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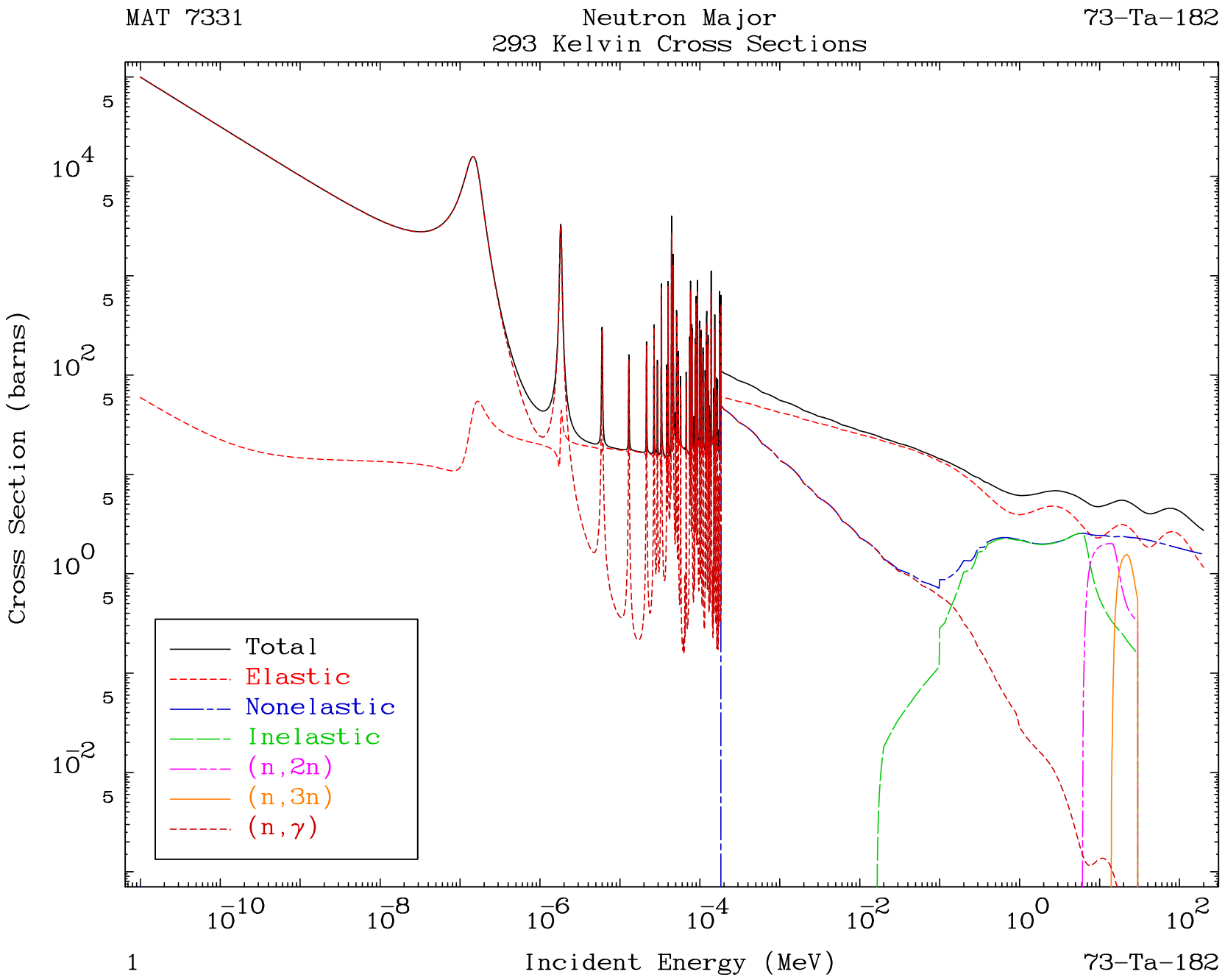
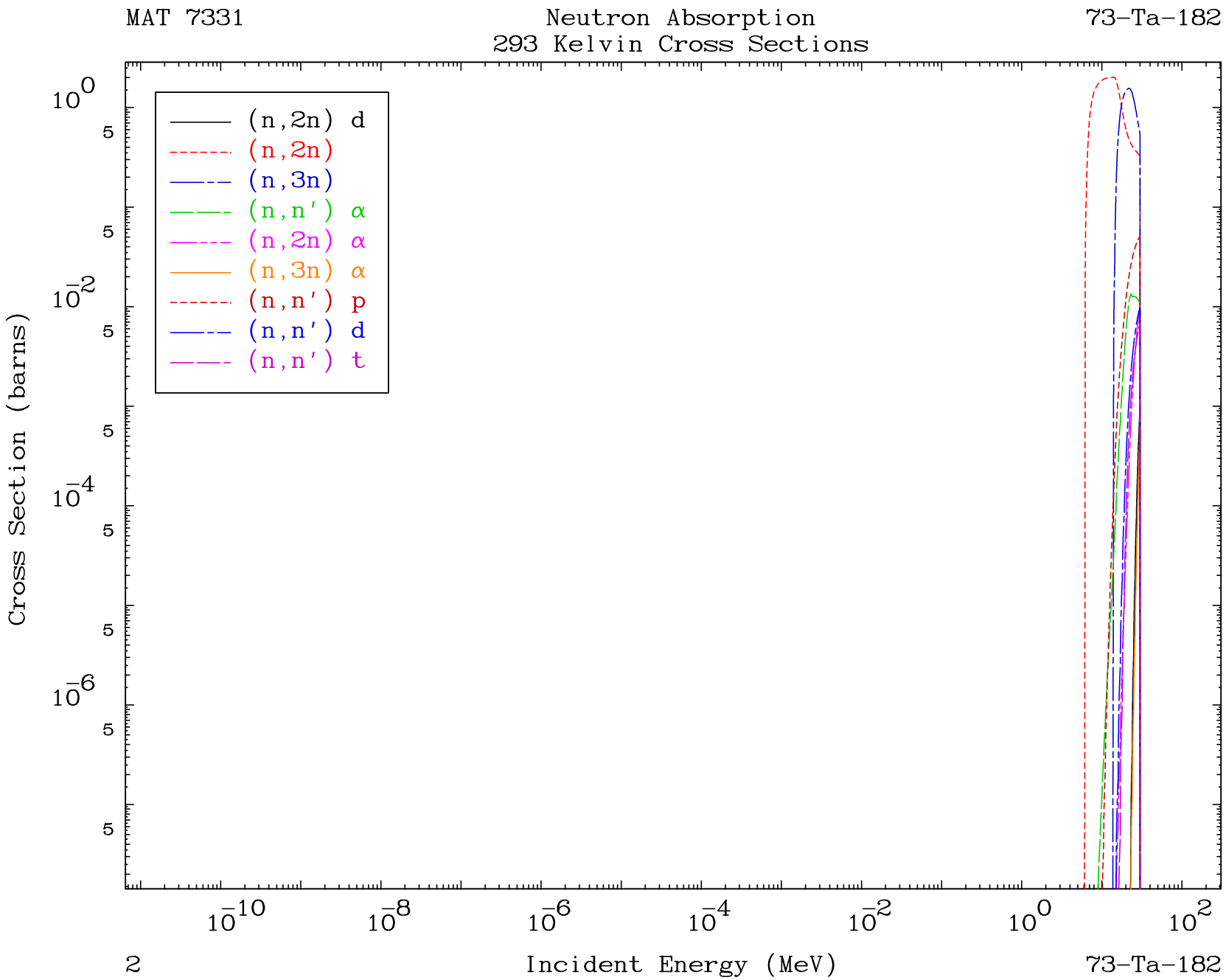
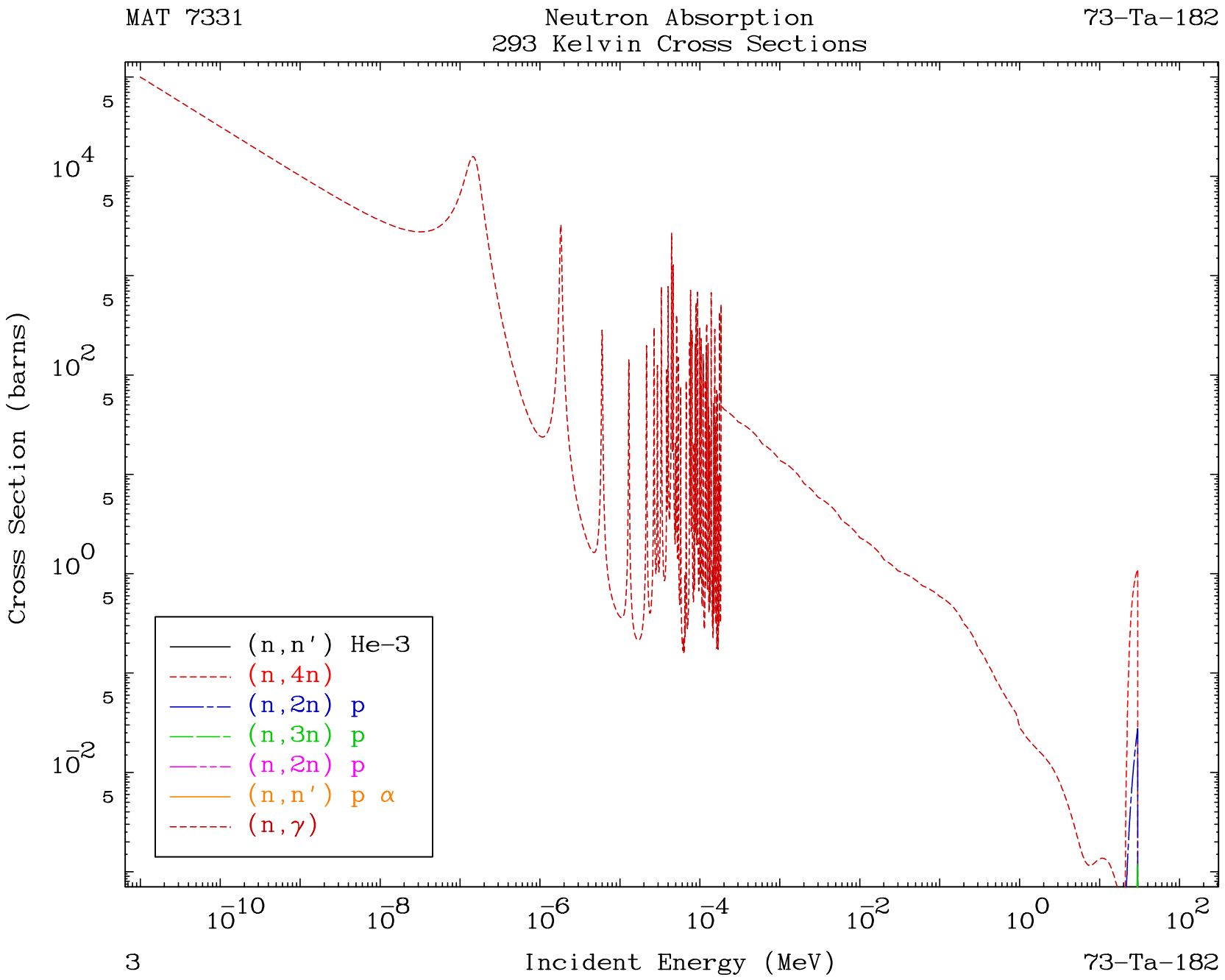
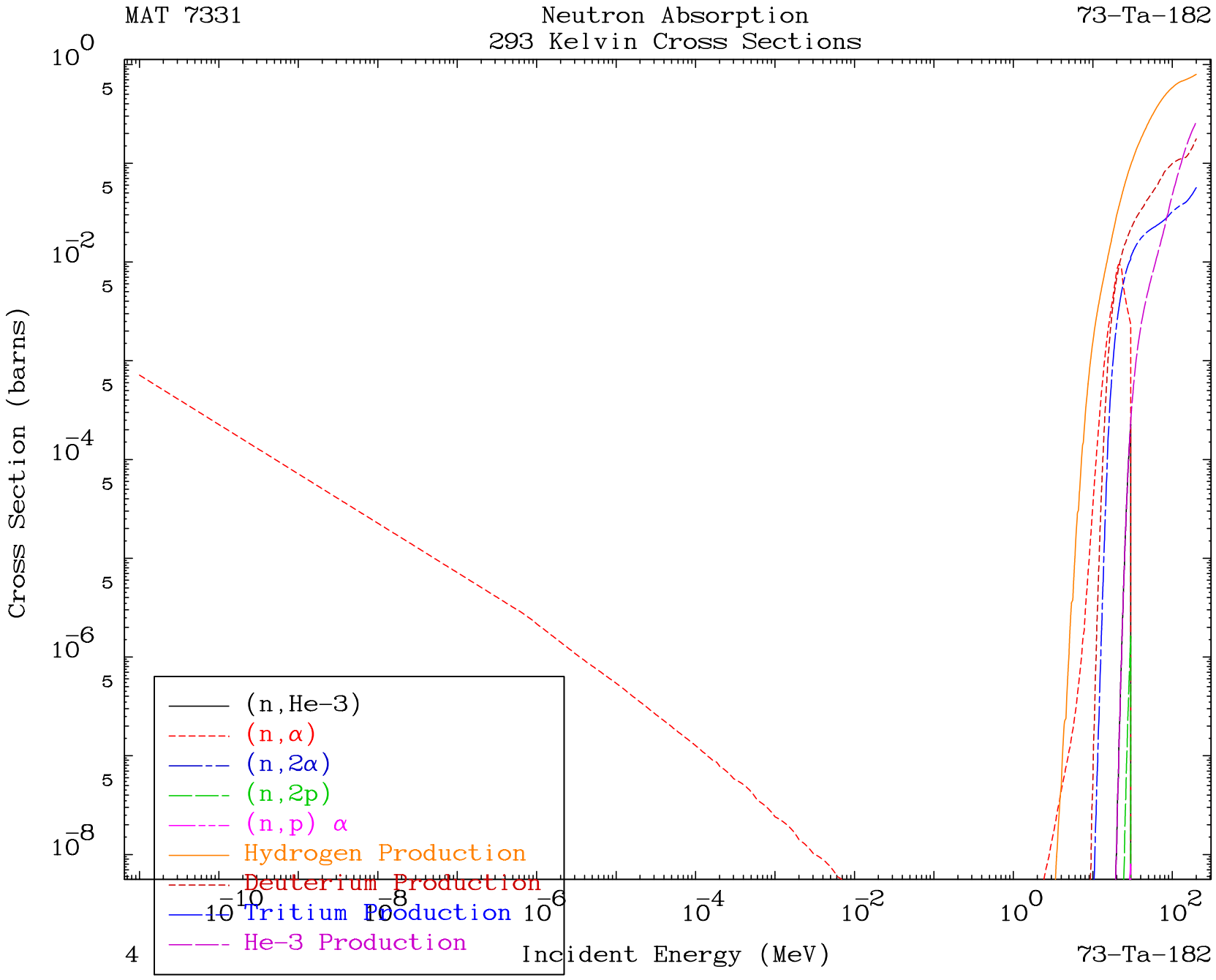
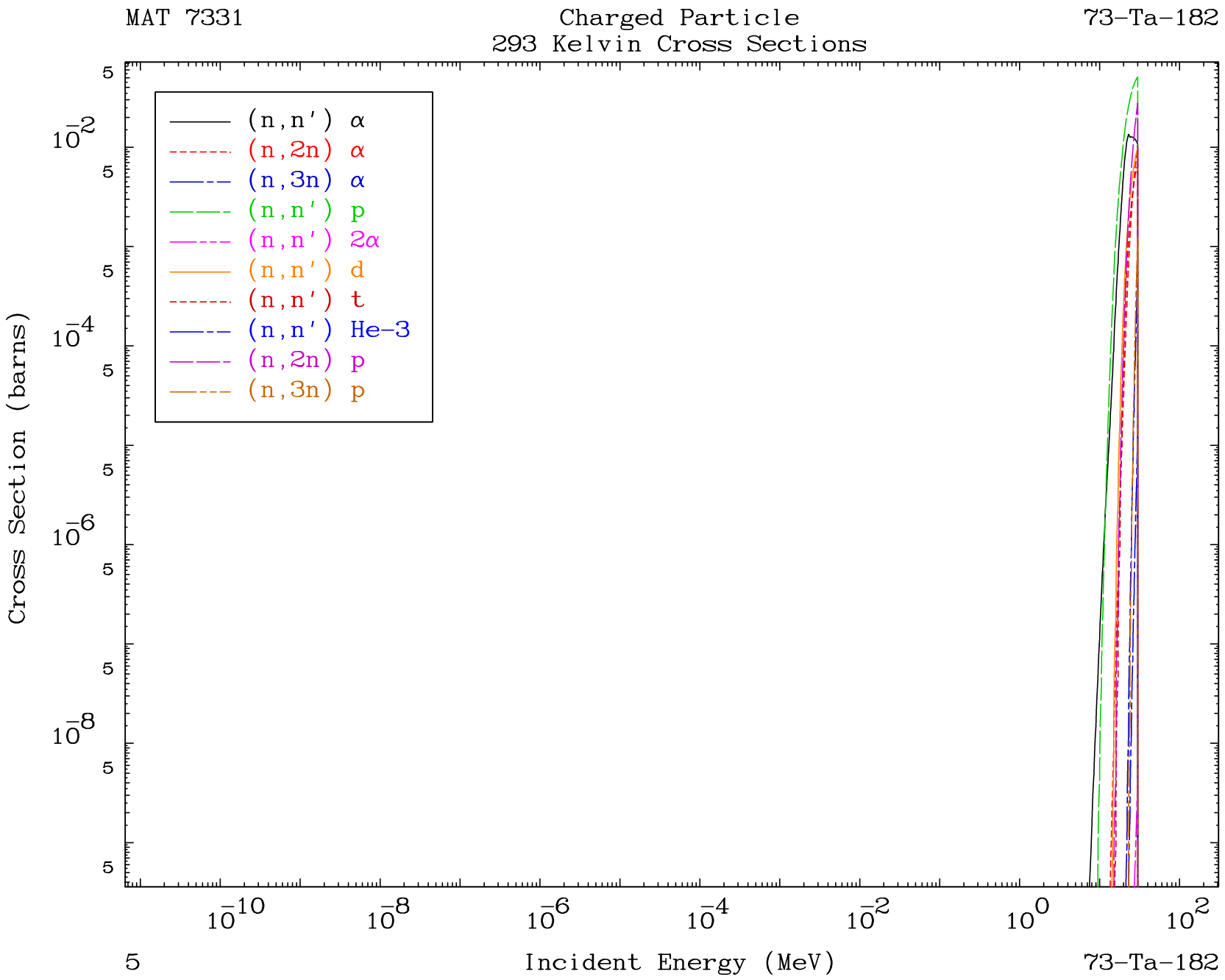
Press Mouse Button to Start

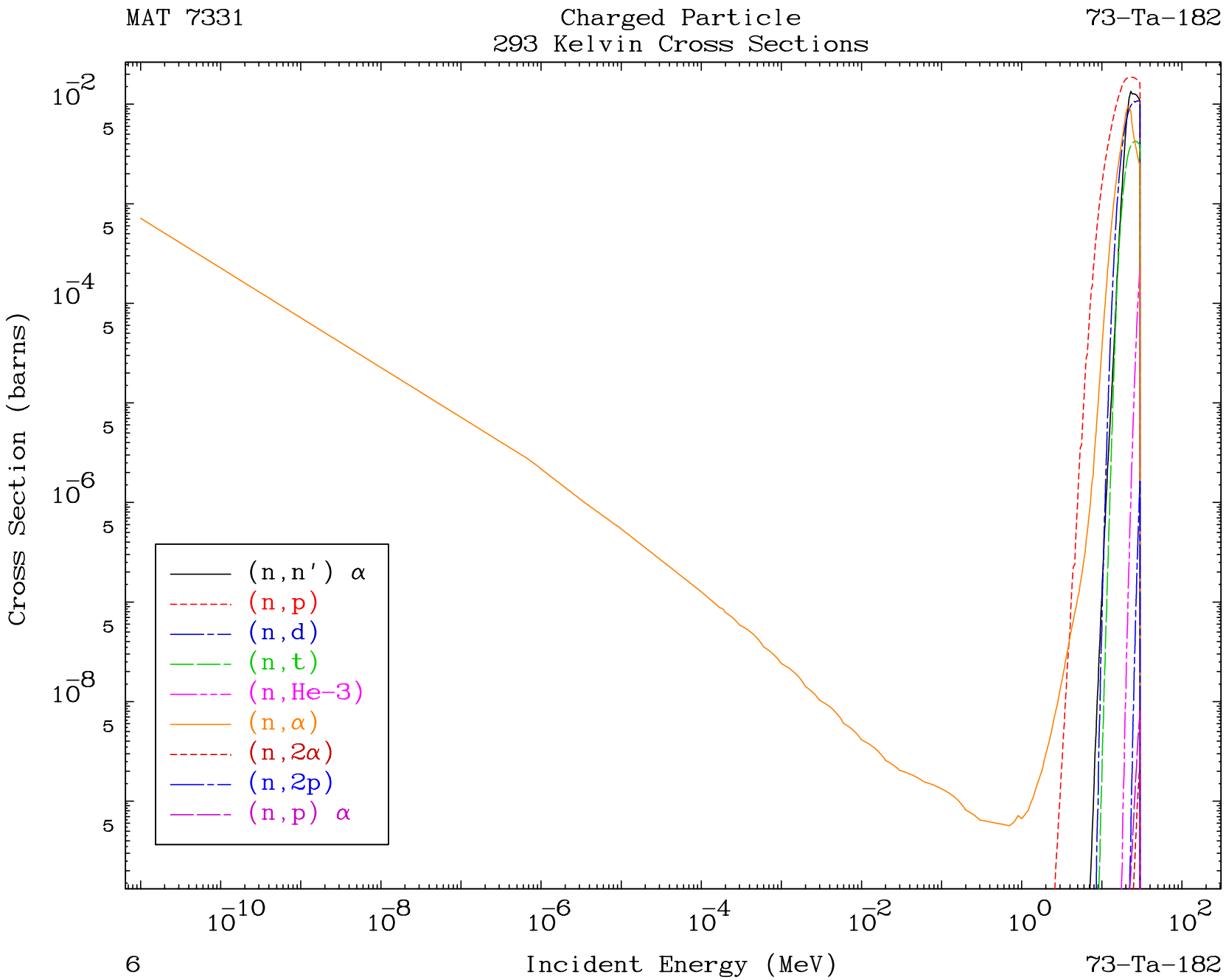

MAT 7331
Neutron Major
293 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
73-Ta-182

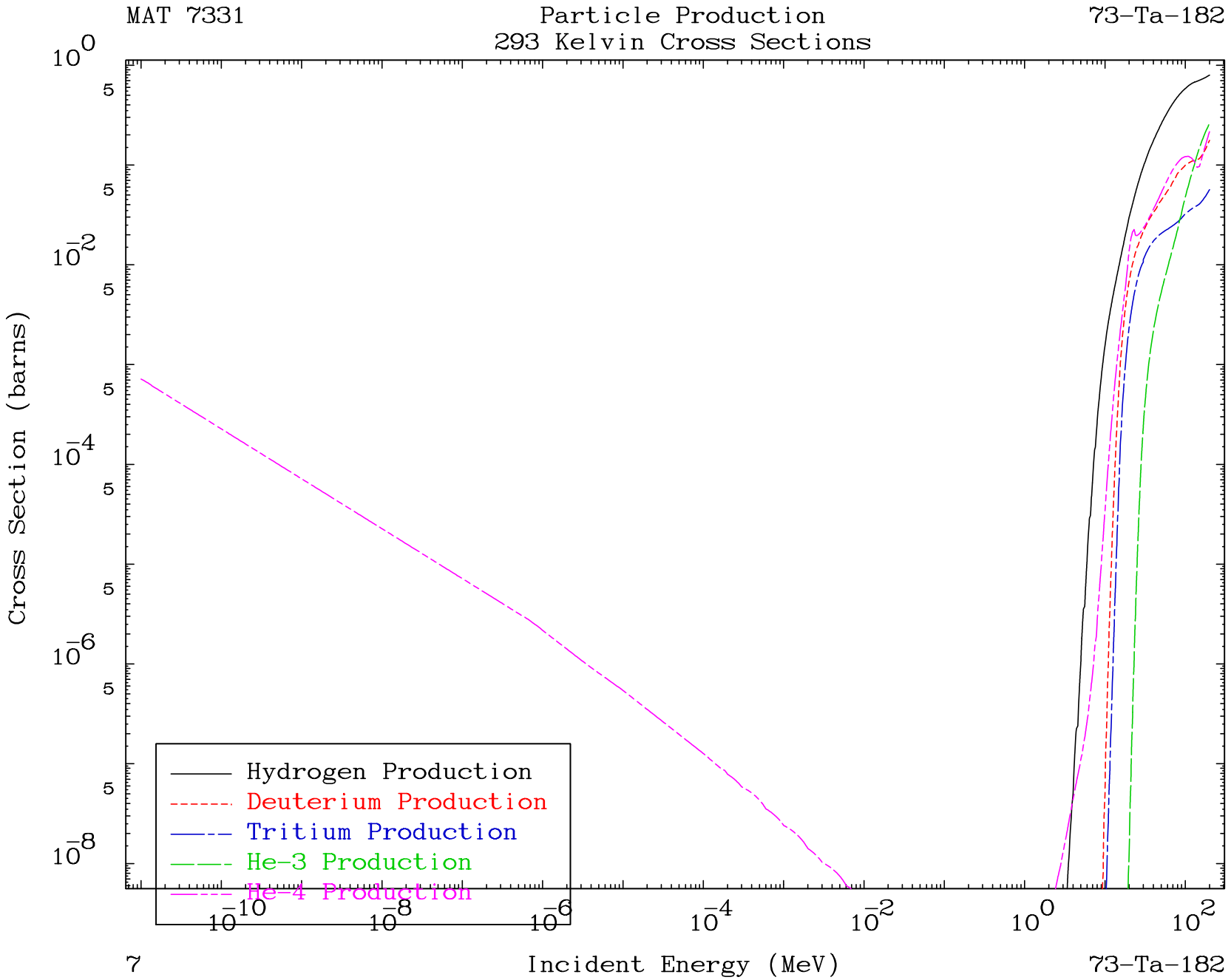

MAT 7331
Neutron Absorption
293 Kelvin Cross Sections
73-Ta-182
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
2

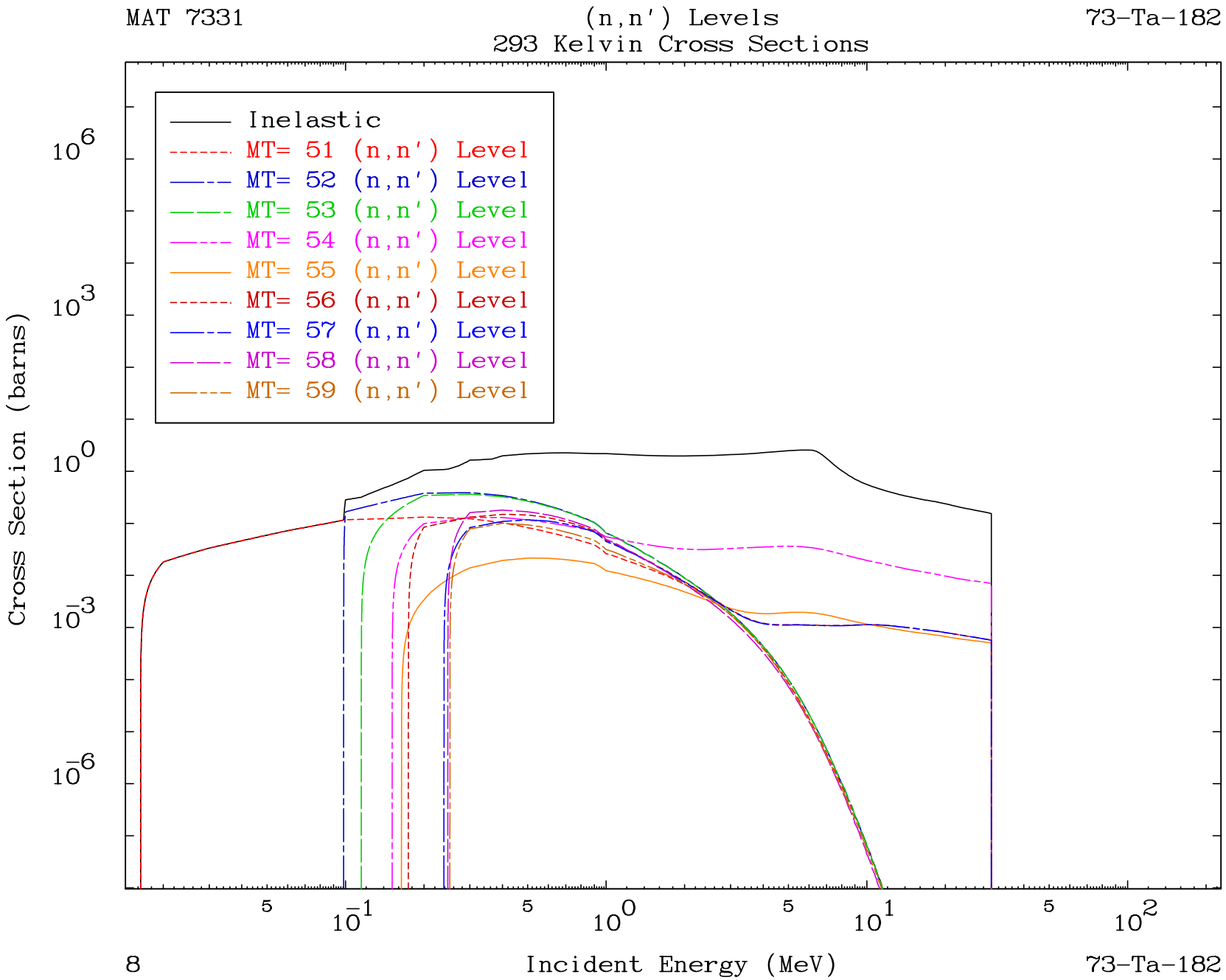

MAT 7331
Neutron Absorption
293 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
10^4
10^2
10^0
10^-2
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
73-Ta-182

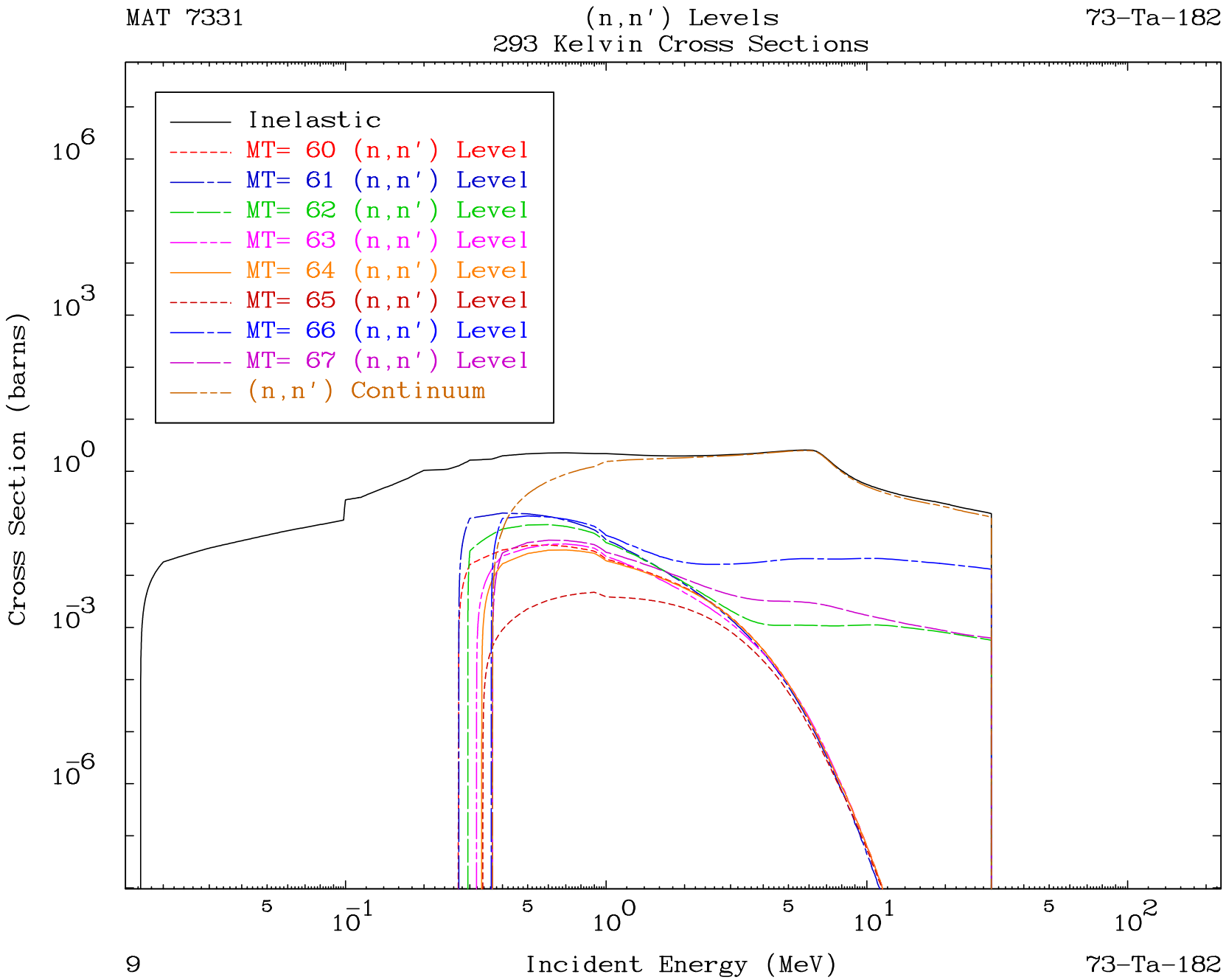

MAT 7331
Neutron Absorption
293 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production

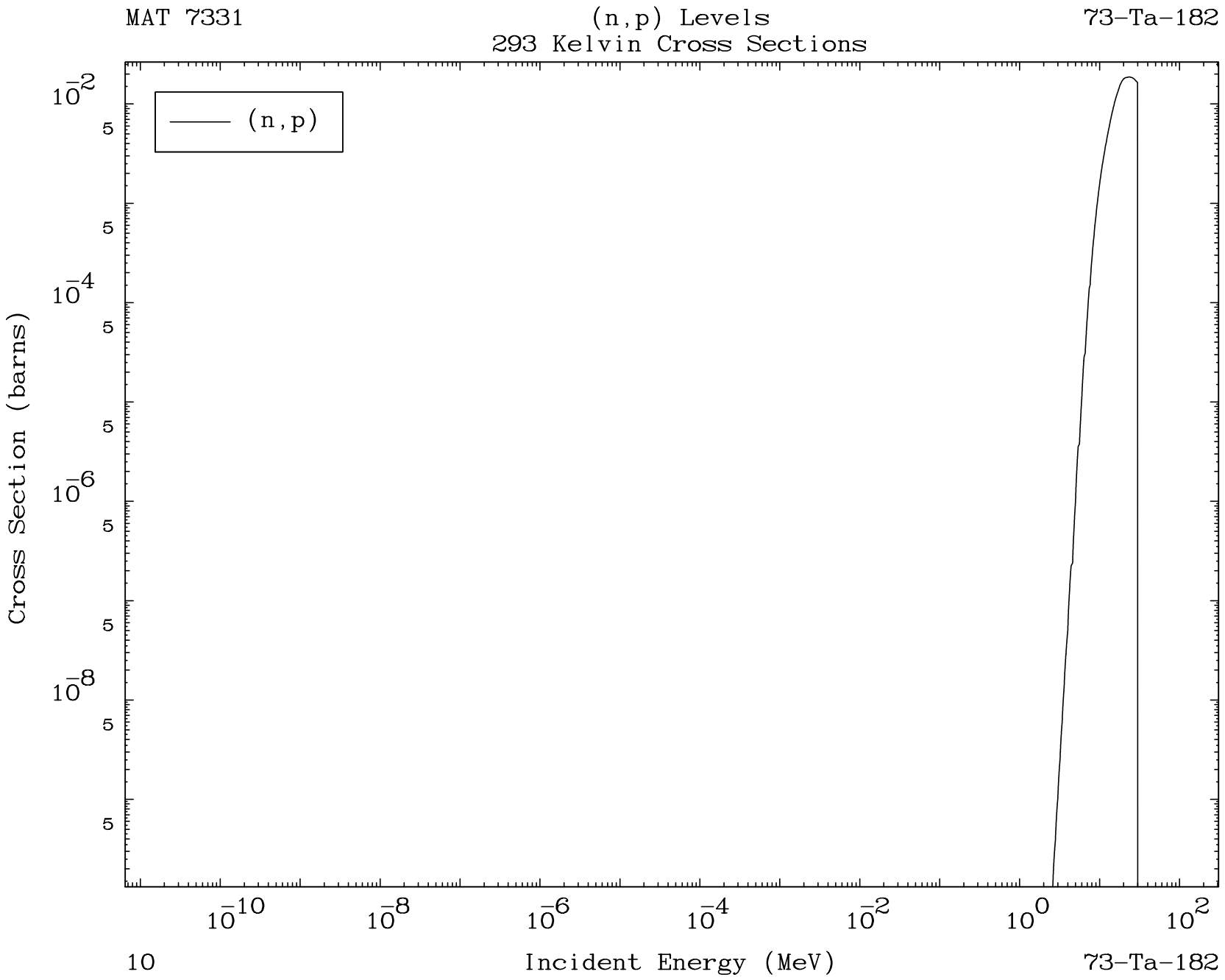

MAT 7331
Charged Particle
73-Ta-182
293 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182

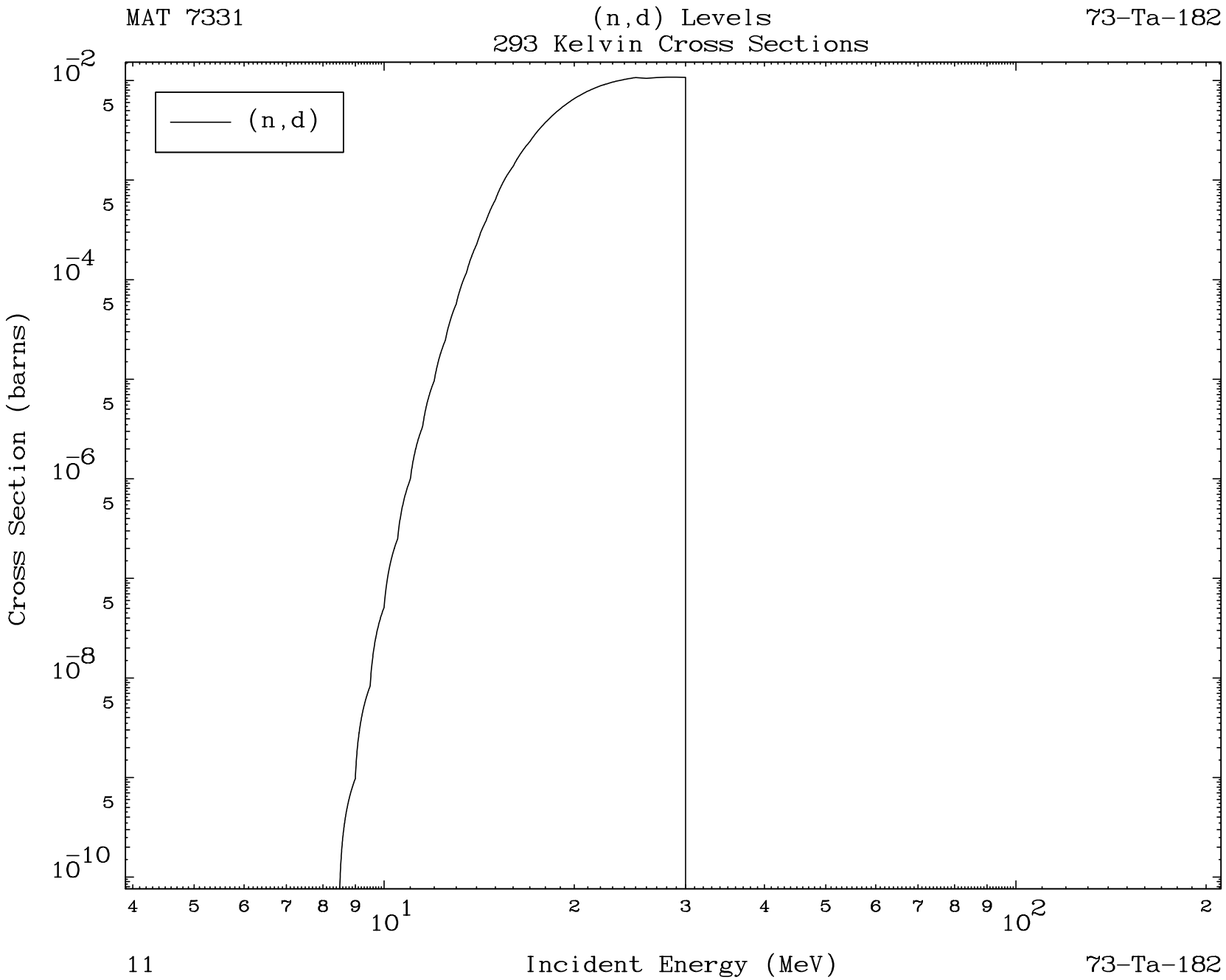

MAT 7331
Charged Particle
293 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
6
73-Ta-182

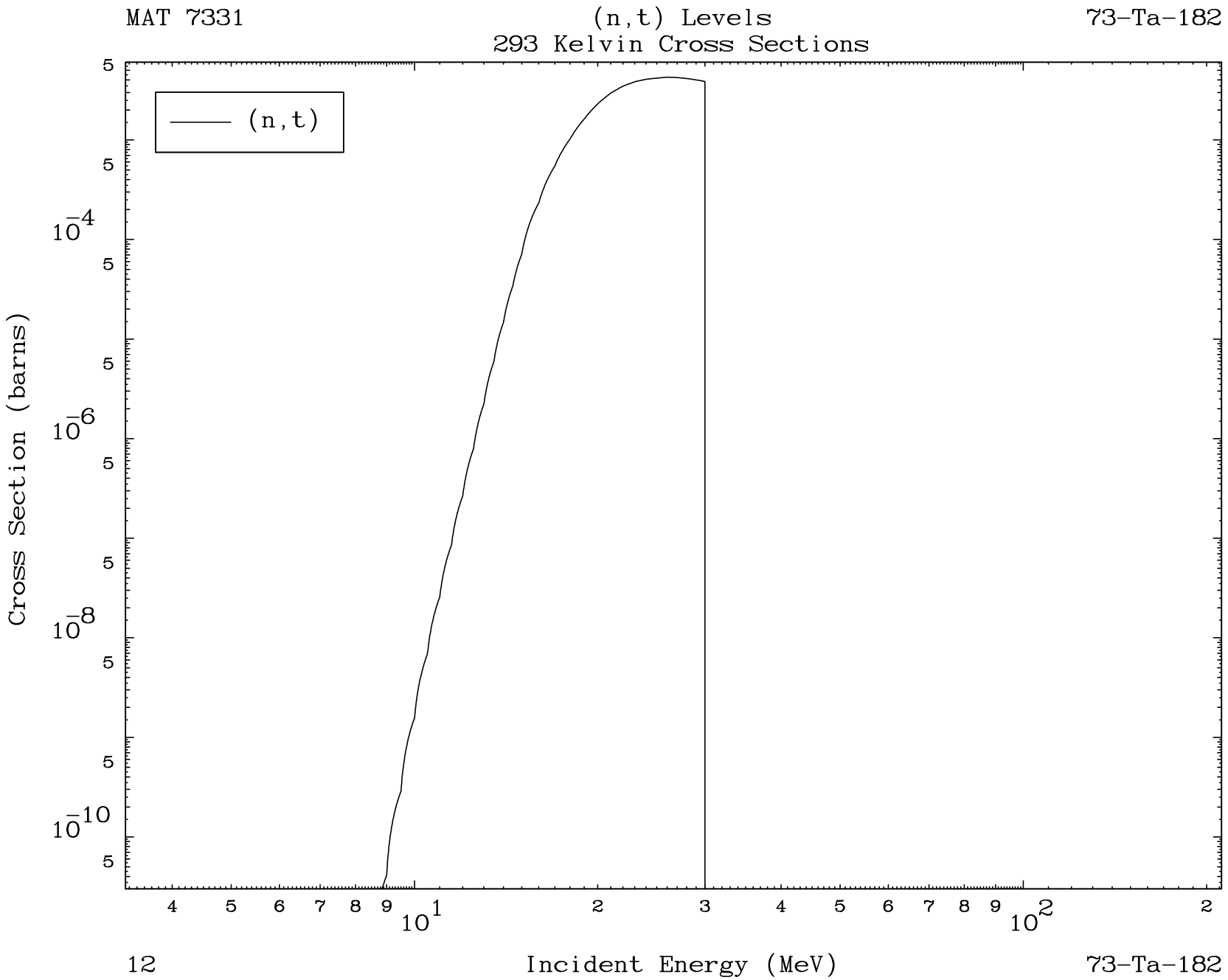

MAT 7331
Particle Production
293 Kelvin Cross Sections
73-Ta-182
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

