

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

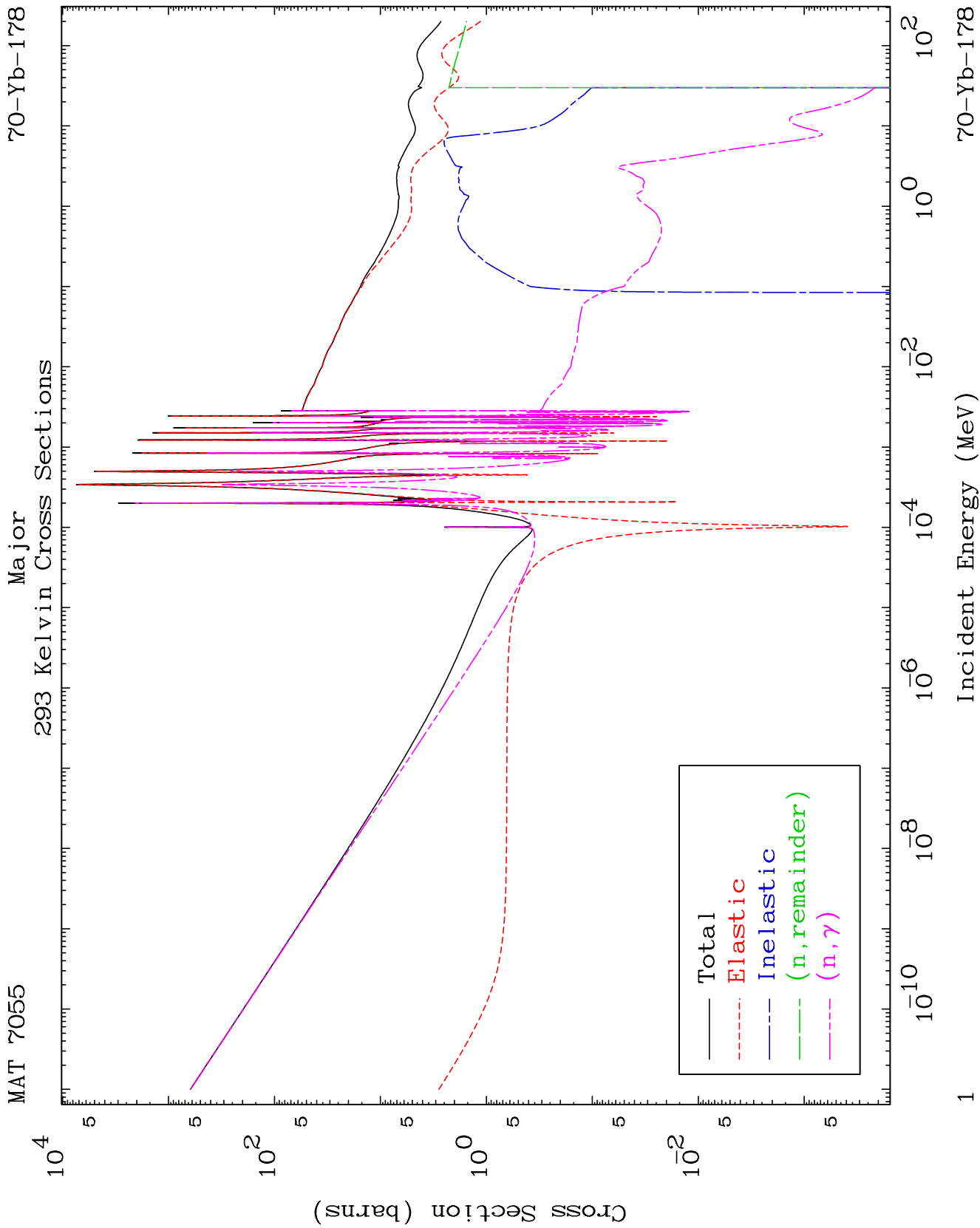
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Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

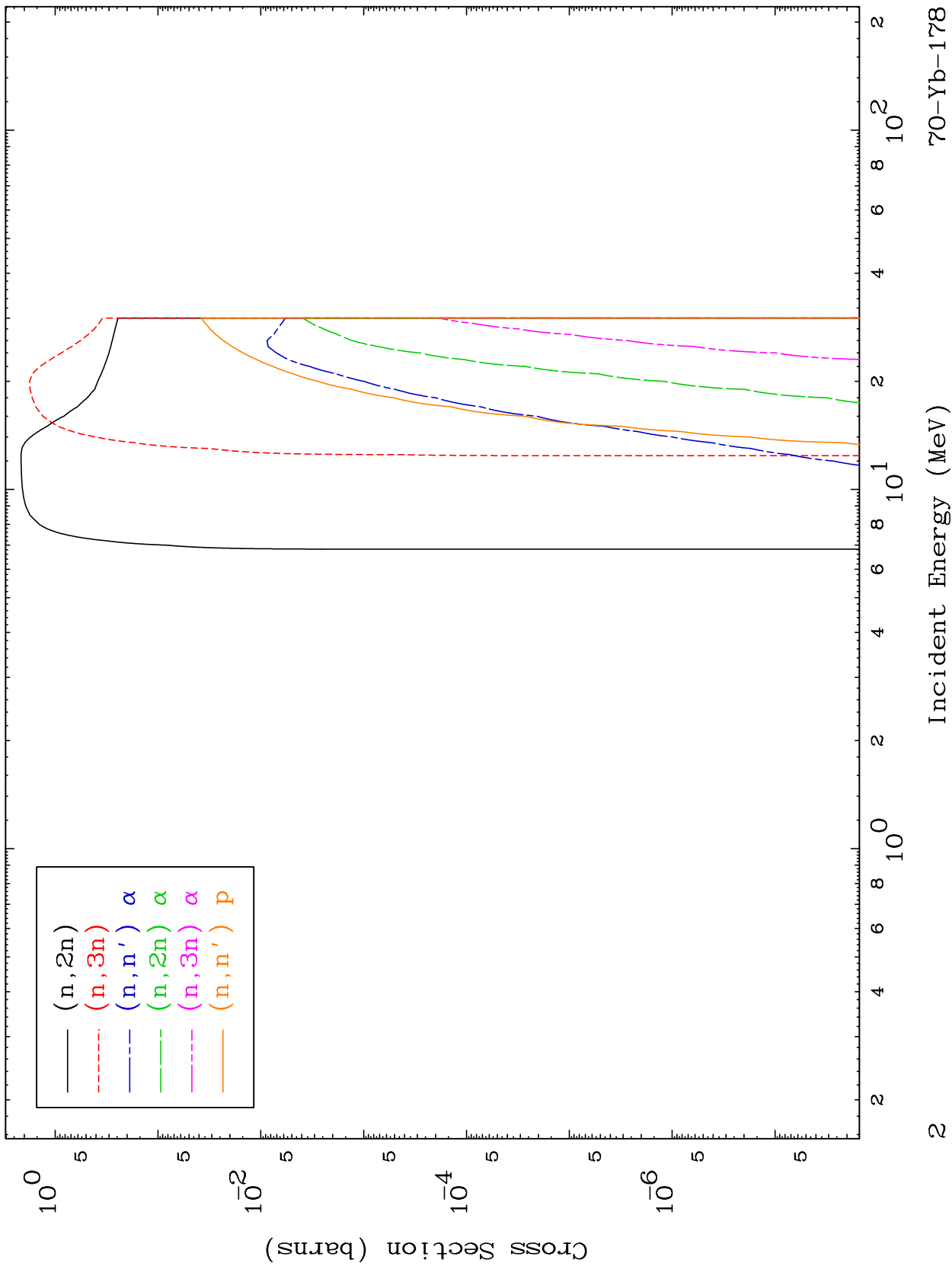
Press Mouse Button to Start



MAT 7055

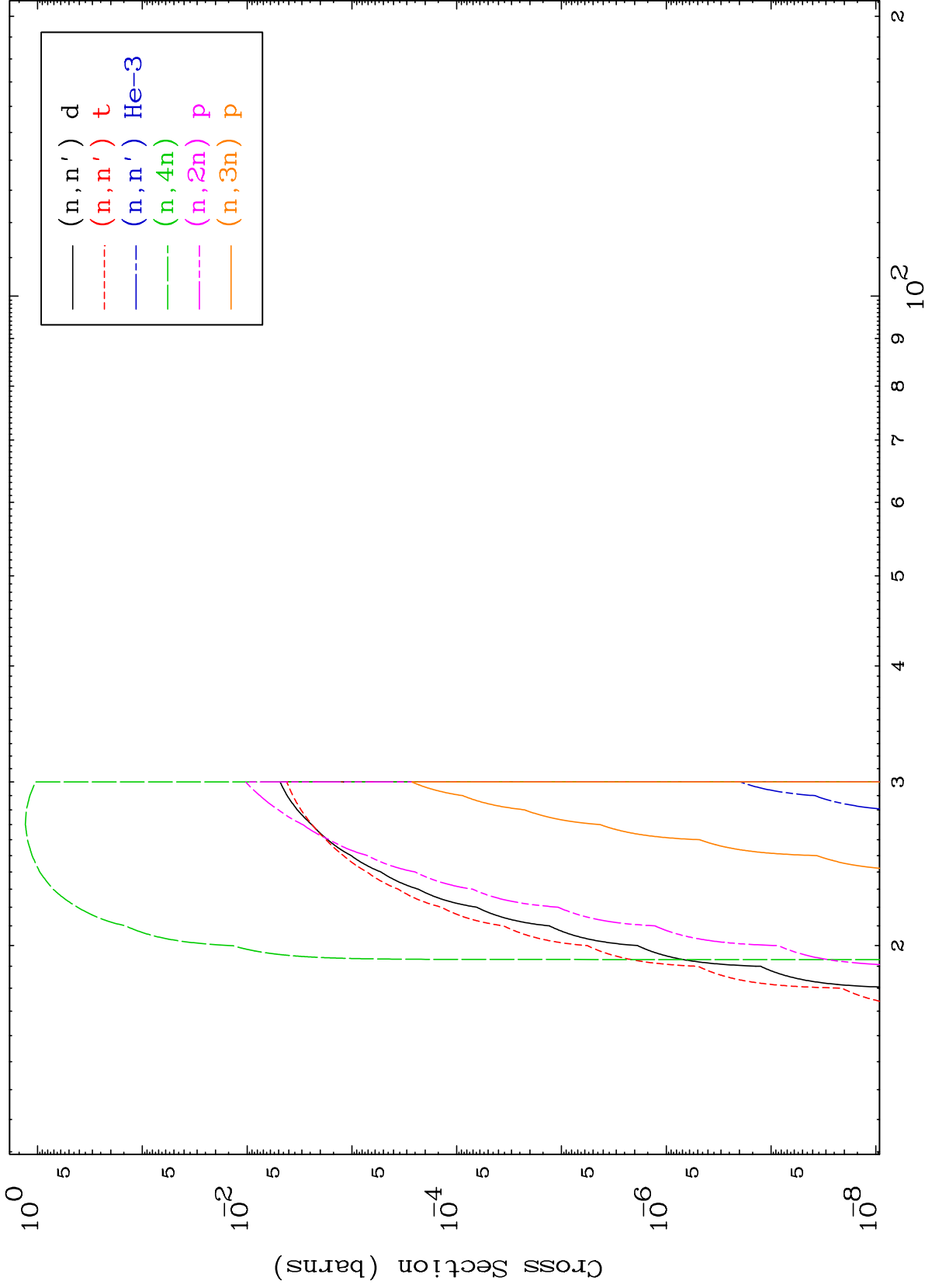
Neutron Production  
293 Kelvin Cross Sections

70-Yb-178



70-Yb-178

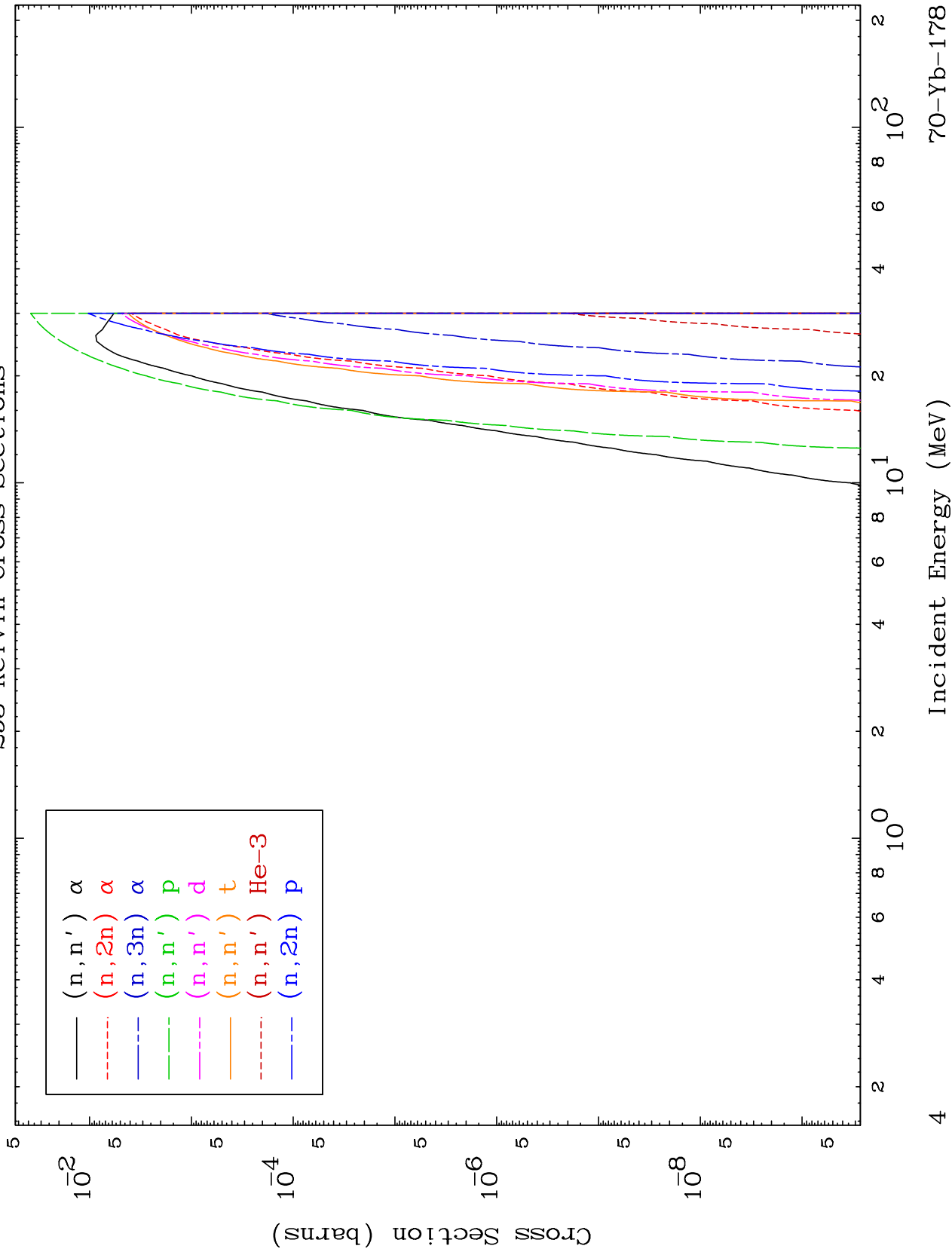
Incident Energy (MeV)



MAT 7055

Charged Particle  
293 Kelvin Cross Sections

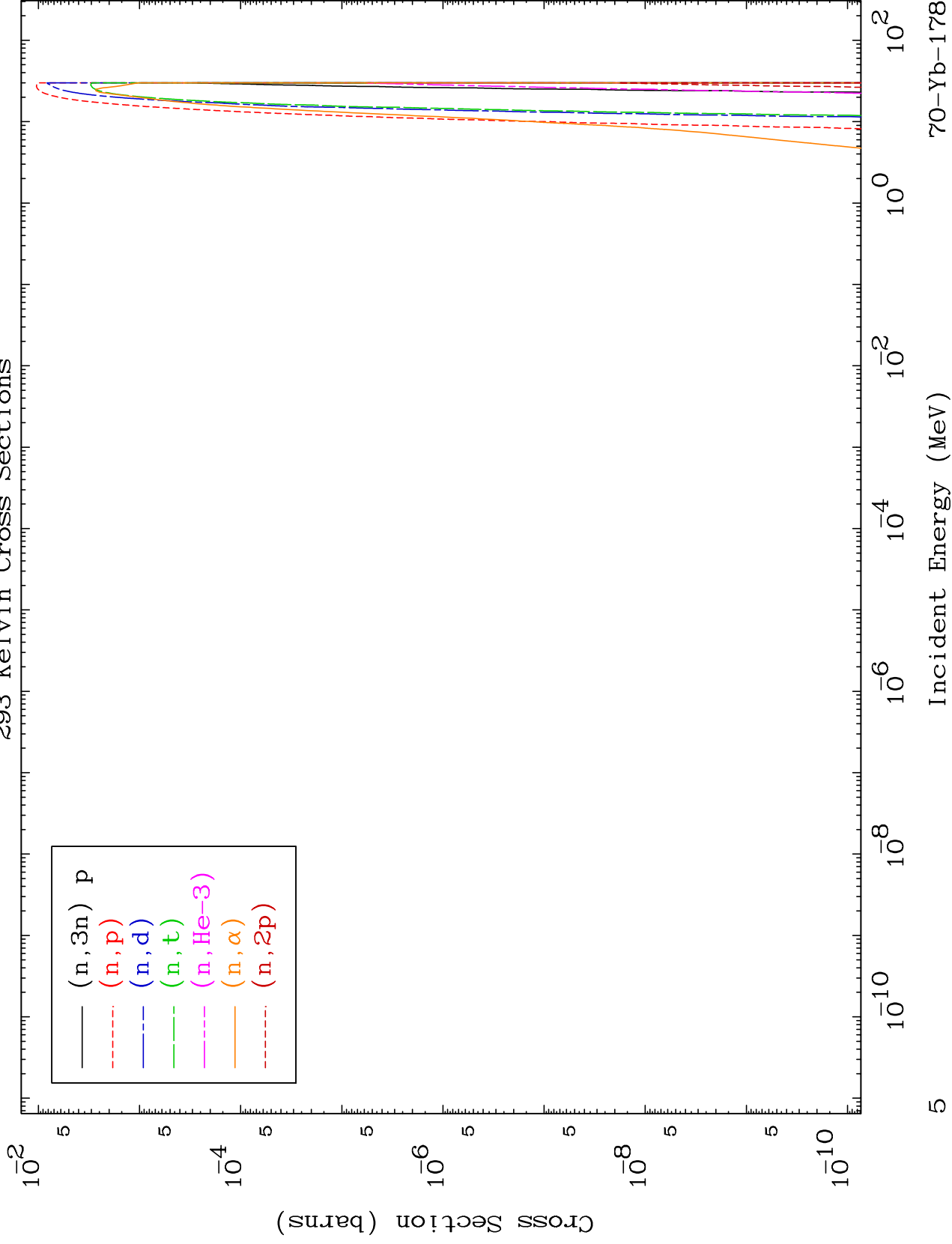
70-Yb-178



MAT 7055

Charged Particle  
293 Kelvin Cross Sections

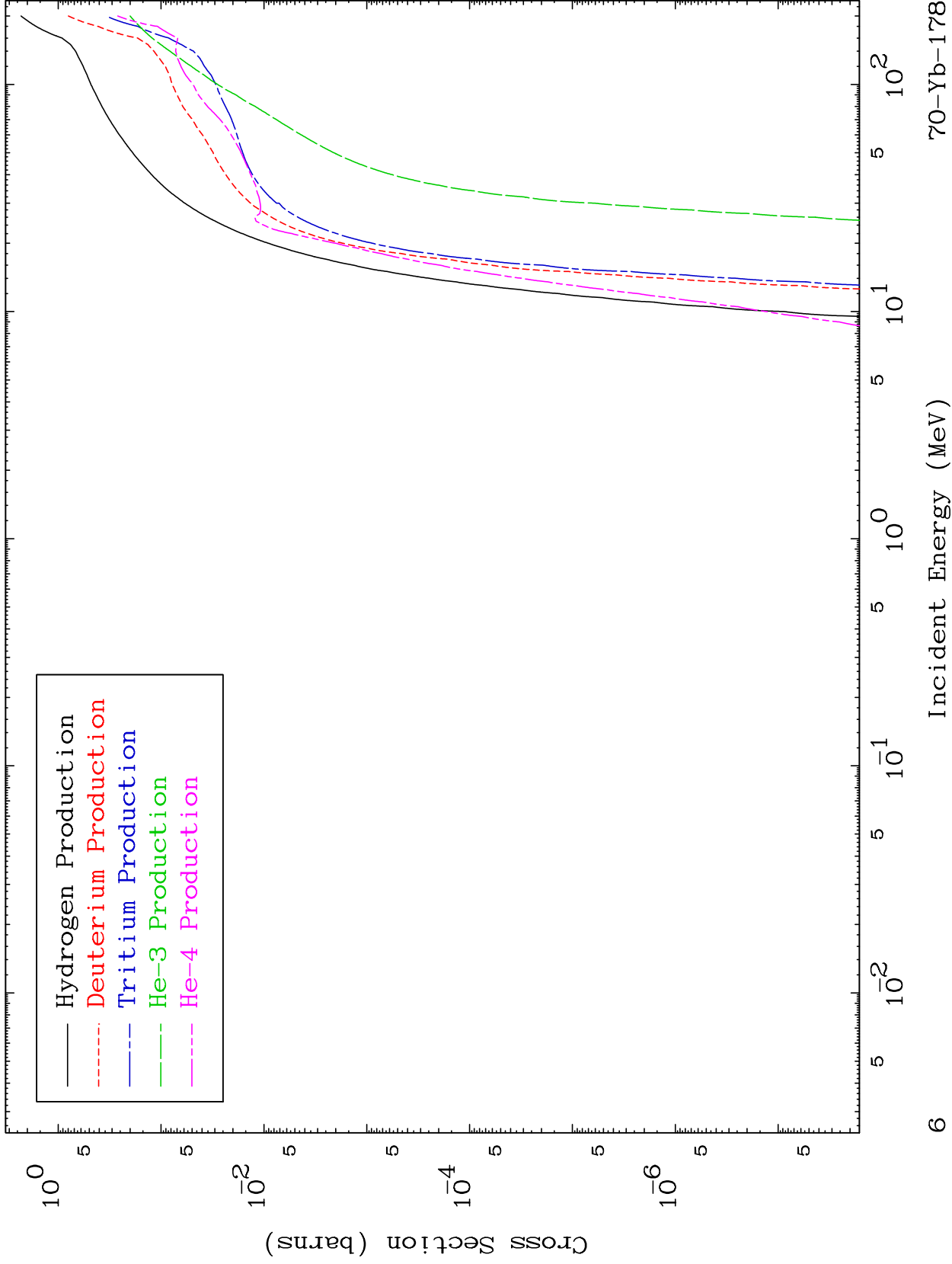
70-Yb-178



MAT 7055

Particle Production  
293 Kelvin Cross Sections

70-Yb-178

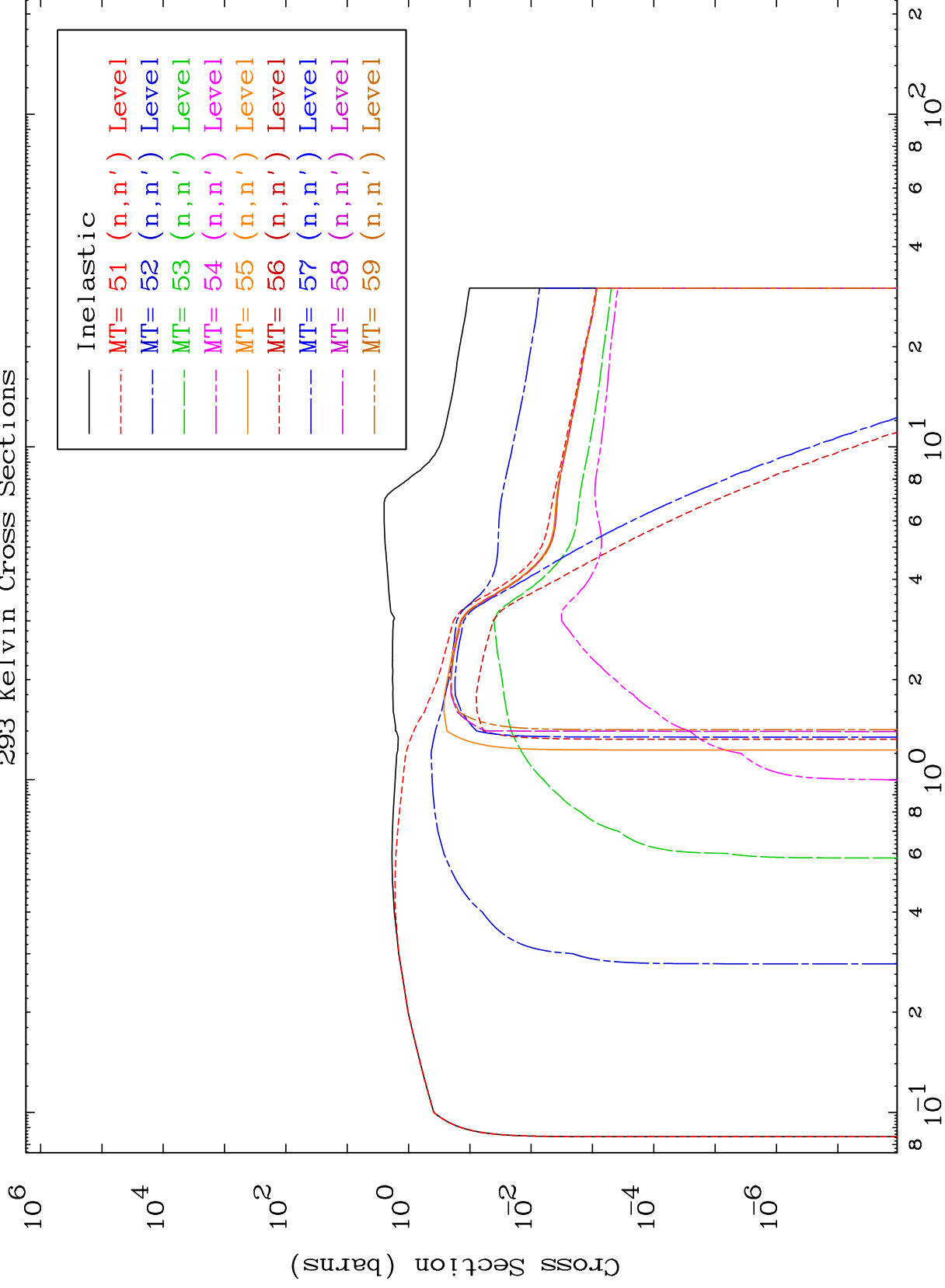


MAT 7055

(n,n') Level

70-Yb-178

293 Kelvin Cross Sections



Incident Energy (MeV)

70-Yb-178

7

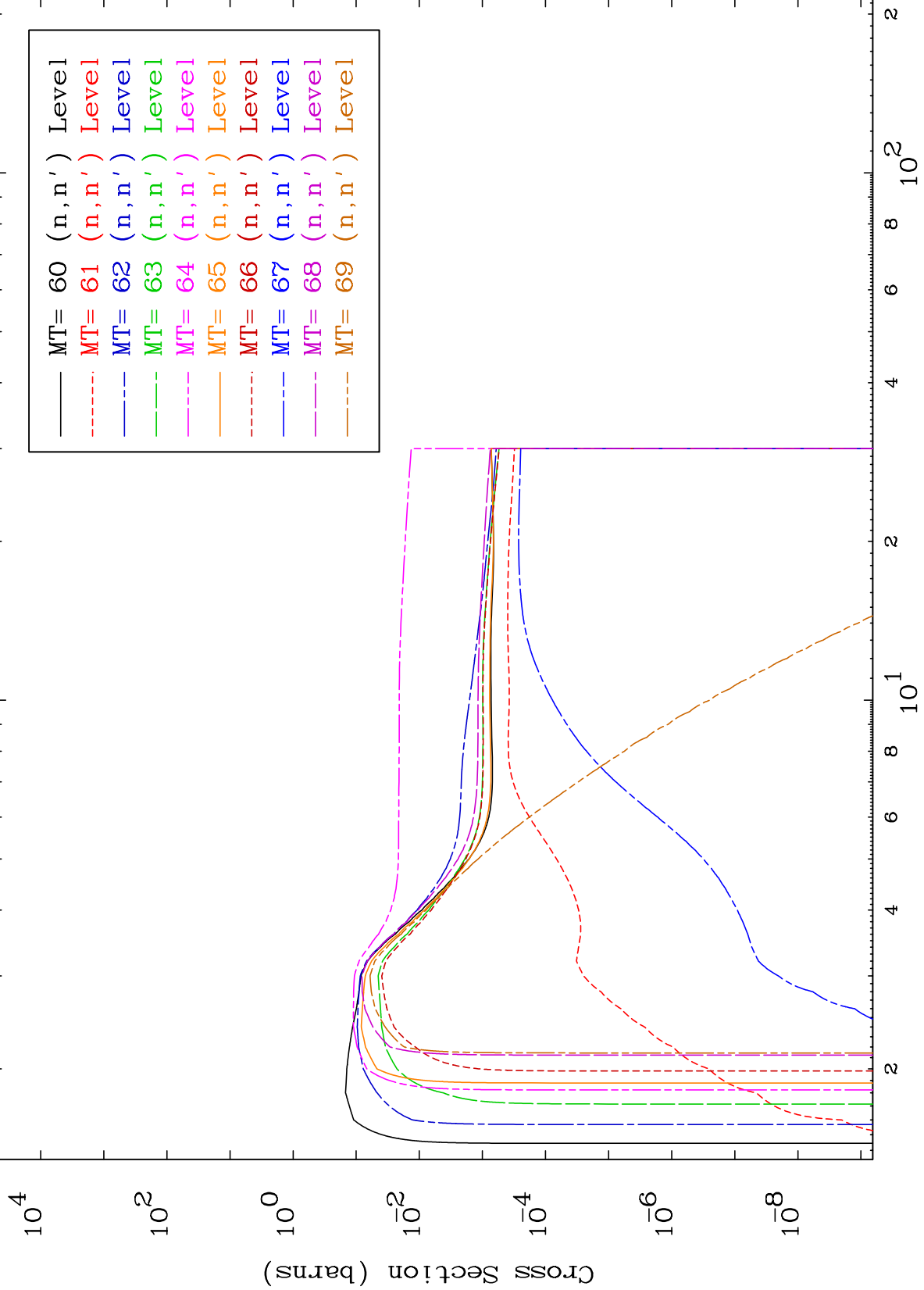


MAT 7055

(n,n') Level

293 Kelvin Cross Sections

70-Yb-178



8

Incident Energy (MeV)

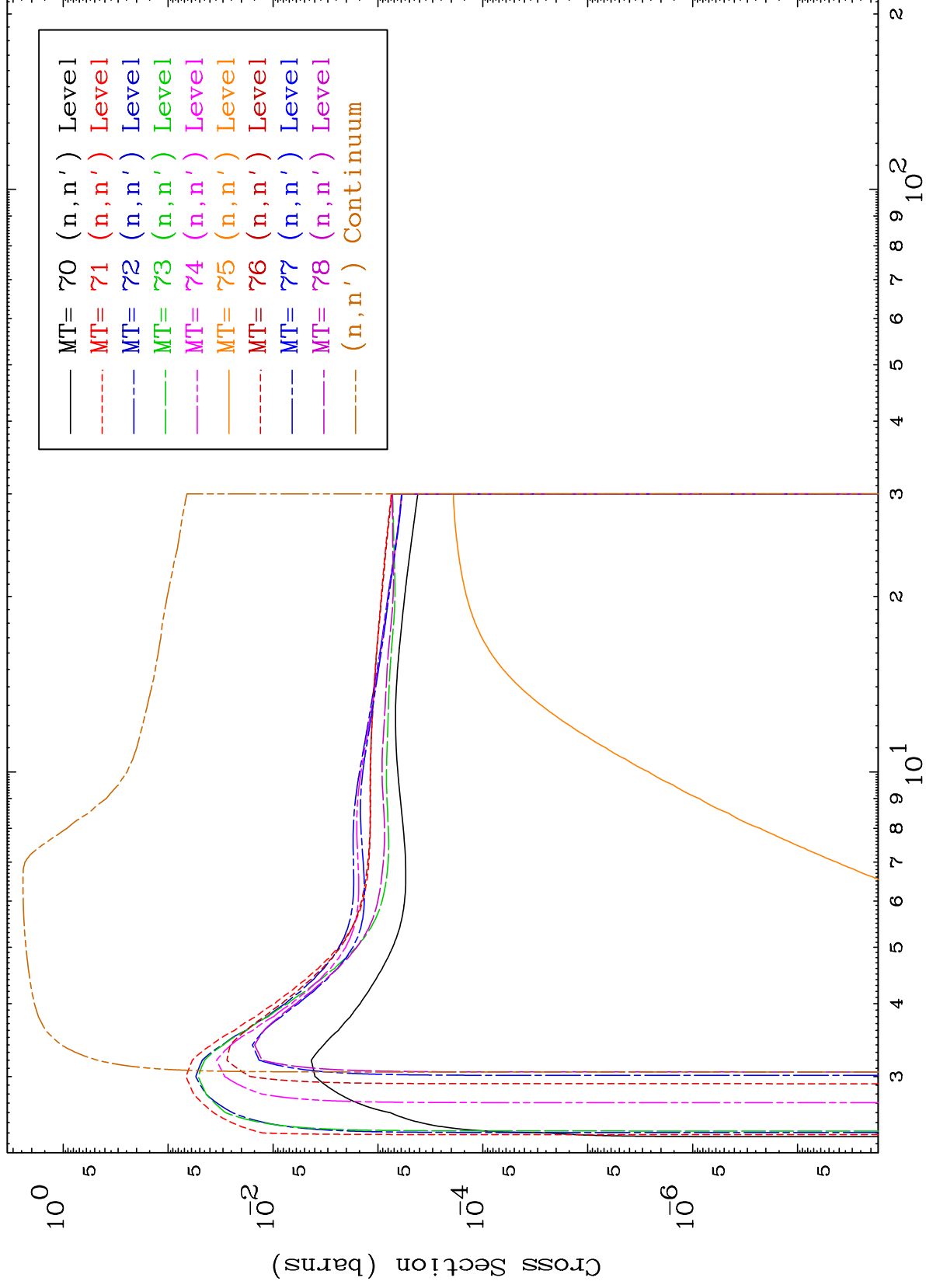
70-Yb-178

MAT 7055

(n,n') Level

70-Yb-178

293 Kelvin Cross Sections



9

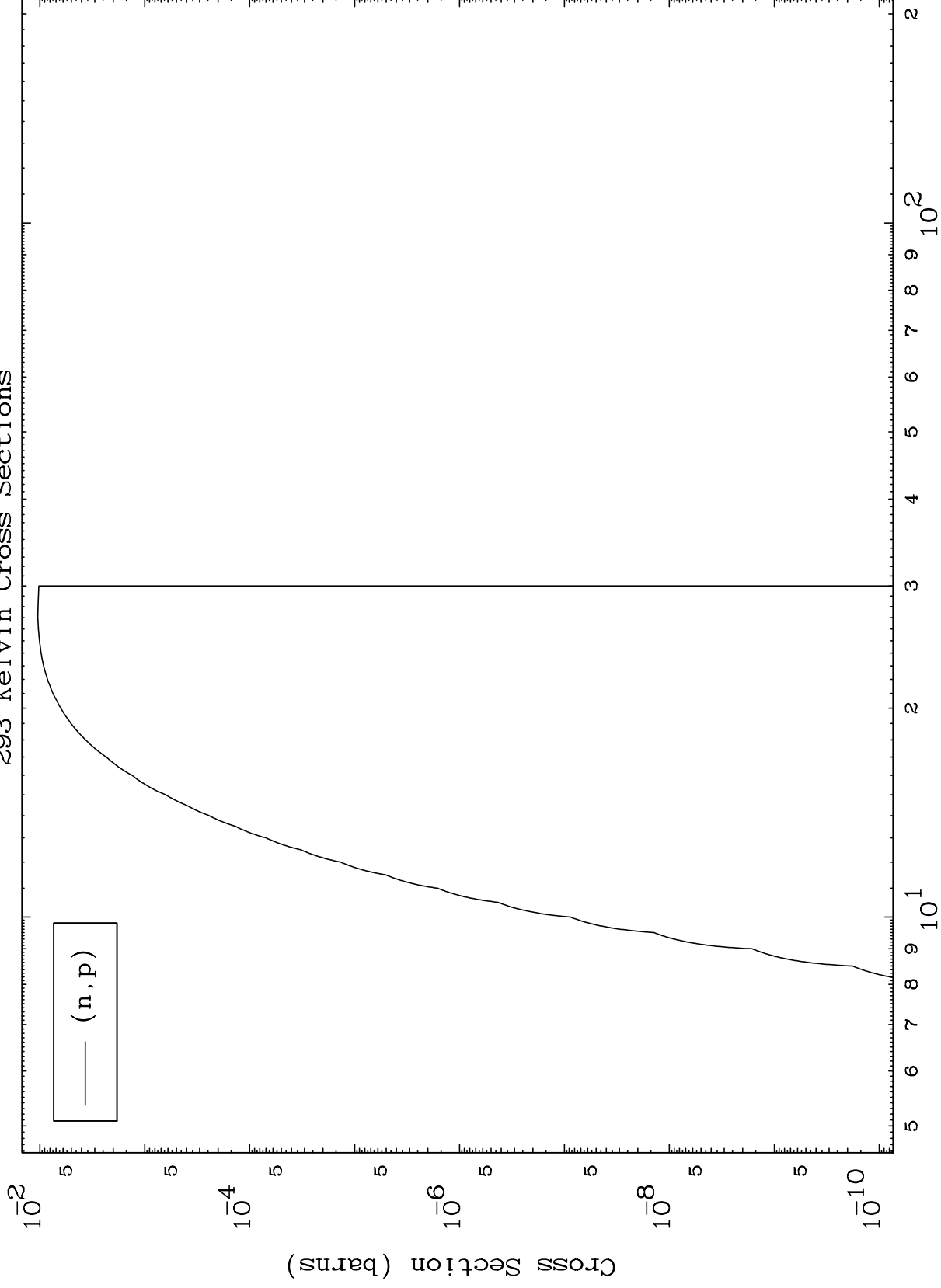
Incident Energy (MeV)

70-Yb-178

MAT 7055

(n,p) Levels  
293 Kelvin Cross Sections

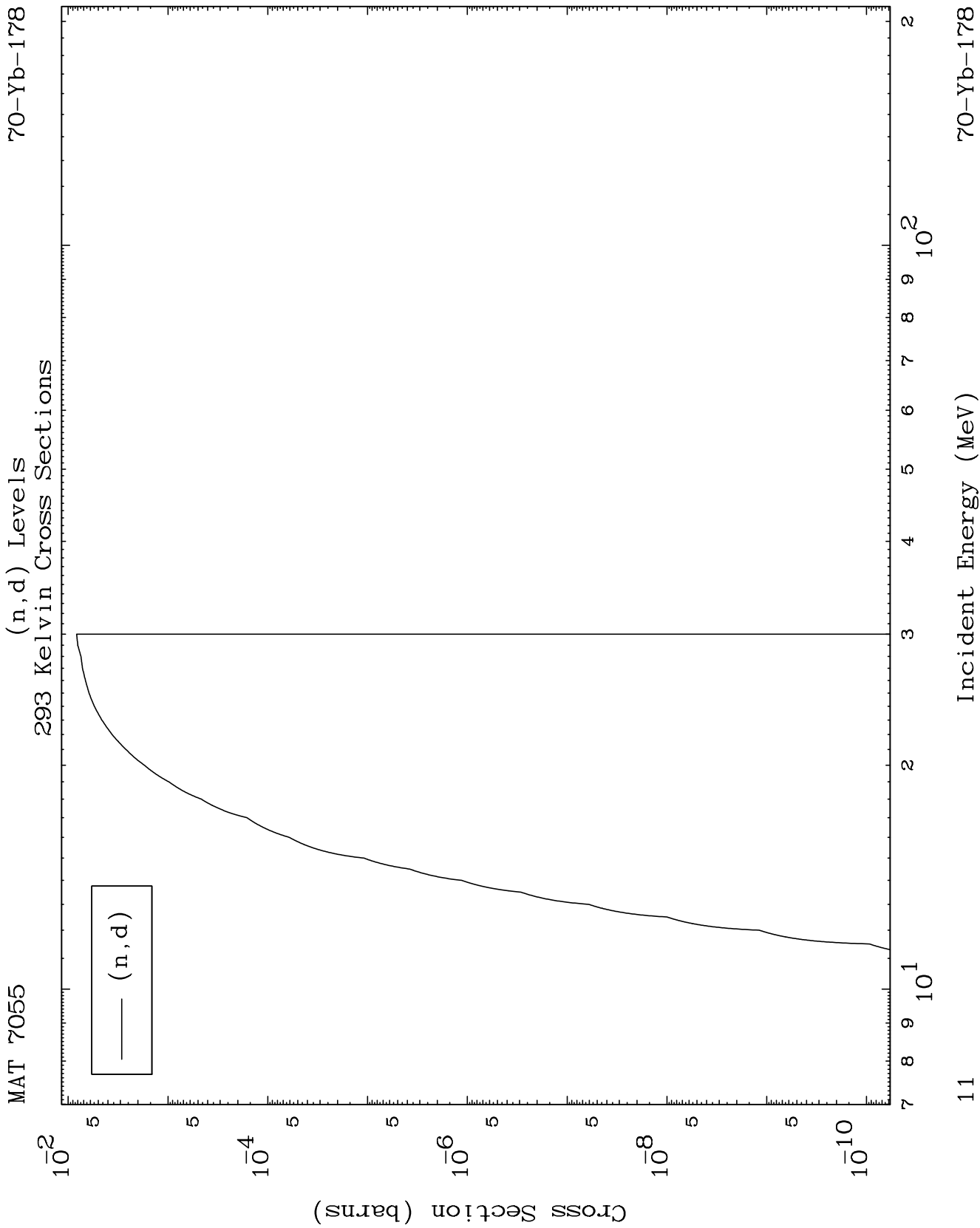
70-Yb-178



10

Incident Energy (MeV)

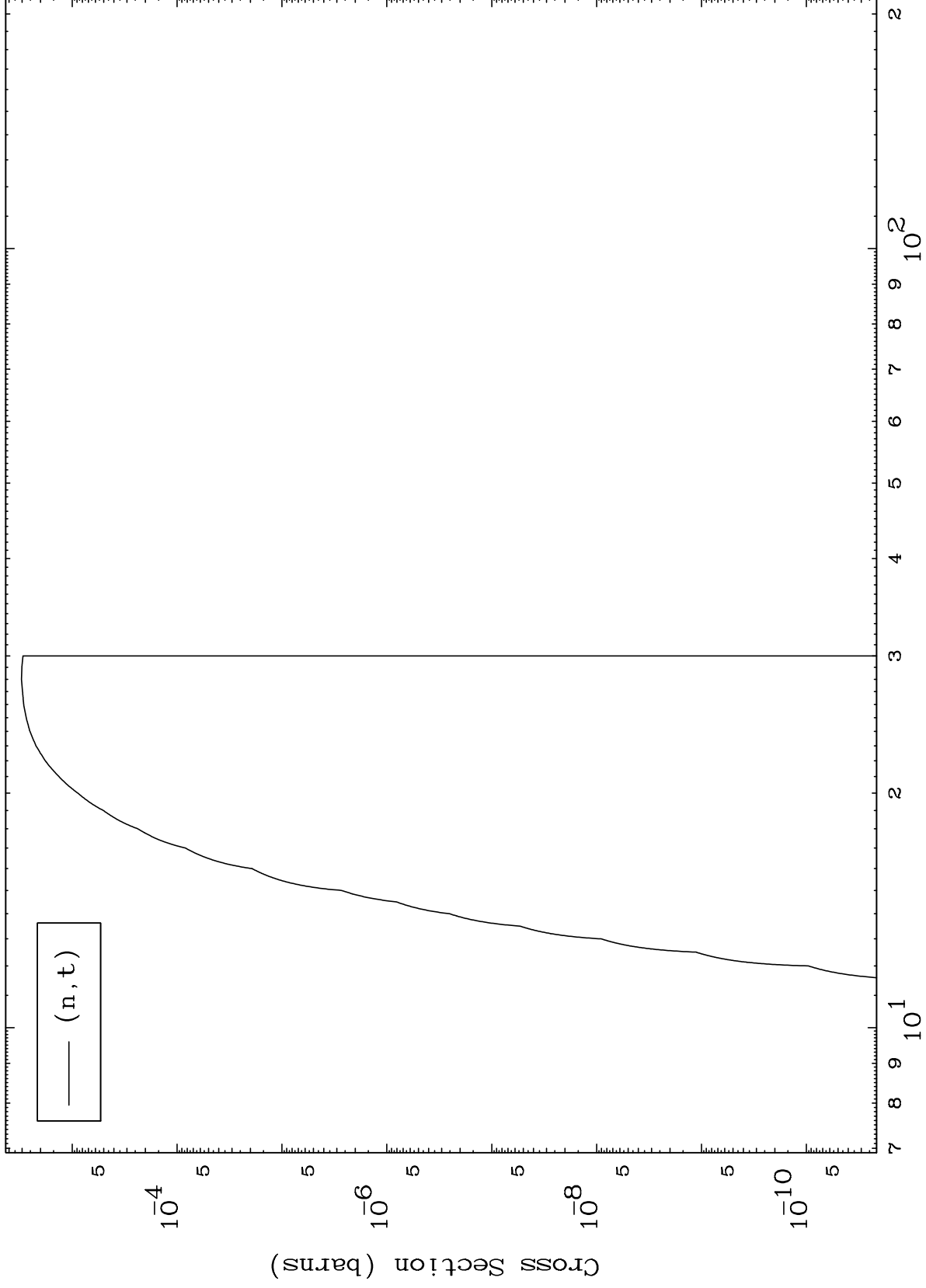
70-Yb-178



MAT 7055

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-178



12

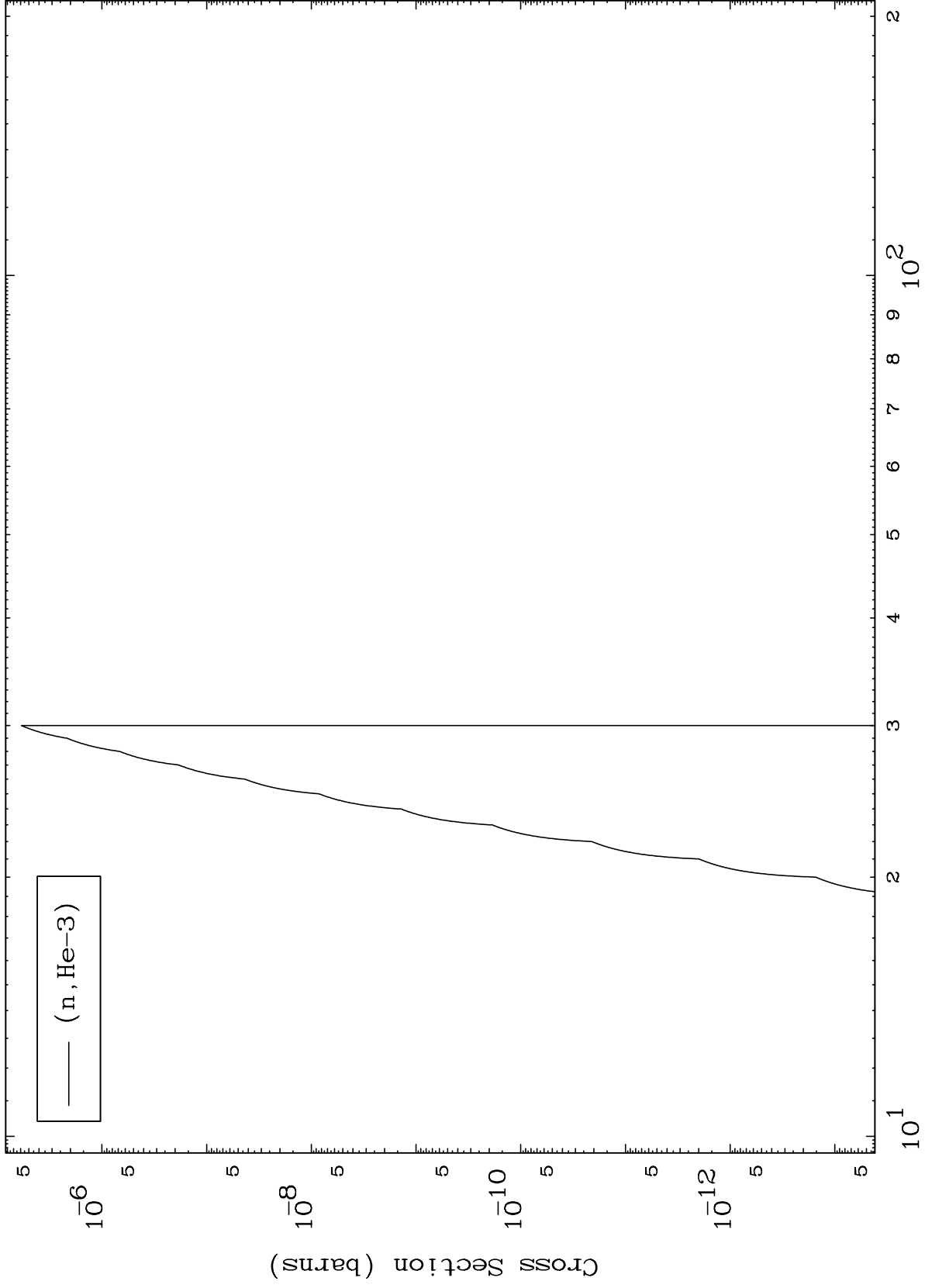
Incident Energy (MeV)

70-Yb-178

MAT 7055

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-178



13

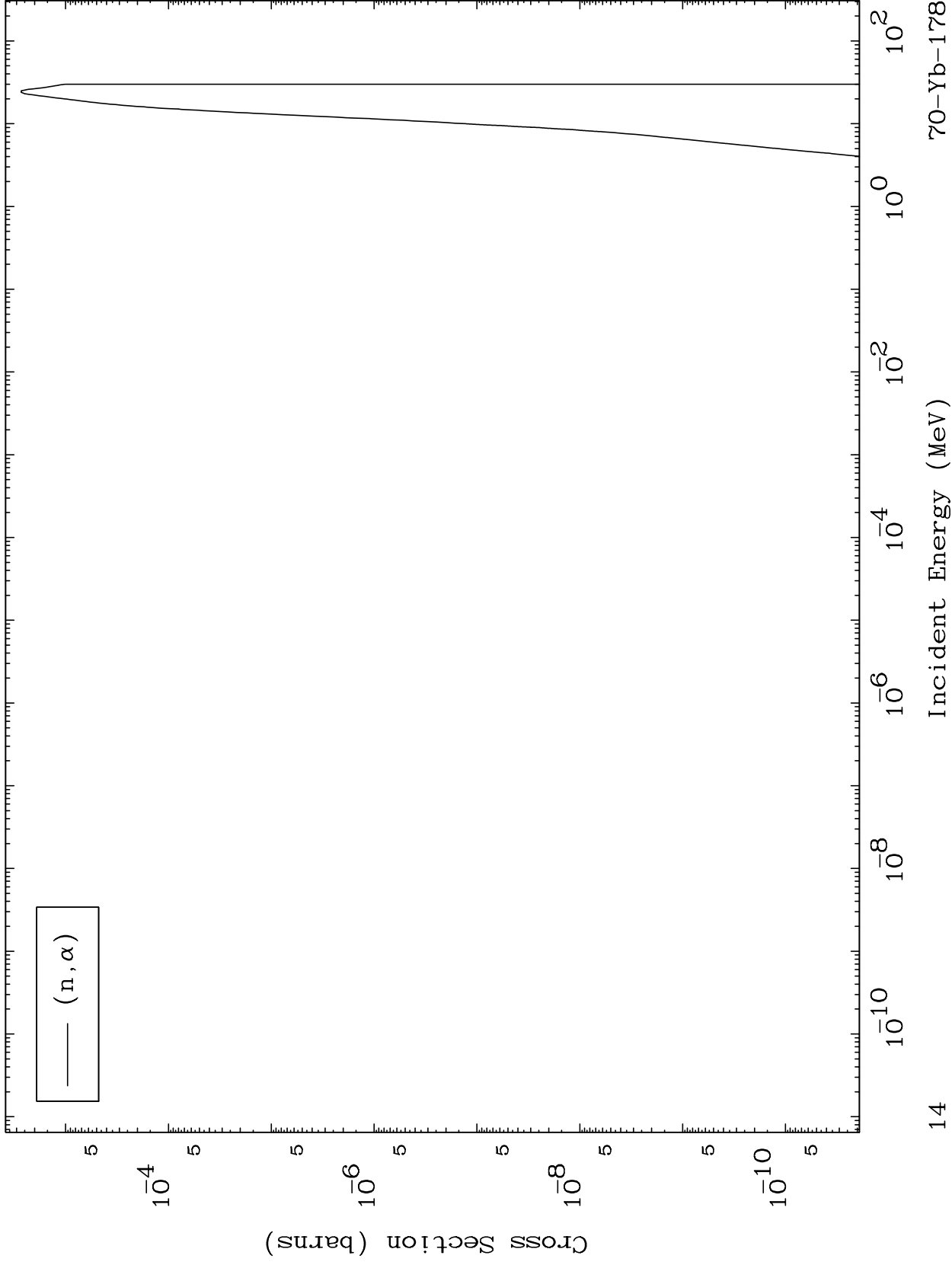
Incident Energy (MeV)

