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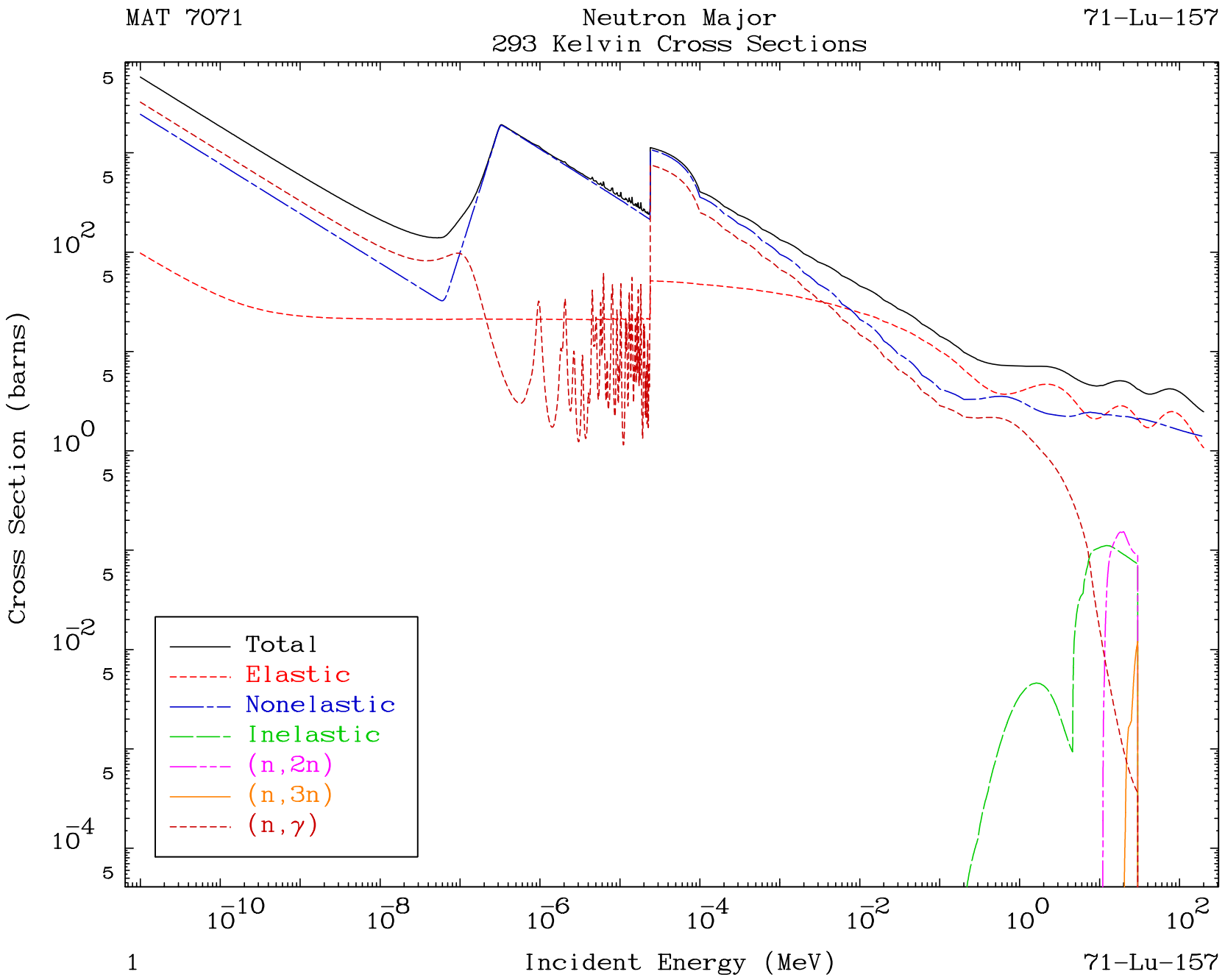
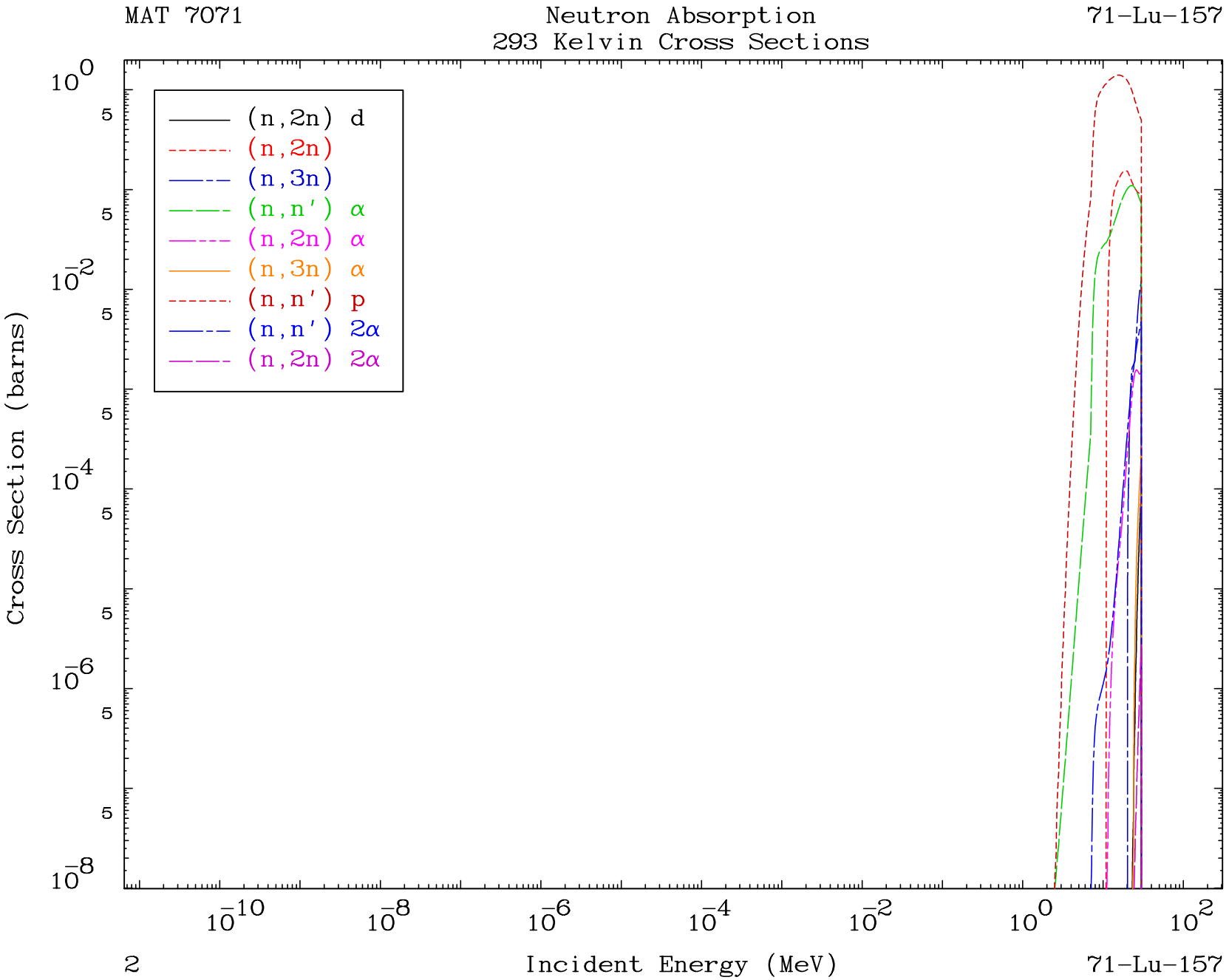
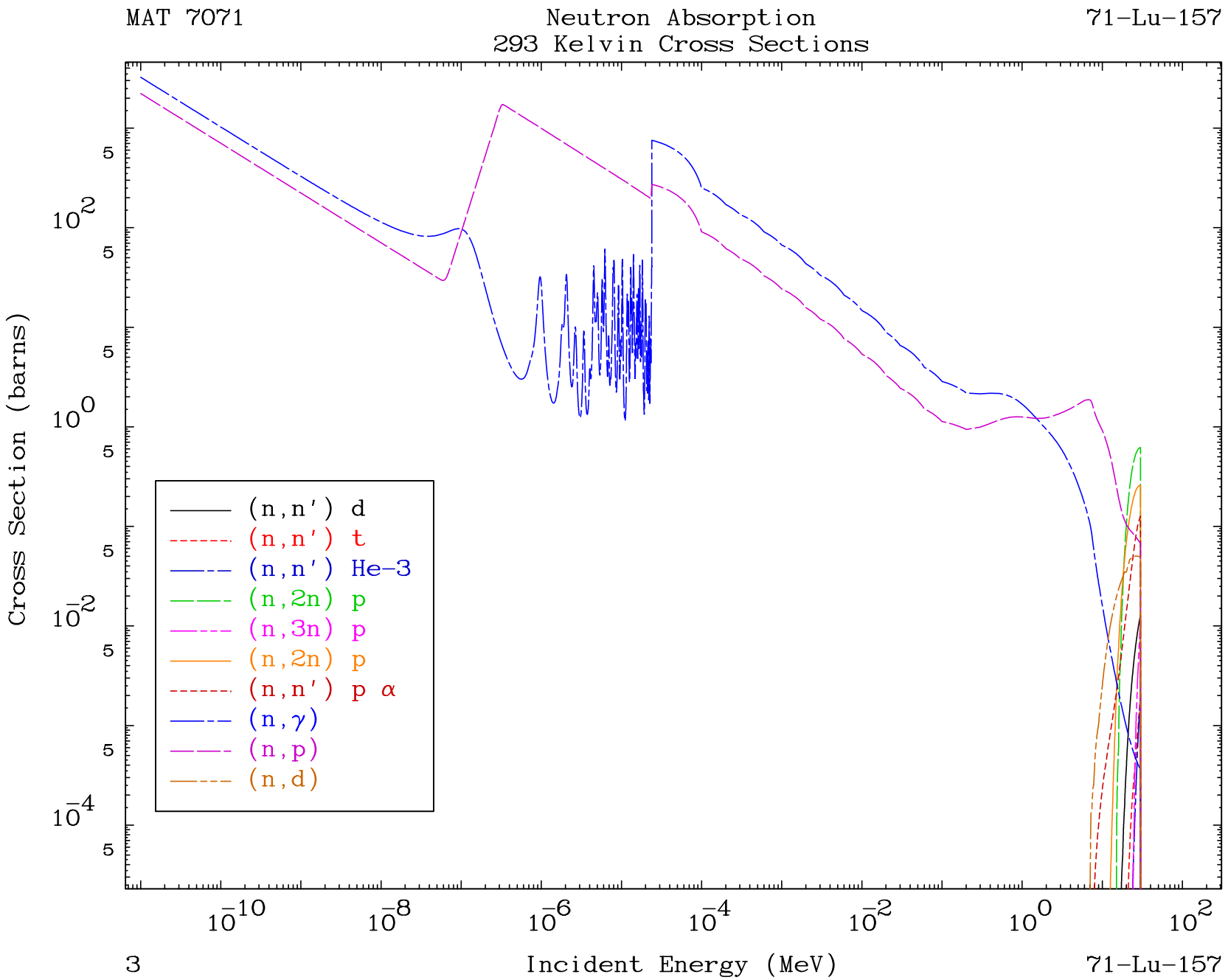
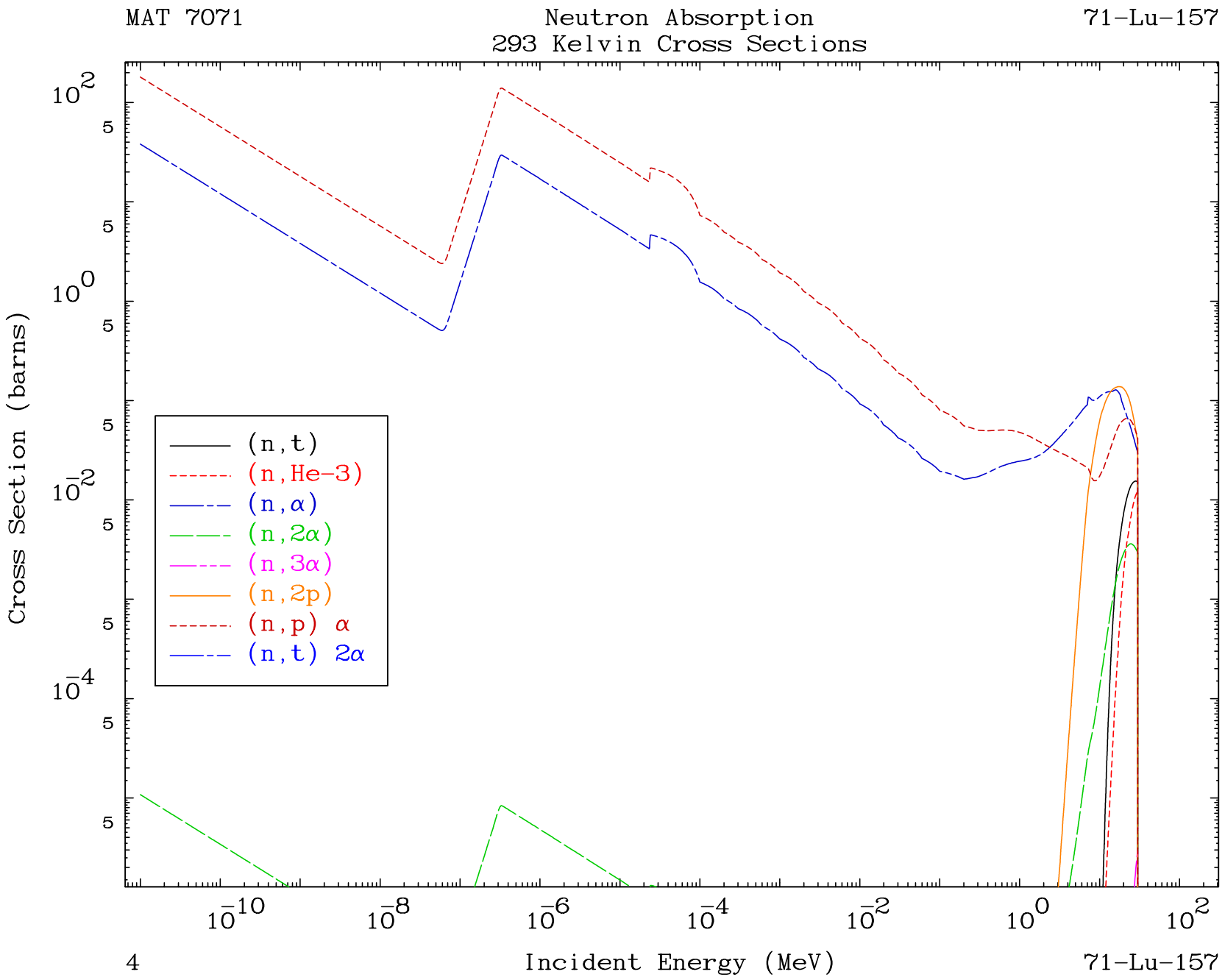
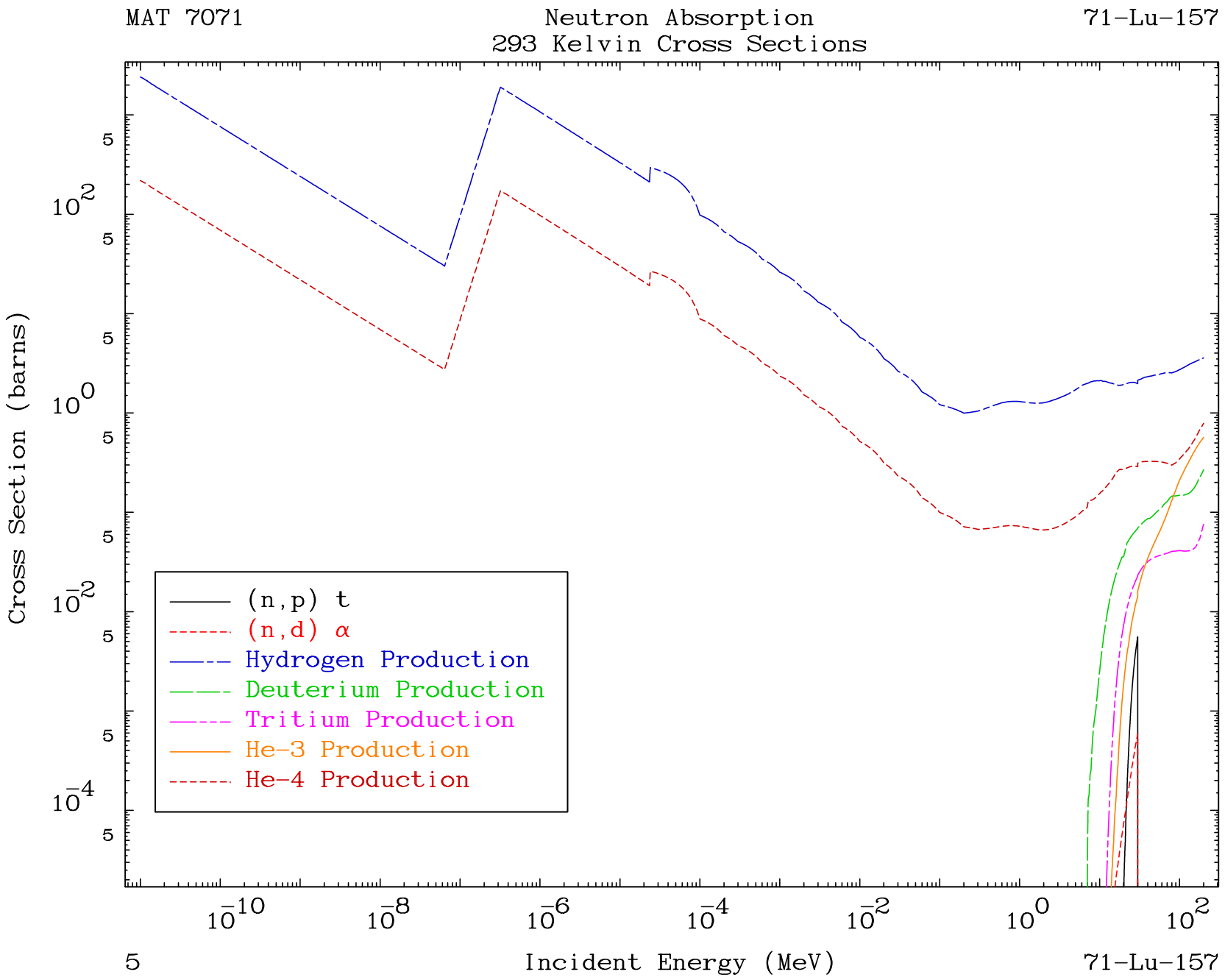
Press Mouse Button to Start

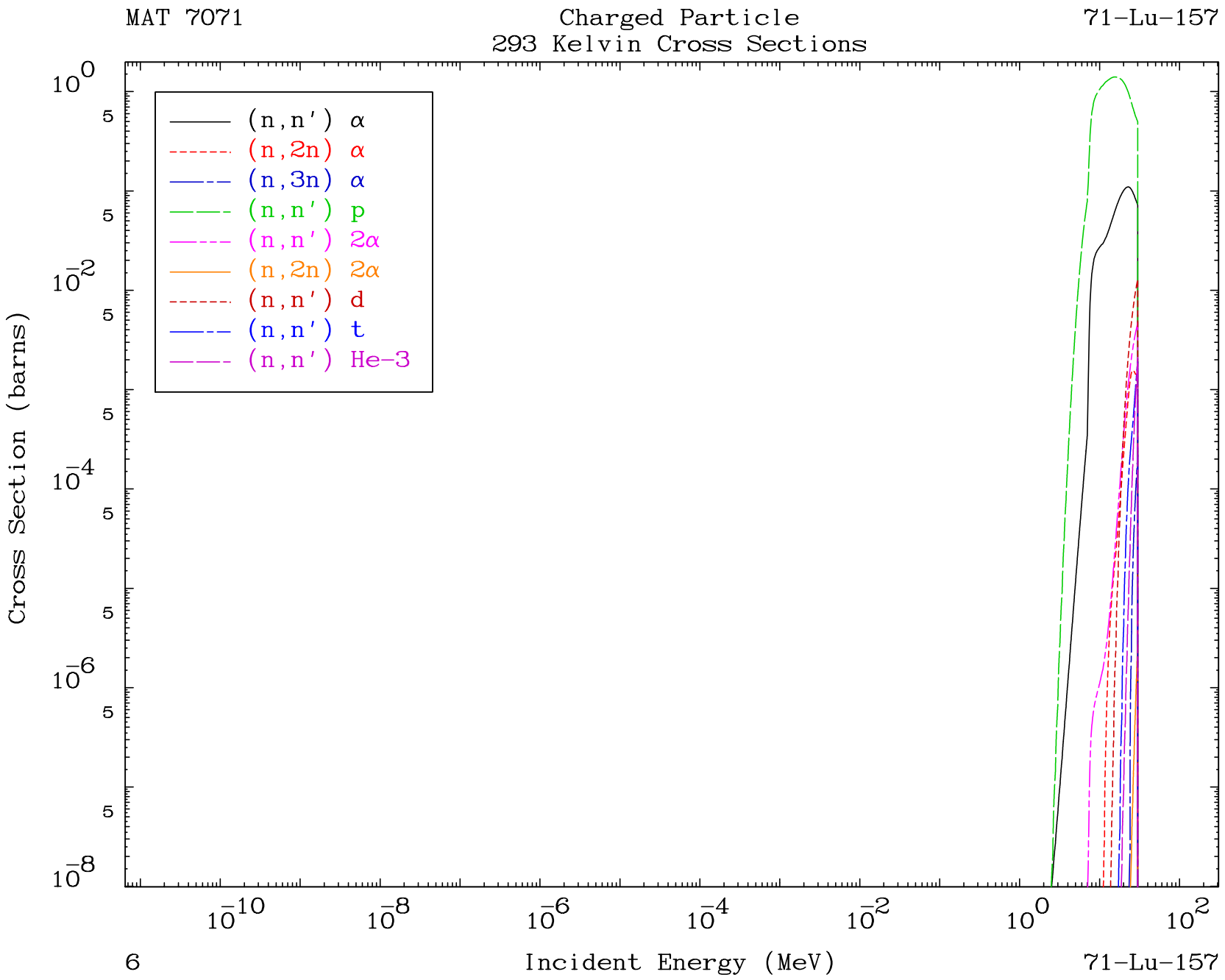

MAT 7071
Neutron Major
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
71-Lu-157

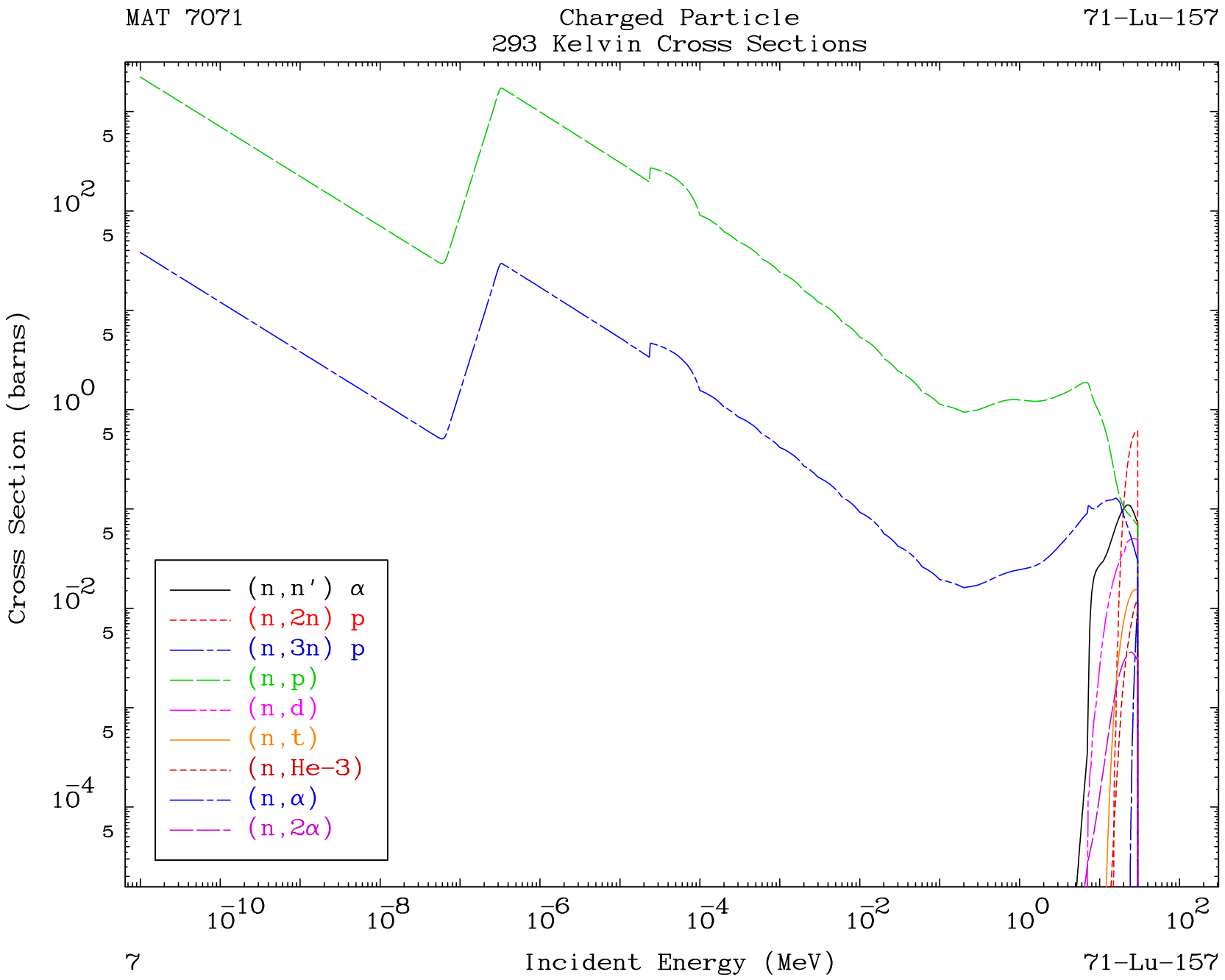

MAT 7071
Neutron Absorption
293 Kelvin Cross Sections
71-Lu-157
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
Cross Section (barns)
Incident Energy (MeV)
2
71-Lu-157

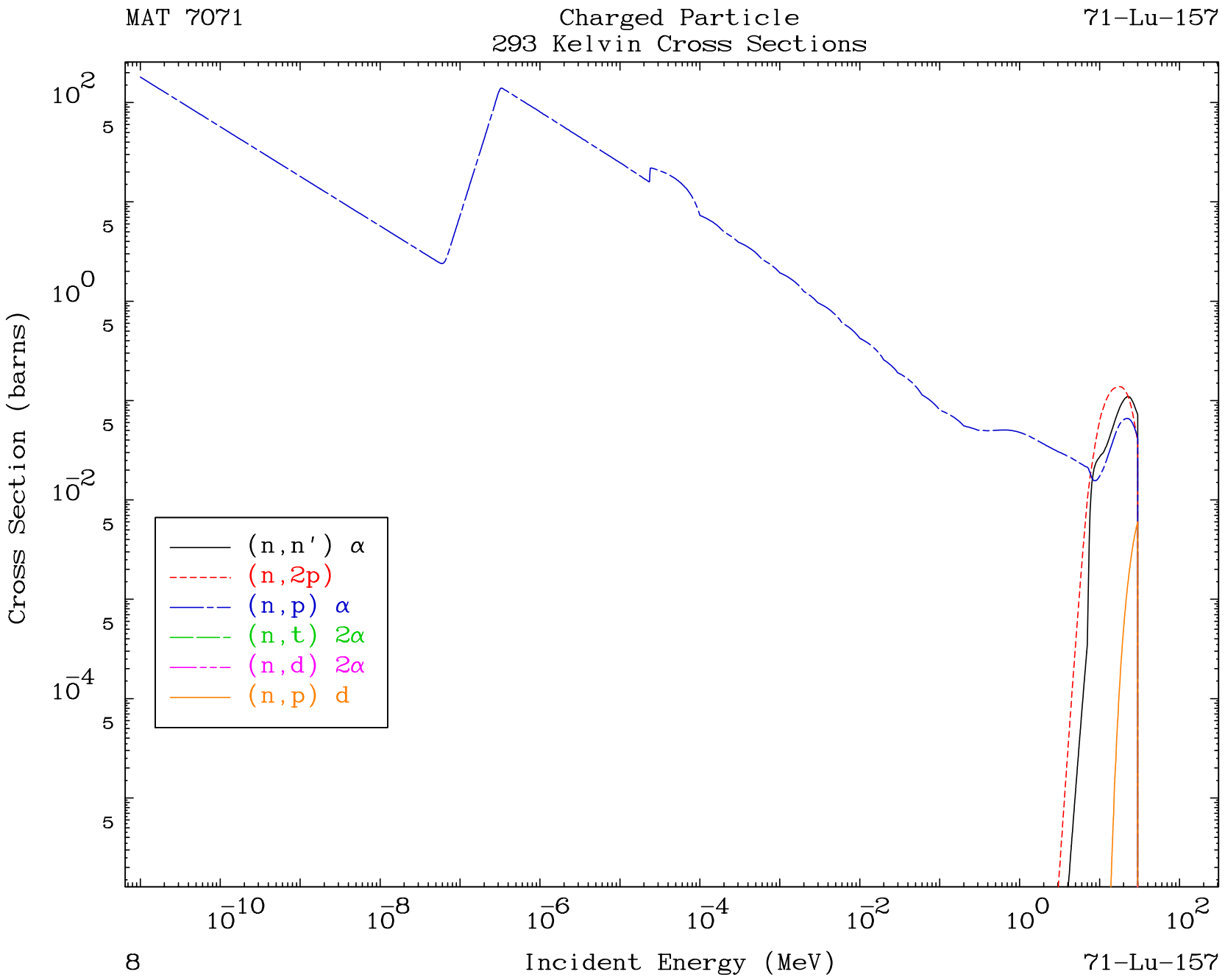

MAT 7071
Neutron Absorption
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
3
71-Lu-157

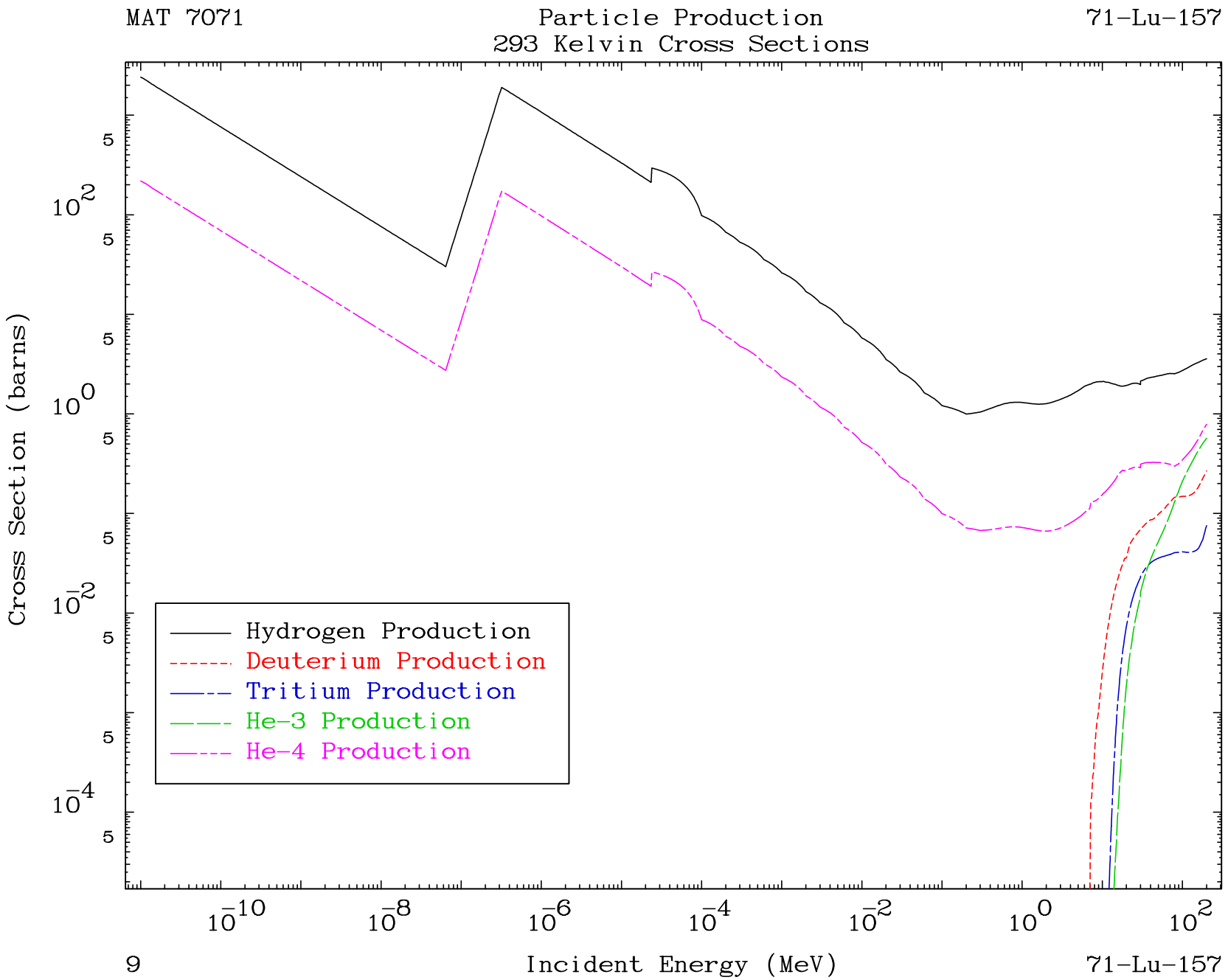

MAT 7071
Neutron Absorption
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Incident Energy (MeV)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
4
71-Lu-157

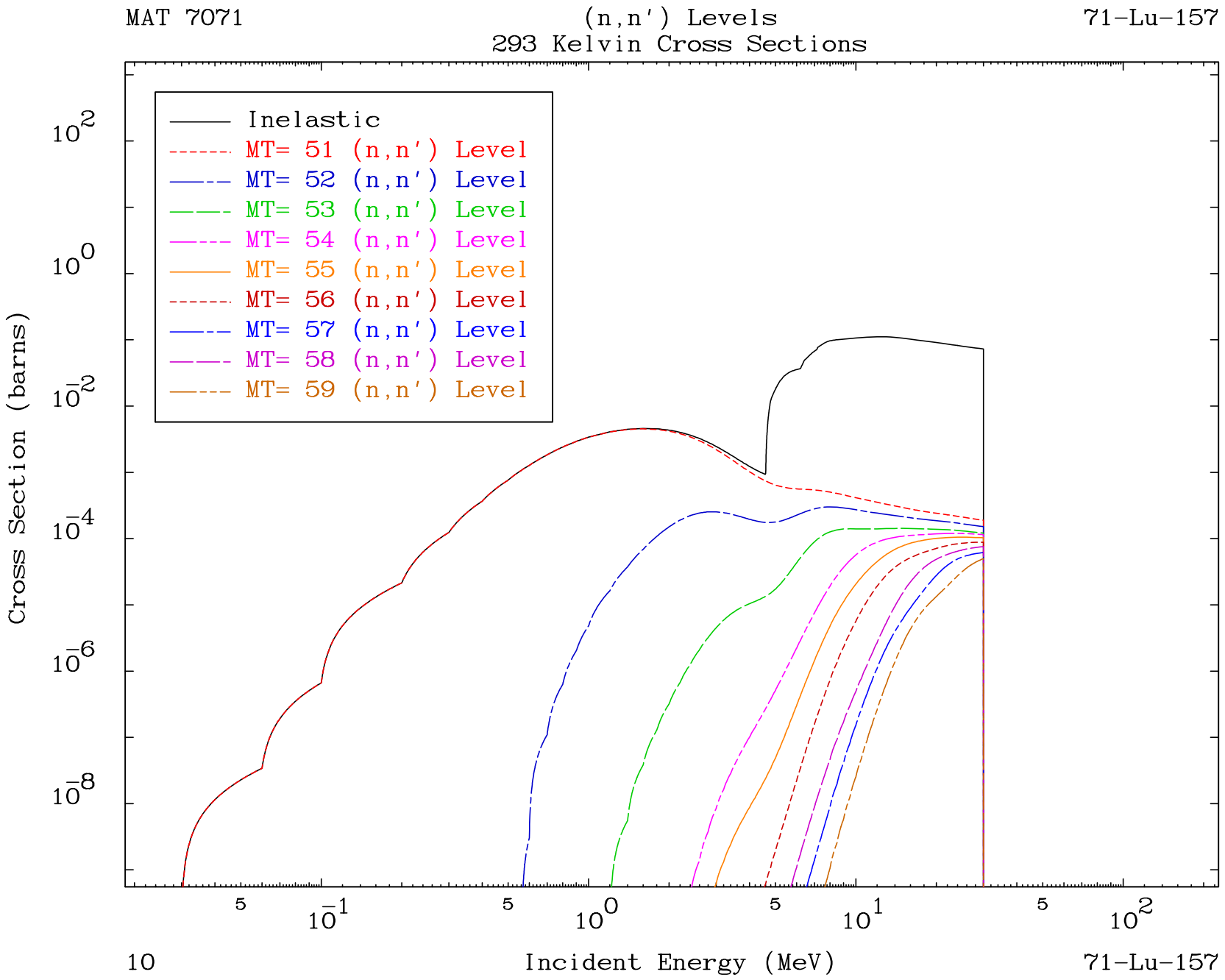

MAT 7071
Neutron Absorption
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Incident Energy (MeV)
71-Lu-157
5
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

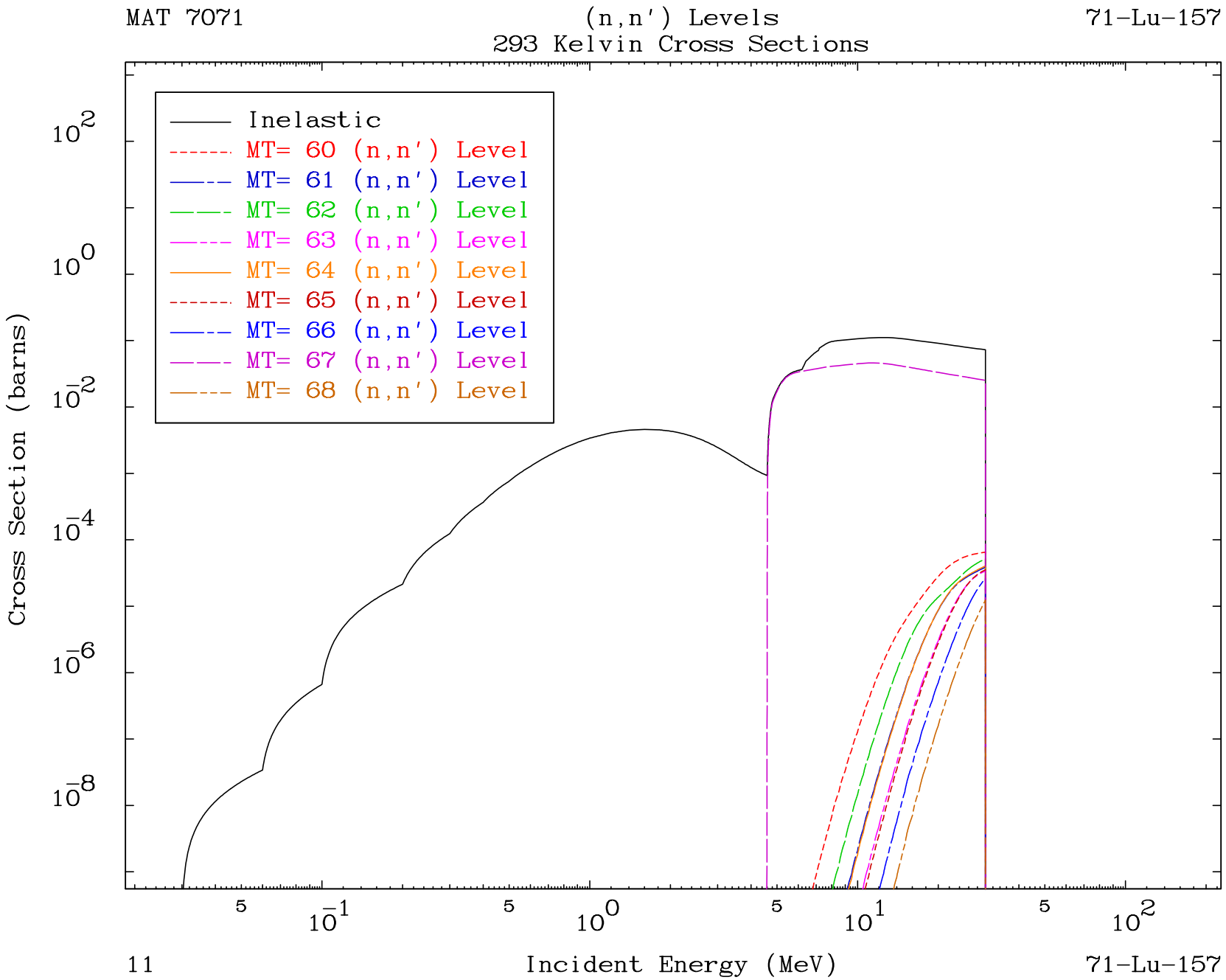

MAT 7071
Charged Particle
293 Kelvin Cross Sections
71-Lu-157
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-157

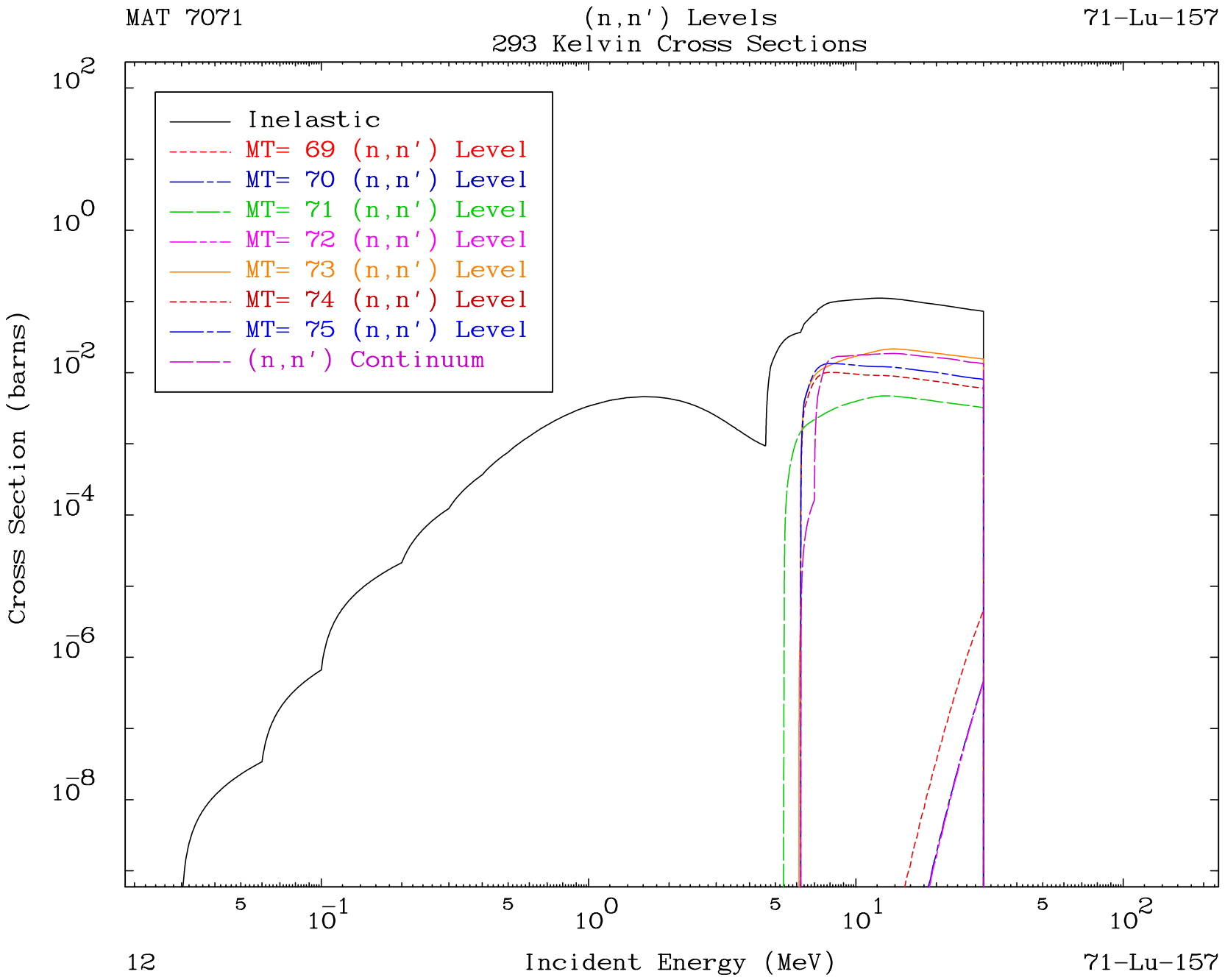

MAT 7071
Charged Particle
71-Lu-157
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
7
71-Lu-157
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)

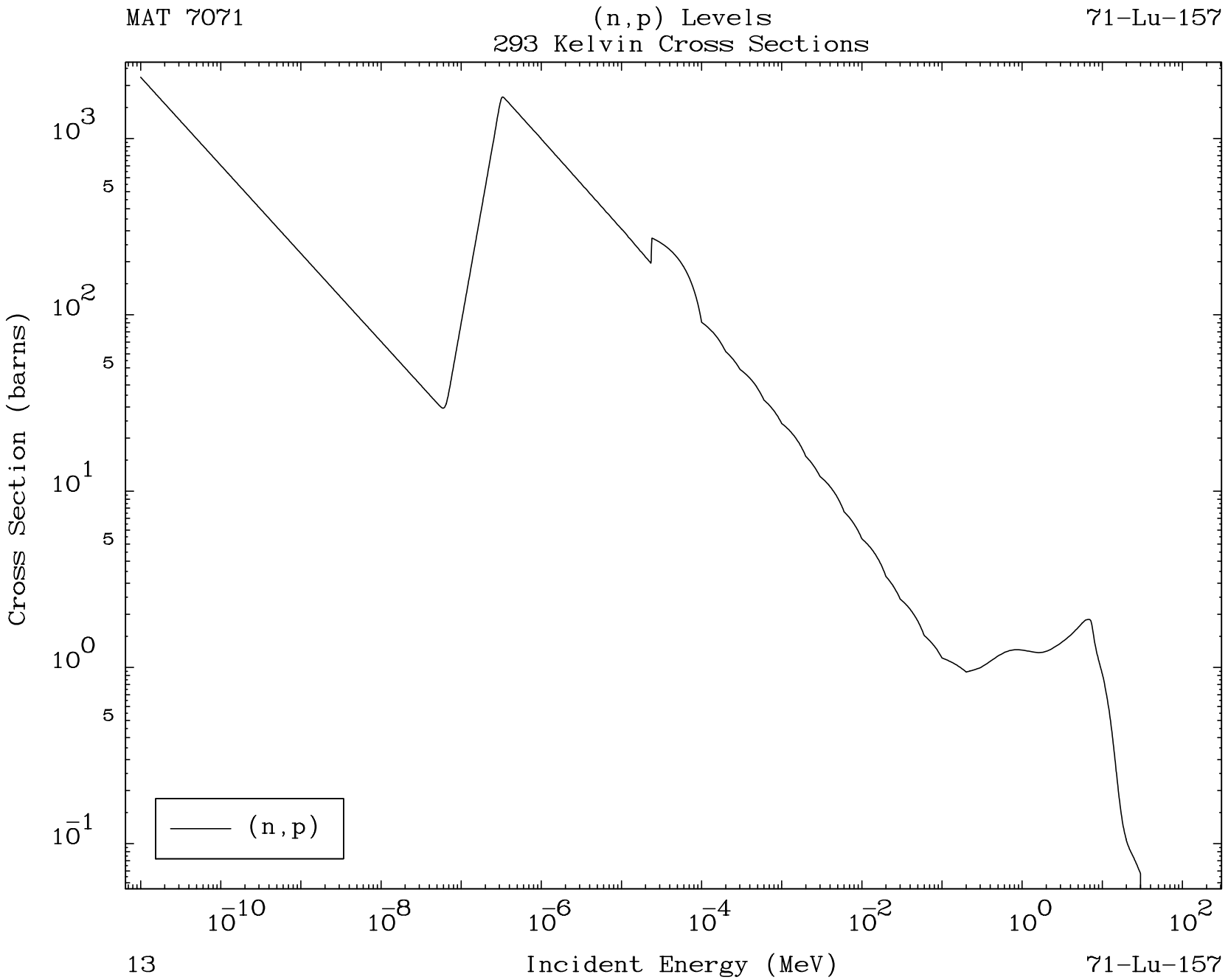

MAT 7071
Charged Particle
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
8
71-Lu-157

