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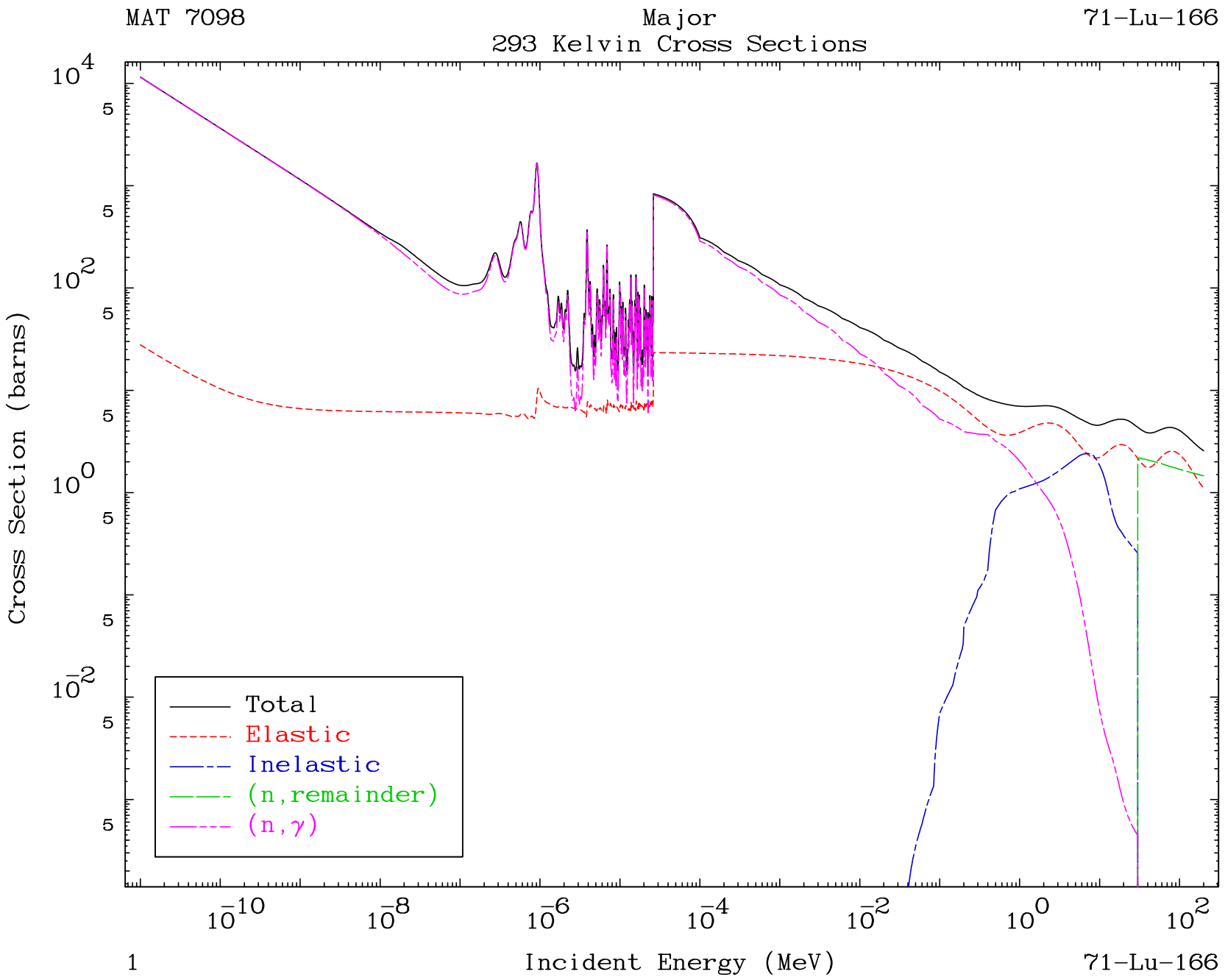
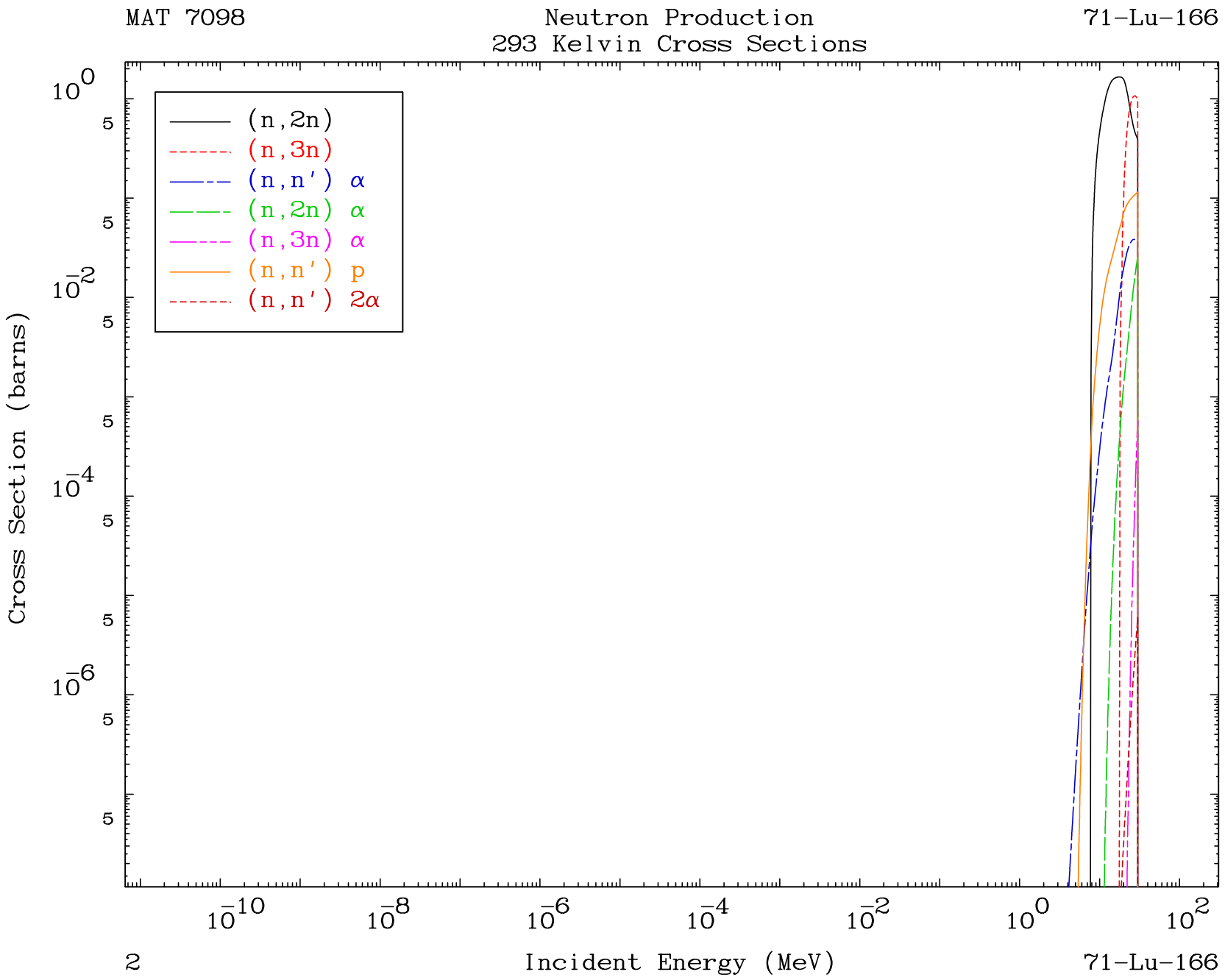
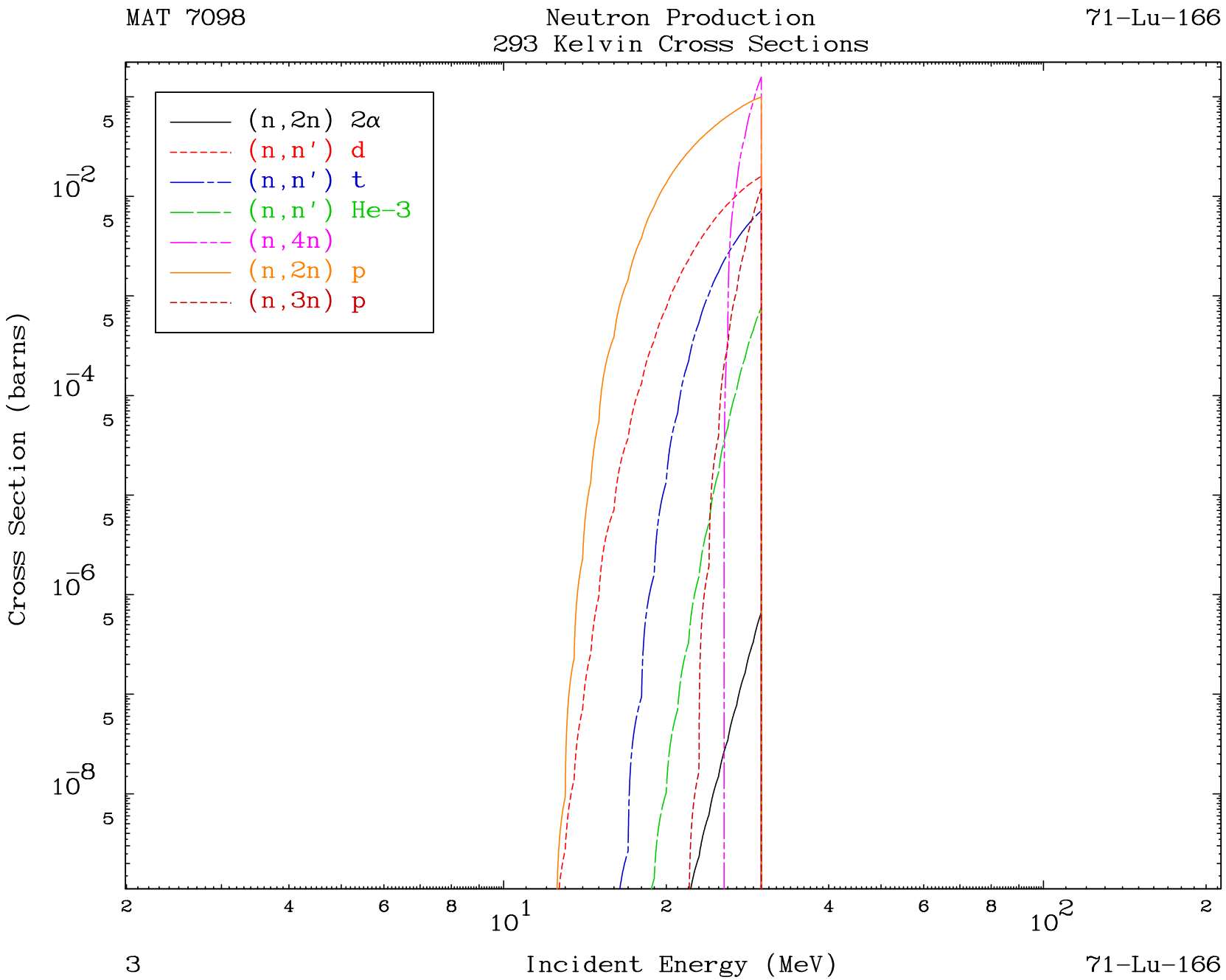
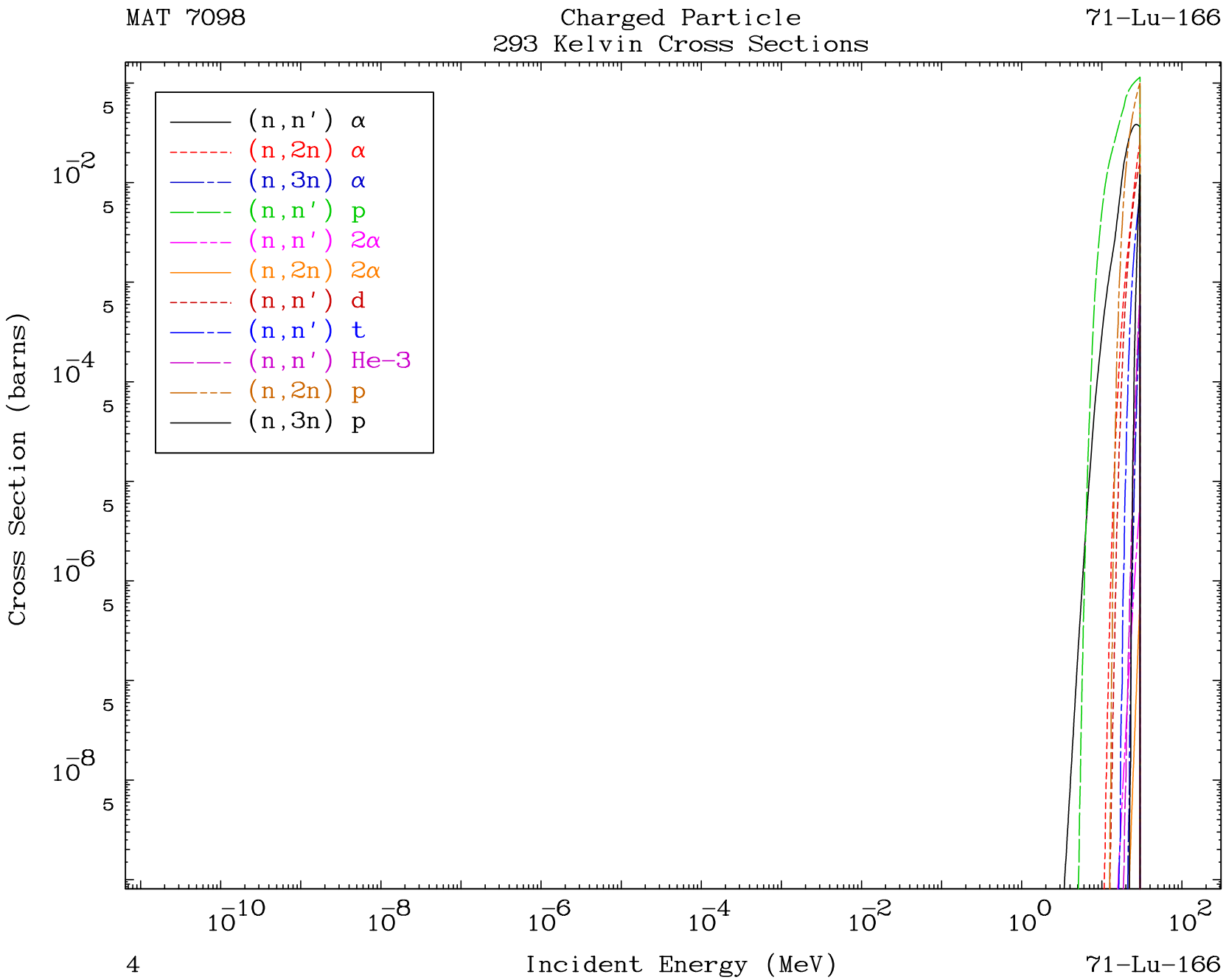
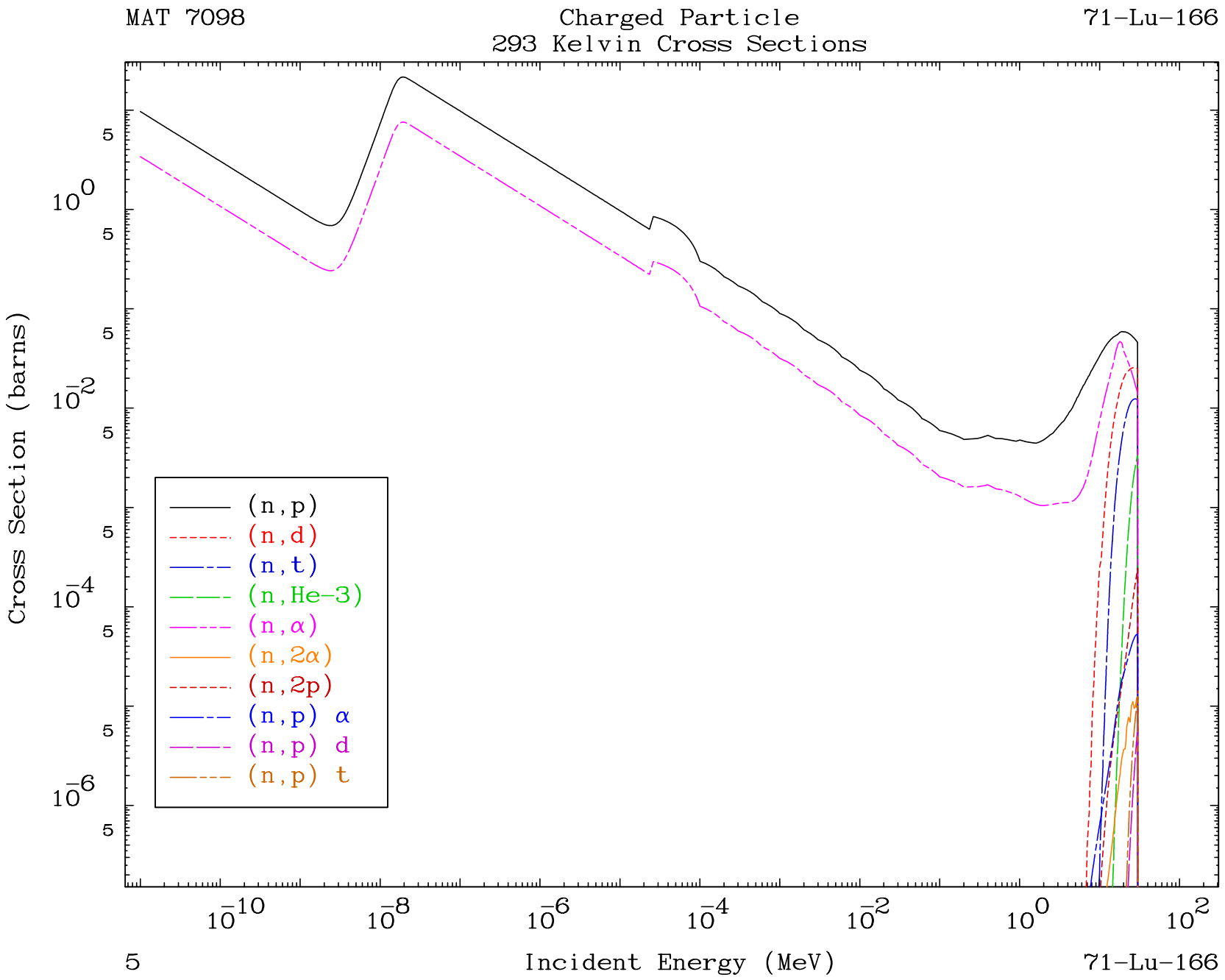
Press Mouse Button to Start

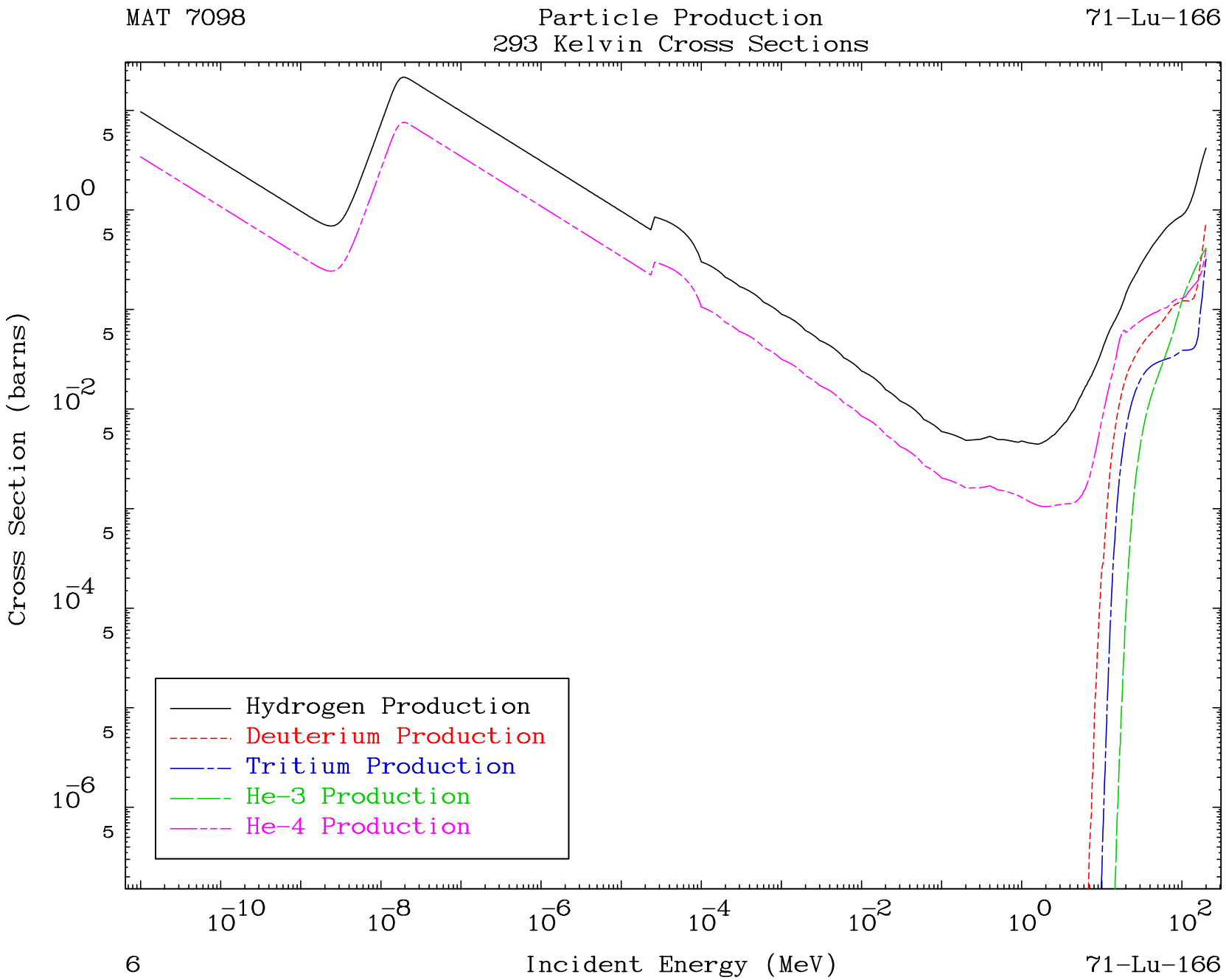

MAT 7098
Major
71-Lu-166
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
71-Lu-166

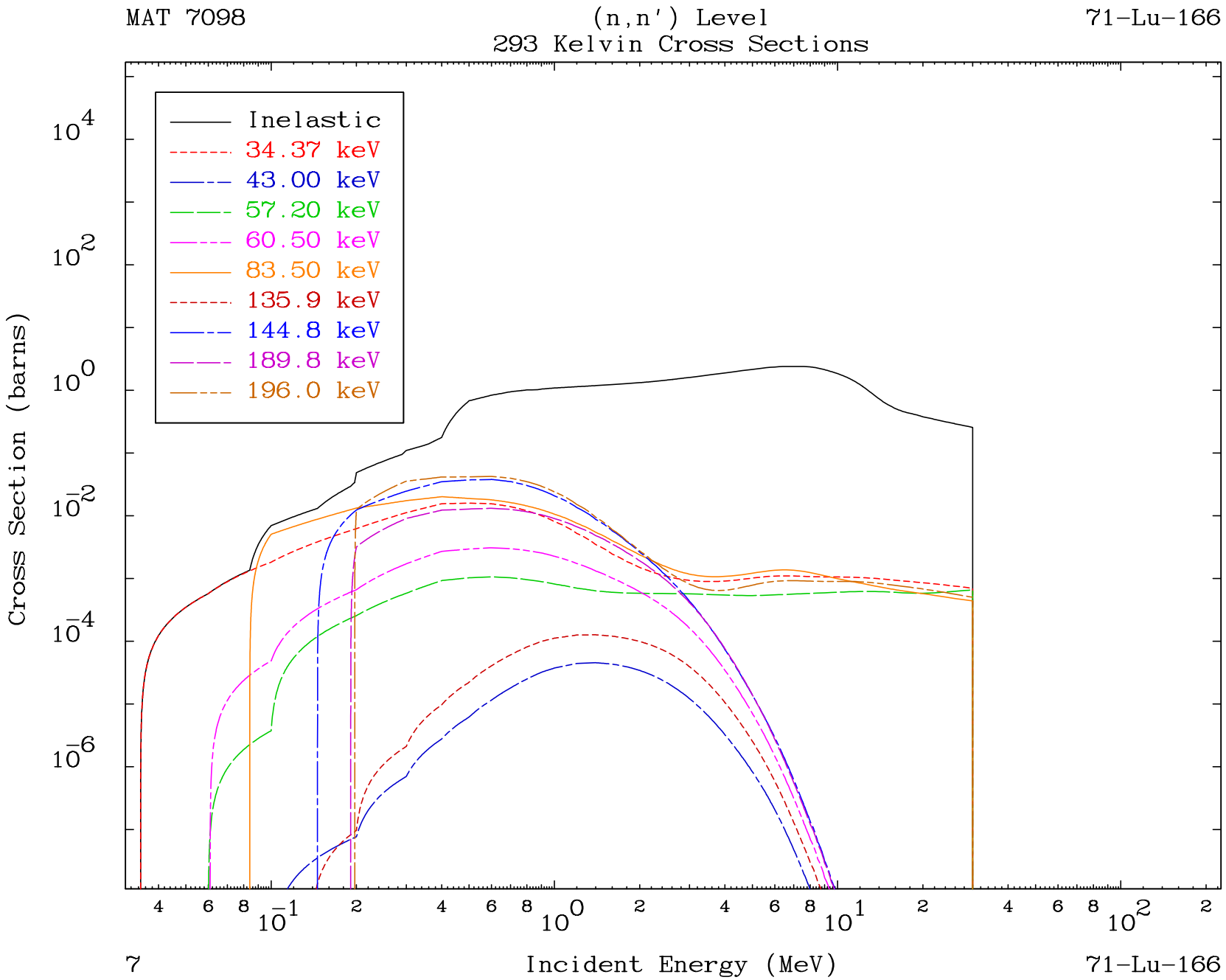

MAT 7098
Neutron Production
293 Kelvin Cross Sections
71-Lu-166
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
2

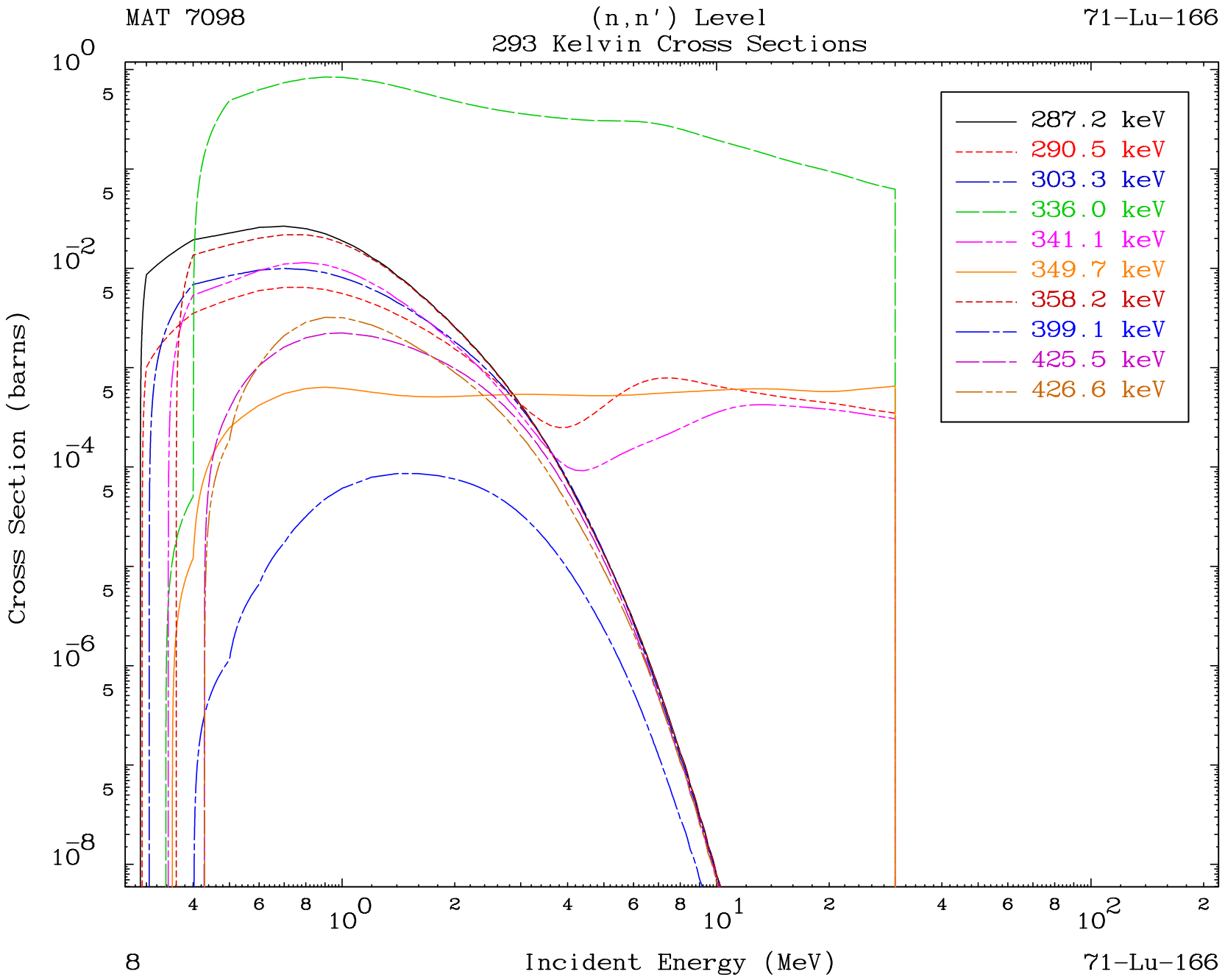

MAT 7098
Neutron Production
293 Kelvin Cross Sections
71-Lu-166
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
10 1
2
4
6
8
10 2
2
3
Incident Energy (MeV)
71-Lu-166

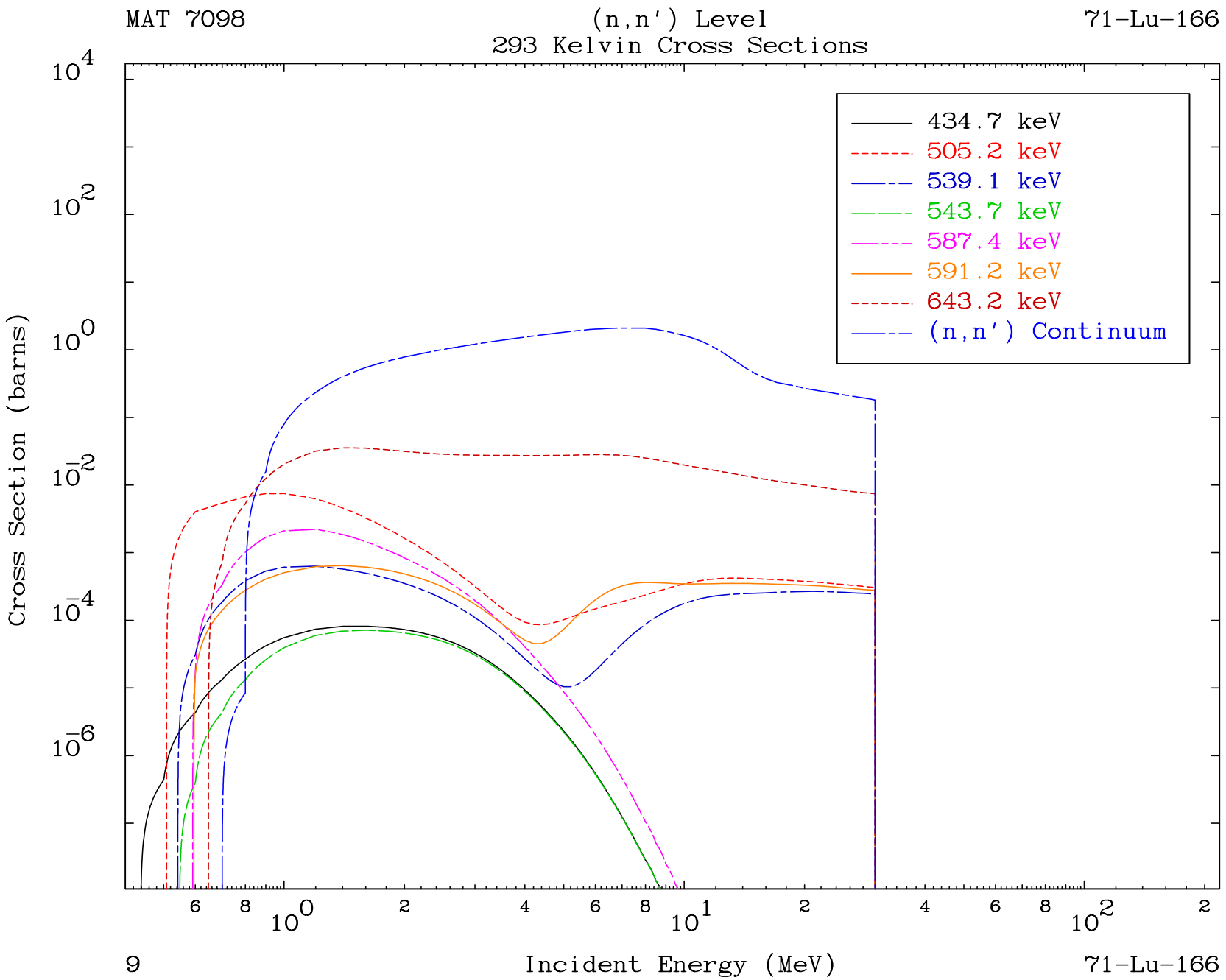

MAT 7098
Charged Particle
71-Lu-166
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-166

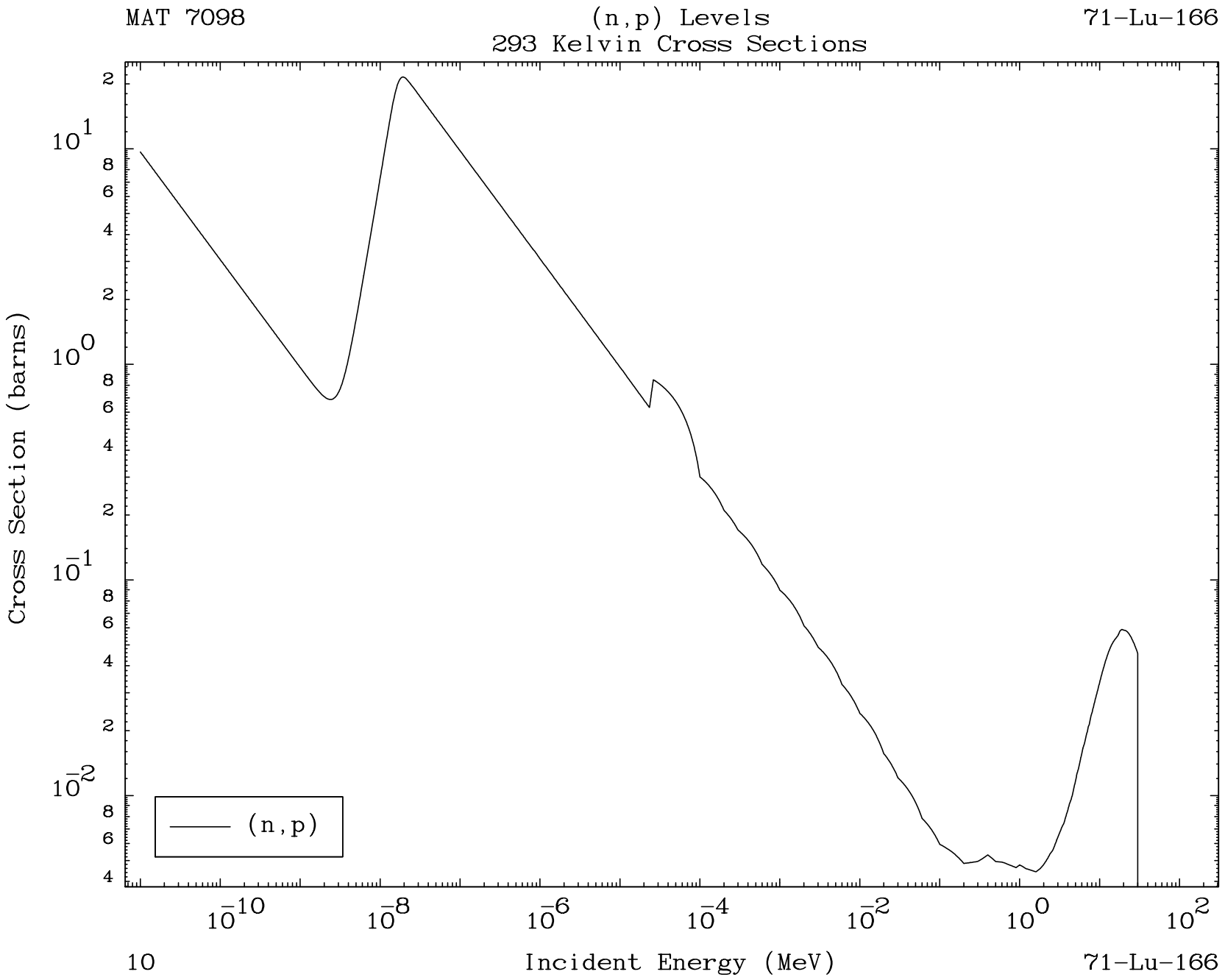

MAT 7098
Charged Particle
293 Kelvin Cross Sections
71-Lu-166
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t

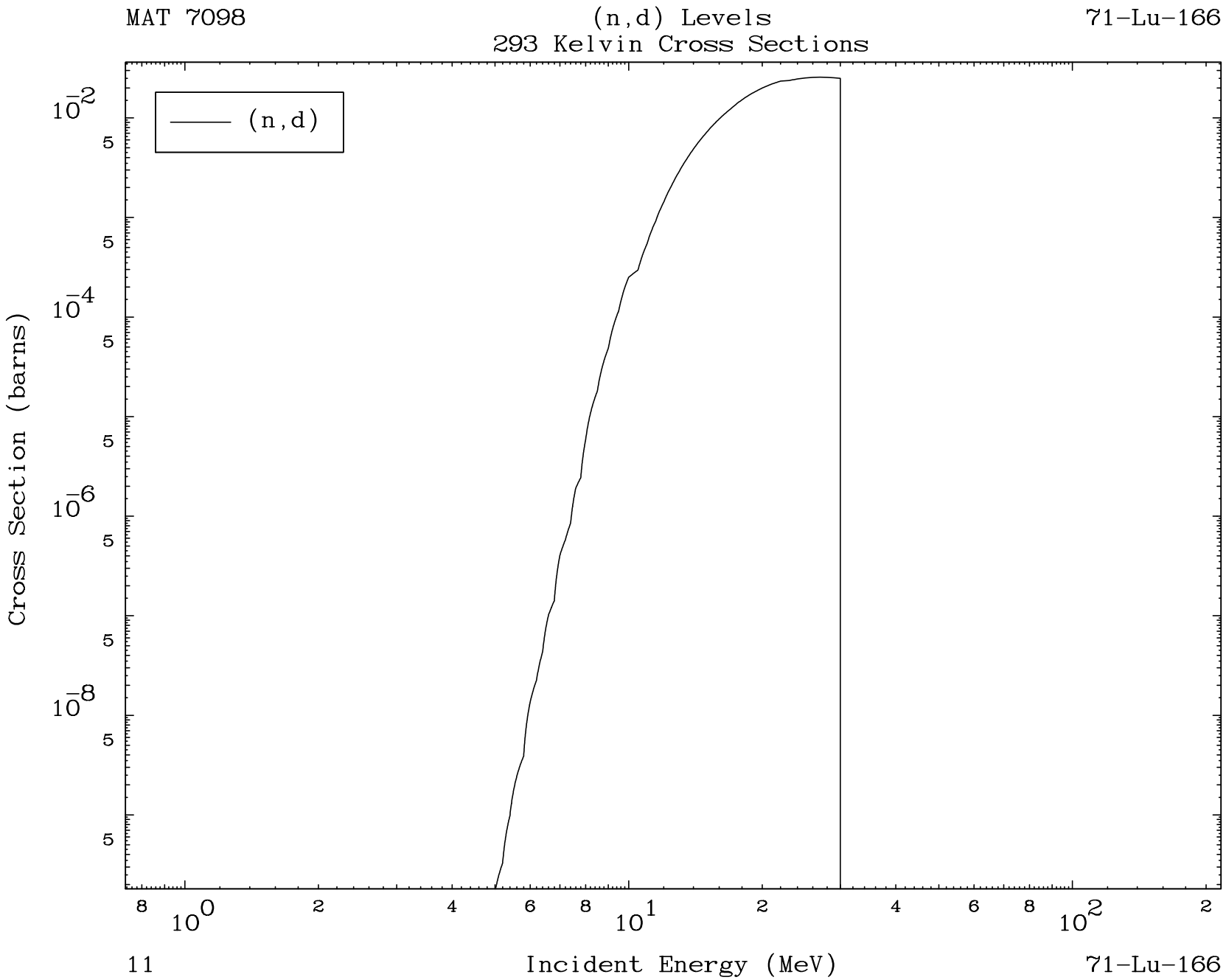

MAT 7098
Particle Production
293 Kelvin Cross Sections
71-Lu-166
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
6
71-Lu-166

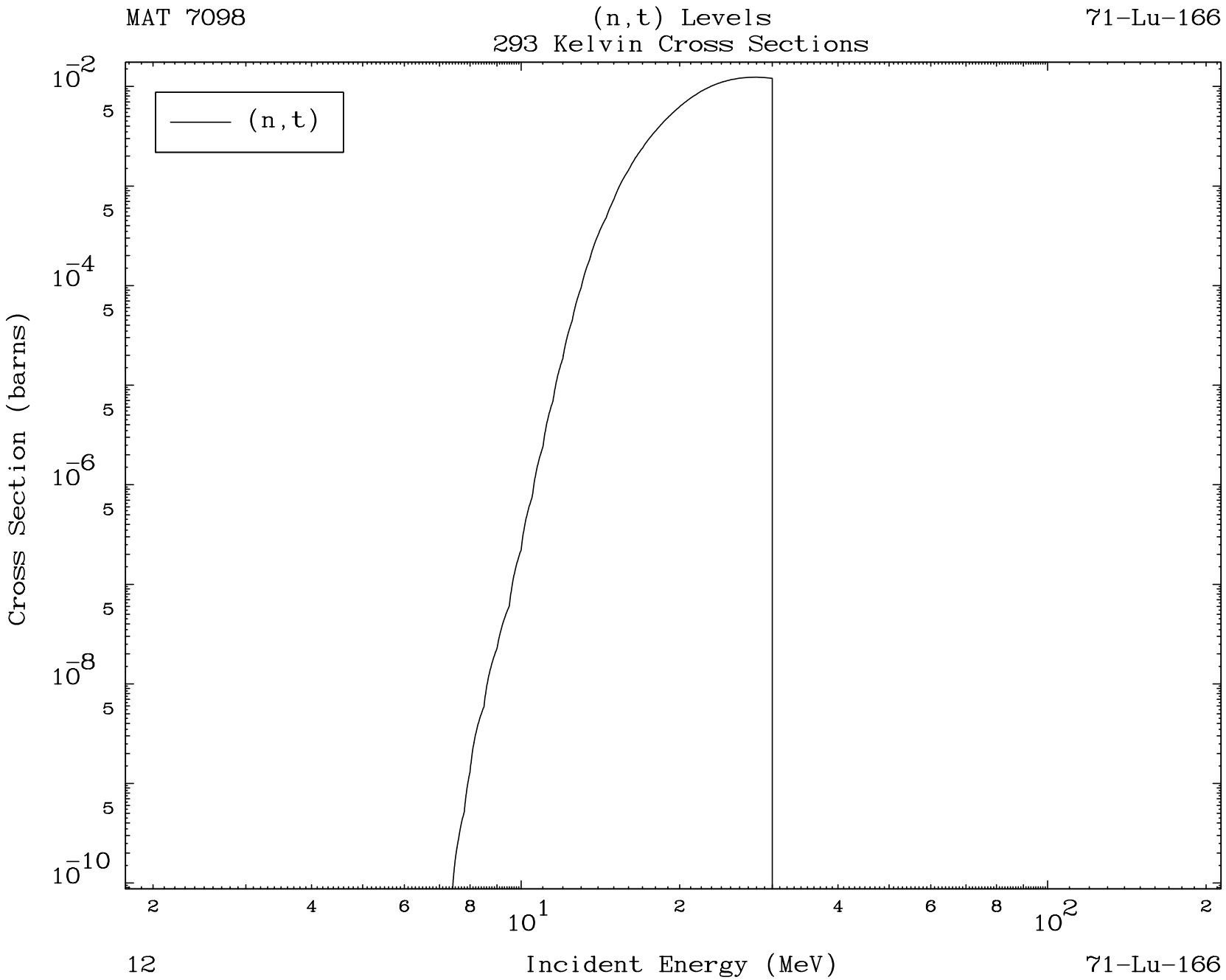

MAT 7098
(n,n') Level
293 Kelvin Cross Sections
71-Lu-166
Inelastic
34.37 keV
43.00 keV
57.20 keV
60.50 keV
83.50 keV
135.9 keV
144.8 keV
189.8 keV
196.0 keV
Cross Section (barns)
Incident Energy (MeV)
7
71-Lu-166

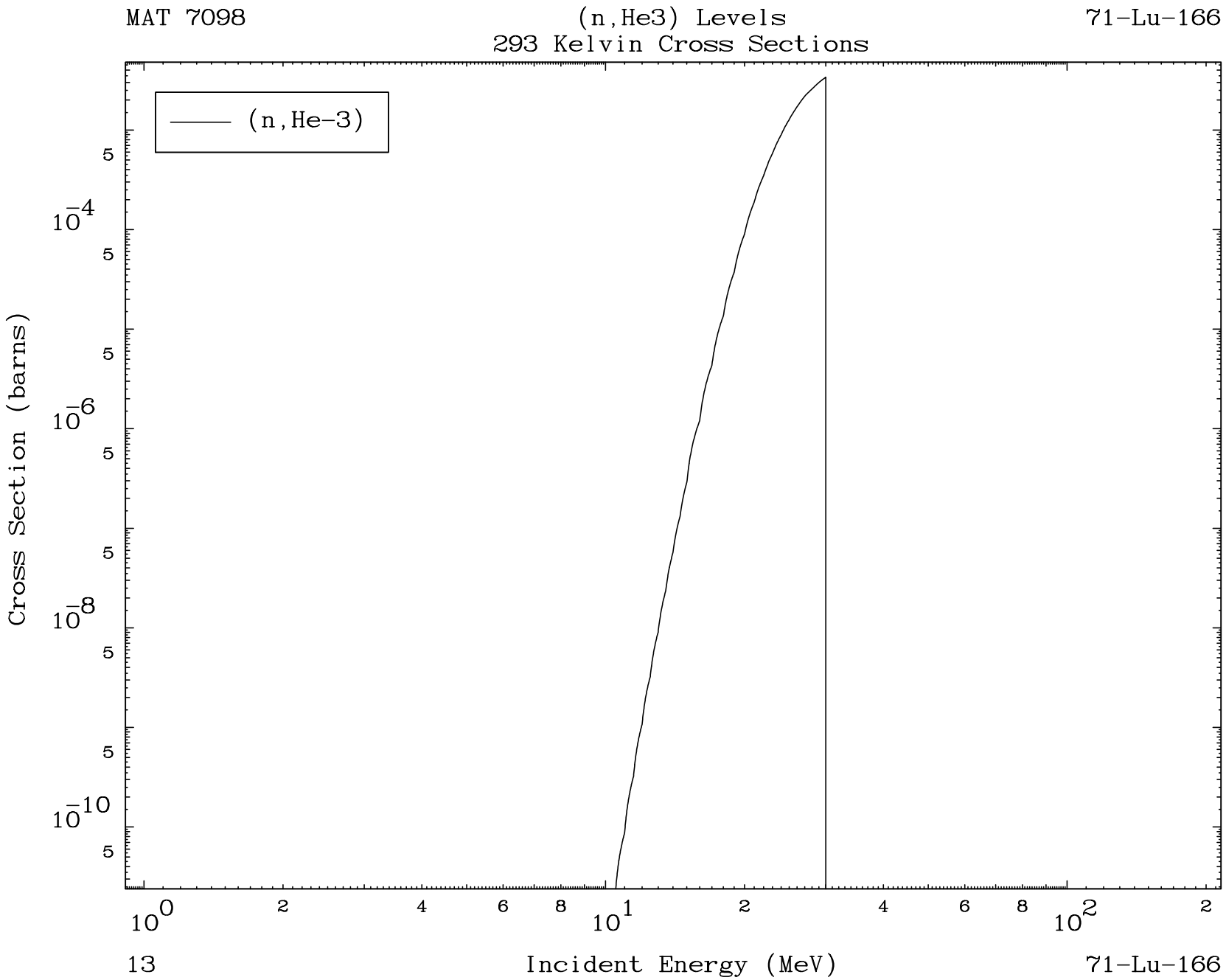

MAT 7098
(n,n') Level
293 Kelvin Cross Sections
71-Lu-166
Cross Section (barns)
Incident Energy (MeV)
287.2 keV
290.5 keV
303.3 keV
336.0 keV
341.1 keV
349.7 keV
358.2 keV
399.1 keV
425.5 keV
426.6 keV

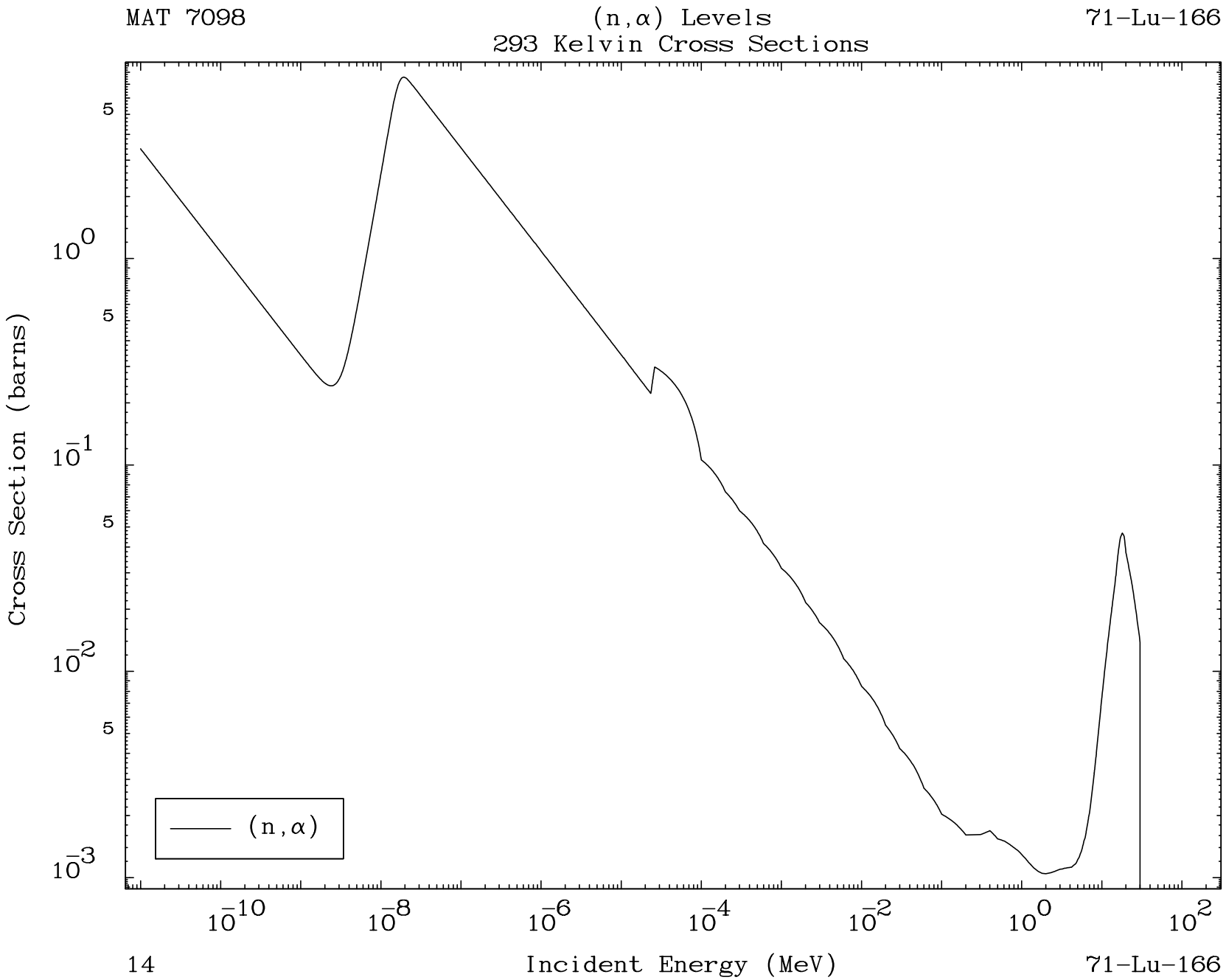

MAT 7098
(n,n') Level
293 Kelvin Cross Sections
71-Lu-166
434.7 keV
505.2 keV
539.1 keV
543.7 keV
587.4 keV
591.2 keV
643.2 keV
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
71-Lu-166

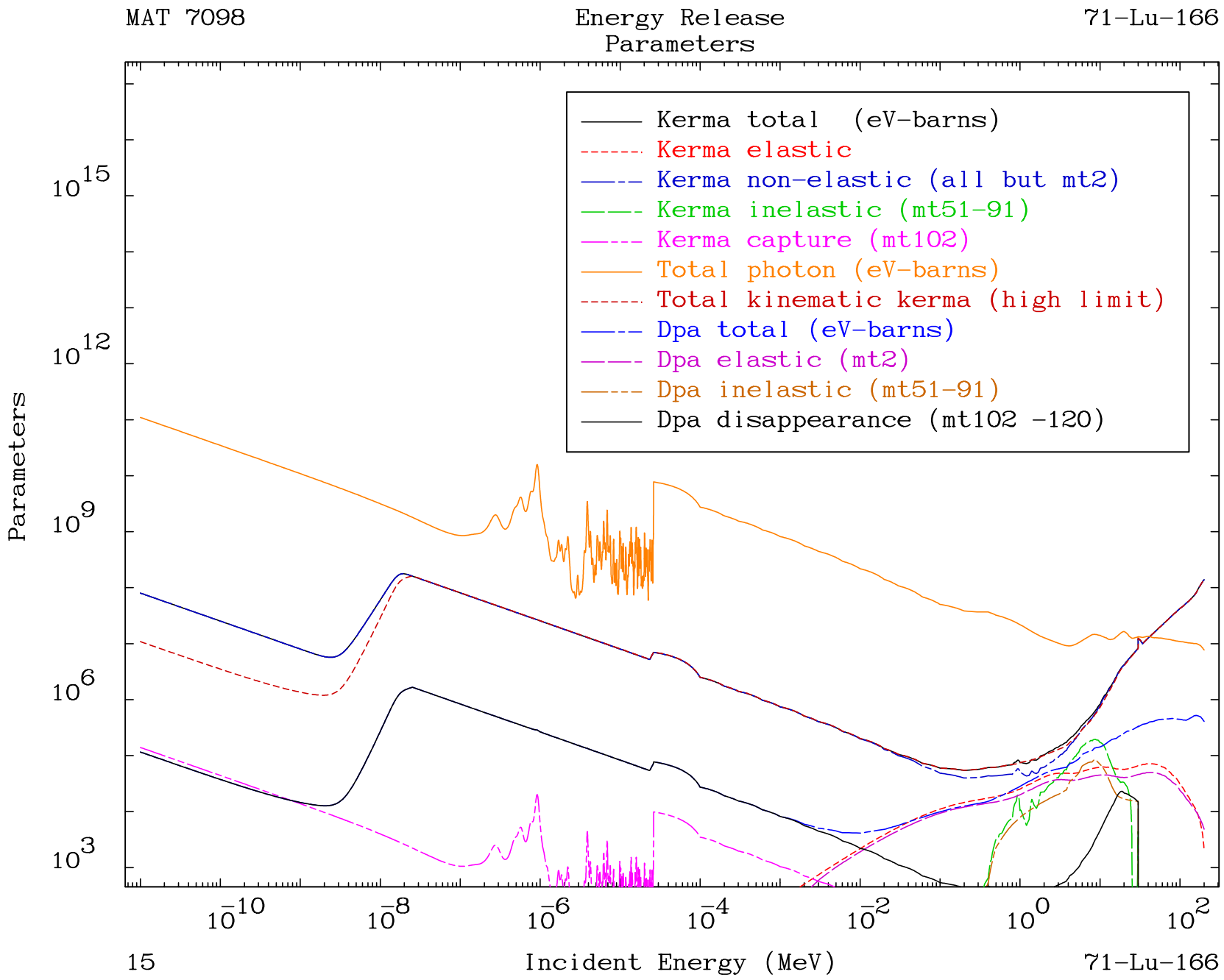

MAT 7098
(n,p) Levels
71-Lu-166
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
71-Lu-166