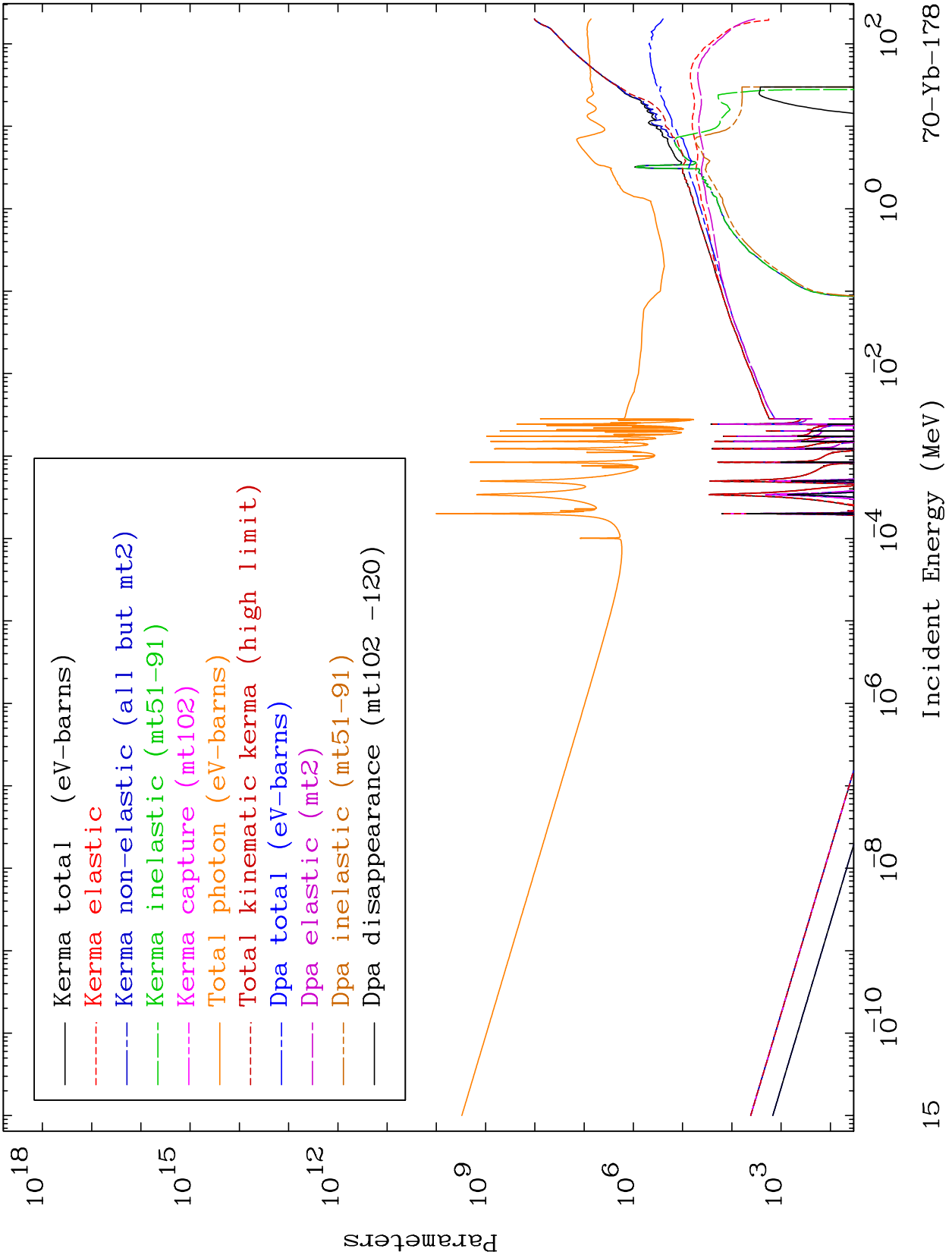
70-Yb-178

MAT 7055

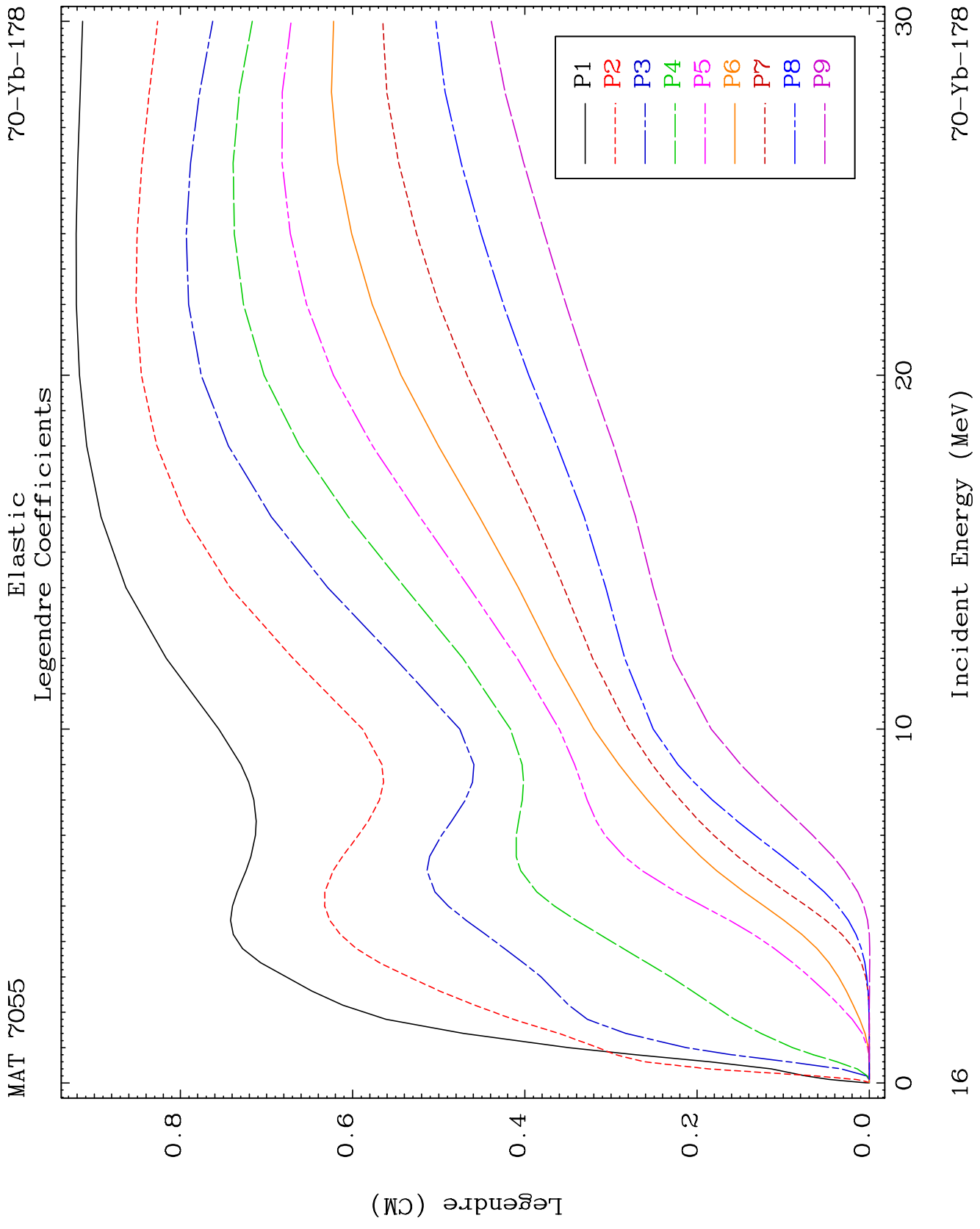
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

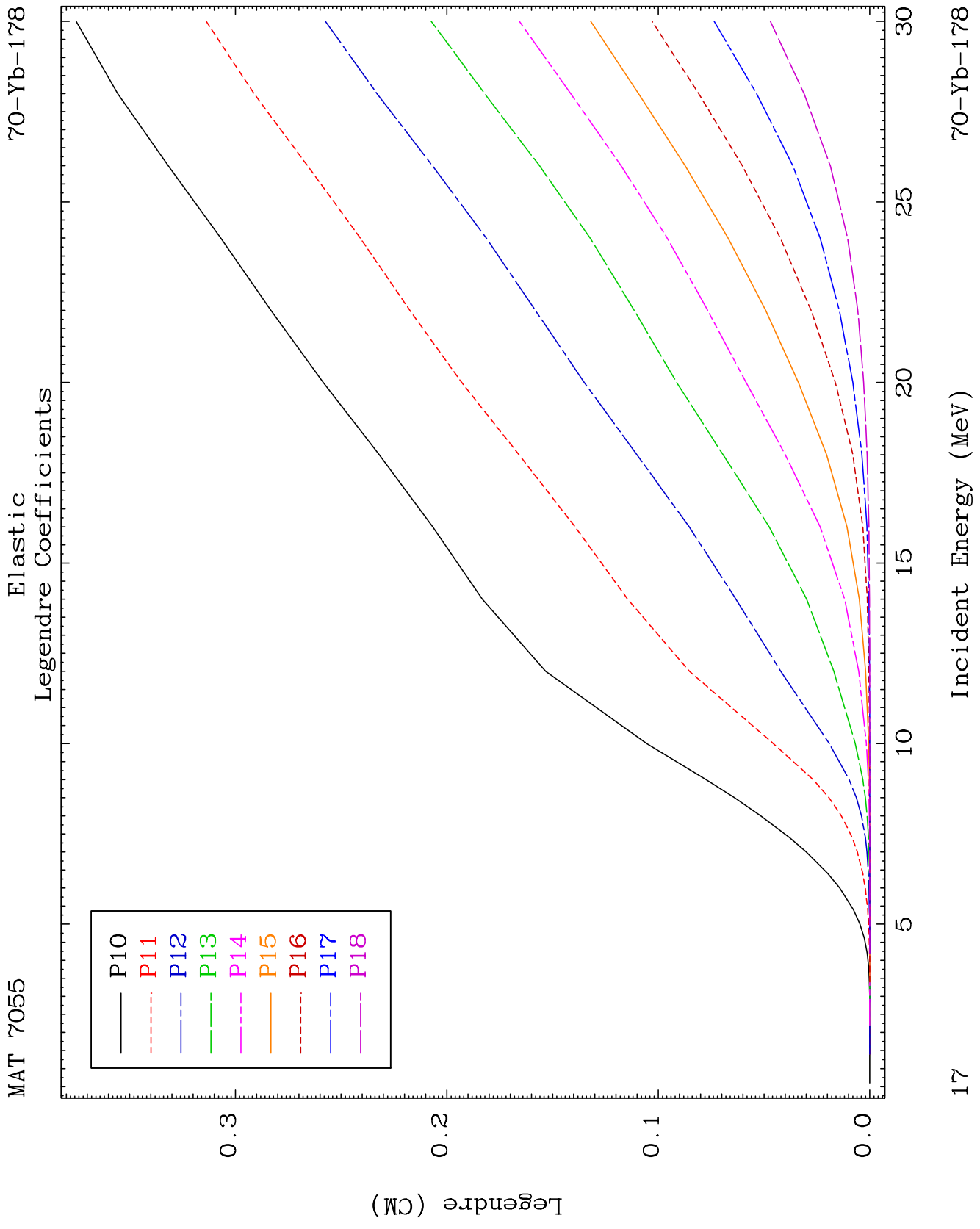
70-Yb-178









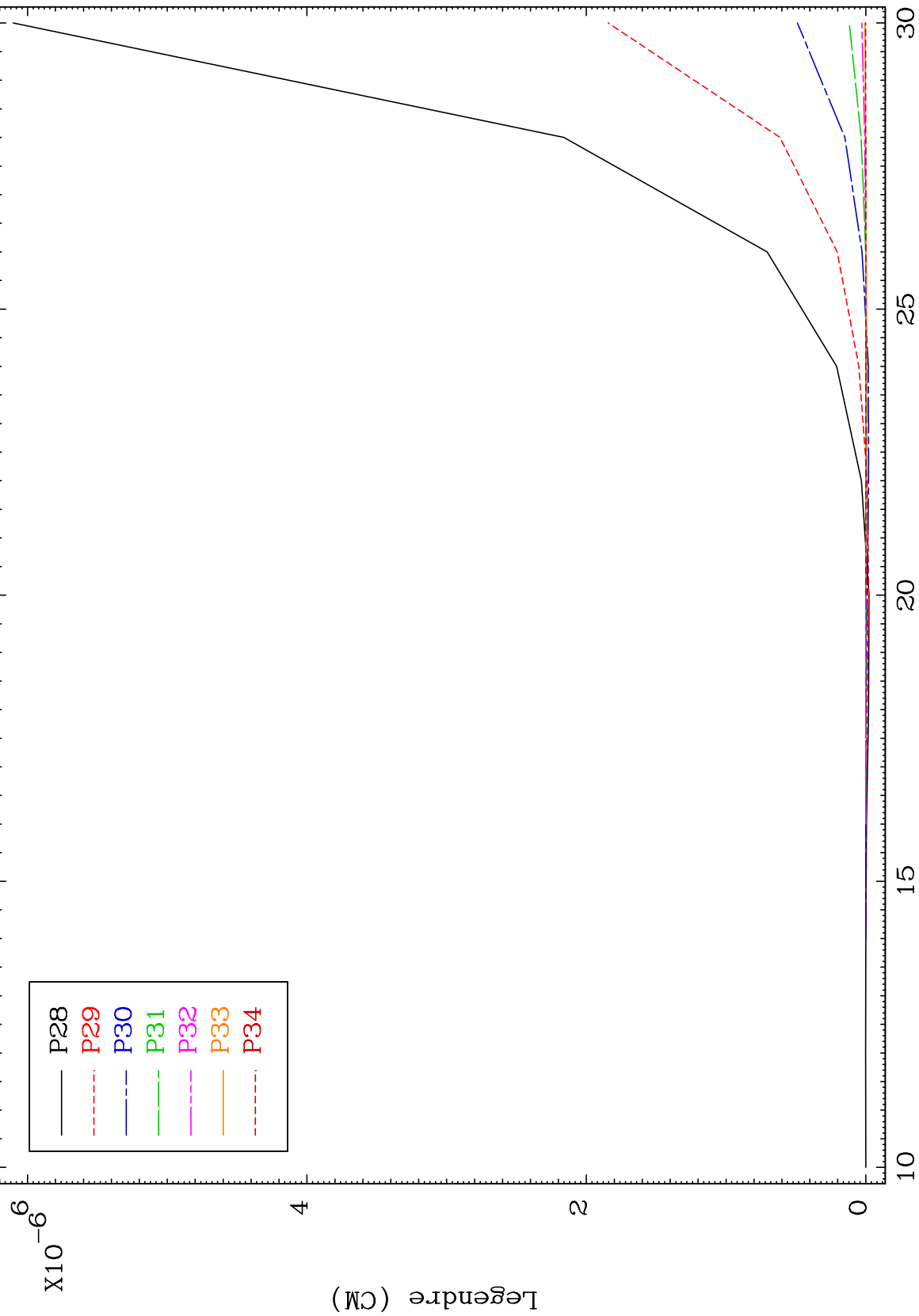




MAT 7055

Elastic  
Legendre Coefficients

70-Yb-178



19

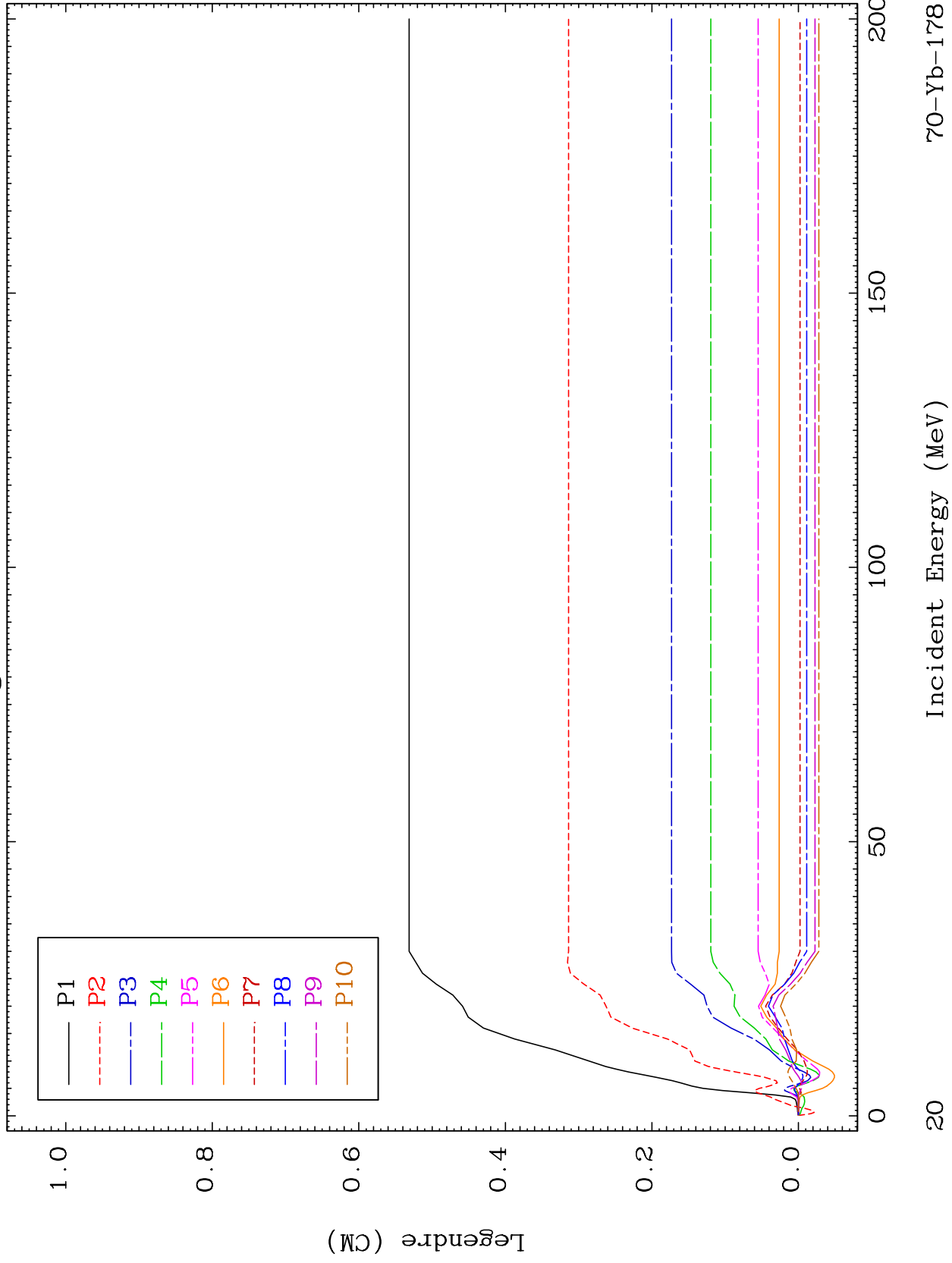
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

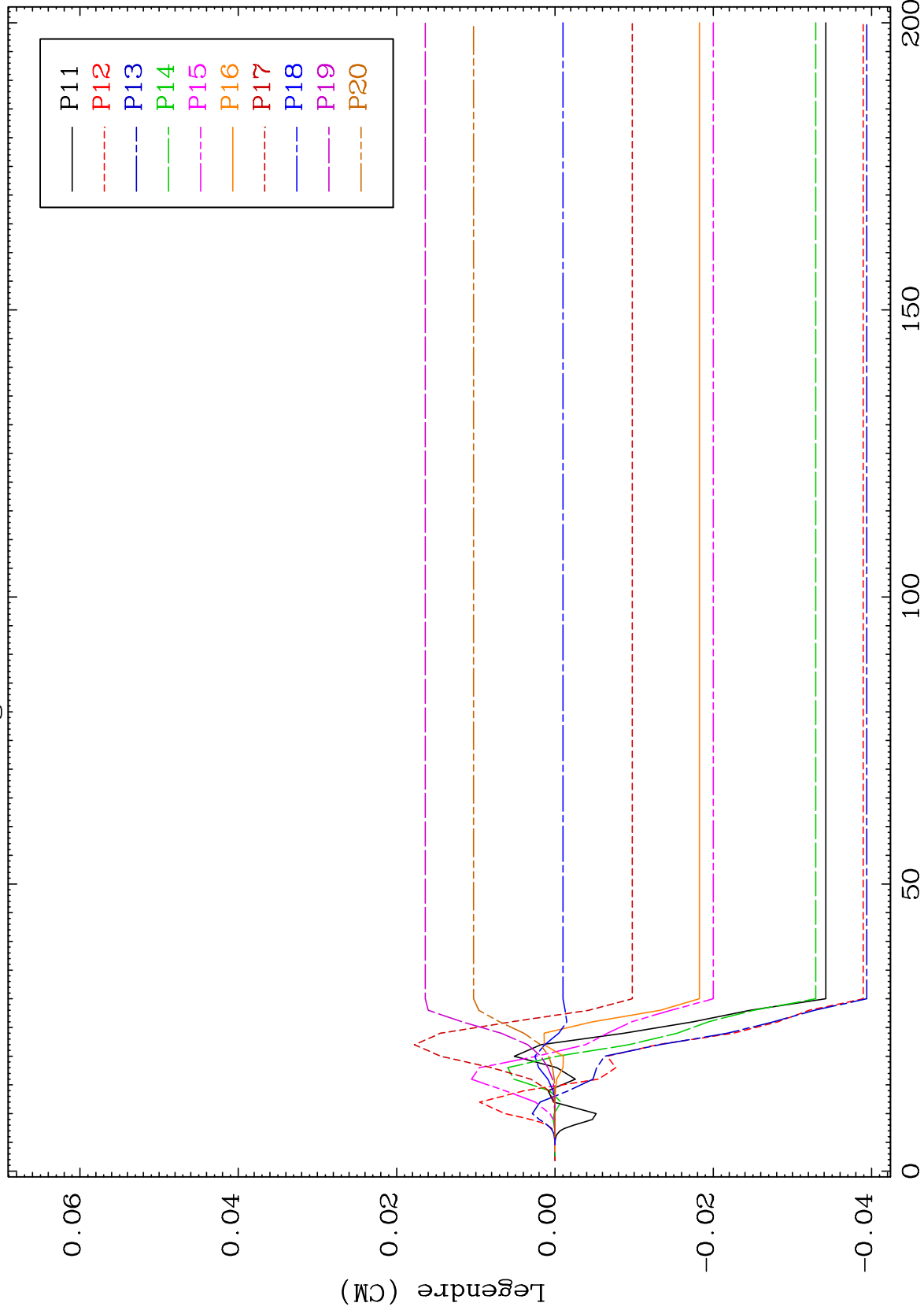
70-Yb-178



MAT 7055

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

70-Yb-178



21

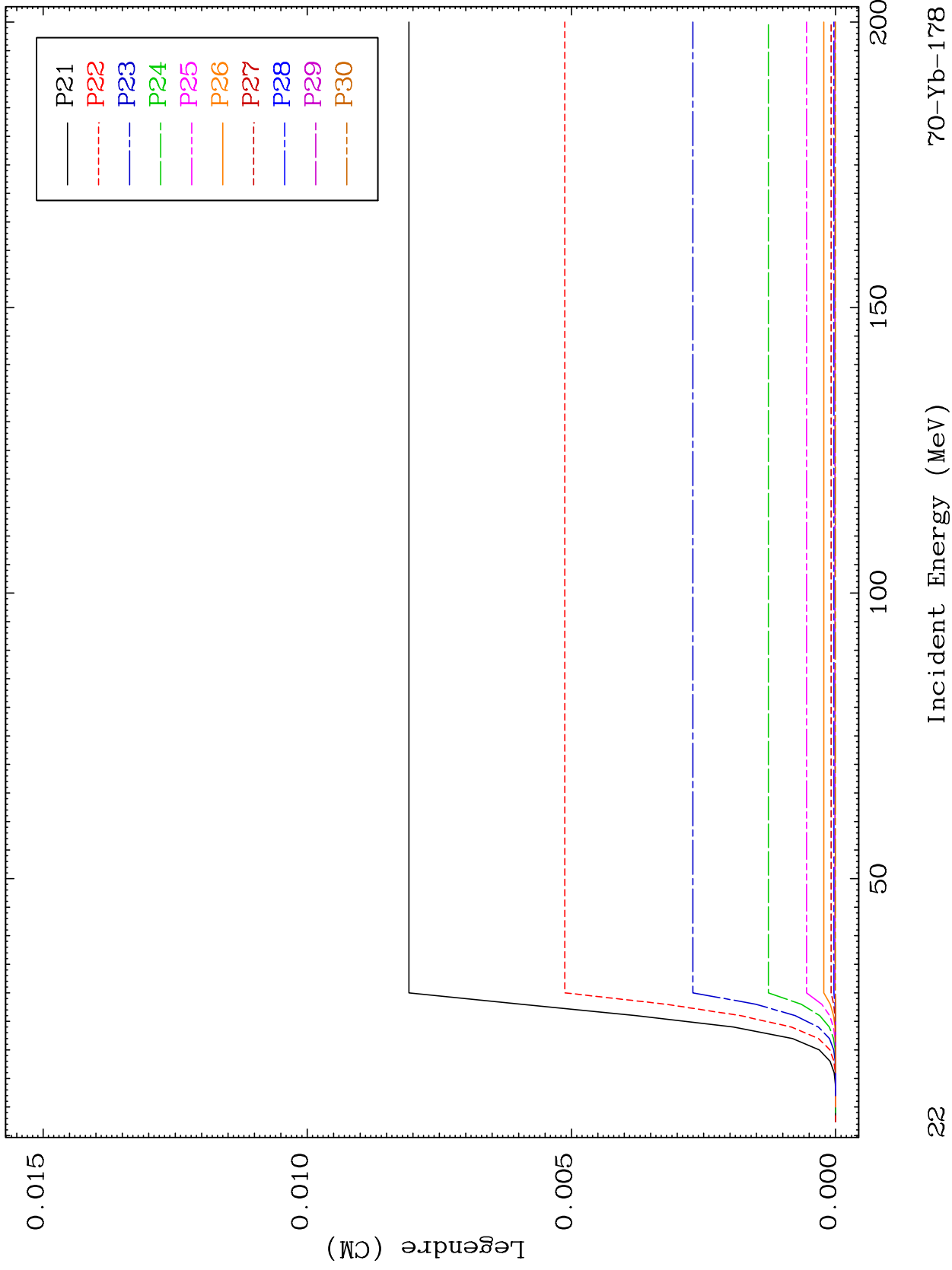
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



22

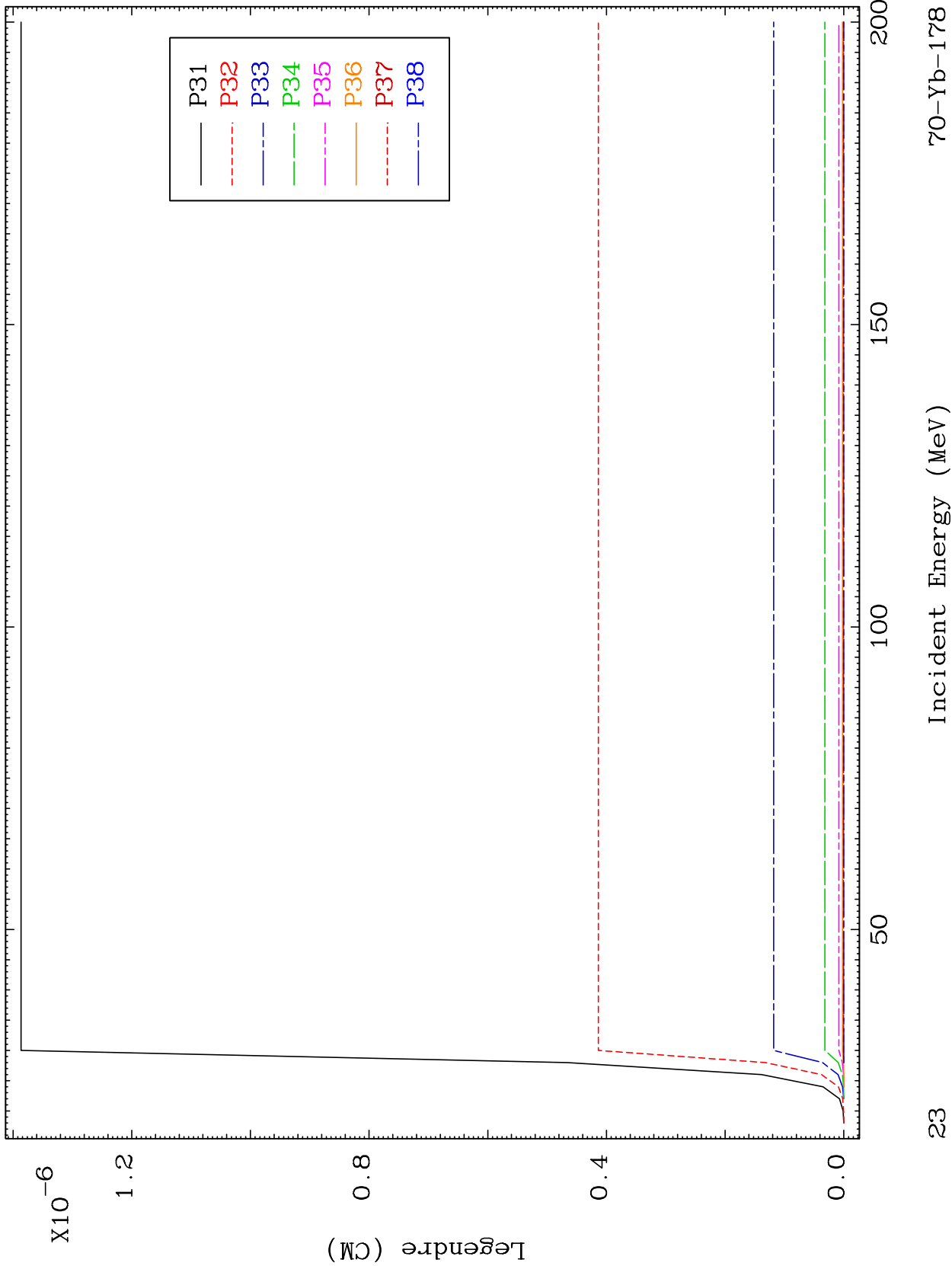
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



23

Incident Energy (MeV)

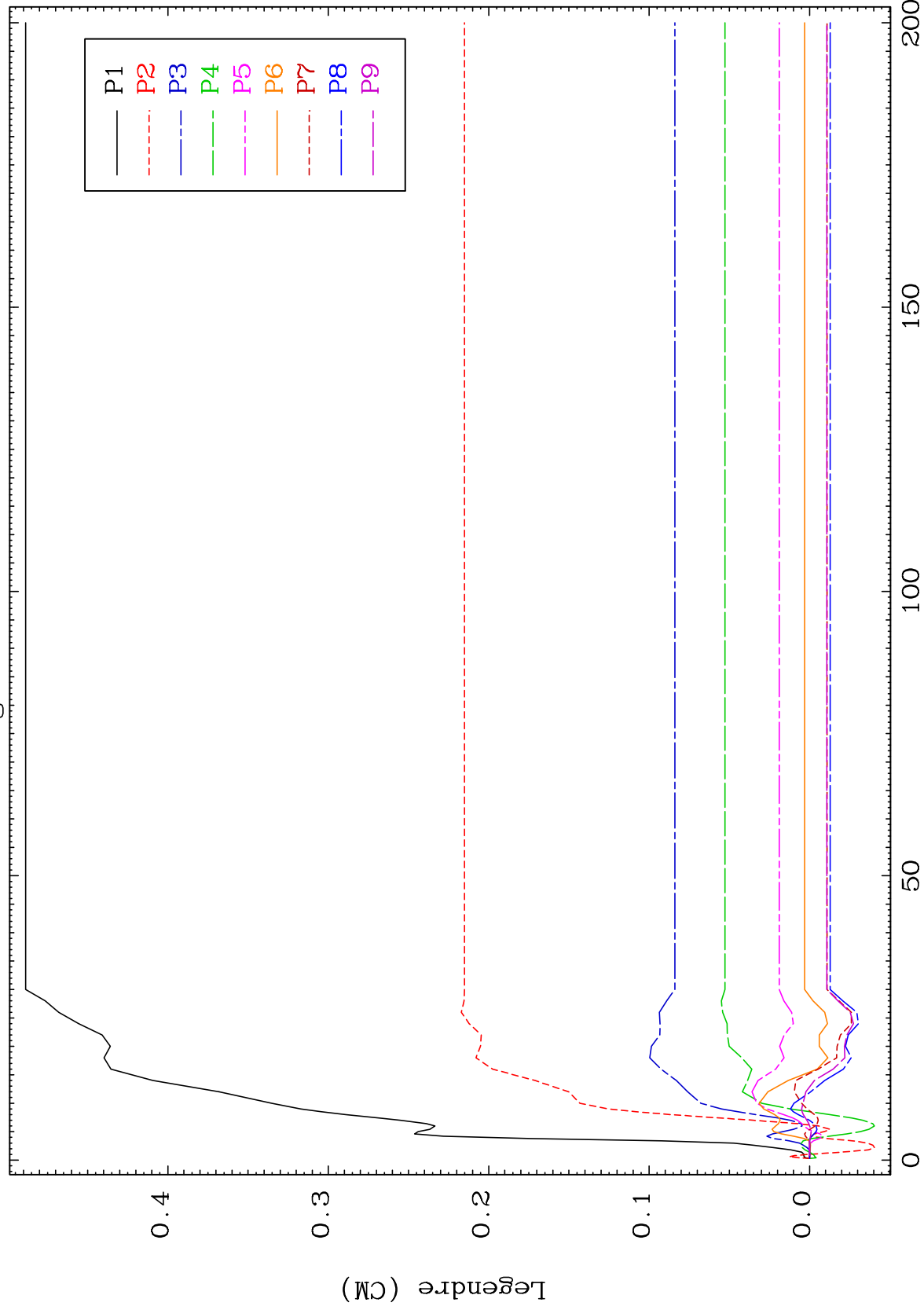
70-Yb-178



MAT 7055

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

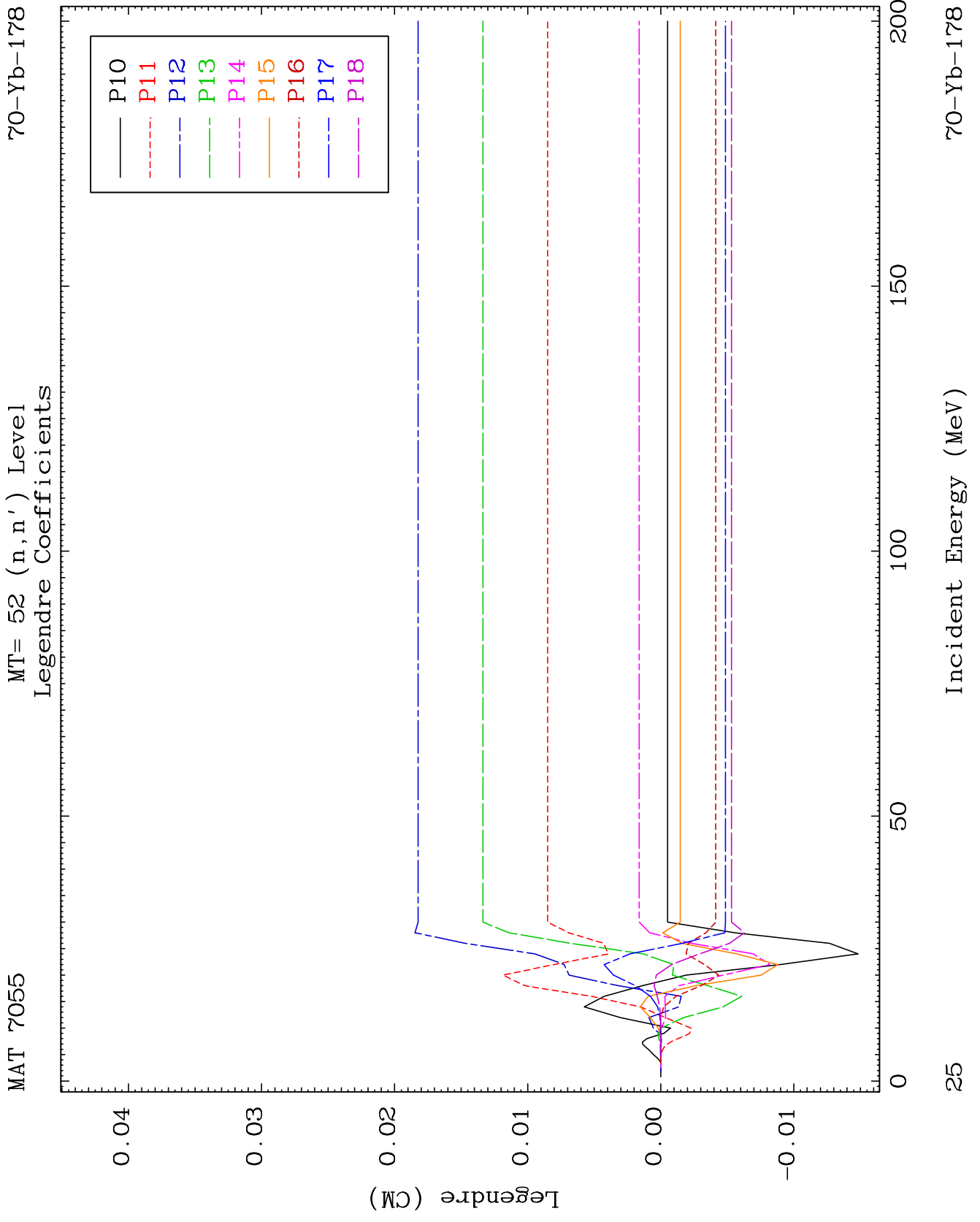
70-Yb-178



24

Incident Energy (MeV)

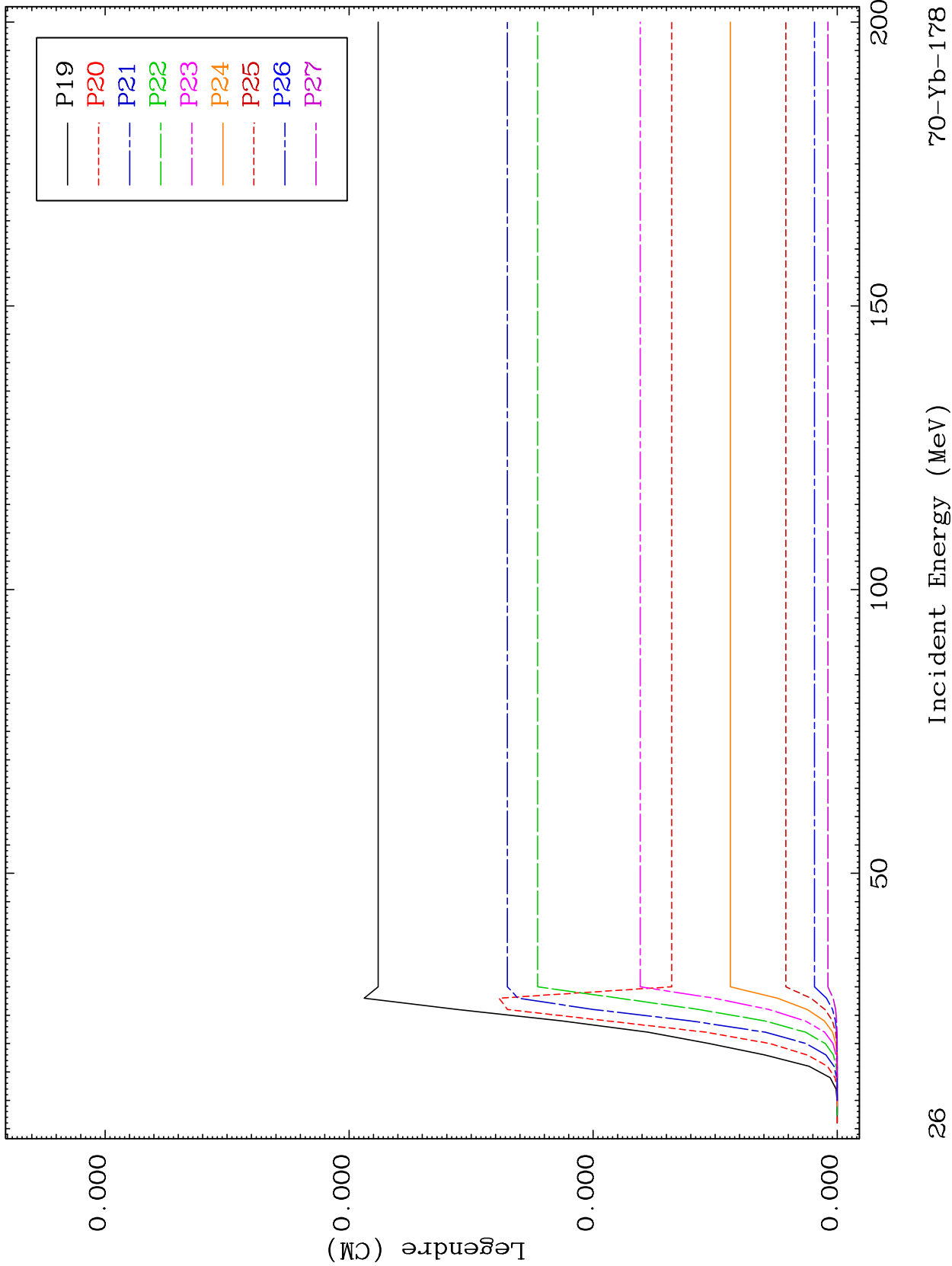
70-Yb-178



MAT 7055

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

70-Yb-178



26

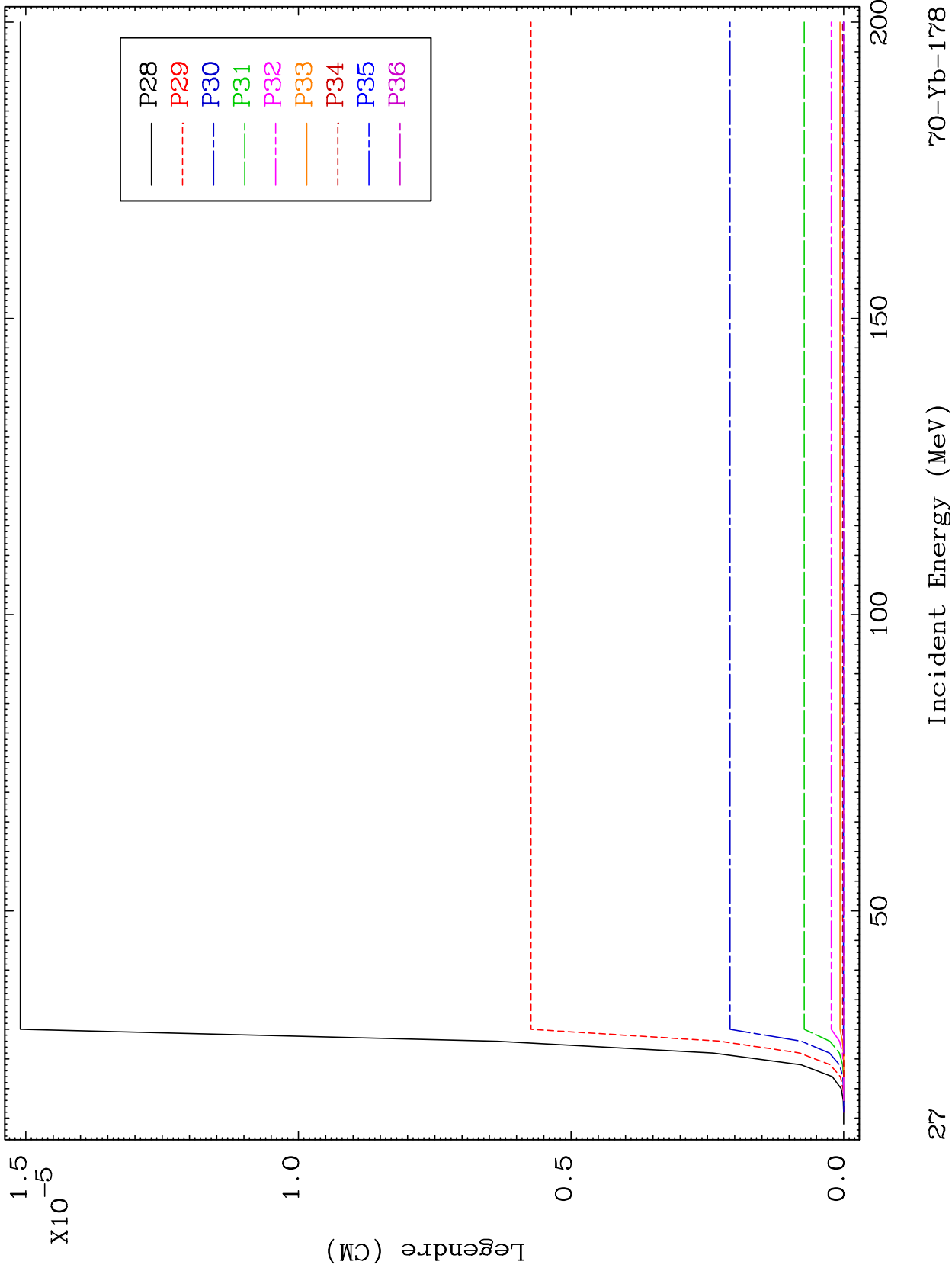
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



27

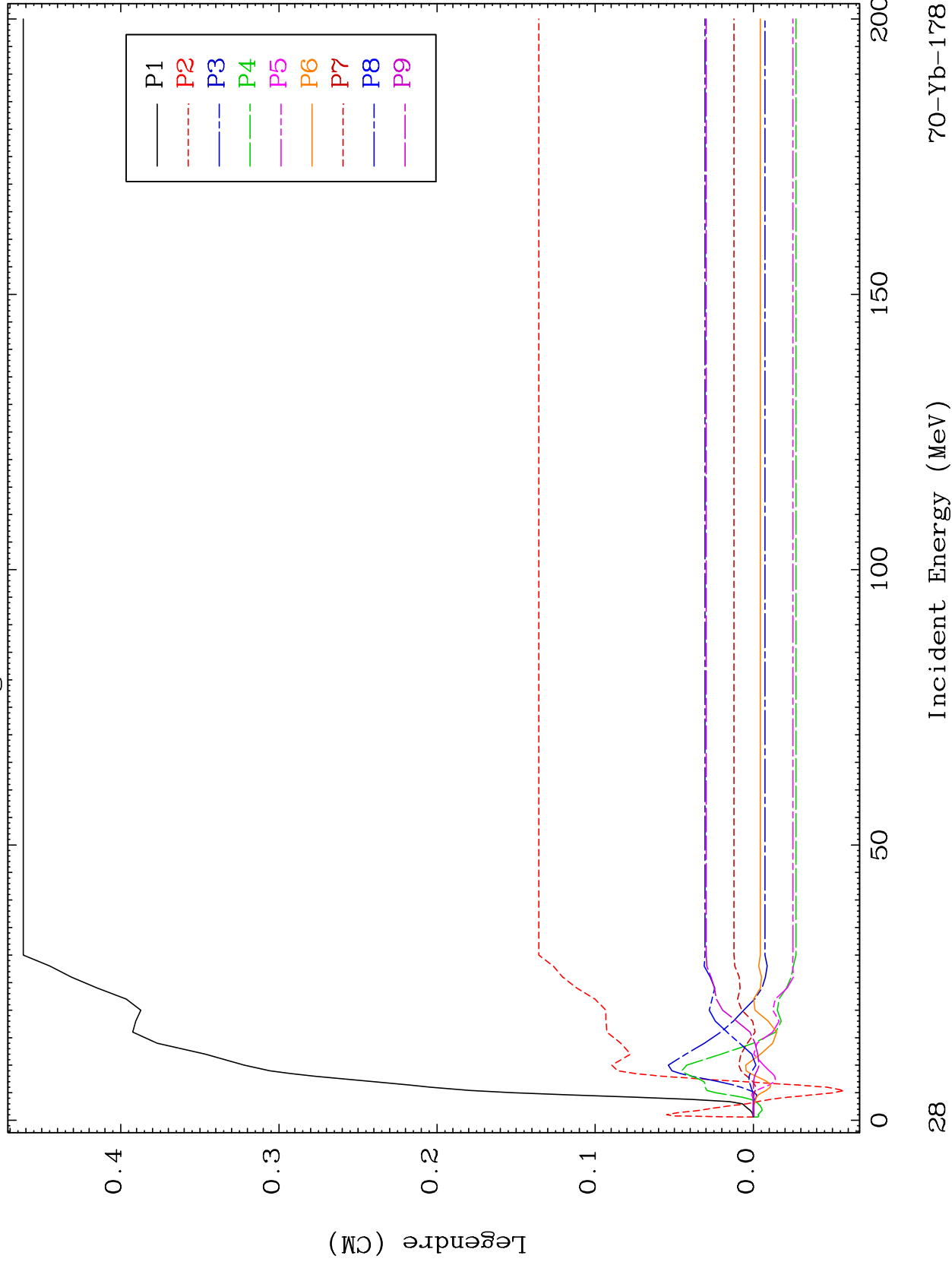
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



70-Yb-178

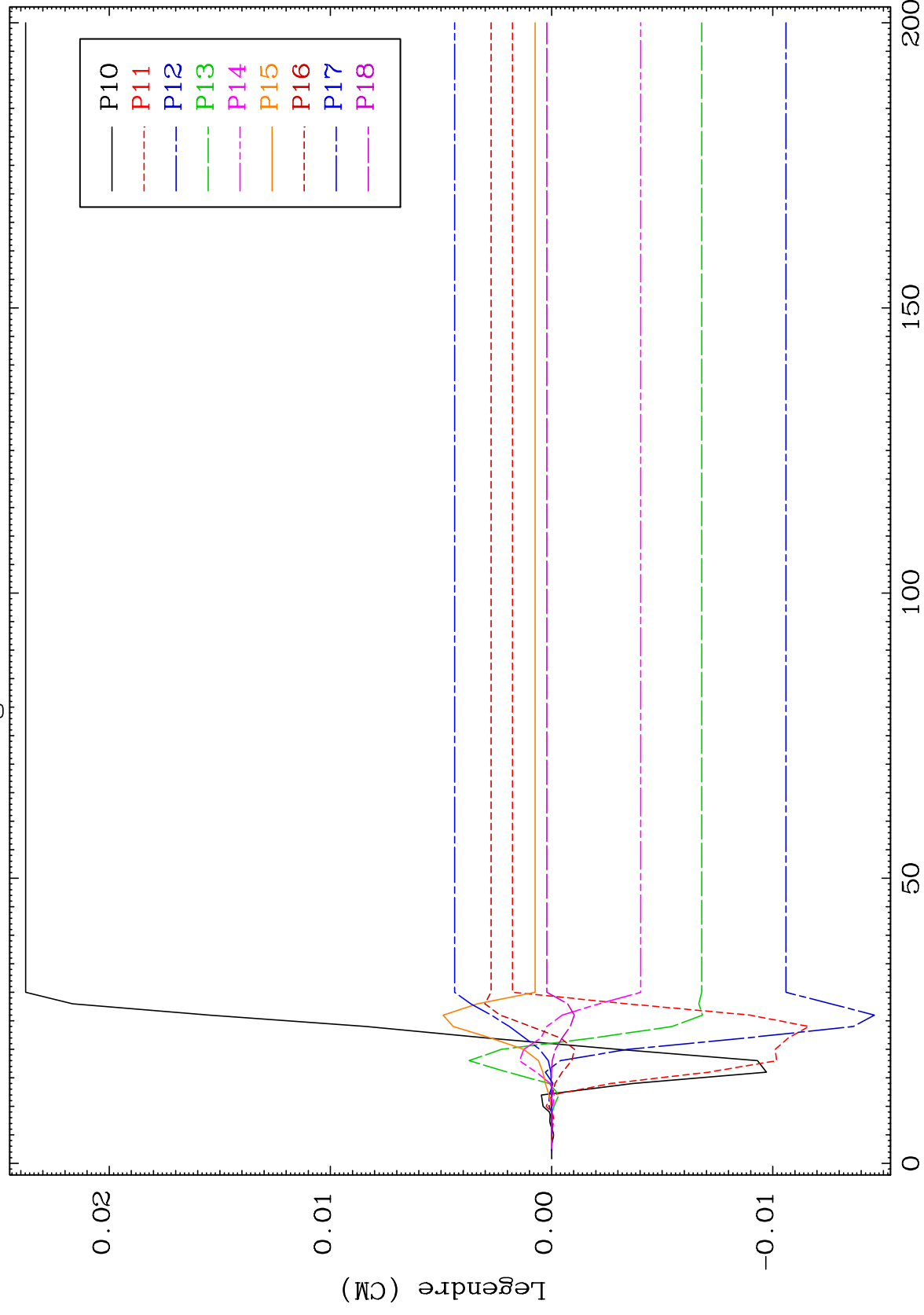
Incident Energy (MeV)

28

MAT 7055

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

70-Yb-178



29

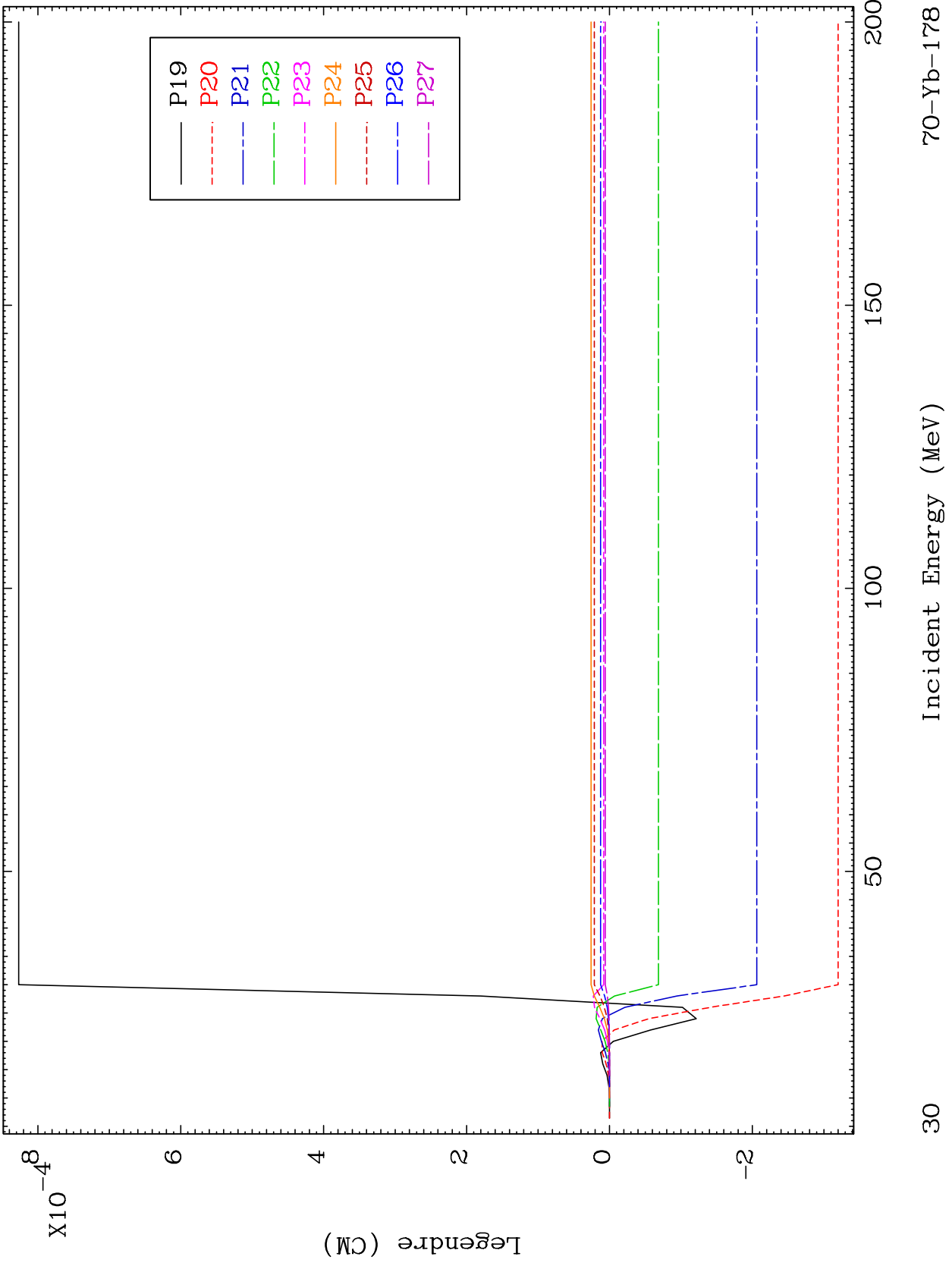
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



30

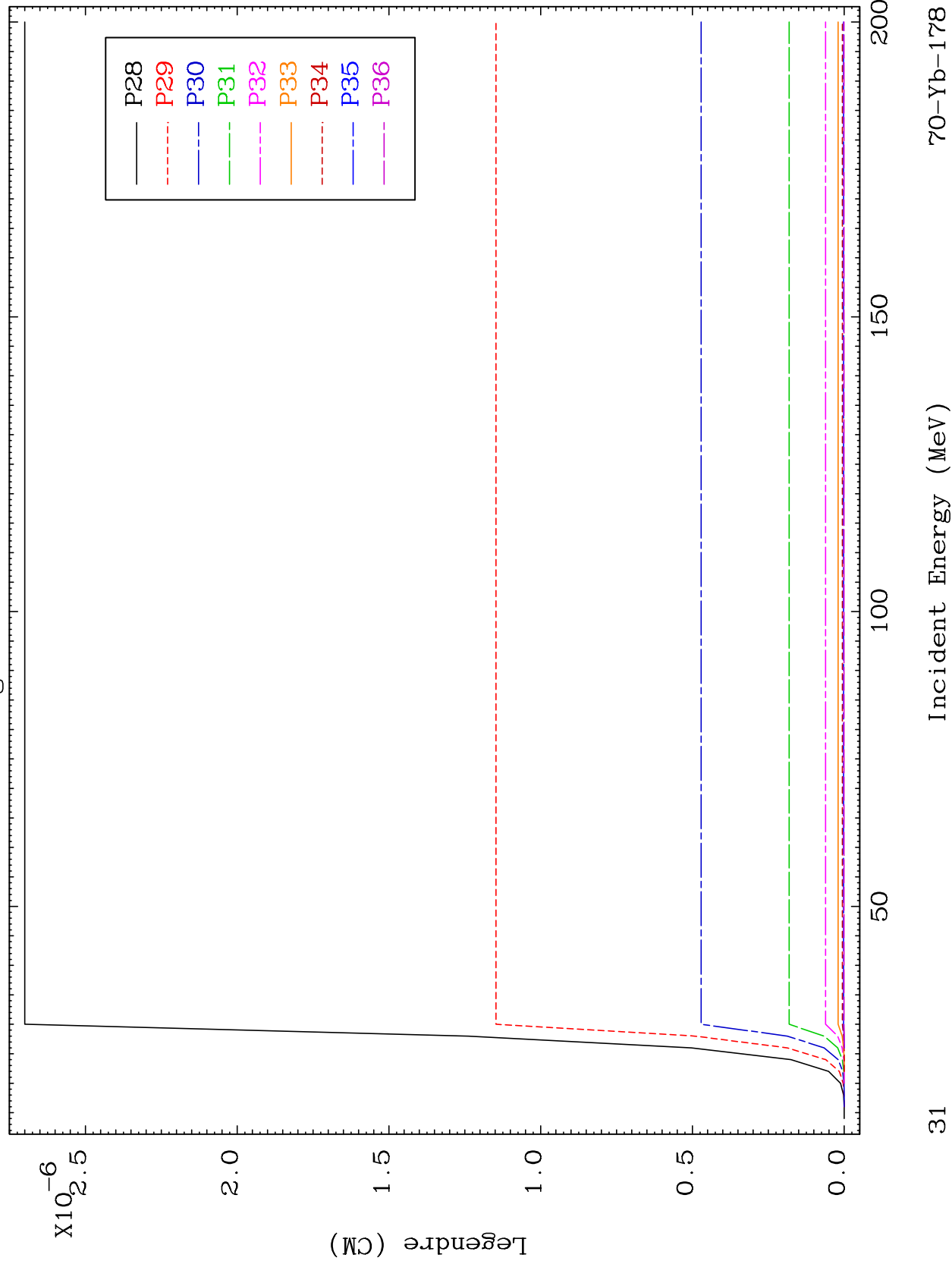
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



