

Program EVALPLOT
(Version 2018-1)

by

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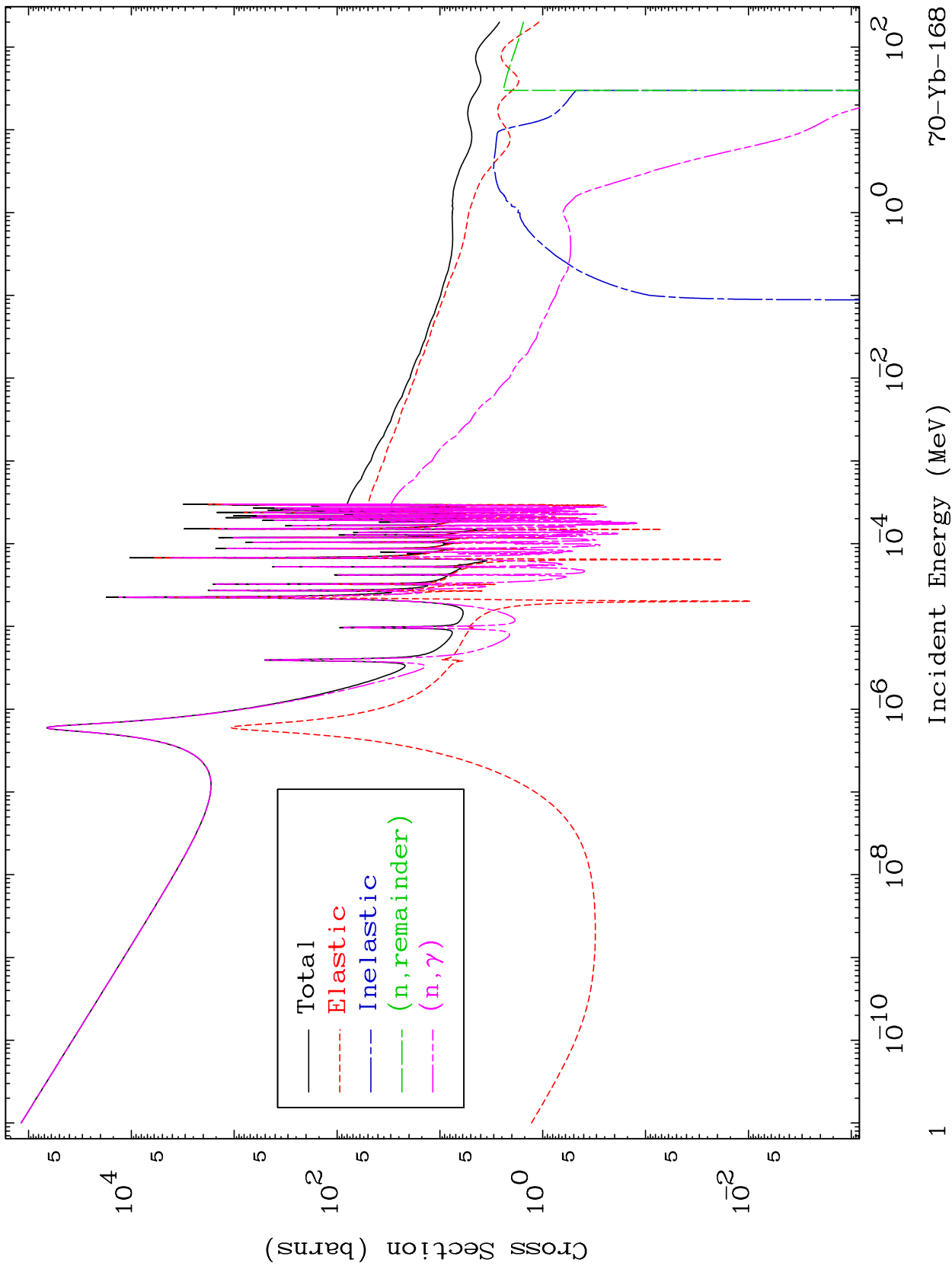
Press Mouse Button to Start

MAT 7025

Major

293 Kelvin Cross Sections

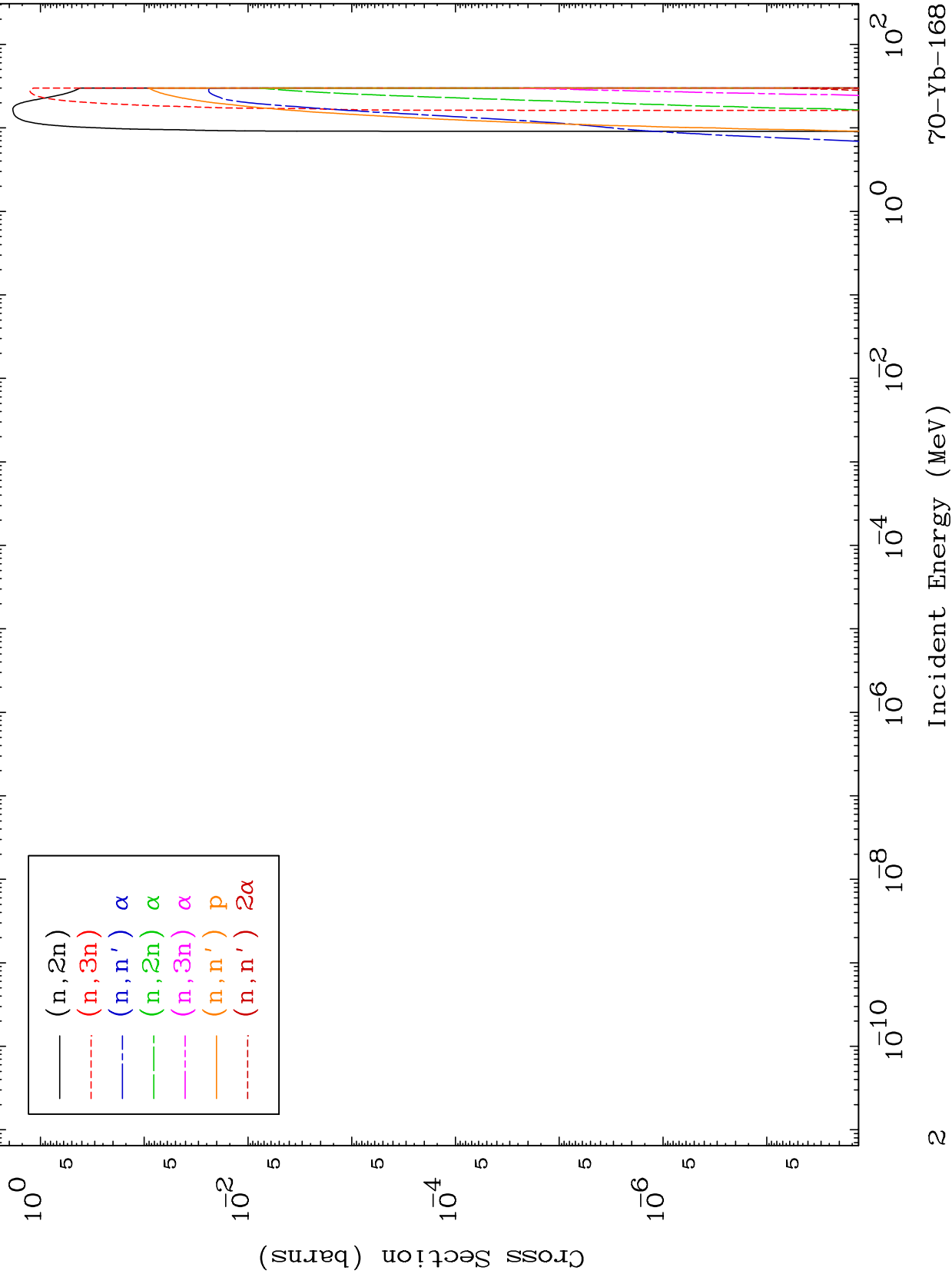
70-Yb-168

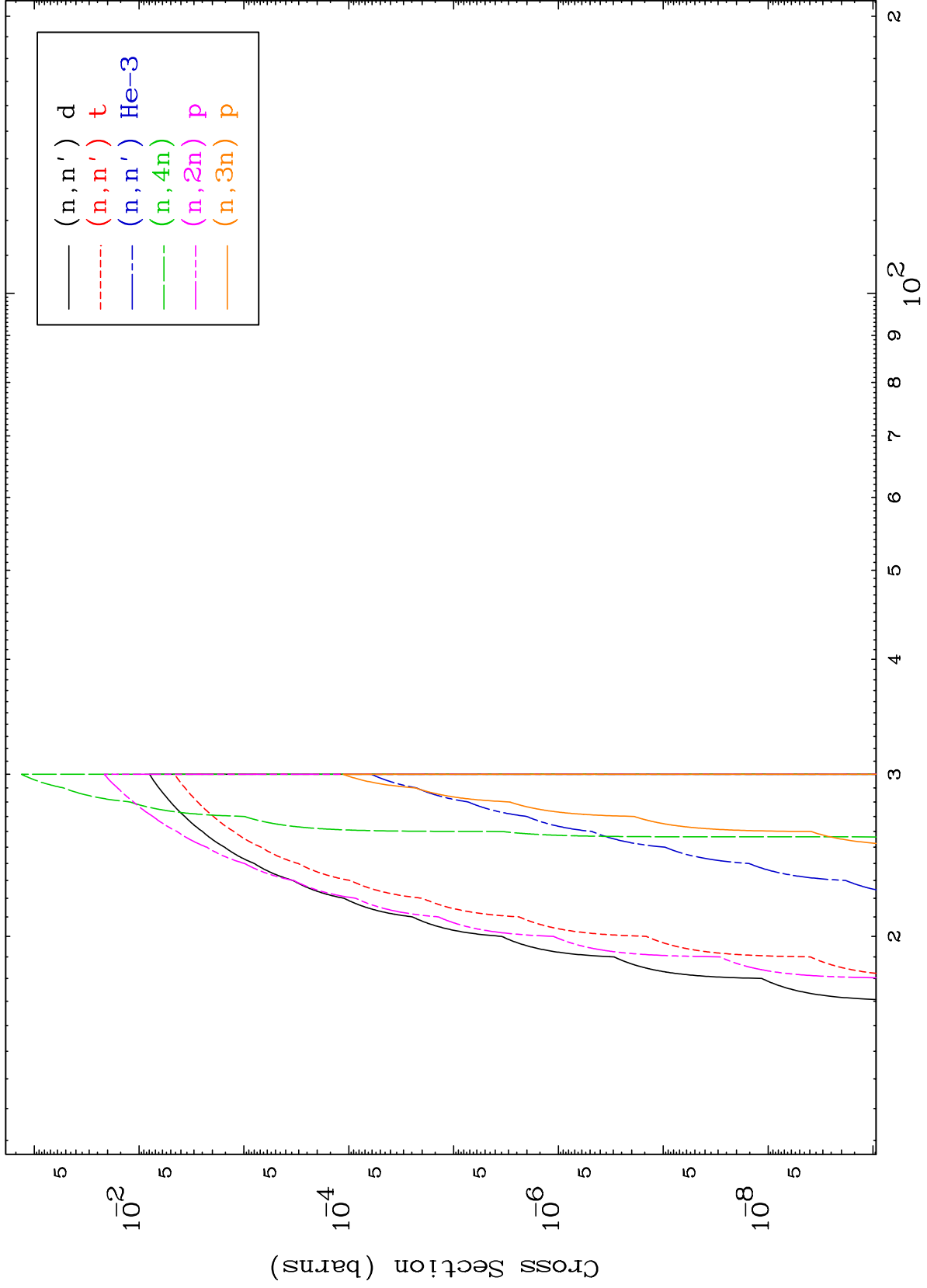


MAT 7025

Neutron Production
293 Kelvin Cross Sections

70-Yb-168

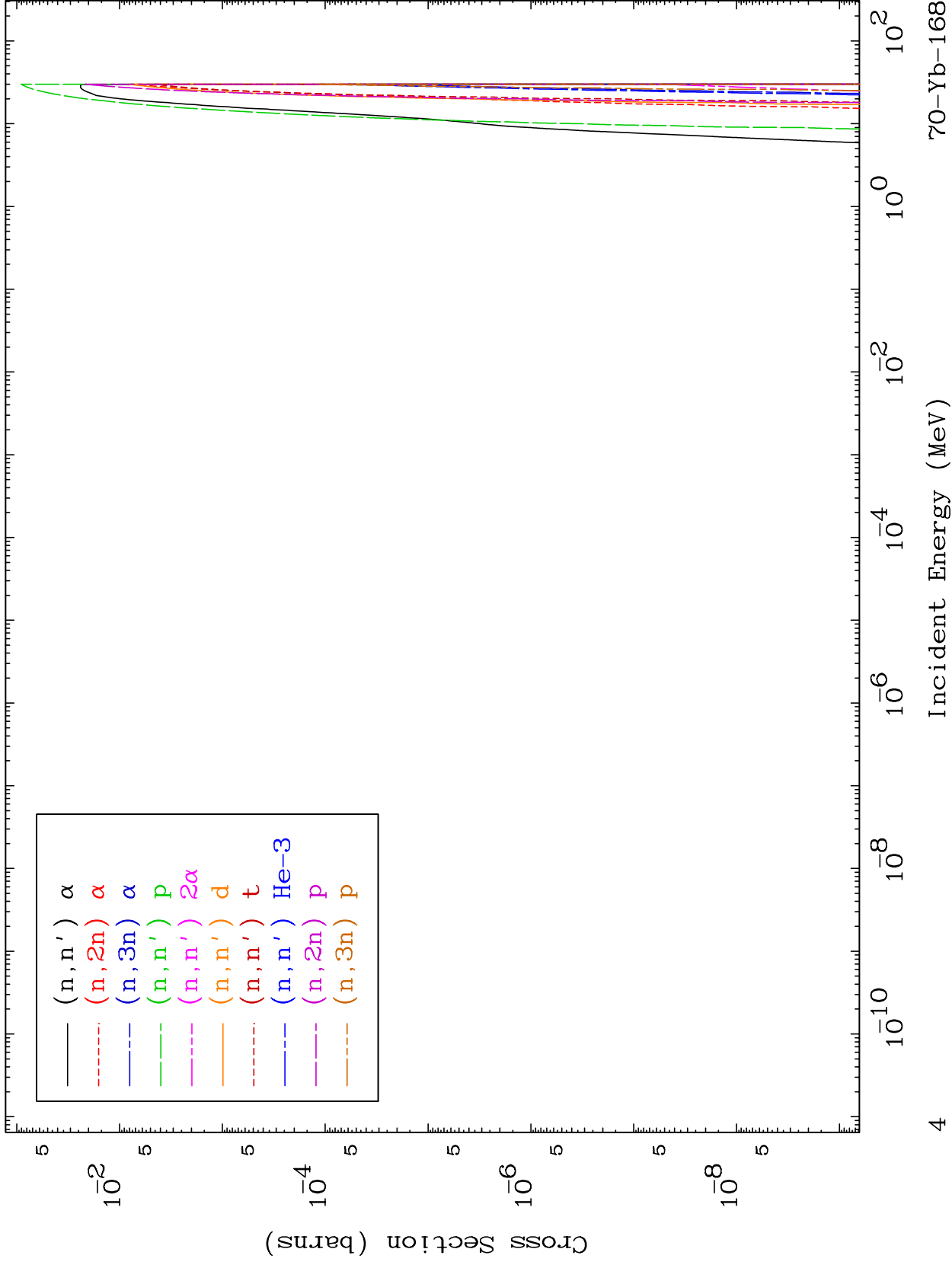




MAT 7025

Charged Particle
293 Kelvin Cross Sections

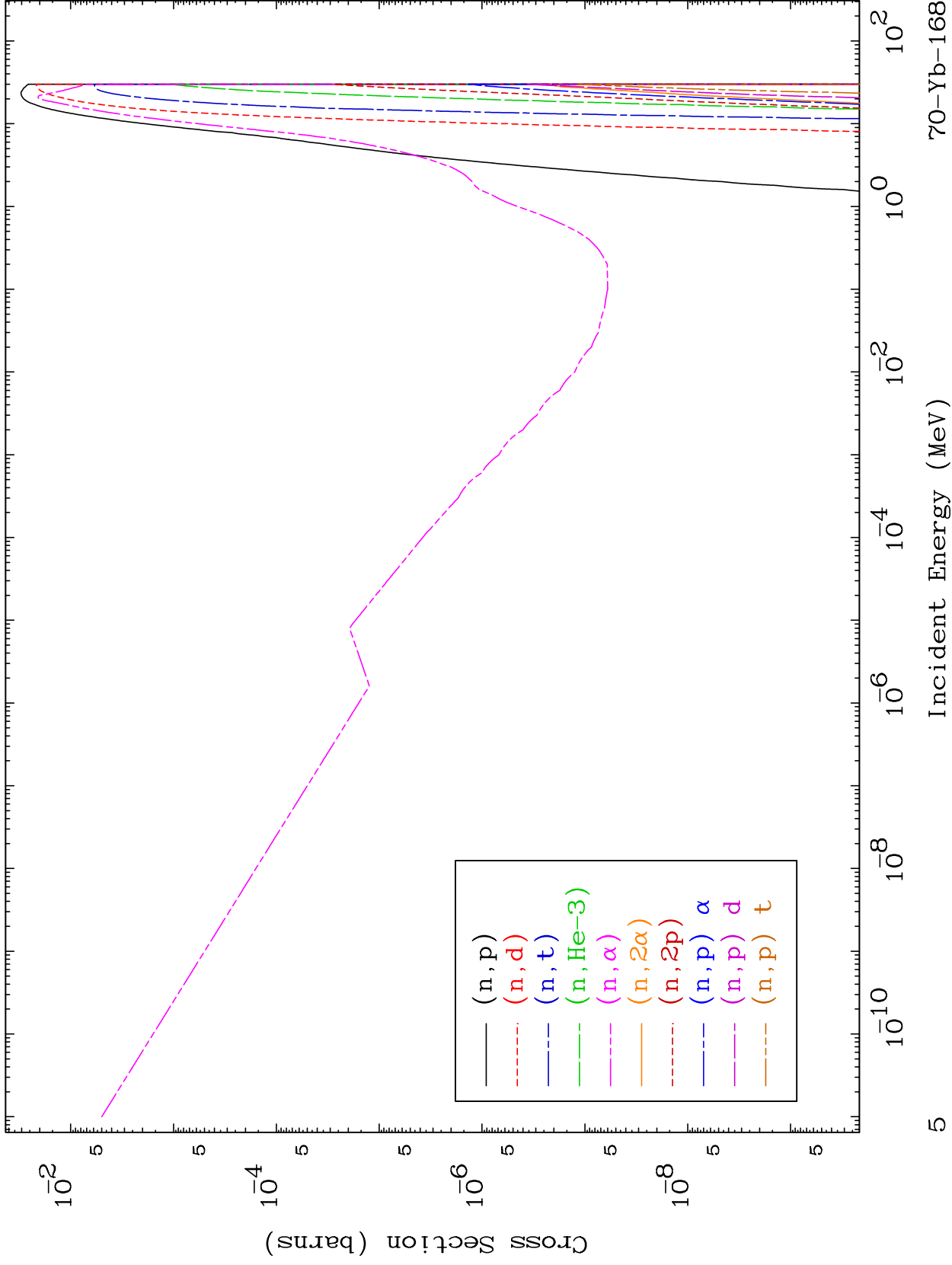
70-Yb-168



MAT 7025

Charged Particle
293 Kelvin Cross Sections

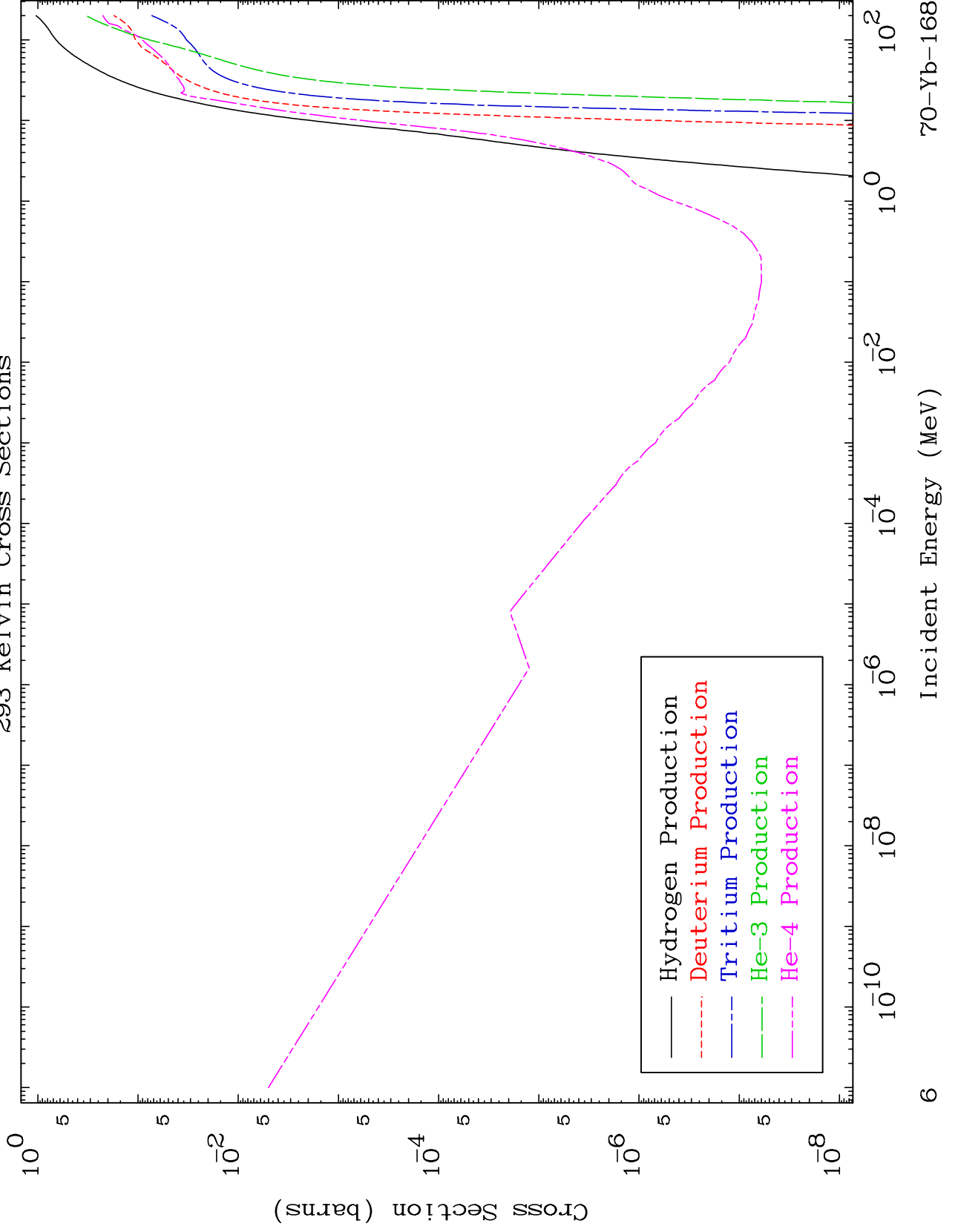
70-Yb-168



MAT 7025

Particle Production
293 Kelvin Cross Sections

70-Yb-168

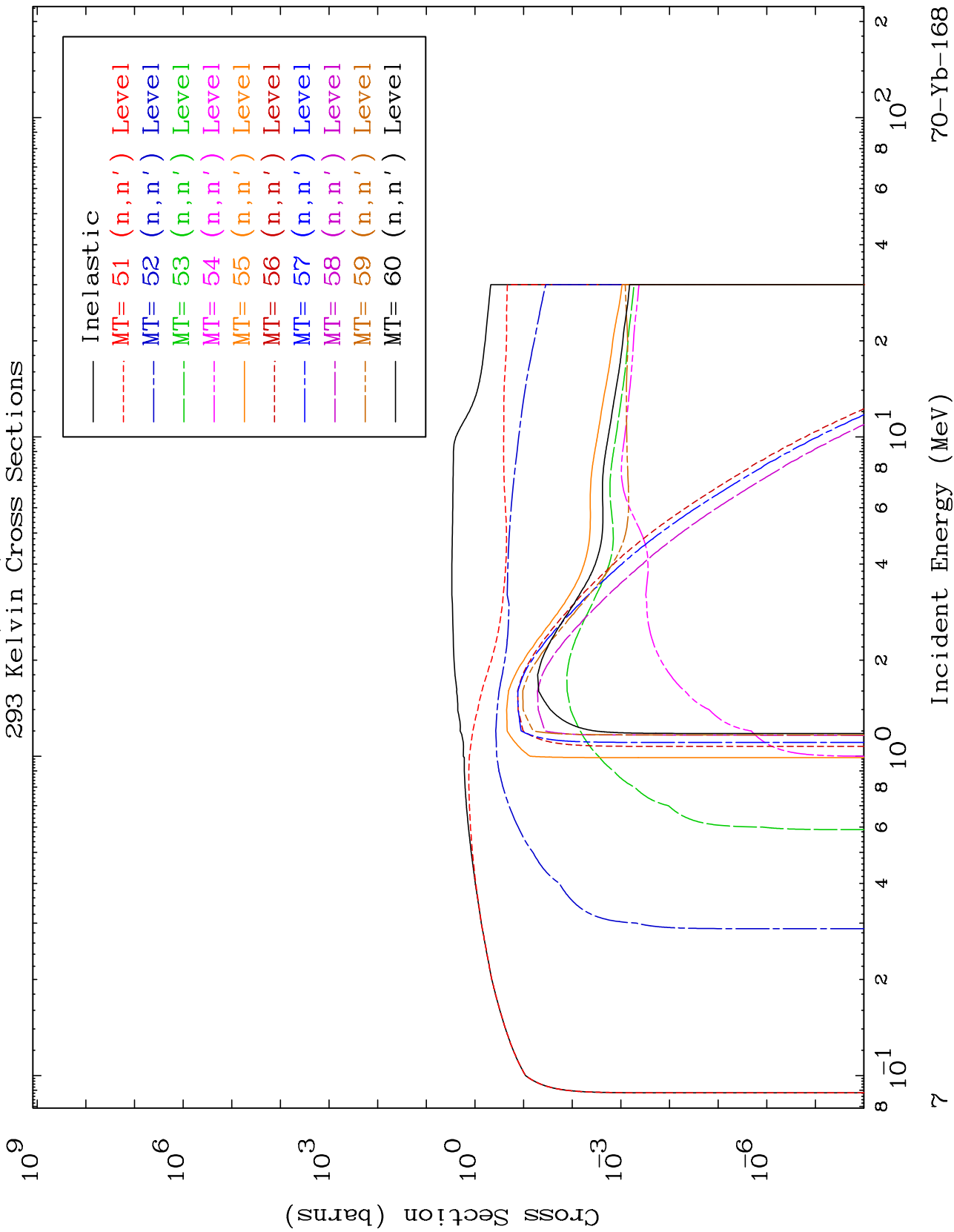


MAT 7025

(n,n') Level

70-Yb-168

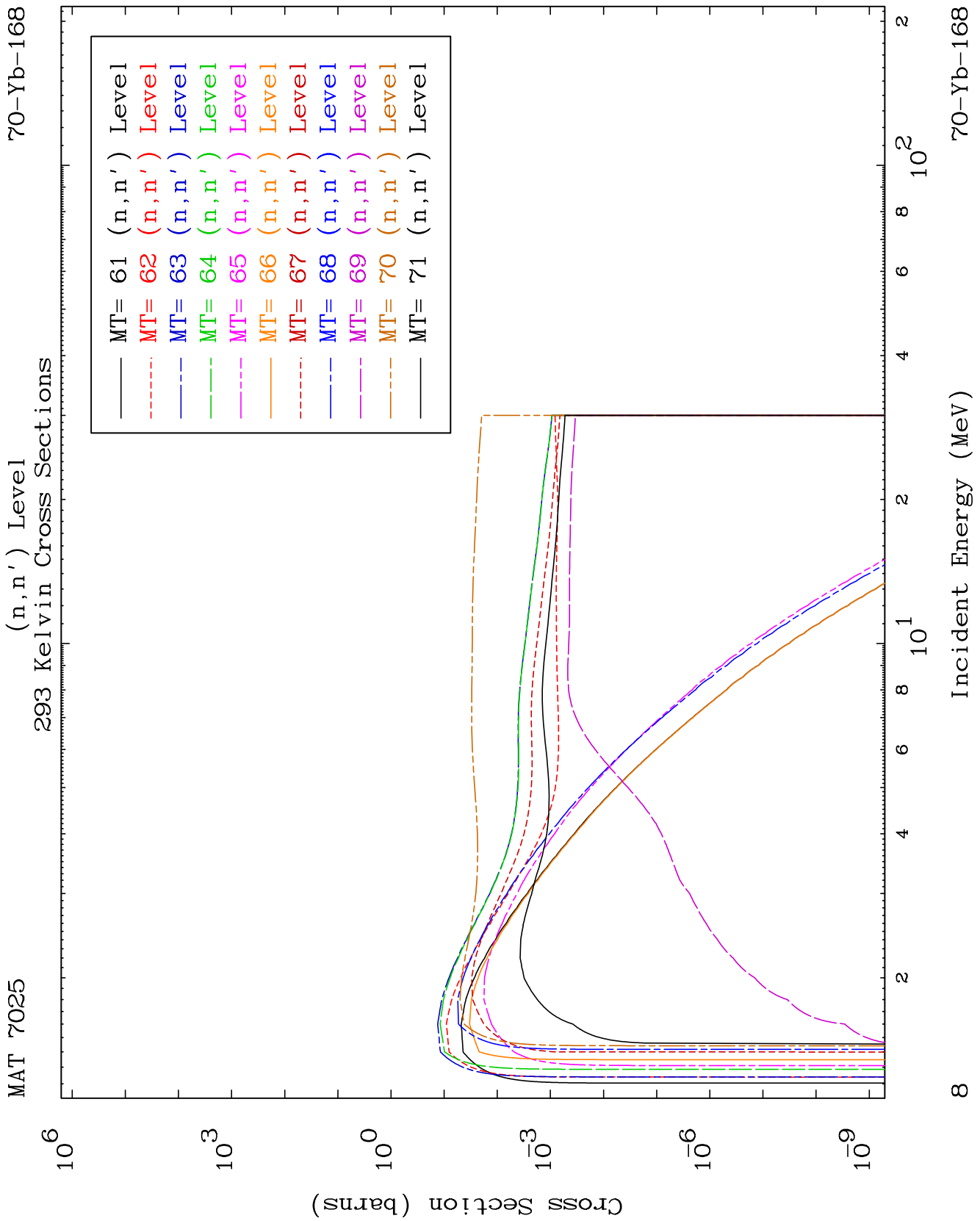
293 Kelvin Cross Sections



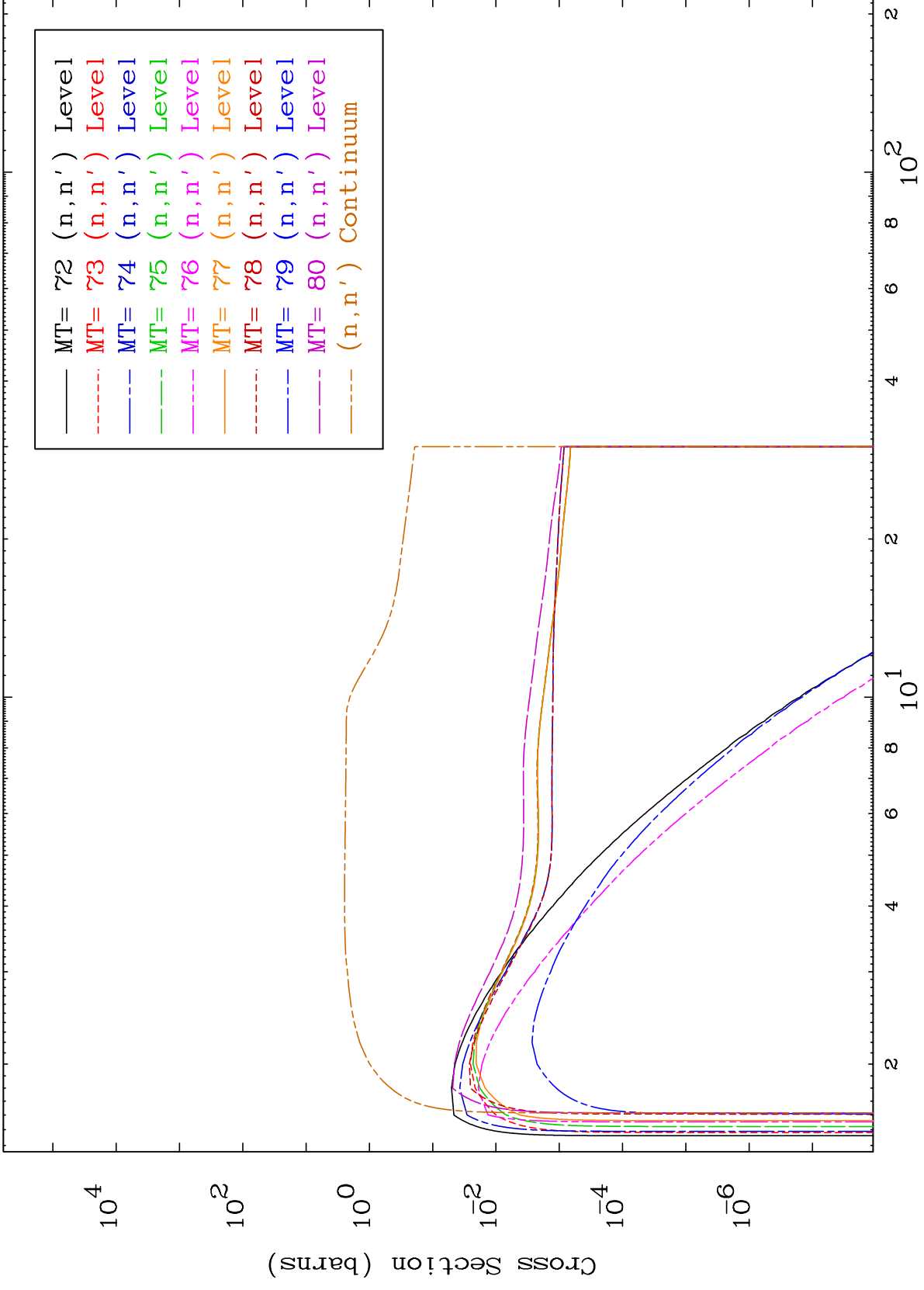
Incident Energy (MeV)

70-Yb-168

7



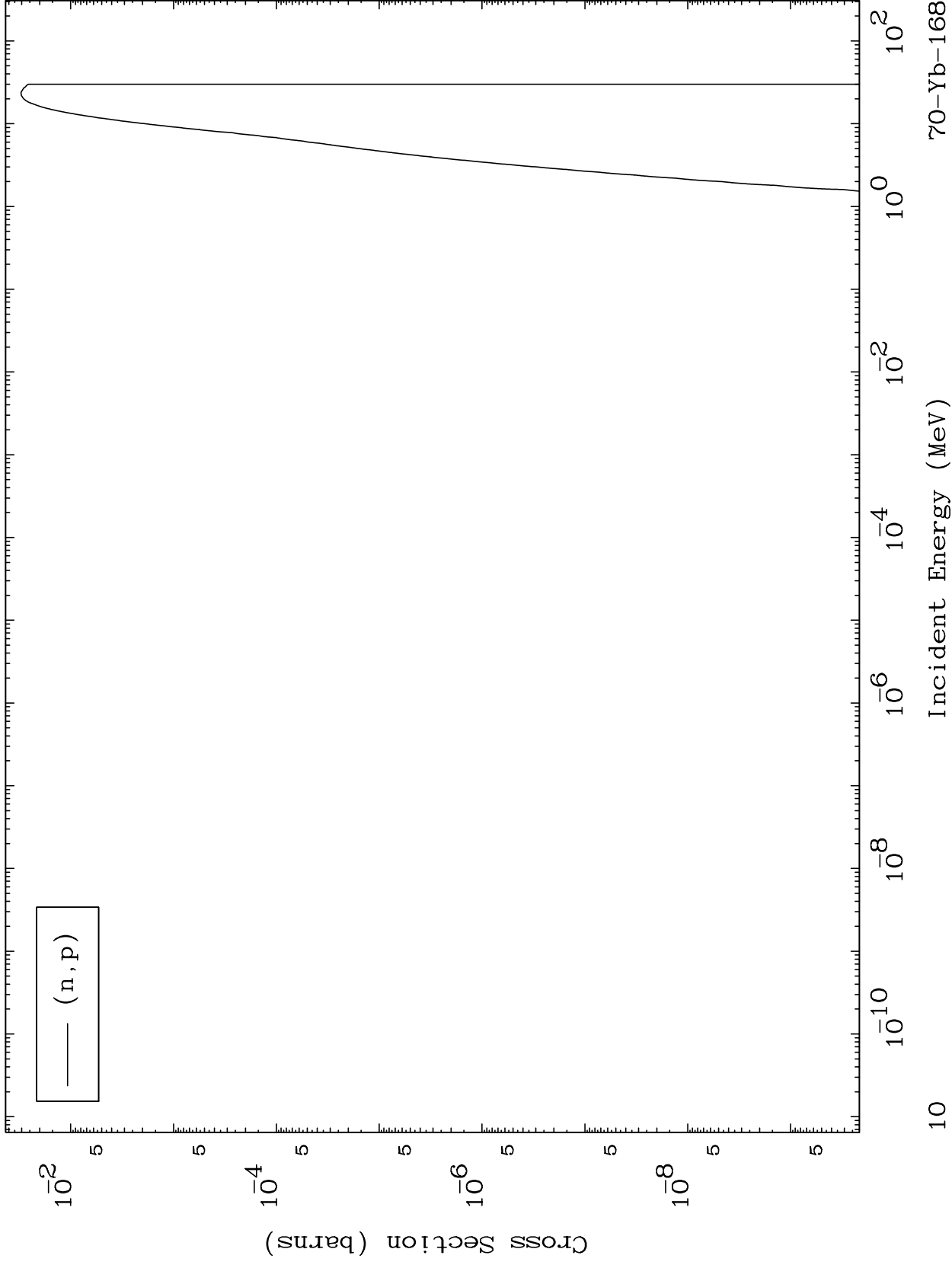
293 Kelvin Cross Sections



MAT 7025

(n,p) Levels
293 Kelvin Cross Sections

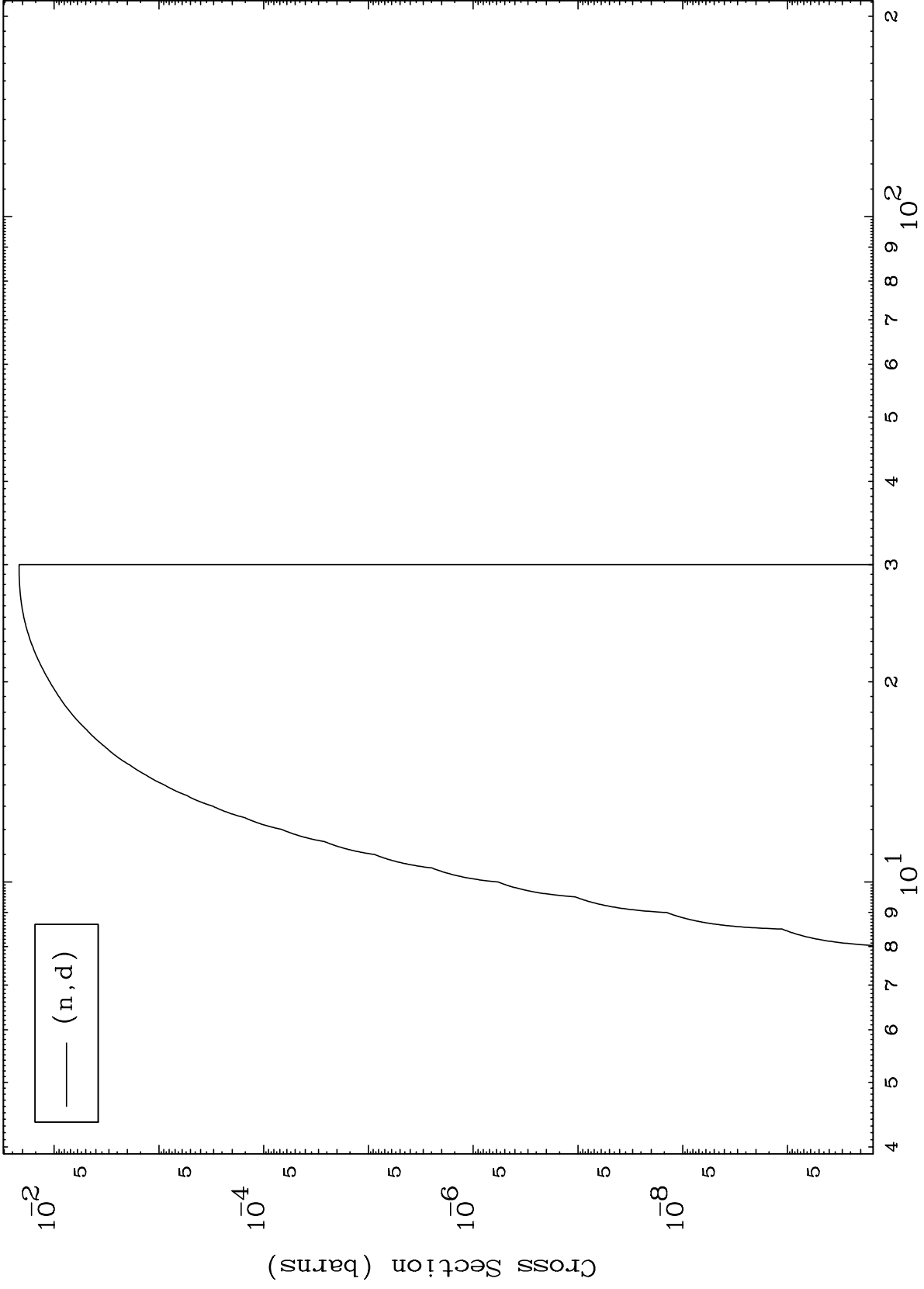
70-Yb-168



MAT 7025

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-168



11

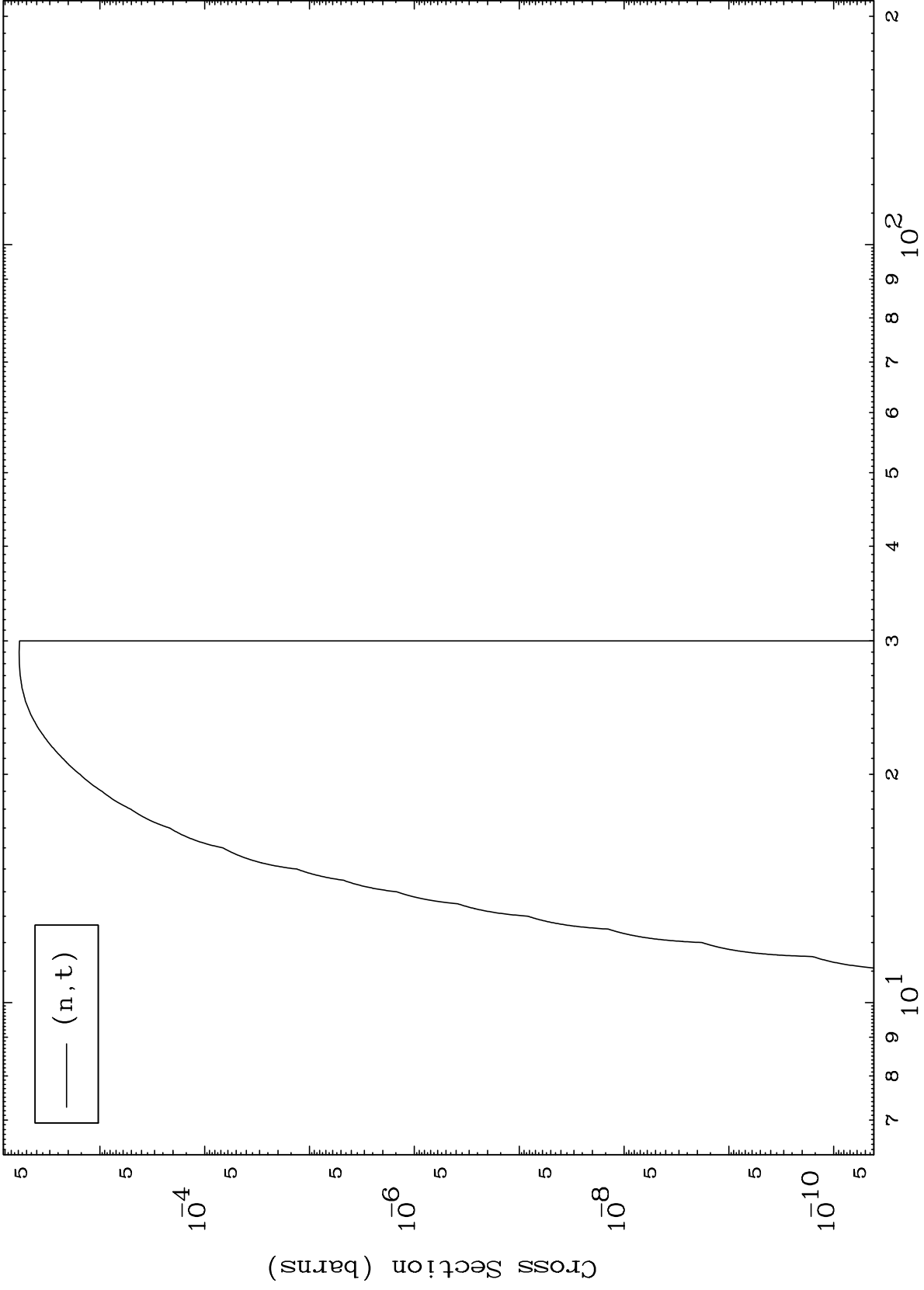
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-168



12

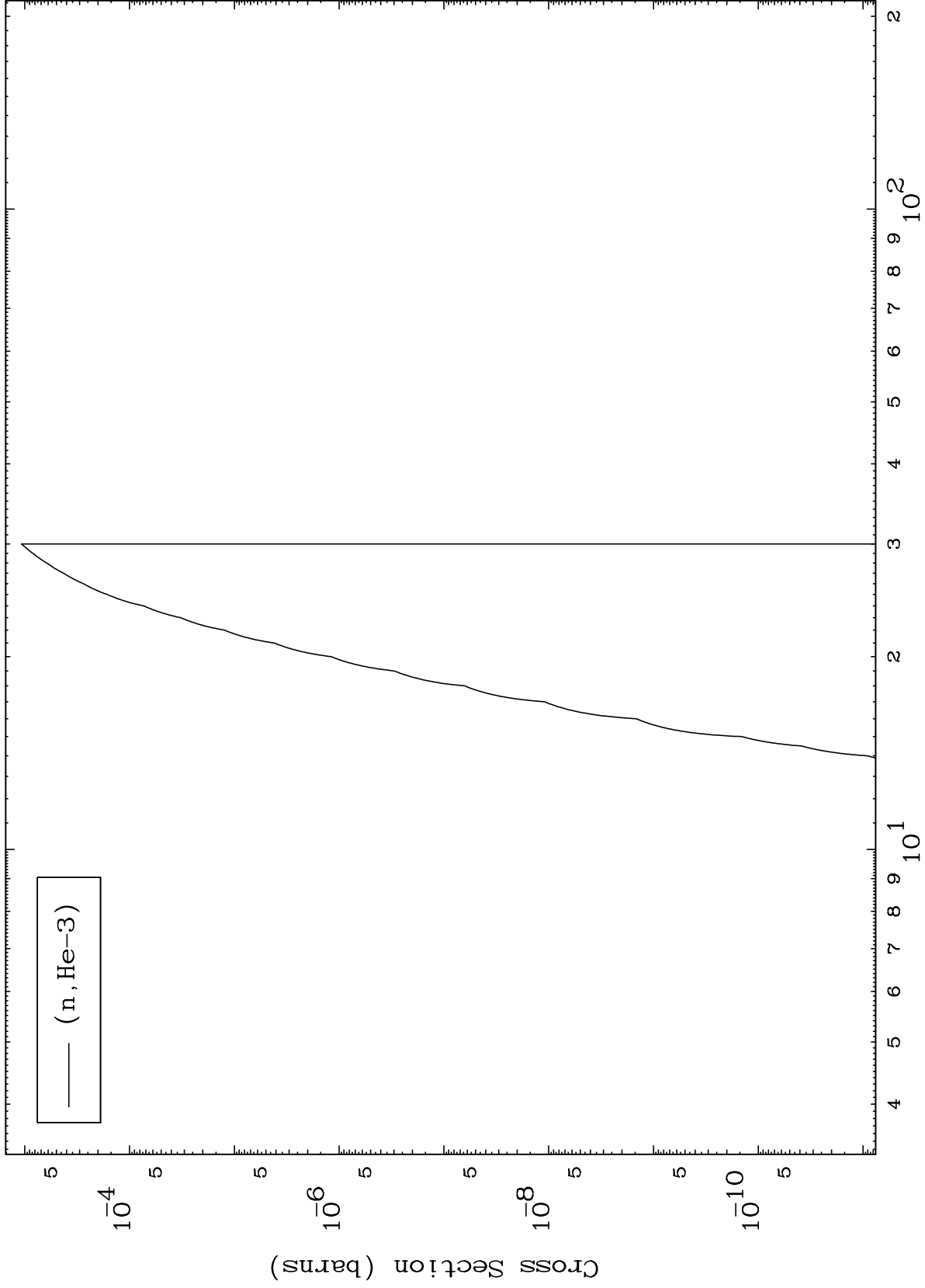
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,He3) Levels
293 Kelvin Cross Sections

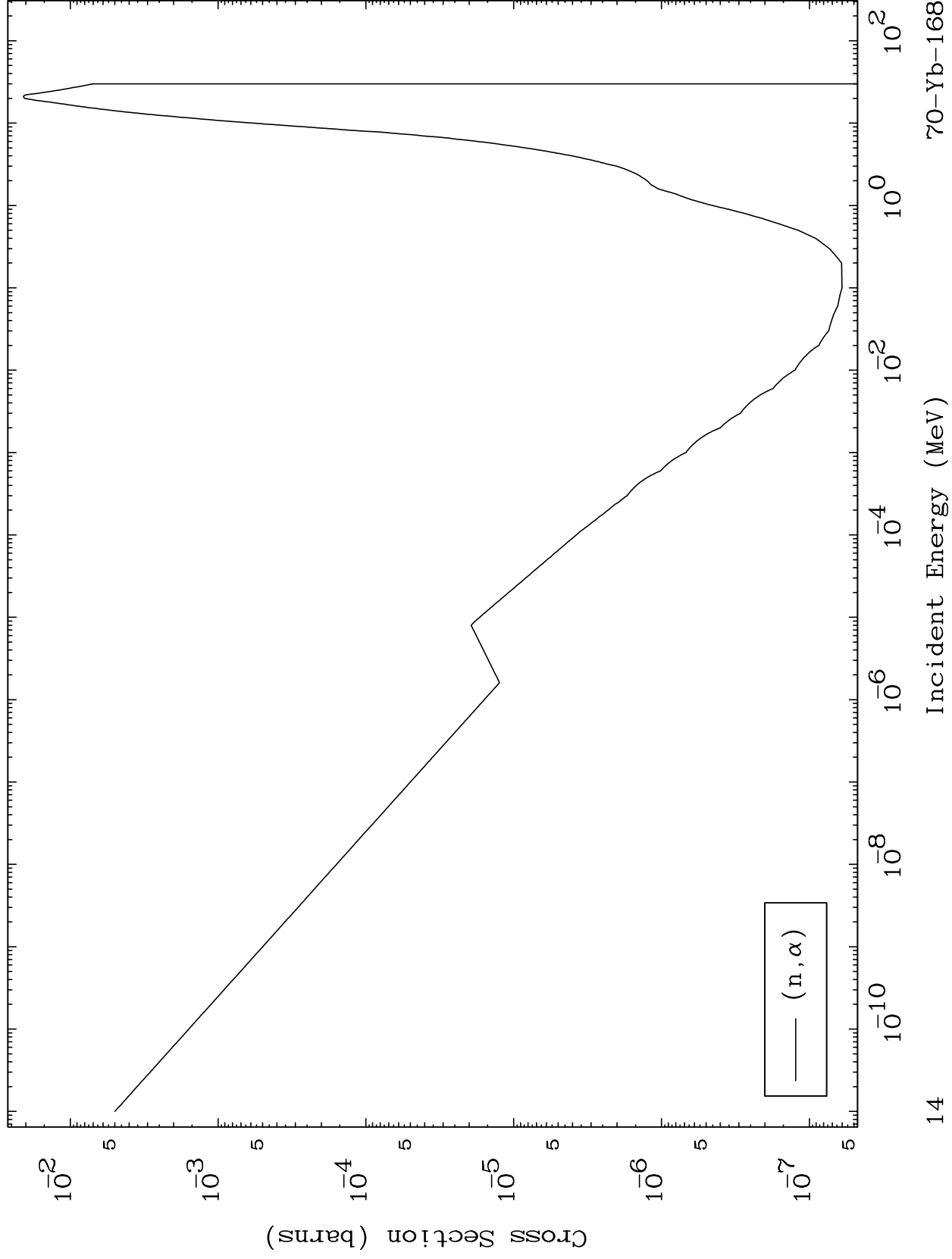
70-Yb-168

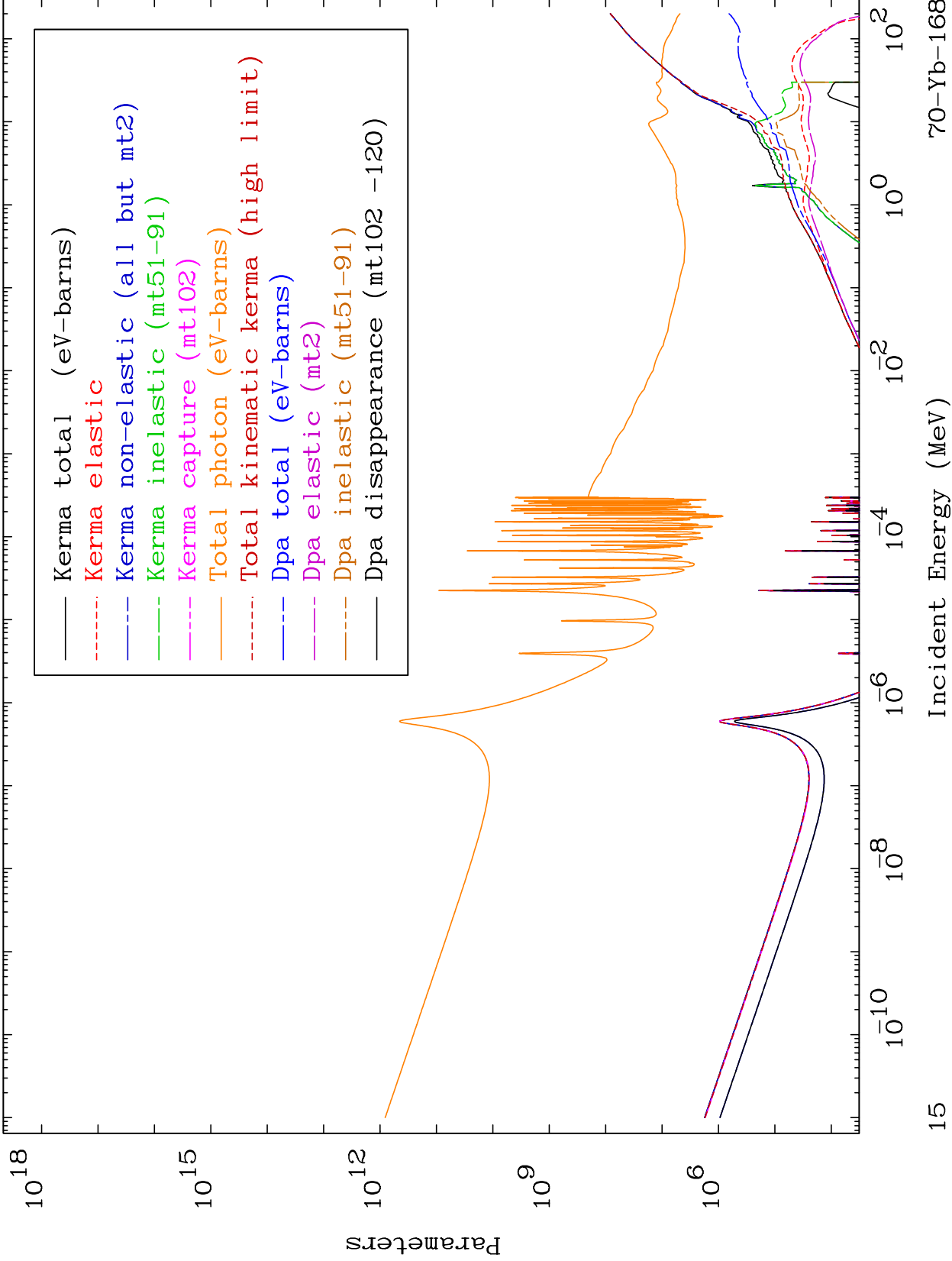


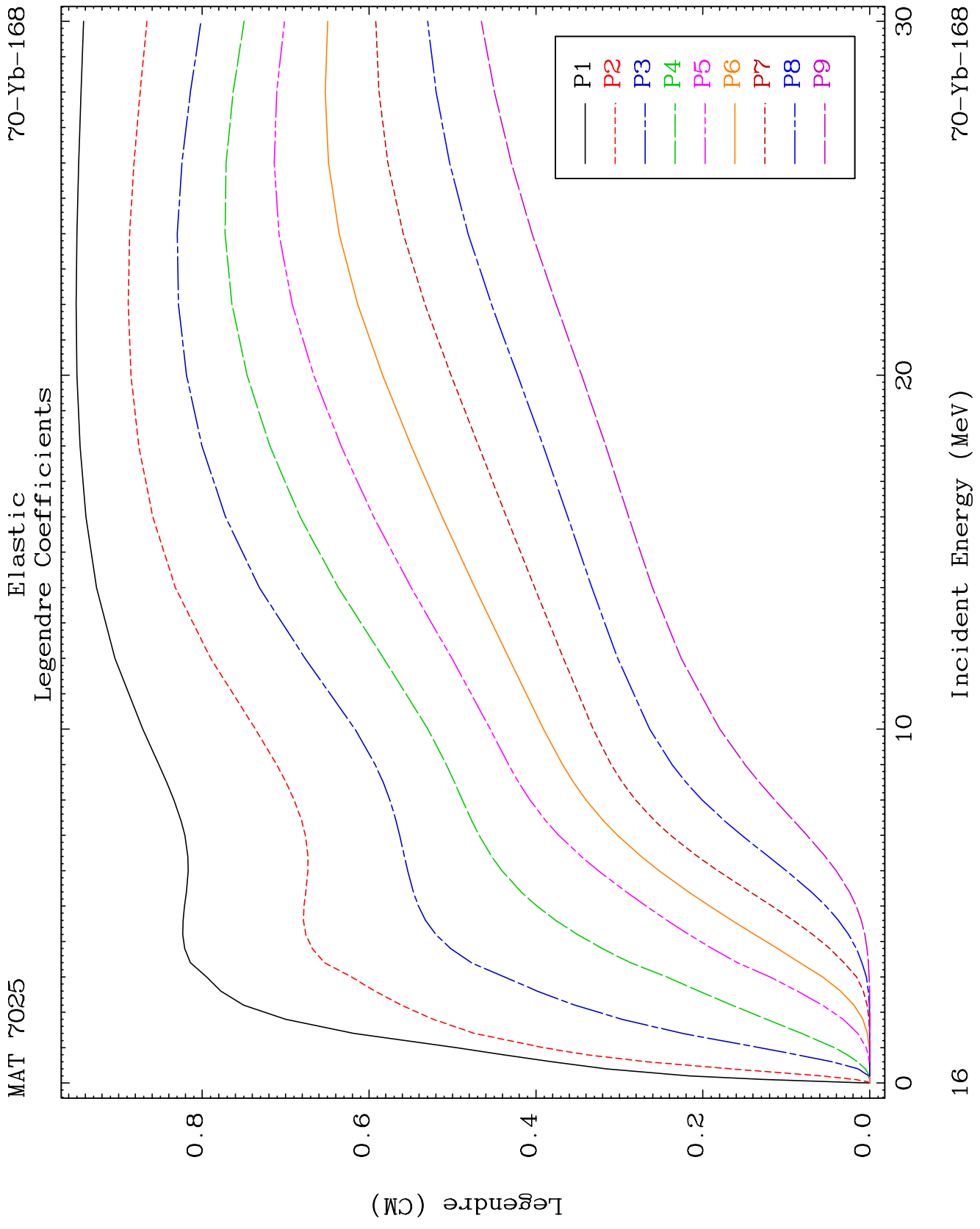
MAT 7025

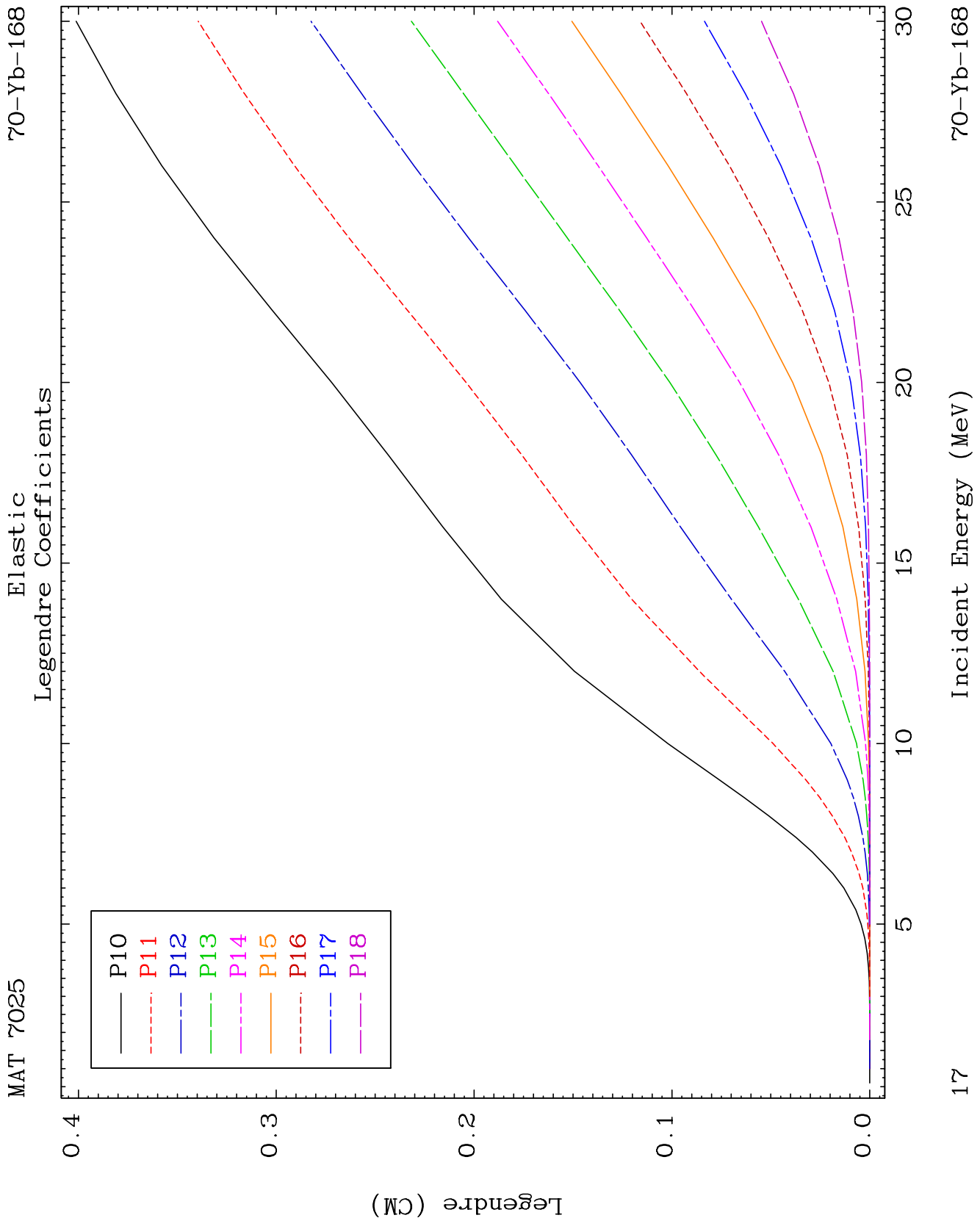
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-168





