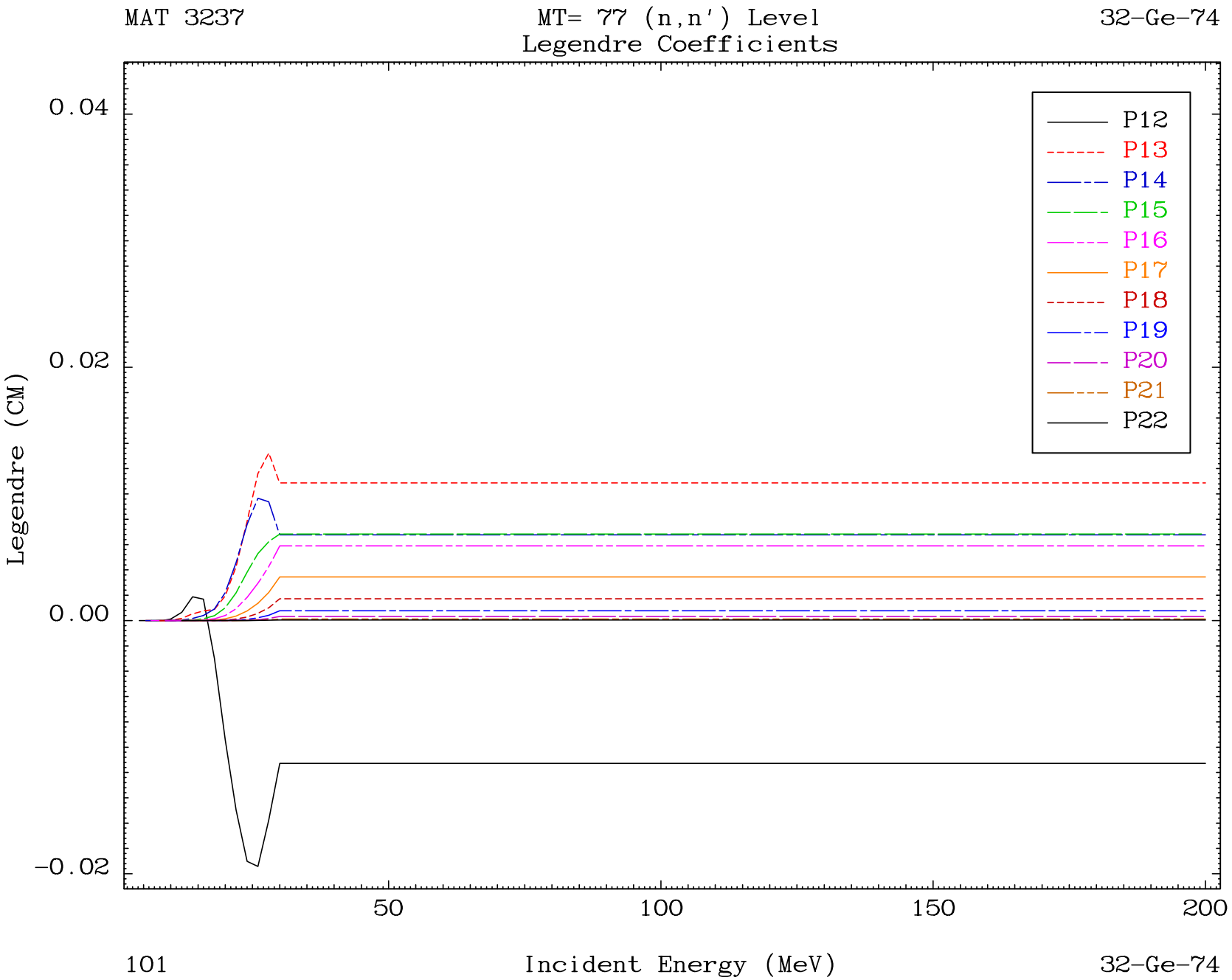

MAT 3237
MT= 75 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-6
6
4
2
0
Legendre (CM)
50
100
150
200
96
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

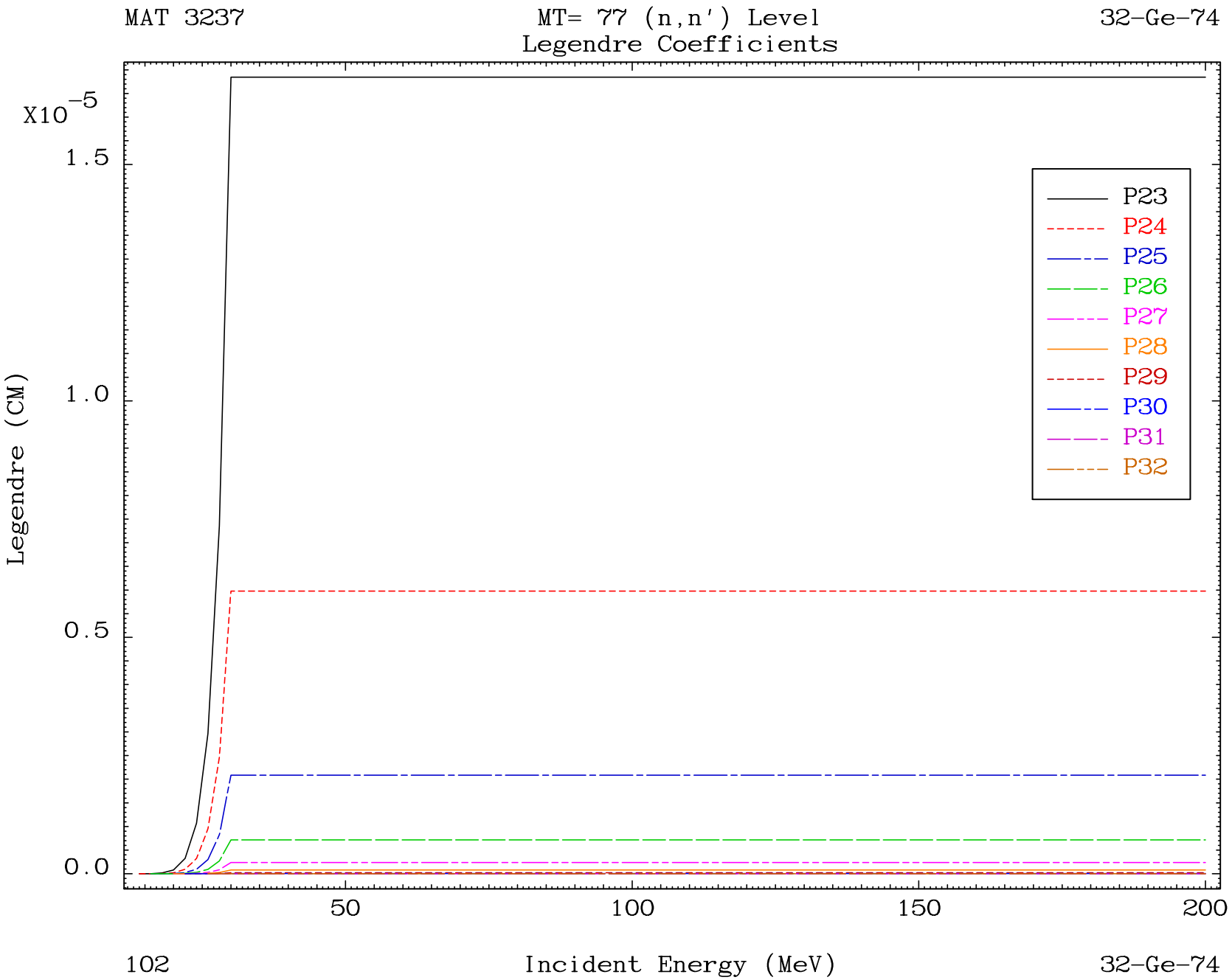

MAT 3237
MT= 76 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
97
Incident Energy (MeV)
32-Ge-74