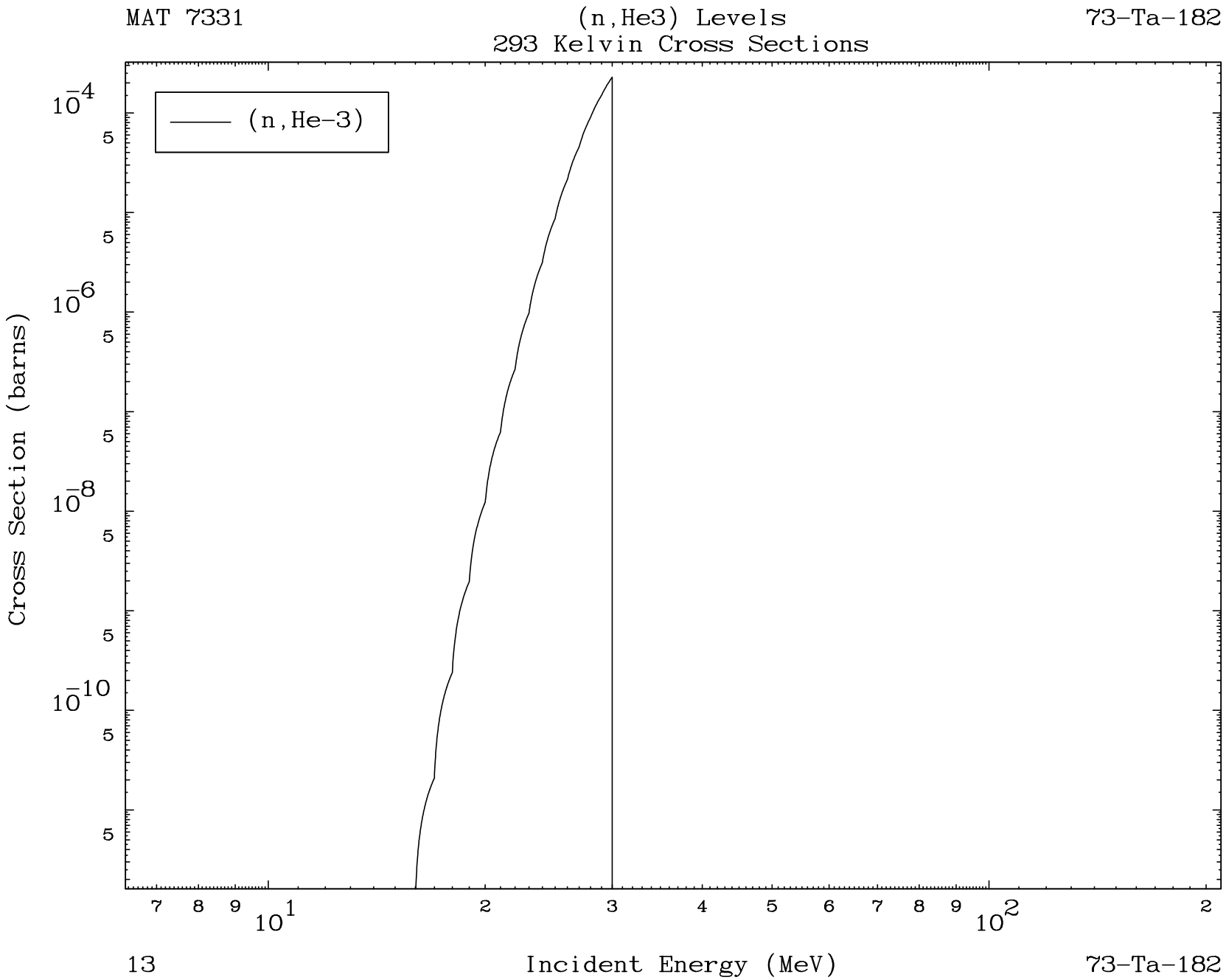

MAT 7331
(n,n') Levels
293 Kelvin Cross Sections
73-Ta-182
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
5
10^-1
5
10^0
5
10^1
5
10^2
Incident Energy (MeV)
8
73-Ta-182

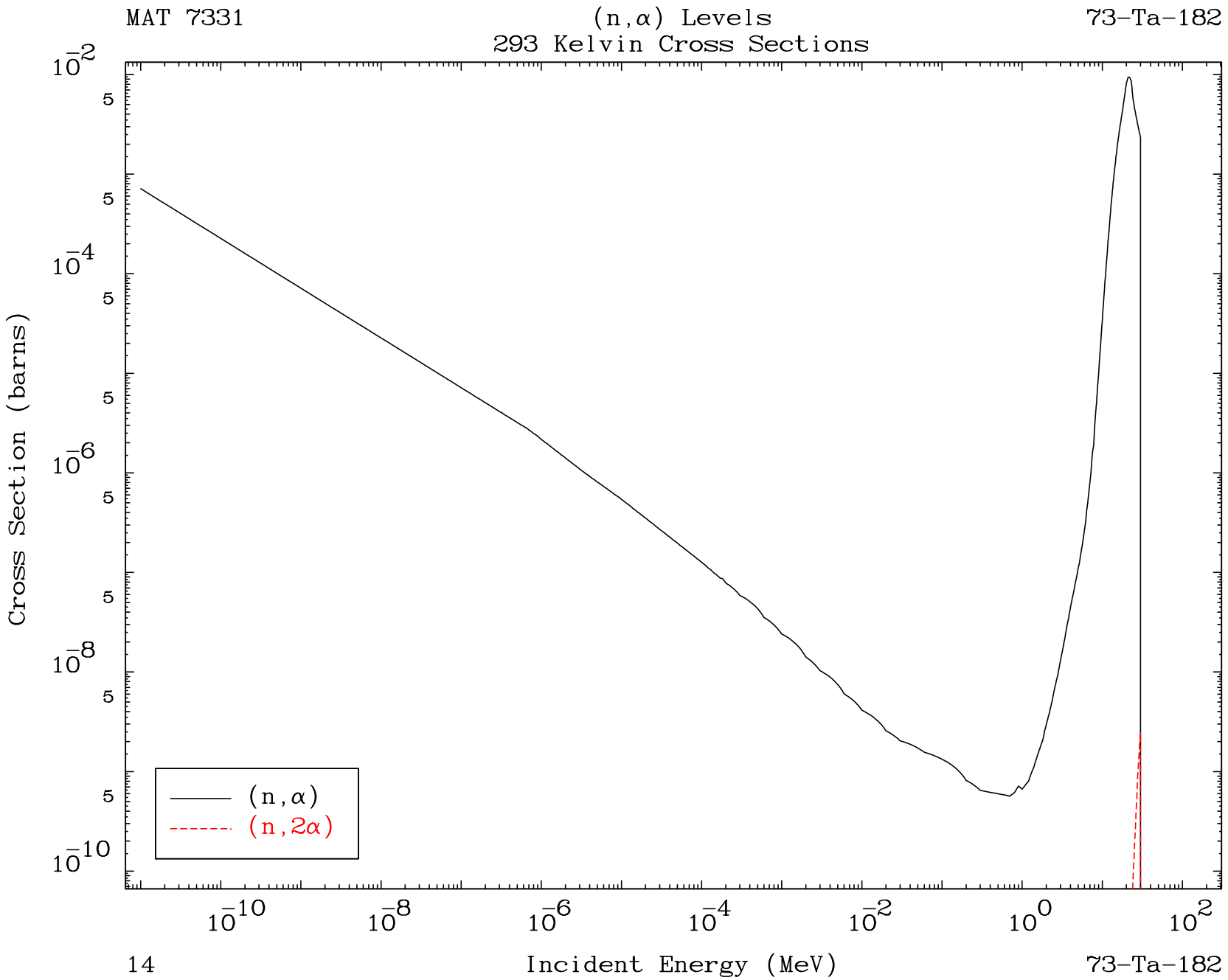

MAT 7331
(n,n') Levels
293 Kelvin Cross Sections
73-Ta-182
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
5
10^-1
5
10^0
5
10^1
5
10^2
Incident Energy (MeV)
9
73-Ta-182

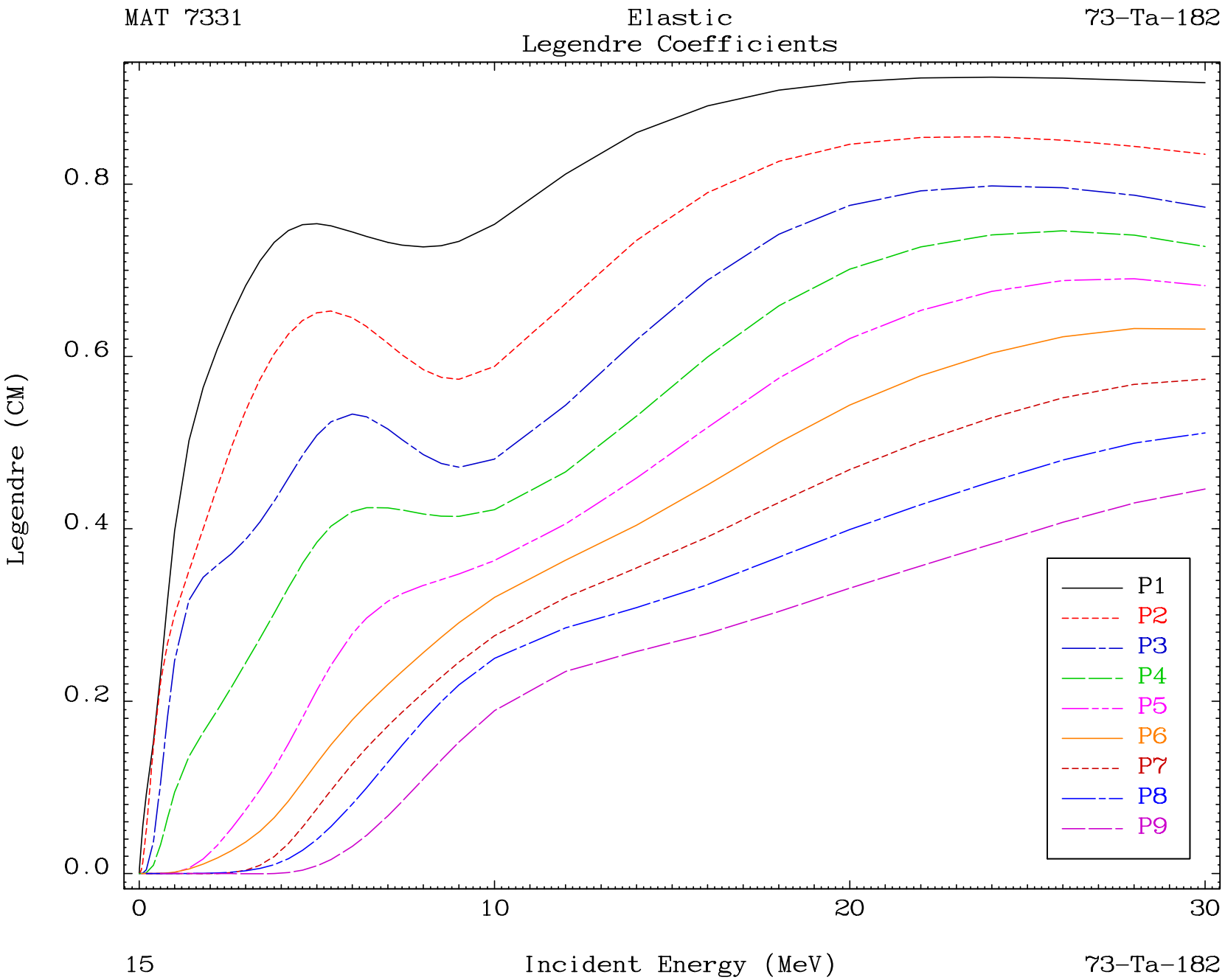

MAT 7331
(n,p) Levels
73-Ta-182
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
10

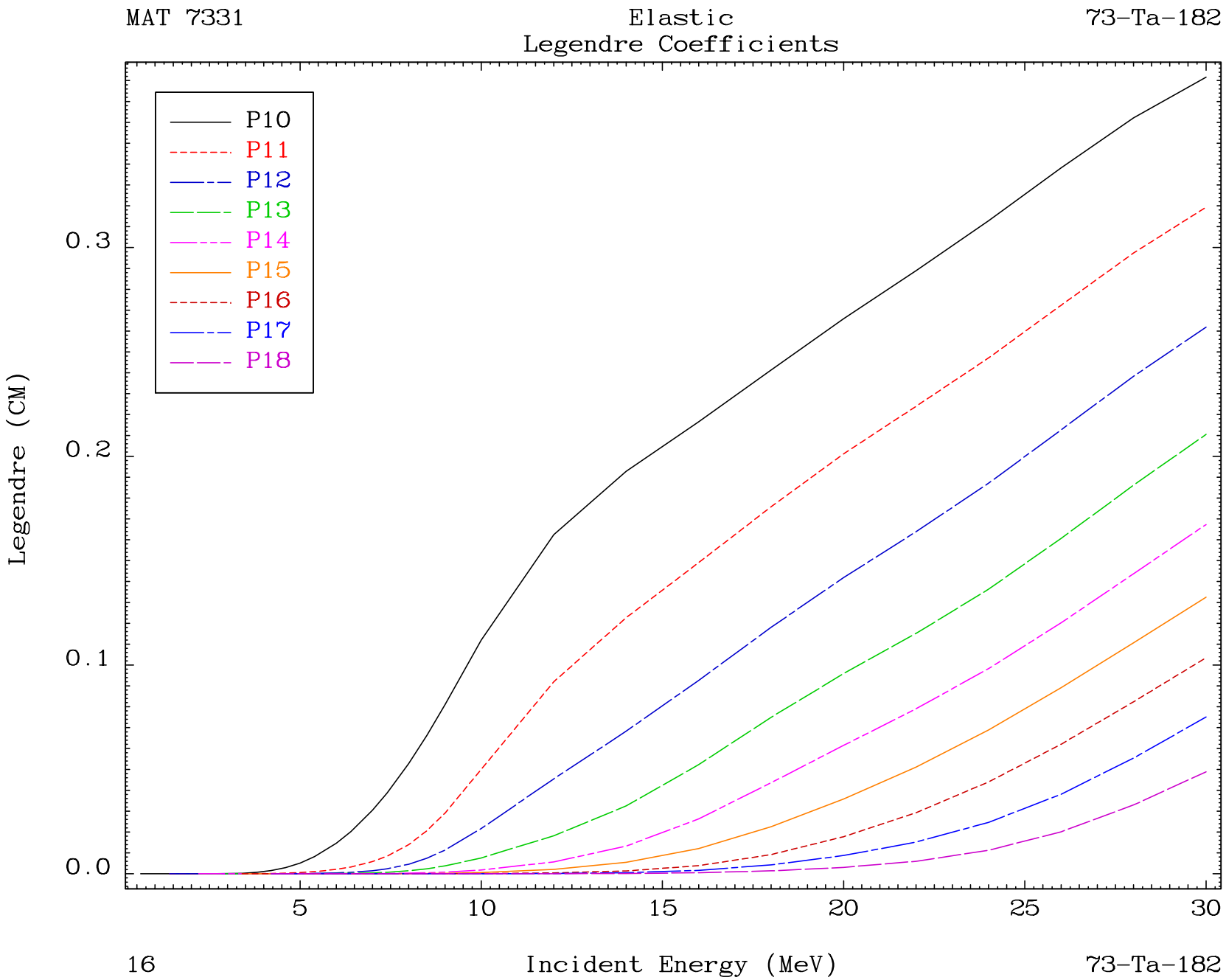

MAT 7331
(n,d) Levels
73-Ta-182
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
73-Ta-182

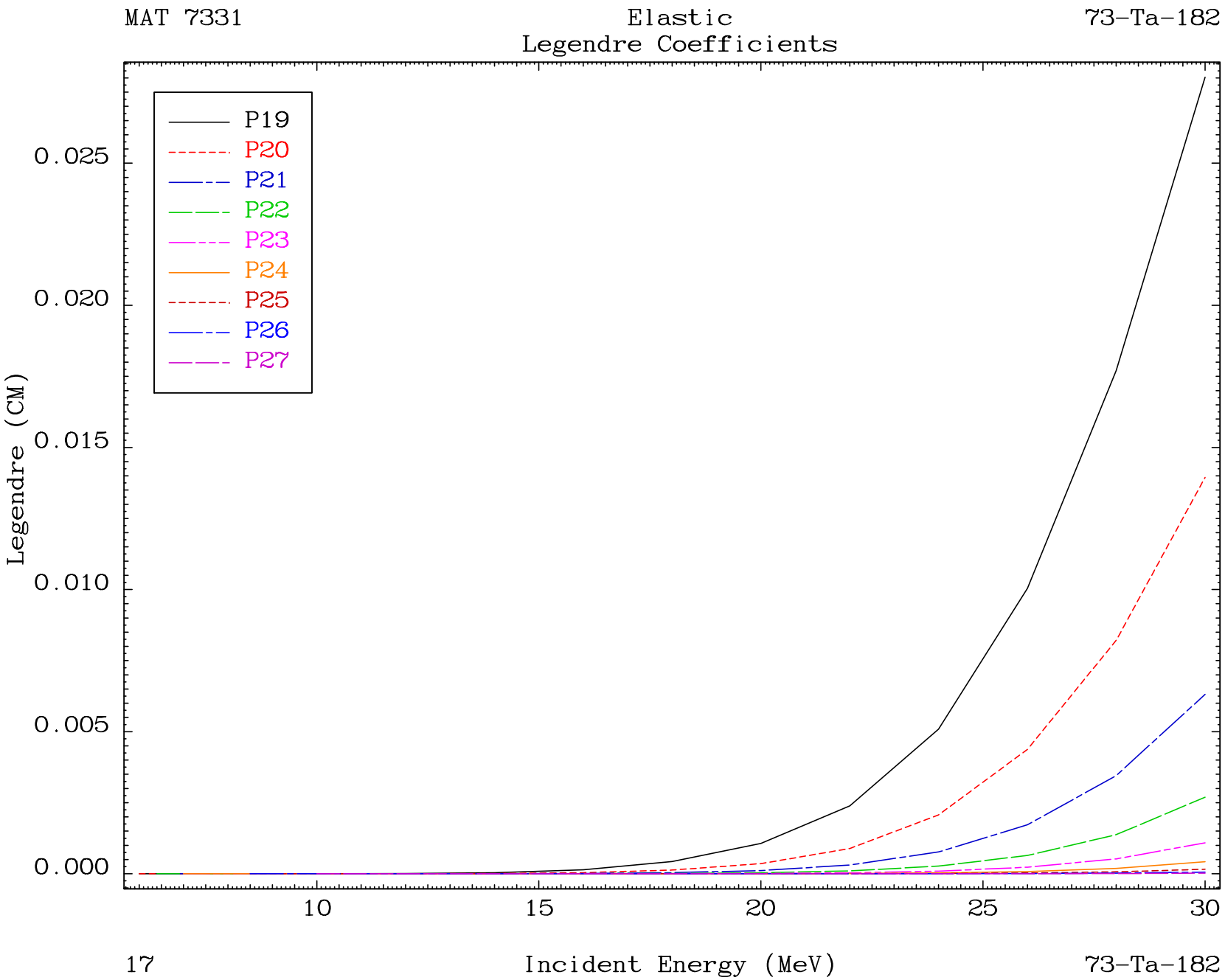

MAT 7331
(n,t) Levels
73-Ta-182
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-182

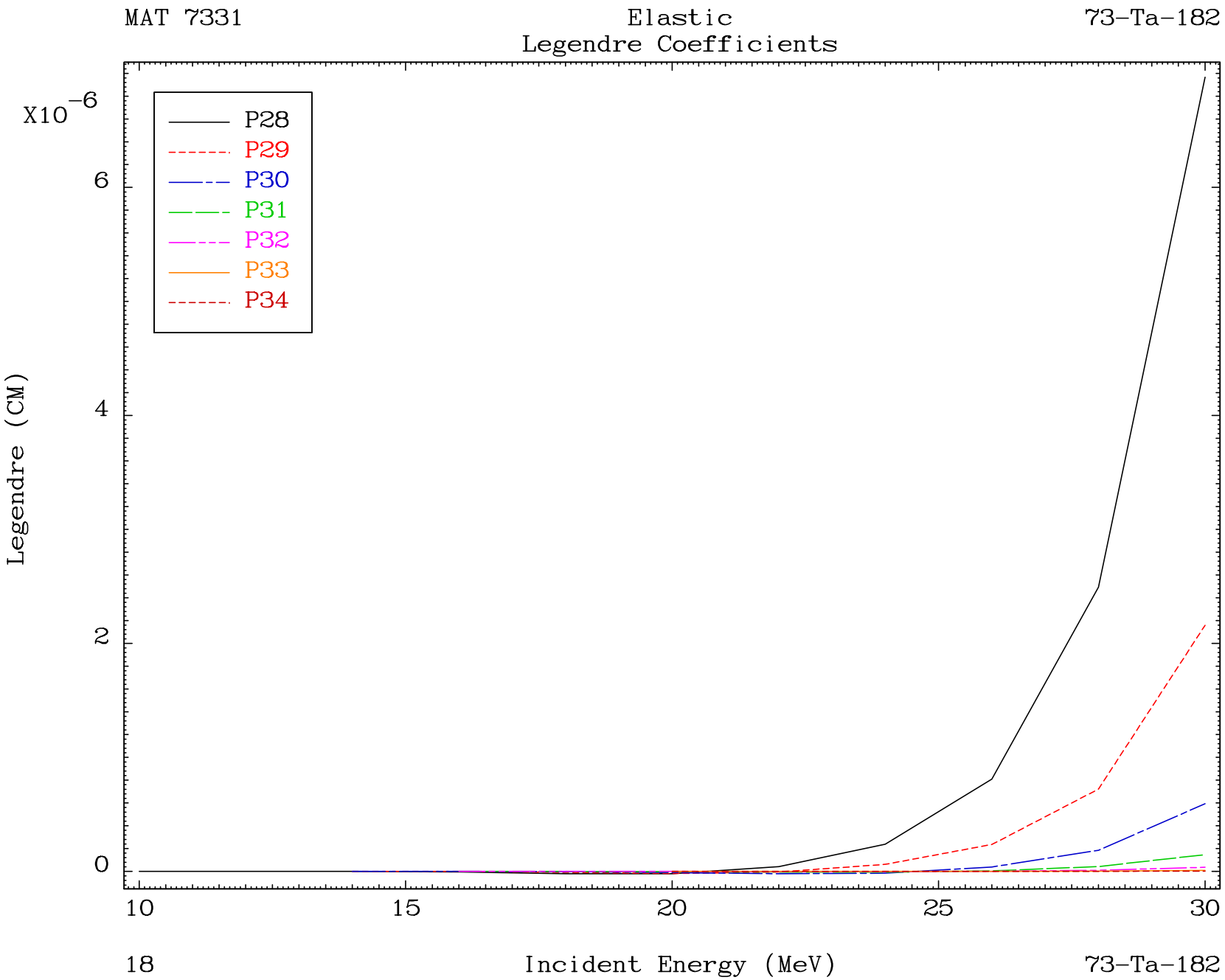

MAT 7331
(n,He3) Levels
73-Ta-182
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
73-Ta-182

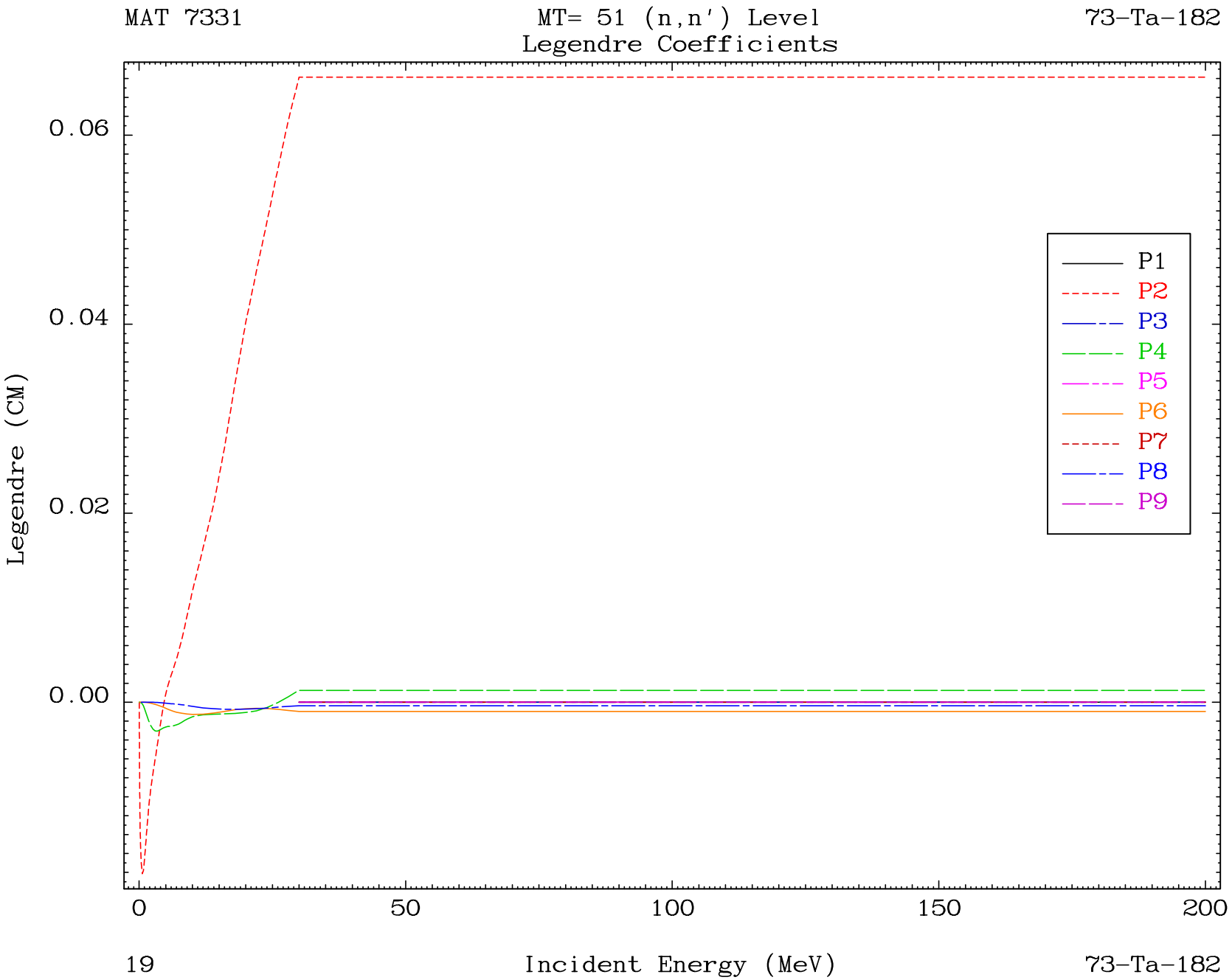

MAT 7331
(n,α) Levels
73-Ta-182
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,α)
(n,2α)
14
73-Ta-182

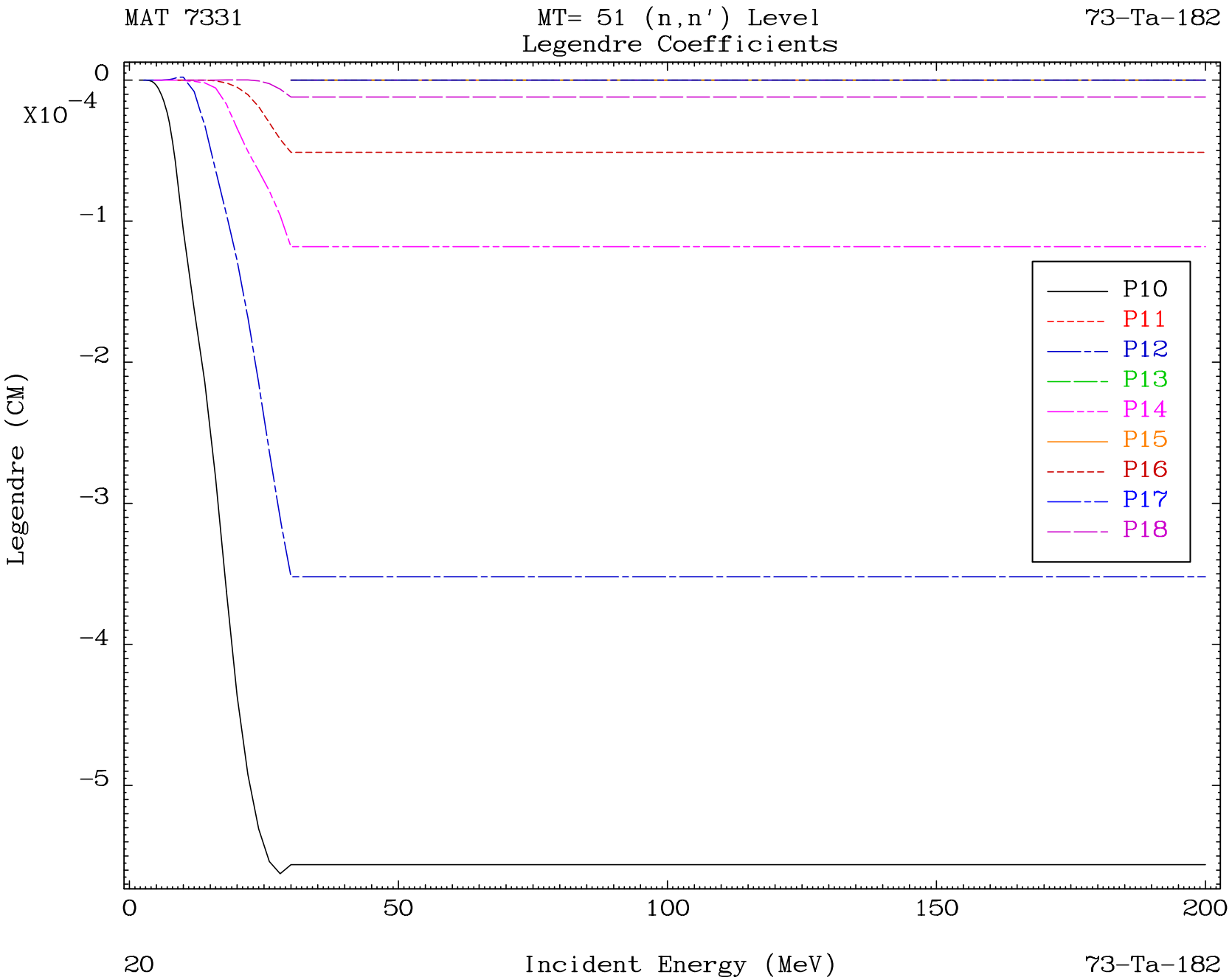

MAT 7331
Elastic
Legendre Coefficients
73-Ta-182
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9

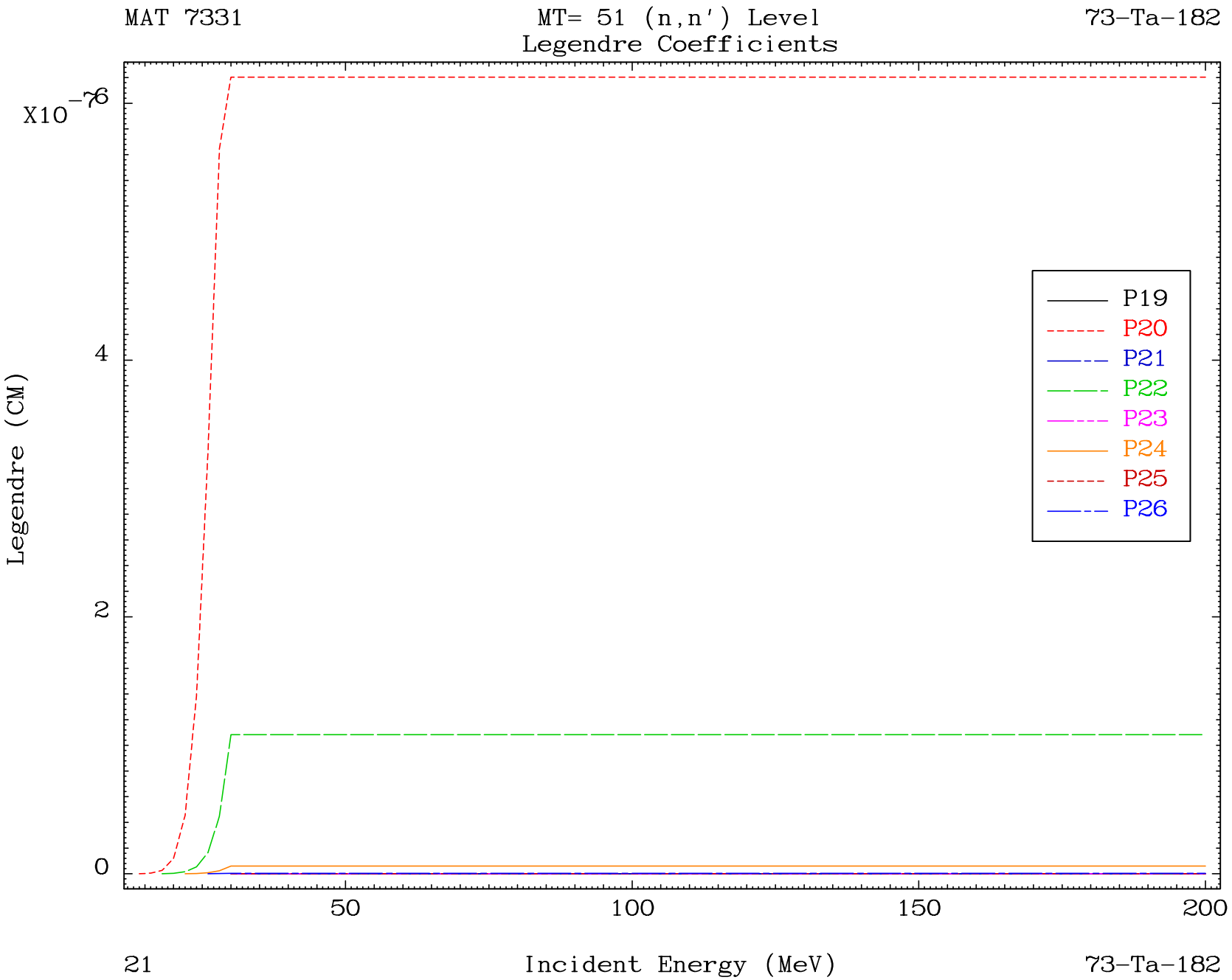

MAT 7331
Elastic
Legendre Coefficients
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
16
Incident Energy (MeV)
73-Ta-182

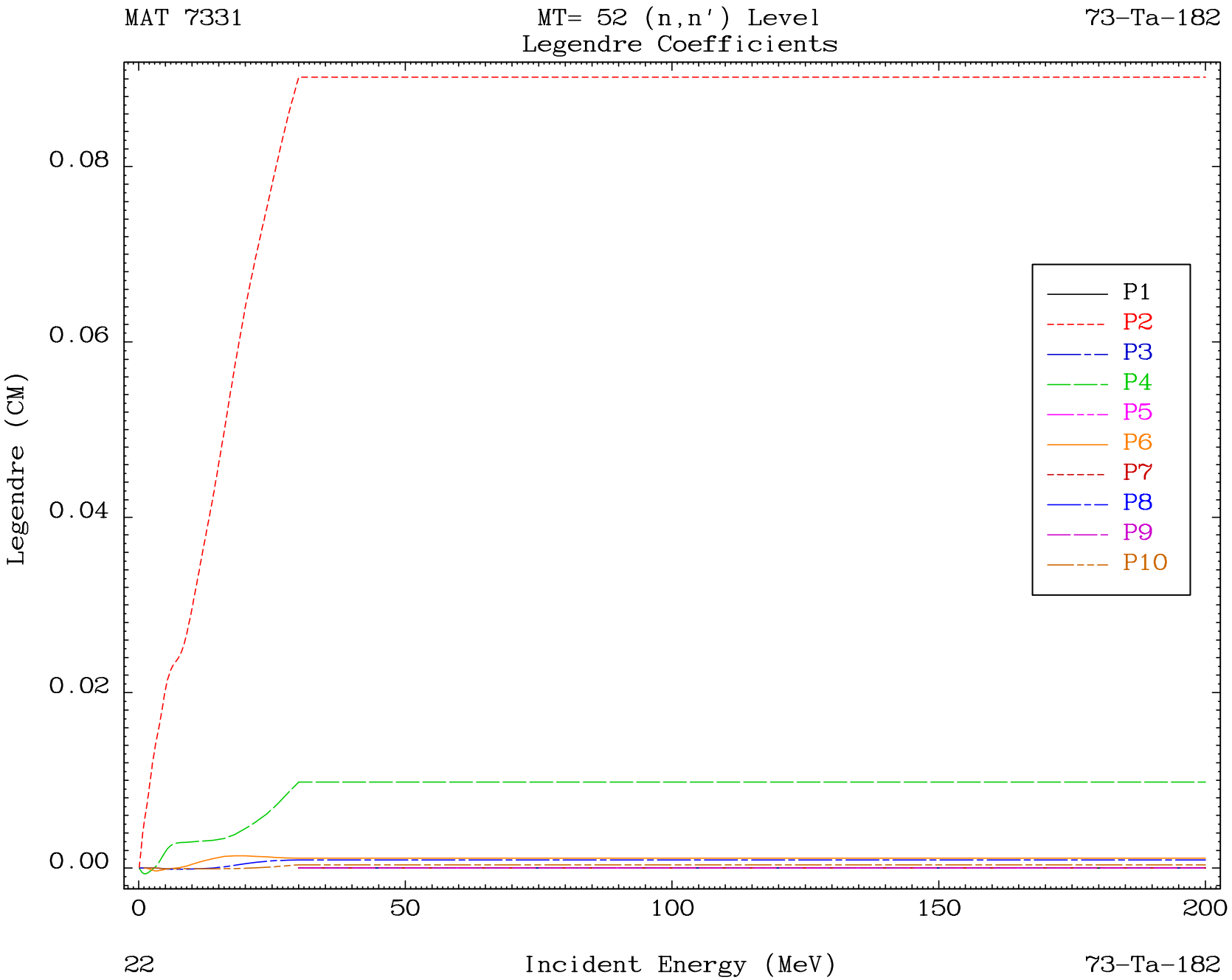

MAT 7331
Elastic
Legendre Coefficients
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.025
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
73-Ta-182

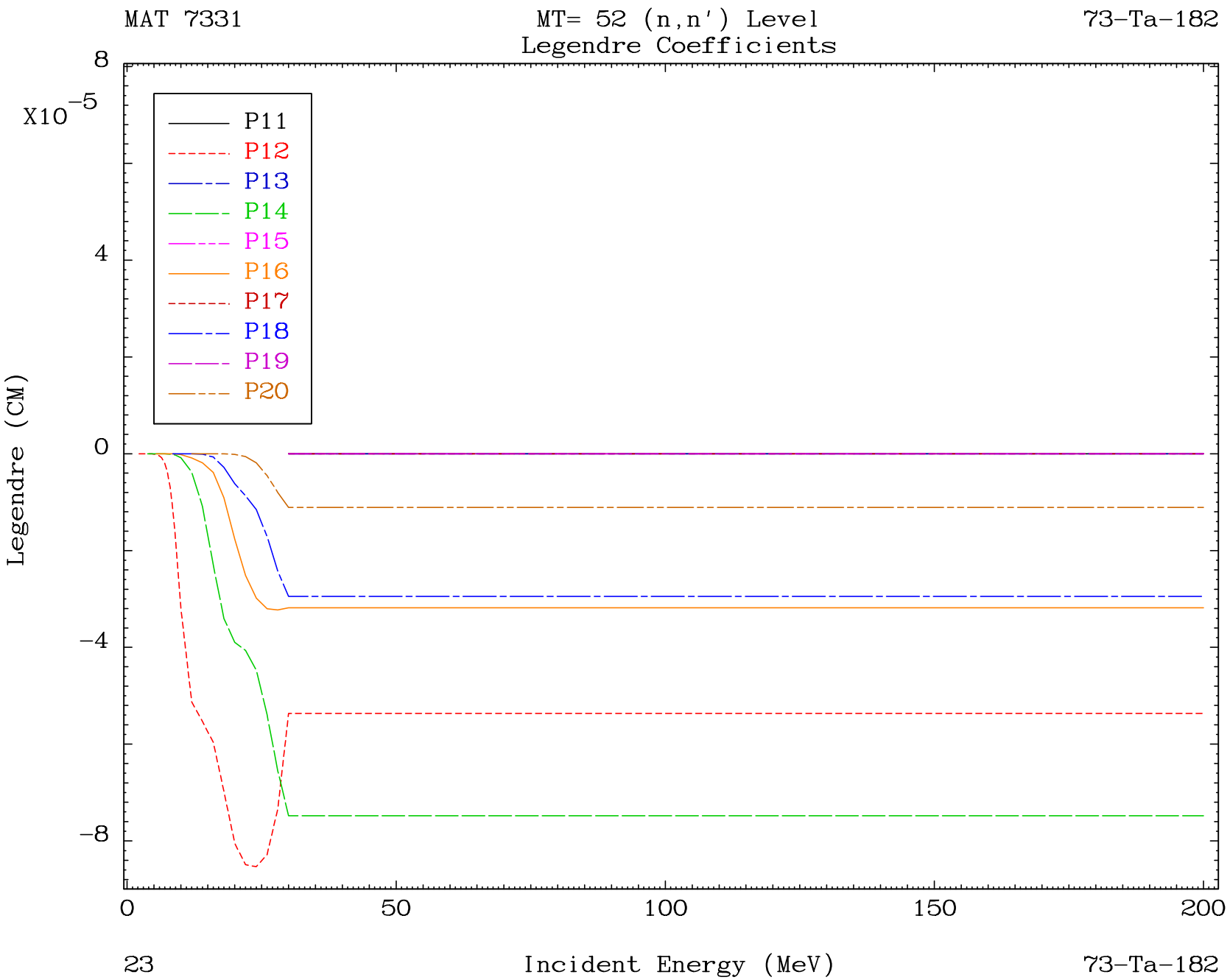

MAT 7331
Elastic
Legendre Coefficients
73-Ta-182
X10 −6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
18
Incident Energy (MeV)
73-Ta-182