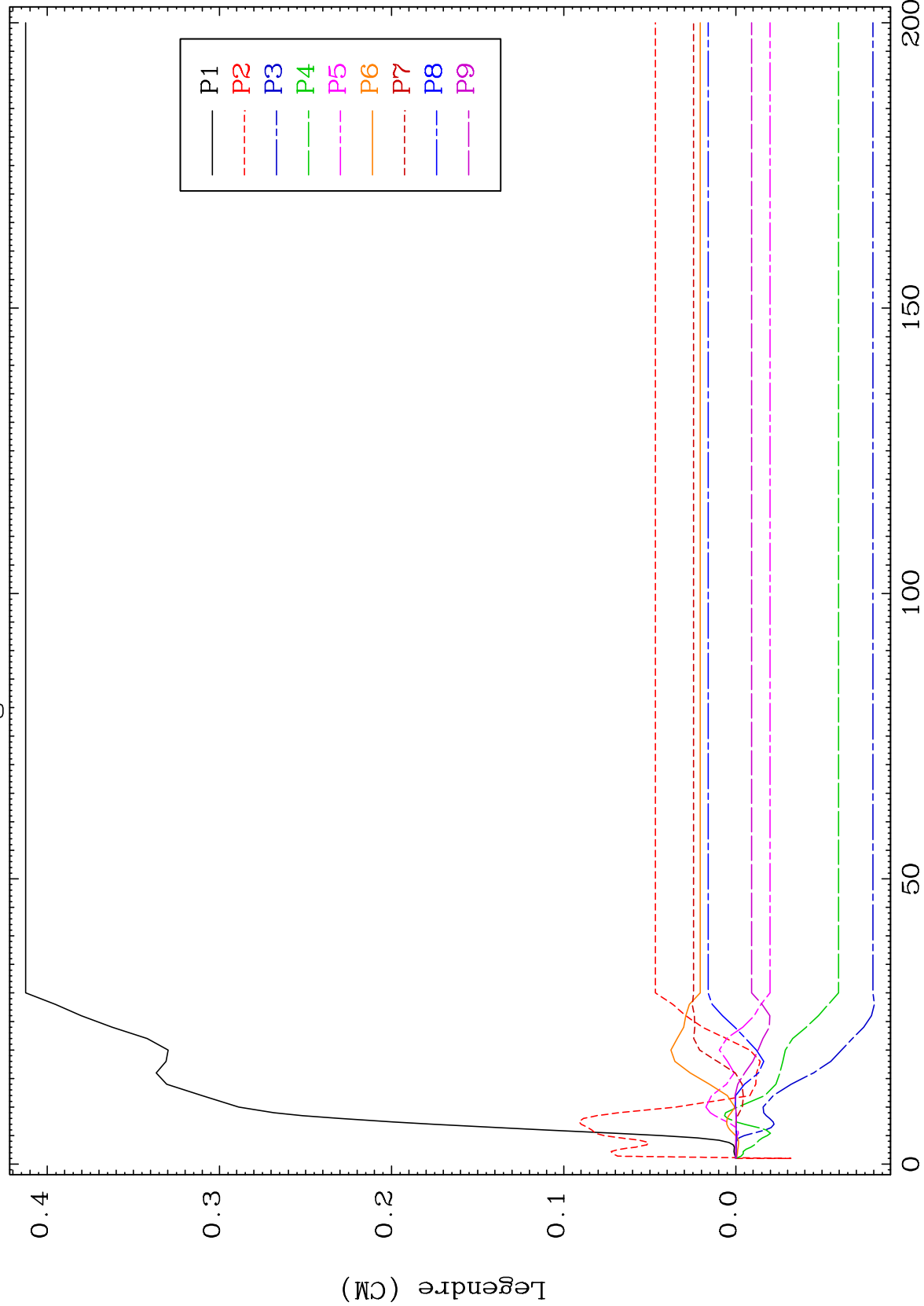
31



MAT 7055

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

70-Yb-178



32

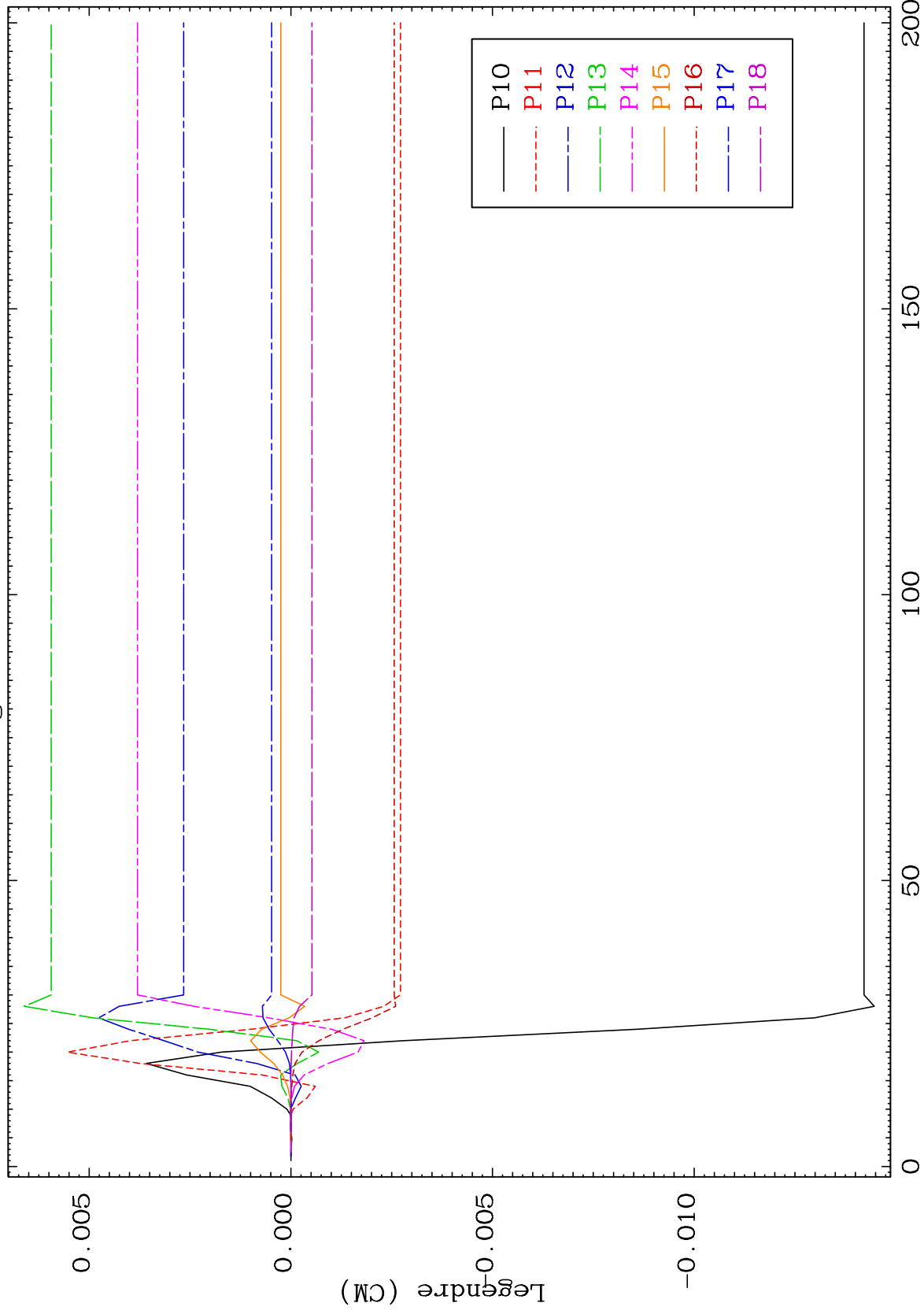
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



33

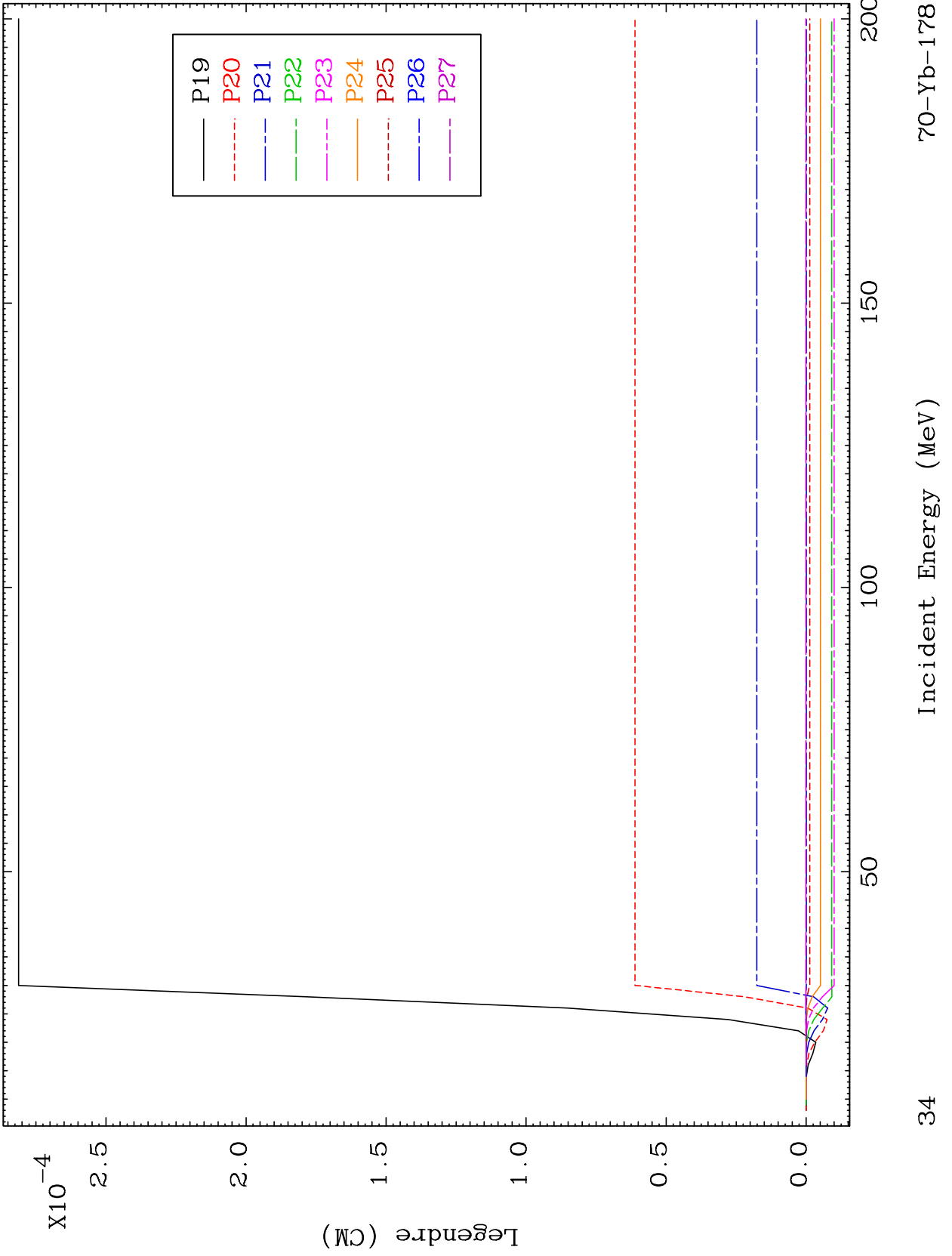
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



34

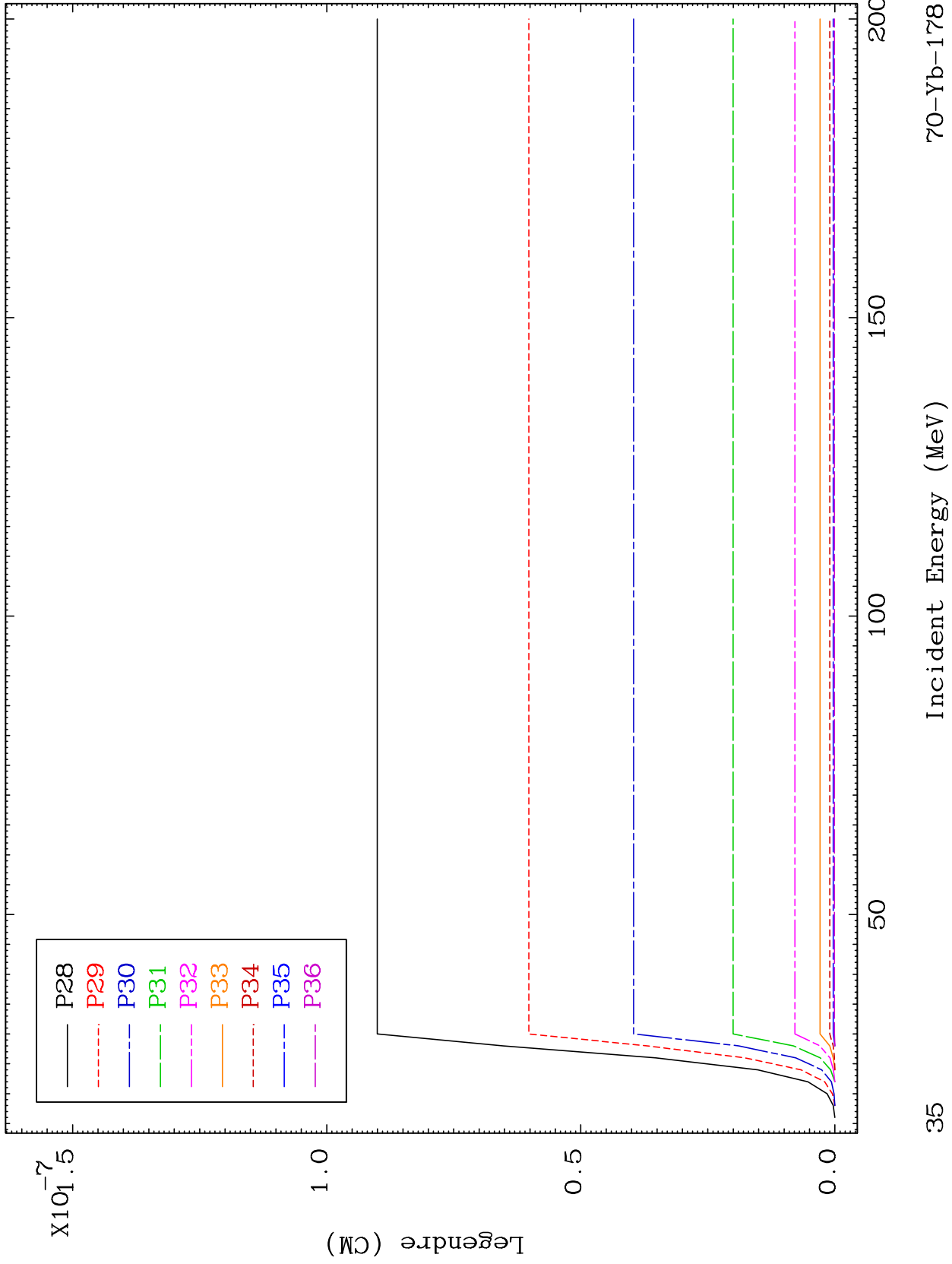
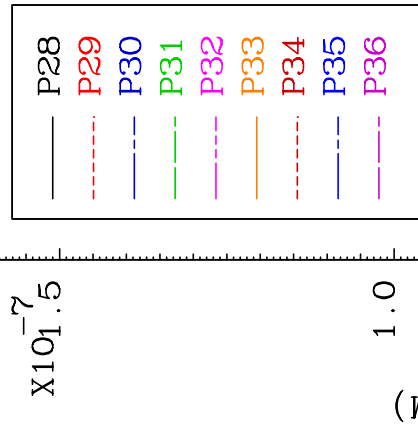
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



70-Yb-178

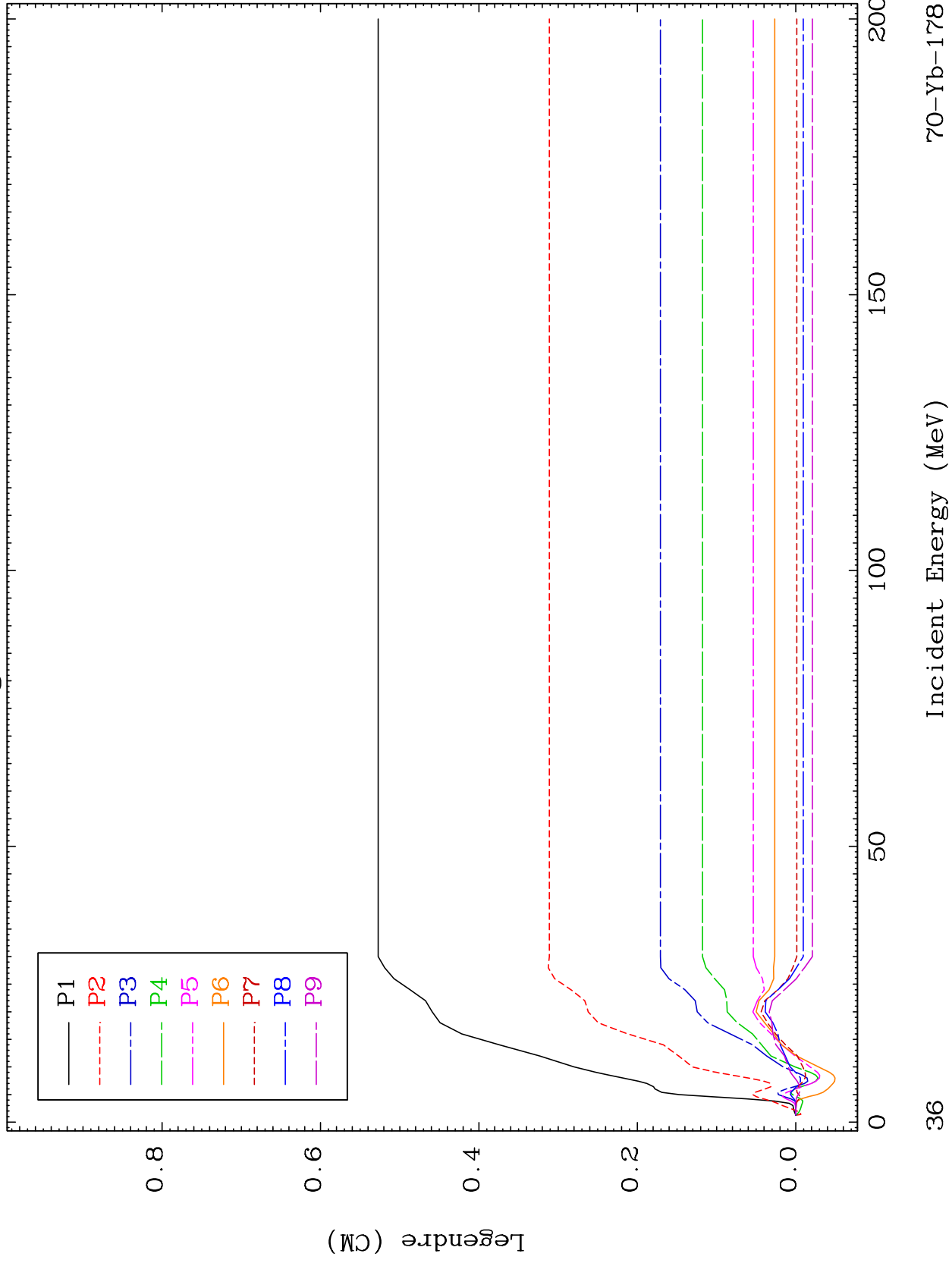
Incident Energy (MeV)

35

MAT 7055

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

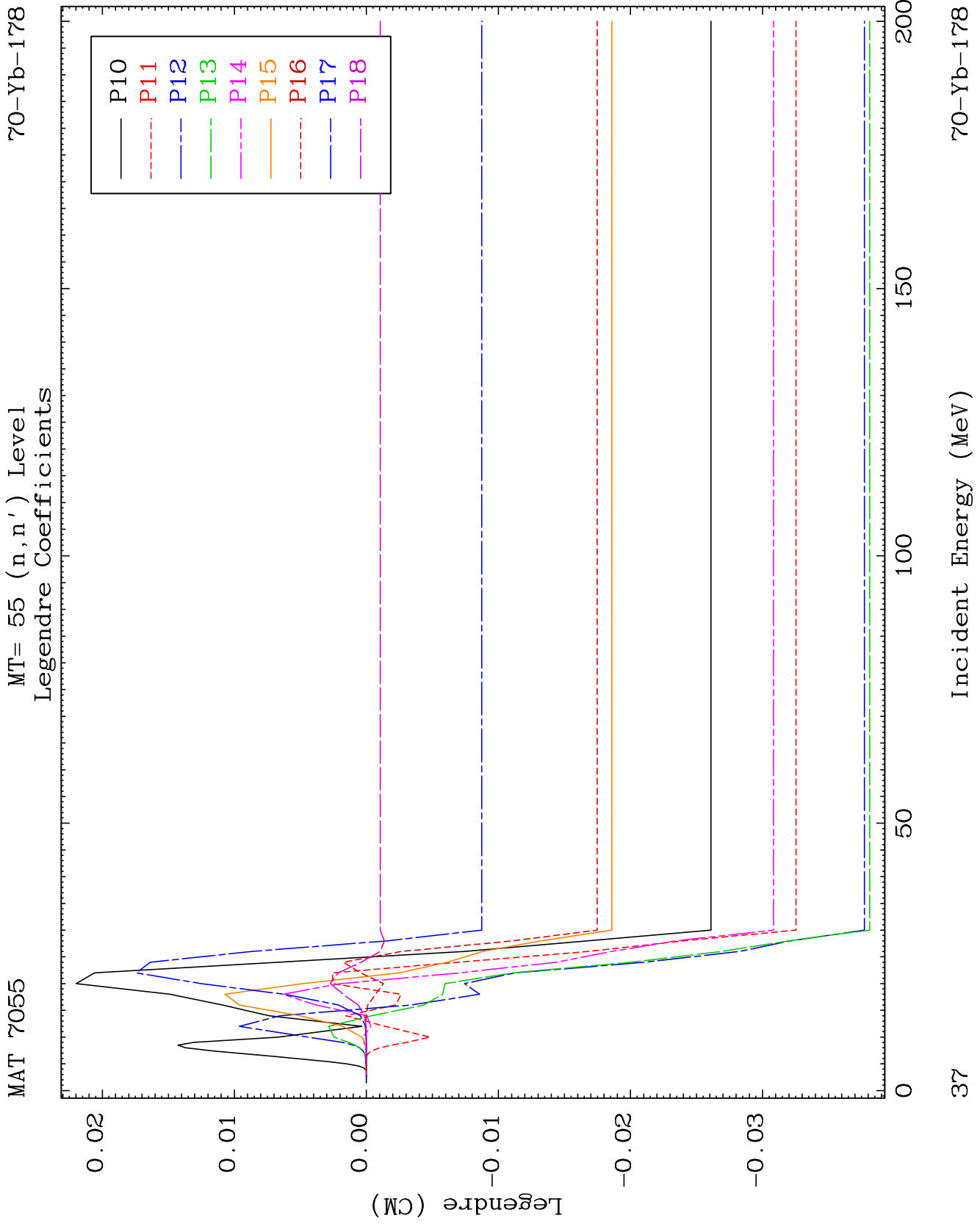
70-Yb-178

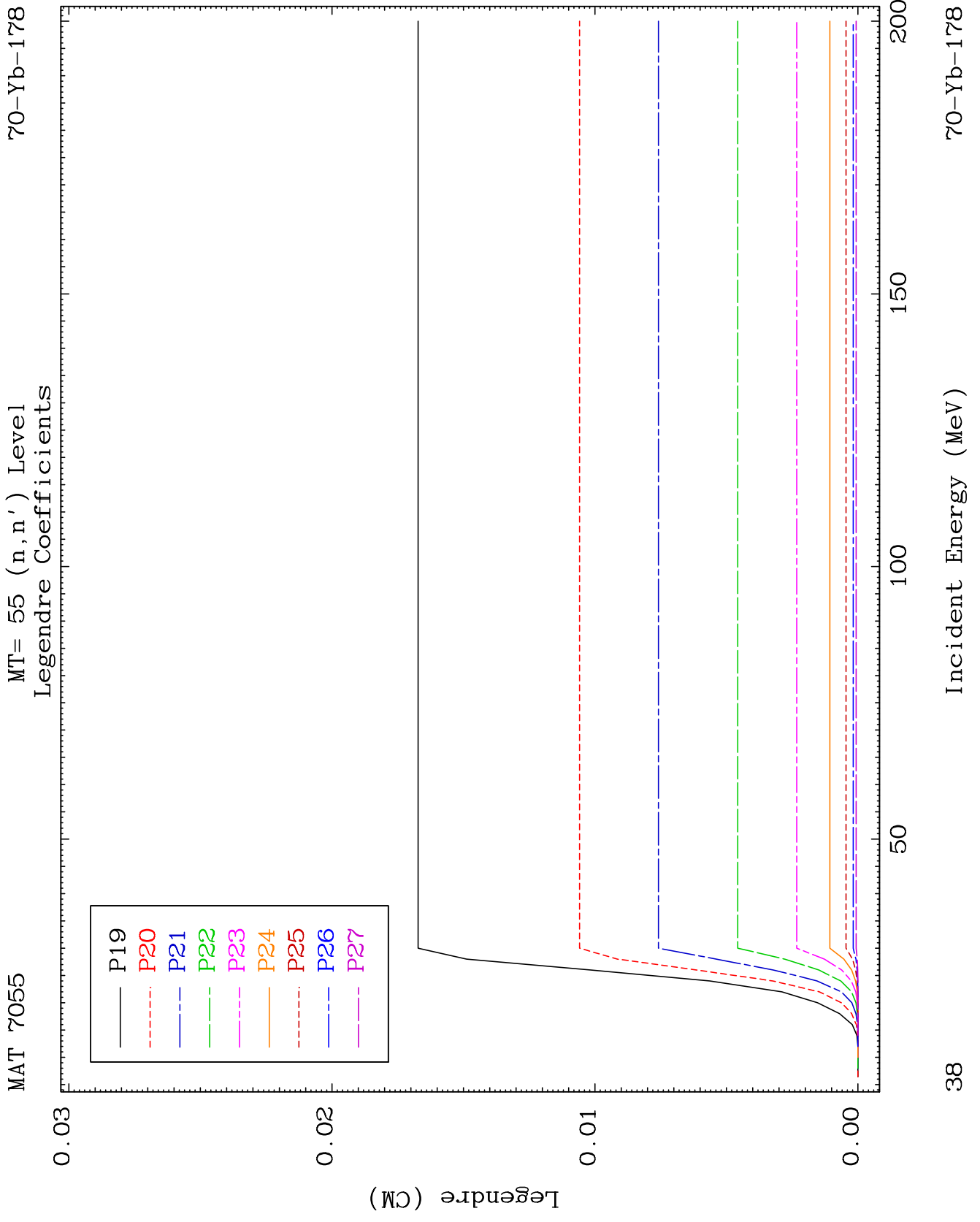


36

Incident Energy (MeV)

70-Yb-178

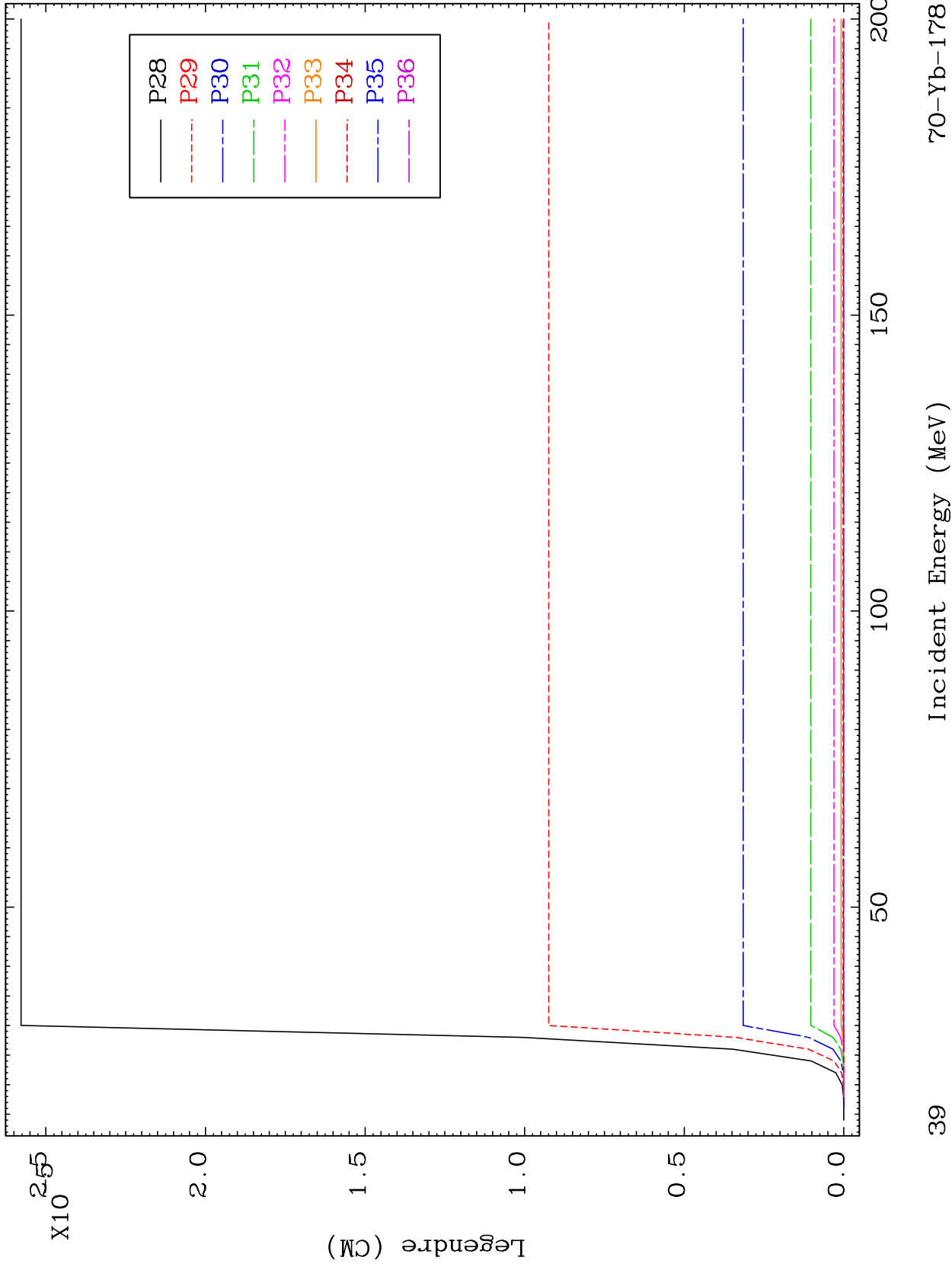




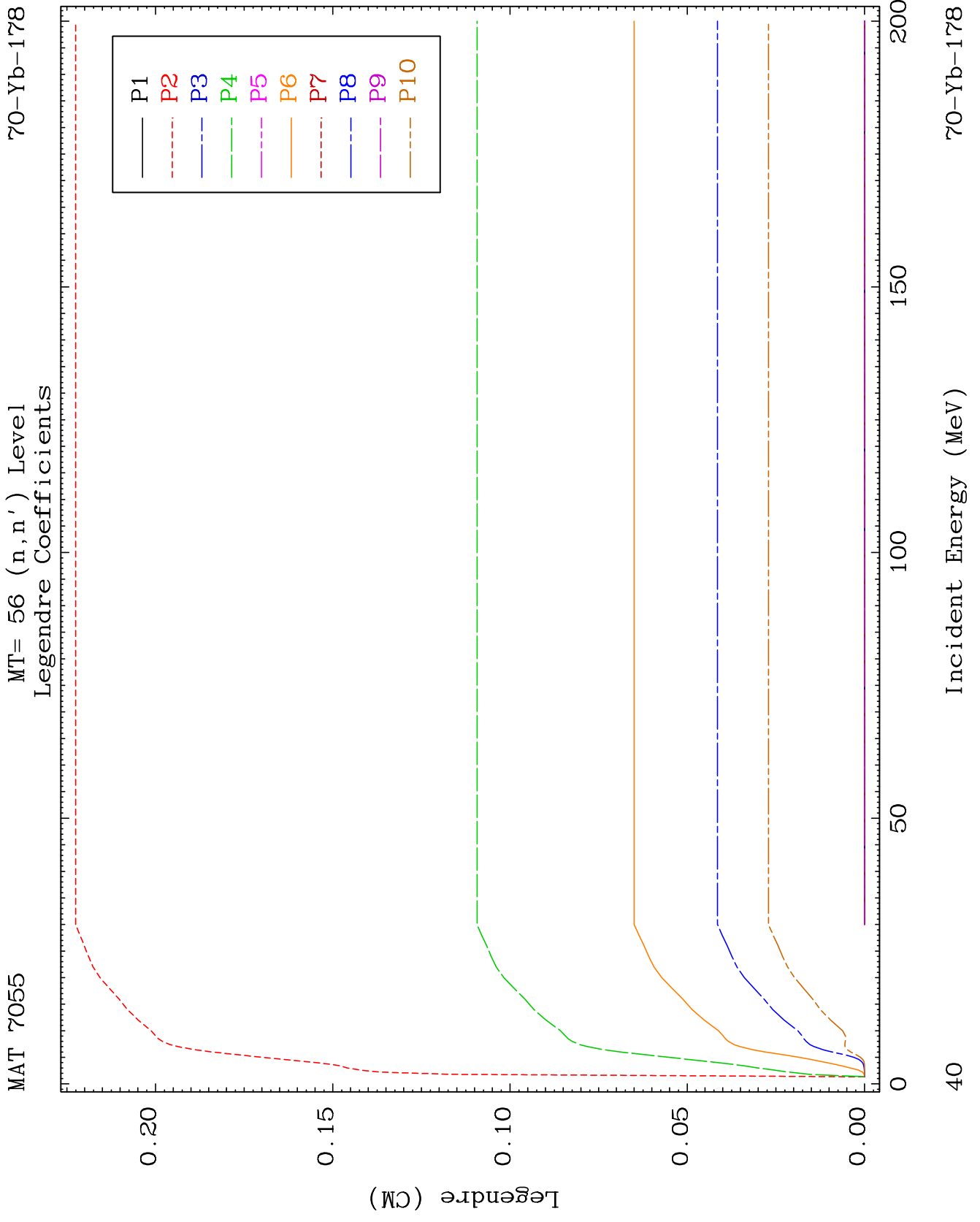
MAT 7055

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

70-Yb-178



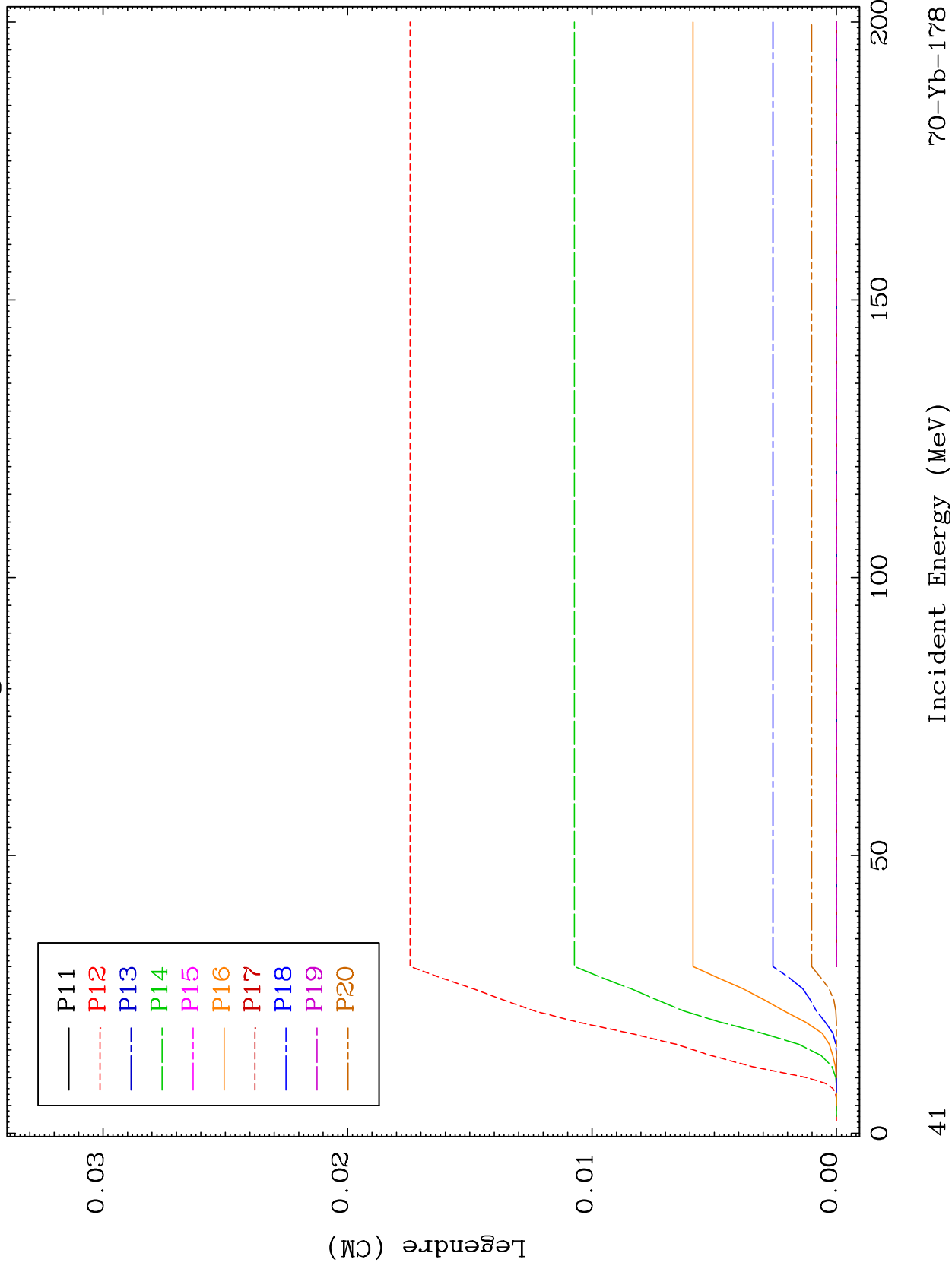




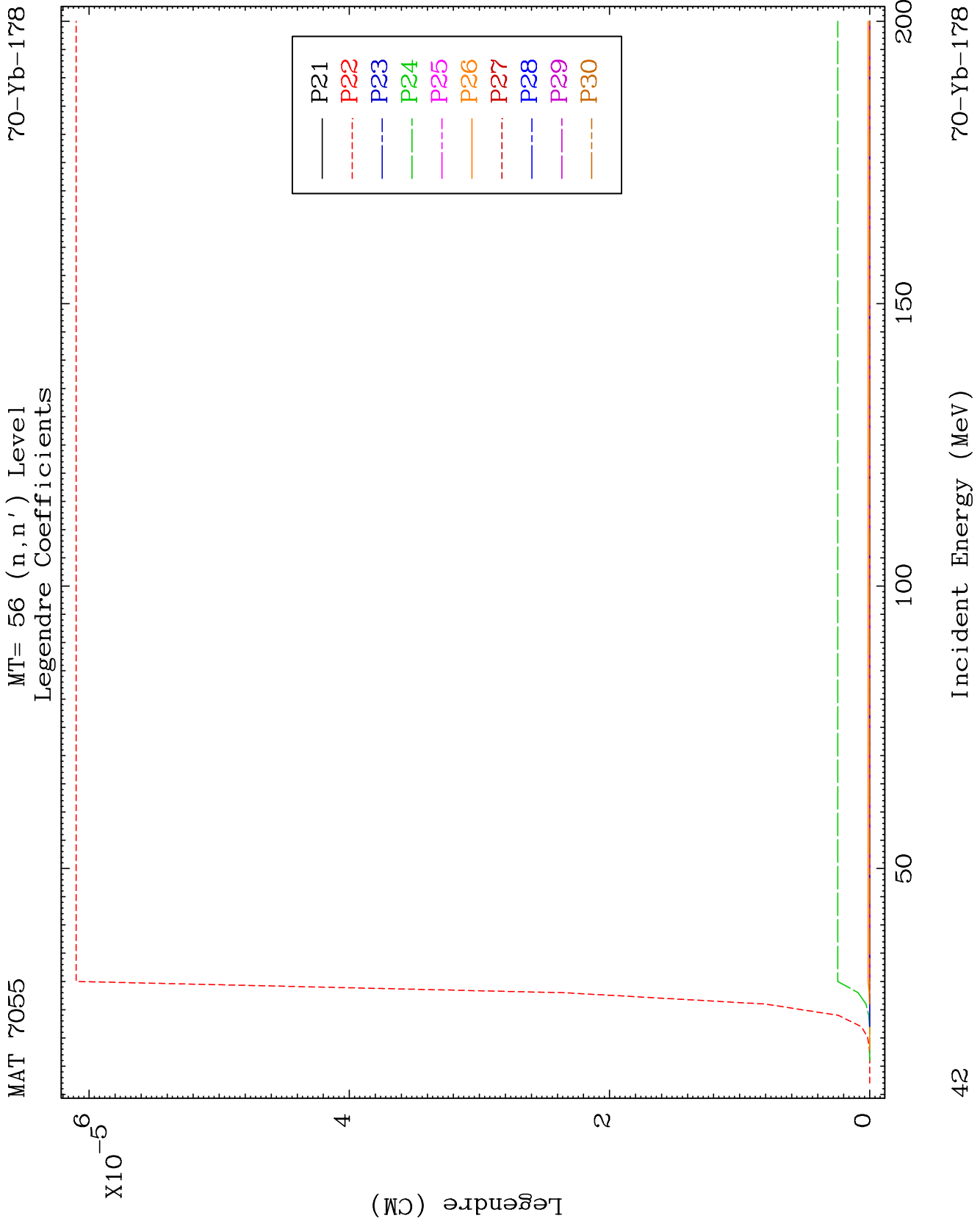
MAT 70555

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

70-Yb-178



41

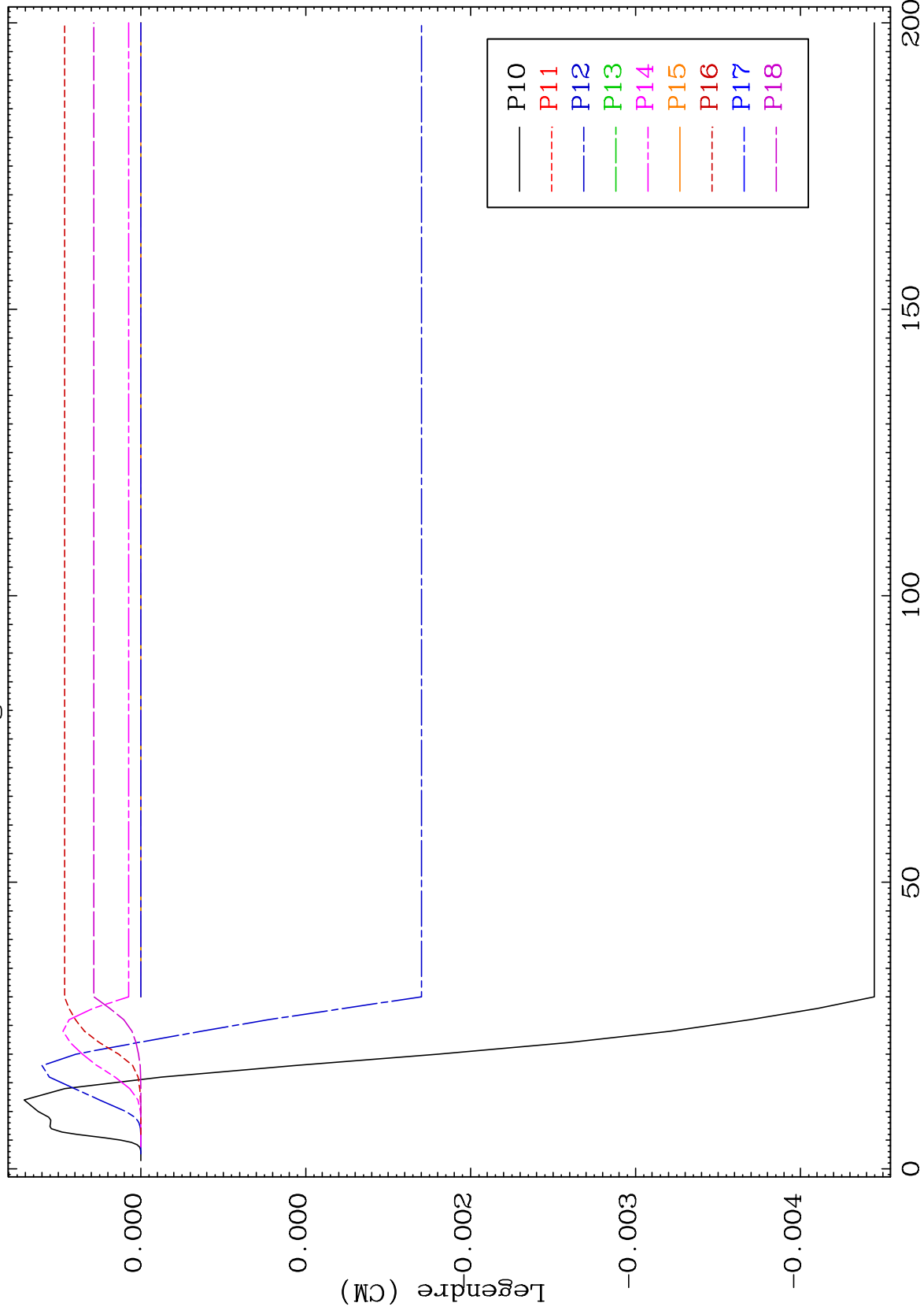




MAT 7055

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

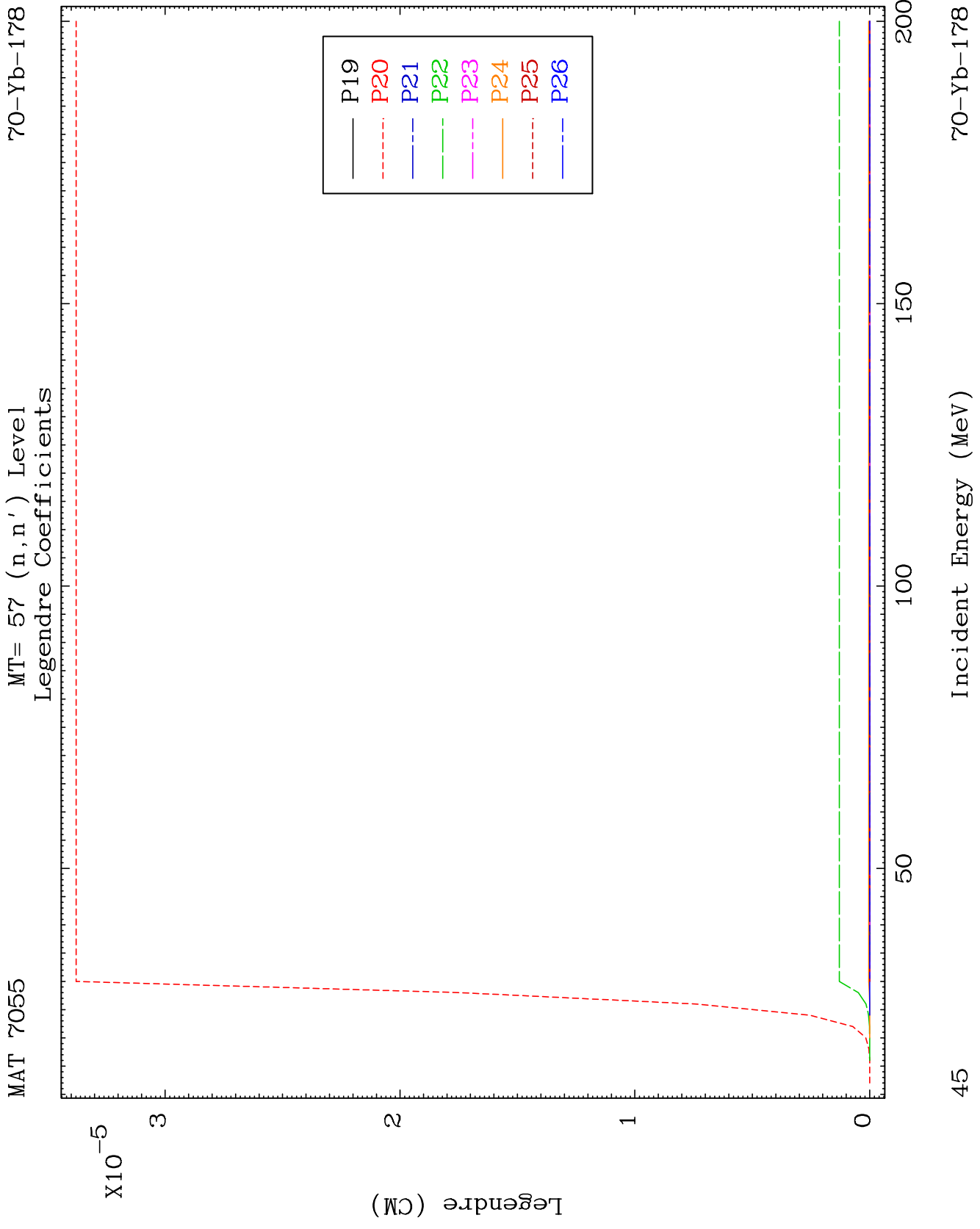
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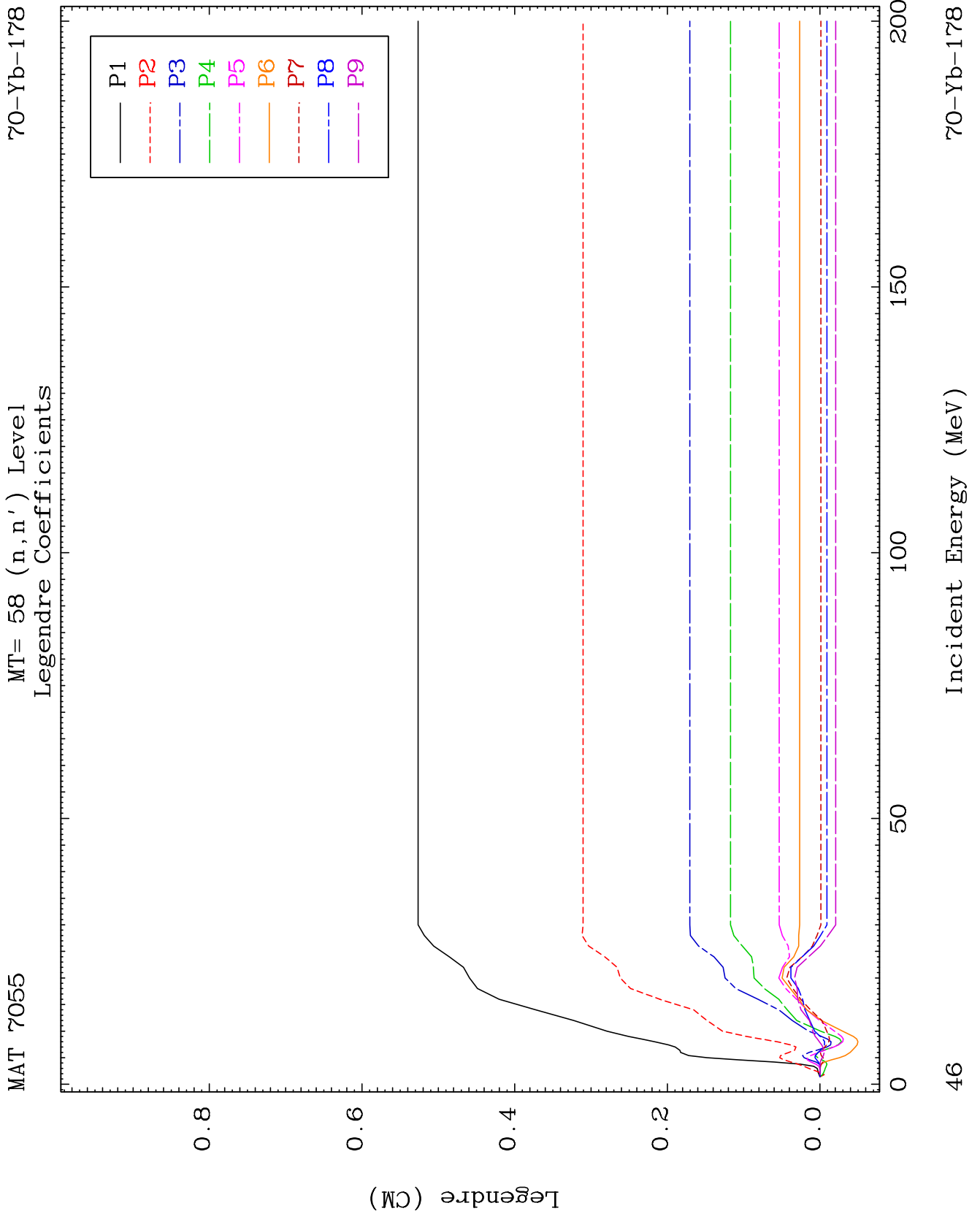


44

Incident Energy (MeV)

70-Yb-178

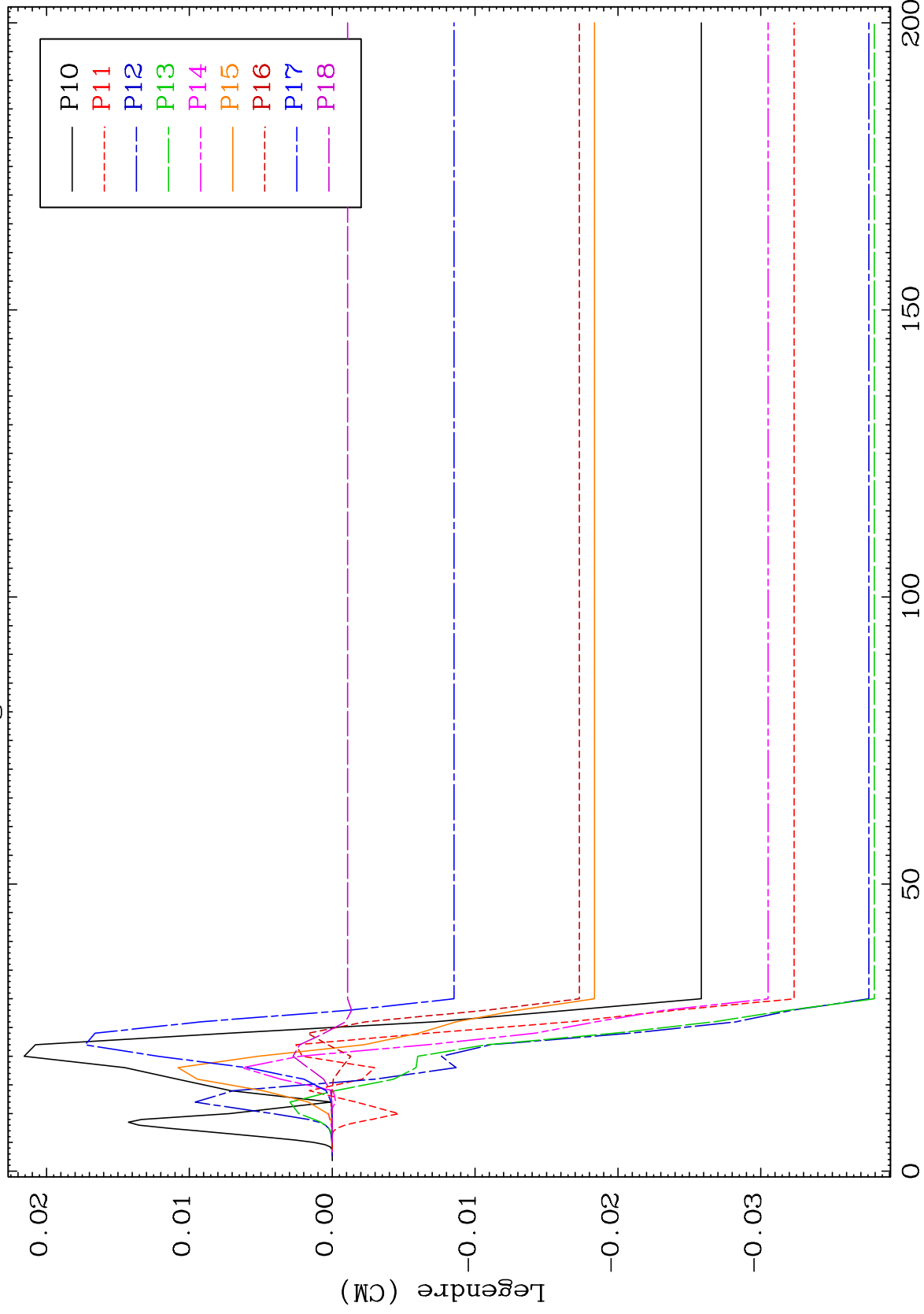




MAT 7055

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

70-Yb-178

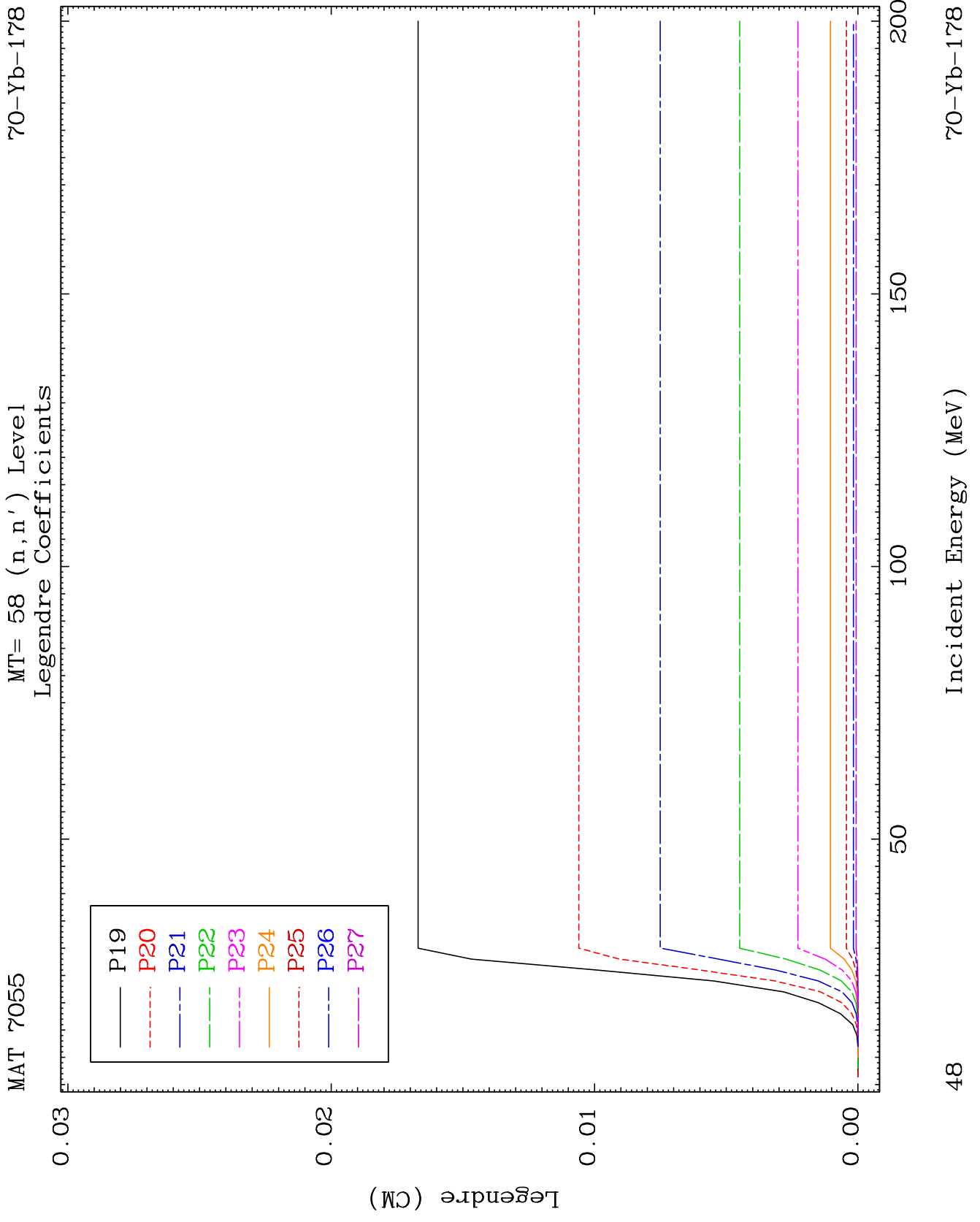


47

Incident Energy (MeV)

