

Program EVALPLOT
(Version 2017-1)

by

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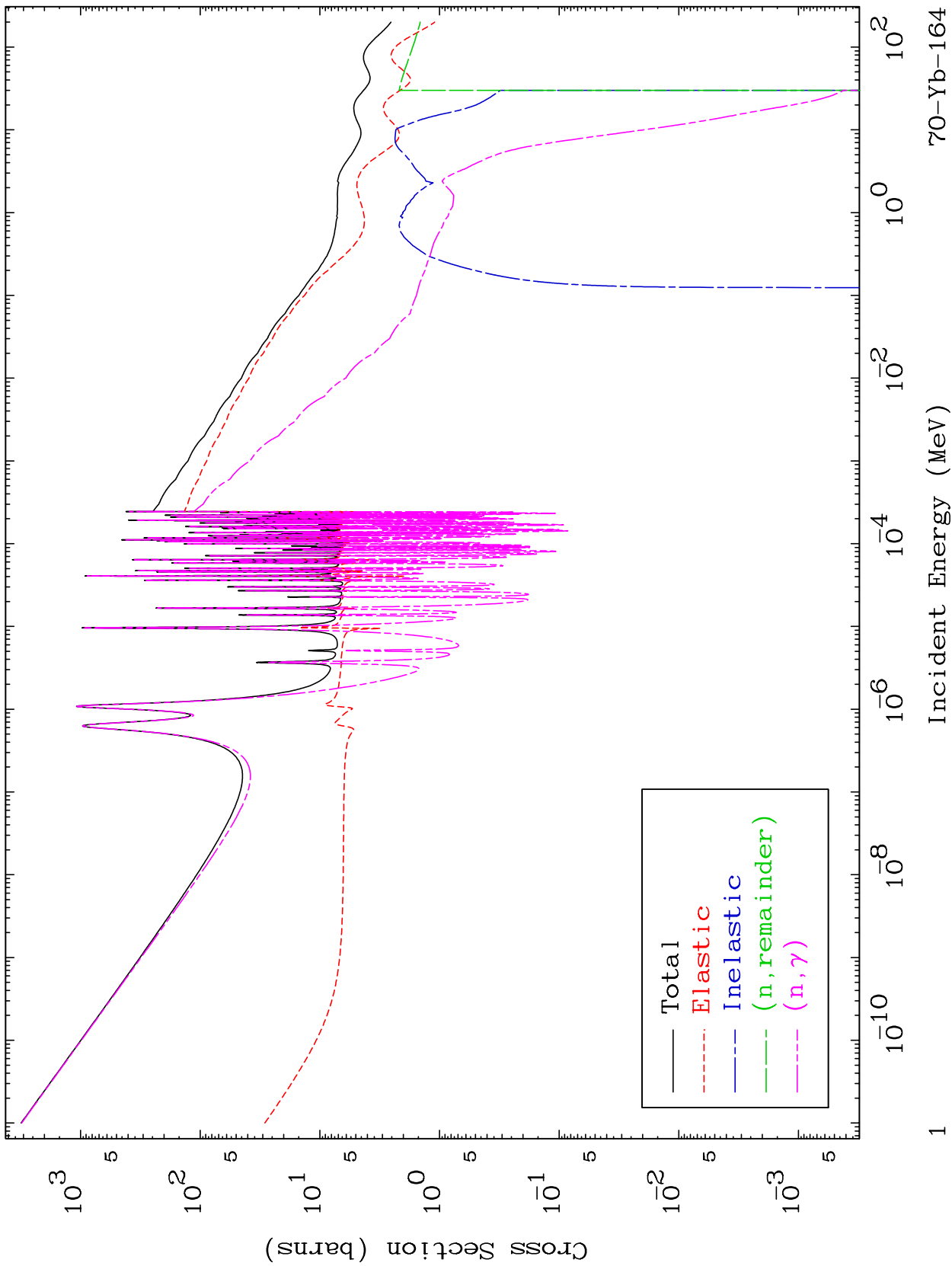
Press Mouse Button to Start

MAT 7013

Major

293 Kelvin Cross Sections

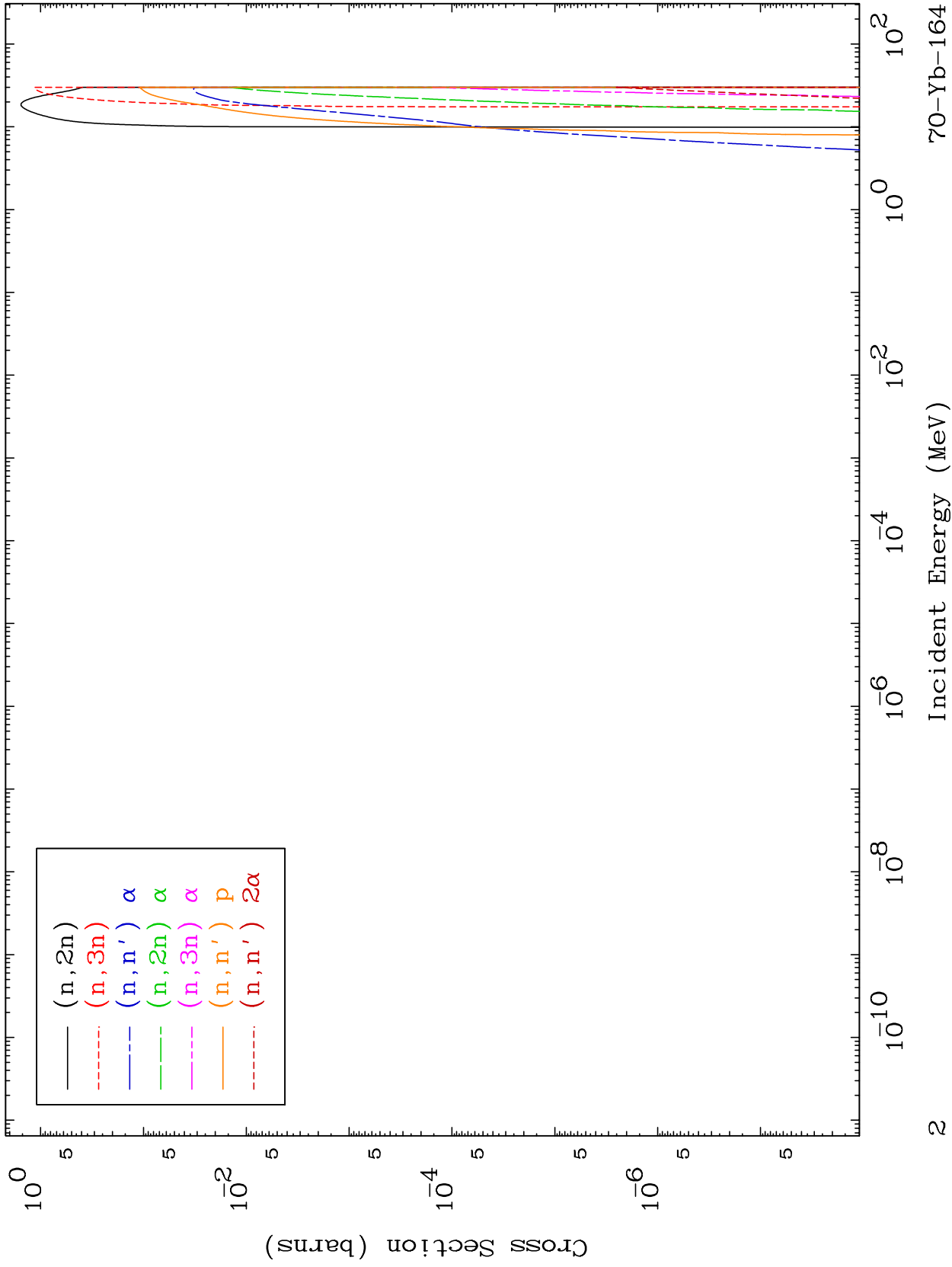
70-Yb-164

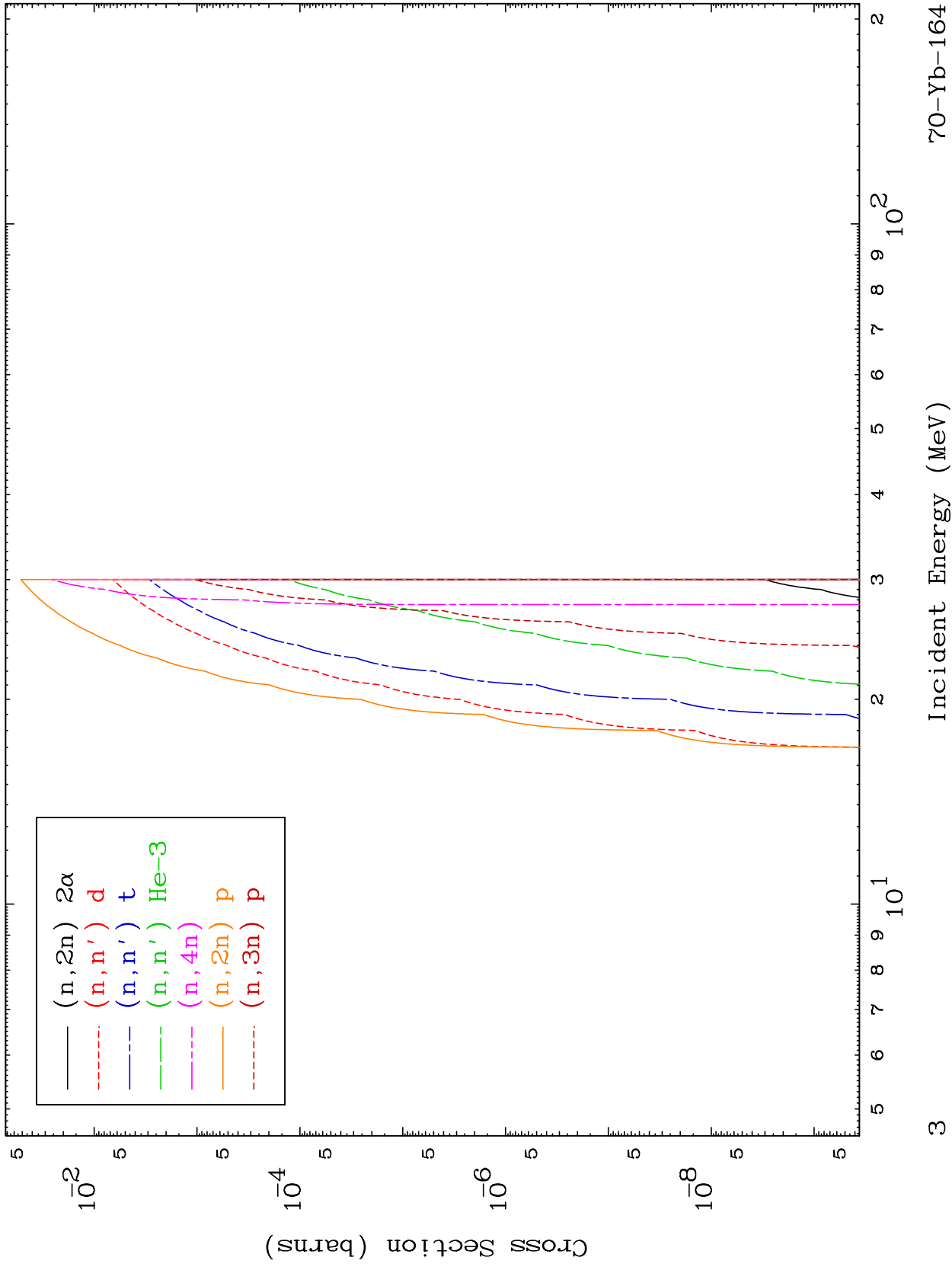


MAT 7013

Neutron Production
293 Kelvin Cross Sections

70-Yb-164

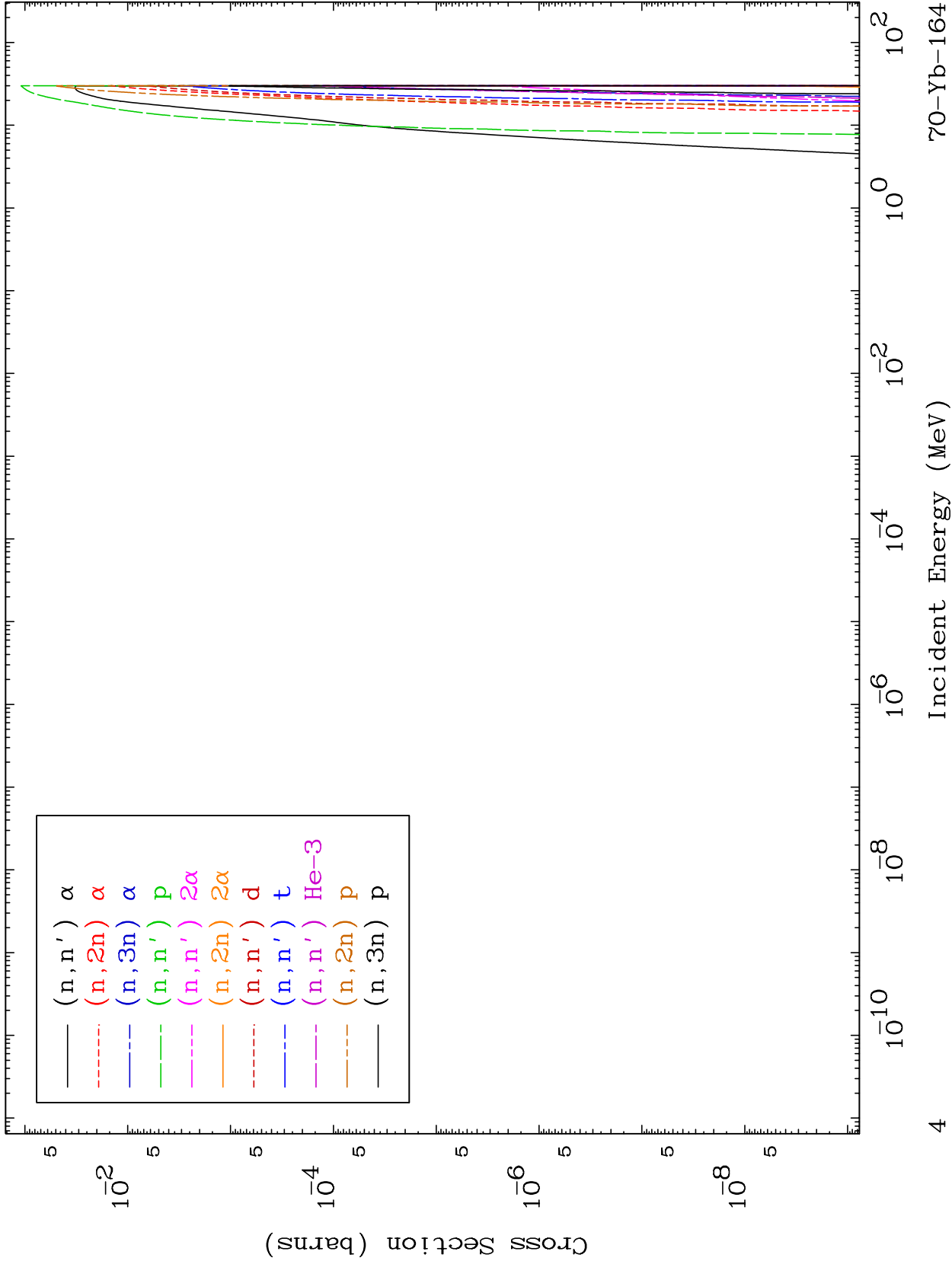




MAT 7013

Charged Particle
293 Kelvin Cross Sections

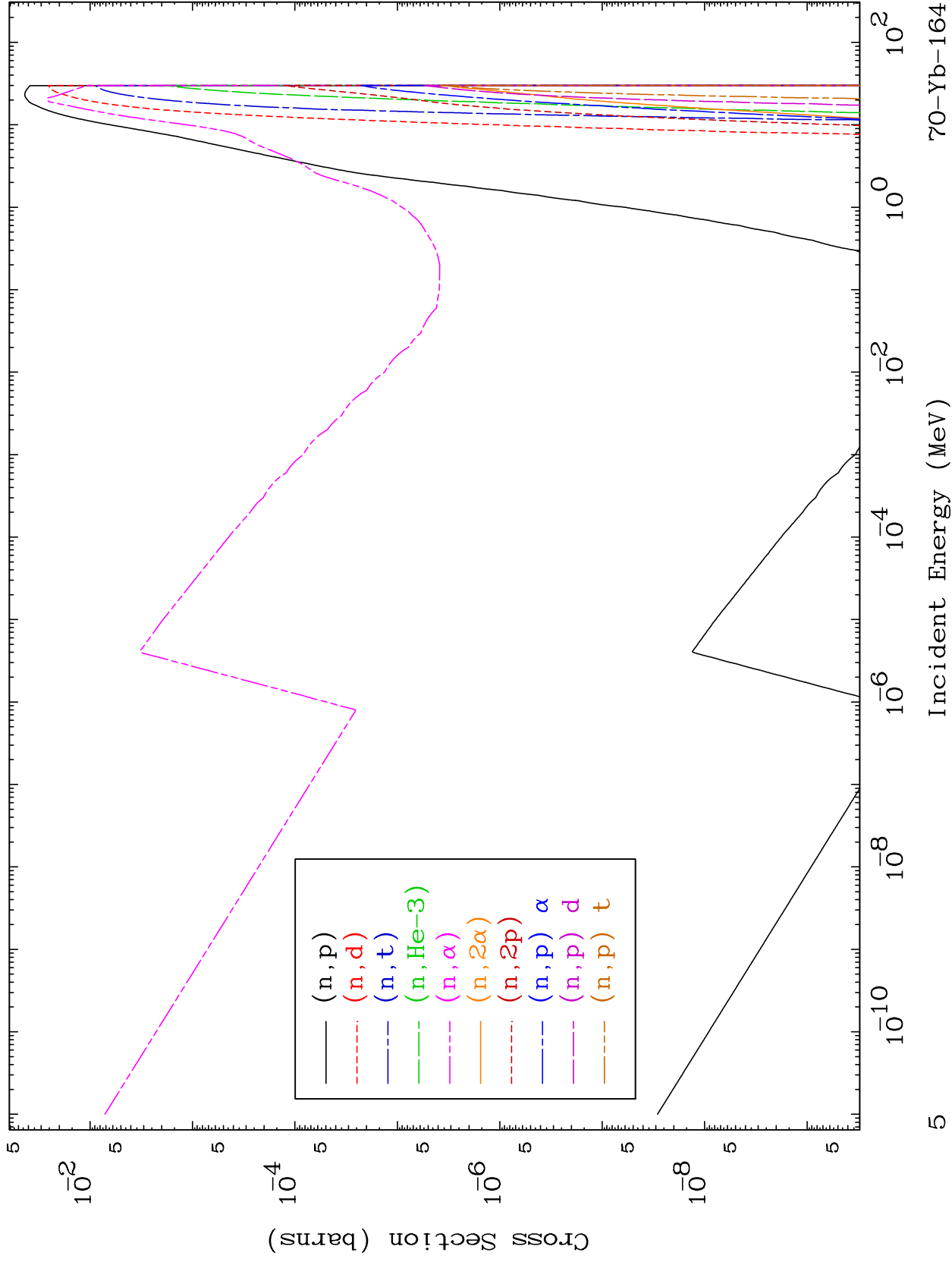
70-Yb-164



MAT 7013

Charged Particle
293 Kelvin Cross Sections

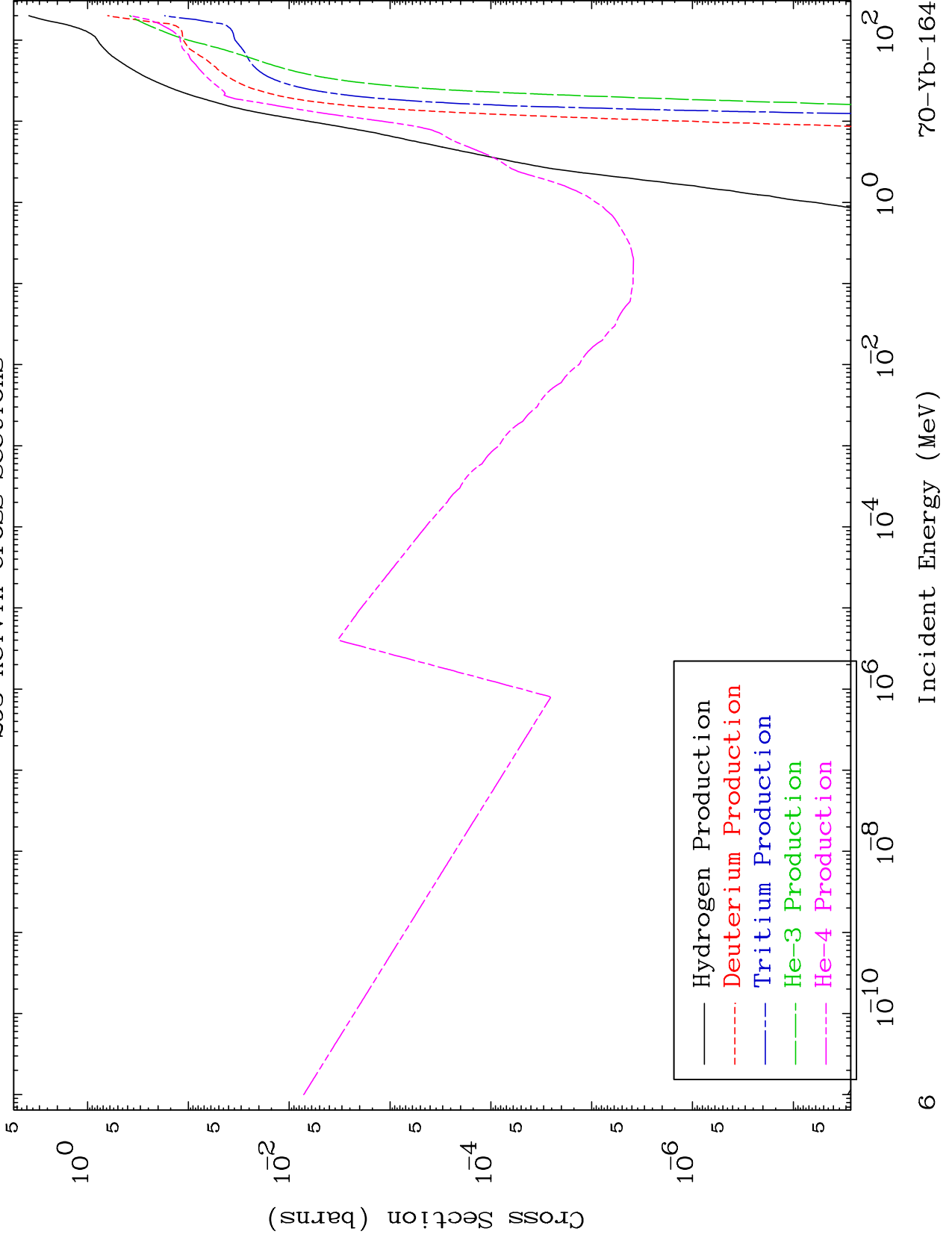
70-Yb-164



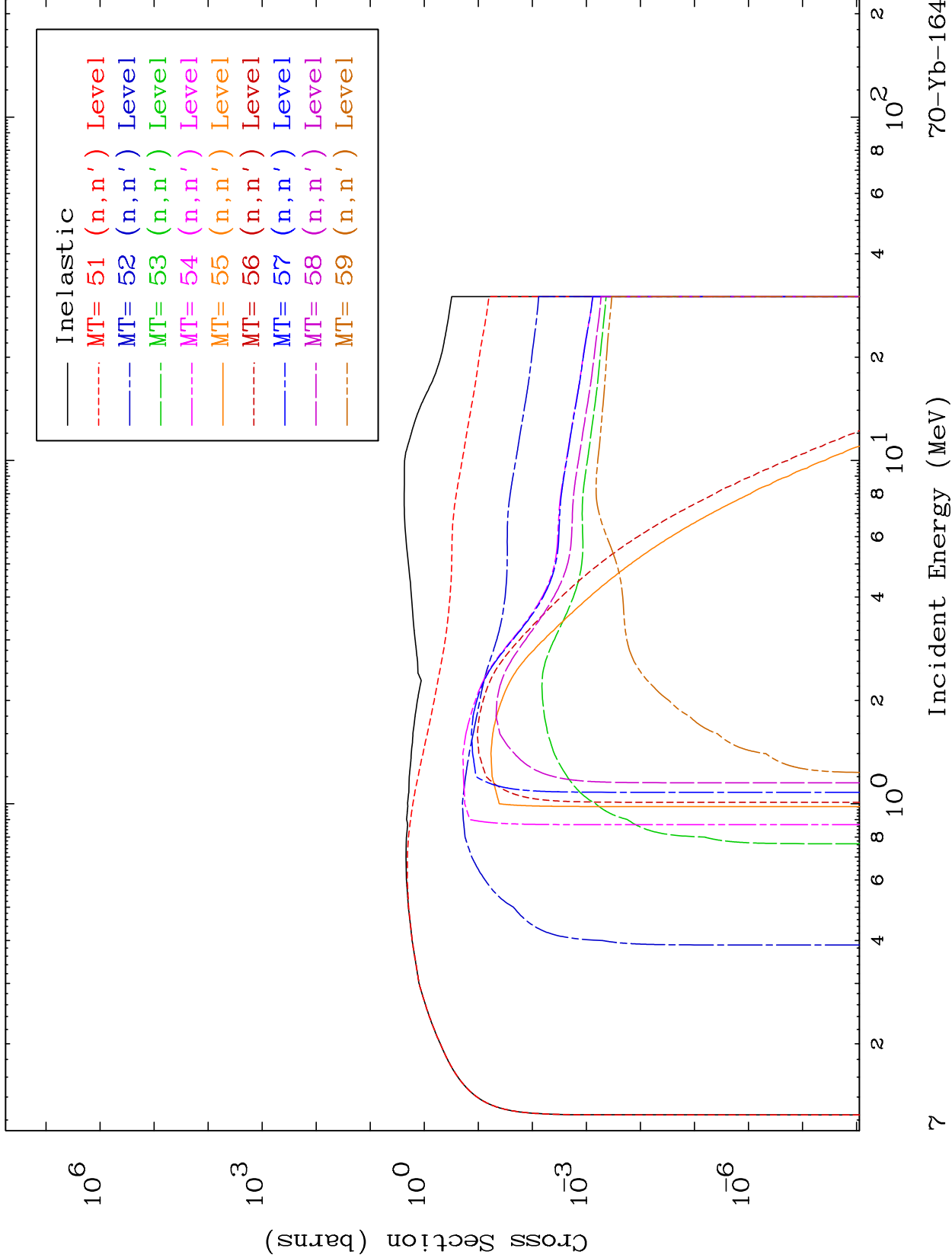
MAT 7013

Particle Production
293 Kelvin Cross Sections

70-Yb-164



293 Kelvin Cross Sections

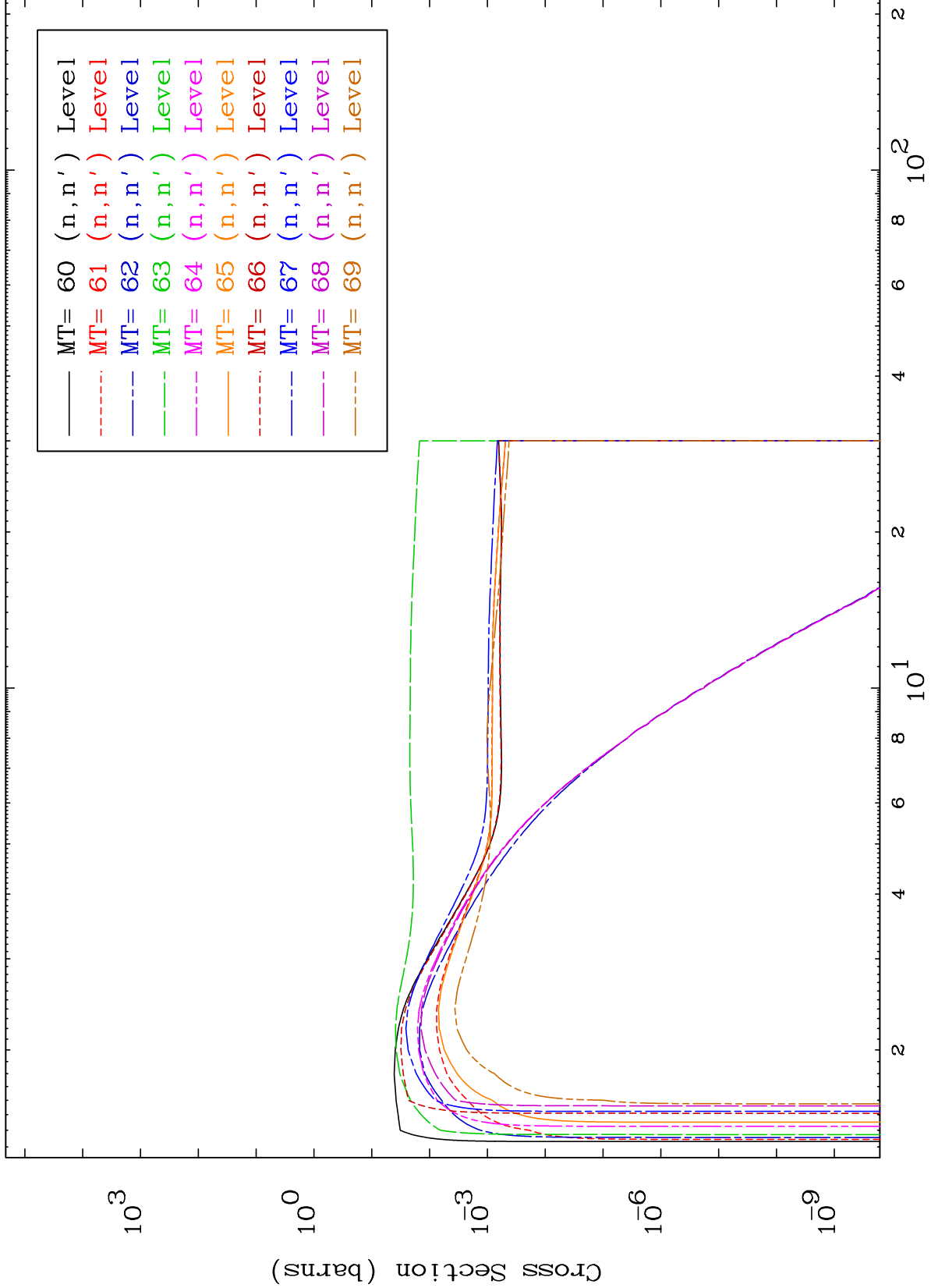


MAT 7013

(n,n') Level

70-Yb-164

293 Kelvin Cross Sections



8

Incident Energy (MeV)

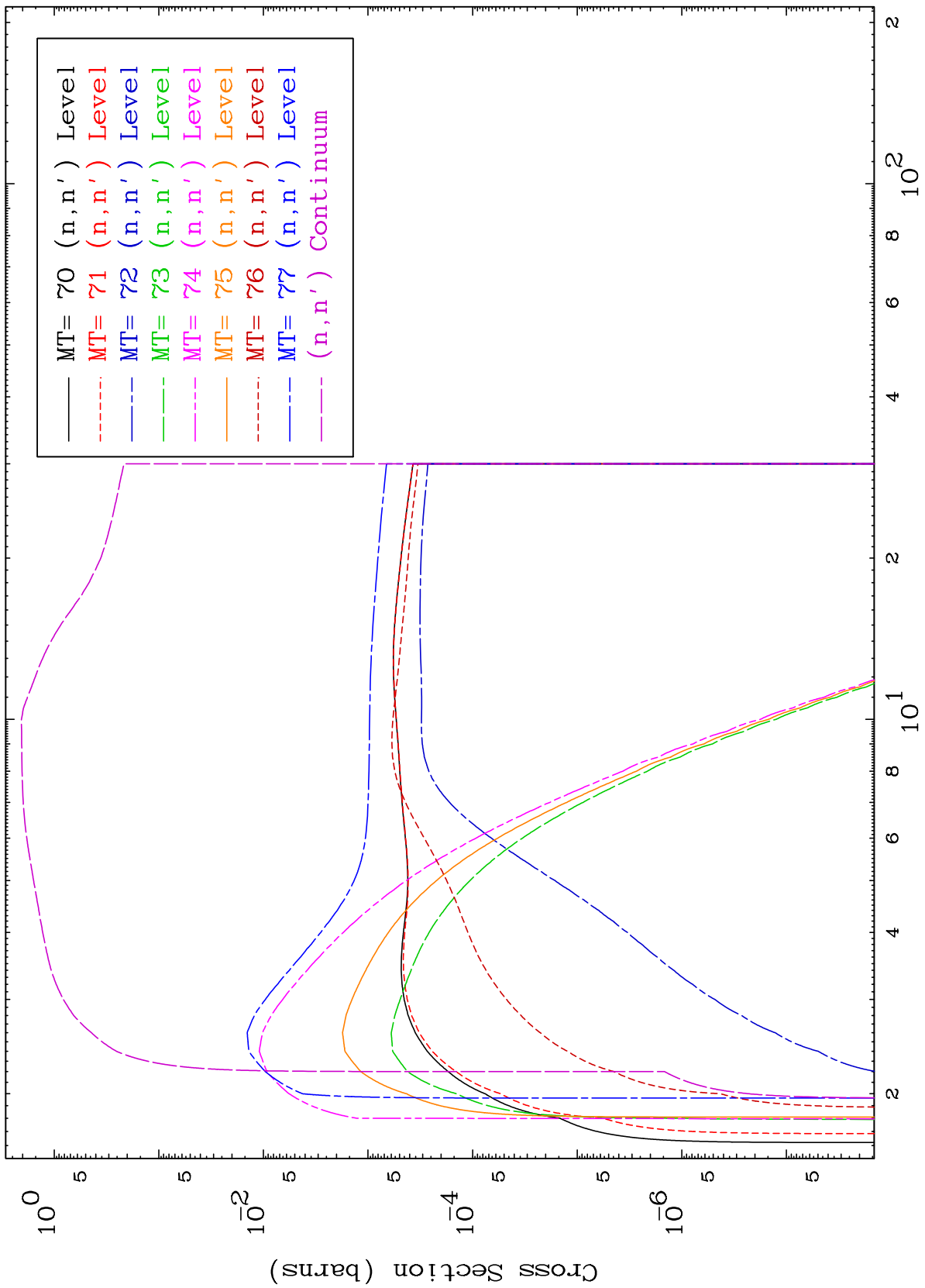
70-Yb-164

MAT 7013

(n,n') Level

70-Yb-164

293 Kelvin Cross Sections



9

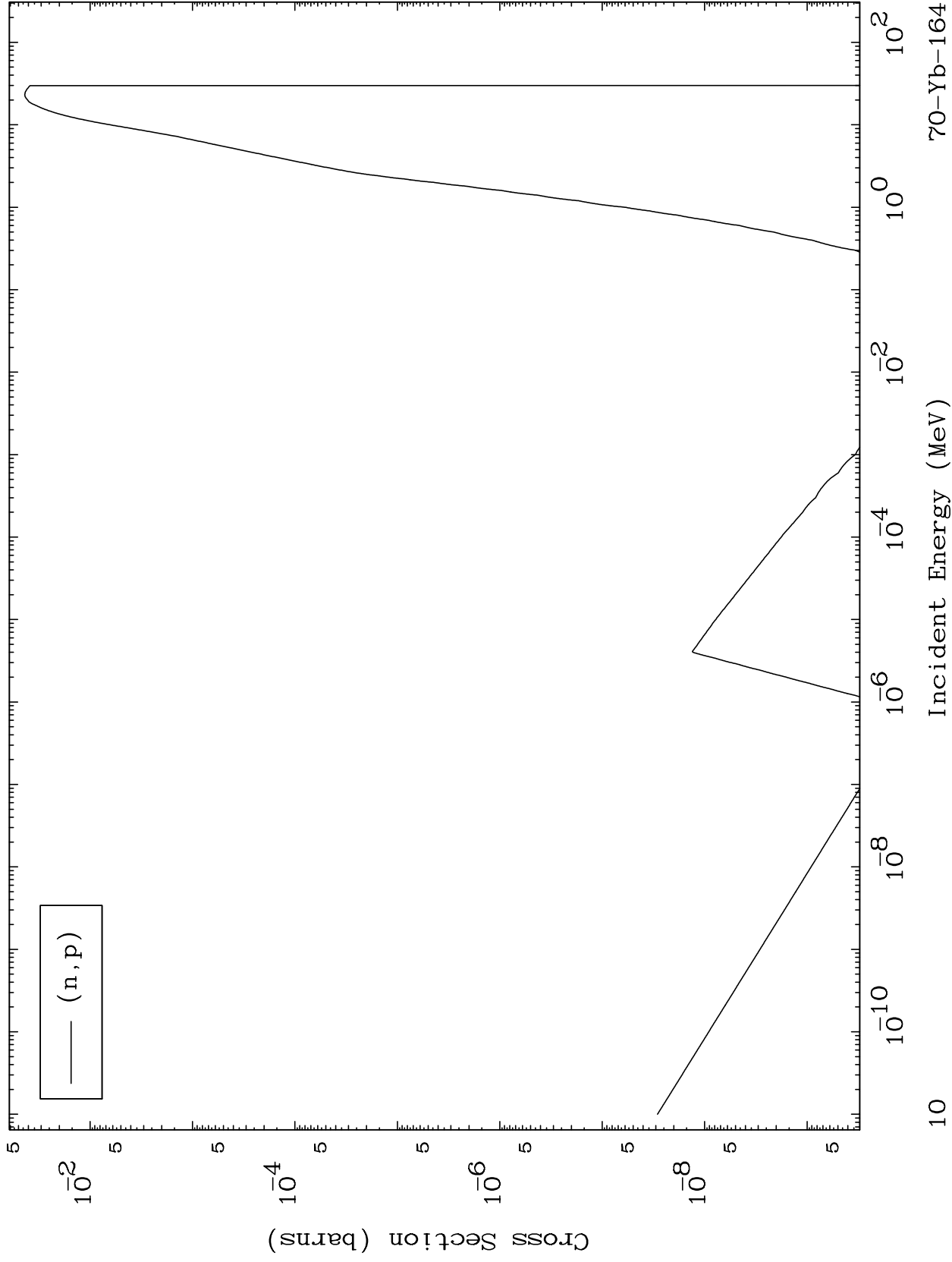
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-164



10

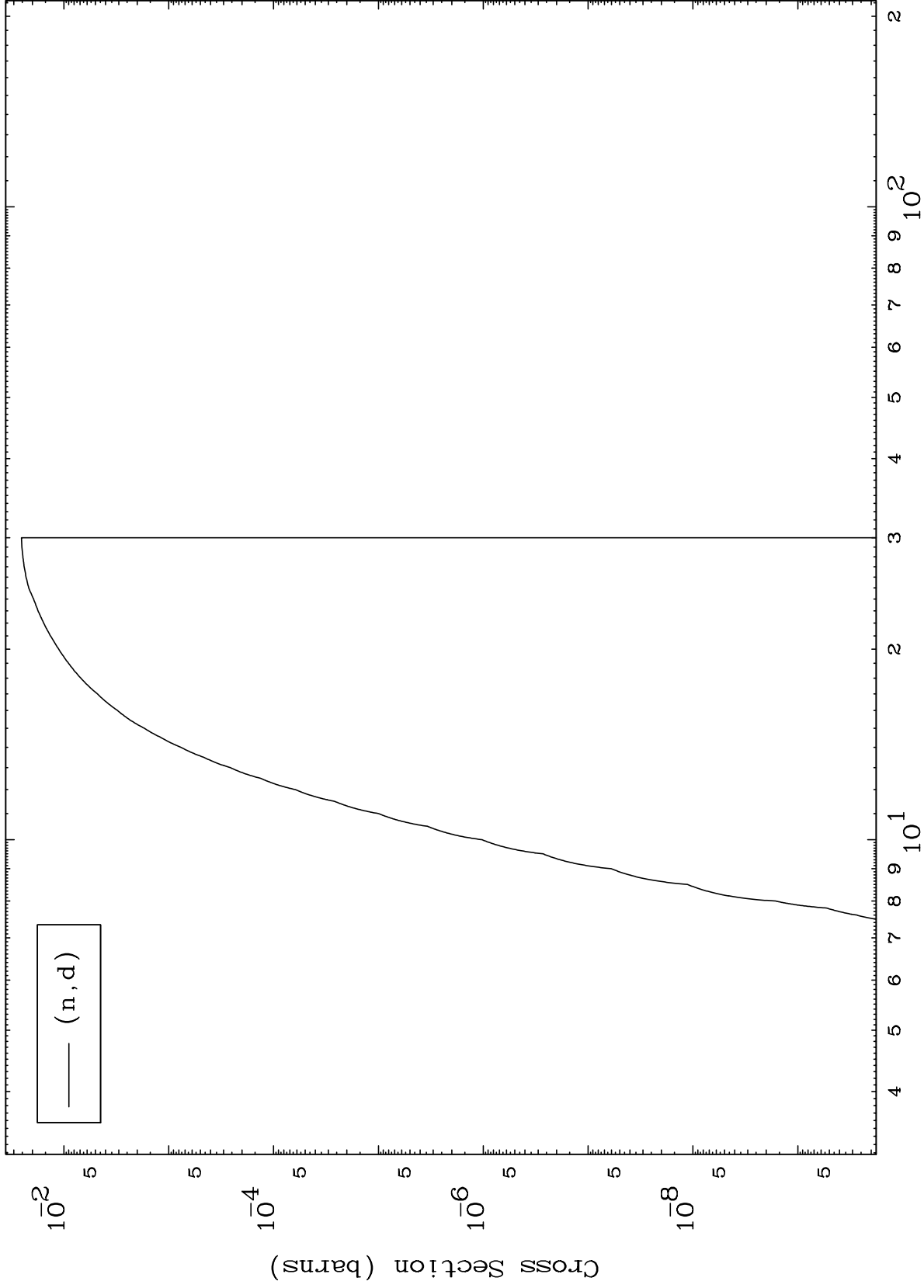
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,d) Levels
293 Kelvin Cross Sections

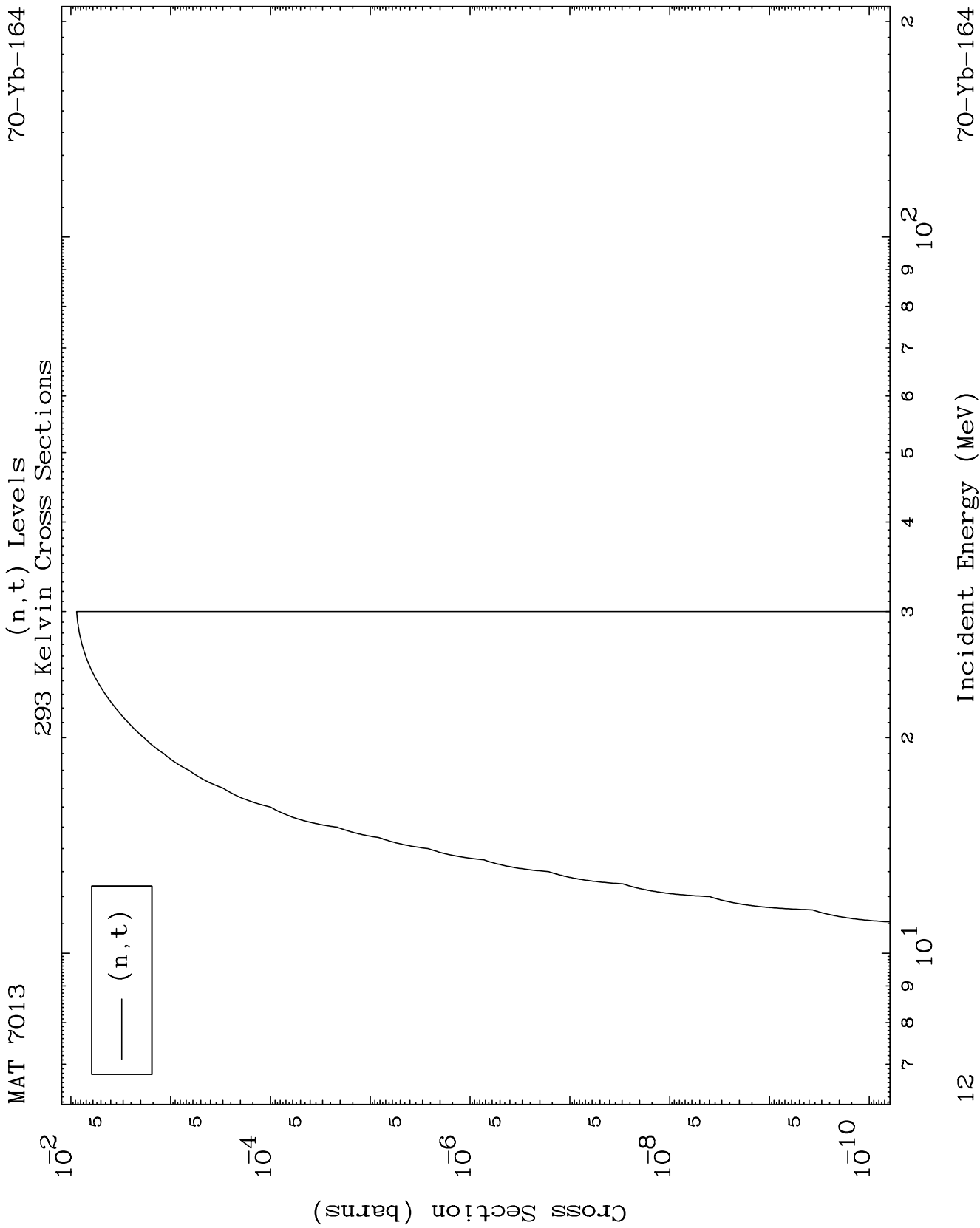
70-Yb-164



11

Incident Energy (MeV)