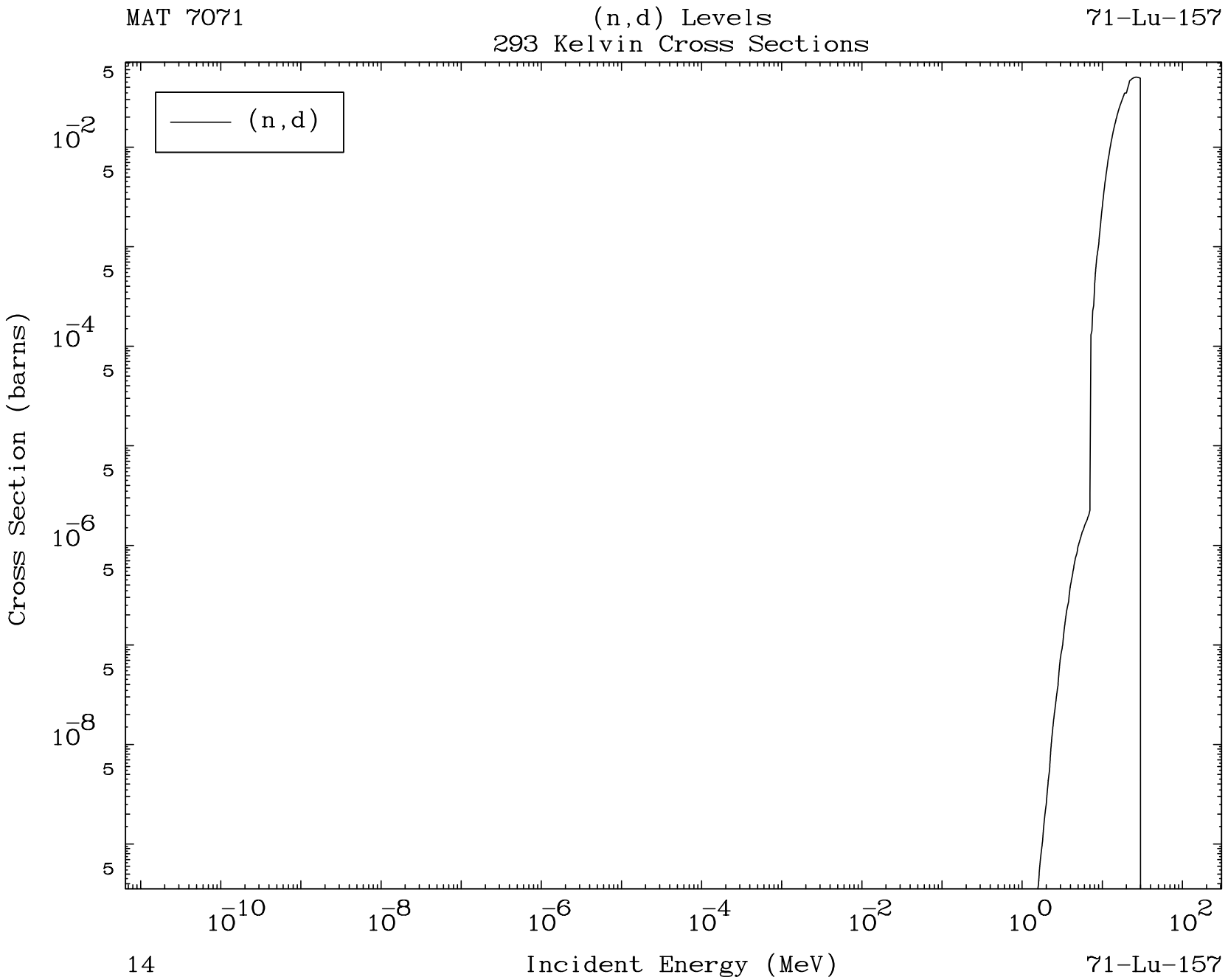

MAT 7071
Particle Production
293 Kelvin Cross Sections
71-Lu-157
Cross Section (barns)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Incident Energy (MeV)
9
71-Lu-157

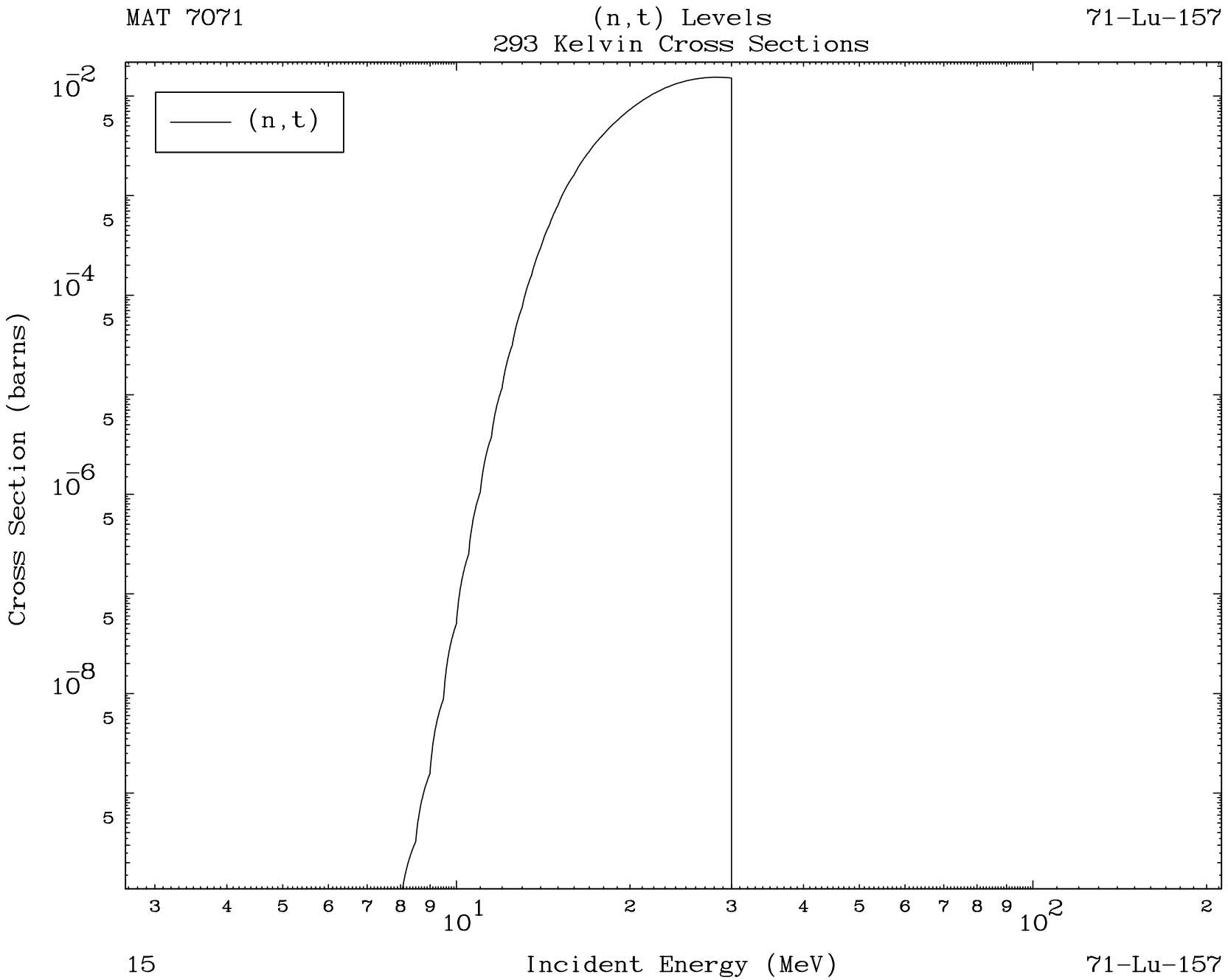

MAT 7071
(n,n') Levels
71-Lu-157
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-8
5
10^-1
5
10^0
5
10^1
5
10^2
10
Incident Energy (MeV)
71-Lu-157

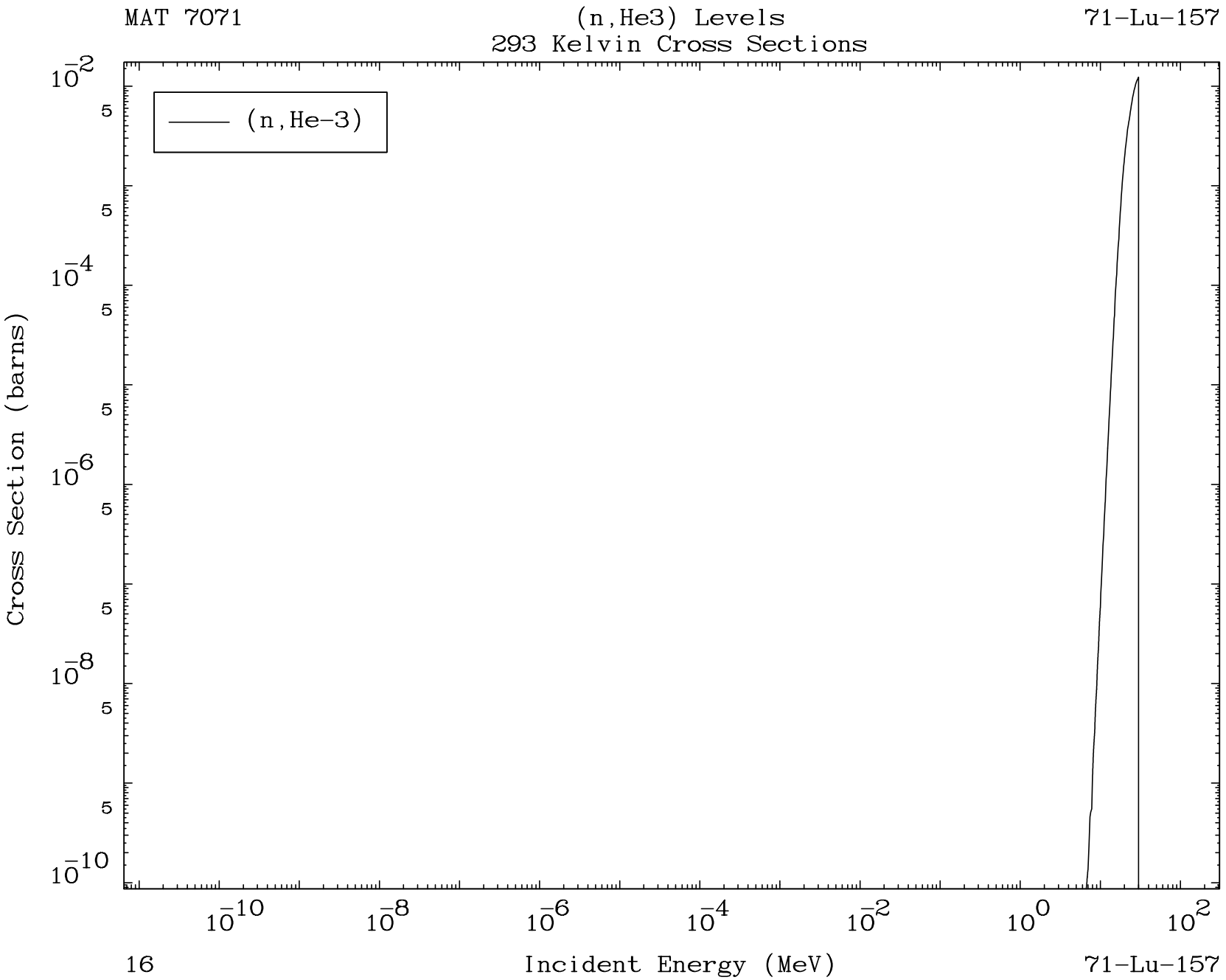

MAT 7071
(n,n') Levels
71-Lu-157
293 Kelvin Cross Sections
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-157

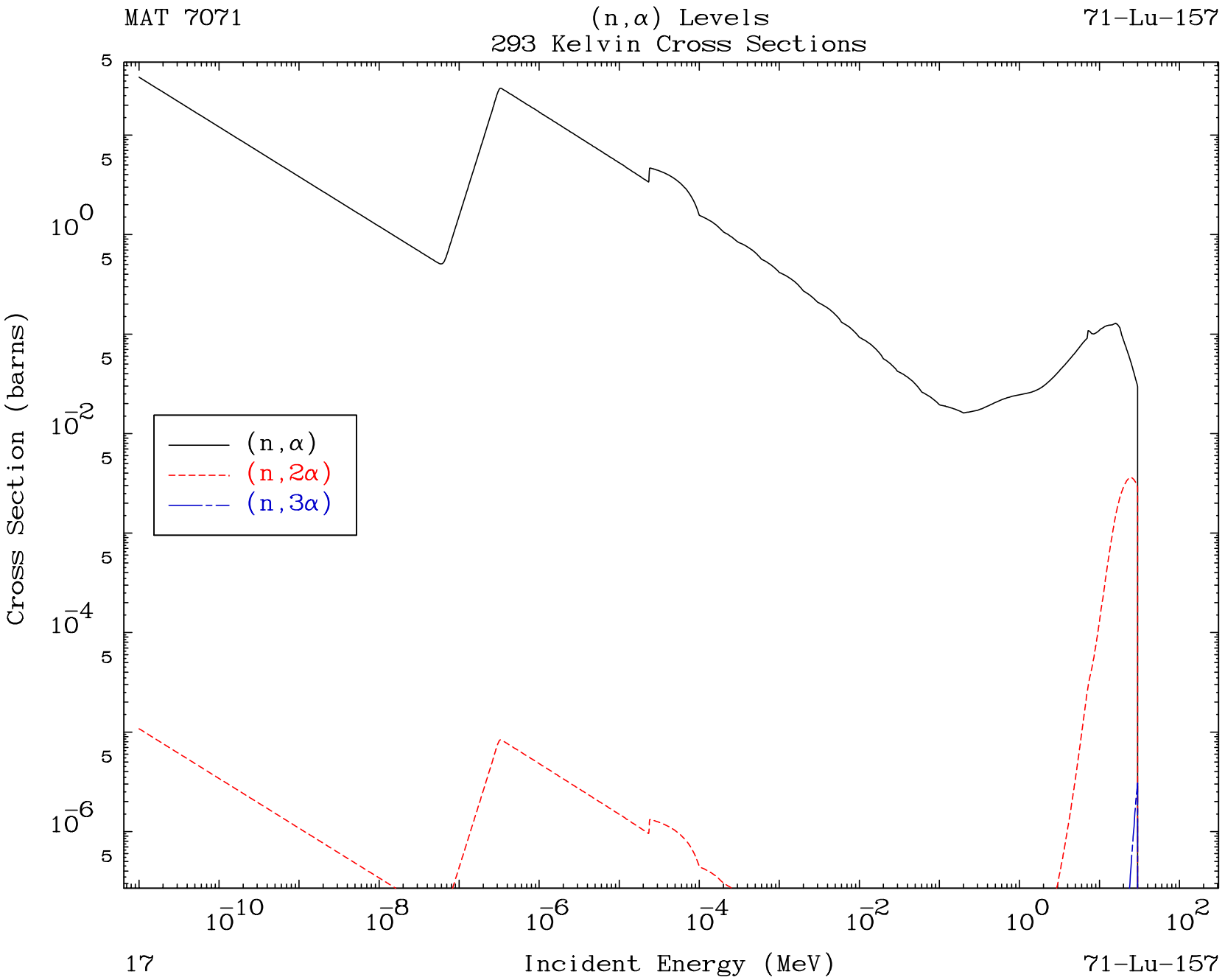

MAT 7071
(n,n') Levels
71-Lu-157
293 Kelvin Cross Sections
Inelastic
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-157

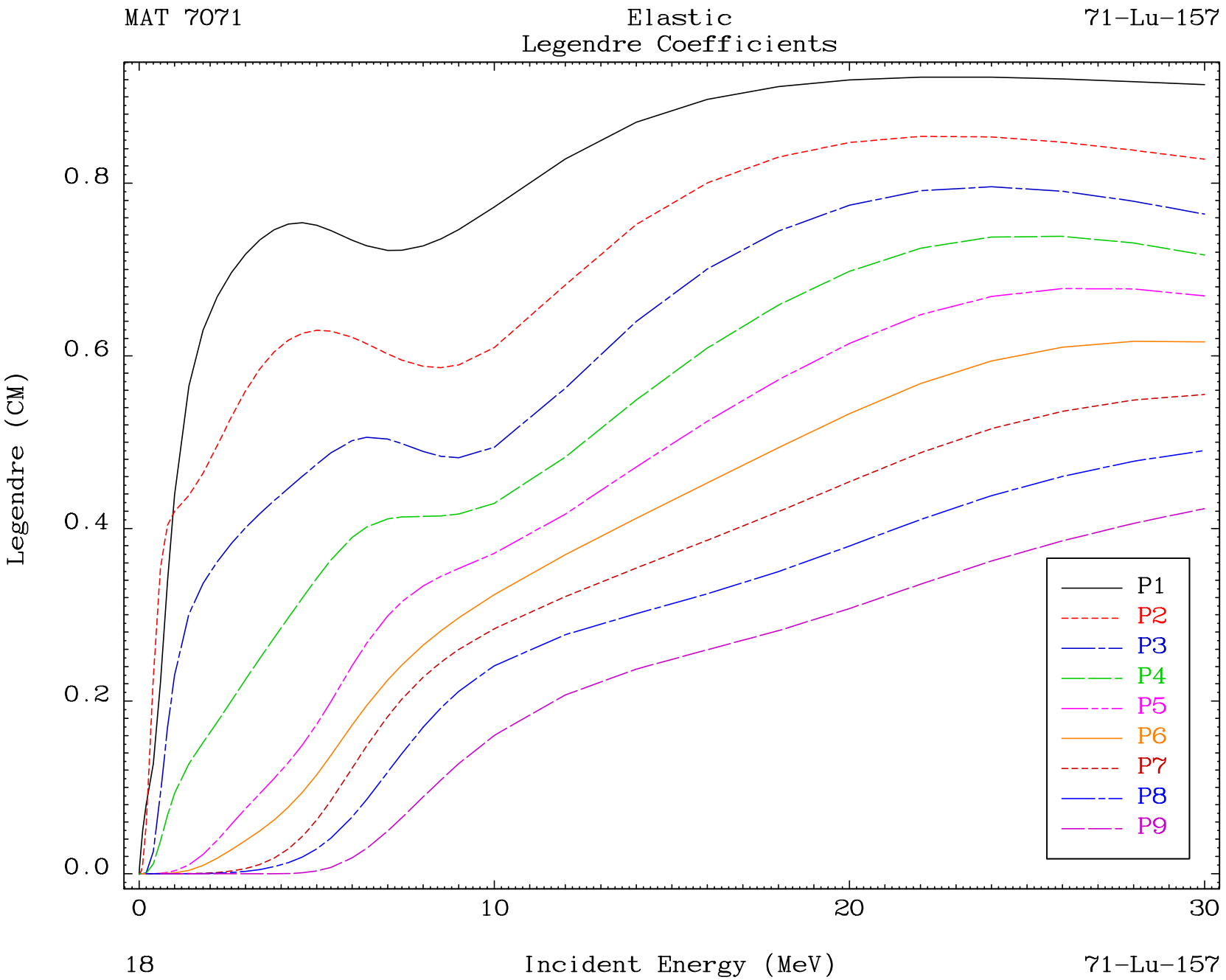

MAT 7071
(n,p) Levels
71-Lu-157
293 Kelvin Cross Sections
Cross Section (barns)
10^3
5
10^2
5
10^1
5
10^0
5
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
13
Incident Energy (MeV)
71-Lu-157

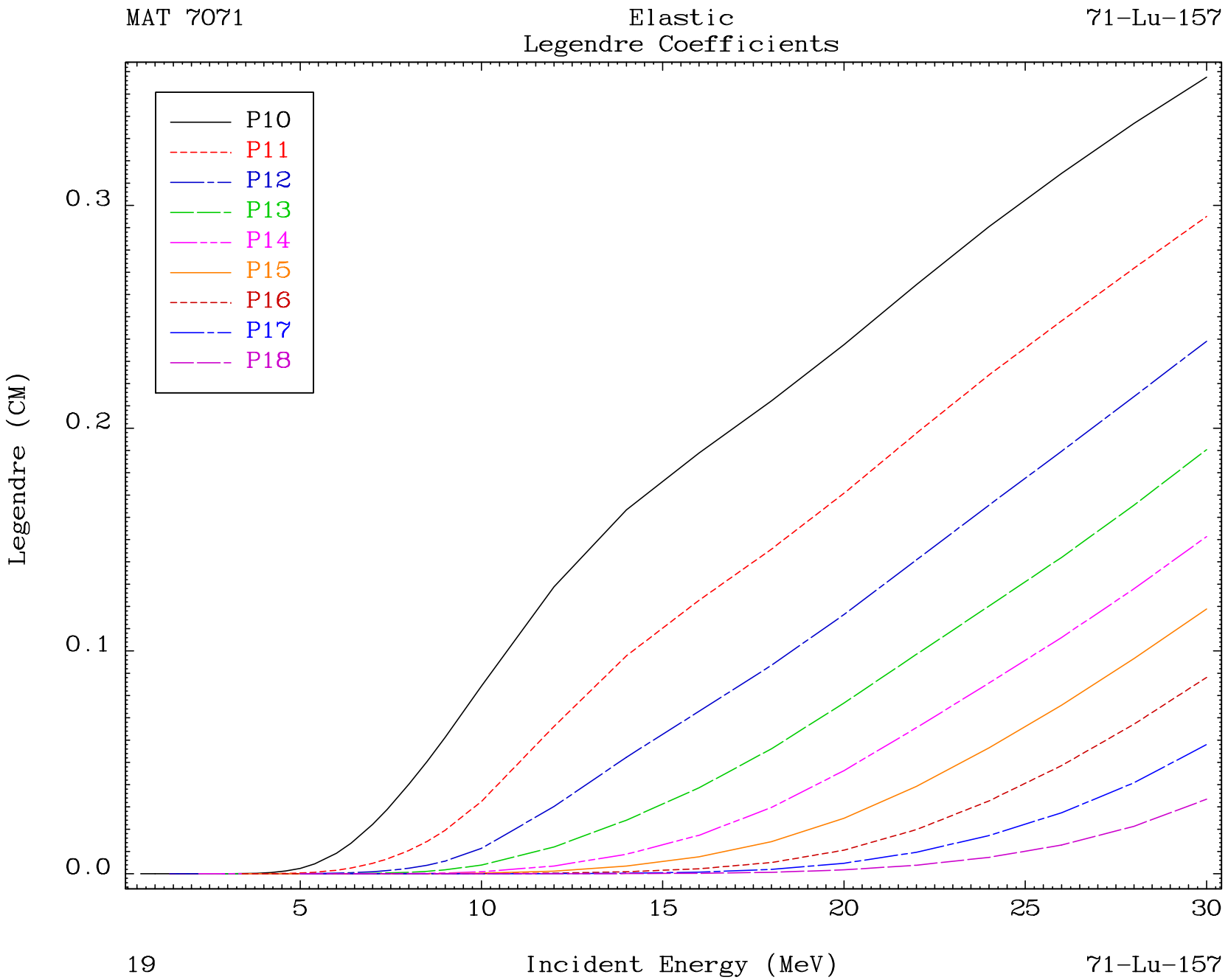

MAT 7071
(n,d) Levels
71-Lu-157
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-157

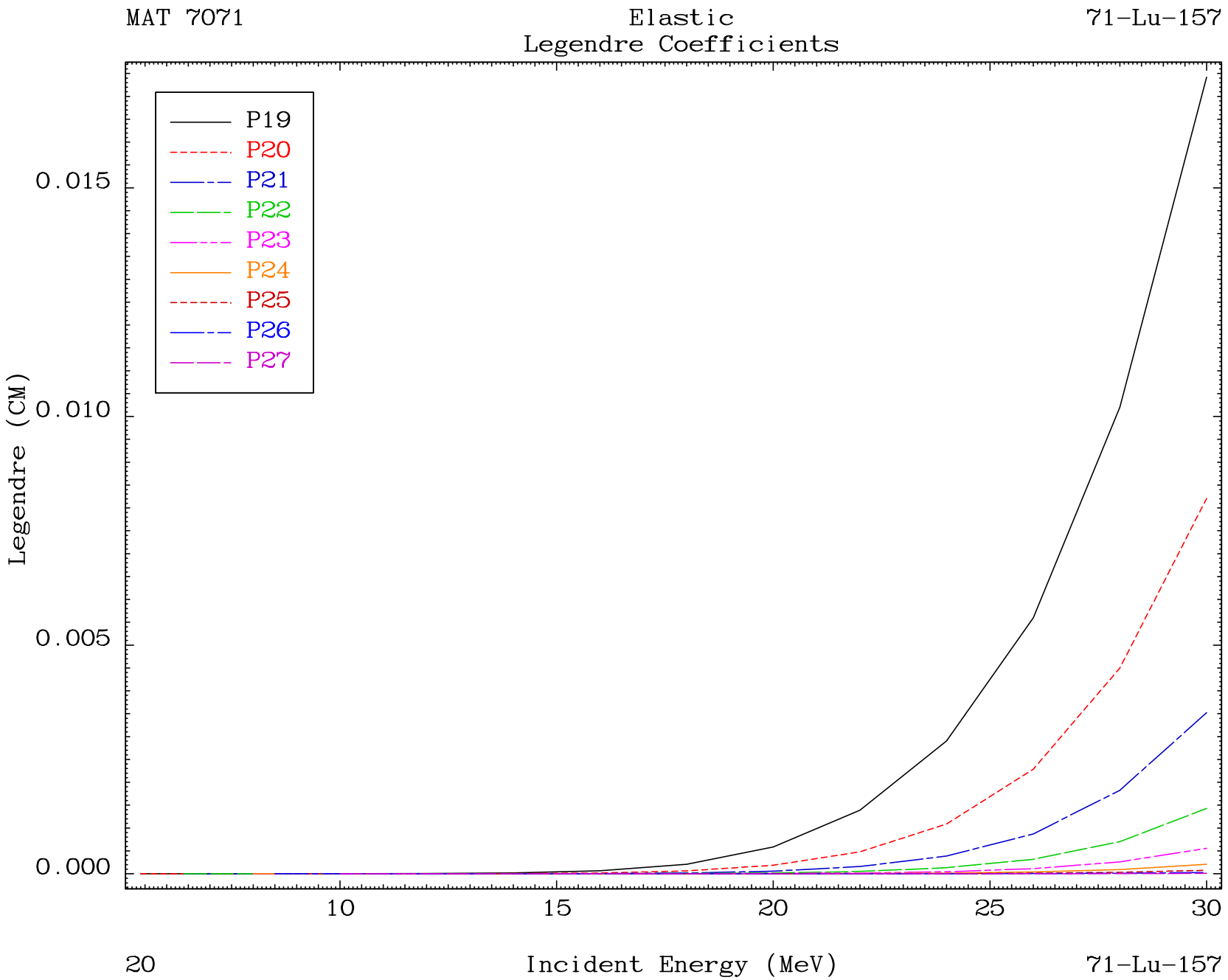

MAT 7071
(n,t) Levels
71-Lu-157
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
15
71-Lu-157

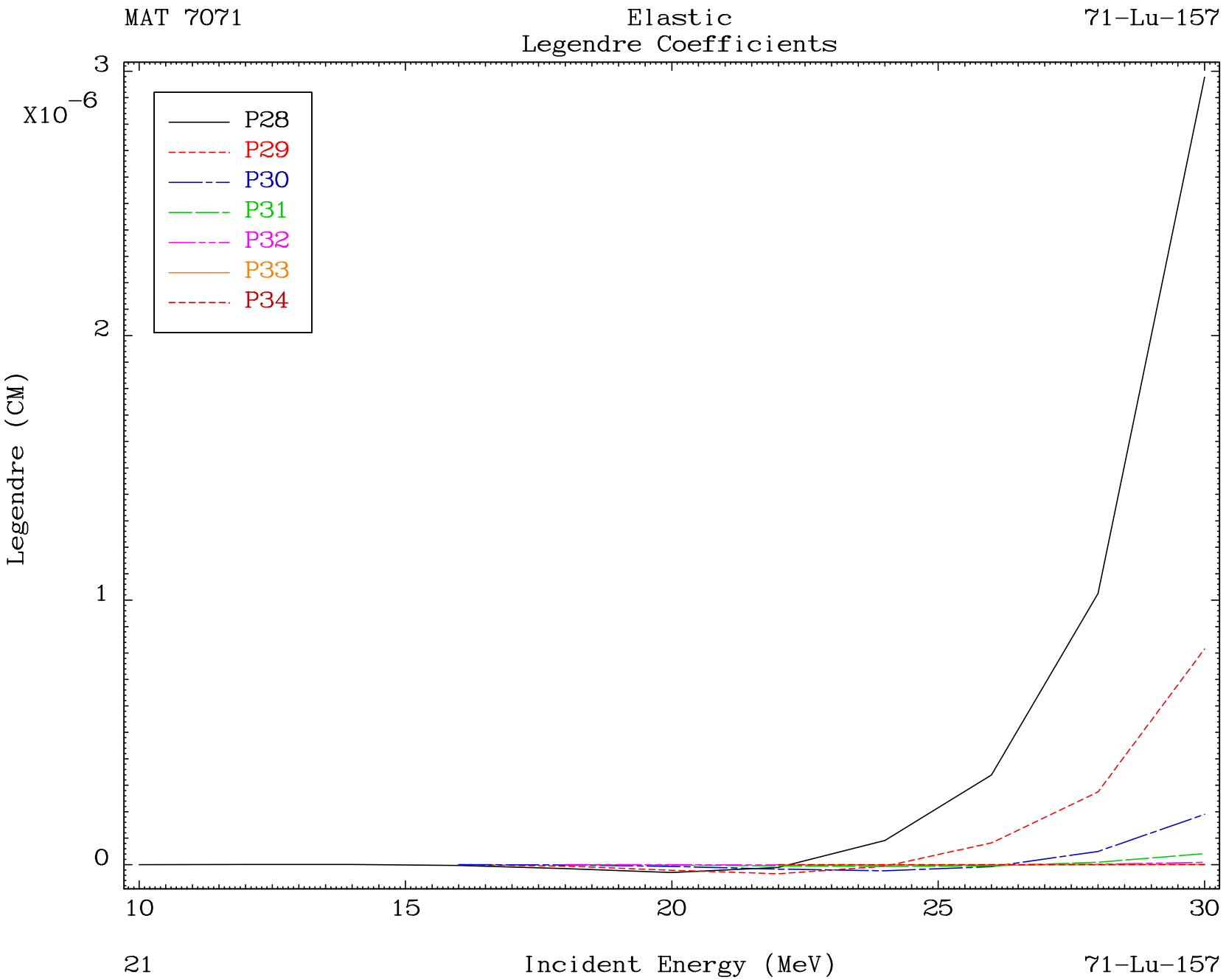

MAT 7071
(n,He3) Levels
71-Lu-157
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-157

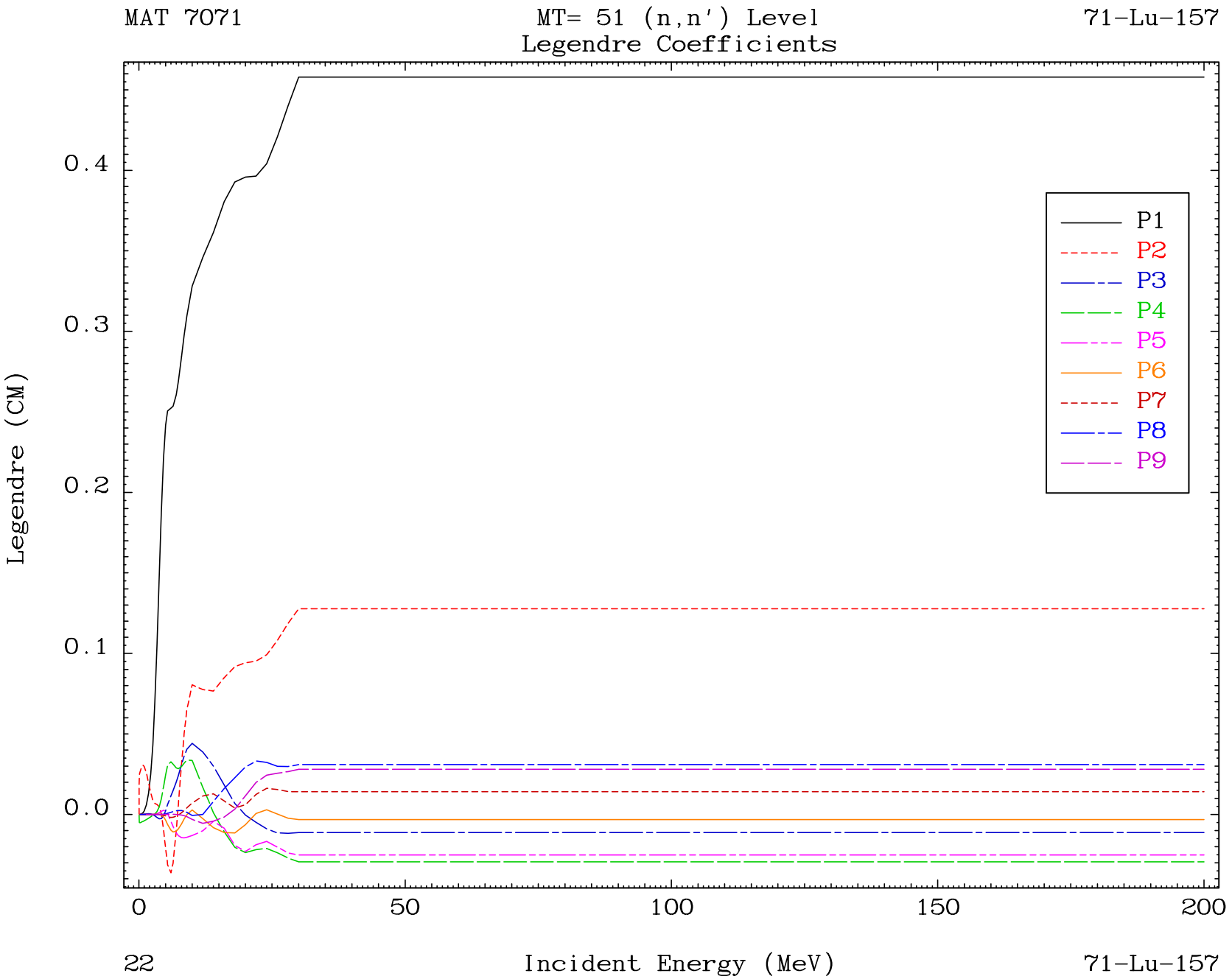

MAT 7071
(n,α) Levels
71-Lu-157
293 Kelvin Cross Sections
Cross Section (barns)
(n,α)
(n,2α)
(n,3α)
Incident Energy (MeV)
17
71-Lu-157

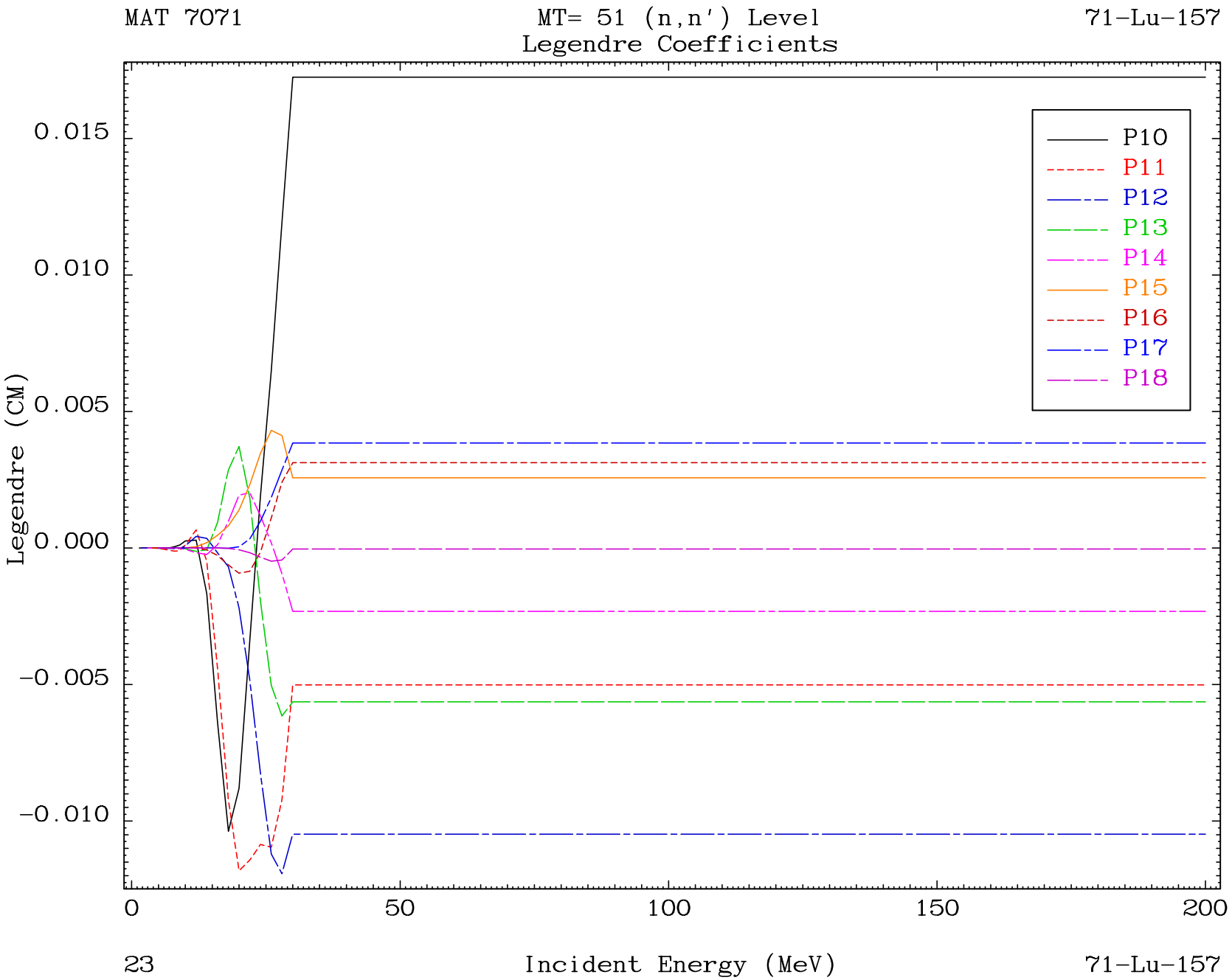

MAT 7071
Elastic
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
18
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

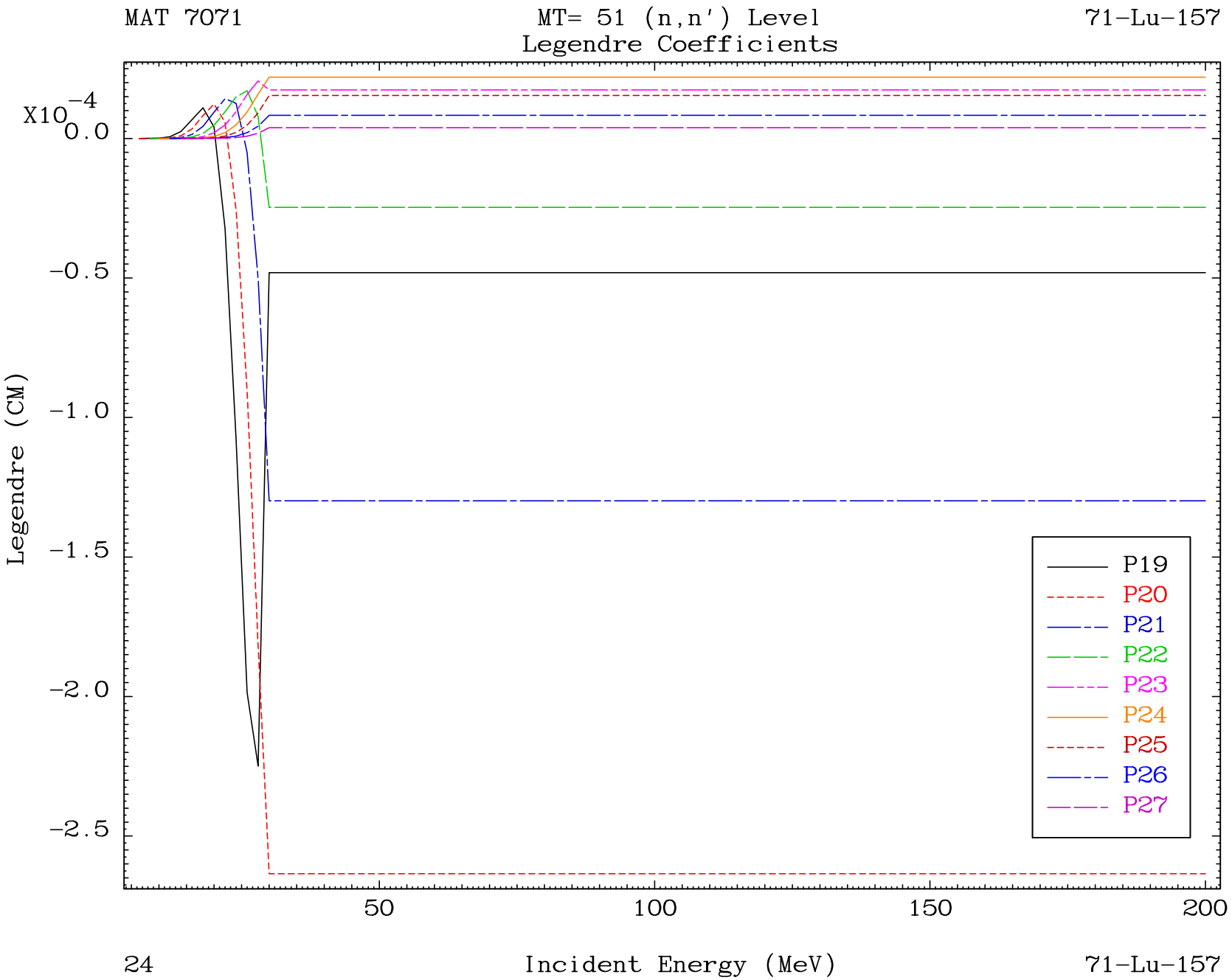

MAT 7071
Elastic
Legendre Coefficients
71-Lu-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
19
Incident Energy (MeV)
71-Lu-157

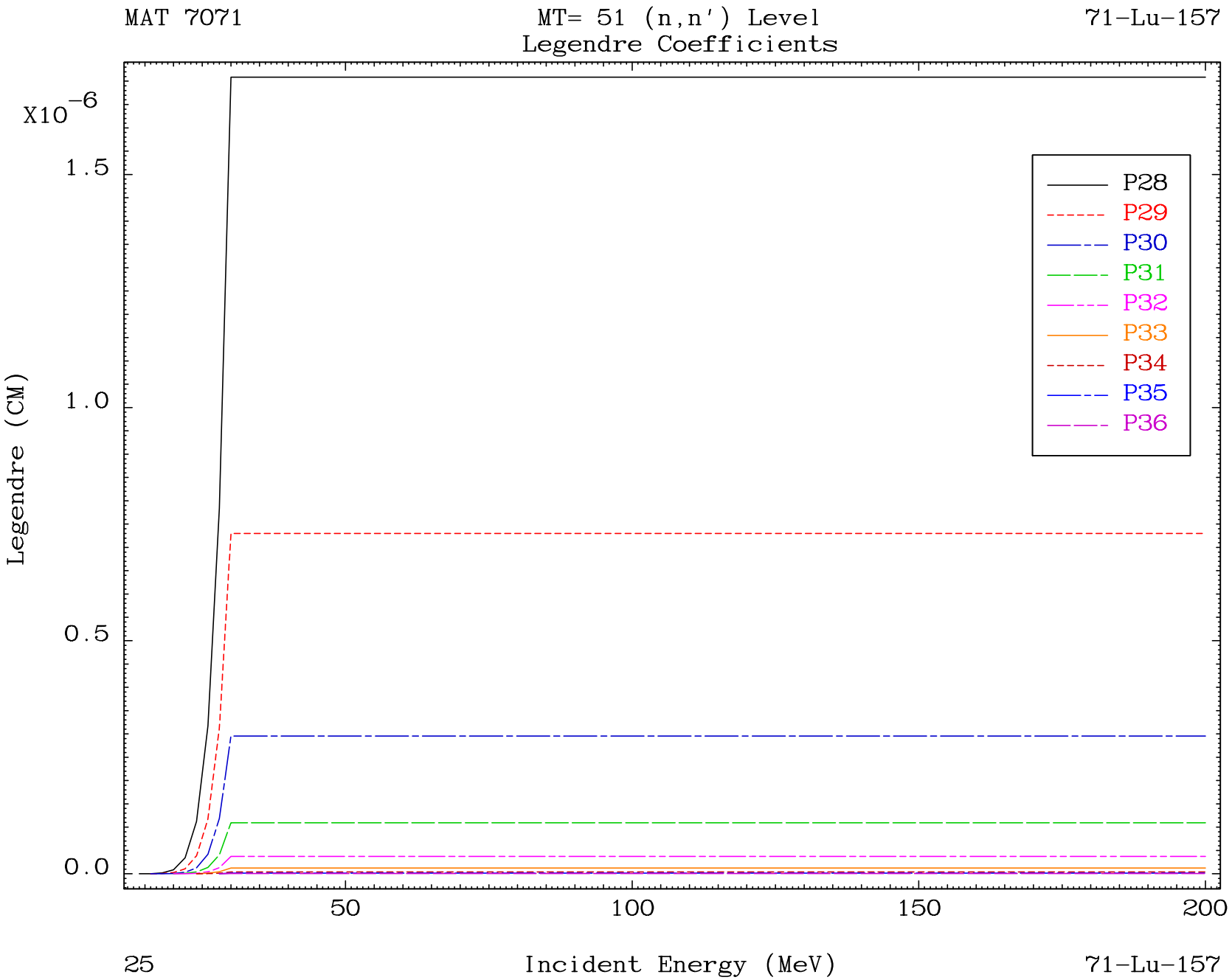

MAT 7071
Elastic
Legendre Coefficients
71-Lu-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
10
15
20
25
30
20
Incident Energy (MeV)
71-Lu-157