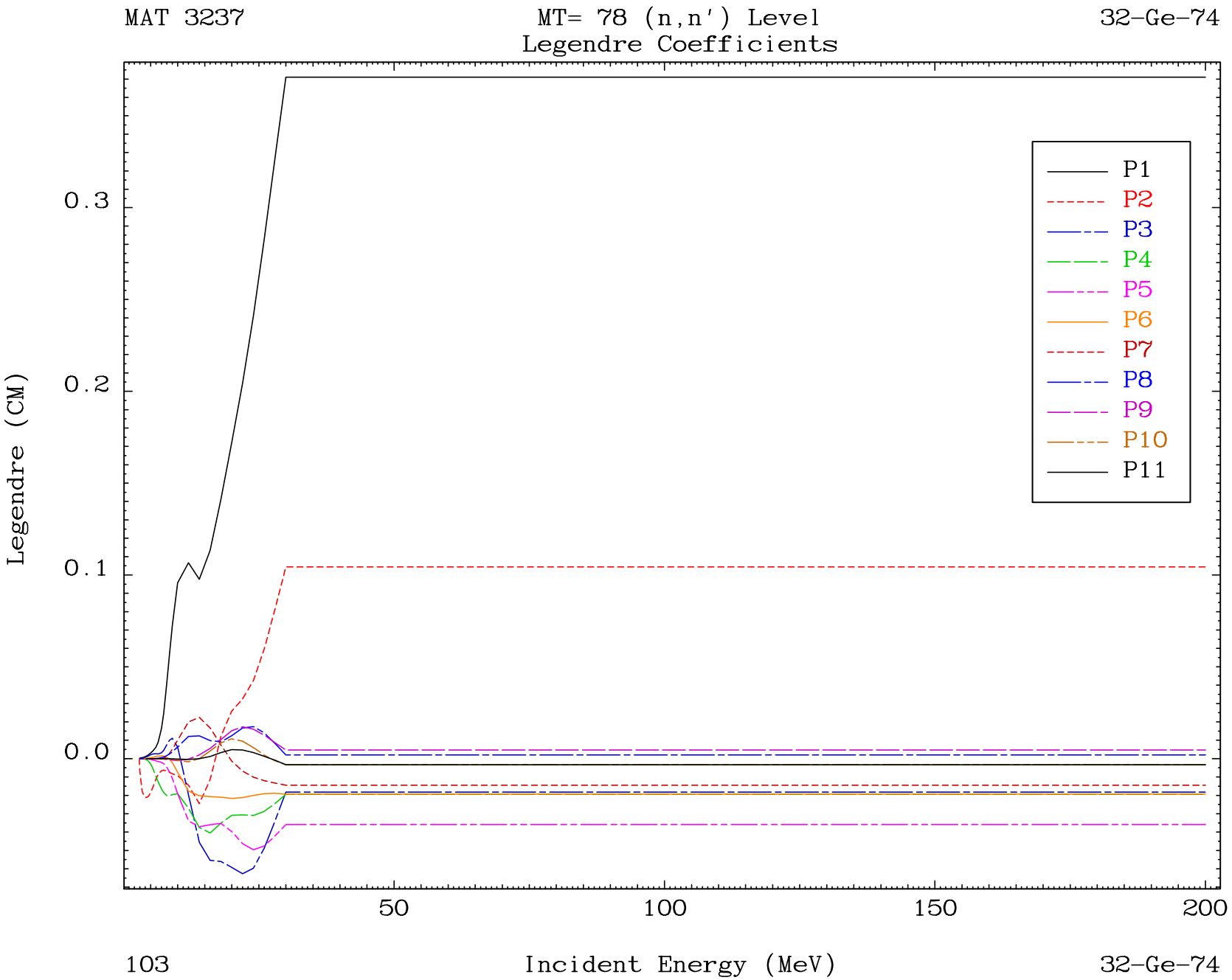

MAT 3237
MT= 76 (n,n') Level
Legendre Coefficients
32-Ge-74
0.04
0.02
0.00
-0.02
Legendre (CM)
50
100
150
200
98
Incident Energy (MeV)
32-Ge-74
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22

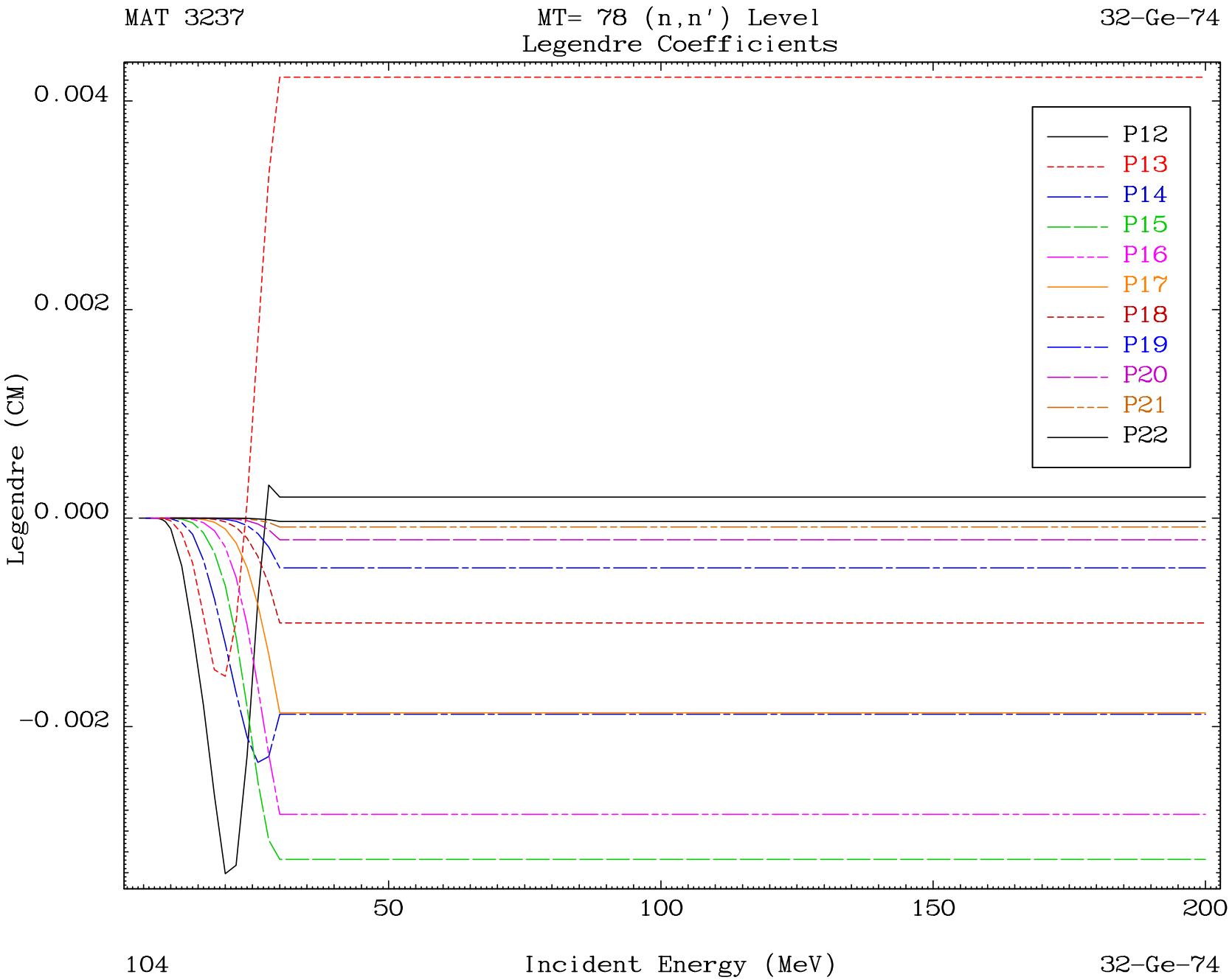

MAT 3237
MT= 76 (n,n') Level
Legendre Coefficients
32-Ge-74
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
99
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