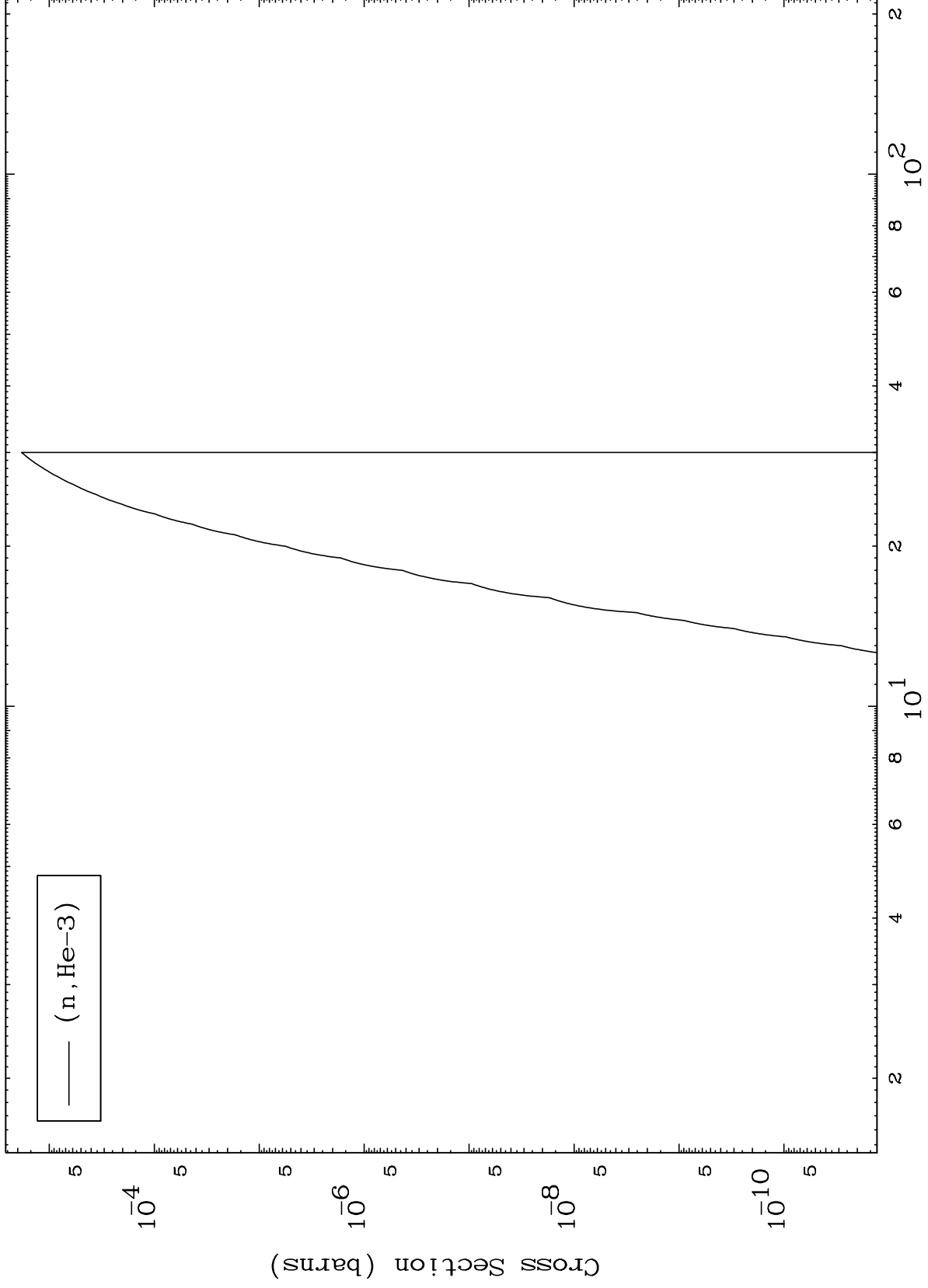
70-Yb-164



MAT 7013

(n,He3) Levels
293 Kelvin Cross Sections

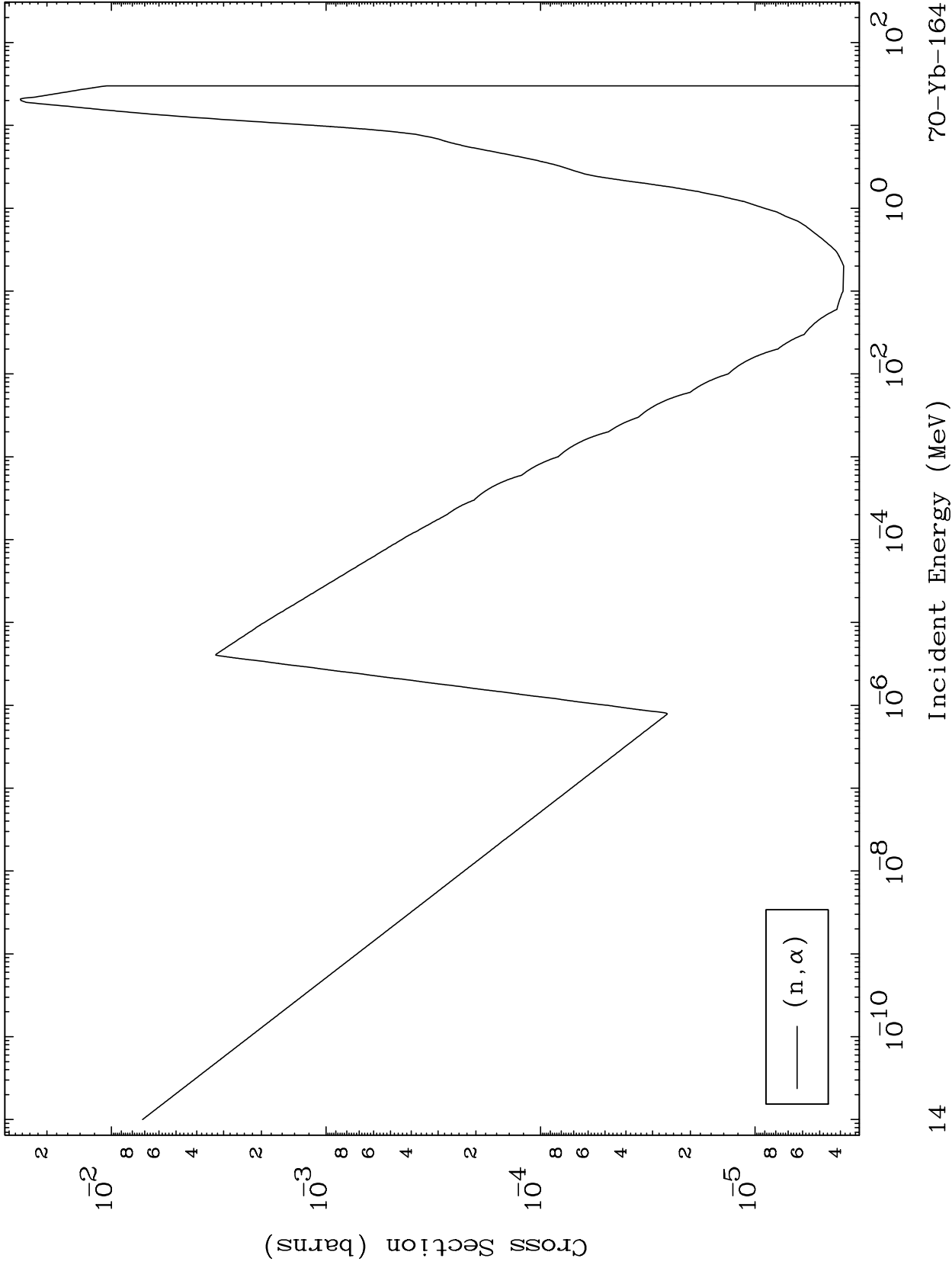
70-Yb-164

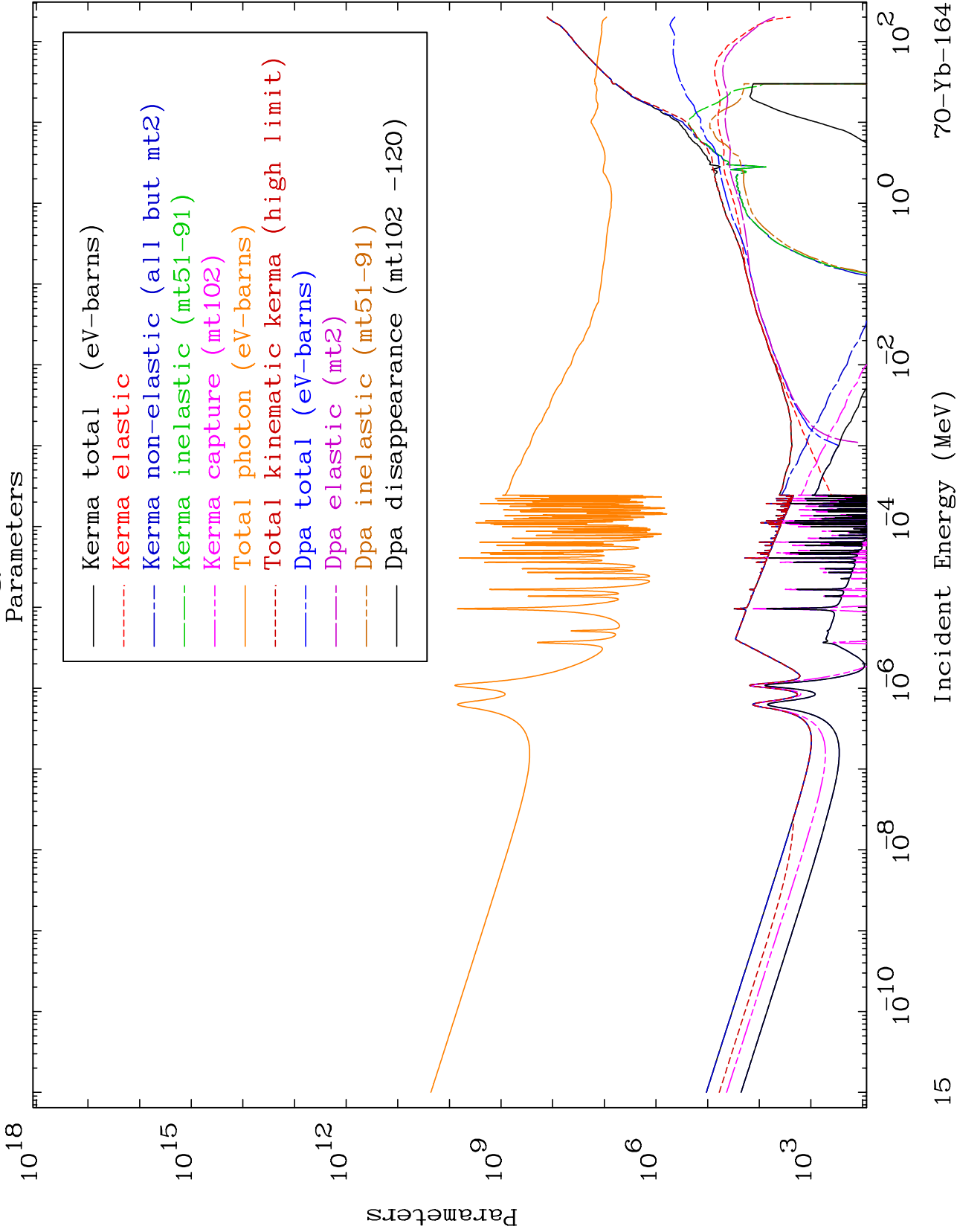


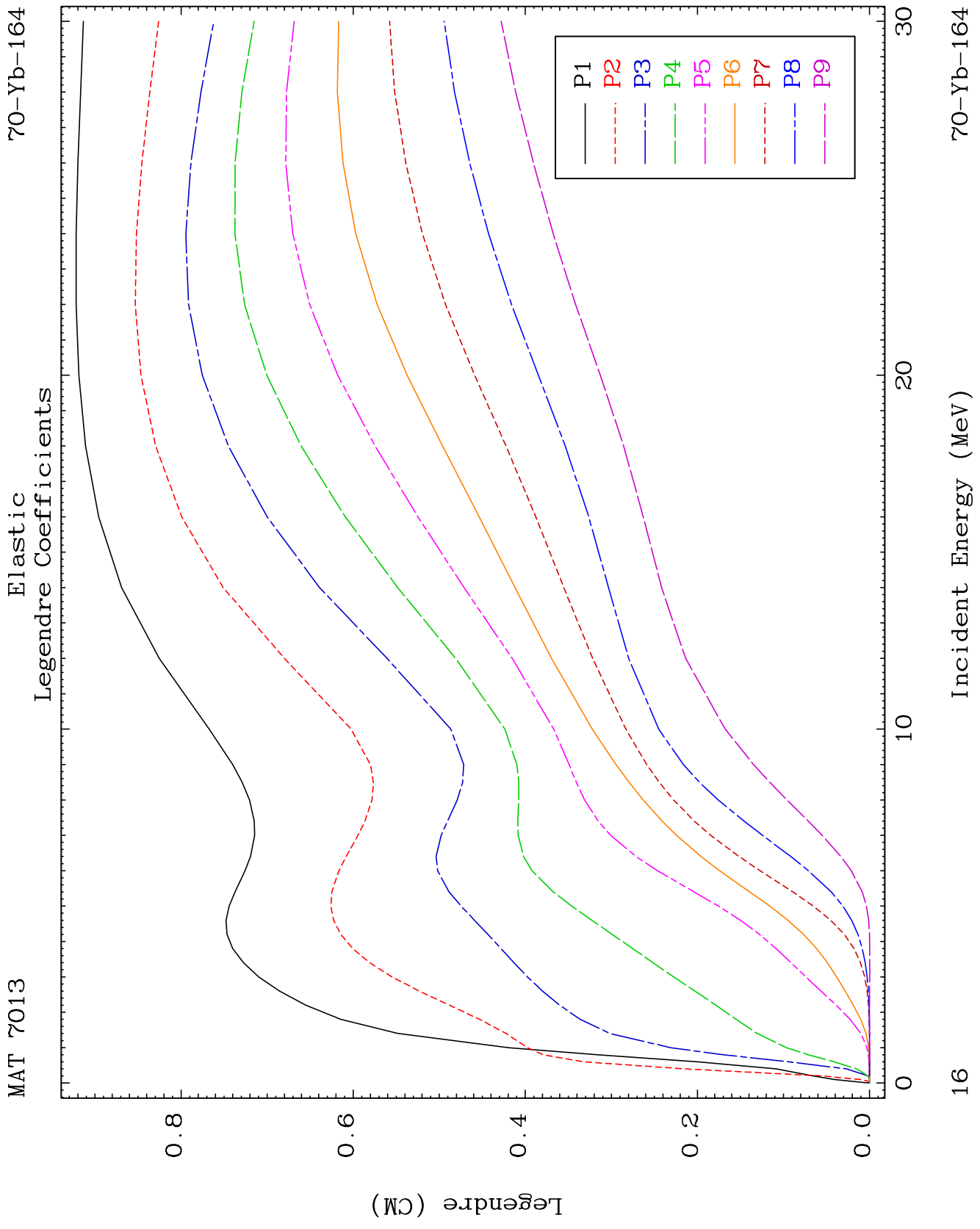
MAT 7013

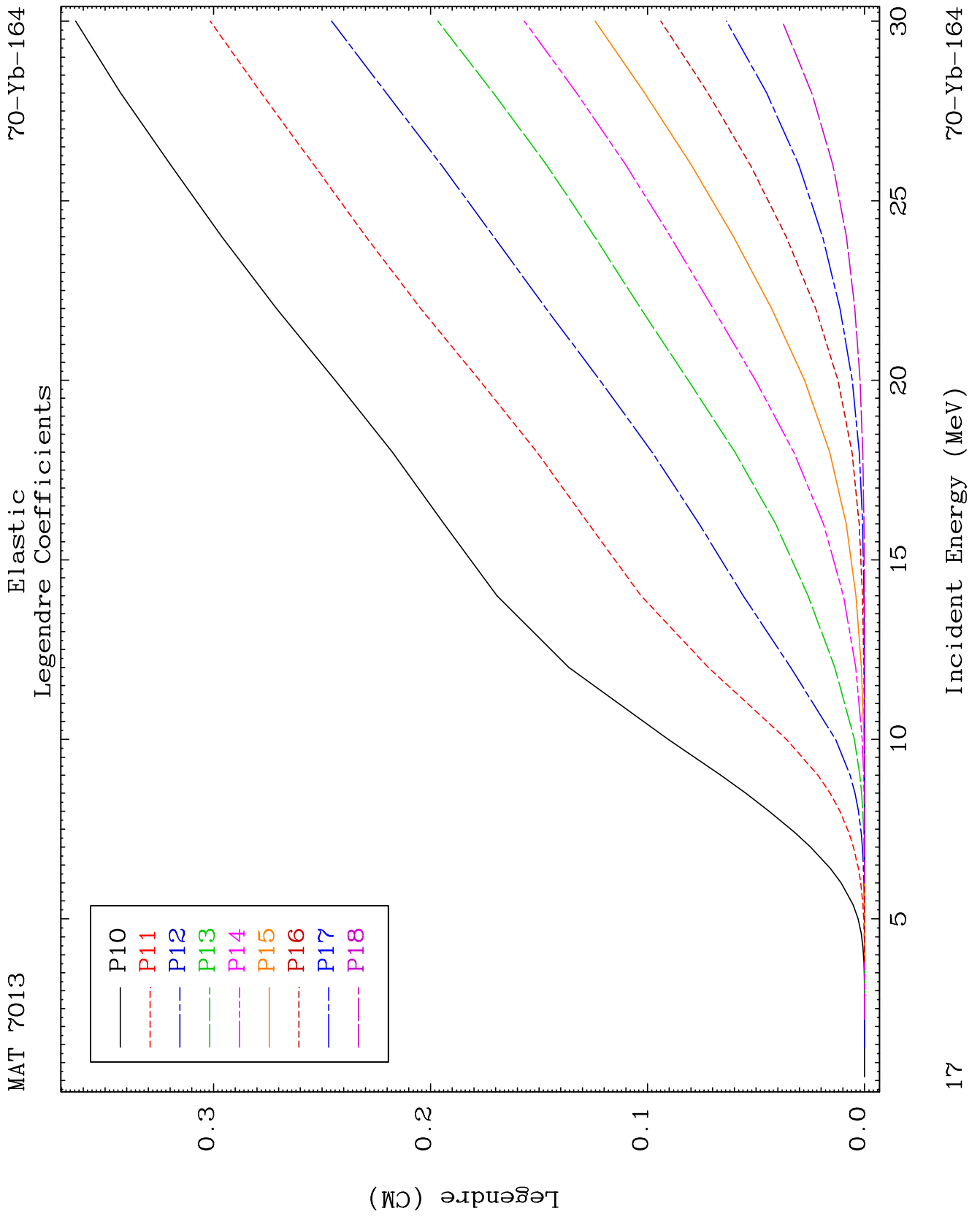
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-164





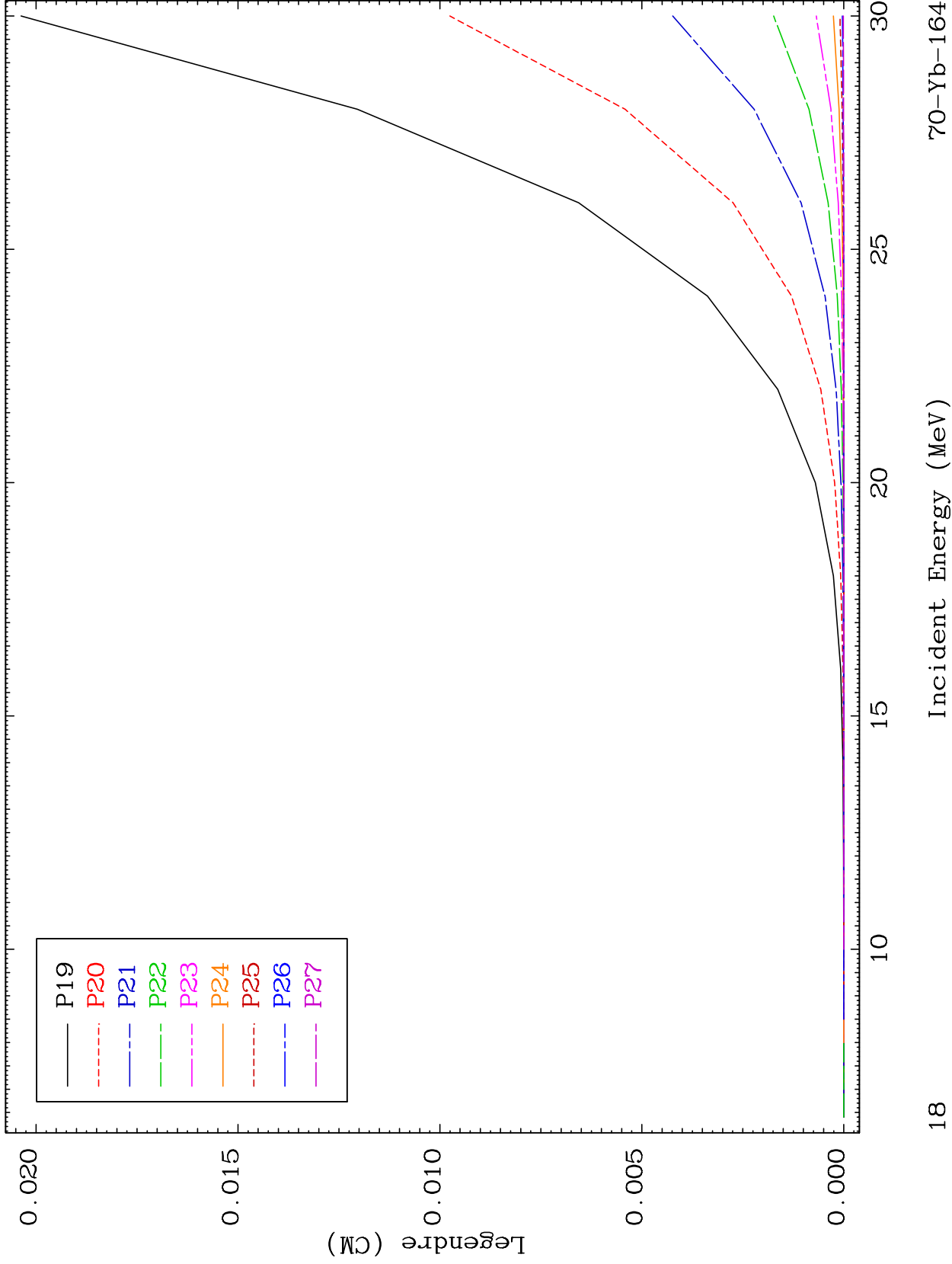




MAT 7013

Elastic
Legendre Coefficients

70-Yb-164

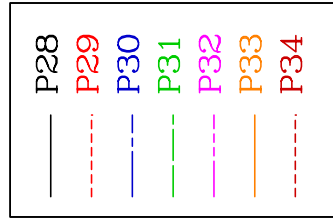


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 7013

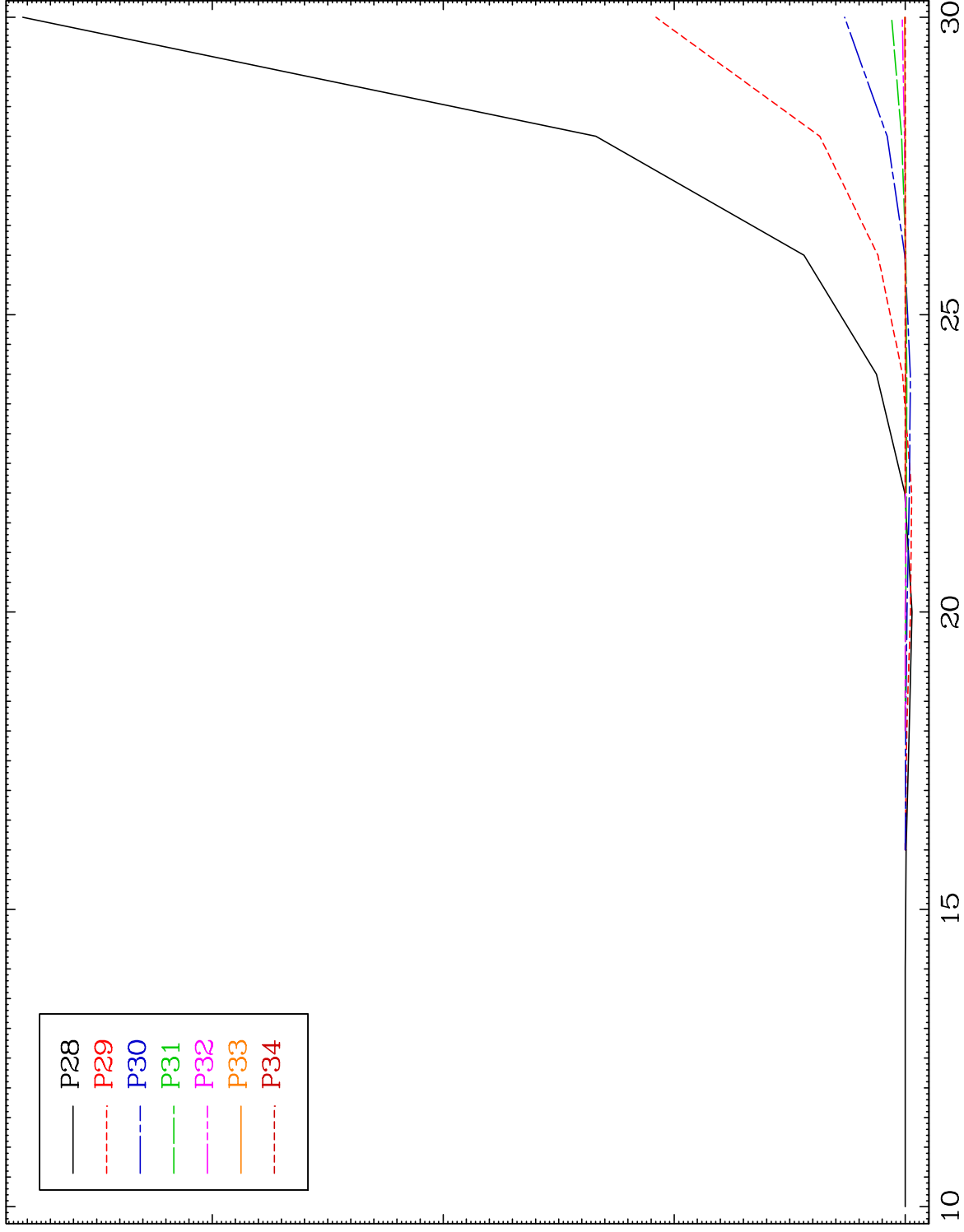
Elastic Legendre Coefficients

70-Yb-164



$\times 10^{-6}$

Legendre (CM)



10

15

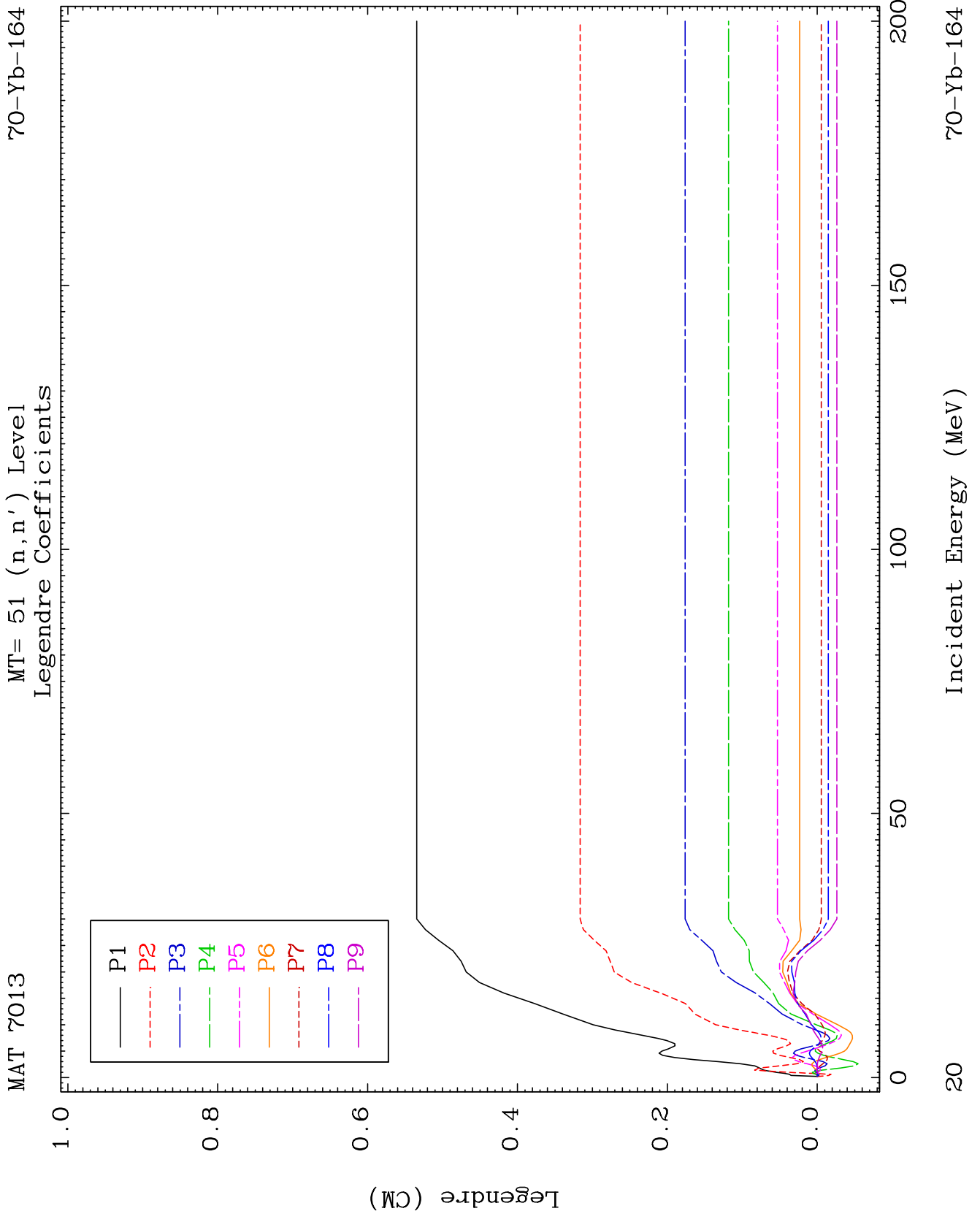
20

25

30

Incident Energy (MeV)

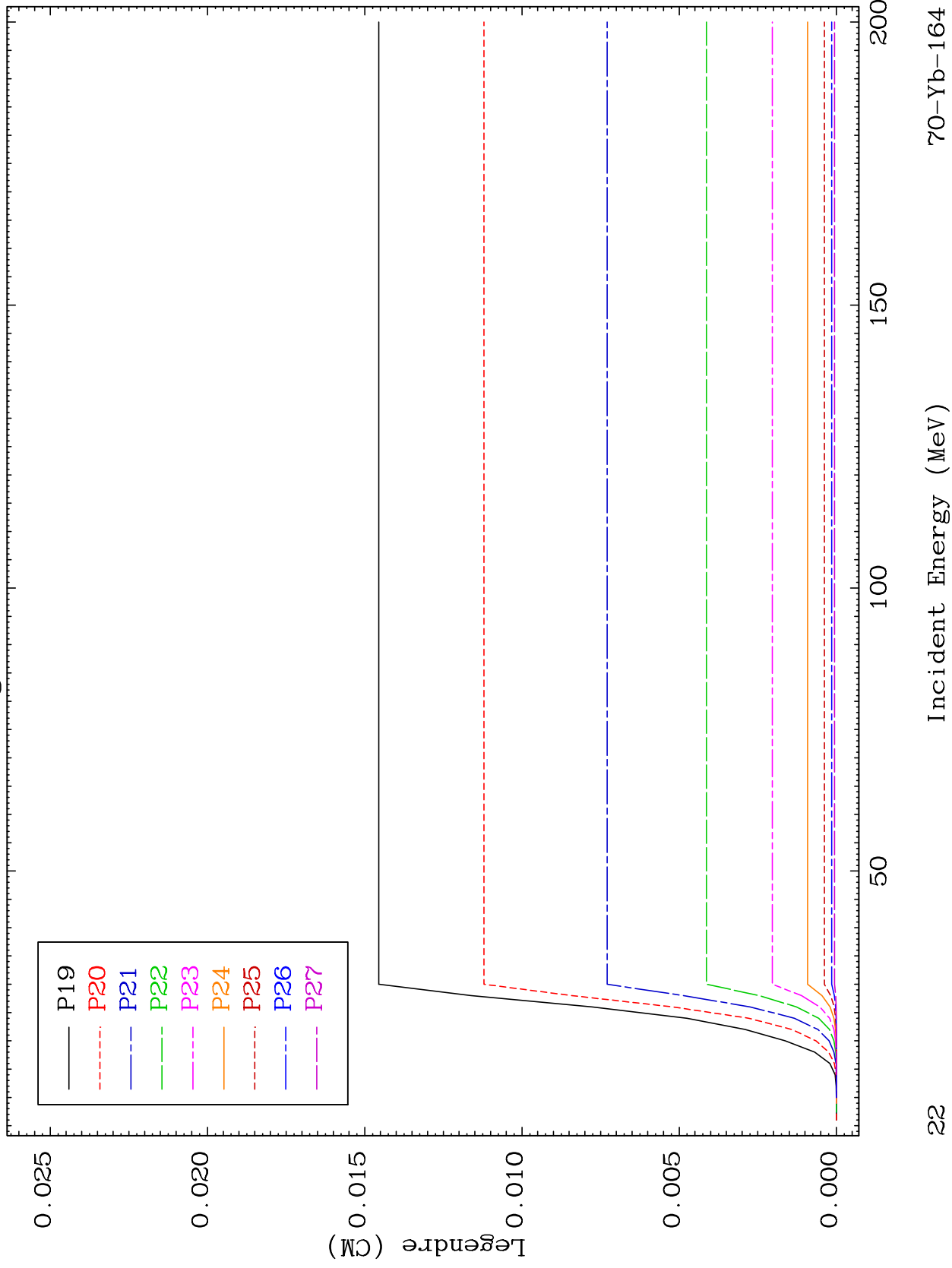
70-Yb-164



MAT 7013

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

70-Yb-164



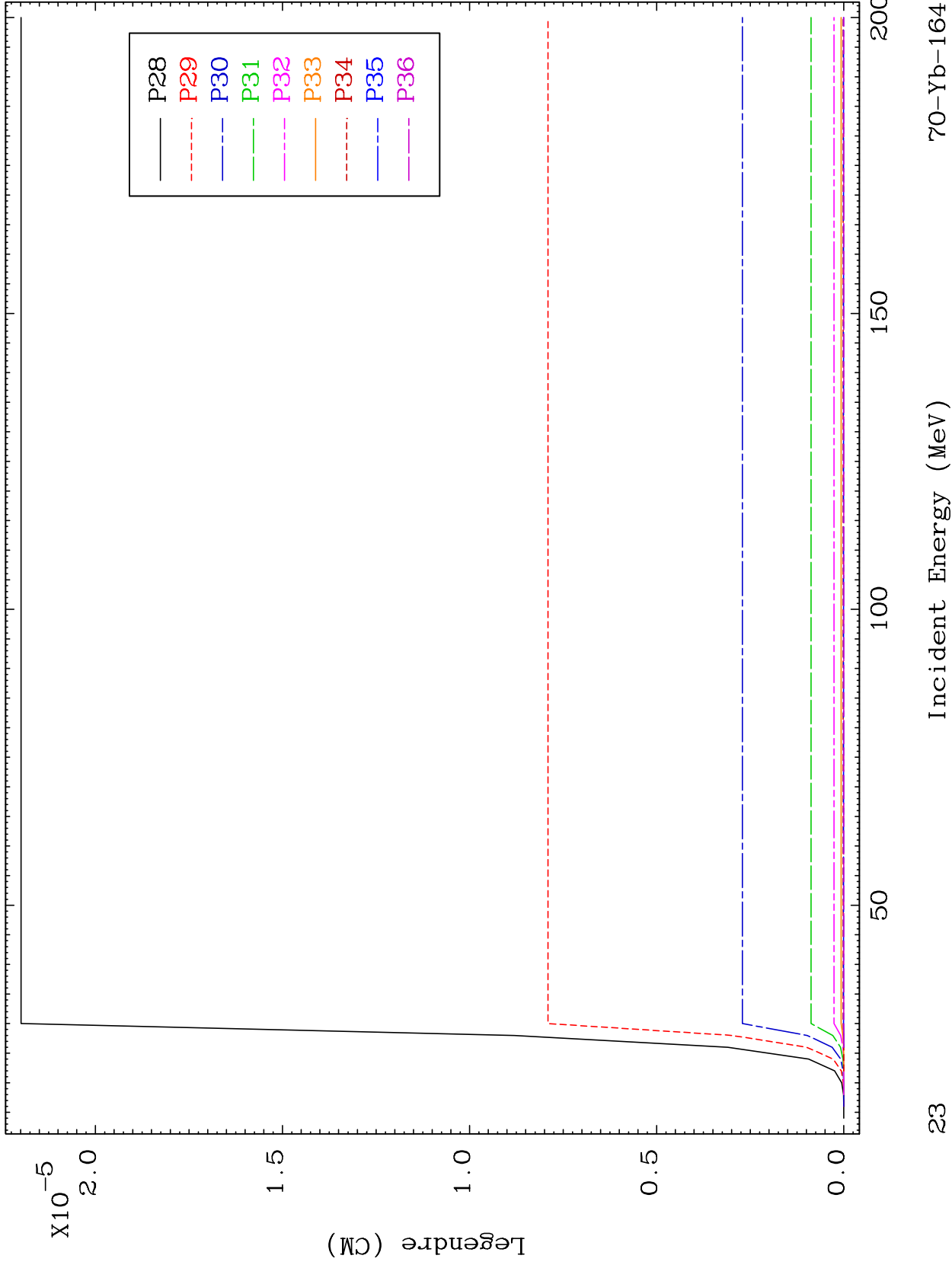
22

70-Yb-164

MAT 7013

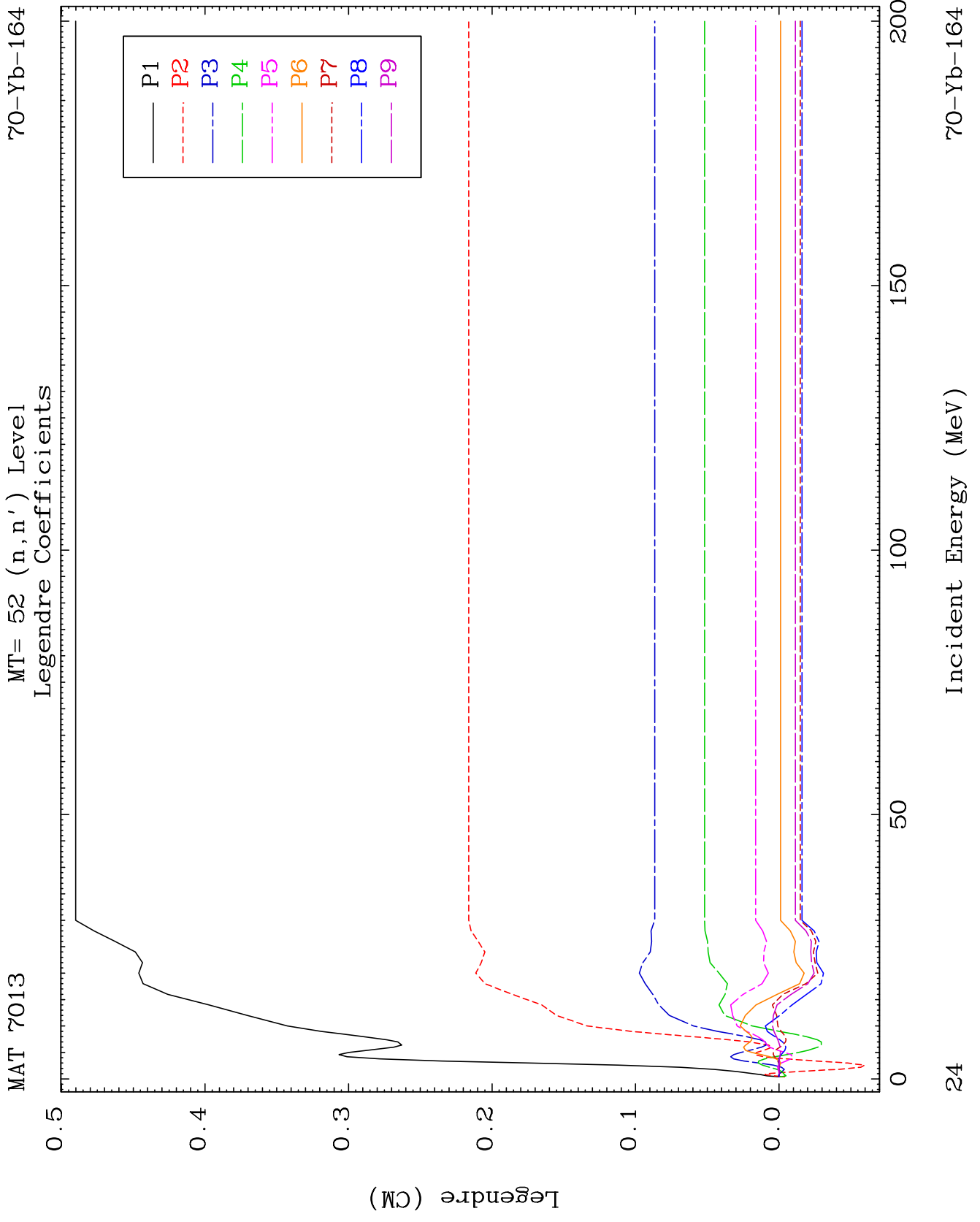
MT= 51 (n,n') Level
Legendre Coefficients

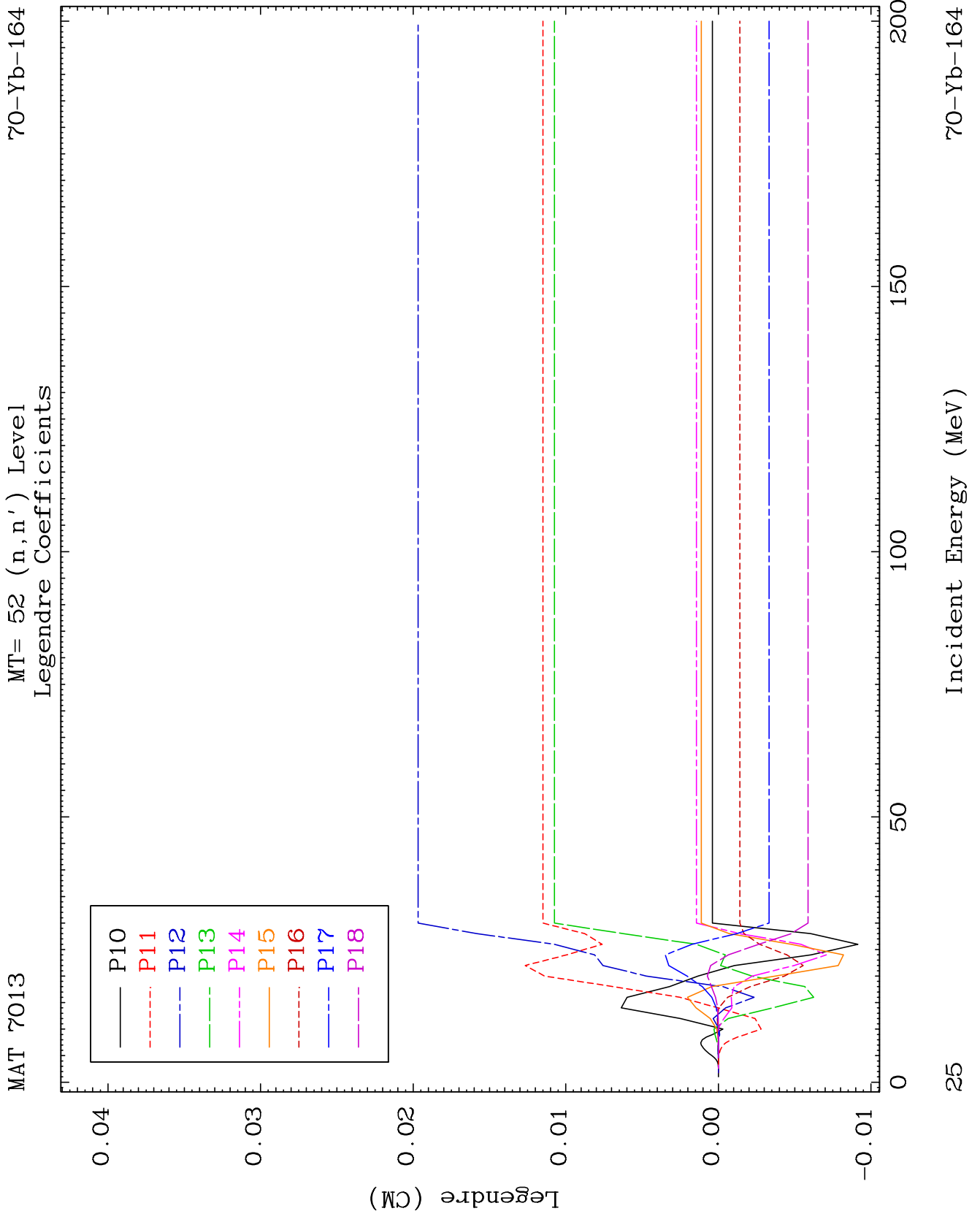
70-Yb-164



23

70-Yb-164

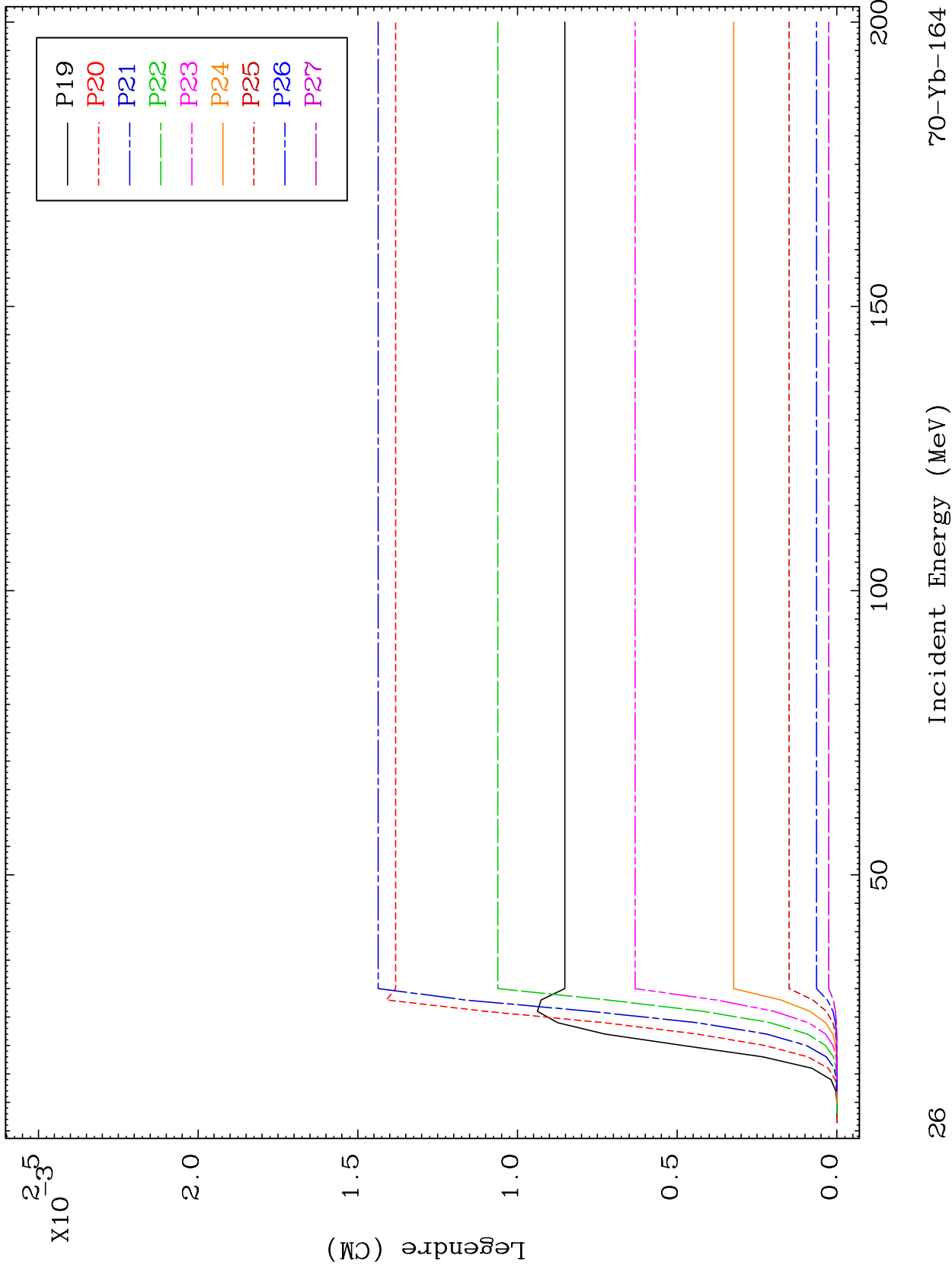




MAT 7013

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

70-Yb-164



26

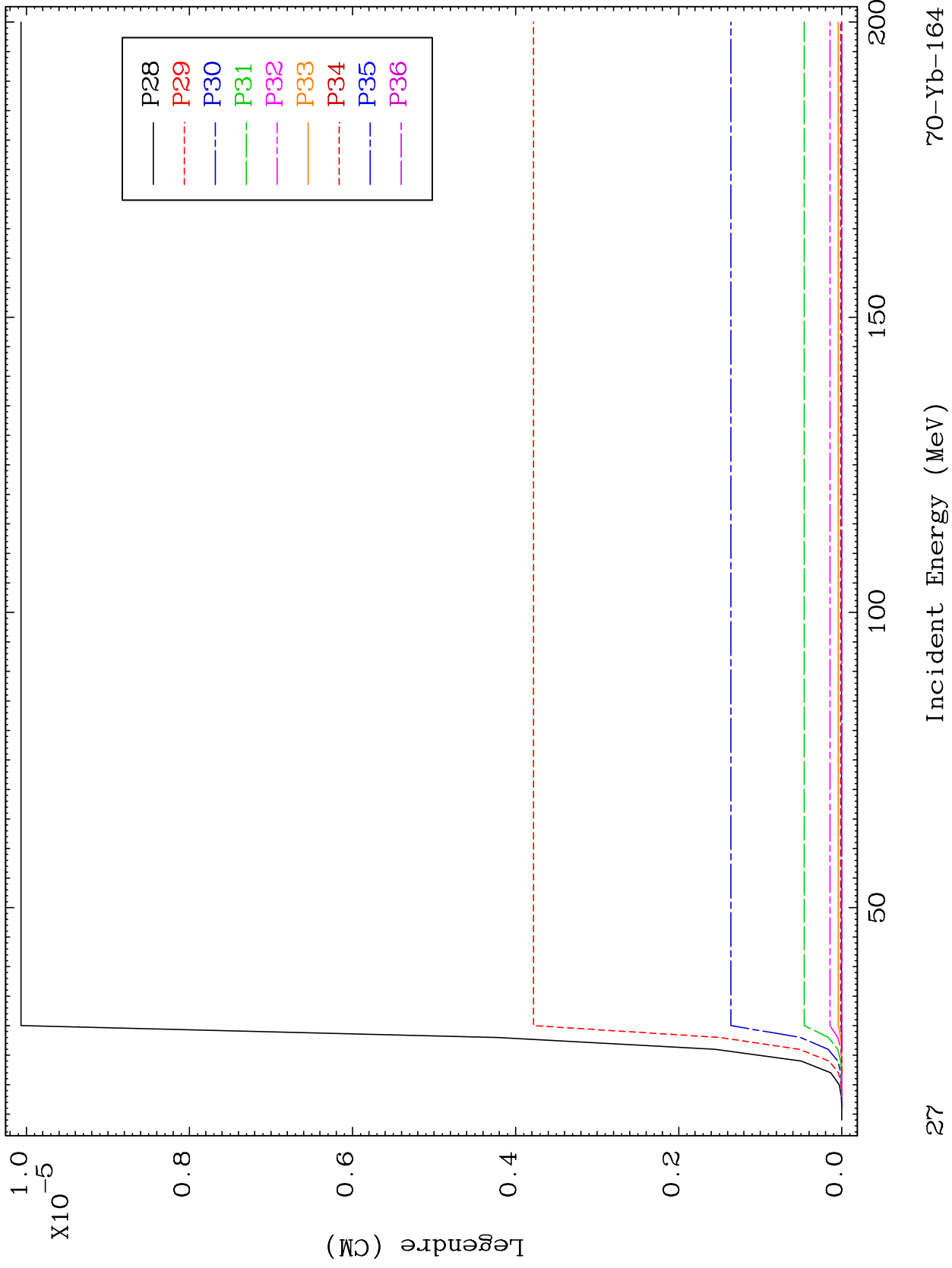
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



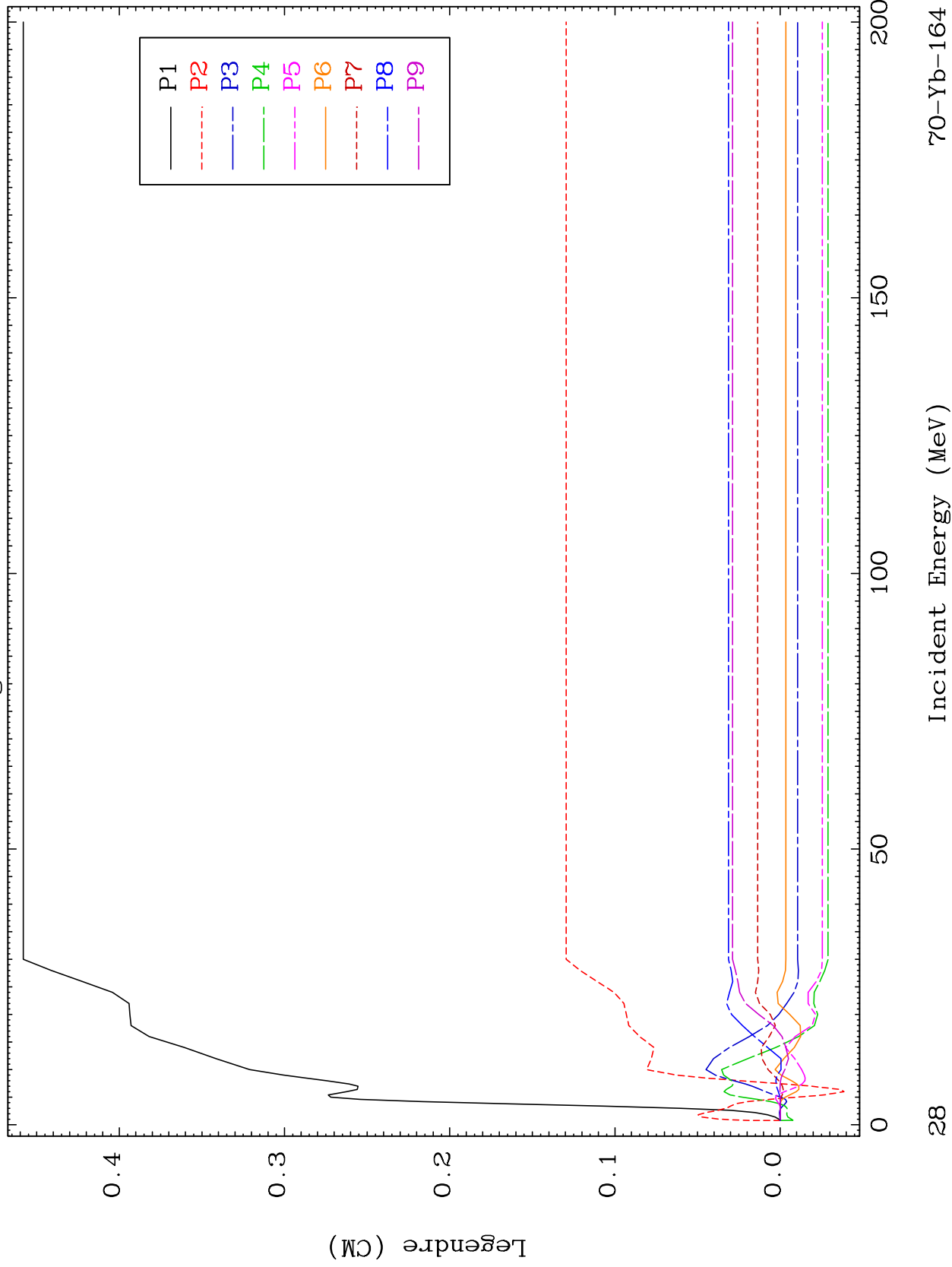
27

MAT 7013

MT= 53 (n,n') Level

70-Yb-164

Legendre Coefficients

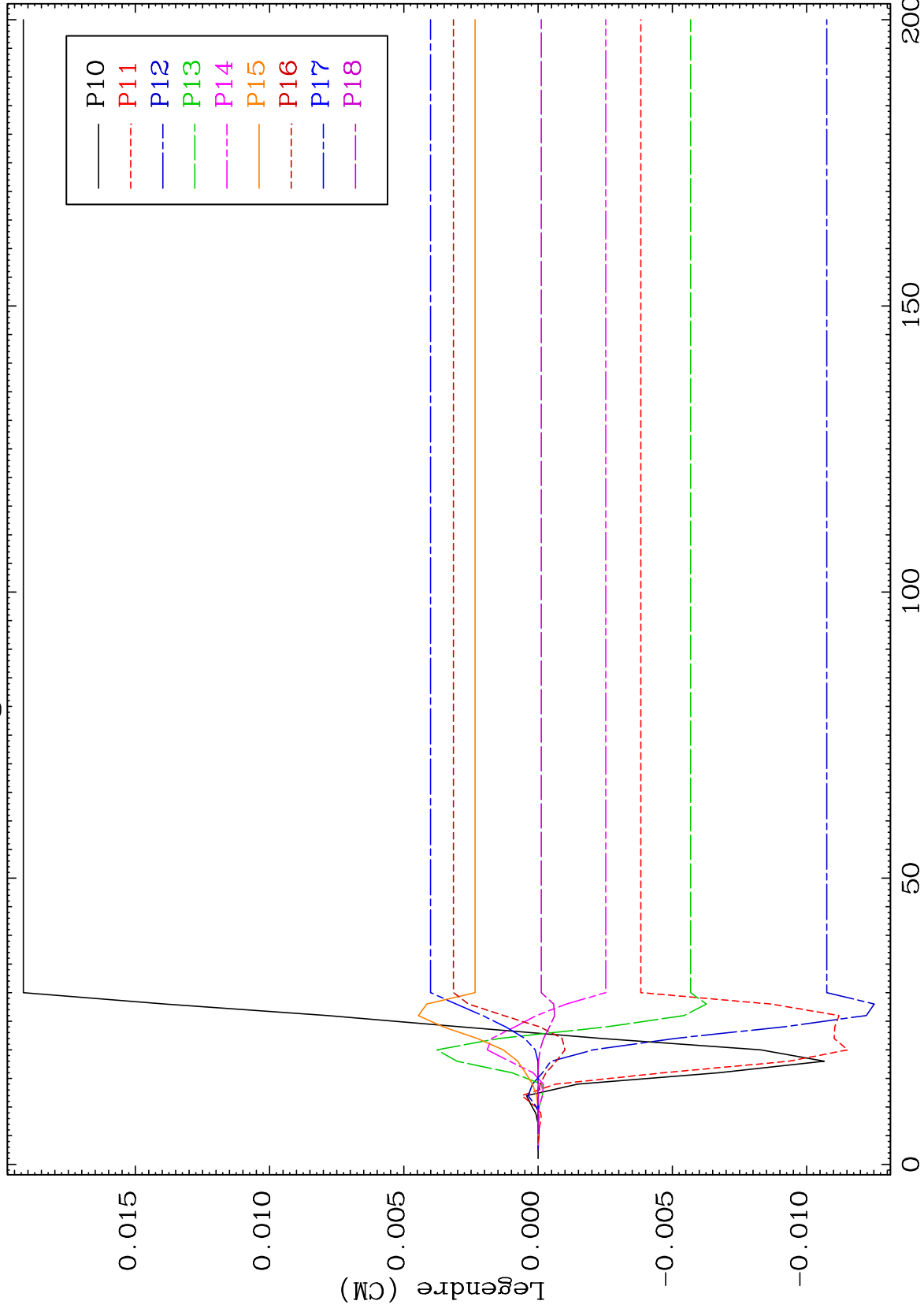


28

MAT 7013

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

70-Yb-164



29

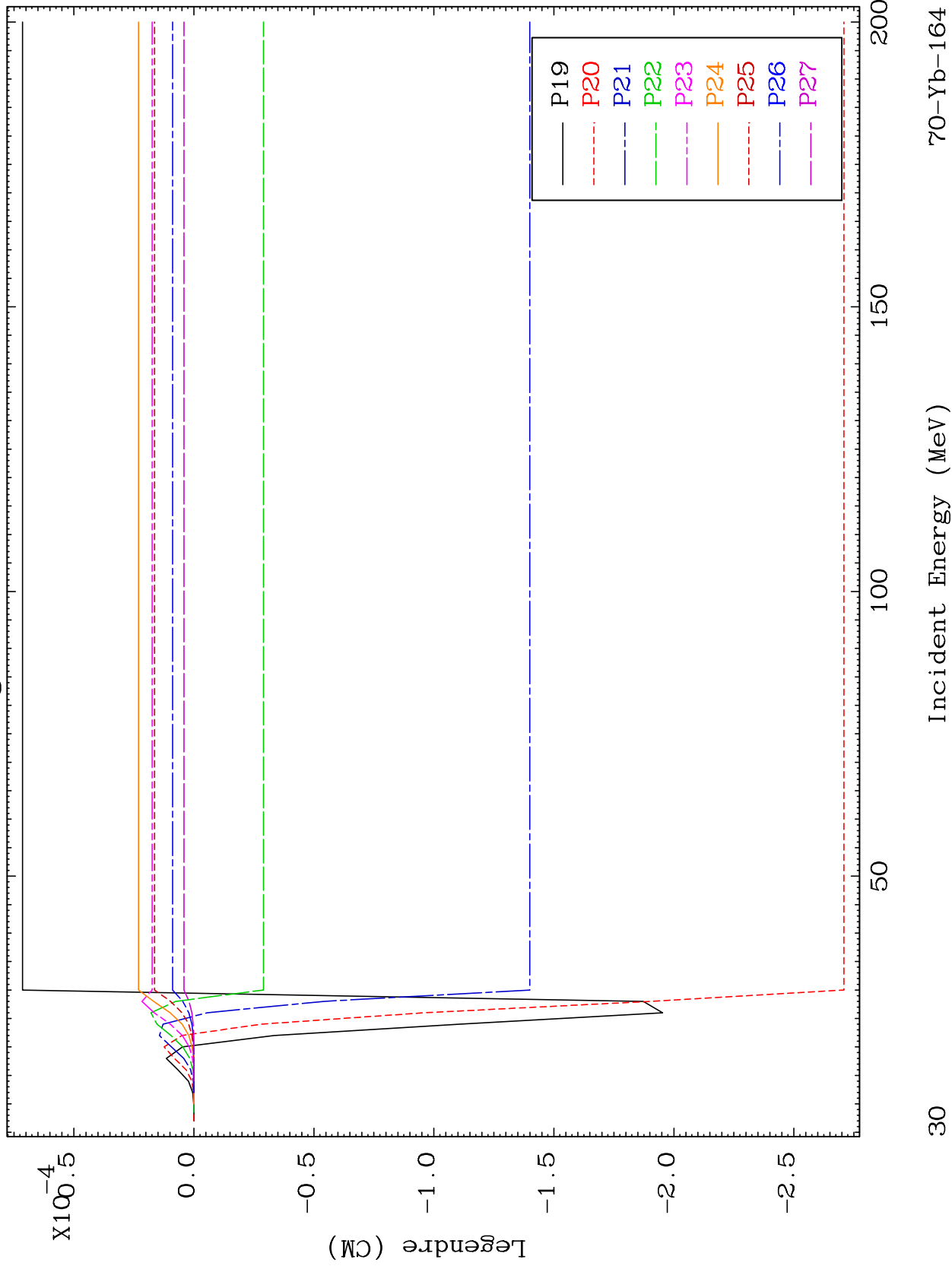
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