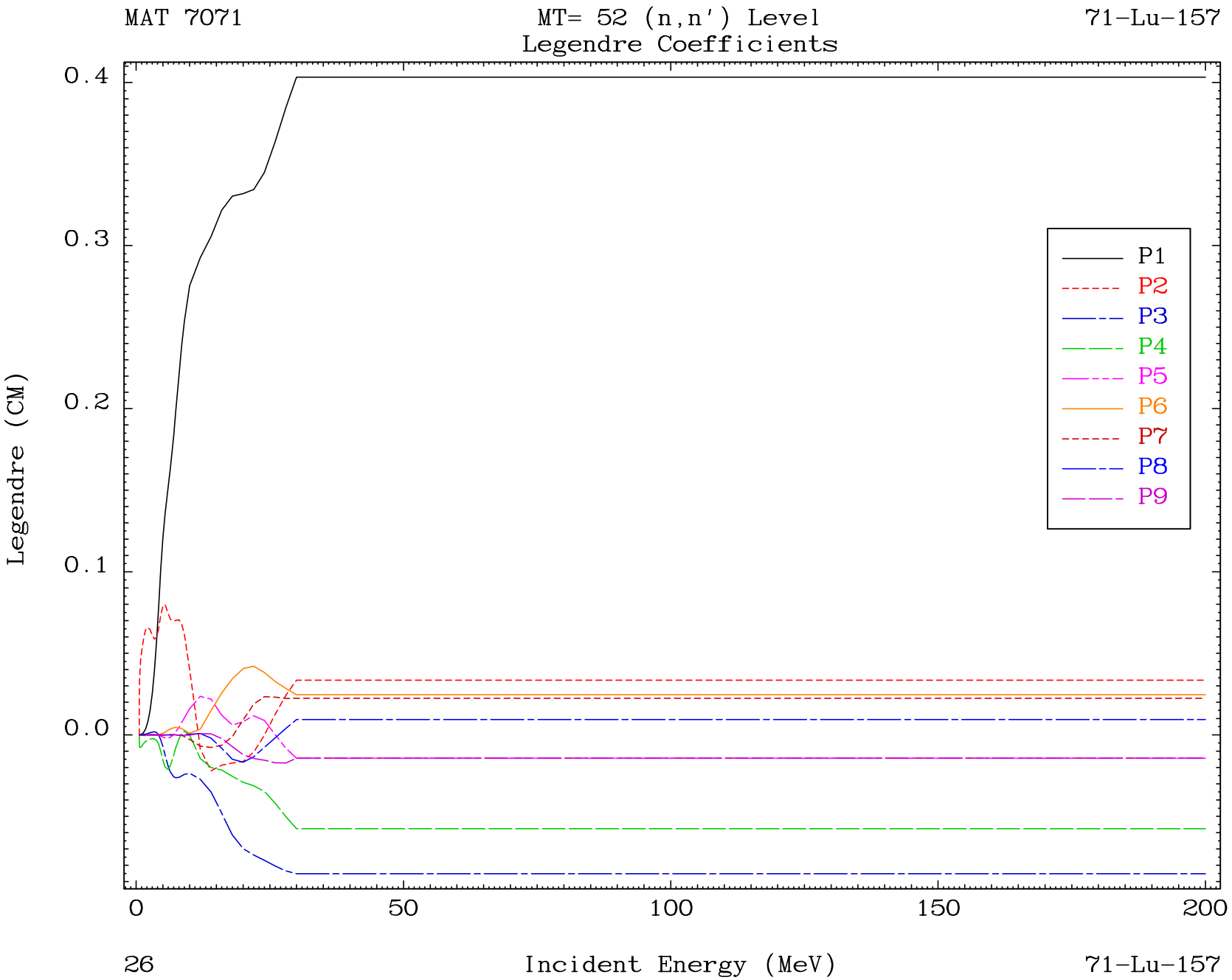

MAT 7071
Elastic
Legendre Coefficients
71-Lu-157
X10 −6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
21
Incident Energy (MeV)
71-Lu-157

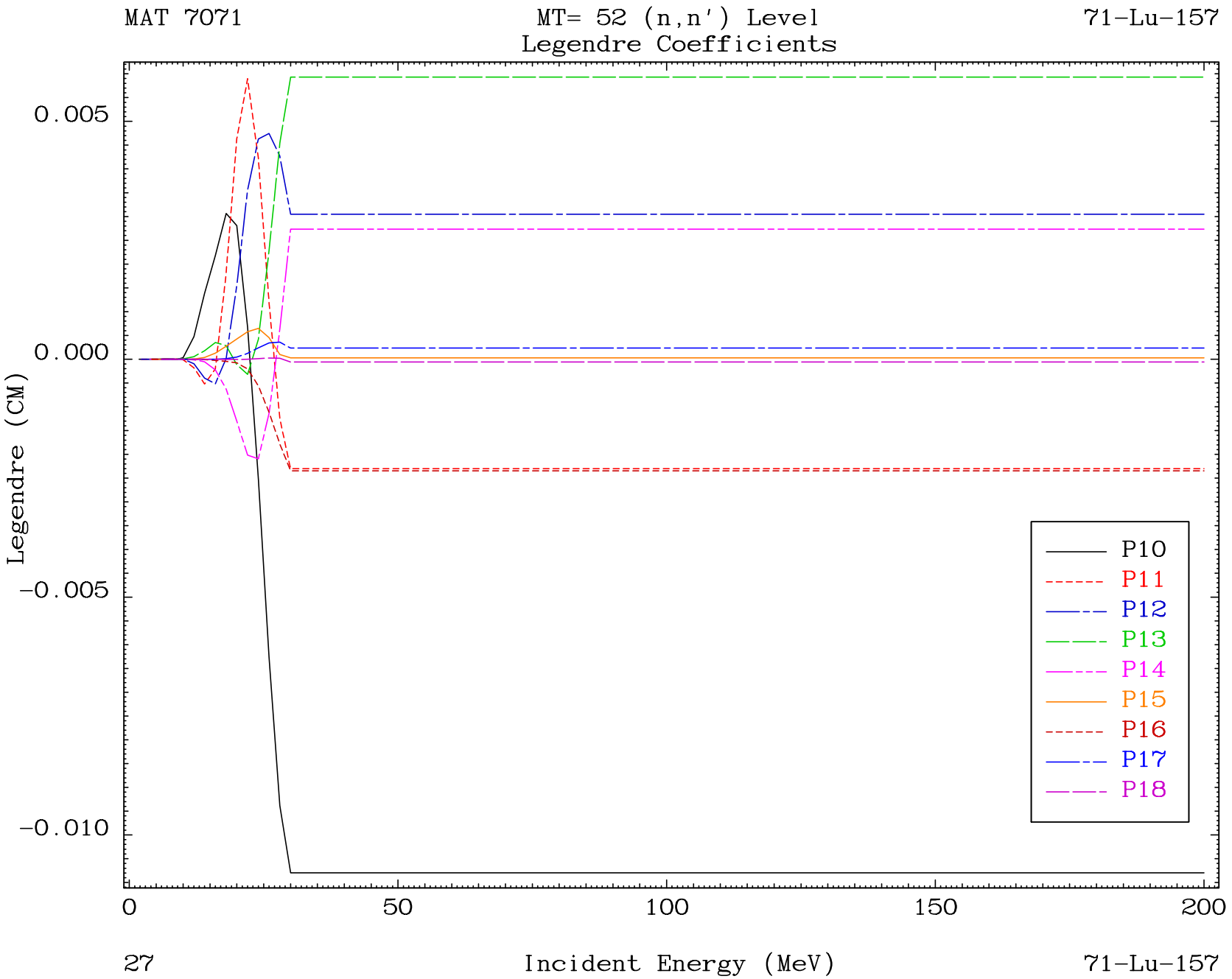

MAT 7071
MT= 51 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
22
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9

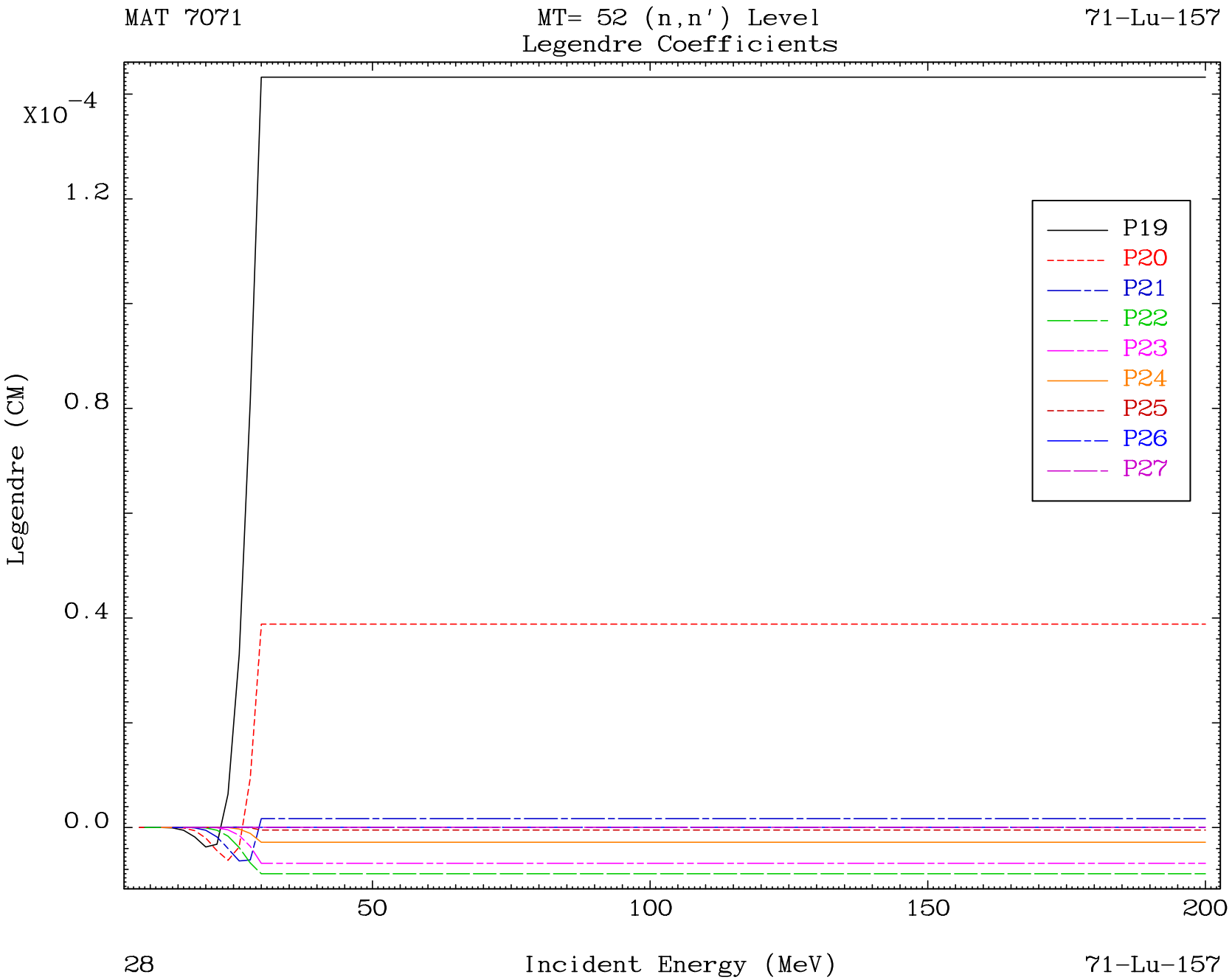

MAT 7071
MT= 51 (n,n') Level
Legendre Coefficients
71-Lu-157
0.015
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
23
Incident Energy (MeV)
71-Lu-157

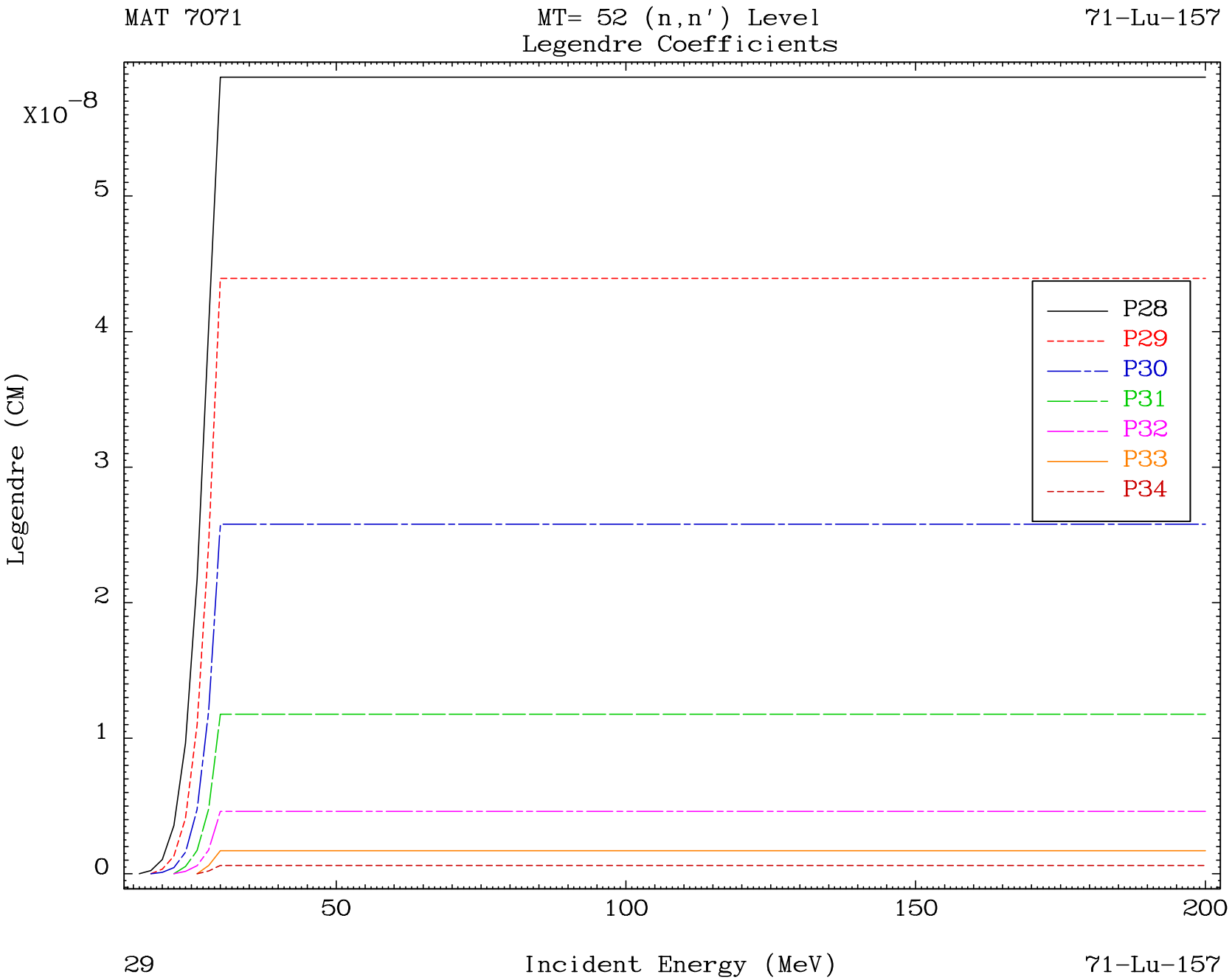

MAT 7071
MT= 51 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
24
Incident Energy (MeV)
71-Lu-157
P19
P20
P21
P22
P23
P24
P25
P26
P27

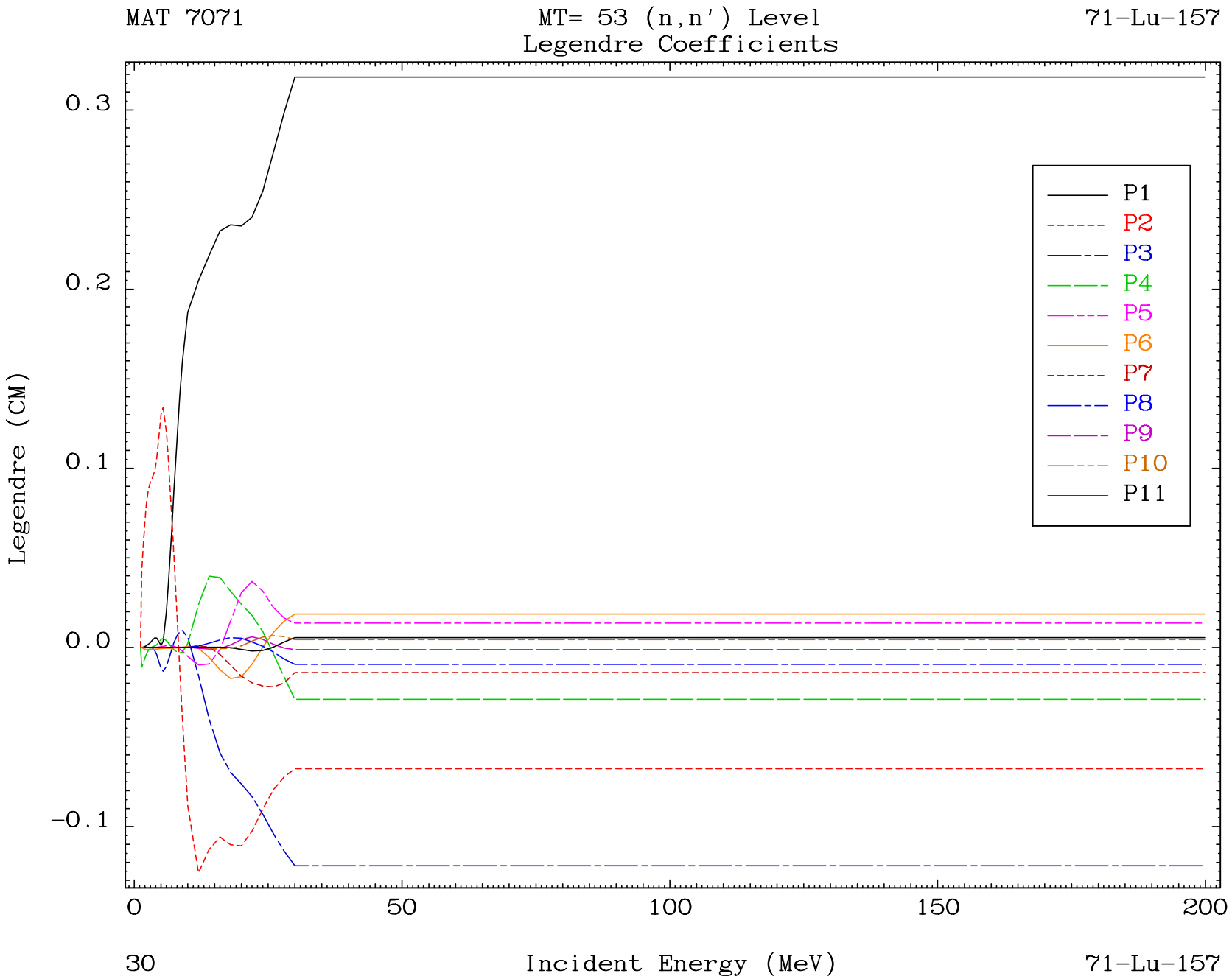

MAT 7071
MT= 51 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
25
Incident Energy (MeV)
71-Lu-157

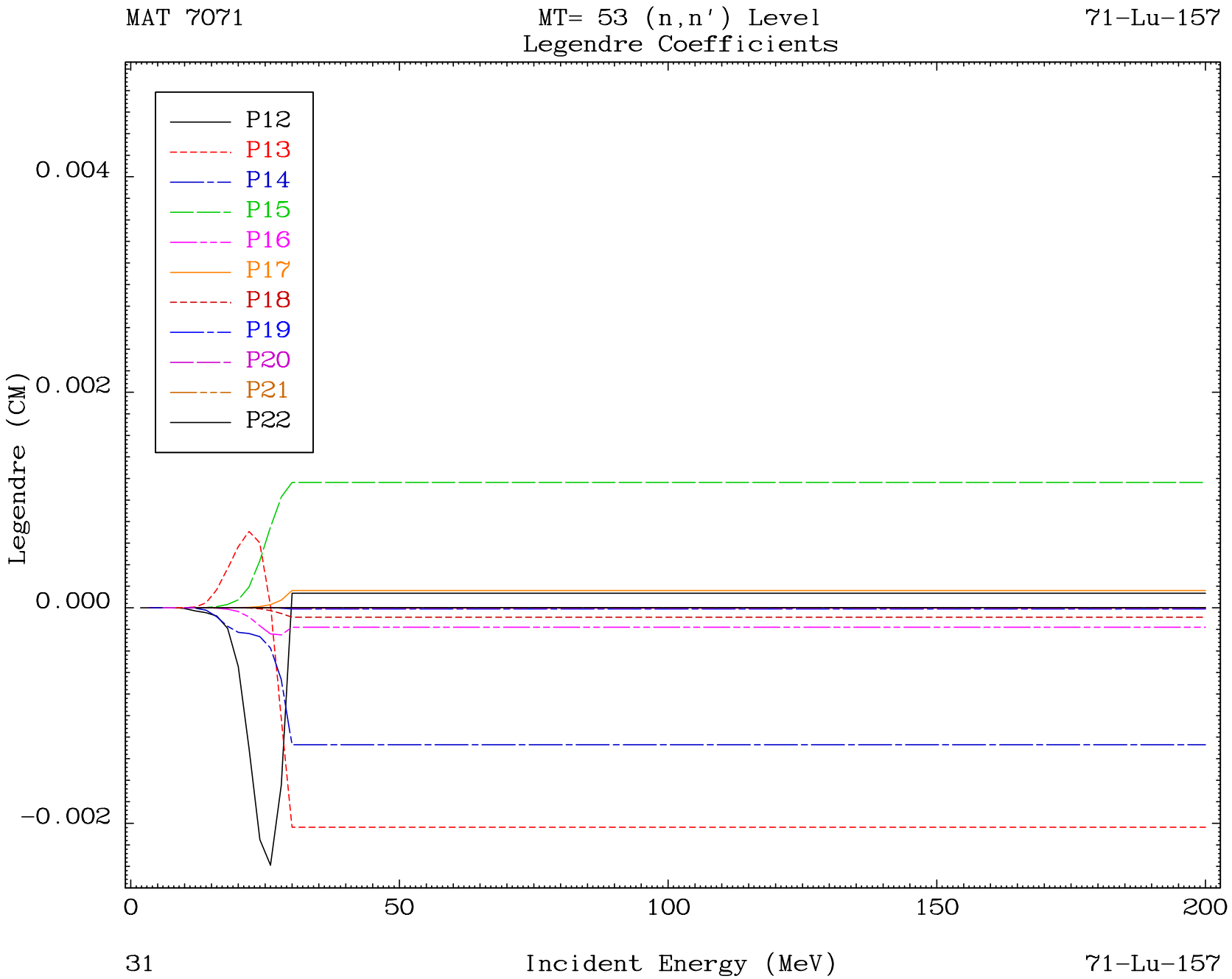

MAT 7071
MT= 52 (n,n') Level
Legendre Coefficients
71-Lu-157
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
26
Incident Energy (MeV)
71-Lu-157

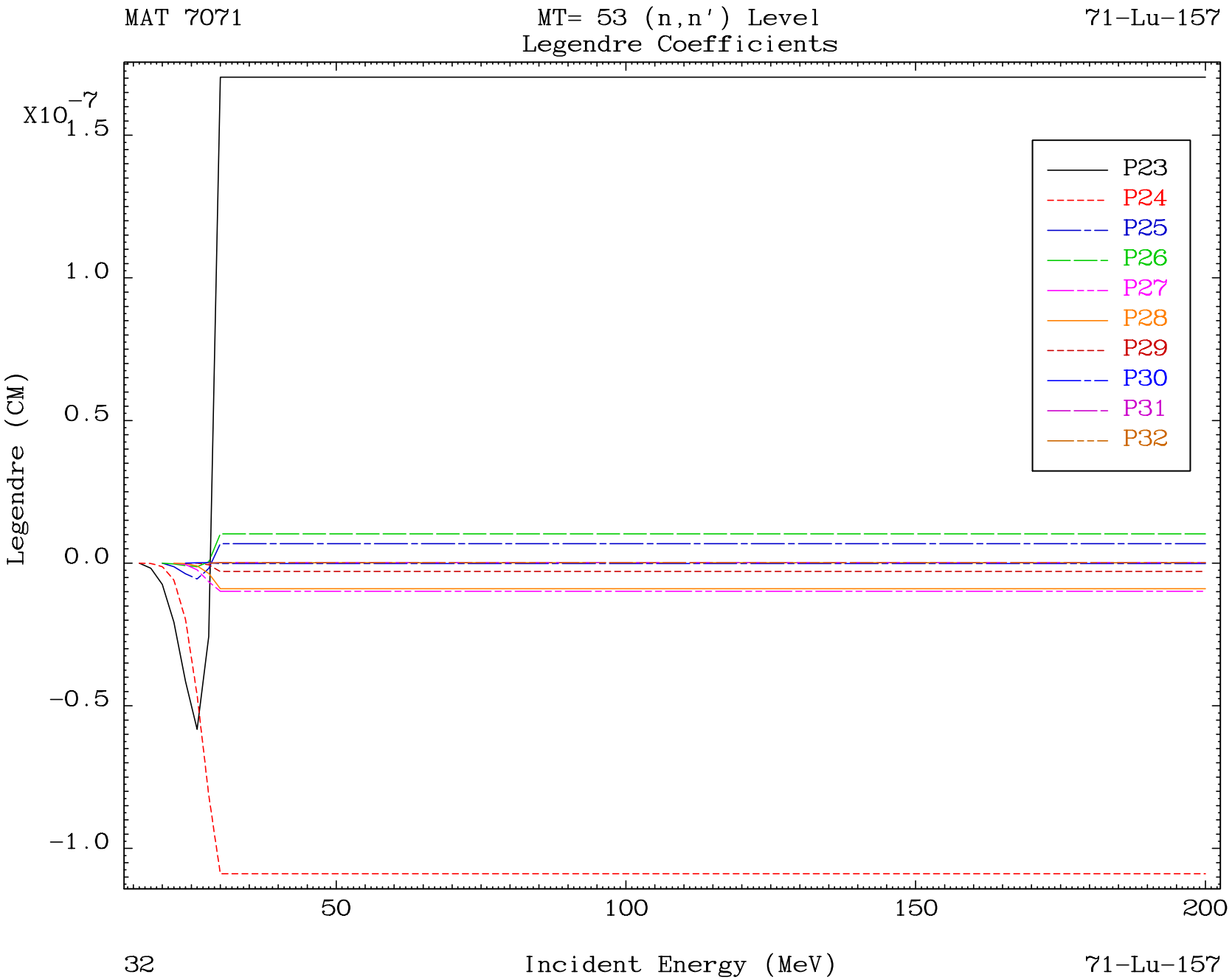

MAT 7071
MT= 52 (n,n') Level
Legendre Coefficients
71-Lu-157
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
27
Incident Energy (MeV)
71-Lu-157
P10
P11
P12
P13
P14
P15
P16
P17
P18

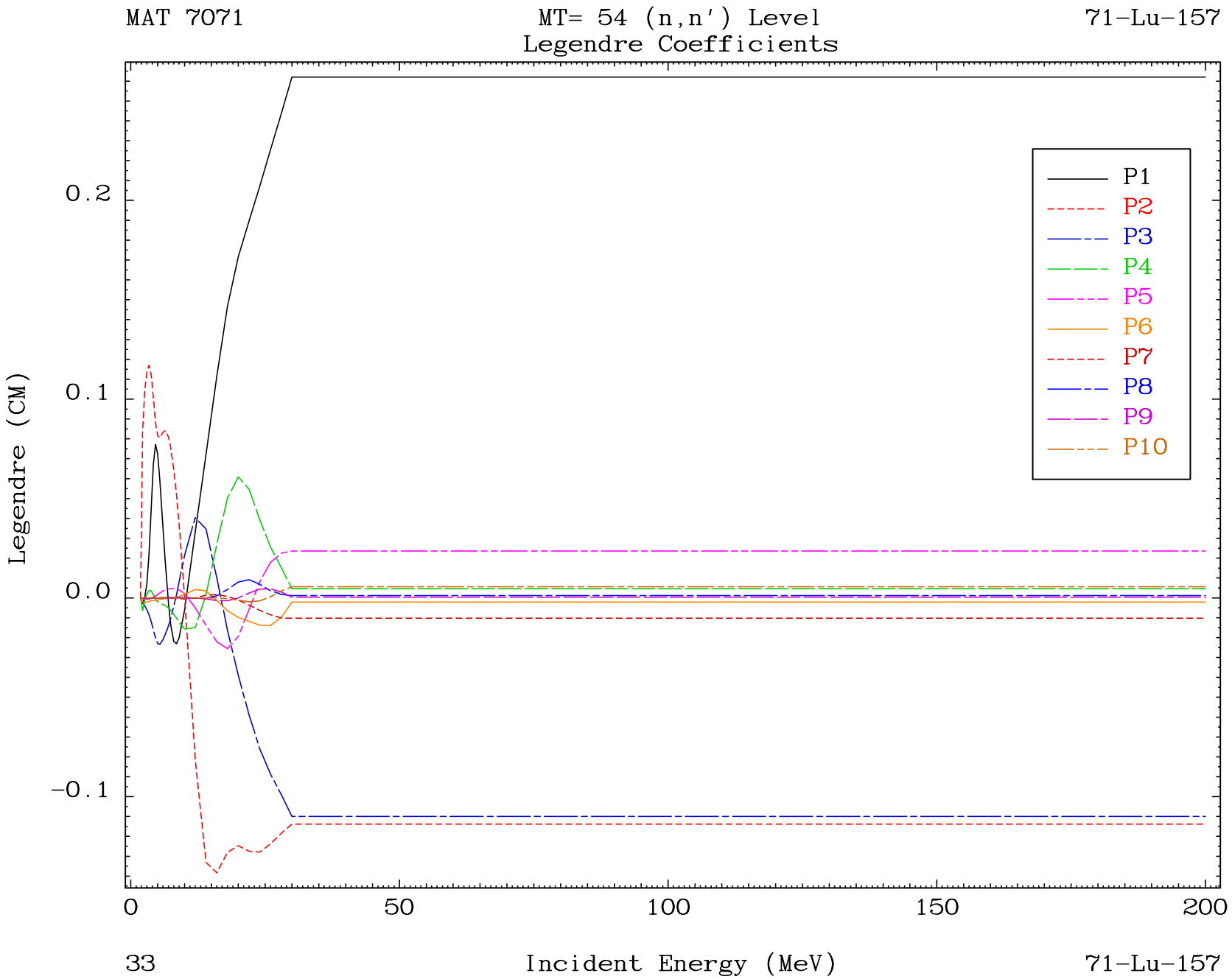

MAT 7071
MT= 52 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-4
1.2
0.8
0.4
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
28
Incident Energy (MeV)
71-Lu-157

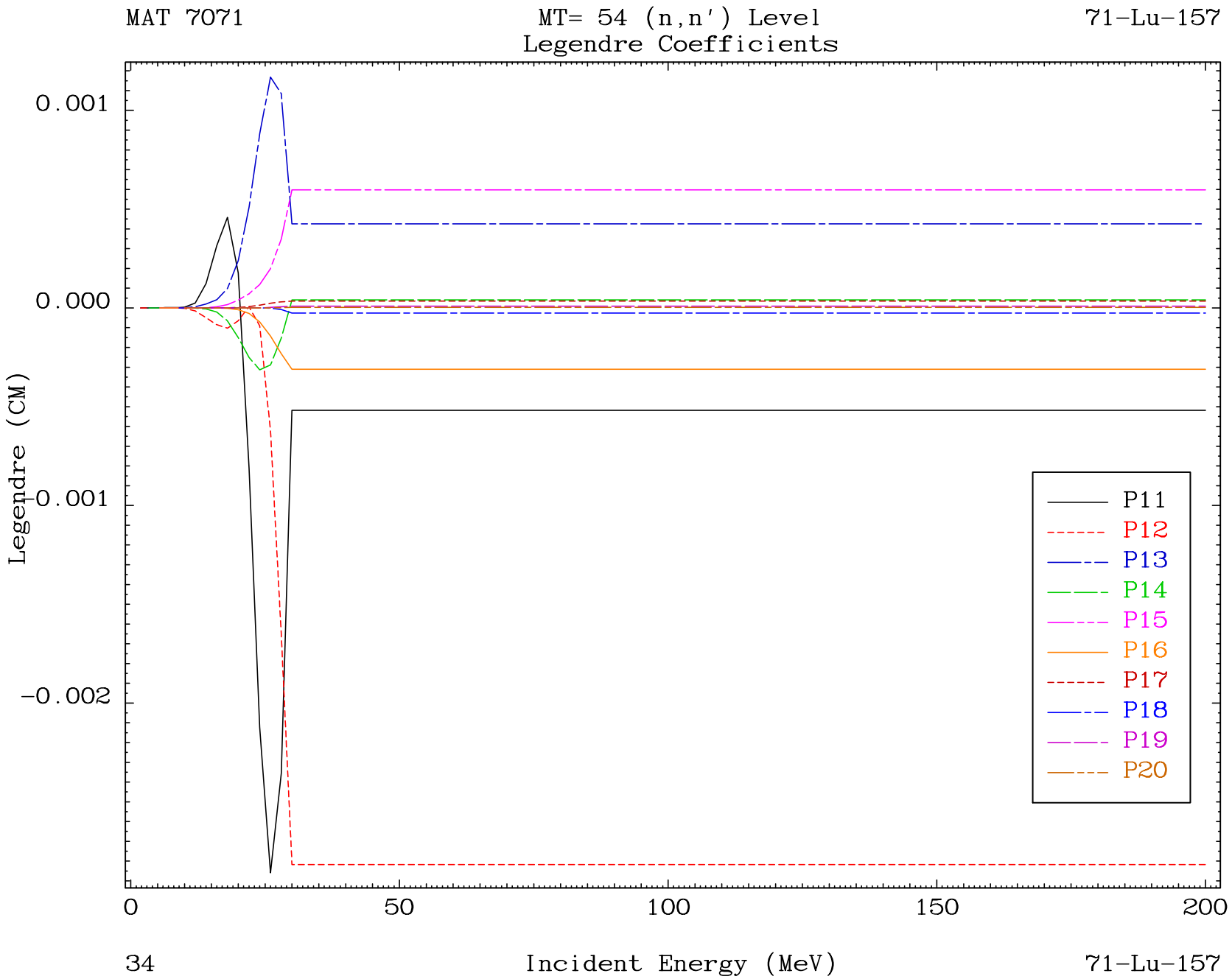

MAT 7071
MT= 52 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-8
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
29
Incident Energy (MeV)
71-Lu-157

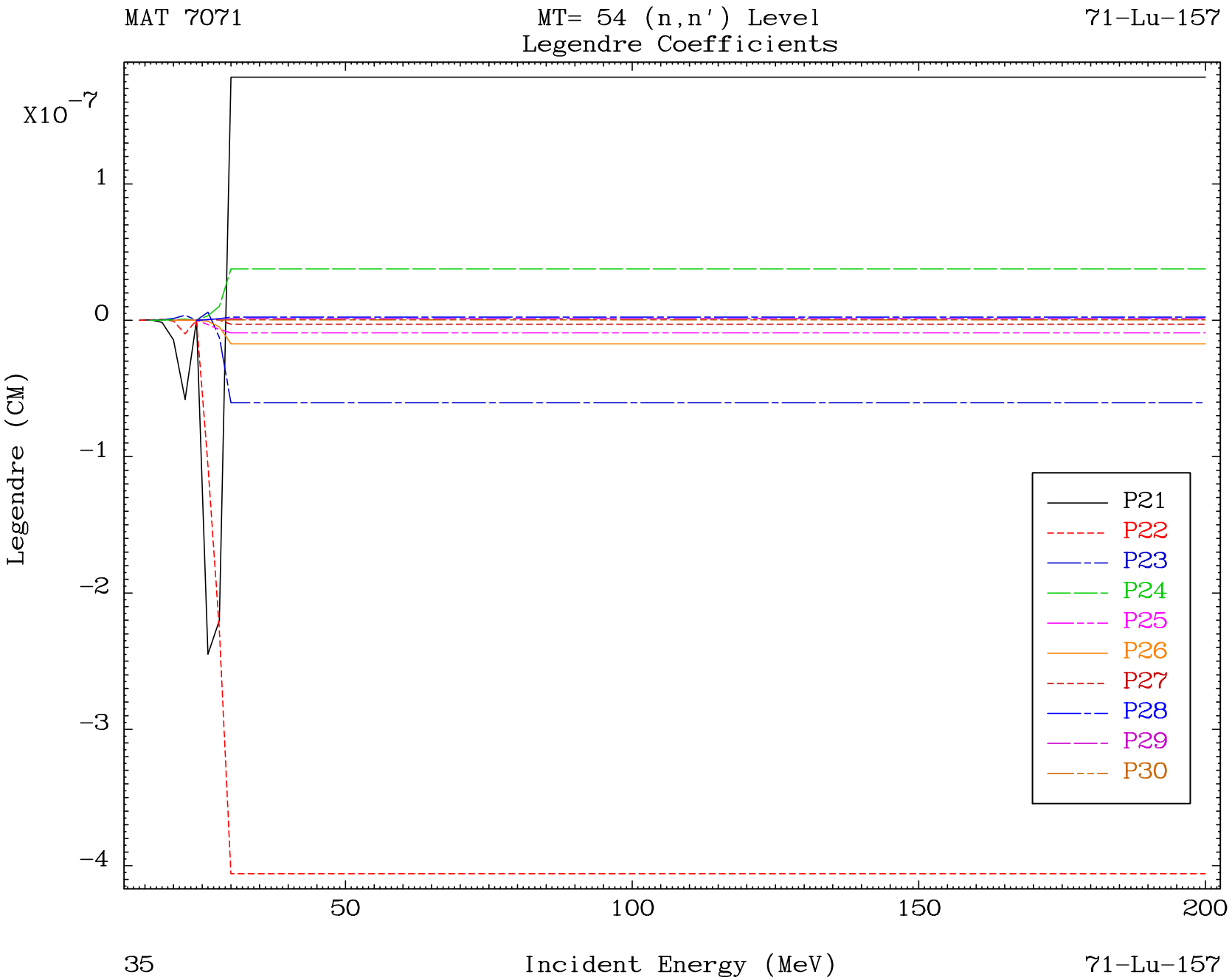

MAT 7071
MT= 53 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
30
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

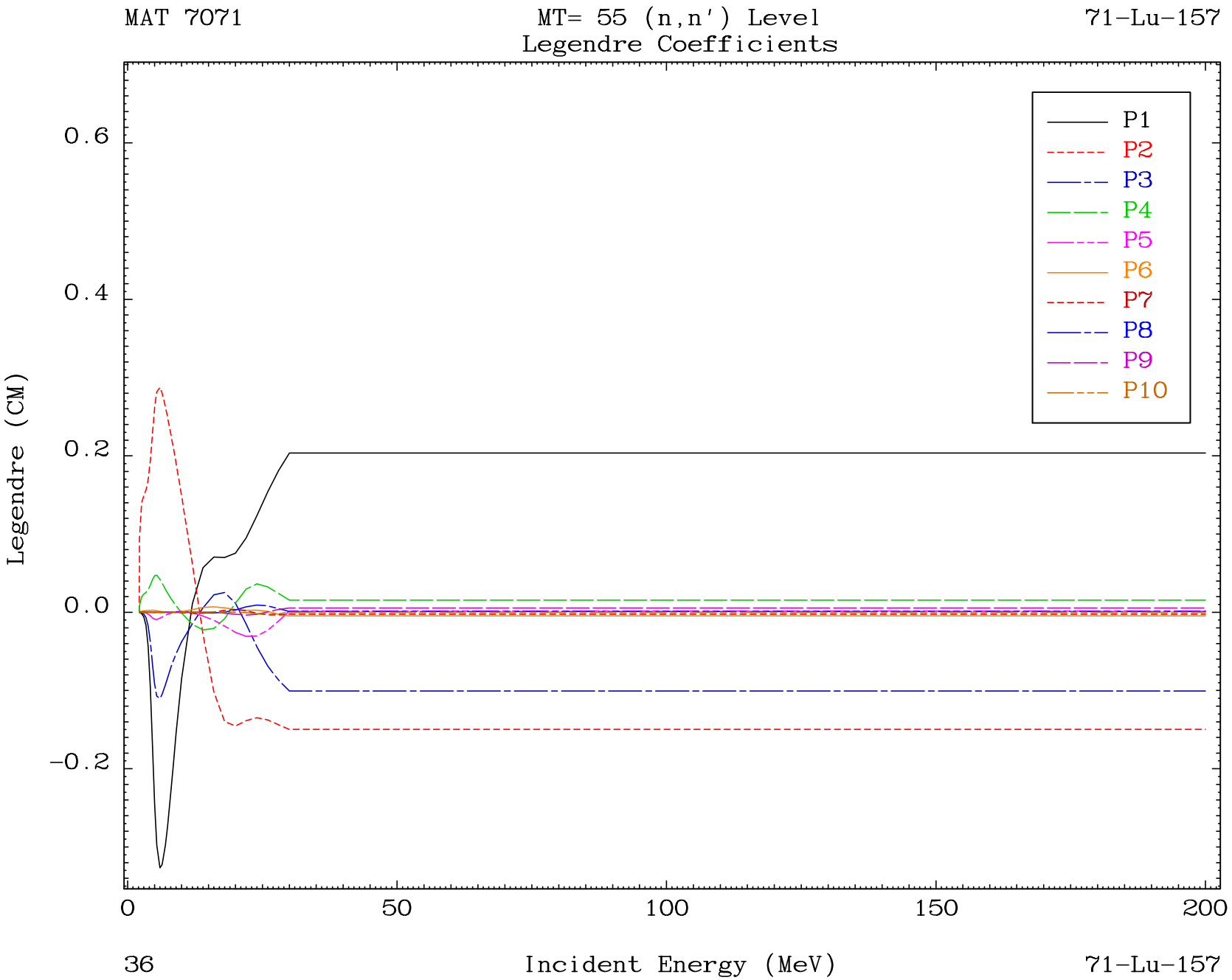

MAT 7071
MT= 53 (n,n') Level
Legendre Coefficients
71-Lu-157
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.004
0.002
0.000
-0.002
Legendre (CM)
0
50
100
150
200
31
Incident Energy (MeV)
71-Lu-157

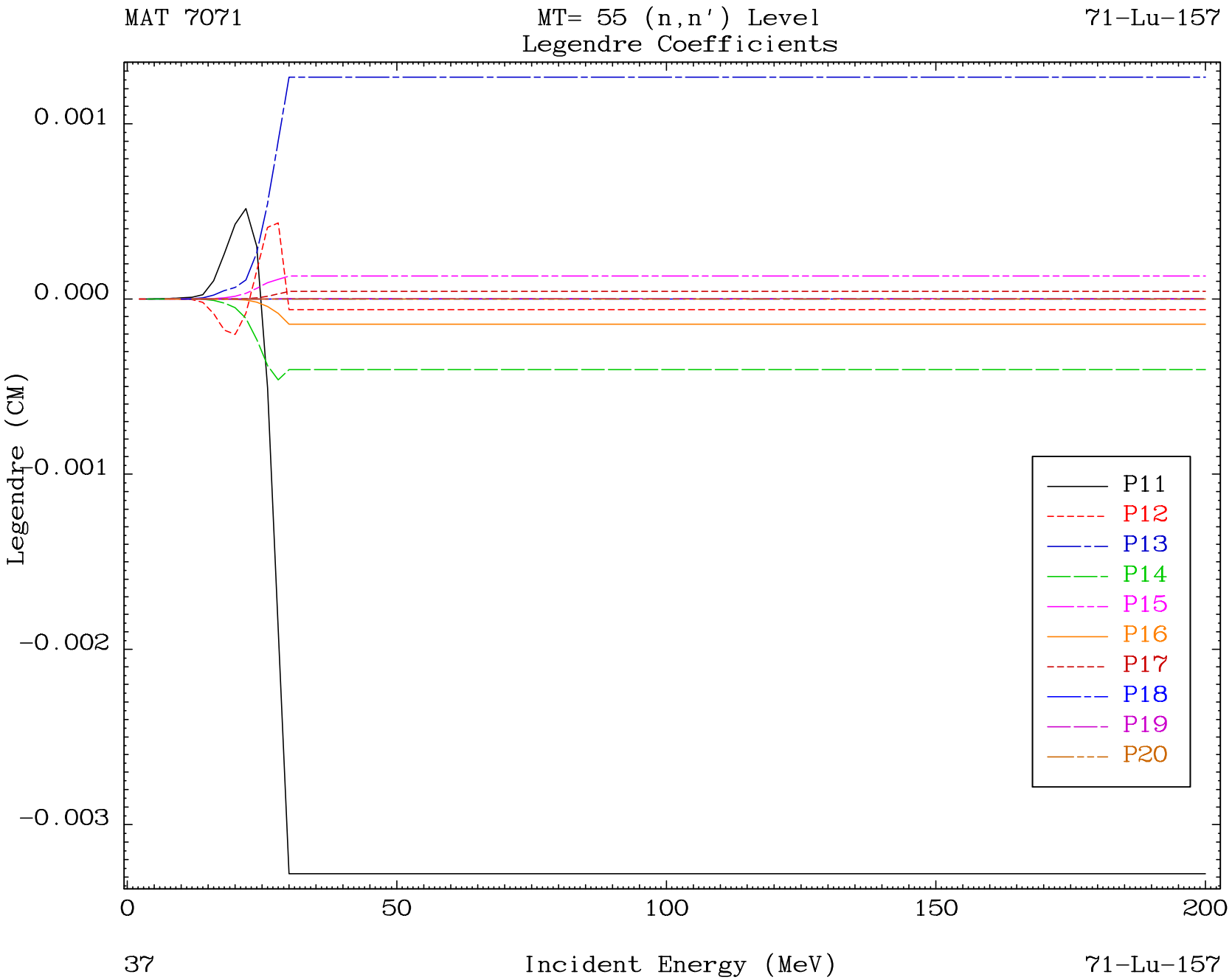

MAT 7071
MT= 53 (n,n') Level
Legendre Coefficients
71-Lu-157
X10-7
1.5
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
50
100
150
200
32
Incident Energy (MeV)
71-Lu-157