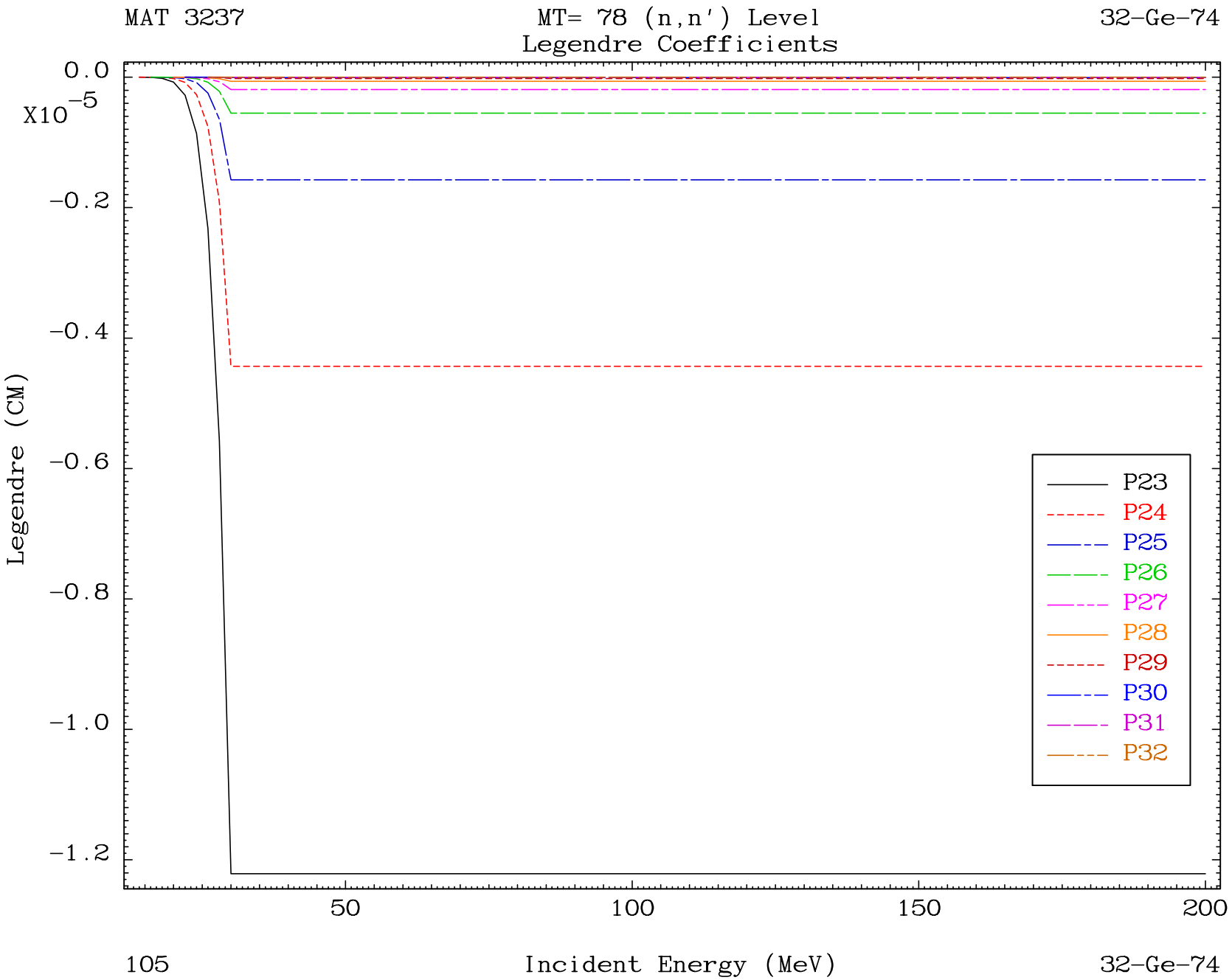

MAT 3237
MT= 77 (n,n') Level
Legendre Coefficients
32-Ge-74
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
100
Incident Energy (MeV)
32-Ge-74

