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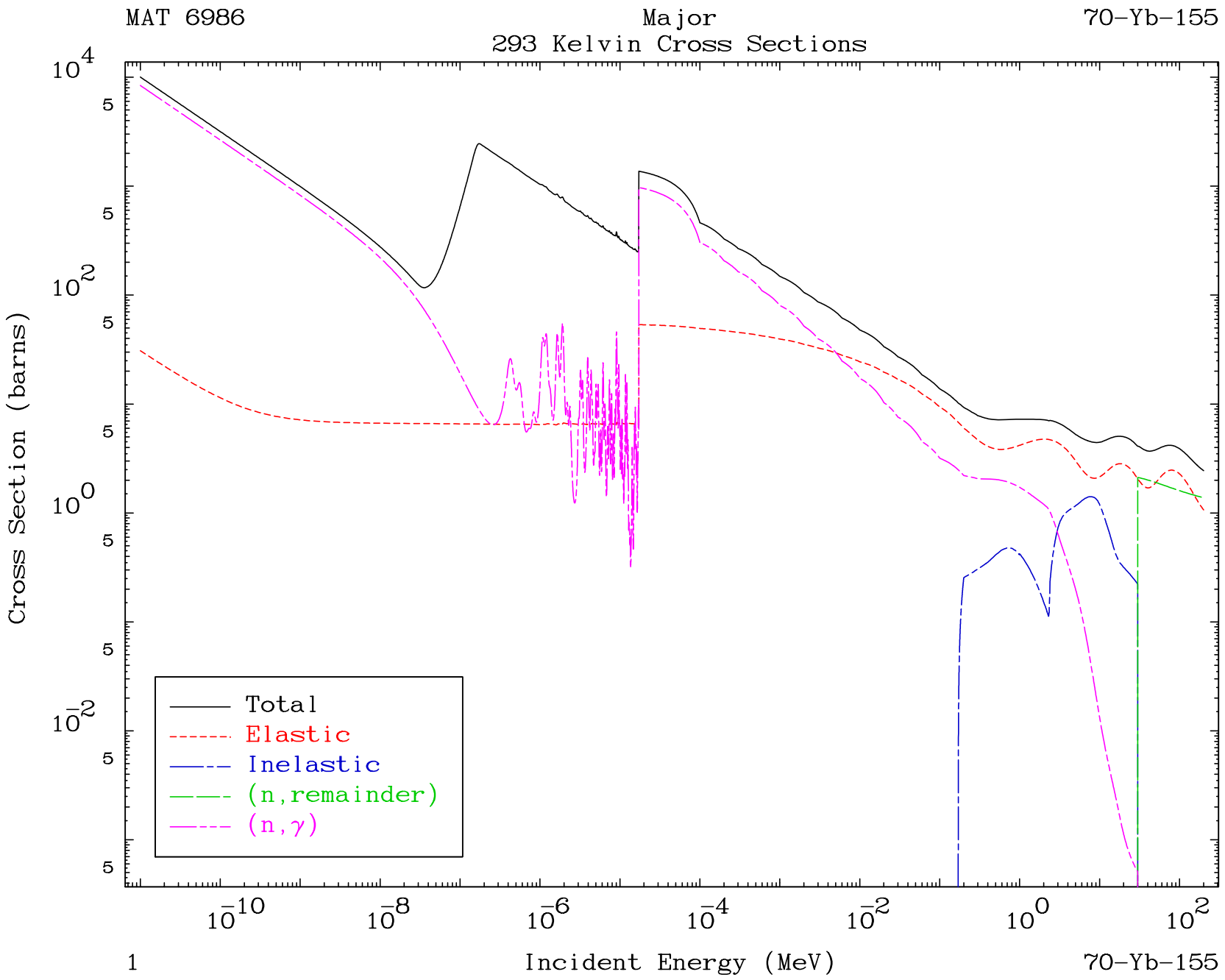
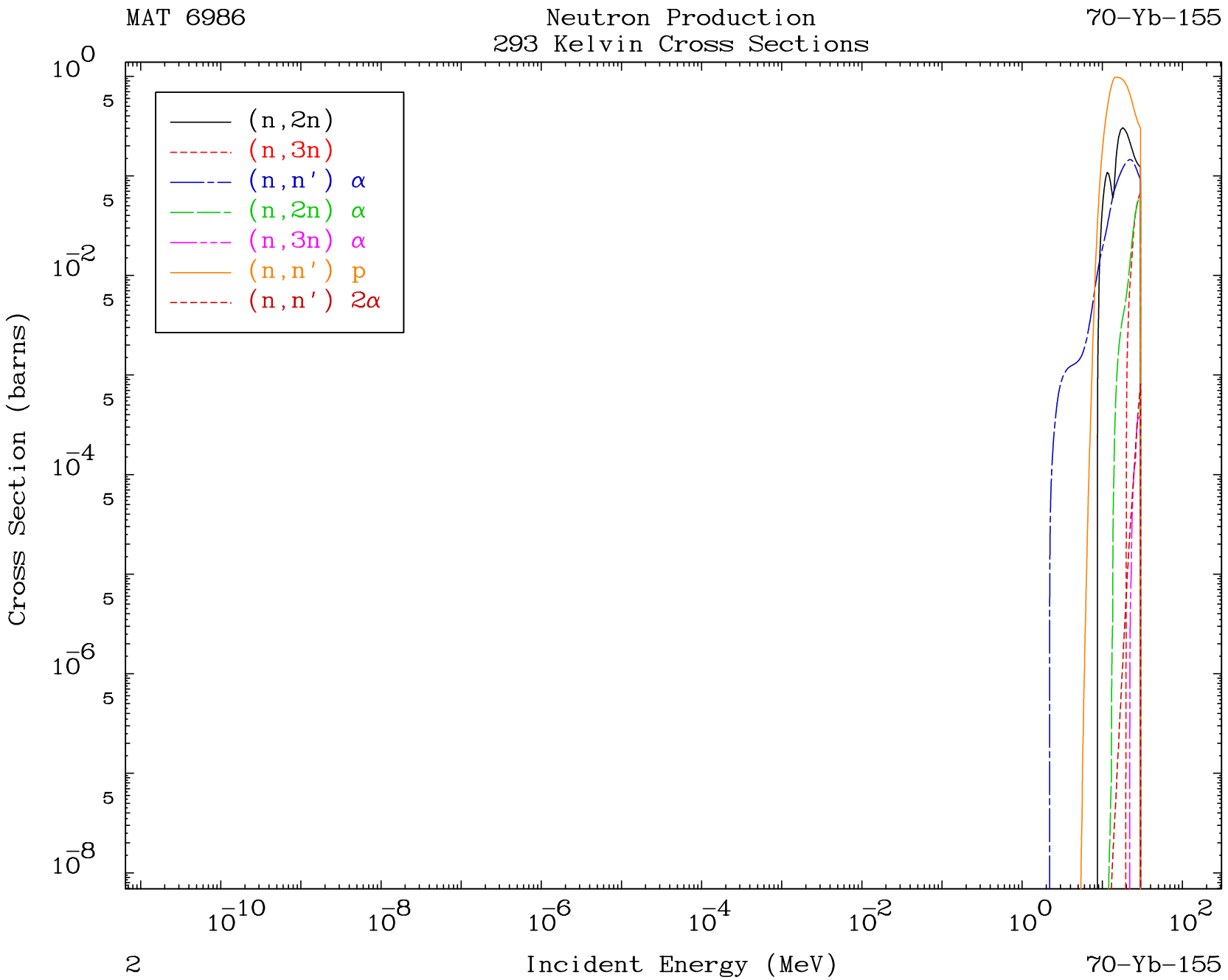
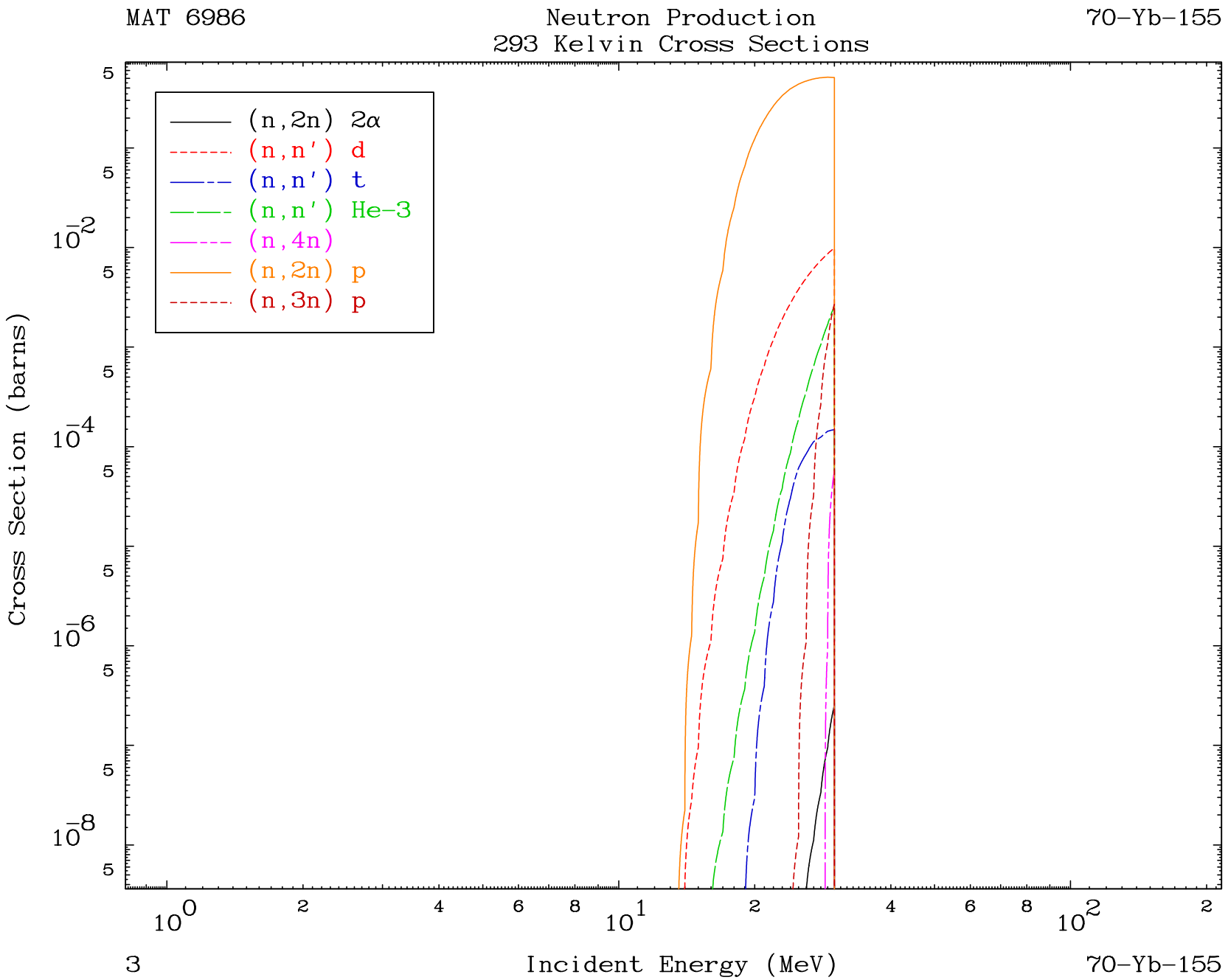
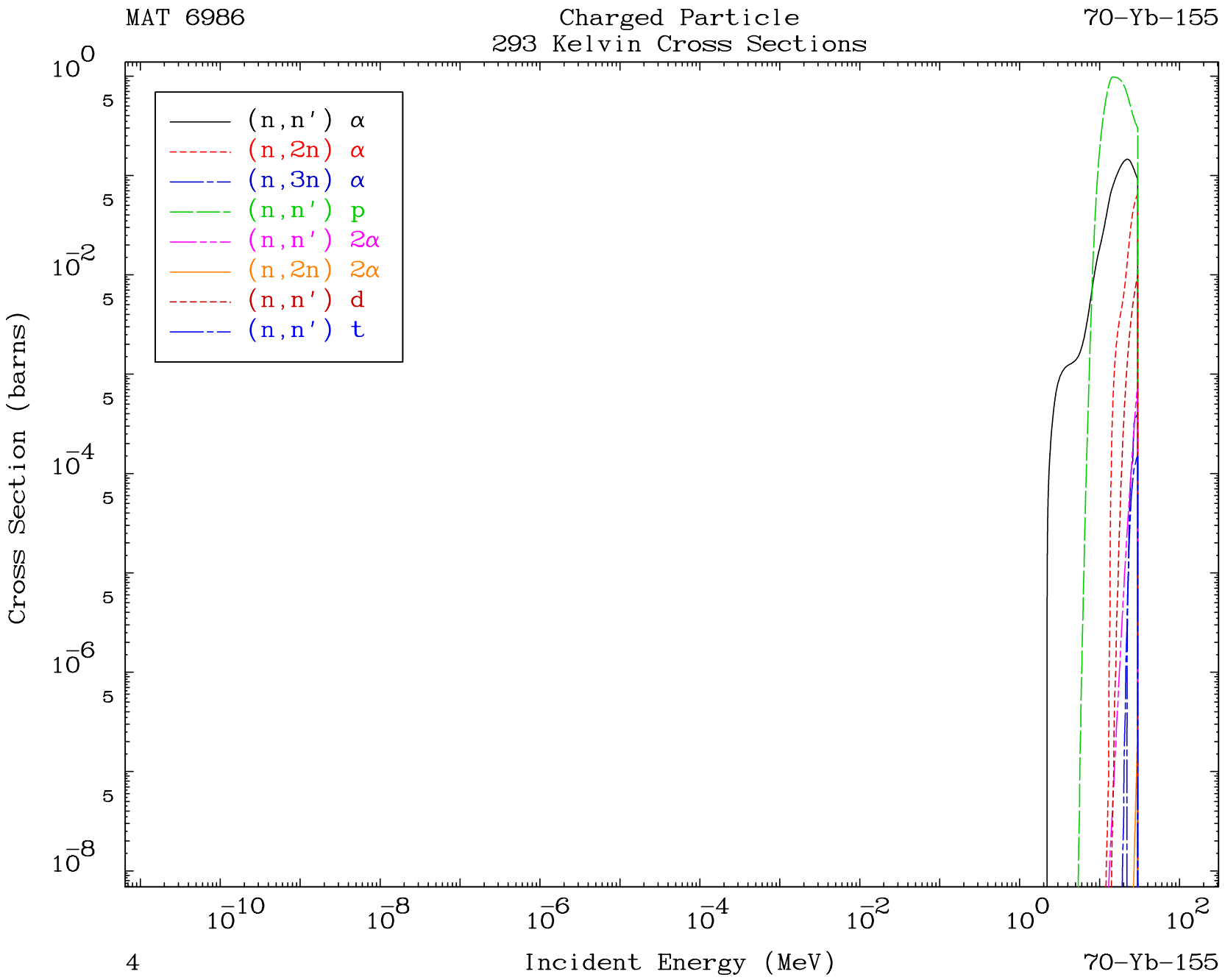
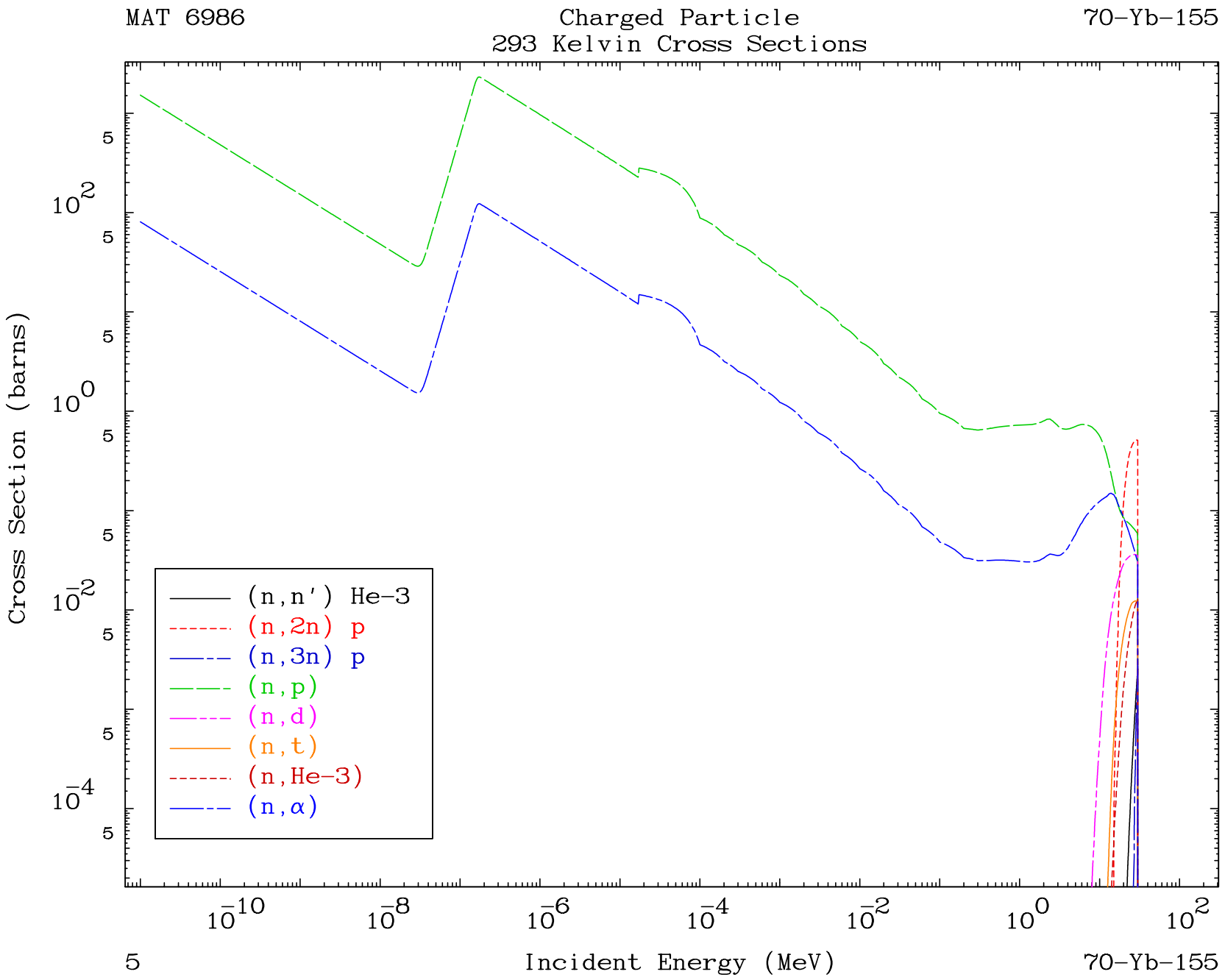
Press Mouse Button to Start

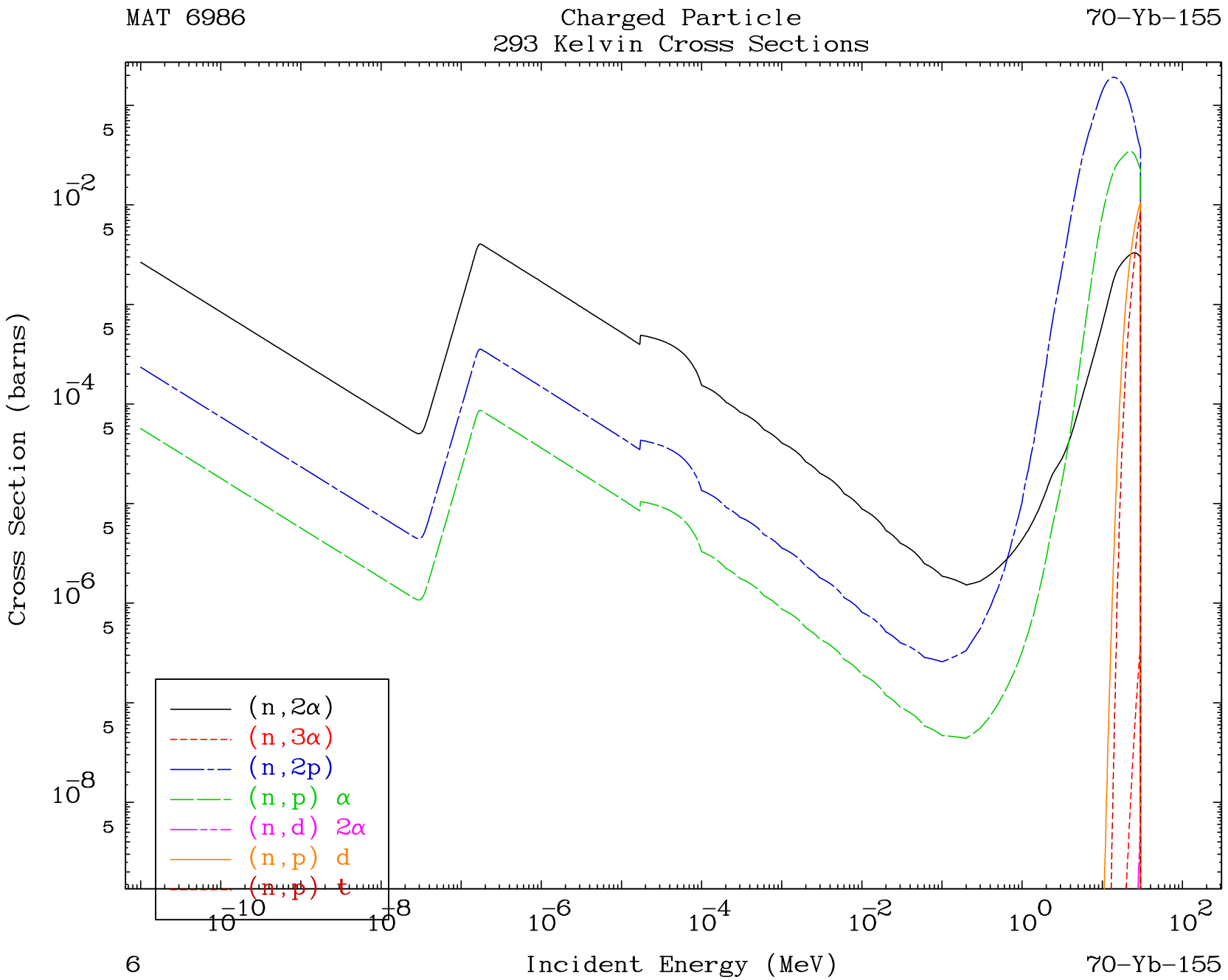

MAT 6986
Major
70-Yb-155
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
70-Yb-155

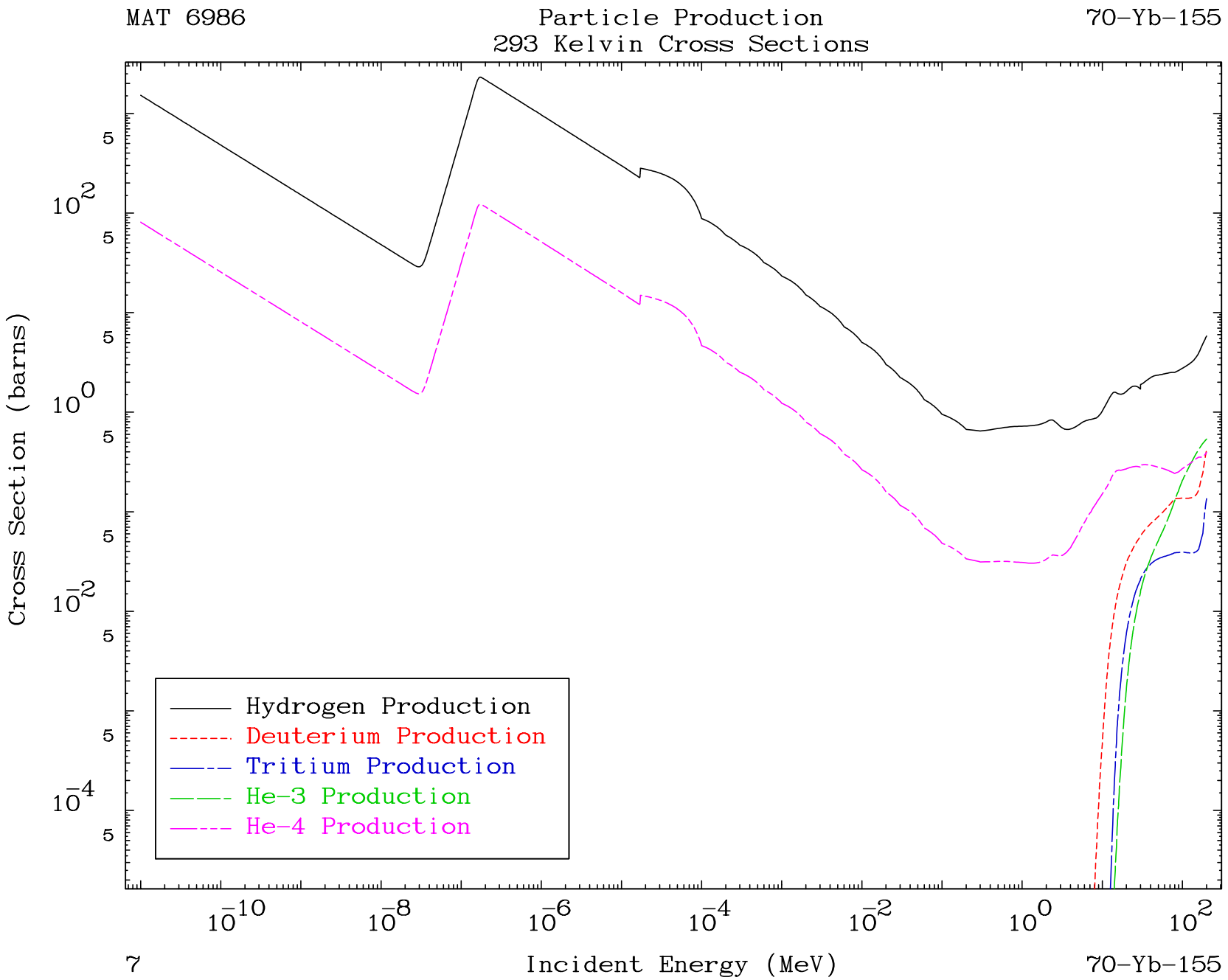

MAT 6986
Neutron Production
293 Kelvin Cross Sections
70-Yb-155
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
70-Yb-155

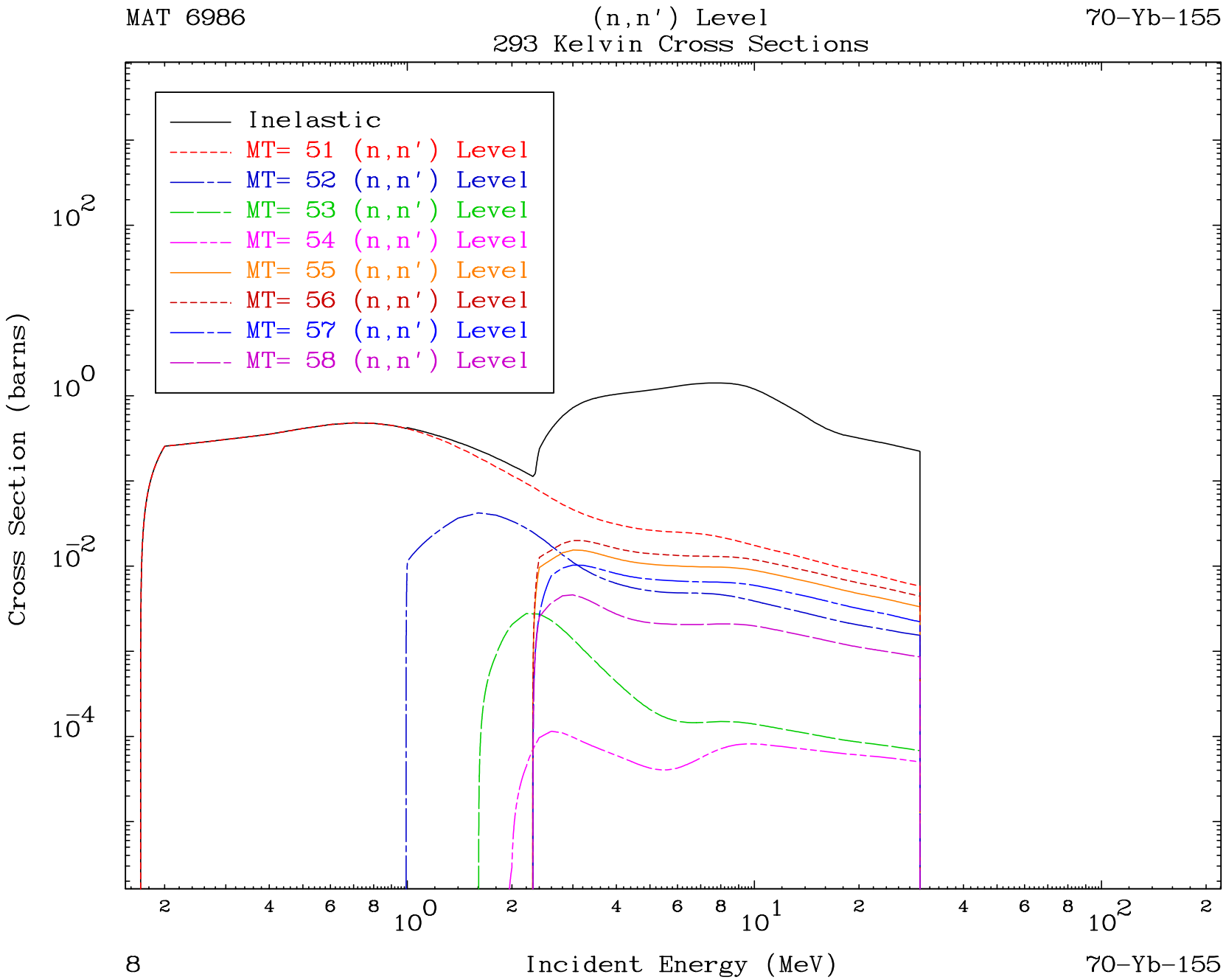

MAT 6986
Neutron Production
293 Kelvin Cross Sections
70-Yb-155
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-155

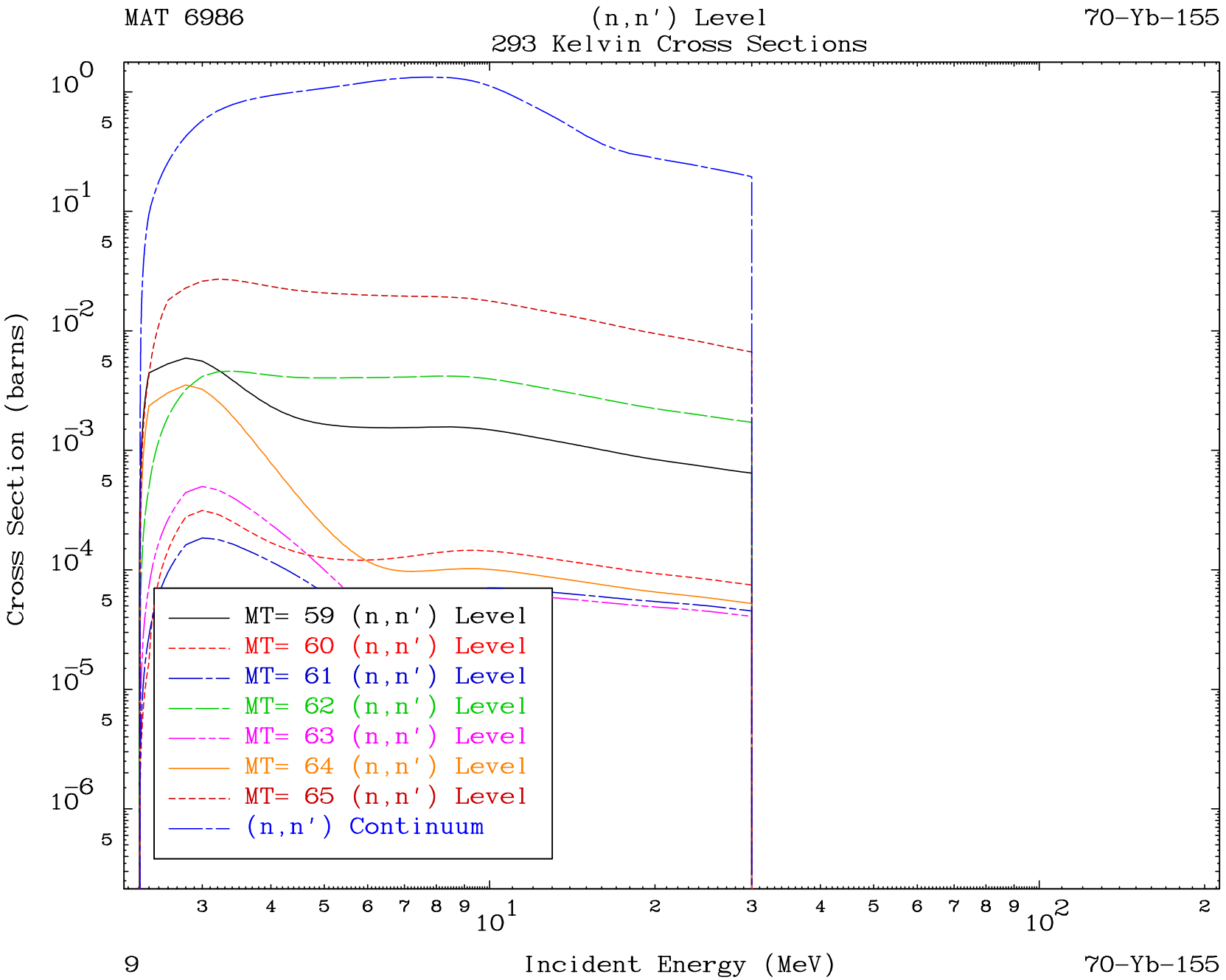

MAT 6986
Charged Particle
293 Kelvin Cross Sections
70-Yb-155
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-155

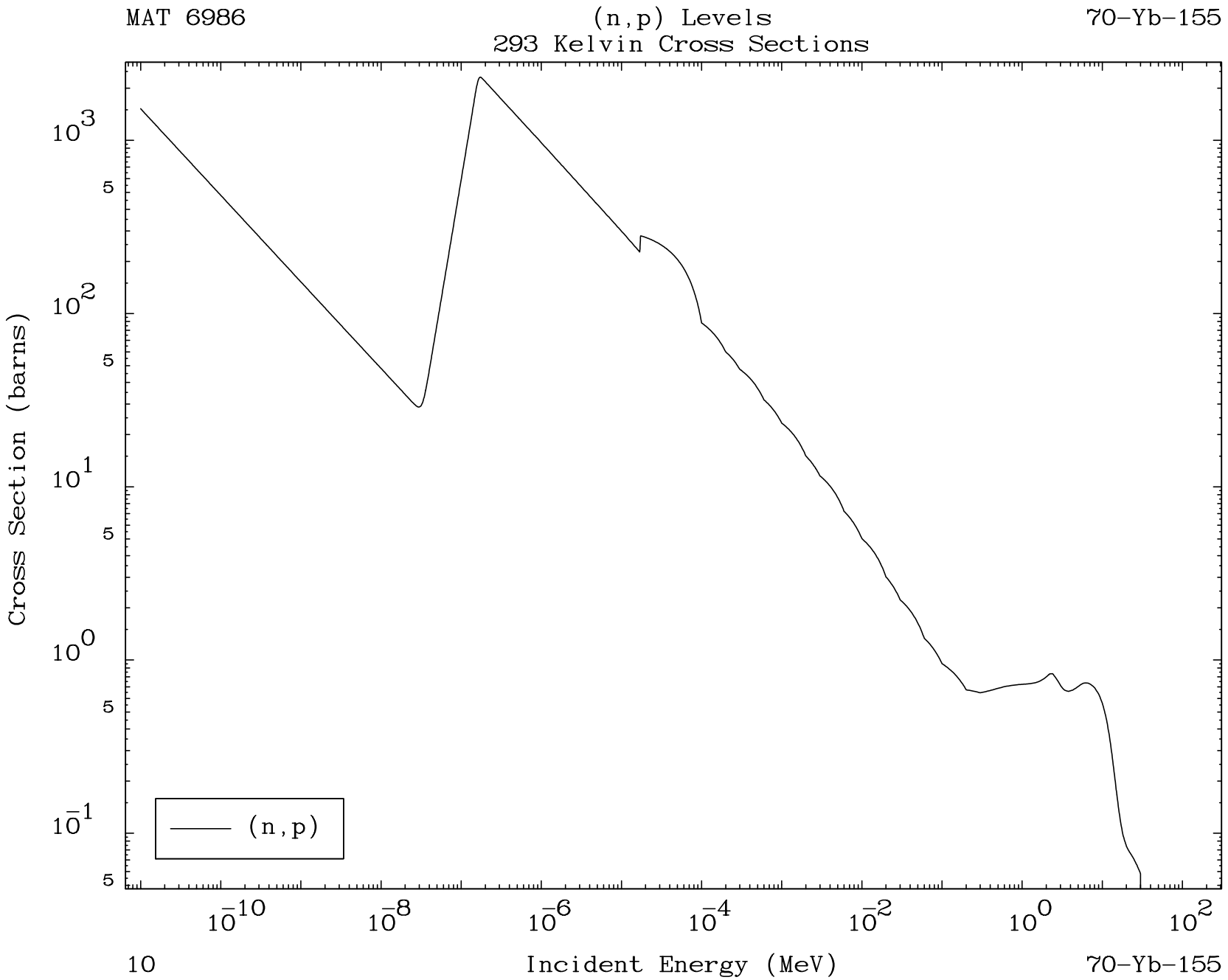

MAT 6986
Charged Particle
293 Kelvin Cross Sections
70-Yb-155
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
70-Yb-155

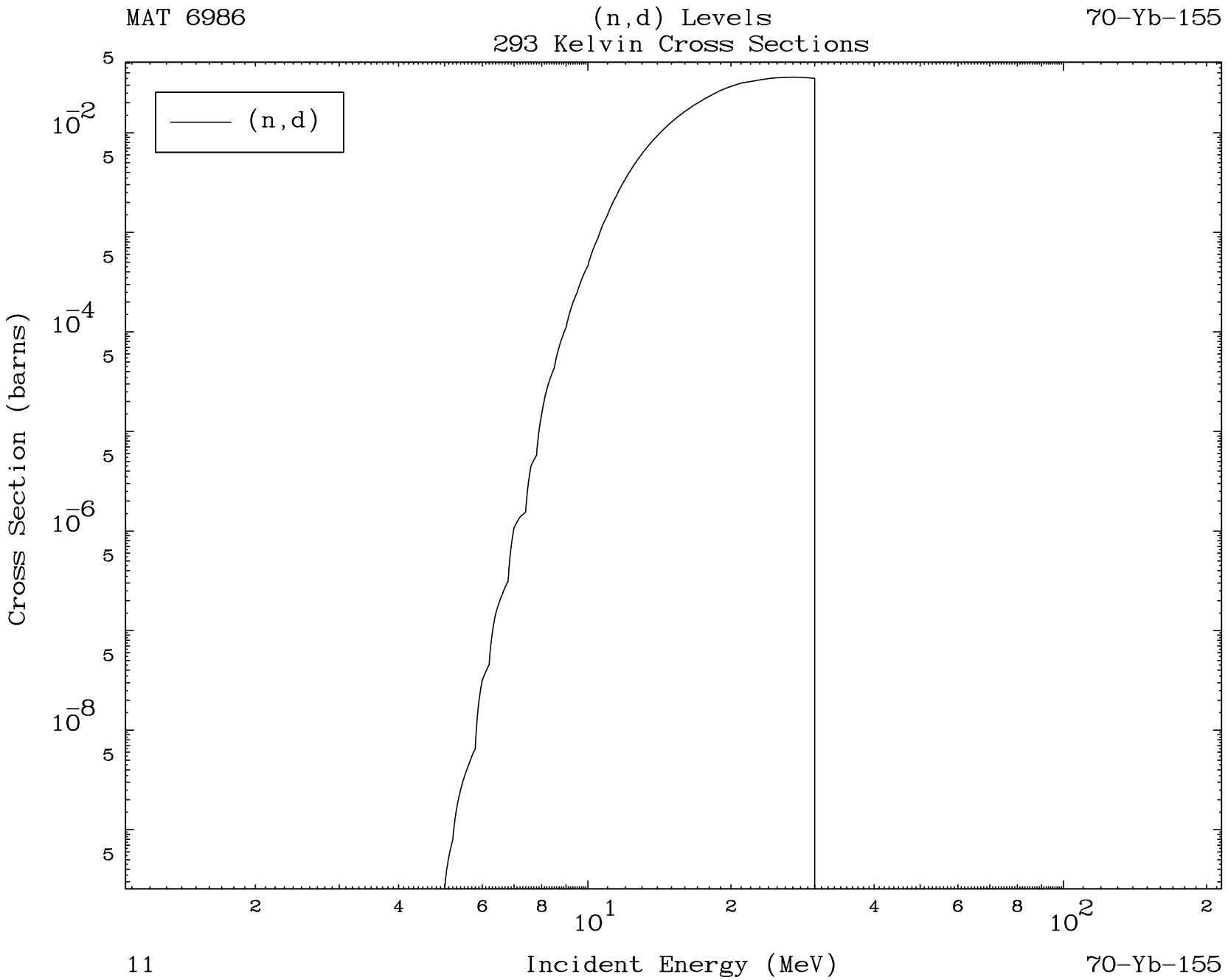

MAT 6986
Charged Particle
293 Kelvin Cross Sections
70-Yb-155
Cross Section (barns)
Incident Energy (MeV)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
6
70-Yb-155

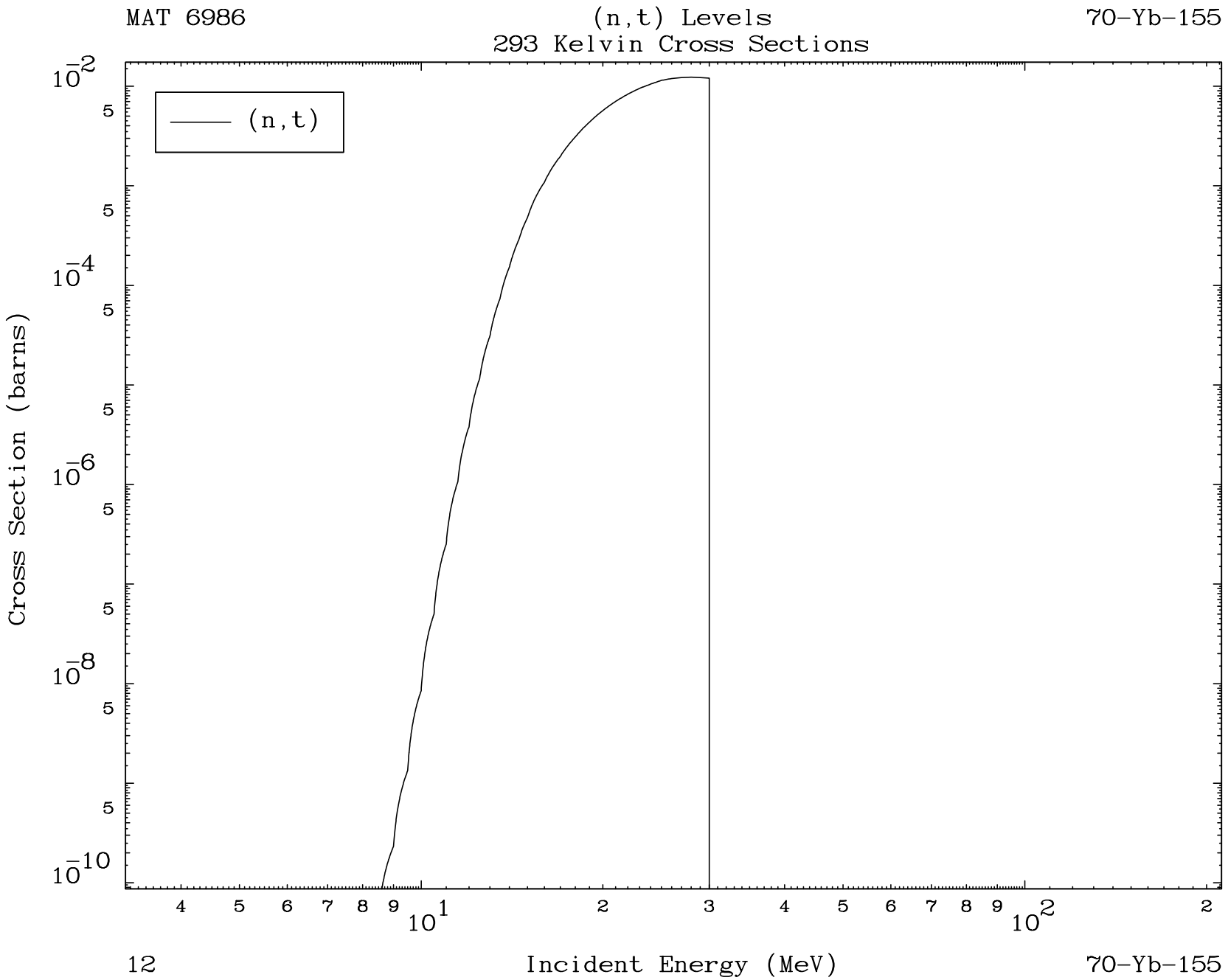

MAT 6986
Particle Production
293 Kelvin Cross Sections
70-Yb-155
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
7
70-Yb-155

