

Program EVALPLOT
(Version 2021-1)

by

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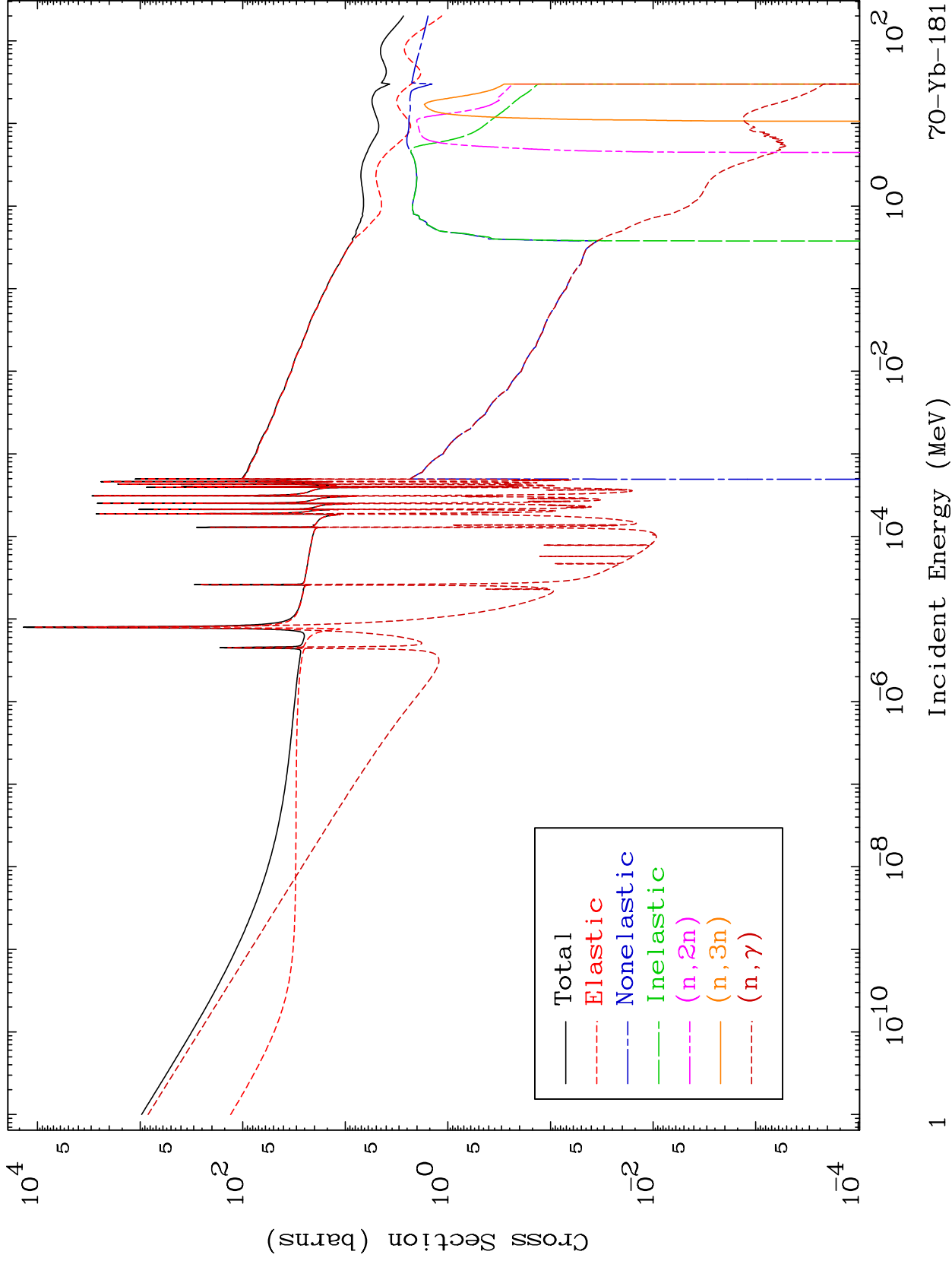
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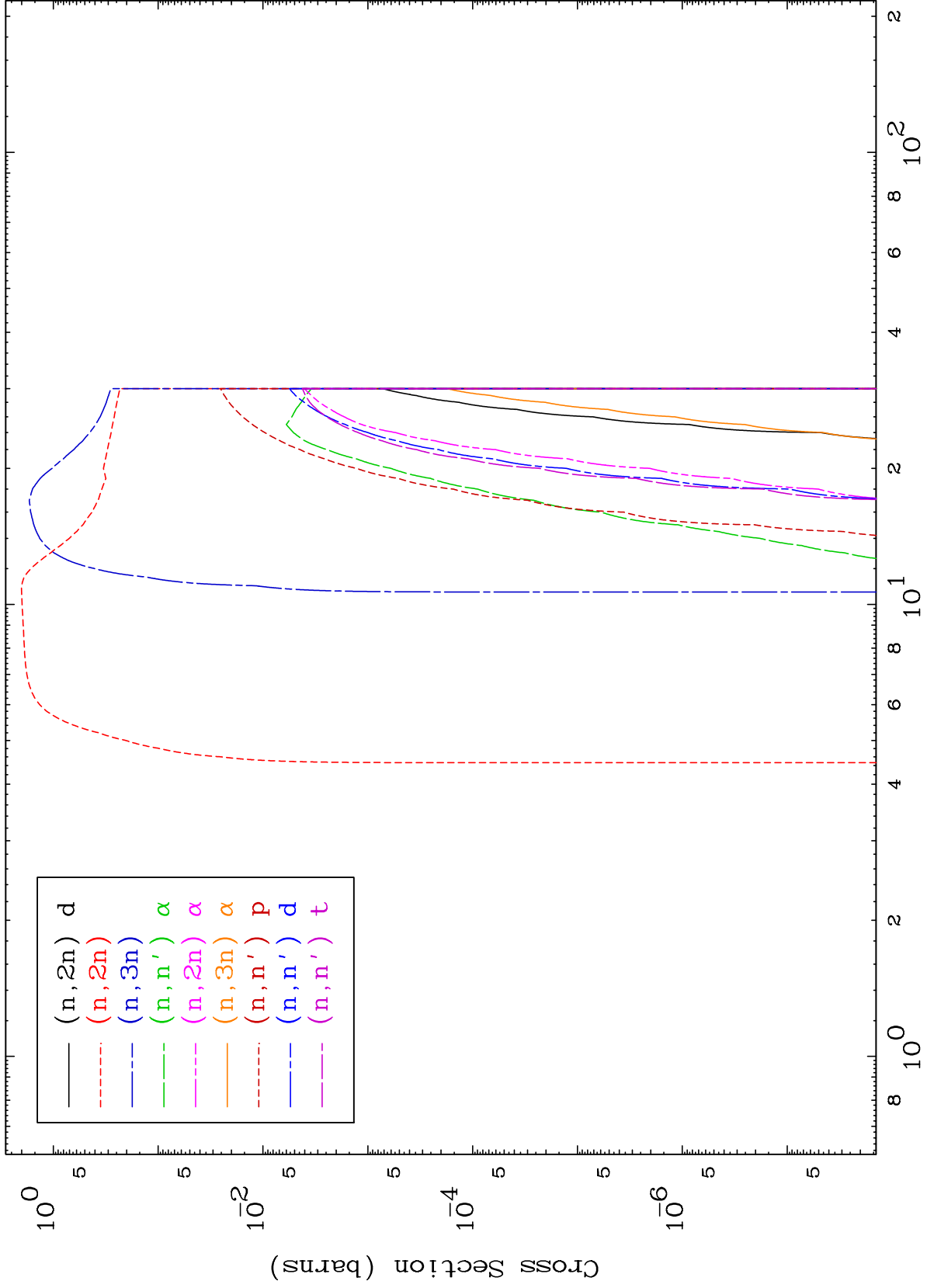
Press Mouse Button to Start

MAT 7064

Neutron Major
293 Kelvin Cross Sections

70-Yb-181

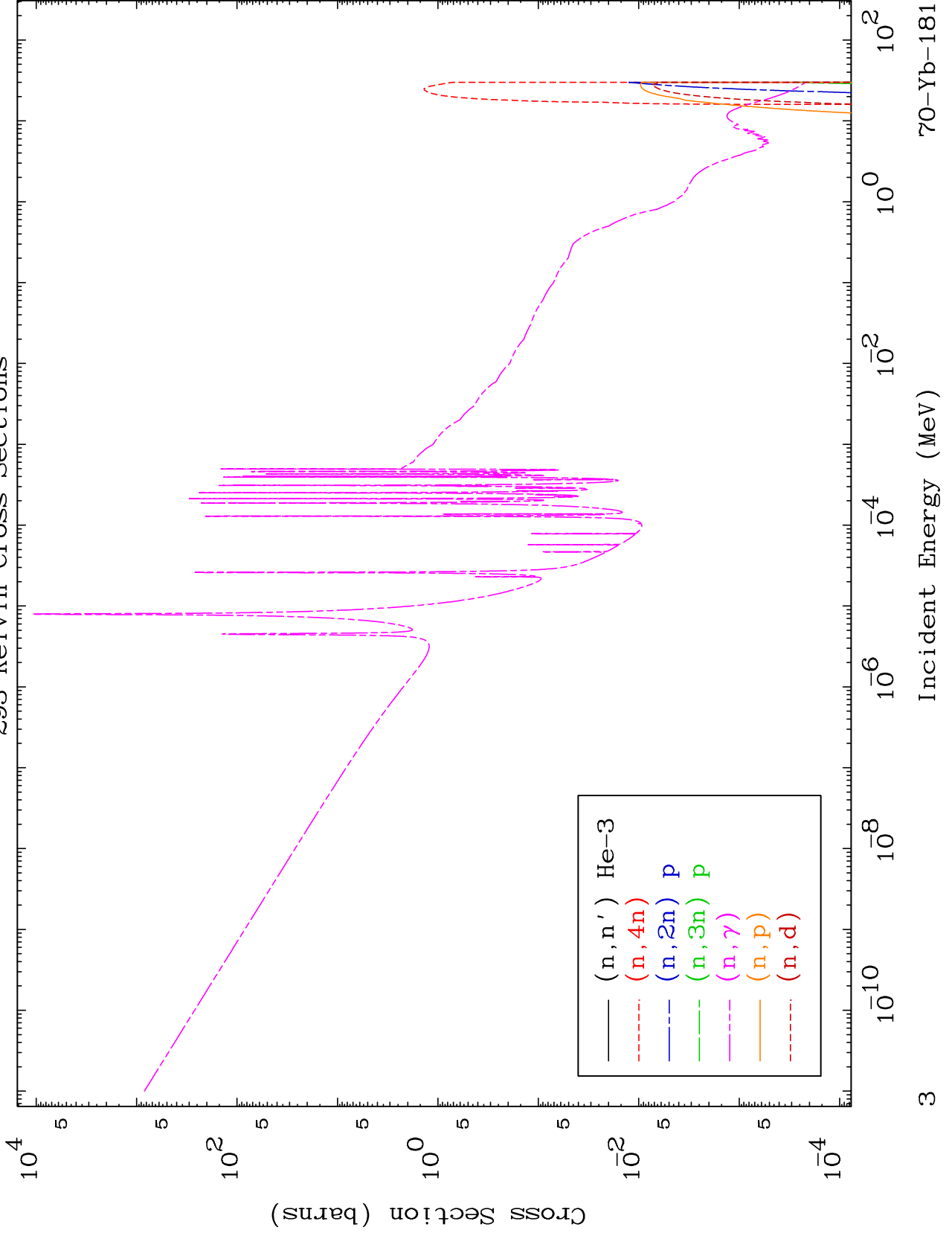




MAT 7064

Neutron Absorption
293 Kelvin Cross Sections

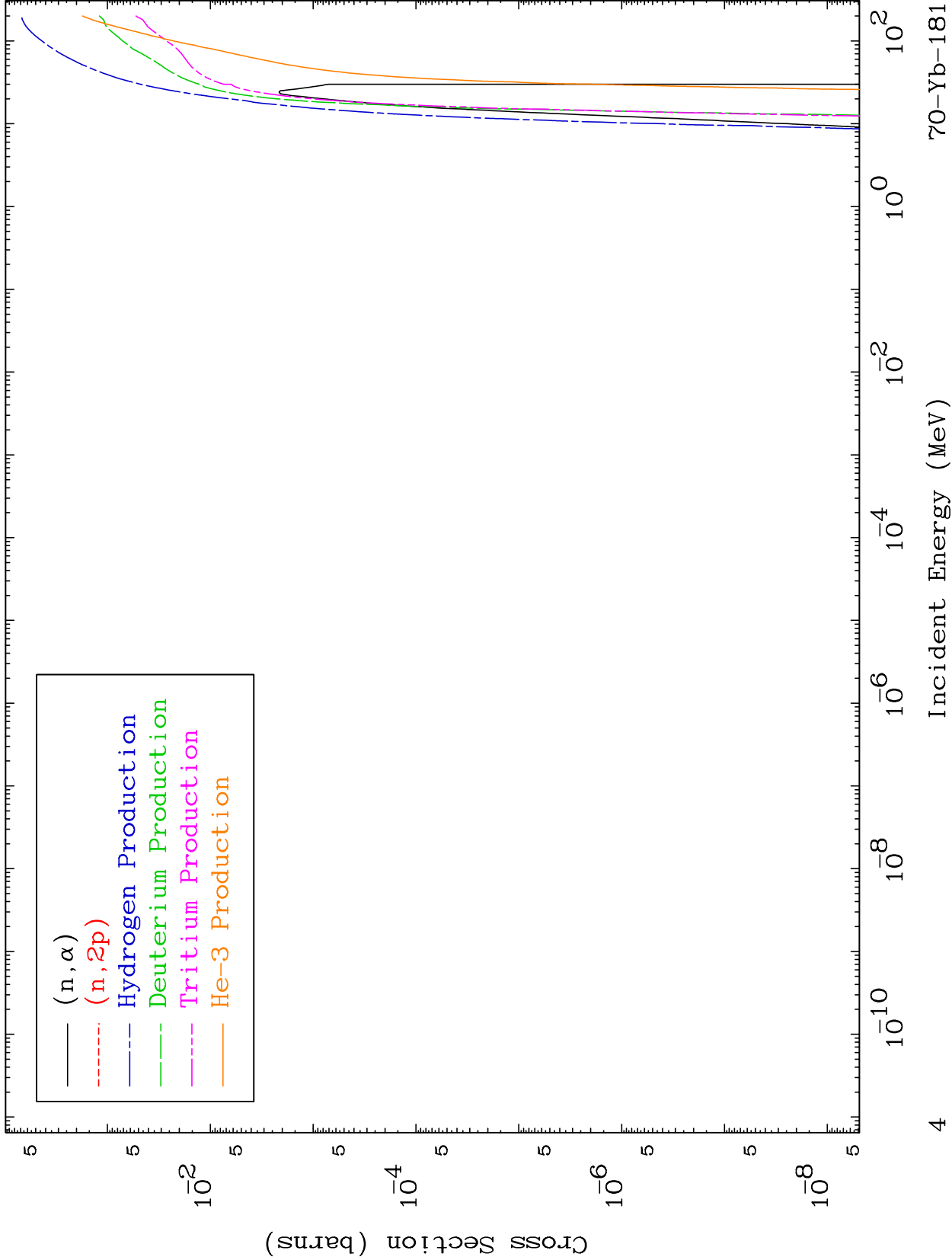
70-Yb-181



MAT 7064

Neutron Absorption
293 Kelvin Cross Sections

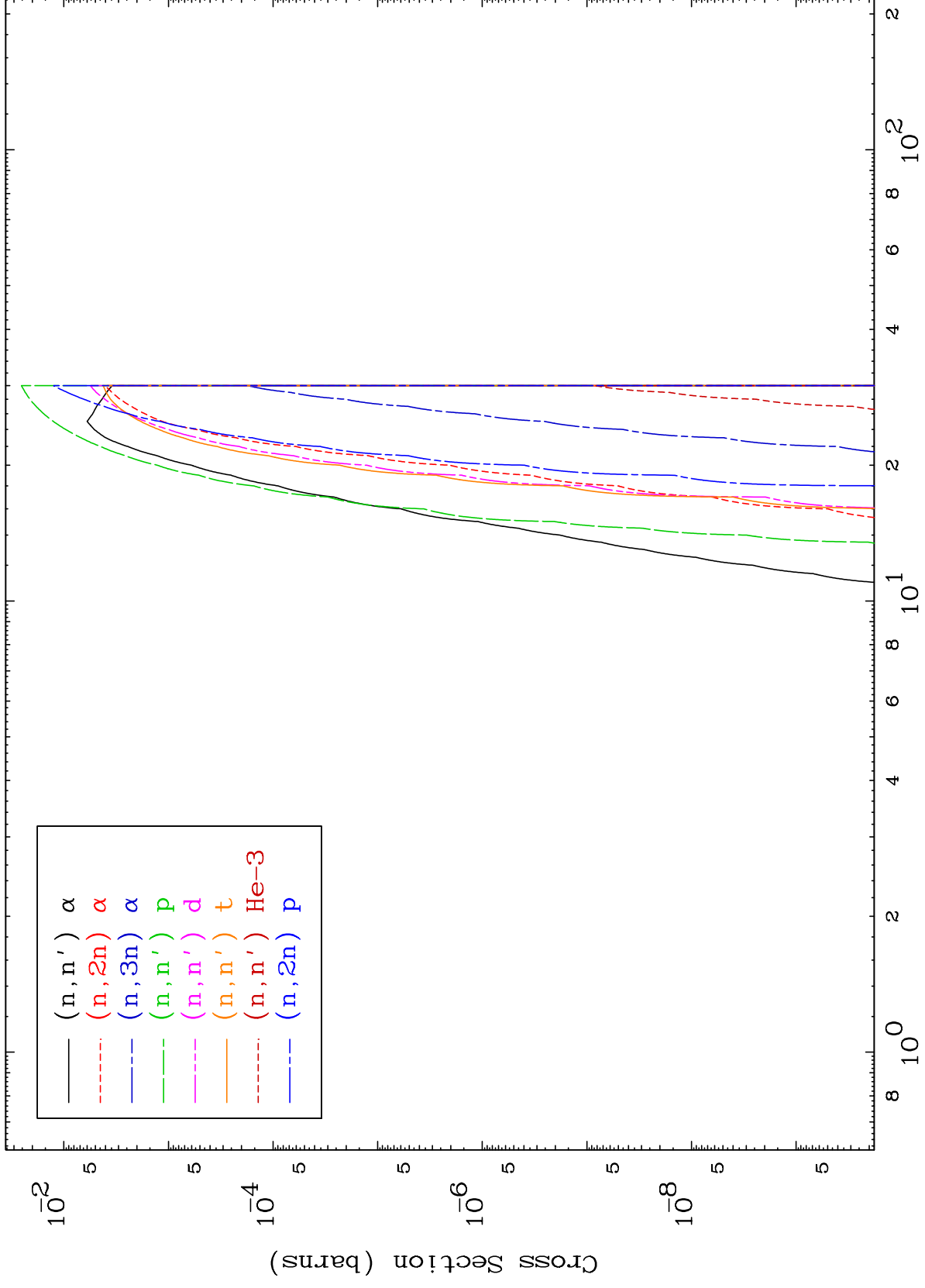
70-Yb-181



MAT 7064

Charged Particle
293 Kelvin Cross Sections

70-Yb-181



5

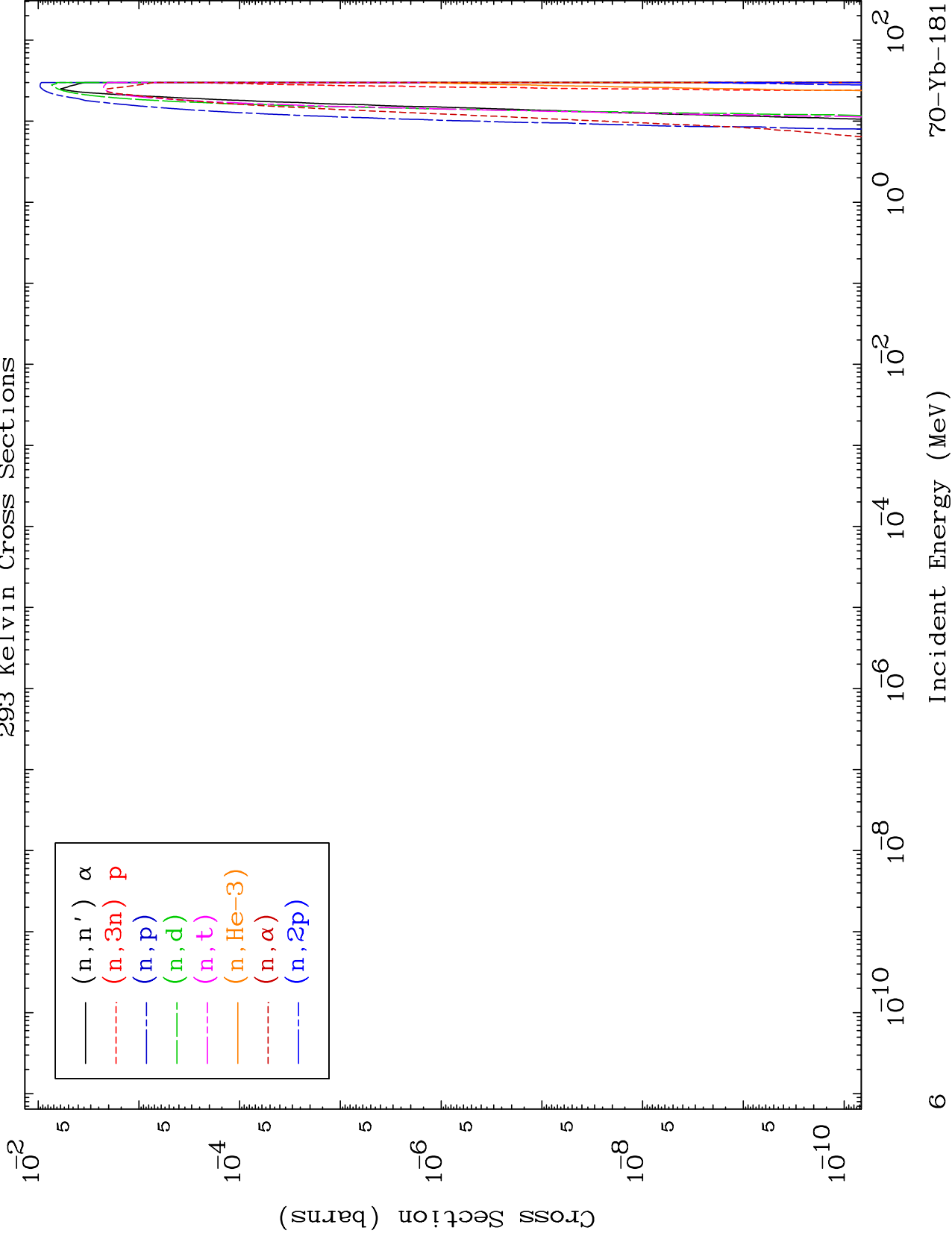
Incident Energy (MeV)

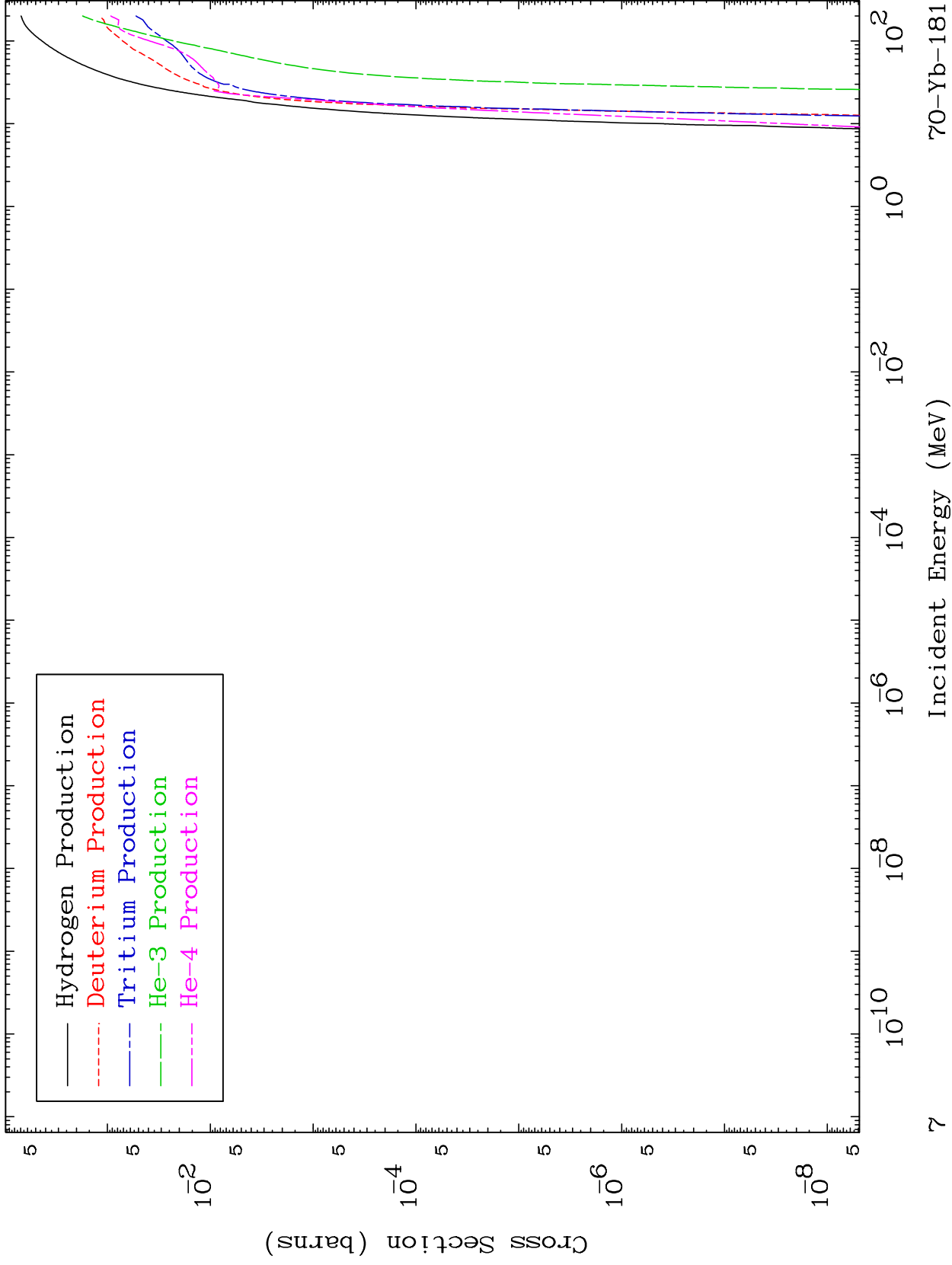
70-Yb-181

MAT 7064

Charged Particle
293 Kelvin Cross Sections

70-Yb-181



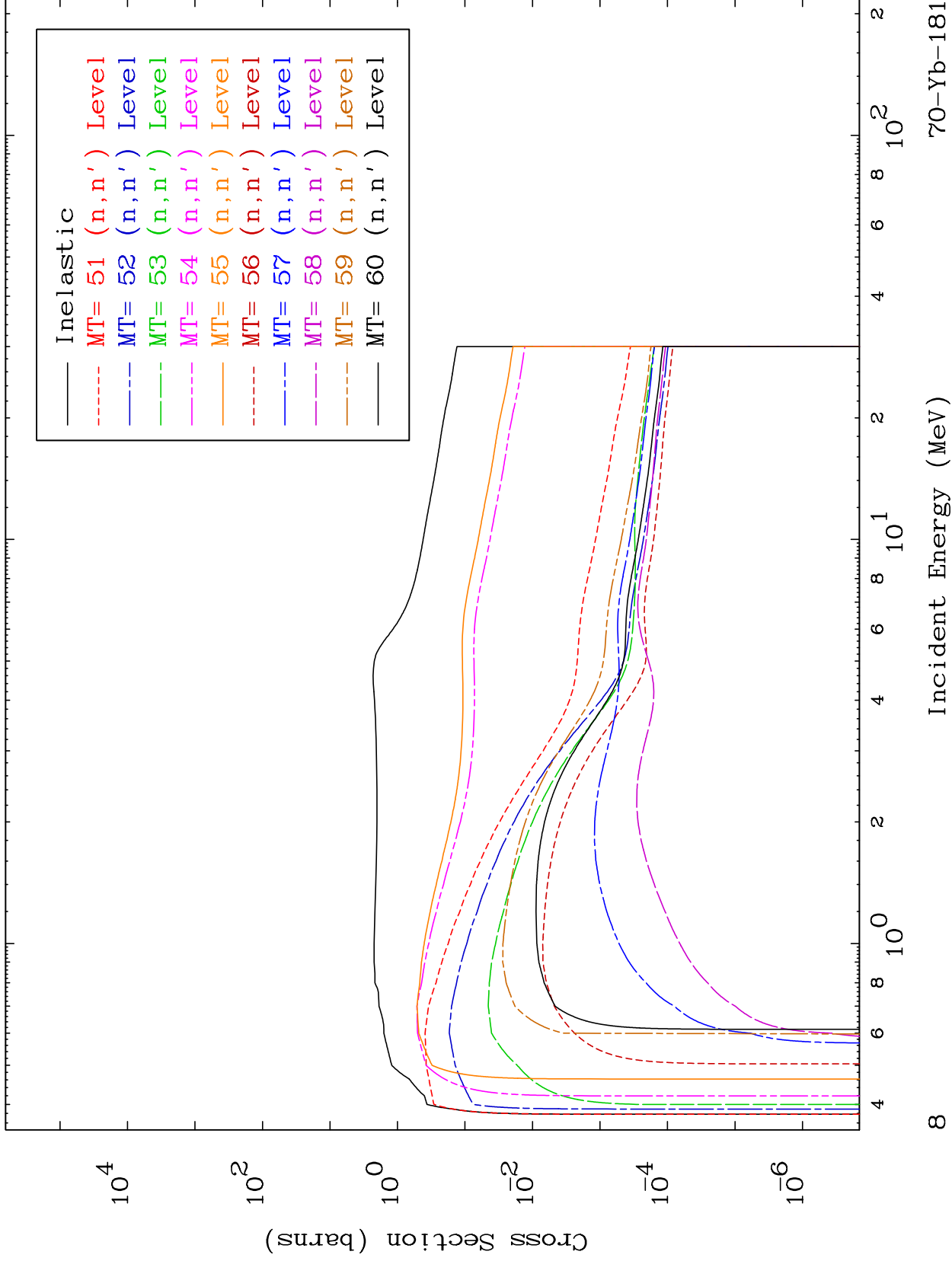


MAT 7064

(n,n') Levels

70-Yb-181

293 Kelvin Cross Sections



8

Incident Energy (MeV)

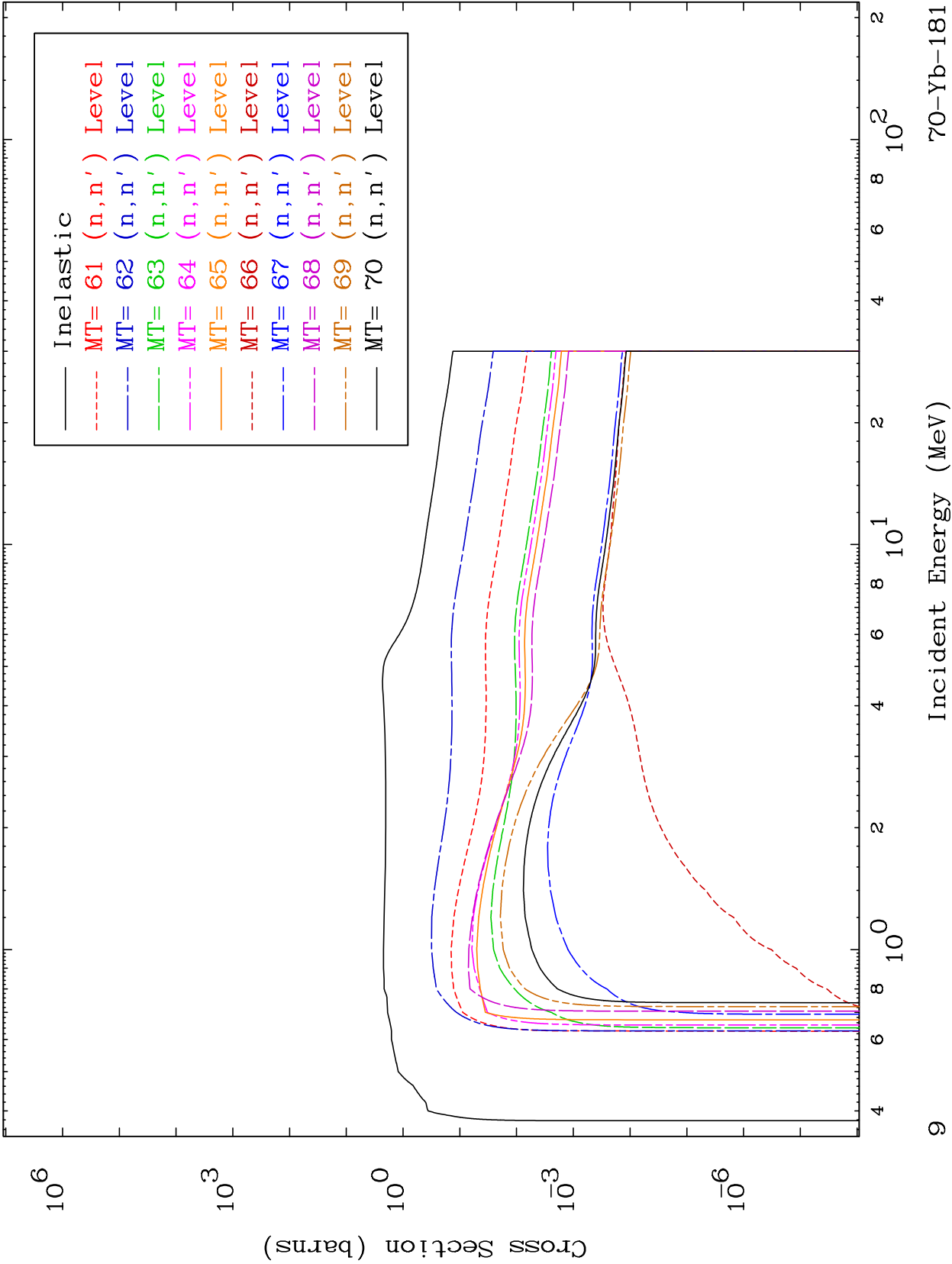
70-Yb-181

MAT 7064

(n,n') Levels

70-Yb-181

293 Kelvin Cross Sections

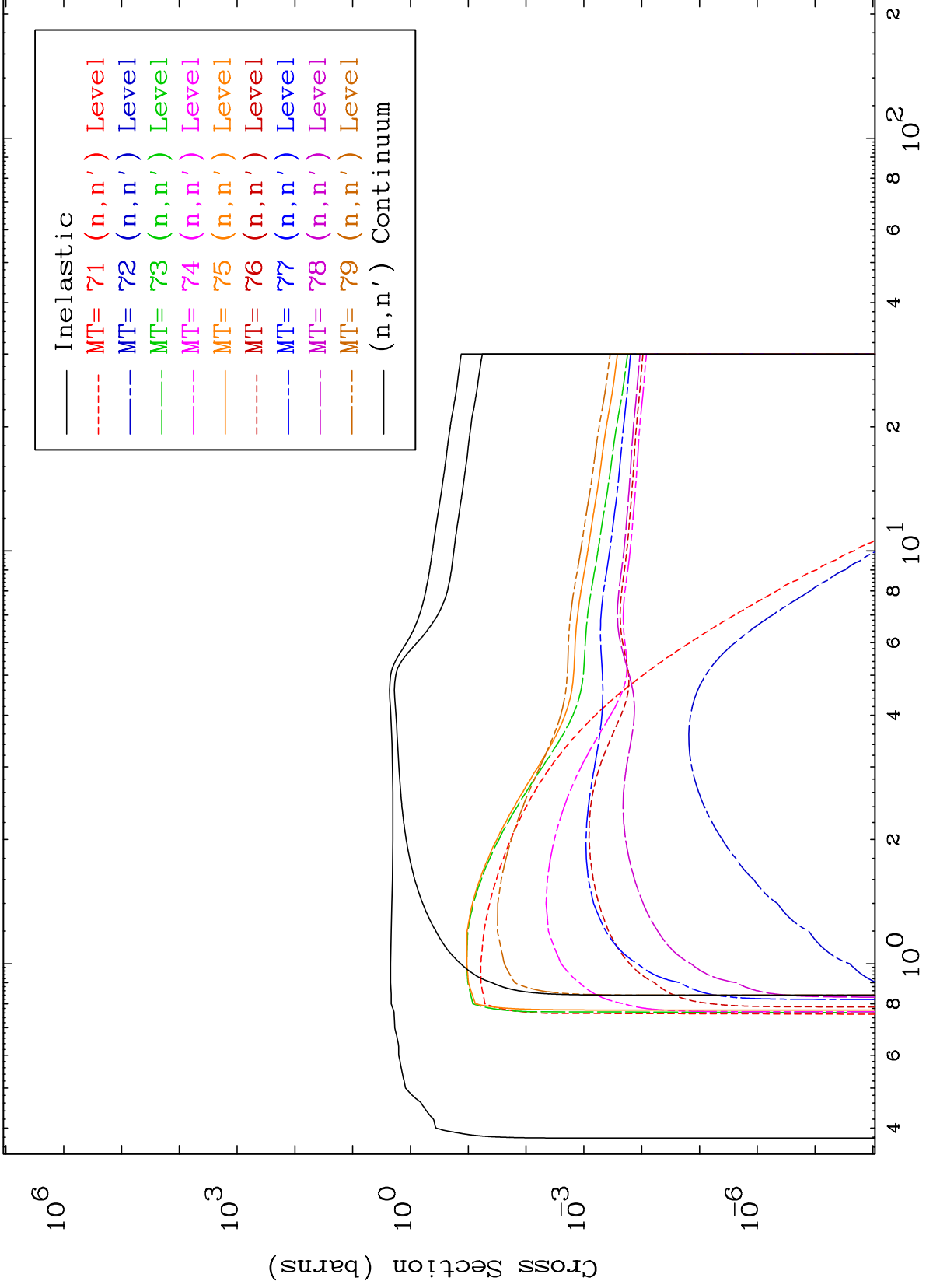


MAT 7064

(n,n') Levels

70-Yb-181

293 Kelvin Cross Sections



10

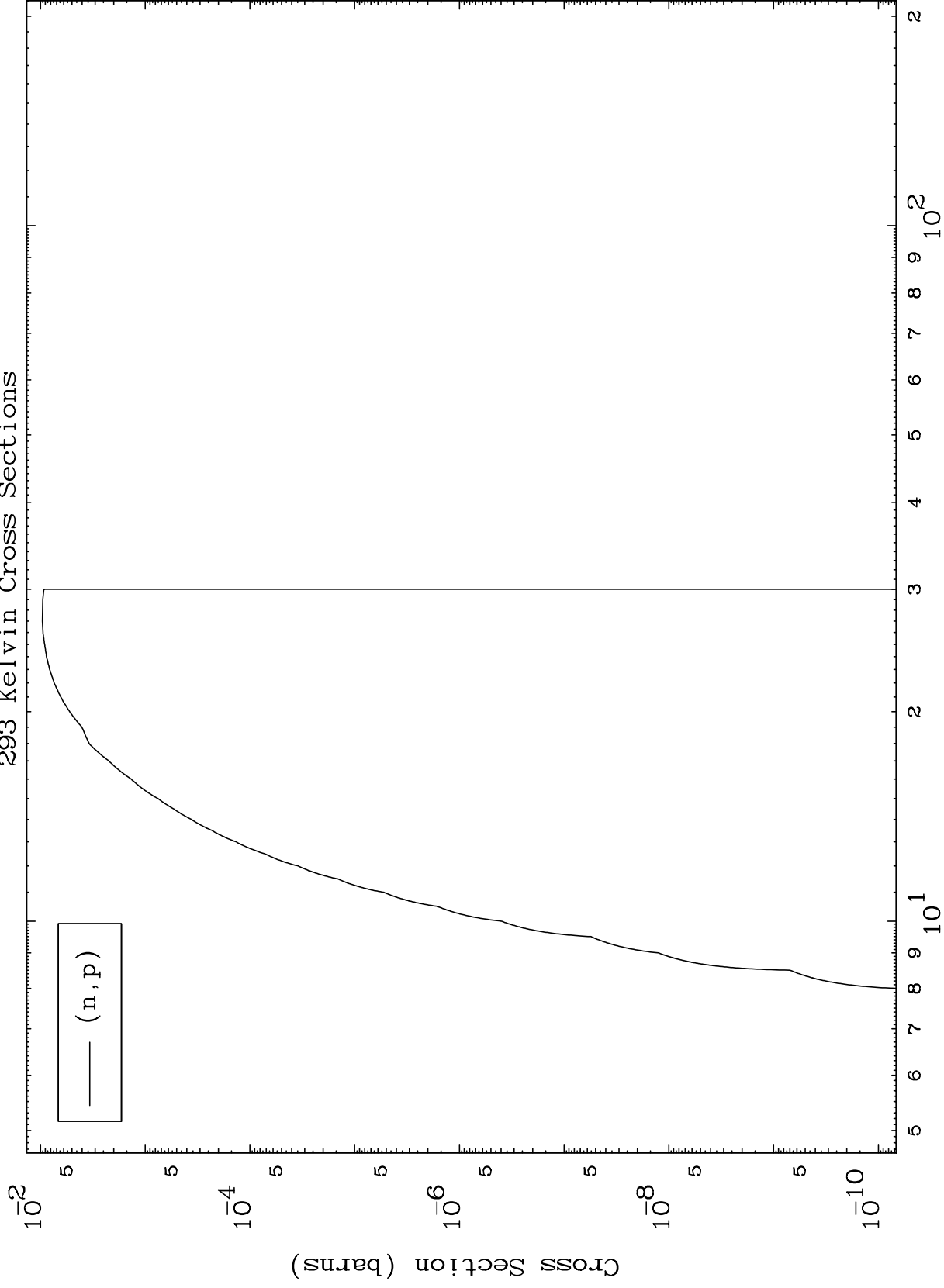
Incident Energy (MeV)

70-Yb-181

MAT 7064

(n,p) Levels
293 Kelvin Cross Sections

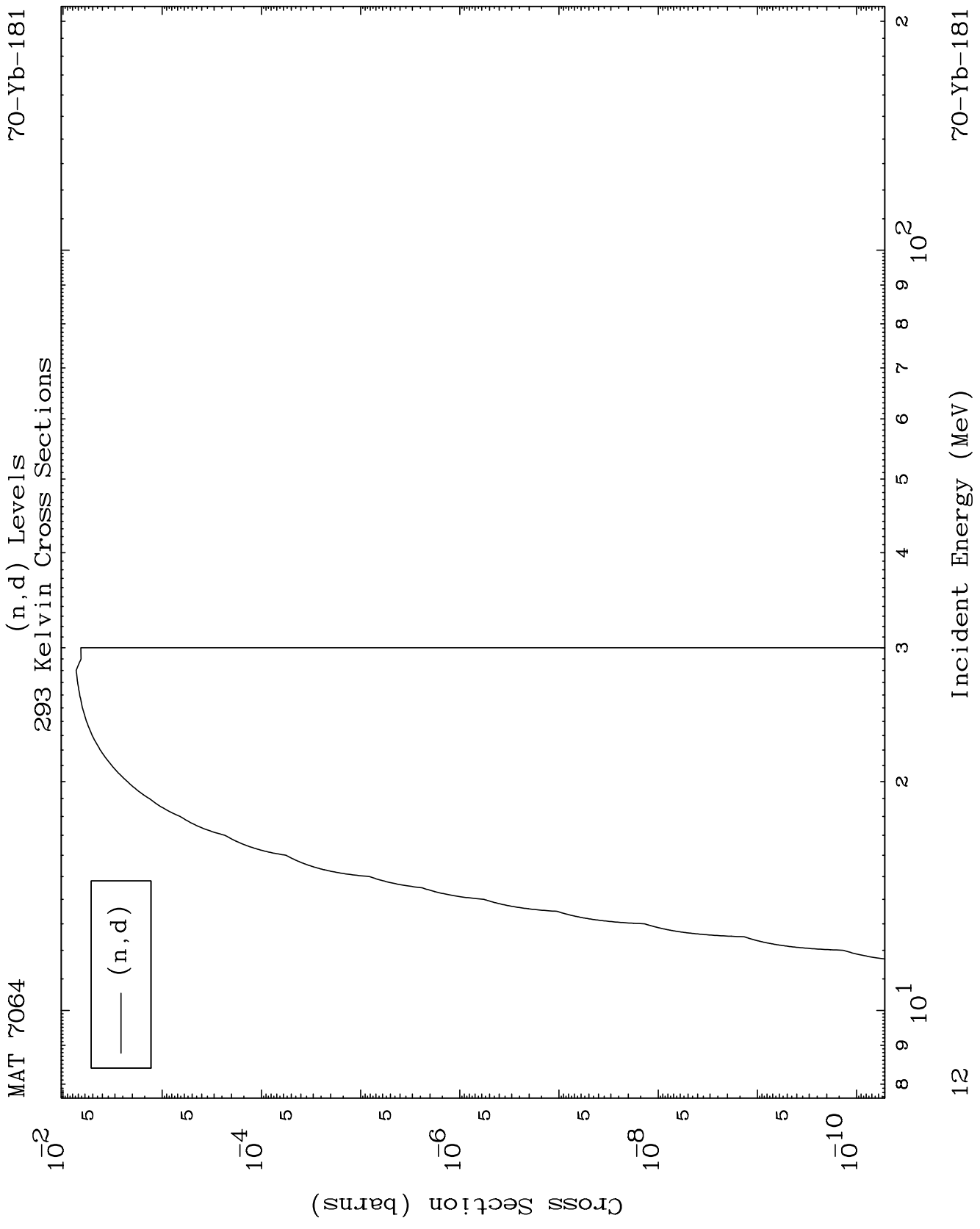
70-Yb-181



11

Incident Energy (MeV)

70-Yb-181



10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

5

5

5

5

5

5

5

5

5

(n, d)

8 9 10 1

2

4

5

6

7

8

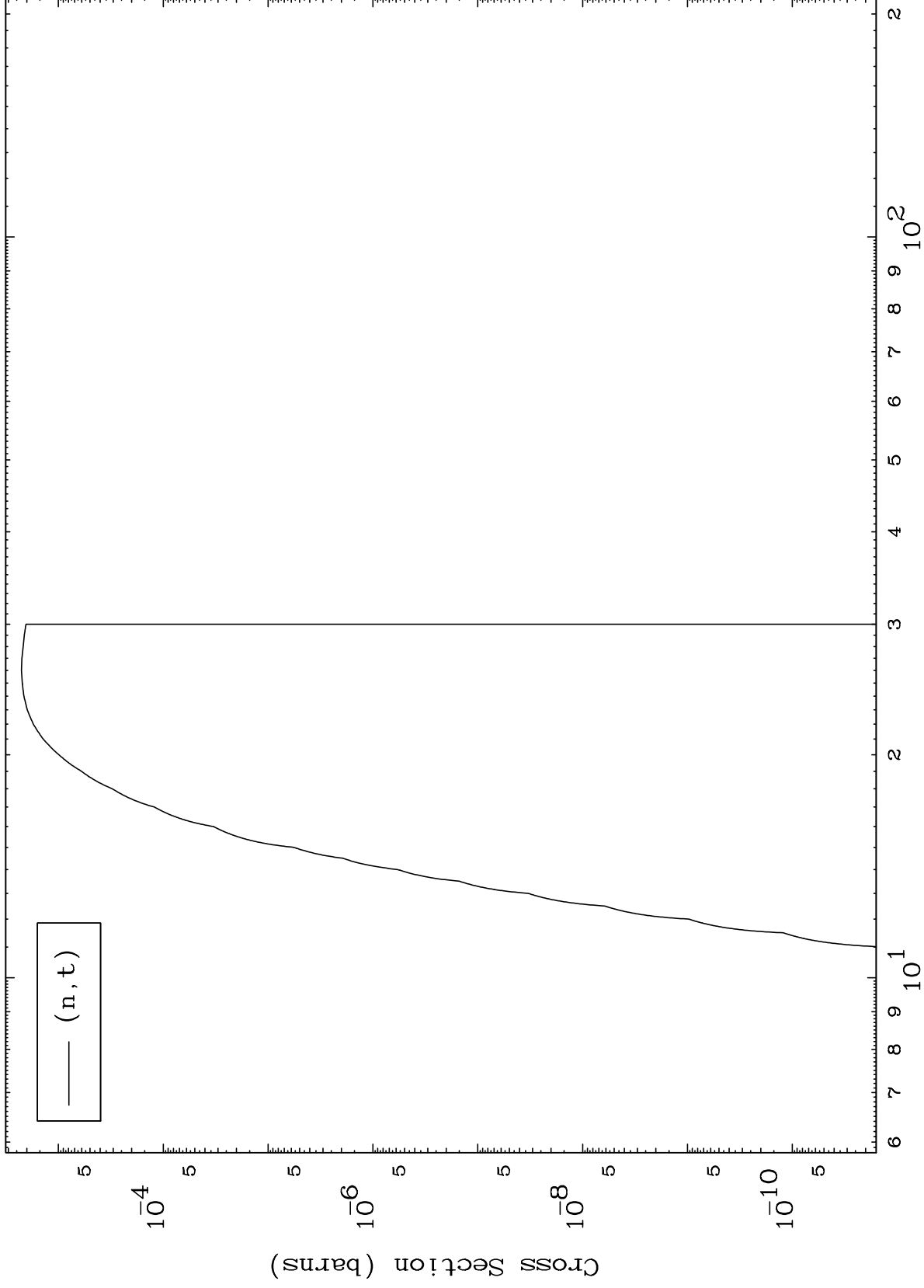
9 10 2

2

MAT 7064

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-181



13

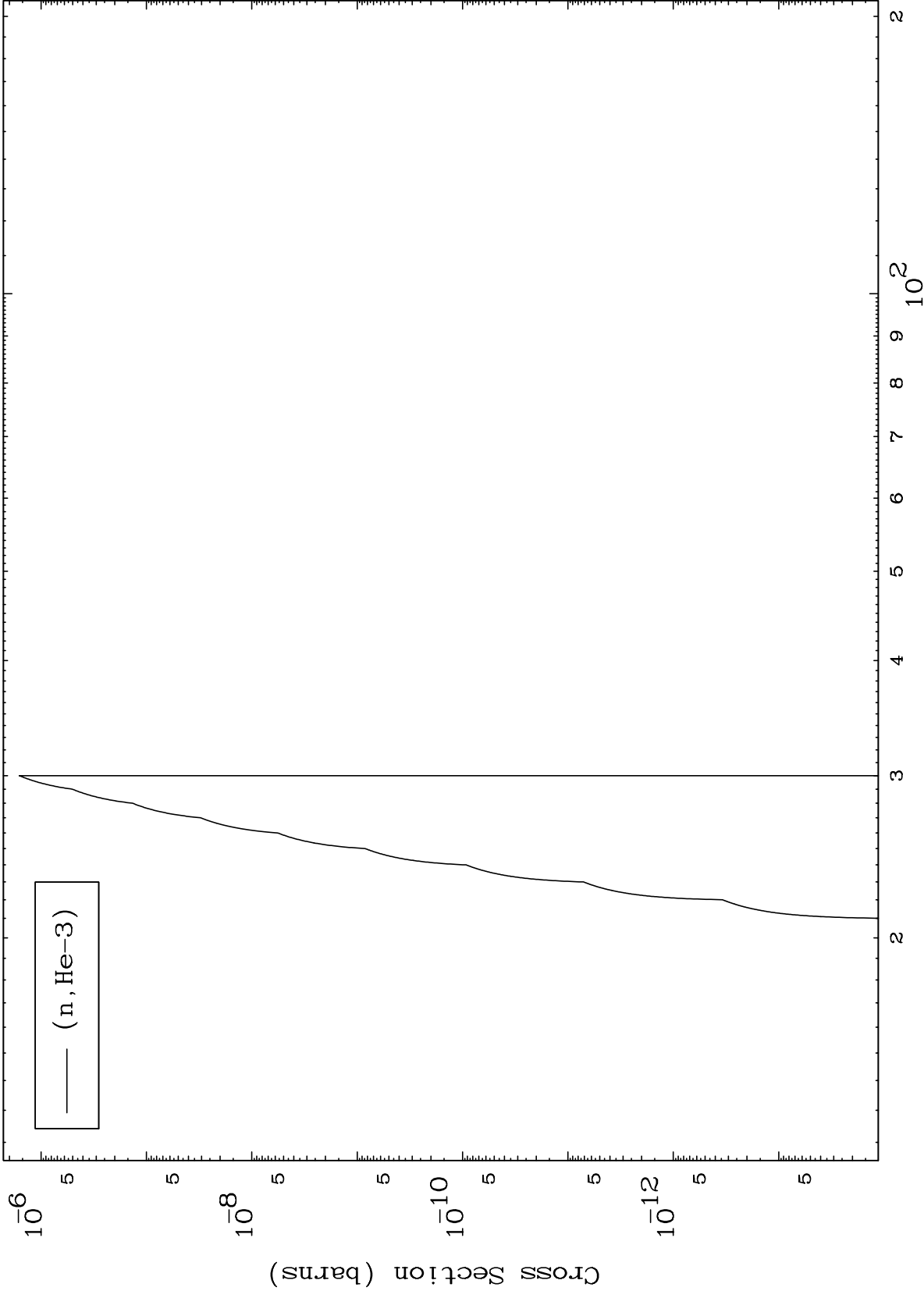
Incident Energy (MeV)

