

Program EVALPLOT
(Version 2018-1)

by

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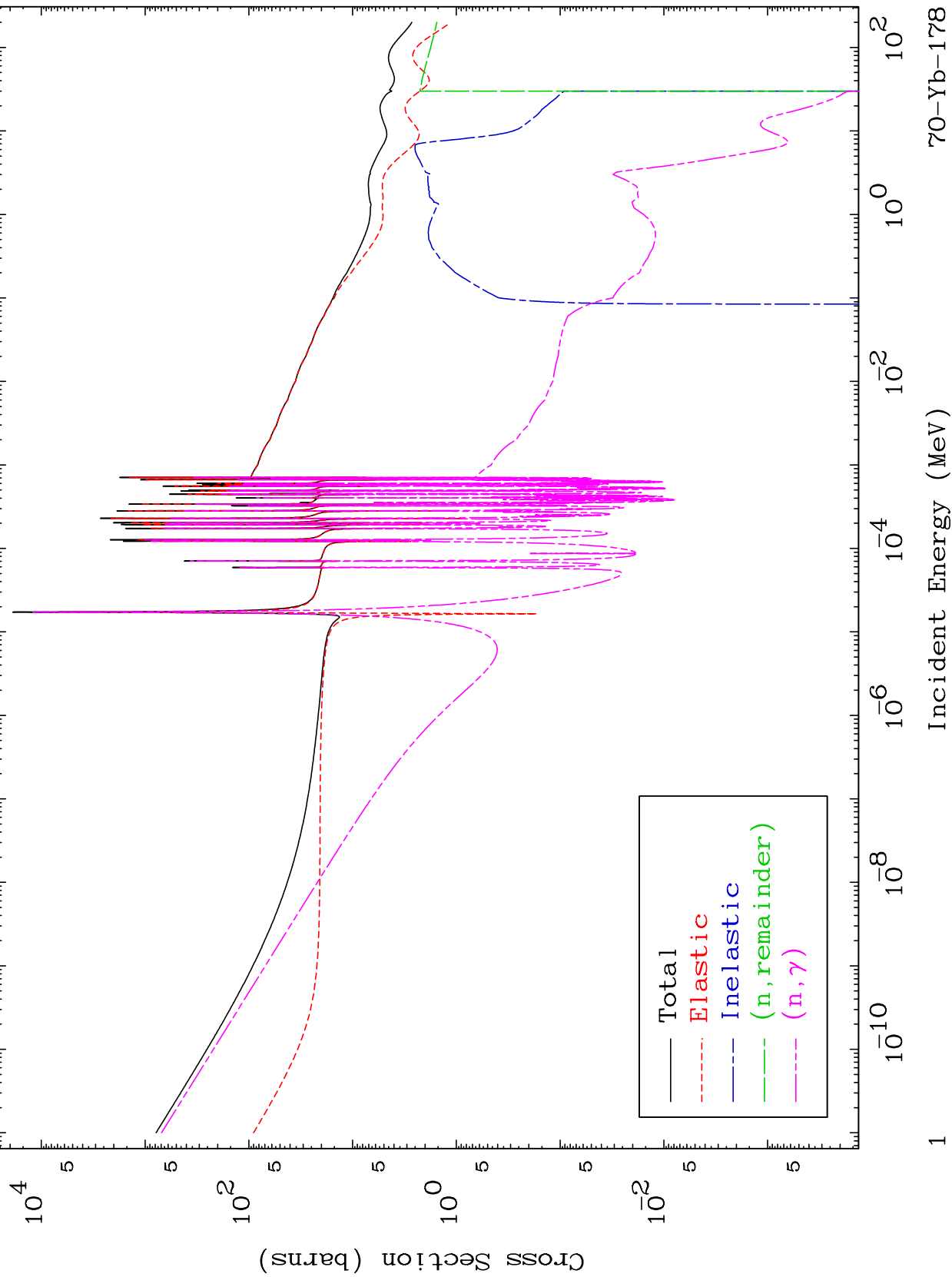
Press Mouse Button to Start