30

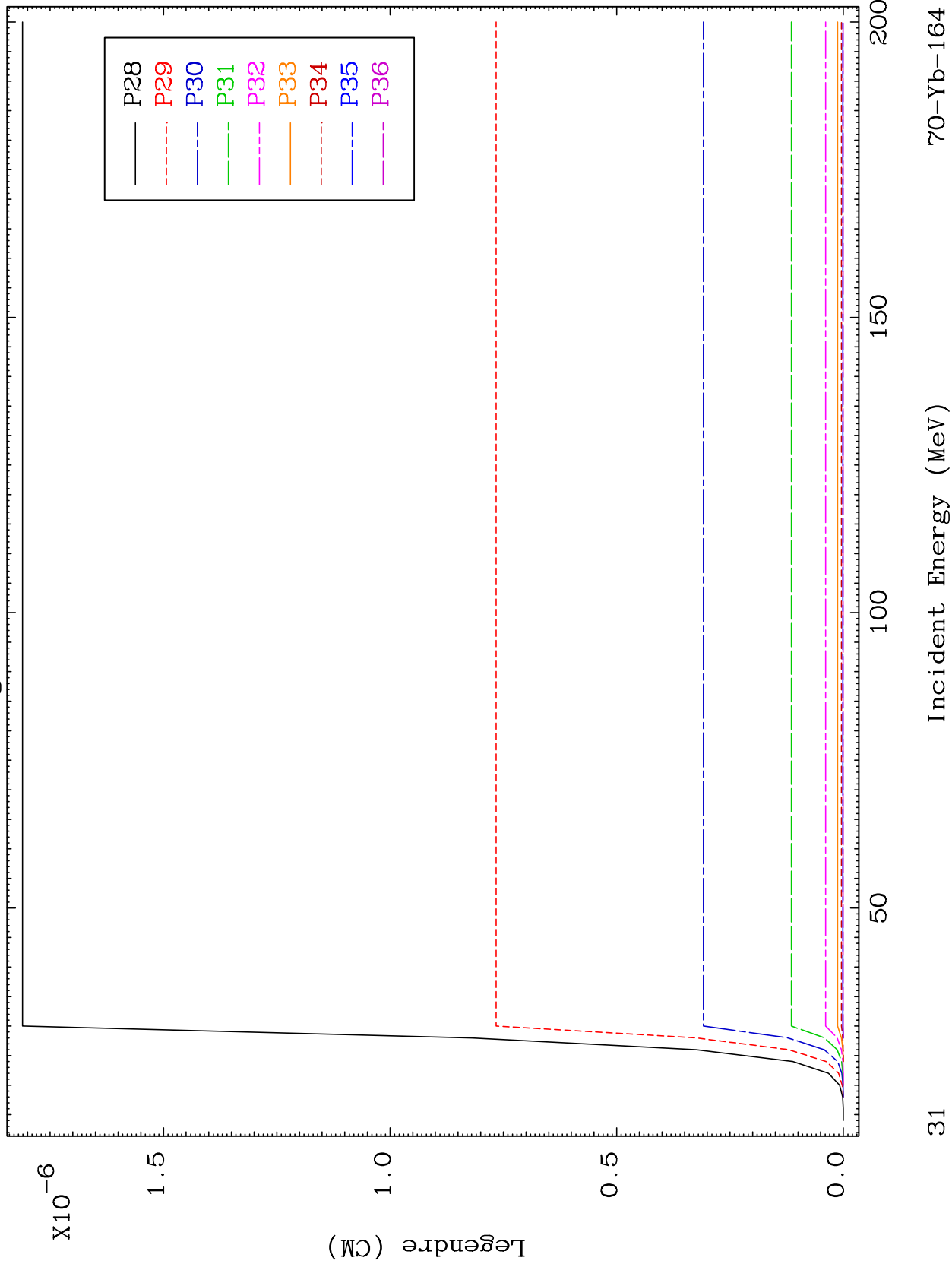
Incident Energy (MeV)

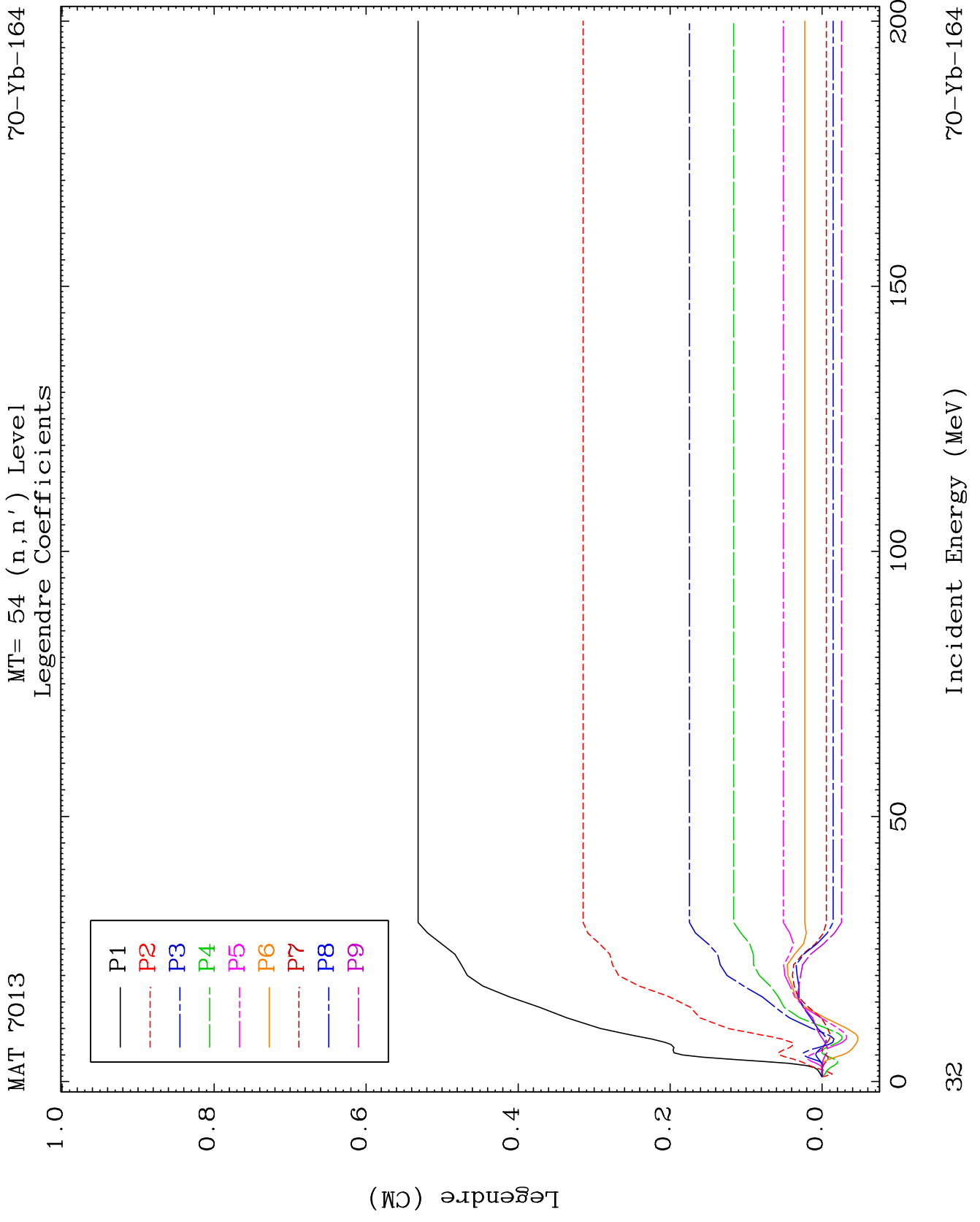
70-Yb-164

MAT 7013

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

70-Yb-164

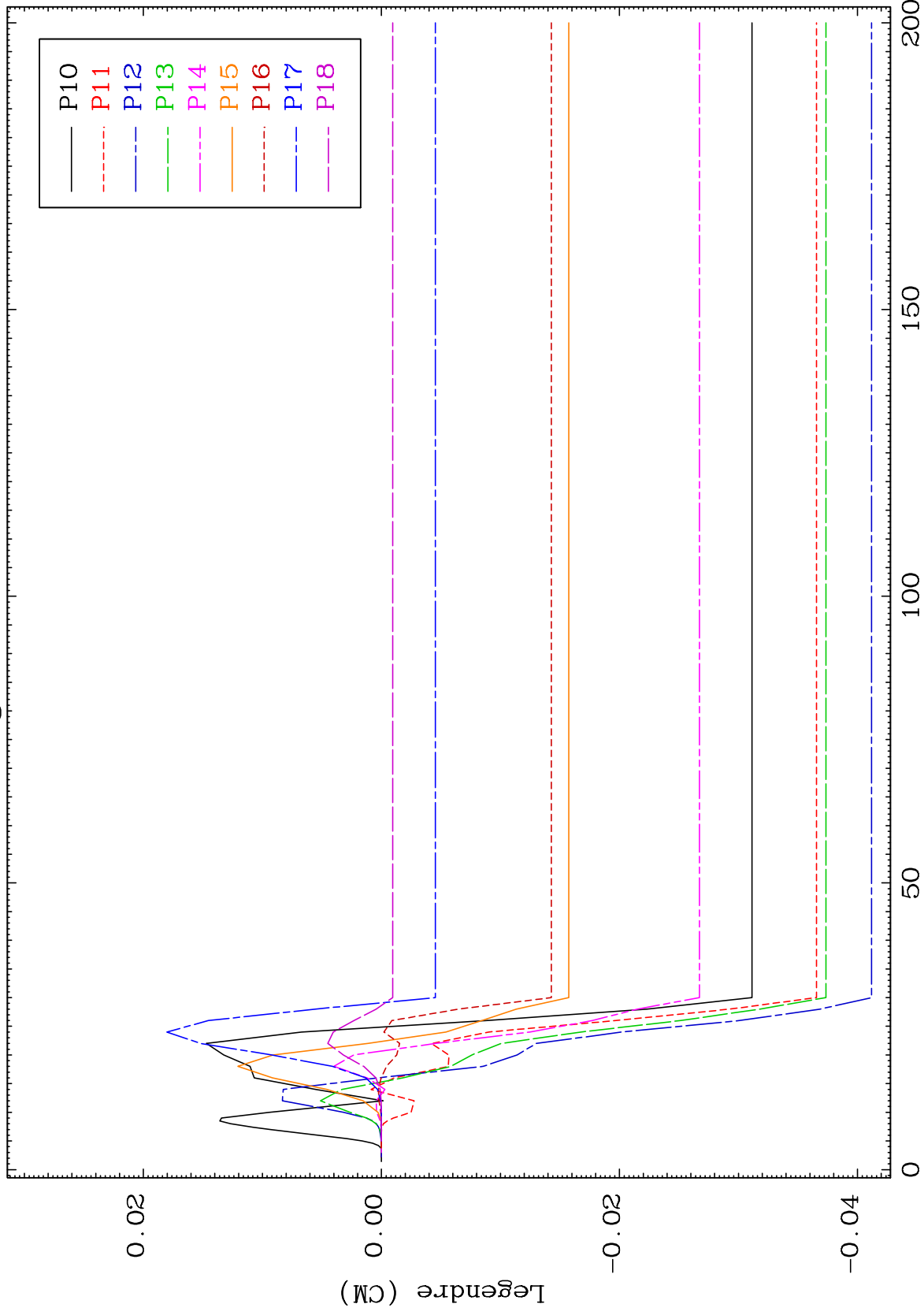




MAT 7013

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

70-Yb-164



33

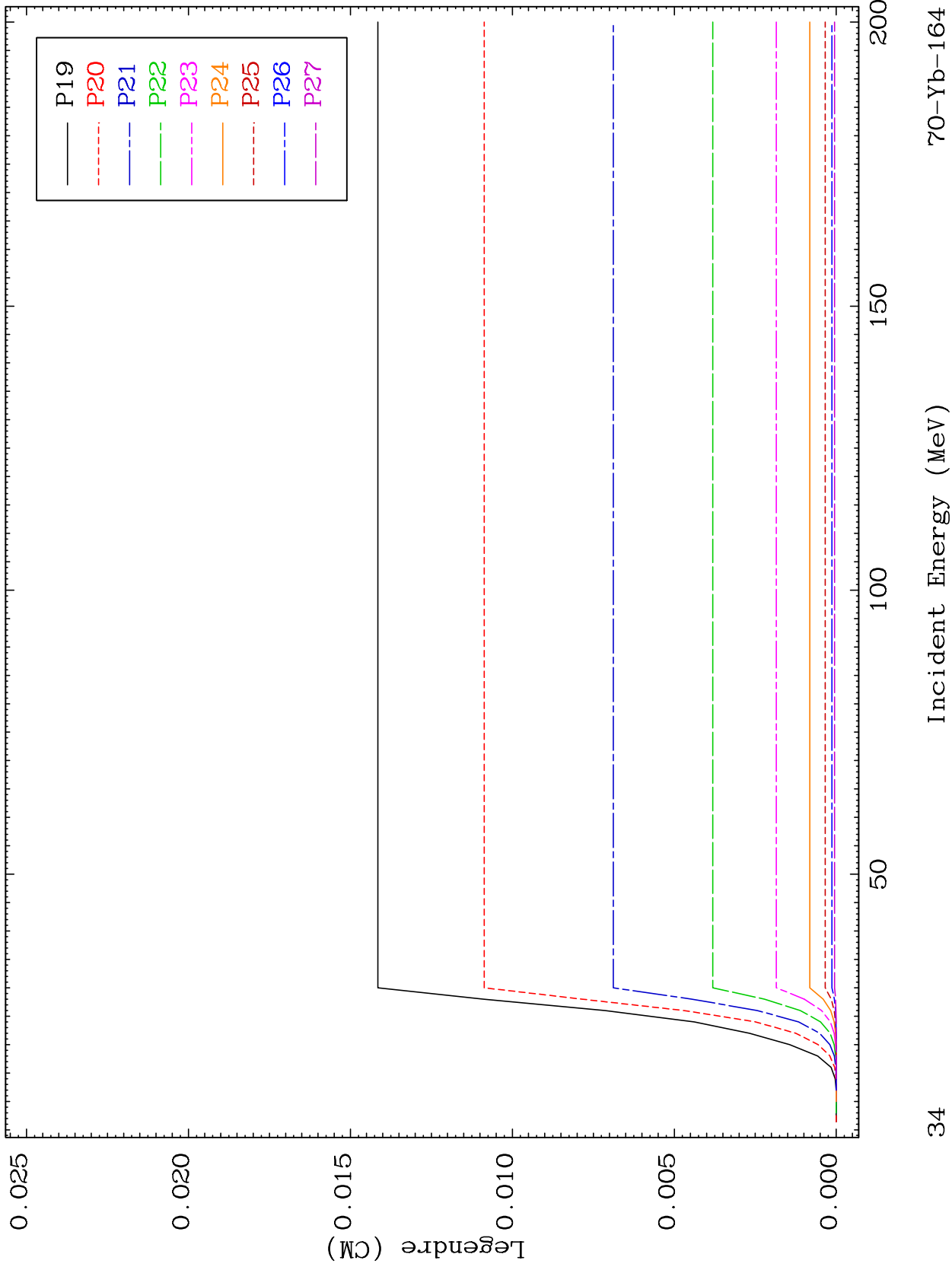
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

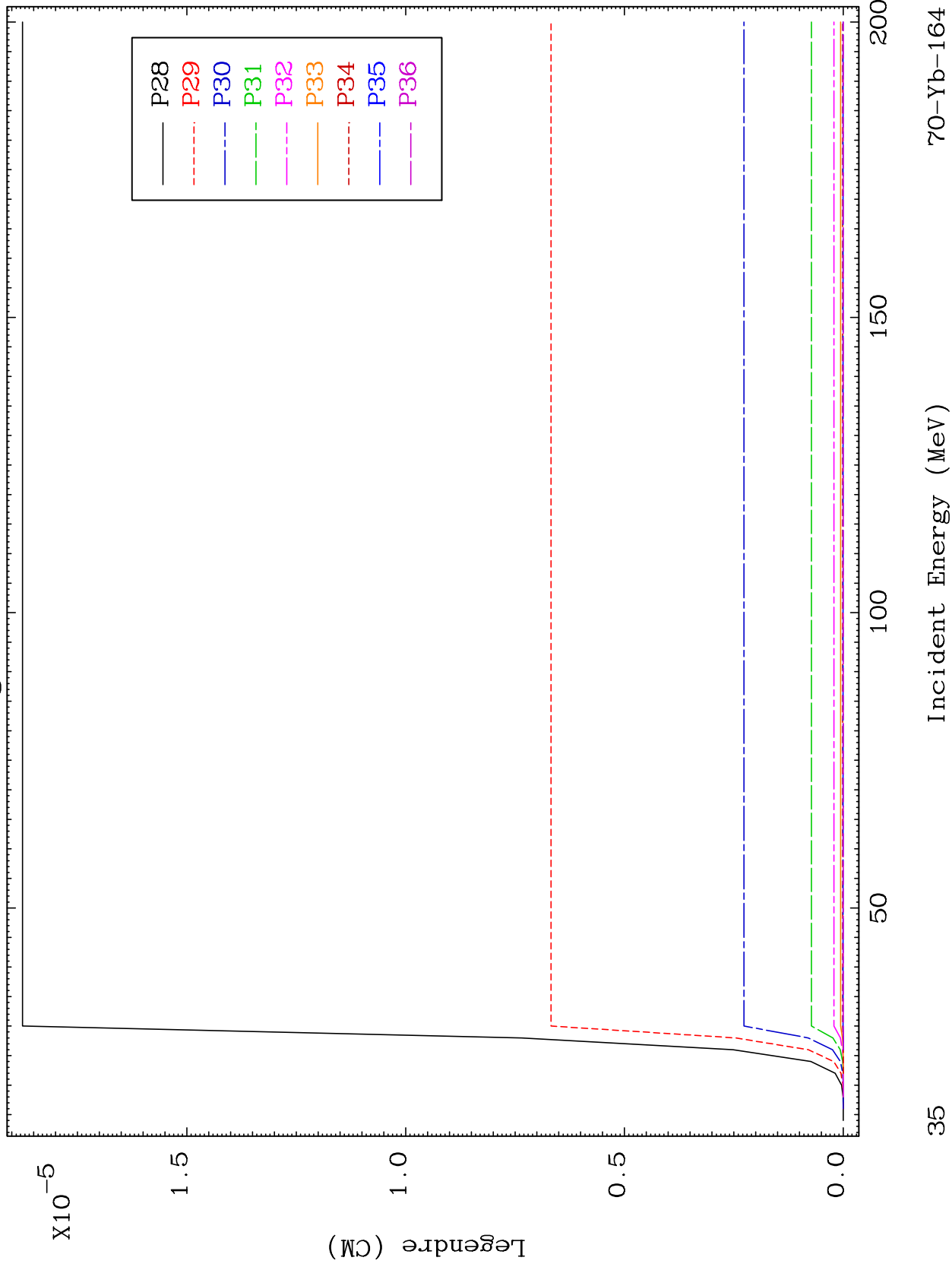


34

MAT 7013

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

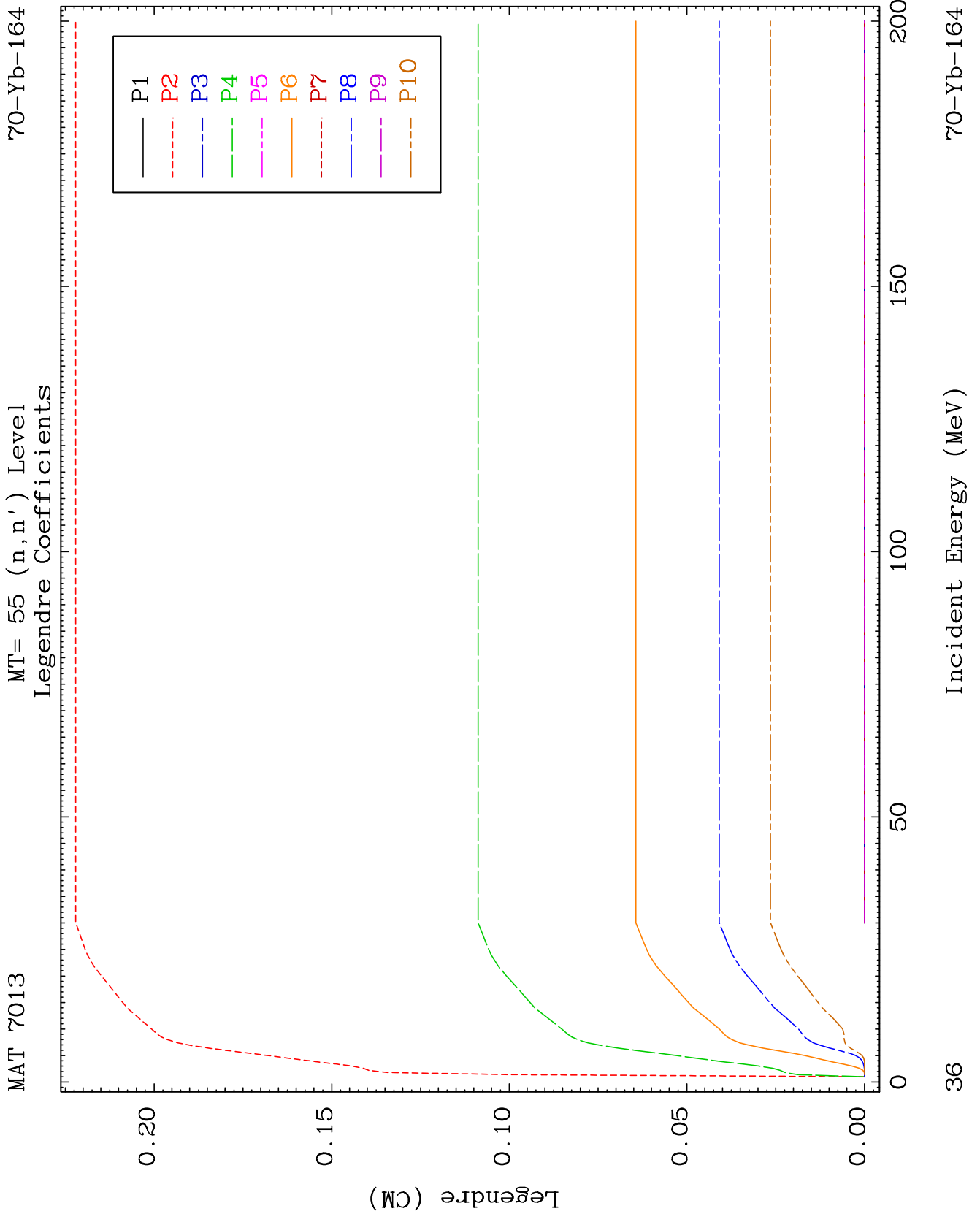
70-Yb-164



35

Incident Energy (MeV)

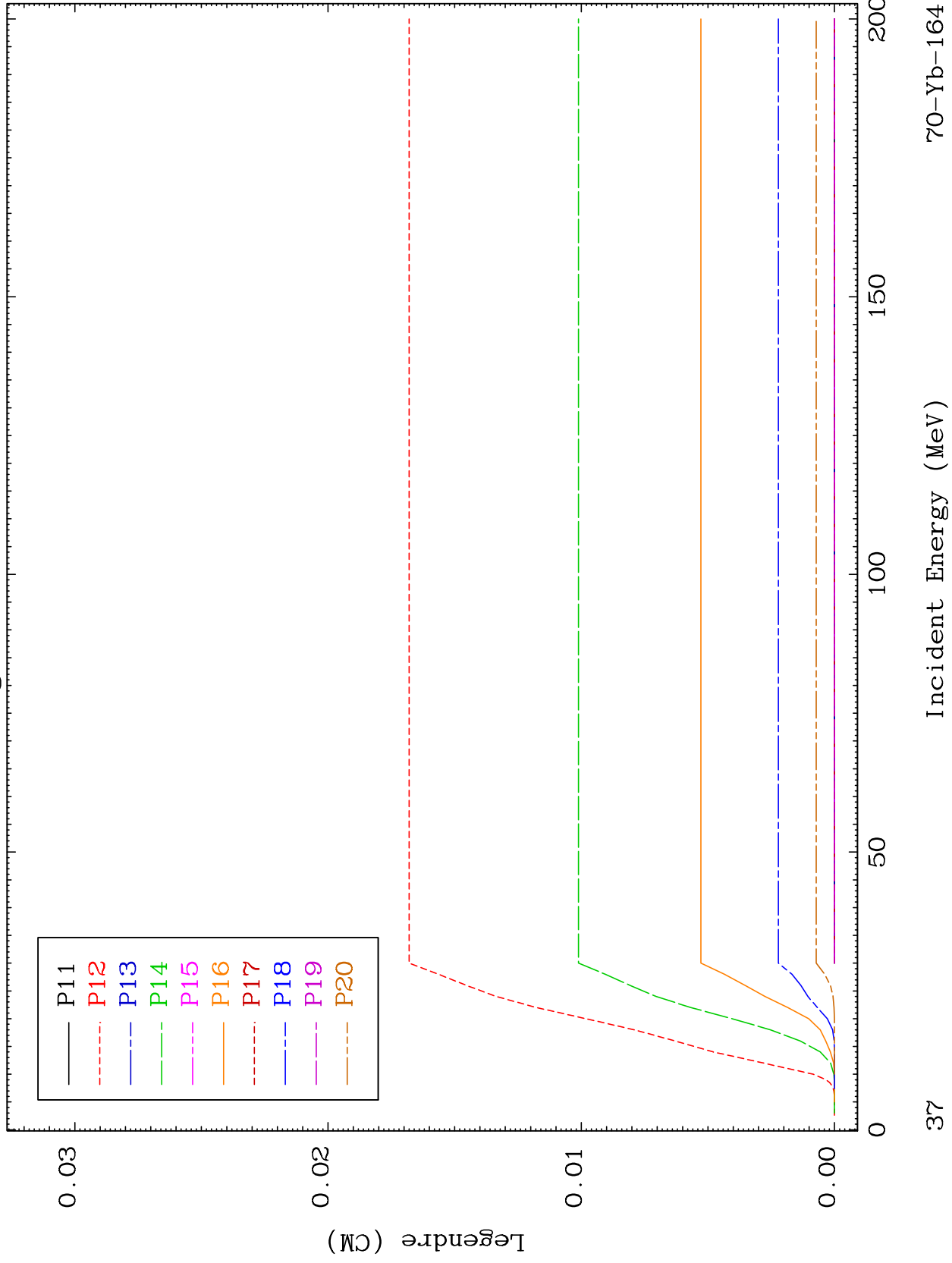
70-Yb-164



MAT 7013

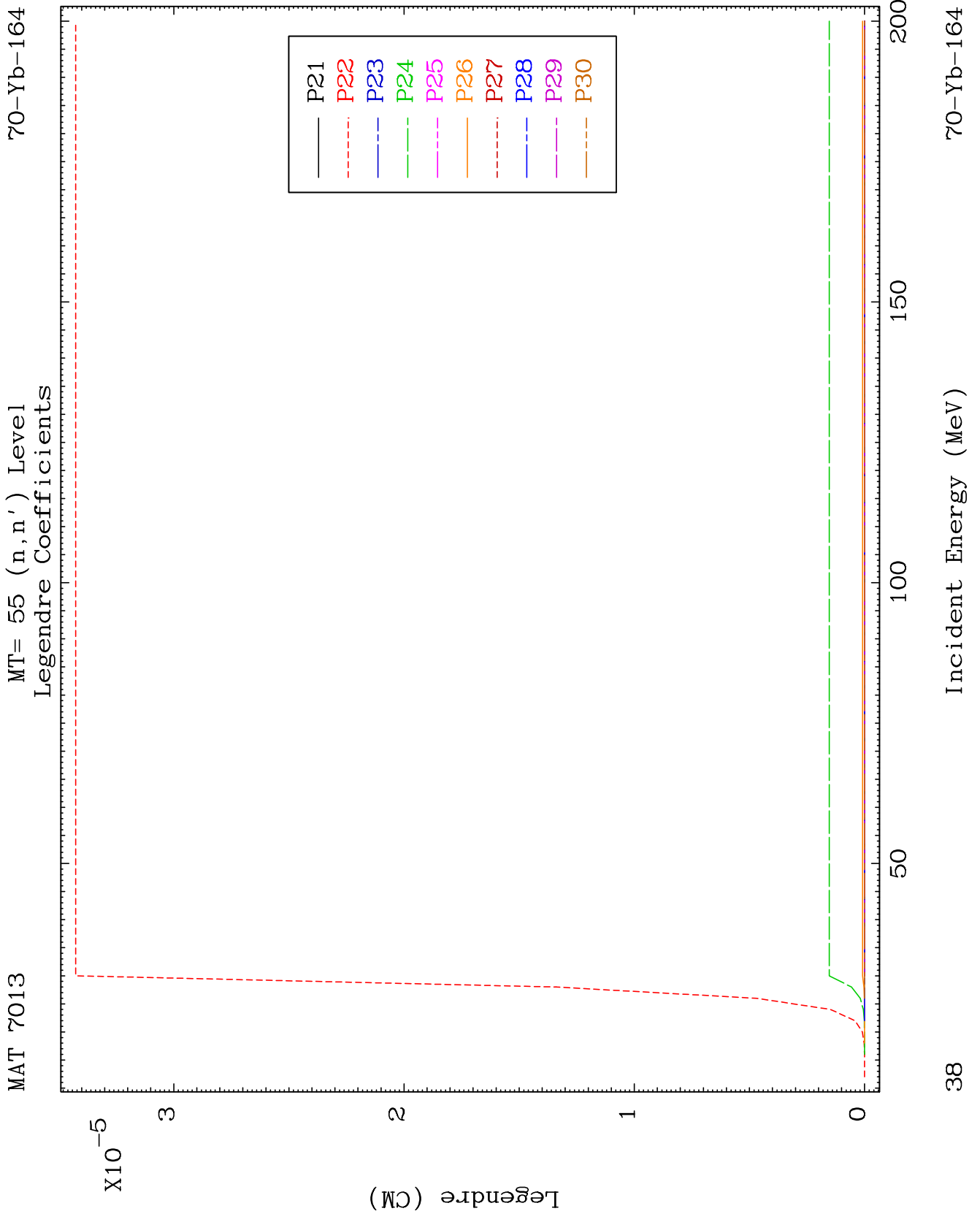
MT= 55 (n,n') Level
Legendre Coefficients

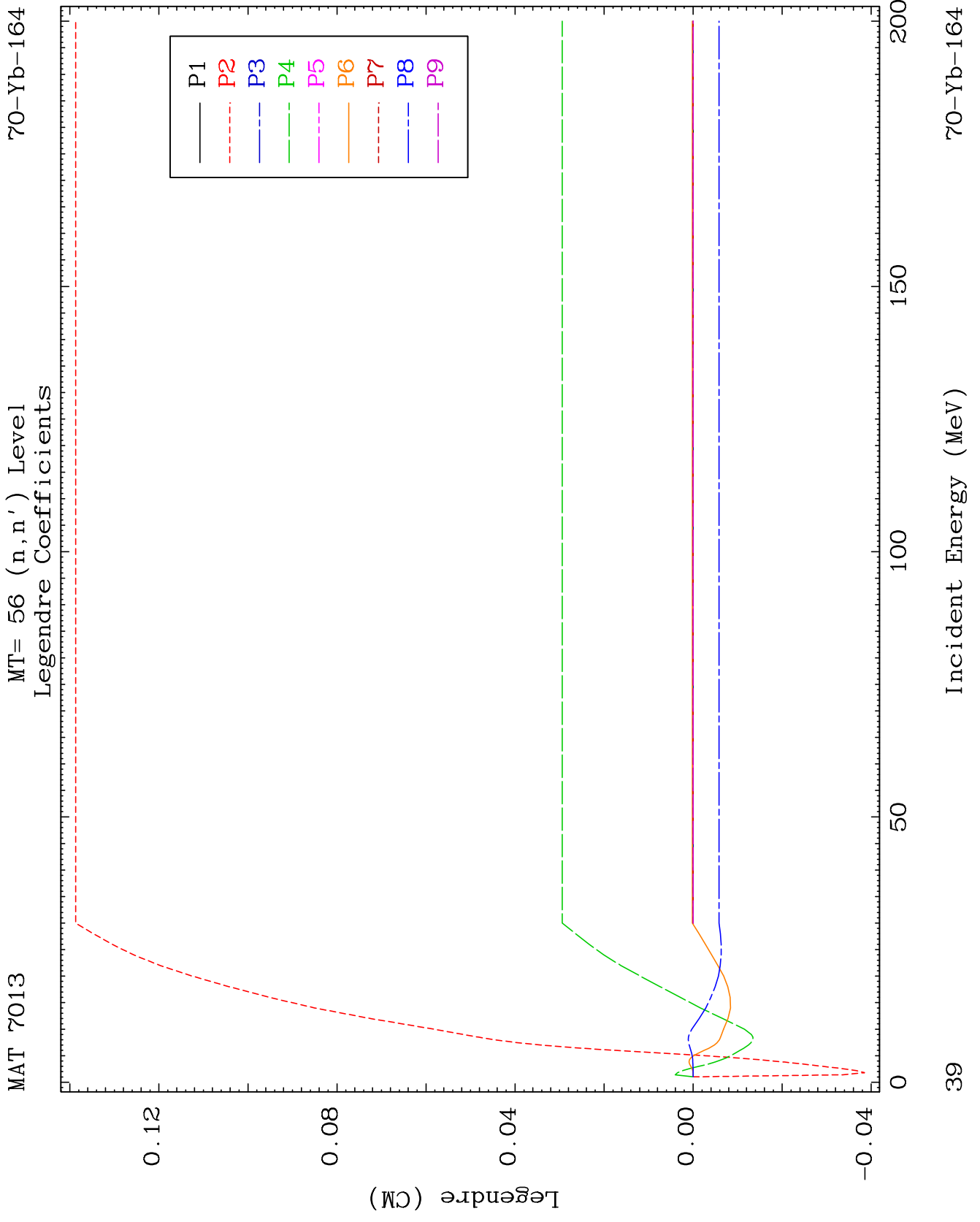
70-Yb-164



37

70-Yb-164

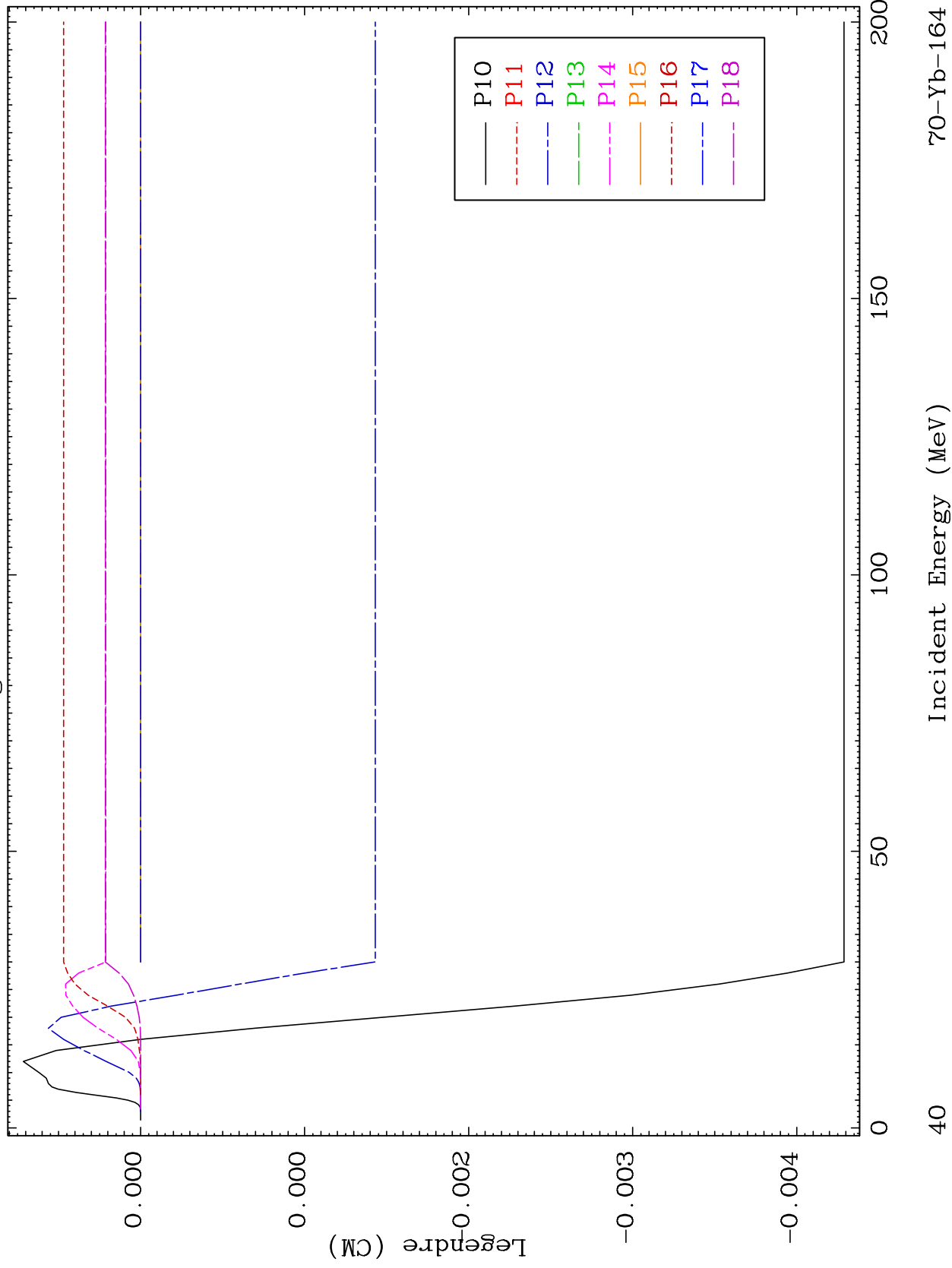


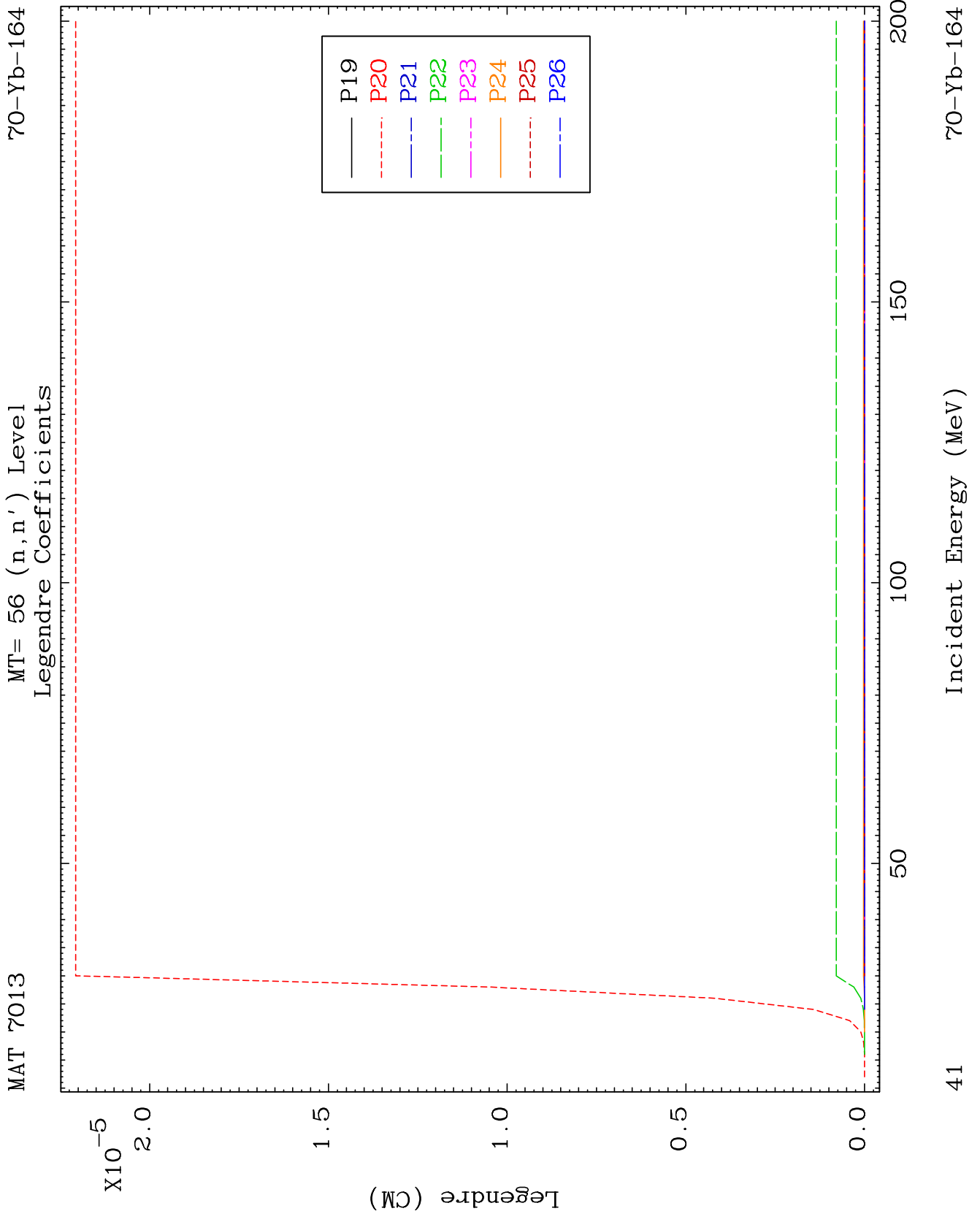


MAT 7013

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

70-Yb-164

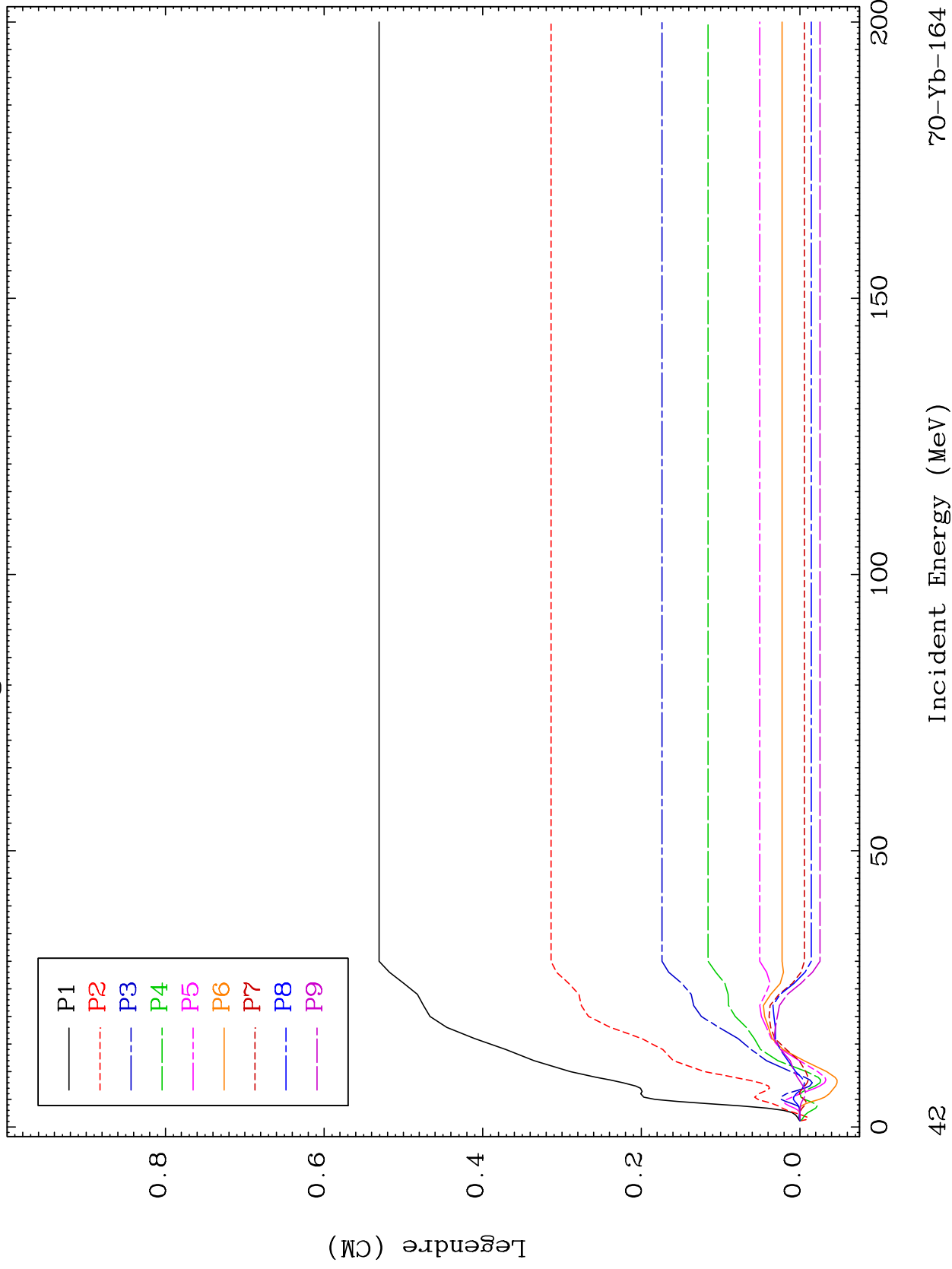




MAT 7013

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

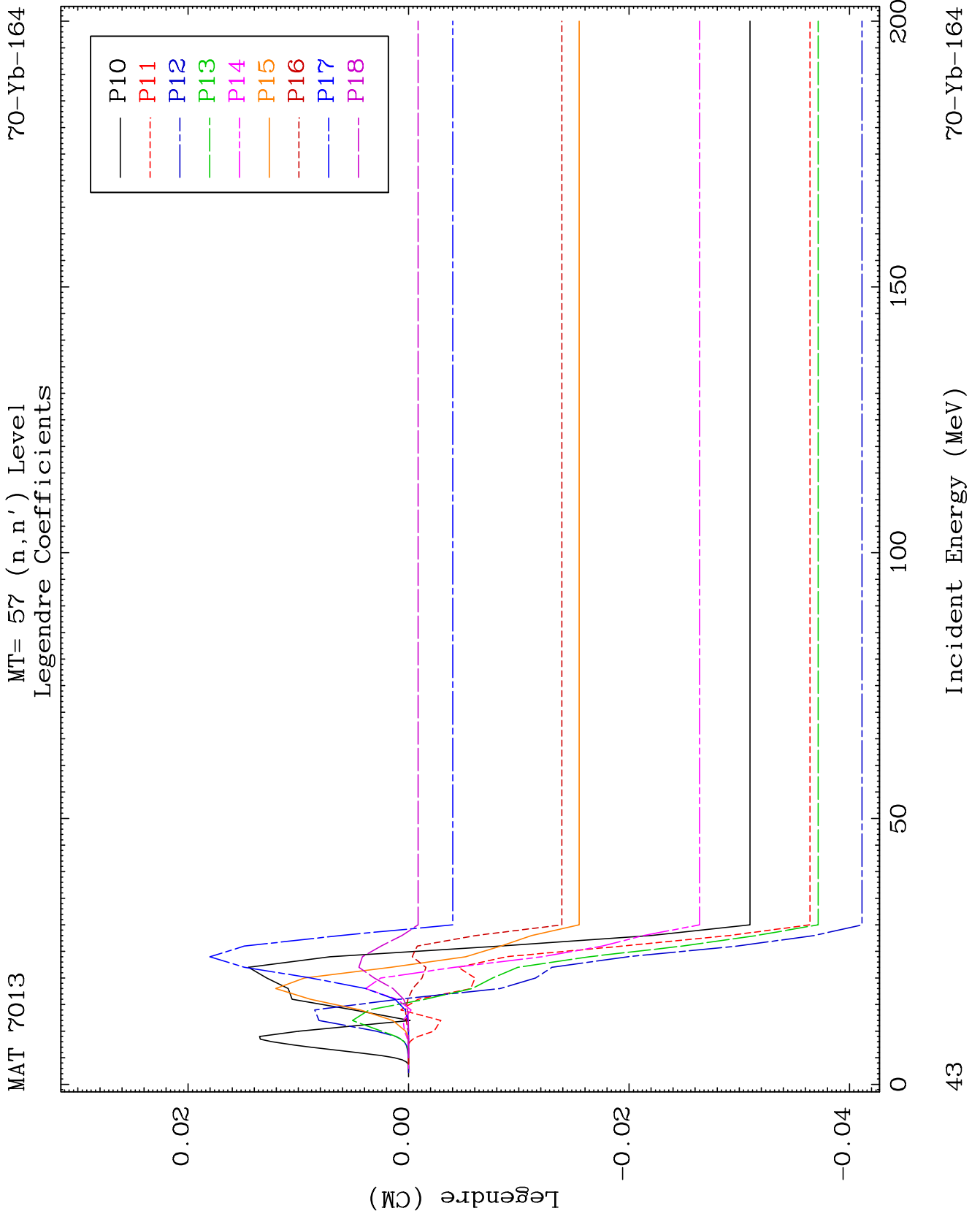
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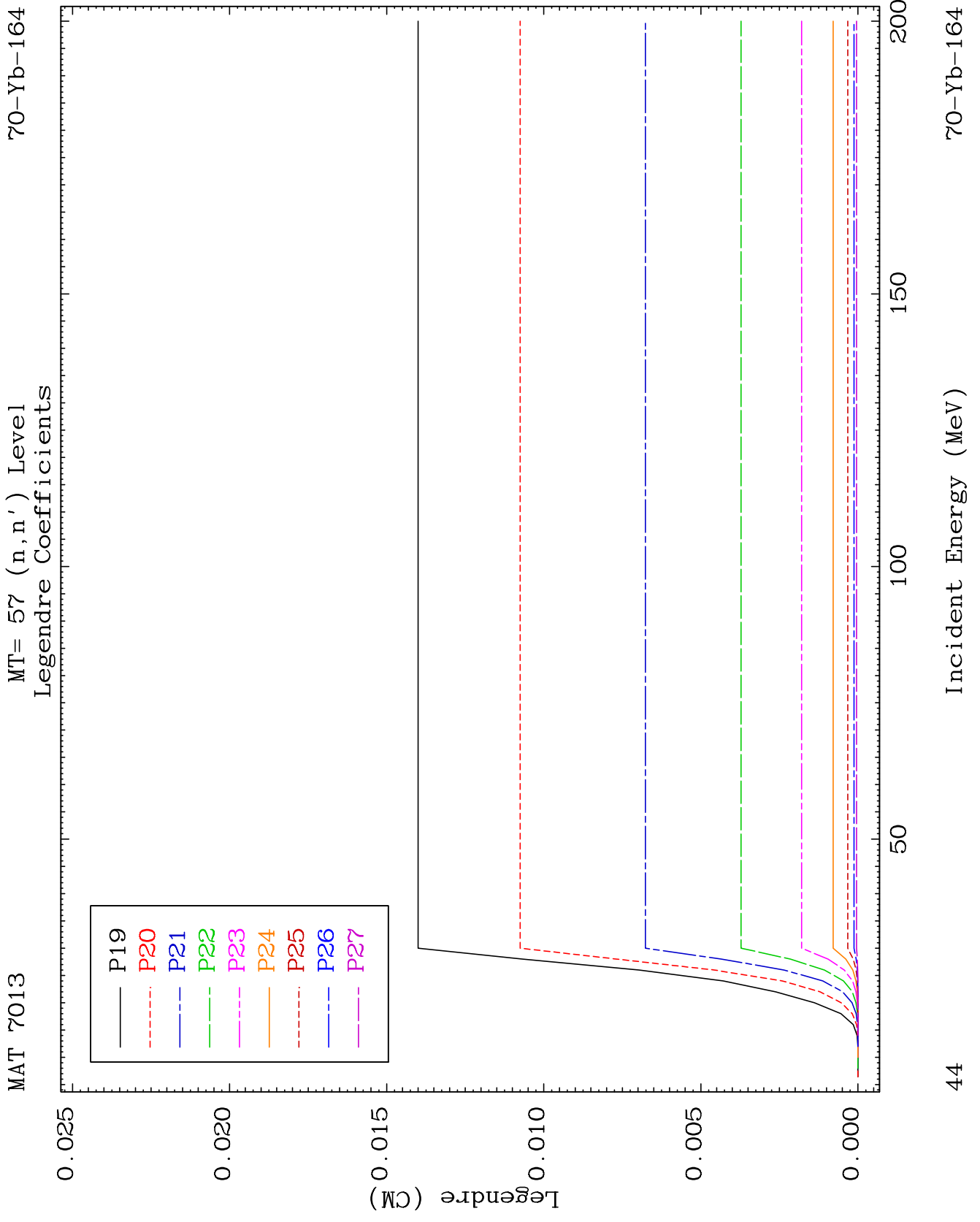


70-Yb-164

Incident Energy (MeV)