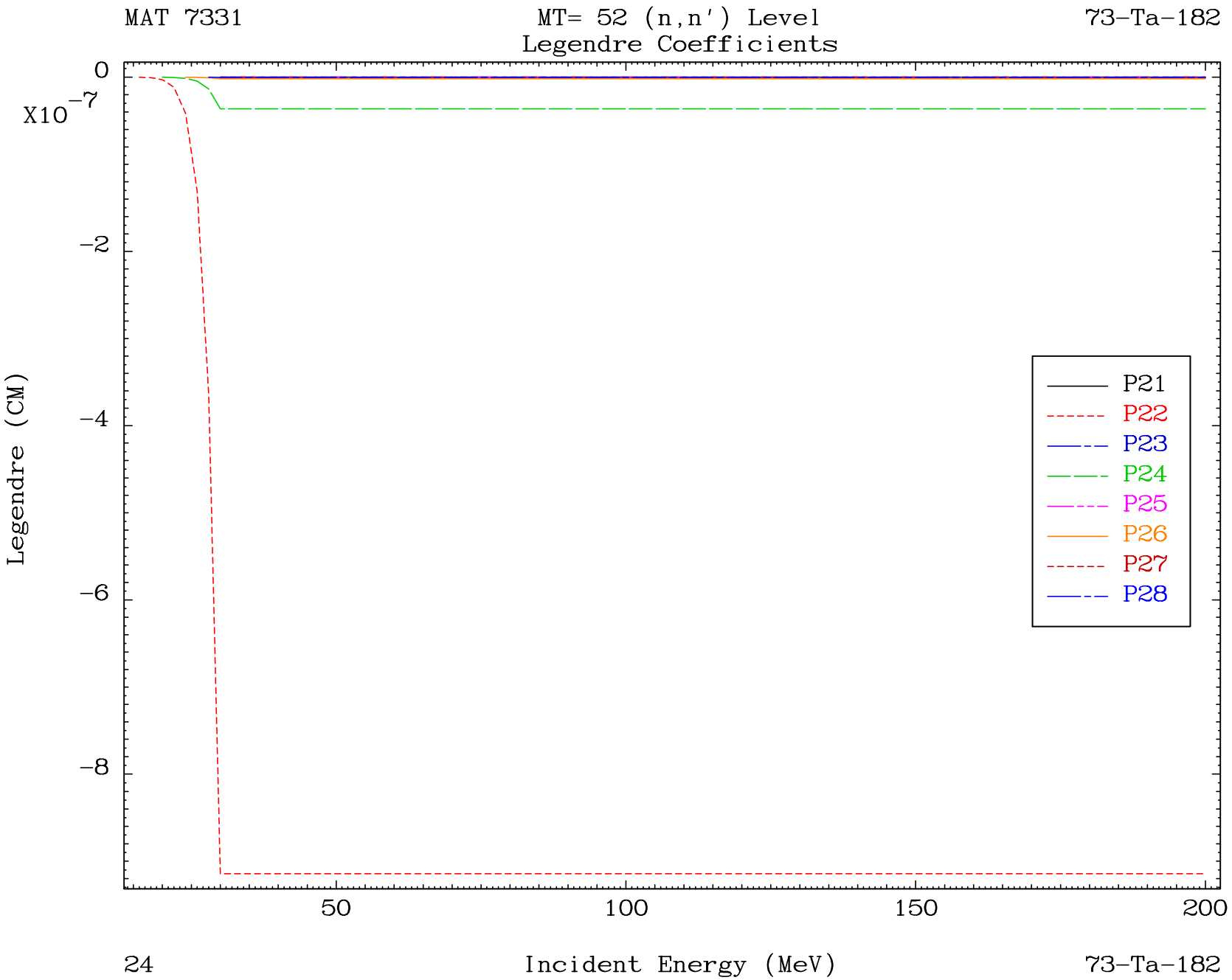

MAT 7331
MT= 51 (n,n') Level
Legendre Coefficients
73-Ta-182
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
19
Incident Energy (MeV)
73-Ta-182

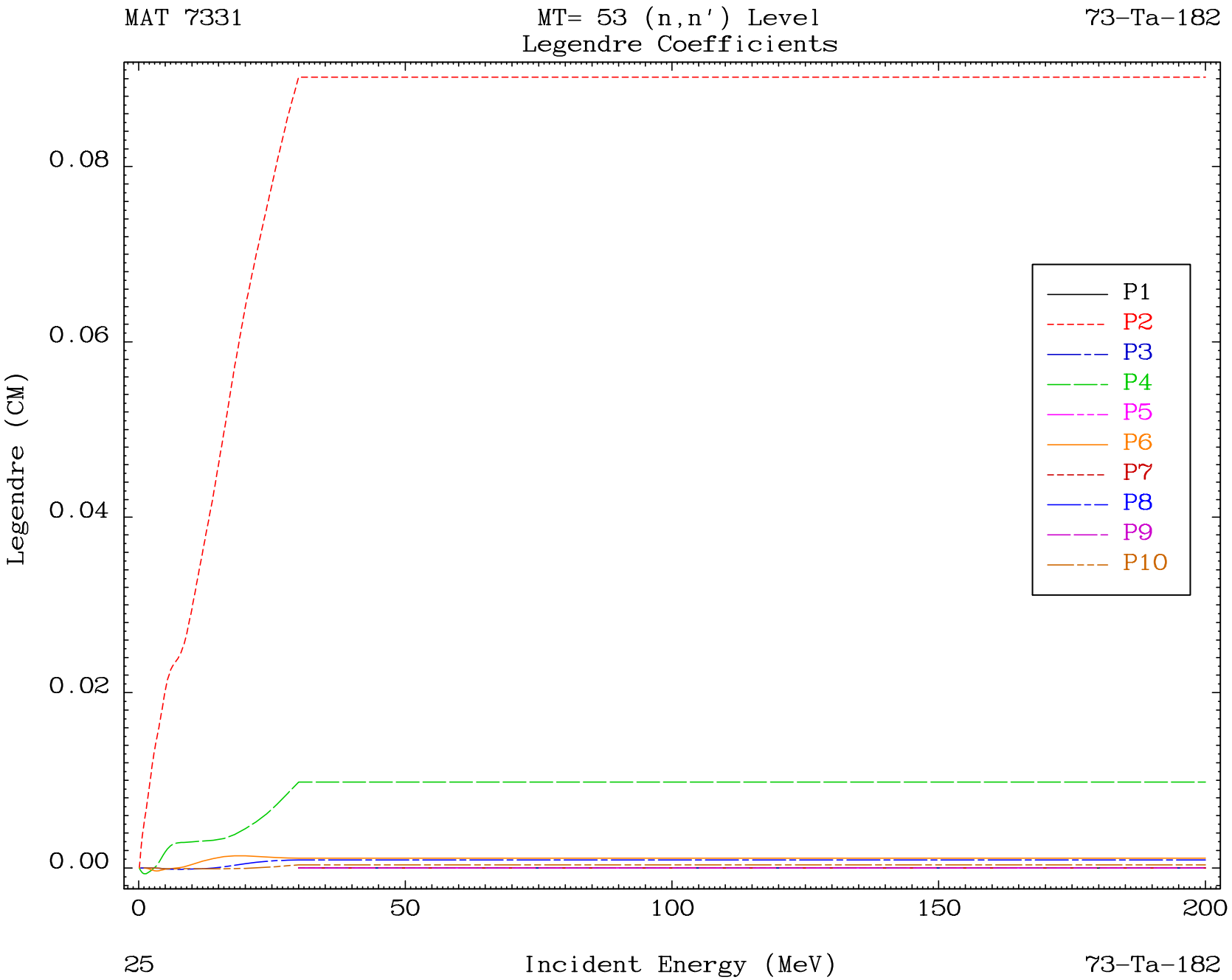

MAT 7331
MT= 51 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
0
-1
-2
-3
-4
-5
Legendre (CM)
0
50
100
150
200
20
Incident Energy (MeV)
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18

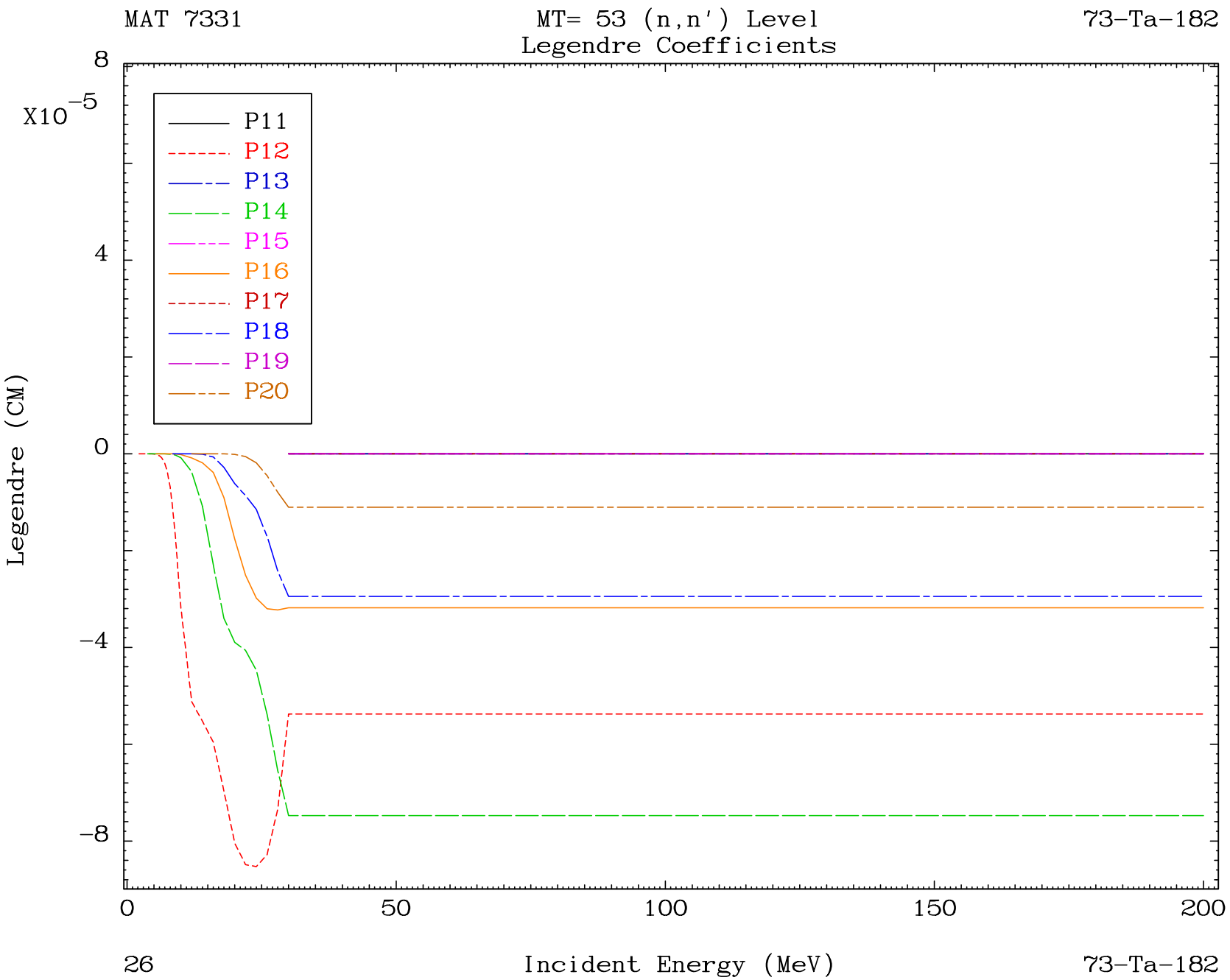

MAT 7331
MT= 51 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
21
Incident Energy (MeV)
73-Ta-182

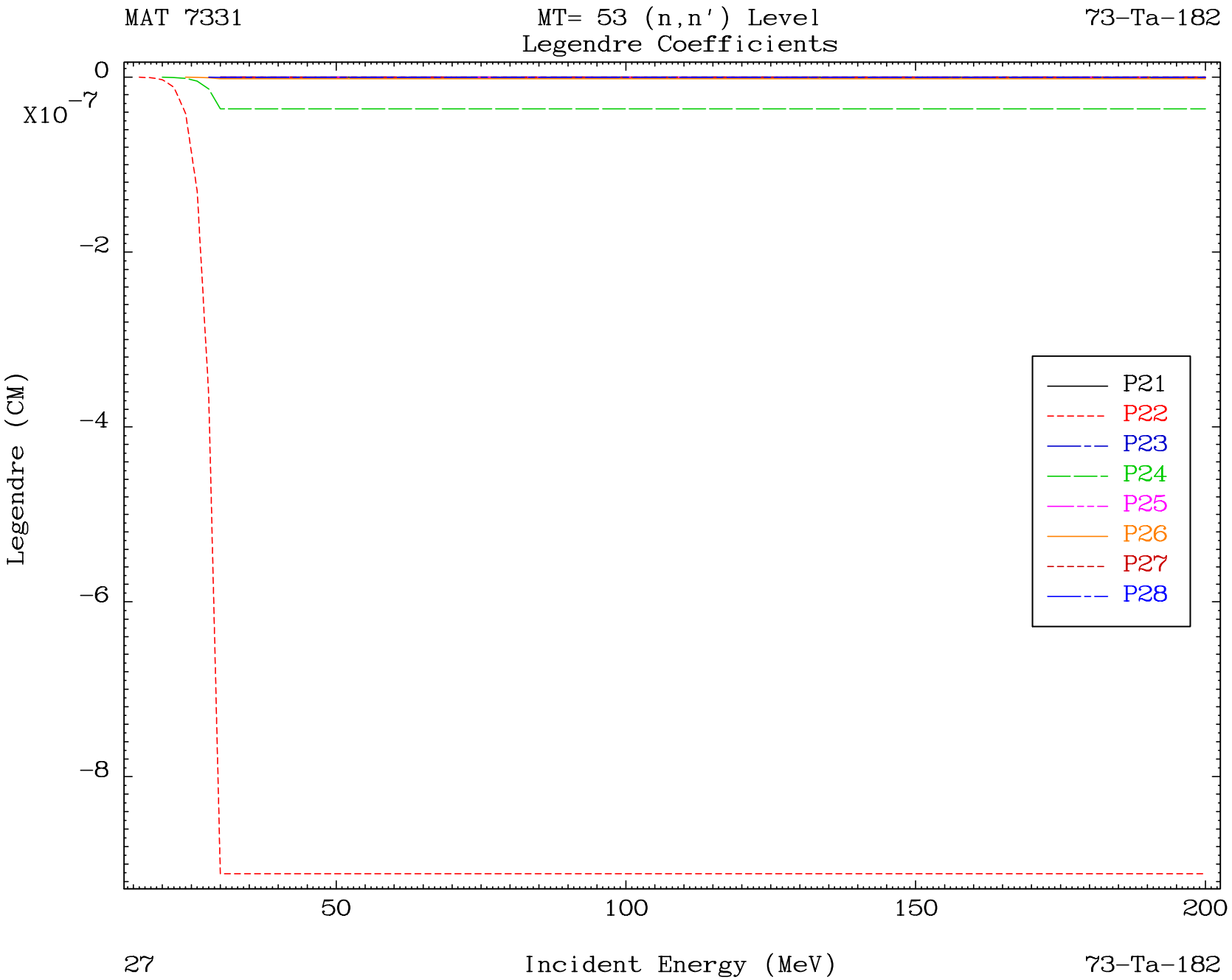

MAT 7331
MT= 52 (n,n') Level
Legendre Coefficients
73-Ta-182
Legendre (CM)
0.08
0.06
0.04
0.02
0.00
0
50
100
150
200
22
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

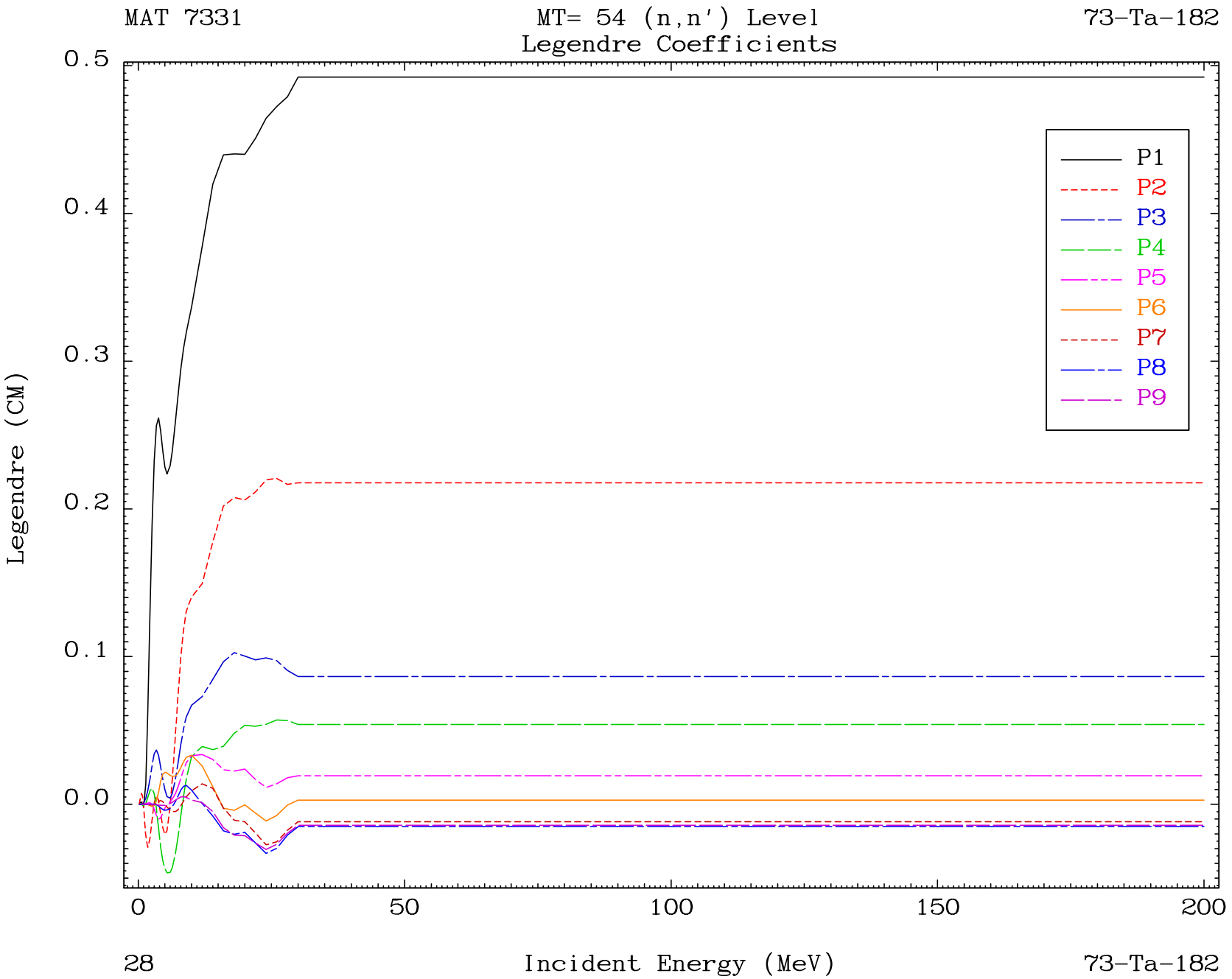

MAT 7331
MT= 52 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-5
8
4
0
-4
-8
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
Legendre (CM)
0
50
100
150
200
23
Incident Energy (MeV)
73-Ta-182

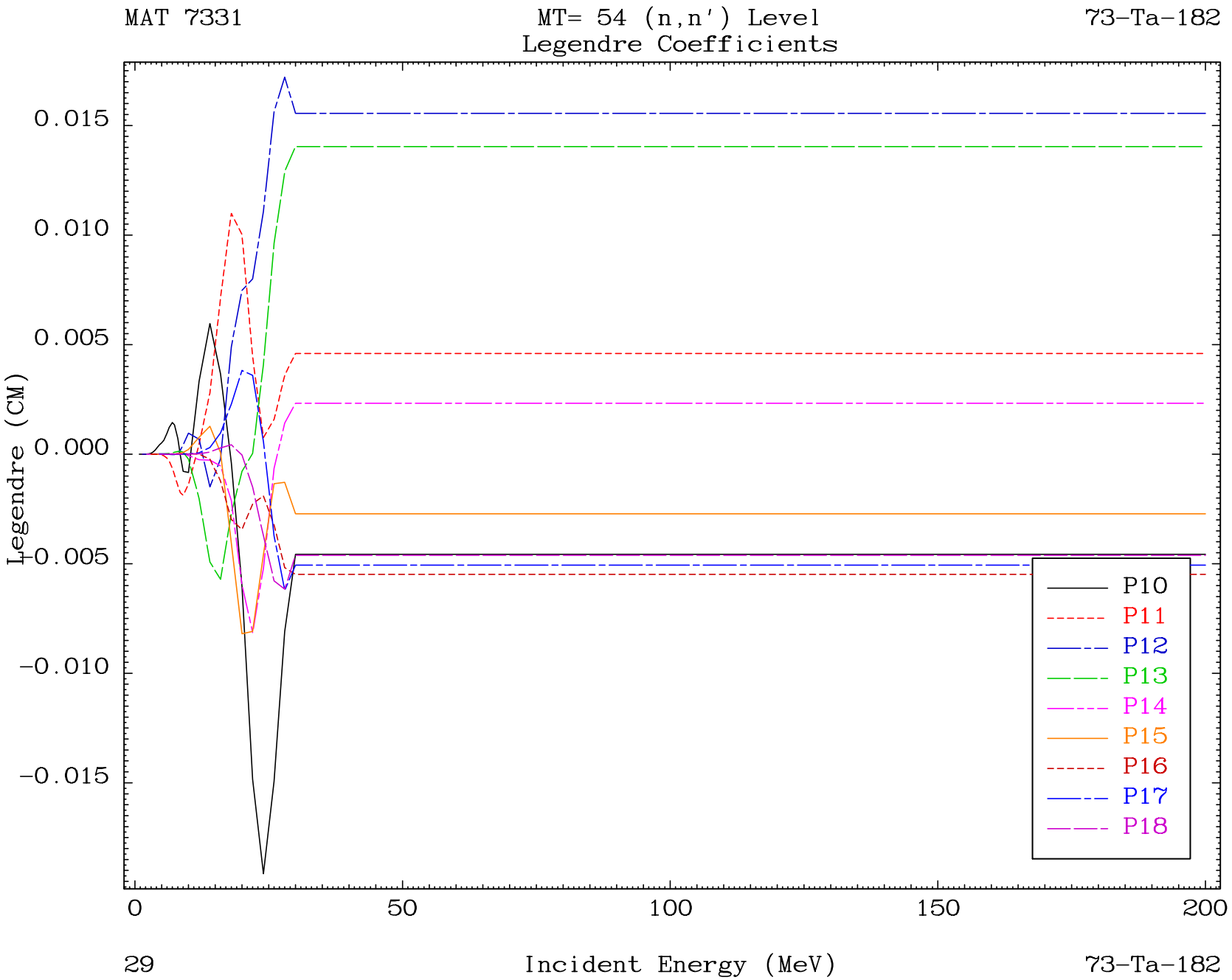

MAT 7331
MT= 52 (n,n') Level
Legendre Coefficients
73-Ta-182
0
X10-7
-2
-4
-6
-8
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
24
Incident Energy (MeV)
73-Ta-182

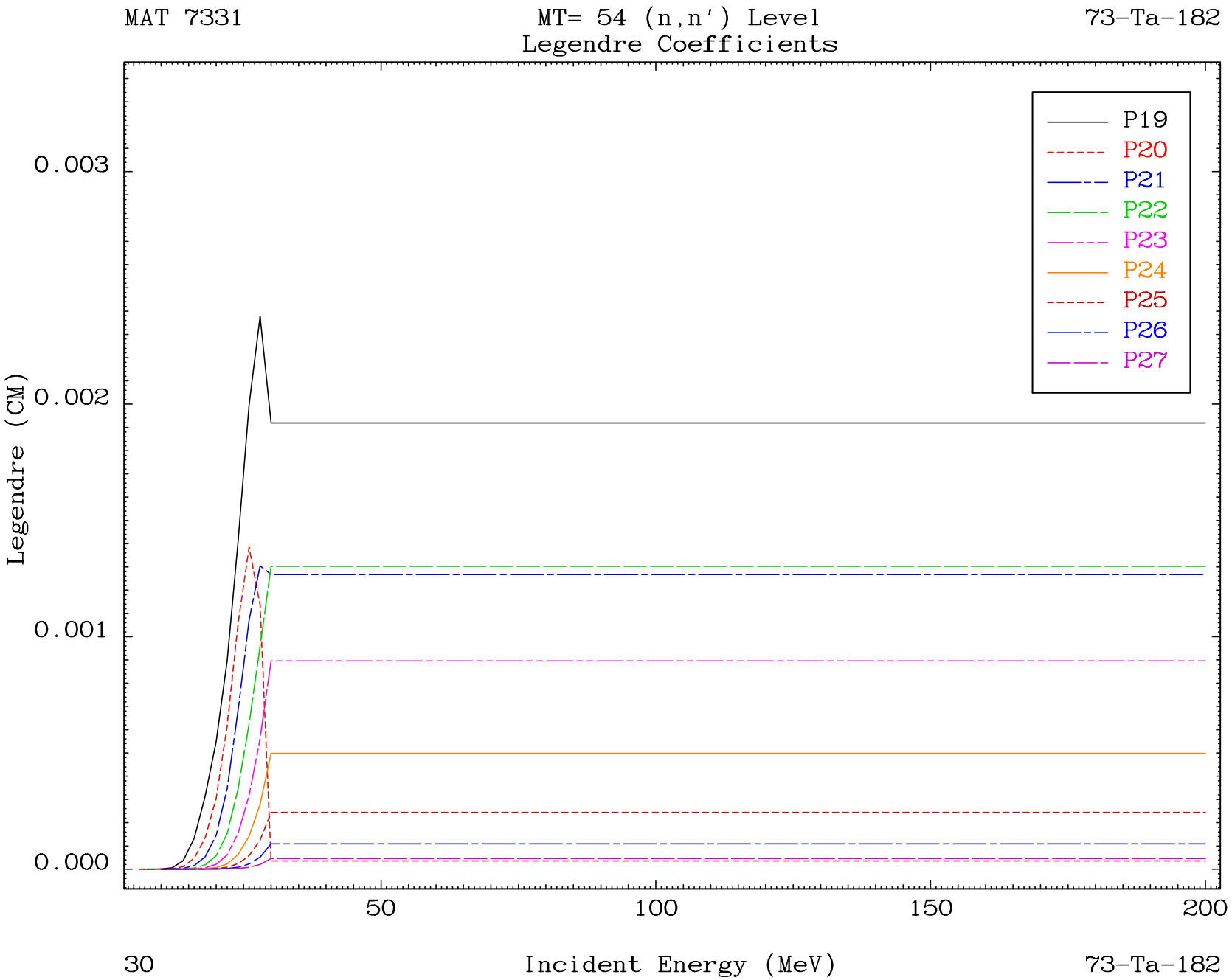

MAT 7331
MT= 53 (n,n') Level
Legendre Coefficients
73-Ta-182
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

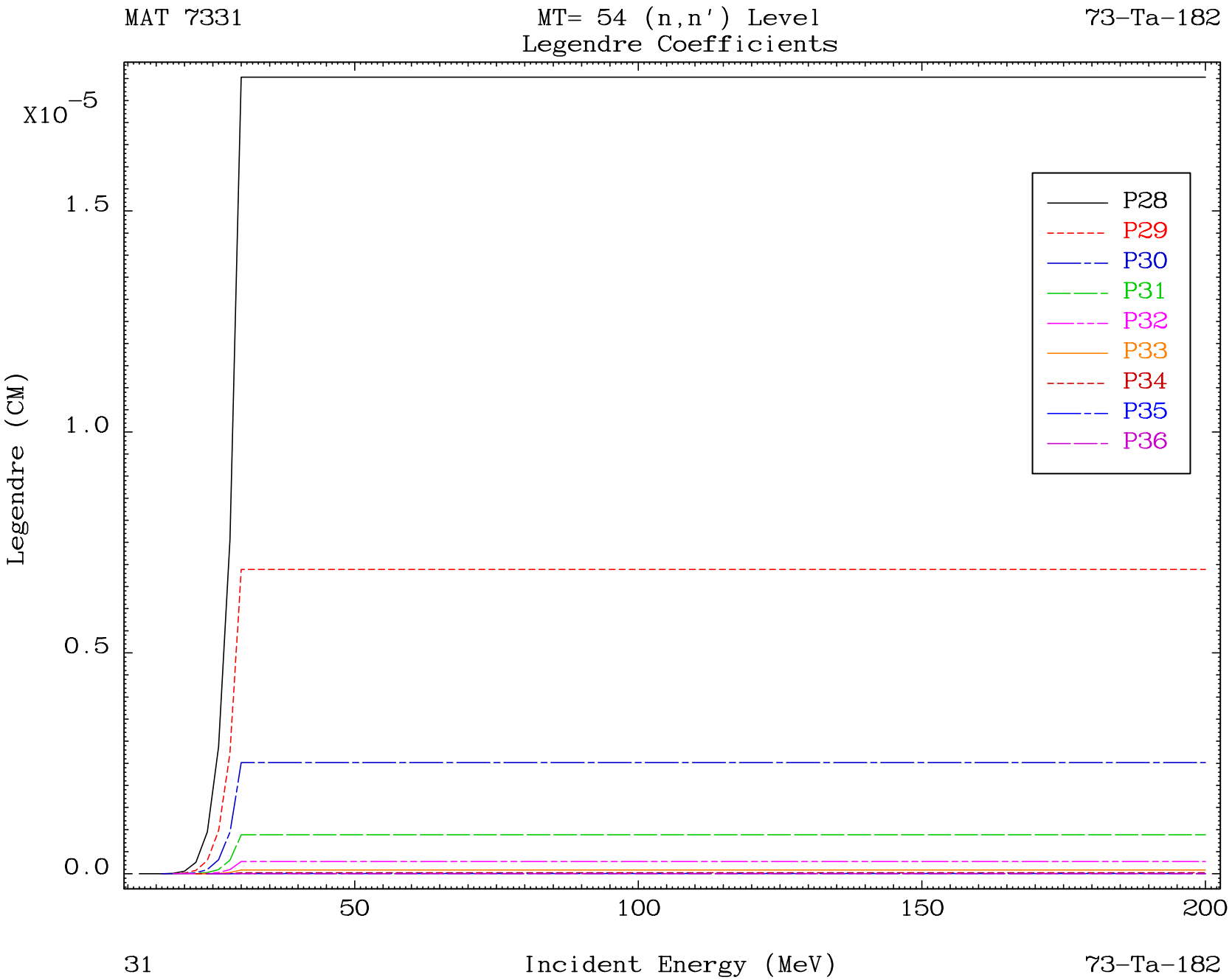

MAT 7331
MT= 53 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-5
8
4
0
-4
-8
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
Legendre (CM)
0
50
100
150
200
26
Incident Energy (MeV)
73-Ta-182

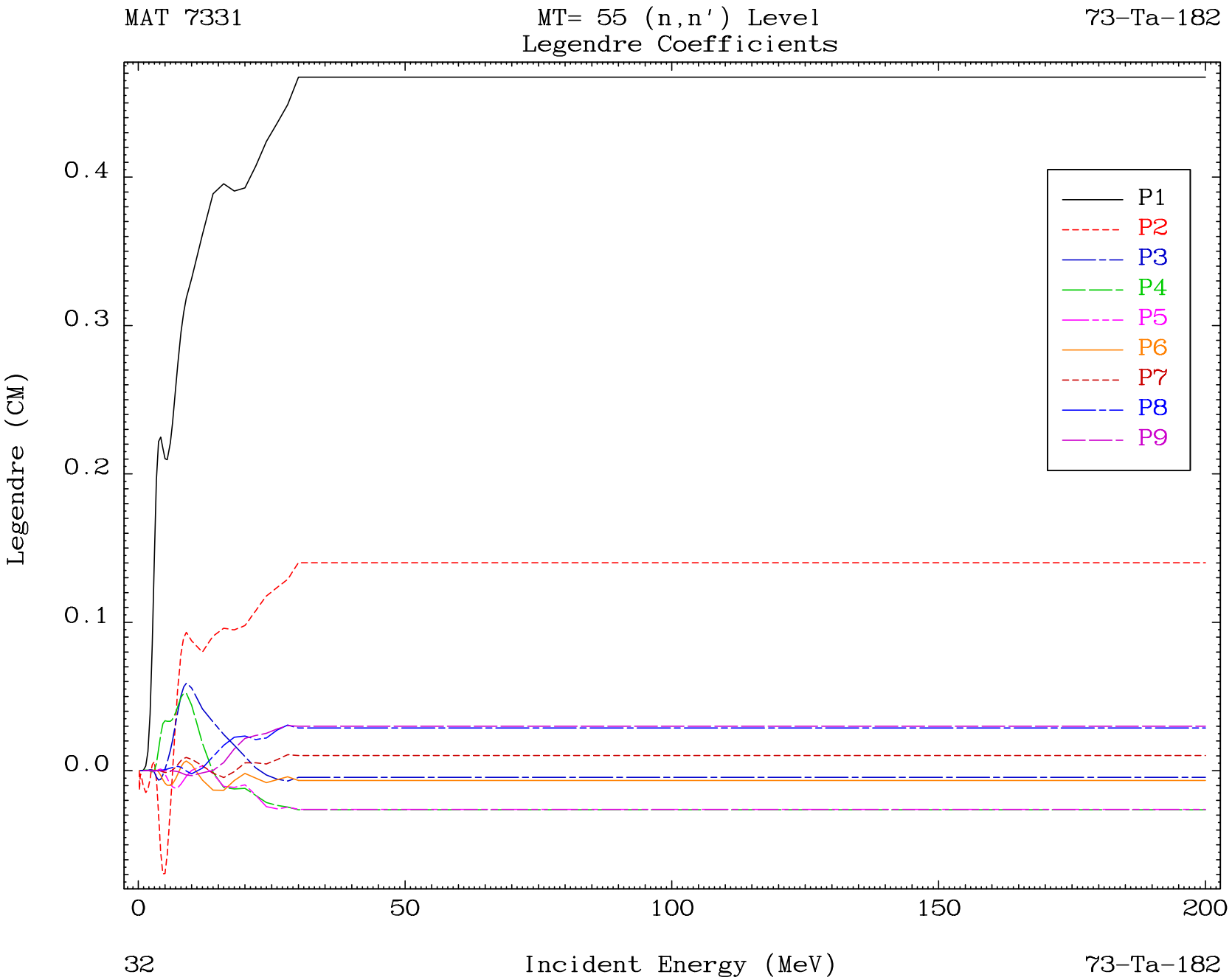

MAT 7331
MT= 53 (n,n') Level
Legendre Coefficients
73-Ta-182
0
X10-7
-2
-4
-6
-8
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
27
Incident Energy (MeV)
73-Ta-182

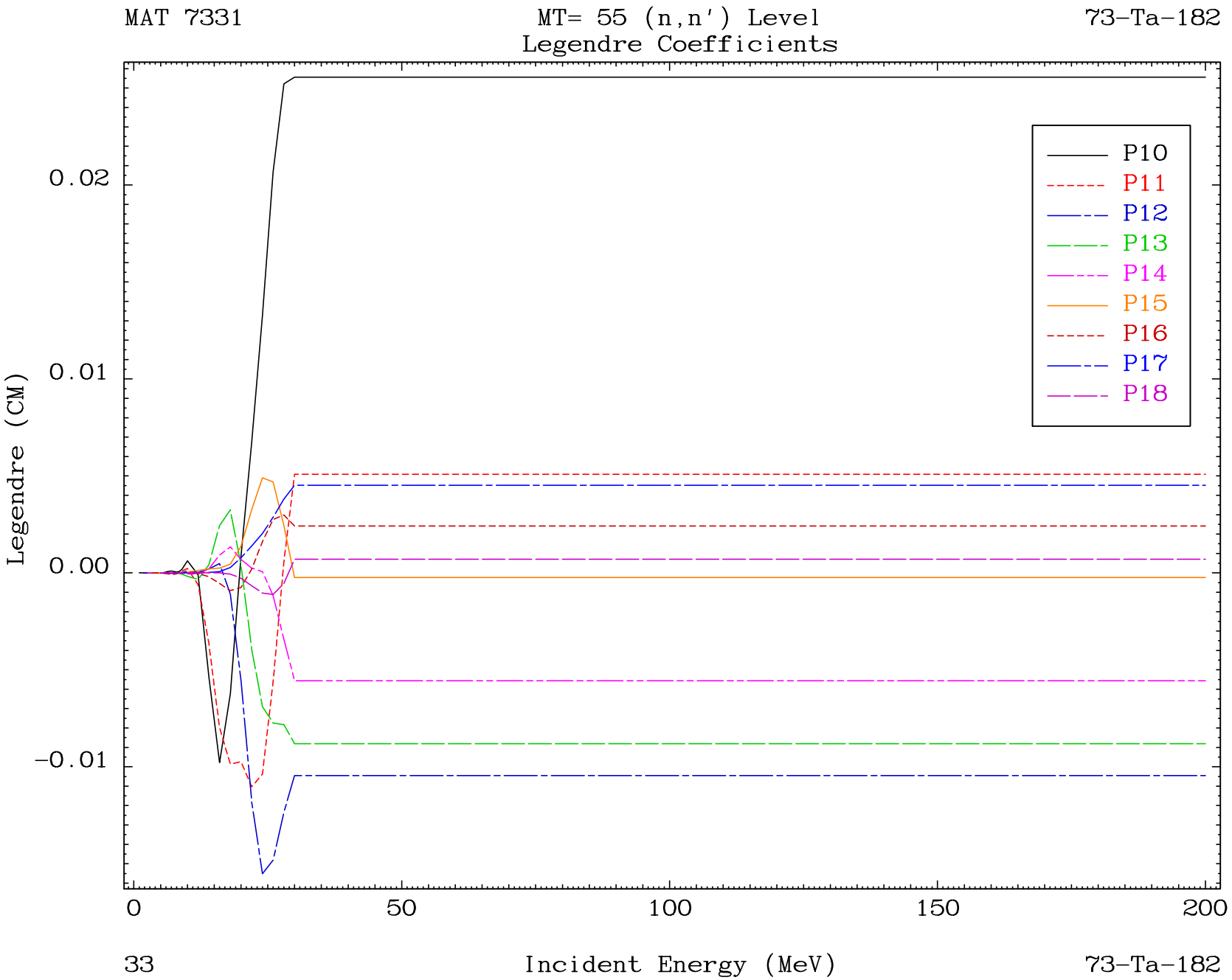

MAT 7331
MT= 54 (n,n') Level
Legendre Coefficients
73-Ta-182
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
28
Incident Energy (MeV)
73-Ta-182

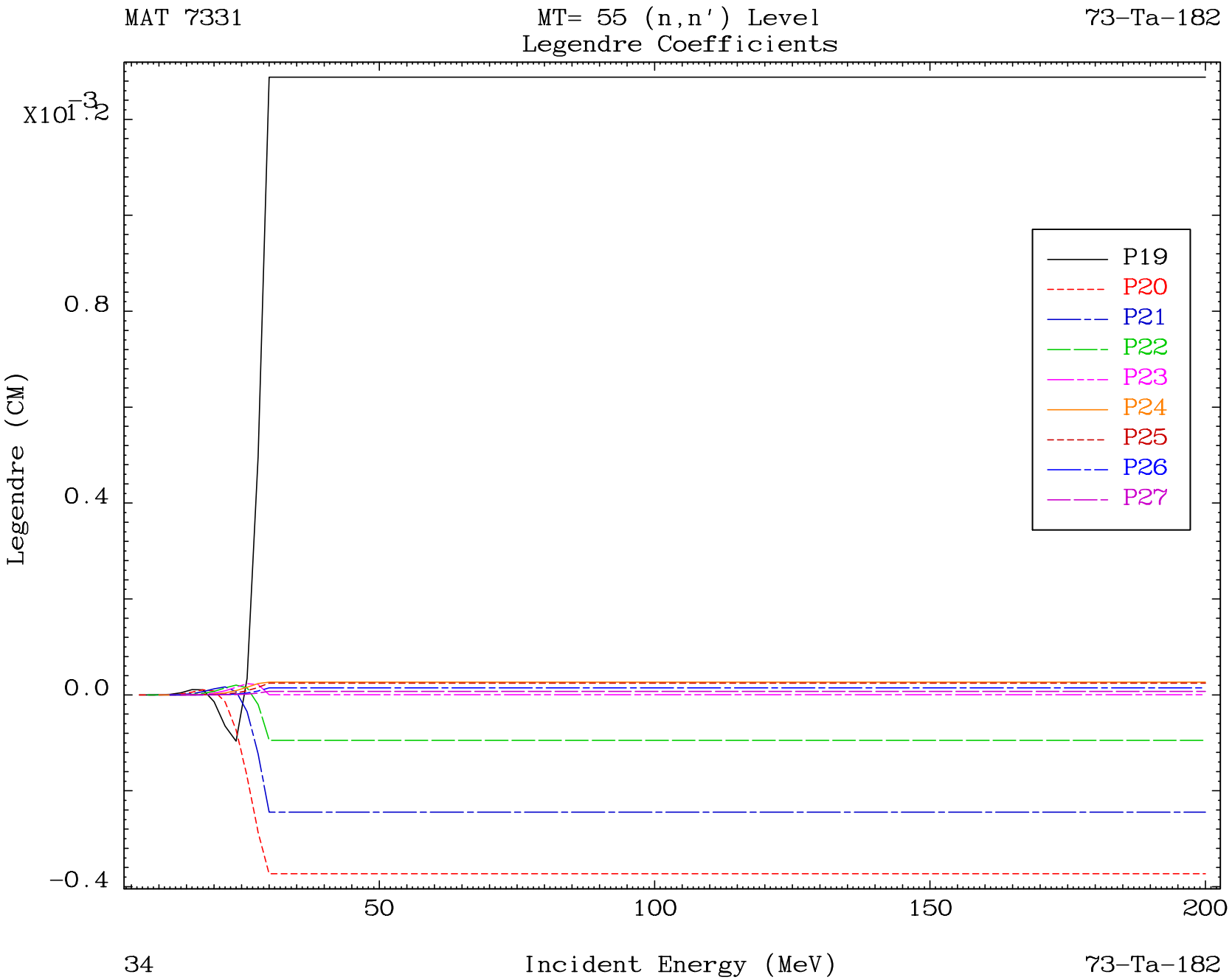

MAT 7331
MT= 54 (n,n') Level
Legendre Coefficients
73-Ta-182
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.015
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18