MAT 7055

Major

293 Kelvin Cross Sections

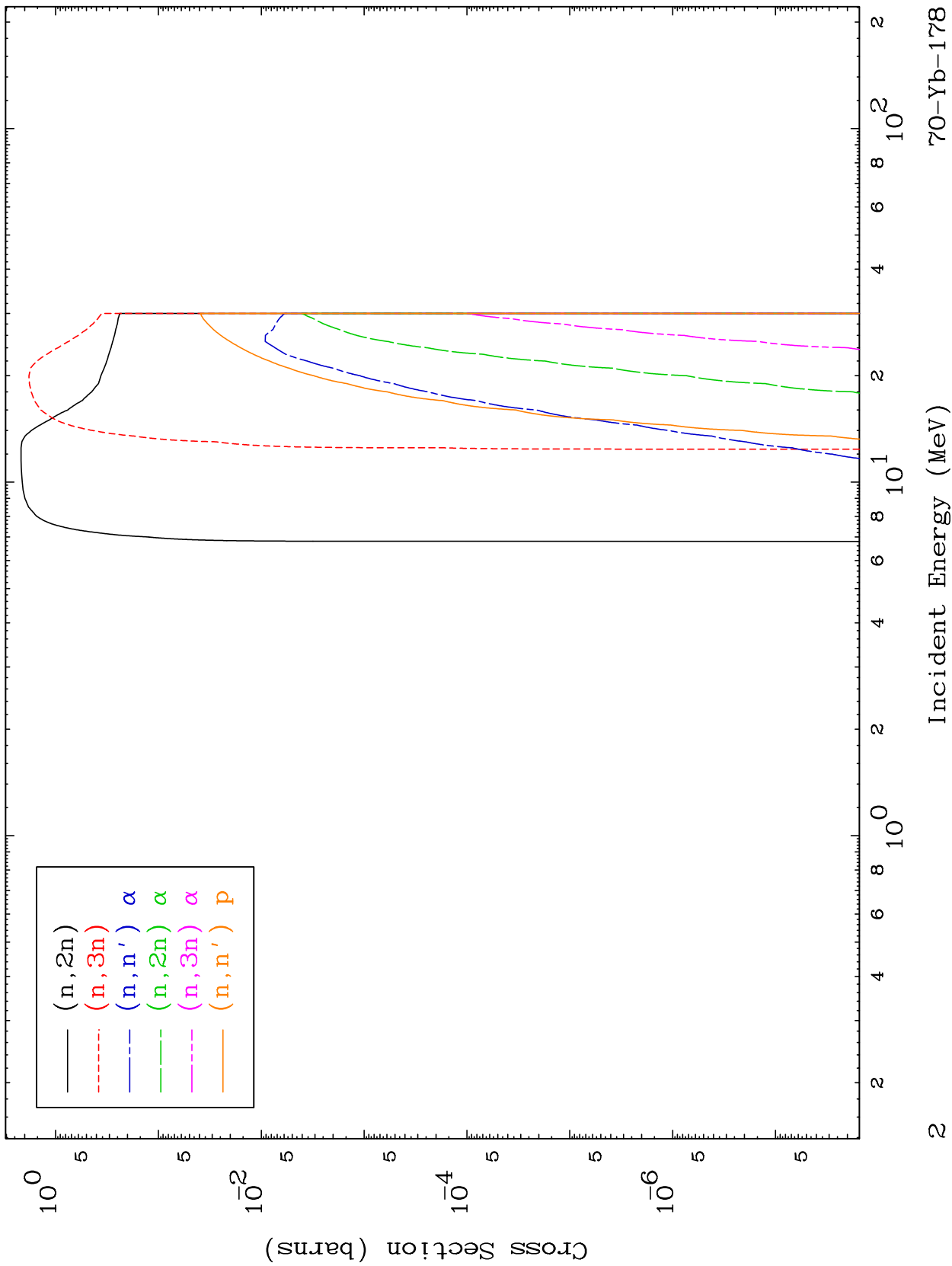
70-Yb-178



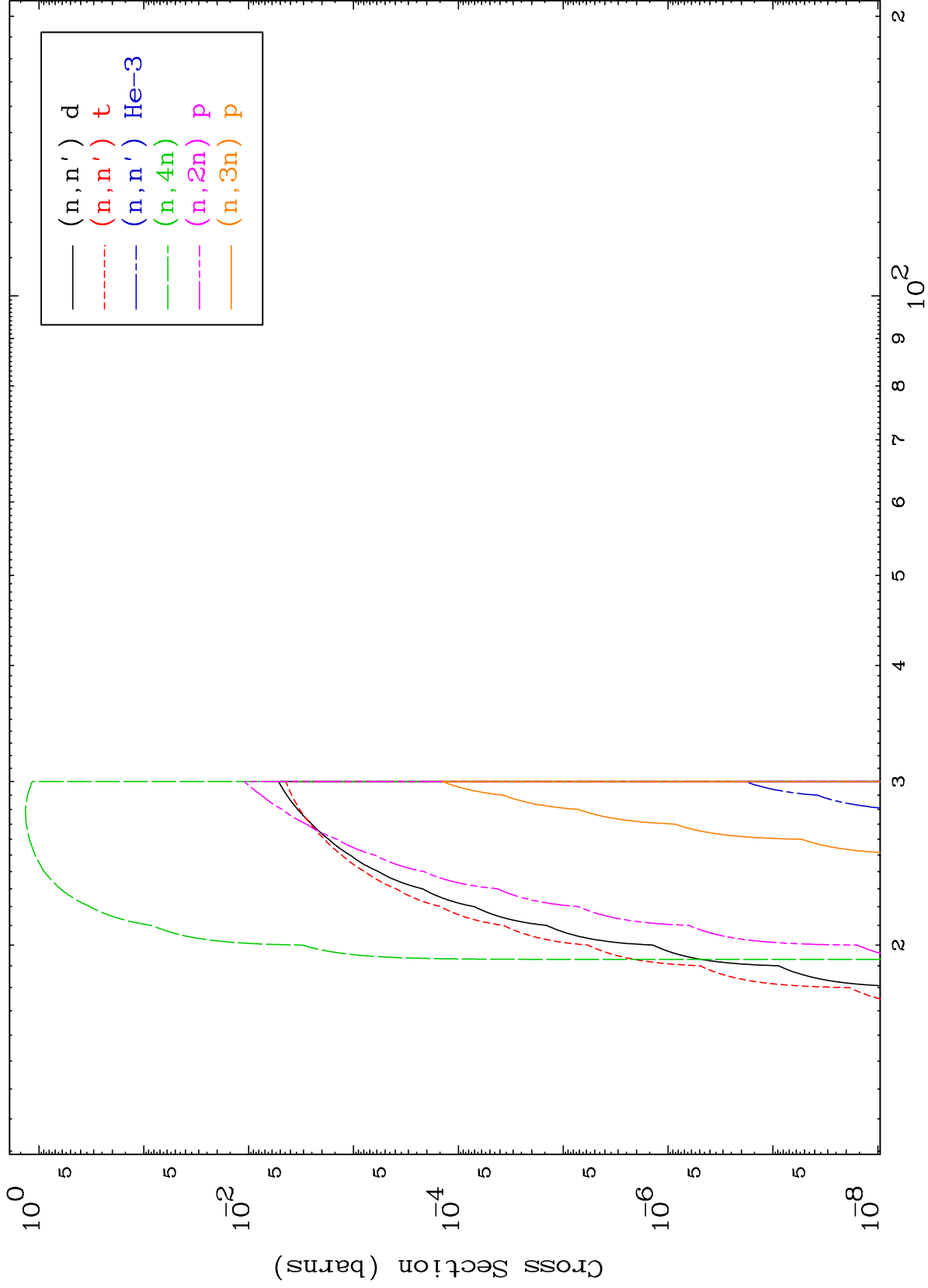
MAT 7055

Neutron Production
293 Kelvin Cross Sections

70-Yb-178



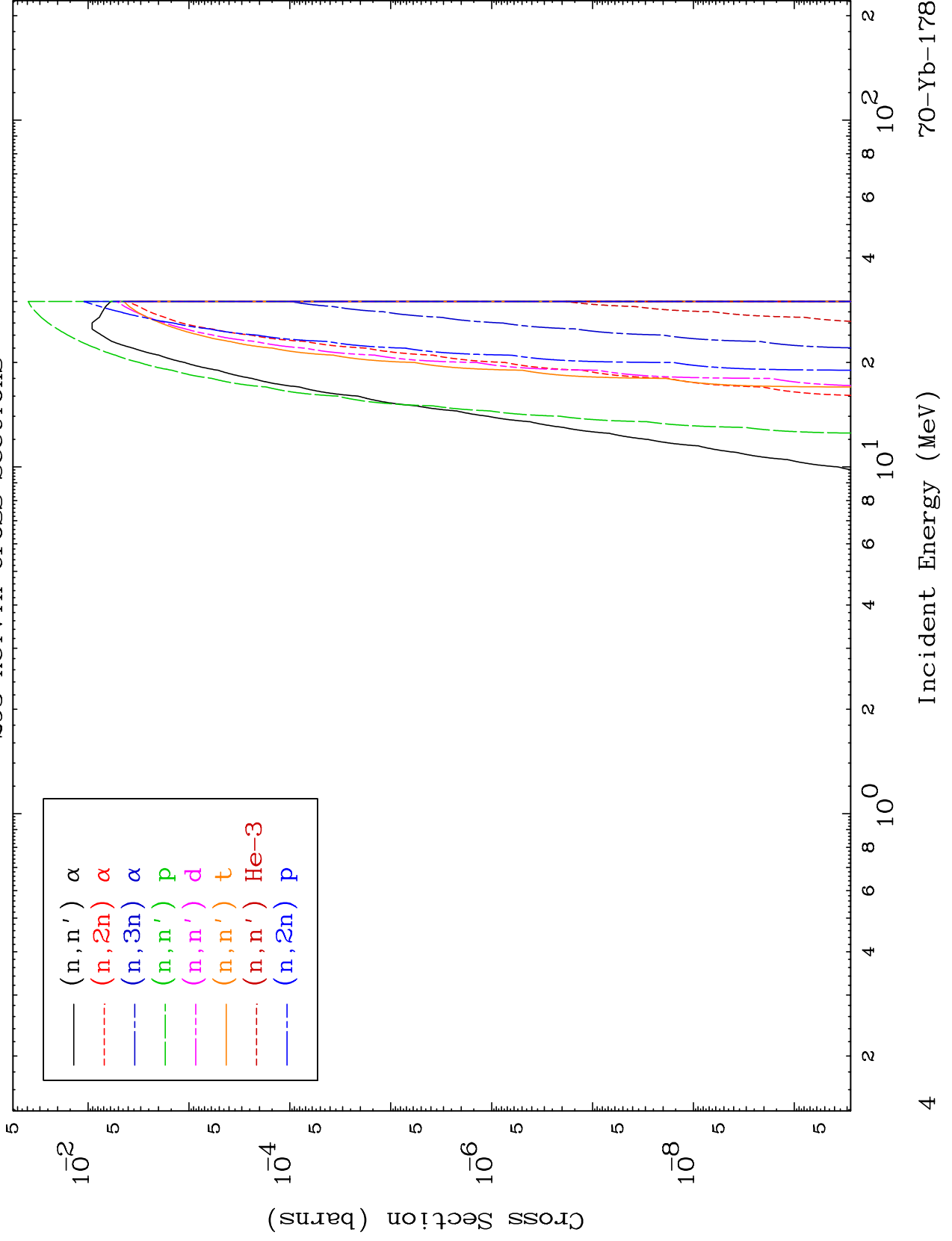
70-Yb-178



MAT 7055

Charged Particle
293 Kelvin Cross Sections

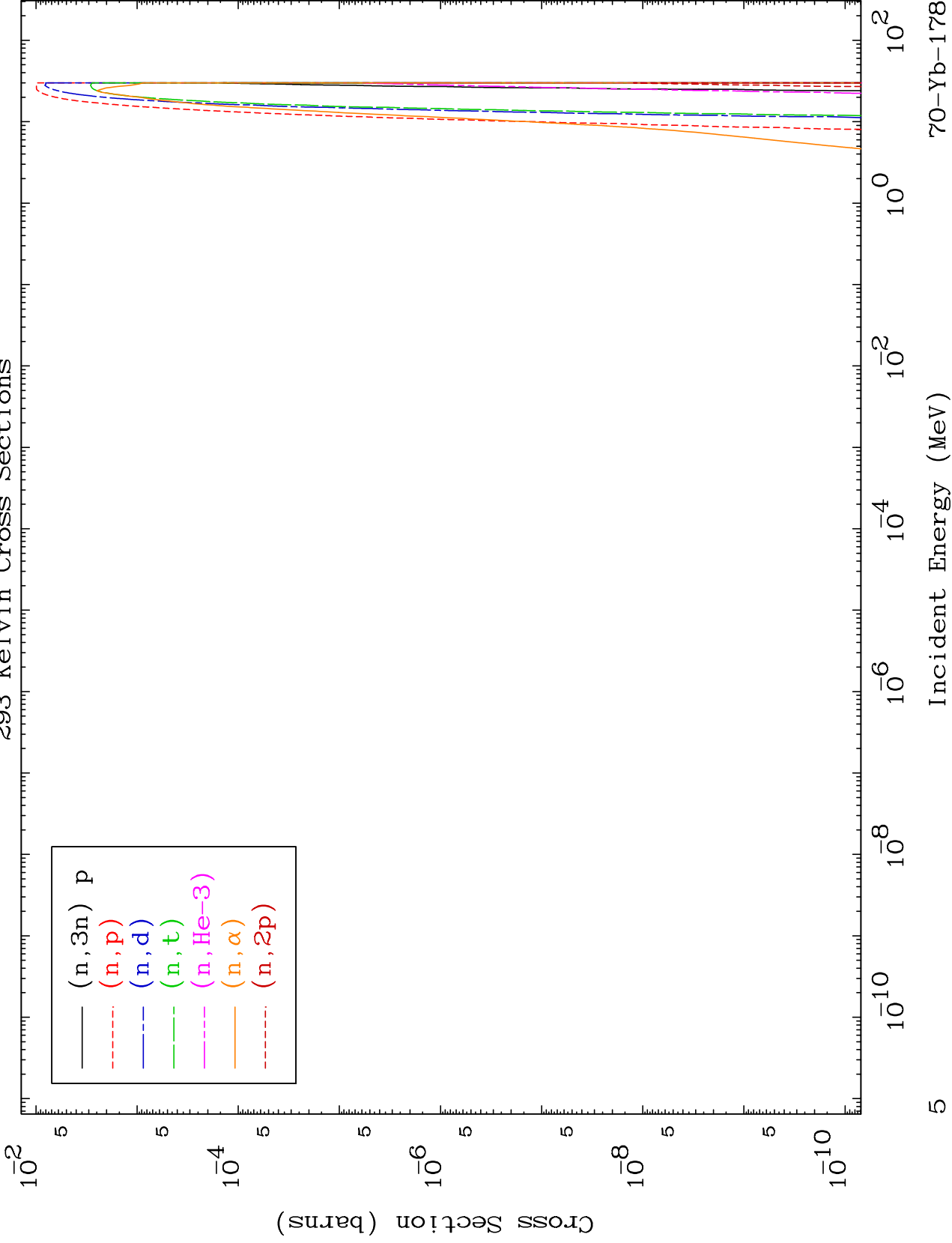
70-Yb-178

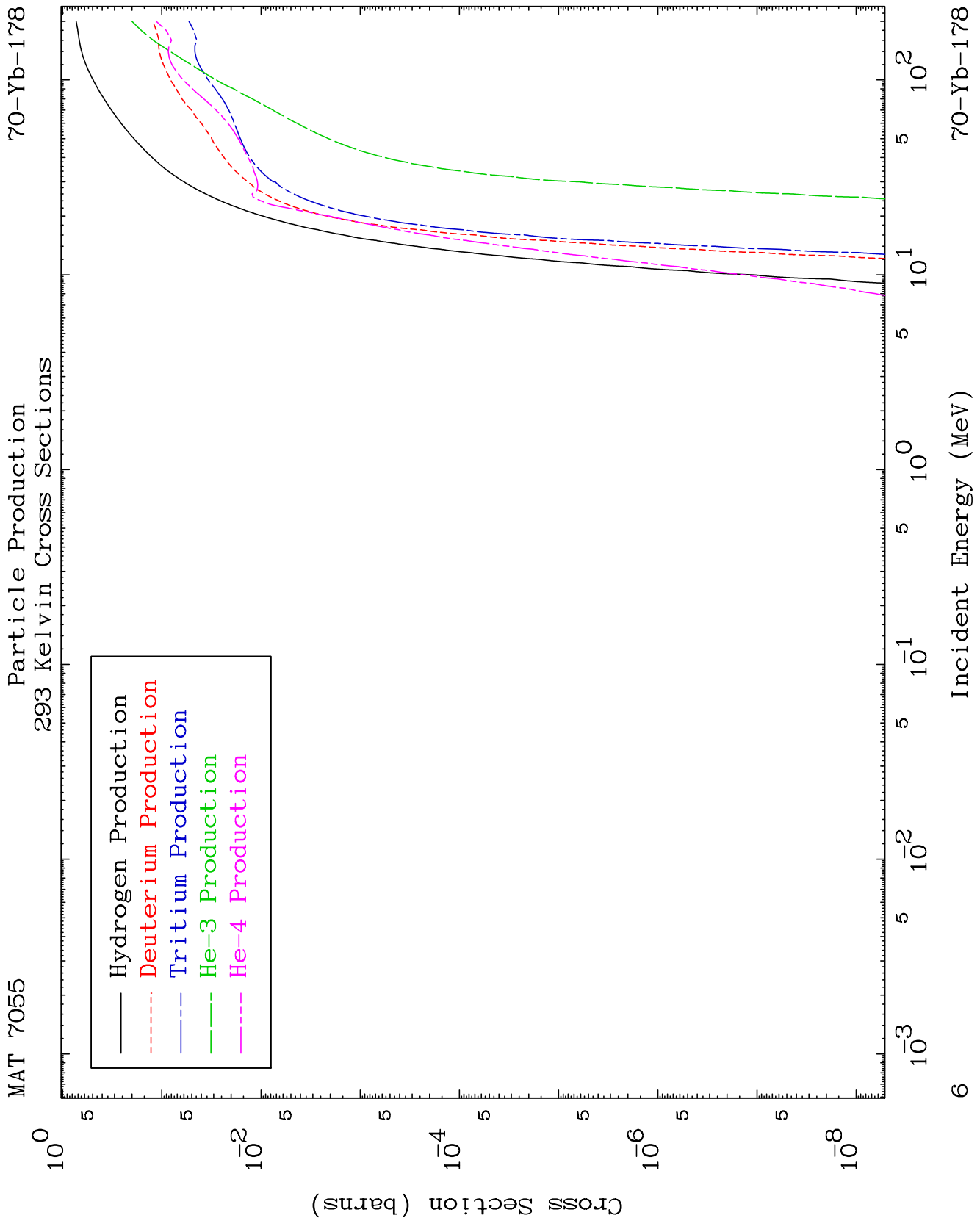


MAT 7055

Charged Particle
293 Kelvin Cross Sections

70-Yb-178



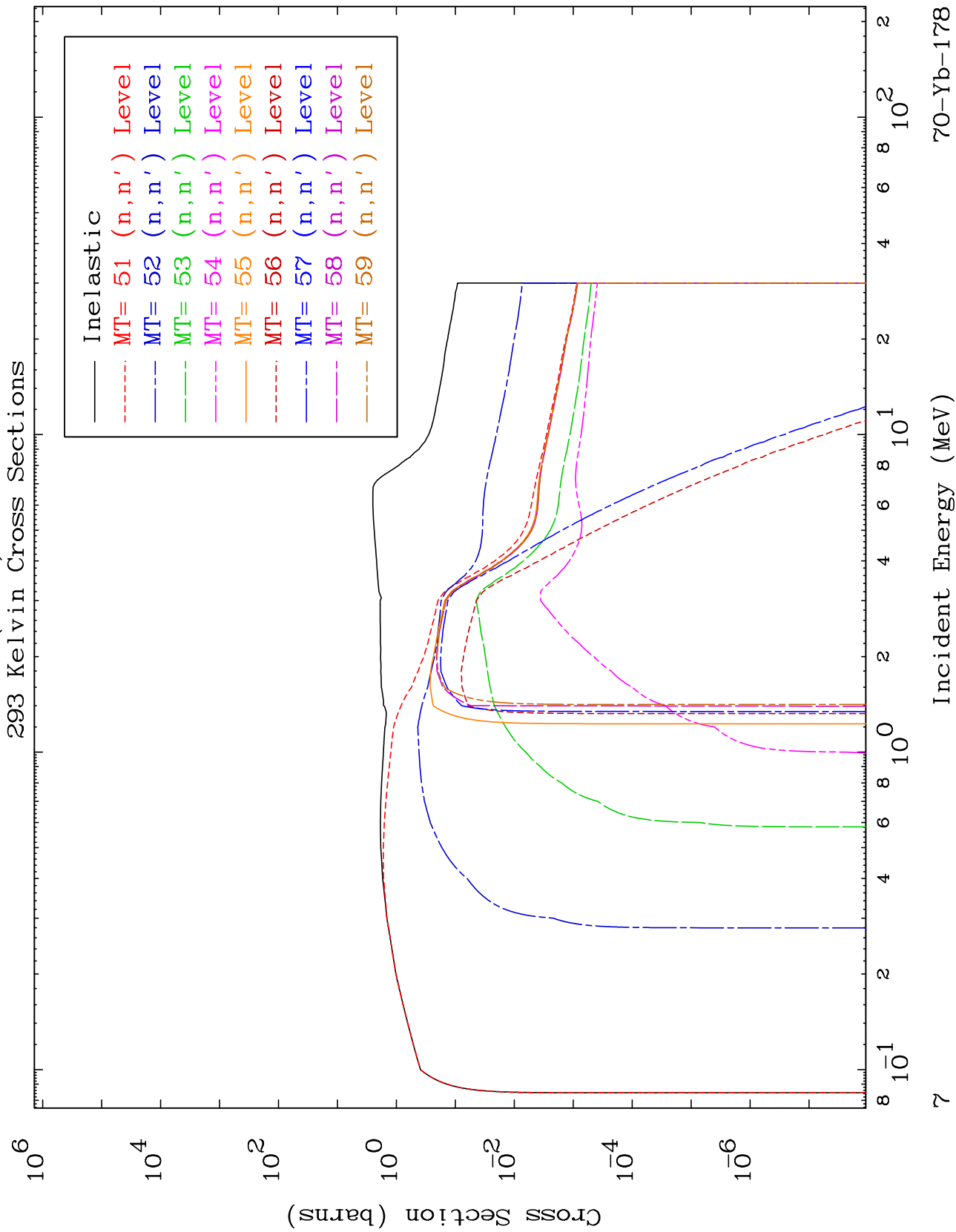


MAT 7055

(n,n') Level

70-Yb-178

293 Kelvin Cross Sections



70-Yb-178

Incident Energy (MeV)

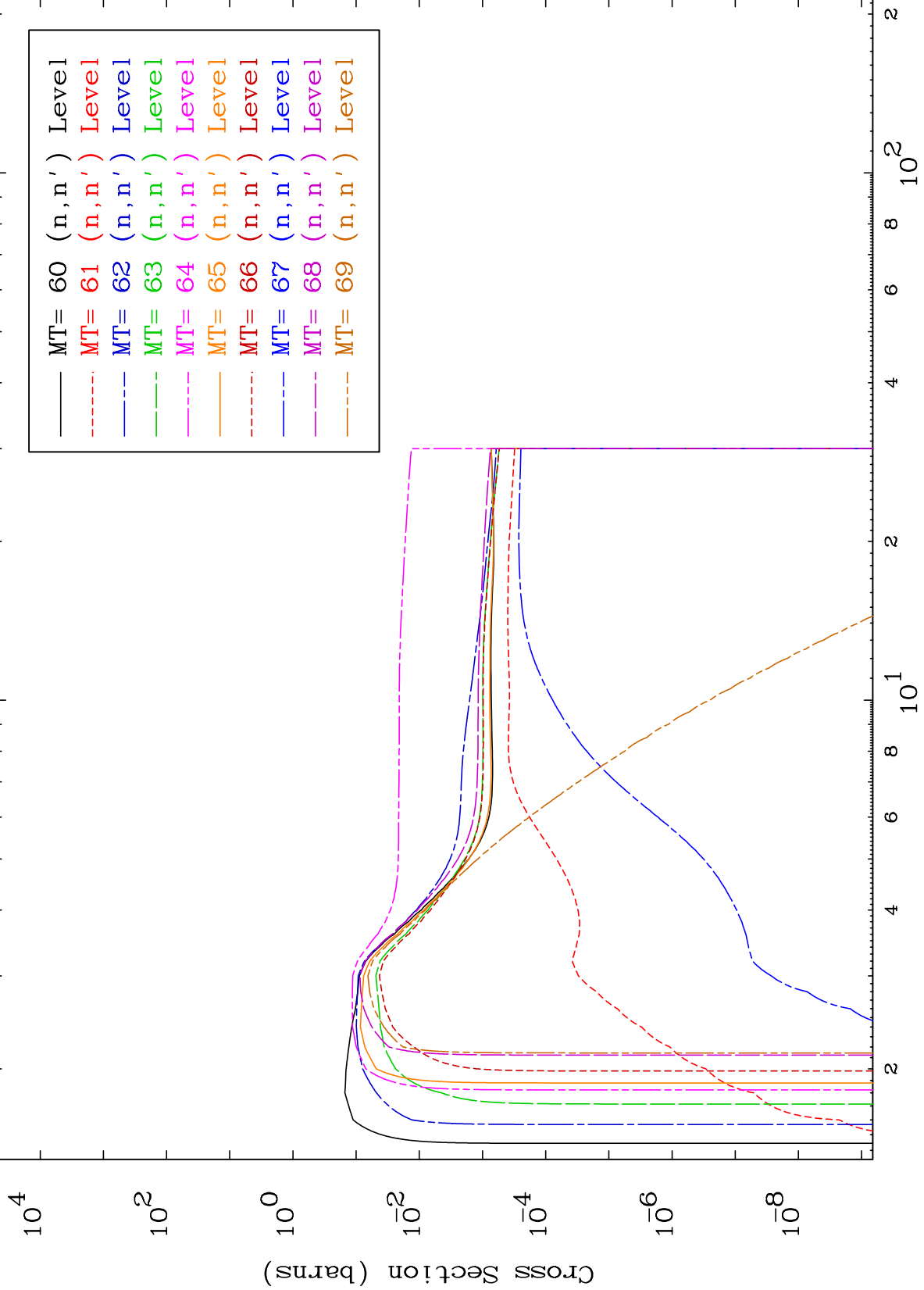
7

MAT 7055

(n,n') Level

293 Kelvin Cross Sections

70-Yb-178



8

Incident Energy (MeV)