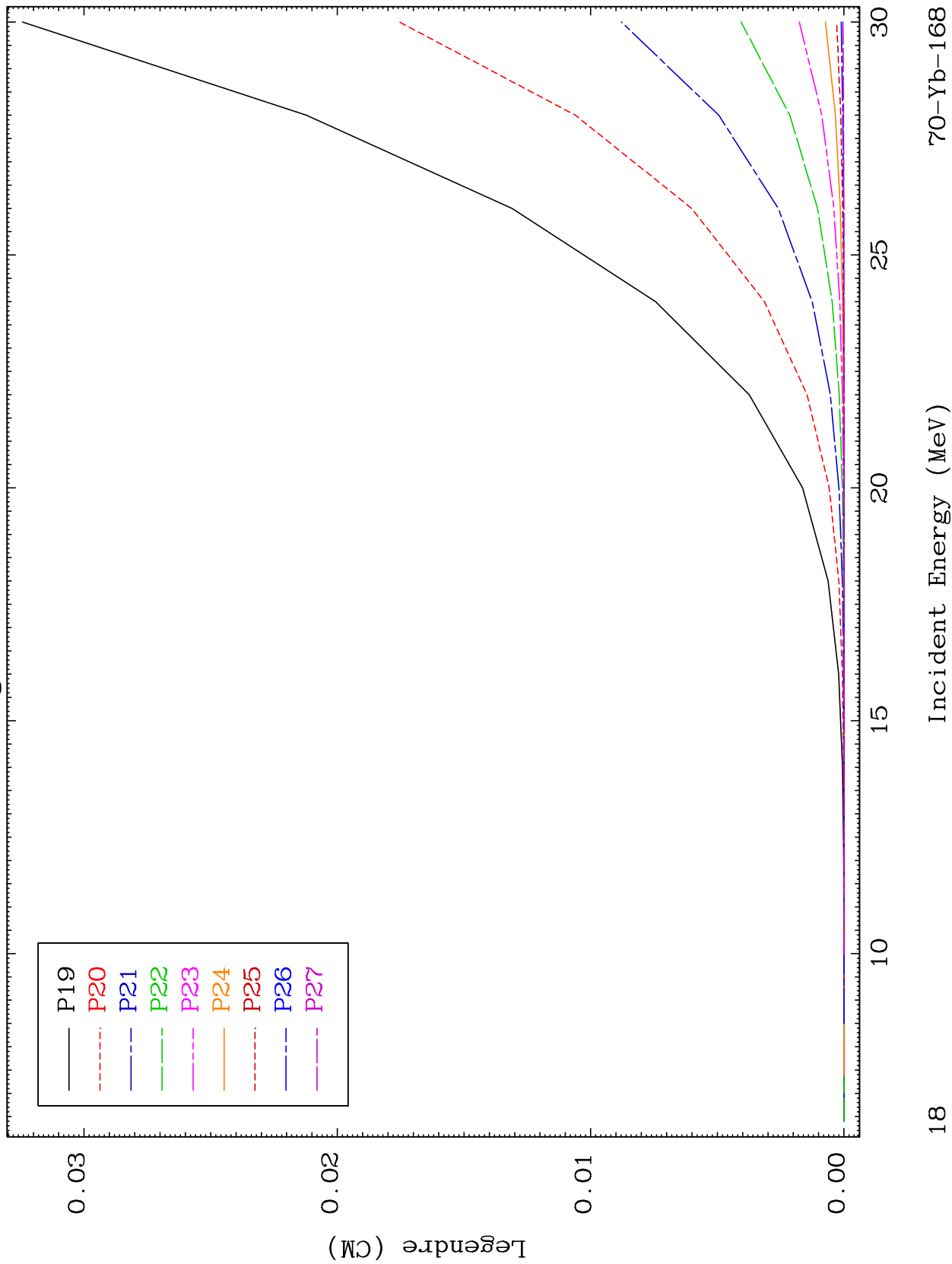




MAT 7025

Elastic Legendre Coefficients

70-Yb-168



18

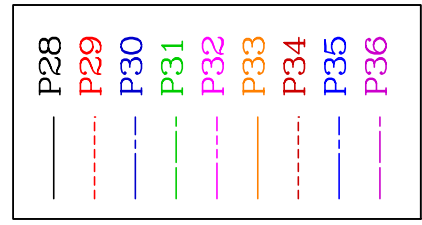
Incident Energy (MeV)

70-Yb-168

MAT 7025

Elastic Legendre Coefficients

70-Yb-168



$\times 10^{-5}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

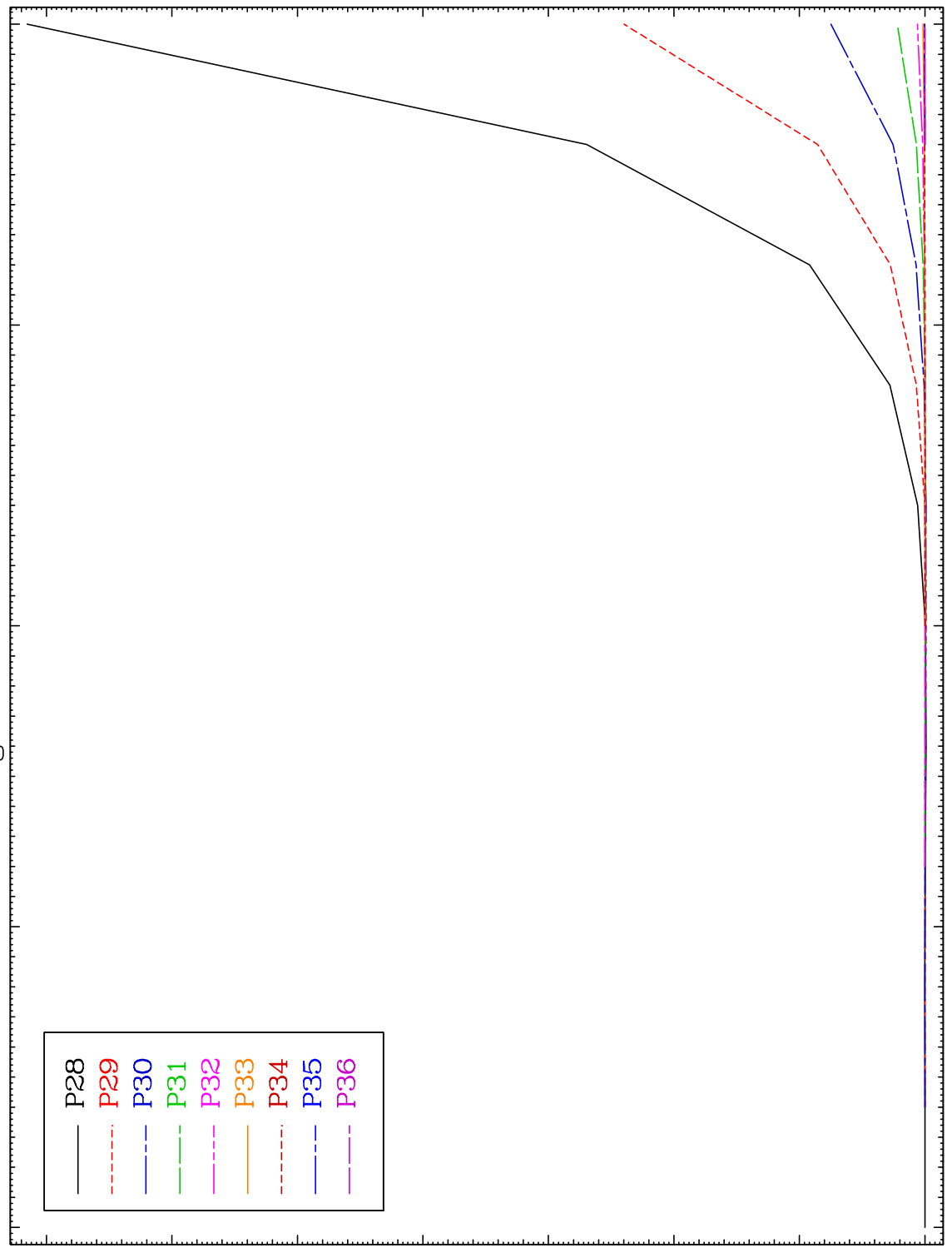
25

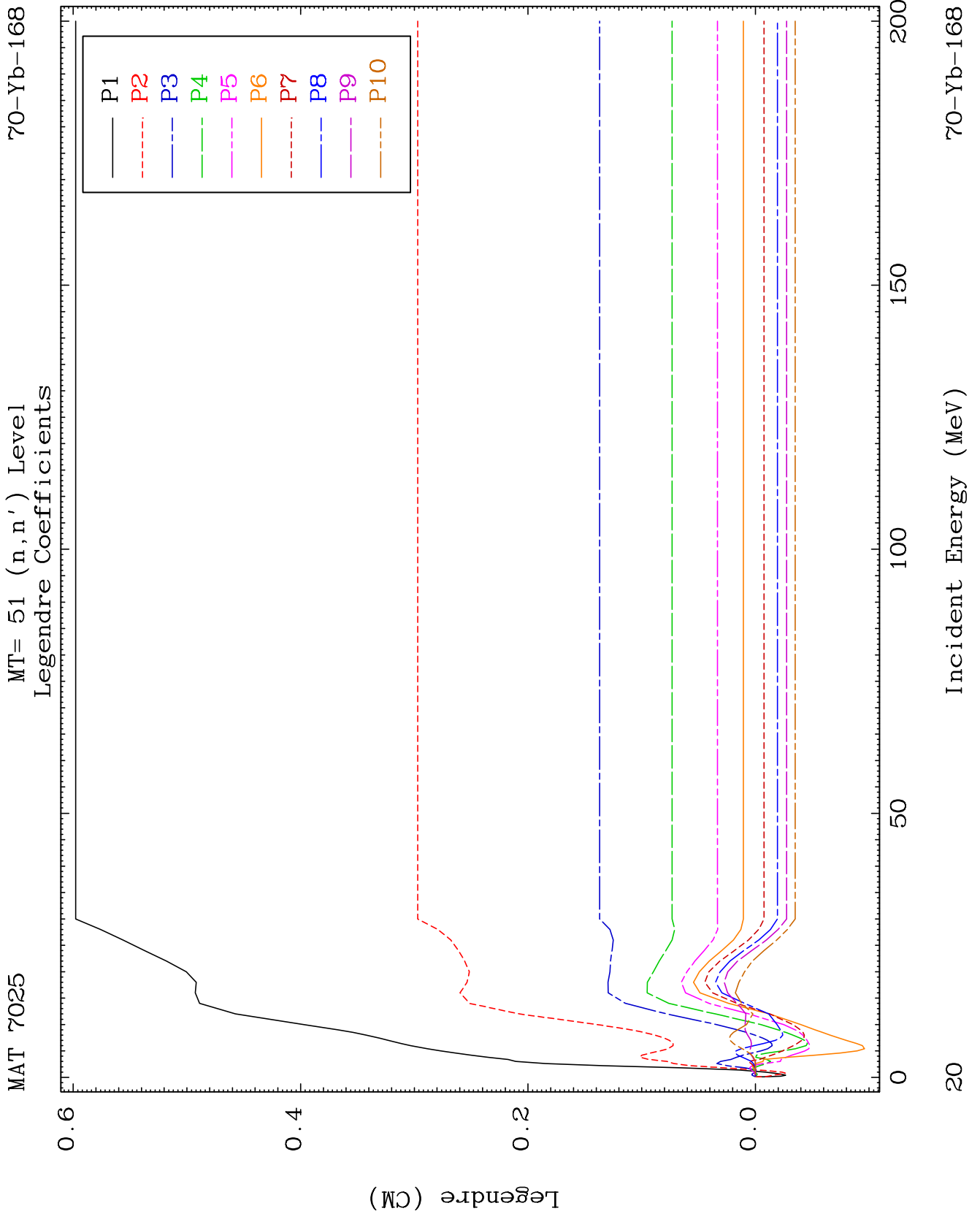
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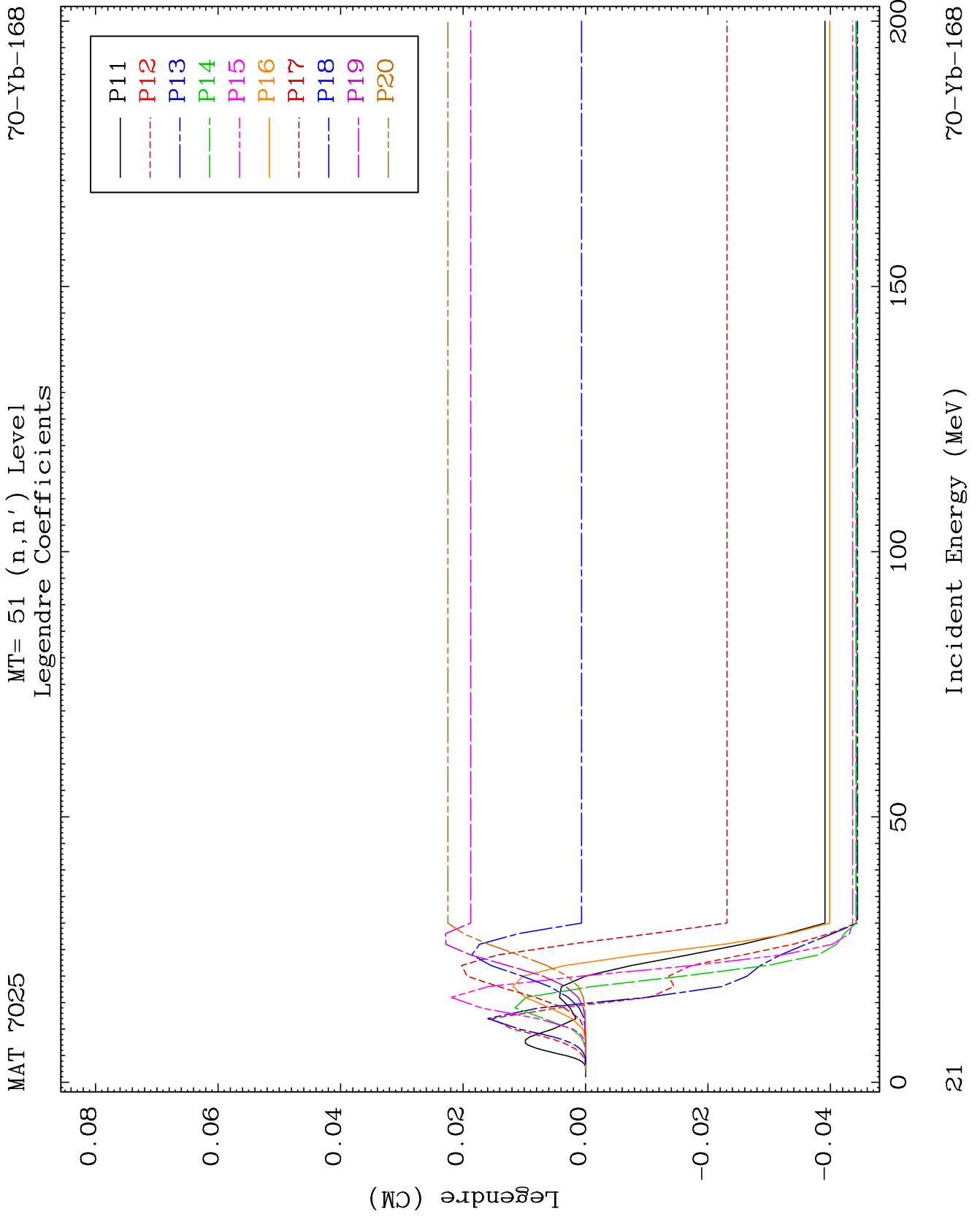
19

Incident Energy (MeV)

70-Yb-168



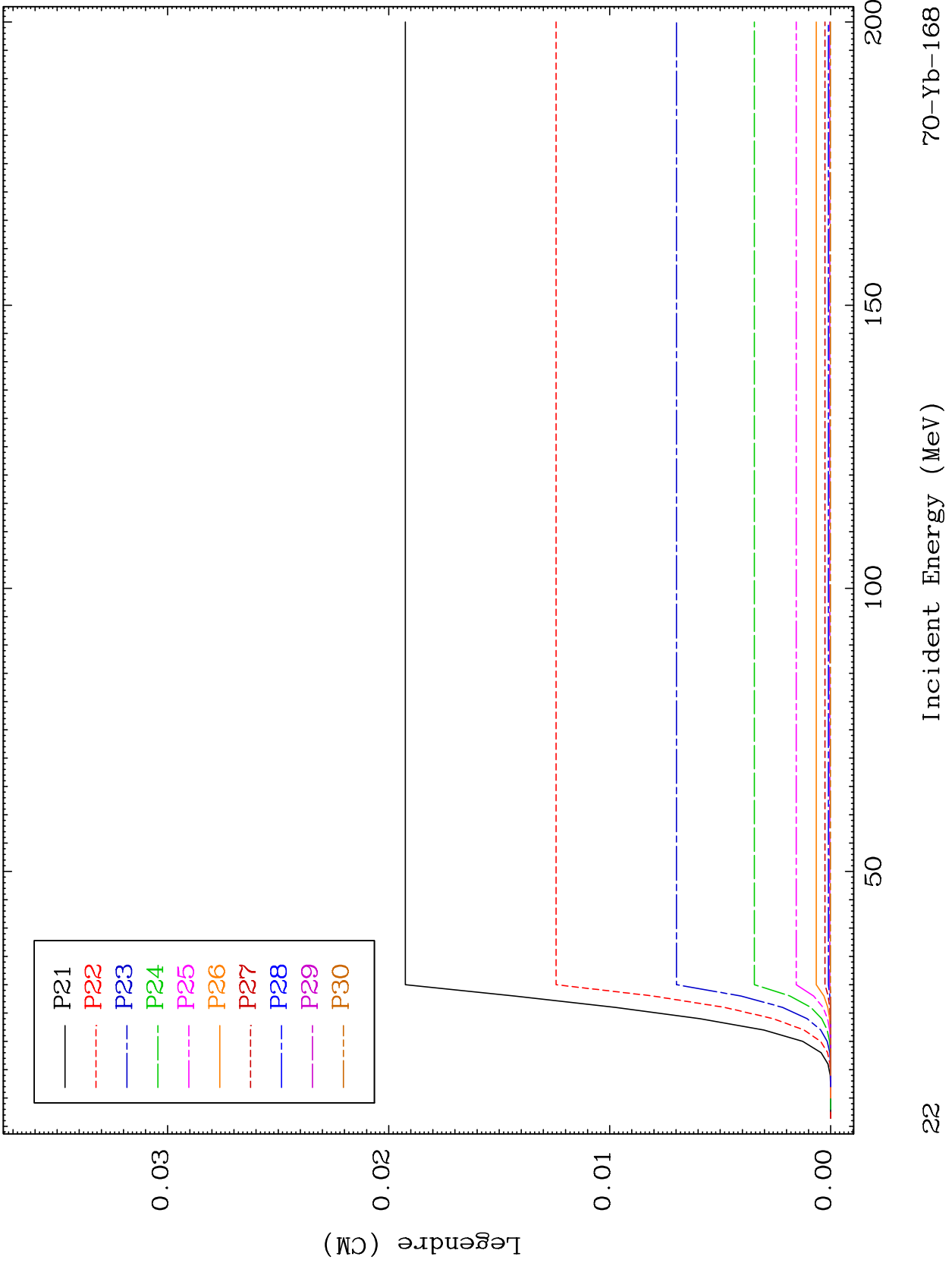




MAT 7025

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

70-Yb-168



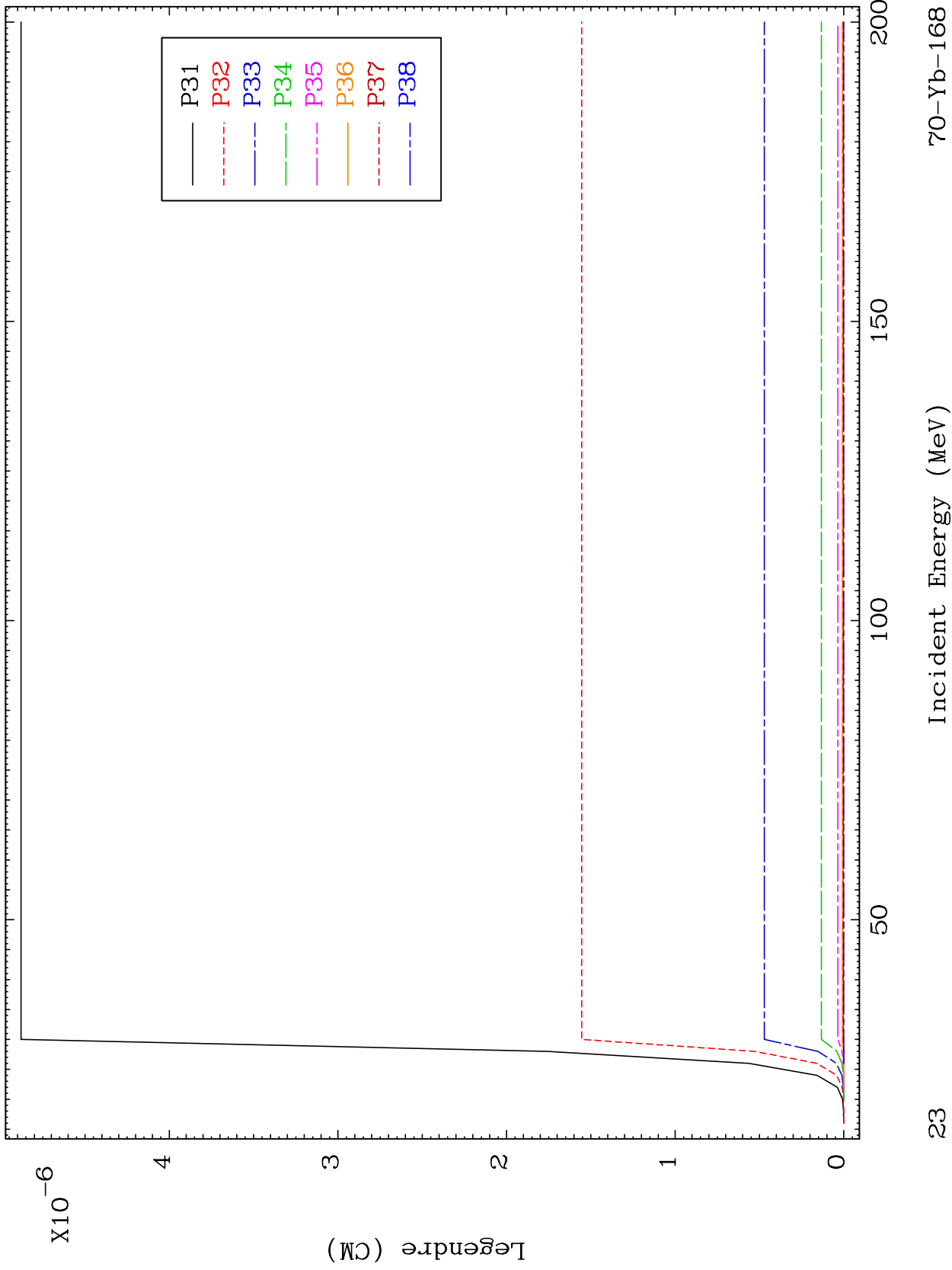
22

70-Yb-168

MAT 7025

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

70-Yb-168



23

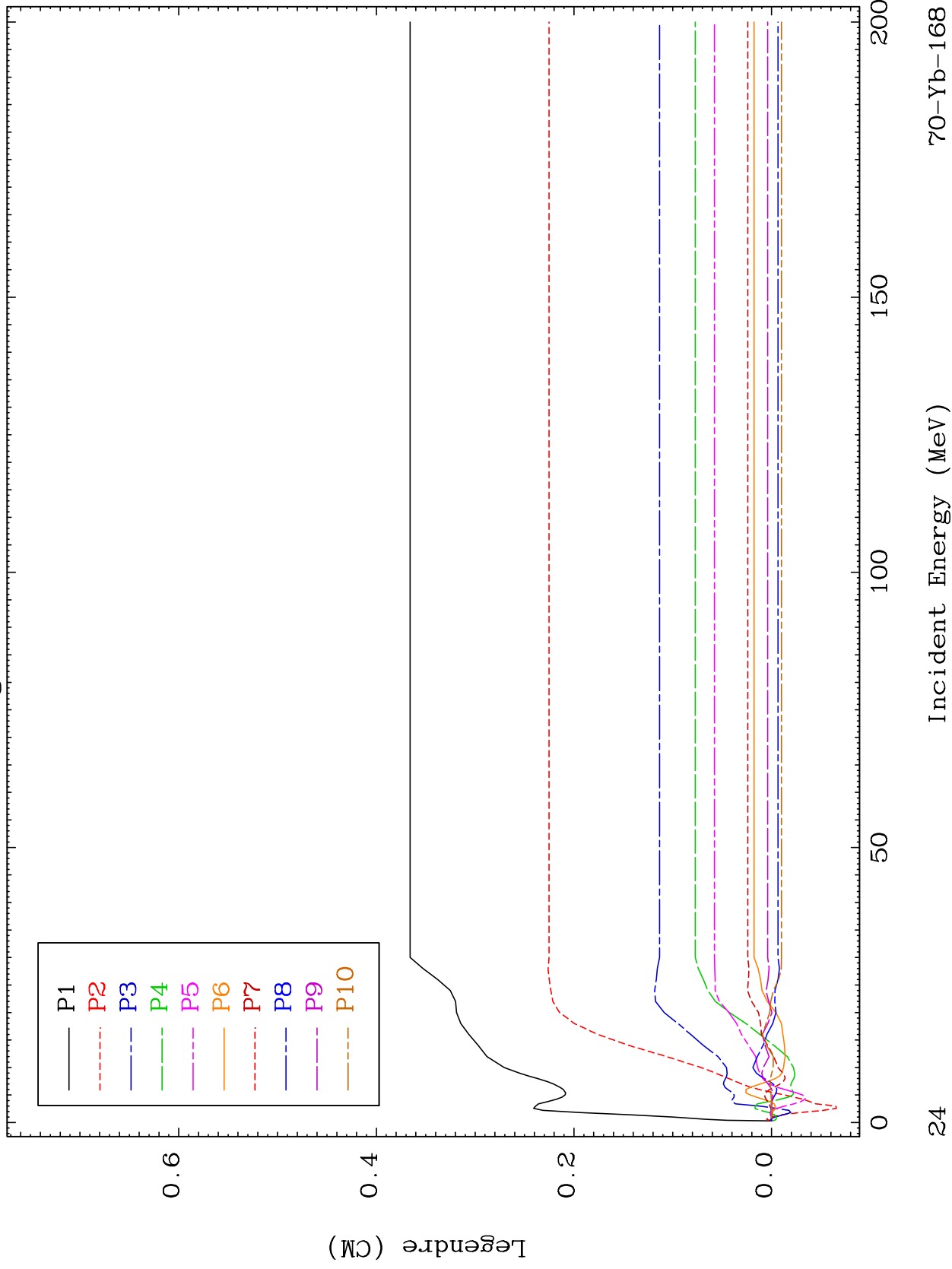
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

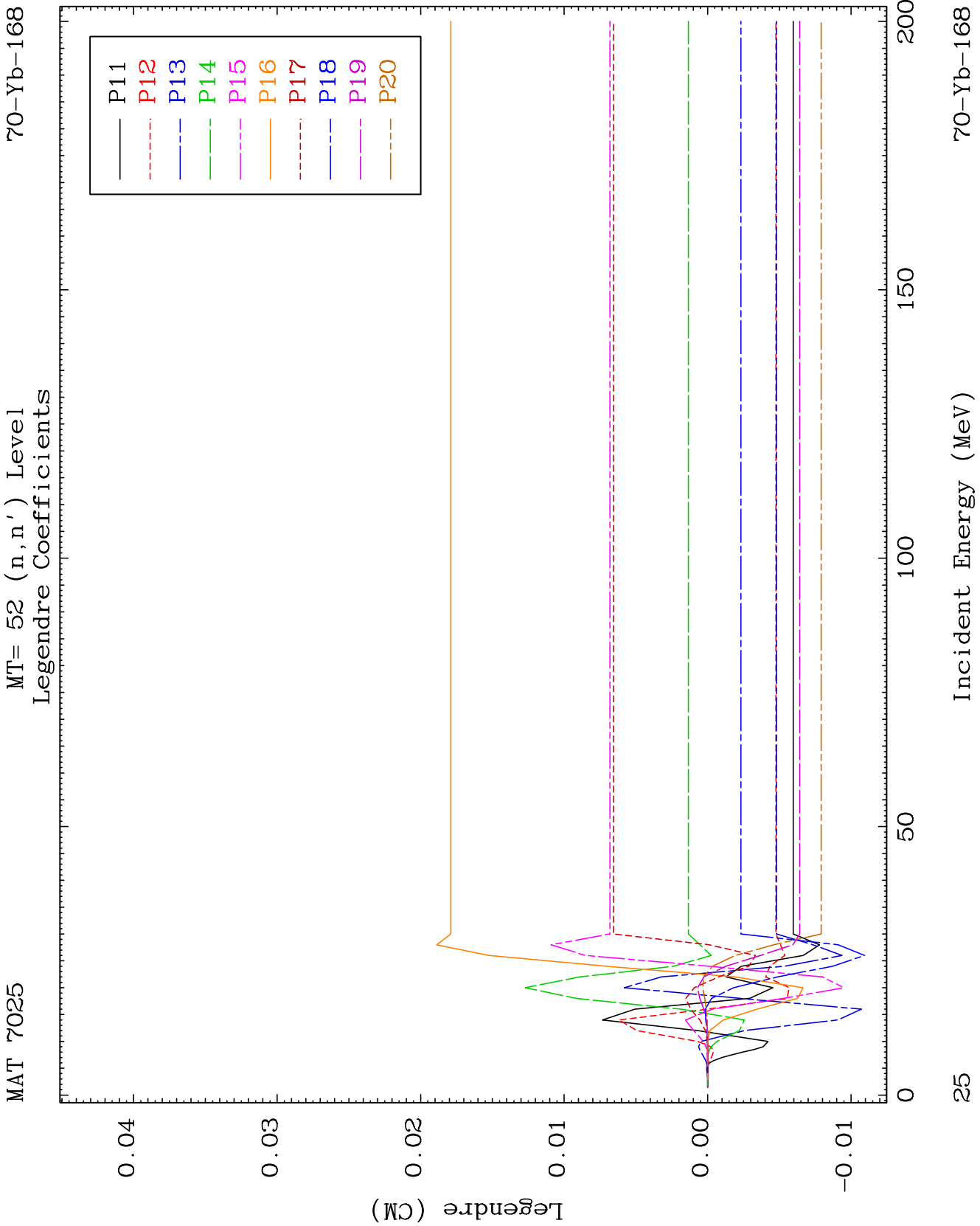
70-Yb-168



24

Incident Energy (MeV)

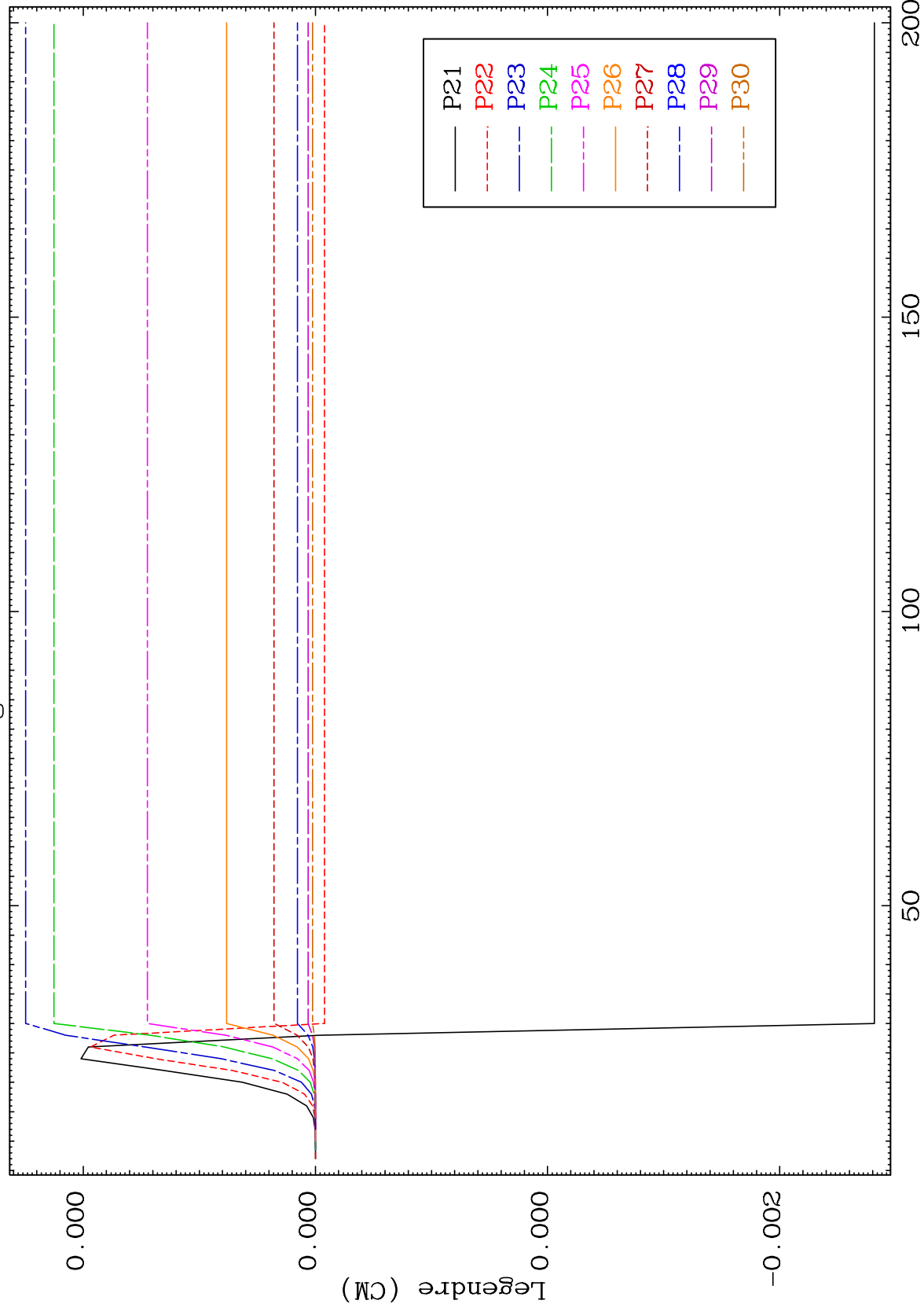
70-Yb-168



MAT 7025

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

70-Yb-168



26

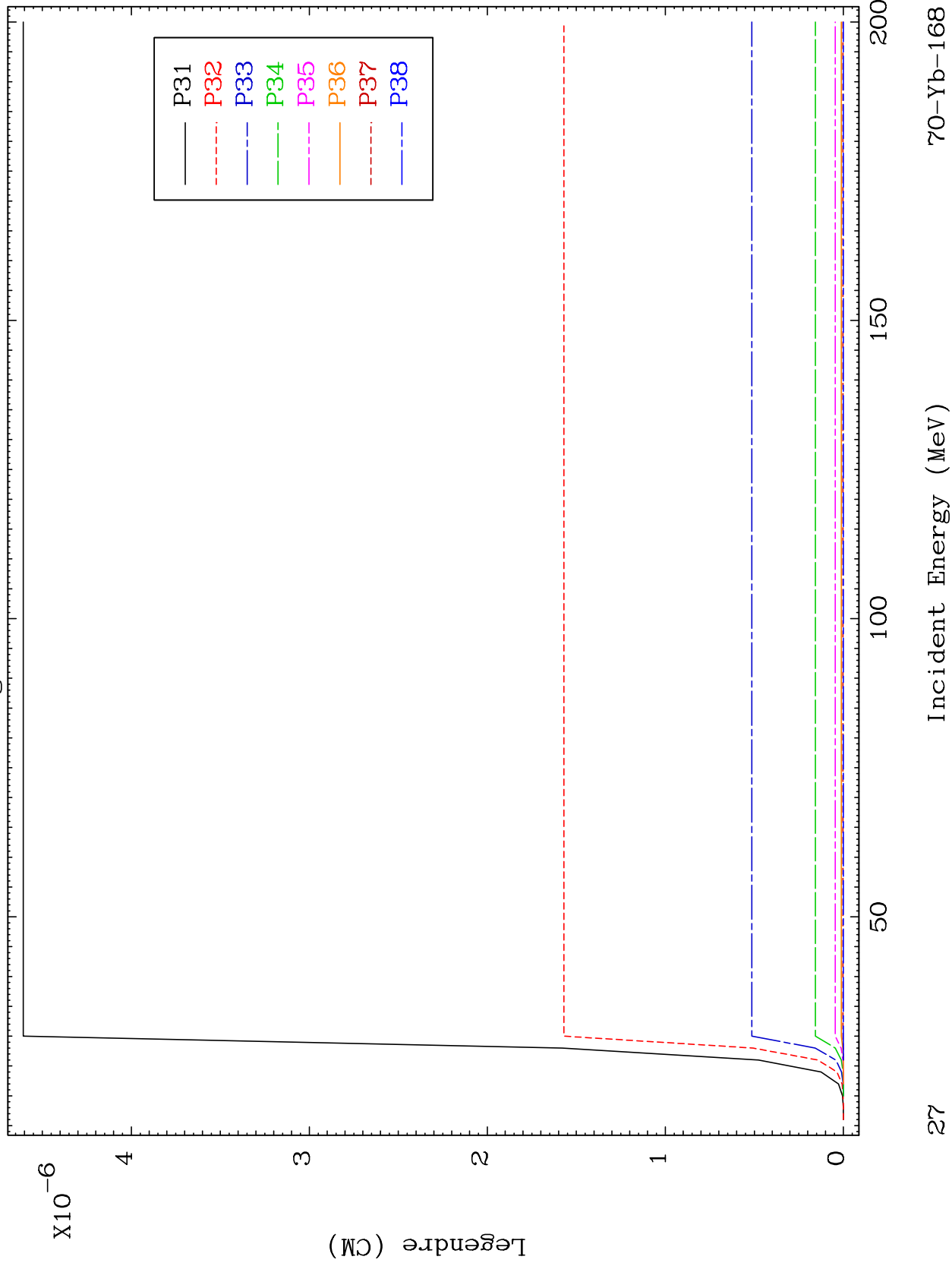
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

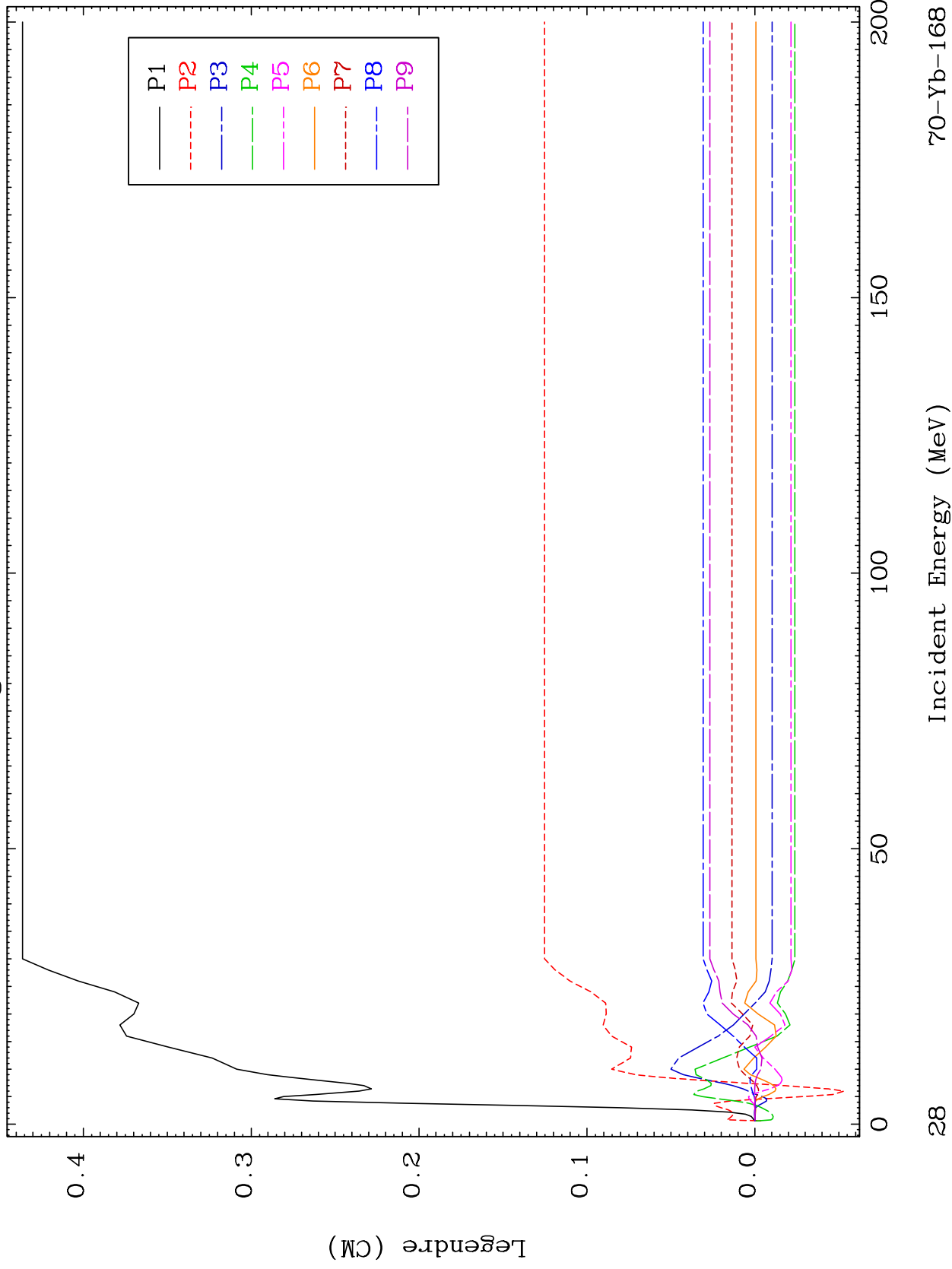
70-Yb-168



MAT 7025

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

70-Yb-168

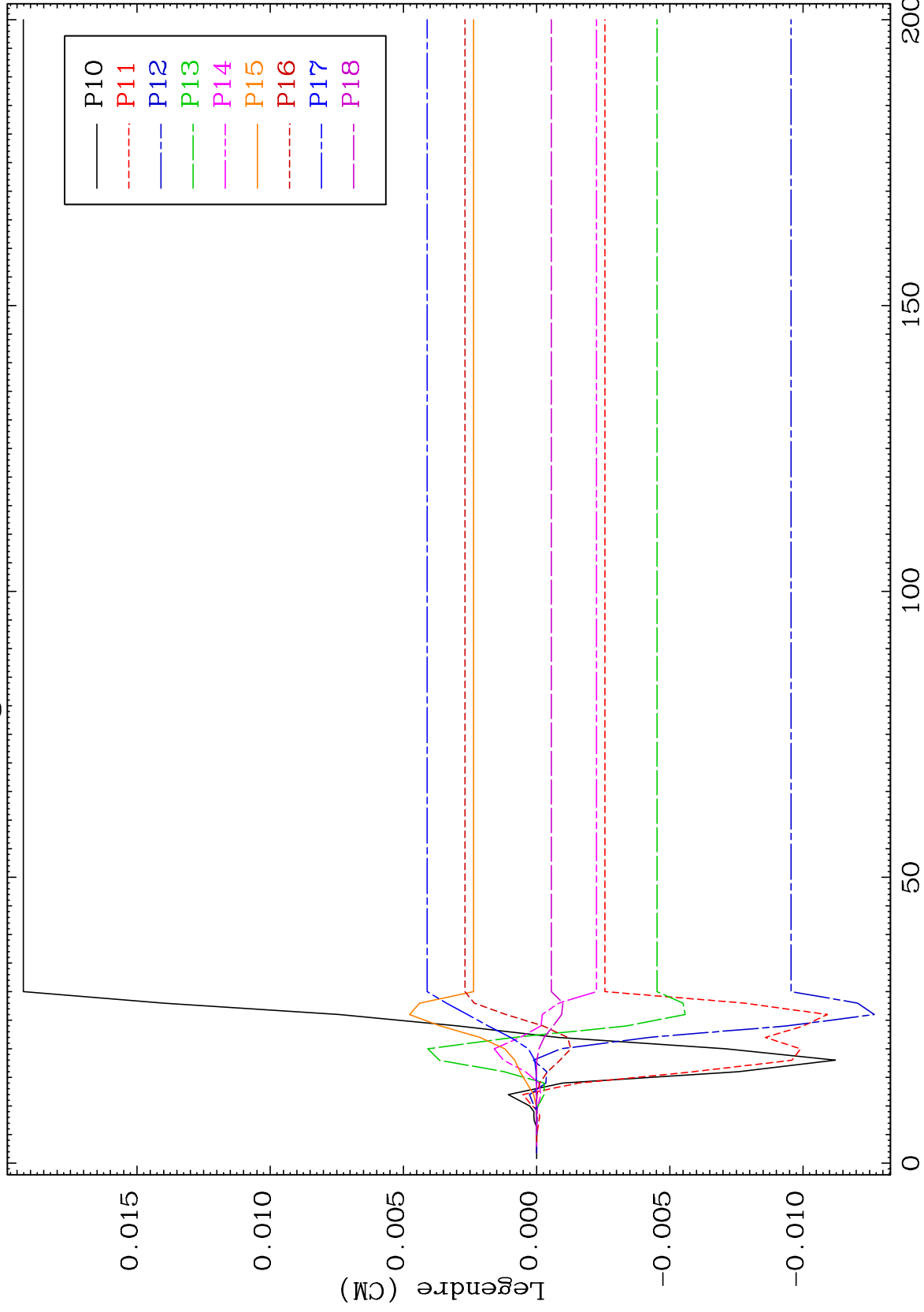


28

MAT 7025

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

70-Yb-168



29

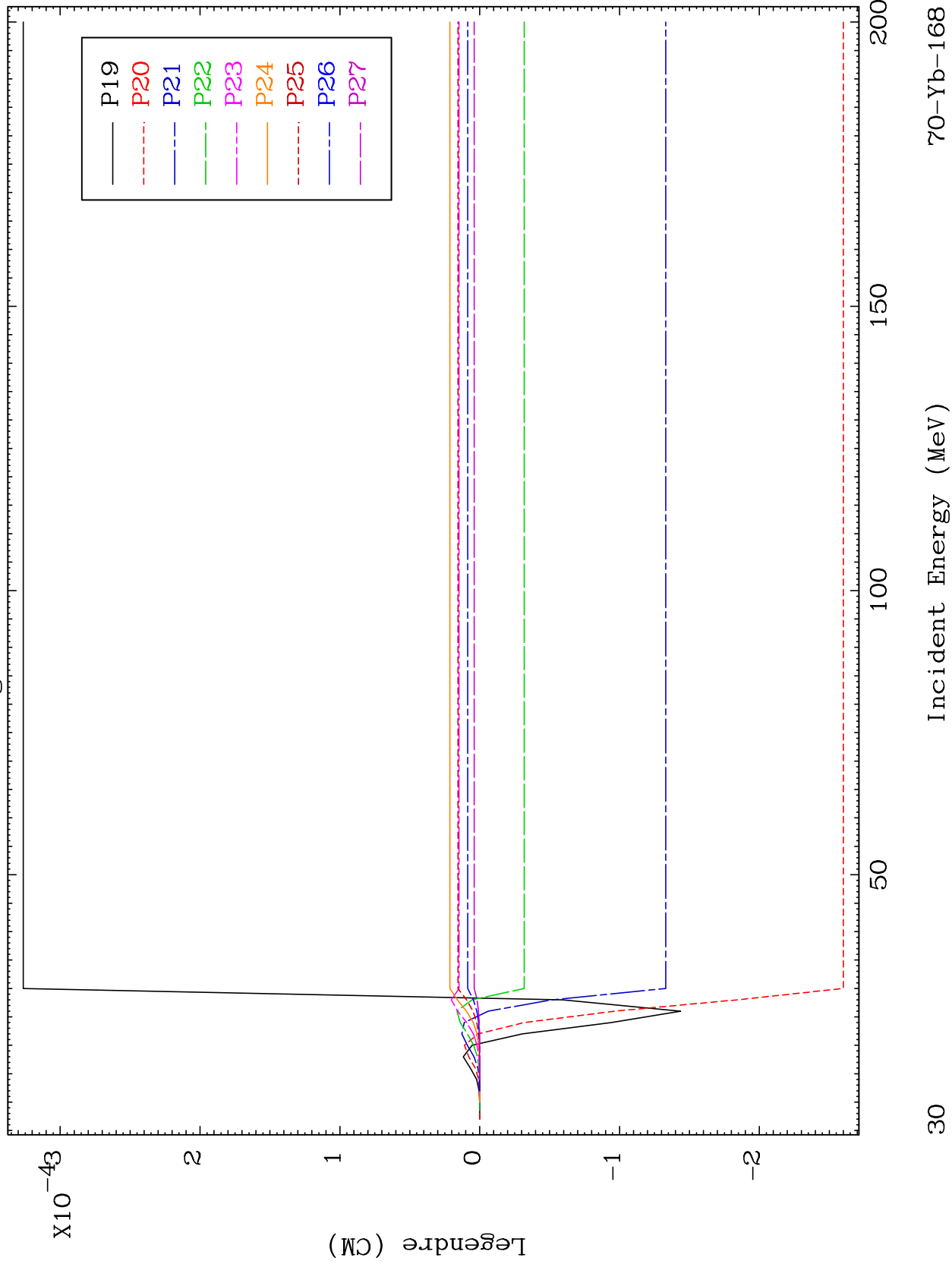
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



30

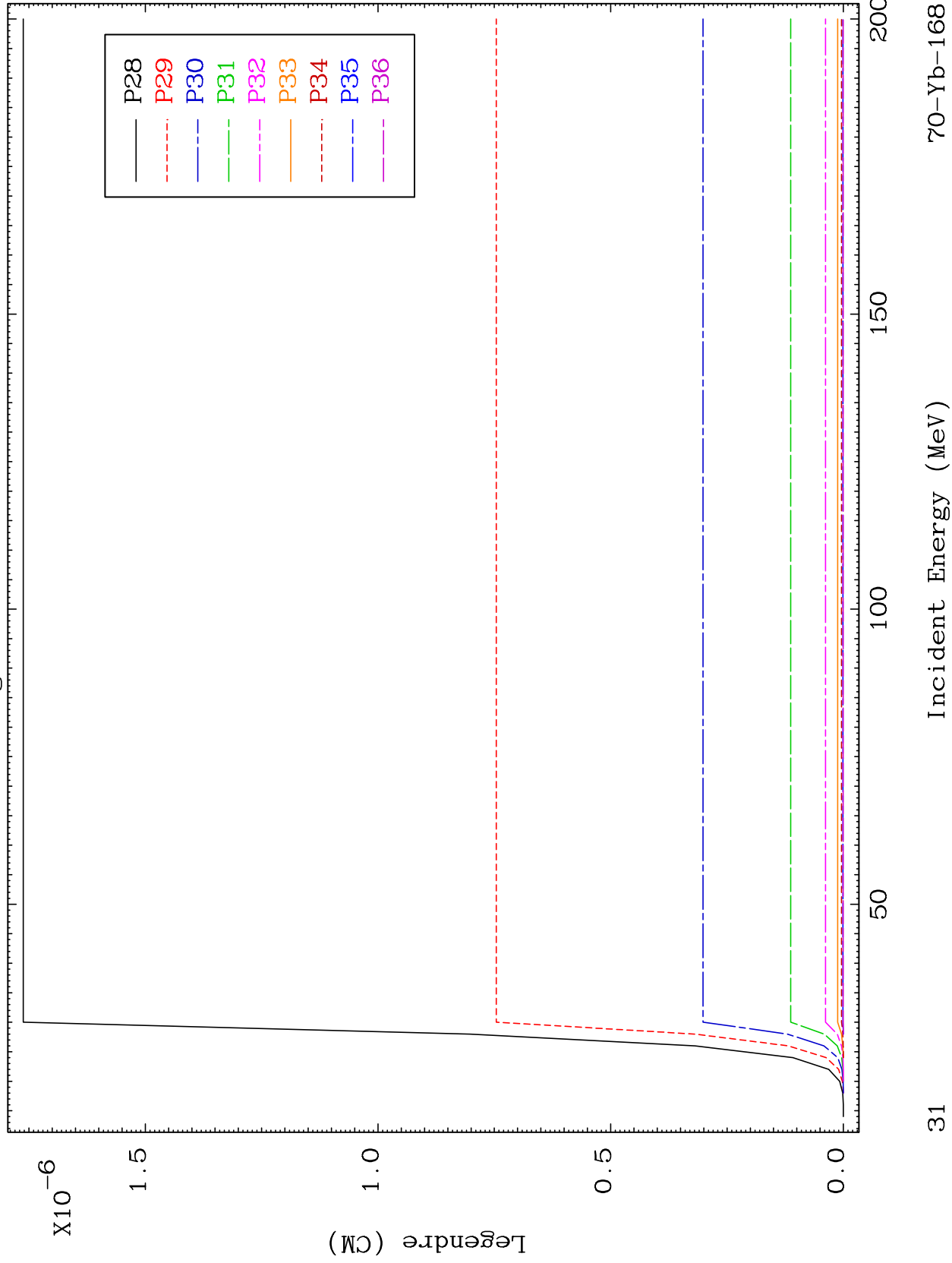
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