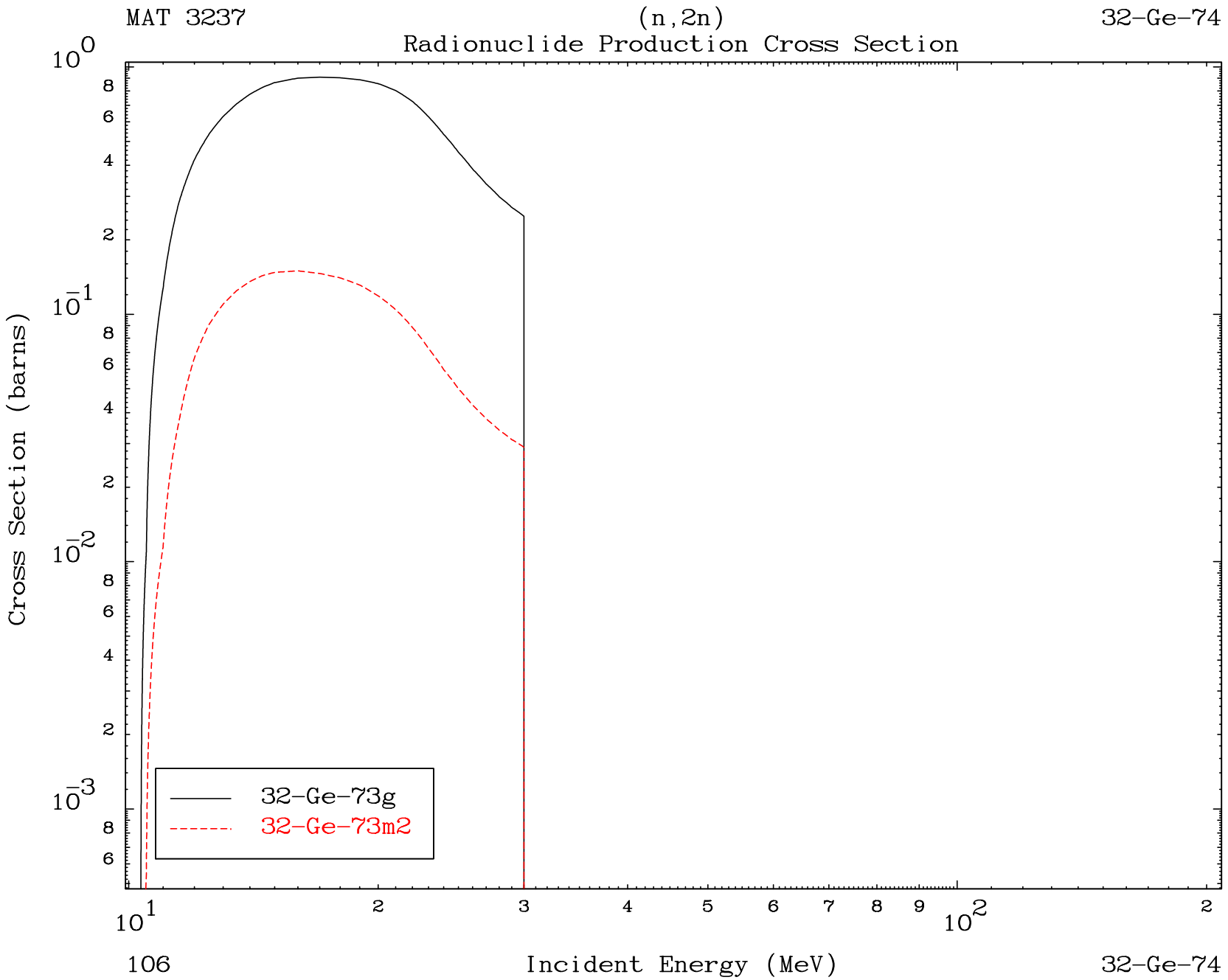

MAT 3237
MT= 77 (n,n') Level
Legendre Coefficients
32-Ge-74
0.04
0.02
0.00
-0.02
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
101
Incident Energy (MeV)
32-Ge-74

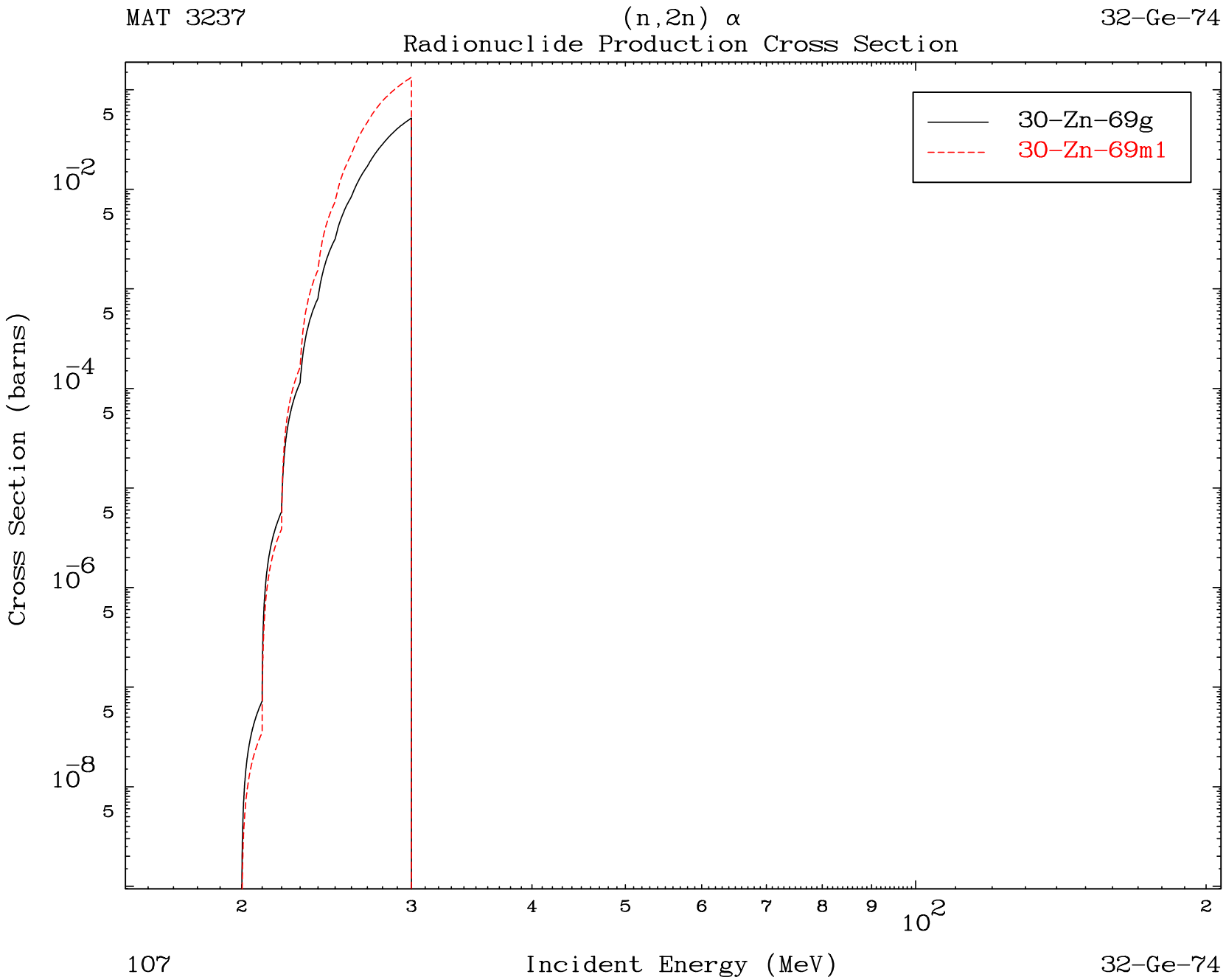

MAT 3237
MT= 77 (n,n') Level
Legendre Coefficients
32-Ge-74
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
102
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