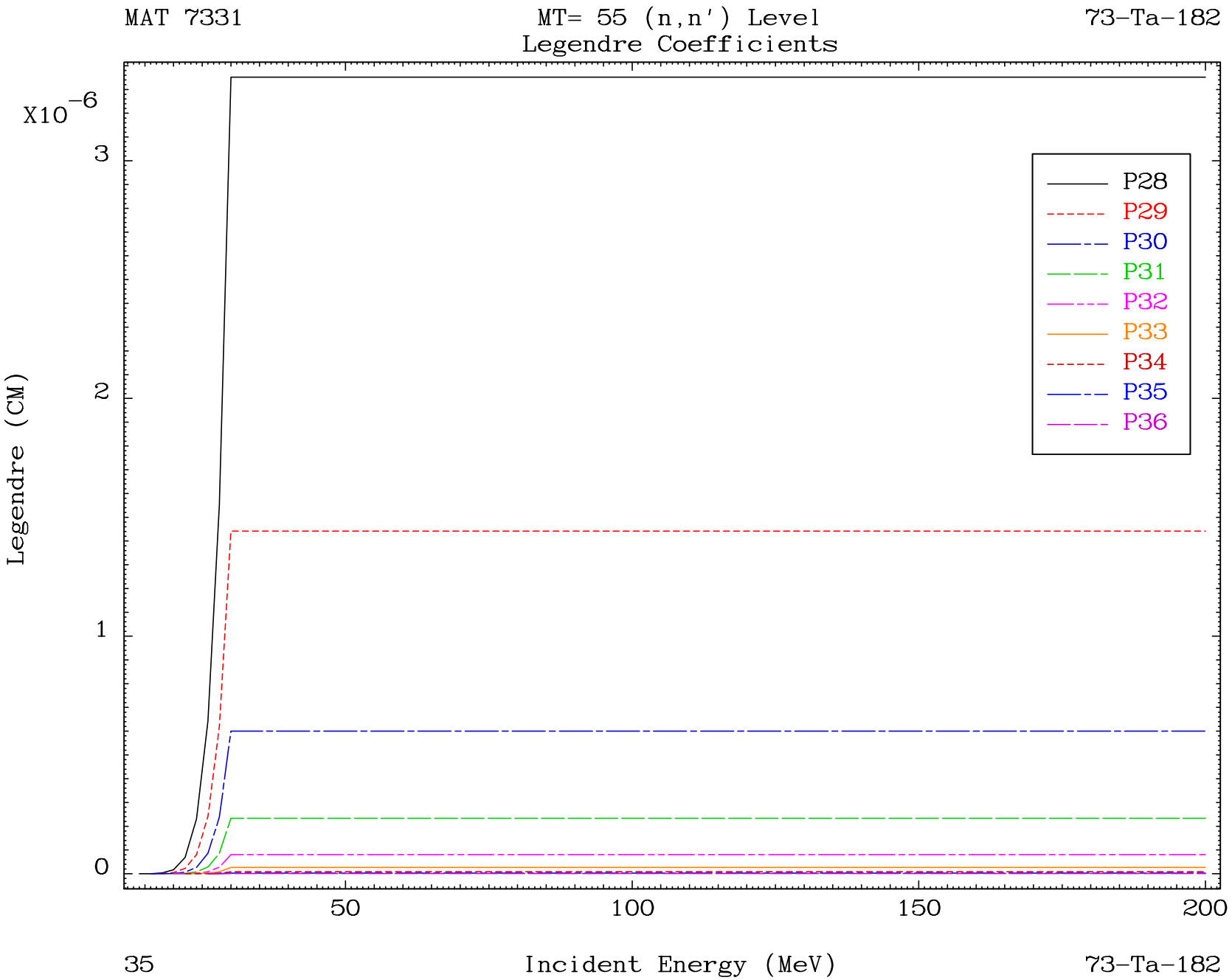

MAT 7331
MT= 54 (n,n') Level
Legendre Coefficients
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.003
0.002
0.001
0.000
Legendre (CM)
30
50
100
150
200
Incident Energy (MeV)
73-Ta-182

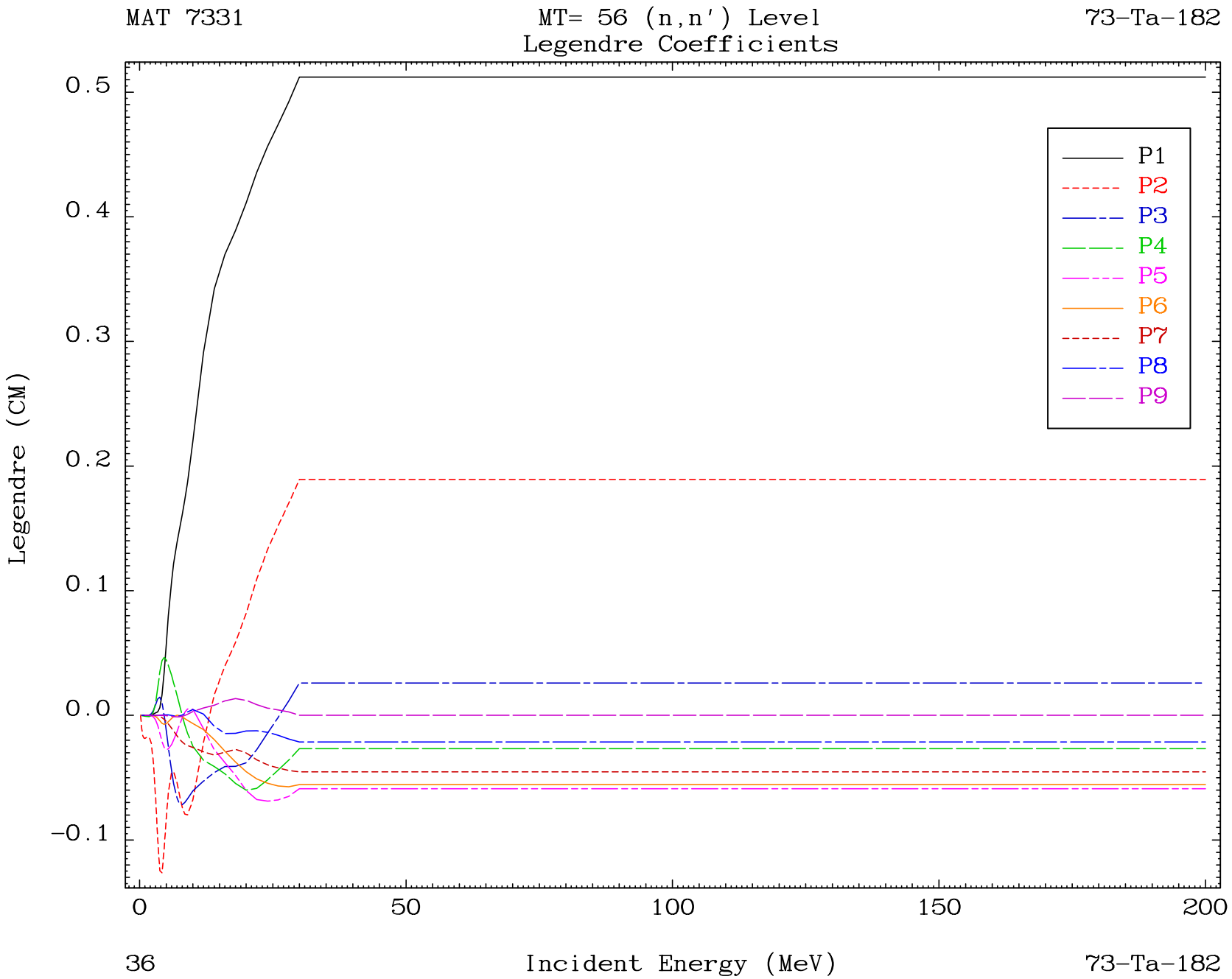

MAT 7331
MT= 54 (n,n') Level
Legendre Coefficients
73-Ta-182
X10-5
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
31
Incident Energy (MeV)
73-Ta-182

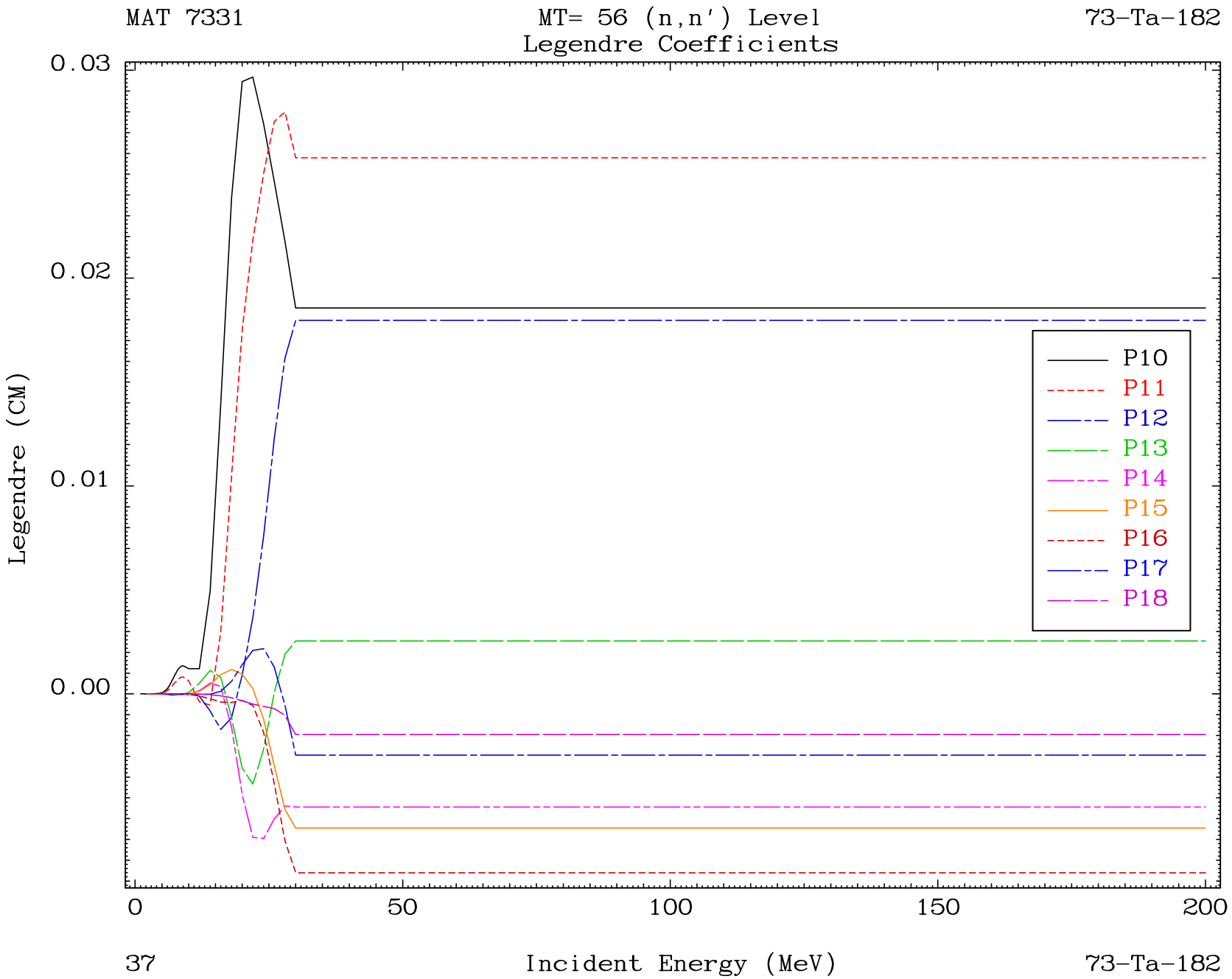

MAT 7331
MT= 55 (n,n') Level
Legendre Coefficients
73-Ta-182
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
32
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9

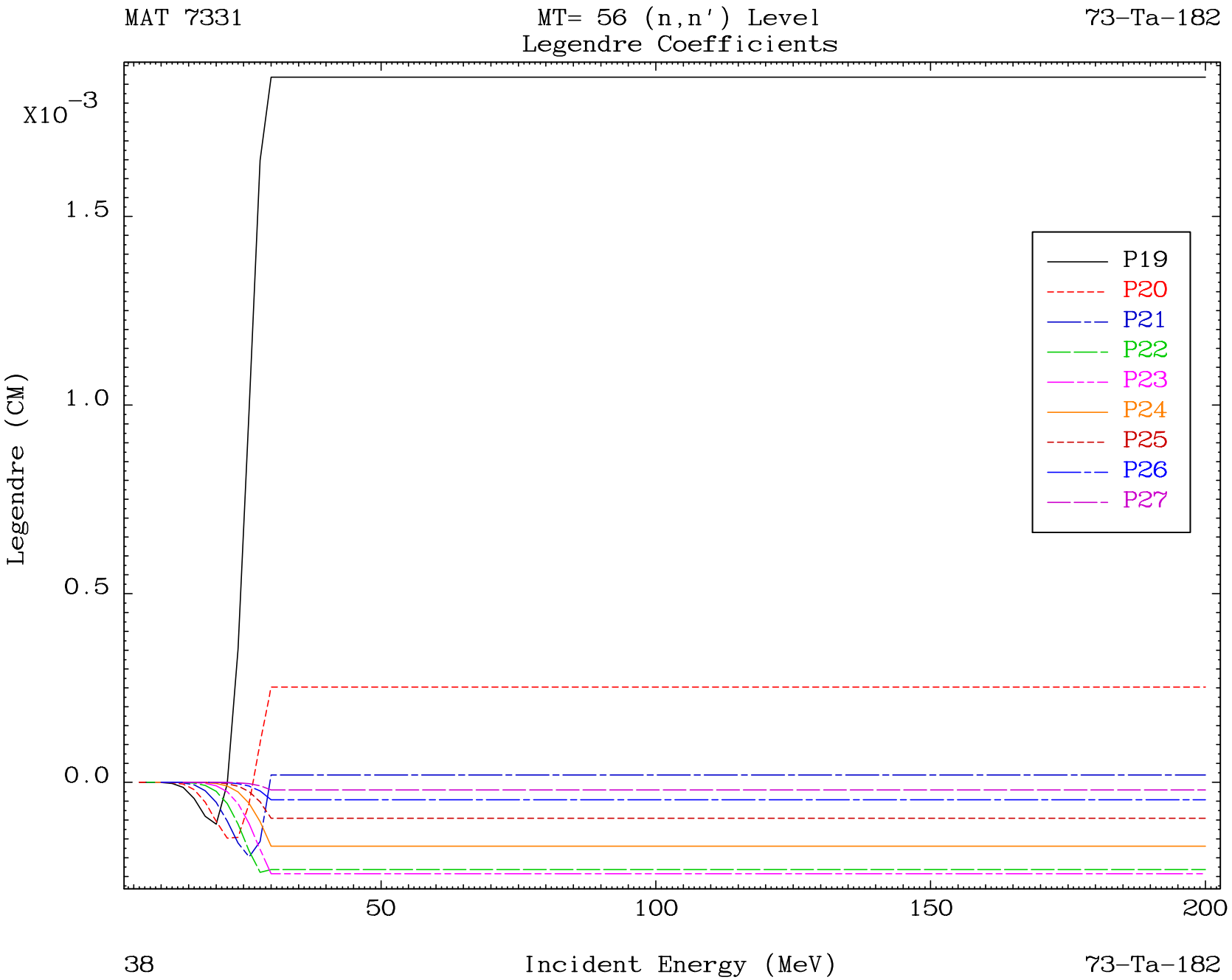

MAT 7331
MT= 55 (n,n') Level
Legendre Coefficients
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
73-Ta-182

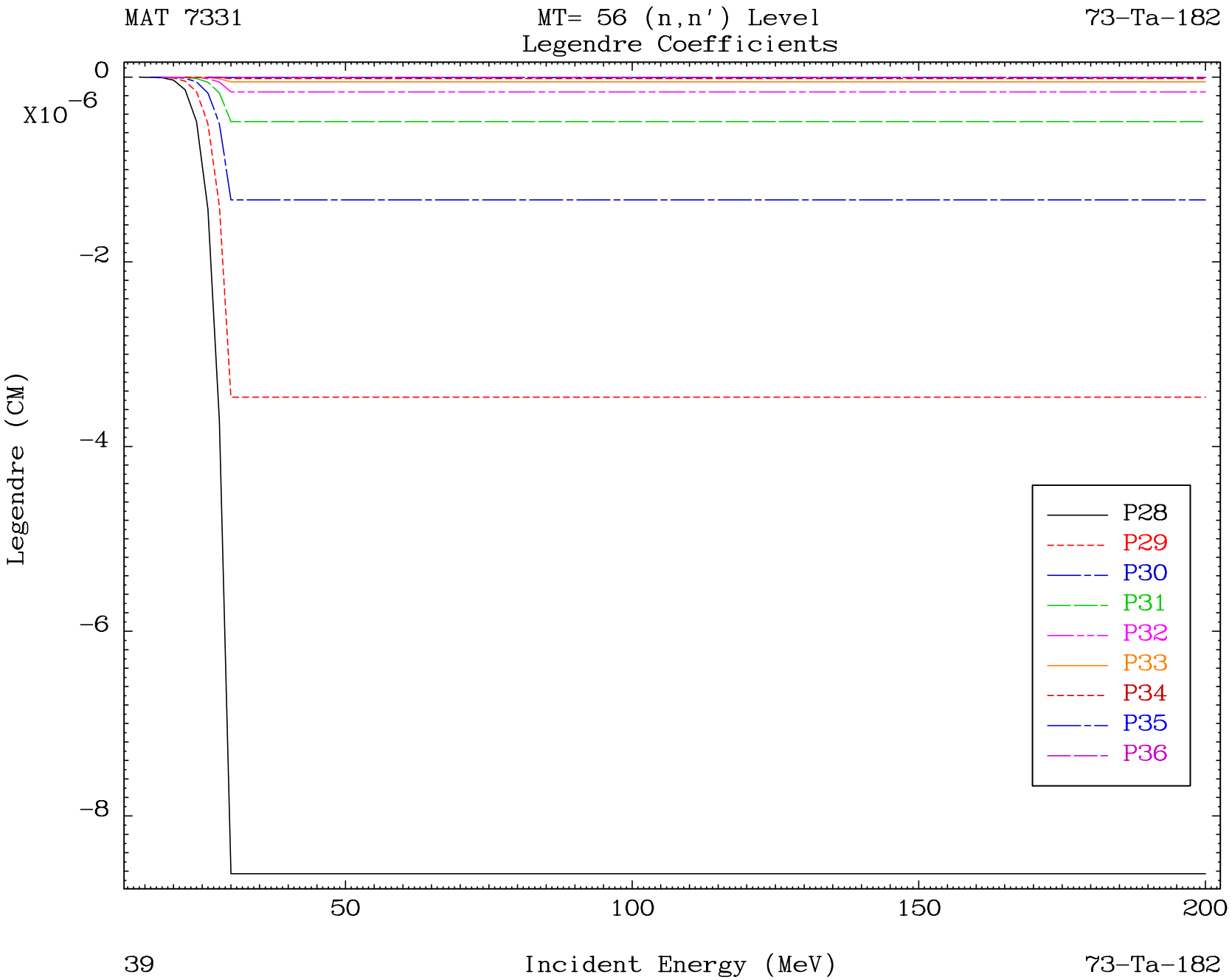

MAT 7331
MT= 55 (n,n') Level
Legendre Coefficients
73-Ta-182
X10-3
1.2
0.8
0.4
0.0
-0.4
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
34
Incident Energy (MeV)
73-Ta-182

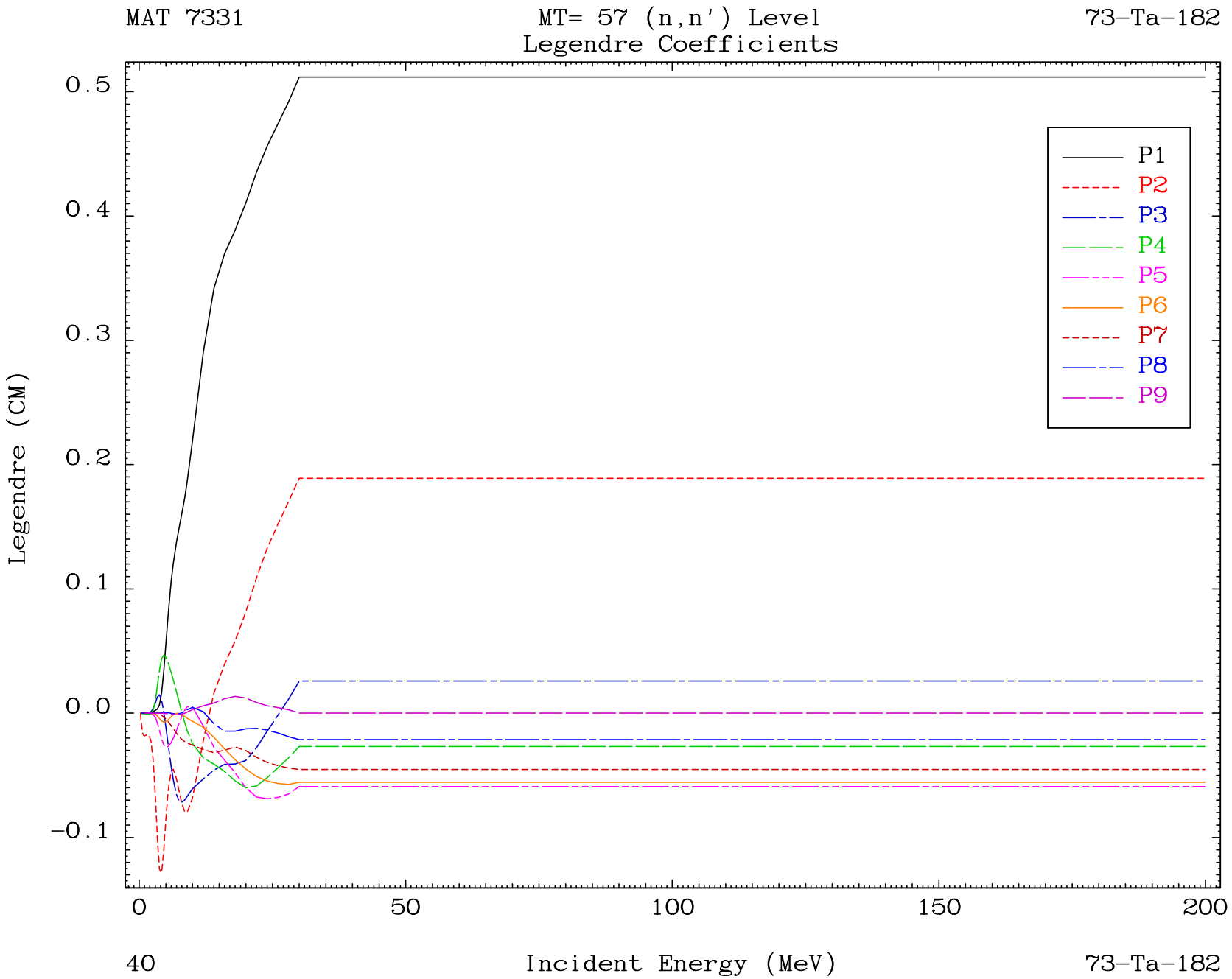

MAT 7331
MT= 55 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
35
Incident Energy (MeV)
73-Ta-182

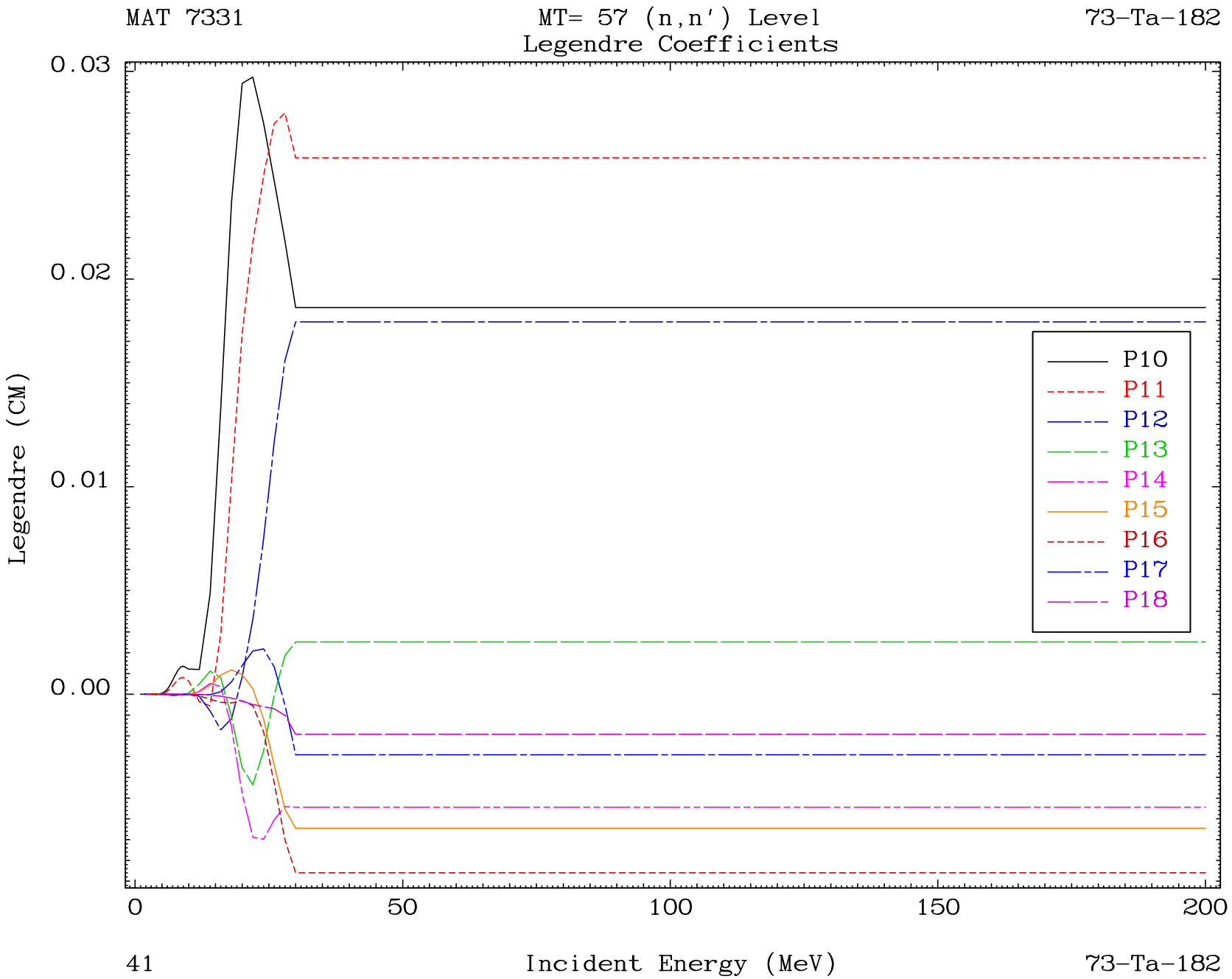

MAT 7331
MT= 56 (n,n') Level
Legendre Coefficients
73-Ta-182
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
36
Incident Energy (MeV)
73-Ta-182

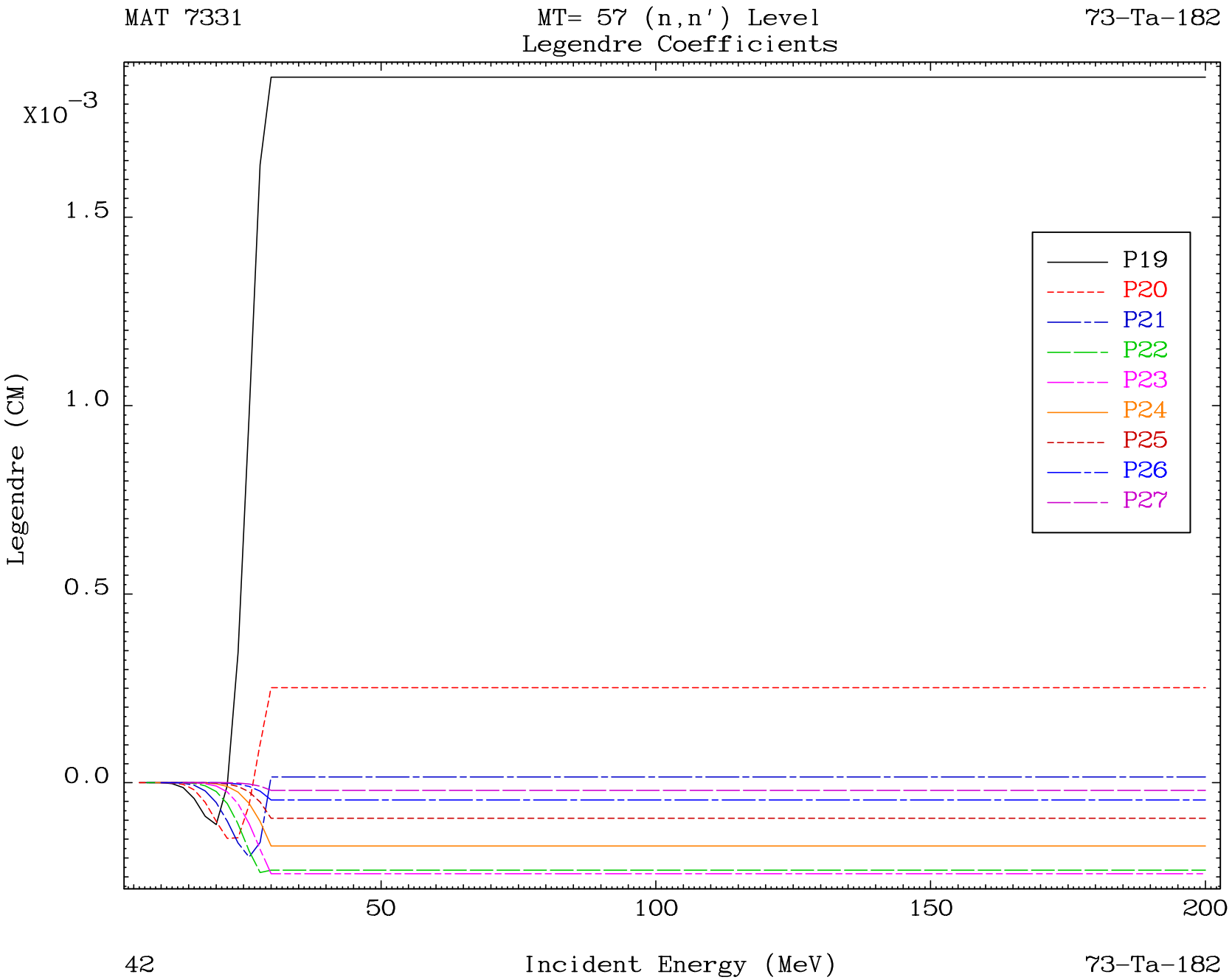

MAT 7331
MT= 56 (n,n') Level
Legendre Coefficients
73-Ta-182
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
37
Incident Energy (MeV)
73-Ta-182

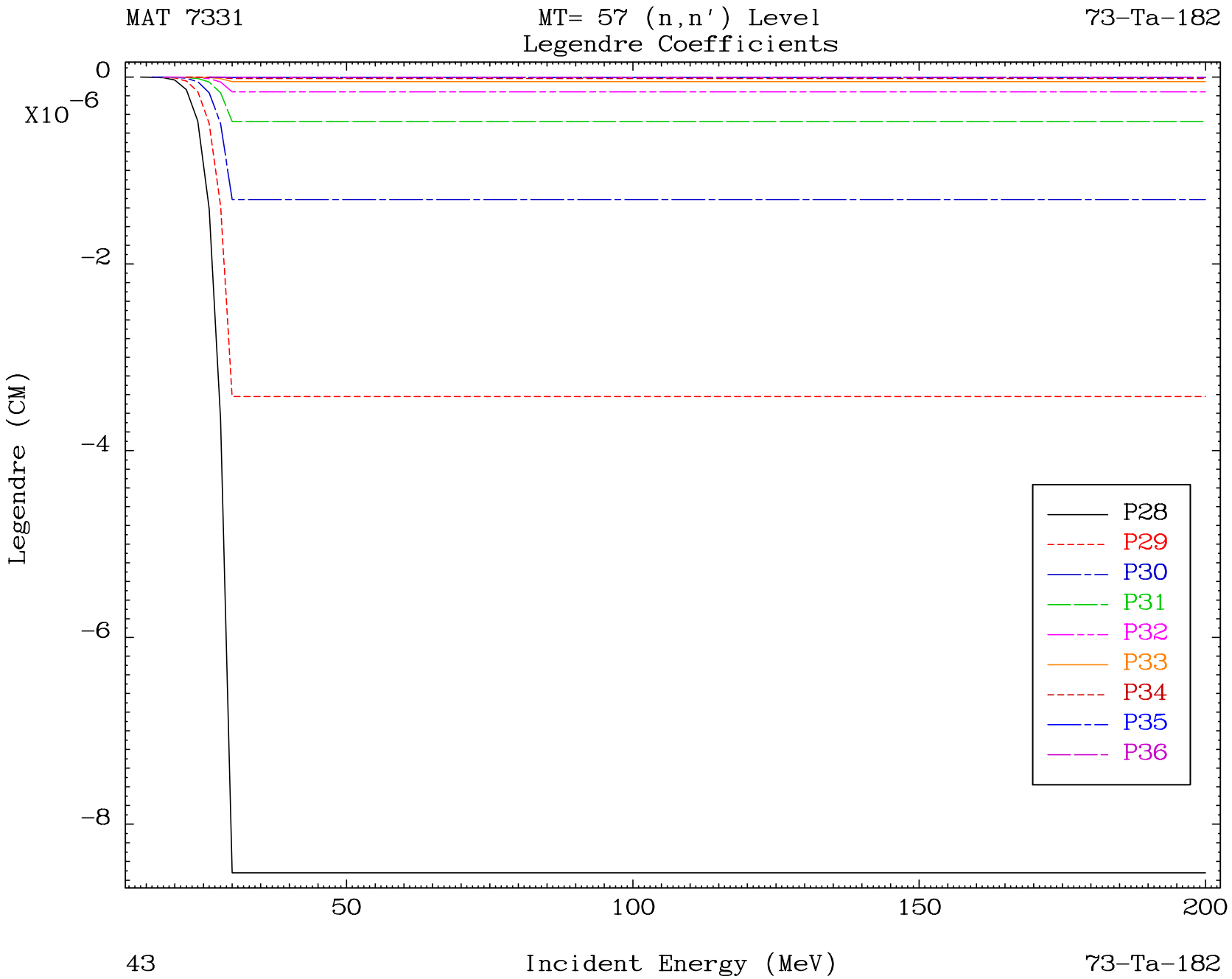

MAT 7331
MT= 56 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
38
Incident Energy (MeV)
73-Ta-182

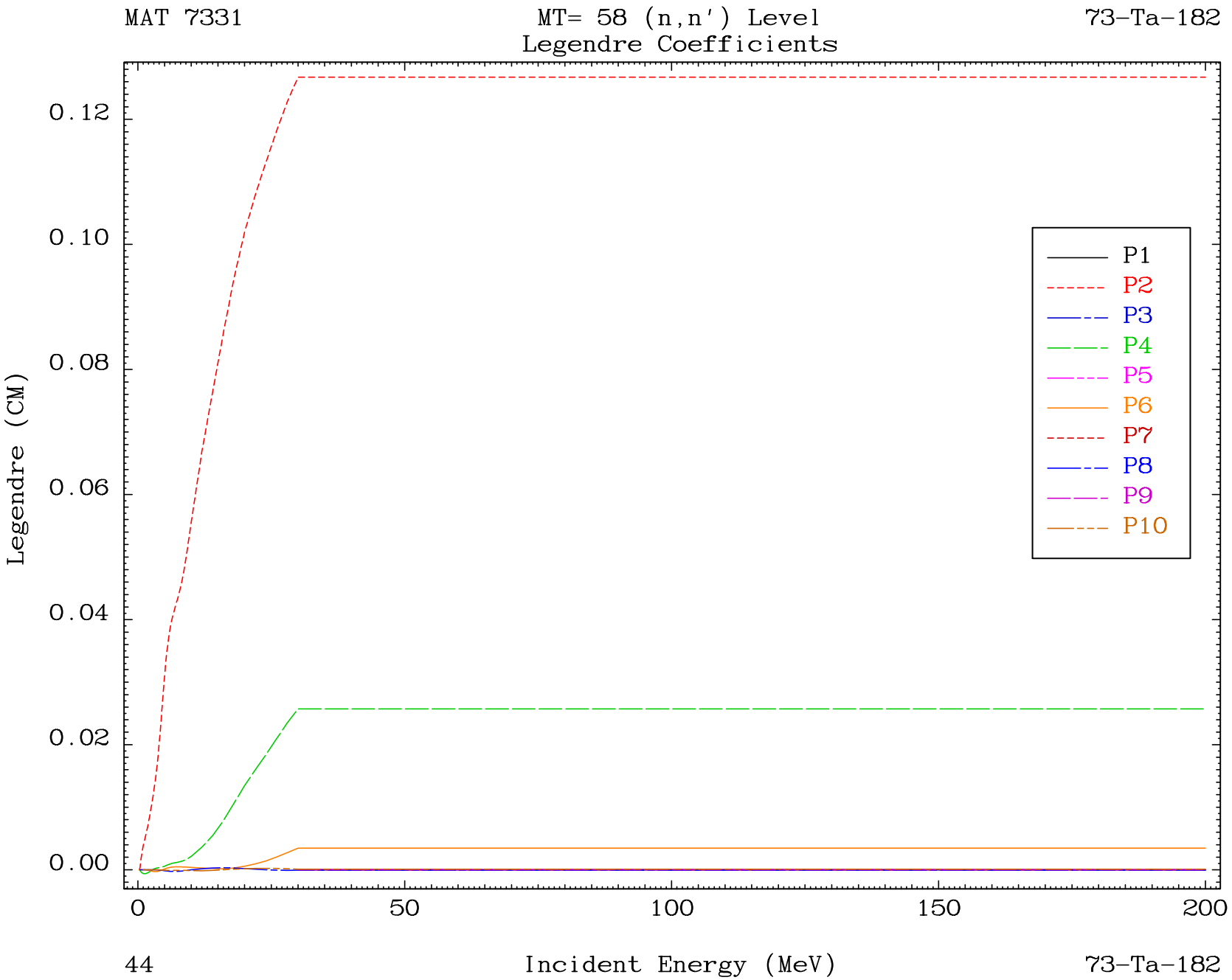

MAT 7331
MT= 56 (n,n') Level
Legendre Coefficients
73-Ta-182
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
39
Incident Energy (MeV)
73-Ta-182
P28
P29
P30
P31
P32
P33
P34
P35
P36

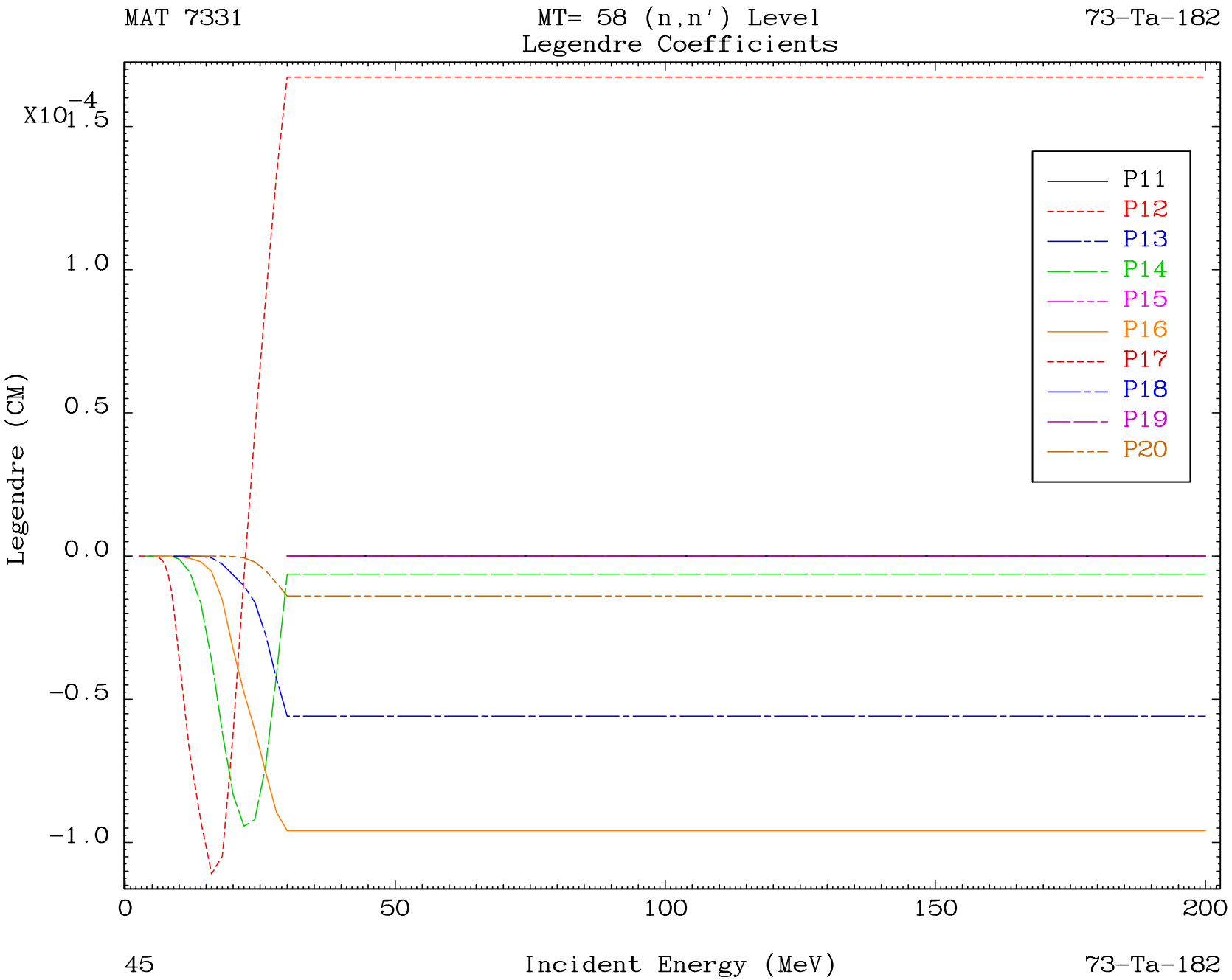

MAT 7331
MT= 57 (n,n') Level
Legendre Coefficients
73-Ta-182
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
73-Ta-182