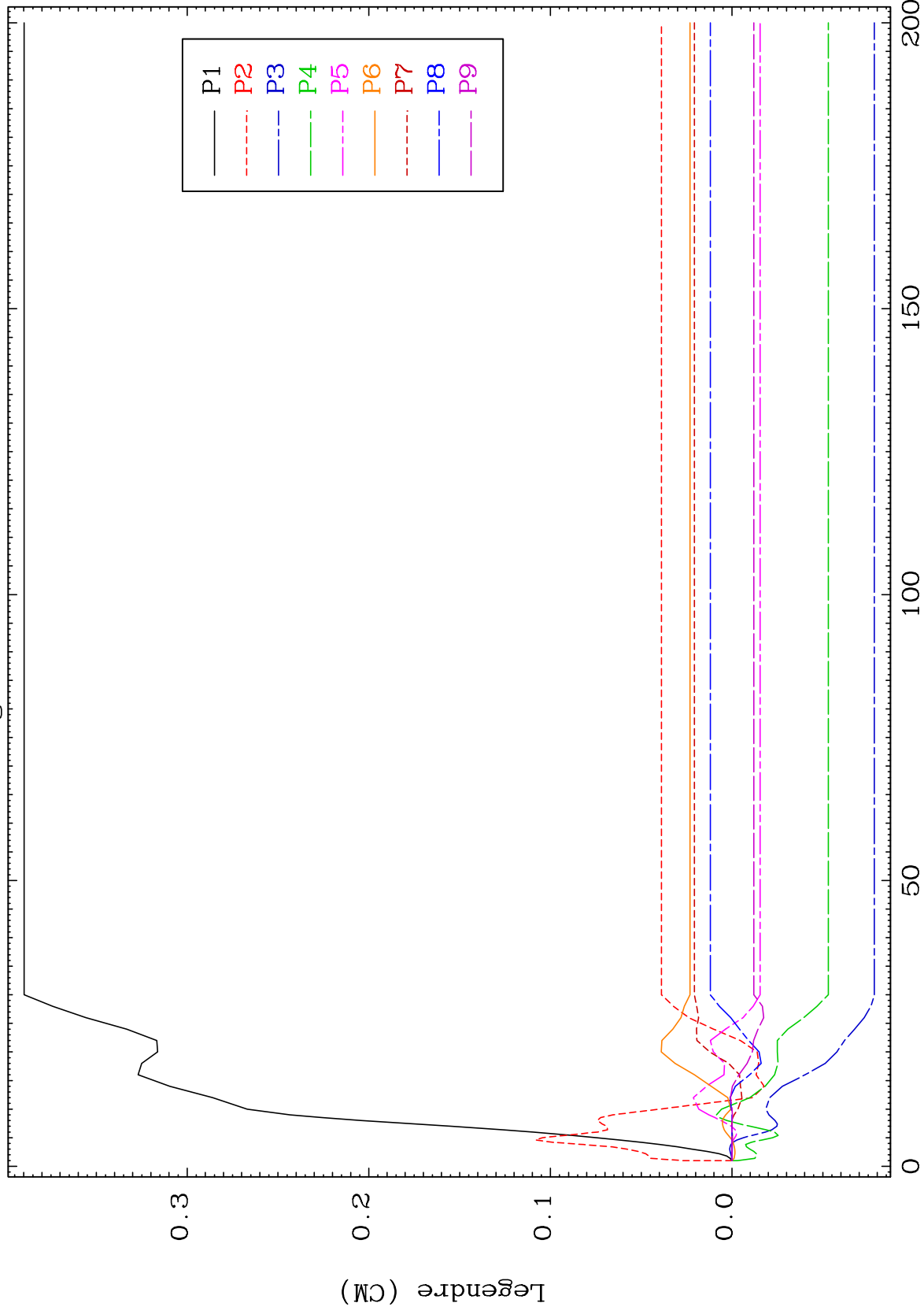


31

MAT 7025

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

70-Yb-168



32

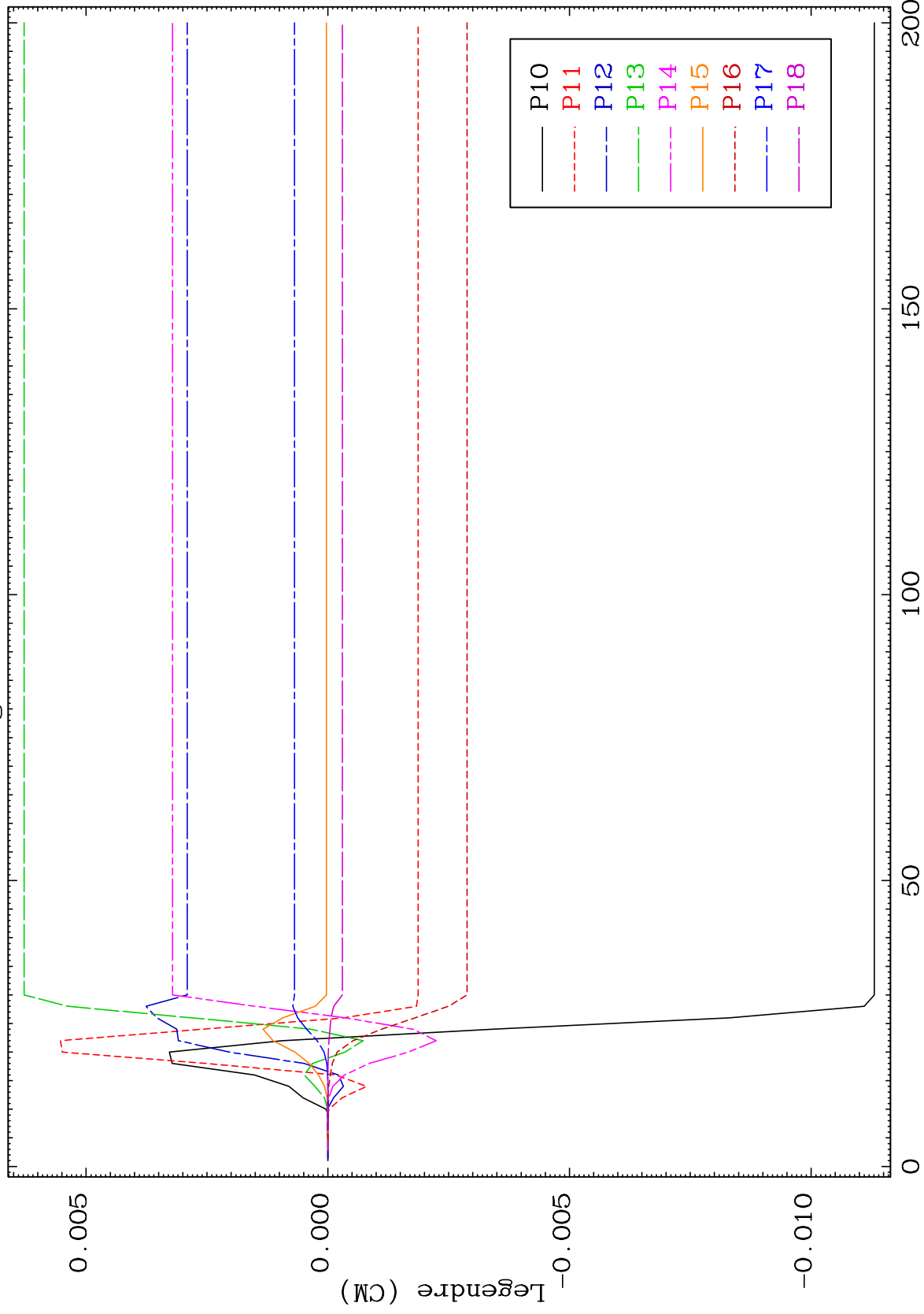
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



33

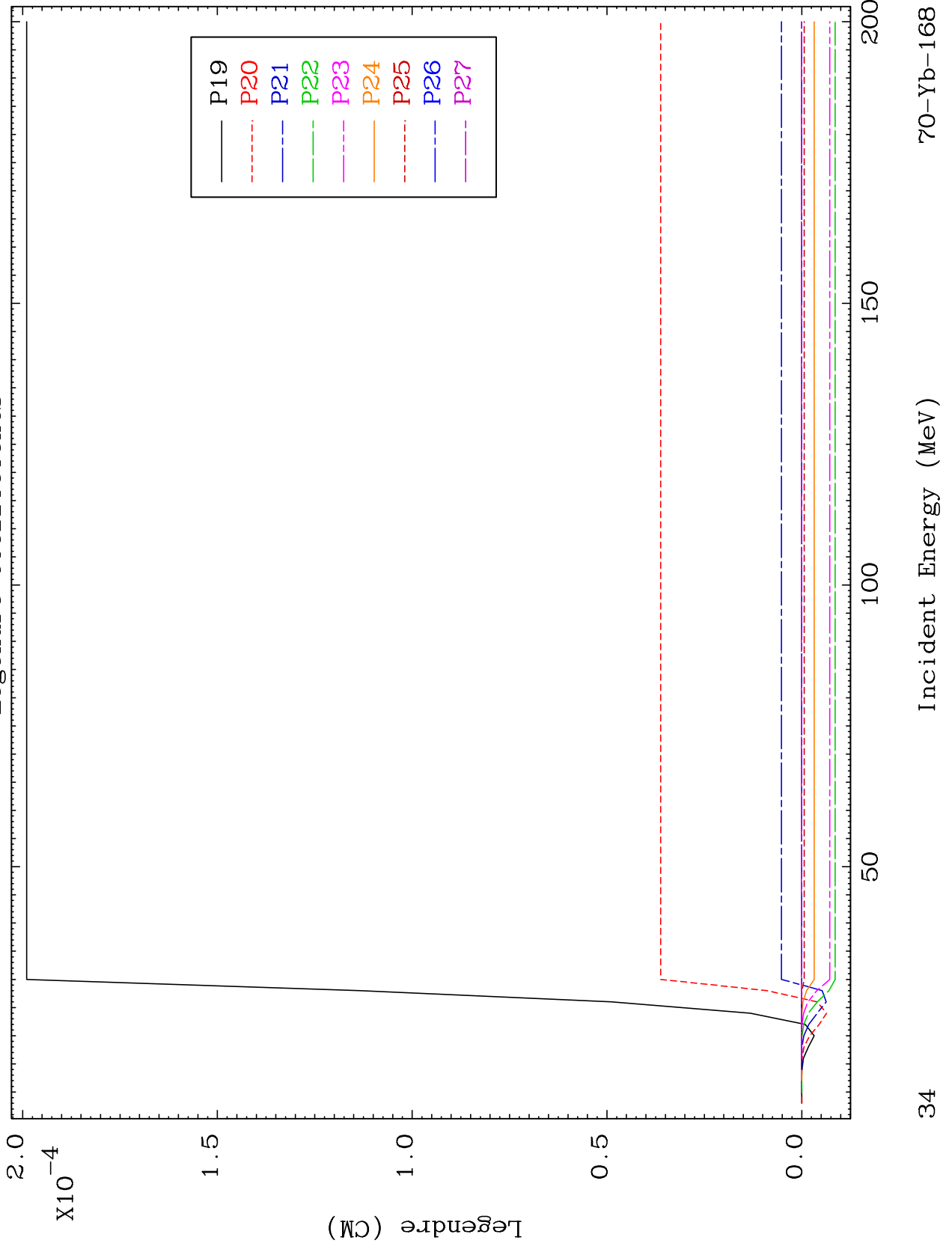
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



34

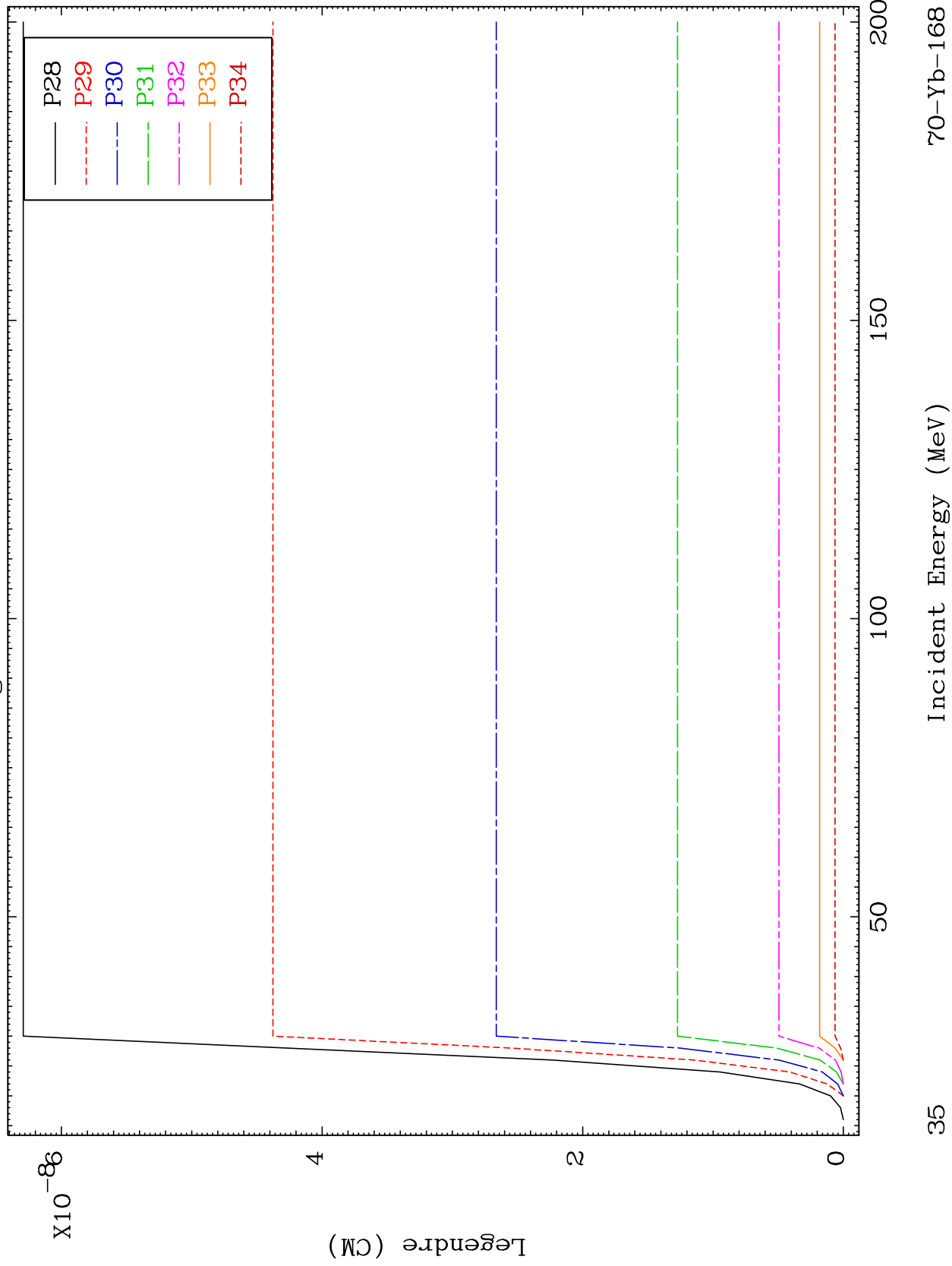
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

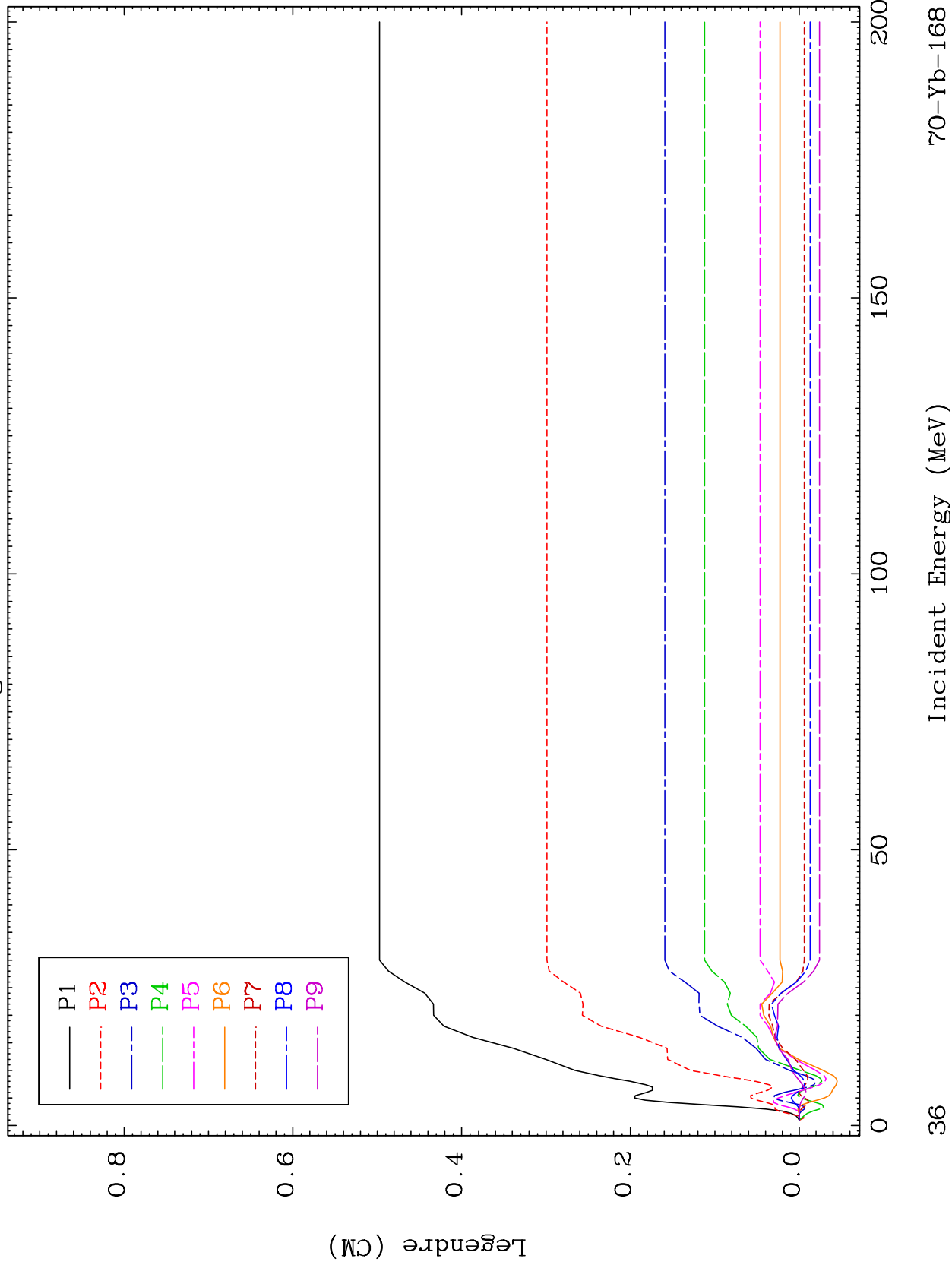
70-Yb-168



MAT 7025

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

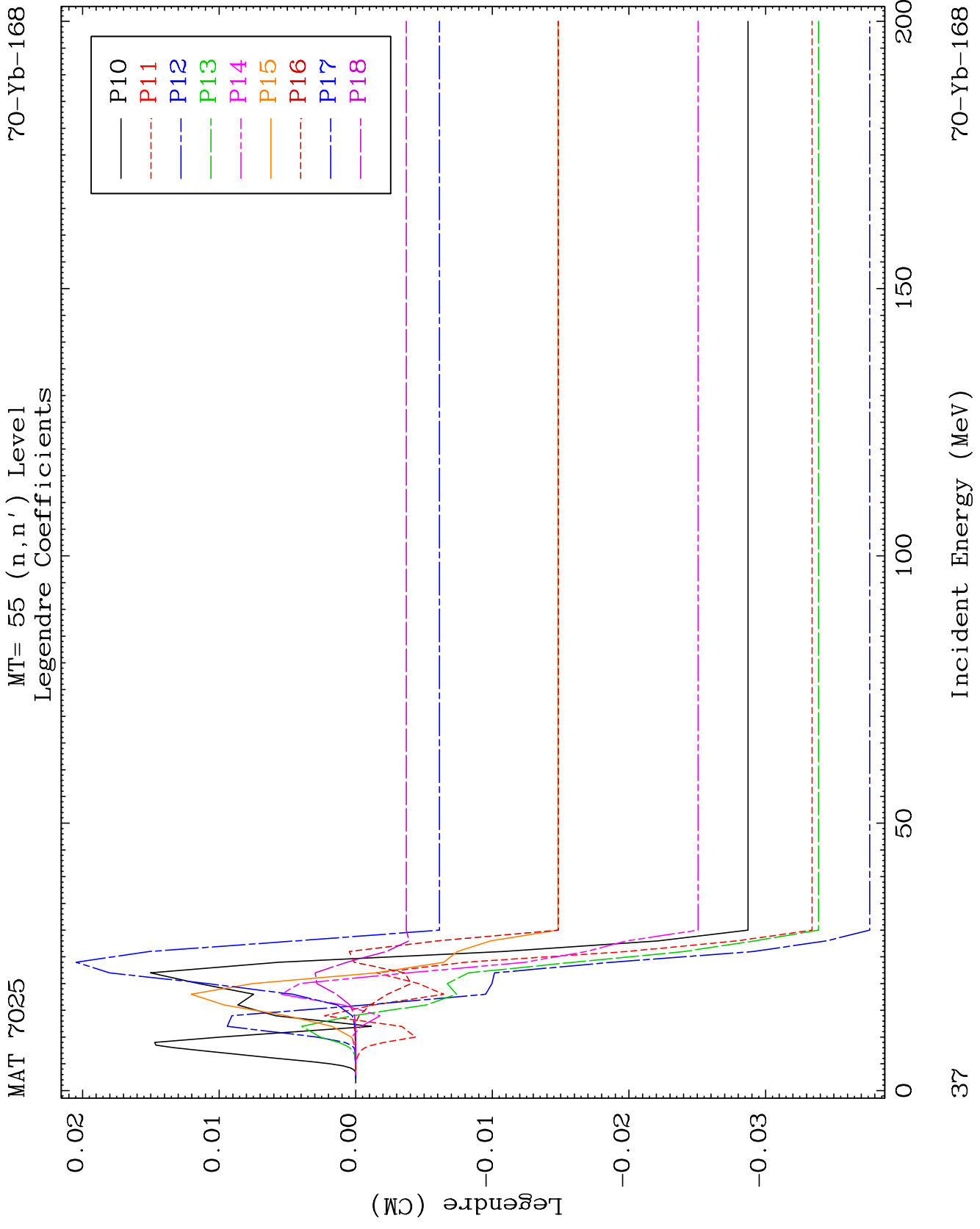
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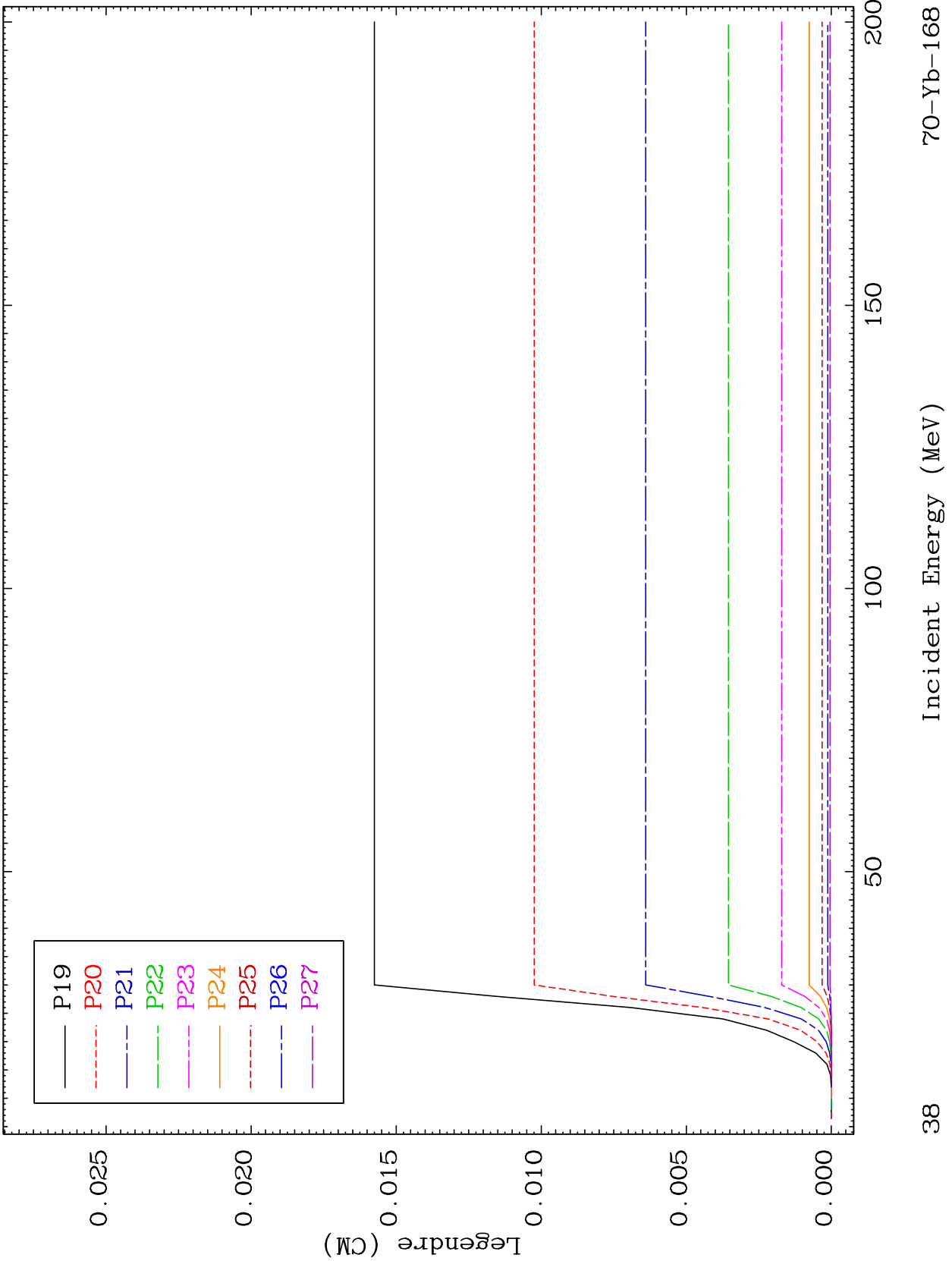


36

Incident Energy (MeV)

70-Yb-168

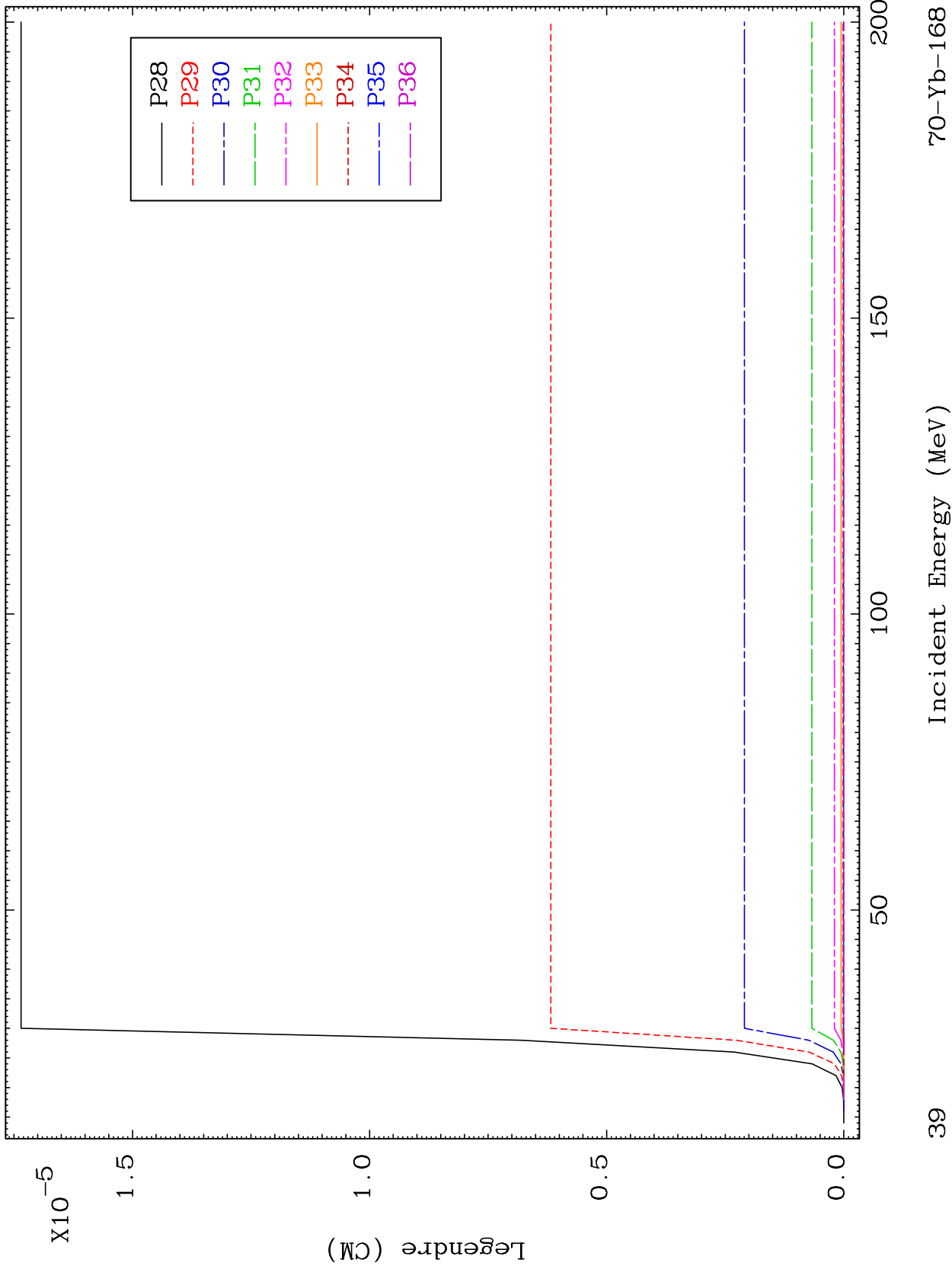




MAT 7025

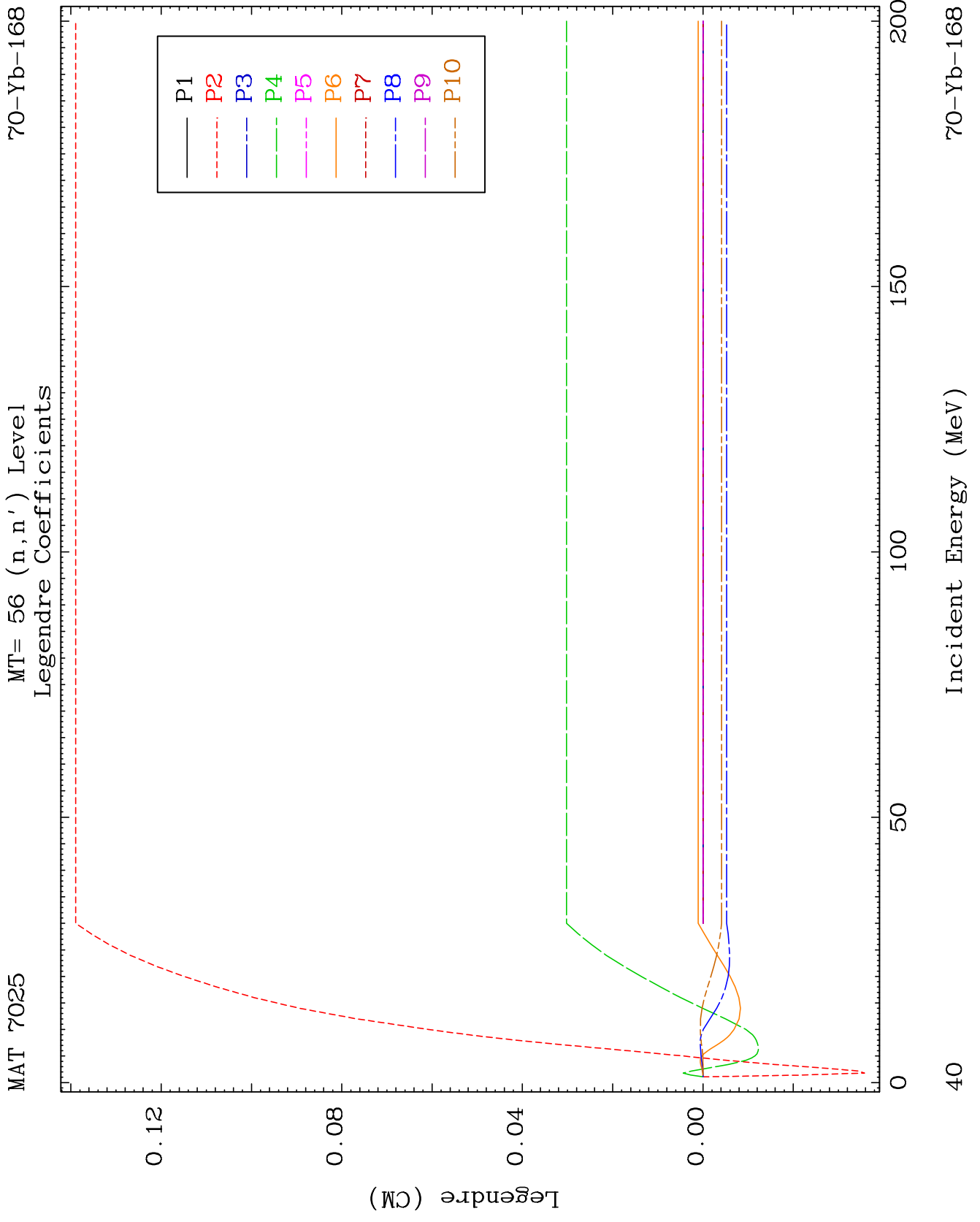
MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-168



39

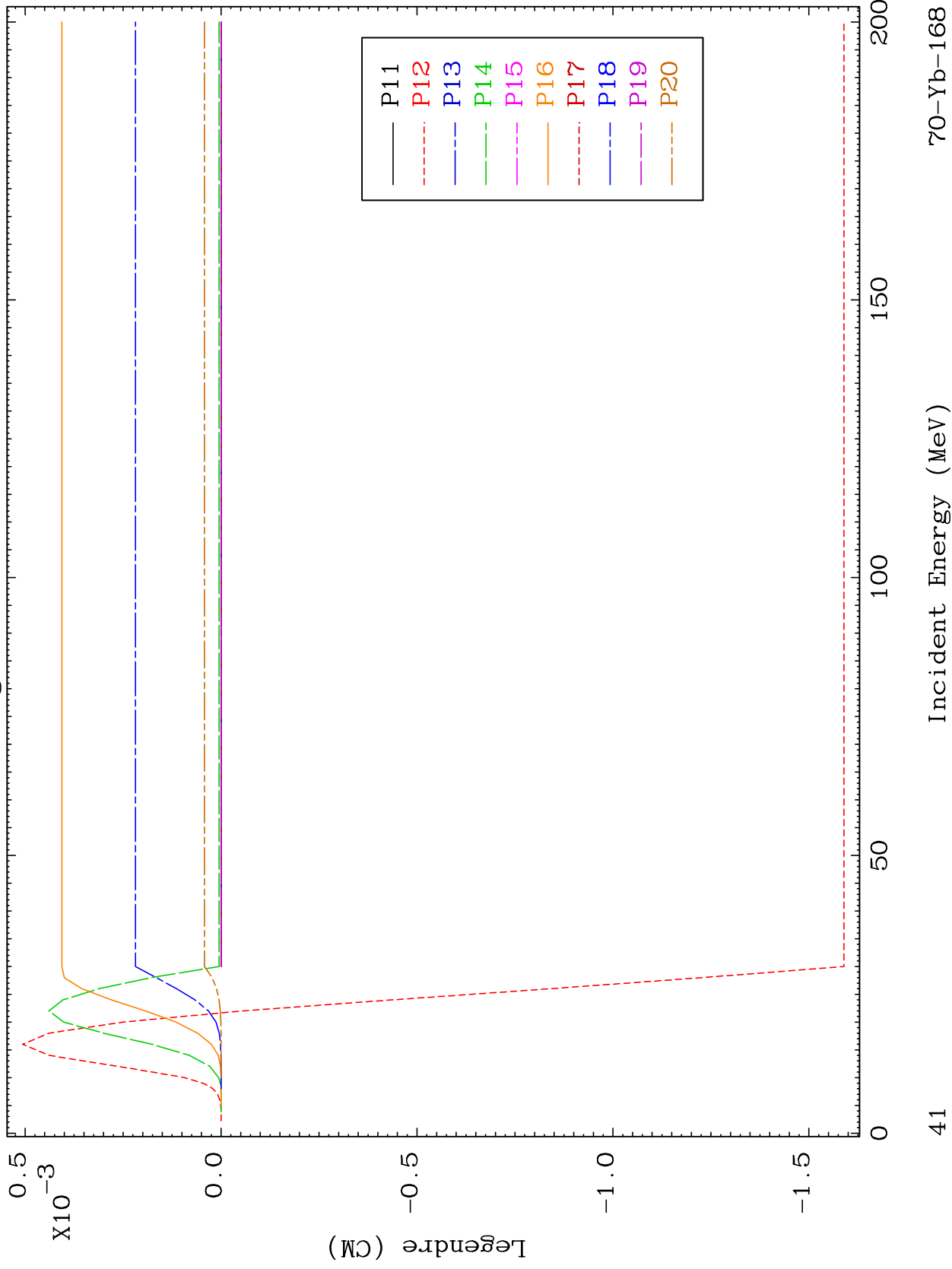
70-Yb-168



MAT 7025

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

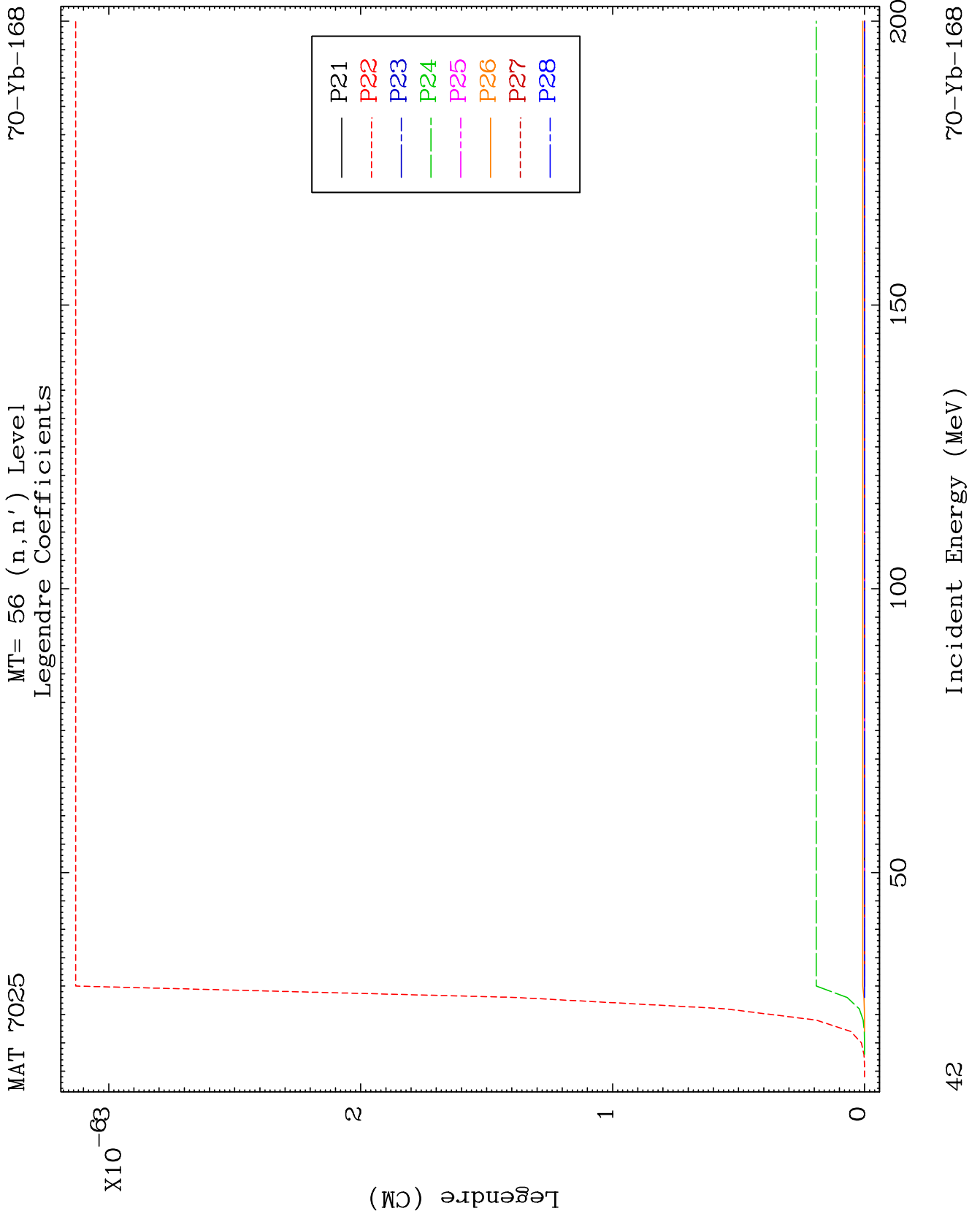
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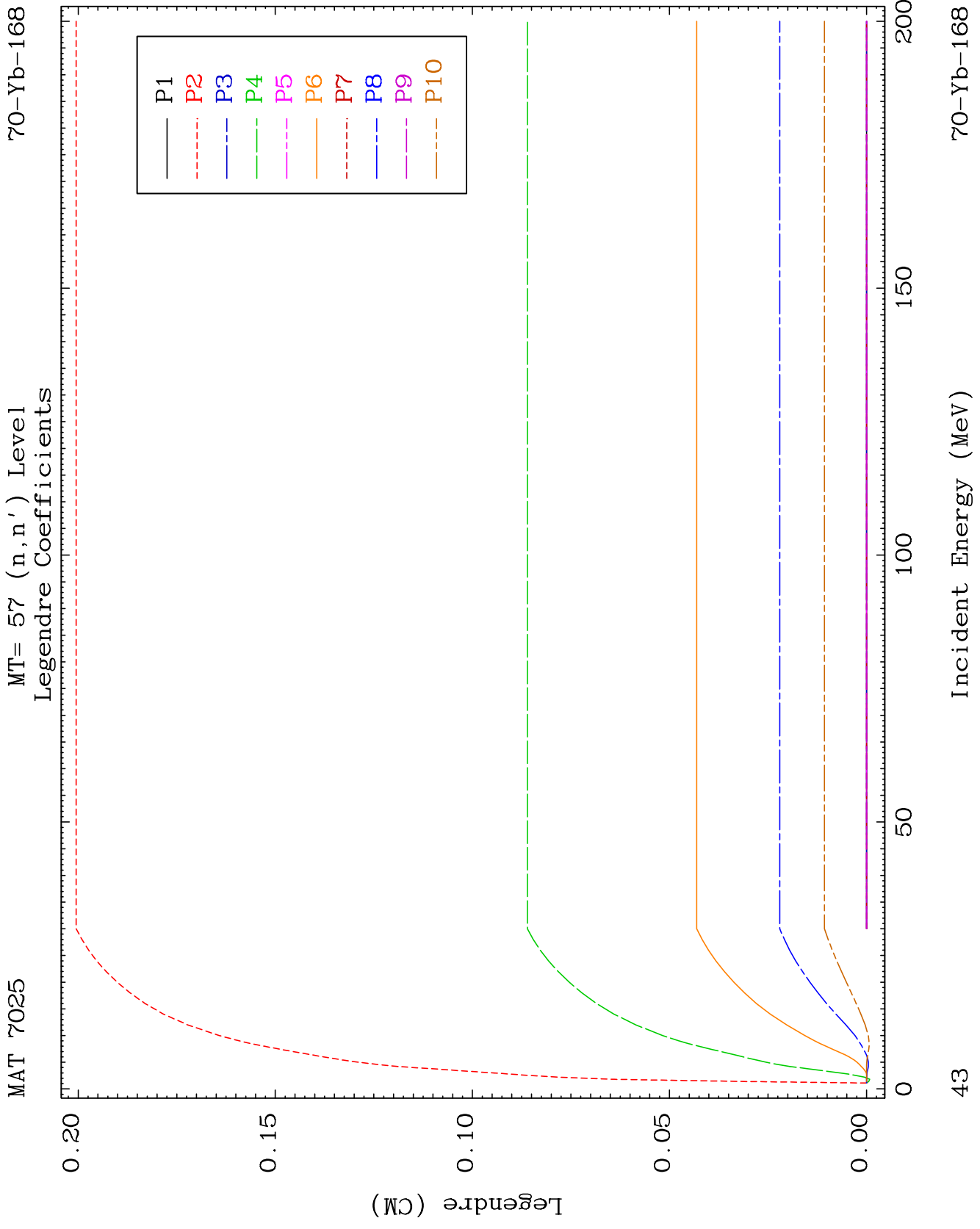


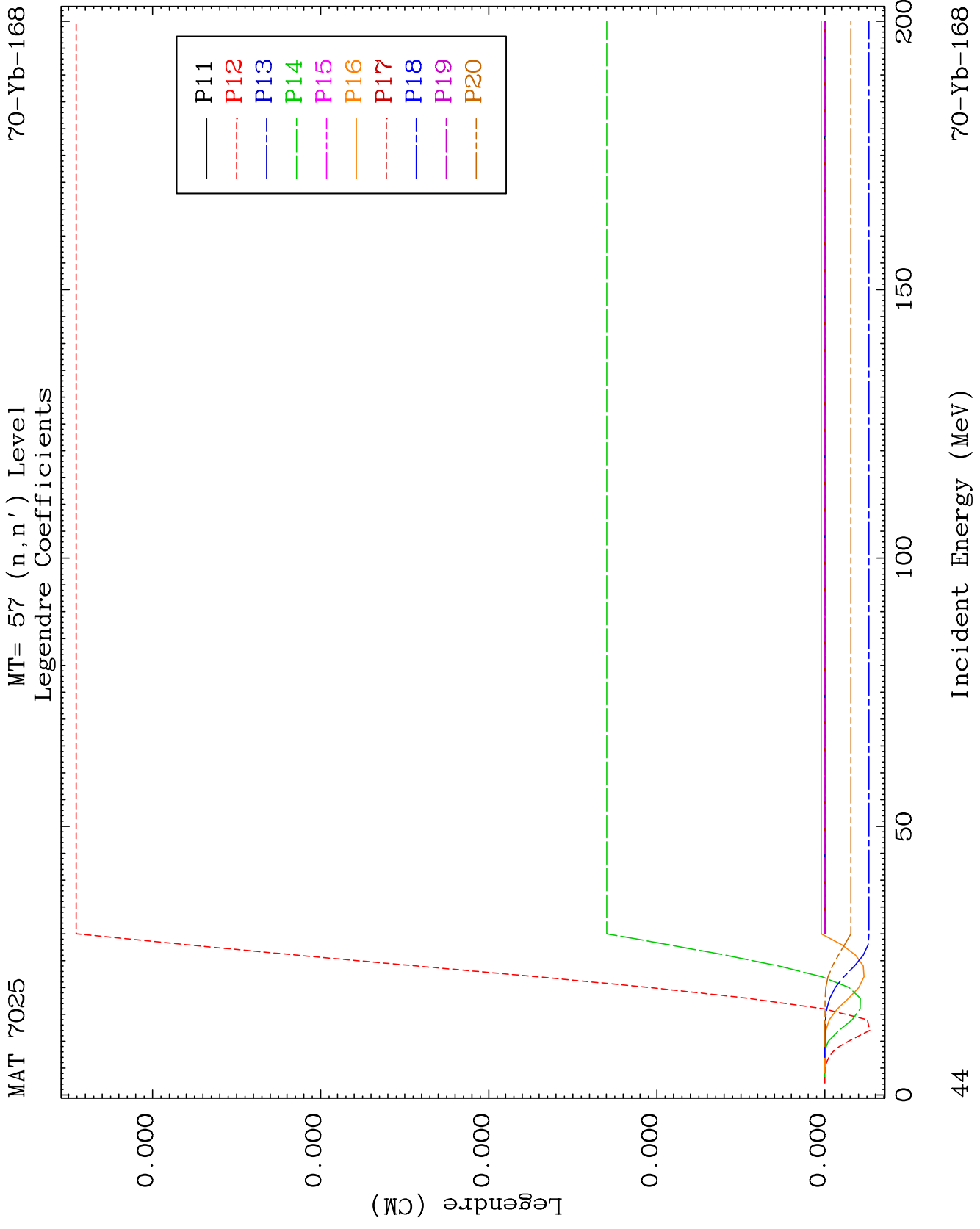
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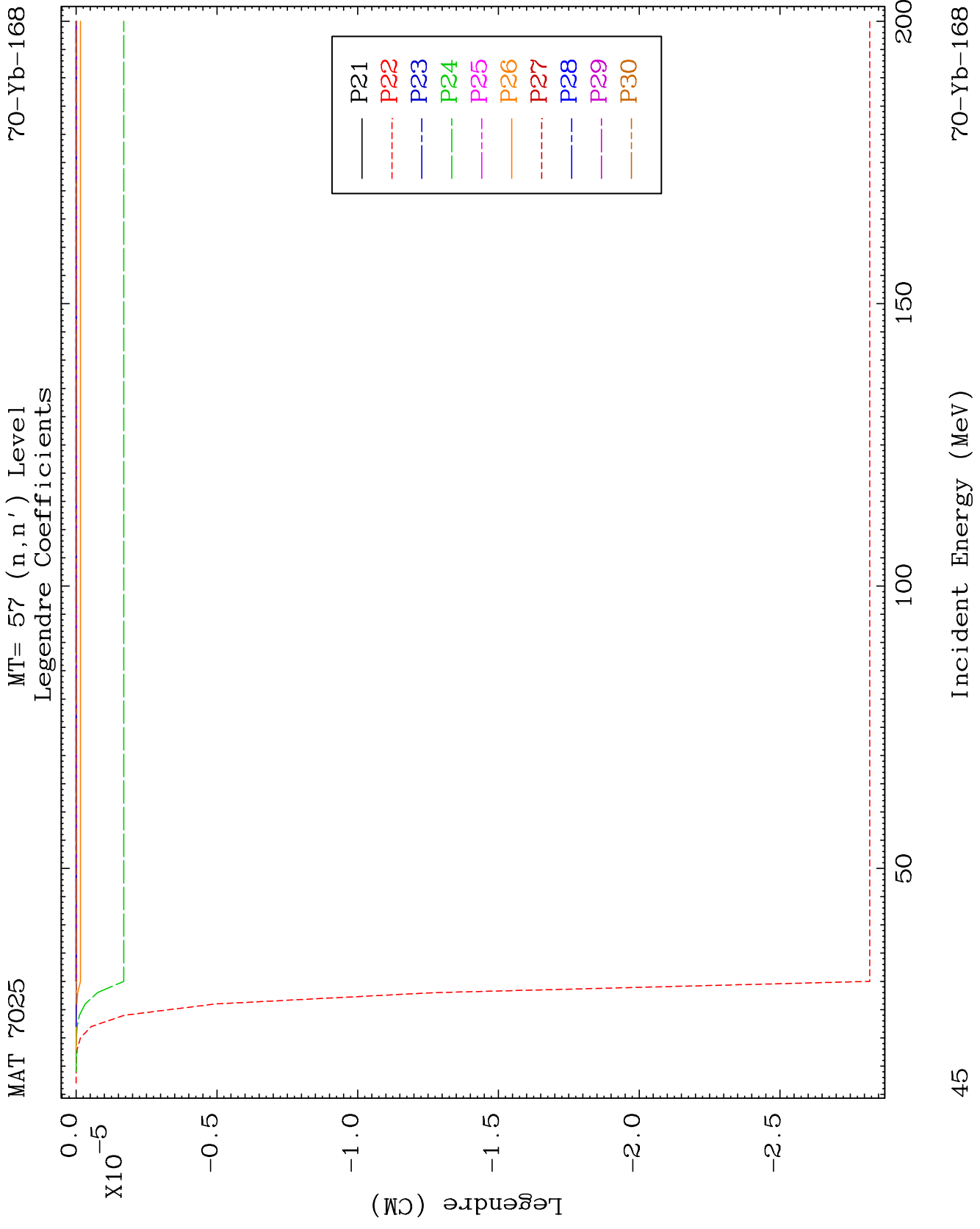
Incident Energy (MeV)

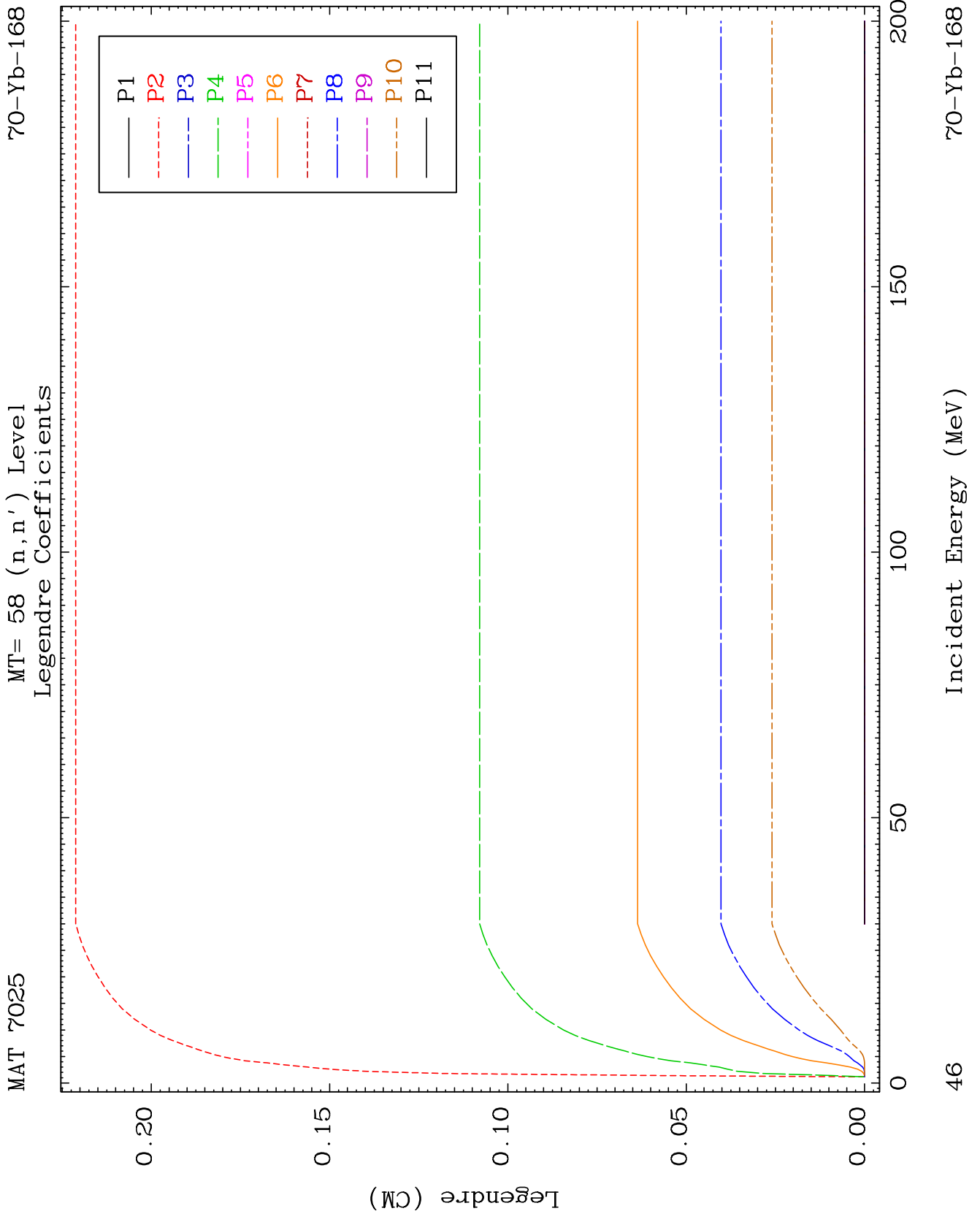
70-Yb-168







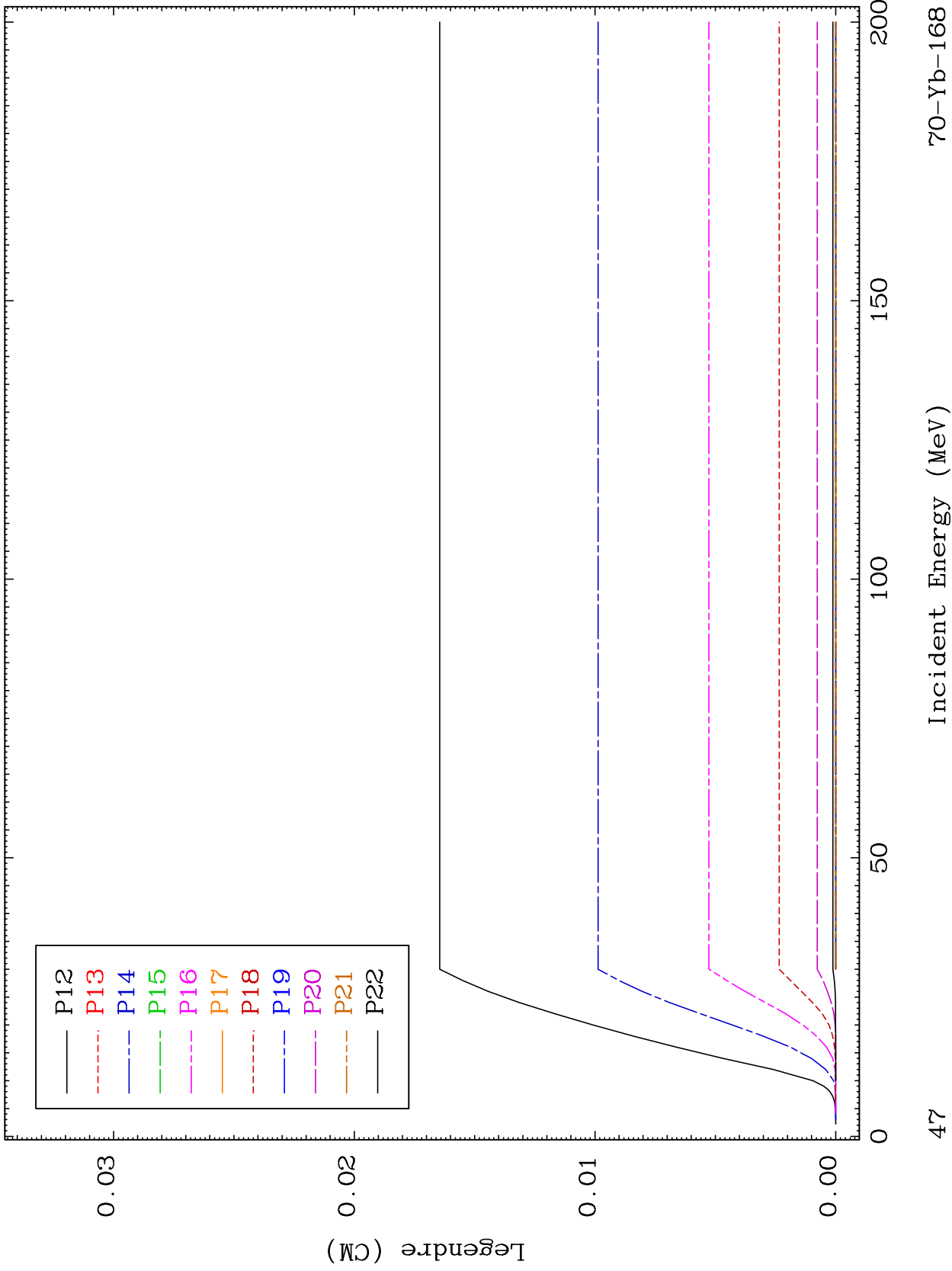




MAT 7025

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

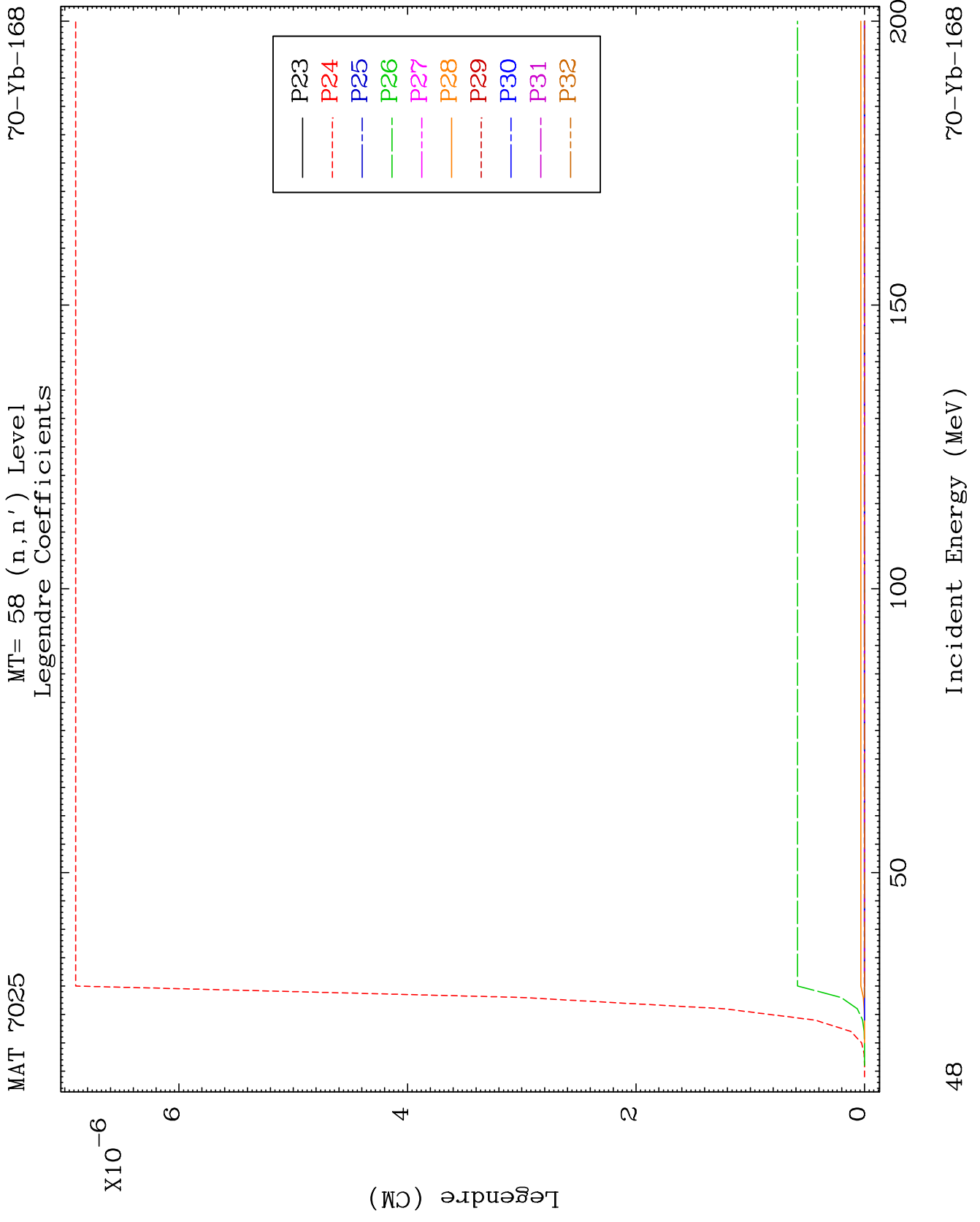
70-Yb-168



47

Incident Energy (MeV)