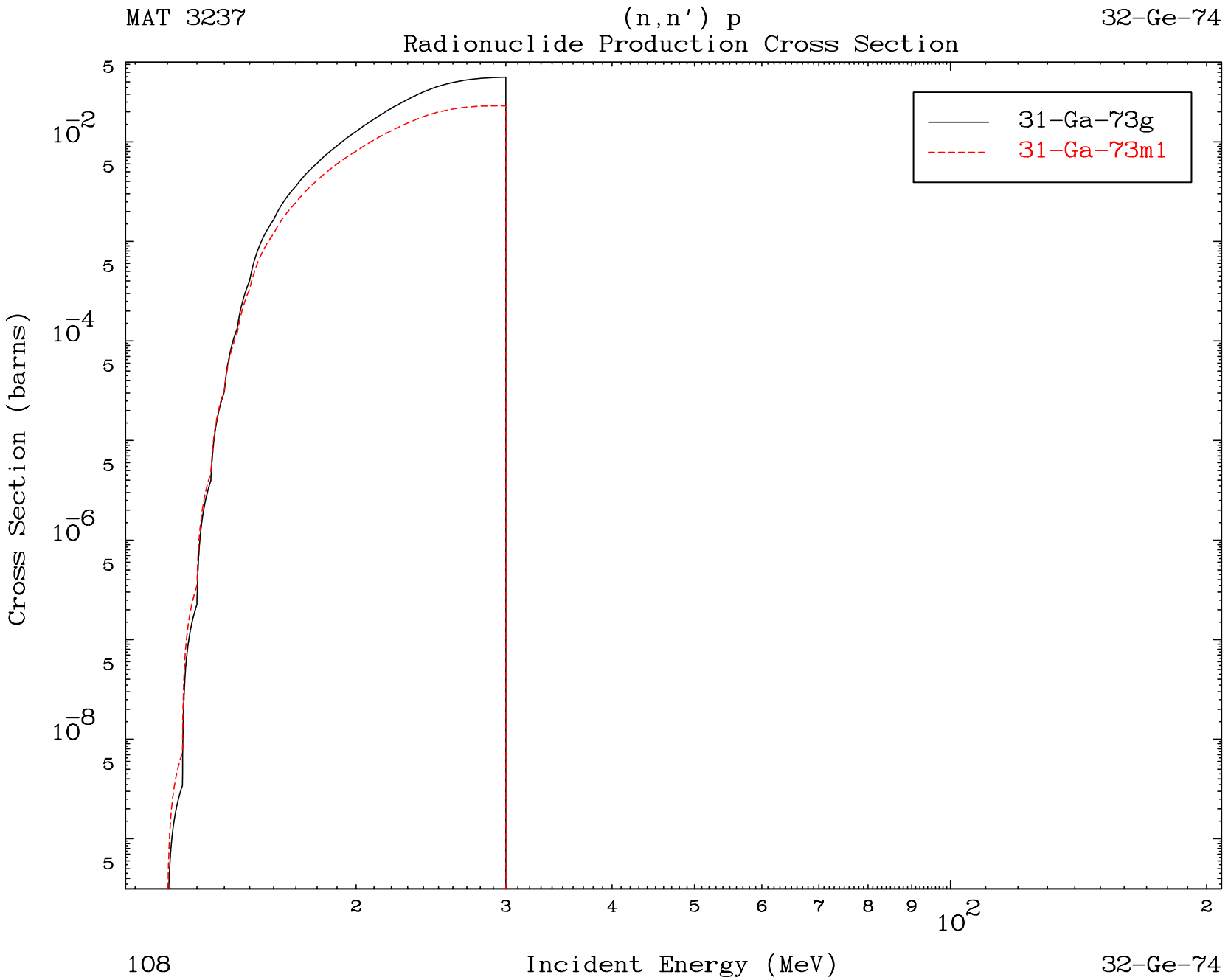

MAT 3237
MT= 78 (n,n') Level
Legendre Coefficients
32-Ge-74
Legendre (CM)
0.3
0.2
0.1
0.0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
103
Incident Energy (MeV)
32-Ge-74

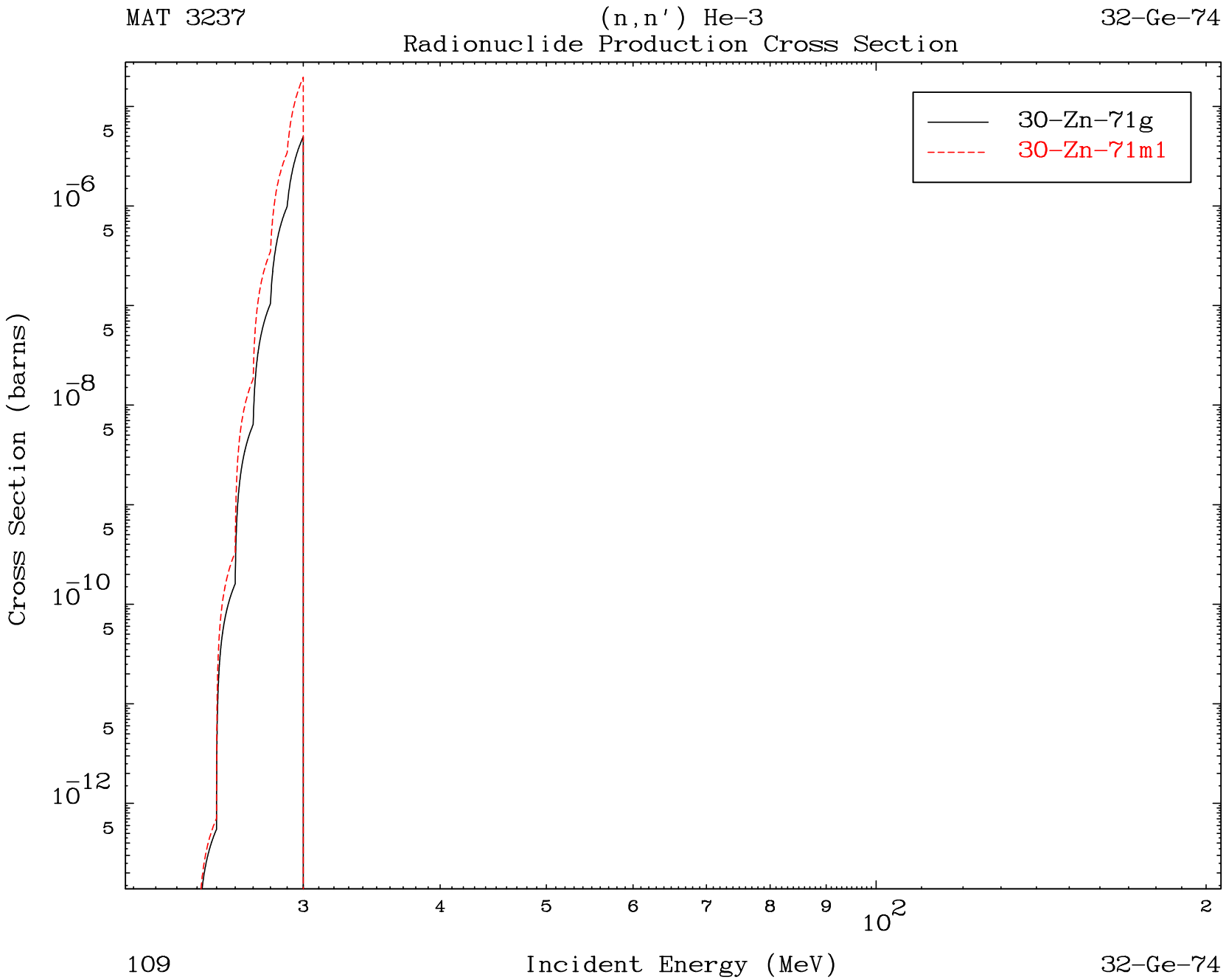

MAT 3237
MT= 78 (n,n') Level
Legendre Coefficients
32-Ge-74
0.004
0.002
0.000
-0.002
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
104
Incident Energy (MeV)
32-Ge-74