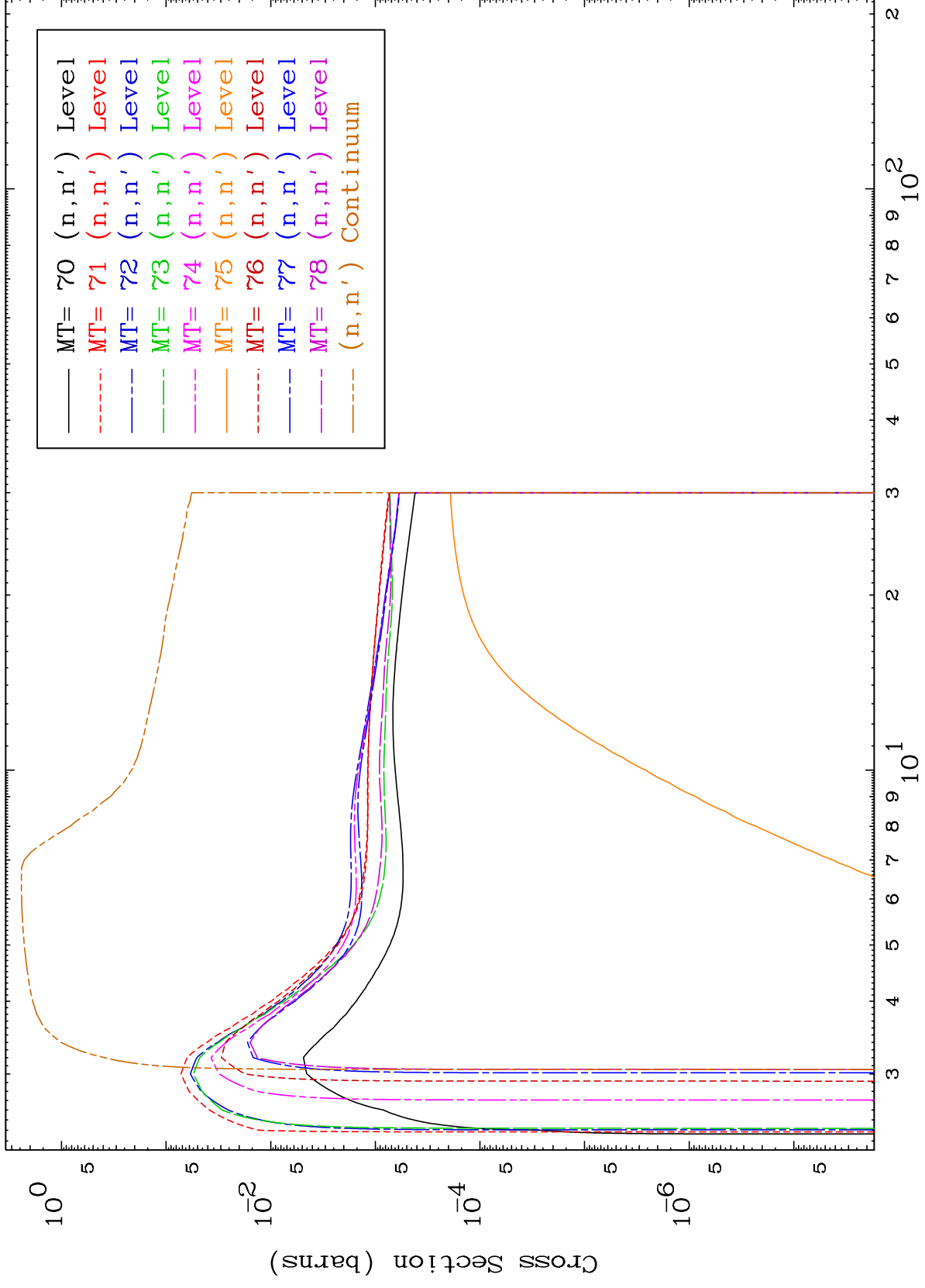
70-Yb-178

MAT 7055

(n,n') Level

70-Yb-178

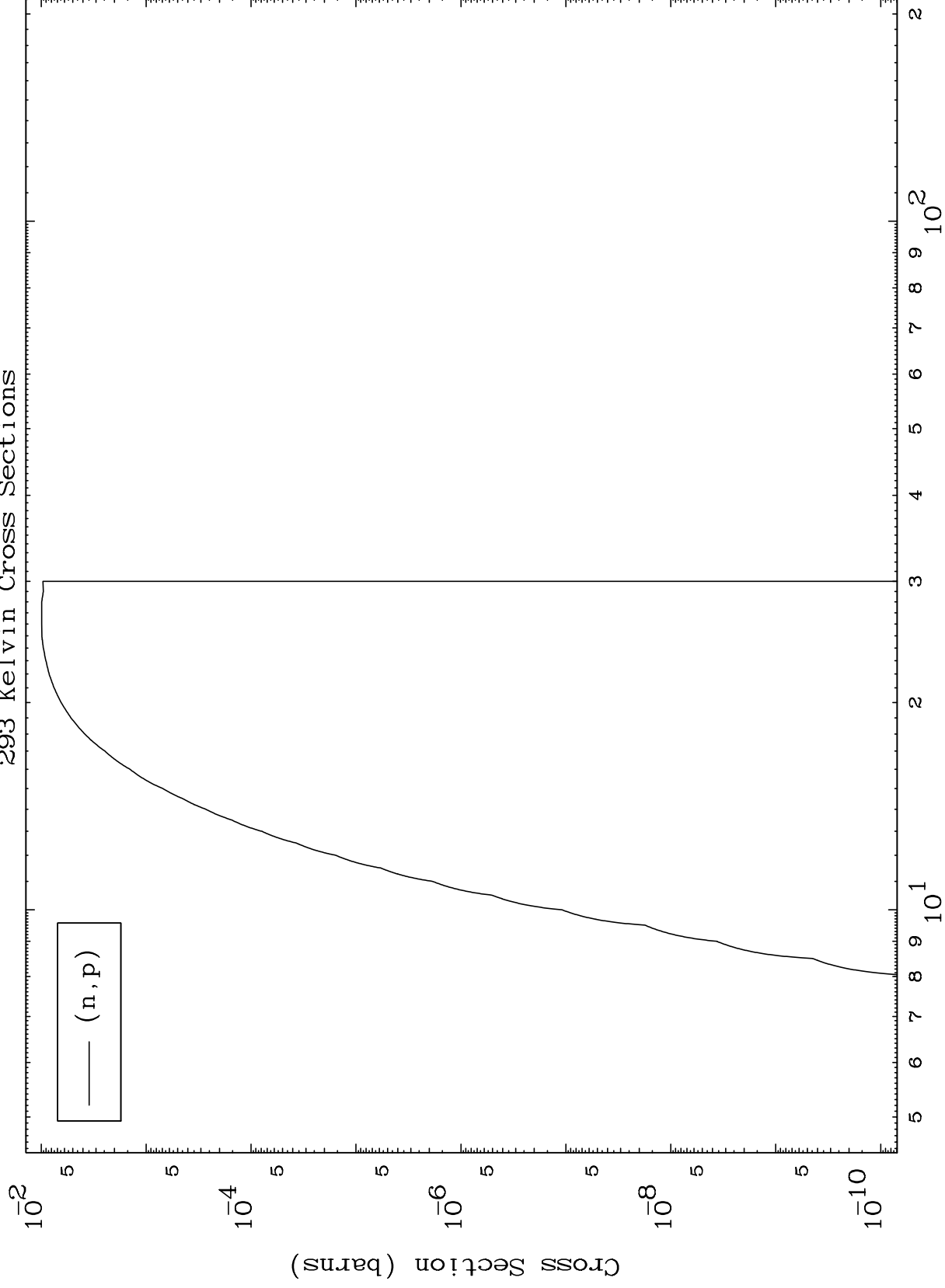
293 Kelvin Cross Sections



MAT 7055

(n,p) Levels
293 Kelvin Cross Sections

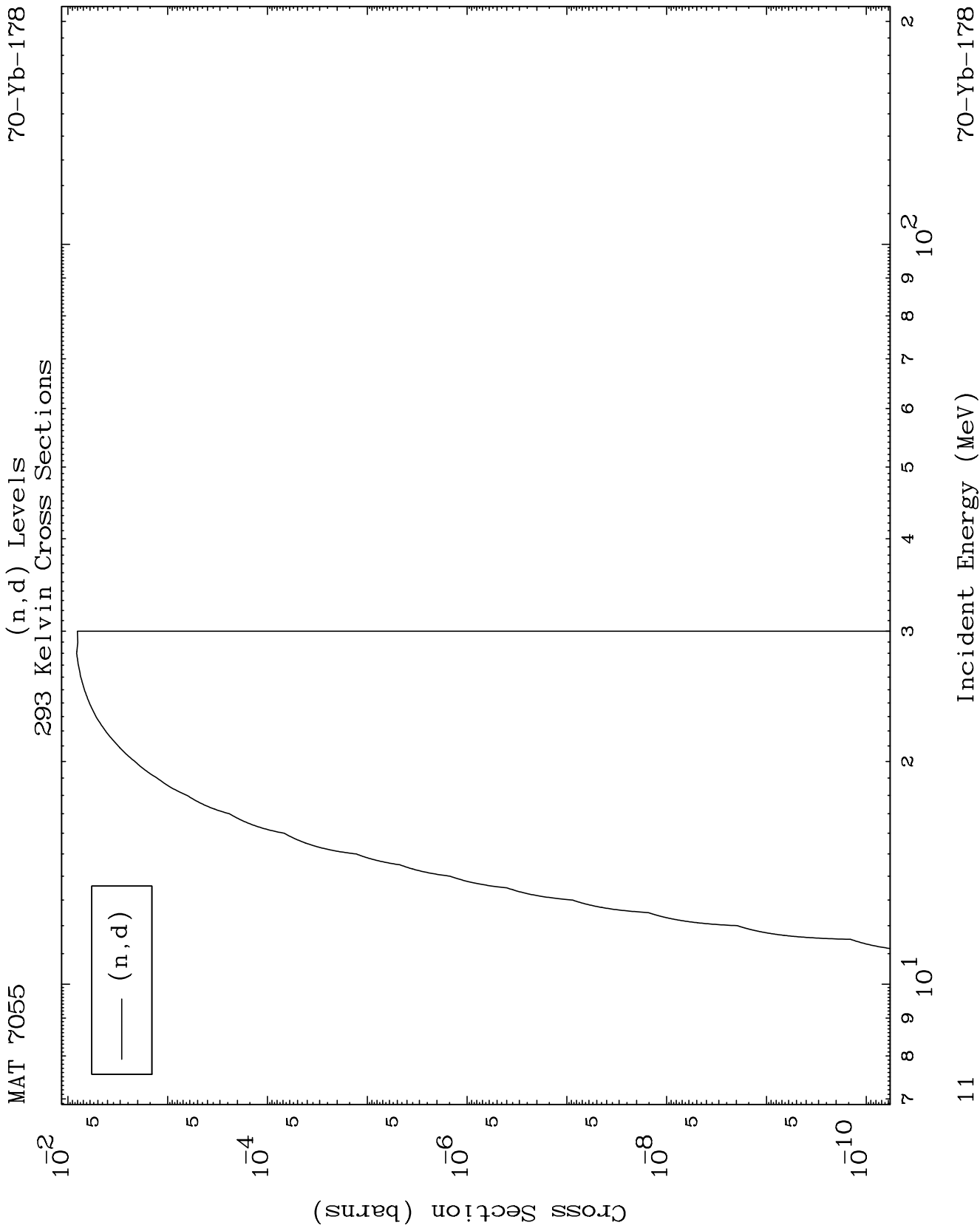
70-Yb-178



10

Incident Energy (MeV)

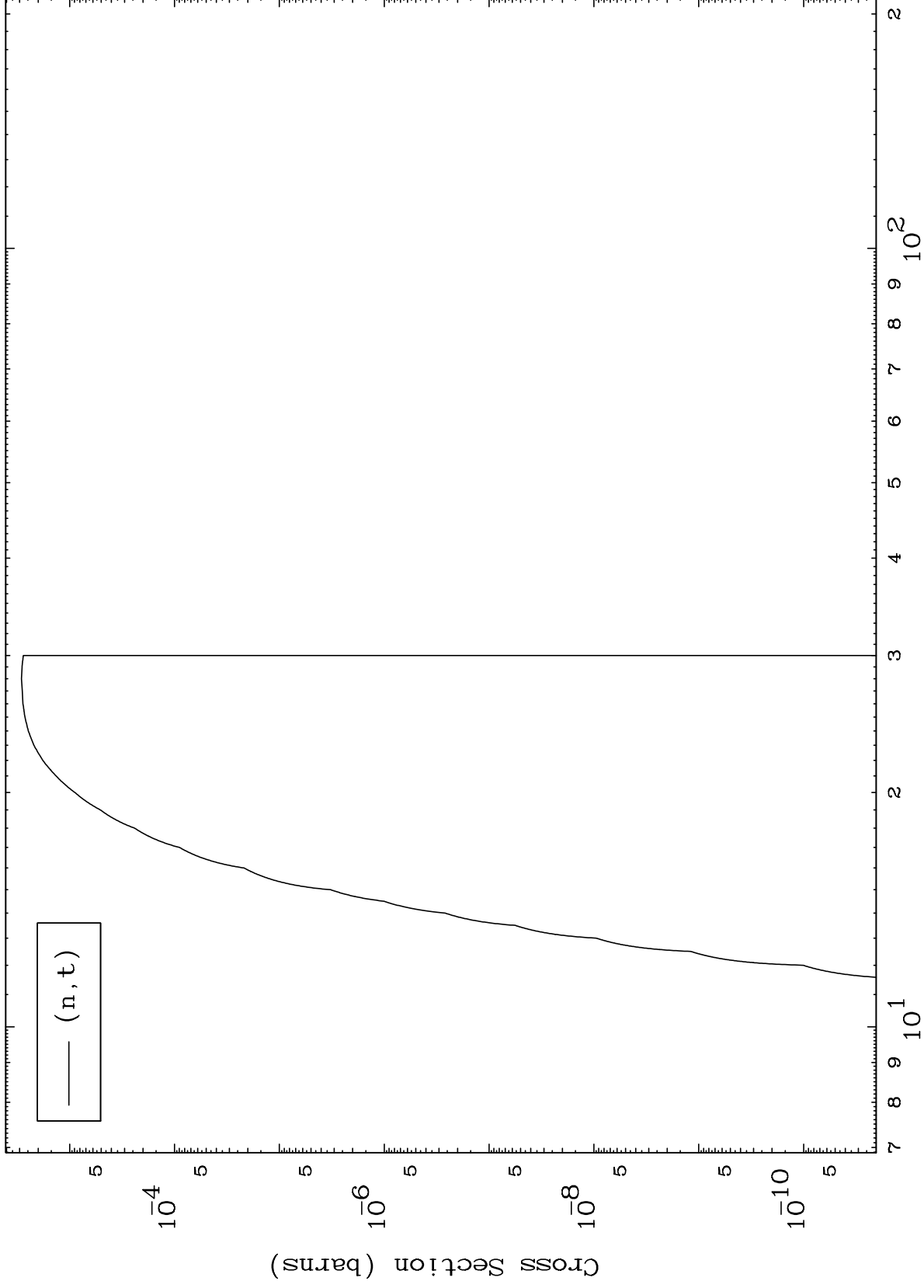
70-Yb-178



MAT 7055

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-178



12

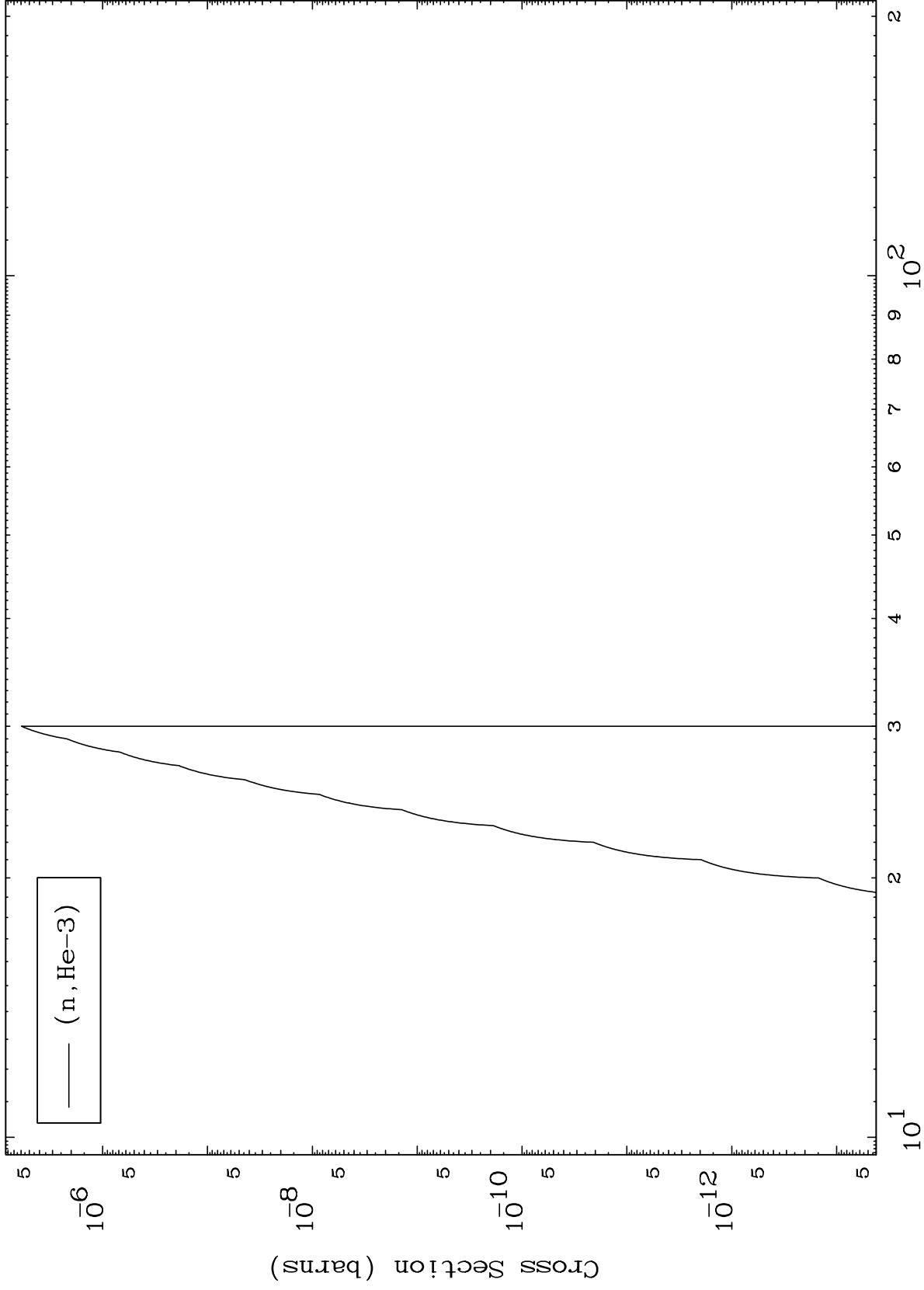
Incident Energy (MeV)