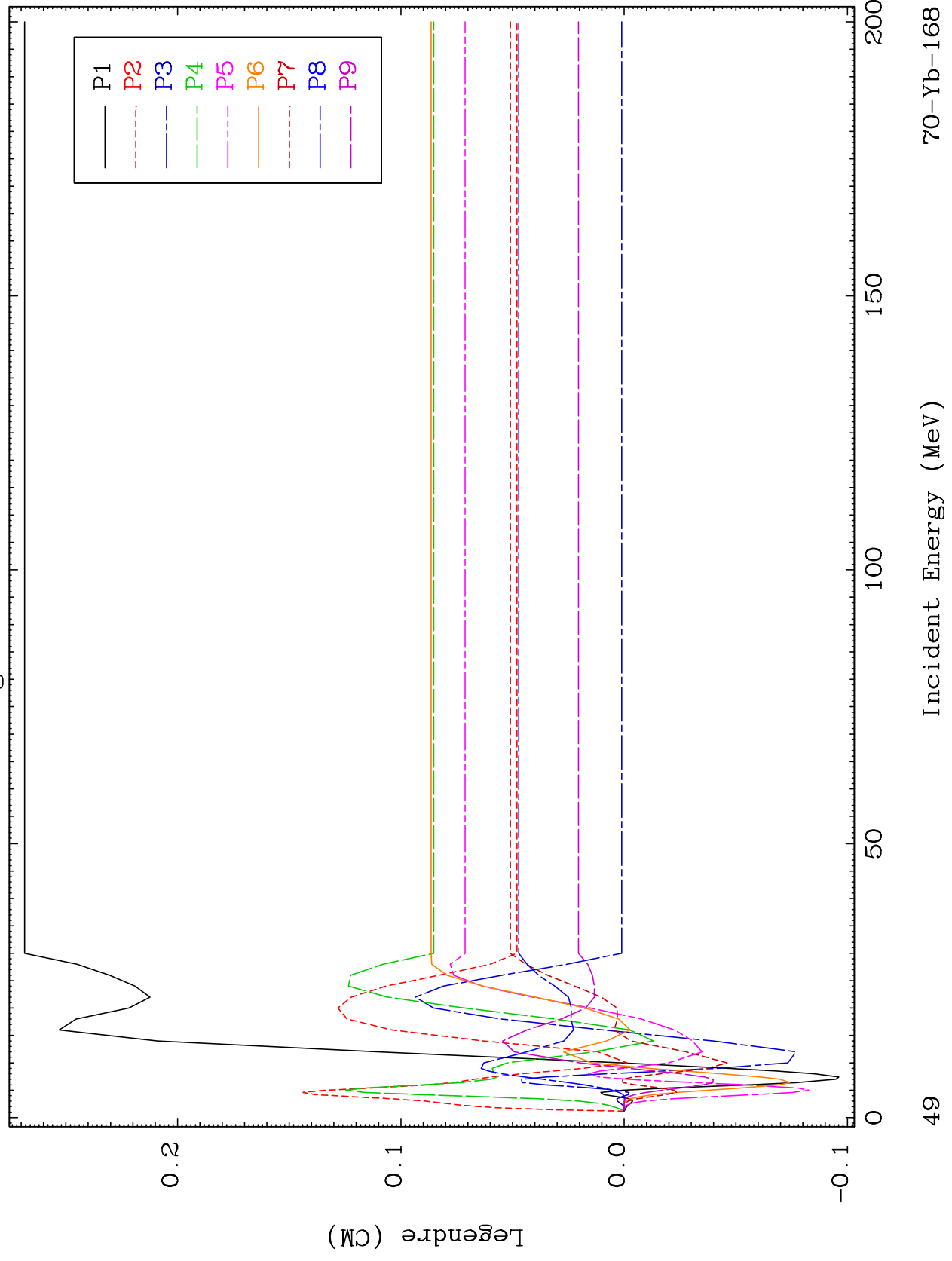
70-Yb-168



MAT 7025

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

70-Yb-168



70-Yb-168

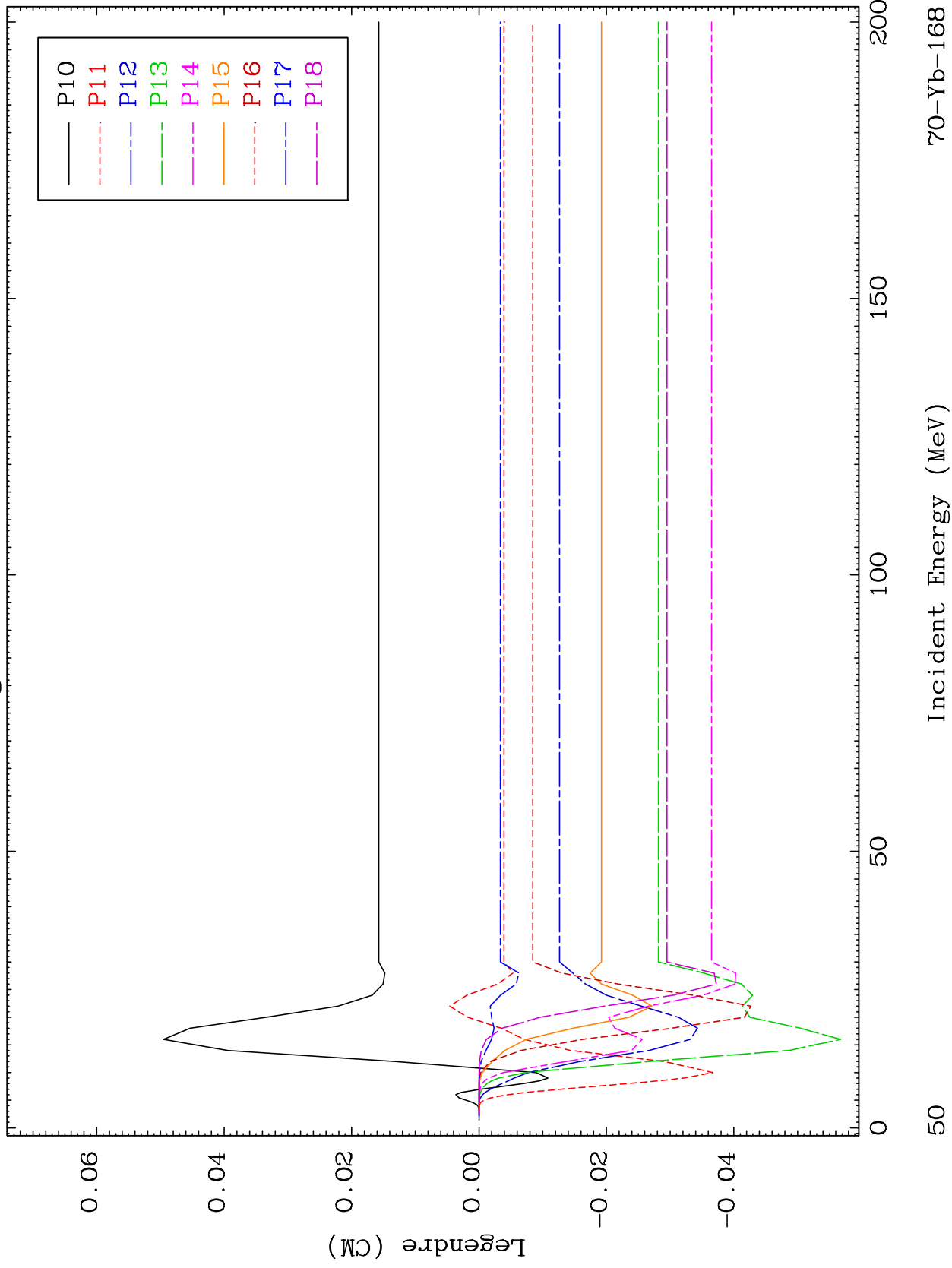
Incident Energy (MeV)

49

MAT 7025

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

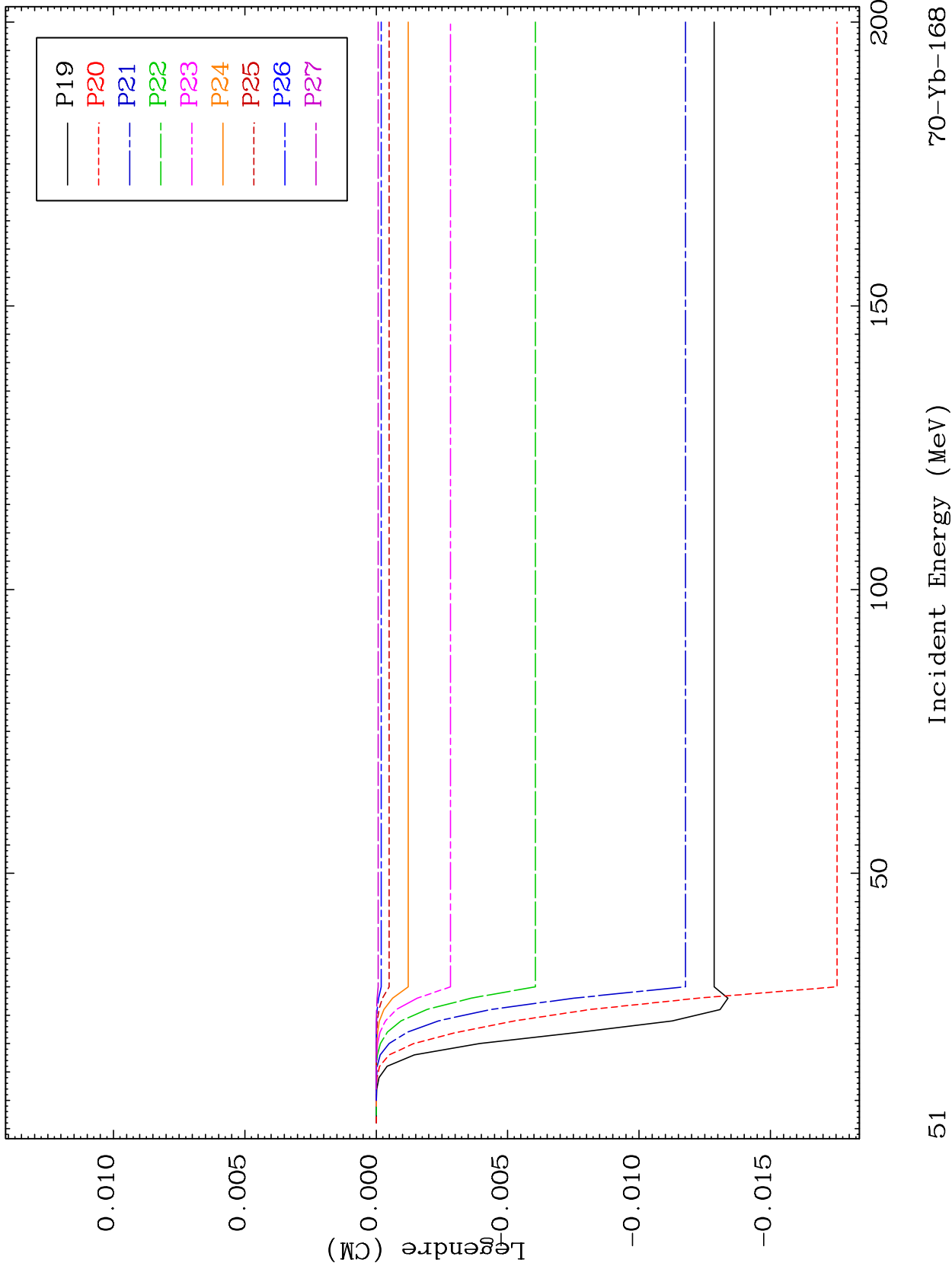
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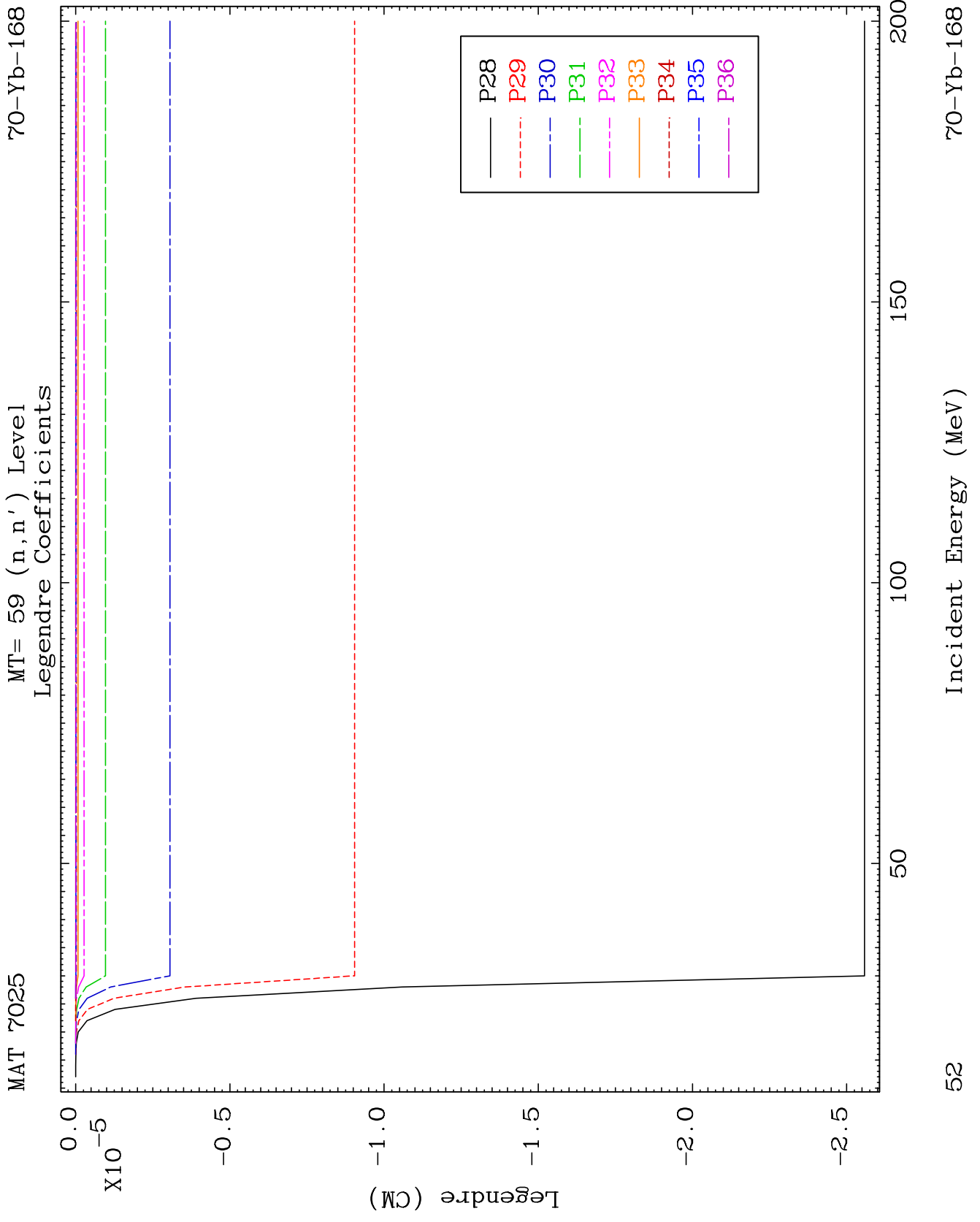


MAT 7025

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

70-Yb-168

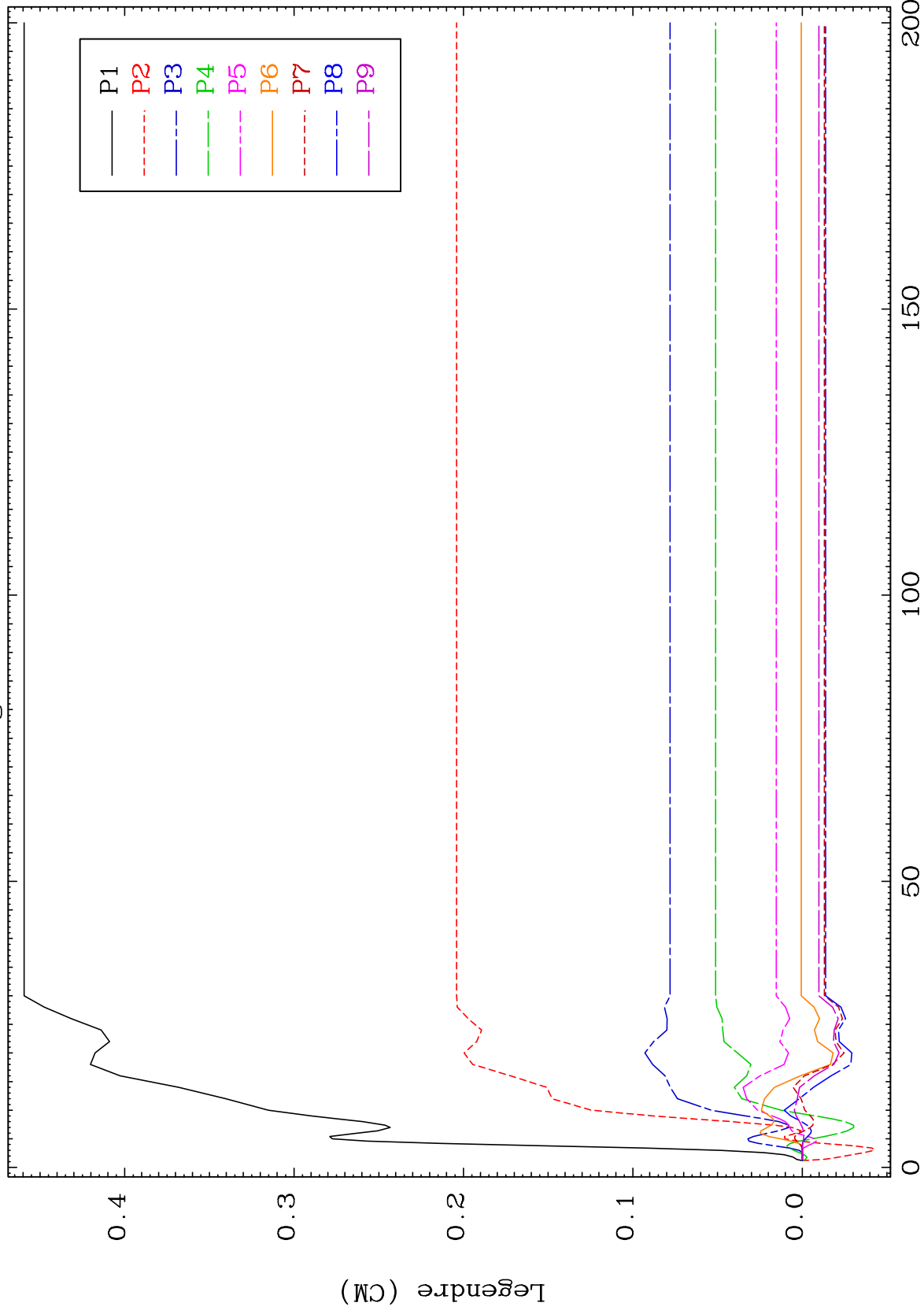




MAT 7025

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

70-Yb-168



53

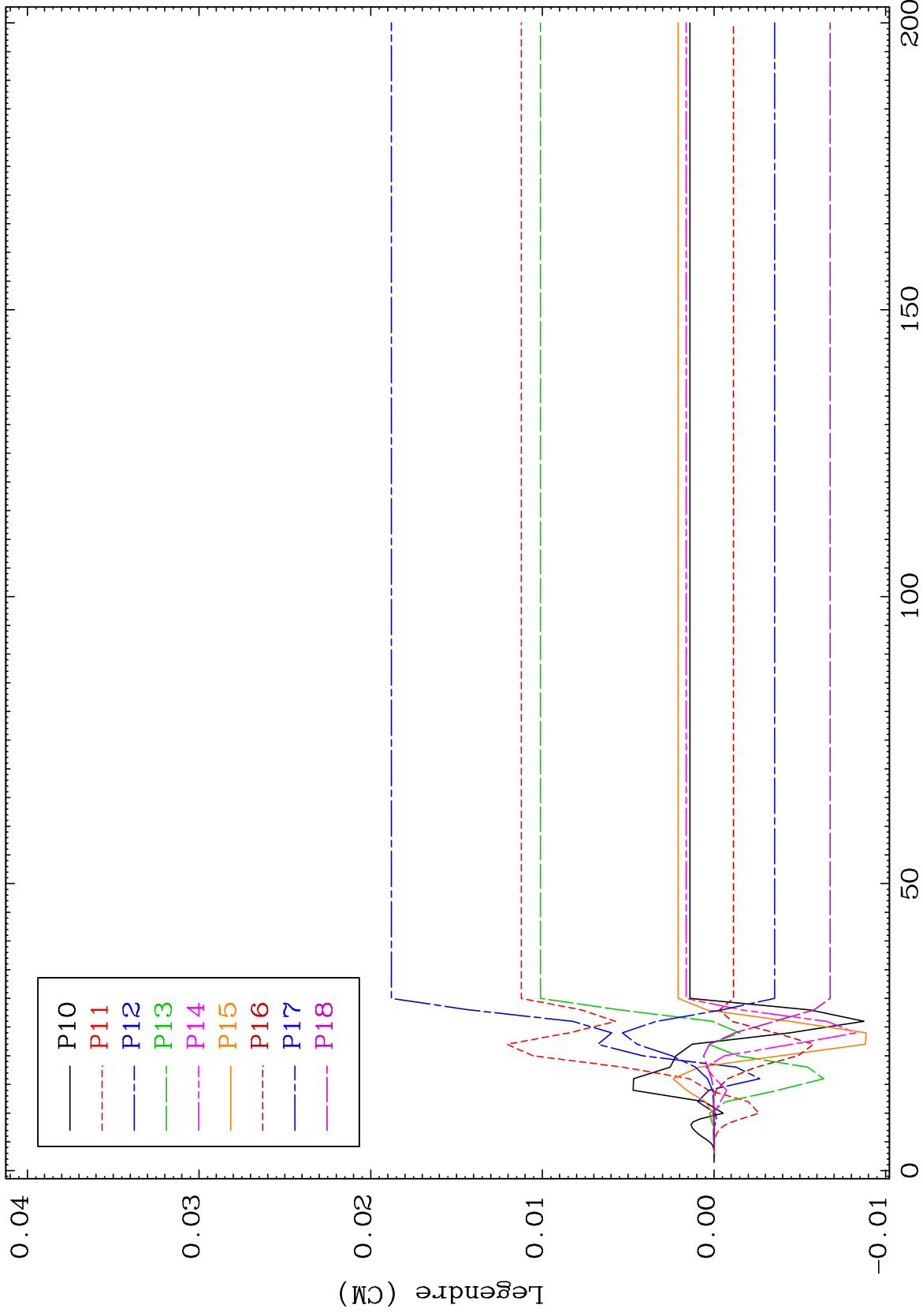
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

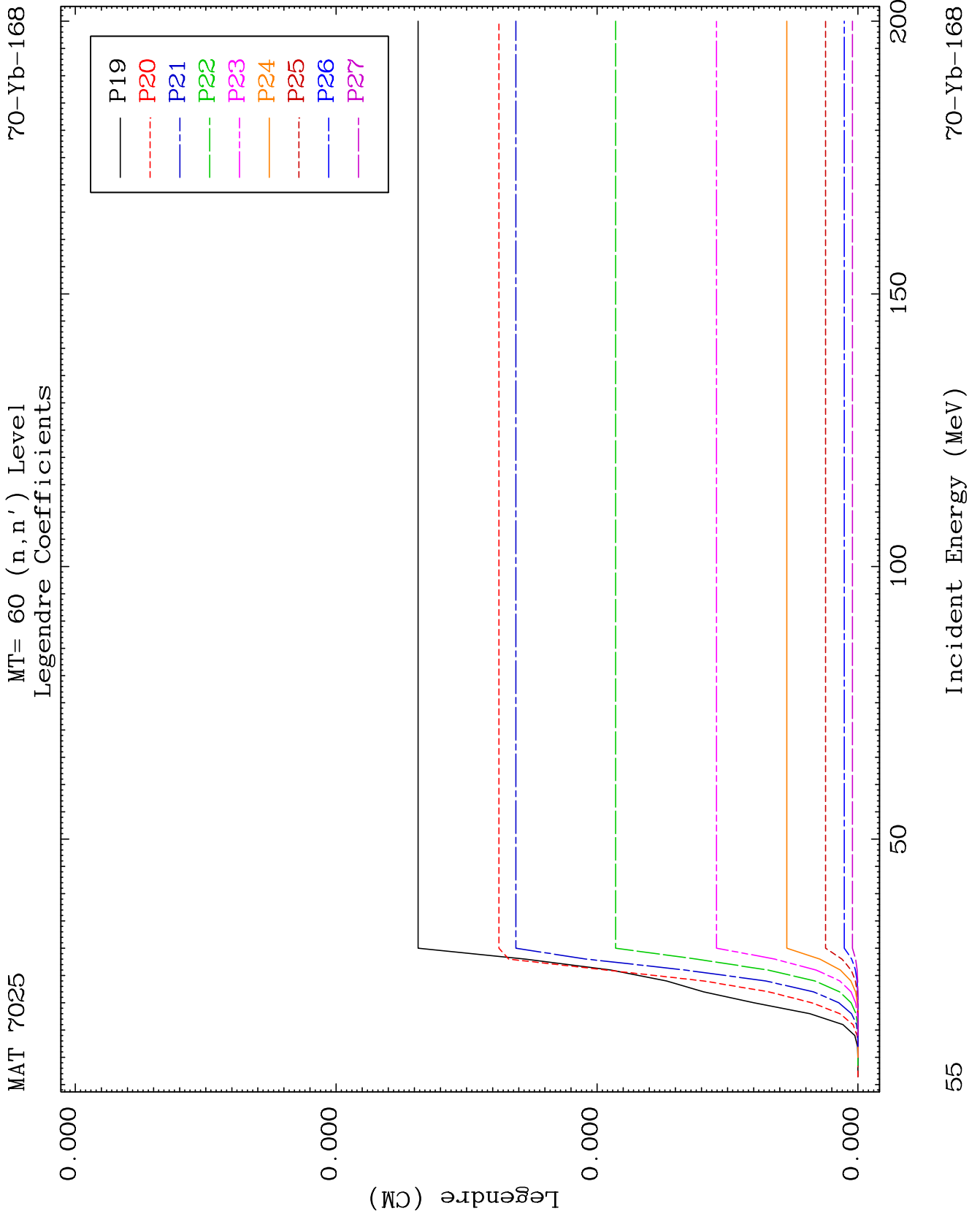
70-Yb-168

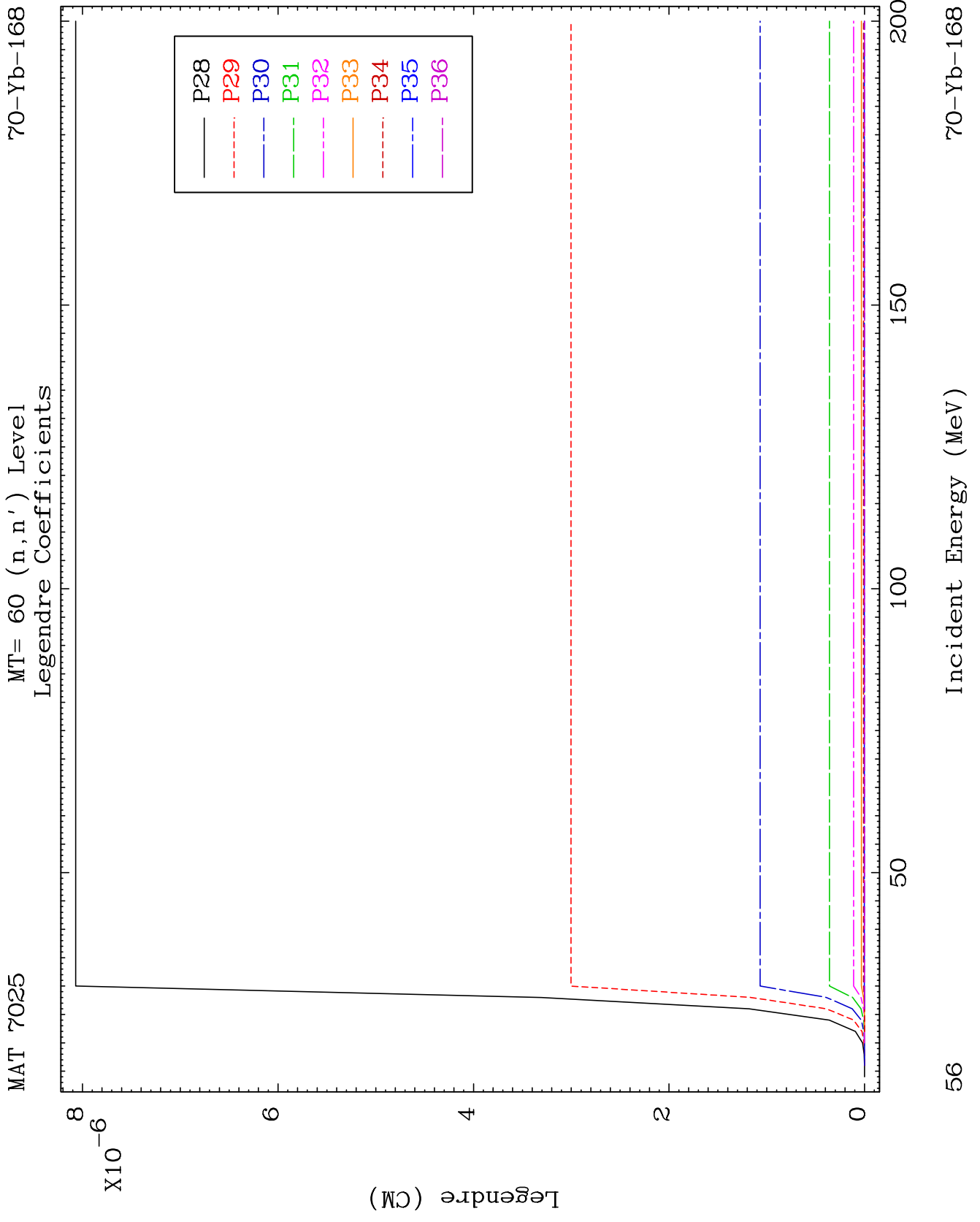


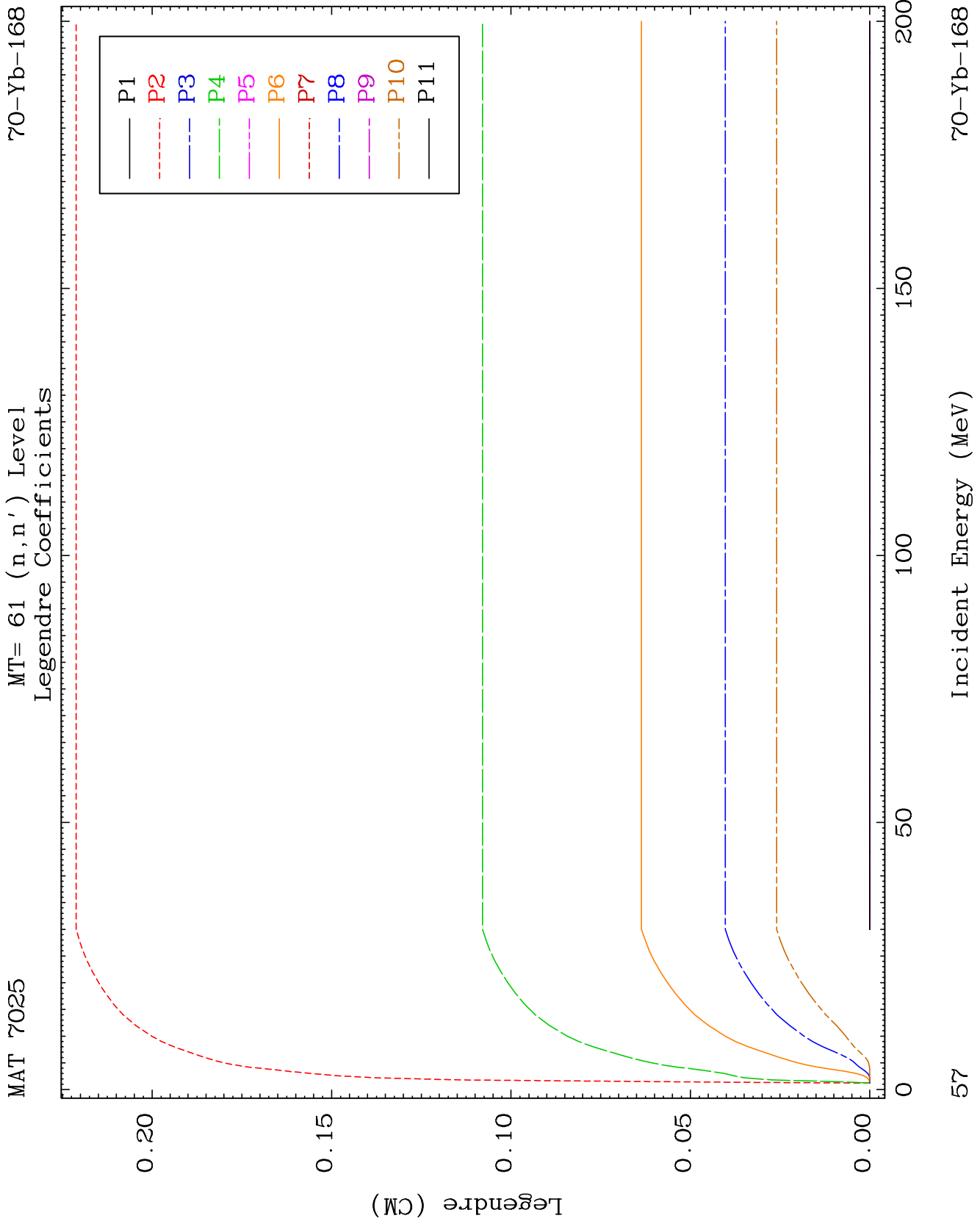
54

Incident Energy (MeV)

70-Yb-168



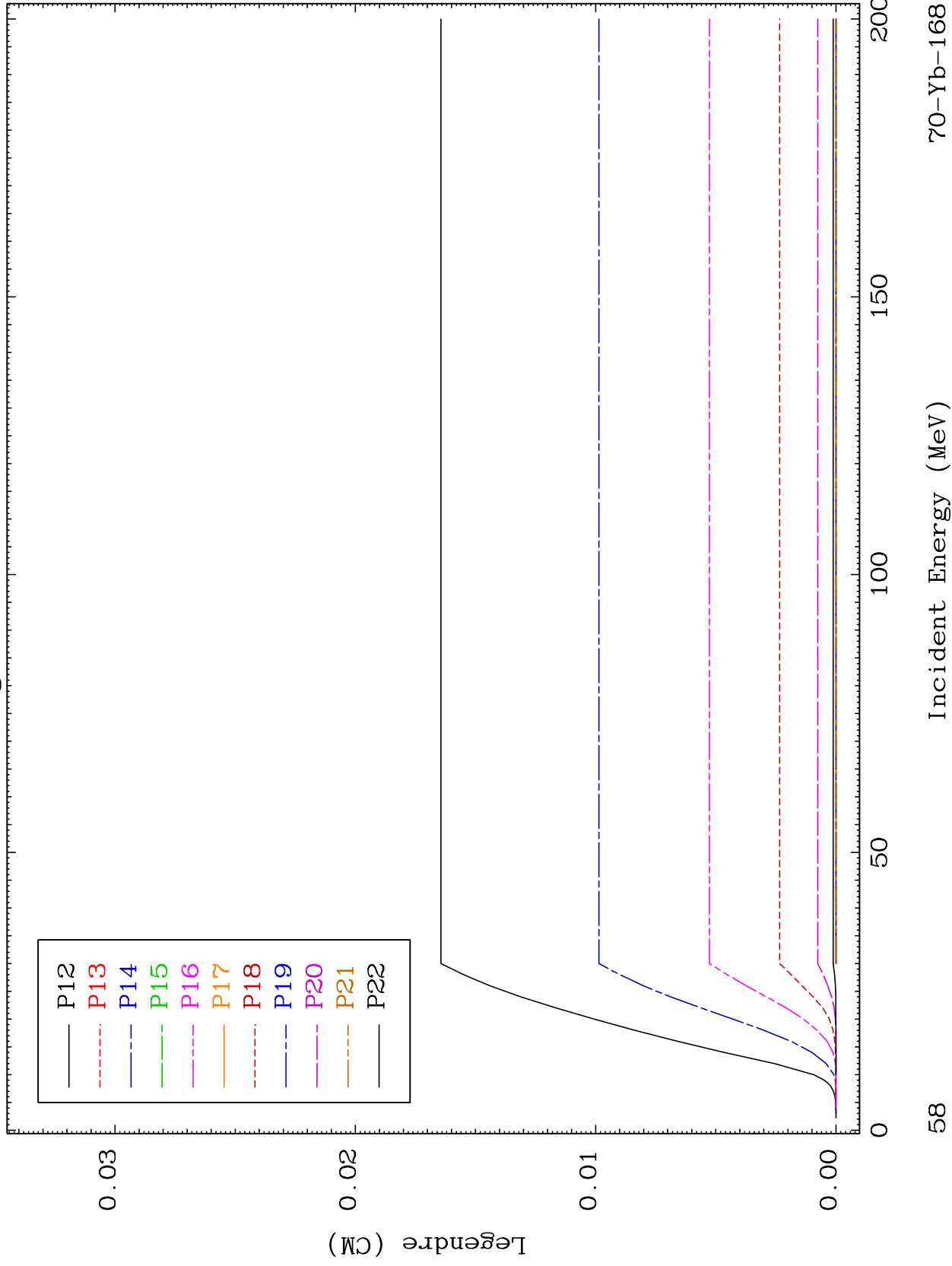




MAT 7025

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

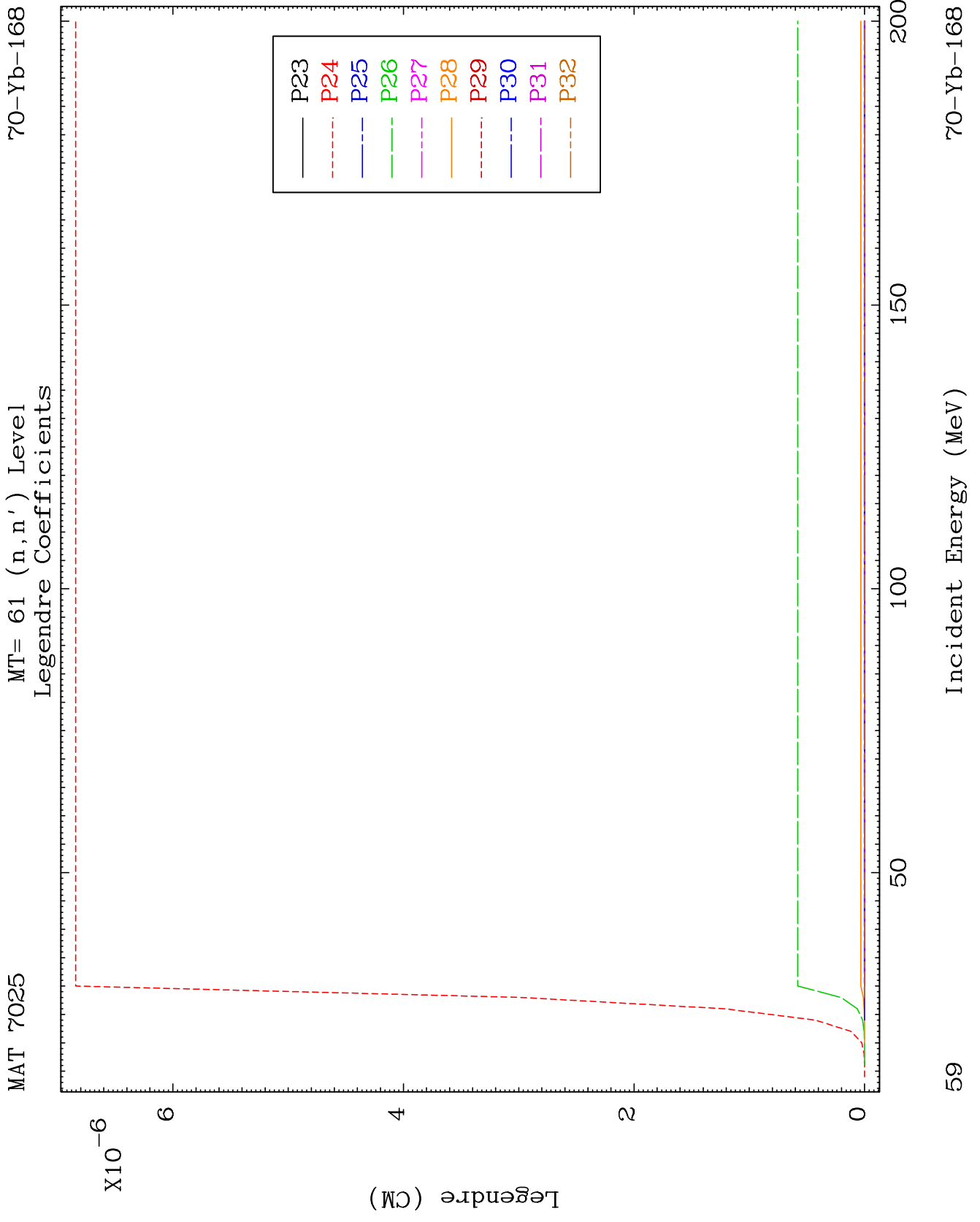
70-Yb-168

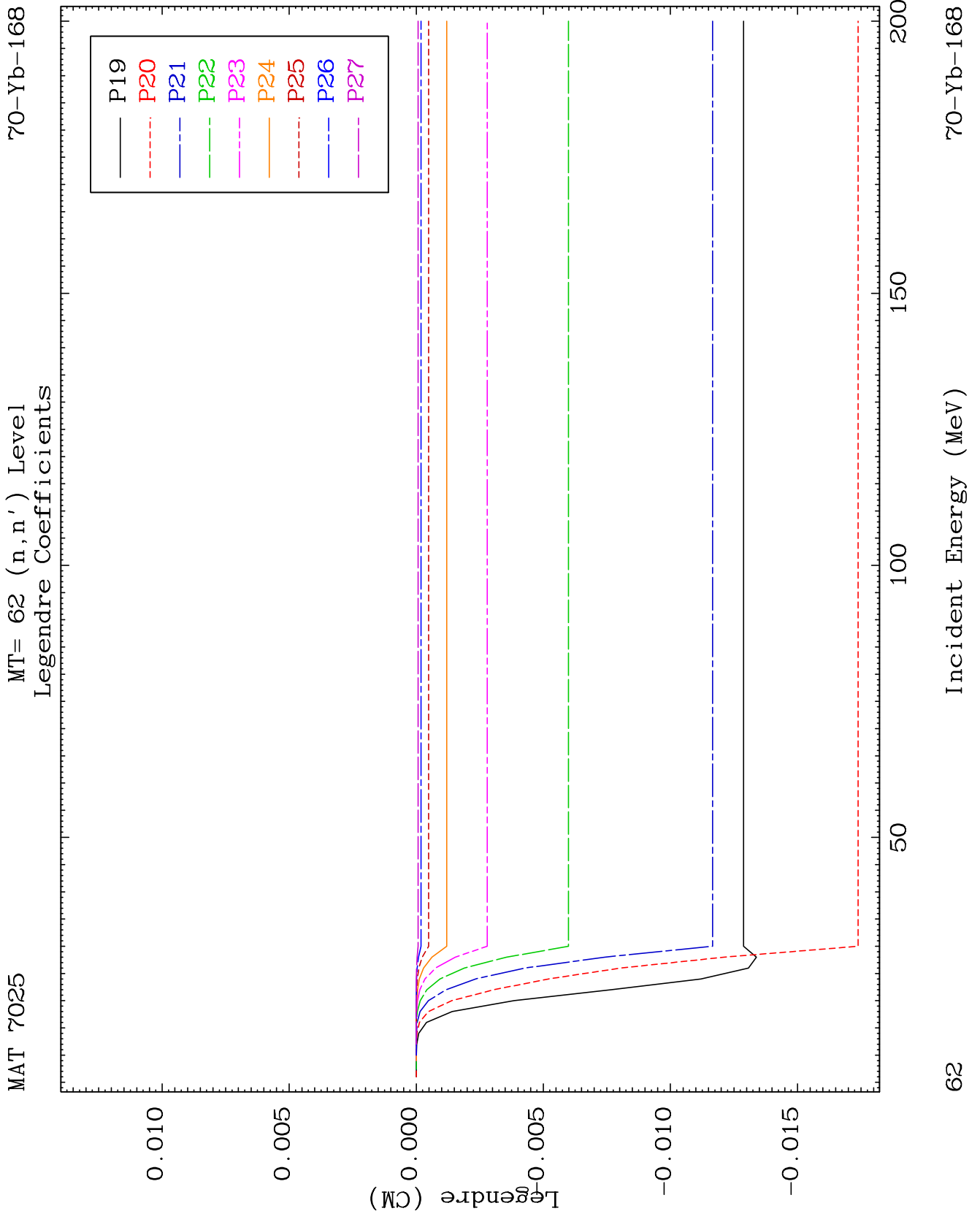


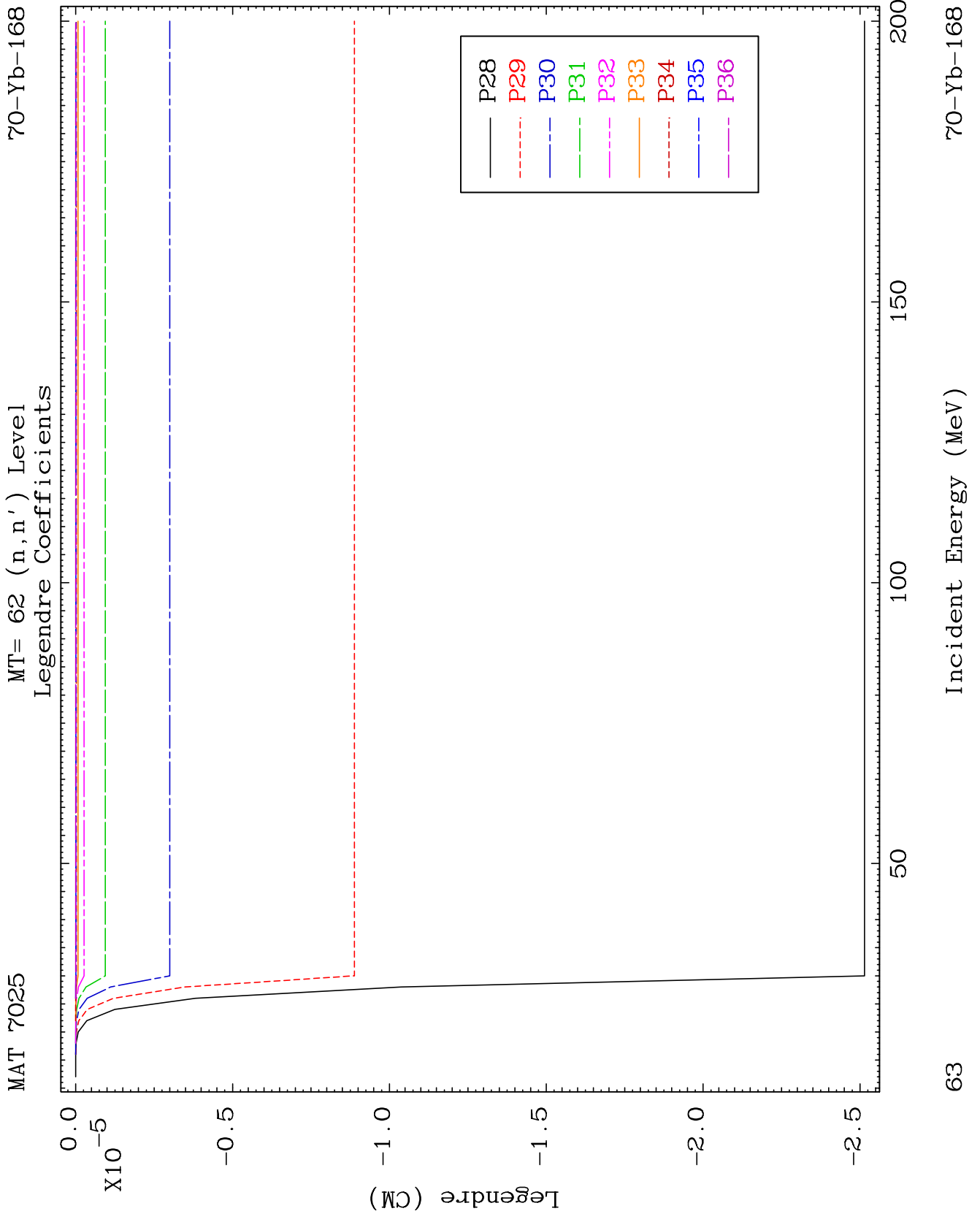
70-Yb-168

Incident Energy (MeV)