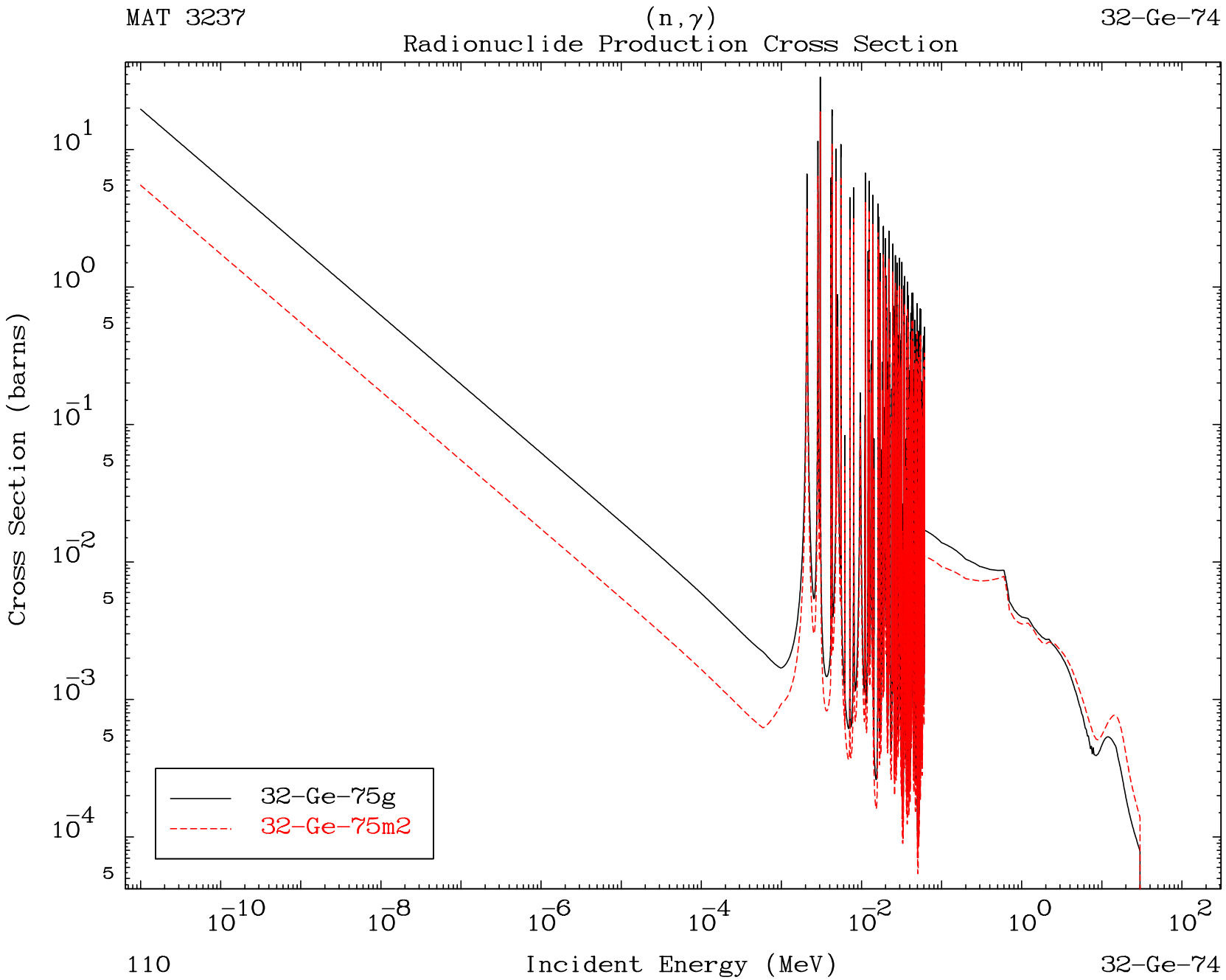

MAT 3237
MT= 78 (n,n') Level
Legendre Coefficients
32-Ge-74
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
105
Incident Energy (MeV)
32-Ge-74
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

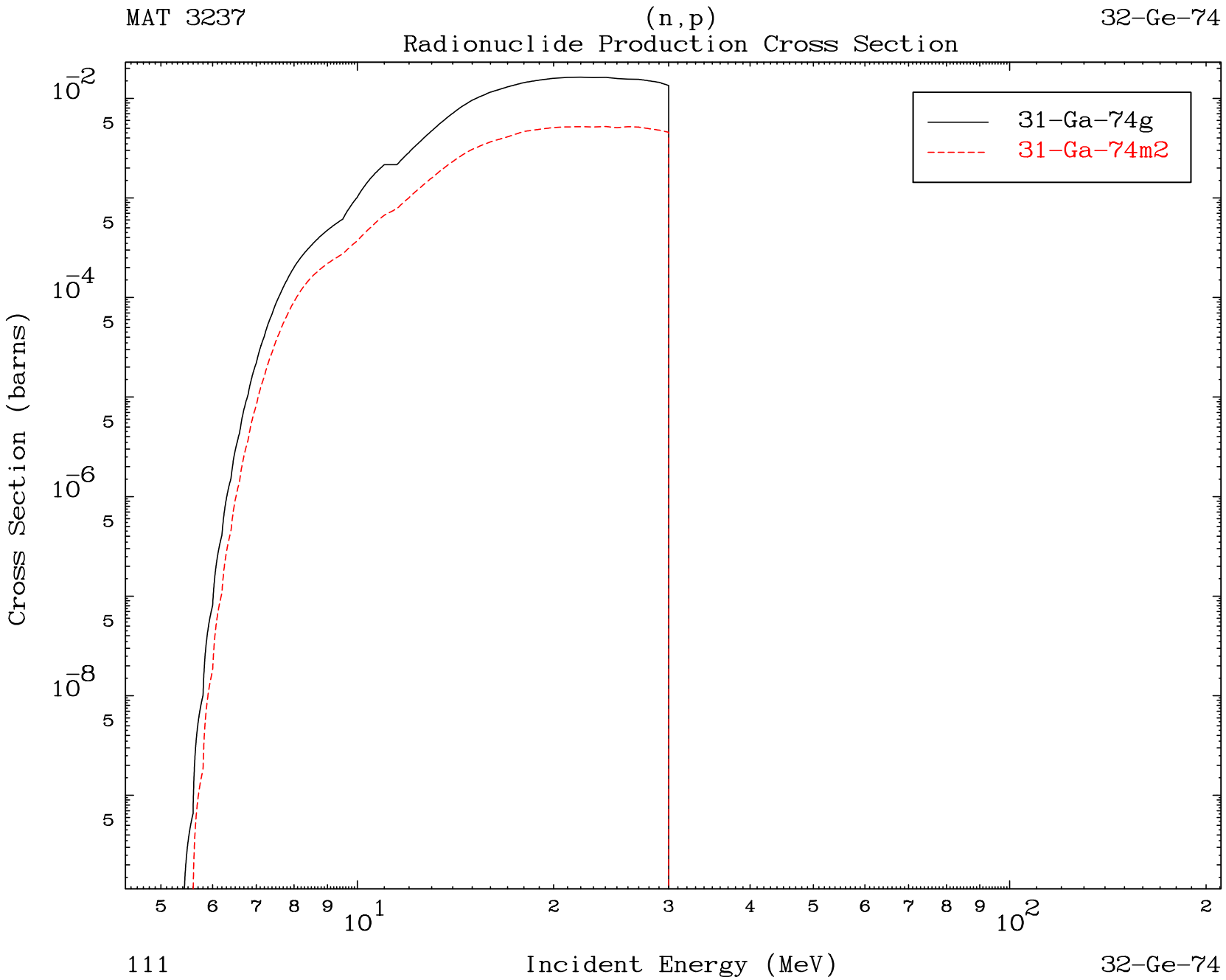

MAT 3237
(n,2n)
32-Ge-74
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
32-Ge-73g
32-Ge-73m2
106
32-Ge-74