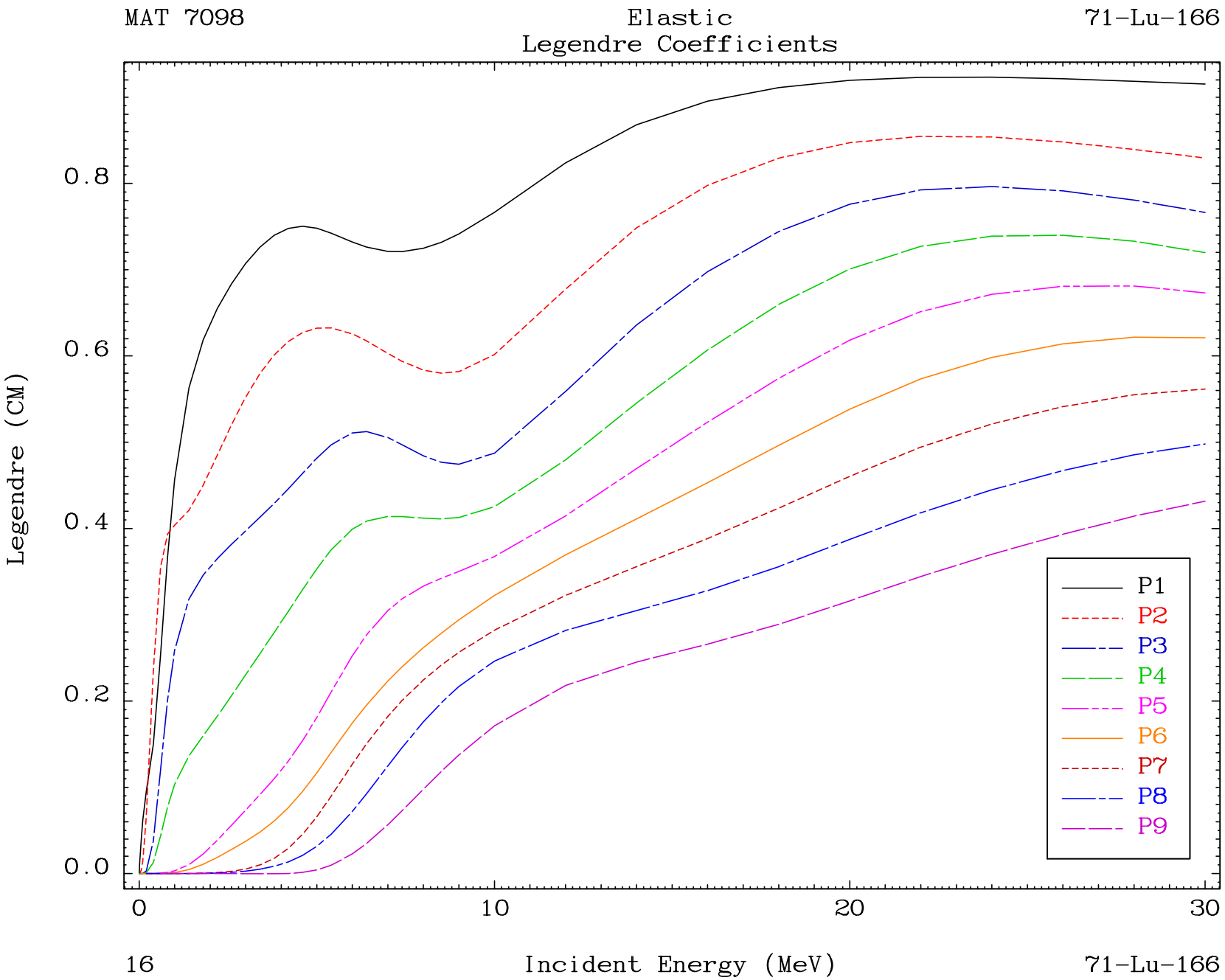

MAT 7098
(n,d) Levels
71-Lu-166
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-166

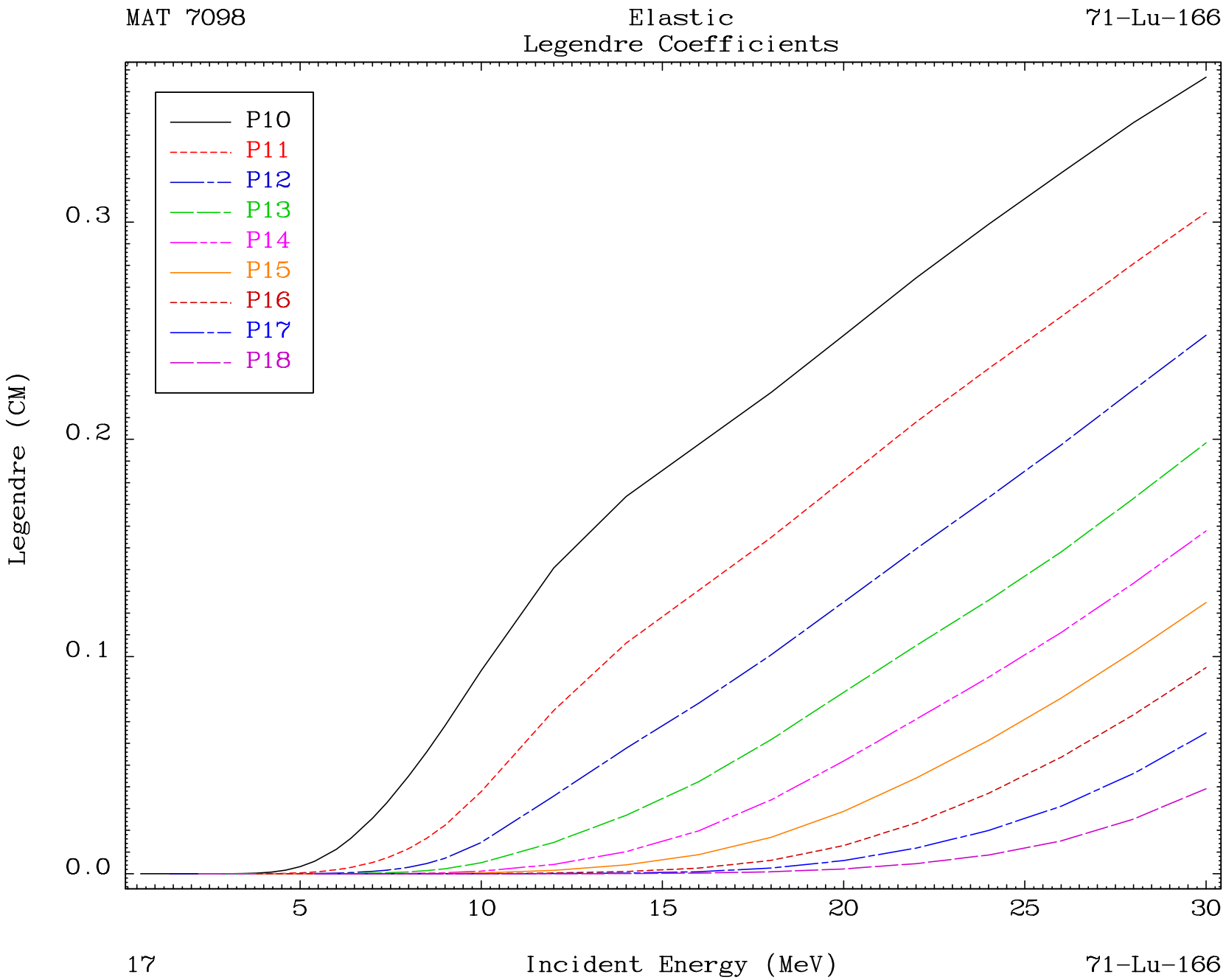

MAT 7098
(n,t) Levels
71-Lu-166
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-166

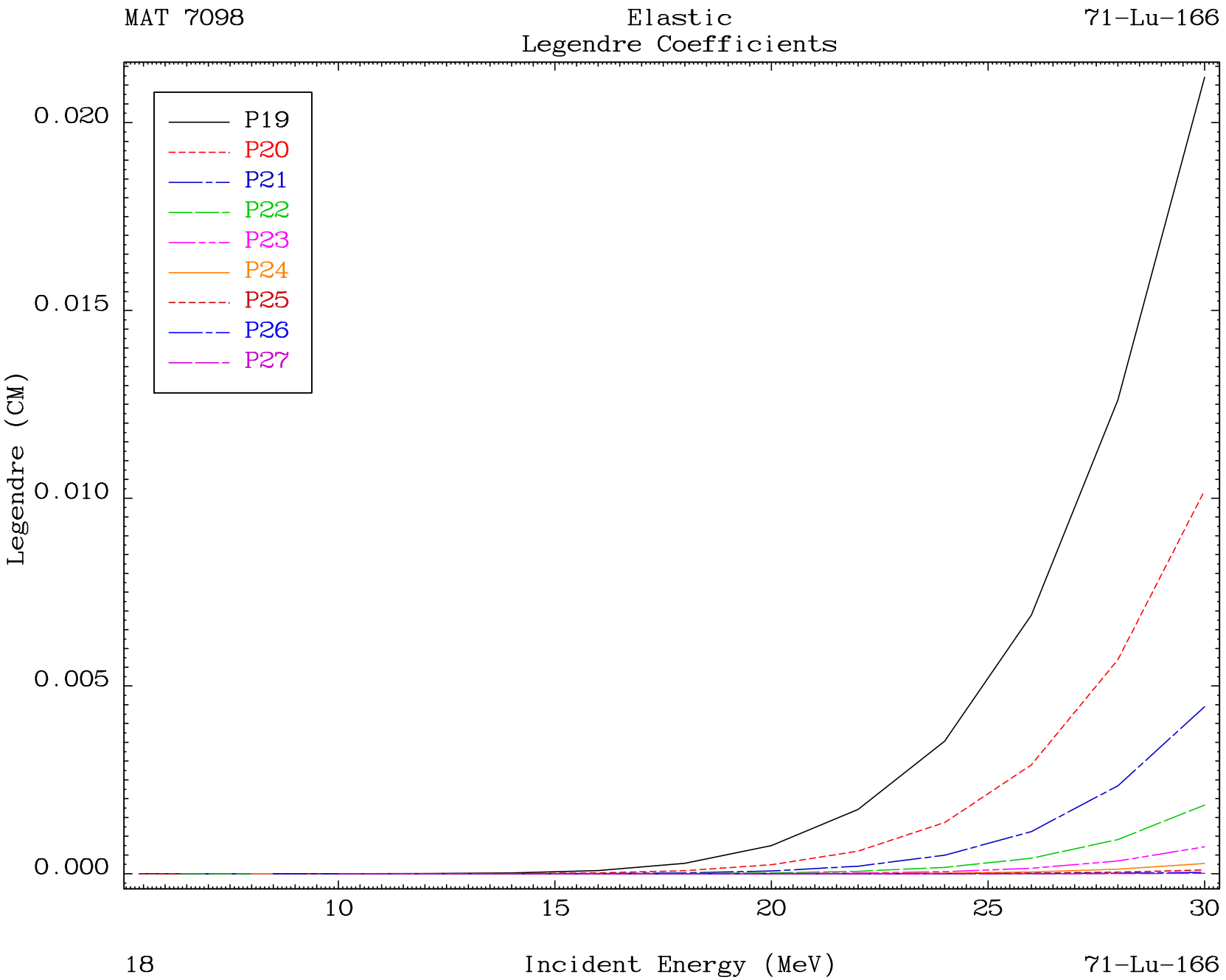

MAT 7098
(n,He3) Levels
71-Lu-166
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
13
71-Lu-166

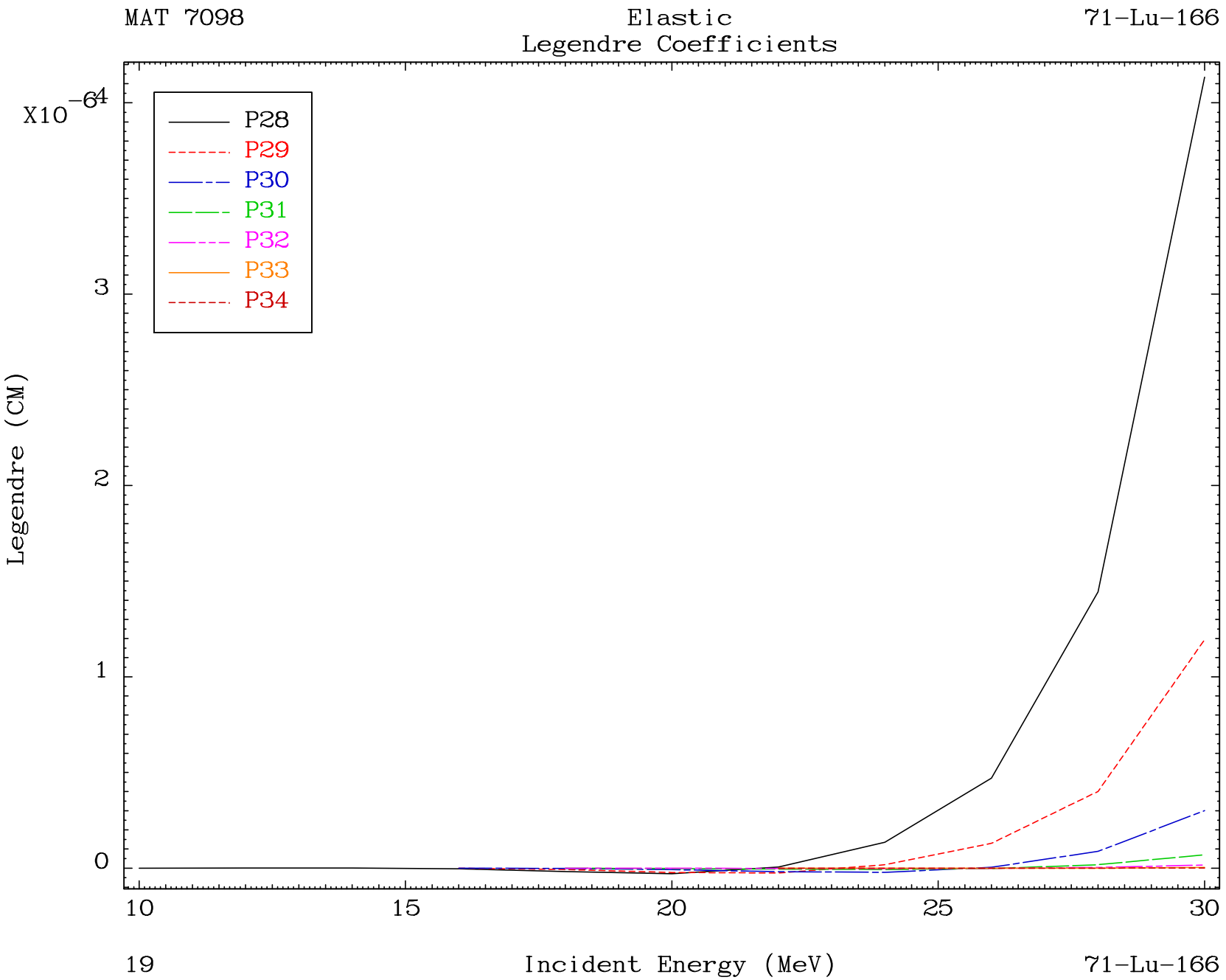

MAT 7098
(n,α) Levels
71-Lu-166
293 Kelvin Cross Sections
Cross Section (barns)
10^0
10^-1
10^-2
10^-3
5
5
5
5
(n,α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
14
71-Lu-166

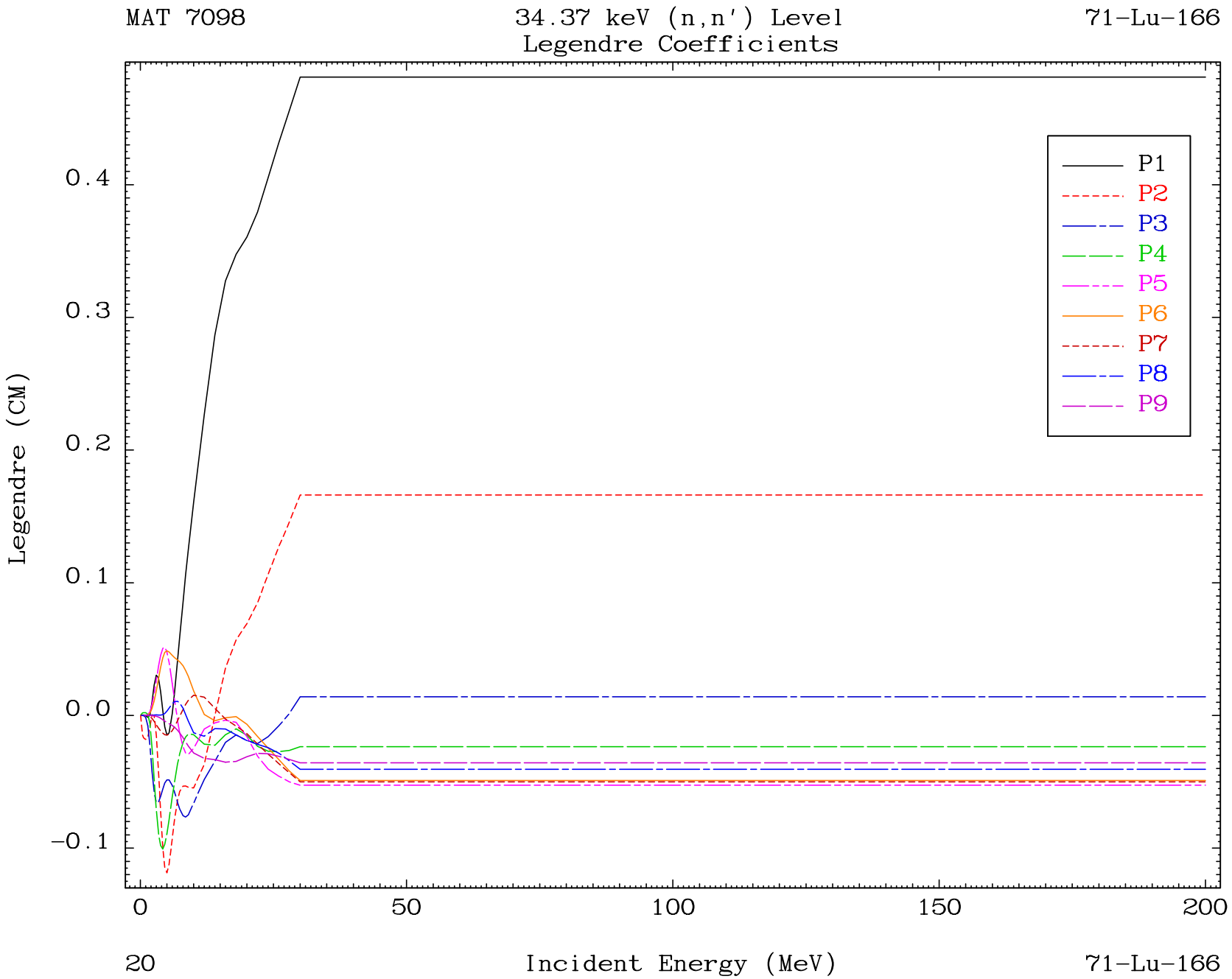

MAT 7098
Energy Release
Parameters
71-Lu-166
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^{15}
10^{12}
10^{9}
10^{6}
10^{3}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
15
Incident Energy (MeV)
71-Lu-166

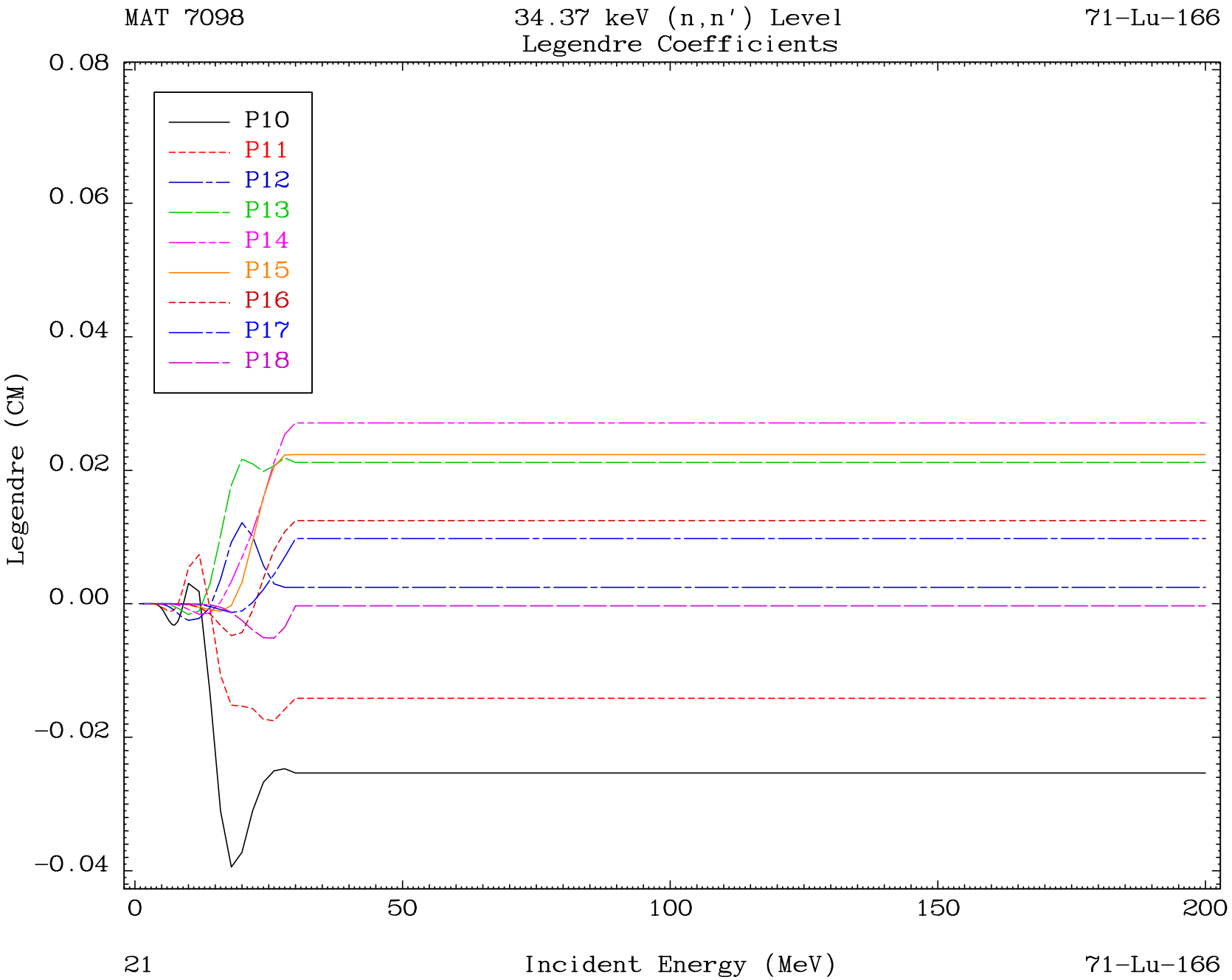

MAT 7098
Elastic
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

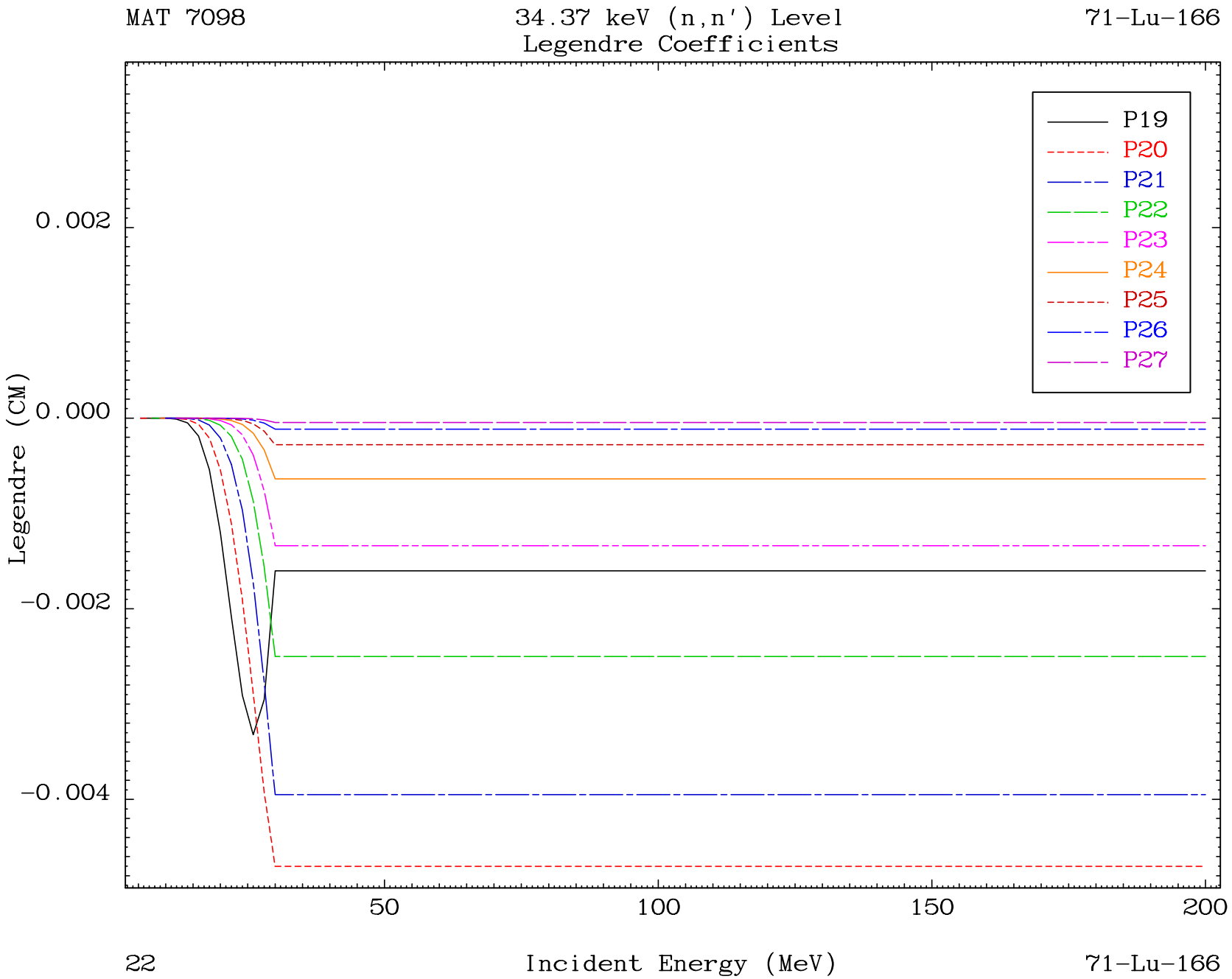

MAT 7098
Elastic
Legendre Coefficients
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
71-Lu-166

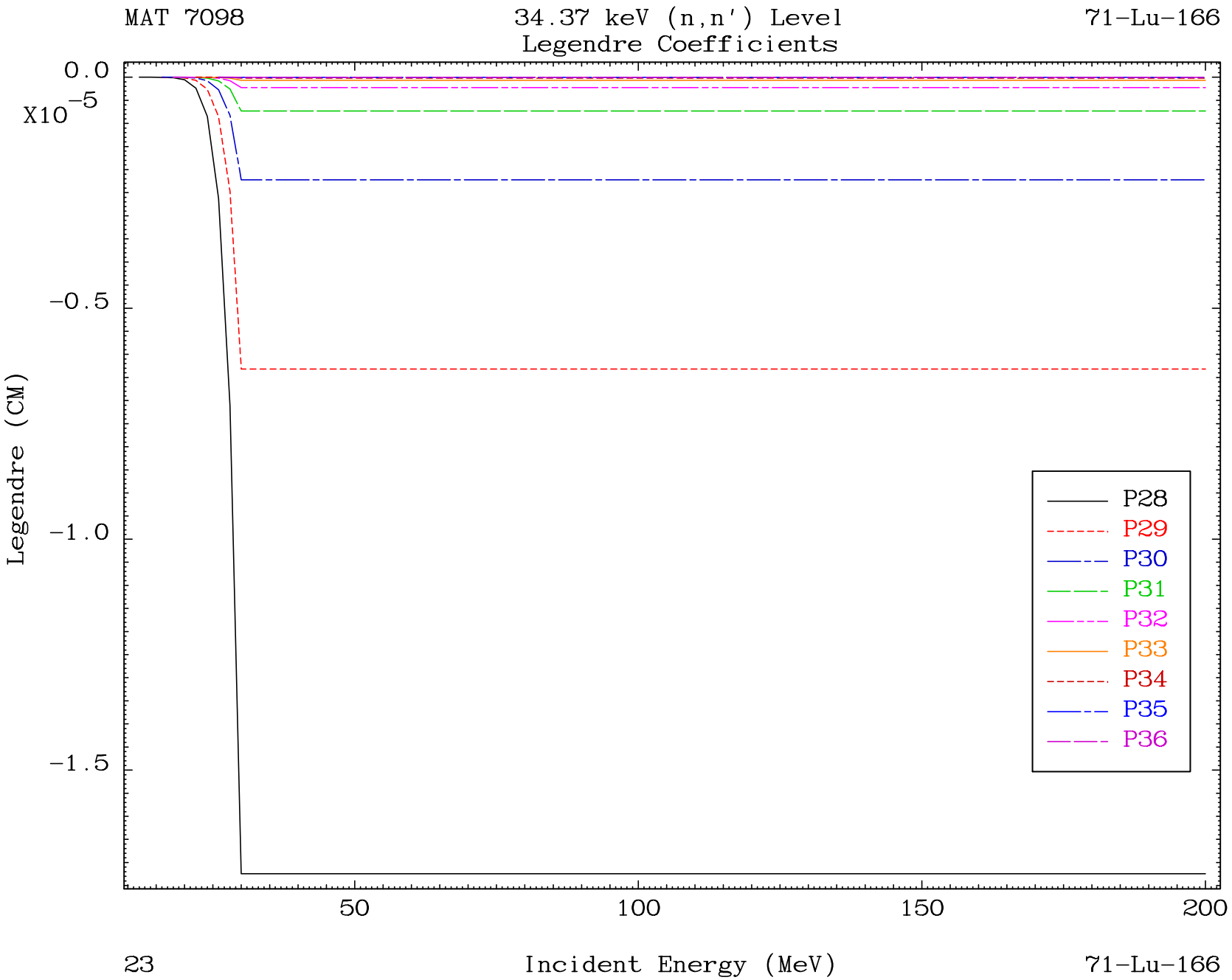

MAT 7098
Elastic
Legendre Coefficients
71-Lu-166
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
71-Lu-166

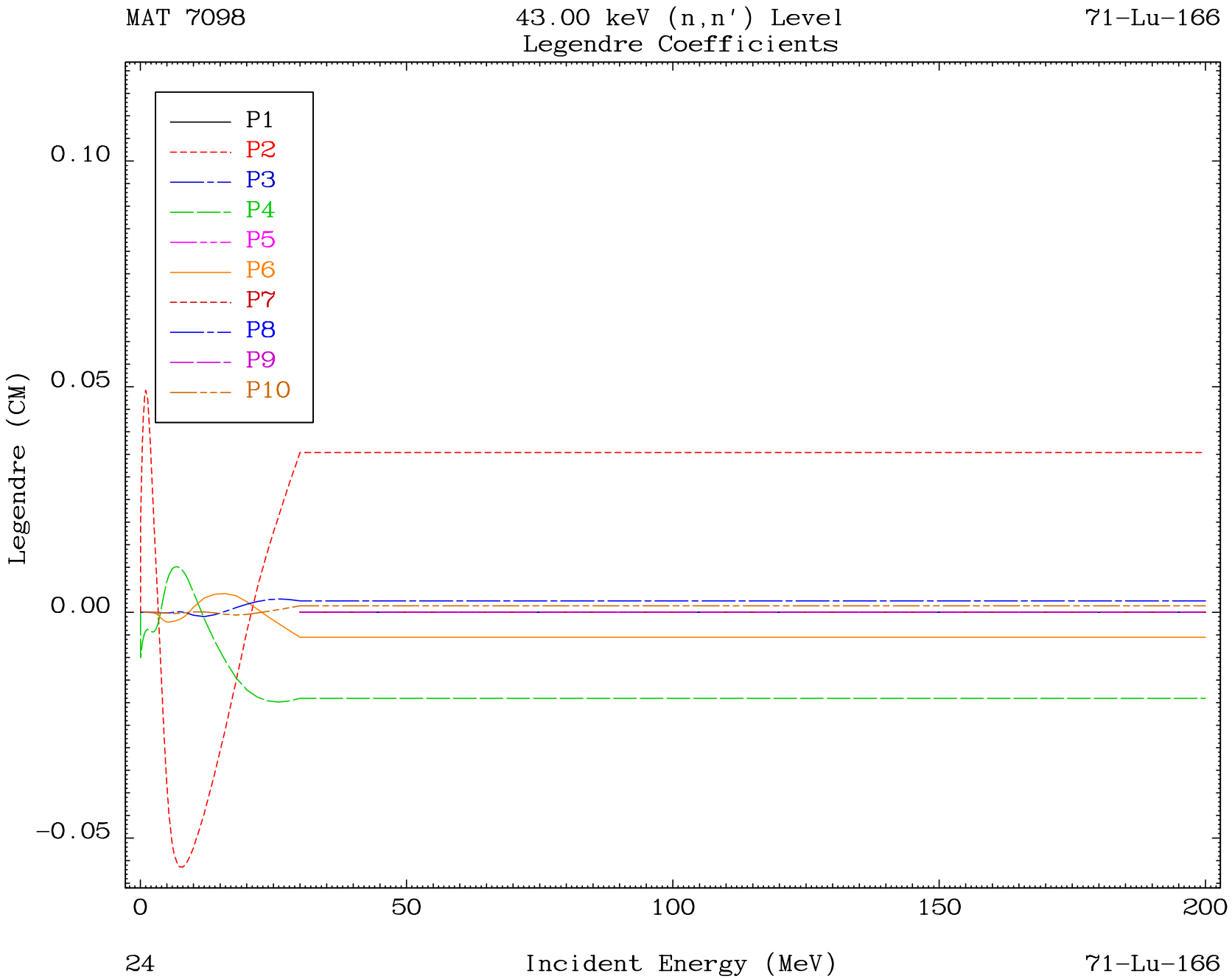

MAT 7098
Elastic
Legendre Coefficients
71-Lu-166
X10 -64
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
3
2
1
0
10
15
20
25
30
19
Incident Energy (MeV)
71-Lu-166

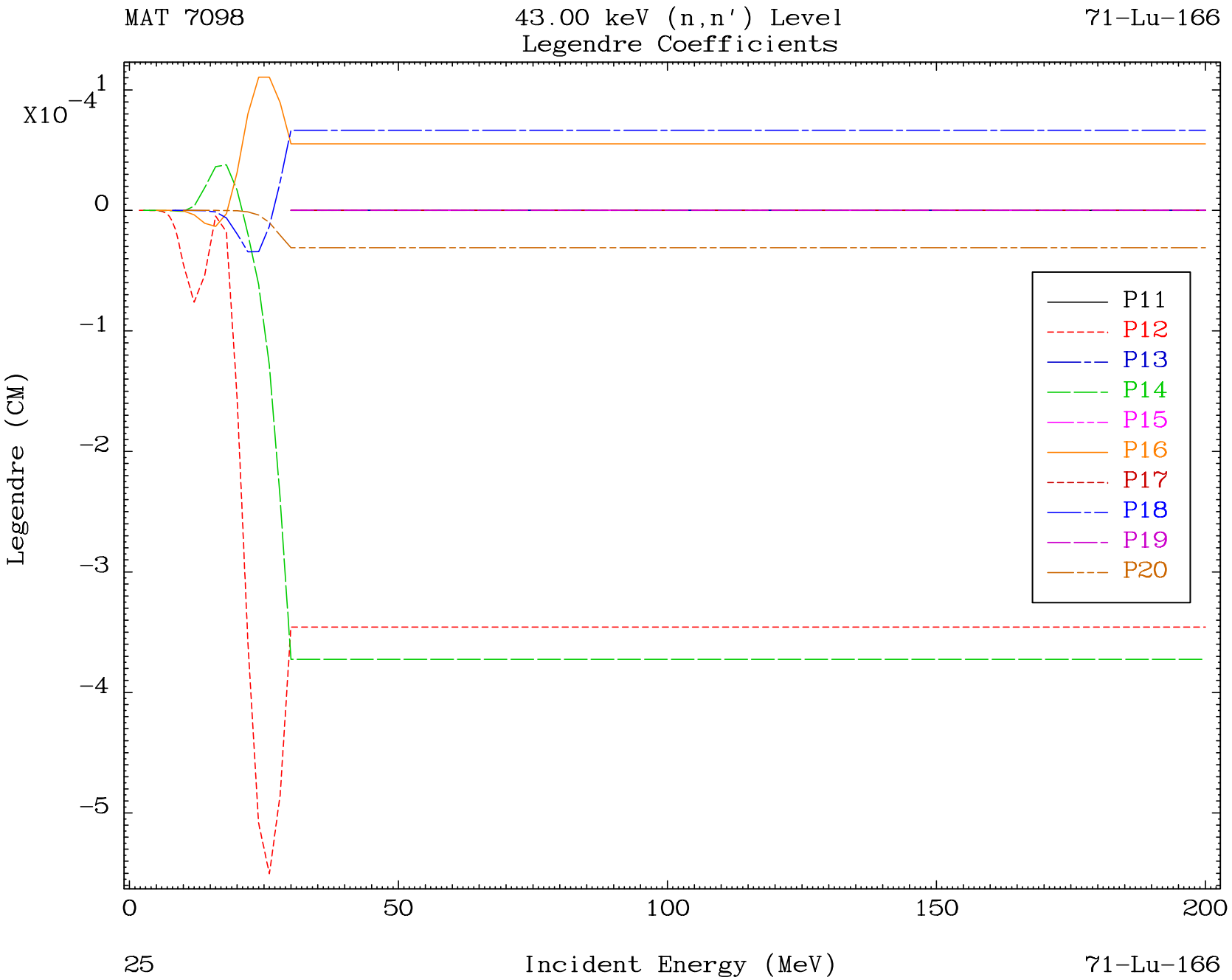

MAT 7098
34.37 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
20
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

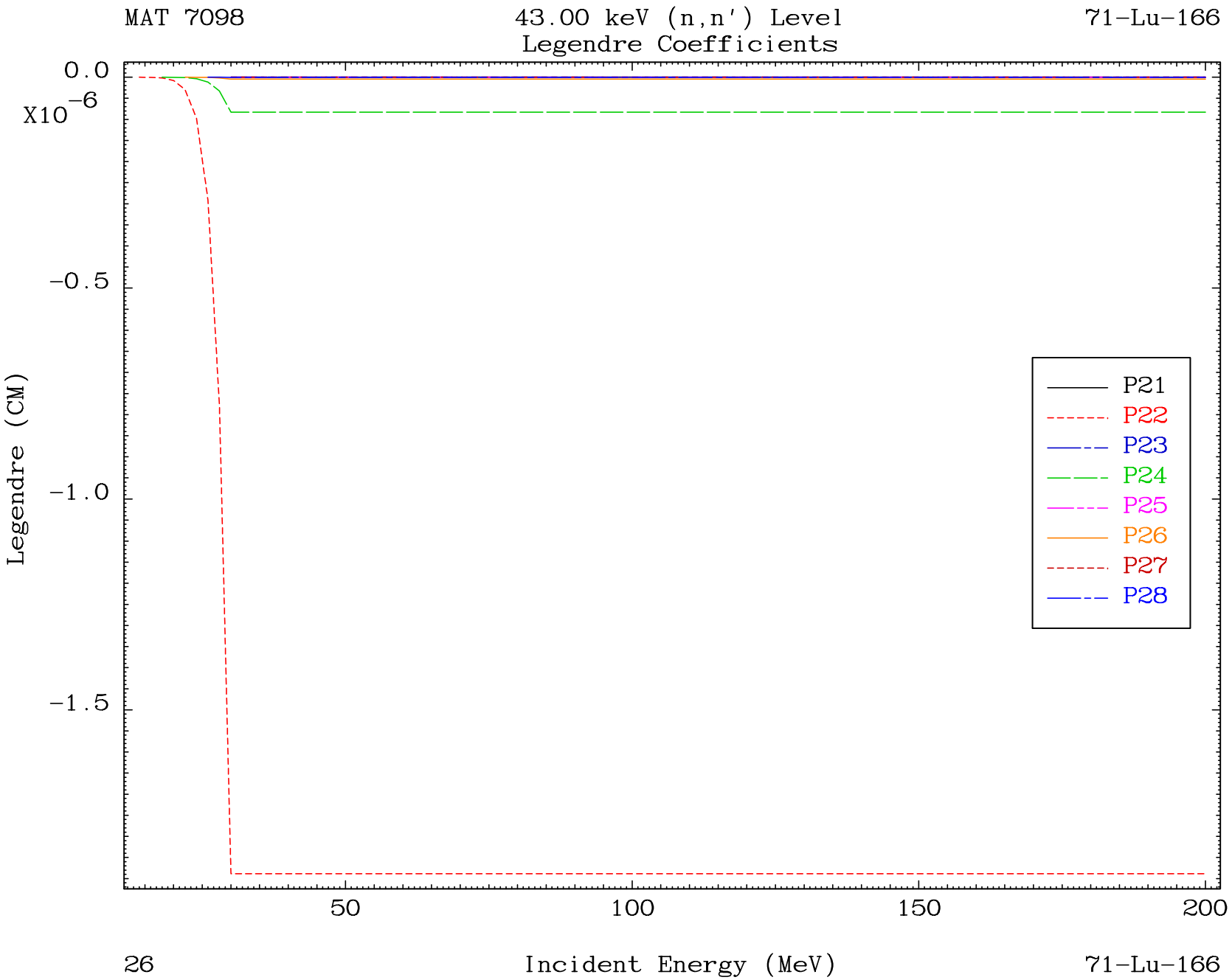

MAT 7098
34.37 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
71-Lu-166

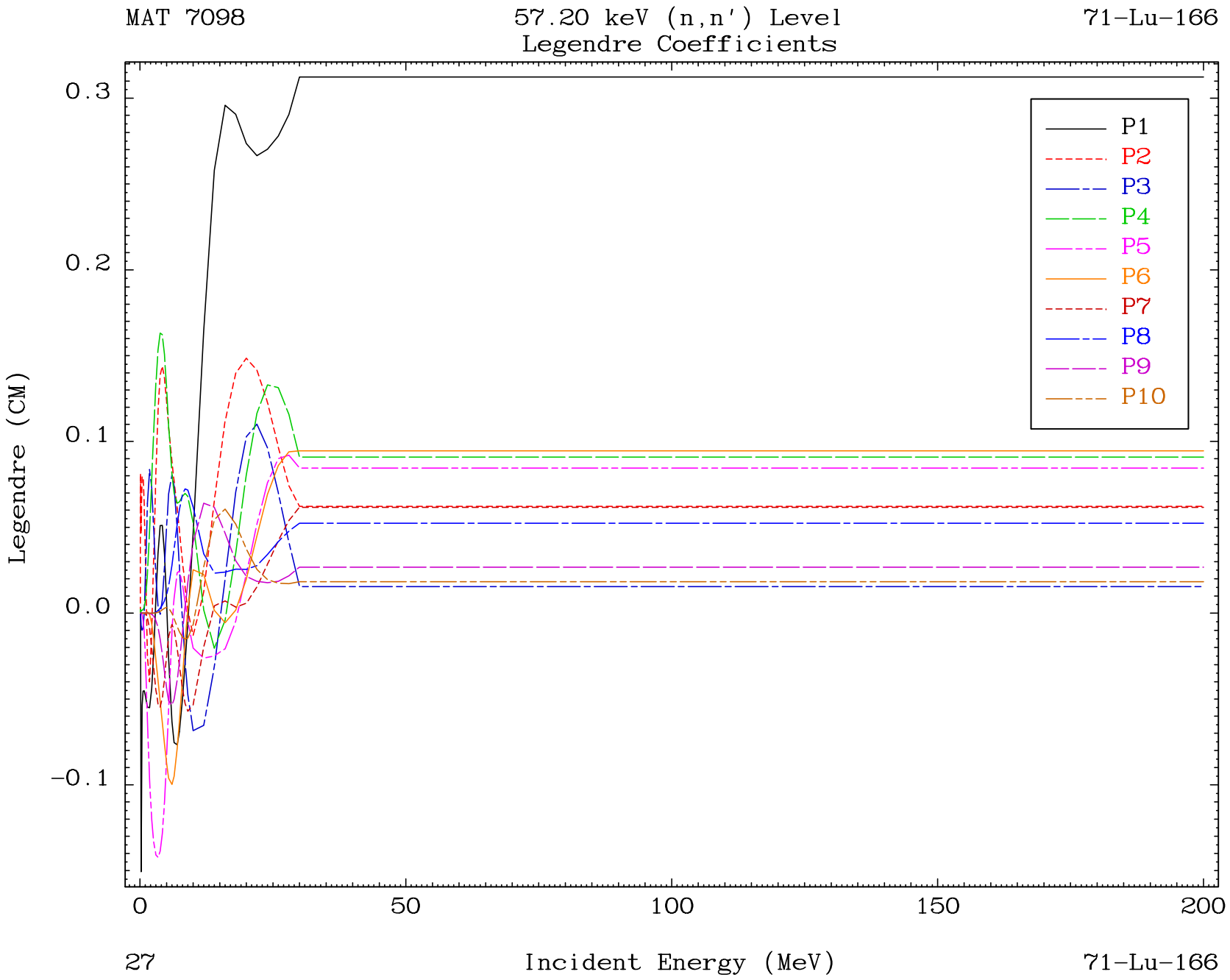

MAT 7098
34.37 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
71-Lu-166

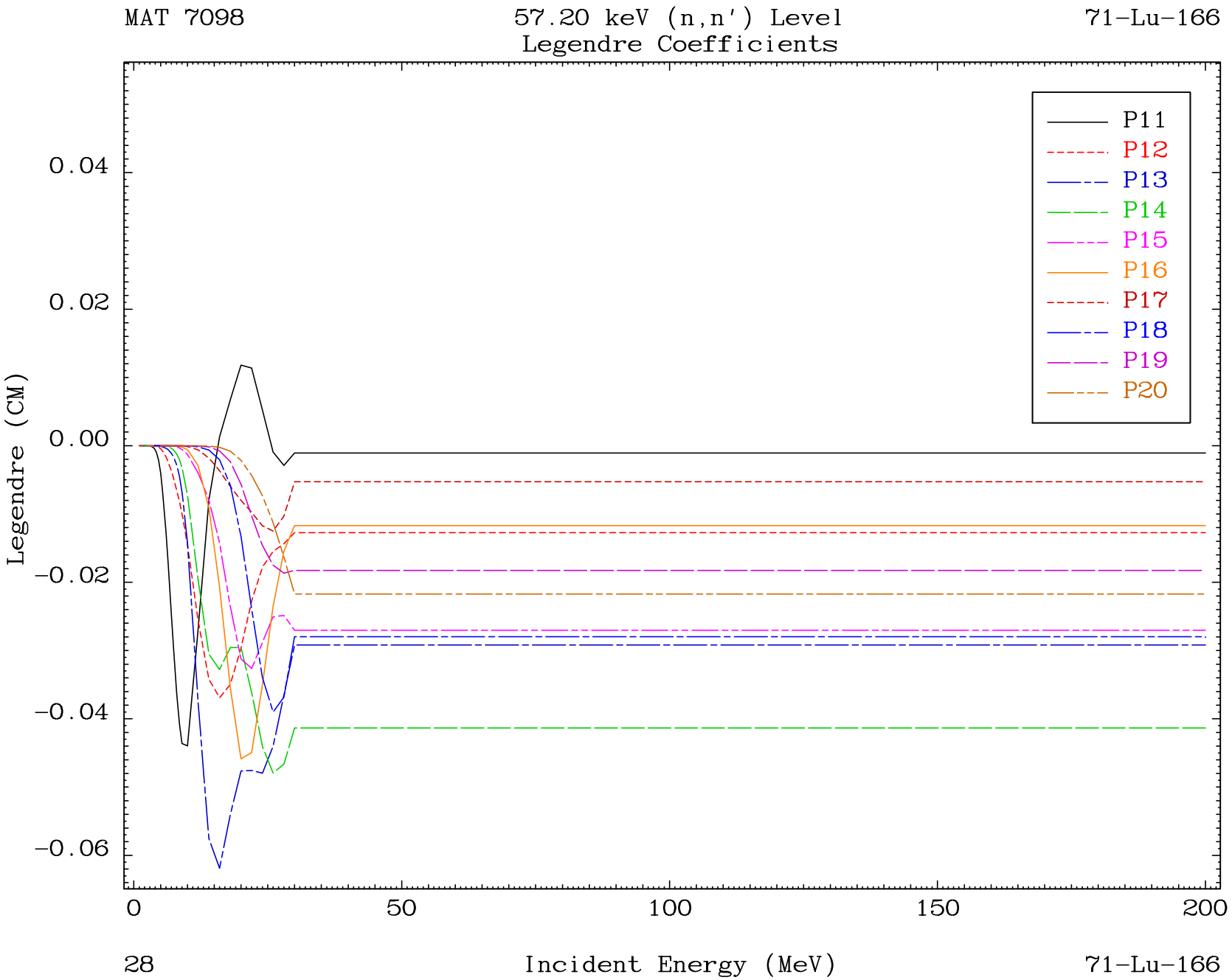

MAT 7098
34.37 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-5
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
23
Incident Energy (MeV)
71-Lu-166
P28
P29
P30
P31
P32
P33
P34
P35
P36

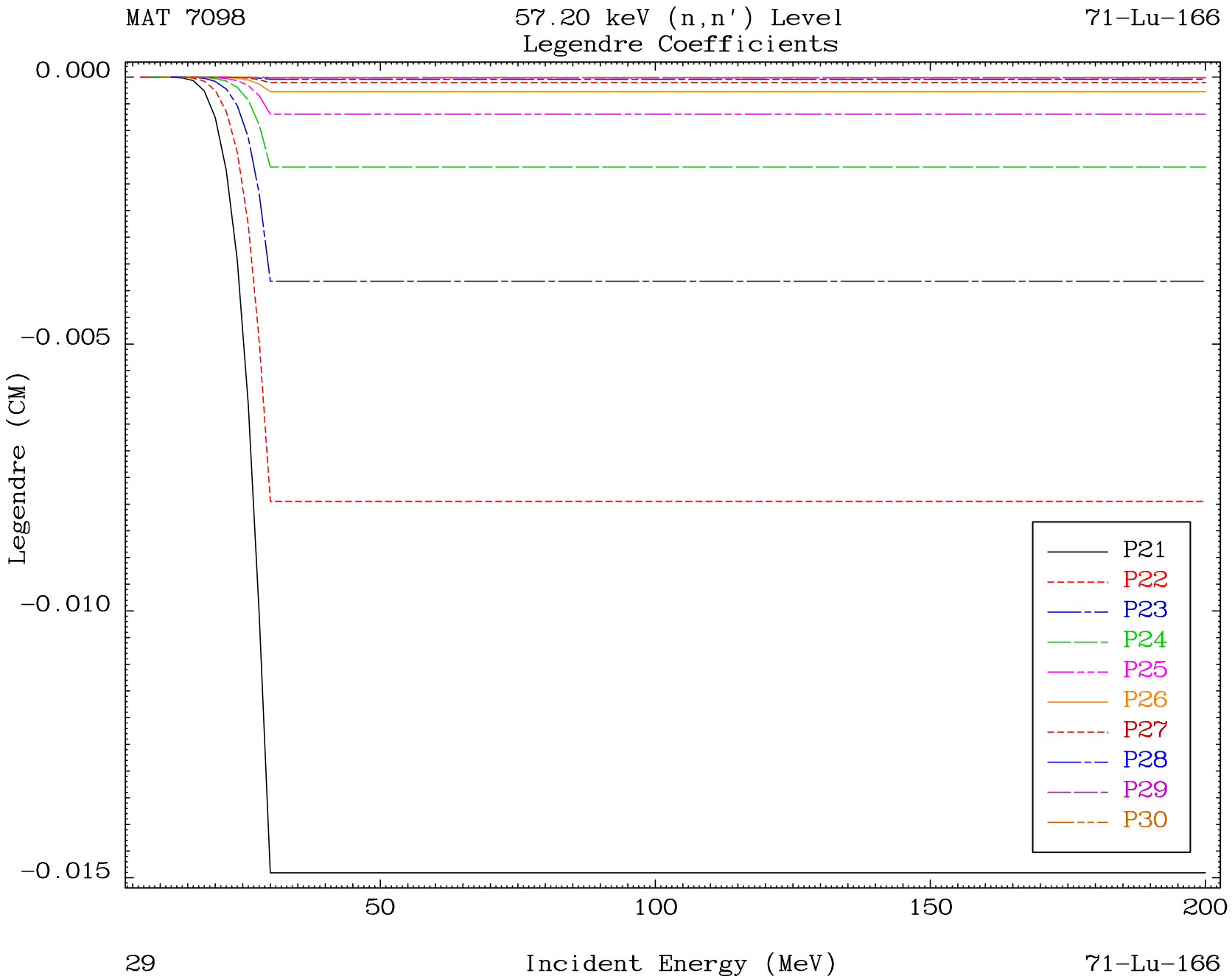

MAT 7098
43.00 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.10
0.05
0.00
-0.05
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
71-Lu-166