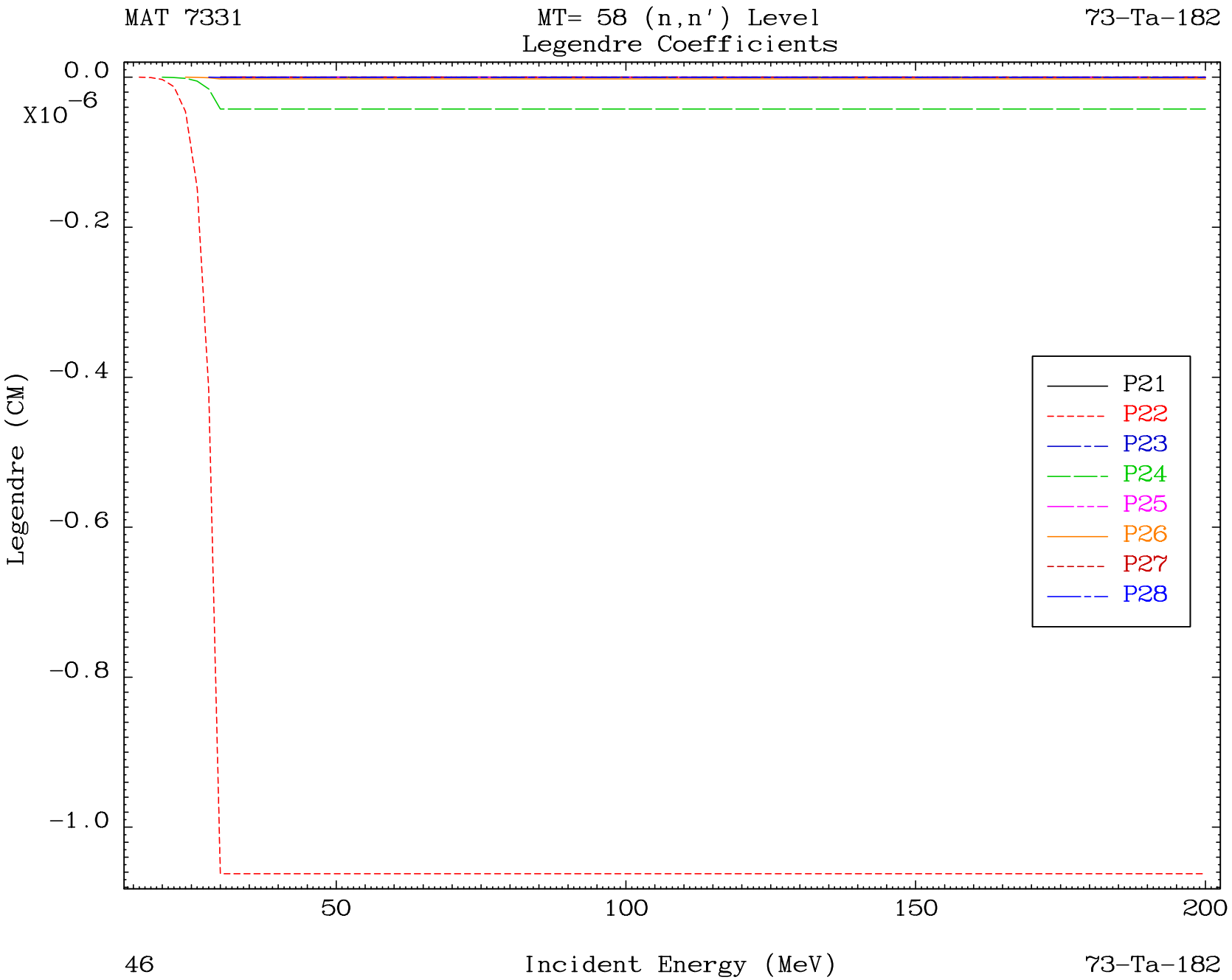

MAT 7331
MT= 57 (n,n') Level
Legendre Coefficients
73-Ta-182
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
41
Incident Energy (MeV)
73-Ta-182

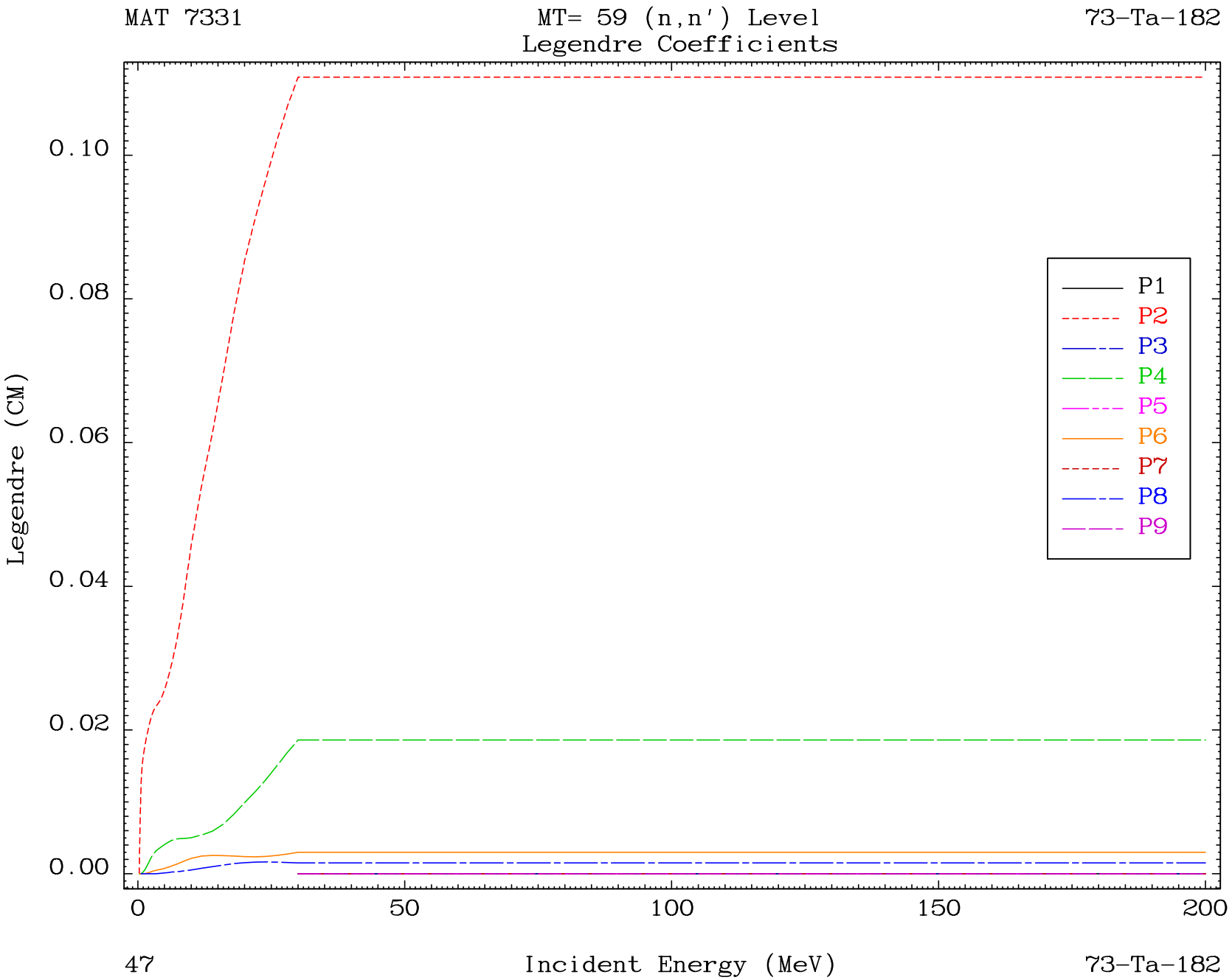

MAT 7331
MT= 57 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^{-3}
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
42
Incident Energy (MeV)
73-Ta-182

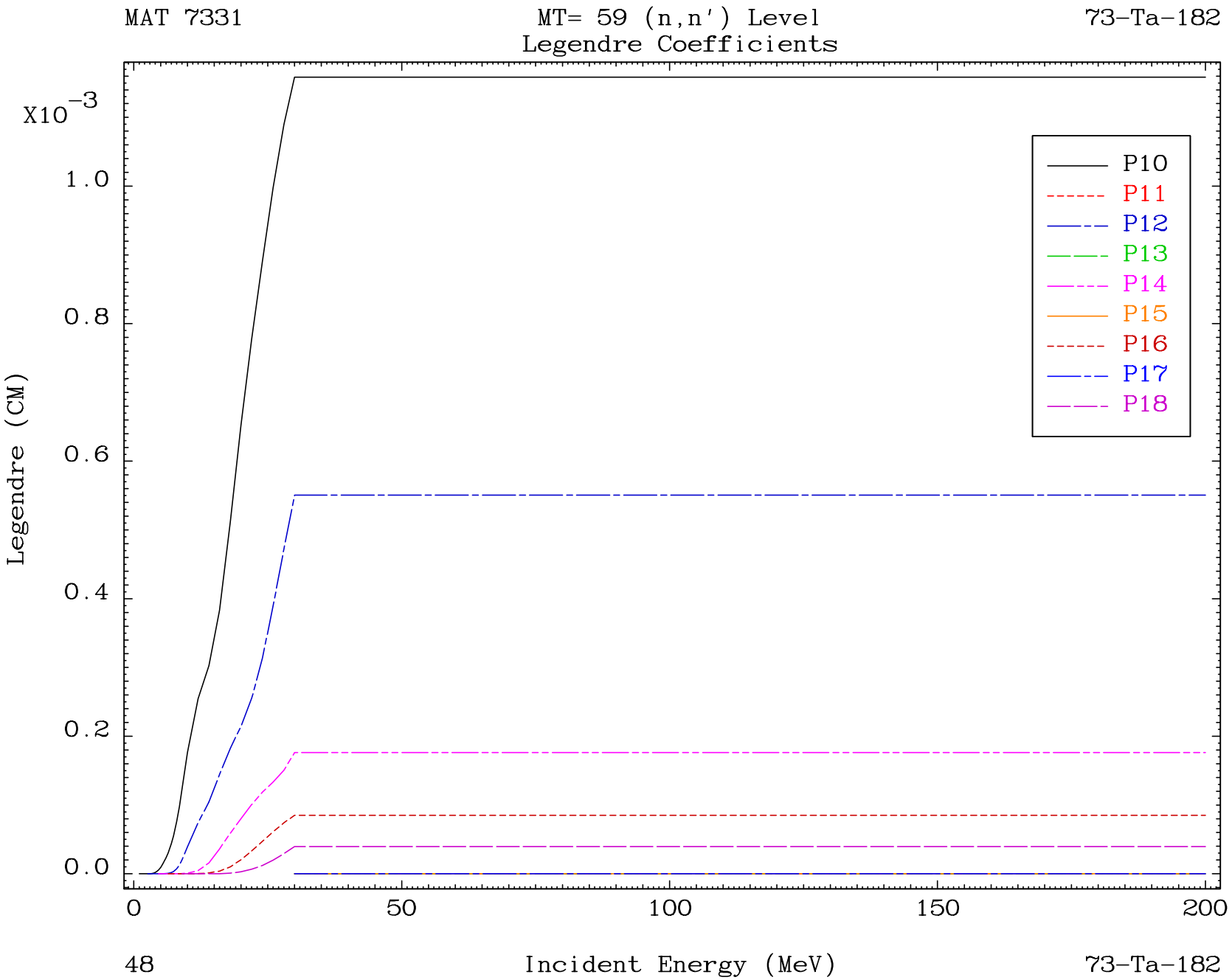

MAT 7331
MT= 57 (n,n') Level
Legendre Coefficients
73-Ta-182
X10 −6
0
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
43
Incident Energy (MeV)
73-Ta-182
P28
P29
P30
P31
P32
P33
P34
P35
P36

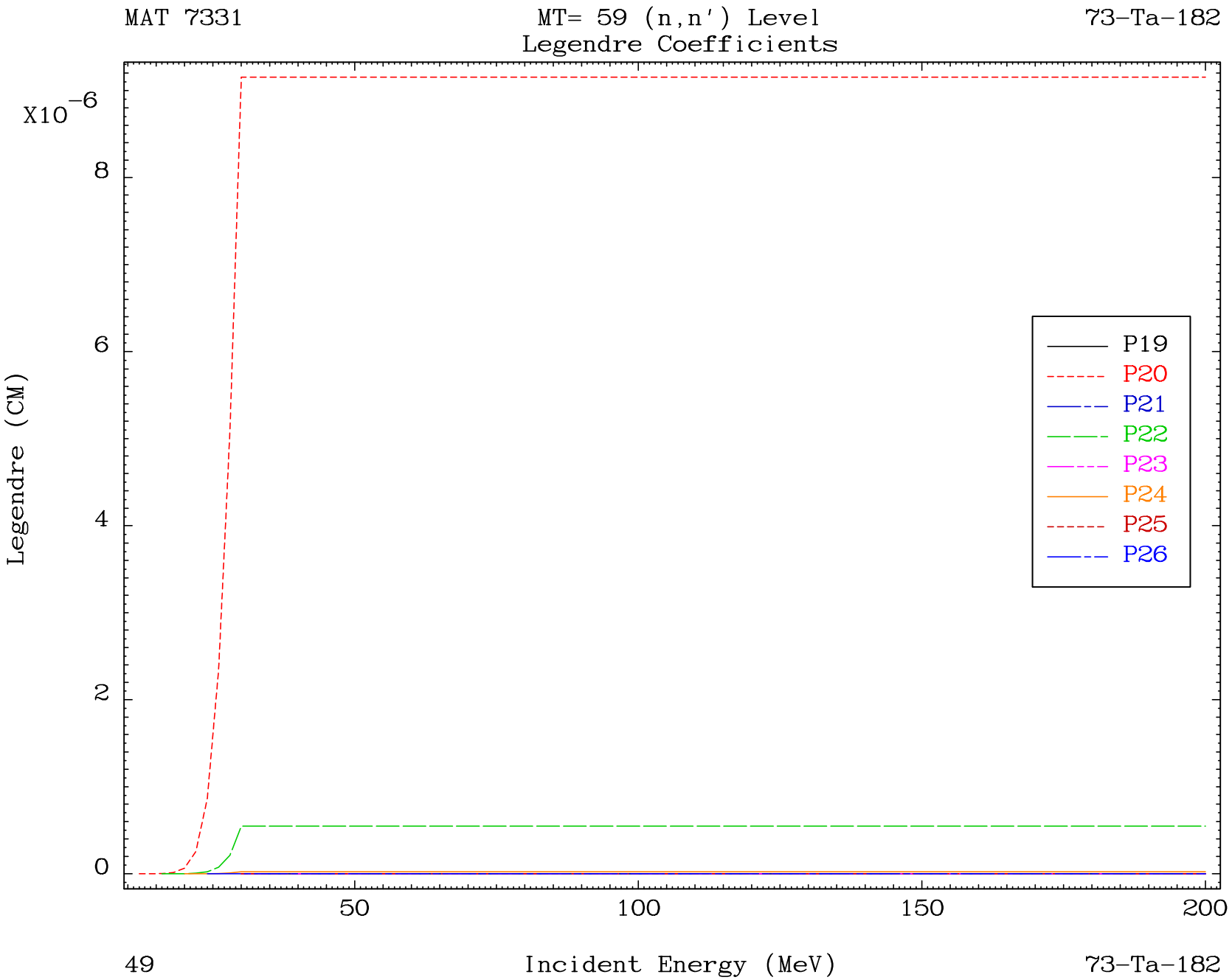

MAT 7331
MT= 58 (n,n') Level
Legendre Coefficients
73-Ta-182
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
44
Incident Energy (MeV)
73-Ta-182

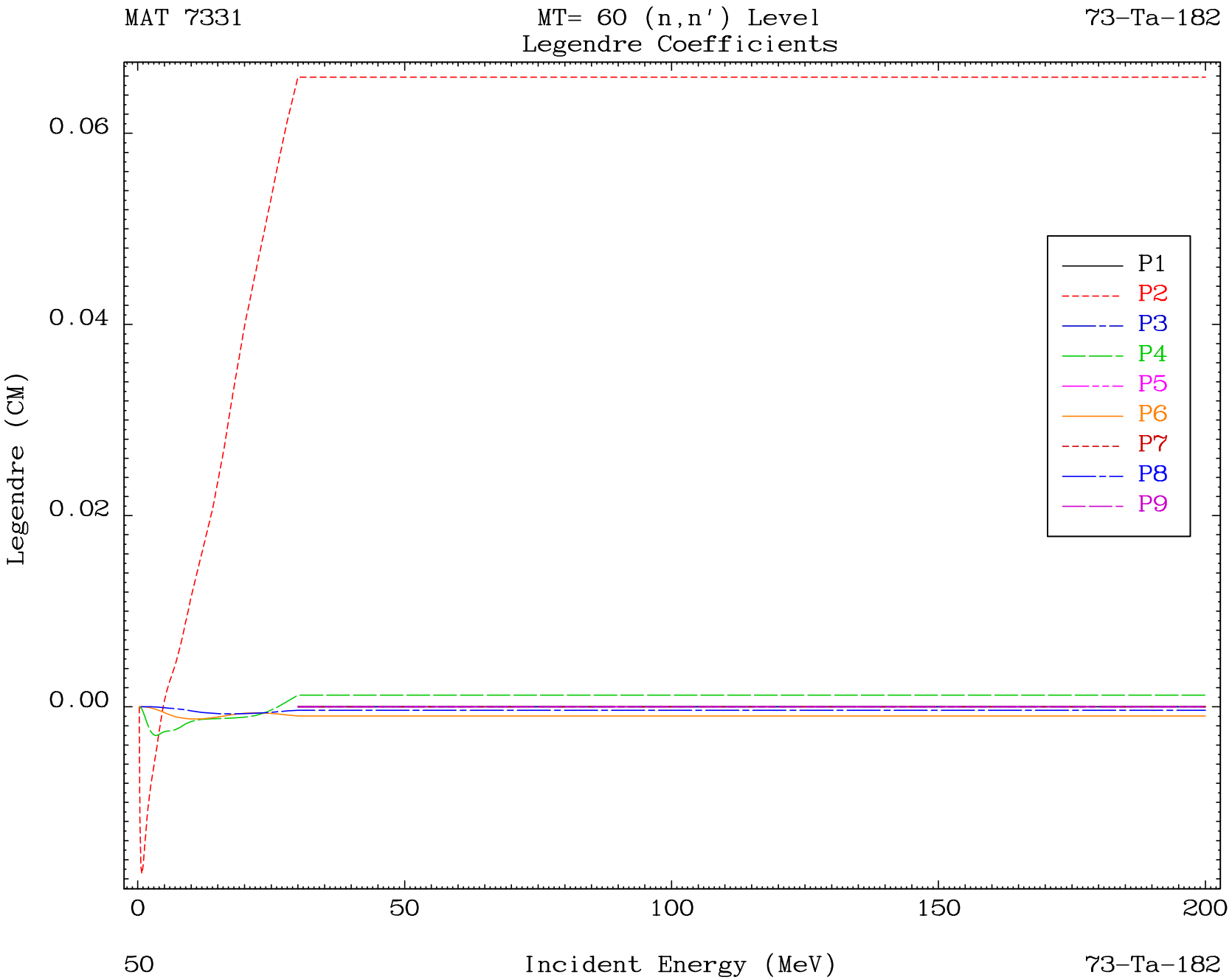

MAT 7331
MT= 58 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
45
Incident Energy (MeV)
73-Ta-182

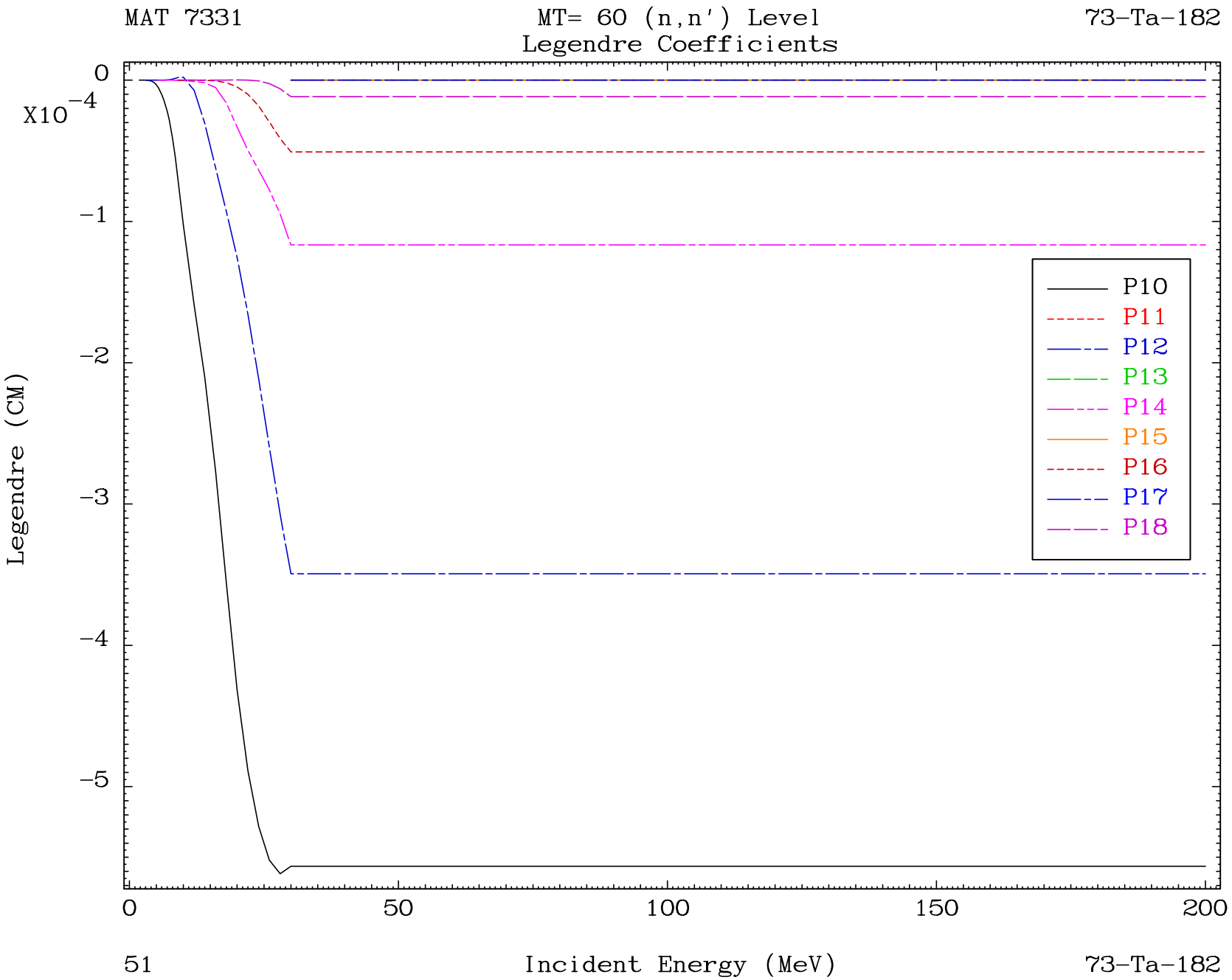

MAT 7331
MT= 58 (n,n') Level
Legendre Coefficients
73-Ta-182
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
46
Incident Energy (MeV)
73-Ta-182

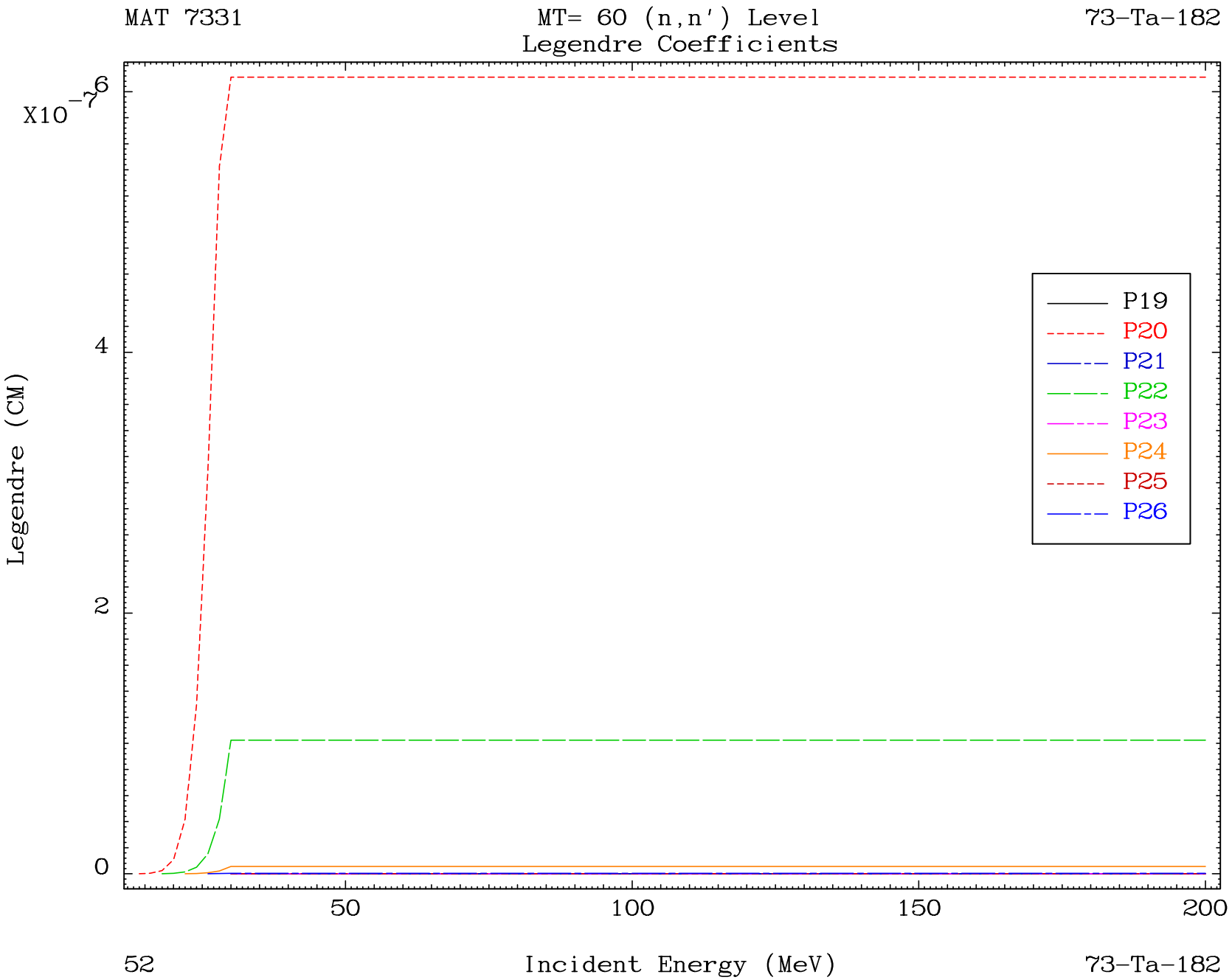

MAT 7331
MT= 59 (n,n') Level
Legendre Coefficients
73-Ta-182
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
0
50
100
150
200
47
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9

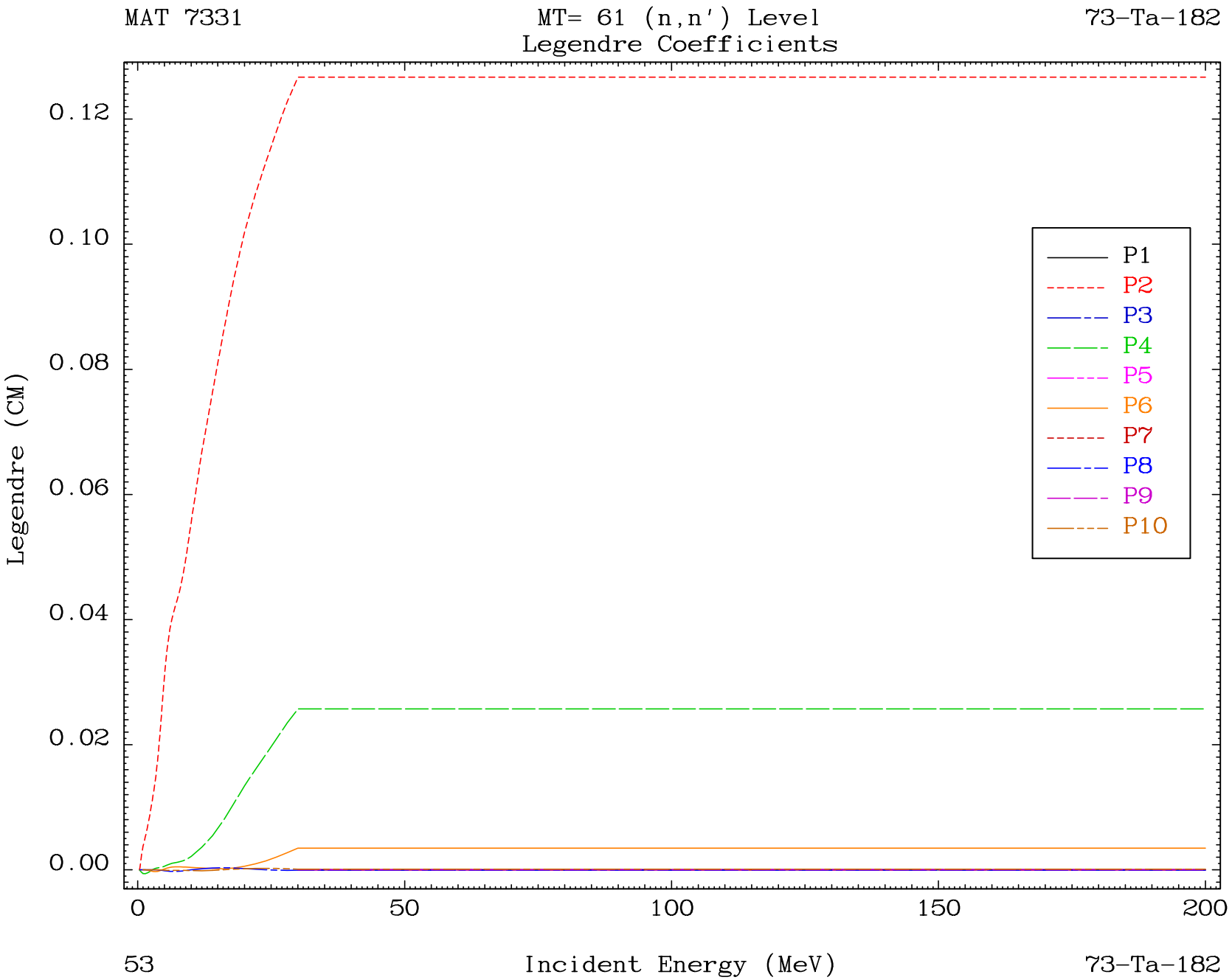

MAT 7331
MT= 59 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-3
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
48
Incident Energy (MeV)
73-Ta-182

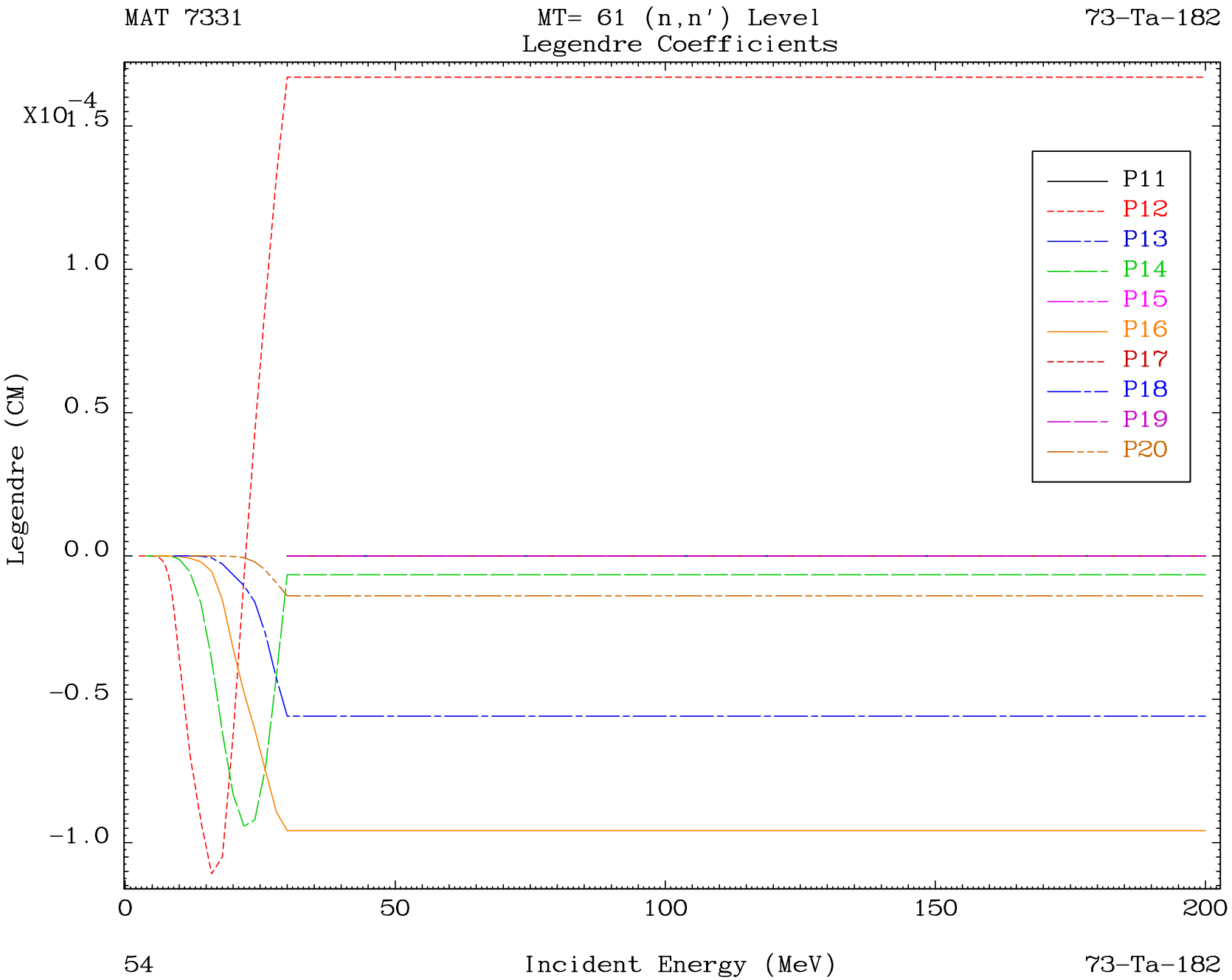

MAT 7331
MT= 59 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-6
8
6
4
2
0
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26

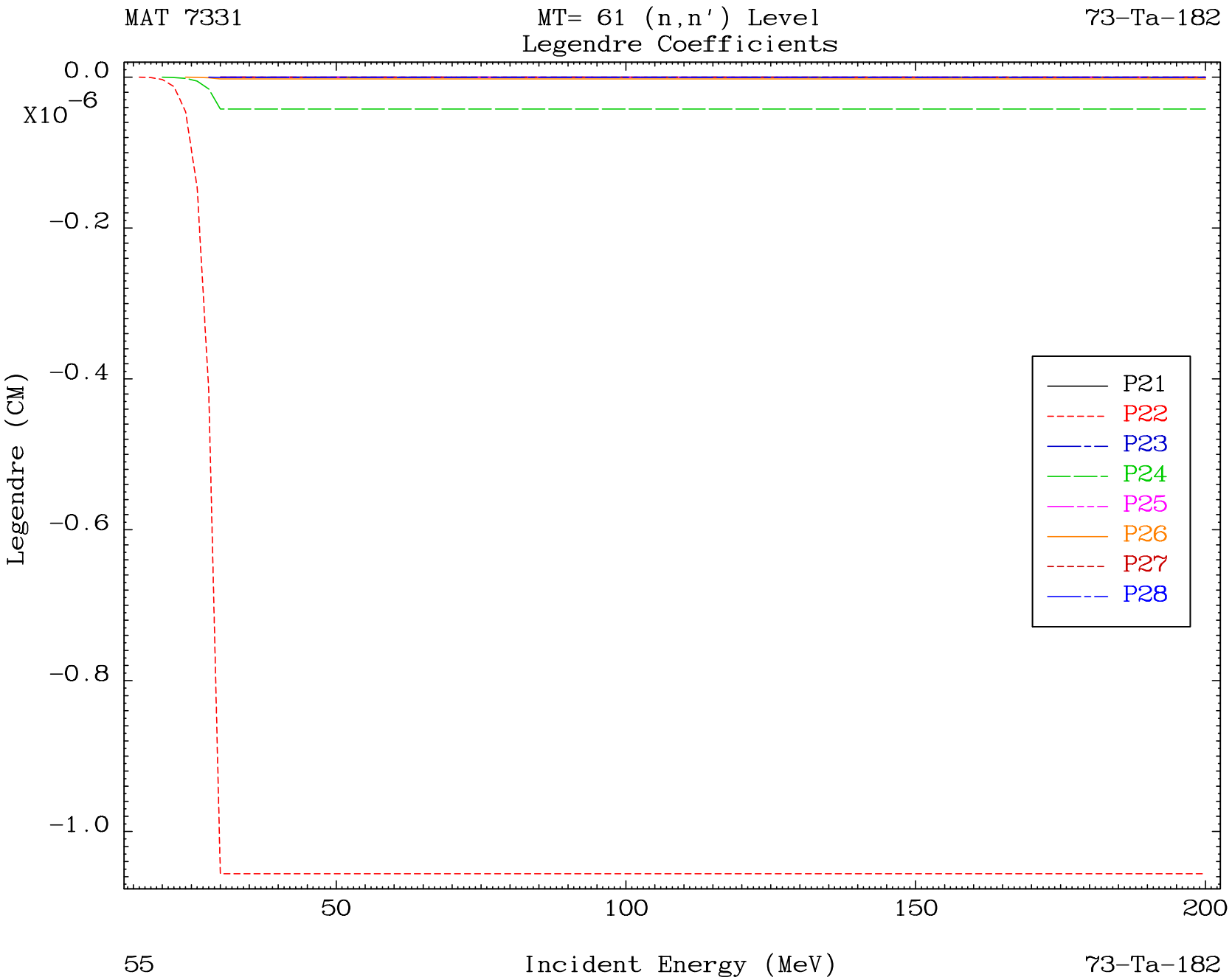

MAT 7331
MT= 60 (n,n') Level
Legendre Coefficients
73-Ta-182
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
50
Incident Energy (MeV)
73-Ta-182

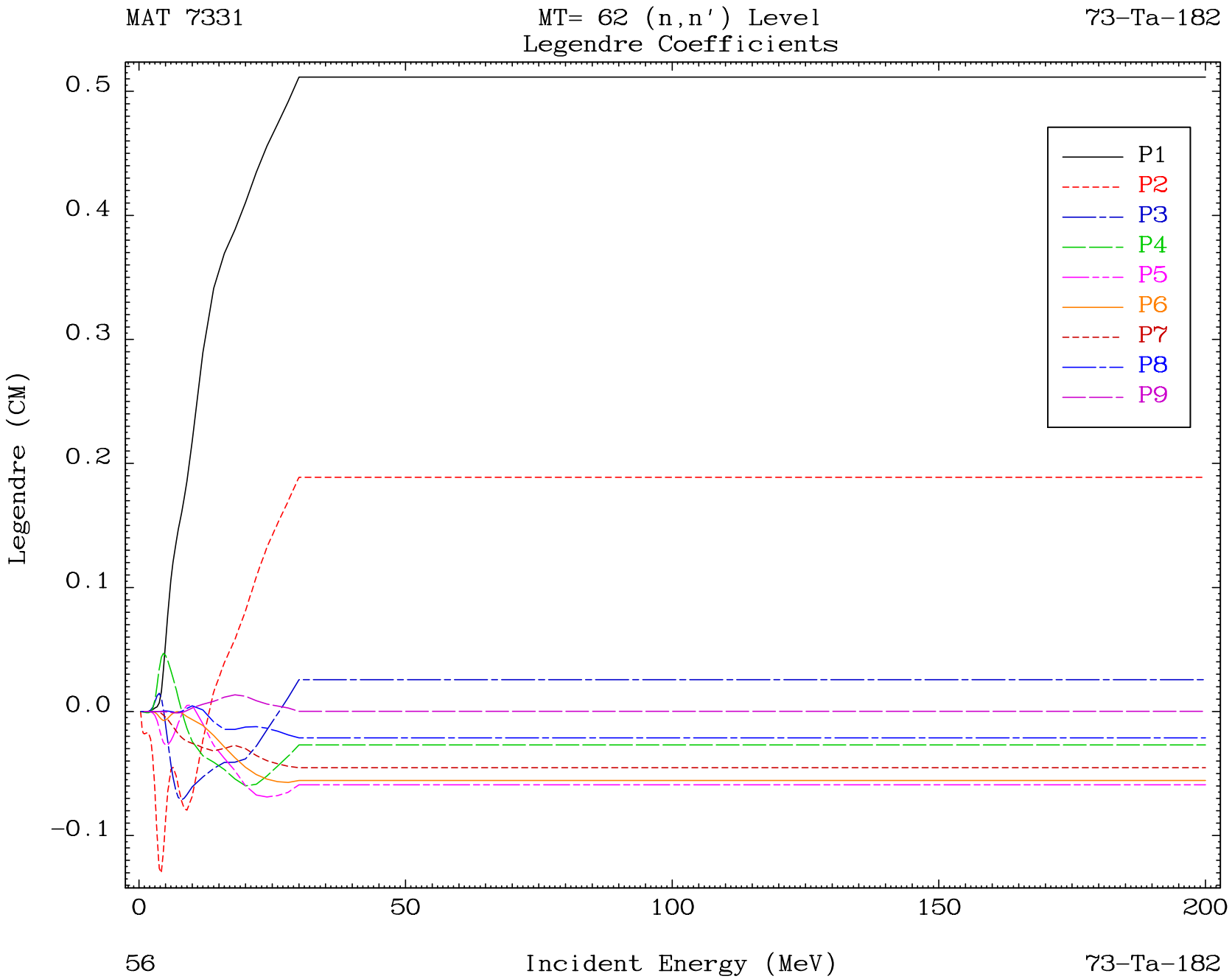

MAT 7331
MT= 60 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
0
-1
-2
-3
-4
-5
Legendre (CM)
0
50
100
150
200
Incident Energy (MeV)
51
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18