42

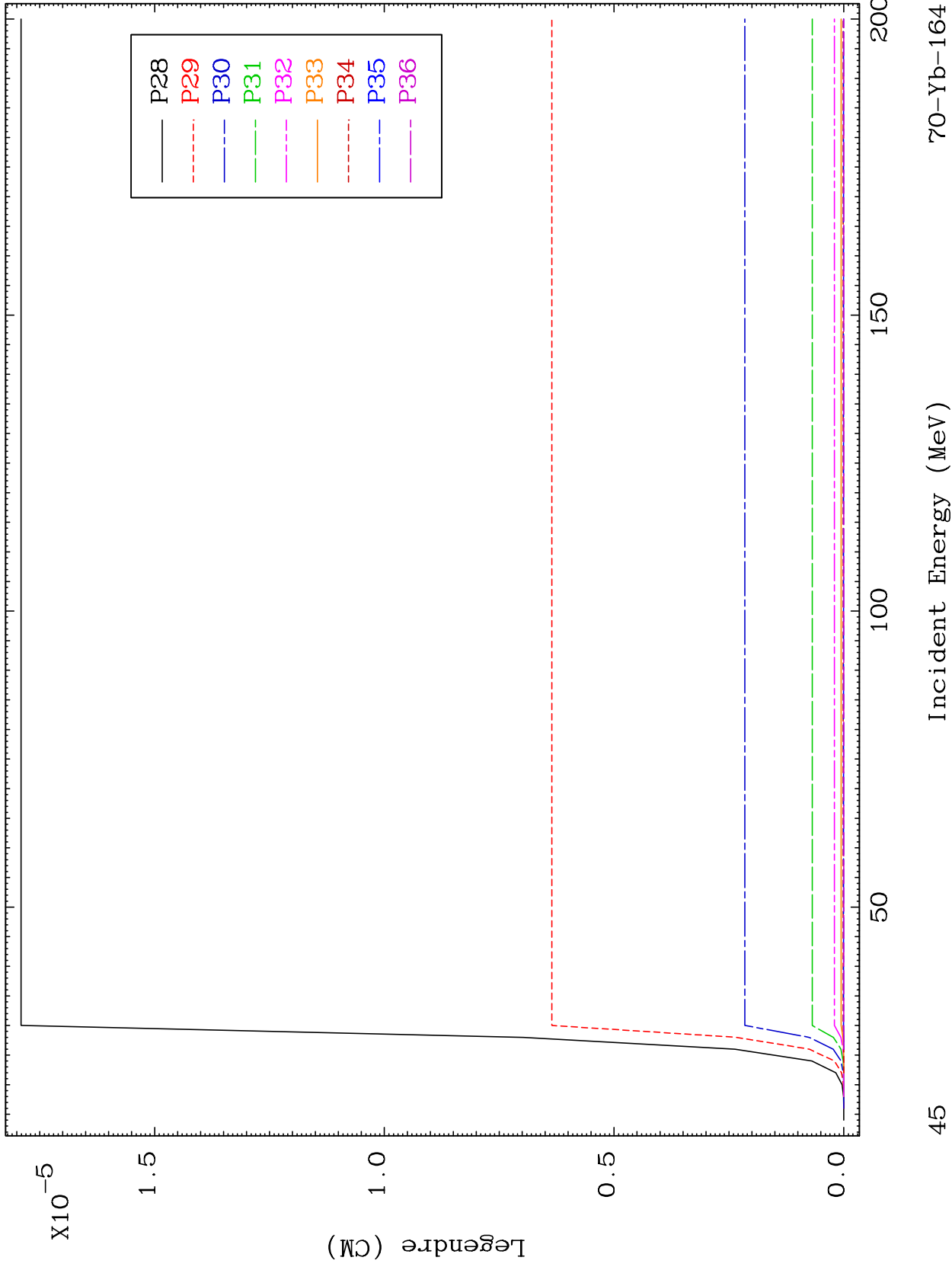




MAT 7013

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

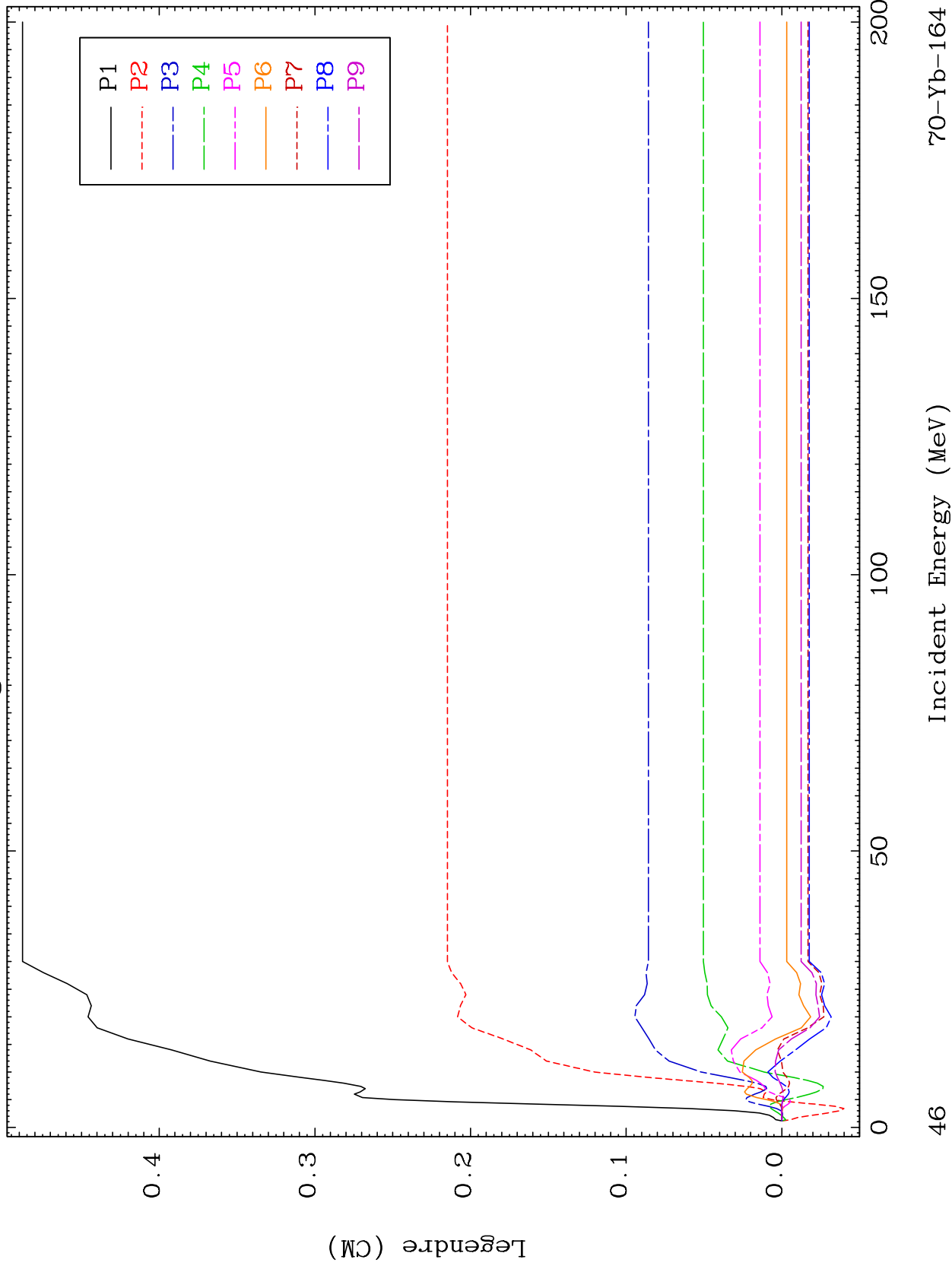
70-Yb-164



MAT 7013

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

70-Yb-164



70-Yb-164

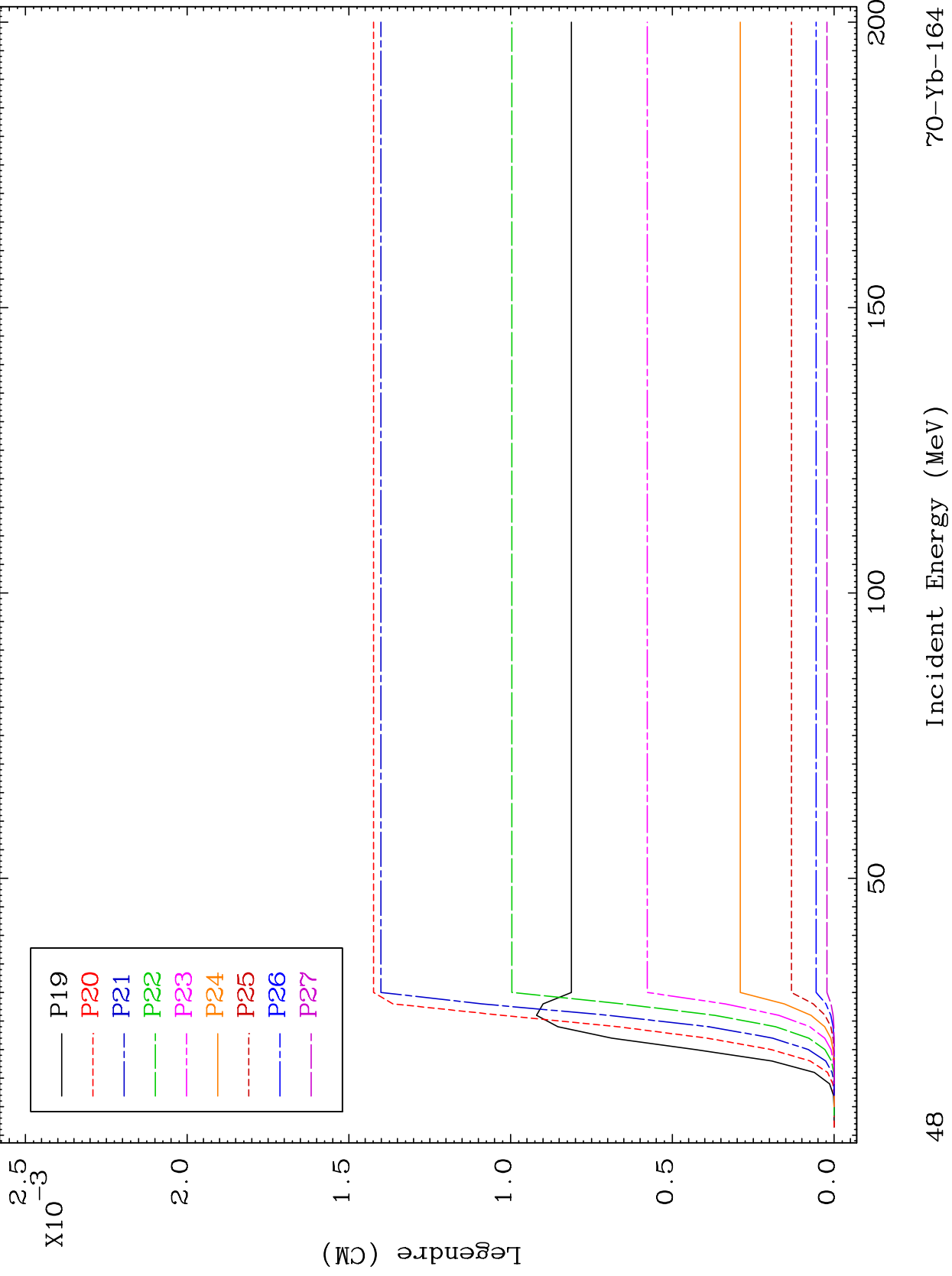
Incident Energy (MeV)

46

MAT 7013

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

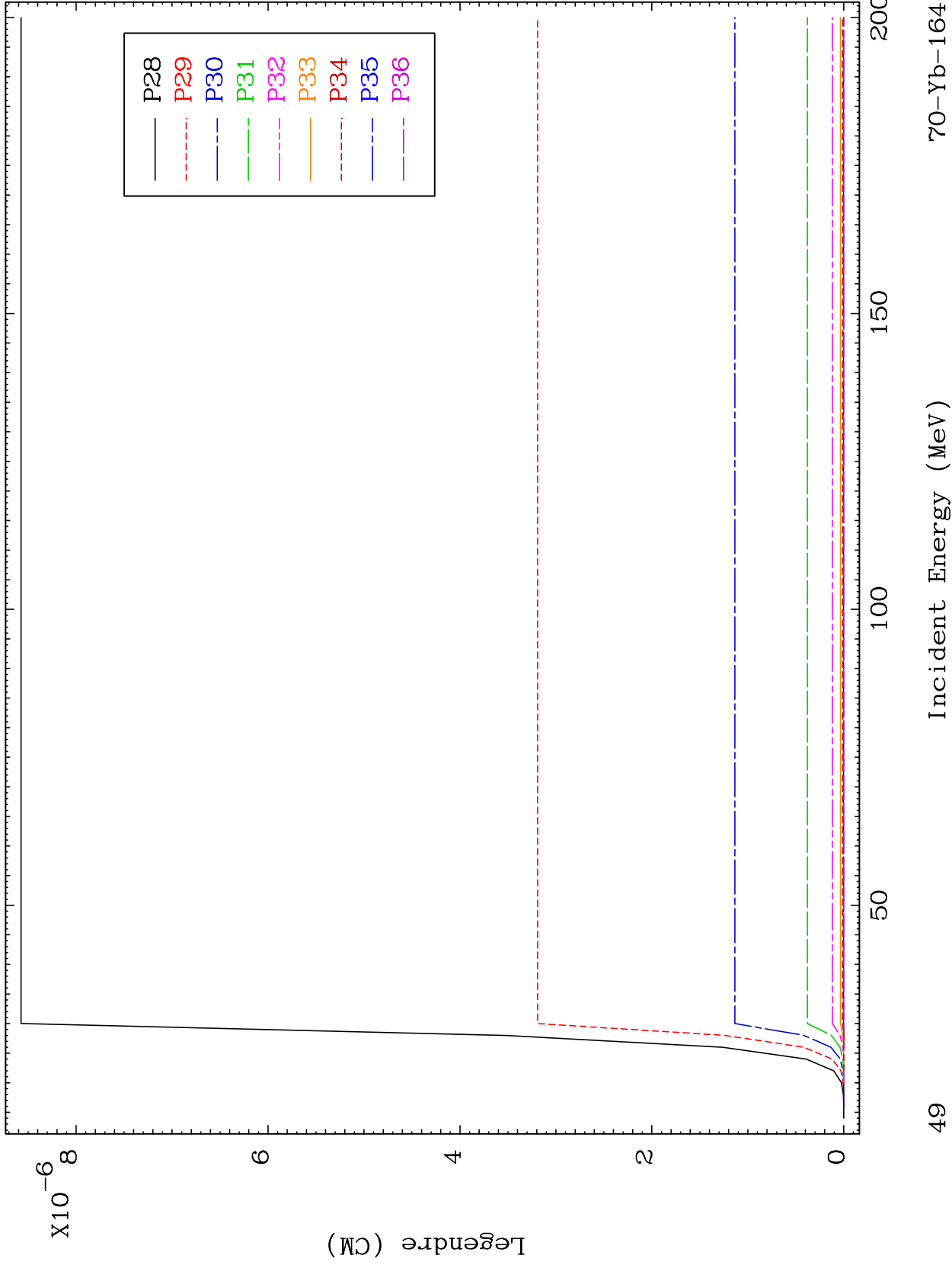
70-Yb-164



MAT 7013

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

70-Yb-164



49

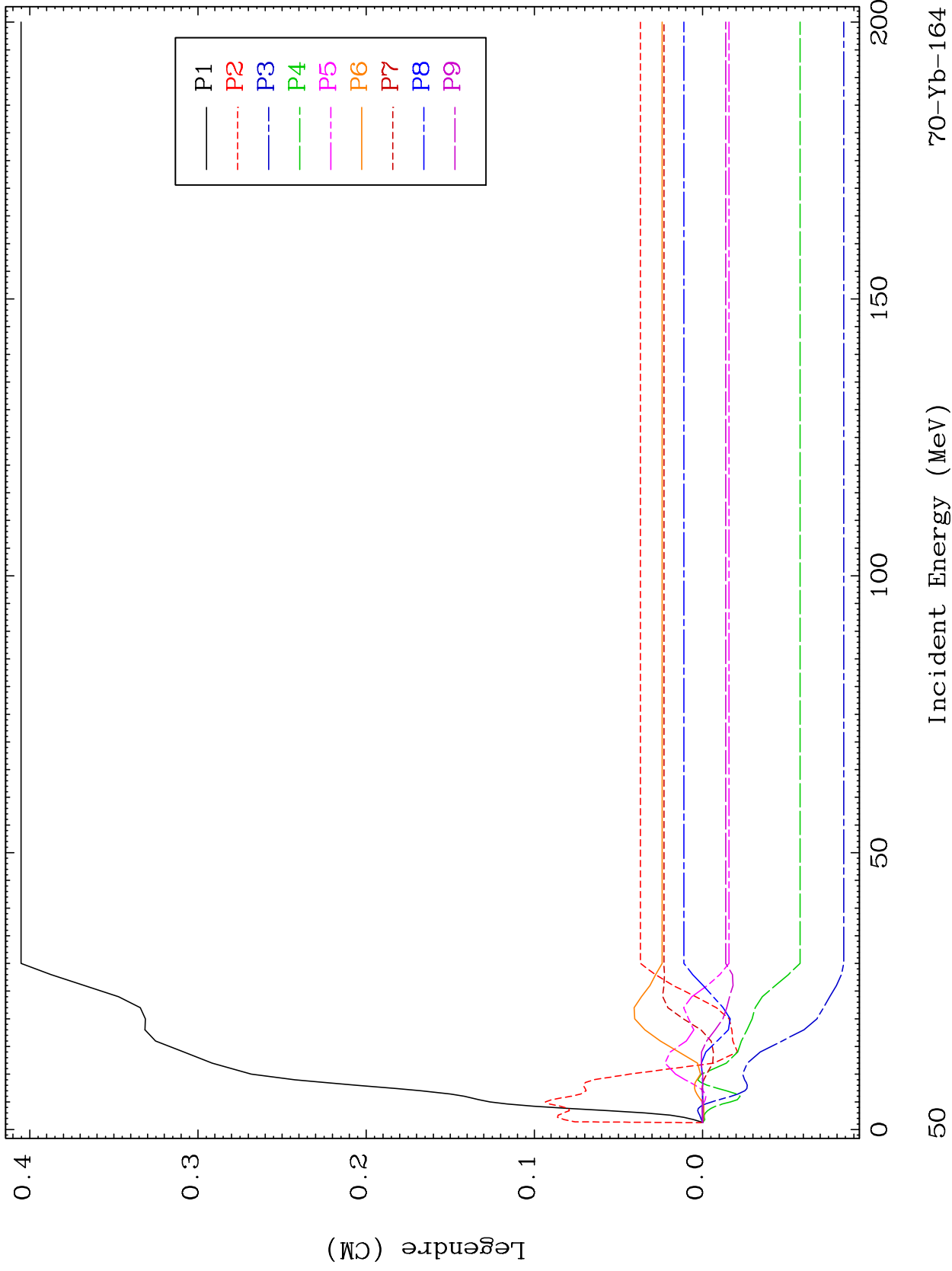
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

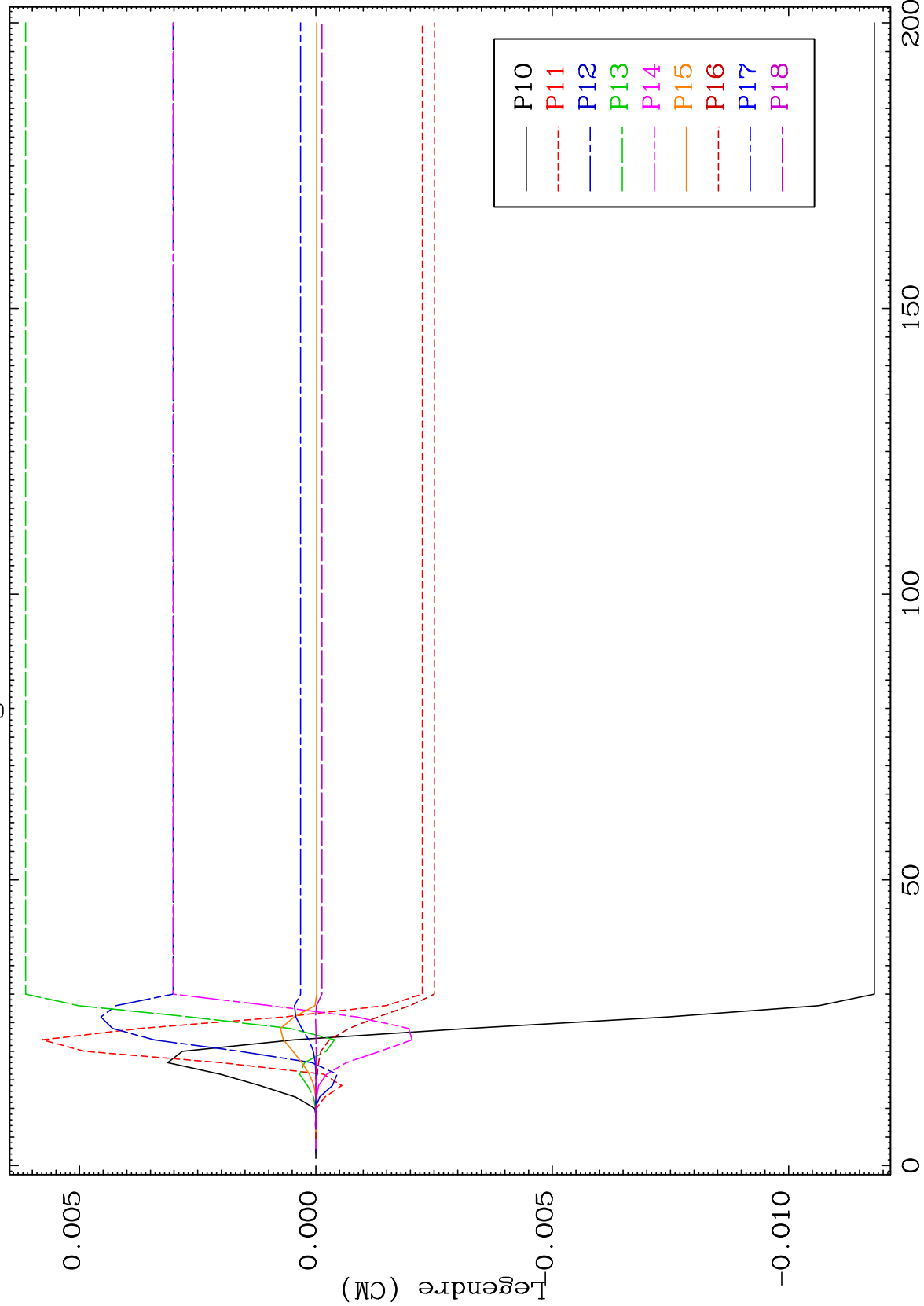
70-Yb-164



MAT 7013

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

70-Yb-164



51

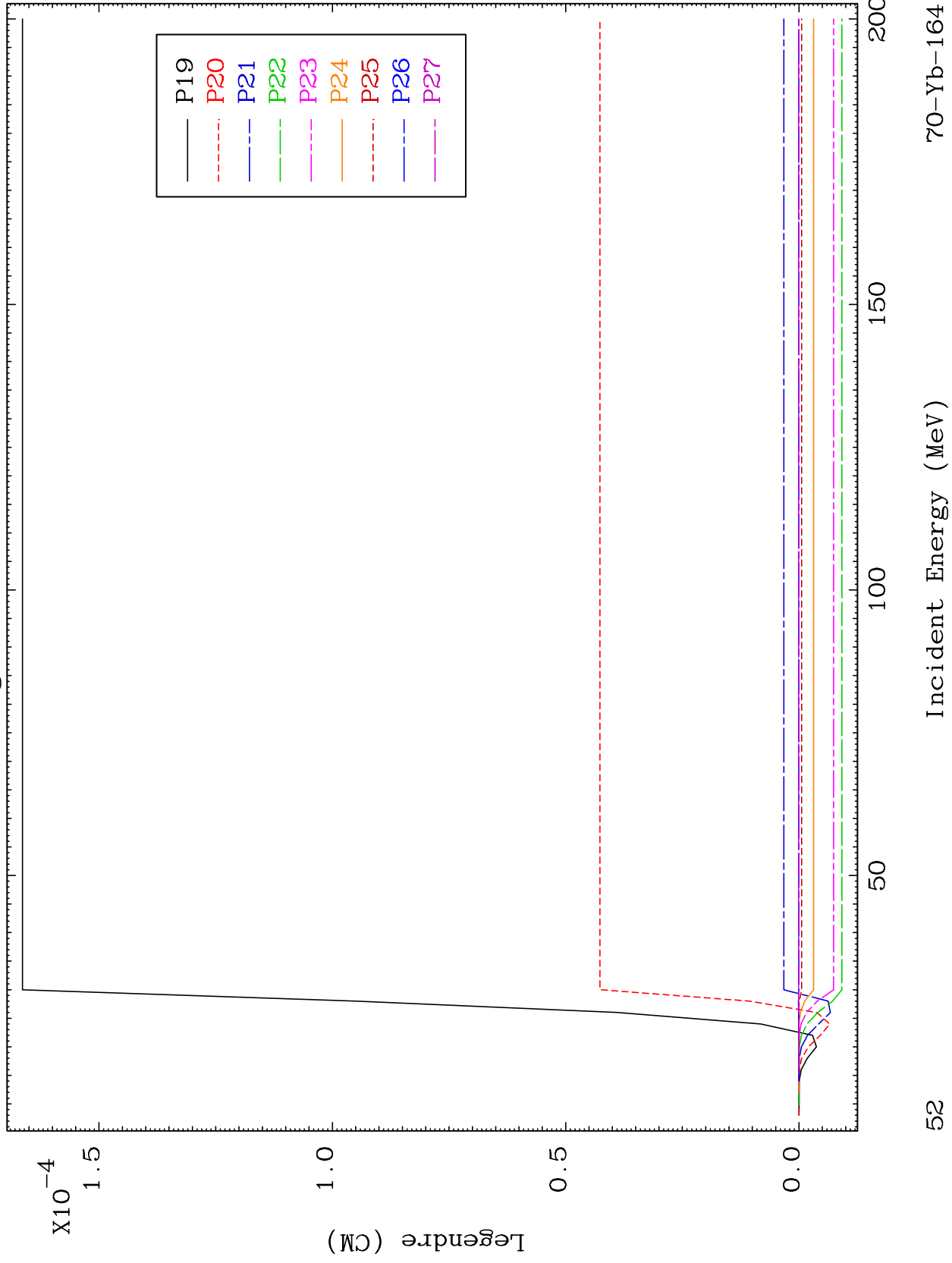
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



52

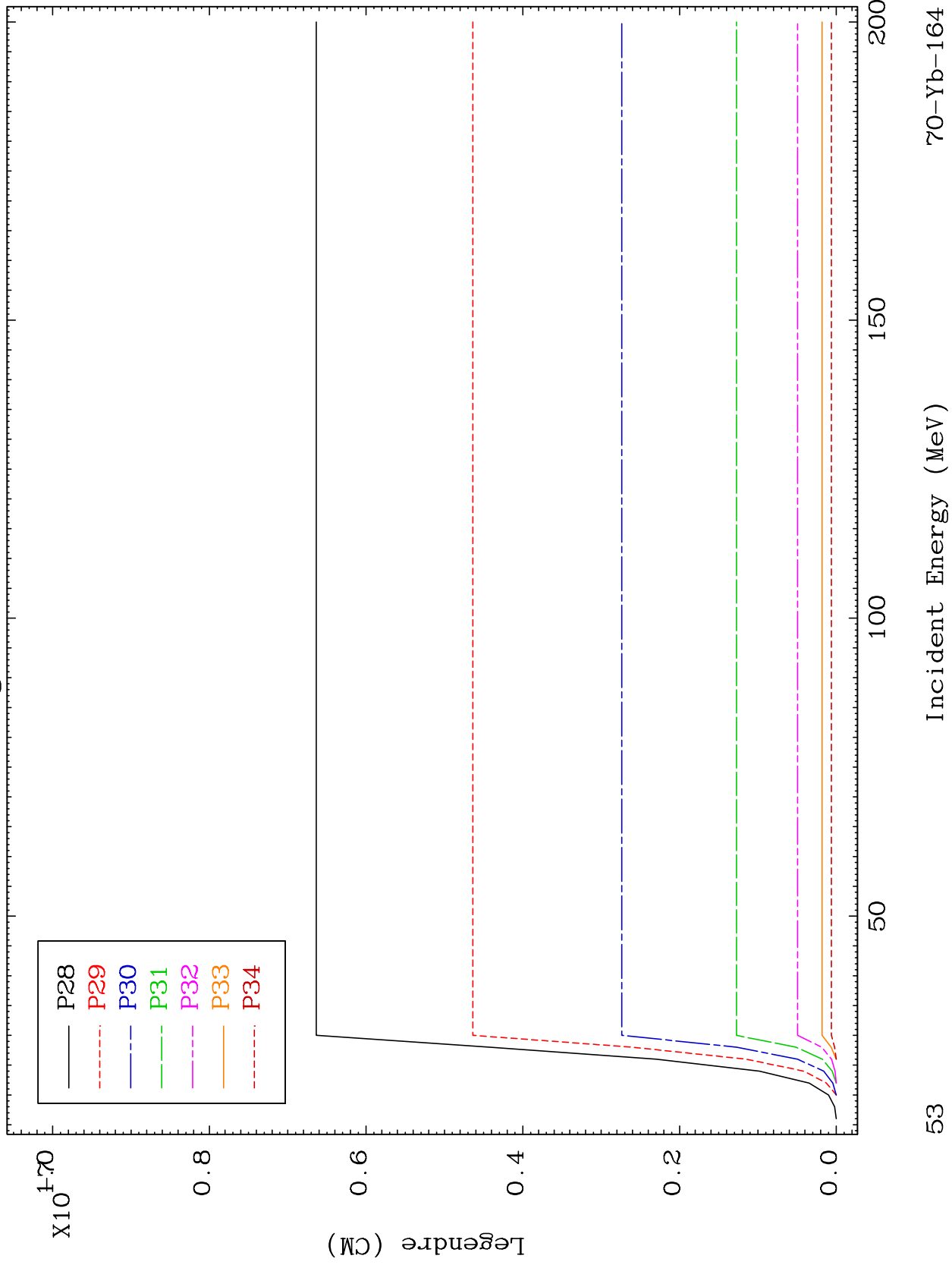
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

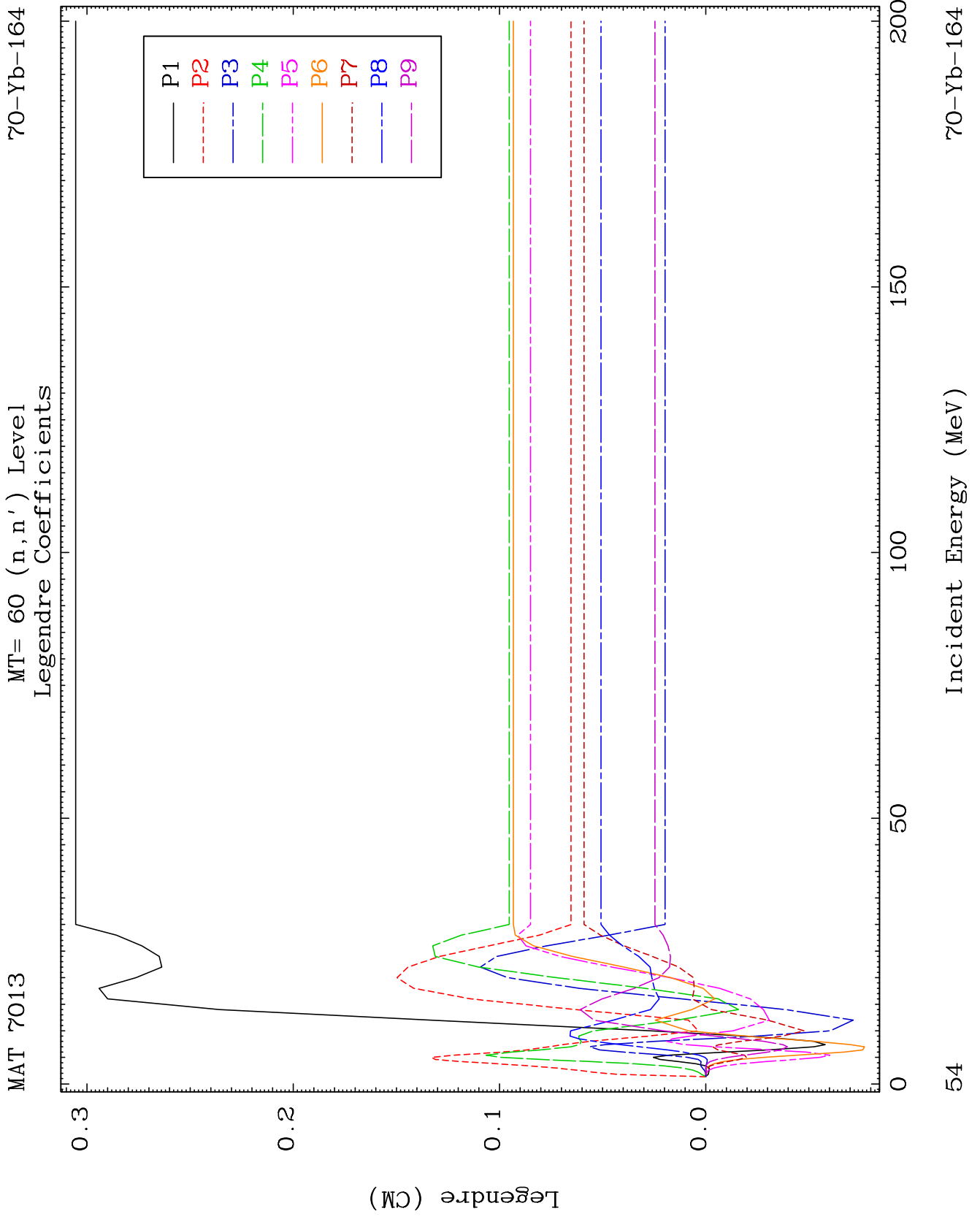
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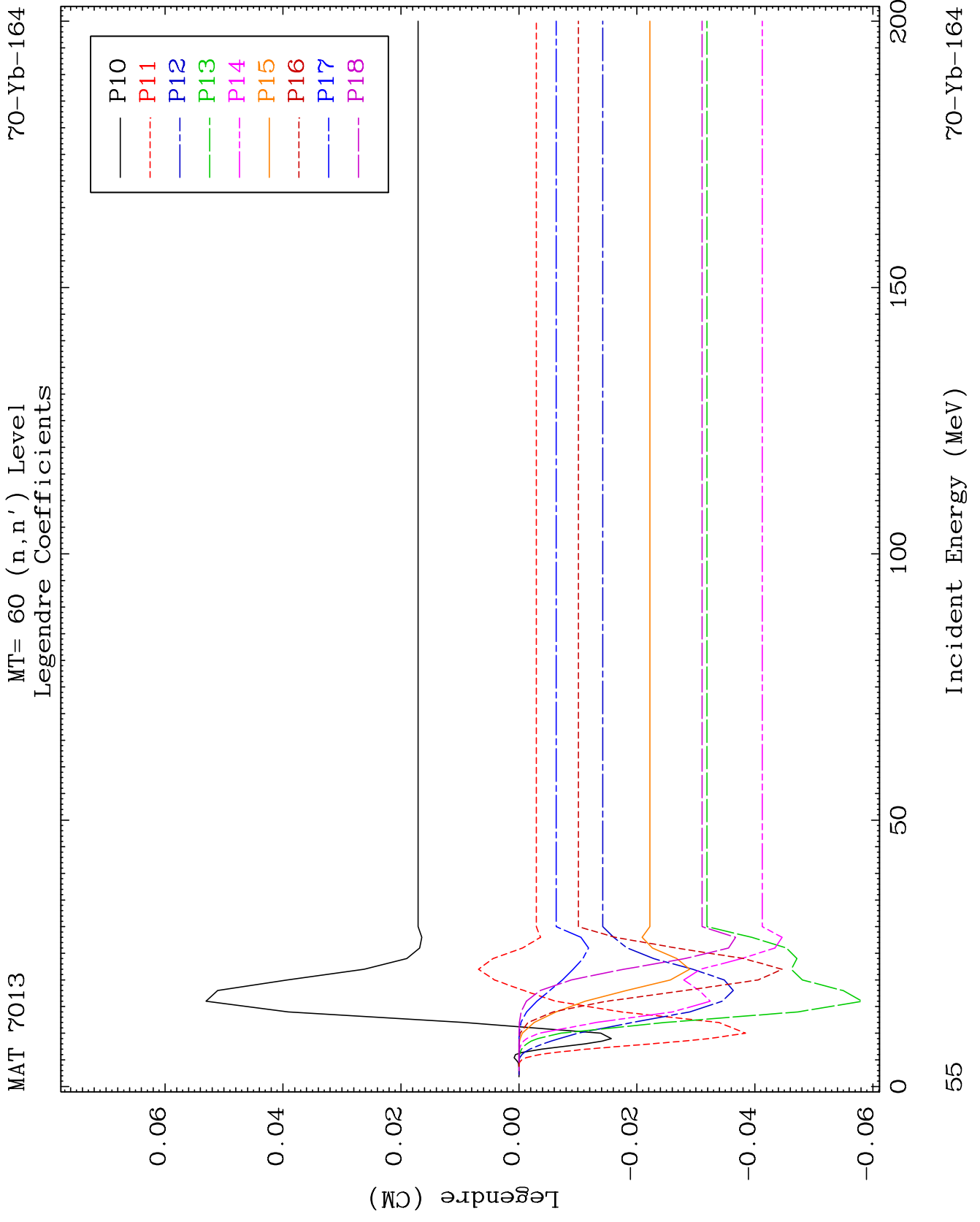


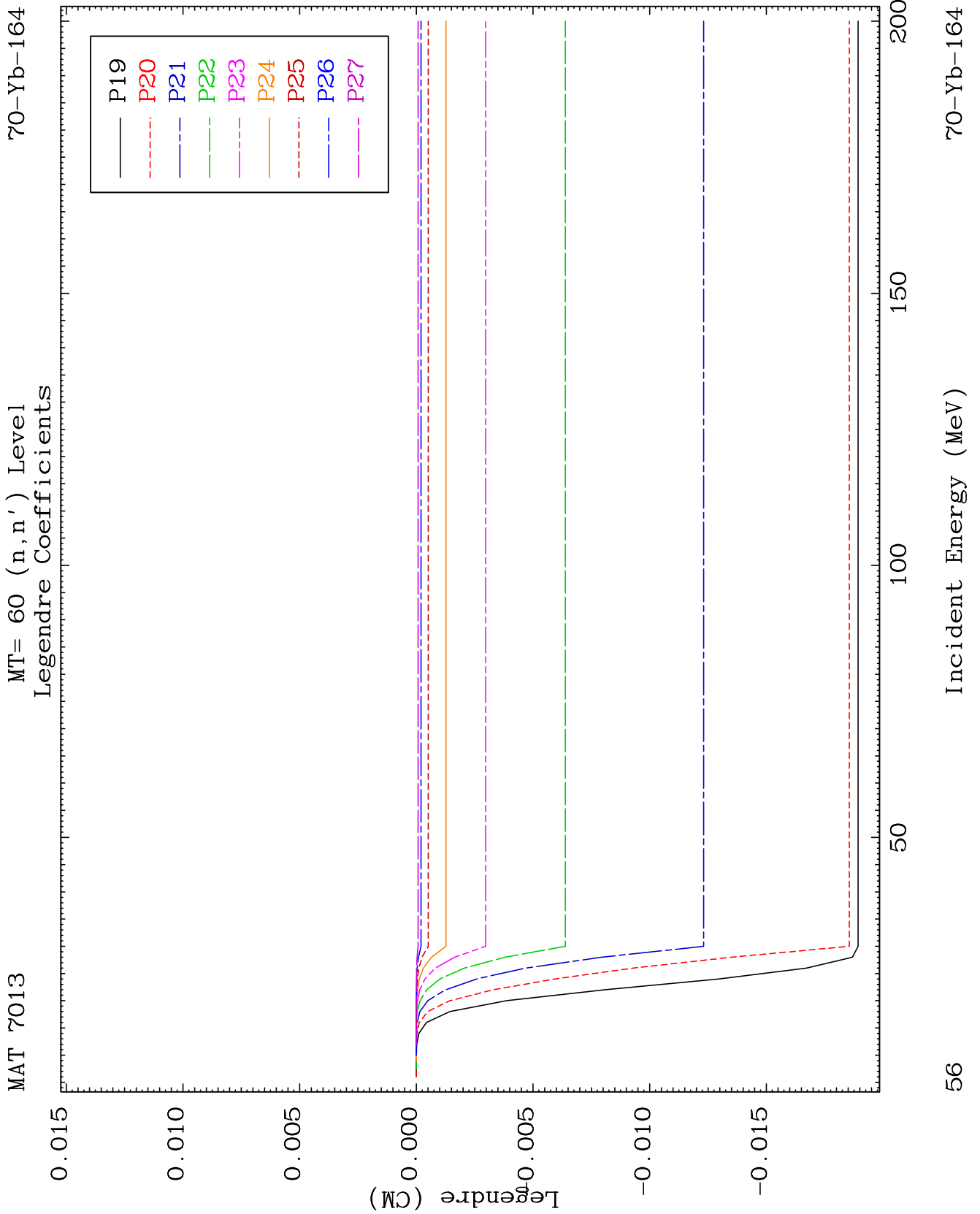
53

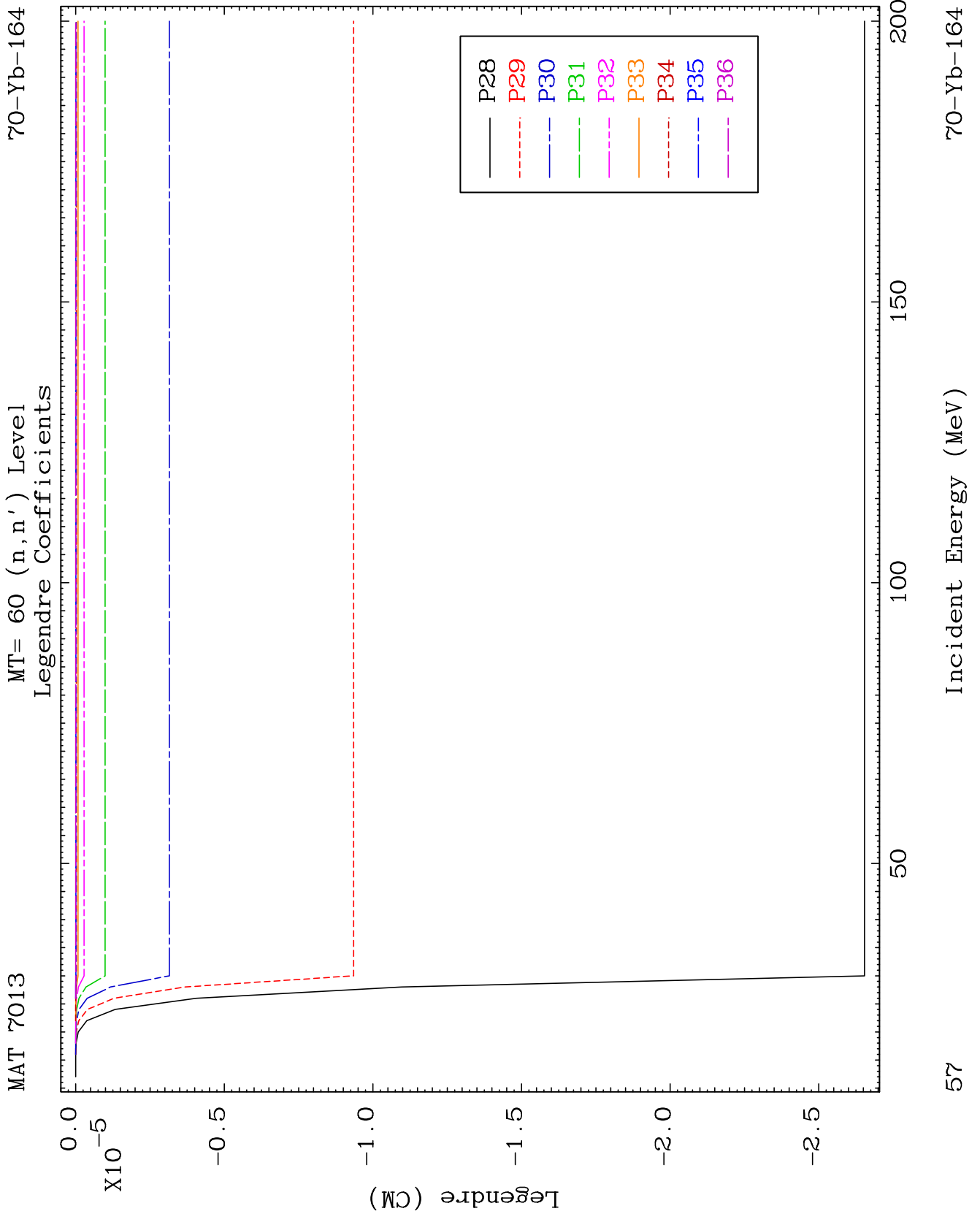
Incident Energy (MeV)

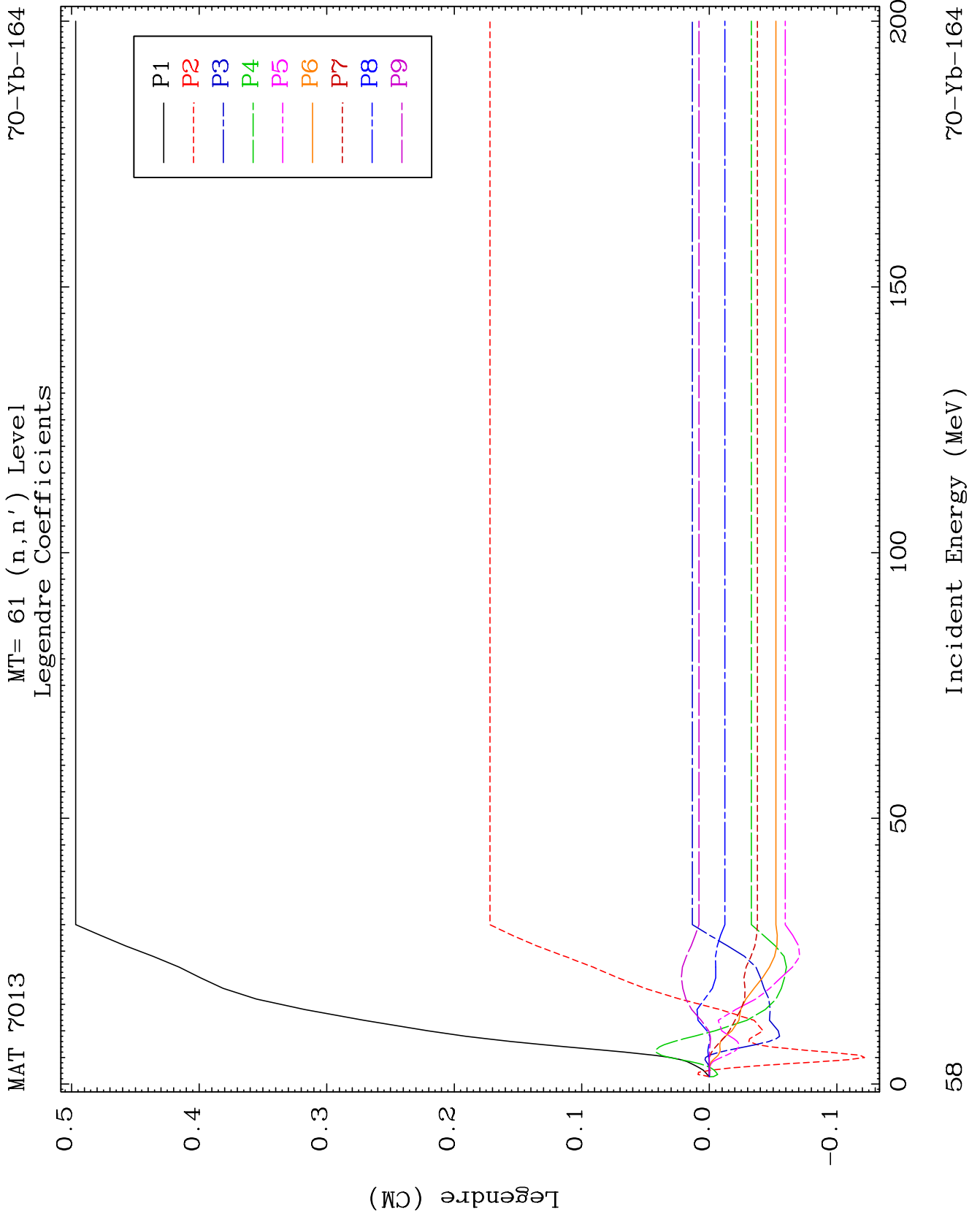
70-Yb-164







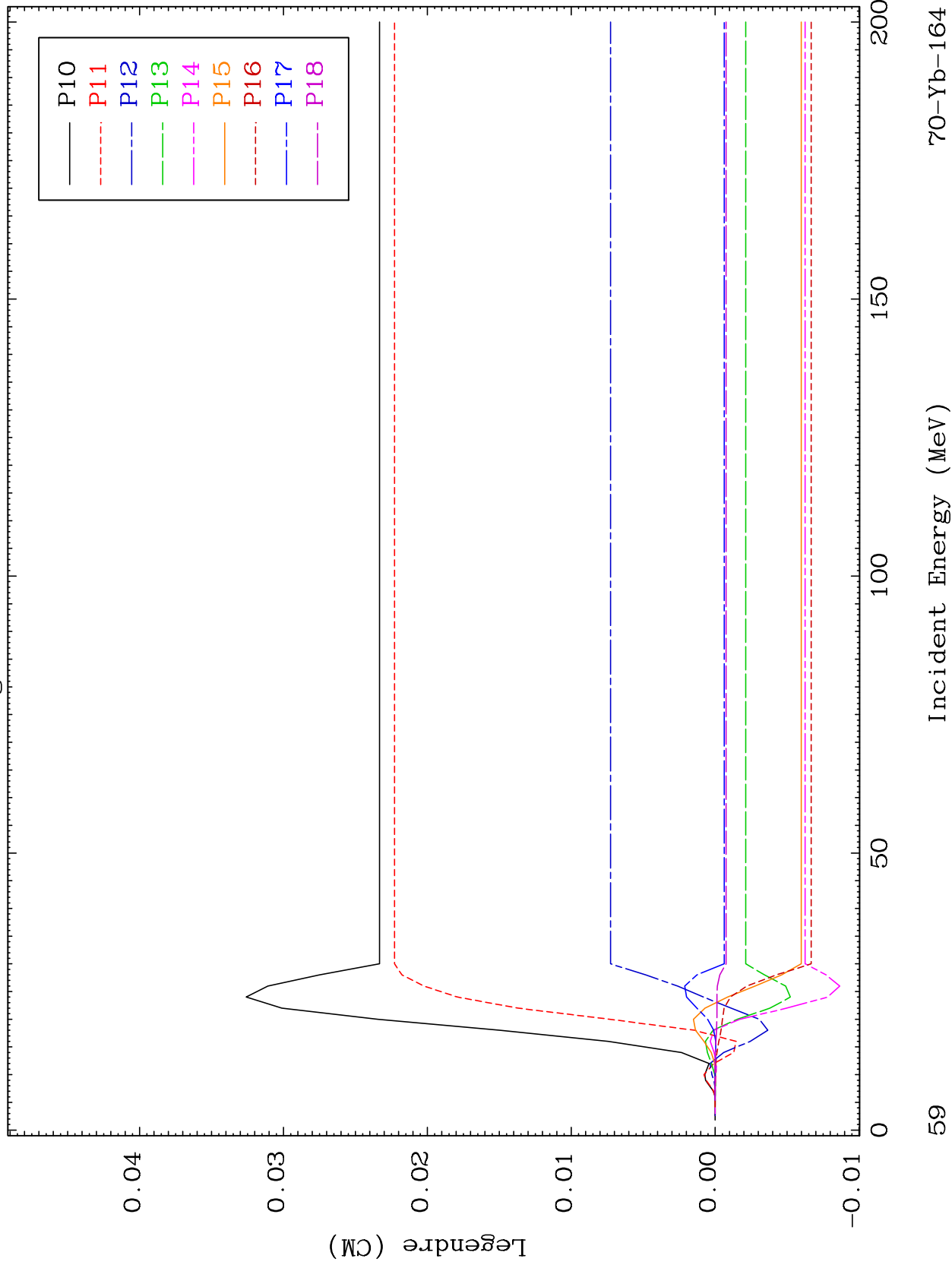


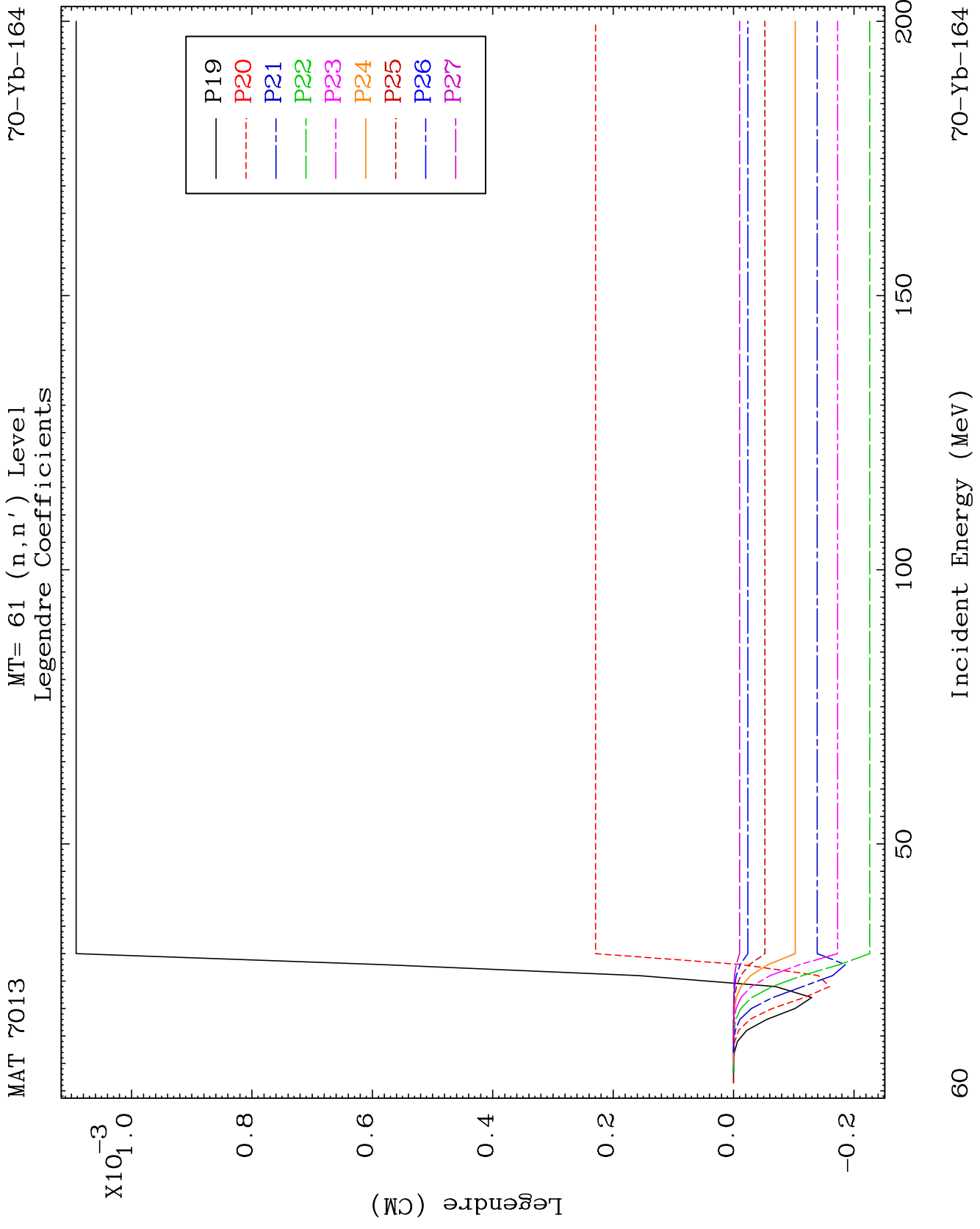


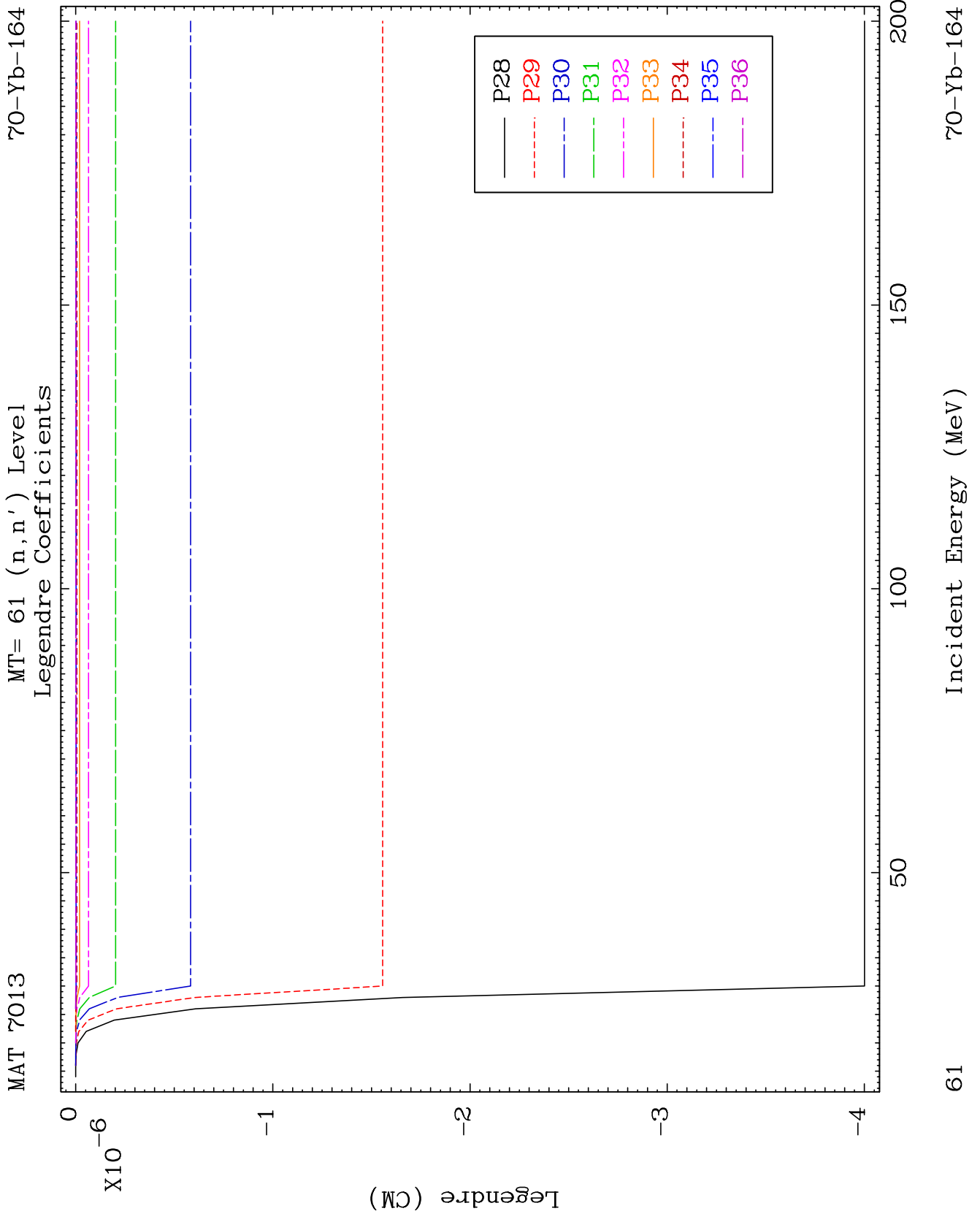
MAT 7013

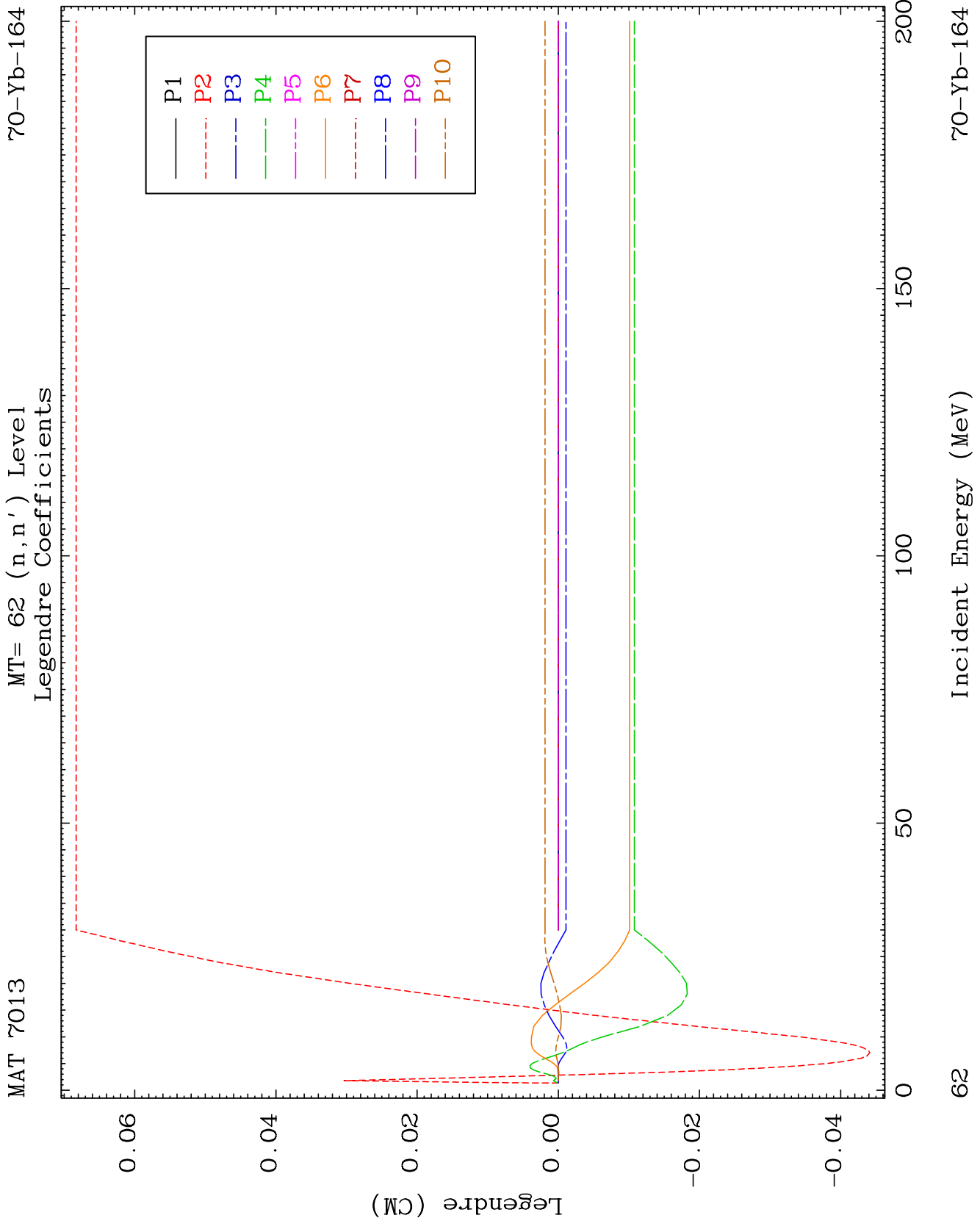
MT= 61 (n,n') Level
Legendre Coefficients