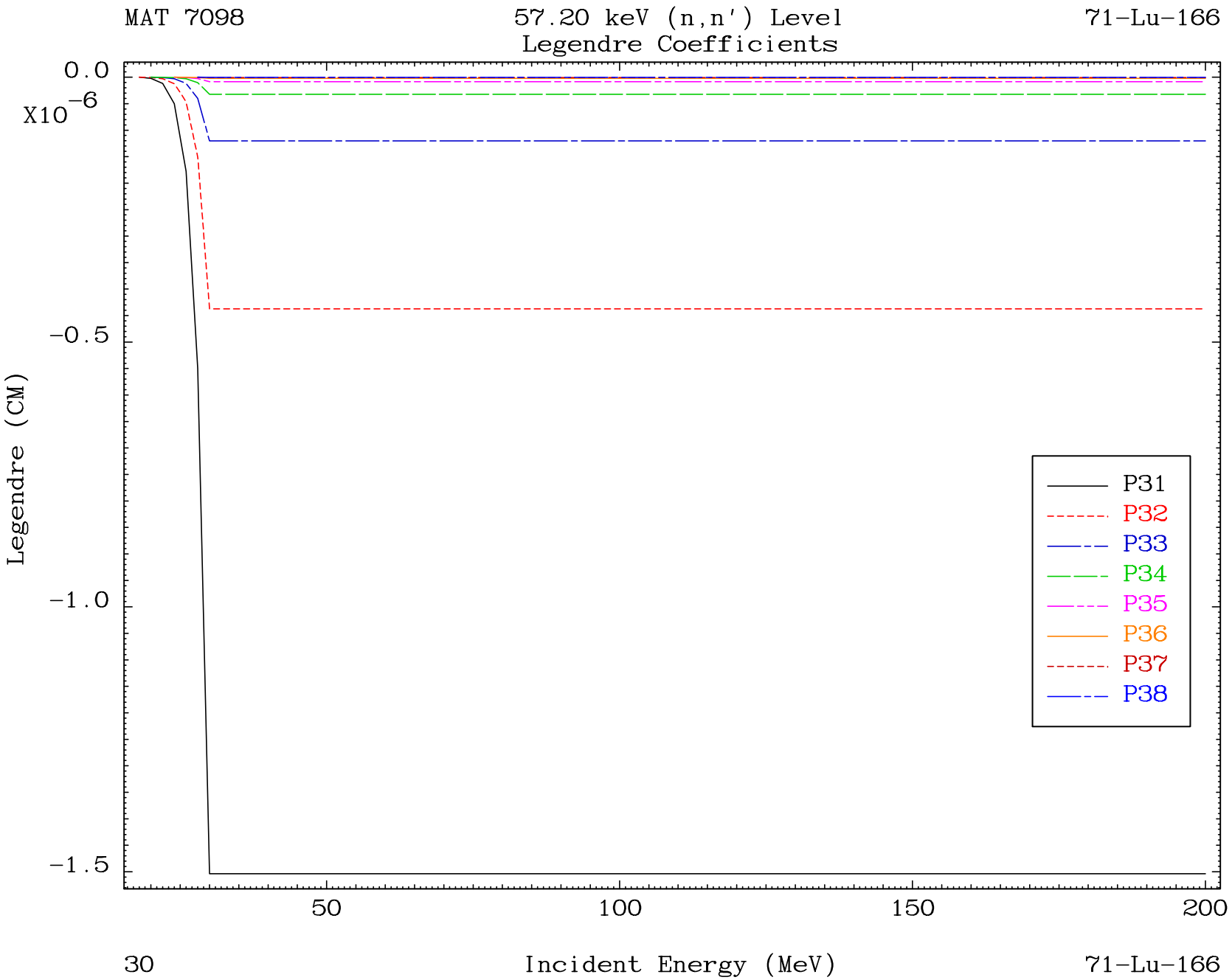

MAT 7098
43.00 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 -4 1
0
-1
-2
-3
-4
-5
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
25
Incident Energy (MeV)
71-Lu-166

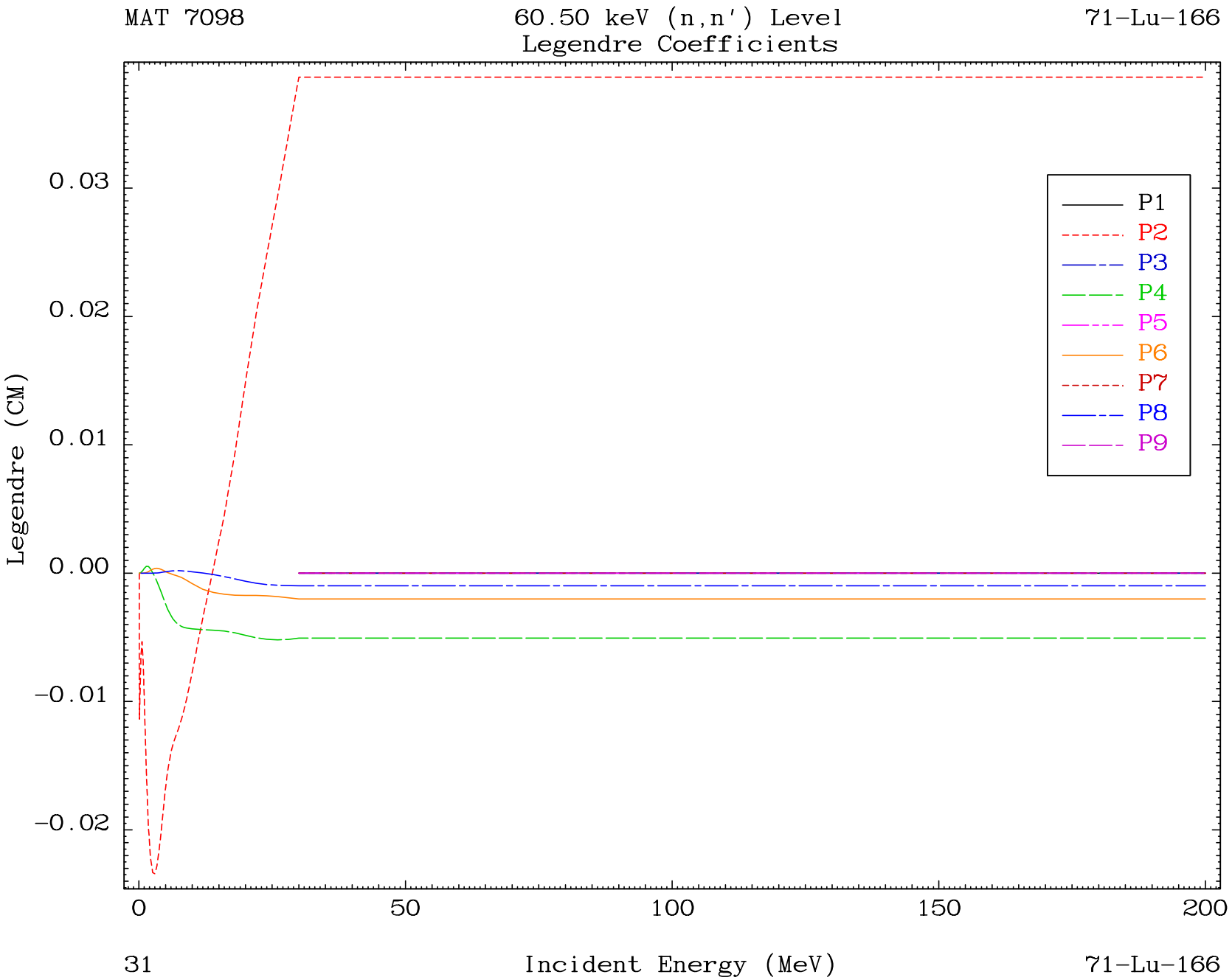

MAT 7098
43.00 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
26
Incident Energy (MeV)
71-Lu-166
P21
P22
P23
P24
P25
P26
P27
P28

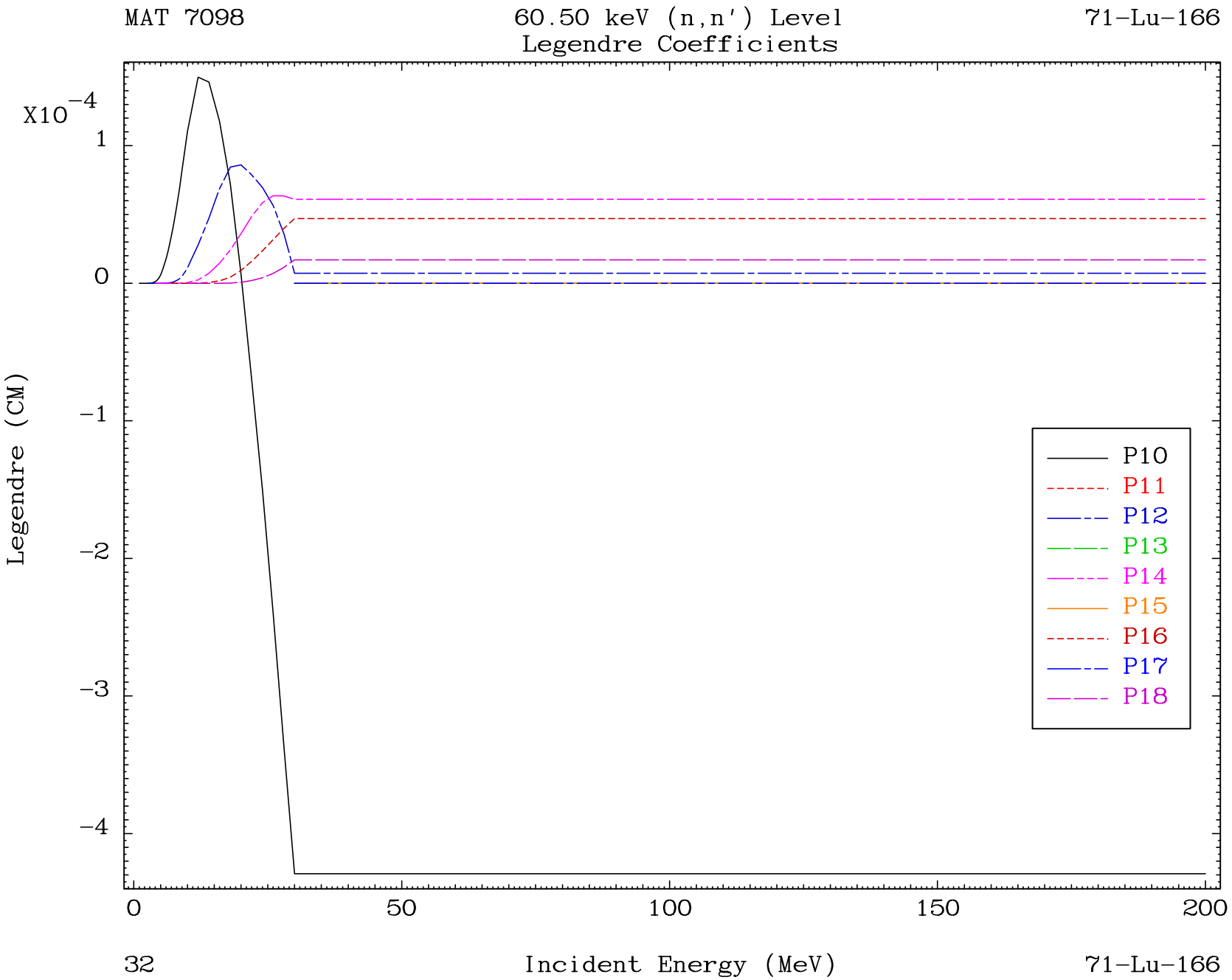

MAT 7098
57.20 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
27
Incident Energy (MeV)
71-Lu-166

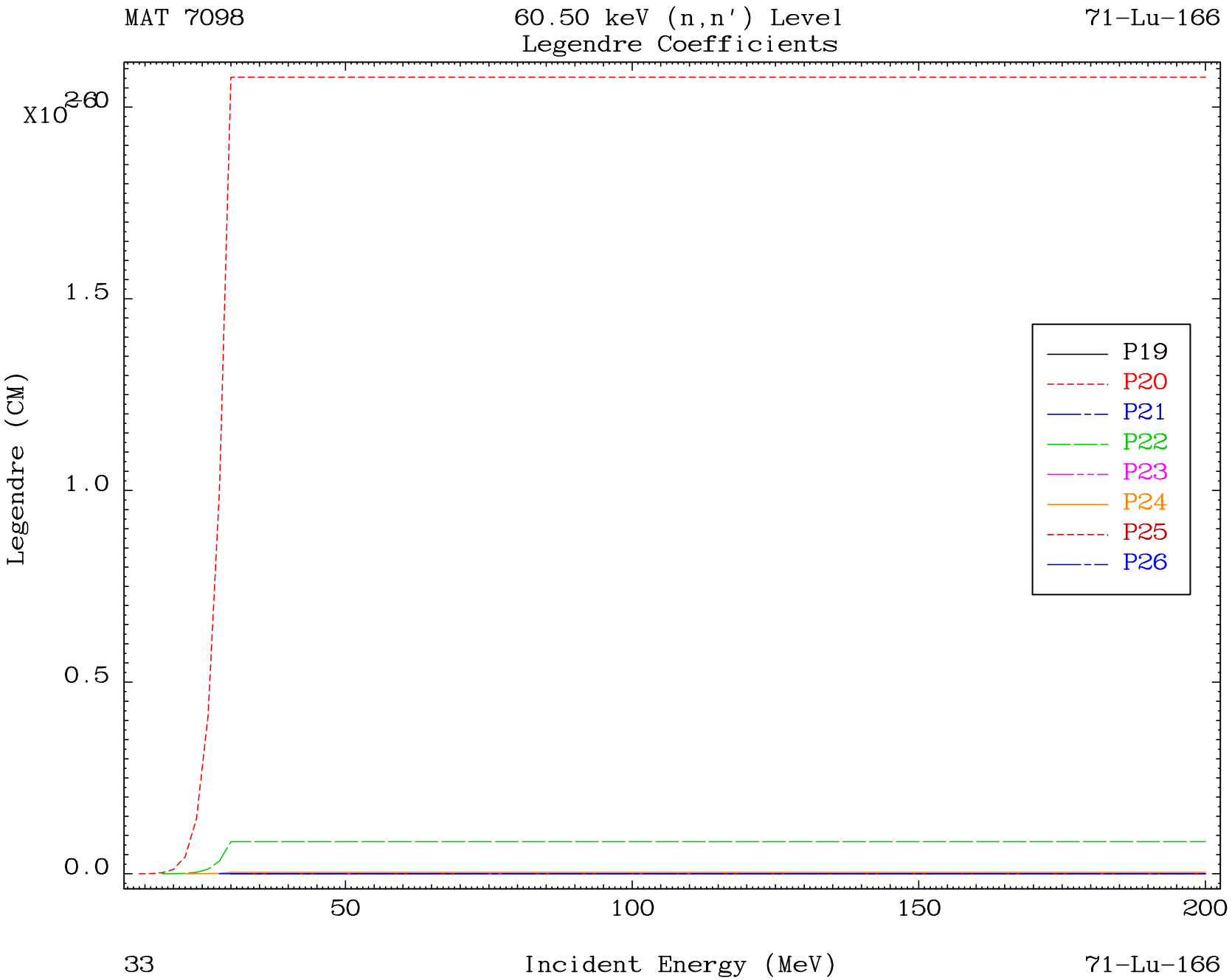

MAT 7098
57.20 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
-0.04
-0.06
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
71-Lu-166

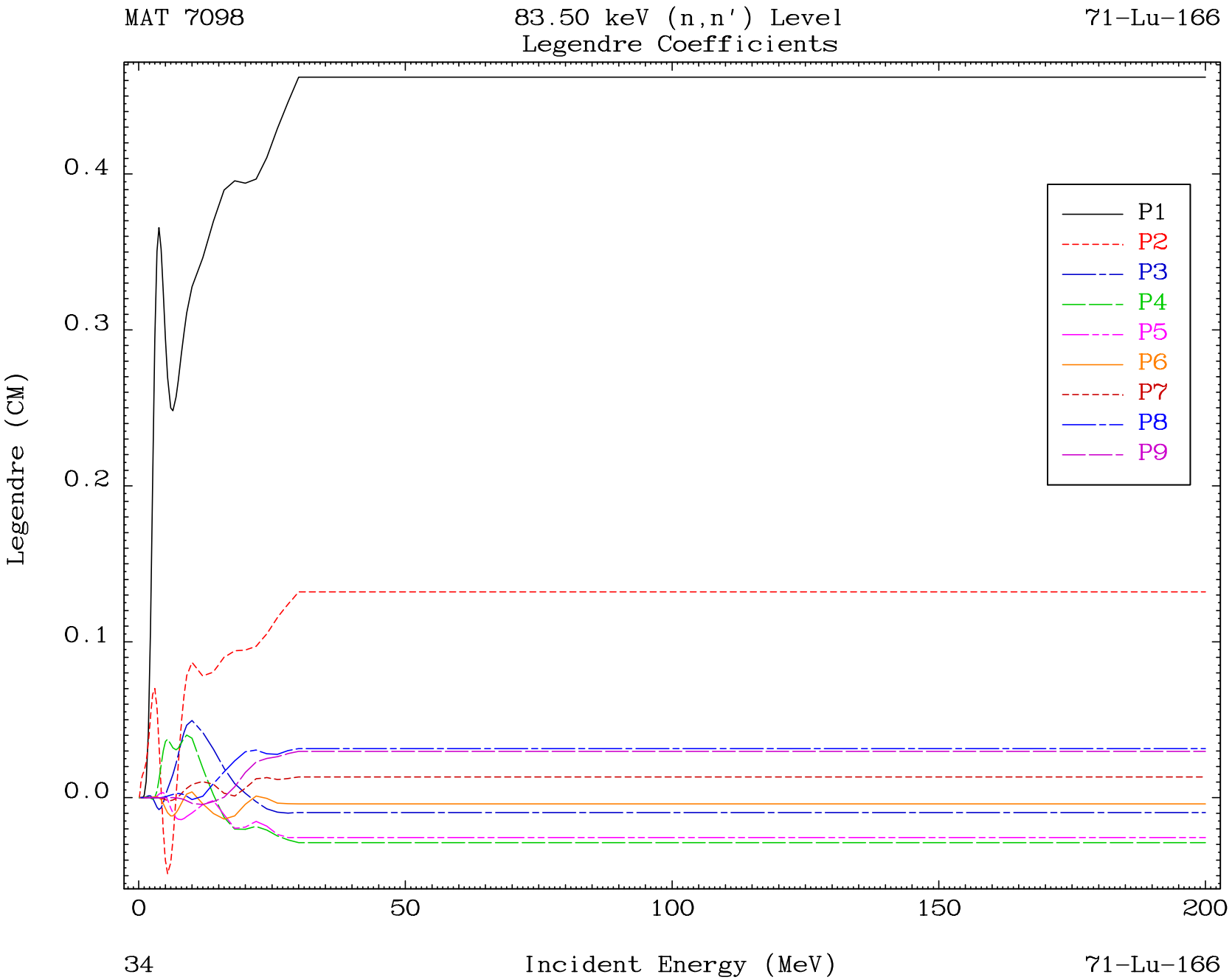

MAT 7098
57.20 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.000
-0.005
-0.010
-0.015
Legendre (CM)
50
100
150
200
29
Incident Energy (MeV)
71-Lu-166
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

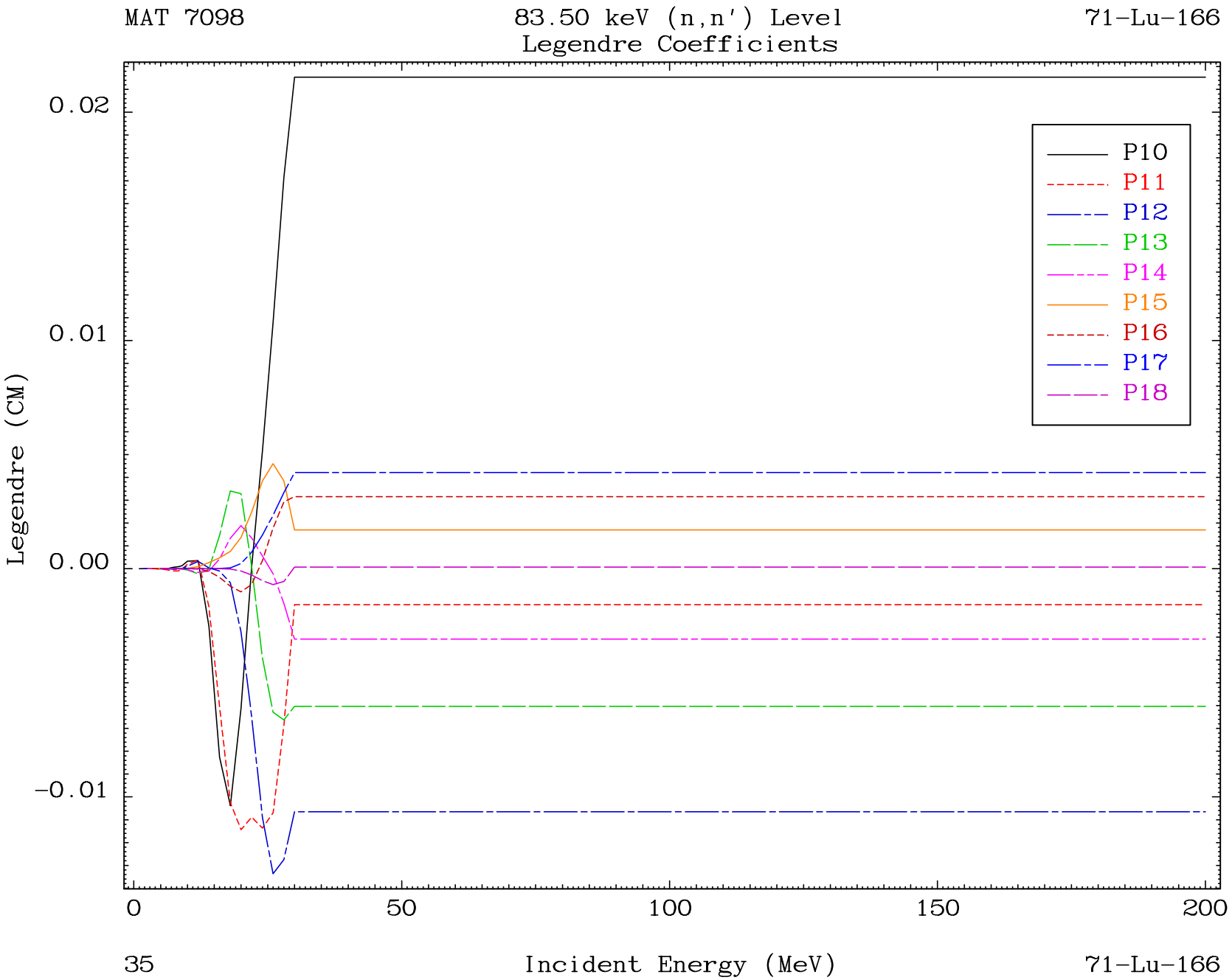

MAT 7098
57.20 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
30
Incident Energy (MeV)
71-Lu-166
P31
P32
P33
P34
P35
P36
P37
P38

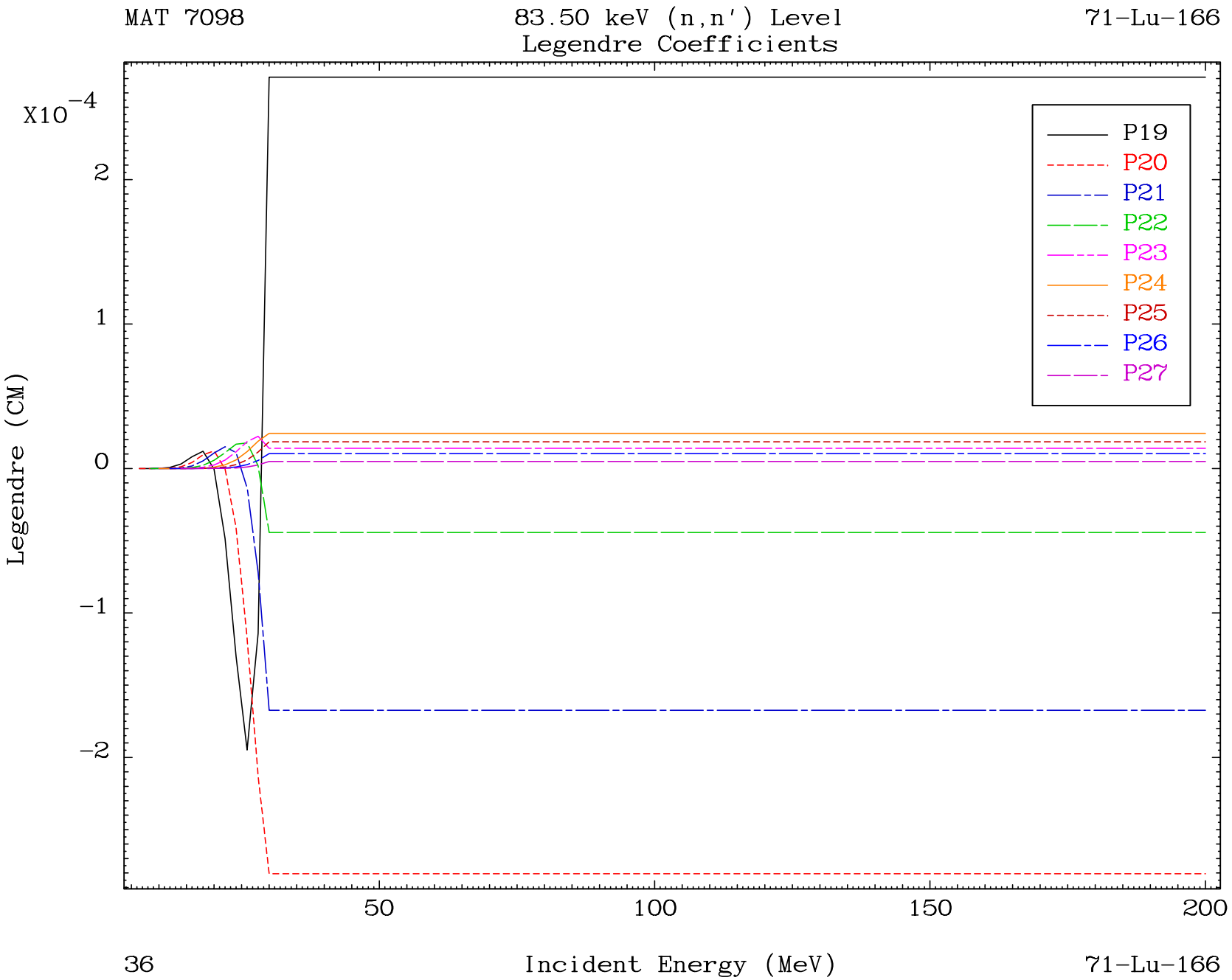

MAT 7098
60.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.03
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
31
Incident Energy (MeV)
71-Lu-166

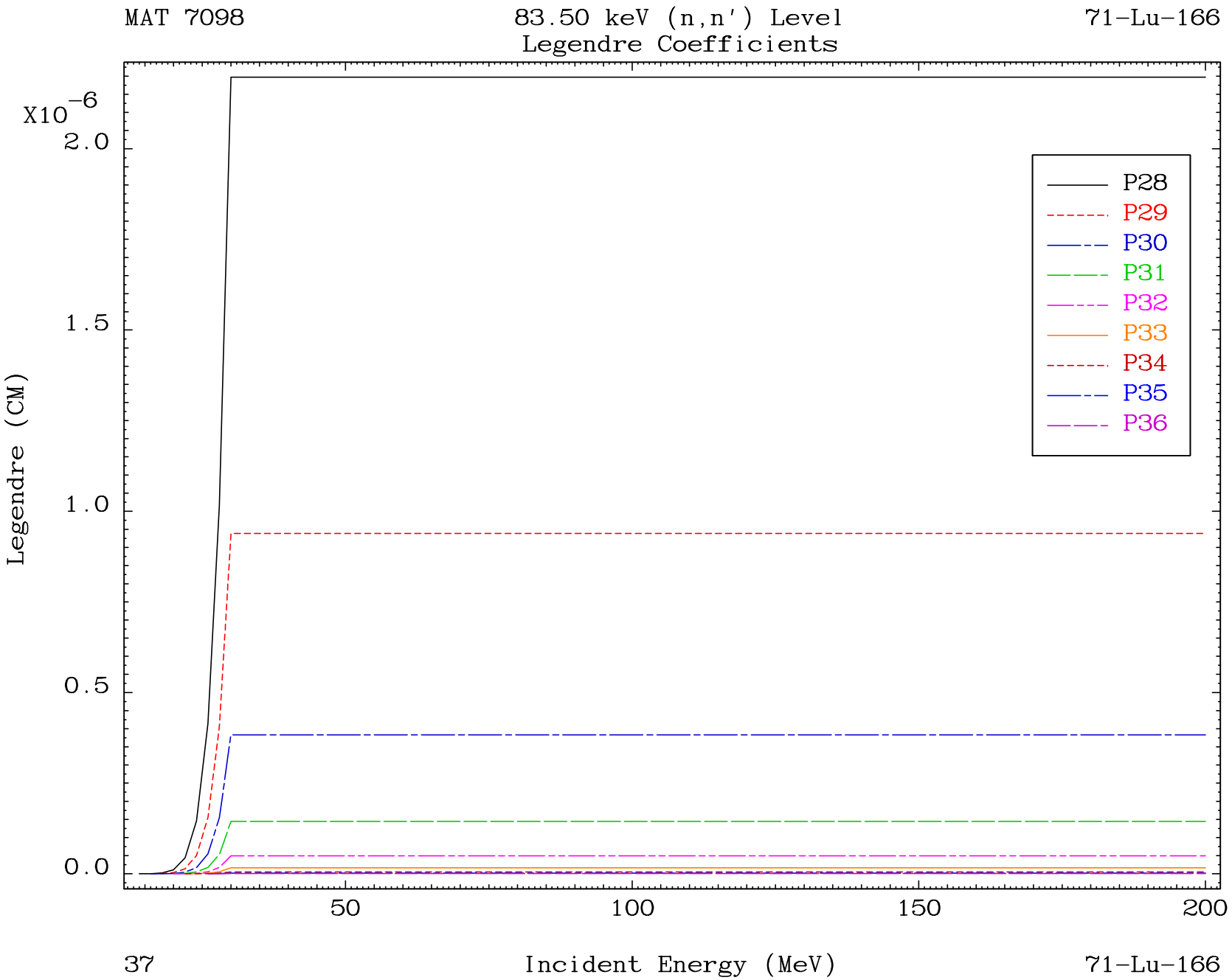

MAT 7098
60.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
1
0
-1
-2
-3
-4
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
32
Incident Energy (MeV)
71-Lu-166

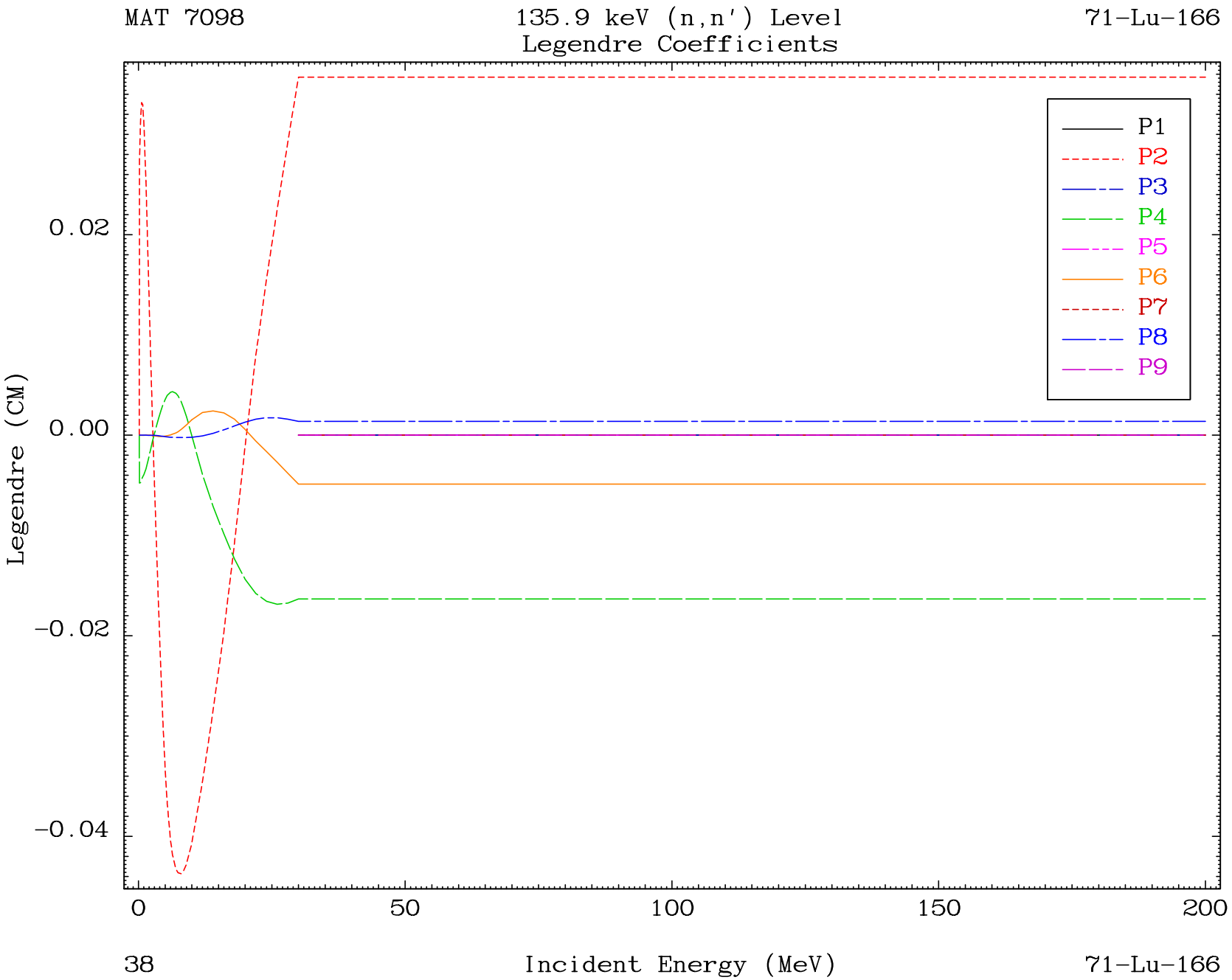

MAT 7098
60.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-2
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
33
Incident Energy (MeV)
71-Lu-166

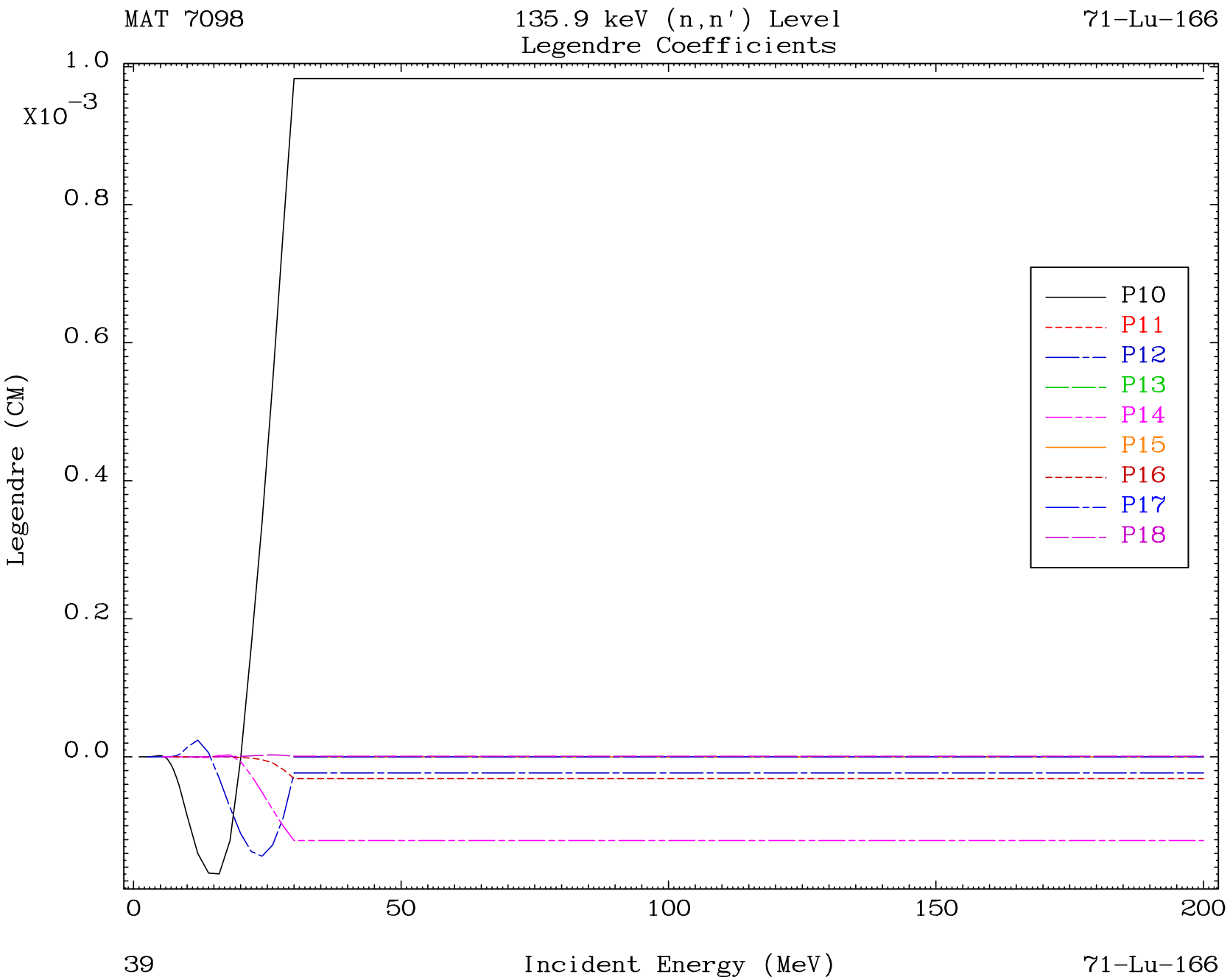

MAT 7098
83.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
34
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

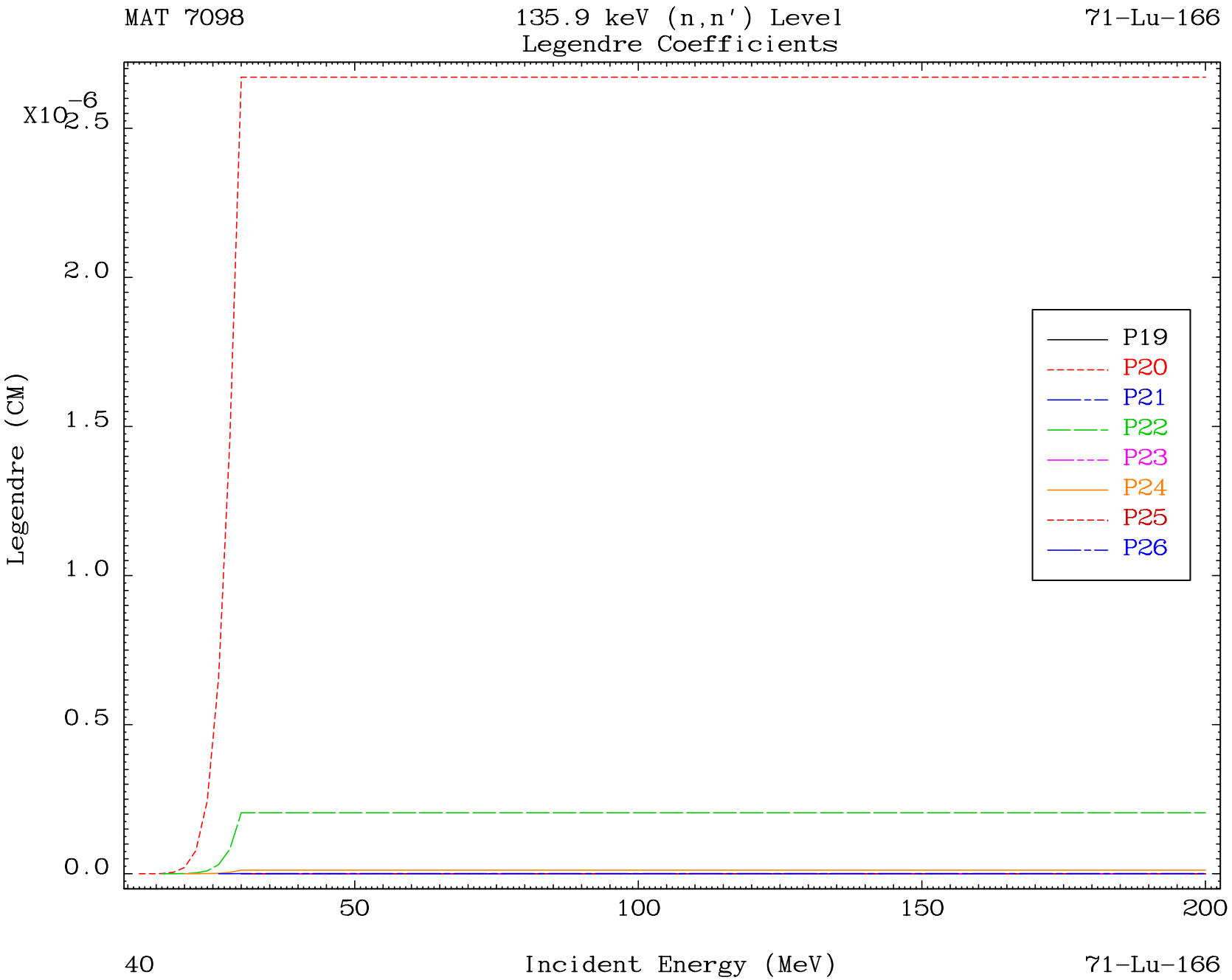

MAT 7098
83.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.02
0.01
0.00
-0.01
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
35
Incident Energy (MeV)
71-Lu-166

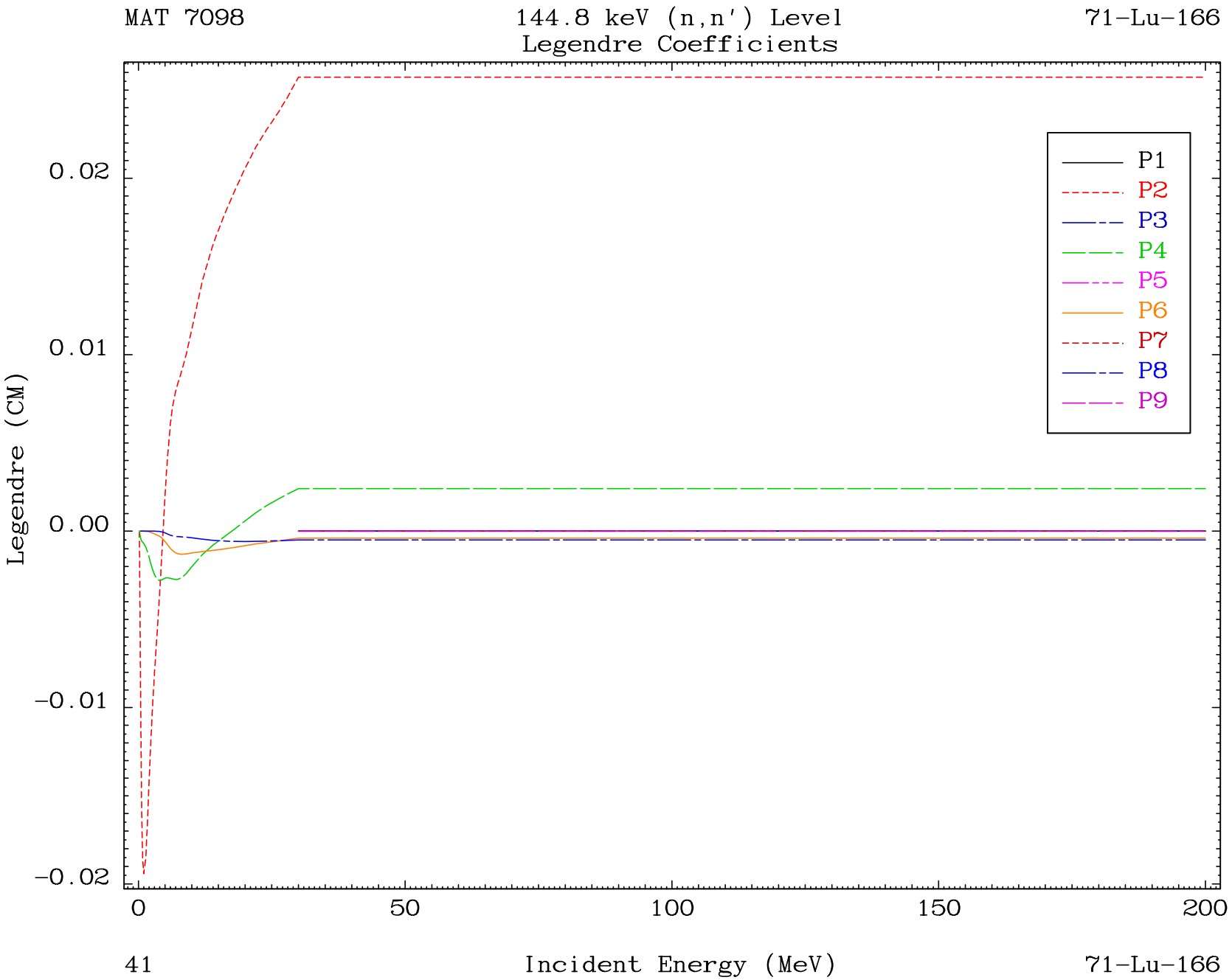

MAT 7098
83.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
2
1
0
-1
-2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
36
Incident Energy (MeV)
71-Lu-166

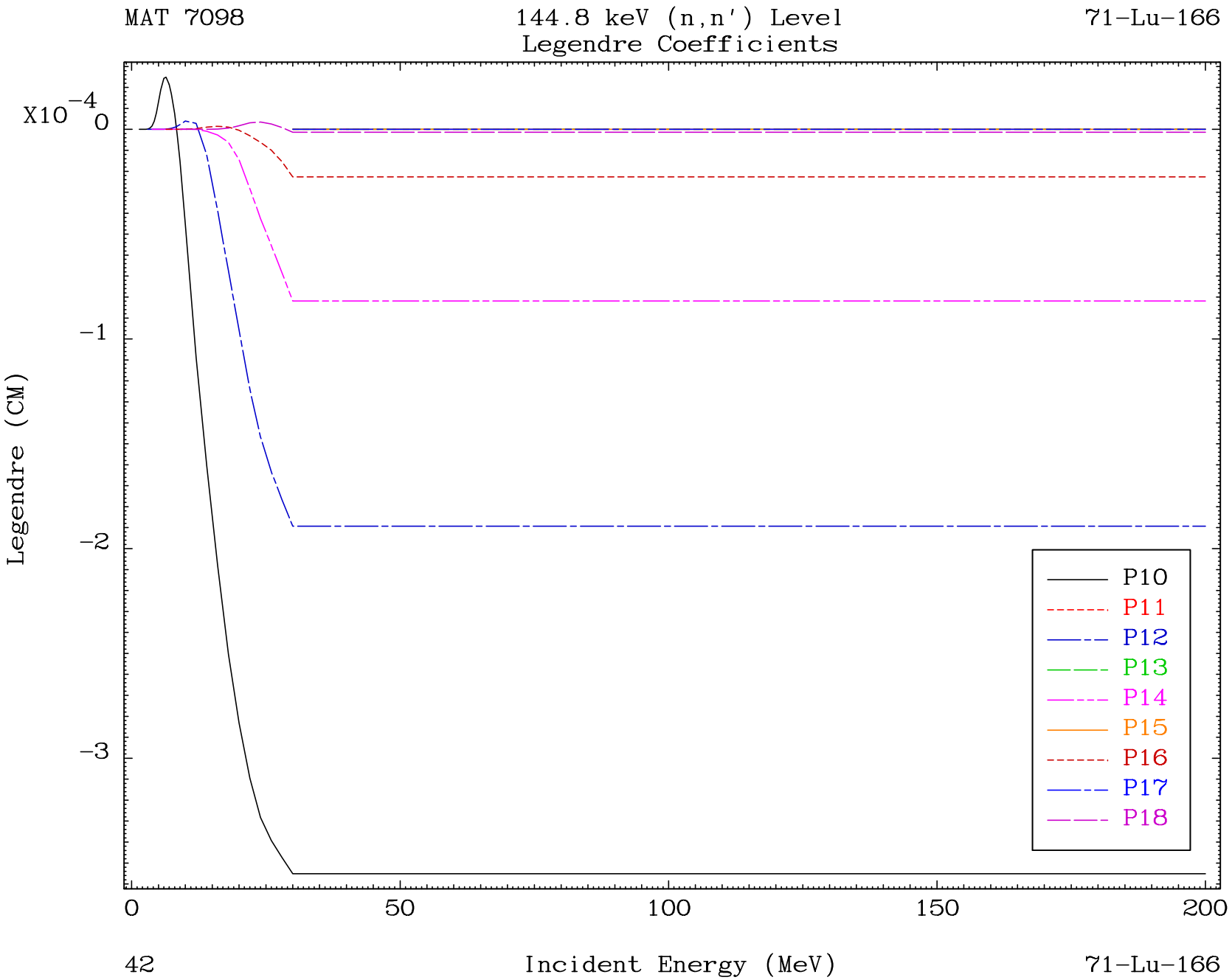

MAT 7098
83.50 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
37
Incident Energy (MeV)
71-Lu-166

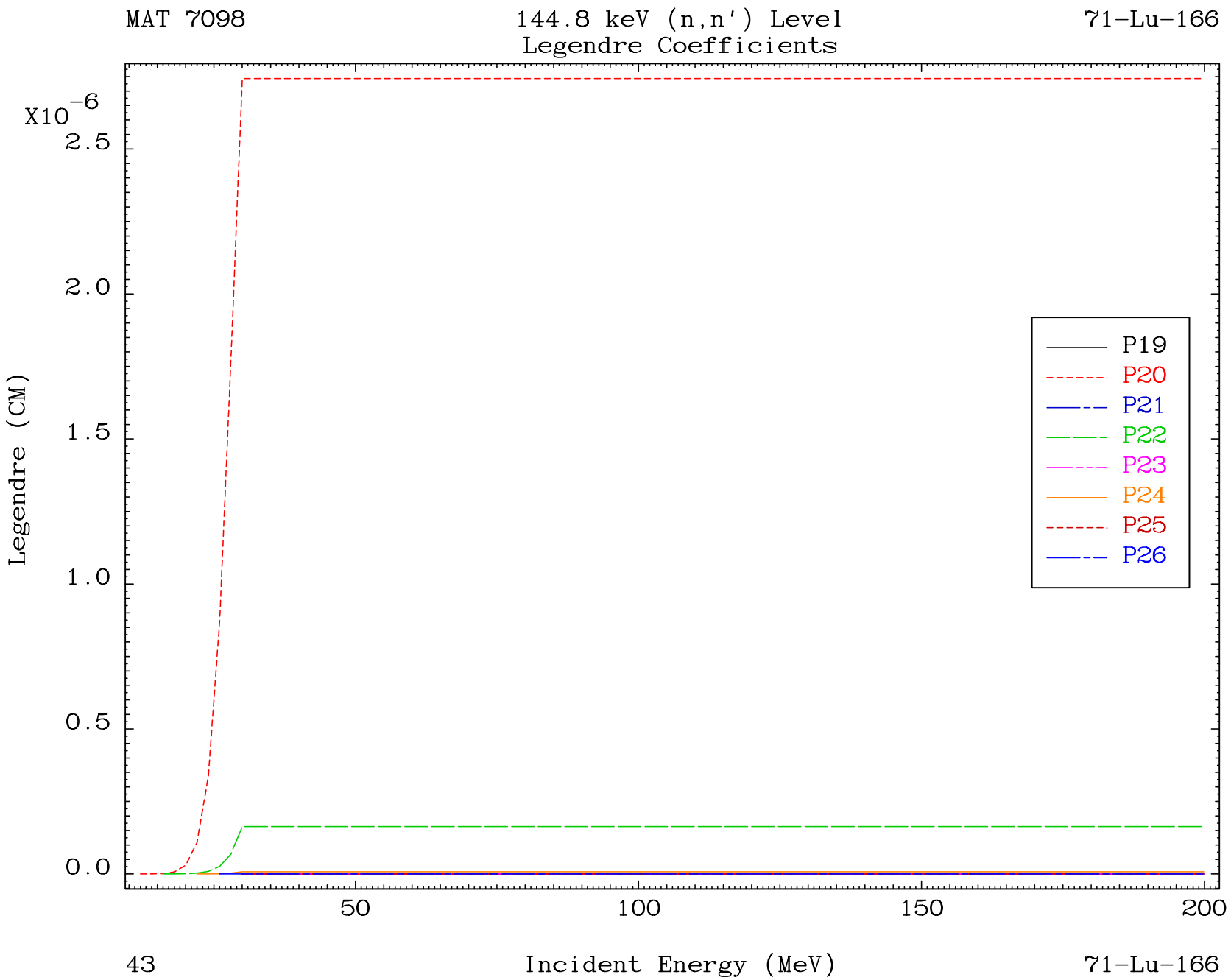

MAT 7098
135.9 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
38
Incident Energy (MeV)
71-Lu-166

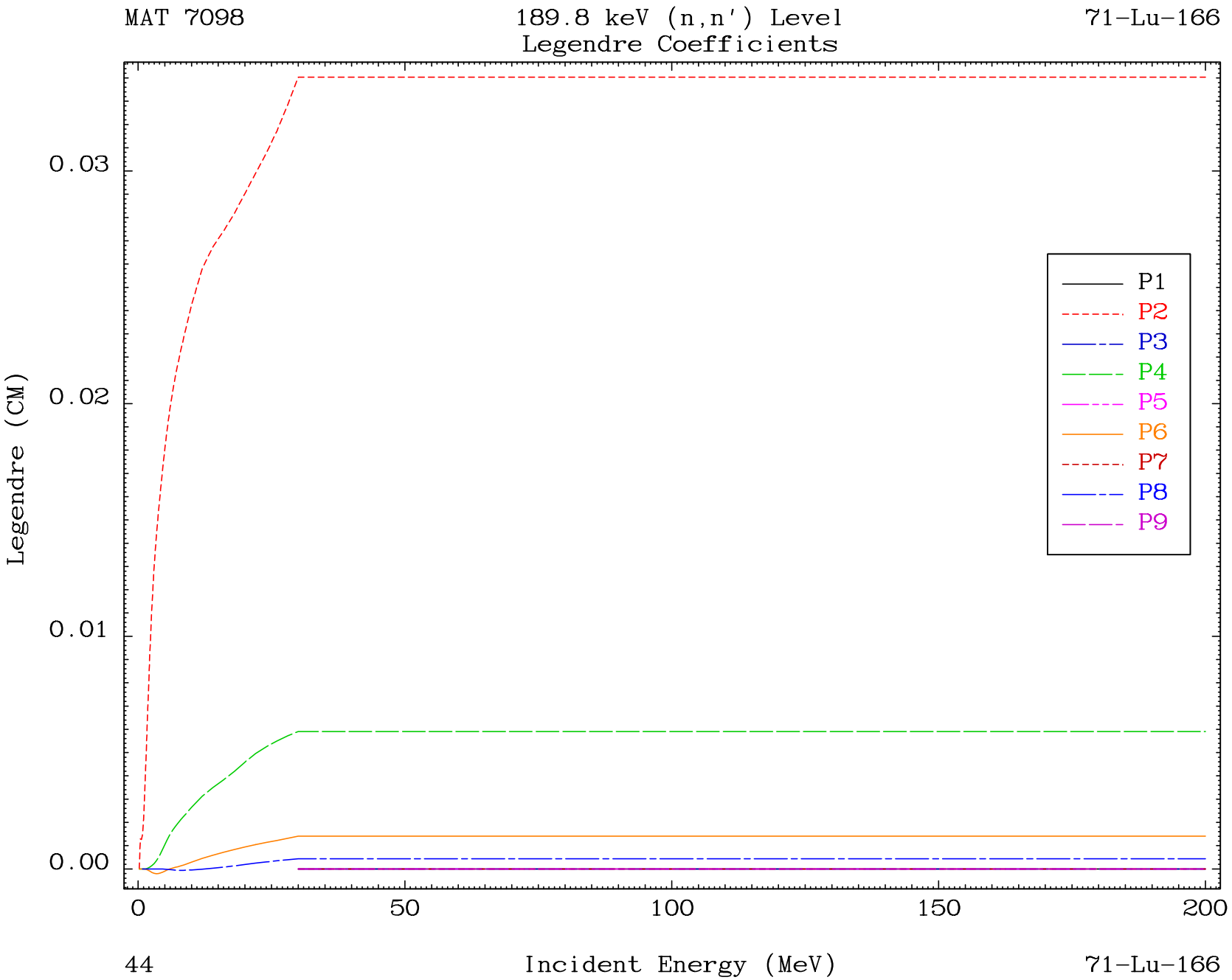

MAT 7098
135.9 keV (n,n') Level
Legendre Coefficients
71-Lu-166
1.0
X10-3
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
39
Incident Energy (MeV)
71-Lu-166