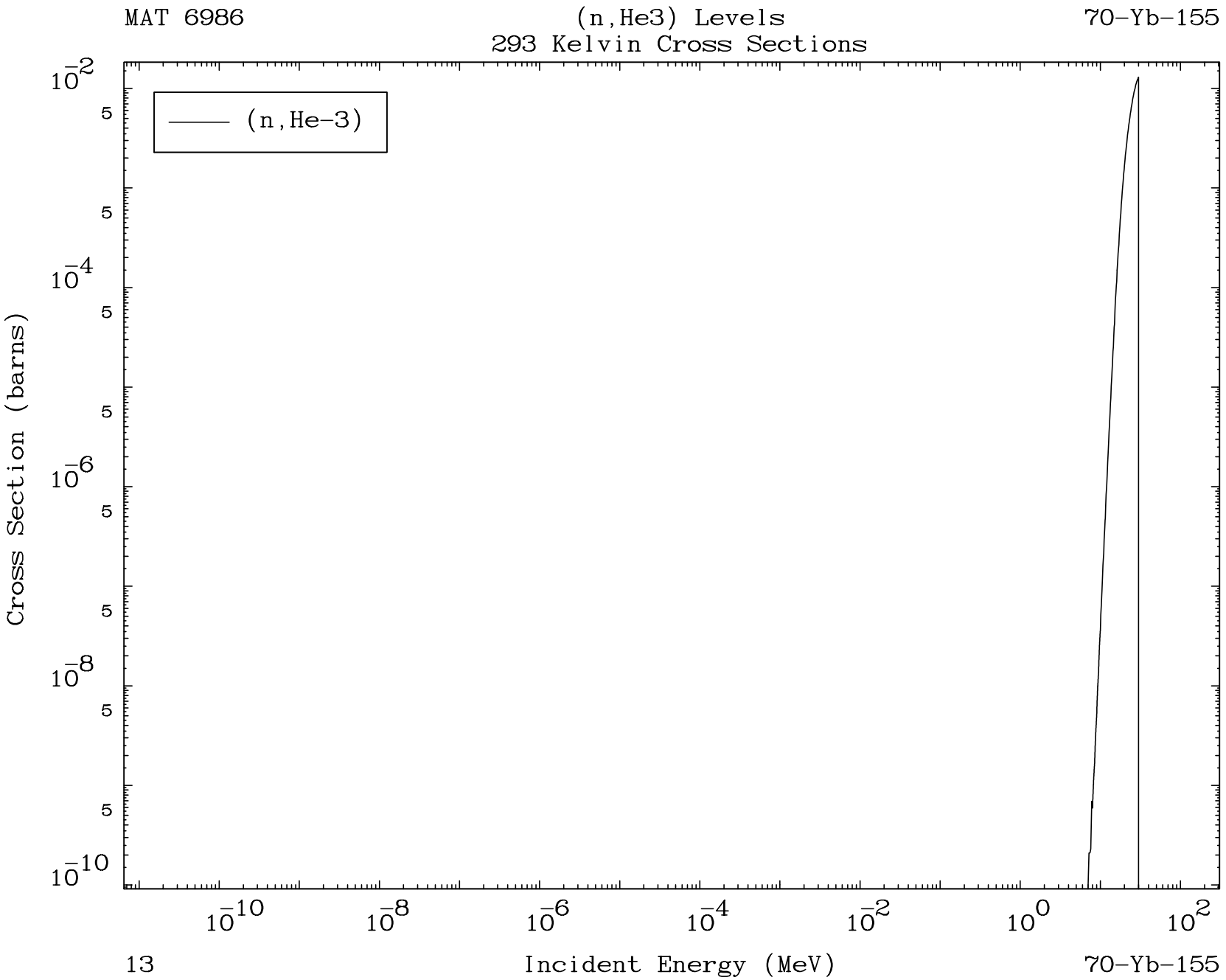

MAT 6986
(n,n') Level
70-Yb-155
293 Kelvin Cross Sections
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
10^2
10^0
10^-2
10^-4
2
4
6
8
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
8
70-Yb-155

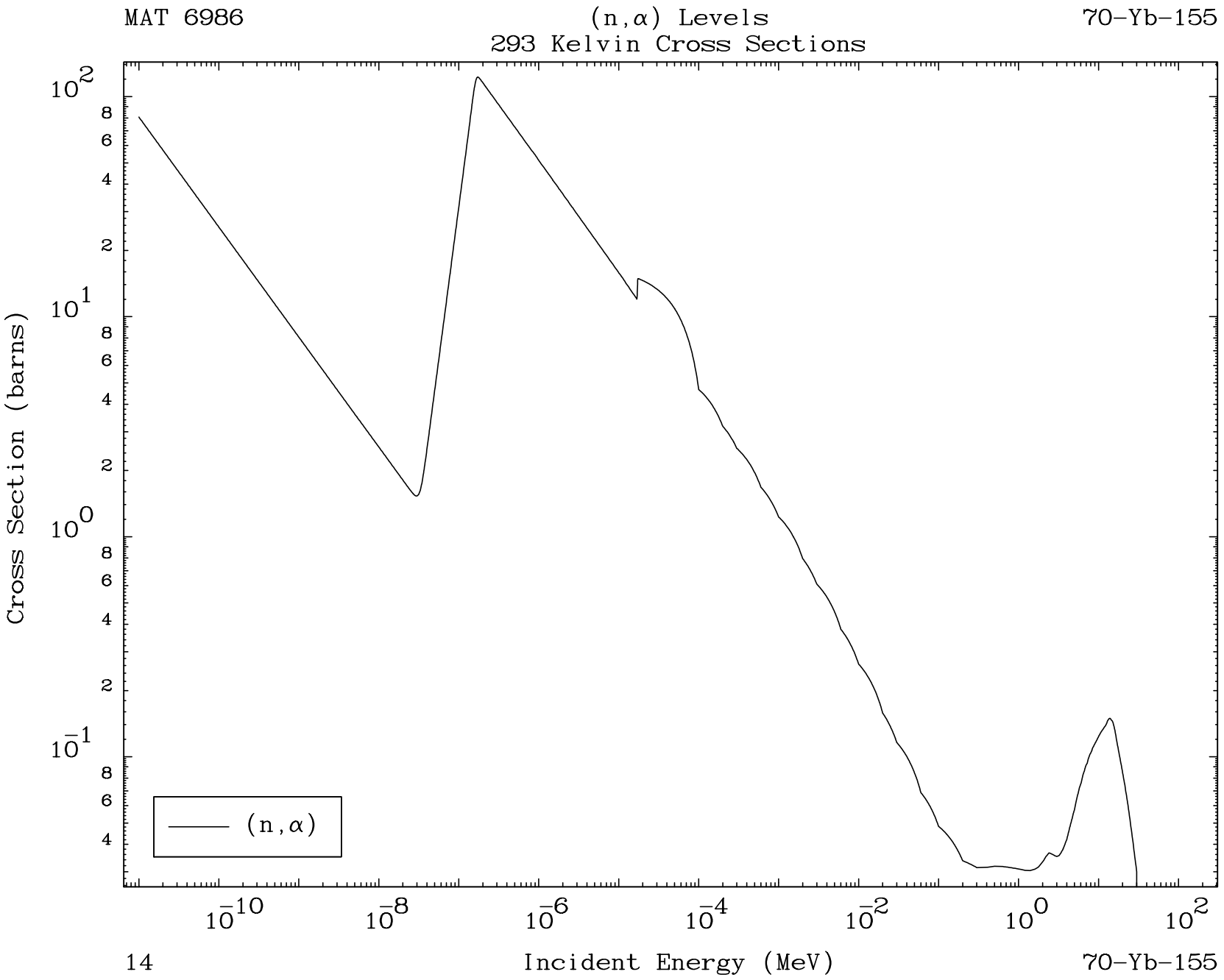

MAT 6986
(n,n') Level
293 Kelvin Cross Sections
70-Yb-155
Cross Section (barns)
Incident Energy (MeV)
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
(n,n') Continuum
9
70-Yb-155

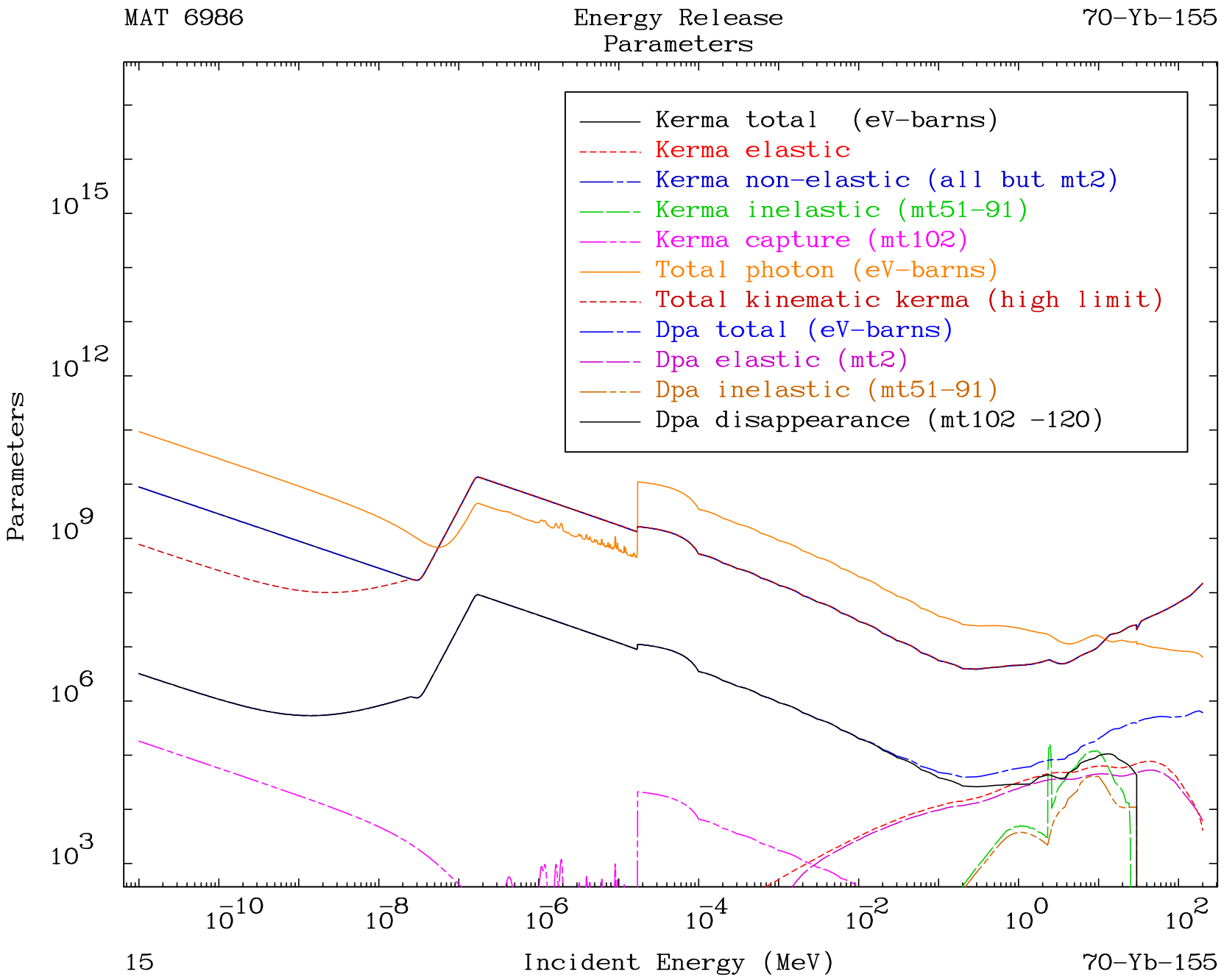

MAT 6986
(n,p) Levels
70-Yb-155
293 Kelvin Cross Sections
Cross Section (barns)
10^3
5
10^2
5
10^1
5
10^0
5
10^-1
5
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
10
Incident Energy (MeV)
70-Yb-155

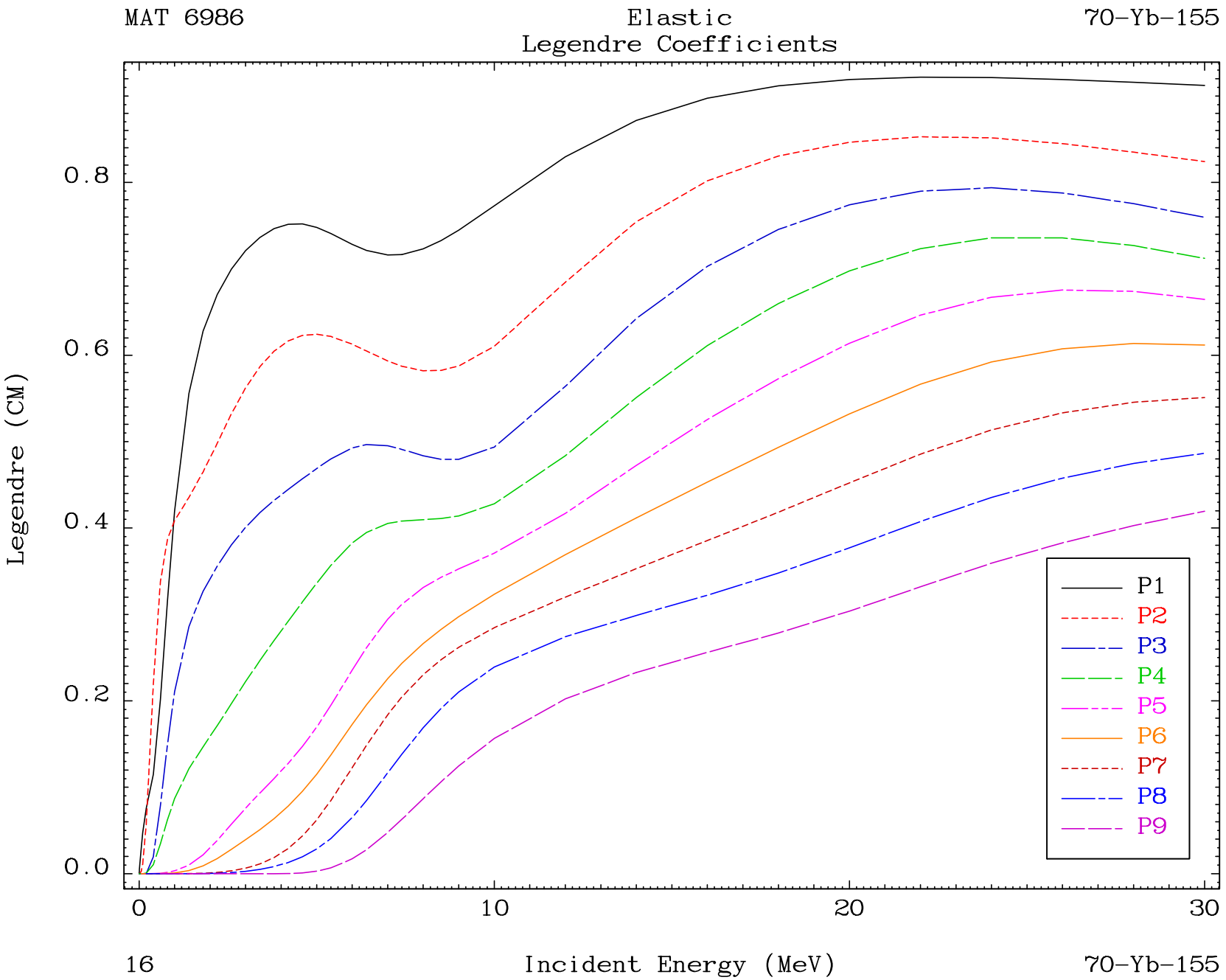

MAT 6986
(n,d) Levels
70-Yb-155
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
70-Yb-155

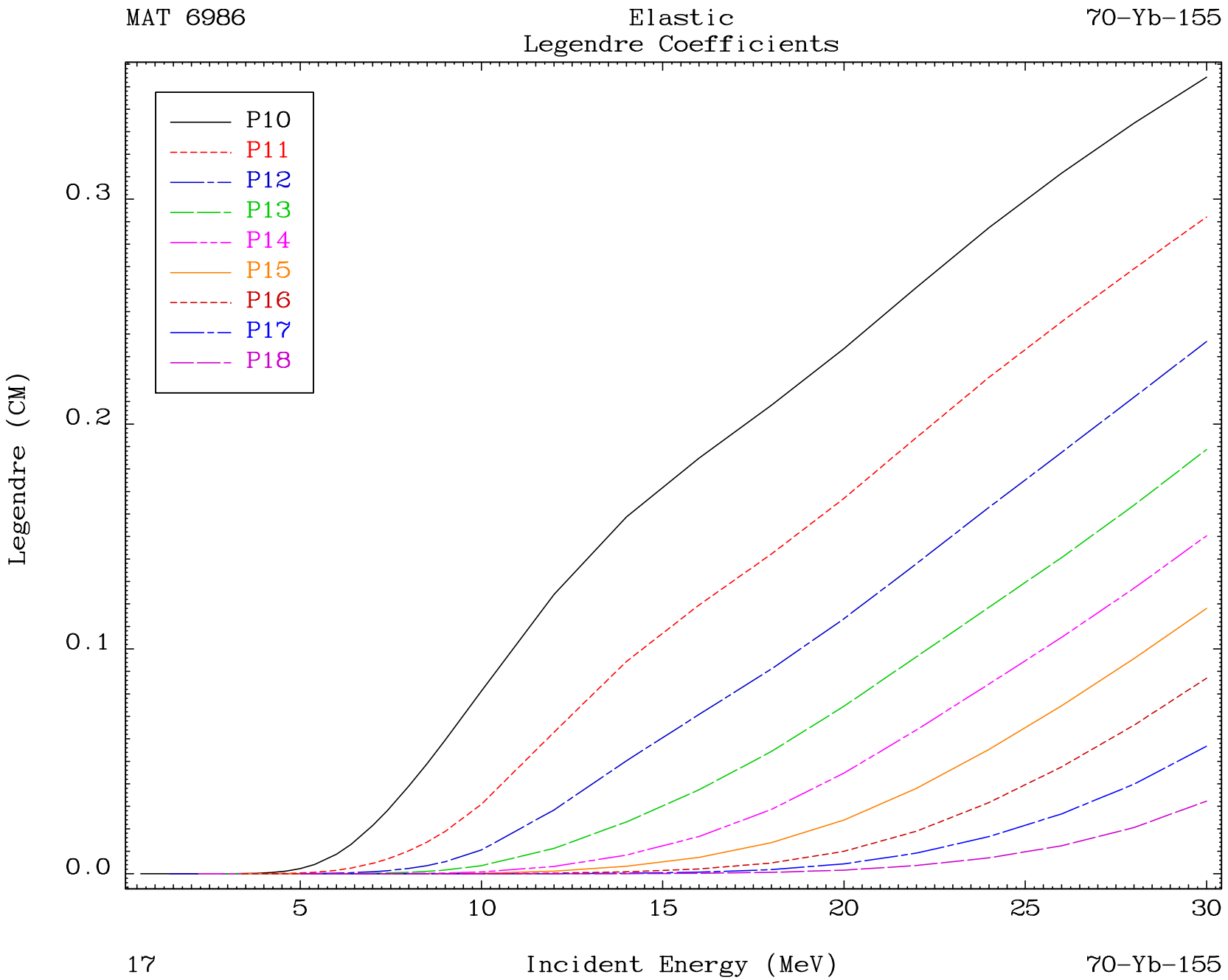

MAT 6986
(n,t) Levels
70-Yb-155
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
70-Yb-155

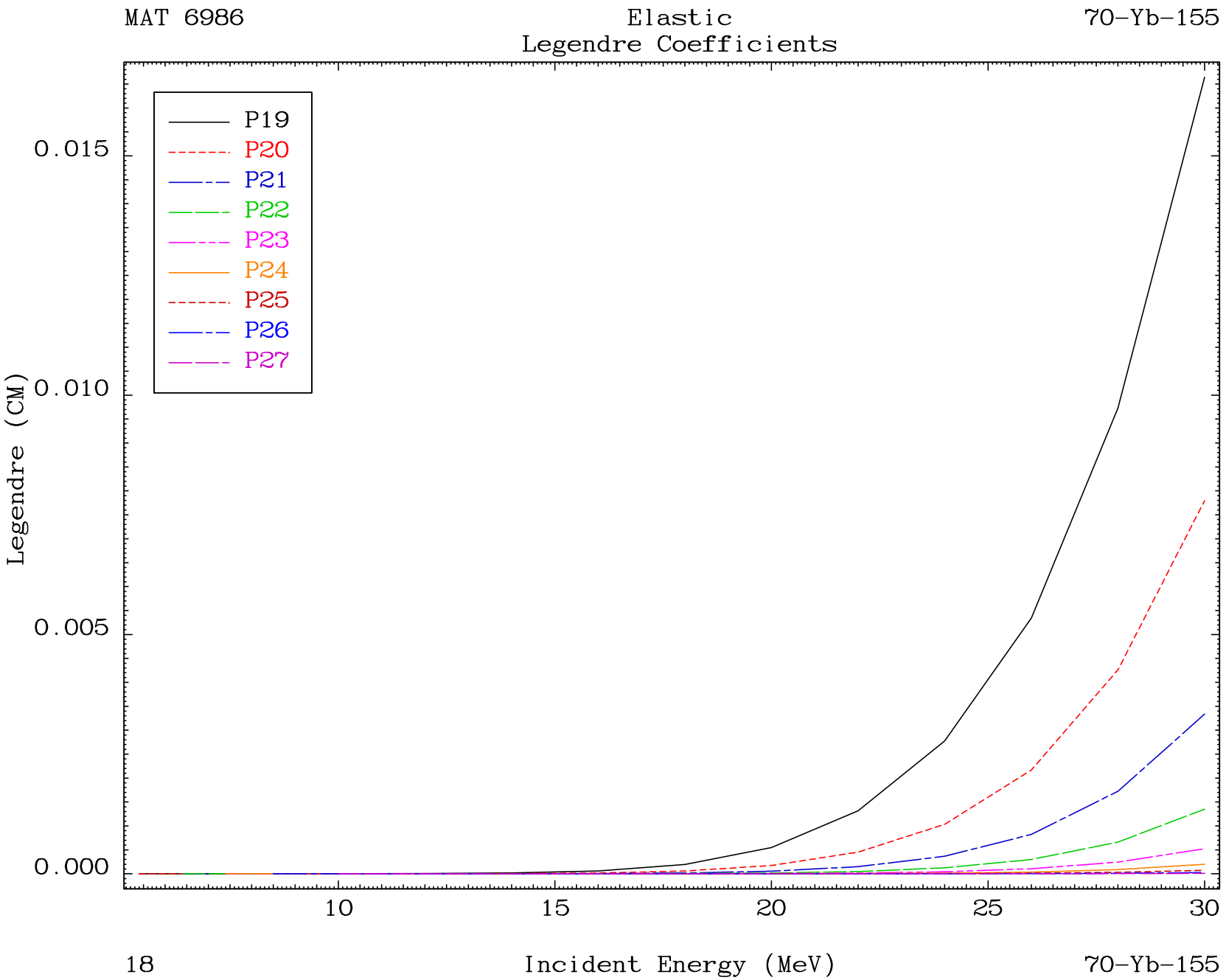

MAT 6986
(n,He3) Levels
70-Yb-155
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
13
70-Yb-155

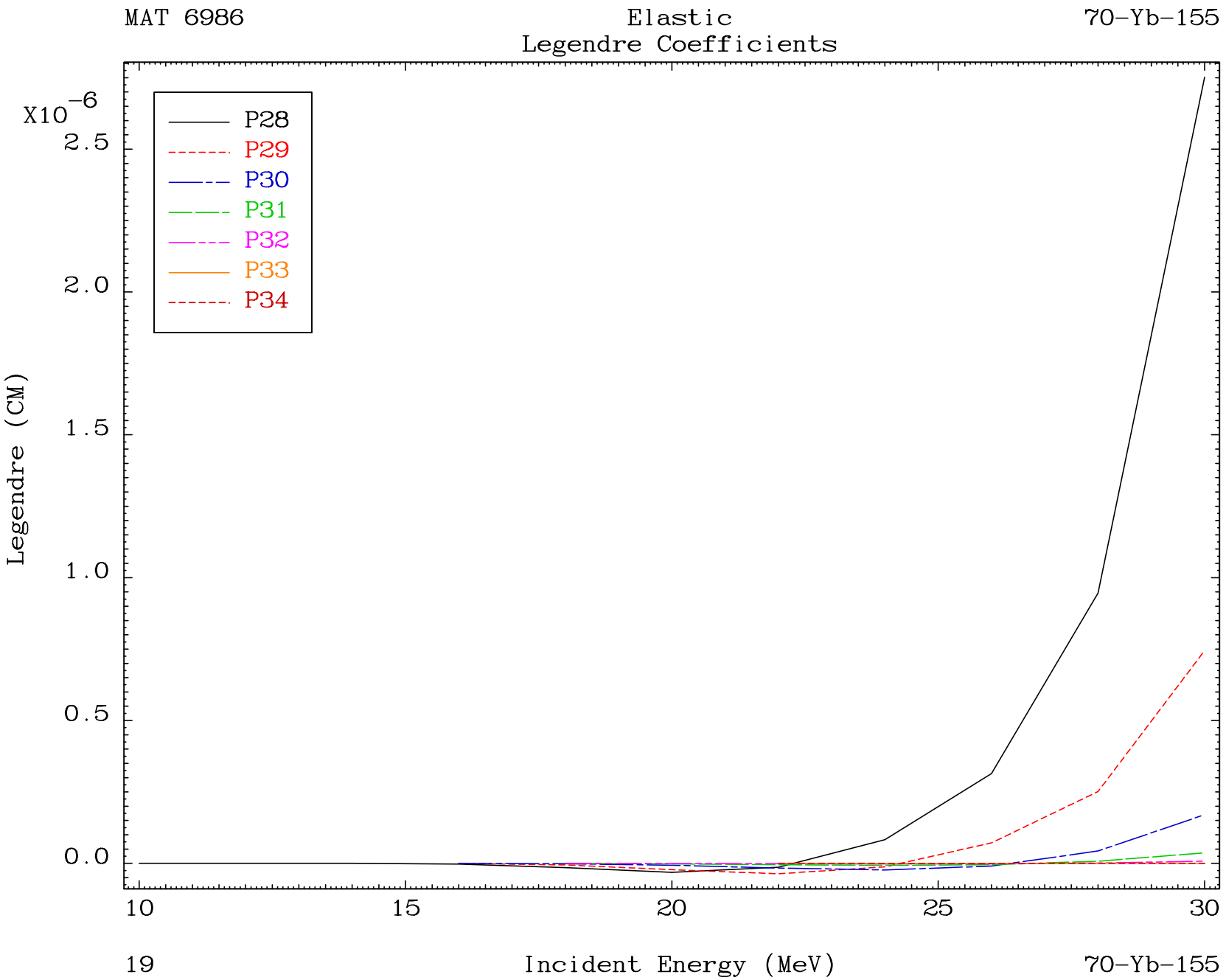

MAT 6986
(n,α) Levels
70-Yb-155
293 Kelvin Cross Sections
Cross Section (barns)
10^2
8
6
4
2
10^1
8
6
4
2
10^0
8
6
4
2
10^-1
8
6
4
(n,α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
14
Incident Energy (MeV)
70-Yb-155

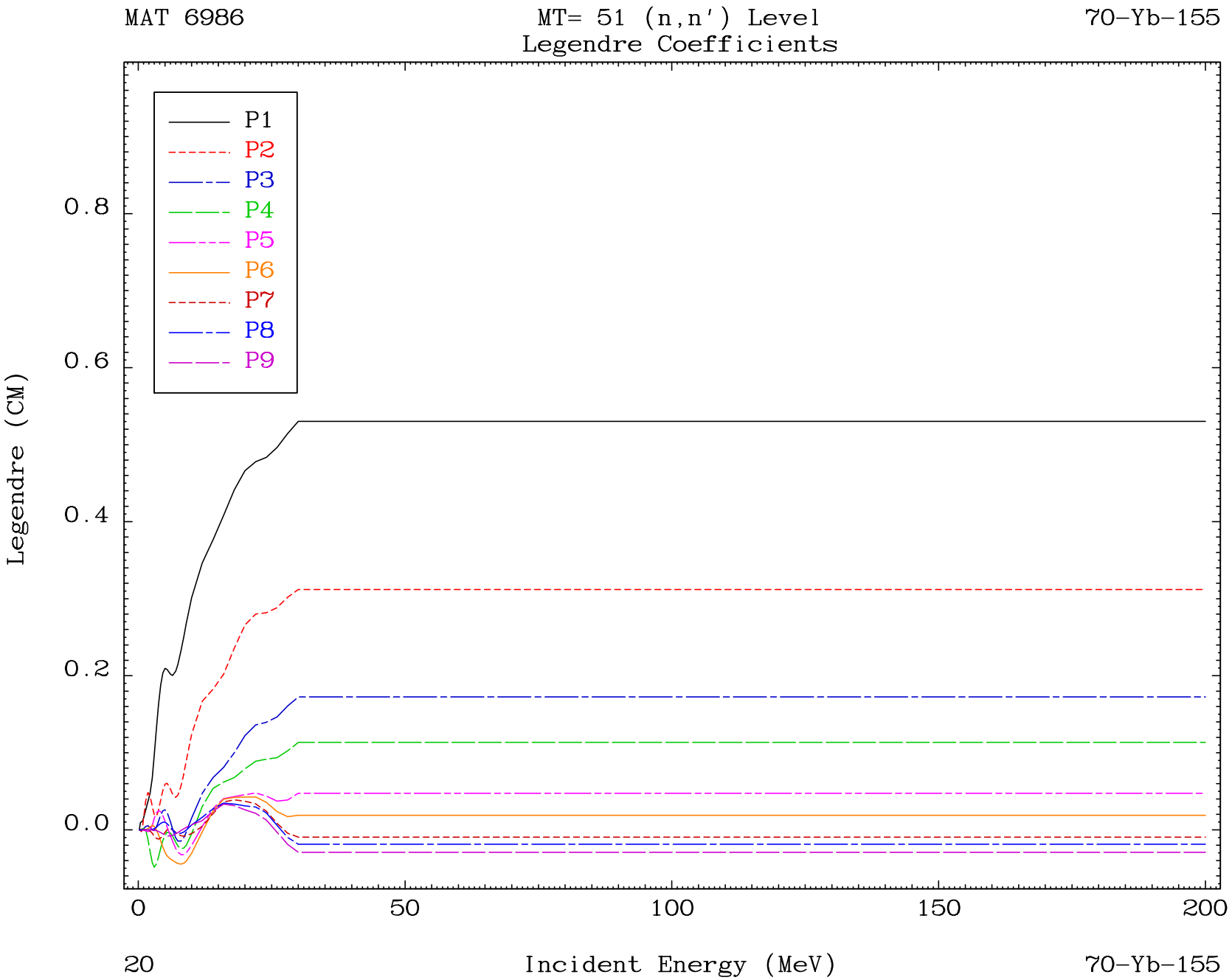

MAT 6986
Energy Release
Parameters
70-Yb-155
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (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)
70-Yb-155

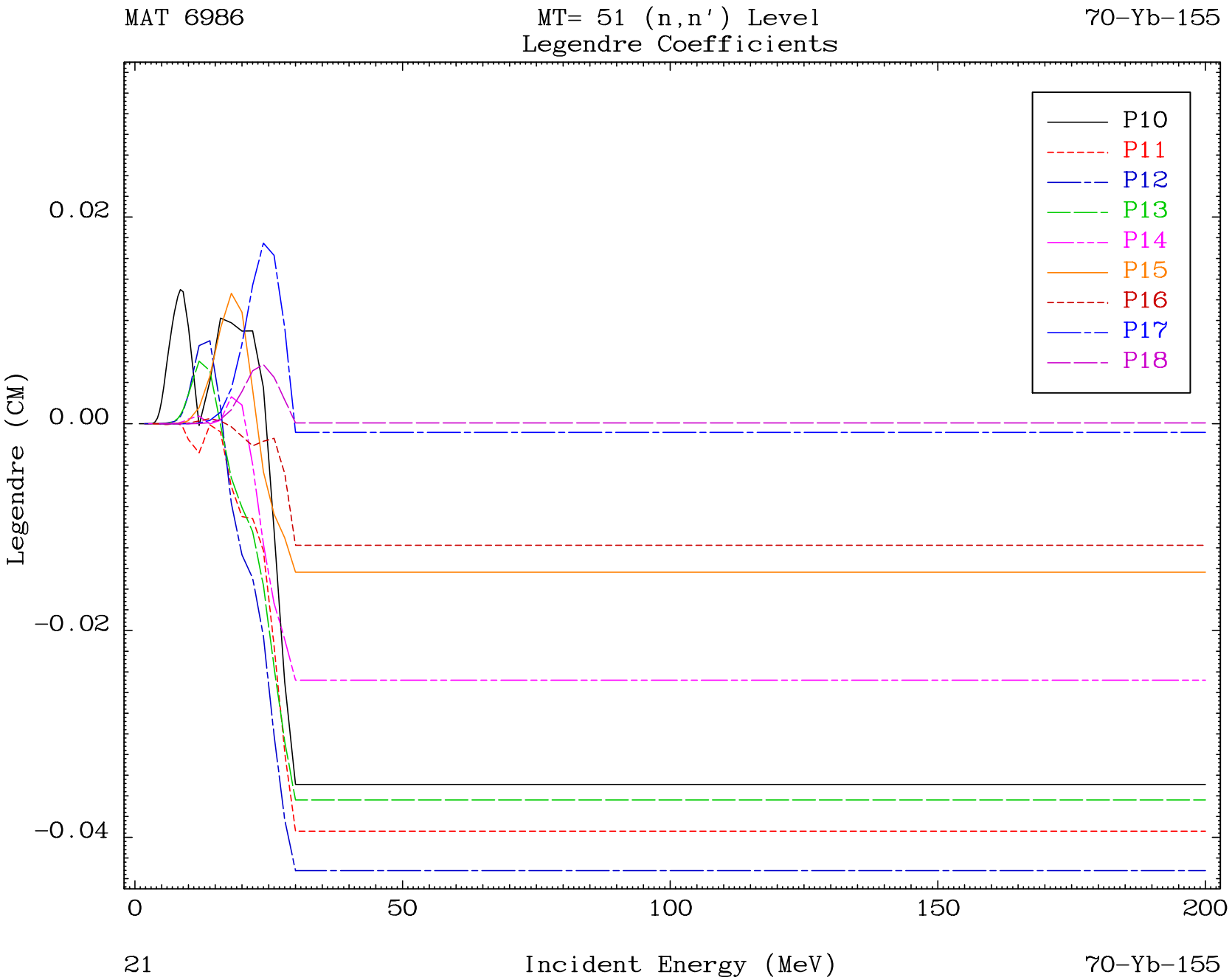

MAT 6986
Elastic
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
16
Incident Energy (MeV)
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9

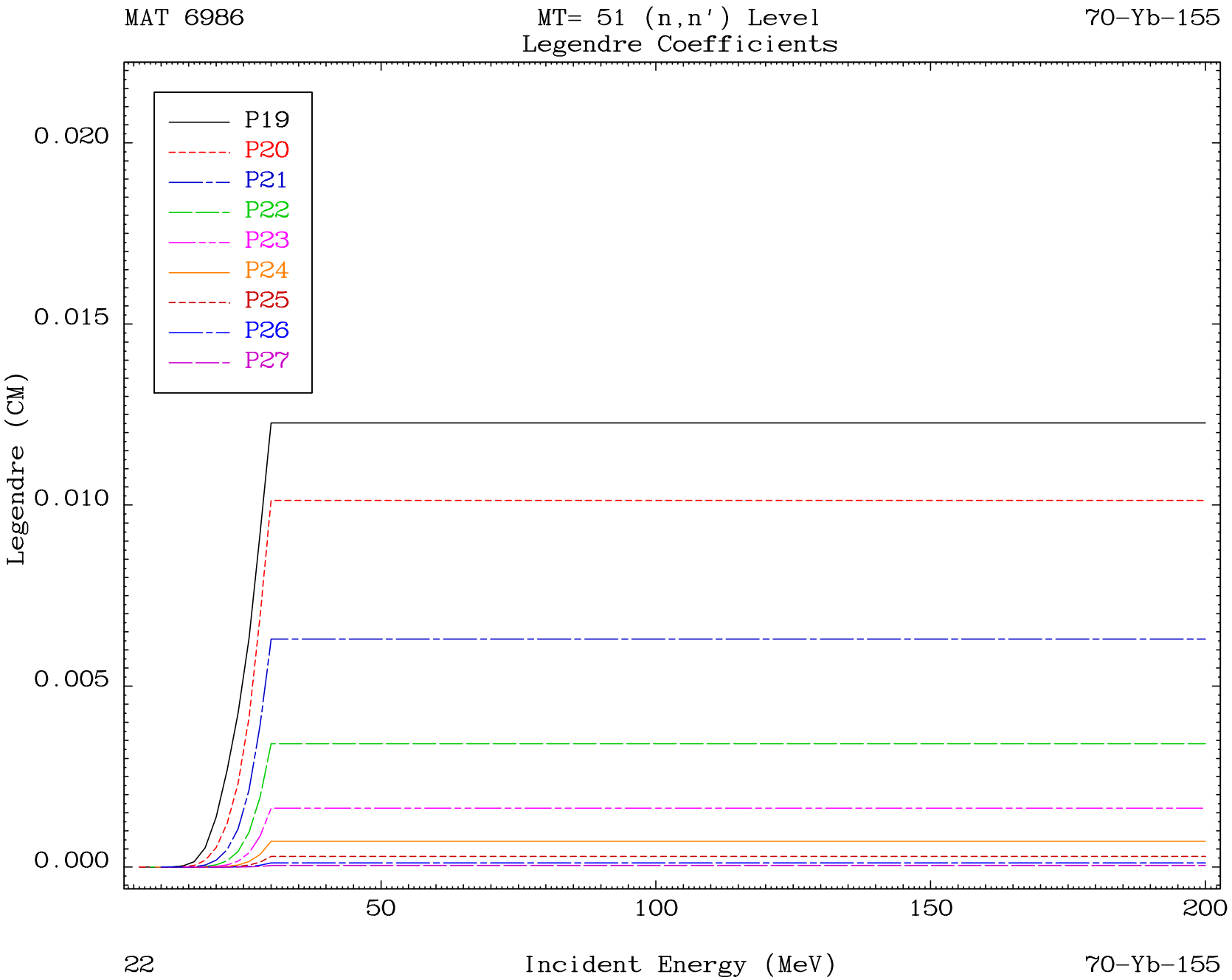

MAT 6986
Elastic
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
17
Incident Energy (MeV)
70-Yb-155

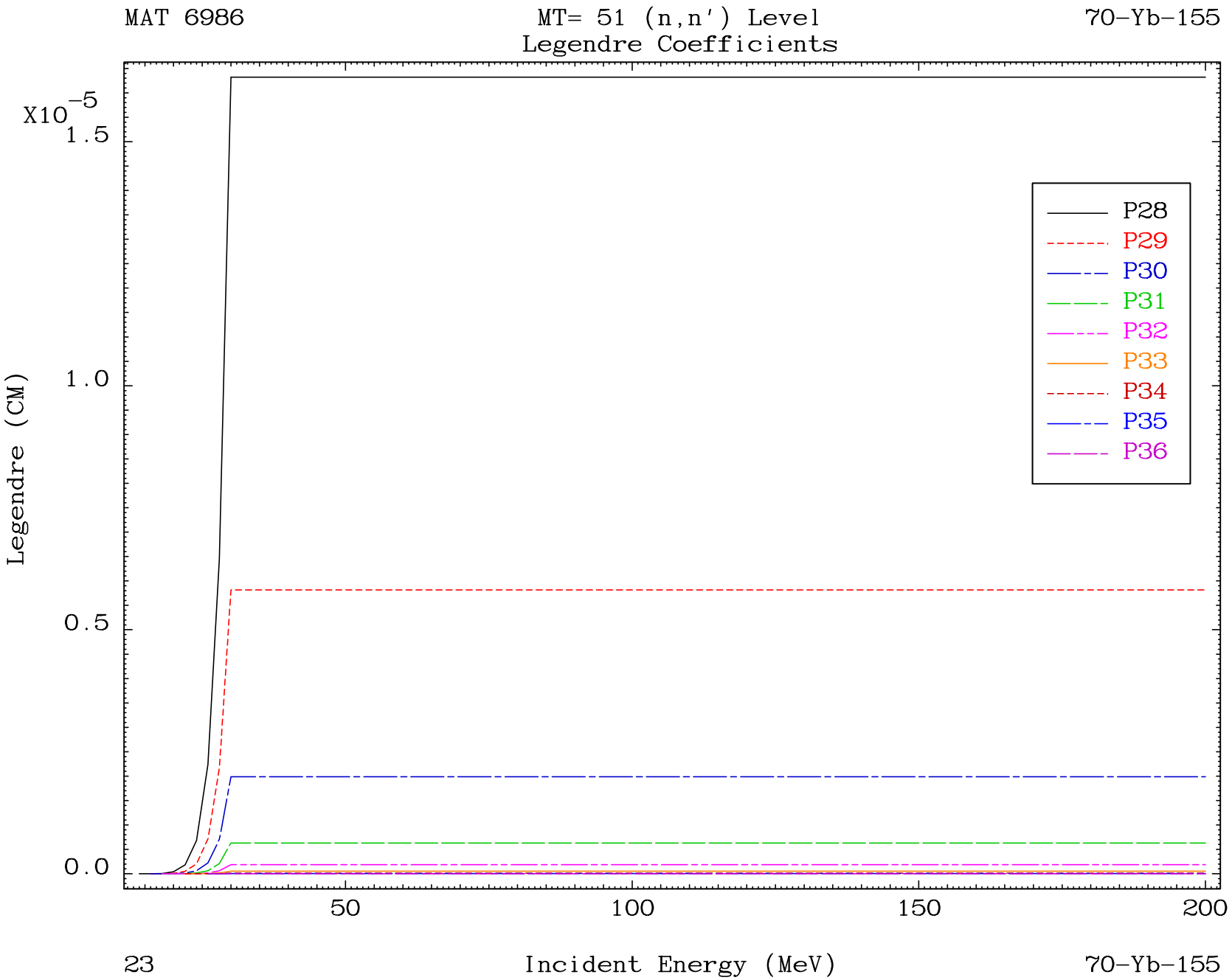

MAT 6986
Elastic
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
10
15
20
25
30
18
Incident Energy (MeV)
70-Yb-155

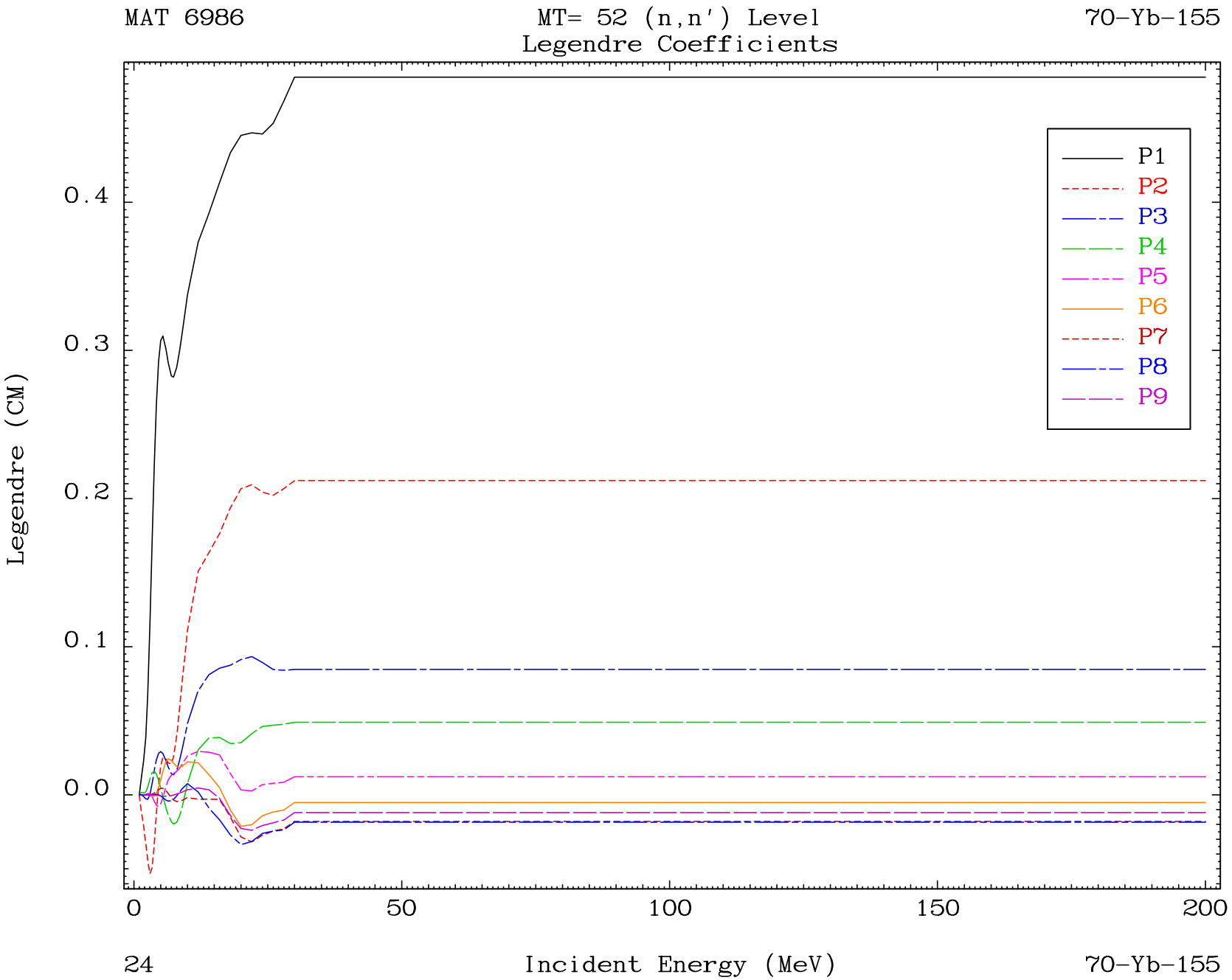

MAT 6986
Elastic
Legendre Coefficients
70-Yb-155
X10 -6
2.5
2.0
1.5
1.0
0.5
0.0
P28
P29
P30
P31
P32
P33
P34
Legendre (CM)
10
15
20
25
30
19
Incident Energy (MeV)
70-Yb-155