70-Yb-178

MAT 7055

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-178



70-Yb-178

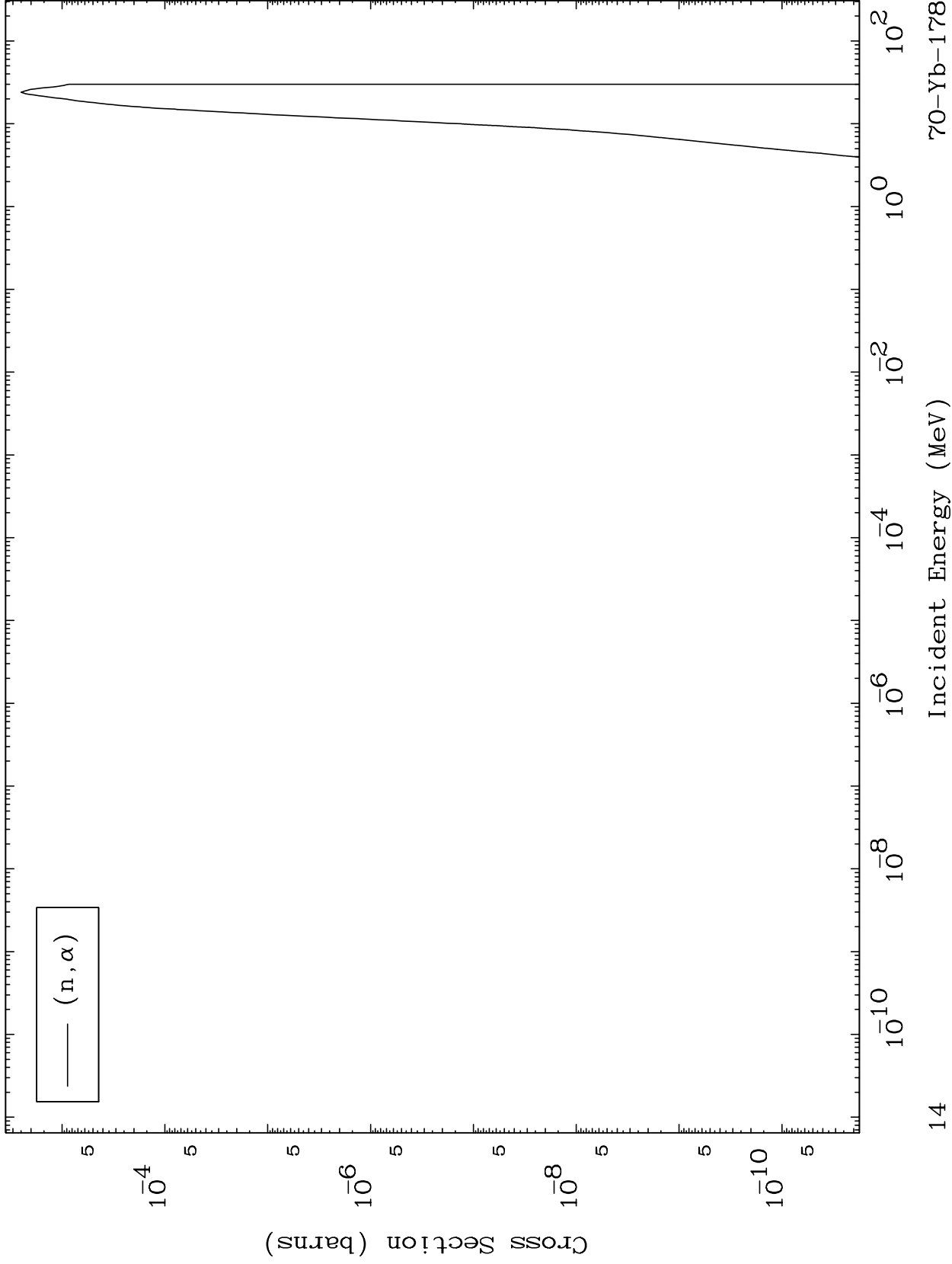
Incident Energy (MeV)

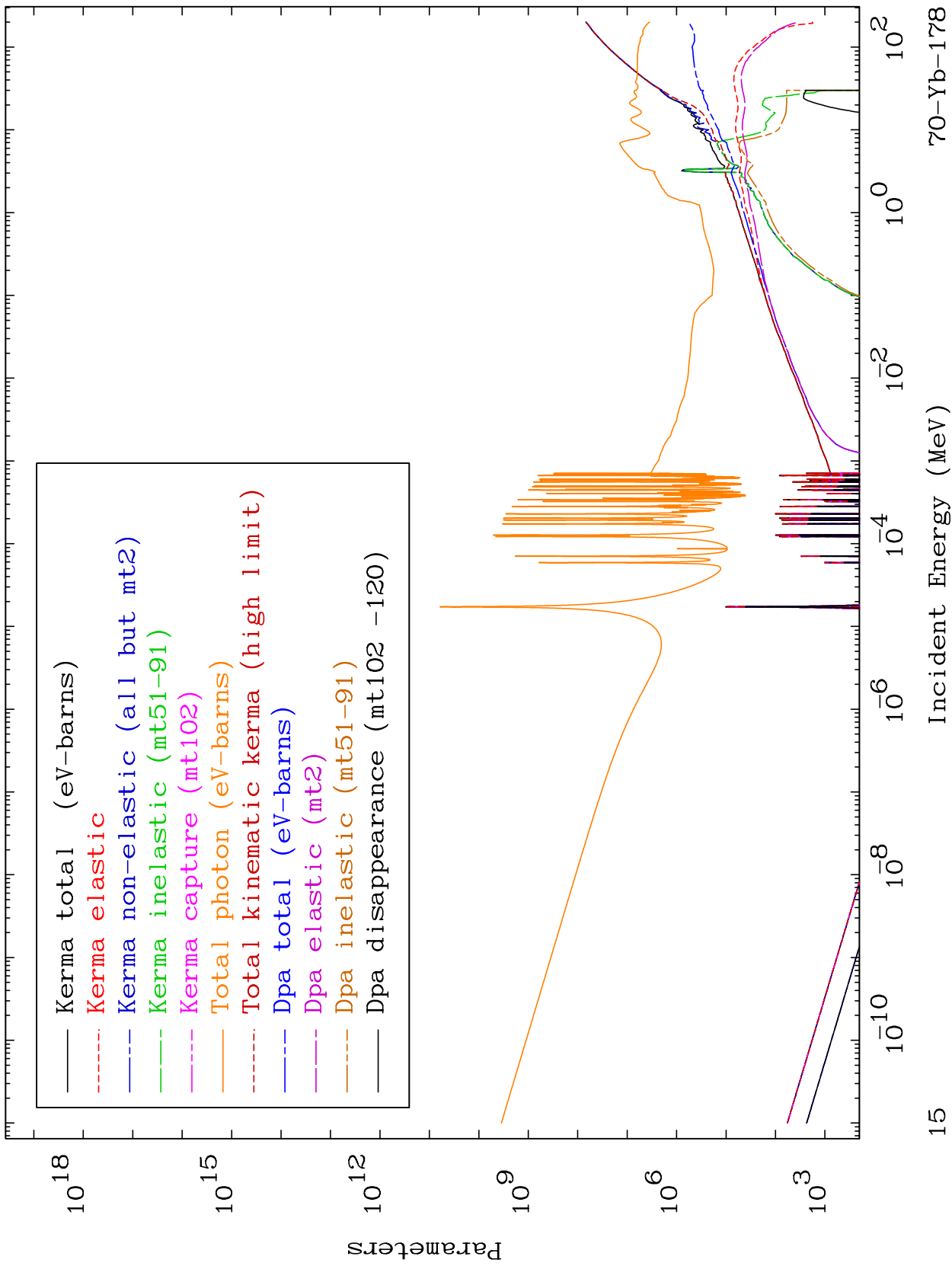
13

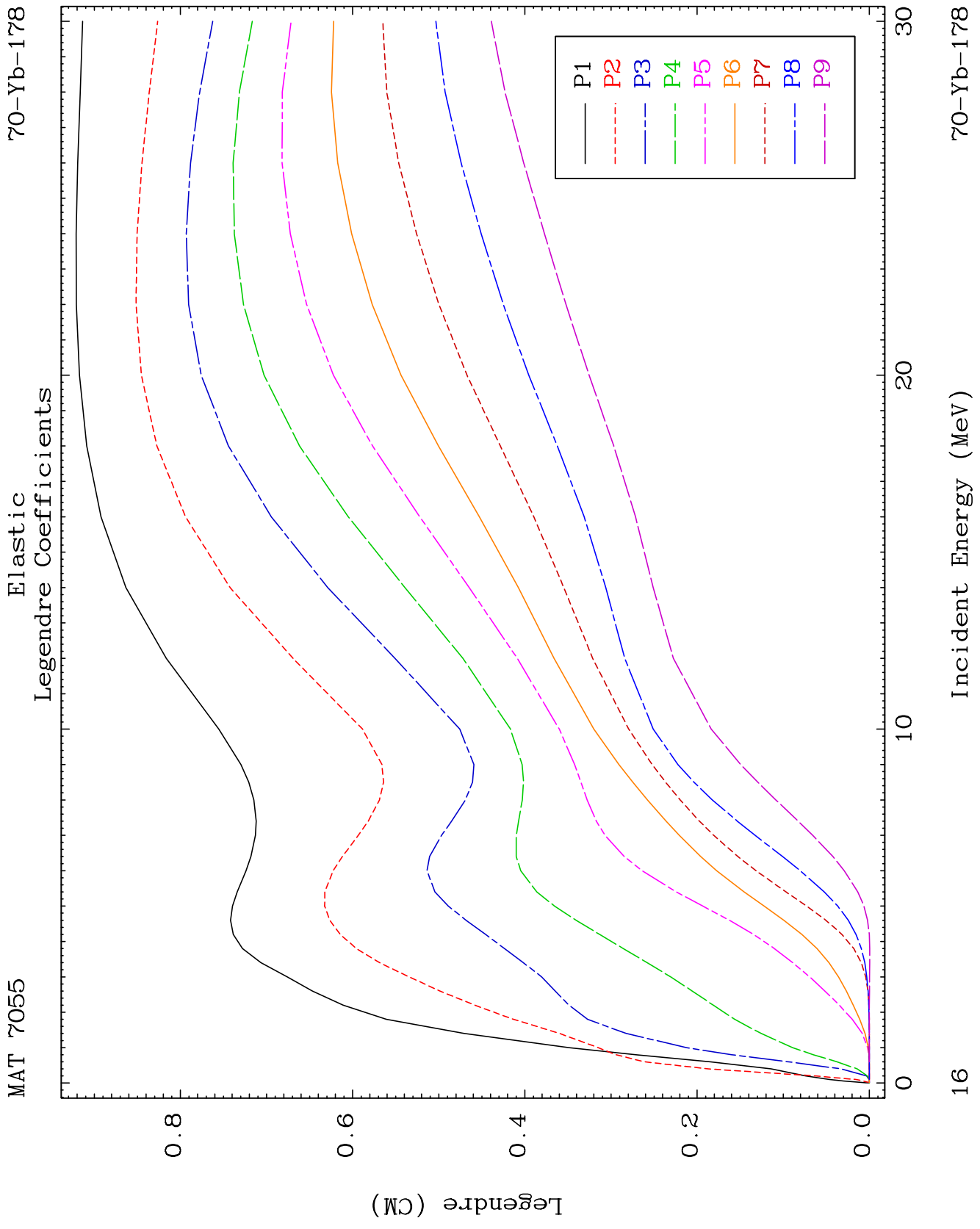
MAT 7055

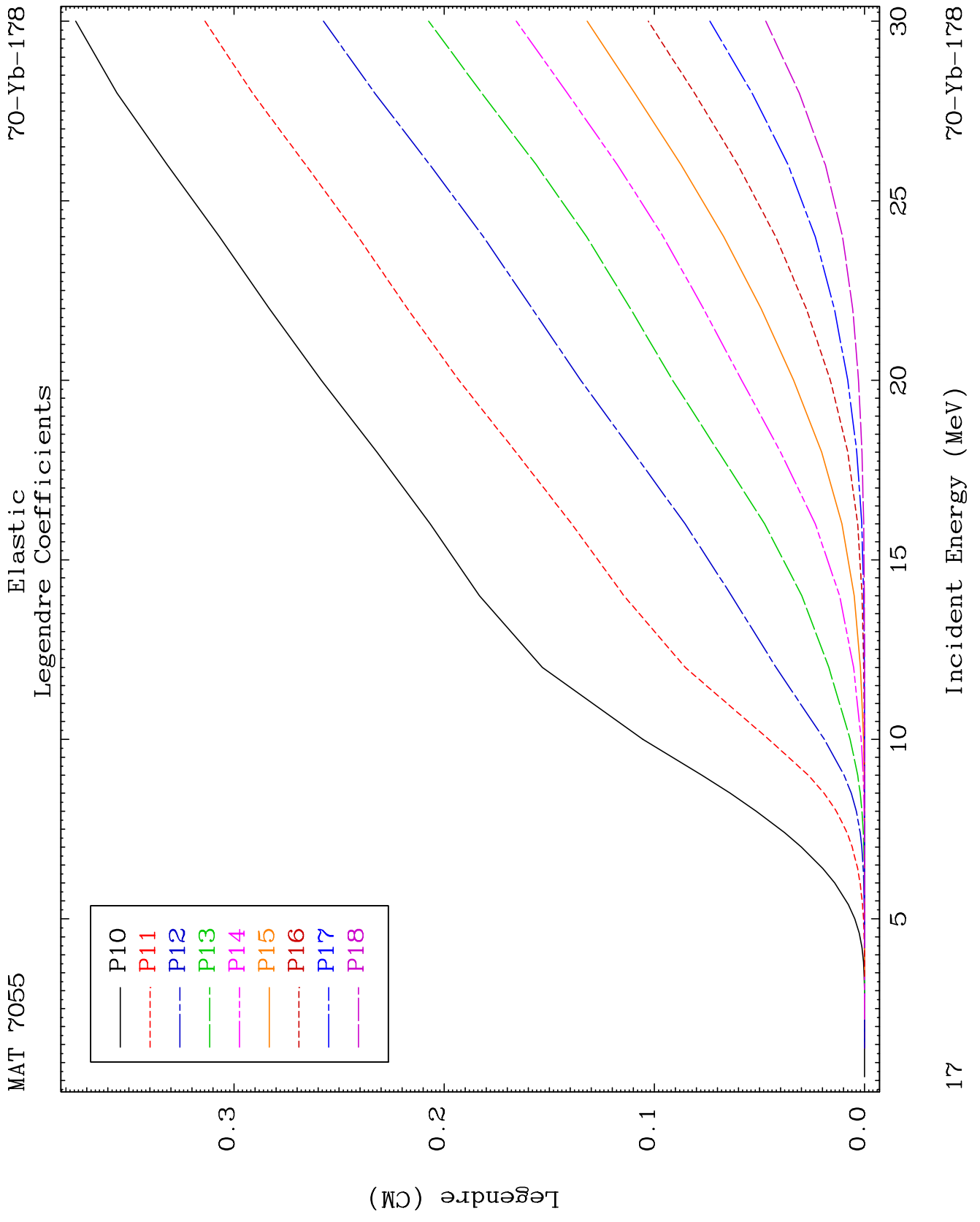
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-178