70-Yb-181

MAT 7064

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-181



14

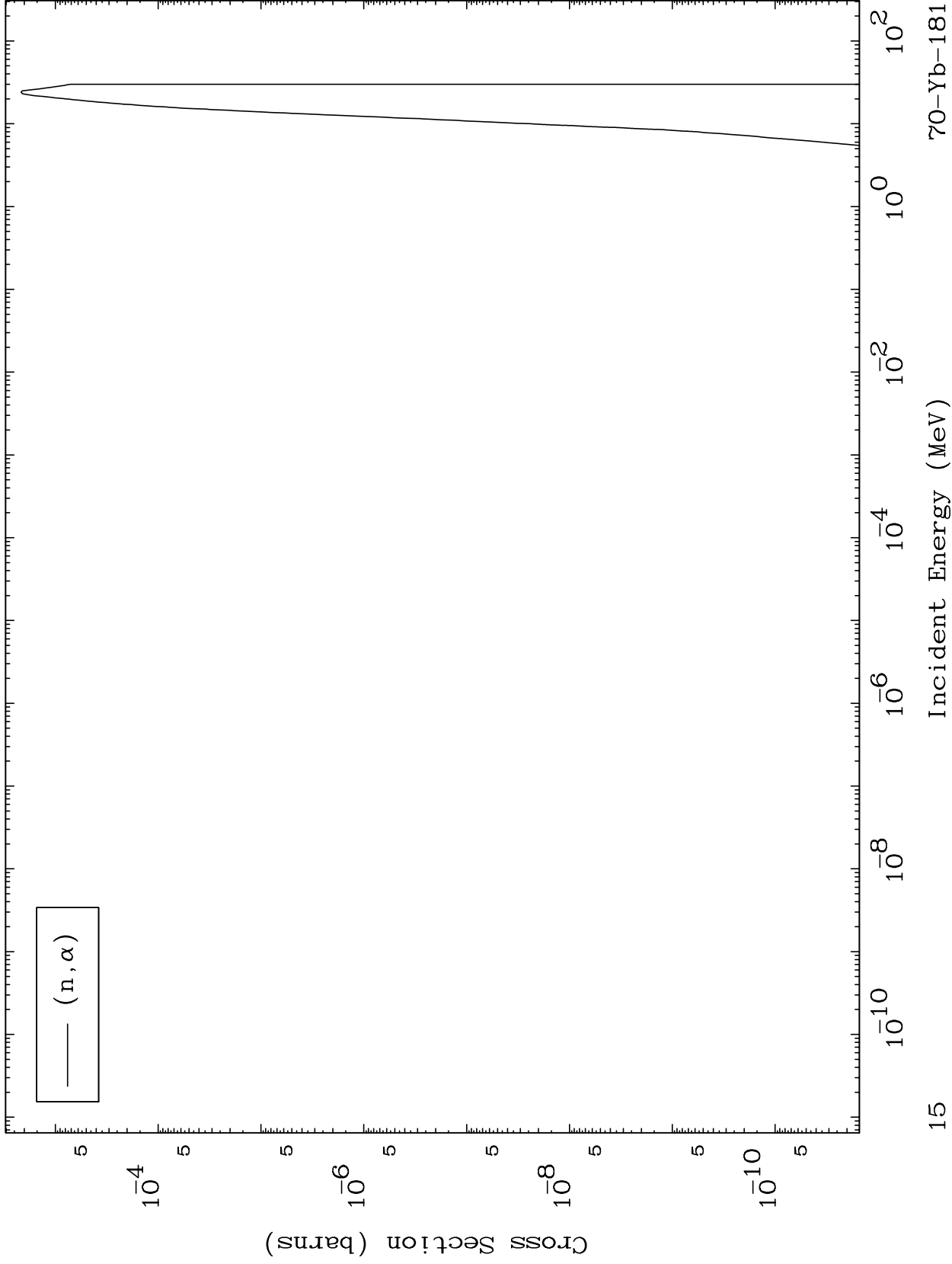
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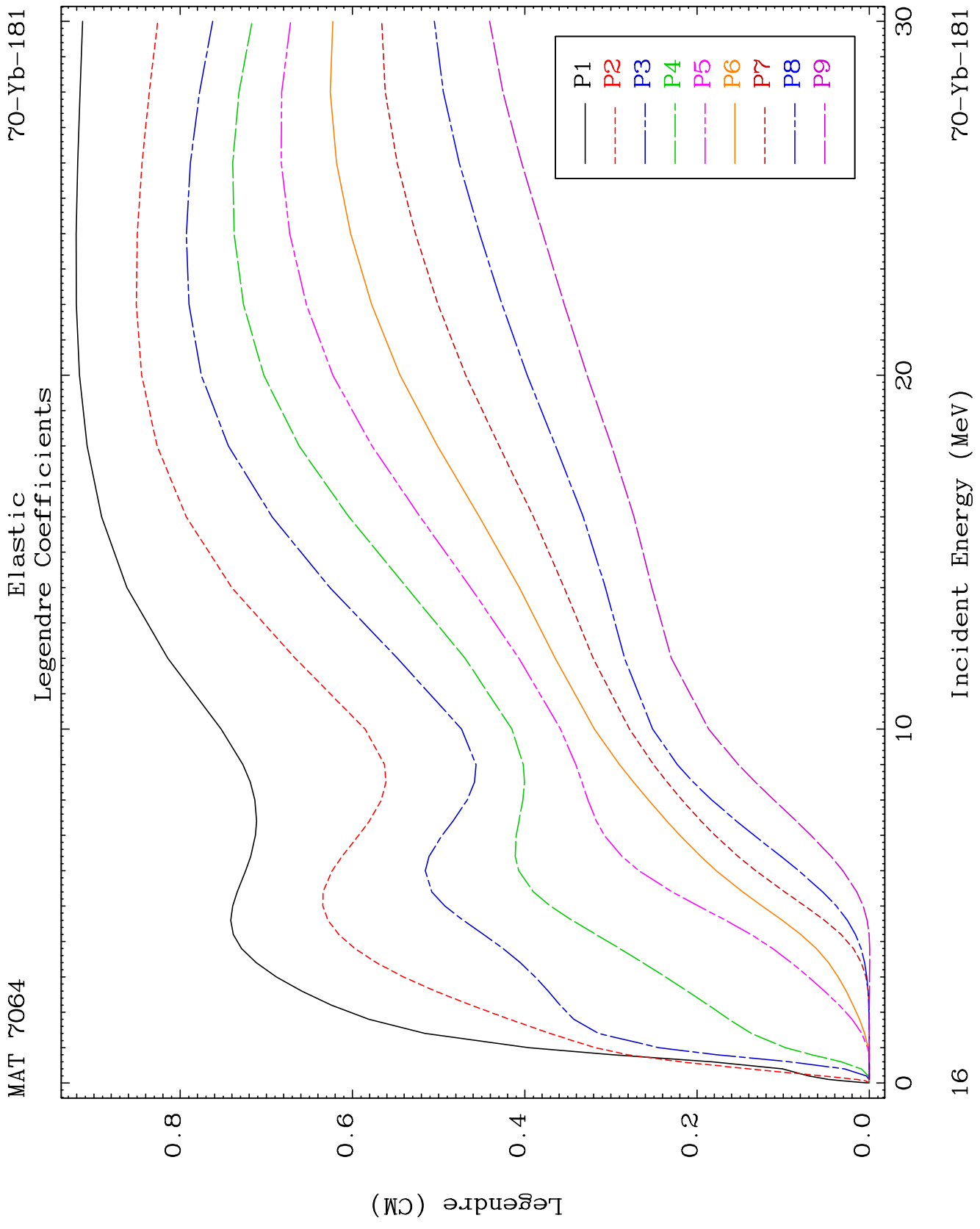
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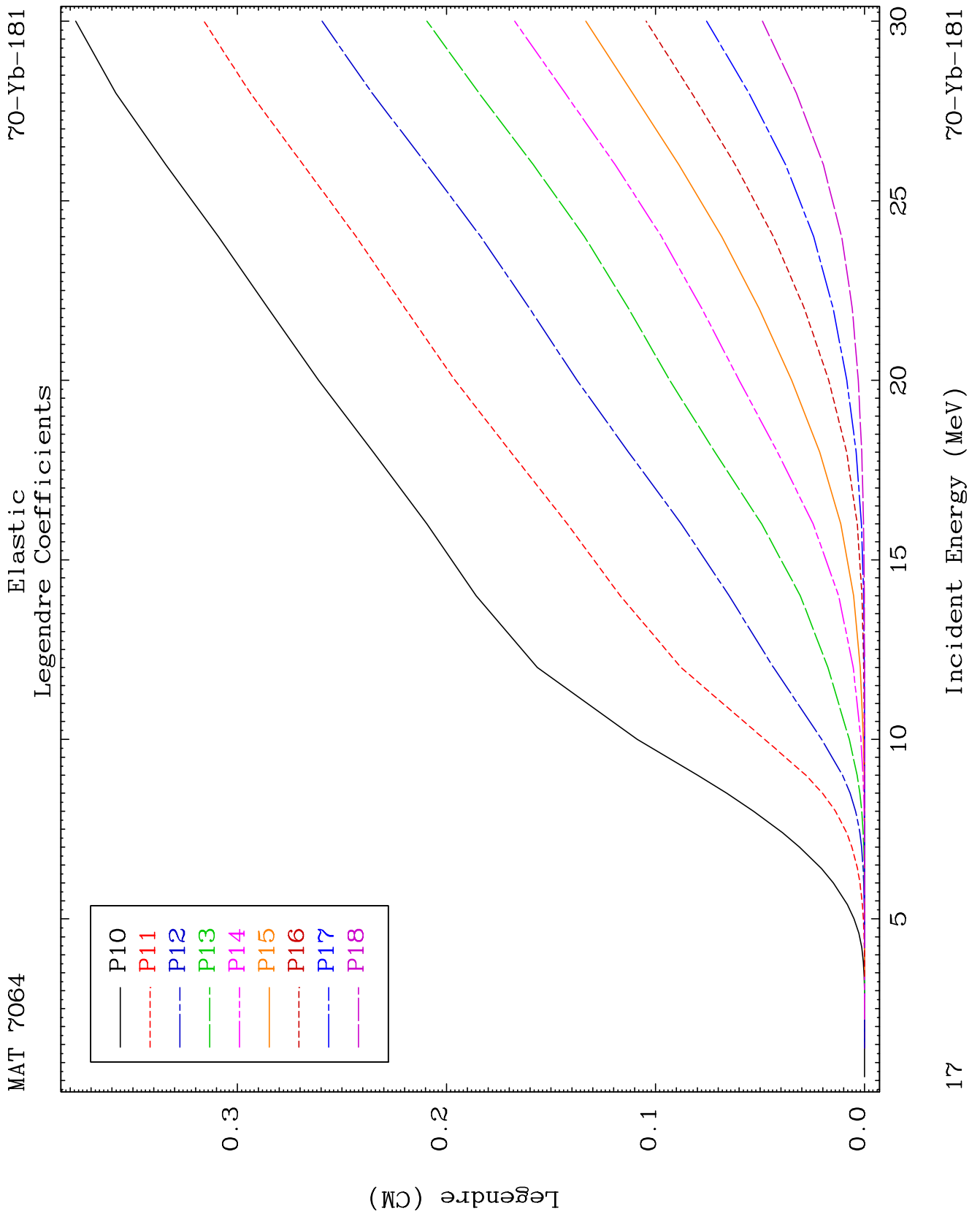
MAT 7064

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-181



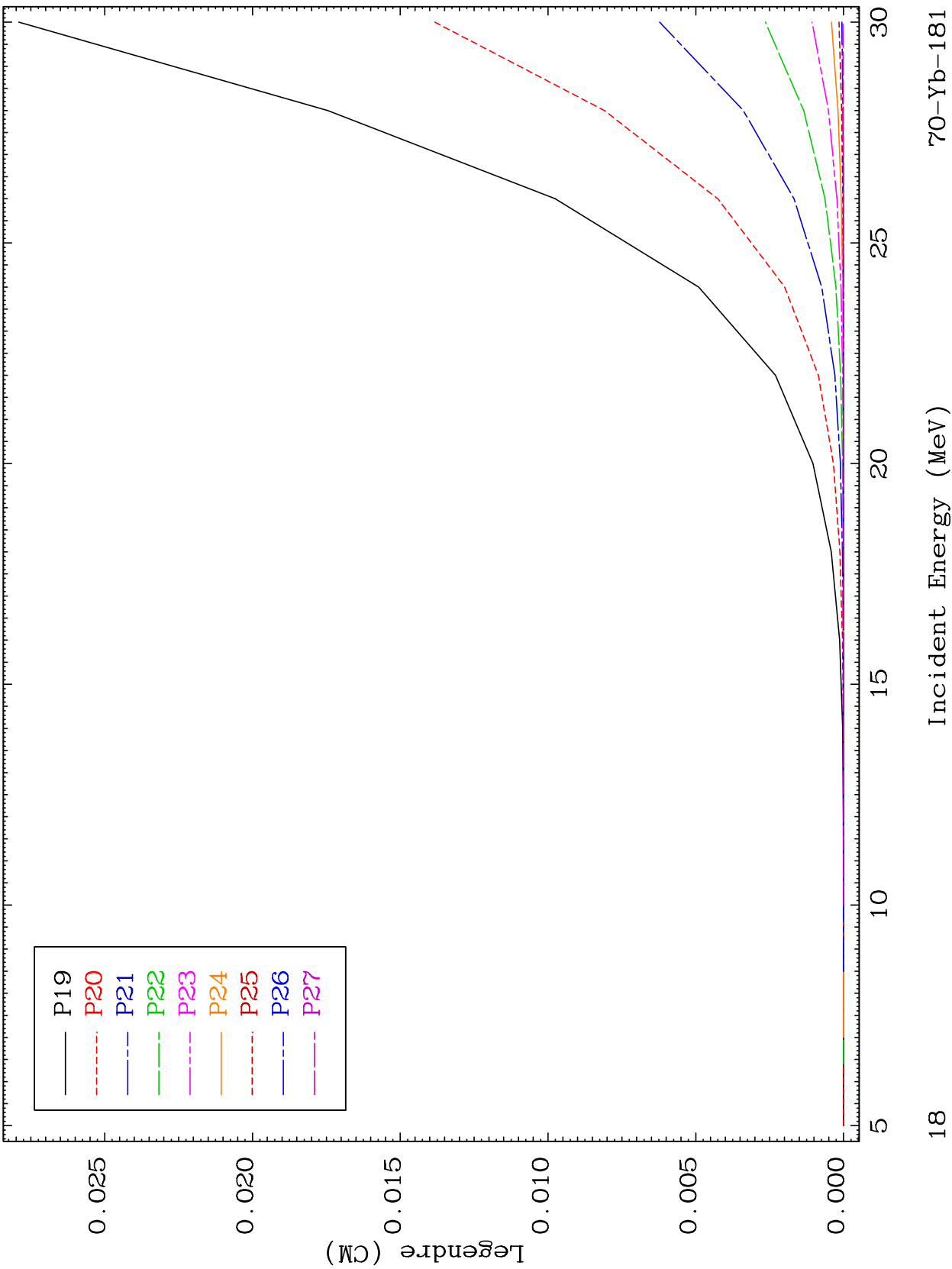




MAT 7064

Elastic Legendre Coefficients

70-Yb-181



70-Yb-181

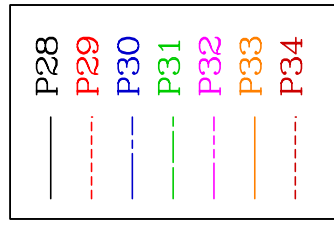
Incident Energy (MeV)

18

MAT 7064

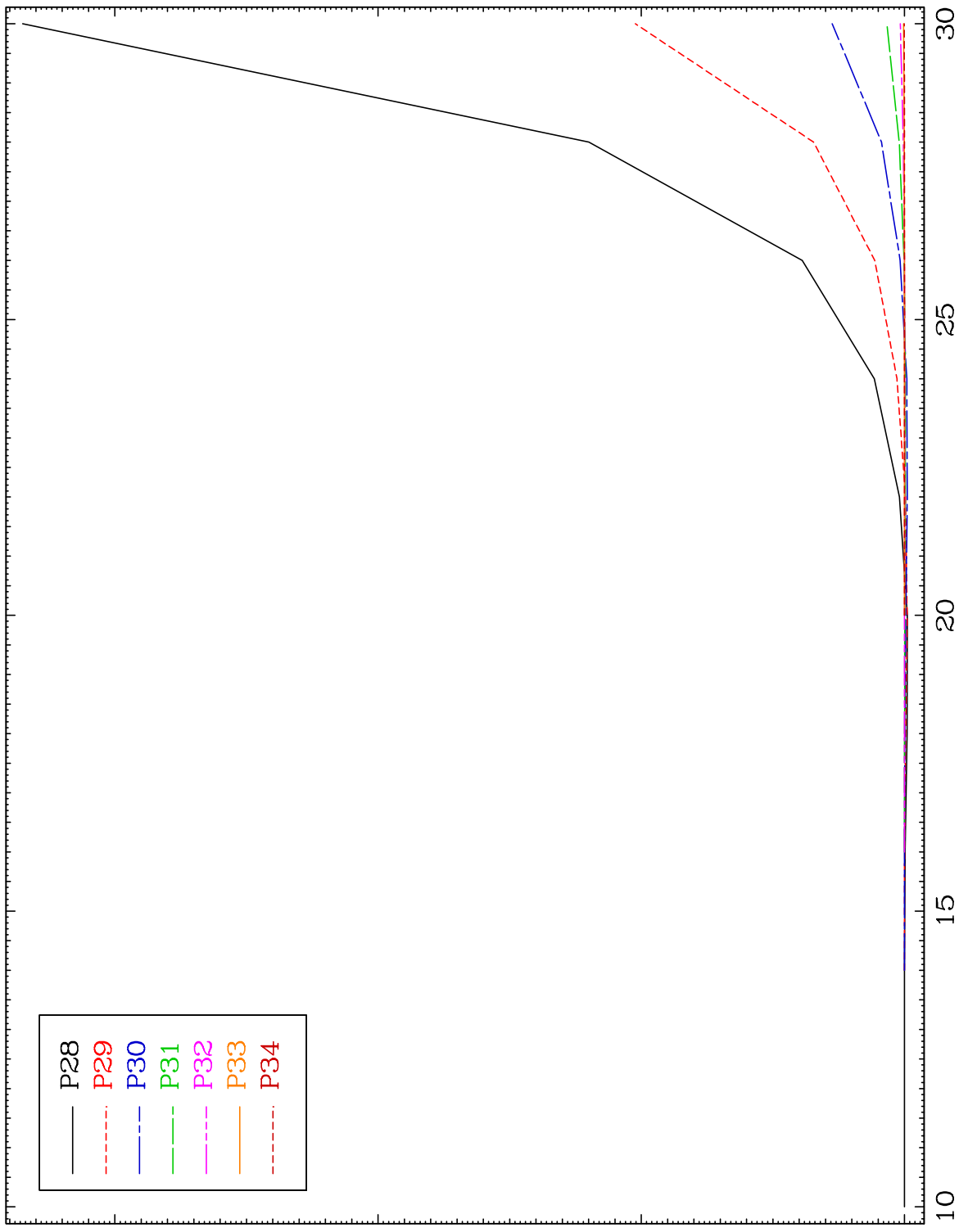
Elastic
Legendre Coefficients

70-Yb-181



$\times 10^{-6}$

Legendre (CM)



10

15

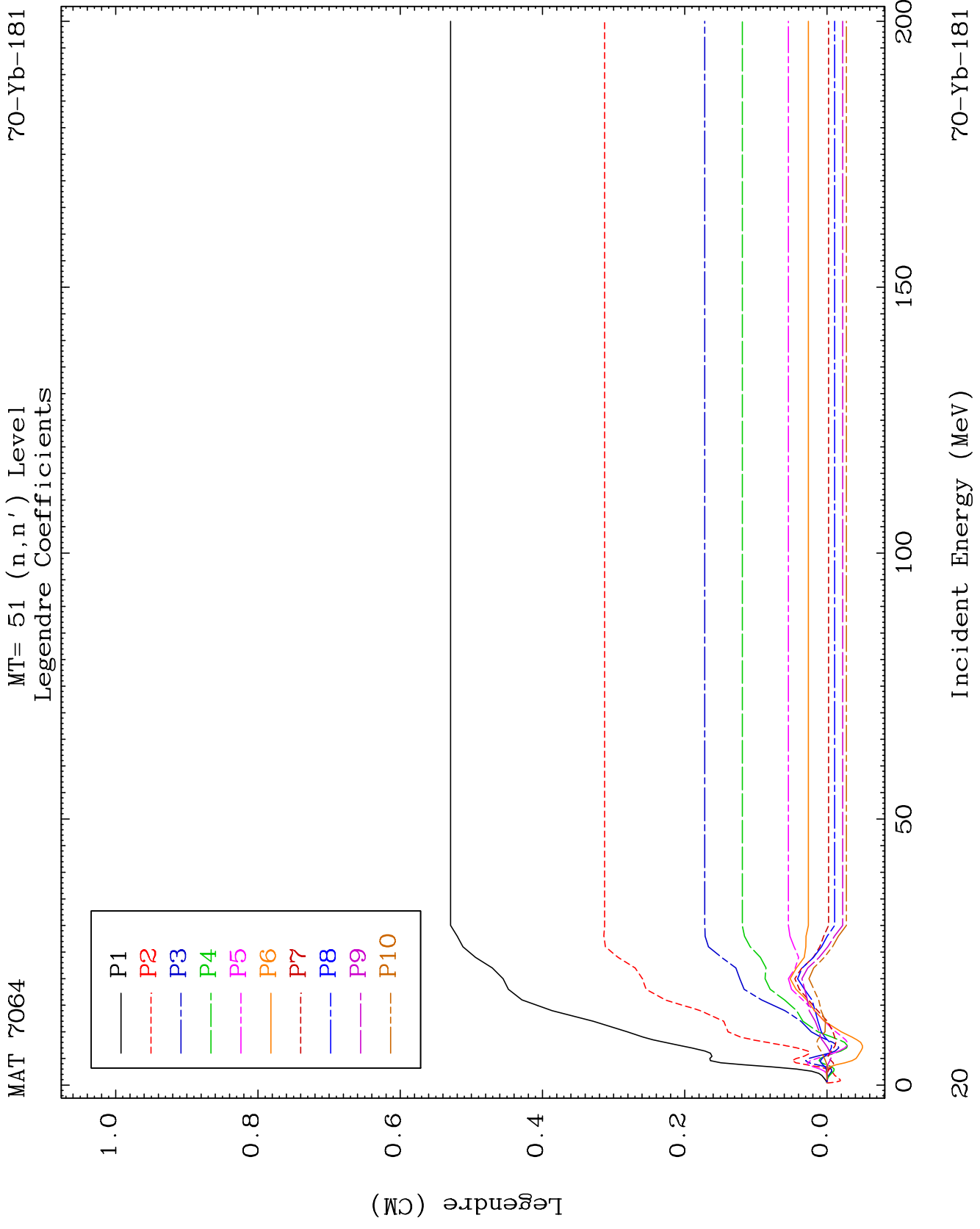
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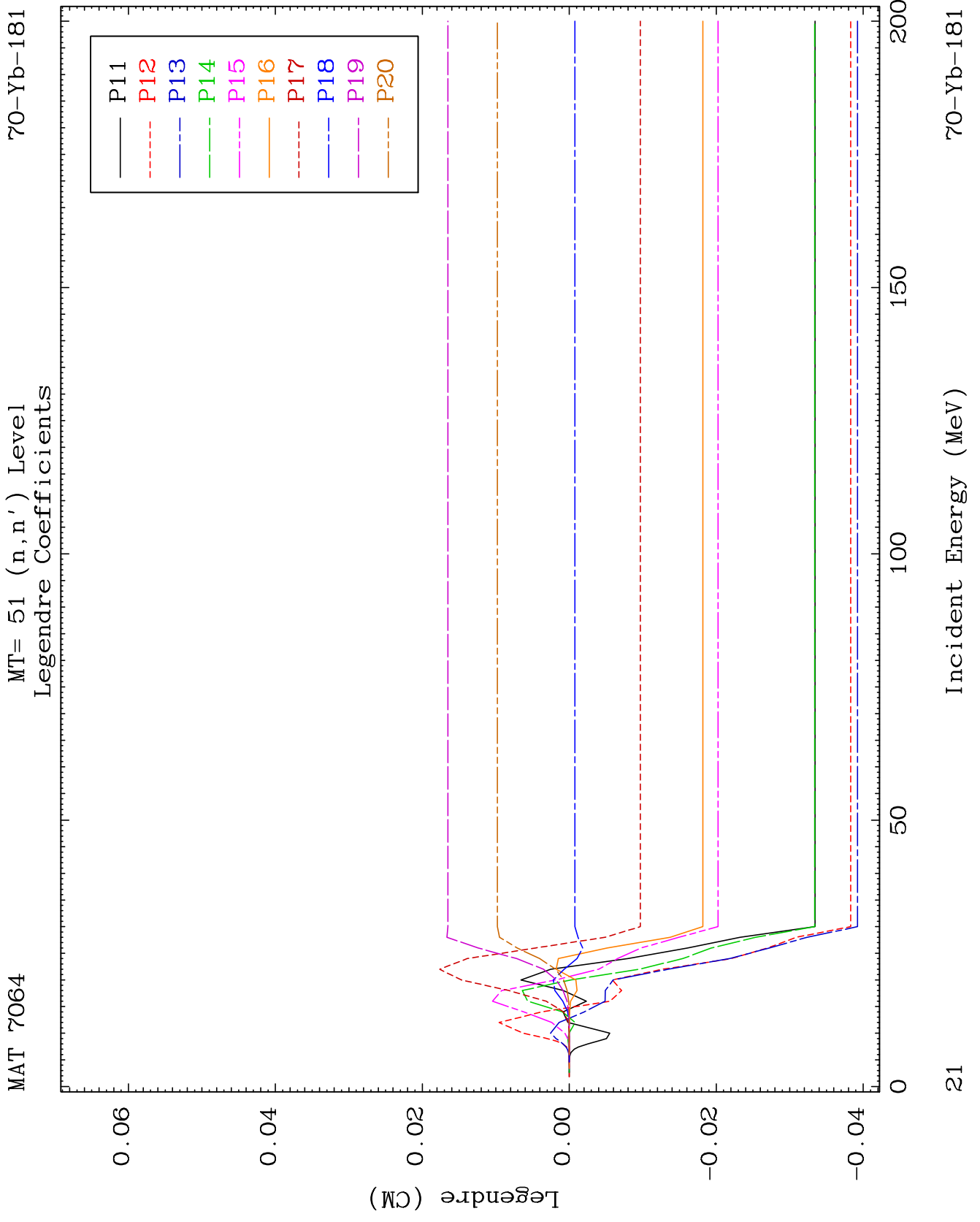
25

30

Incident Energy (MeV)

70-Yb-181

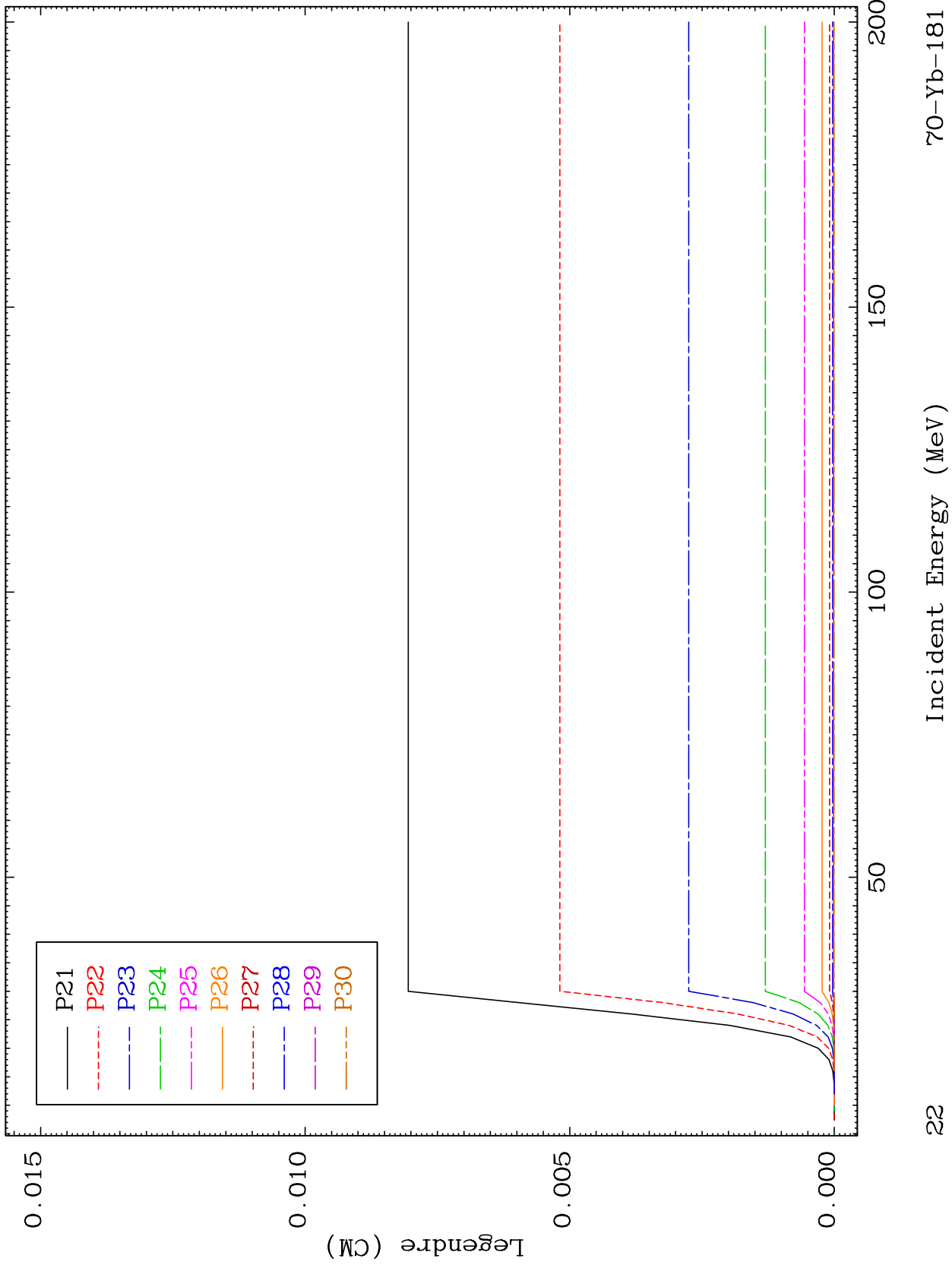




MAT 7064

MT= 51 (n,n') Level
Legendre Coefficients

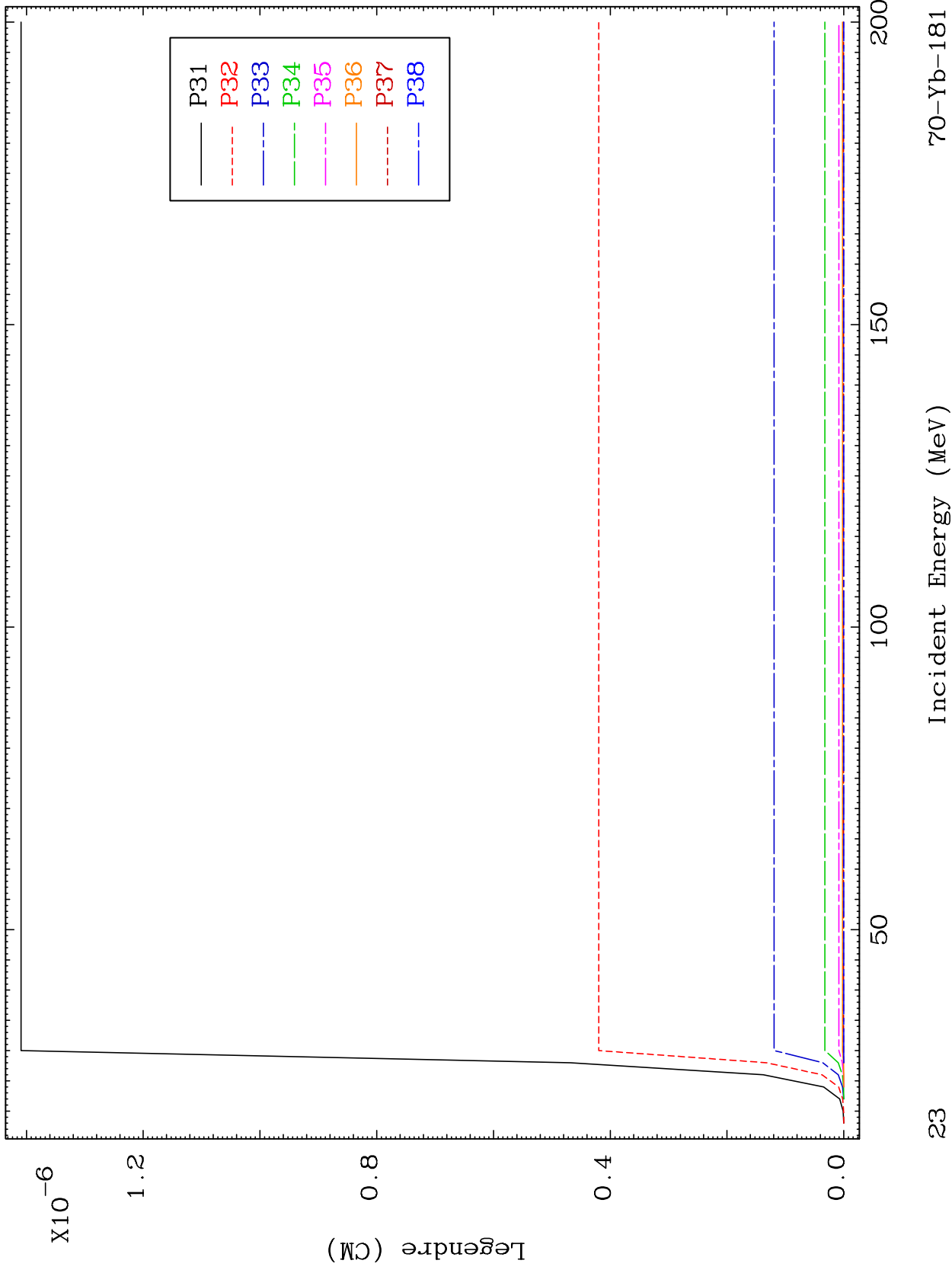
70-Yb-181



MAT 7064

MT= 51 (n,n') Level
Legendre Coefficients

70-Yb-181

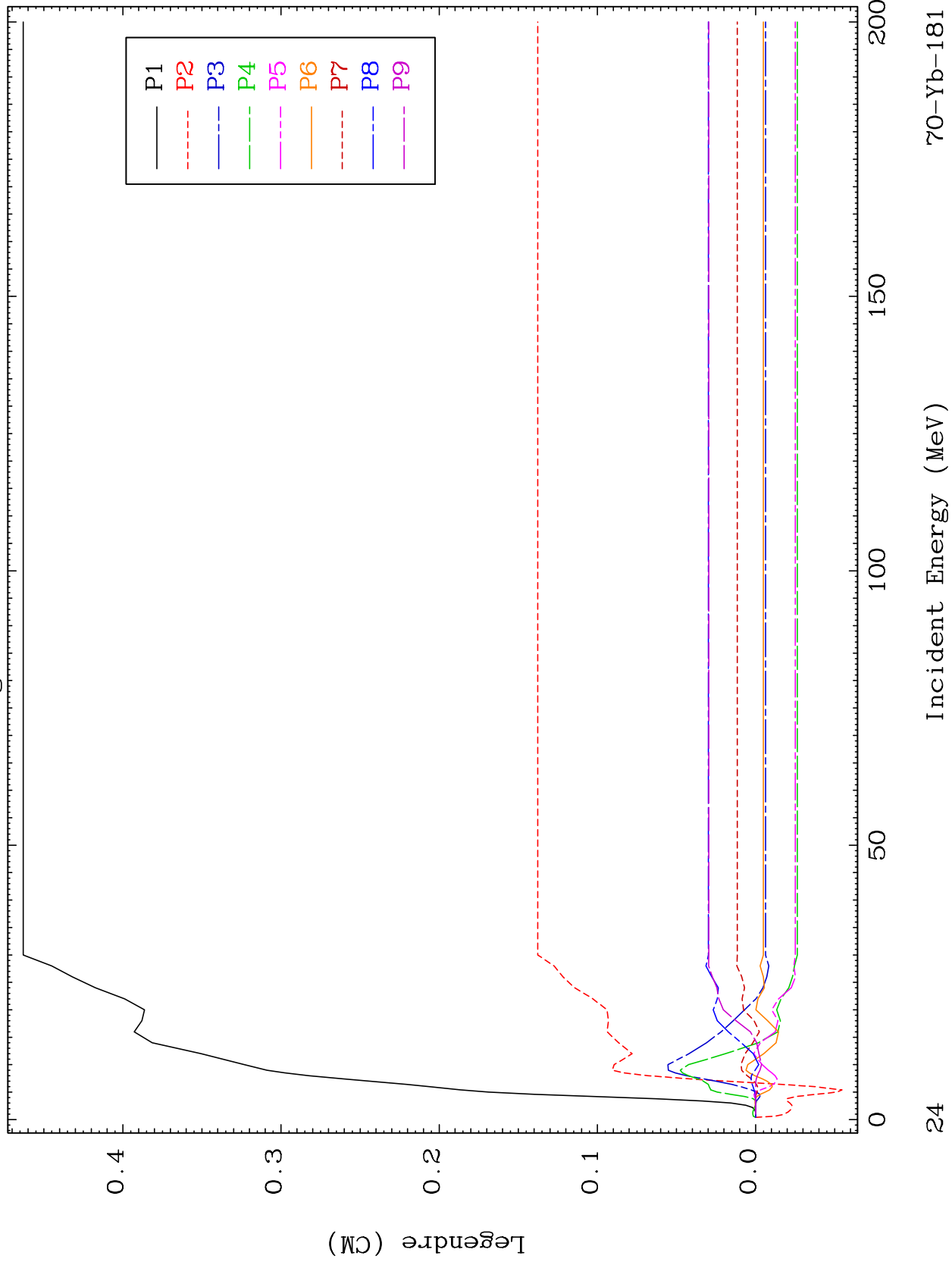


23

MAT 7064

MT= 52 (n,n') Level
Legendre Coefficients

70-Yb-181



24

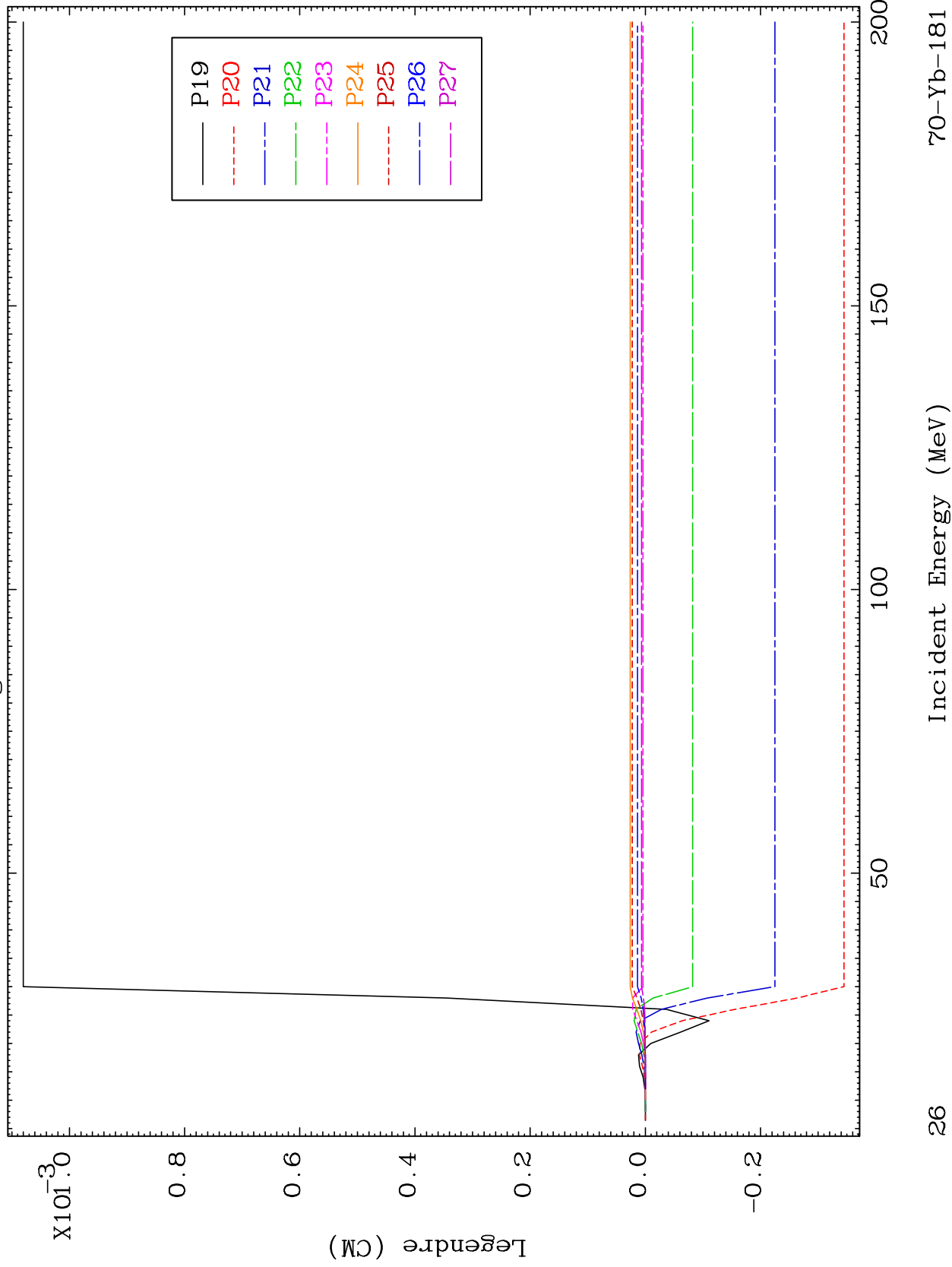
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 52 (n,n') Level
Legendre Coefficients

70-Yb-181



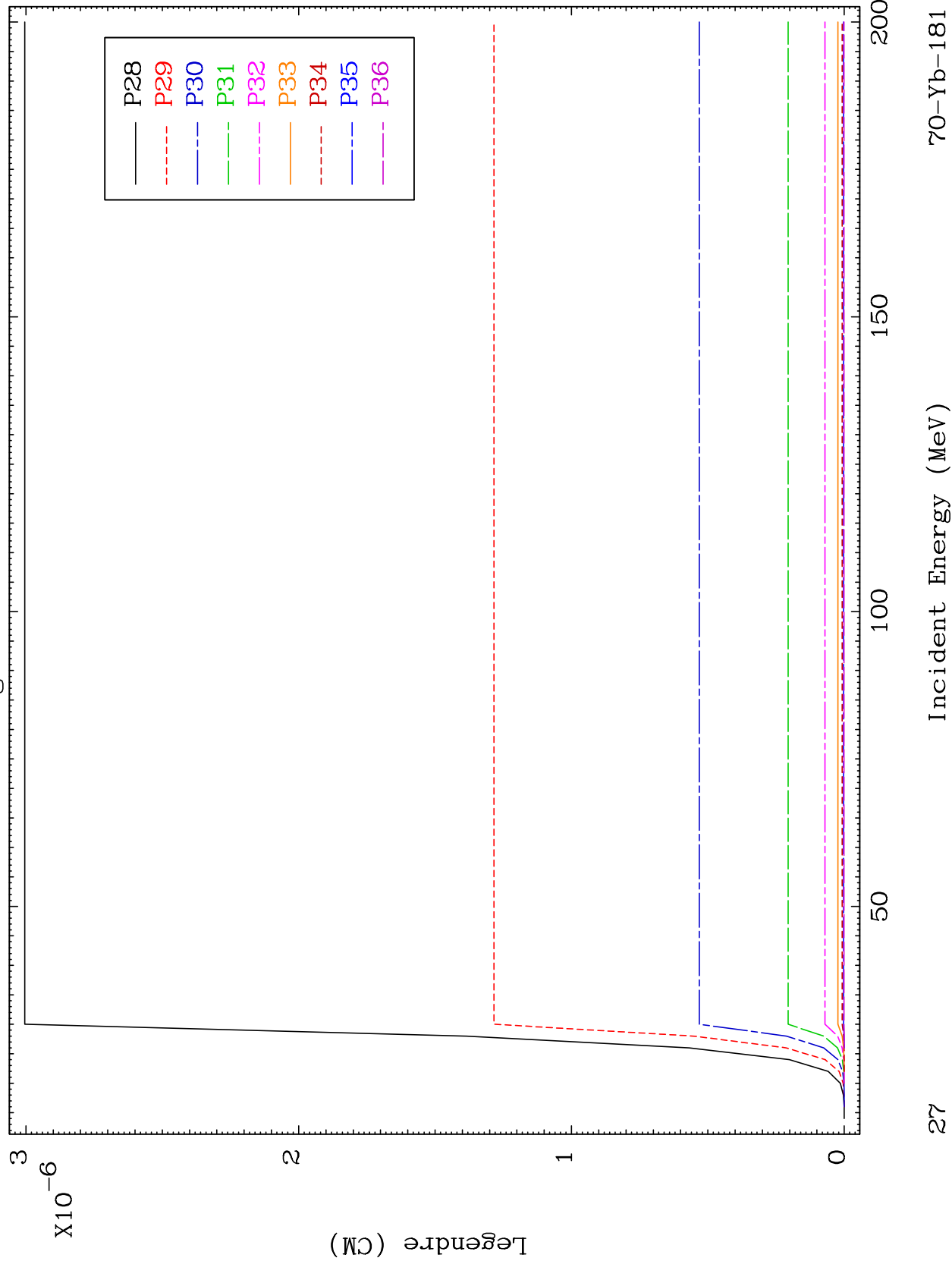
26

70-Yb-181

MAT 7064

MT= 52 (n,n') Level
Legendre Coefficients

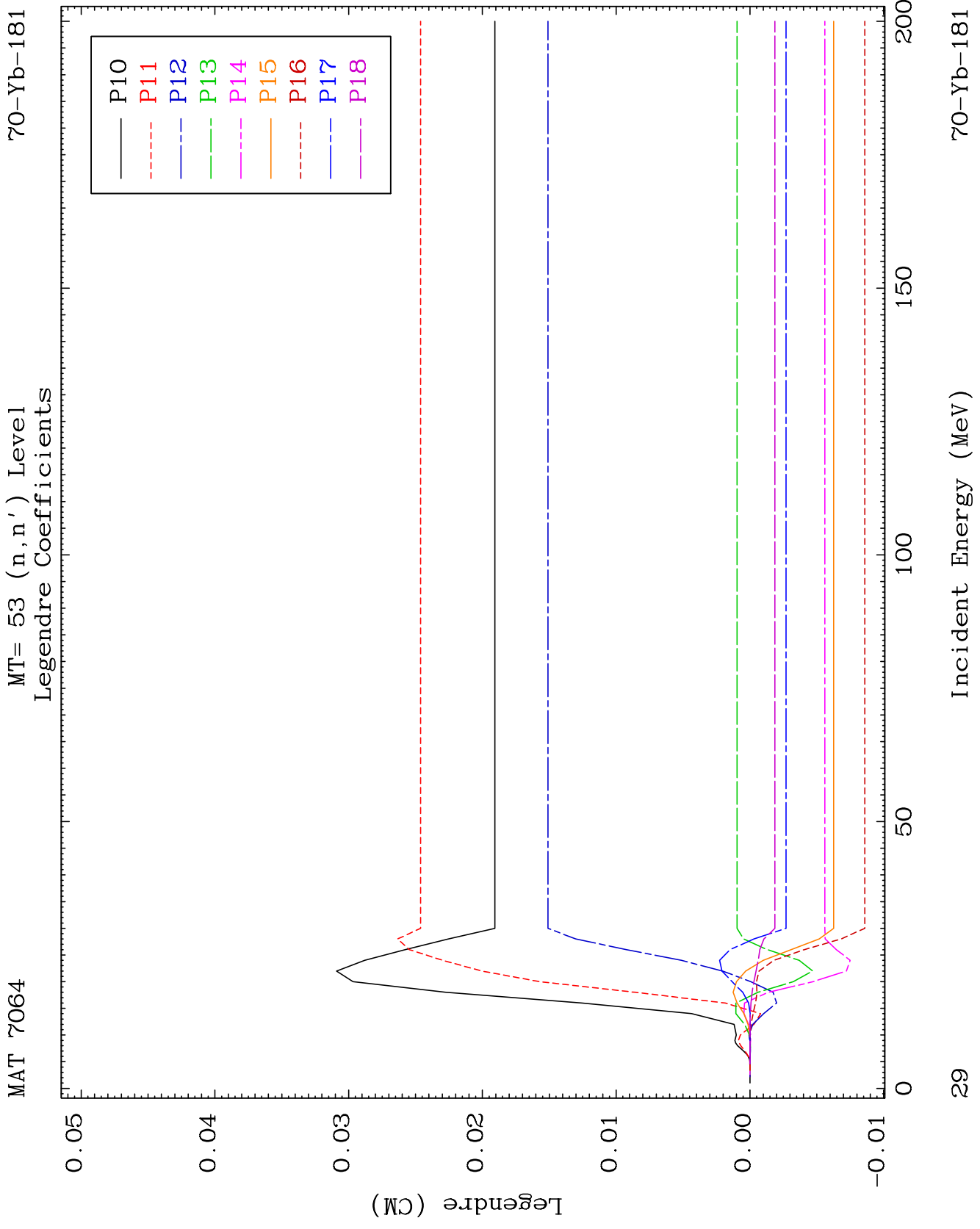
70-Yb-181



27

Incident Energy (MeV)

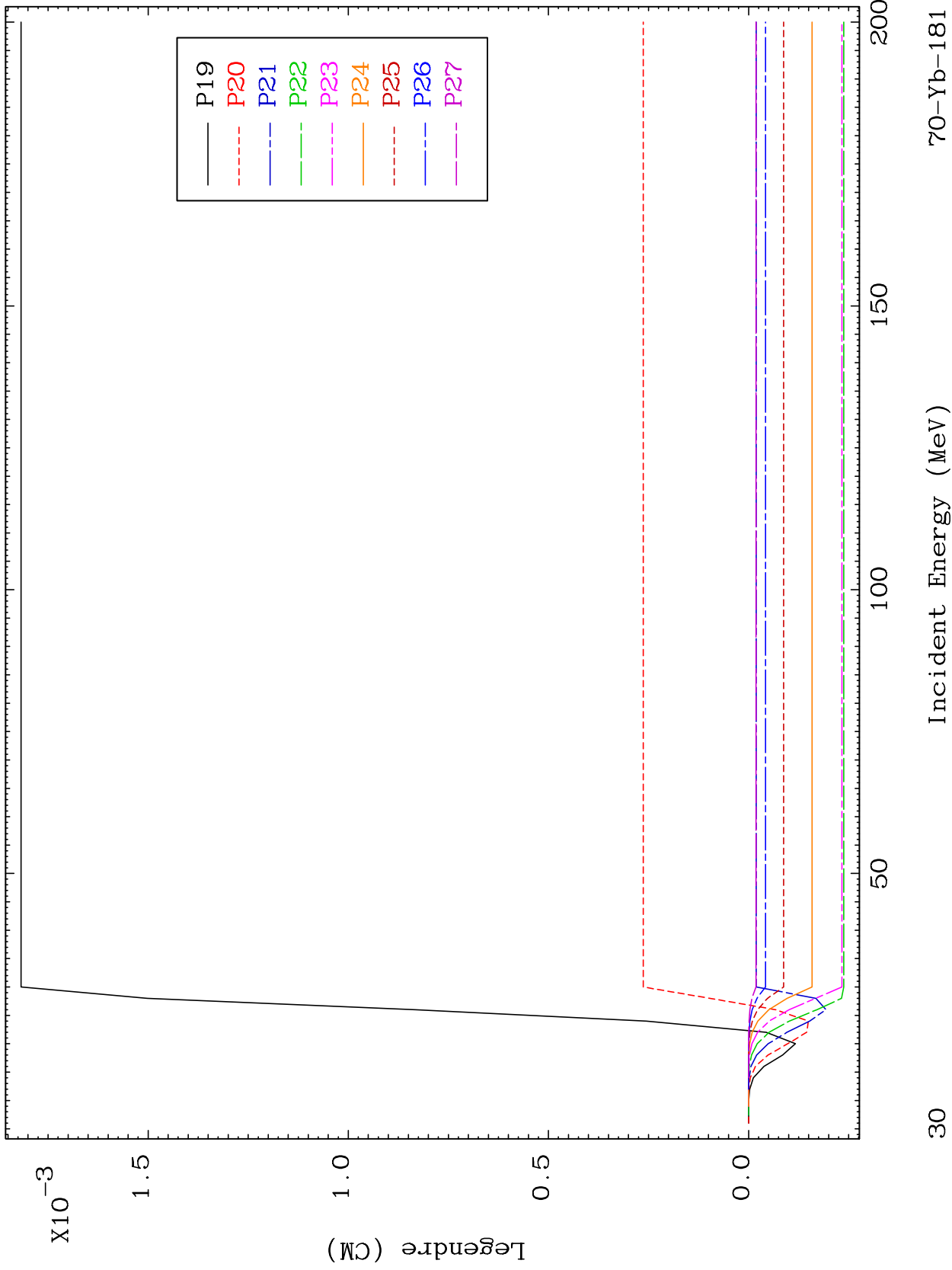
70-Yb-181



MAT 7064

MT= 53 (n,n') Level
Legendre Coefficients

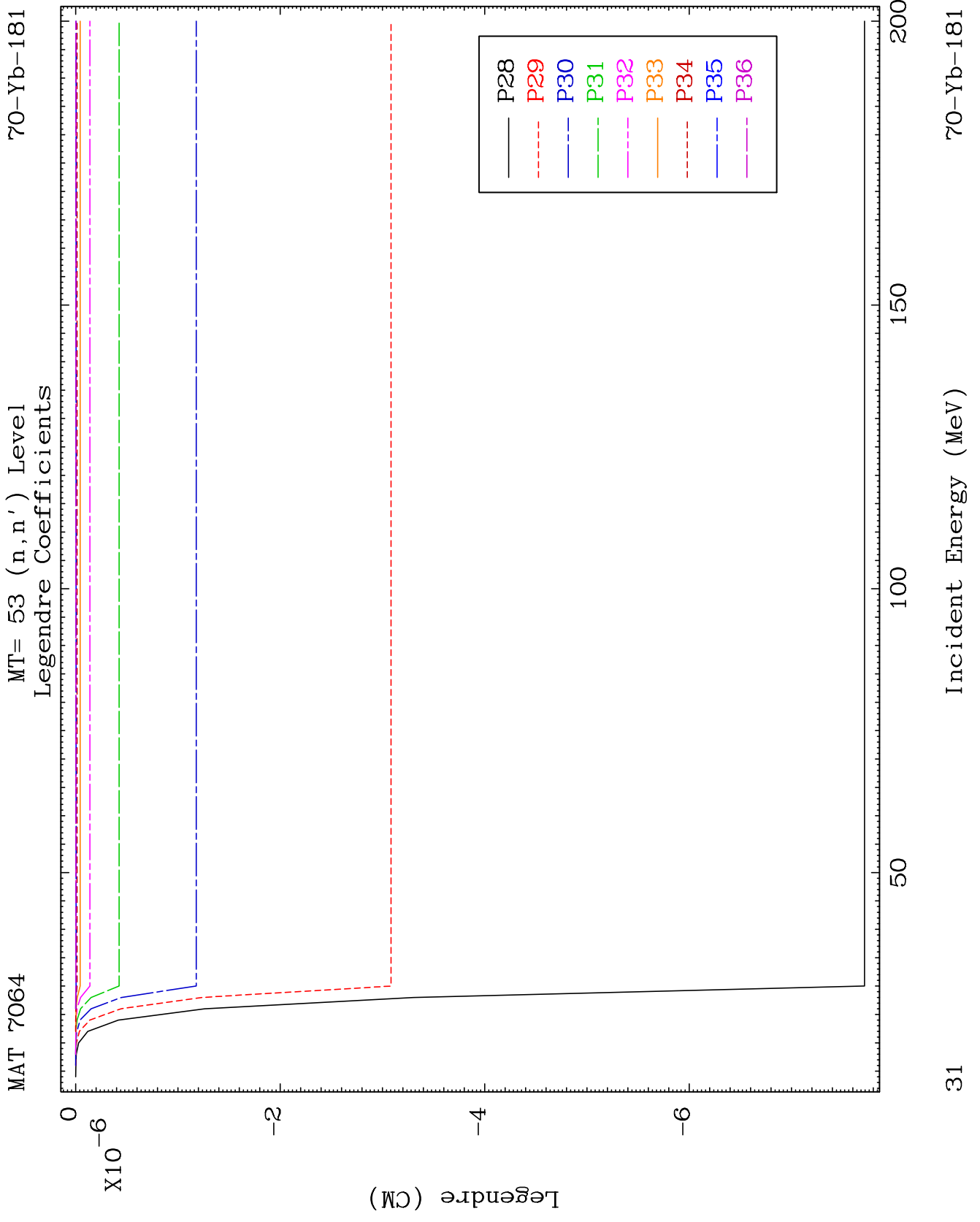
70-Yb-181



30

Incident Energy (MeV)

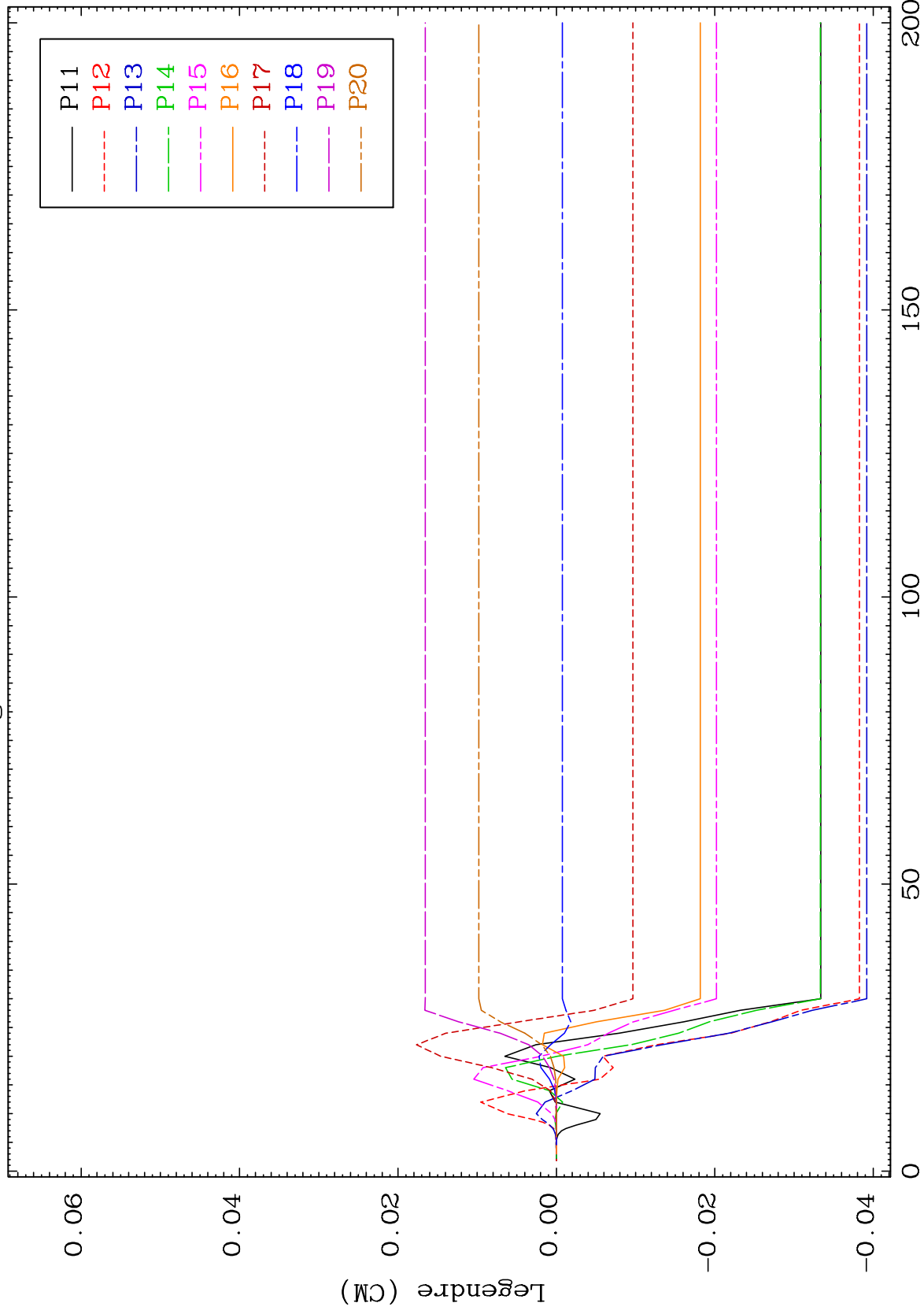
70-Yb-181



MAT 7064

MT= 54 (n,n') Level
Legendre Coefficients

70-Yb-181



33

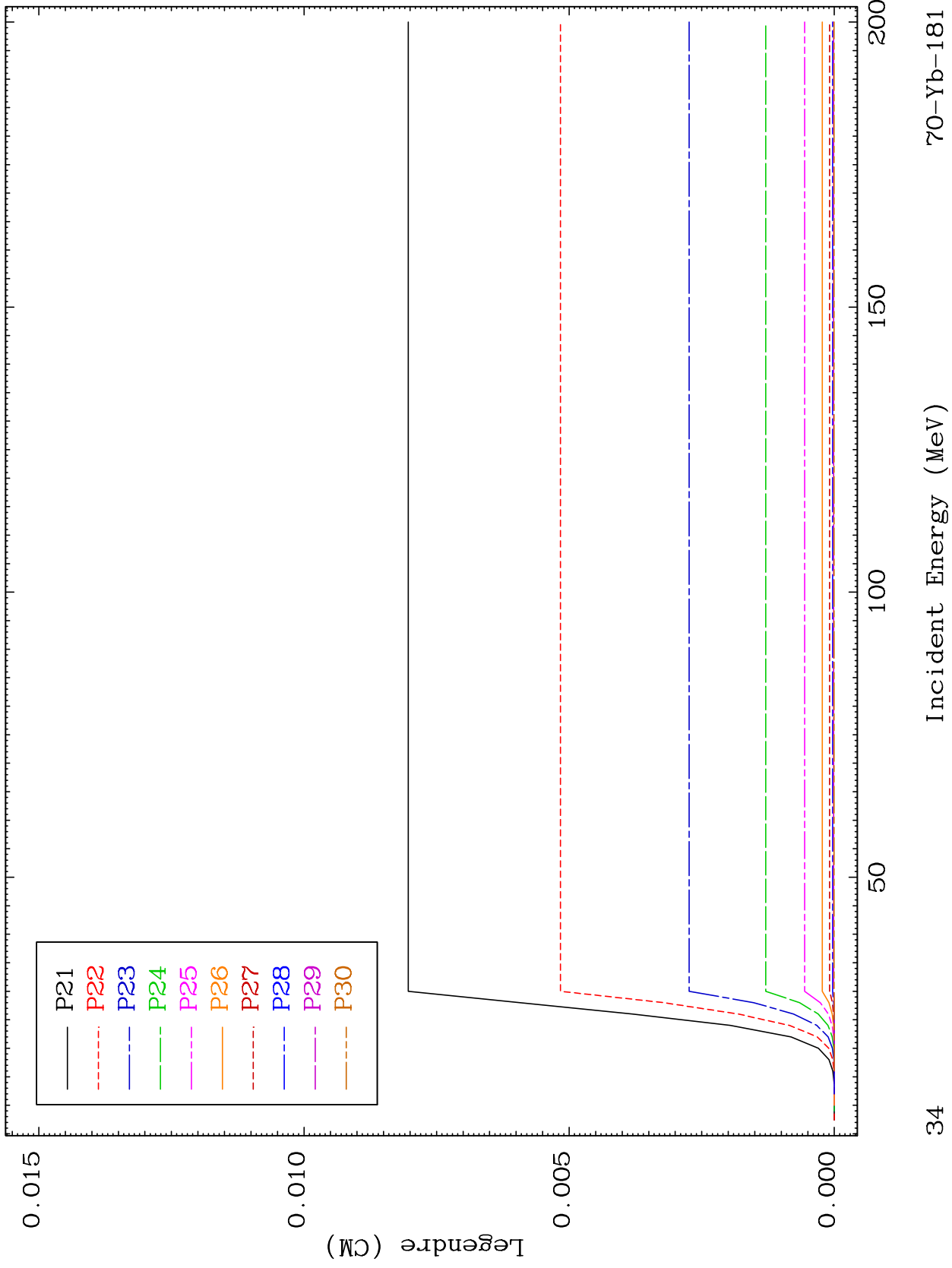
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 54 (n,n') Level
Legendre Coefficients