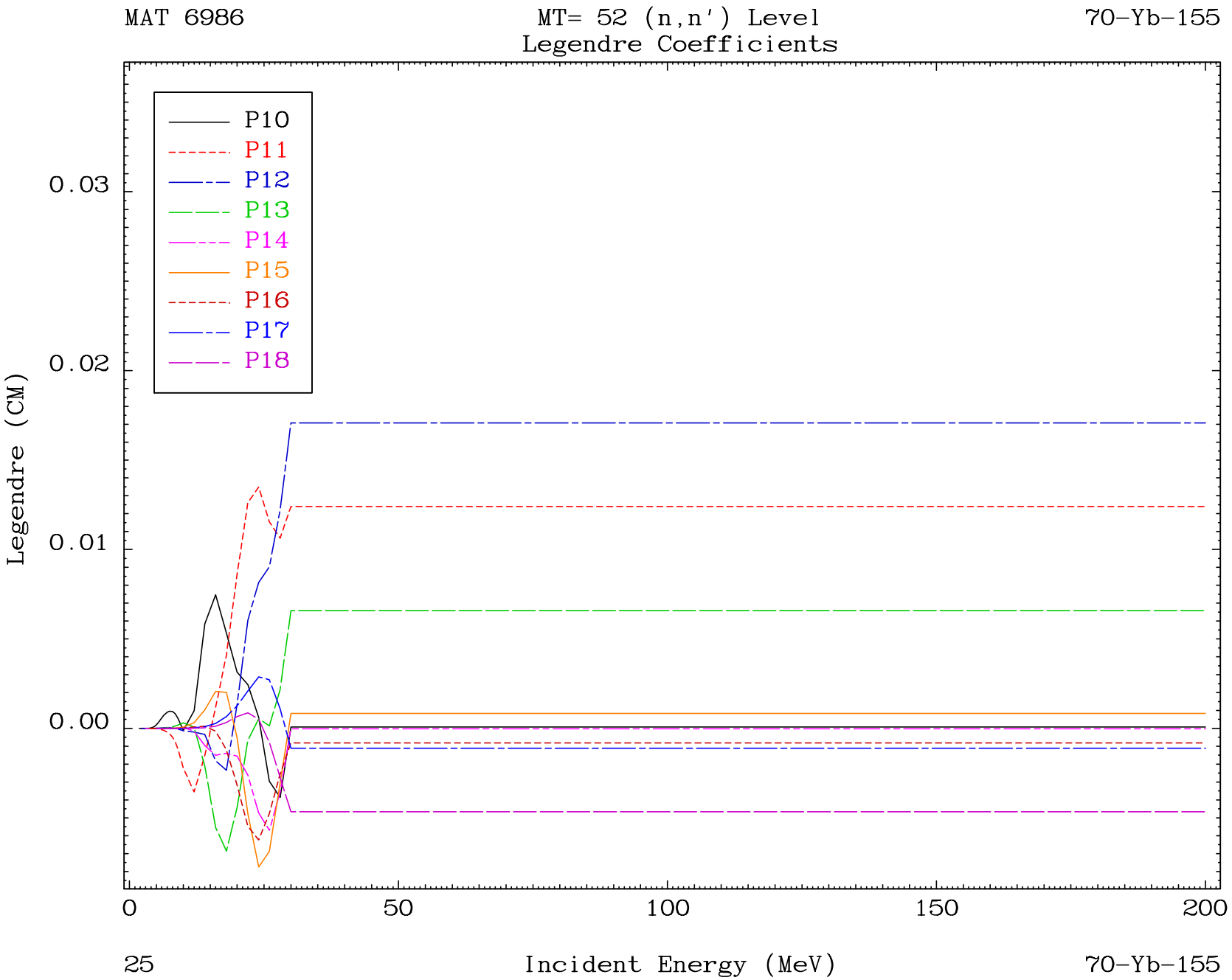

MAT 6986
MT= 51 (n,n') Level
Legendre Coefficients
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
20
Incident Energy (MeV)
70-Yb-155

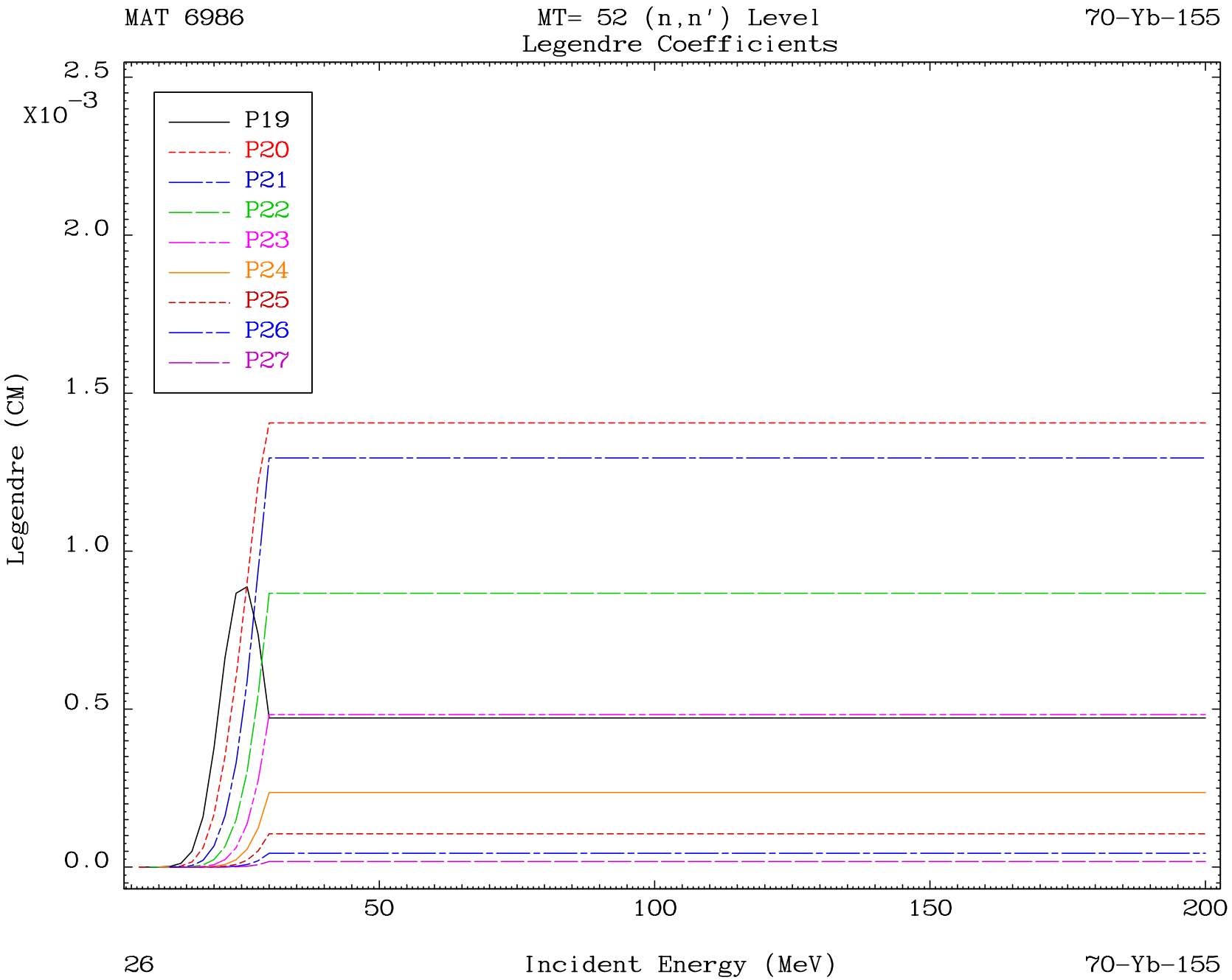

MAT 6986
MT= 51 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
21
Incident Energy (MeV)
70-Yb-155

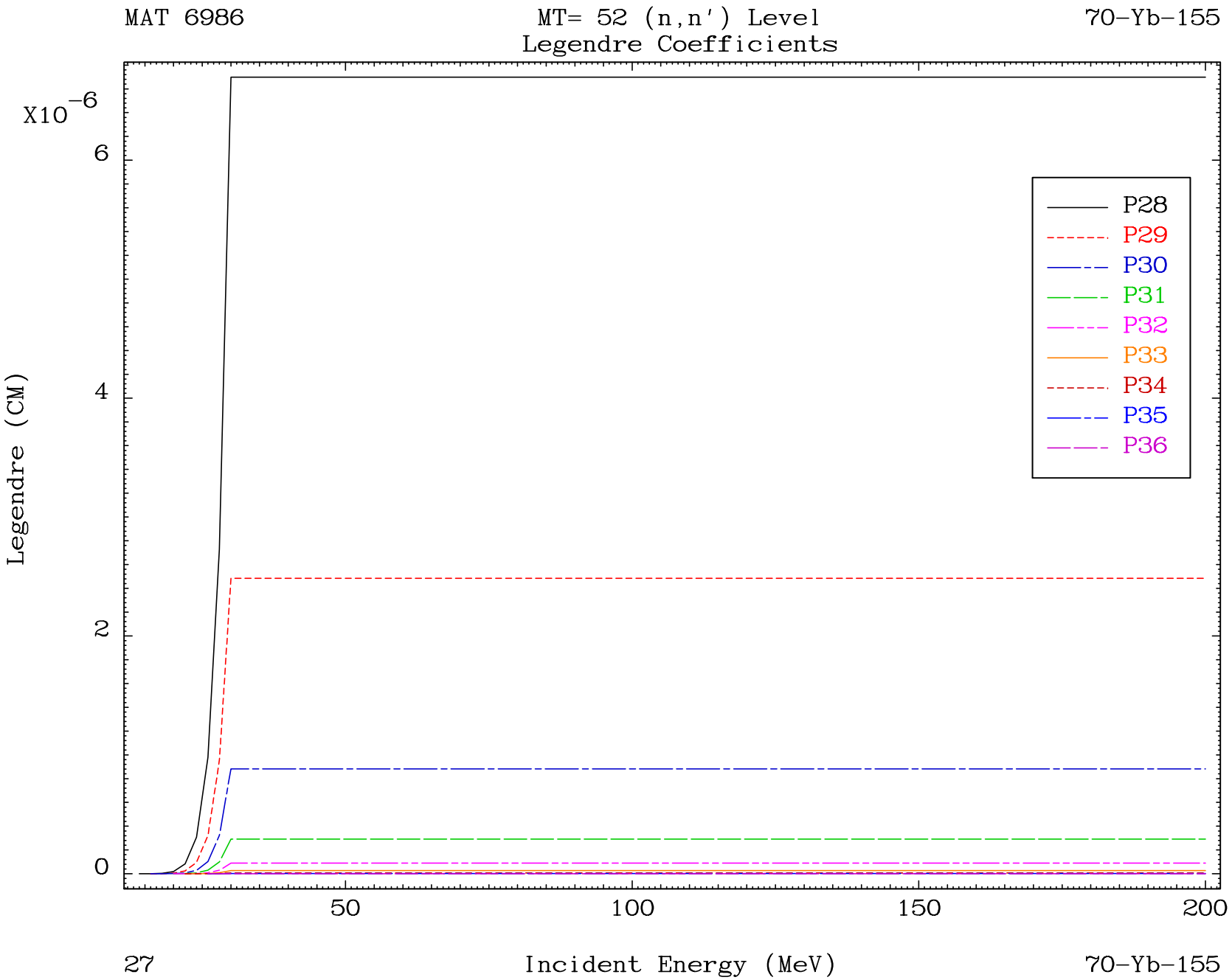

MAT 6986
MT= 51 (n,n') Level
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
22
Incident Energy (MeV)
70-Yb-155

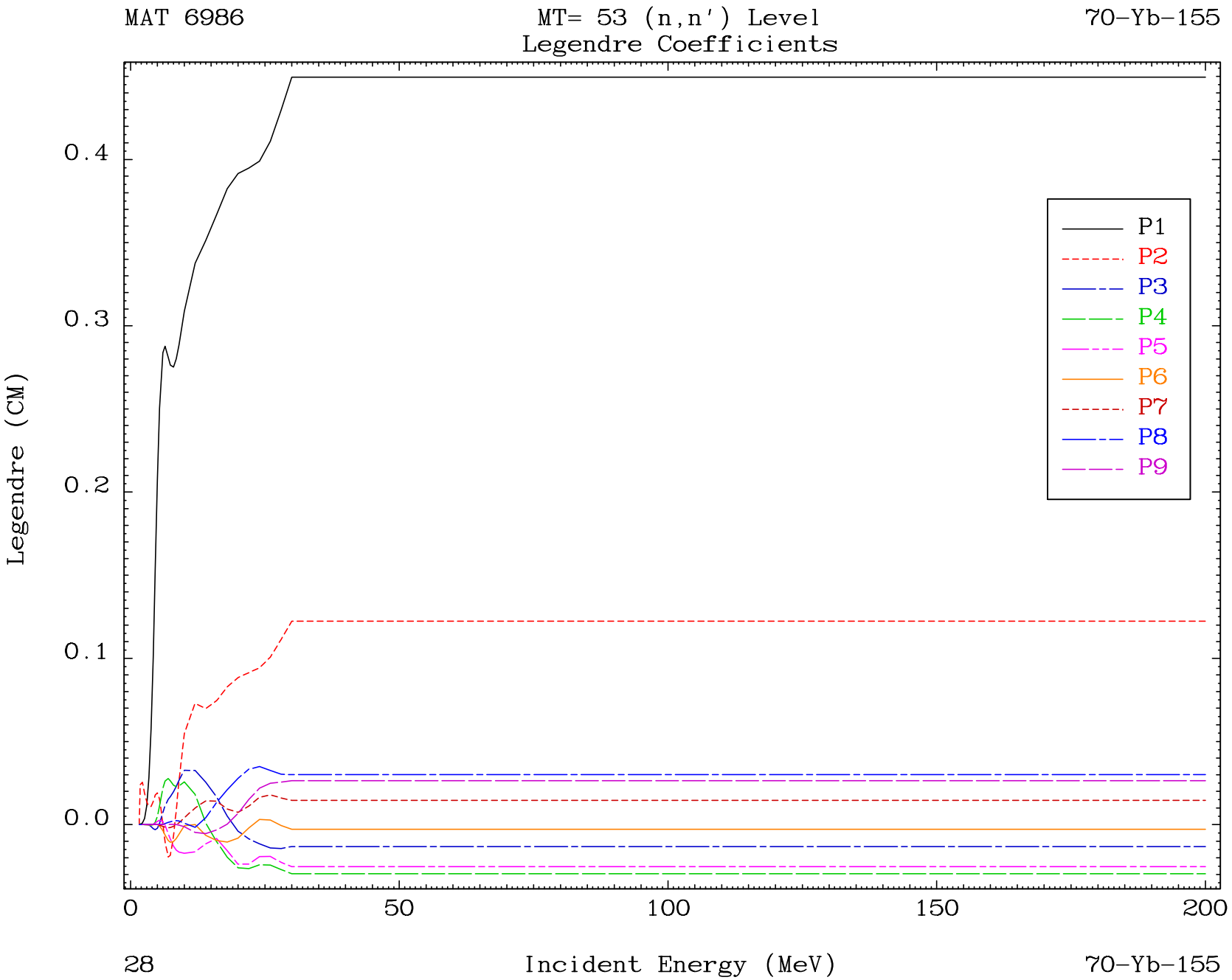

MAT 6986
MT= 51 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-5
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
23
Incident Energy (MeV)
70-Yb-155

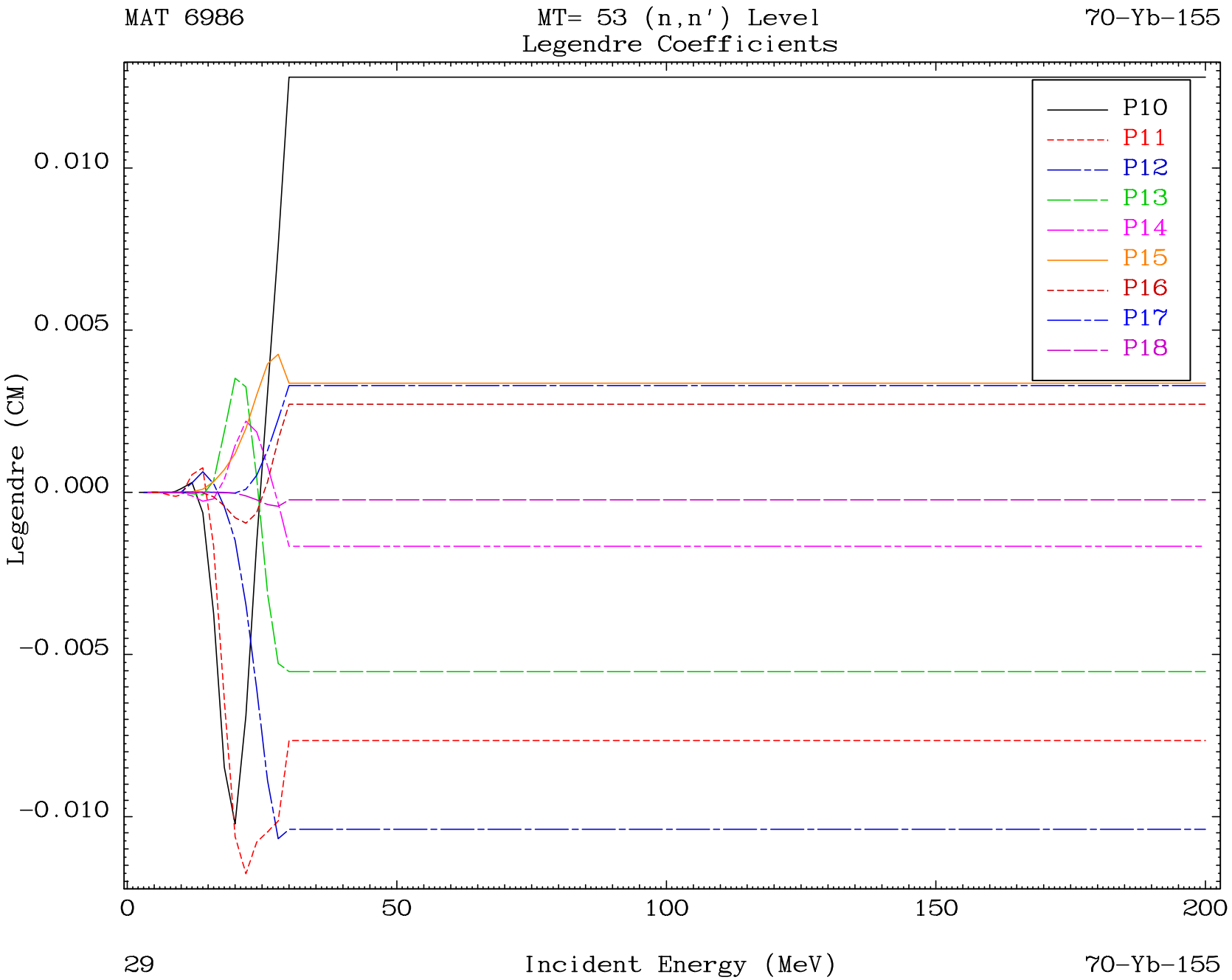

MAT 6986
MT= 52 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
24
Incident Energy (MeV)
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9

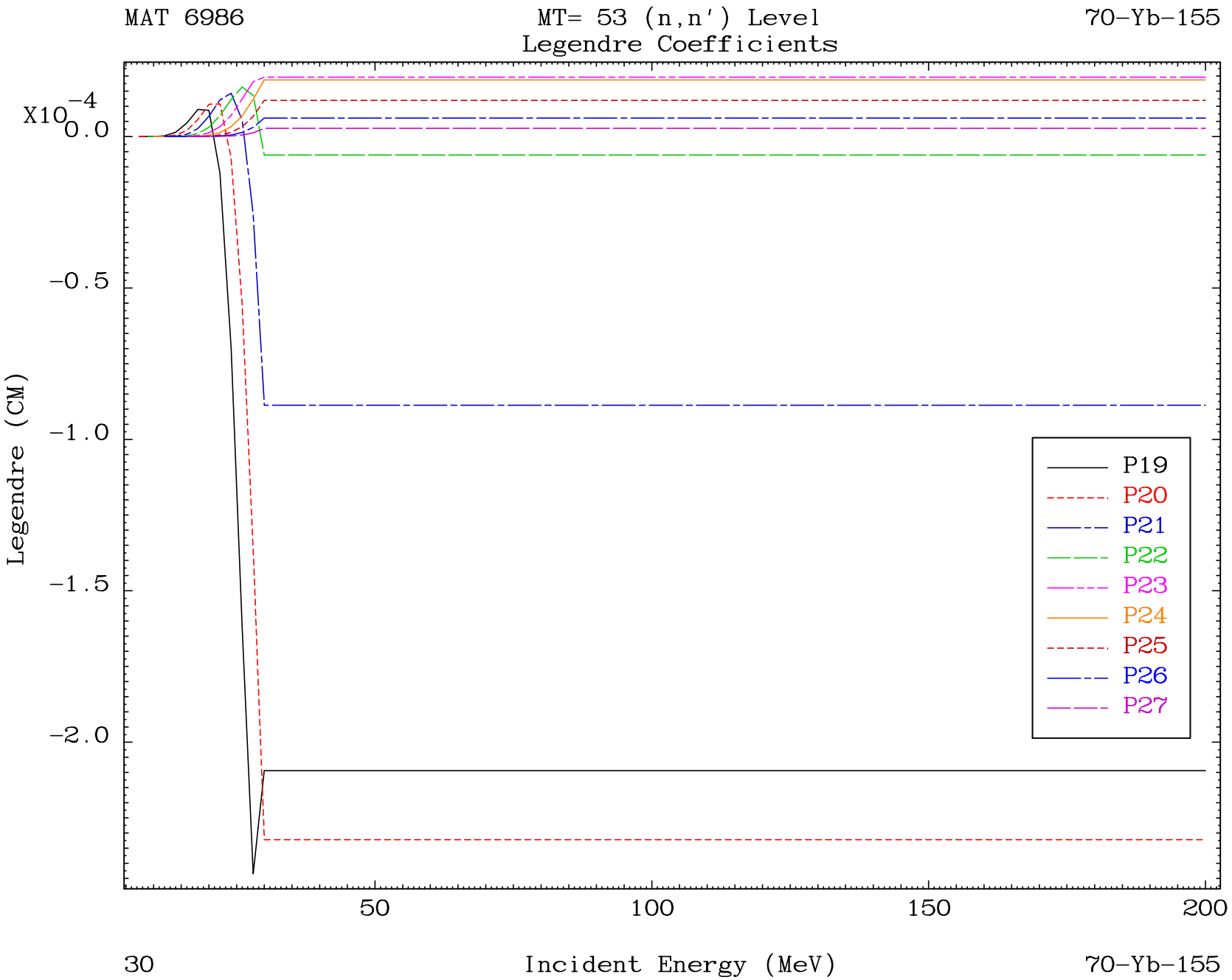

MAT 6986
MT= 52 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
25
Incident Energy (MeV)
70-Yb-155

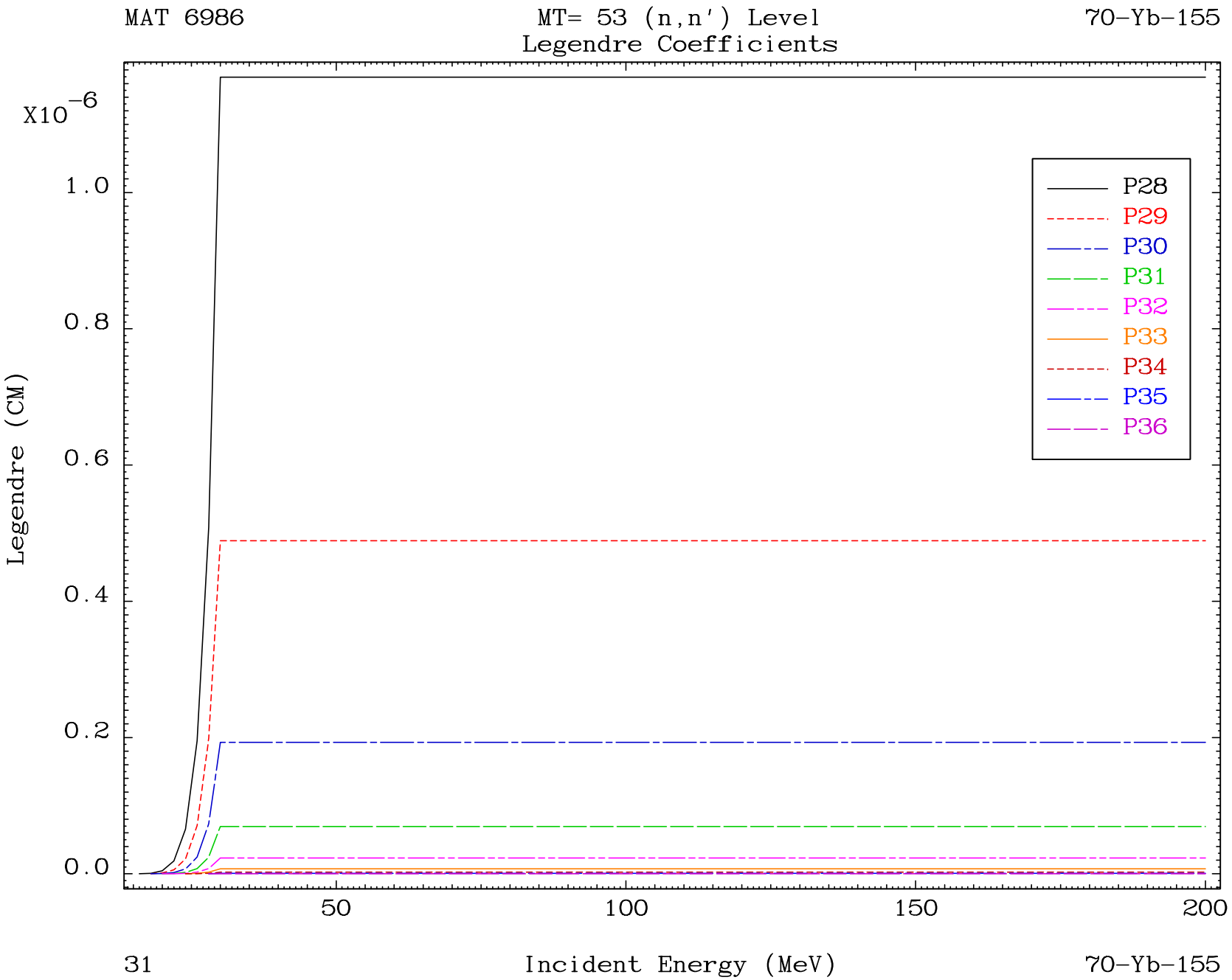

MAT 6986
MT= 52 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-3
2.5
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
26
Incident Energy (MeV)
70-Yb-155

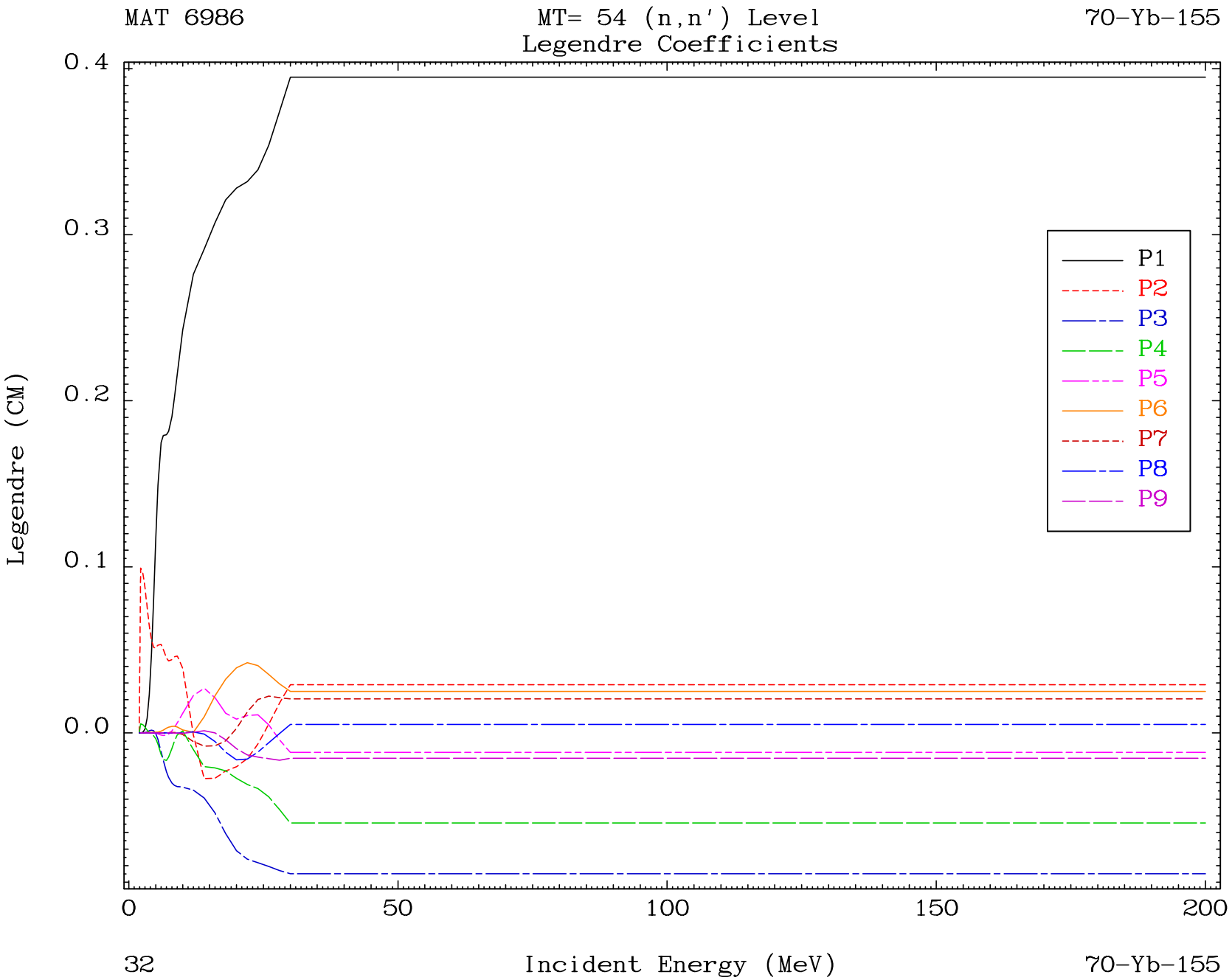

MAT 6986
MT= 52 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-6
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
27
Incident Energy (MeV)
70-Yb-155

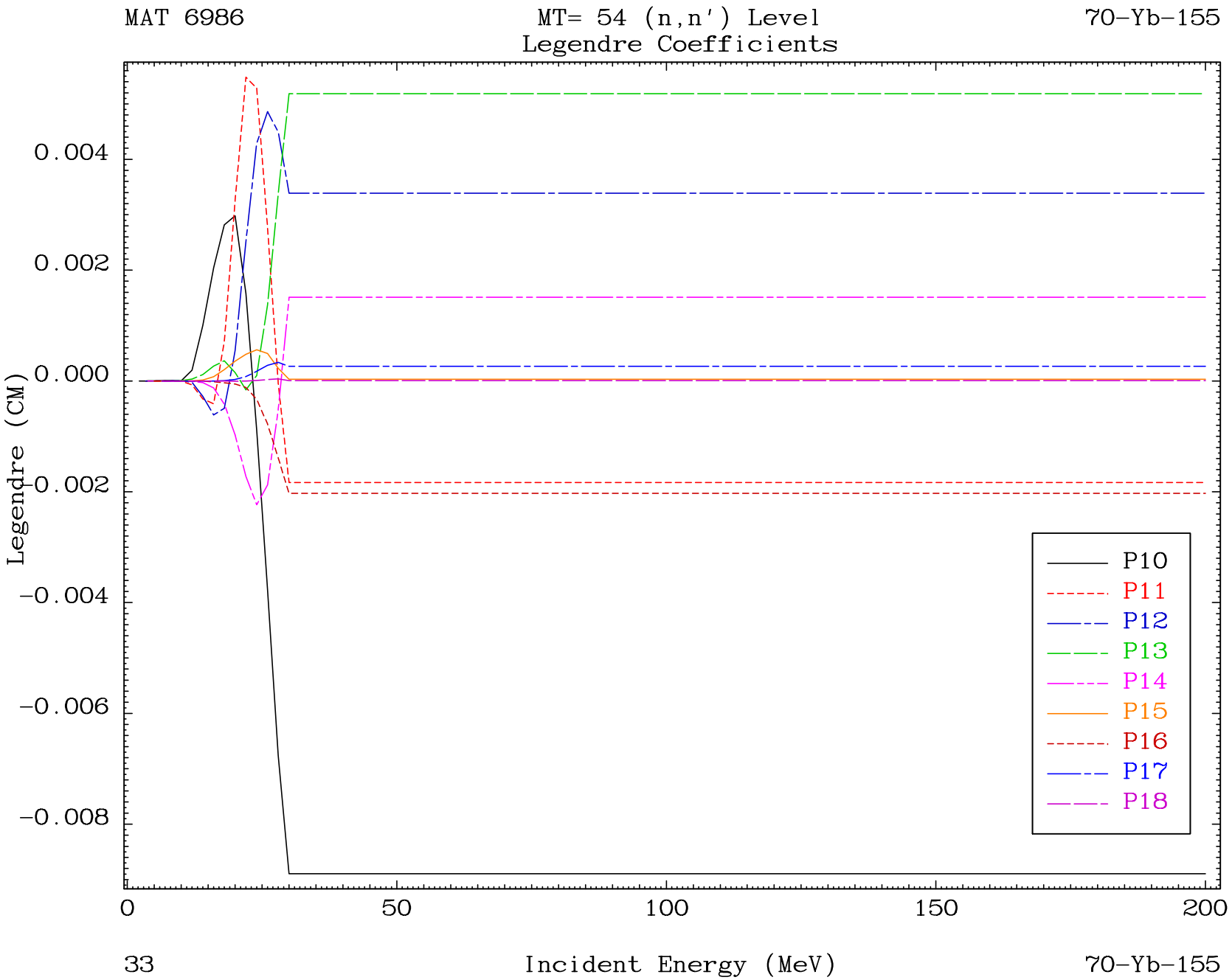

MAT 6986
MT= 53 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
28
Incident Energy (MeV)
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9

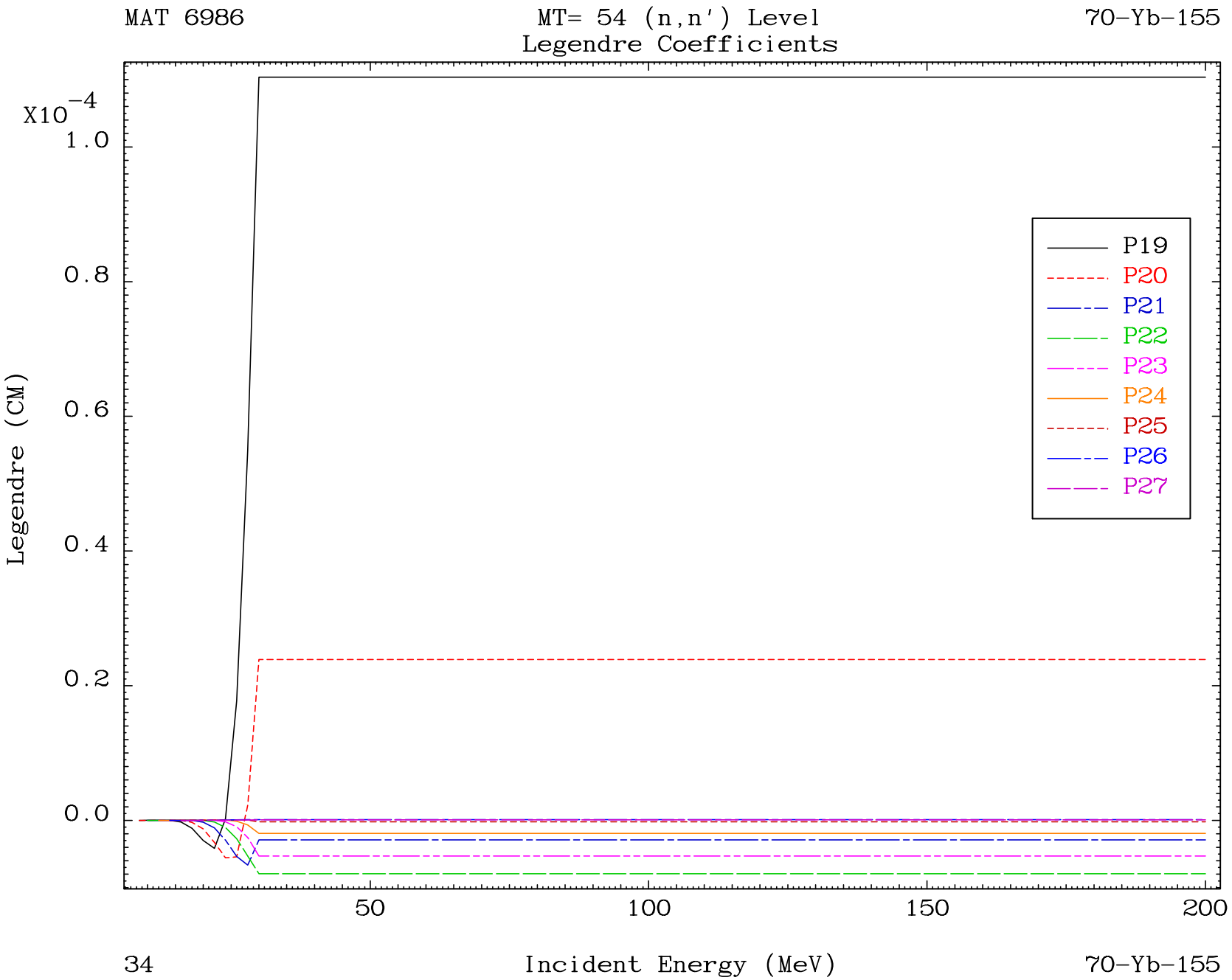

MAT 6986
MT= 53 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.005
0.000
-0.005
-0.010
Legendre (CM)
0
50
100
150
200
29
Incident Energy (MeV)
70-Yb-155

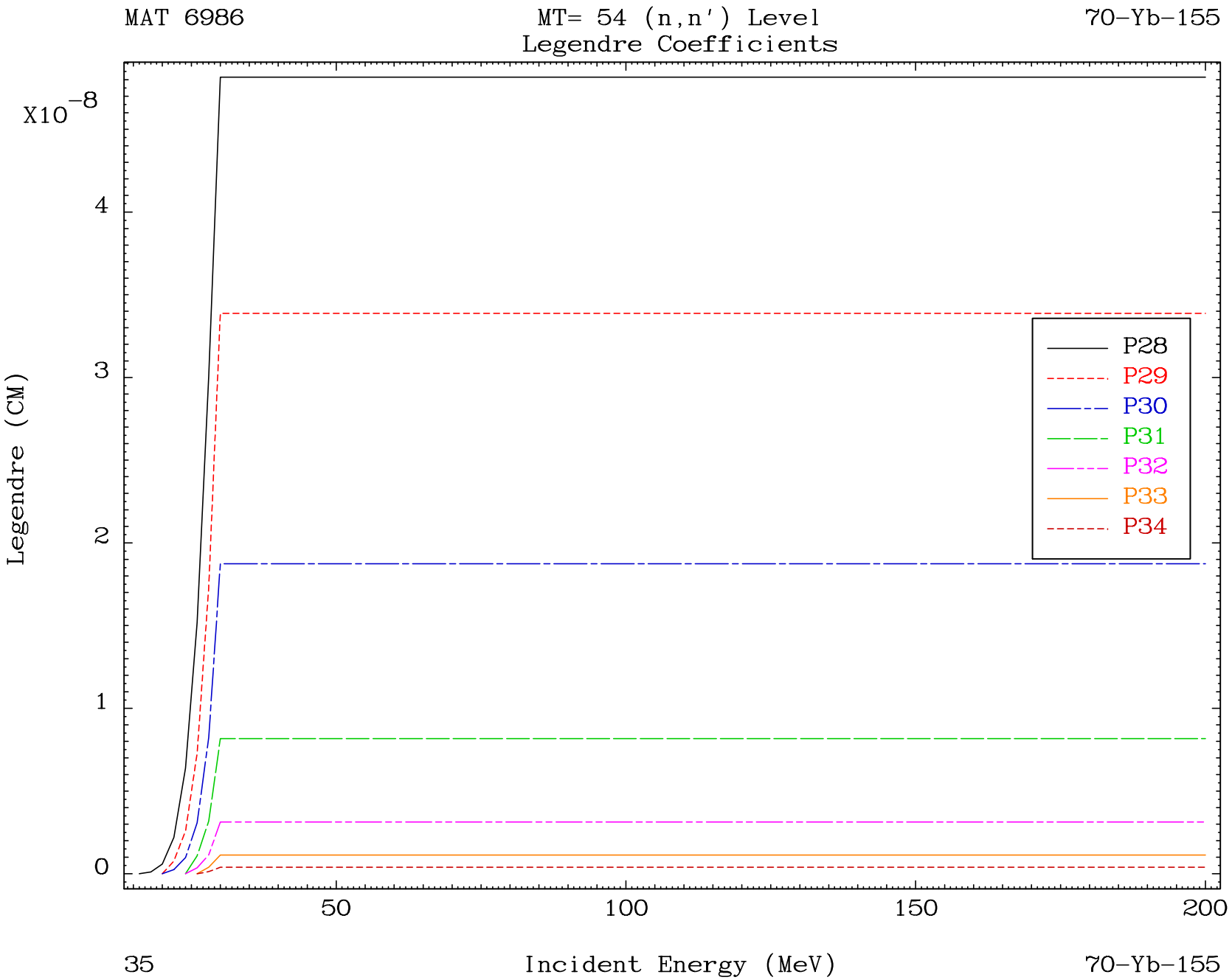

MAT 6986
MT= 53 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
30
50
100
150
200
Incident Energy (MeV)
70-Yb-155

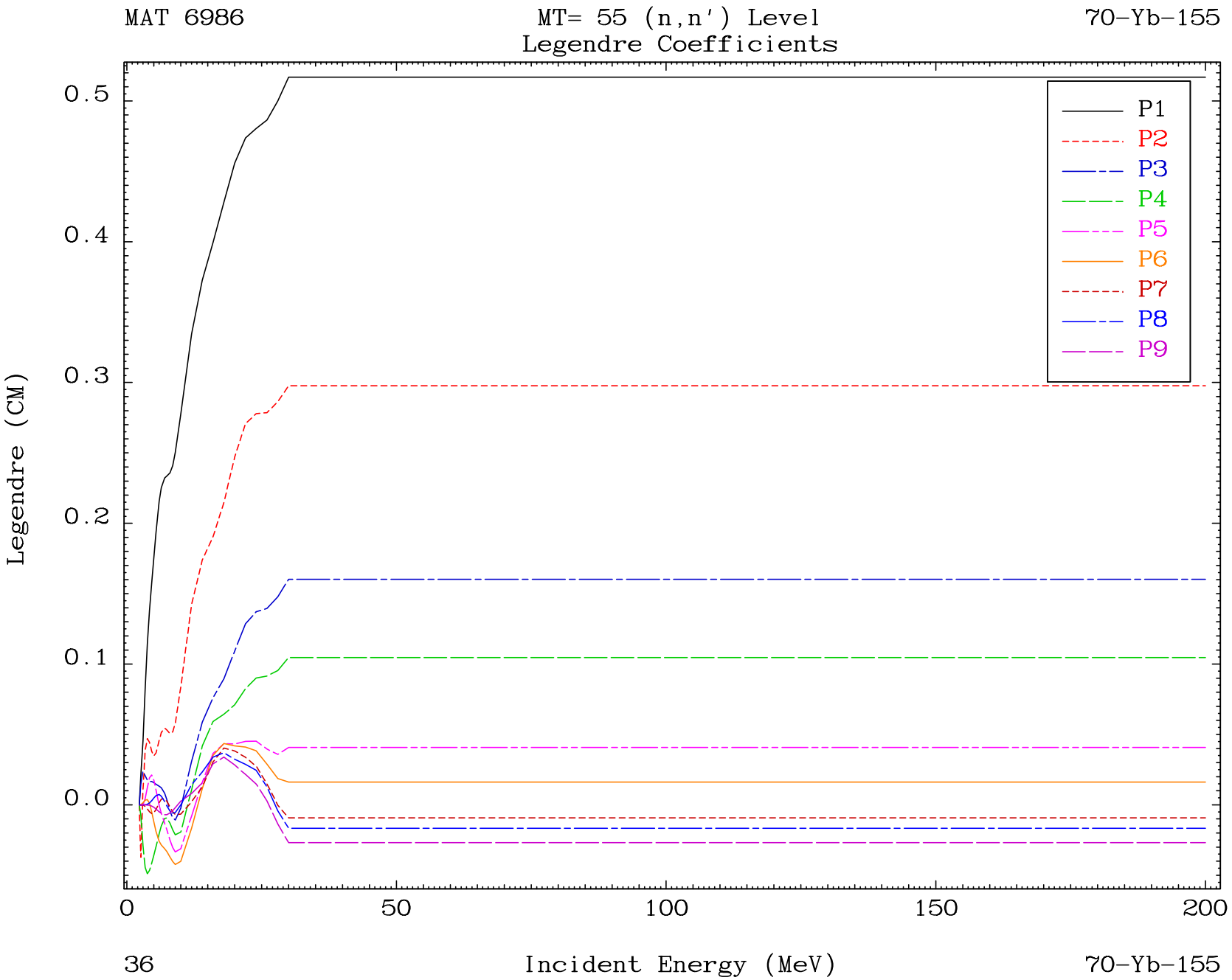

MAT 6986
MT= 53 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
31
Incident Energy (MeV)
70-Yb-155