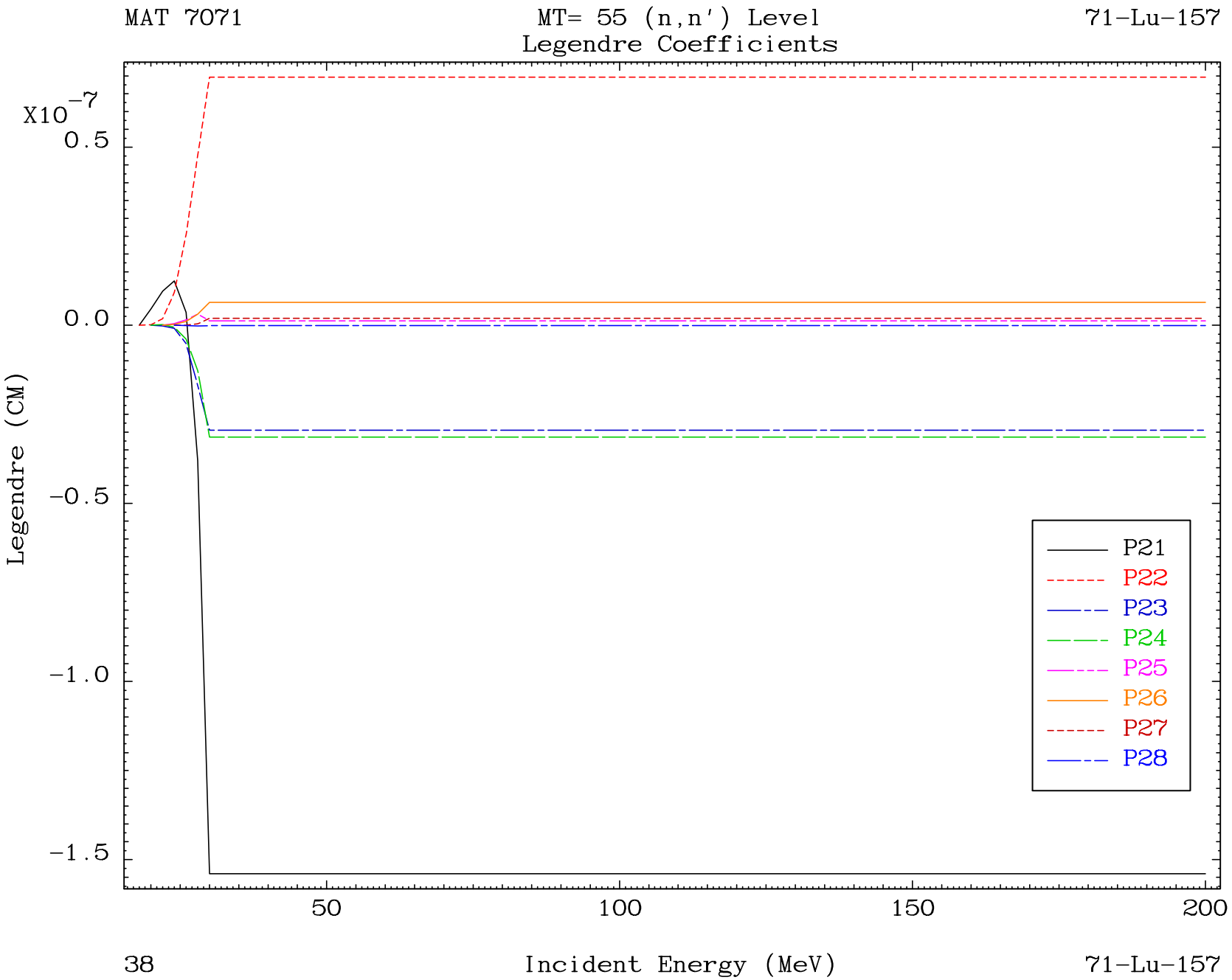

MAT 7071
MT= 54 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
33
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

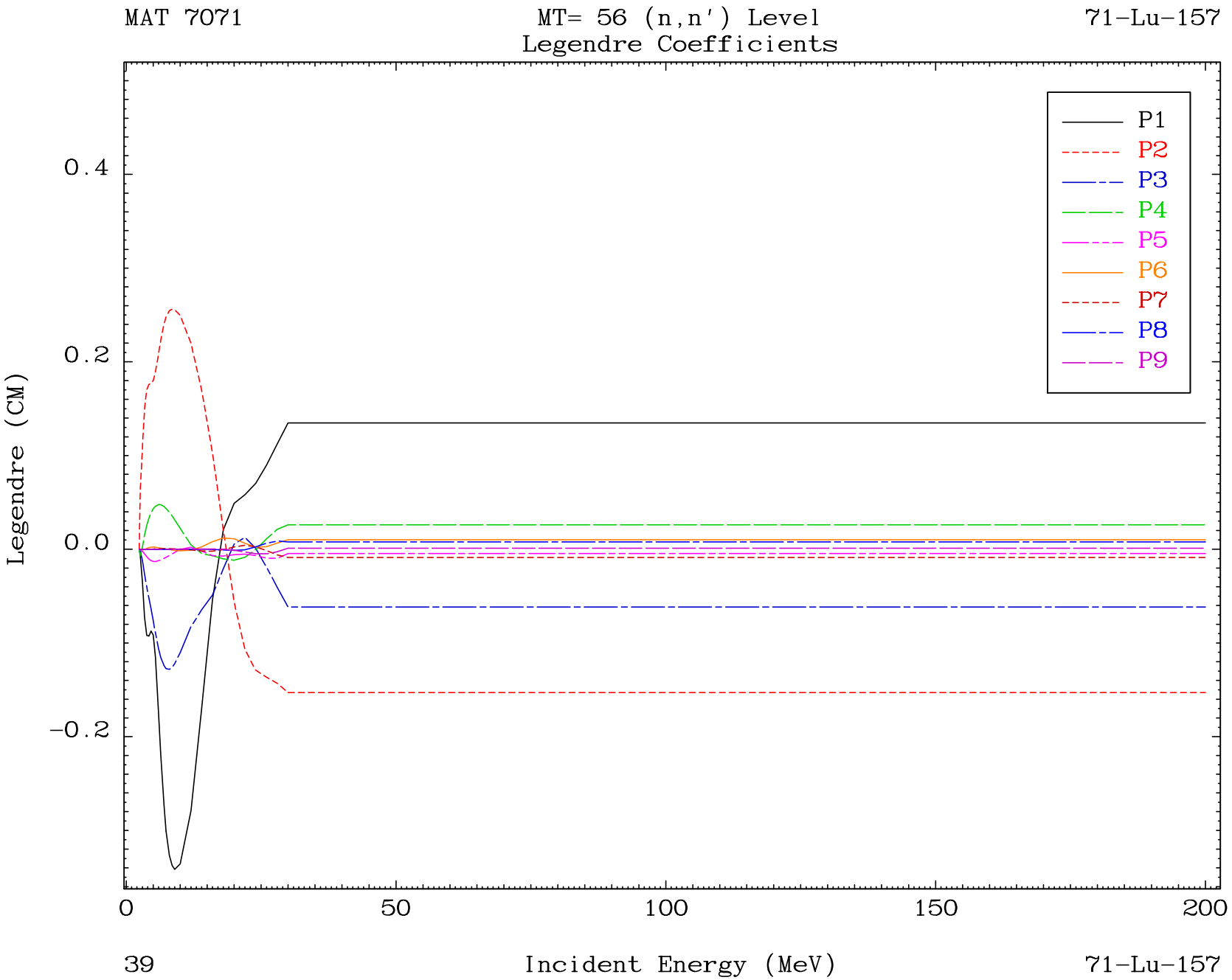

MAT 7071
MT= 54 (n,n') Level
Legendre Coefficients
71-Lu-157
0.001
0.000
-0.001
-0.002
Legendre (CM)
0
50
100
150
200
34
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

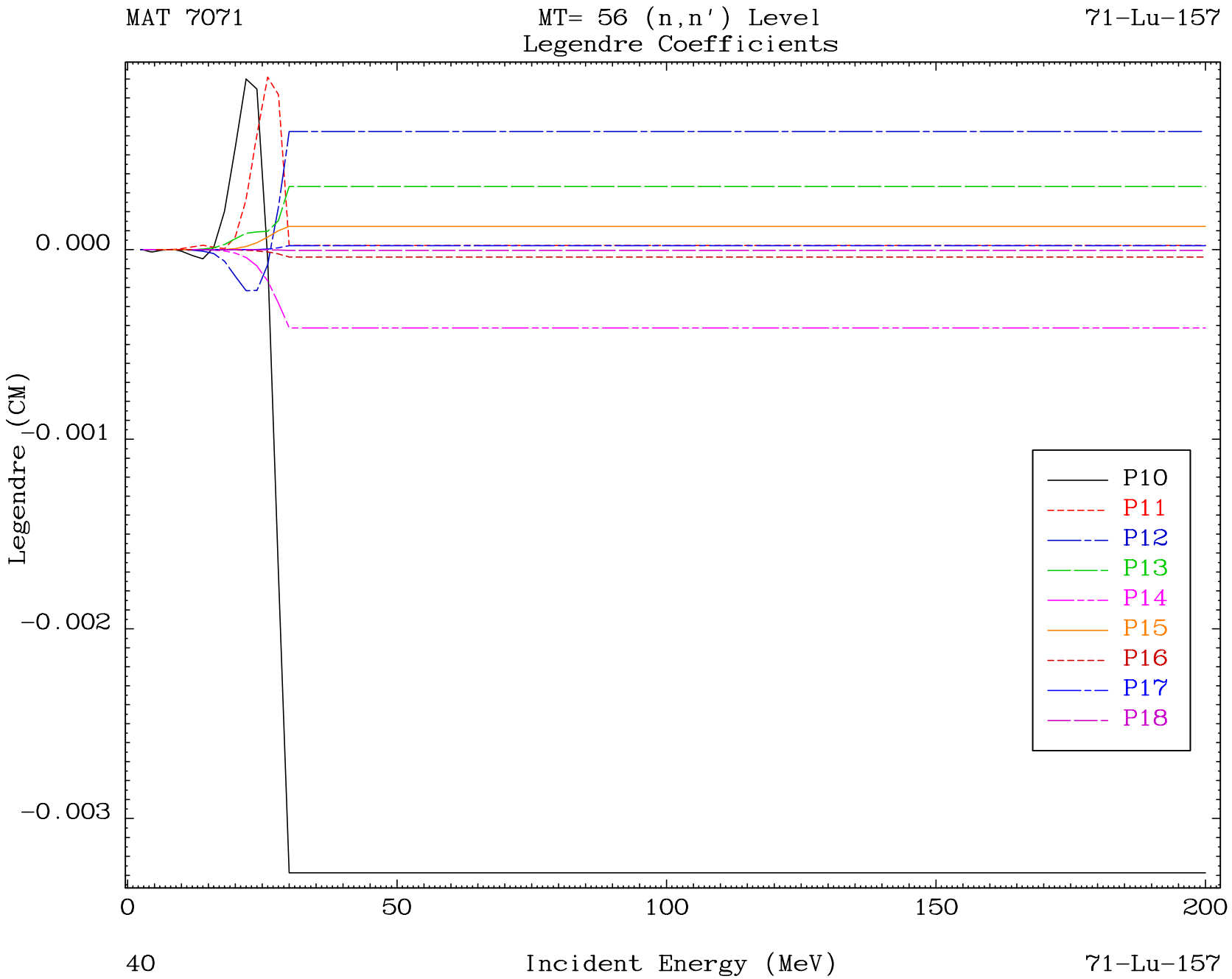

MAT 7071
MT= 54 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
1
0
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
35
Incident Energy (MeV)
71-Lu-157
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30

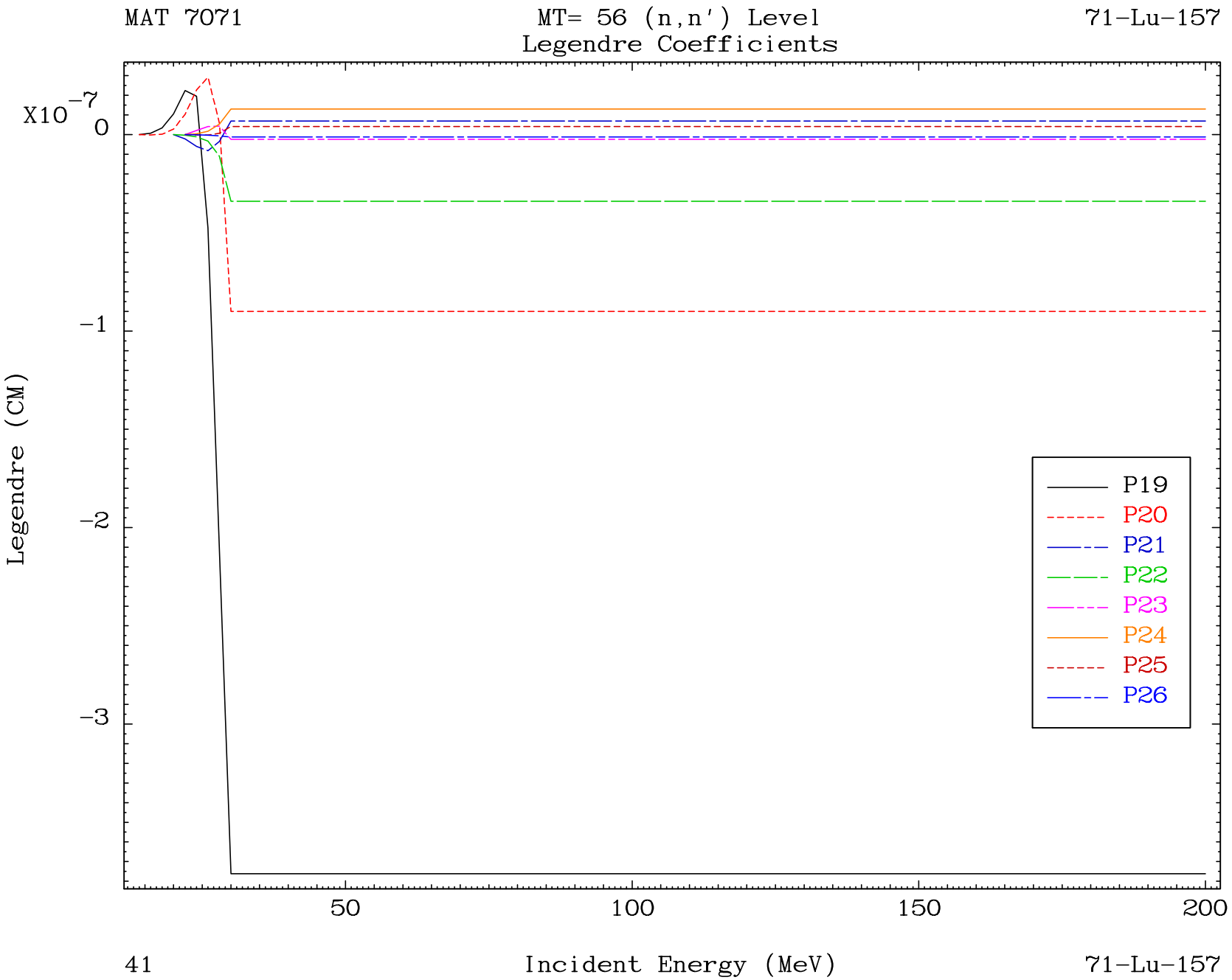

MAT 7071
MT= 55 (n,n') Level
Legendre Coefficients
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0.6
0.4
0.2
0.0
-0.2
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
71-Lu-157

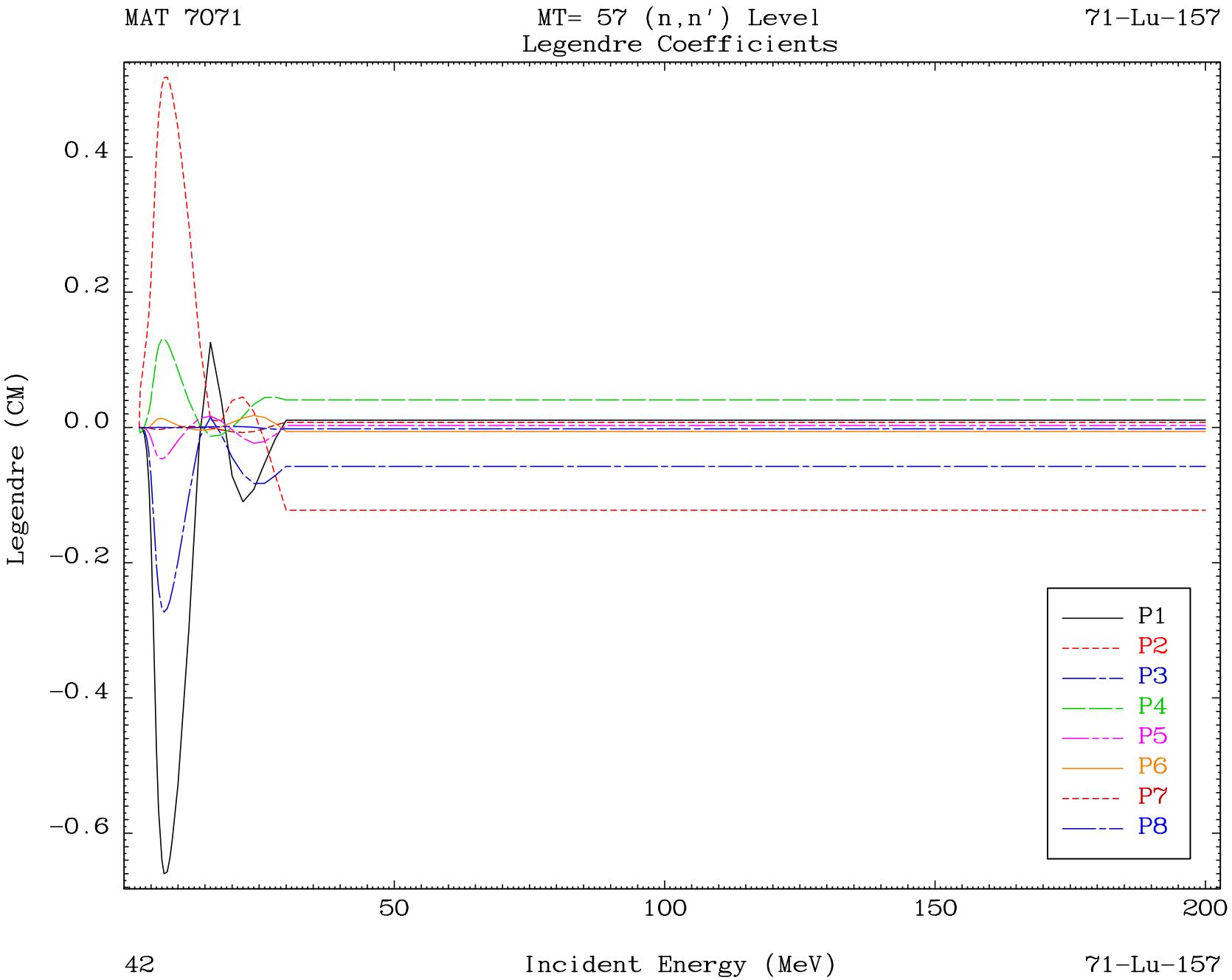

MAT 7071
MT= 55 (n,n') Level
Legendre Coefficients
71-Lu-157
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
0
50
100
150
200
37
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

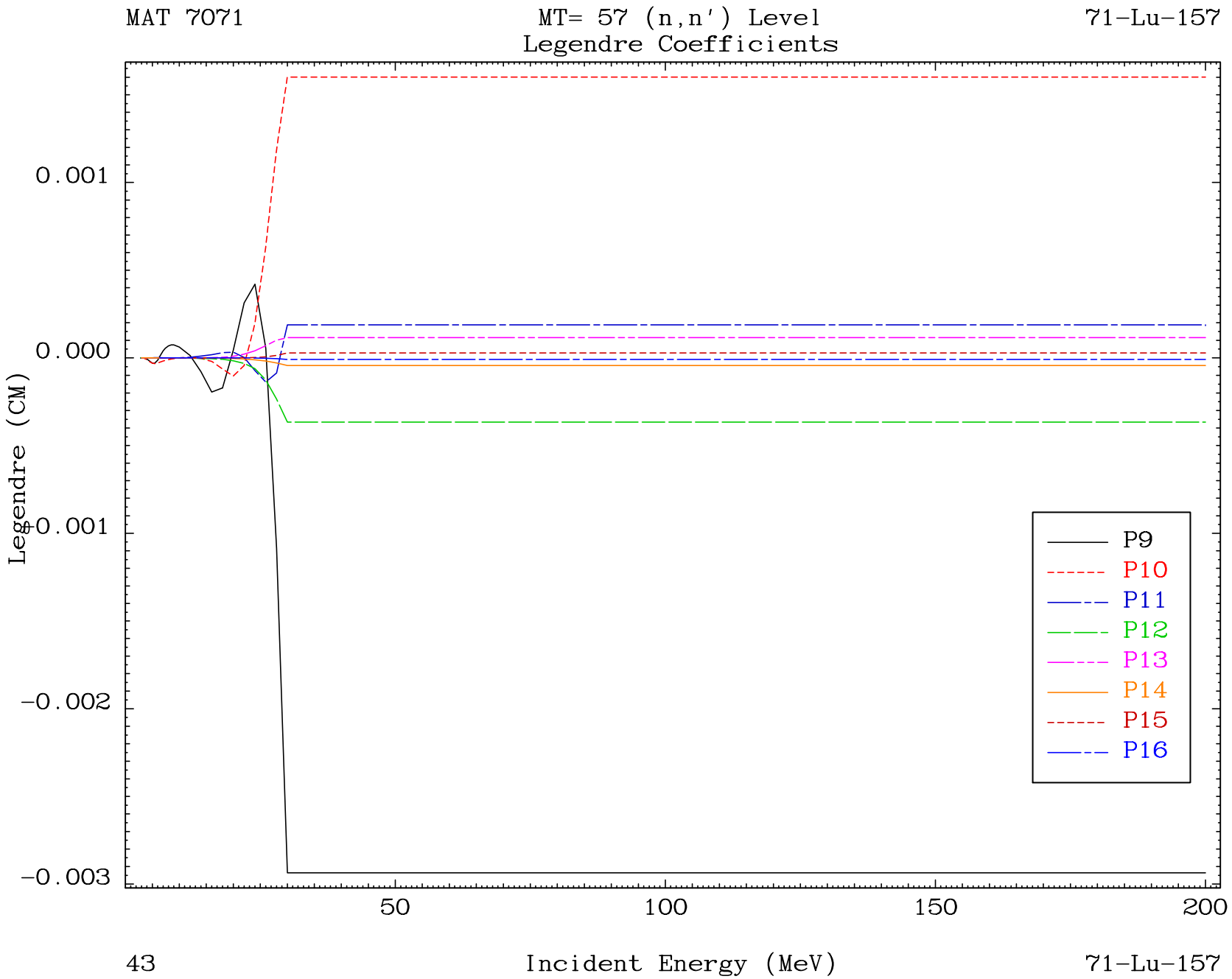

MAT 7071
MT= 55 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
0.5
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
71-Lu-157
P21
P22
P23
P24
P25
P26
P27
P28

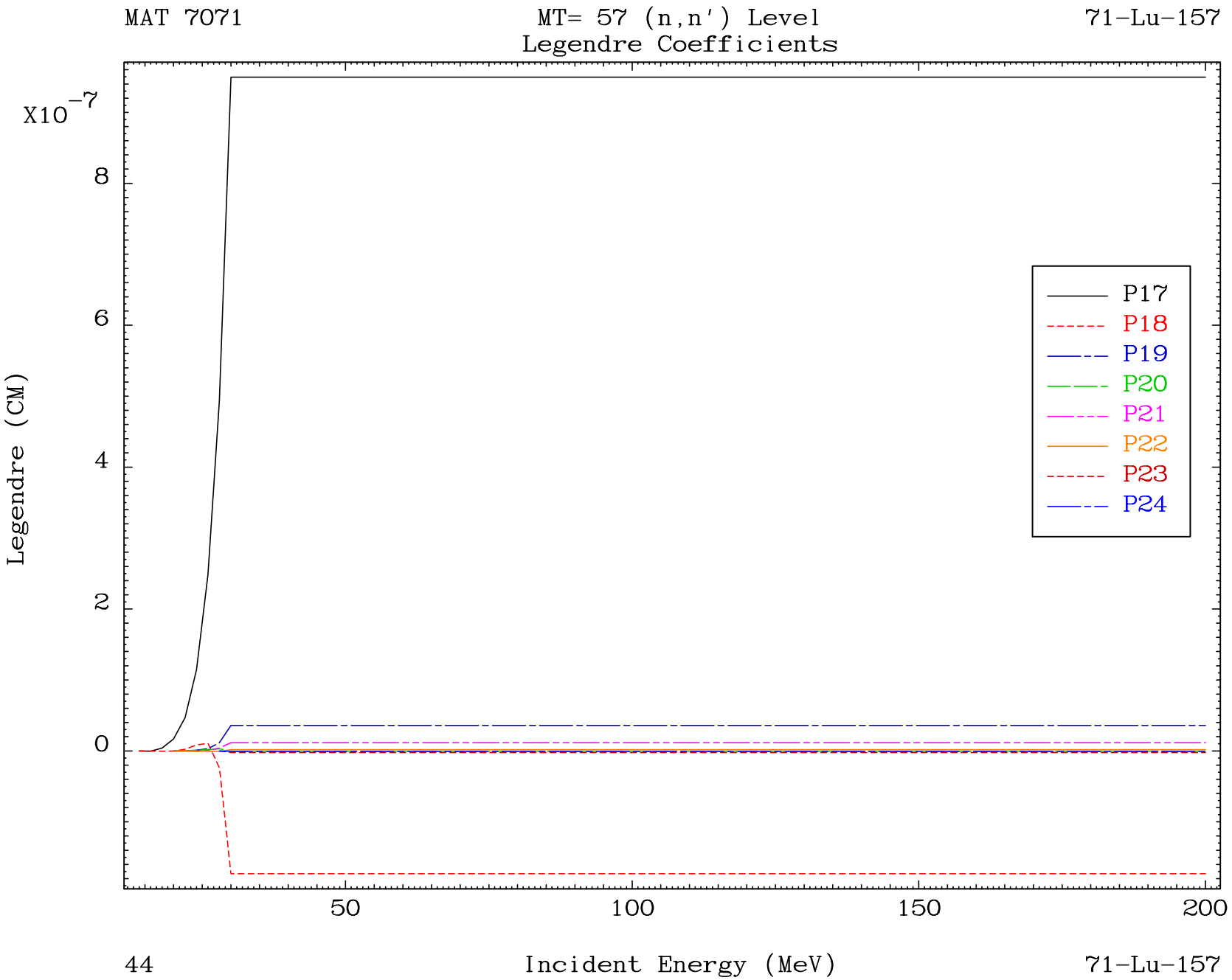

MAT 7071
MT= 56 (n,n') Level
Legendre Coefficients
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.4
0.2
0.0
-0.2
Legendre (CM)
0
50
100
150
200
39
Incident Energy (MeV)
71-Lu-157

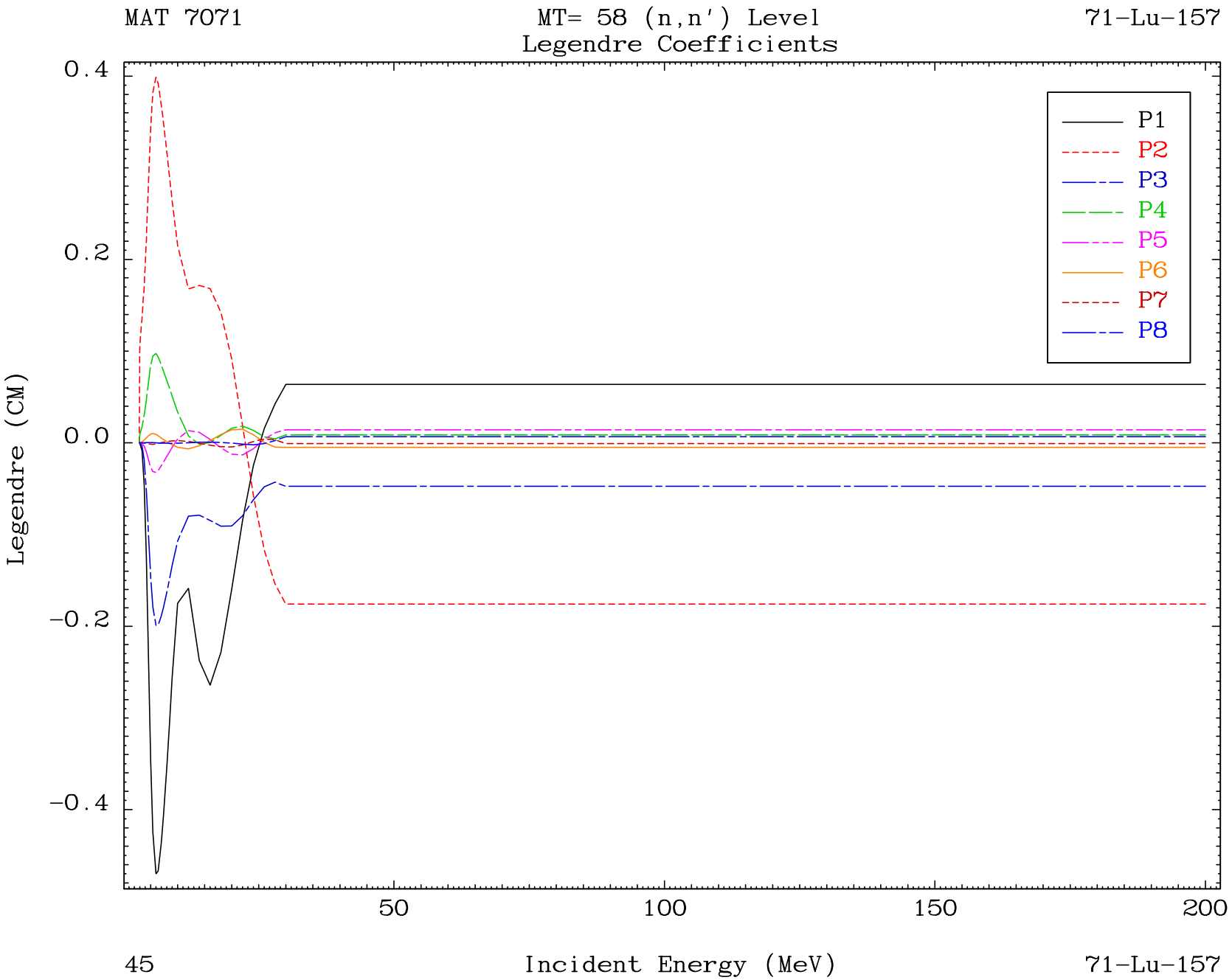

MAT 7071
MT= 56 (n,n') Level
Legendre Coefficients
71-Lu-157
0.000
-0.001
-0.002
-0.003
Legendre l (CM)
0
50
100
150
200
40
Incident Energy (MeV)
71-Lu-157
P10
P11
P12
P13
P14
P15
P16
P17
P18

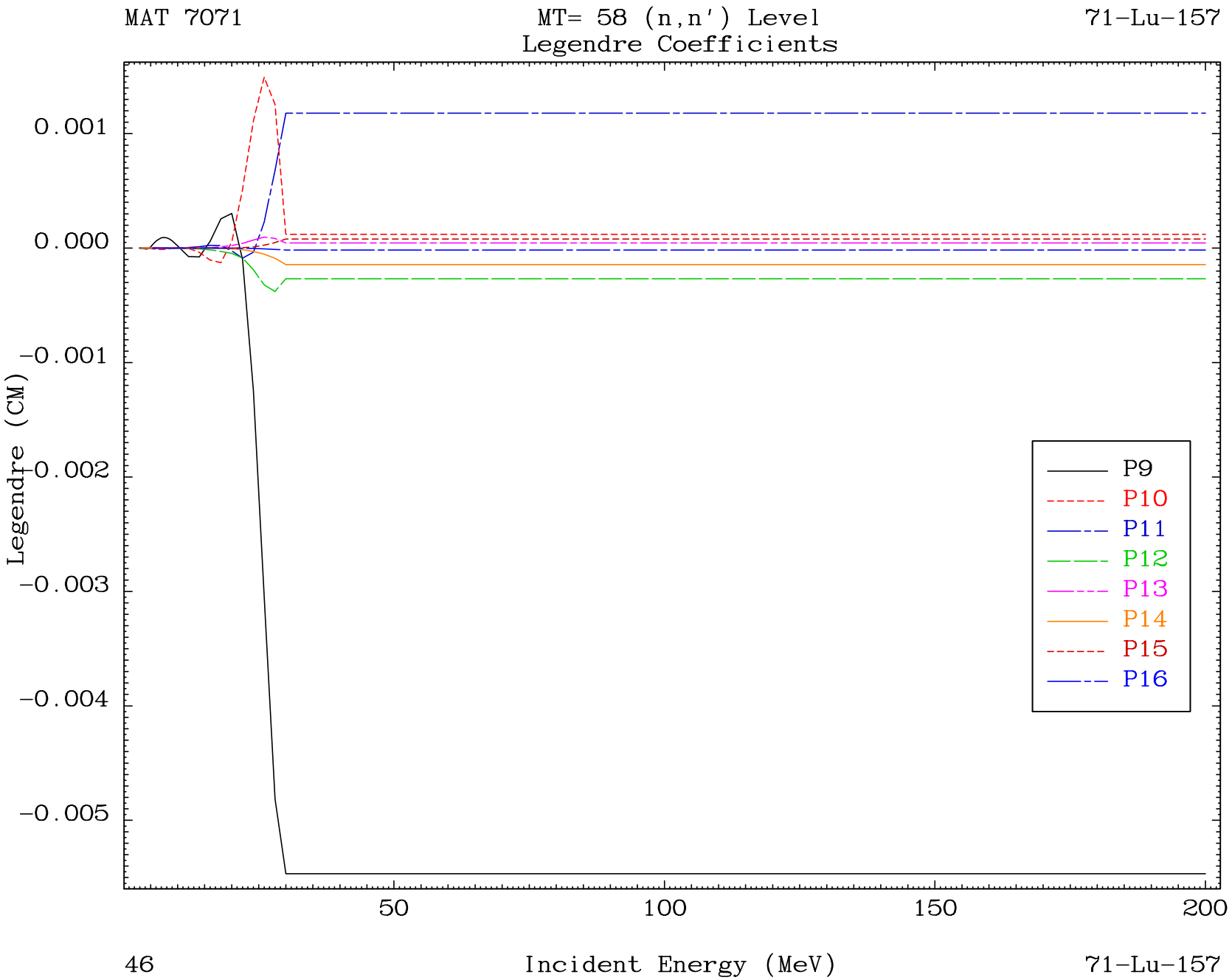

MAT 7071
MT= 56 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
0
-1
-2
-3
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
41
71-Lu-157
P19
P20
P21
P22
P23
P24
P25
P26

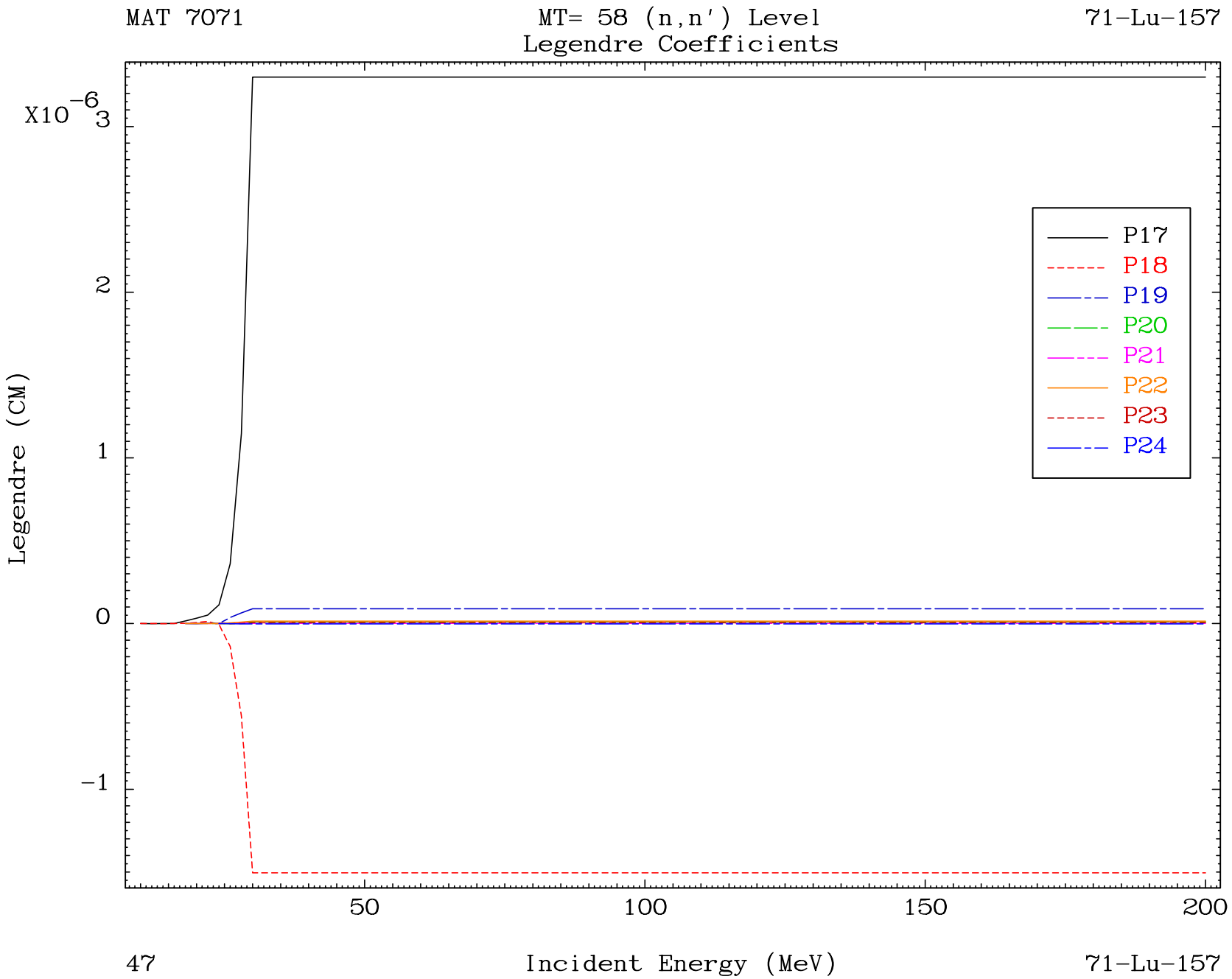

MAT 7071
MT= 57 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.2
0.0
-0.2
-0.4
-0.6
50
100
150
200
42
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8

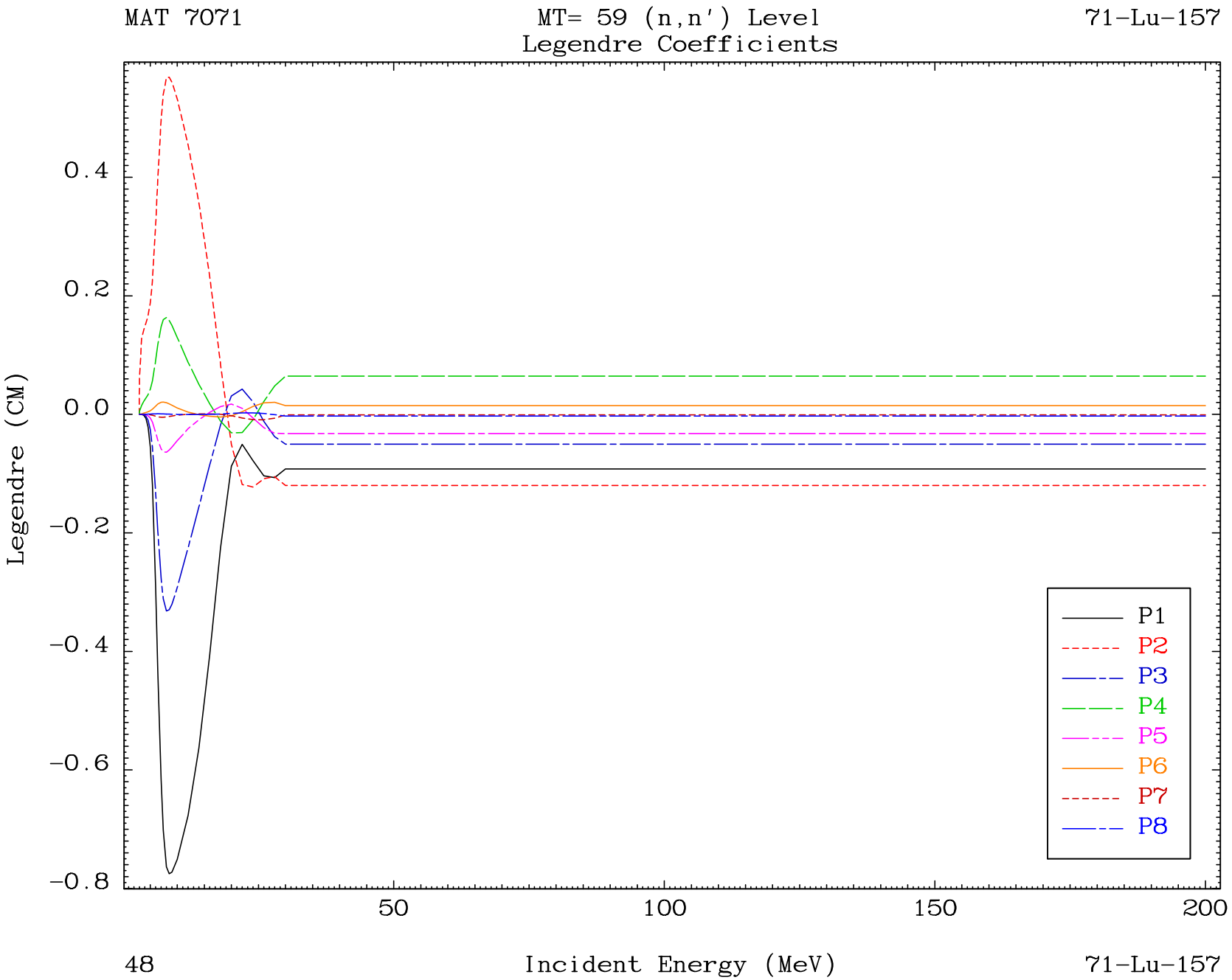

MAT 7071
MT= 57 (n,n') Level
Legendre Coefficients
71-Lu-157
0.001
0.000
-0.001
-0.002
-0.003
Legendre (CM)
50
100
150
200
P9
P10
P11
P12
P13
P14
P15
P16
43
Incident Energy (MeV)
71-Lu-157

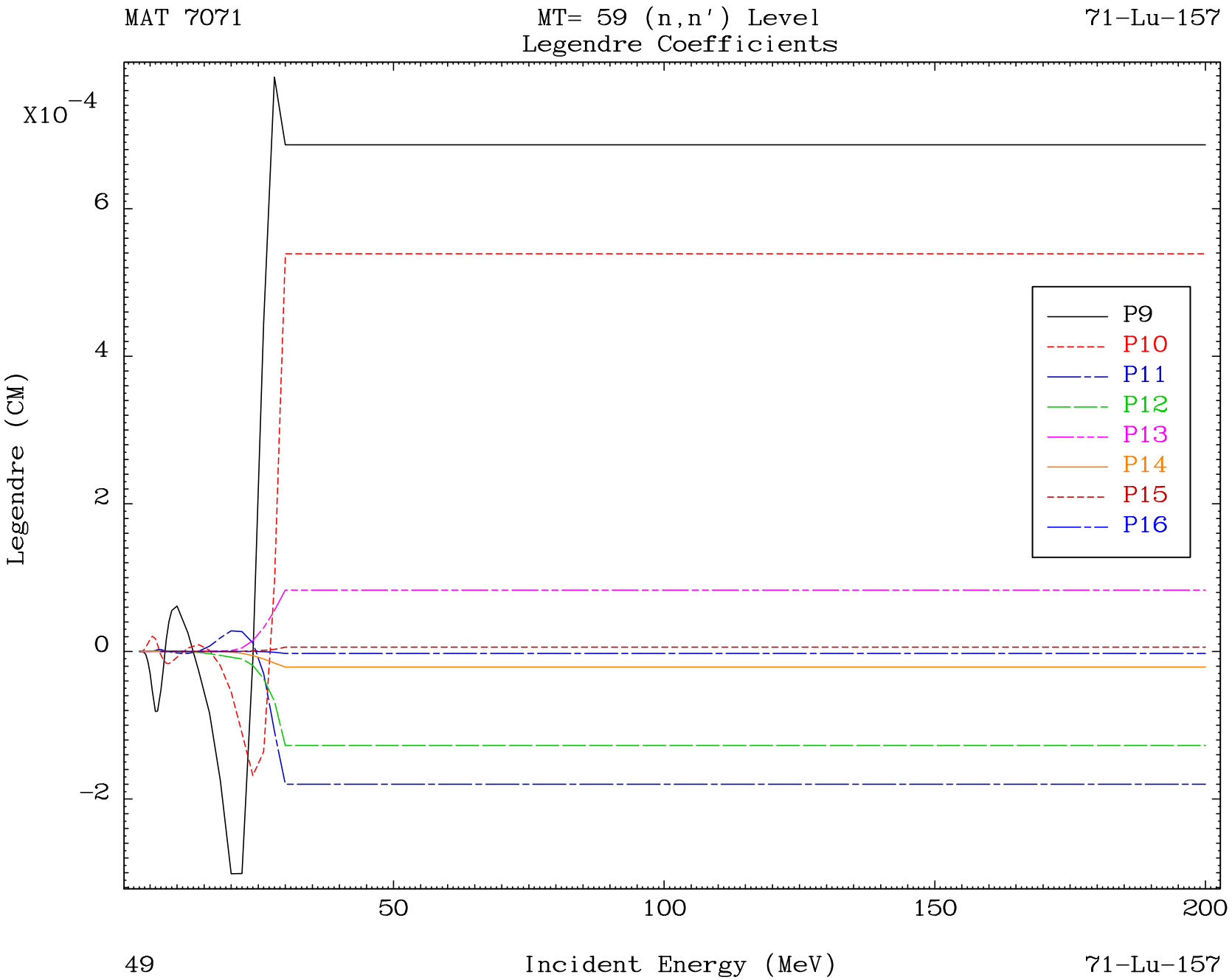

MAT 7071
MT= 57 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
8
6
4
2
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
44
Incident Energy (MeV)
71-Lu-157