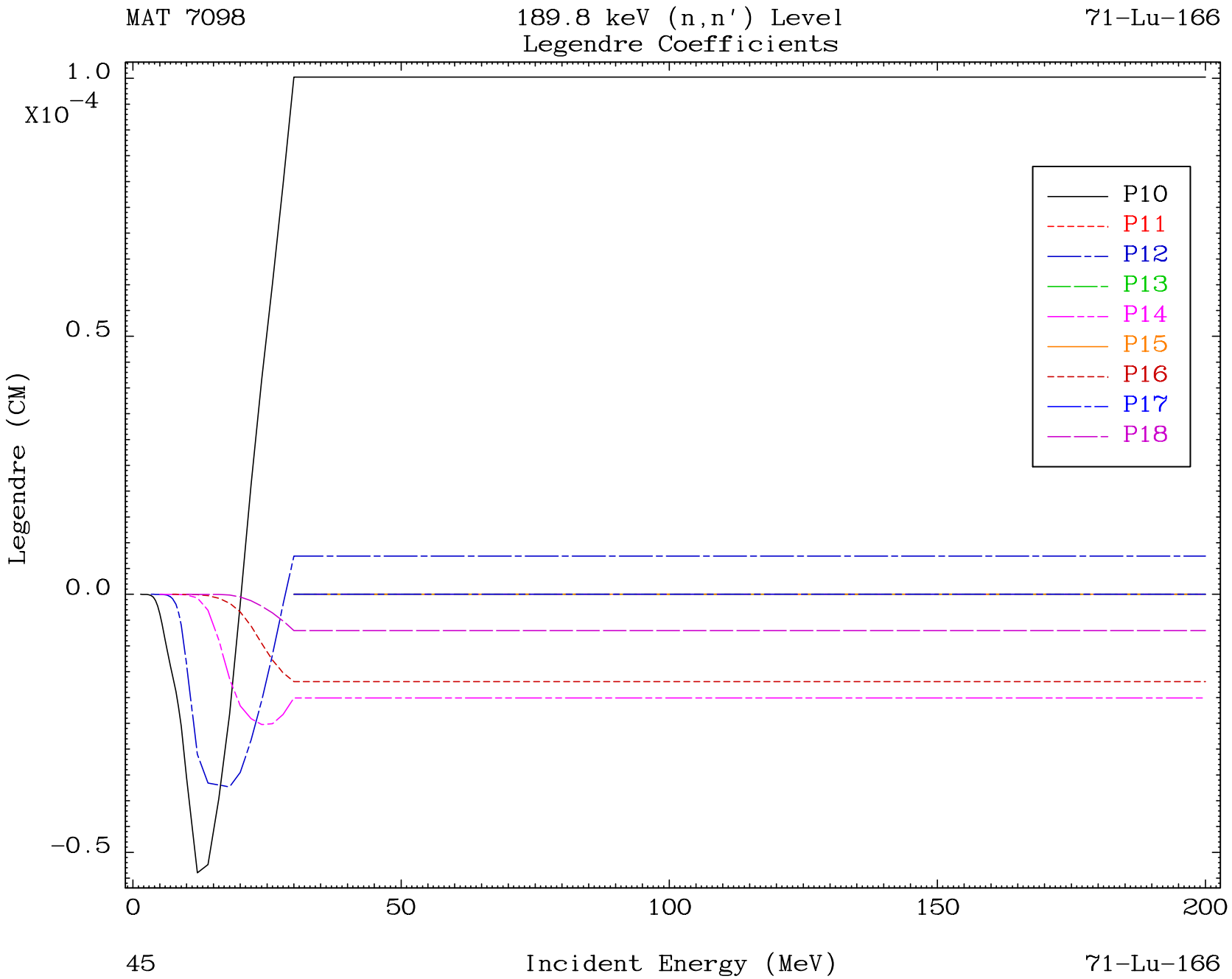

MAT 7098
135.9 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
40
50
100
150
200
Incident Energy (MeV)
71-Lu-166

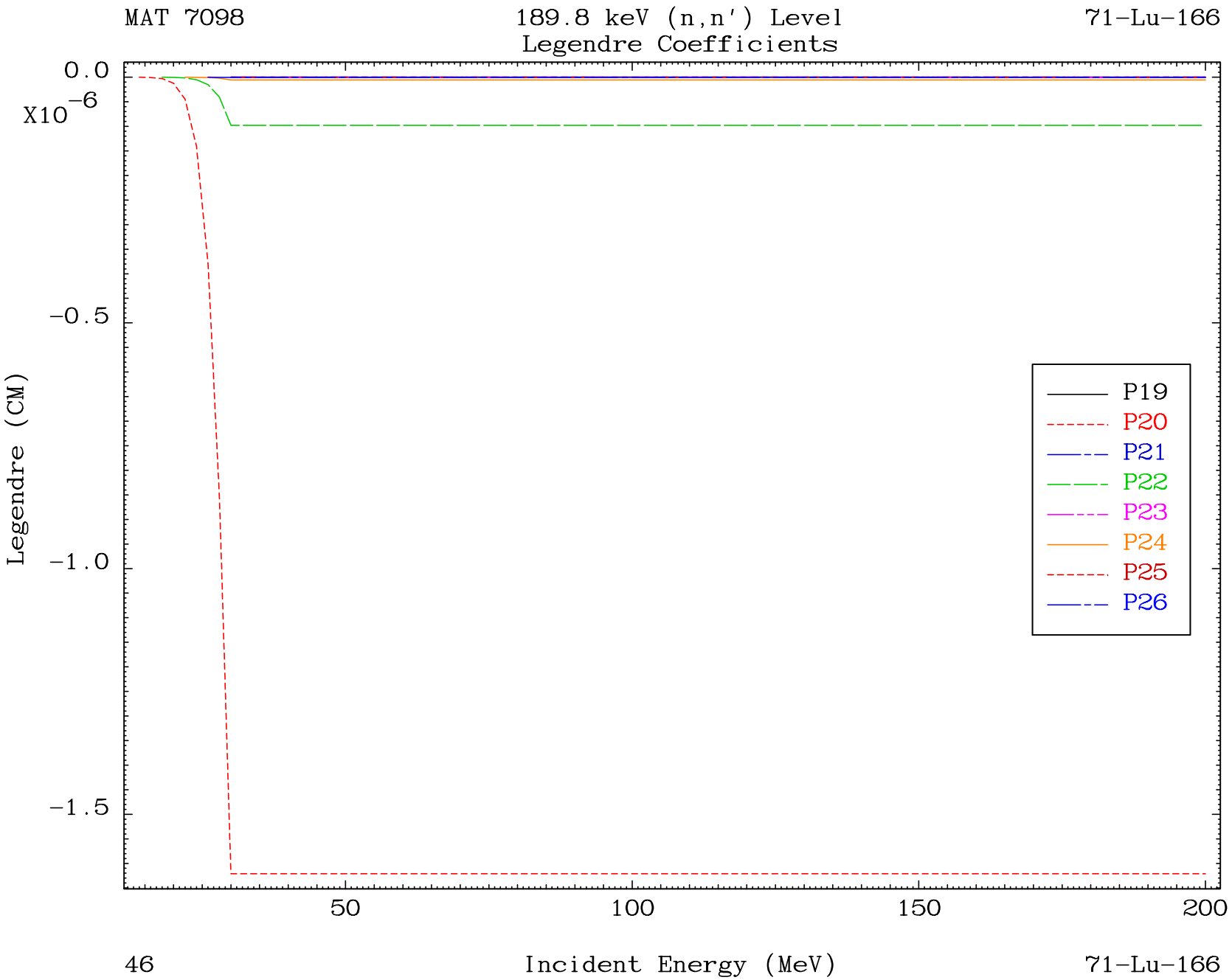

MAT 7098
144.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
41
Incident Energy (MeV)
71-Lu-166

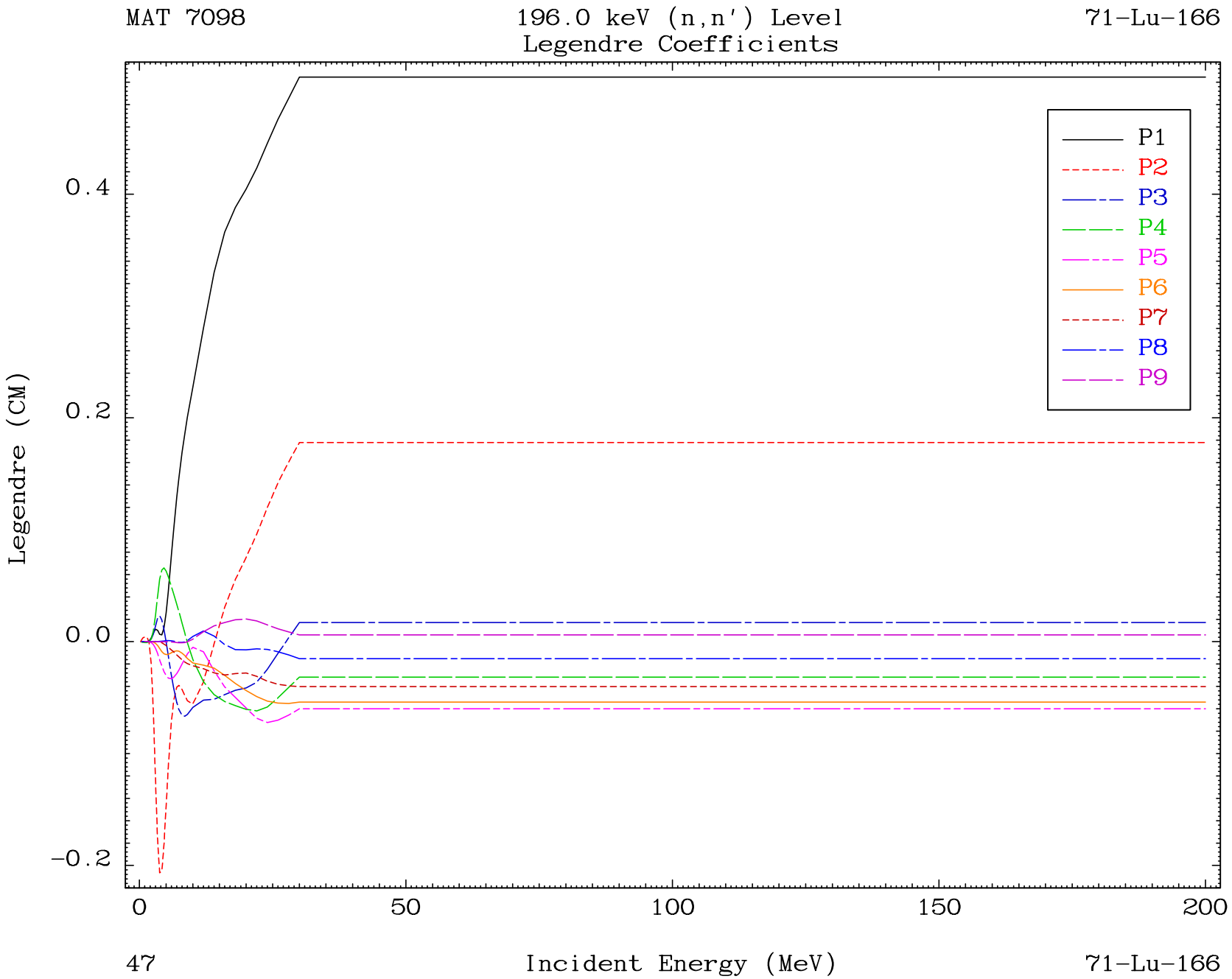

MAT 7098
144.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
0
-1
-2
-3
Legendre (CM)
0
50
100
150
200
42
Incident Energy (MeV)
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18

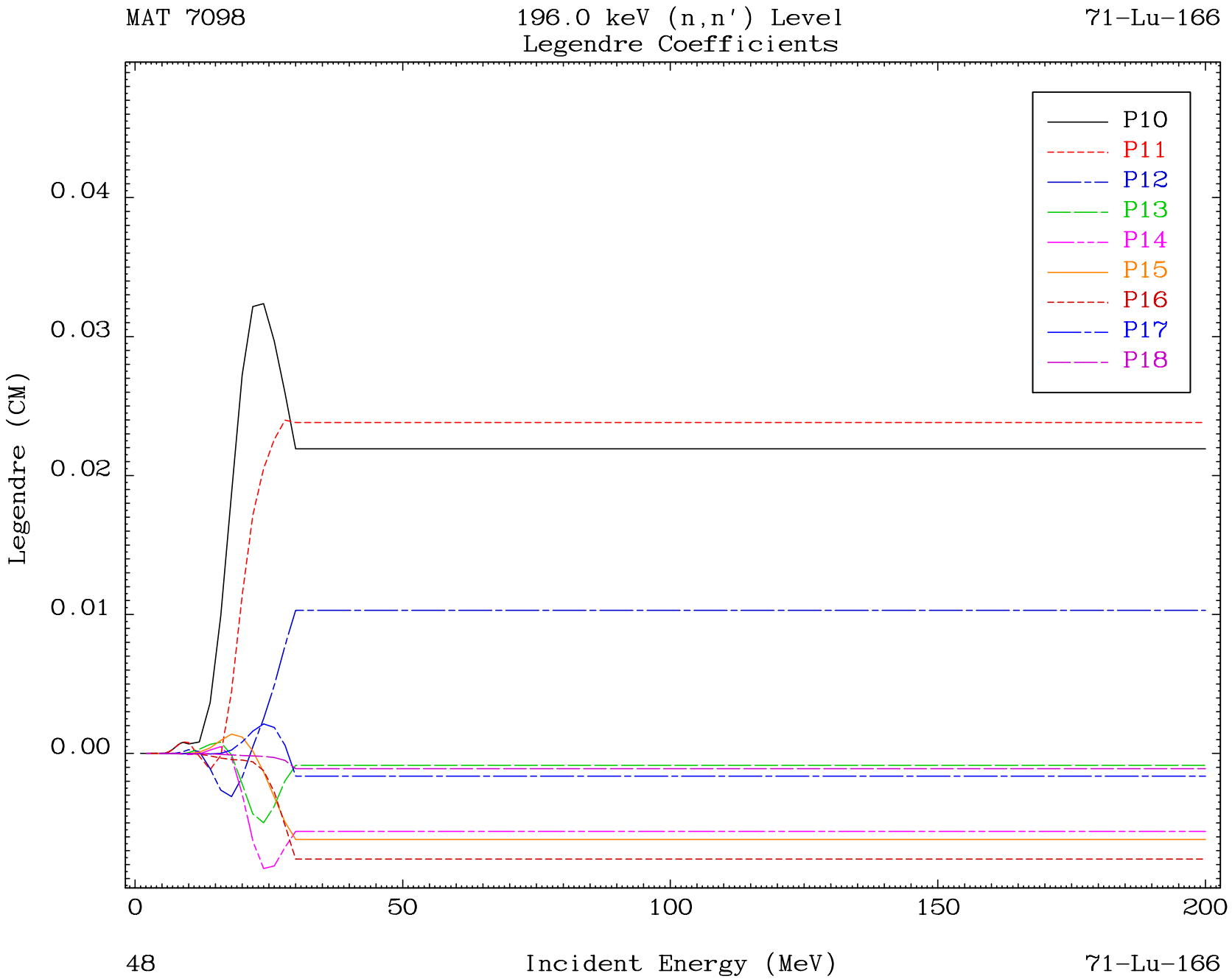

MAT 7098
144.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
43
Incident Energy (MeV)
71-Lu-166

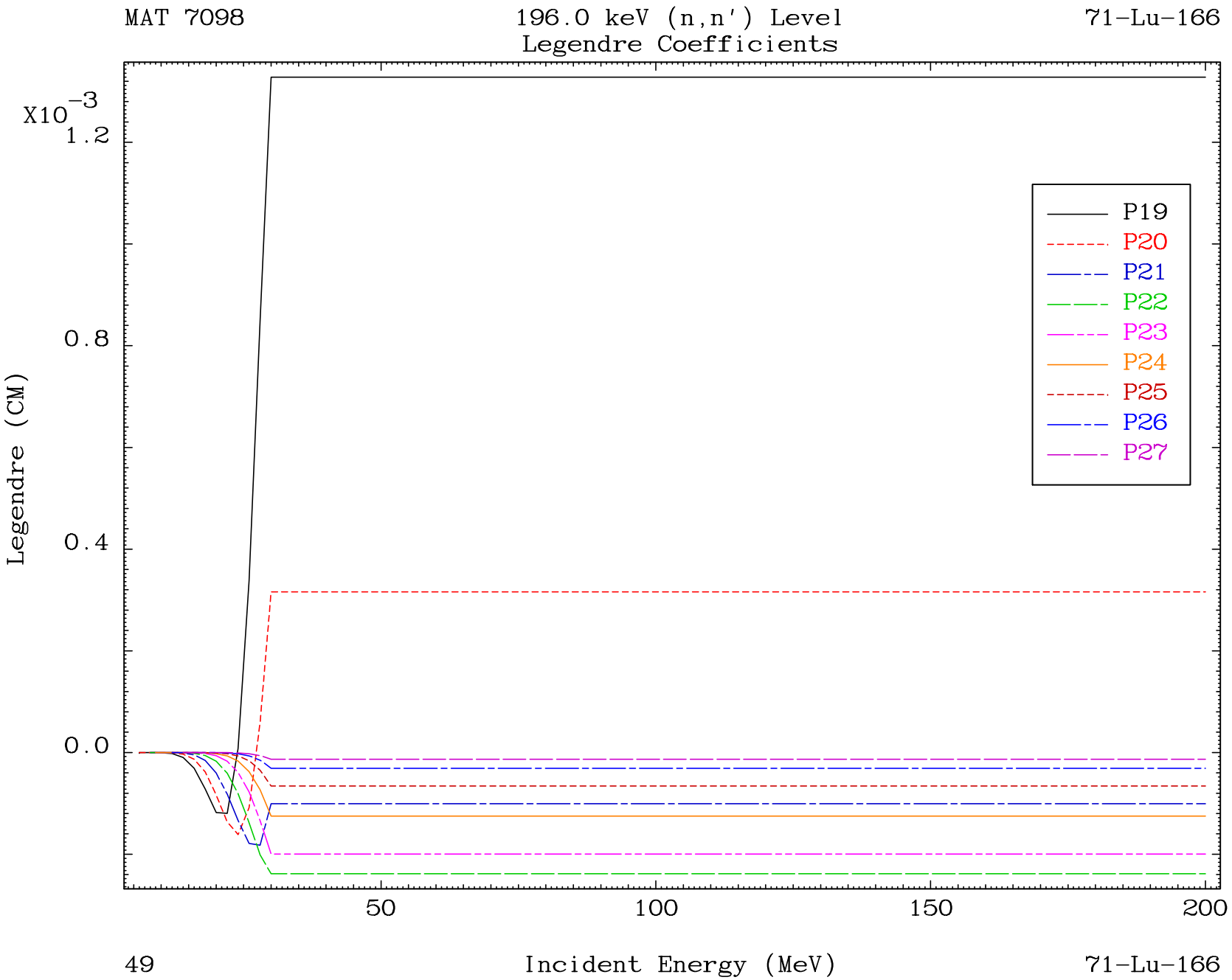

MAT 7098
189.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.03
0.02
0.01
0.00
0
50
100
150
200
Incident Energy (MeV)
44
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

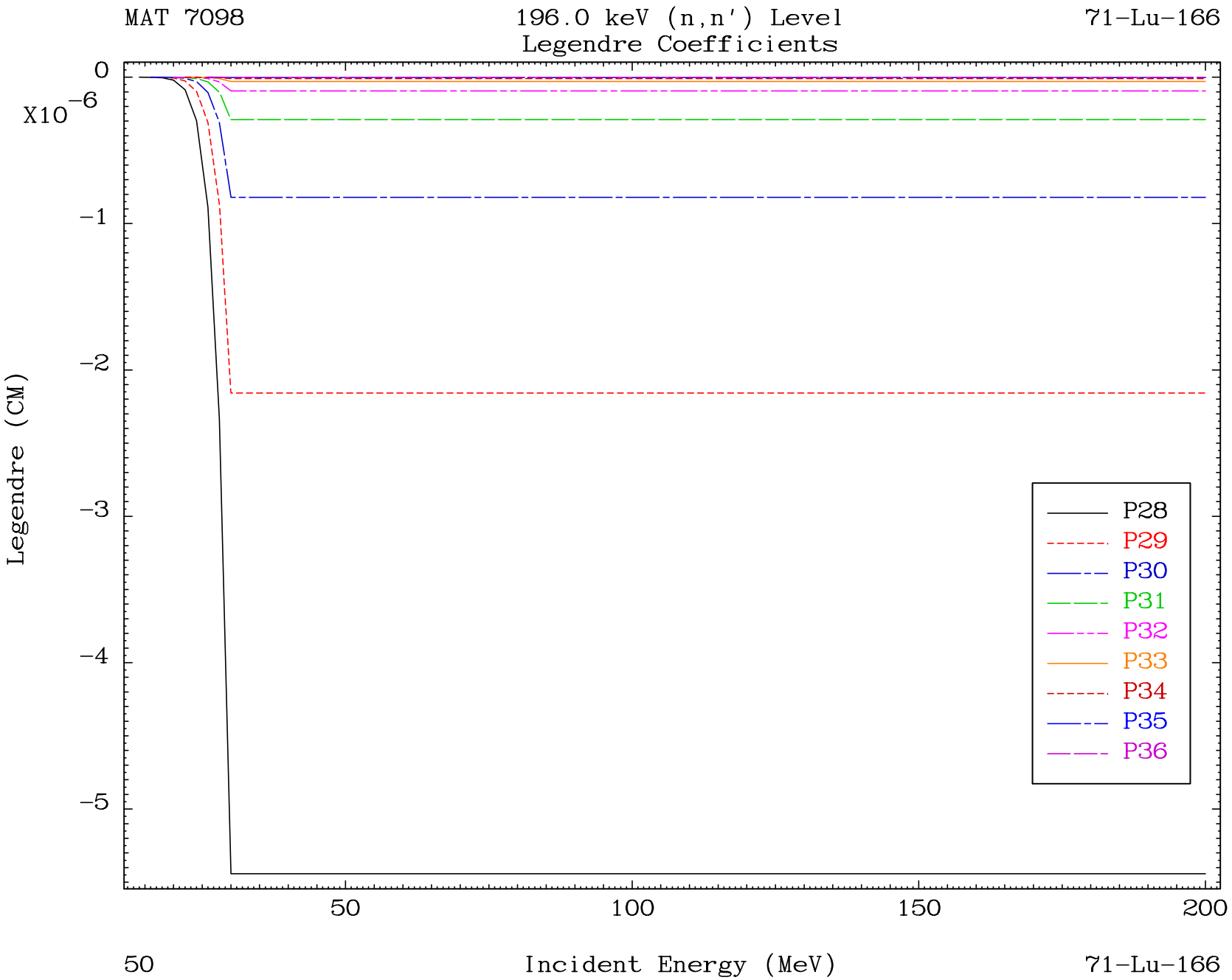

MAT 7098
189.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
1.0
X10^-4
0.5
0.0
-0.5
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
45
Incident Energy (MeV)
71-Lu-166

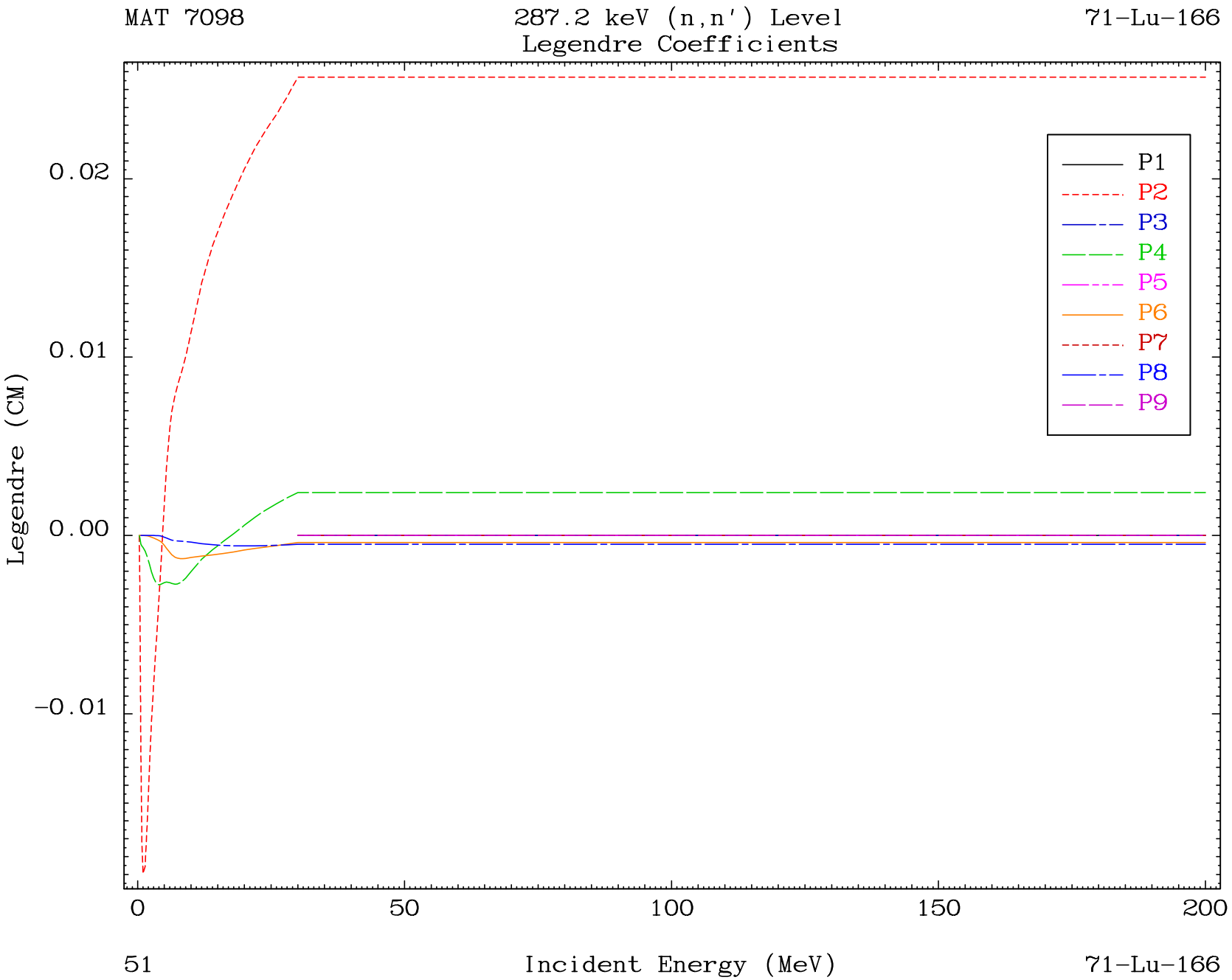

MAT 7098
189.8 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
46
Incident Energy (MeV)
71-Lu-166

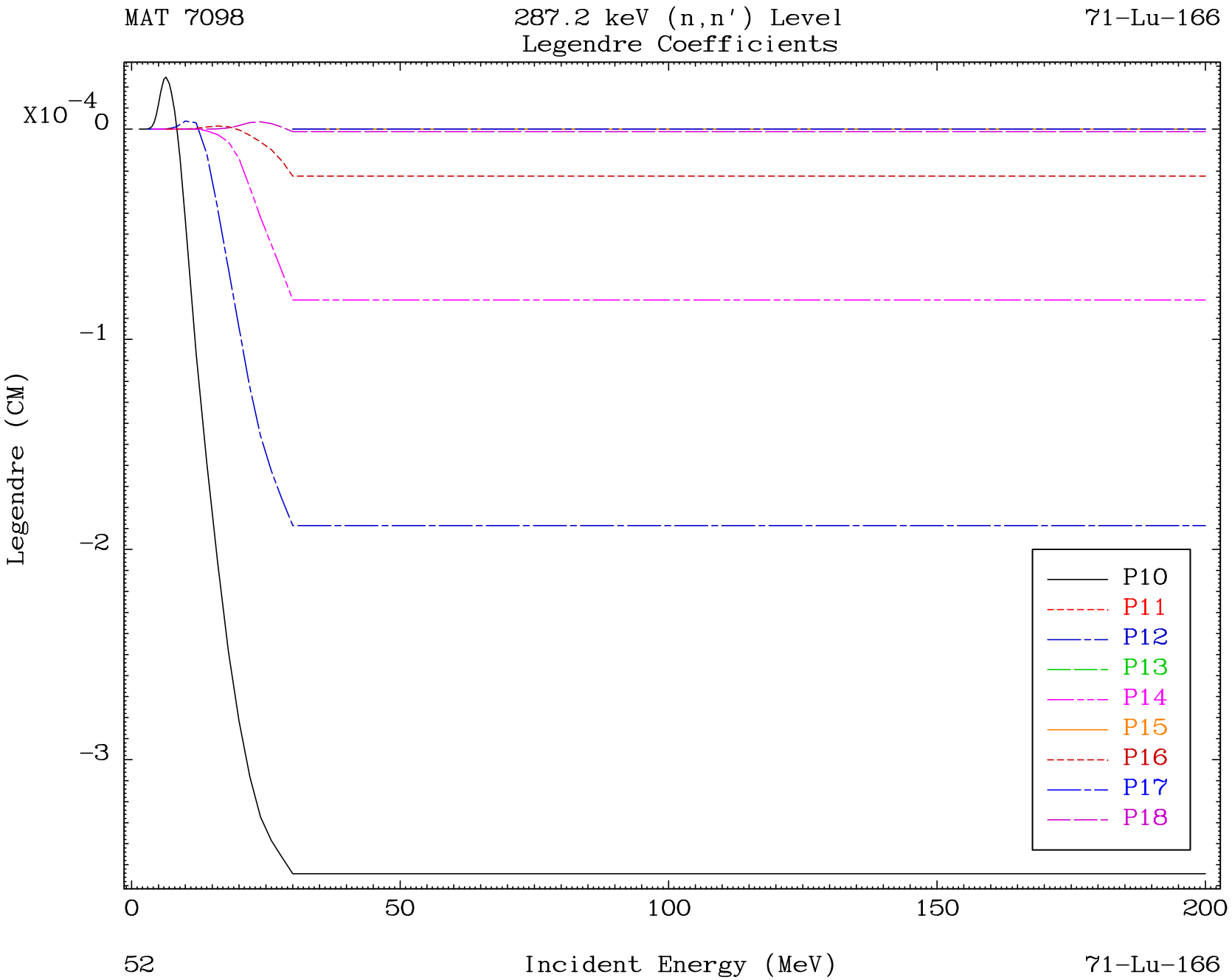

MAT 7098
196.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.4
0.2
0.0
-0.2
0
50
100
150
200
47
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

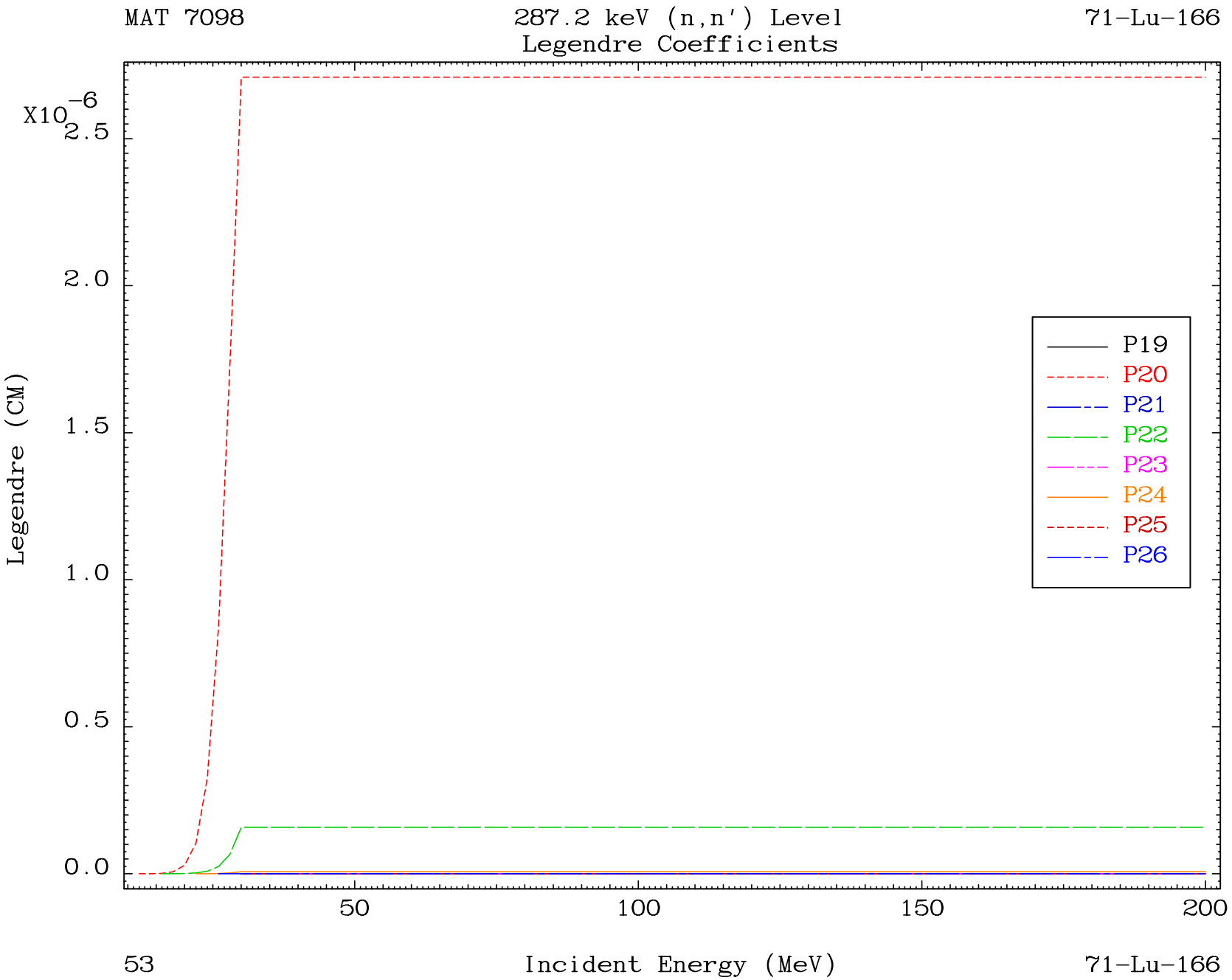

MAT 7098
196.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
71-Lu-166

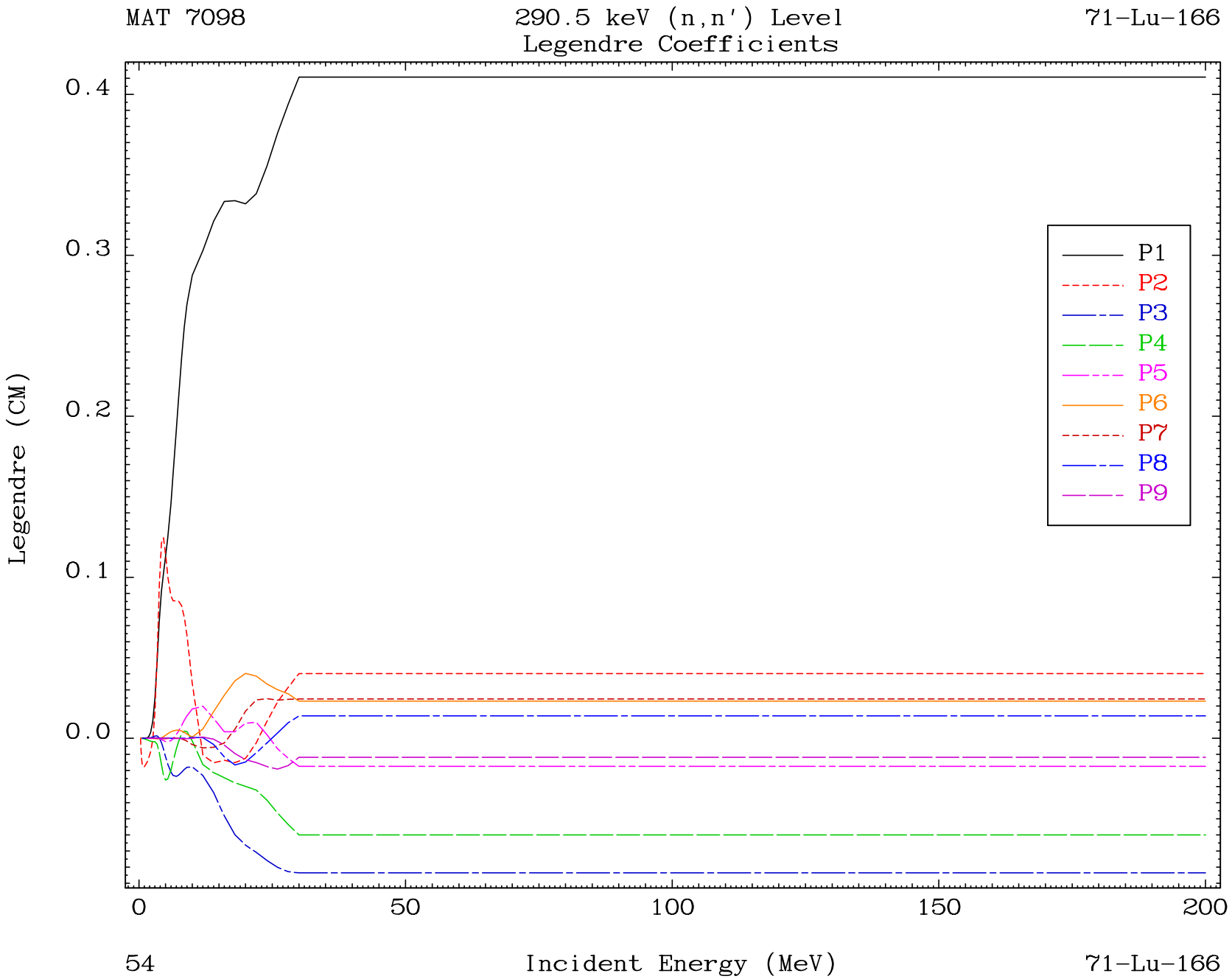

MAT 7098
196.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-3
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
49
Incident Energy (MeV)
71-Lu-166

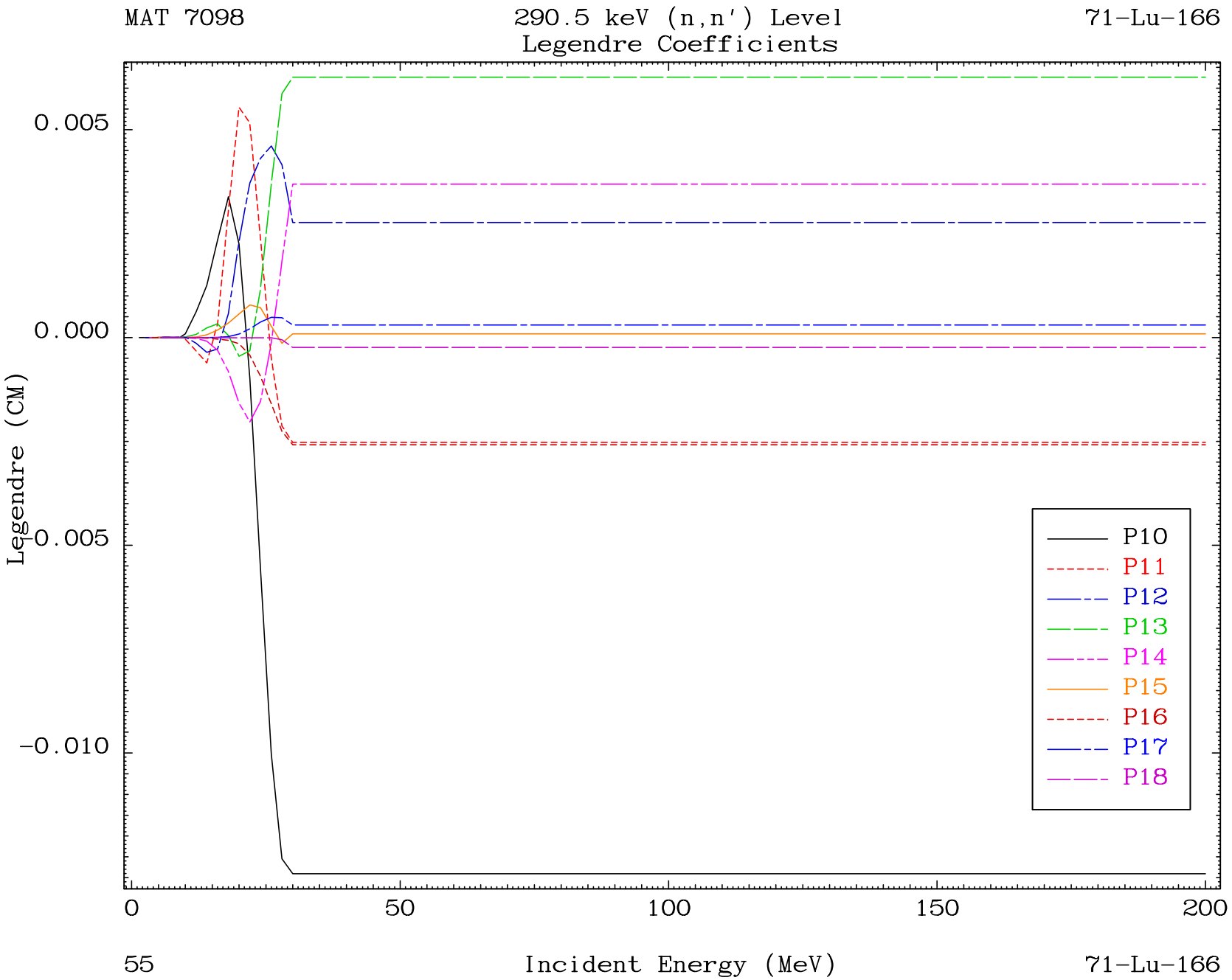

MAT 7098
196.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0
X10^-6
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
50
Incident Energy (MeV)
71-Lu-166
P28
P29
P30
P31
P32
P33
P34
P35
P36

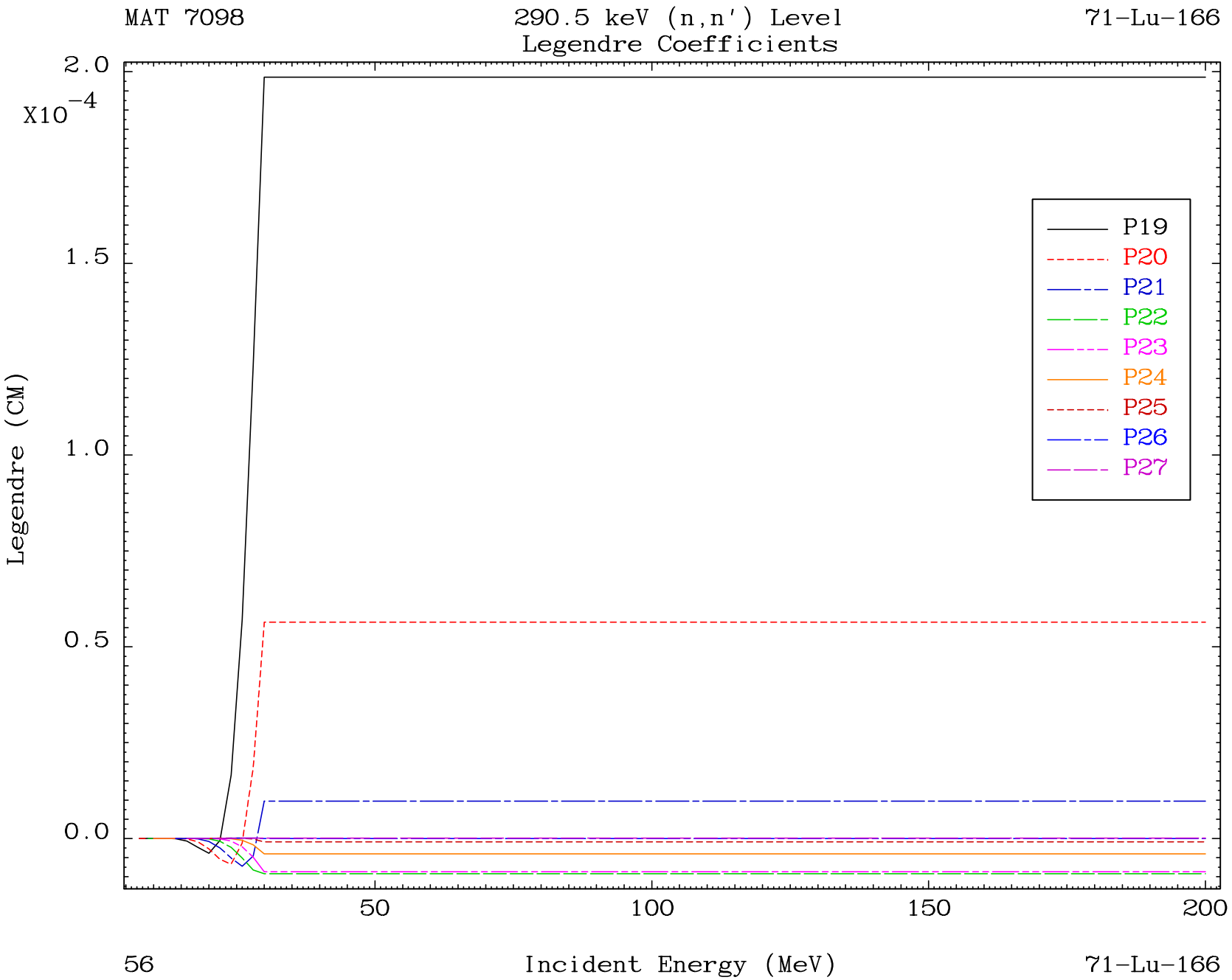

MAT 7098
287.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.02
0.01
0.00
-0.01
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
51
Incident Energy (MeV)
71-Lu-166

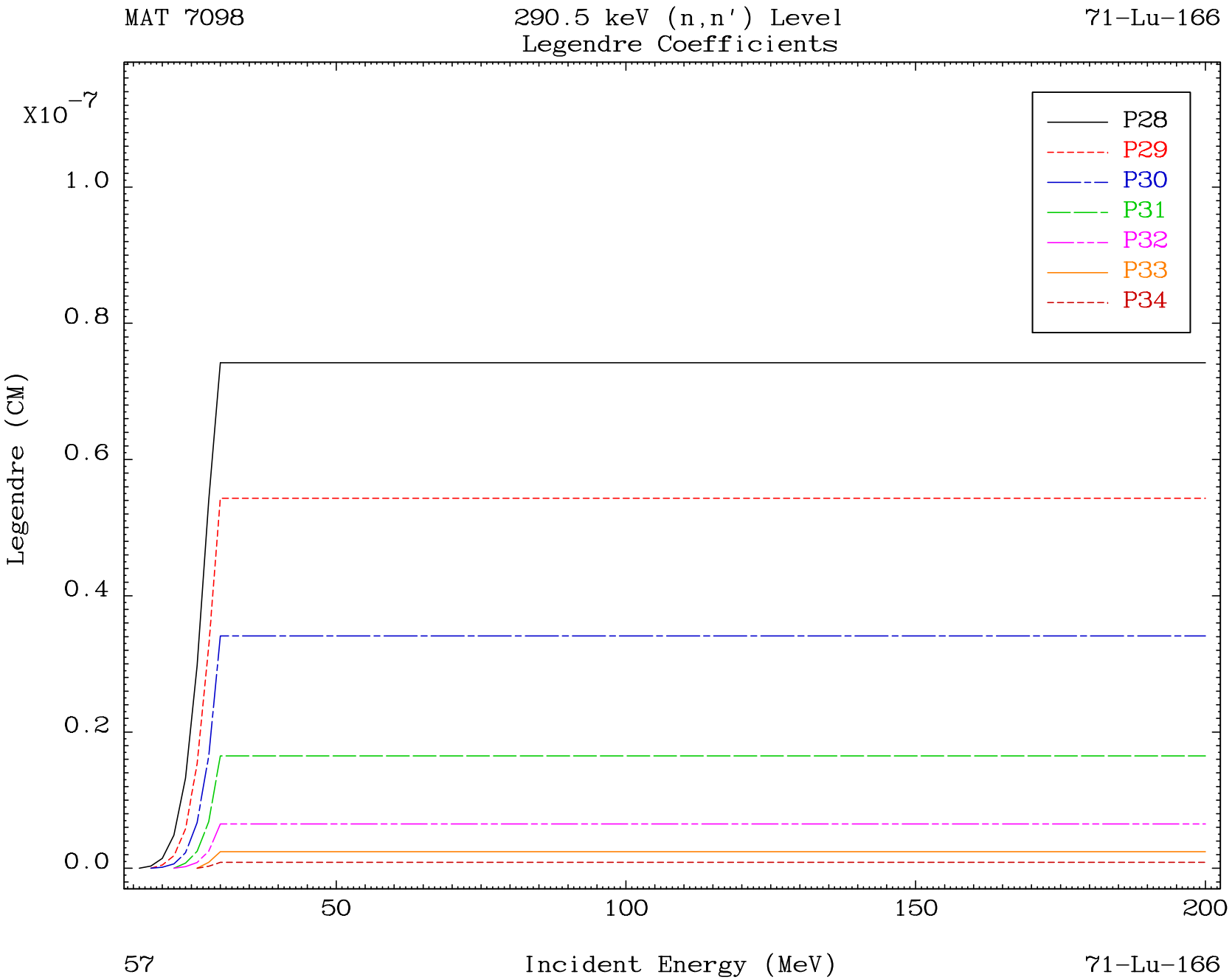

MAT 7098
287.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
0
-1
-2
-3
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18

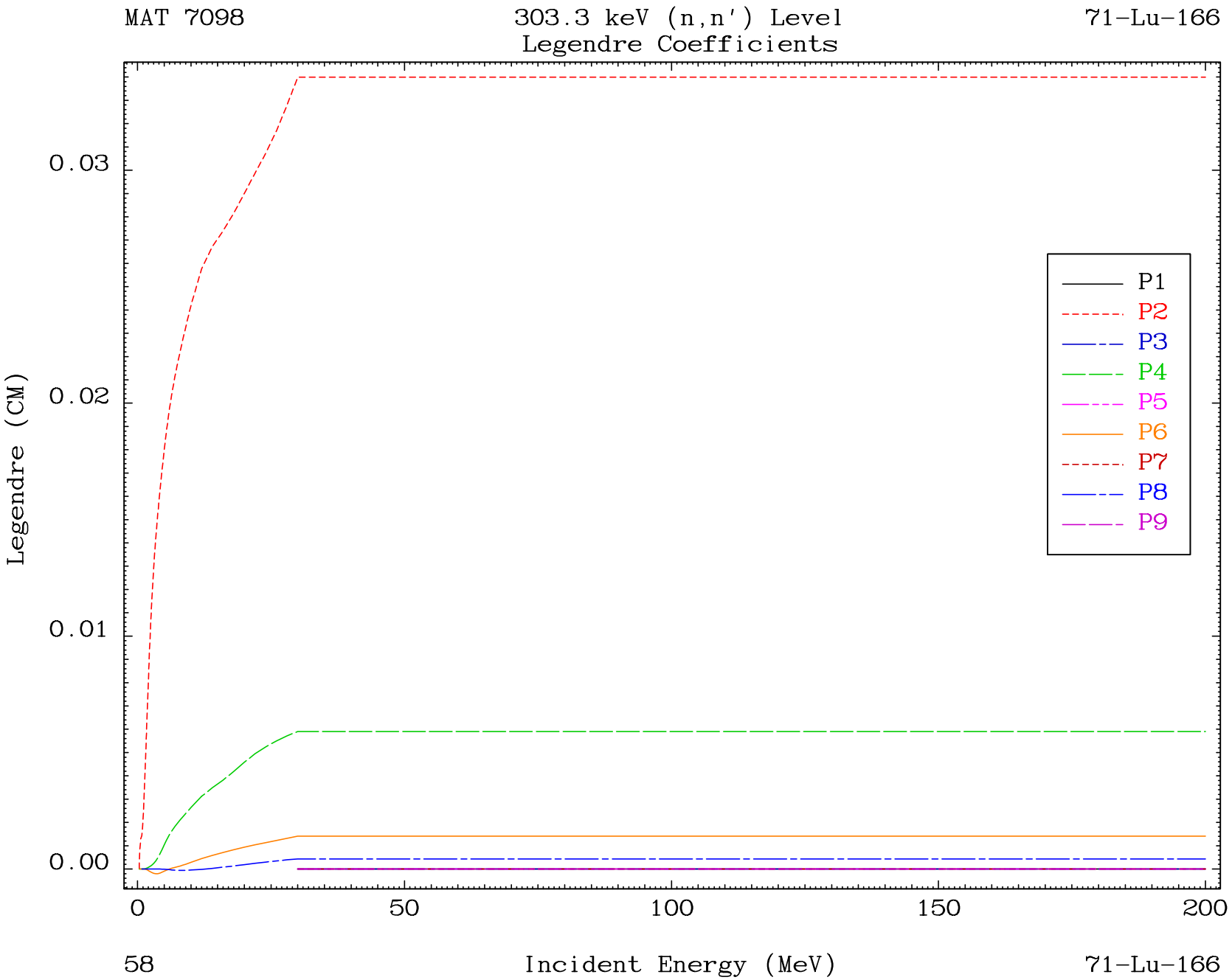

MAT 7098
287.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
53
Incident Energy (MeV)
71-Lu-166