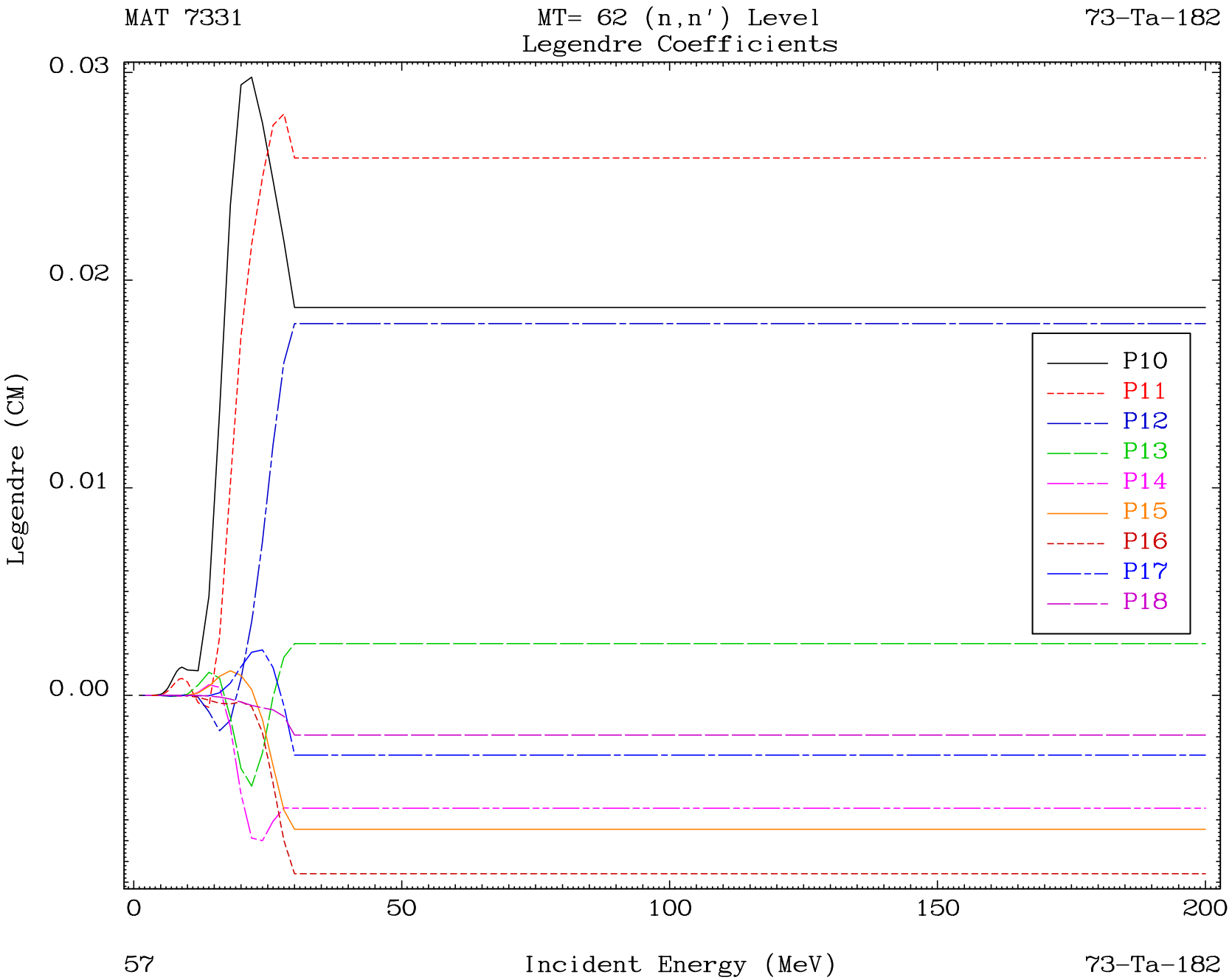

MAT 7331
MT= 60 (n,n') Level
Legendre Coefficients
73-Ta-182
X10-2
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
52
Incident Energy (MeV)
73-Ta-182

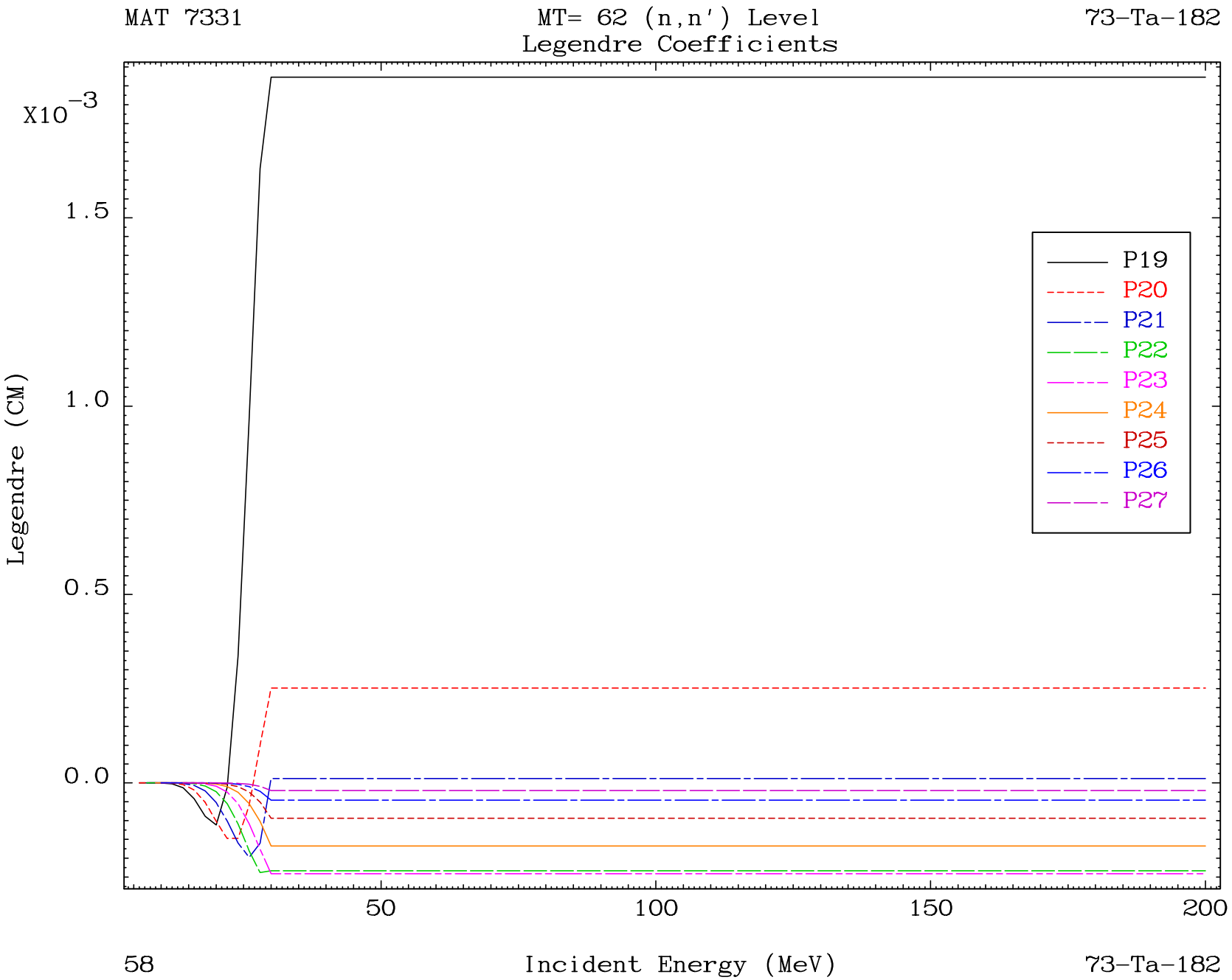

MAT 7331
MT= 61 (n,n') Level
Legendre Coefficients
73-Ta-182
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
53
Incident Energy (MeV)
73-Ta-182

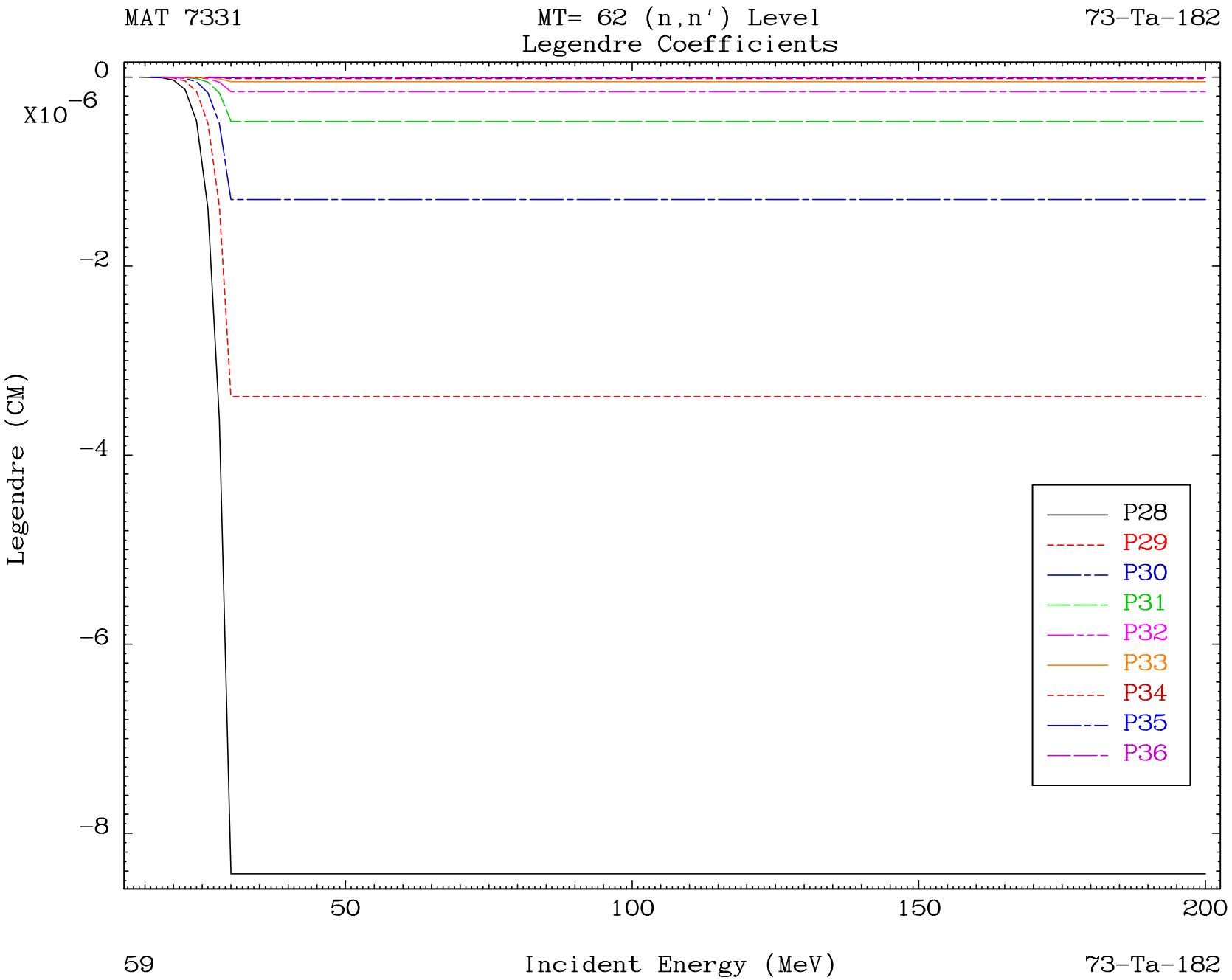

MAT 7331
MT= 61 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
1.5
1.0
0.5
0.0
-0.5
-1.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
54
Incident Energy (MeV)
73-Ta-182

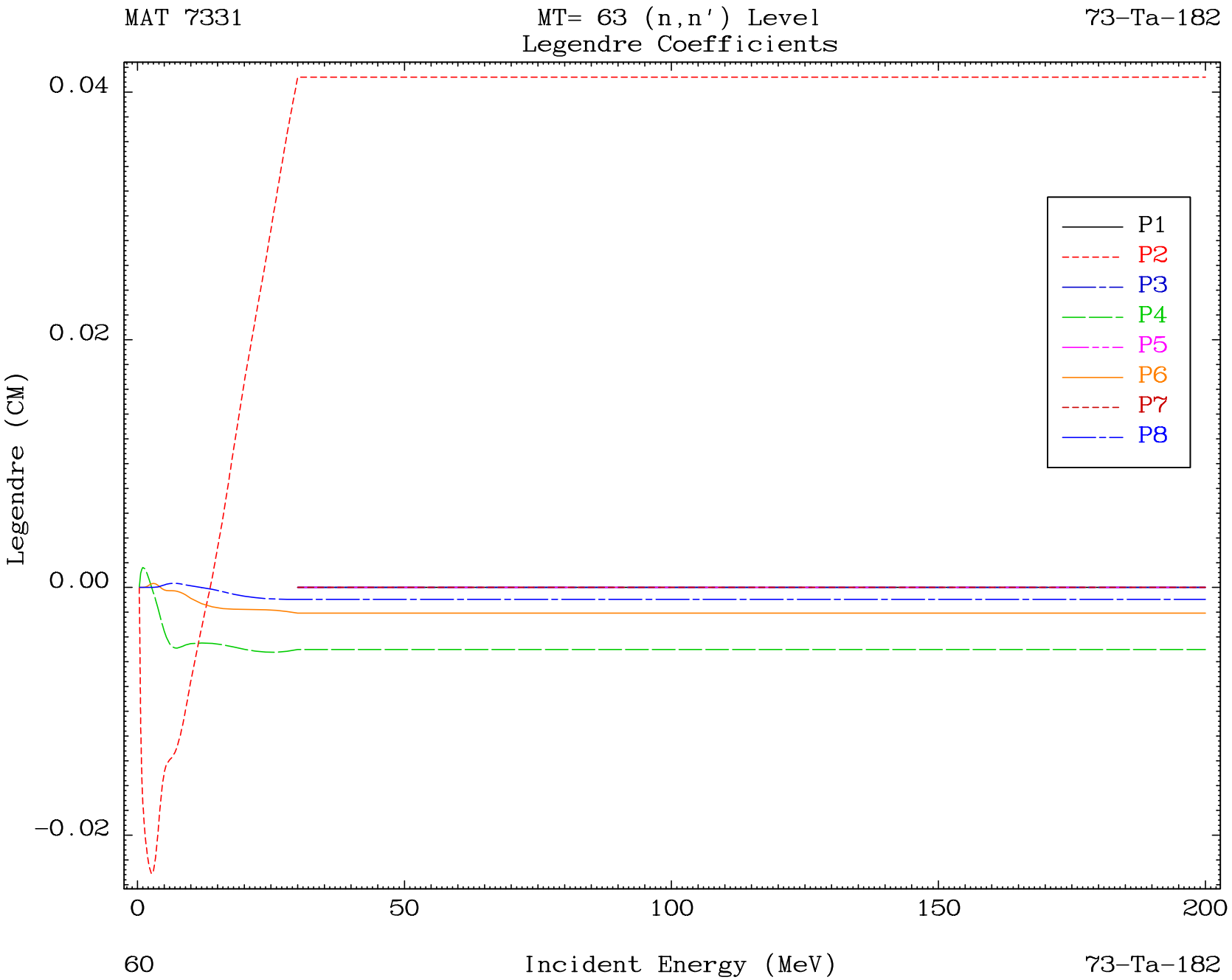

MAT 7331
MT= 61 (n,n') Level
Legendre Coefficients
73-Ta-182
0.0
X10^-6
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
55
Incident Energy (MeV)
73-Ta-182

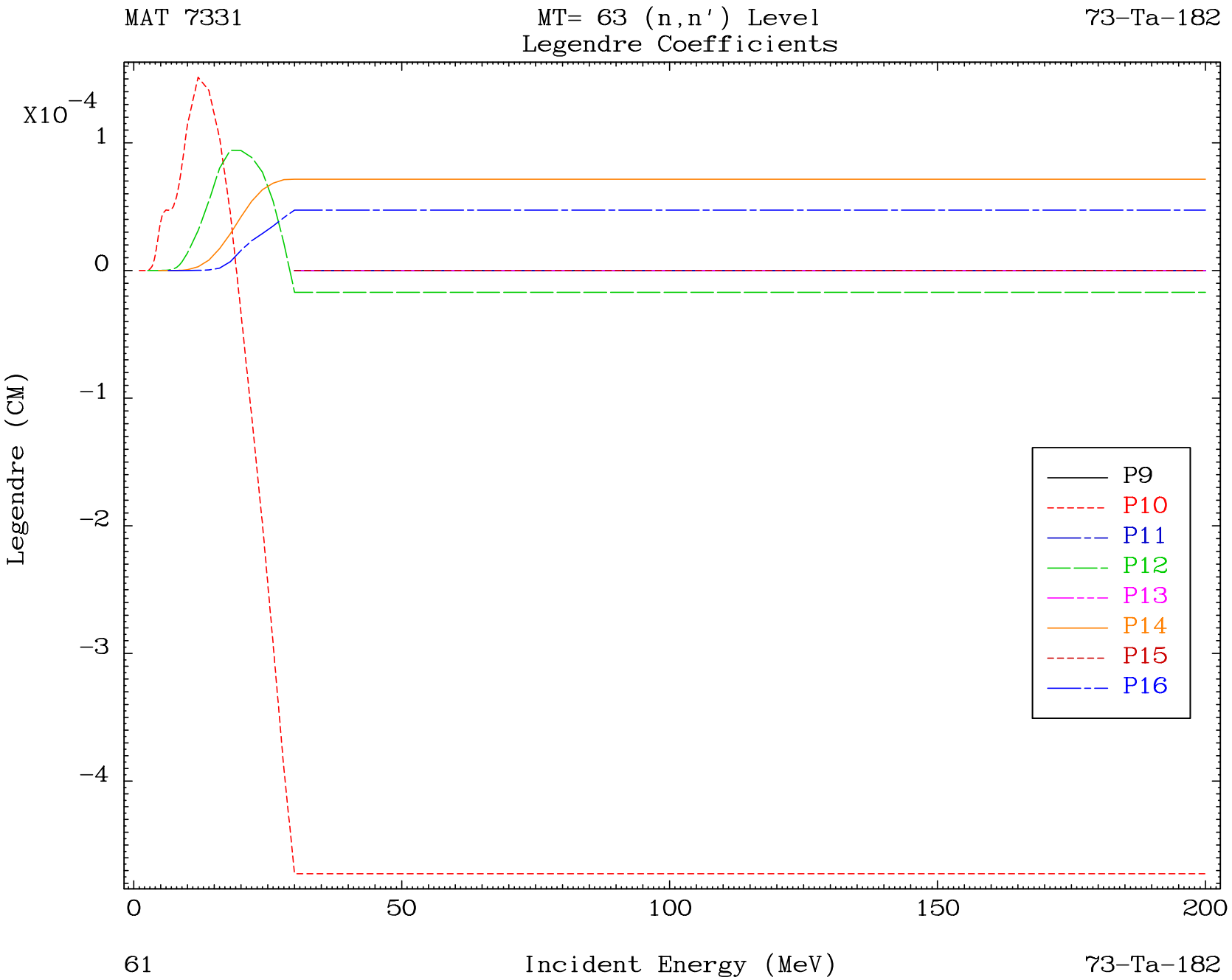

MAT 7331
MT= 62 (n,n') Level
Legendre Coefficients
73-Ta-182
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
56
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9

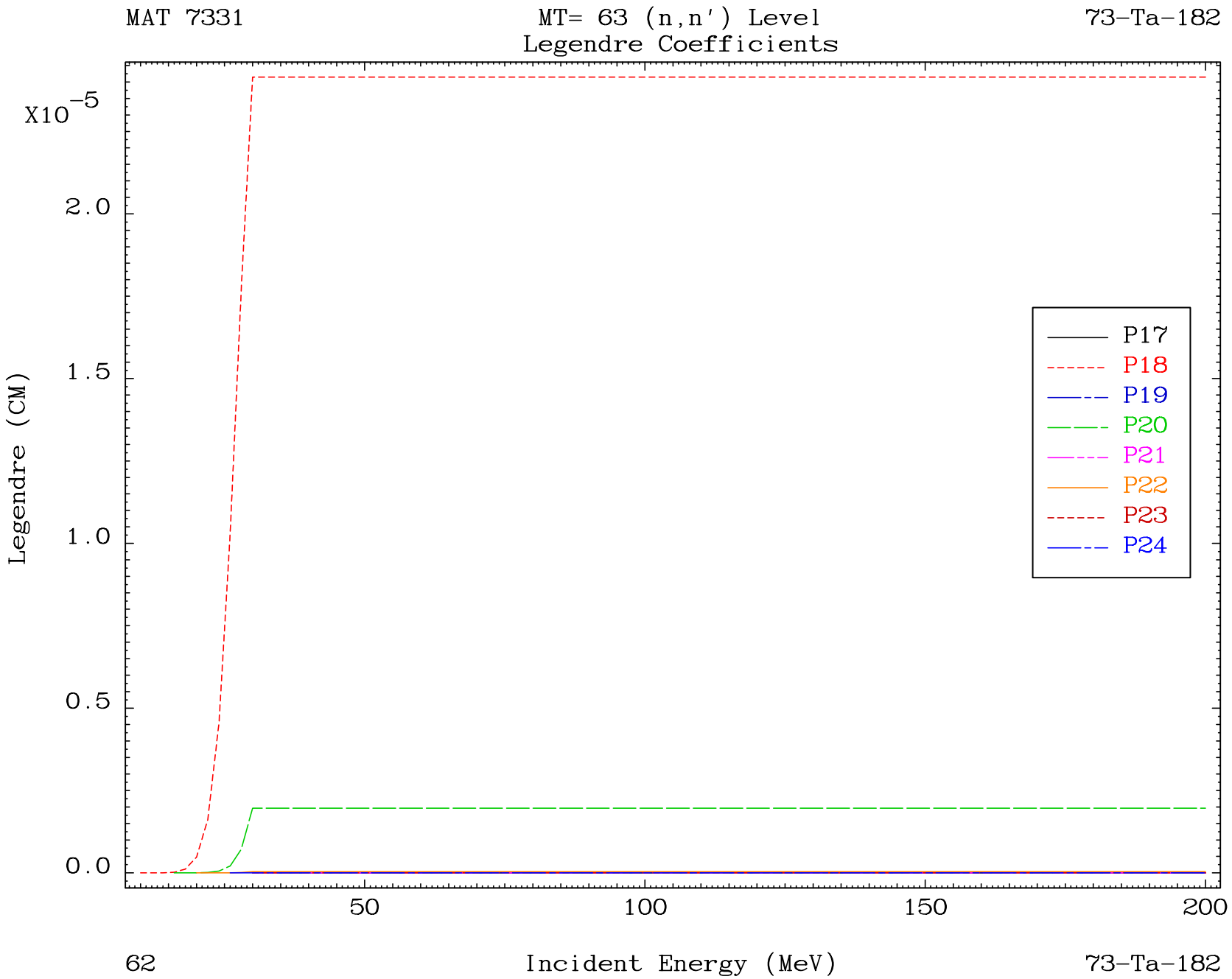

MAT 7331
MT= 62 (n,n') Level
Legendre Coefficients
73-Ta-182
0.03
0.02
0.01
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
57
Incident Energy (MeV)
73-Ta-182

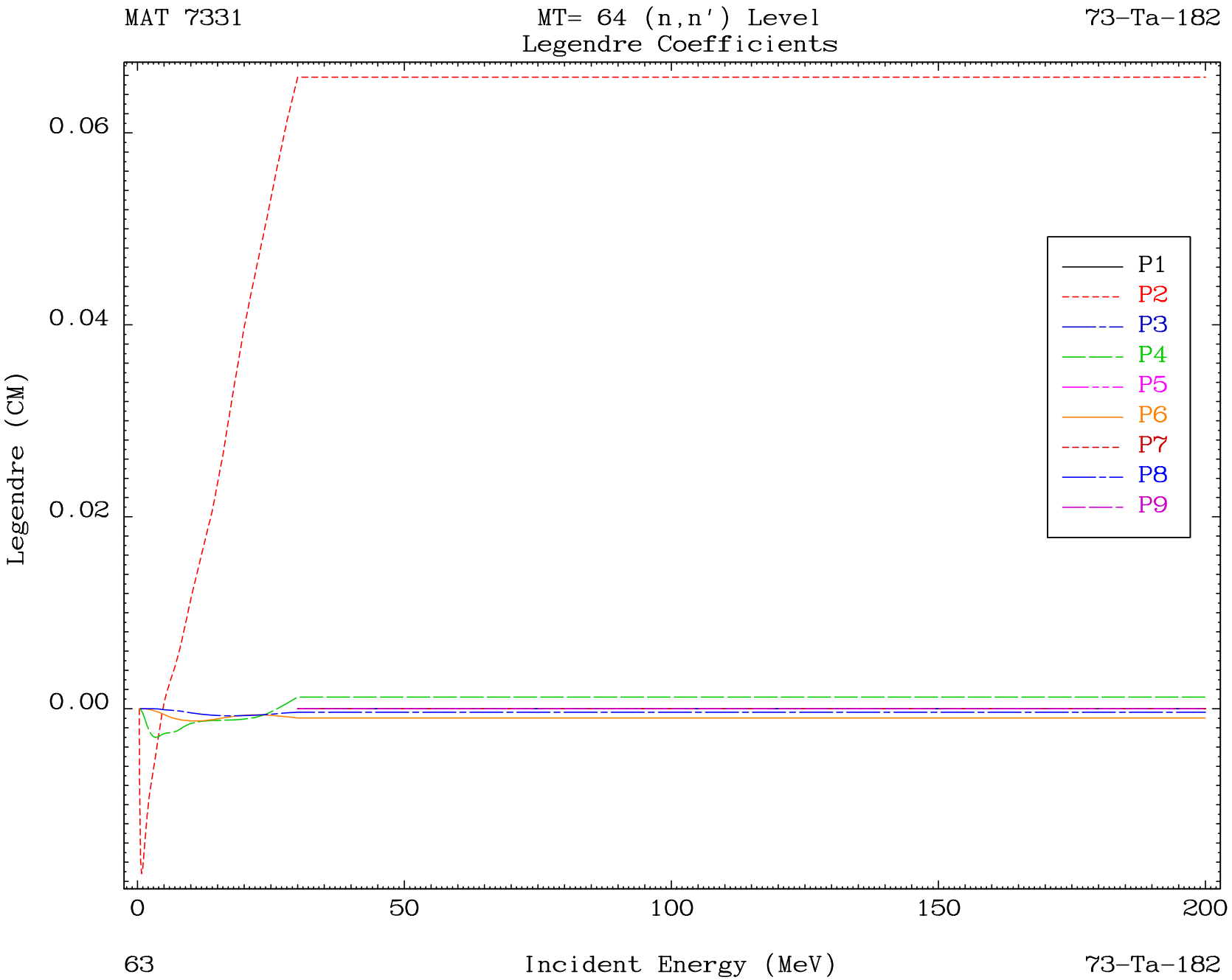

MAT 7331
MT= 62 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
58
Incident Energy (MeV)
73-Ta-182

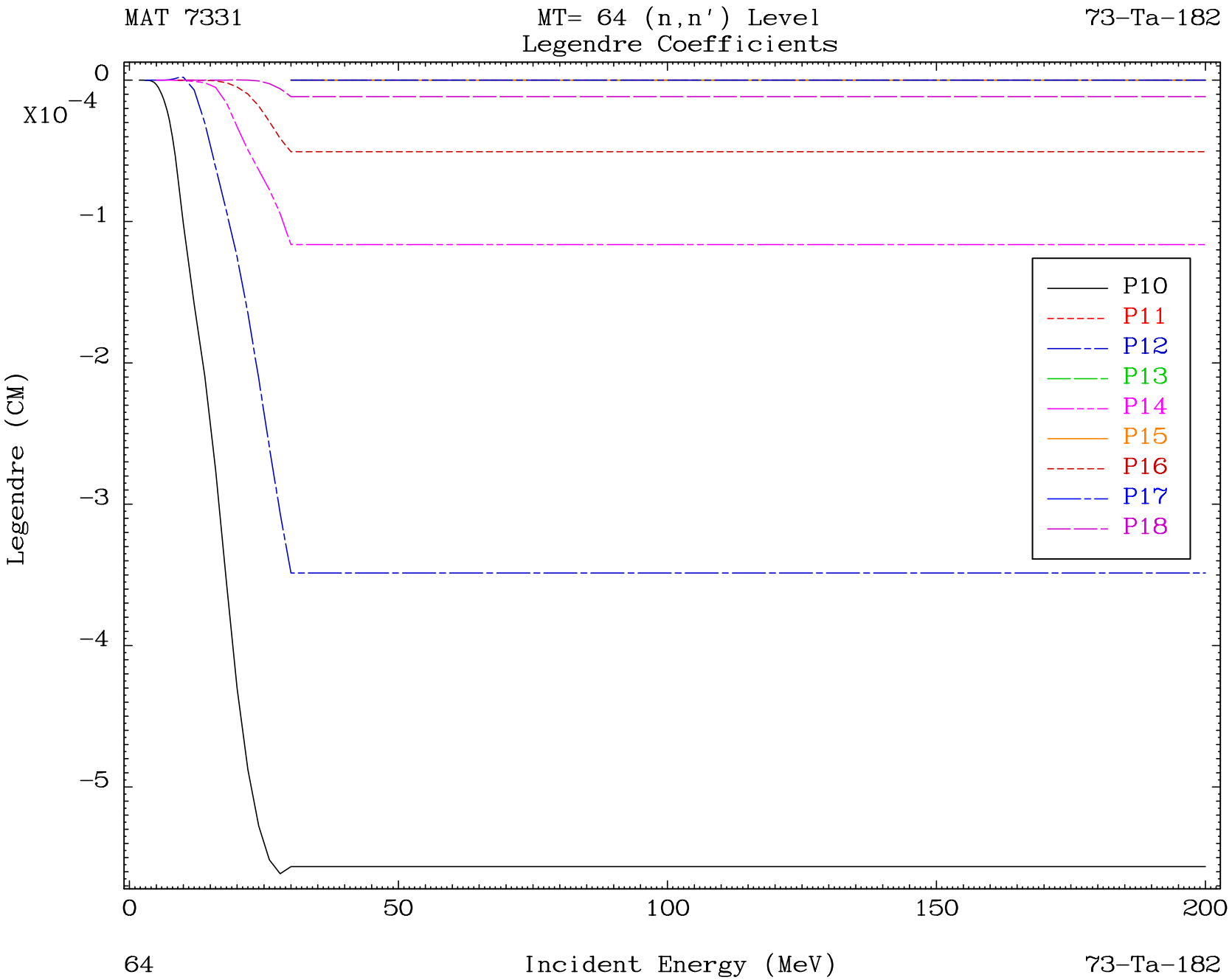

MAT 7331
MT= 62 (n,n') Level
Legendre Coefficients
73-Ta-182
0
X10 −6
−2
−4
−6
−8
Legendre (CM)
50
100
150
200
59
Incident Energy (MeV)
73-Ta-182
P28
P29
P30
P31
P32
P33
P34
P35
P36

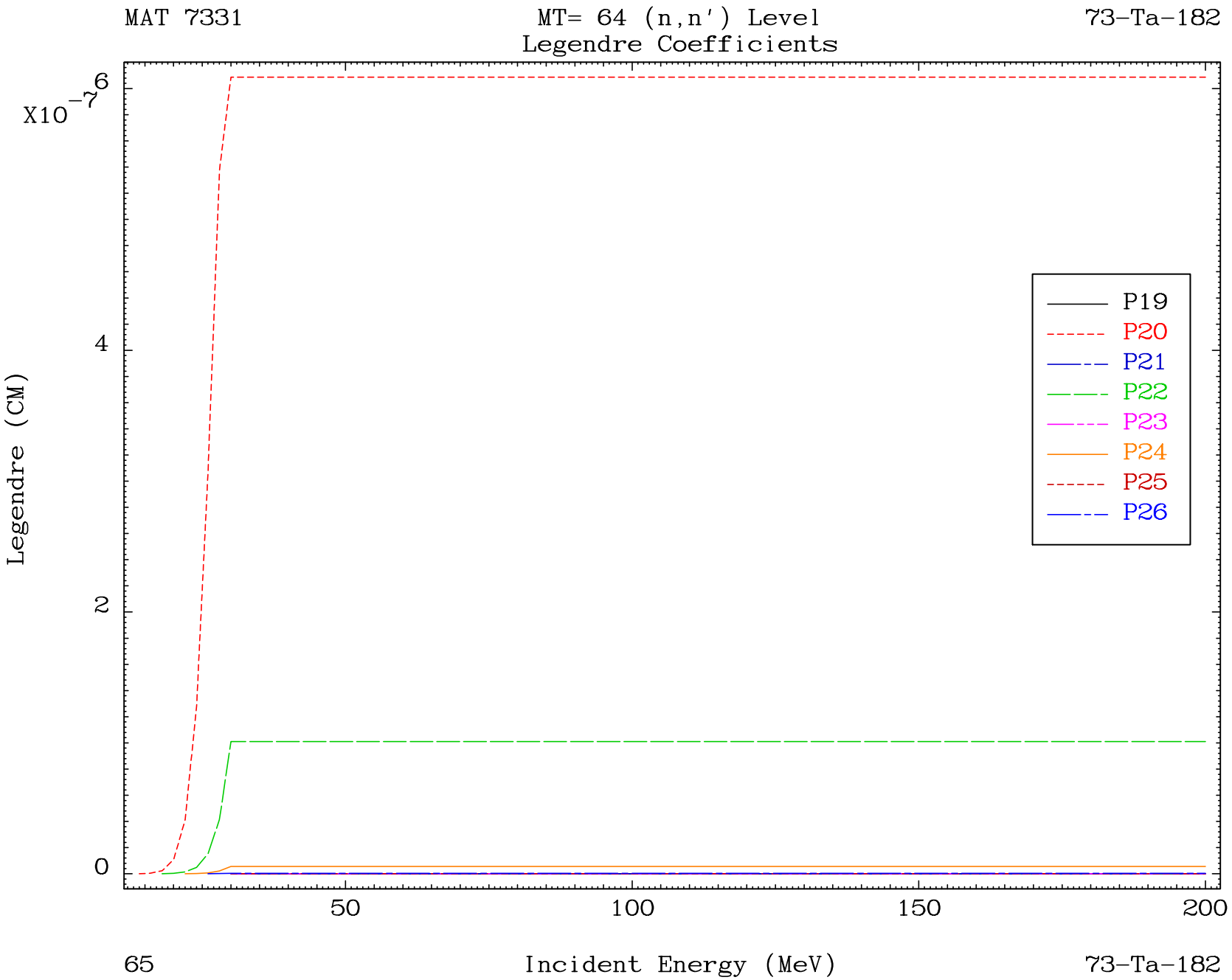

MAT 7331
MT= 63 (n,n') Level
Legendre Coefficients
73-Ta-182
0.04
0.02
0.00
-0.02
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
60
Incident Energy (MeV)
73-Ta-182

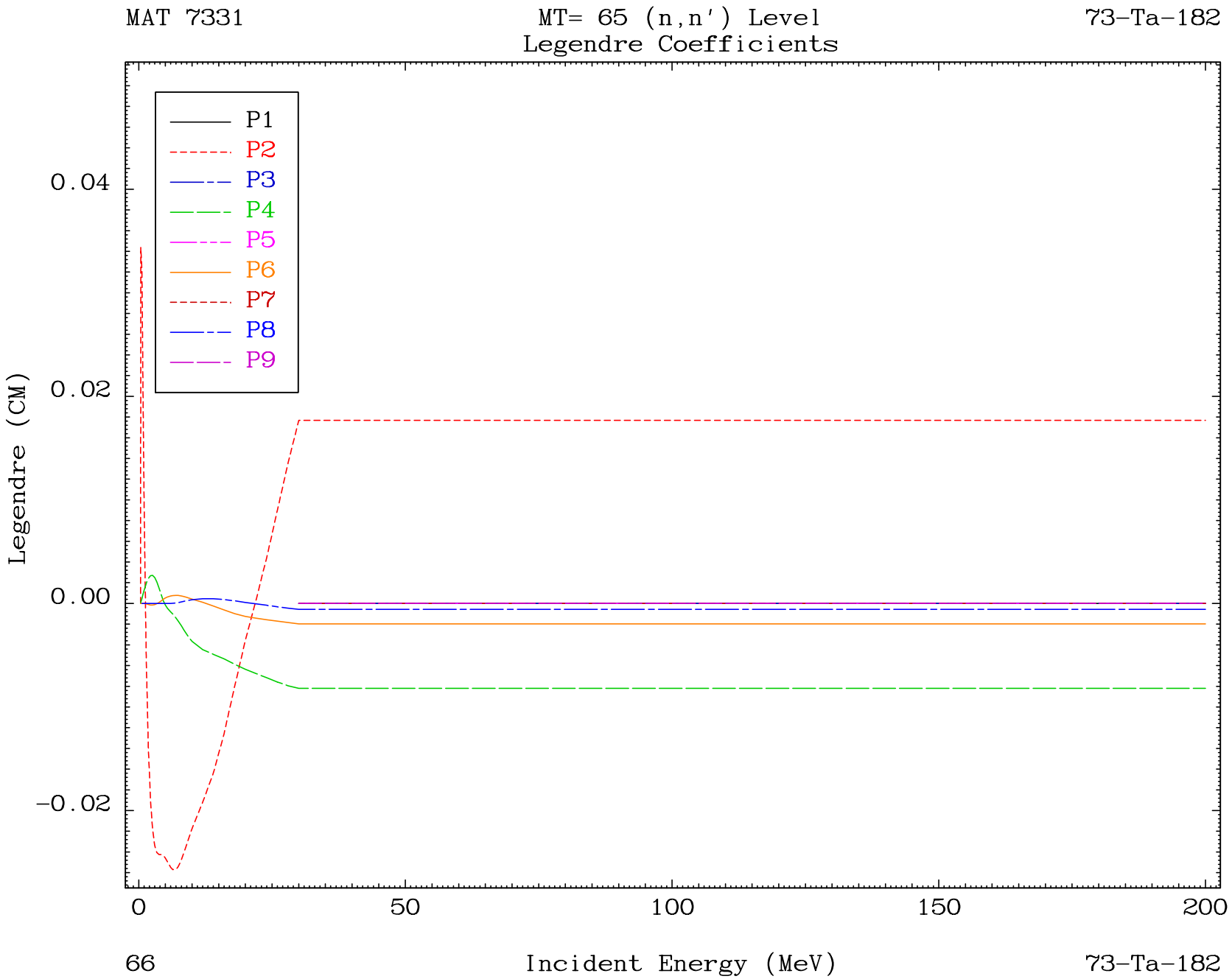

MAT 7331
MT= 63 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
1
0
-1
-2
-3
-4
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
73-Ta-182
P9
P10
P11
P12
P13
P14
P15
P16

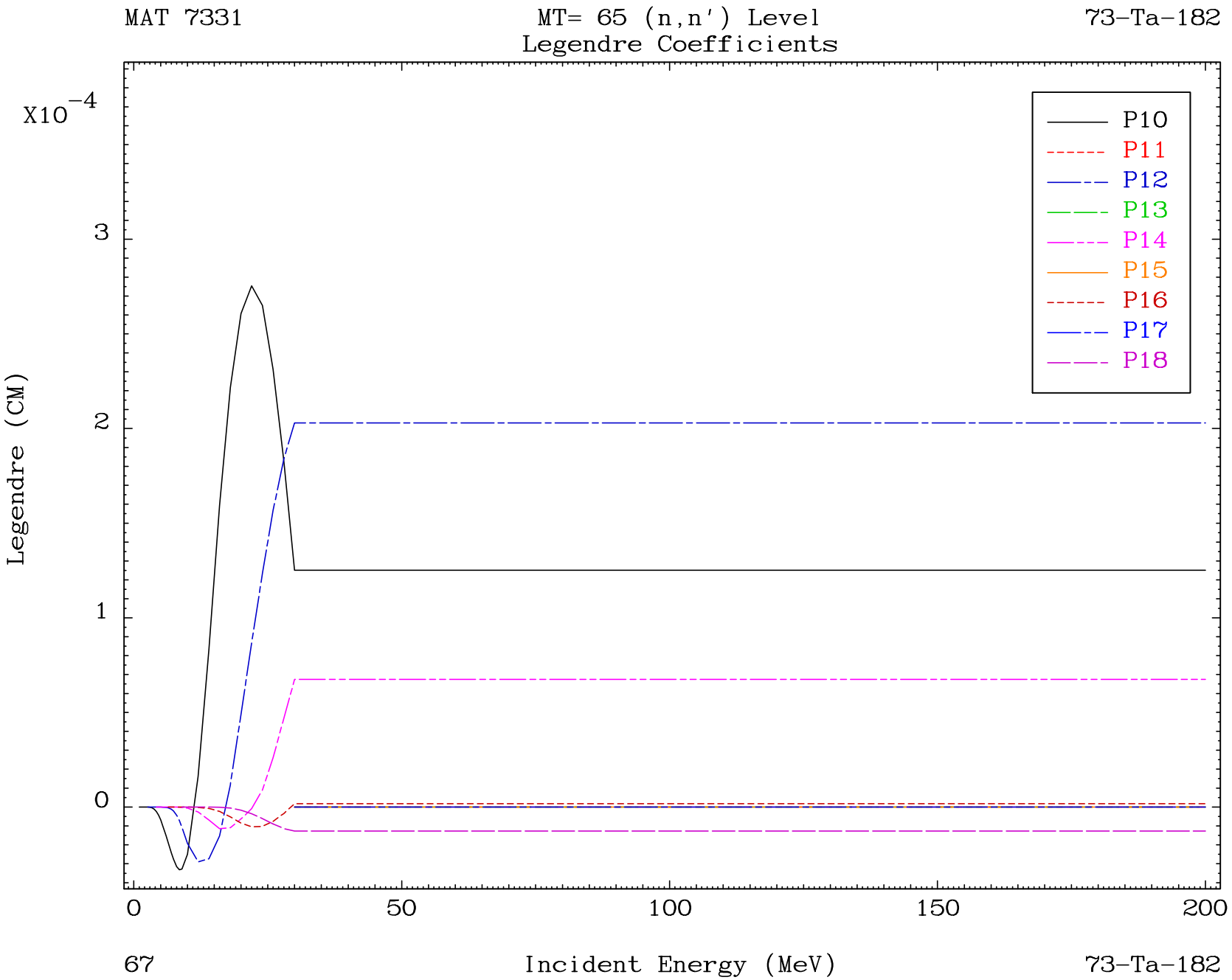

MAT 7331
MT= 63 (n,n') Level
Legendre Coefficients
73-Ta-182
X10-5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
62
Incident Energy (MeV)
73-Ta-182

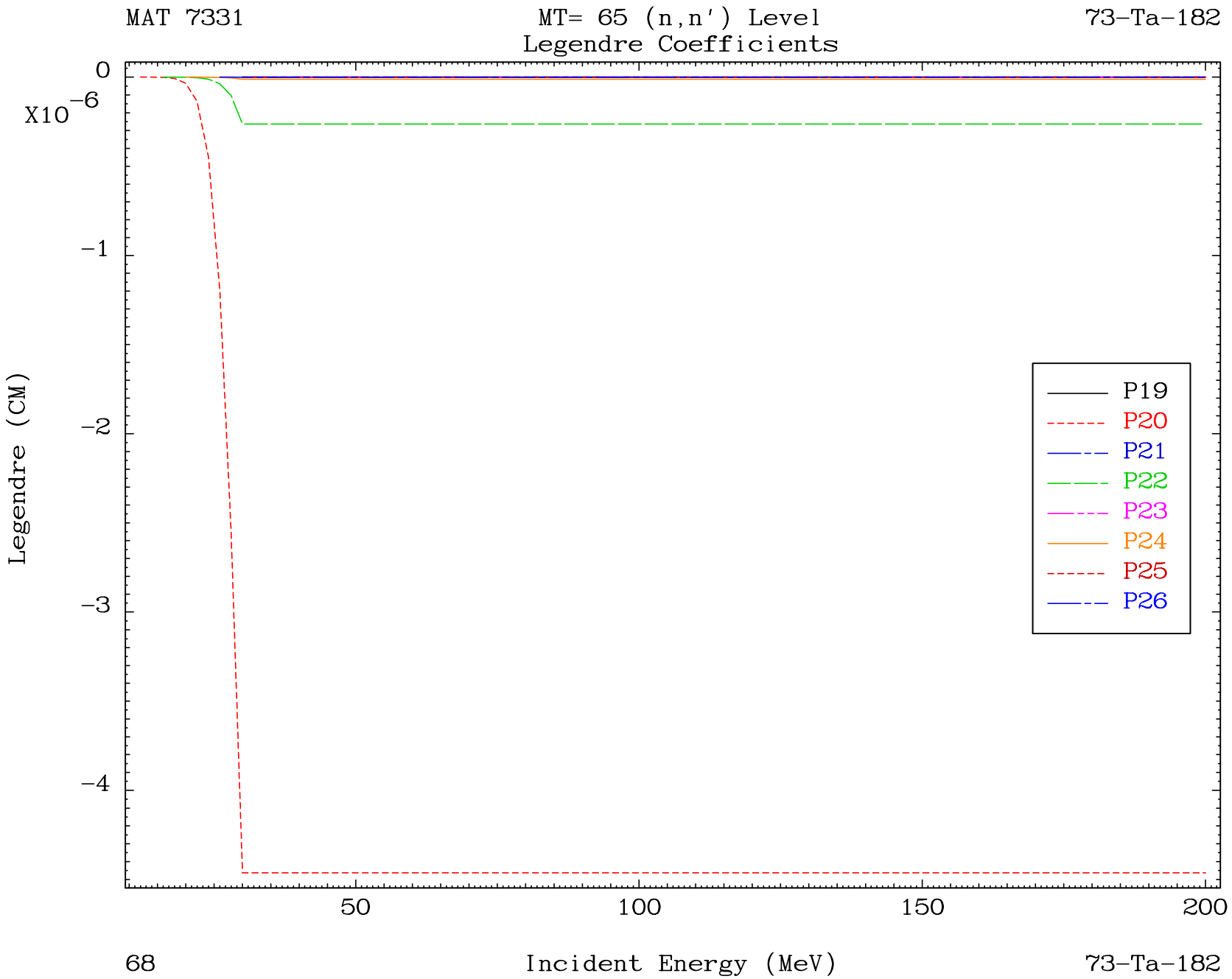

MAT 7331
MT= 64 (n,n') Level
Legendre Coefficients
73-Ta-182
0.06
0.04
0.02
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
63
Incident Energy (MeV)
73-Ta-182