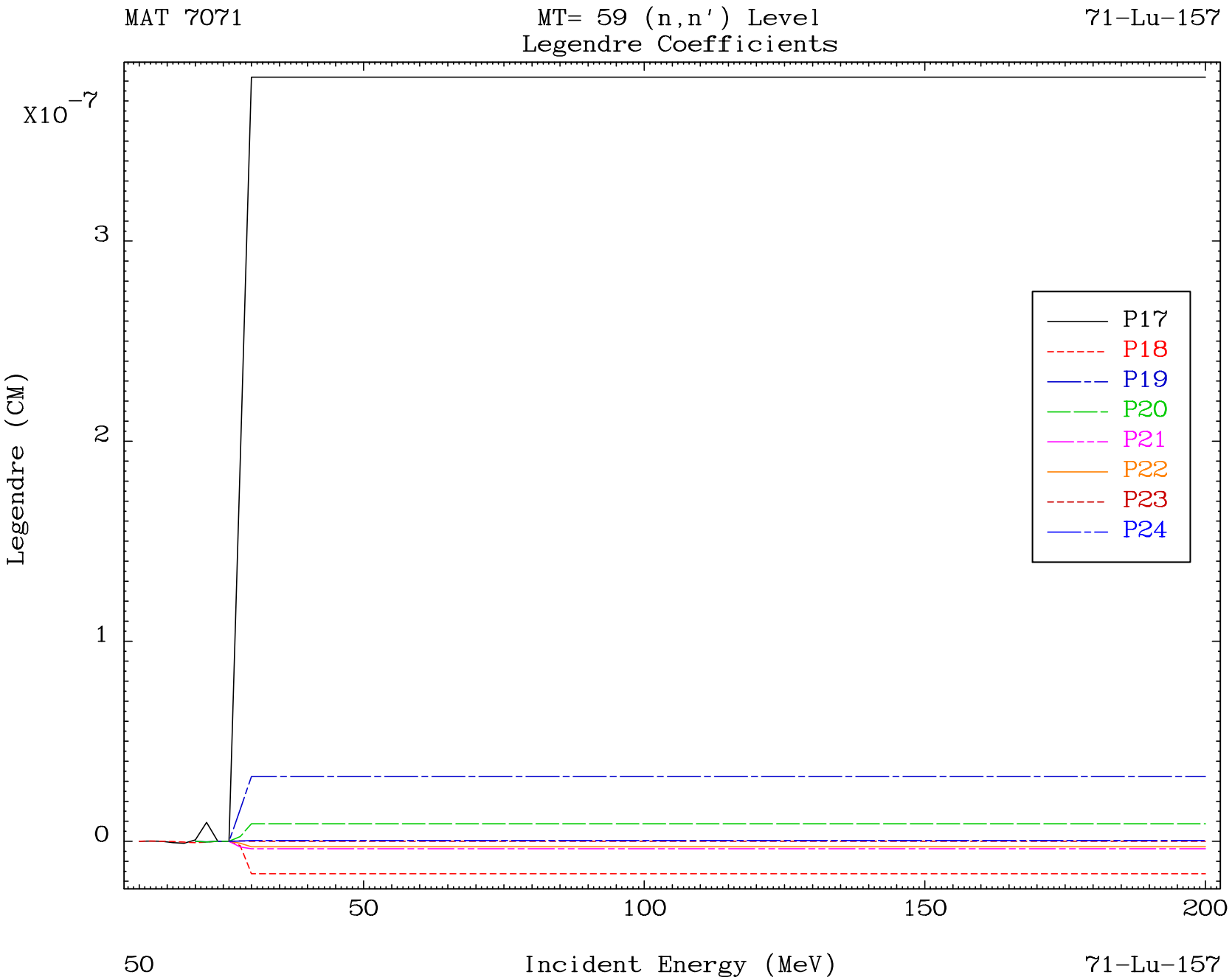

MAT 7071
MT= 58 (n,n') Level
Legendre Coefficients
71-Lu-157
0.4
0.2
0.0
−0.2
−0.4
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
50
100
150
200
45
Incident Energy (MeV)
71-Lu-157

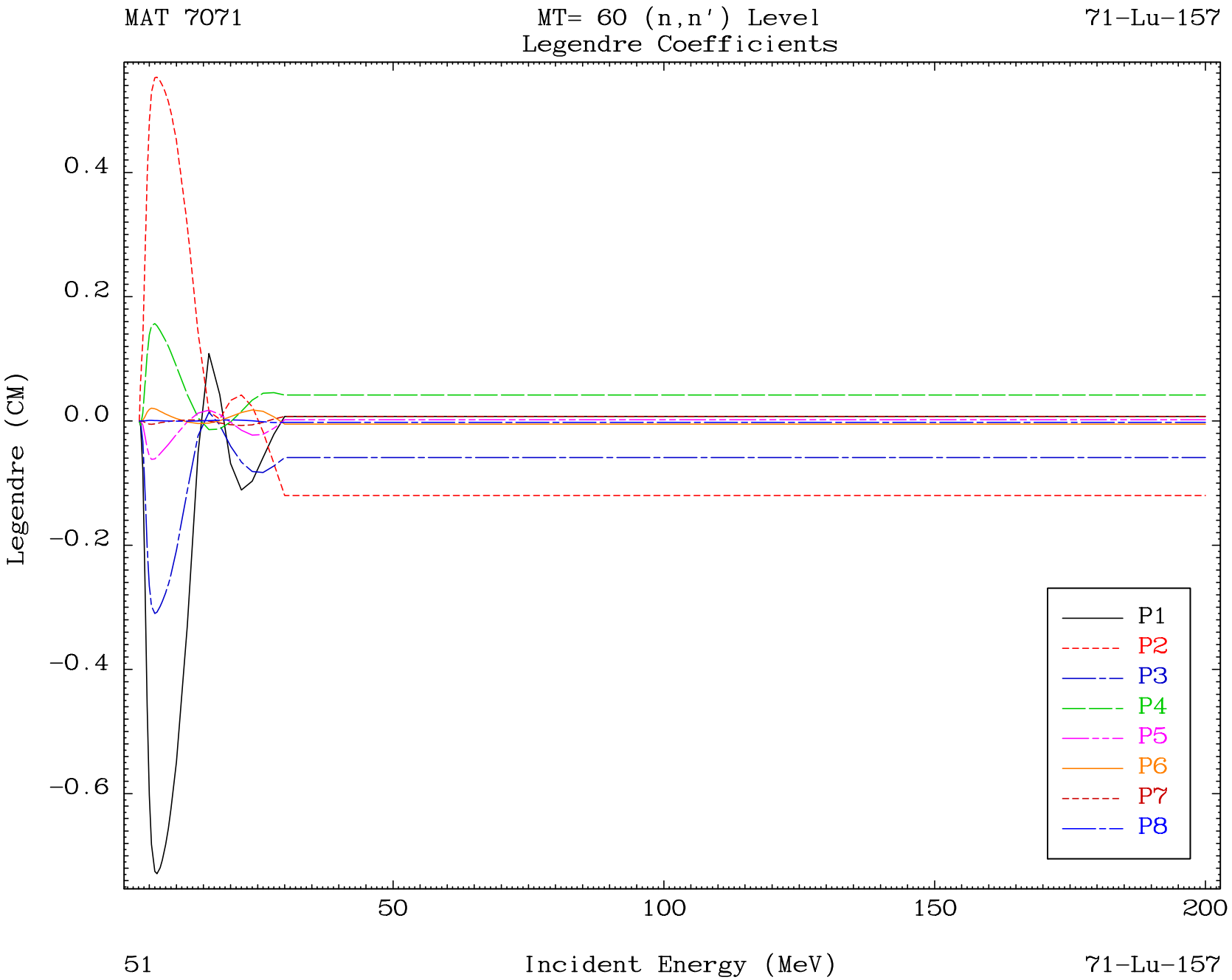

MAT 7071
MT= 58 (n,n') Level
Legendre Coefficients
71-Lu-157
0.001
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
Legendre (CM)
50
100
150
200
P9
P10
P11
P12
P13
P14
P15
P16
46
Incident Energy (MeV)
71-Lu-157

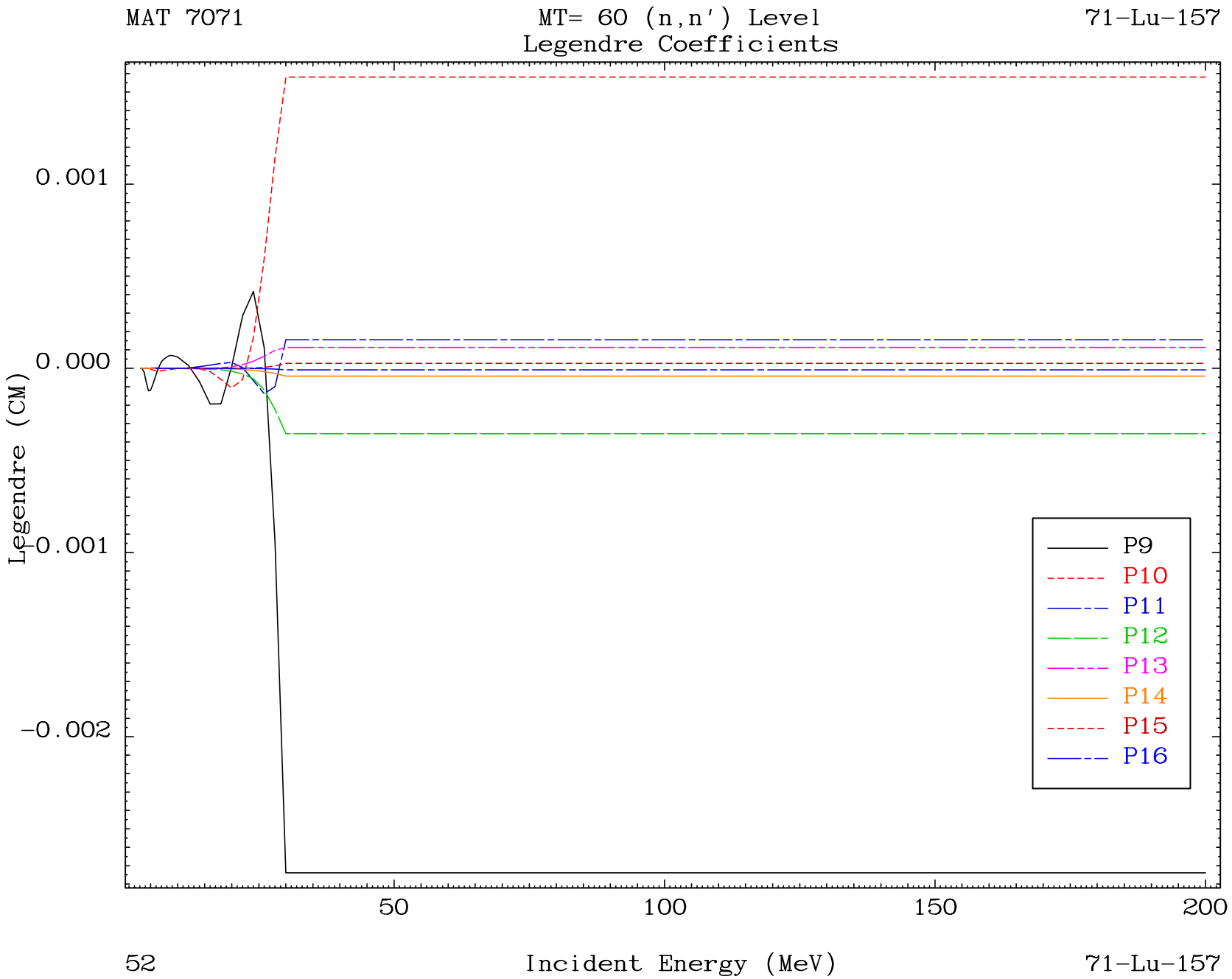

MAT 7071
MT= 58 (n,n') Level
Legendre Coefficients
71-Lu-157
X10 -6
3
2
1
0
-1
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
47
Incident Energy (MeV)
71-Lu-157

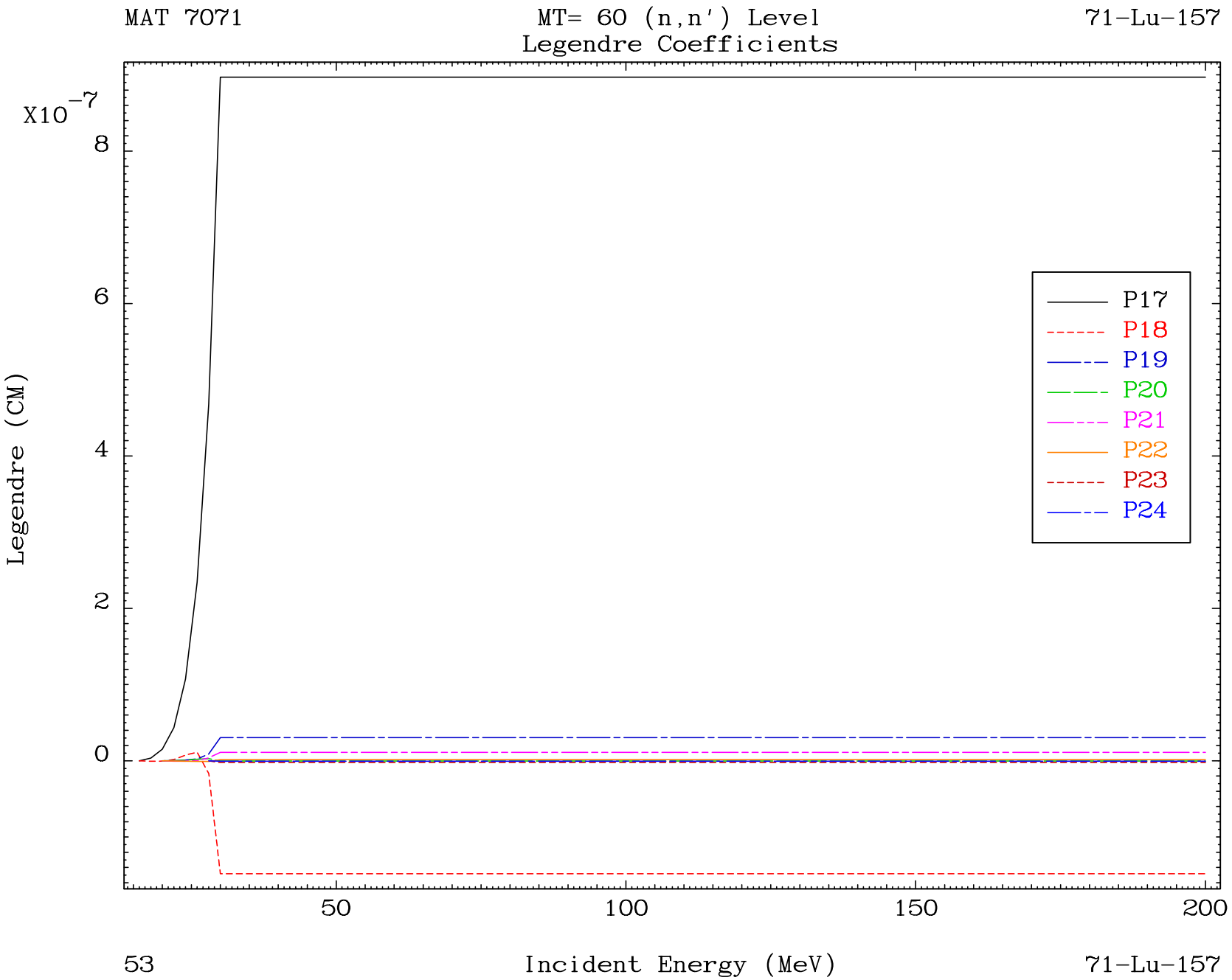

MAT 7071
MT= 59 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
50
100
150
200
48
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8

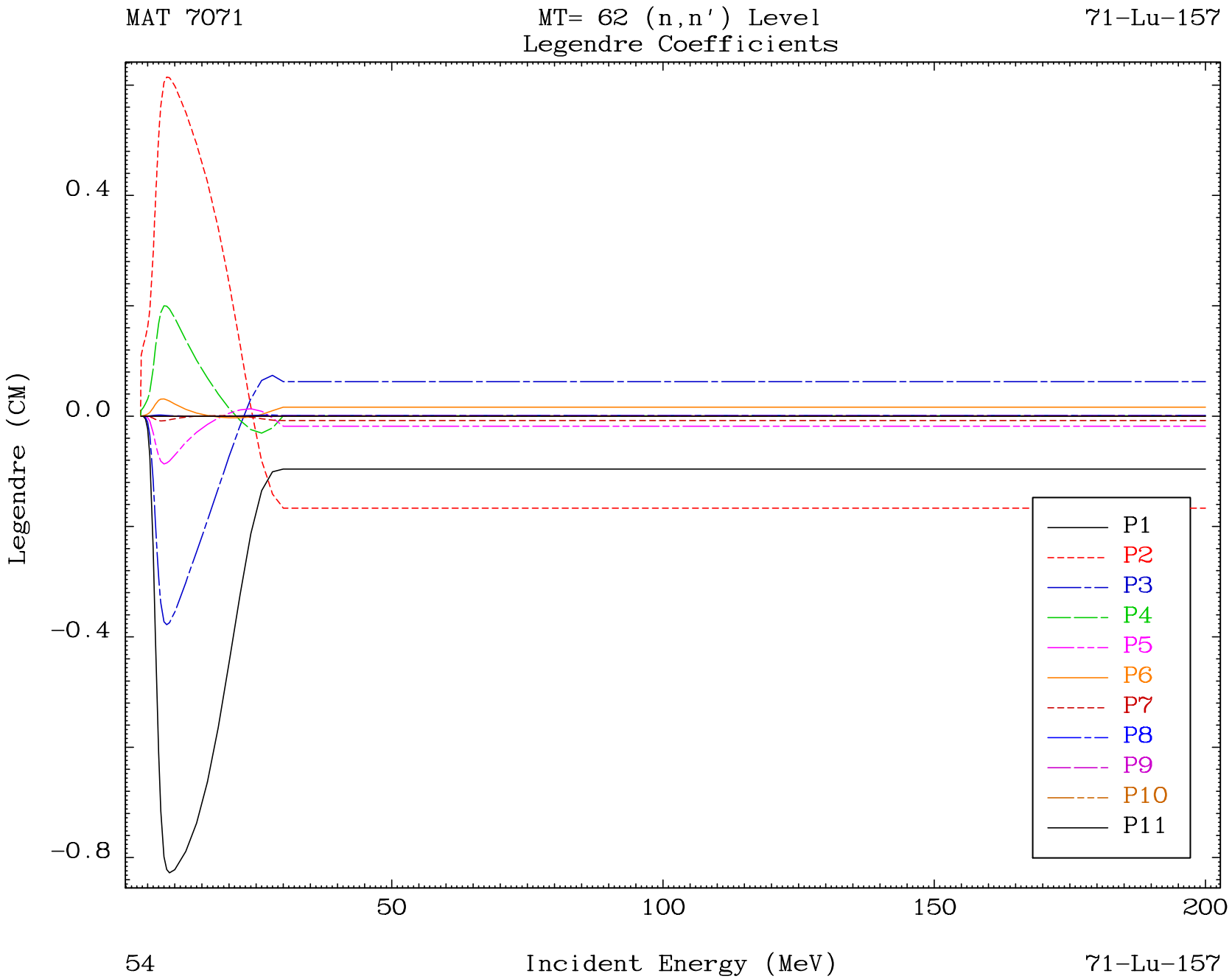

MAT 7071
MT= 59 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-4
6
4
2
0
-2
Legendre (CM)
50
100
150
200
P9
P10
P11
P12
P13
P14
P15
P16
49
Incident Energy (MeV)
71-Lu-157

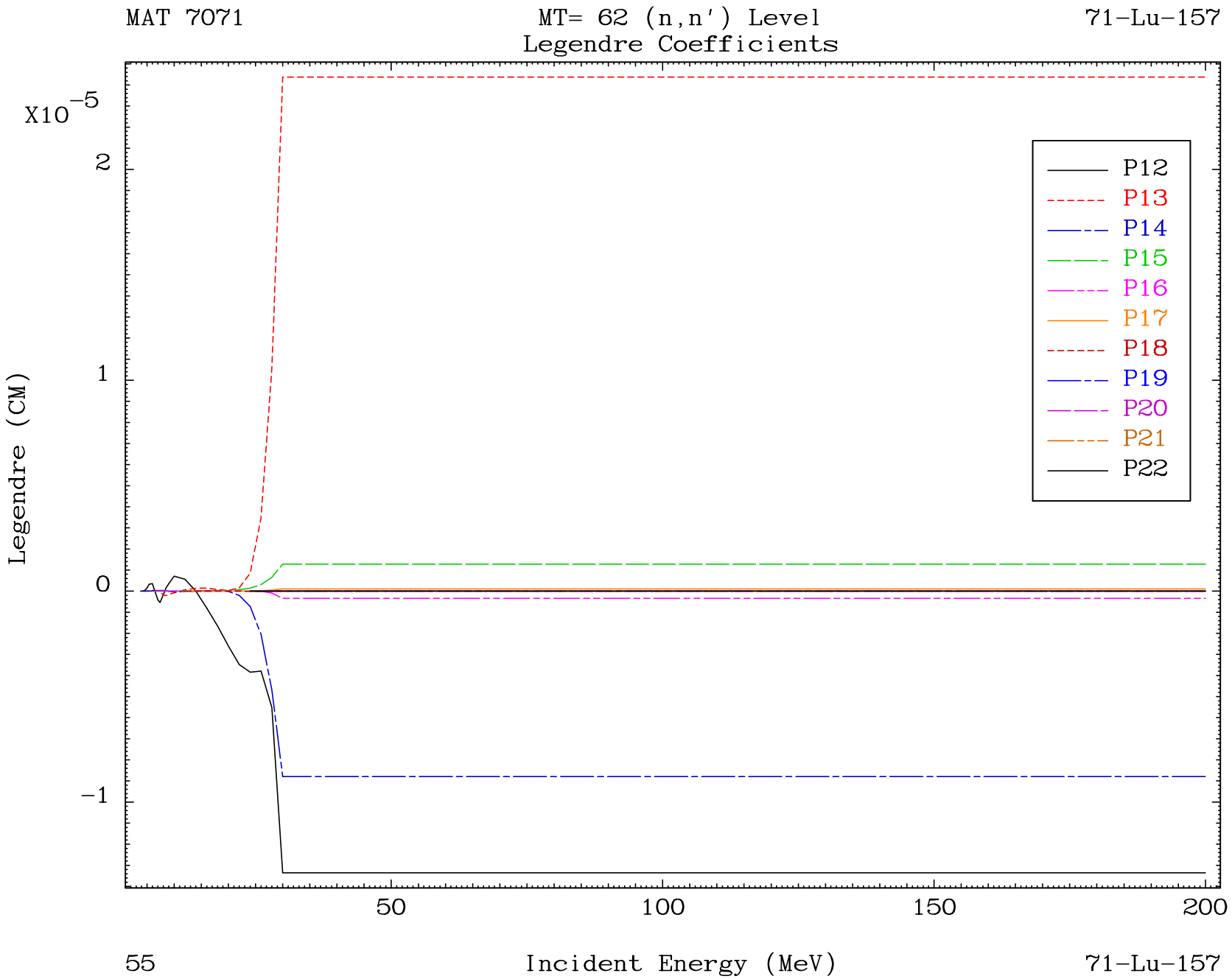

MAT 7071
MT= 59 (n,n') Level
Legendre Coefficients
71-Lu-157
X10-7
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
50
Incident Energy (MeV)
71-Lu-157

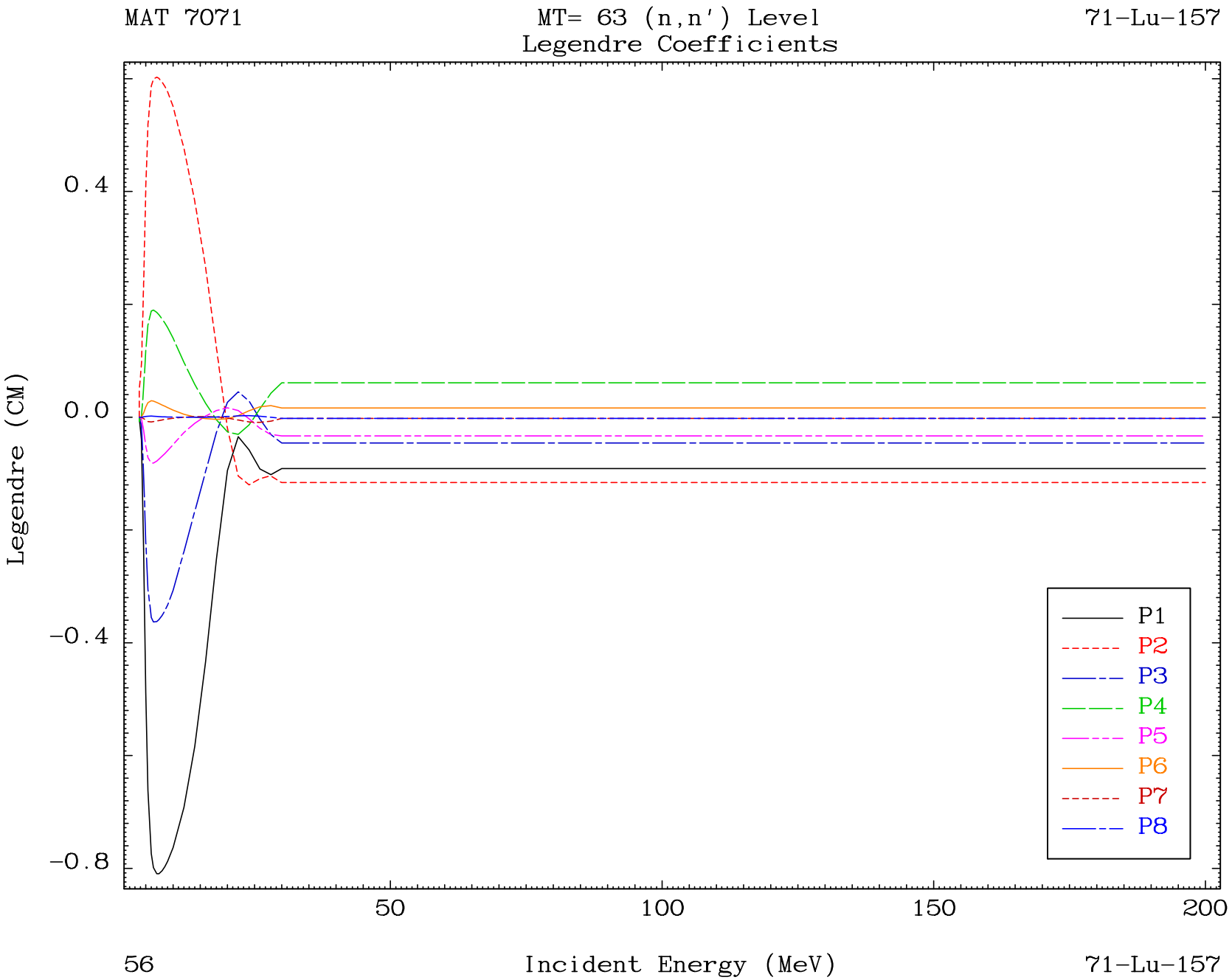

MAT 7071
MT= 60 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.2
0.0
-0.2
-0.4
-0.6
50
100
150
200
Incident Energy (MeV)
51
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8

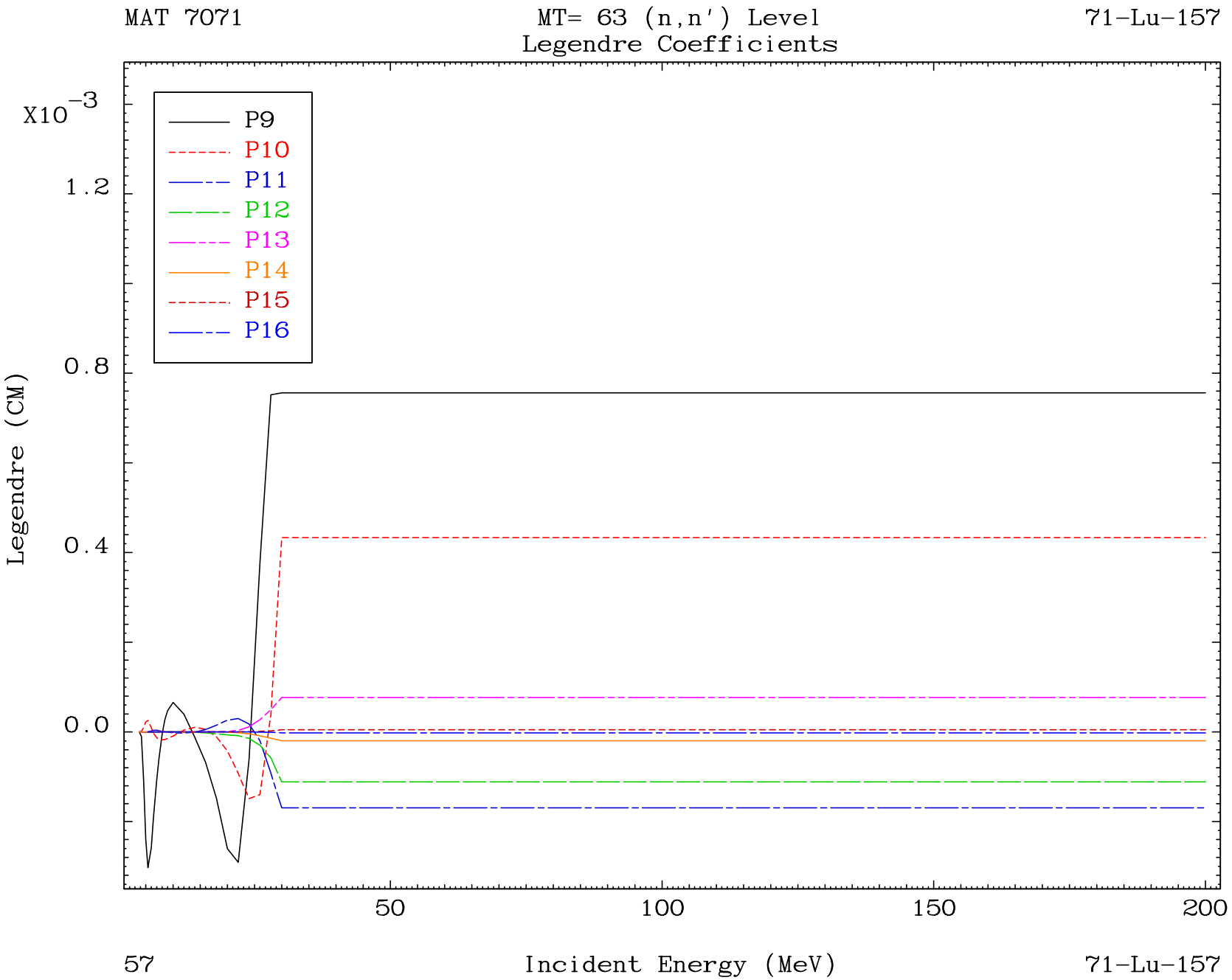

MAT 7071
MT= 60 (n,n') Level
Legendre Coefficients
71-Lu-157
0.001
0.000
-0.001
-0.002
Legendre (CM)
50
100
150
200
52
Incident Energy (MeV)
71-Lu-157
P9
P10
P11
P12
P13
P14
P15
P16

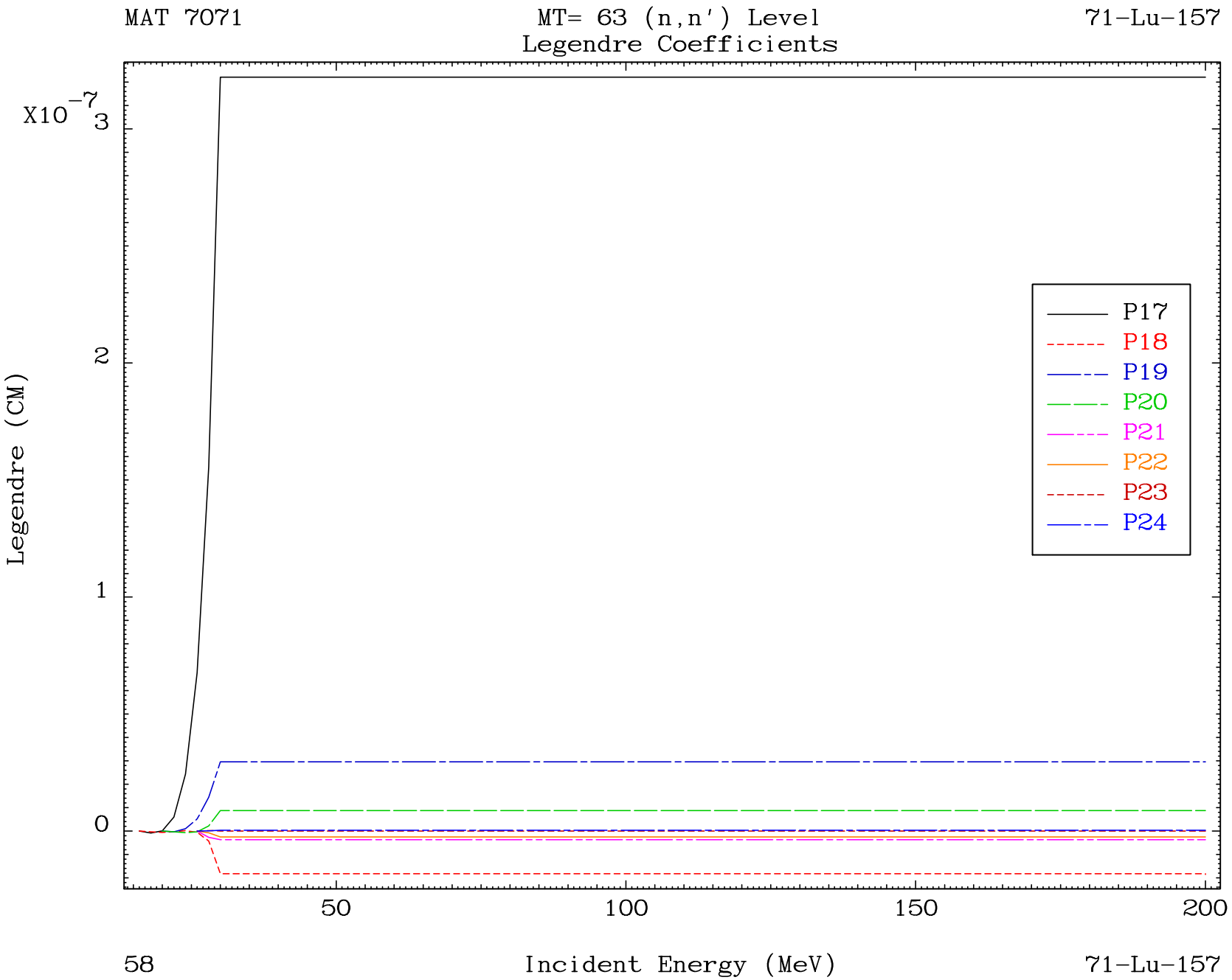

MAT 7071
MT= 60 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
8
6
4
2
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
53
Incident Energy (MeV)
71-Lu-157

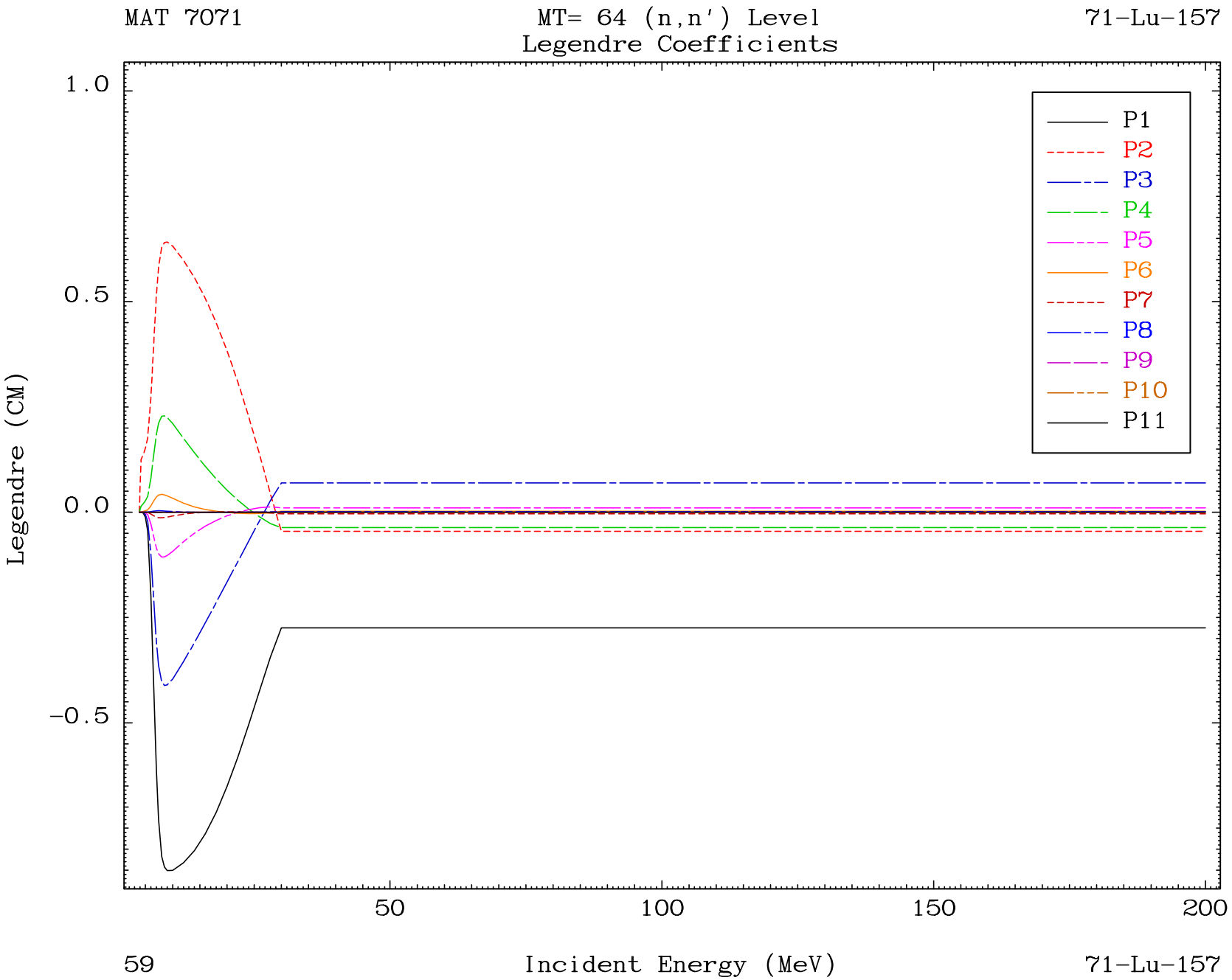

MAT 7071
MT= 62 (n,n') Level
Legendre Coefficients
71-Lu-157
0.4
0.0
-0.4
-0.8
Legendre (CM)
50
100
150
200
54
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

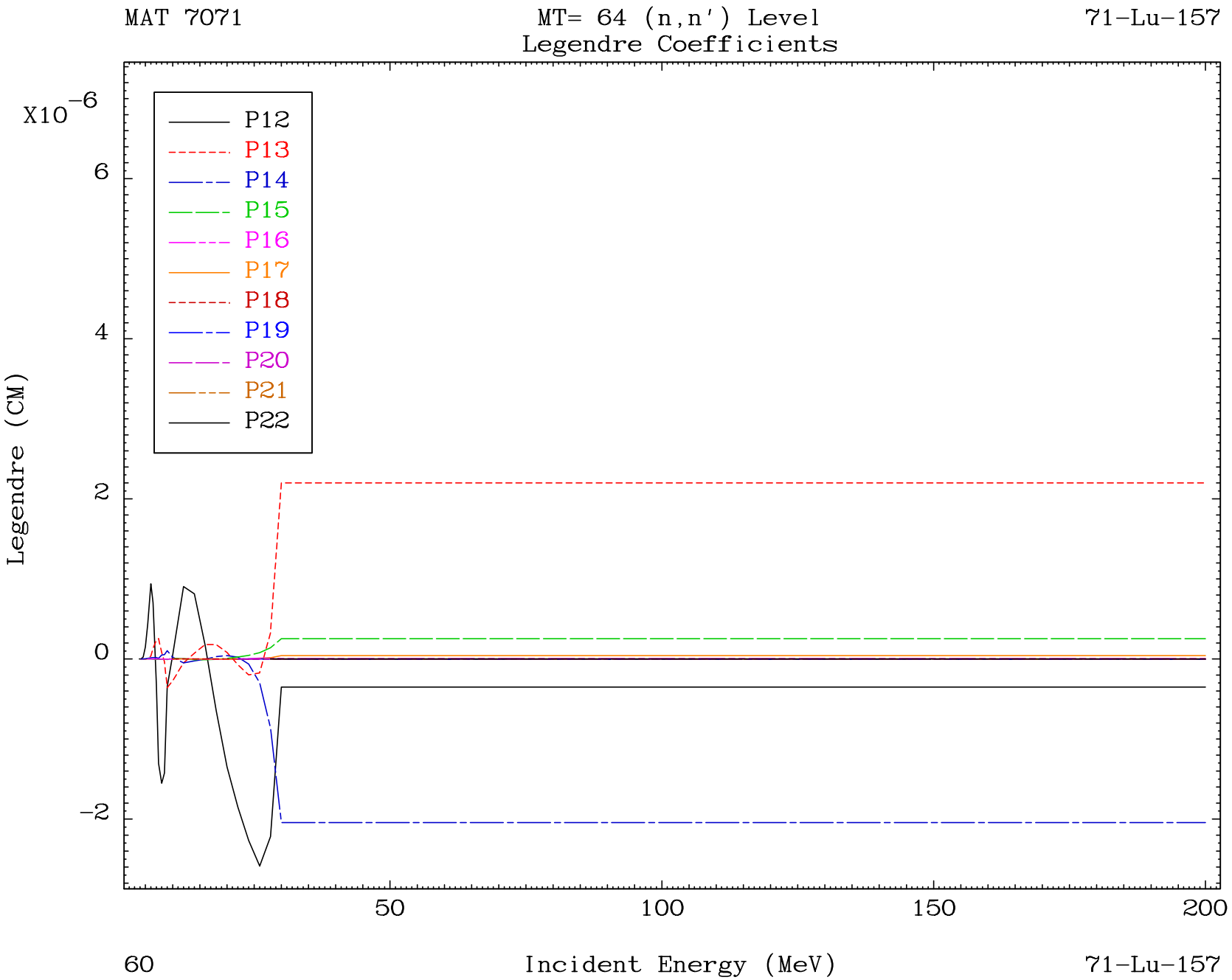

MAT 7071
MT= 62 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-5
2
1
0
-1
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
55
Incident Energy (MeV)
71-Lu-157

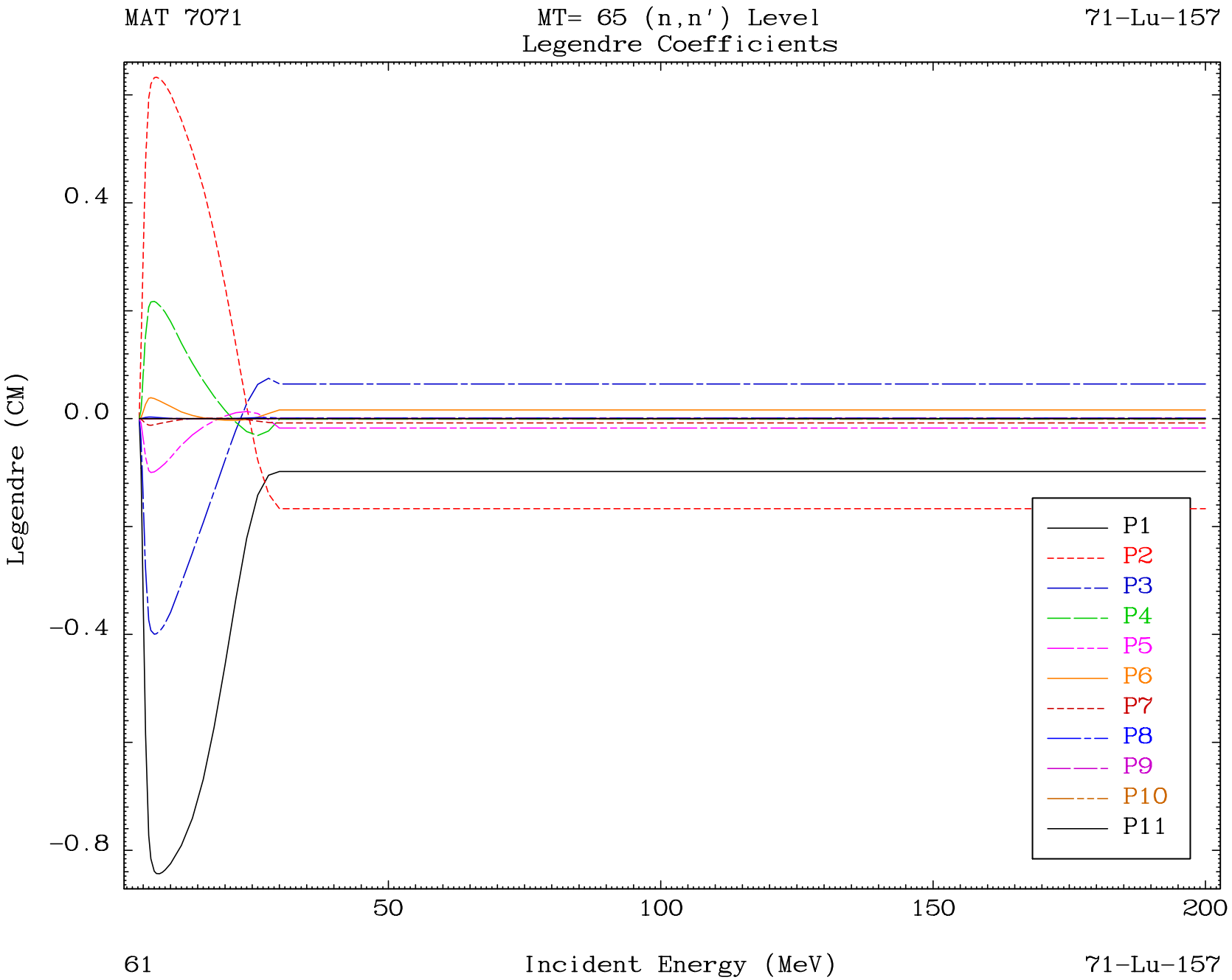

MAT 7071
MT= 63 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.0
-0.4
-0.8
50
100
150
200
56
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8