70-Yb-181



34

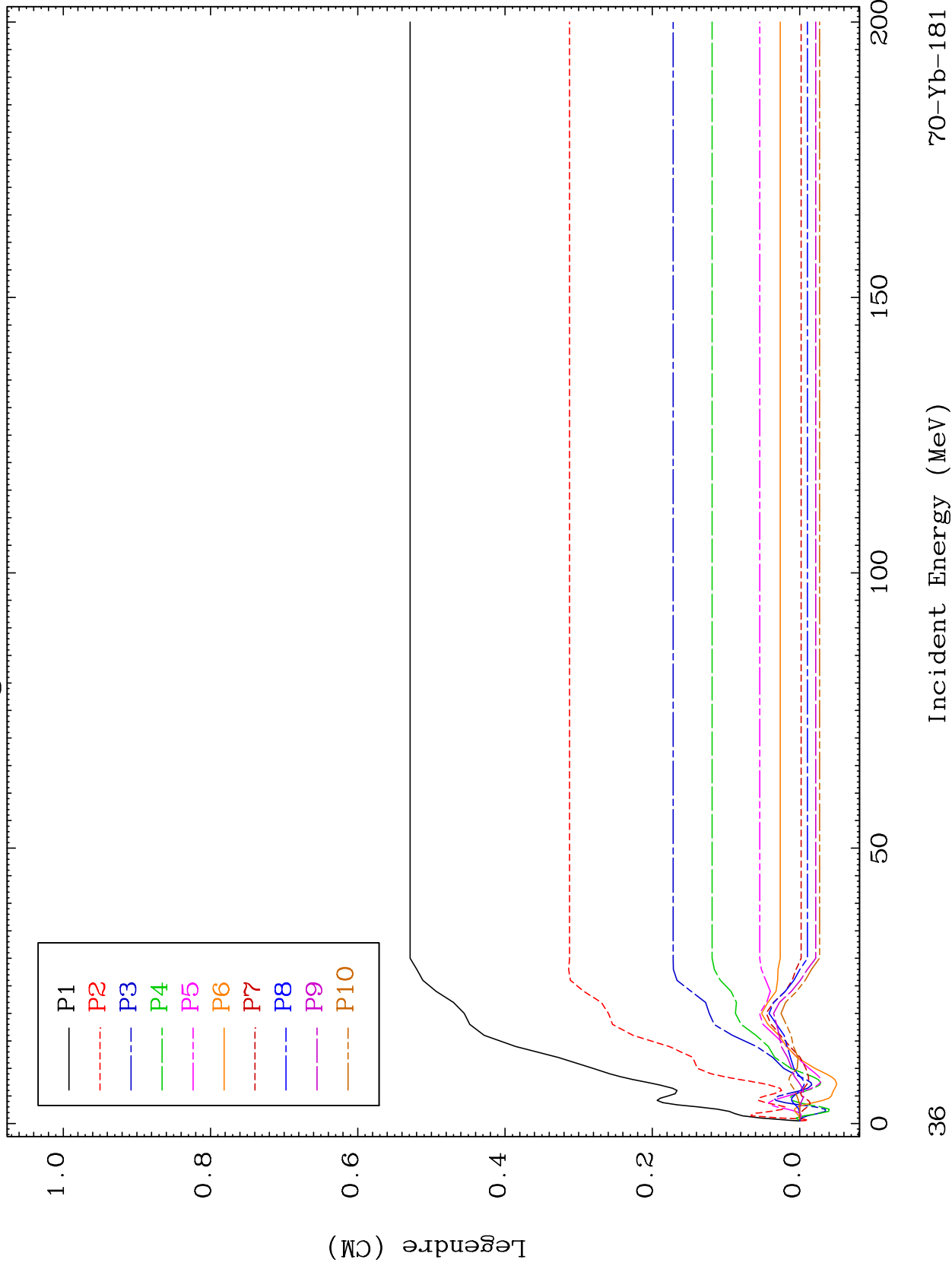
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 55 (n,n') Level
Legendre Coefficients

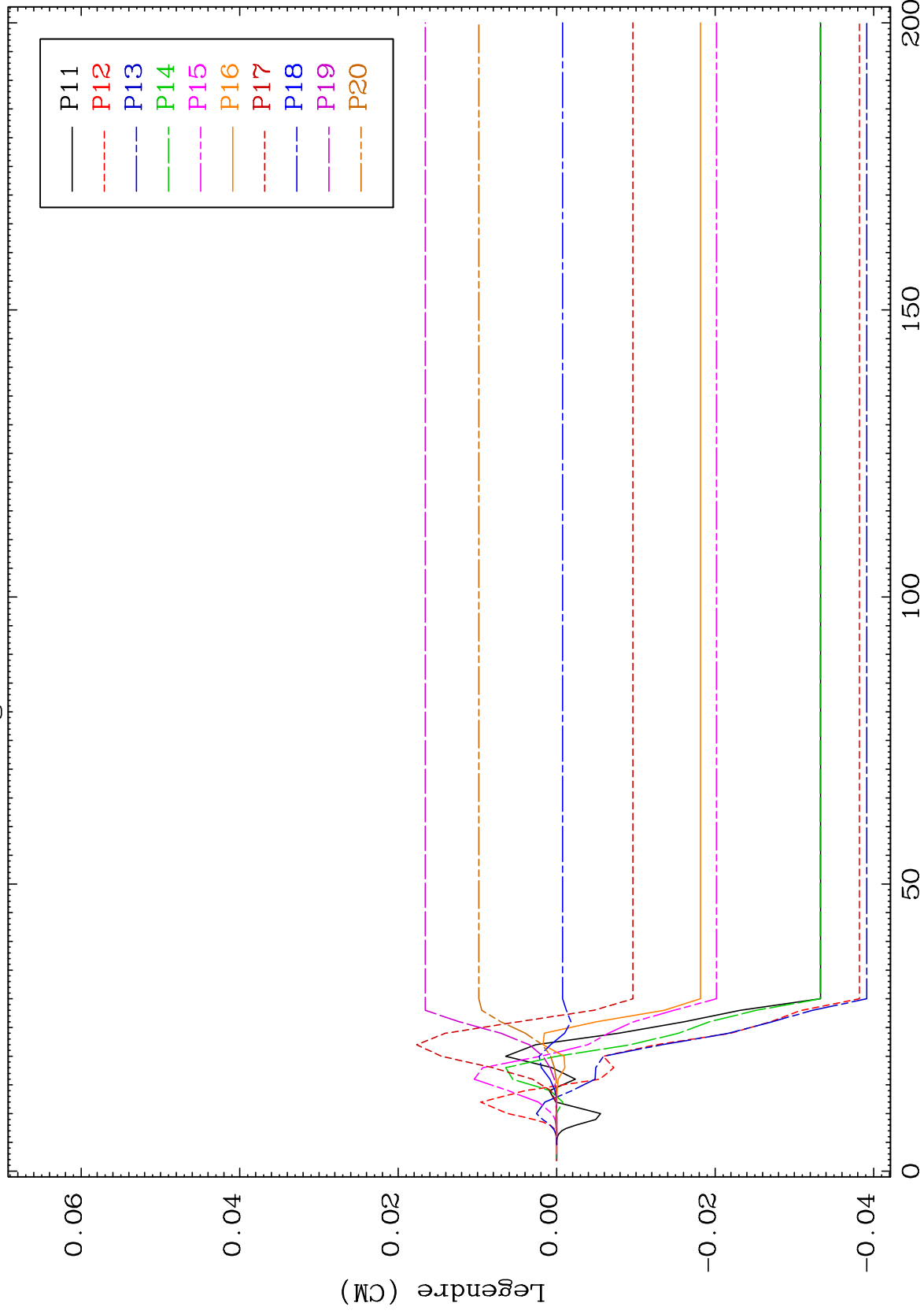
70-Yb-181



MAT 7064

MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-181



37

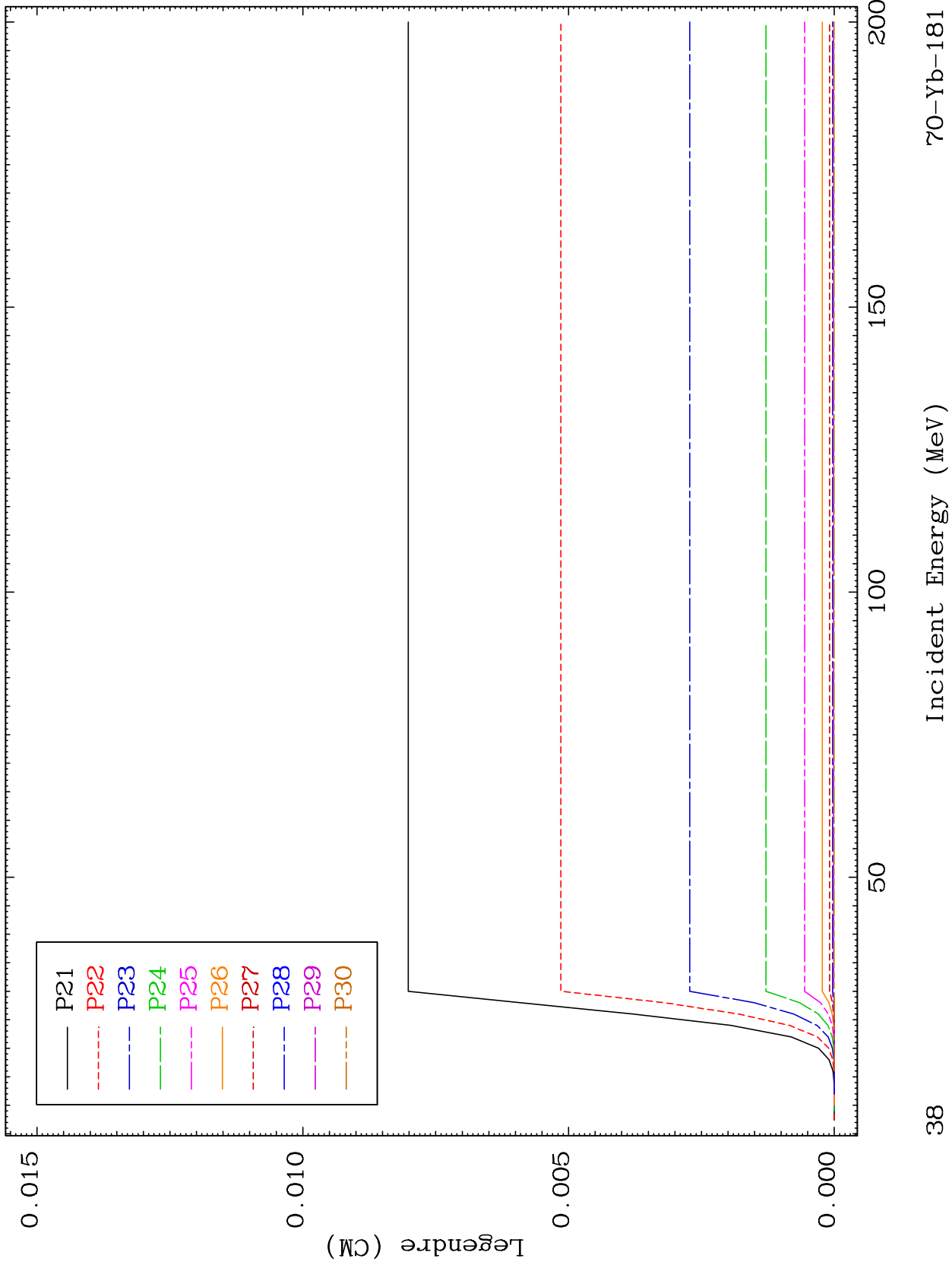
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-181



38

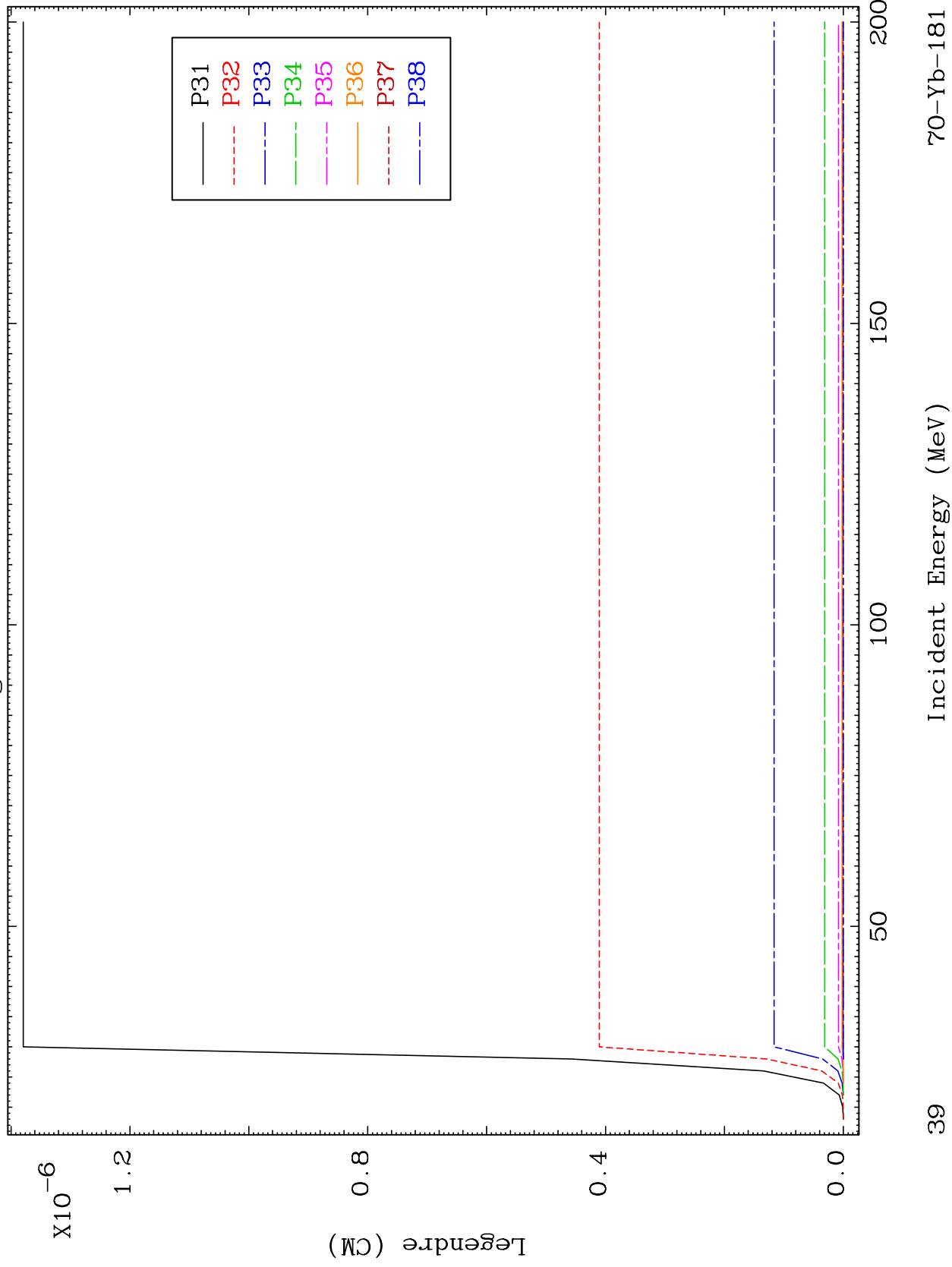
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 55 (n,n') Level
Legendre Coefficients

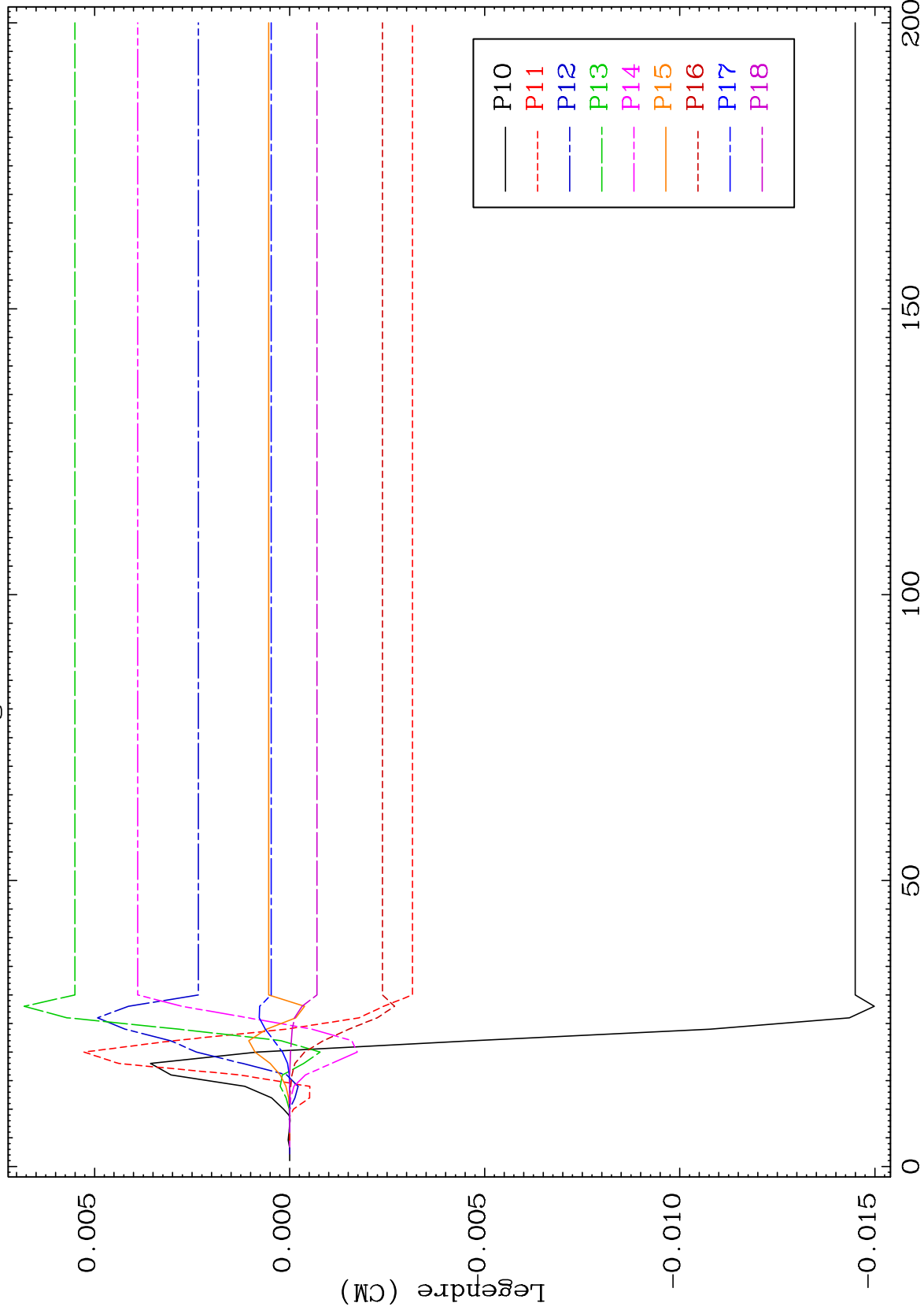
70-Yb-181



MAT 7064

70-Yb-181

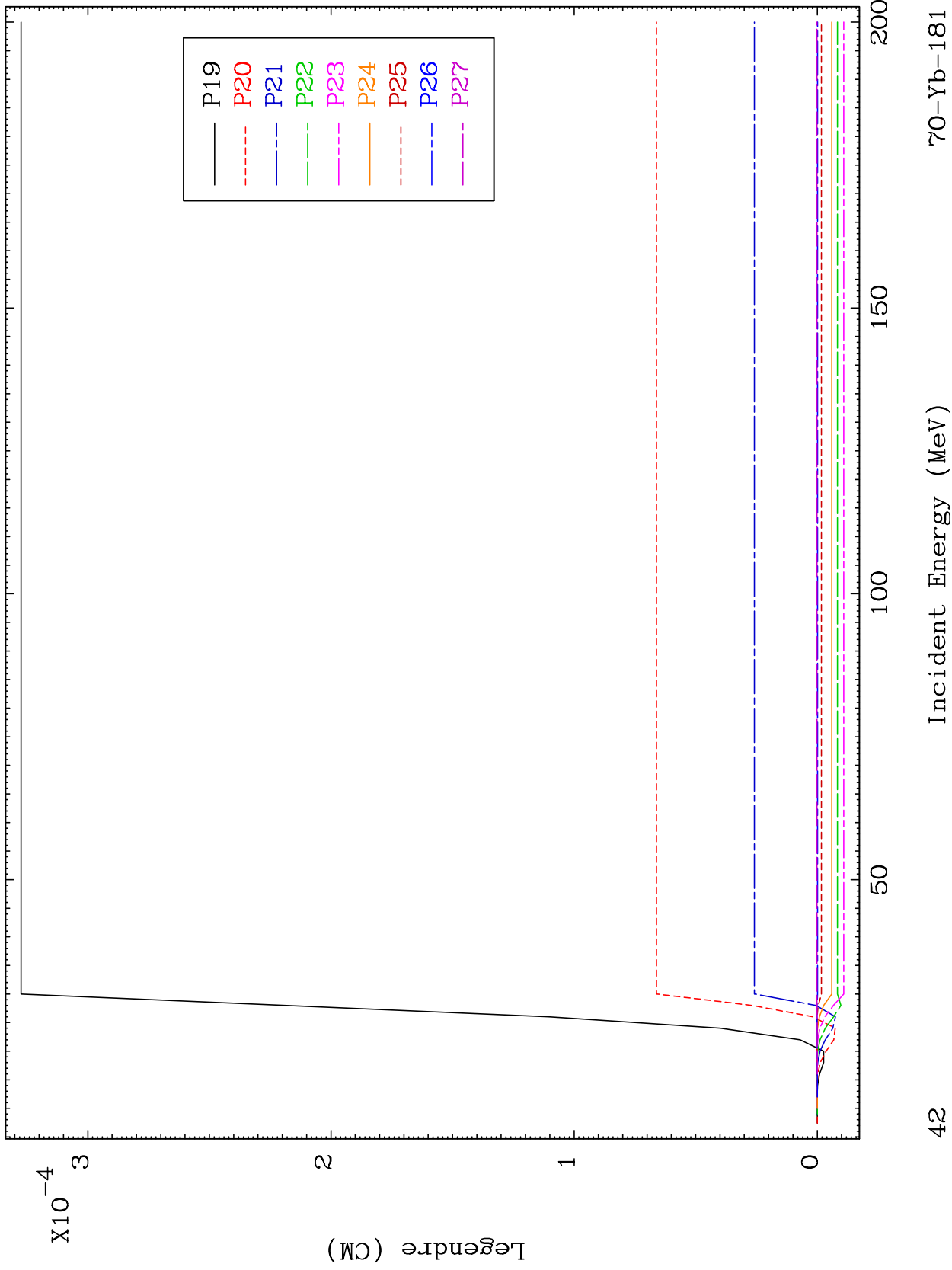
MT= 56 (n,n') Level
Legendre Coefficients



MAT 7064

MT= 56 (n,n') Level
Legendre Coefficients

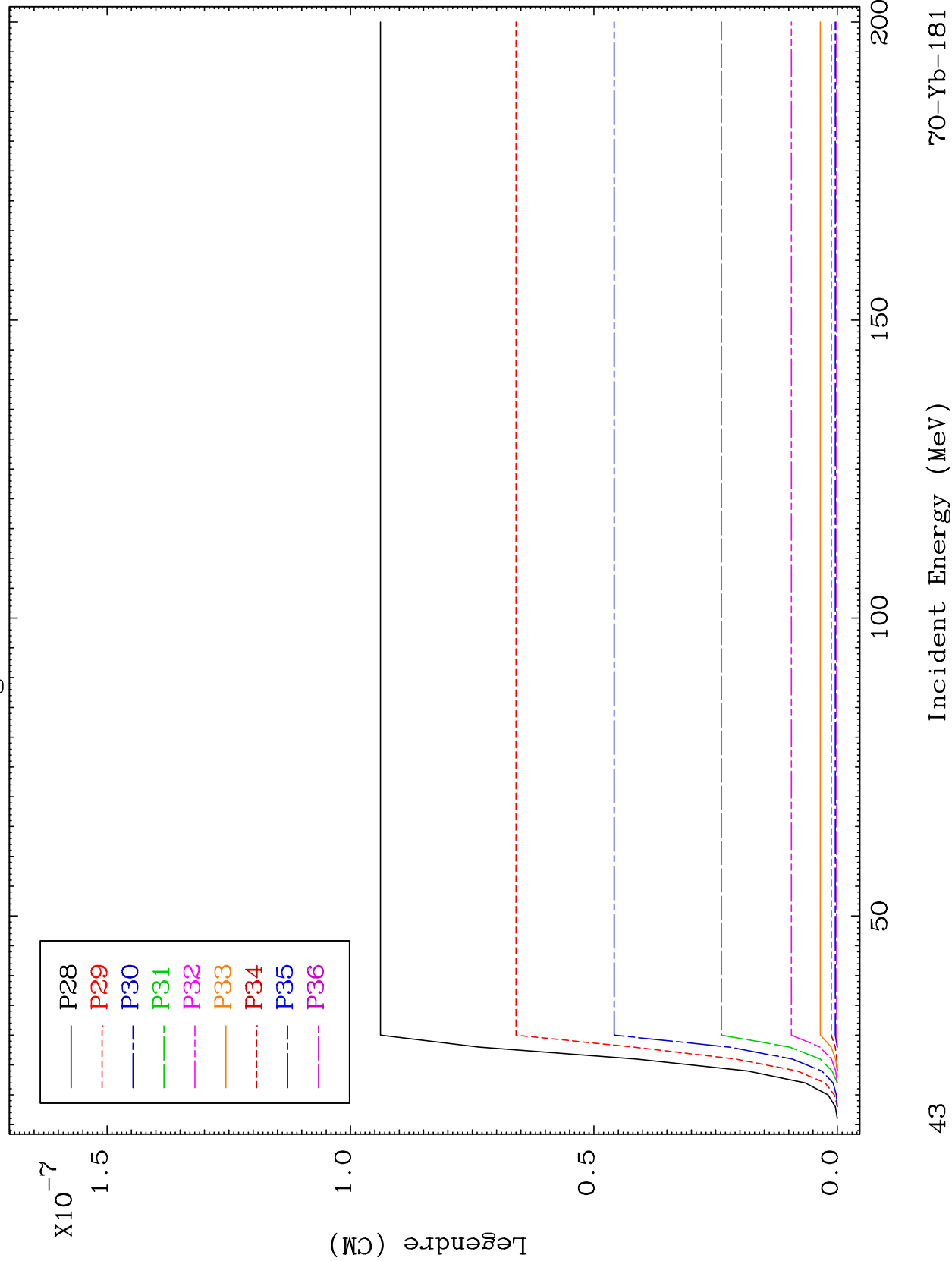
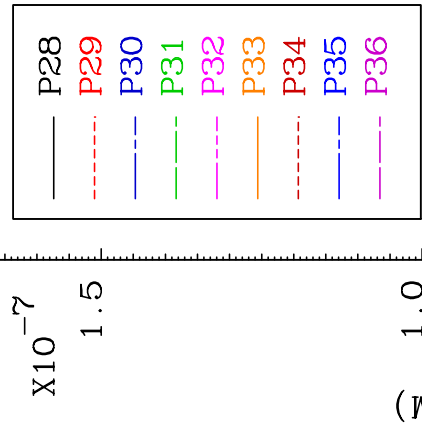
70-Yb-181



MAT 7064

MT= 56 (n,n') Level
Legendre Coefficients

70-Yb-181



43

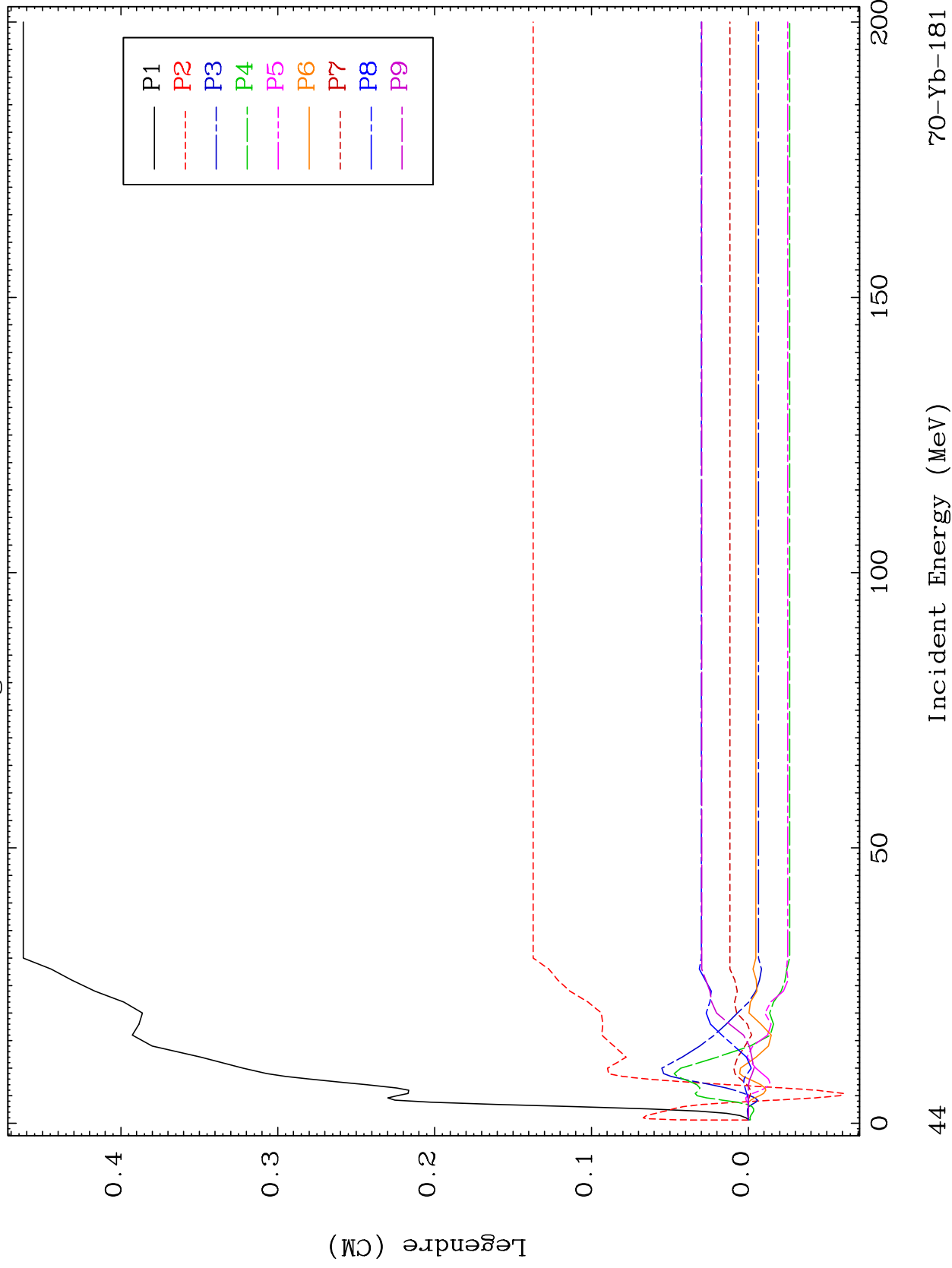
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 57 (n,n') Level
Legendre Coefficients

70-Yb-181



44

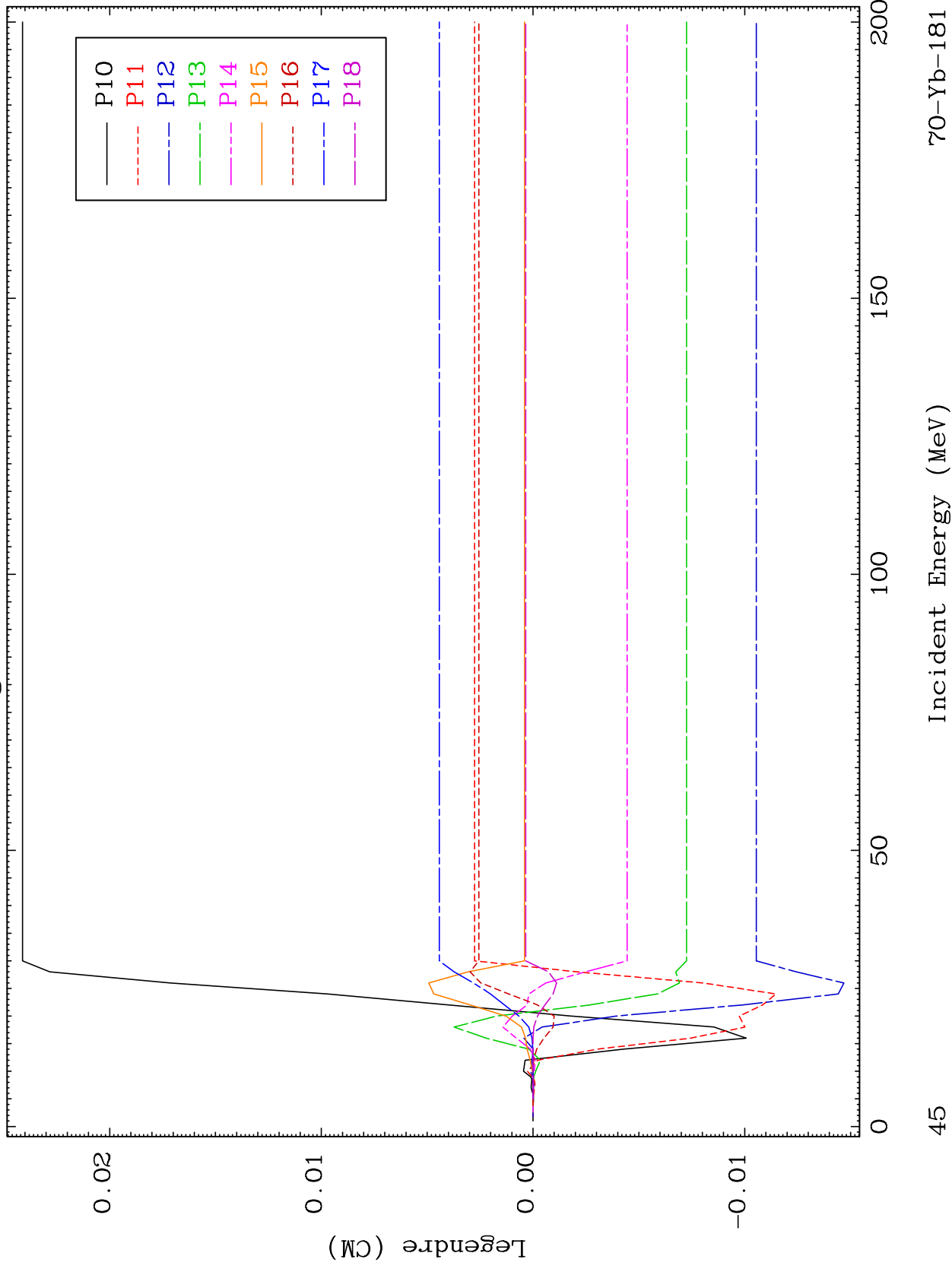
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 57 (n,n') Level
Legendre Coefficients

70-Yb-181



70-Yb-181

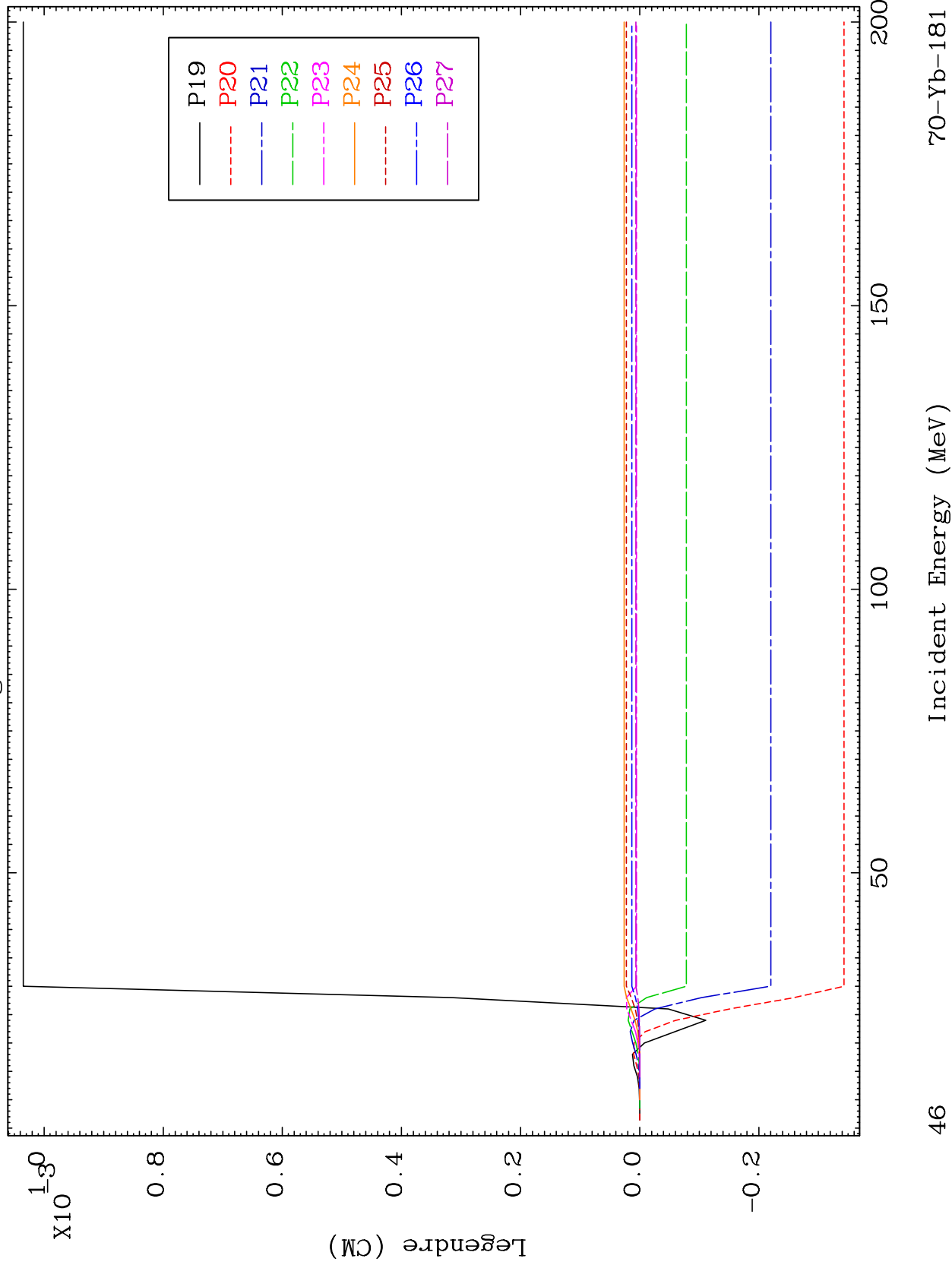
Incident Energy (MeV)

45

MAT 7064

MT= 57 (n,n') Level
Legendre Coefficients

70-Yb-181



46

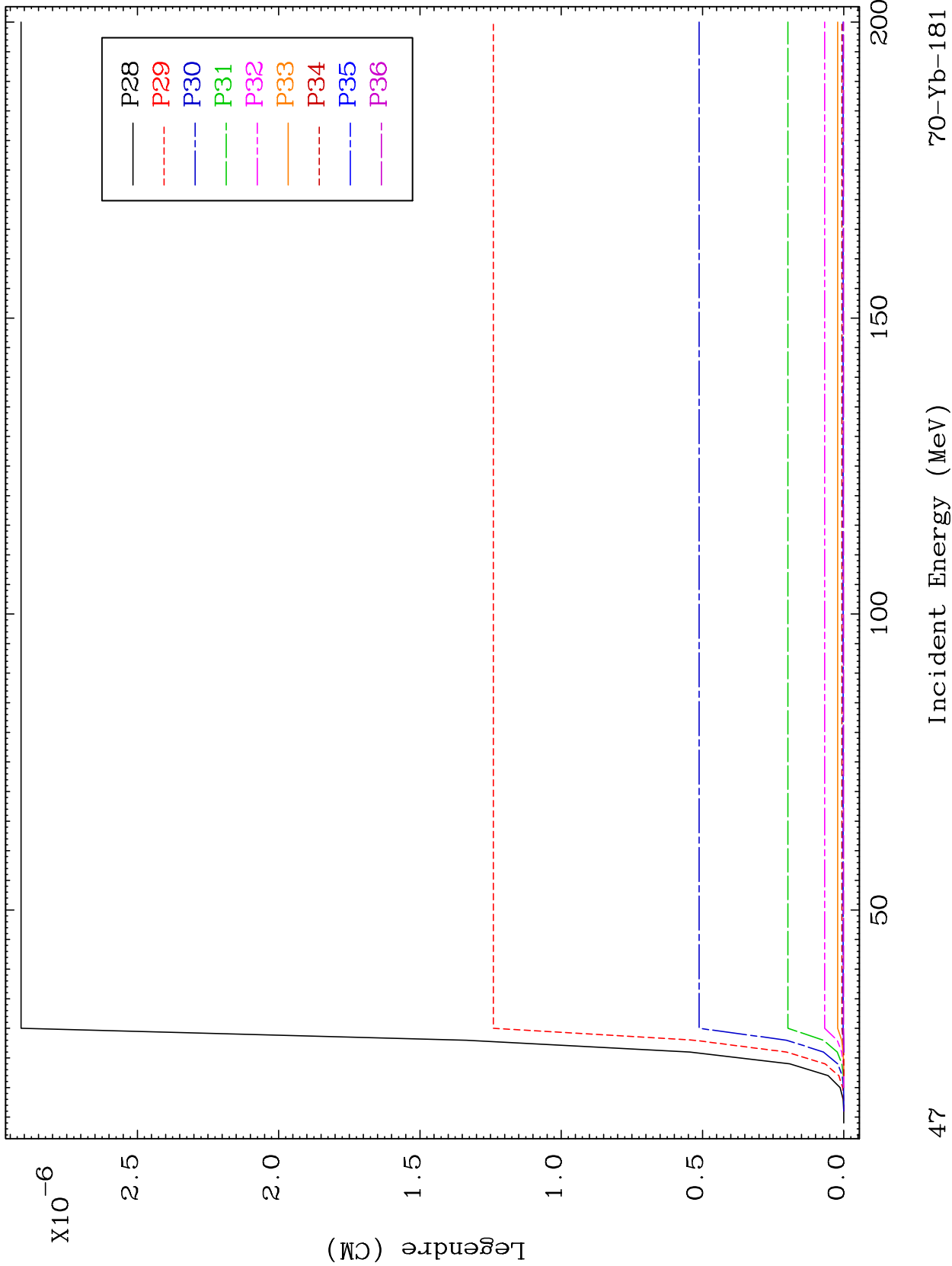
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 57 (n,n') Level
Legendre Coefficients

70-Yb-181



47

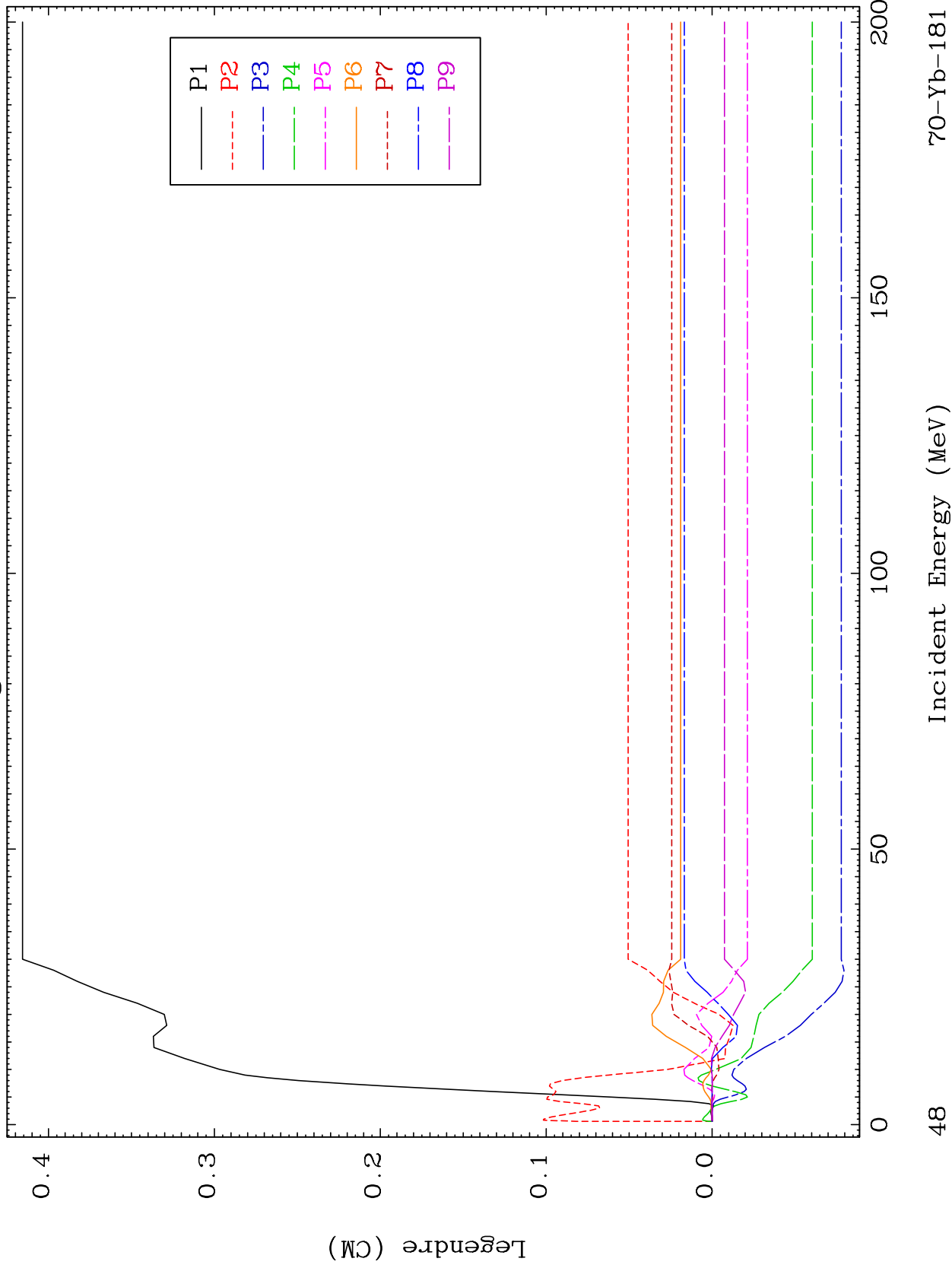
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 58 (n,n') Level
Legendre Coefficients

70-Yb-181



48

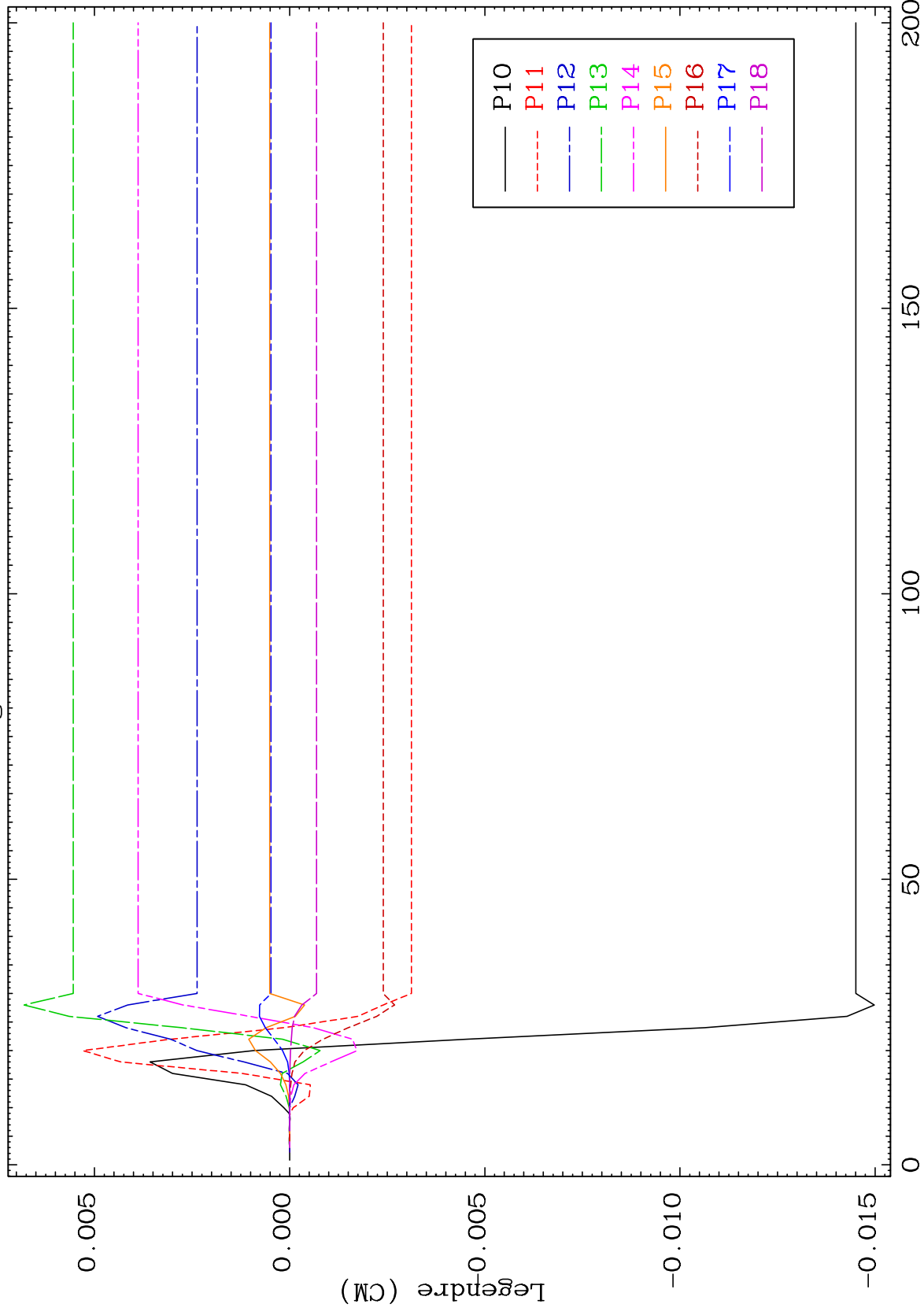
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 58 (n,n') Level
Legendre Coefficients

70-Yb-181



49

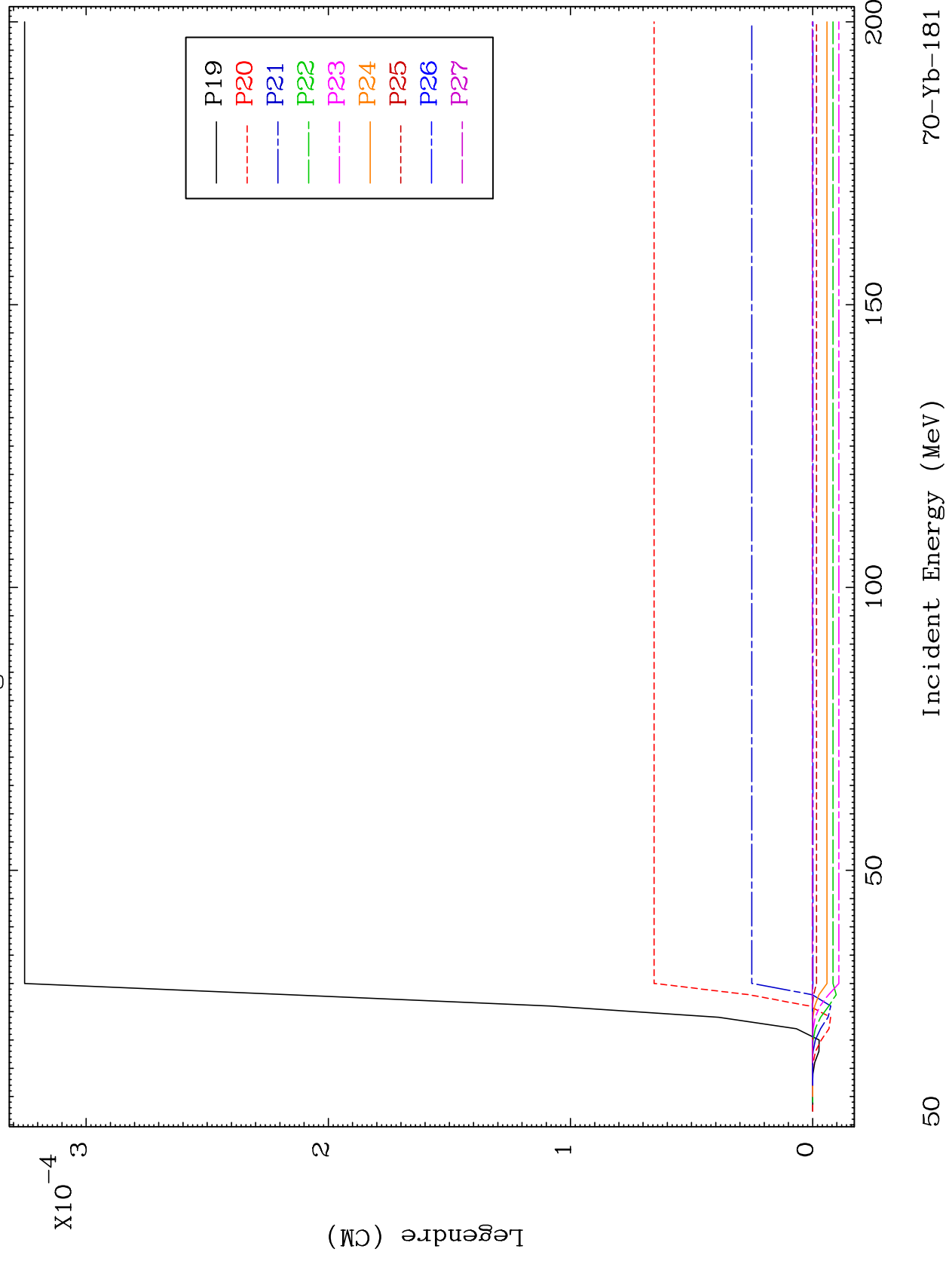
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 58 (n,n') Level
Legendre Coefficients

70-Yb-181



50

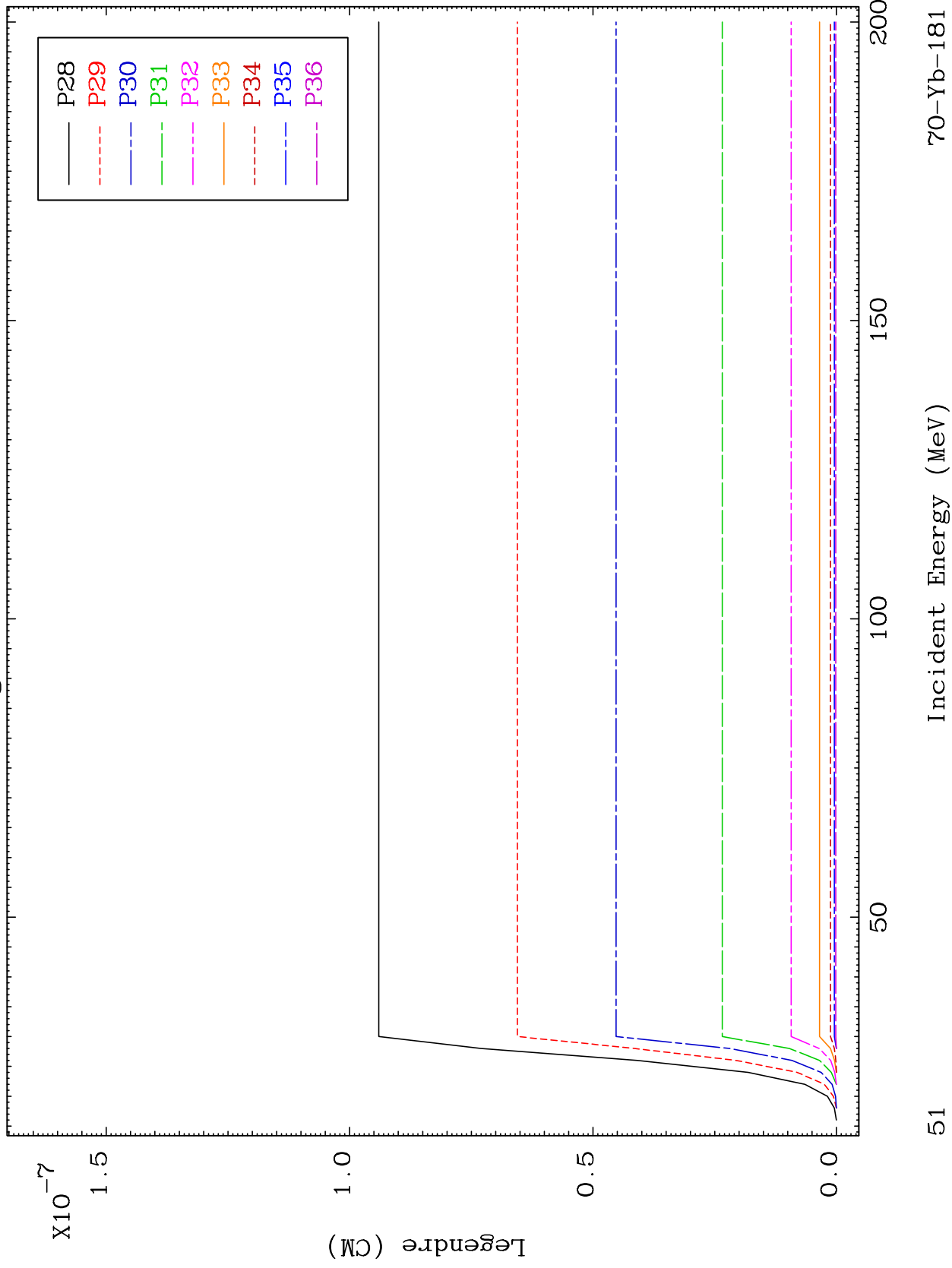
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 58 (n,n') Level
Legendre Coefficients