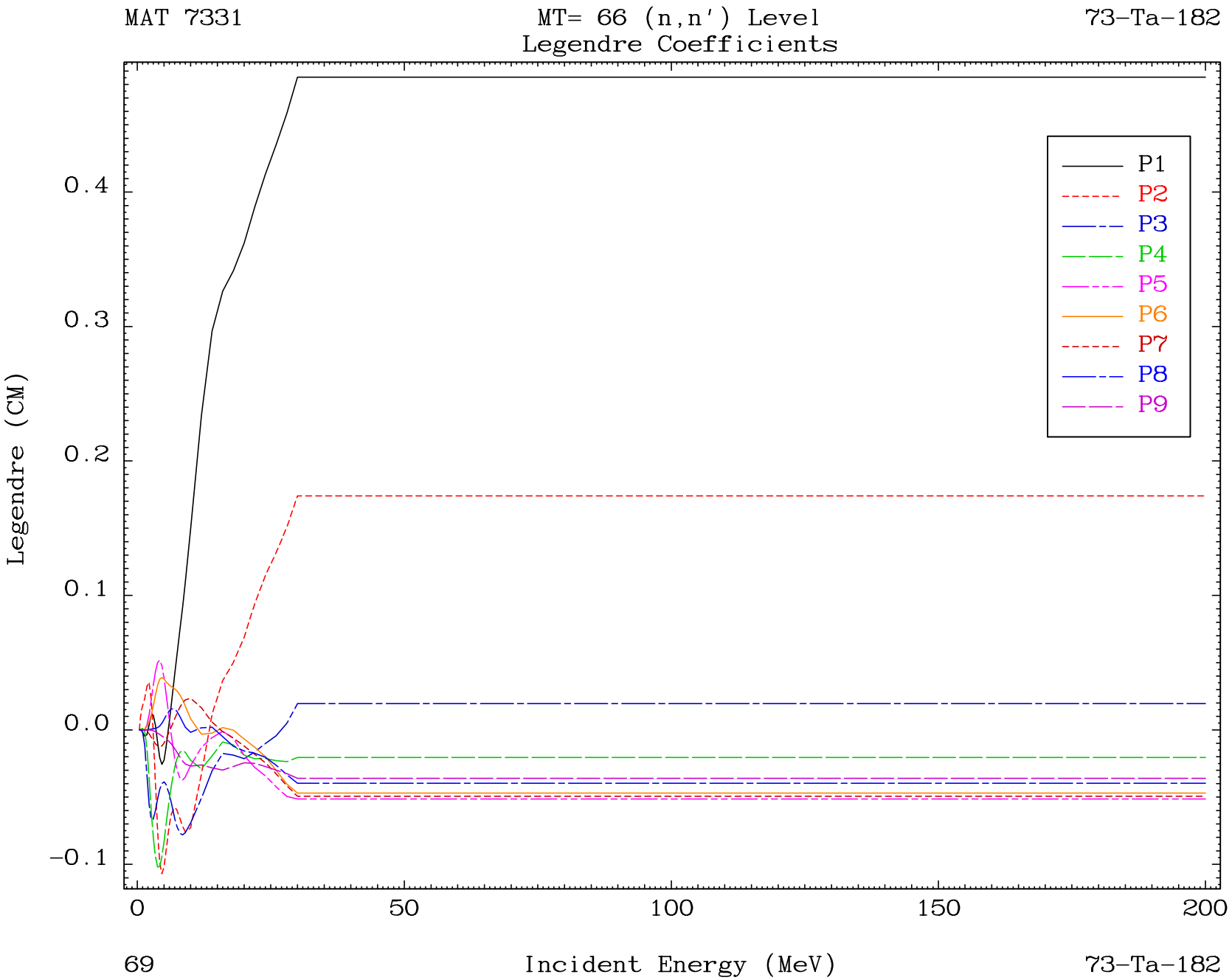

MAT 7331
MT= 64 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
0
-1
-2
-3
-4
-5
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
64
Incident Energy (MeV)
73-Ta-182

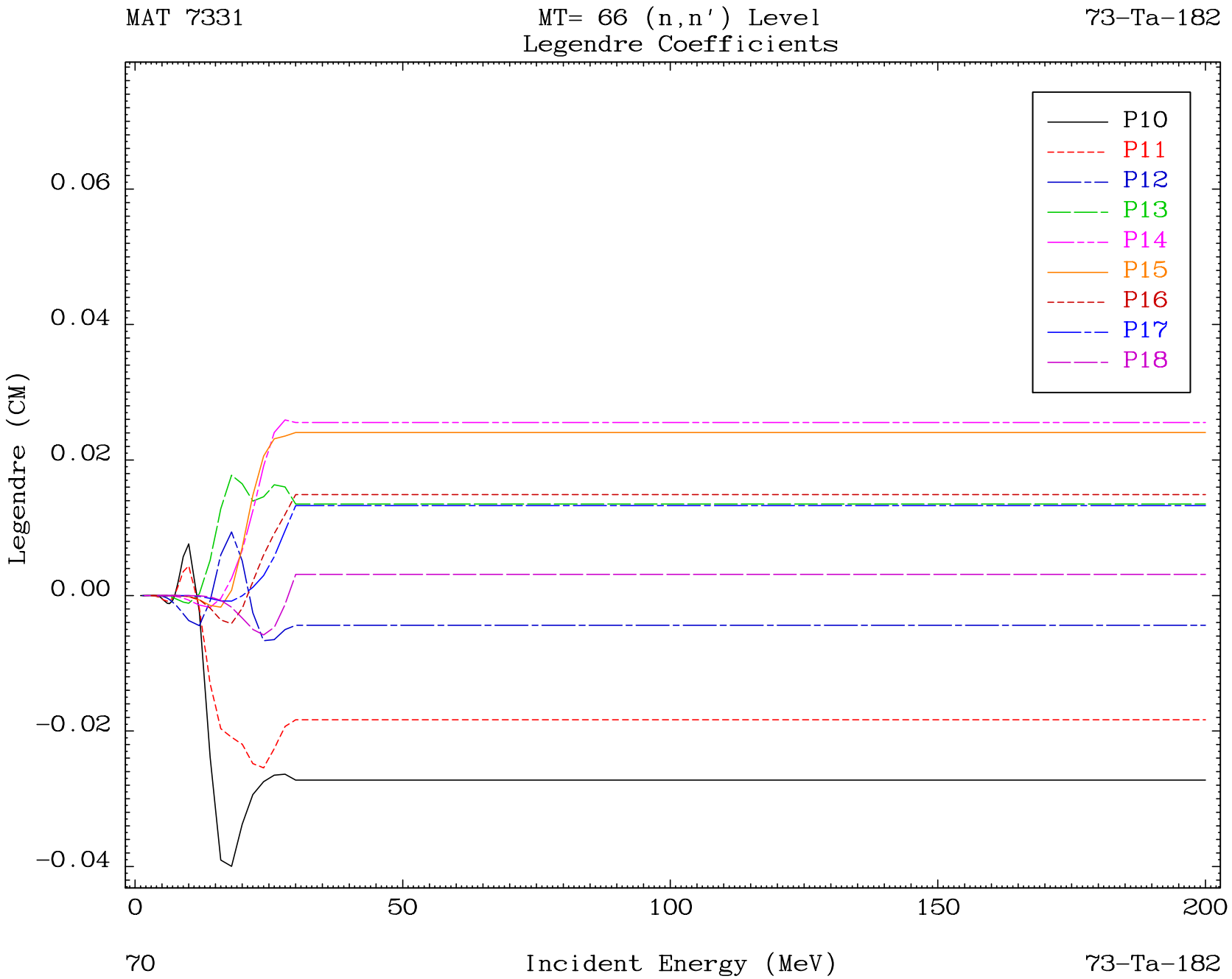

MAT 7331
MT= 64 (n,n') Level
Legendre Coefficients
73-Ta-182
X10-2
6
4
2
0
Legendre (CM)
50
100
150
200
65
Incident Energy (MeV)
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26

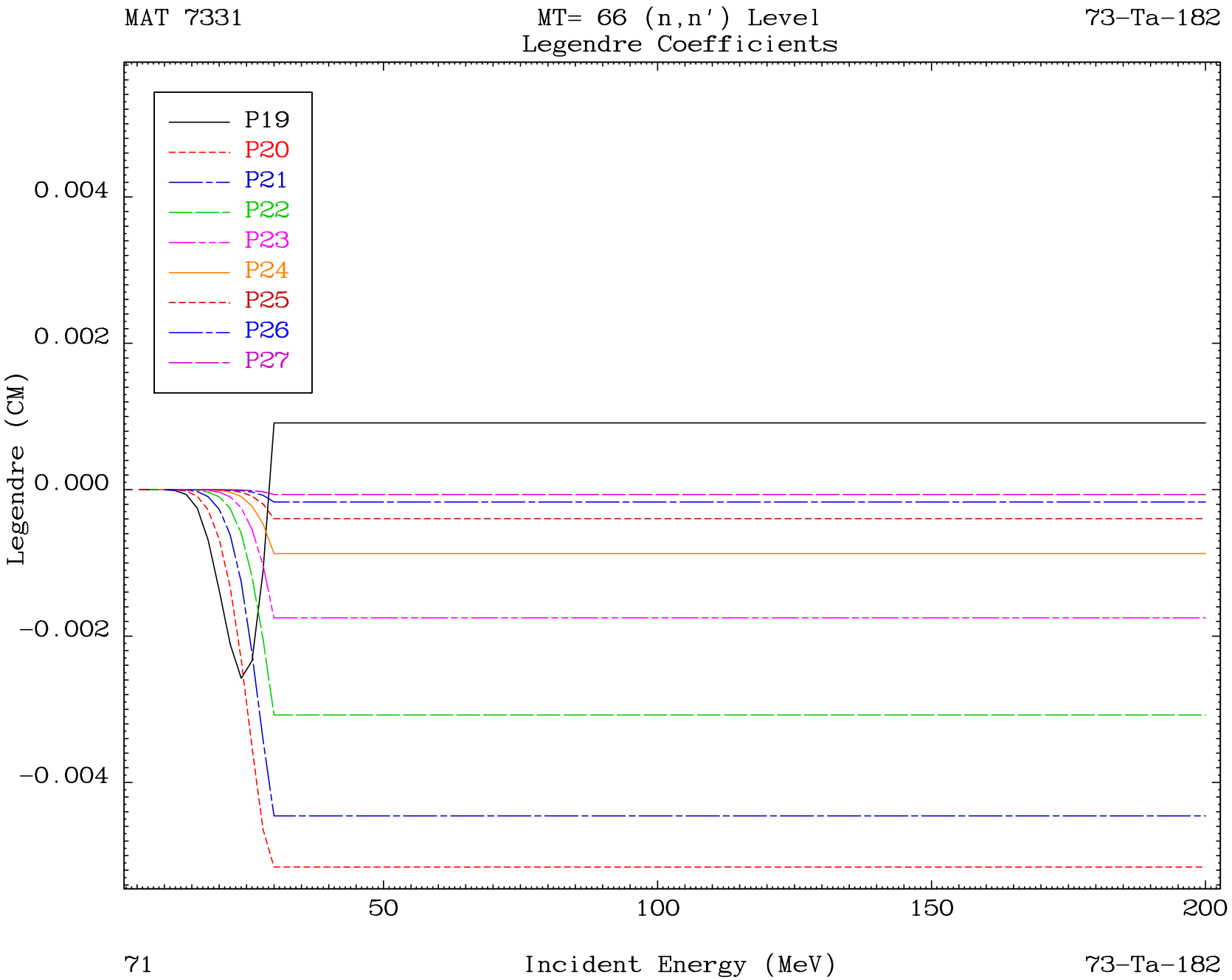

MAT 7331
MT= 65 (n,n') Level
Legendre Coefficients
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
66
Incident Energy (MeV)
73-Ta-182

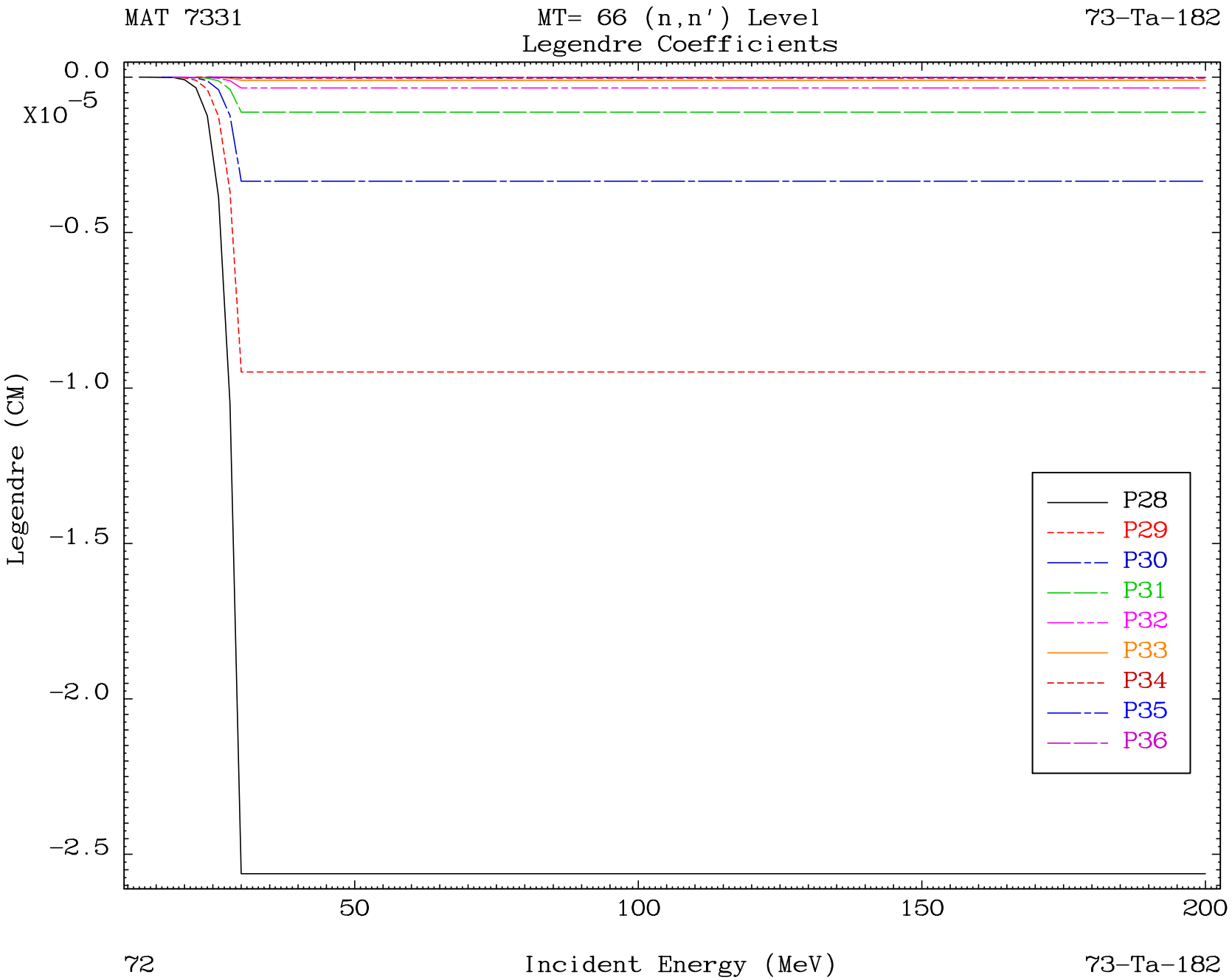

MAT 7331
MT= 65 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-4
3
2
1
0
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
67
Incident Energy (MeV)
73-Ta-182

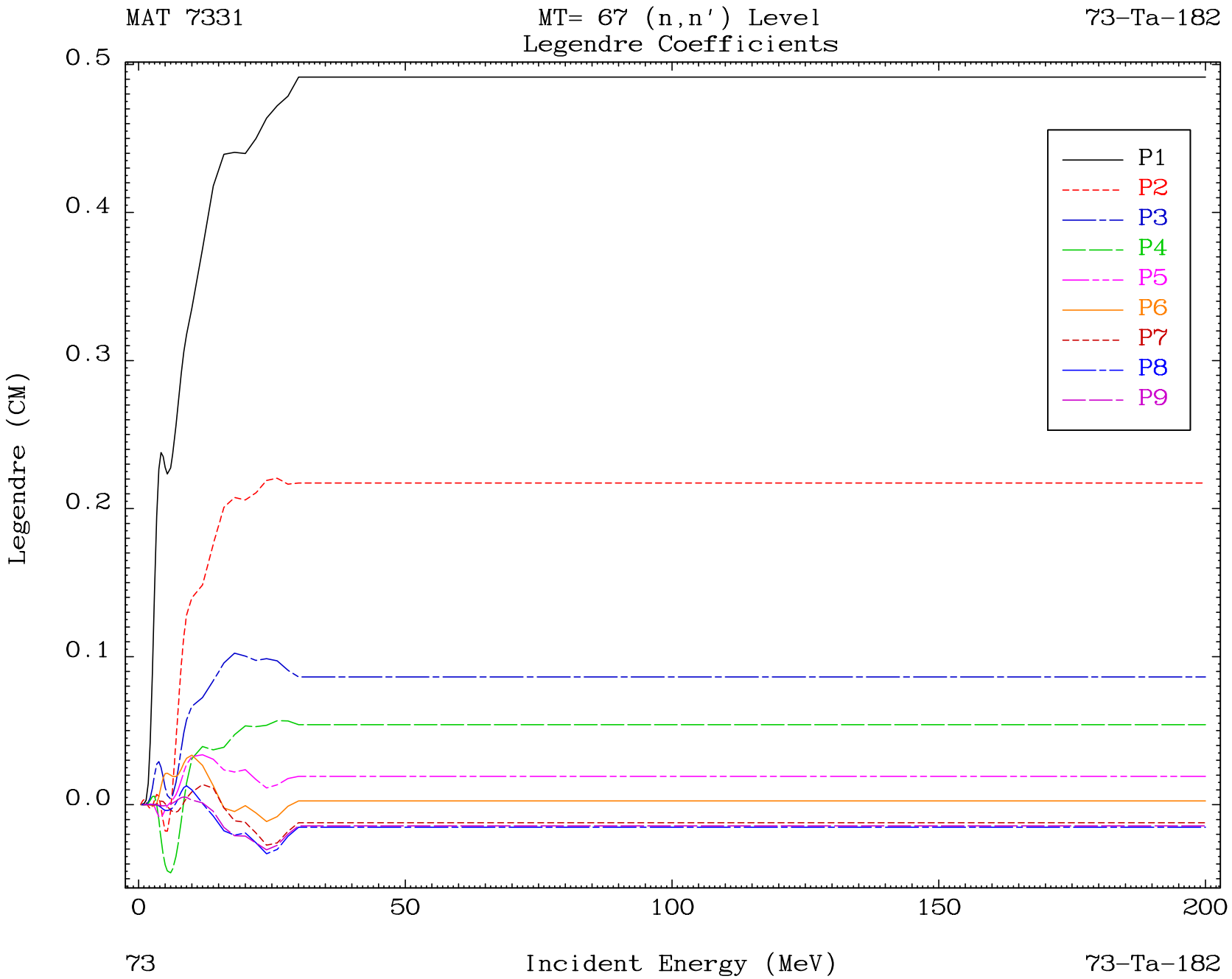

MAT 7331
MT= 65 (n,n') Level
Legendre Coefficients
73-Ta-182
0
X10−6
−1
−2
−3
−4
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
68
Incident Energy (MeV)
73-Ta-182

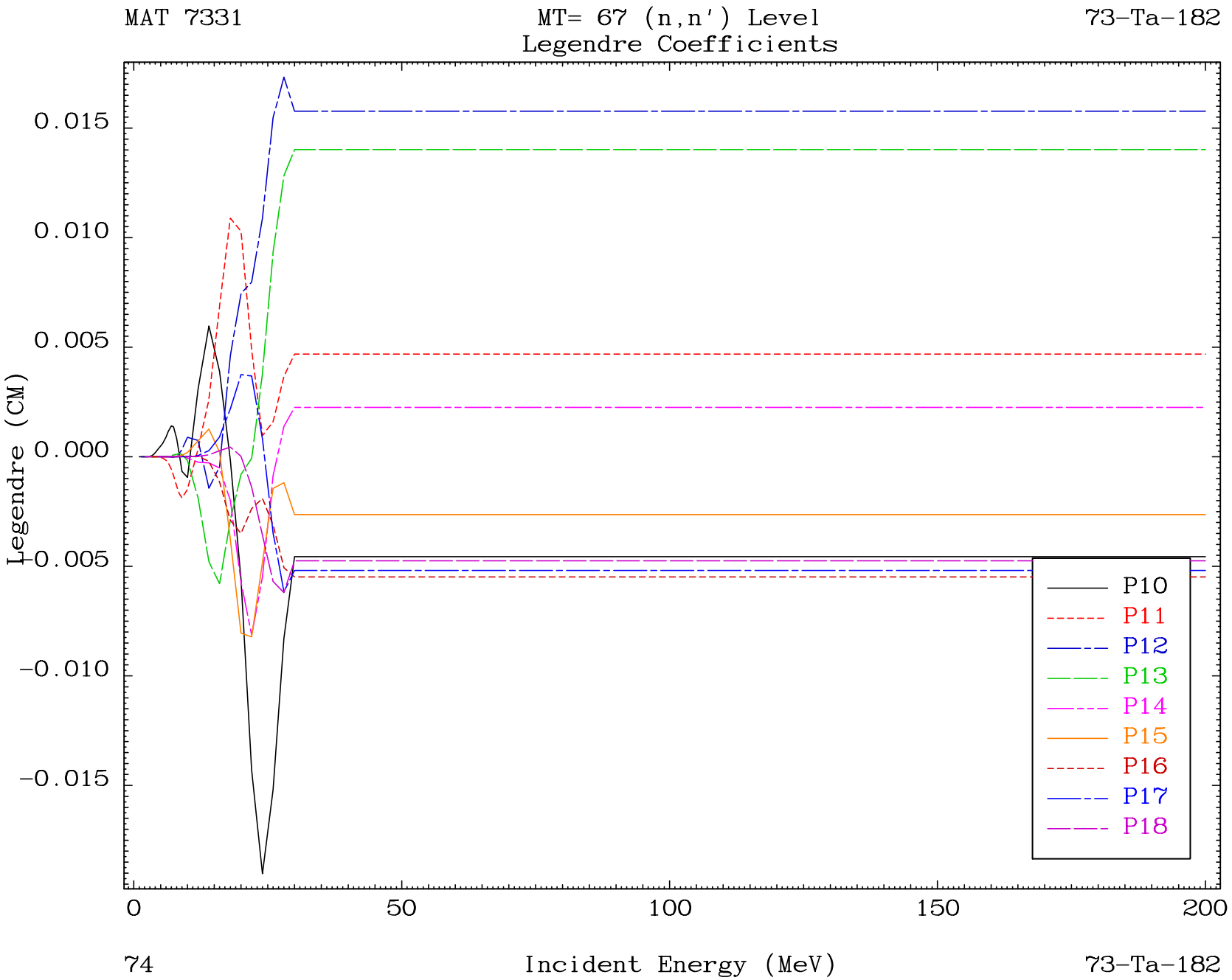

MAT 7331
MT= 66 (n,n') Level
Legendre Coefficients
73-Ta-182
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
69
Incident Energy (MeV)
73-Ta-182
P1
P2
P3
P4
P5
P6
P7
P8
P9

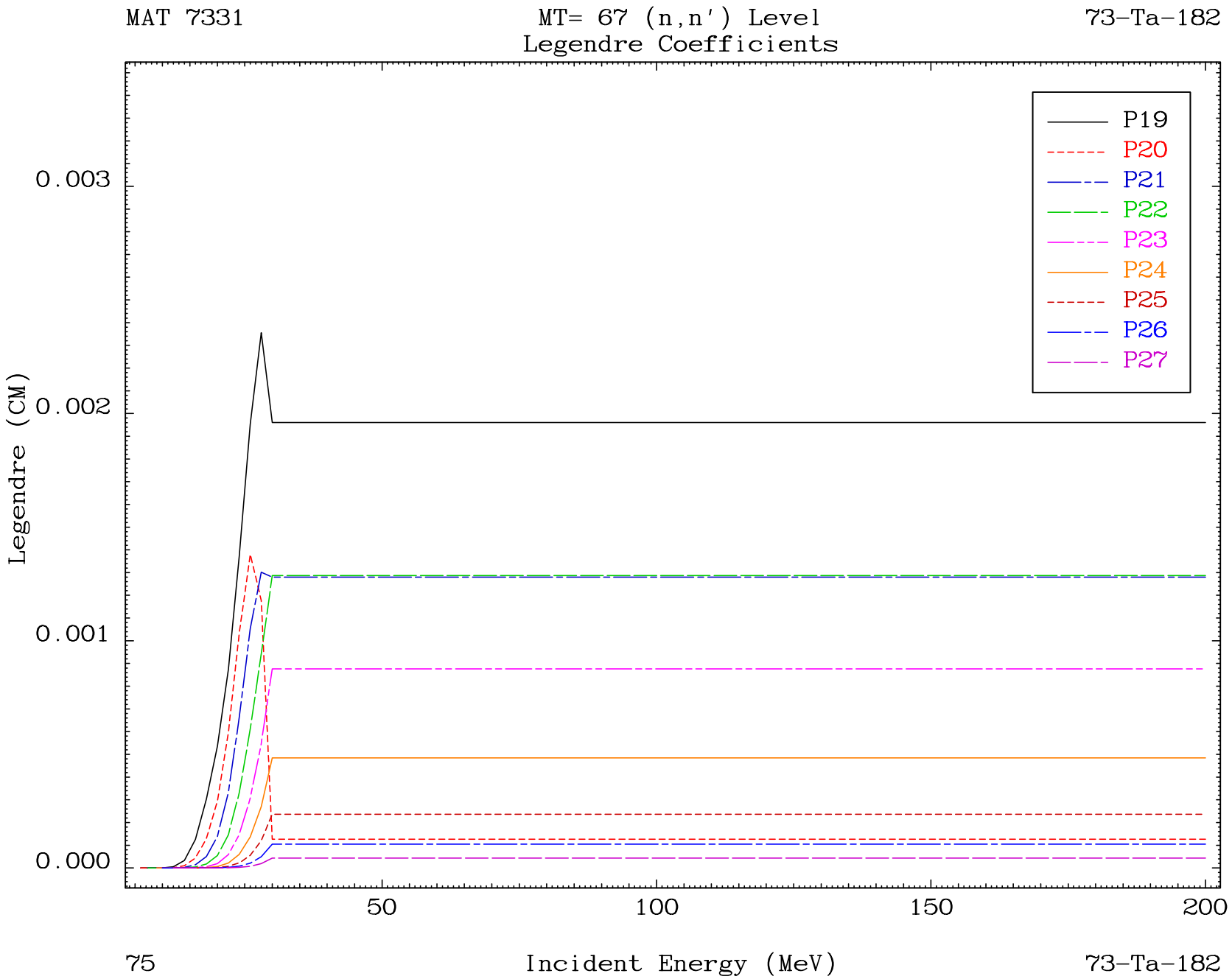

MAT 7331
MT= 66 (n,n') Level
Legendre Coefficients
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
70
Incident Energy (MeV)
73-Ta-182

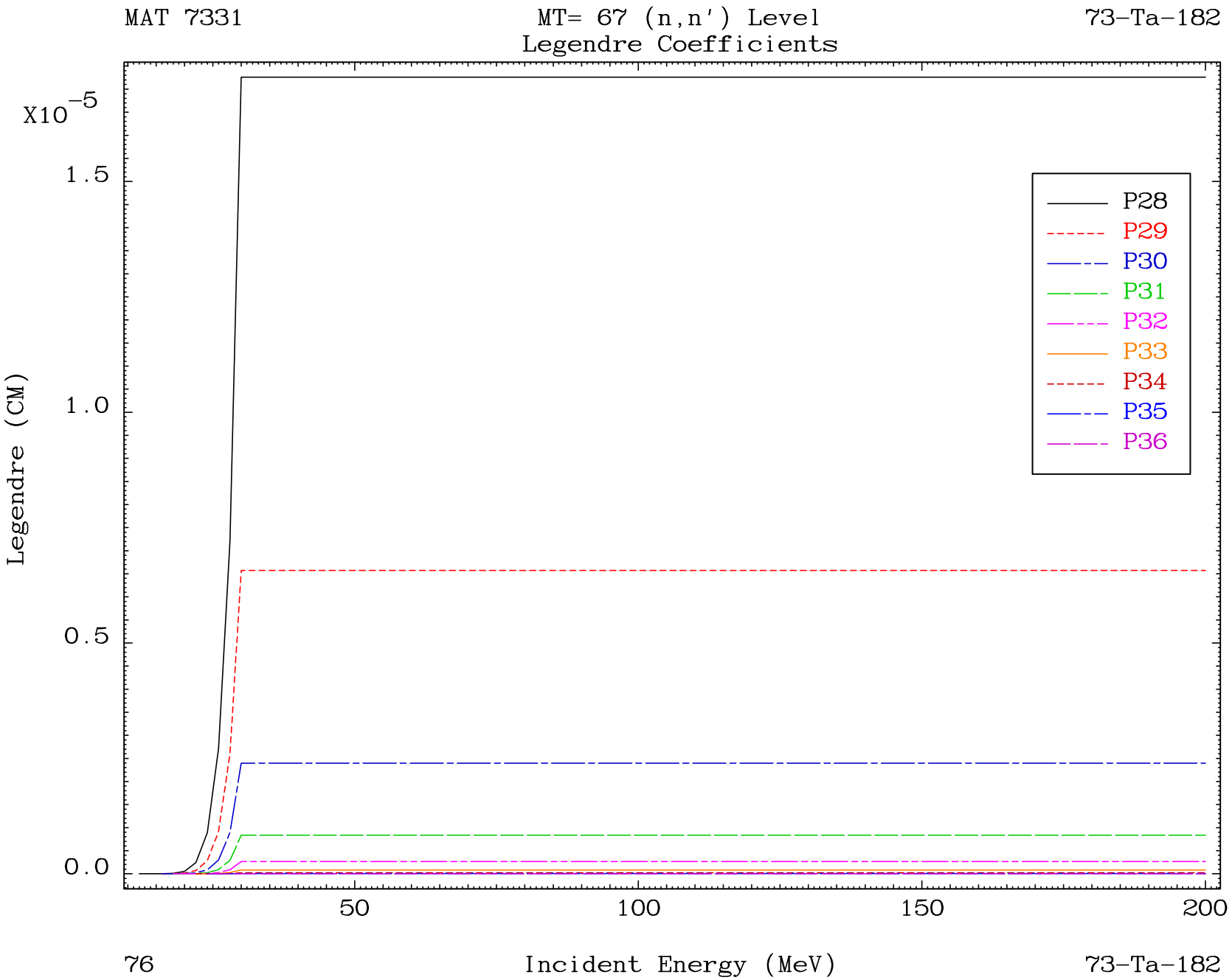

MAT 7331
MT= 66 (n,n') Level
Legendre Coefficients
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.004
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
73-Ta-182

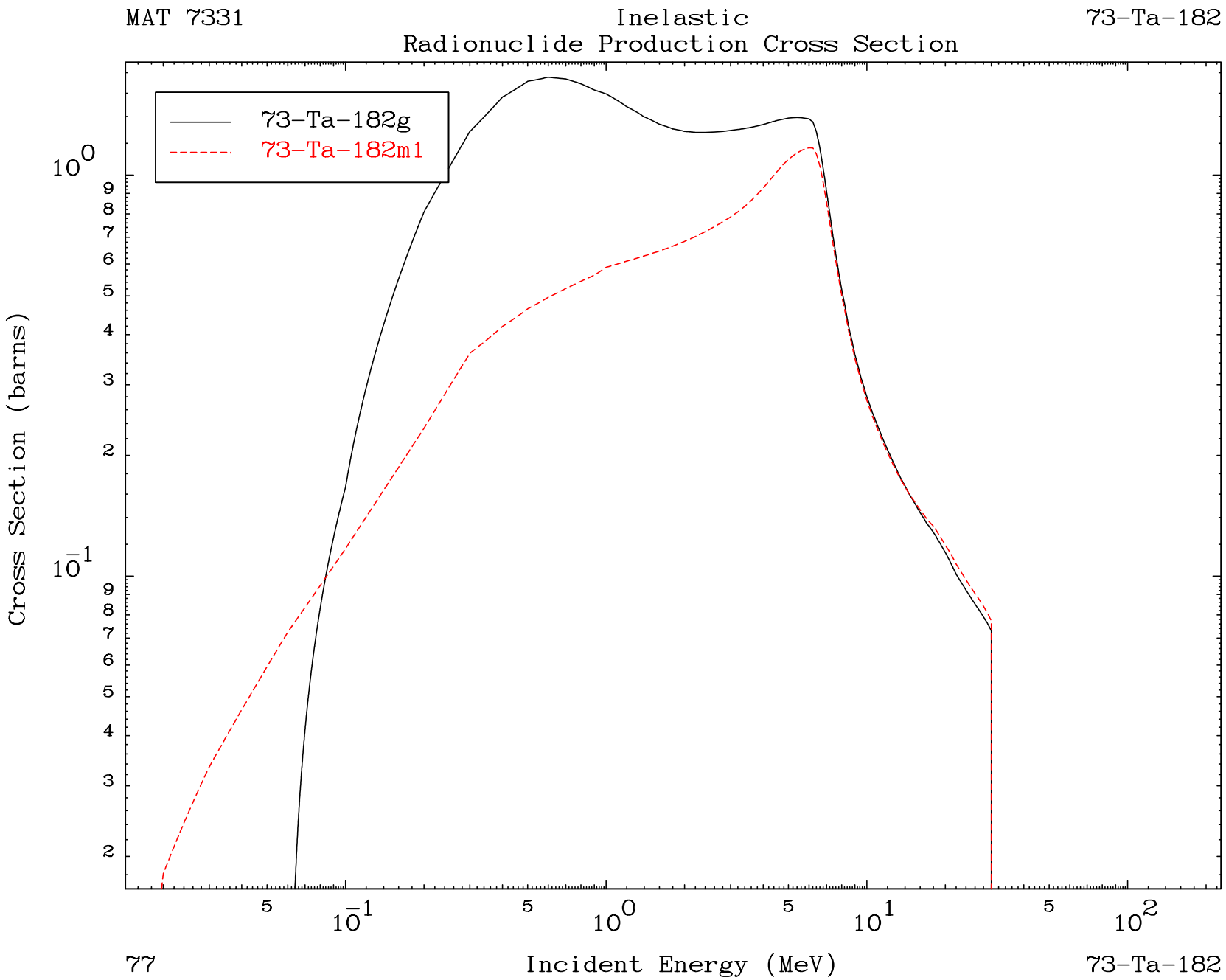

MAT 7331
MT= 66 (n,n') Level
Legendre Coefficients
73-Ta-182
0.0
X10^-5
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
72
Incident Energy (MeV)
73-Ta-182
P28
P29
P30
P31
P32
P33
P34
P35
P36

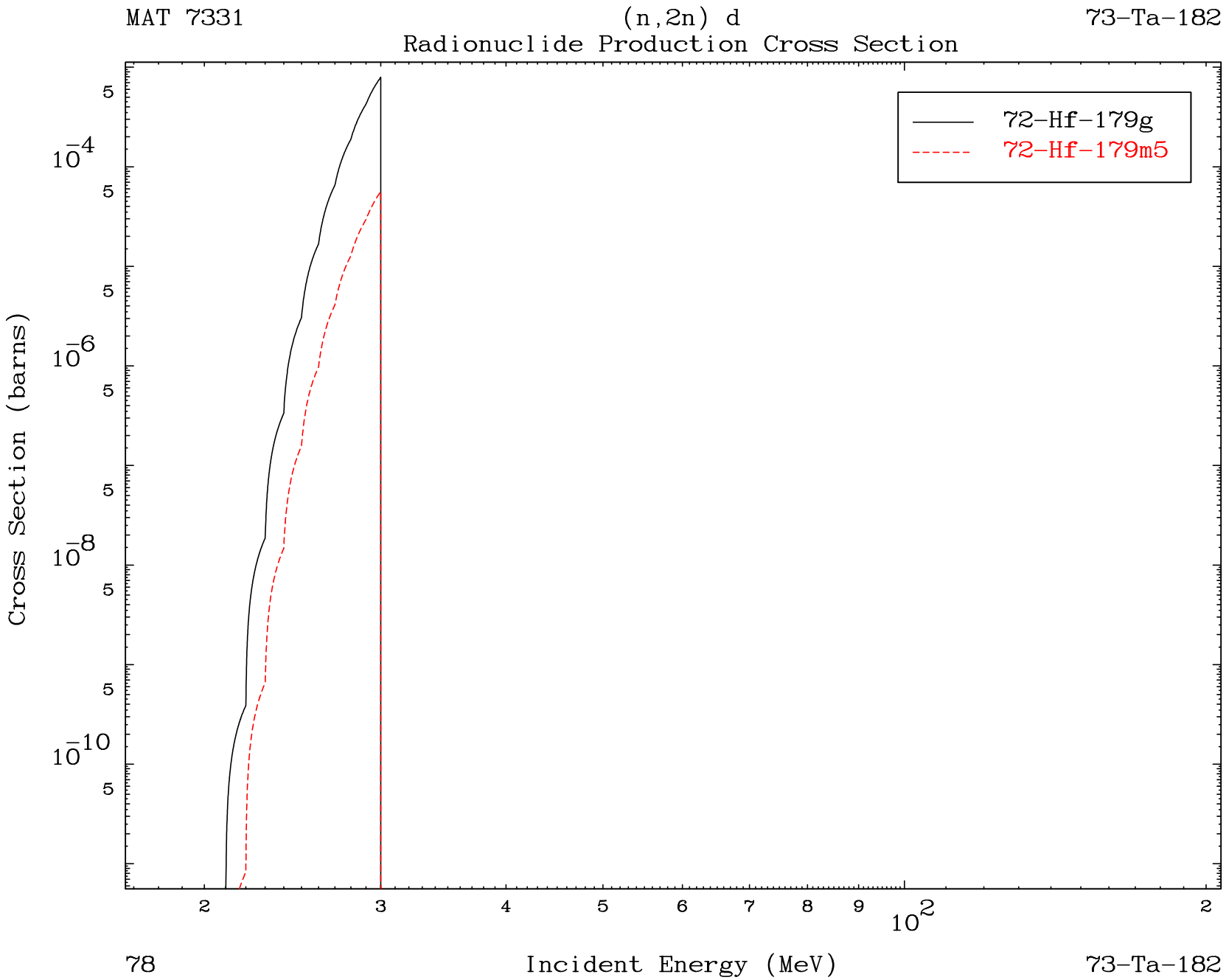

MAT 7331
MT= 67 (n,n') Level
Legendre Coefficients
73-Ta-182
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
73
Incident Energy (MeV)
73-Ta-182

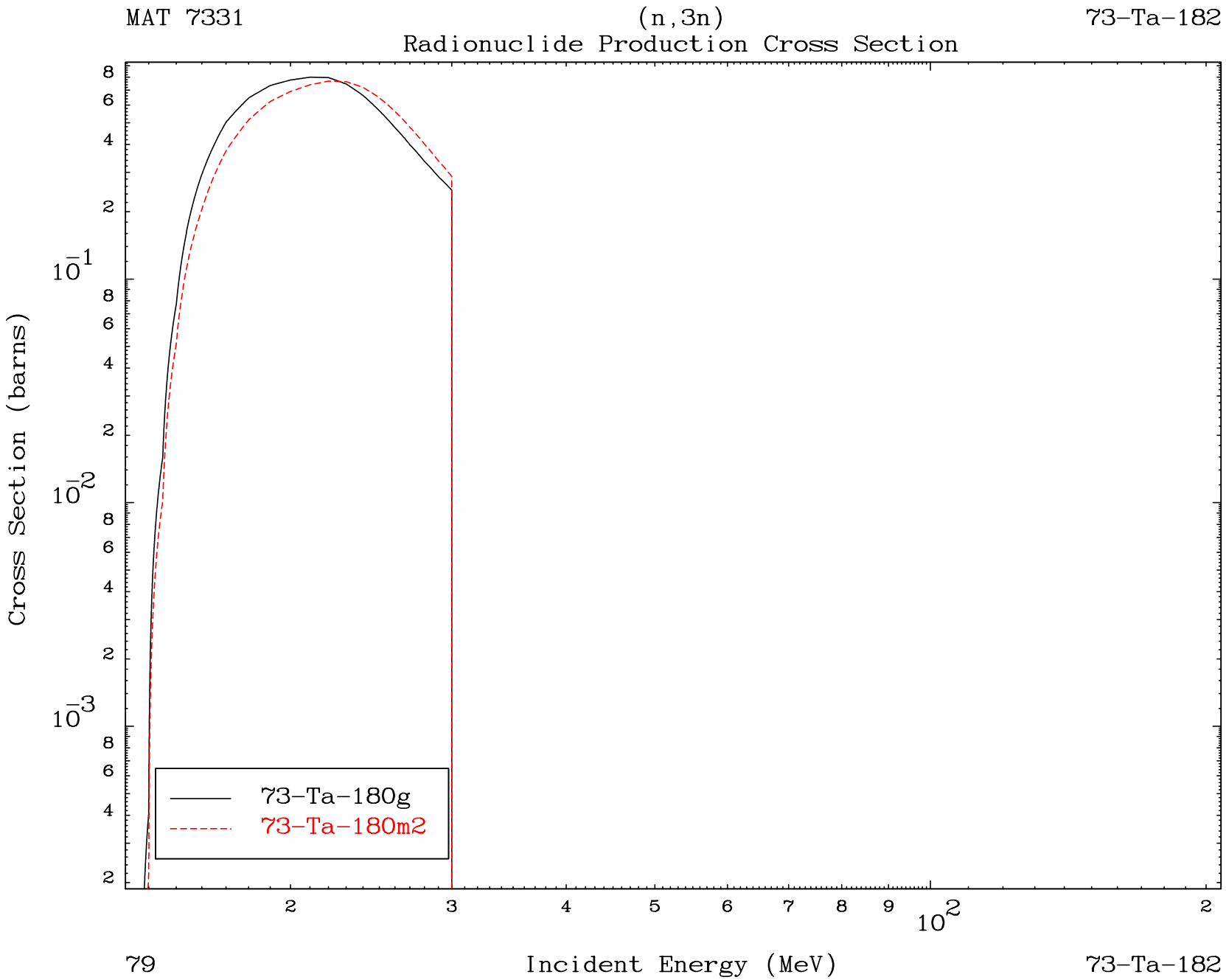

MAT 7331
MT= 67 (n,n') Level
Legendre Coefficients
73-Ta-182
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.015
Legendre (CM)
0
50
100
150
200
74
Incident Energy (MeV)
73-Ta-182
P10
P11
P12
P13
P14
P15
P16
P17
P18