58



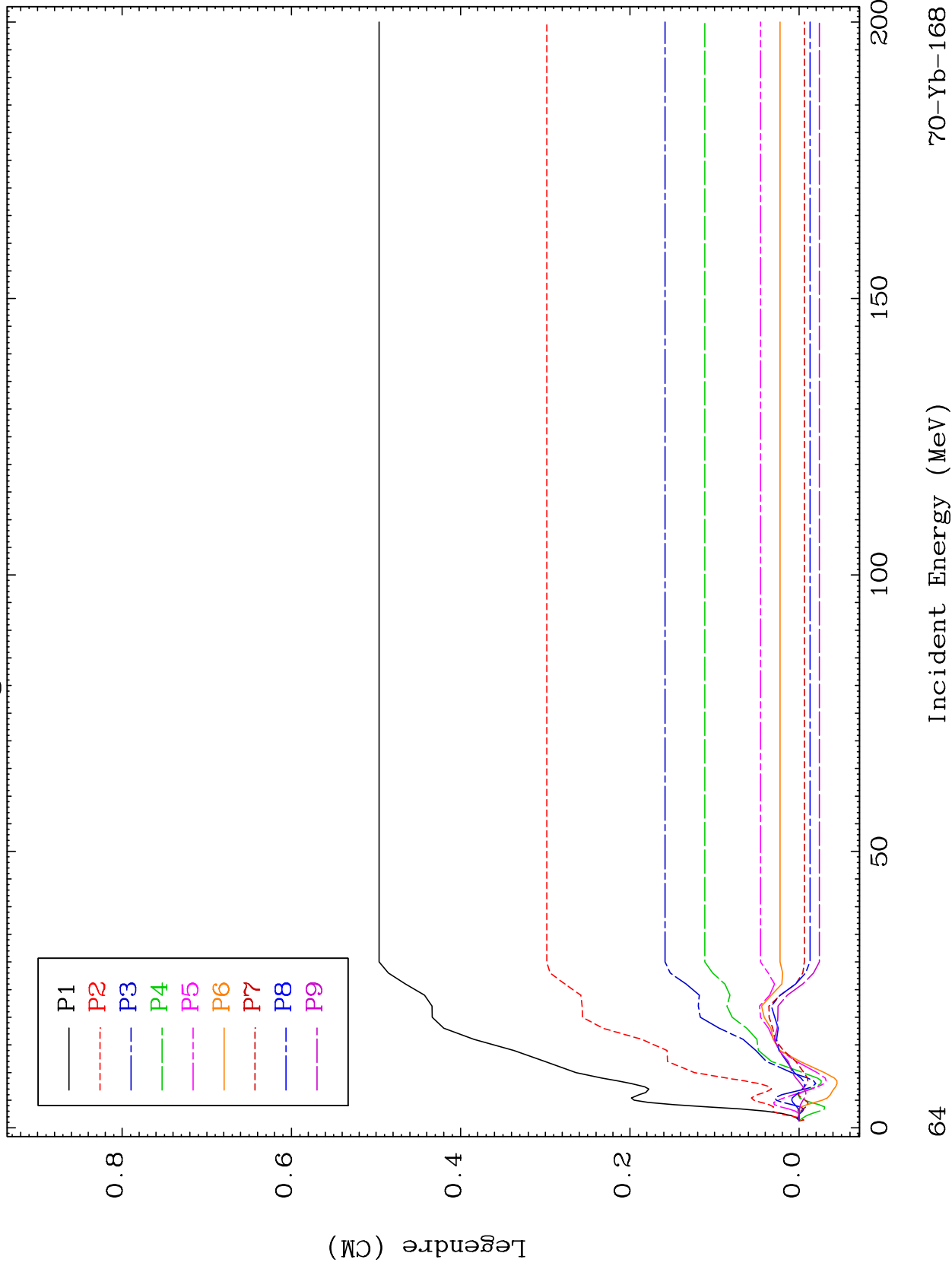


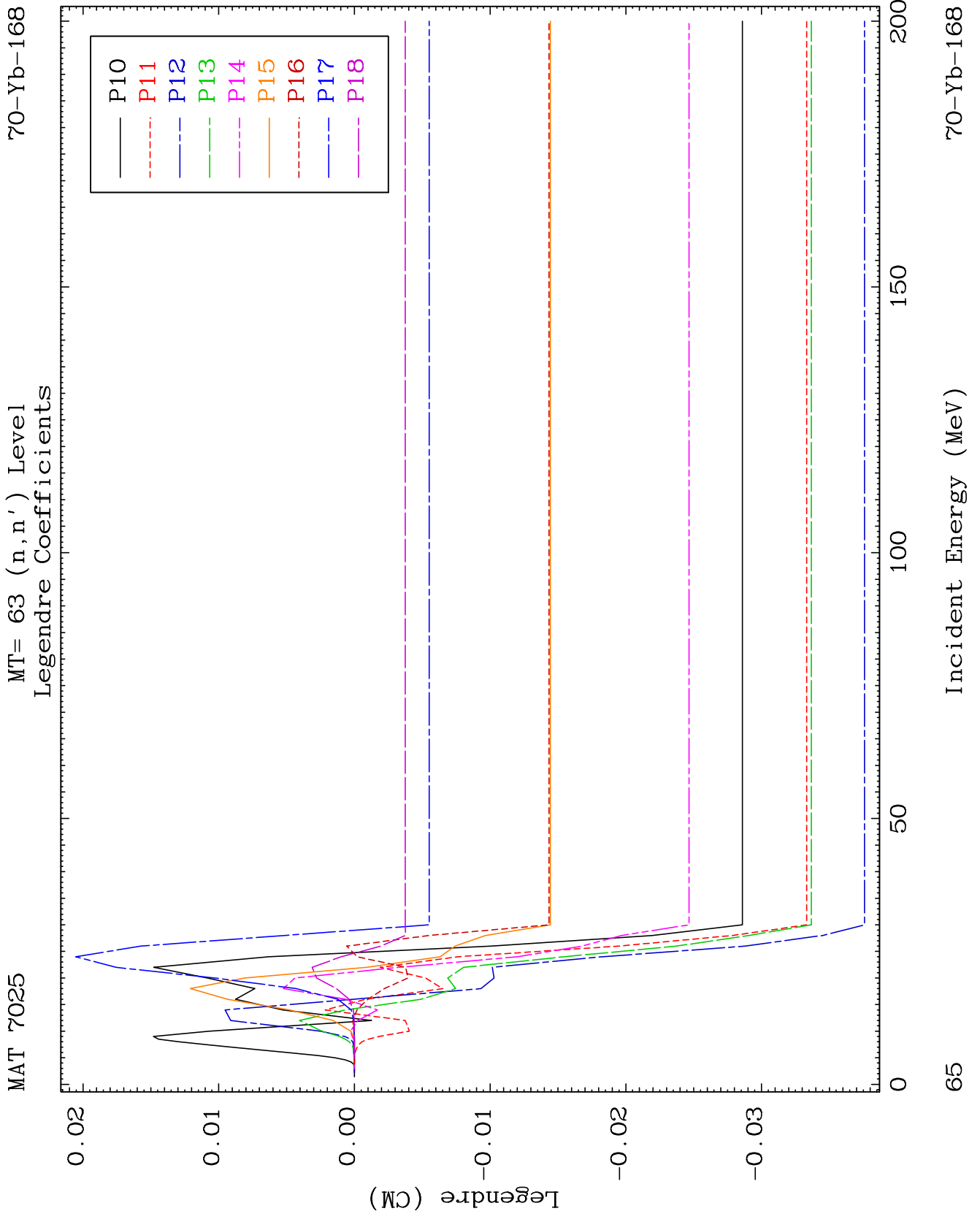


MAT 7025

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

70-Yb-168

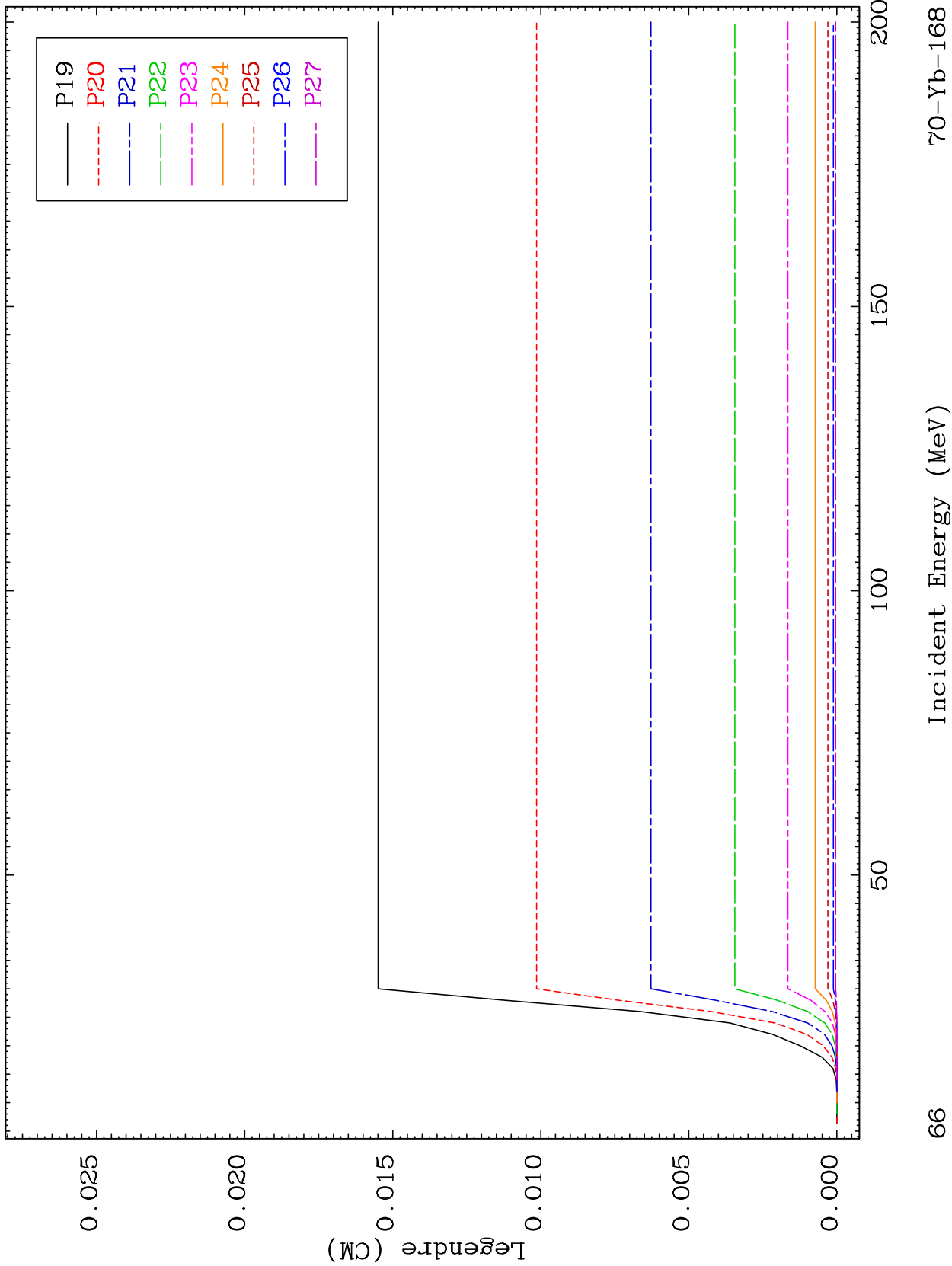




MAT 7025

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

70-Yb-168



66

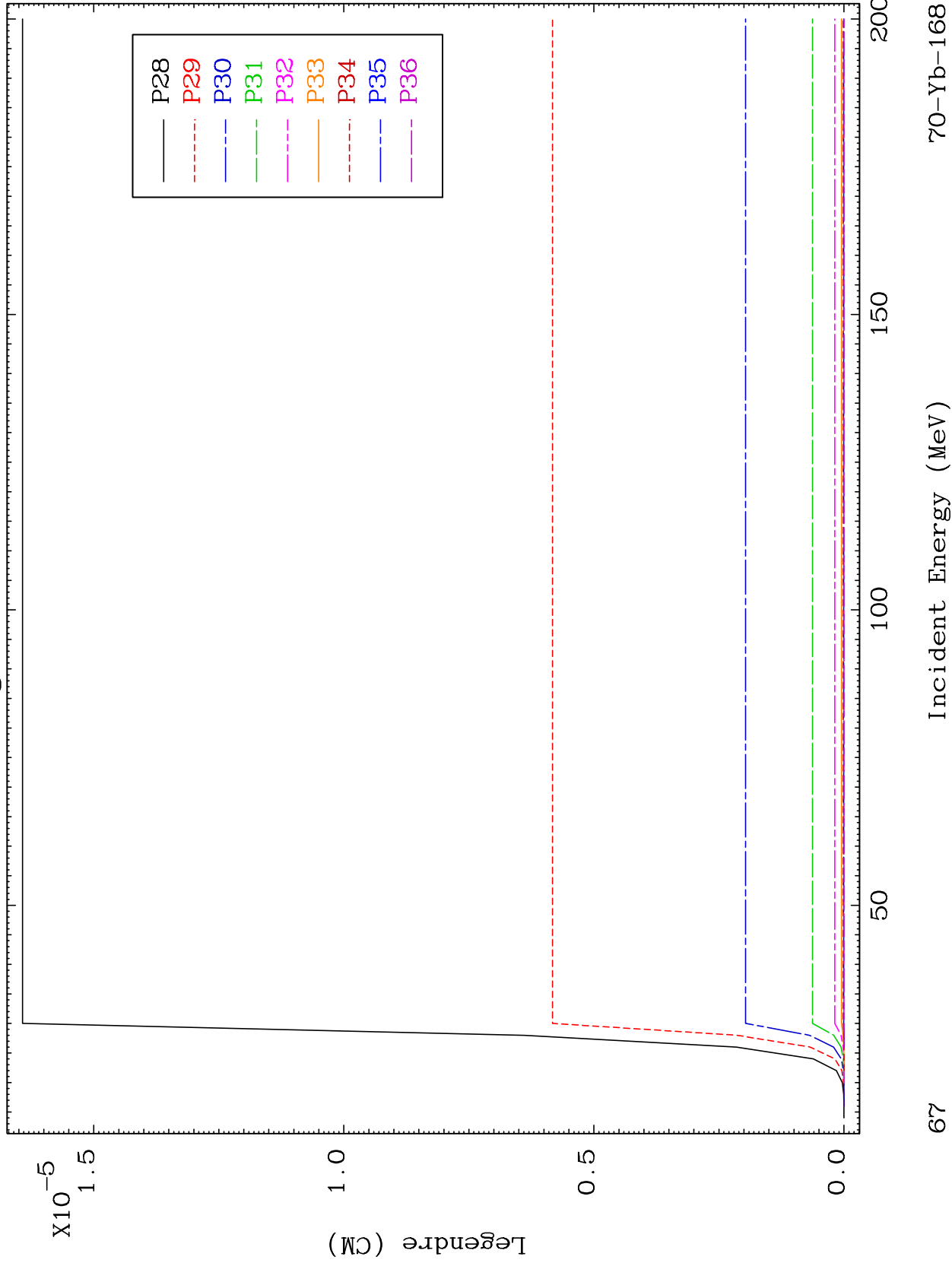
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

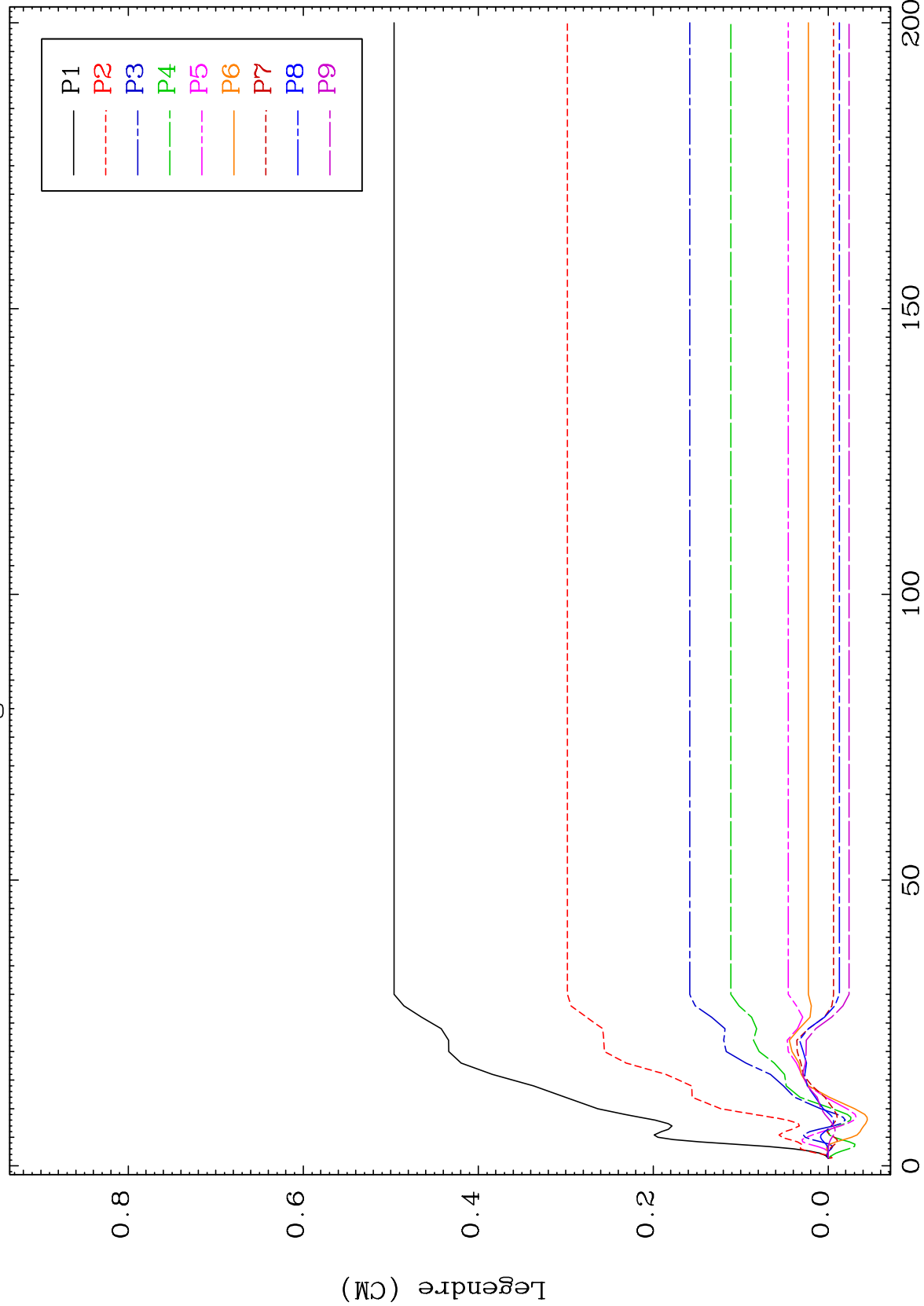
70-Yb-168



MAT 7025

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

70-Yb-168



70-Yb-168

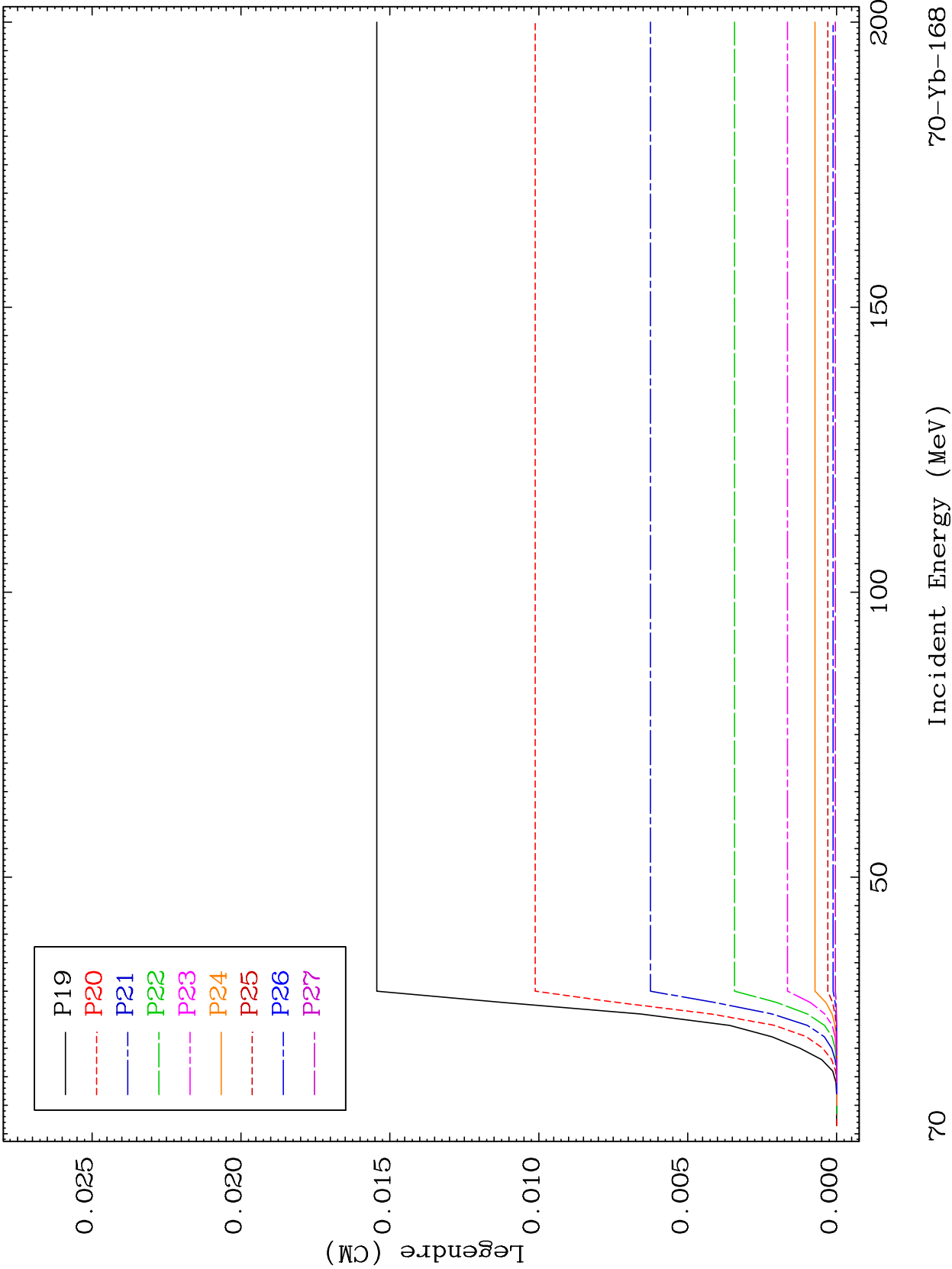
Incident Energy (MeV)

68

MAT 7025

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

70-Yb-168



70

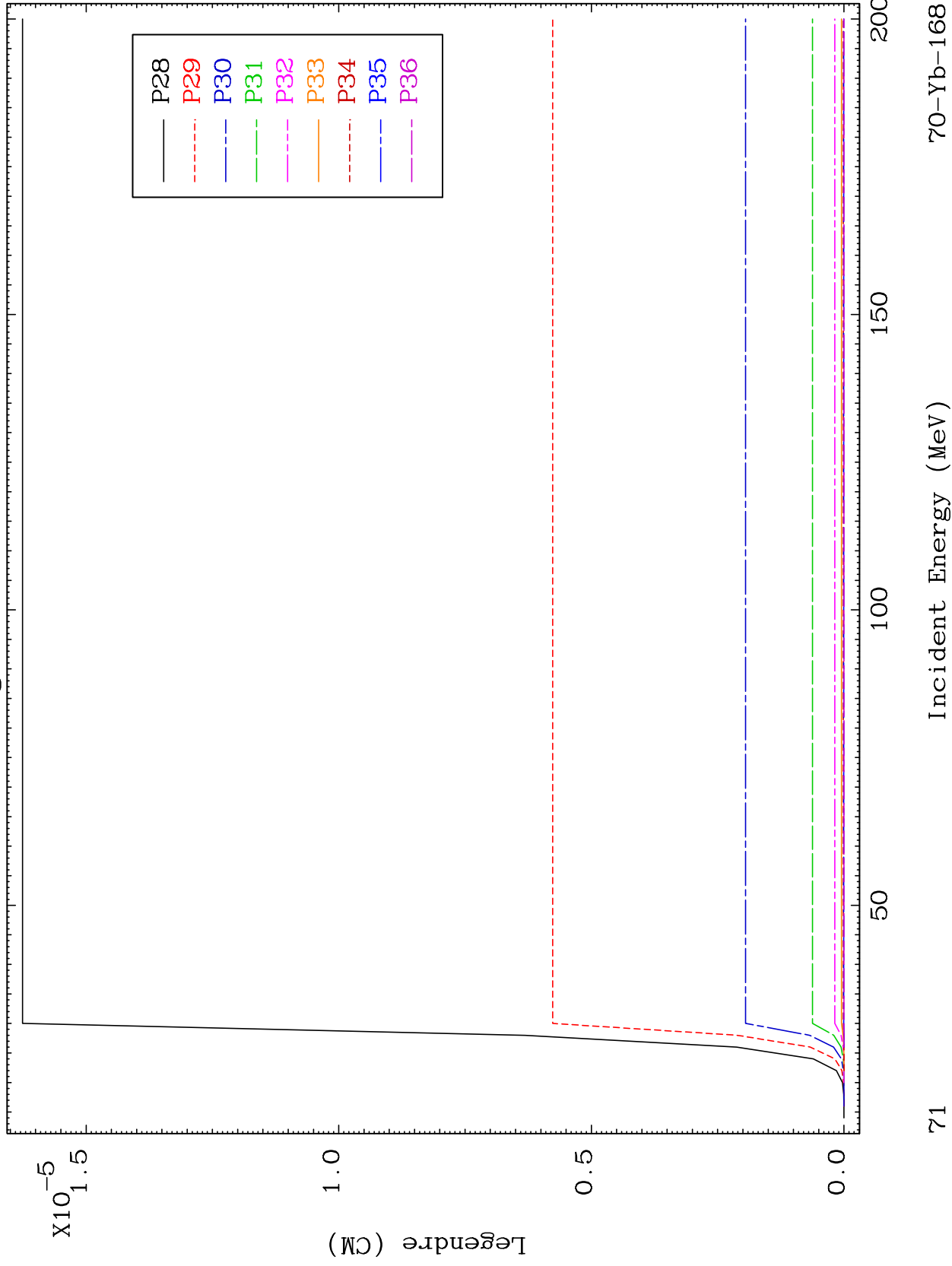
Incident Energy (MeV)

70-Yb-168

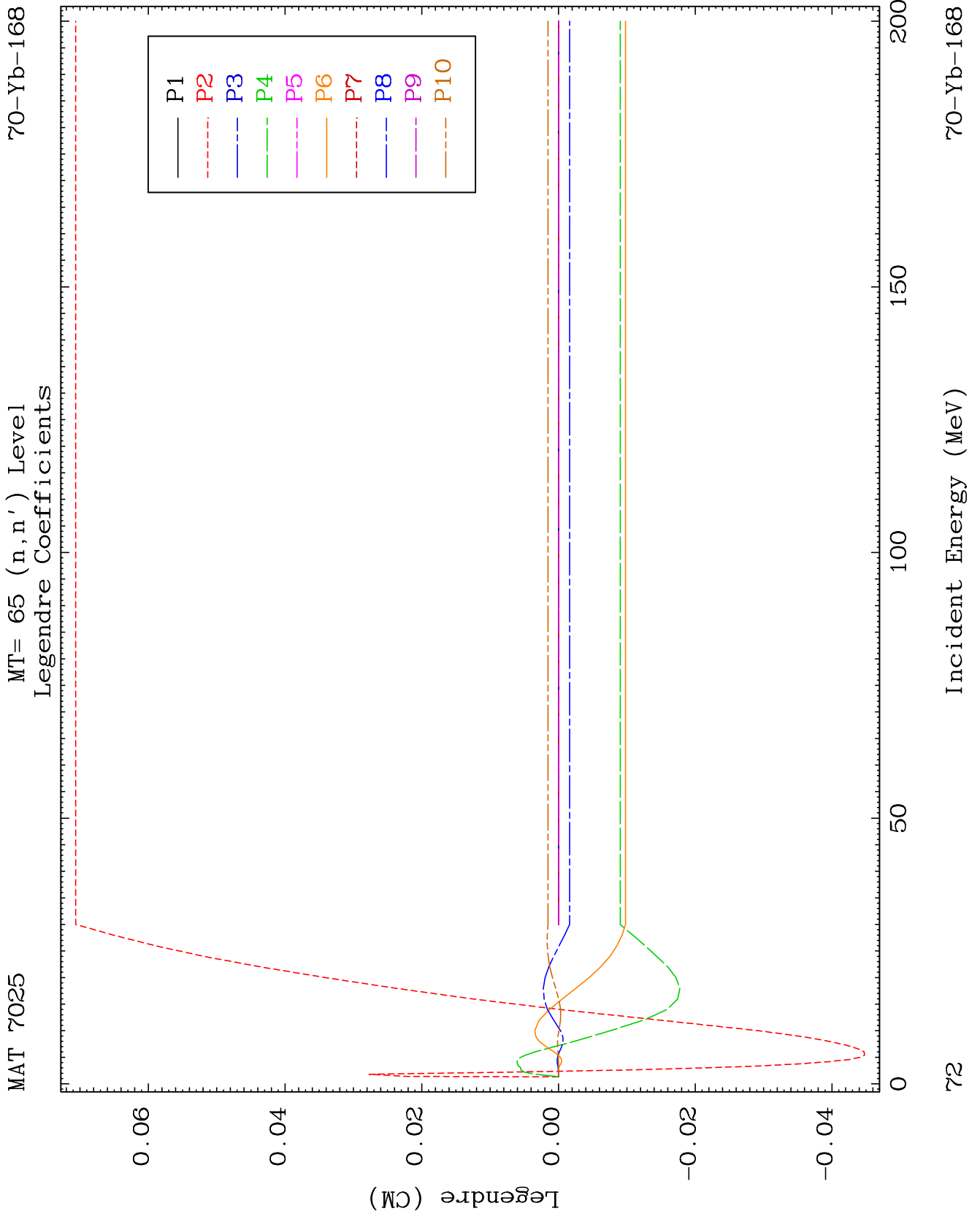
MAT 7025

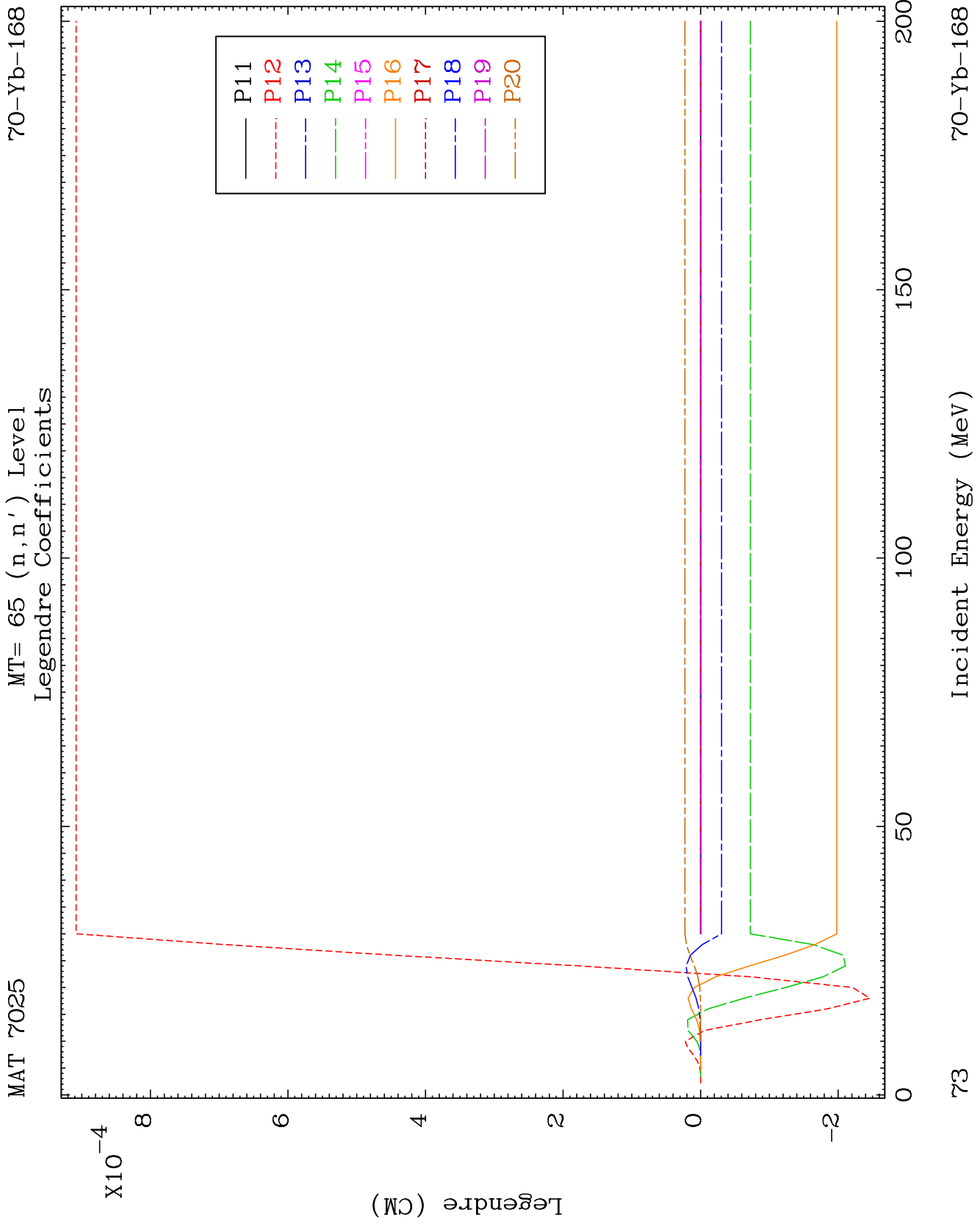
MT= 64 (n,n') Level
Legendre Coefficients

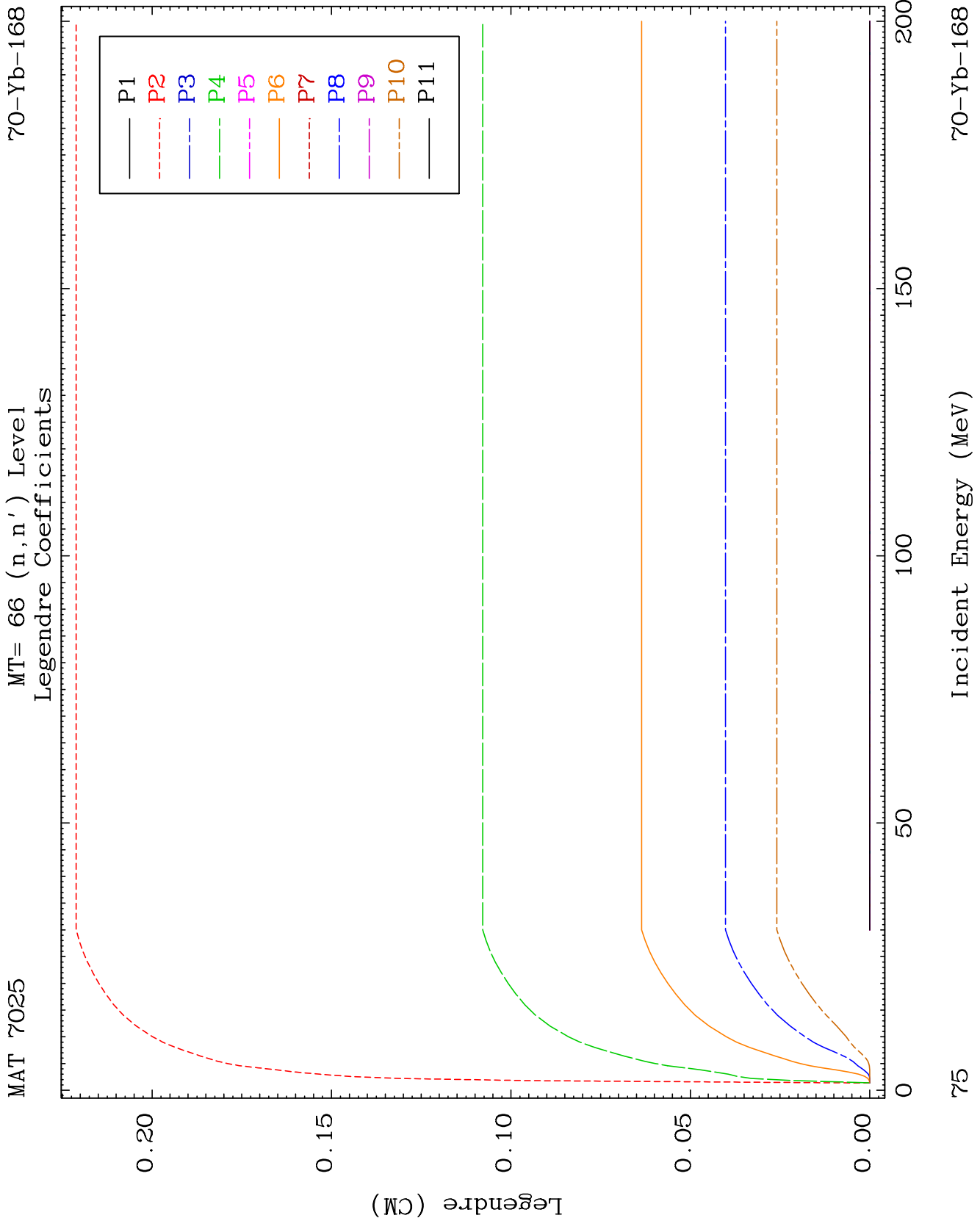
70-Yb-168



71



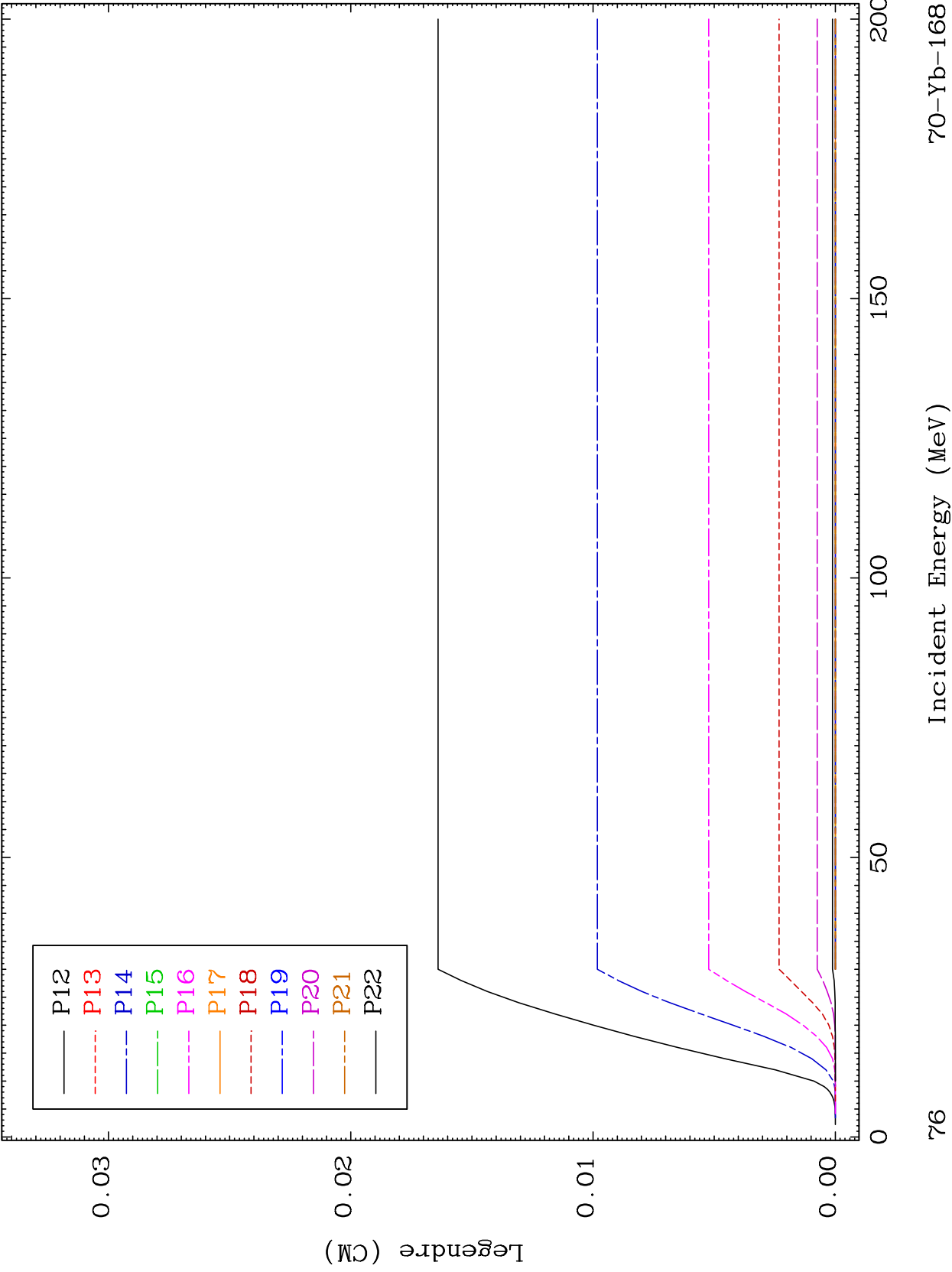




MAT 7025

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

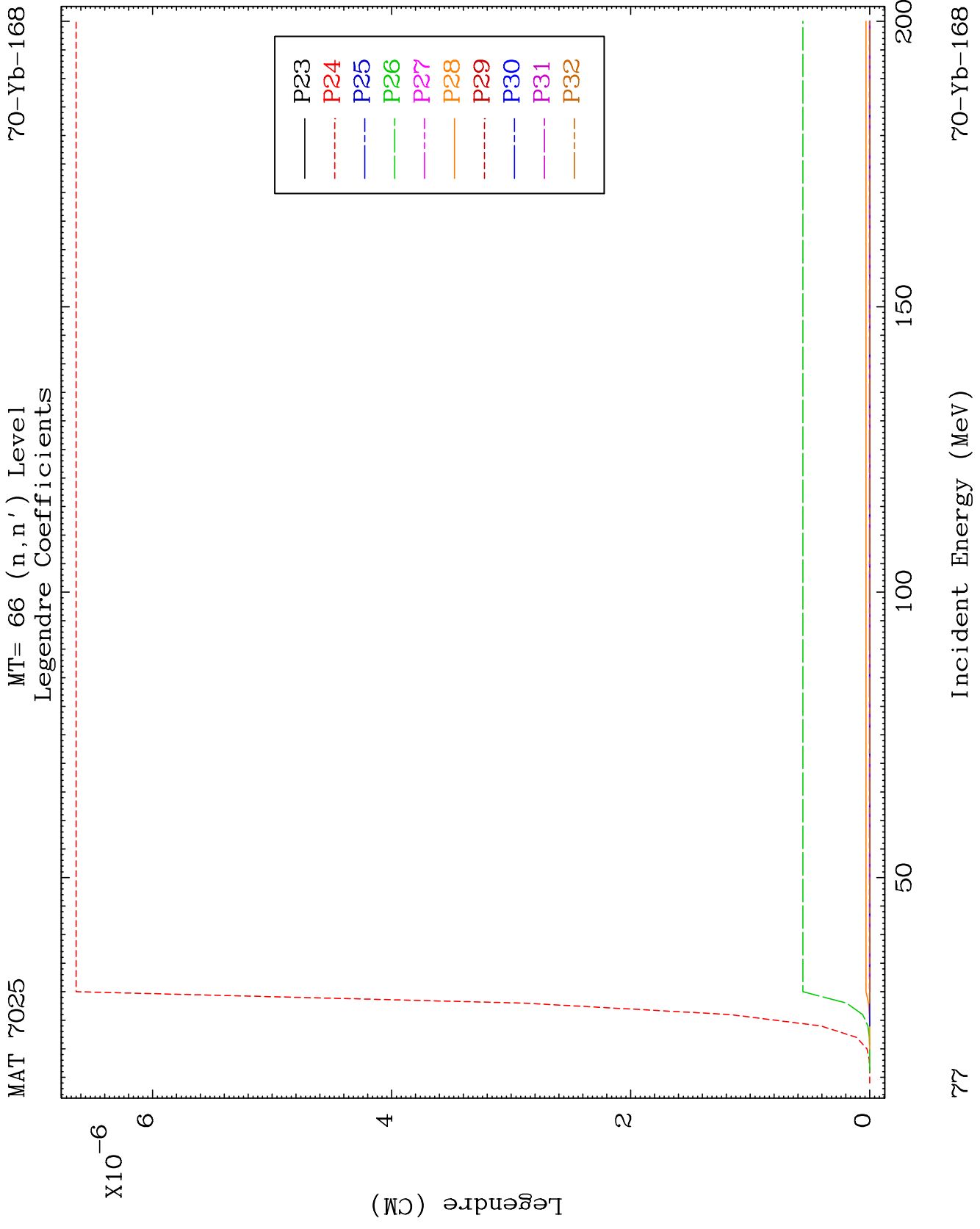
70-Yb-168



76

Incident Energy (MeV)

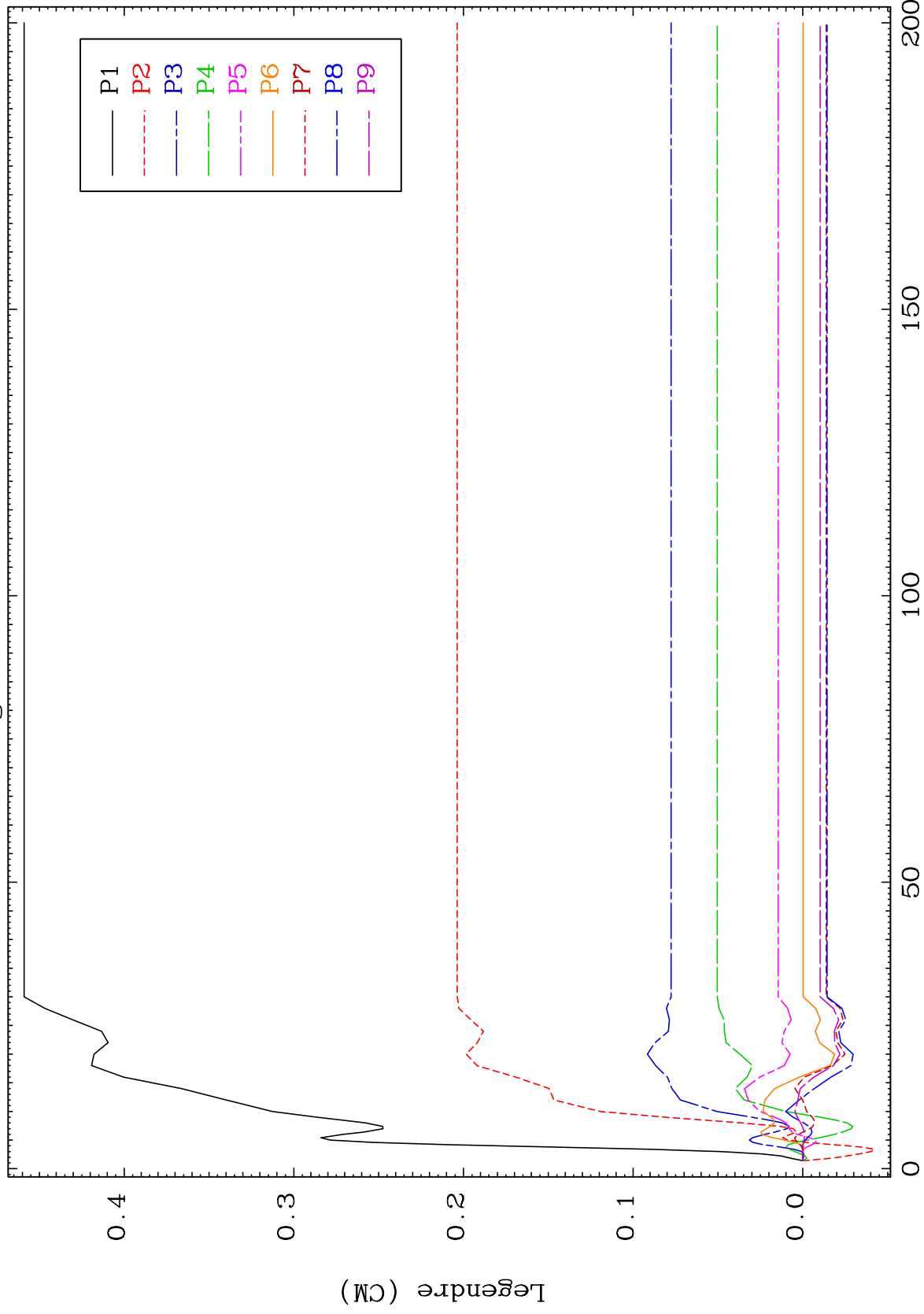
70-Yb-168



MAT 7025

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

70-Yb-168



78

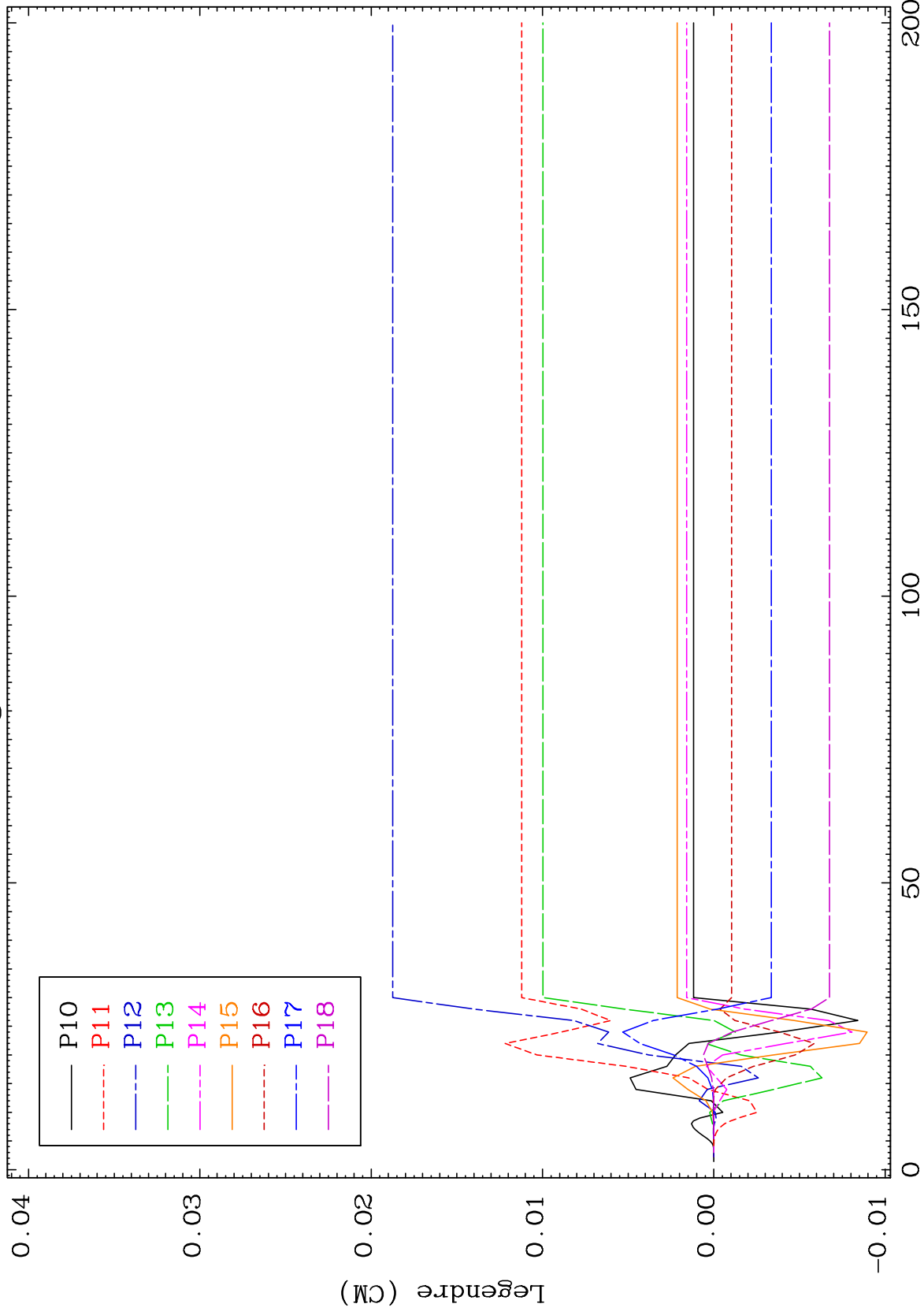
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



79

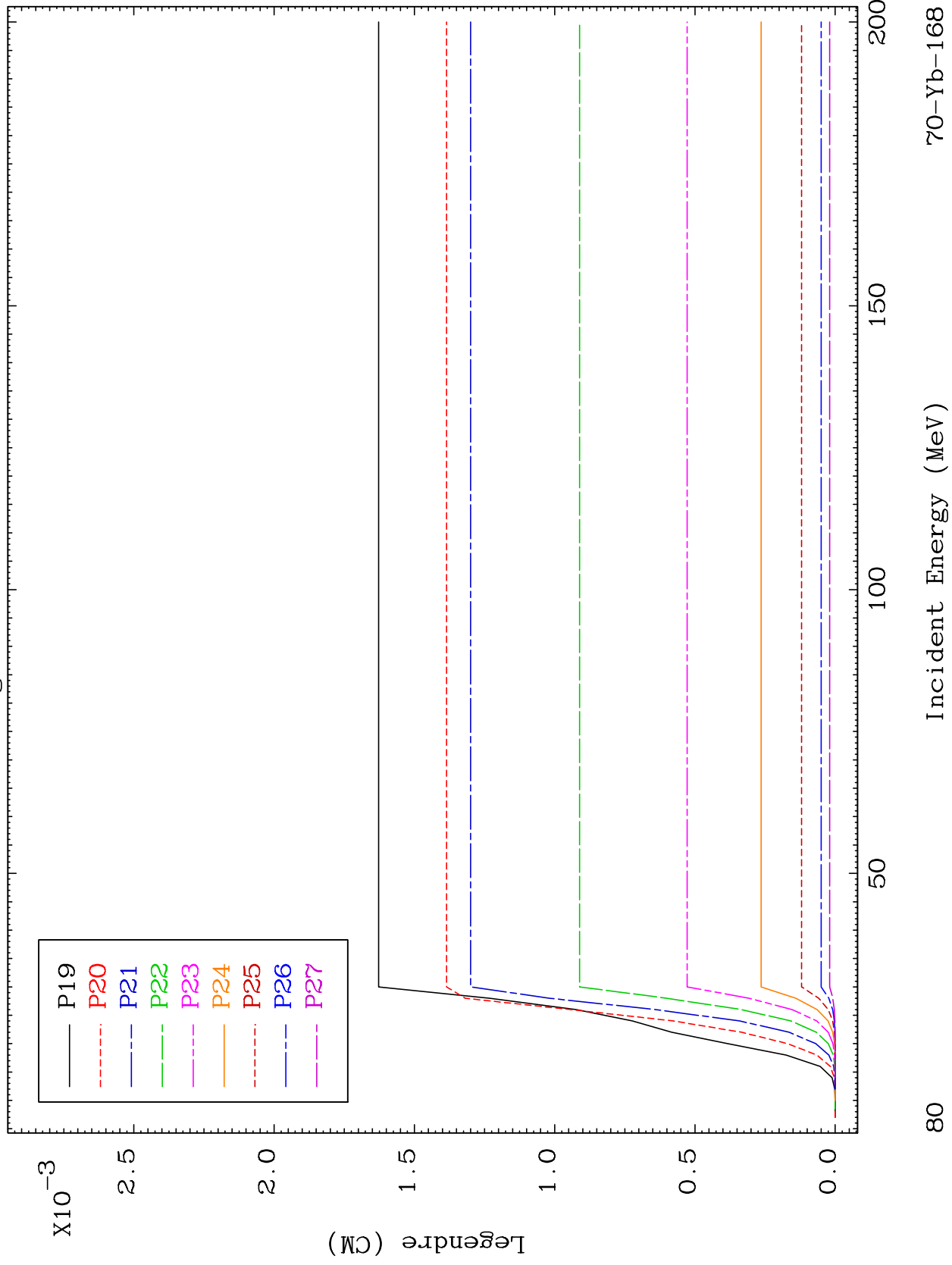
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

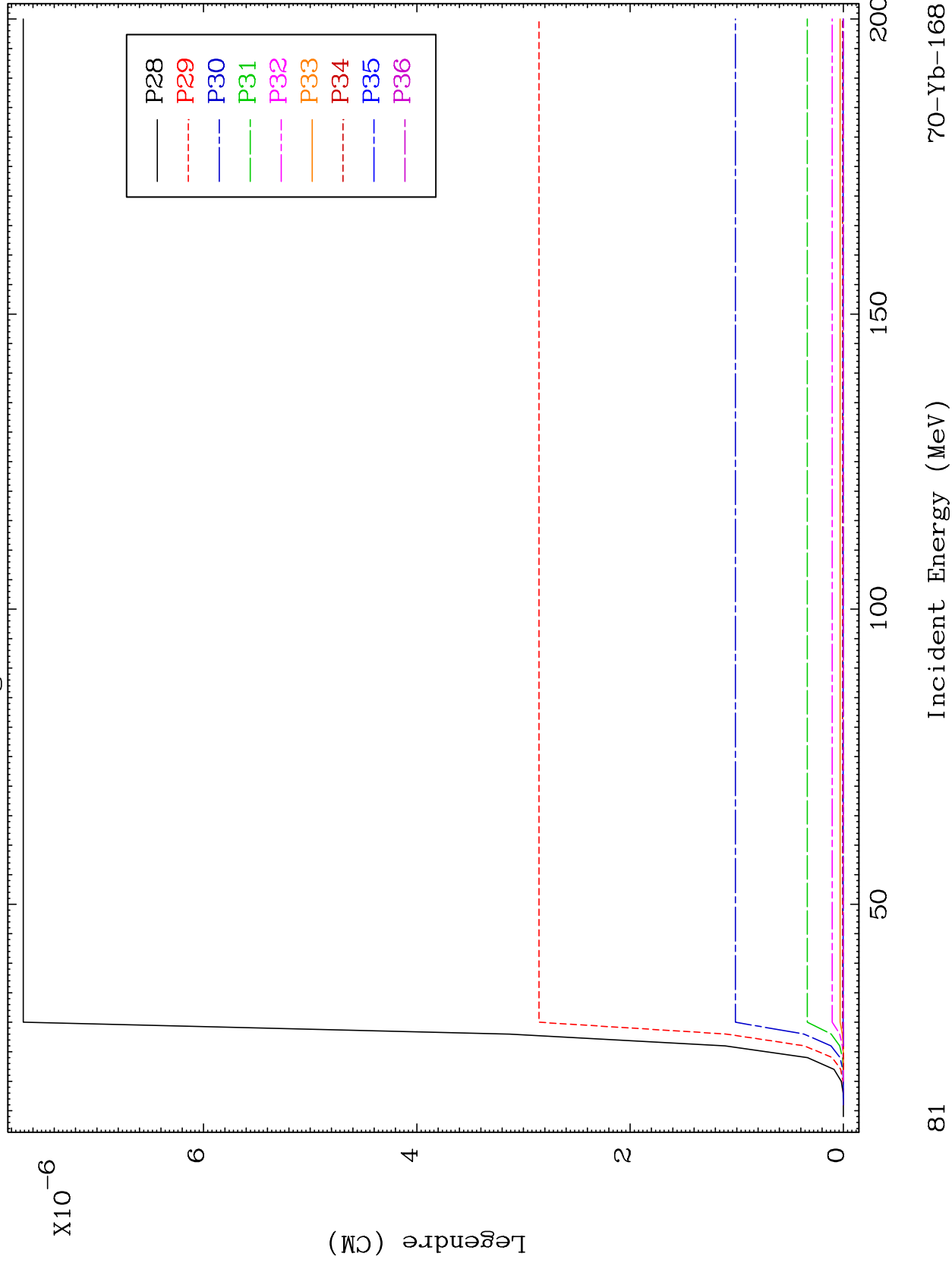
70-Yb-168



MAT 7025

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

70-Yb-168



81

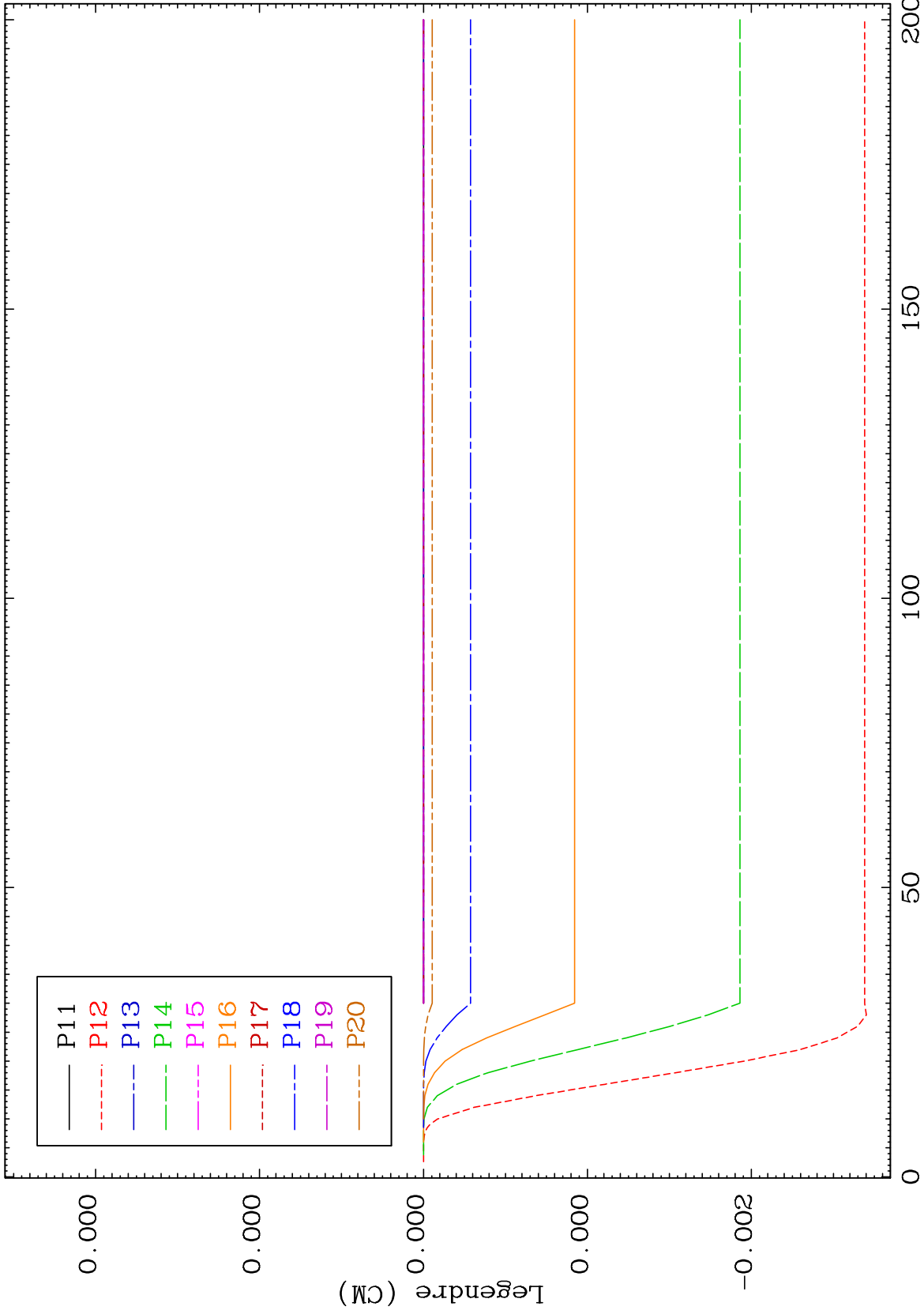
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