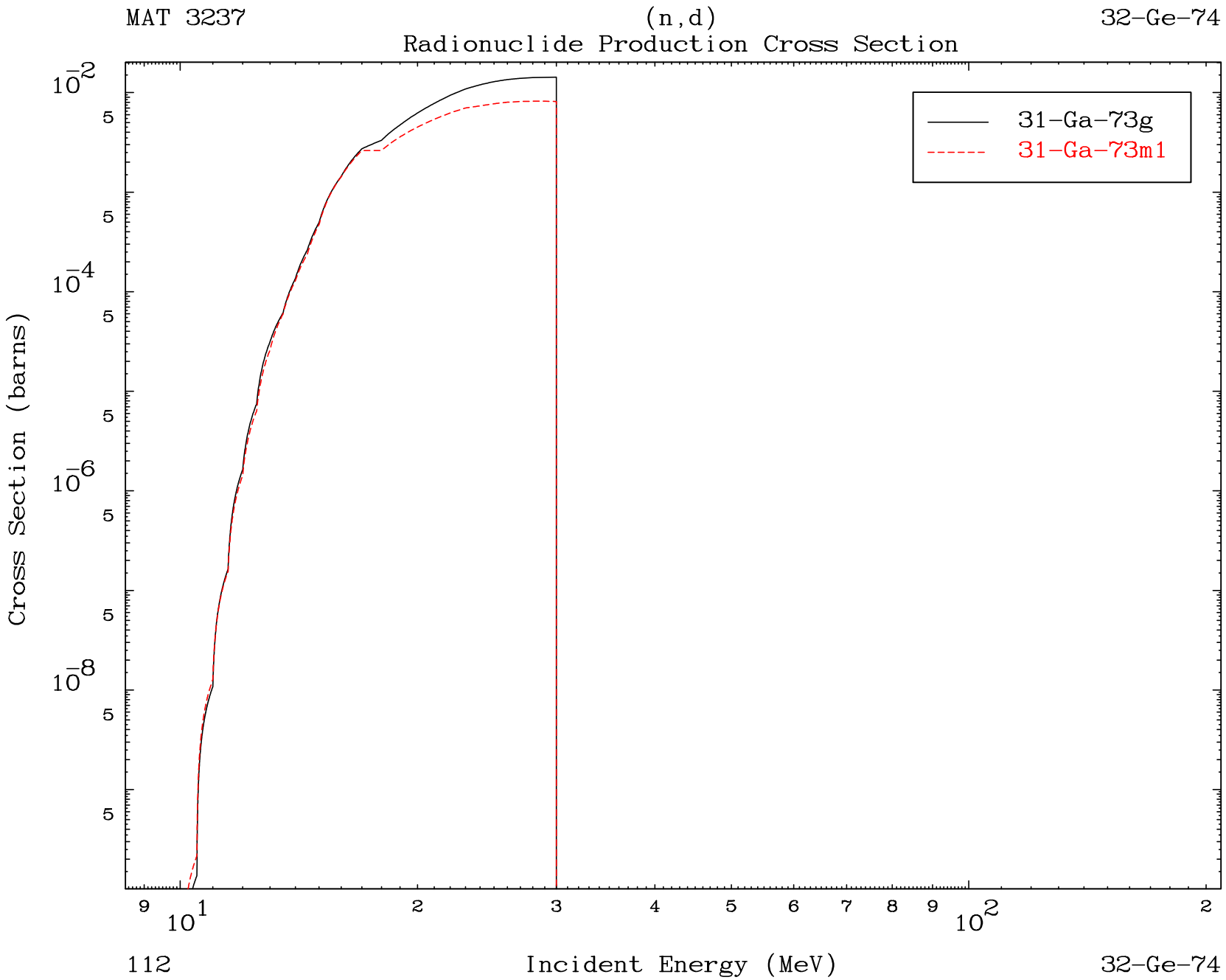

MAT 3237
(n,2n) α
32-Ge-74
Radionuclide Production Cross Section
30-Zn-69g
30-Zn-69m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
102
107
Incident Energy (MeV)
32-Ge-74

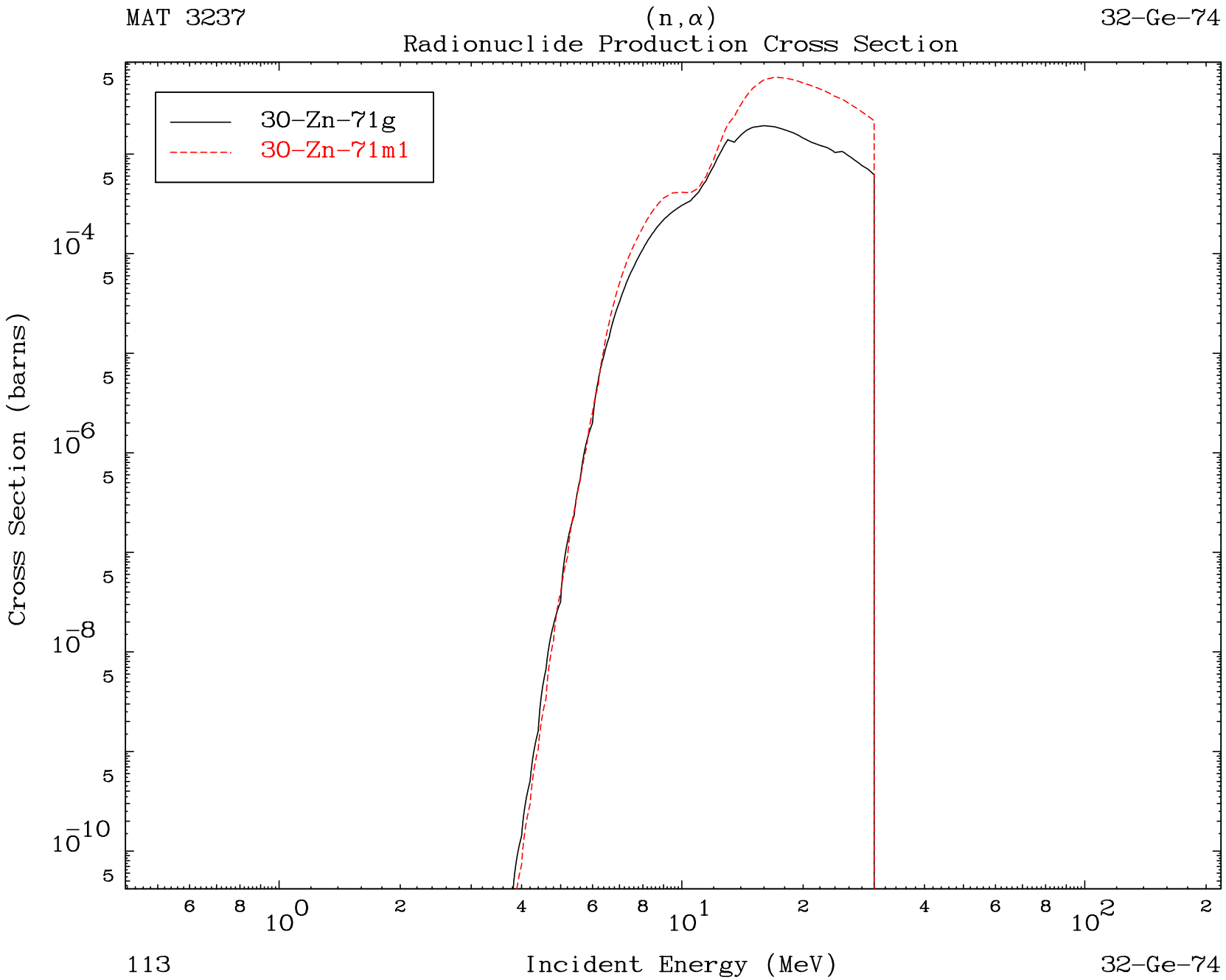

MAT 3237
(n,n') p
32-Ge-74
Radionuclide Production Cross Section
31-Ga-73g
31-Ga-73m1
Cross Section (barns)
Incident Energy (MeV)
108
32-Ge-74