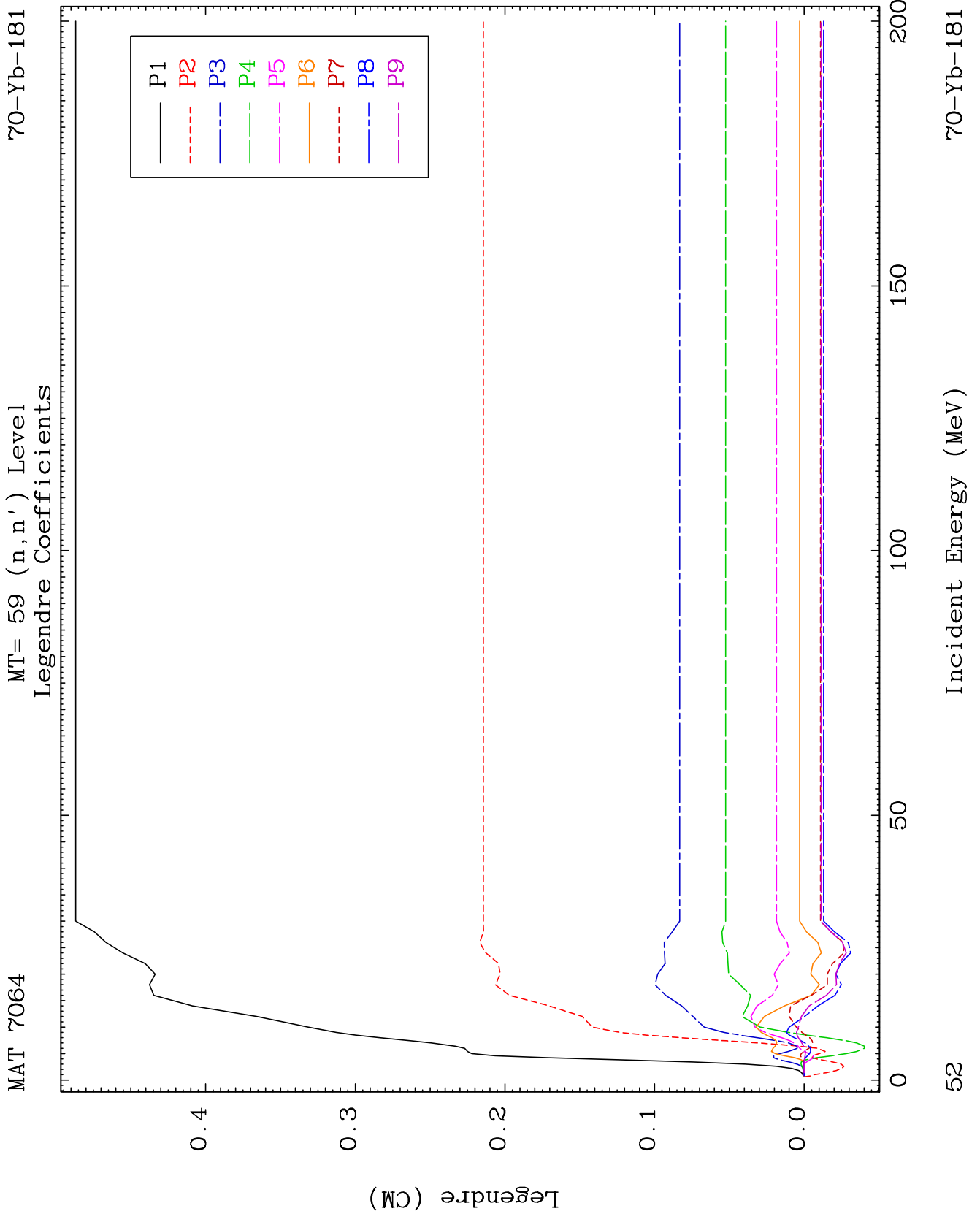
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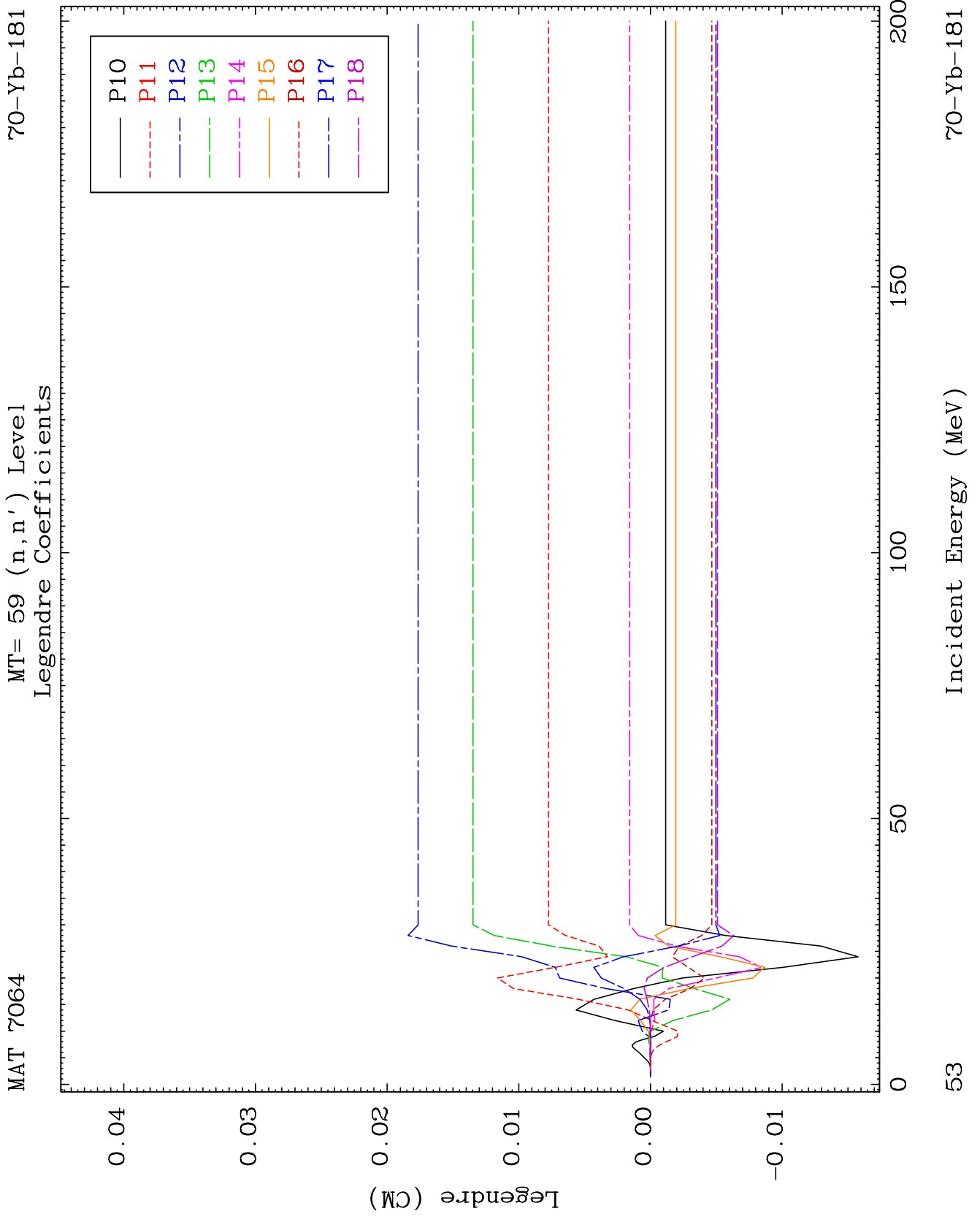


51

Incident Energy (MeV)

70-Yb-181

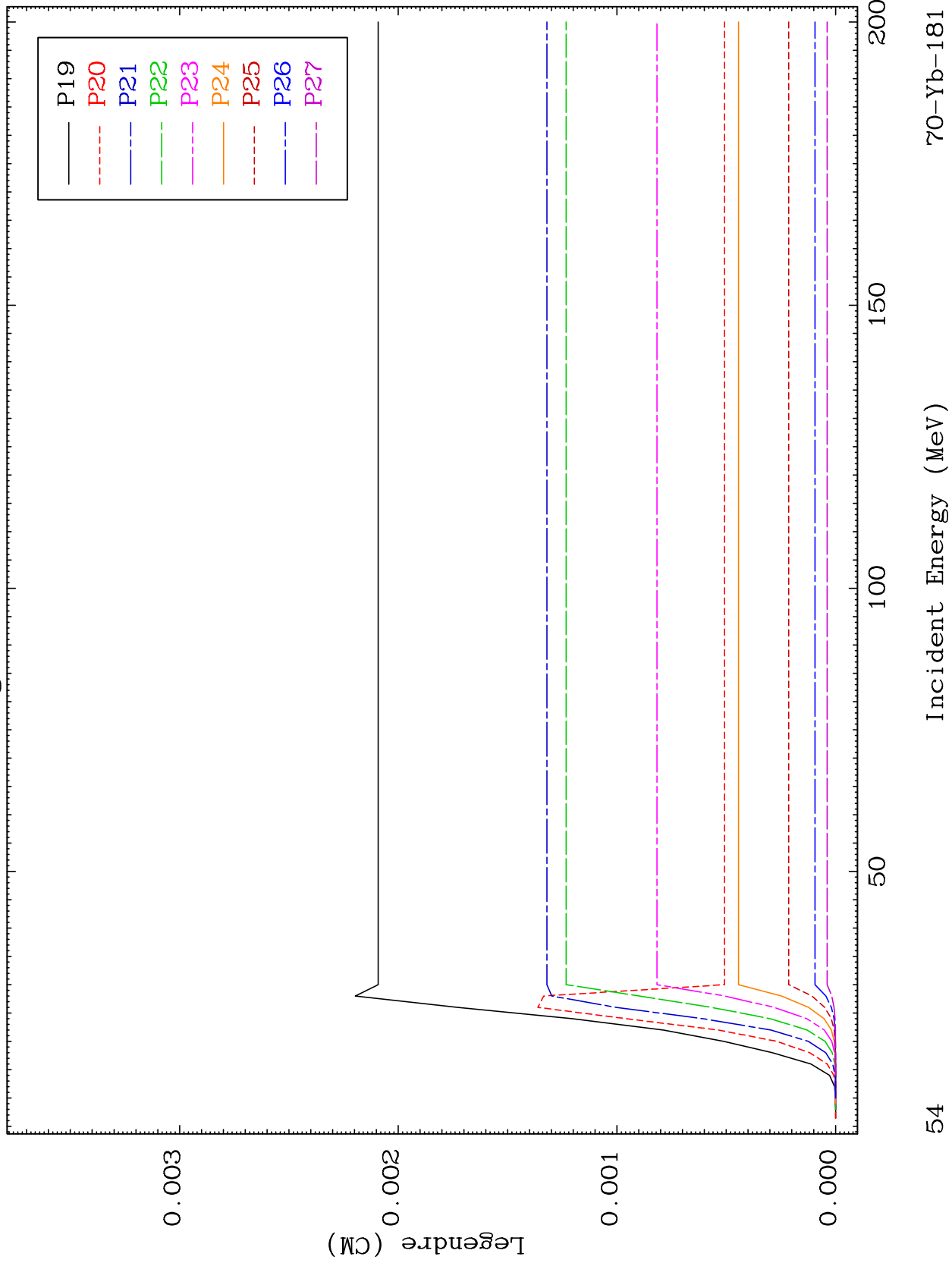




MAT 7064

MT= 59 (n,n') Level
Legendre Coefficients

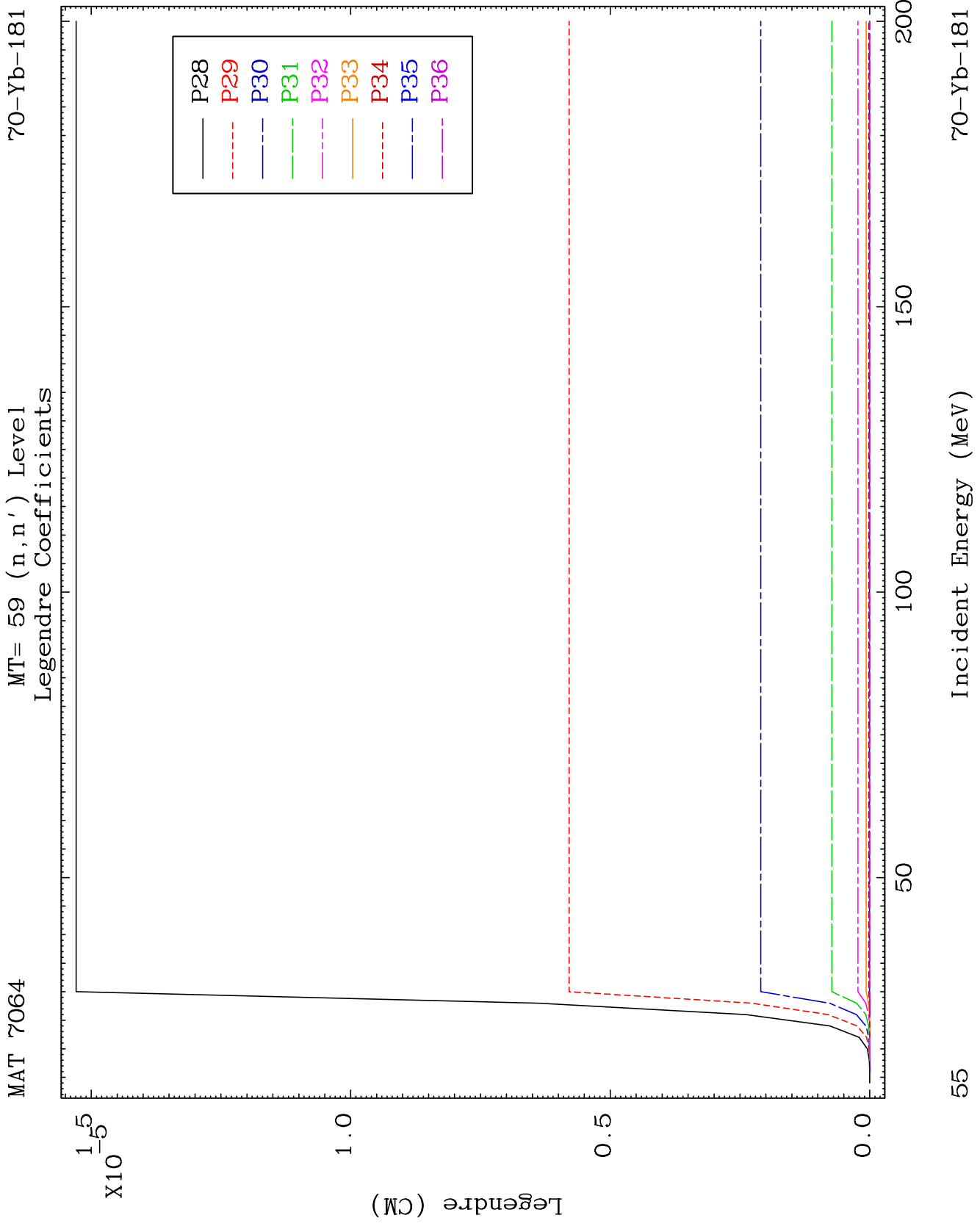
70-Yb-181



54

Incident Energy (MeV)

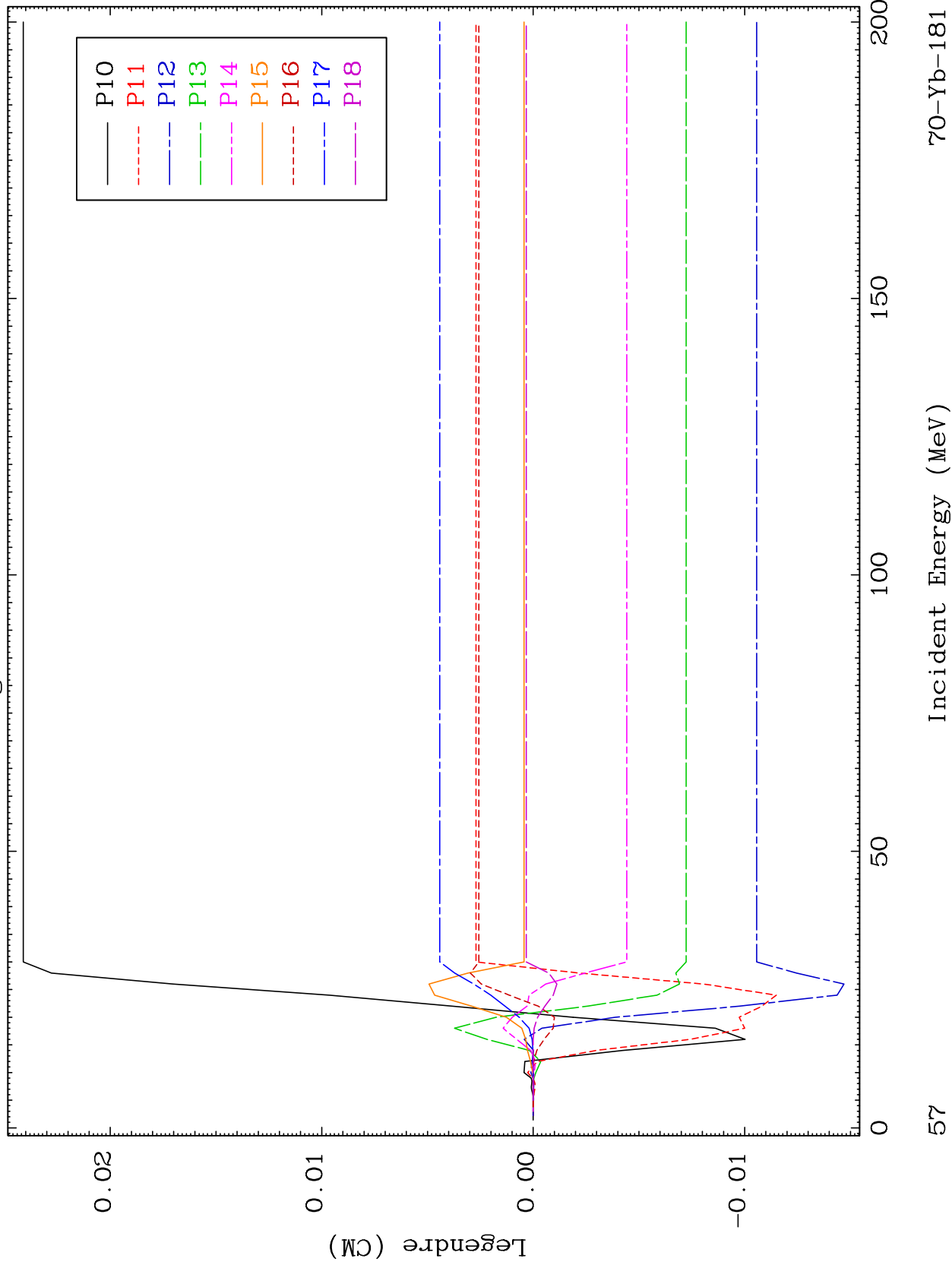
70-Yb-181



MAT 7064

MT= 60 (n,n') Level
Legendre Coefficients

70-Yb-181



70-Yb-181

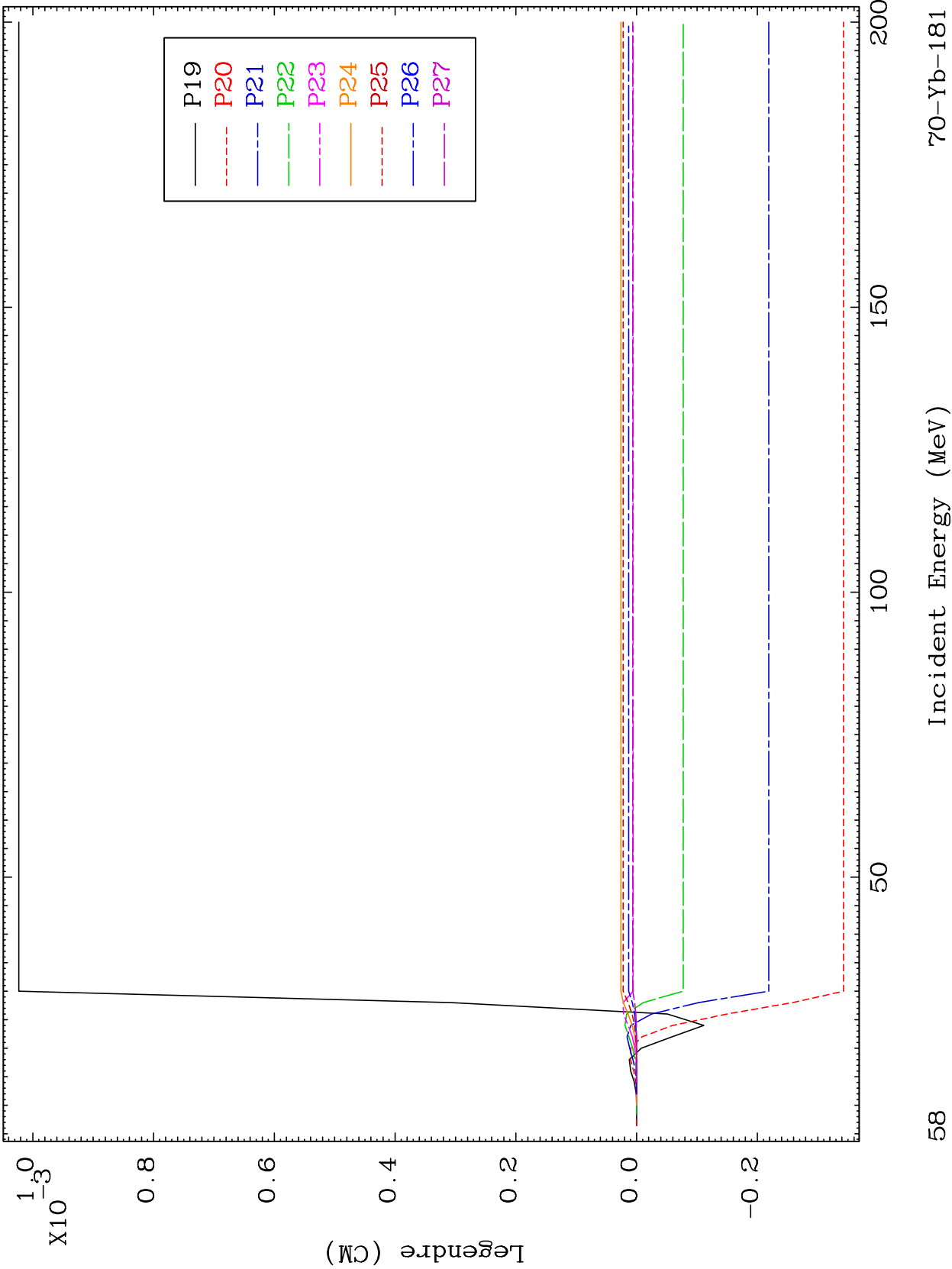
Incident Energy (MeV)

57

MAT 7064

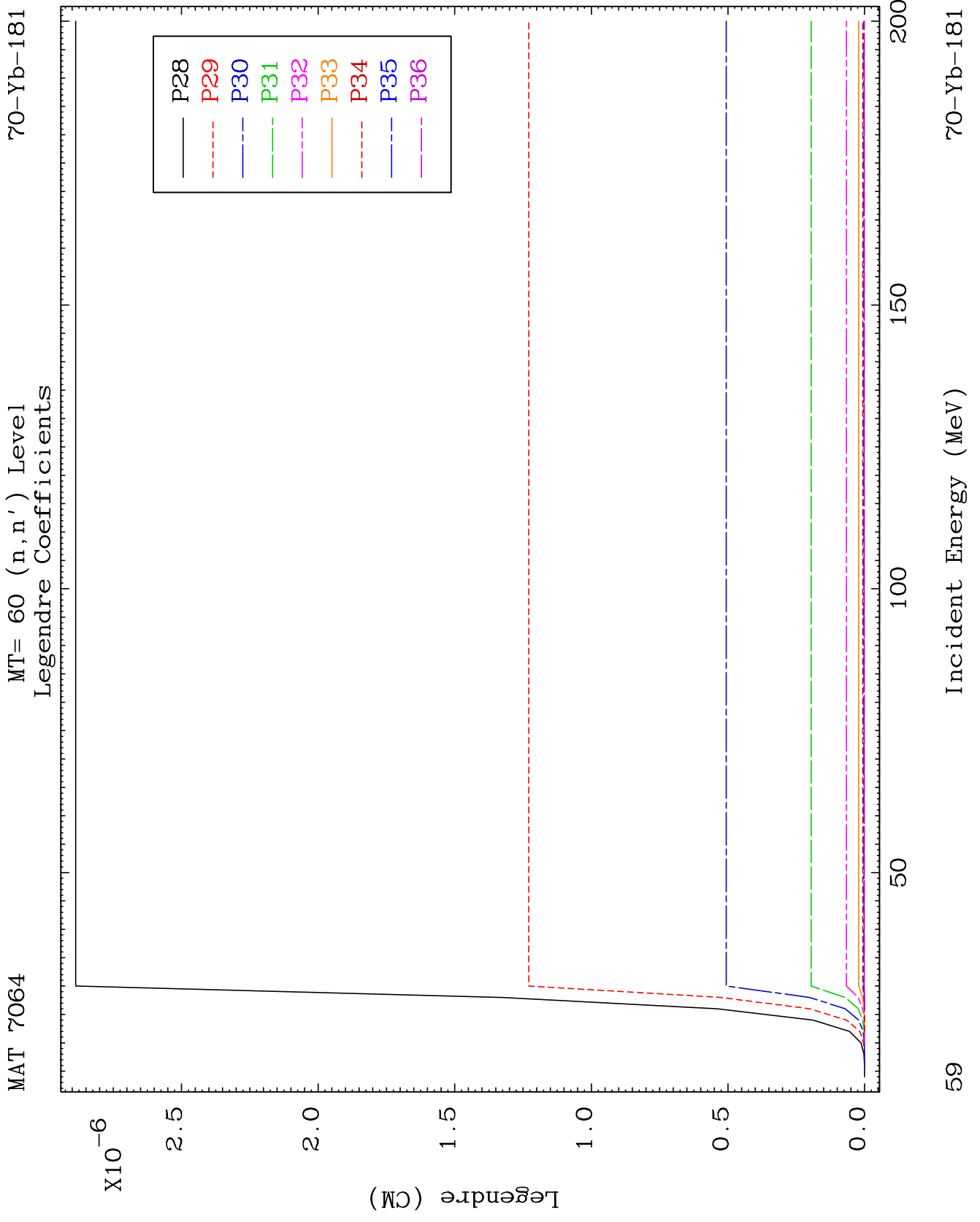
MT= 60 (n,n') Level
Legendre Coefficients

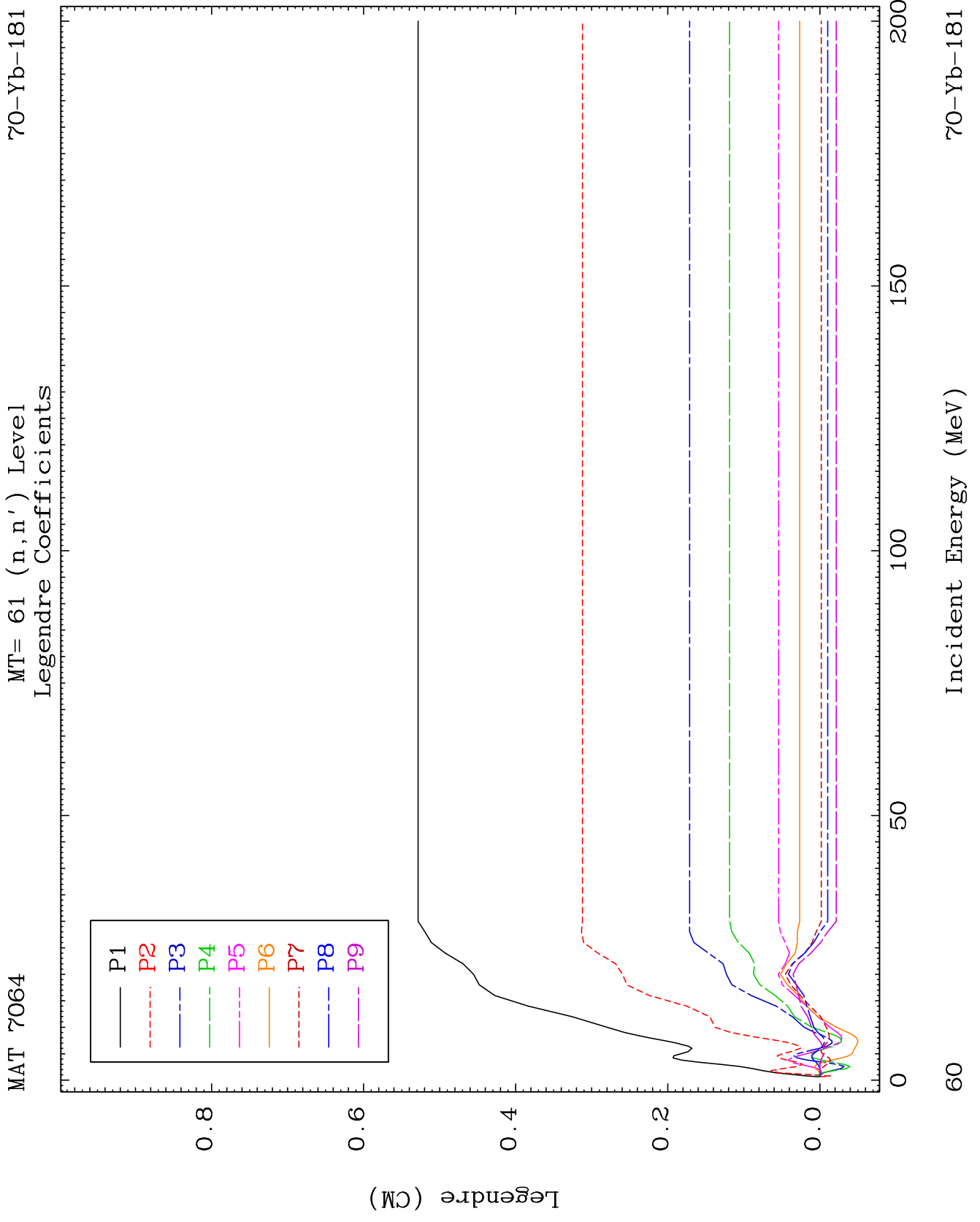
70-Yb-181

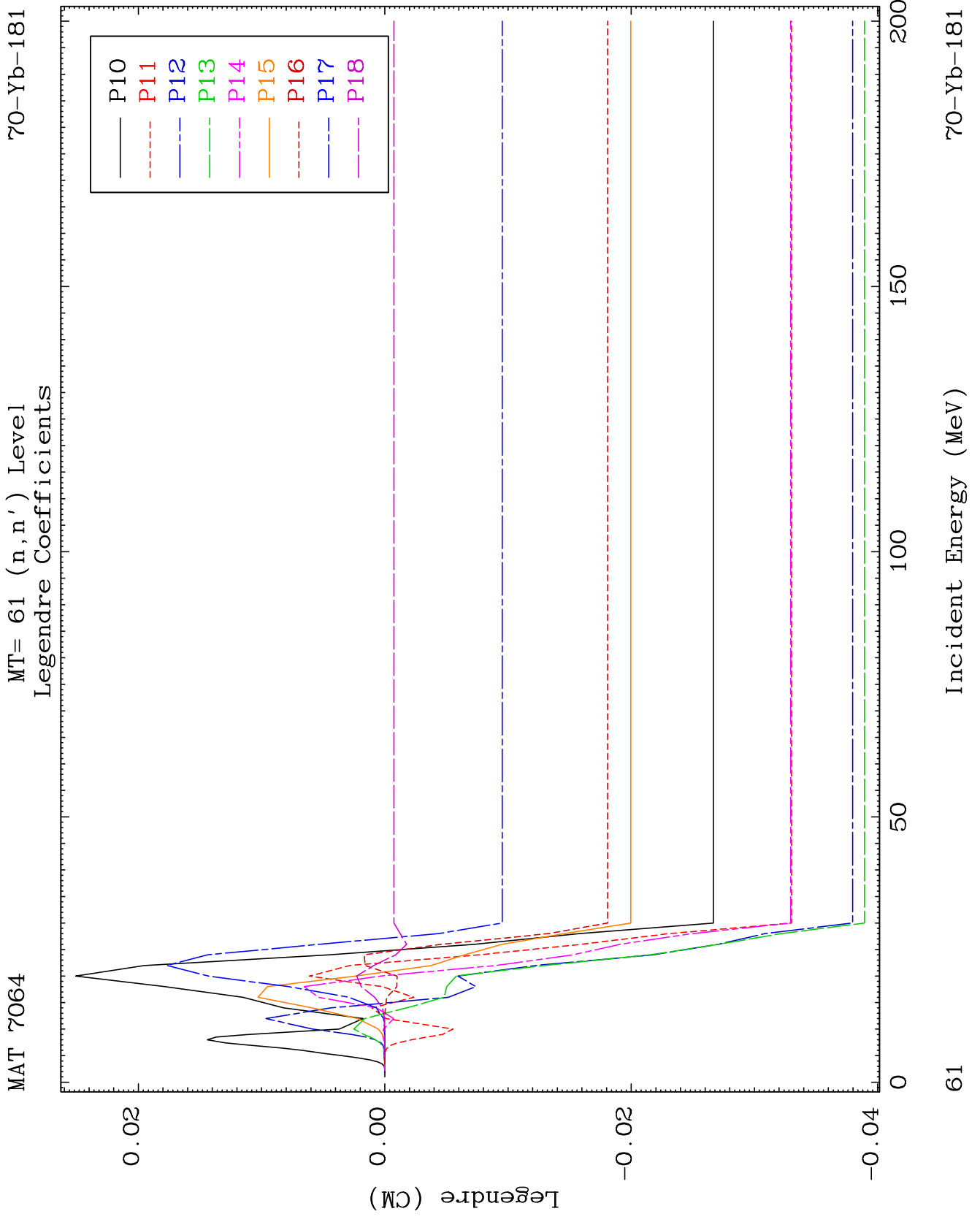


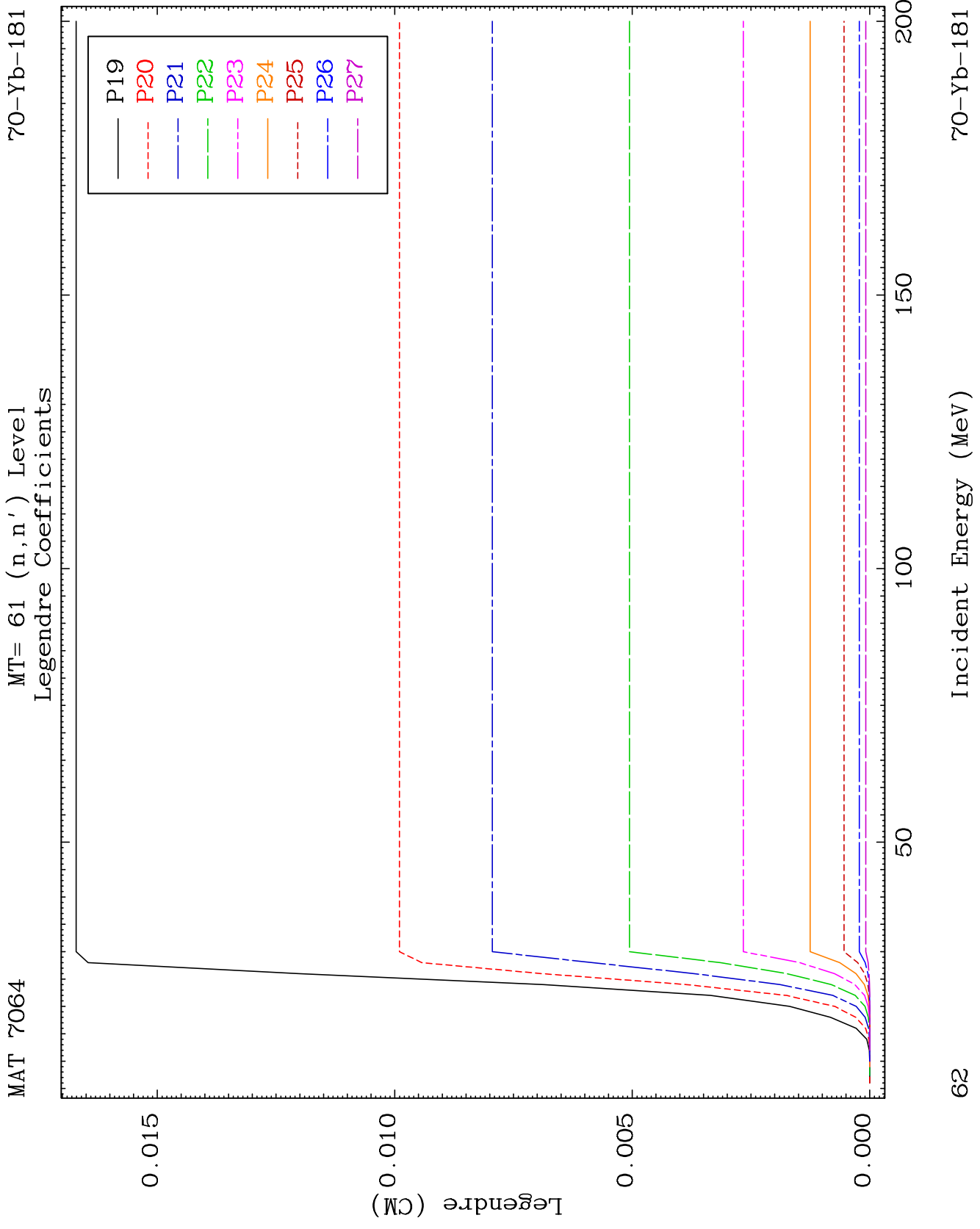
58

70-Yb-181





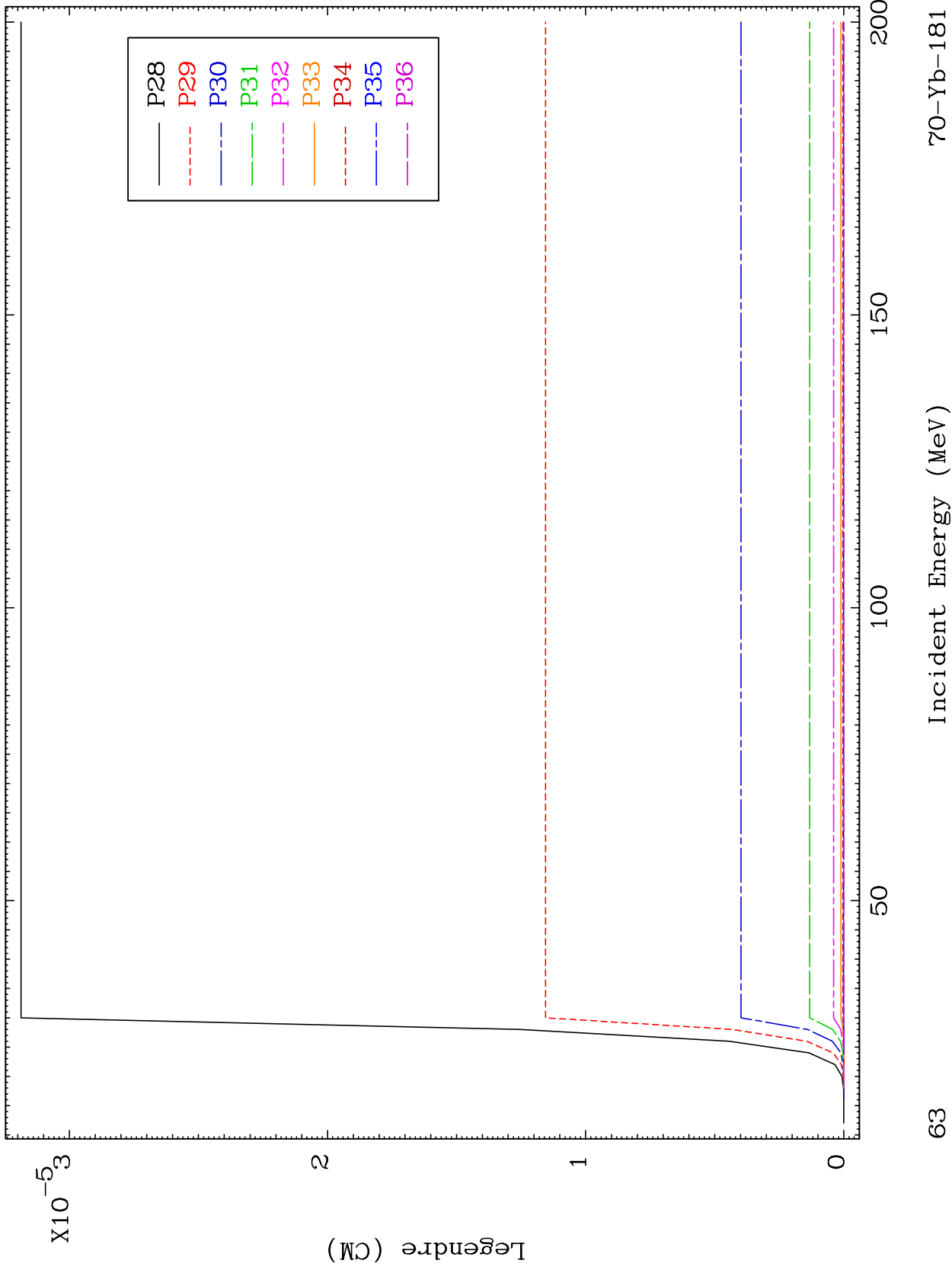


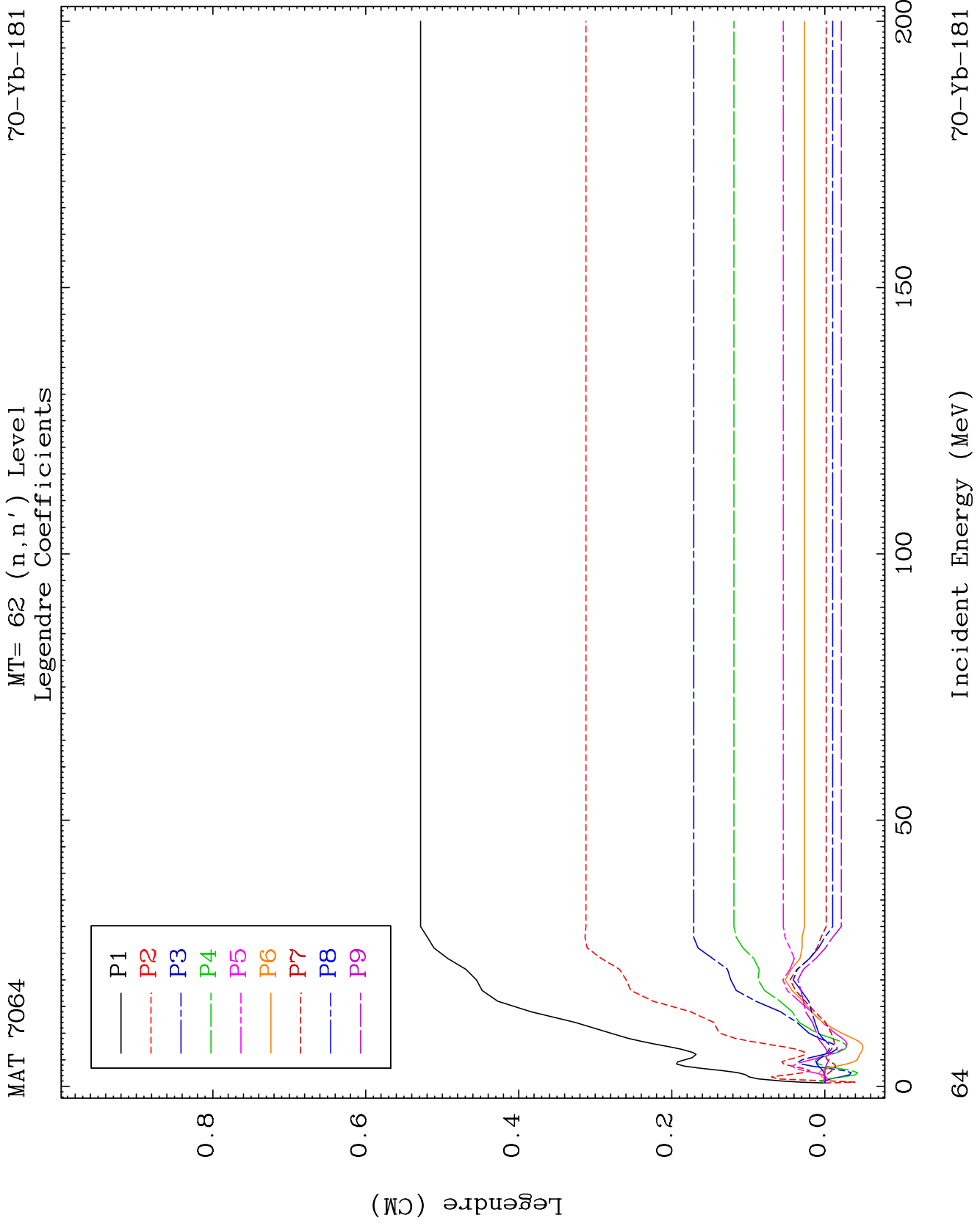


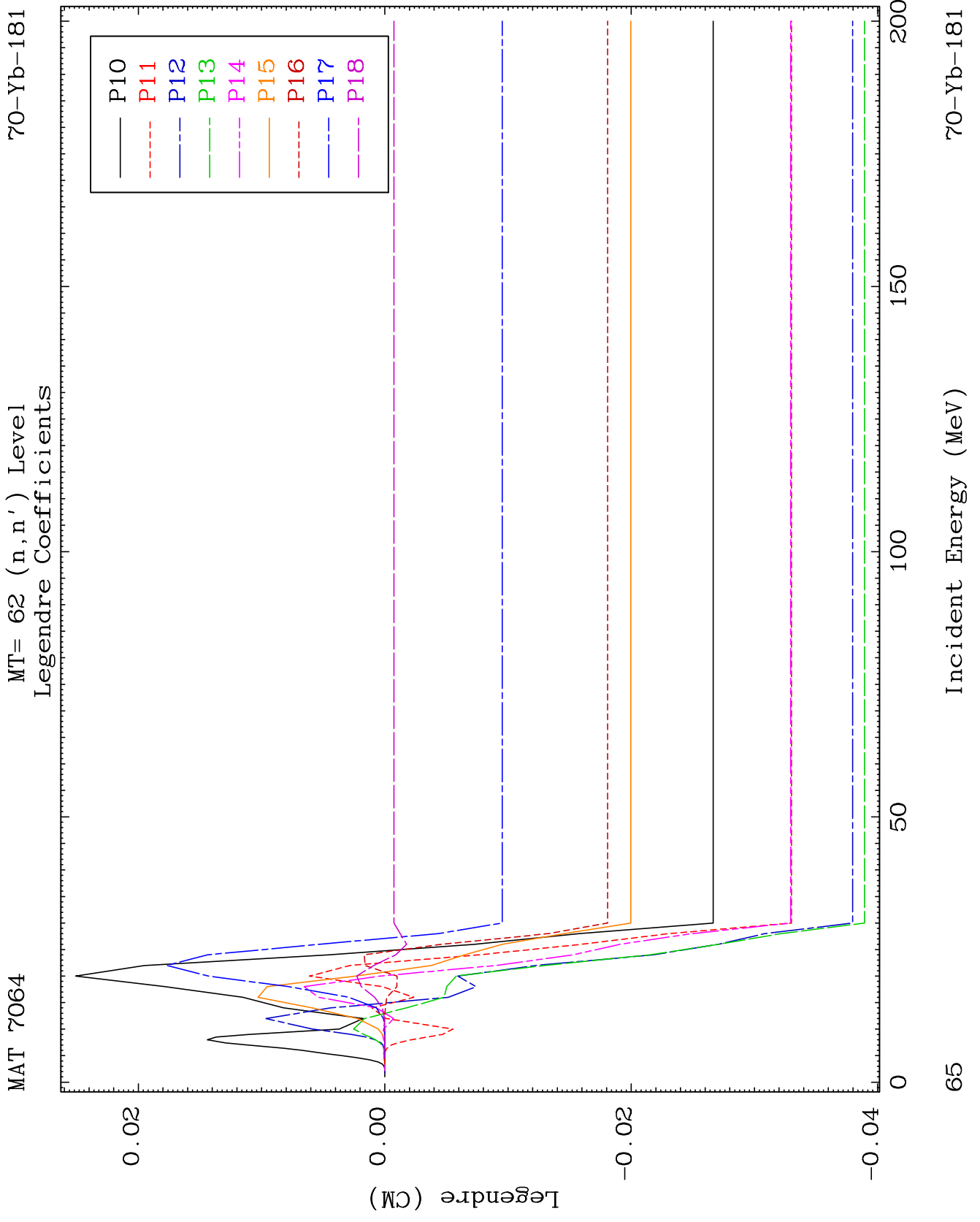
MAT 7064

MT= 61 (n,n') Level
Legendre Coefficients

70-Yb-181



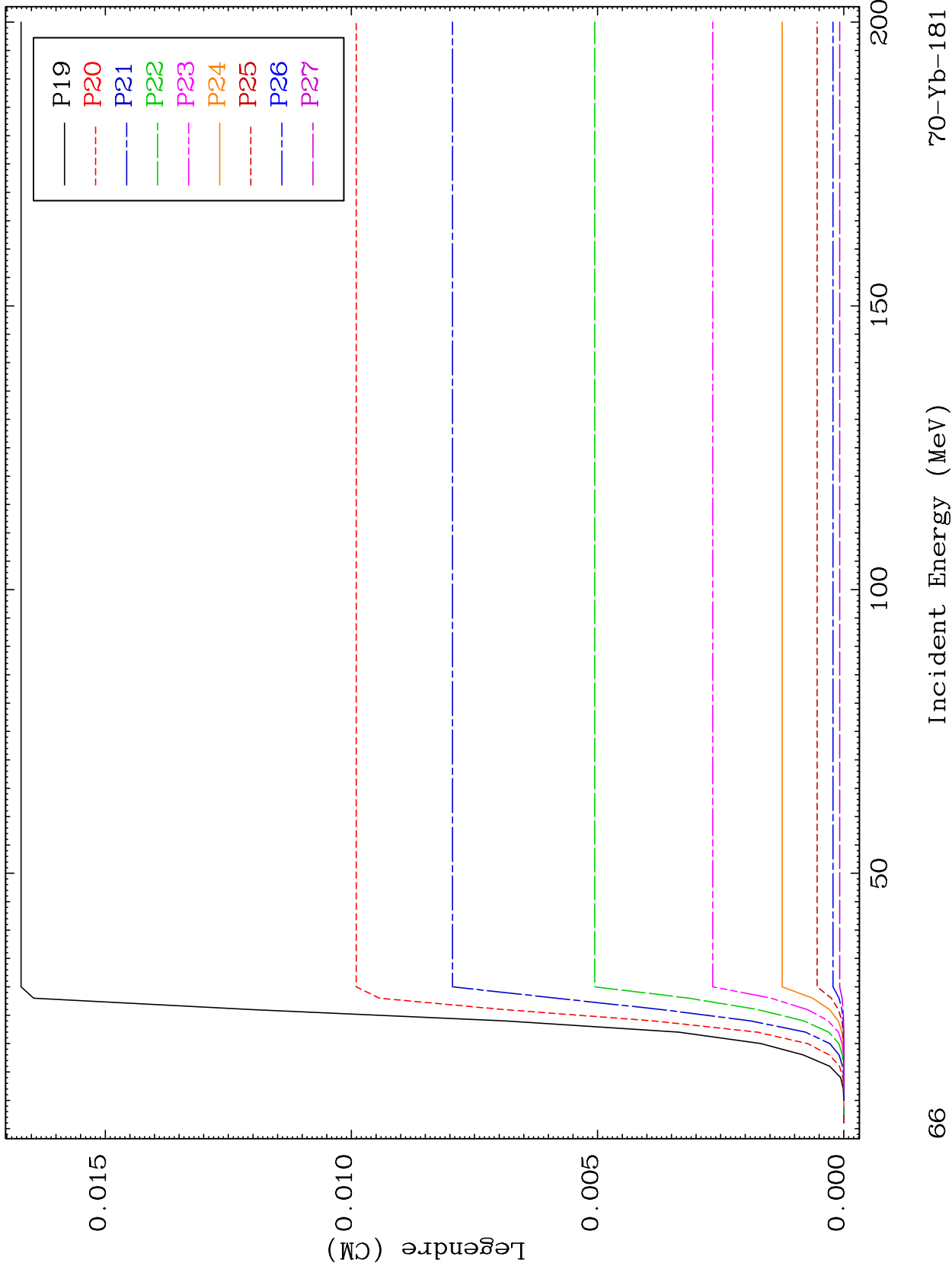




MAT 7064

MT= 62 (n,n') Level
Legendre Coefficients

70-Yb-181

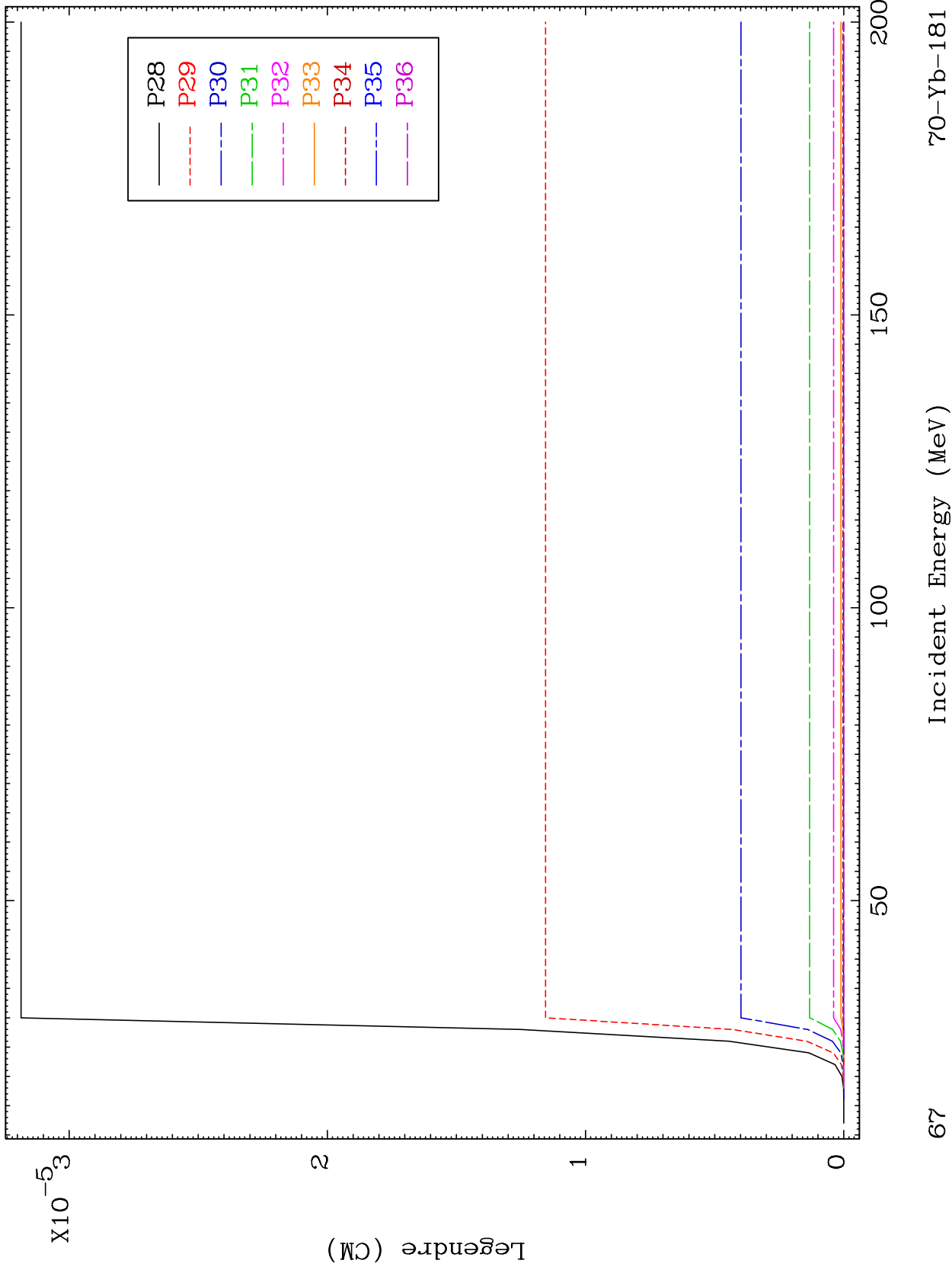


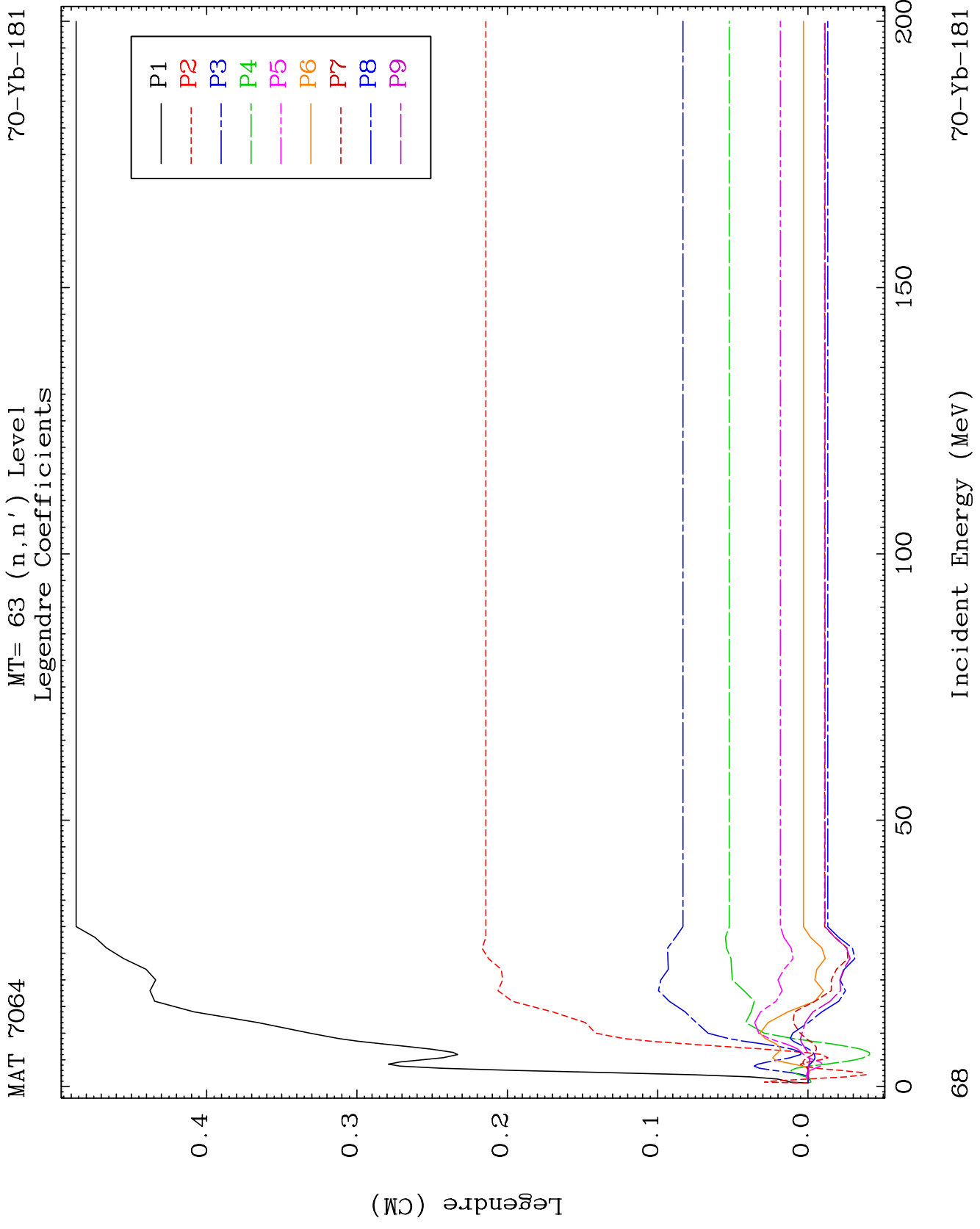
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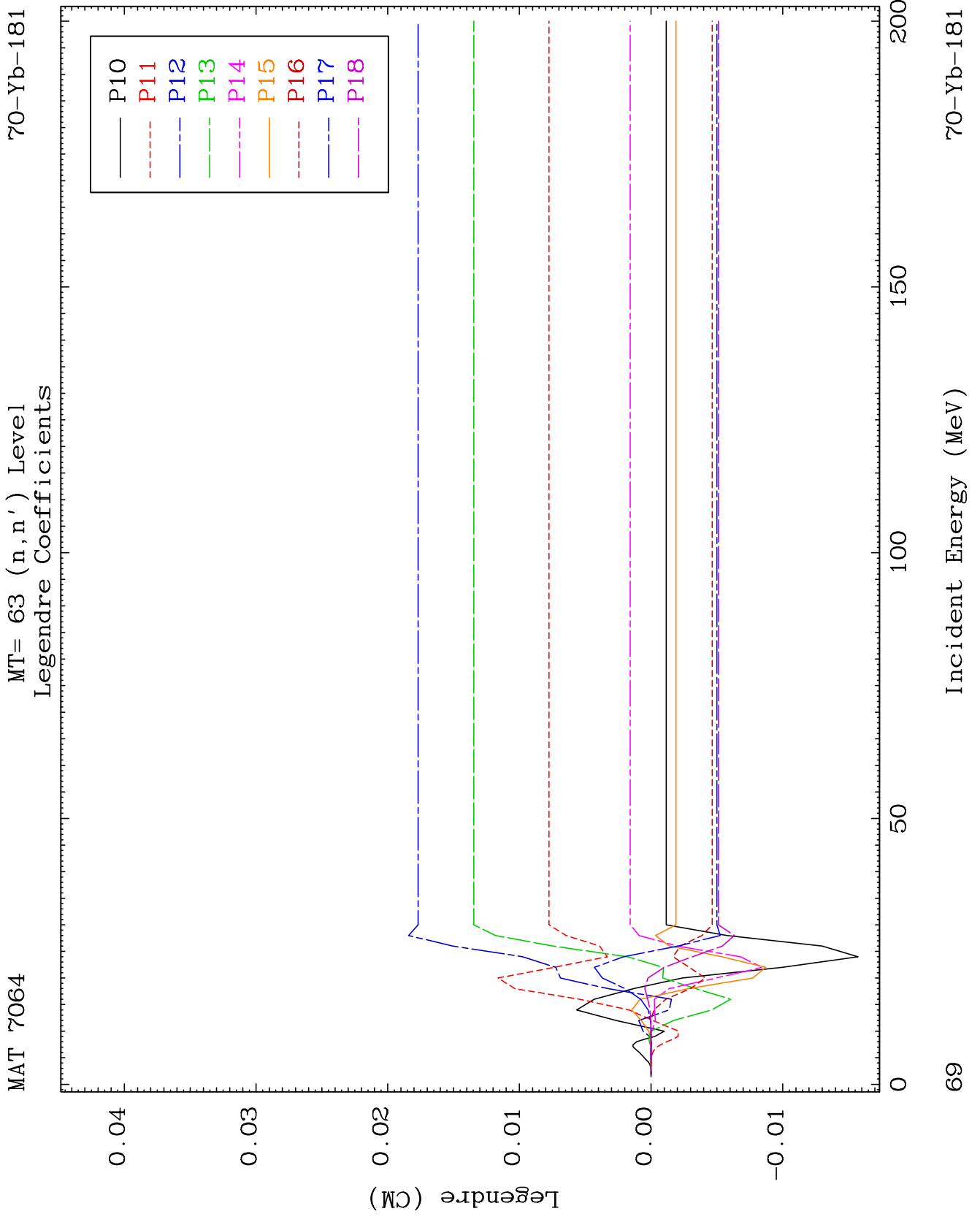
MAT 7064