70-Yb-178

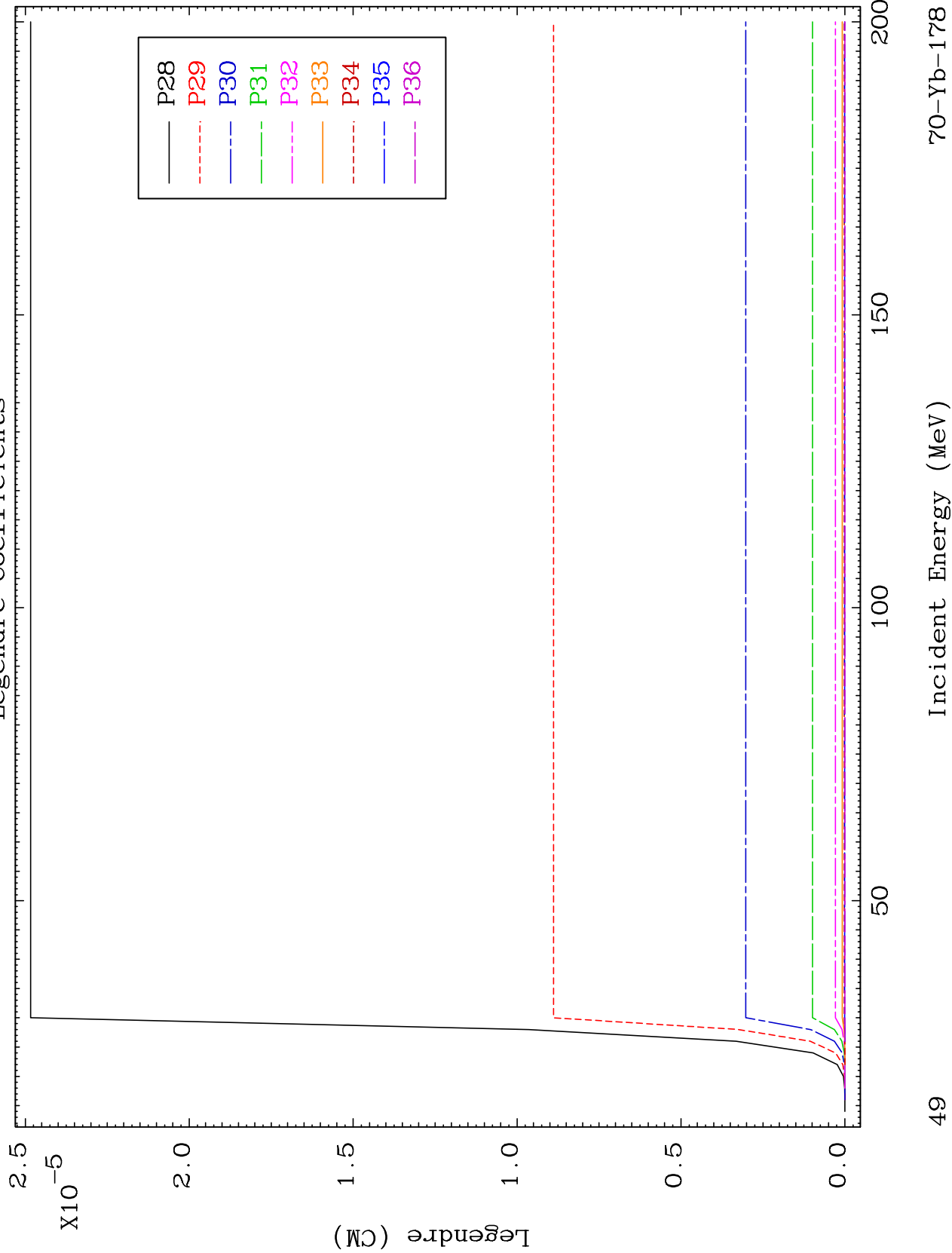




MAT 7055

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

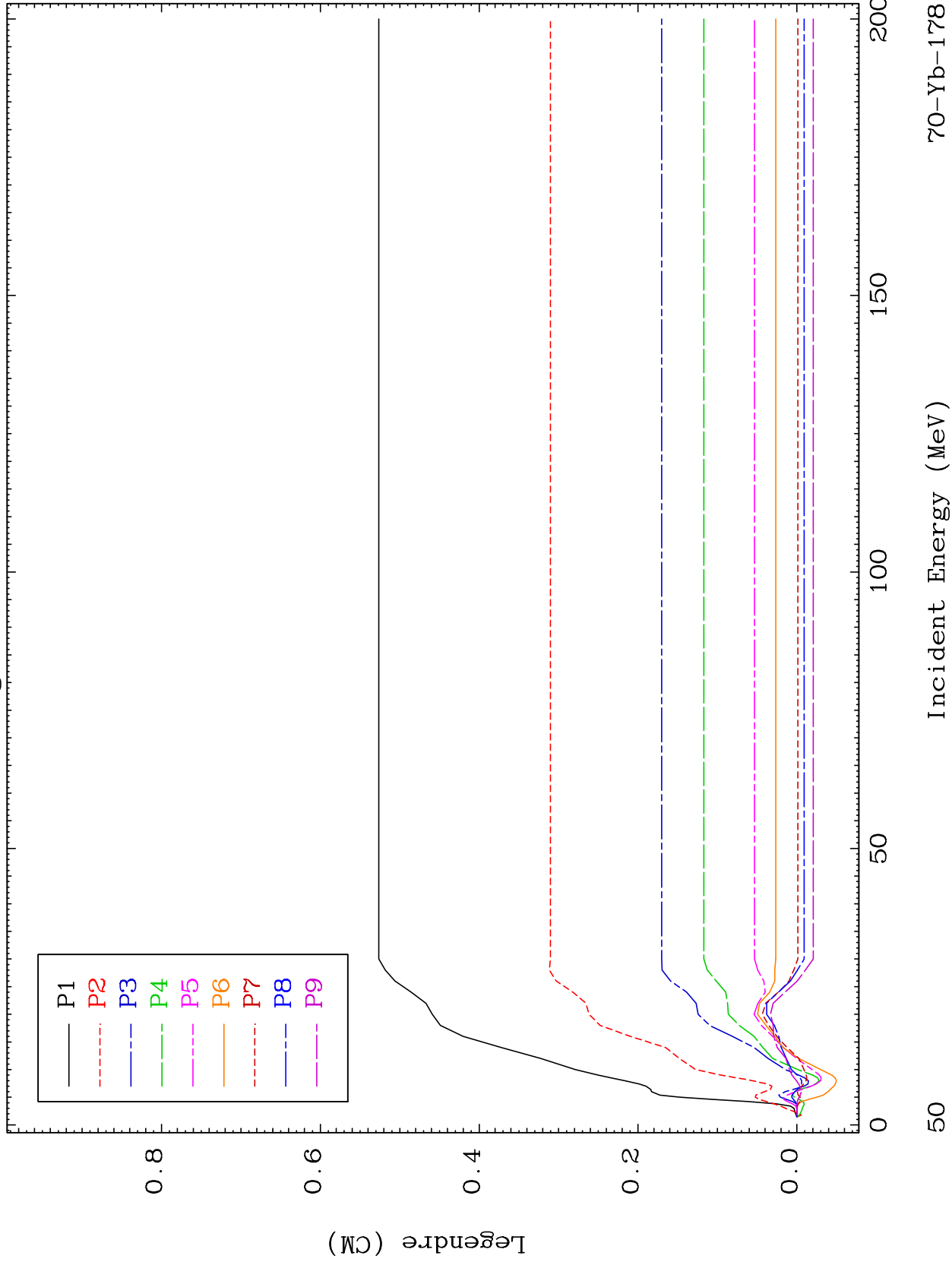
70-Yb-178



MAT 7055

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

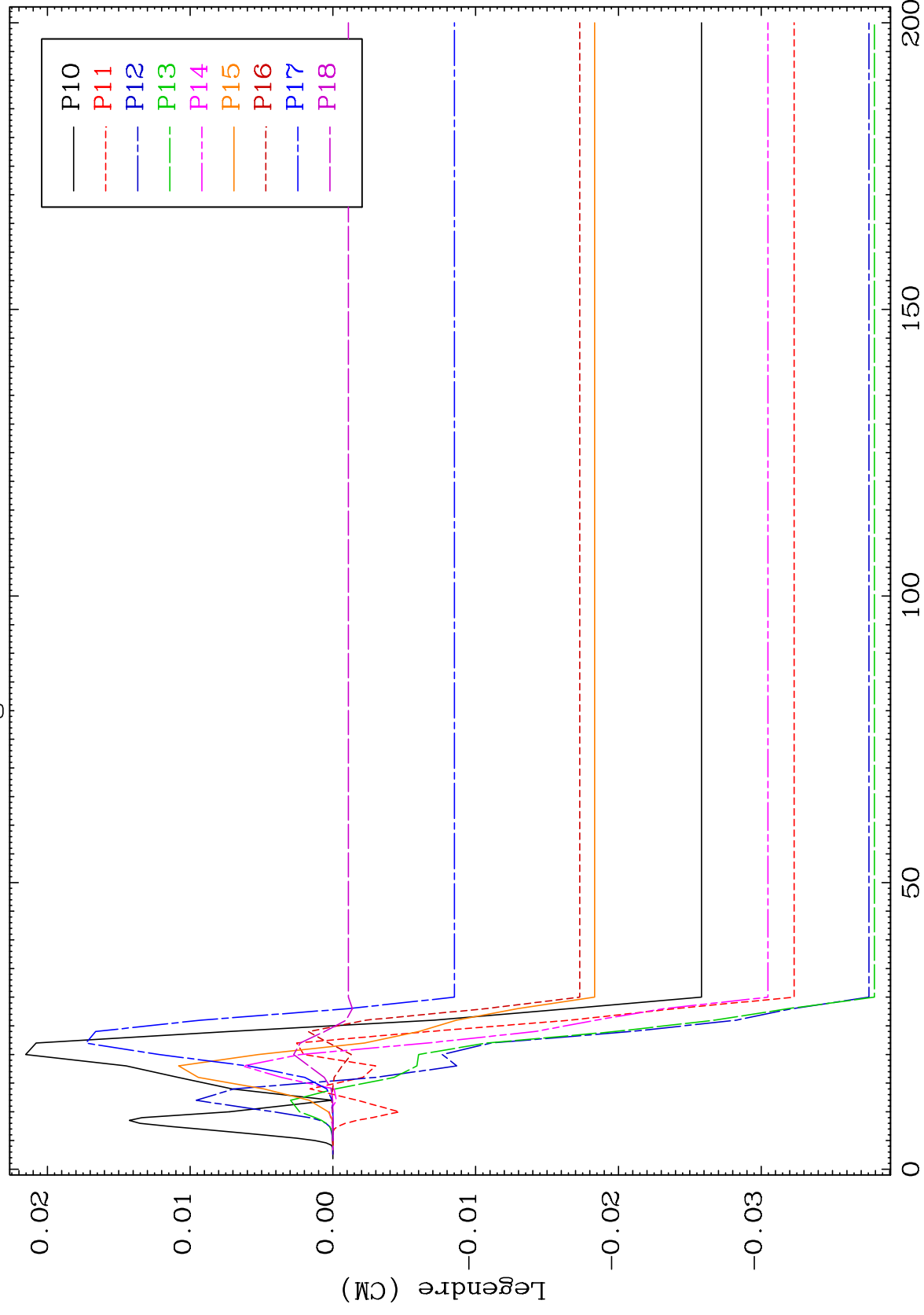
70-Yb-178



MAT 7055

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

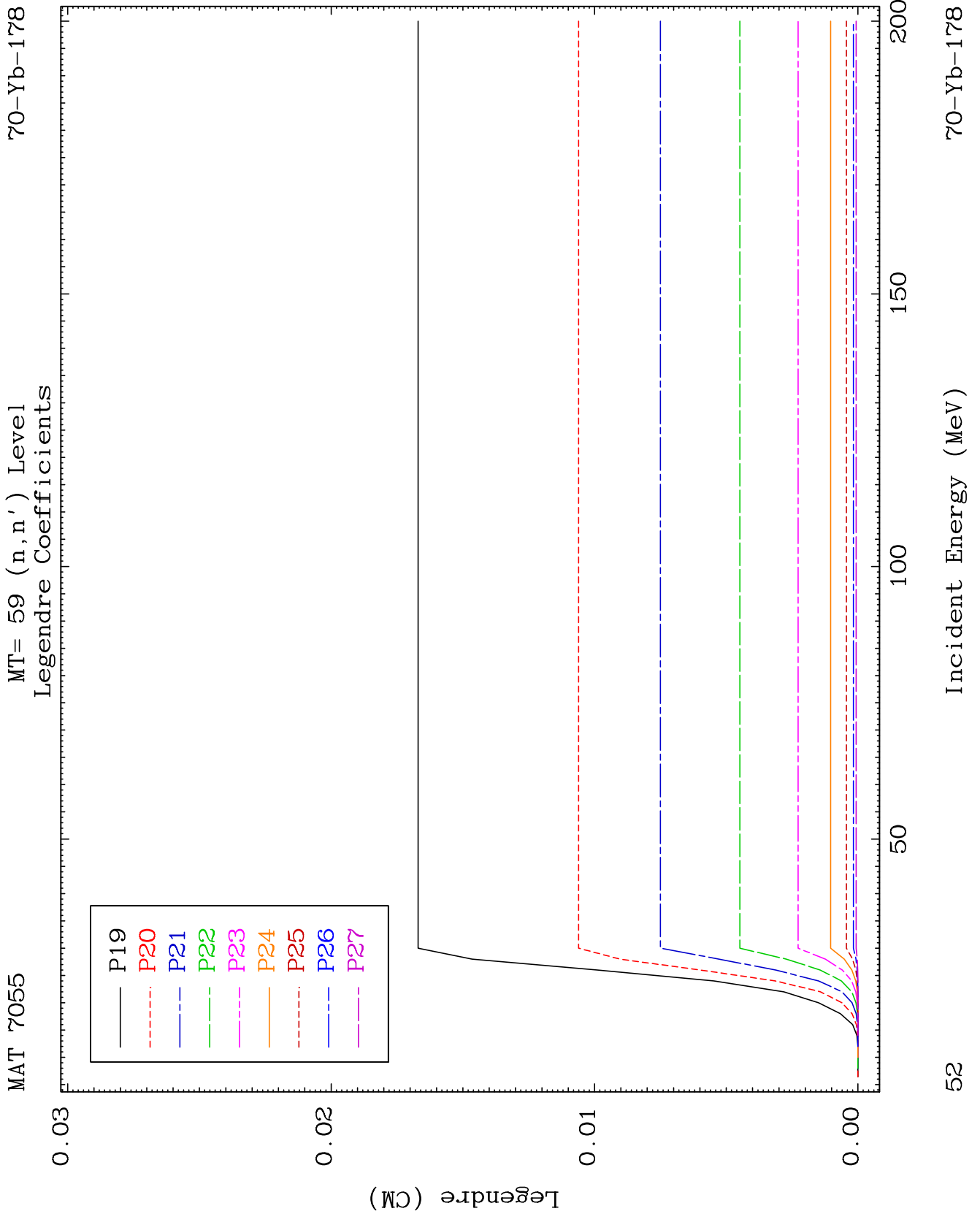
70-Yb-178



51

Incident Energy (MeV)

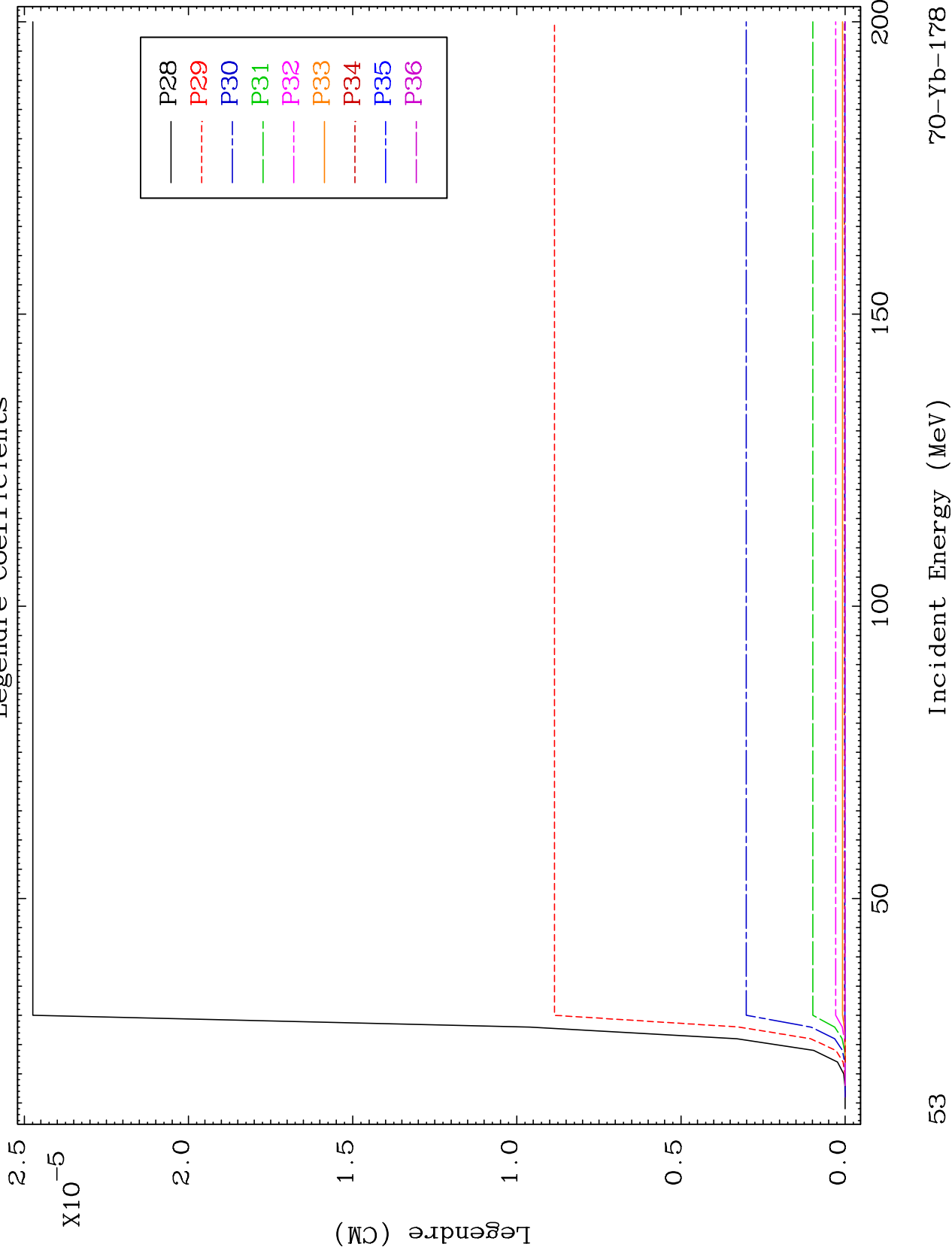
70-Yb-178



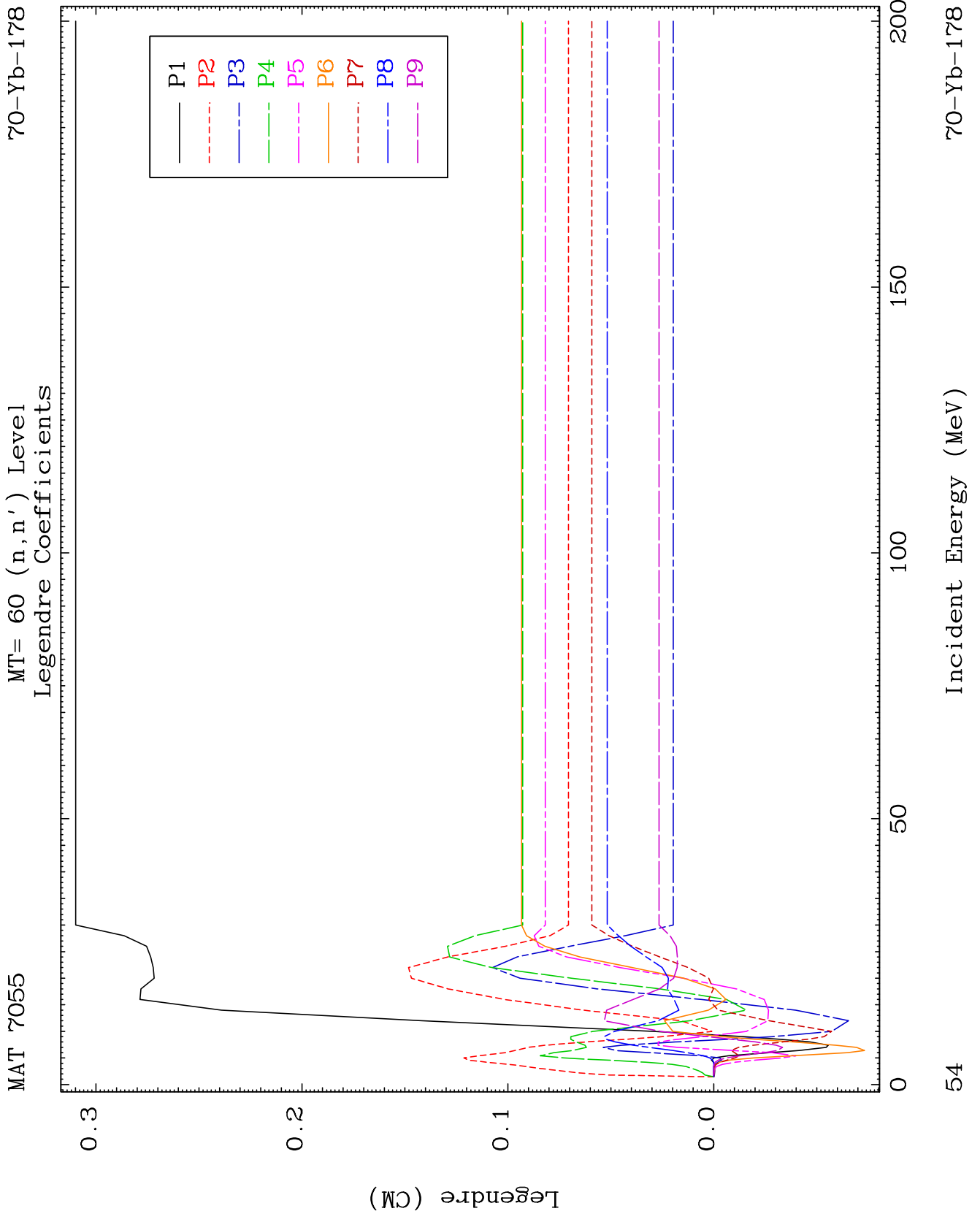
MAT 7055

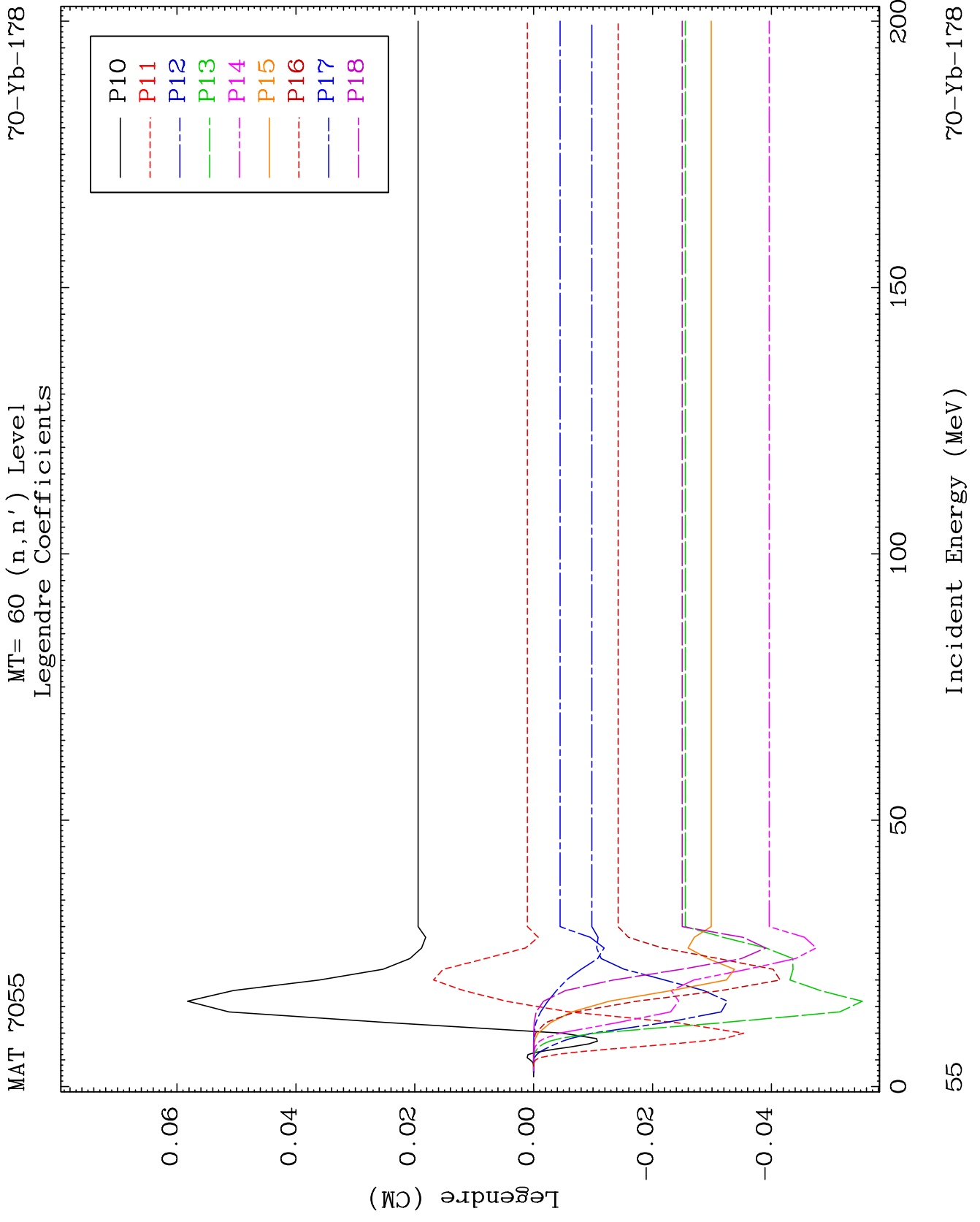
MT= 59 (n,n') Level  
Legendre Coefficients

70-Yb-178

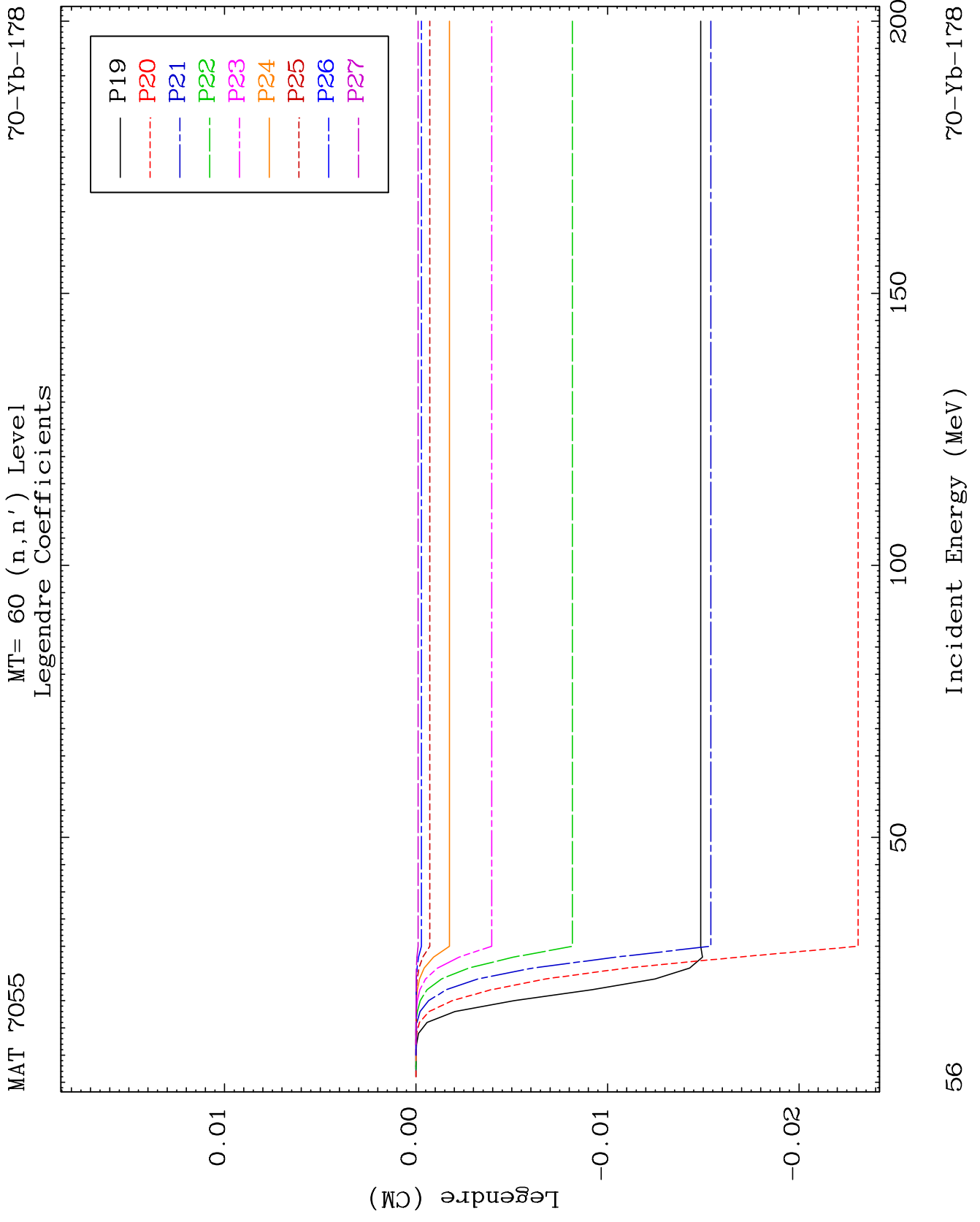


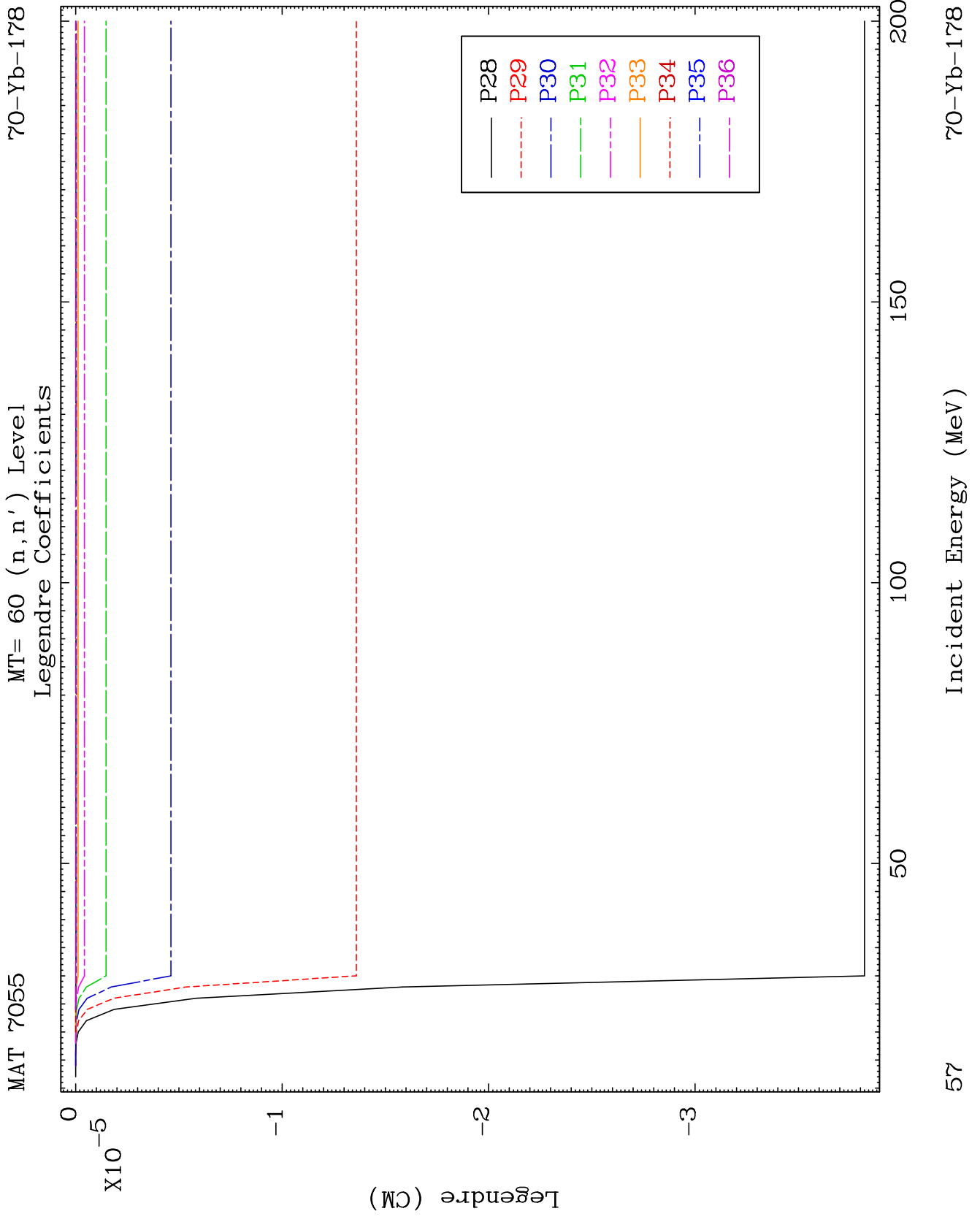
53







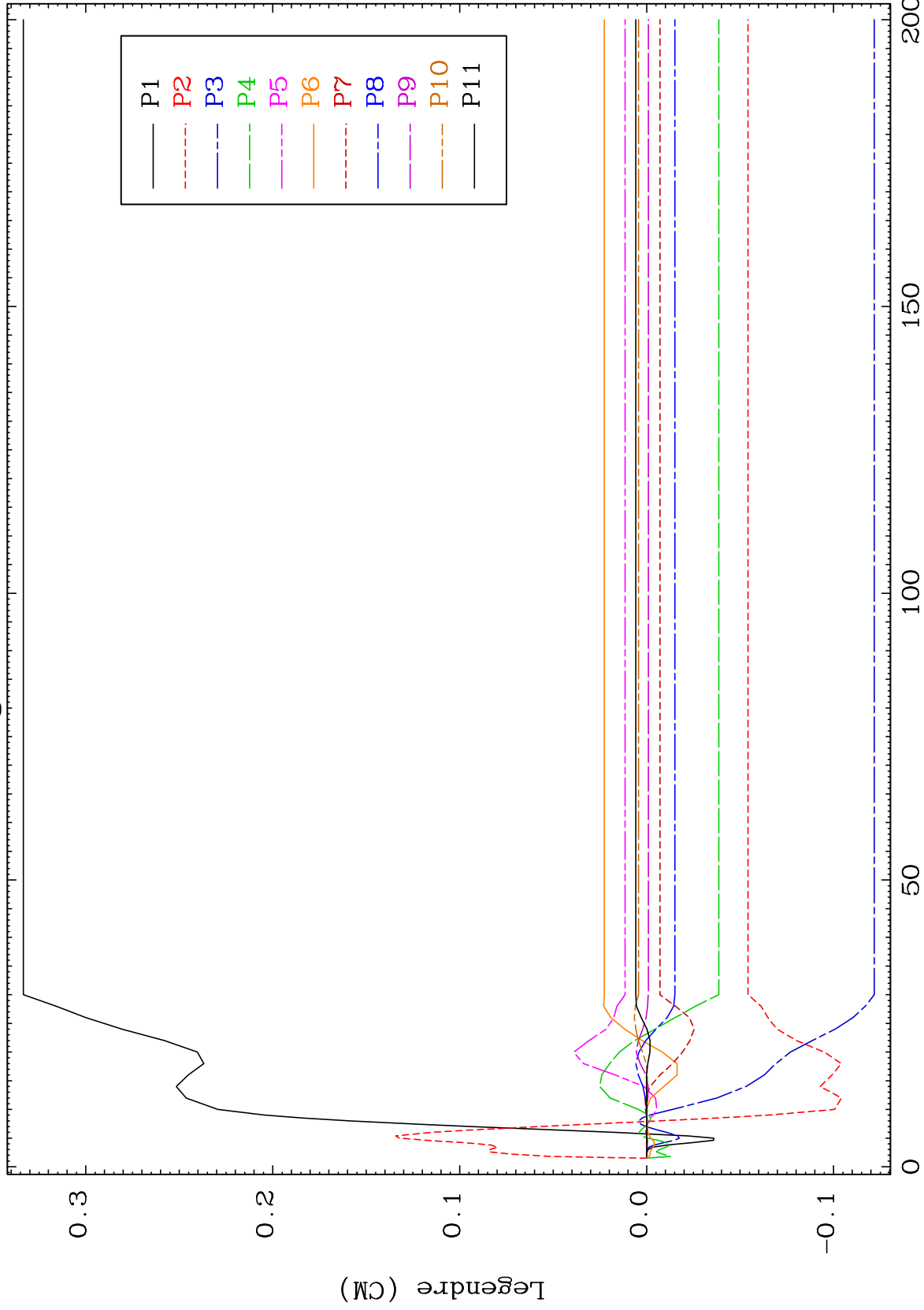




MAT 7055

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

70-Yb-178



58

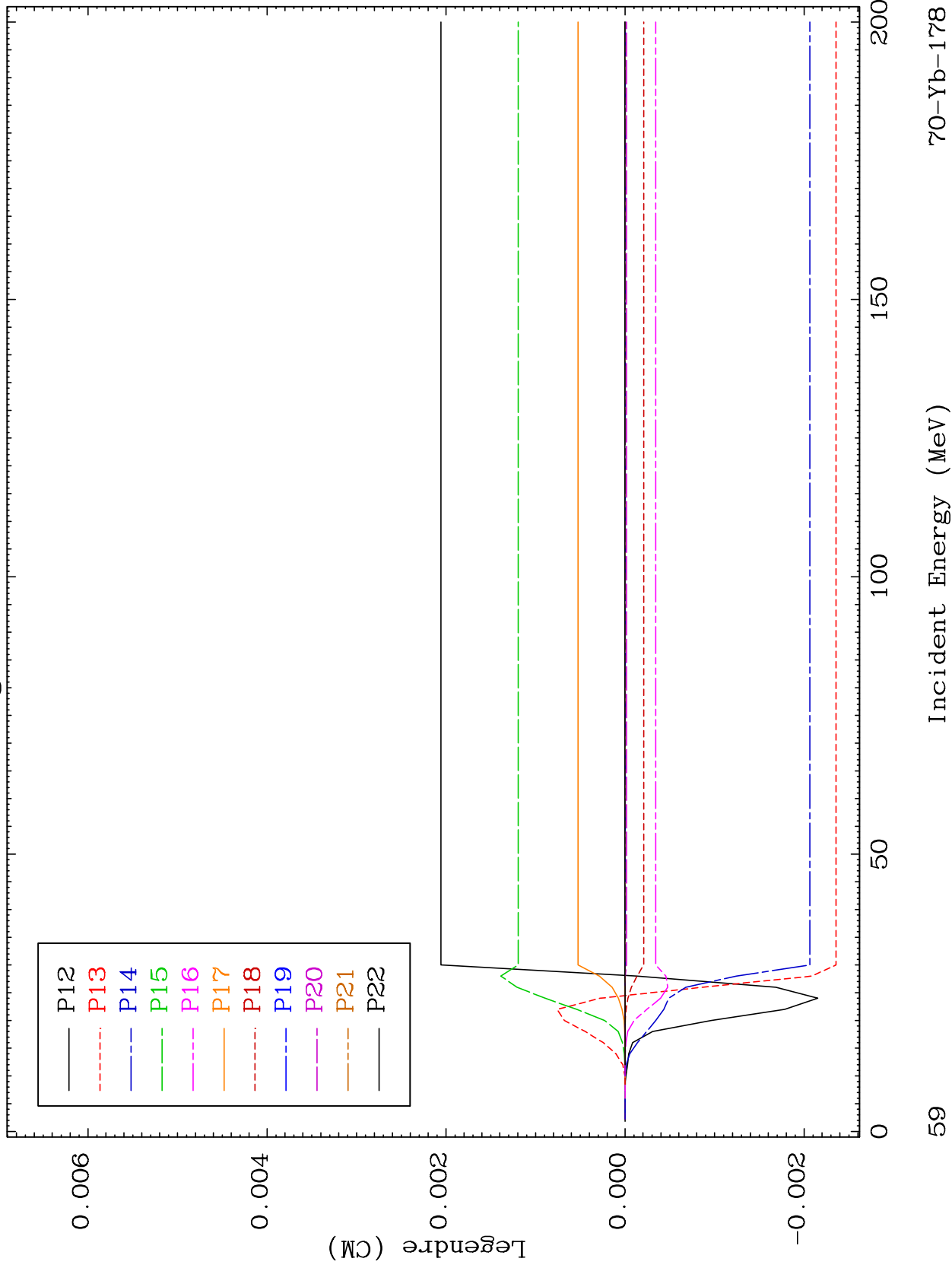
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



59

Incident Energy (MeV)

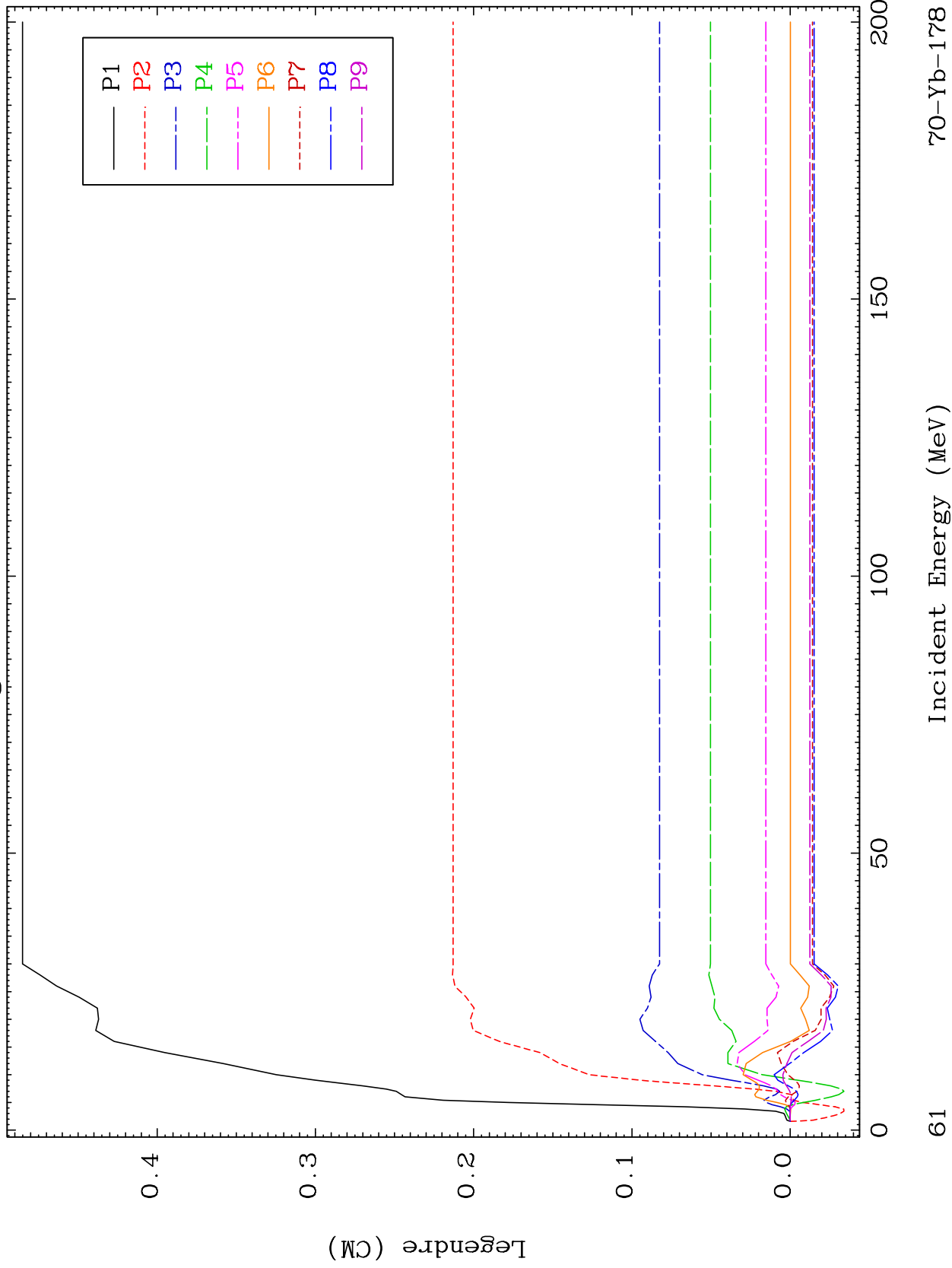
70-Yb-178



MAT 7055

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

70-Yb-178



61

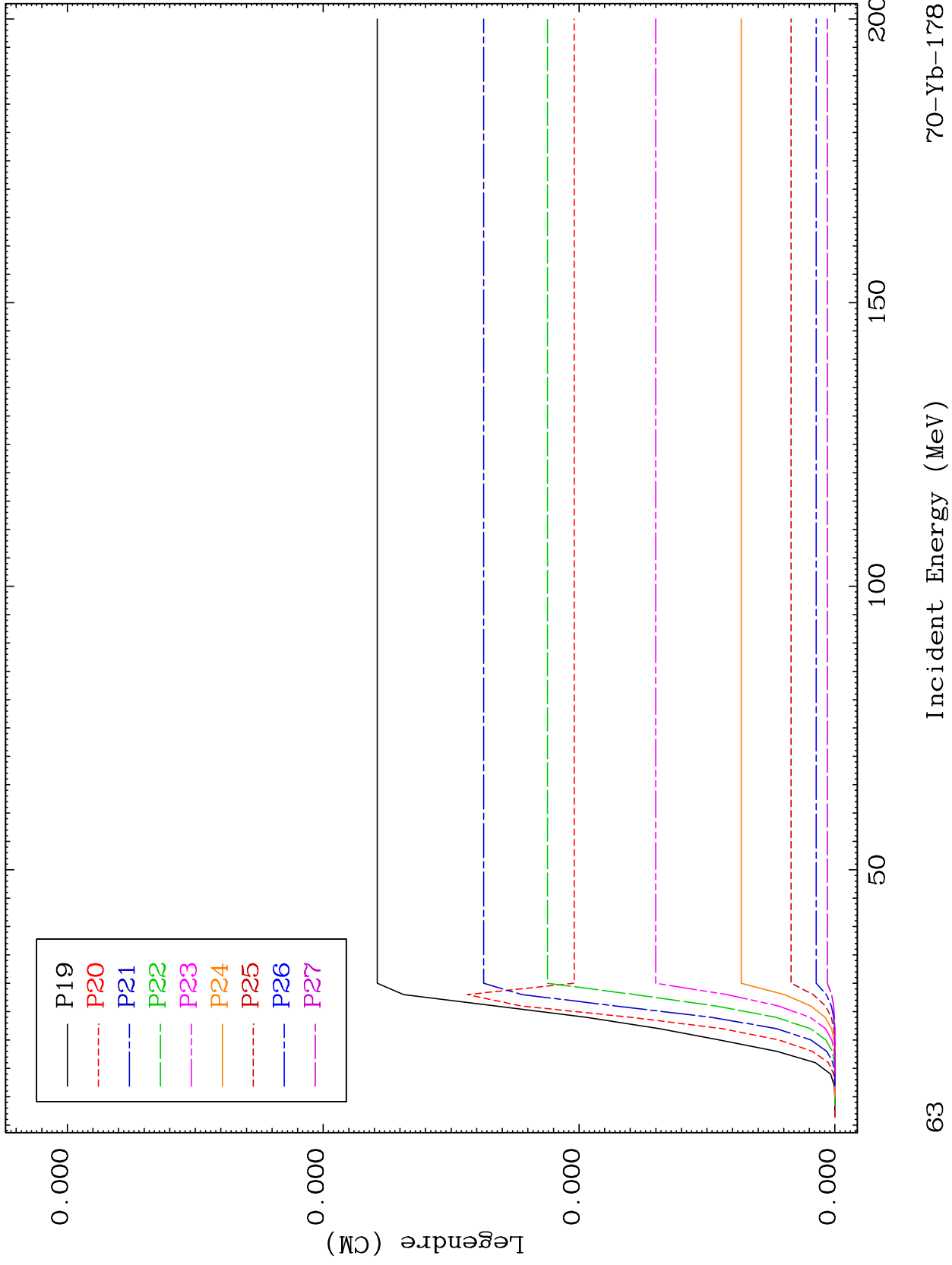
70-Yb-178



MAT 7055

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

70-Yb-178

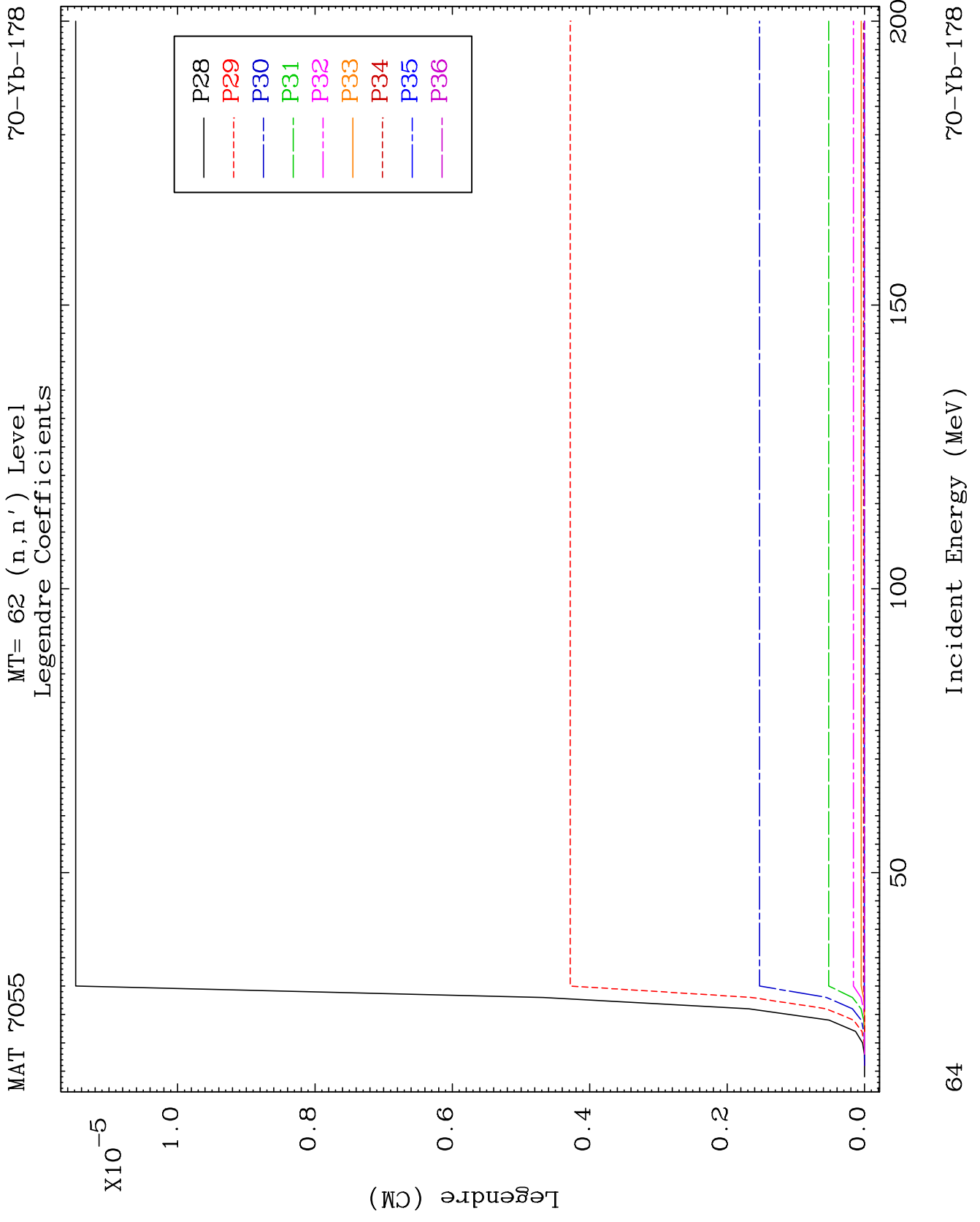


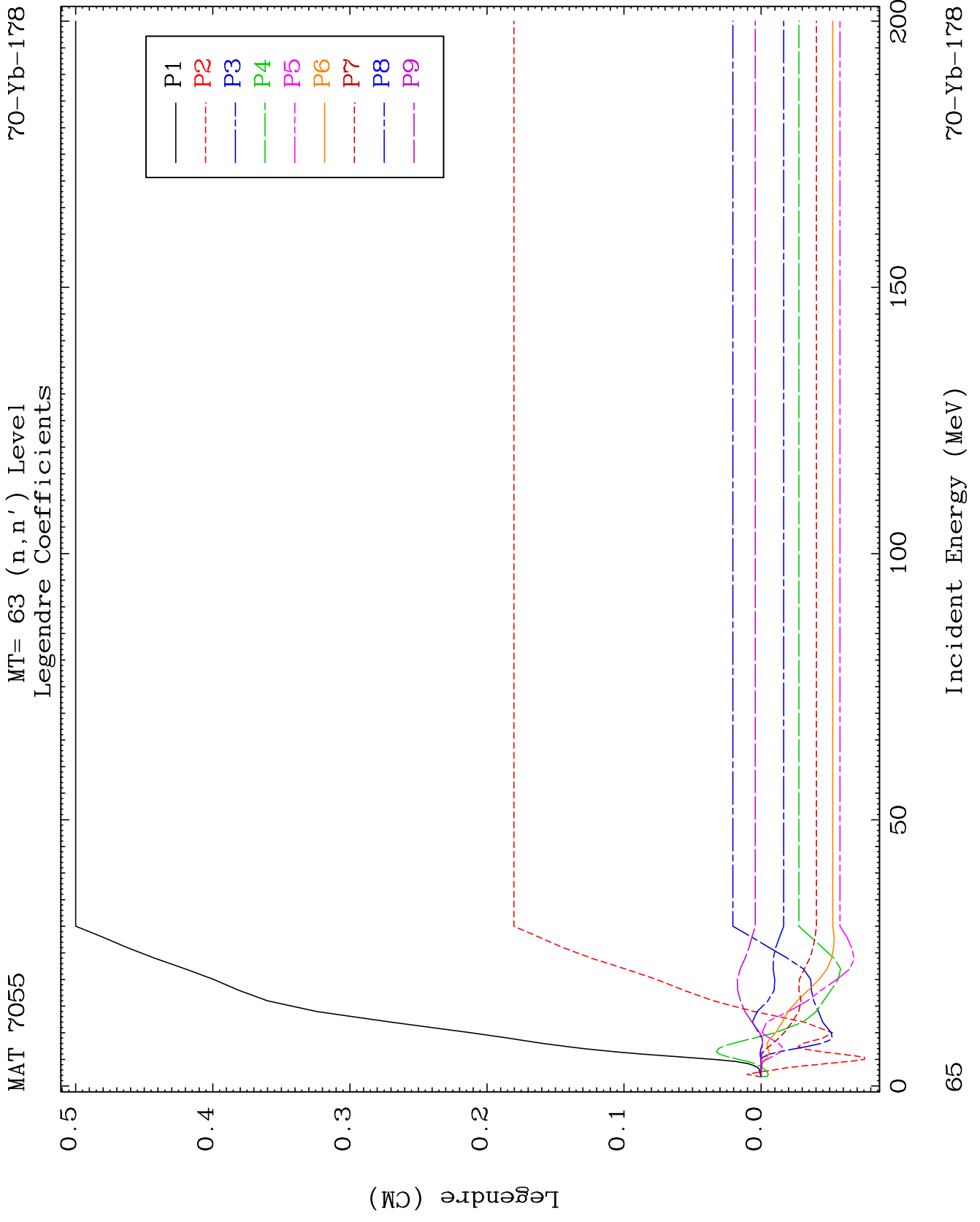
63

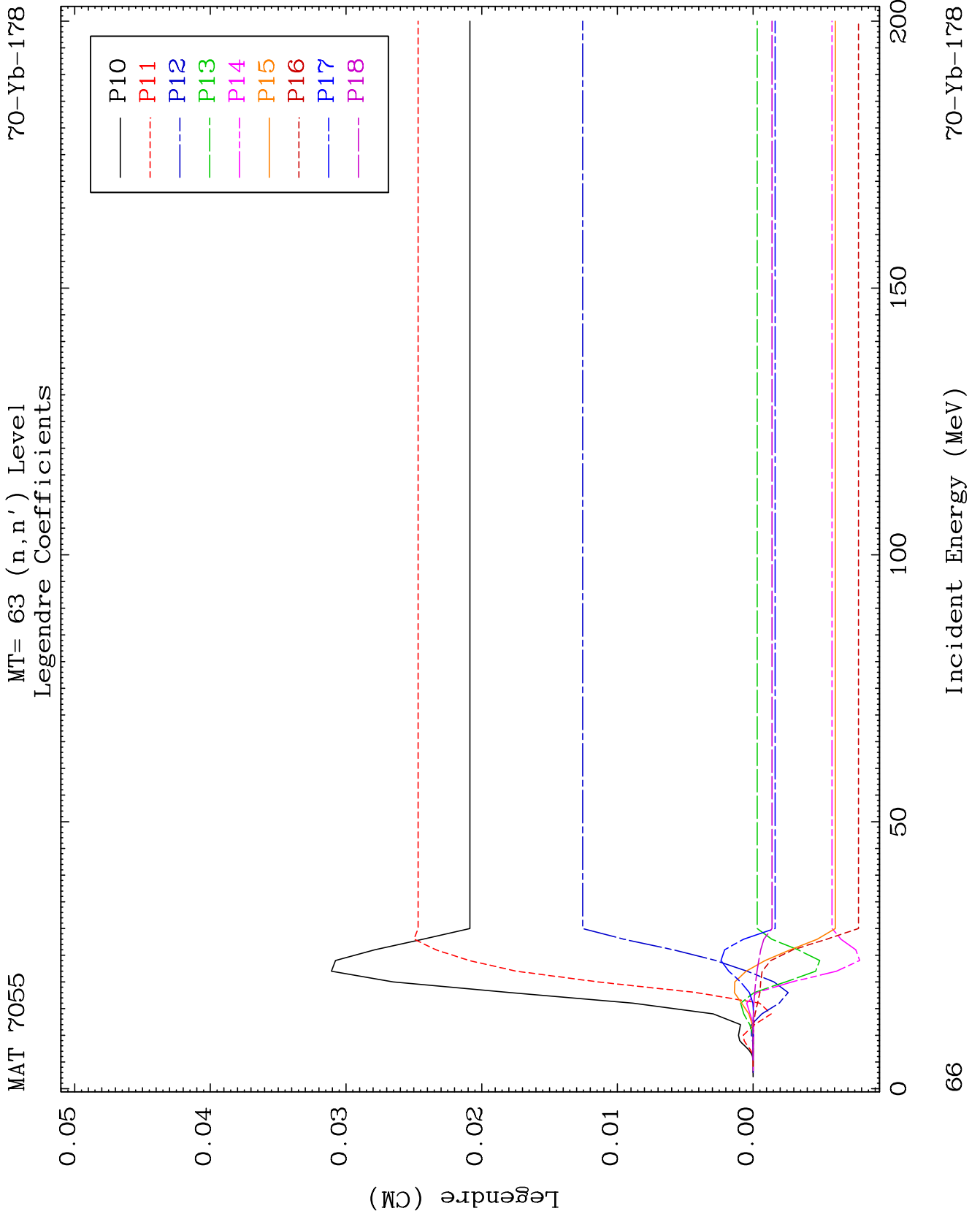
Incident Energy (MeV)