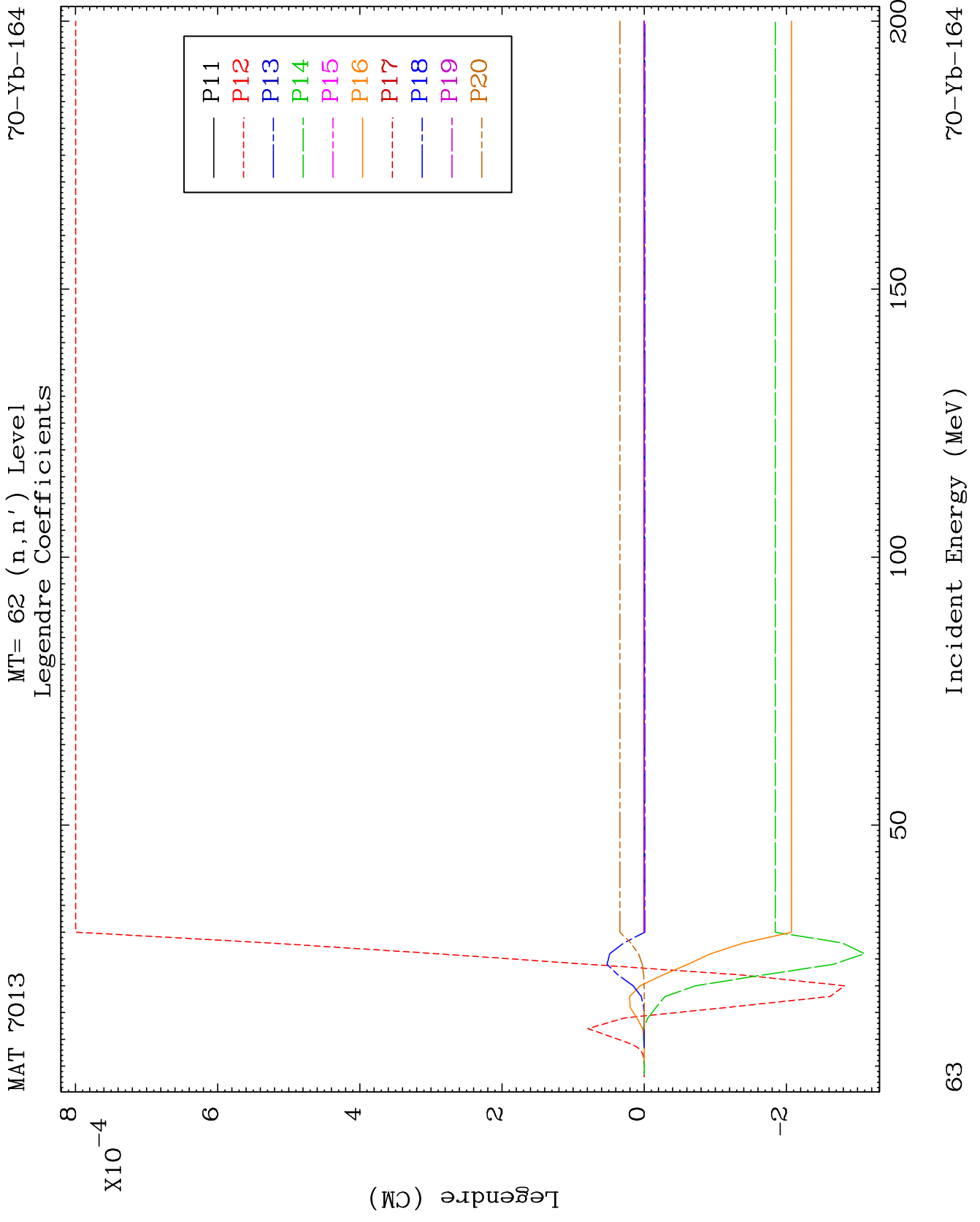
70-Yb-164







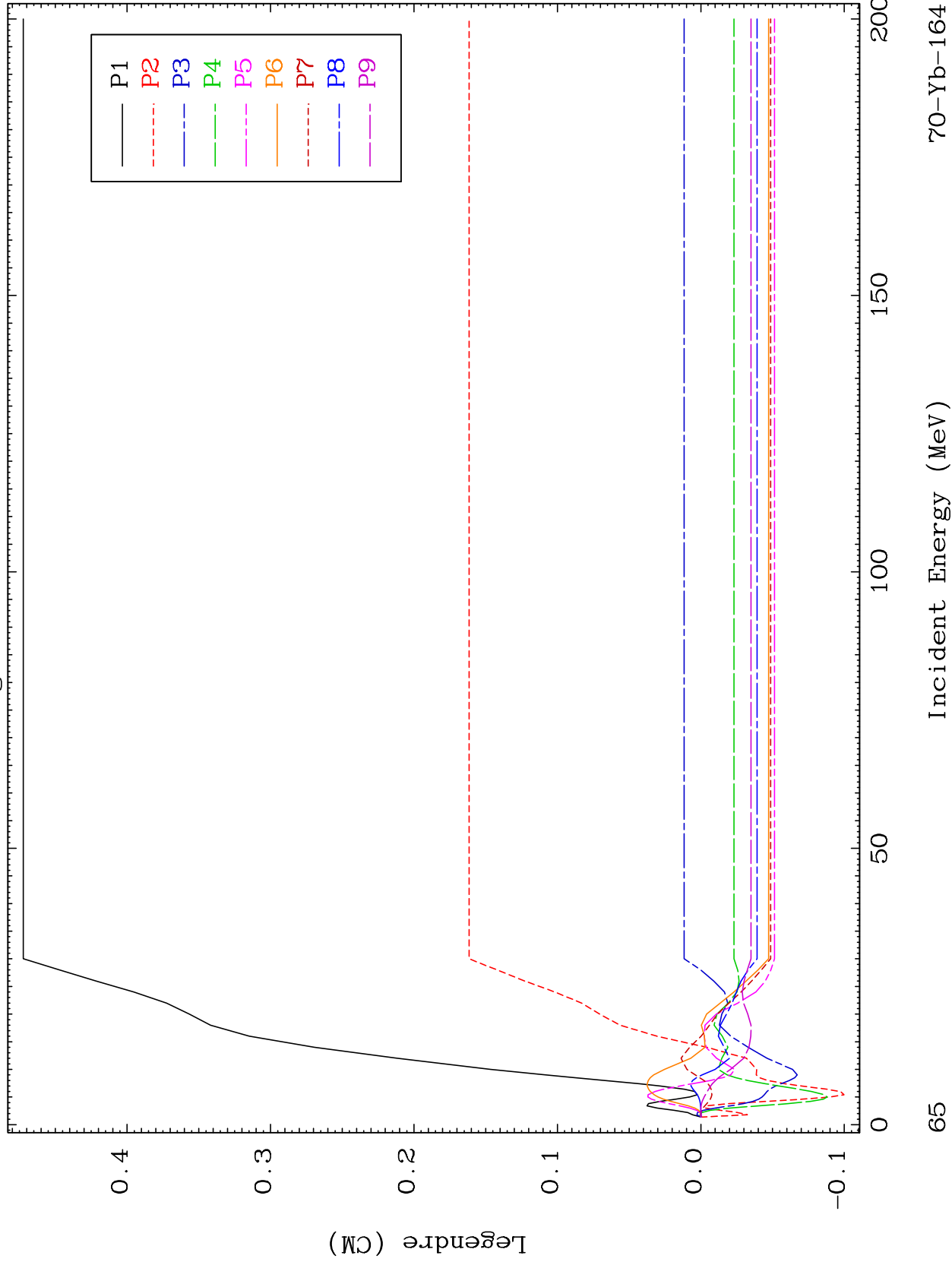




MAT 7013

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

70-Yb-164



70-Yb-164

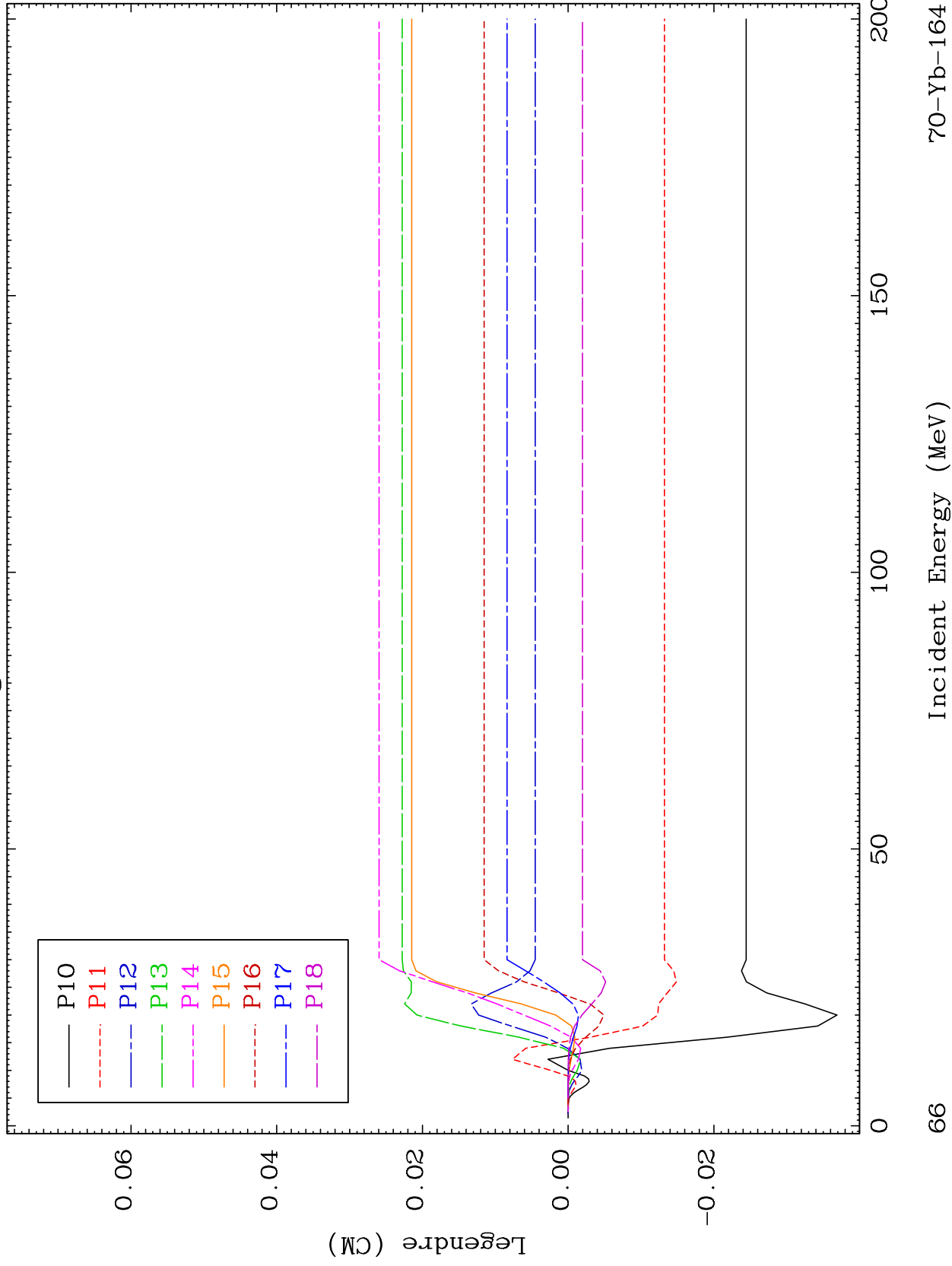
Incident Energy (MeV)

65

MAT 7013

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

70-Yb-164



66

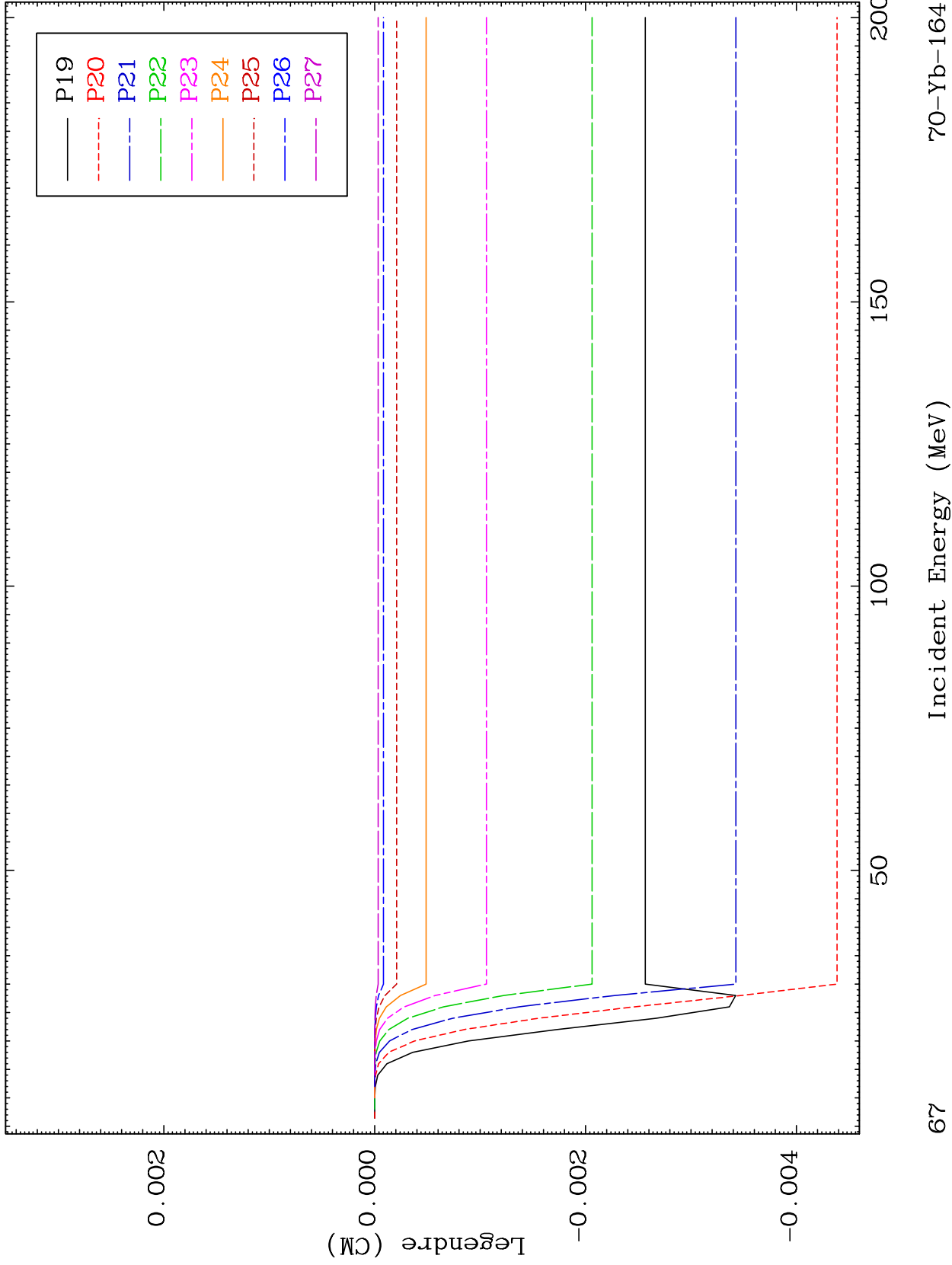
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

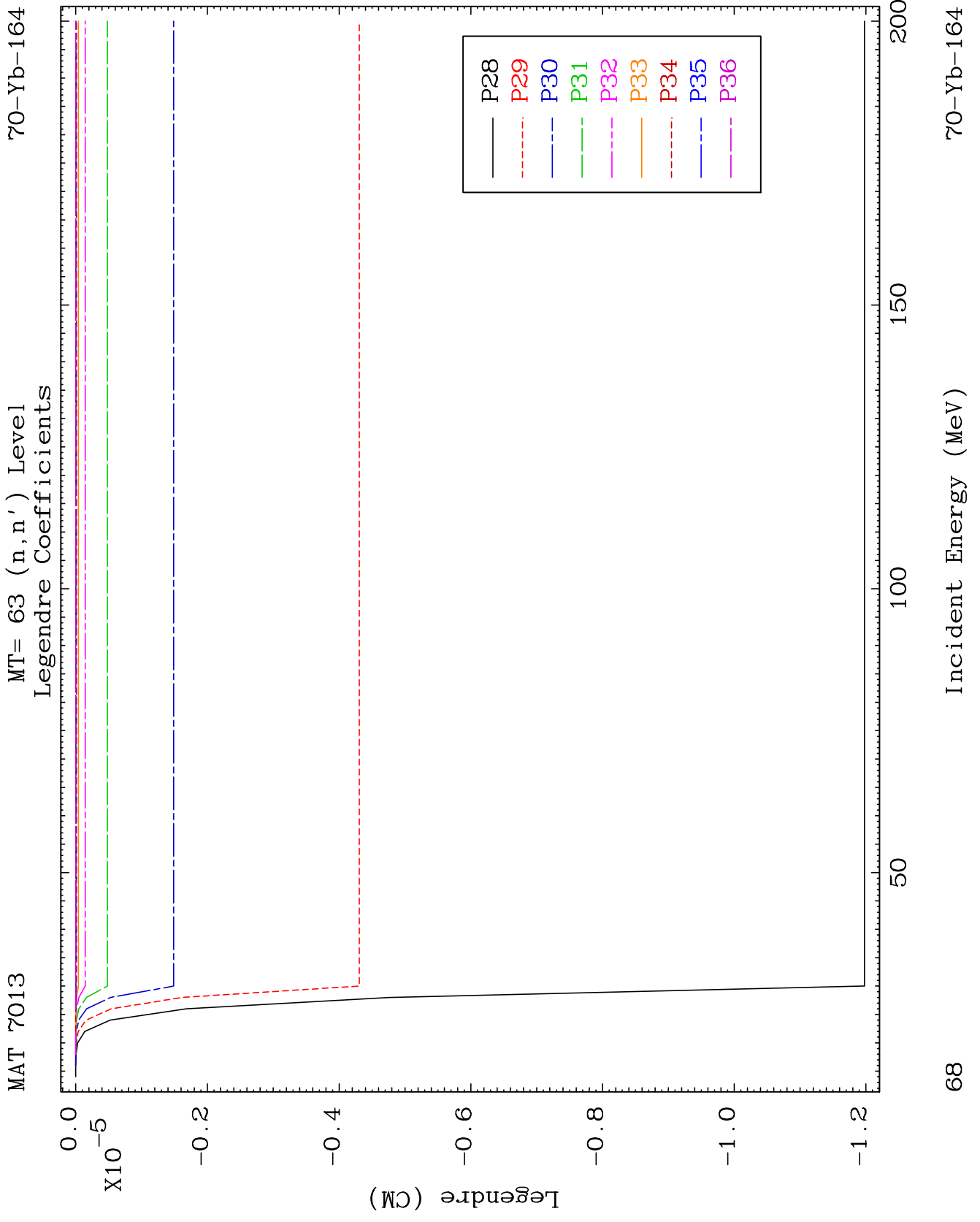
70-Yb-164

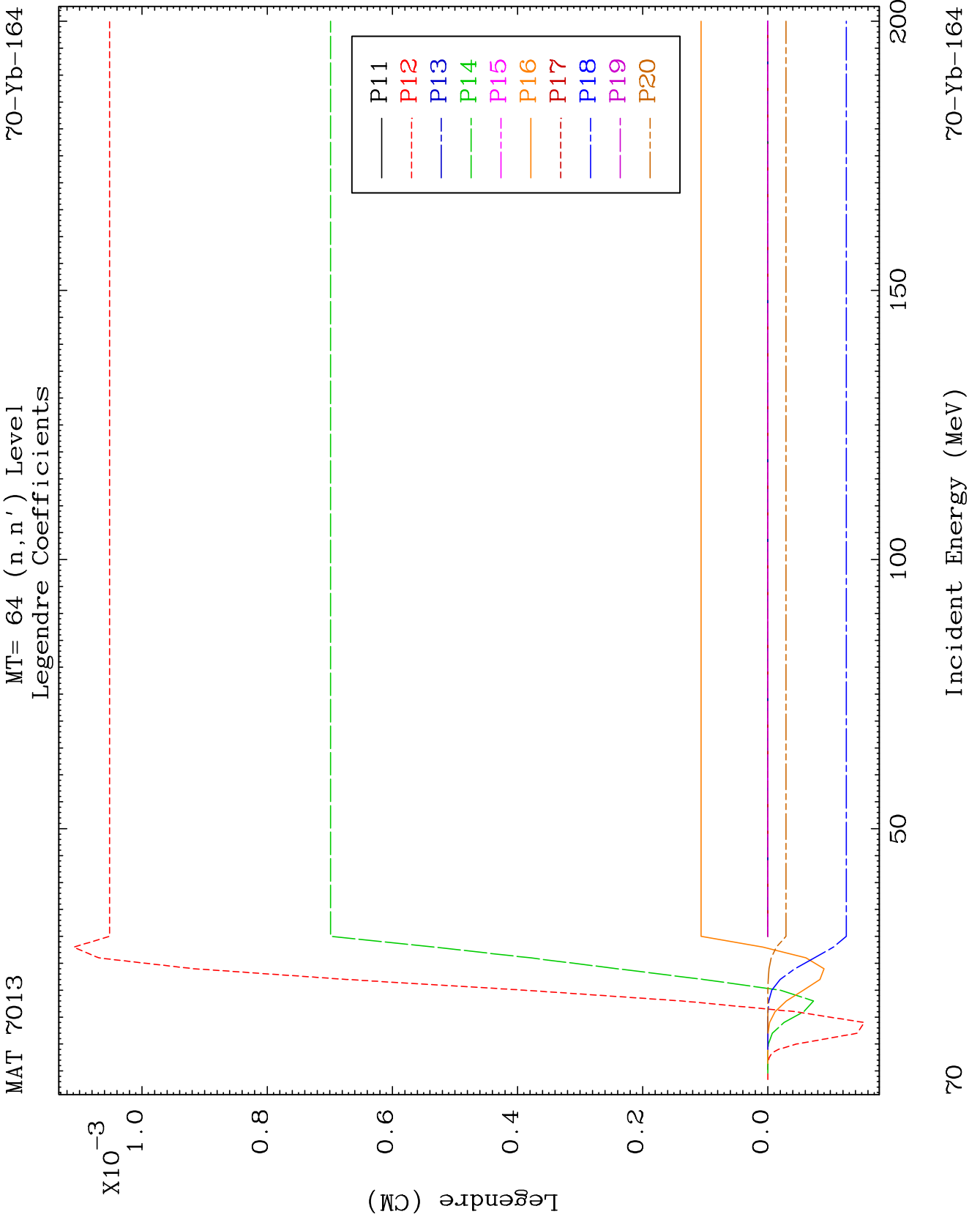


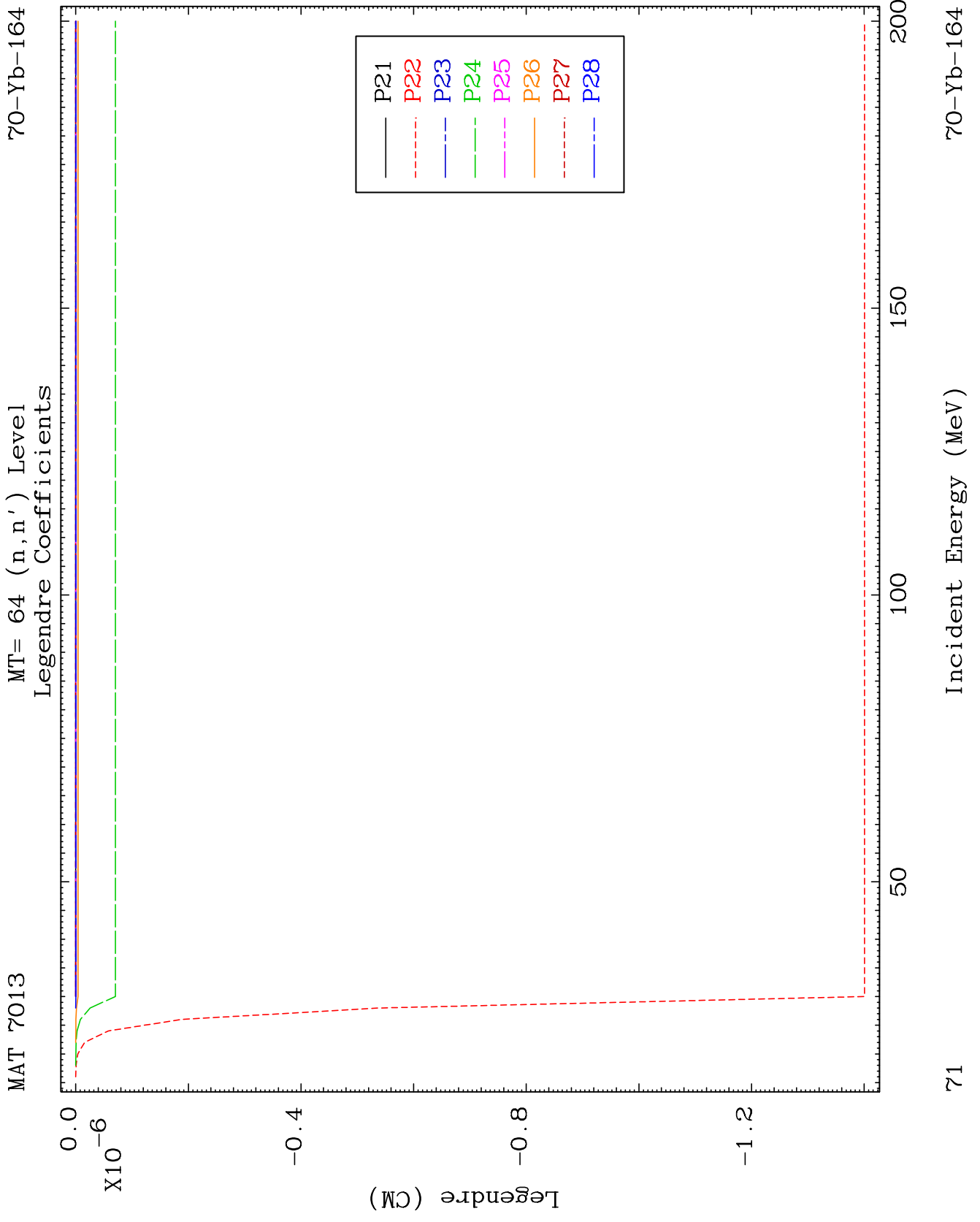
67

Incident Energy (MeV)

70-Yb-164



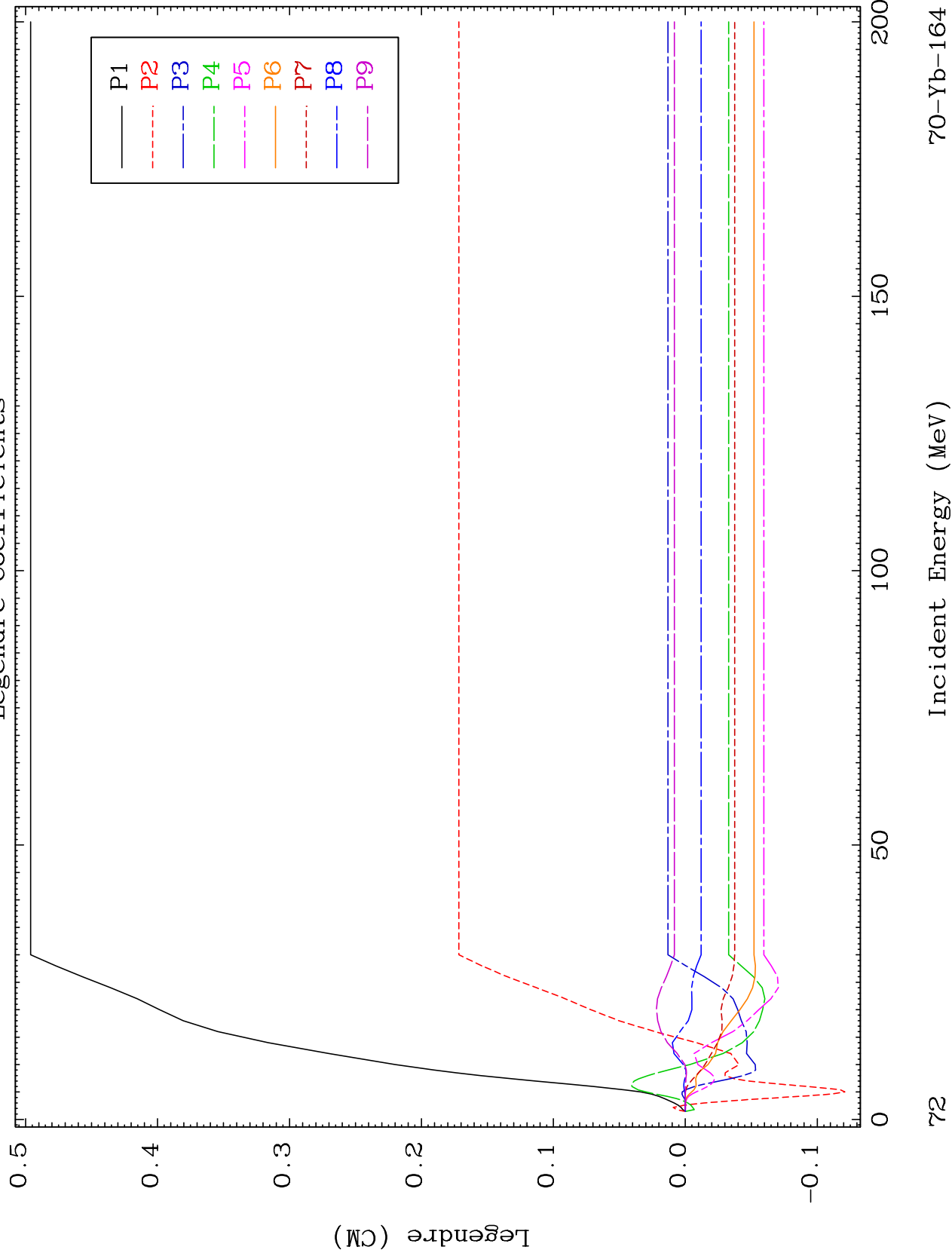




MAT 7013

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

70-Yb-164



70-Yb-164

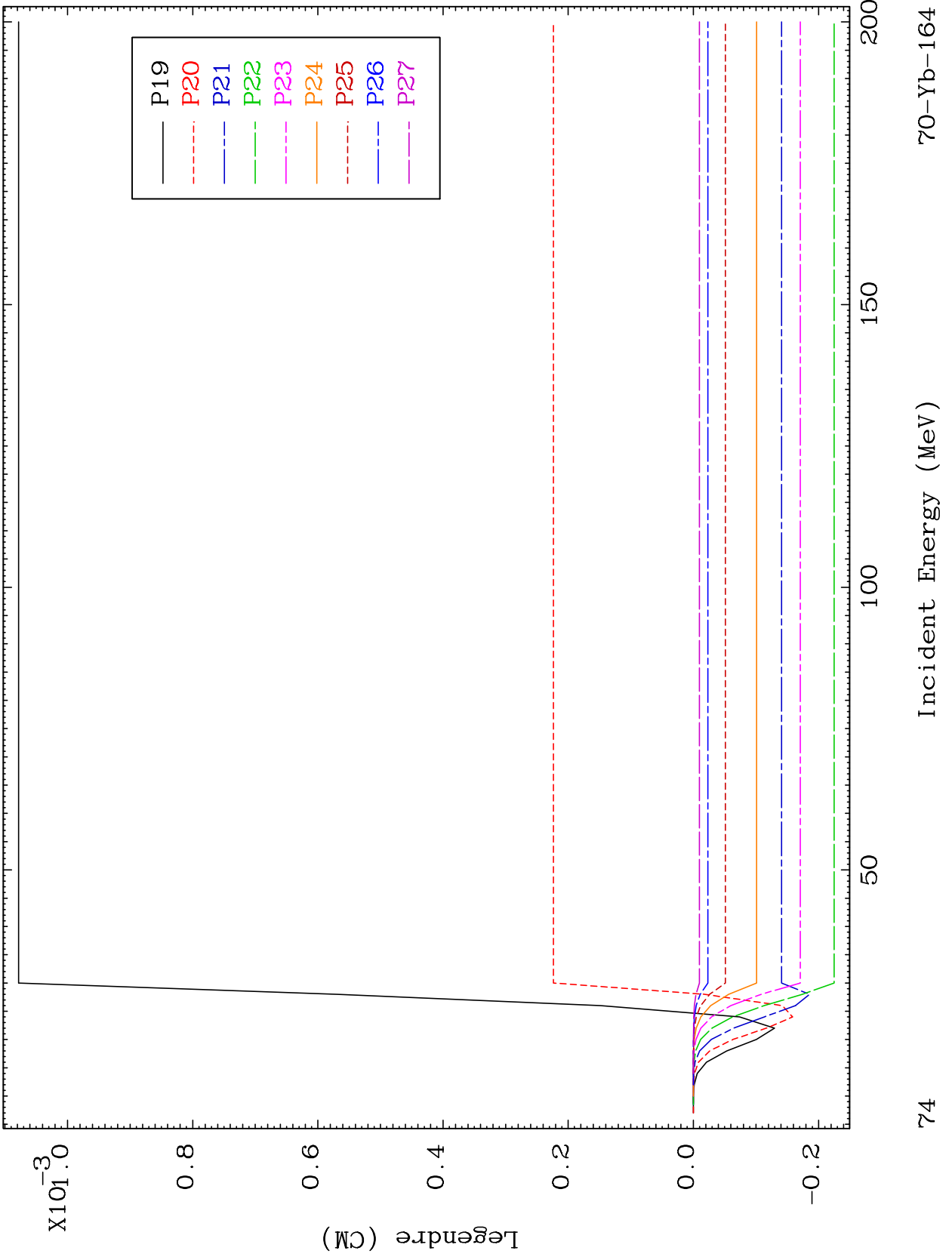
Incident Energy (MeV)

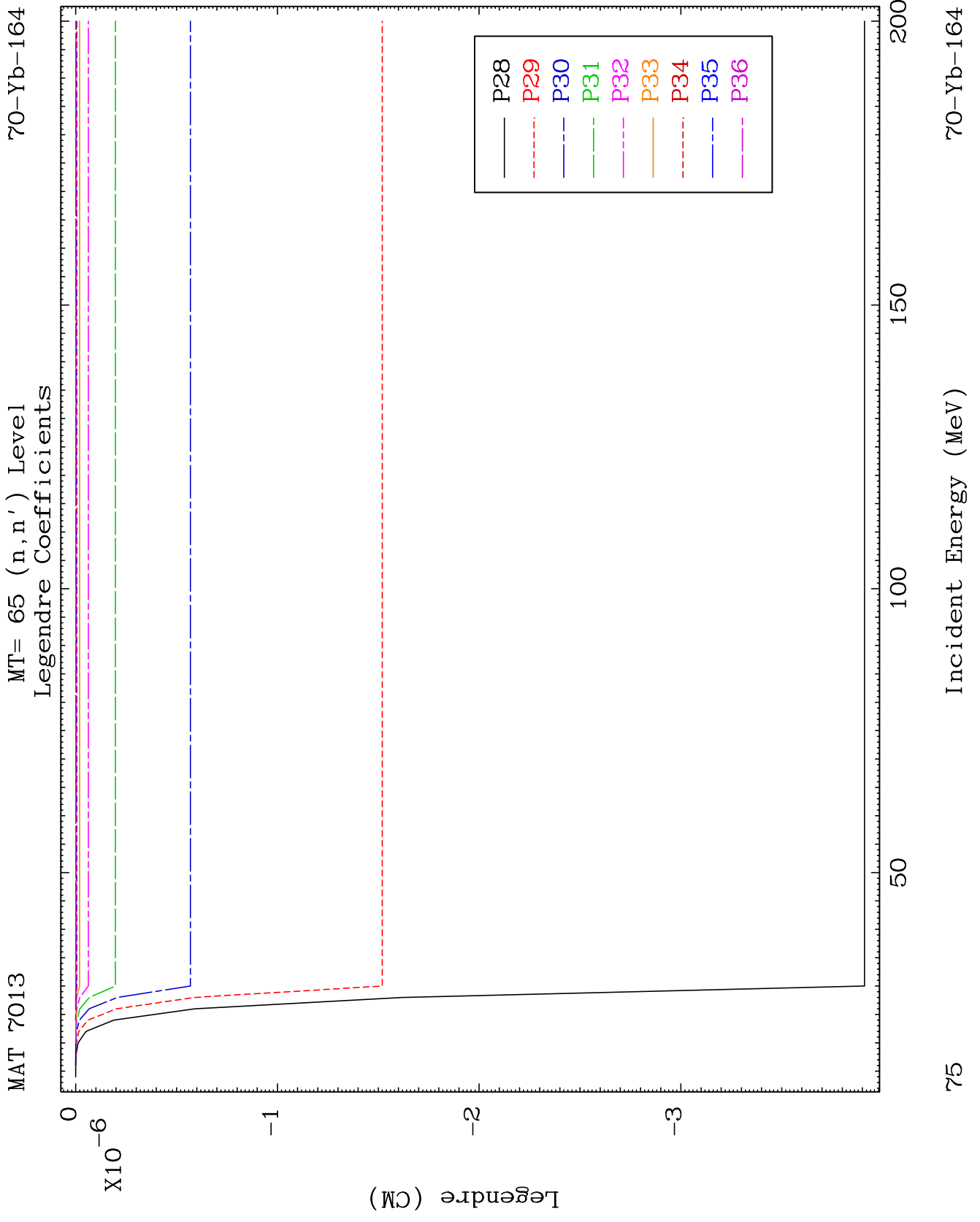
72

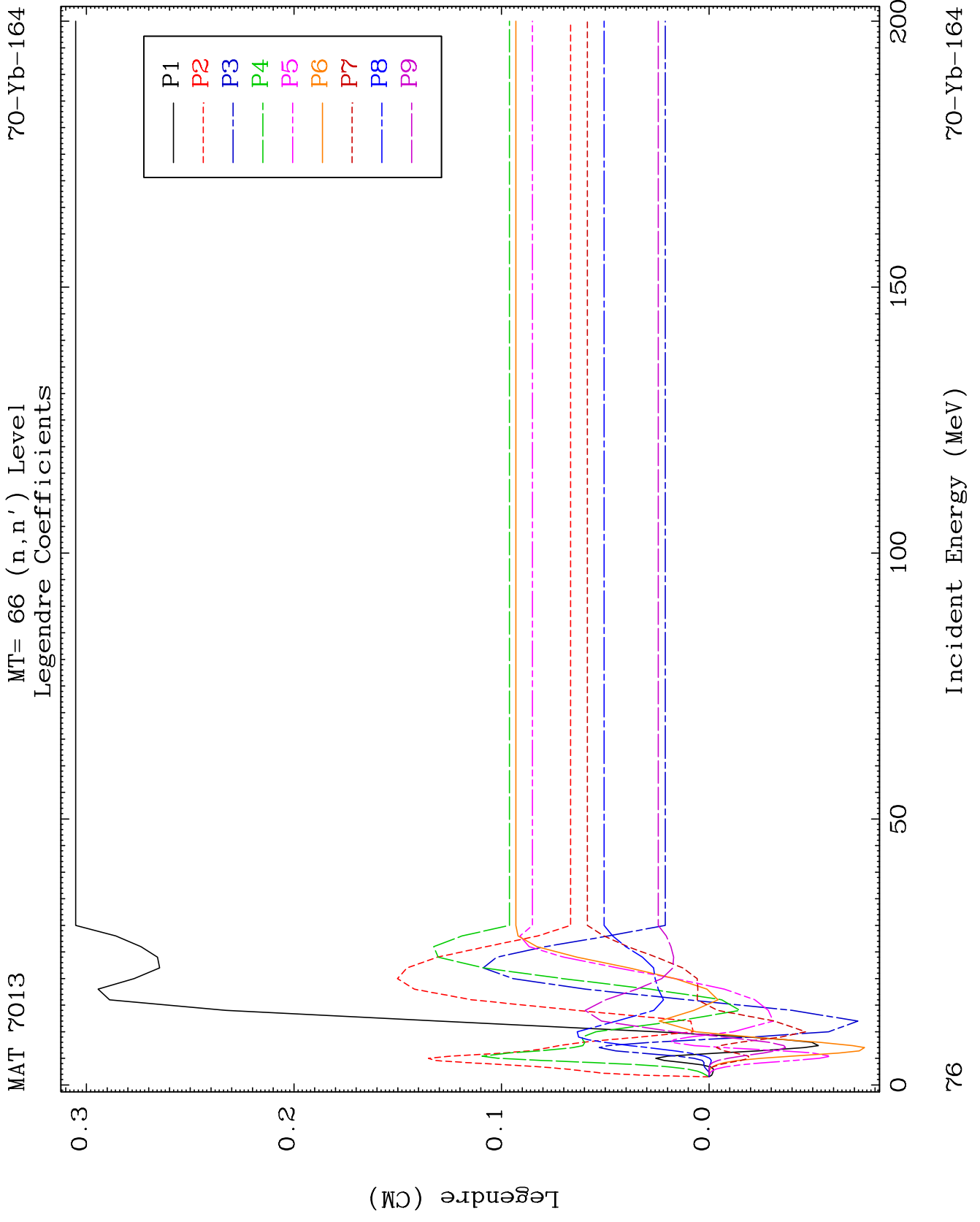
MAT 7013

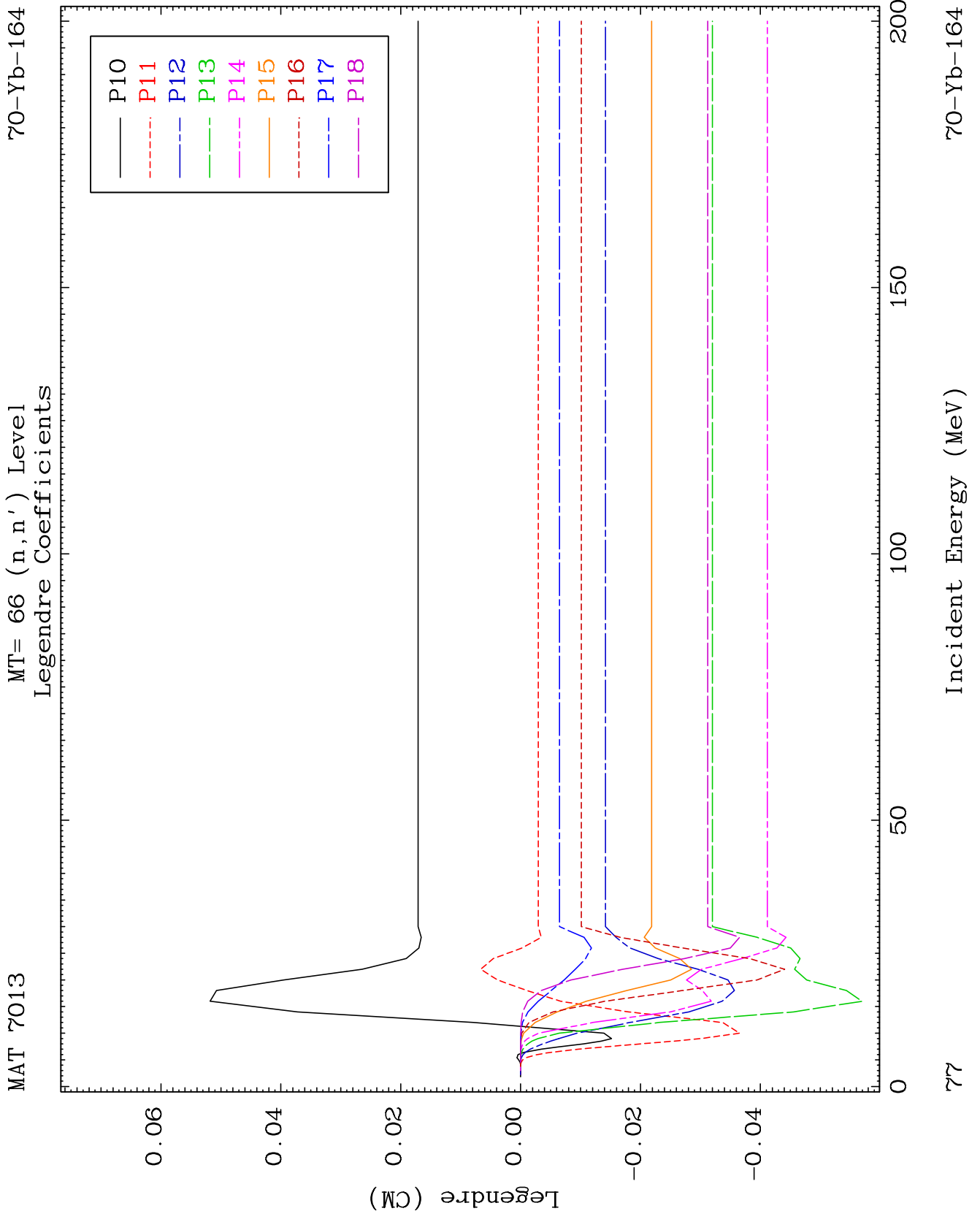
MT= 65 (n,n') Level
Legendre Coefficients