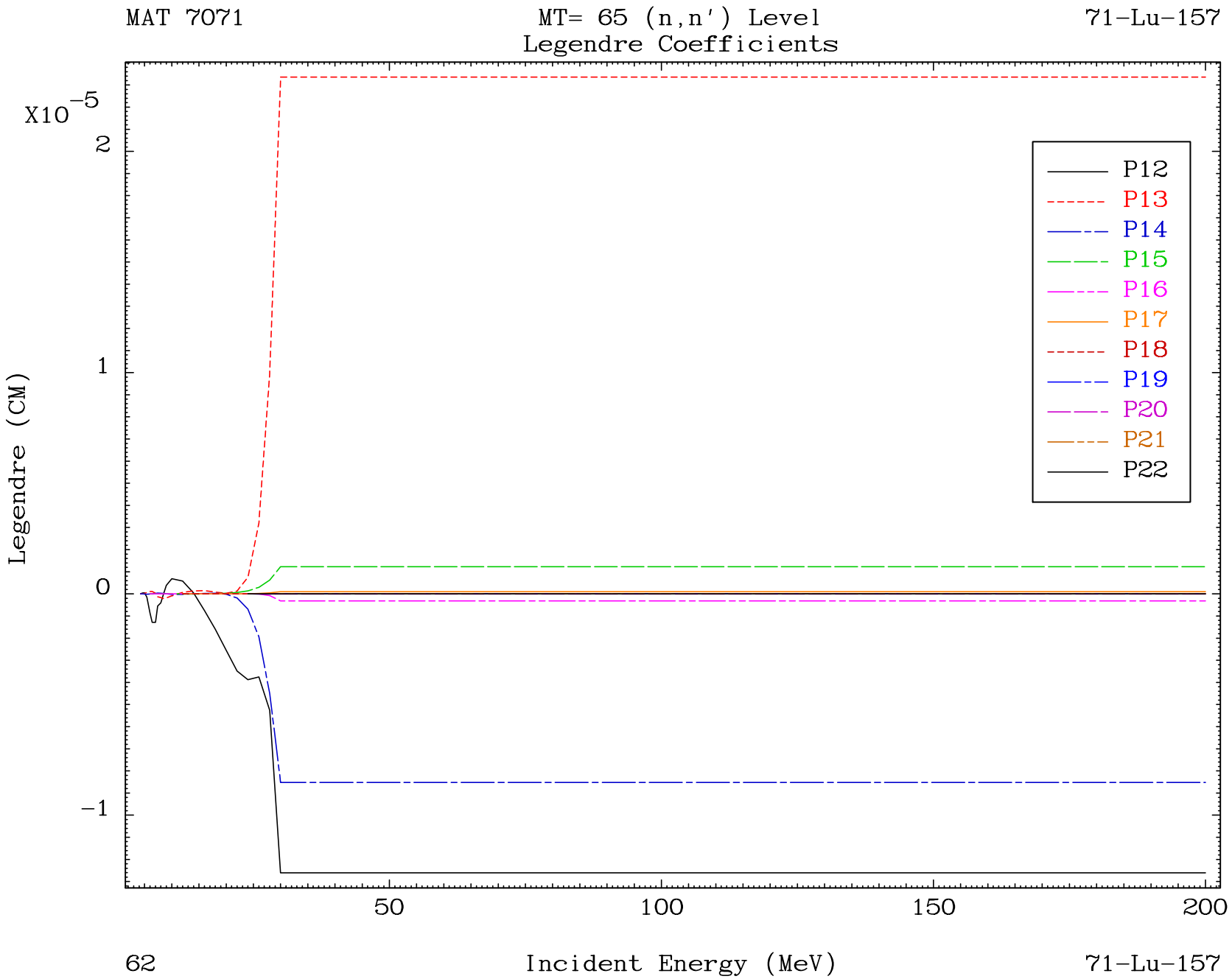

MAT 7071
MT= 63 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-3
1.2
0.8
0.4
0.0
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
50
100
150
200
57
Incident Energy (MeV)
71-Lu-157

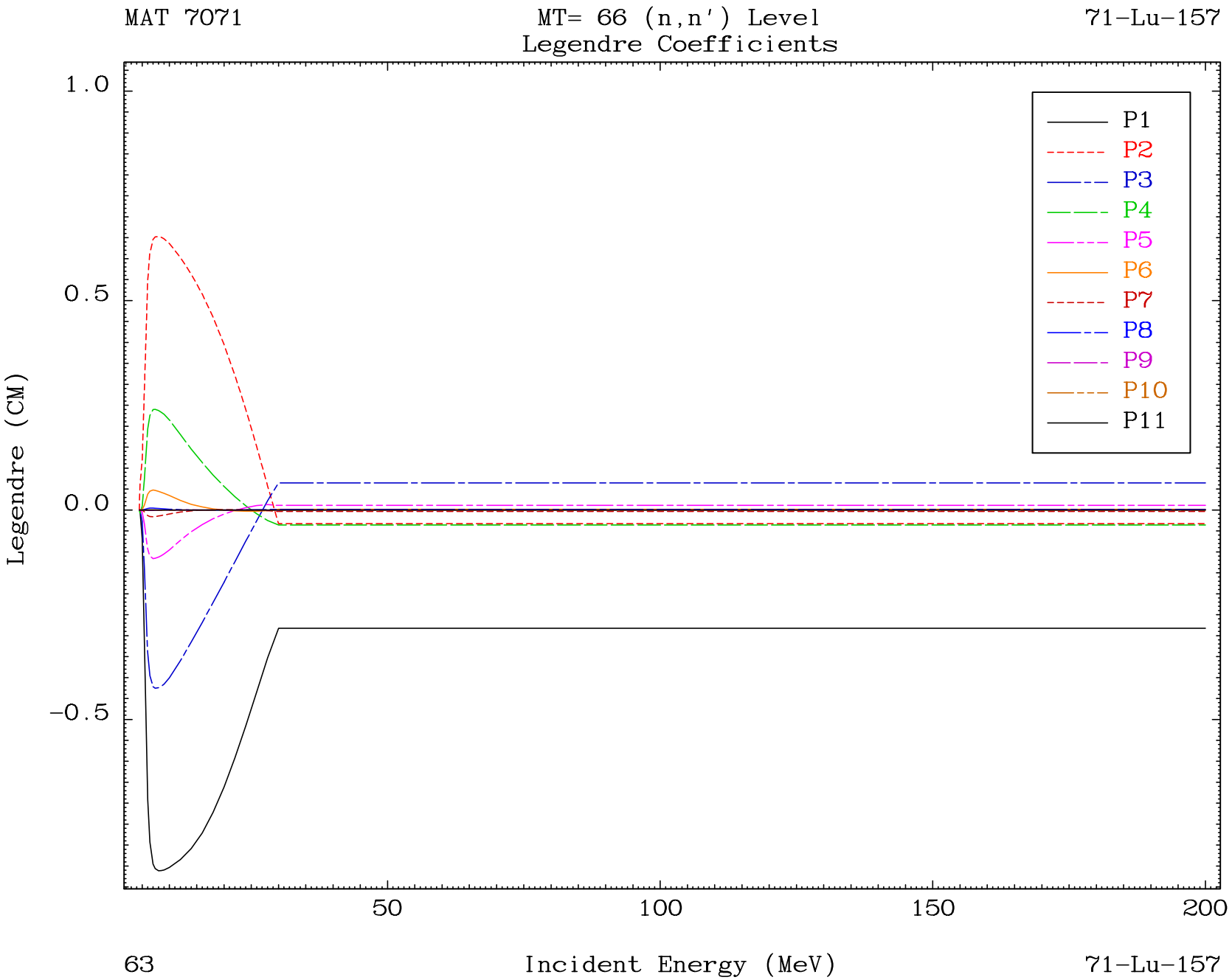

MAT 7071
MT= 63 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-7
3
2
1
0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
58
Incident Energy (MeV)
71-Lu-157

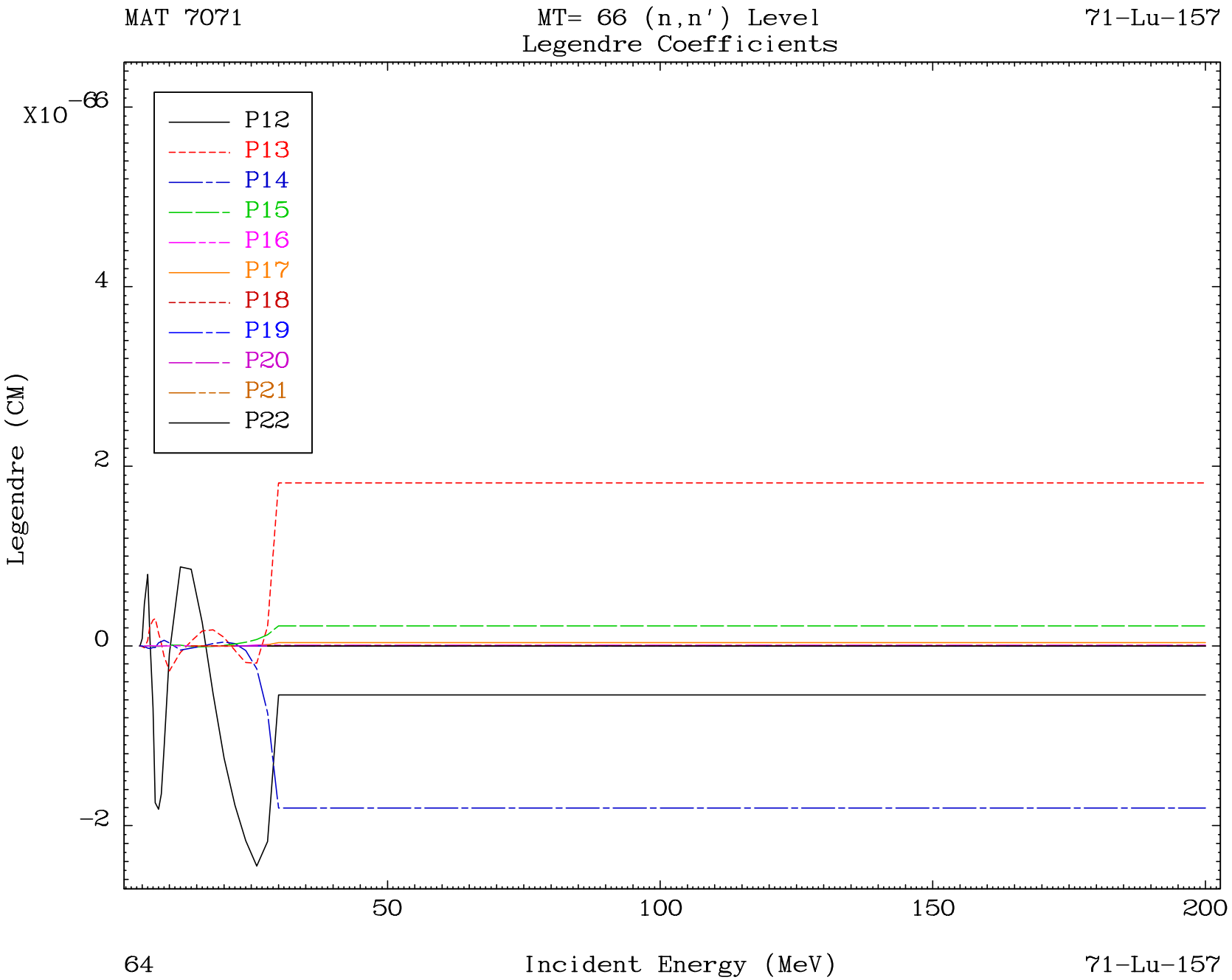

MAT 7071
MT= 64 (n,n') Level
Legendre Coefficients
71-Lu-157
1.0
0.5
0.0
-0.5
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
50
100
150
200
59
Incident Energy (MeV)
71-Lu-157

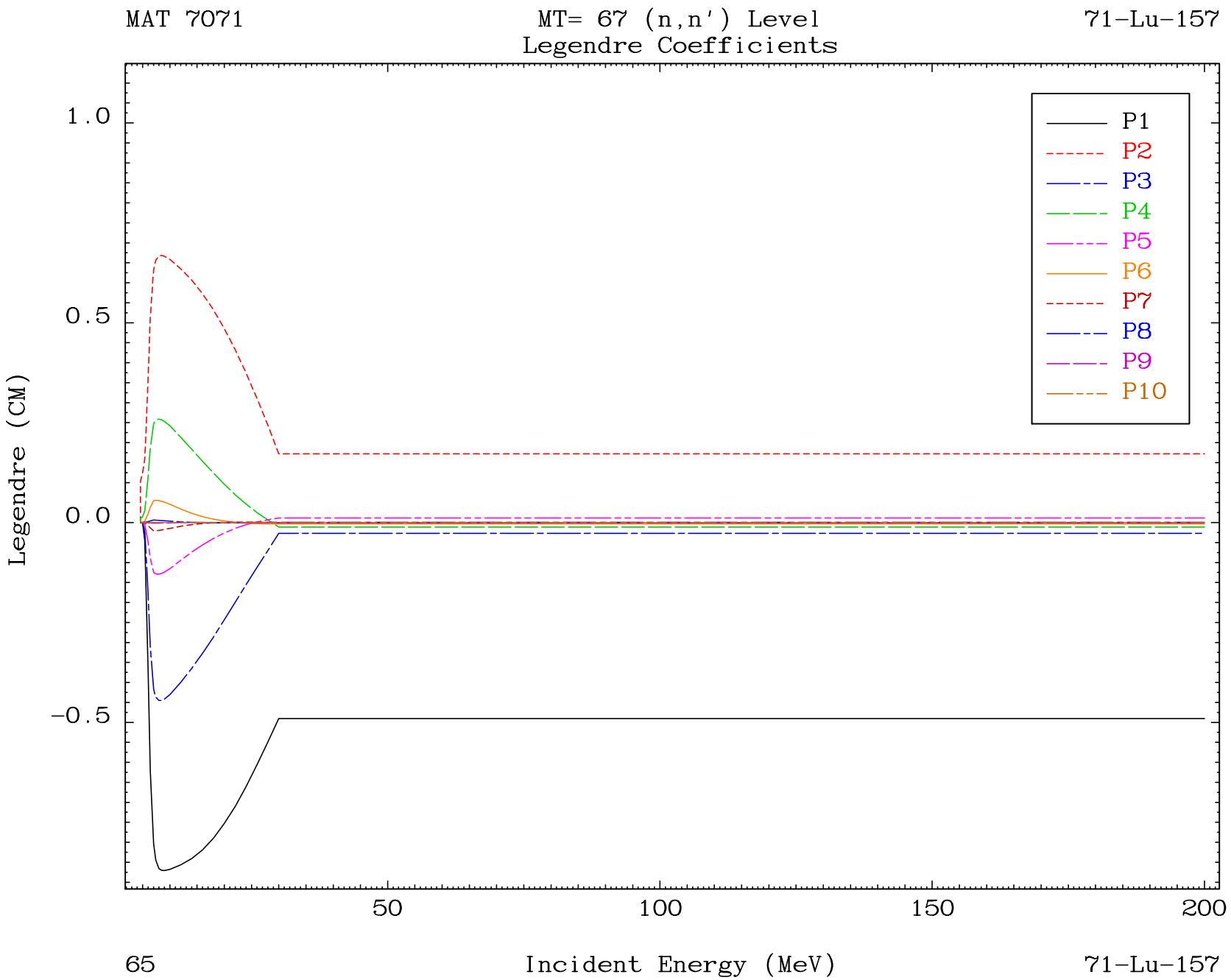

MAT 7071
MT= 64 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-6
6
4
2
0
-2
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
60
Incident Energy (MeV)
71-Lu-157

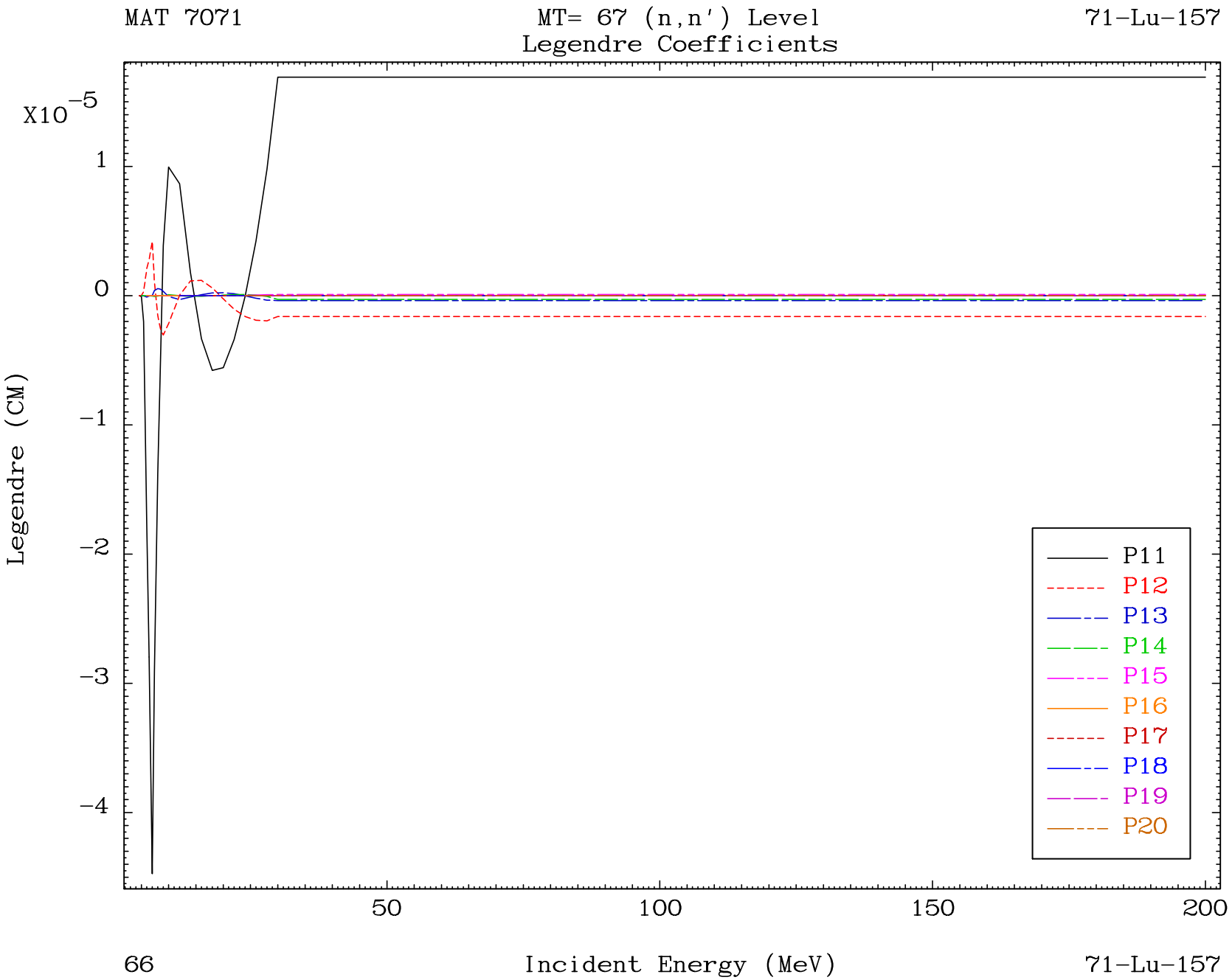

MAT 7071
MT= 65 (n,n') Level
Legendre Coefficients
71-Lu-157
0.4
0.0
−0.4
−0.8
Legendre (CM)
50
100
150
200
61
Incident Energy (MeV)
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

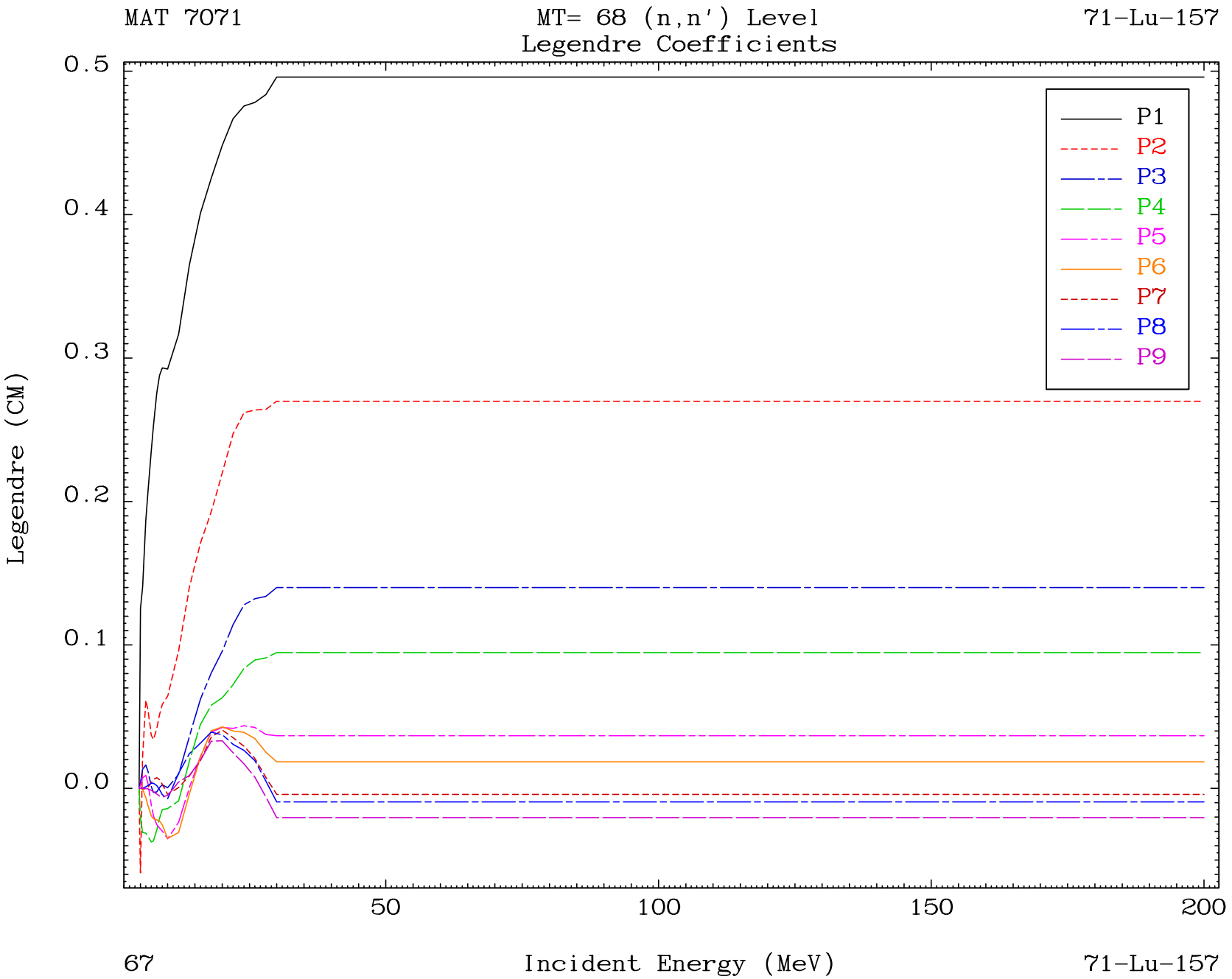

MAT 7071
MT= 65 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-5
2
1
0
-1
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
62
Incident Energy (MeV)
71-Lu-157

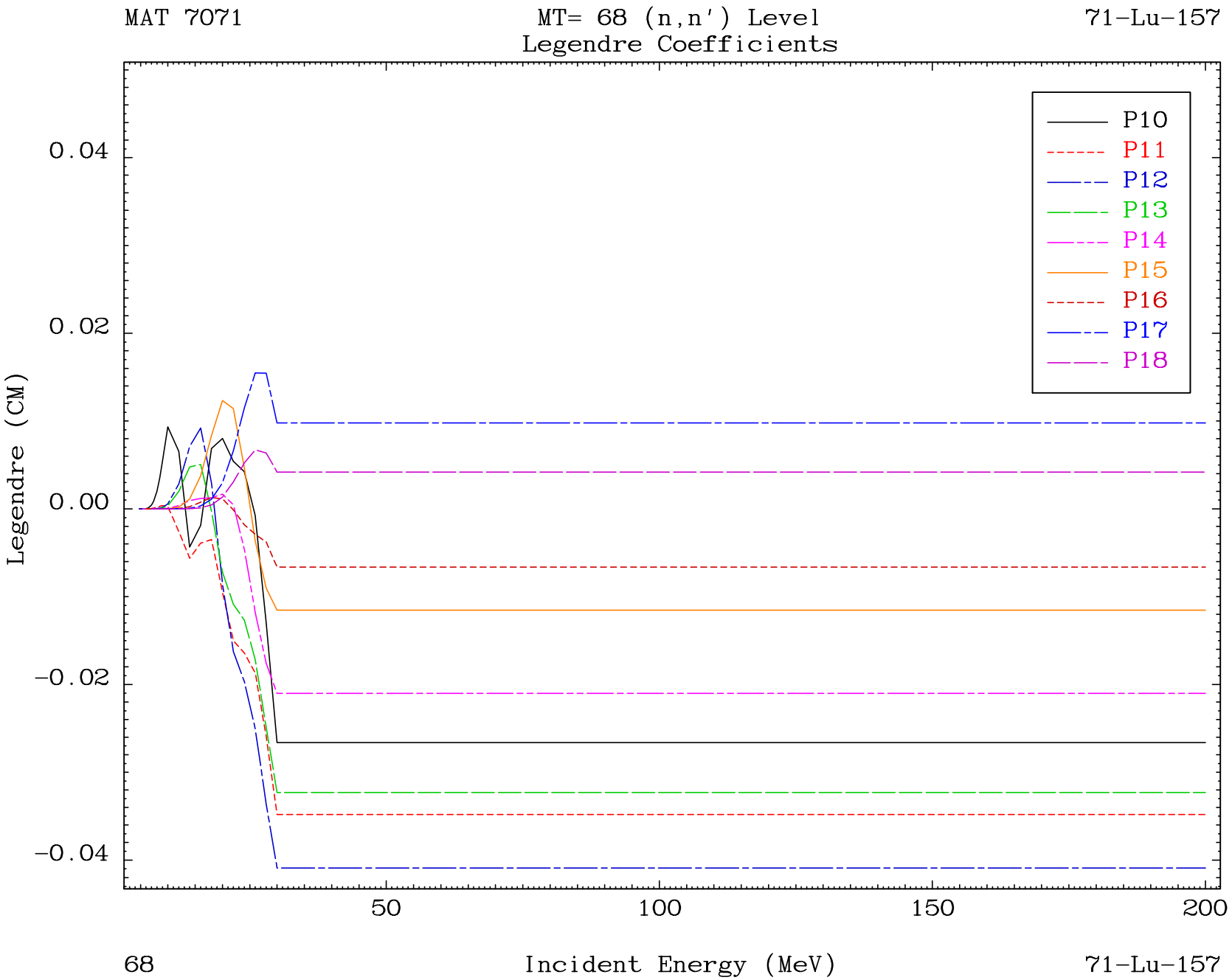

MAT 7071
MT= 66 (n,n') Level
Legendre Coefficients
71-Lu-157
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11

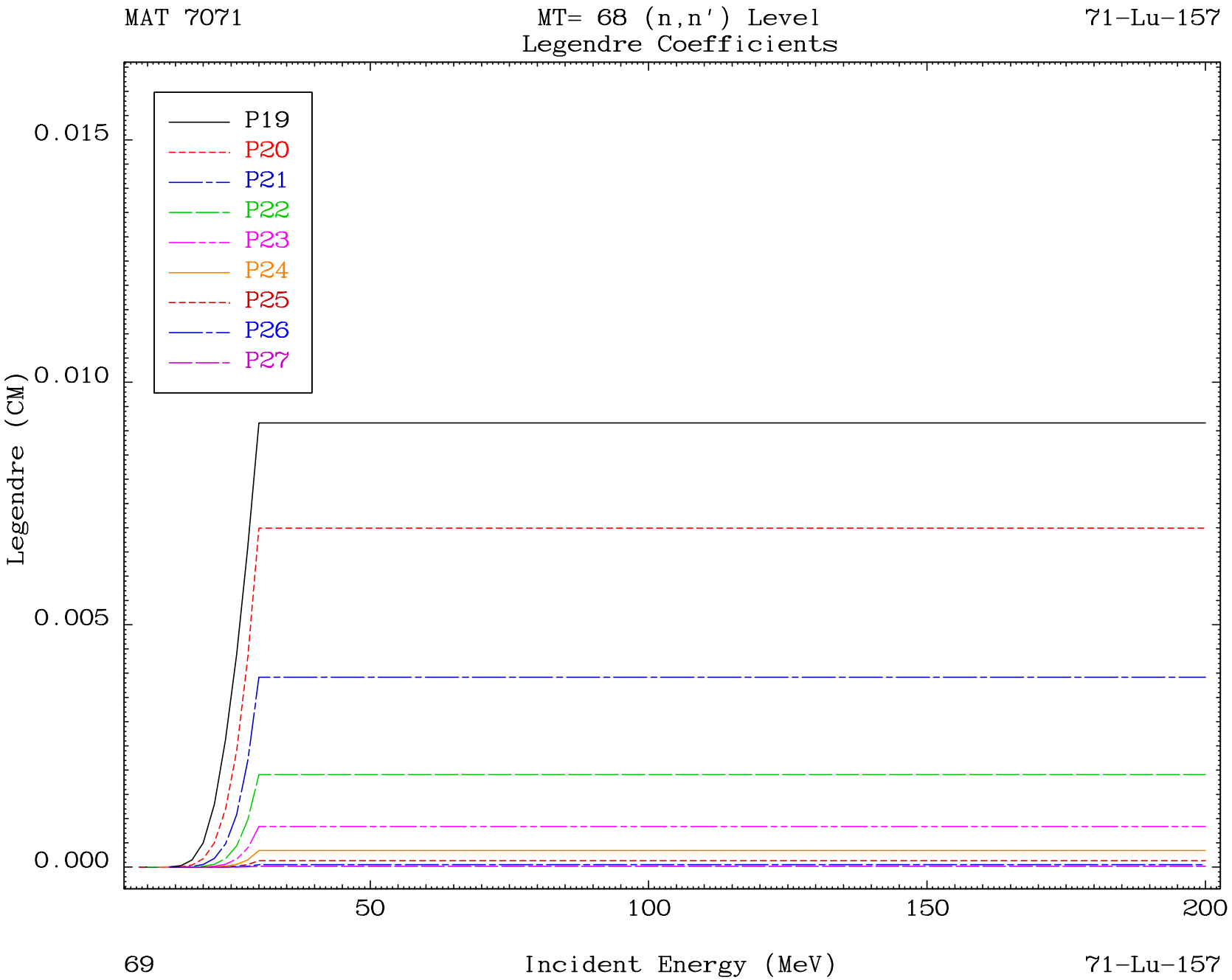

MAT 7071
MT= 66 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-66
4
2
0
-2
Legendre (CM)
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
50
100
150
200
64
Incident Energy (MeV)
71-Lu-157

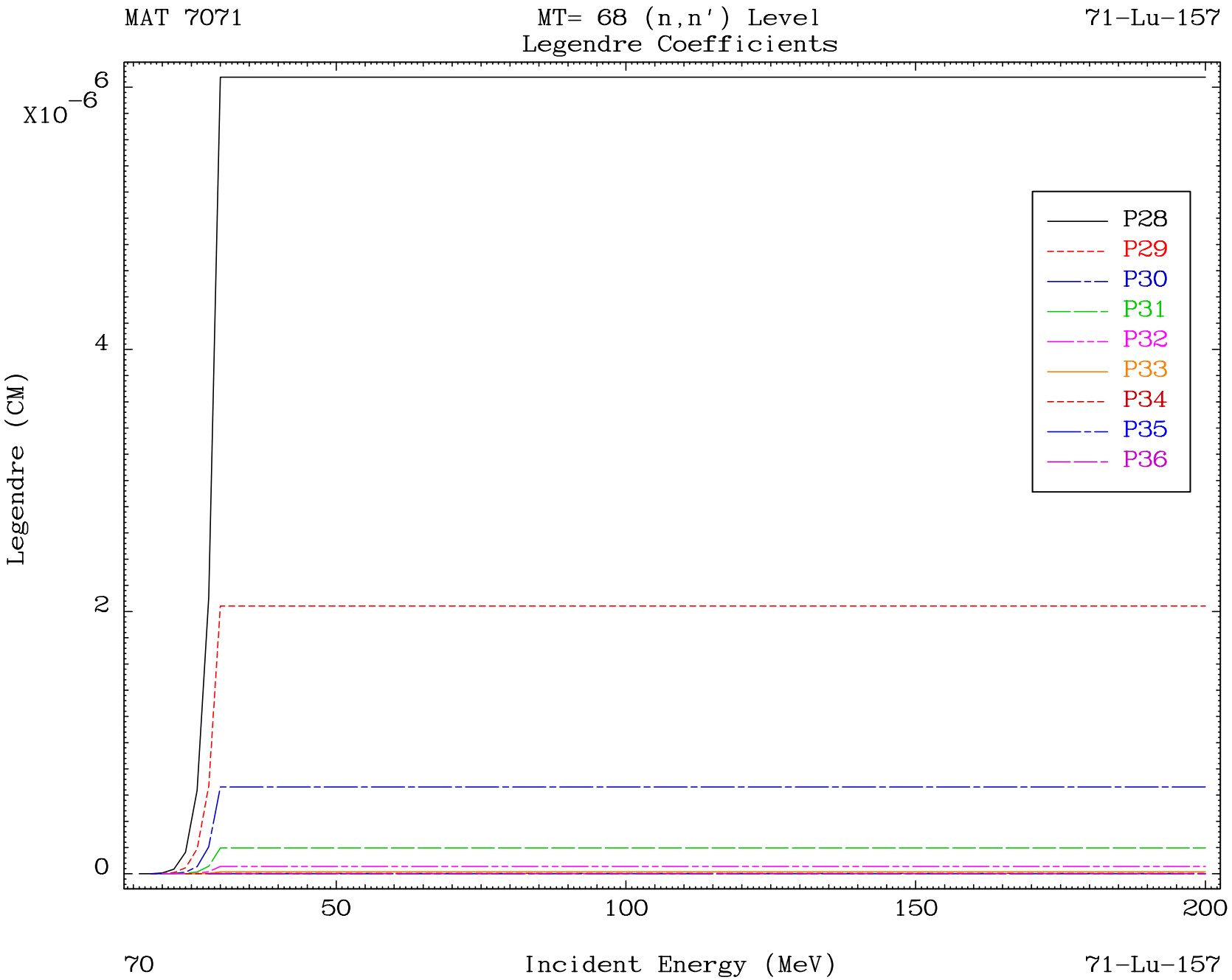

MAT 7071
MT= 67 (n,n') Level
Legendre Coefficients
71-Lu-157
1.0
0.5
0.0
-0.5
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
65
Incident Energy (MeV)
71-Lu-157

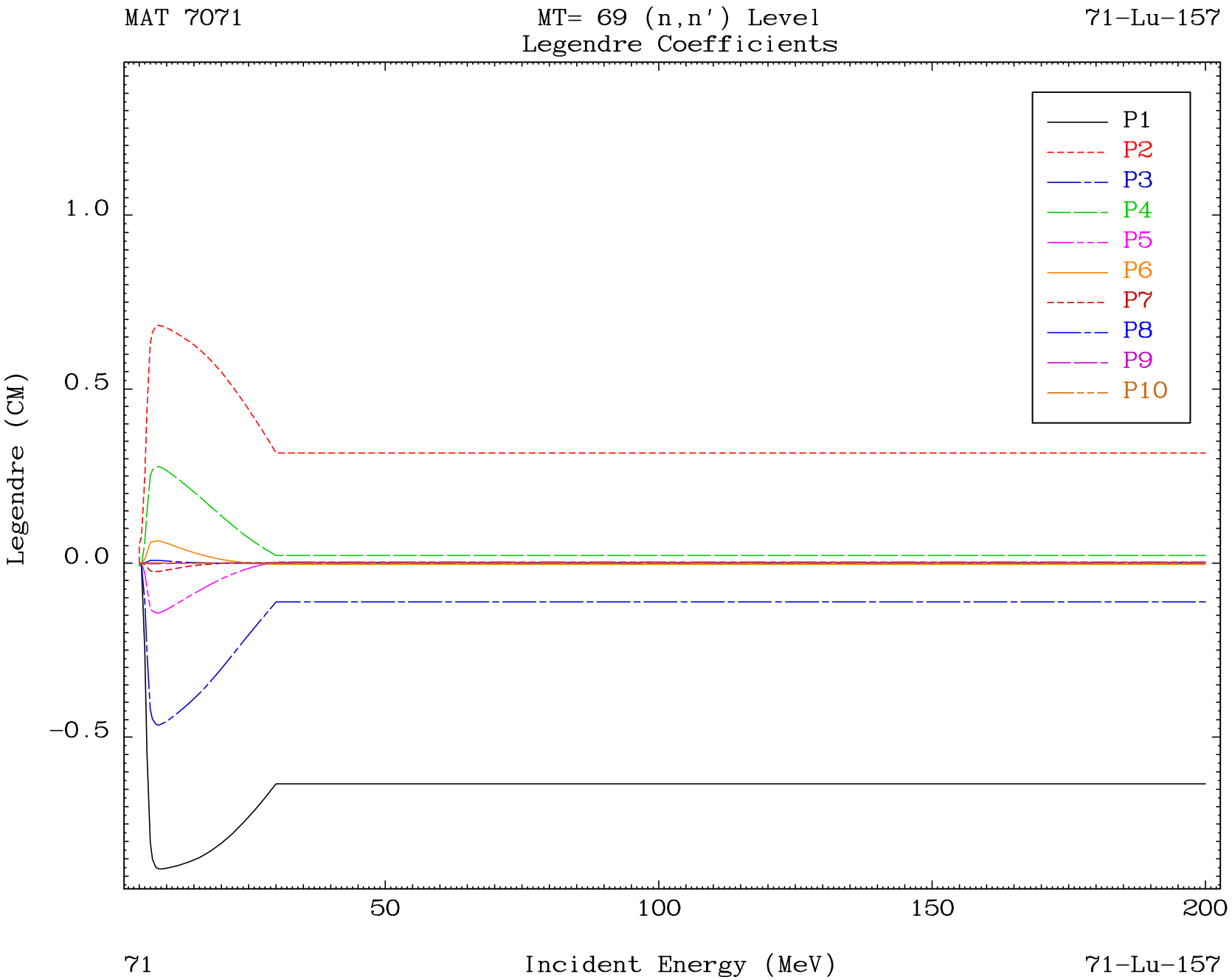

MAT 7071
MT= 67 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-5
1
0
-1
-2
-3
-4
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

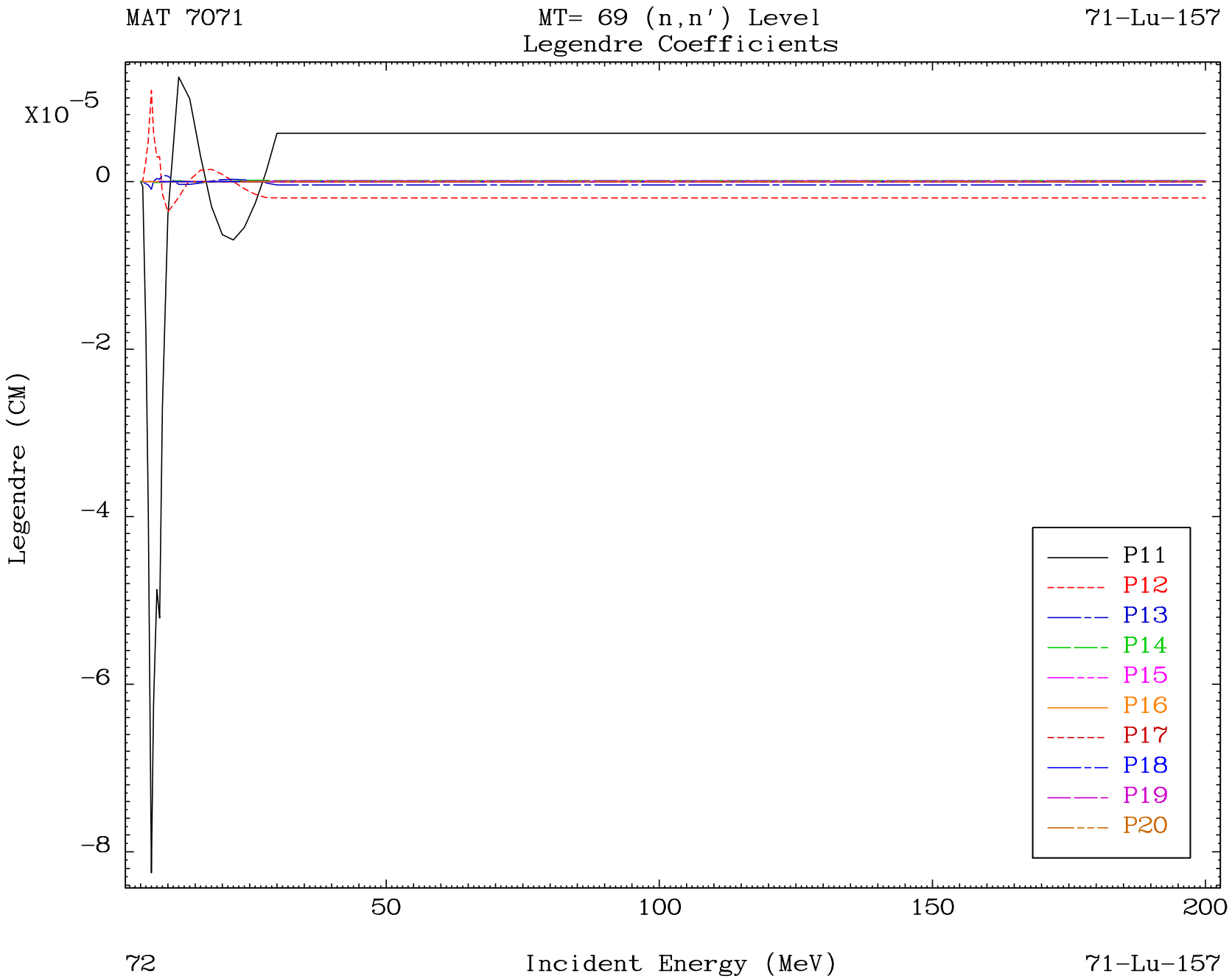

MAT 7071
MT= 68 (n,n') Level
Legendre Coefficients
71-Lu-157
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
67
Incident Energy (MeV)
71-Lu-157

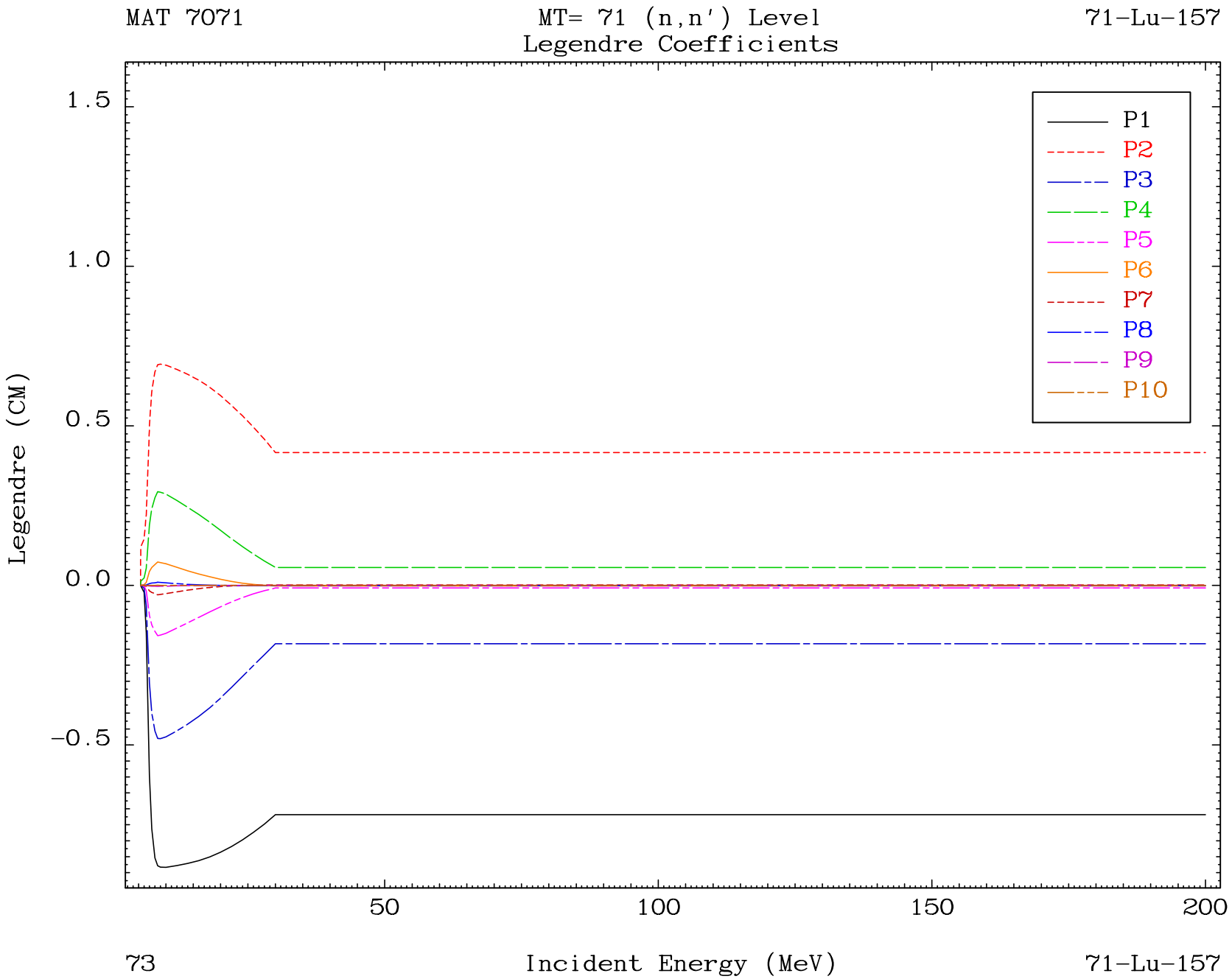

MAT 7071
MT= 68 (n,n') Level
Legendre Coefficients
71-Lu-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
71-Lu-157

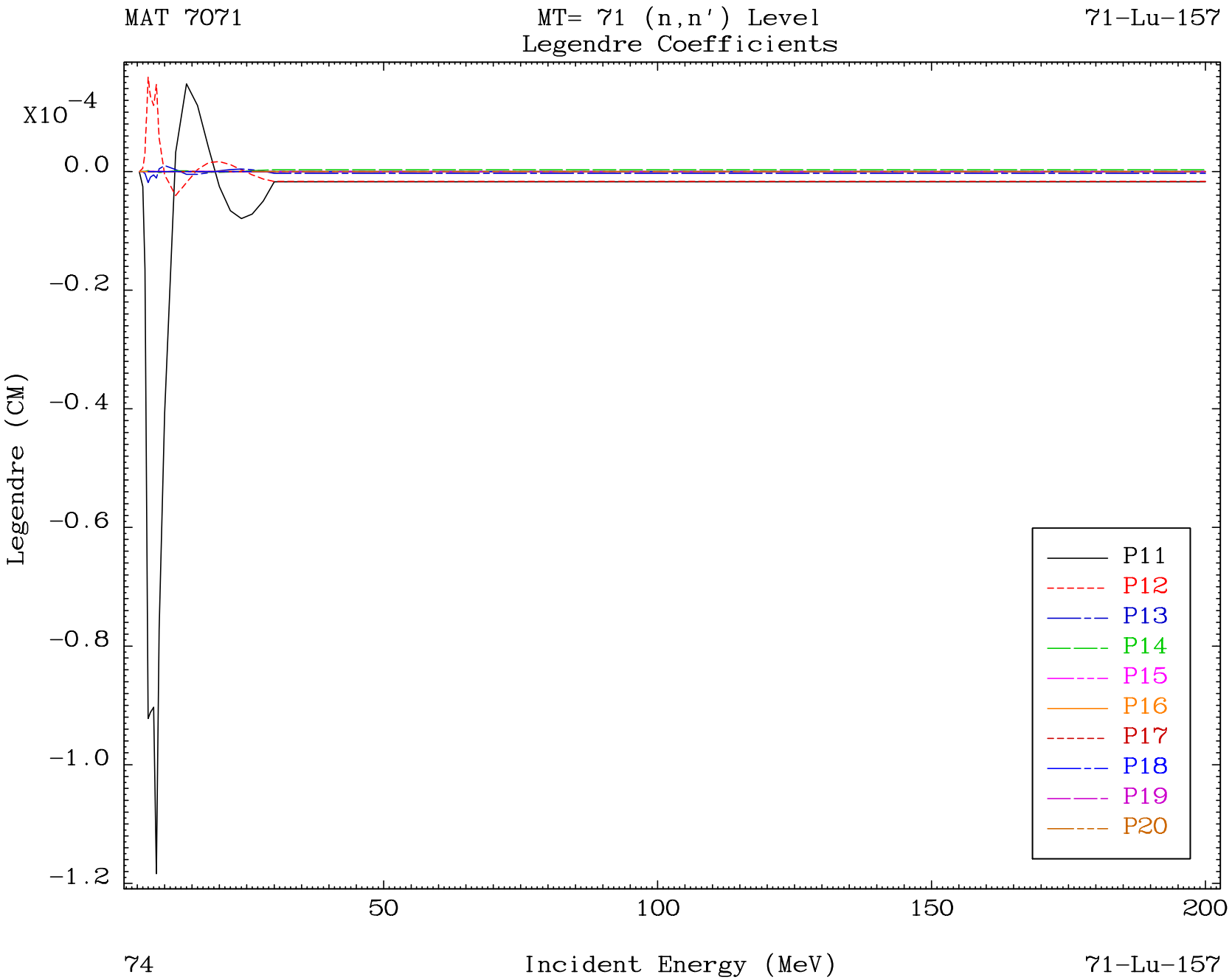

MAT 7071
MT= 68 (n,n') Level
Legendre Coefficients
71-Lu-157
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
71-Lu-157