70-Yb-178





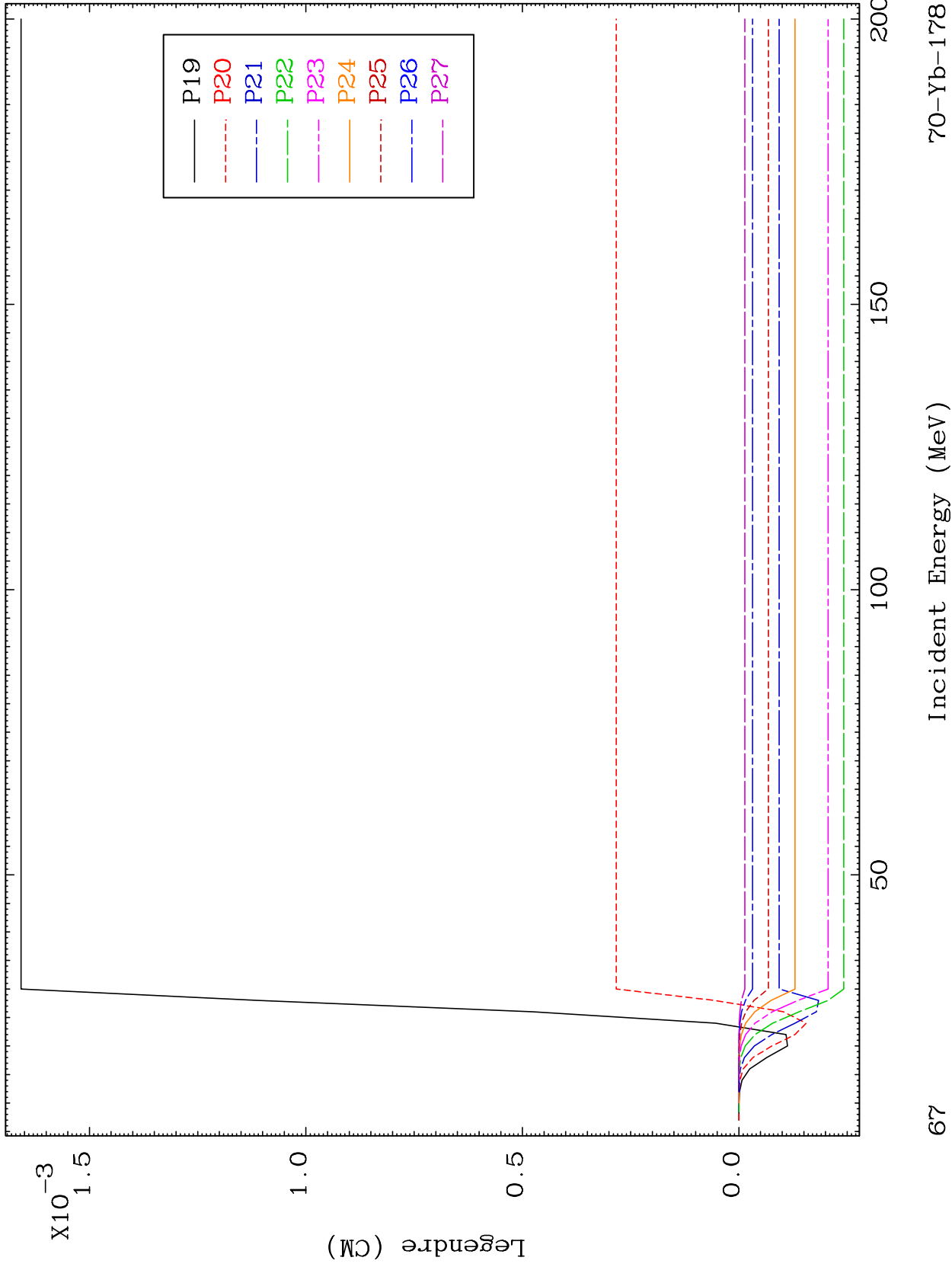




MAT 7055

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

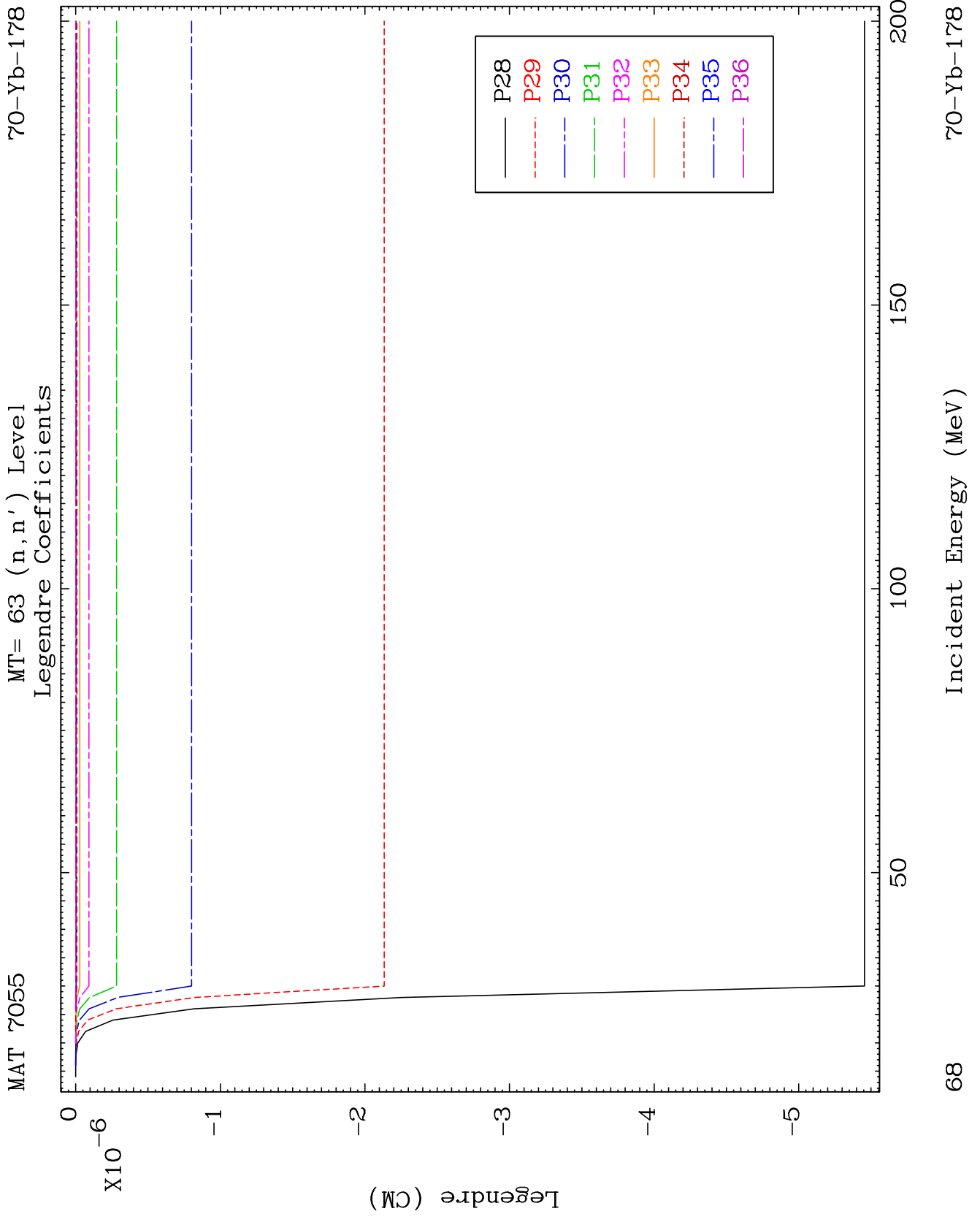
70-Yb-178



67

Incident Energy (MeV)

70-Yb-178

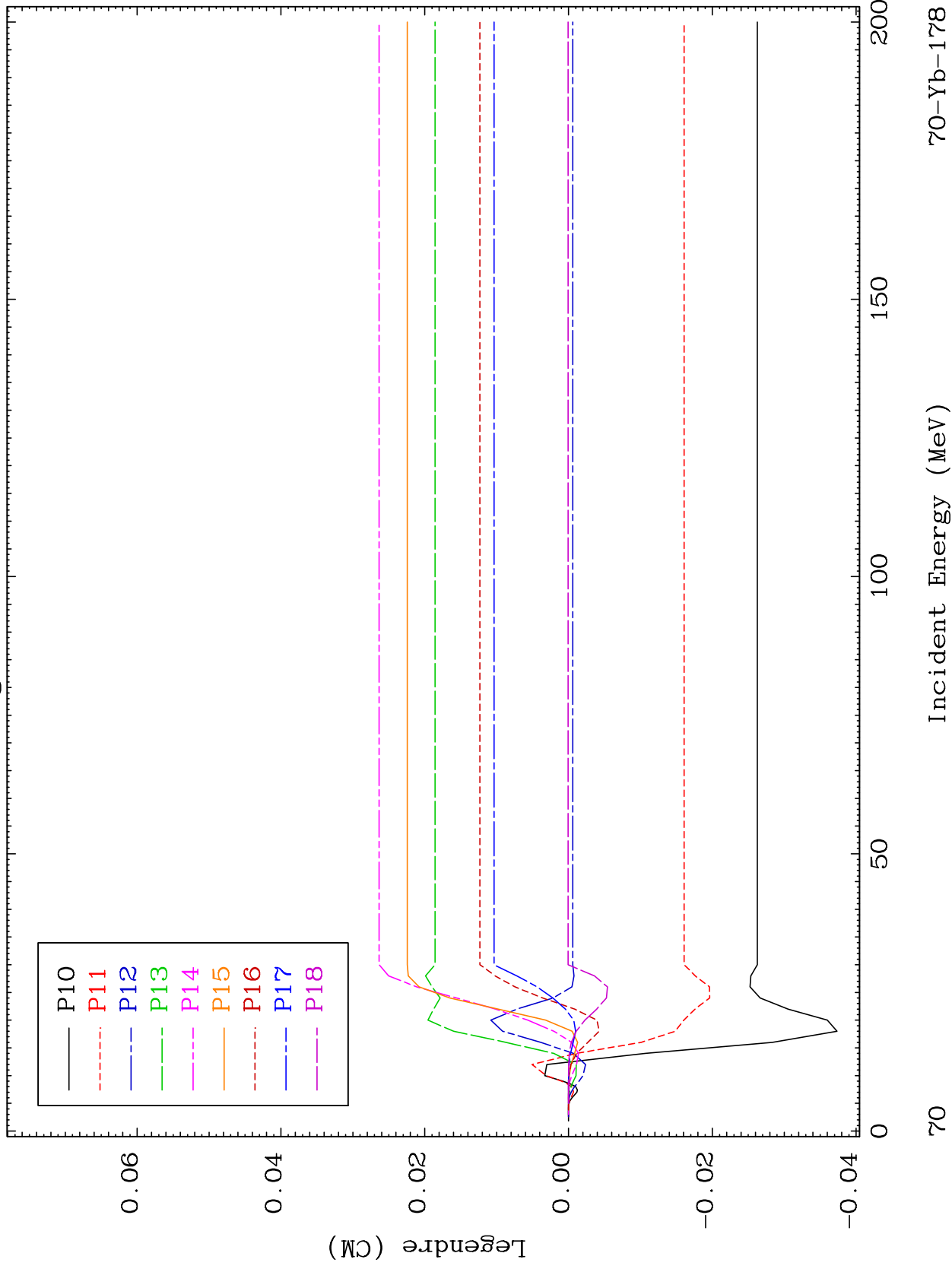




MAT 7055

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

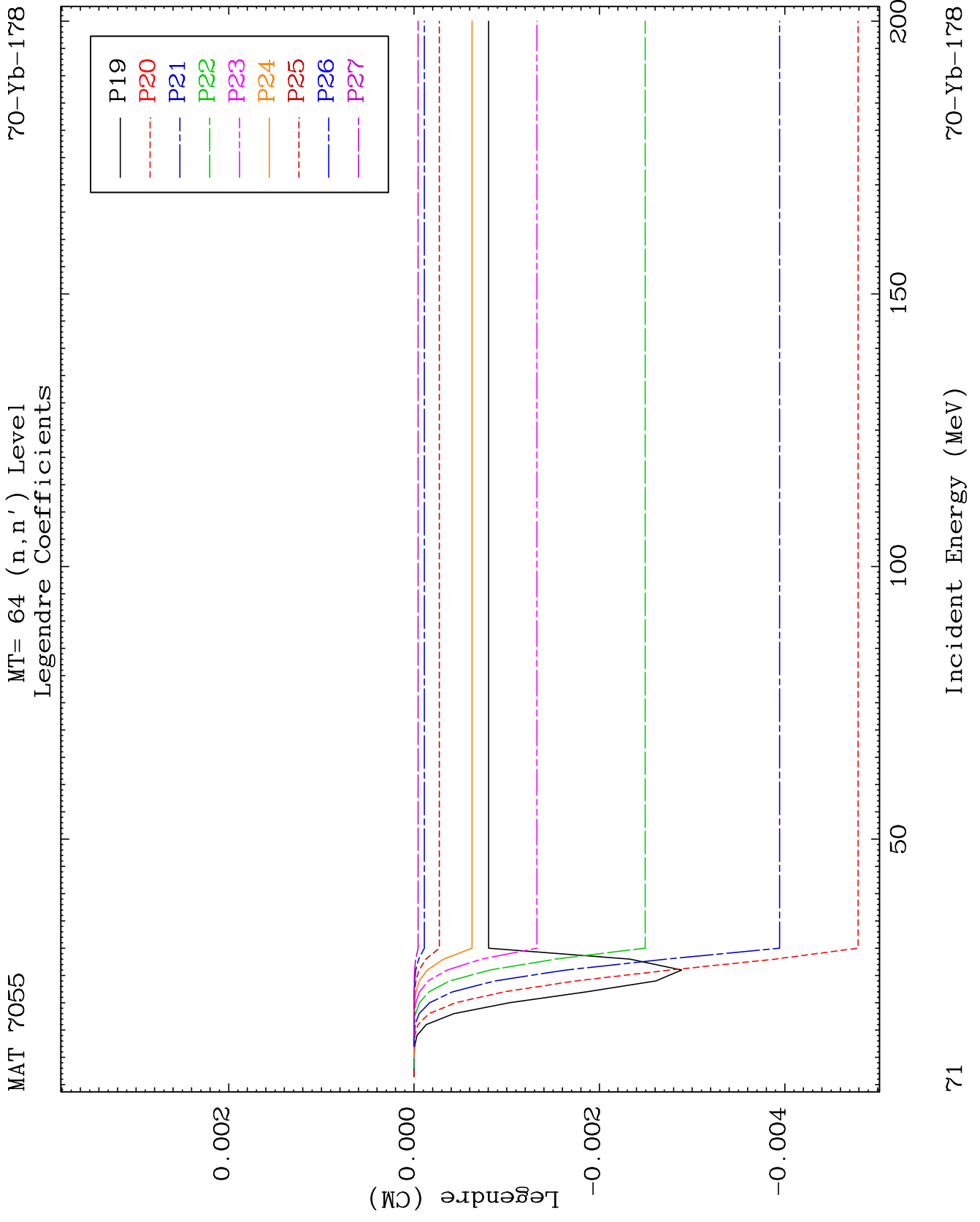
70-Yb-178



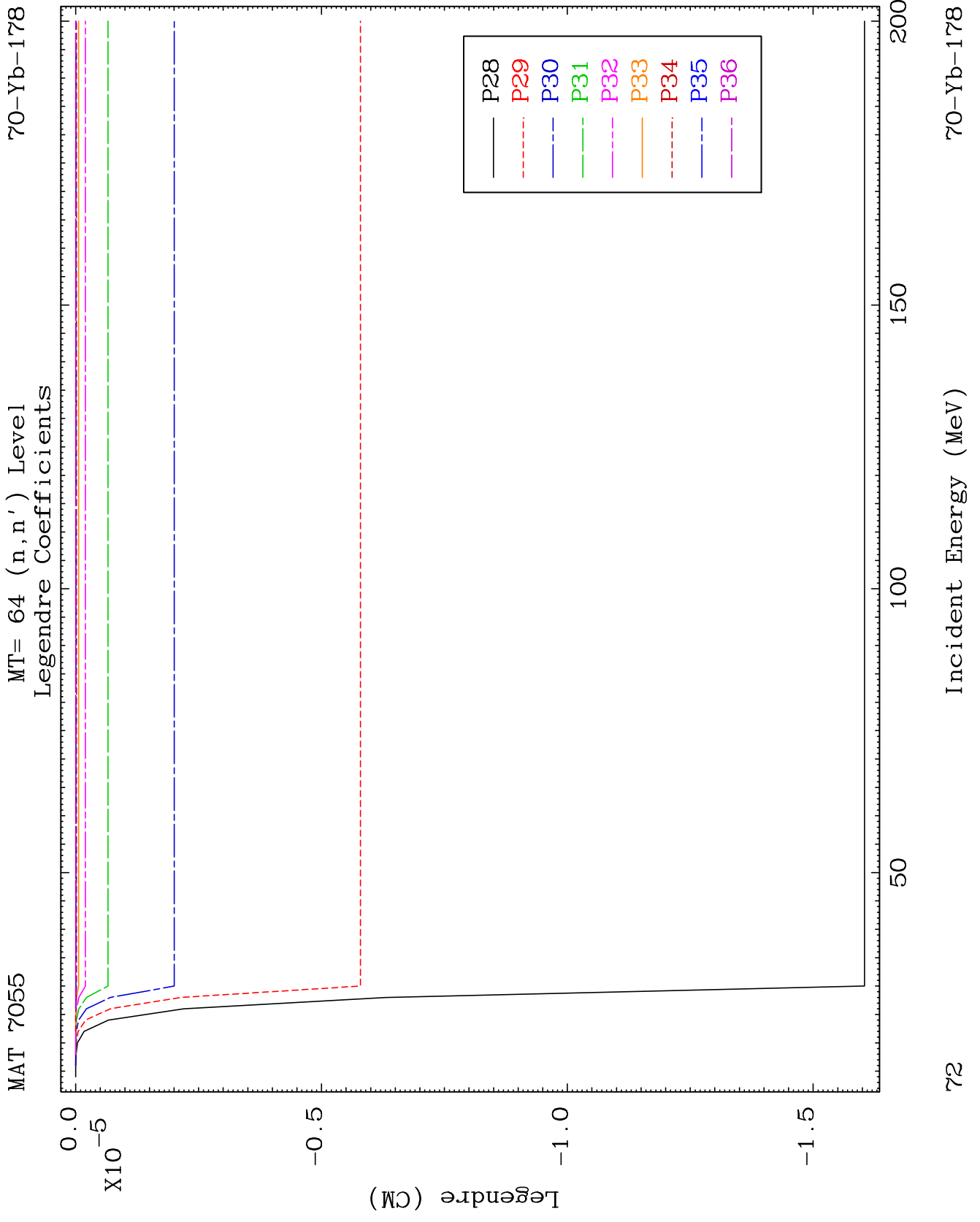
70-Yb-178

Incident Energy (MeV)

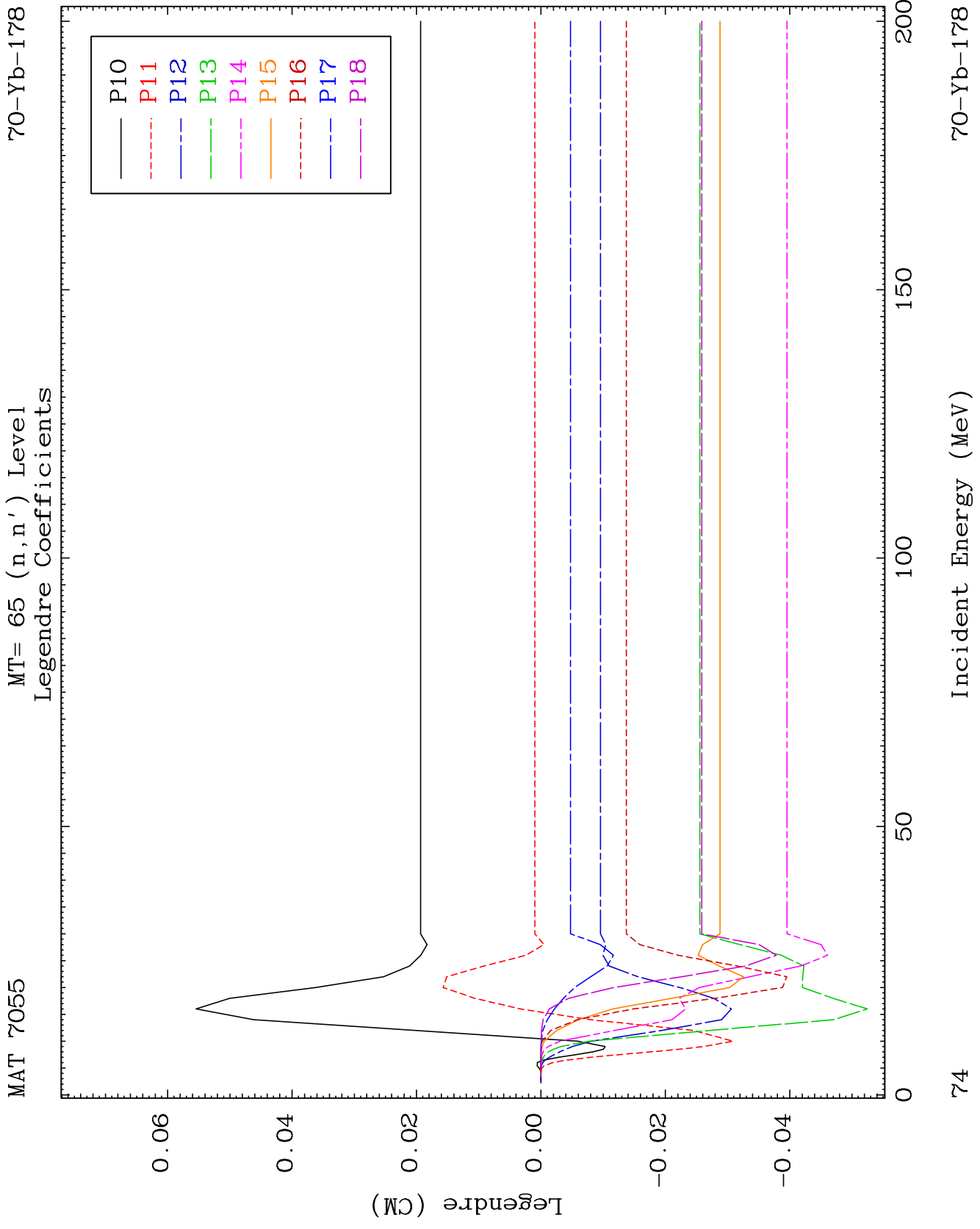
70

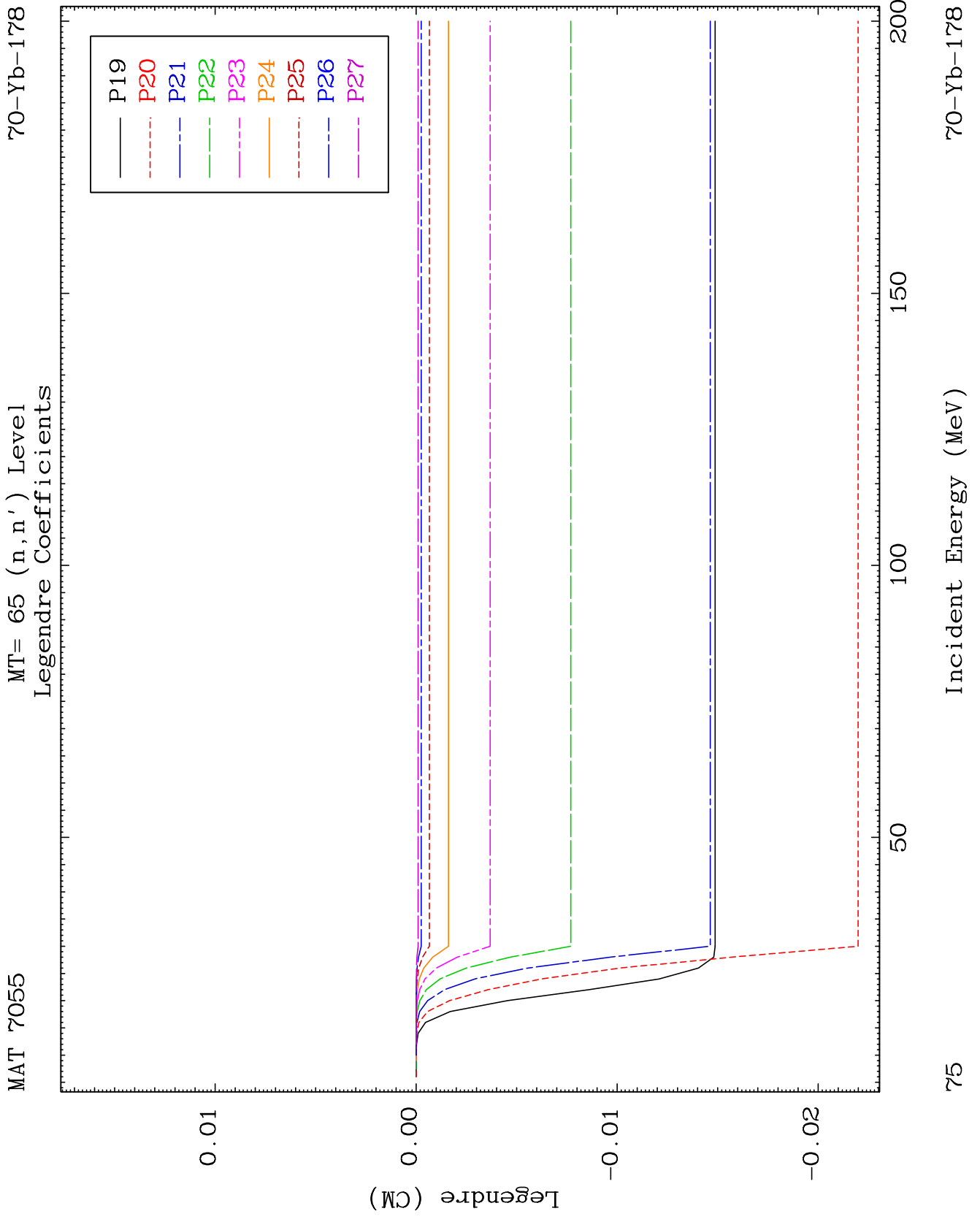


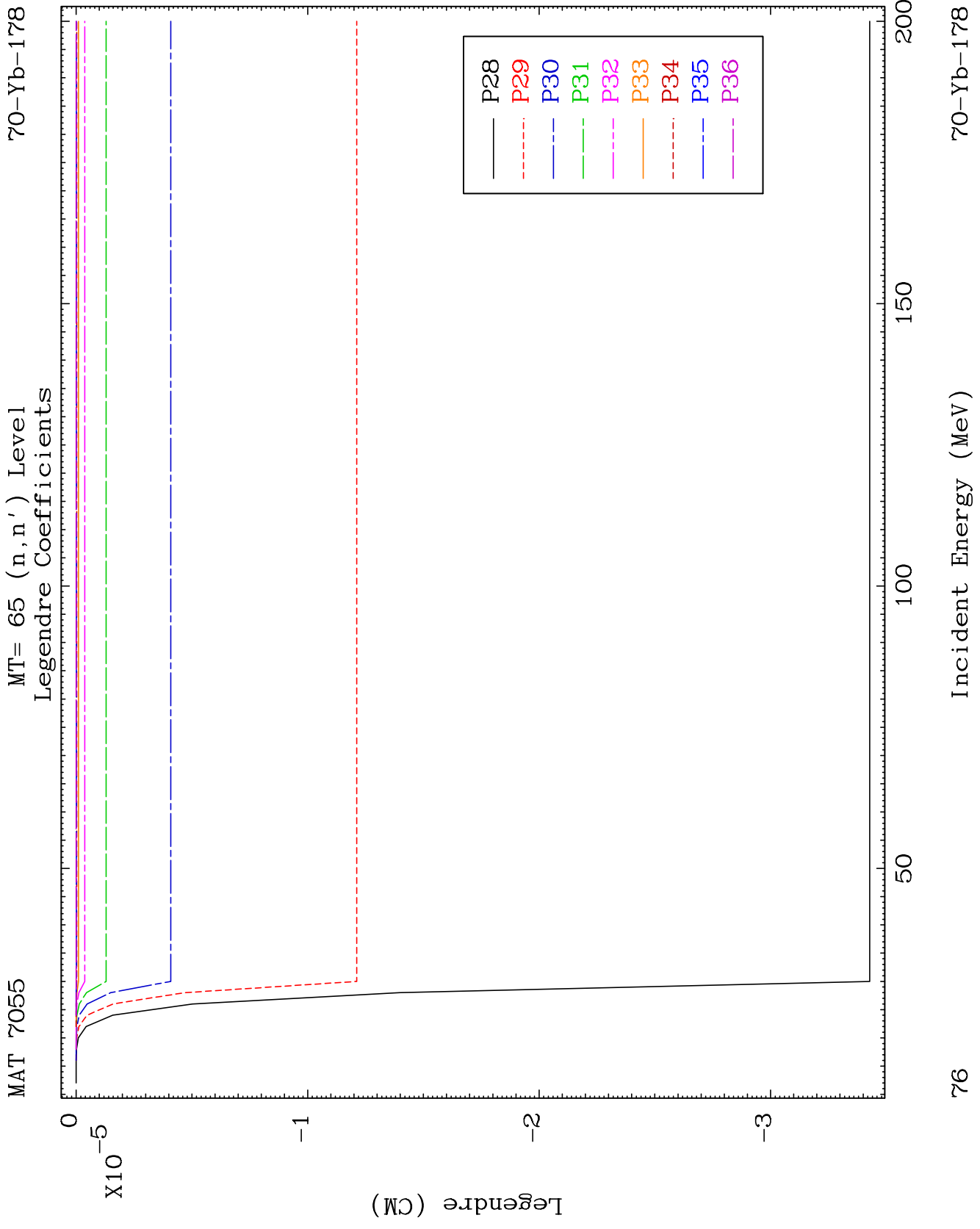


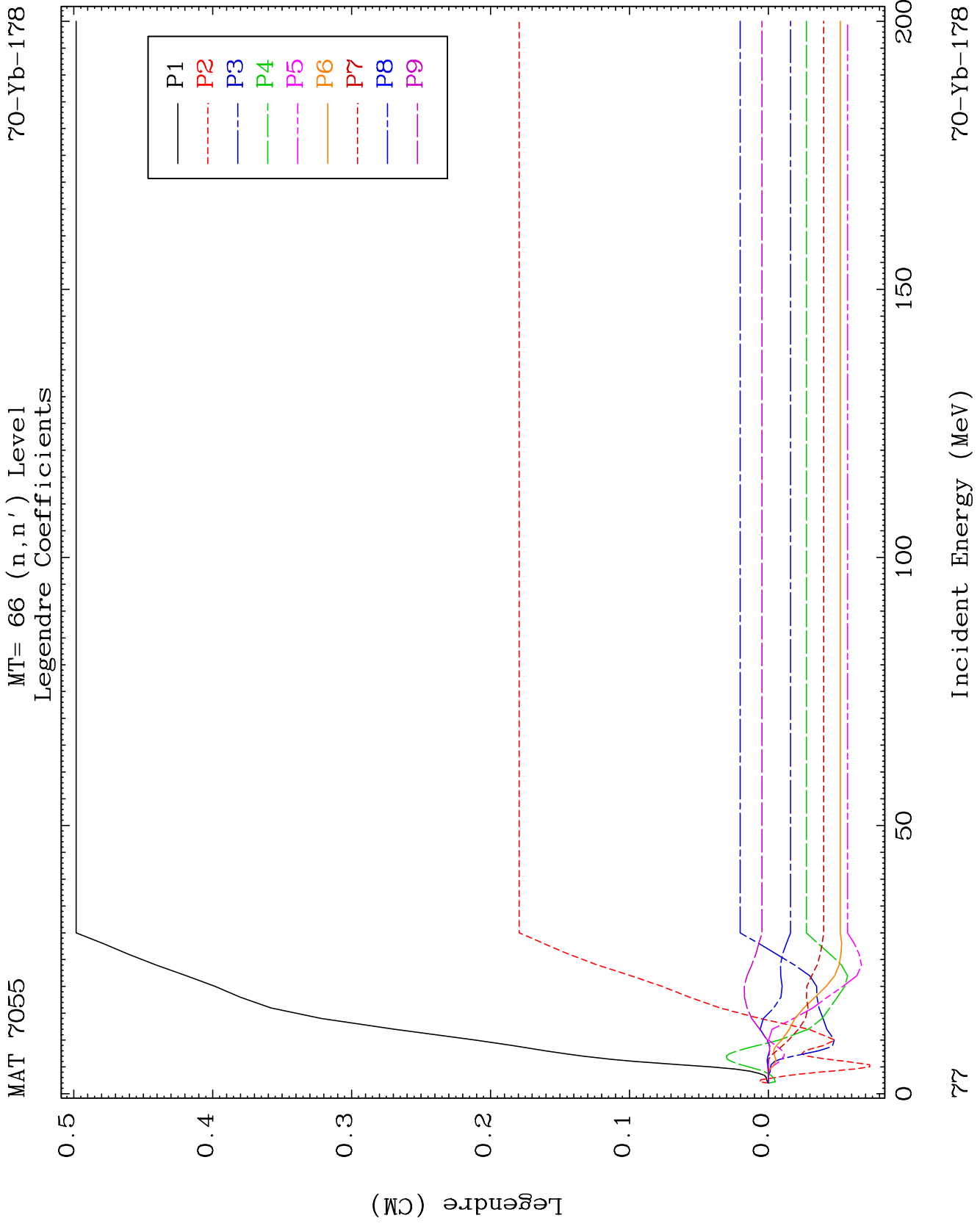


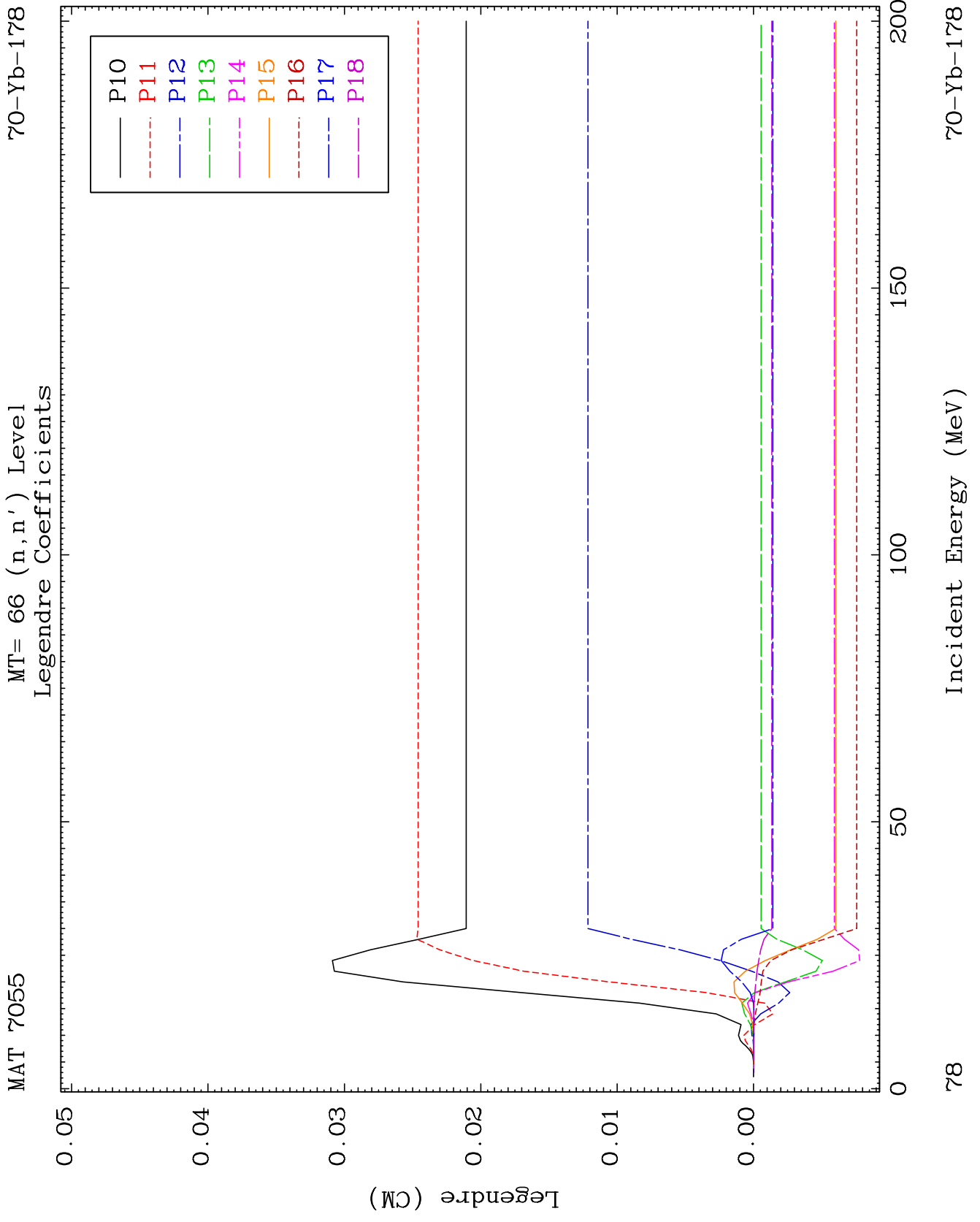








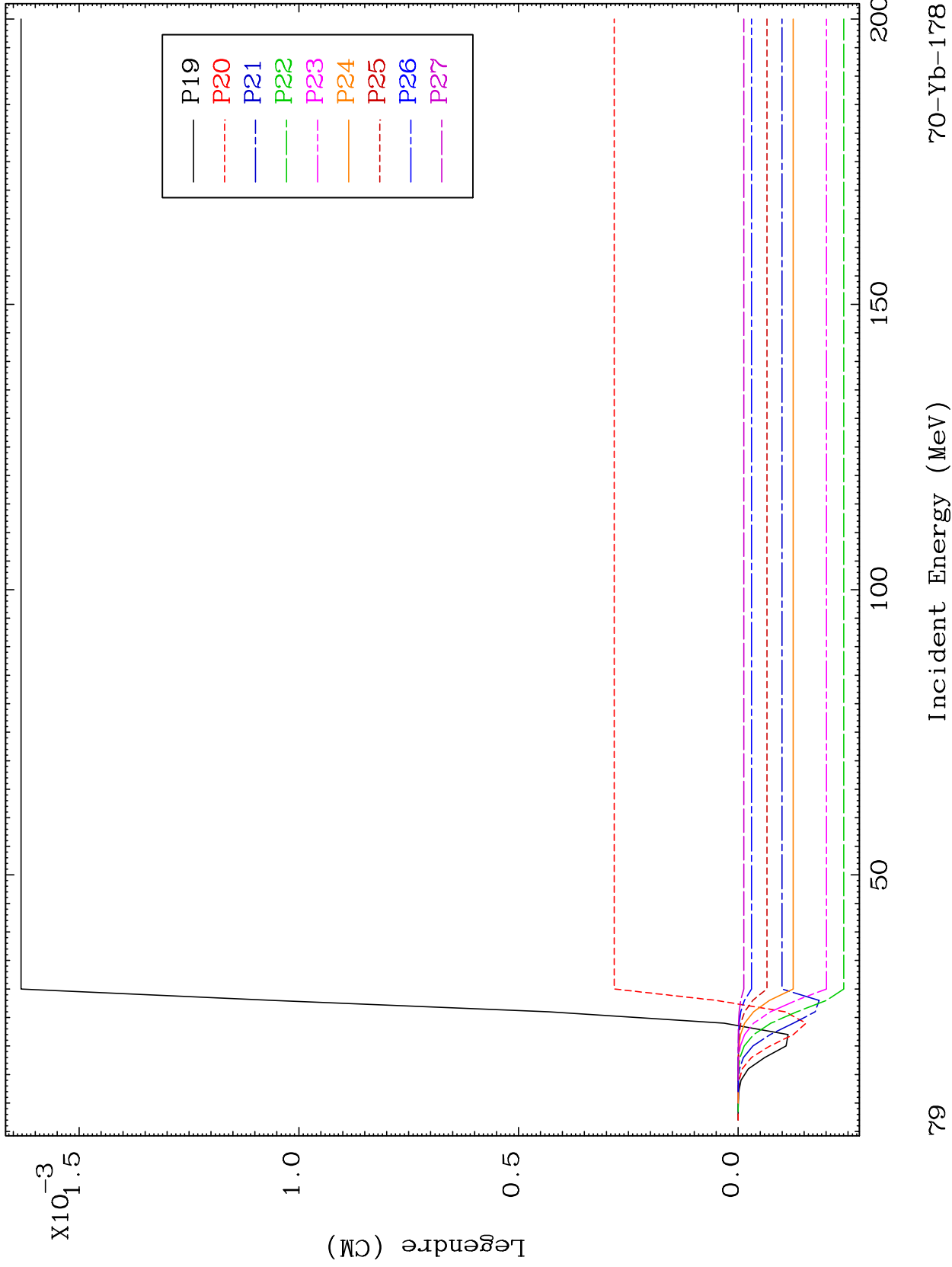




MAT 7055

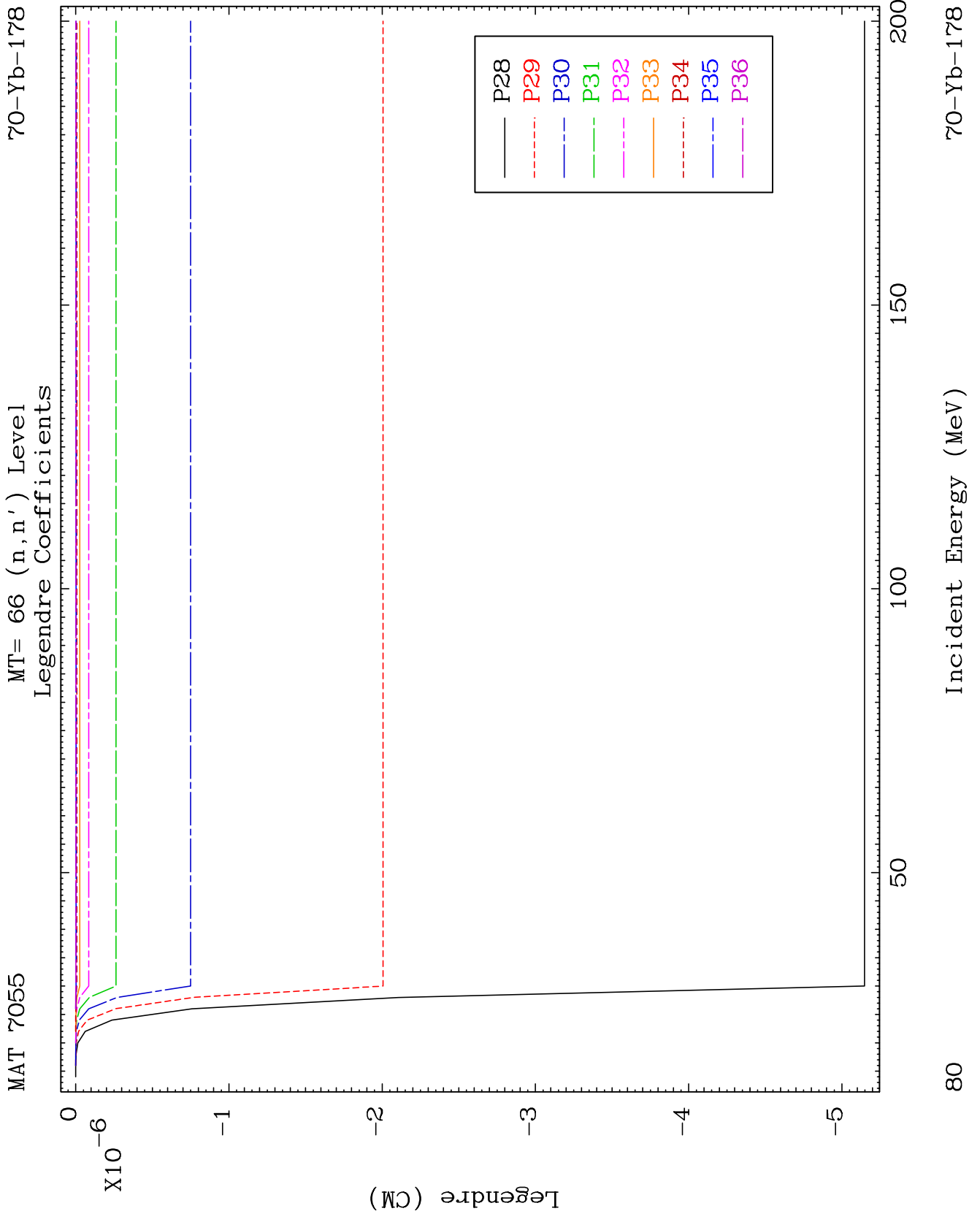
MT= 66 (n,n') Level  
Legendre Coefficients

70-Yb-178



79

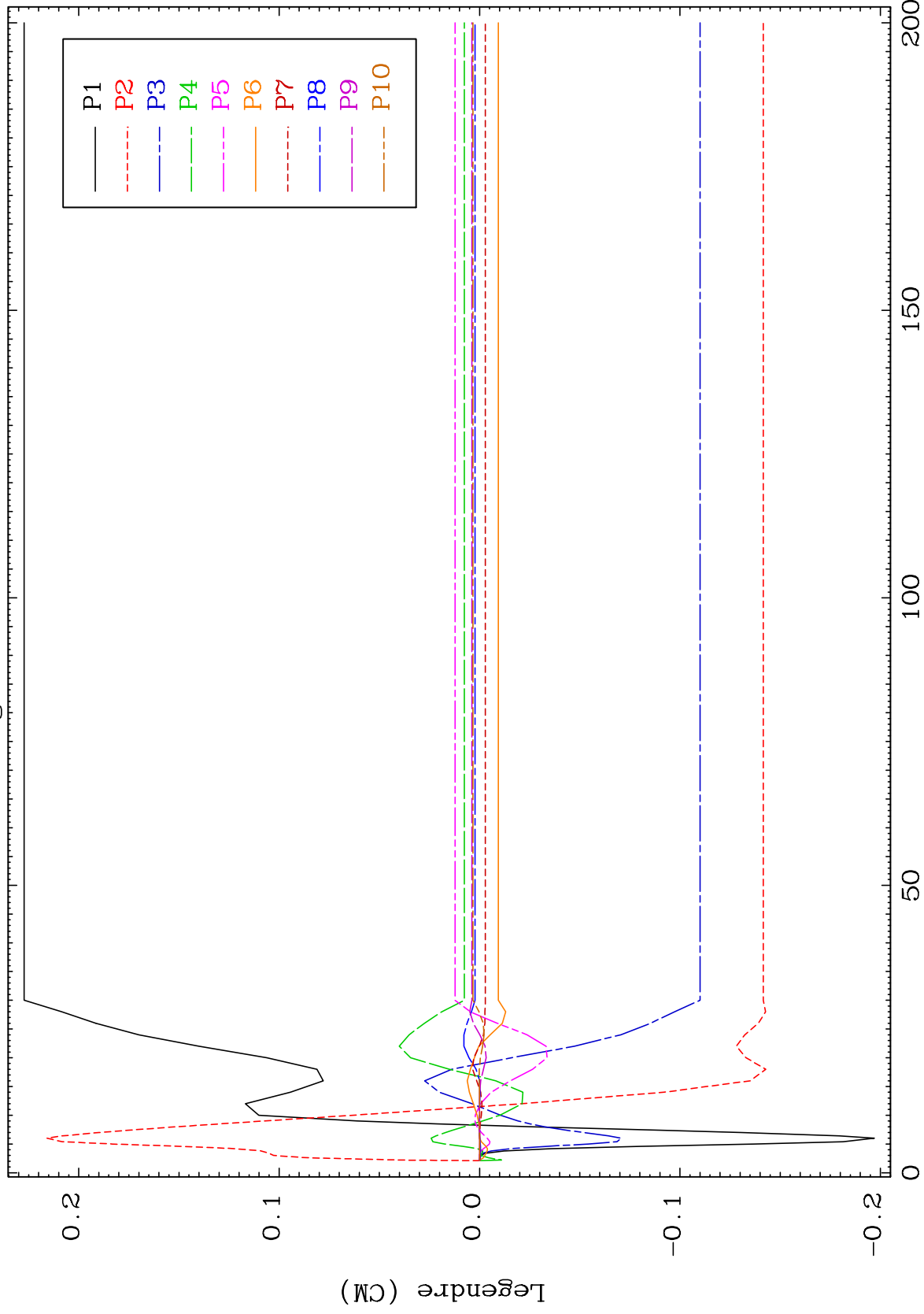




MAT 7055

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

70-Yb-178



81

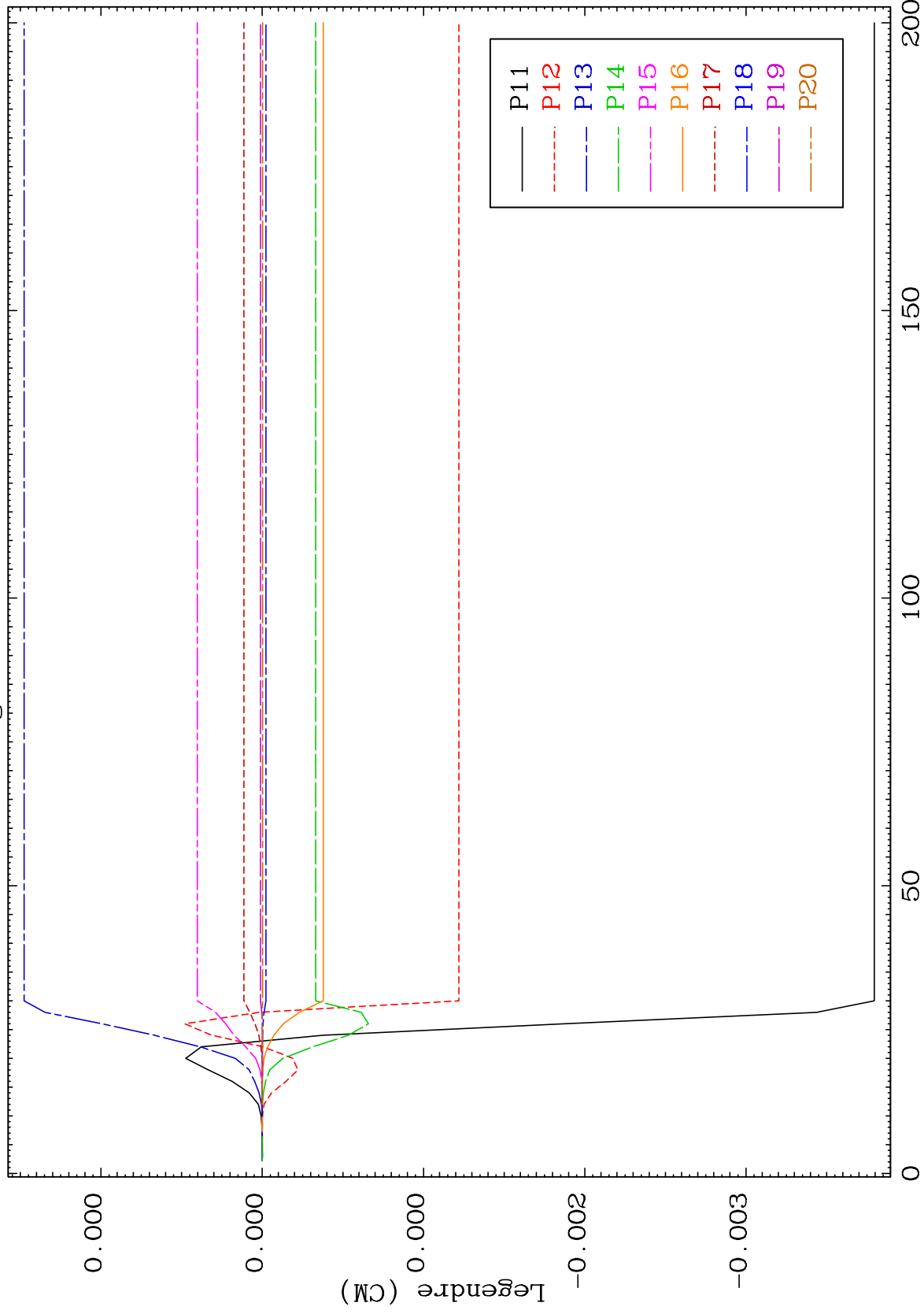
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