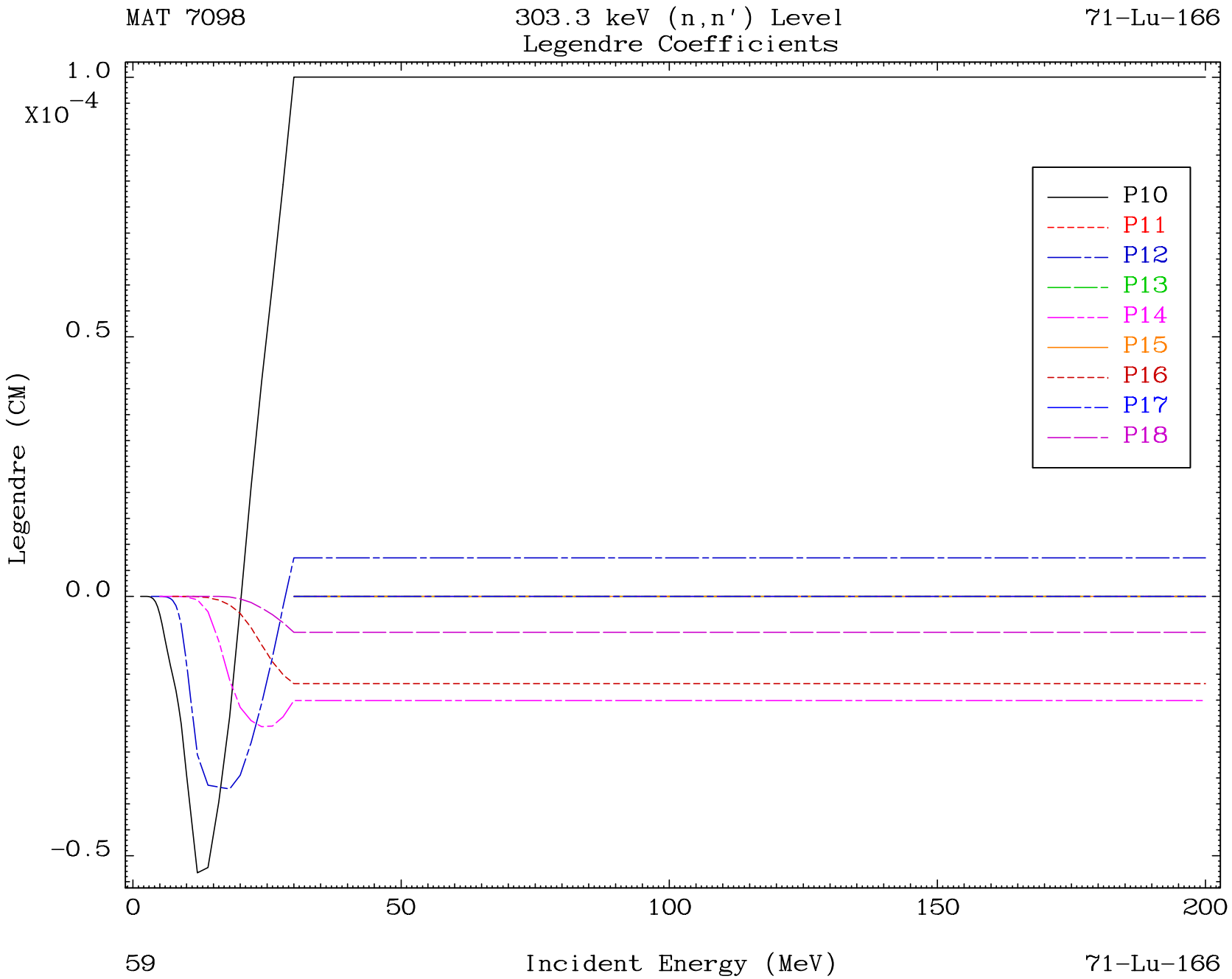

MAT 7098
290.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
54
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

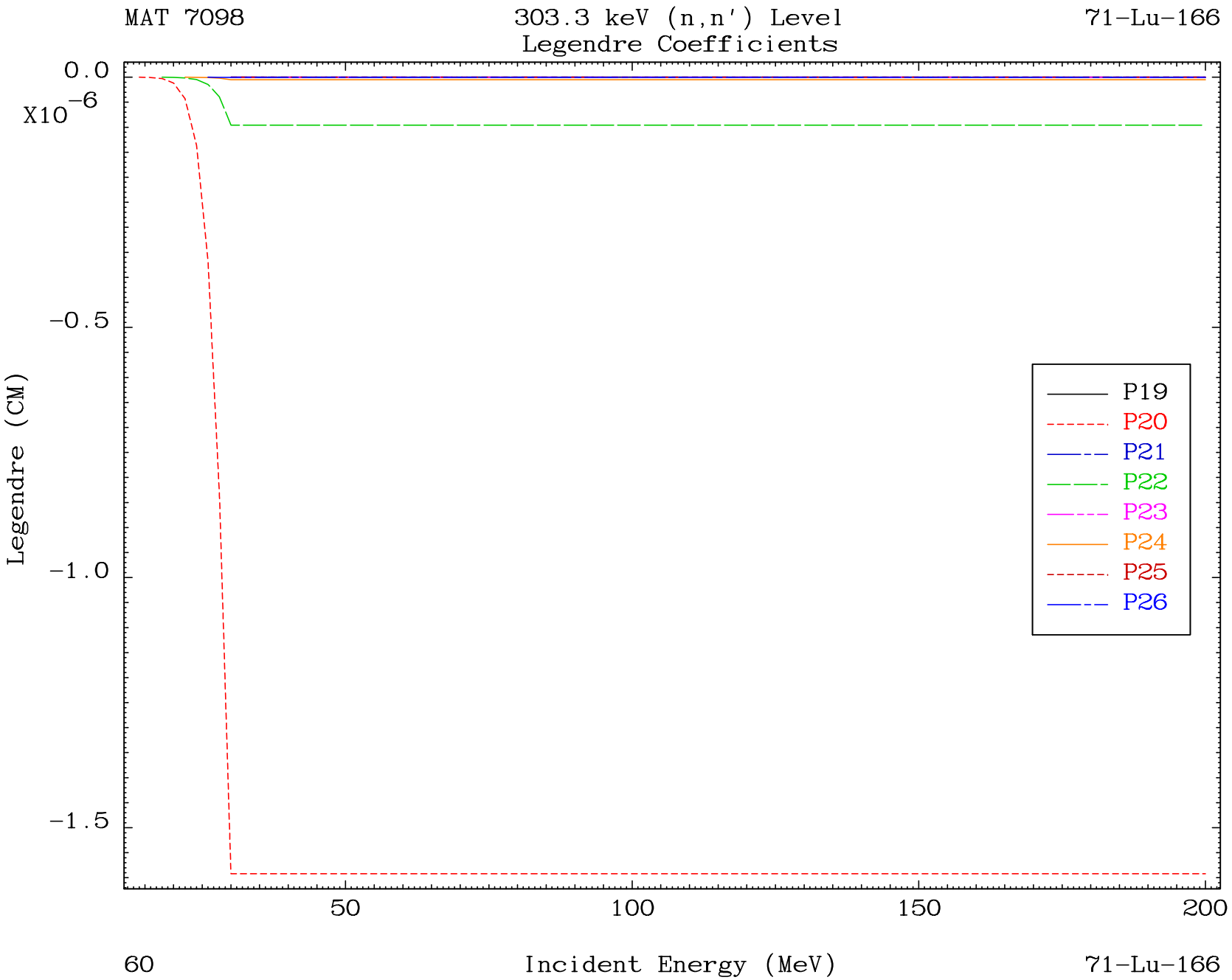

MAT 7098
290.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
55
Incident Energy (MeV)
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18

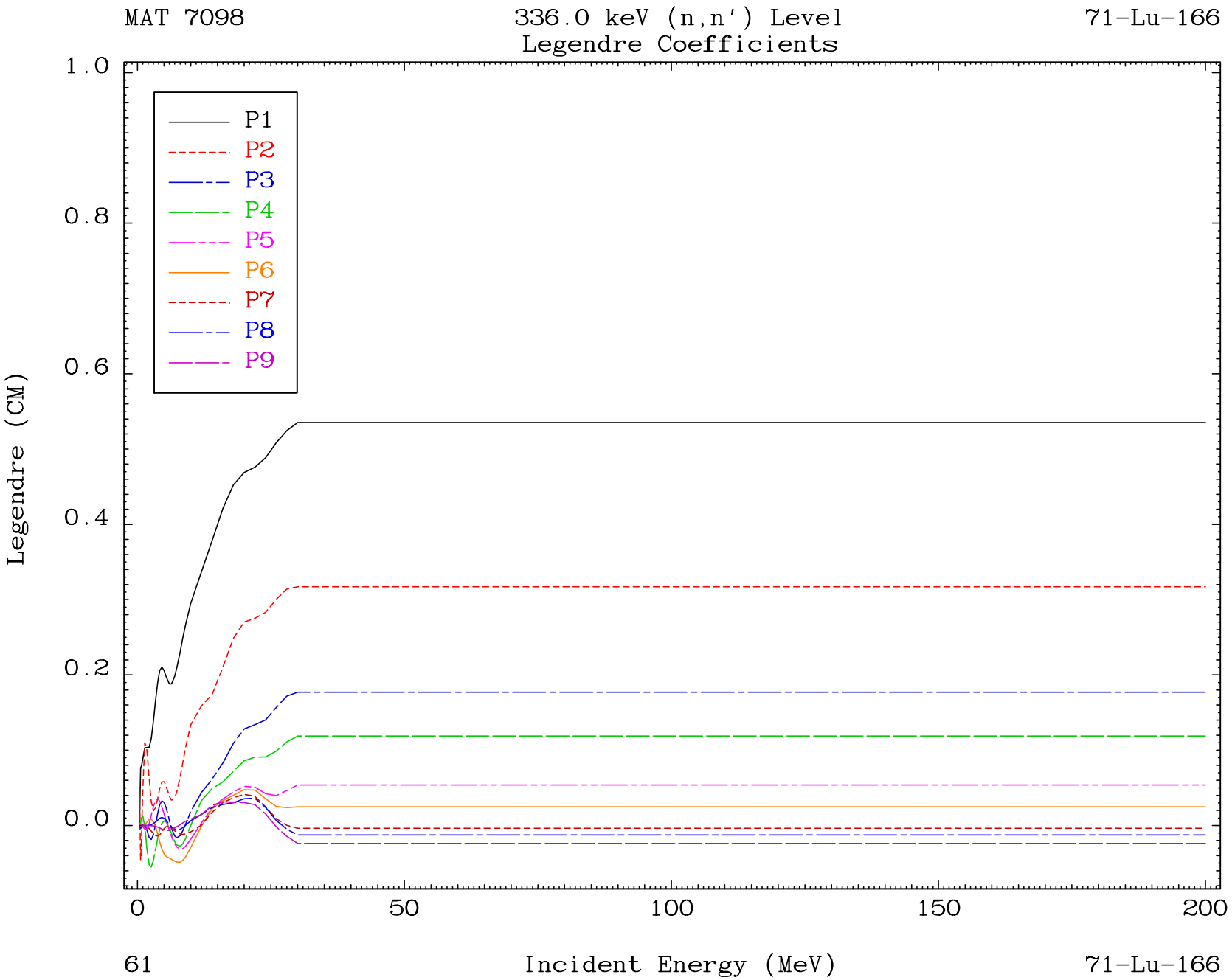

MAT 7098
290.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
56
Incident Energy (MeV)
71-Lu-166

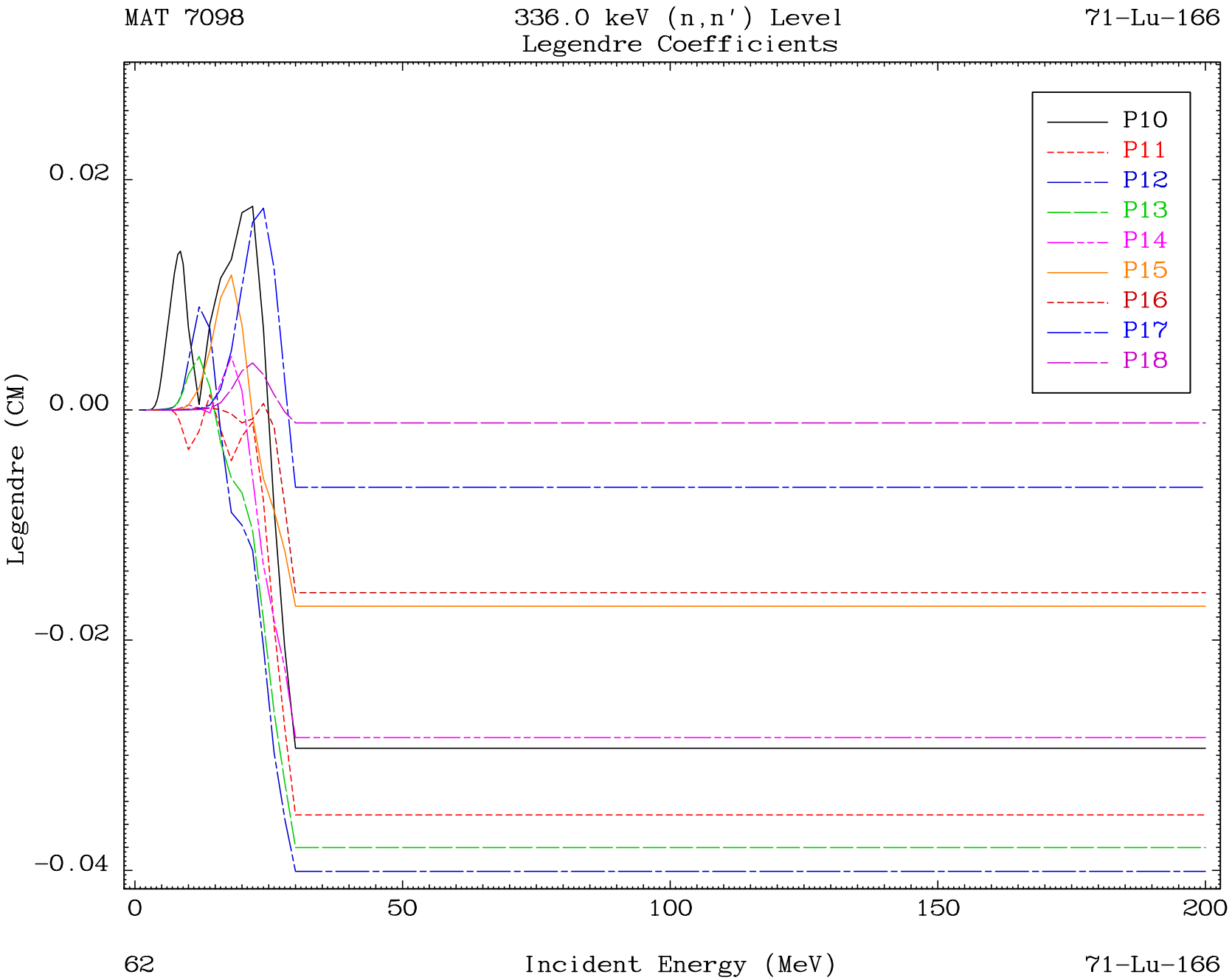

MAT 7098
290.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-7
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
57
Incident Energy (MeV)
71-Lu-166

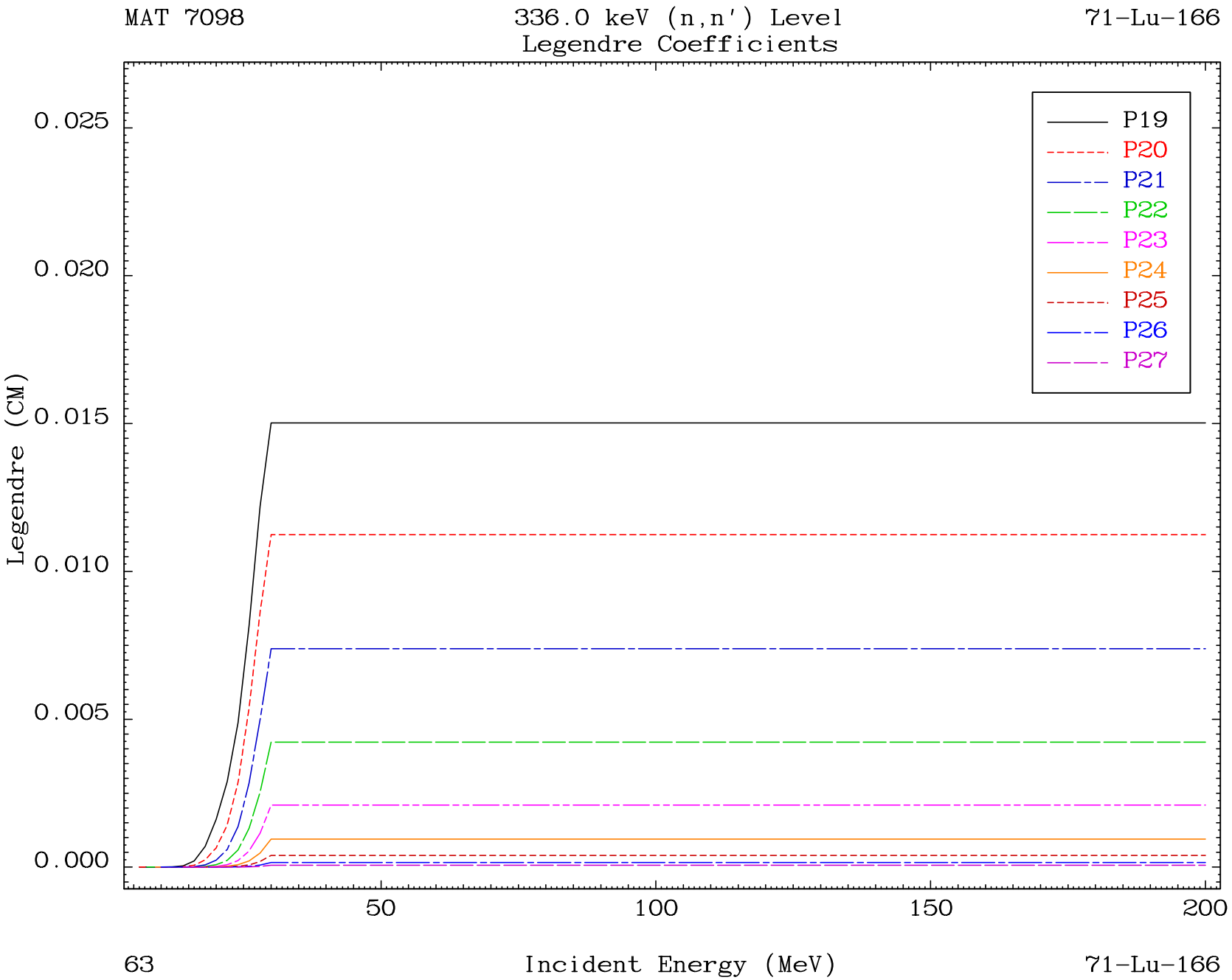

MAT 7098
303.3 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
58
Incident Energy (MeV)
71-Lu-166

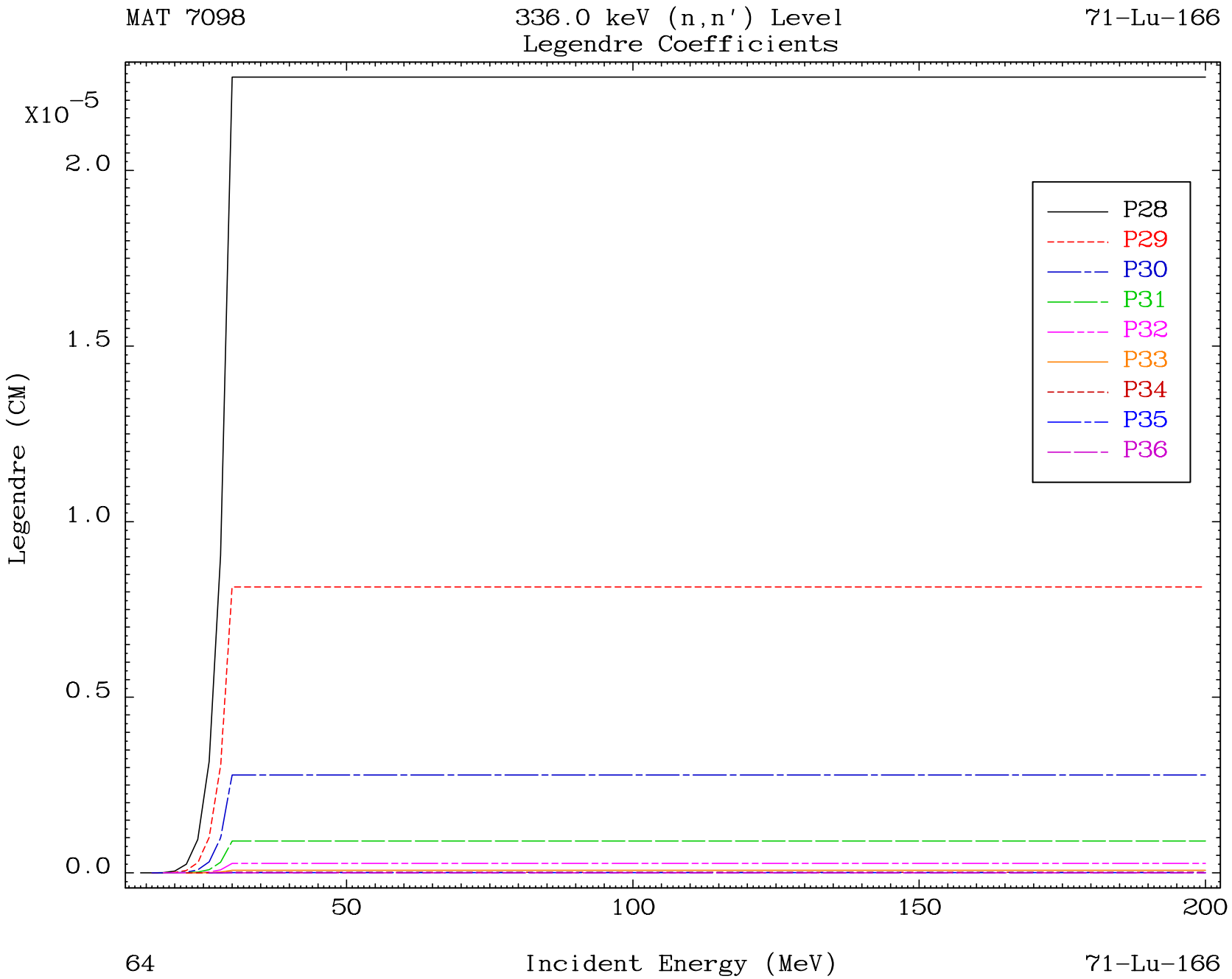

MAT 7098
303.3 keV (n,n') Level
Legendre Coefficients
71-Lu-166
1.0
X10^-4
0.5
0.0
-0.5
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
59
Incident Energy (MeV)
71-Lu-166

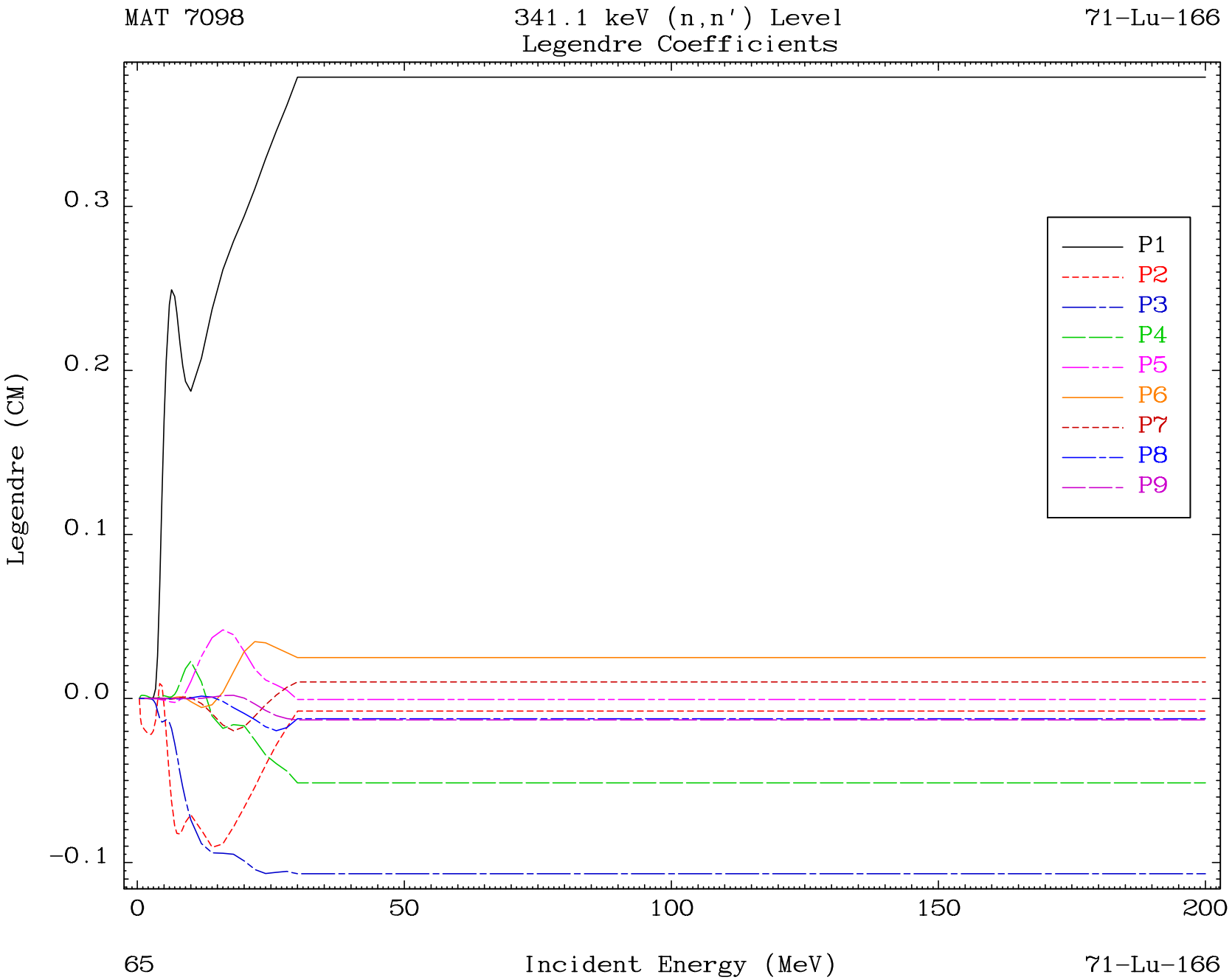

MAT 7098
303.3 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
60
Incident Energy (MeV)
71-Lu-166

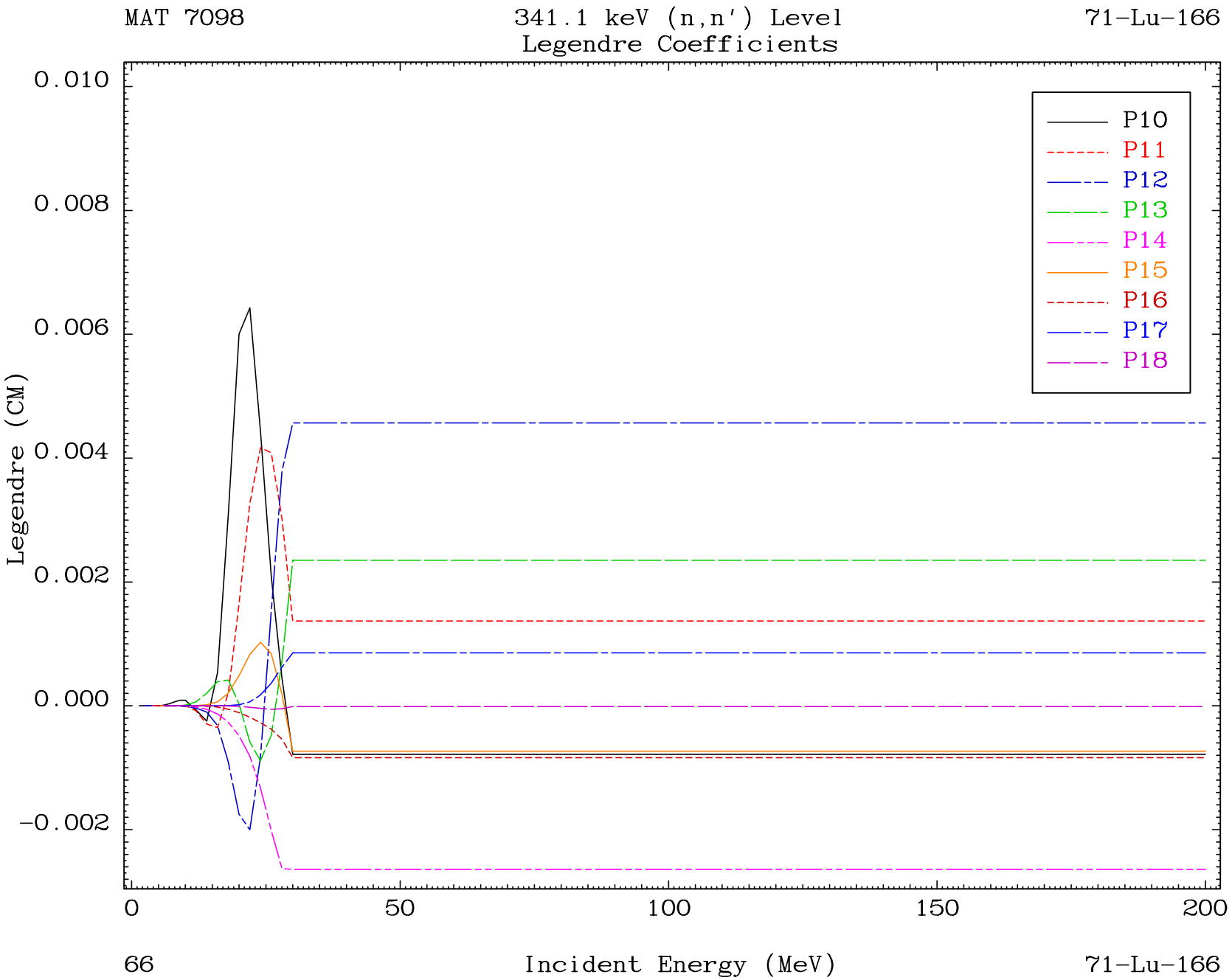

MAT 7098
336.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
61
Incident Energy (MeV)
71-Lu-166

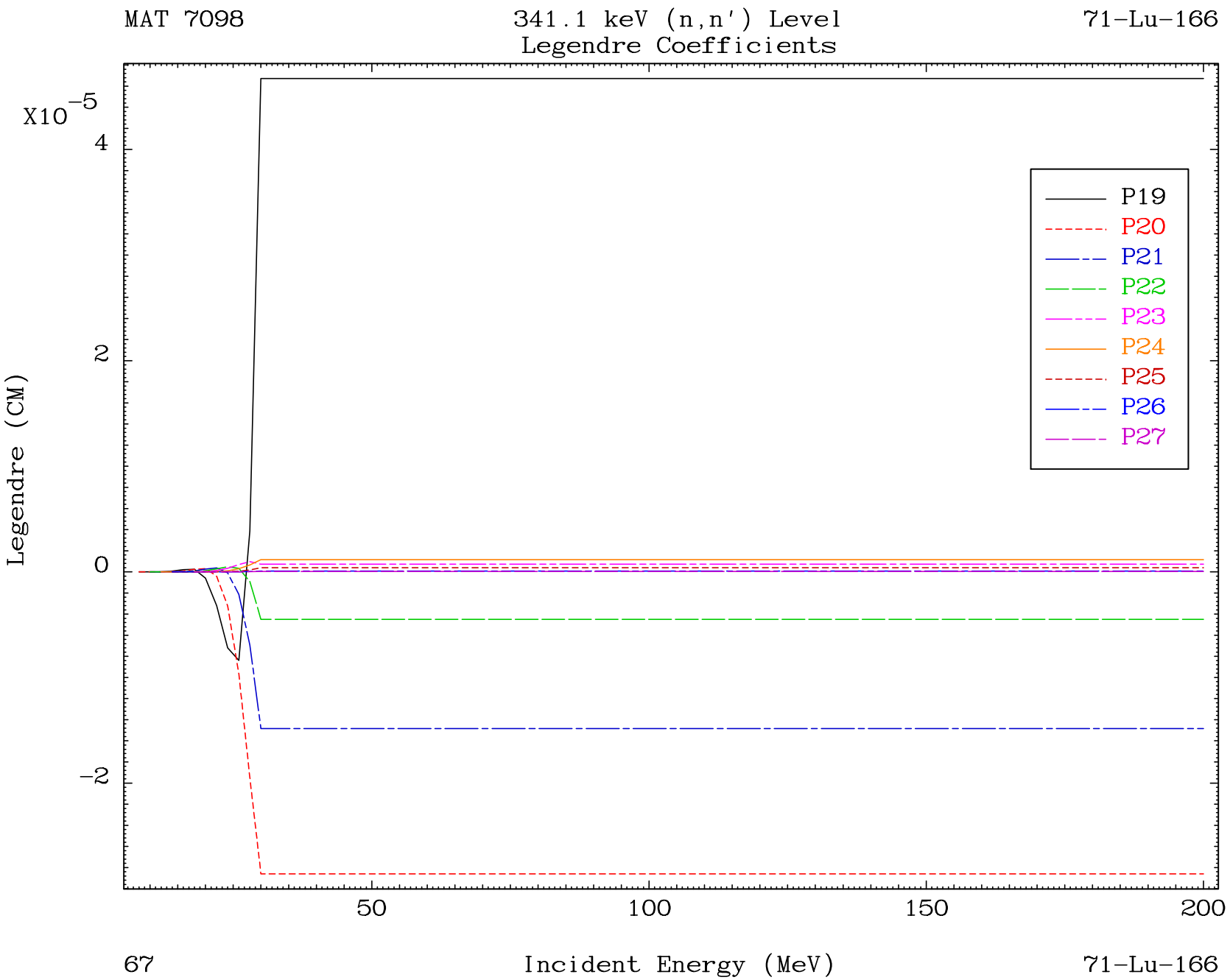

MAT 7098
336.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
62
Incident Energy (MeV)
71-Lu-166

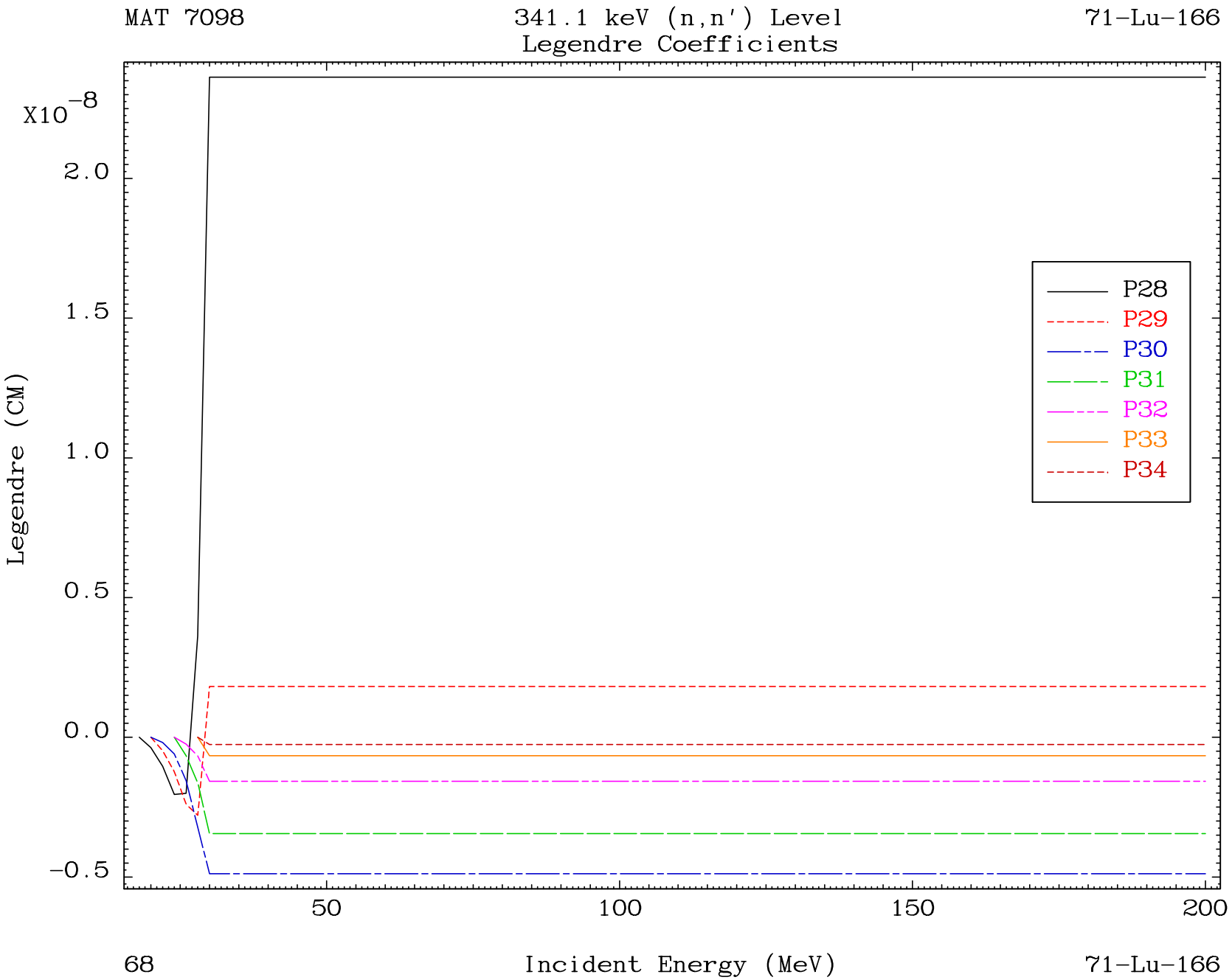

MAT 7098
336.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
71-Lu-166

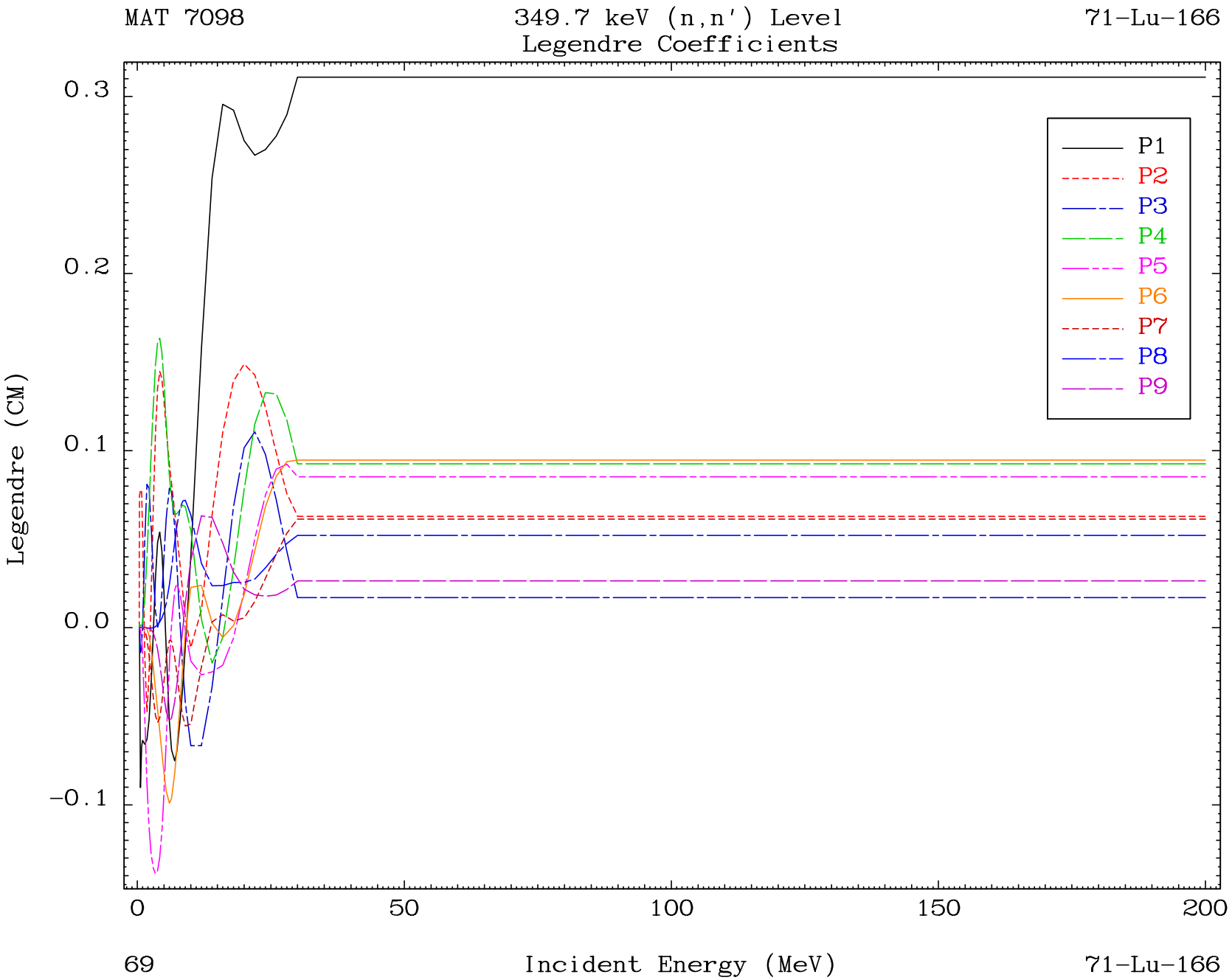

MAT 7098
336.0 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
64
Incident Energy (MeV)
71-Lu-166

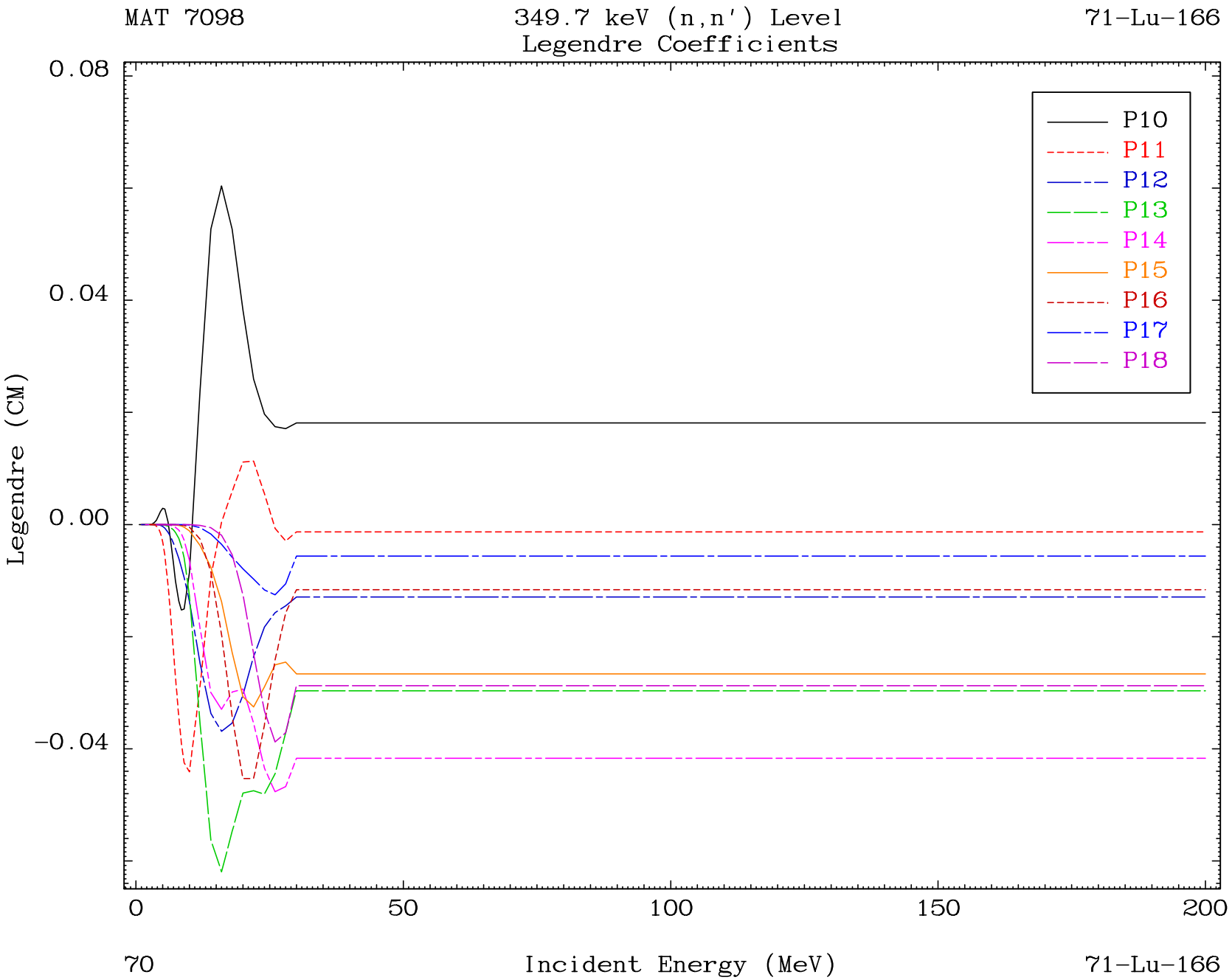

MAT 7098
341.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
65
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

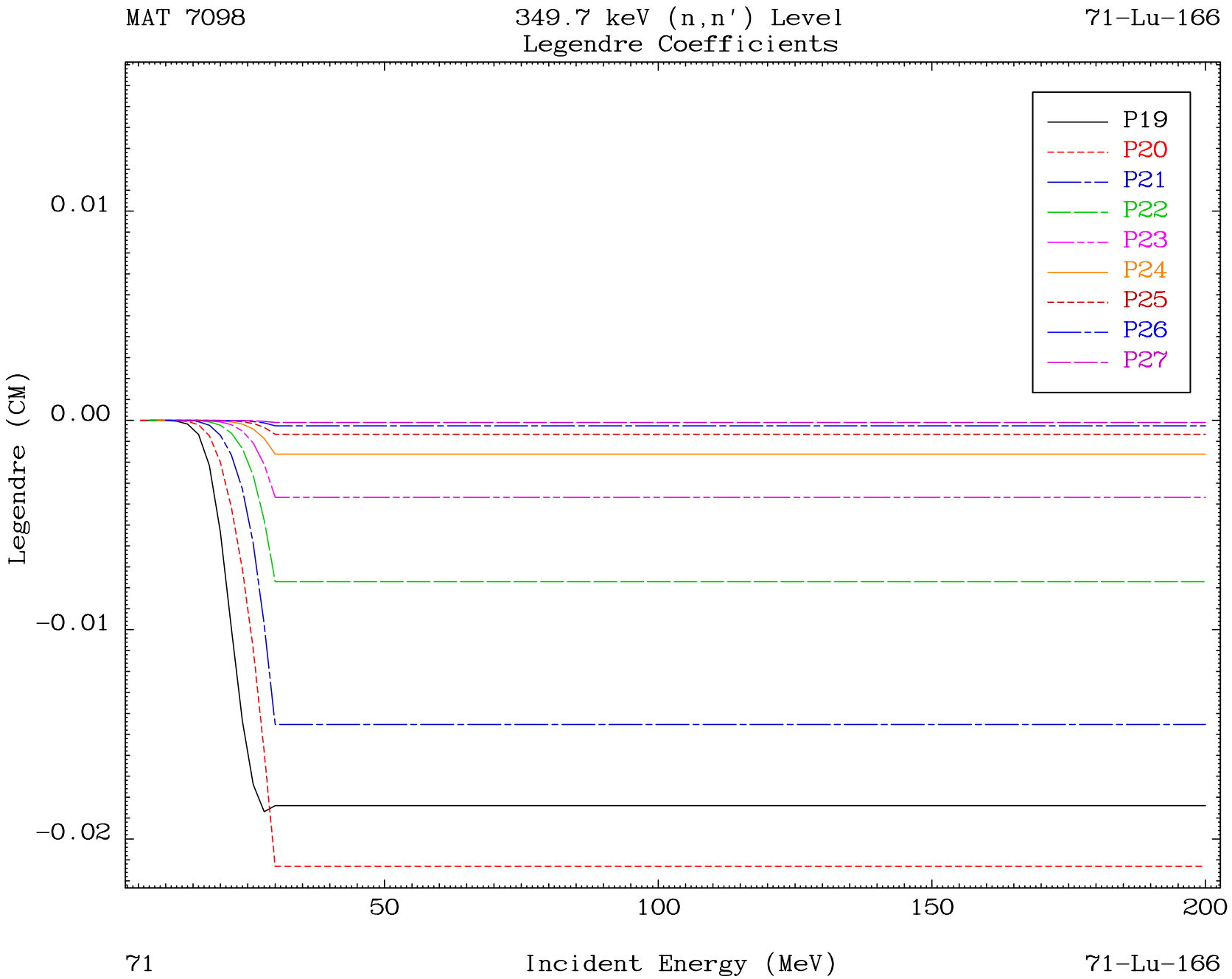

MAT 7098
341.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
66
Incident Energy (MeV)
71-Lu-166

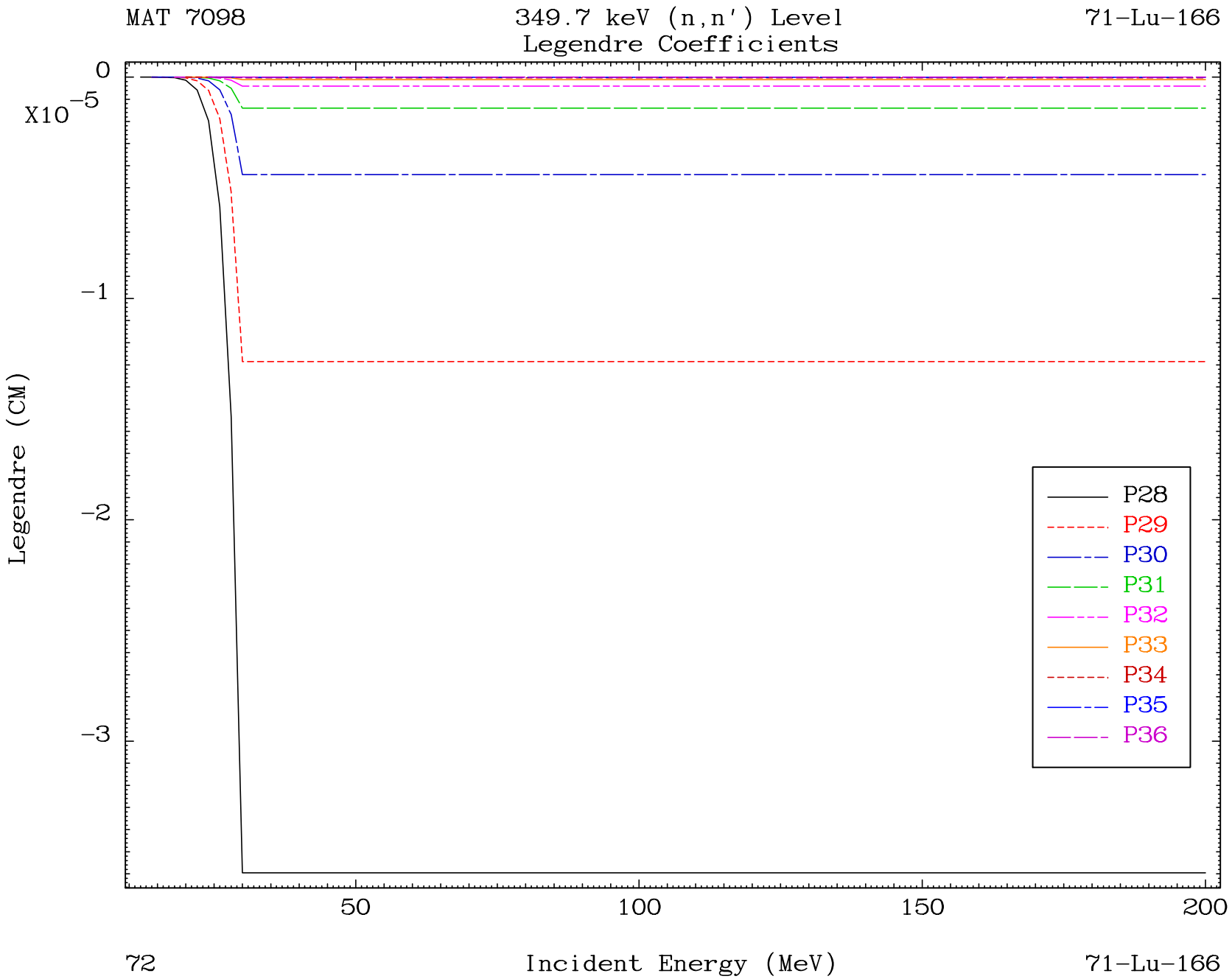

MAT 7098
341.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 −5
4
2
0
−2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
67
Incident Energy (MeV)
71-Lu-166

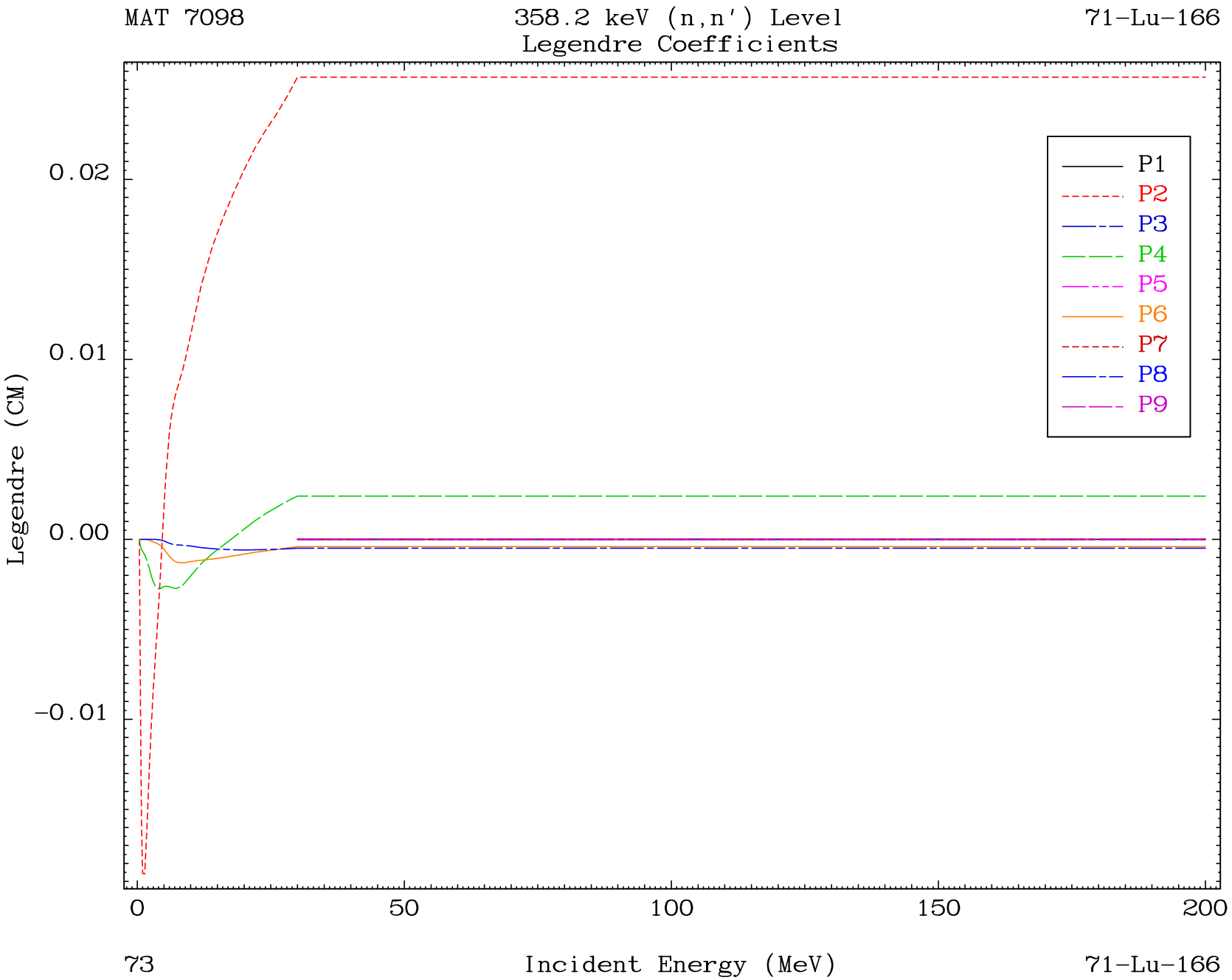

MAT 7098
341.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-8
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
68
Incident Energy (MeV)
71-Lu-166