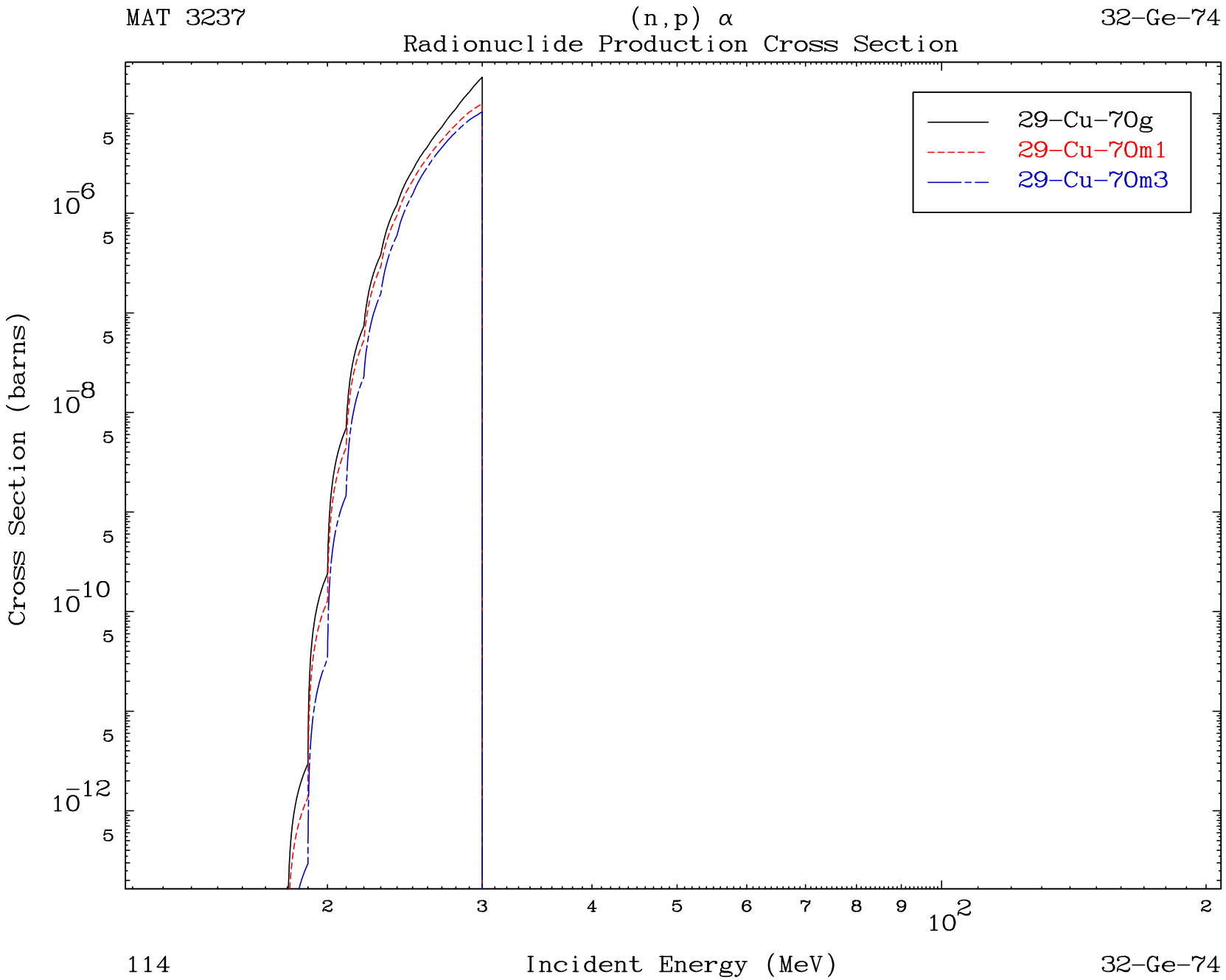

MAT 3237
(n,n') He-3
32-Ge-74
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
109
Incident Energy (MeV)
32-Ge-74

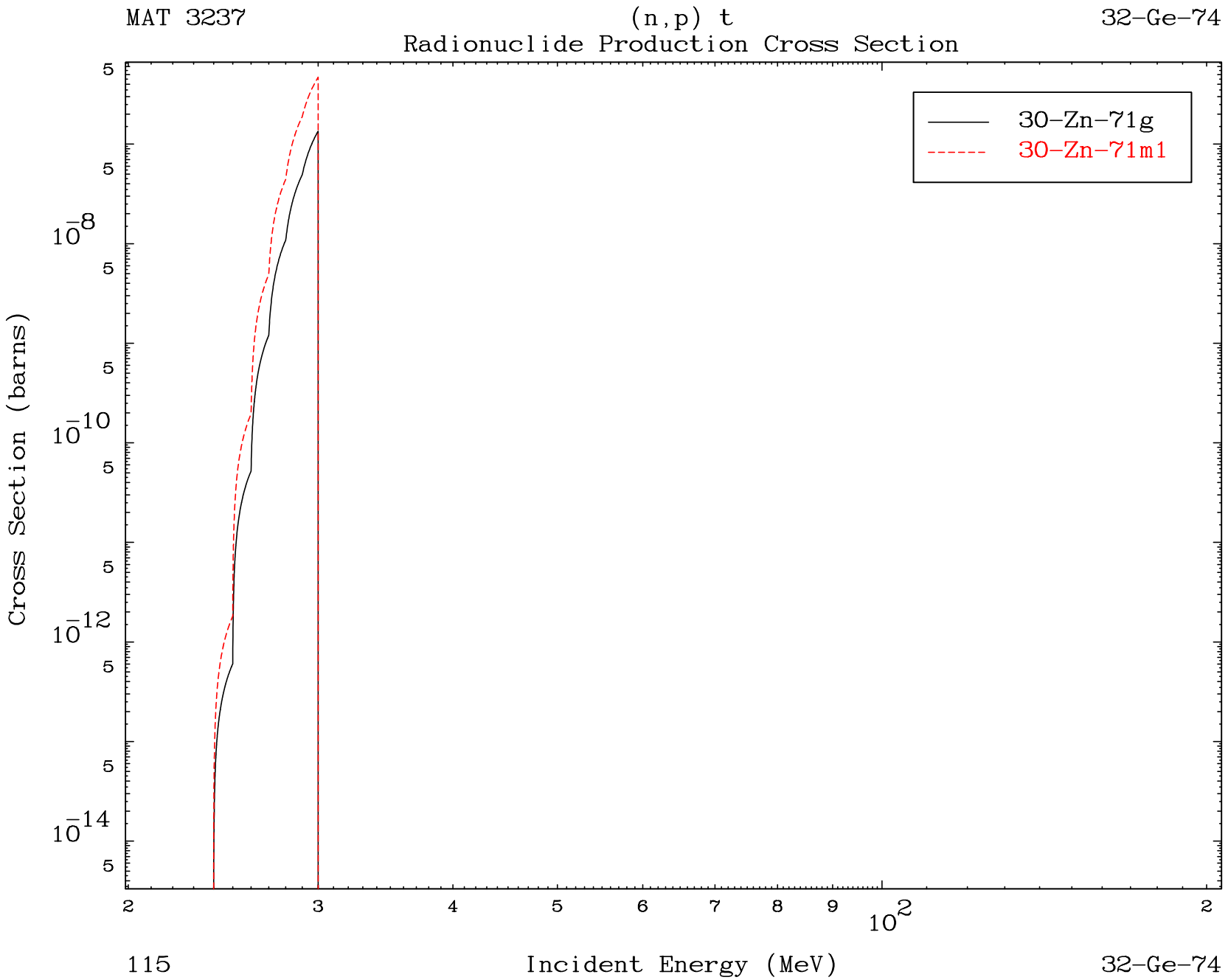

MAT 3237
(n,γ)
32-Ge-74
Radionuclide Production Cross Section
Cross Section (barns)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
32-Ge-75g
32-Ge-75m2
110
32-Ge-74


MAT 3237
(n,p)
32-Ge-74
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
Incident Energy (MeV)
111
32-Ge-74


MAT 3237
(n,d)
32-Ge-74
Radionuclide Production Cross Section
31-Ga-73g
31-Ga-73m1
Cross Section (barns)
Incident Energy (MeV)
112
32-Ge-74


MAT 3237
(n,α)
32-Ge-74
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
Incident Energy (MeV)
113
32-Ge-74


MAT 3237
(n,p) α
32-Ge-74
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
114
Incident Energy (MeV)
32-Ge-74


MAT 3237
(n,p) t
32-Ge-74
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
Incident Energy (MeV)
115
32-Ge-74