MT= 62 (n,n') Level
Legendre Coefficients

70-Yb-181



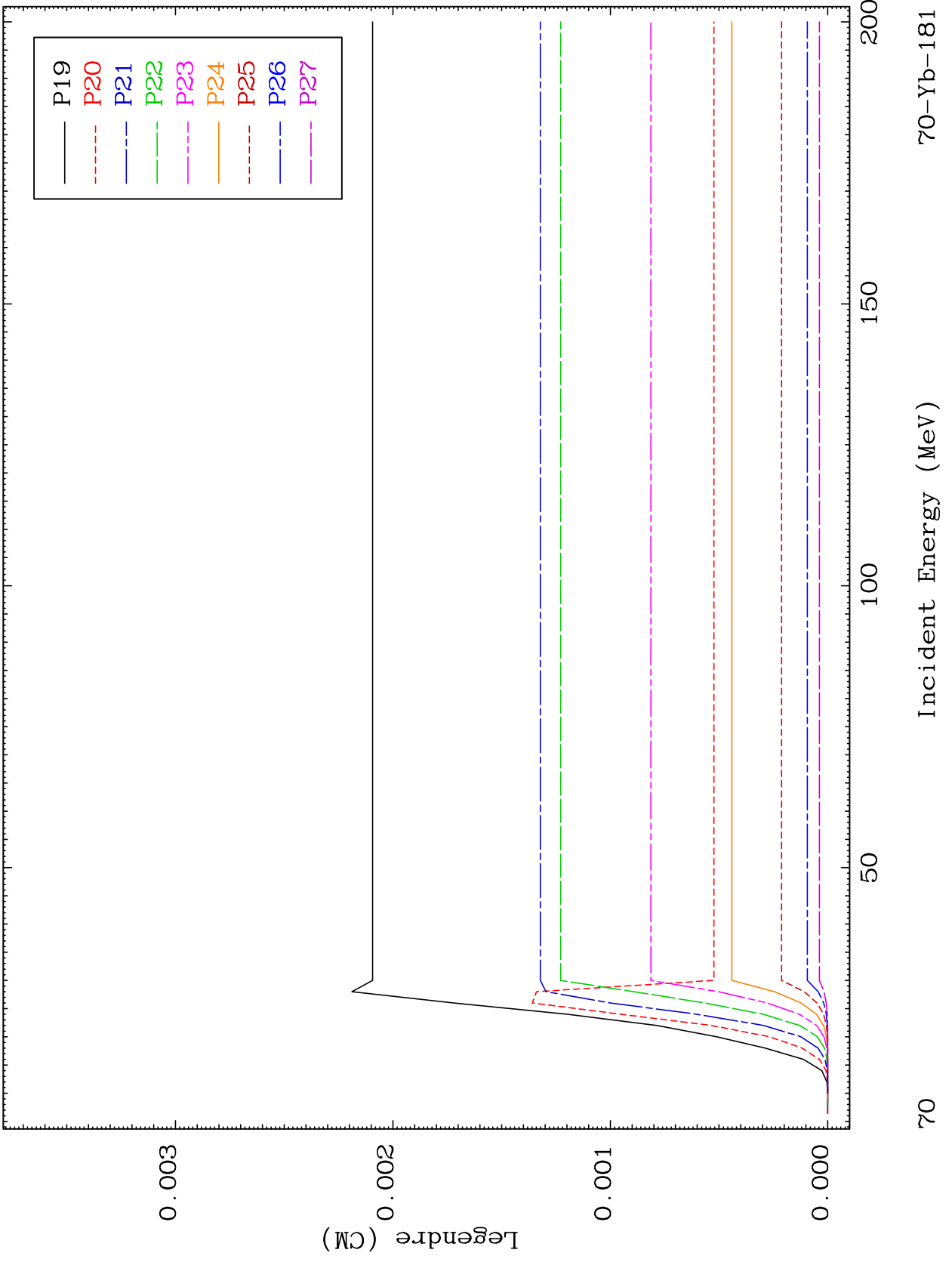




MAT 7064

MT= 63 (n,n') Level
Legendre Coefficients

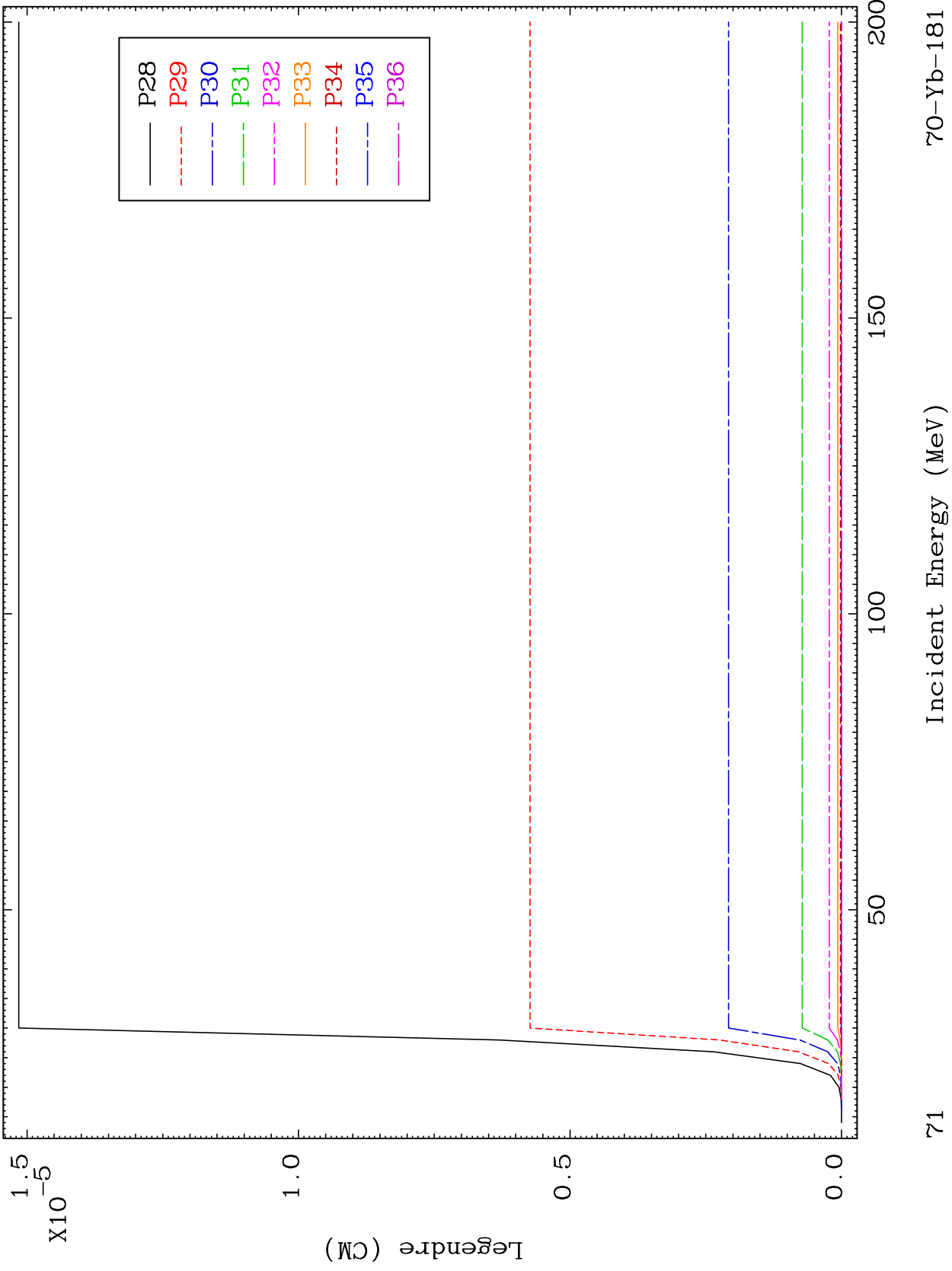
70-Yb-181

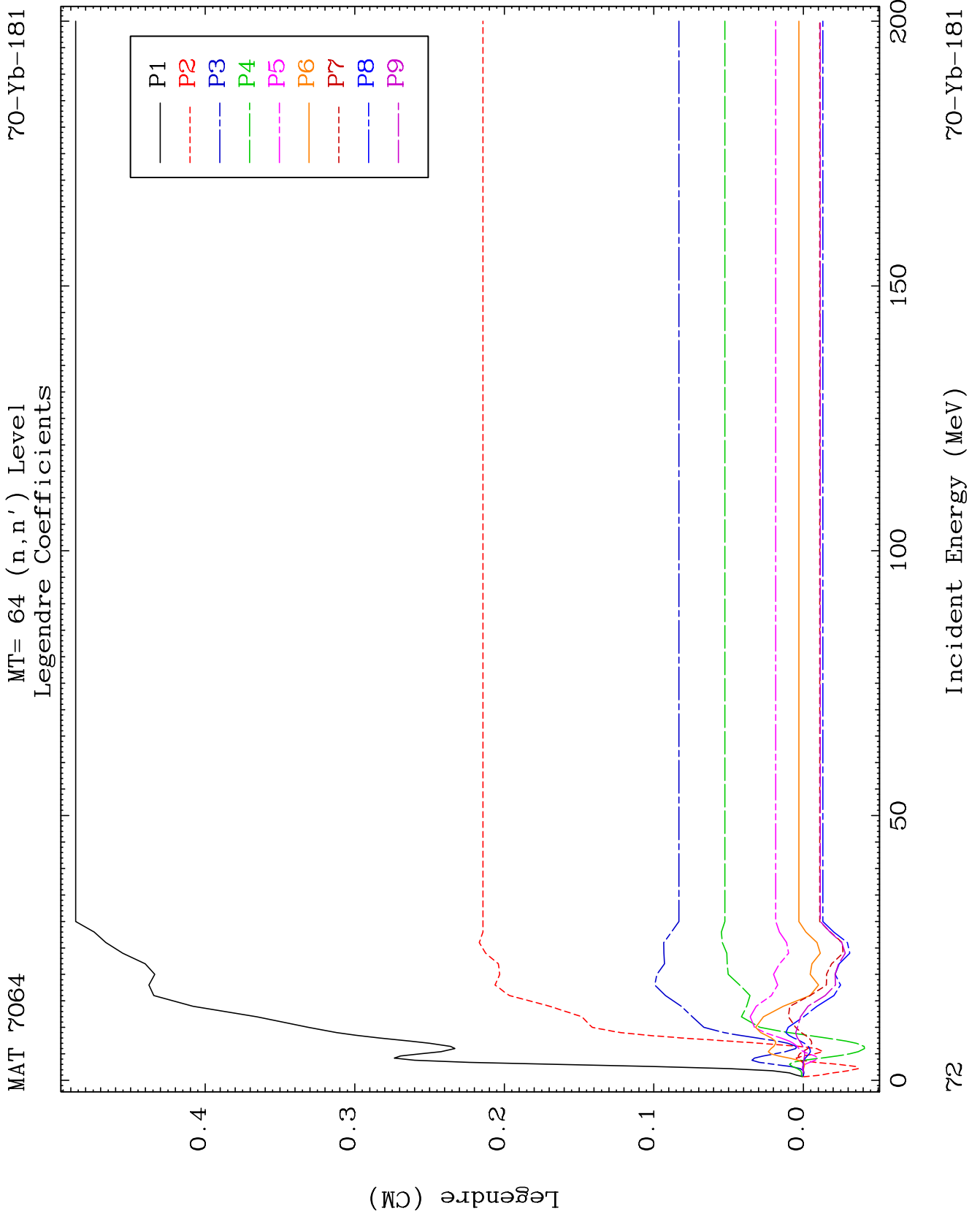


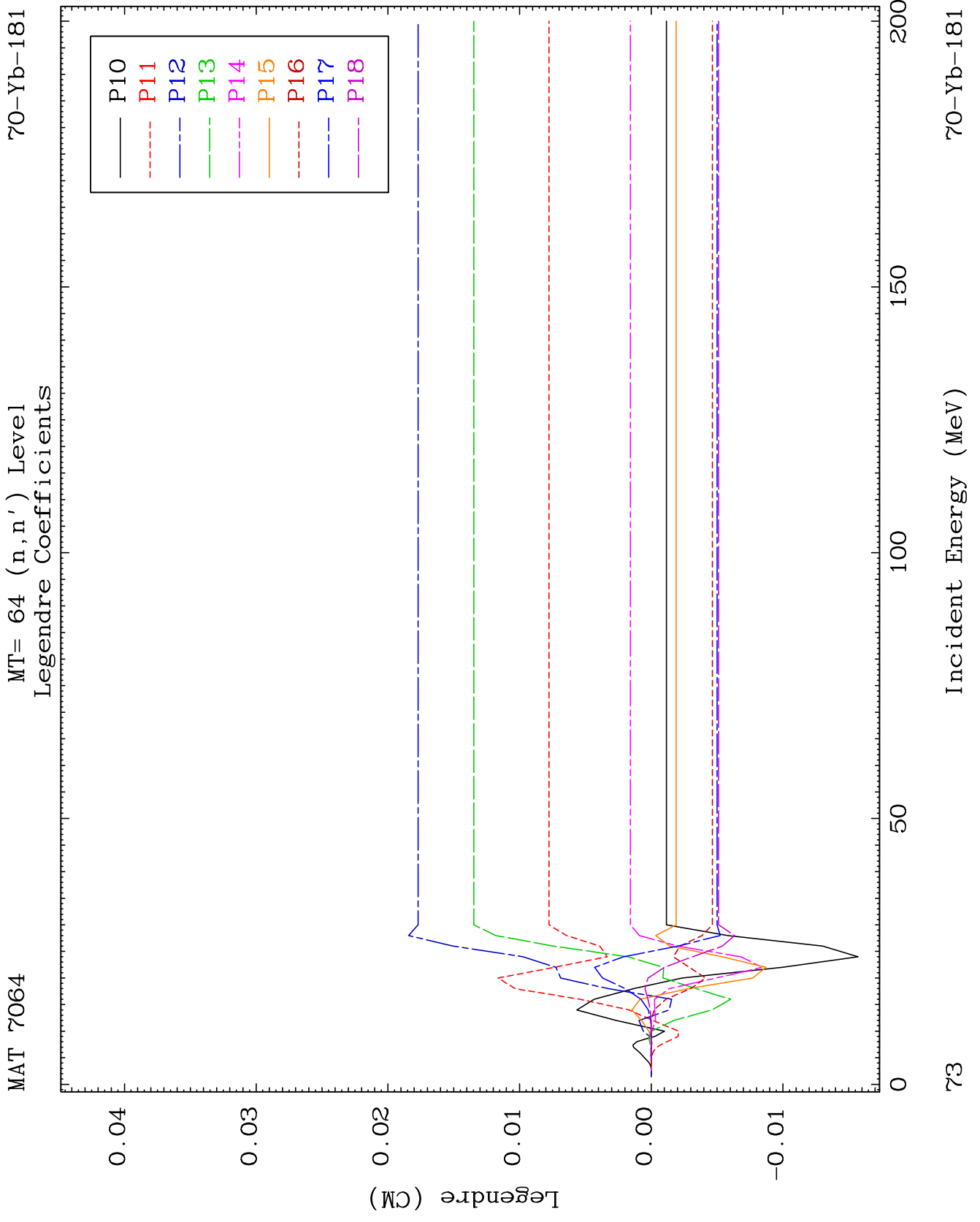
MAT 7064

MT= 63 (n,n') Level
Legendre Coefficients

70-Yb-181



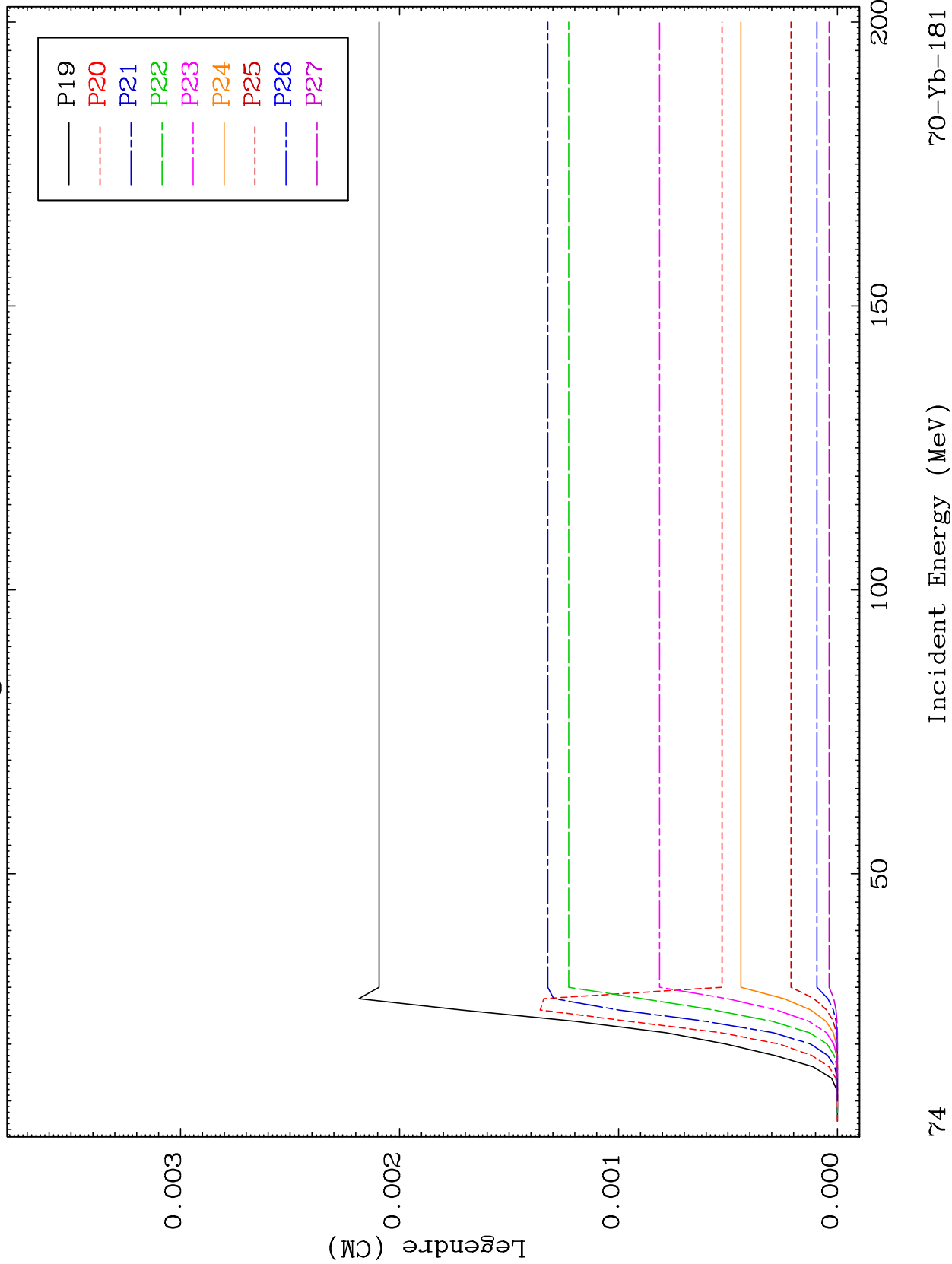




MAT 7064

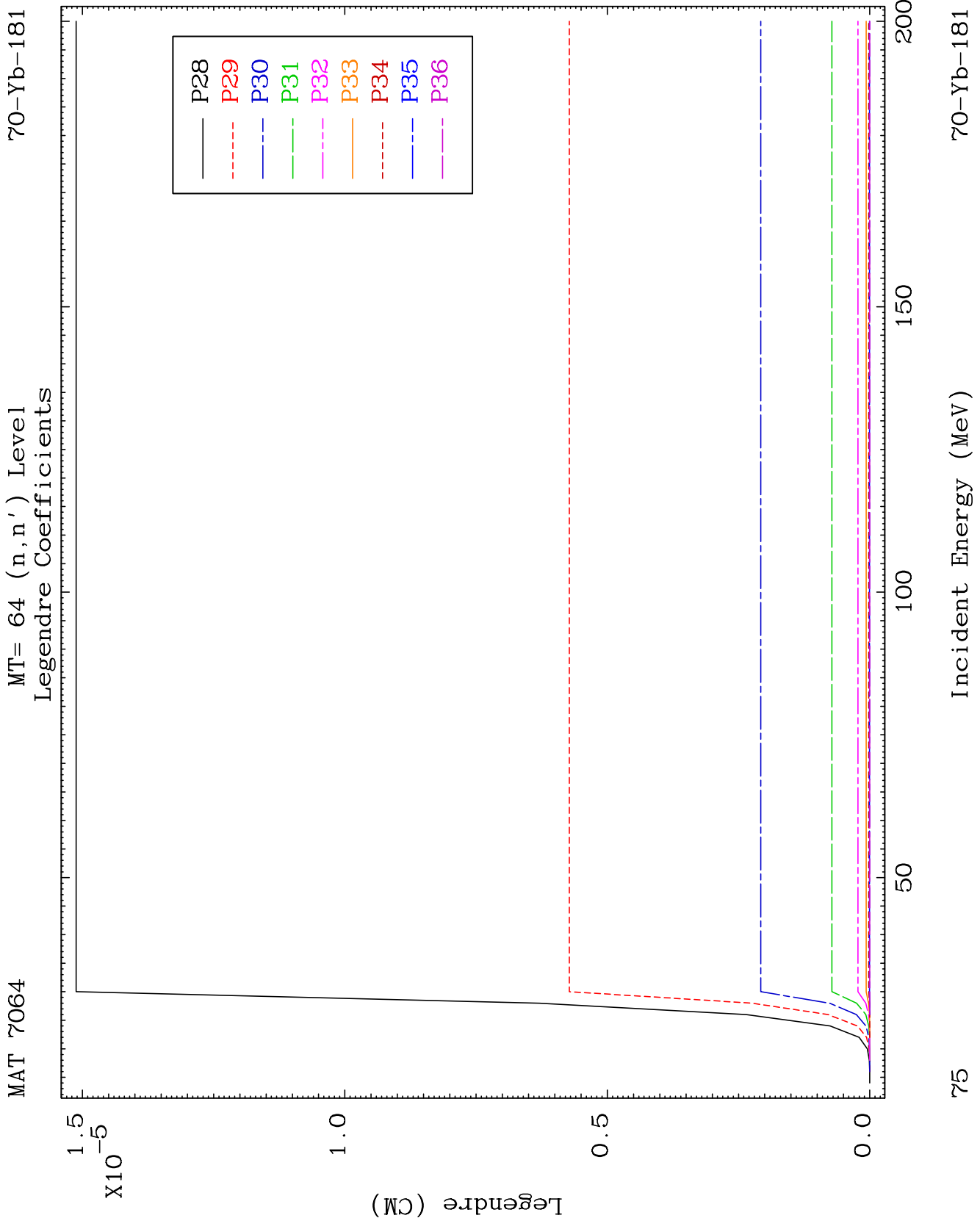
MT= 64 (n,n') Level
Legendre Coefficients

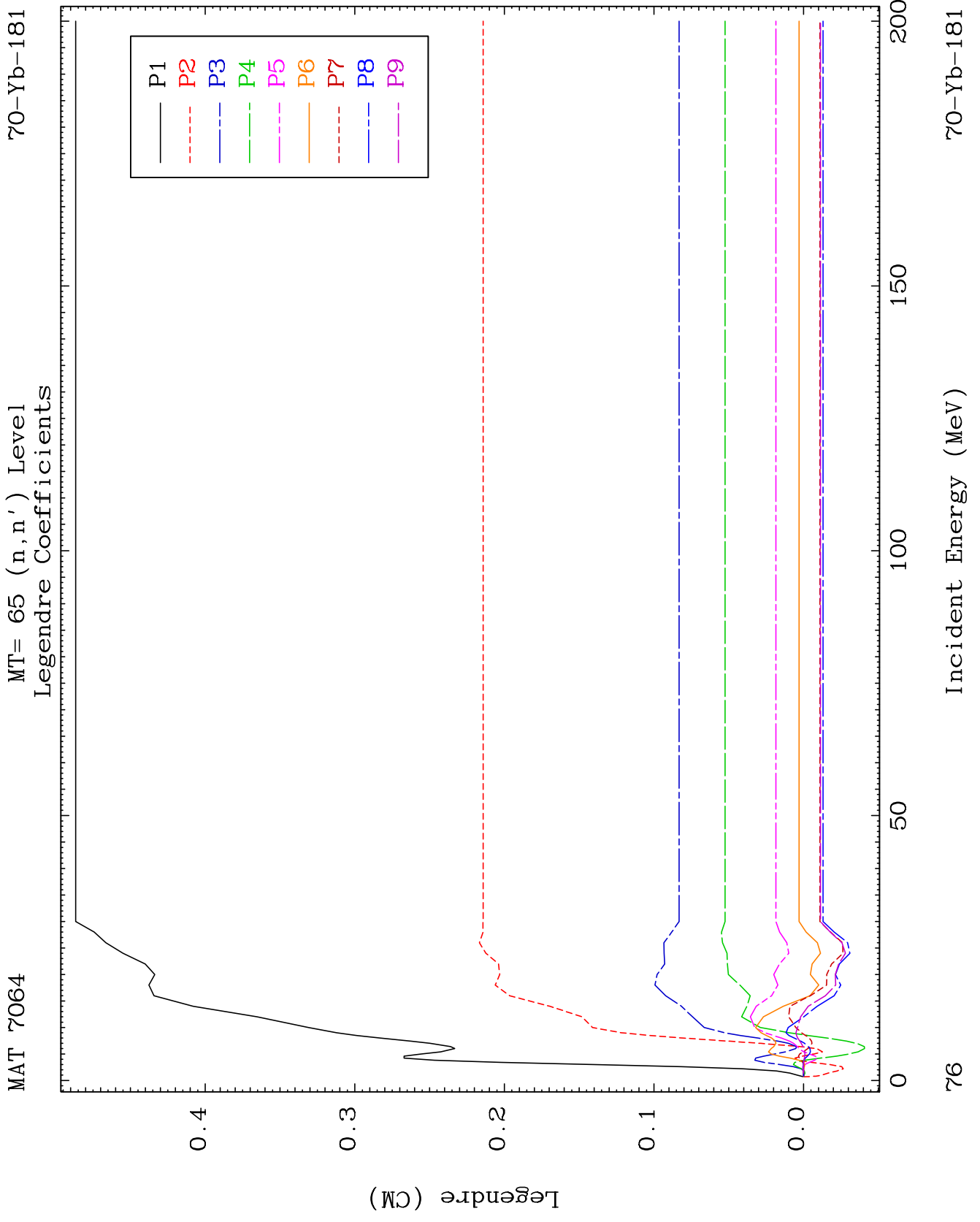
70-Yb-181

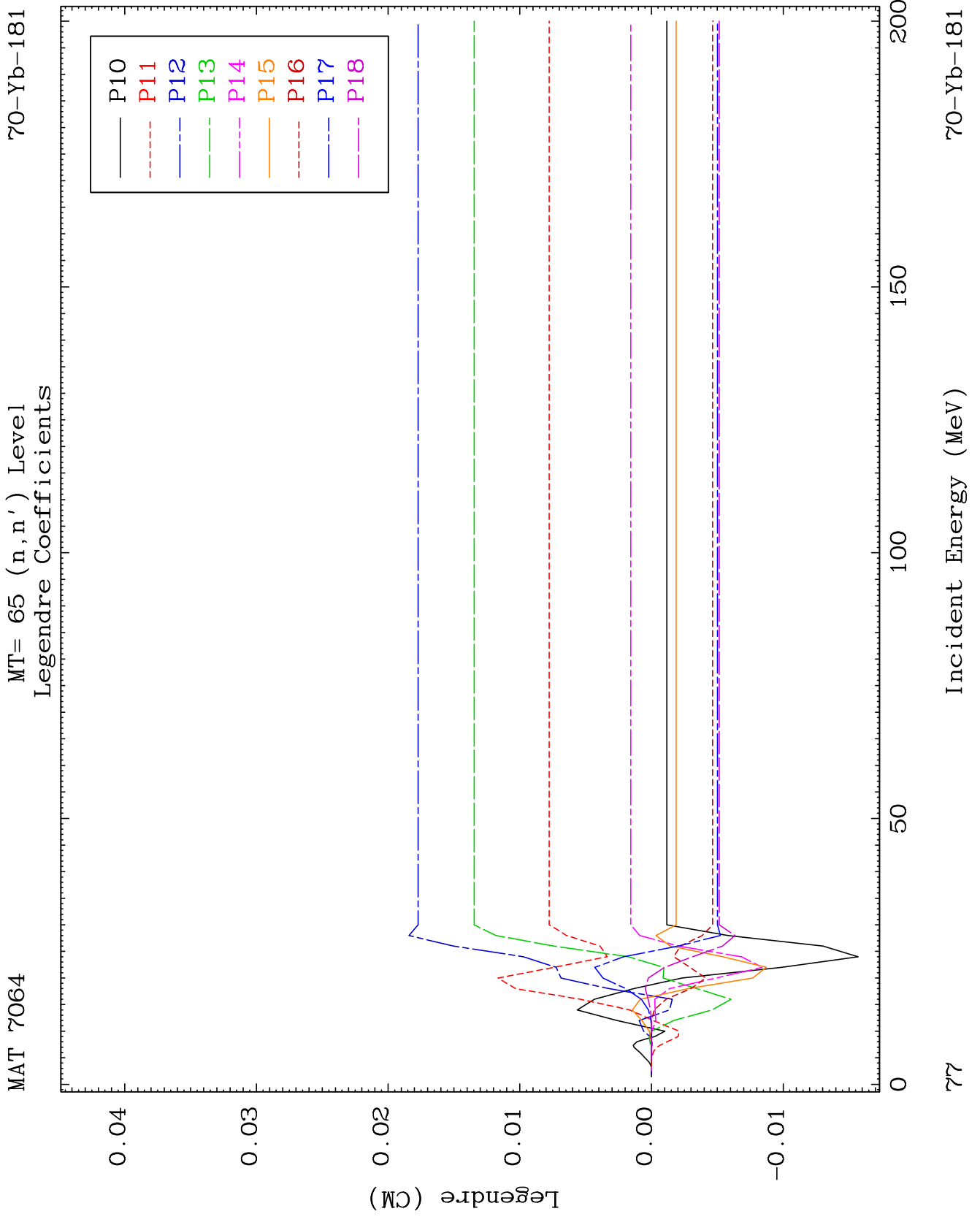


74

70-Yb-181



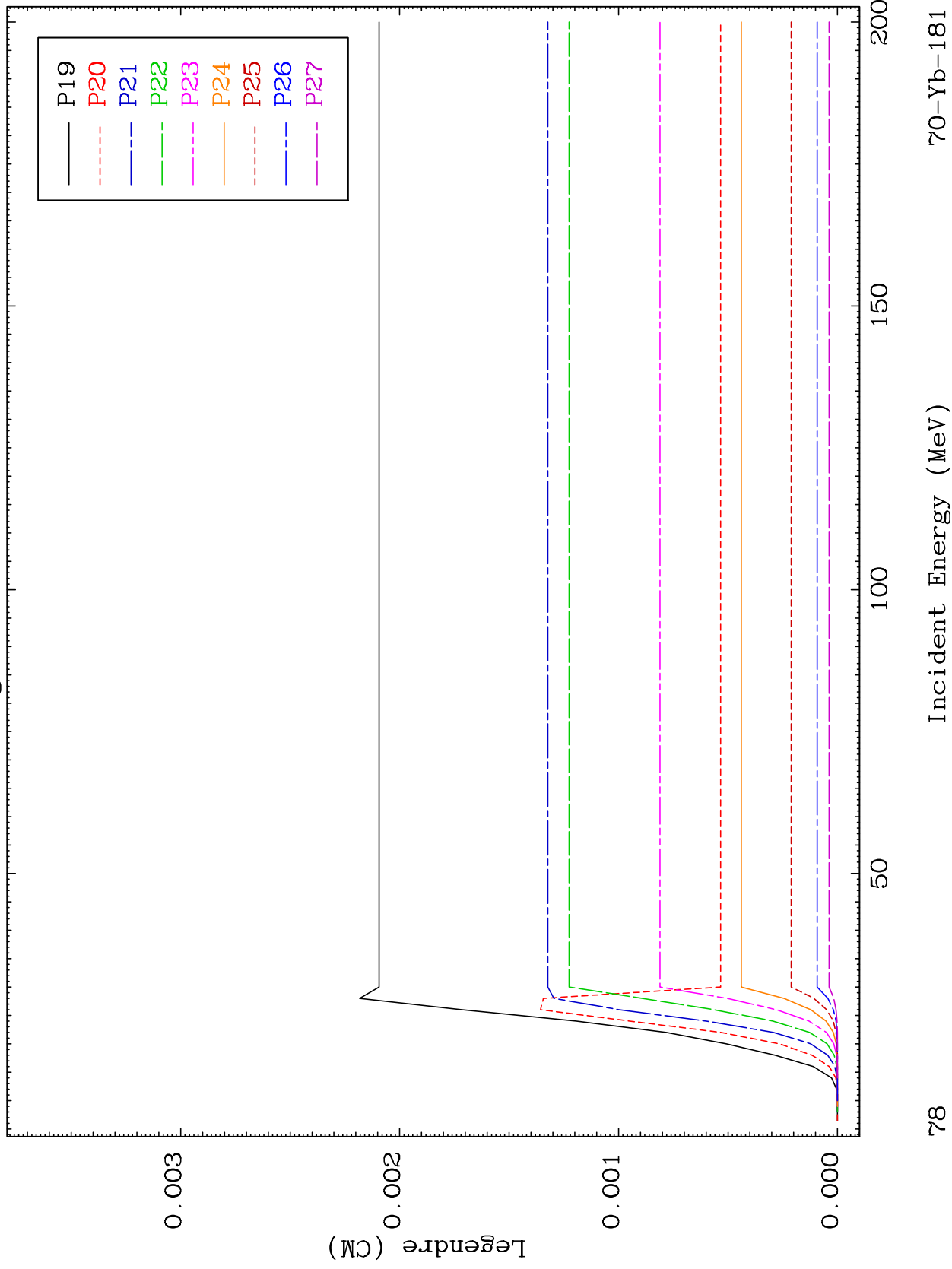




MAT 7064

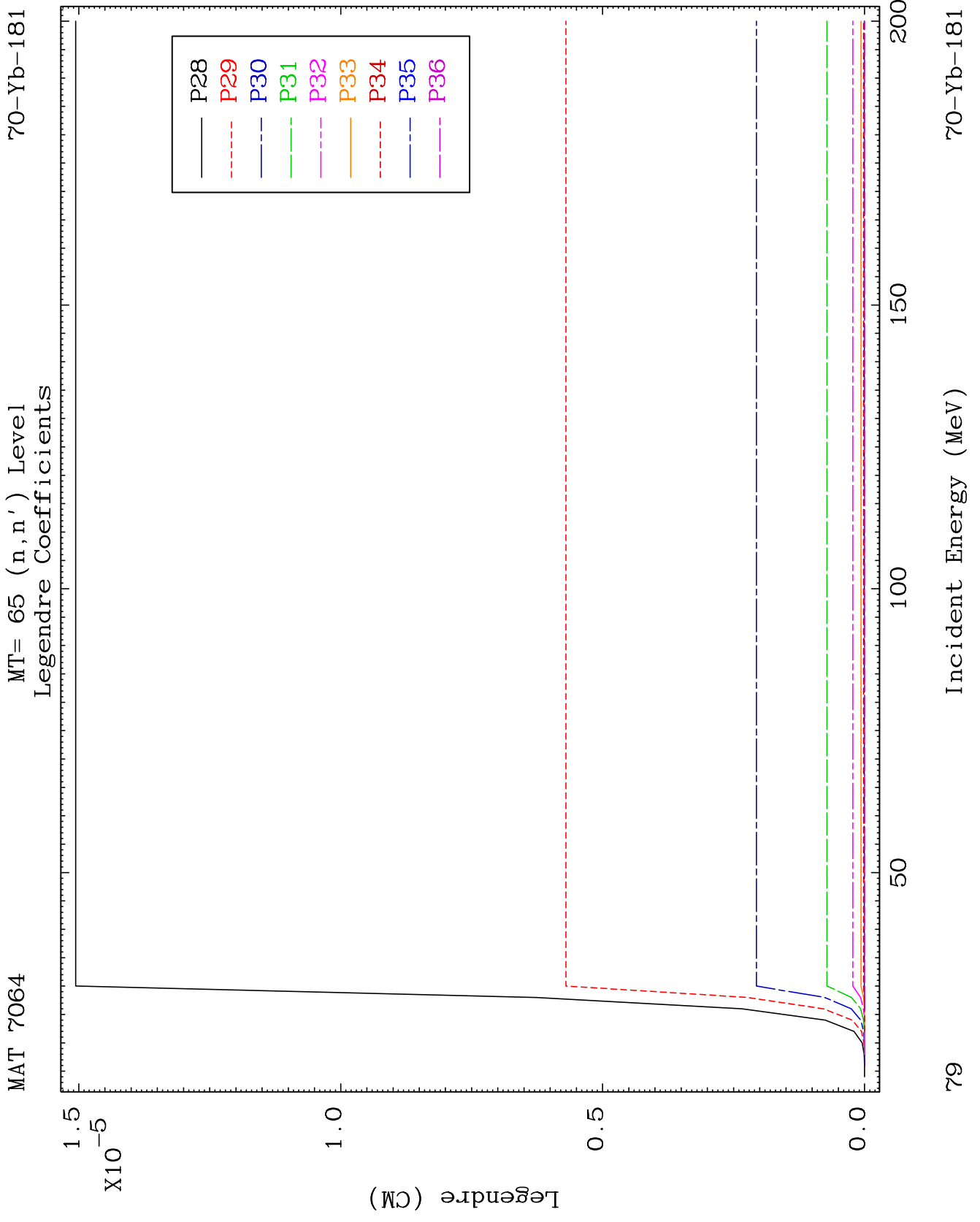
MT= 65 (n,n') Level
Legendre Coefficients

70-Yb-181



78

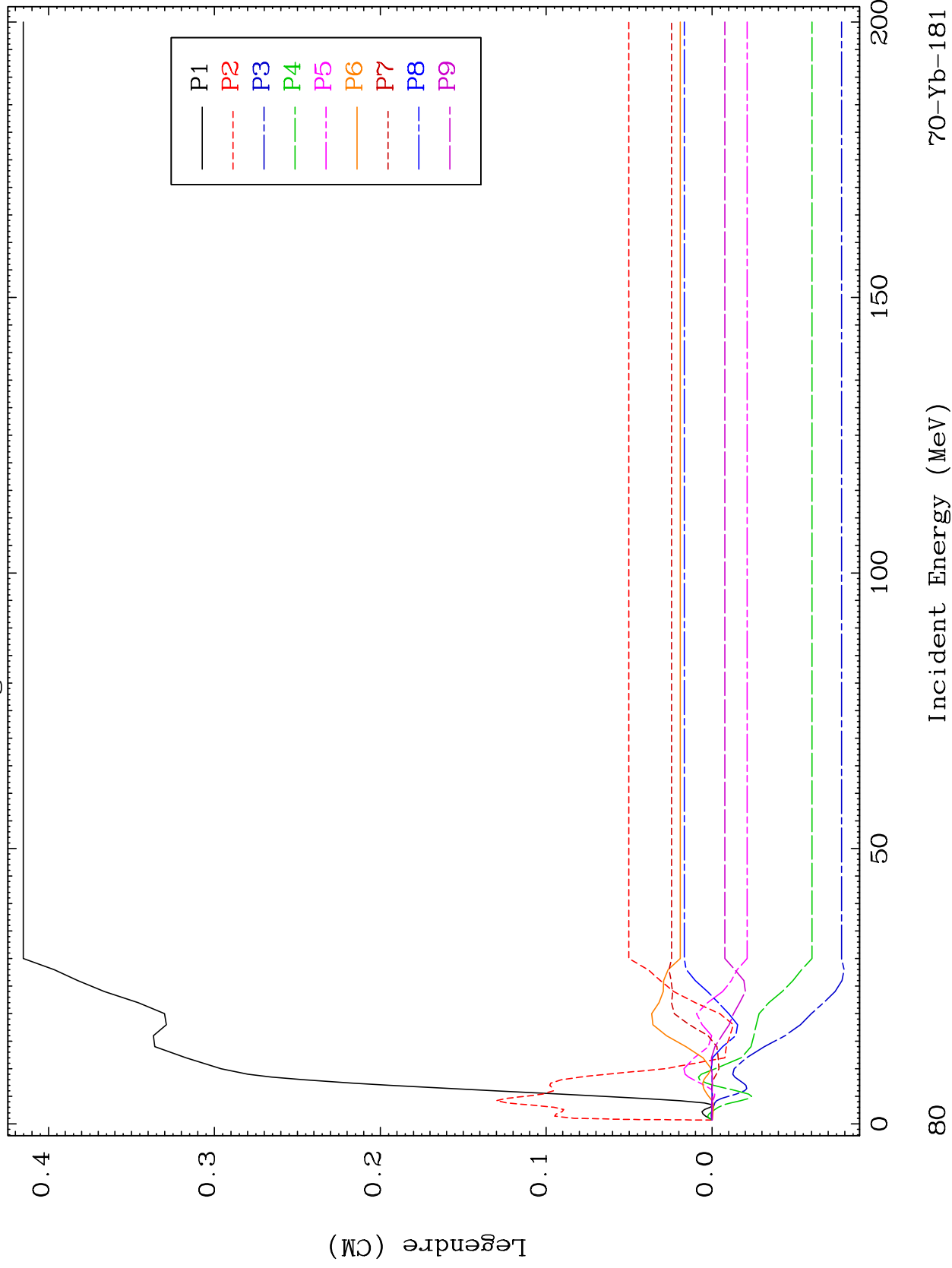
70-Yb-181



MAT 7064

MT= 66 (n,n') Level
Legendre Coefficients

70-Yb-181



70-Yb-181

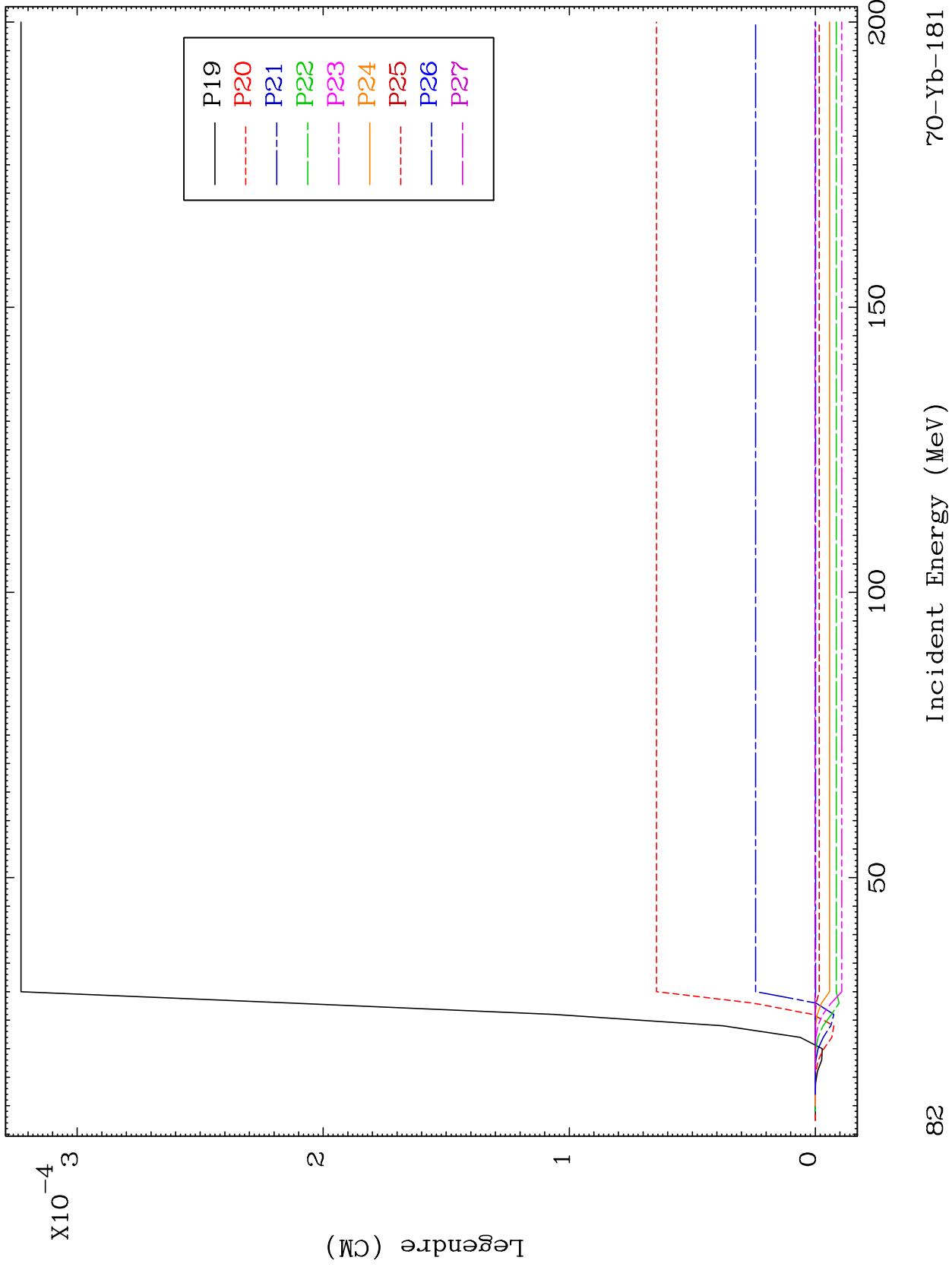
Incident Energy (MeV)

80

MAT 7064

MT= 66 (n,n') Level
Legendre Coefficients

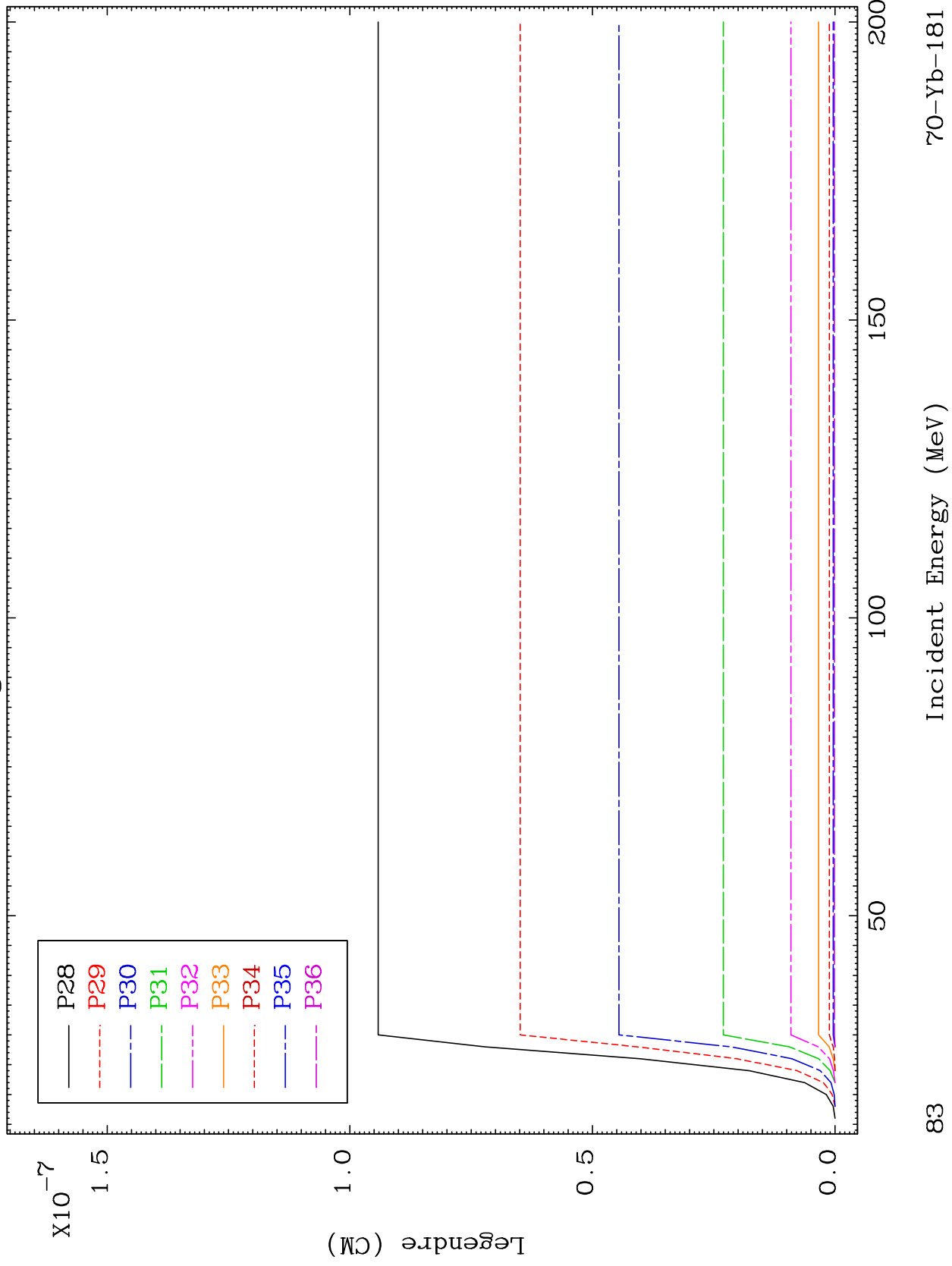
70-Yb-181



MAT 7064

MT= 66 (n,n') Level
Legendre Coefficients

70-Yb-181



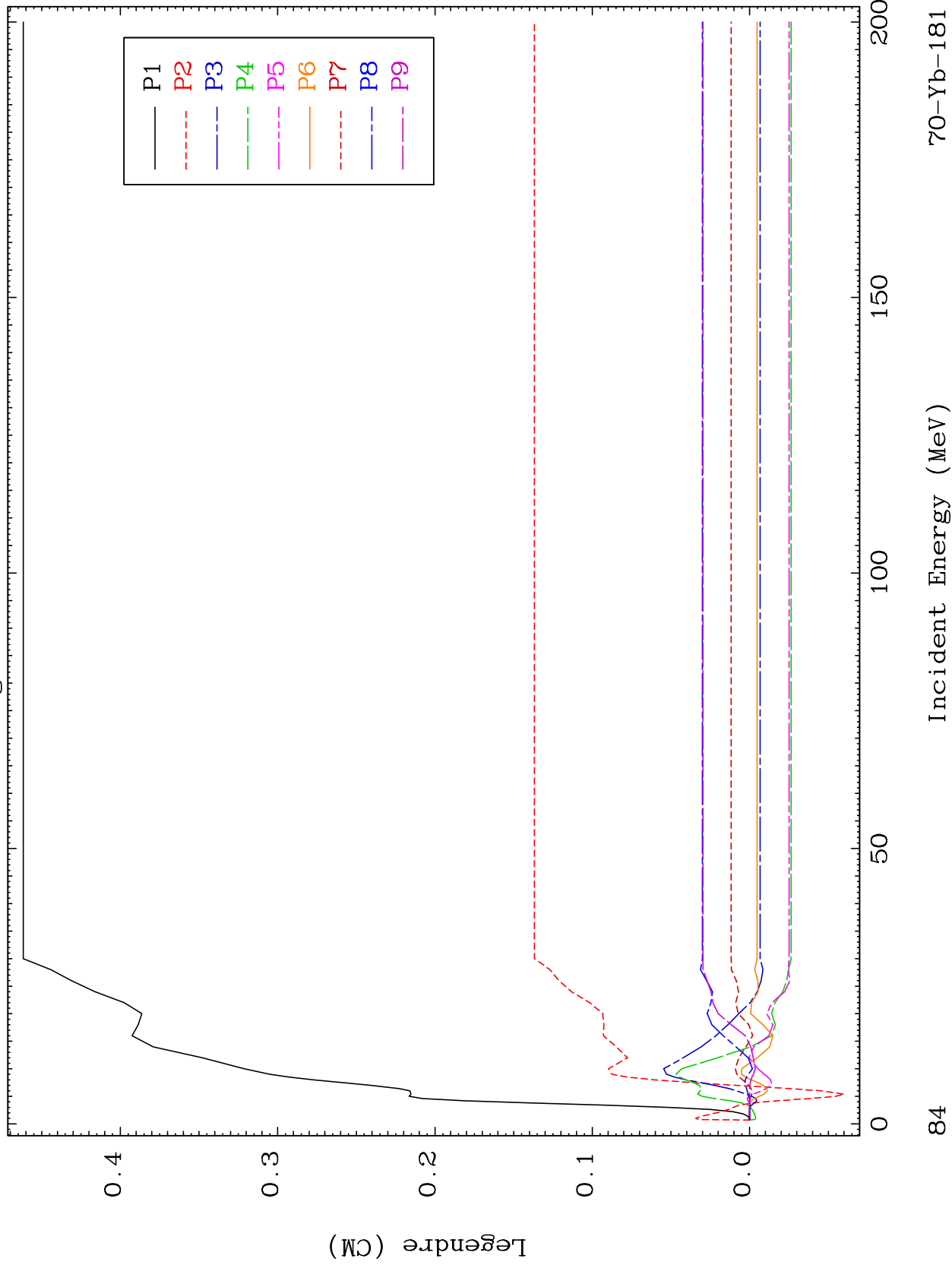
83

70-Yb-181

MAT 7064

MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-181



84

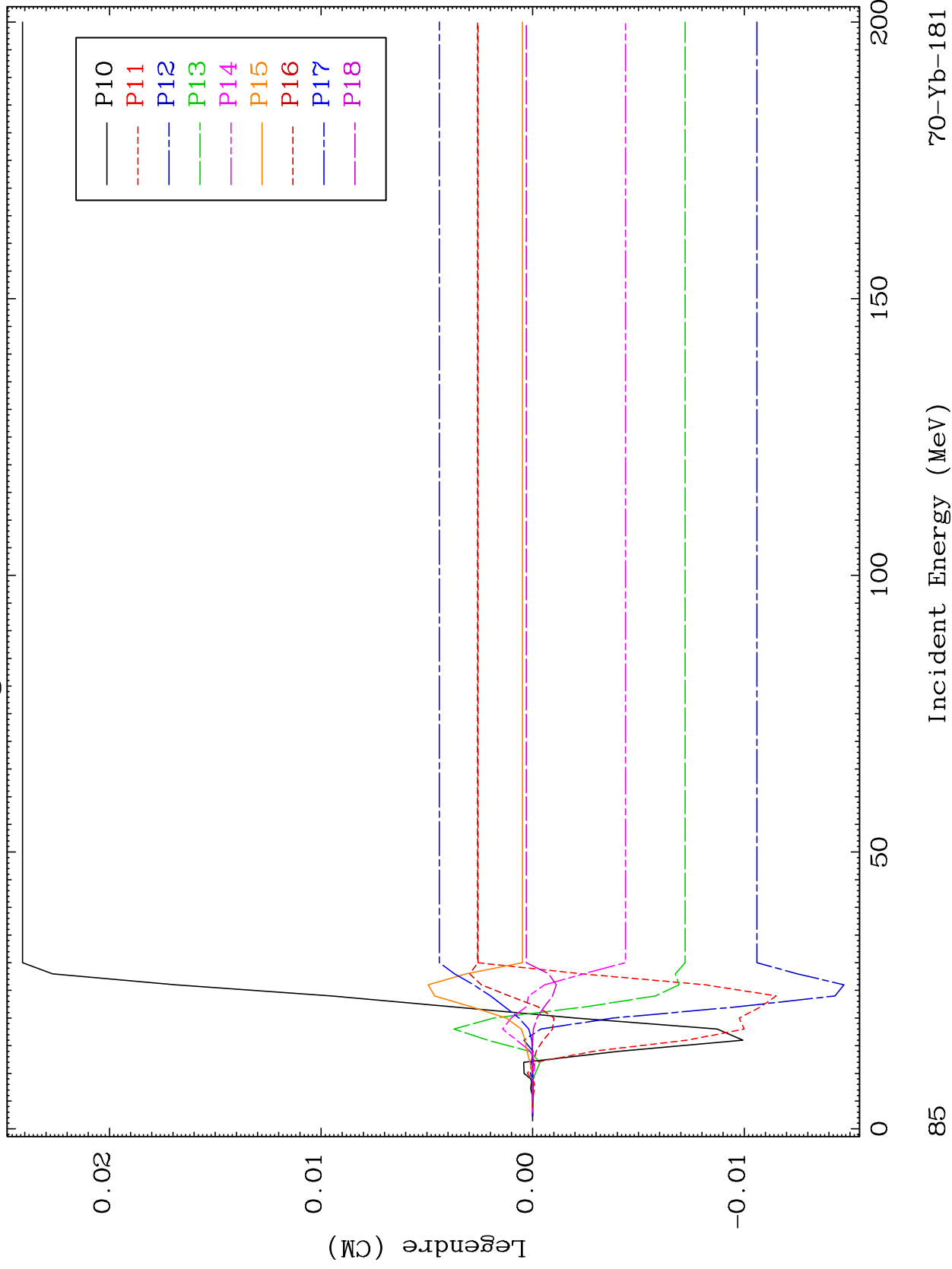
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-181