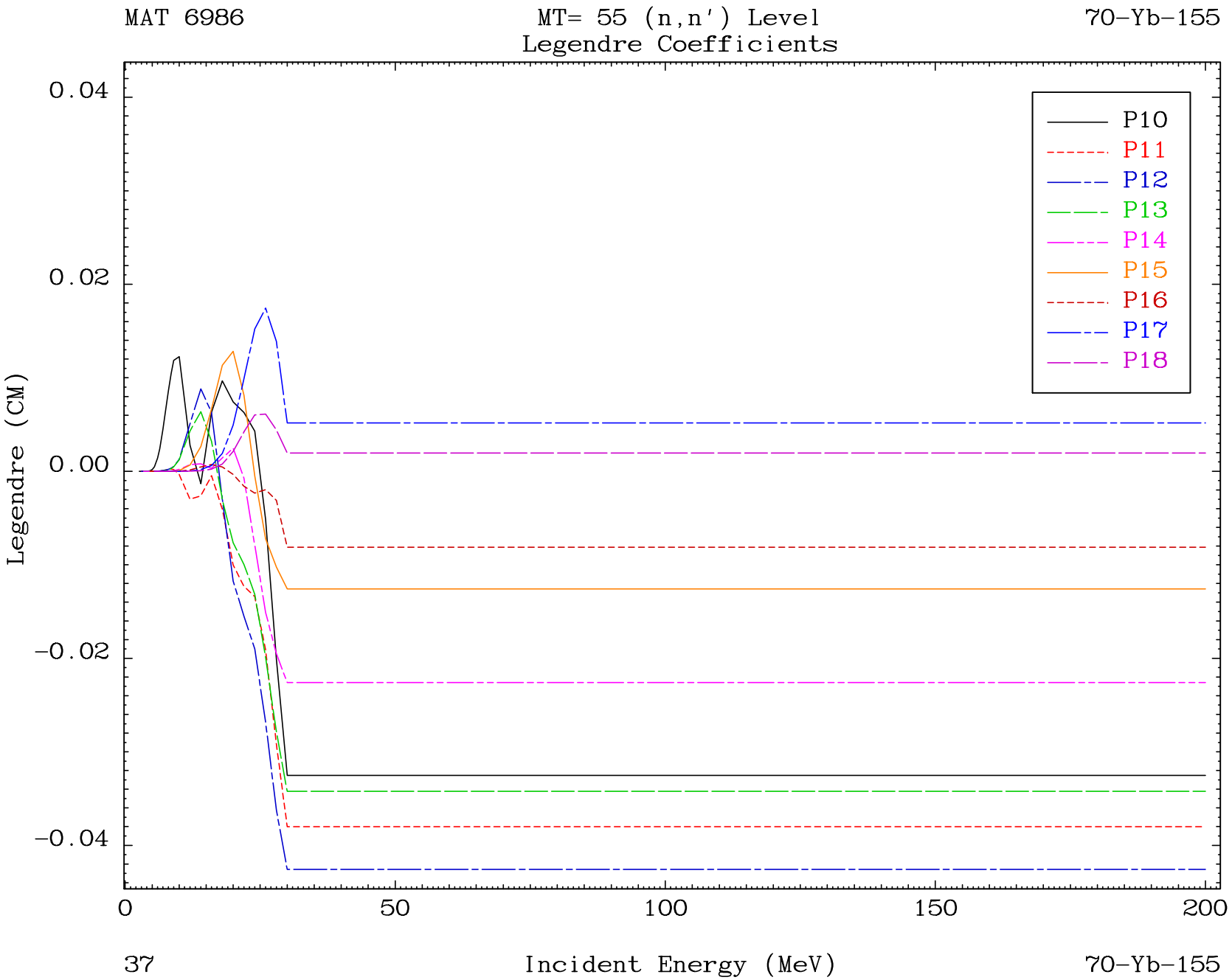

MAT 6986
MT= 54 (n,n') Level
Legendre Coefficients
70-Yb-155
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
32
Incident Energy (MeV)
70-Yb-155

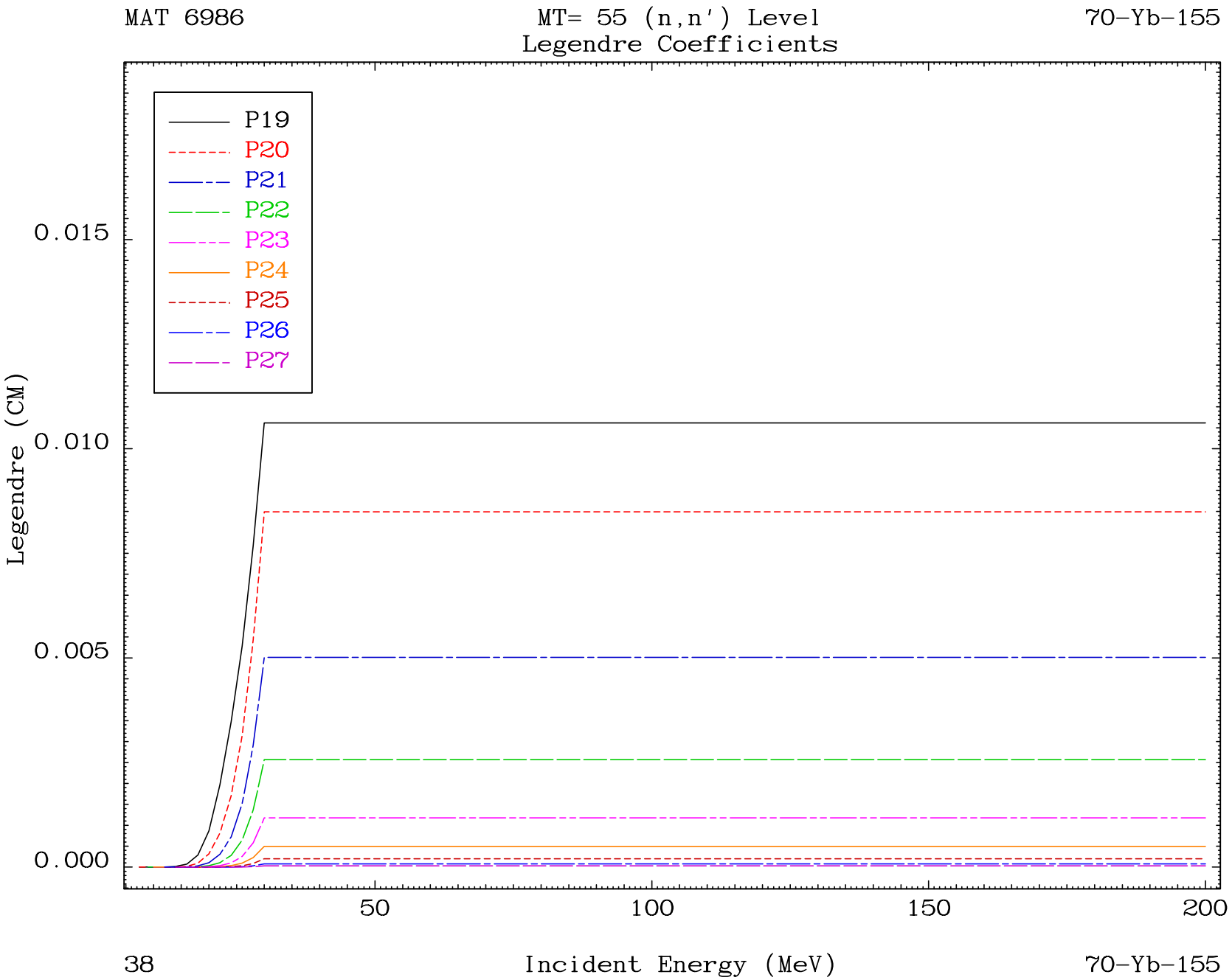

MAT 6986
MT= 54 (n,n') Level
Legendre Coefficients
70-Yb-155
0.004
0.002
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
0
50
100
150
200
33
Incident Energy (MeV)
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18

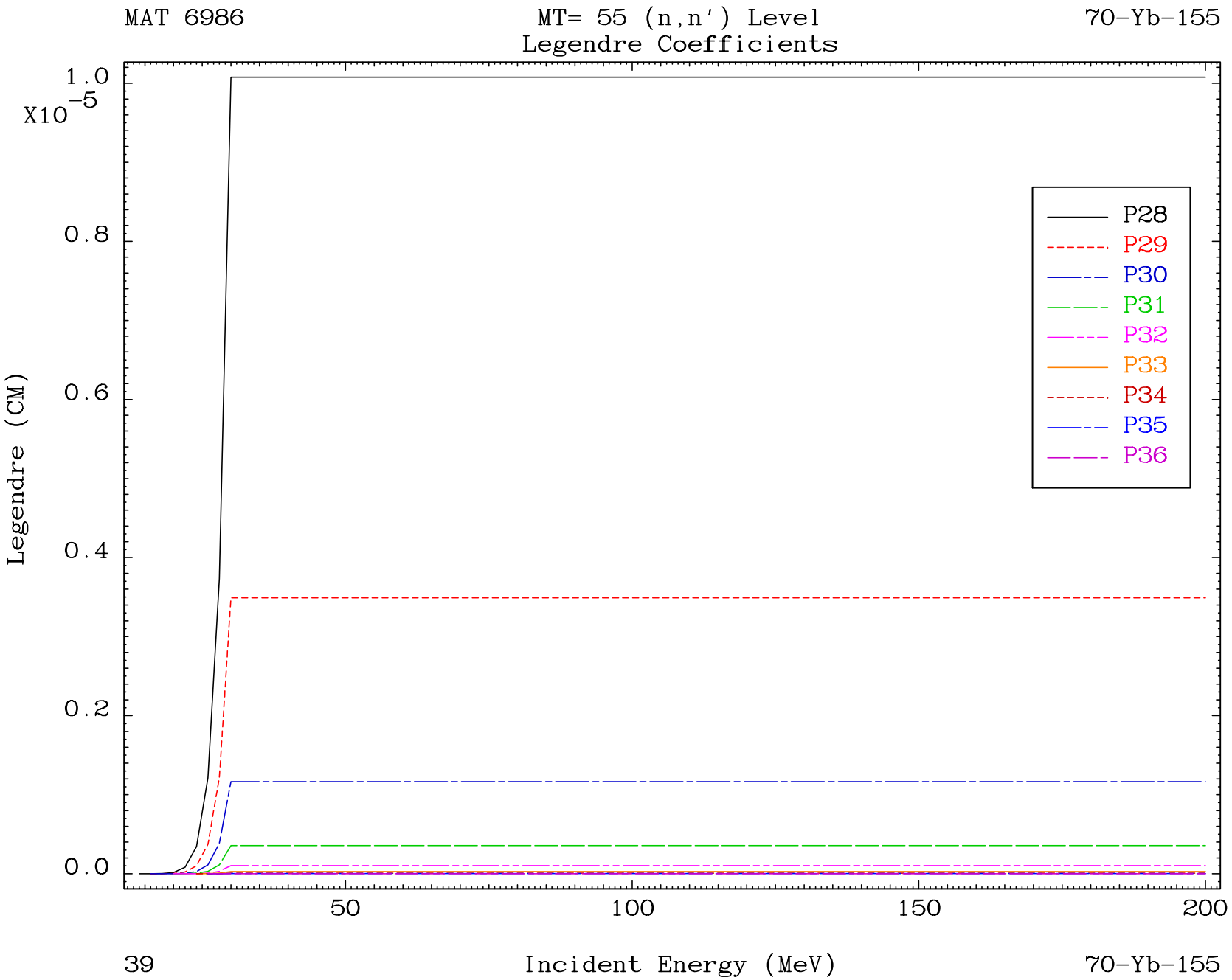

MAT 6986
MT= 54 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-4
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
34
Incident Energy (MeV)
70-Yb-155

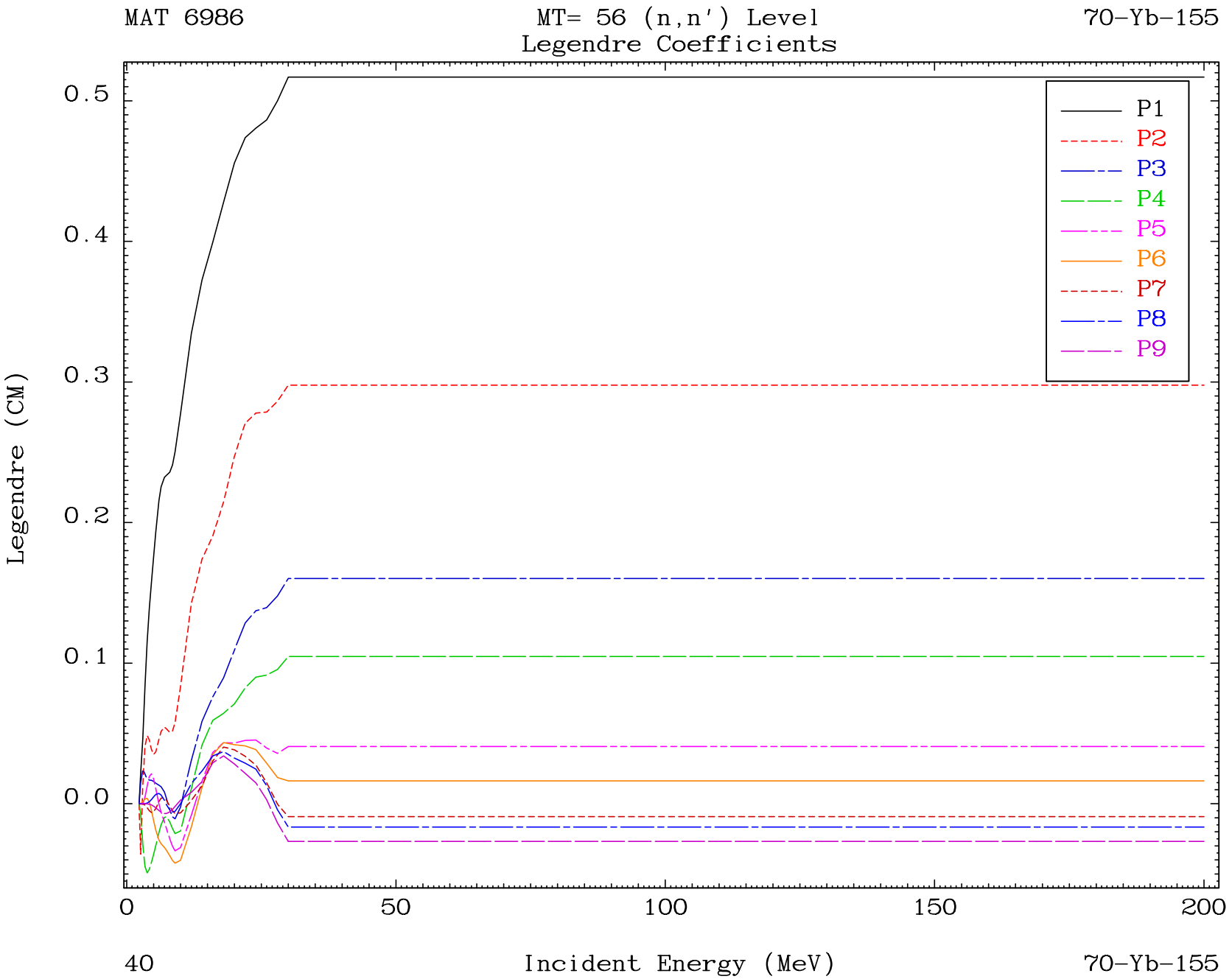

MAT 6986
MT= 54 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-8
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
35
Incident Energy (MeV)
70-Yb-155

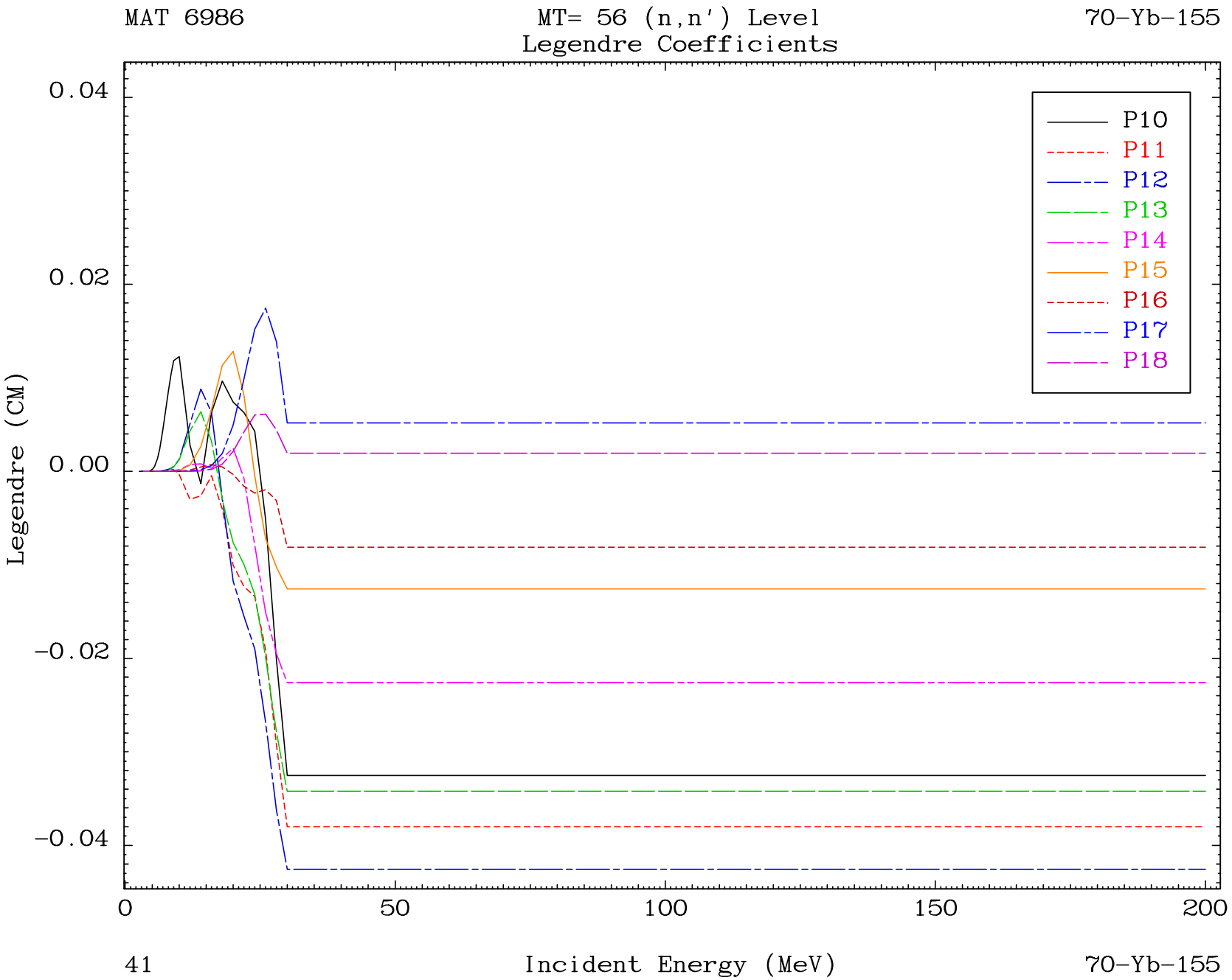

MAT 6986
MT= 55 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
36
Incident Energy (MeV)
70-Yb-155

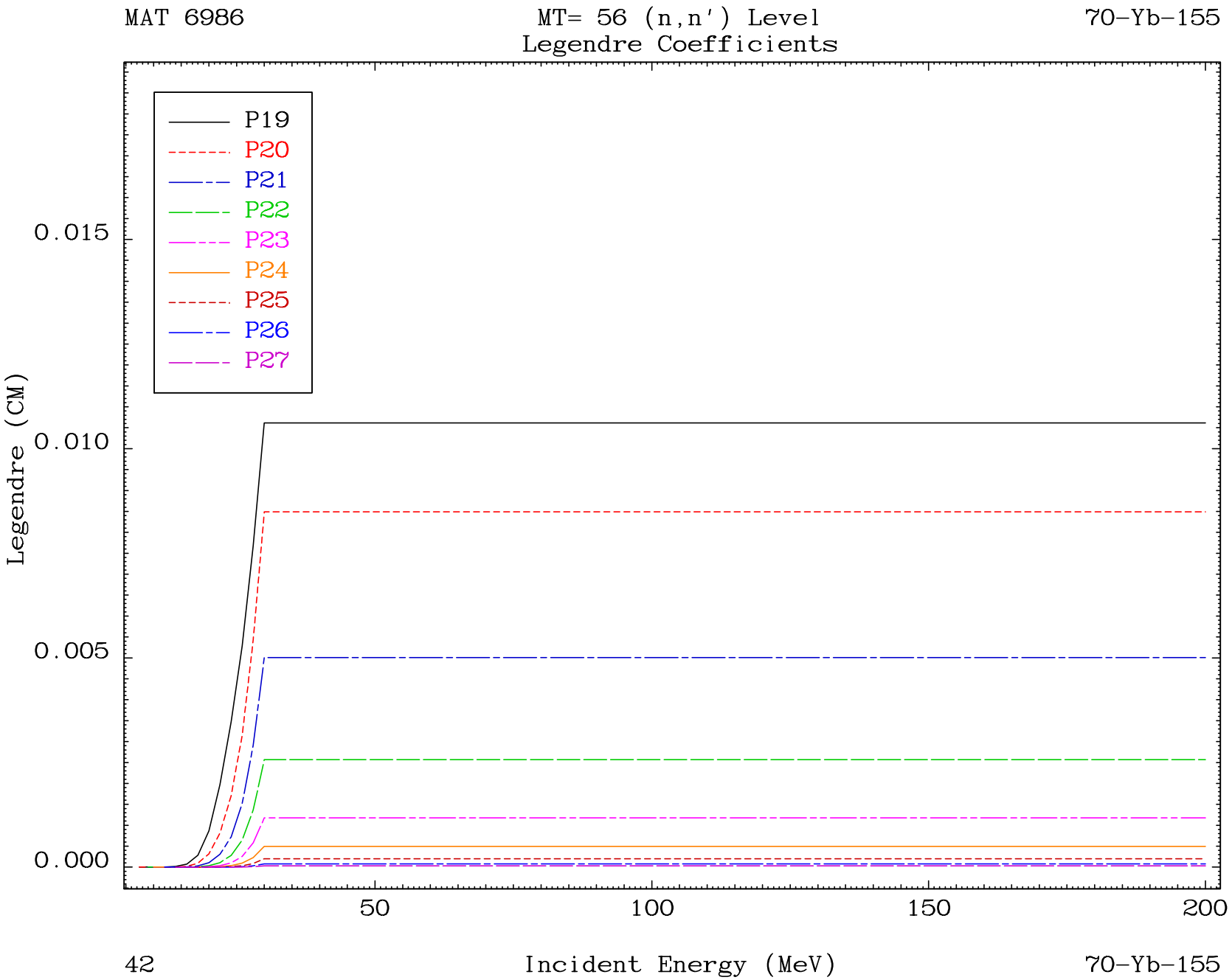

MAT 6986
MT= 55 (n,n') Level
Legendre Coefficients
70-Yb-155
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
37
Incident Energy (MeV)
70-Yb-155

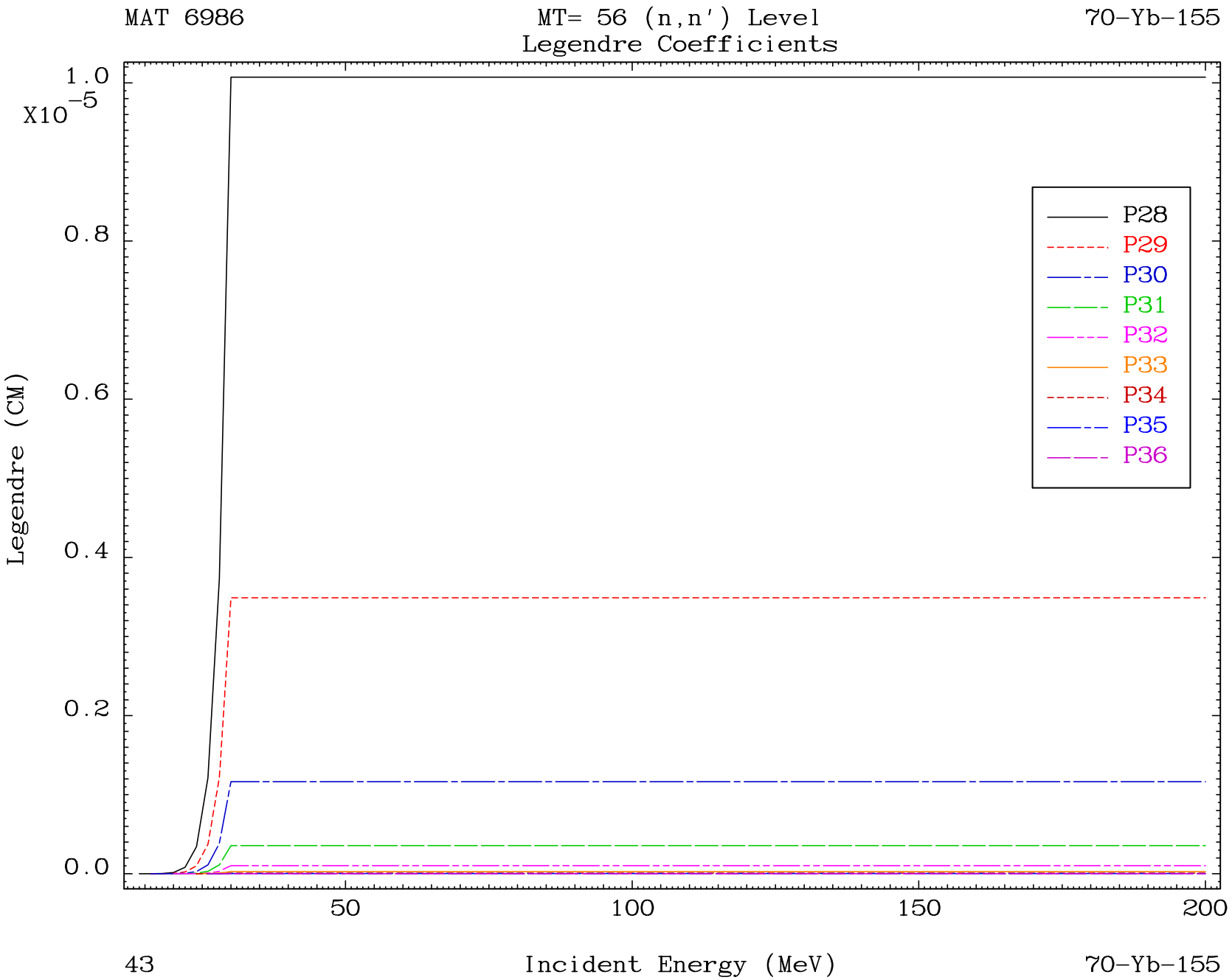

MAT 6986
MT= 55 (n,n') Level
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
38
Incident Energy (MeV)
70-Yb-155

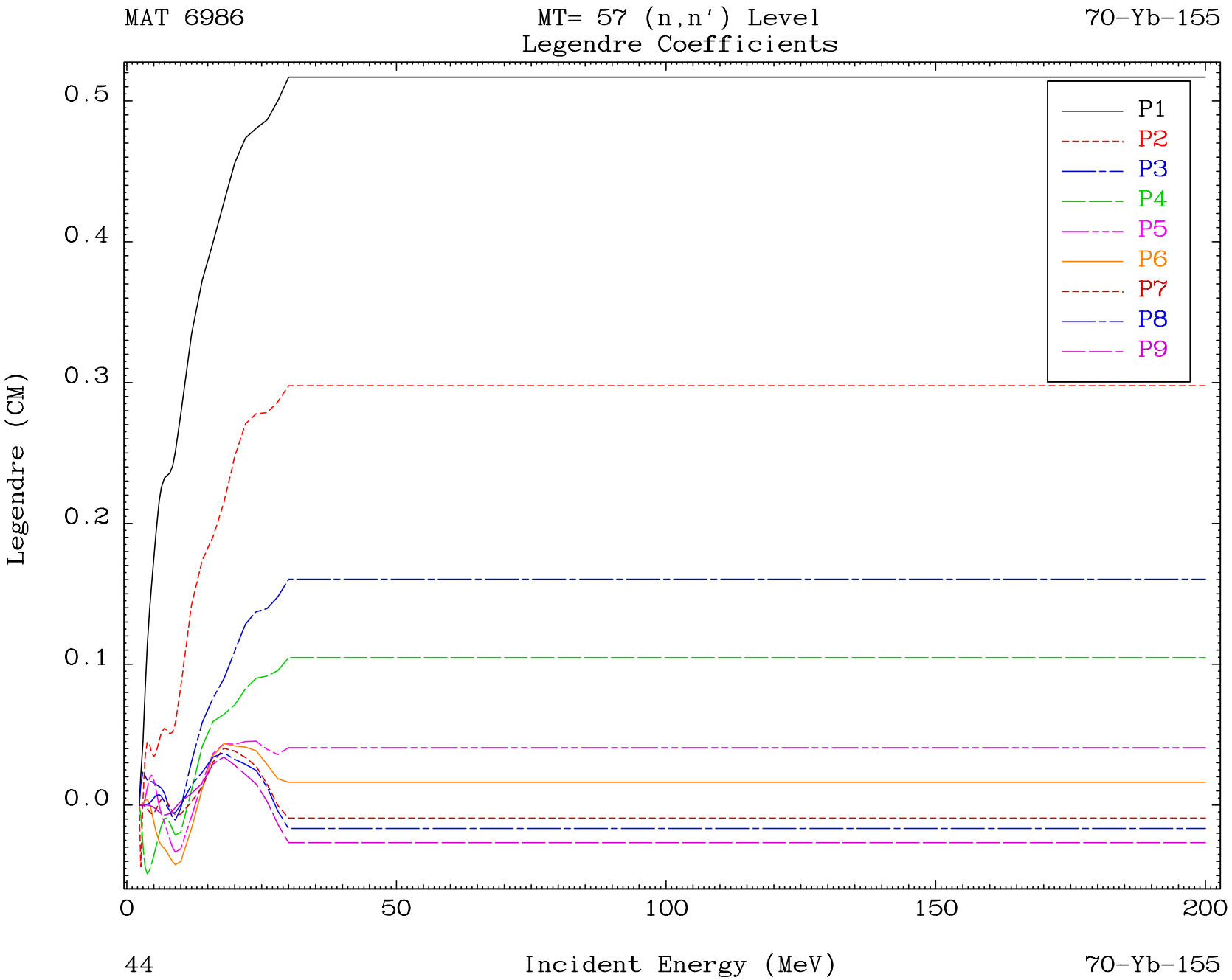

MAT 6986
MT= 55 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10^-5
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
39
Incident Energy (MeV)
70-Yb-155

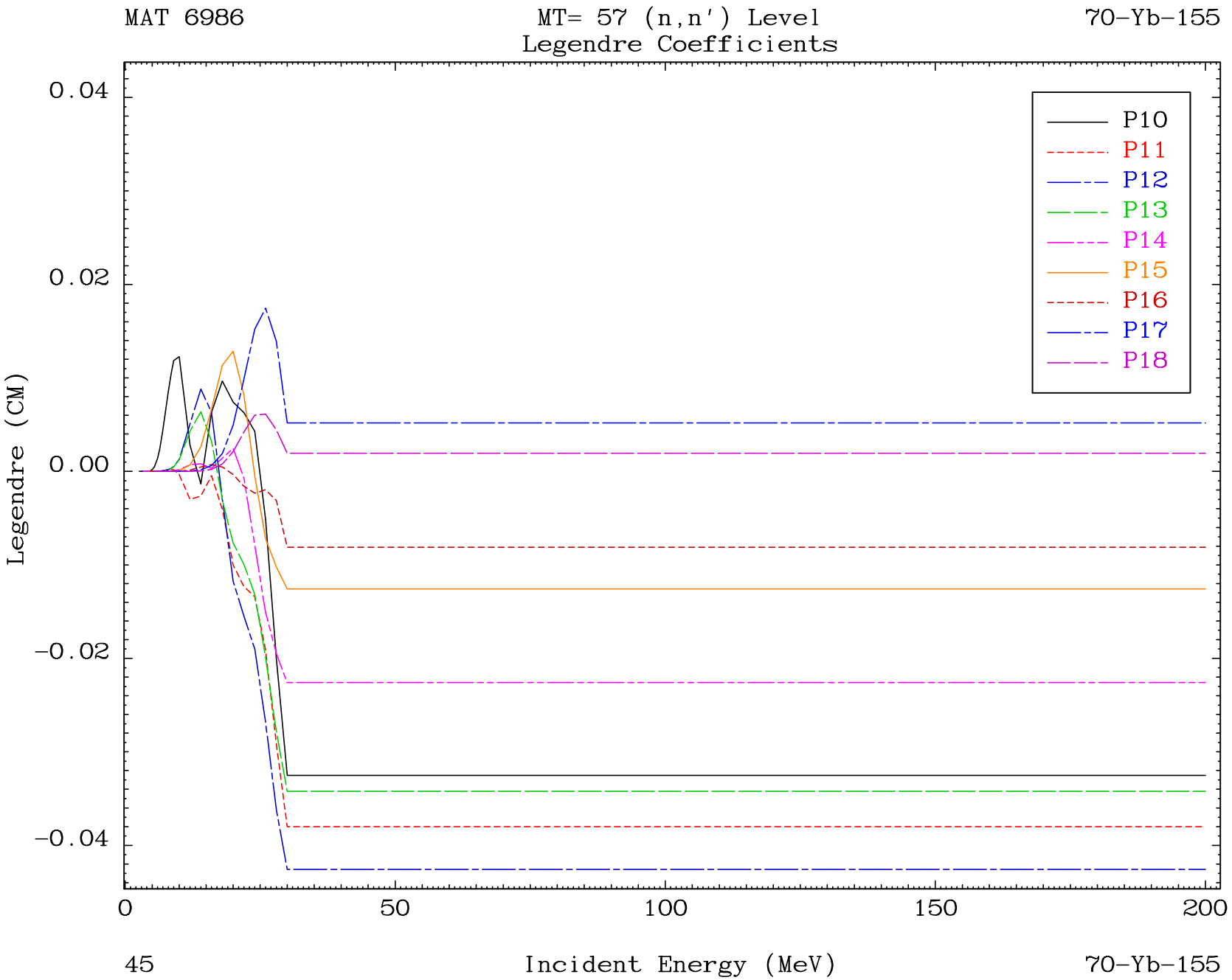

MAT 6986
MT= 56 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
40
Incident Energy (MeV)
70-Yb-155

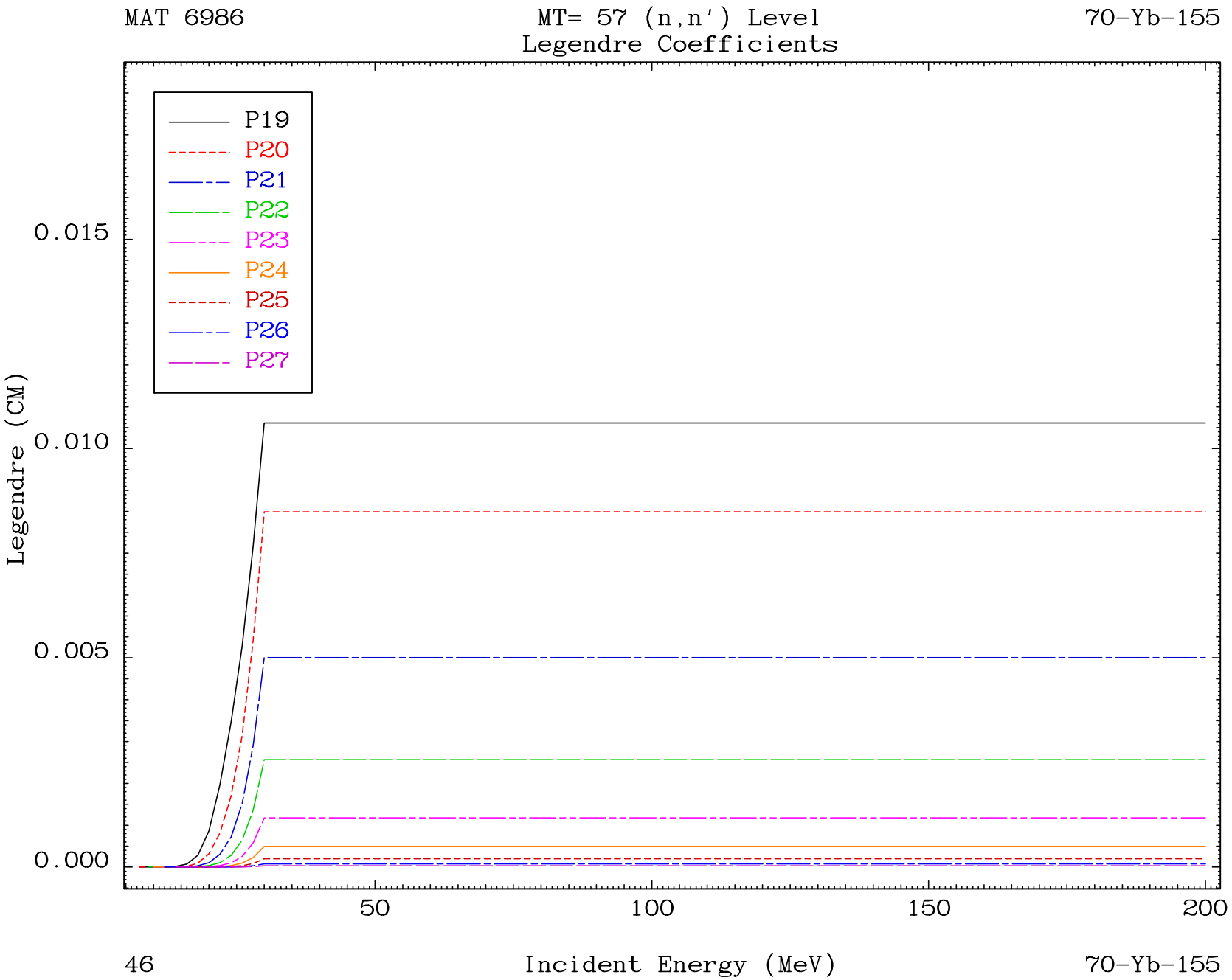

MAT 6986
MT= 56 (n,n') Level
Legendre Coefficients
70-Yb-155
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18

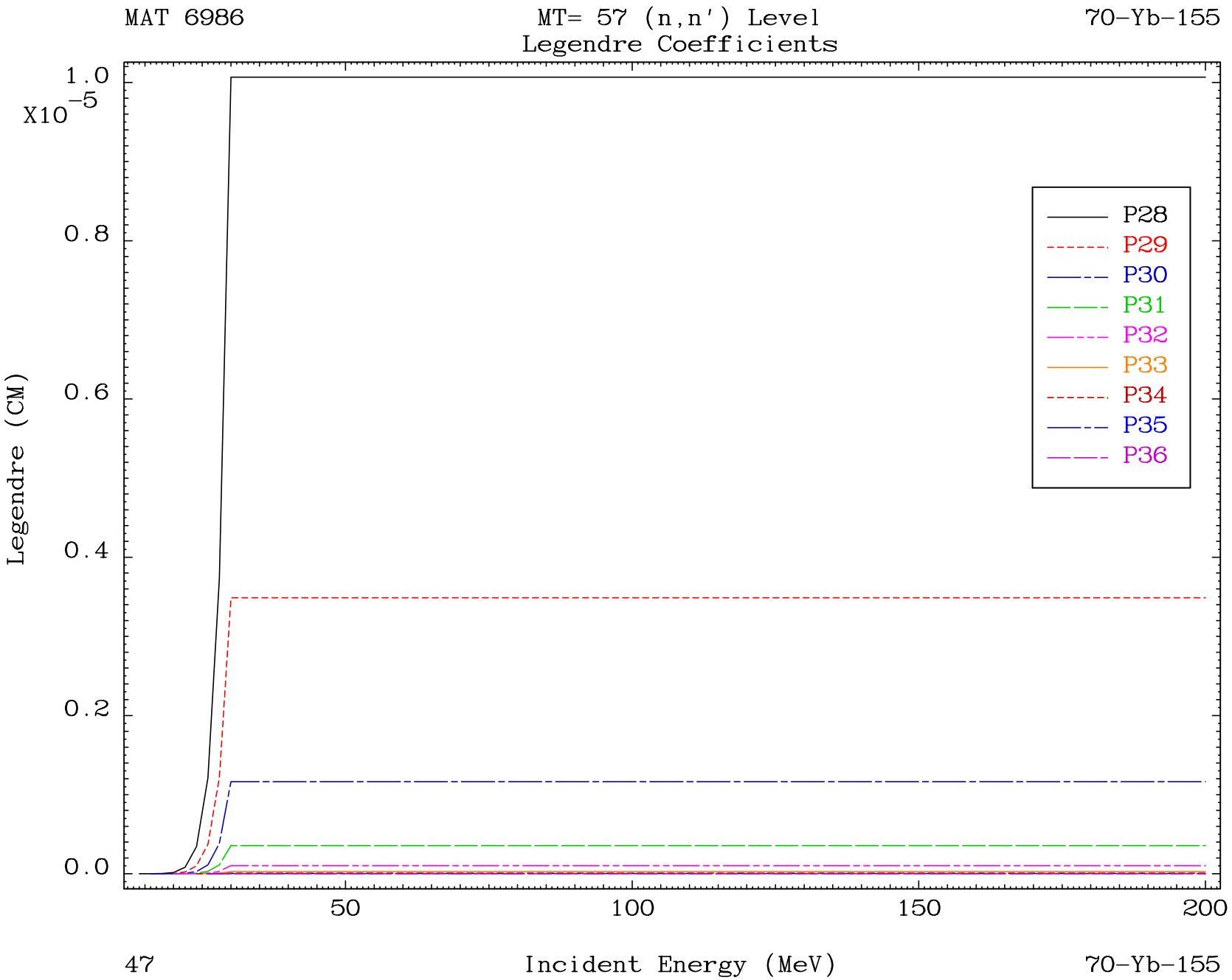

MAT 6986
MT= 56 (n,n') Level
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
42
Incident Energy (MeV)
70-Yb-155

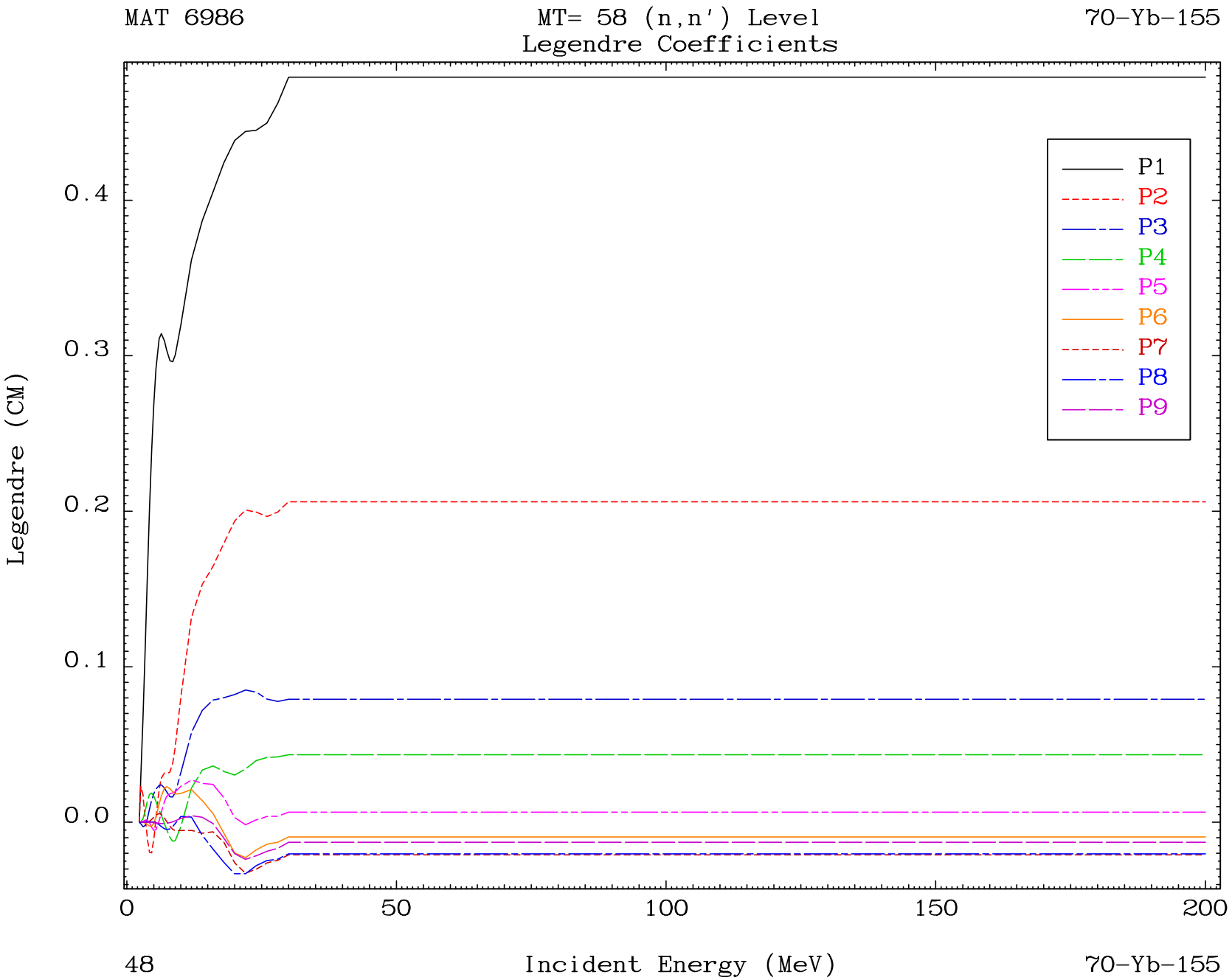

MAT 6986
MT= 56 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10^-5
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
43
Incident Energy (MeV)
70-Yb-155