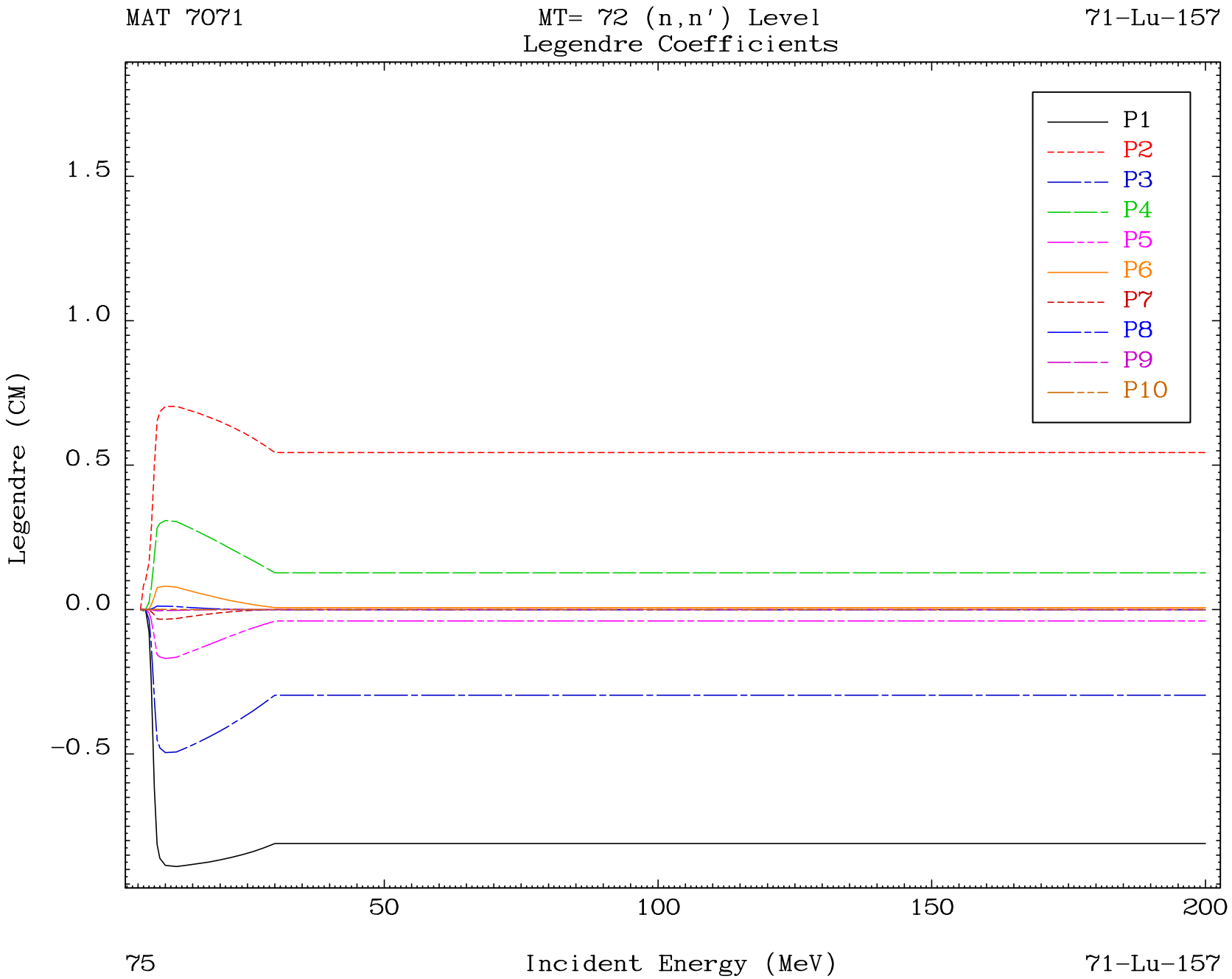

MAT 7071
MT= 68 (n,n') Level
Legendre Coefficients
71-Lu-157
X10 -6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
70
Incident Energy (MeV)
71-Lu-157

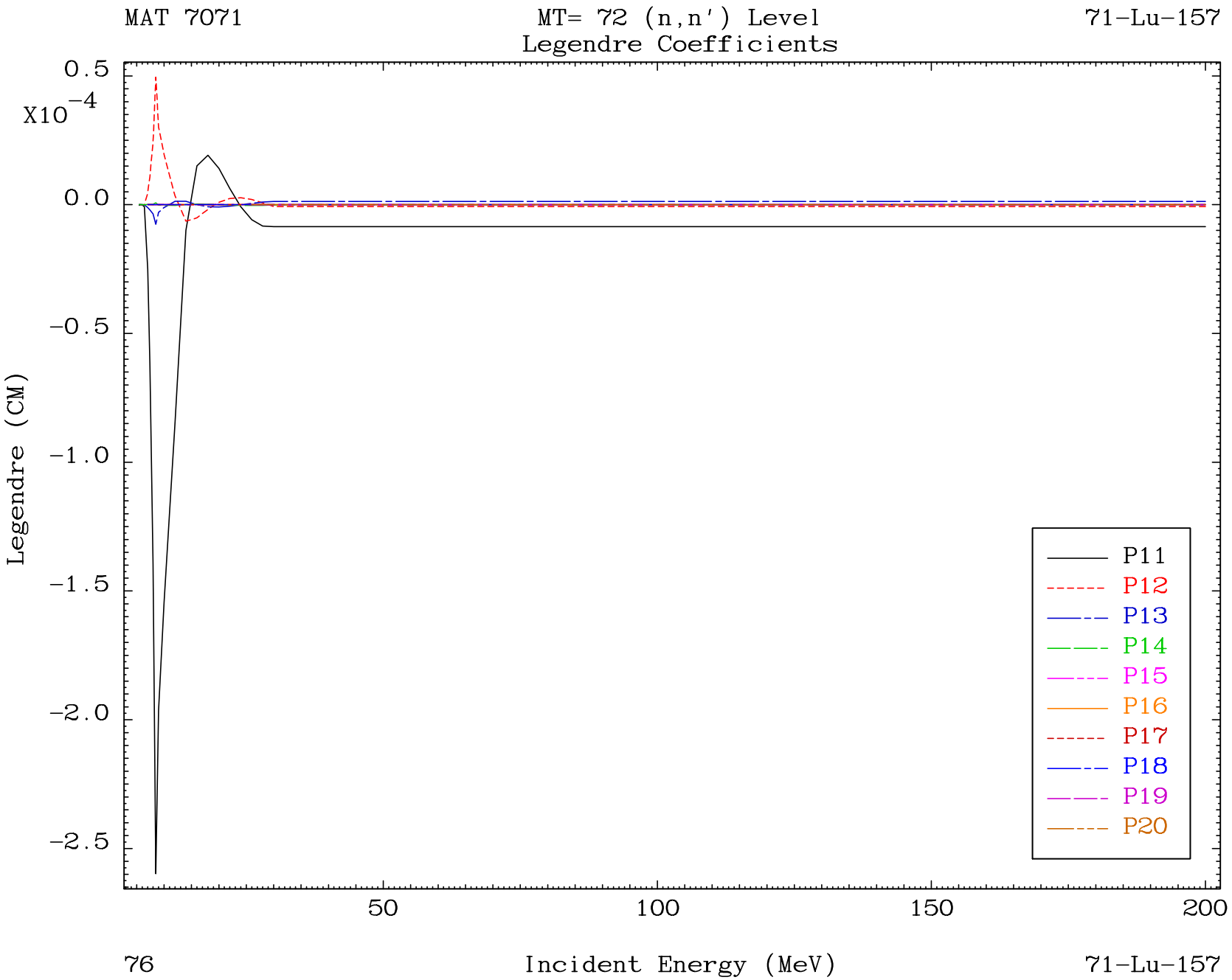

MAT 7071
MT= 69 (n,n') Level
Legendre Coefficients
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
71-Lu-157

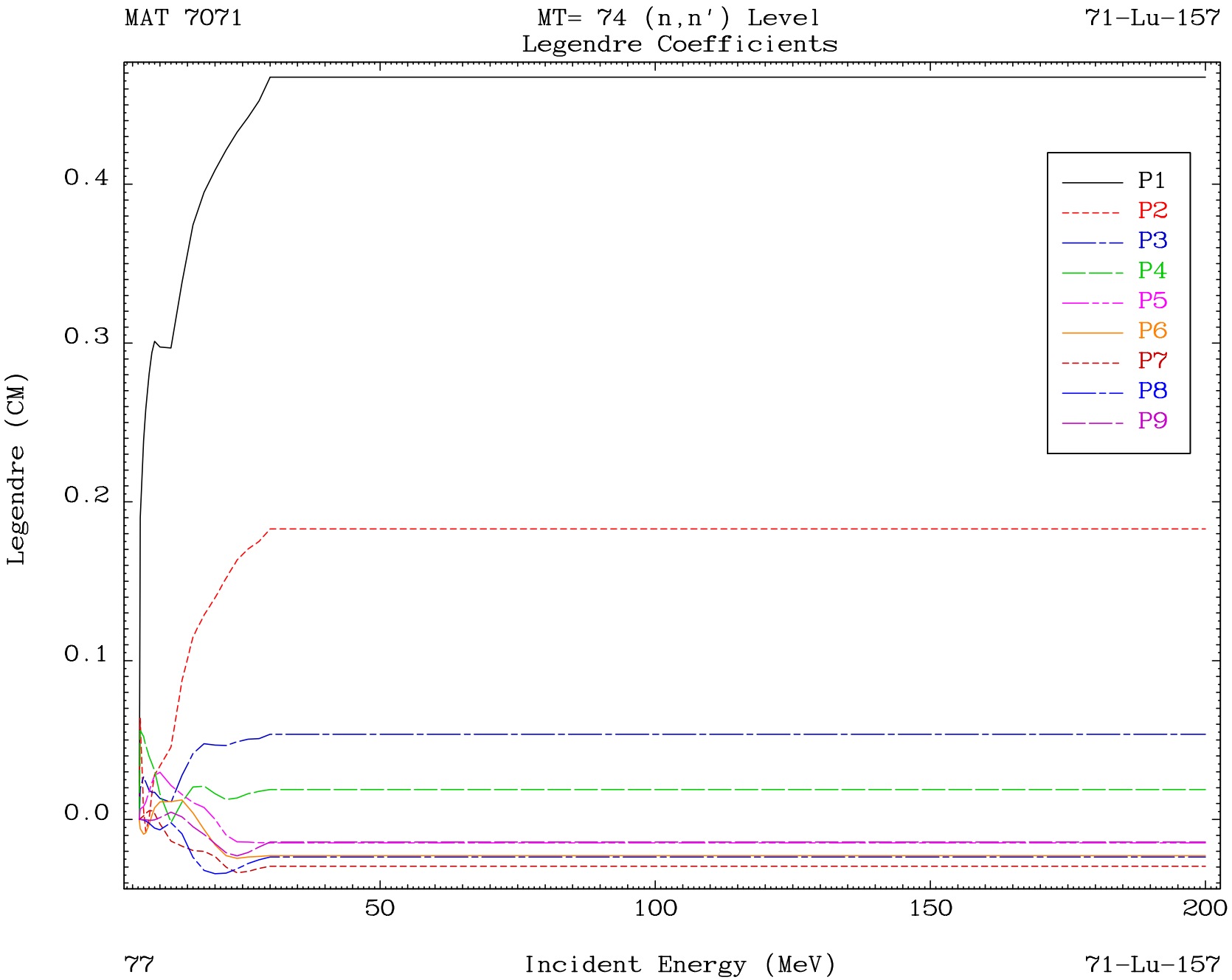

MAT 7071
MT= 69 (n,n') Level
Legendre Coefficients
71-Lu-157
X10−5
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

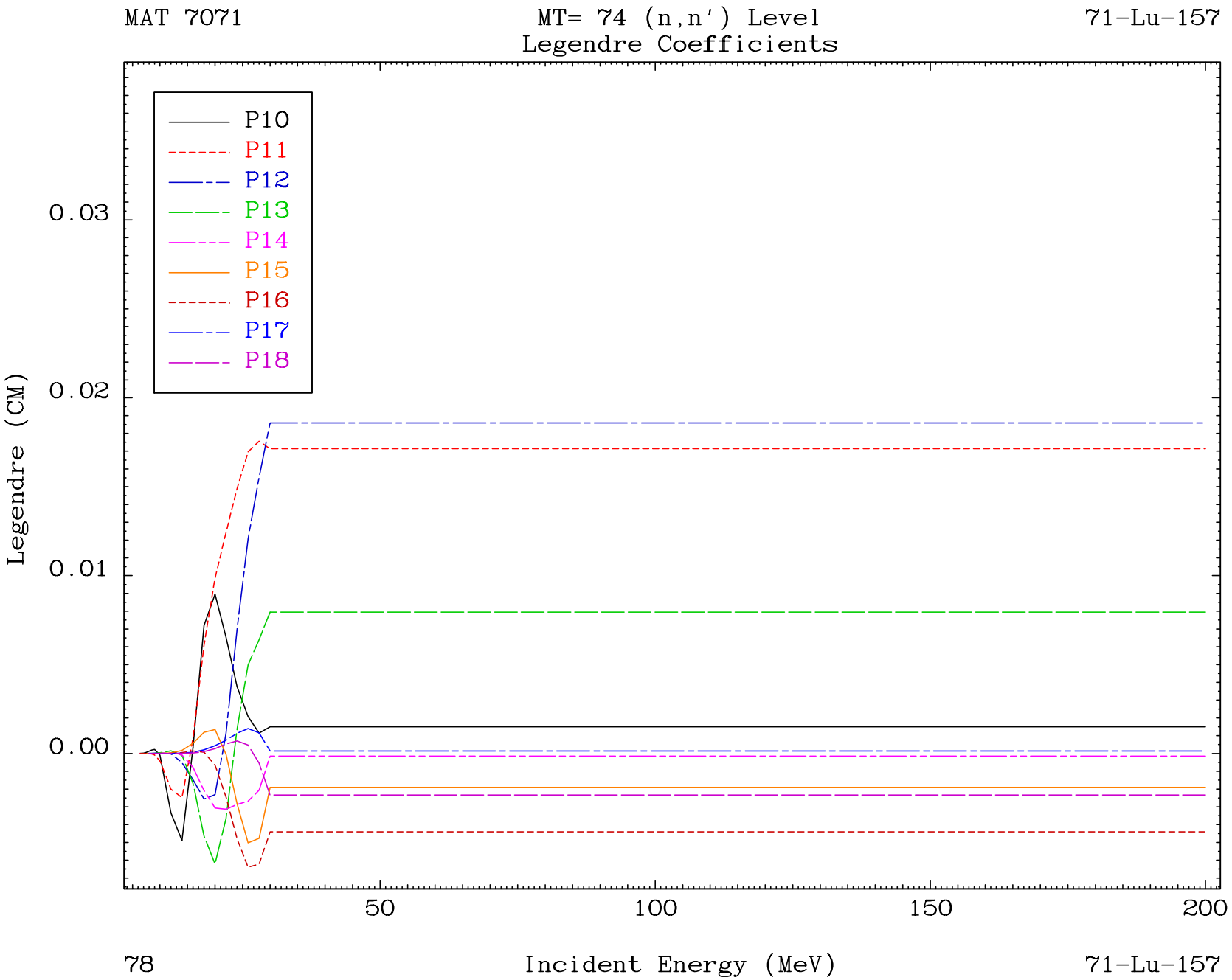

MAT 7071
MT= 71 (n,n') Level
Legendre Coefficients
71-Lu-157
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
50
100
150
200
73
Incident Energy (MeV)
71-Lu-157

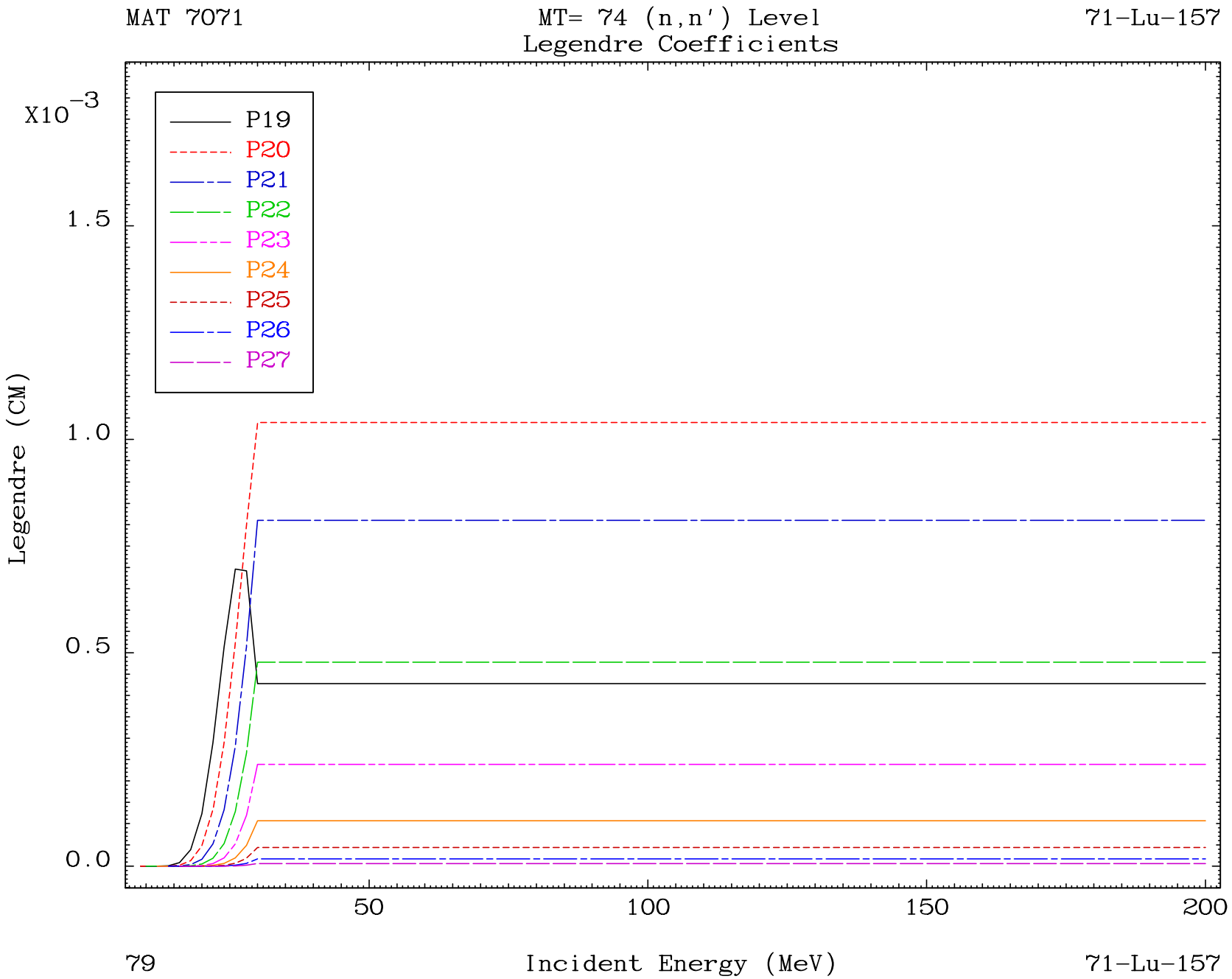

MAT 7071
MT= 71 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-4
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

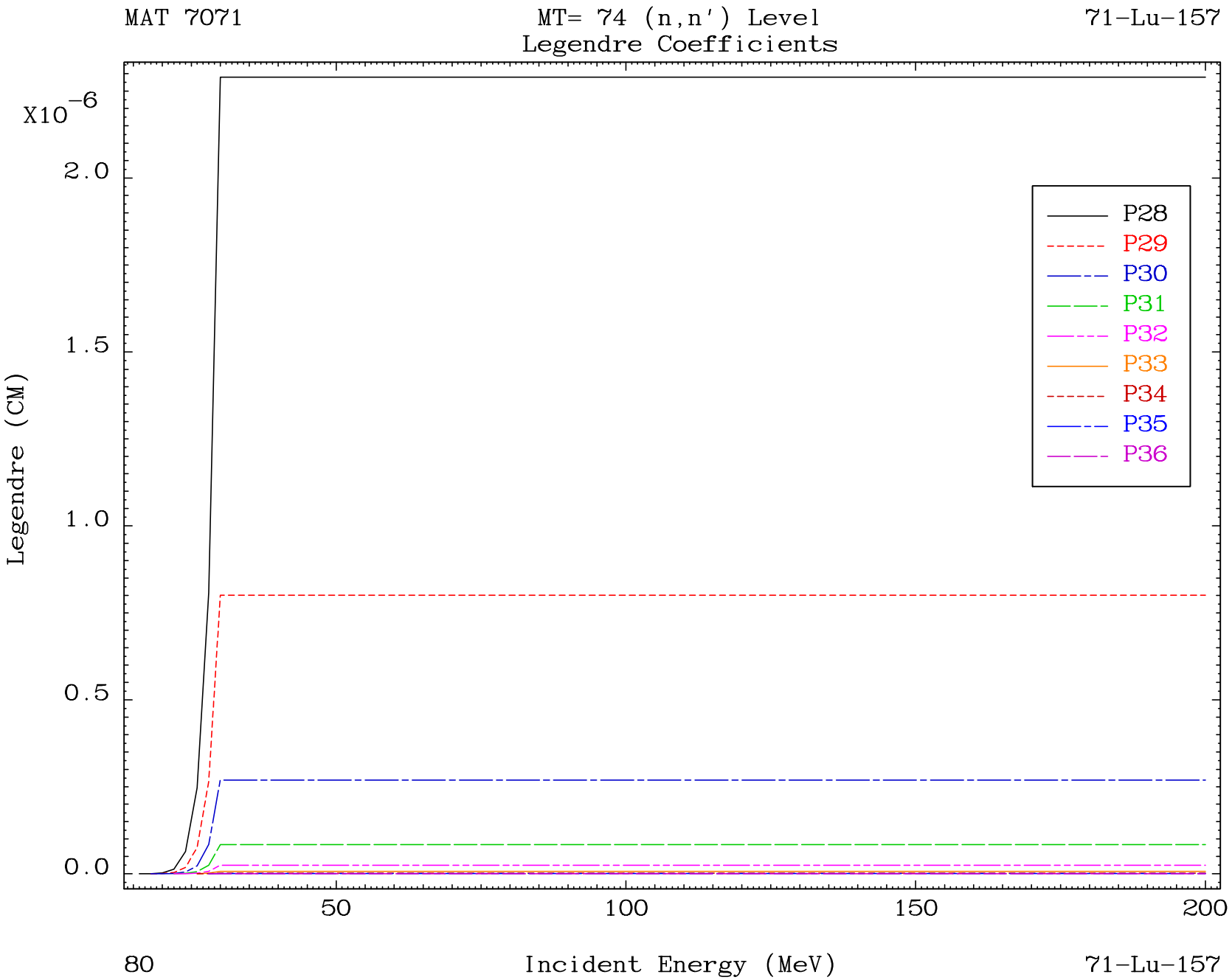

MAT 7071
MT= 72 (n,n') Level
Legendre Coefficients
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
71-Lu-157

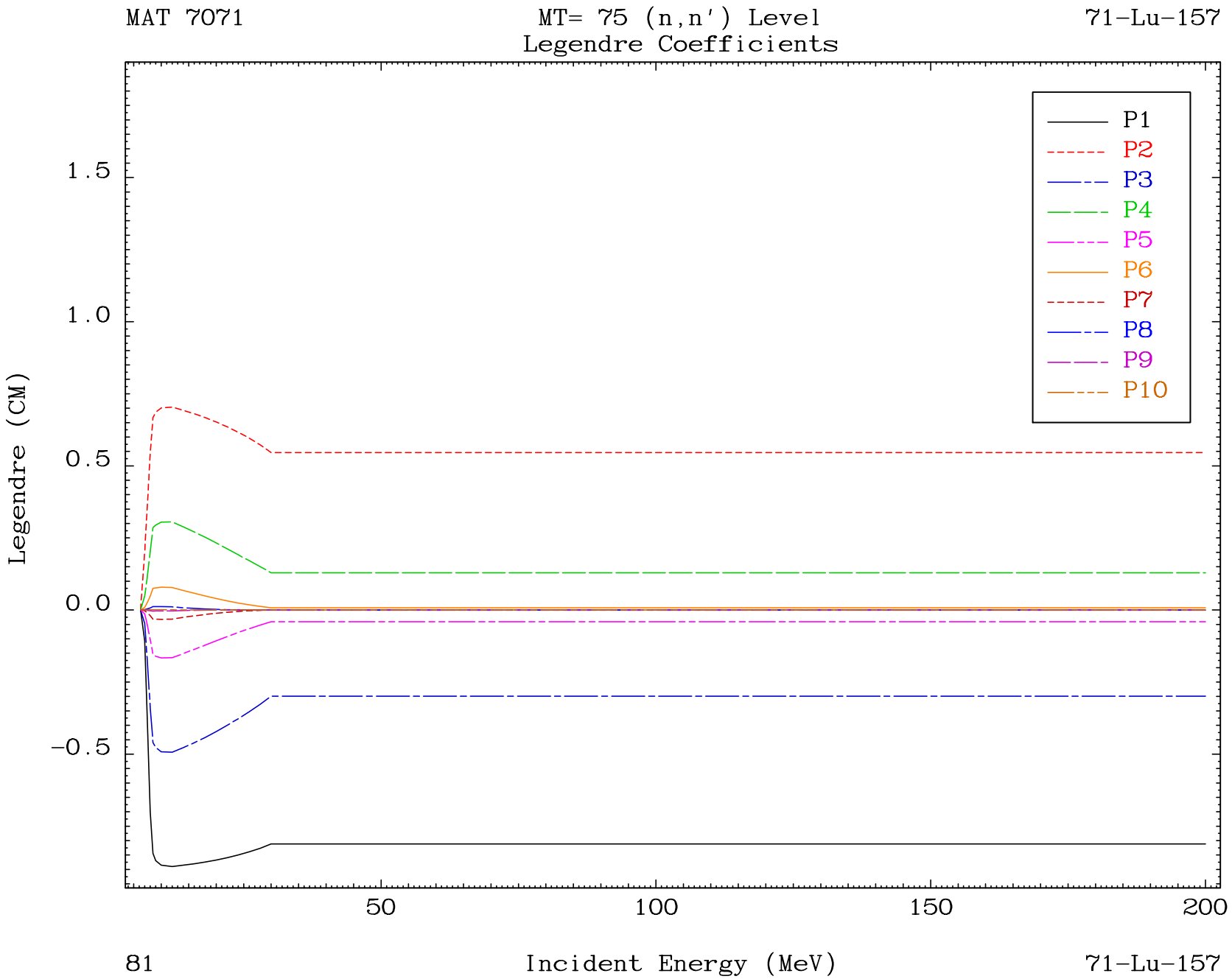

MAT 7071
MT= 72 (n,n') Level
Legendre Coefficients
71-Lu-157
0.5
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

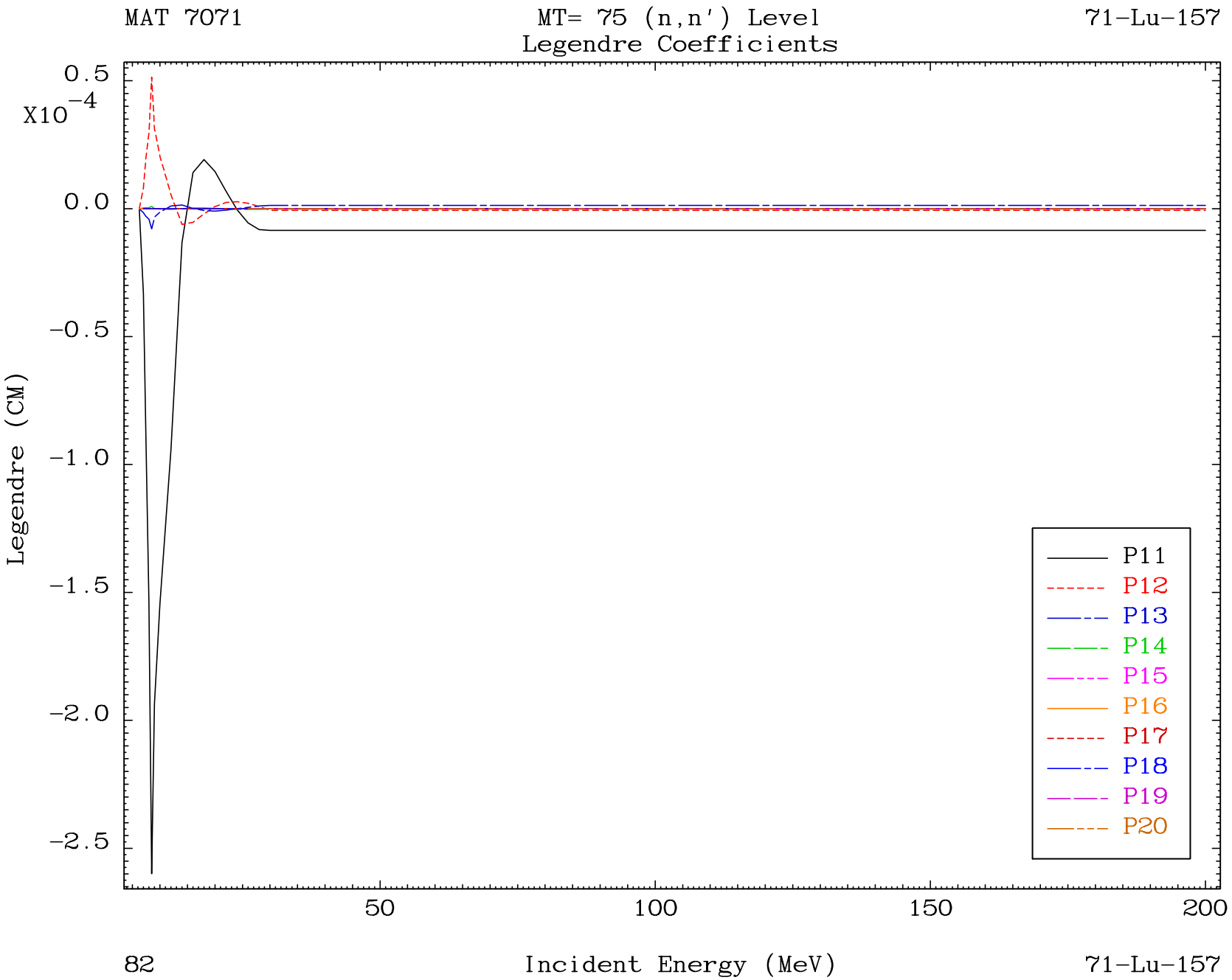

MAT 7071
MT= 74 (n,n') Level
Legendre Coefficients
71-Lu-157
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
50
100
150
200
77
Incident Energy (MeV)
71-Lu-157

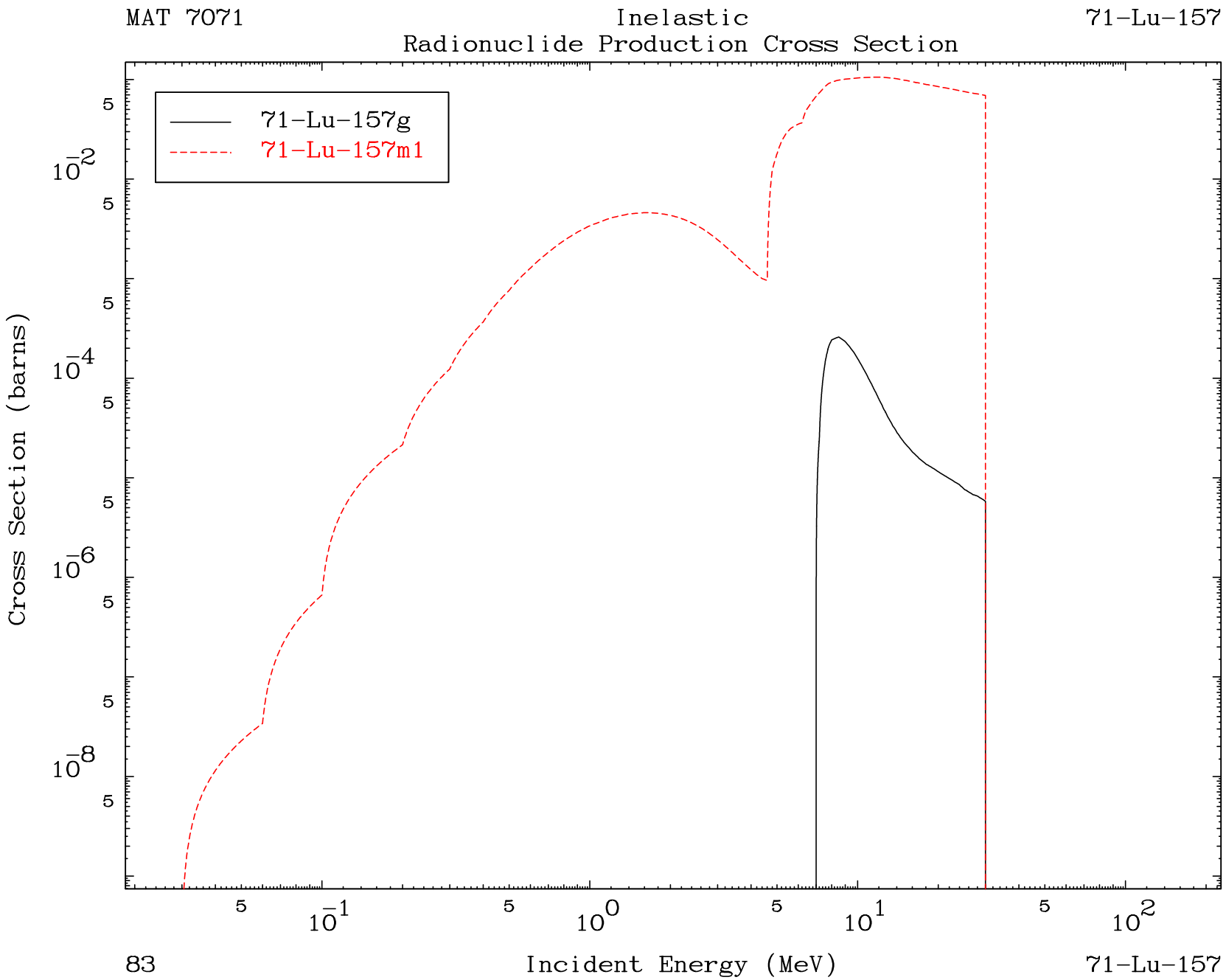

MAT 7071
MT= 74 (n,n') Level
Legendre Coefficients
71-Lu-157
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
71-Lu-157

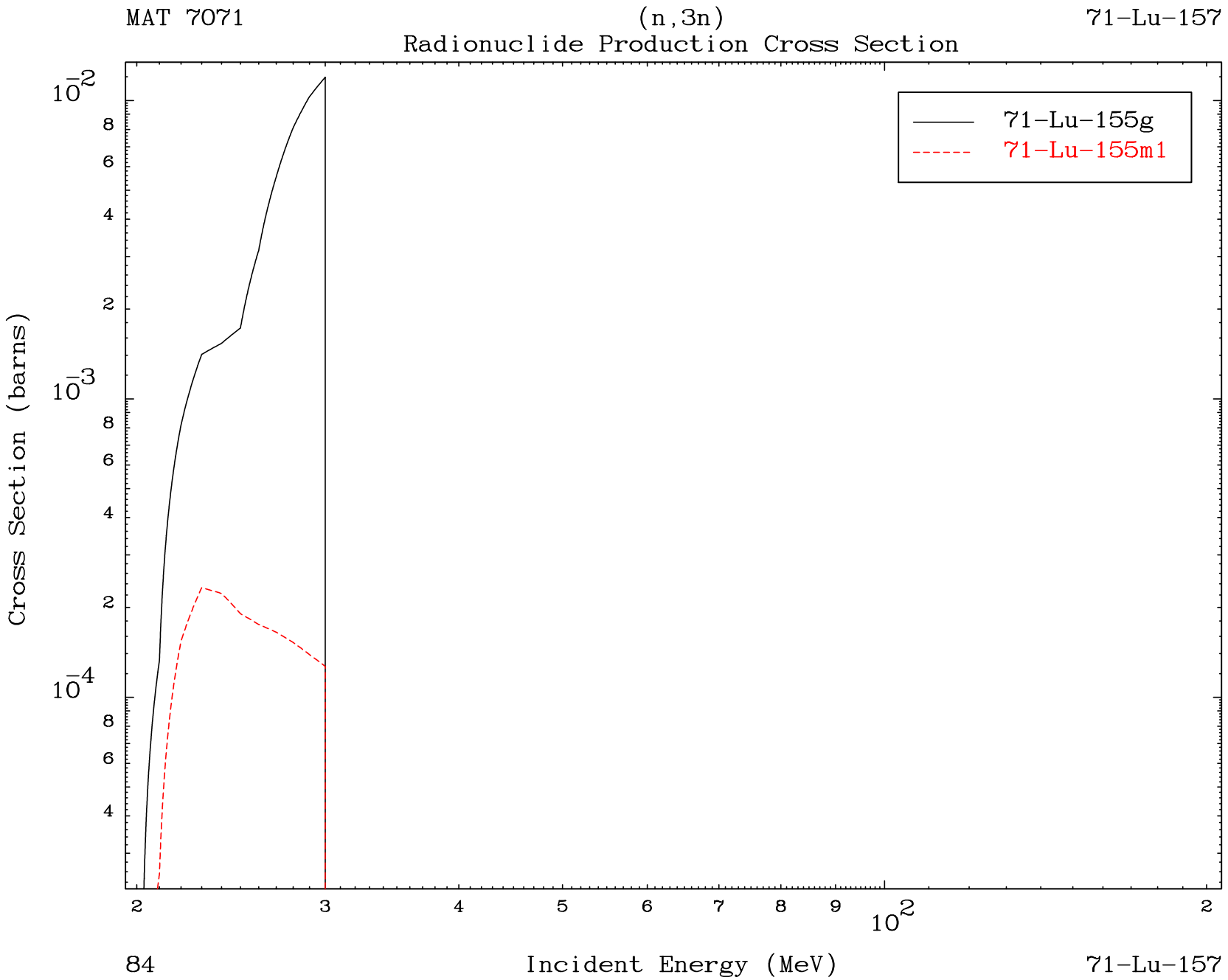

MAT 7071
MT= 74 (n,n') Level
Legendre Coefficients
71-Lu-157
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
79
Incident Energy (MeV)
71-Lu-157

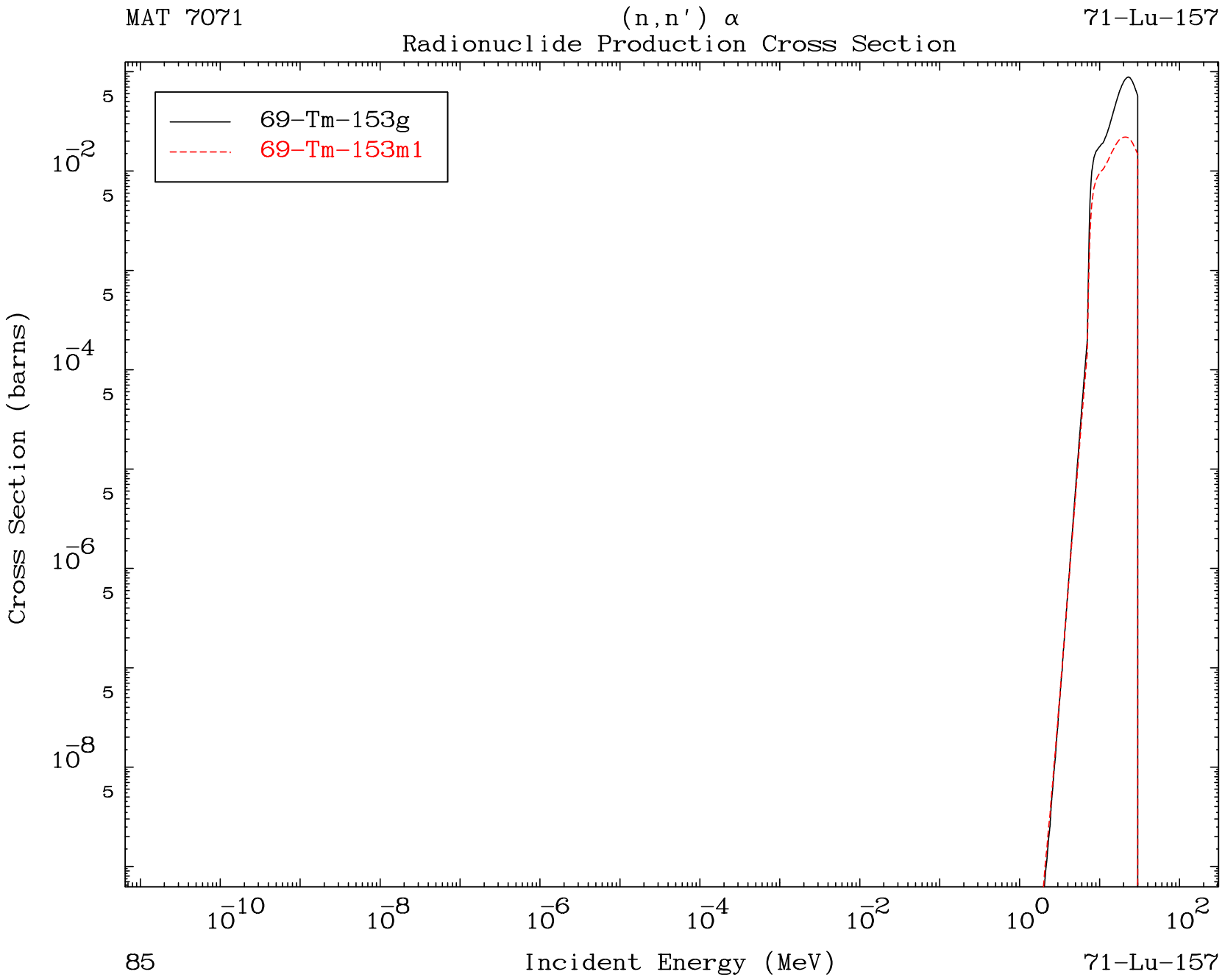

MAT 7071
MT= 74 (n,n') Level
Legendre Coefficients
71-Lu-157
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
80
Incident Energy (MeV)
71-Lu-157

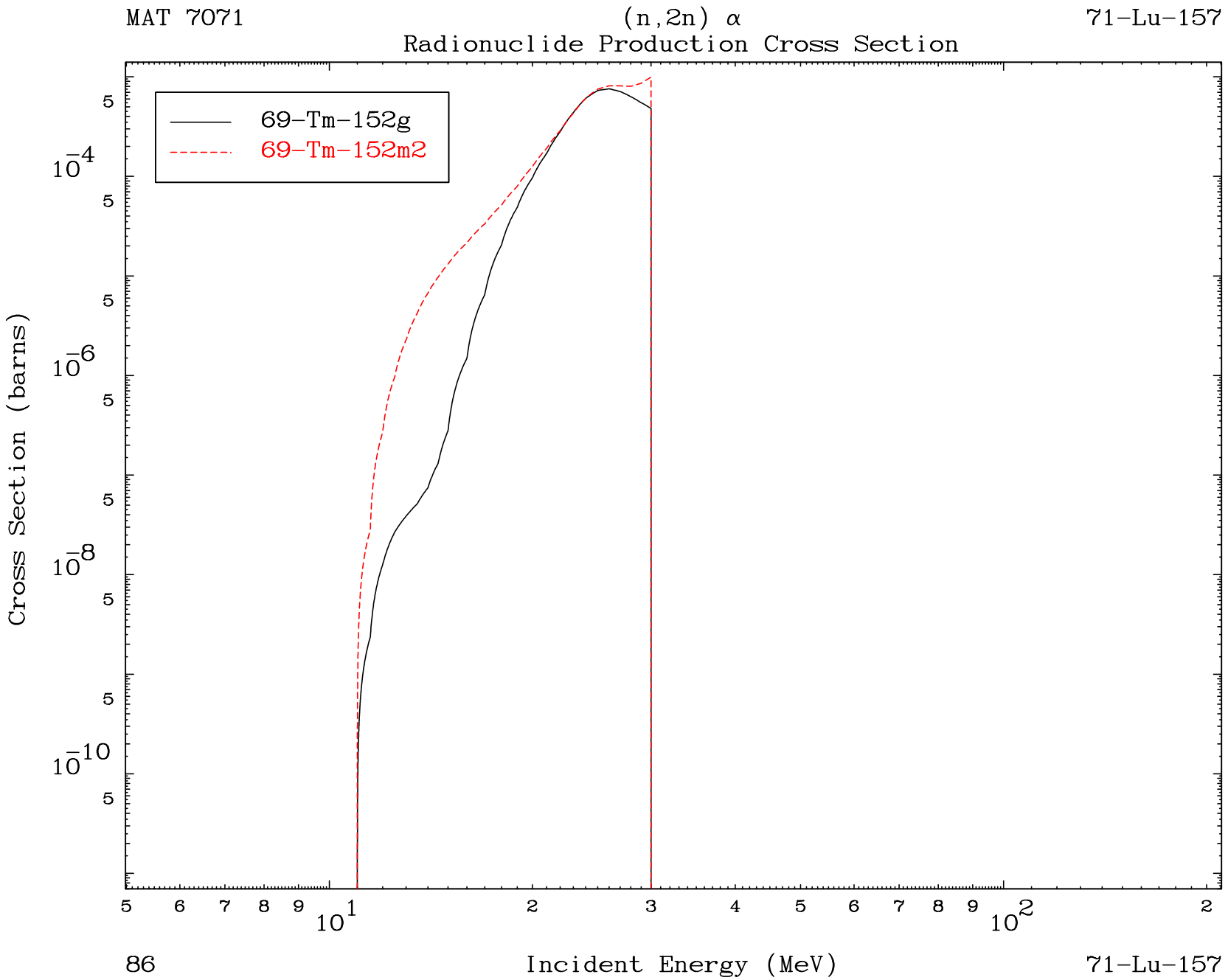

MAT 7071
MT= 75 (n,n') Level
Legendre Coefficients
71-Lu-157
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
71-Lu-157