70-Yb-181

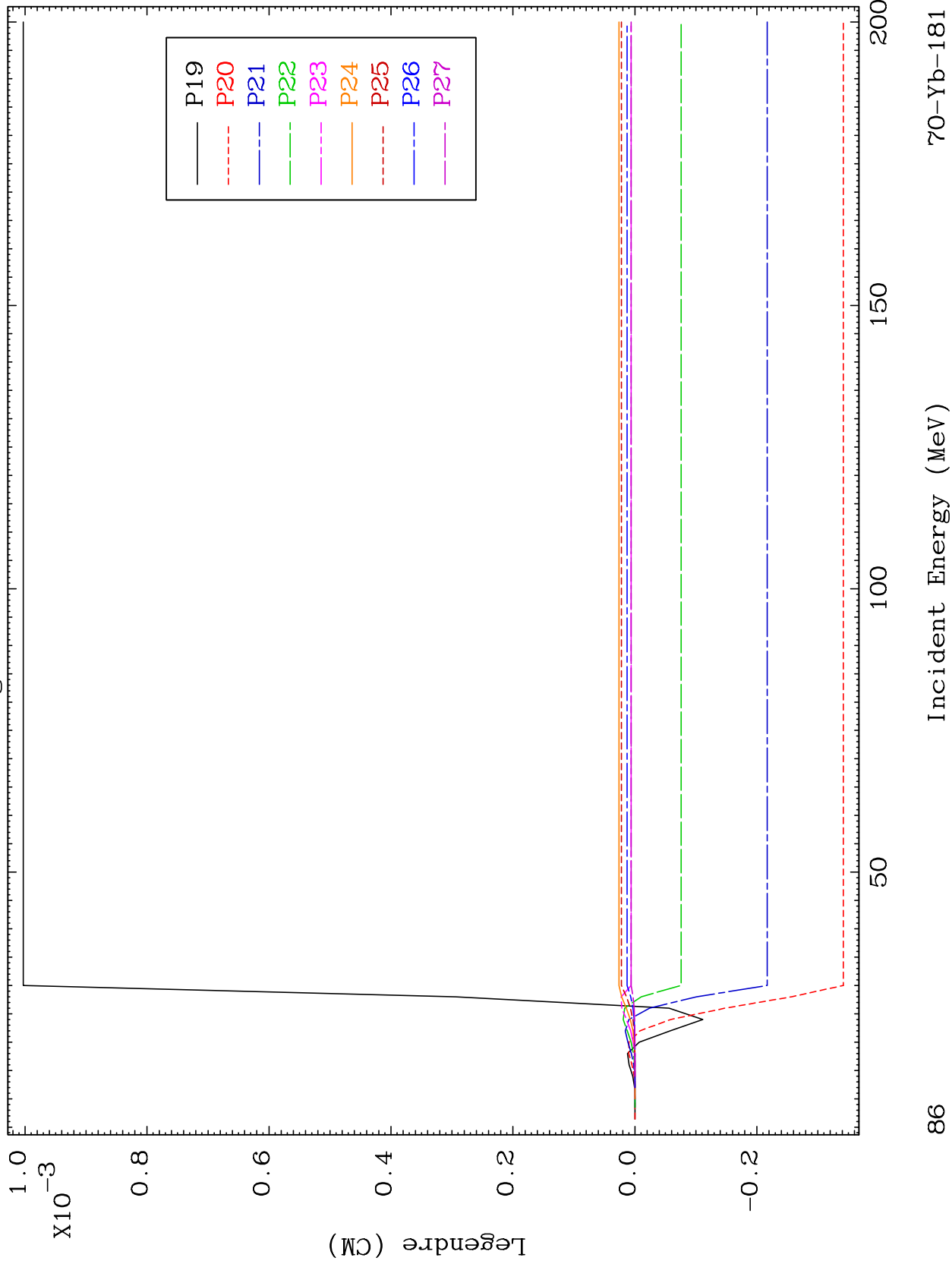
Incident Energy (MeV)

85

MAT 7064

MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-181



86

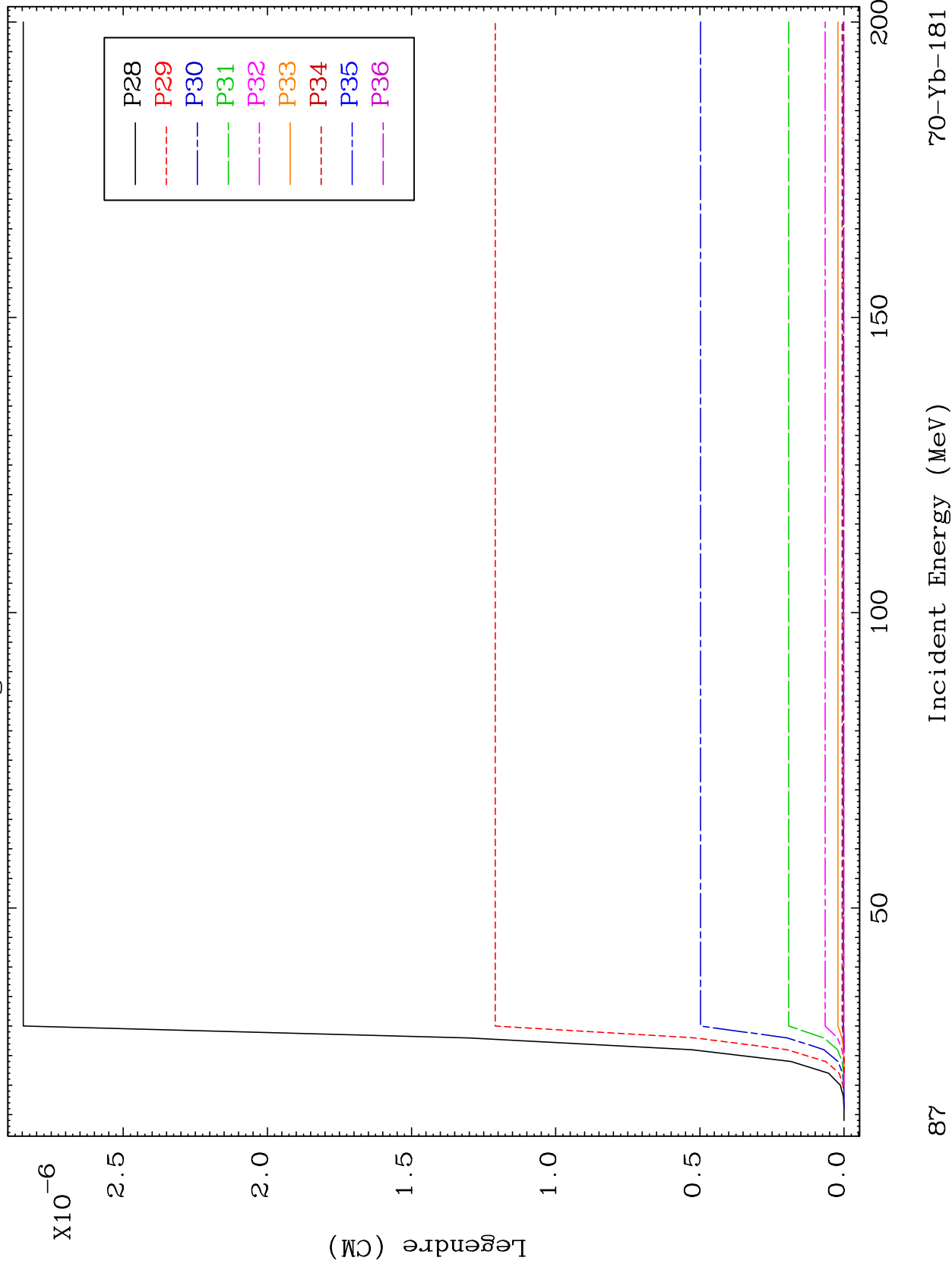
Incident Energy (MeV)

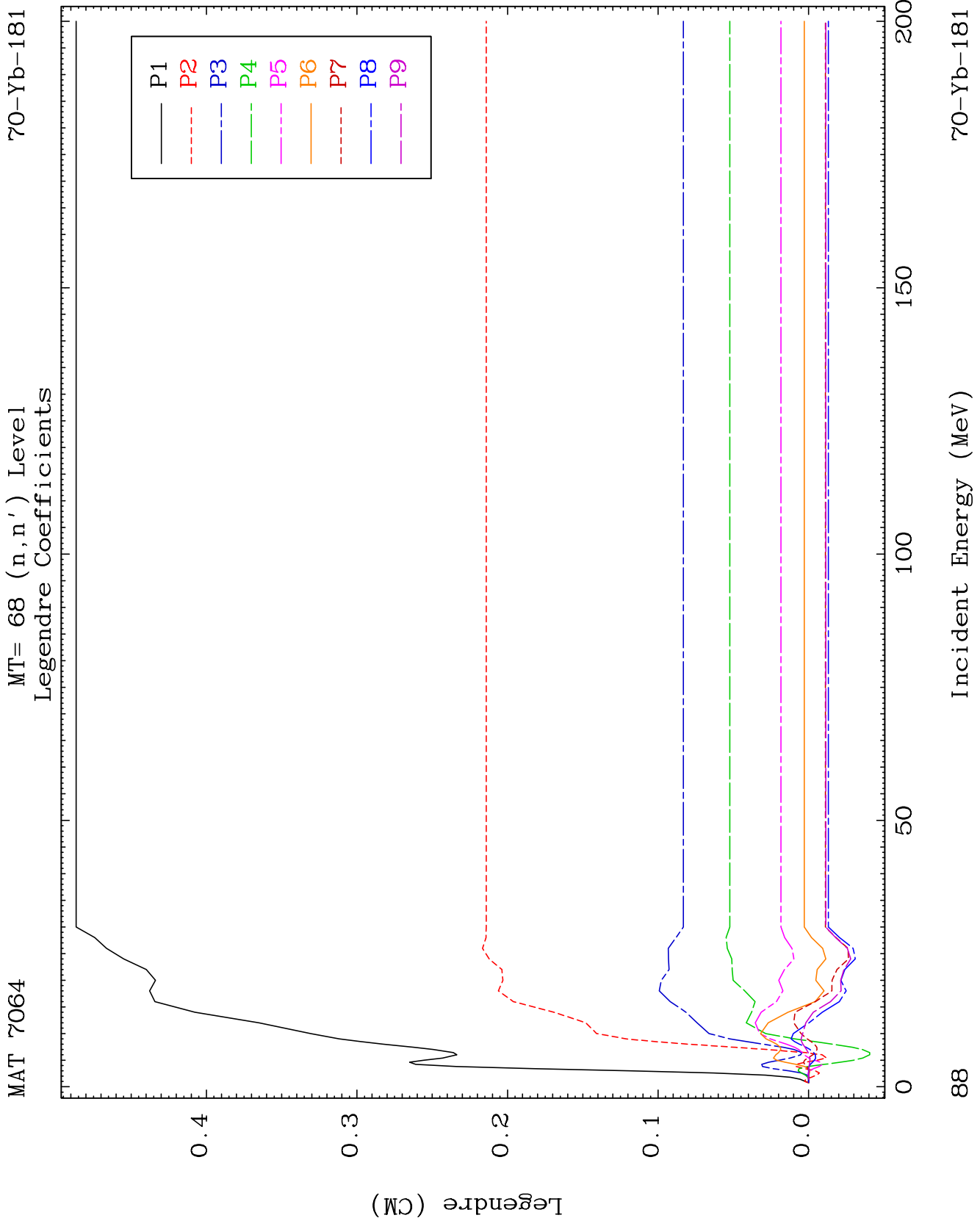
70-Yb-181

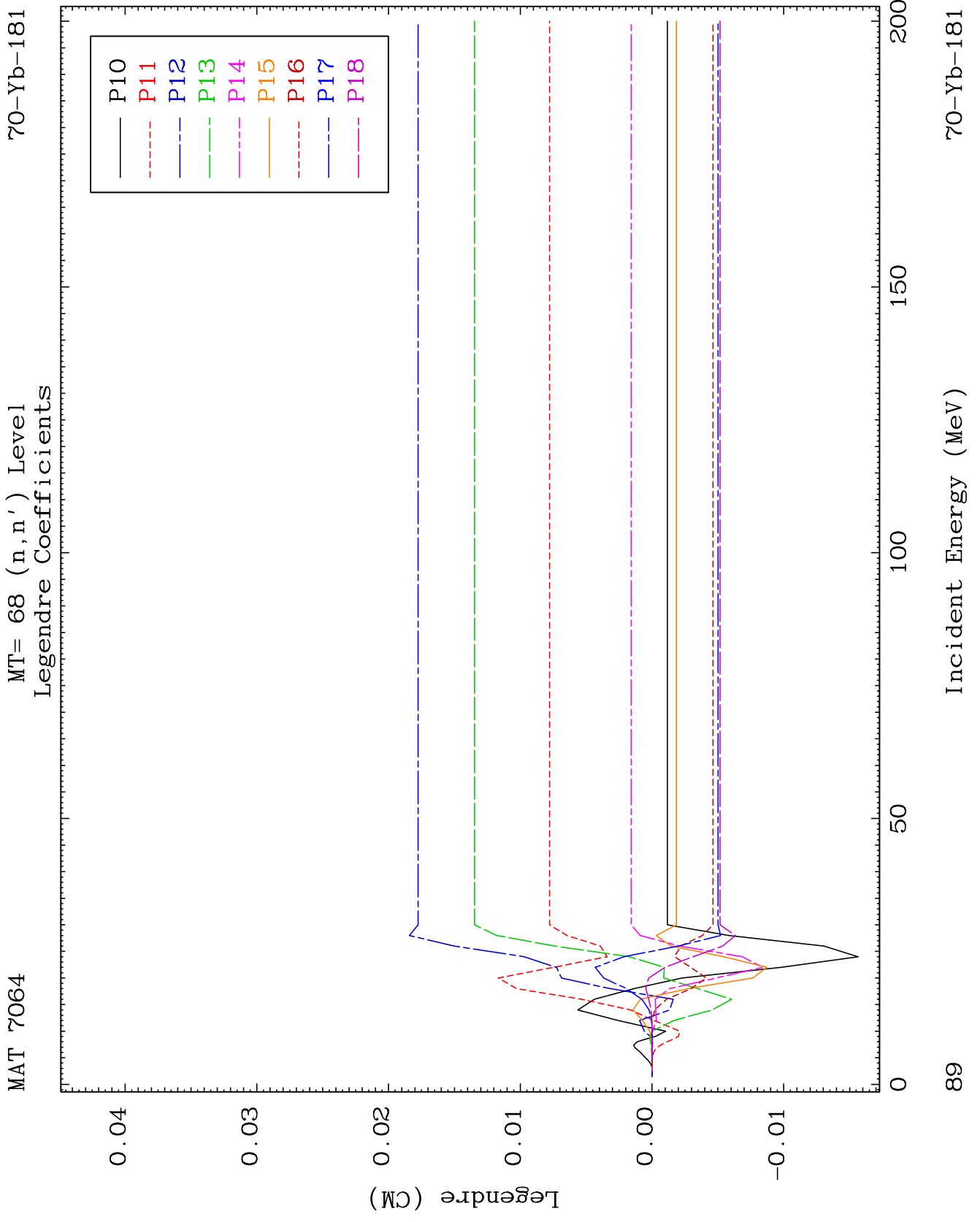
MAT 7064

MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-181



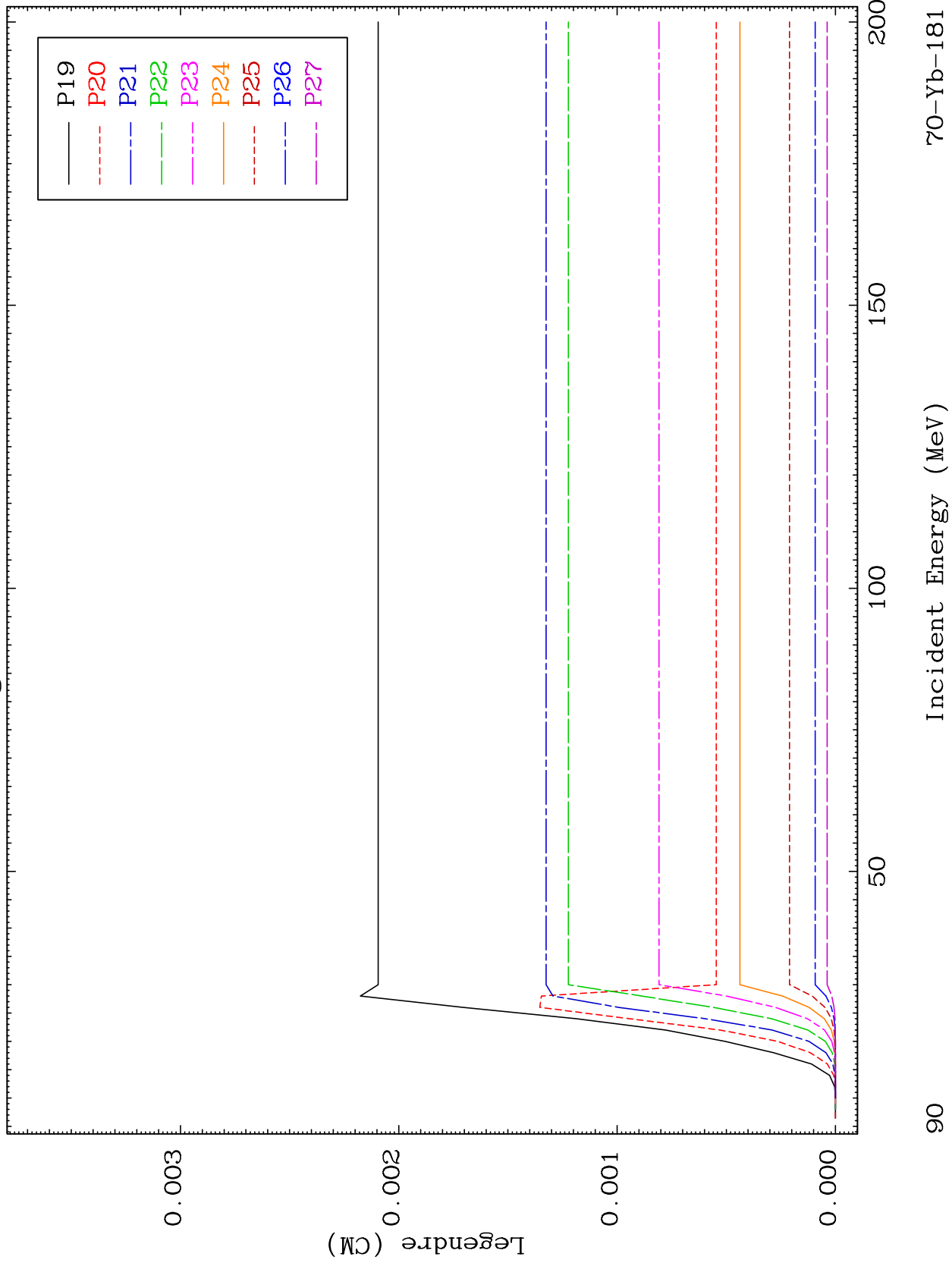


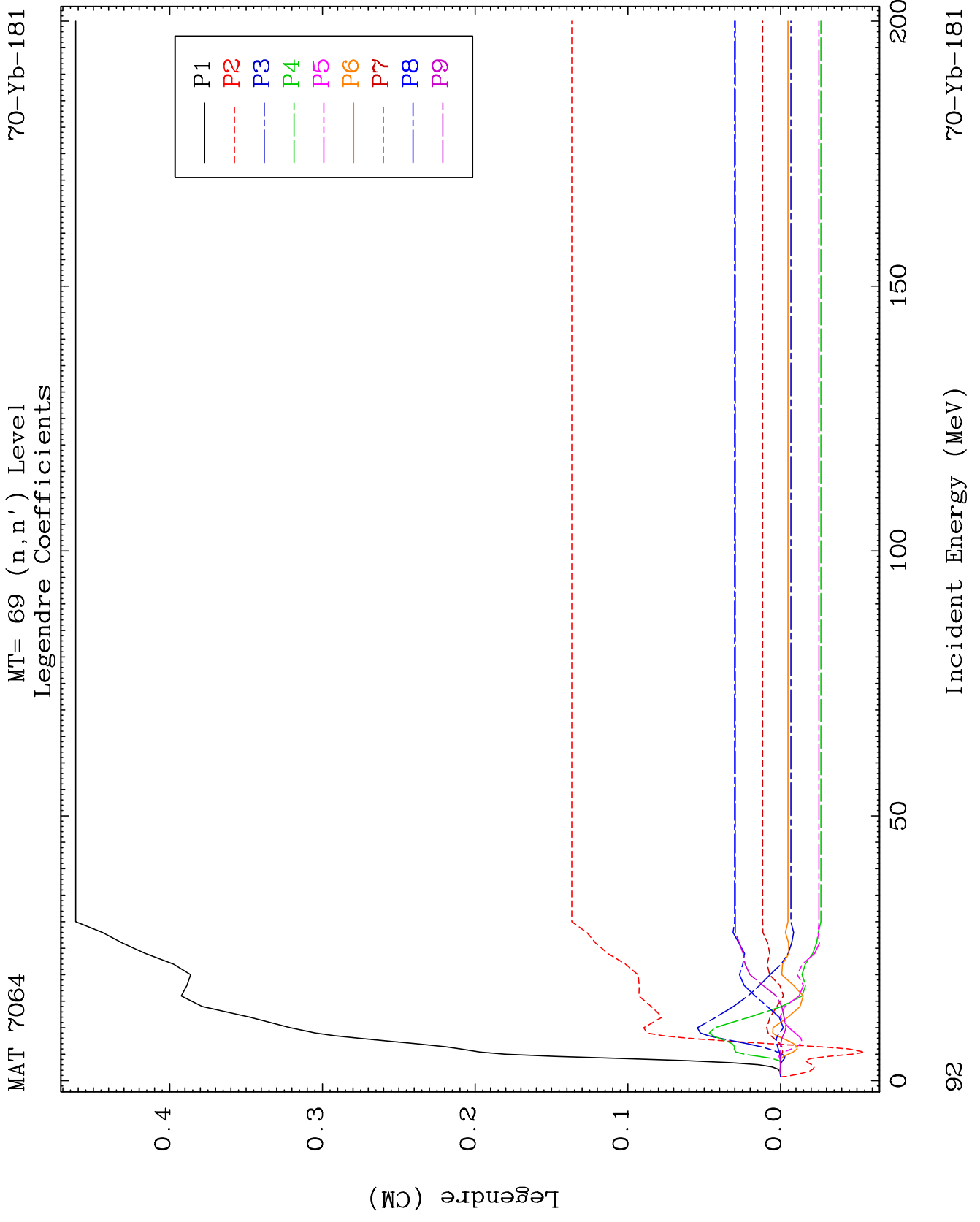


MAT 7064

MT= 68 (n,n') Level
Legendre Coefficients

70-Yb-181

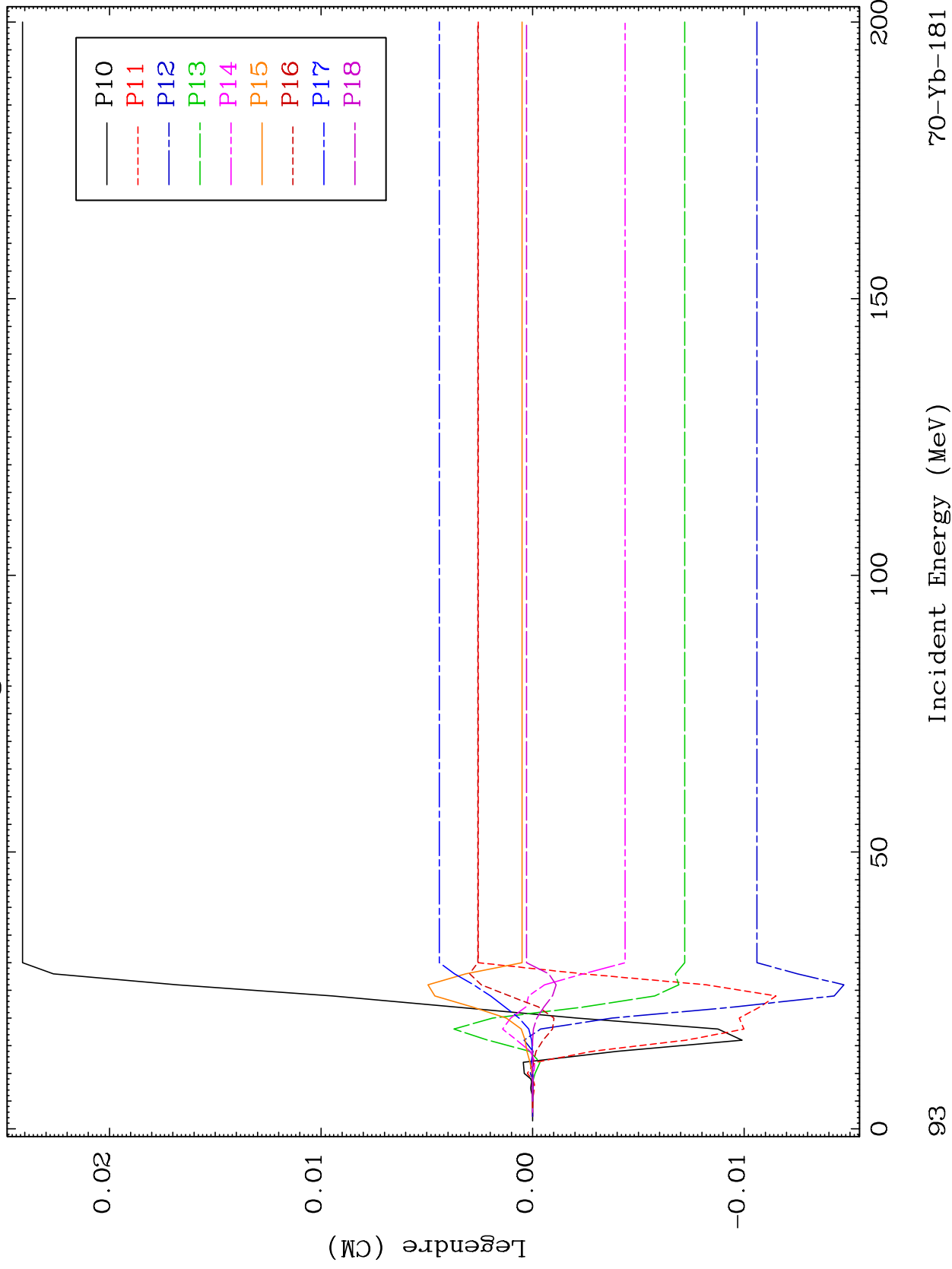


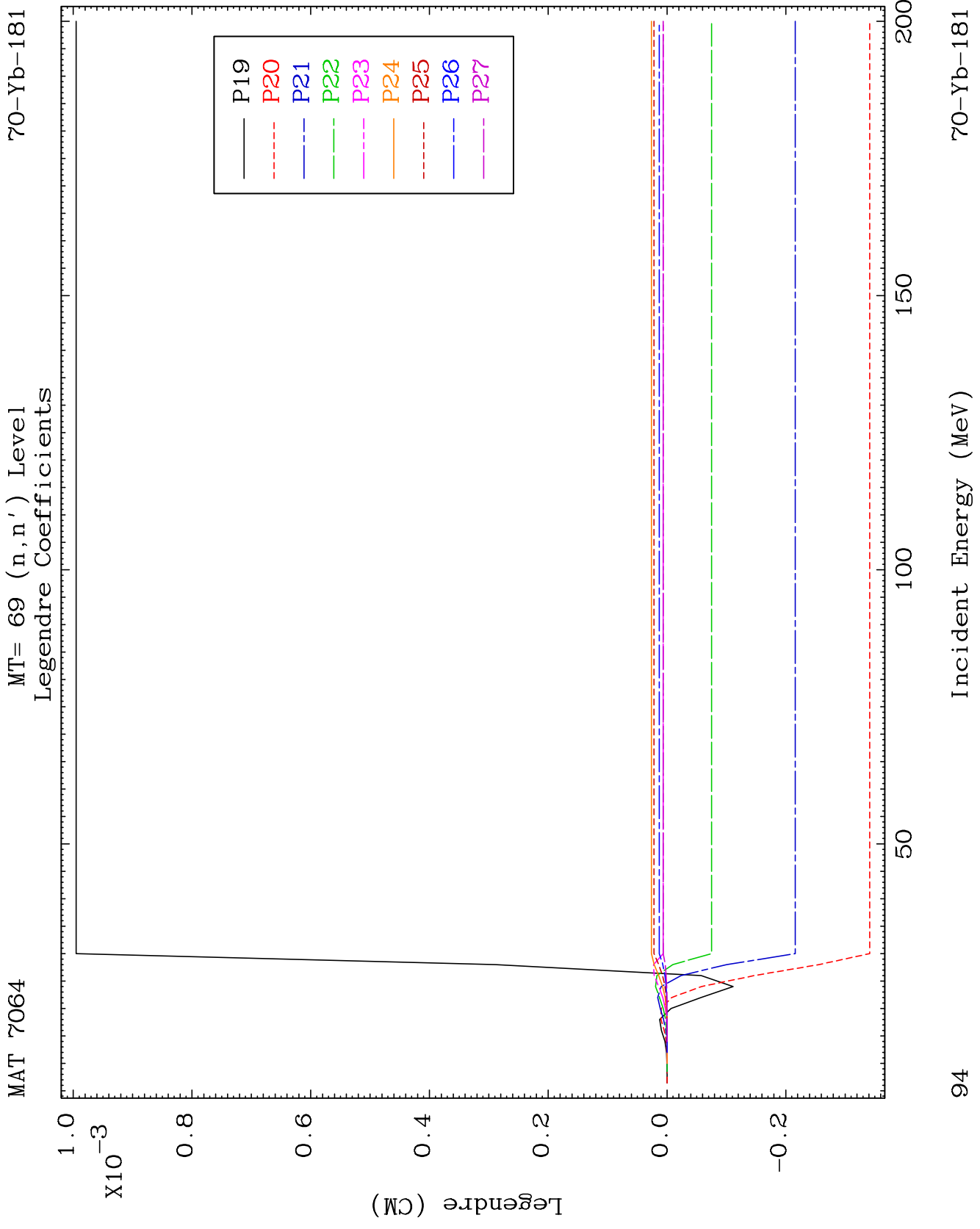


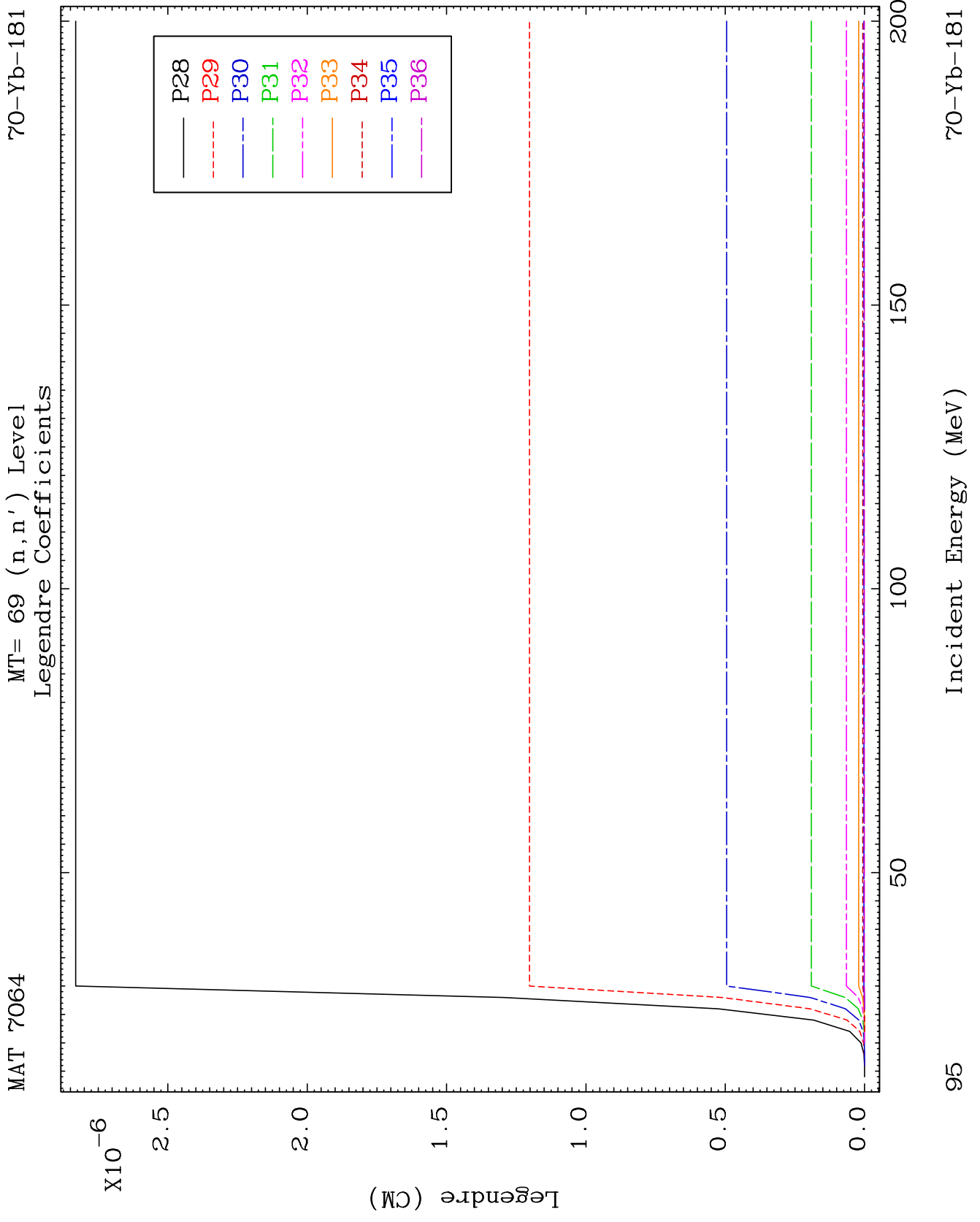
MAT 7064

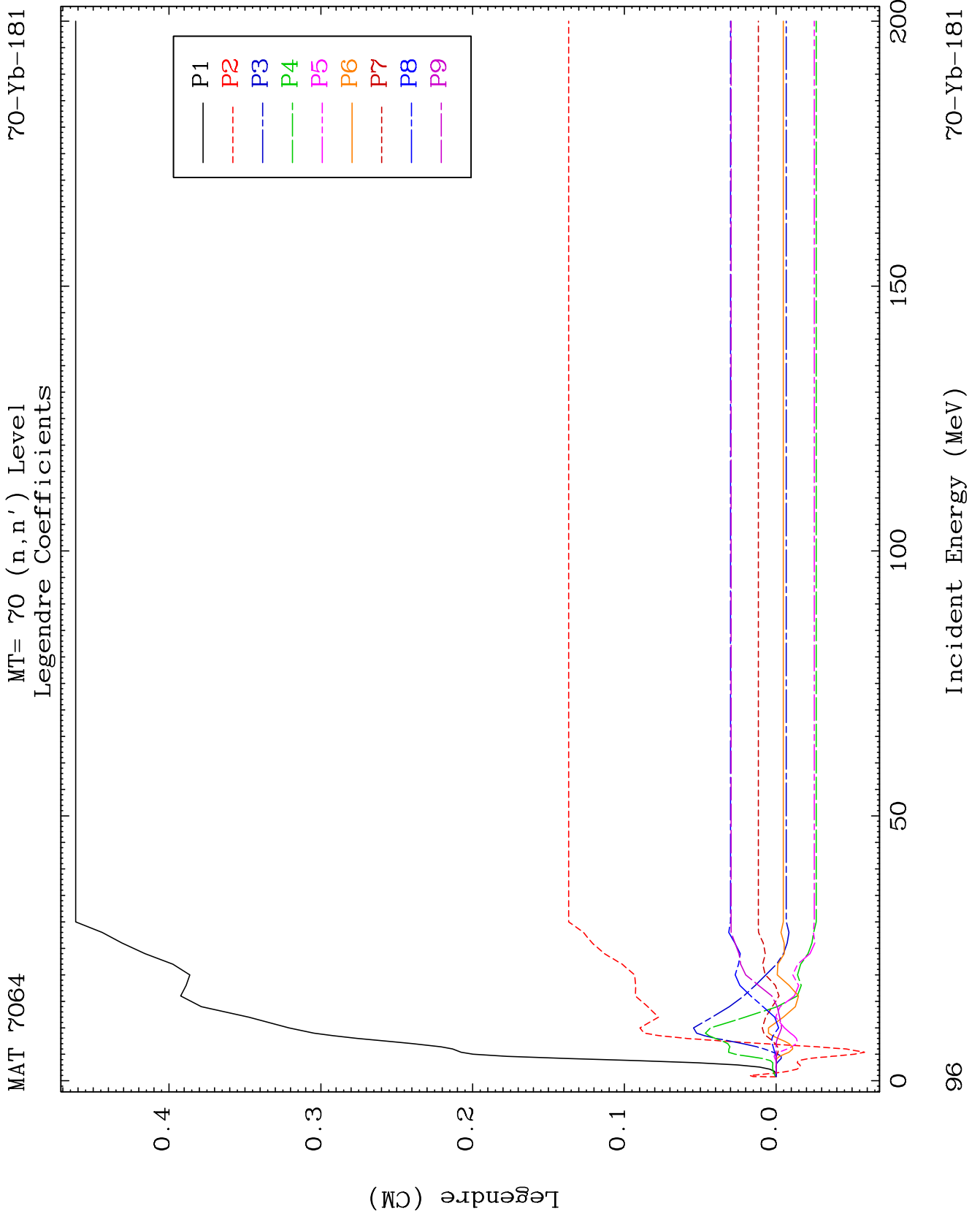
MT= 69 (n,n') Level
Legendre Coefficients

70-Yb-181





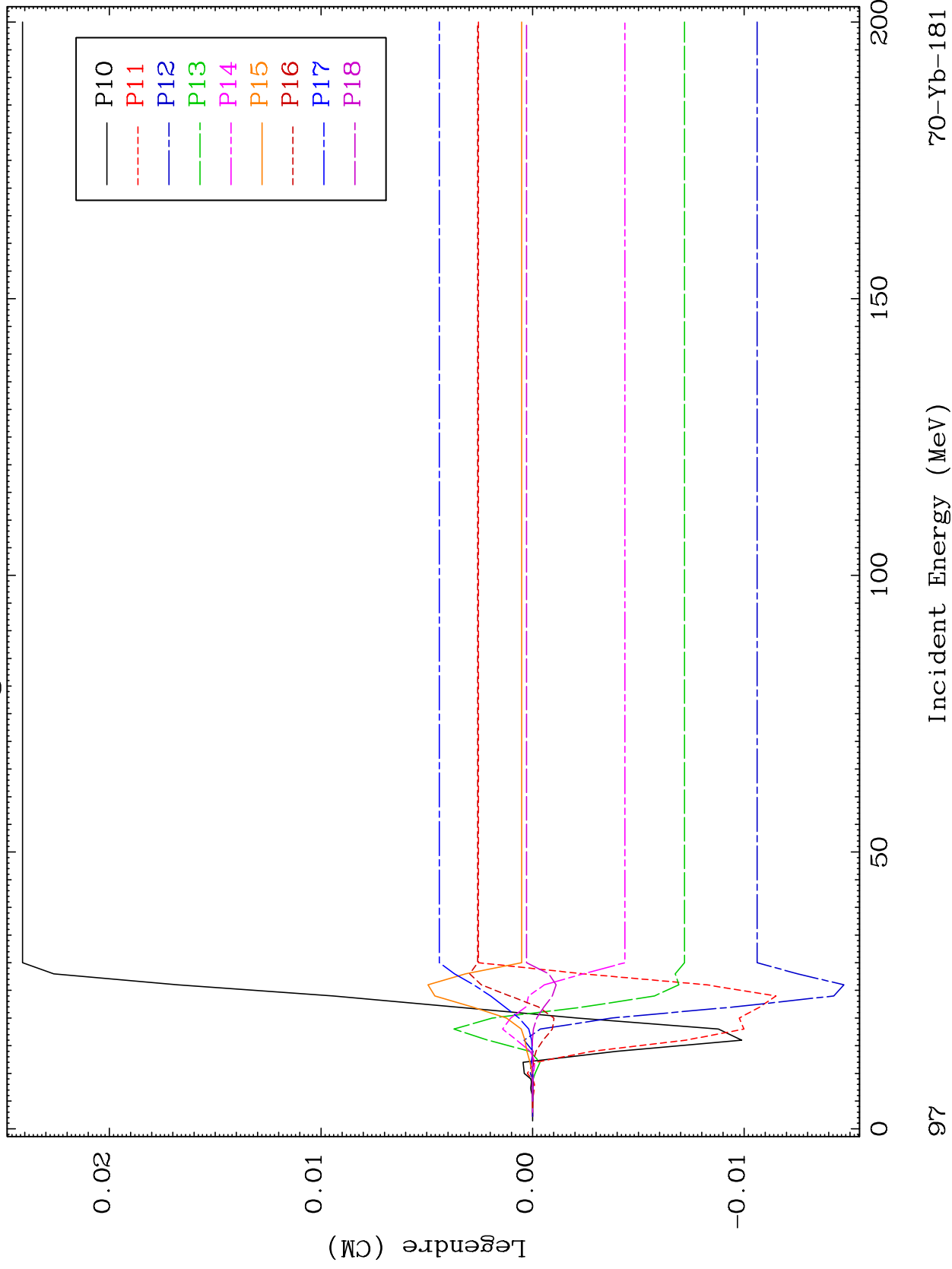




MAT 7064

MT= 70 (n,n') Level
Legendre Coefficients

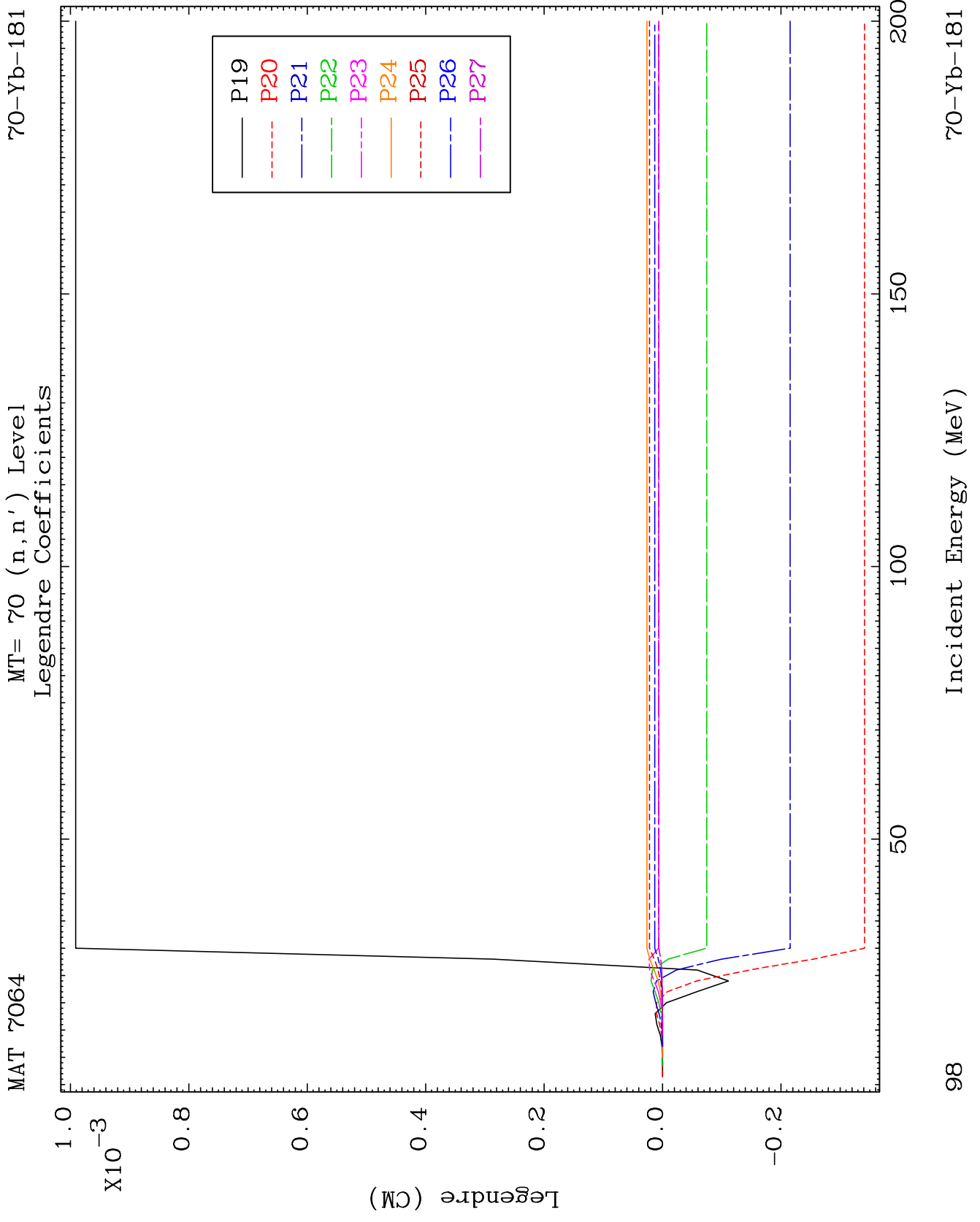
70-Yb-181

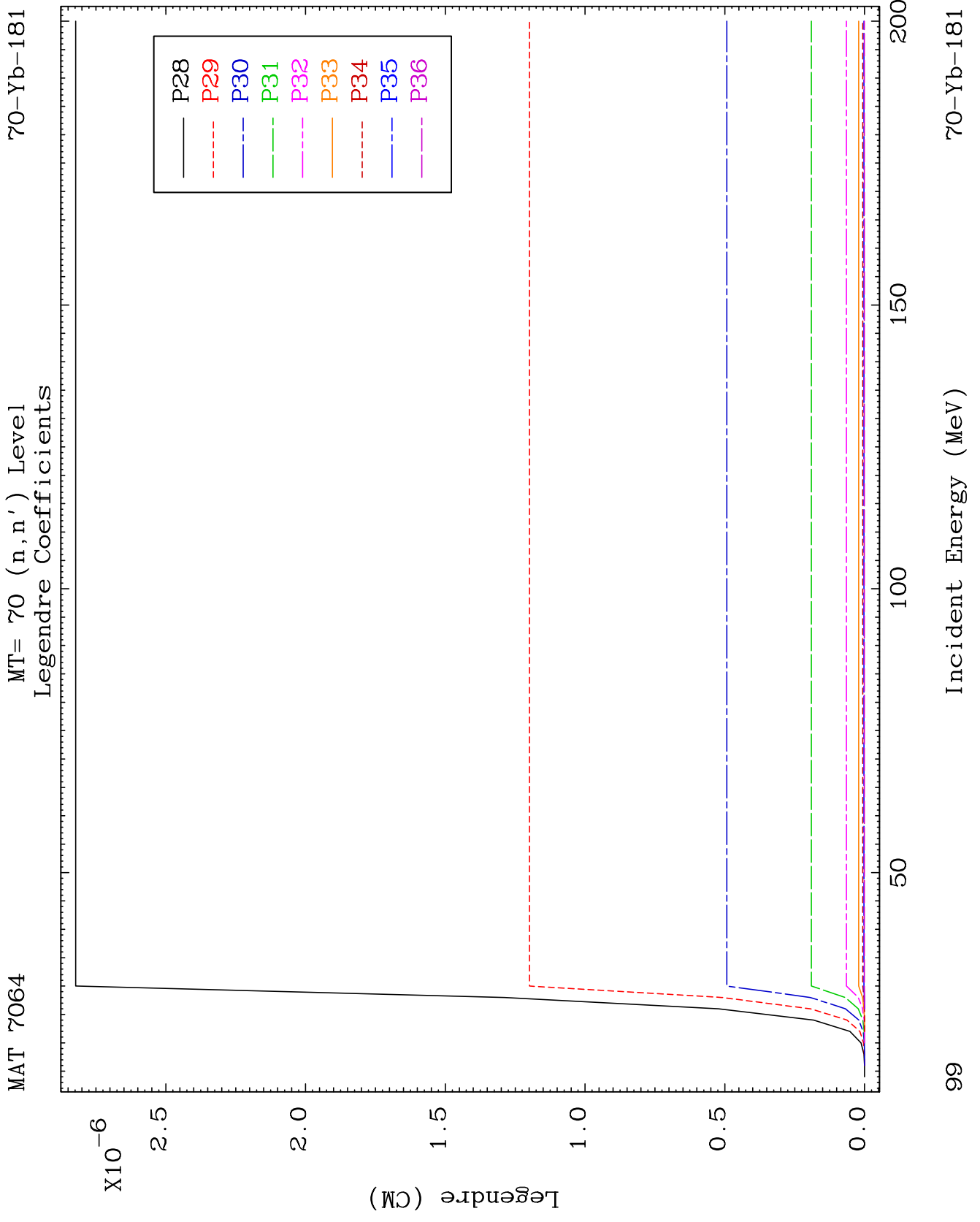


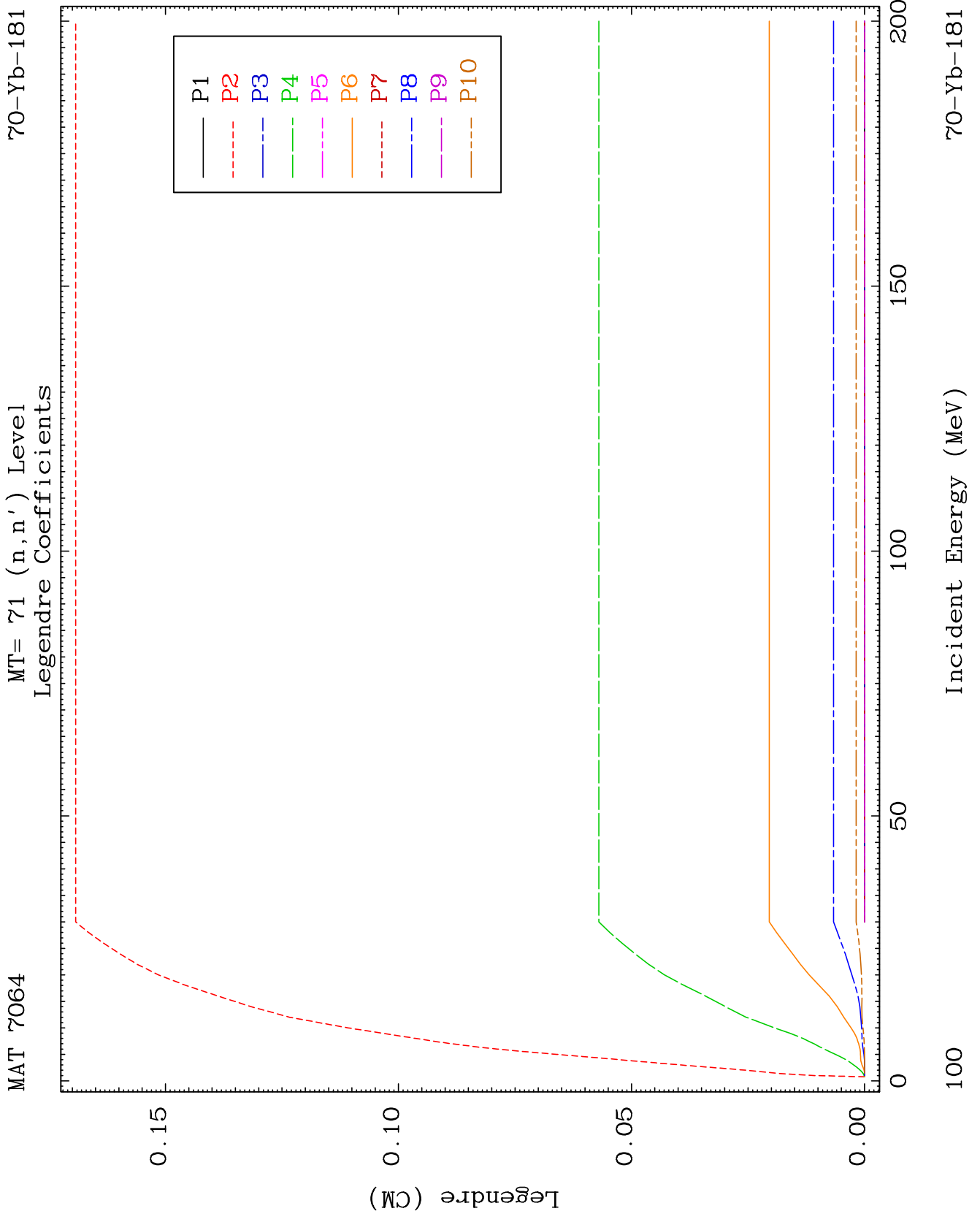
97

Incident Energy (MeV)