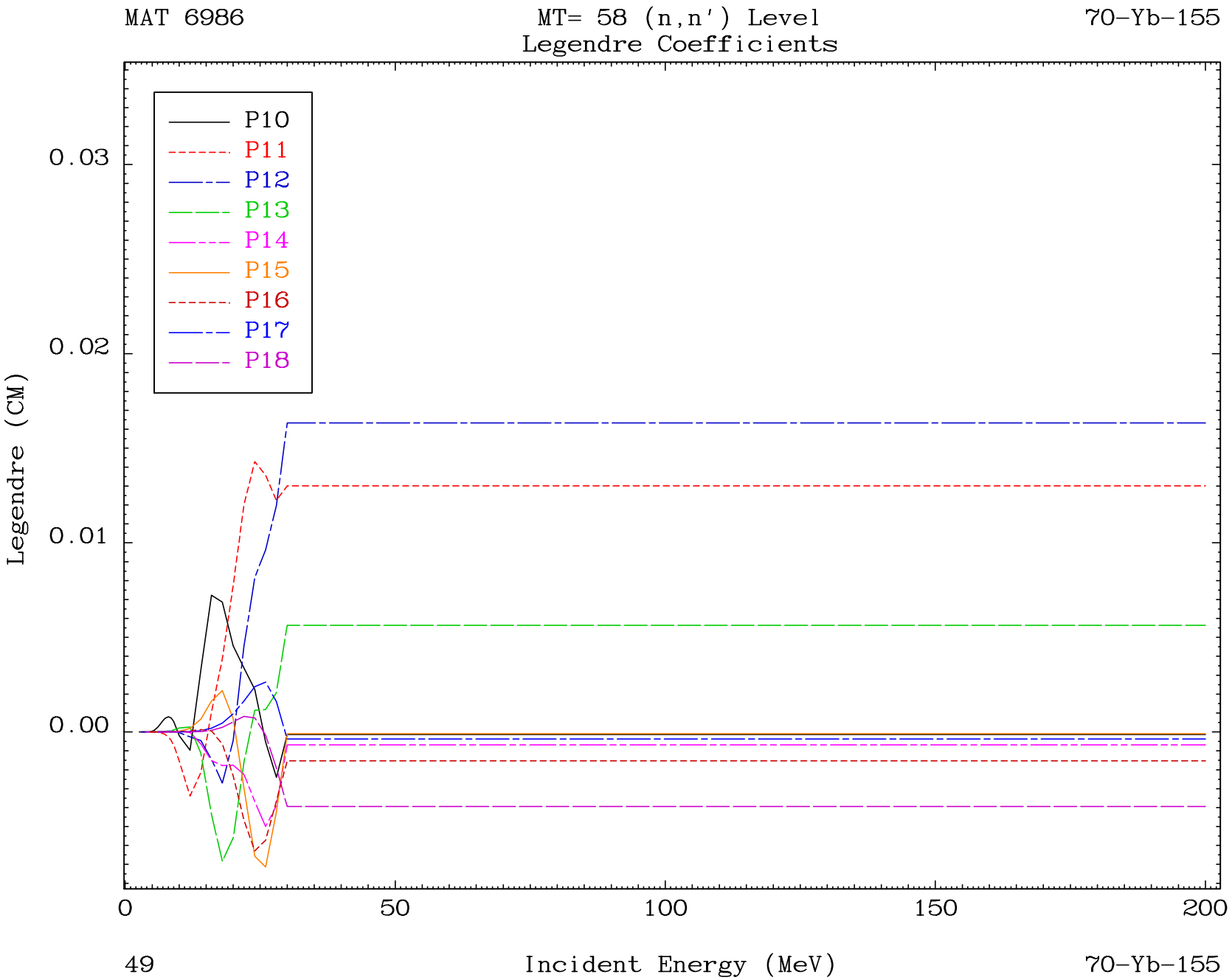

MAT 6986
MT= 57 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
44
Incident Energy (MeV)
70-Yb-155

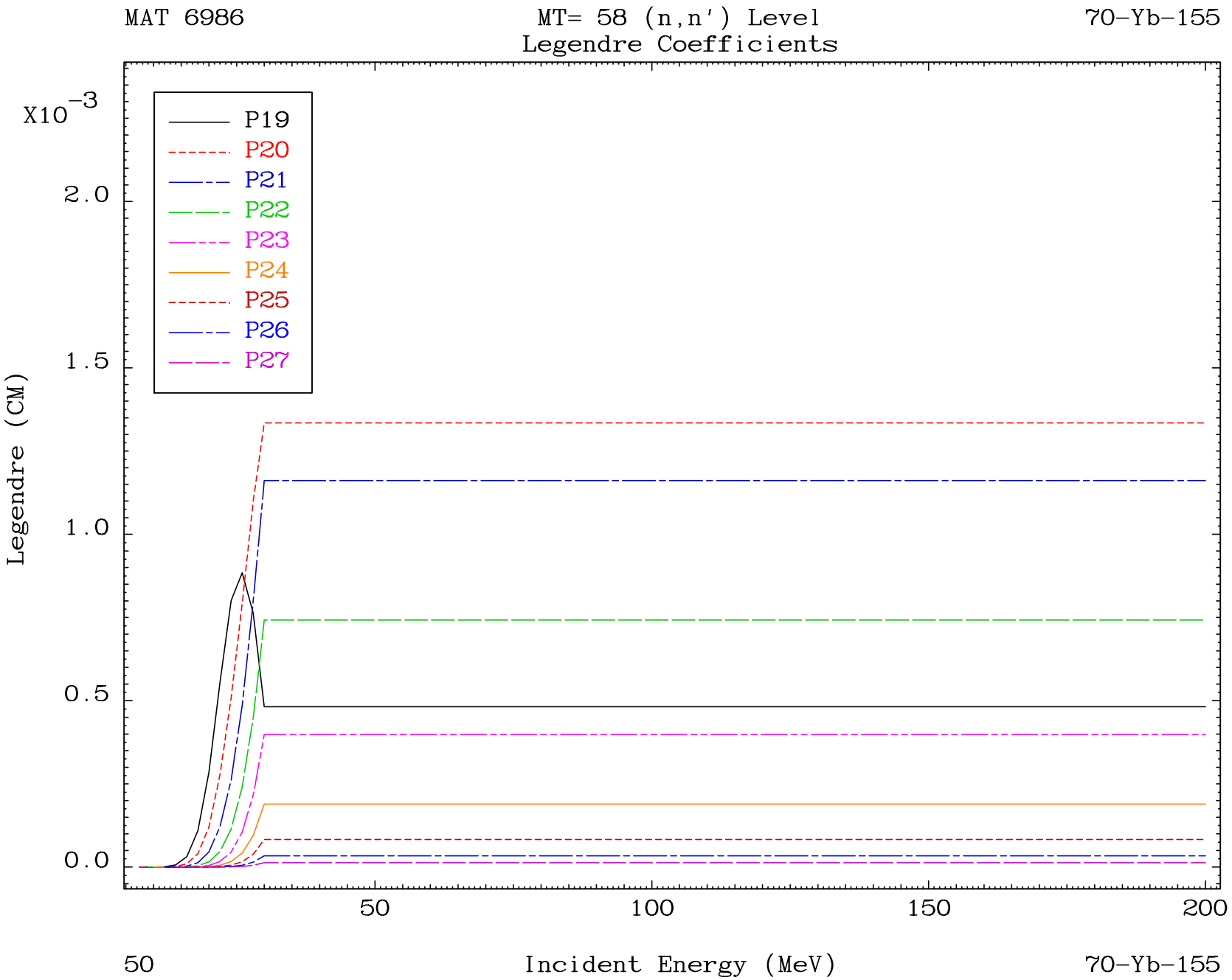

MAT 6986
MT= 57 (n,n') Level
Legendre Coefficients
70-Yb-155
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
45
Incident Energy (MeV)
70-Yb-155

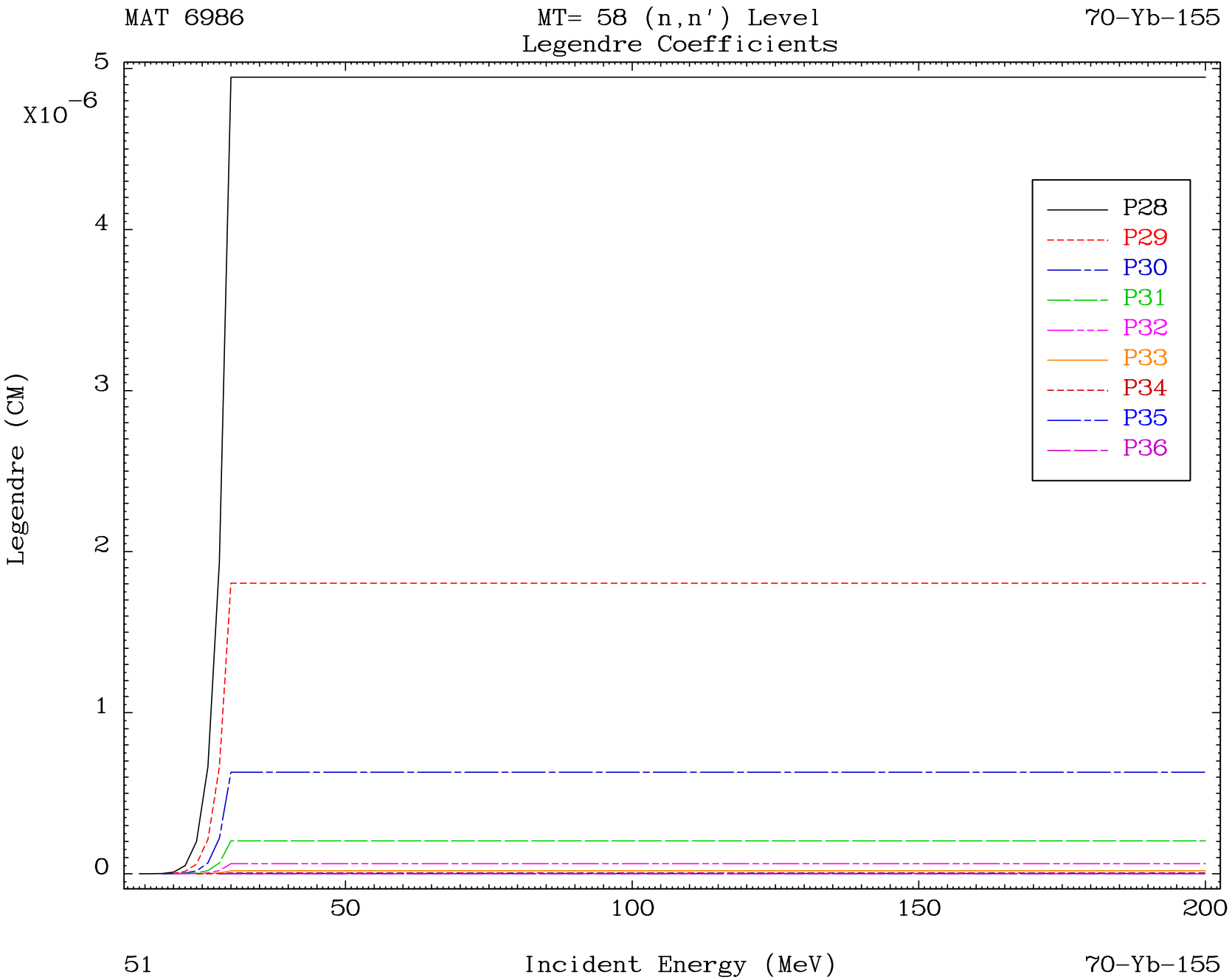

MAT 6986
MT= 57 (n,n') Level
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
46
Incident Energy (MeV)
70-Yb-155

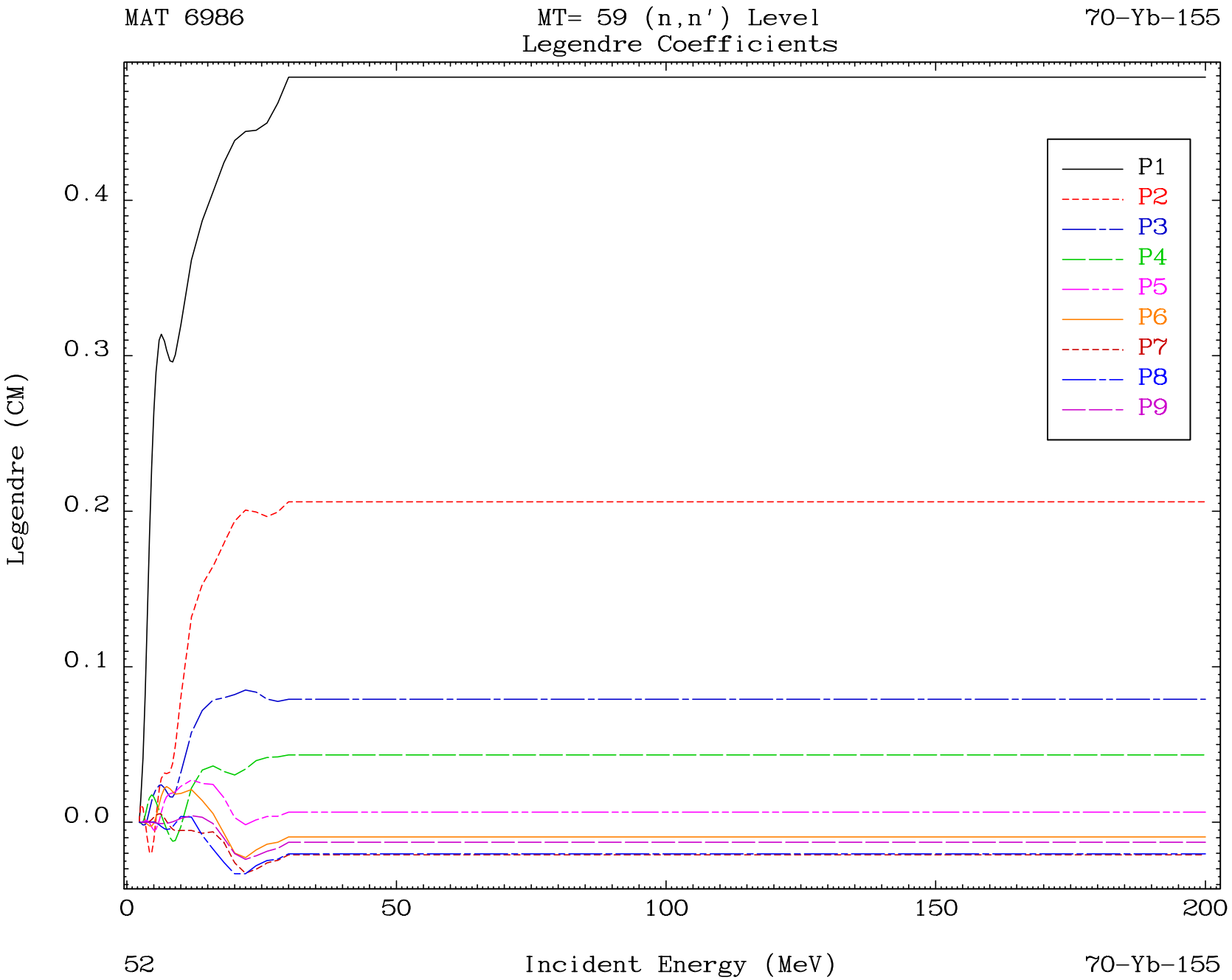

MAT 6986
MT= 57 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10^-5
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
47
Incident Energy (MeV)
70-Yb-155

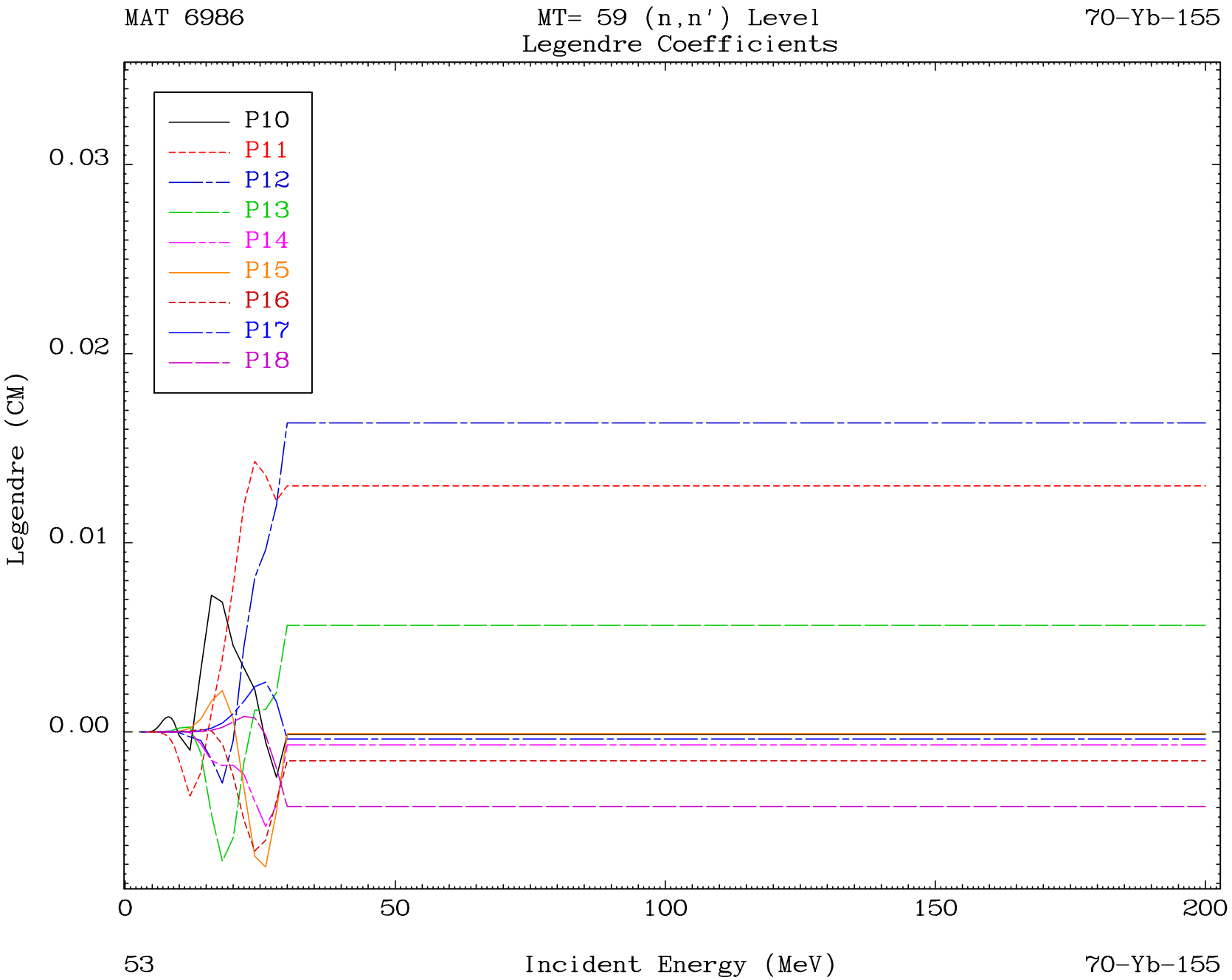

MAT 6986
MT= 58 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
48
Incident Energy (MeV)
70-Yb-155

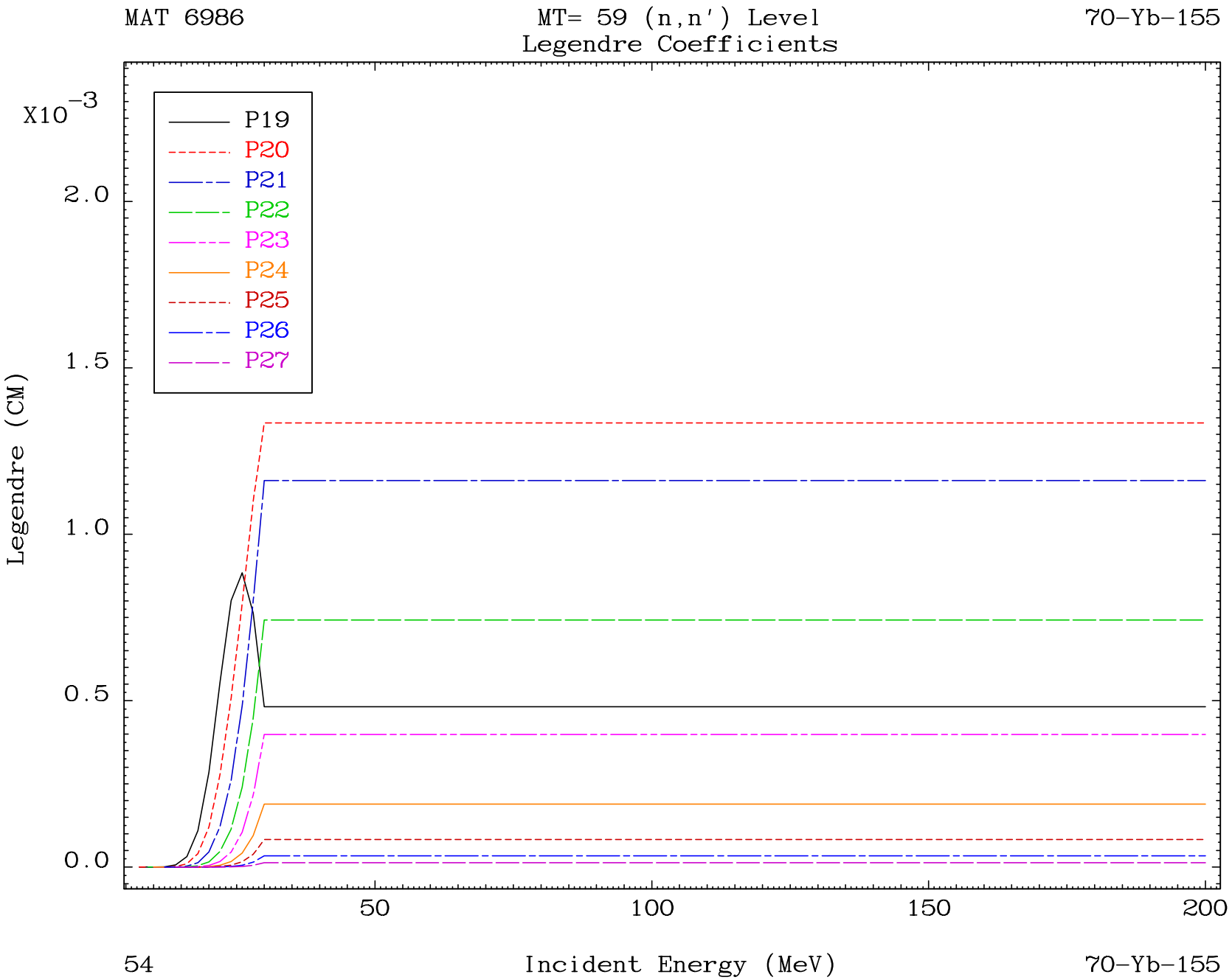

MAT 6986
MT= 58 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
70-Yb-155

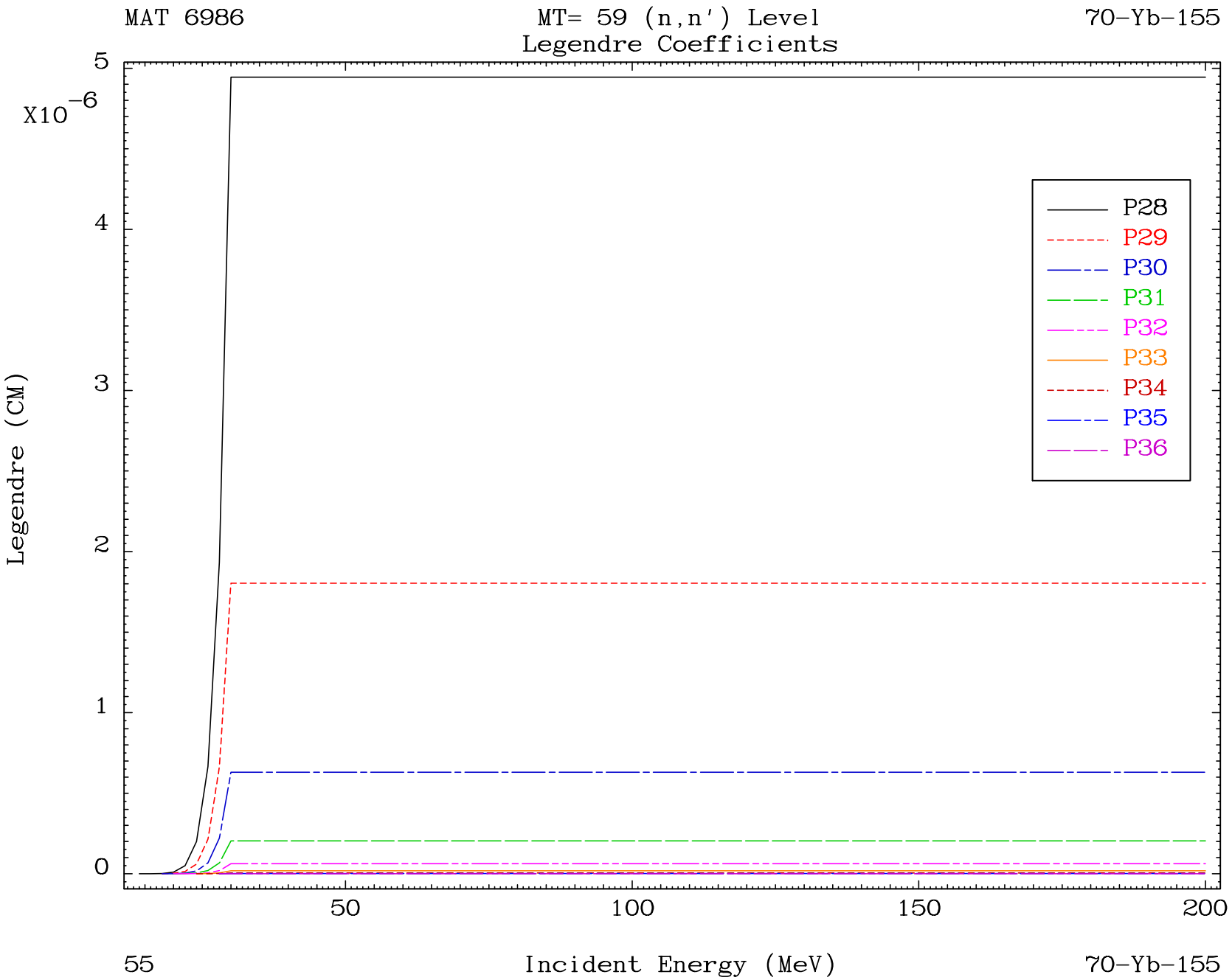

MAT 6986
MT= 58 (n,n') Level
Legendre Coefficients
70-Yb-155
X10-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
50
Incident Energy (MeV)
70-Yb-155

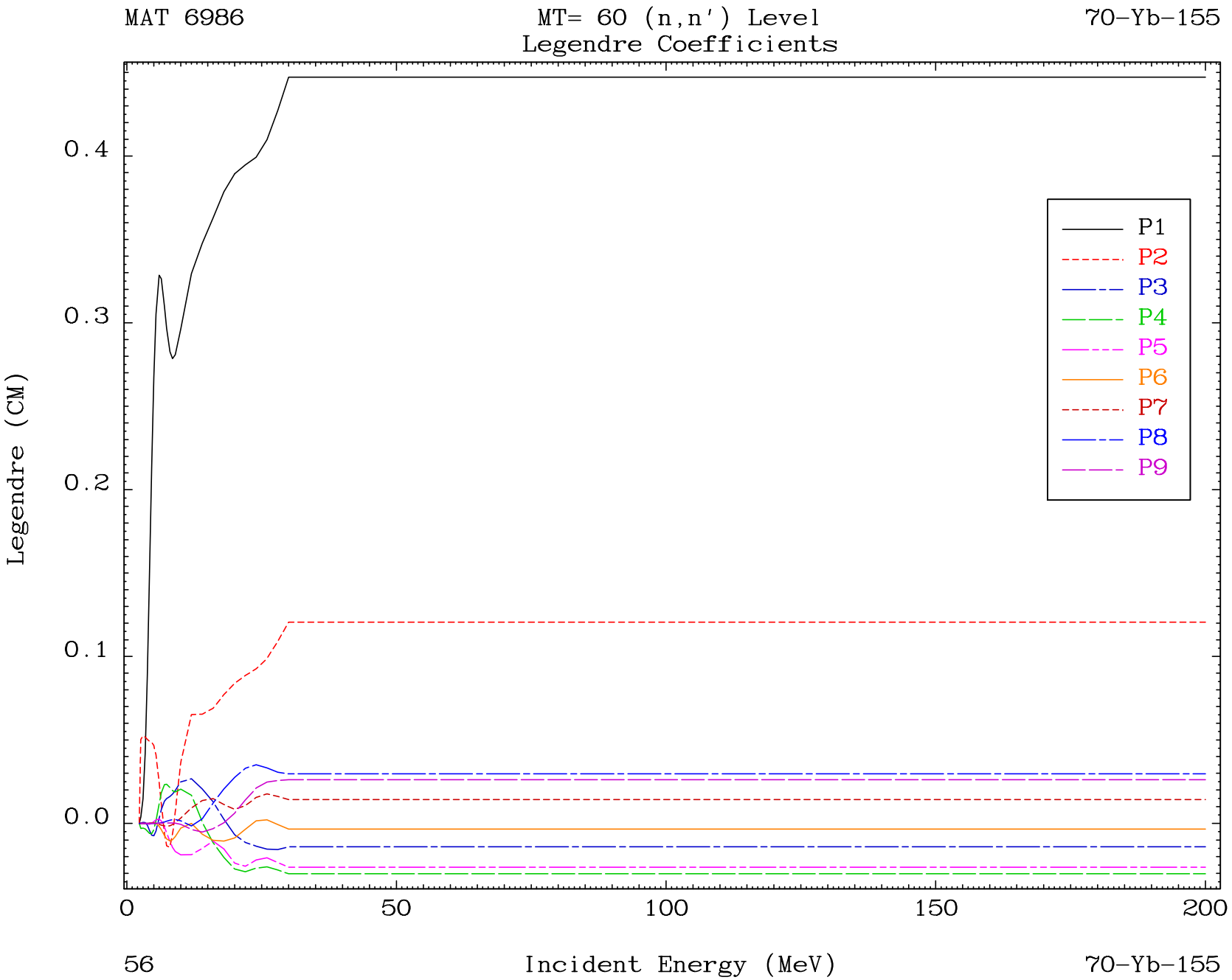

MAT 6986
MT= 58 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
51
Incident Energy (MeV)
70-Yb-155
P28
P29
P30
P31
P32
P33
P34
P35
P36

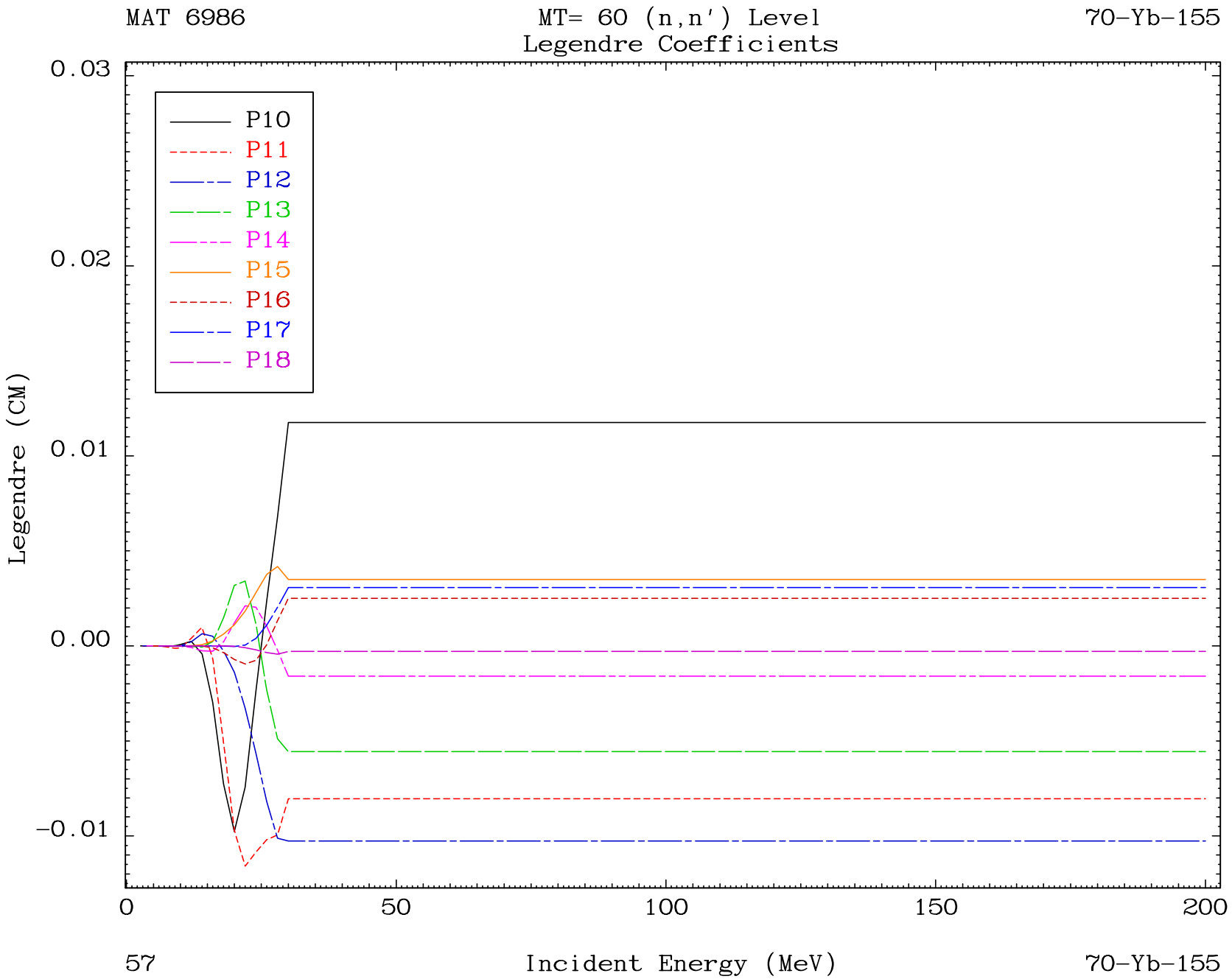

MAT 6986
MT= 59 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
52
Incident Energy (MeV)
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9

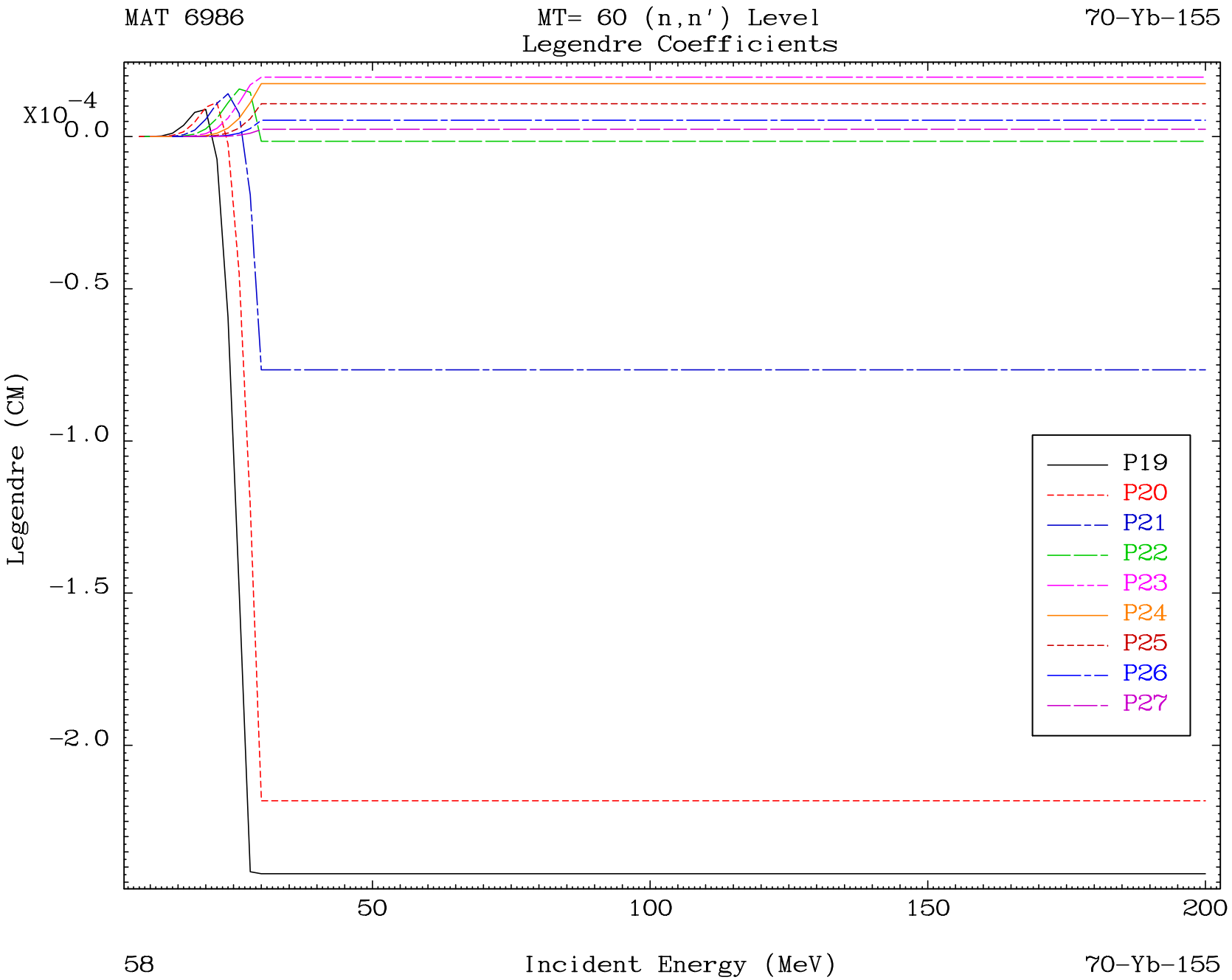

MAT 6986
MT= 59 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
53
Incident Energy (MeV)
70-Yb-155

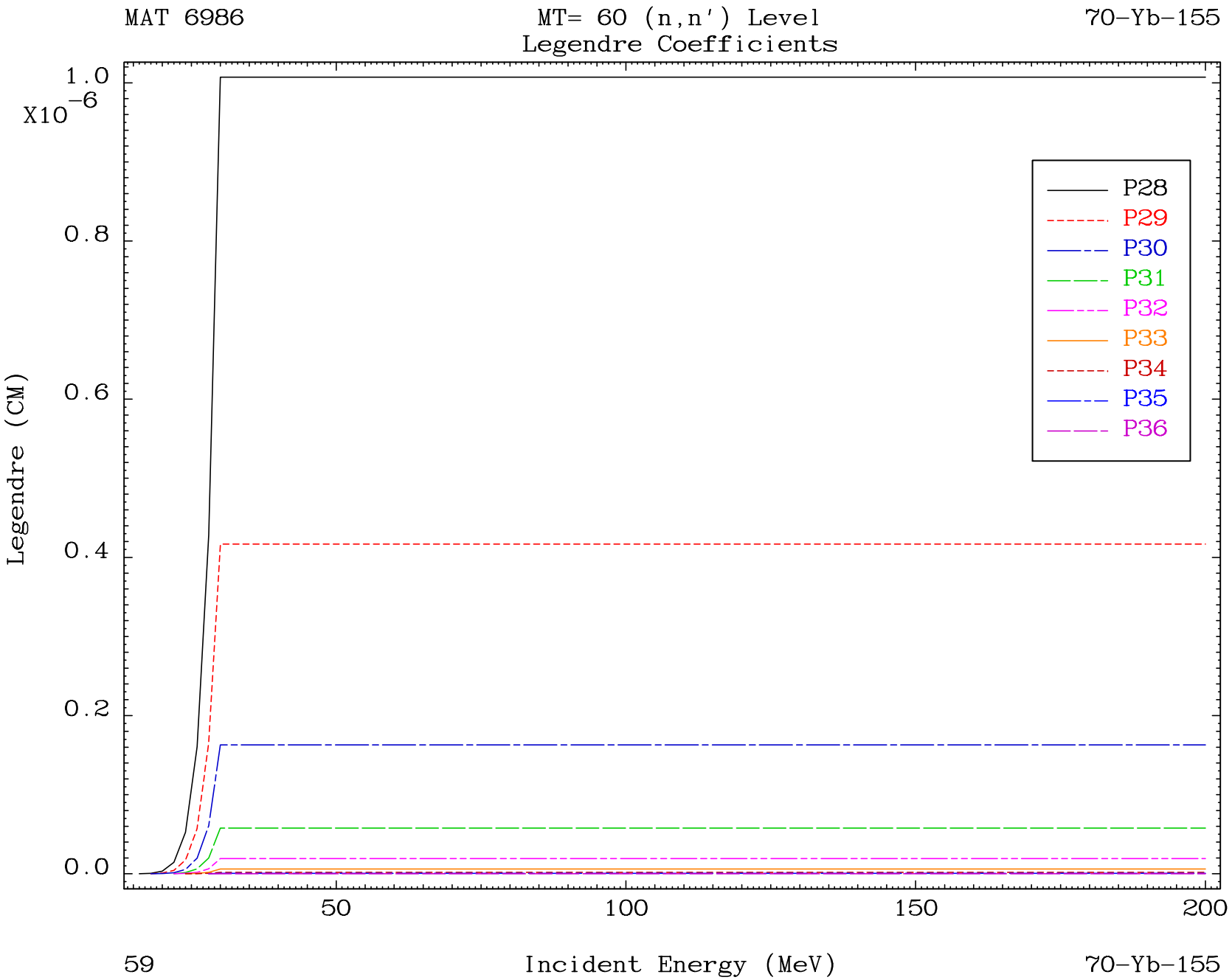

MAT 6986
MT= 59 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-3
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
54
Incident Energy (MeV)
70-Yb-155

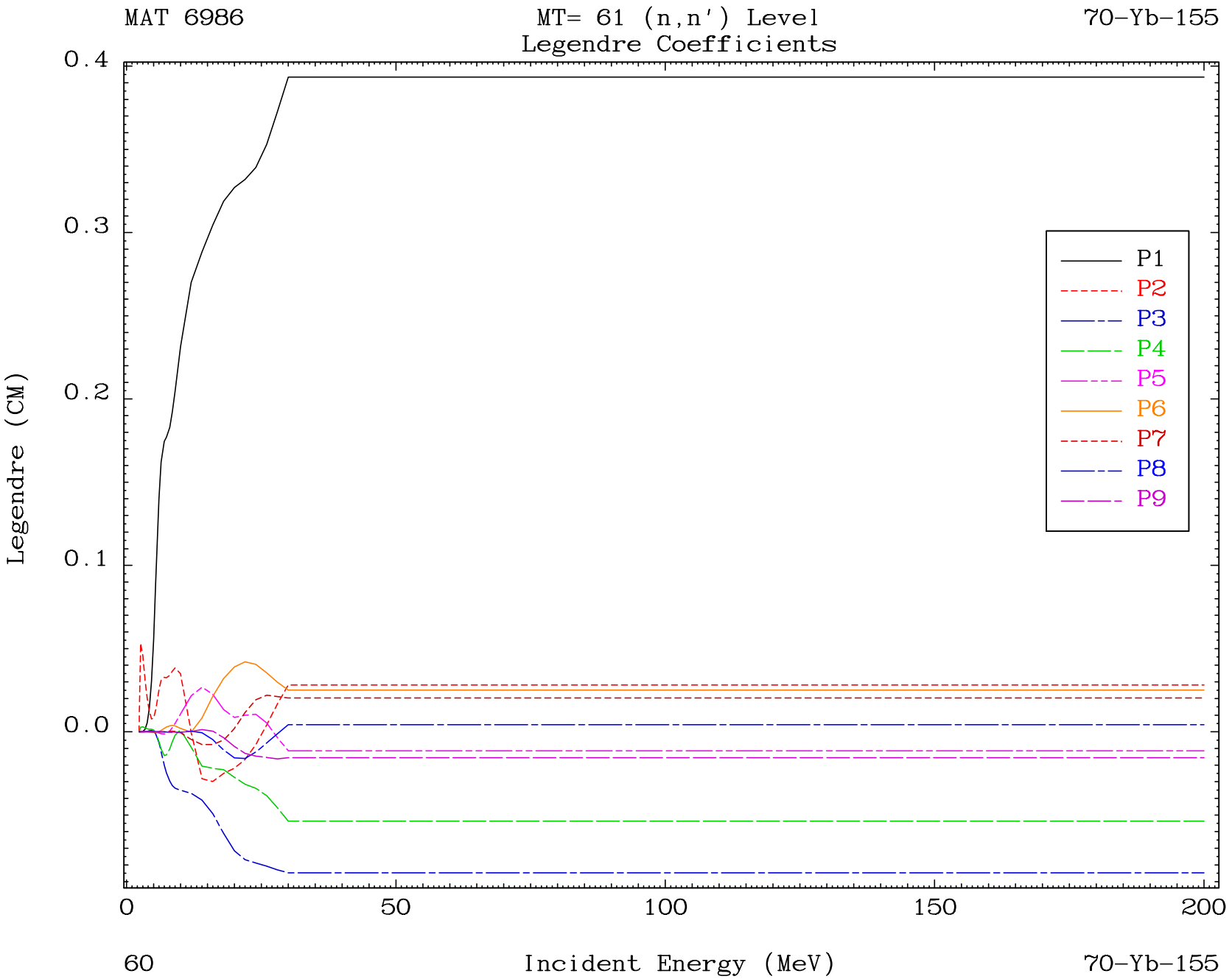

MAT 6986
MT= 59 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-6
5
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
55
Incident Energy (MeV)
70-Yb-155