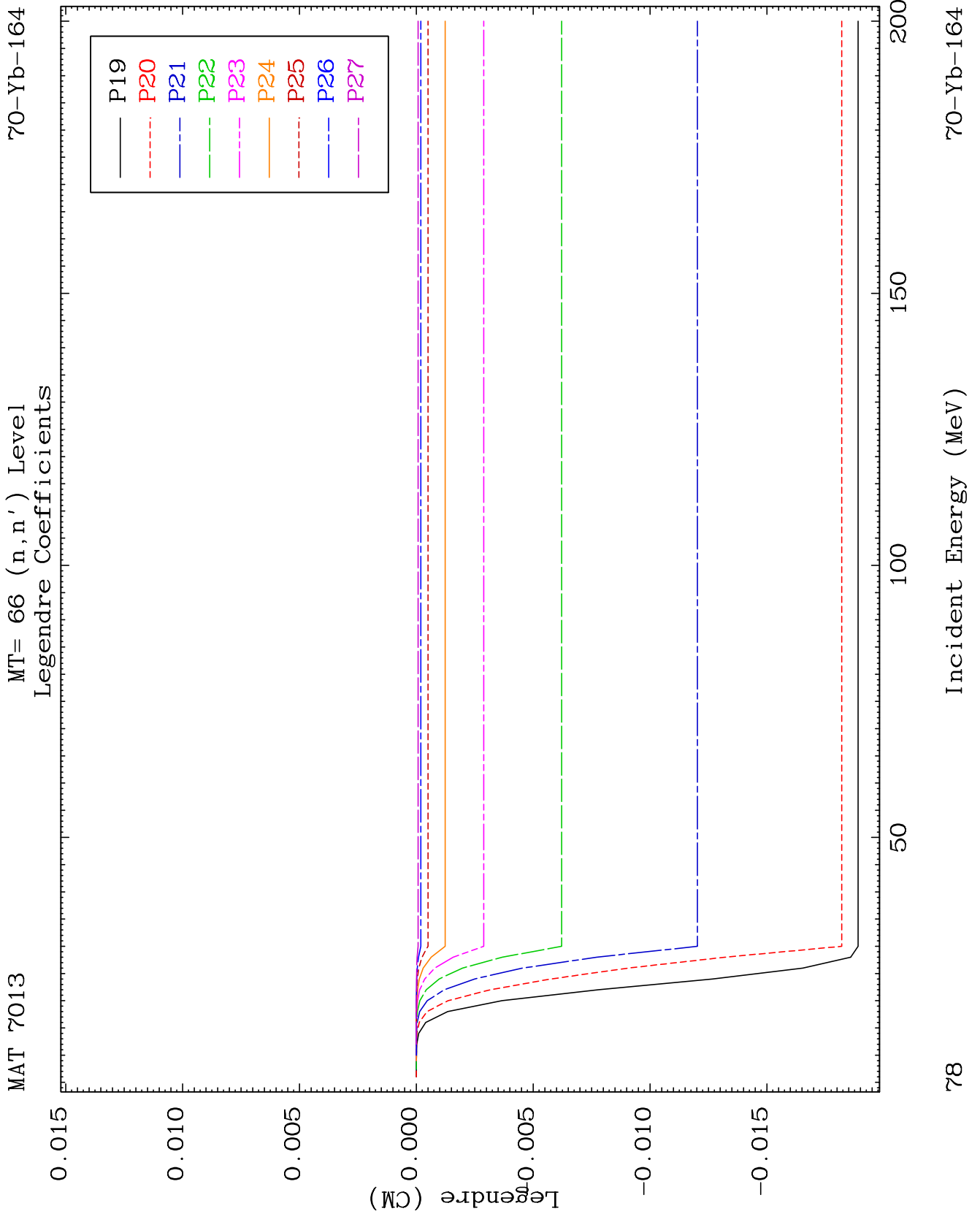
70-Yb-164

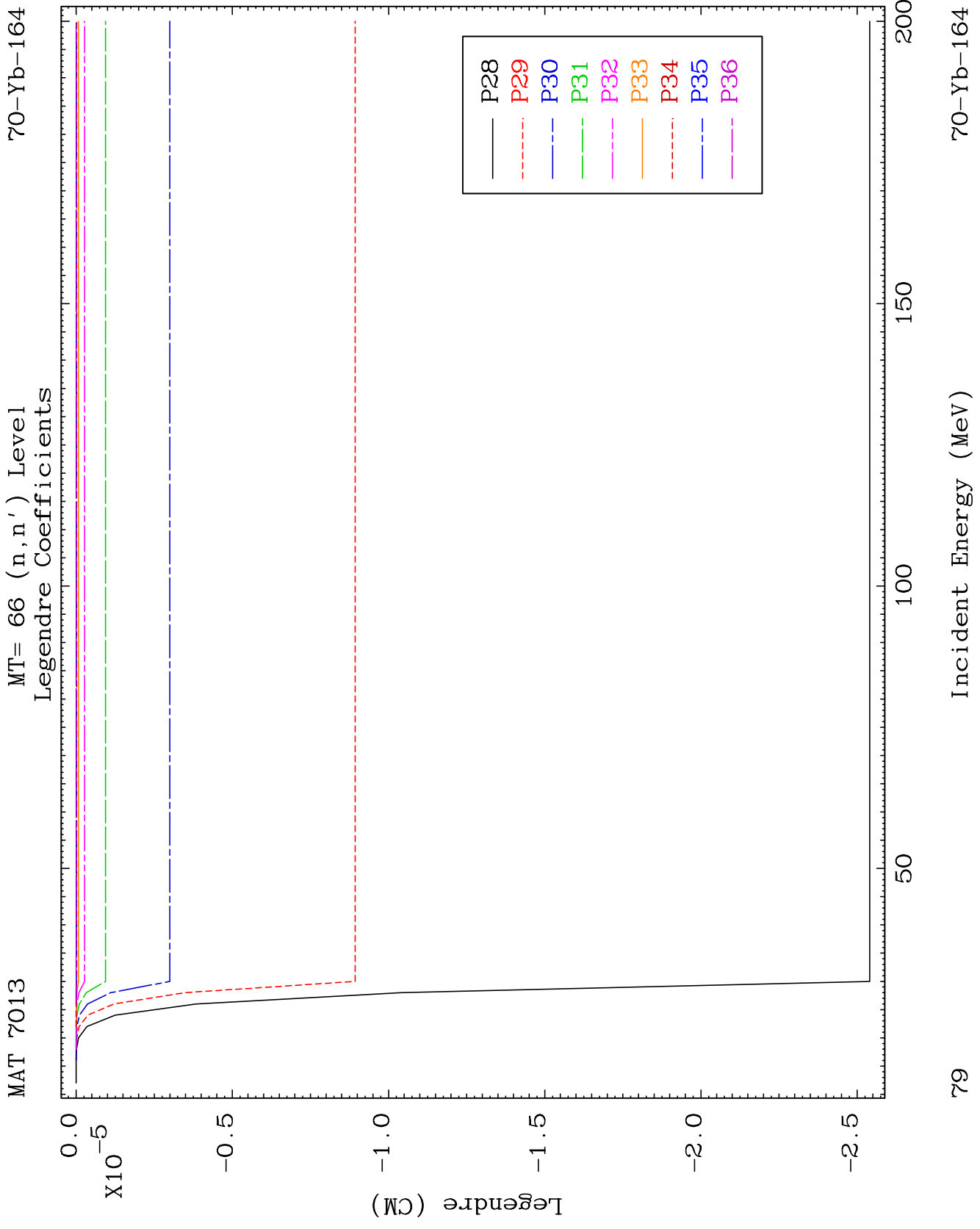








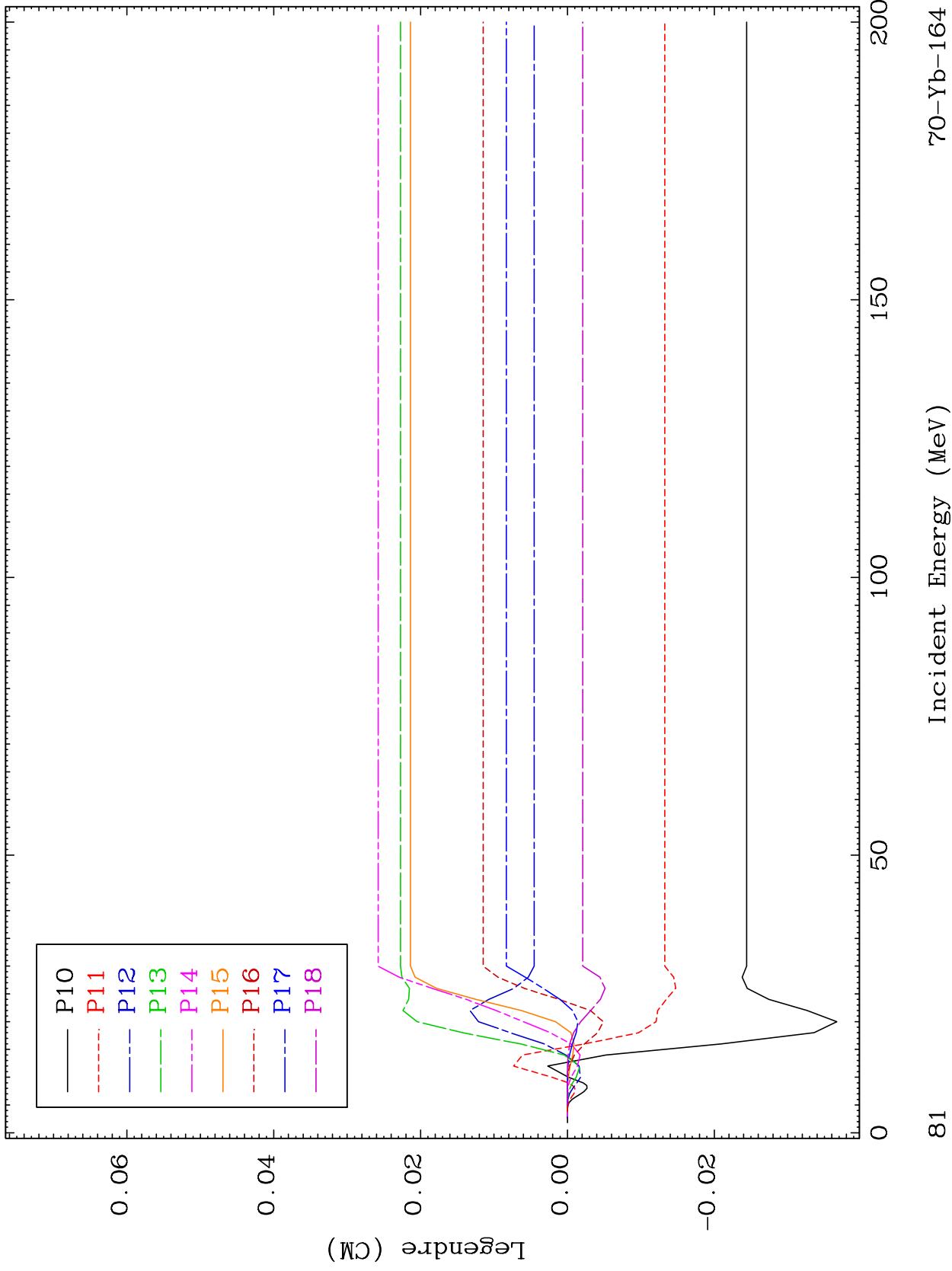




MAT 7013

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

70-Yb-164



81

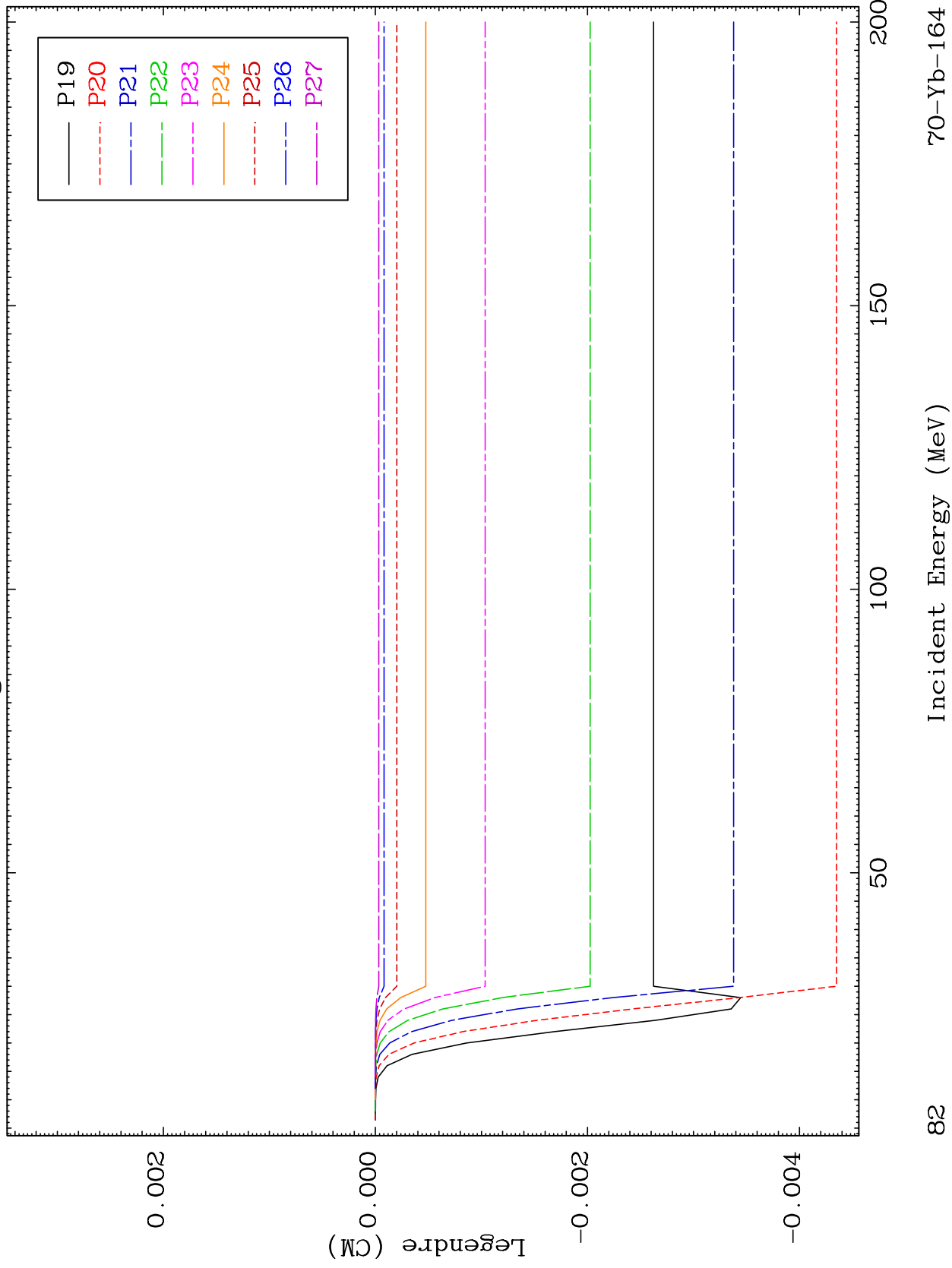
Incident Energy (MeV)

70-Yb-164

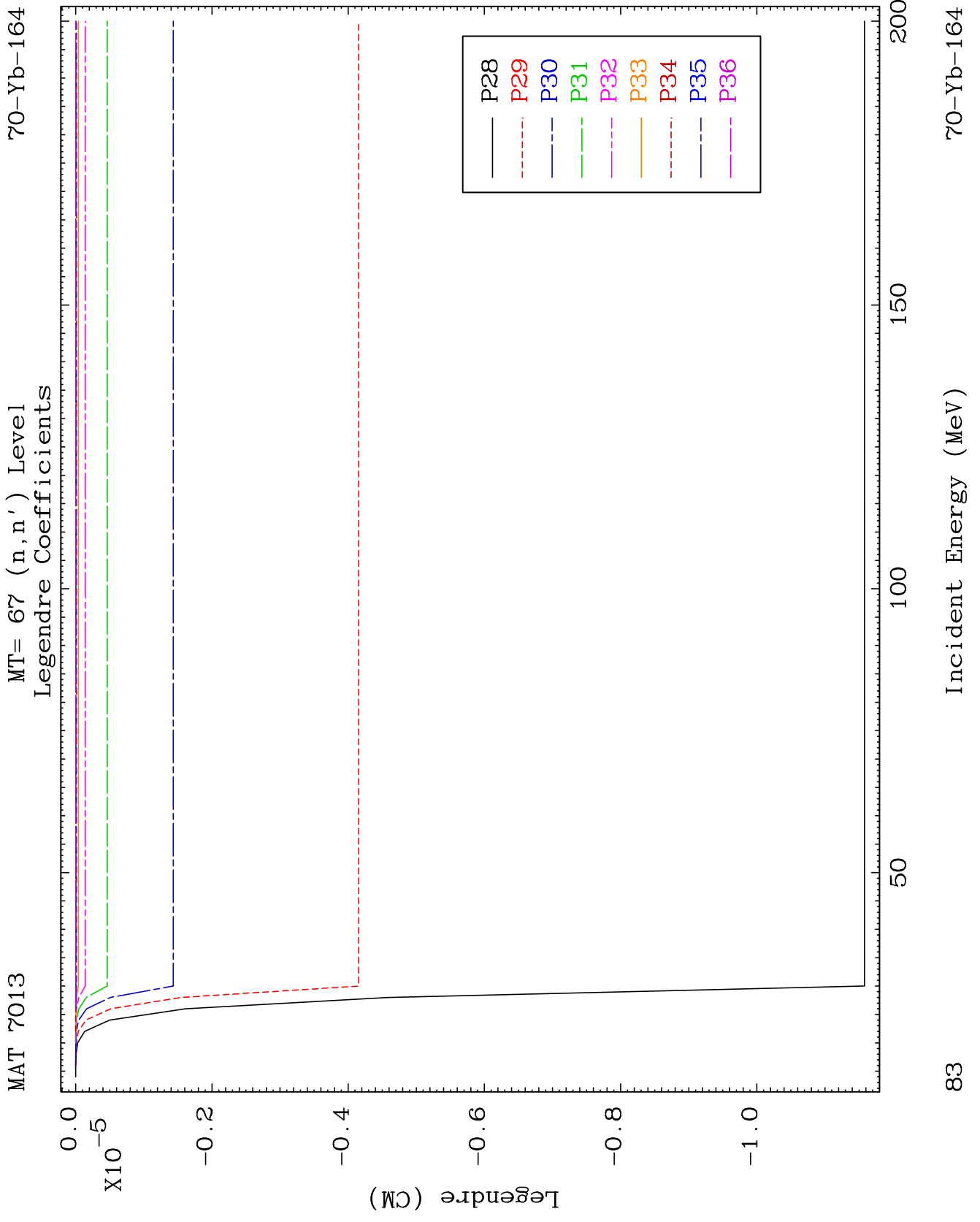
MAT 7013

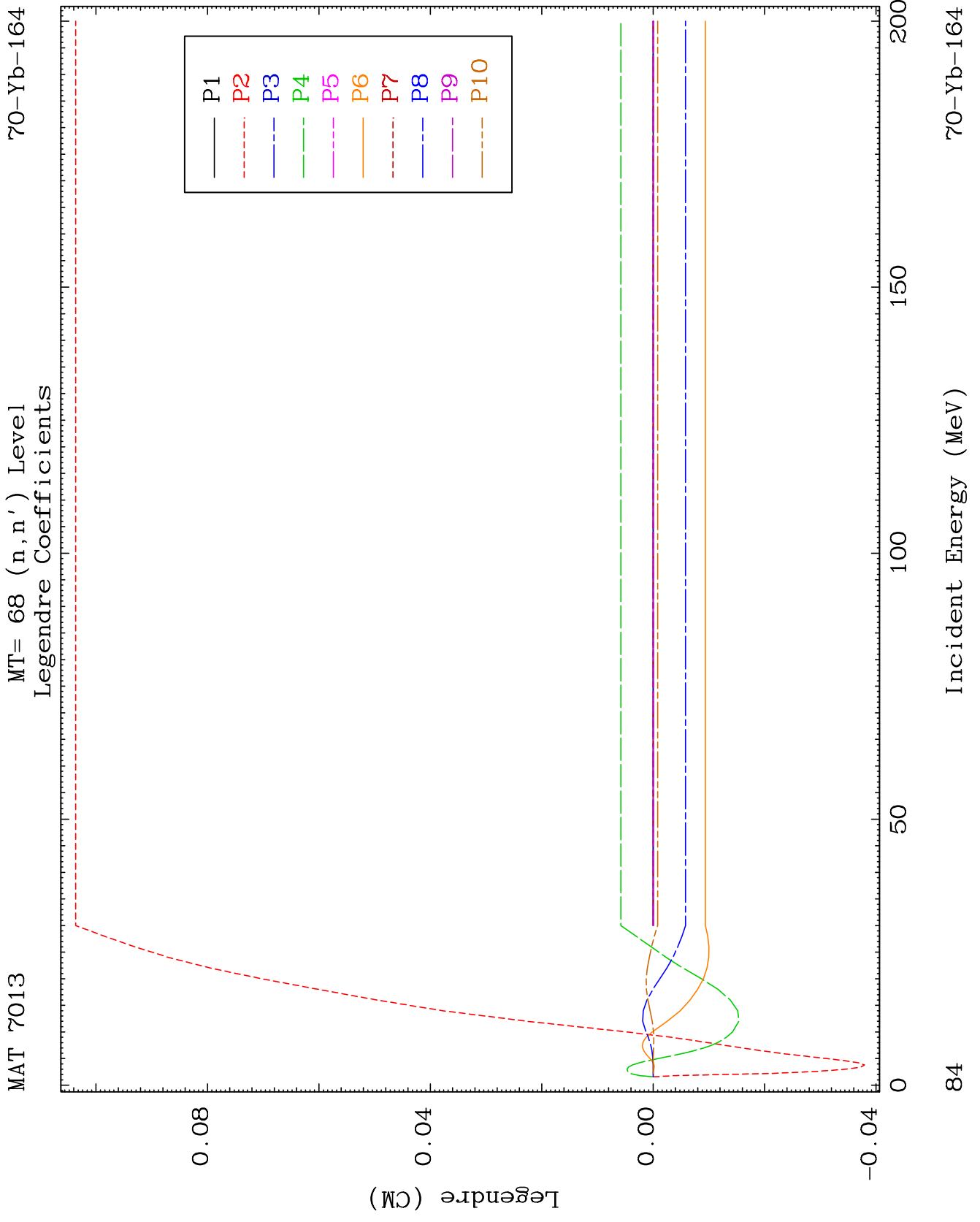
MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-164



82

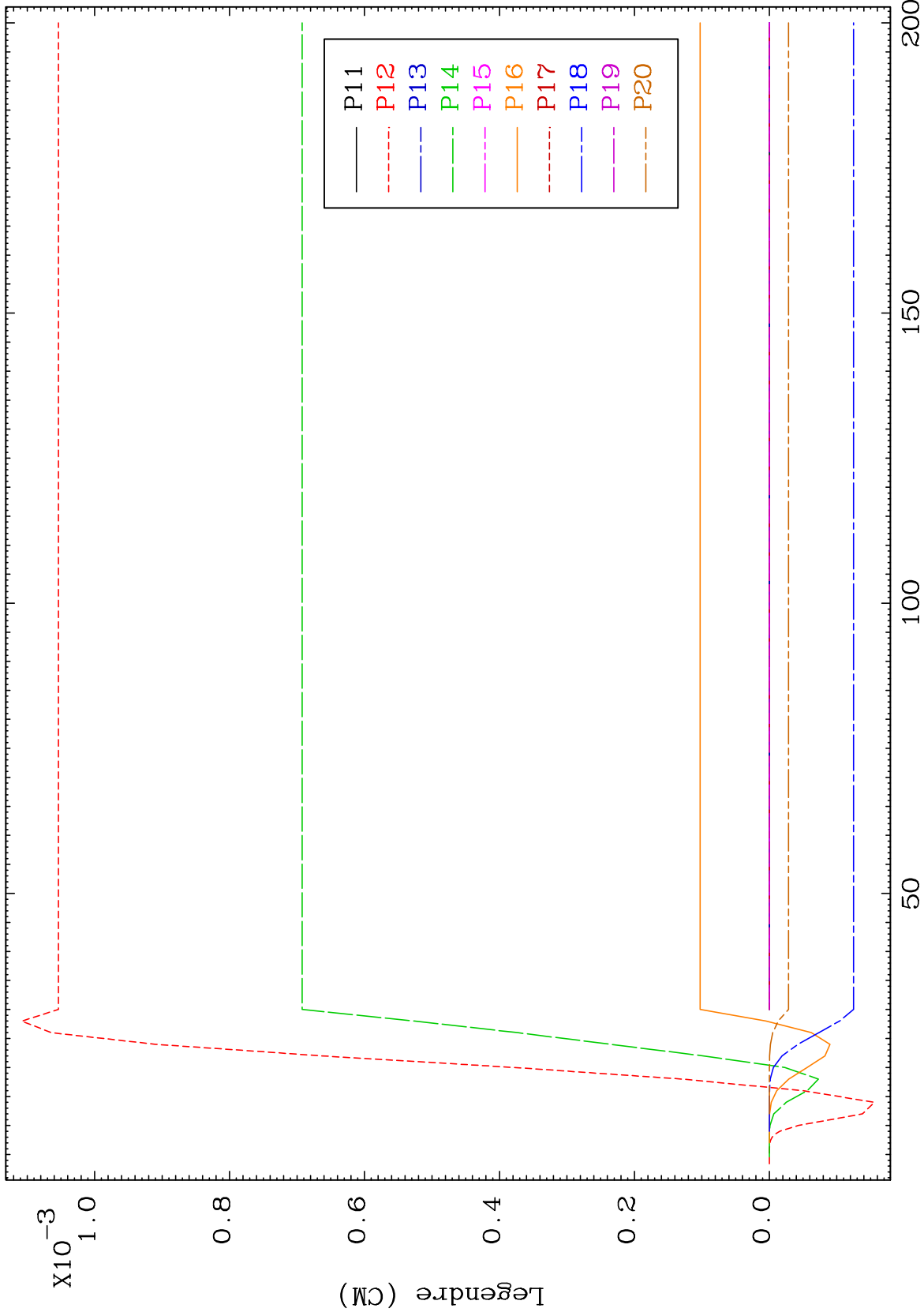




MAT 7013

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

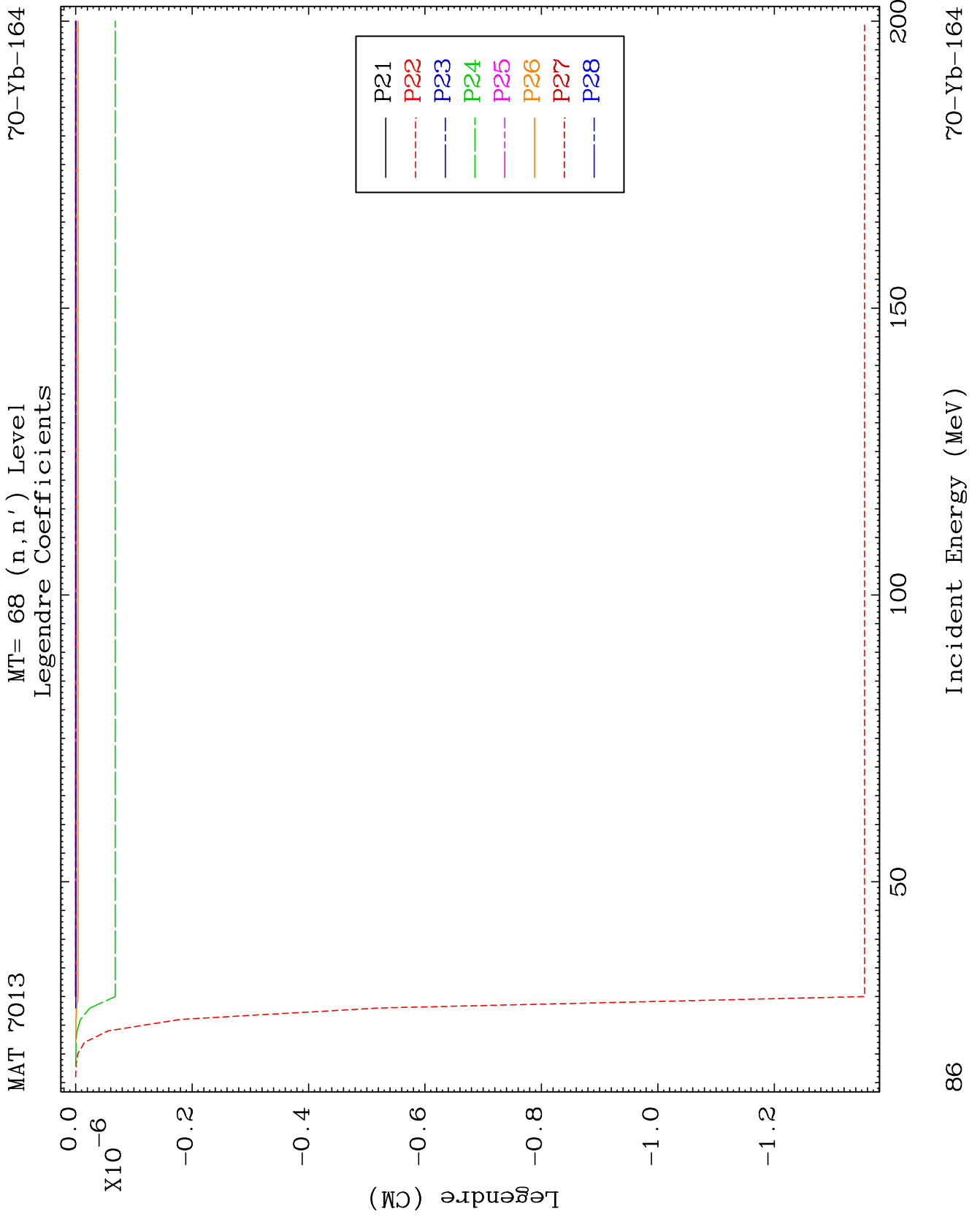
70-Yb-164



85

Incident Energy (MeV)

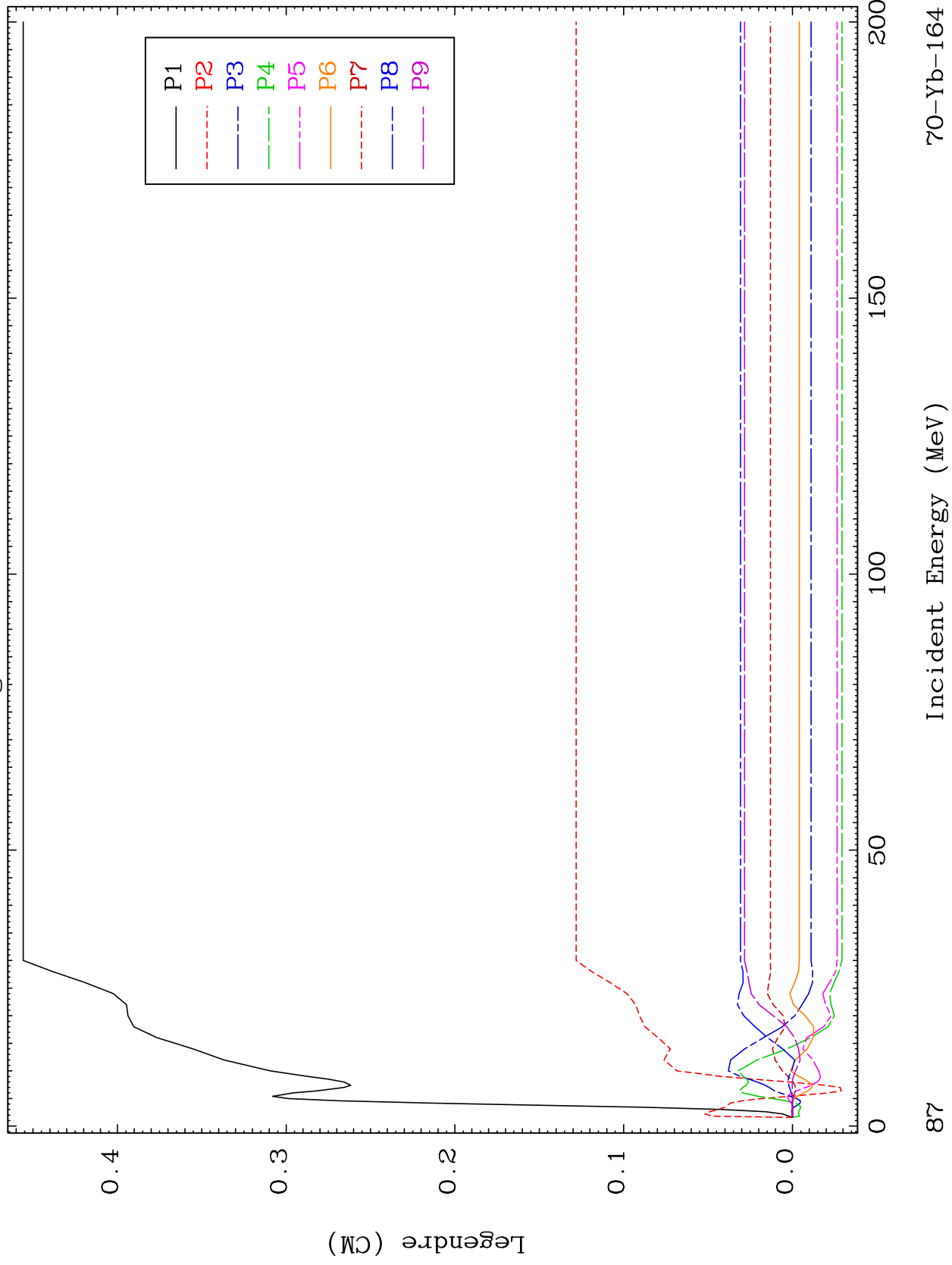
70-Yb-164



MAT 7013

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

70-Yb-164



70-Yb-164

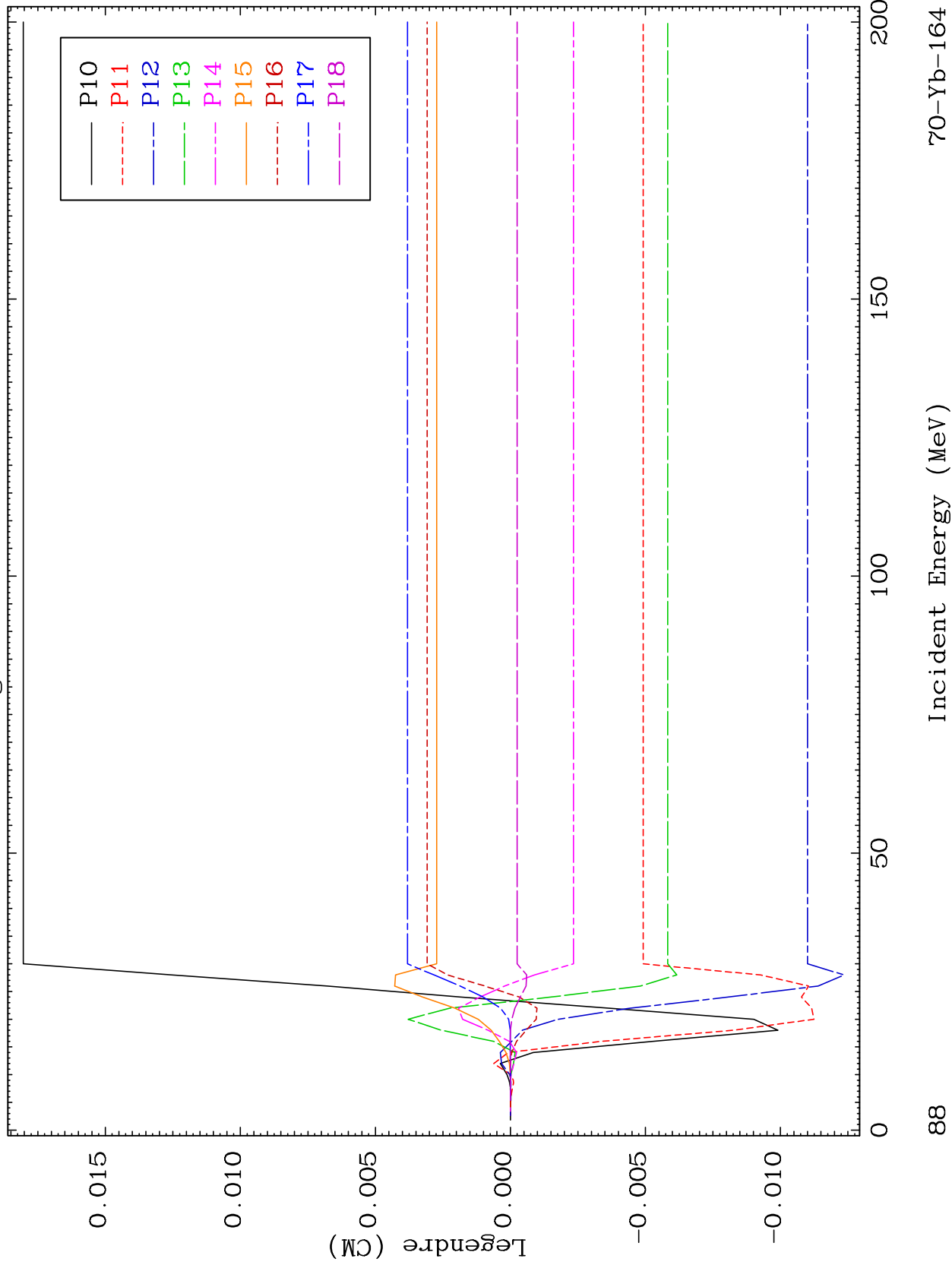
Incident Energy (MeV)

87

MAT 7013

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

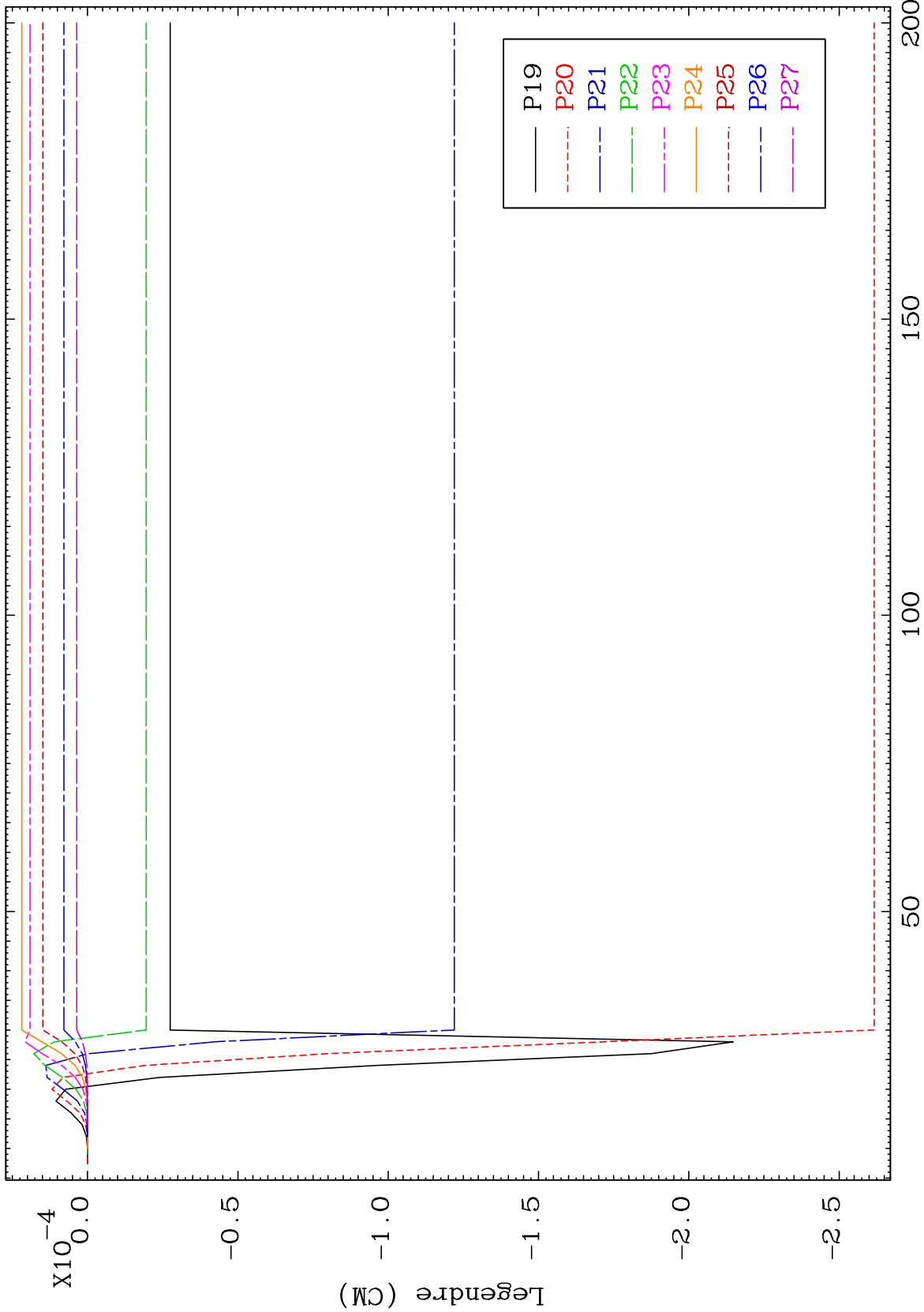
70-Yb-164



MAT 7013

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

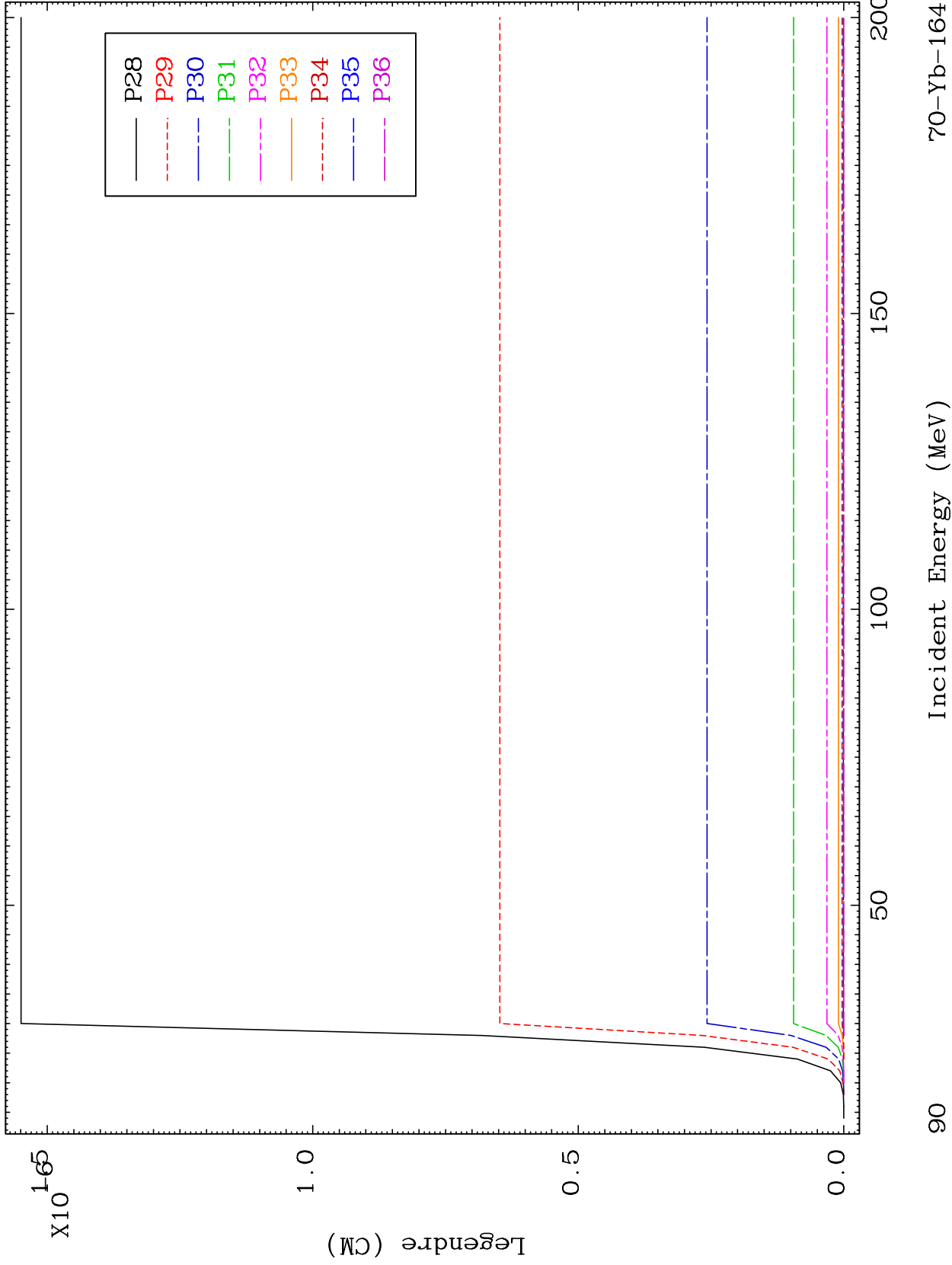
70-Yb-164



MAT 7013

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

70-Yb-164



90

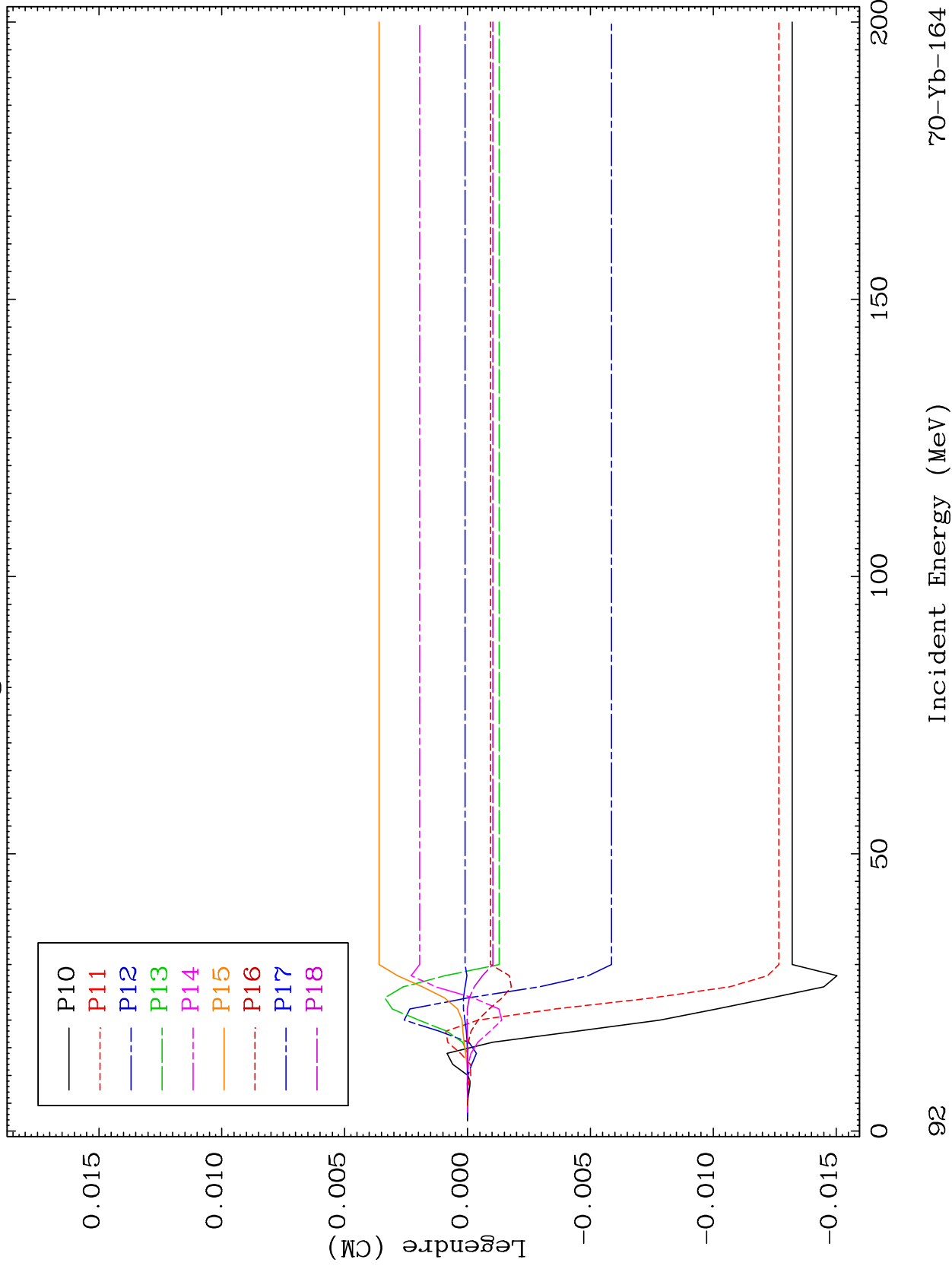
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

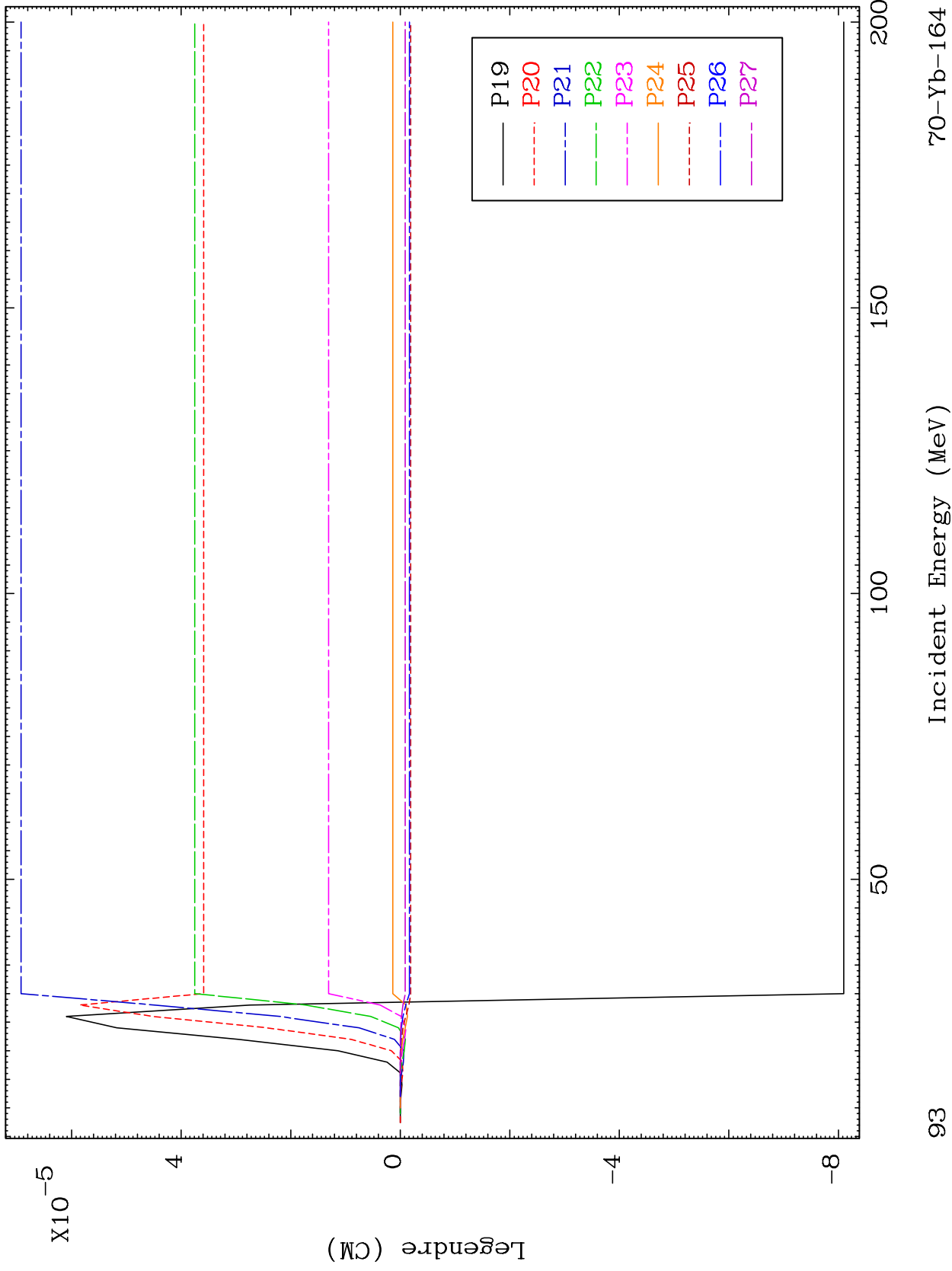
70-Yb-164

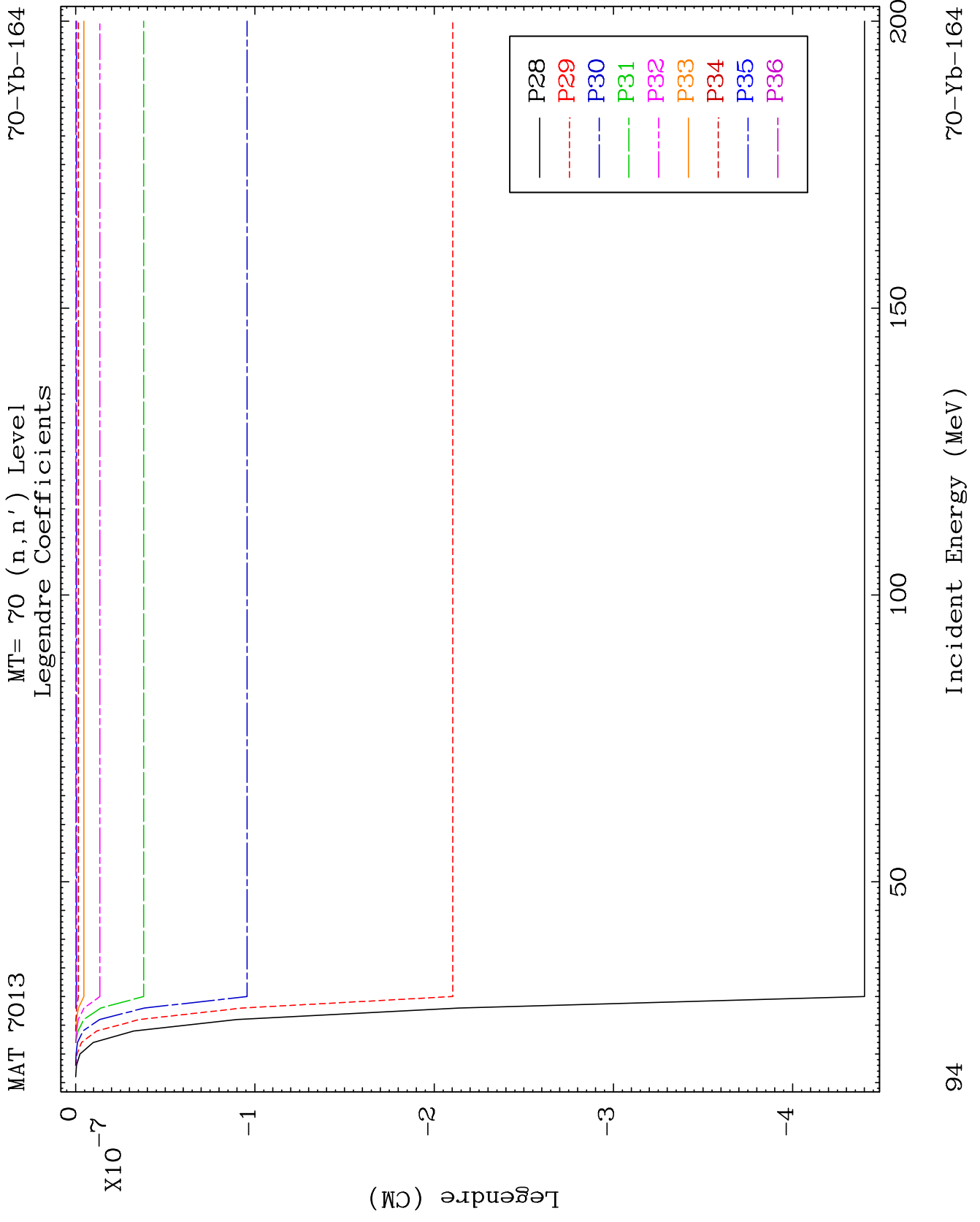


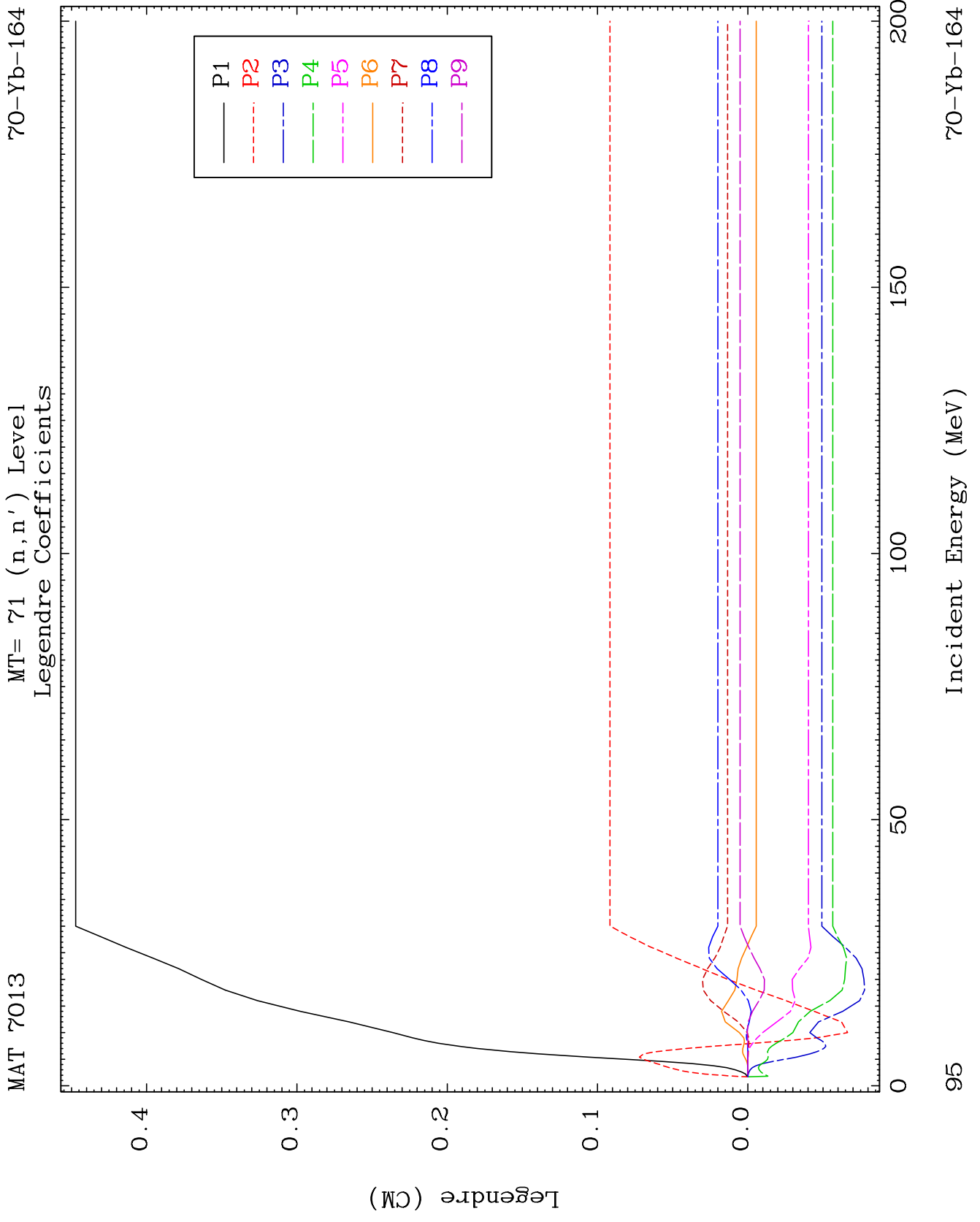
MAT 7013

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

70-Yb-164



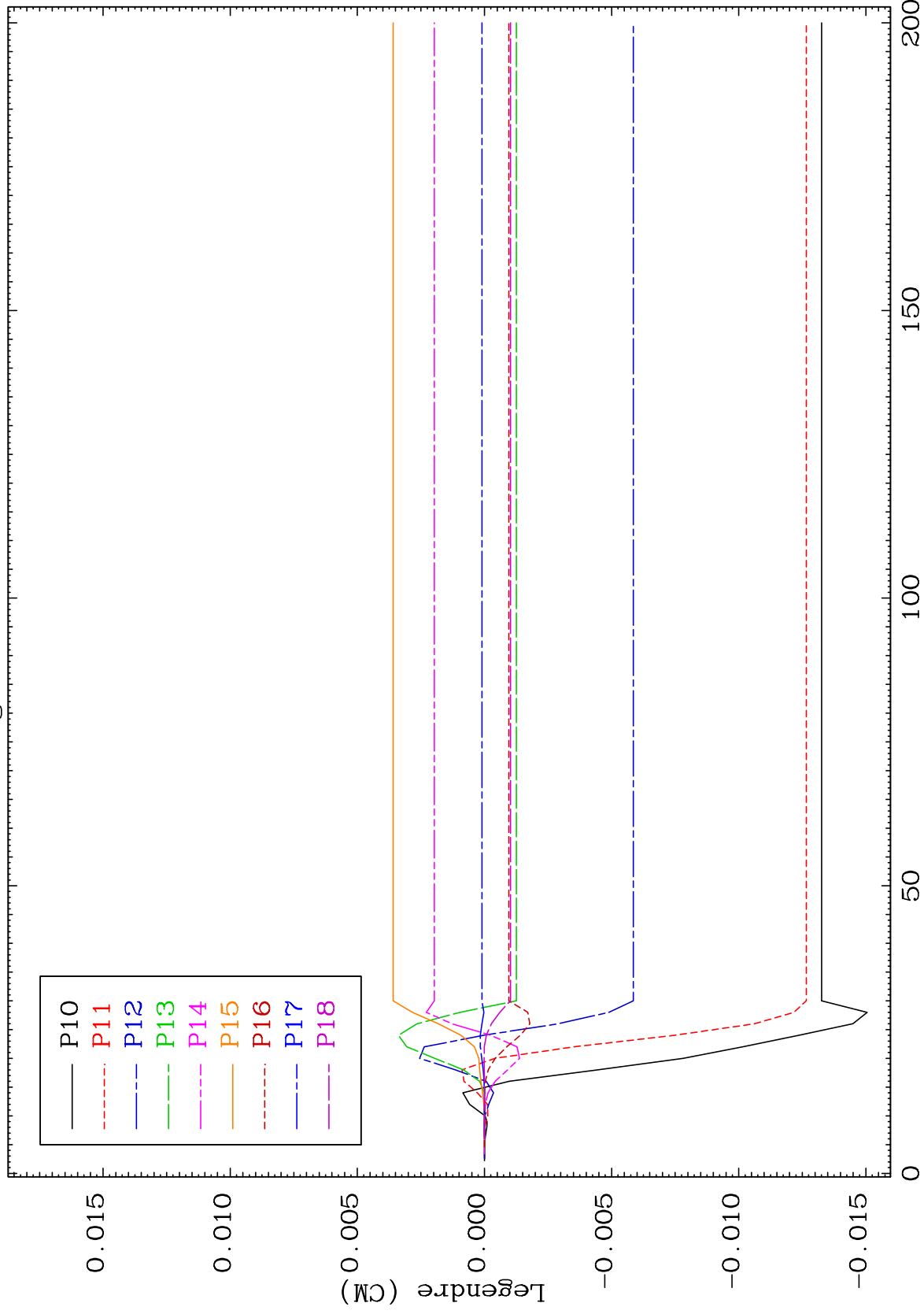




MAT 7013

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

70-Yb-164



96

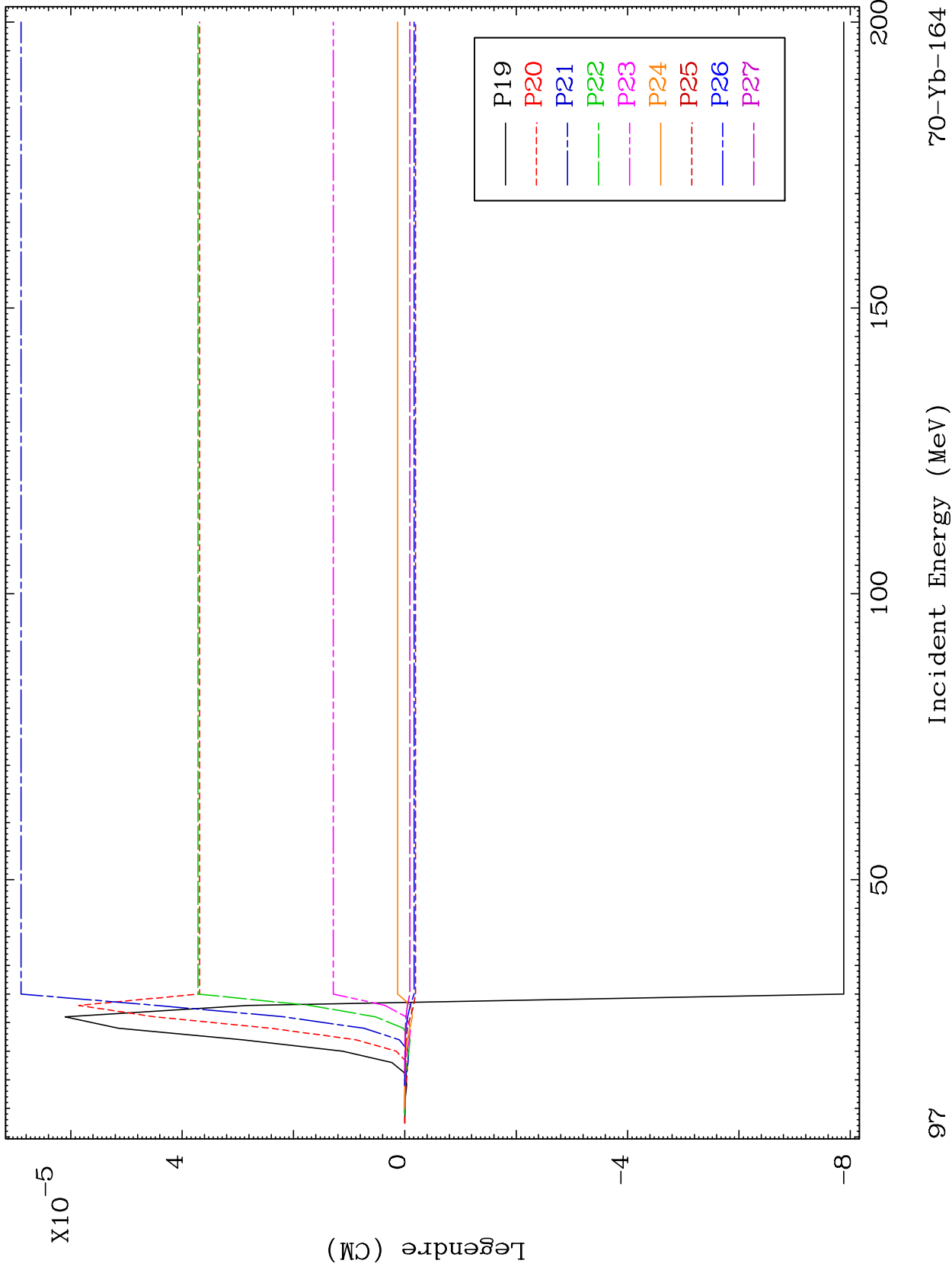
Incident Energy (MeV)