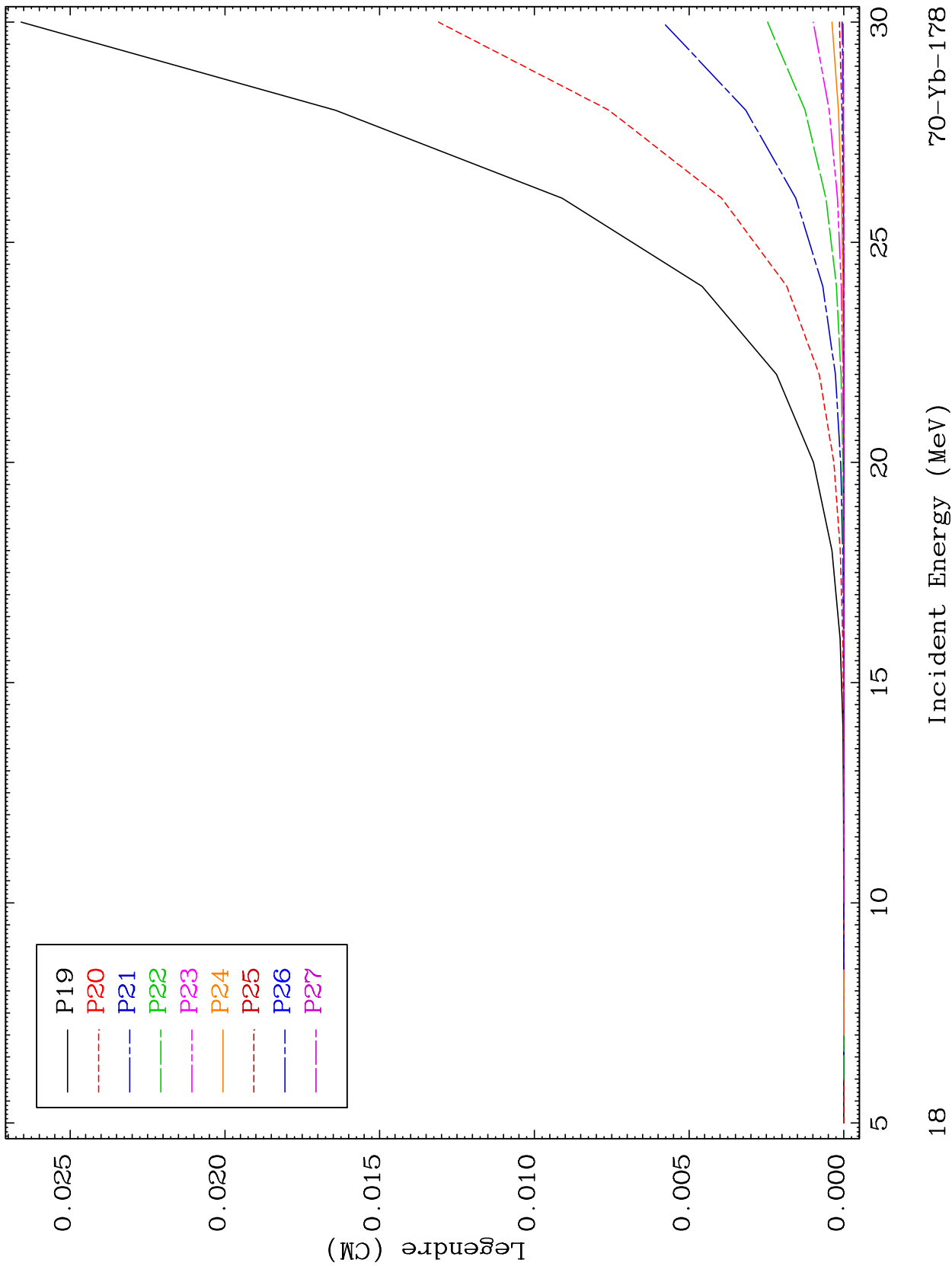




MAT 7055

Elastic
Legendre Coefficients

70-Yb-178



18

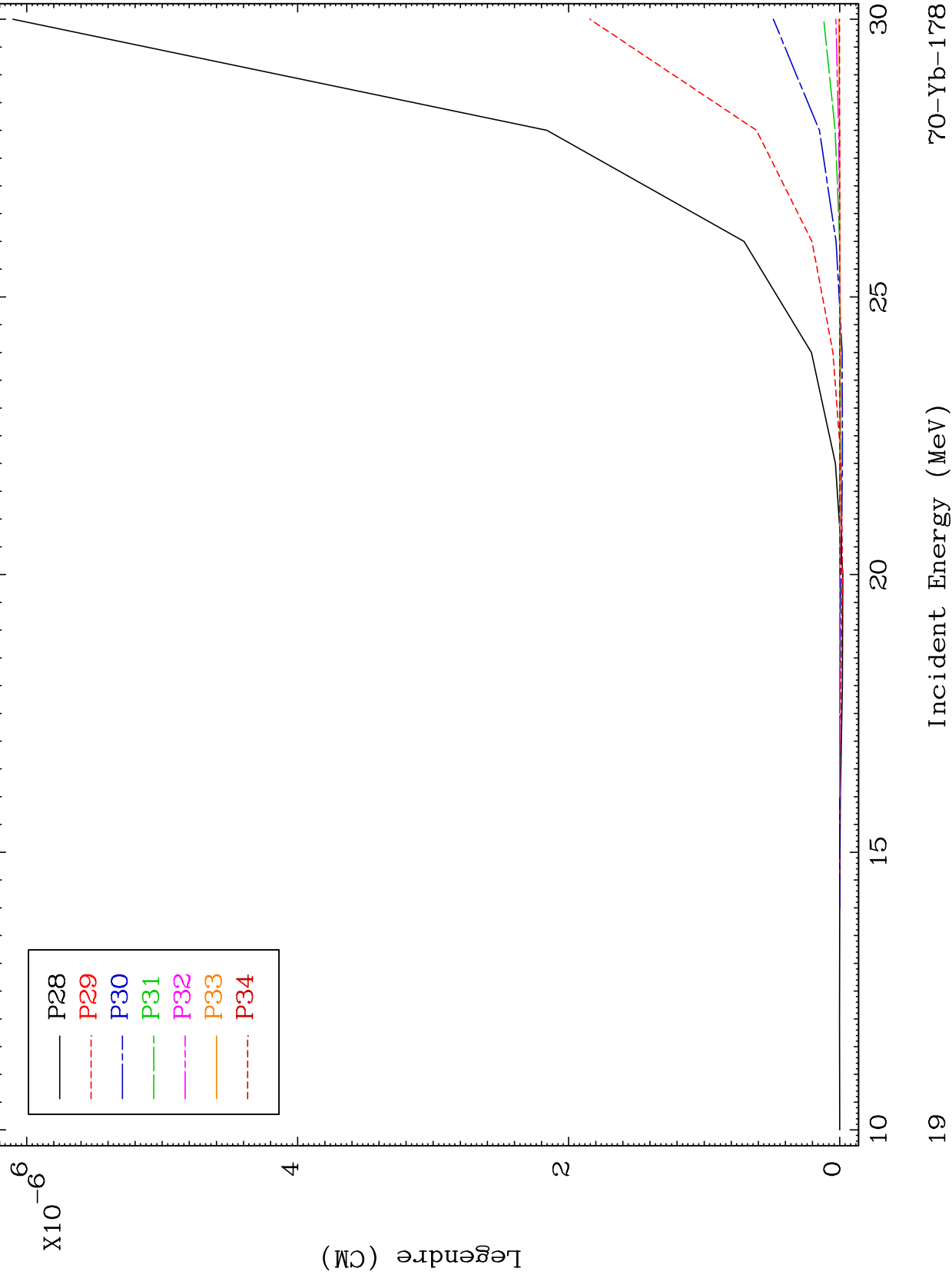
Incident Energy (MeV)

70-Yb-178

MAT 7055

Elastic
Legendre Coefficients

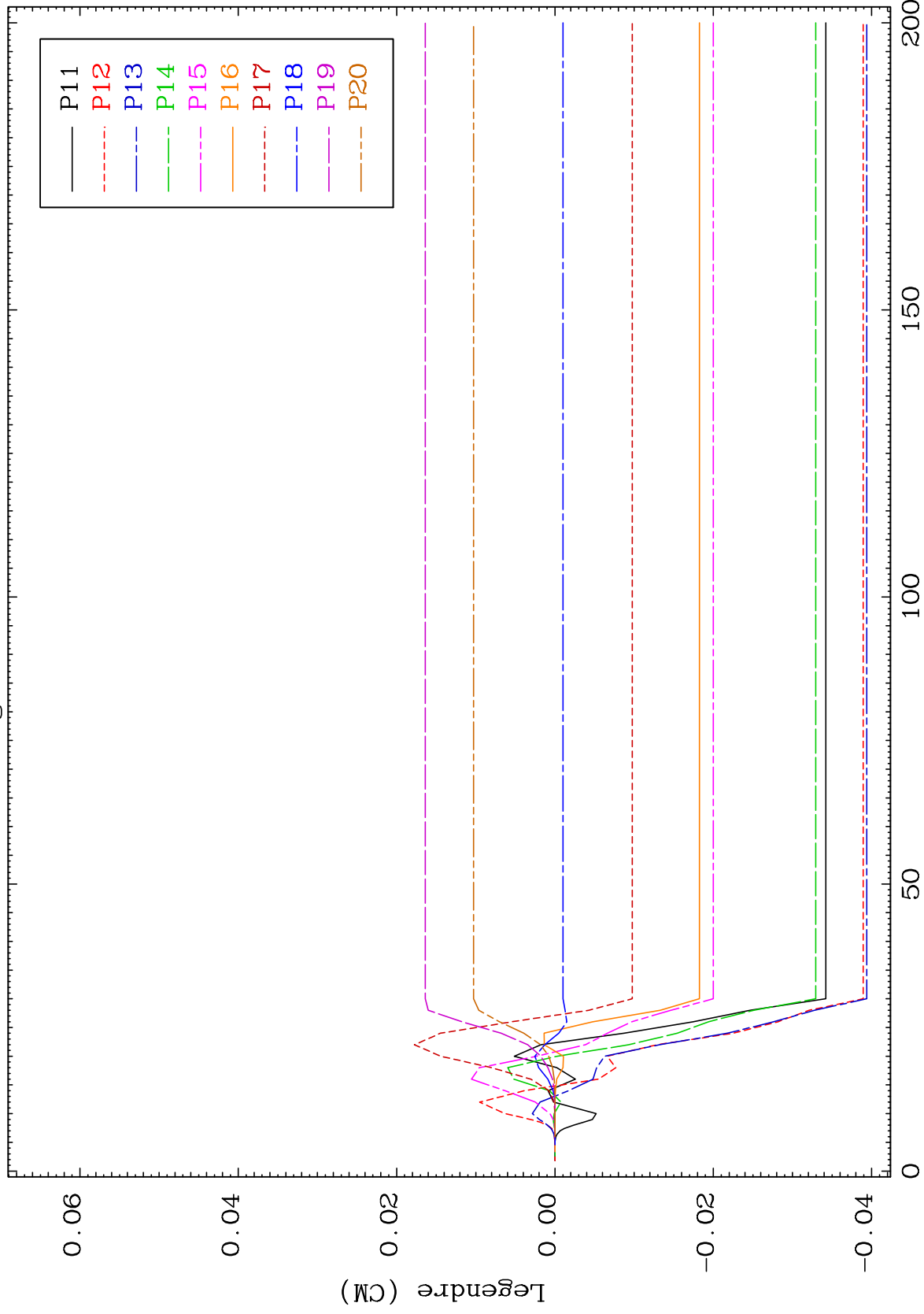
70-Yb-178



MAT 7055

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

70-Yb-178



21

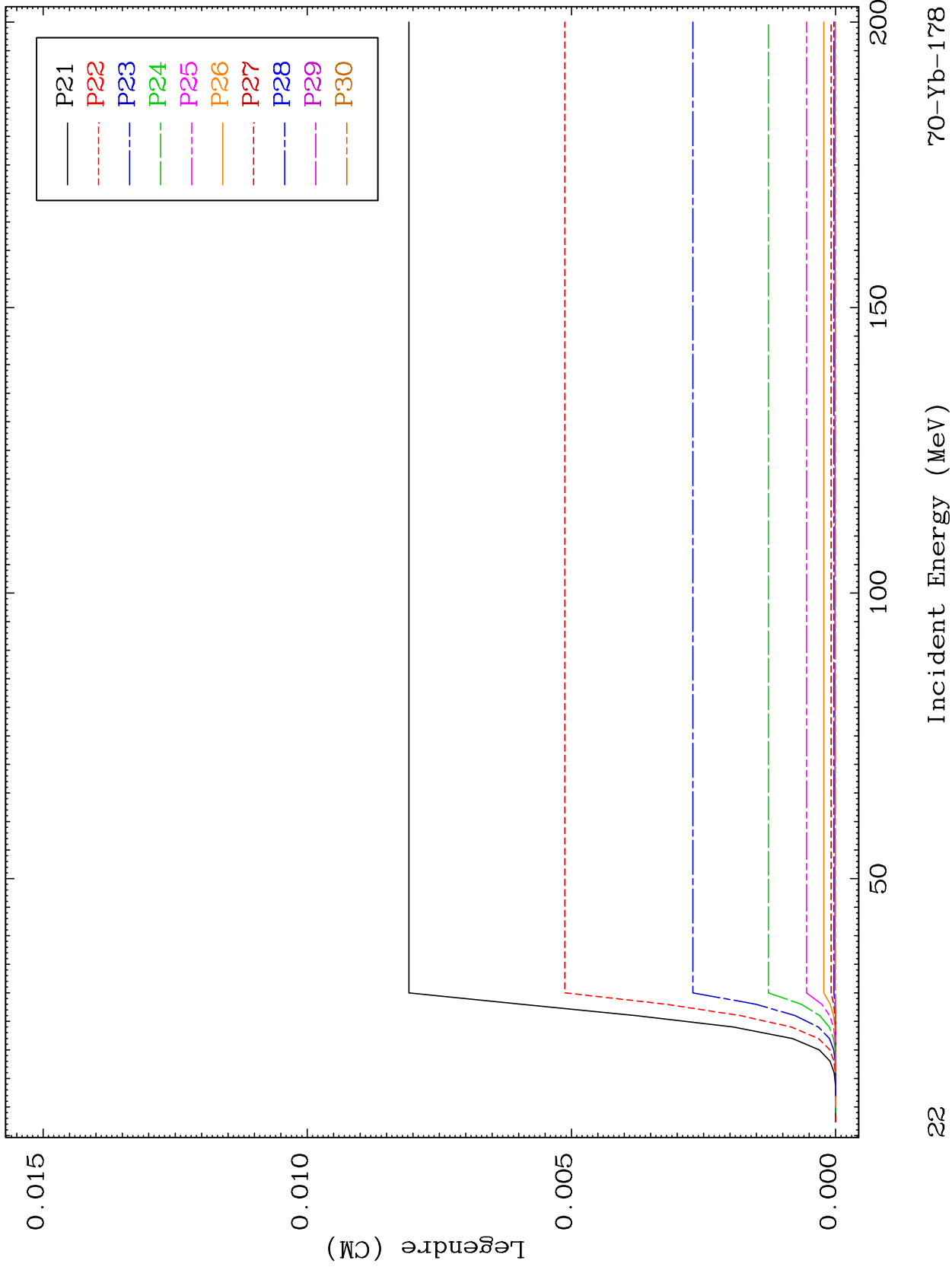
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