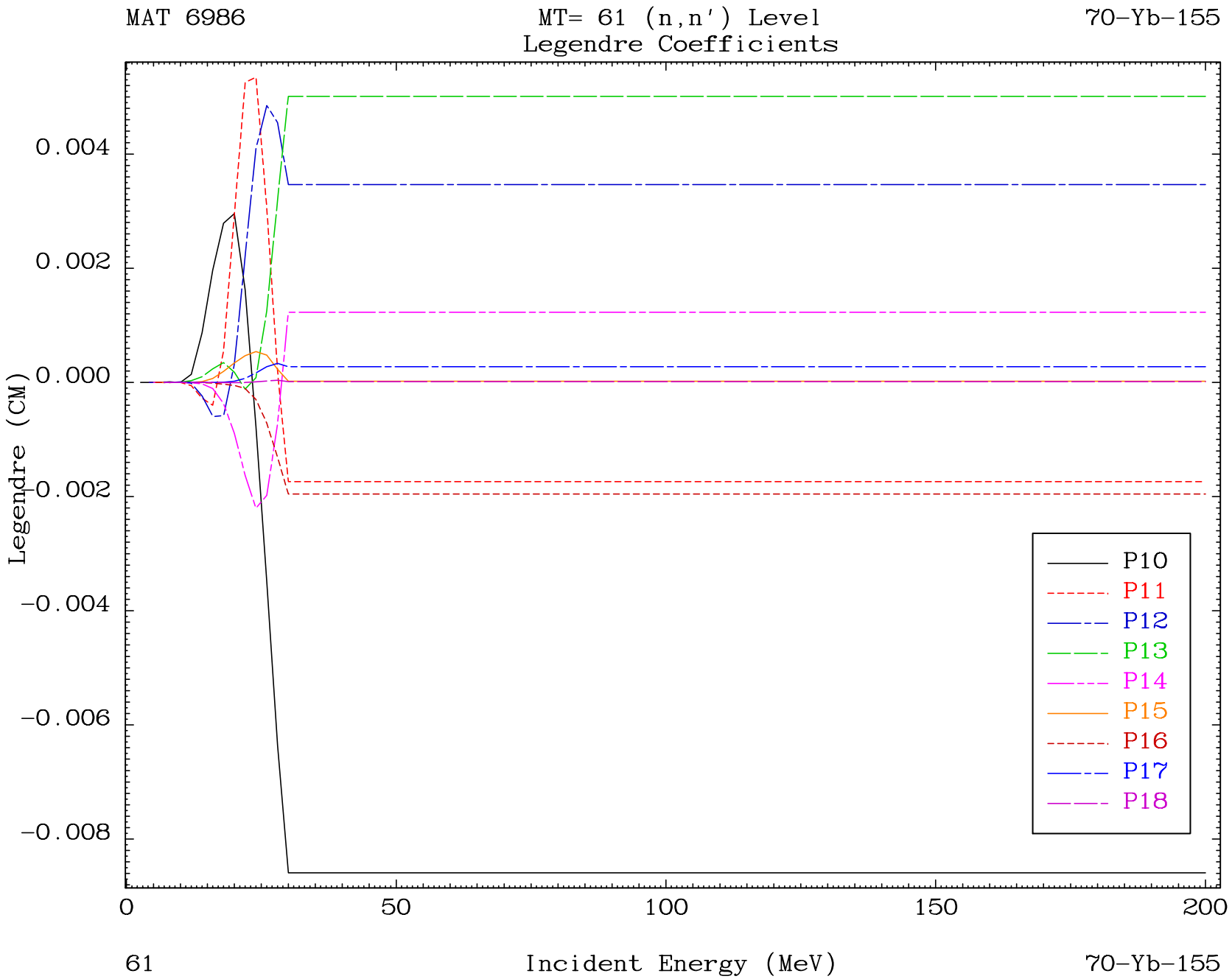

MAT 6986
MT= 60 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
56
Incident Energy (MeV)
70-Yb-155

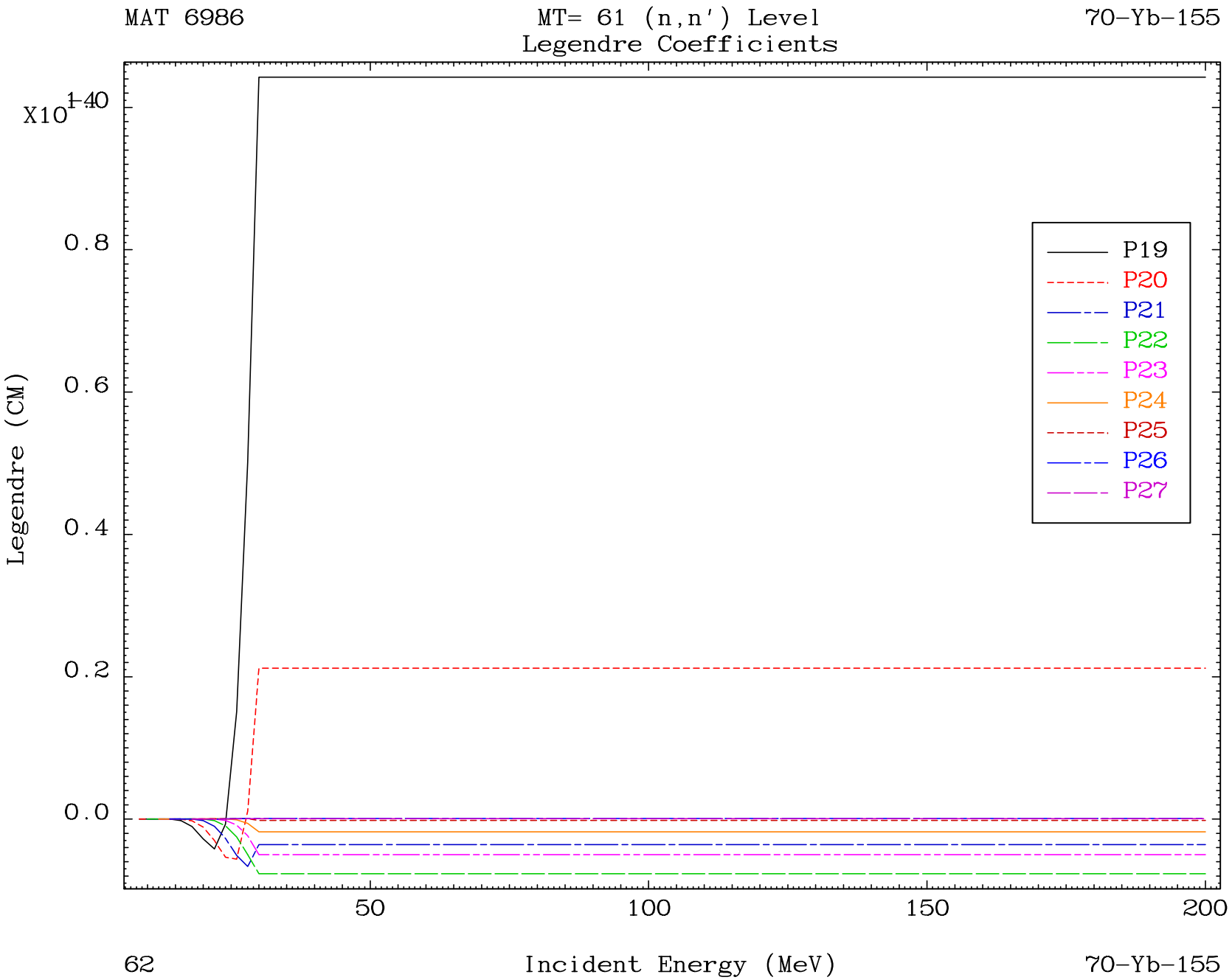

MAT 6986
MT= 60 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
57
Incident Energy (MeV)
70-Yb-155

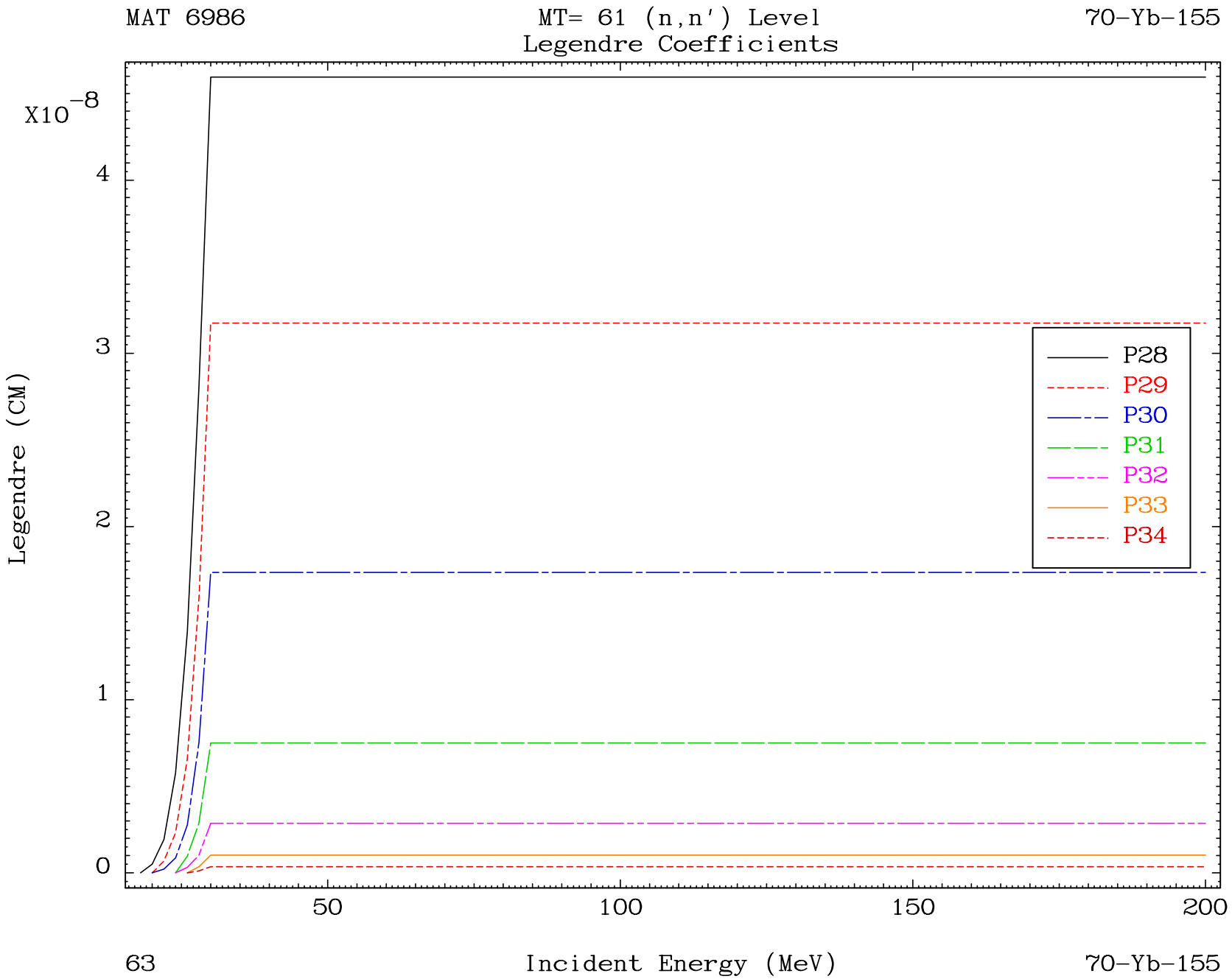

MAT 6986
MT= 60 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
58
Incident Energy (MeV)
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27

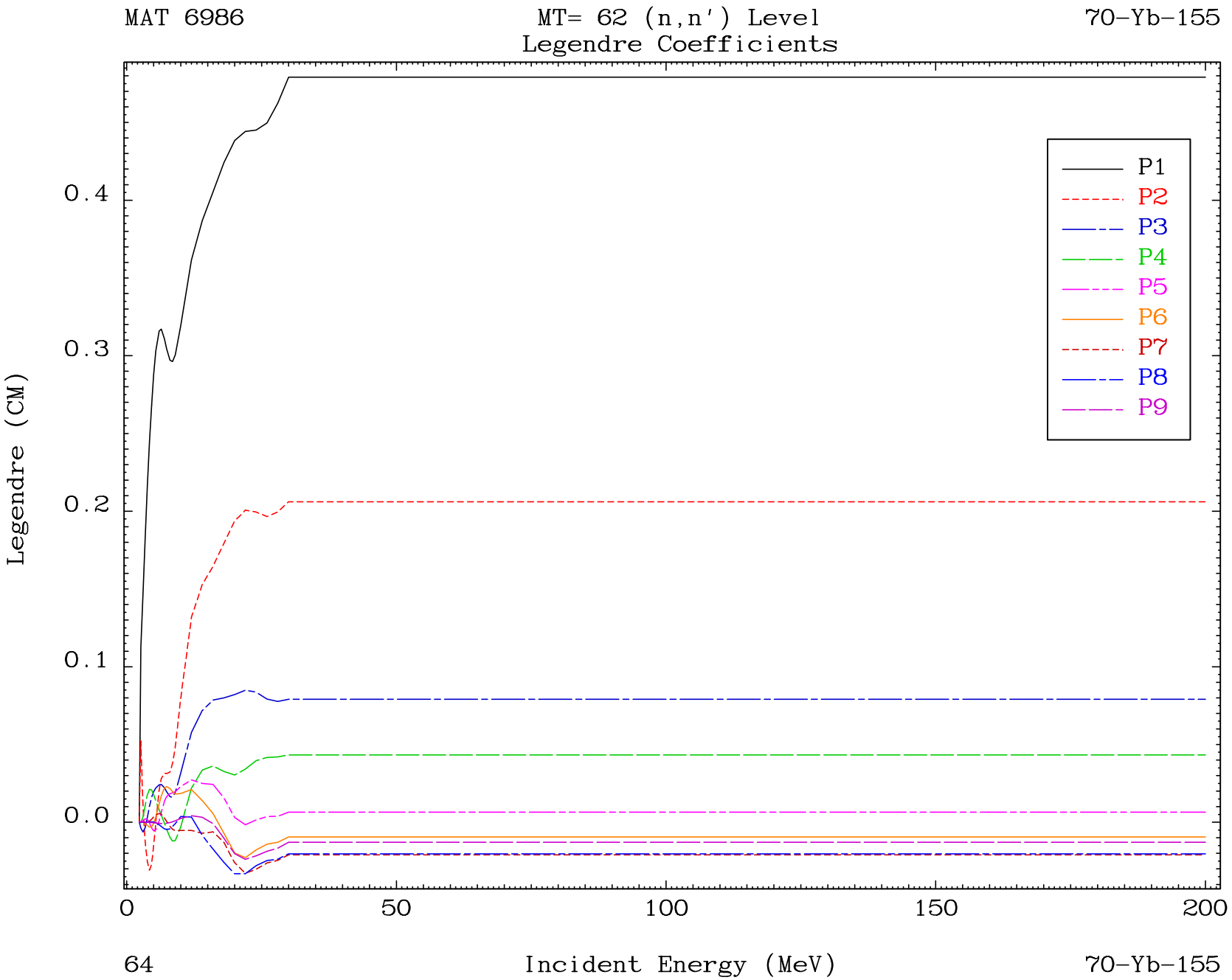

MAT 6986
MT= 60 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10-6
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
59
Incident Energy (MeV)
70-Yb-155

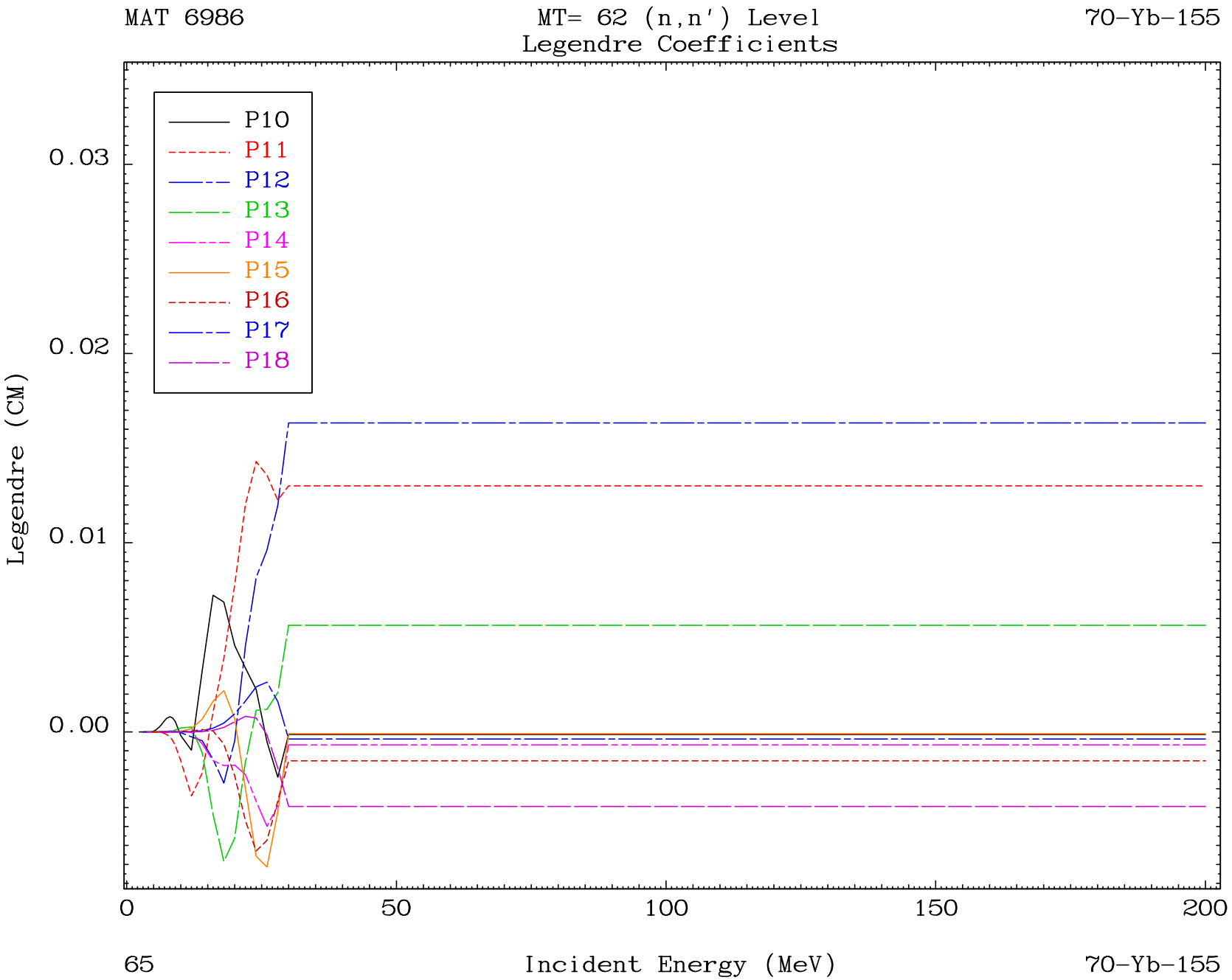

MAT 6986
MT= 61 (n,n') Level
Legendre Coefficients
70-Yb-155
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
60
Incident Energy (MeV)
70-Yb-155

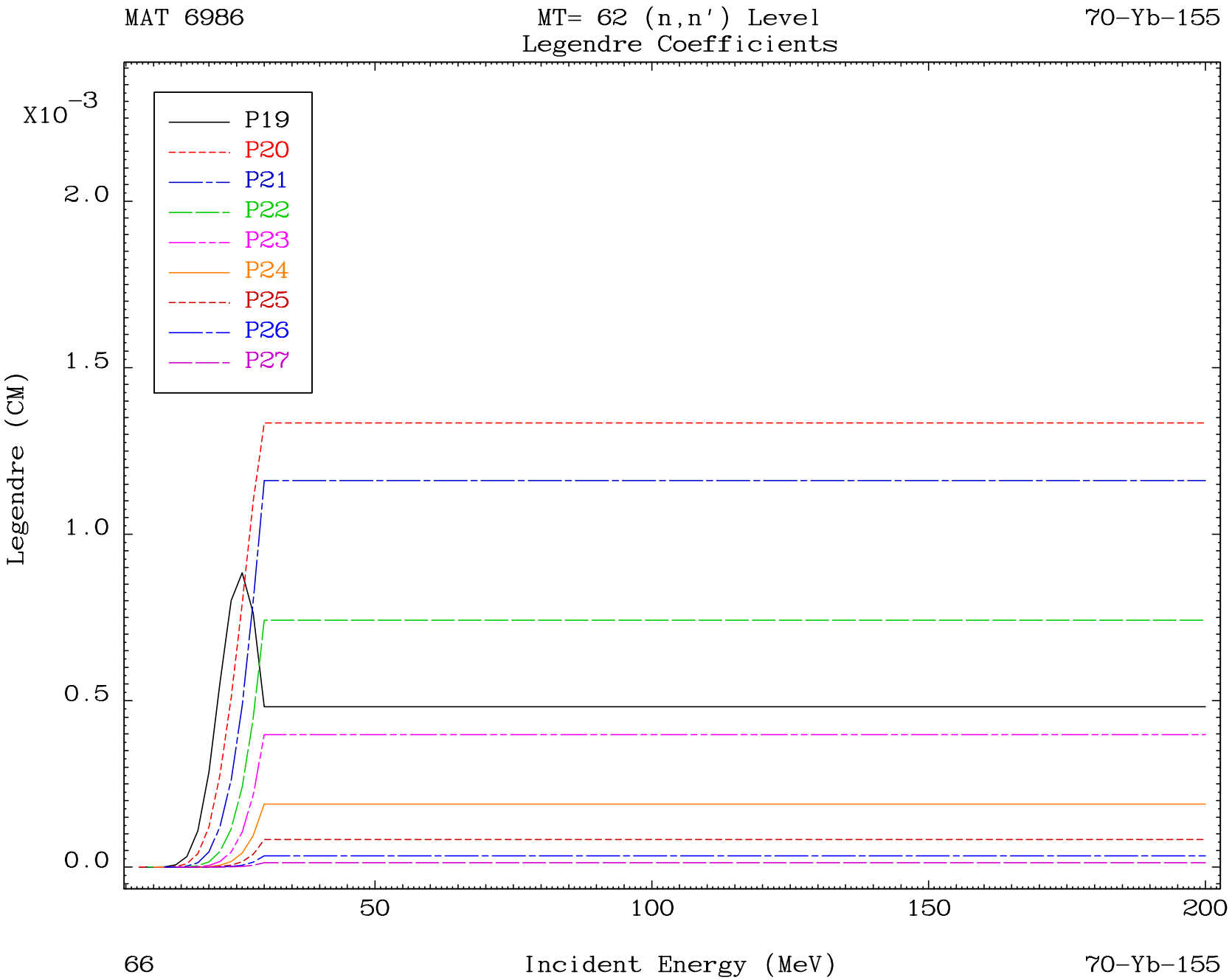

MAT 6986
MT= 61 (n,n') Level
Legendre Coefficients
70-Yb-155
0.004
0.002
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
0
50
100
150
200
61
Incident Energy (MeV)
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18

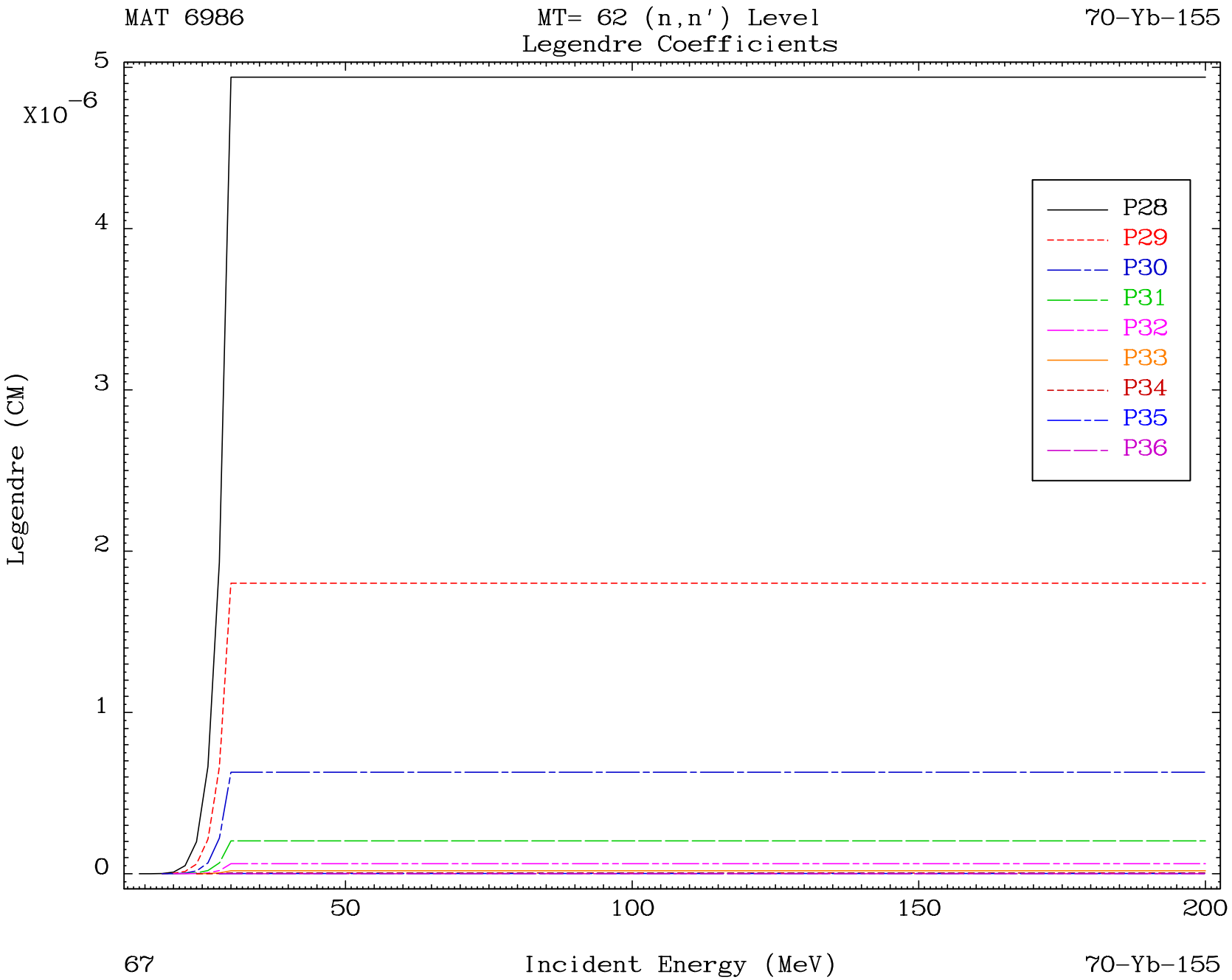

MAT 6986
MT= 61 (n,n') Level
Legendre Coefficients
70-Yb-155
X10+40
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
62
Incident Energy (MeV)
70-Yb-155

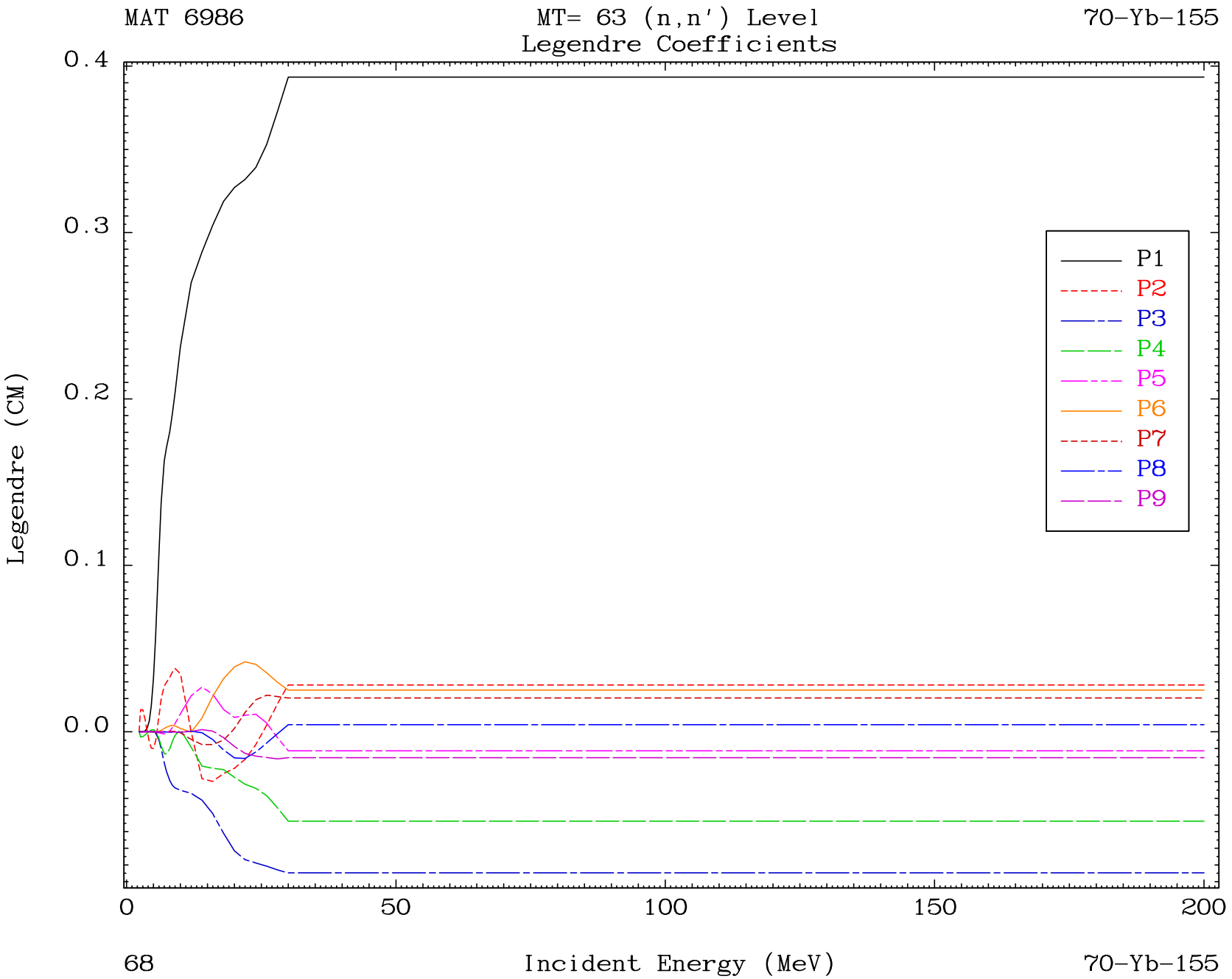

MAT 6986
MT= 61 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-8
4
3
2
1
0
Legendre (CM)
50
100
150
200
P28
P29
P30
P31
P32
P33
P34
63
Incident Energy (MeV)
70-Yb-155

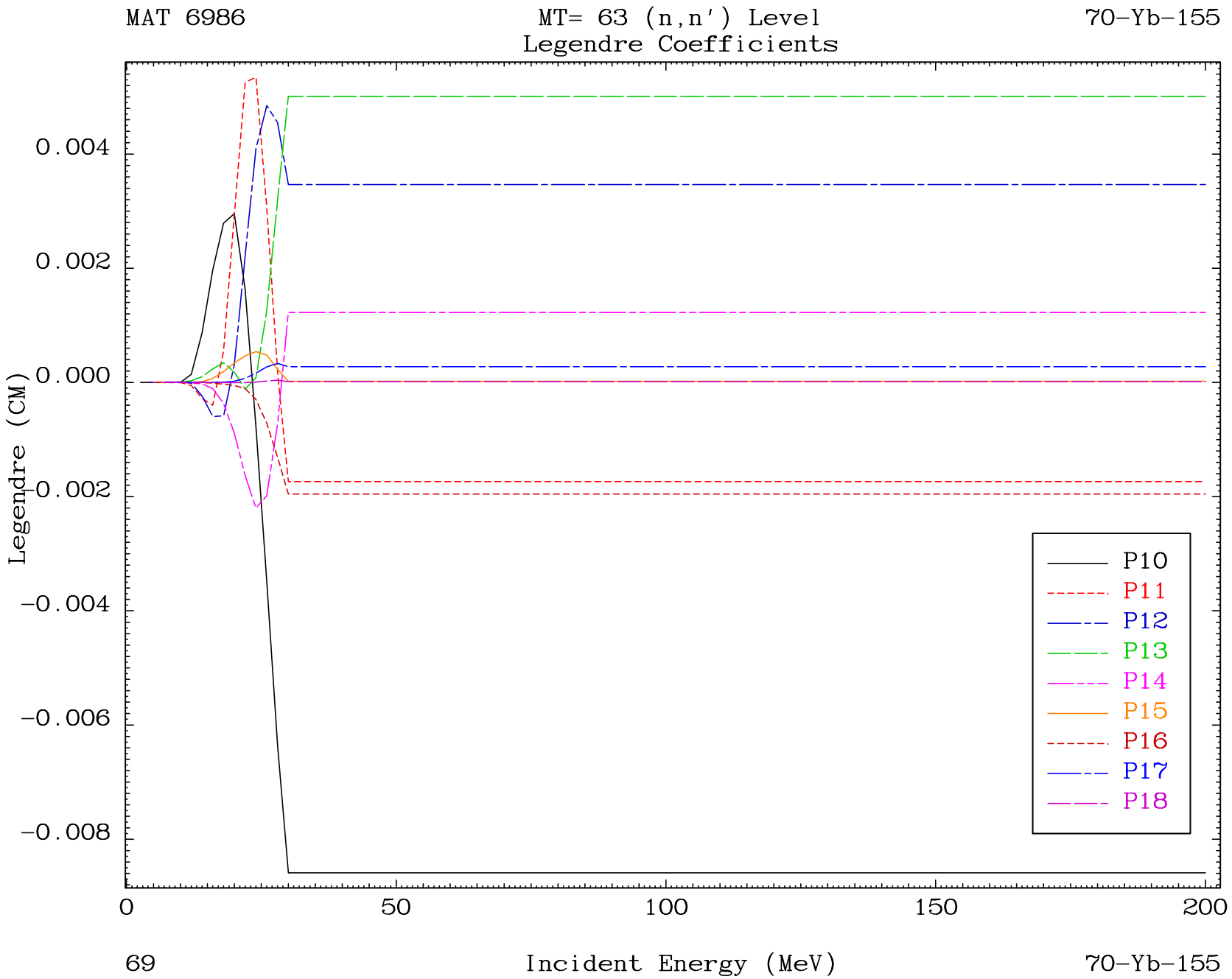

MAT 6986
MT= 62 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
64
Incident Energy (MeV)
70-Yb-155
P1
P2
P3
P4
P5
P6
P7
P8
P9

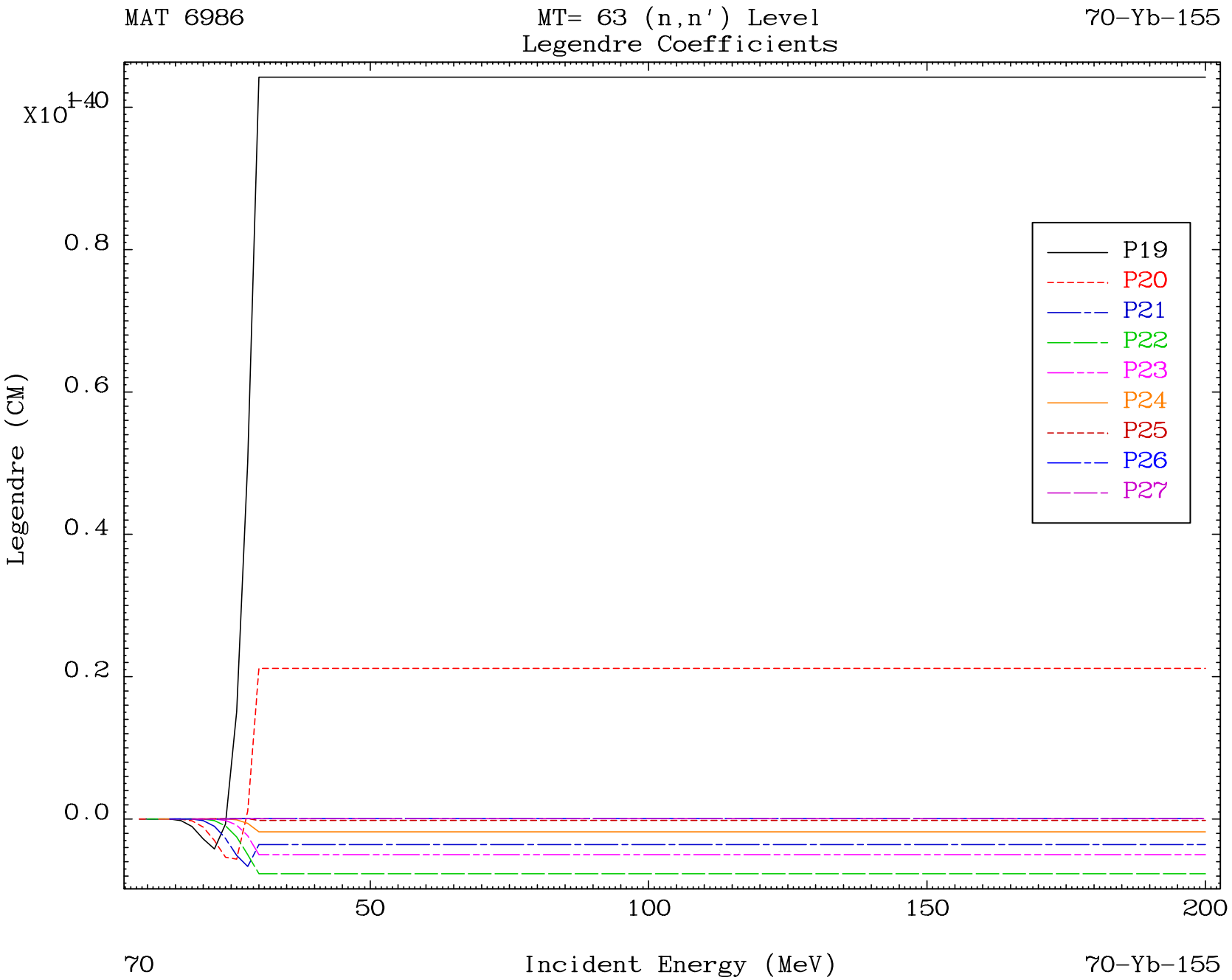

MAT 6986
MT= 62 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
65
Incident Energy (MeV)
70-Yb-155

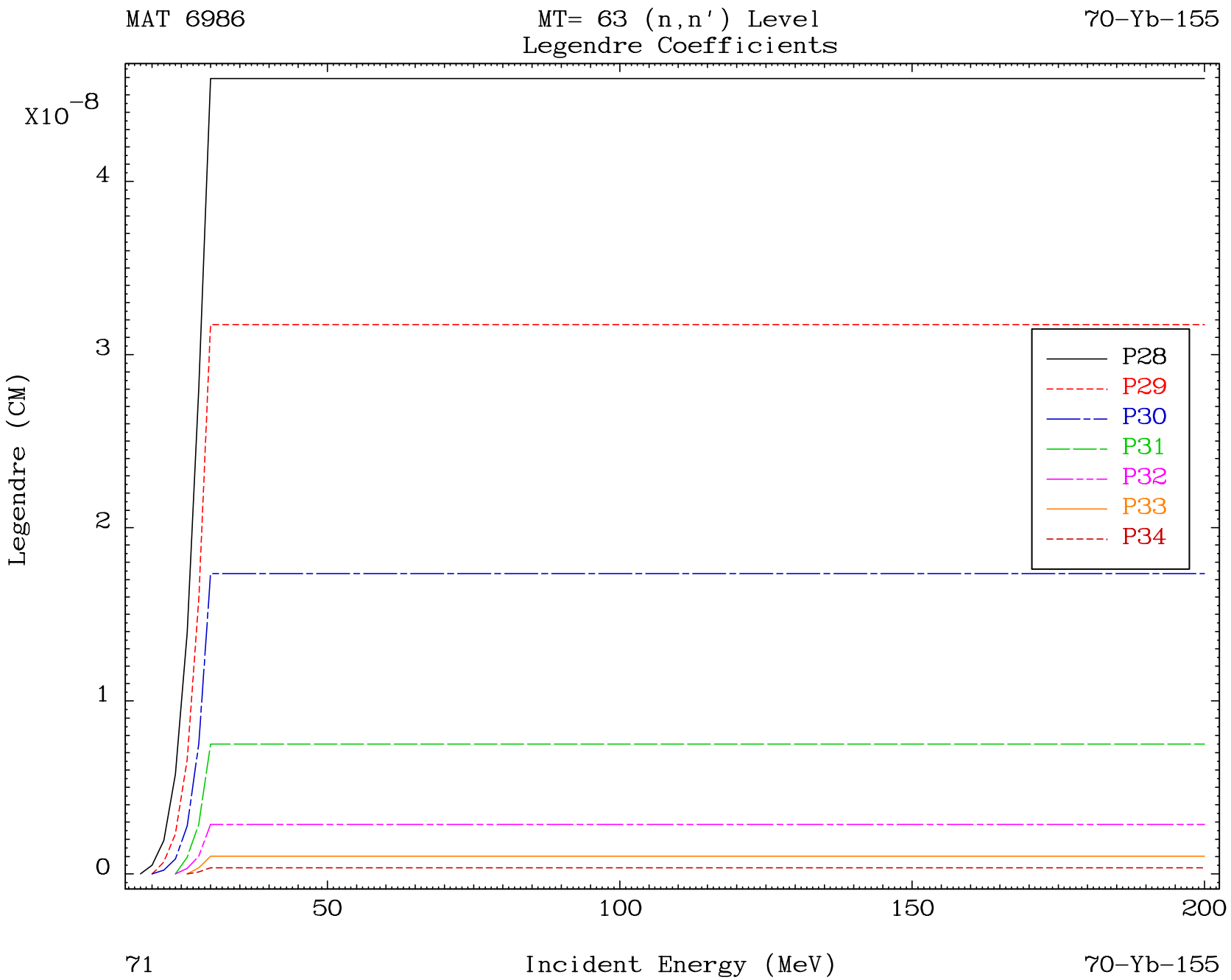

MAT 6986
MT= 62 (n,n') Level
Legendre Coefficients
70-Yb-155
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
66
Incident Energy (MeV)
70-Yb-155

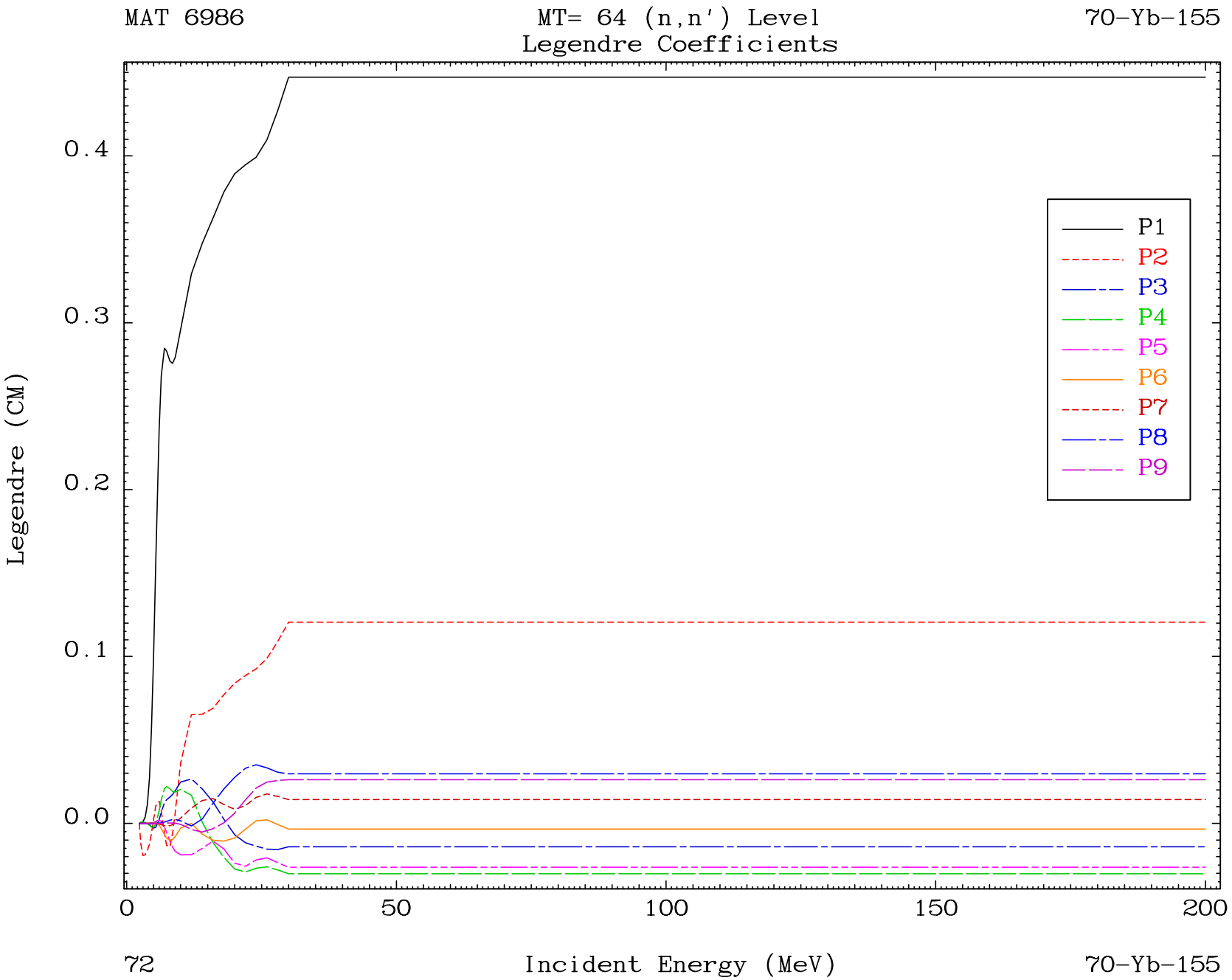

MAT 6986
MT= 62 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-6
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
70-Yb-155
P28
P29
P30
P31
P32
P33
P34
P35
P36