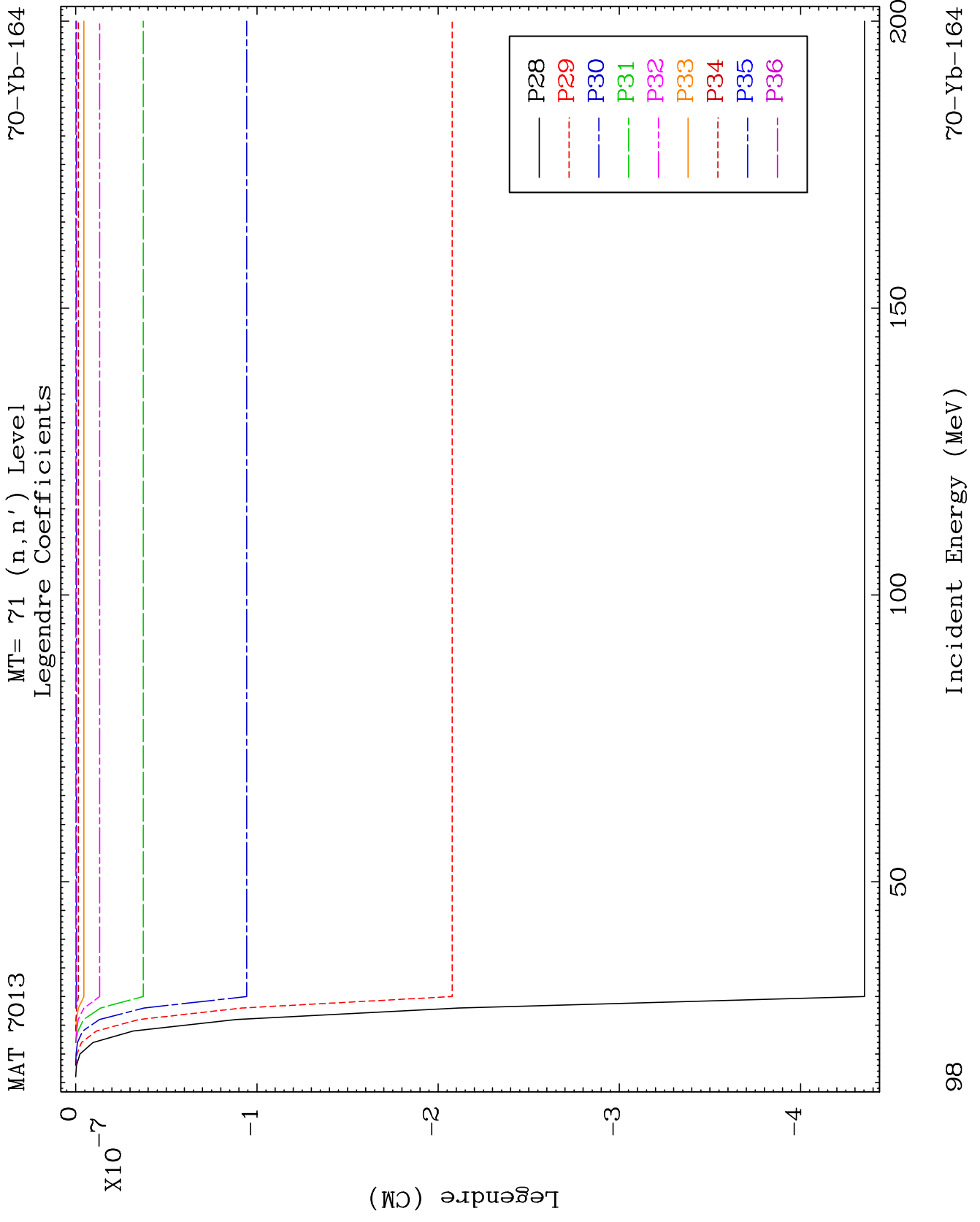
70-Yb-164

MAT 7013

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

70-Yb-164

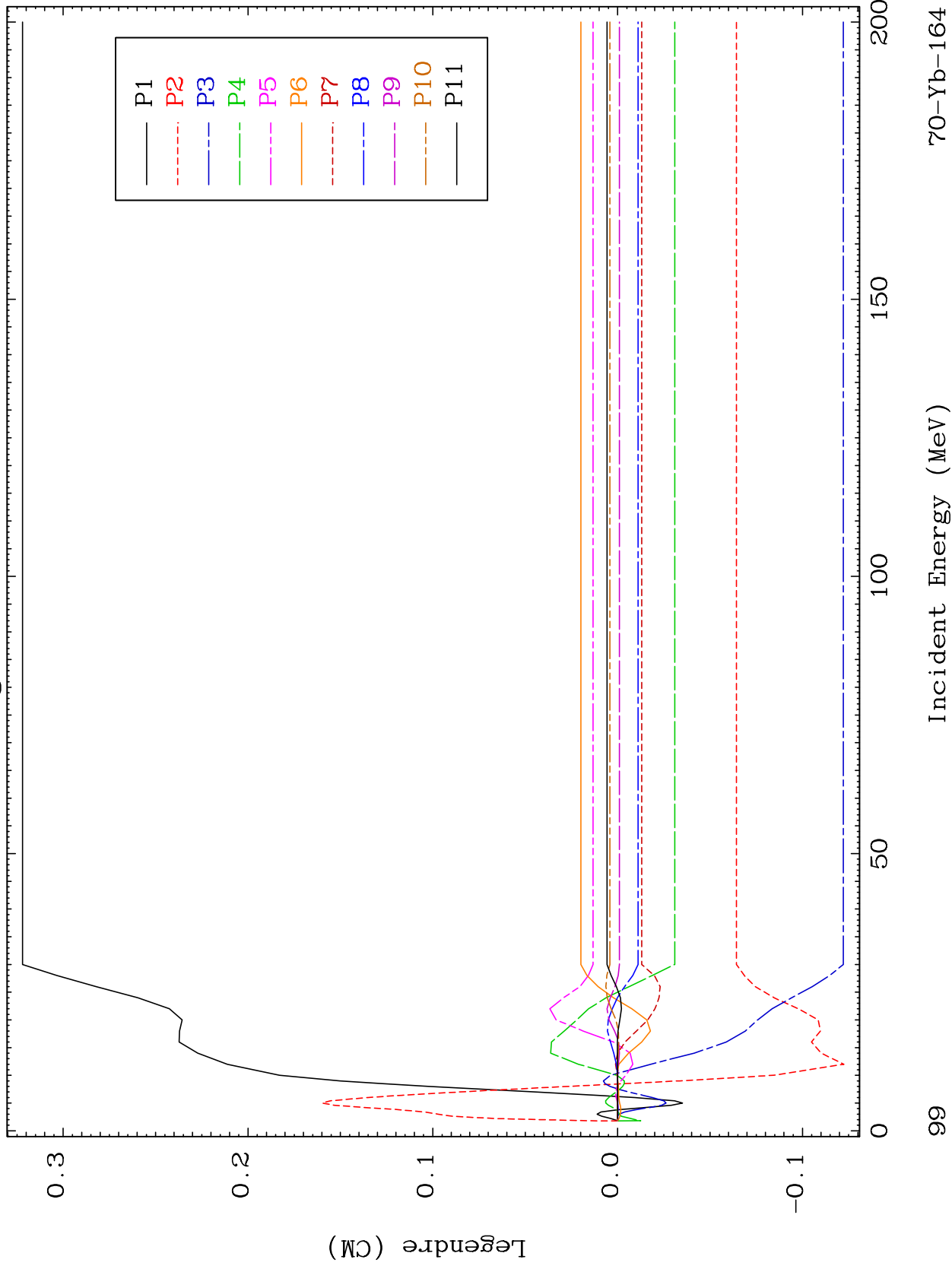




MAT 7013

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

70-Yb-164



70-Yb-164

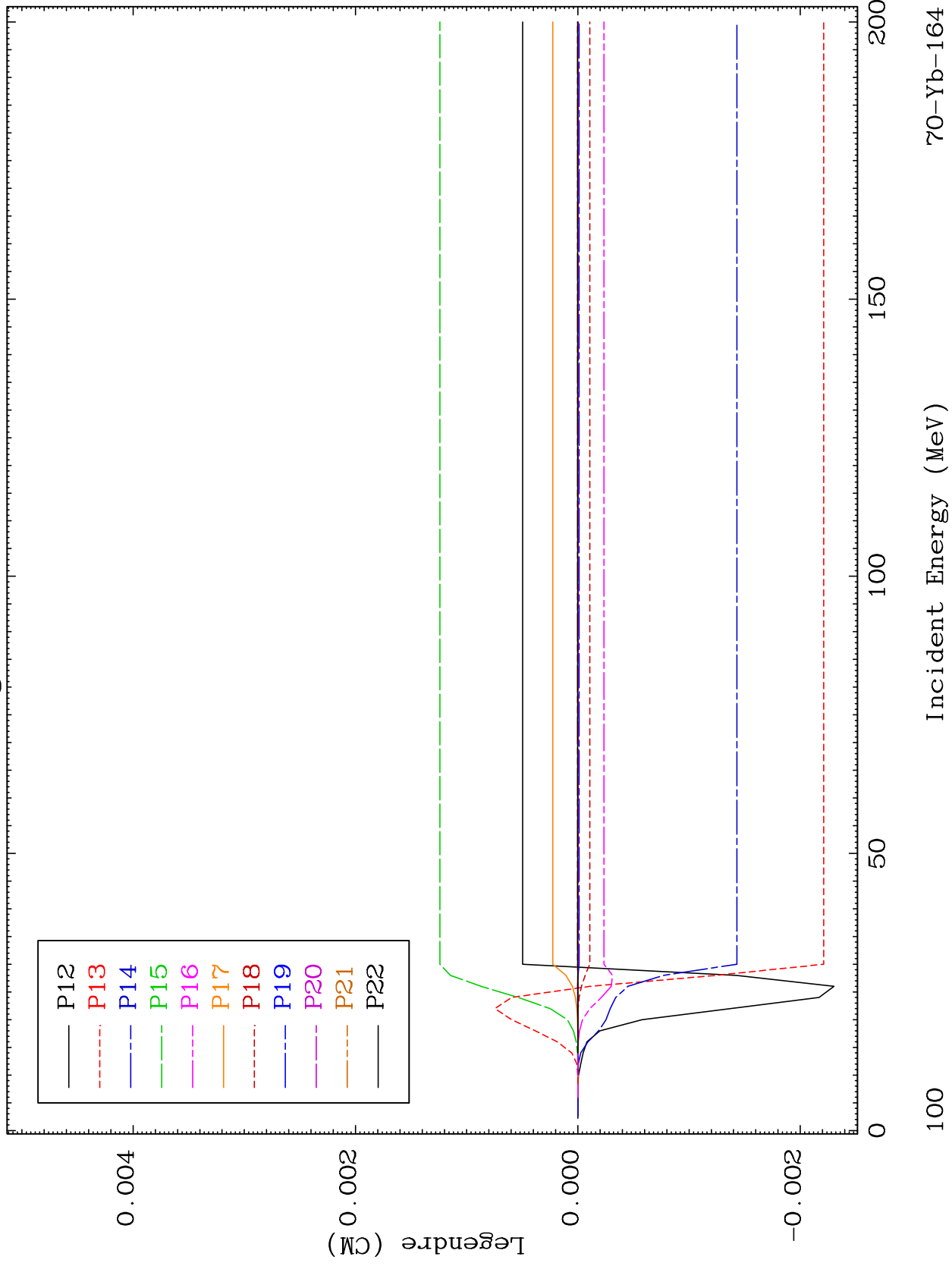
Incident Energy (MeV)

99

MAT 7013

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

70-Yb-164



70-Yb-164

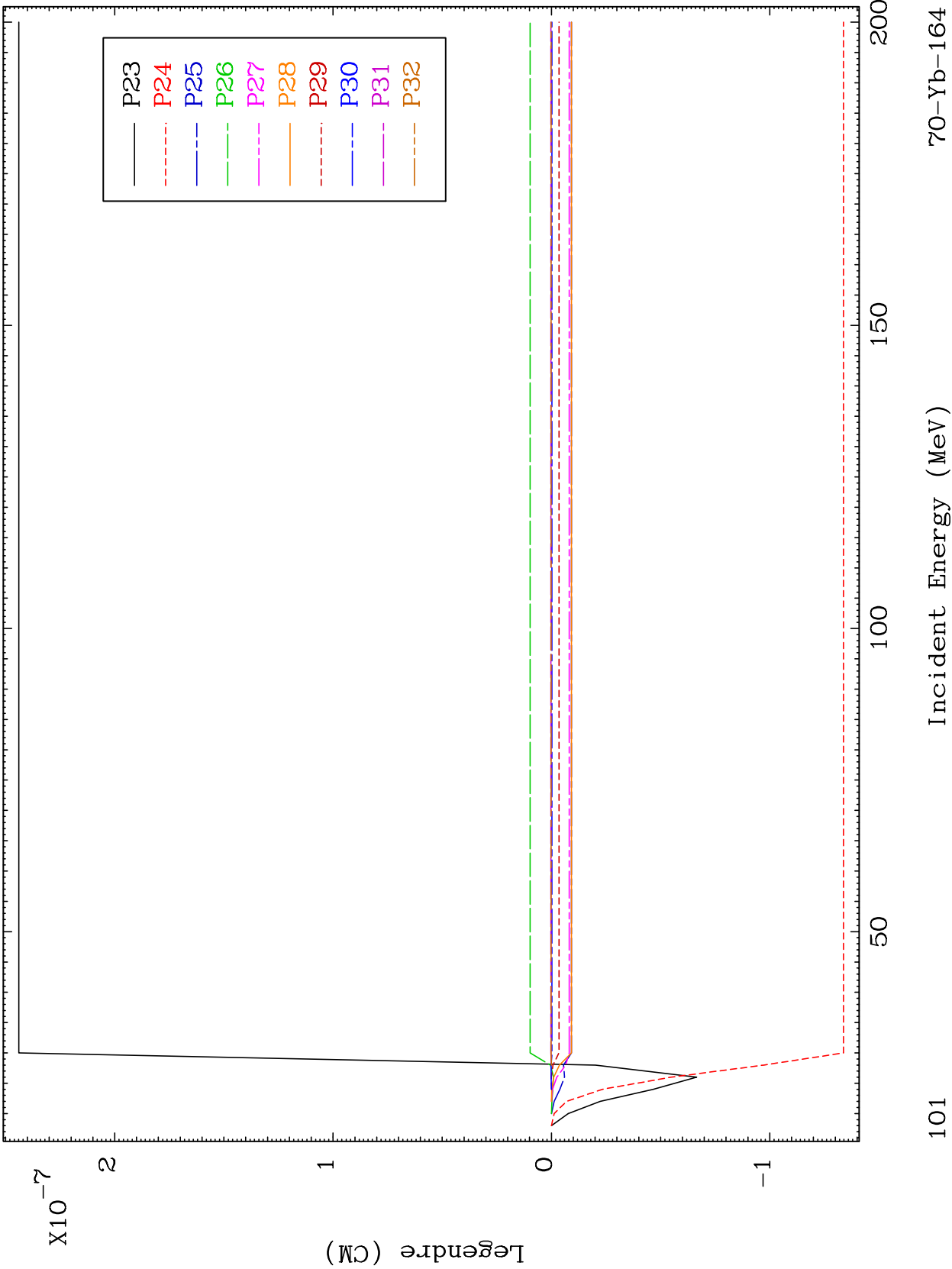
Incident Energy (MeV)

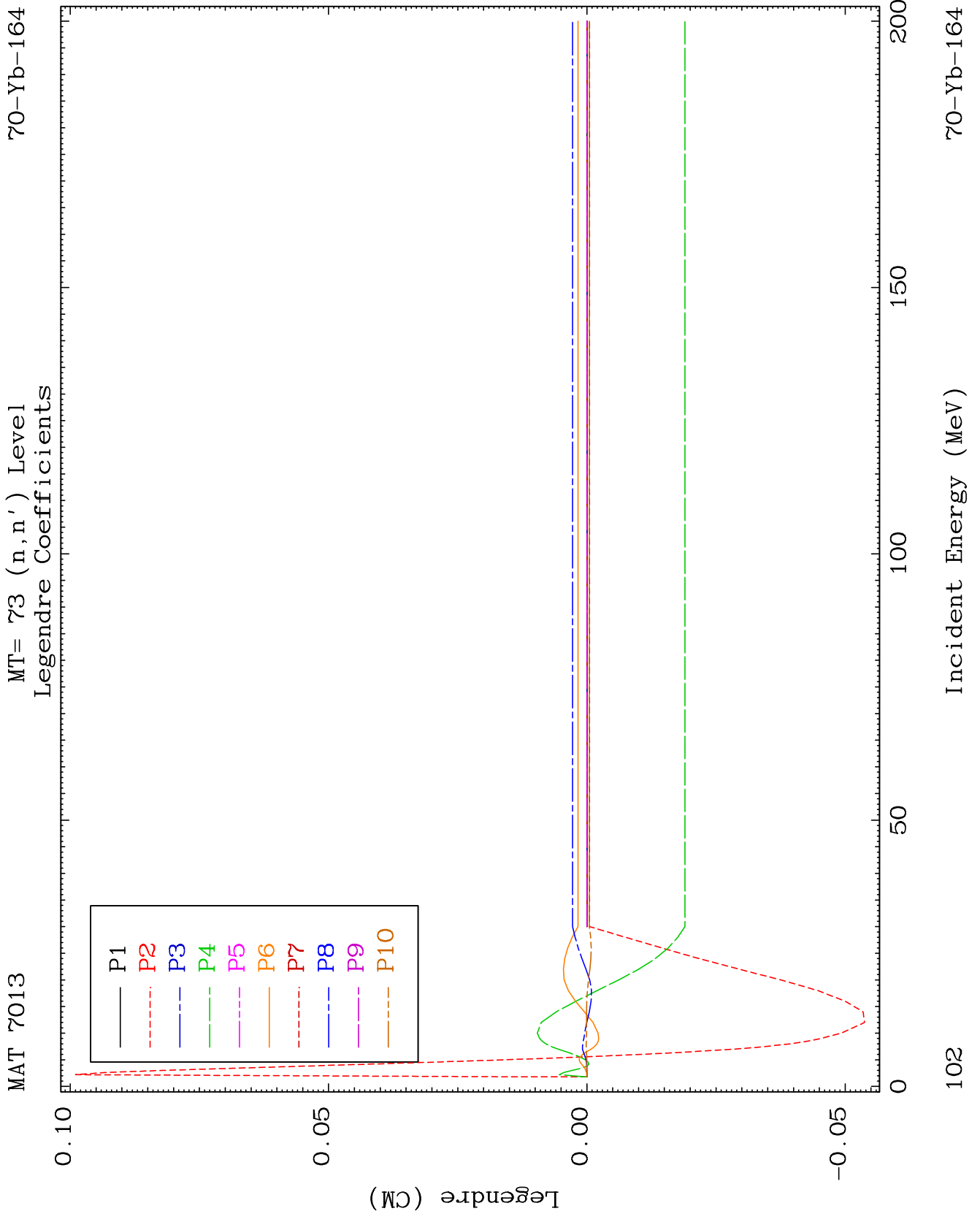
100

MAT 7013

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

70-Yb-164

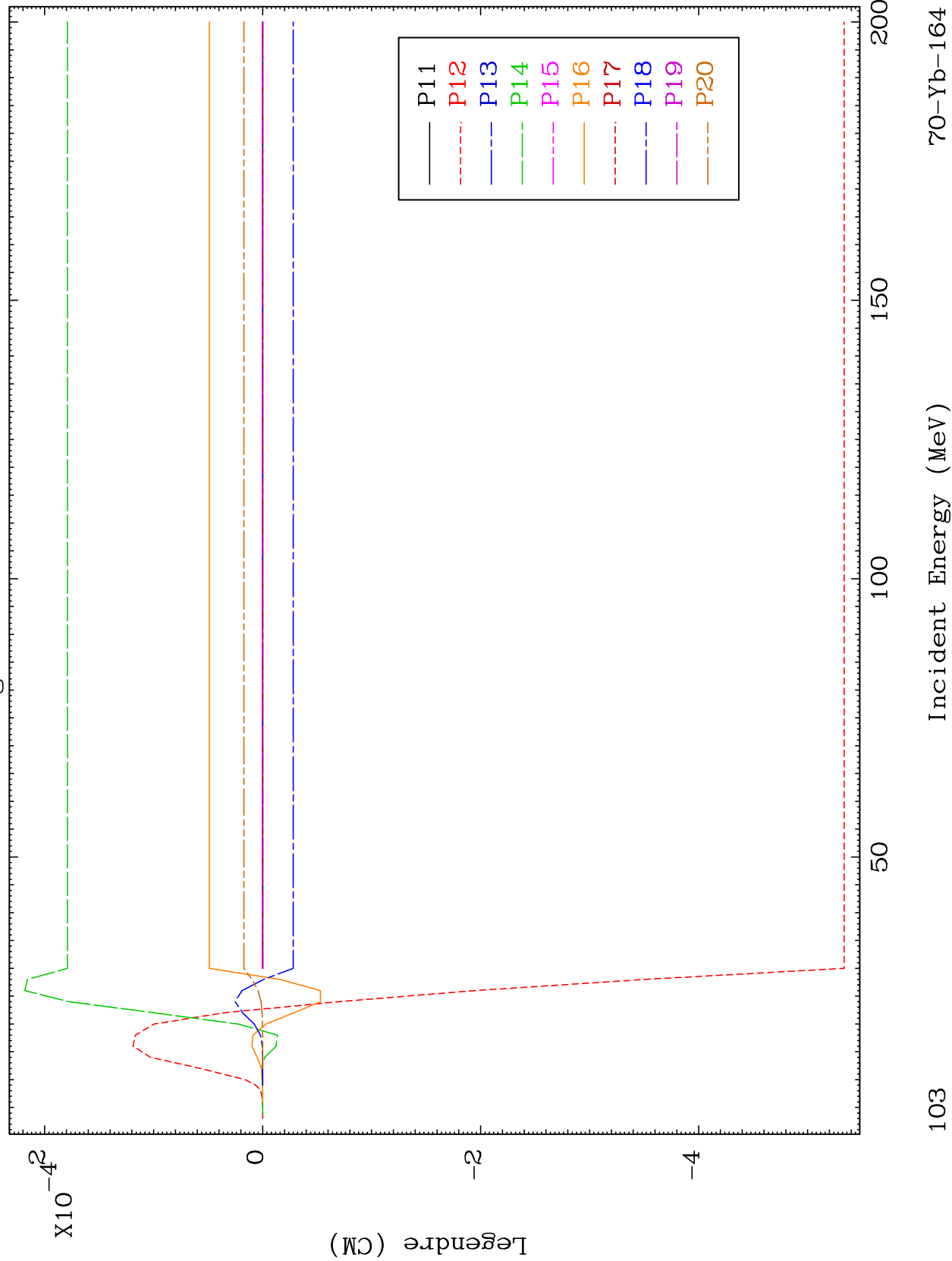




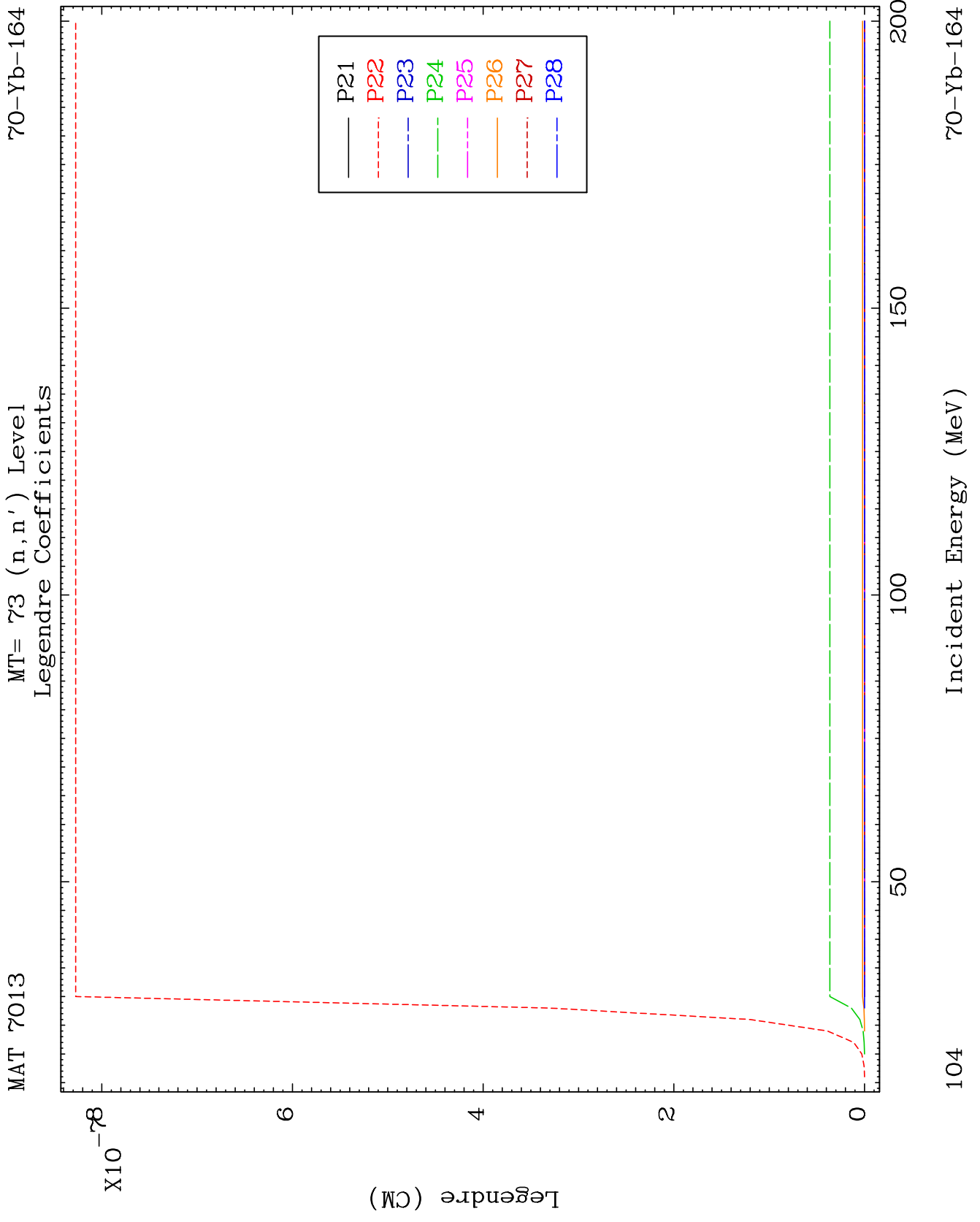
MAT 7013

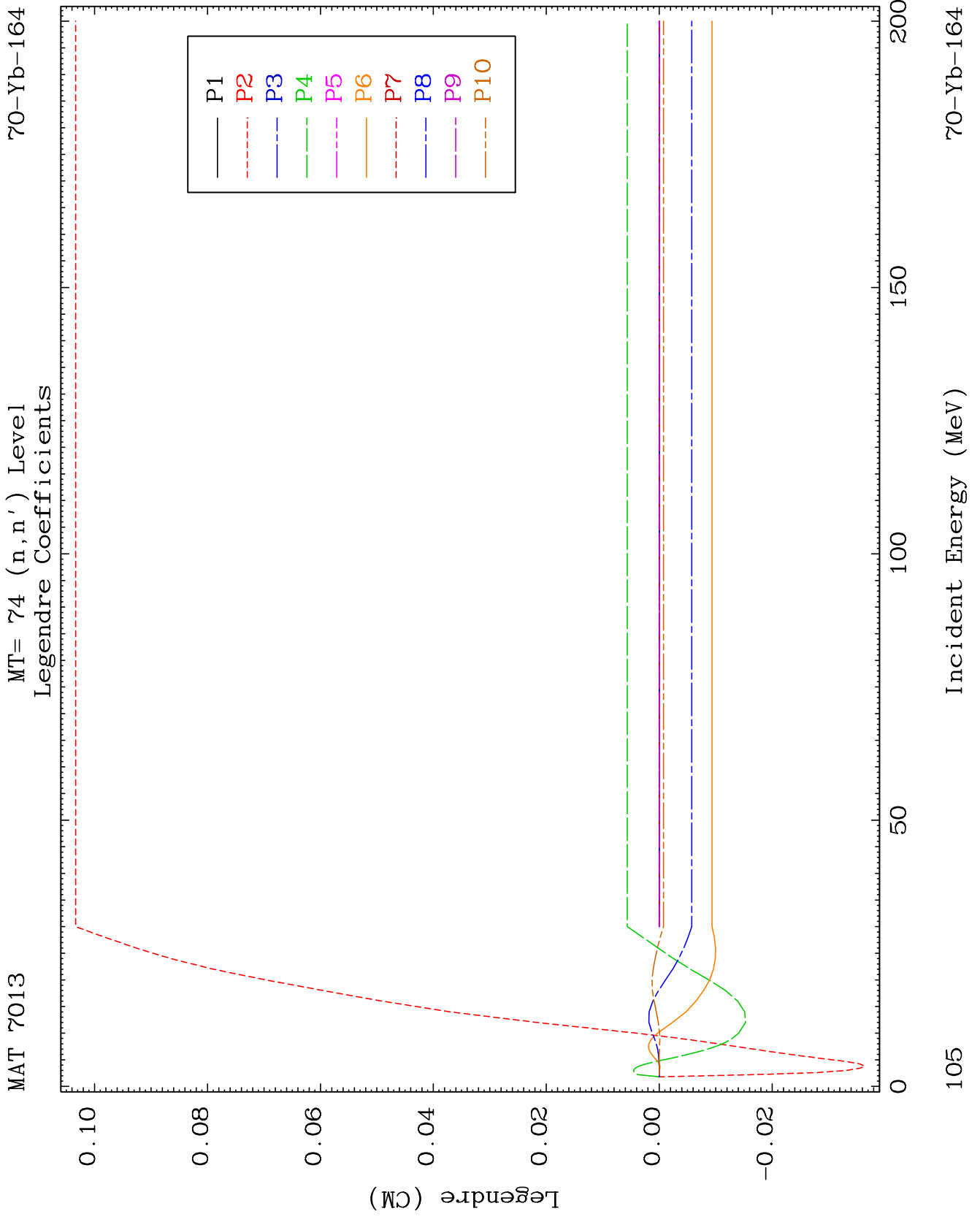
MT= 73 (n,n') Level
Legendre Coefficients

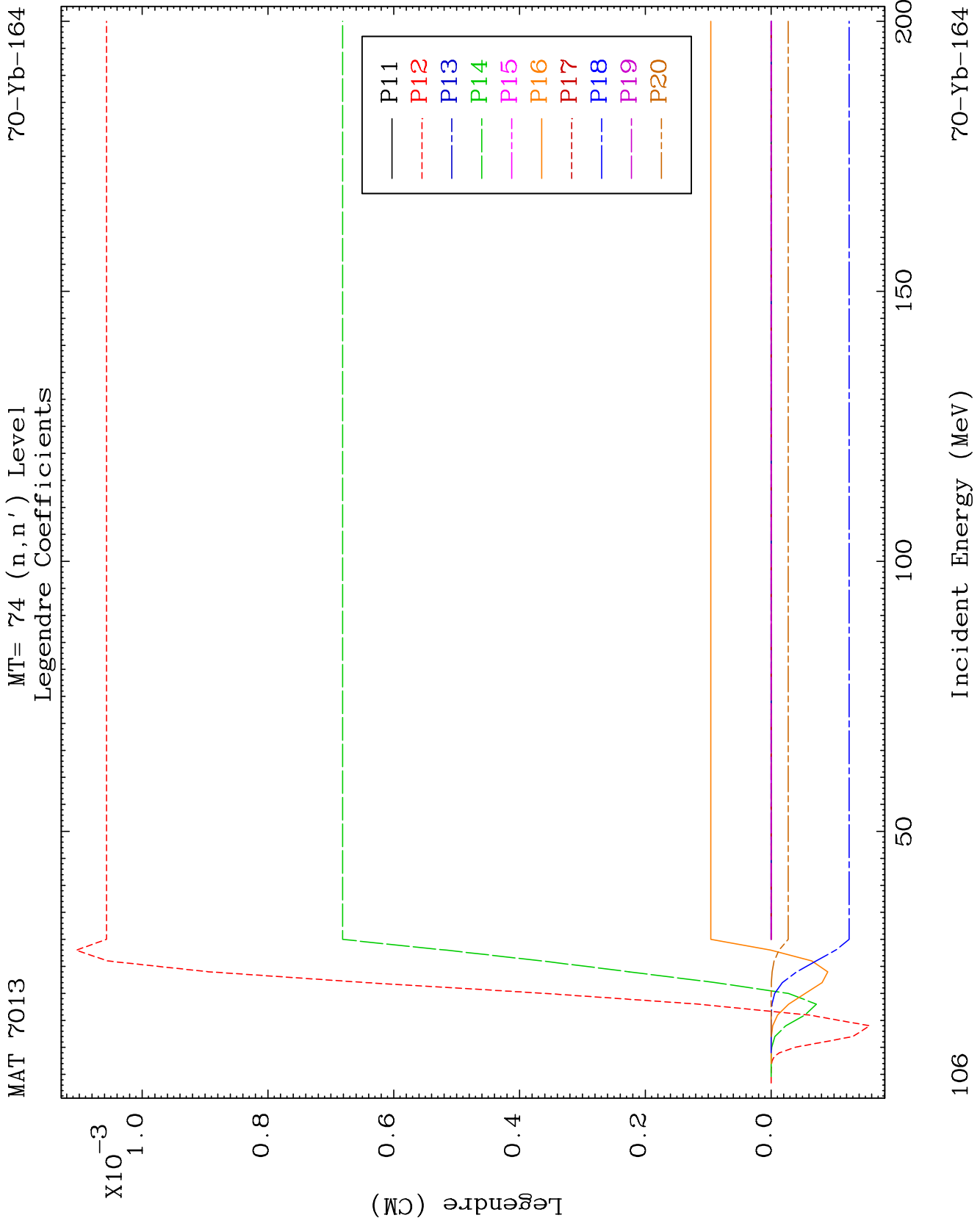
70-Yb-164

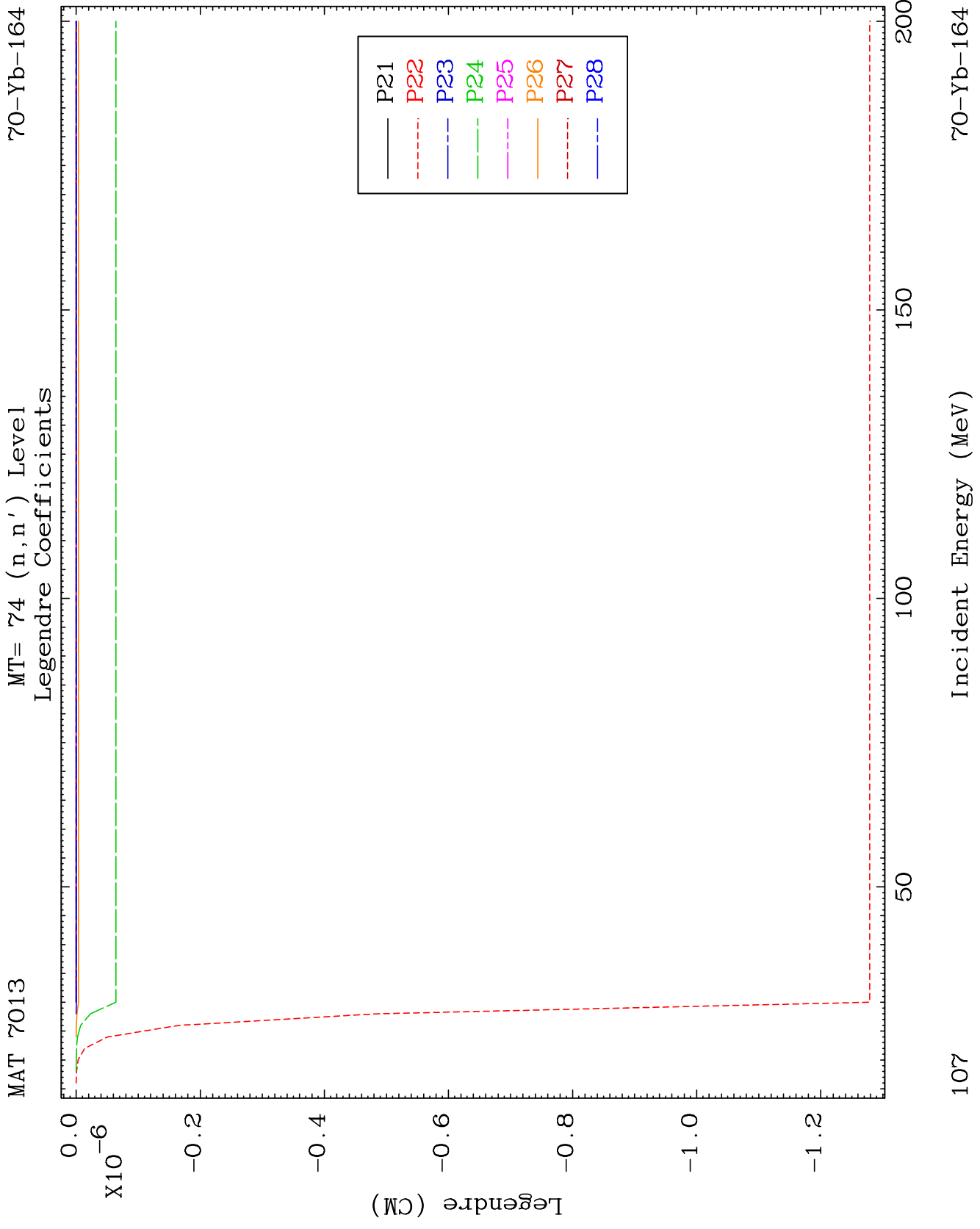


103





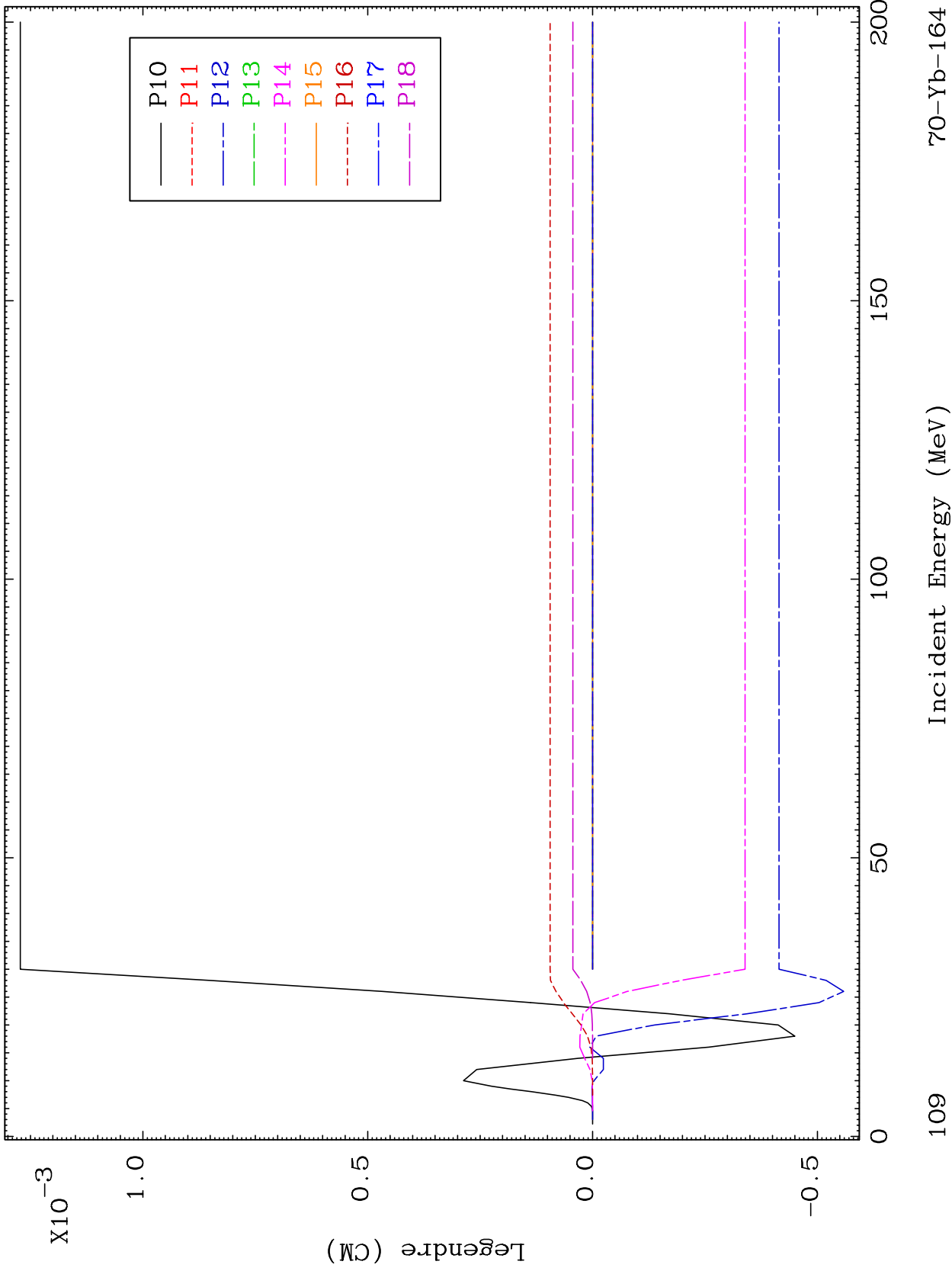




MAT 7013

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

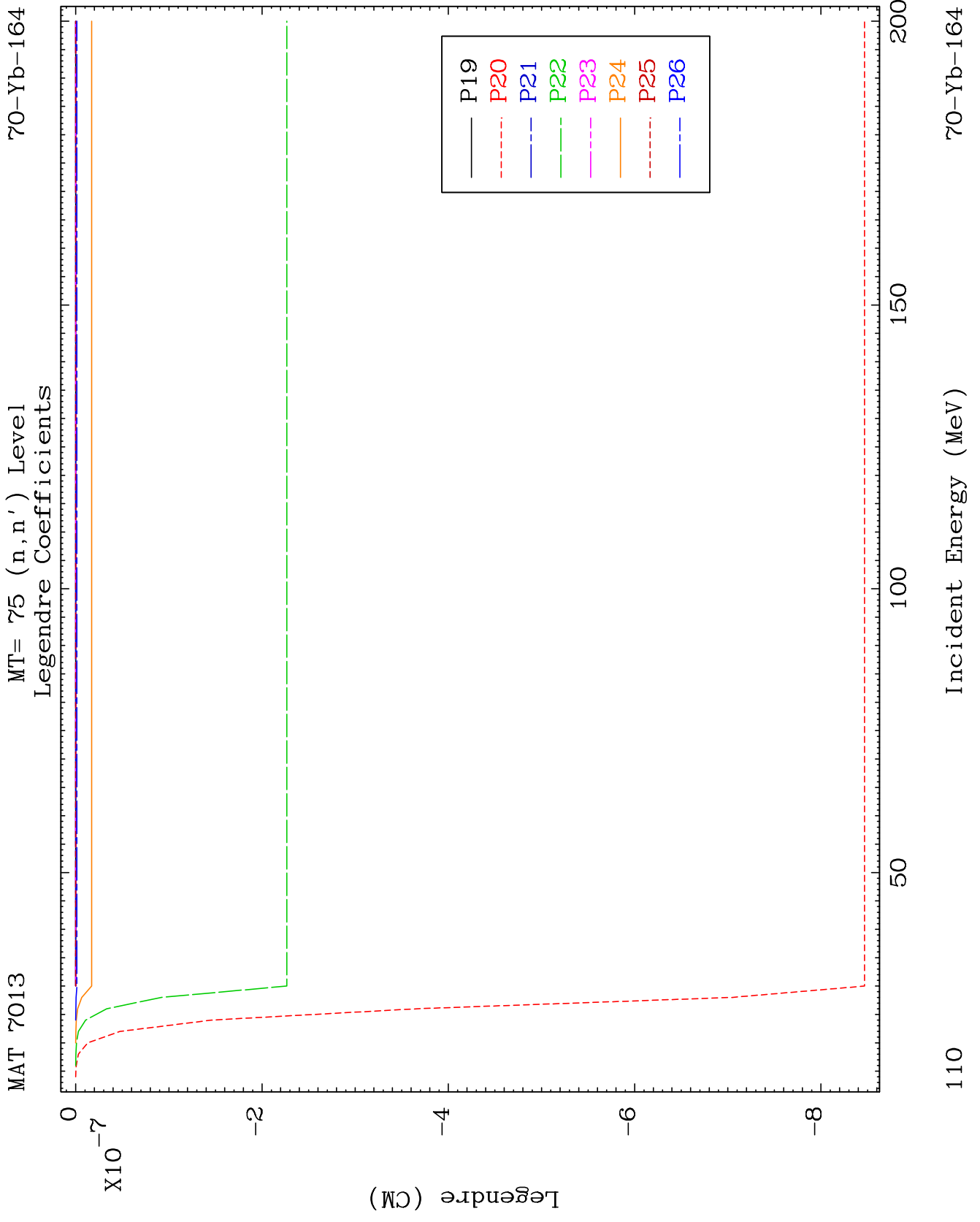
70-Yb-164



109

Incident Energy (MeV)