22

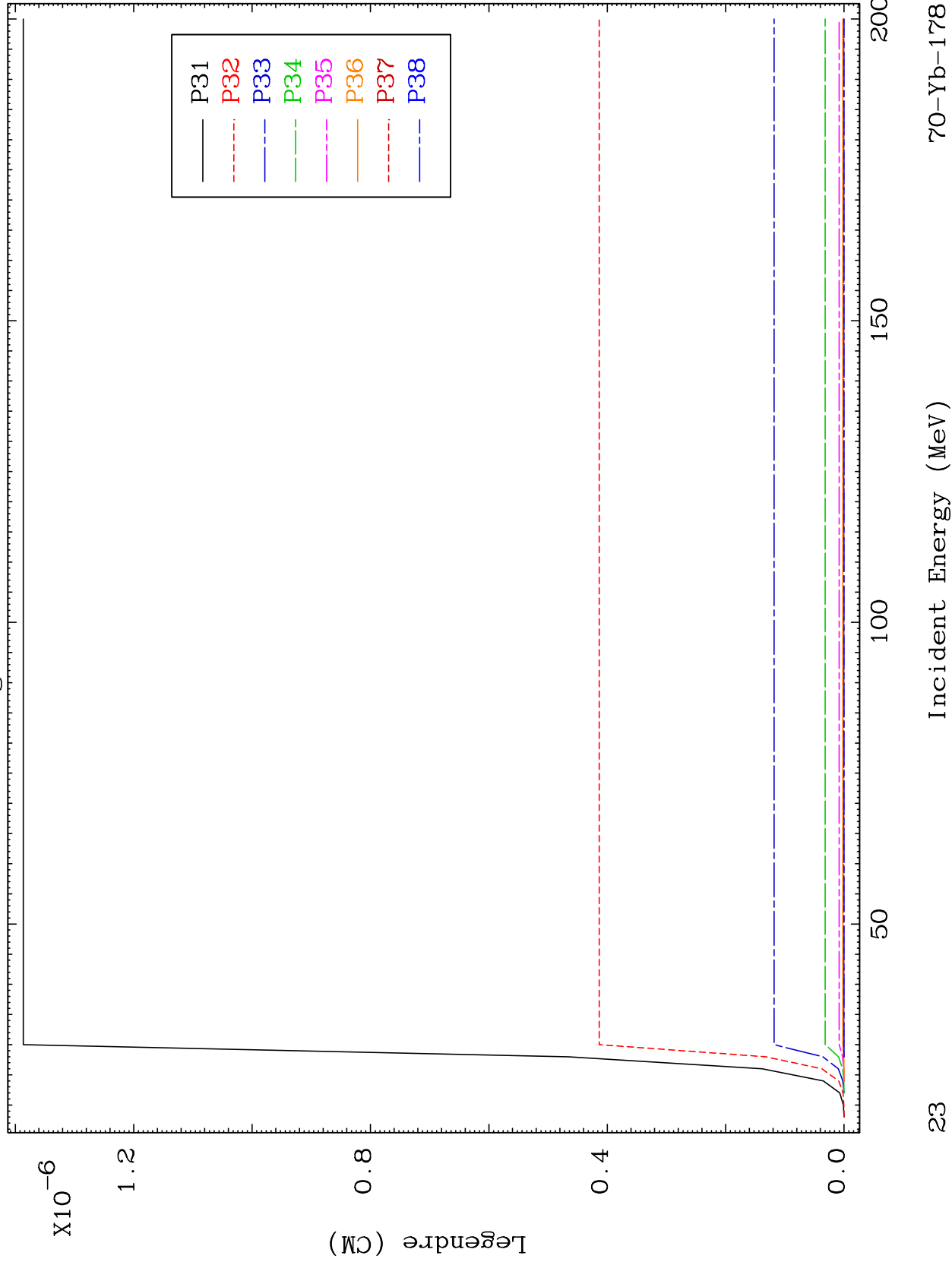
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

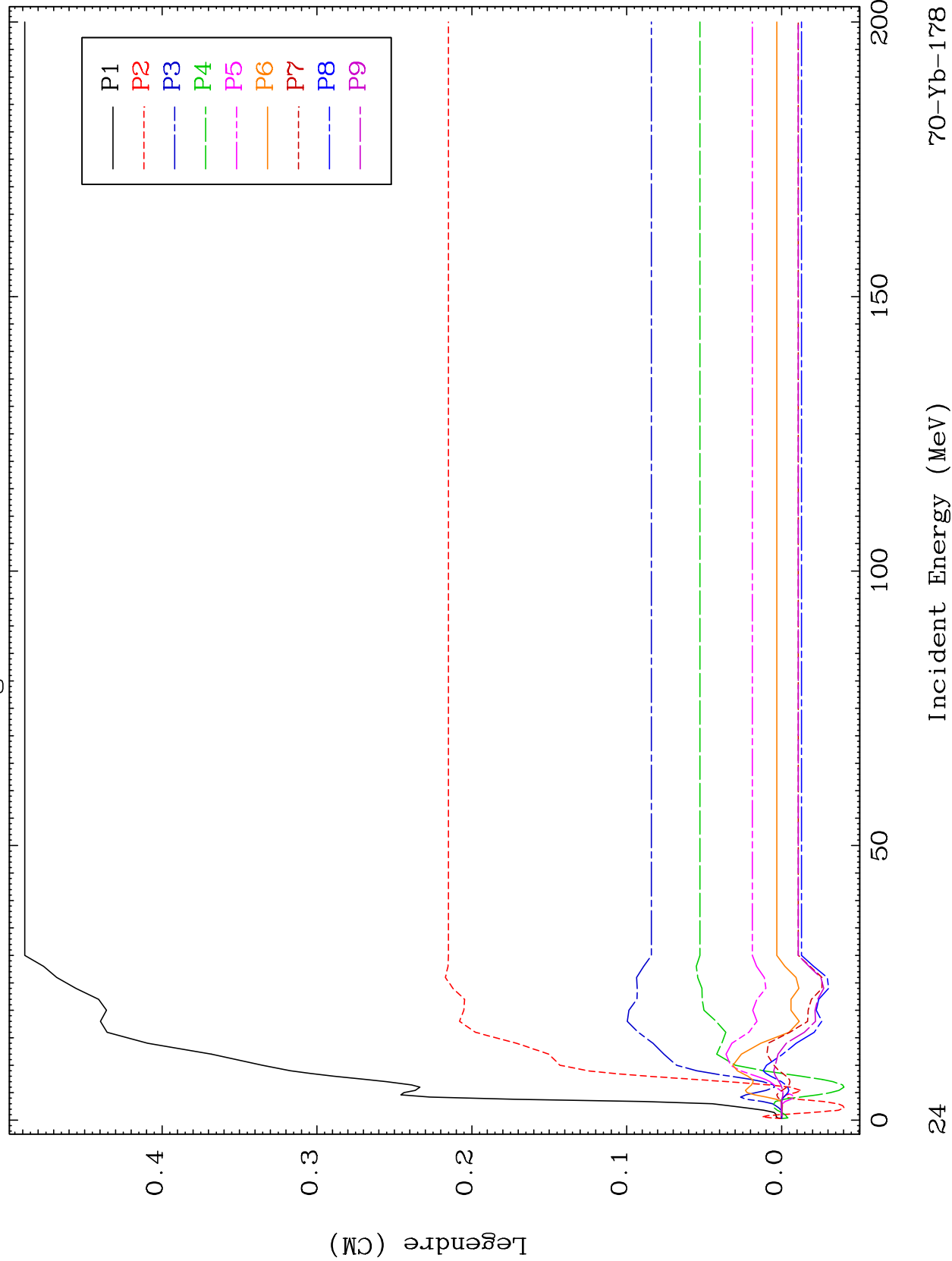
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MAT 7055

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

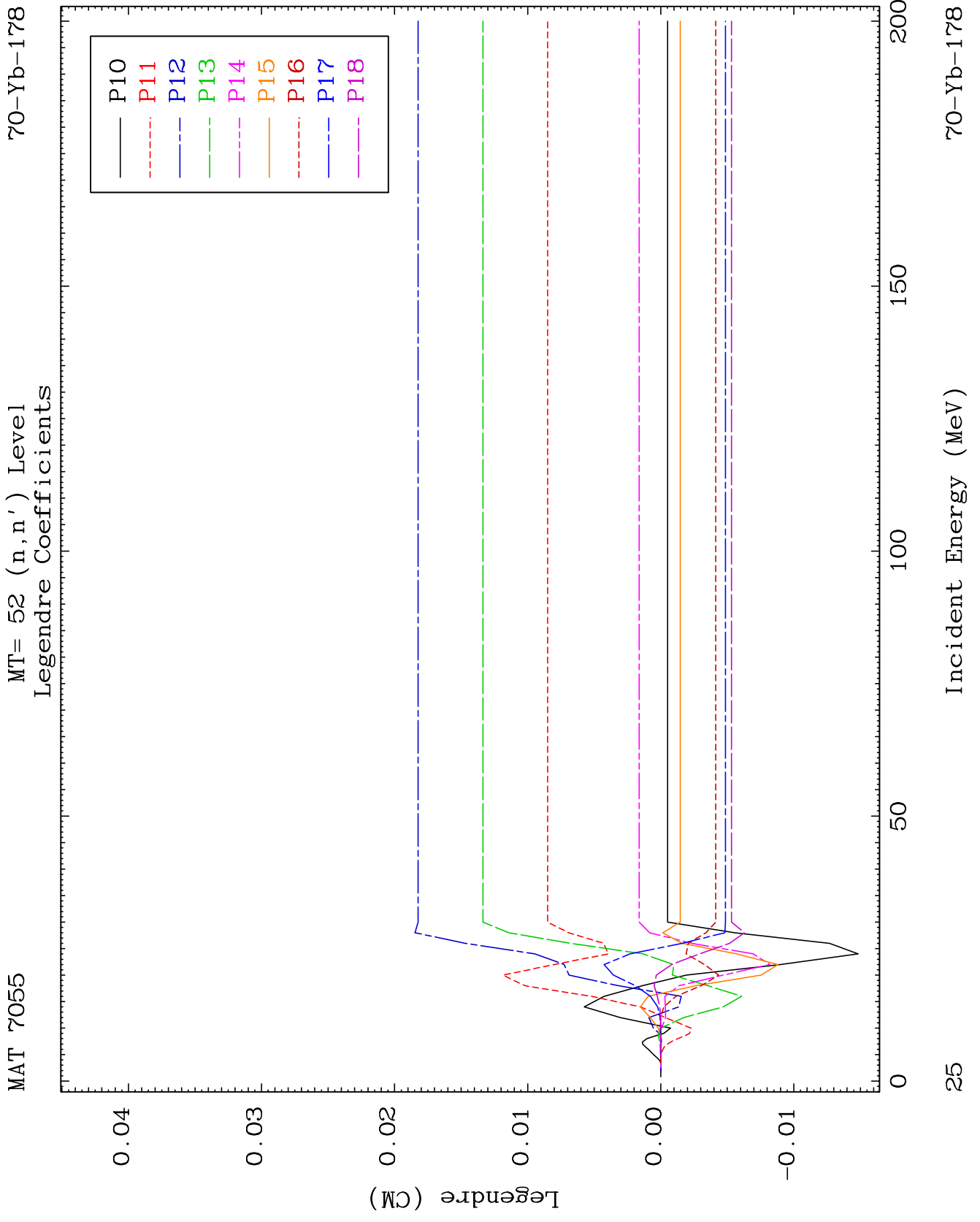
70-Yb-178



24

Incident Energy (MeV)

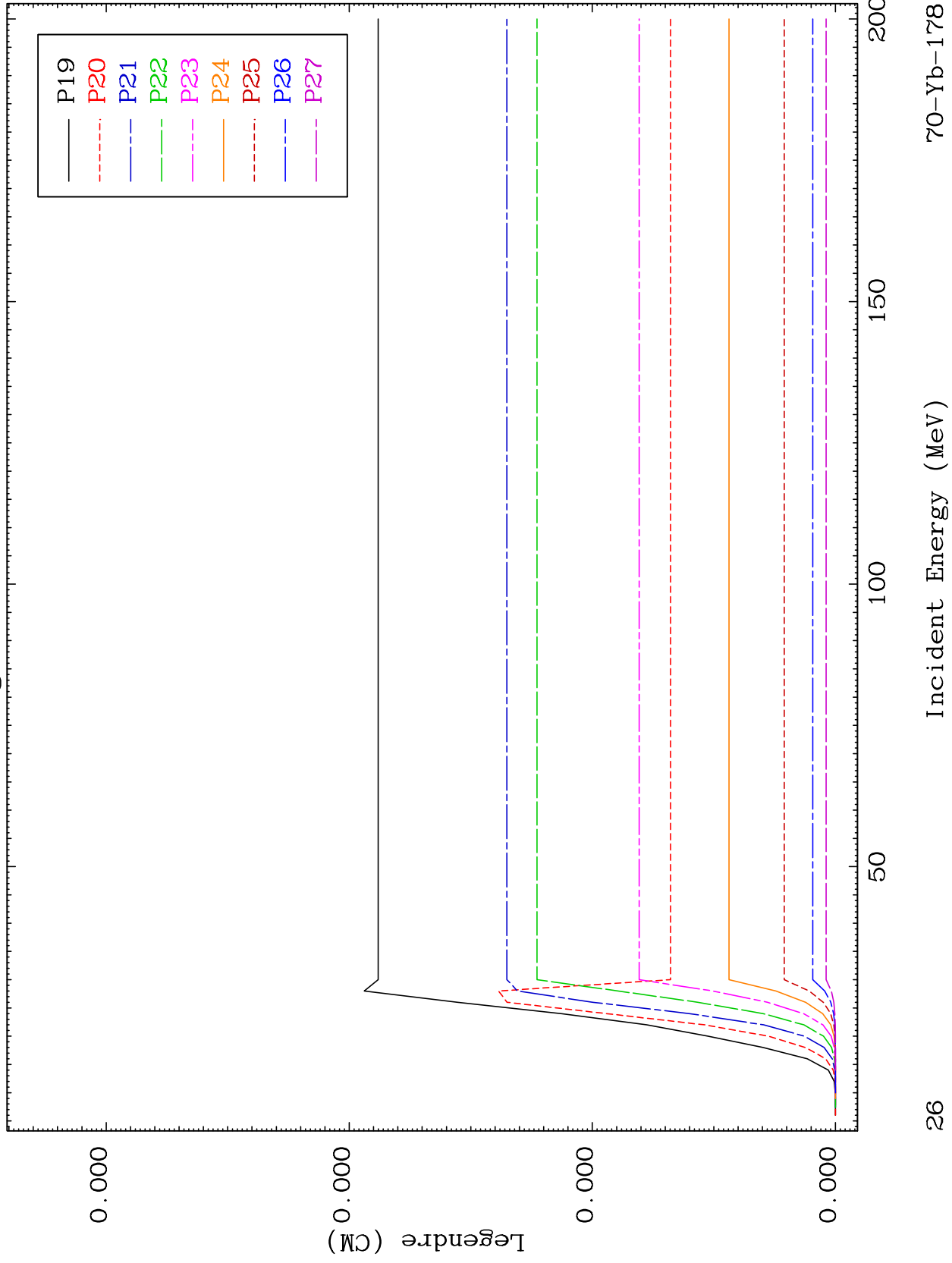
70-Yb-178



MAT 7055

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

70-Yb-178



26

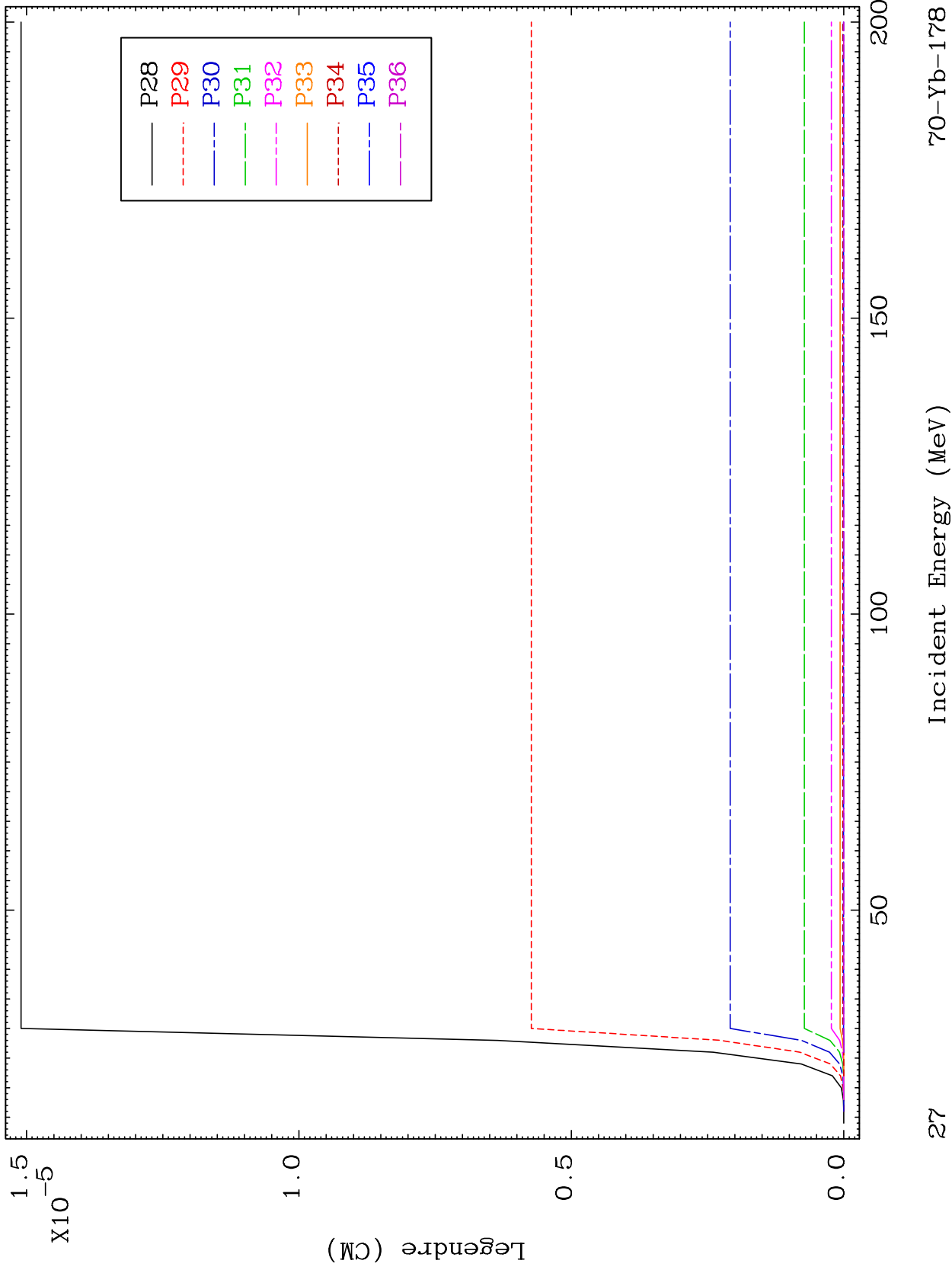
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