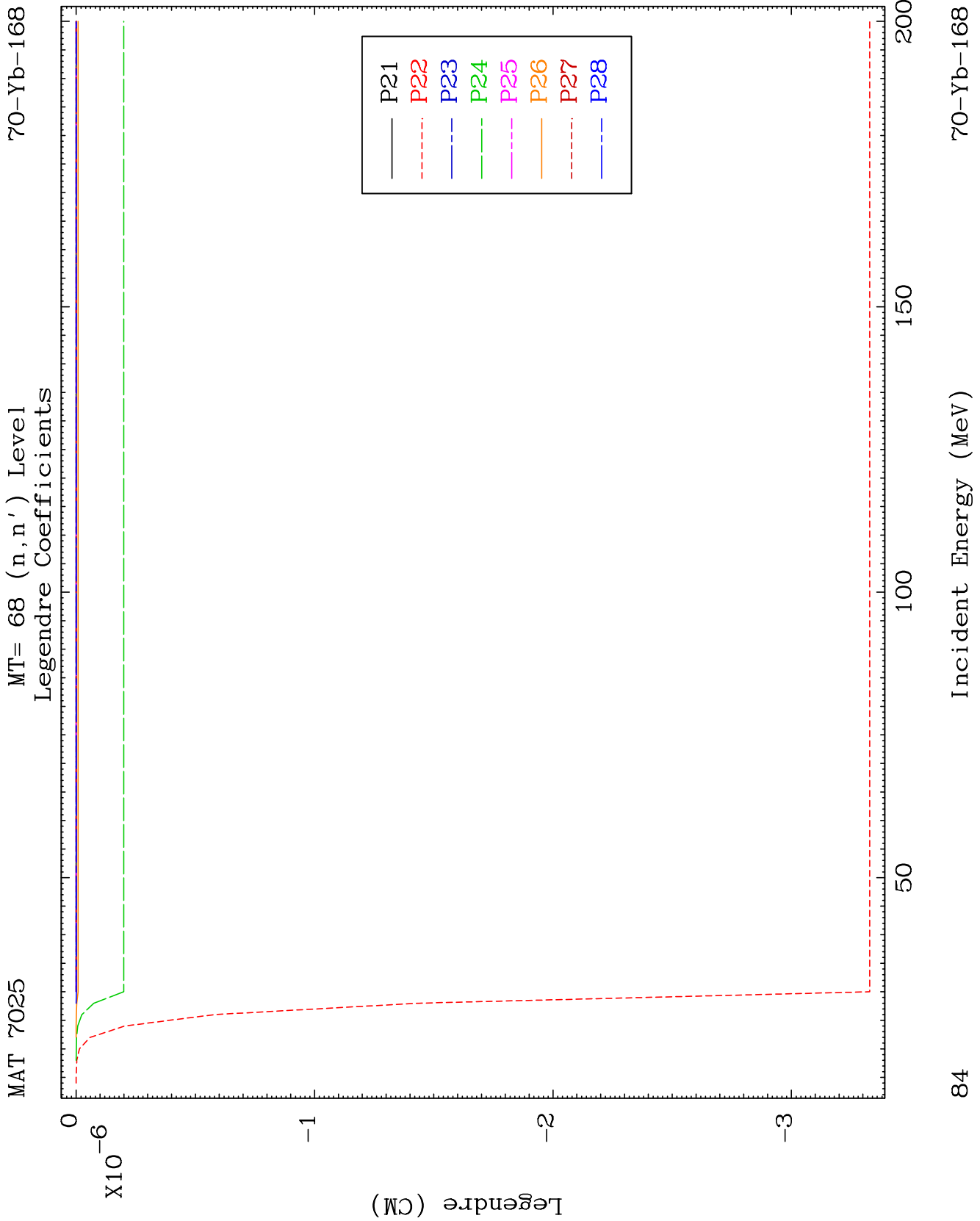
70-Yb-168



83

Incident Energy (MeV)

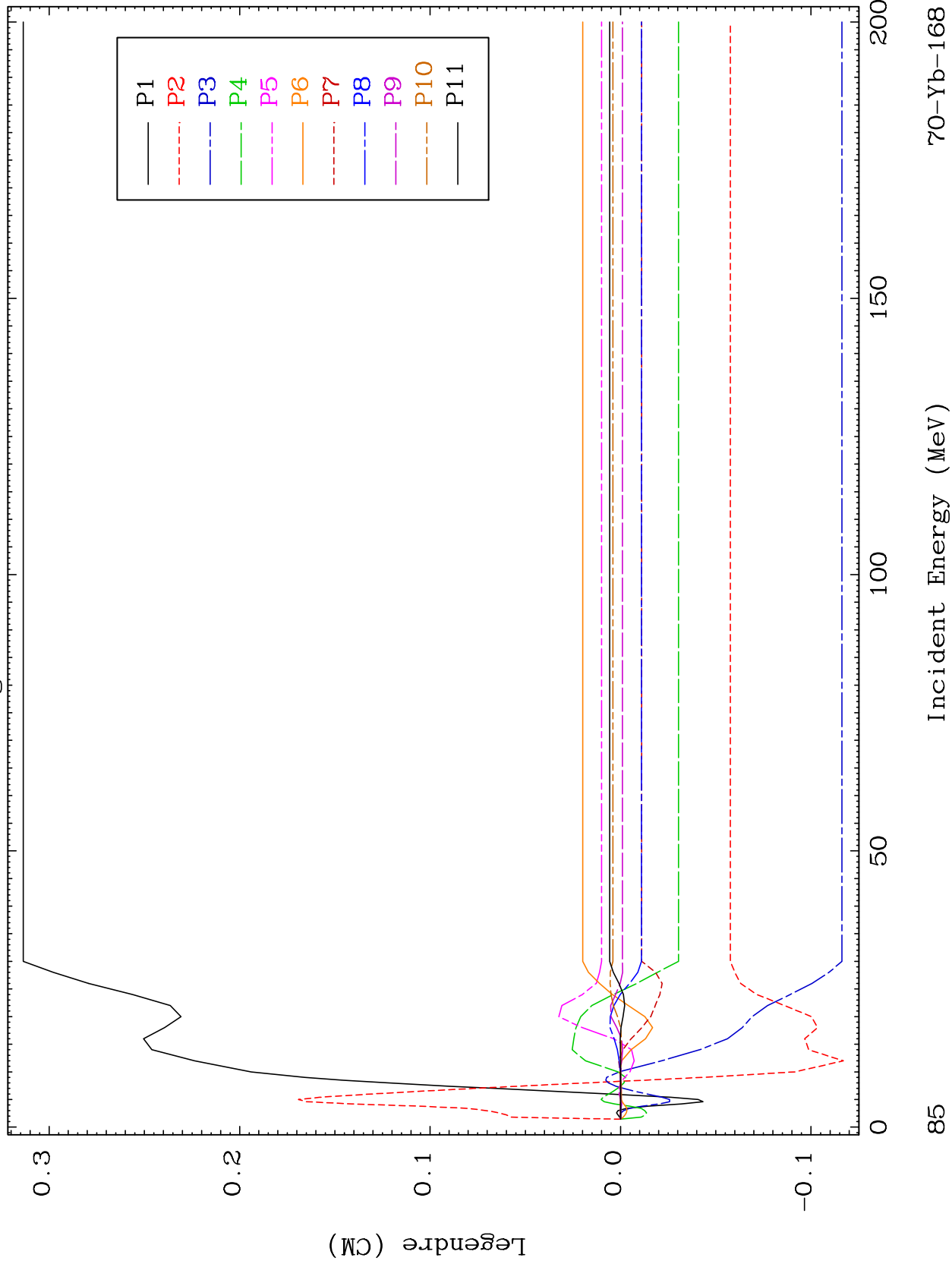
70-Yb-168



MAT 7025

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

70-Yb-168



70-Yb-168

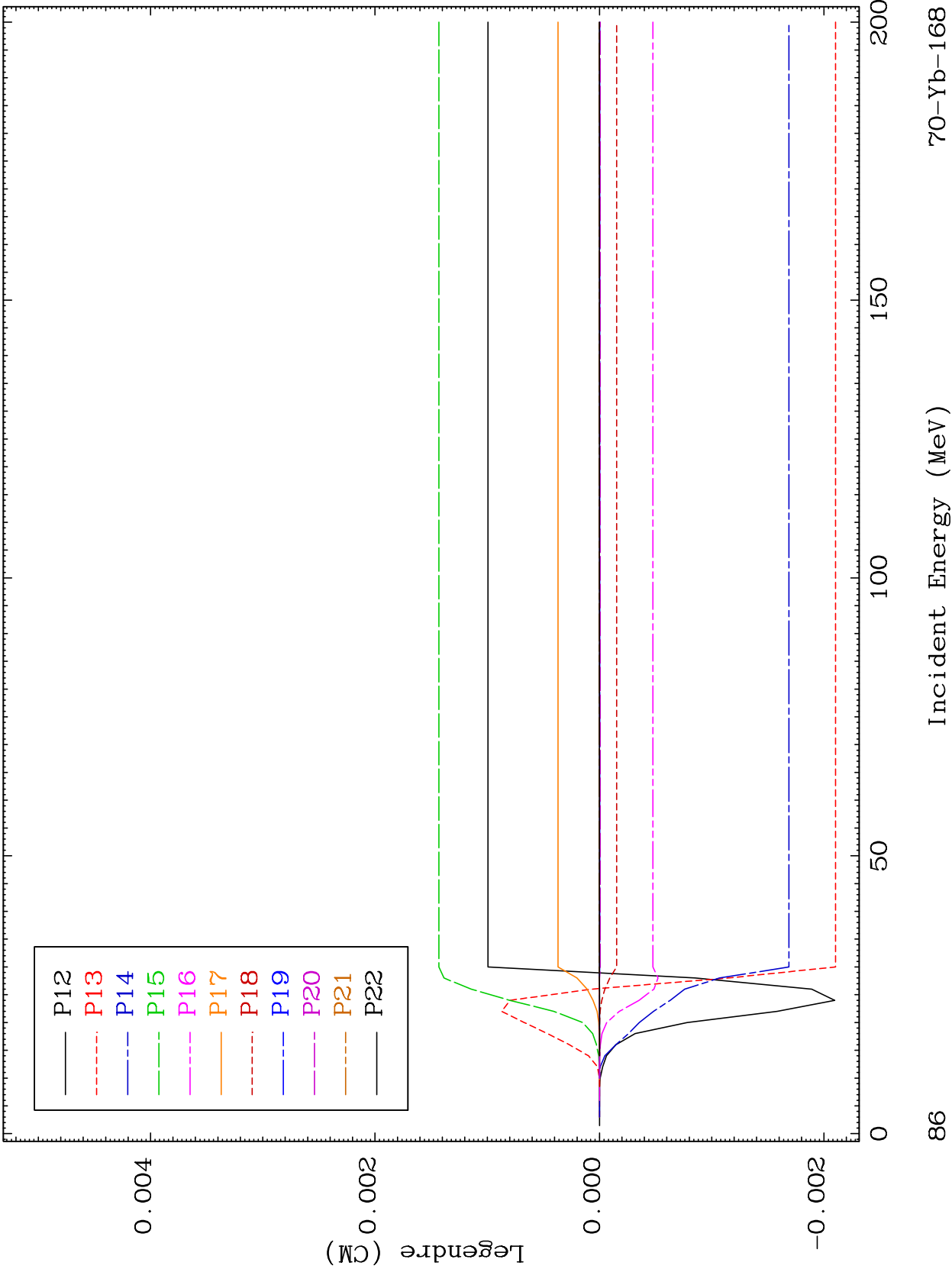
Incident Energy (MeV)

85

MAT 7025

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

70-Yb-168



86

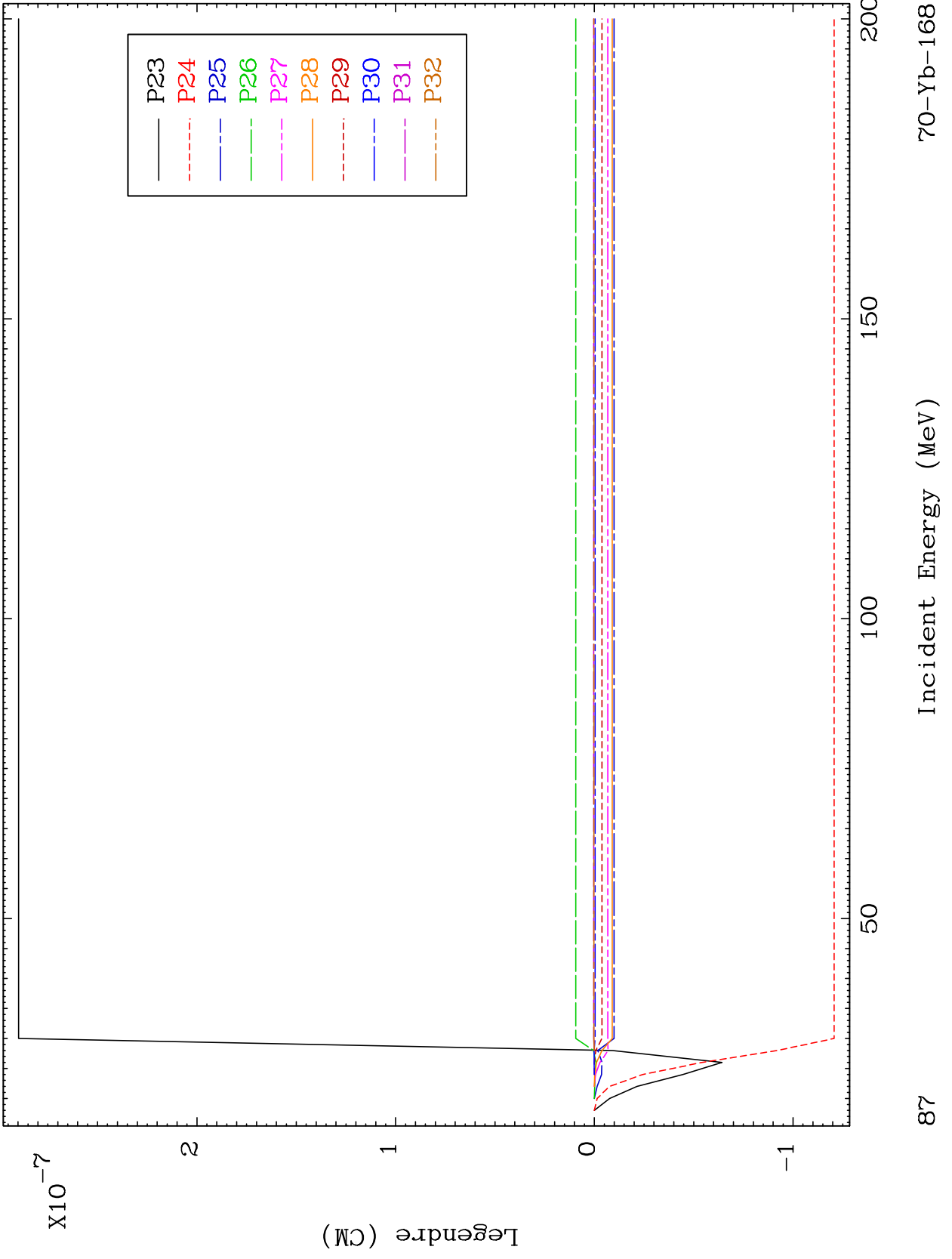
70-Yb-168

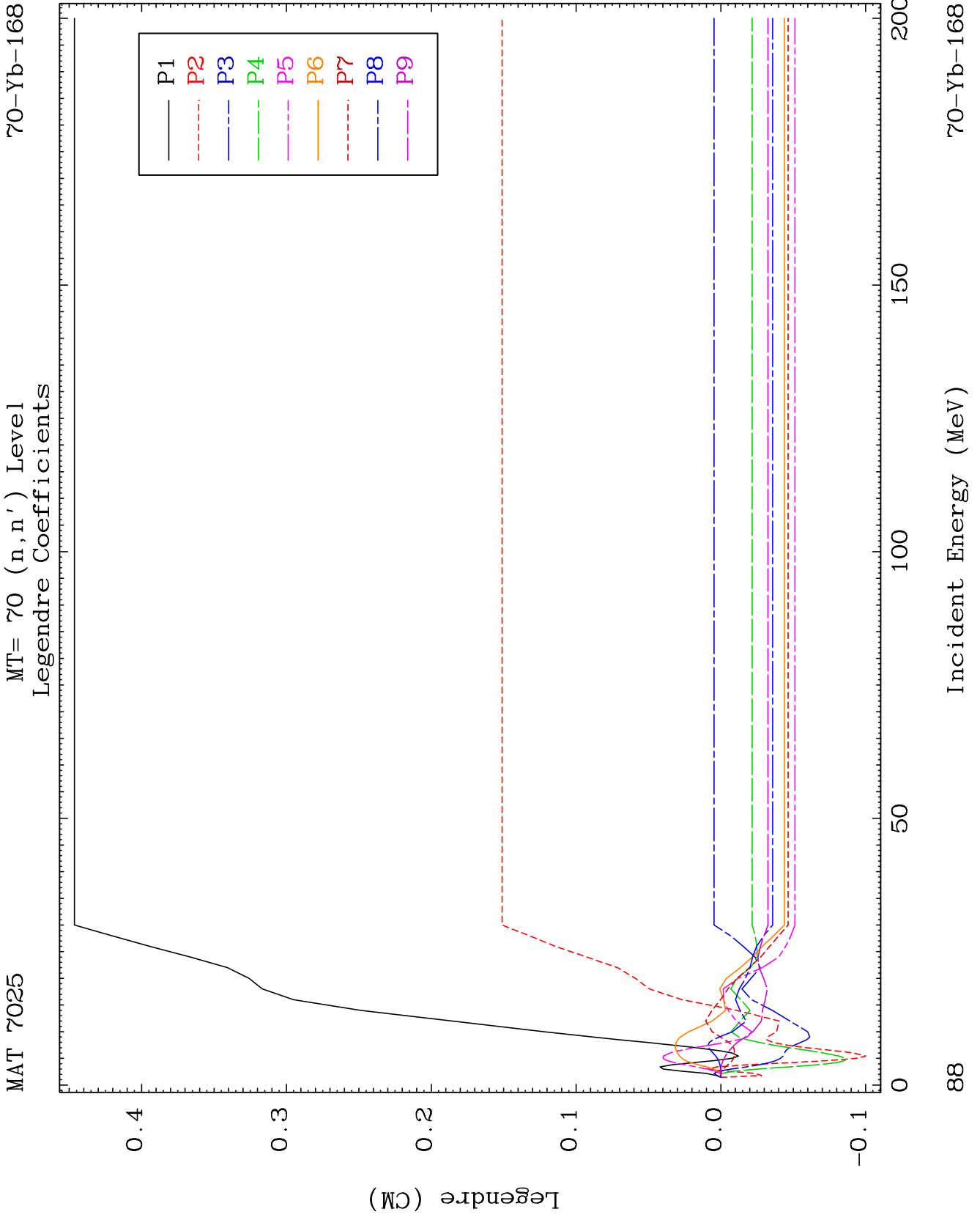
Incident Energy (MeV)

MAT 7025

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

70-Yb-168

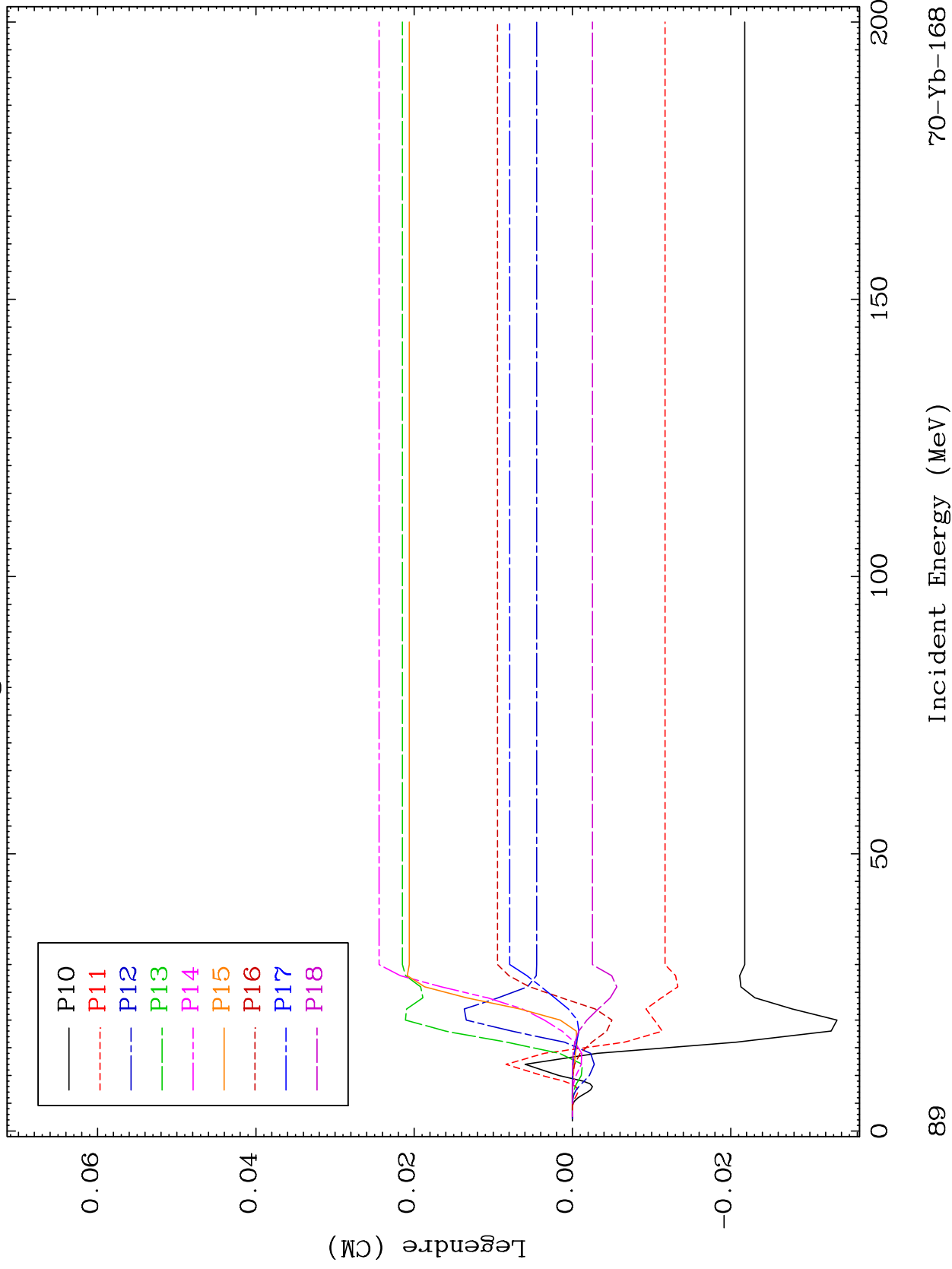




MAT 7025

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

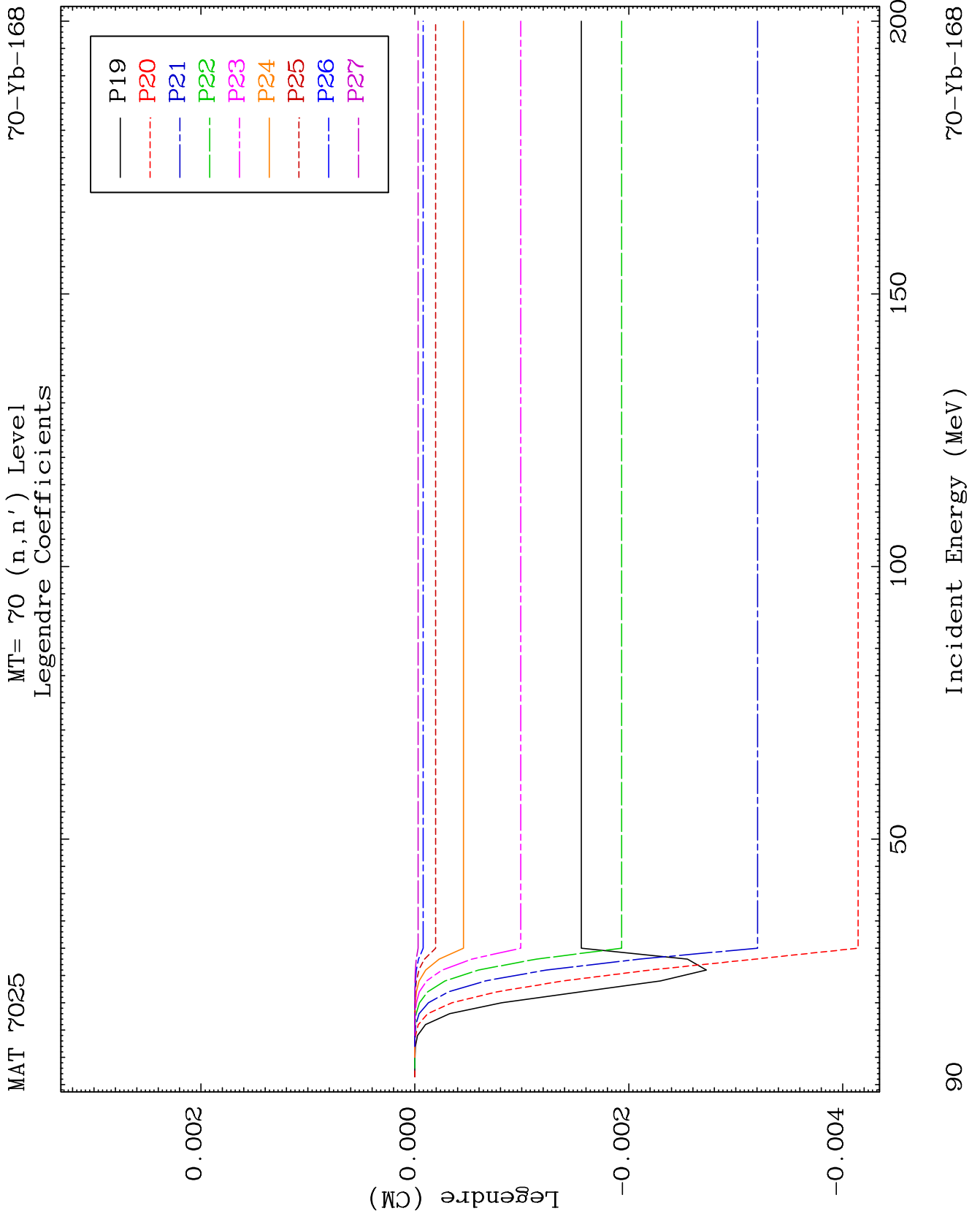
70-Yb-168

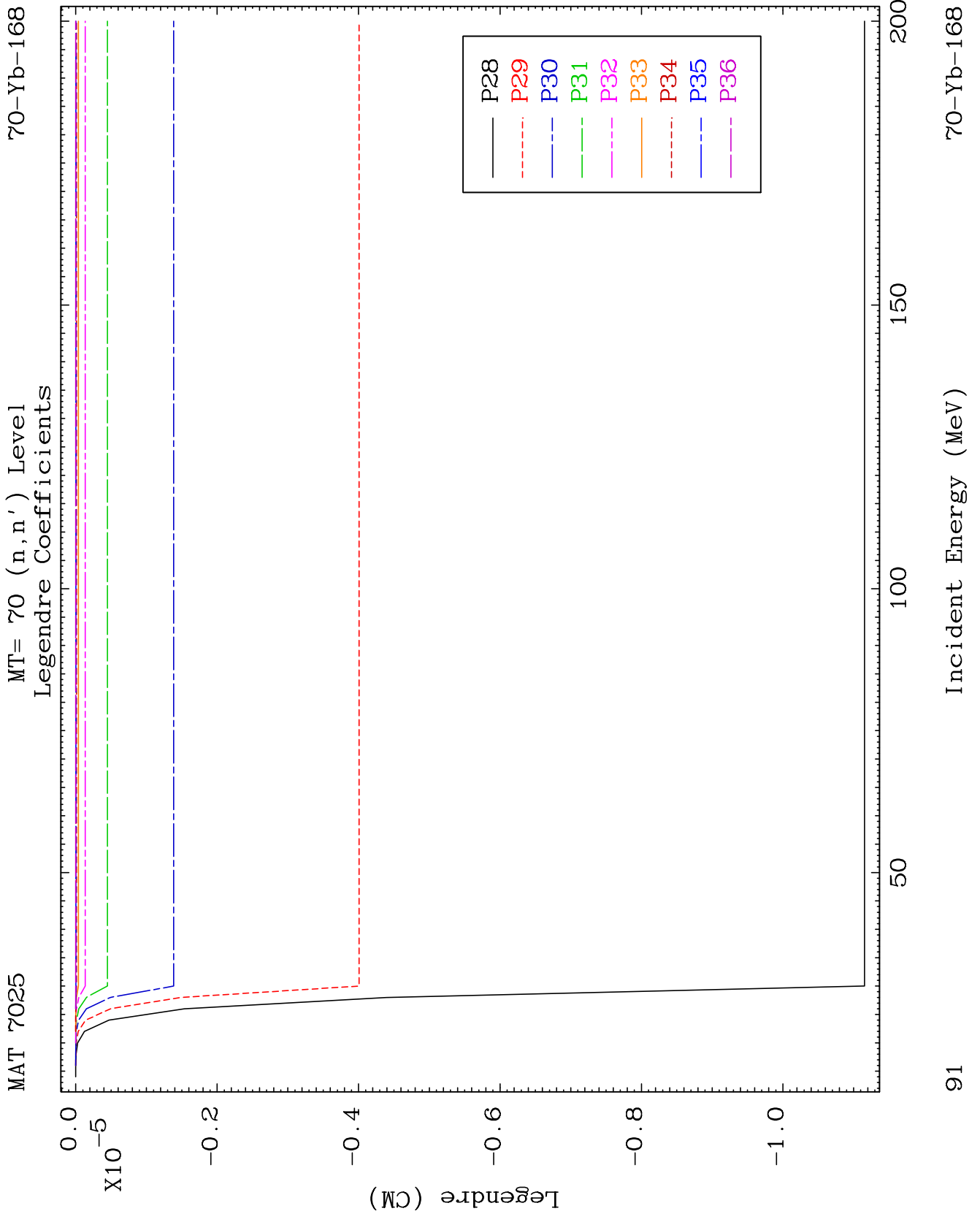


89

Incident Energy (MeV)

70-Yb-168

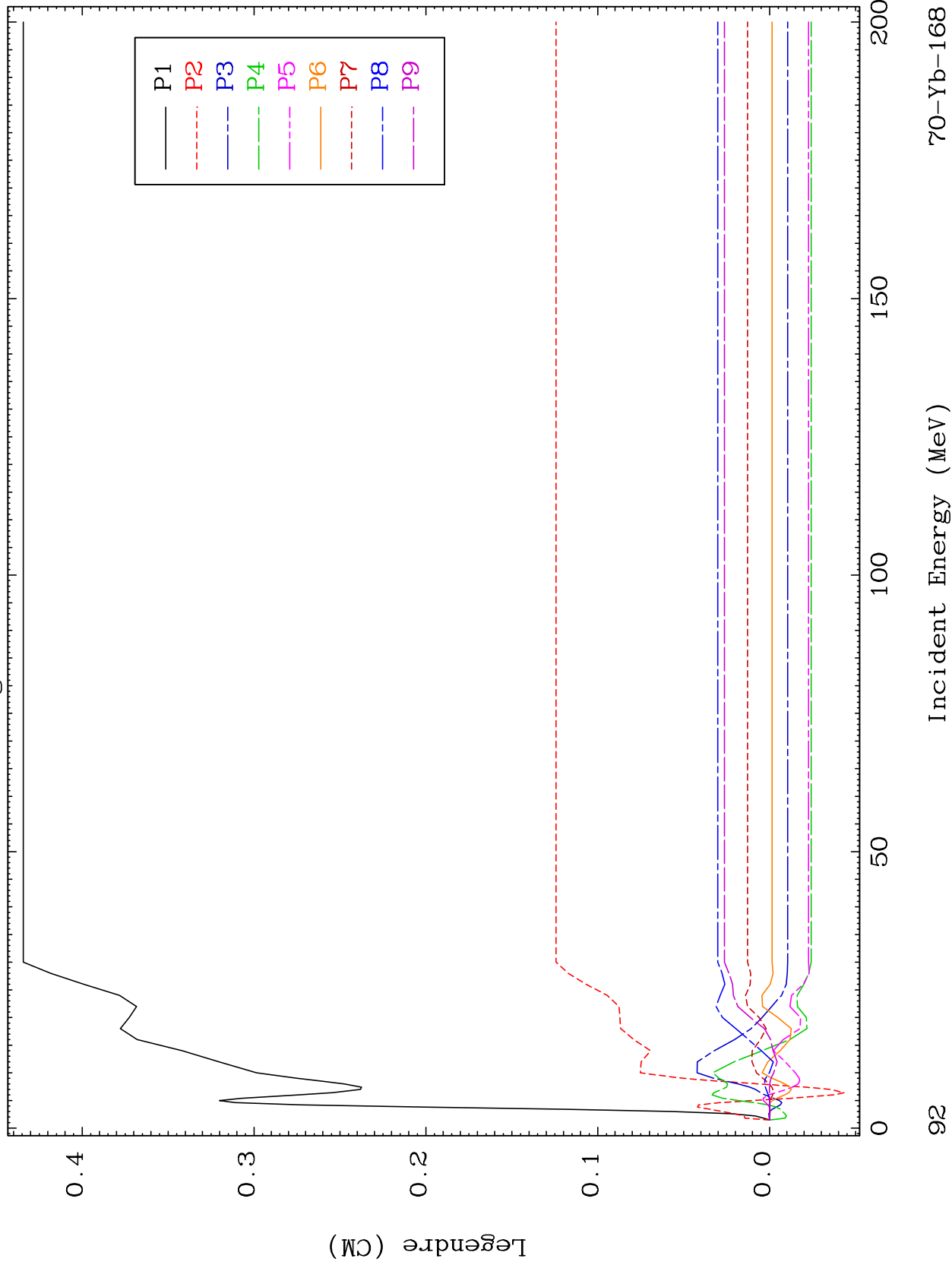




MAT 7025

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

70-Yb-168



70-Yb-168

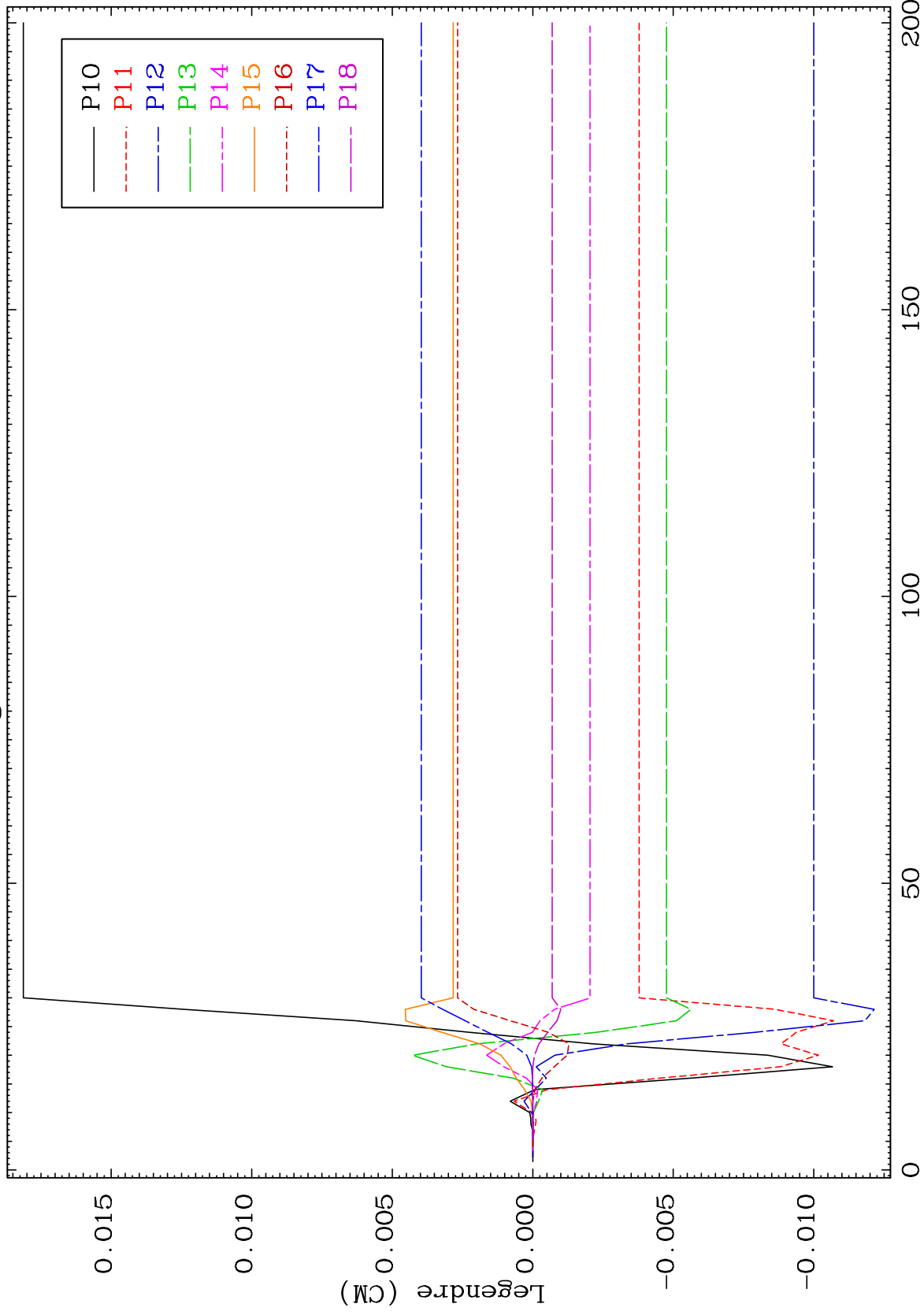
Incident Energy (MeV)

92

MAT 7025

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

70-Yb-168



93

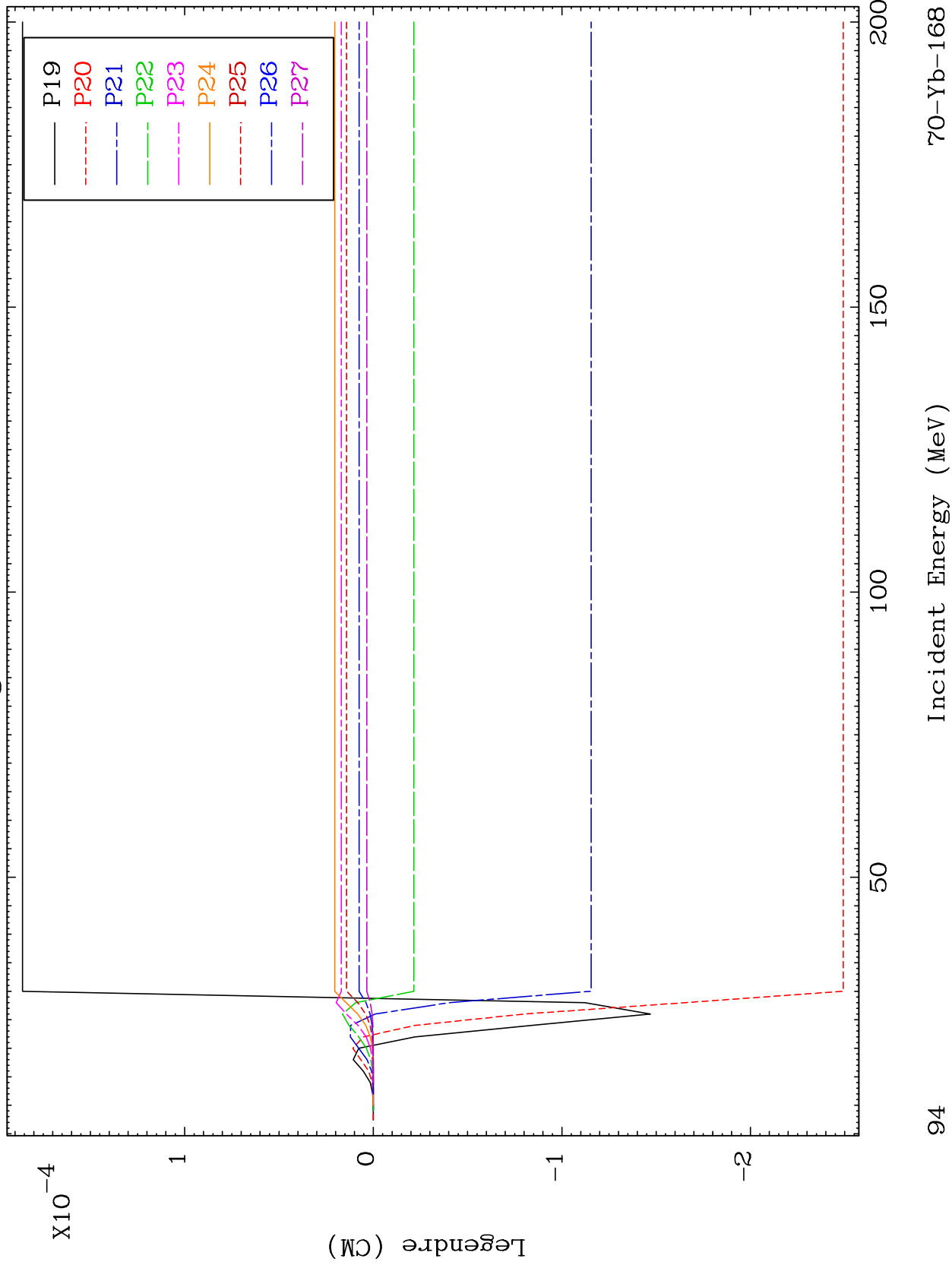
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

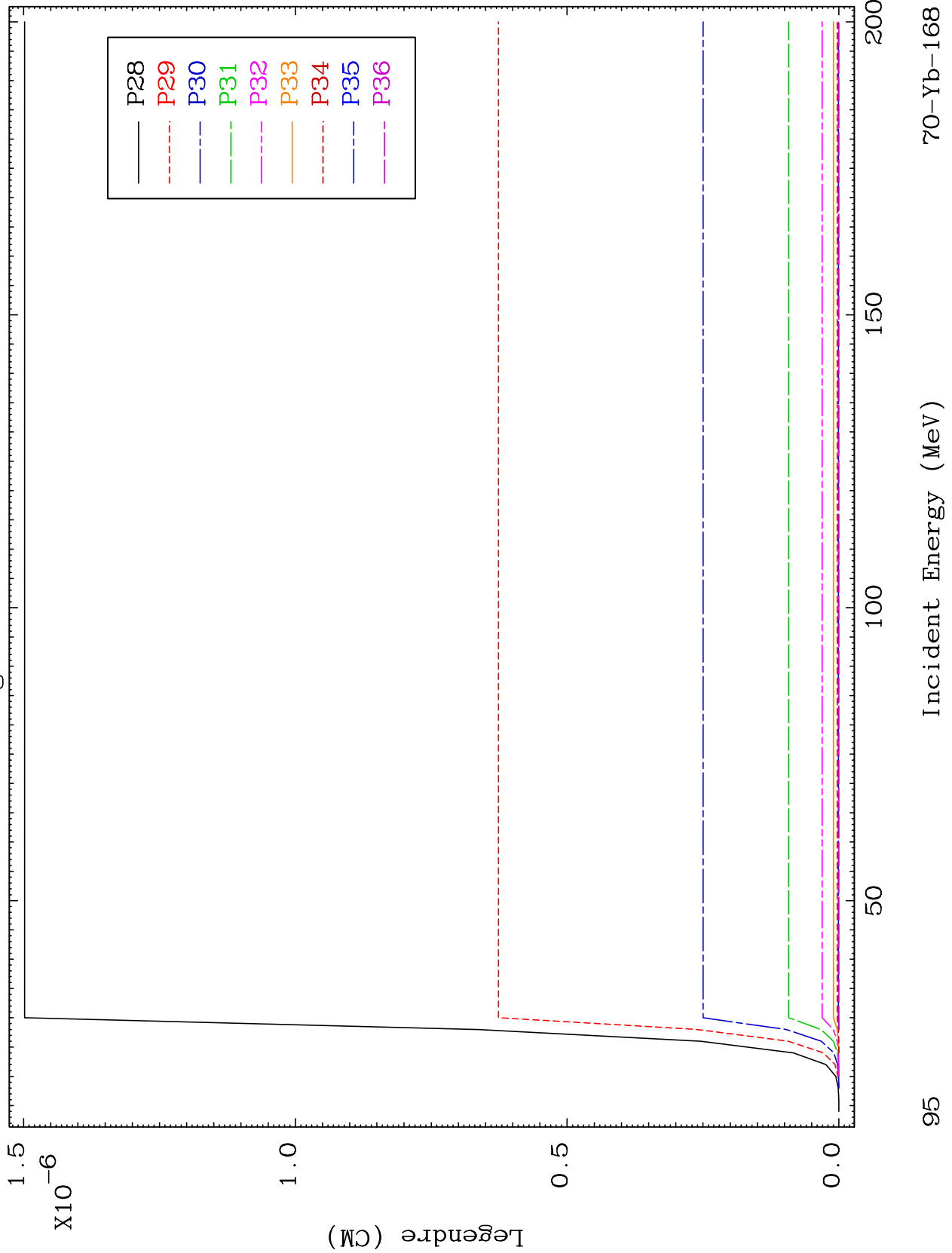
70-Yb-168



MAT 7025

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

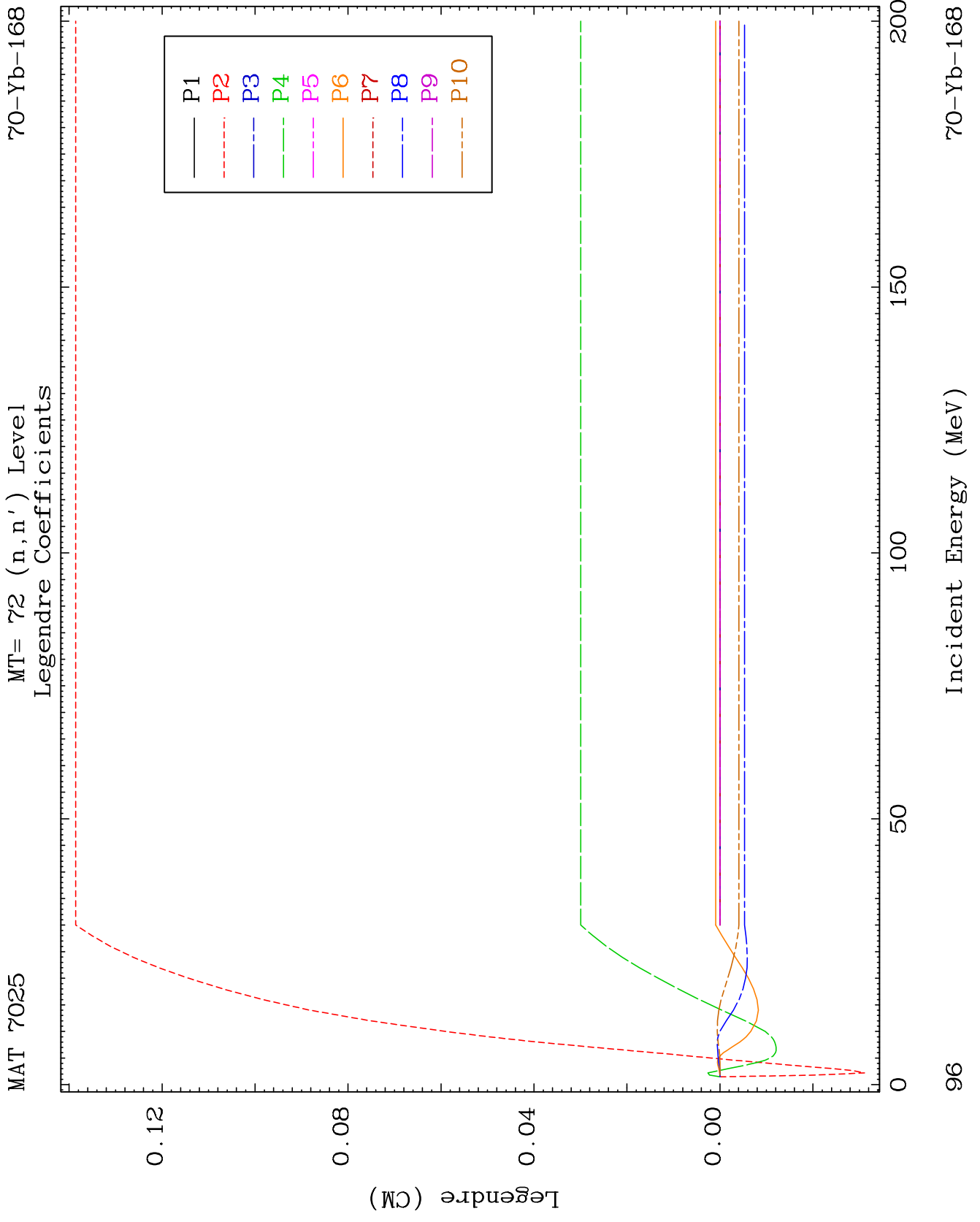
70-Yb-168



70-Yb-168

Incident Energy (MeV)

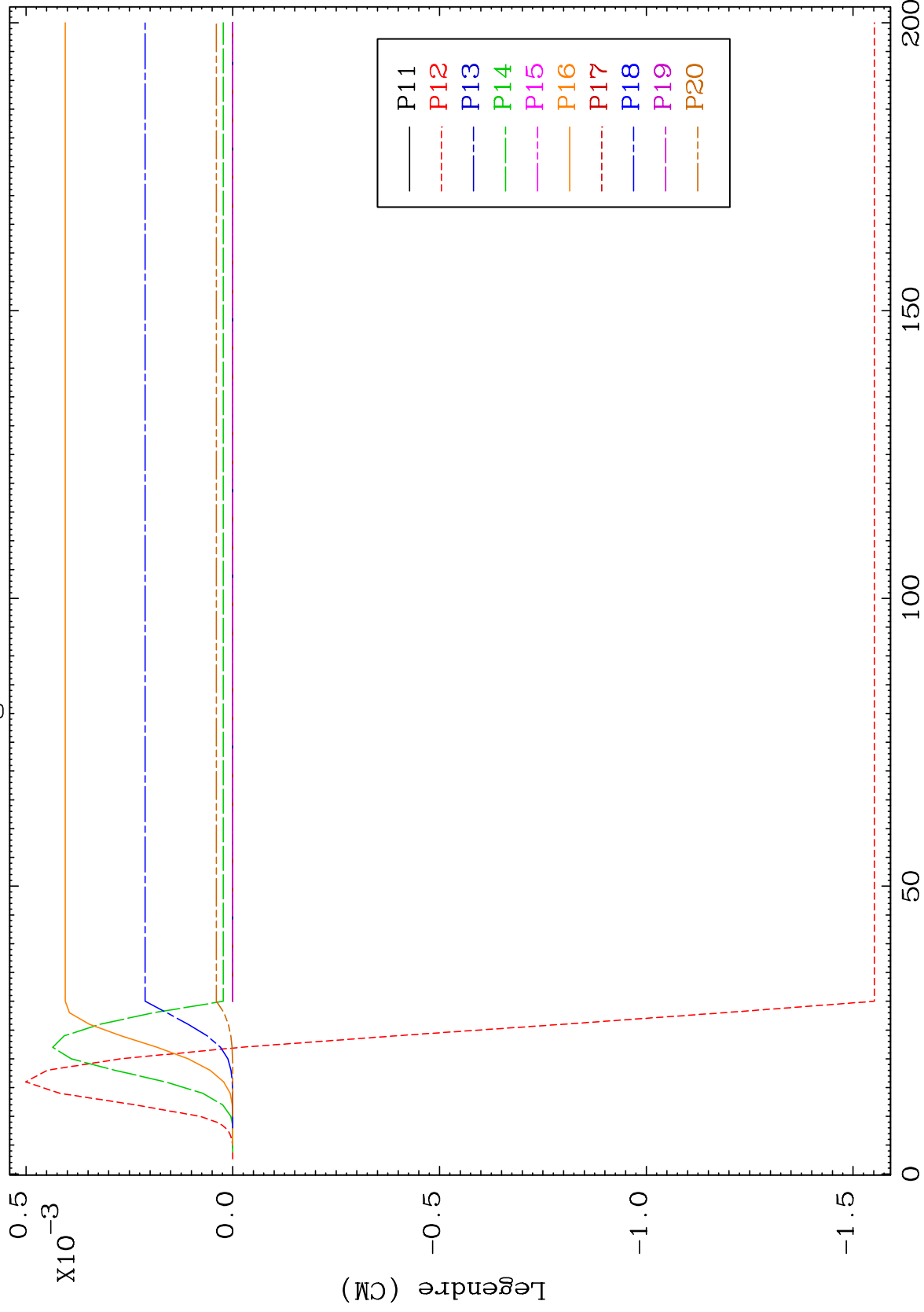
95



MAT 7025

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

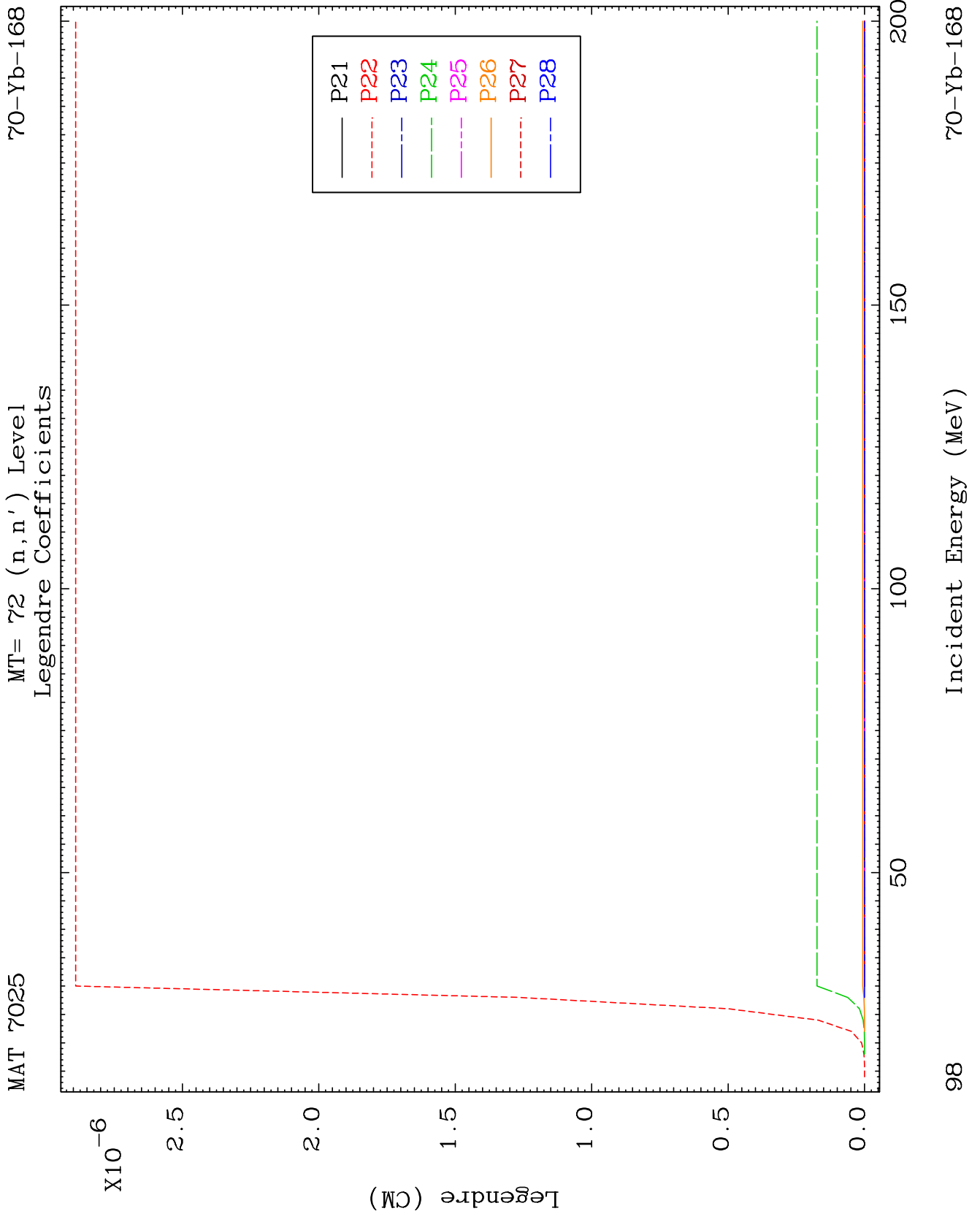
70-Yb-168



97

Incident Energy (MeV)