82

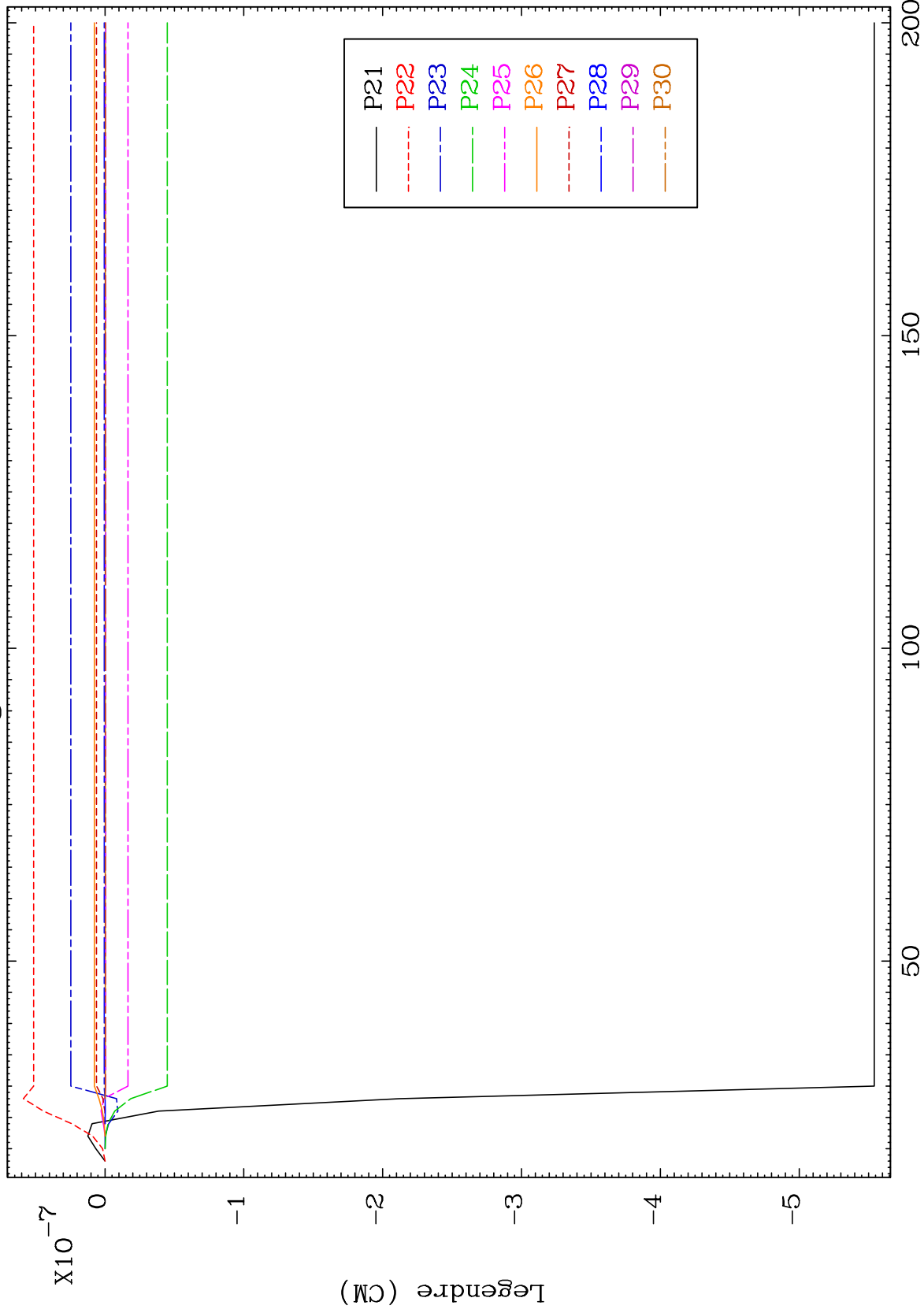
Incident Energy (MeV)

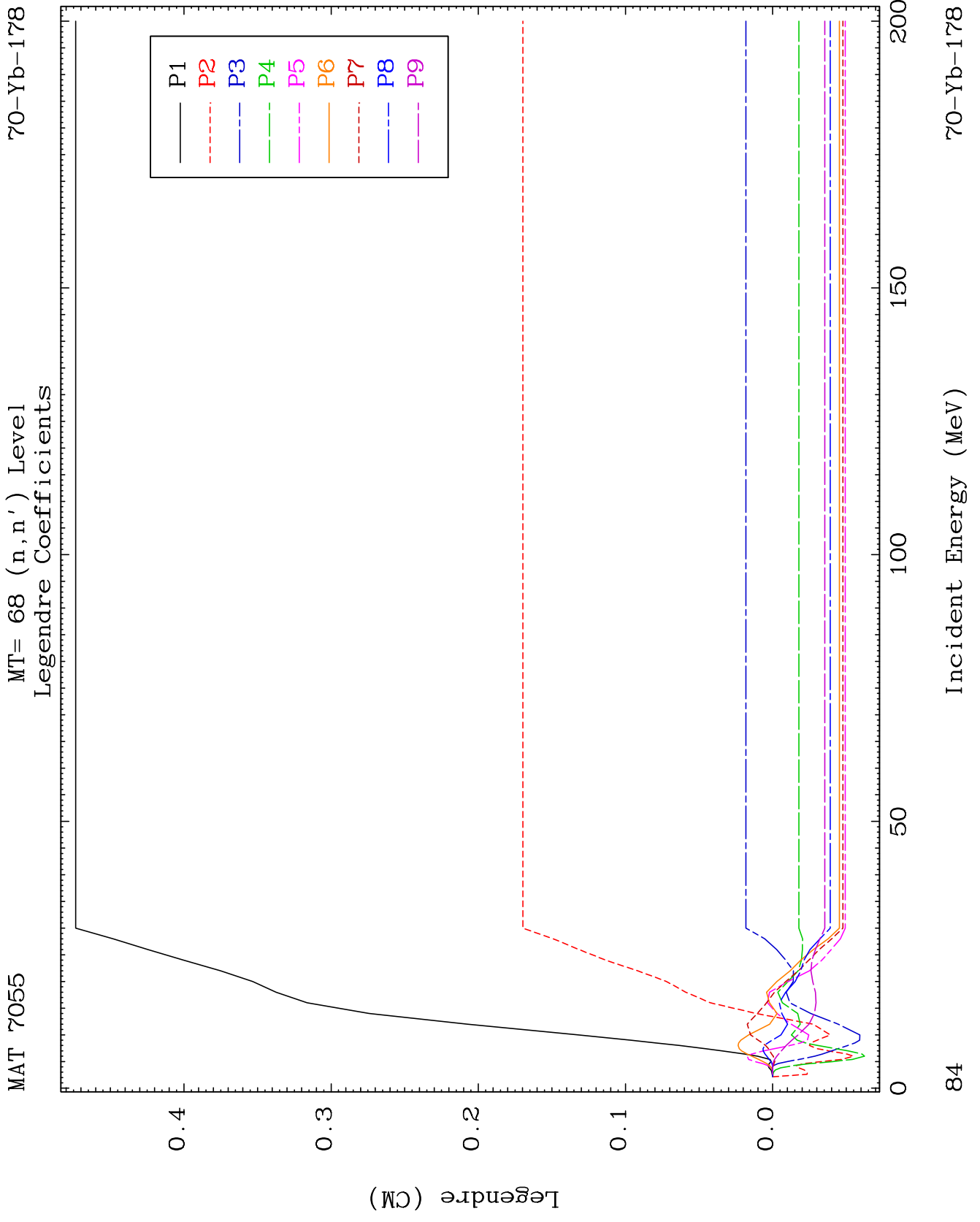
70-Yb-178

MAT 7055

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

70-Yb-178

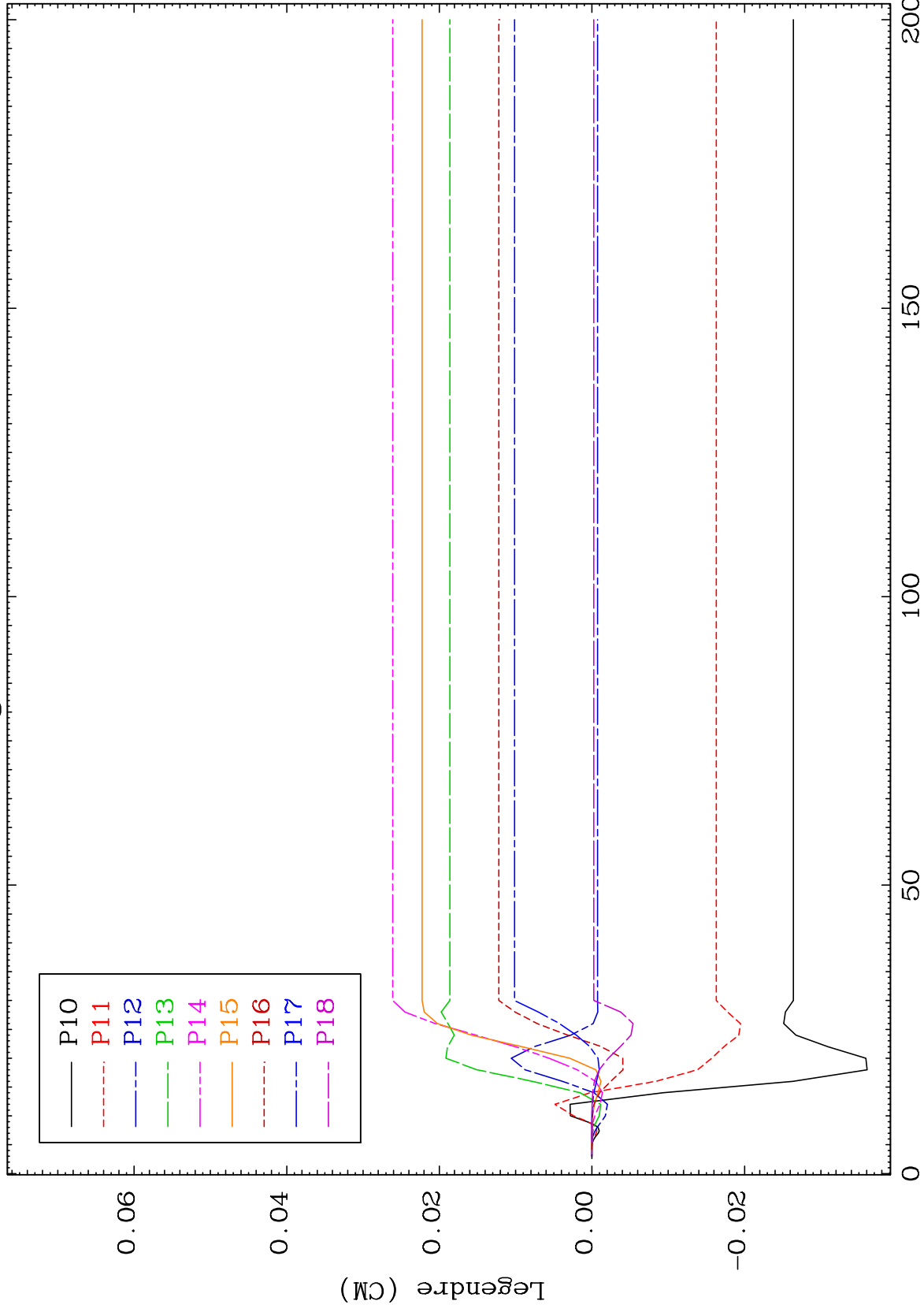




MAT 70555

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

70-Yb-178



85

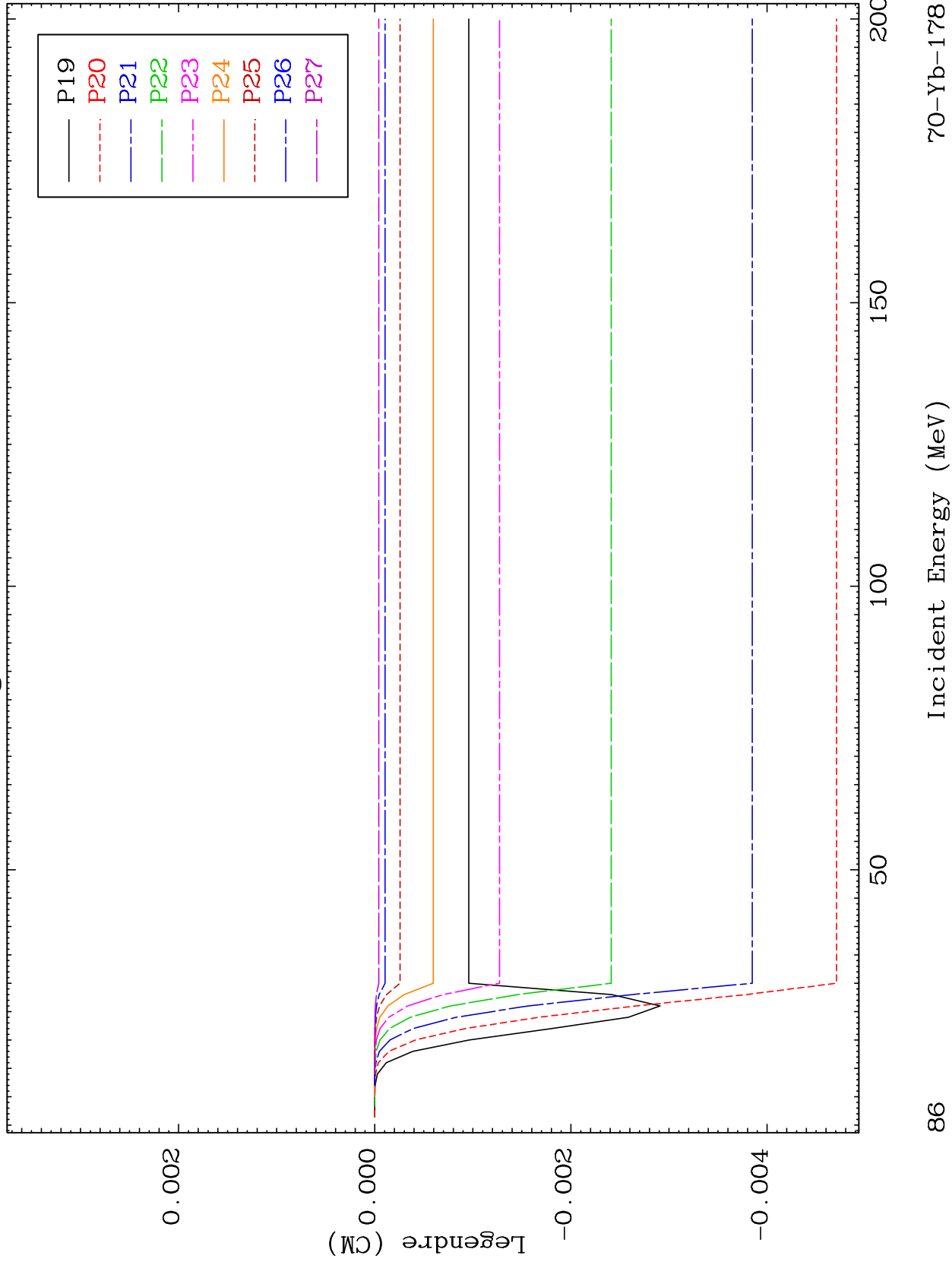
Incident Energy (MeV)

70-Yb-178

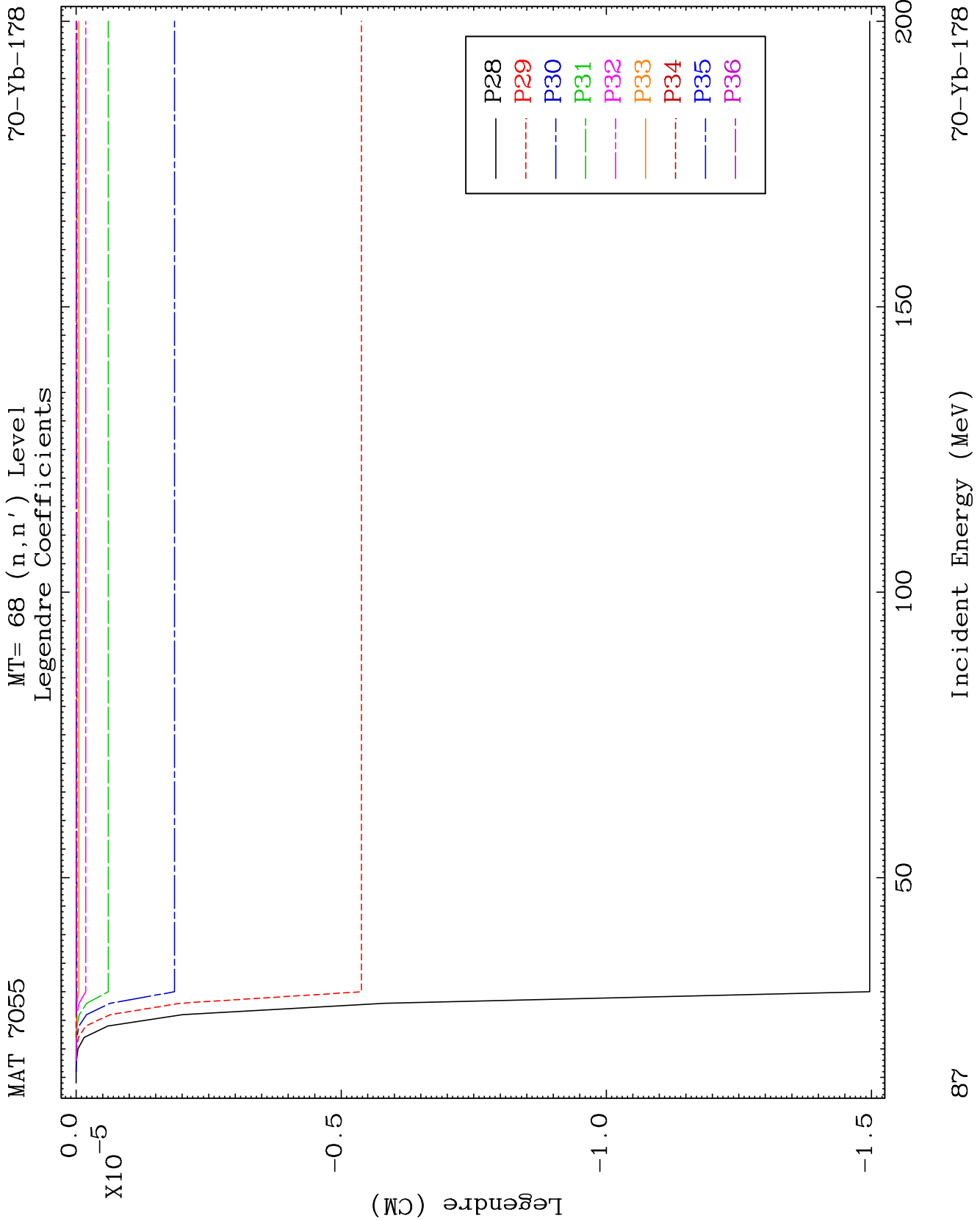
MAT 7055

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

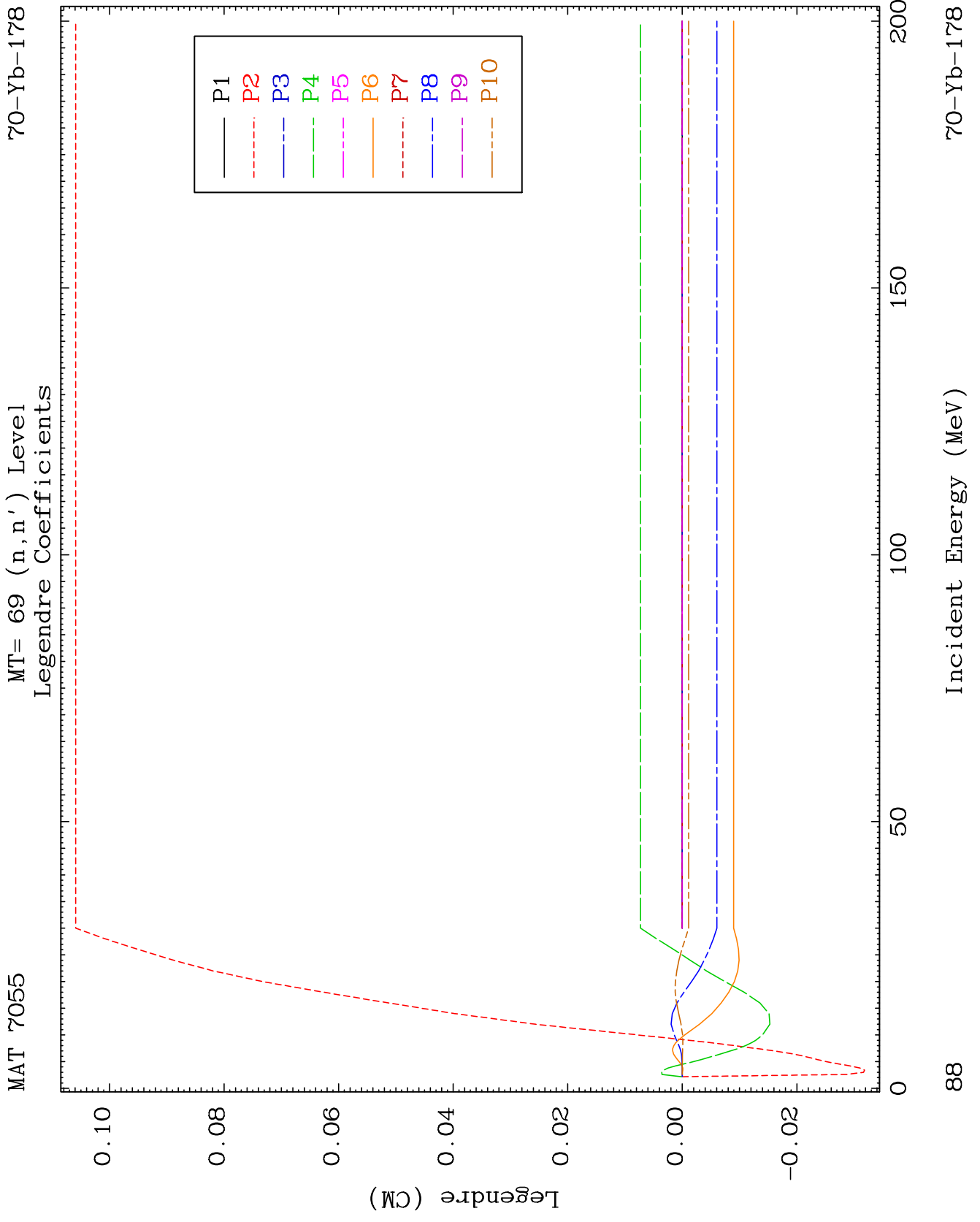
70-Yb-178

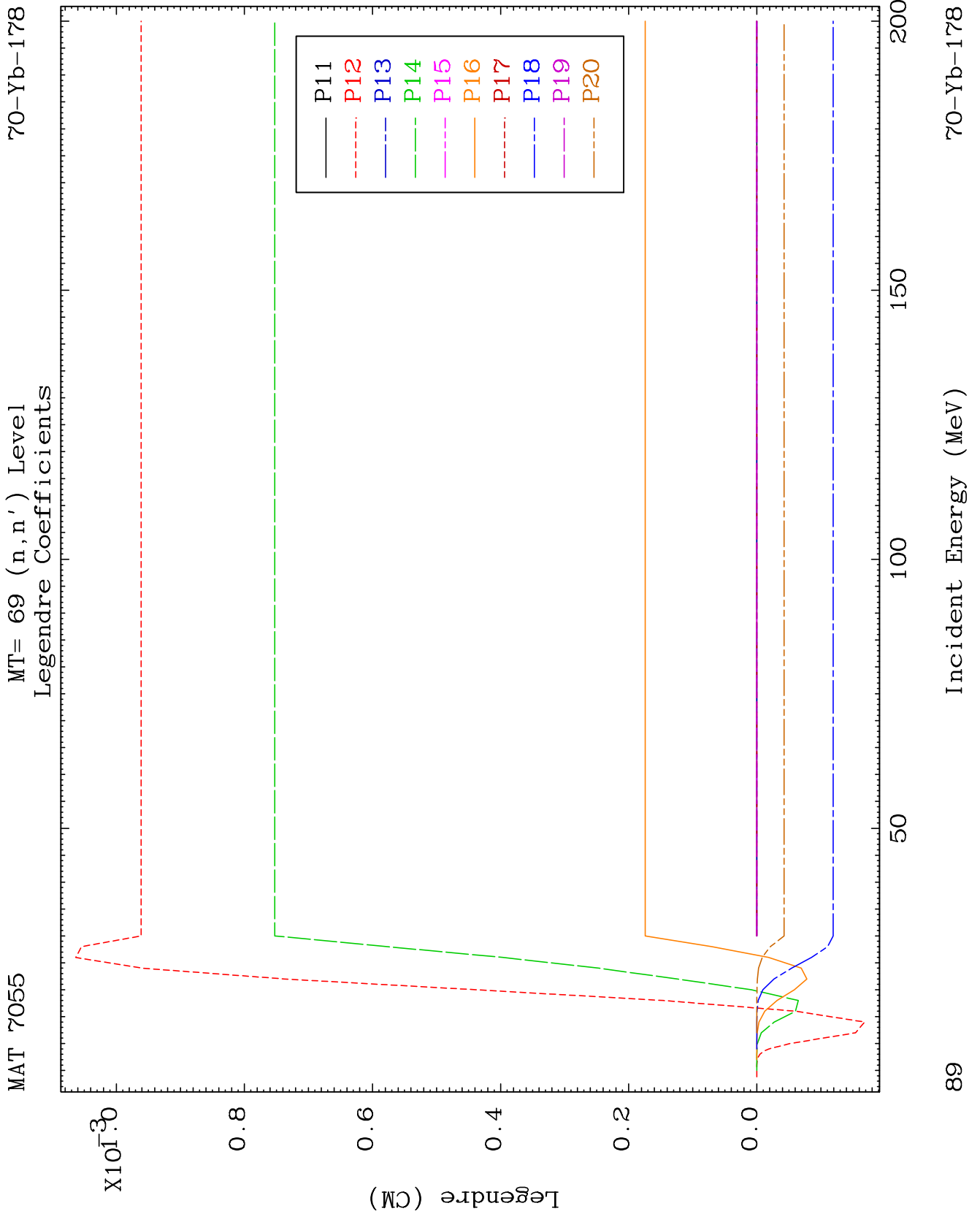


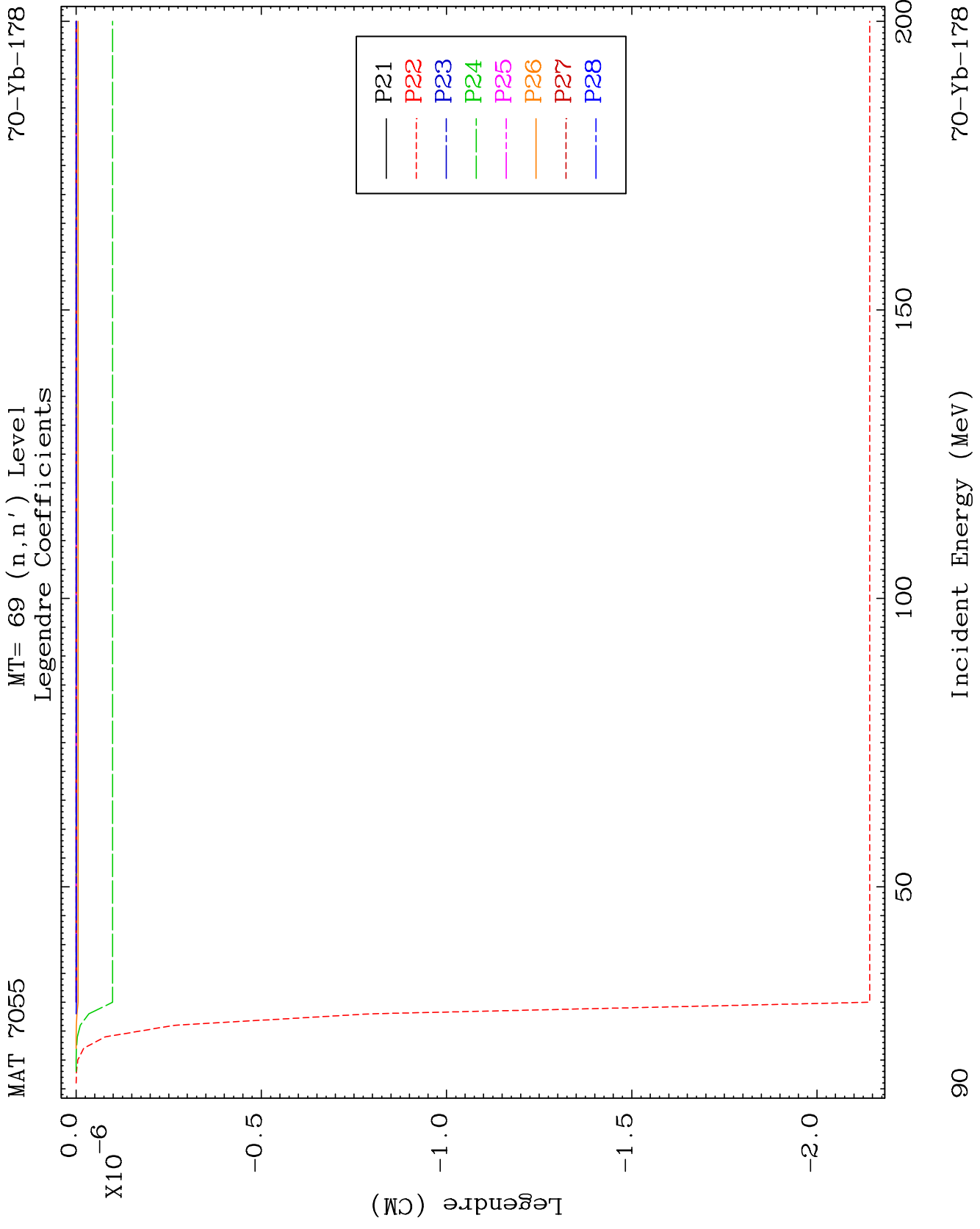
86







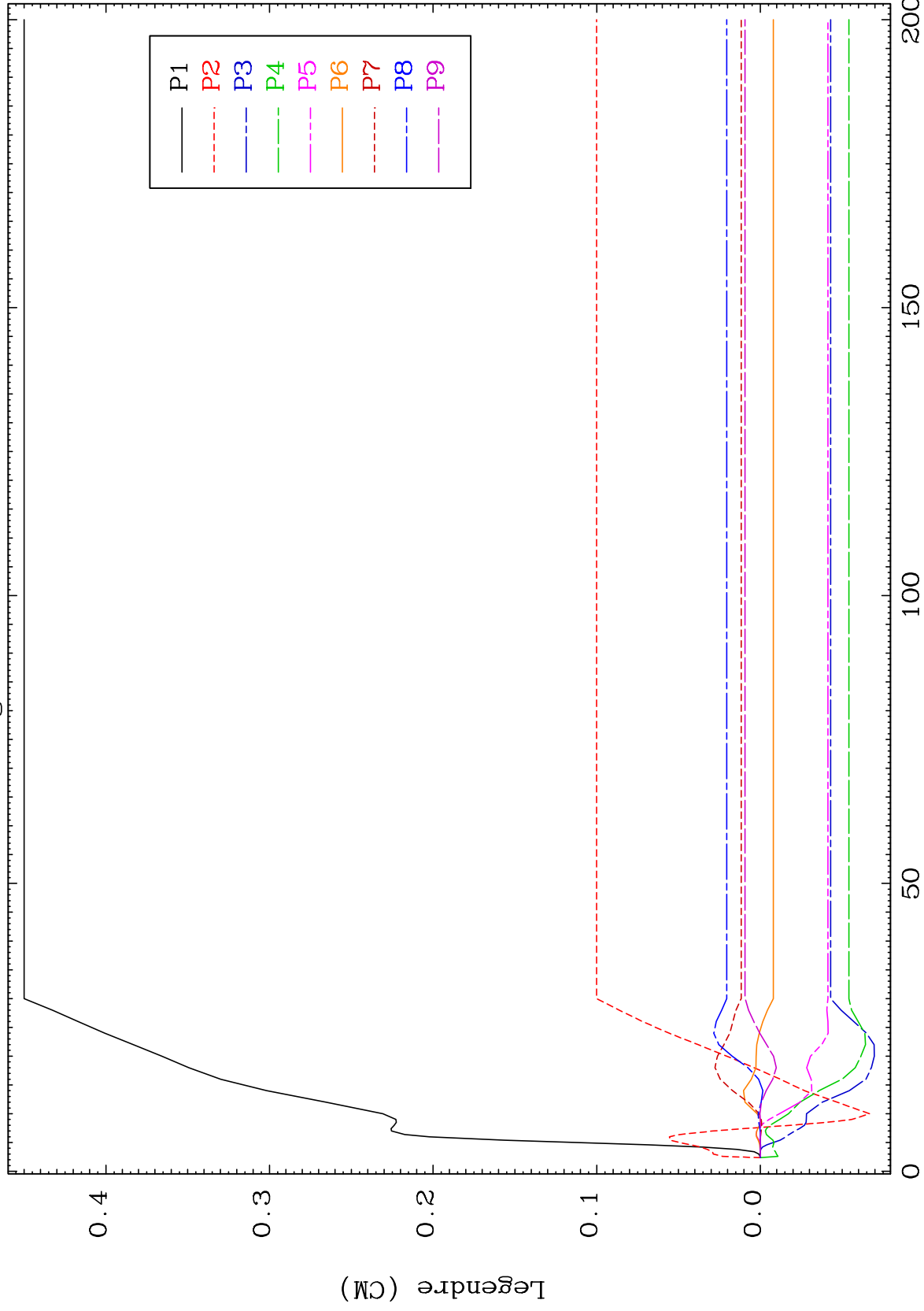




MAT 7055

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

70-Yb-178



91

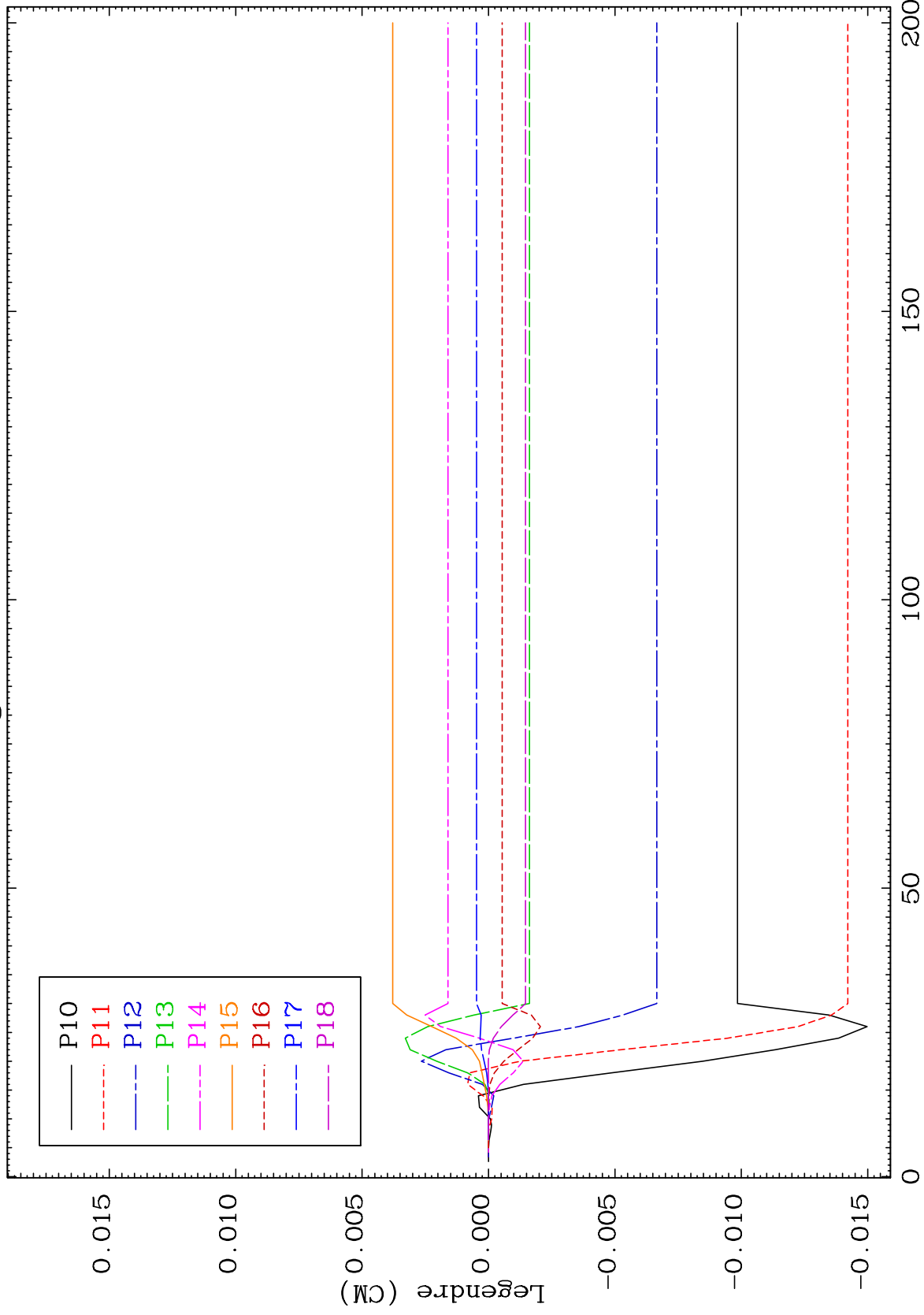
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



92

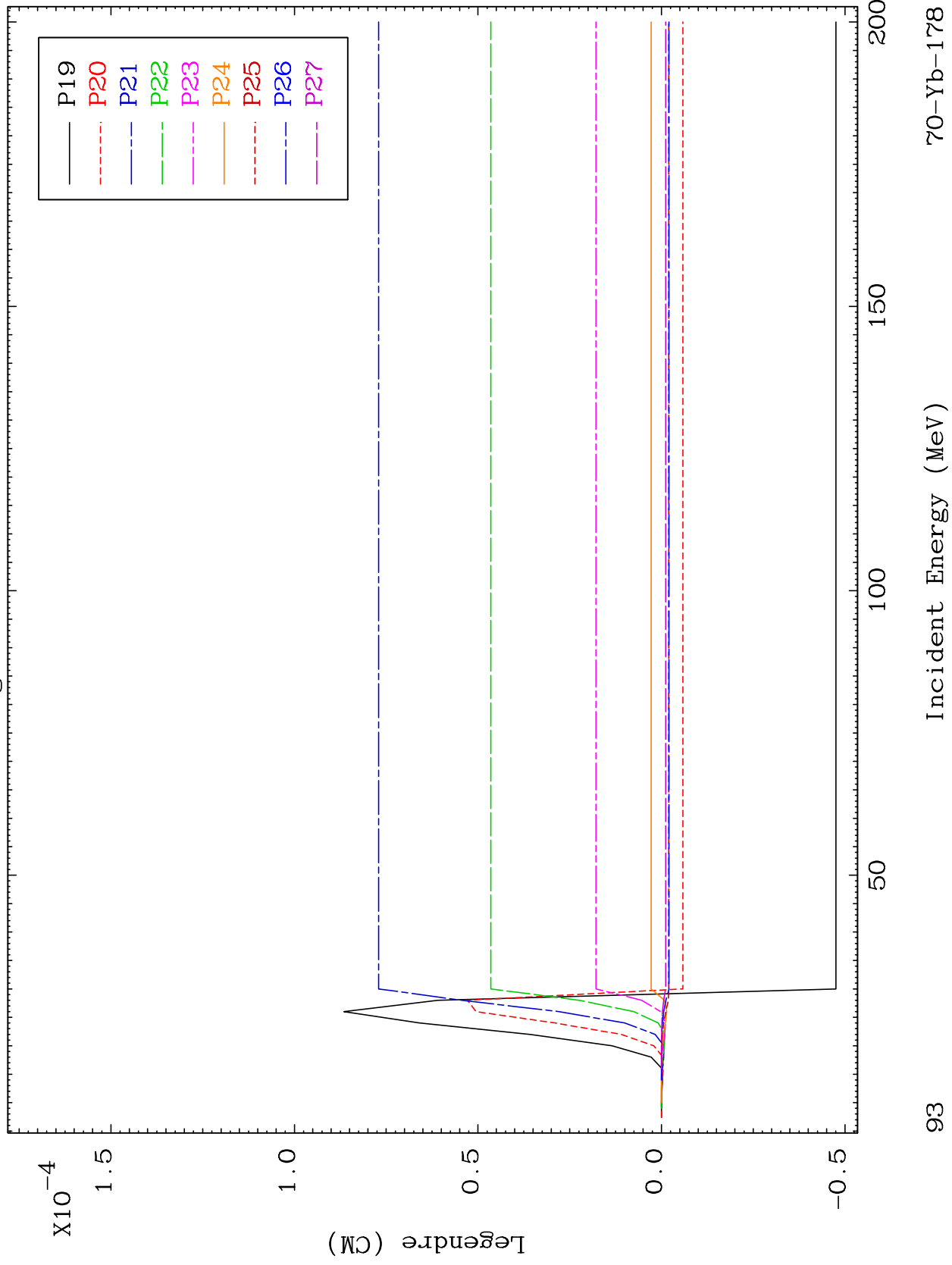
Incident Energy (MeV)

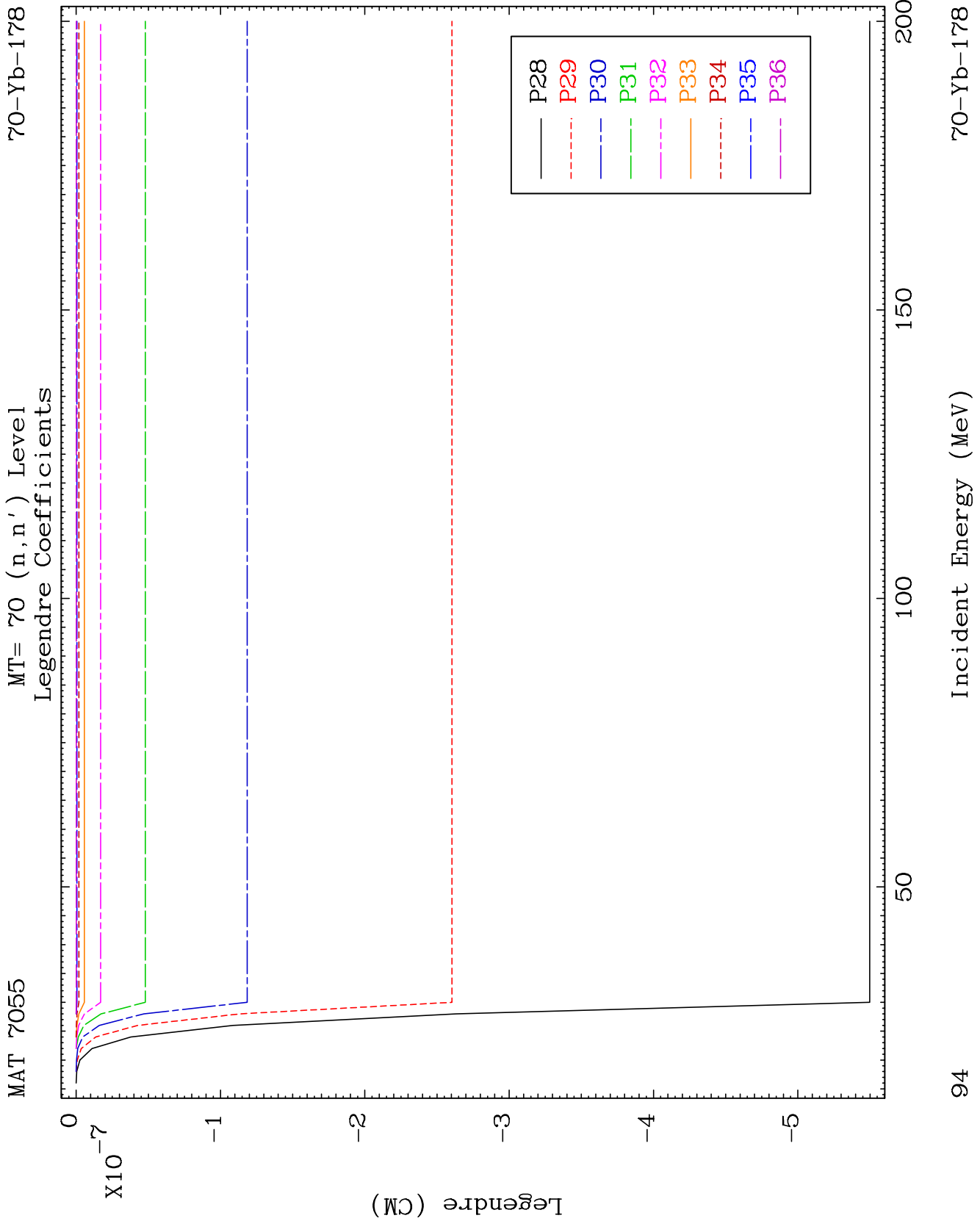
70-Yb-178

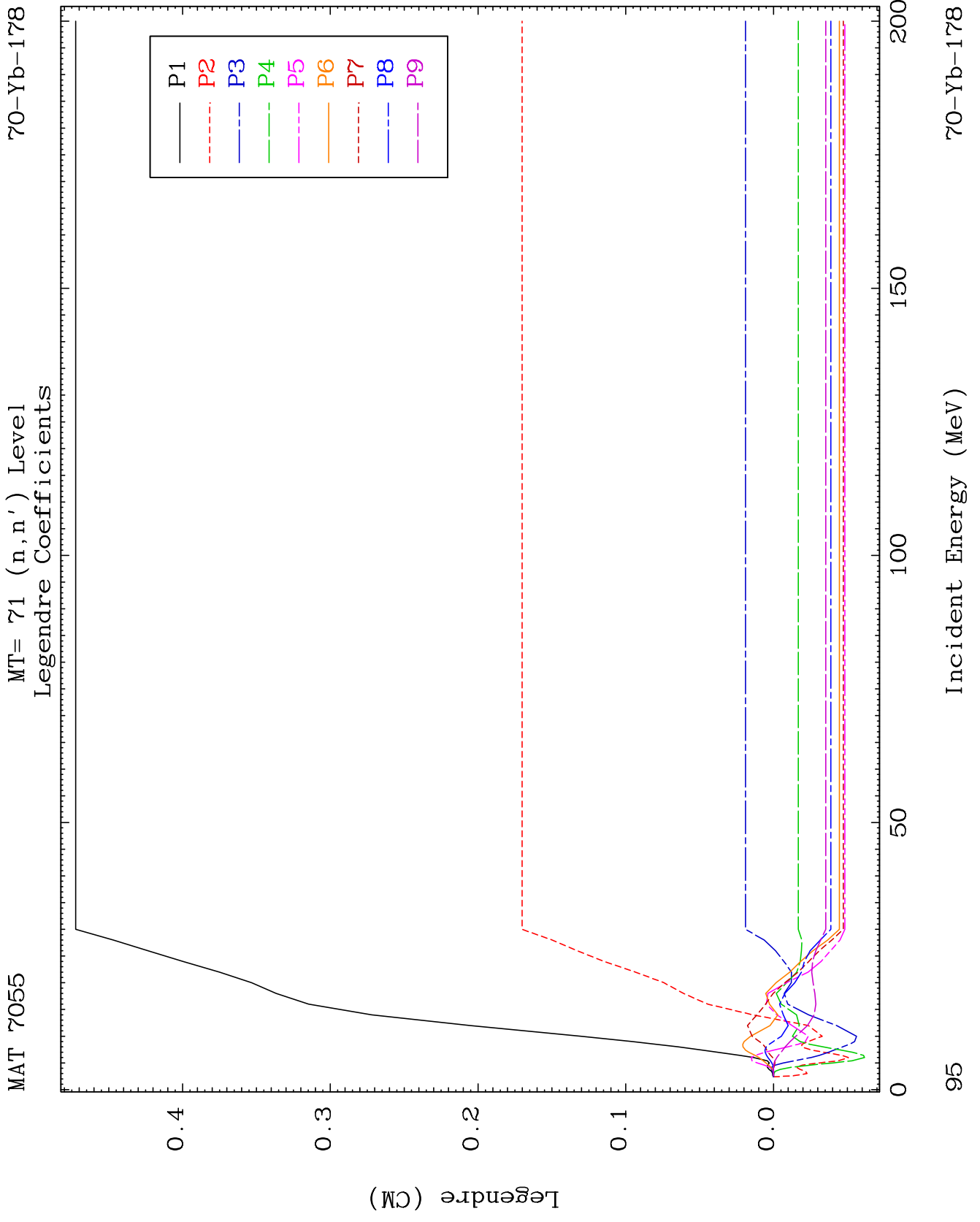
MAT 7055

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

70-Yb-178





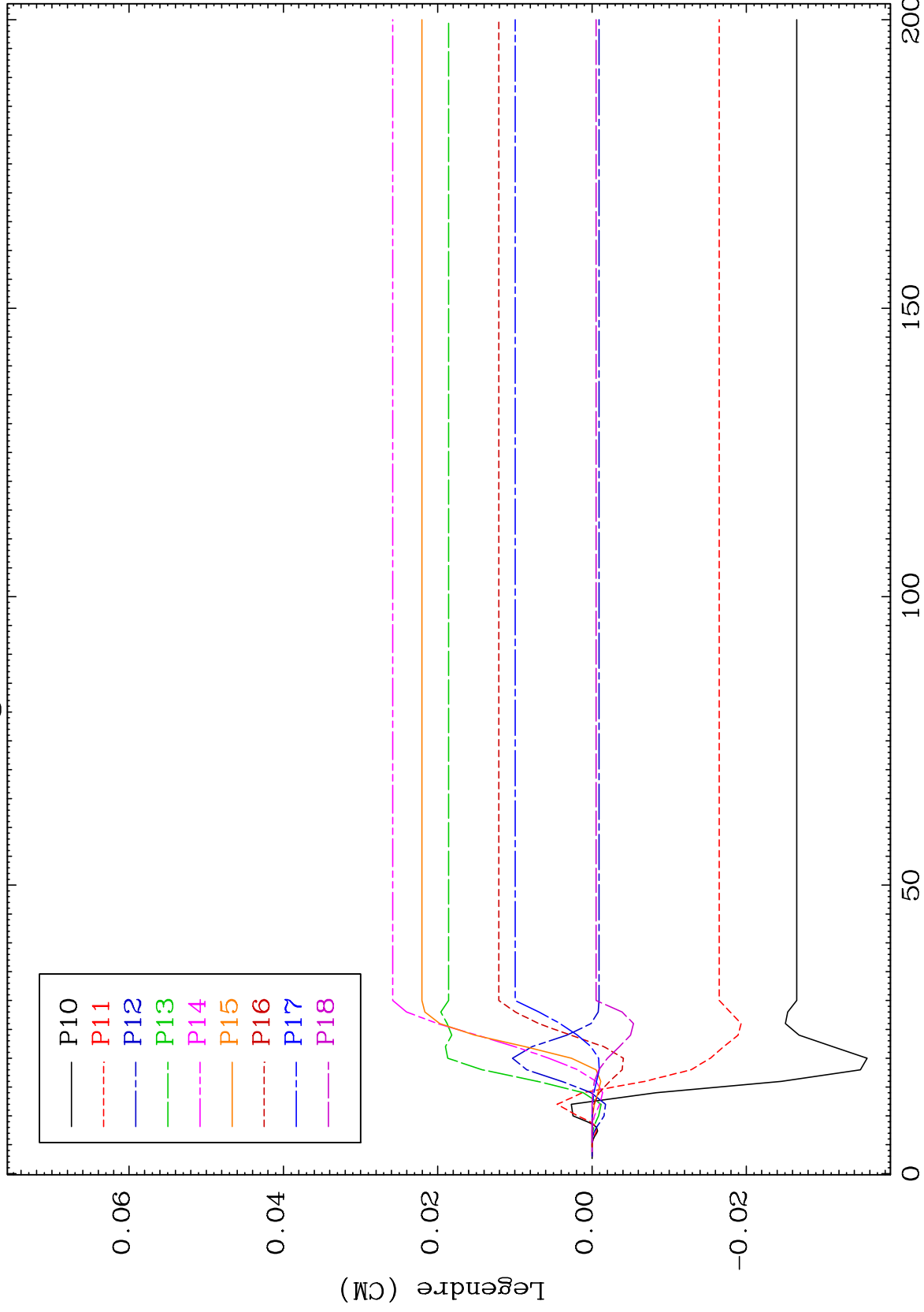




MAT 7055

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

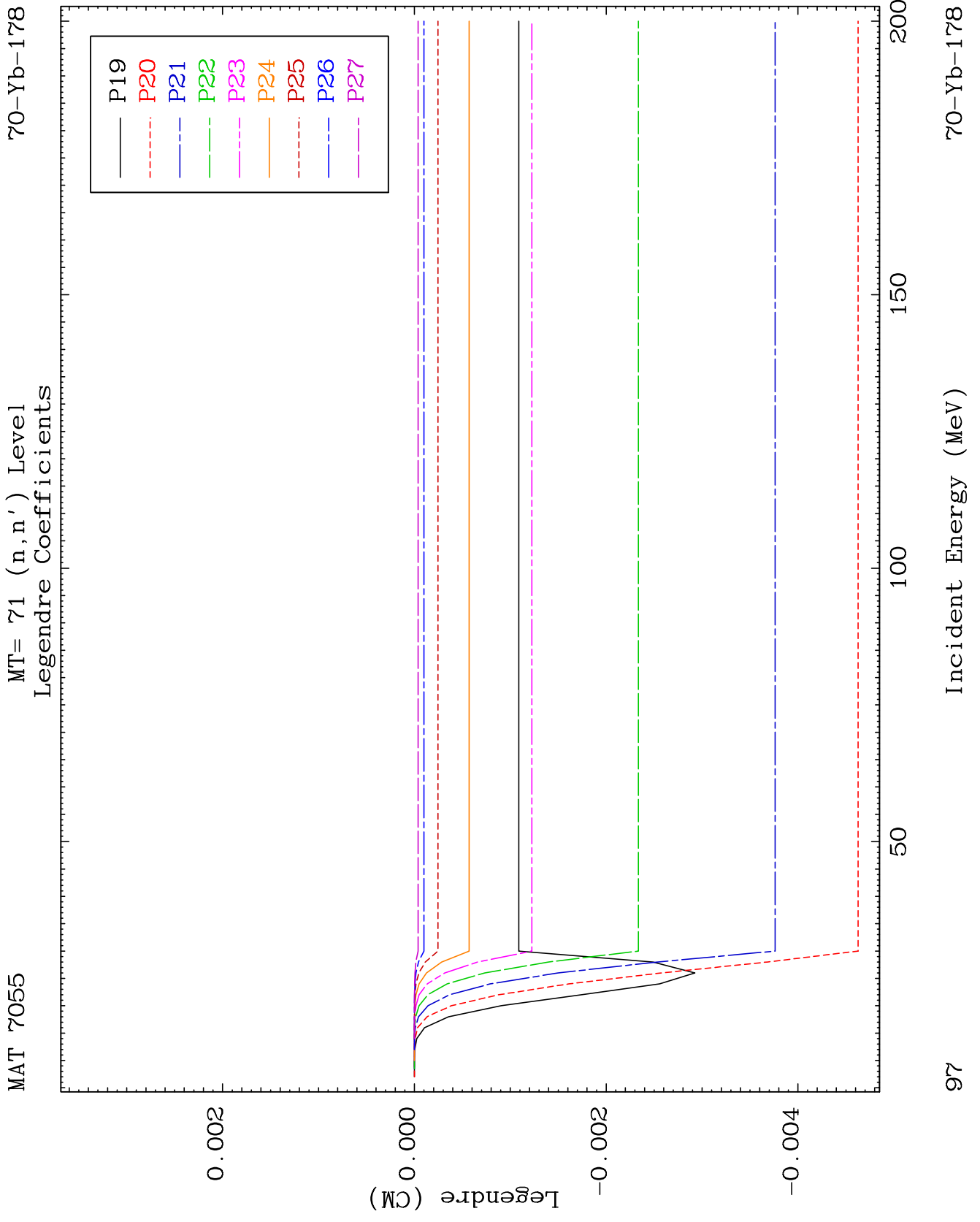
70-Yb-178

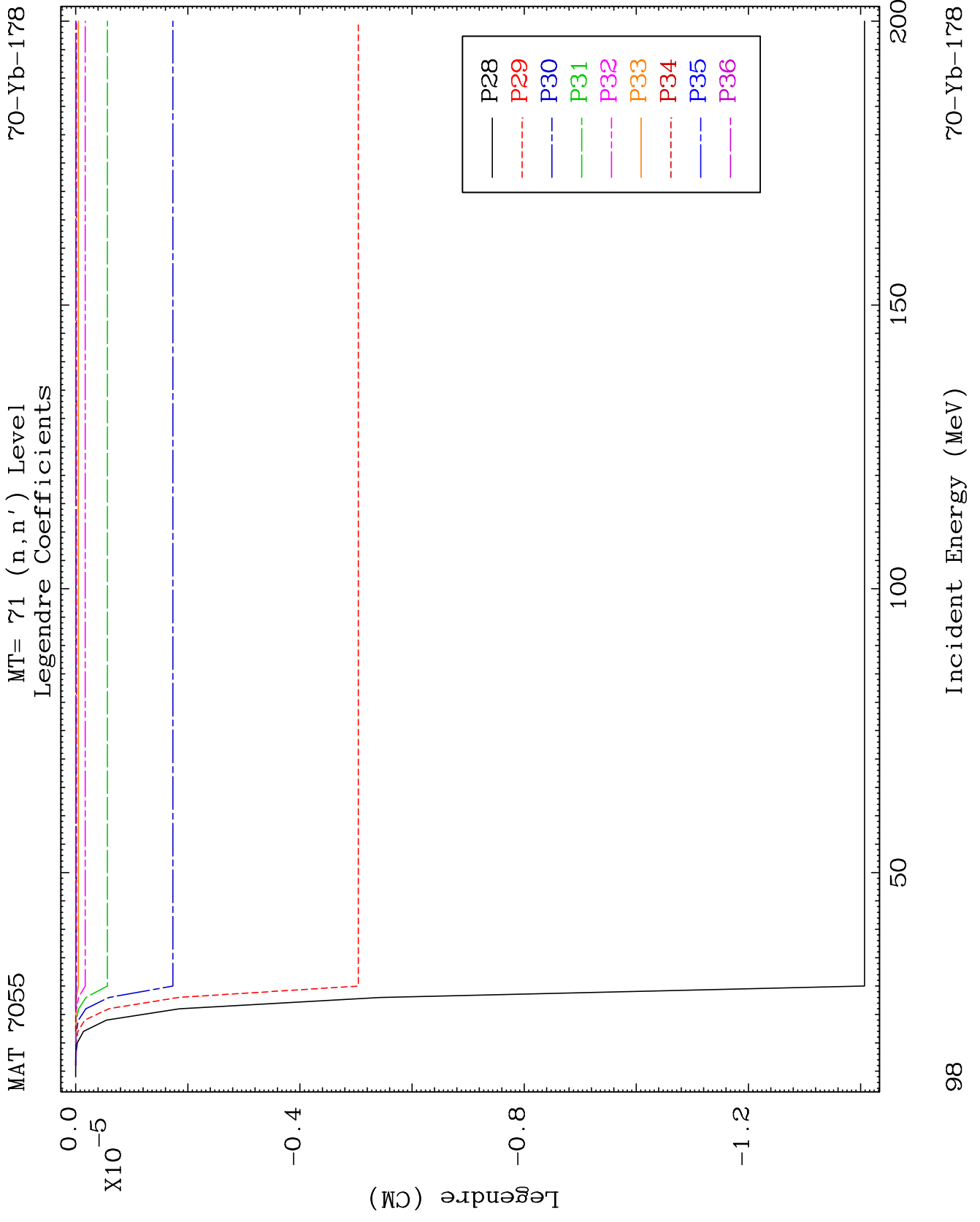


96

Incident Energy (MeV)