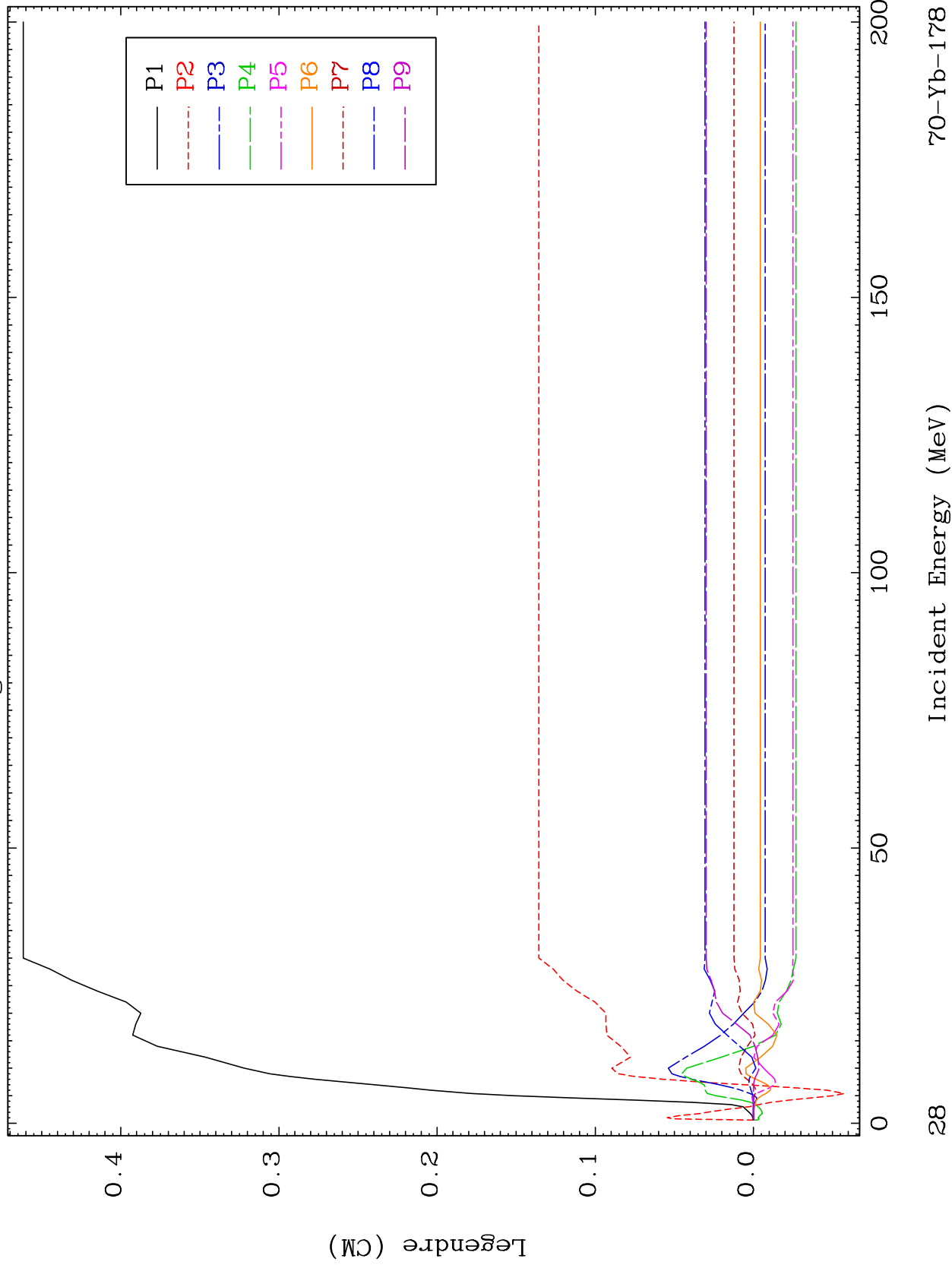
70-Yb-178



MAT 7055

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

70-Yb-178



28

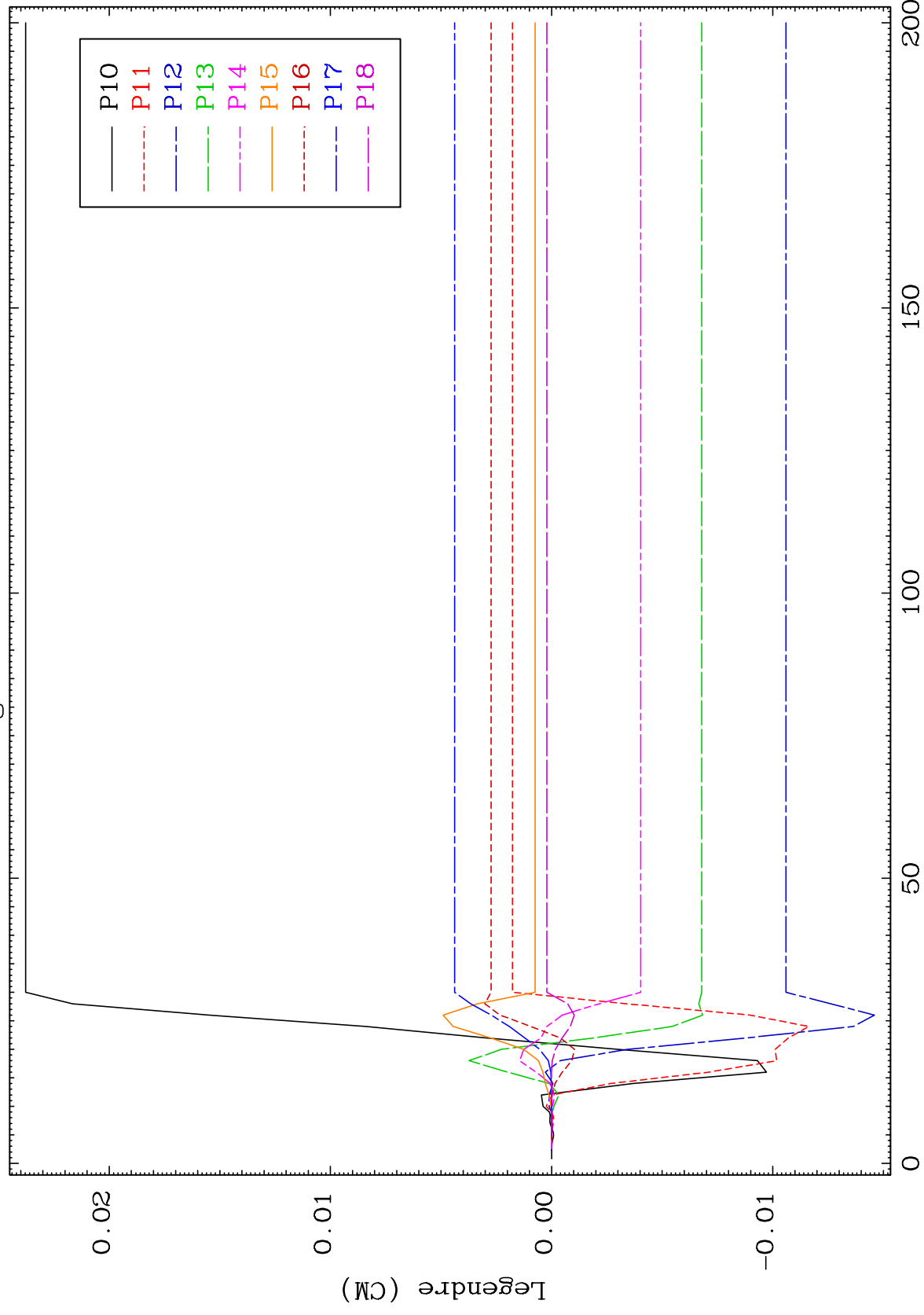
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



29

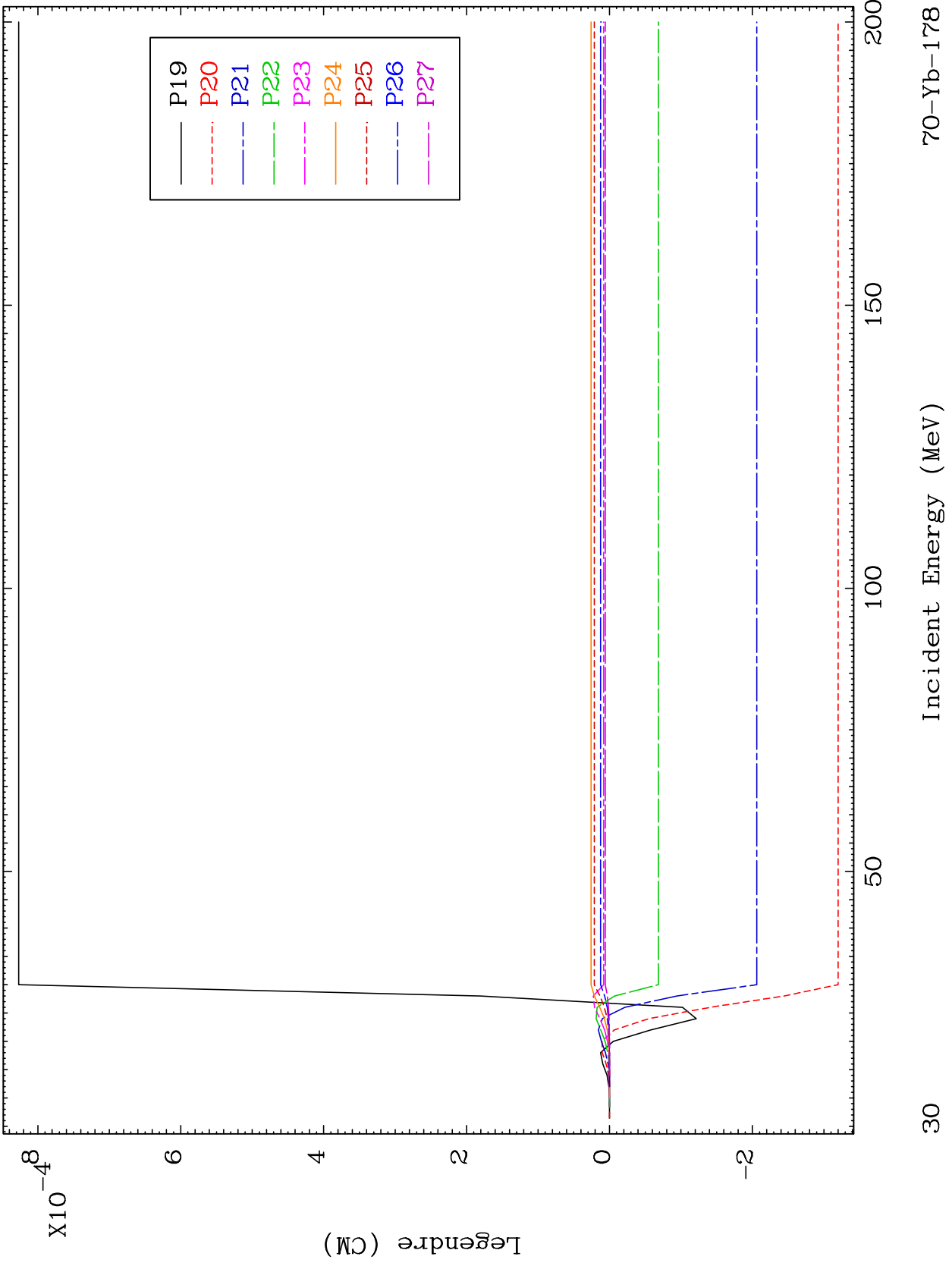
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



30

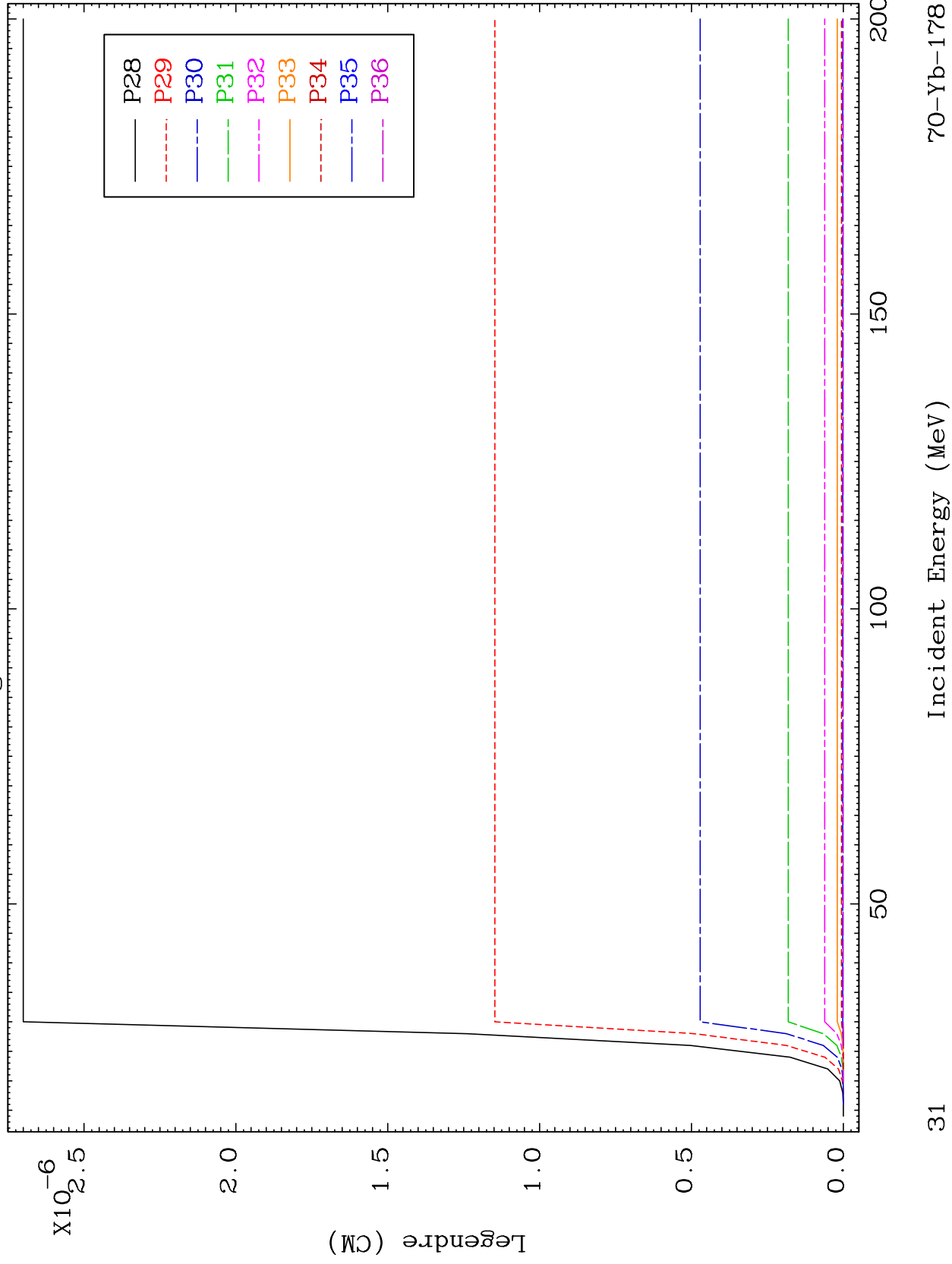
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178