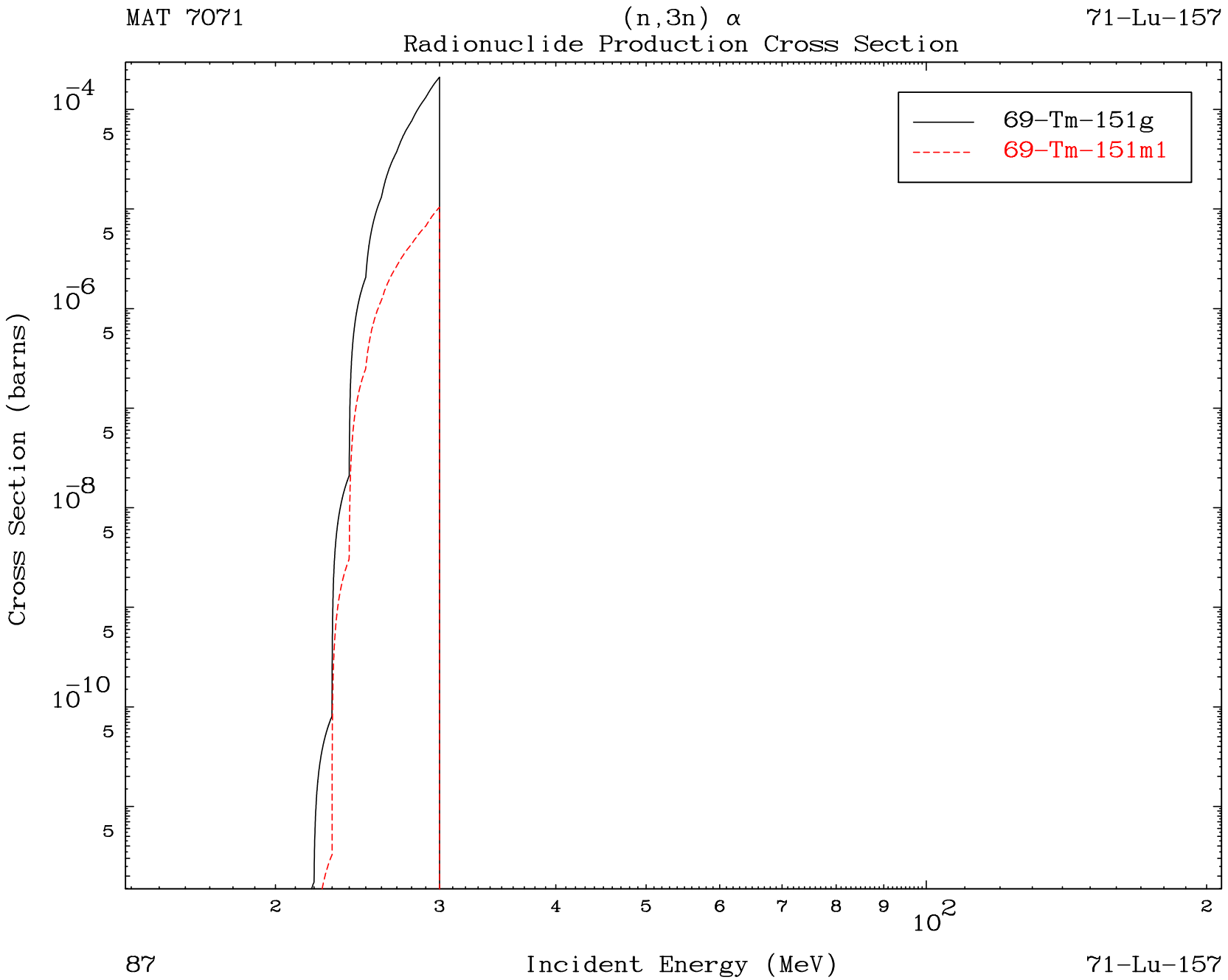

MAT 7071
MT= 75 (n,n') Level
Legendre Coefficients
71-Lu-157
X10 −4
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
71-Lu-157
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

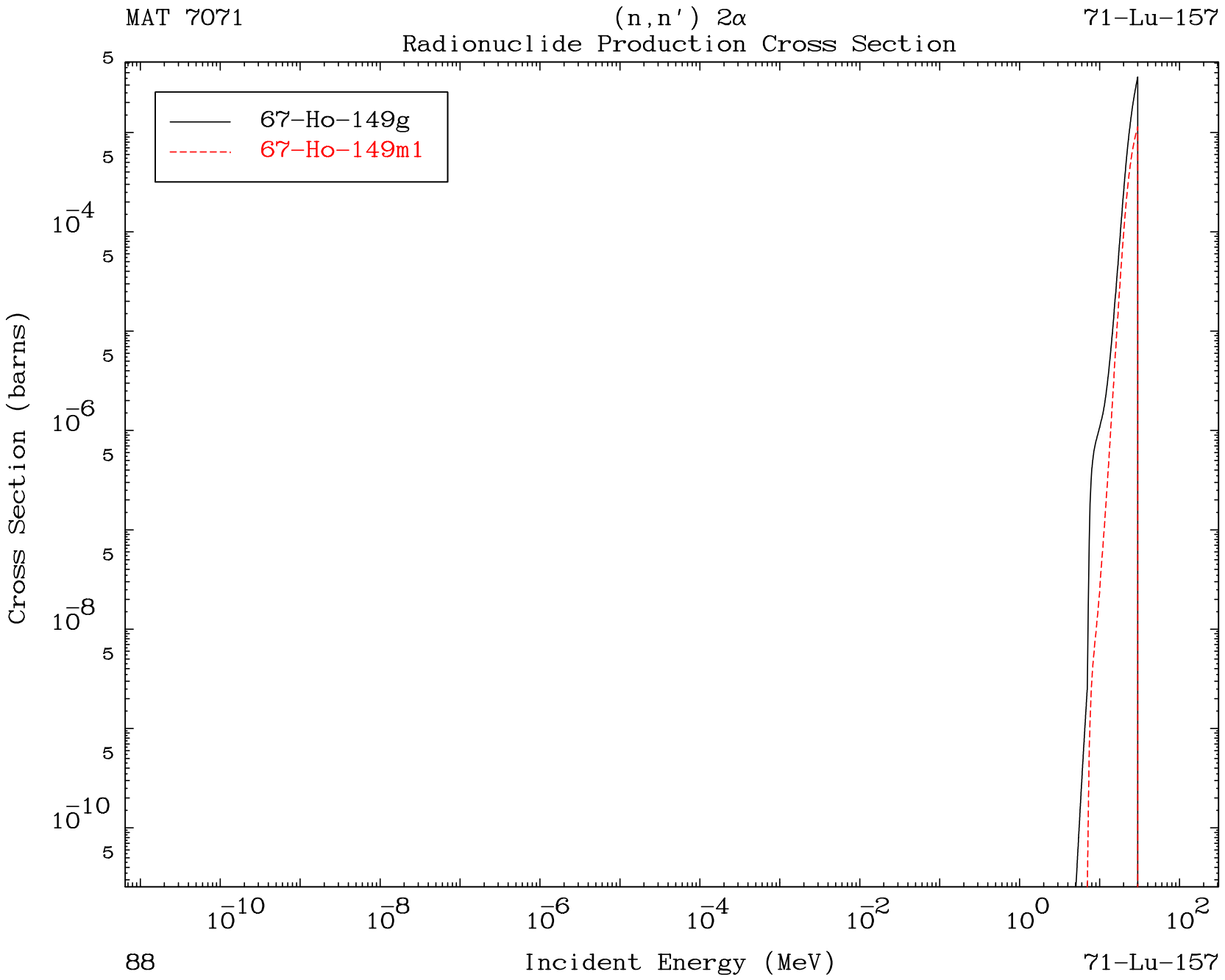

MAT 7071
Inelastic
71-Lu-157
Radionuclide Production Cross Section
71-Lu-157g
71-Lu-157m1
Cross Section (barns)
Incident Energy (MeV)
83
71-Lu-157

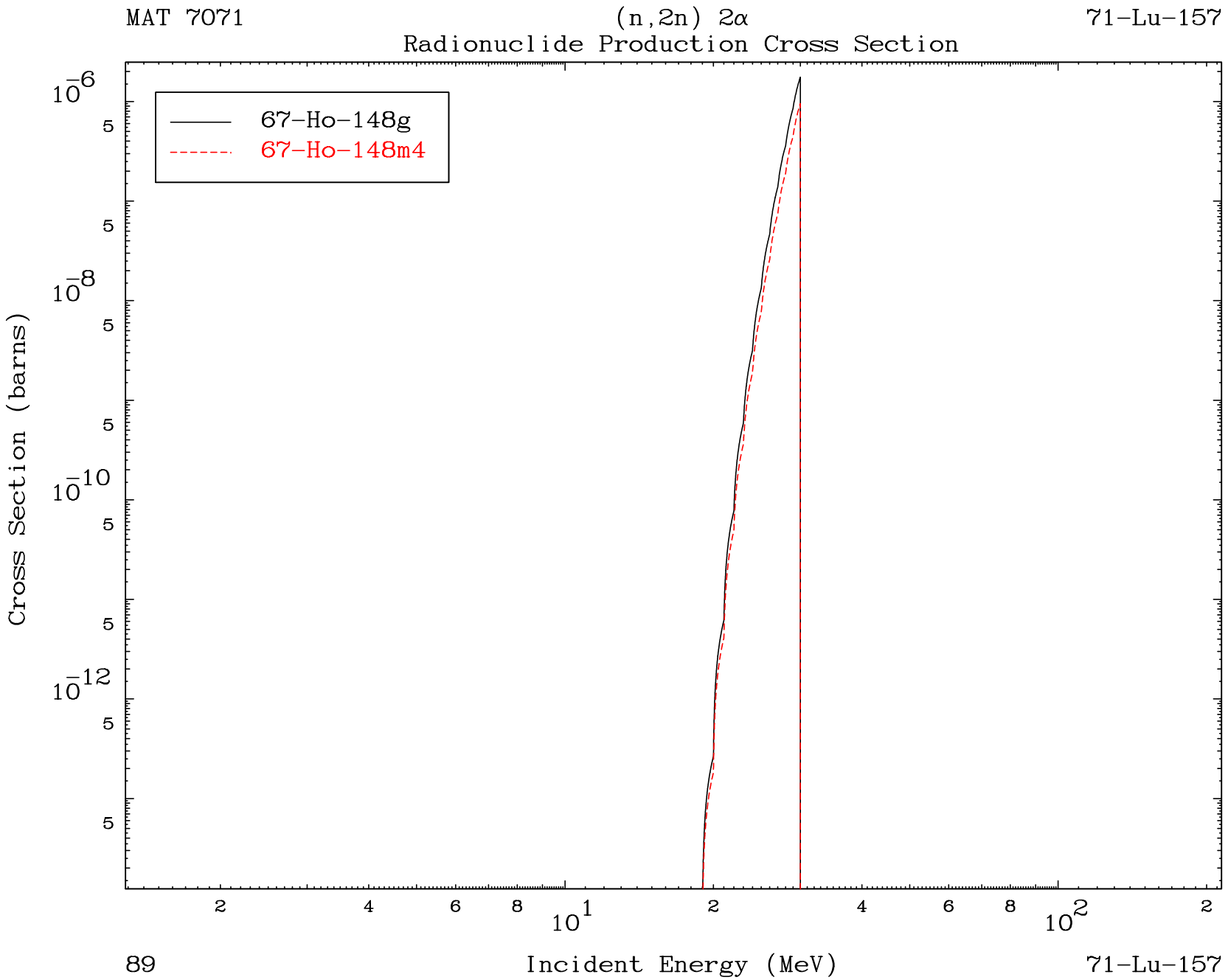

MAT 7071
(n,3n)
71-Lu-157
Radionuclide Production Cross Section
71-Lu-155g
71-Lu-155m1
Cross Section (barns)
Incident Energy (MeV)
84
71-Lu-157

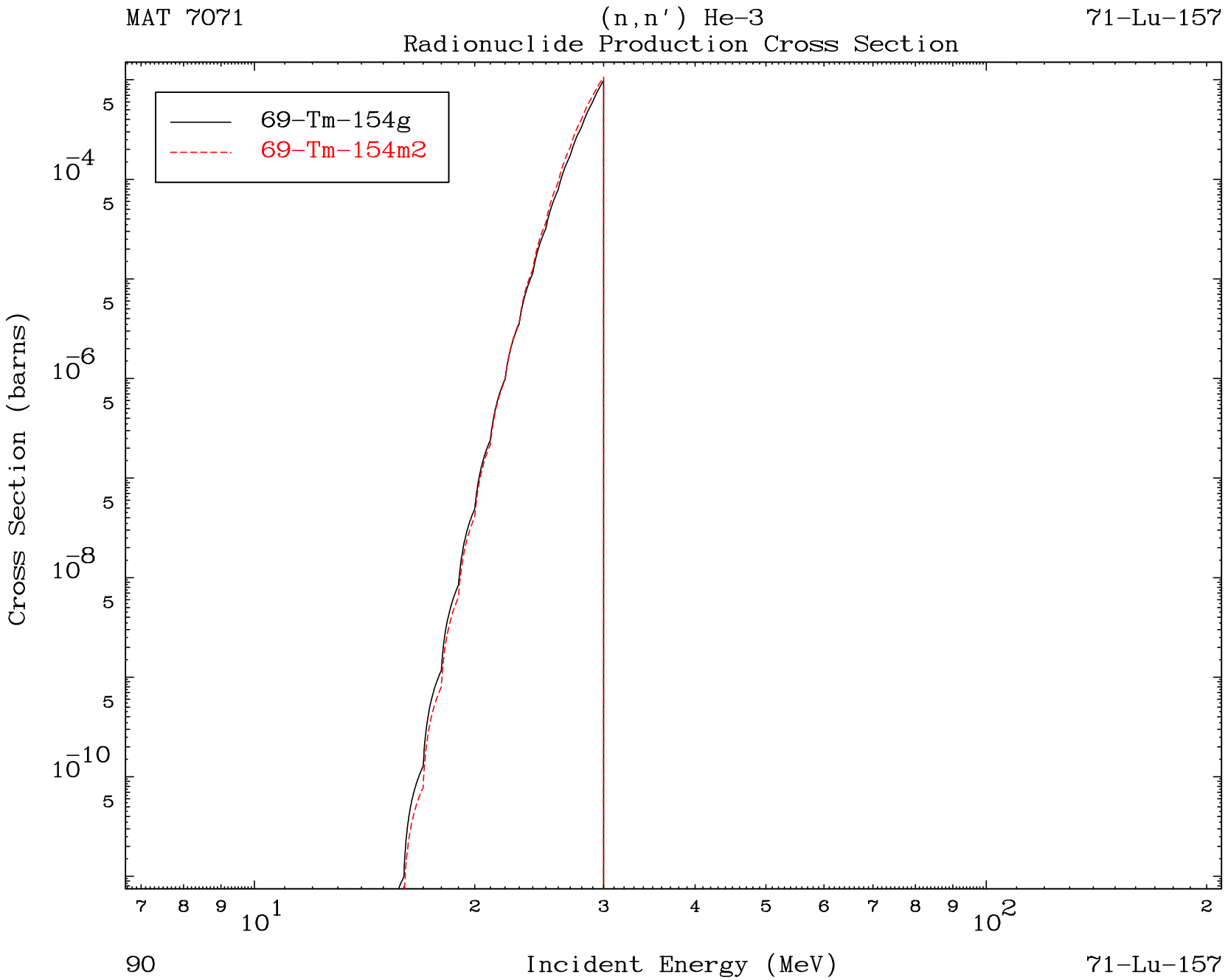

MAT 7071
(n,n') α
71-Lu-157
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
85
71-Lu-157

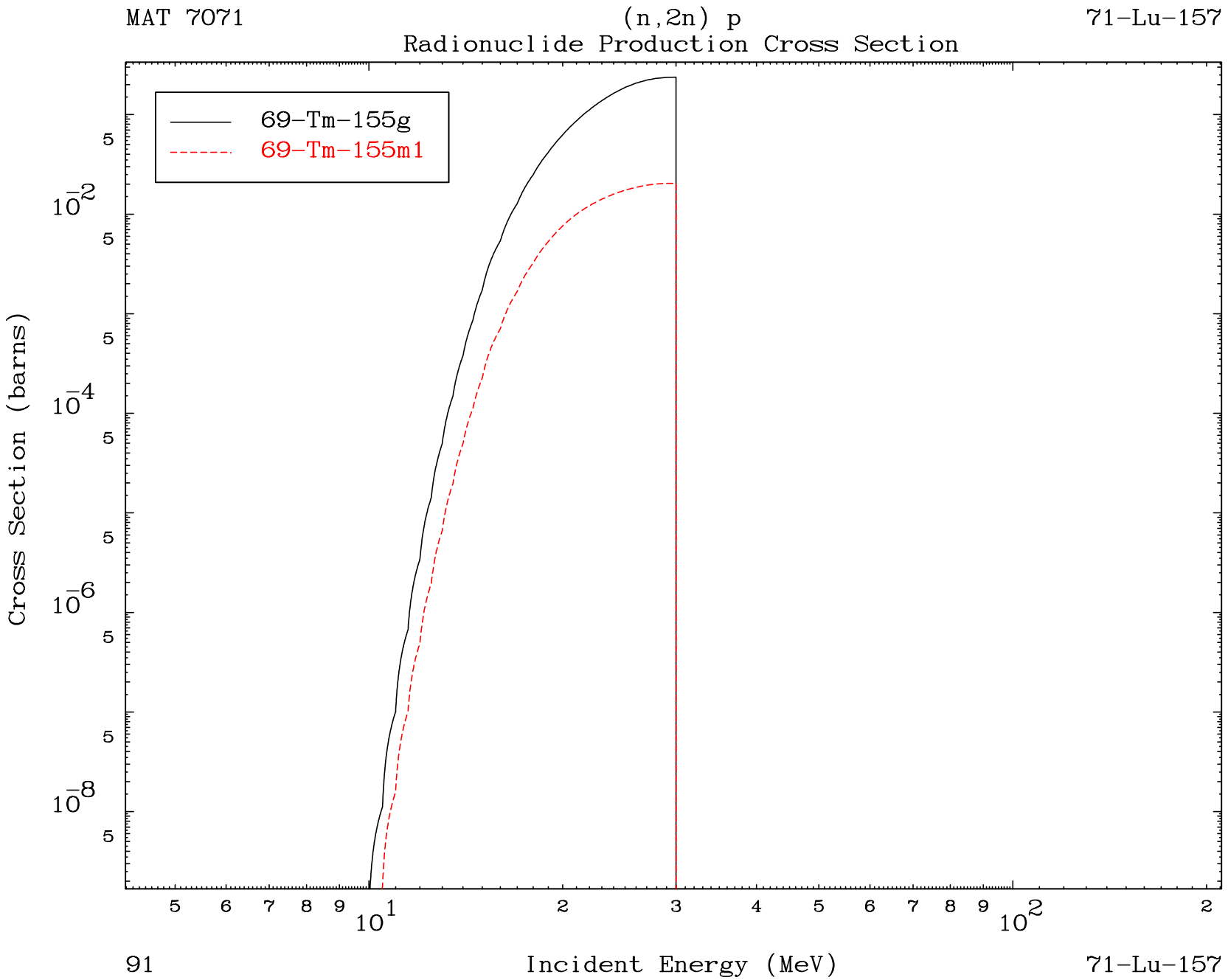

MAT 7071
(n,2n) α
71-Lu-157
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
86
Incident Energy (MeV)
71-Lu-157

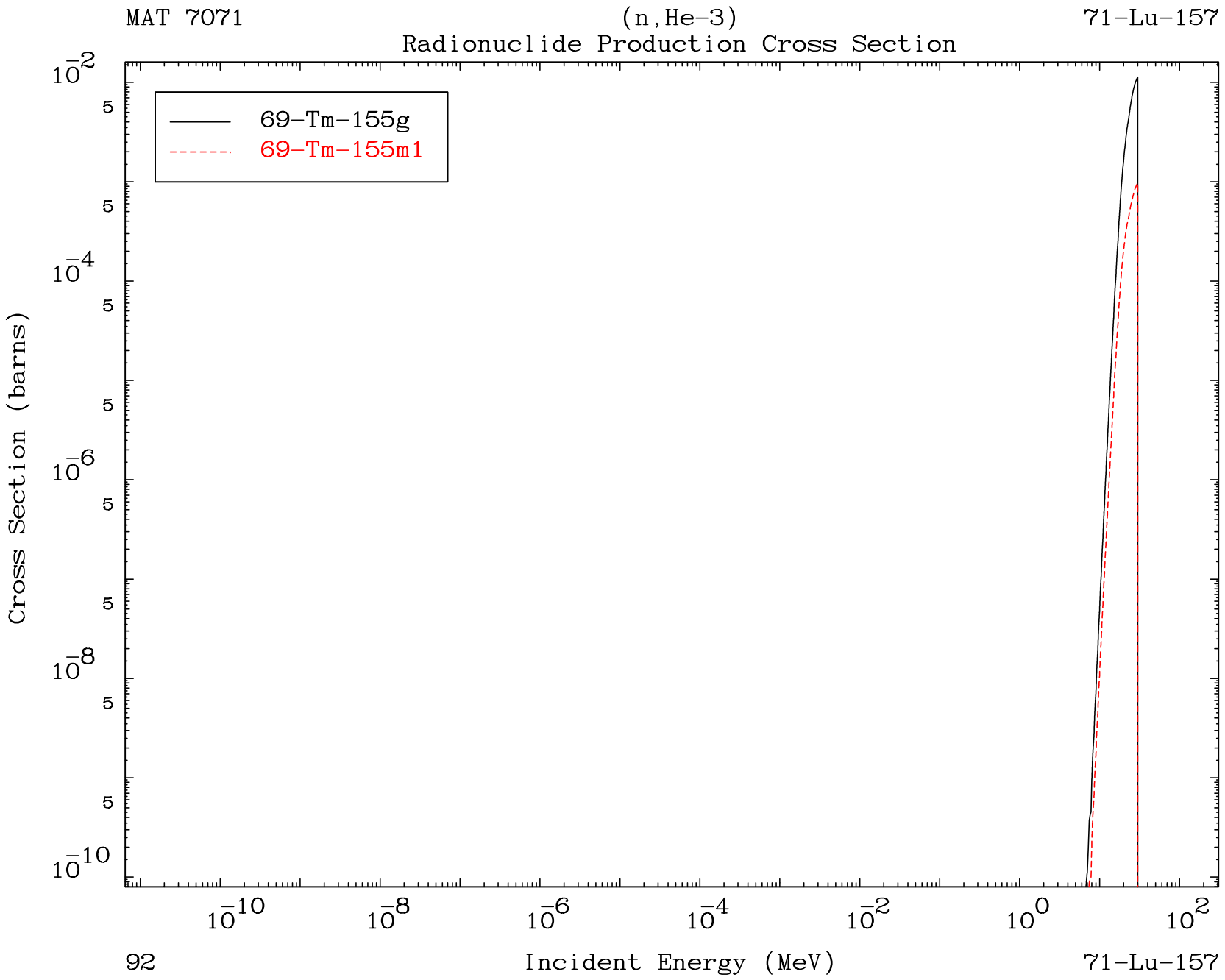

MAT 7071
(n,3n) α
71-Lu-157
Radionuclide Production Cross Section
69-Tm-151g
69-Tm-151m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
87
Incident Energy (MeV)
71-Lu-157

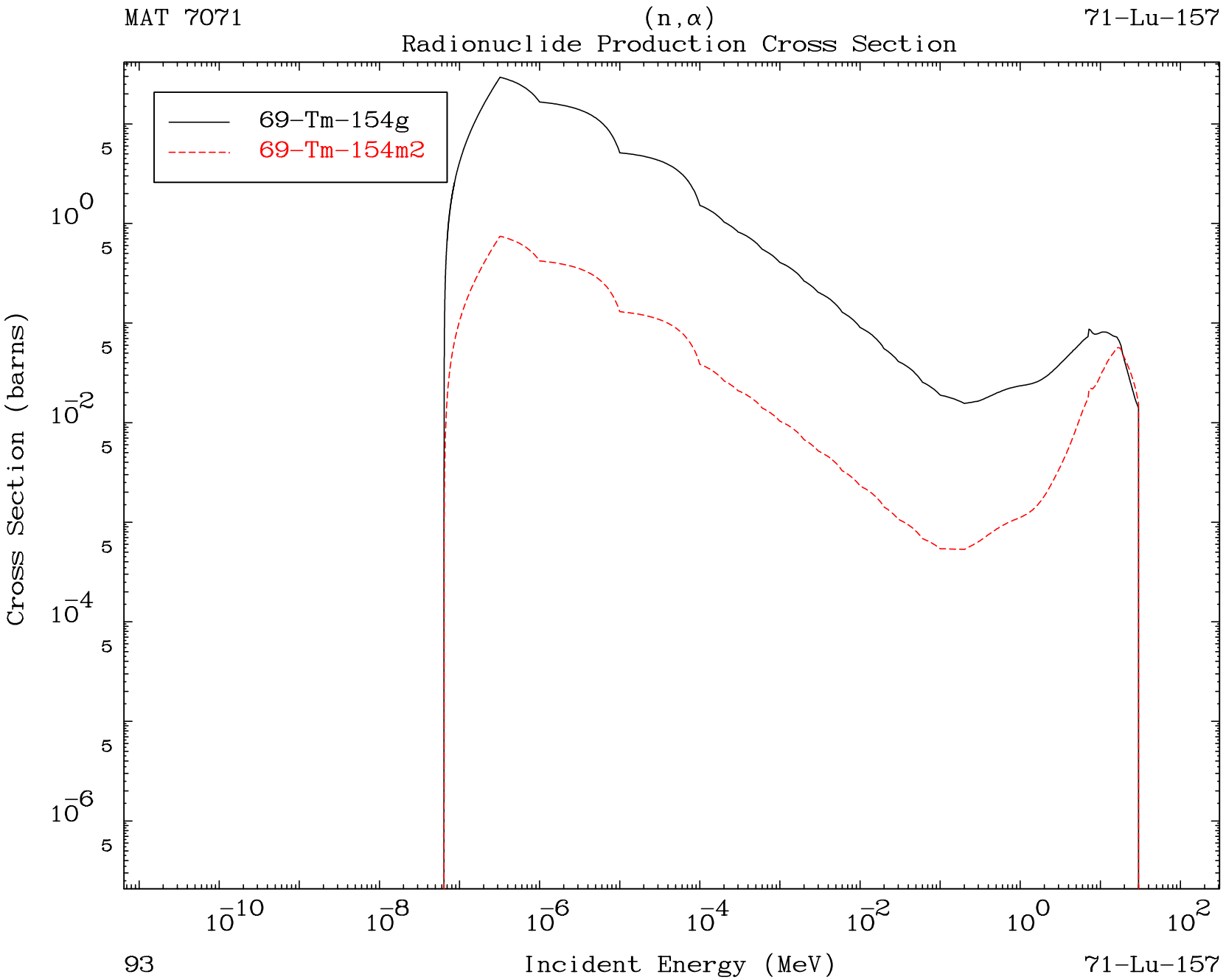

MAT 7071
(n,n') 2α
71-Lu-157
Radionuclide Production Cross Section
67-Ho-149g
67-Ho-149m1
Cross Section (barns)
Incident Energy (MeV)
88
71-Lu-157

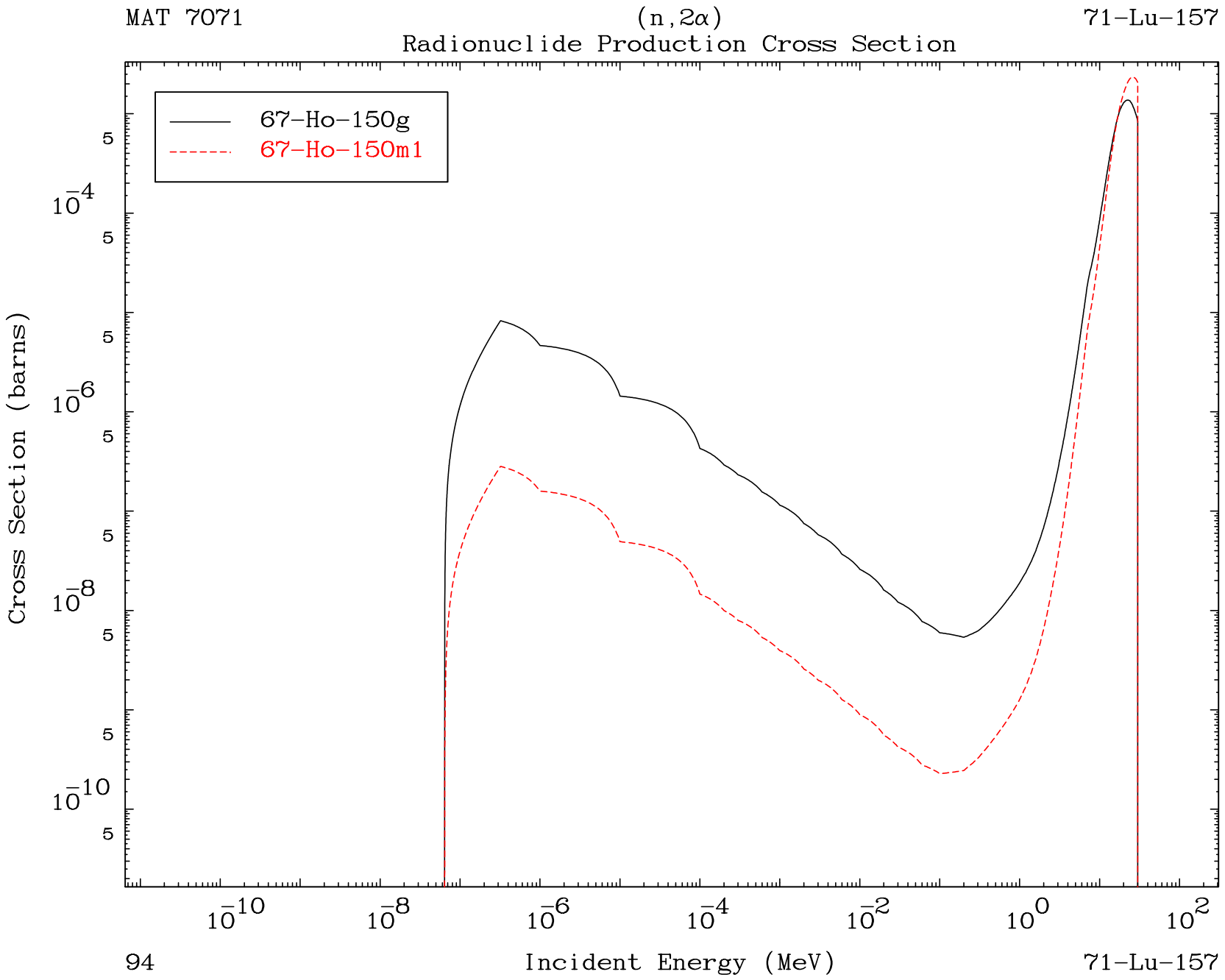

MAT 7071
(n,2n) 2α
71-Lu-157
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
89
Incident Energy (MeV)
71-Lu-157

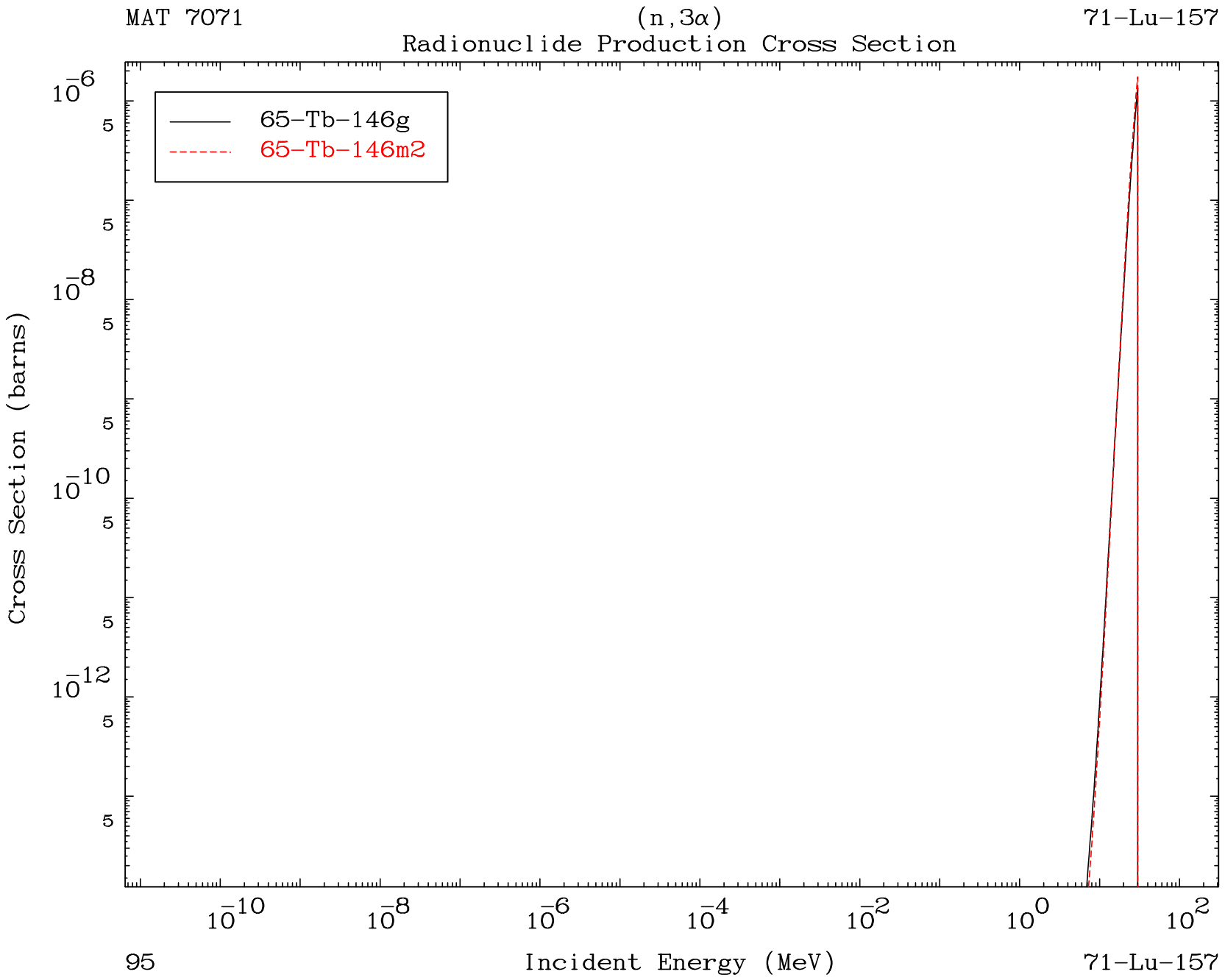

MAT 7071
(n,n') He-3
71-Lu-157
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
90
Incident Energy (MeV)
71-Lu-157

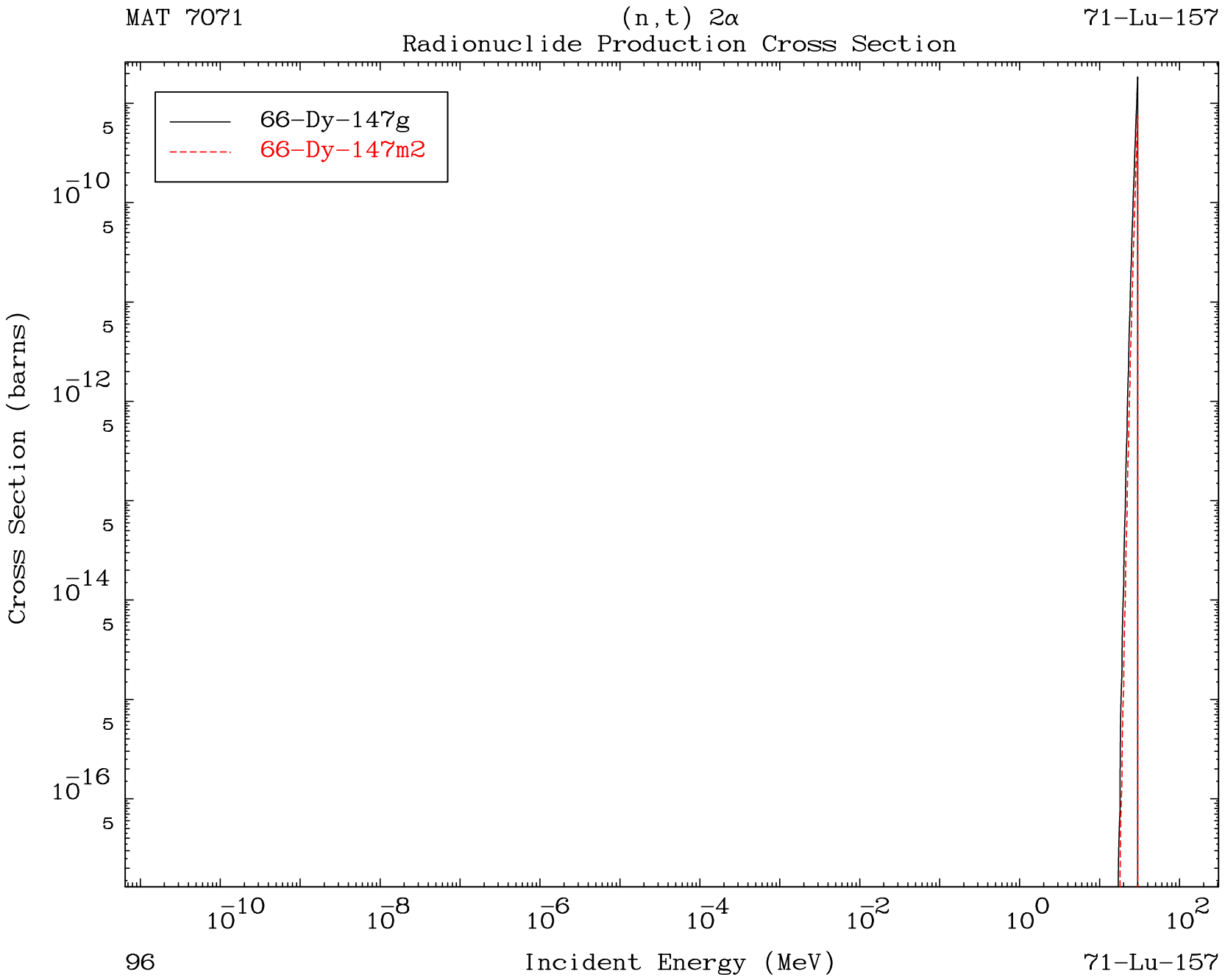

MAT 7071
(n,2n) p
71-Lu-157
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
91
Incident Energy (MeV)
71-Lu-157

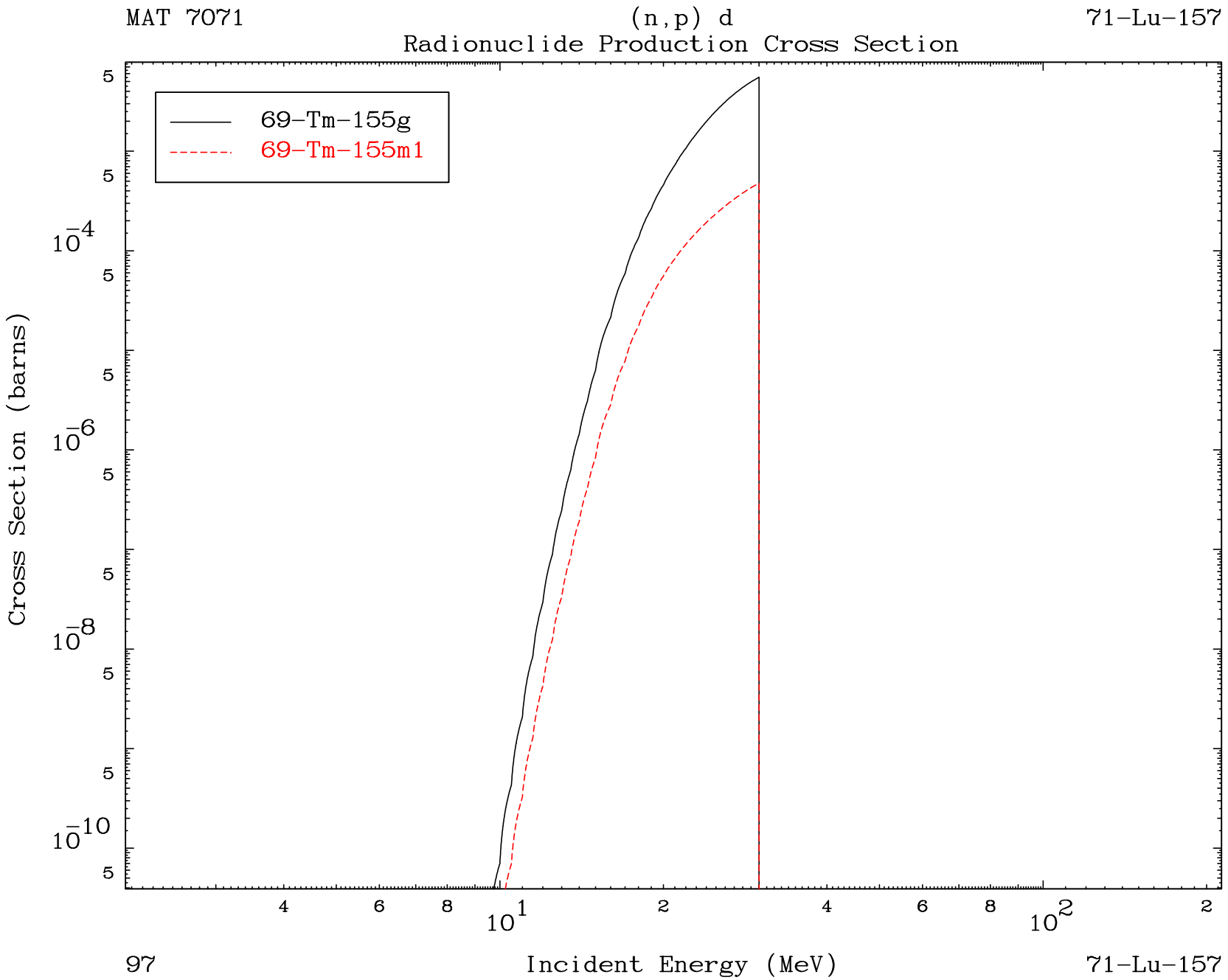

MAT 7071
(n,He-3)
71-Lu-157
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
Incident Energy (MeV)
92
71-Lu-157

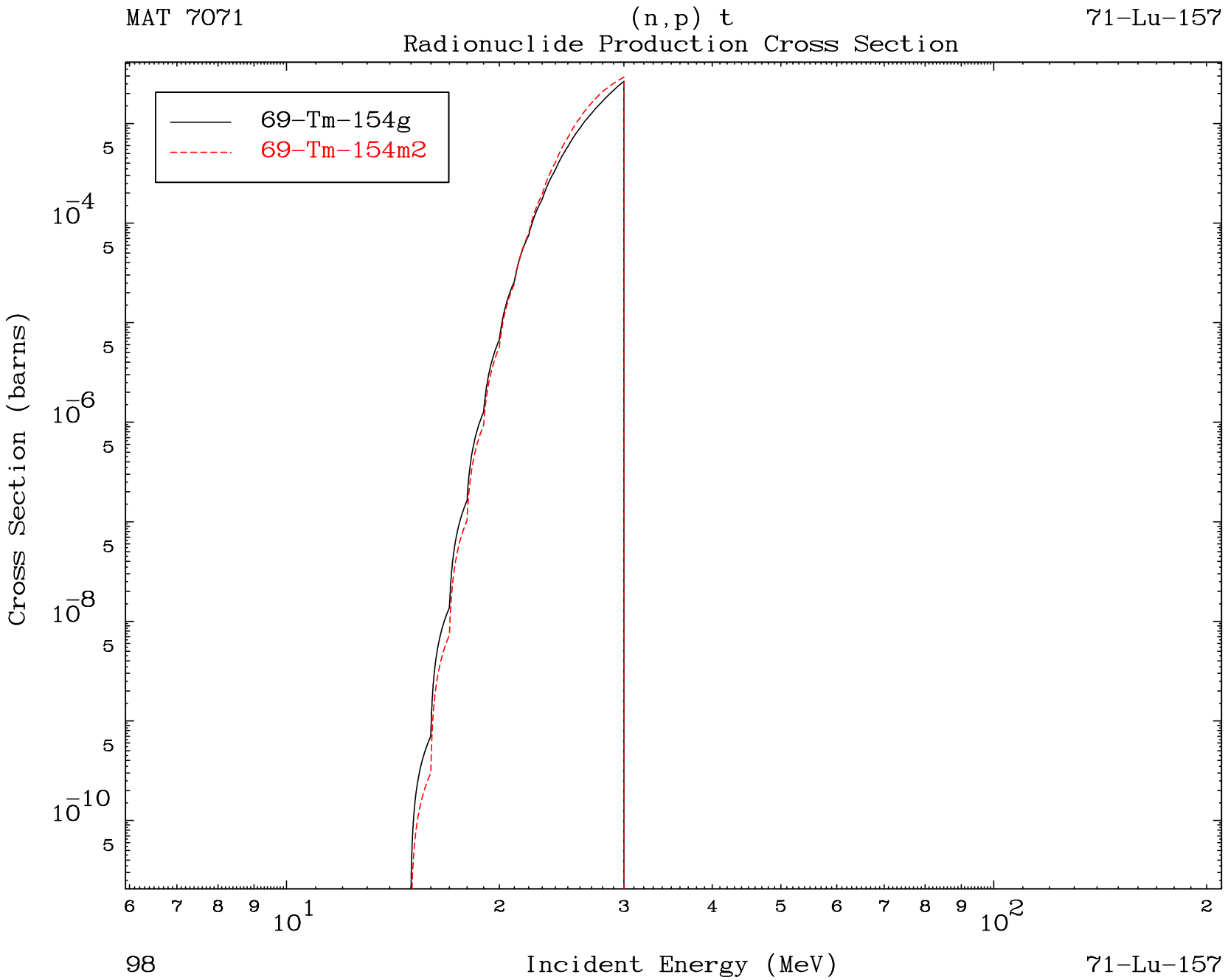

MAT 7071
(n,α)
71-Lu-157
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
93
Incident Energy (MeV)
71-Lu-157


MAT 7071
(n,2α)
71-Lu-157
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
94
Incident Energy (MeV)
71-Lu-157


MAT 7071
(n,3α)
71-Lu-157
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
95
71-Lu-157


MAT 7071
(n,t) 2α
71-Lu-157
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
96
71-Lu-157


MAT 7071
(n,p) d
71-Lu-157
Radionuclide Production Cross Section
69-Tm-155g
69-Tm-155m1
Cross Section (barns)
Incident Energy (MeV)
97
71-Lu-157


MAT 7071
(n,p) t
71-Lu-157
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
10-4
10-6
10-8
10-10
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
98
Incident Energy (MeV)
71-Lu-157