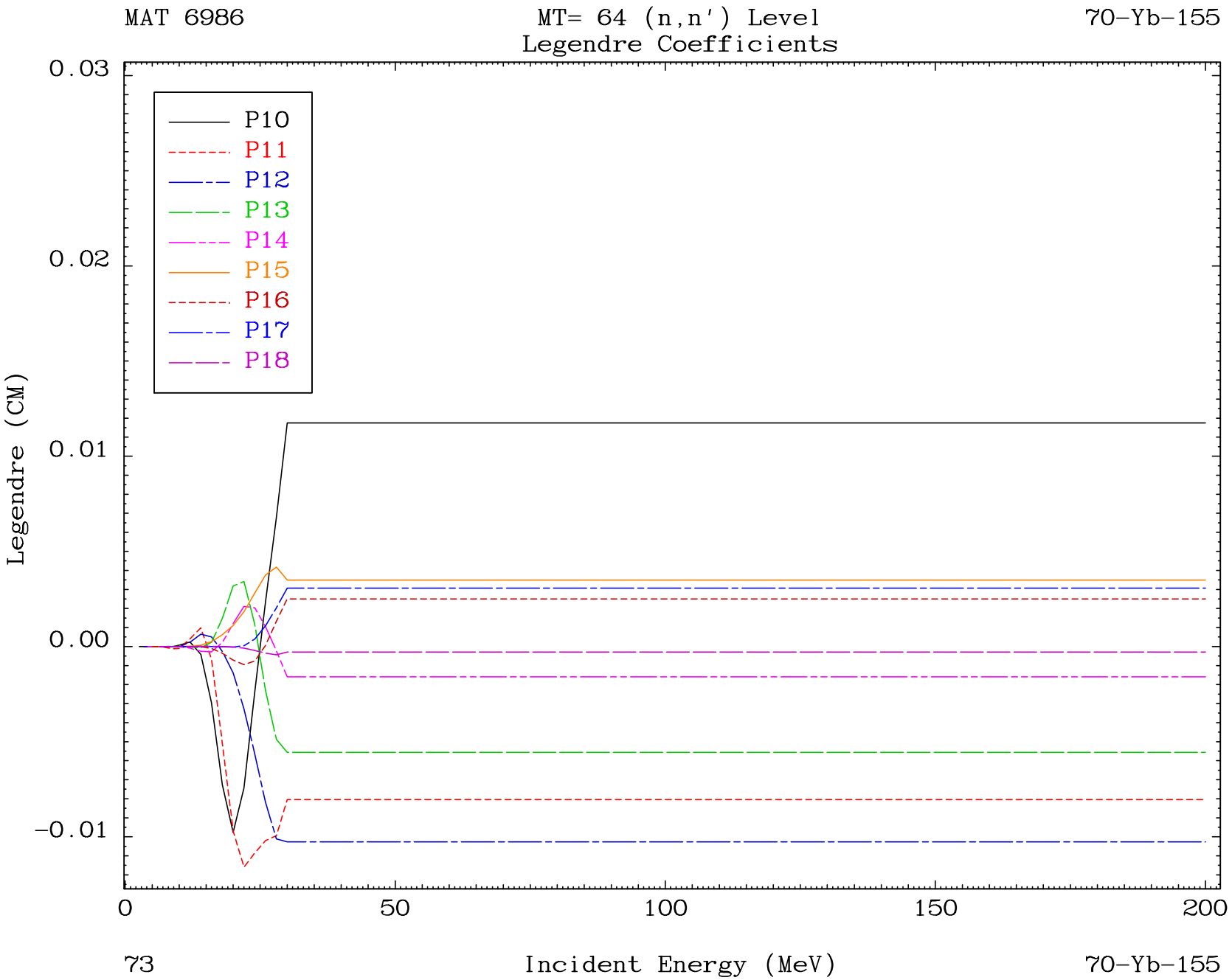

MAT 6986
MT= 63 (n,n') Level
Legendre Coefficients
70-Yb-155
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
68
Incident Energy (MeV)
70-Yb-155

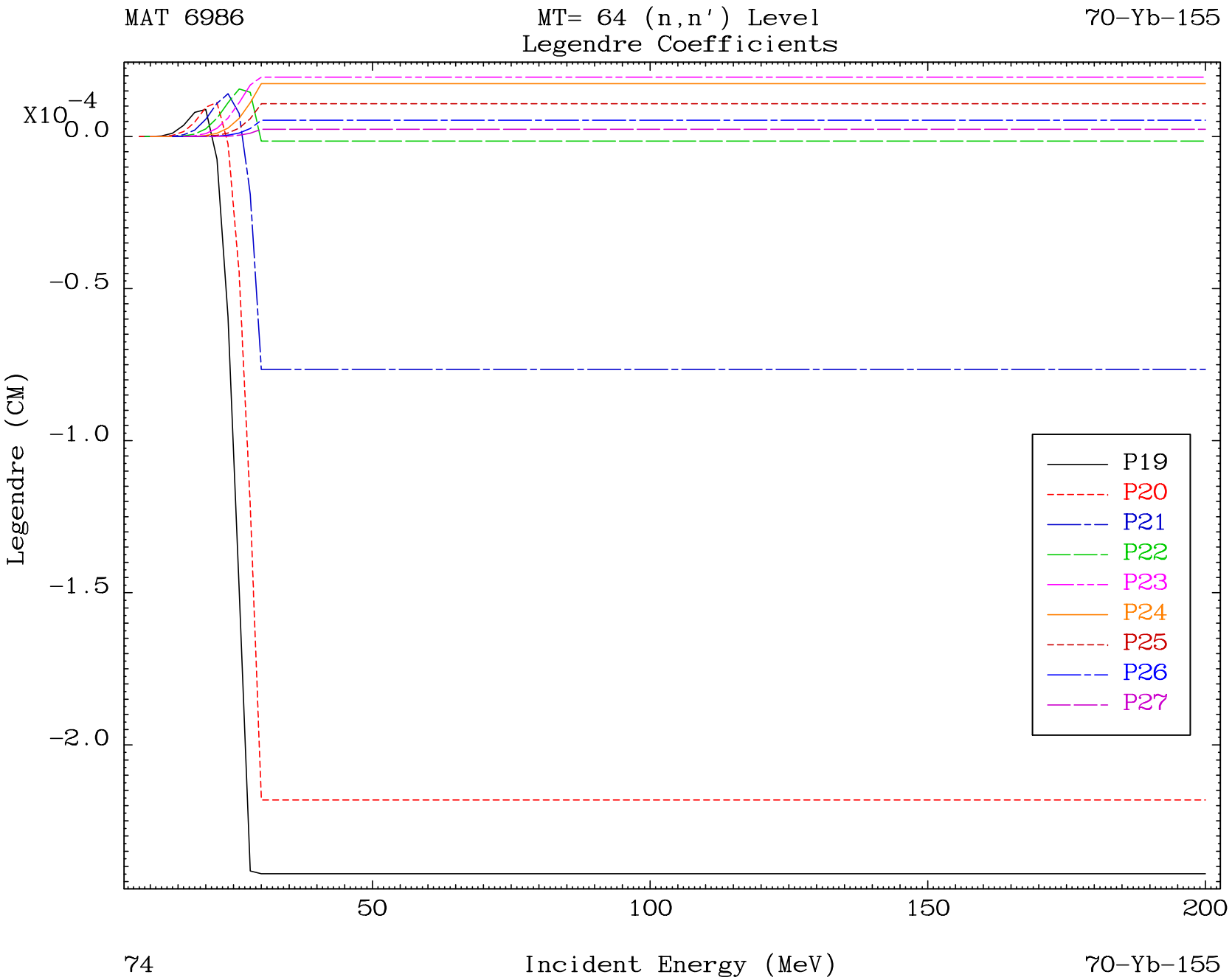

MAT 6986
MT= 63 (n,n') Level
Legendre Coefficients
70-Yb-155
0.004
0.002
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
0
50
100
150
200
69
Incident Energy (MeV)
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18

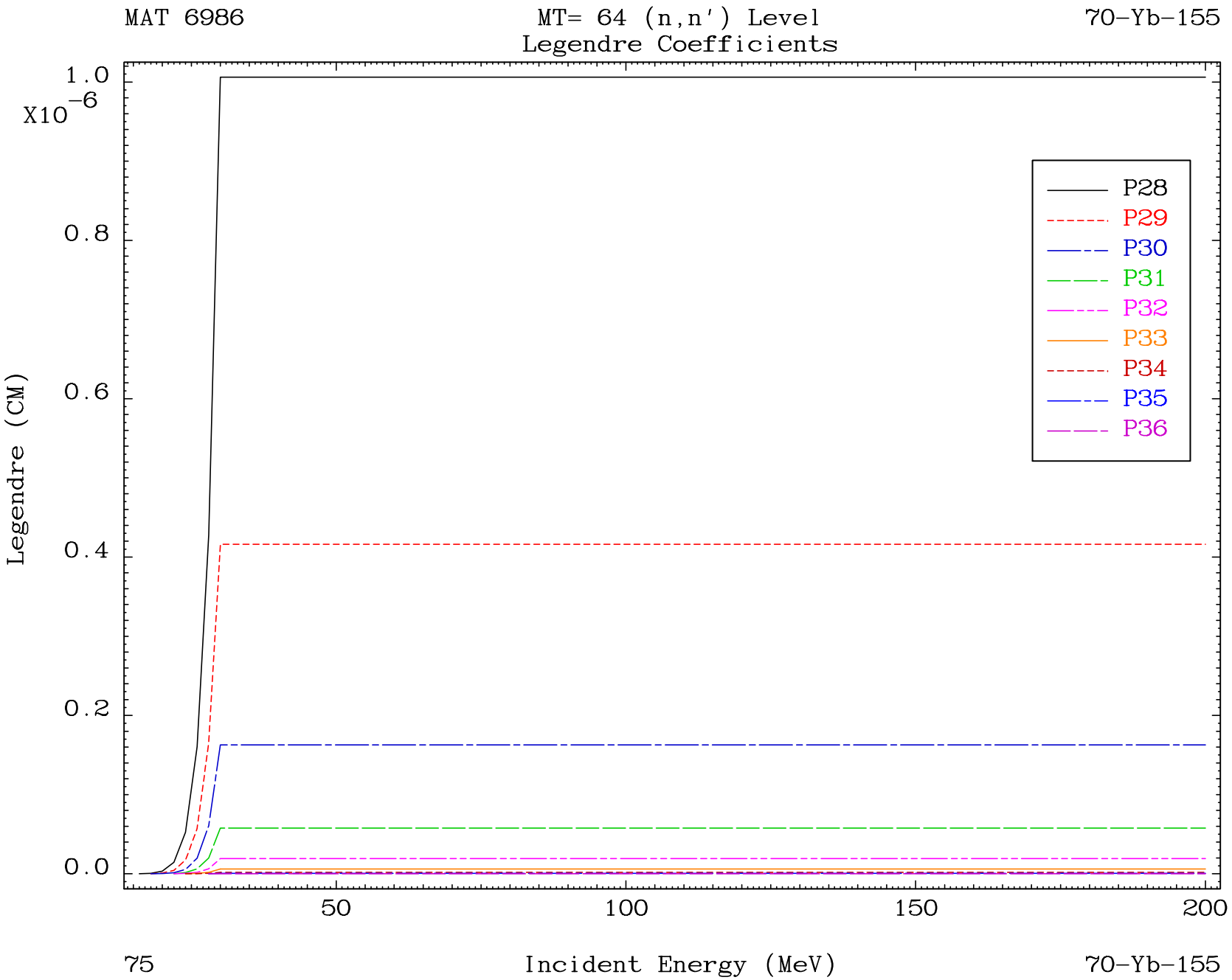

MAT 6986
MT= 63 (n,n') Level
Legendre Coefficients
70-Yb-155
X10+-40
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
70
Incident Energy (MeV)
70-Yb-155

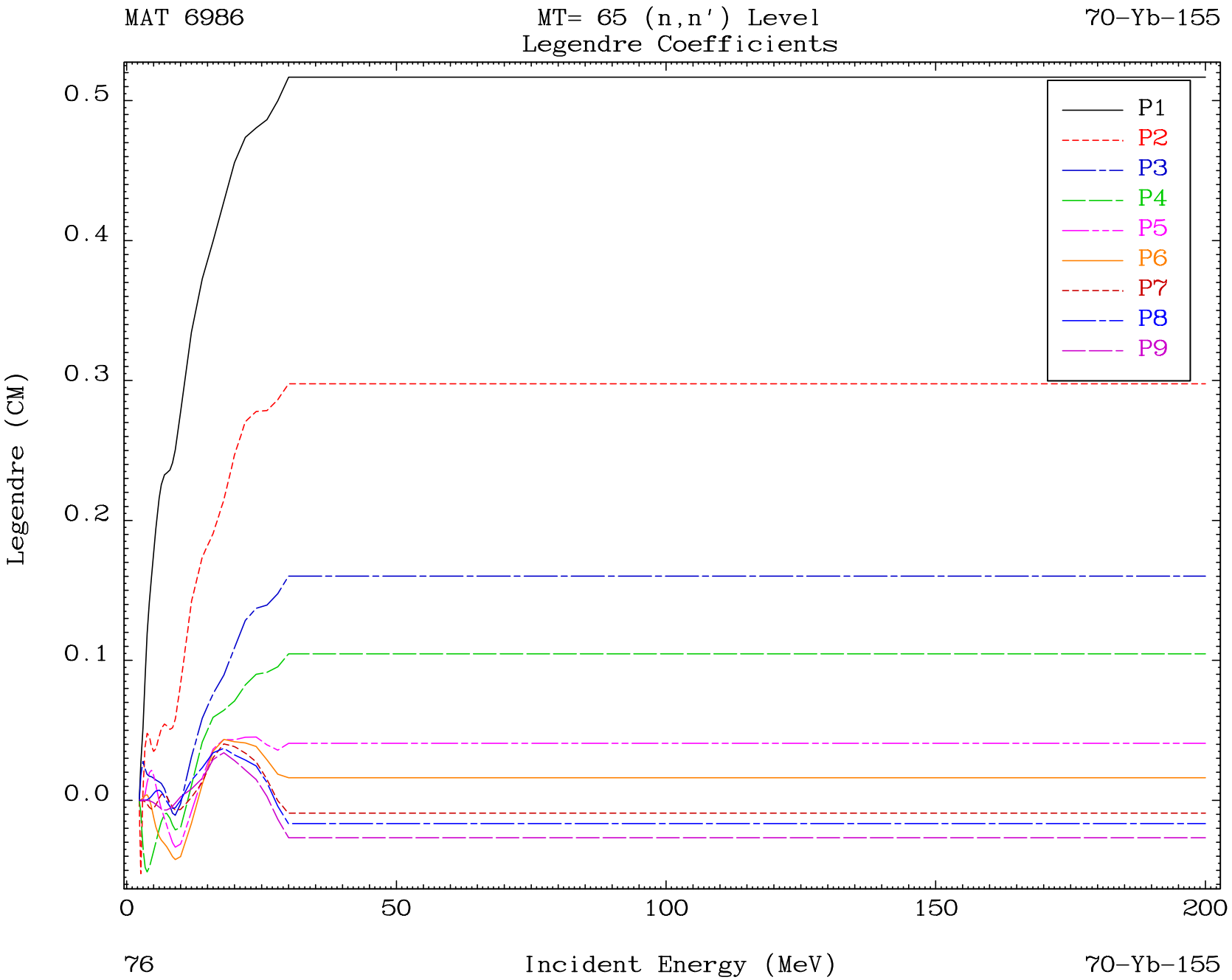

MAT 6986
MT= 63 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-8
4
3
2
1
0
Legendre (CM)
50
100
150
200
71
Incident Energy (MeV)
70-Yb-155
P28
P29
P30
P31
P32
P33
P34

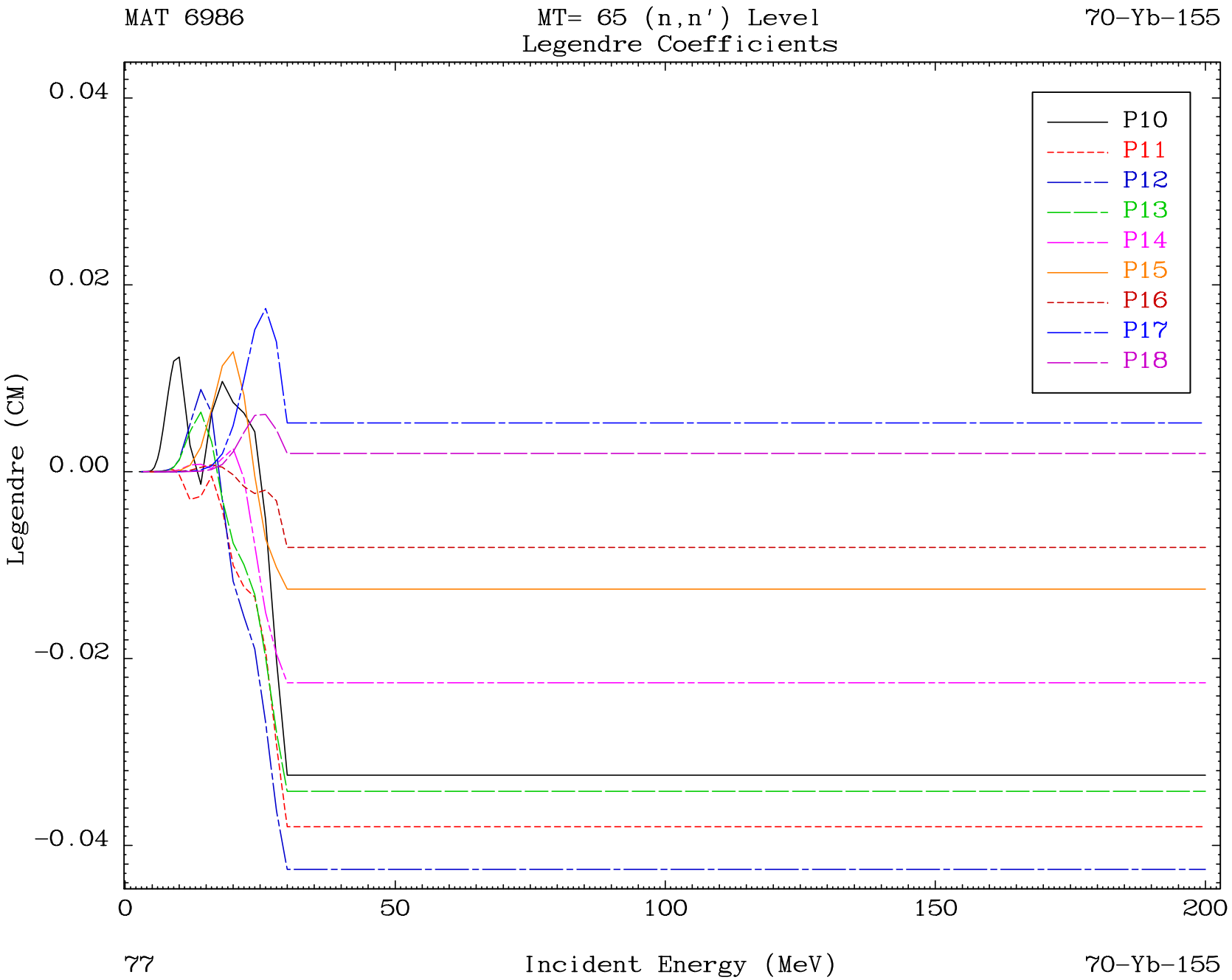

MAT 6986
MT= 64 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
72
Incident Energy (MeV)
70-Yb-155

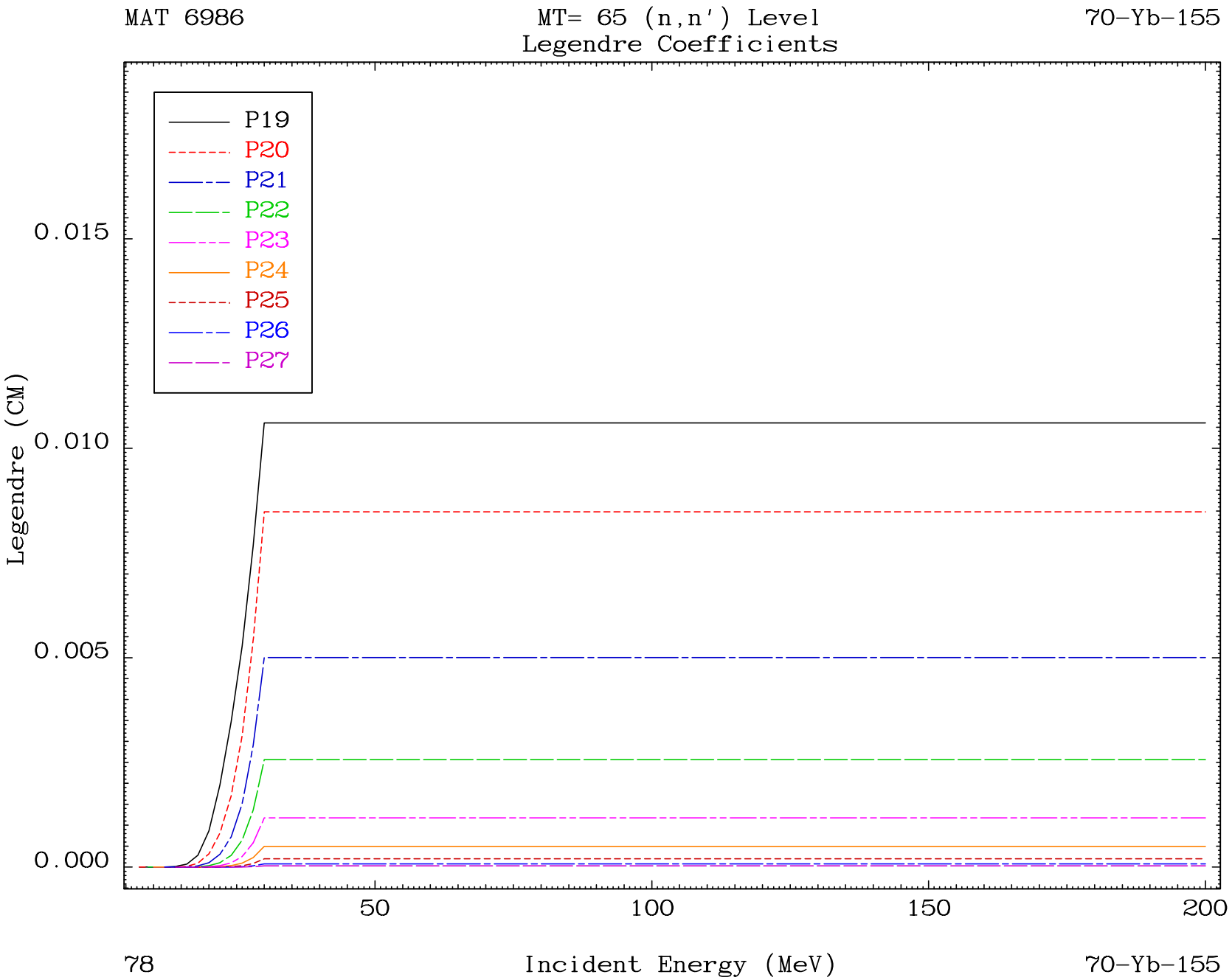

MAT 6986
MT= 64 (n,n') Level
Legendre Coefficients
70-Yb-155
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
70-Yb-155

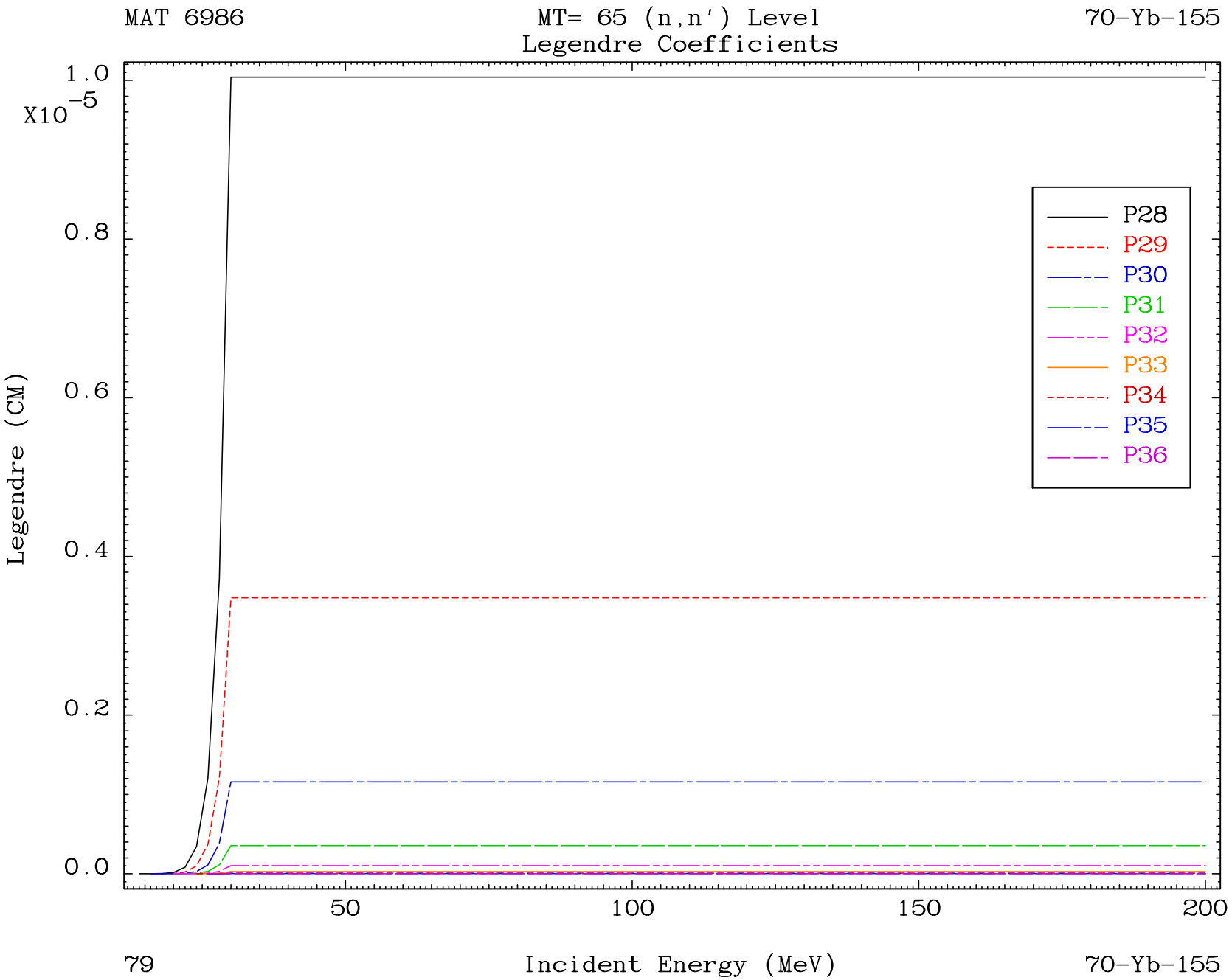

MAT 6986
MT= 64 (n,n') Level
Legendre Coefficients
70-Yb-155
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27

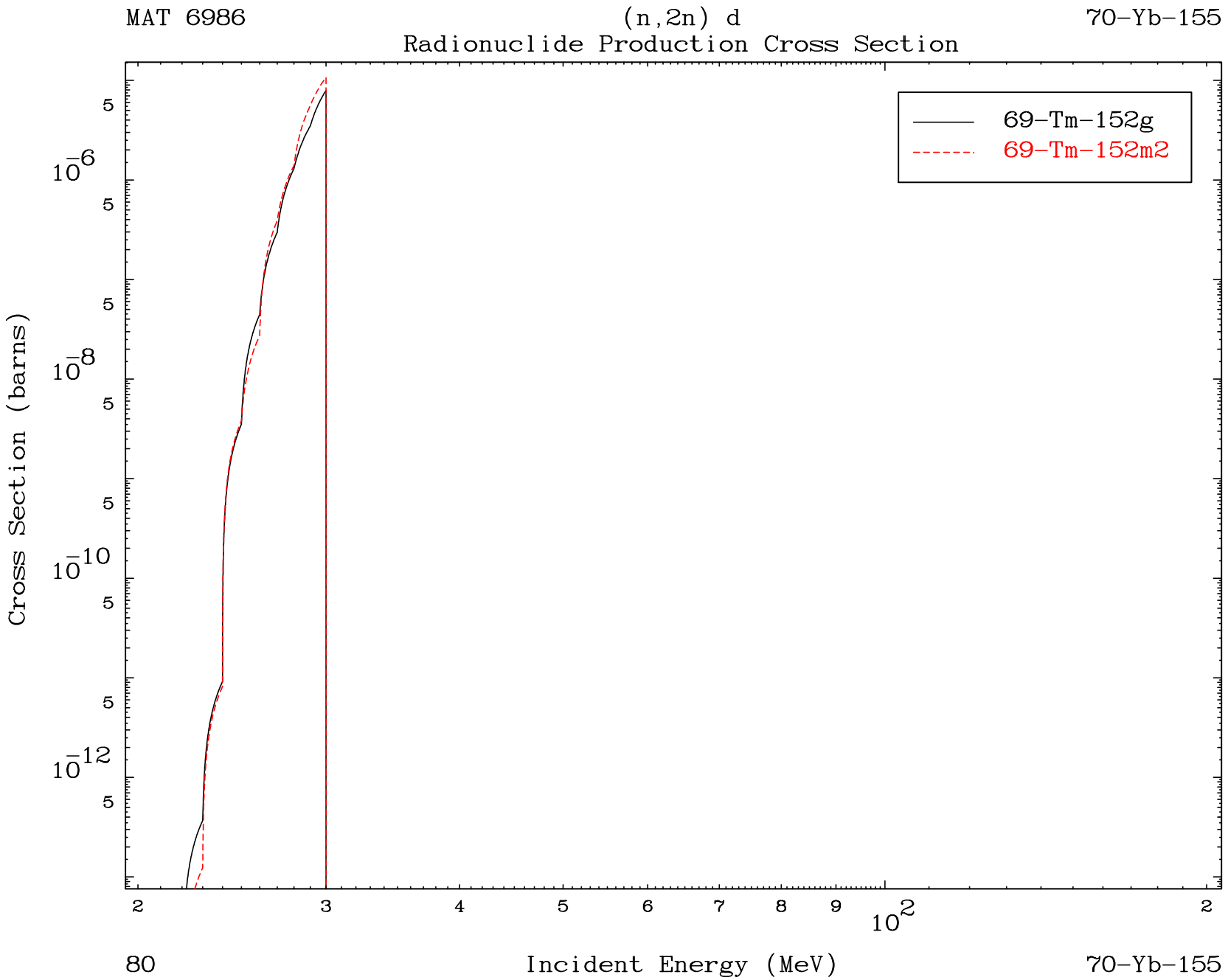

MAT 6986
MT= 64 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10^-6
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
75
Incident Energy (MeV)
70-Yb-155

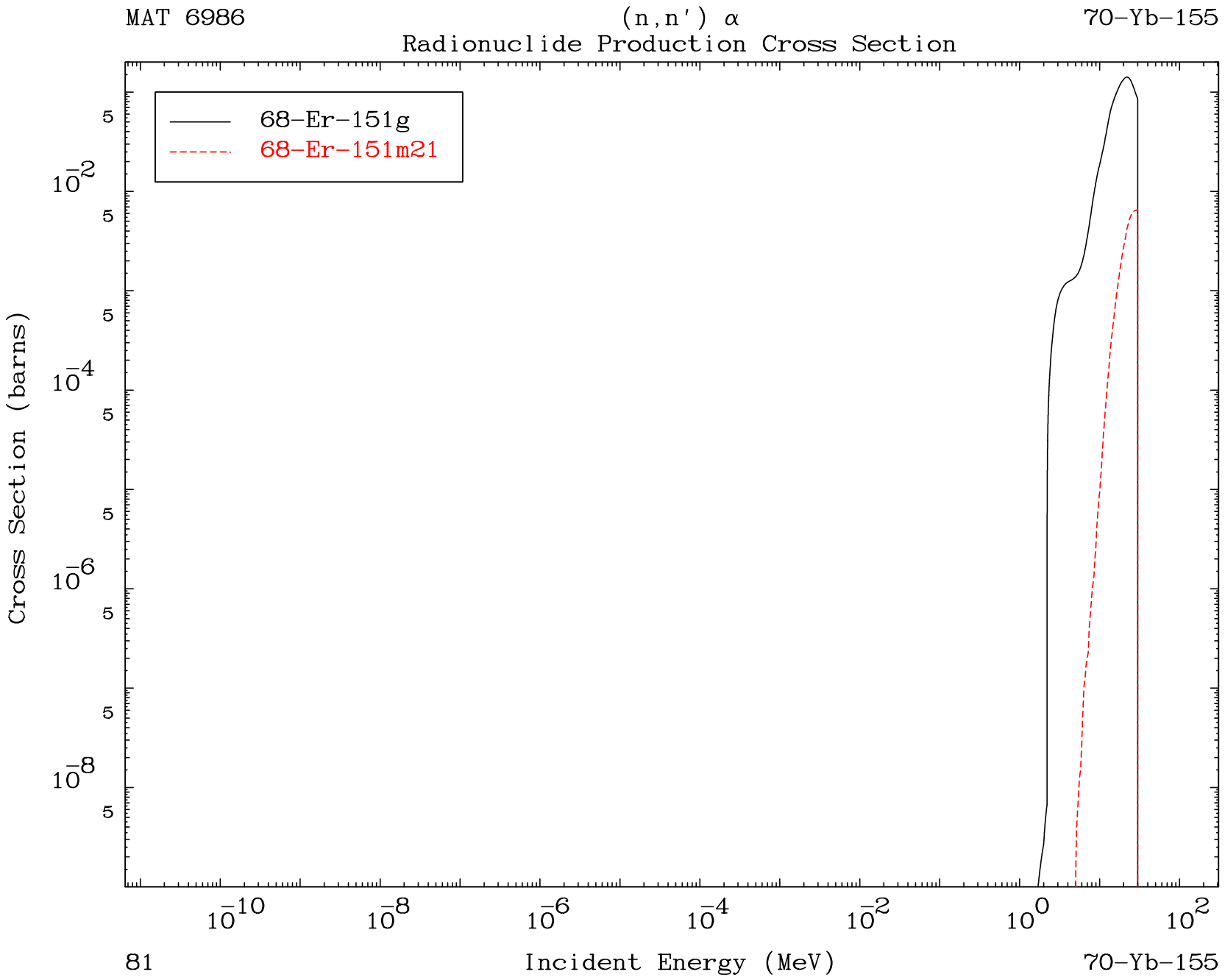

MAT 6986
MT= 65 (n,n') Level
Legendre Coefficients
70-Yb-155
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
76
Incident Energy (MeV)
70-Yb-155

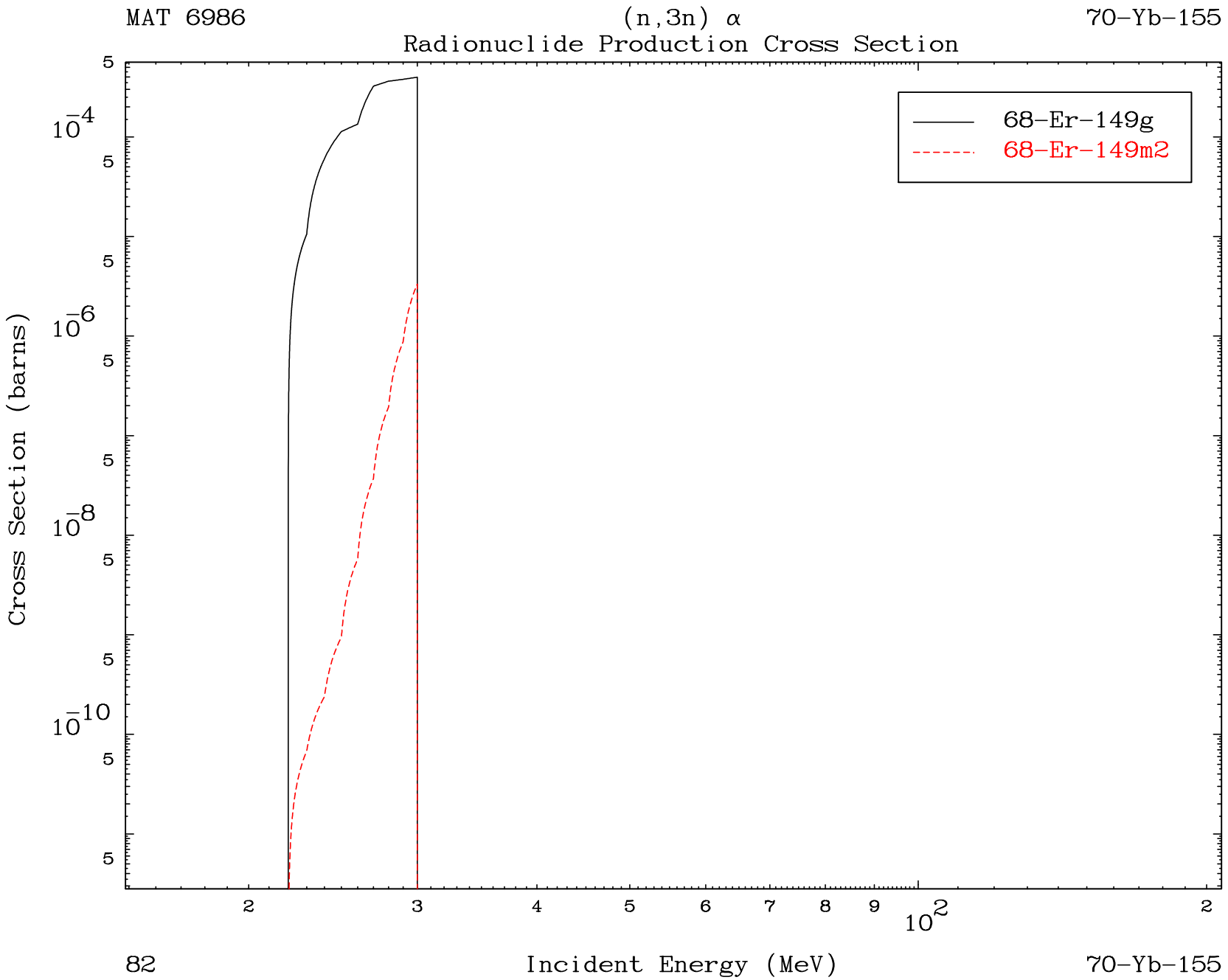

MAT 6986
MT= 65 (n,n') Level
Legendre Coefficients
70-Yb-155
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
77
Incident Energy (MeV)
70-Yb-155

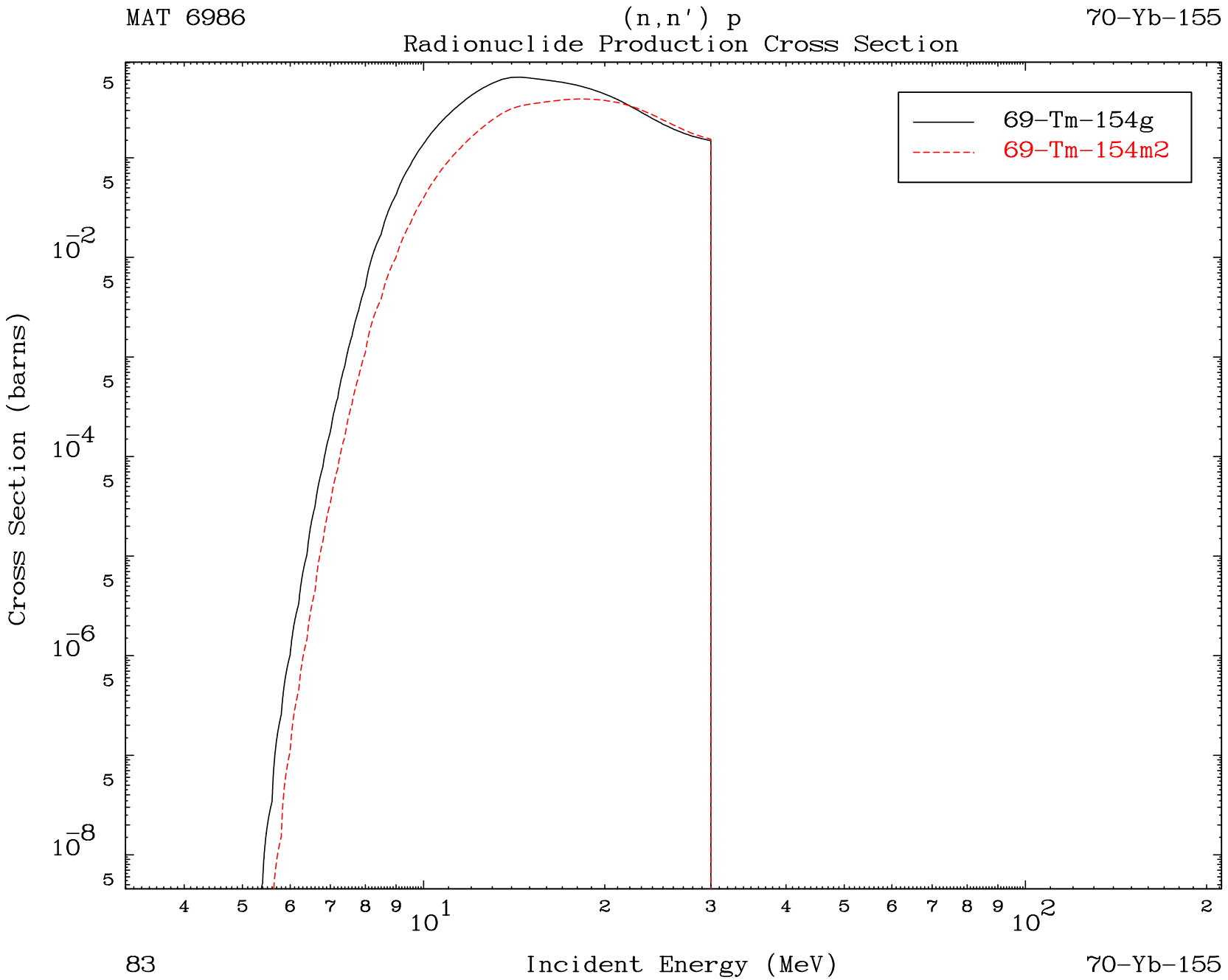

MAT 6986
MT= 65 (n,n') Level
Legendre Coefficients
70-Yb-155
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
78
Incident Energy (MeV)
70-Yb-155

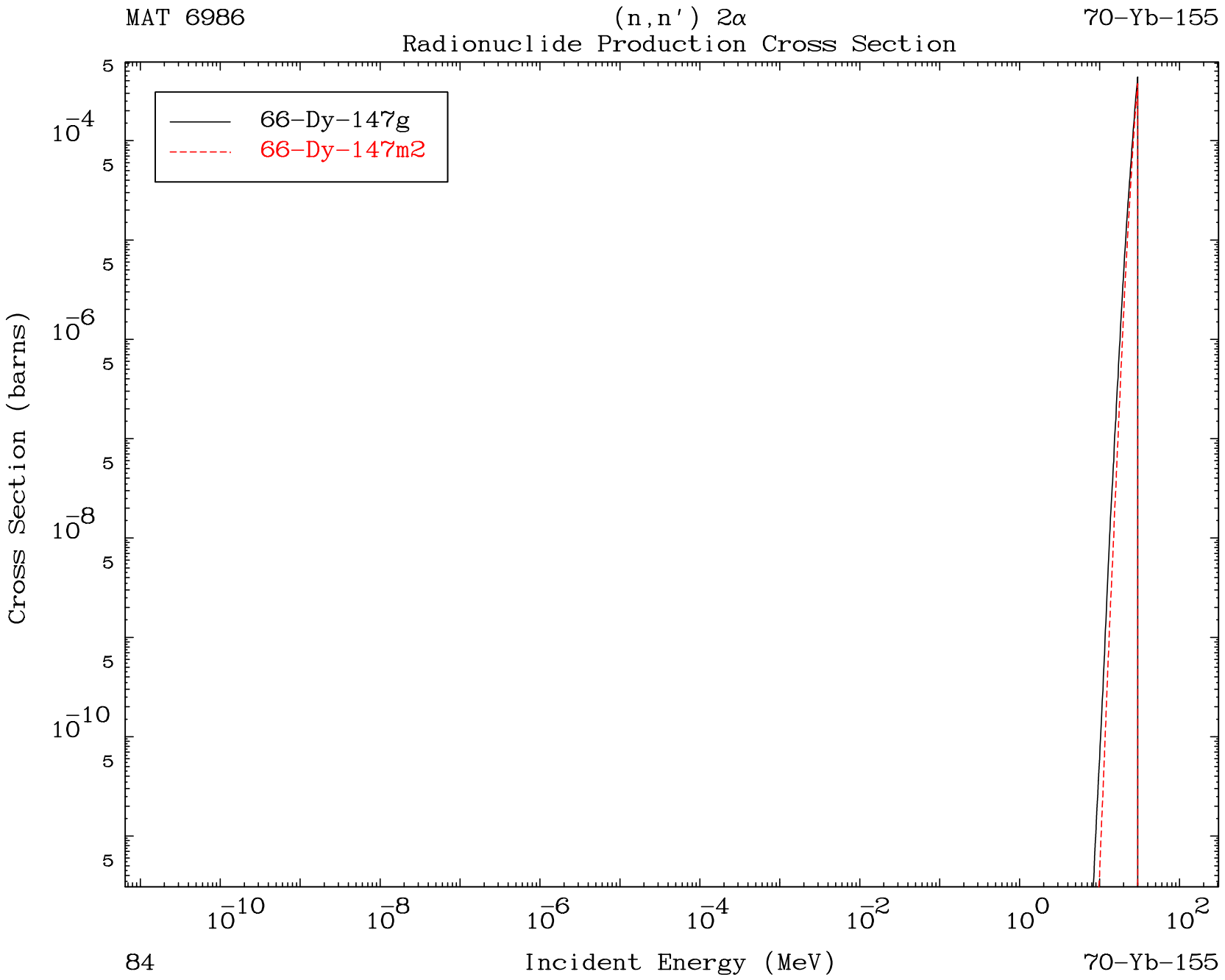

MAT 6986
MT= 65 (n,n') Level
Legendre Coefficients
70-Yb-155
1.0
X10-5
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
79
Incident Energy (MeV)
70-Yb-155