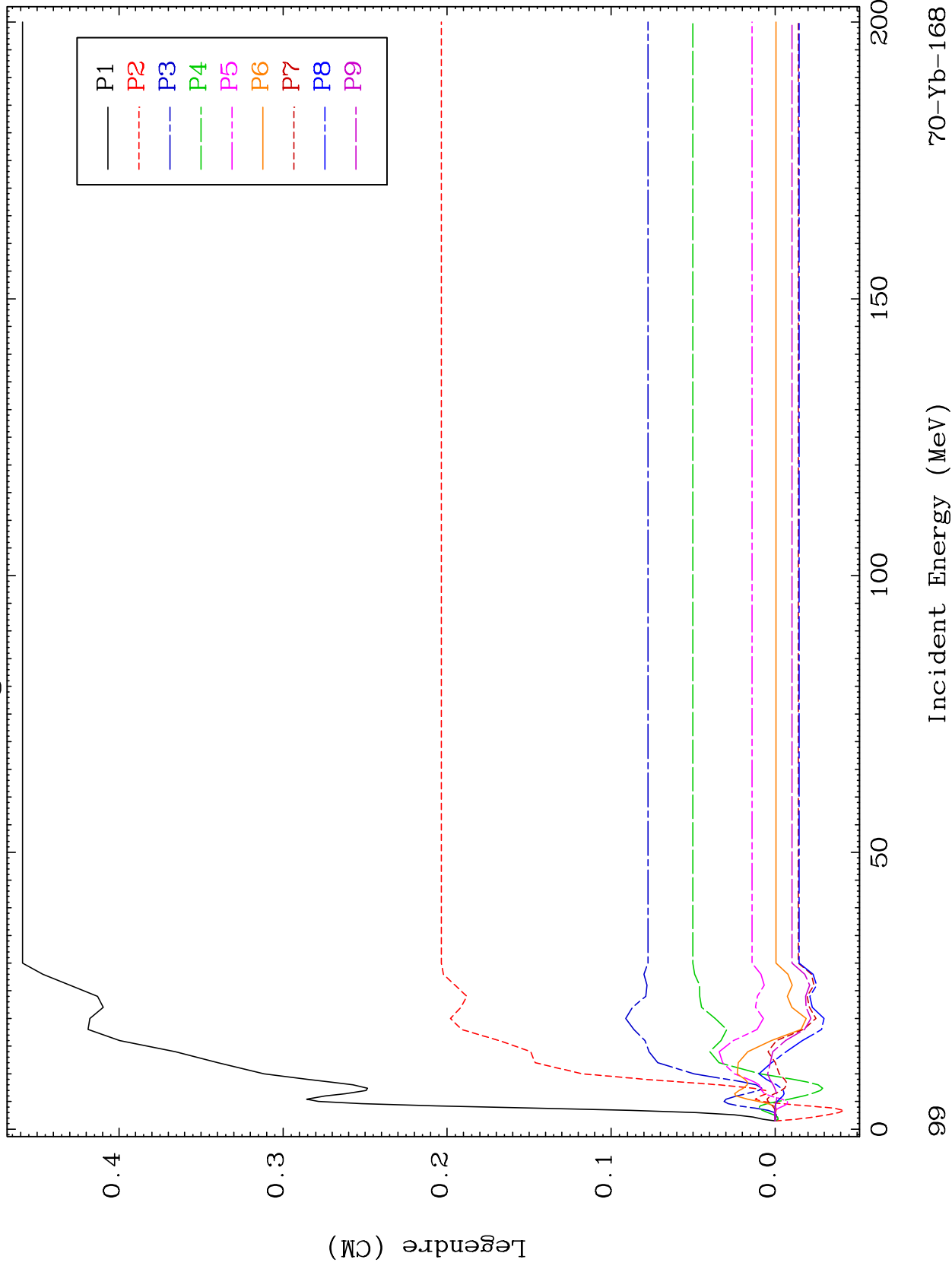
70-Yb-168



MAT 7025

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

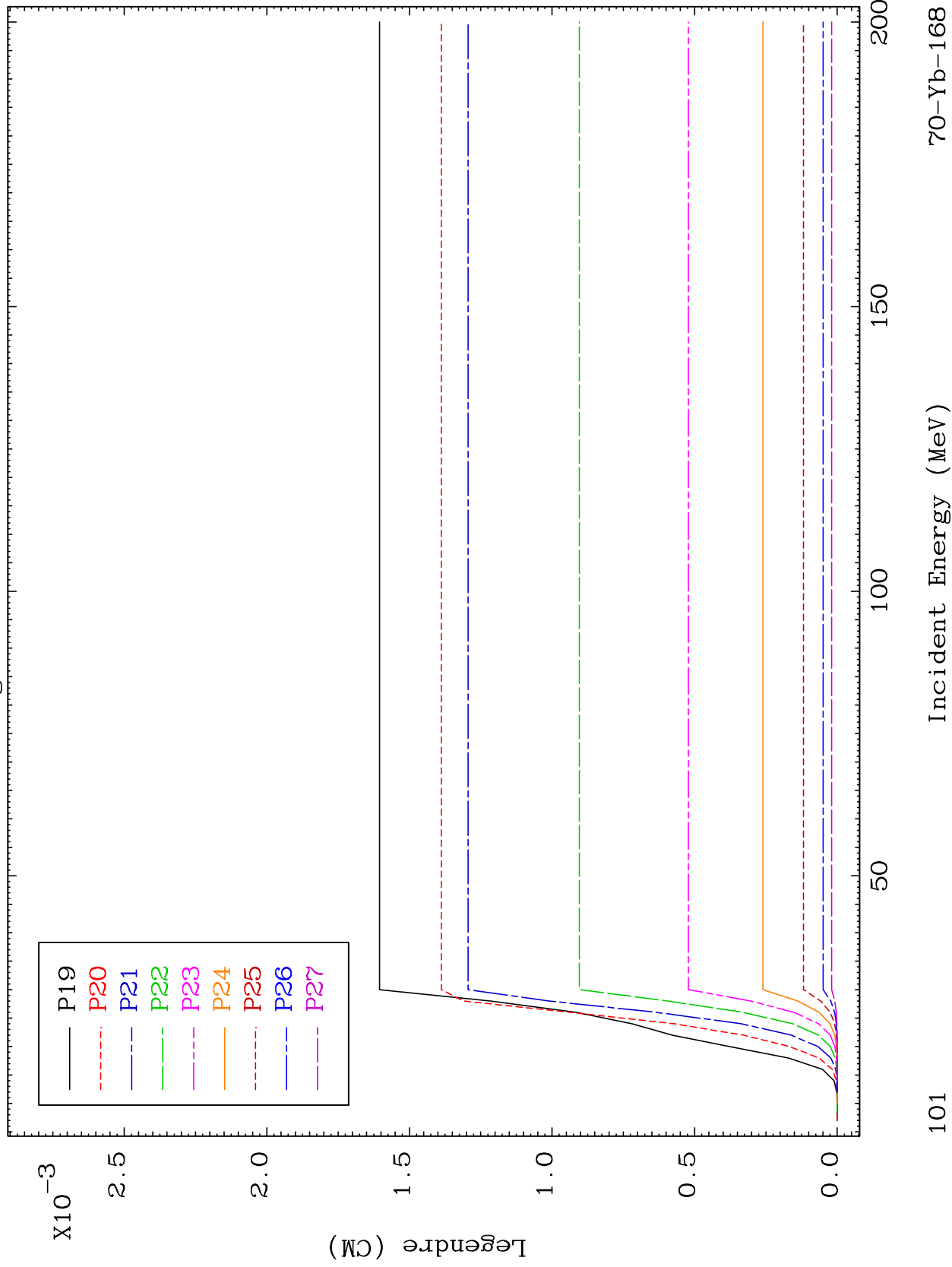
70-Yb-168



MAT 7025

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

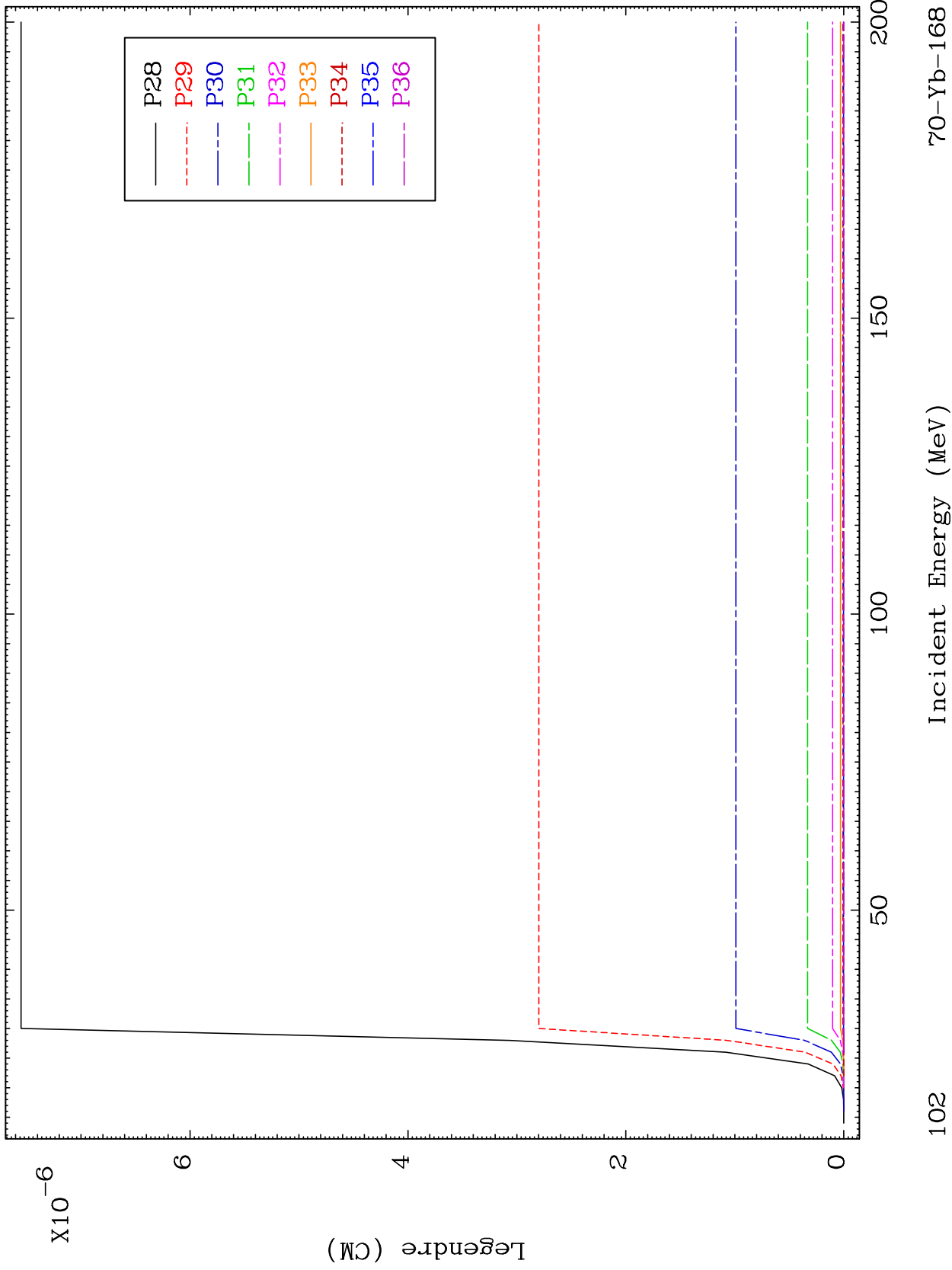
70-Yb-168



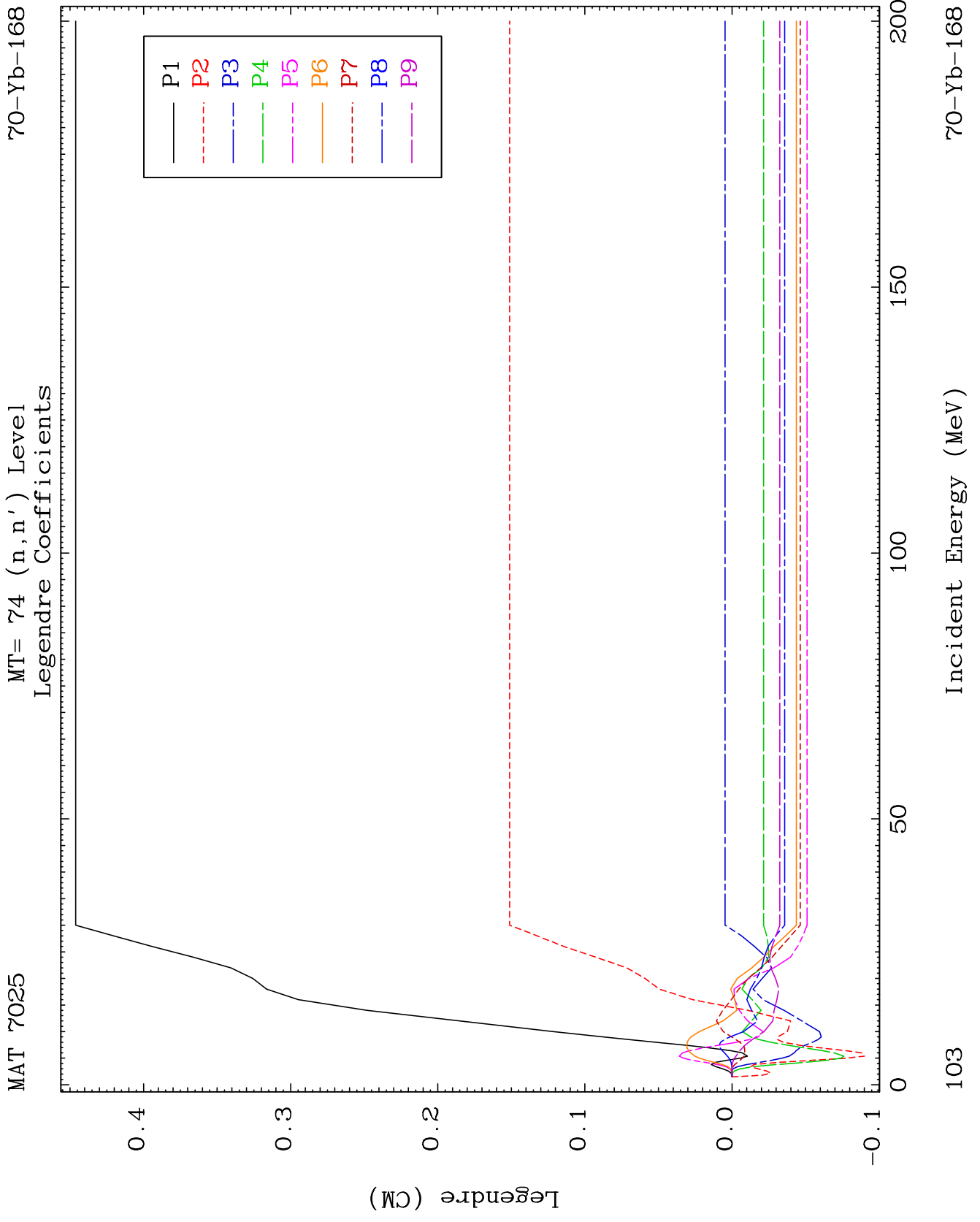
MAT 7025

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

70-Yb-168



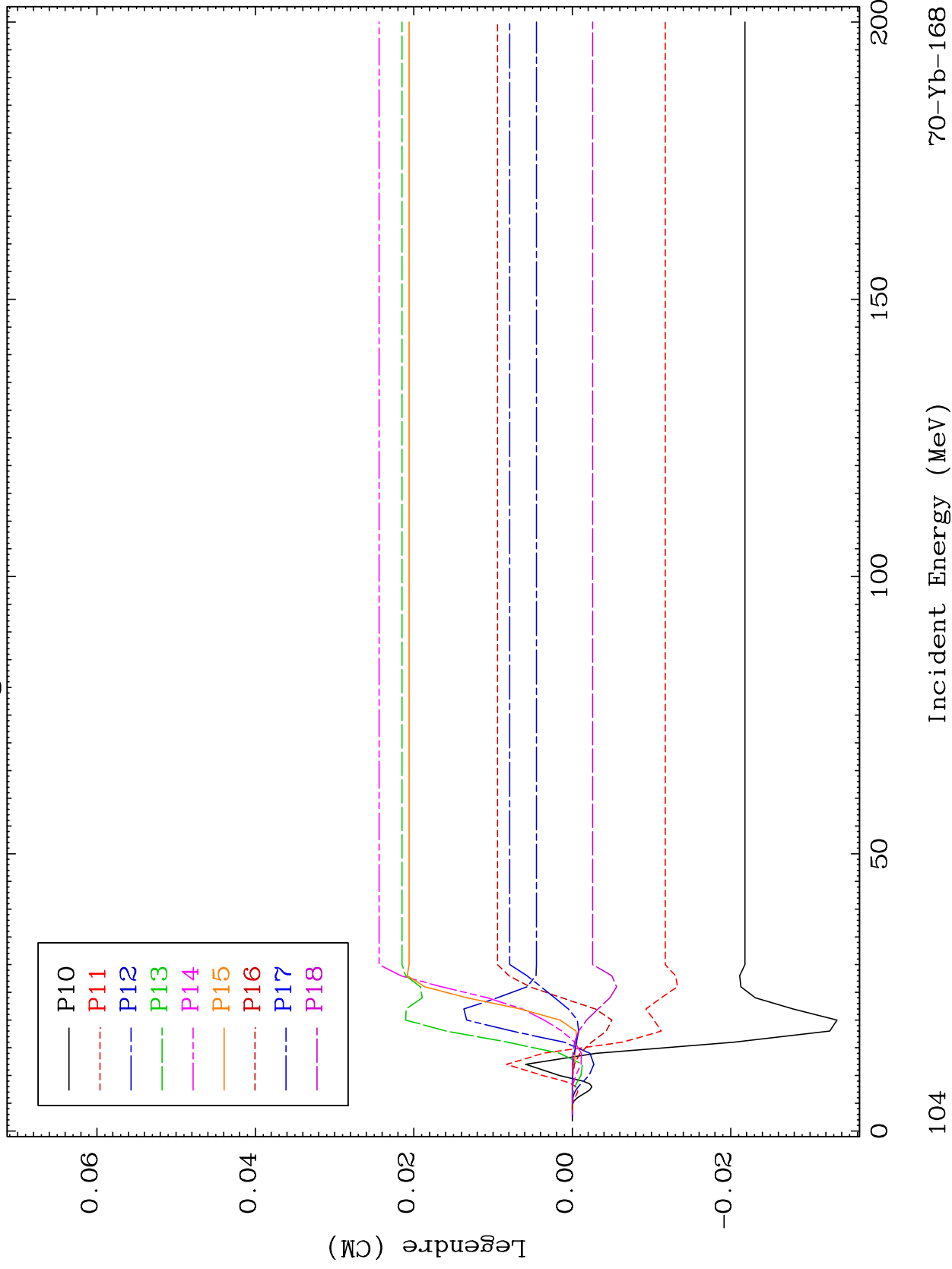
102



MAT 7025

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

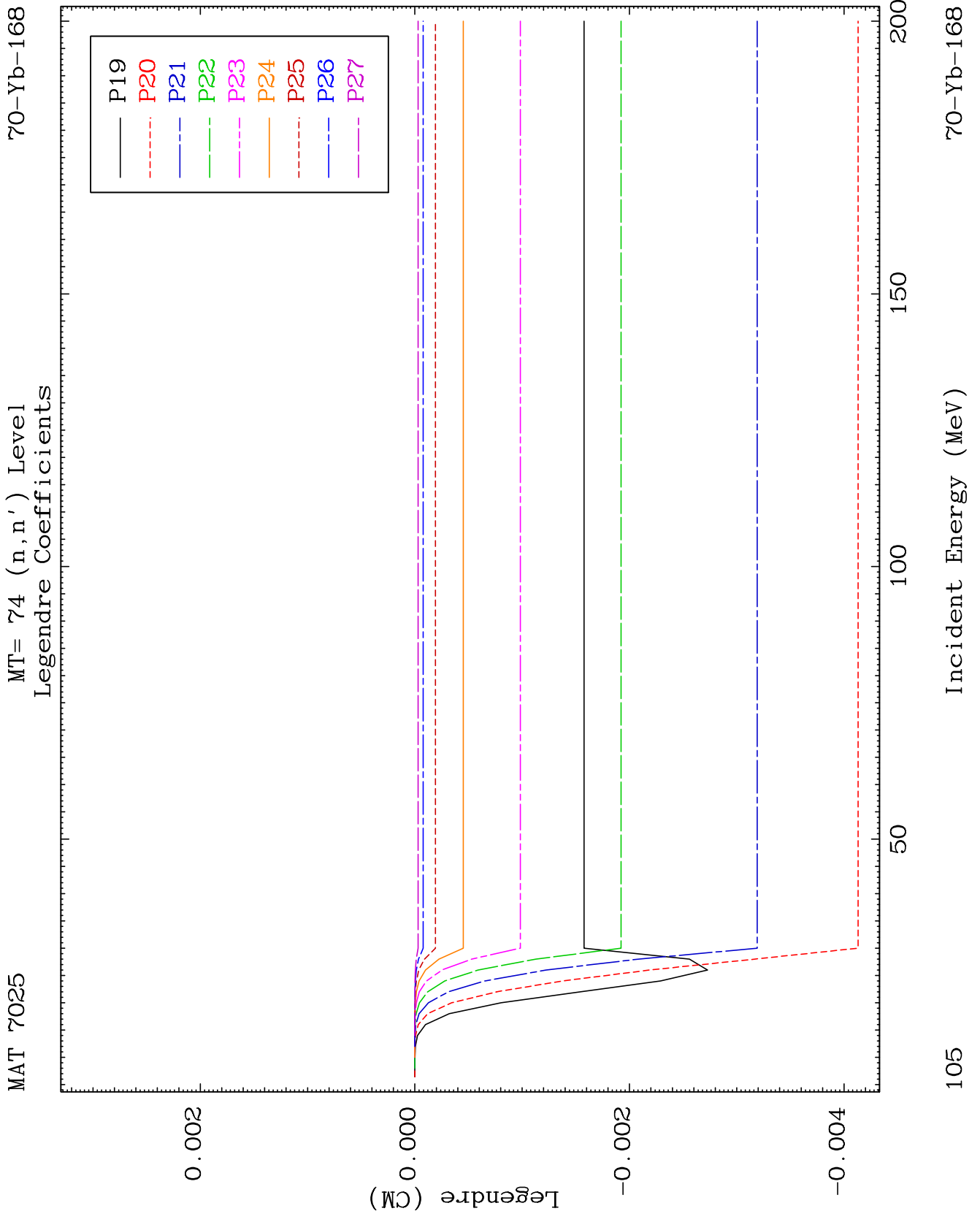
70-Yb-168

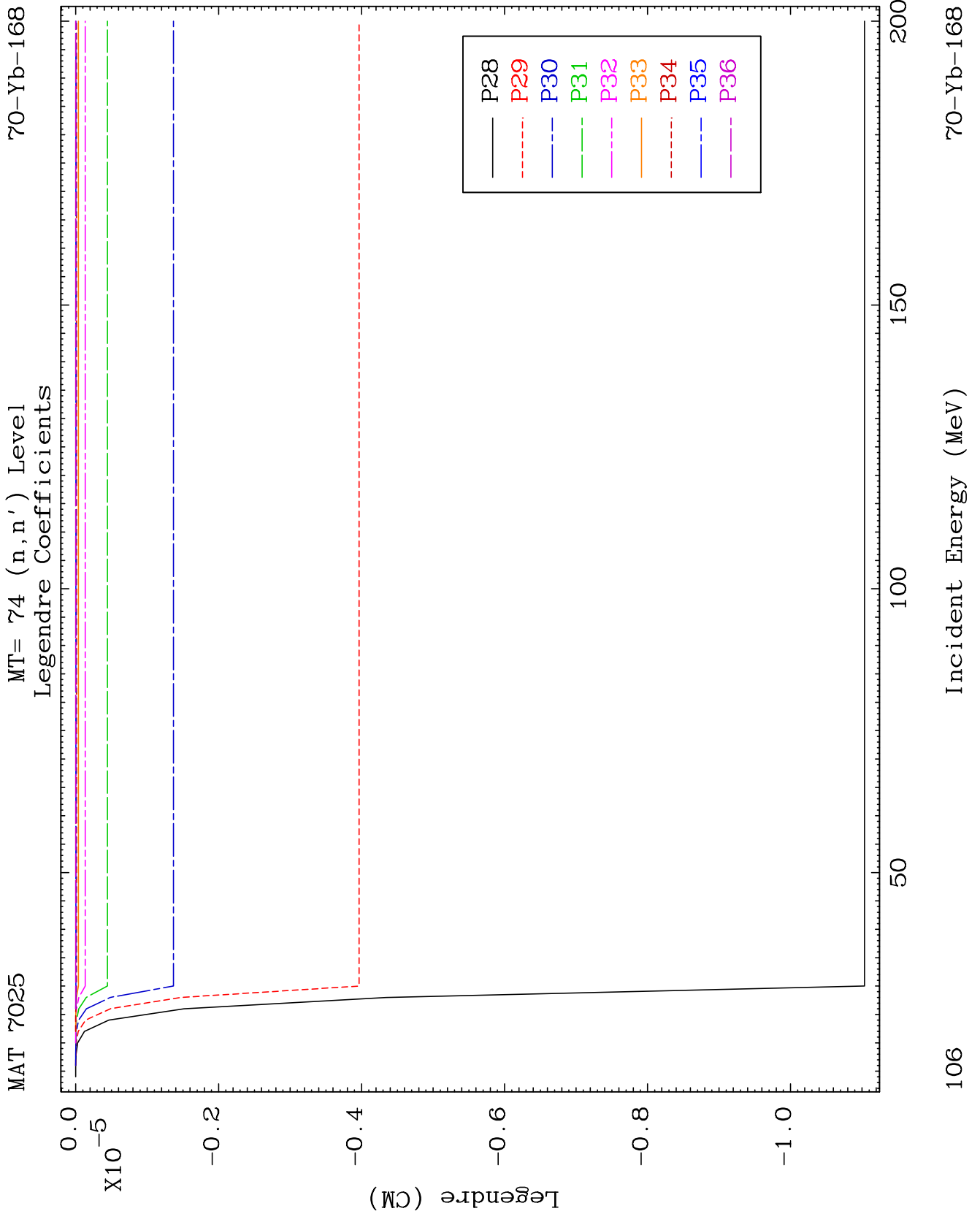


104

Incident Energy (MeV)

70-Yb-168

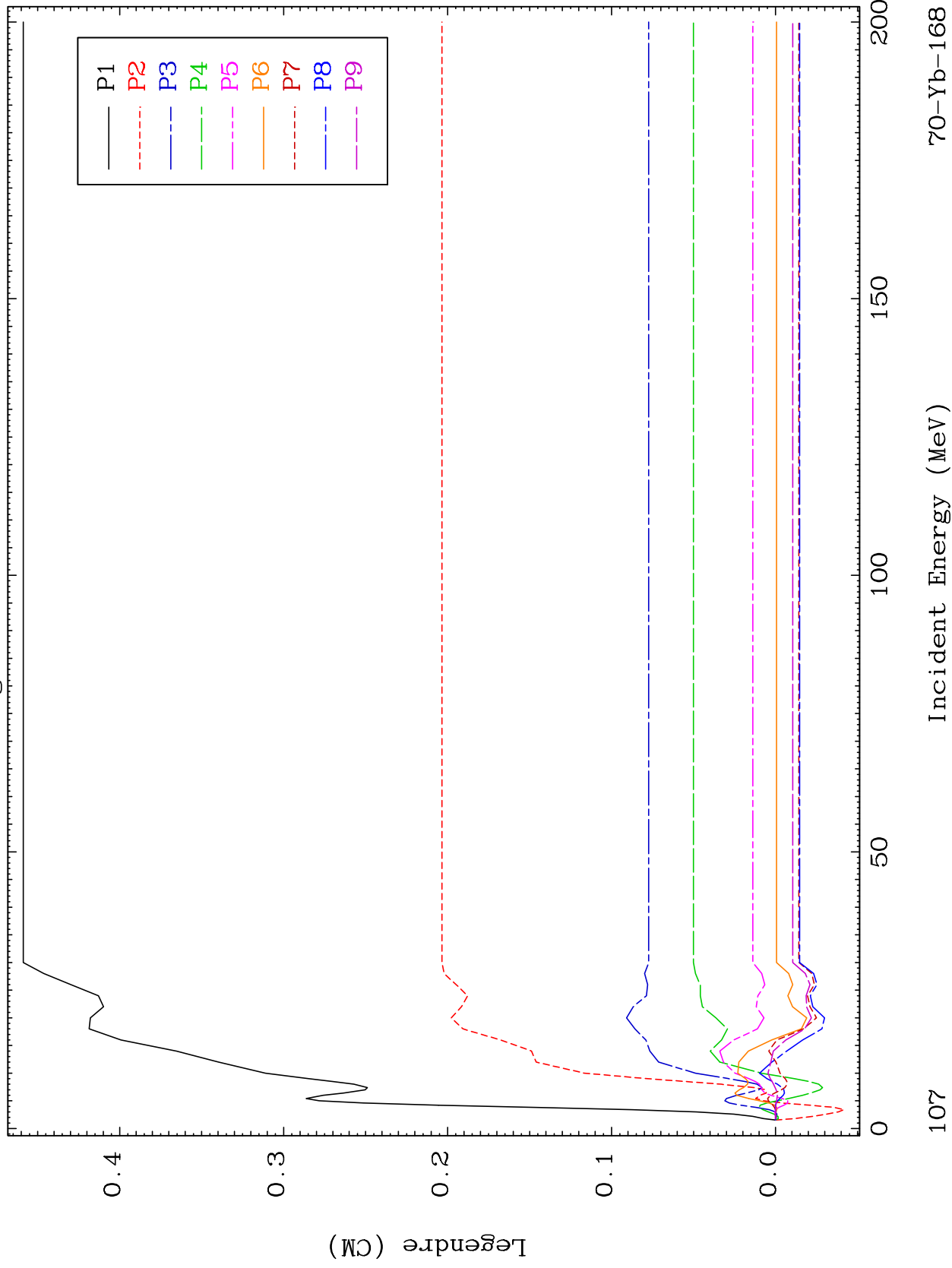




MAT 7025

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

70-Yb-168



70-Yb-168

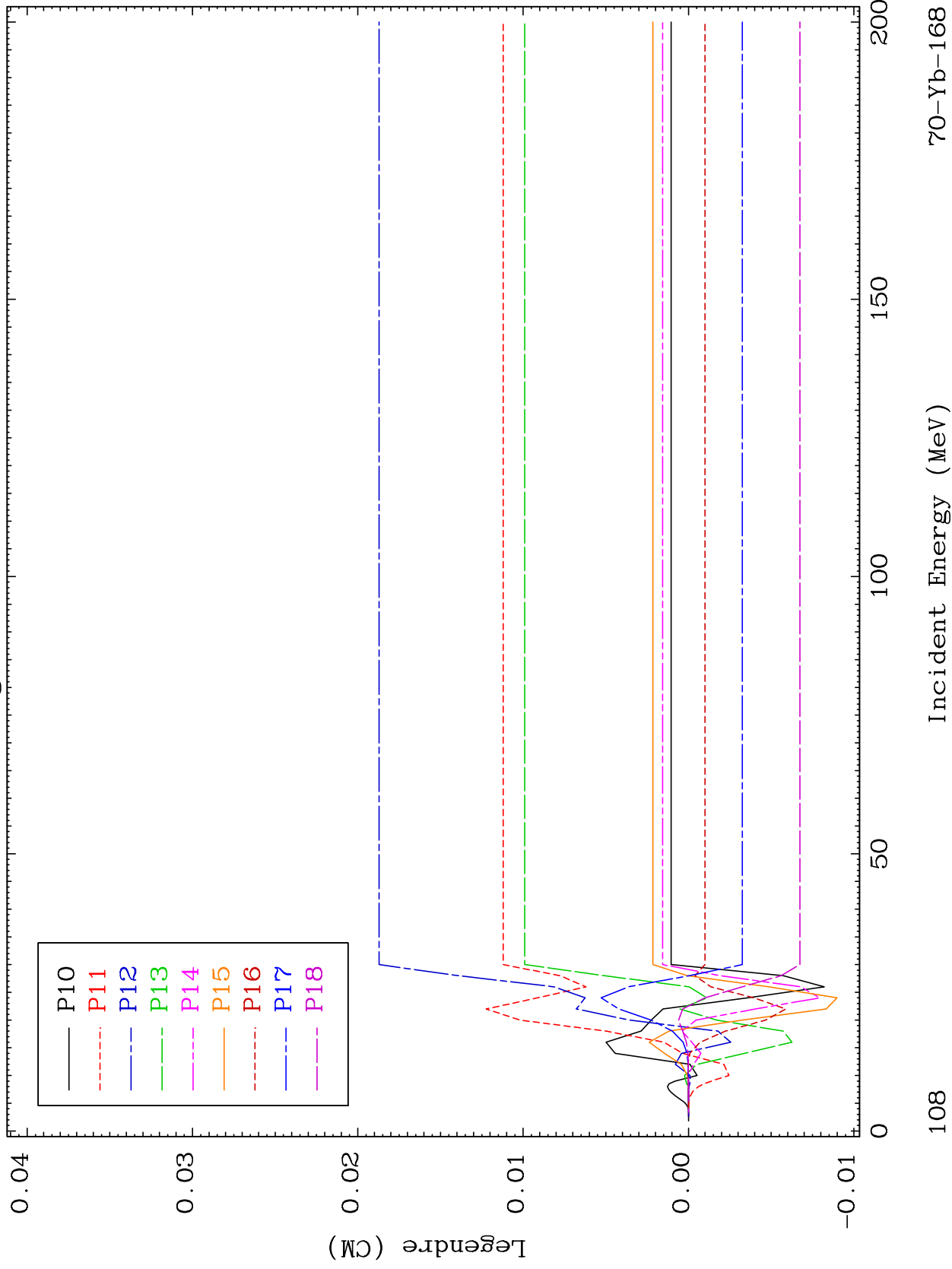
Incident Energy (MeV)

107

MAT 7025

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

70-Yb-168



108

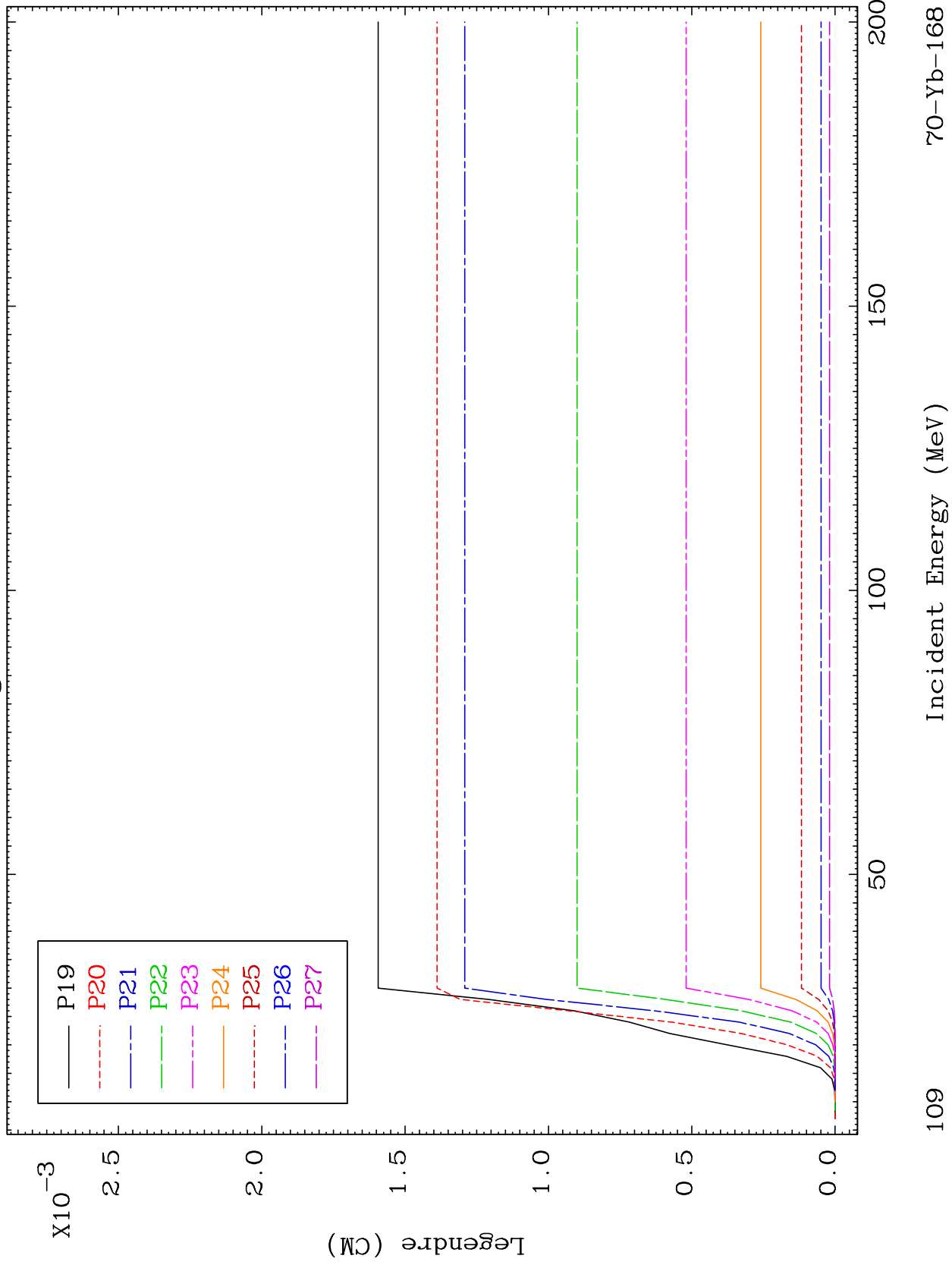
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

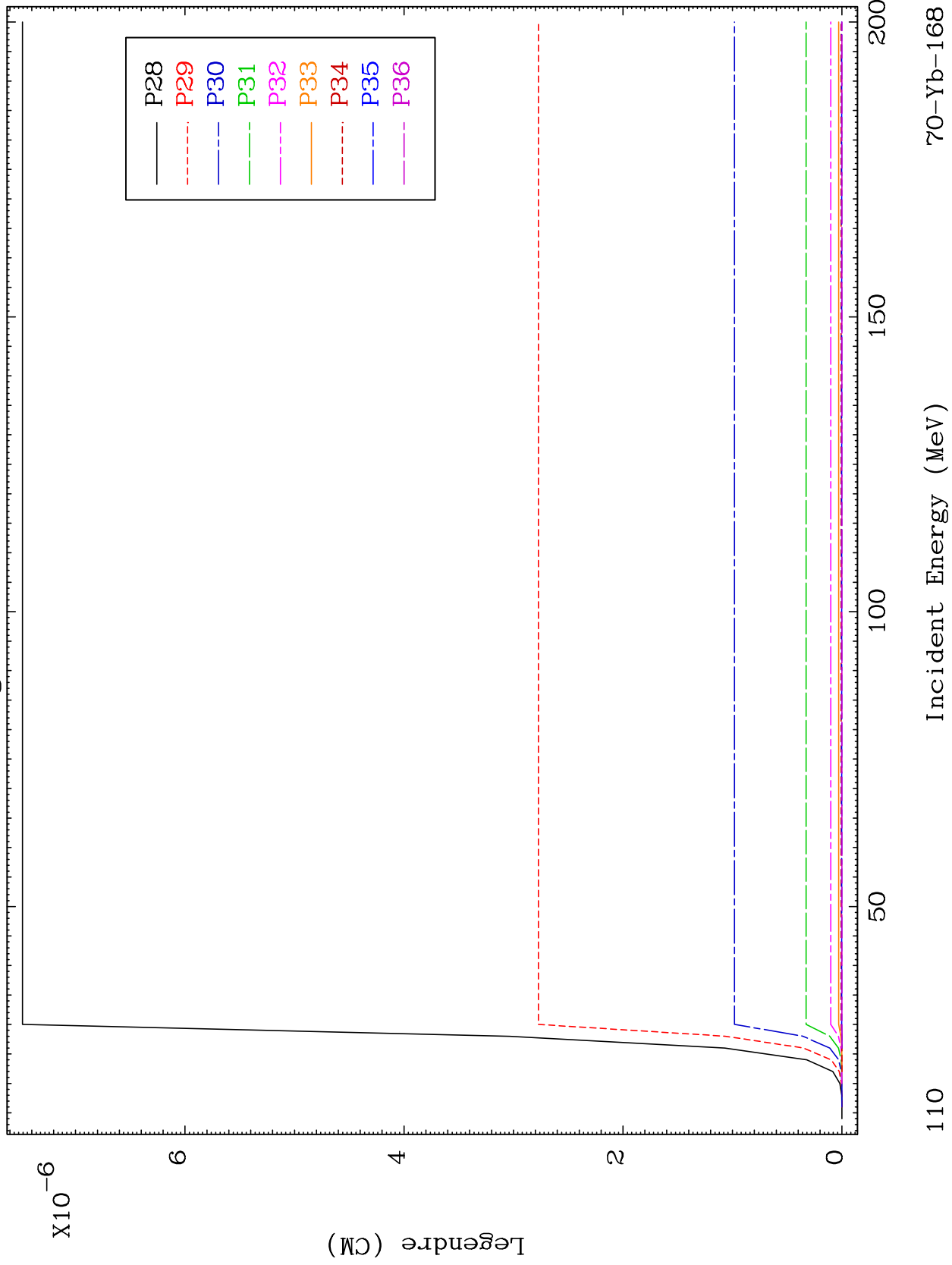


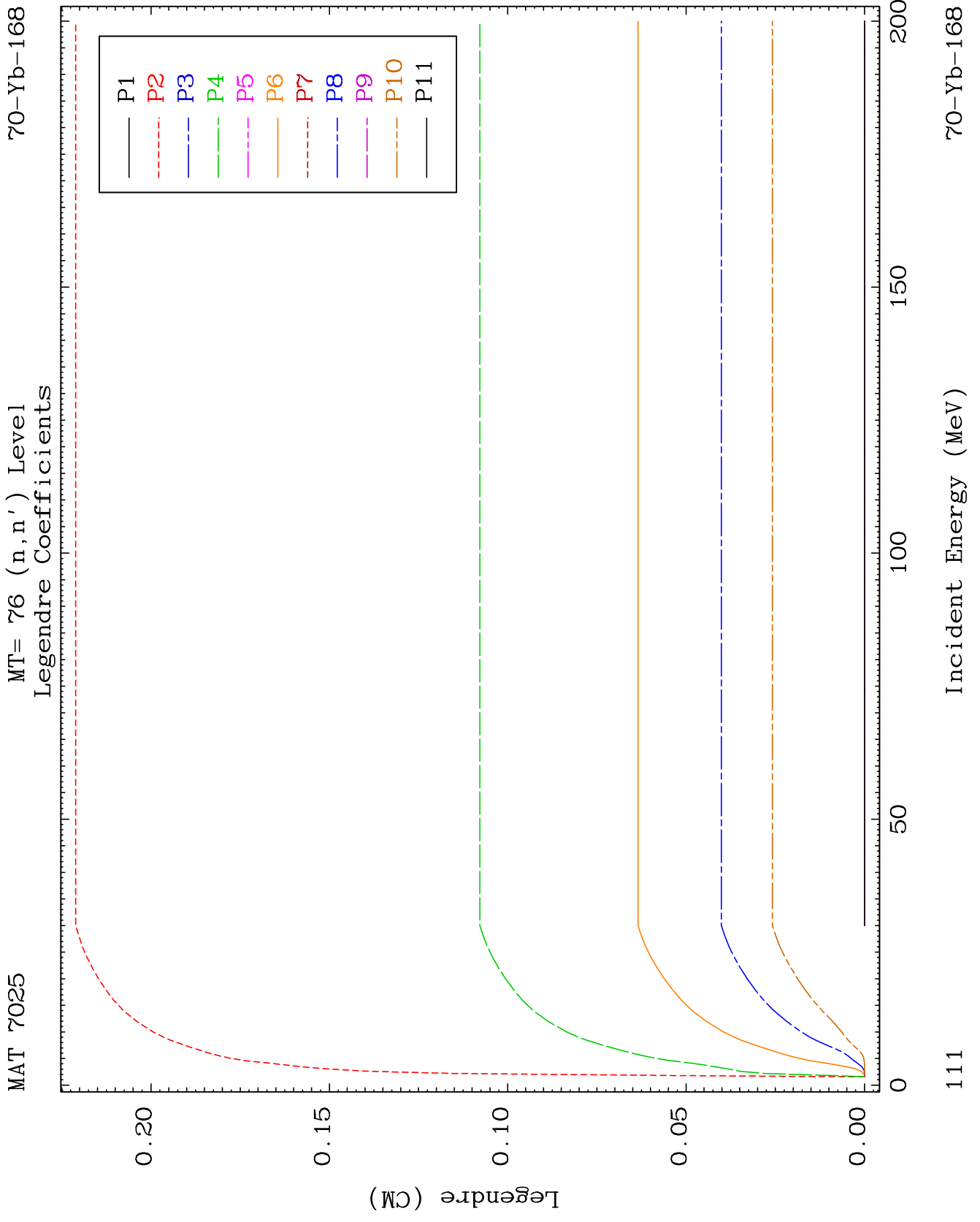
109

MAT 7025

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

70-Yb-168

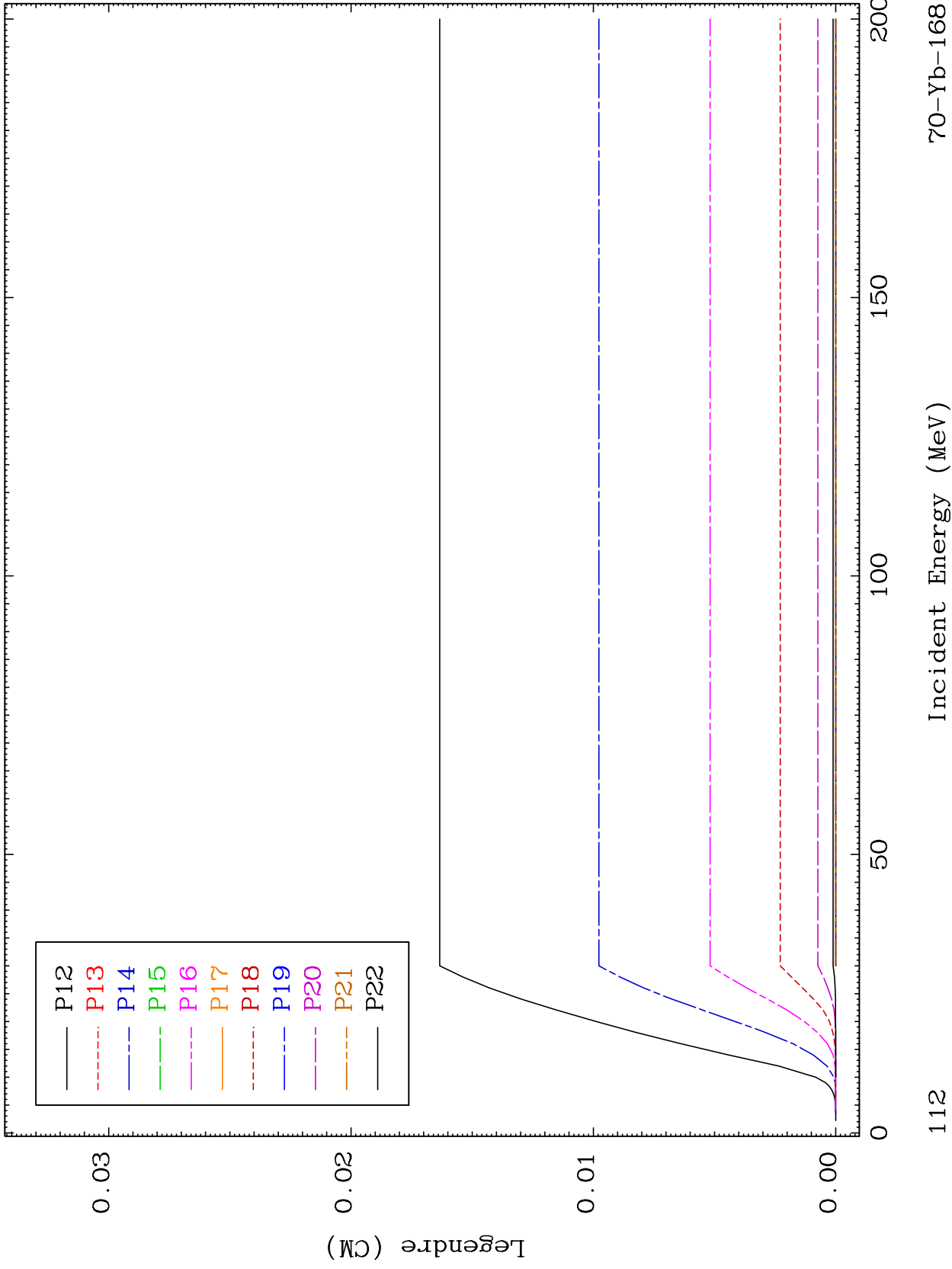




MAT 7025

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

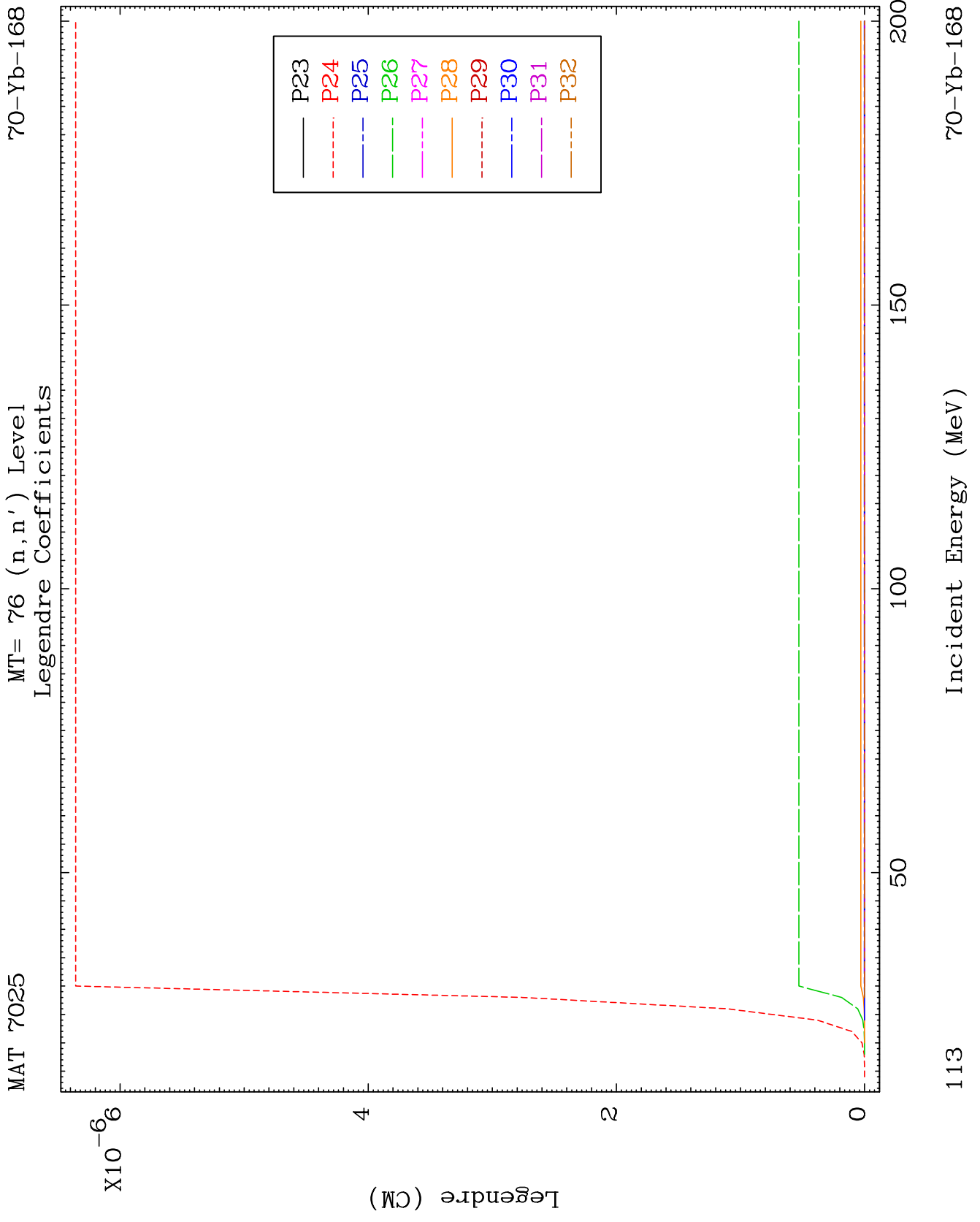
70-Yb-168



112

Incident Energy (MeV)

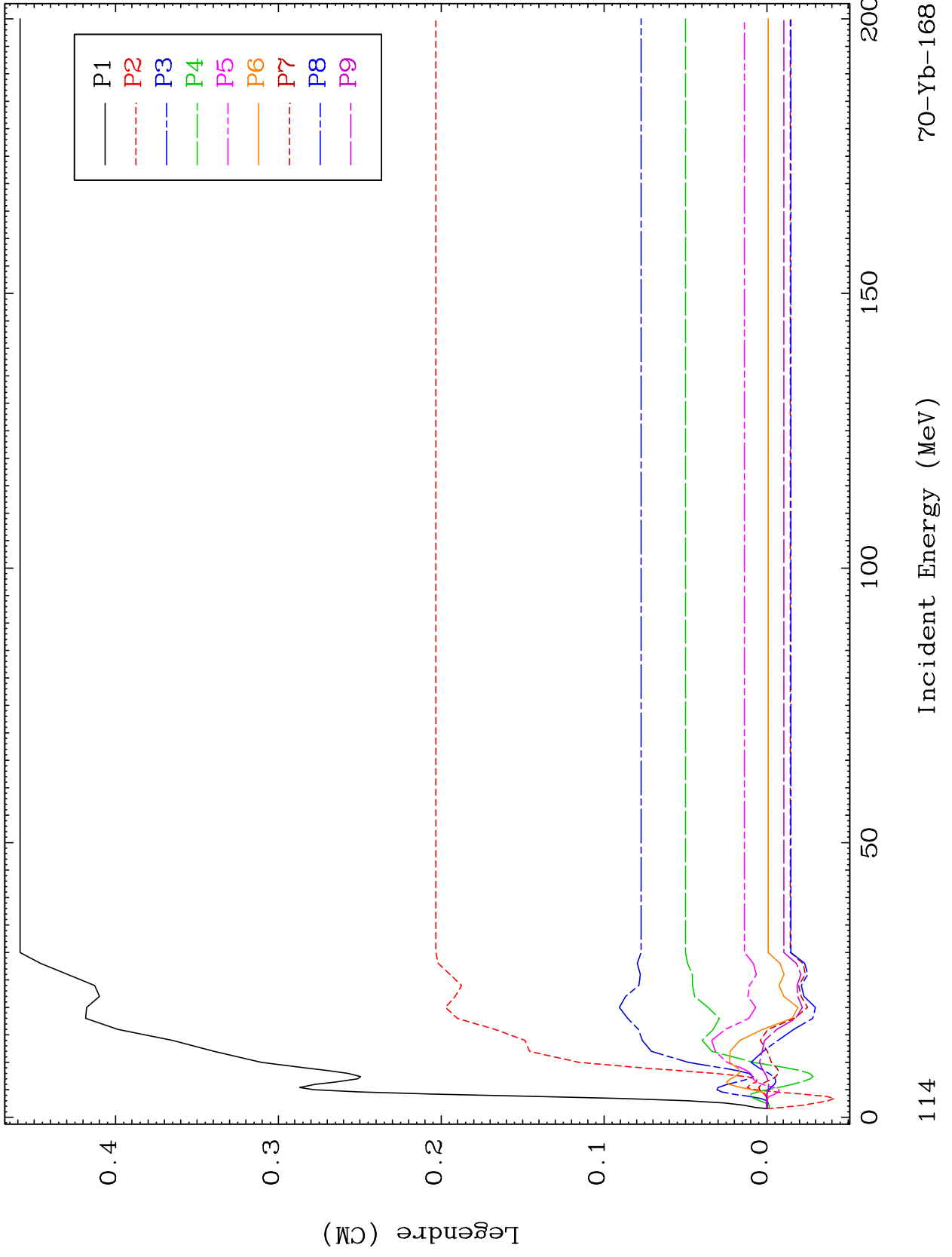
70-Yb-168



MAT 7025

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

70-Yb-168



70-Yb-168

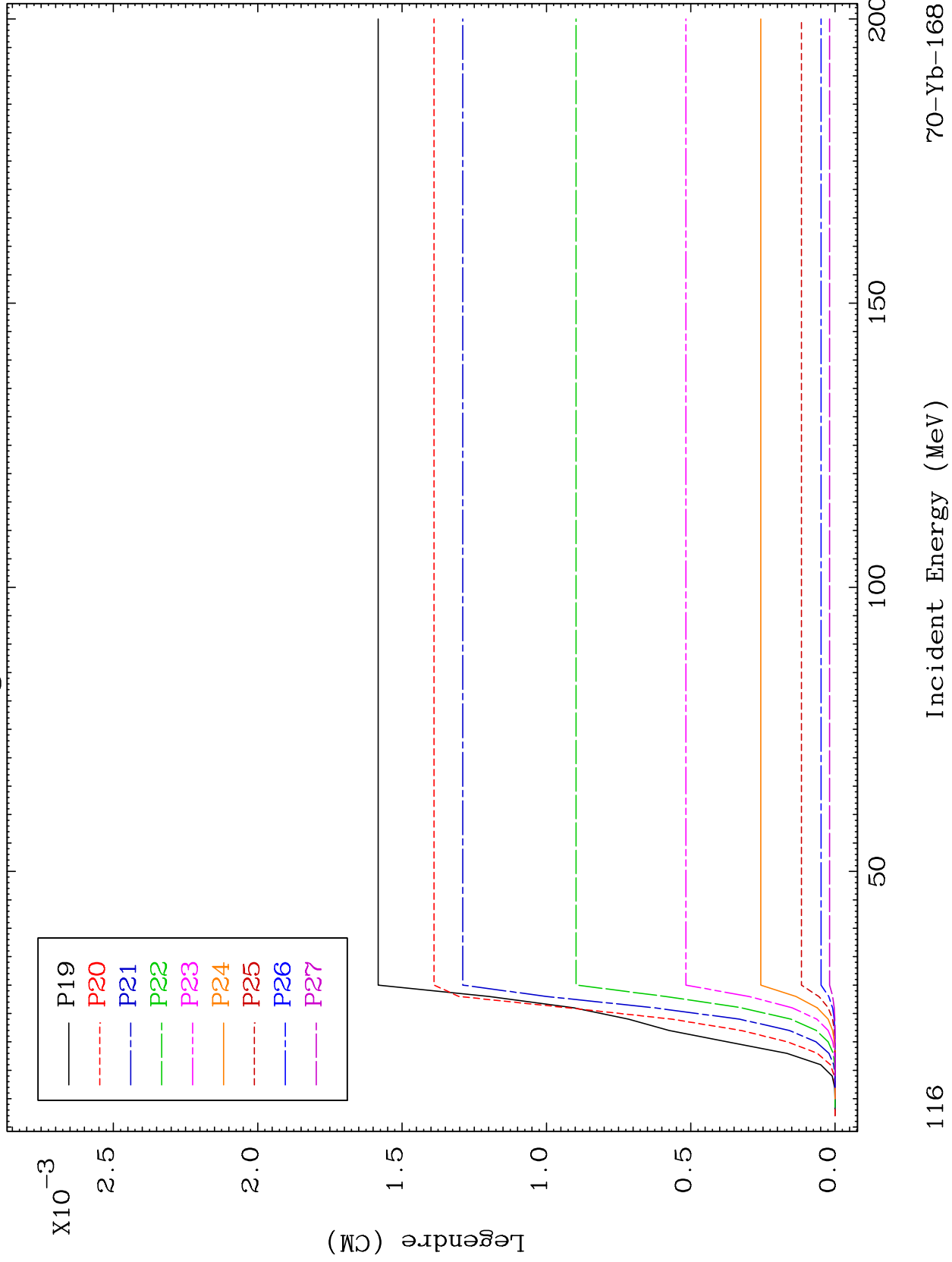
Incident Energy (MeV)