70-Yb-178

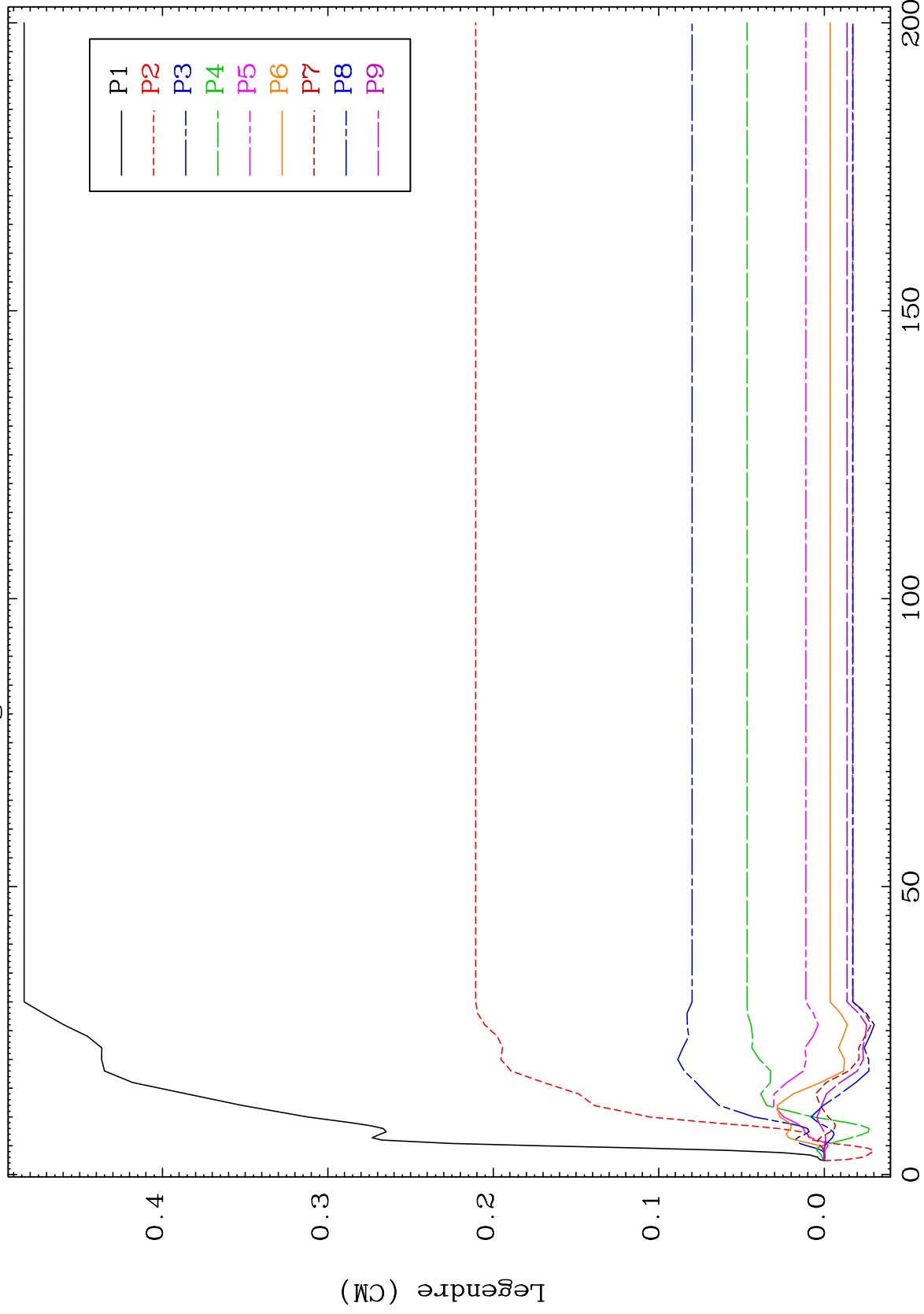




MAT 7055

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

70-Yb-178



99

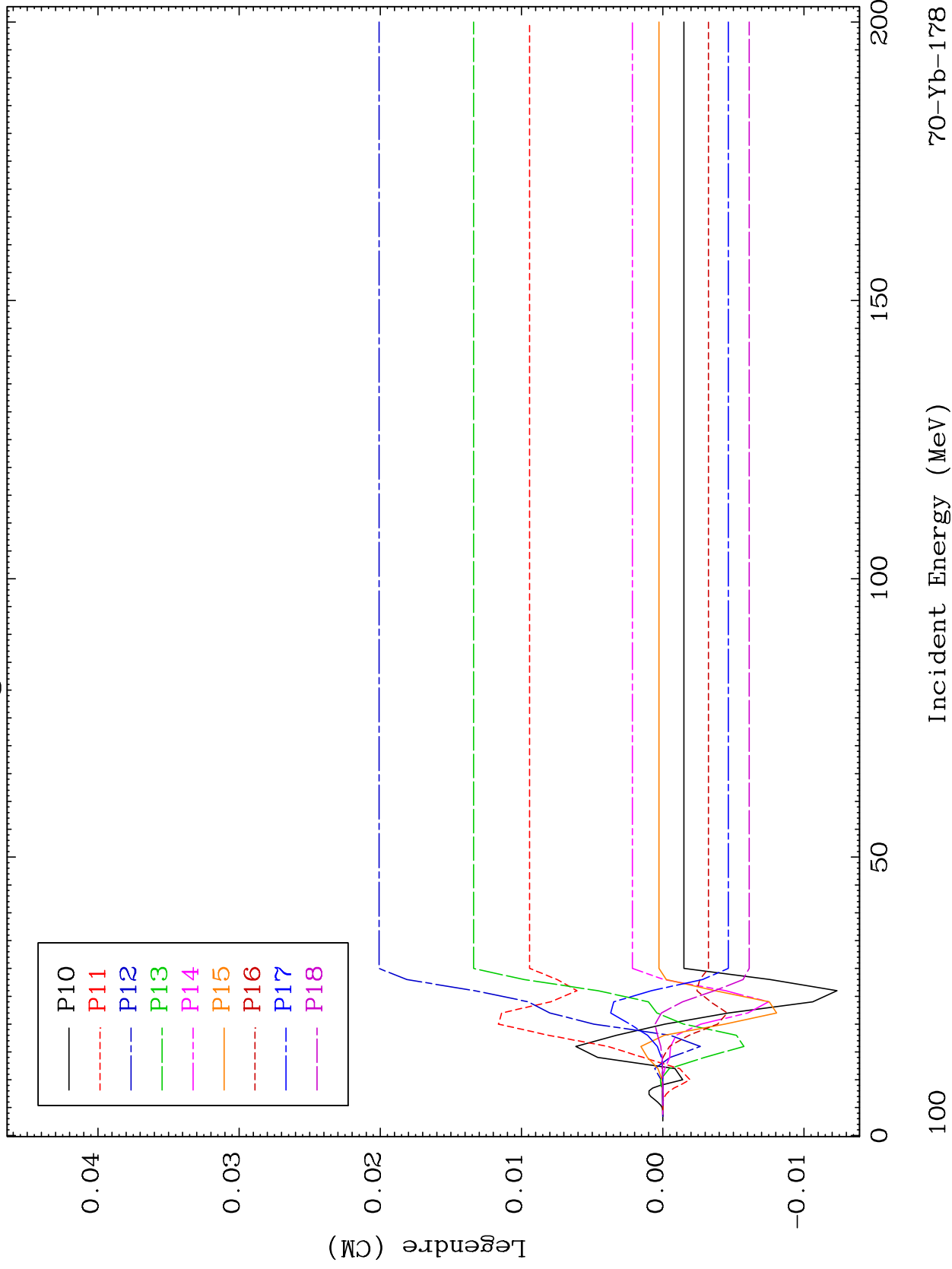
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

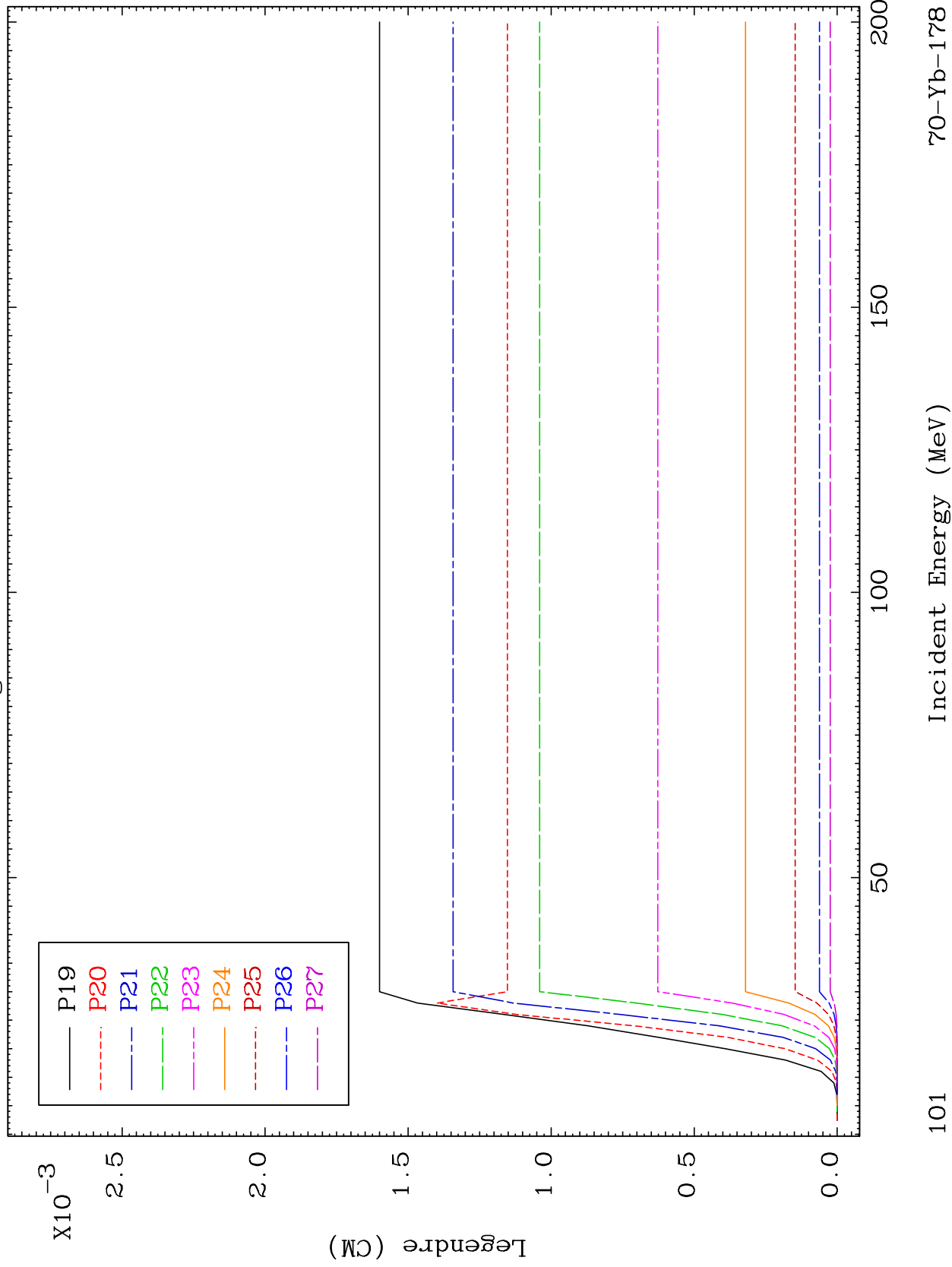
70-Yb-178



MAT 70555

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

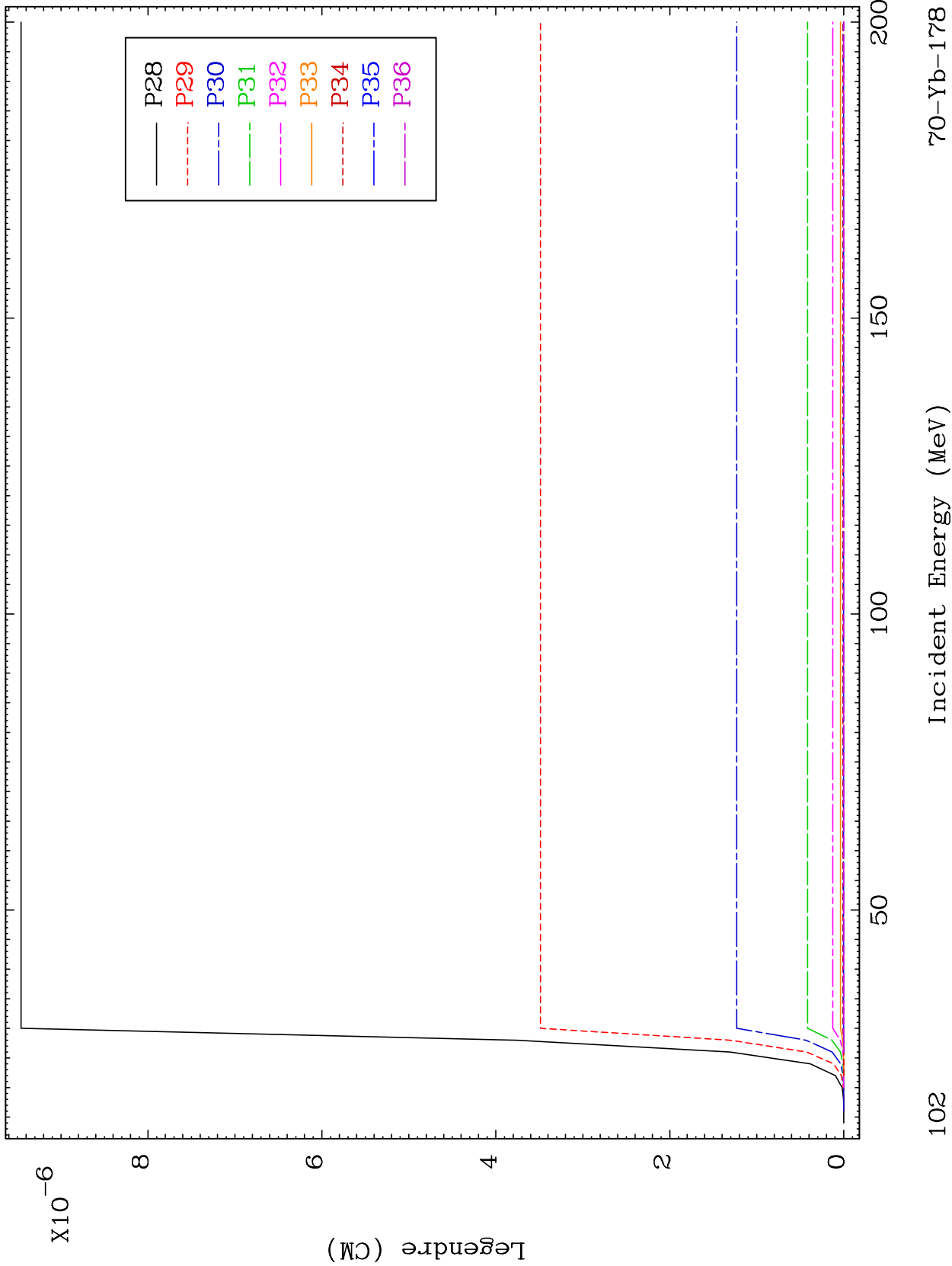
70-Yb-178



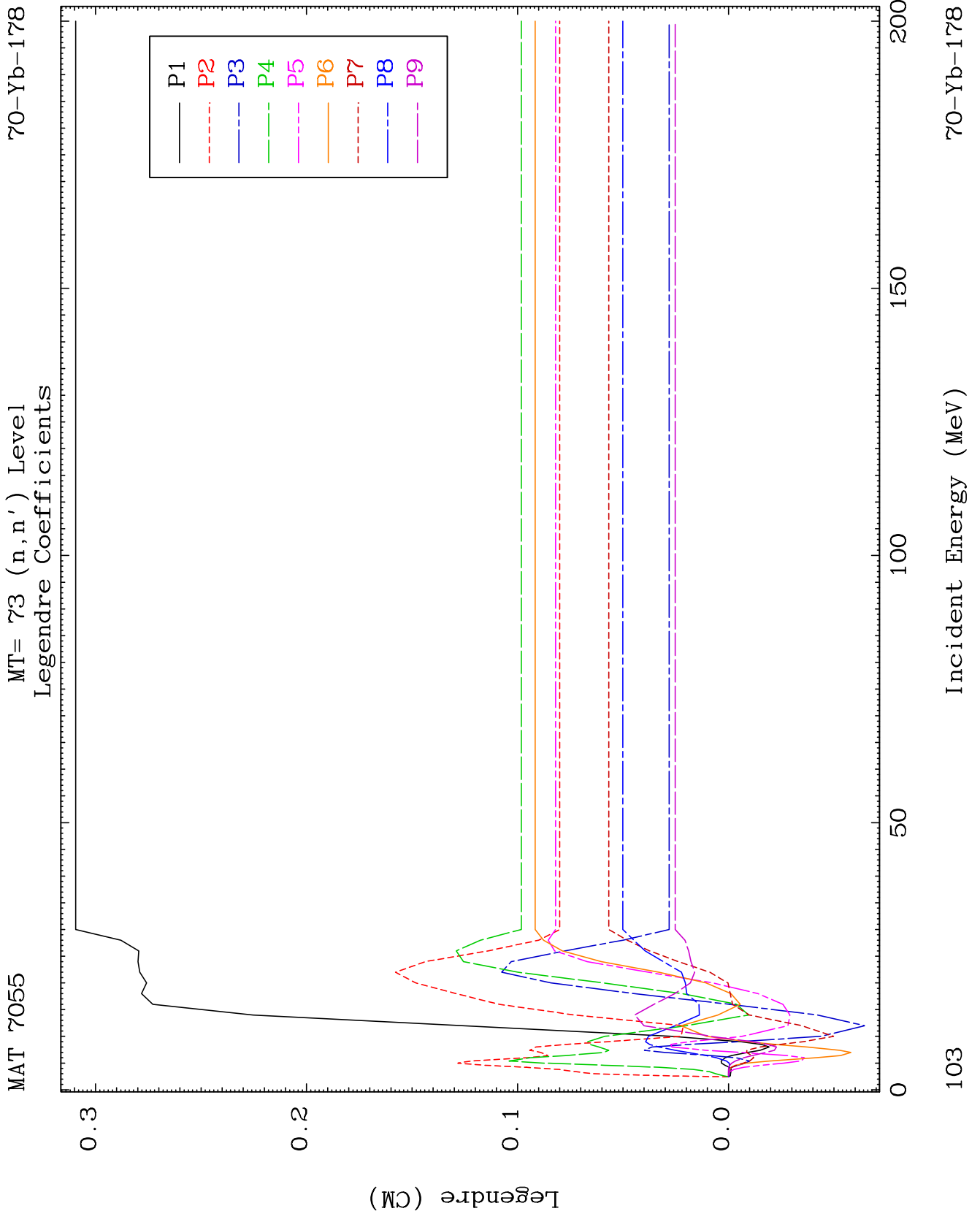
MAT 7055

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

70-Yb-178



102

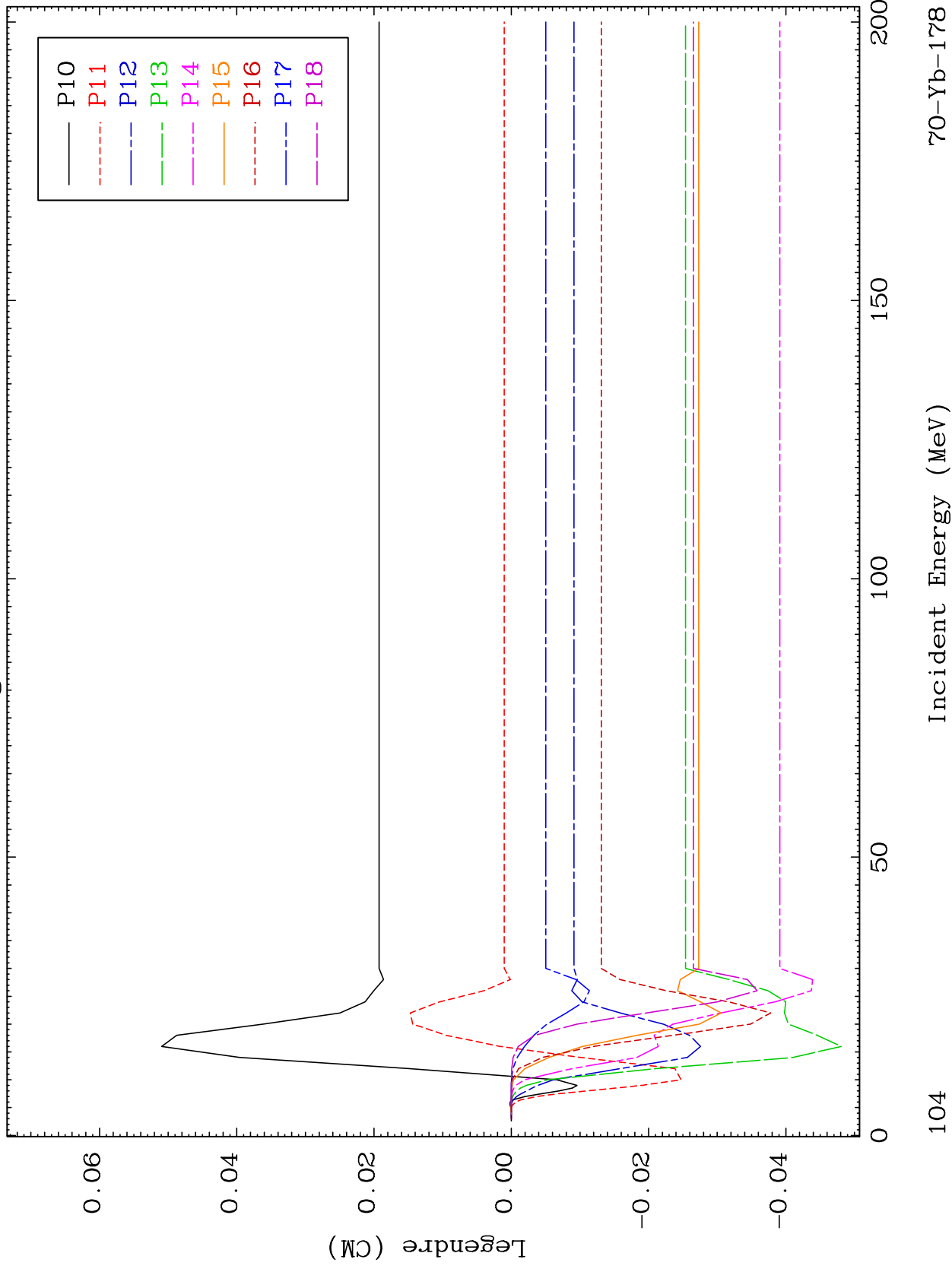




MAT 7055

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

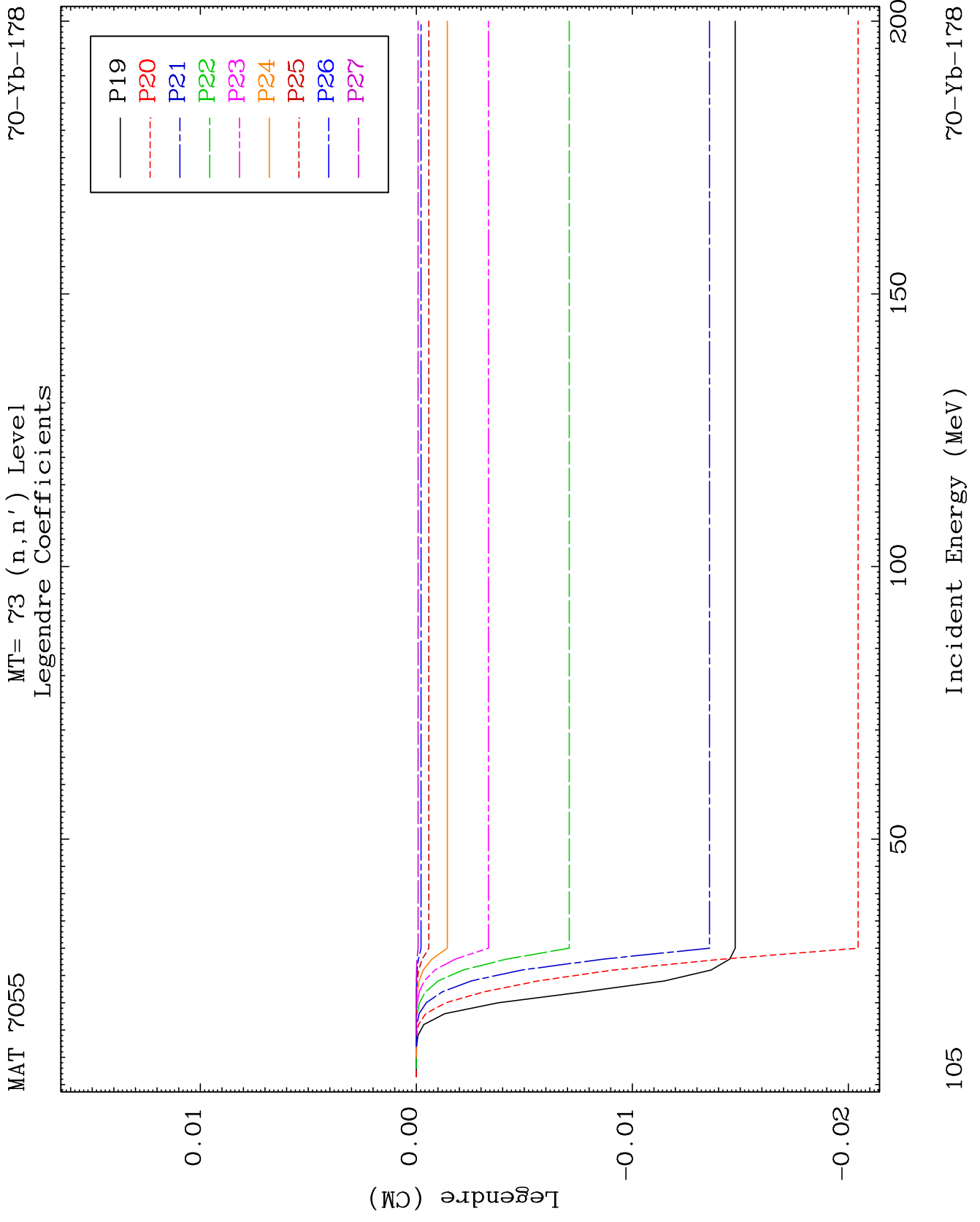
70-Yb-178

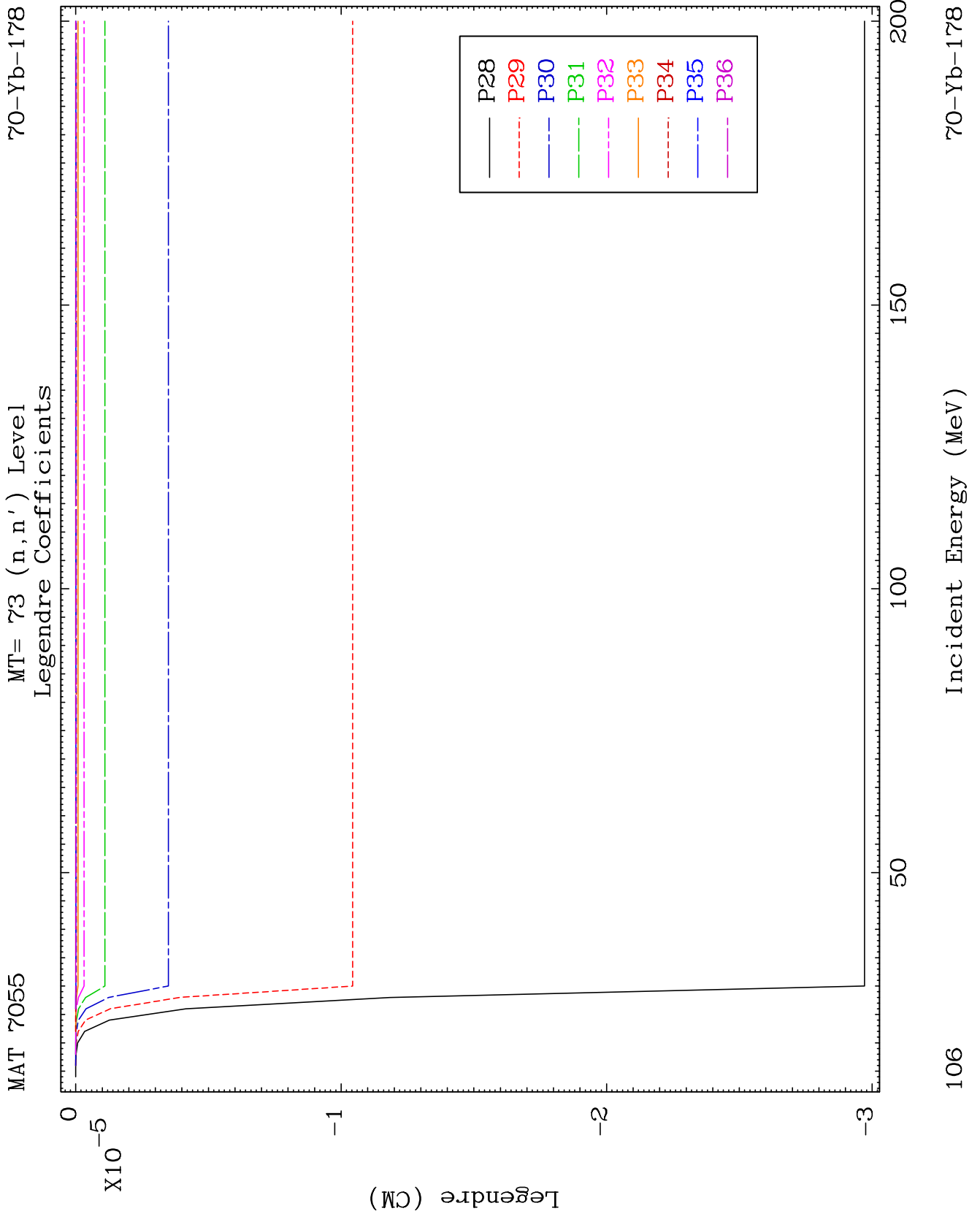


70-Yb-178

Incident Energy (MeV)

104

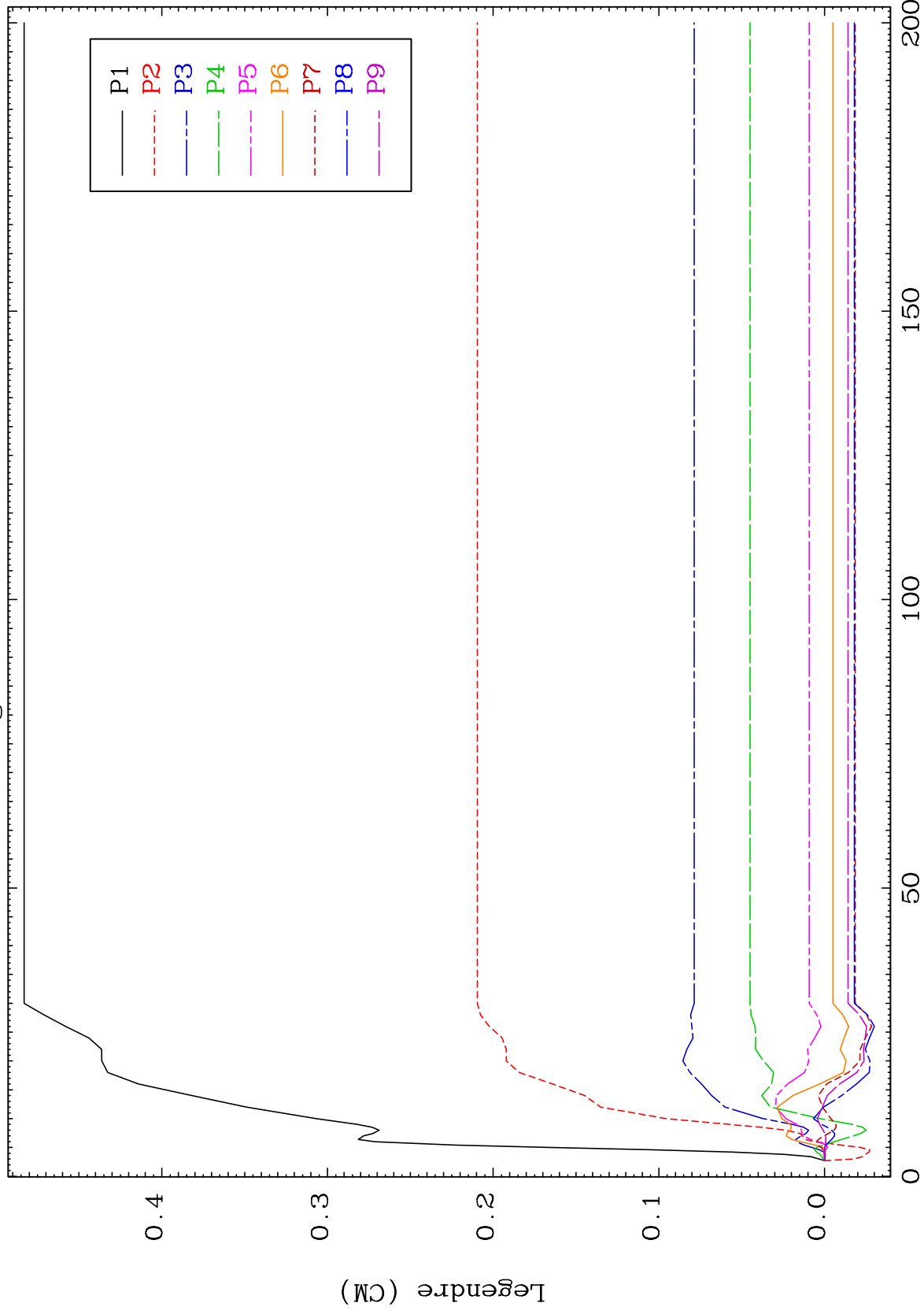




MAT 7055

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

70-Yb-178



70-Yb-178

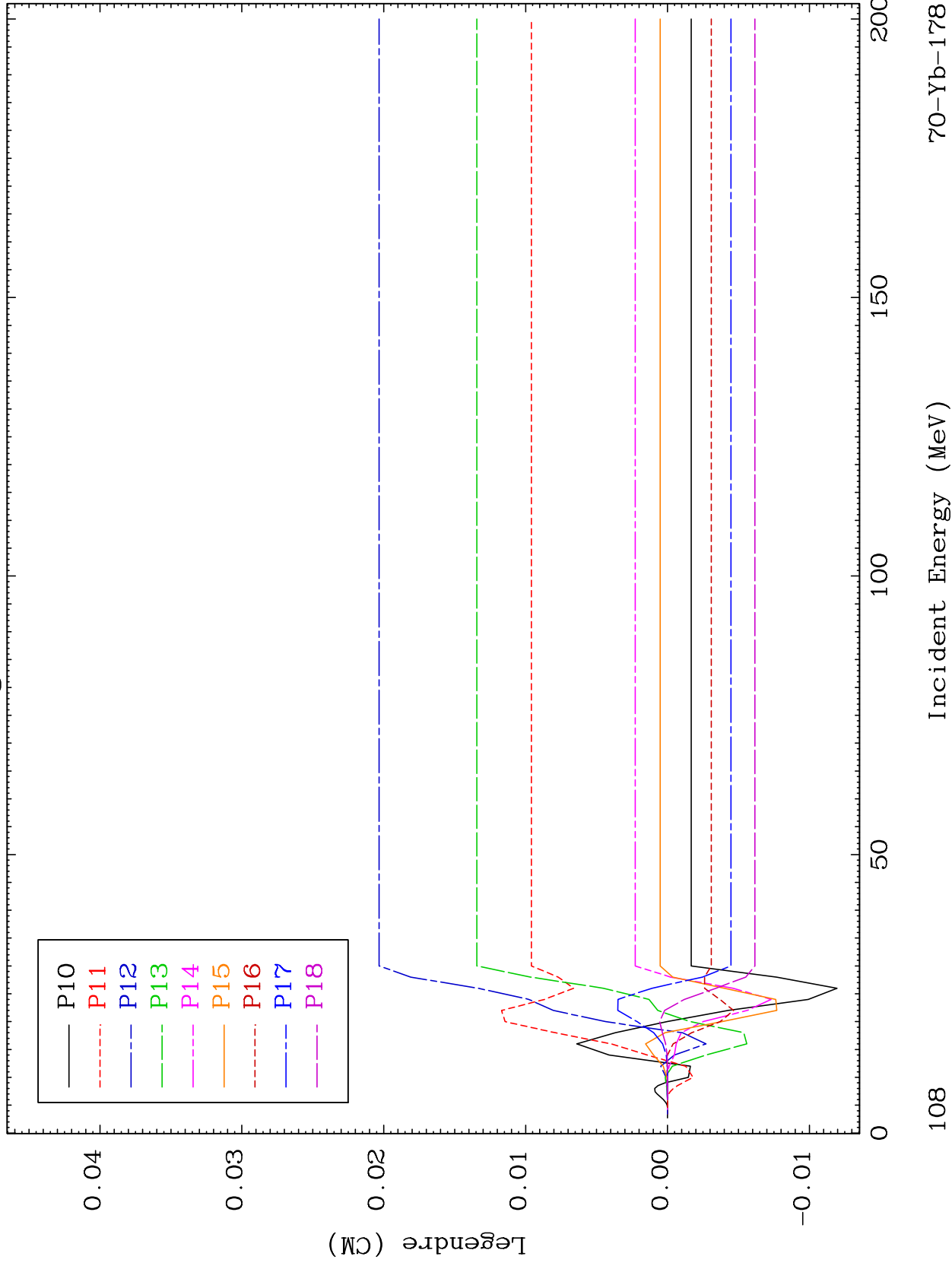
Incident Energy (MeV)

107

MAT 70555

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

70-Yb-178



108

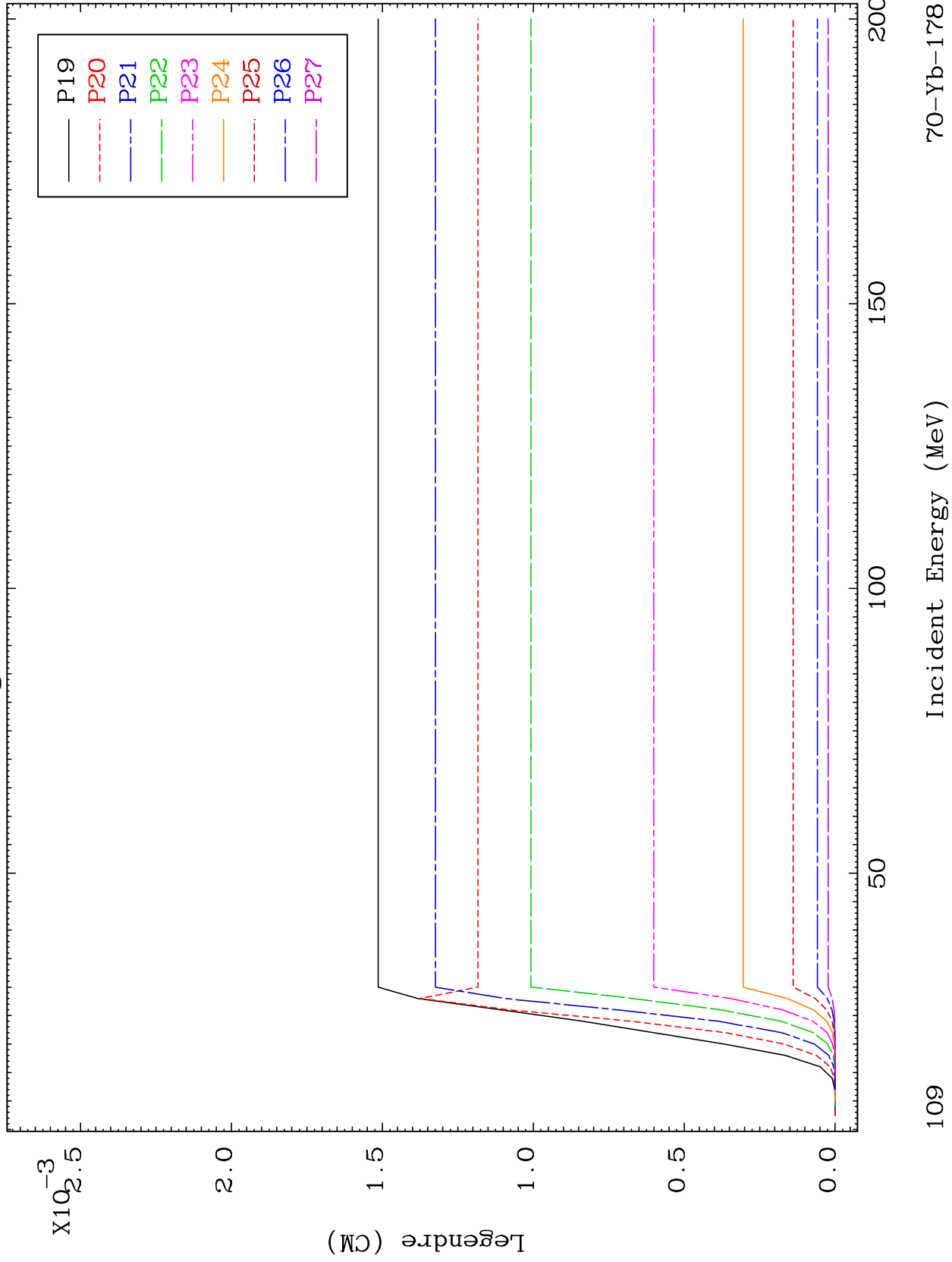
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178

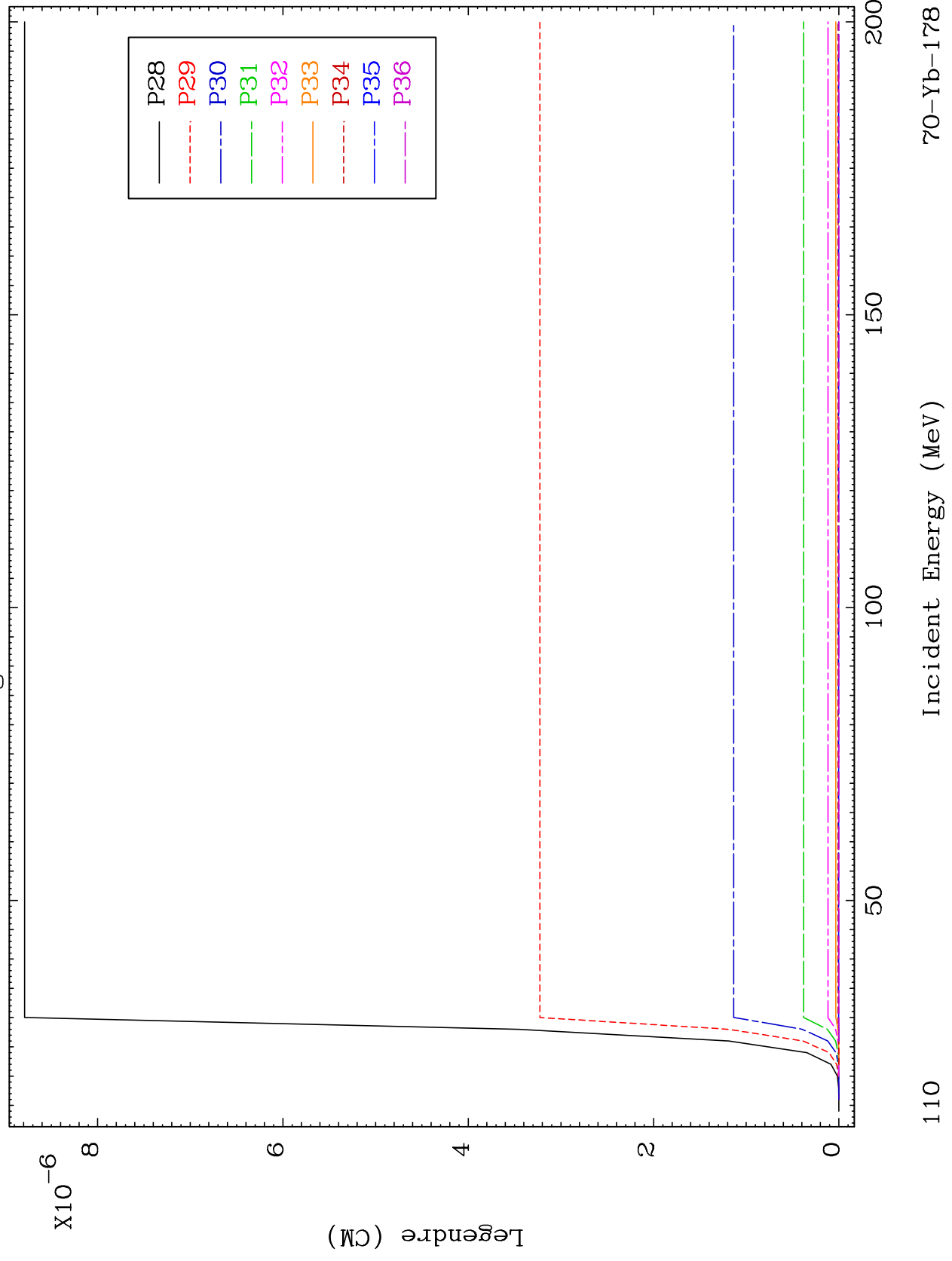


109

MAT 7055

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

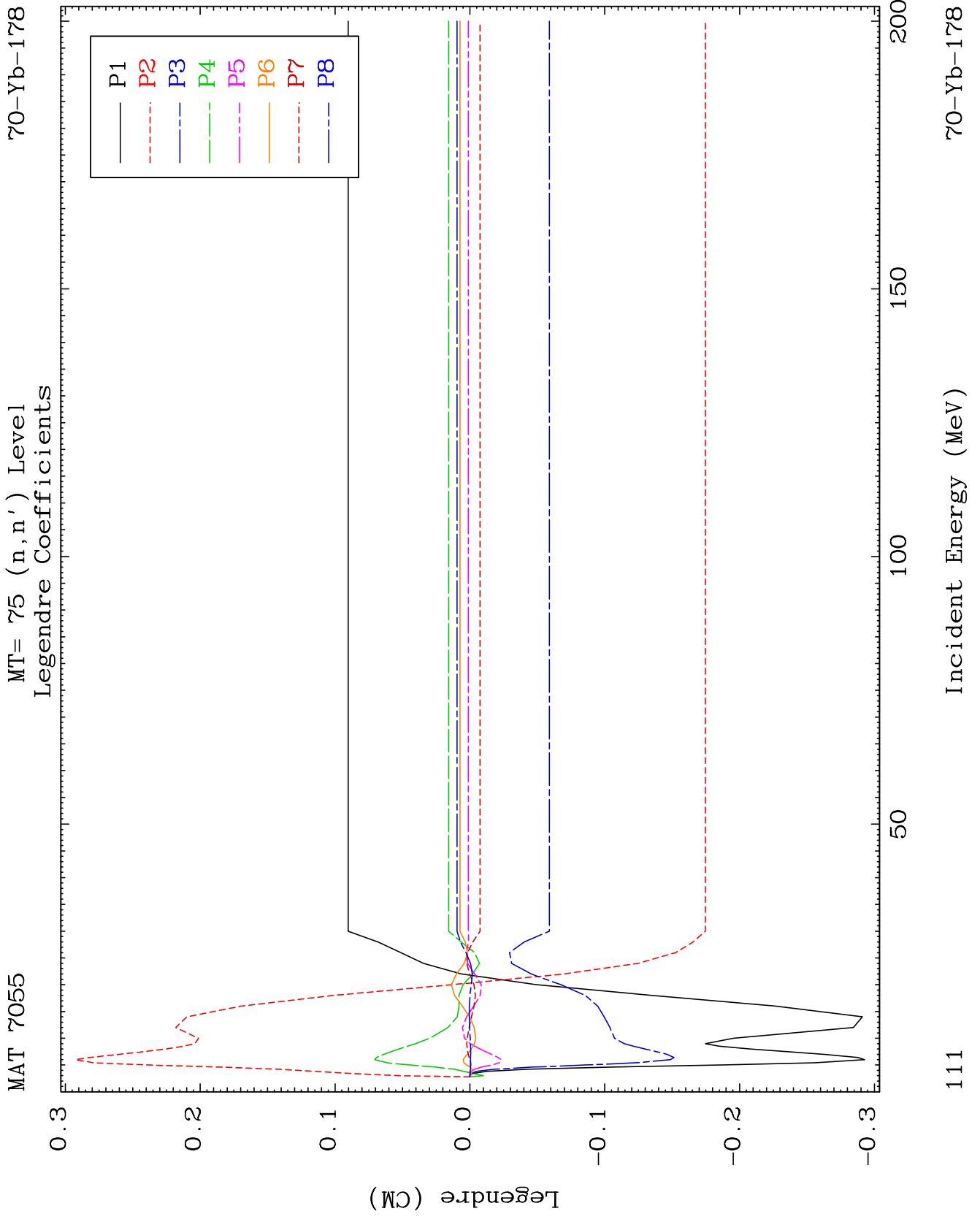
70-Yb-178



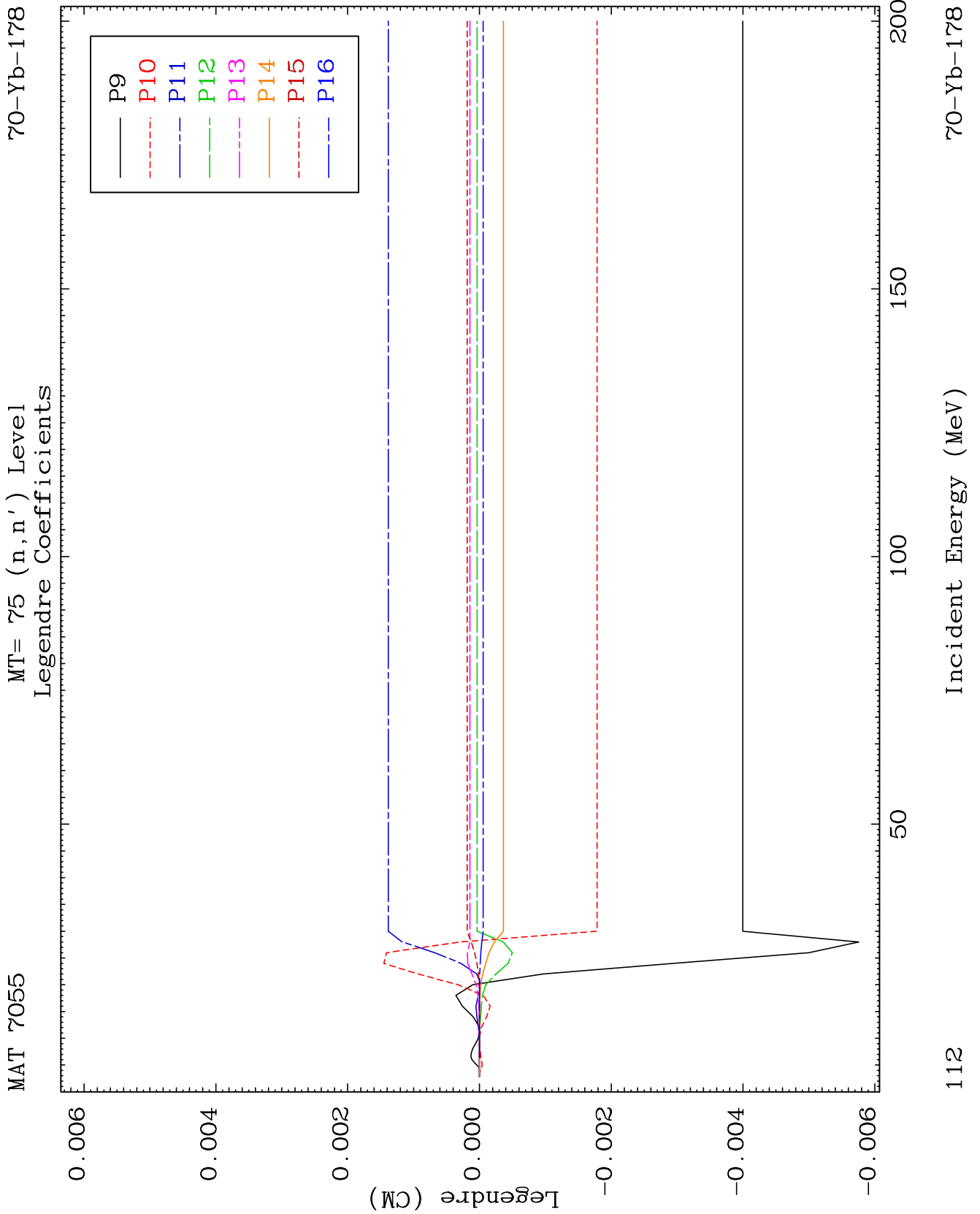
70-Yb-178

Incident Energy (MeV)