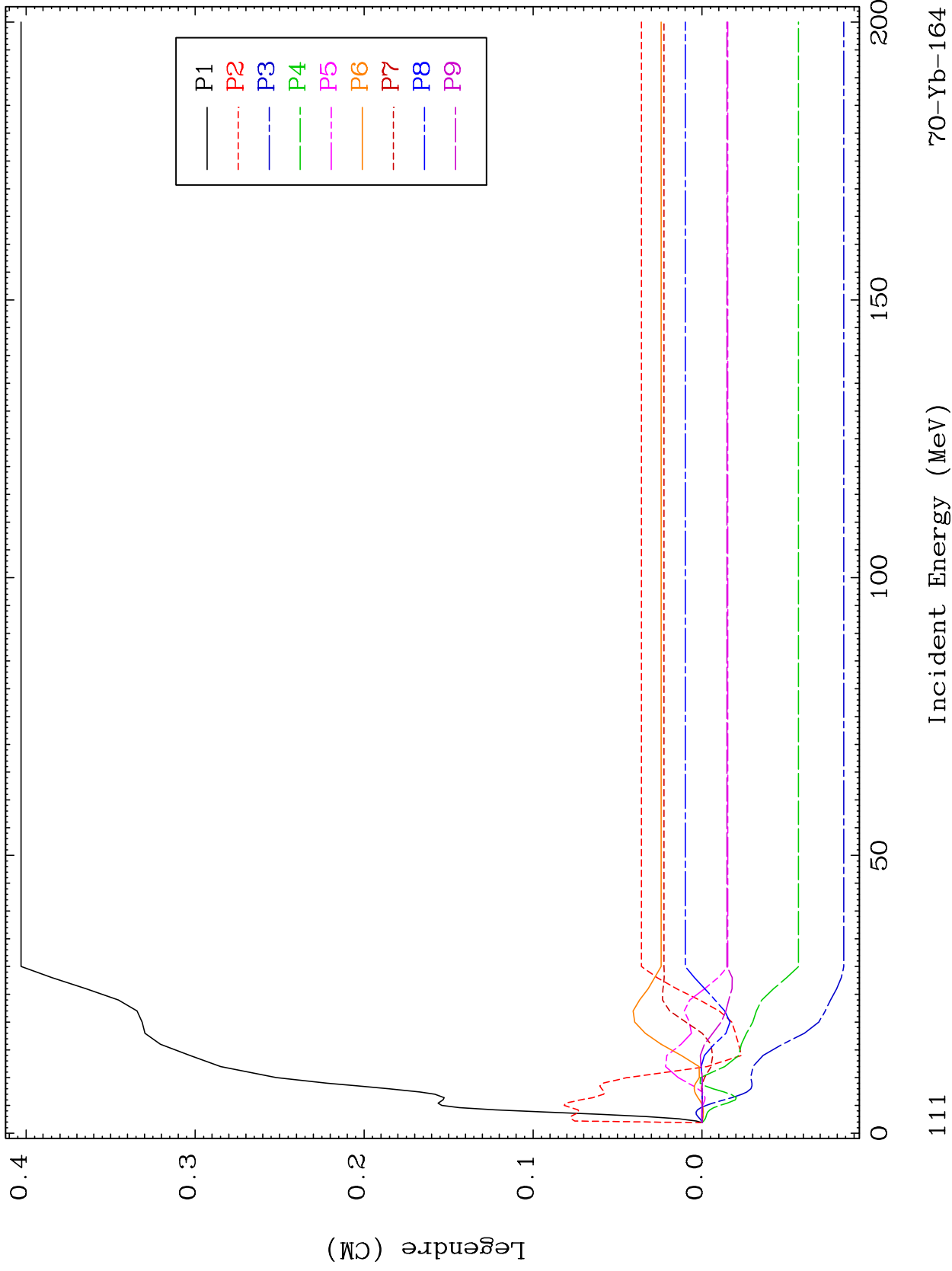
70-Yb-164



MAT 7013

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

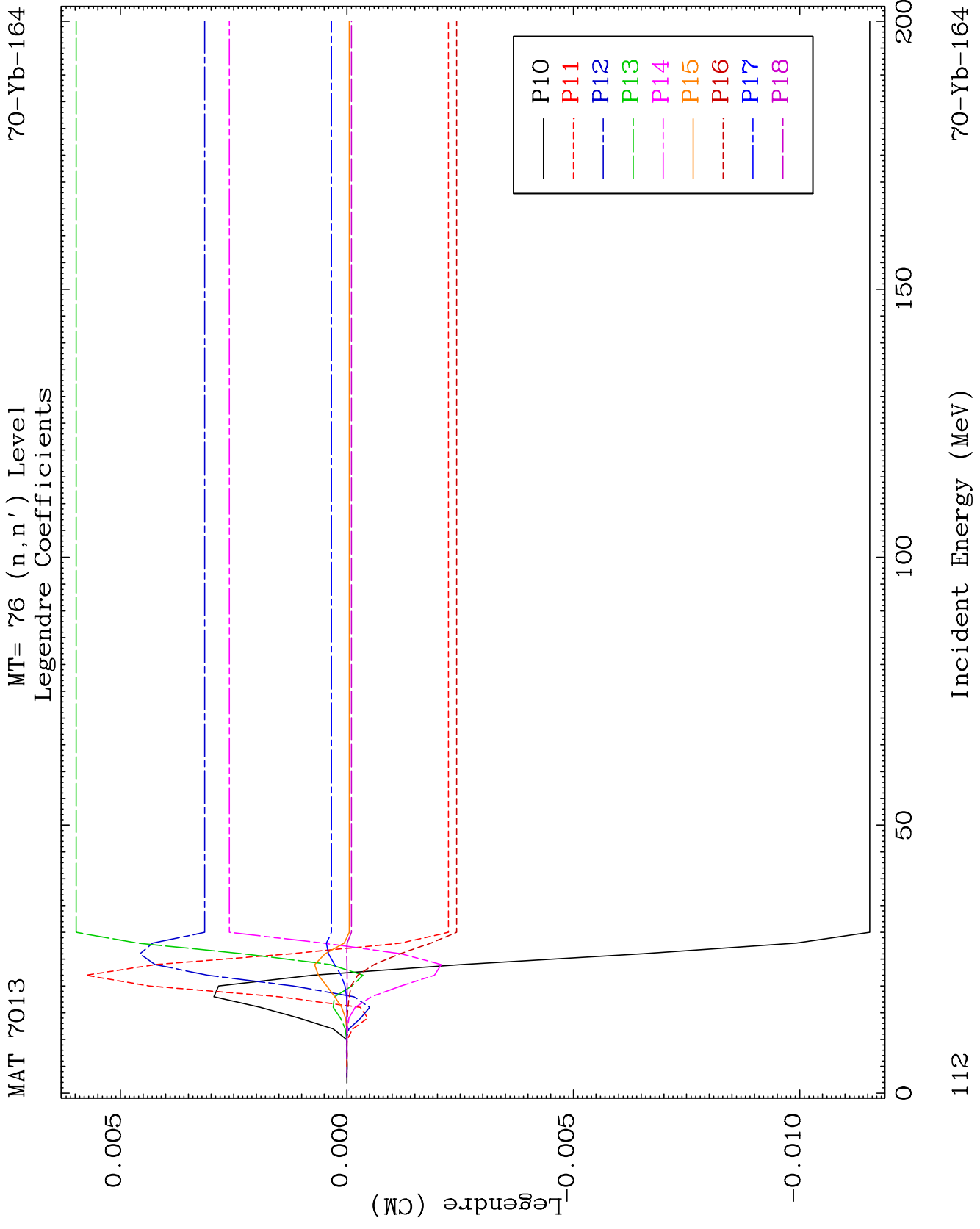
70-Yb-164



111

Incident Energy (MeV)

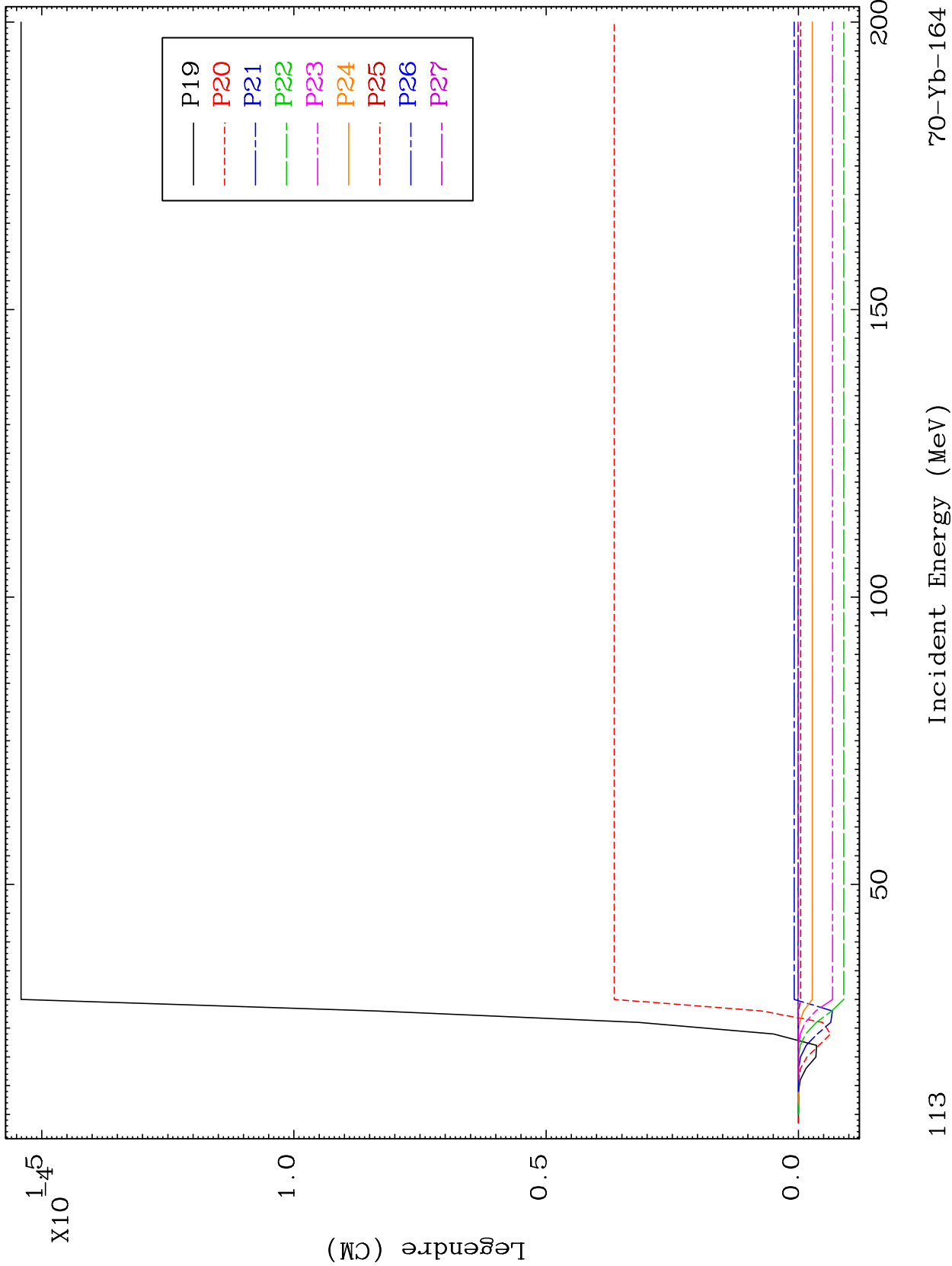
70-Yb-164



MAT 7013

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

70-Yb-164



113

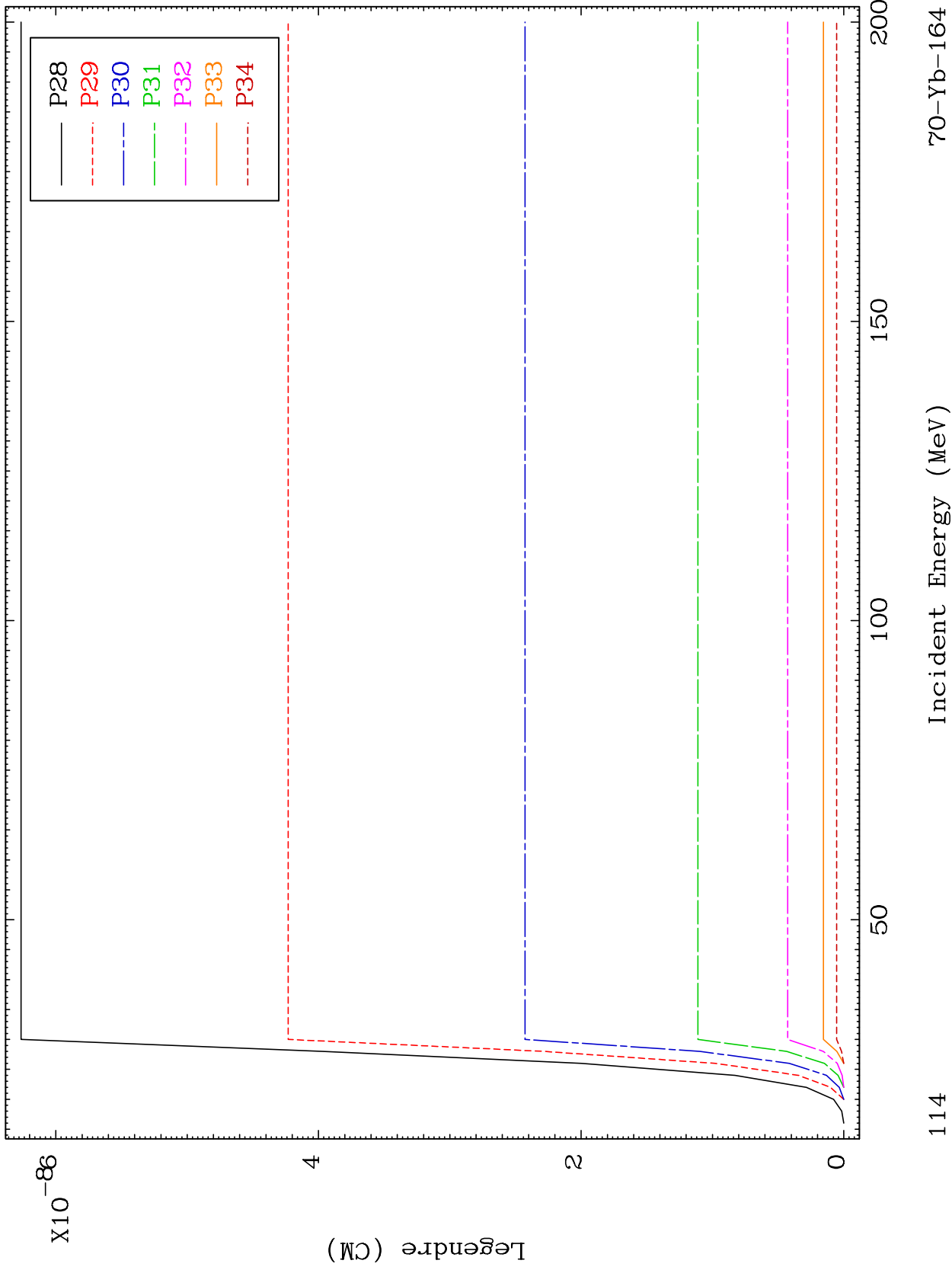
Incident Energy (MeV)

70-Yb-164

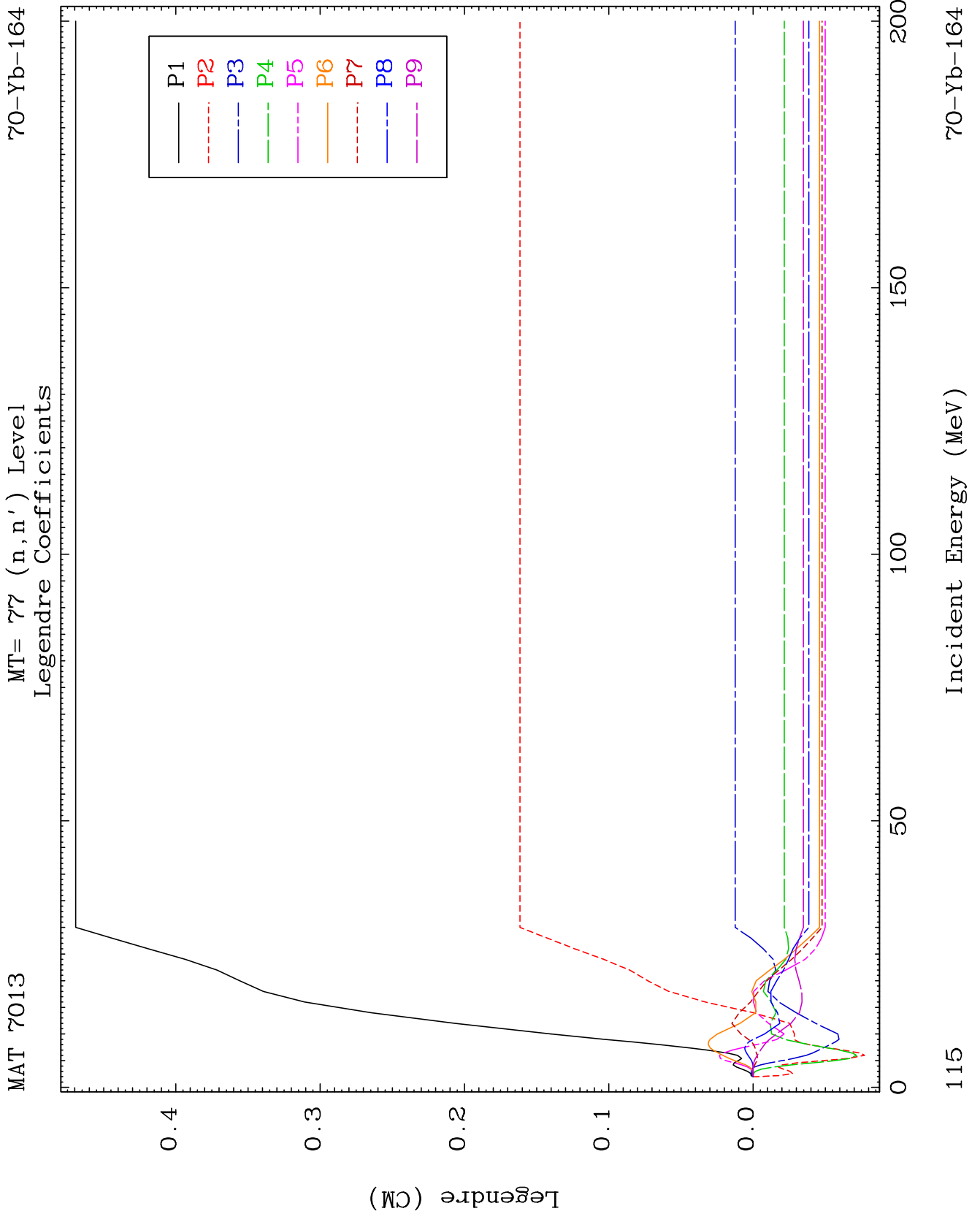
MAT 7013

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

70-Yb-164



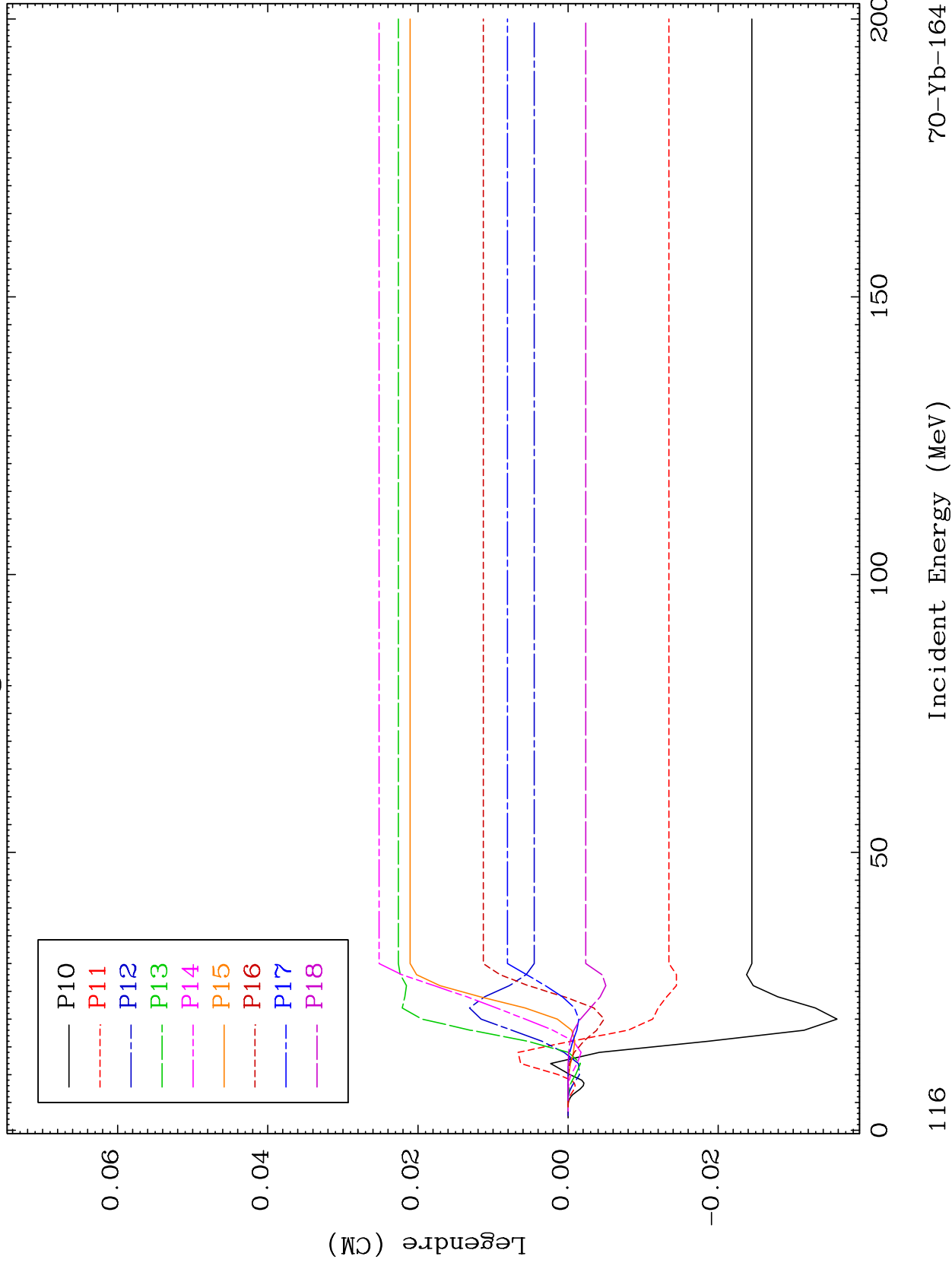
114



MAT 7013

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

70-Yb-164



116

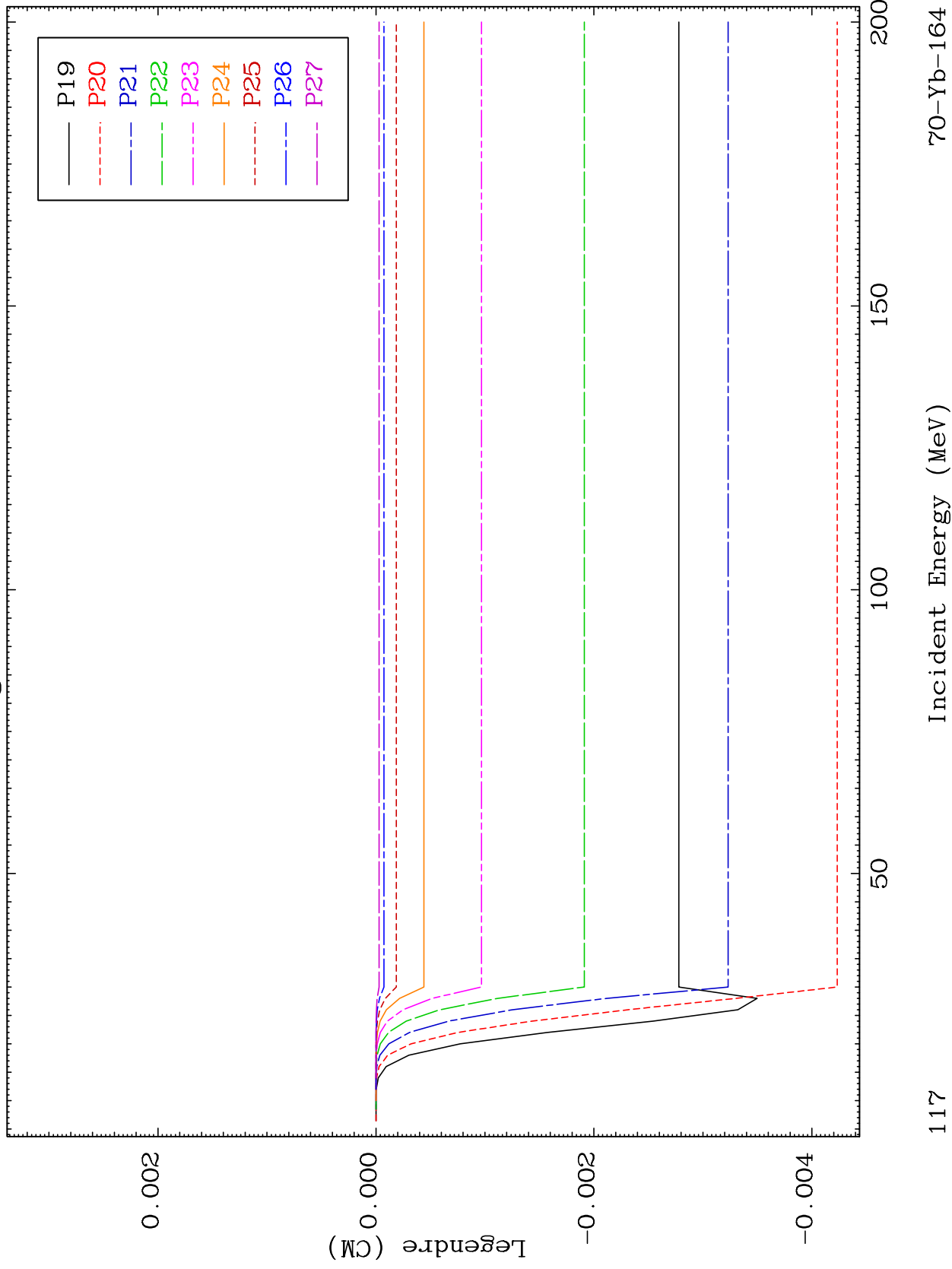
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

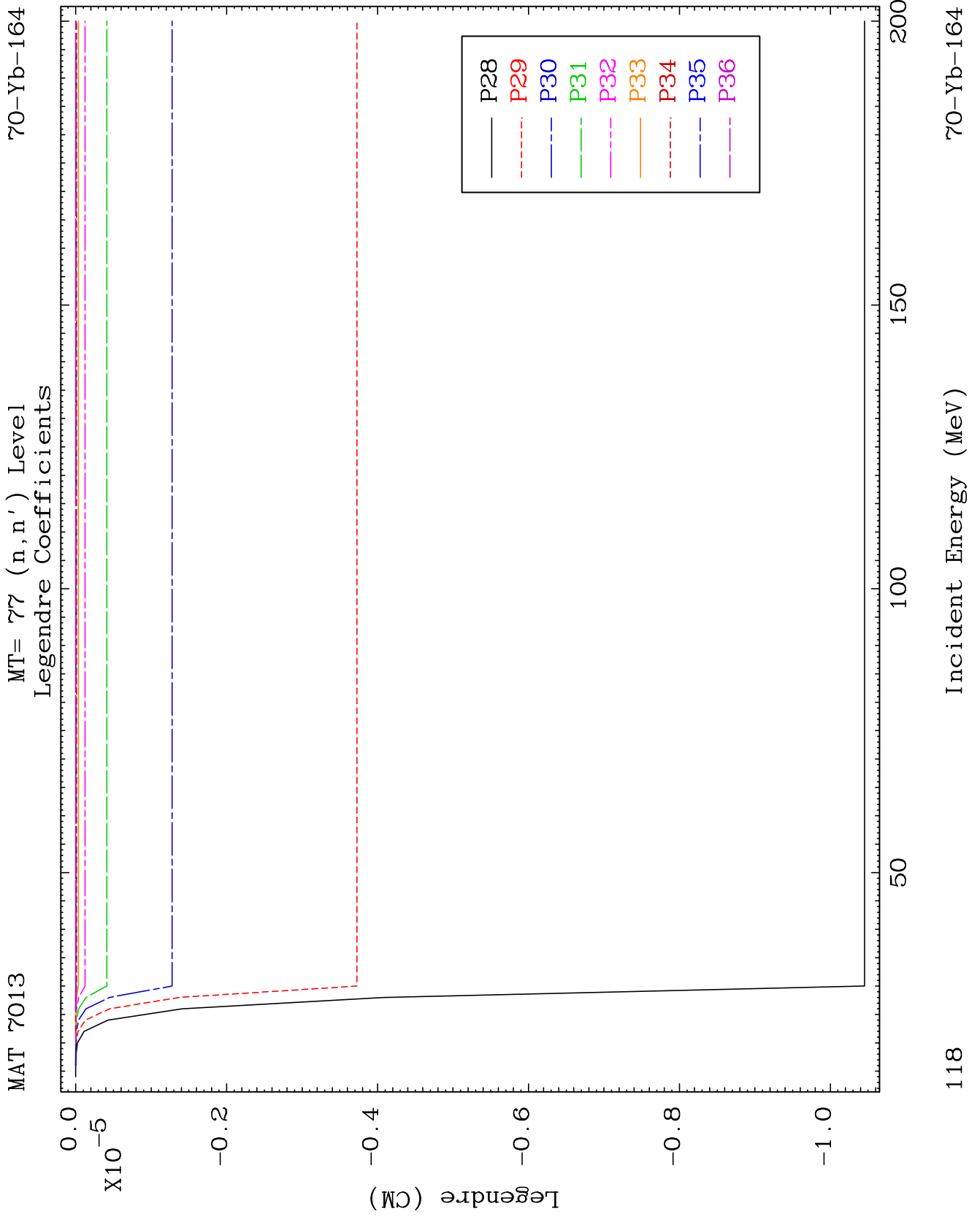
70-Yb-164

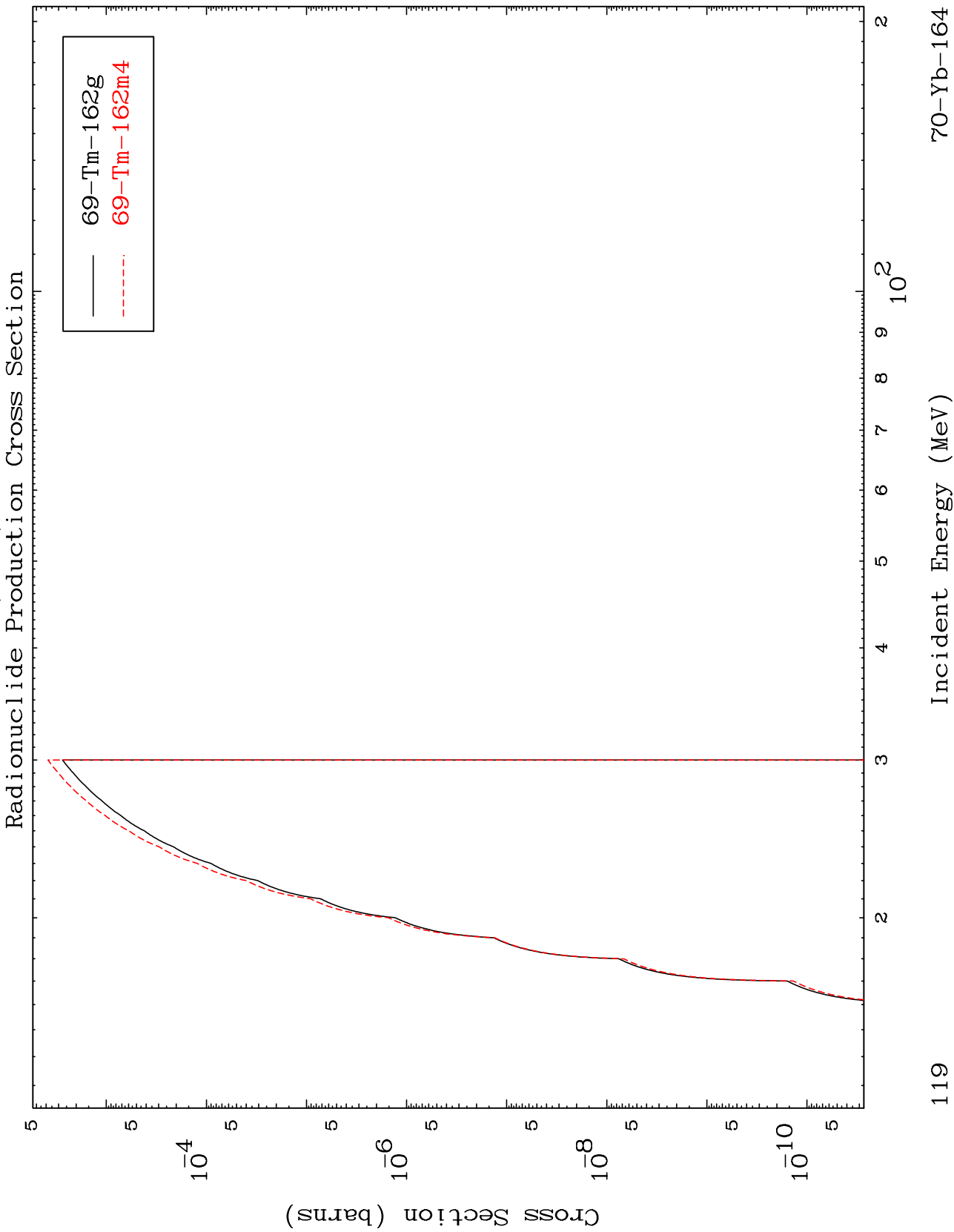


117

Incident Energy (MeV)

70-Yb-164



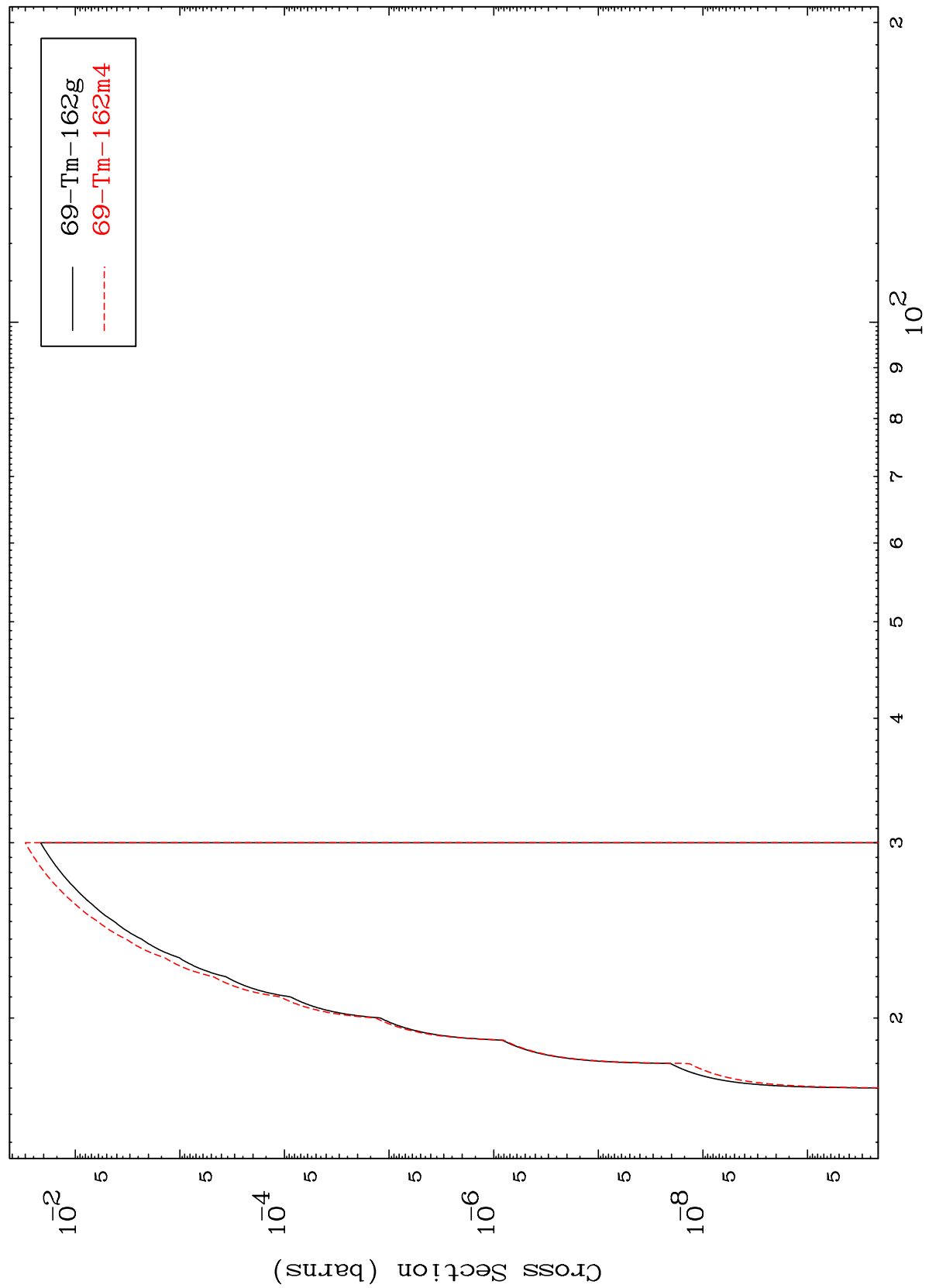


MAT 7013

(n,2n) p

70-Yb-164

Radionuclide Production Cross Section



120

Incident Energy (MeV)

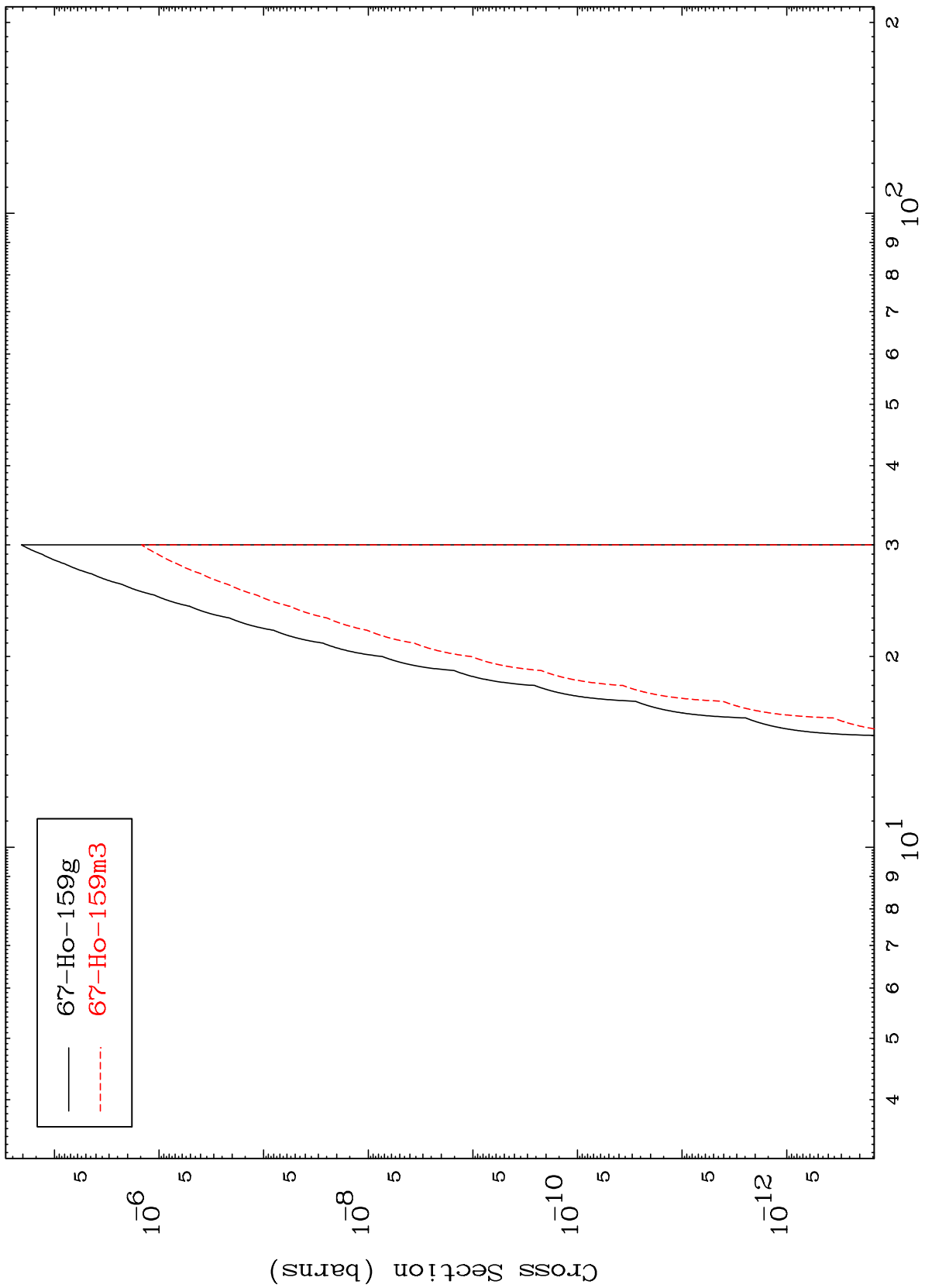
70-Yb-164

MAT 7013

(n,n') p α

70-Yb-164

Radionuclide Production Cross Section



121

Incident Energy (MeV)

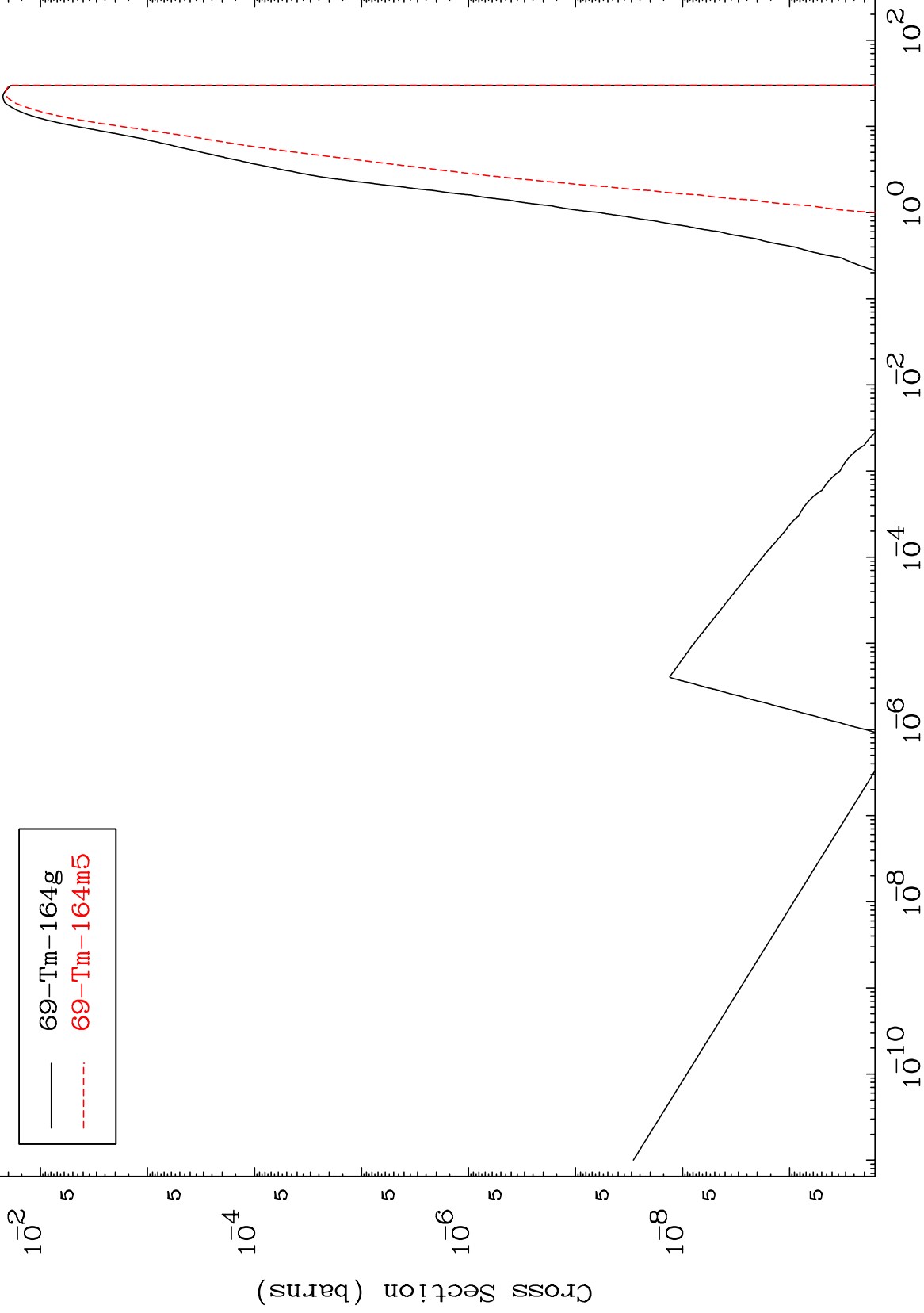
70-Yb-164

MAT 7013

(n,p)

70-Yb-164

Radionuclide Production Cross Section



122

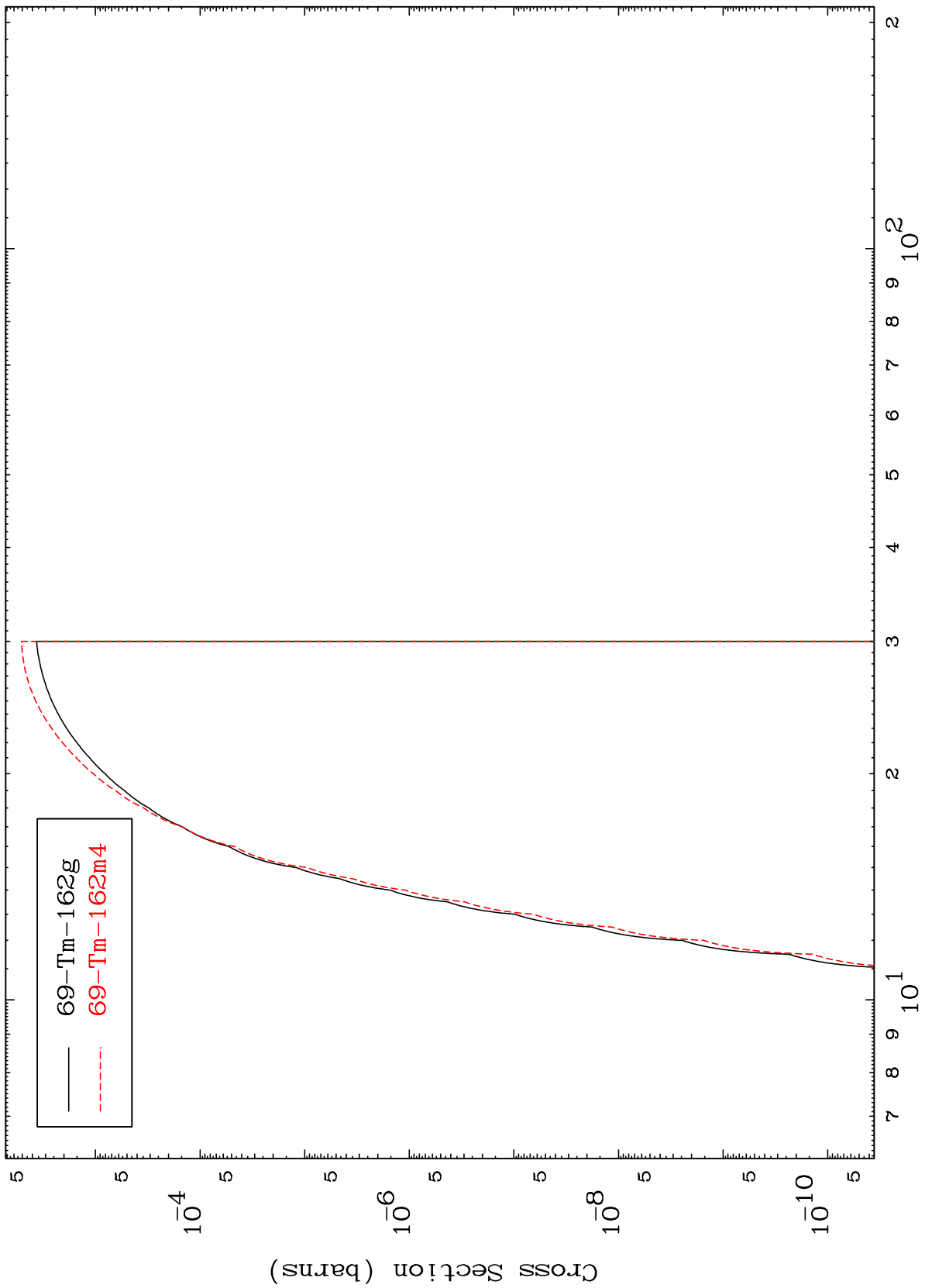
Incident Energy (MeV)

70-Yb-164

MAT 7013

70-Yb-164

(n,t)
Radionuclide Production Cross Section



123

Incident Energy (MeV)

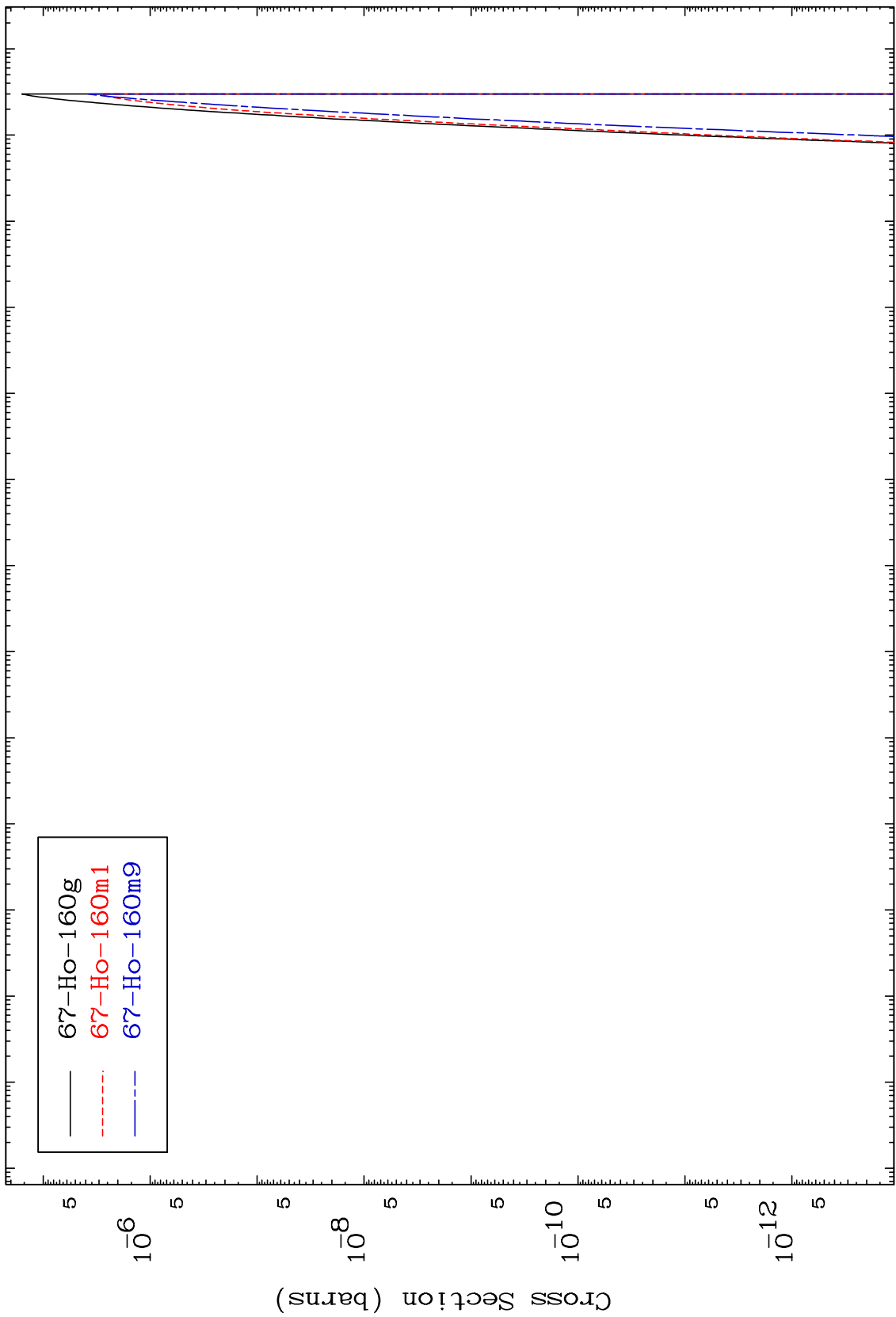
70-Yb-164

MAT 7013

(n,p) α

$^{70}\text{Yb-164}$

Radionuclide Production Cross Section



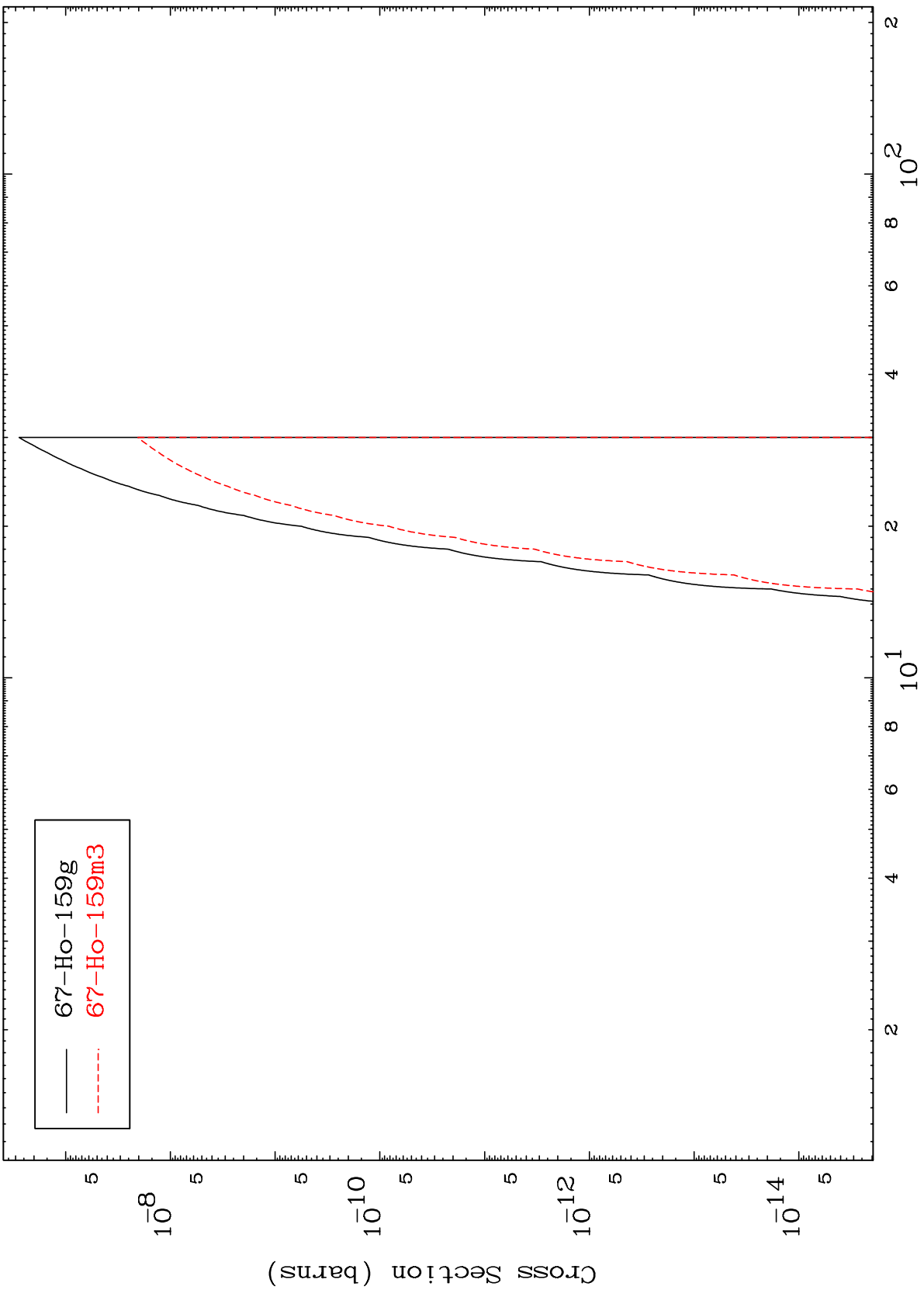
$^{70}\text{Yb-164}$

MAT 7013

(n,d) α

70-Yb-164

Radionuclide Production Cross Section



67-Ho-159g
67-Ho-159m3

125

Incident Energy (MeV)

70-Yb-164