114

MAT 7025

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

70-Yb-168

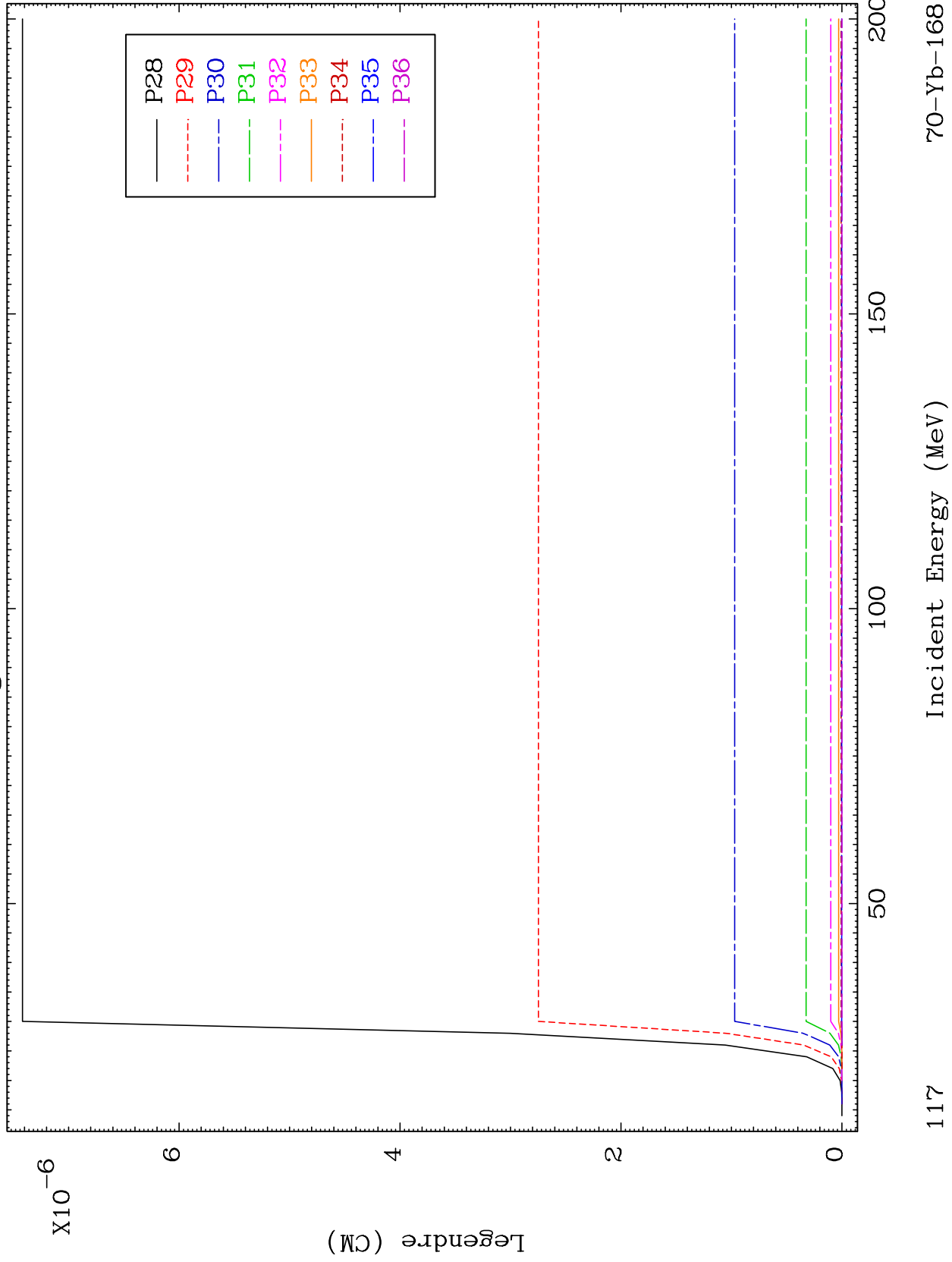


116

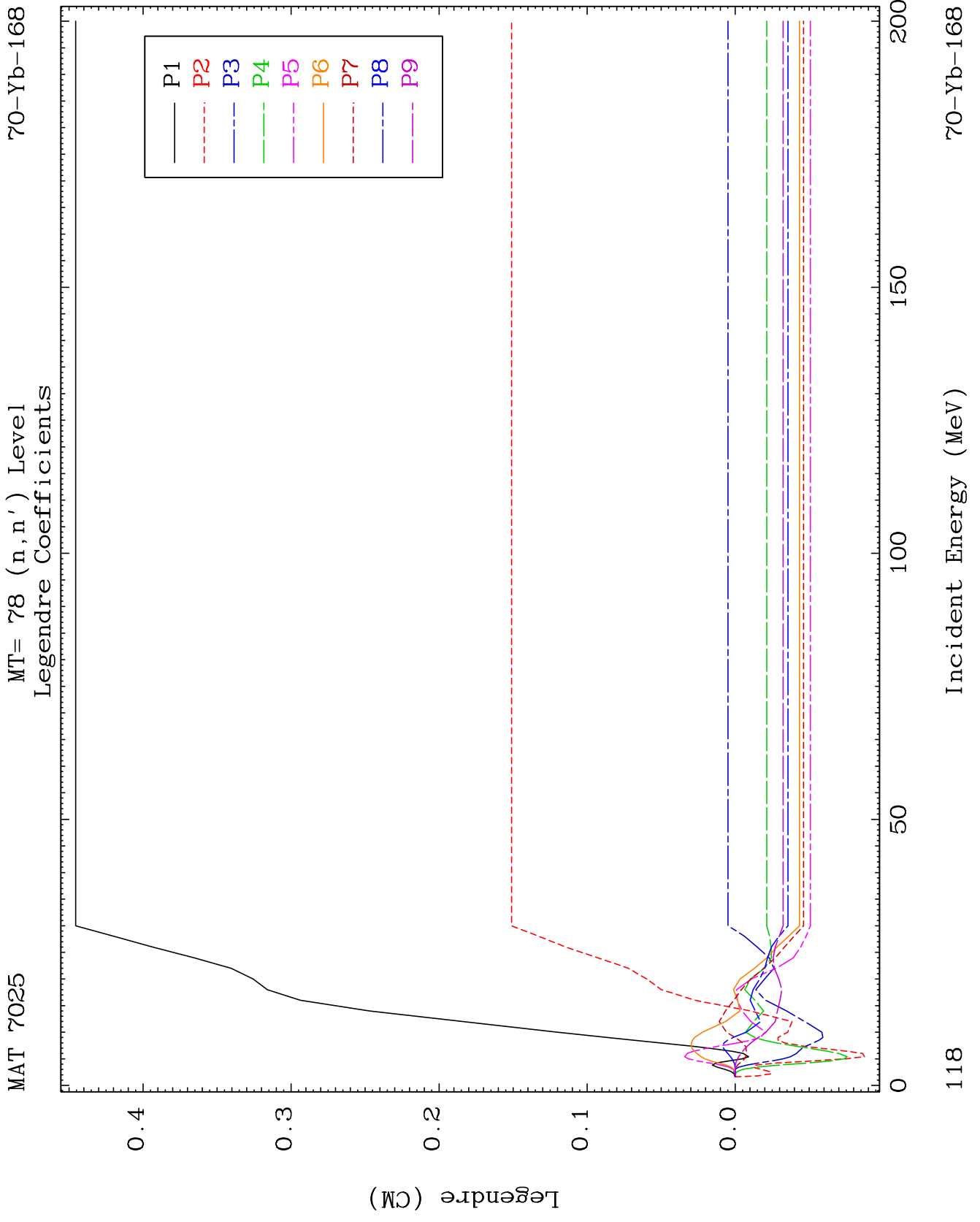
MAT 7025

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

70-Yb-168



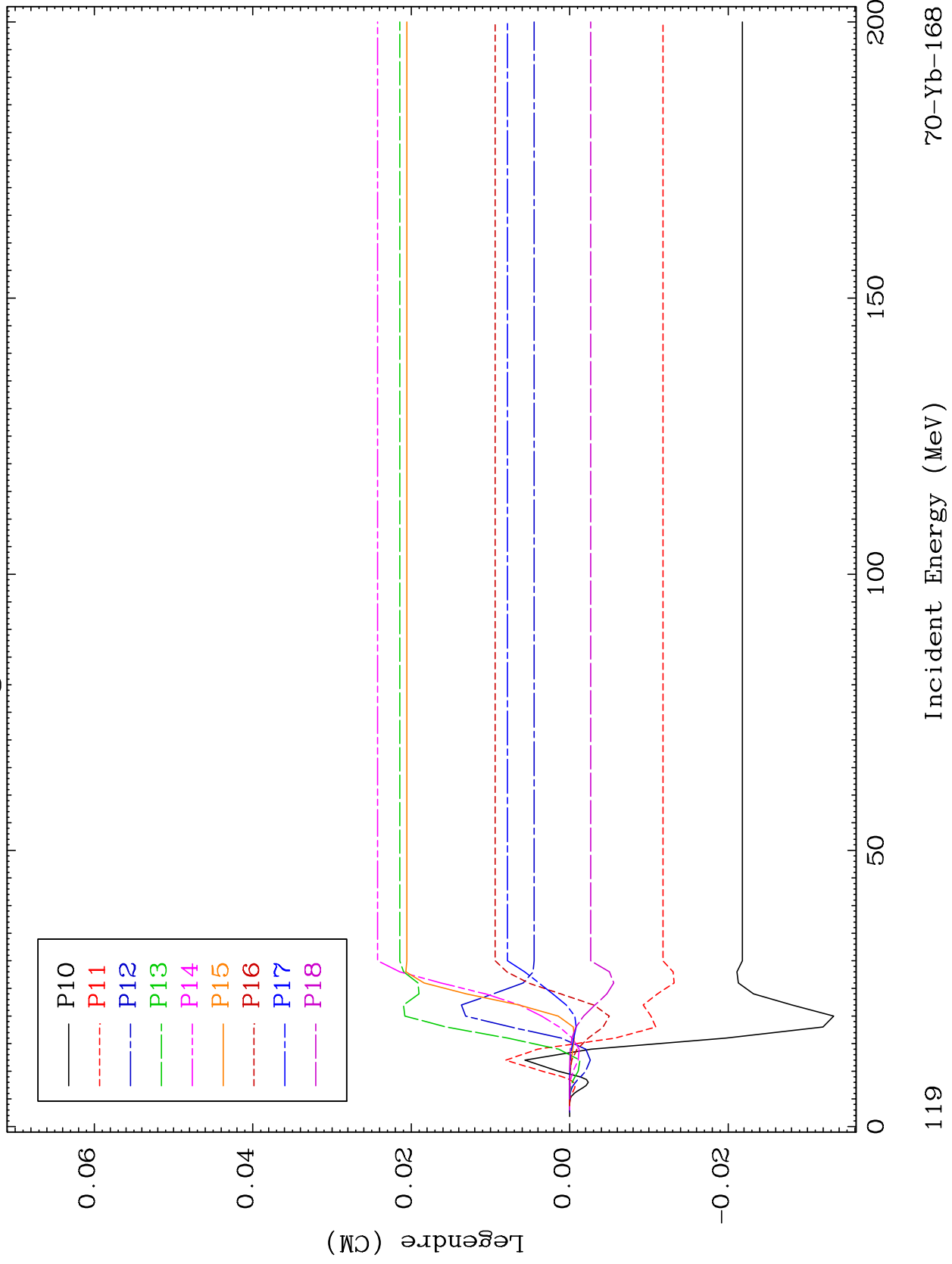
117



MAT 7025

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

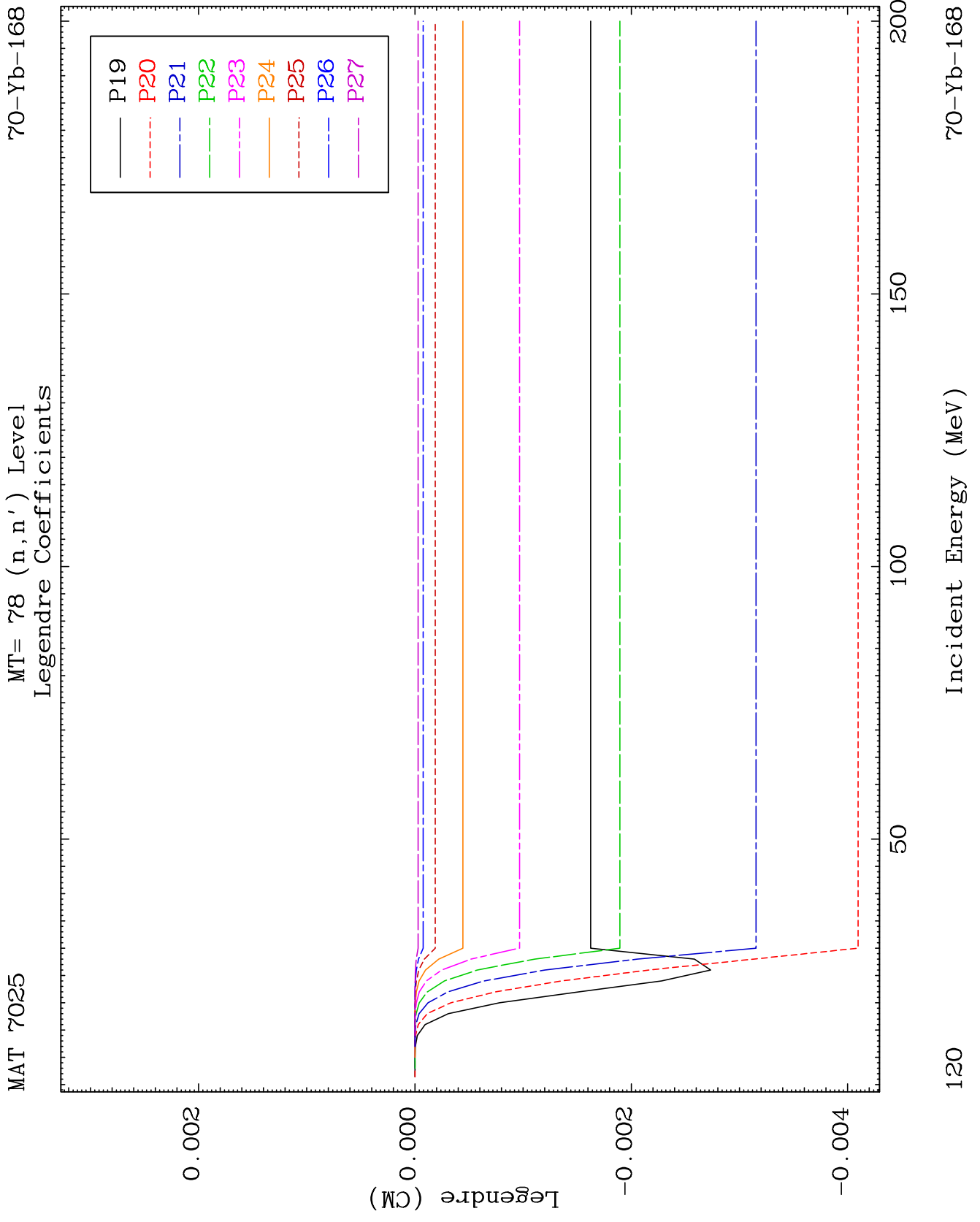
70-Yb-168

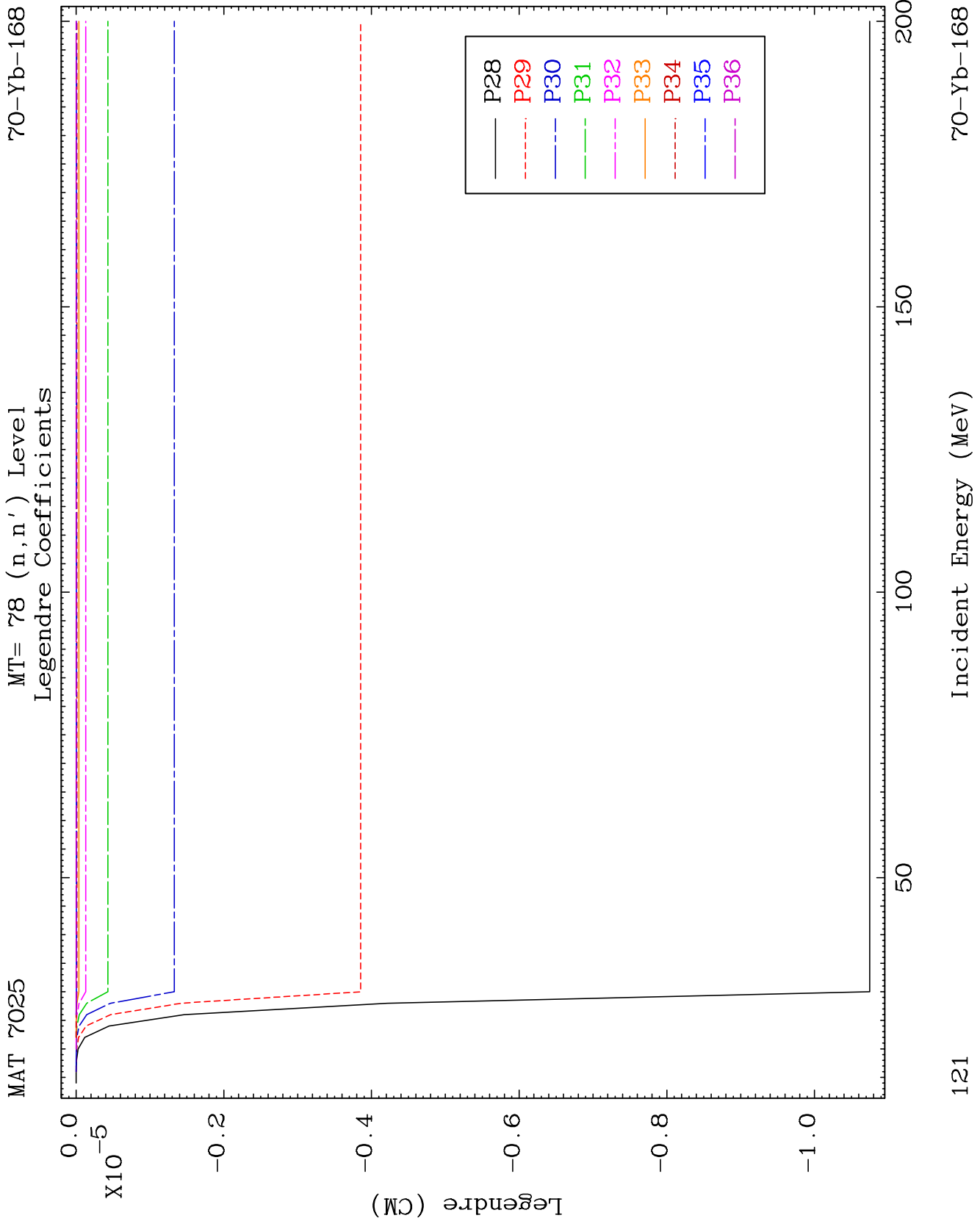


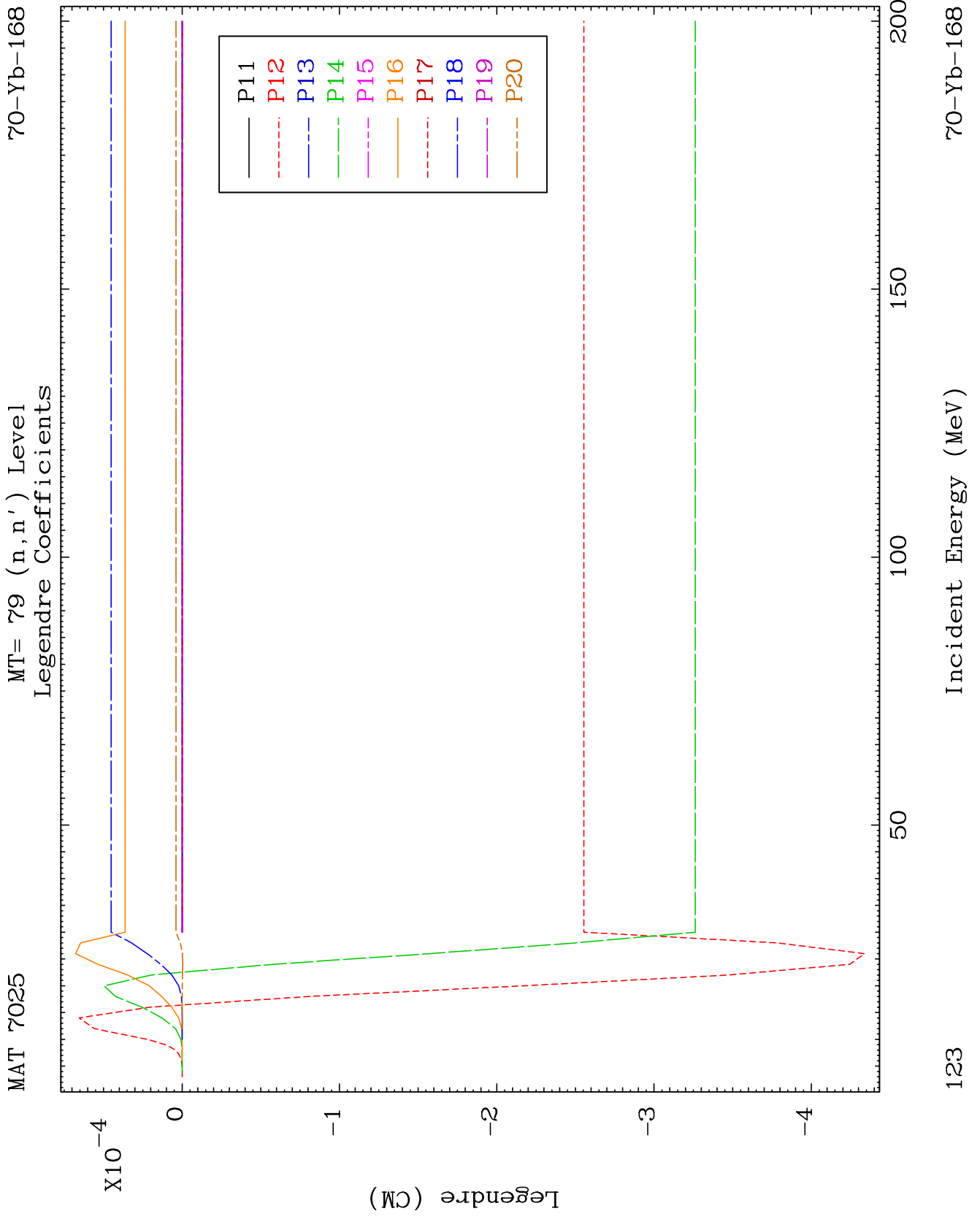
119

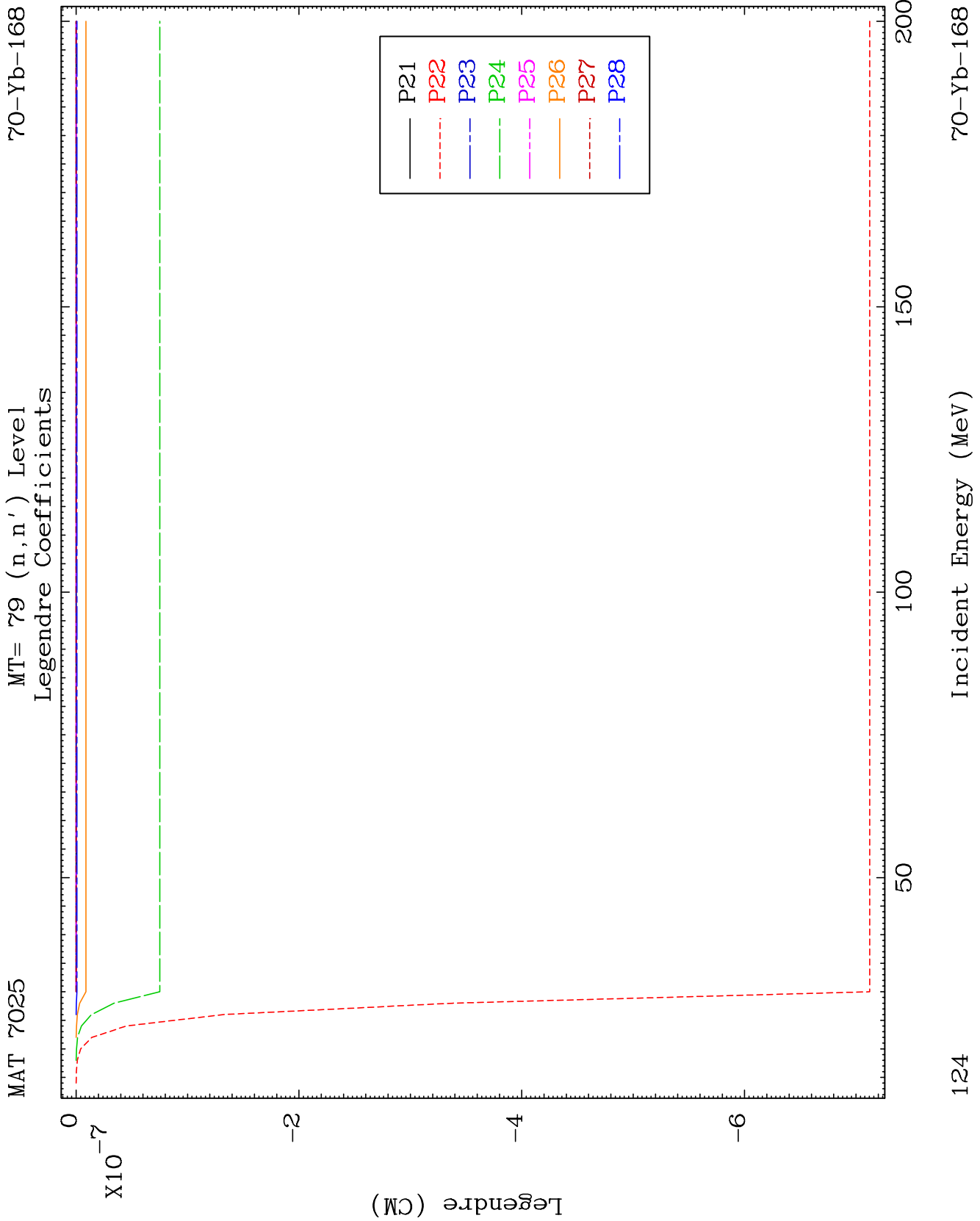
Incident Energy (MeV)

70-Yb-168





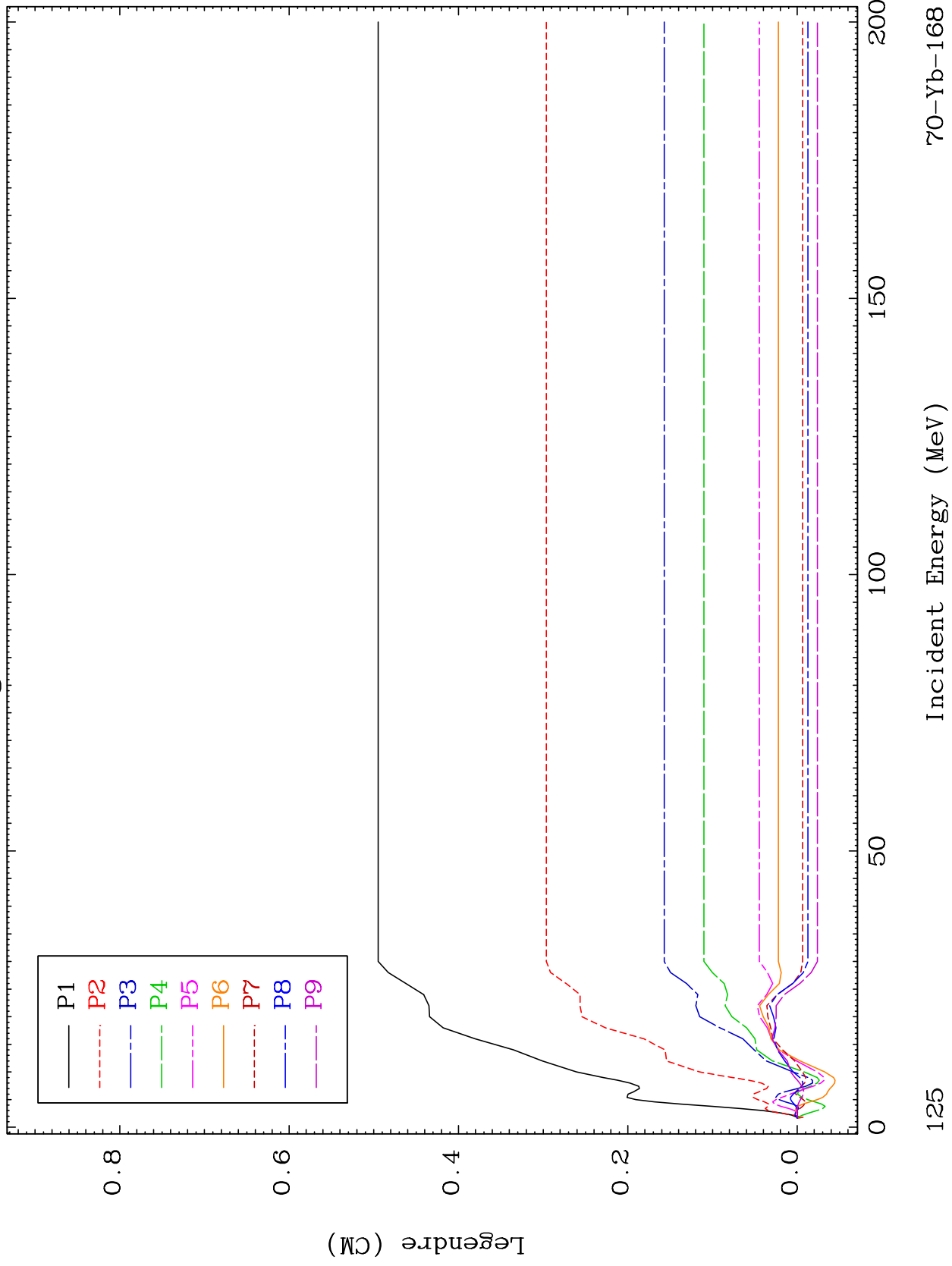


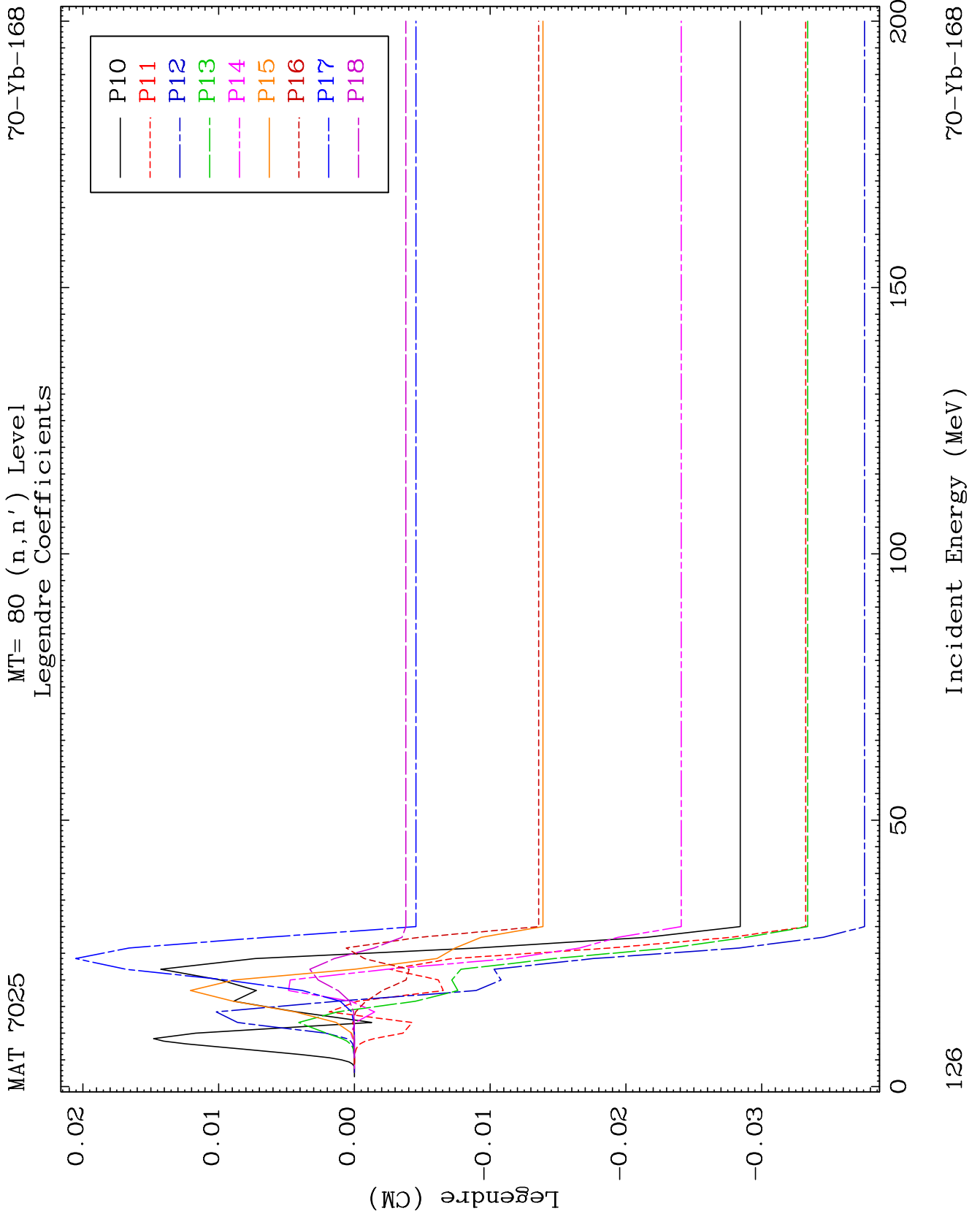


MAT 7025

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-168

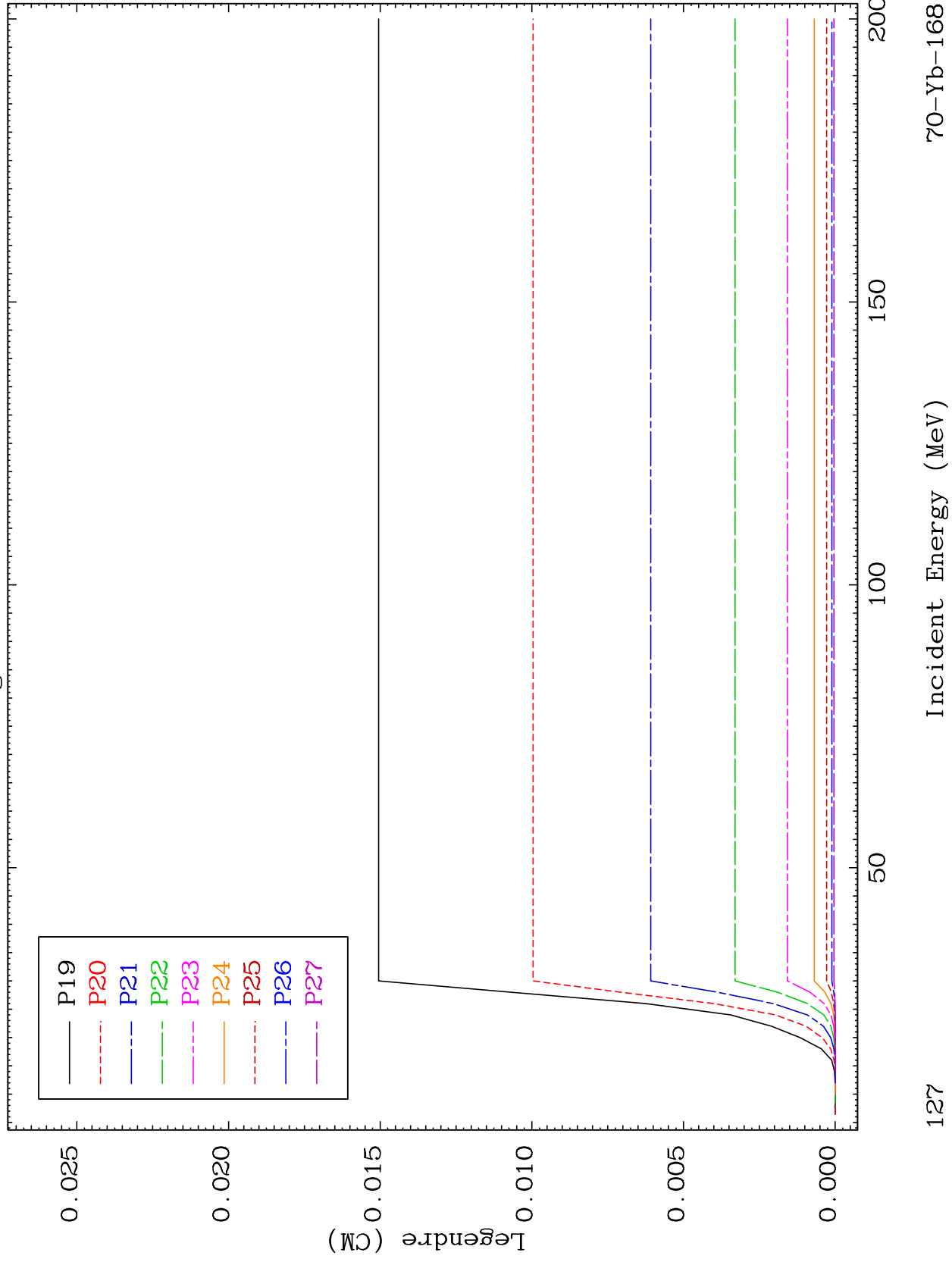




MAT 7025

MT= 80 (n,n') Level
Legendre Coefficients

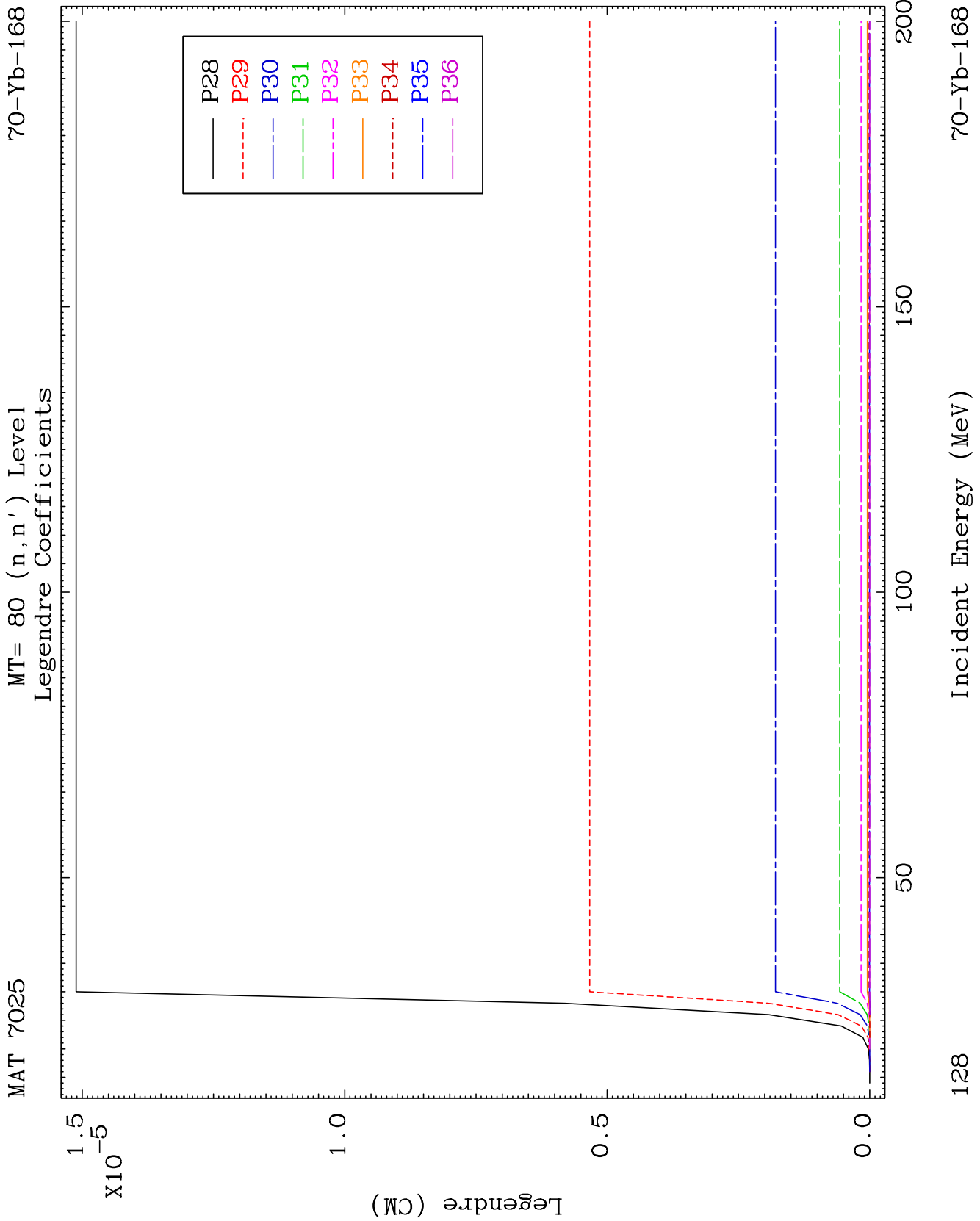
70-Yb-168



127

Incident Energy (MeV)

70-Yb-168

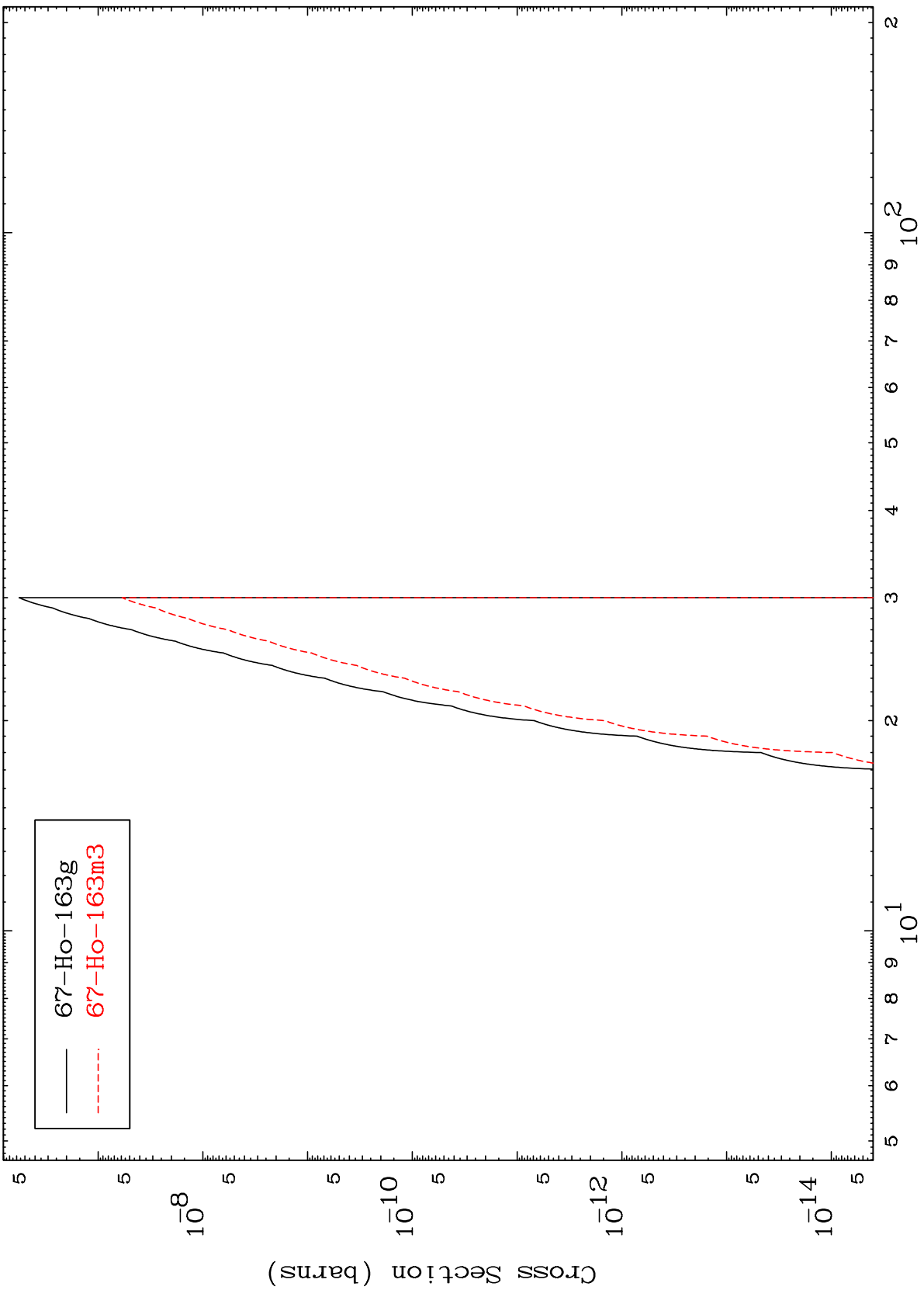


MAT 7025

(n,n') p α

70-Yb-168

Radionuclide Production Cross Section



— 67-Ho-163g
- - - 67-Ho-163m3

129

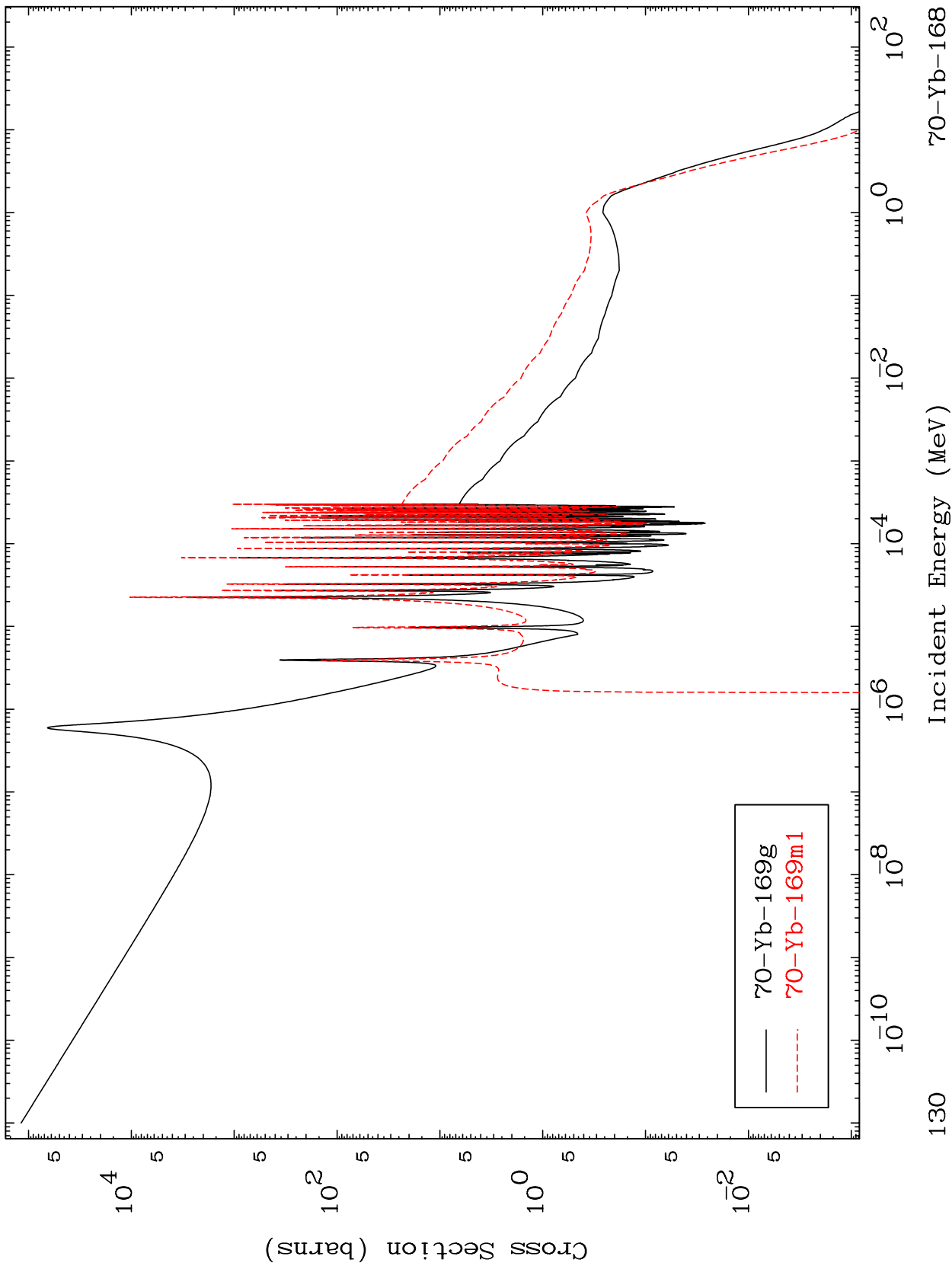
Incident Energy (MeV)

70-Yb-168

MAT 7025

70-Yb-168

(n,γ)
Radionuclide Production Cross Section



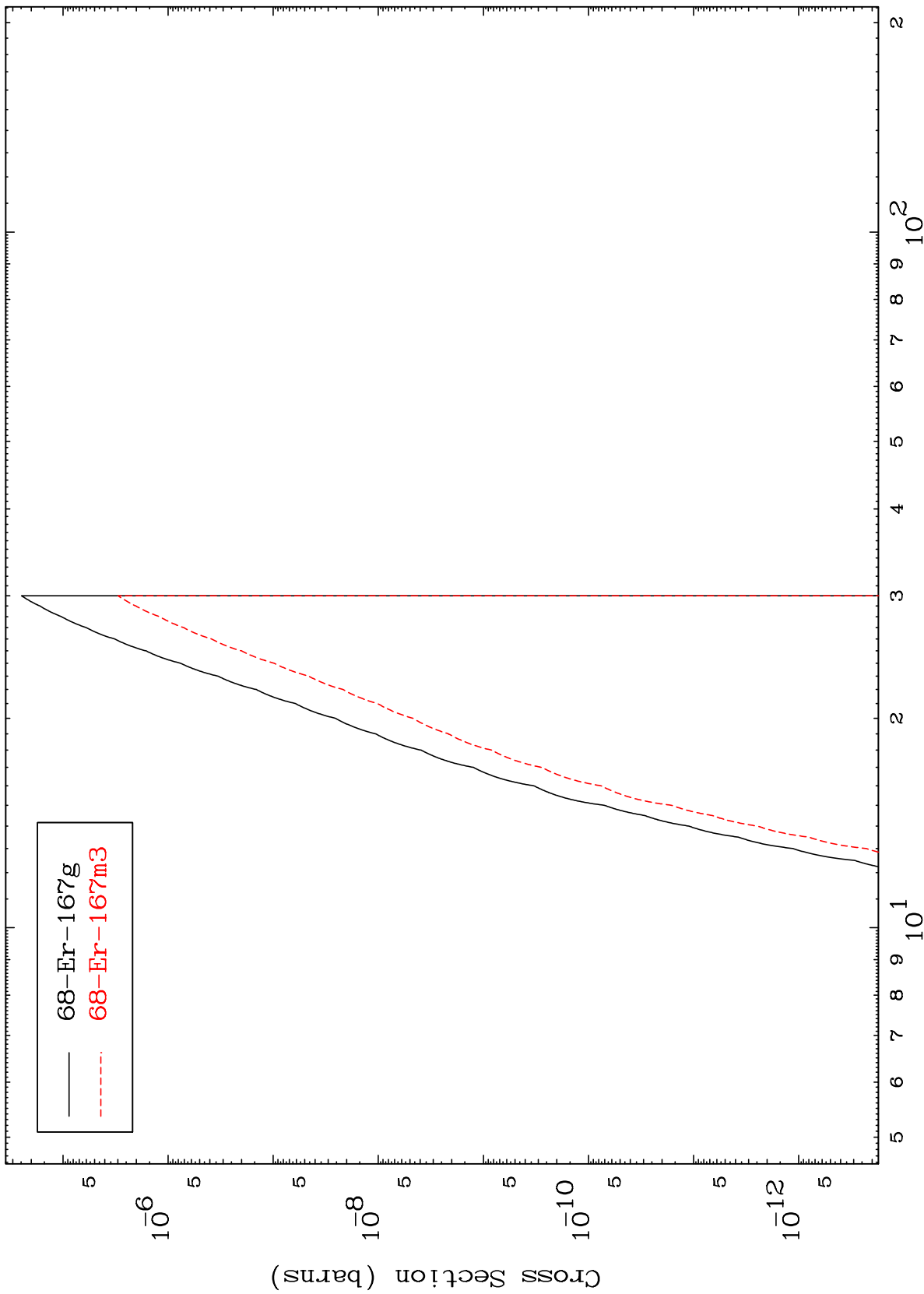
130

70-Yb-168

MAT 7025

70-Yb-168

(n,2p)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

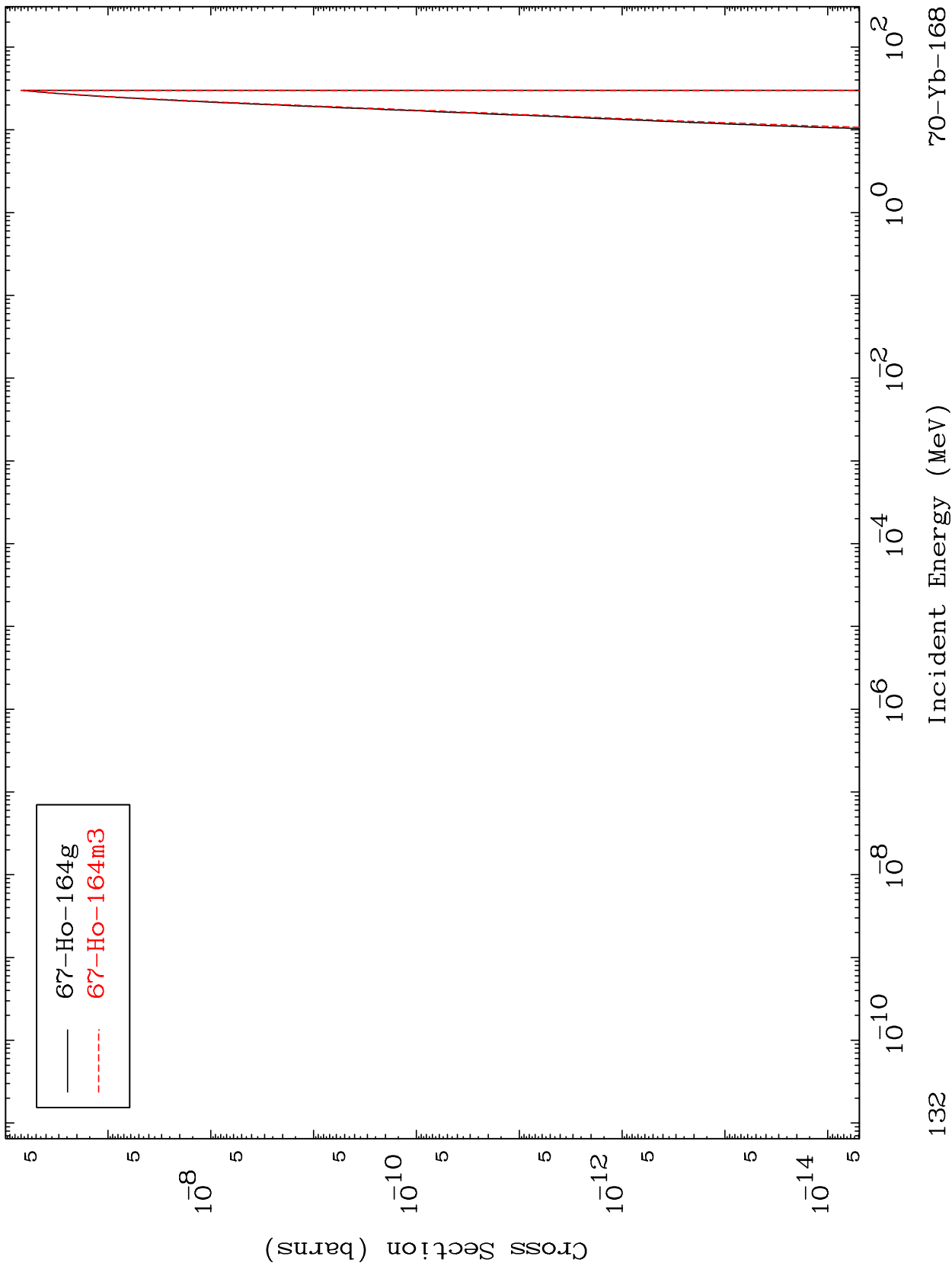
70-Yb-168

MAT 7025

(n,p) α

70-Yb-168

Radionuclide Production Cross Section

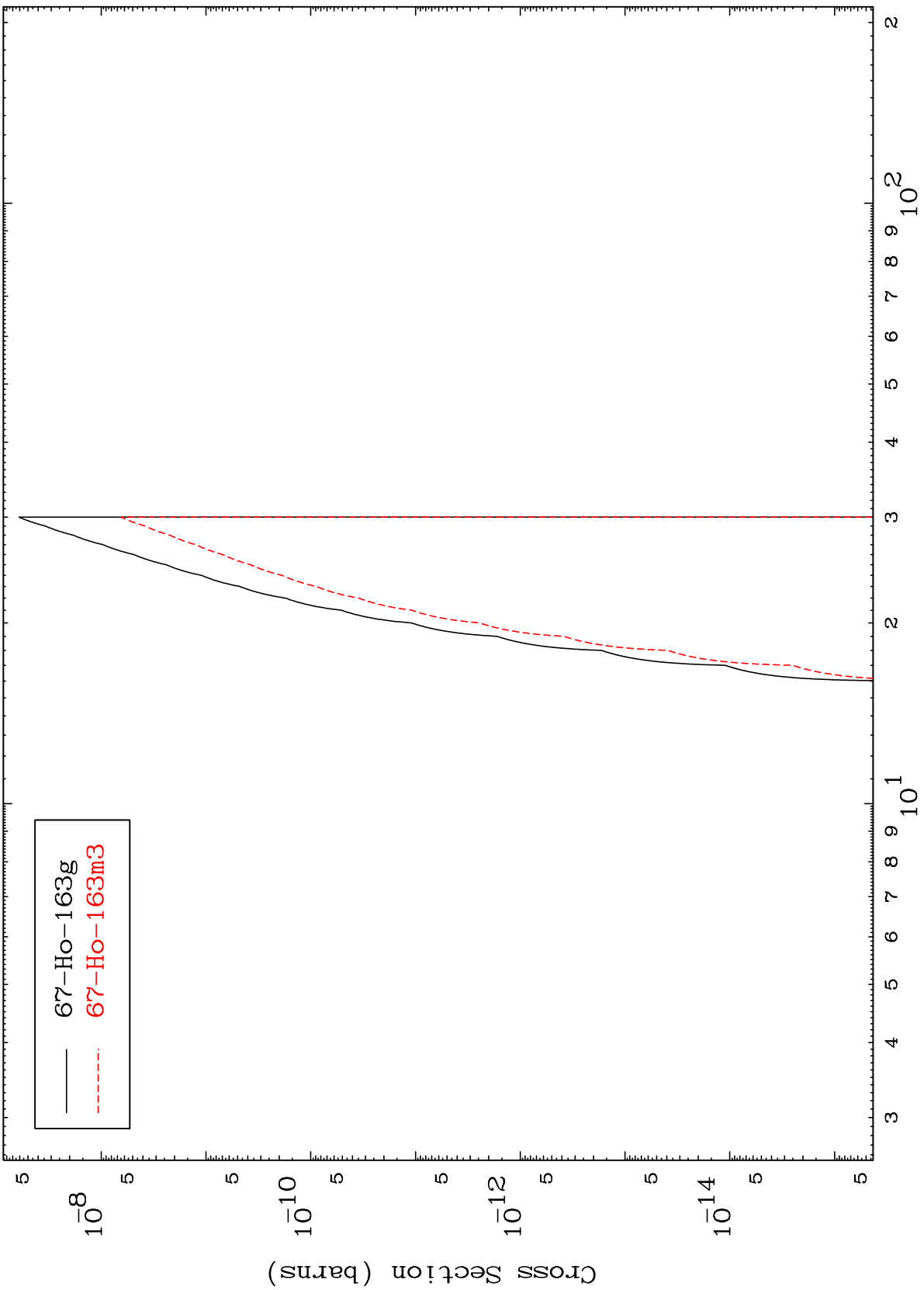


MAT 7025

(n,d) α

70-Yb-168

Radionuclide Production Cross Section



133

Incident Energy (MeV)

70-Yb-168