110



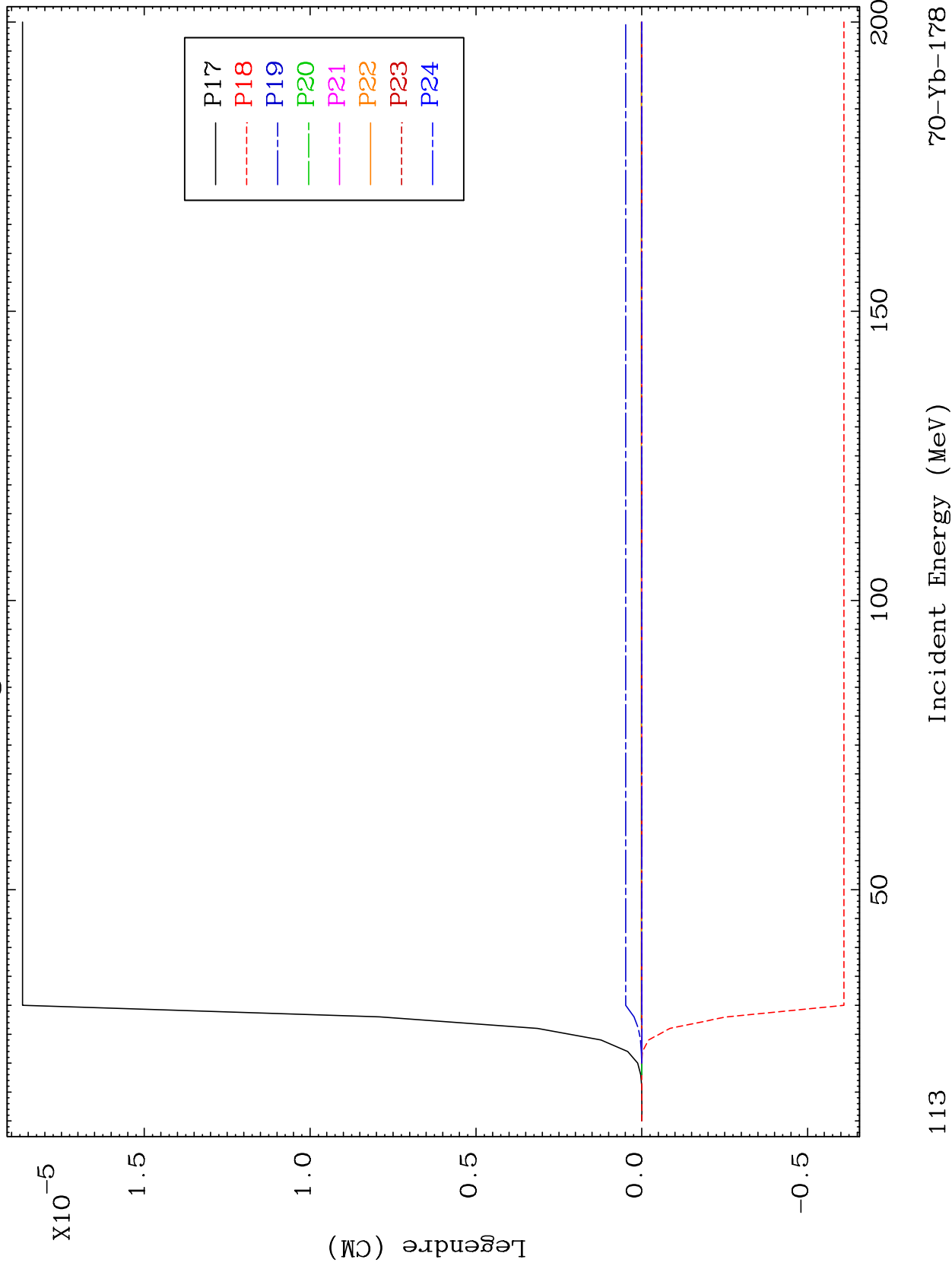




MAT 7055

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

70-Yb-178

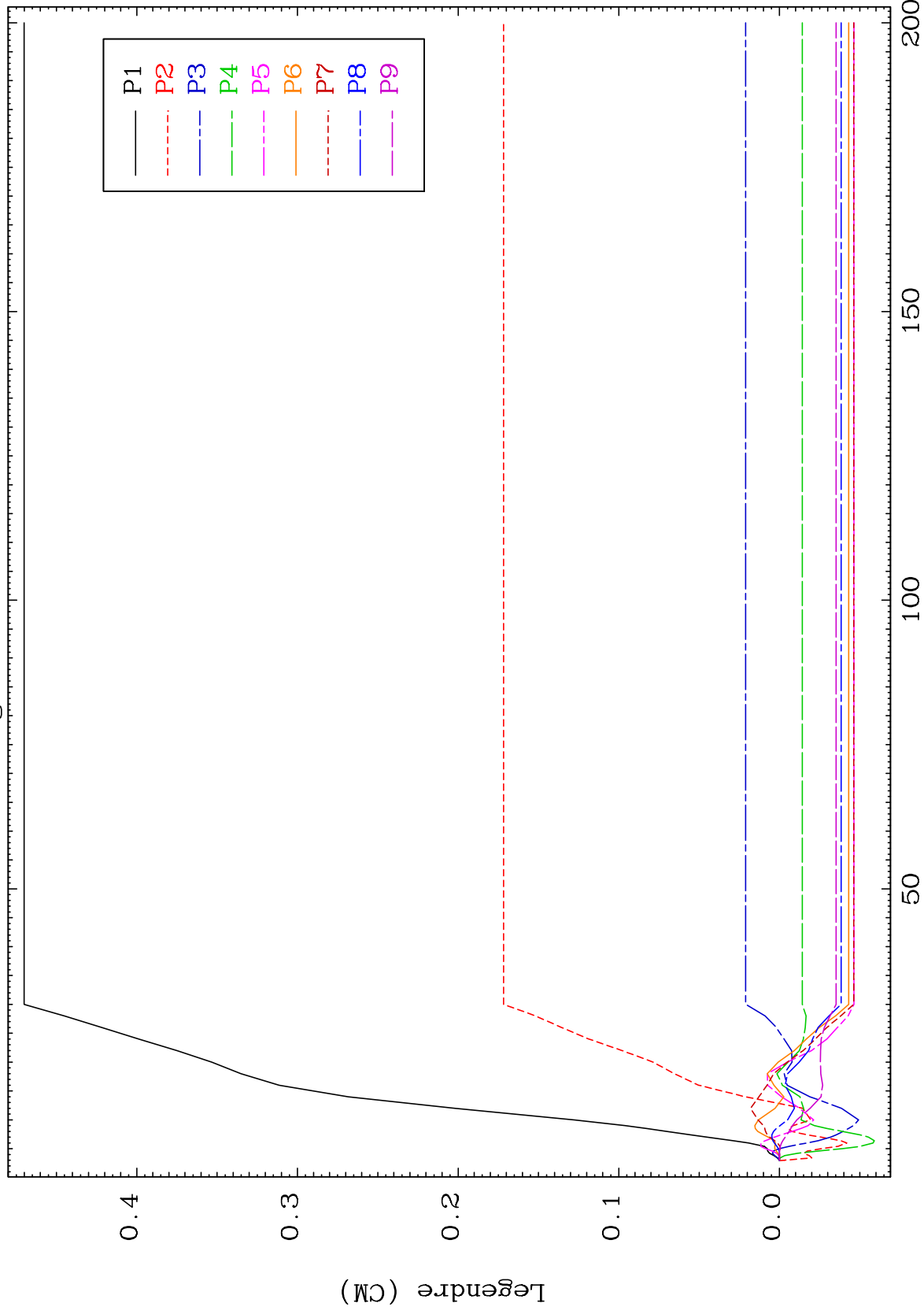


113

MAT 7055

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

70-Yb-178



114

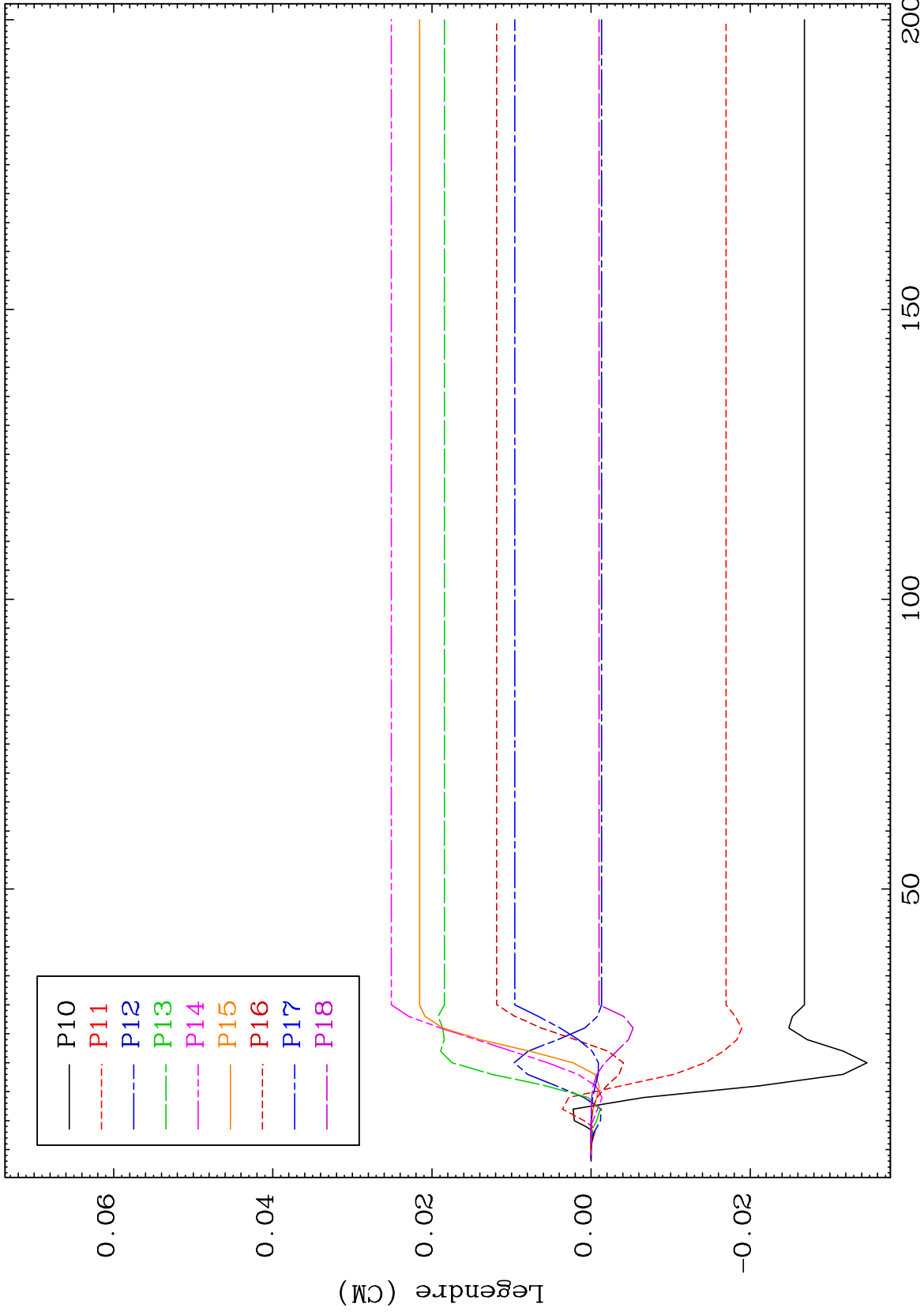
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



115

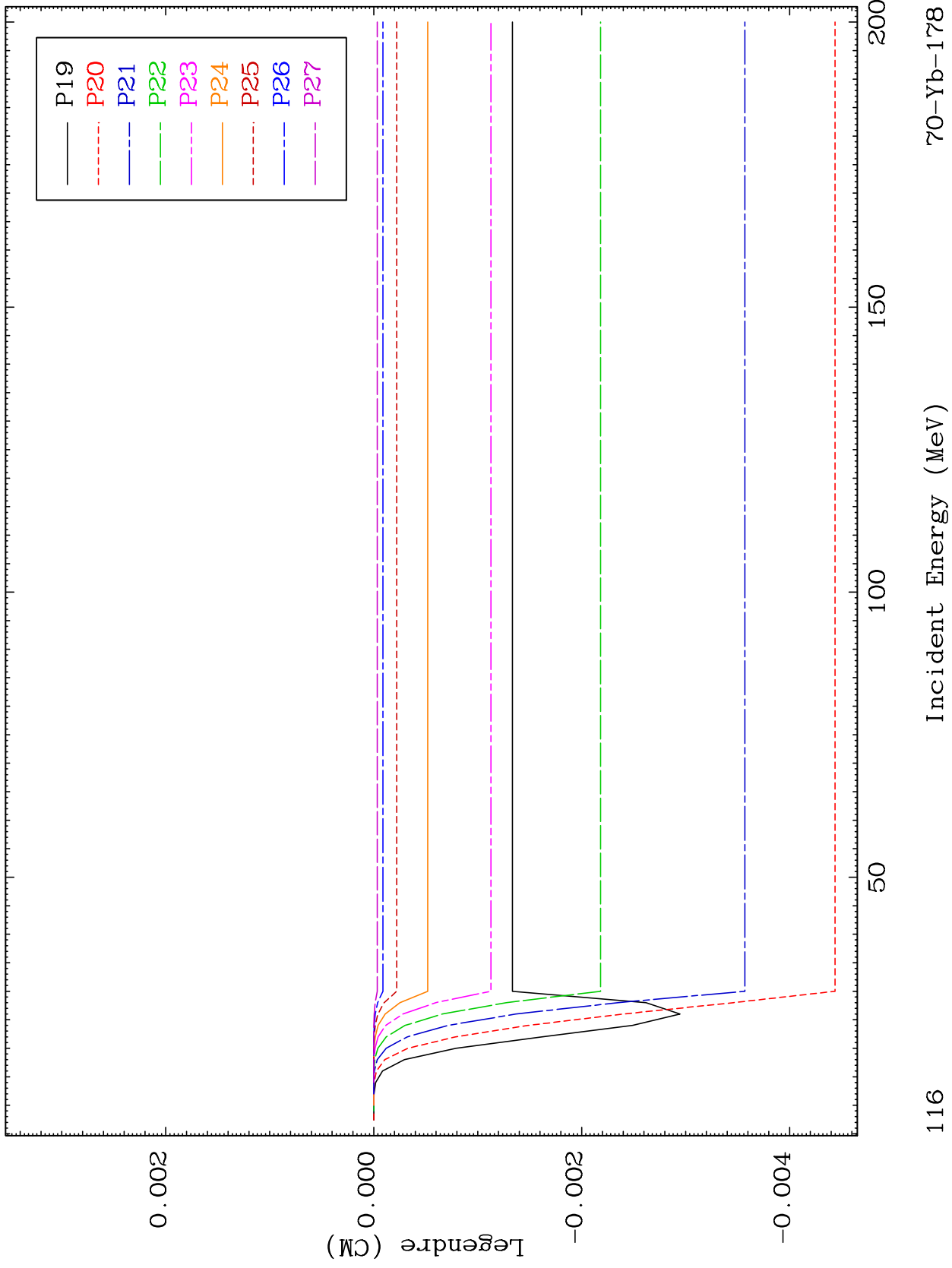
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

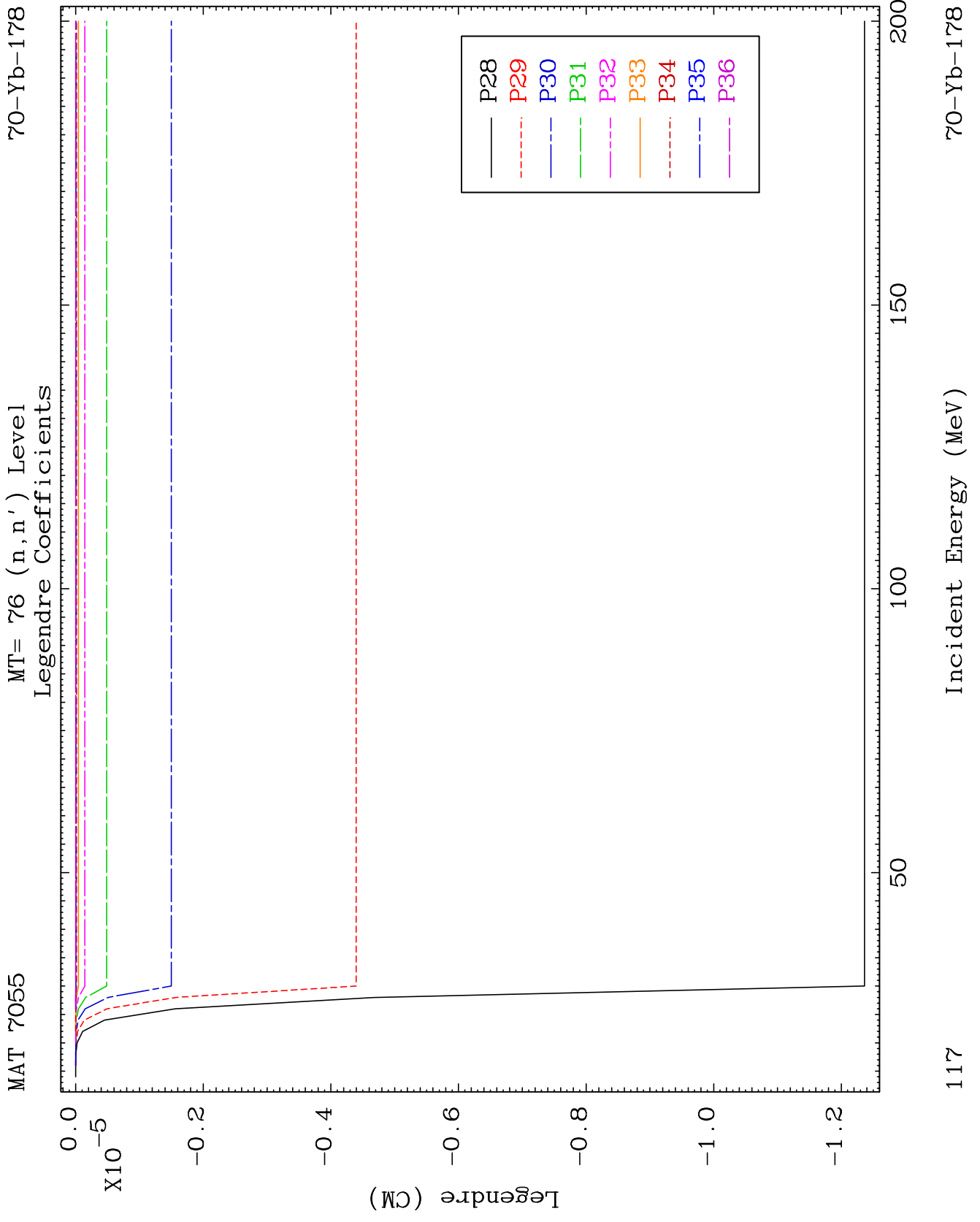
70-Yb-178



116

Incident Energy (MeV)

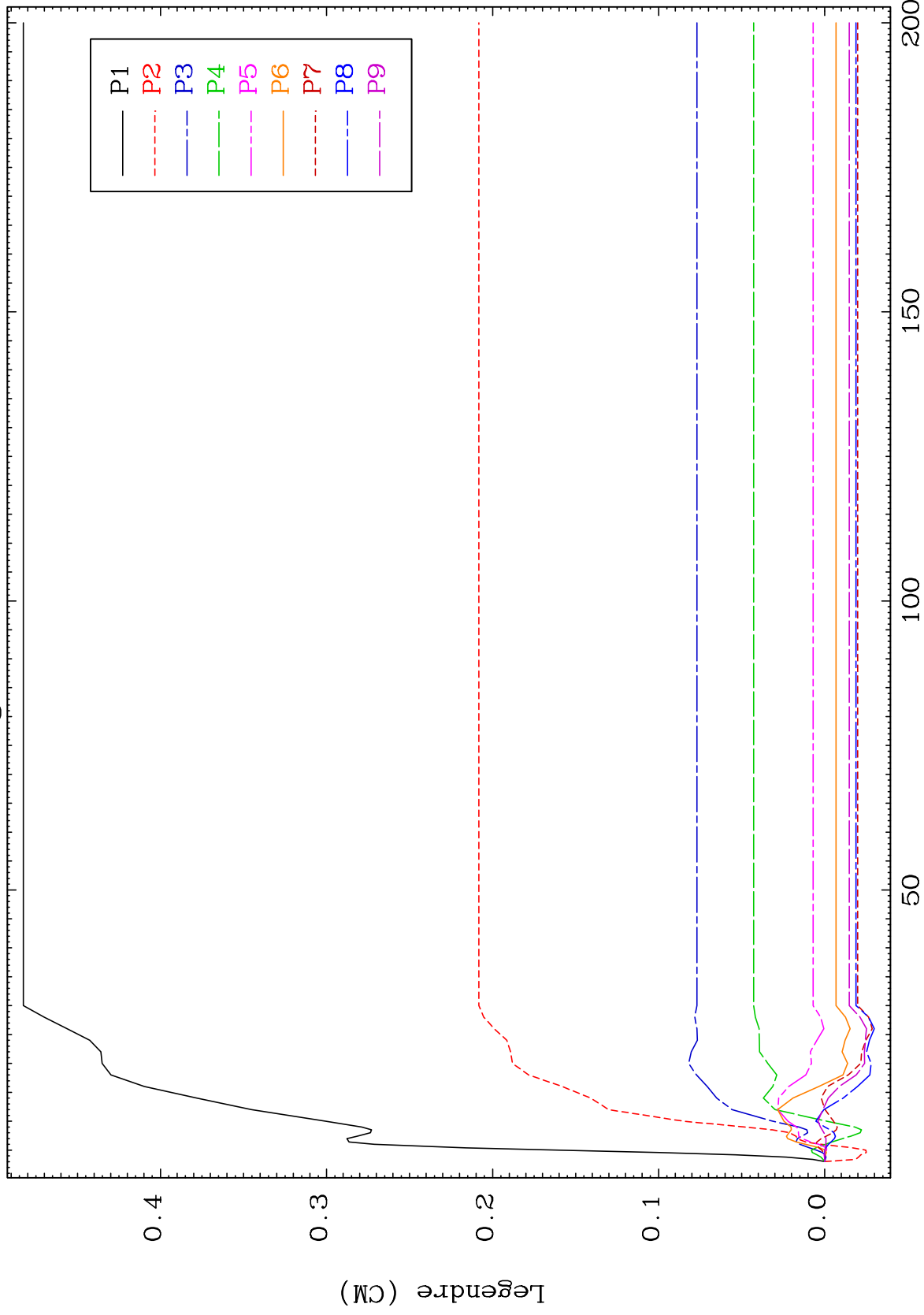
70-Yb-178



MAT 7055

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

70-Yb-178



118

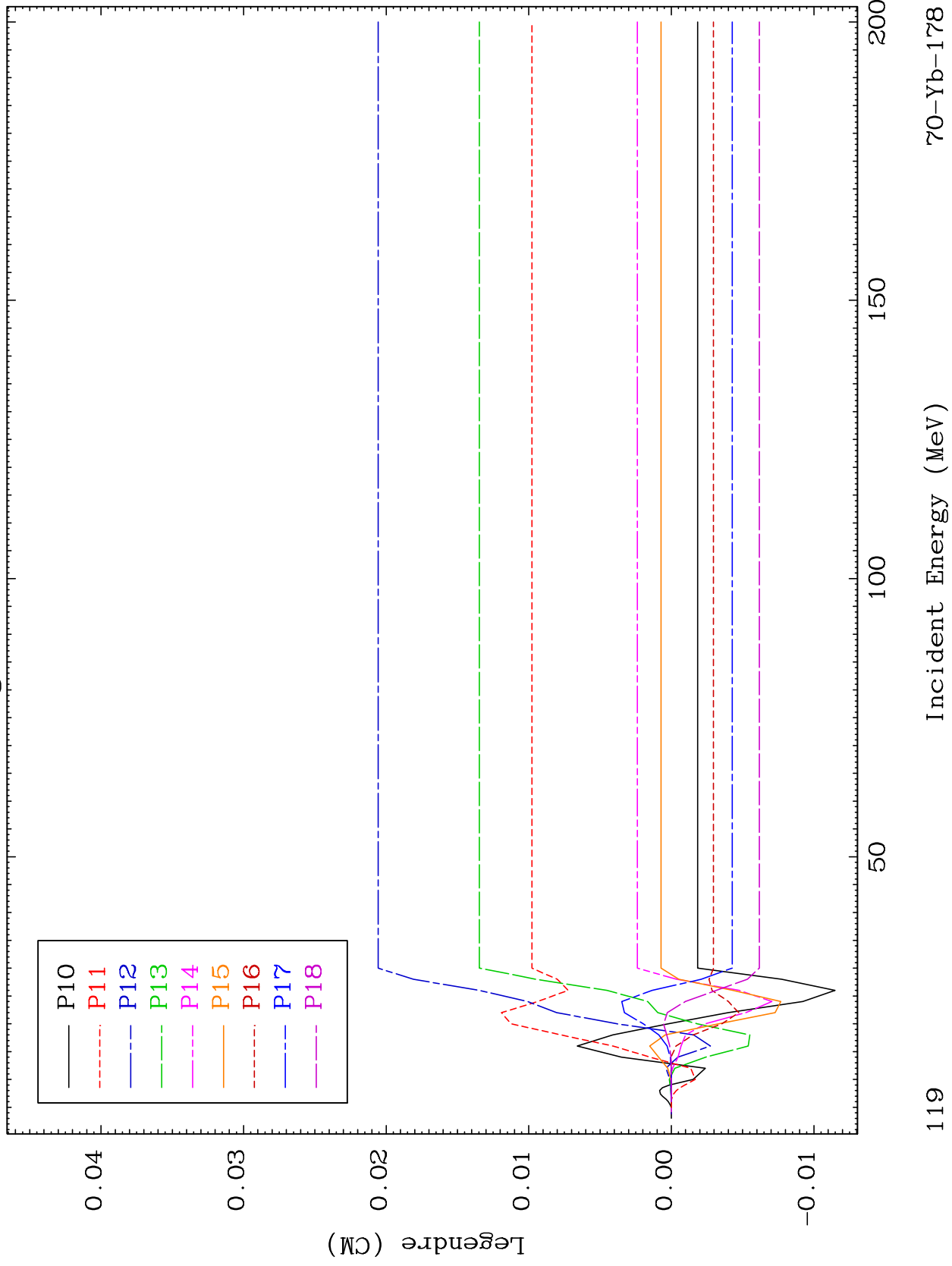
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



119

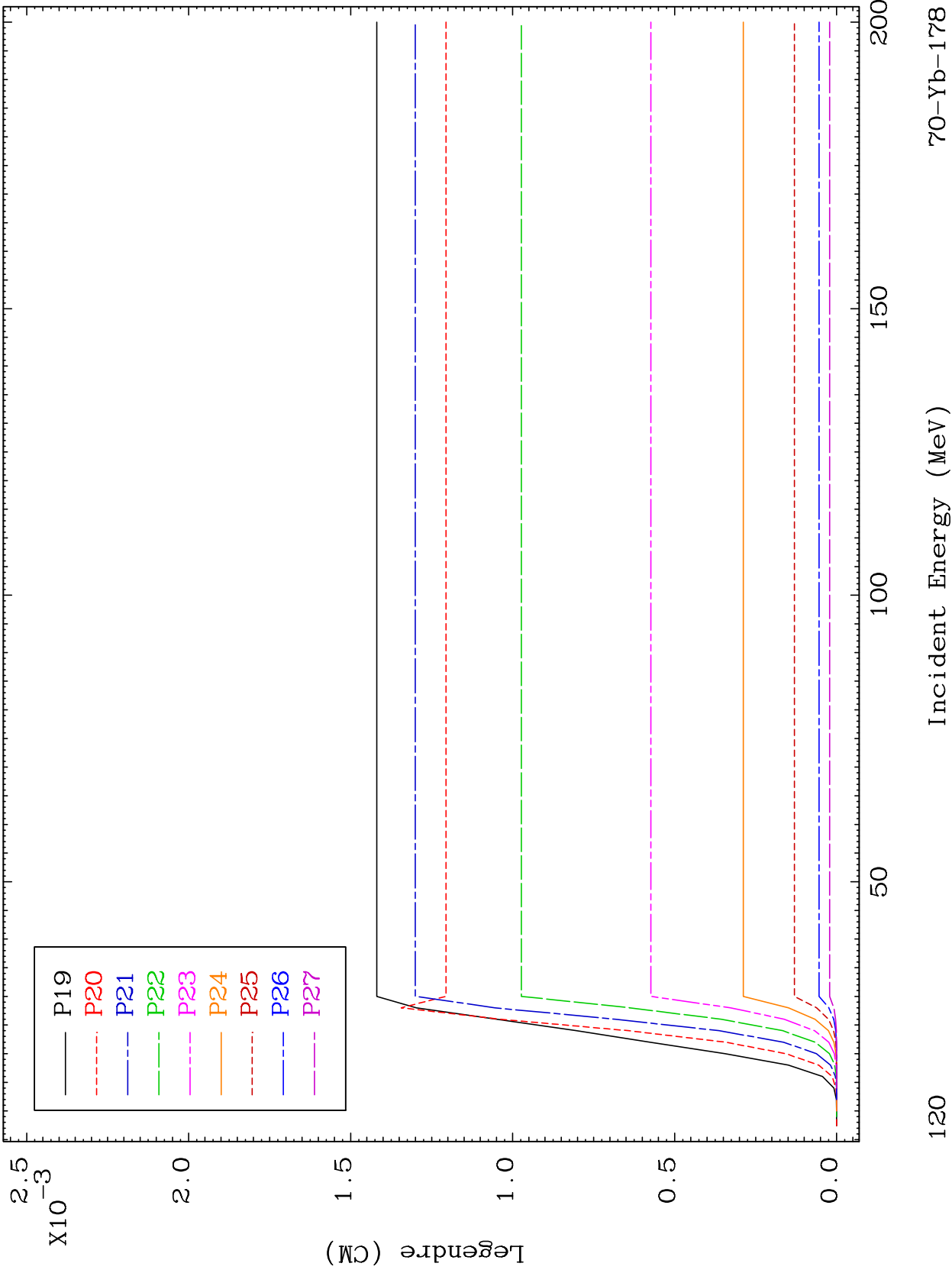
70-Yb-178



MAT 70555

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

70-Yb-178



120

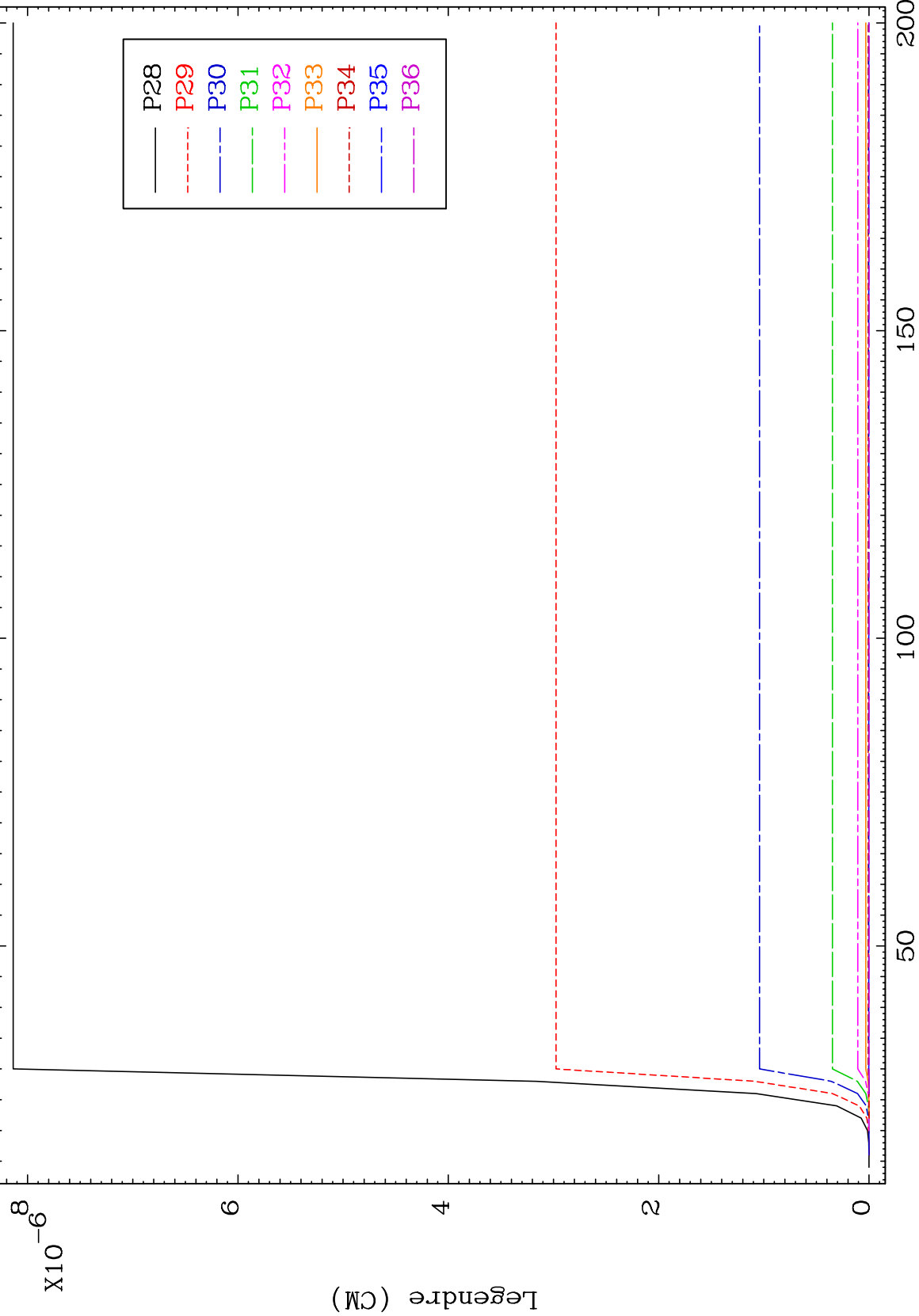
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

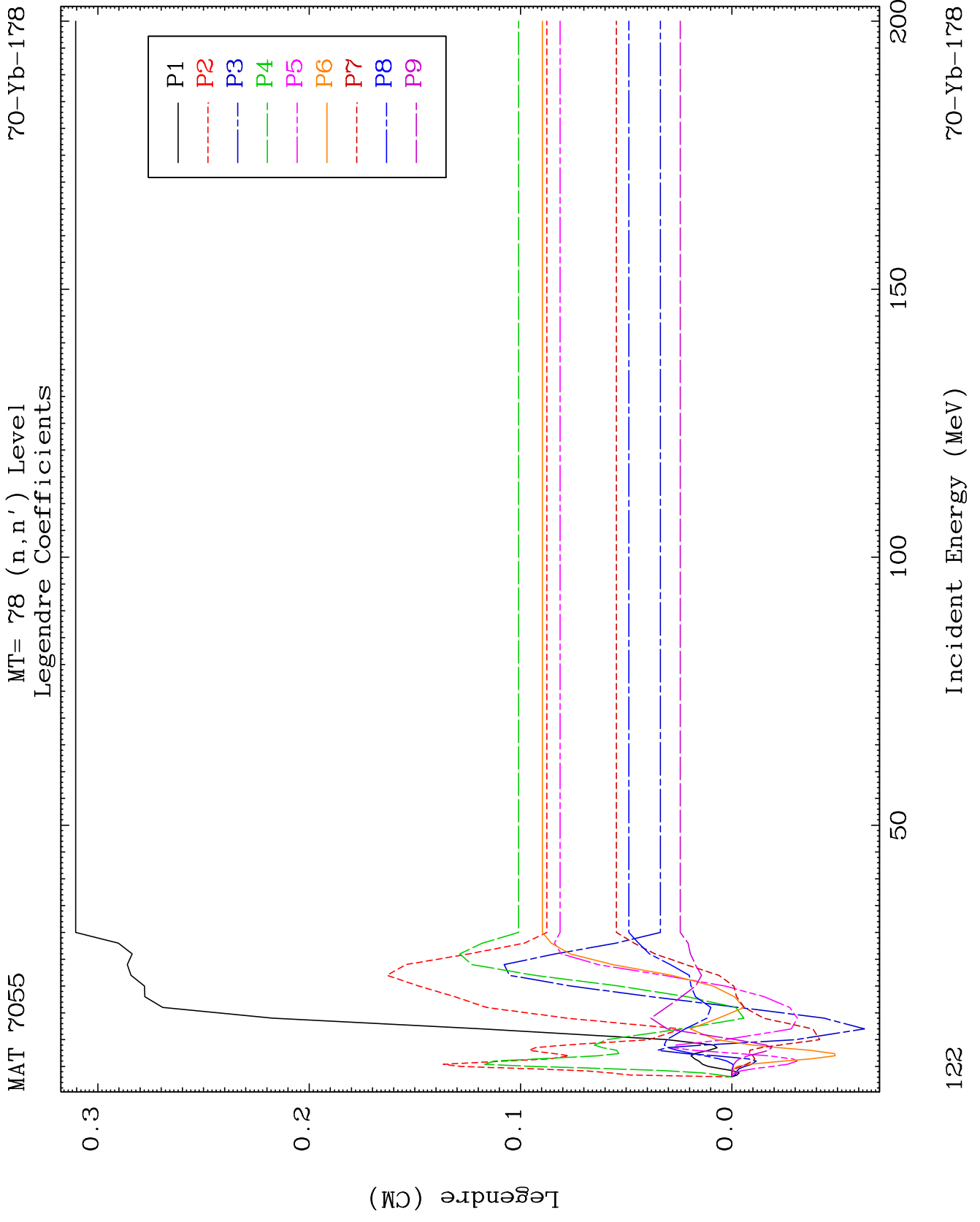
70-Yb-178



121

Incident Energy (MeV)

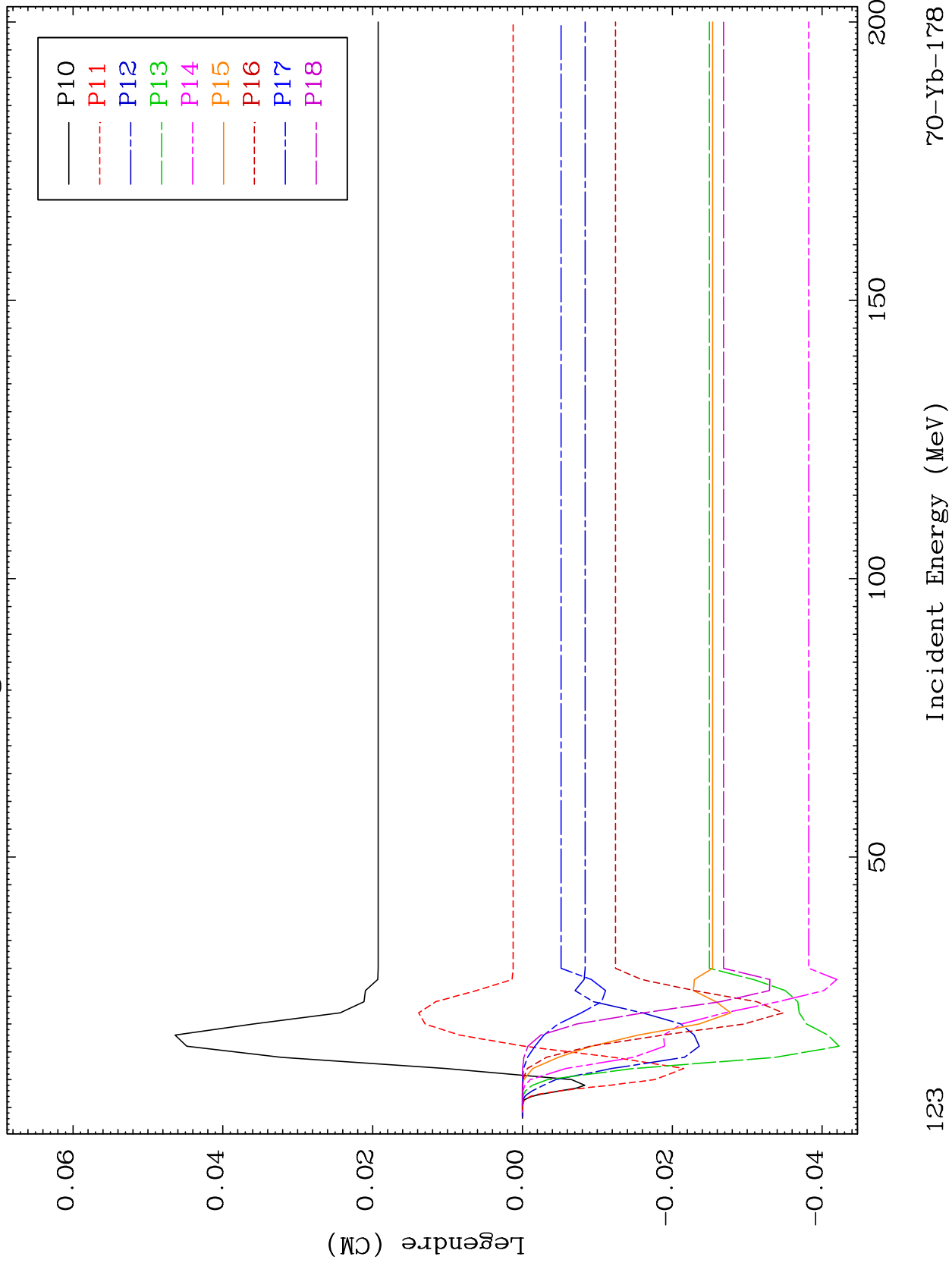
70-Yb-178



MAT 7055

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

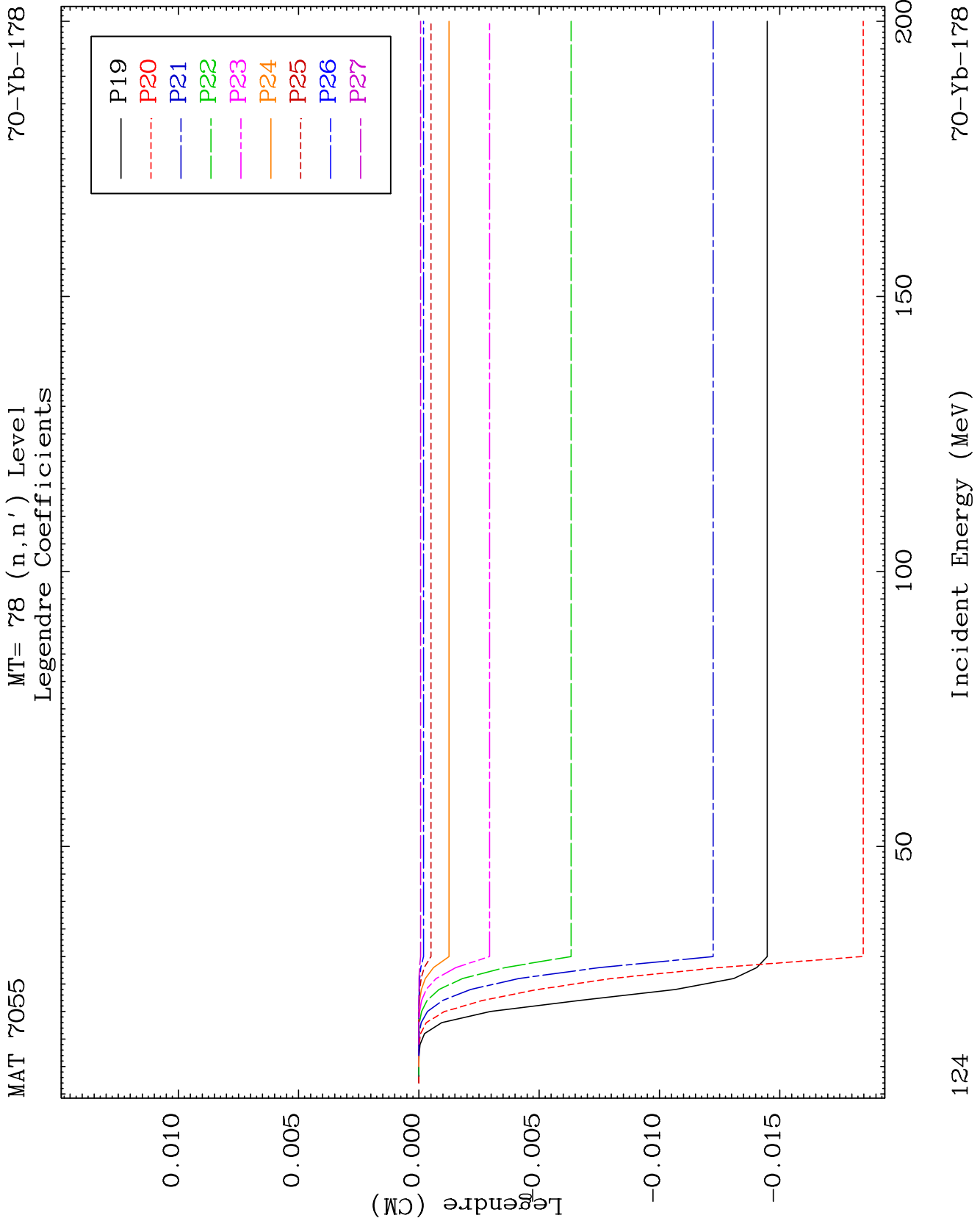
70-Yb-178

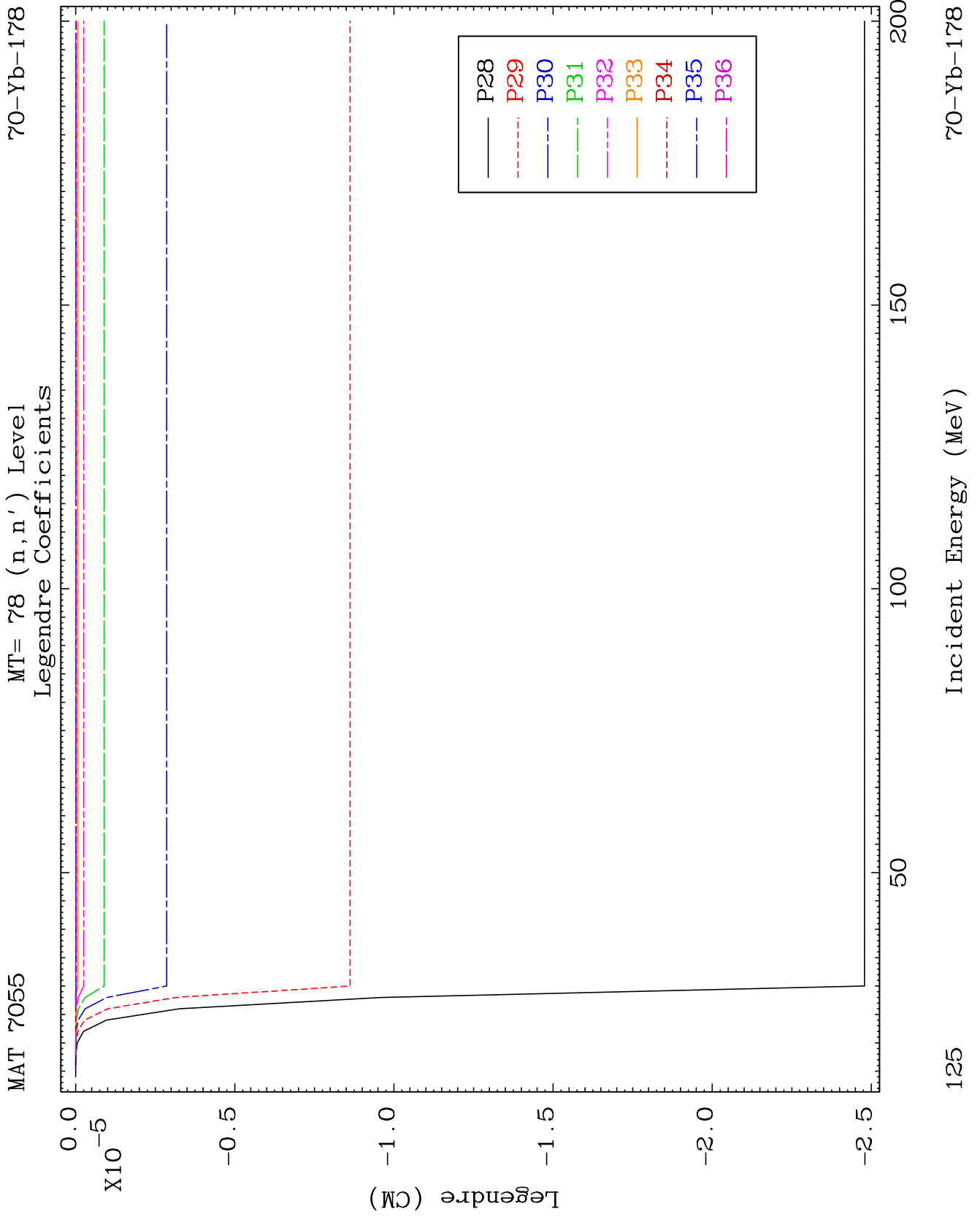


123

Incident Energy (MeV)

70-Yb-178

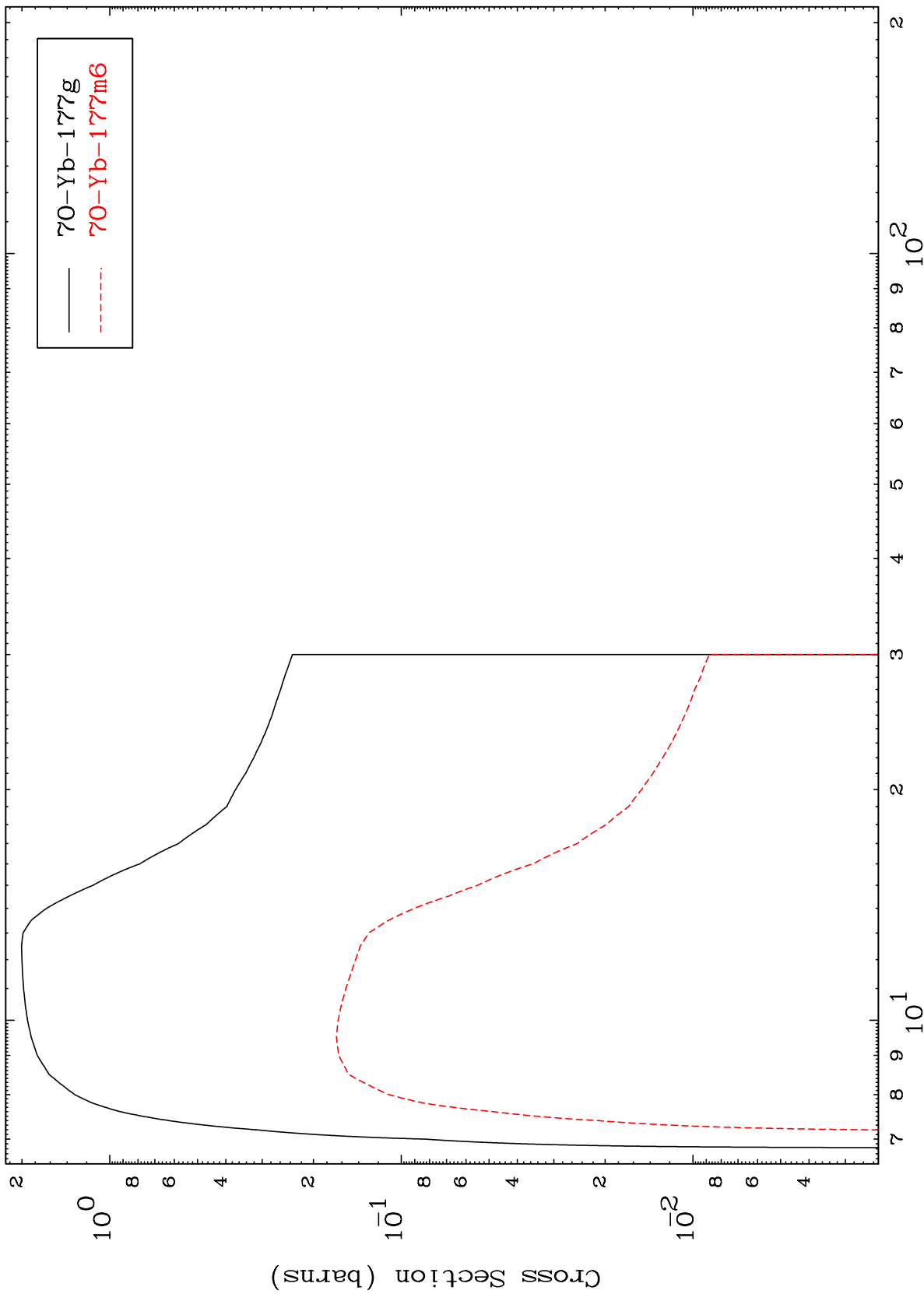




MAT 7055

70-Yb-178

(n,2n)  
Radionuclide Production Cross Section



126

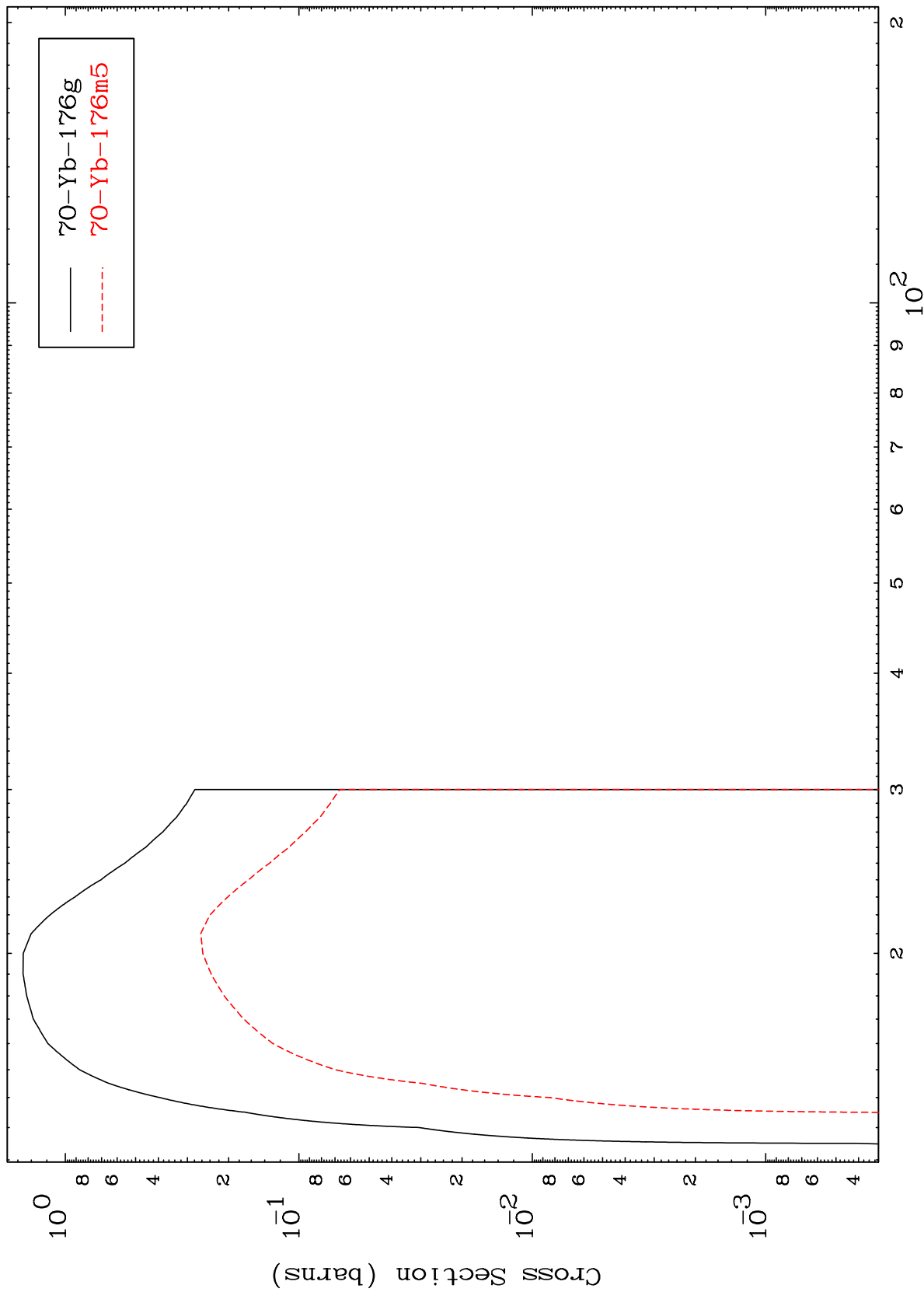
Incident Energy (MeV)

70-Yb-178

MAT 7055

70-Yb-178

(n,3n)  
Radionuclide Production Cross Section



127

Incident Energy (MeV)

70-Yb-178