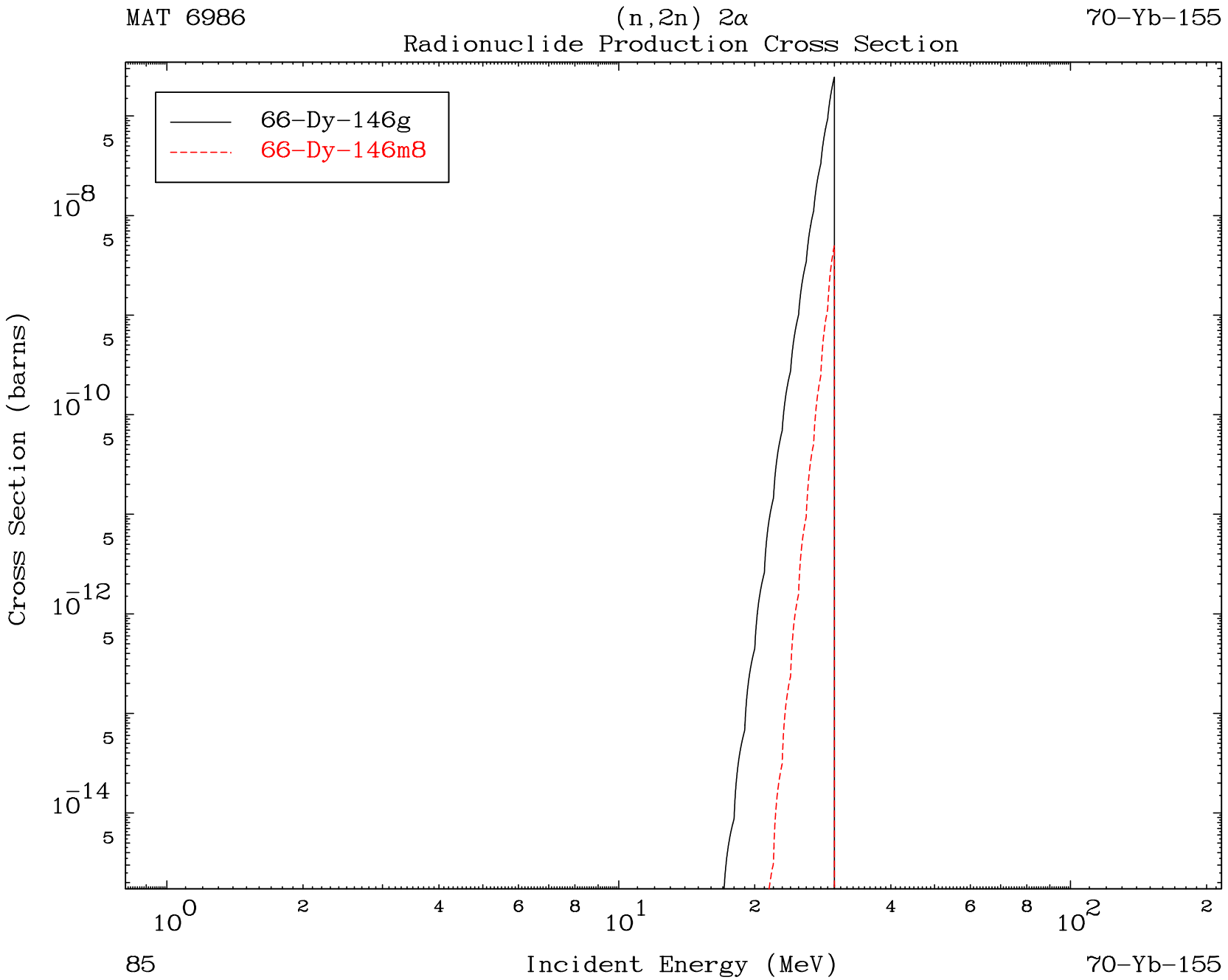

MAT 6986
(n,2n) d
70-Yb-155
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
80
Incident Energy (MeV)
70-Yb-155

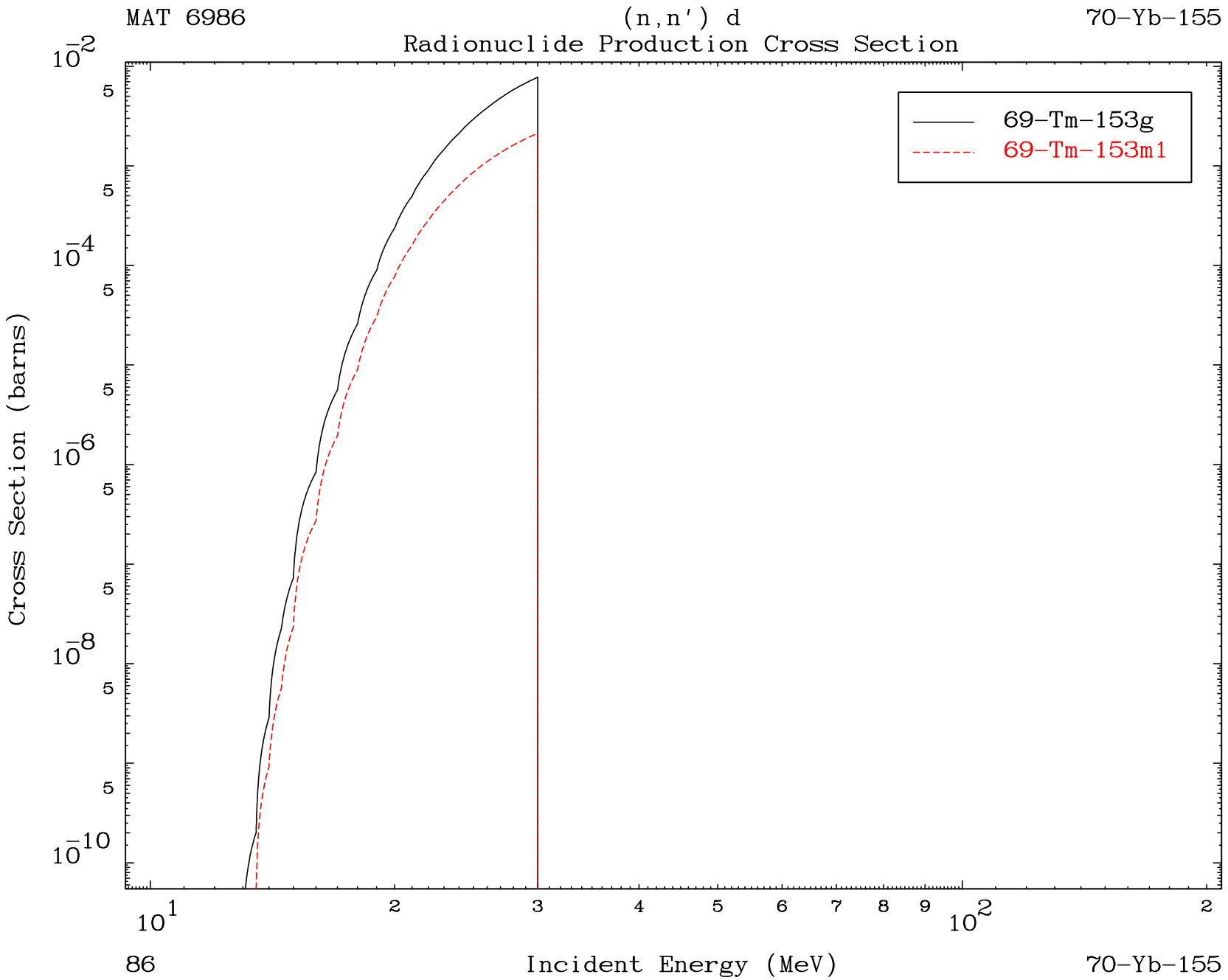

MAT 6986
(n,n') α
70-Yb-155
Radionuclide Production Cross Section
68-Er-151g
68-Er-151m21
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
81
70-Yb-155

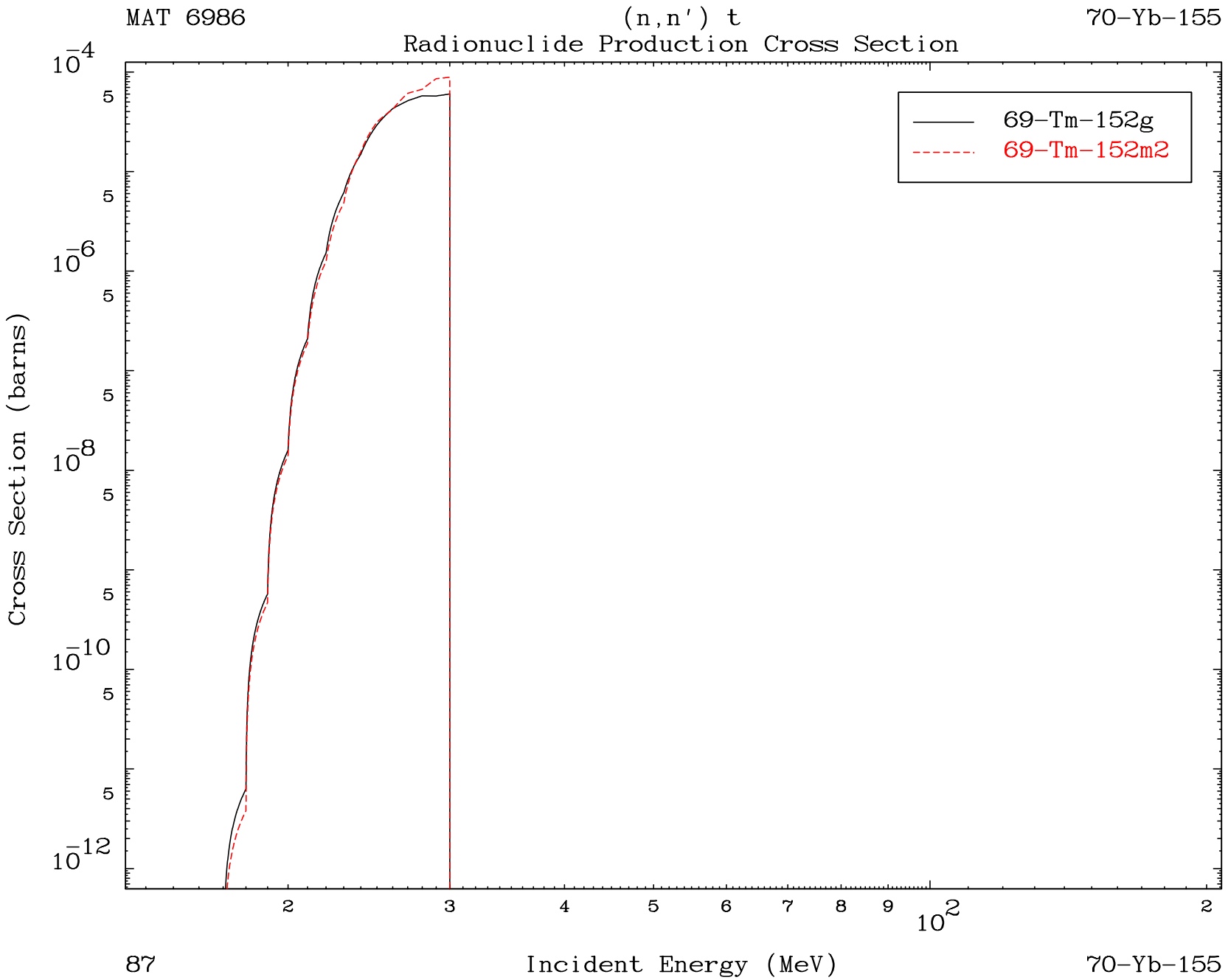

MAT 6986
(n,3n) α
70-Yb-155
Radionuclide Production Cross Section
68-Er-149g
68-Er-149m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
82
70-Yb-155

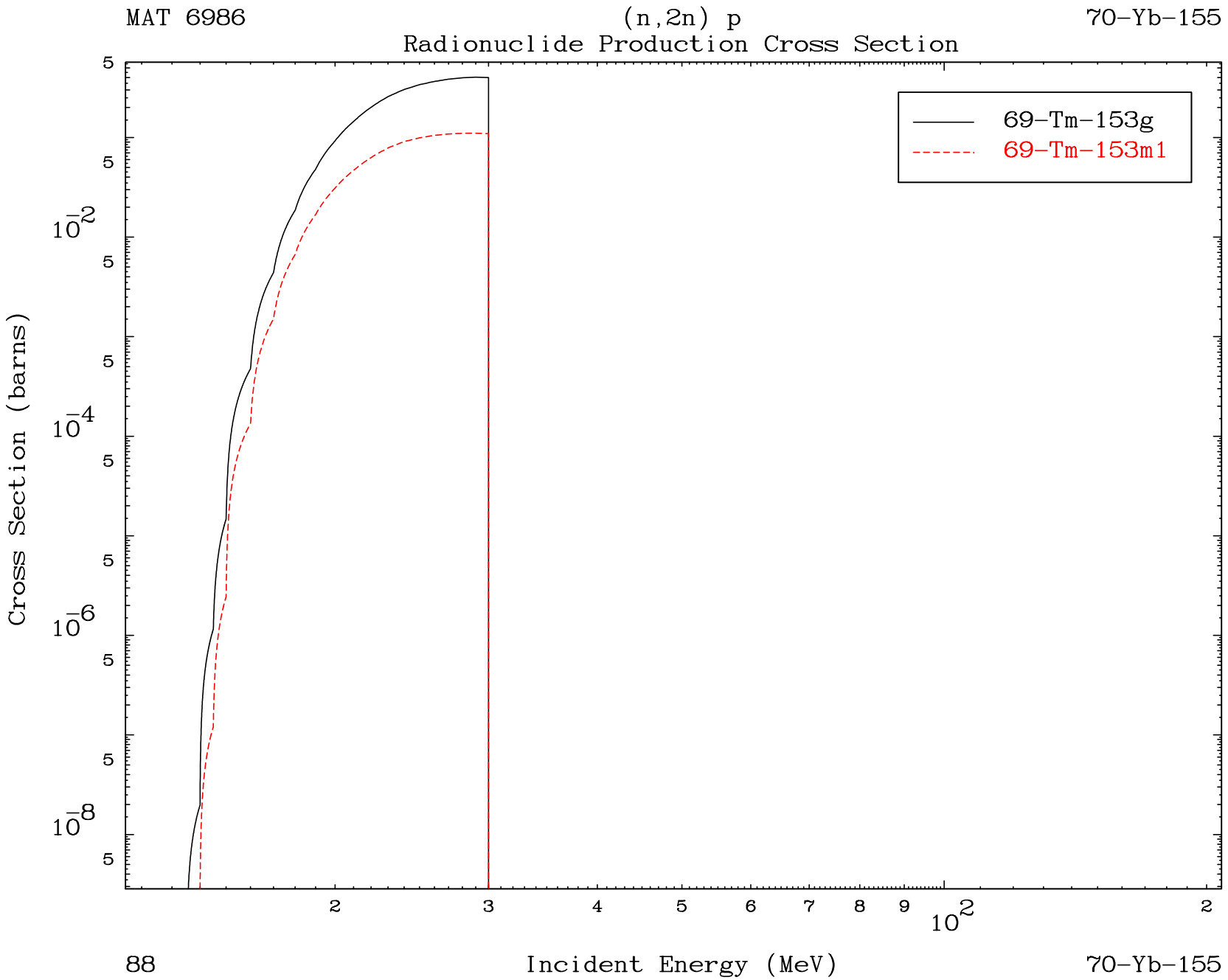

MAT 6986
(n,n') p
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
83
70-Yb-155

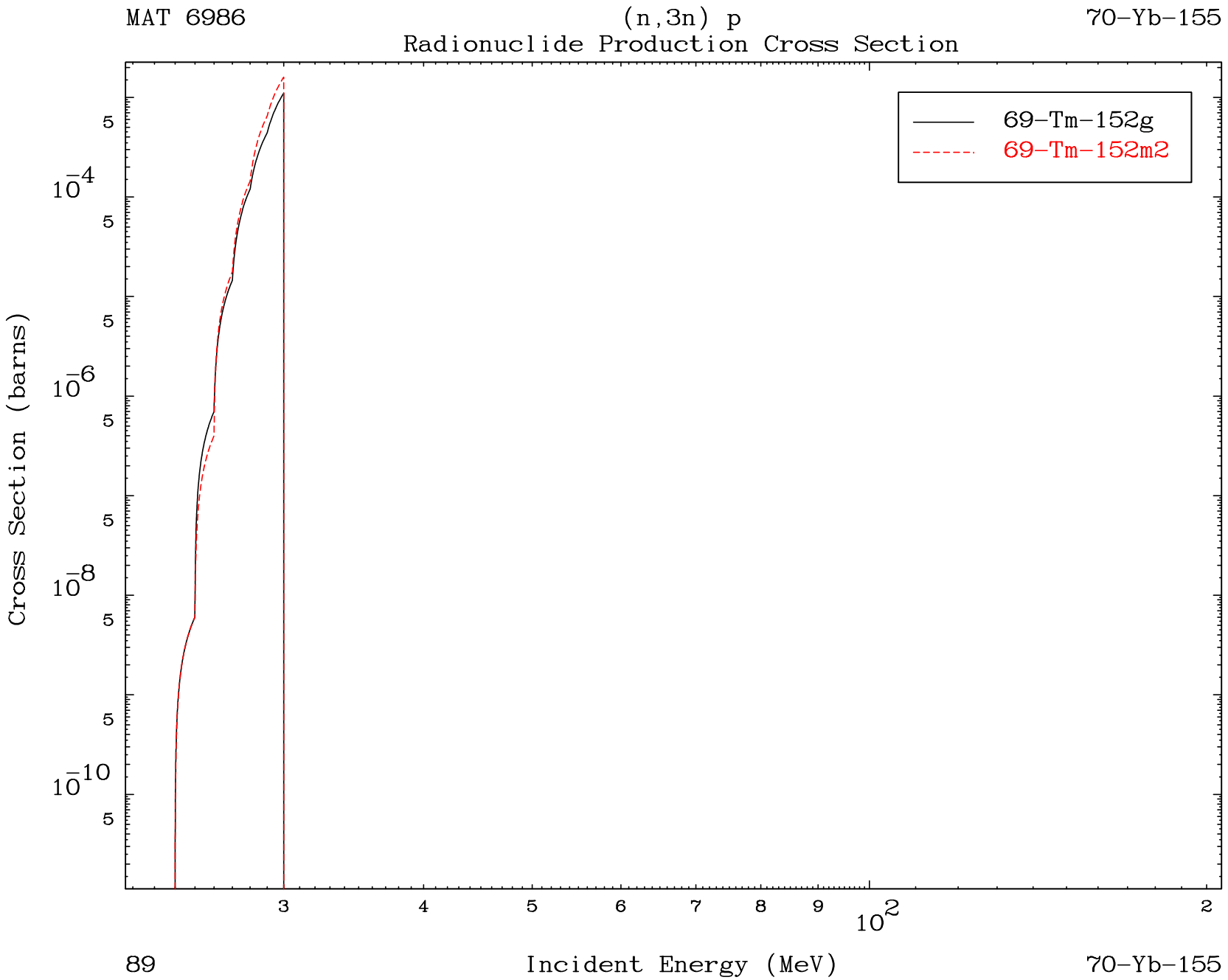

MAT 6986
(n,n') 2α
70-Yb-155
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
84
70-Yb-155

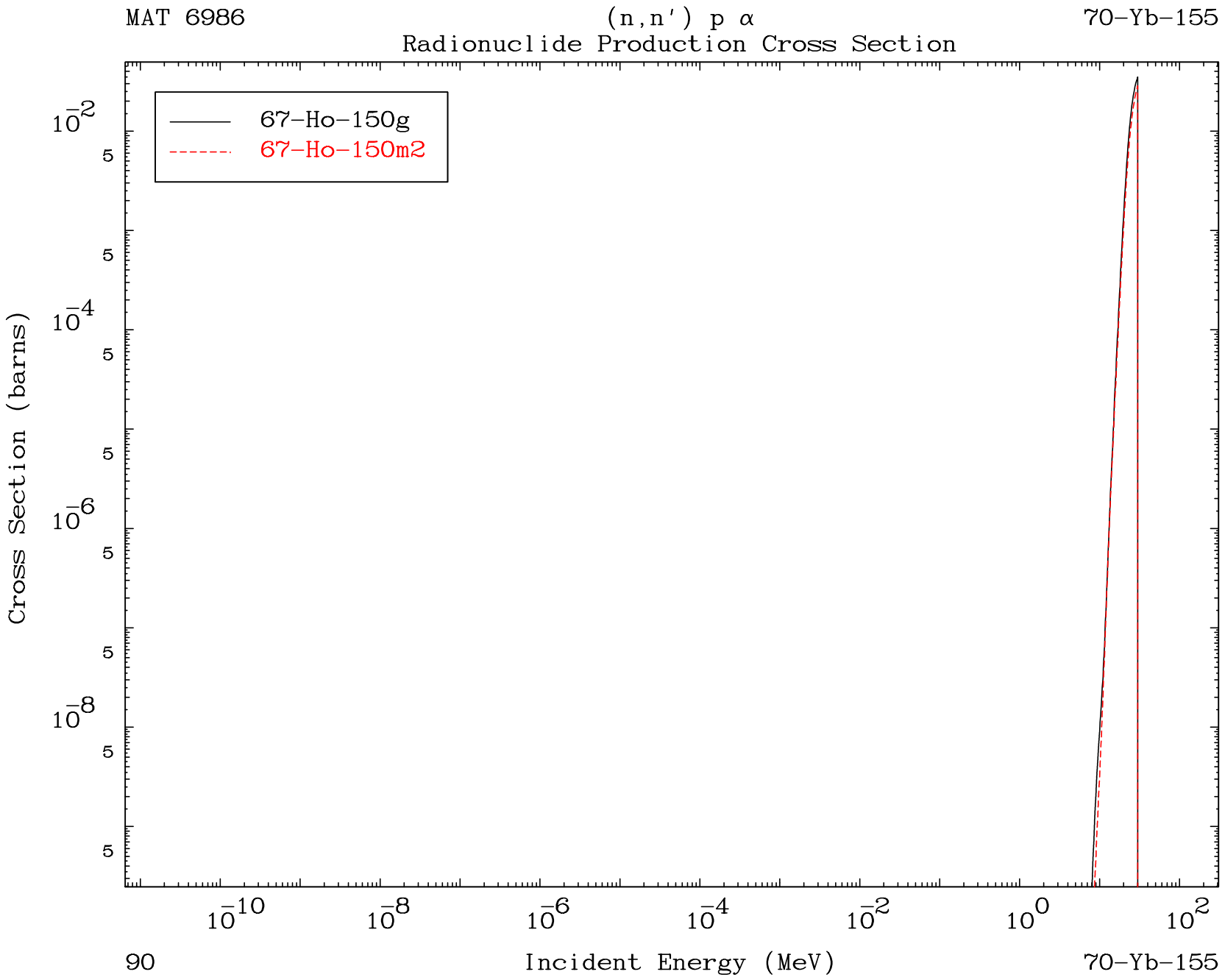

MAT 6986
(n,2n) 2α
70-Yb-155
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m8
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
85
Incident Energy (MeV)
70-Yb-155

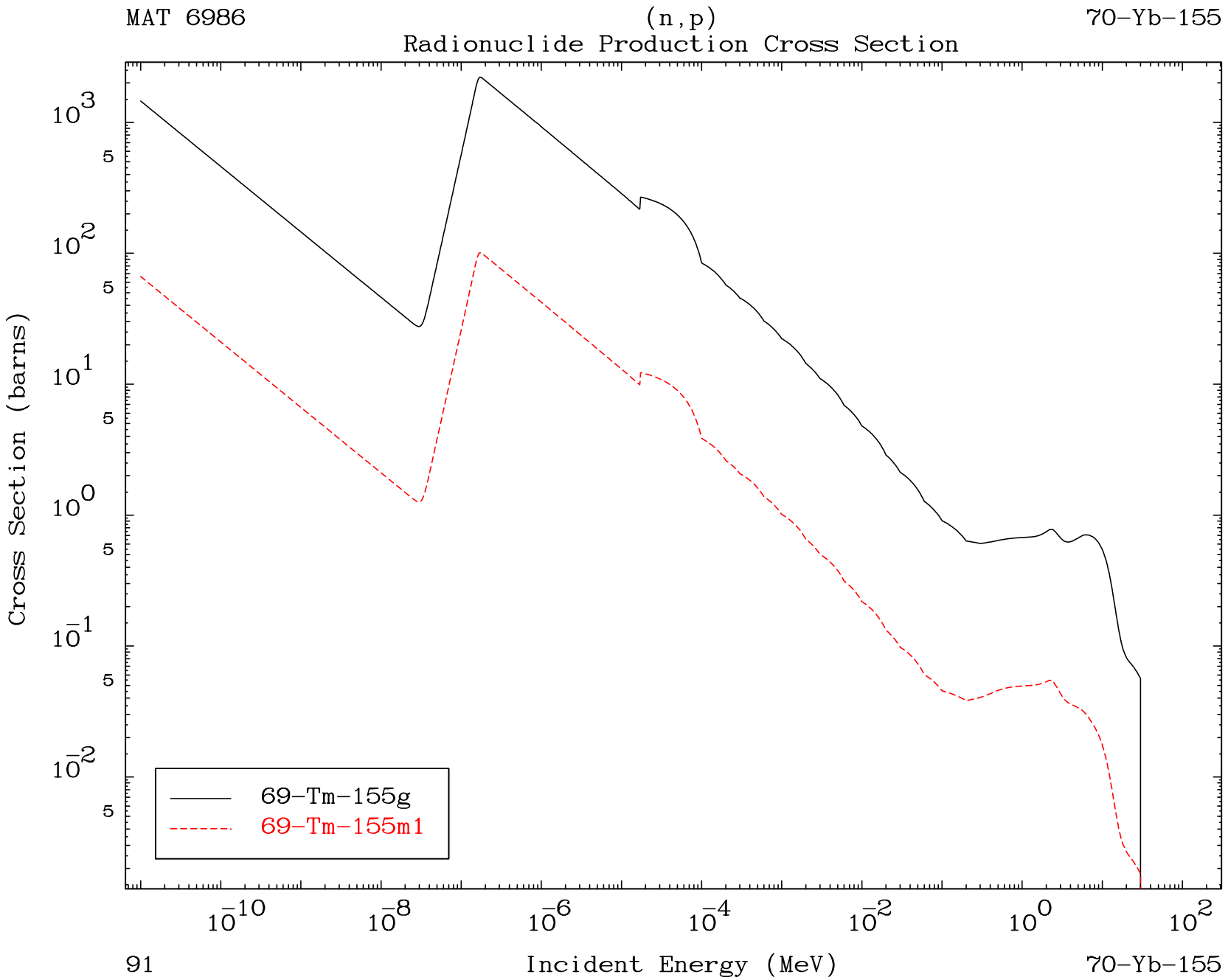

MAT 6986
(n,n') d
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
86
70-Yb-155

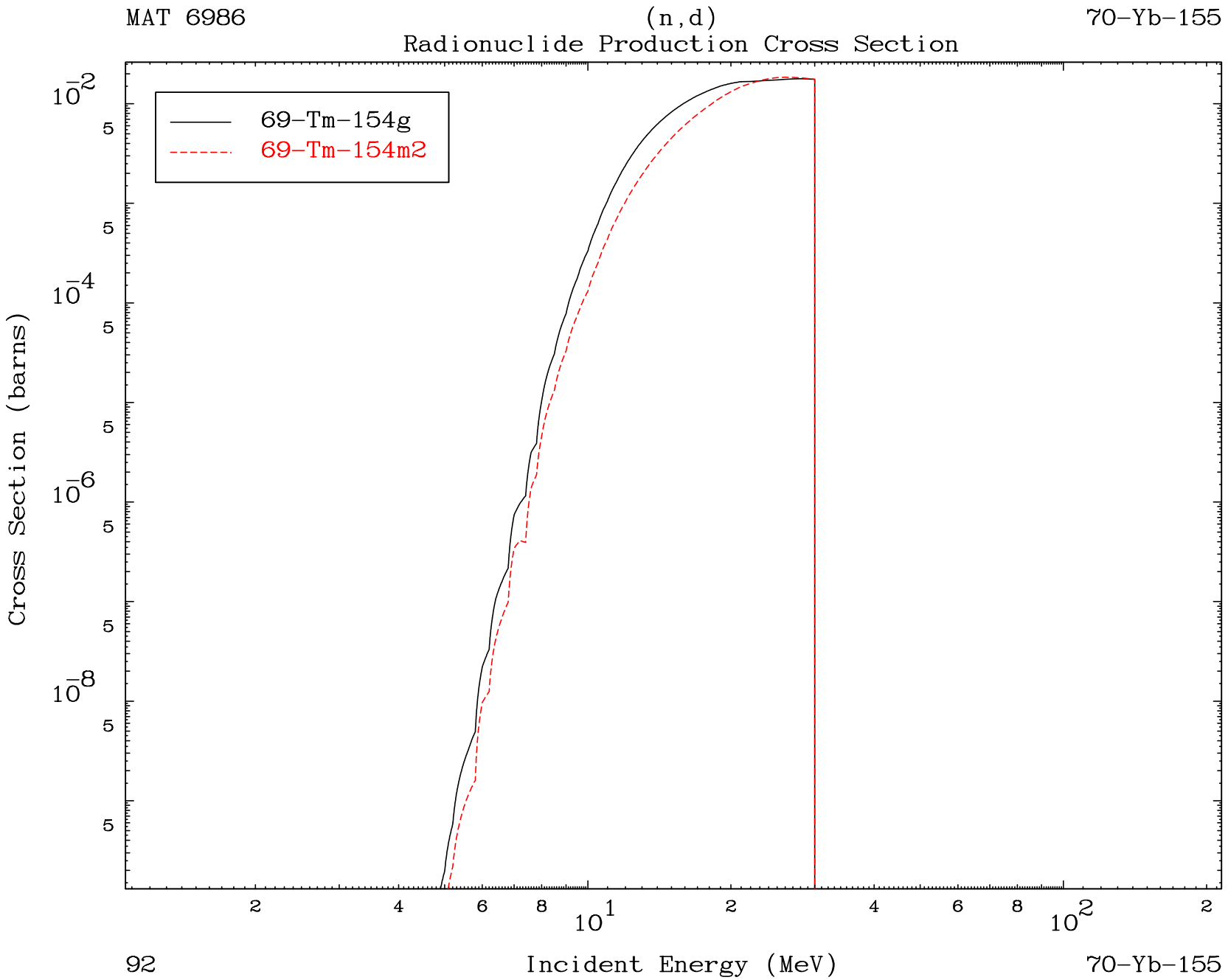

MAT 6986
(n,n') t
70-Yb-155
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
Incident Energy (MeV)
87
70-Yb-155

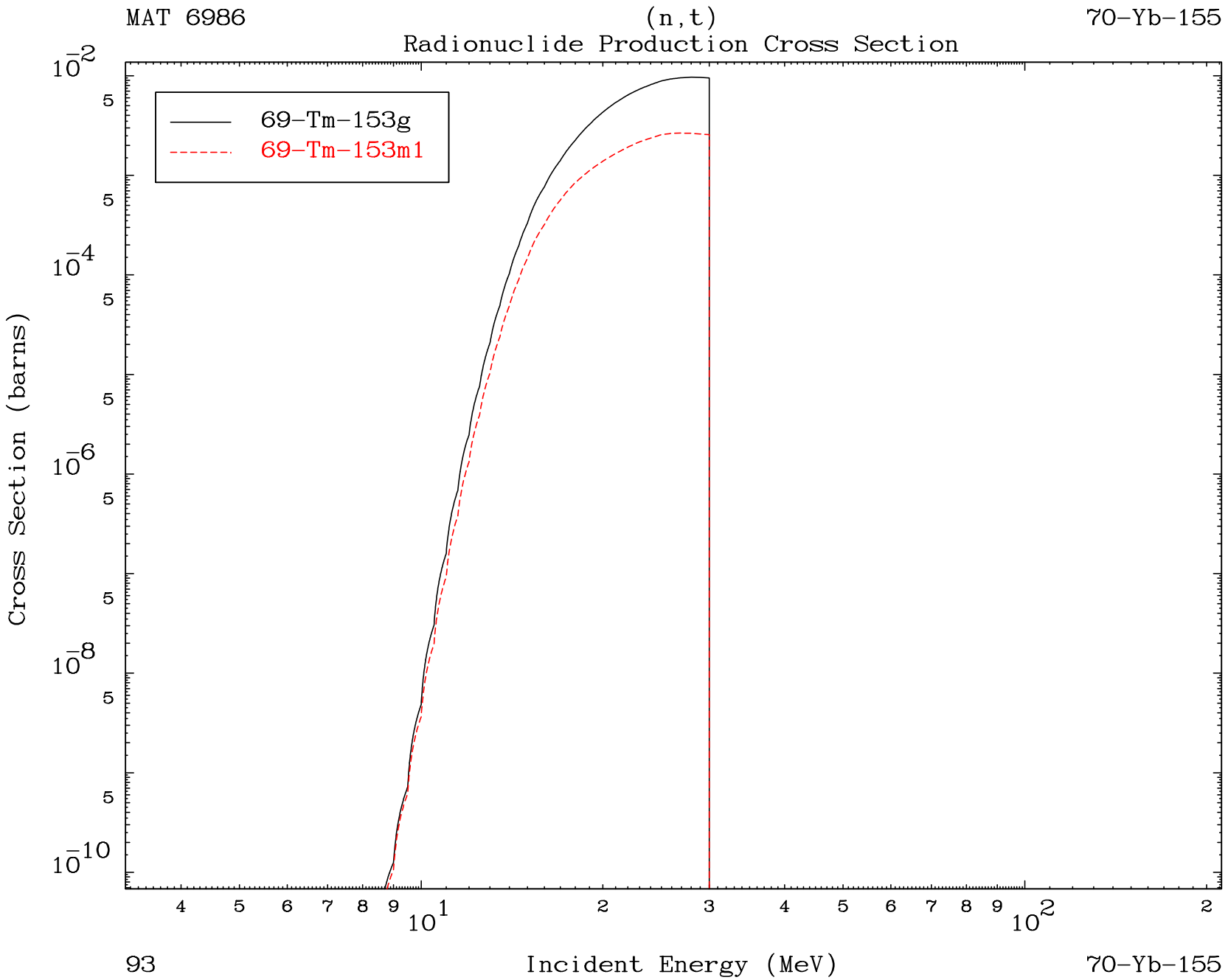

MAT 6986
(n,2n) p
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
88
70-Yb-155

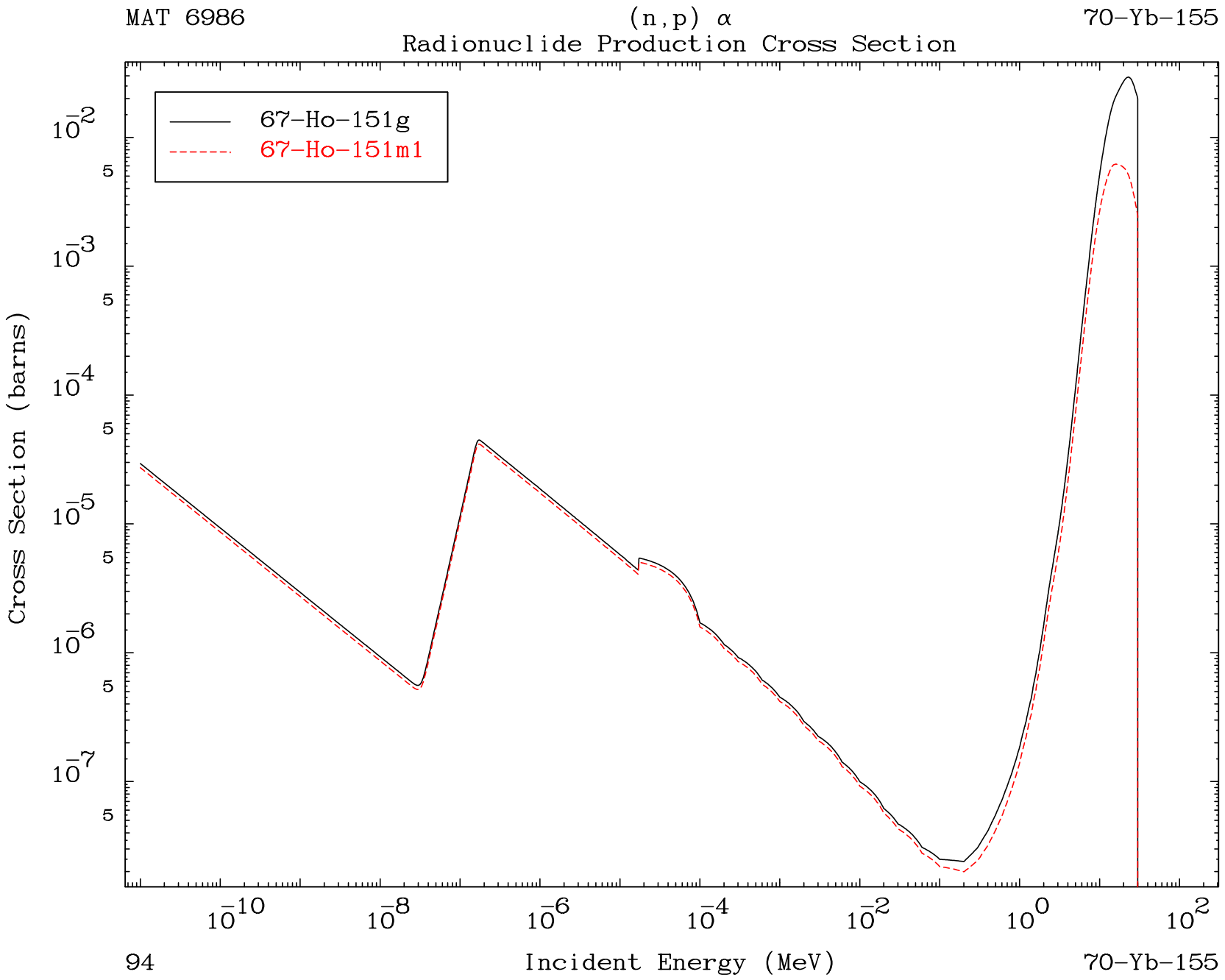

MAT 6986
(n,3n) p
70-Yb-155
Radionuclide Production Cross Section
69-Tm-152g
69-Tm-152m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
89
Incident Energy (MeV)
70-Yb-155

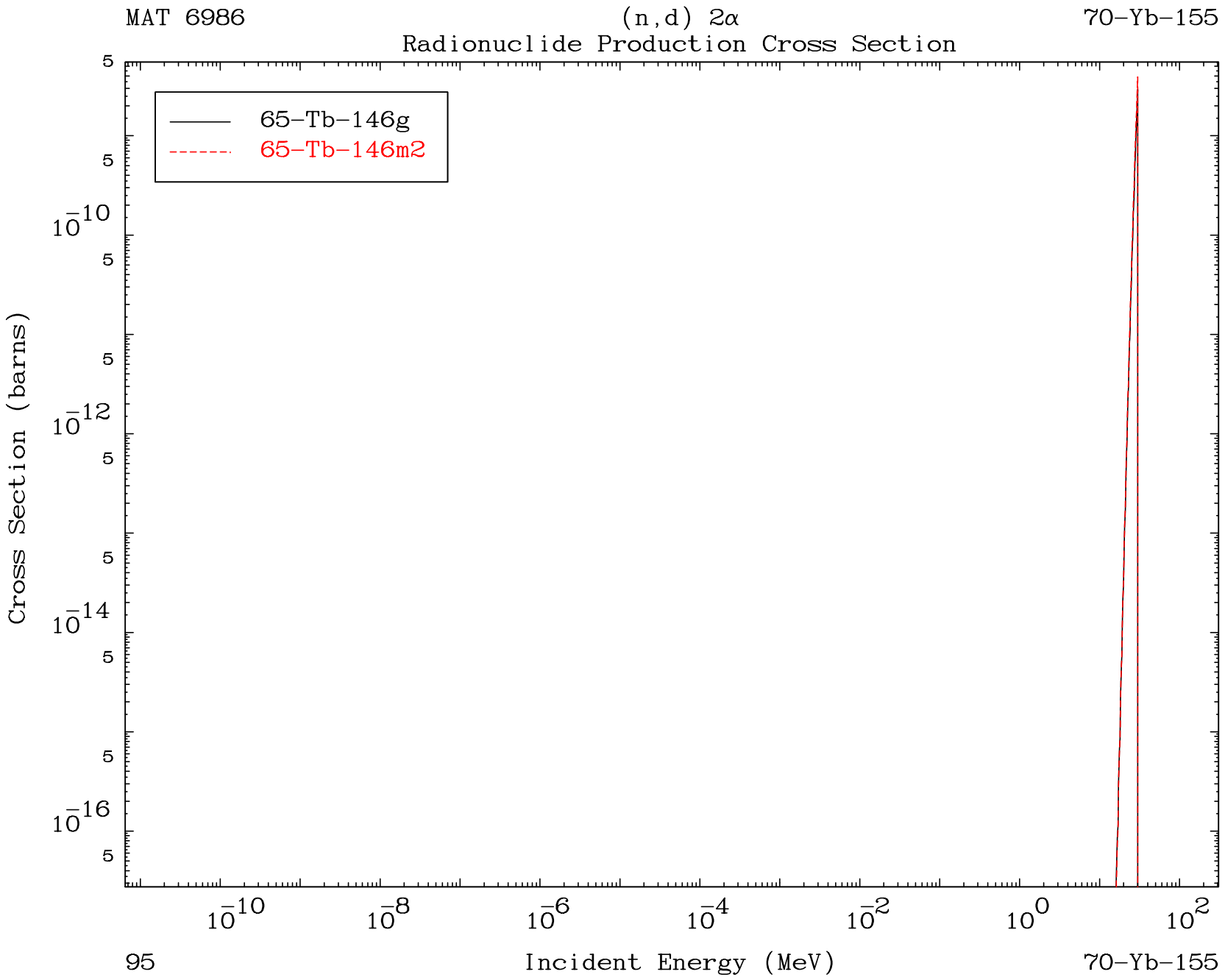

MAT 6986
(n,n') p α
70-Yb-155
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
90
Incident Energy (MeV)
70-Yb-155

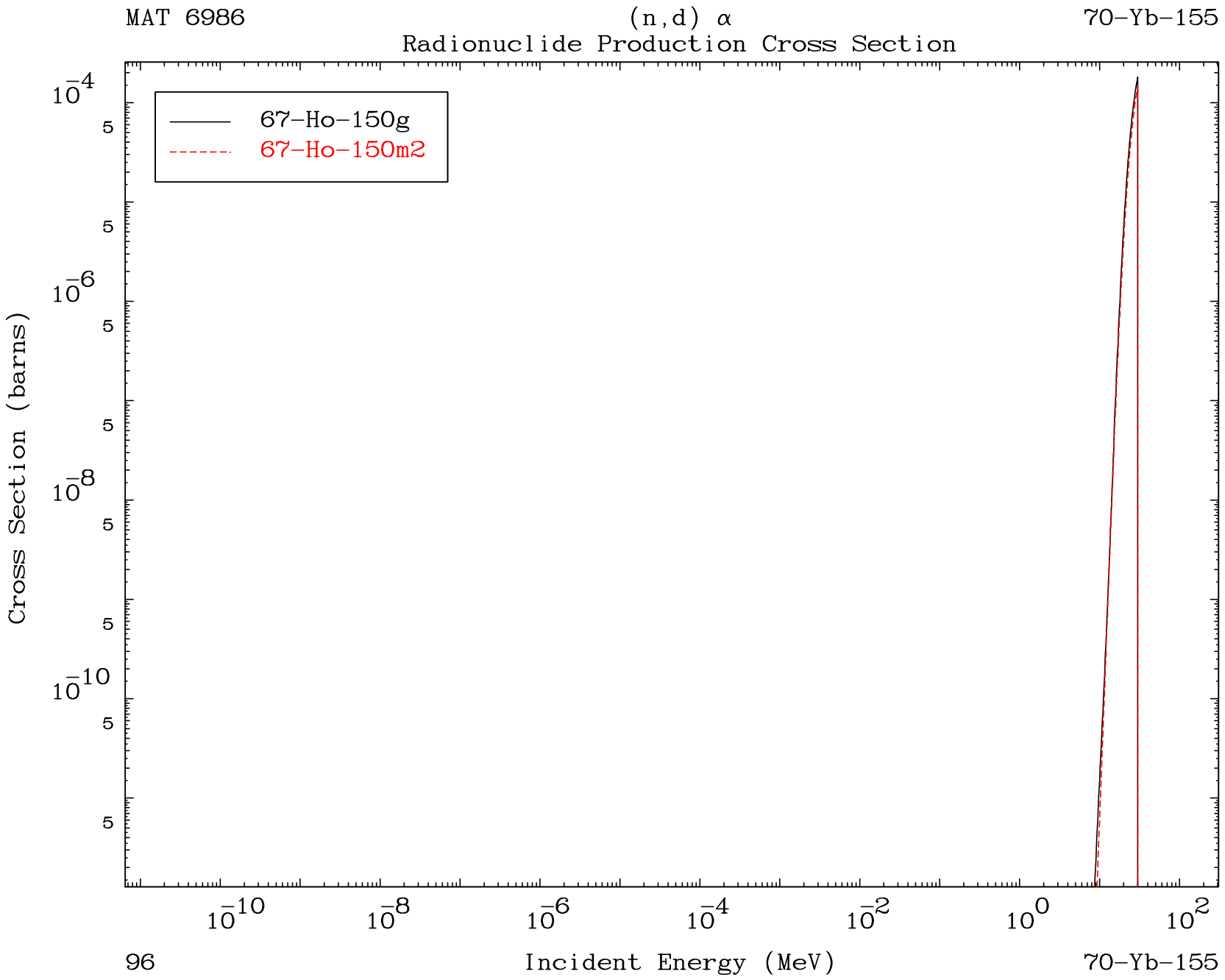

MAT 6986
(n,p)
70-Yb-155
Radionuclide Production Cross Section
Cross Section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
5
69-Tm-155g
69-Tm-155m1
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
91
Incident Energy (MeV)
70-Yb-155


MAT 6986
(n,d)
70-Yb-155
Radionuclide Production Cross Section
69-Tm-154g
69-Tm-154m2
Cross Section (barns)
Incident Energy (MeV)
92
70-Yb-155


MAT 6986
(n,t)
70-Yb-155
Radionuclide Production Cross Section
69-Tm-153g
69-Tm-153m1
Cross Section (barns)
Incident Energy (MeV)
93
70-Yb-155


MAT 6986
(n,p) α
70-Yb-155
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
94
70-Yb-155


MAT 6986
(n,d) 2α
70-Yb-155
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
95
70-Yb-155


MAT 6986
(n,d) α
70-Yb-155
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
96
Incident Energy (MeV)
70-Yb-155