70-Yb-181



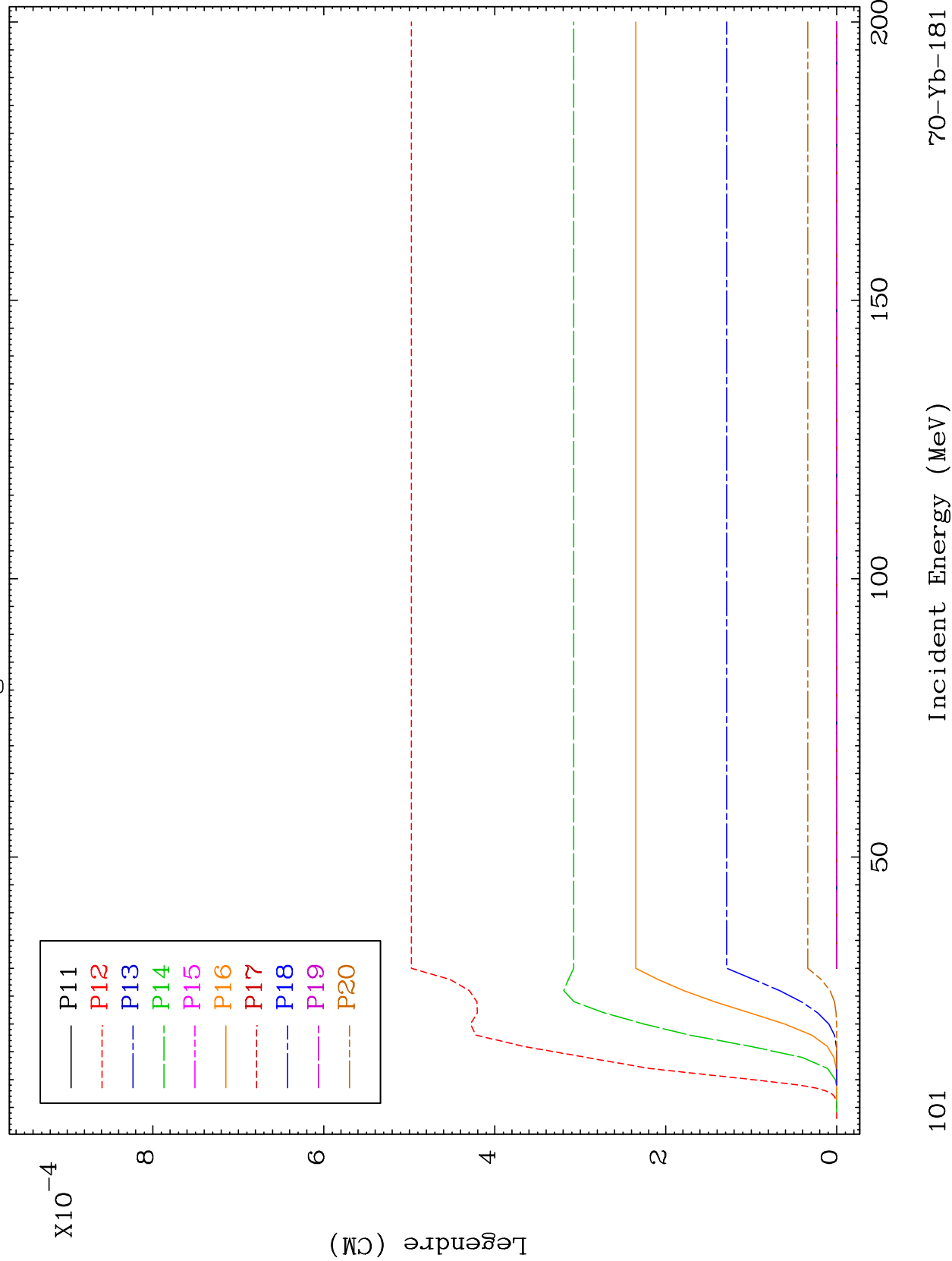




MAT 7064

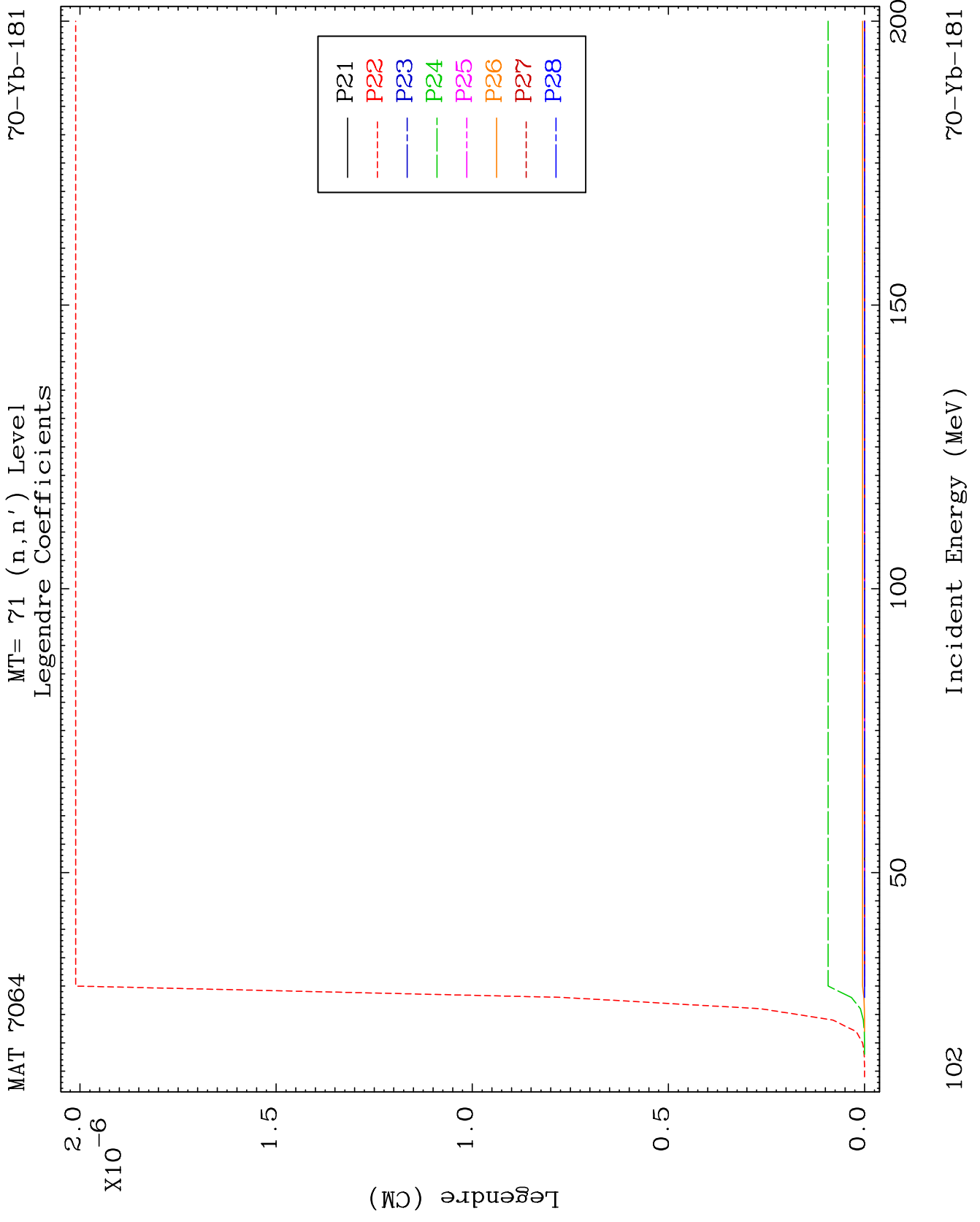
MT= 71 (n,n') Level
Legendre Coefficients

70-Yb-181



101

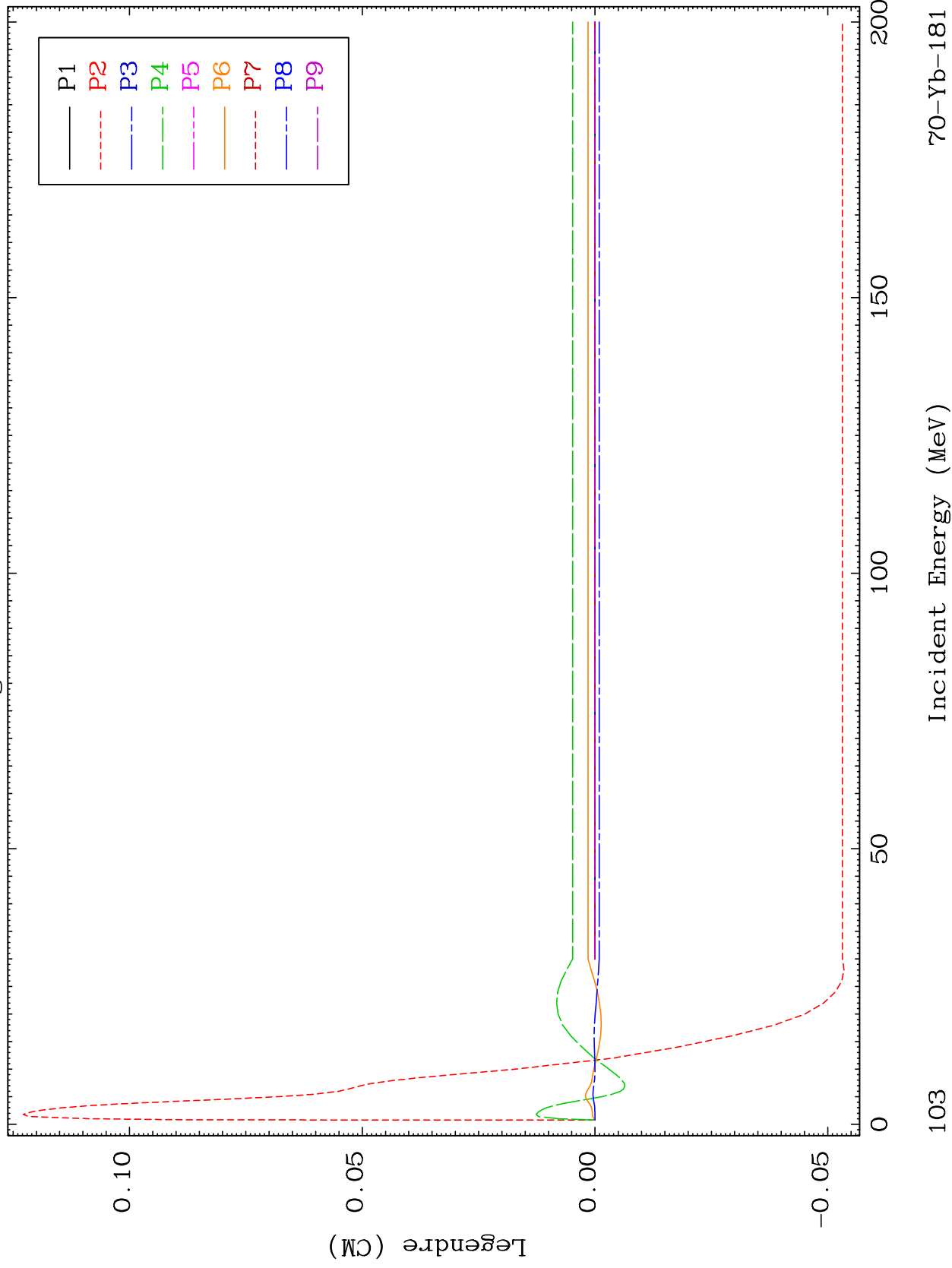
70-Yb-181



MAT 7064

MT= 72 (n,n') Level
Legendre Coefficients

70-Yb-181

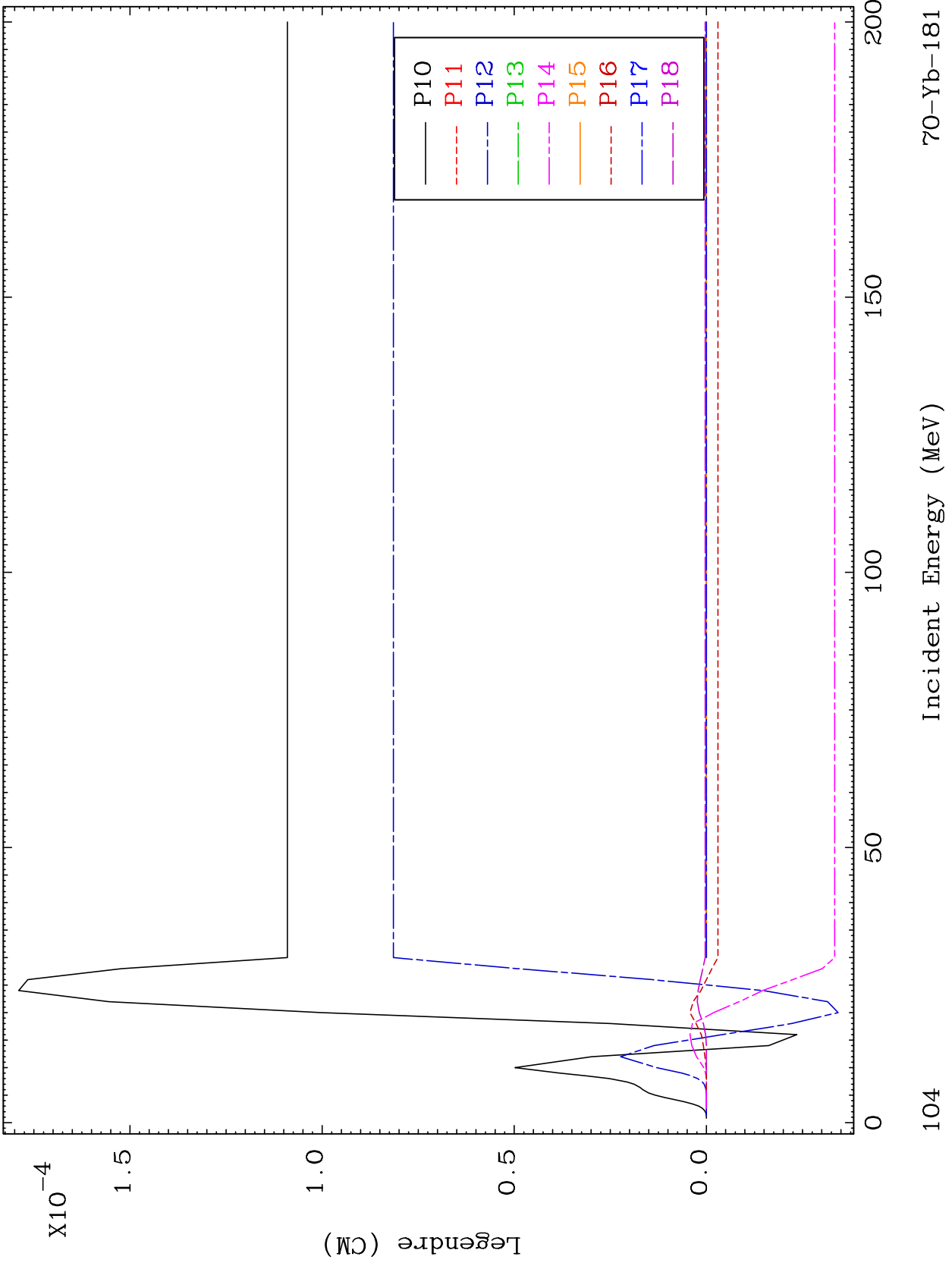


103

MAT 7064

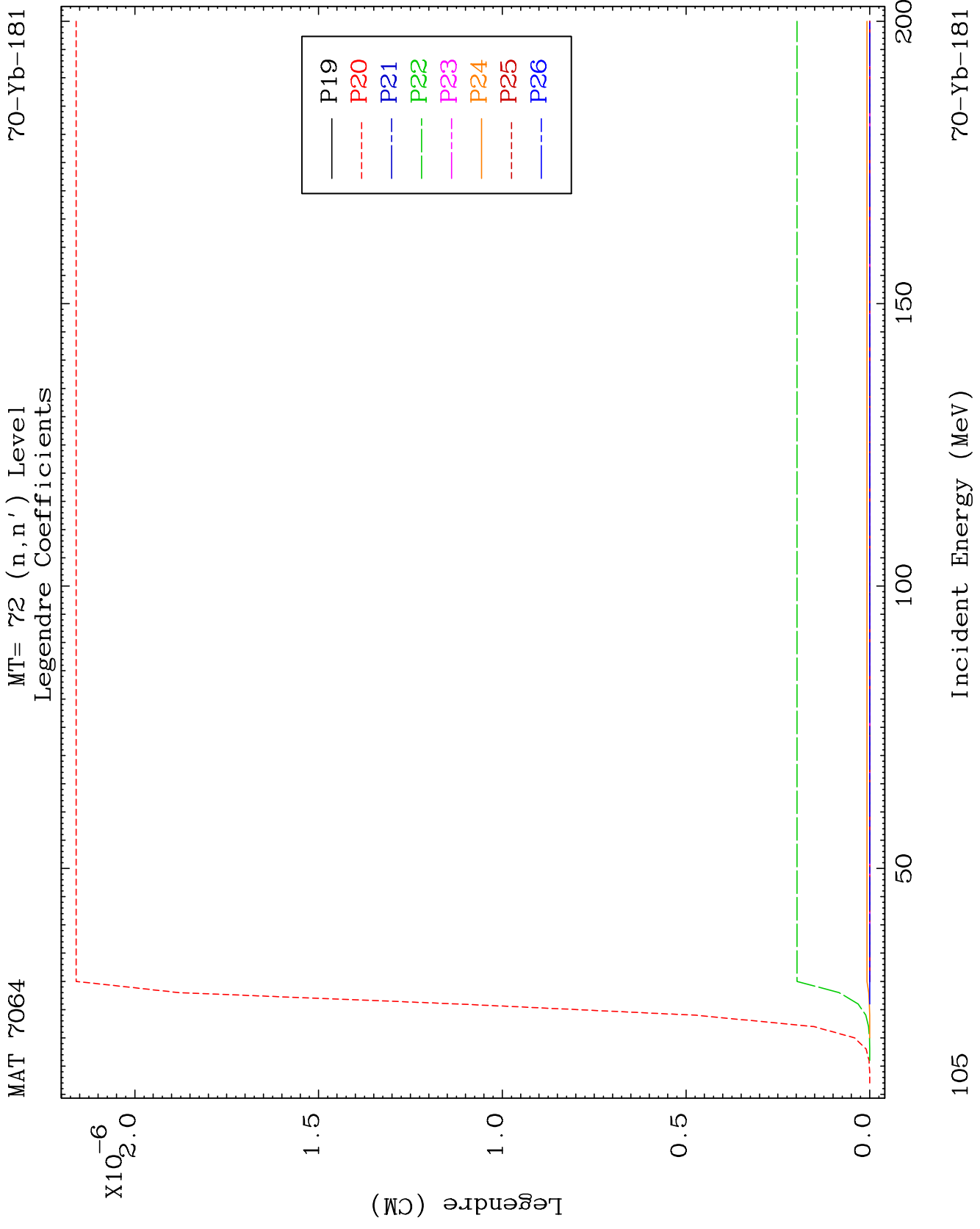
MT= 72 (n,n') Level
Legendre Coefficients

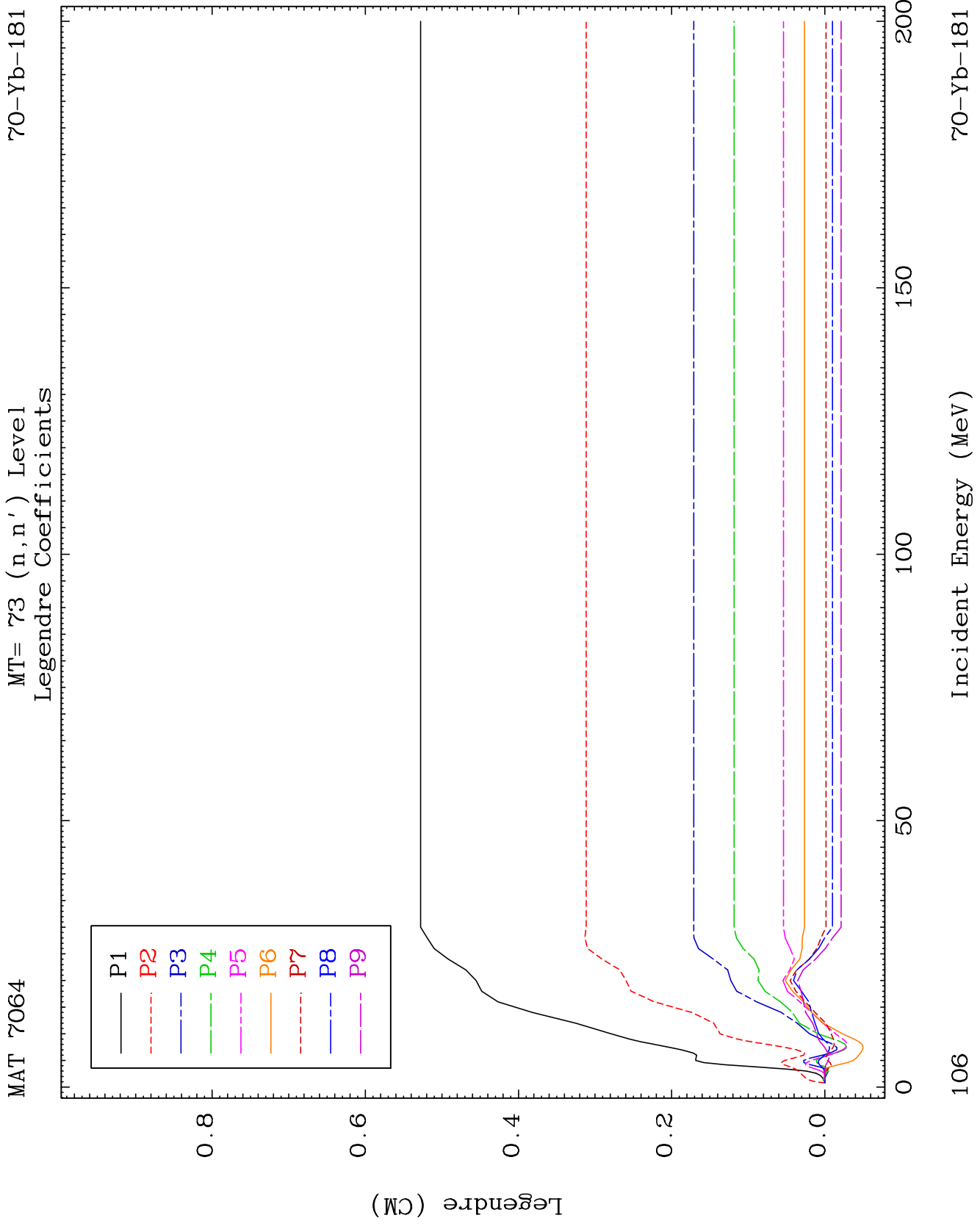
70-Yb-181

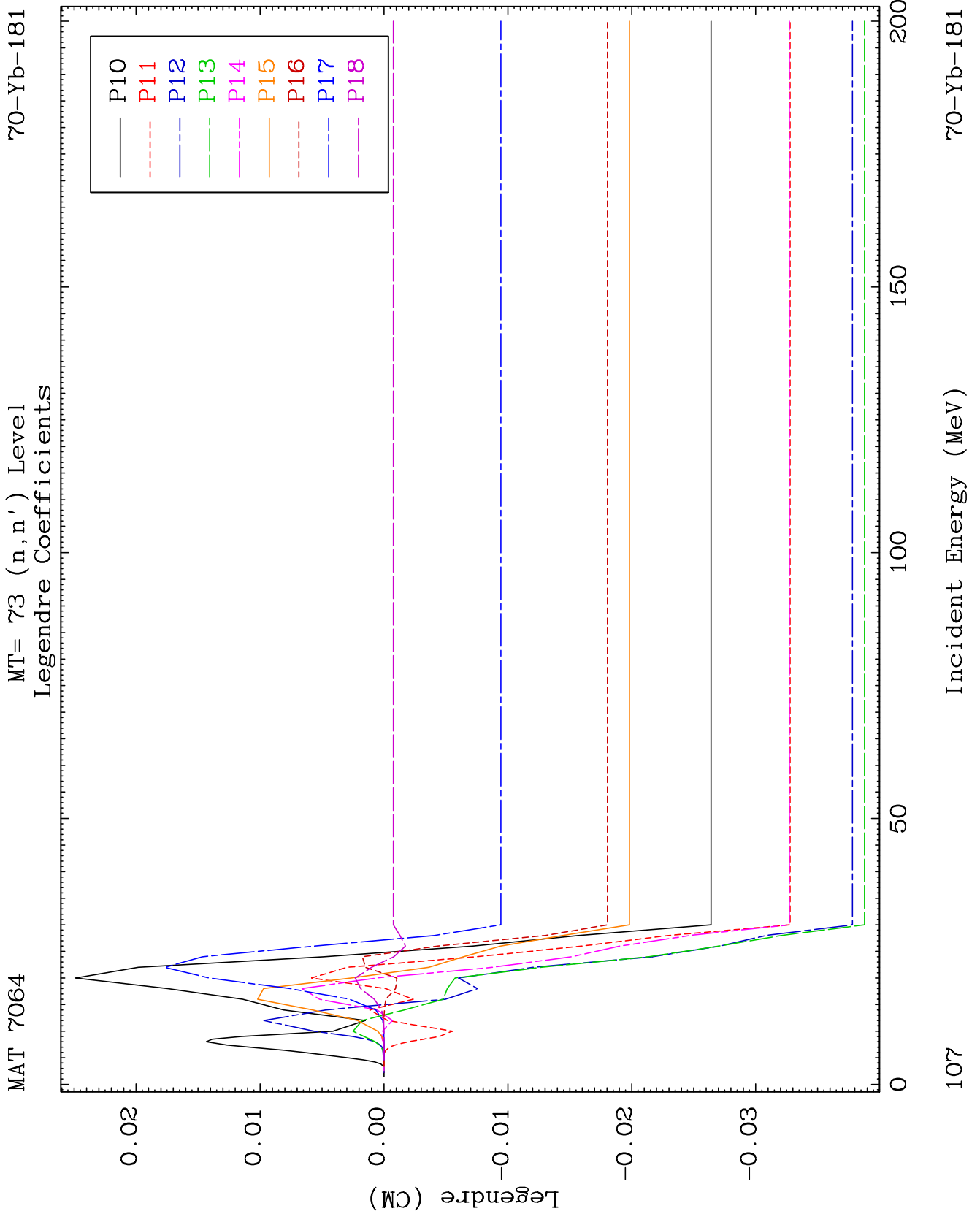


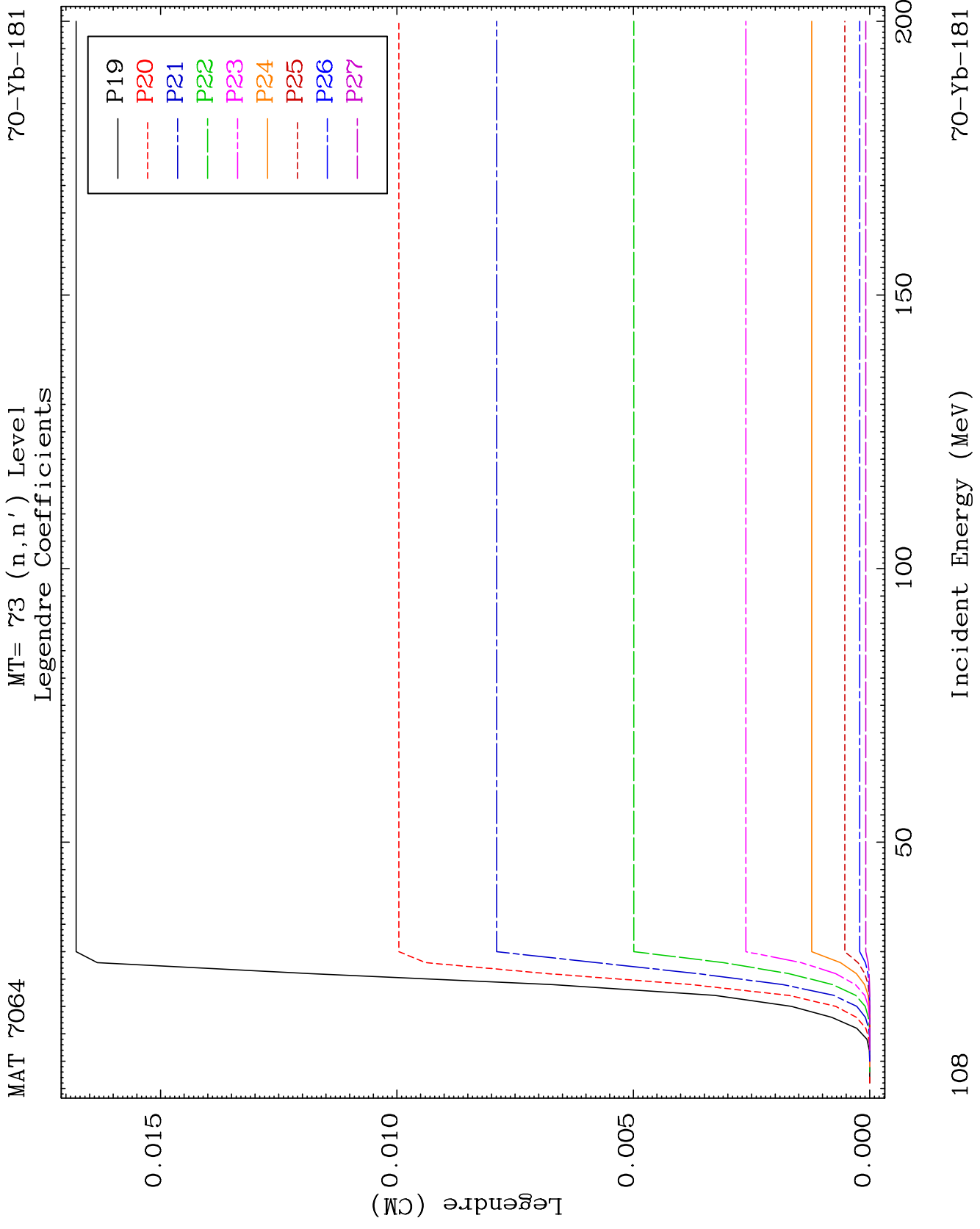
104

70-Yb-181





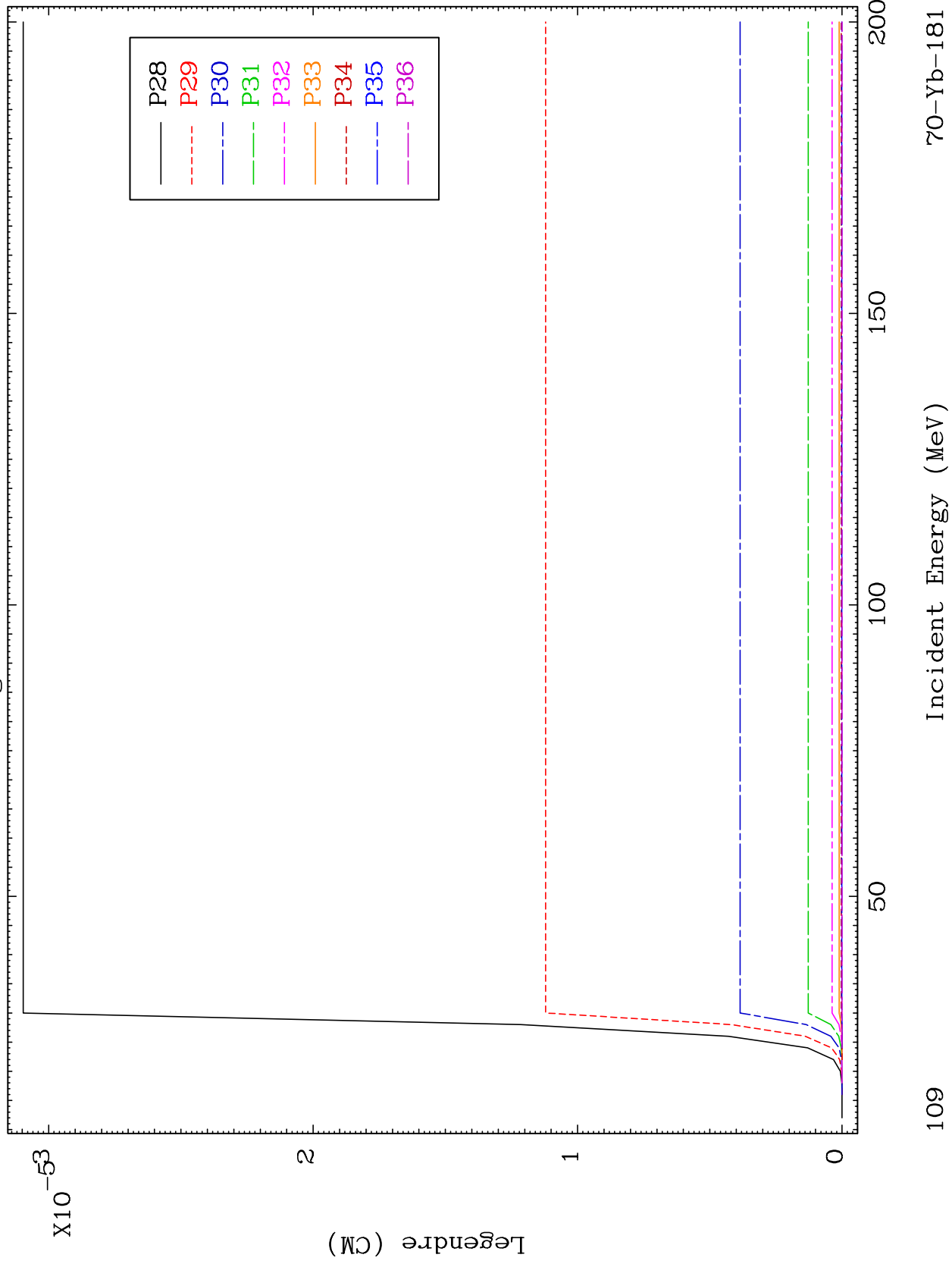




MAT 7064

MT= 73 (n,n') Level
Legendre Coefficients

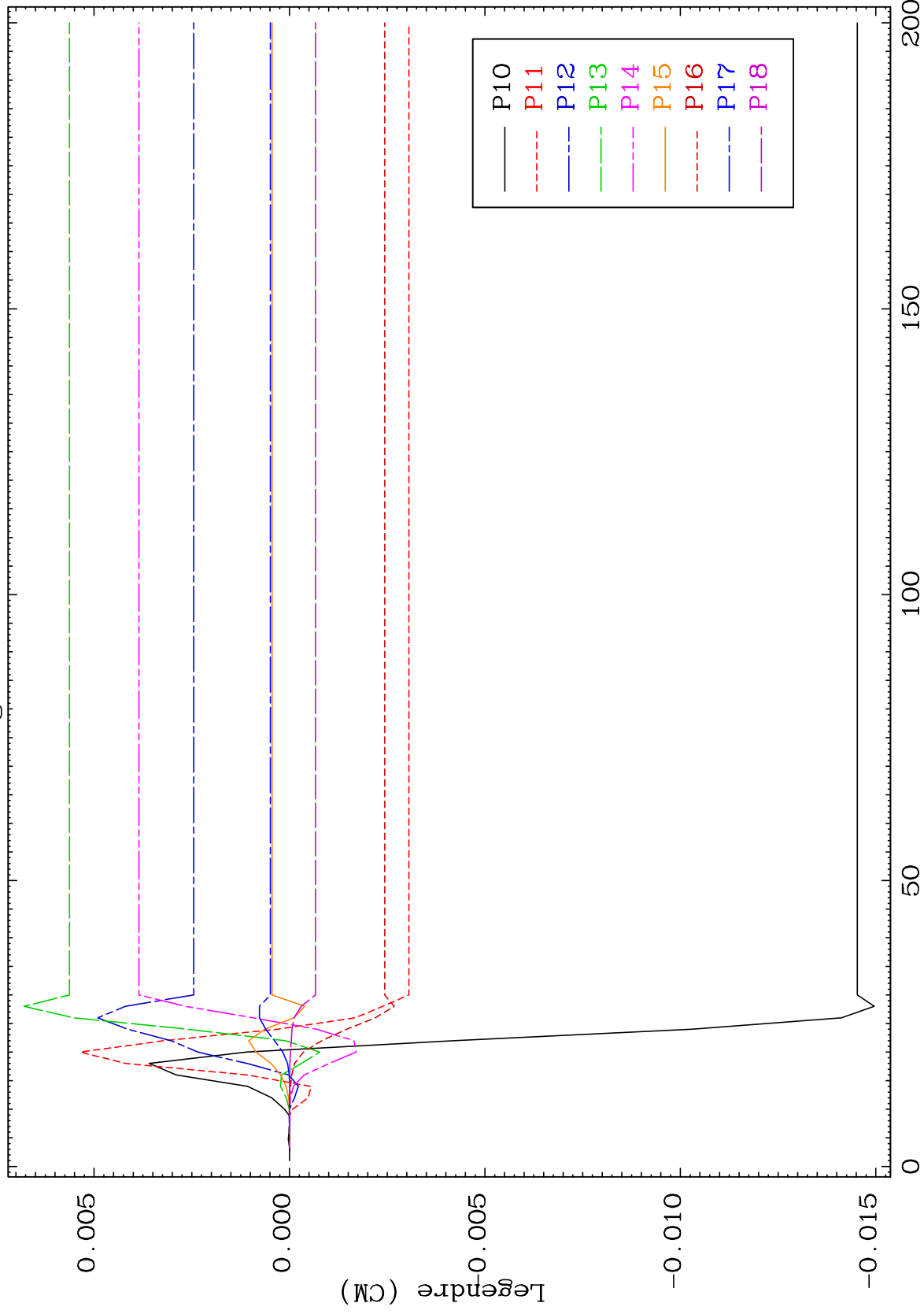
70-Yb-181



MAT 7064

MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-181



111

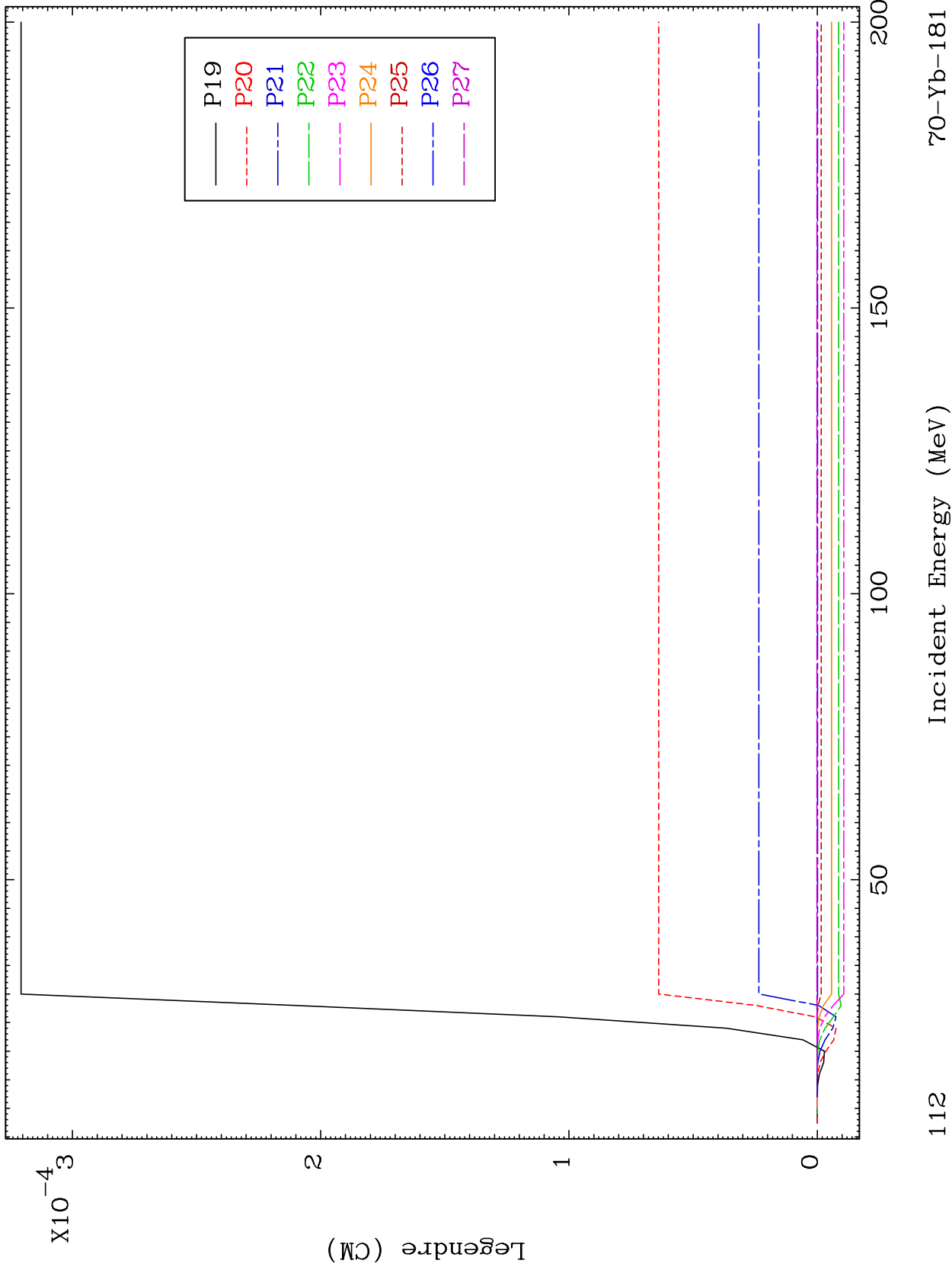
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-181



112

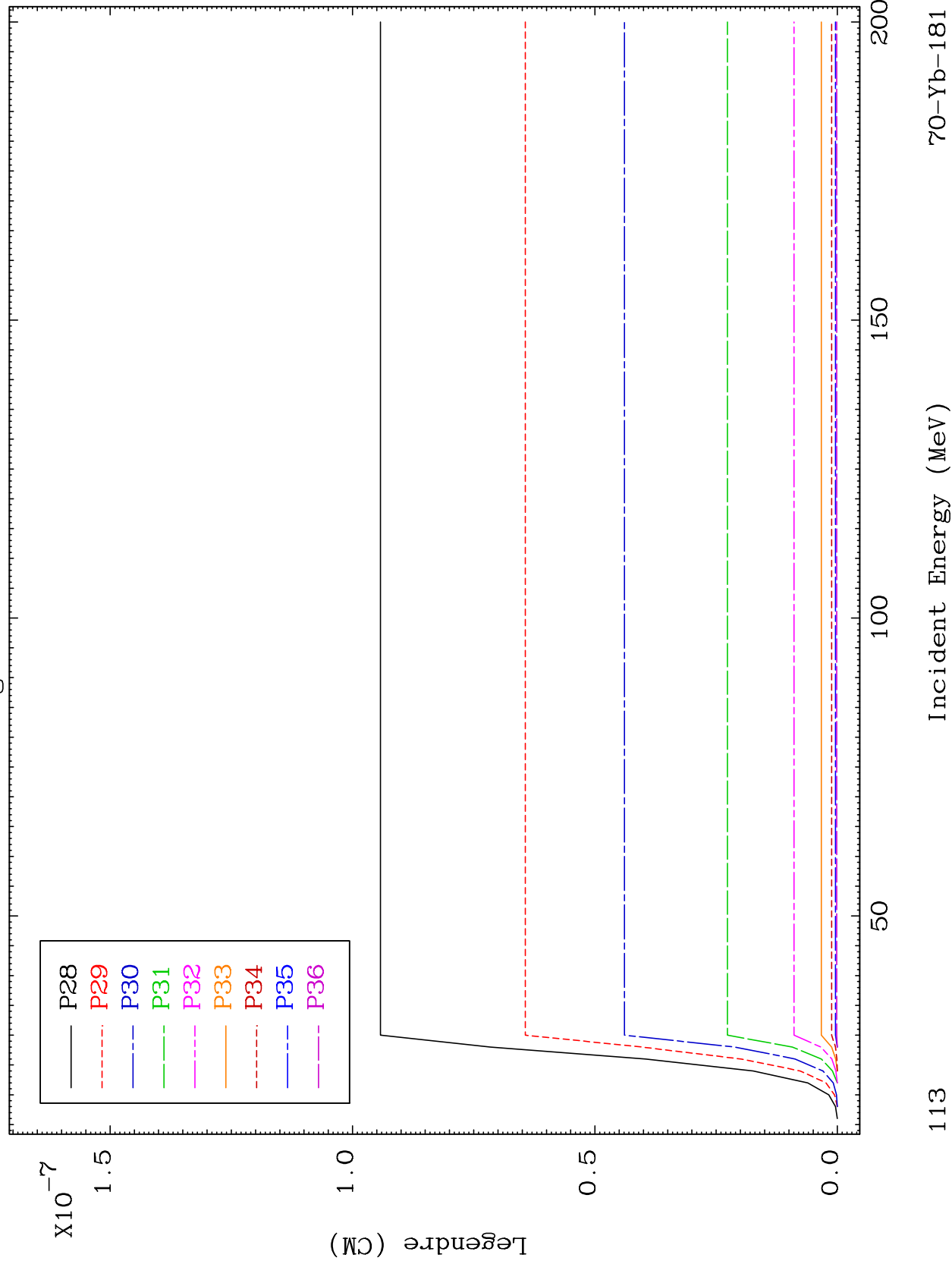
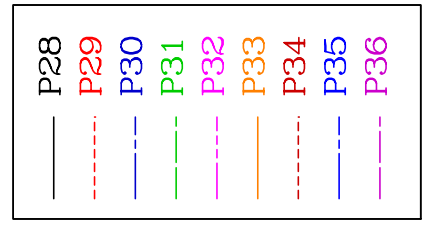
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 74 (n,n') Level
Legendre Coefficients

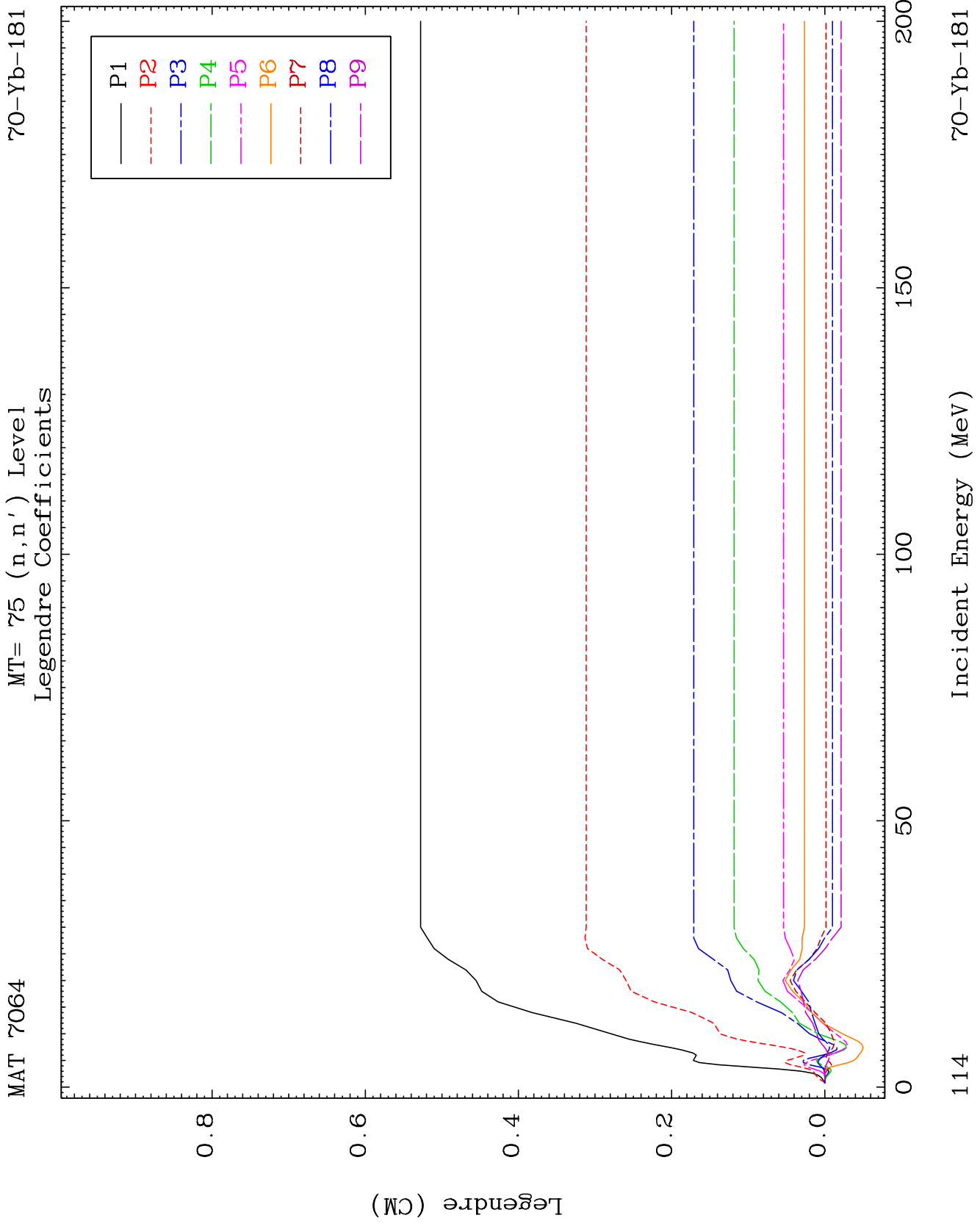
70-Yb-181

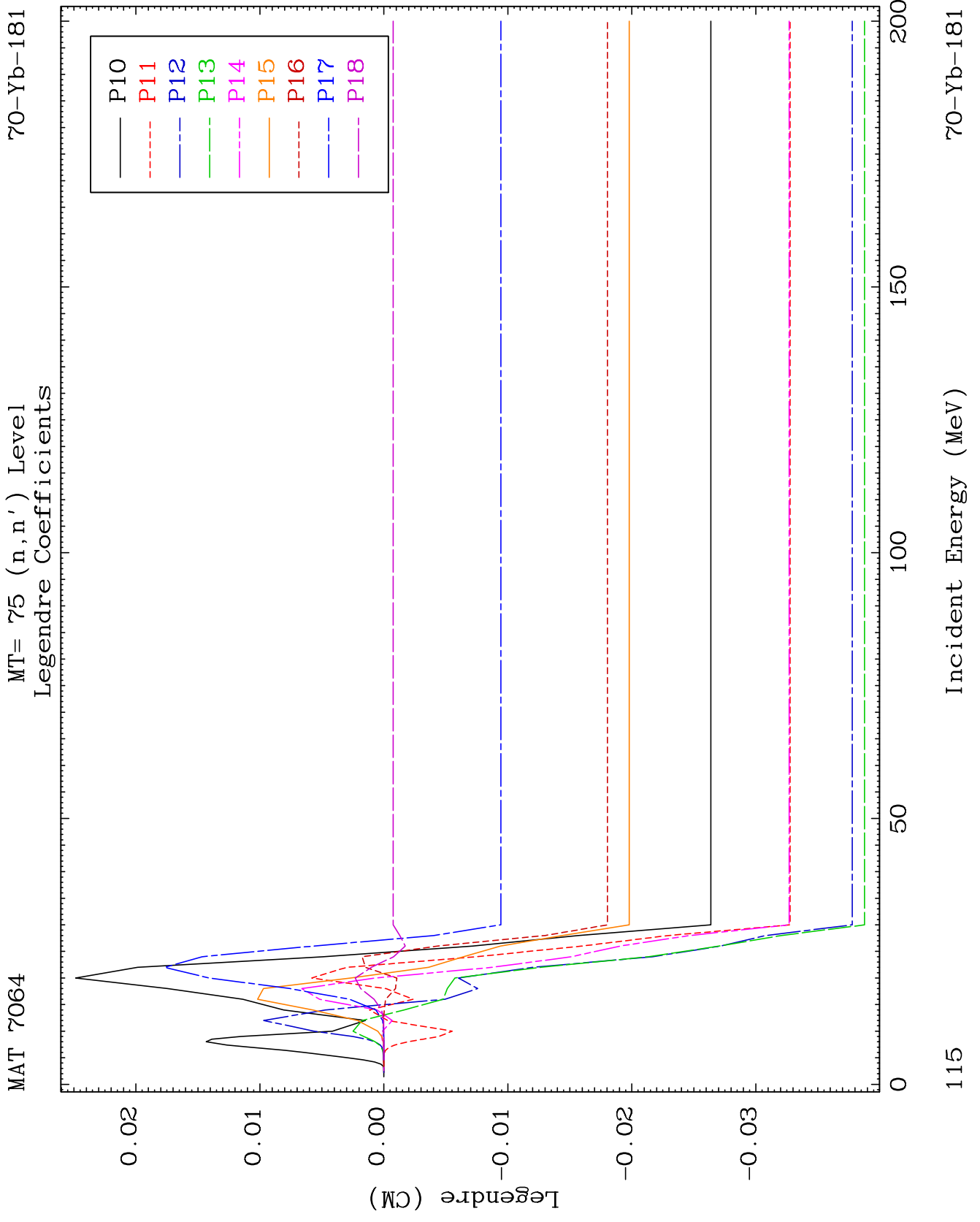


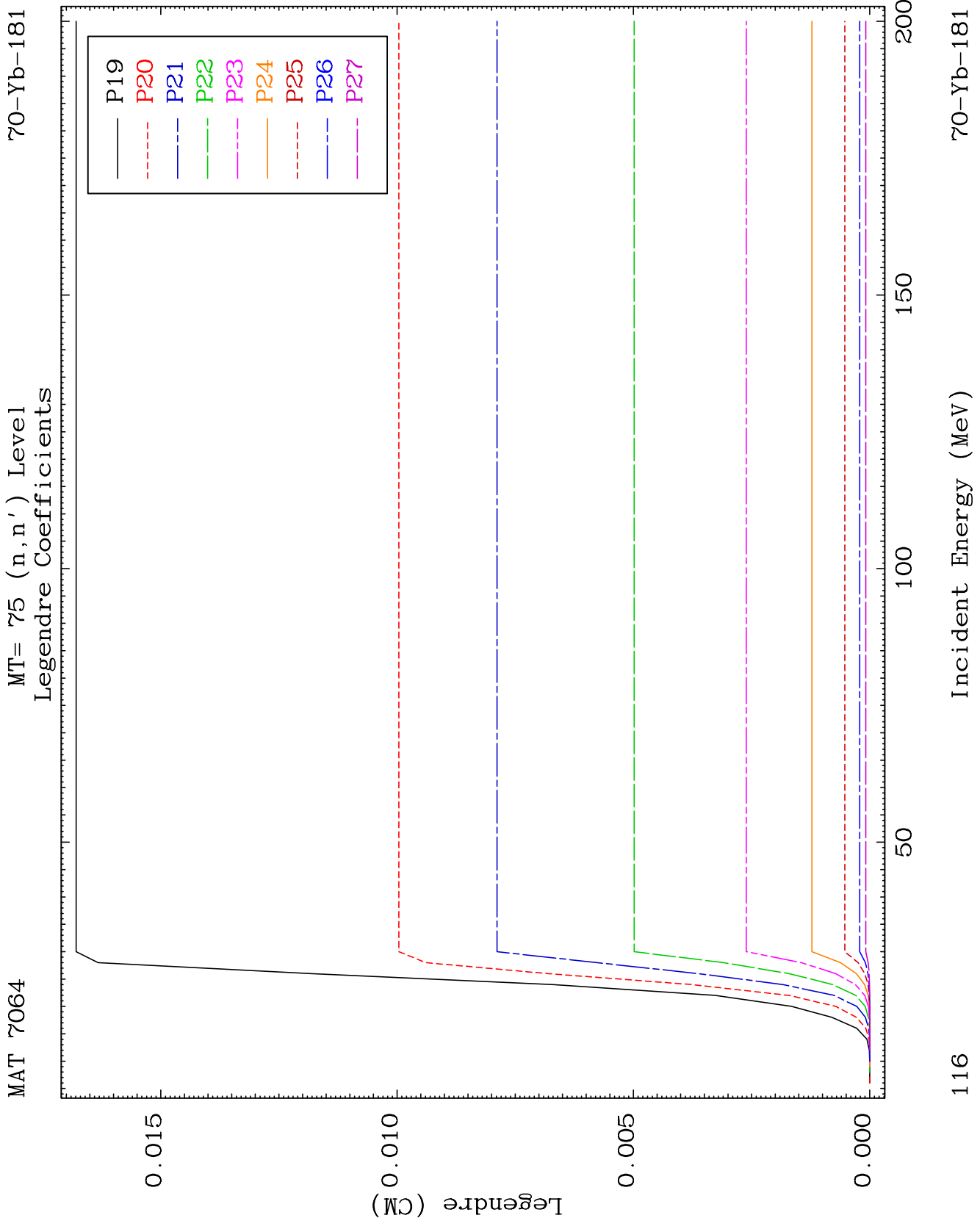
113

Incident Energy (MeV)