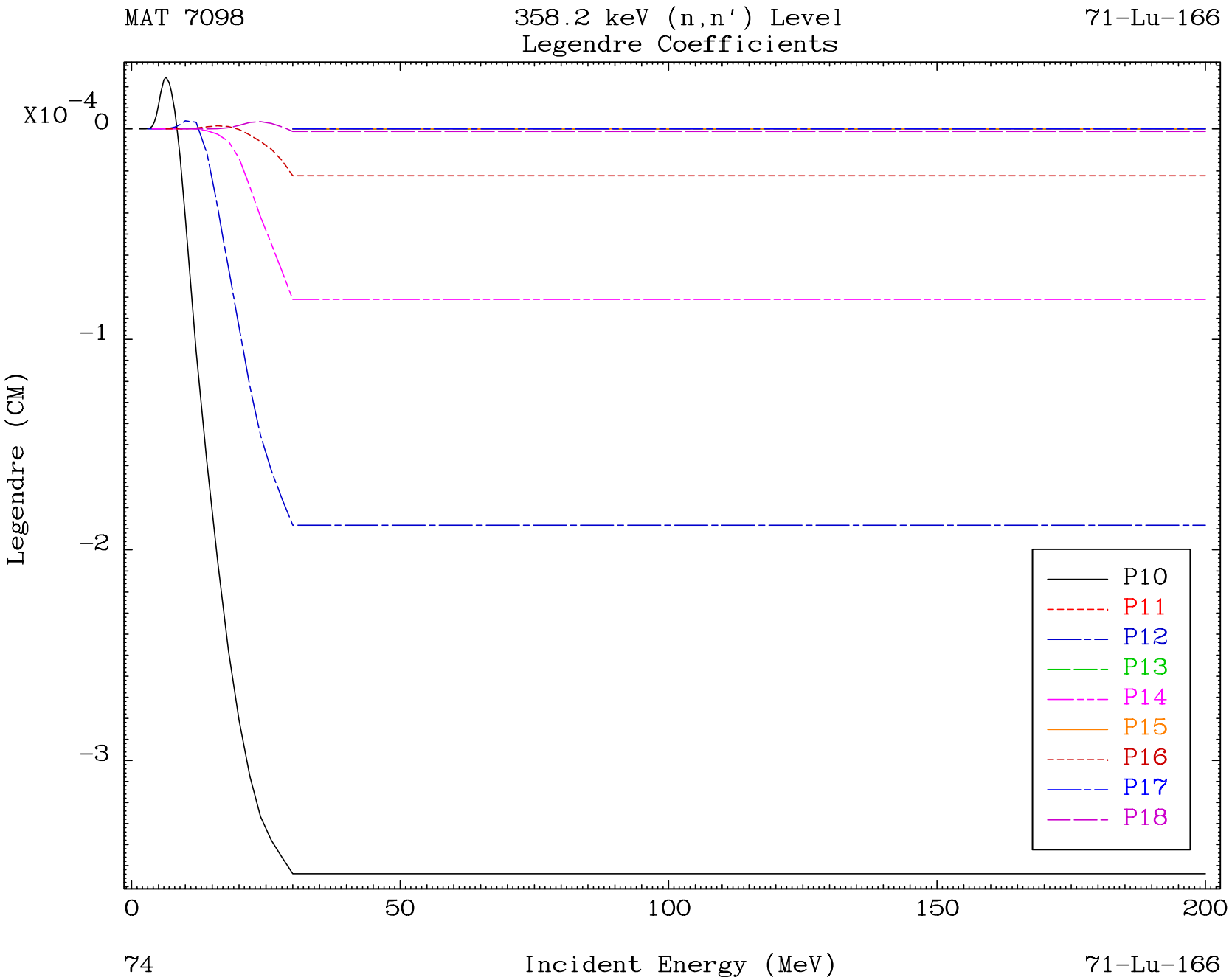

MAT 7098
349.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
69
Incident Energy (MeV)
71-Lu-166

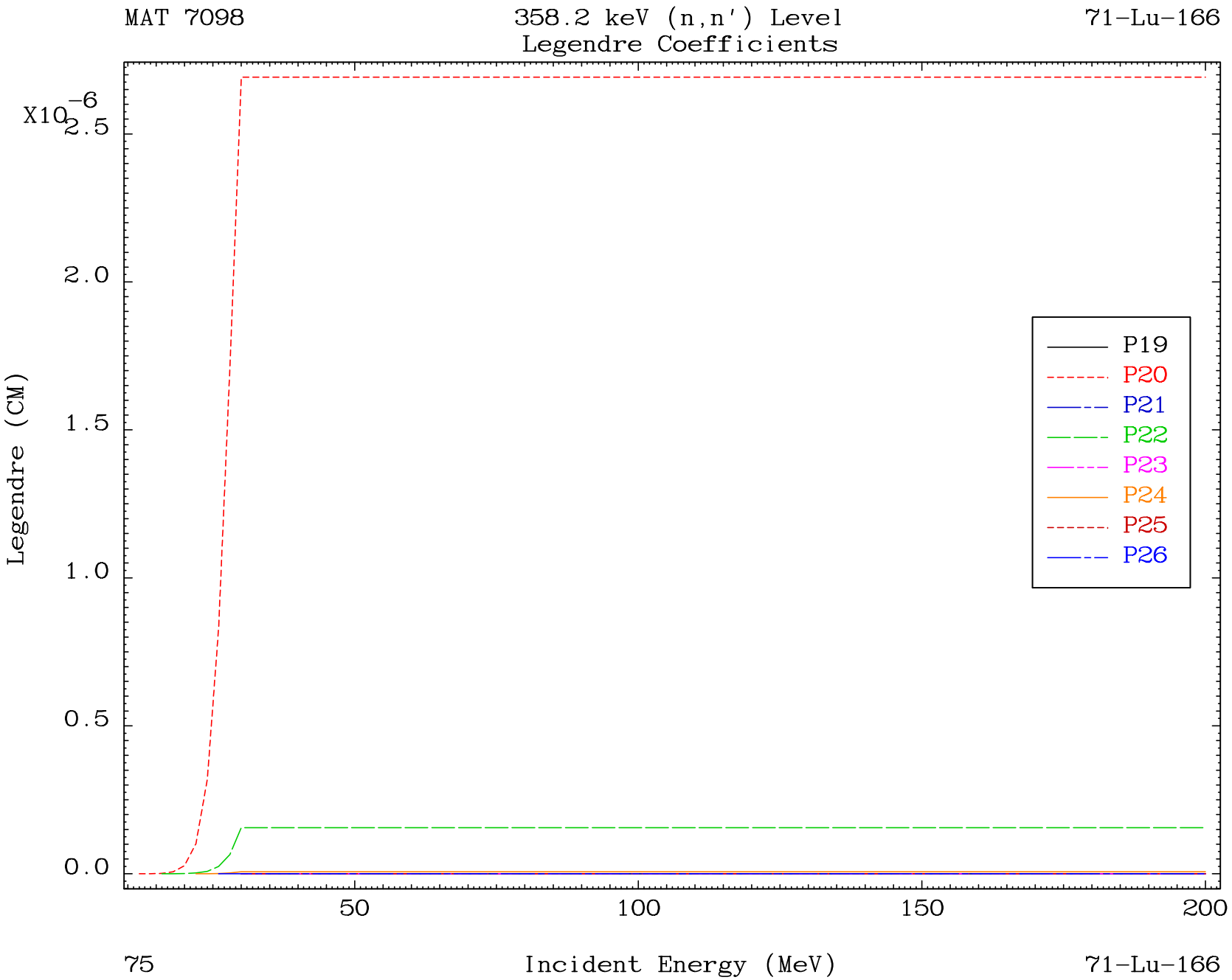

MAT 7098
349.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.08
0.04
0.00
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
70
Incident Energy (MeV)
71-Lu-166

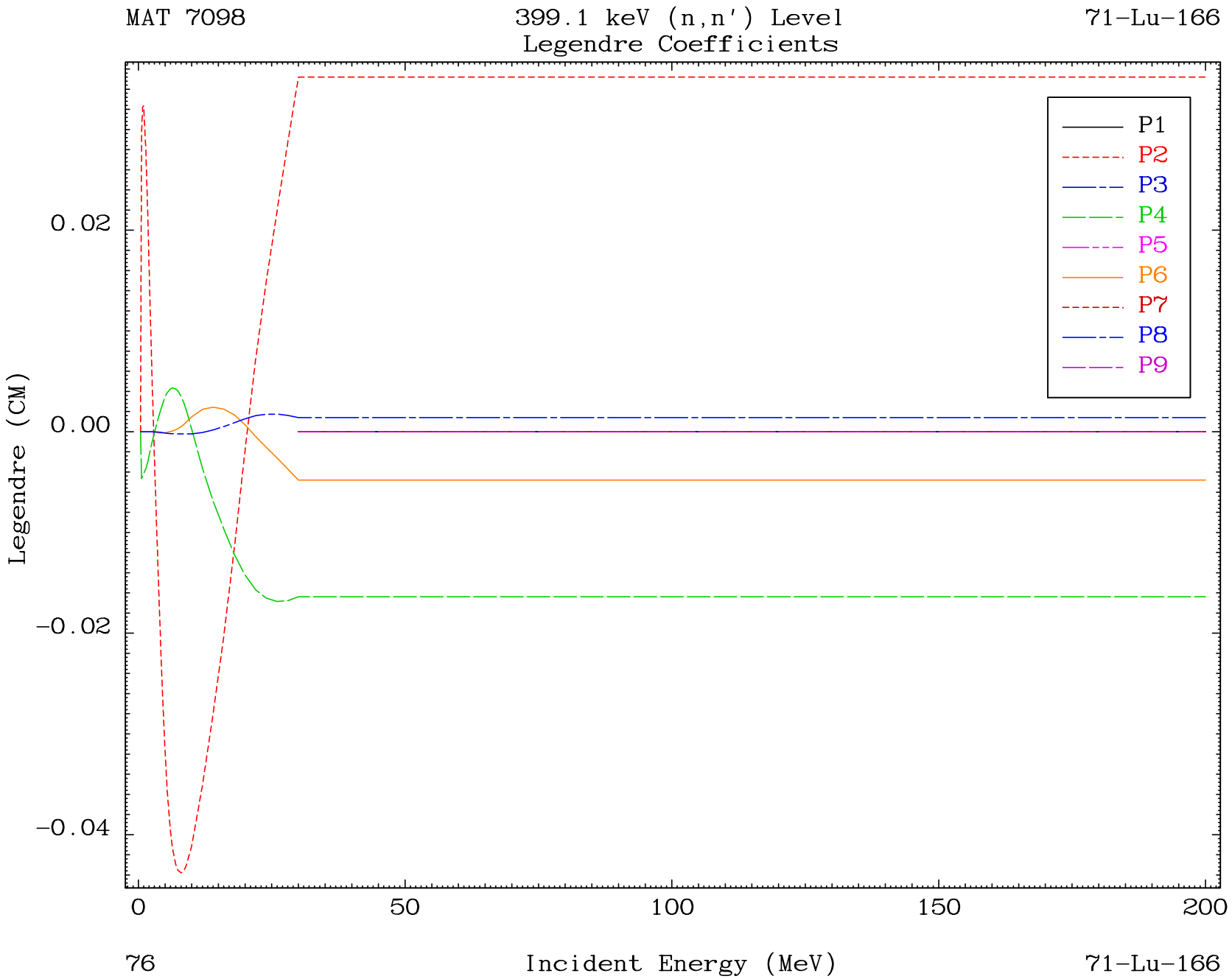

MAT 7098
349.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.01
0.00
-0.01
-0.02
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
71-Lu-166

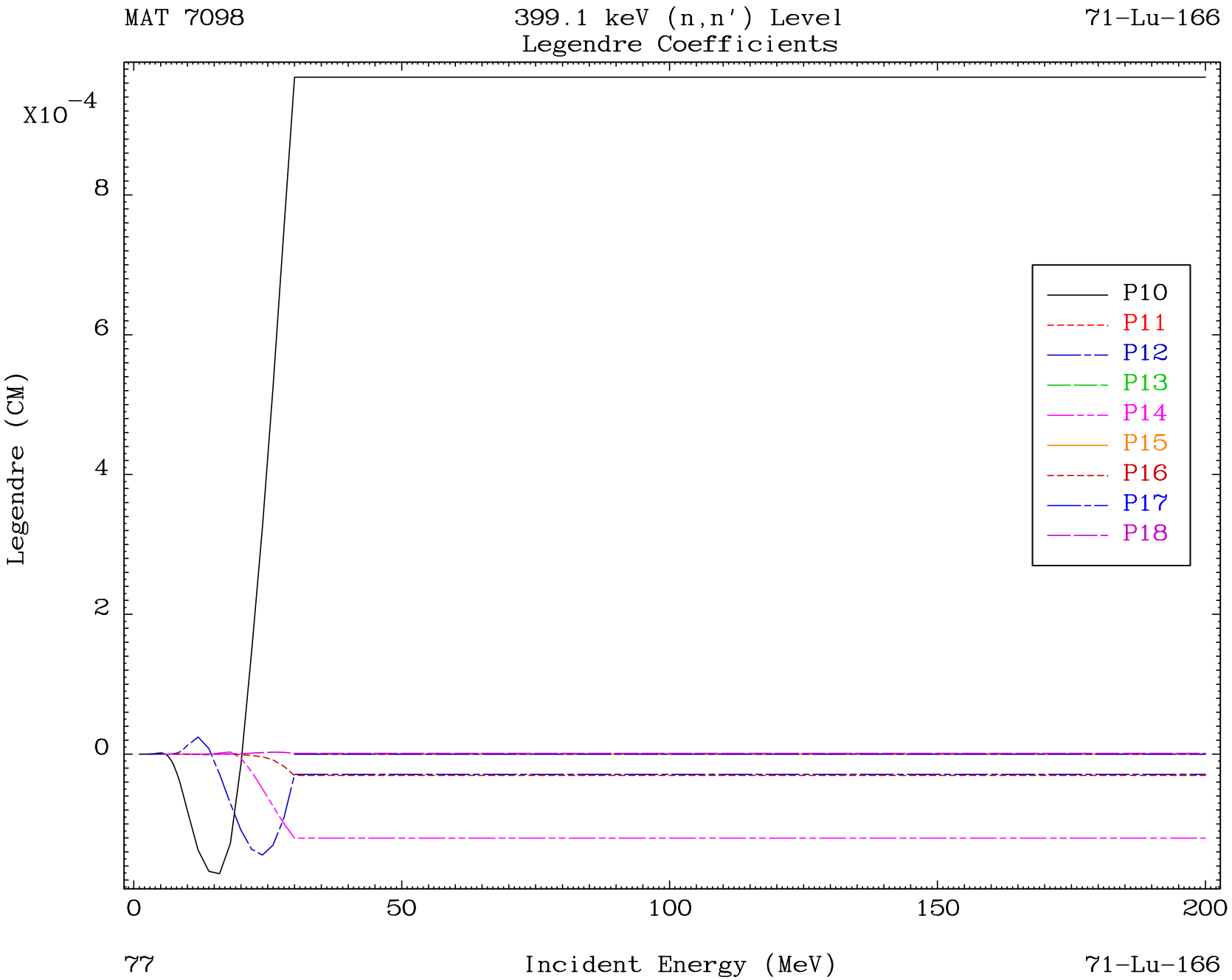

MAT 7098
349.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0
X10 −5
−1
−2
−3
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
71-Lu-166
P28
P29
P30
P31
P32
P33
P34
P35
P36

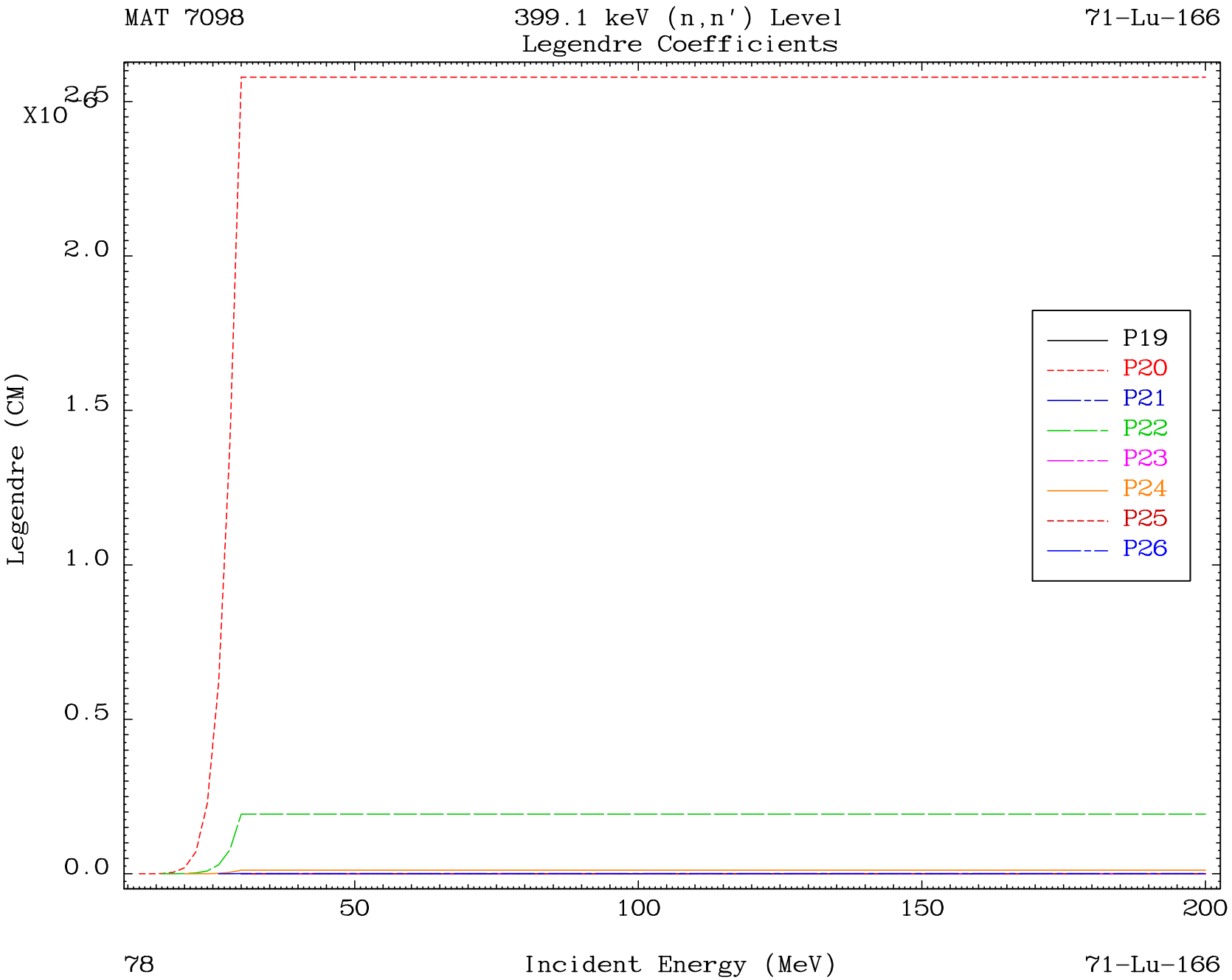

MAT 7098
358.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.02
0.01
0.00
-0.01
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
73
Incident Energy (MeV)
71-Lu-166

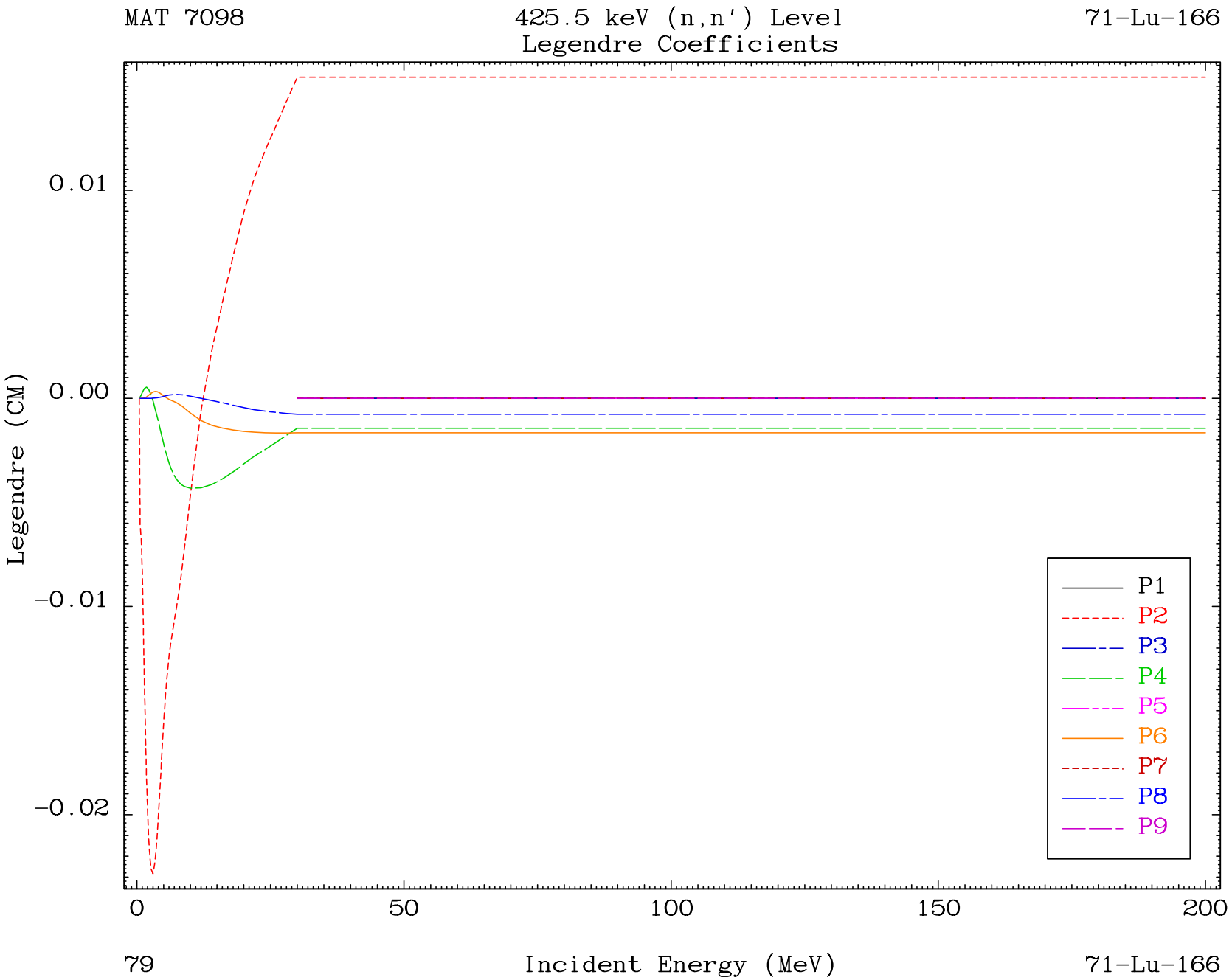

MAT 7098
358.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
0
-1
-2
-3
Legendre (CM)
0
50
100
150
200
74
Incident Energy (MeV)
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18

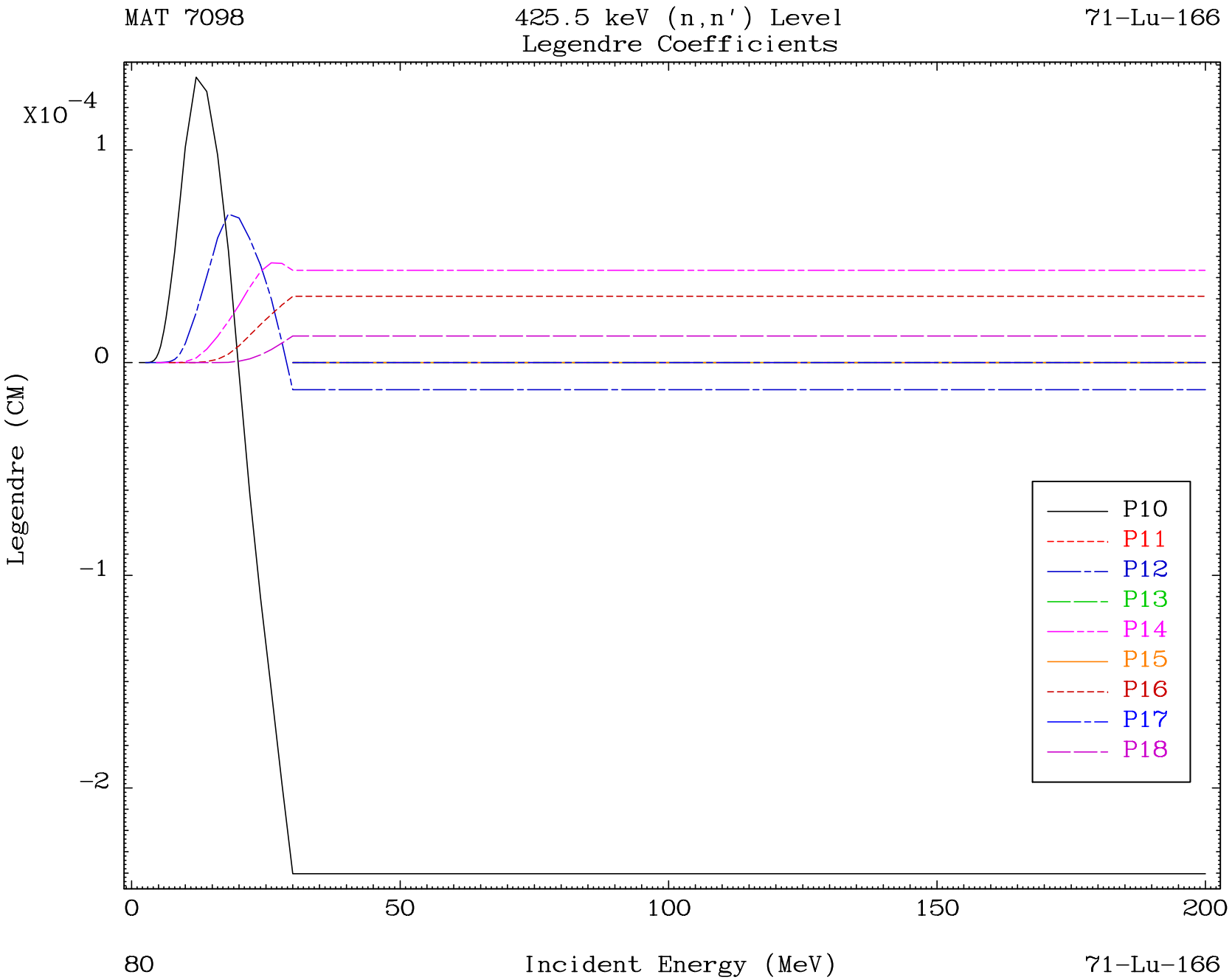

MAT 7098
358.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
75
Incident Energy (MeV)
71-Lu-166

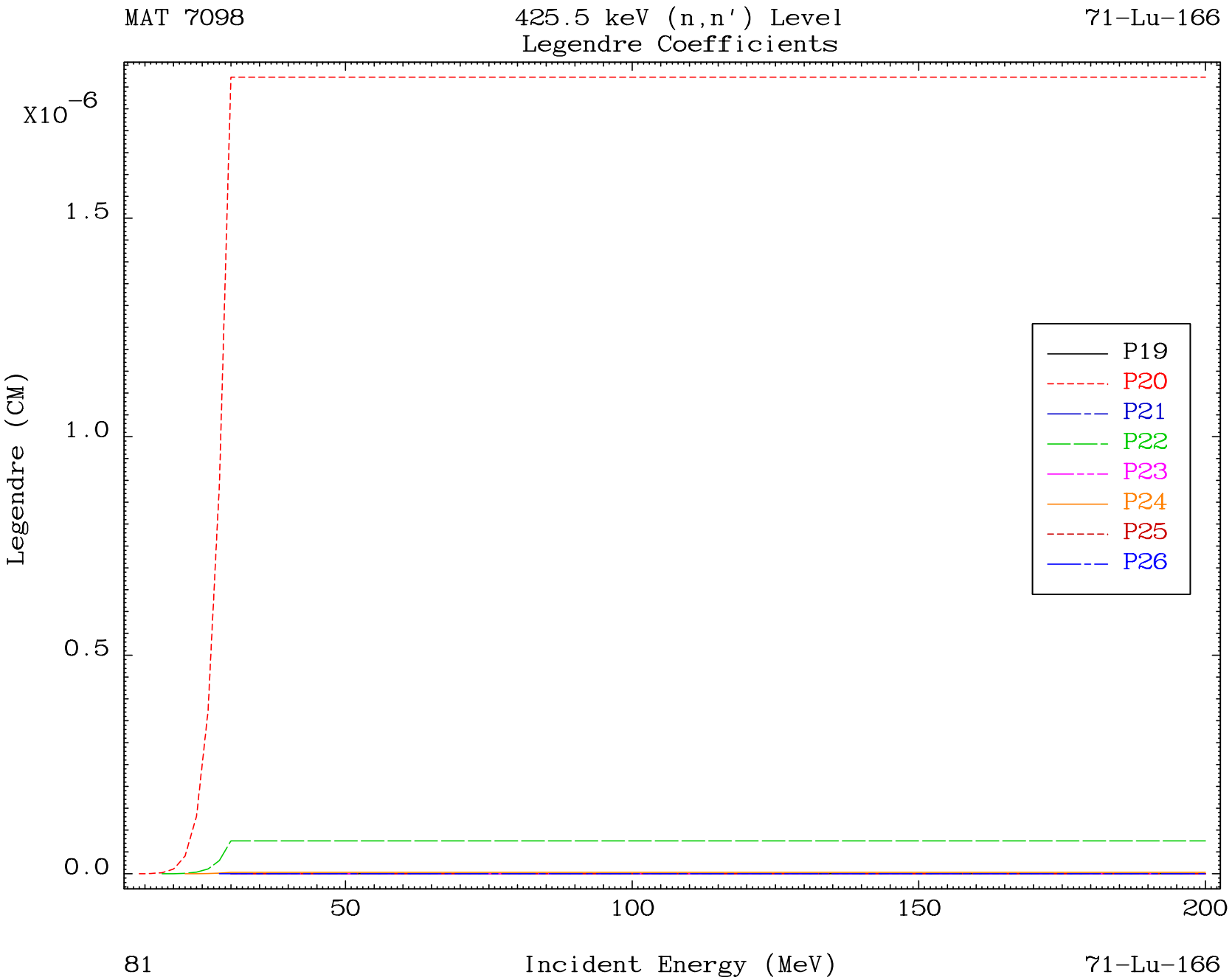

MAT 7098
399.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
76
Incident Energy (MeV)
71-Lu-166

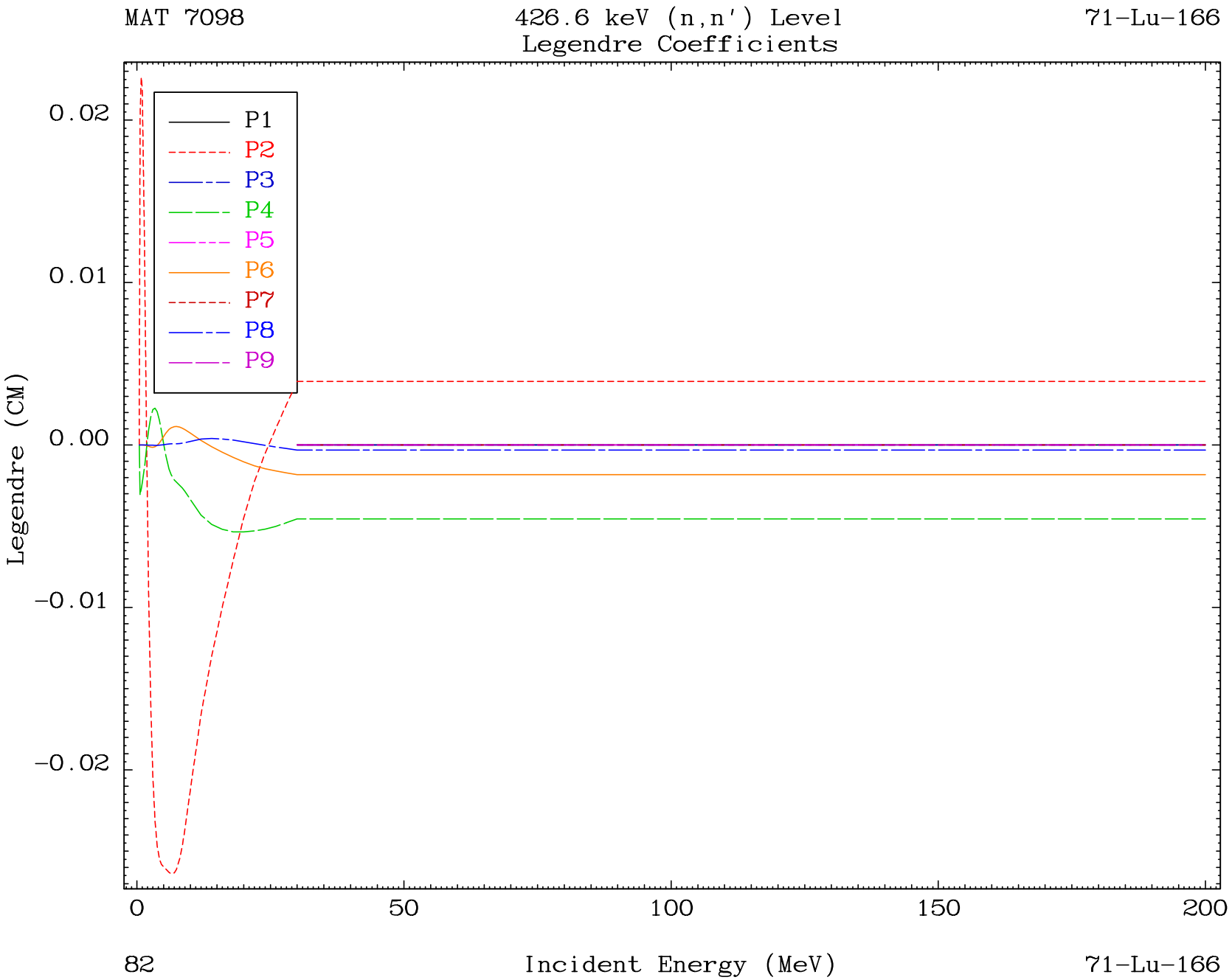

MAT 7098
399.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
8
6
4
2
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
77
Incident Energy (MeV)
71-Lu-166

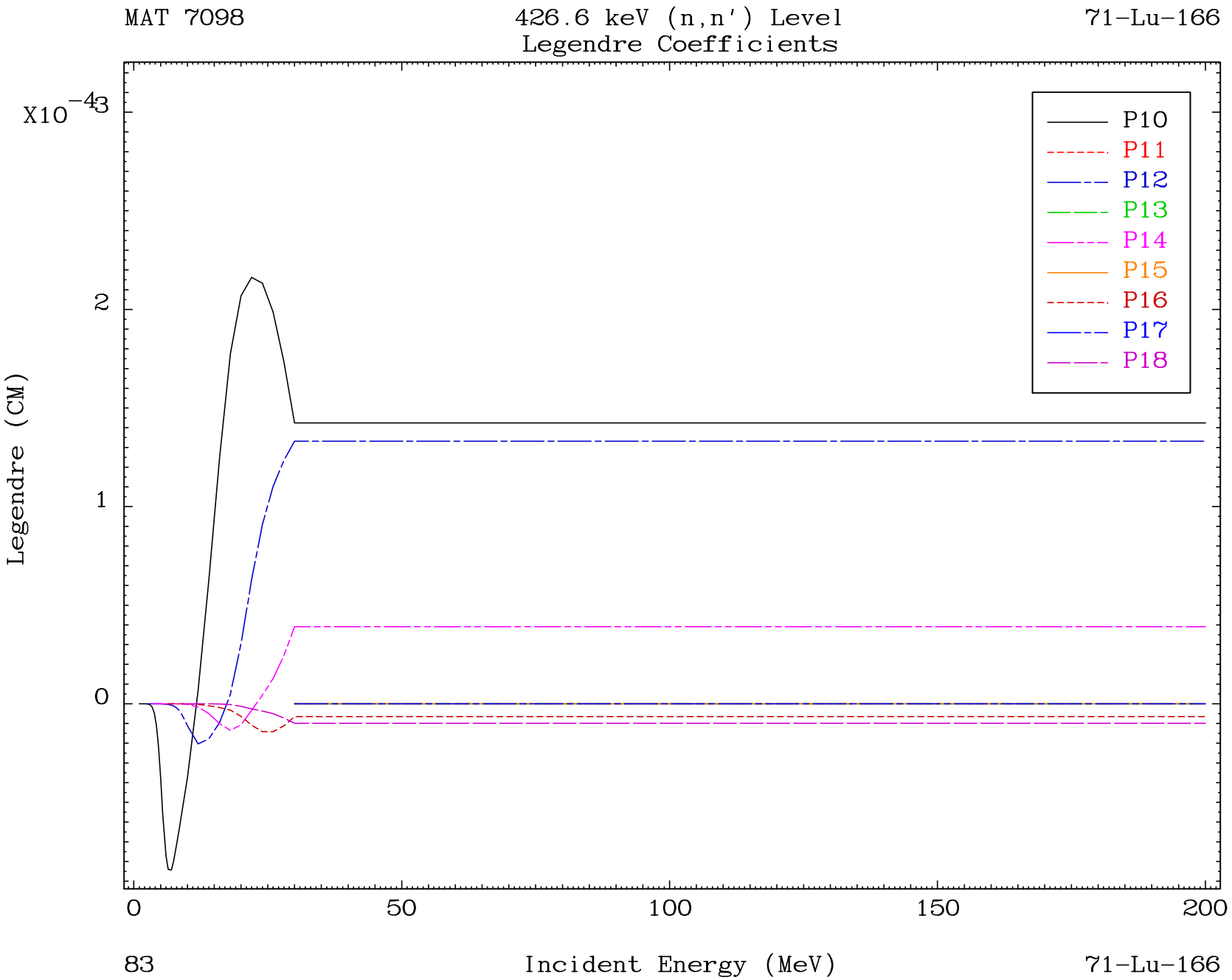

MAT 7098
399.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
78
Incident Energy (MeV)
71-Lu-166

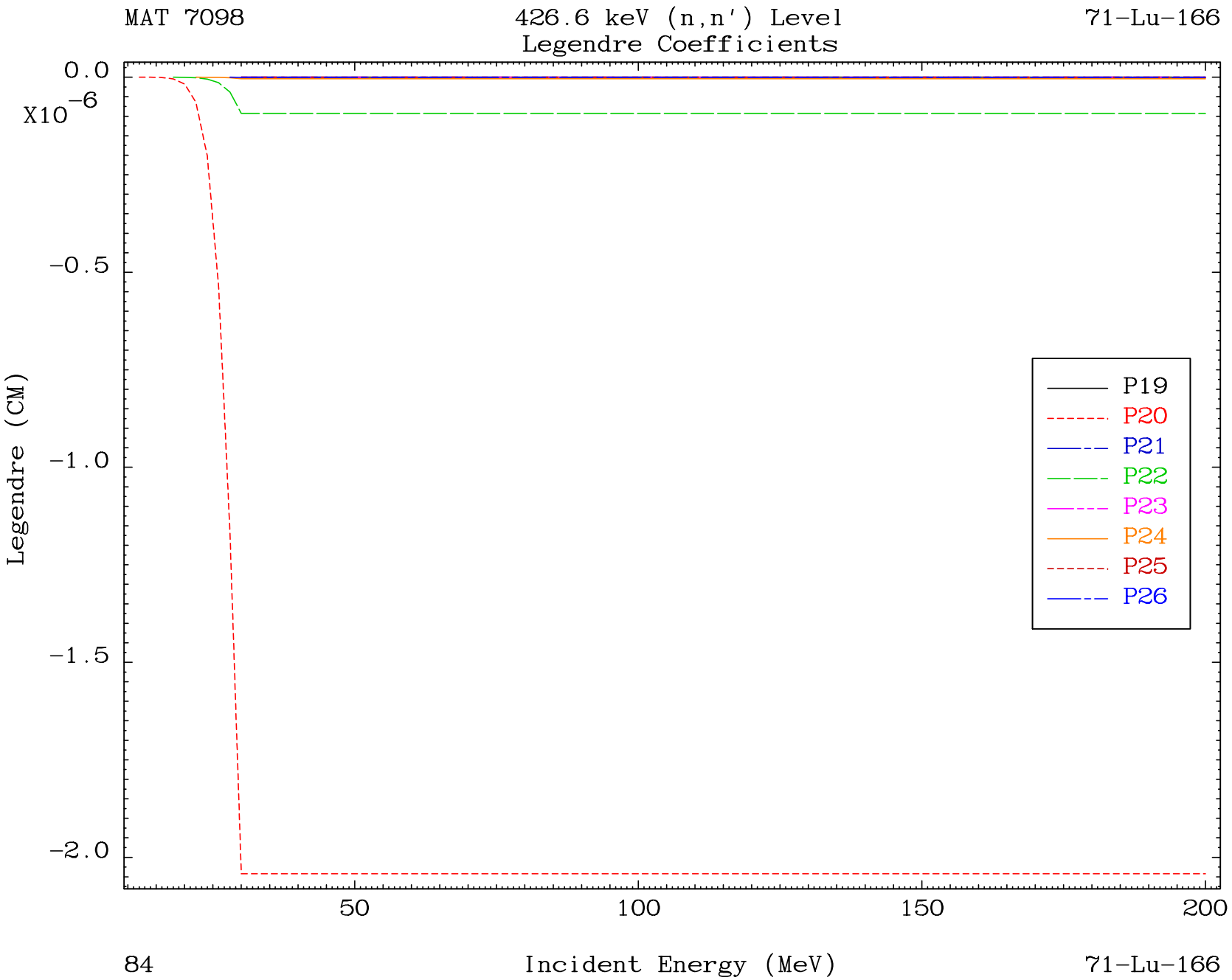

MAT 7098
425.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
79
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

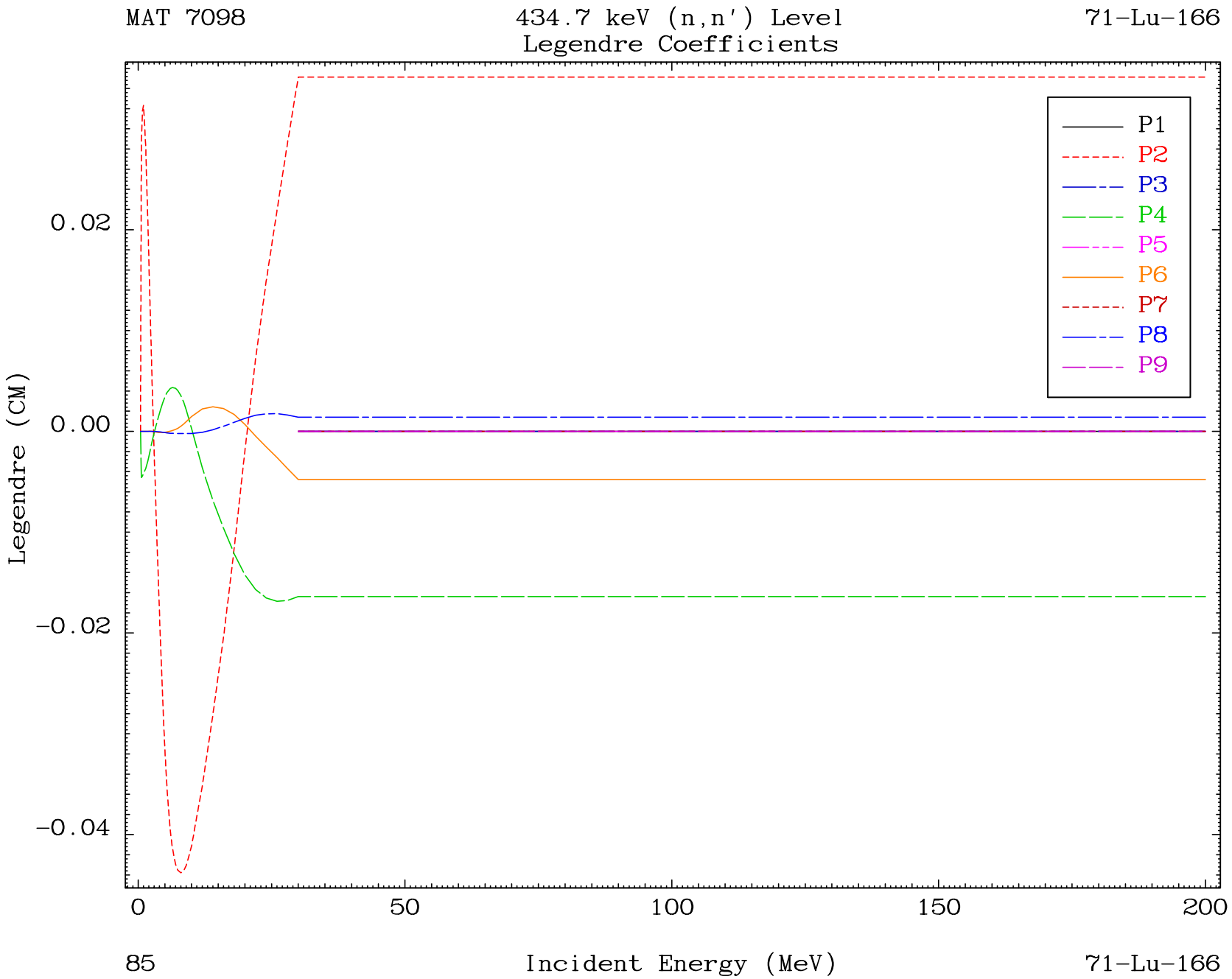

MAT 7098
425.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
1
0
-1
-2
Legendre (CM)
0
50
100
150
200
80
Incident Energy (MeV)
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18

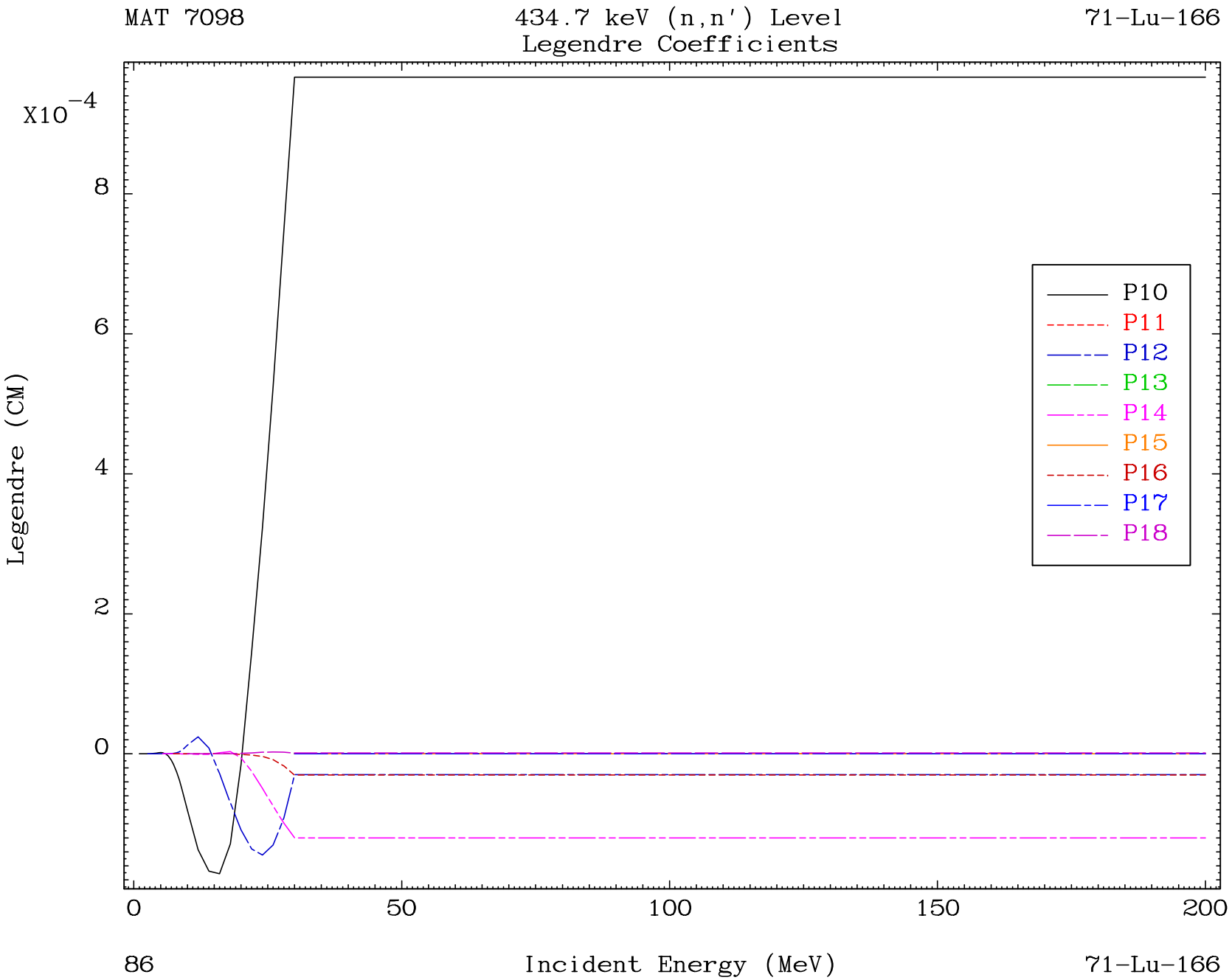

MAT 7098
425.5 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
81
Incident Energy (MeV)
71-Lu-166

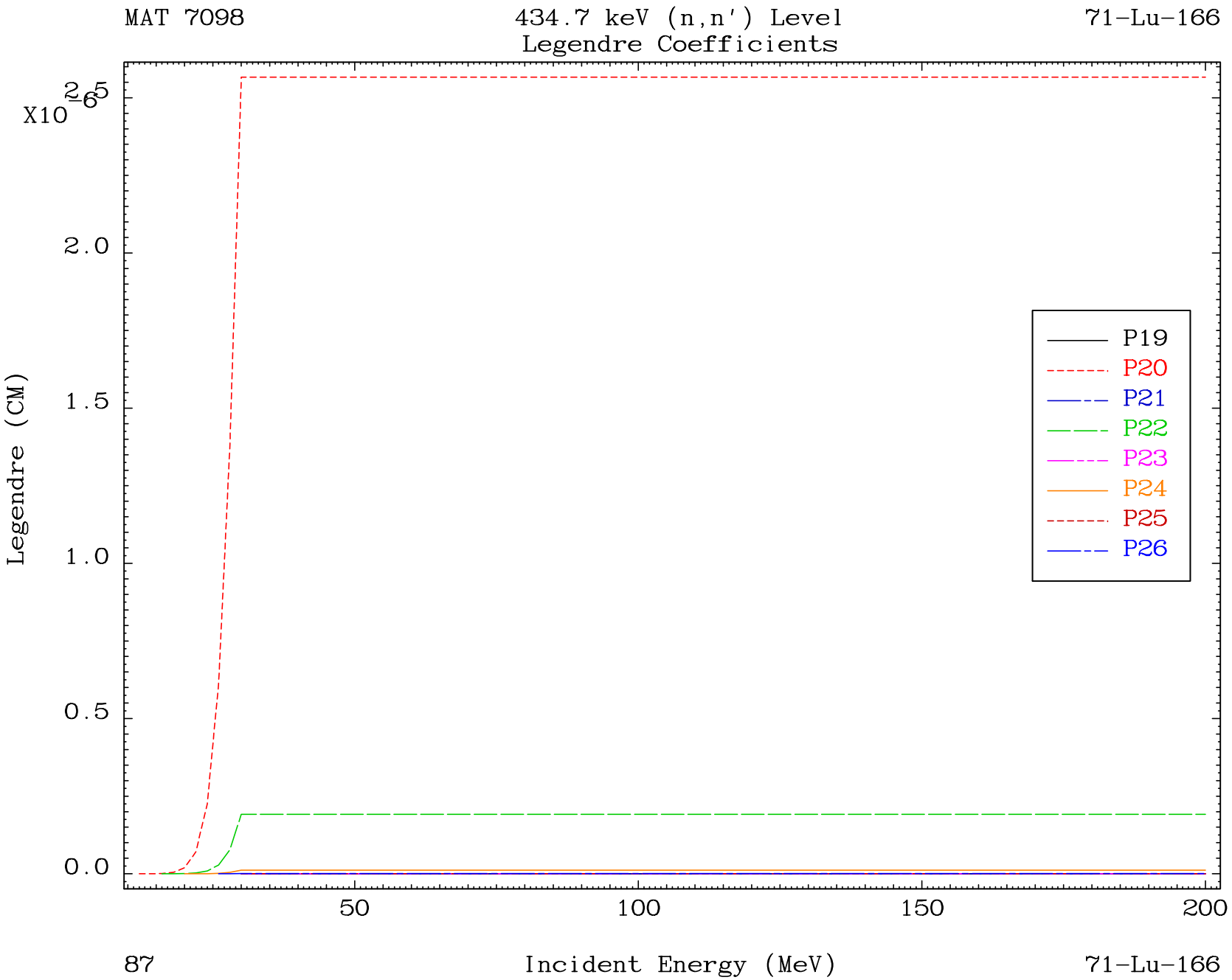

MAT 7098
426.6 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
82
Incident Energy (MeV)
71-Lu-166