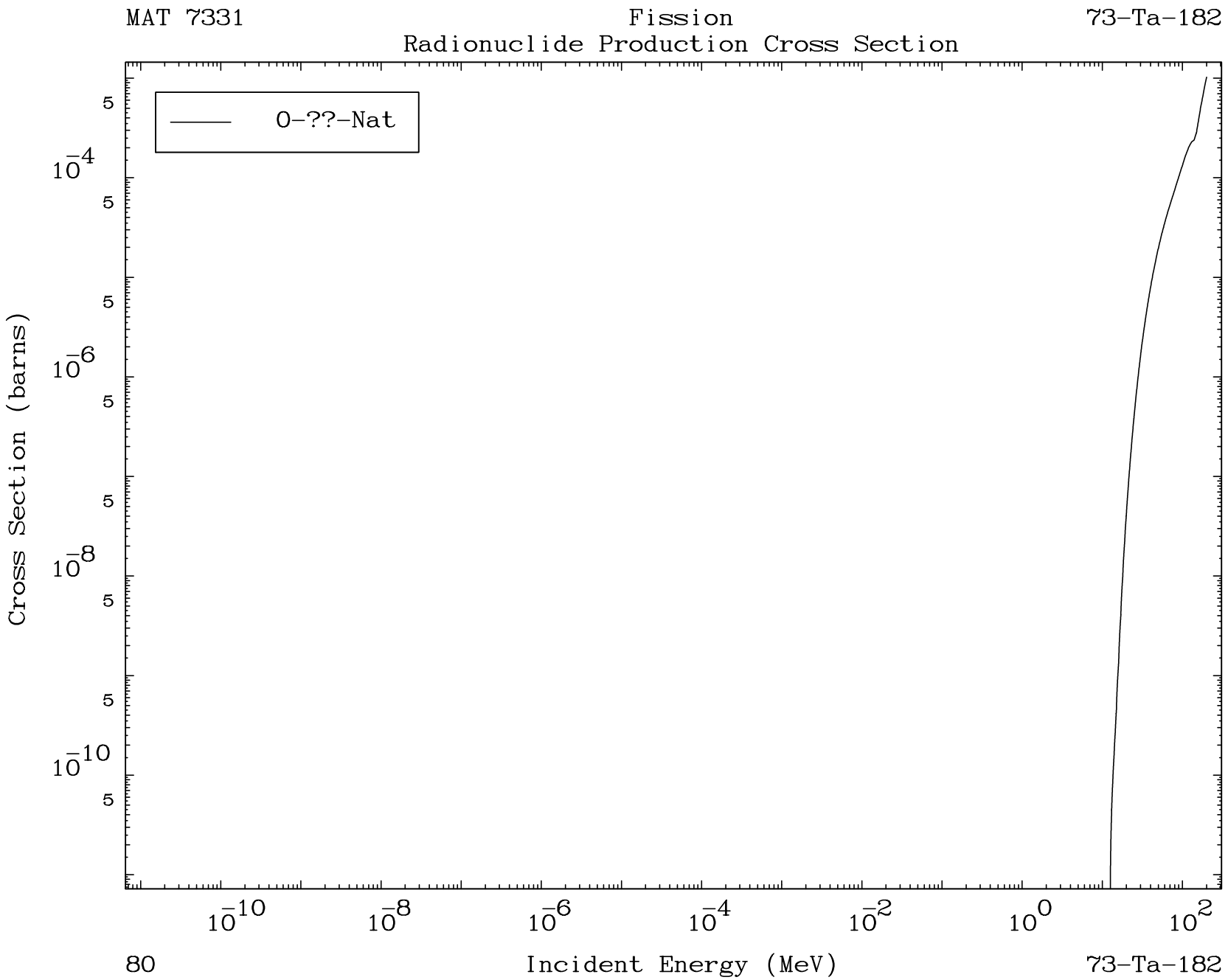

MAT 7331
MT= 67 (n,n') Level
Legendre Coefficients
73-Ta-182
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
73-Ta-182

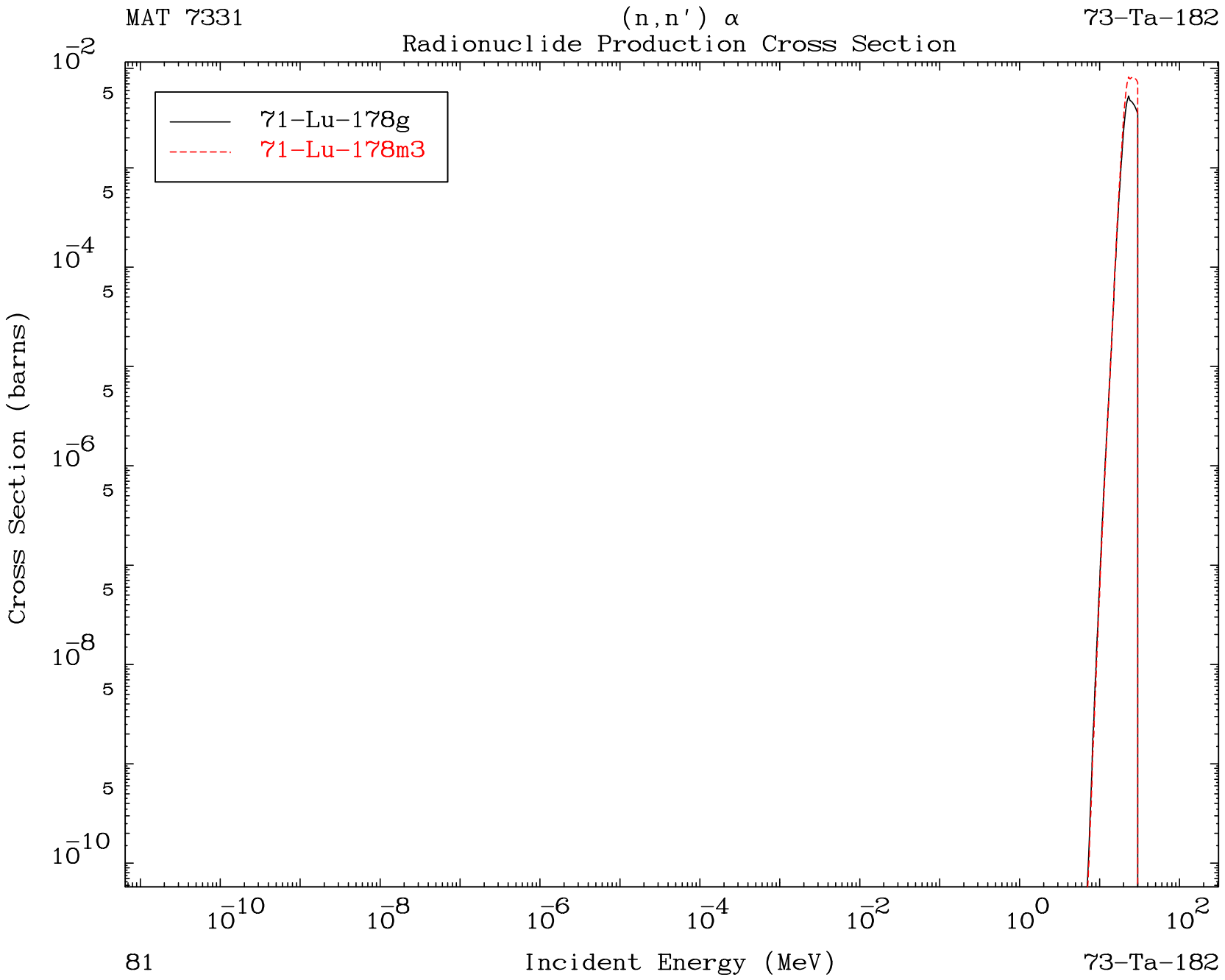

MAT 7331
MT= 67 (n,n') Level
Legendre Coefficients
73-Ta-182
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
76
Incident Energy (MeV)
73-Ta-182

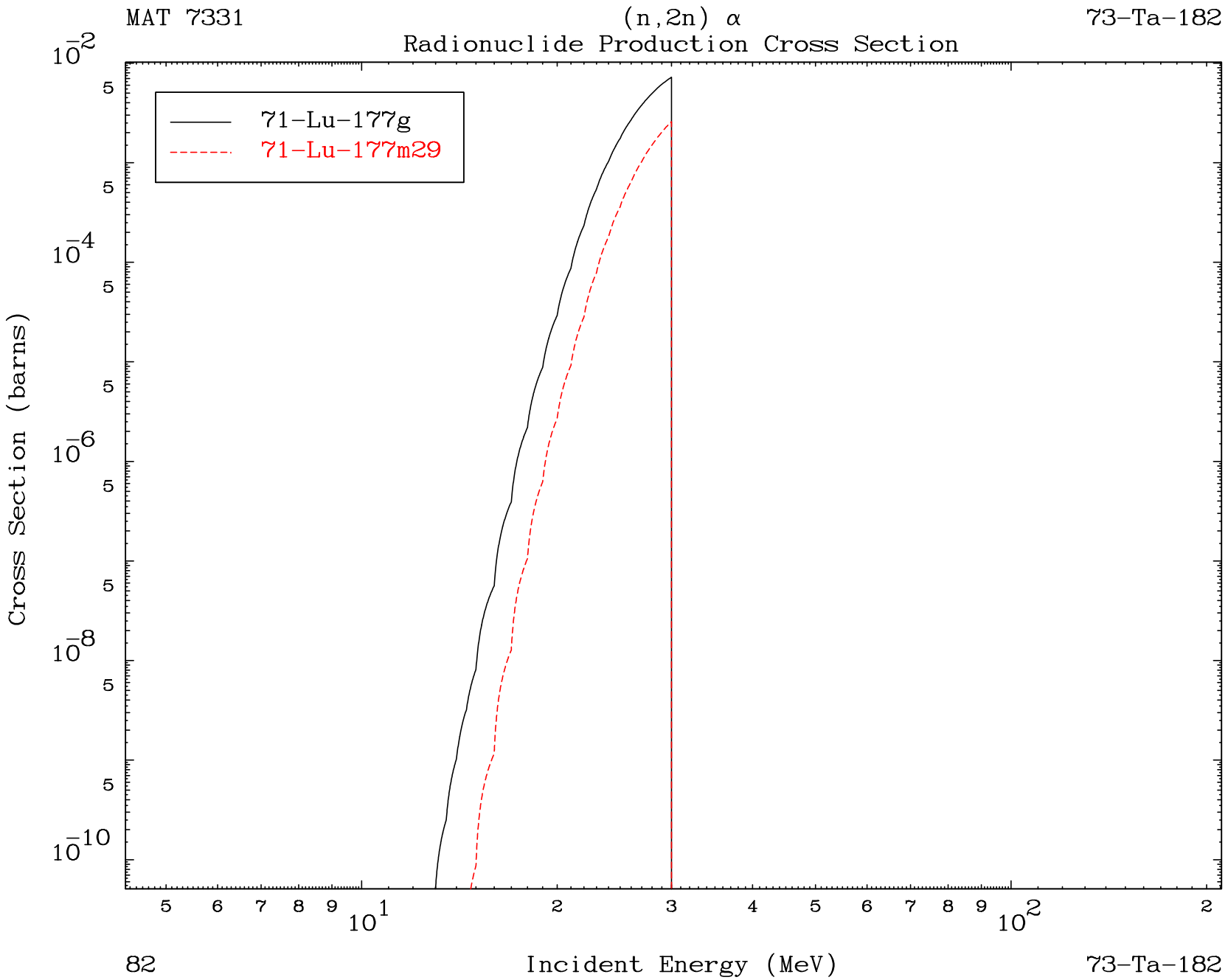

MAT 7331
Inelastic
73-Ta-182
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
Cross Section (barns)
Incident Energy (MeV)
77
73-Ta-182

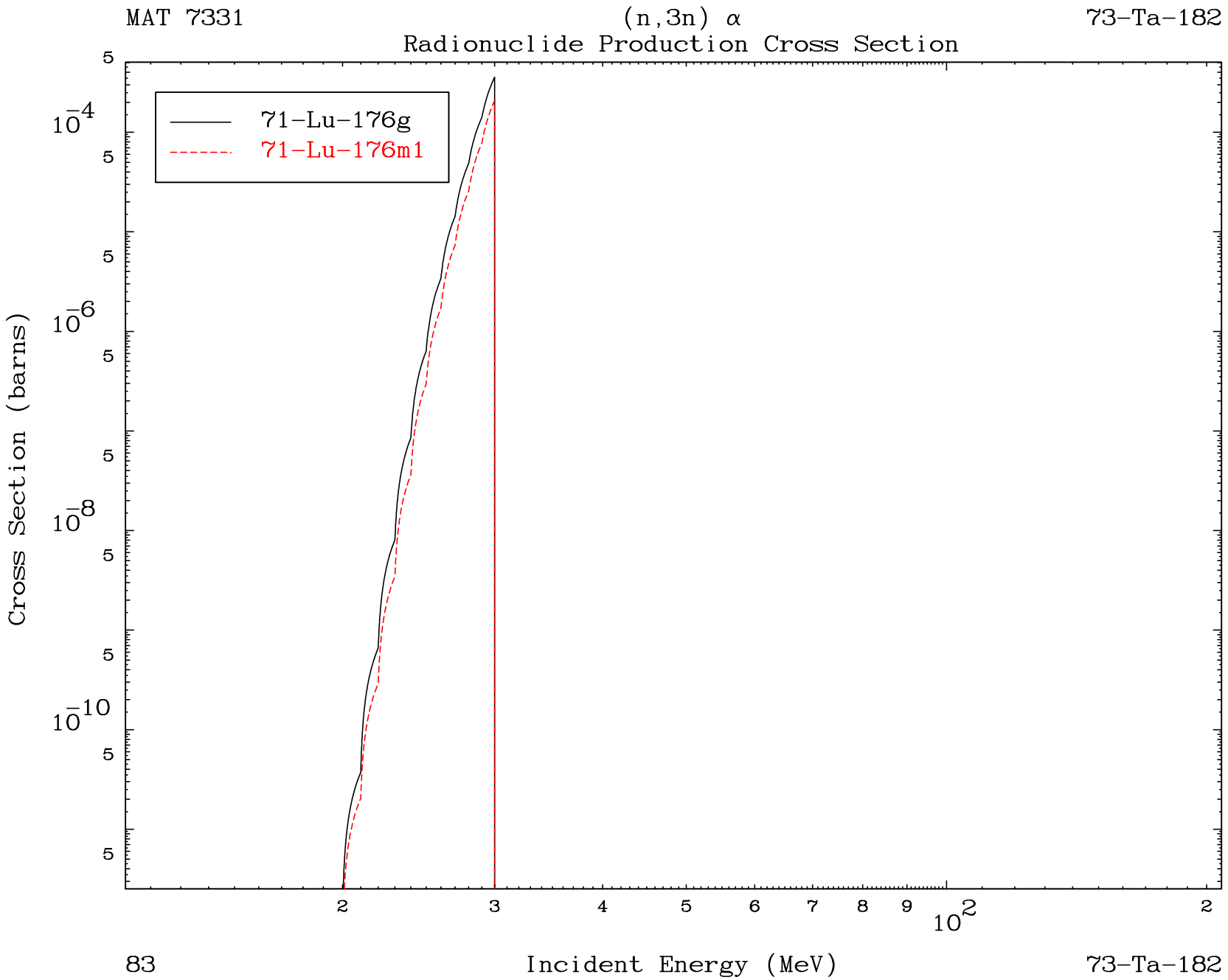

MAT 7331
(n,2n) d
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
78
73-Ta-182

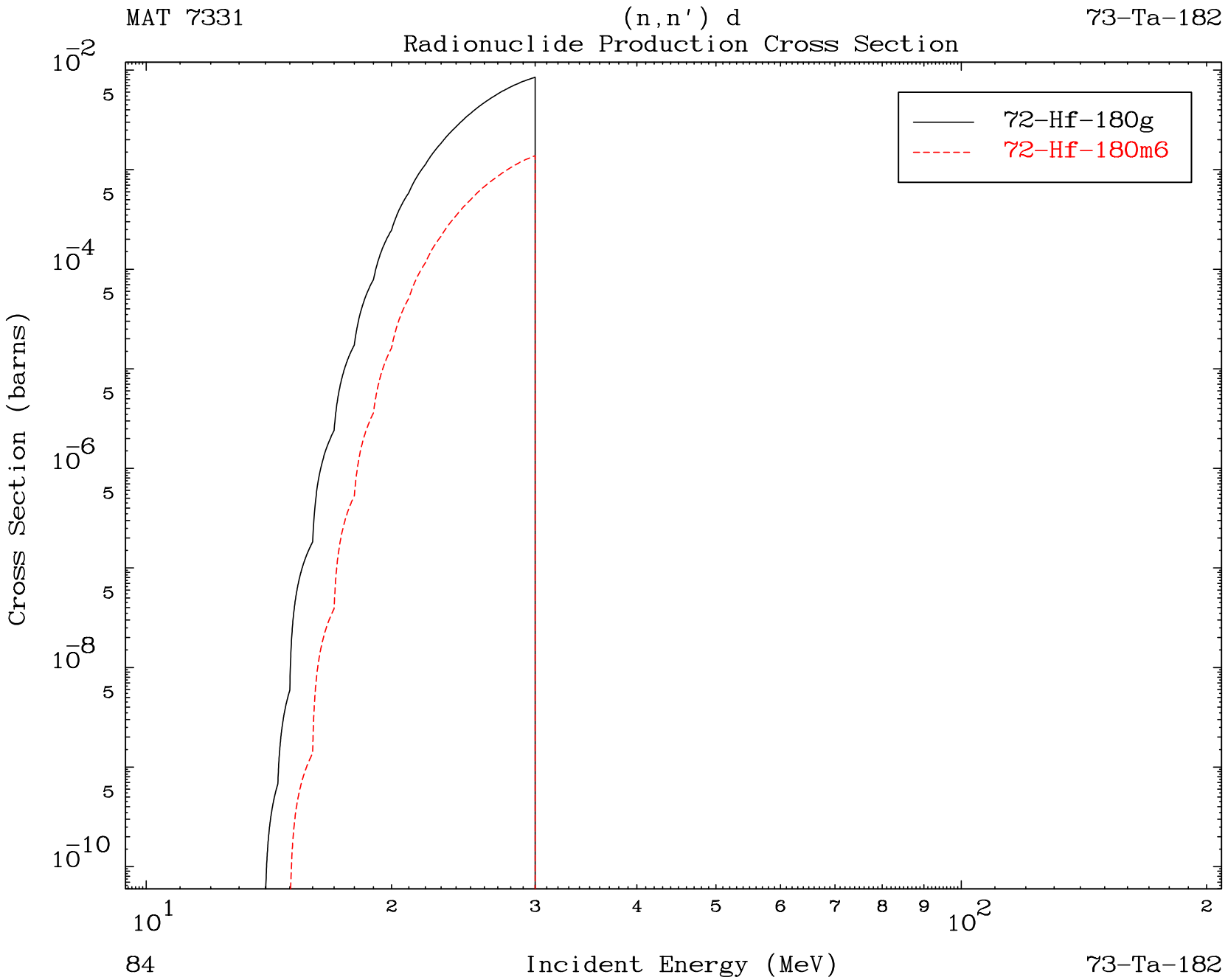

MAT 7331
(n,3n)
73-Ta-182
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
73-Ta-180g
73-Ta-180m2
79
73-Ta-182

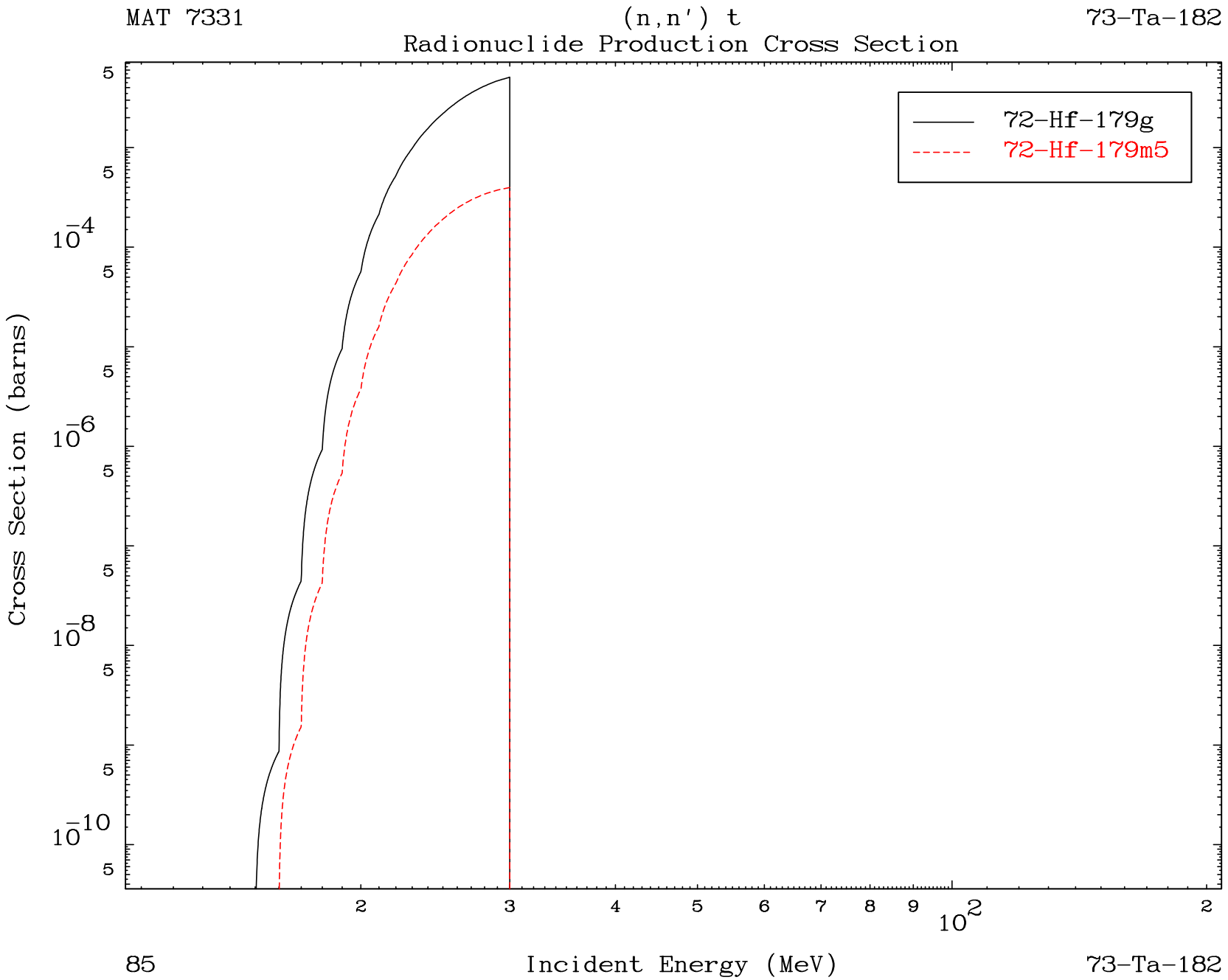

MAT 7331
Fission
73-Ta-182
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
80
73-Ta-182

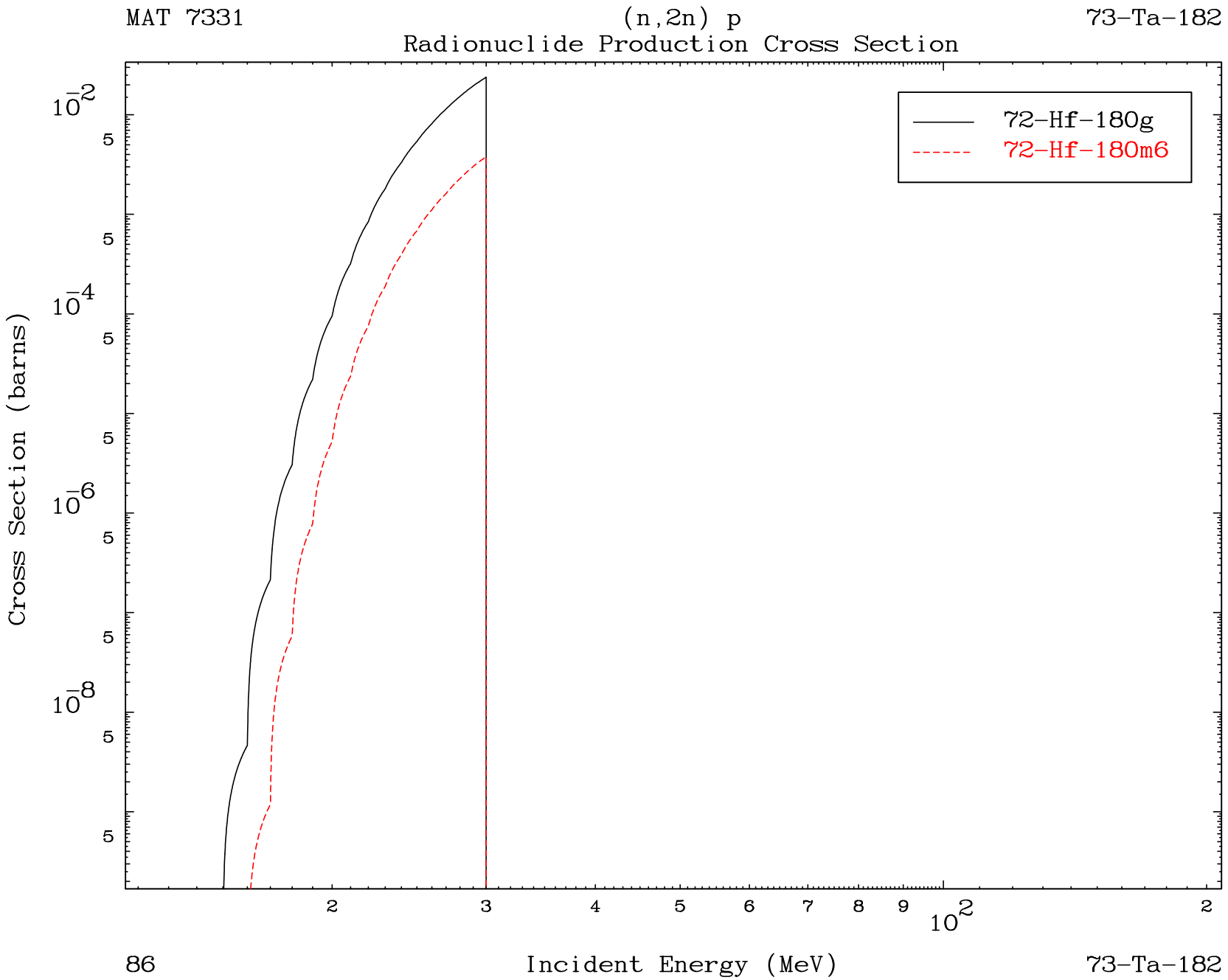

MAT 7331
(n,n') α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
81
73-Ta-182

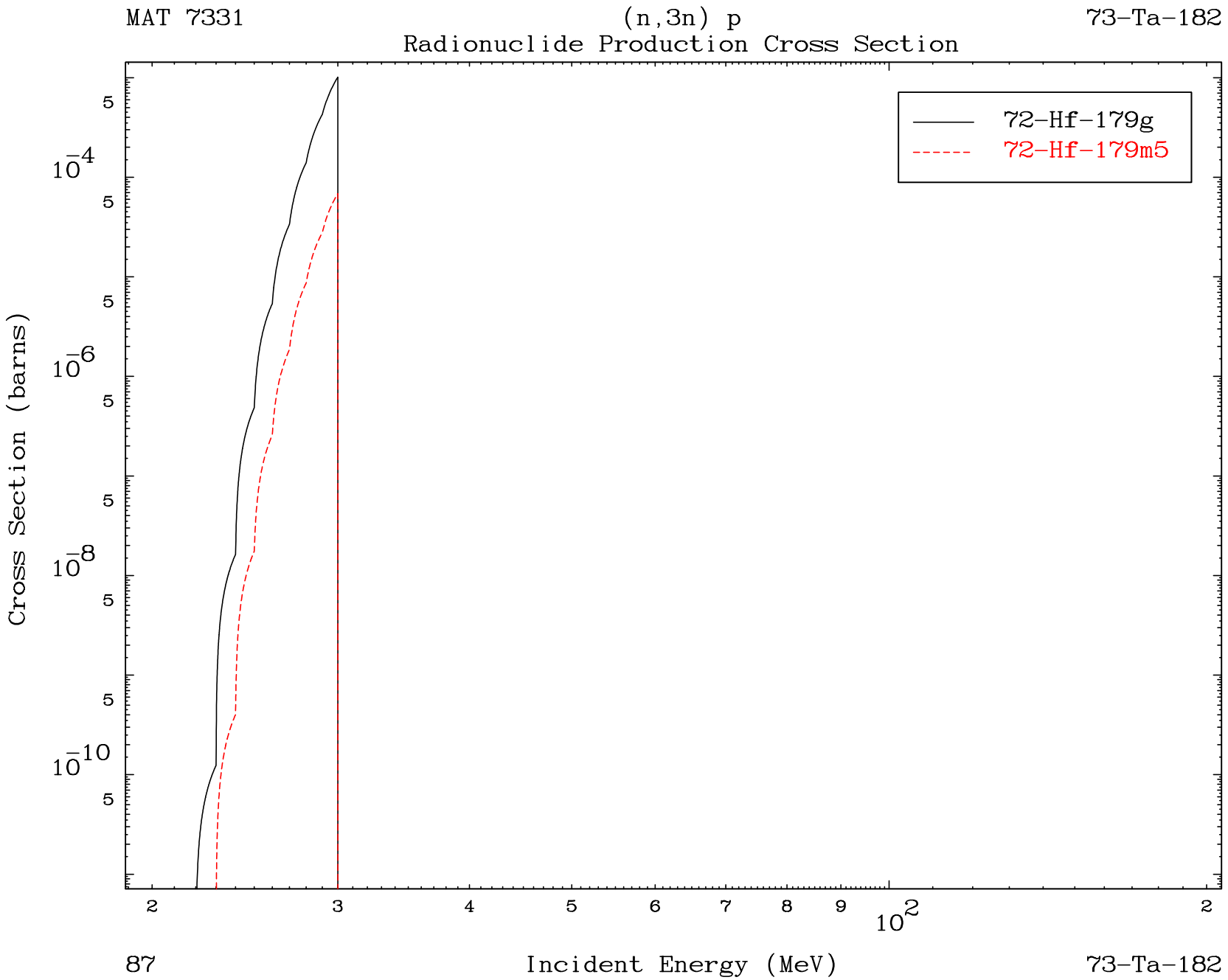

MAT 7331
(n,2n) α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
82
73-Ta-182

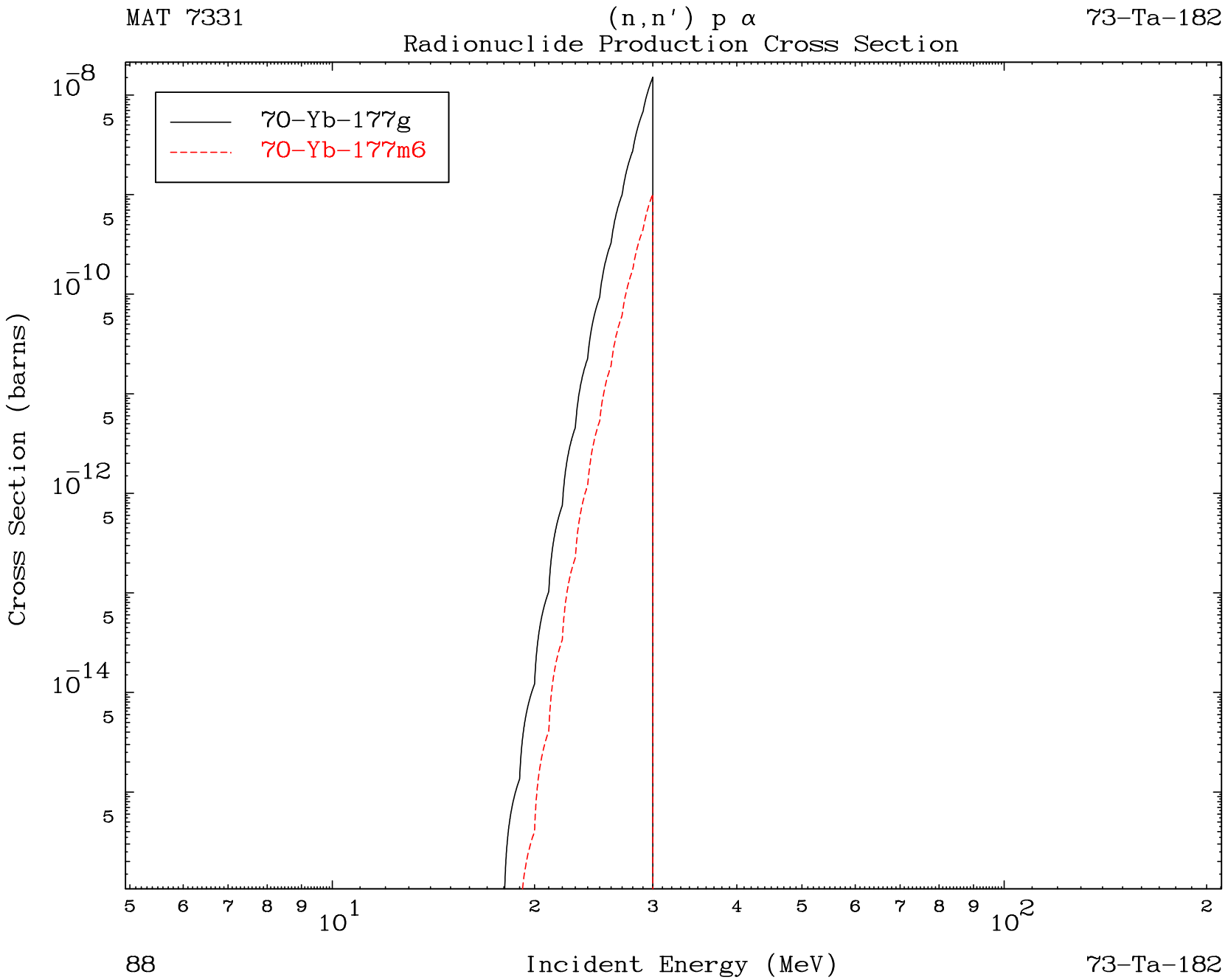

MAT 7331
(n,3n) α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
83
Incident Energy (MeV)
73-Ta-182

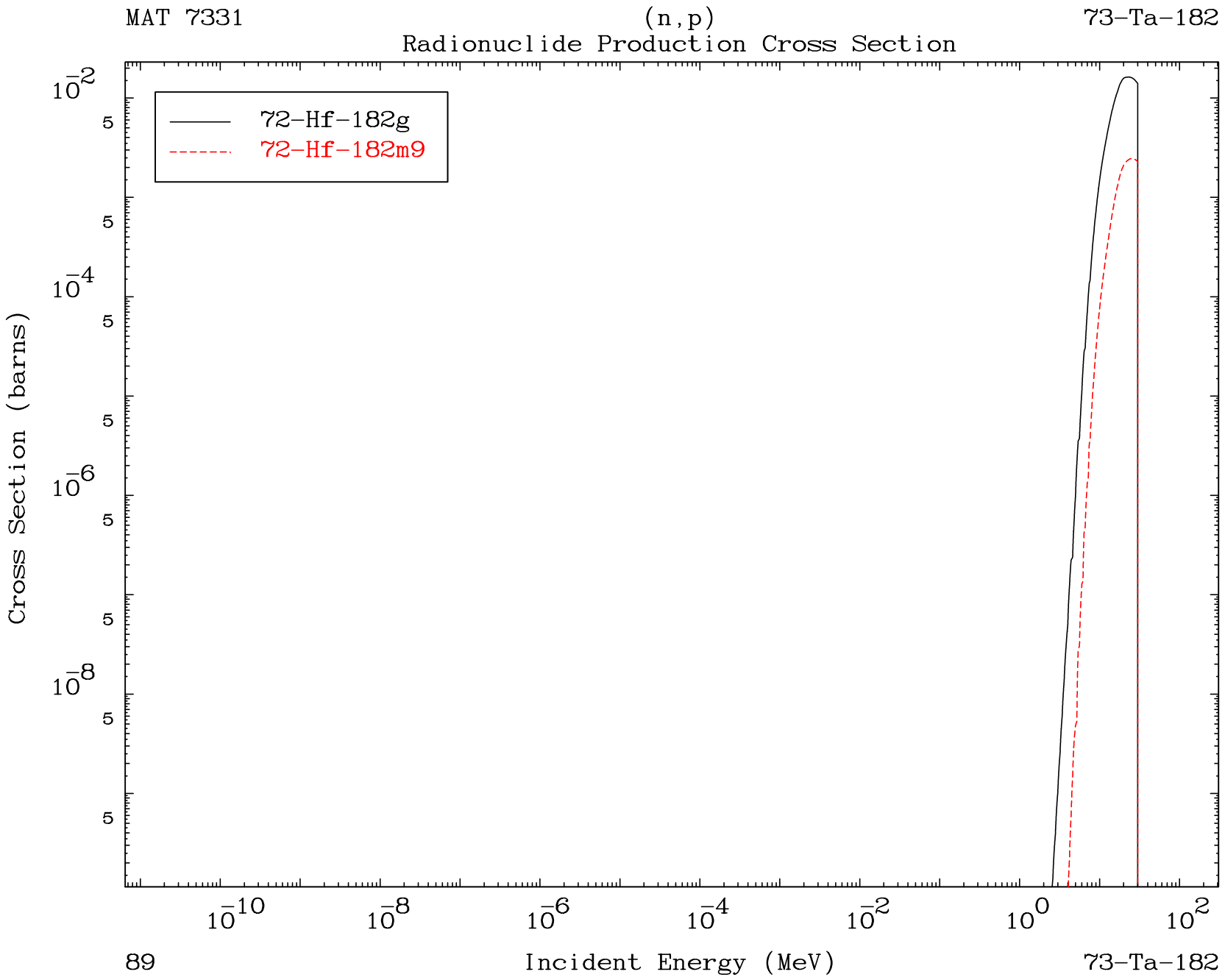

MAT 7331
(n,n') d
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
84
73-Ta-182

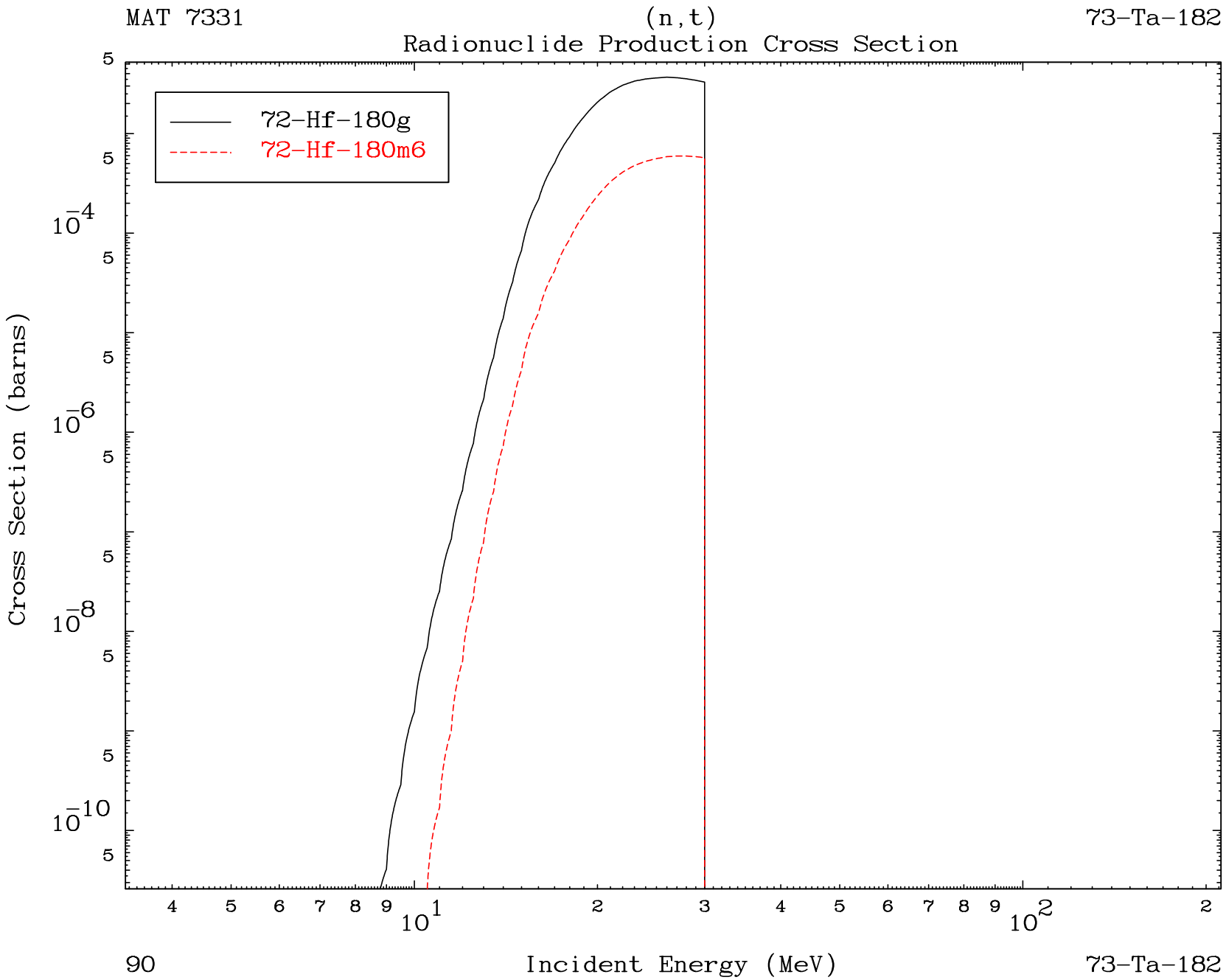

MAT 7331
(n,n') t
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
85
Incident Energy (MeV)
73-Ta-182


MAT 7331
(n,2n) p
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
86
73-Ta-182


MAT 7331
(n,3n) p
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
87
Incident Energy (MeV)
73-Ta-182


MAT 7331
(n,n') p α
73-Ta-182
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
88
73-Ta-182


MAT 7331
(n,p)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-182g
72-Hf-182m9
Cross Section (barns)
Incident Energy (MeV)
89
73-Ta-182


MAT 7331
(n,t)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
90
73-Ta-182