70-Yb-181



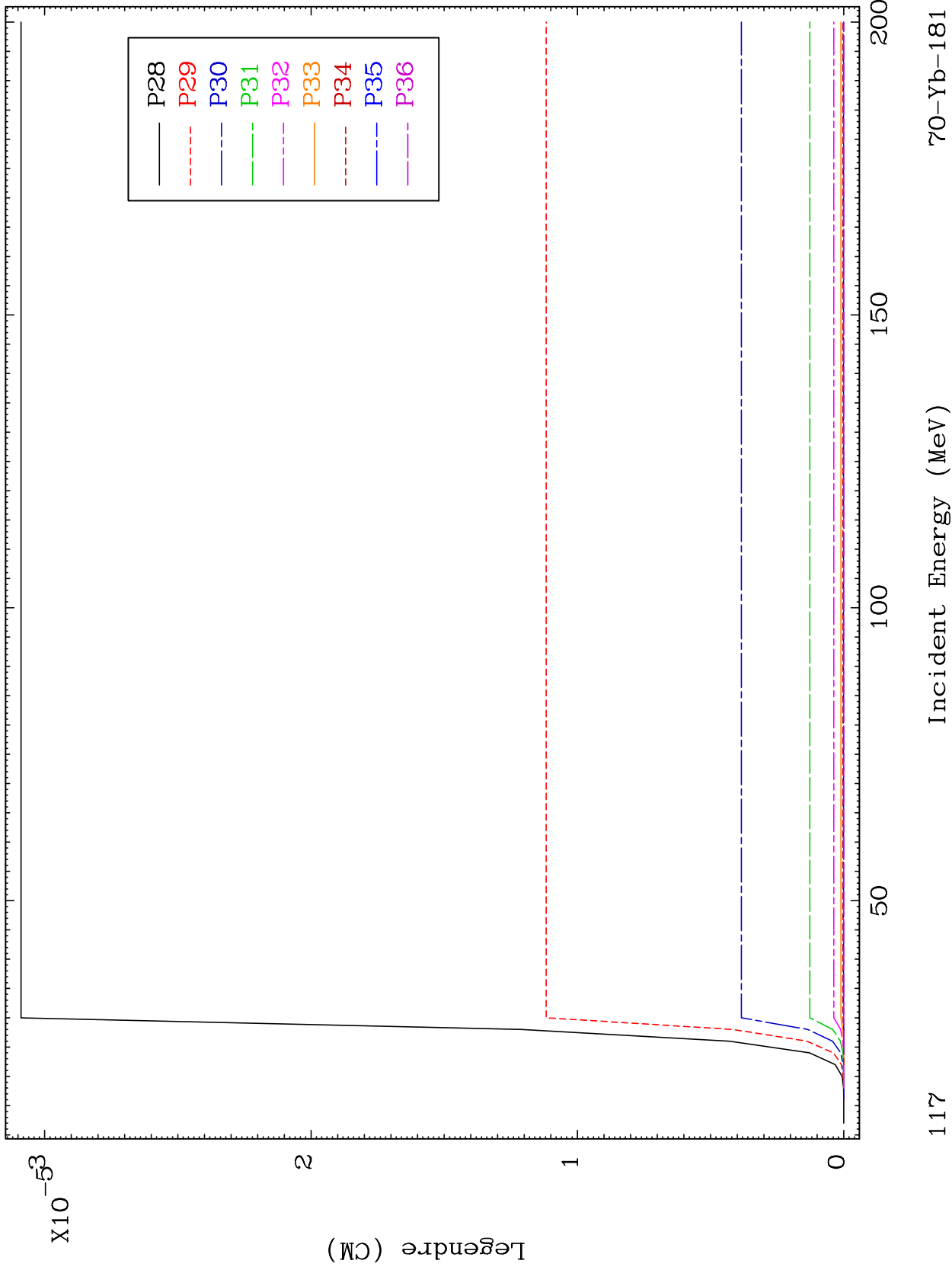




MAT 7064

MT= 75 (n,n') Level
Legendre Coefficients

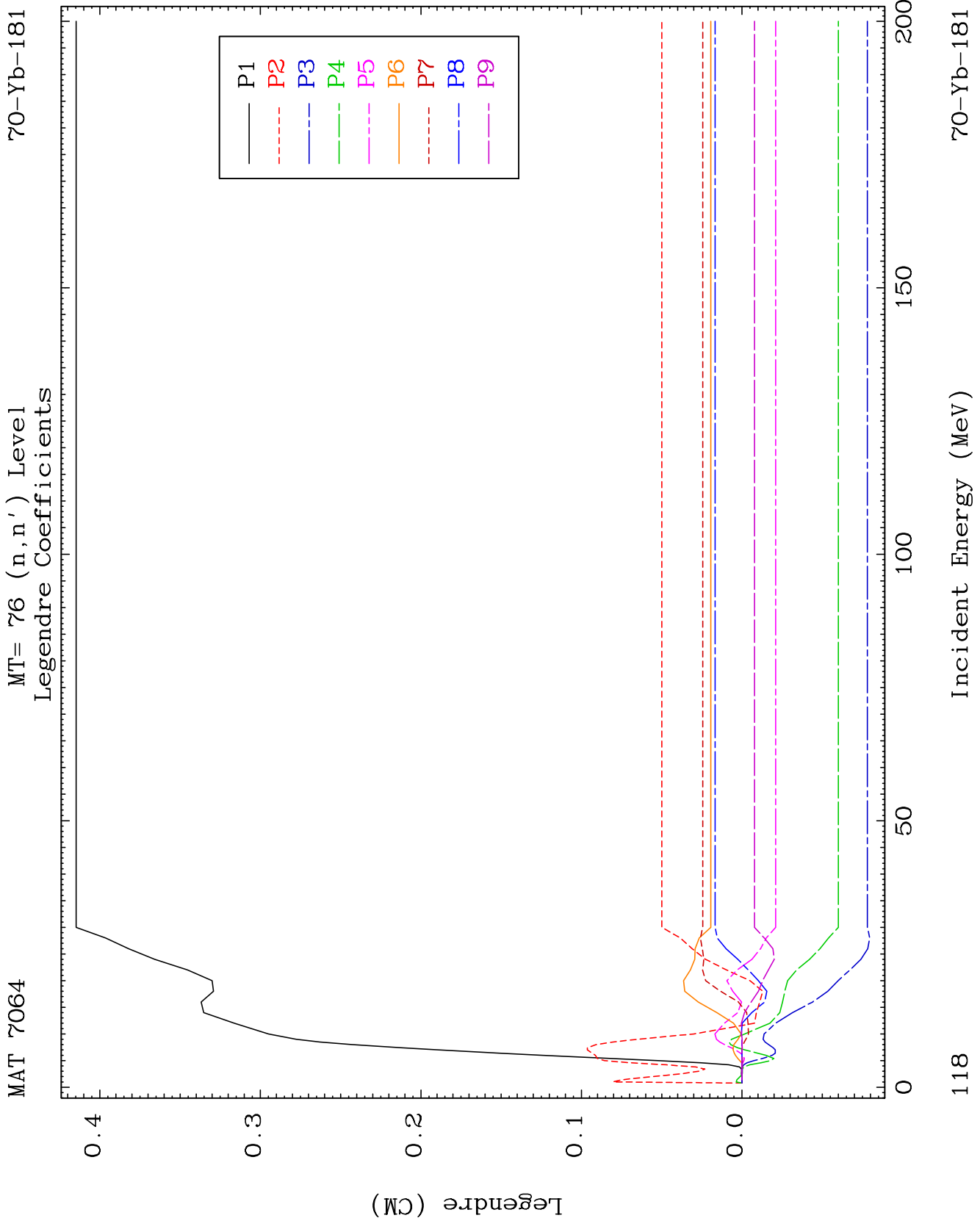
70-Yb-181



117

Incident Energy (MeV)

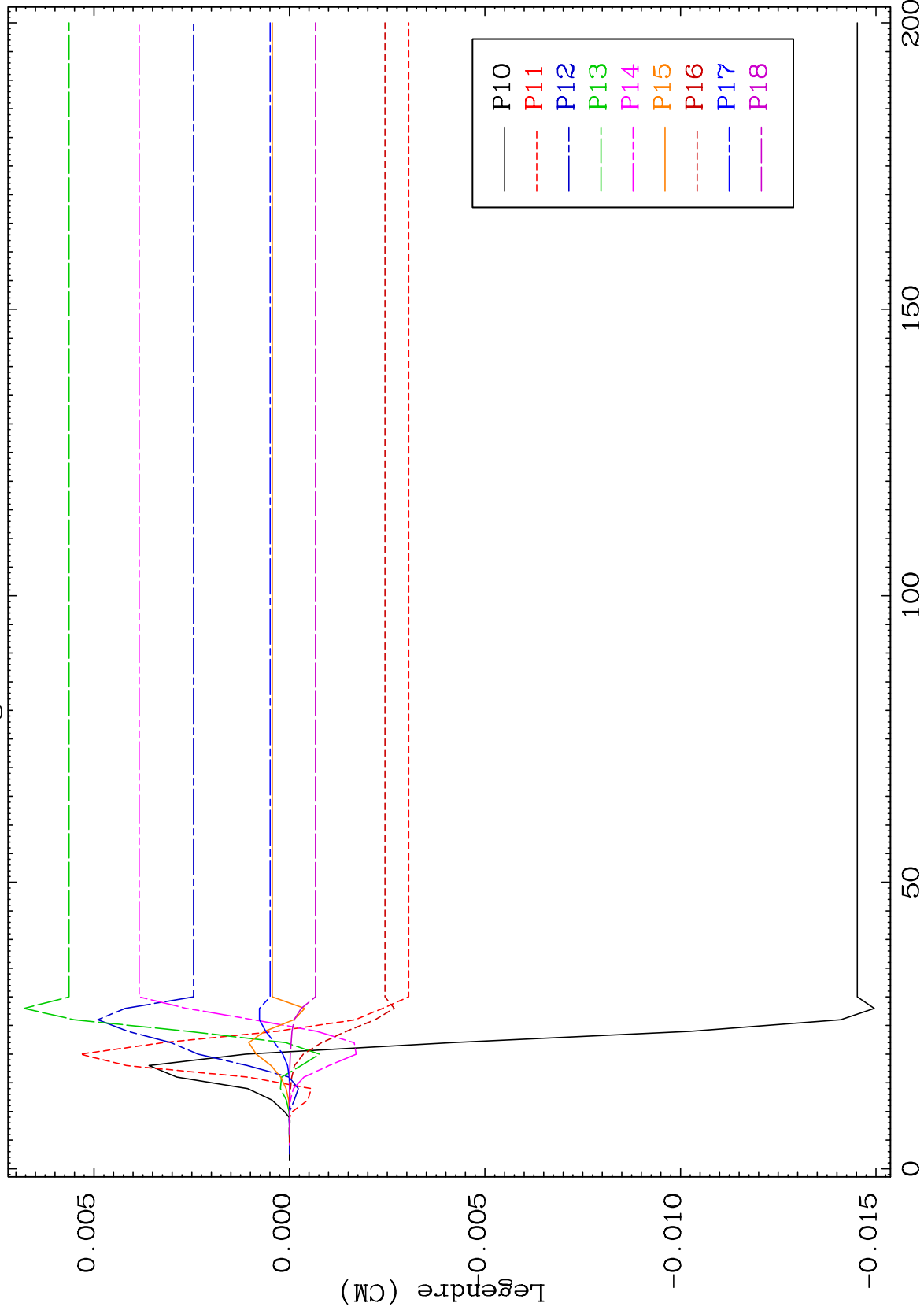
70-Yb-181



MAT 7064

MT= 76 (n,n') Level
Legendre Coefficients

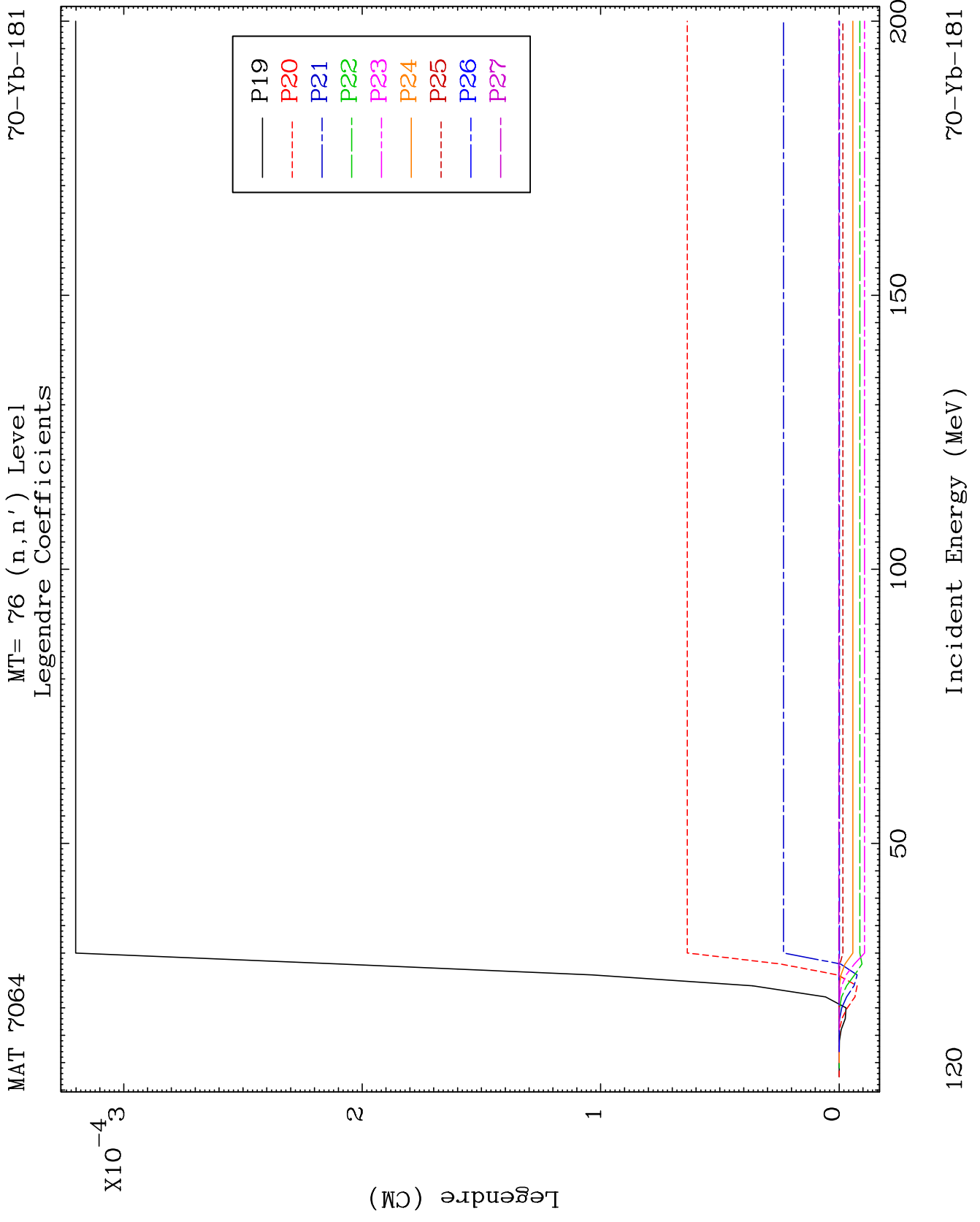
70-Yb-181



119

Incident Energy (MeV)

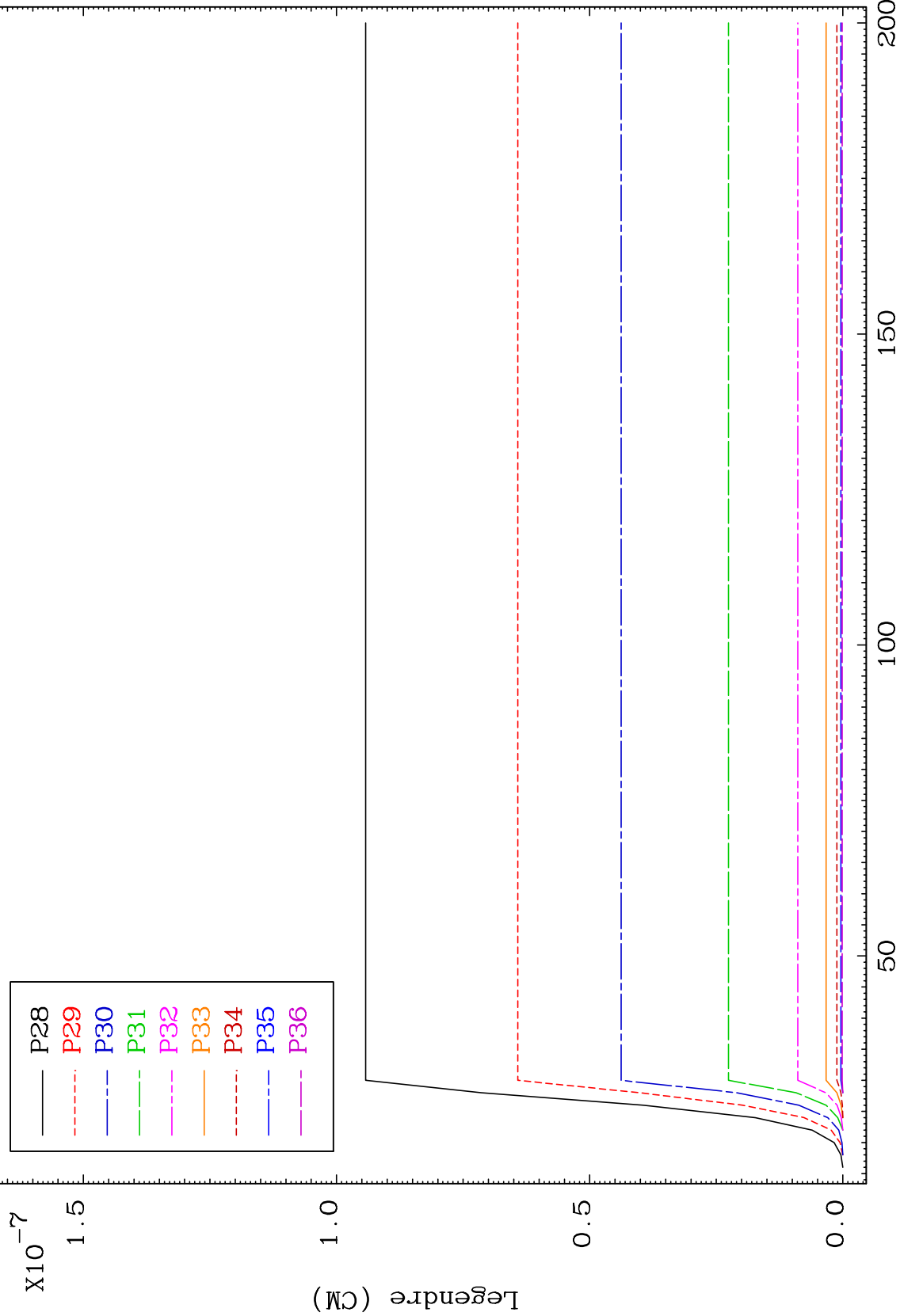
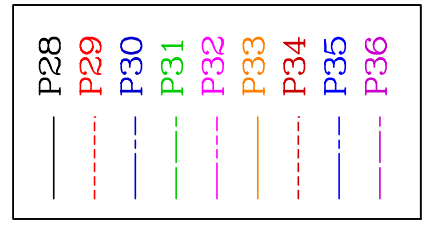
70-Yb-181



MAT 7064

MT= 76 (n,n') Level
Legendre Coefficients

70-Yb-181



121

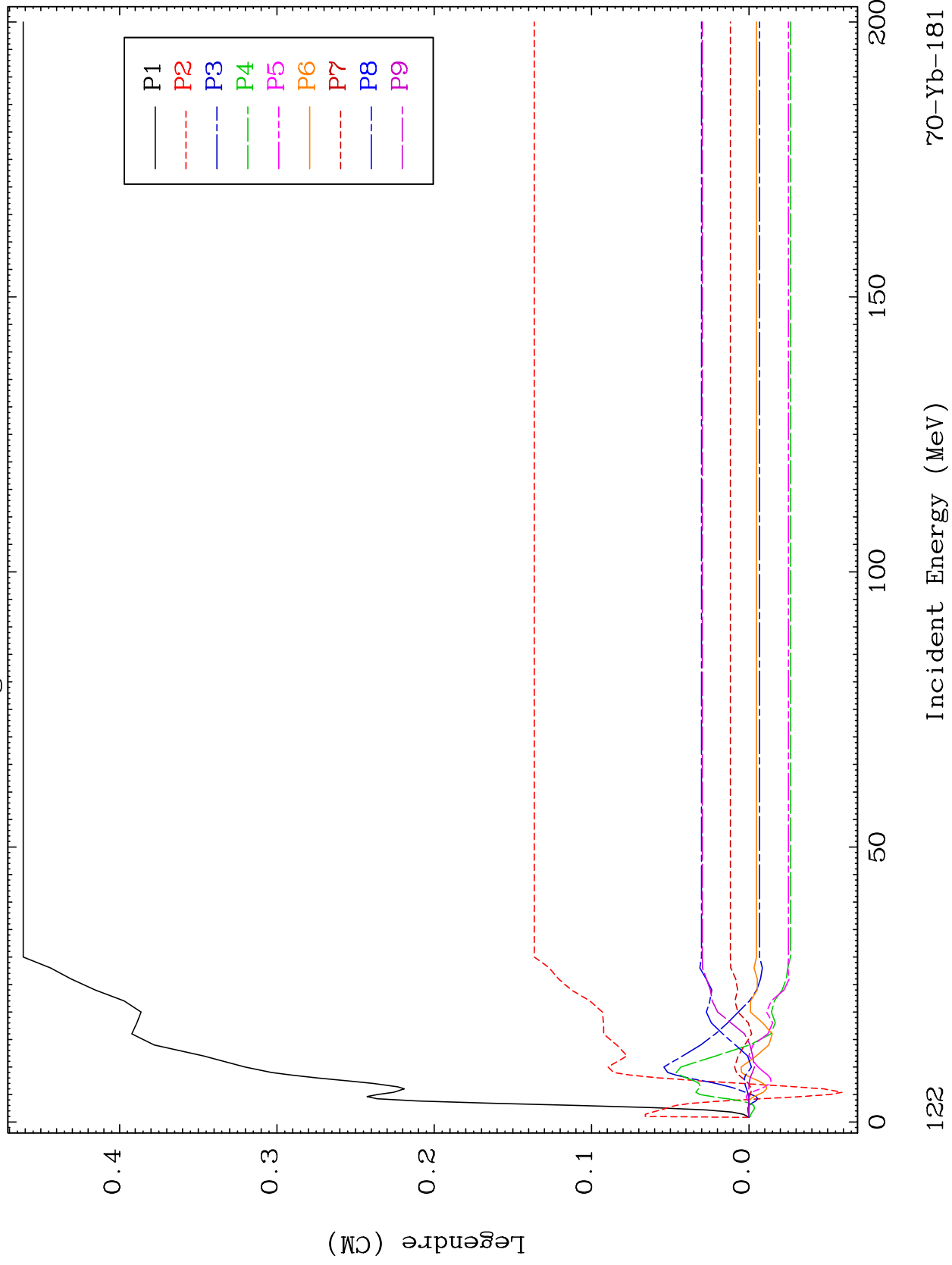
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 77 (n,n') Level
Legendre Coefficients

70-Yb-181



122

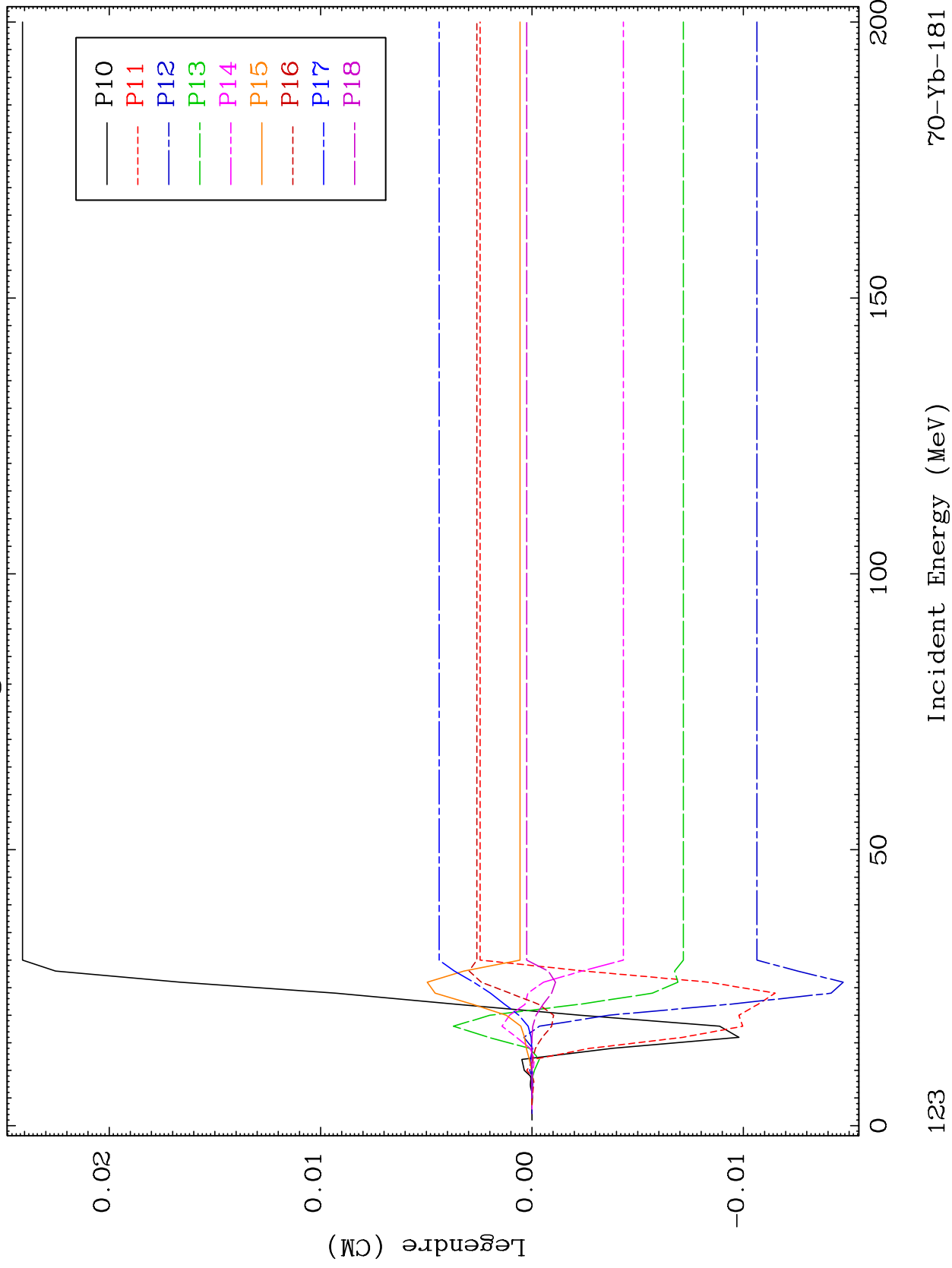
Incident Energy (MeV)

70-Yb-181

MAT 7064

MT= 77 (n,n') Level
Legendre Coefficients

70-Yb-181



123

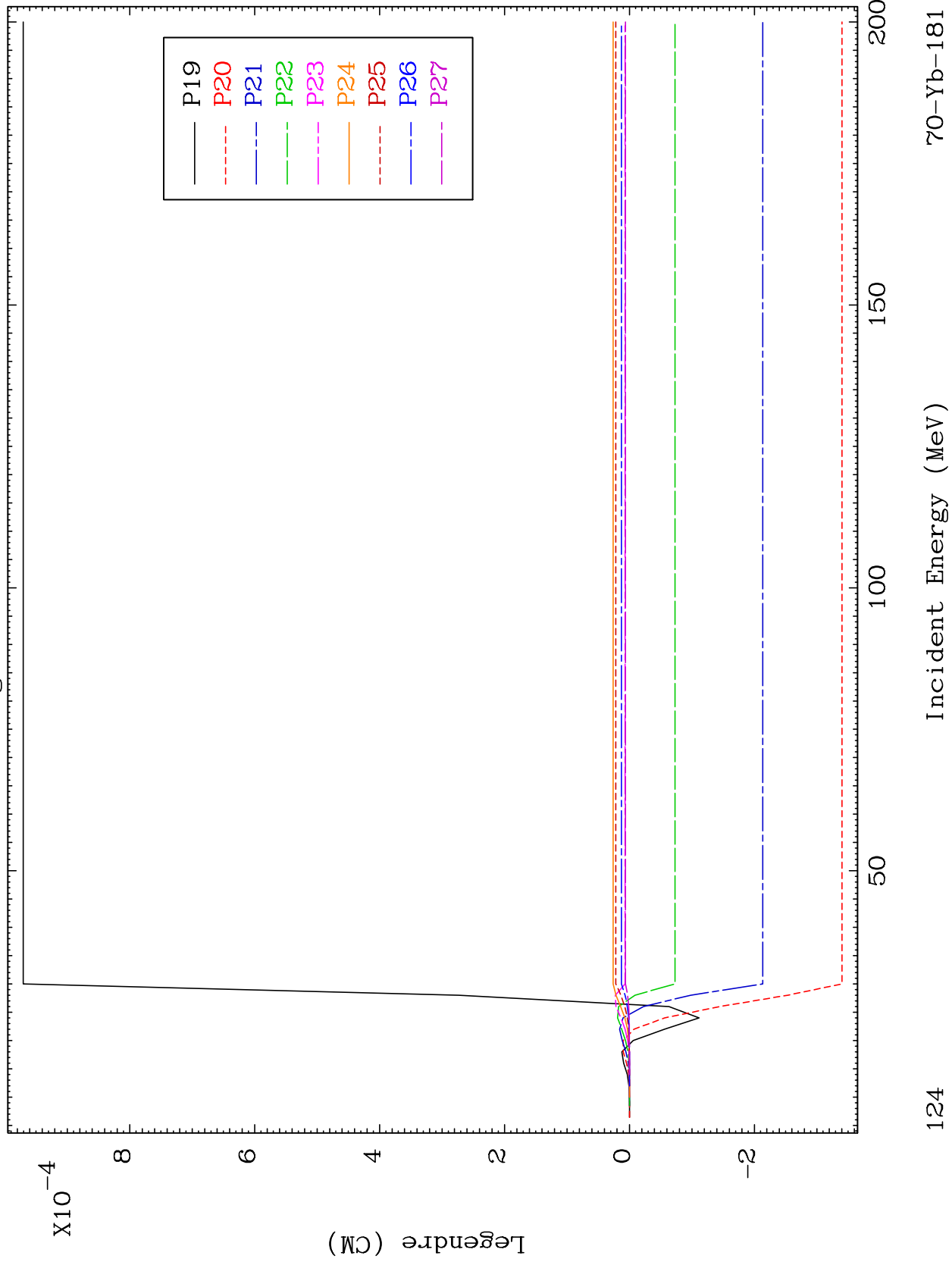
Incident Energy (MeV)

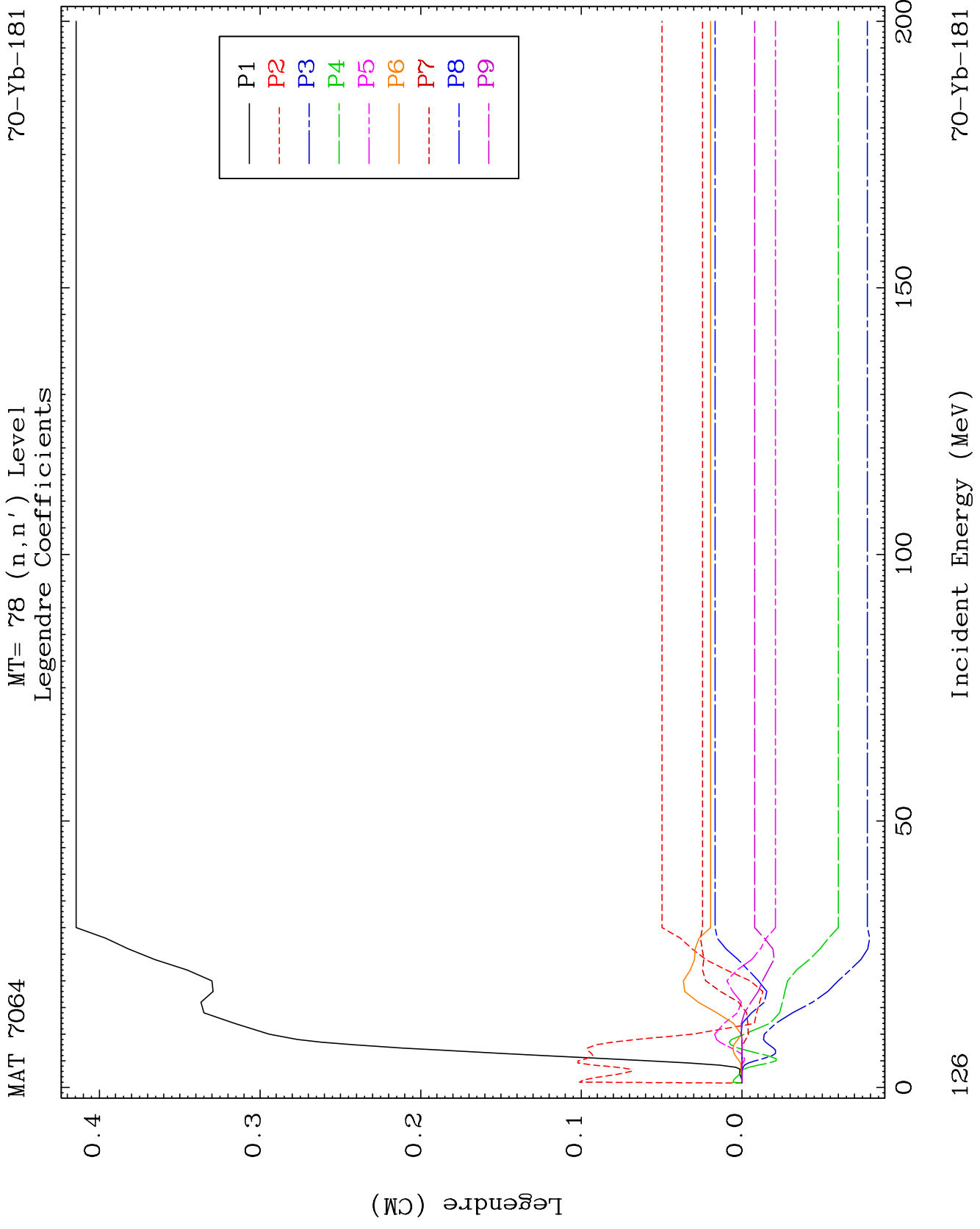
70-Yb-181

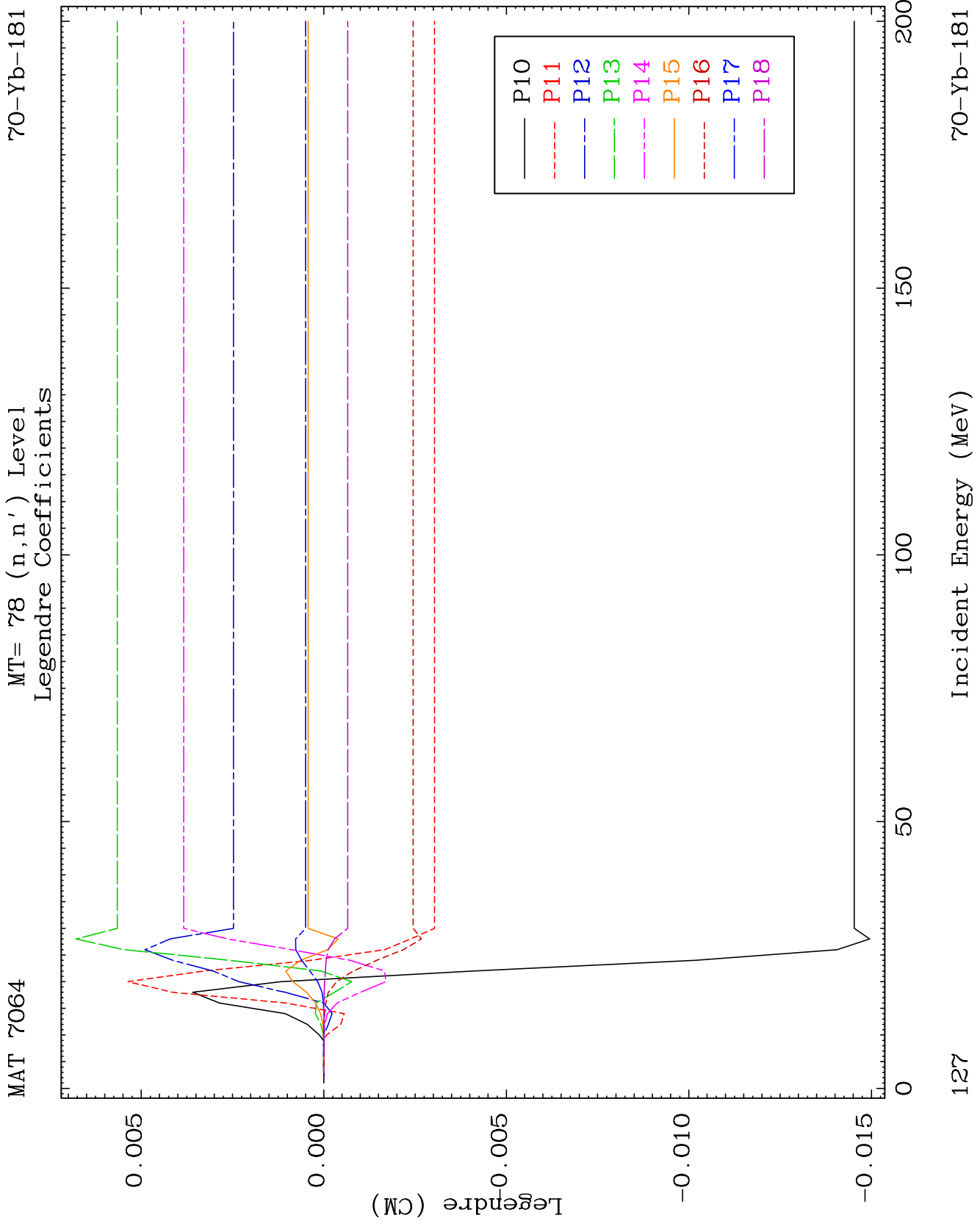
MAT 7064

MT= 77 (n,n') Level
Legendre Coefficients

70-Yb-181



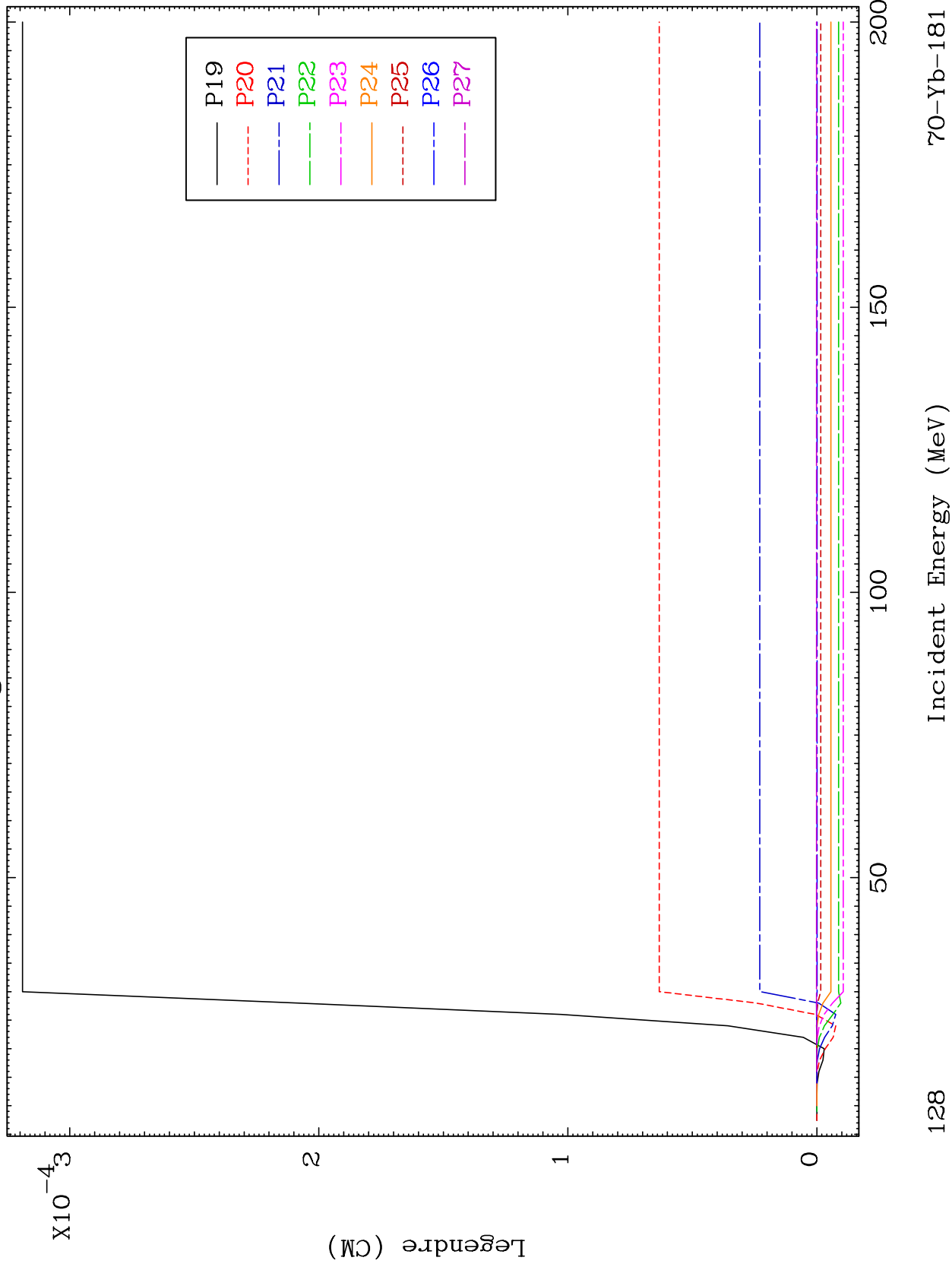




MAT 7064

MT= 78 (n,n') Level
Legendre Coefficients

70-Yb-181

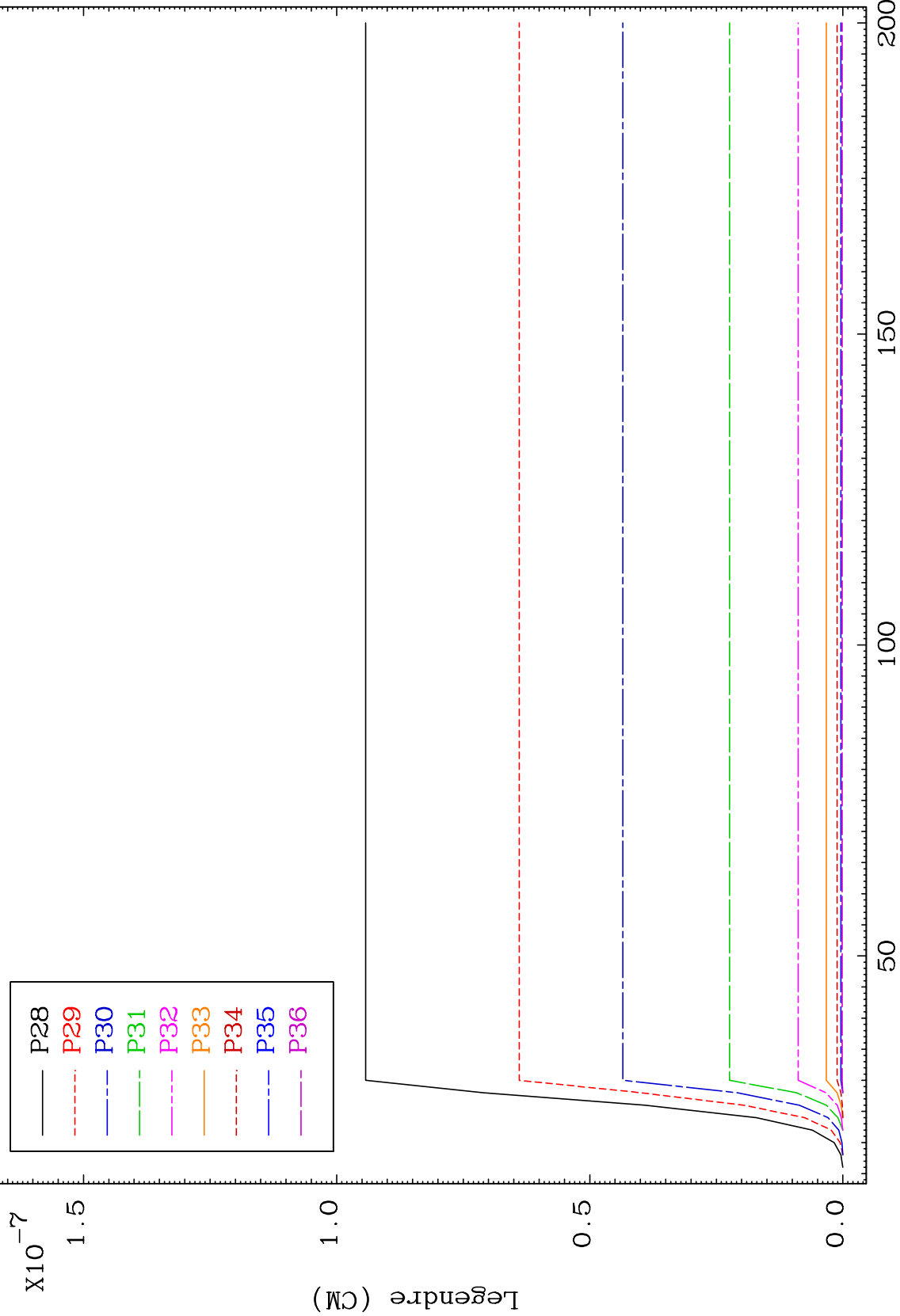
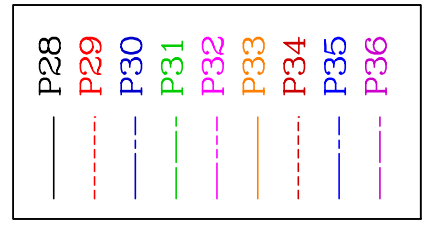


128

MAT 7064

MT= 78 (n,n') Level
Legendre Coefficients

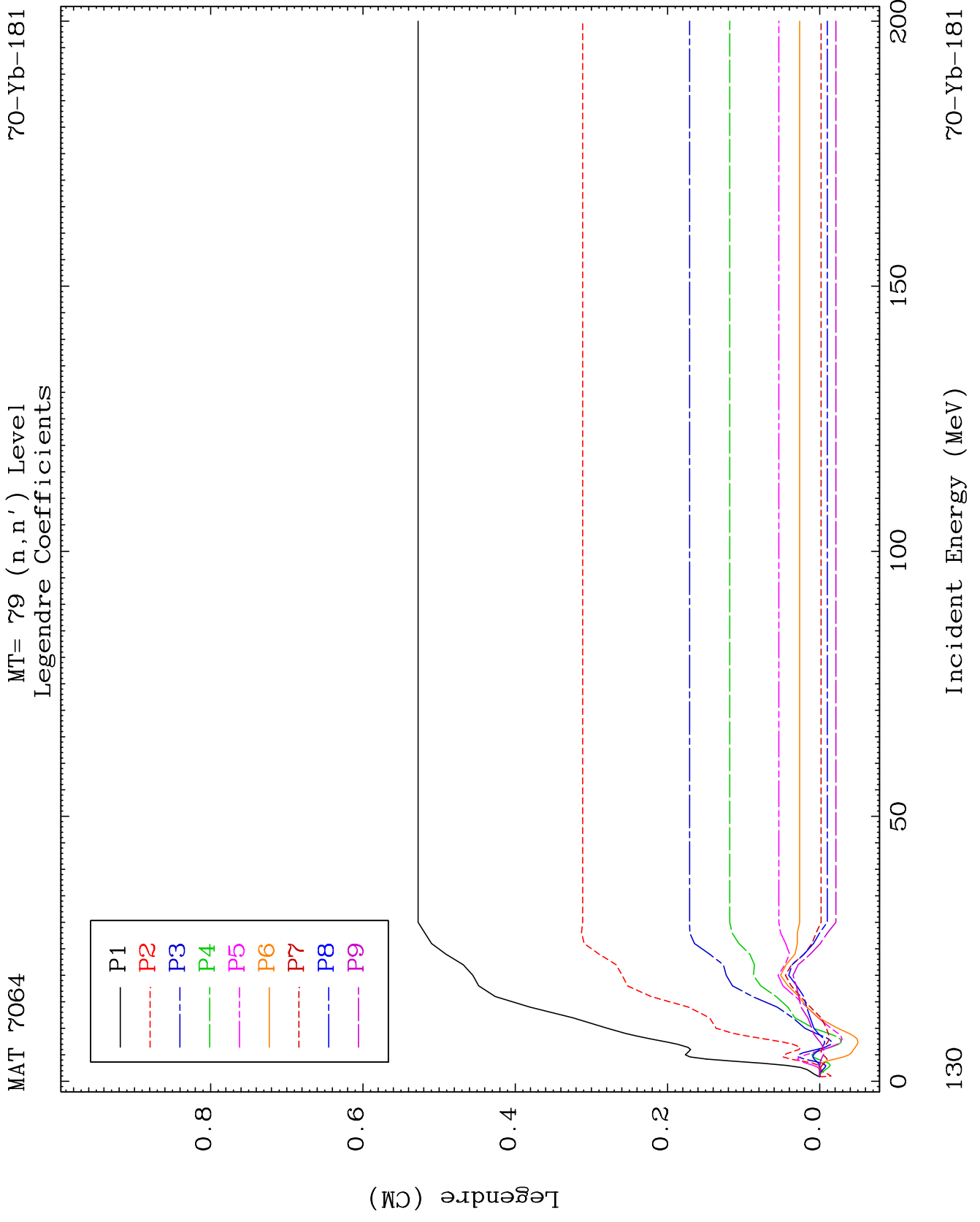
70-Yb-181



129

Incident Energy (MeV)

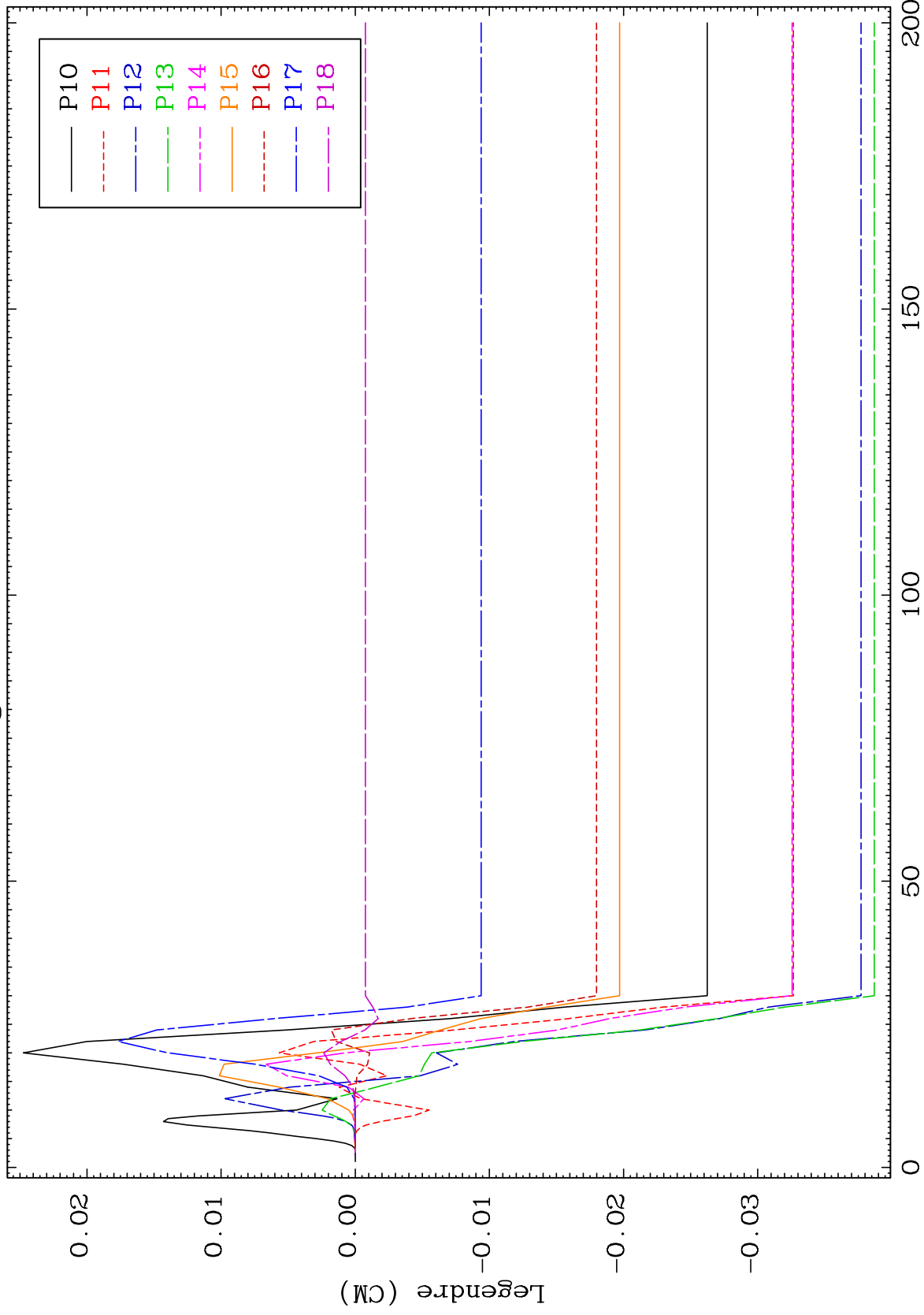
70-Yb-181



MAT 7064

MT= 79 (n,n') Level
Legendre Coefficients

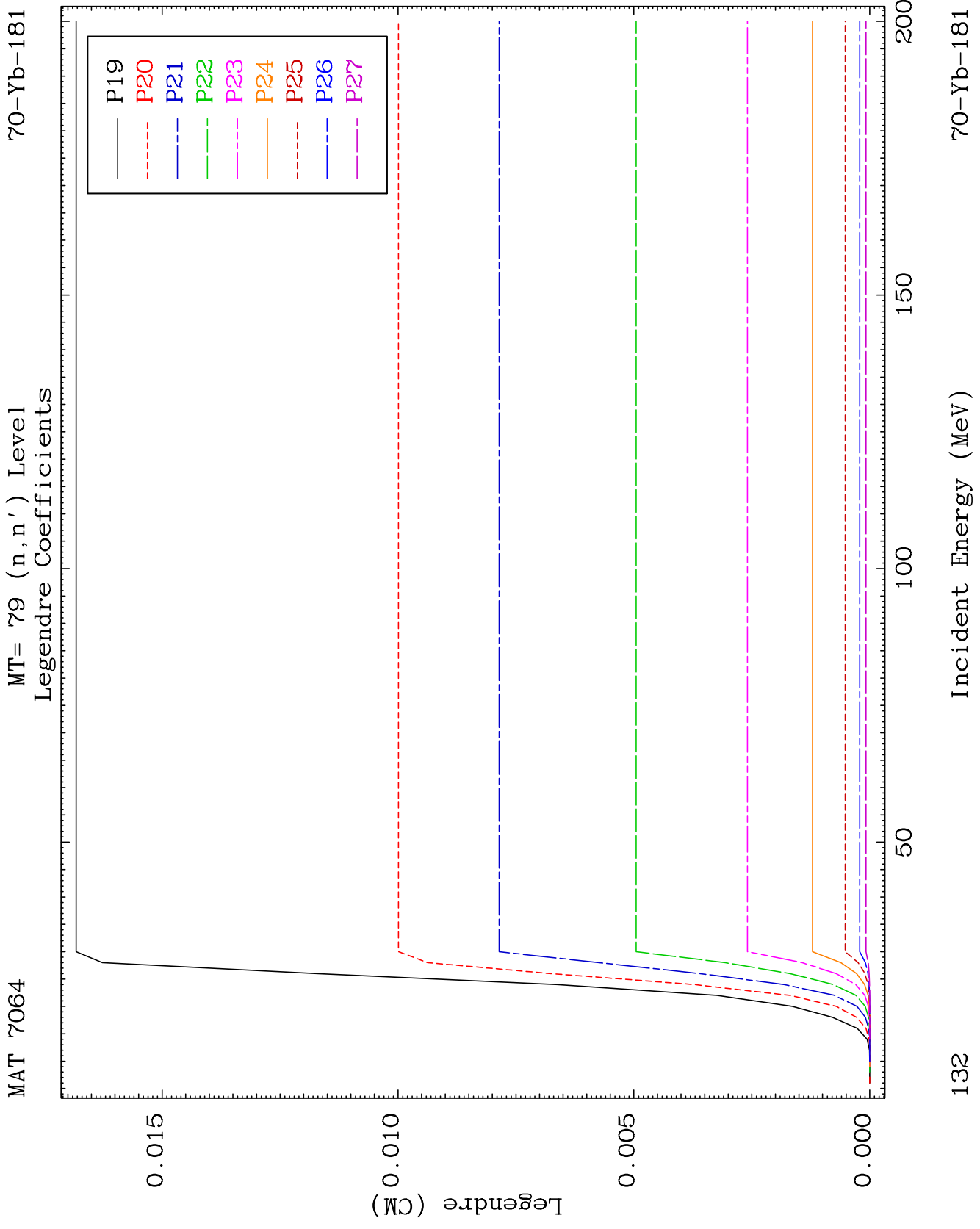
70-Yb-181



131

Incident Energy (MeV)

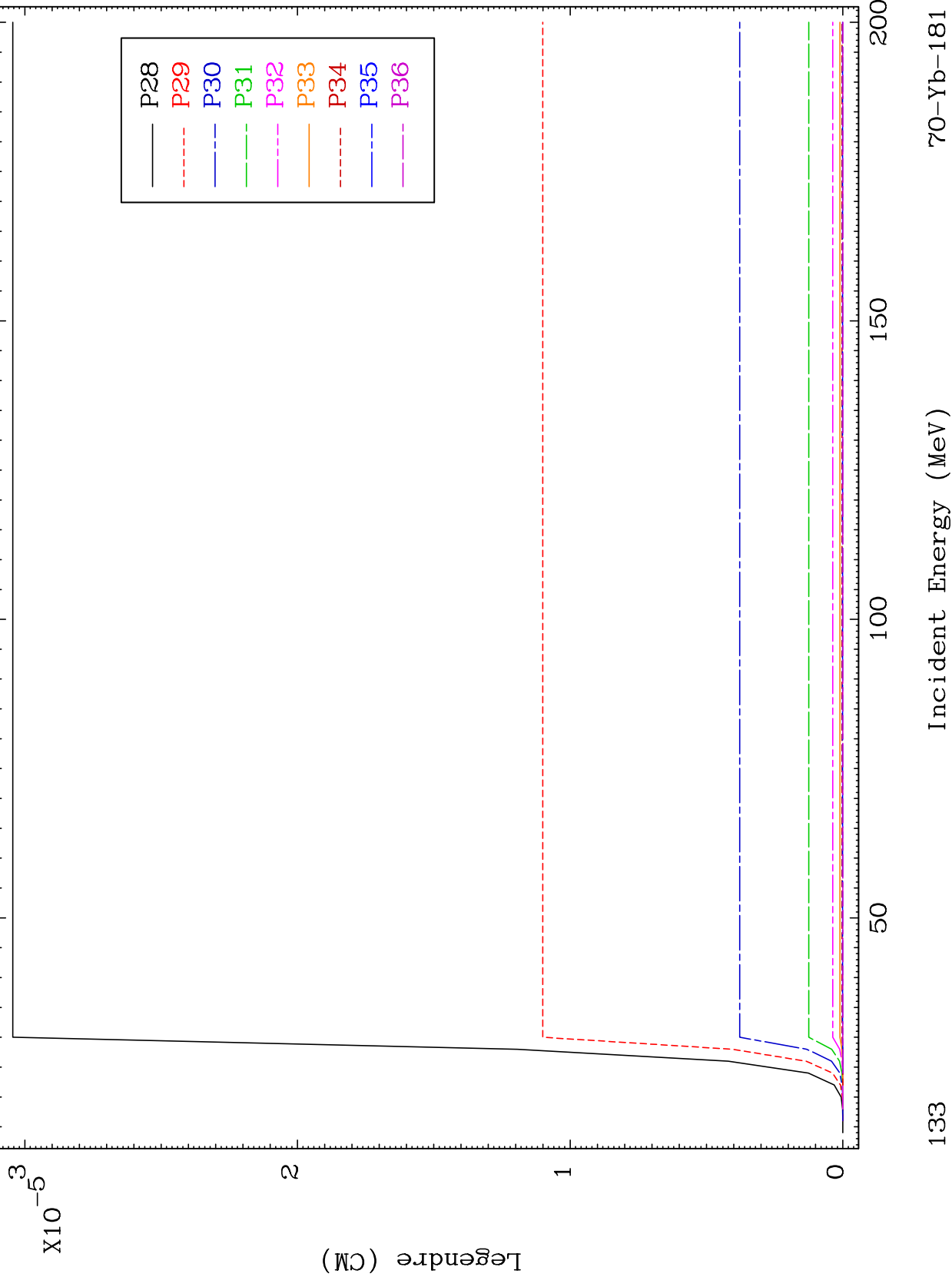
70-Yb-181



MAT 7064

MT= 79 (n,n') Level
Legendre Coefficients

70-Yb-181



MAT 7064

Fission

70-Yb-181

Radionuclide Production Cross Section