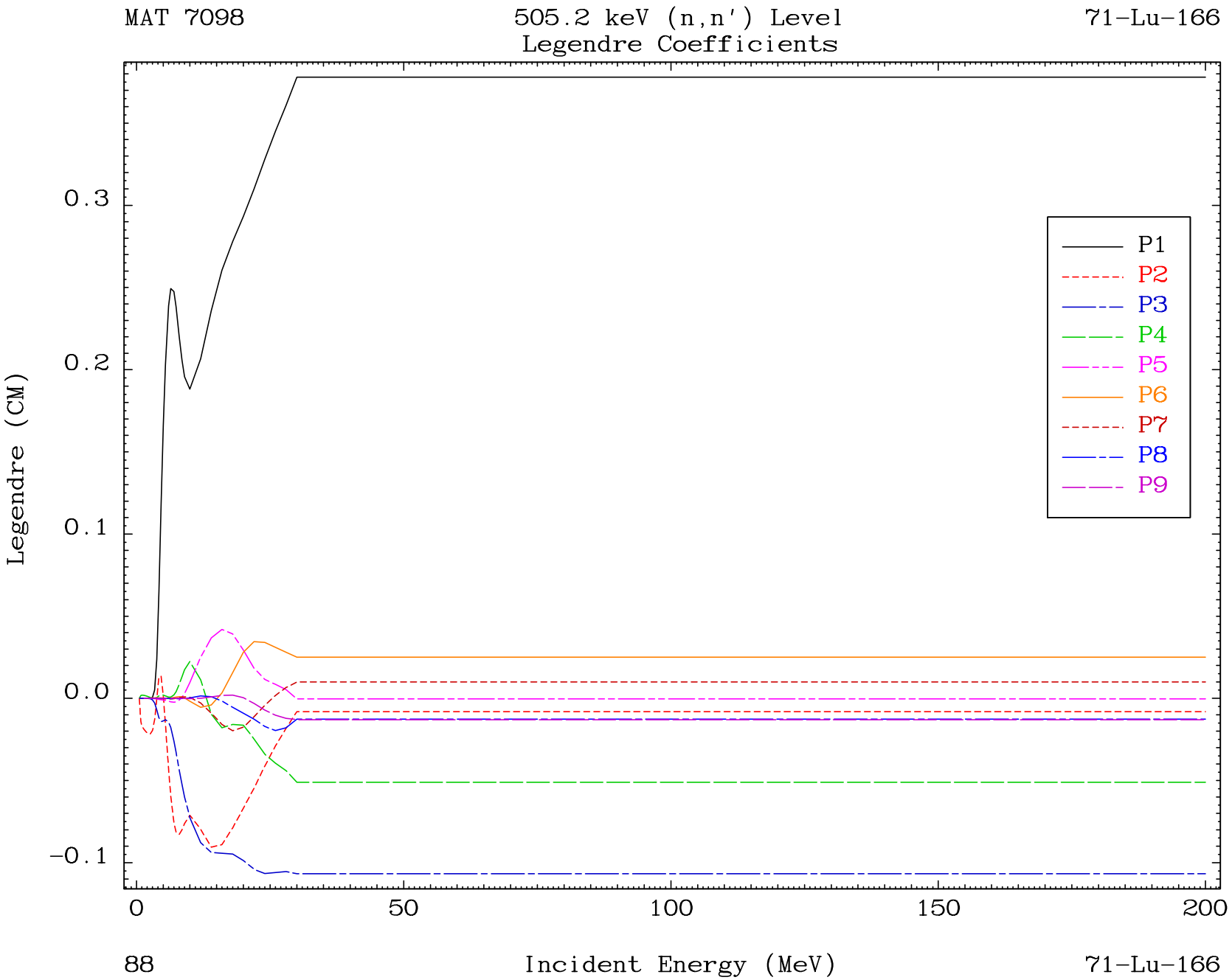

MAT 7098
426.6 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
83
Incident Energy (MeV)
71-Lu-166

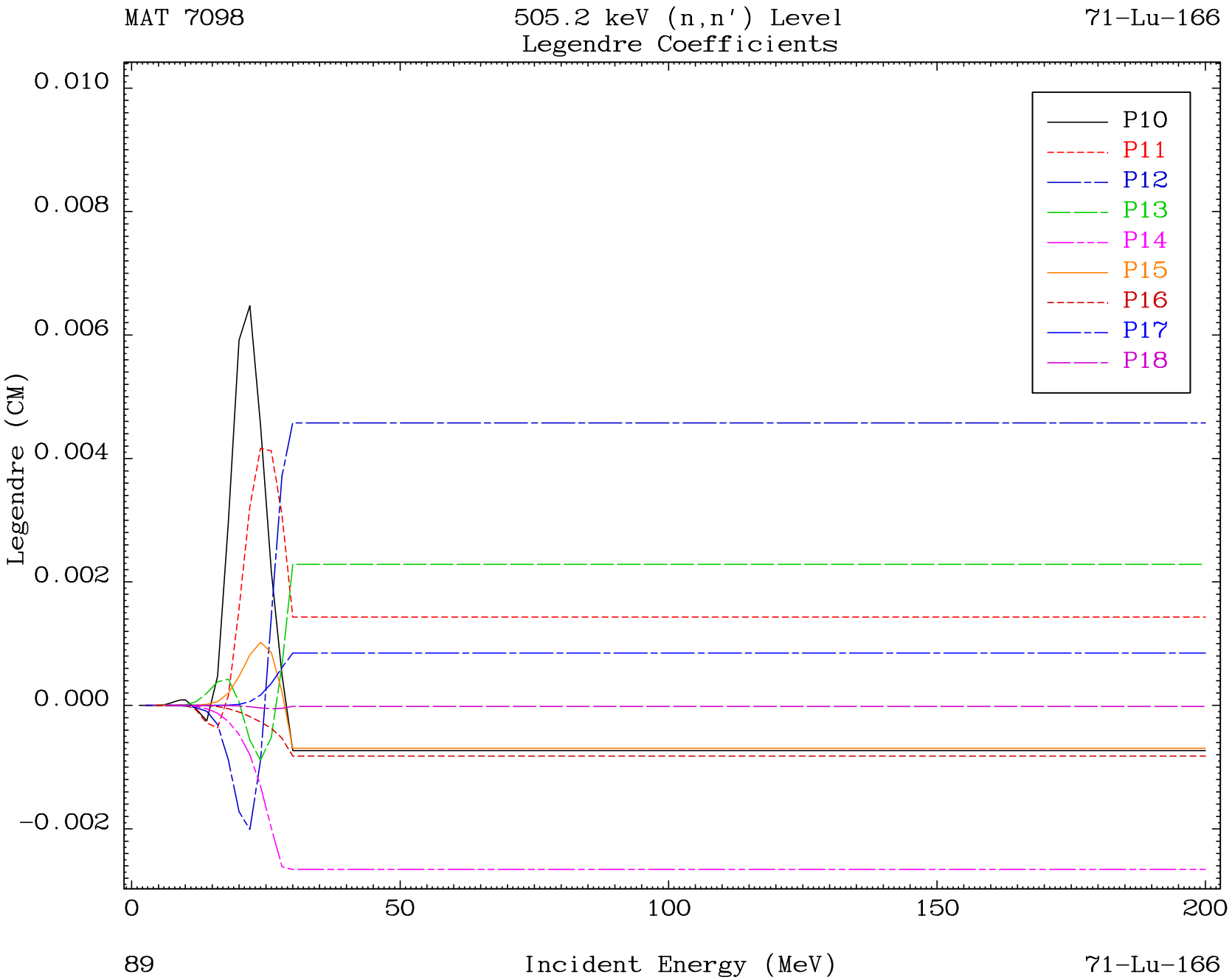

MAT 7098
426.6 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
84
Incident Energy (MeV)
71-Lu-166

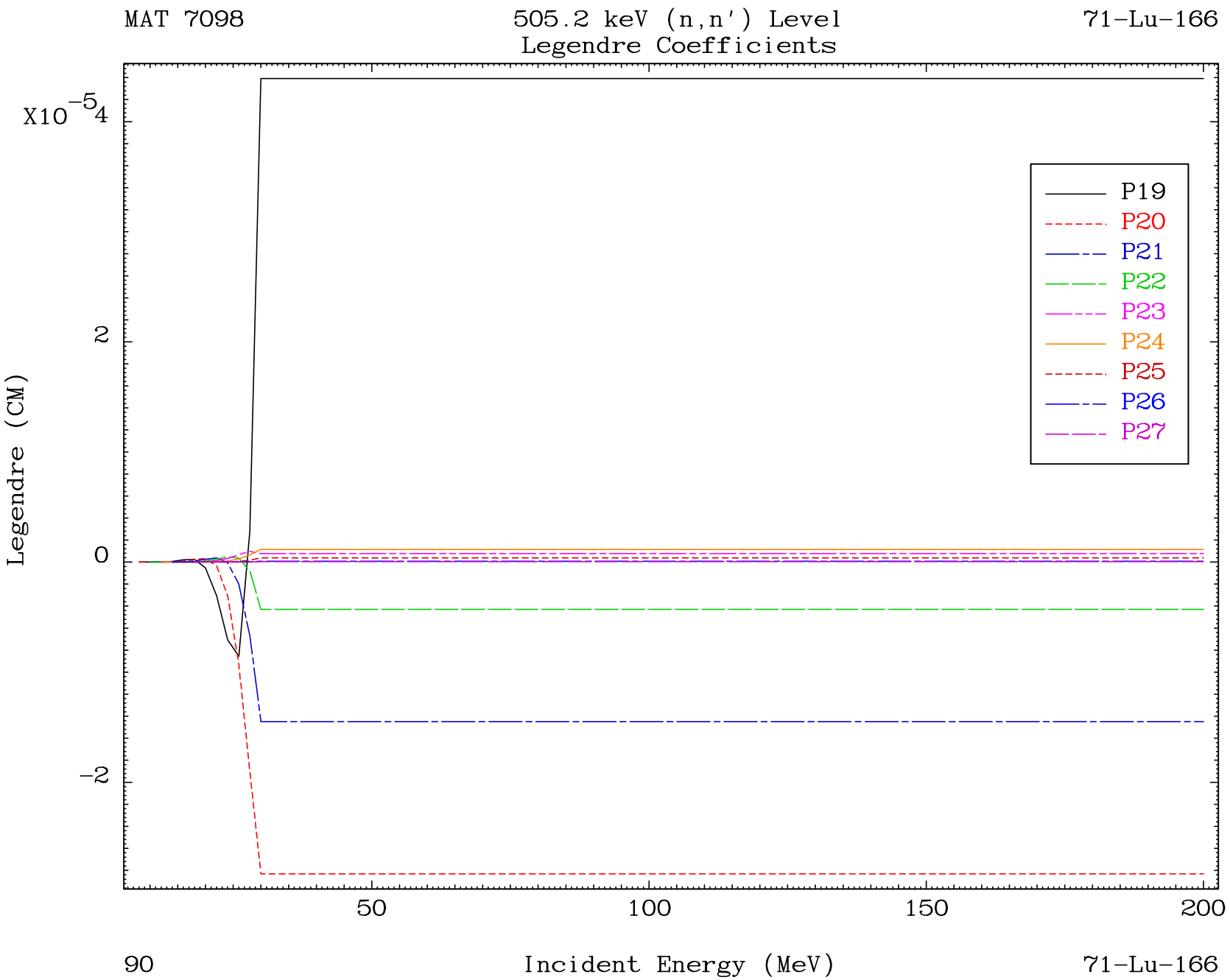

MAT 7098
434.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
71-Lu-166

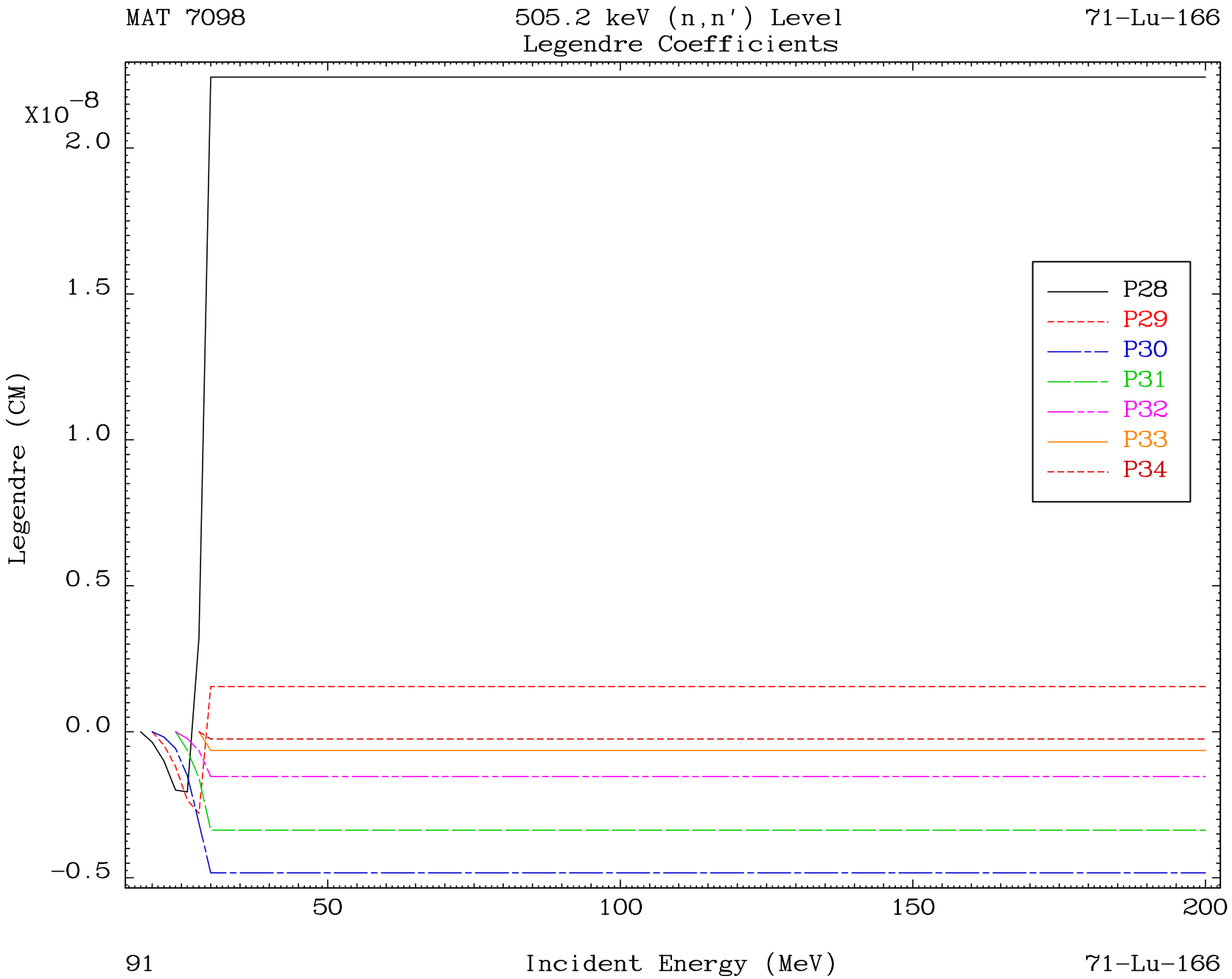

MAT 7098
434.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
8
6
4
2
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
86
Incident Energy (MeV)
71-Lu-166

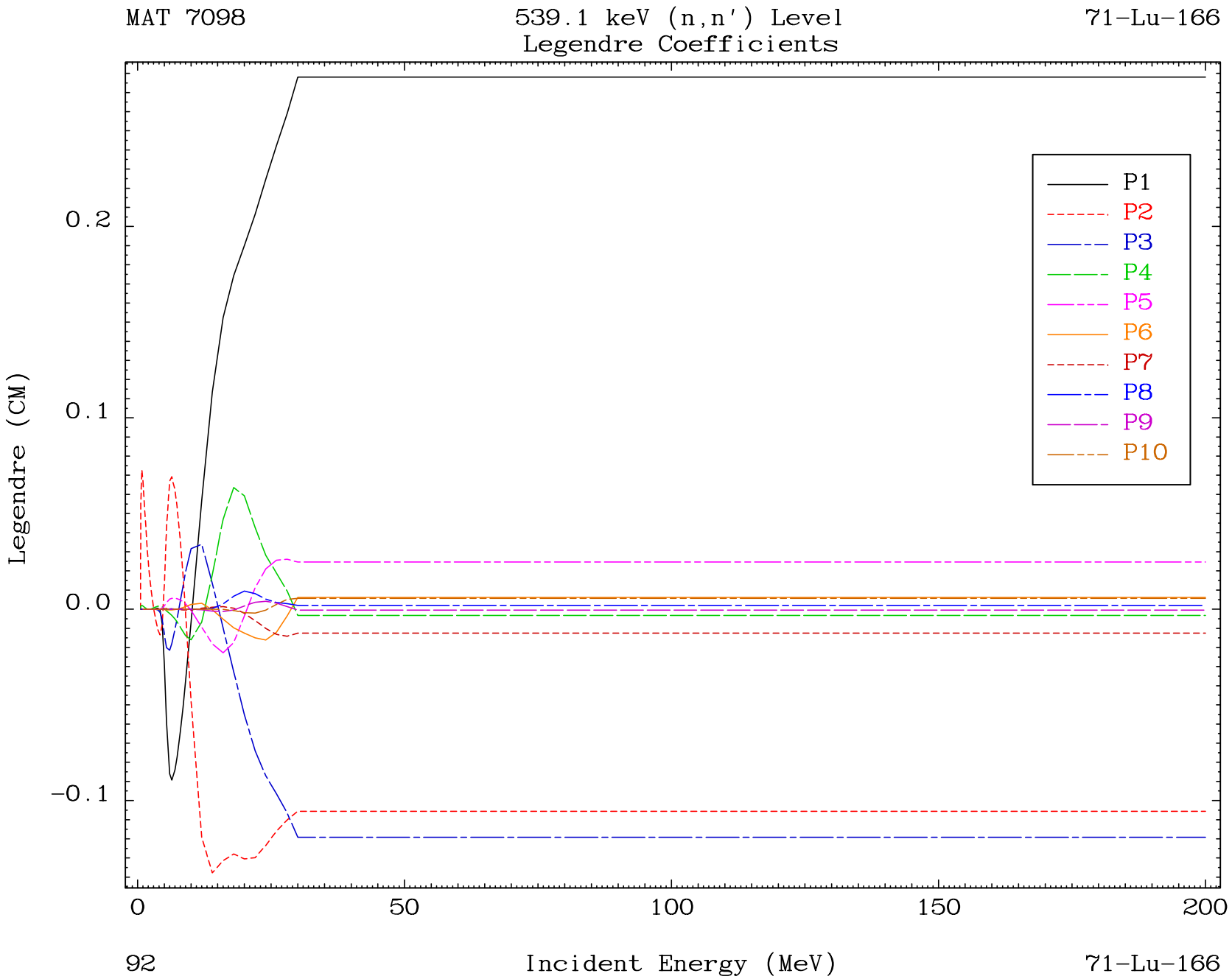

MAT 7098
434.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
71-Lu-166
P19
P20
P21
P22
P23
P24
P25
P26

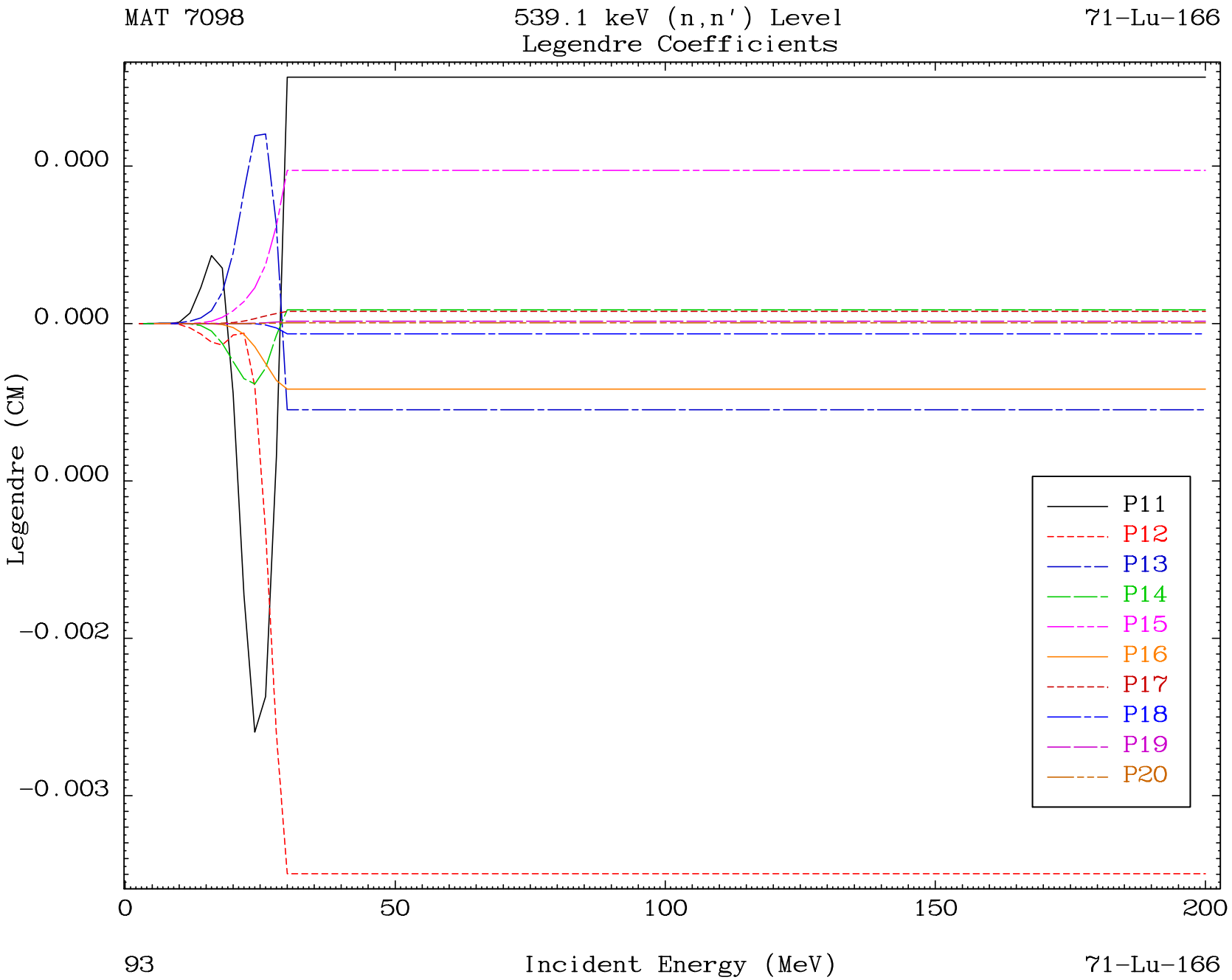

MAT 7098
505.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
88
Incident Energy (MeV)
71-Lu-166

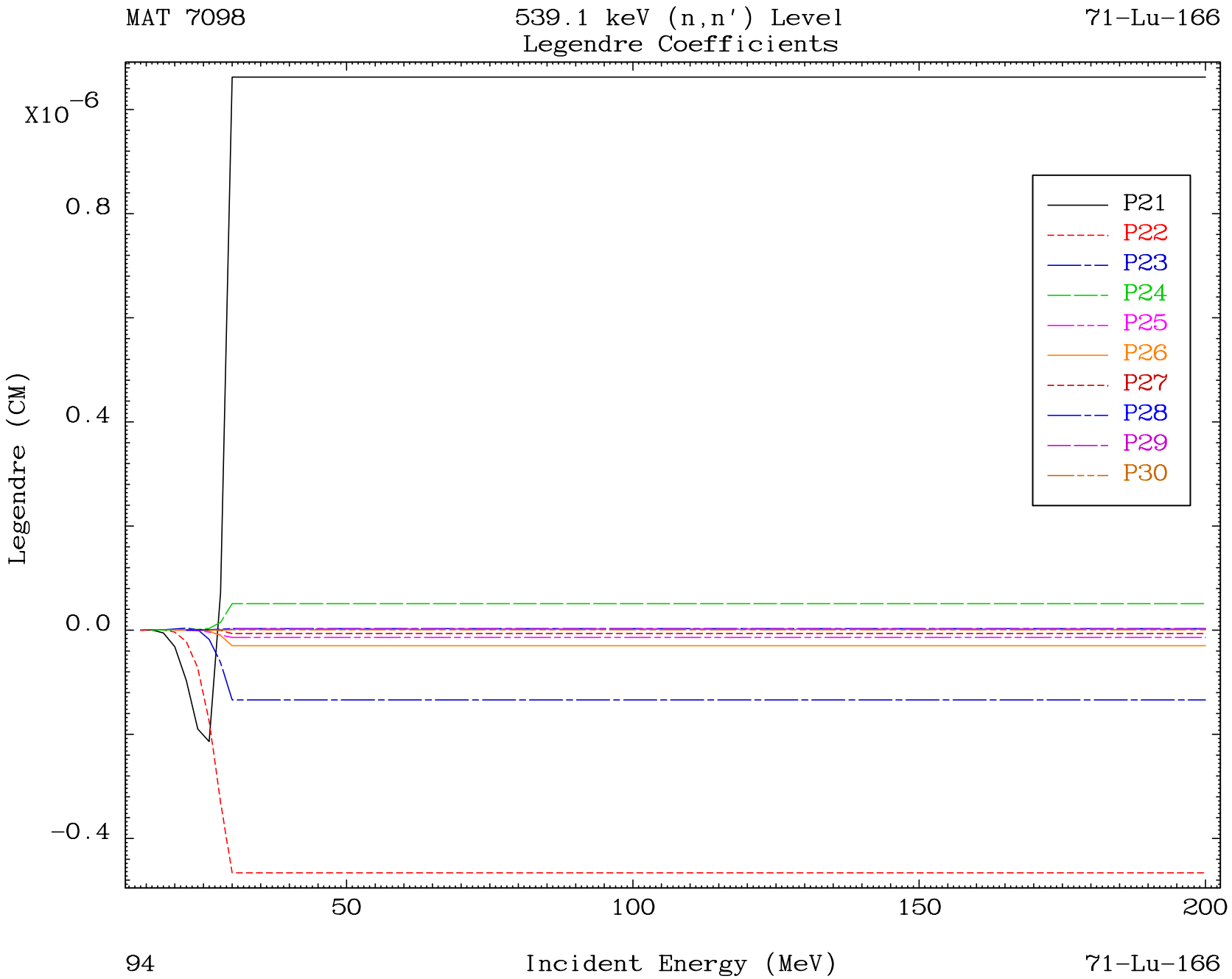

MAT 7098
505.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
89
Incident Energy (MeV)
71-Lu-166

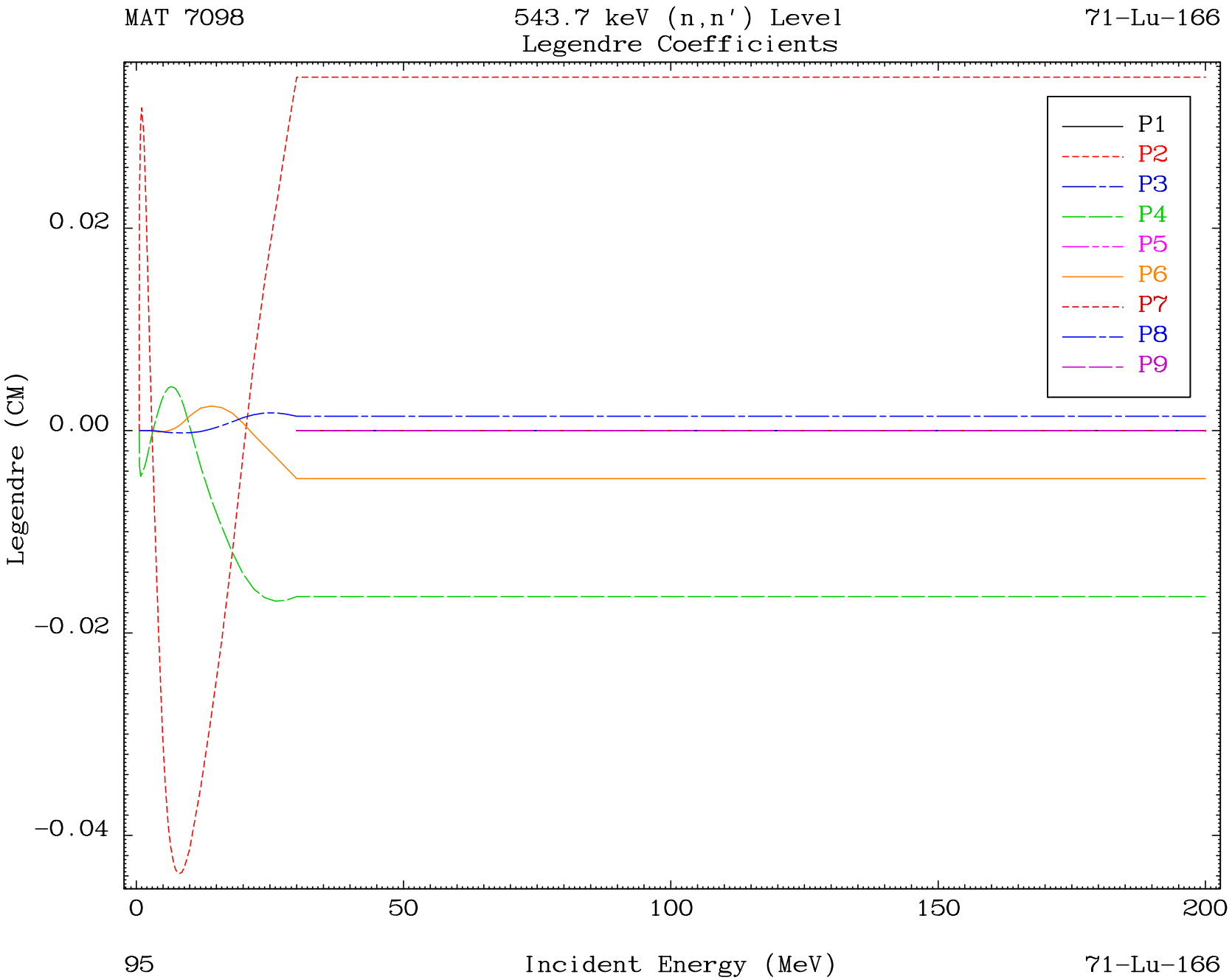

MAT 7098
505.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-5
4
2
0
-2
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
90
Incident Energy (MeV)
71-Lu-166

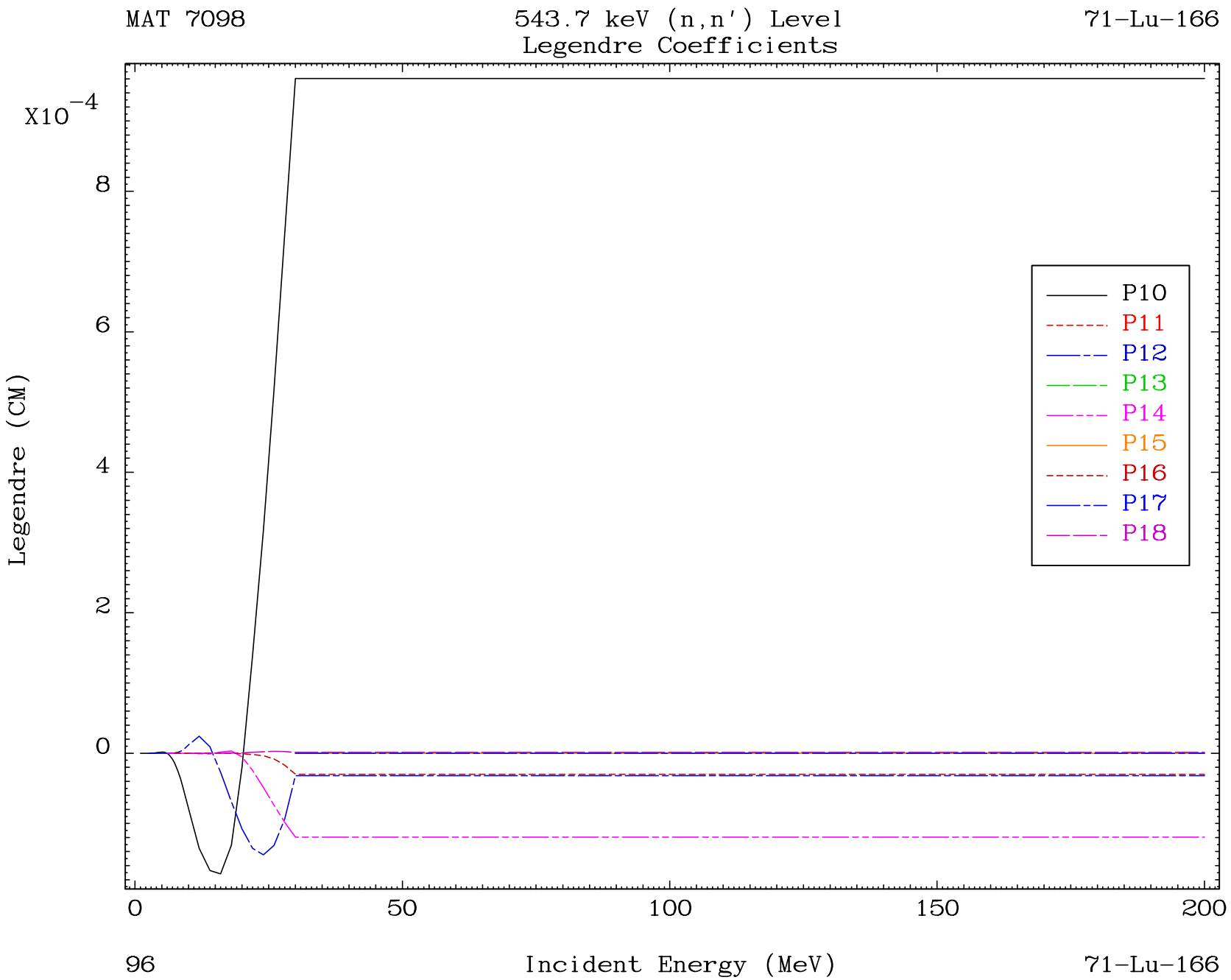

MAT 7098
505.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-8
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
91
Incident Energy (MeV)
71-Lu-166

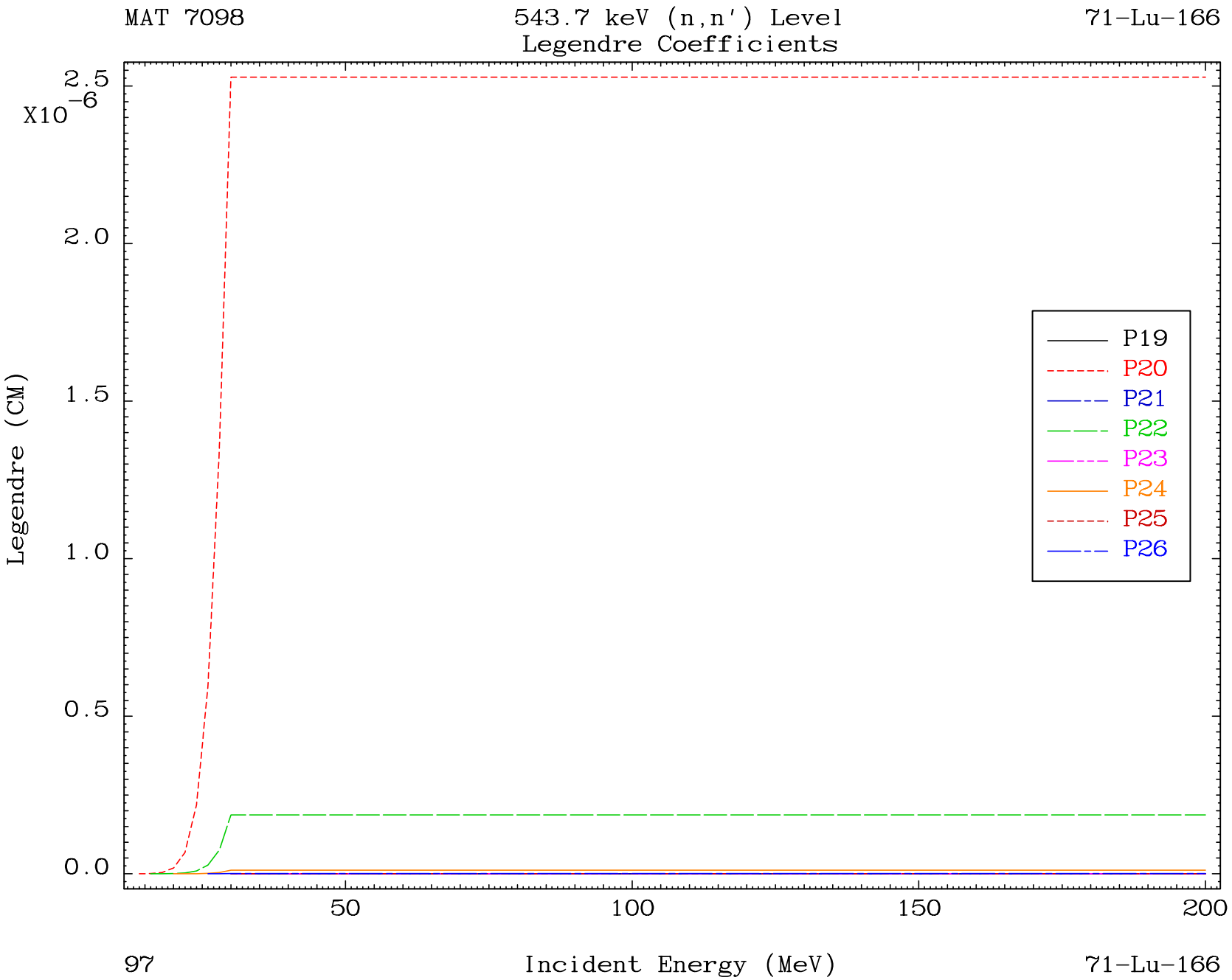

MAT 7098
539.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
92
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

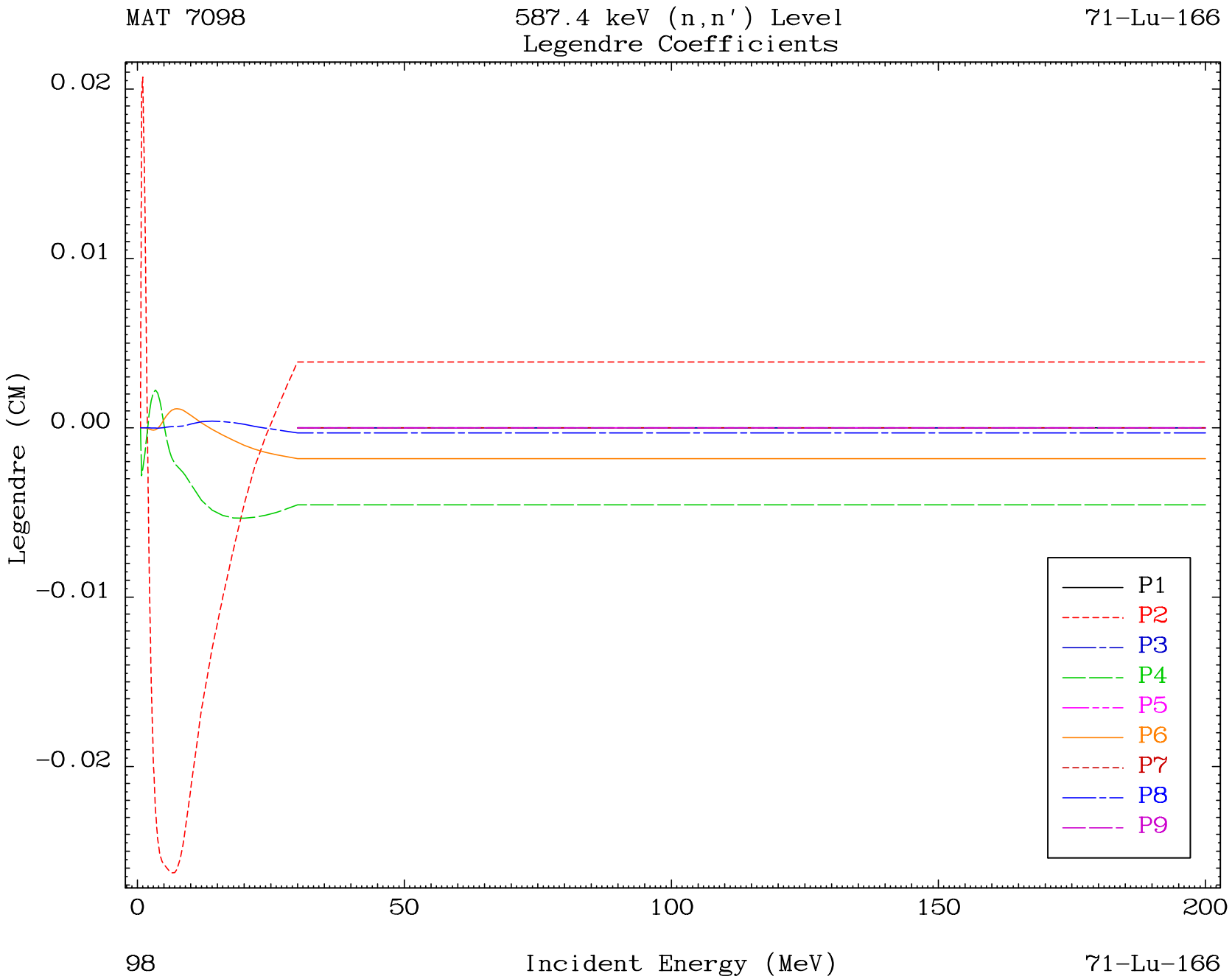

MAT 7098
539.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.000
0.000
0.000
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
93
Incident Energy (MeV)
71-Lu-166
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

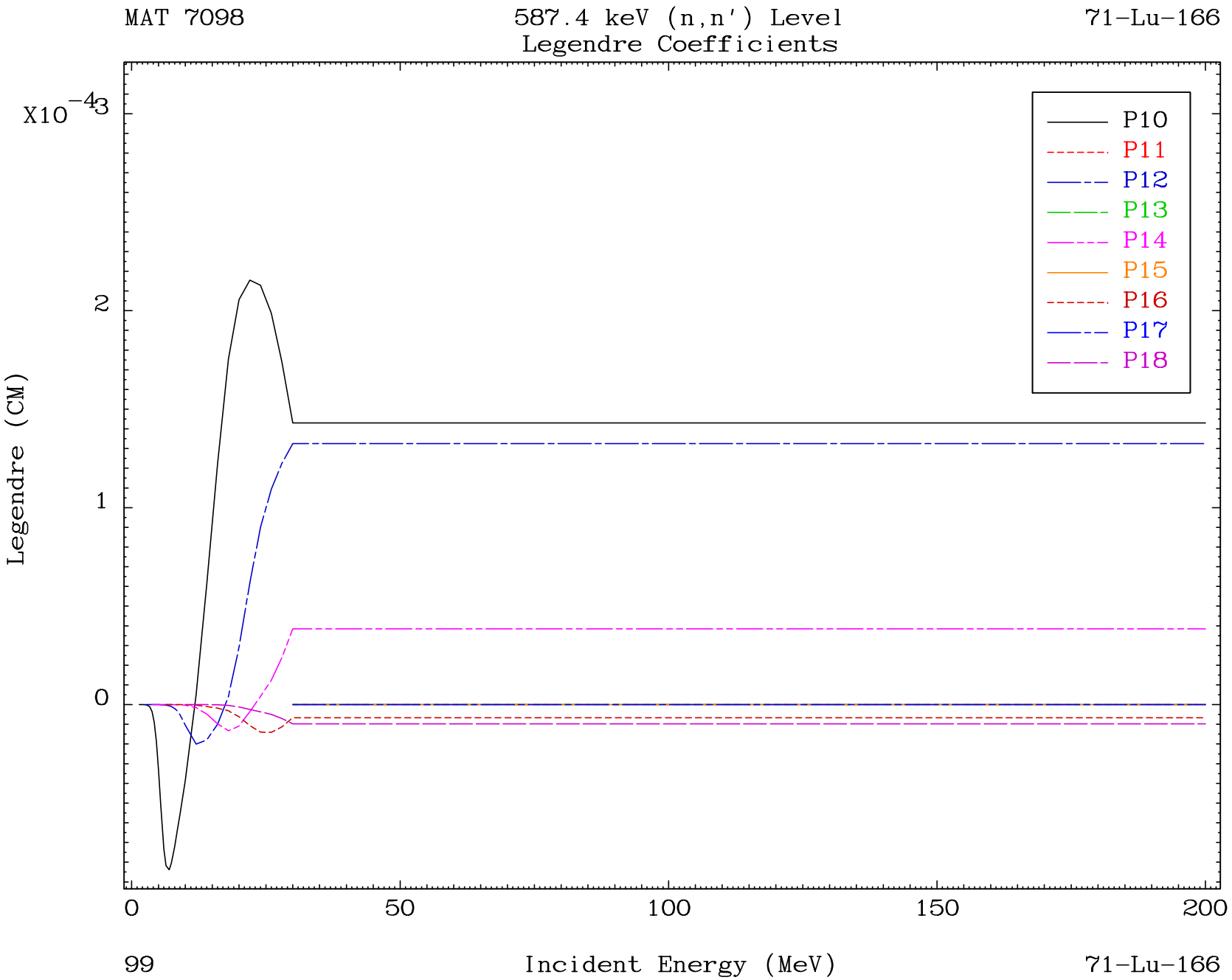

MAT 7098
539.1 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10−6
0.8
0.4
0.0
−0.4
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
94
Incident Energy (MeV)
71-Lu-166

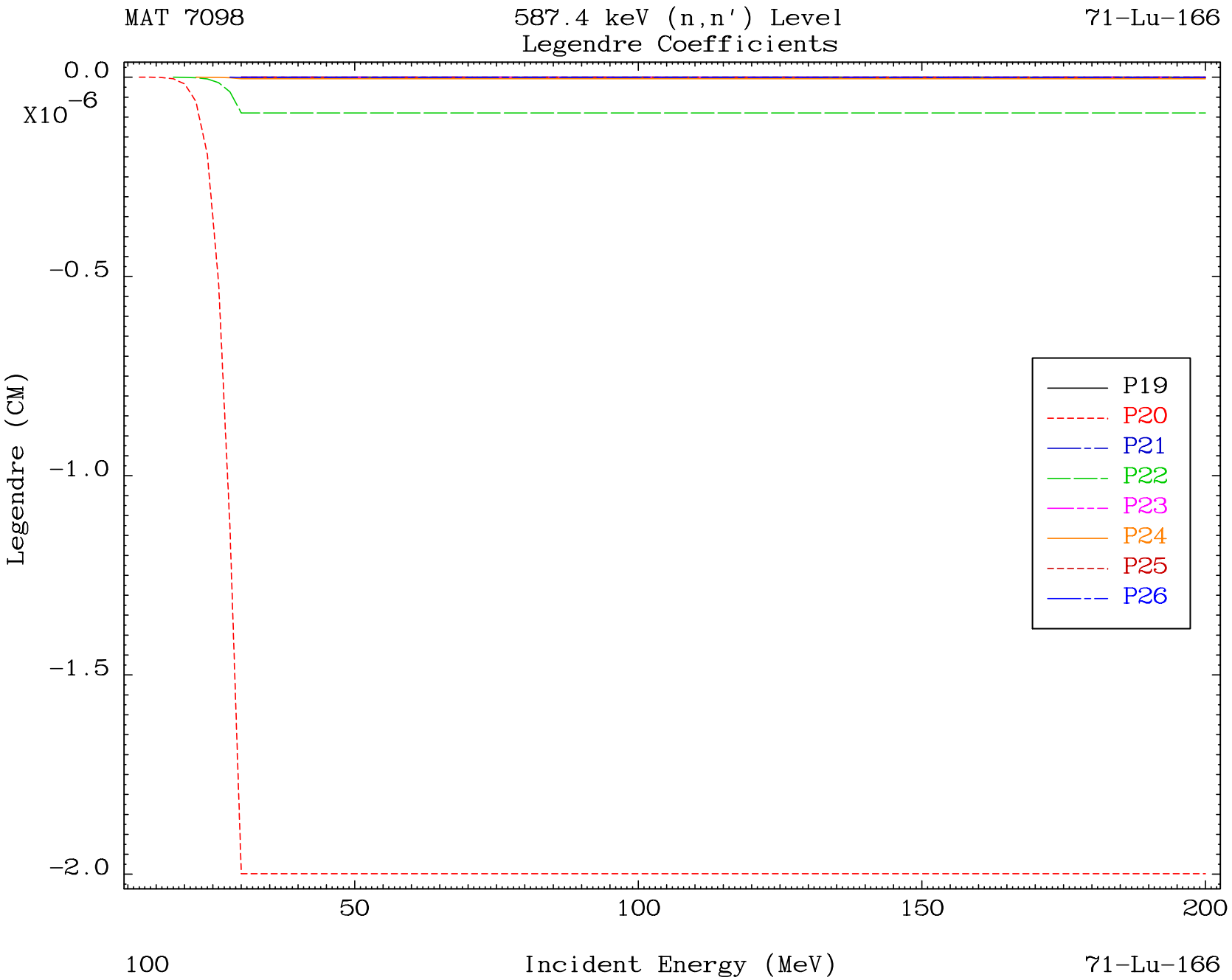

MAT 7098
543.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
95
Incident Energy (MeV)
71-Lu-166

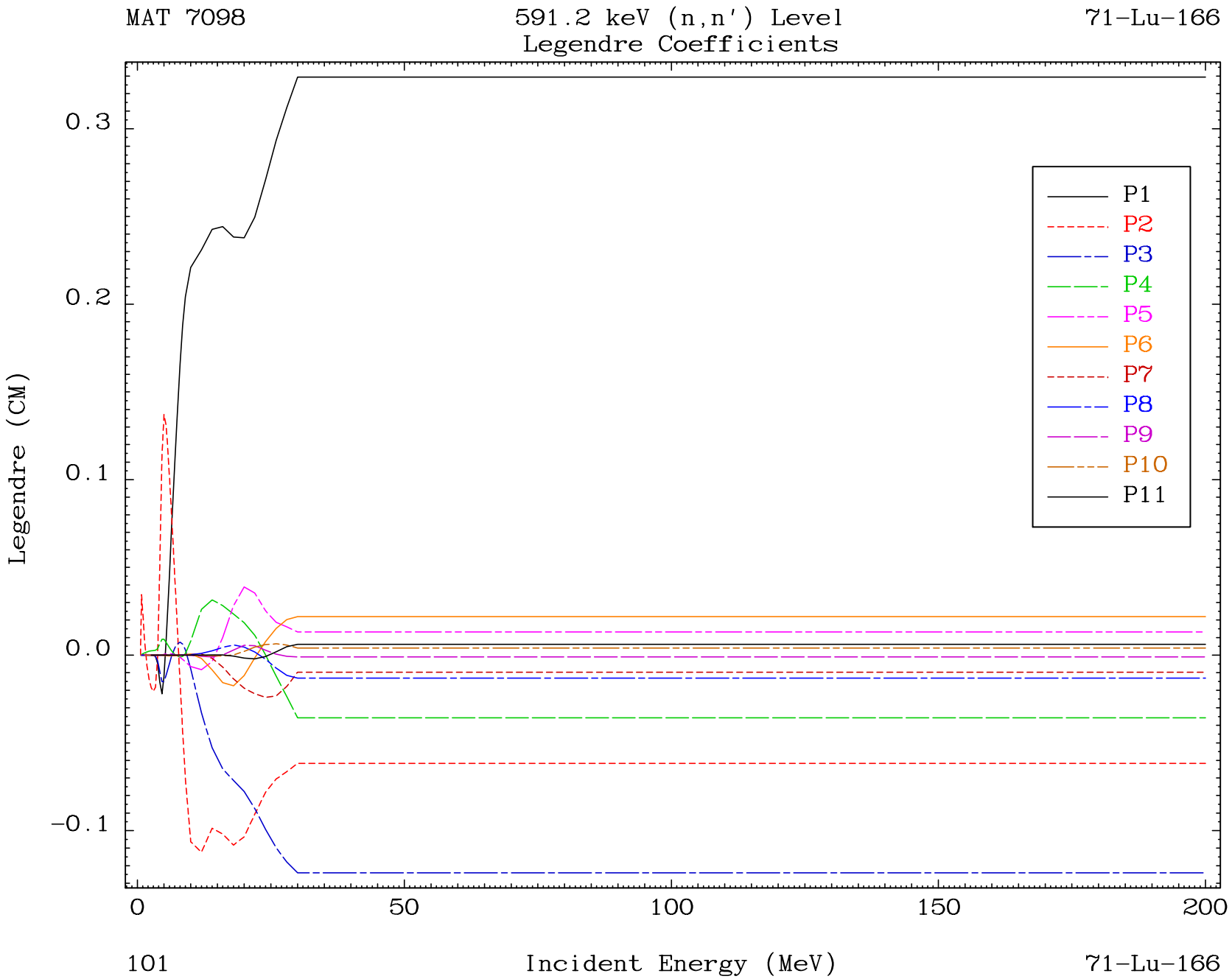

MAT 7098
543.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
8
6
4
2
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
96
Incident Energy (MeV)
71-Lu-166

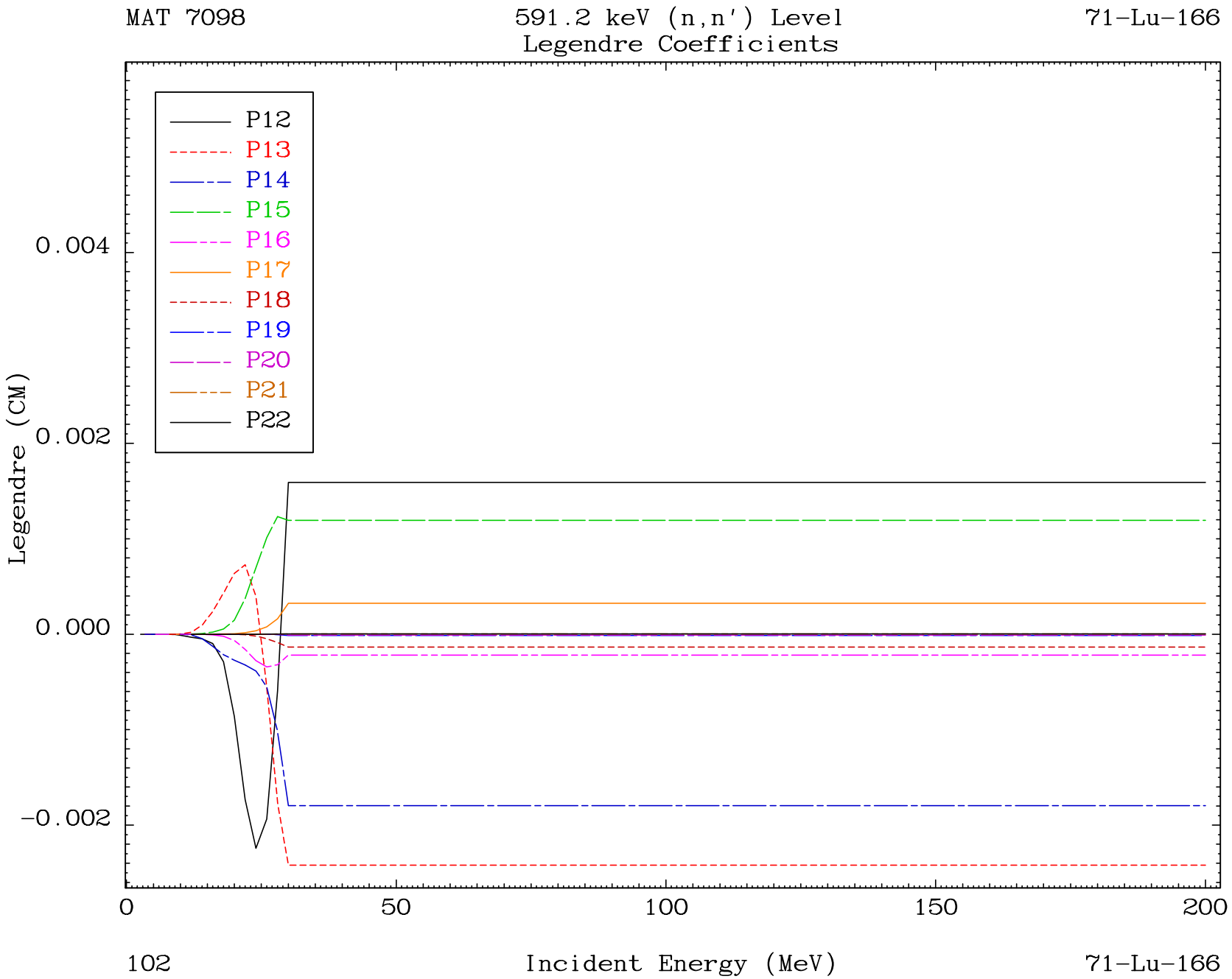

MAT 7098
543.7 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
97
Incident Energy (MeV)
71-Lu-166

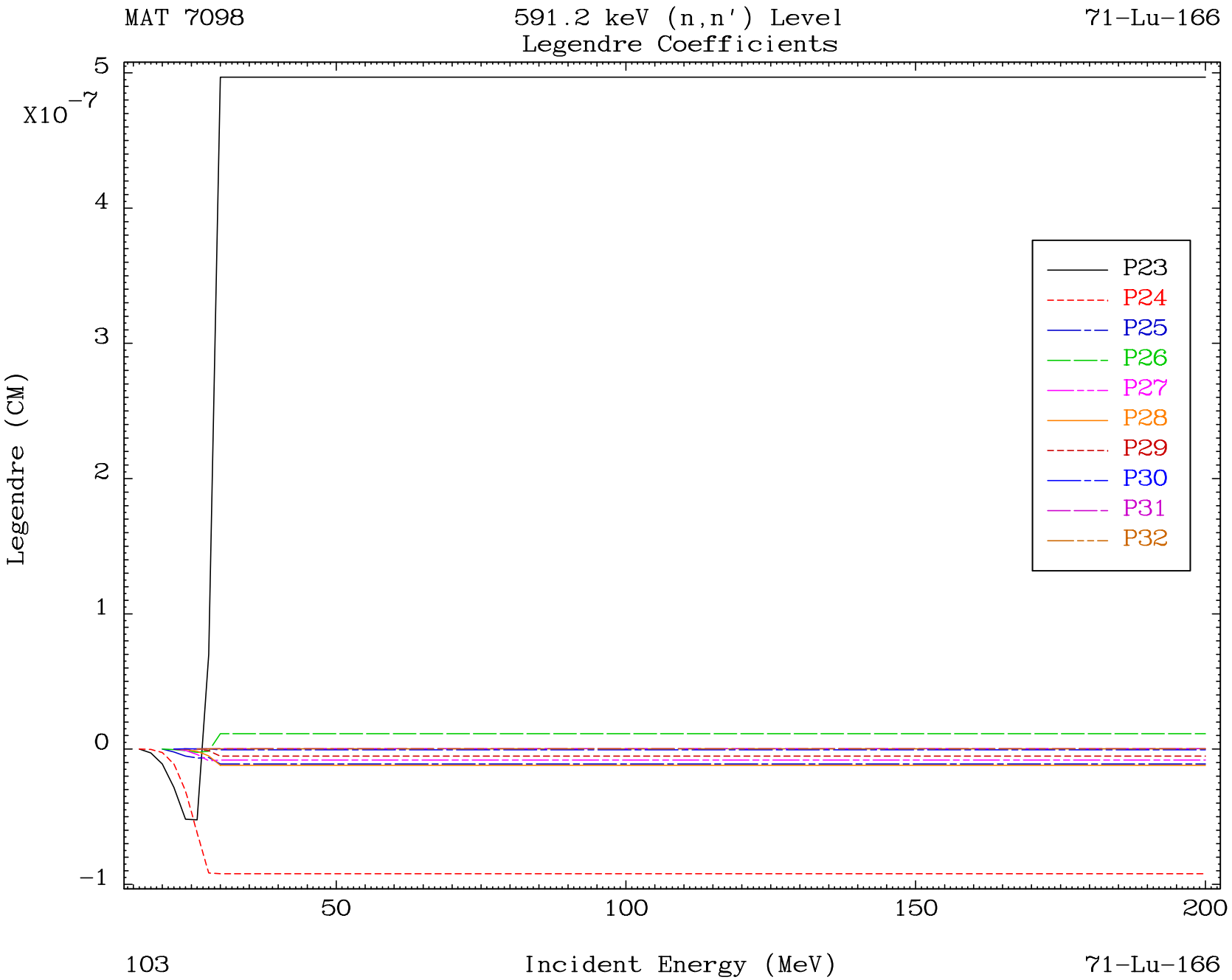

MAT 7098
587.4 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.02
0.01
0.00
-0.01
-0.02
Legendre (CM)
0
50
100
150
200
98
Incident Energy (MeV)
71-Lu-166
P1
P2
P3
P4
P5
P6
P7
P8
P9

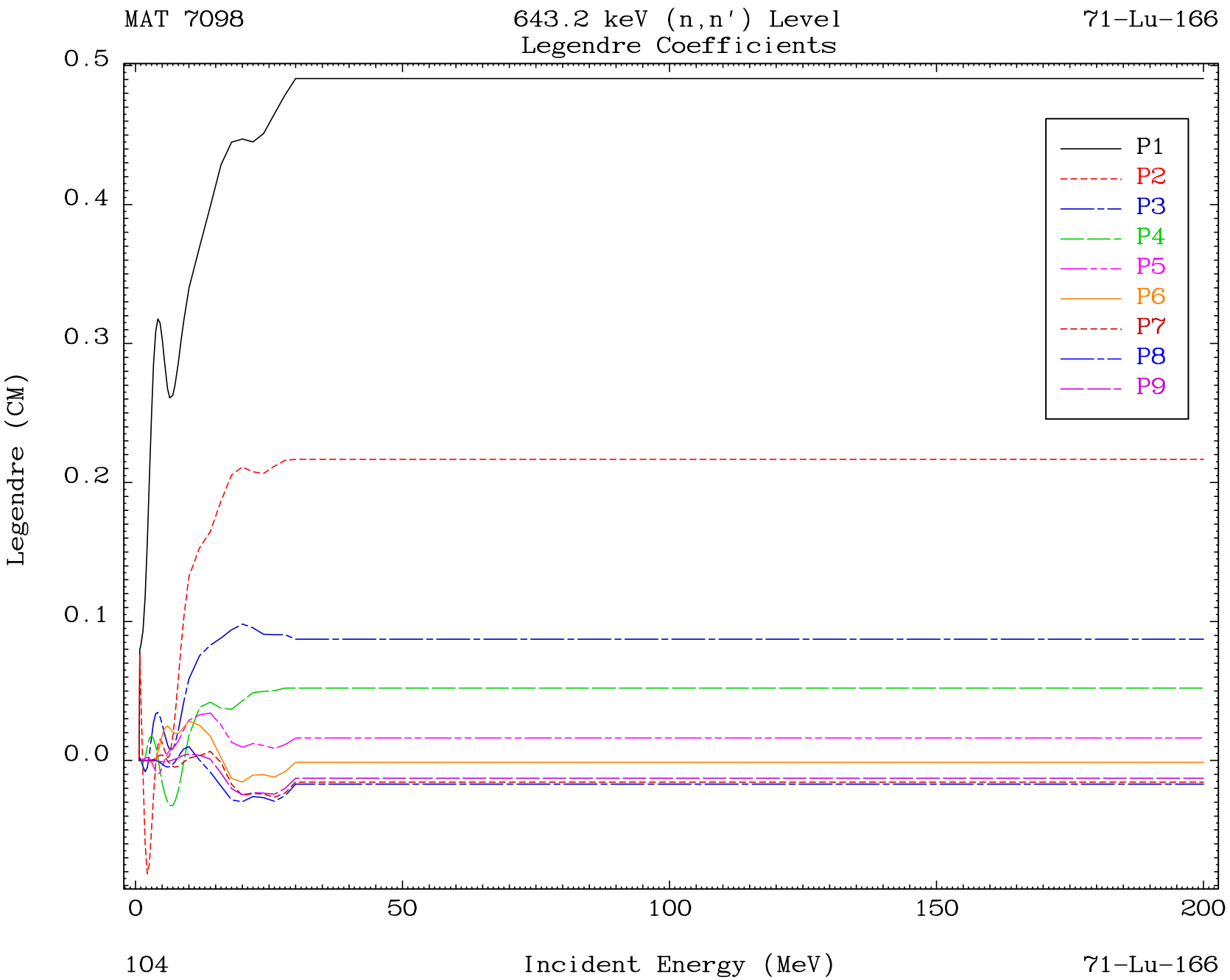

MAT 7098
587.4 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
99
Incident Energy (MeV)
71-Lu-166

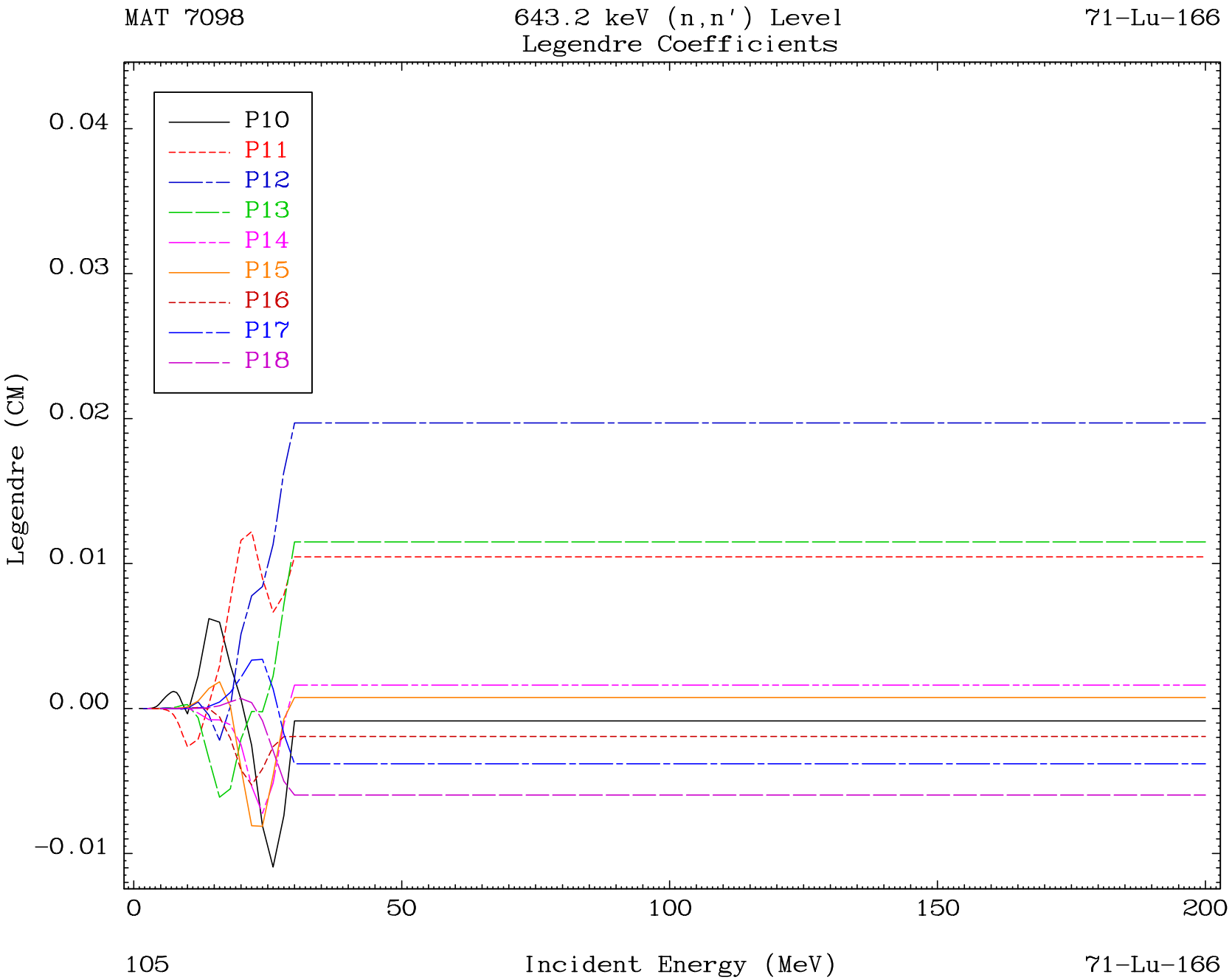

MAT 7098
587.4 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
100
Incident Energy (MeV)
71-Lu-166

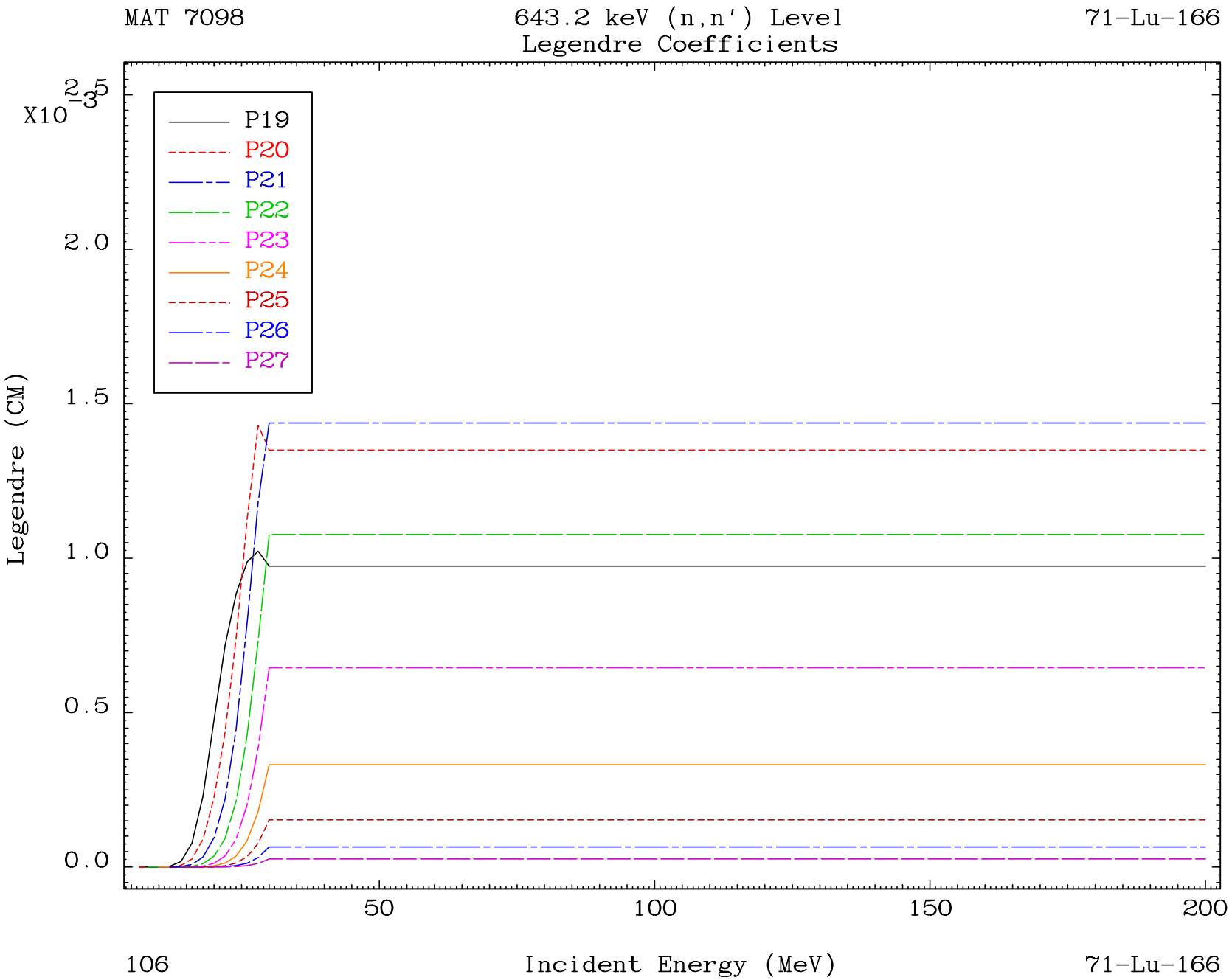

MAT 7098
591.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
101
Incident Energy (MeV)
71-Lu-166

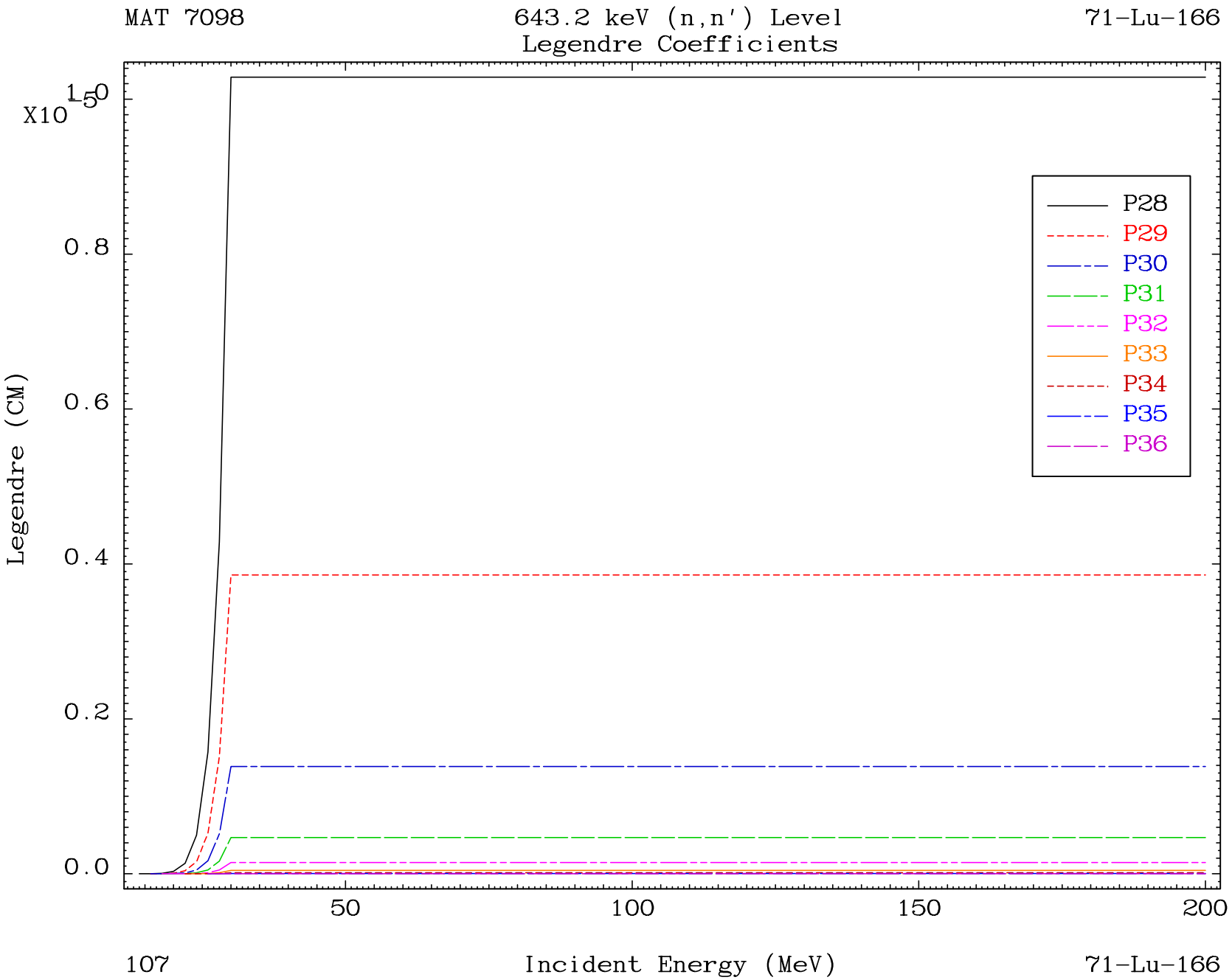

MAT 7098
591.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
Legendre (CM)
0
50
100
150
200
102
Incident Energy (MeV)
71-Lu-166

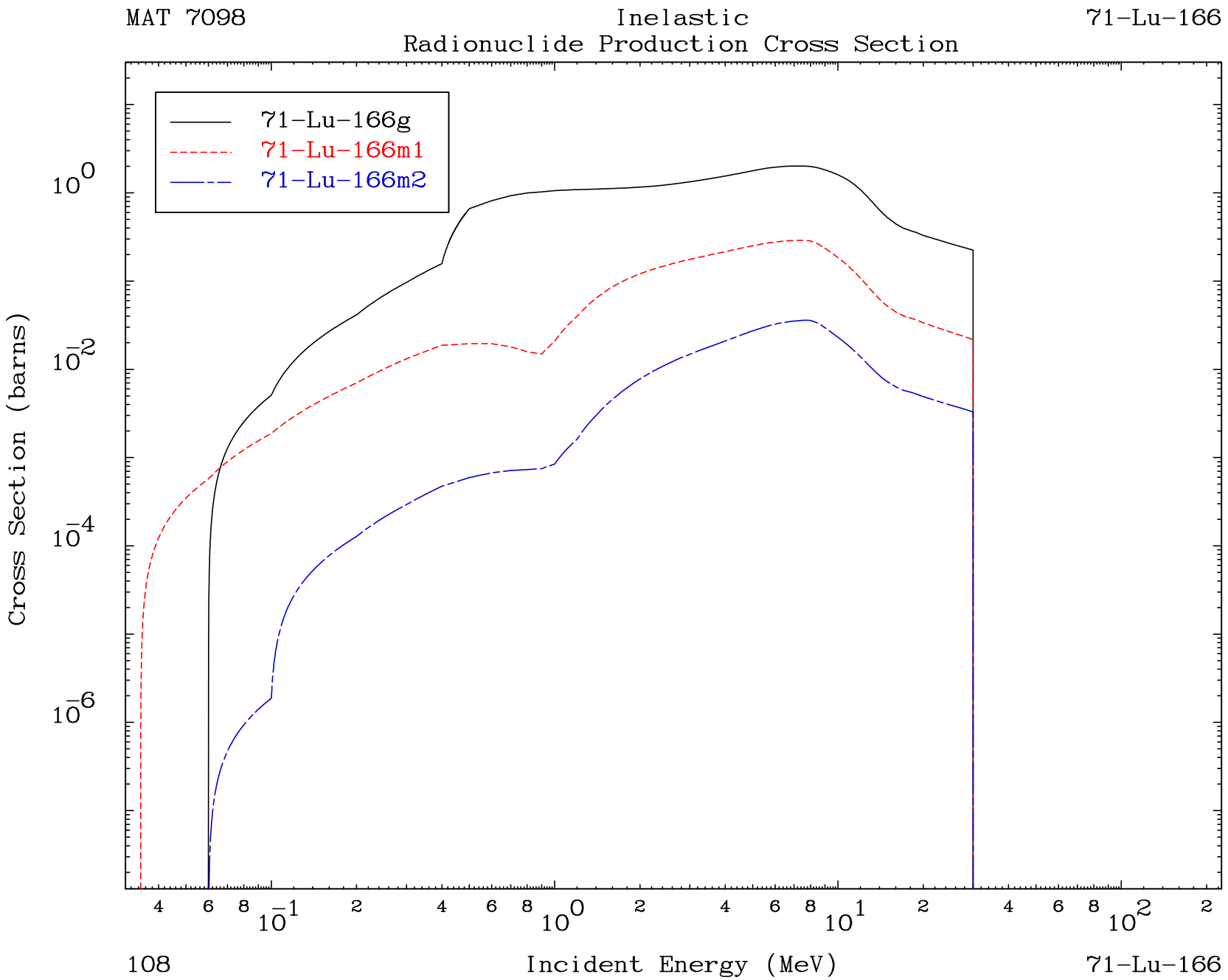

MAT 7098
591.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10^-7
5
4
3
2
1
0
-1
Legendre (CM)
50
100
150
200
103
Incident Energy (MeV)
71-Lu-166
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

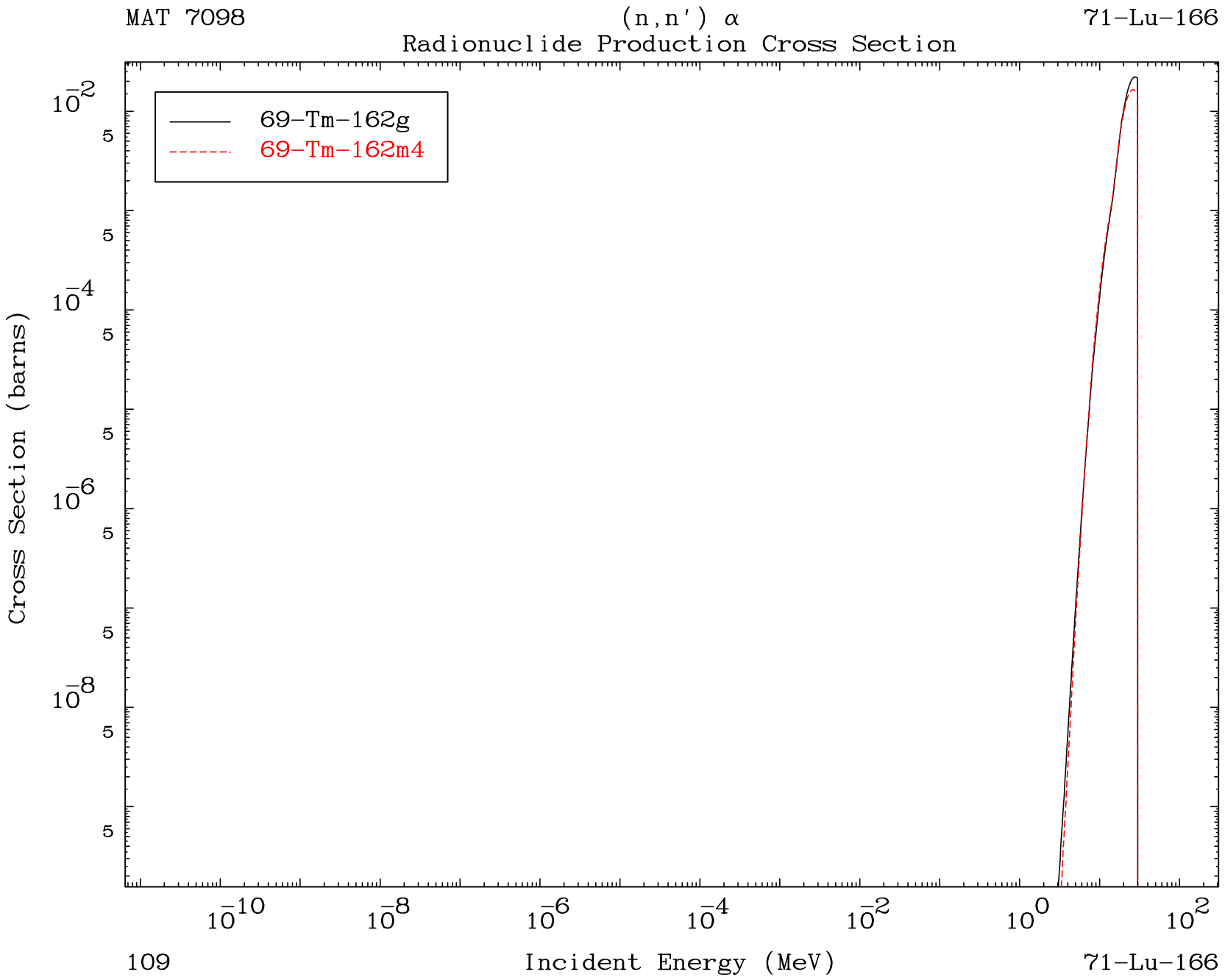

MAT 7098
643.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
104
Incident Energy (MeV)
71-Lu-166

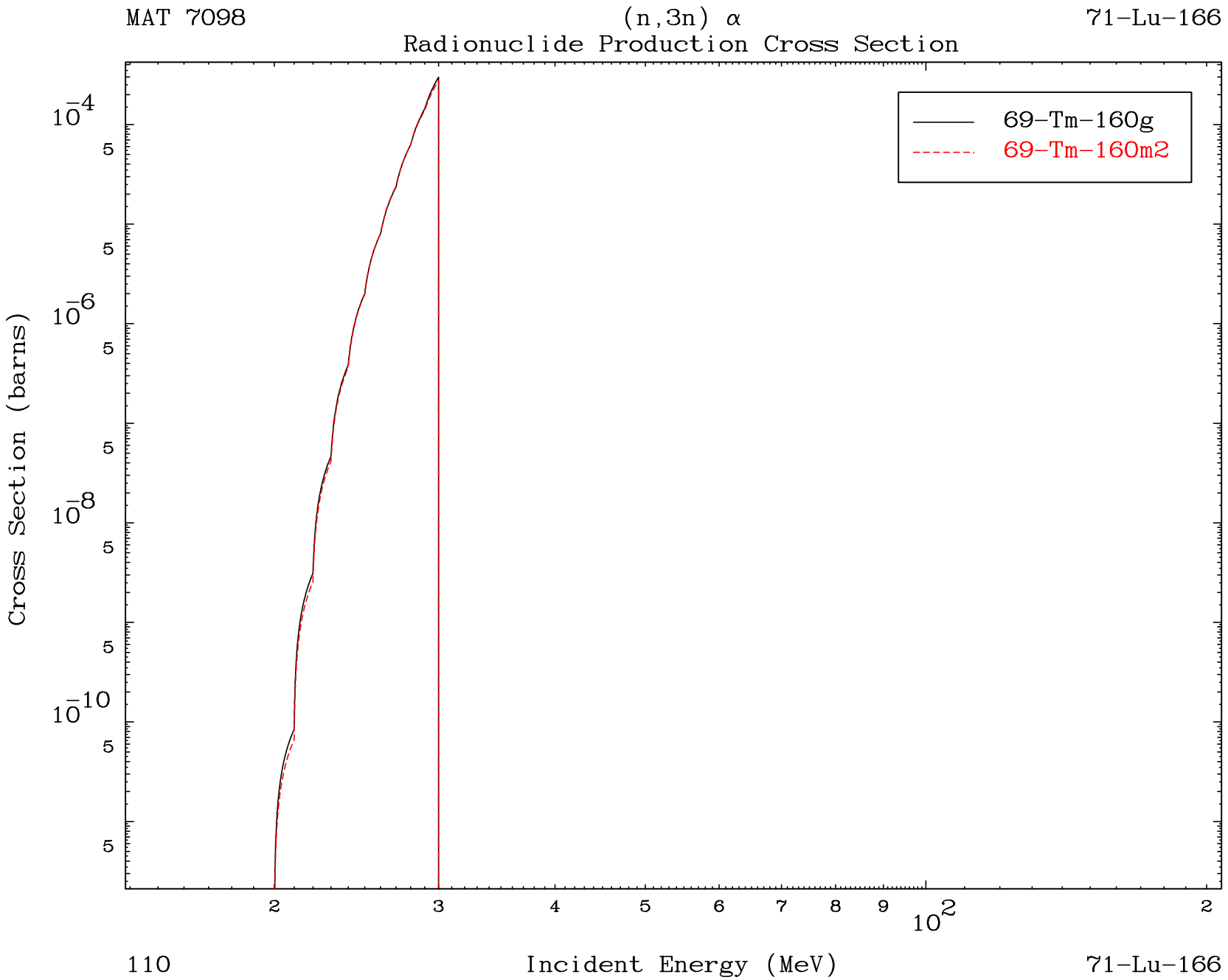

MAT 7098
643.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
105
Incident Energy (MeV)
71-Lu-166

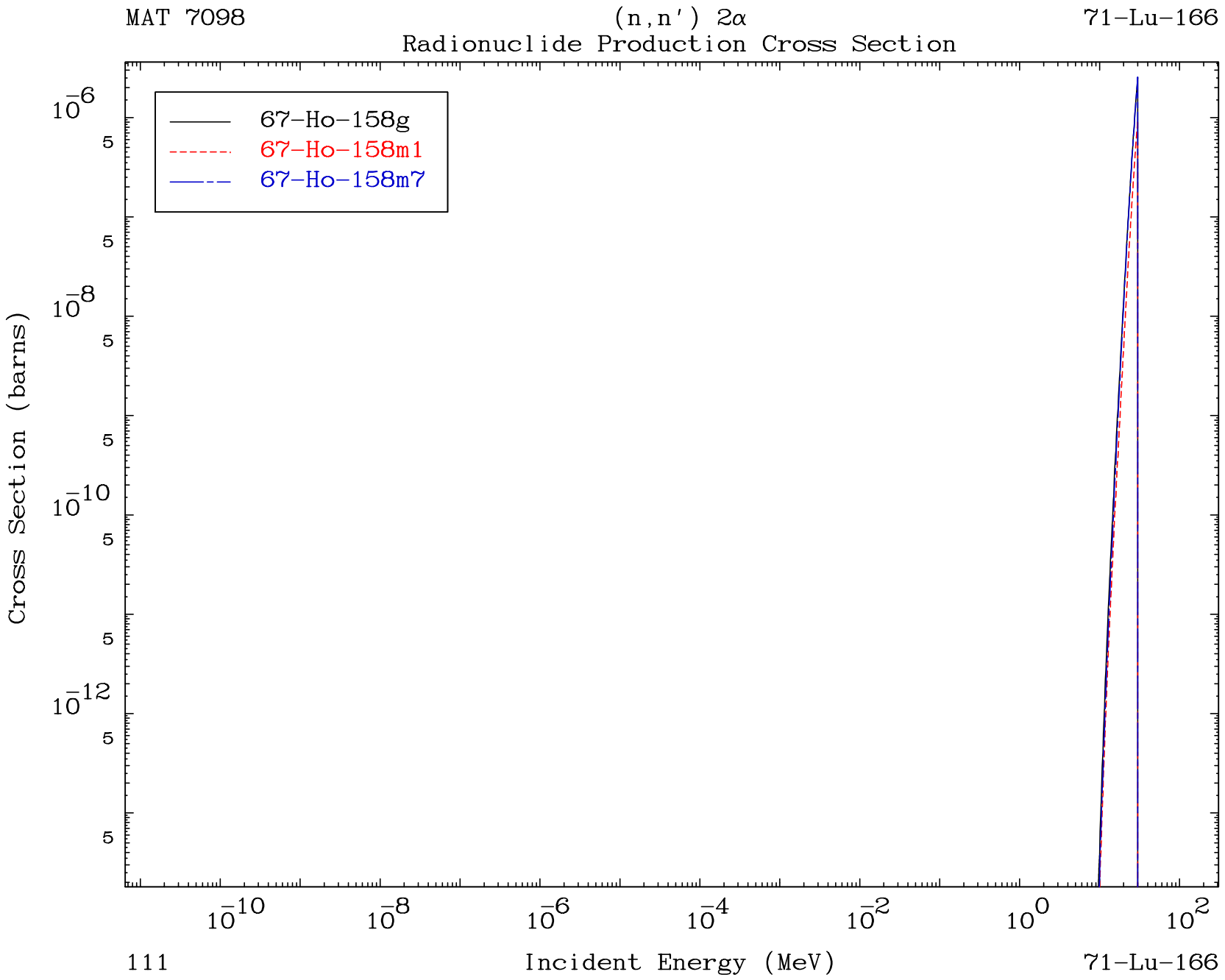

MAT 7098
643.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
106
Incident Energy (MeV)
71-Lu-166

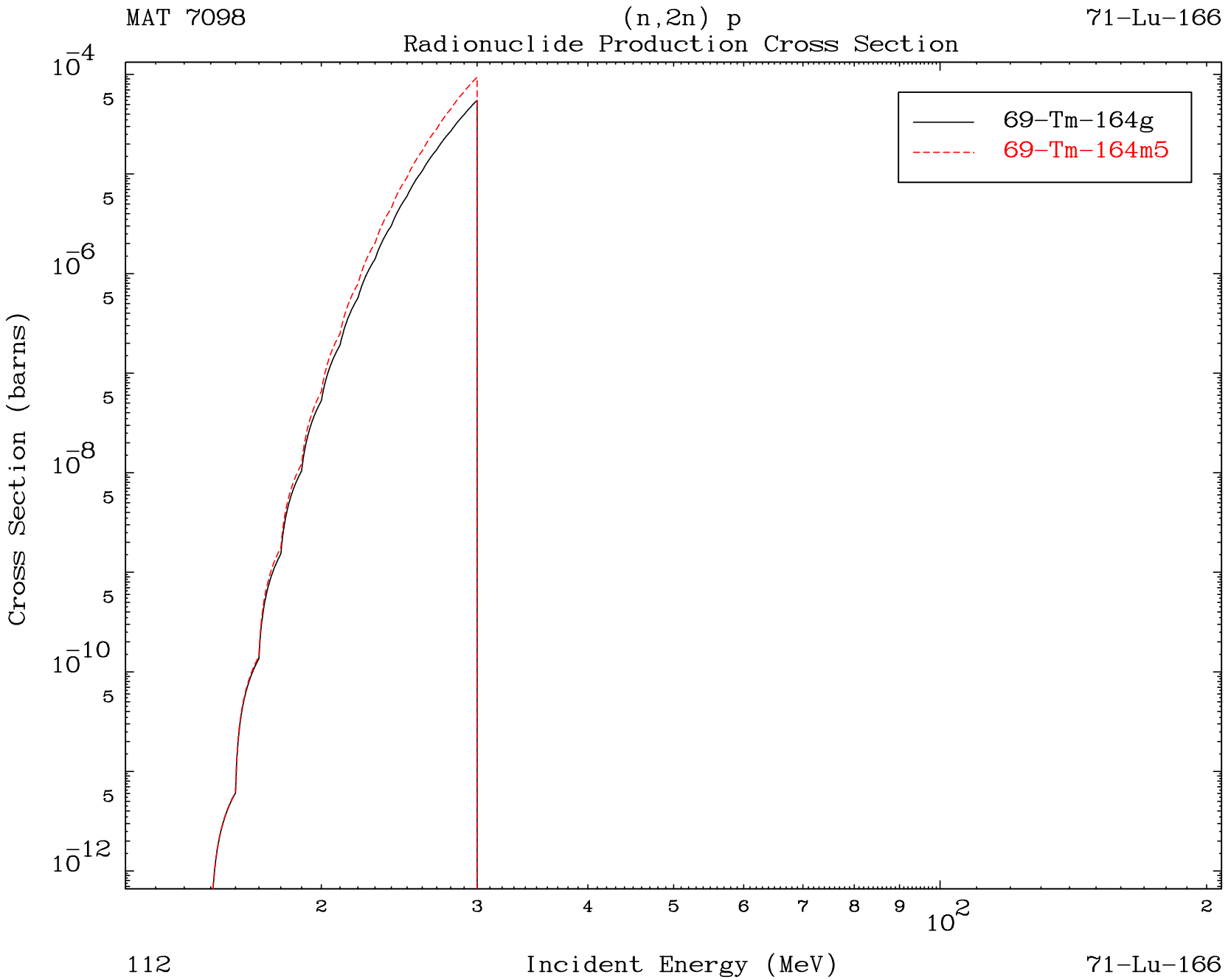

MAT 7098
643.2 keV (n,n') Level
Legendre Coefficients
71-Lu-166
X10
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
107
Incident Energy (MeV)
71-Lu-166

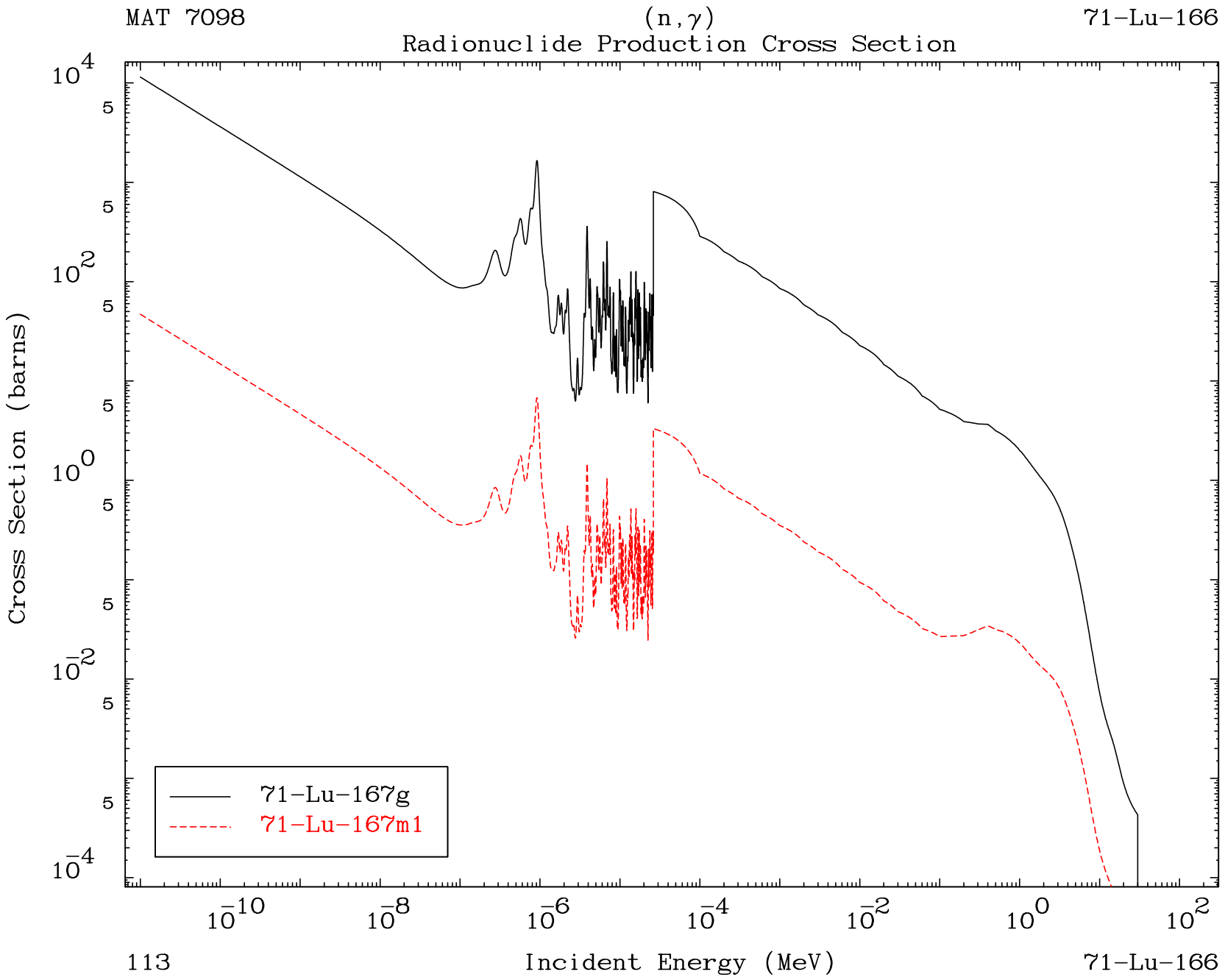

MAT 7098
Inelastic
71-Lu-166
Radionuclide Production Cross Section
71-Lu-166g
71-Lu-166m1
71-Lu-166m2
Cross Section (barns)
Incident Energy (MeV)
108
71-Lu-166

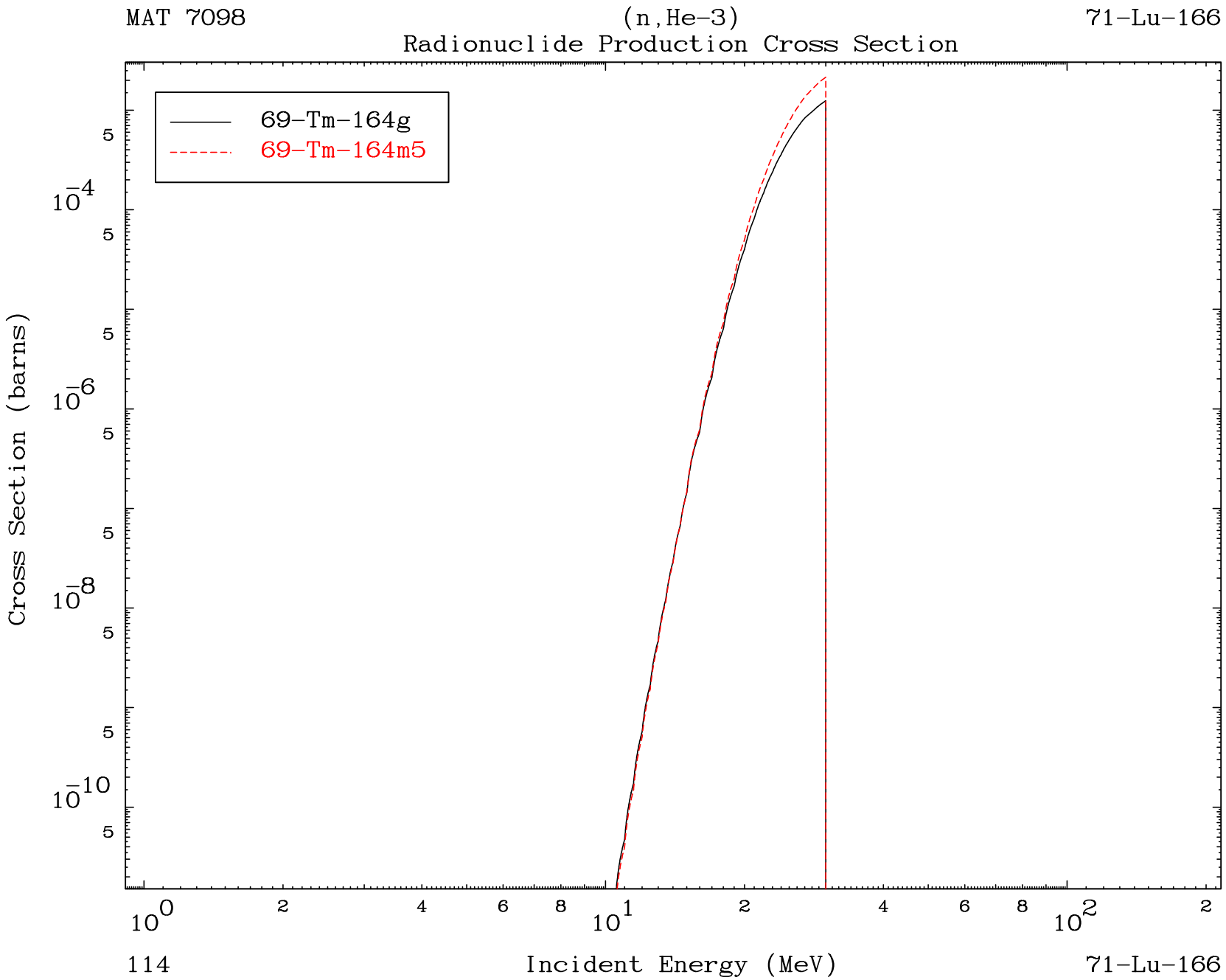

MAT 7098
(n,n') α
71-Lu-166
Radionuclide Production Cross Section
69-Tm-162g
69-Tm-162m4
Cross Section (barns)
Incident Energy (MeV)
109
71-Lu-166

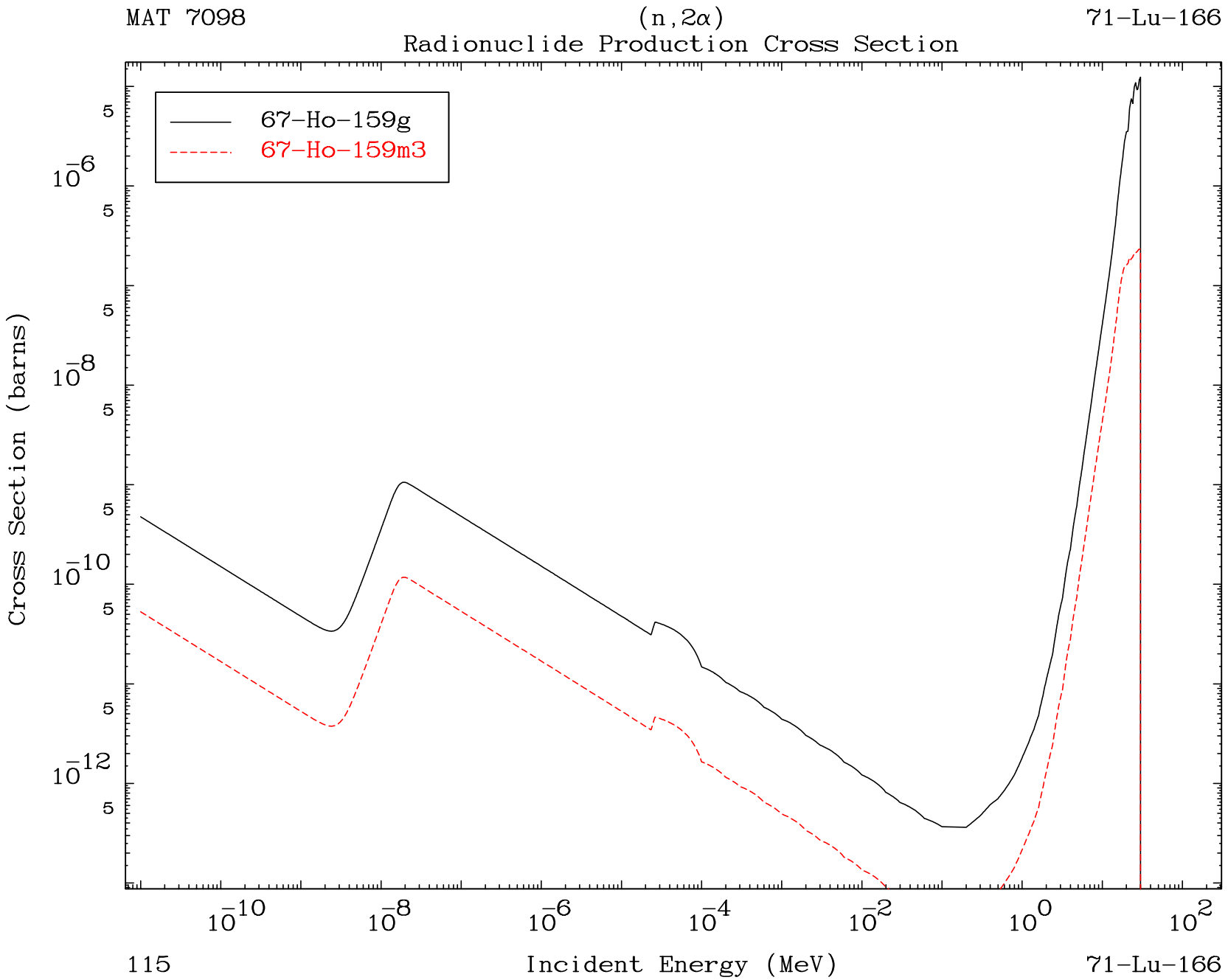

MAT 7098
(n,3n) α
71-Lu-166
Radionuclide Production Cross Section
69-Tm-160g
69-Tm-160m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
110
71-Lu-166

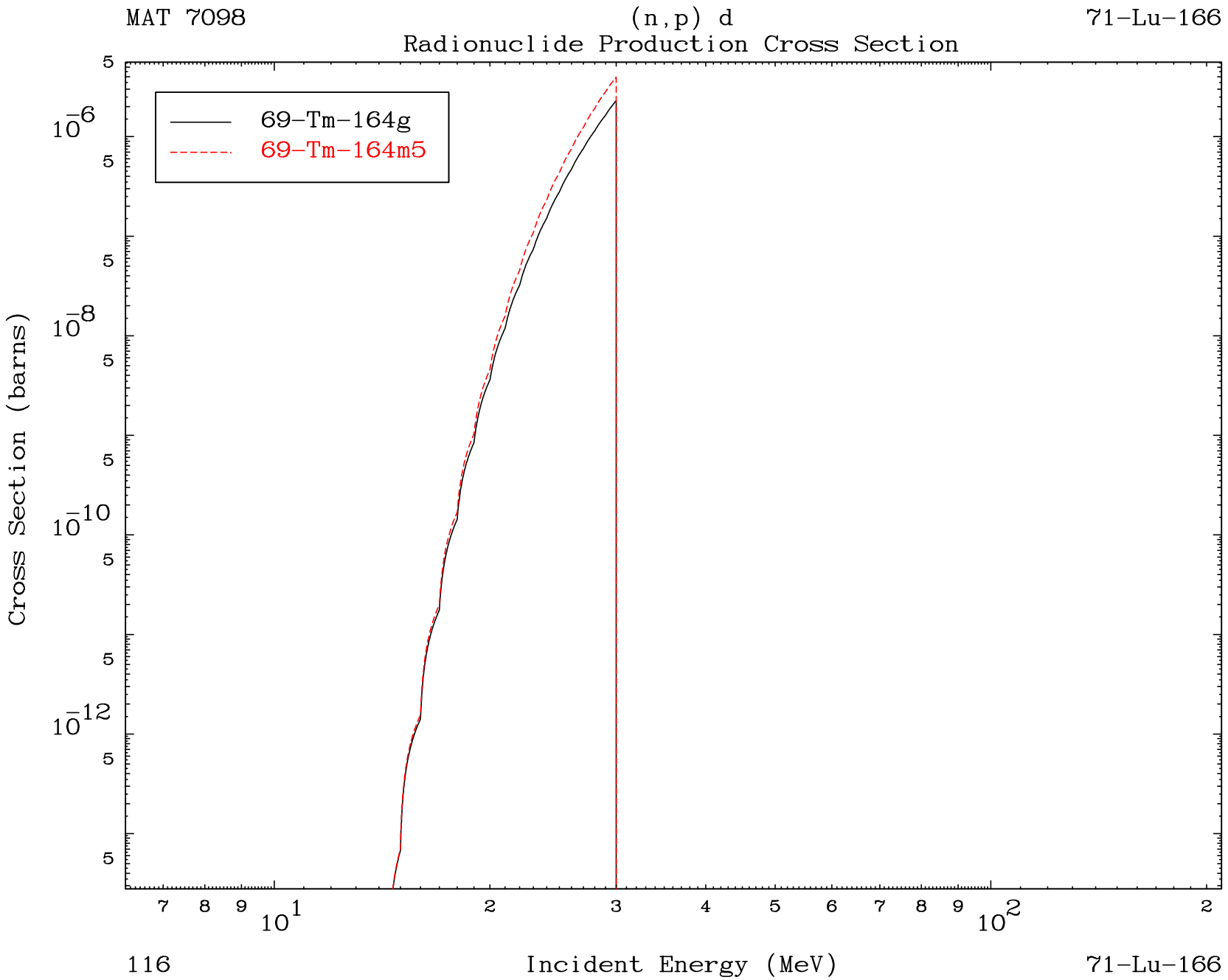

MAT 7098
(n,n') 2α
71-Lu-166
Radionuclide Production Cross Section
67-Ho-158g
67-Ho-158m1
67-Ho-158m7
Cross Section (barns)
Incident Energy (MeV)
111
71-Lu-166


MAT 7098
(n,2n) p
71-Lu-166
Radionuclide Production Cross Section
69-Tm-164g
69-Tm-164m5
Cross Section (barns)
Incident Energy (MeV)
112
71-Lu-166


MAT 7098
(n,γ)
71-Lu-166
Radionuclide Production Cross Section
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
71-Lu-167g
71-Lu-167m1
113
Incident Energy (MeV)
71-Lu-166


MAT 7098
(n,He-3)
71-Lu-166
Radionuclide Production Cross Section
69-Tm-164g
69-Tm-164m5
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
114
71-Lu-166


MAT 7098
(n,2α)
71-Lu-166
Radionuclide Production Cross Section
67-Ho-159g
67-Ho-159m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
115
Incident Energy (MeV)
71-Lu-166


MAT 7098
(n,p) d
71-Lu-166
Radionuclide Production Cross Section
69-Tm-164g
69-Tm-164m5
Cross Section (barns)
Incident Energy (MeV)
116
71-Lu-166