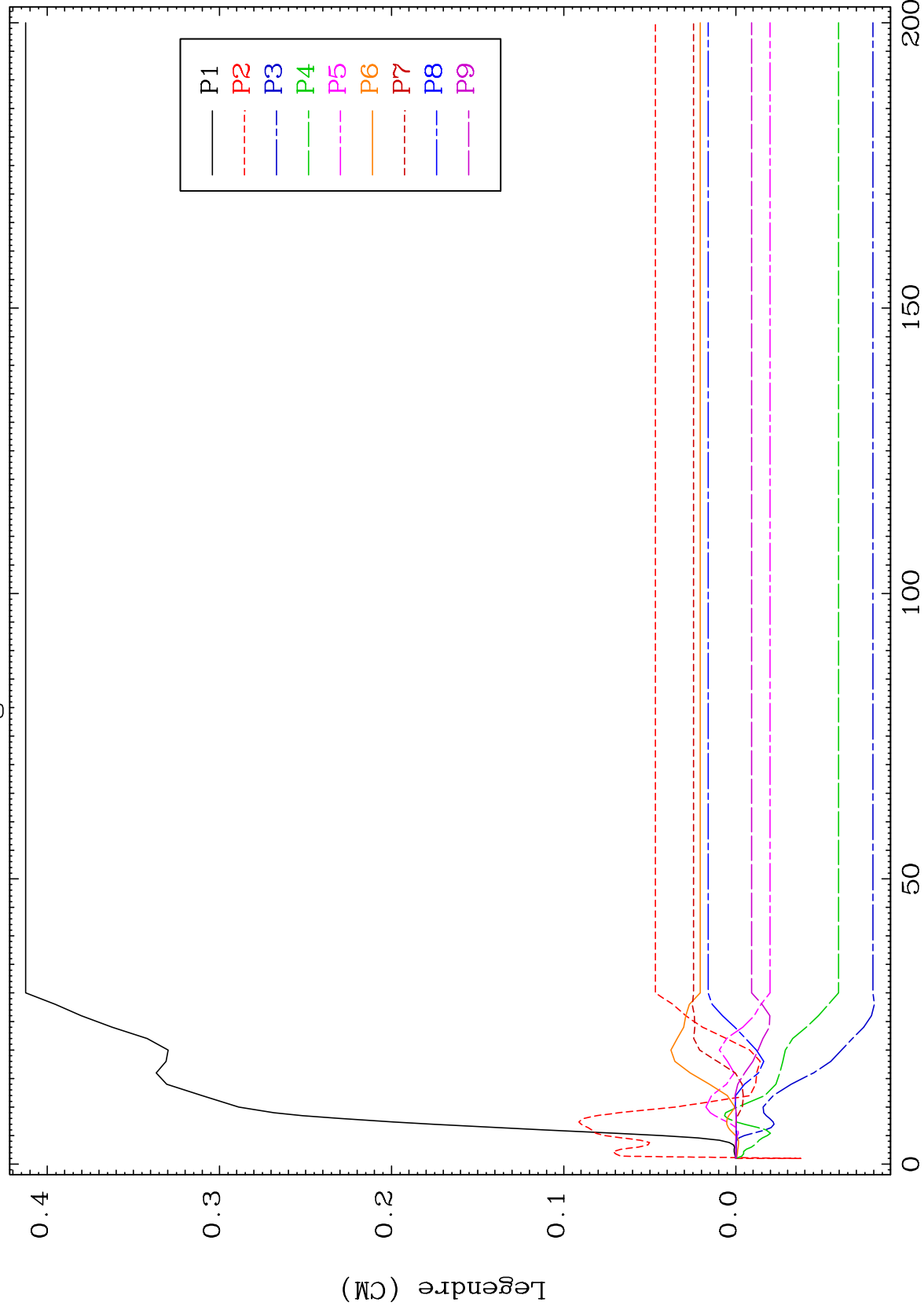


31

MAT 7055

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

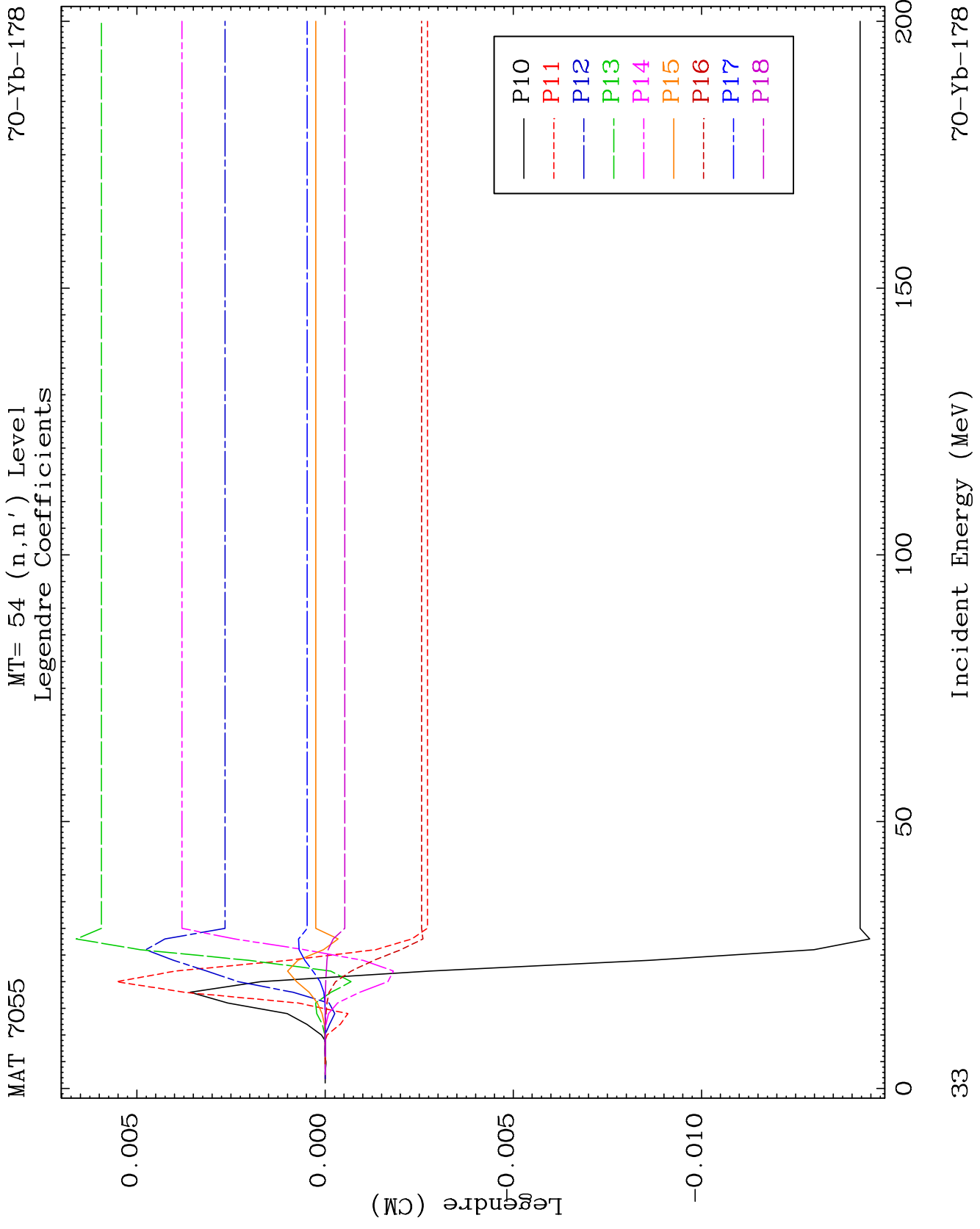
70-Yb-178



32

Incident Energy (MeV)

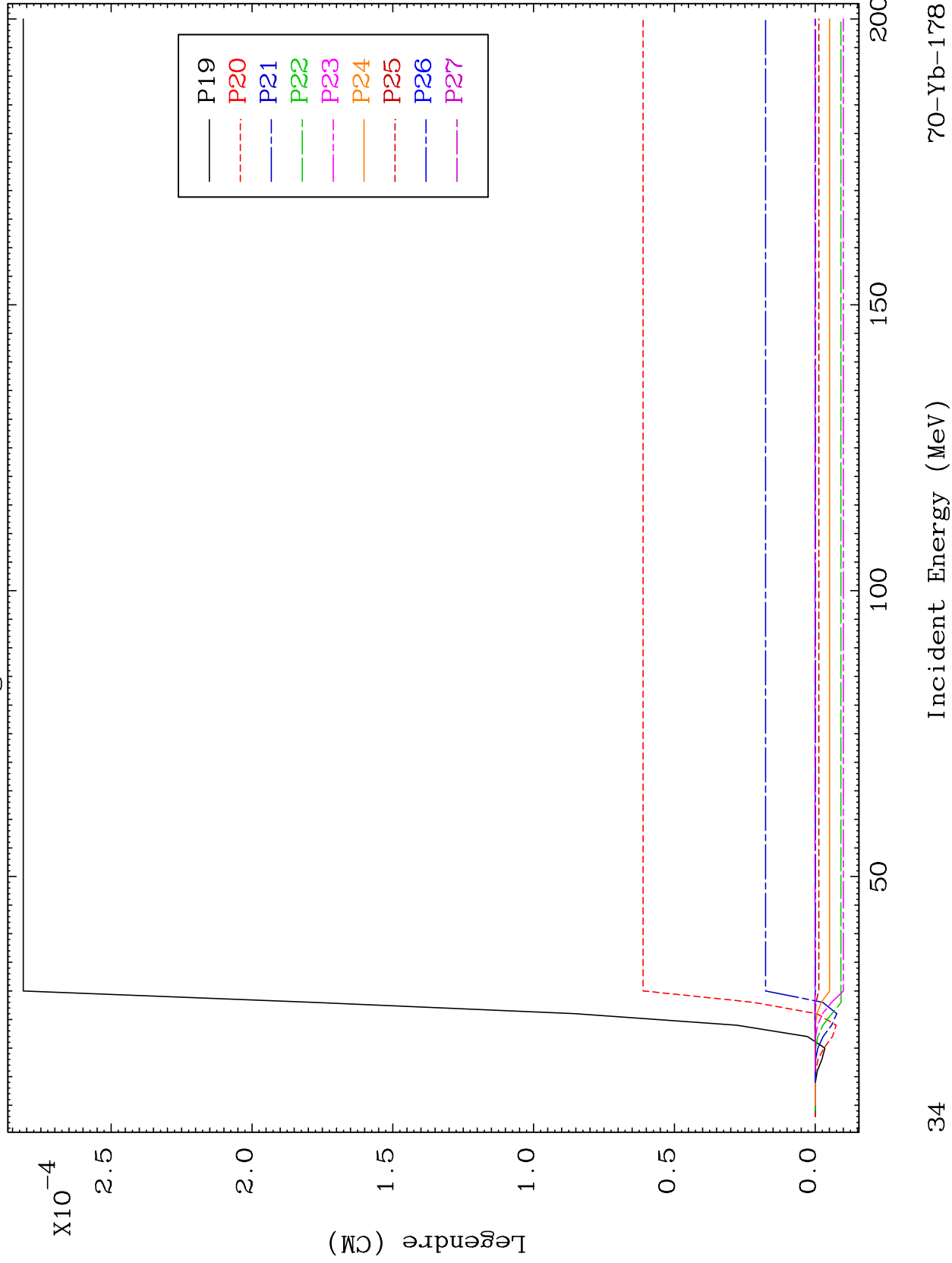
70-Yb-178



MAT 7055

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

70-Yb-178



34

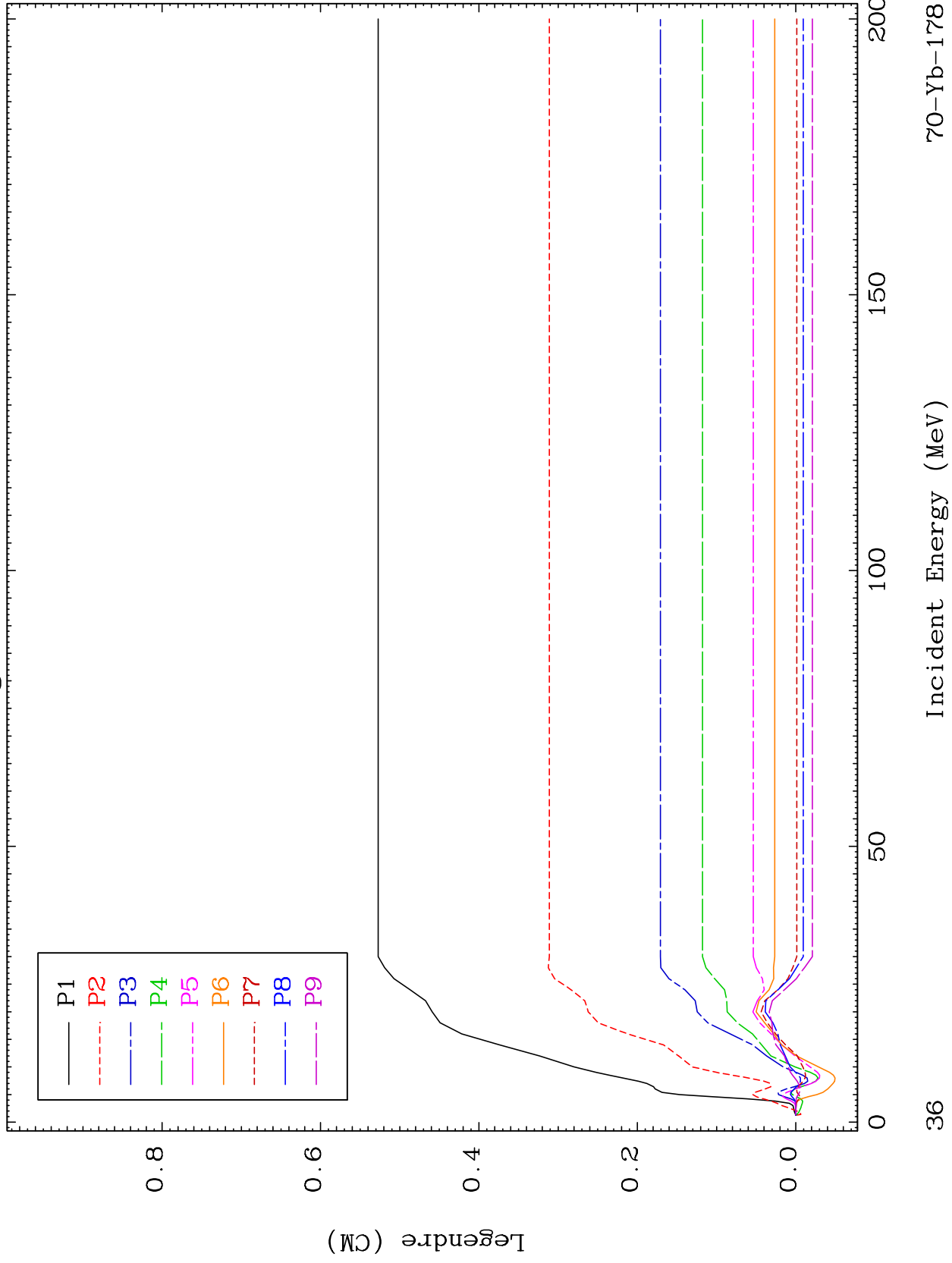
Incident Energy (MeV)

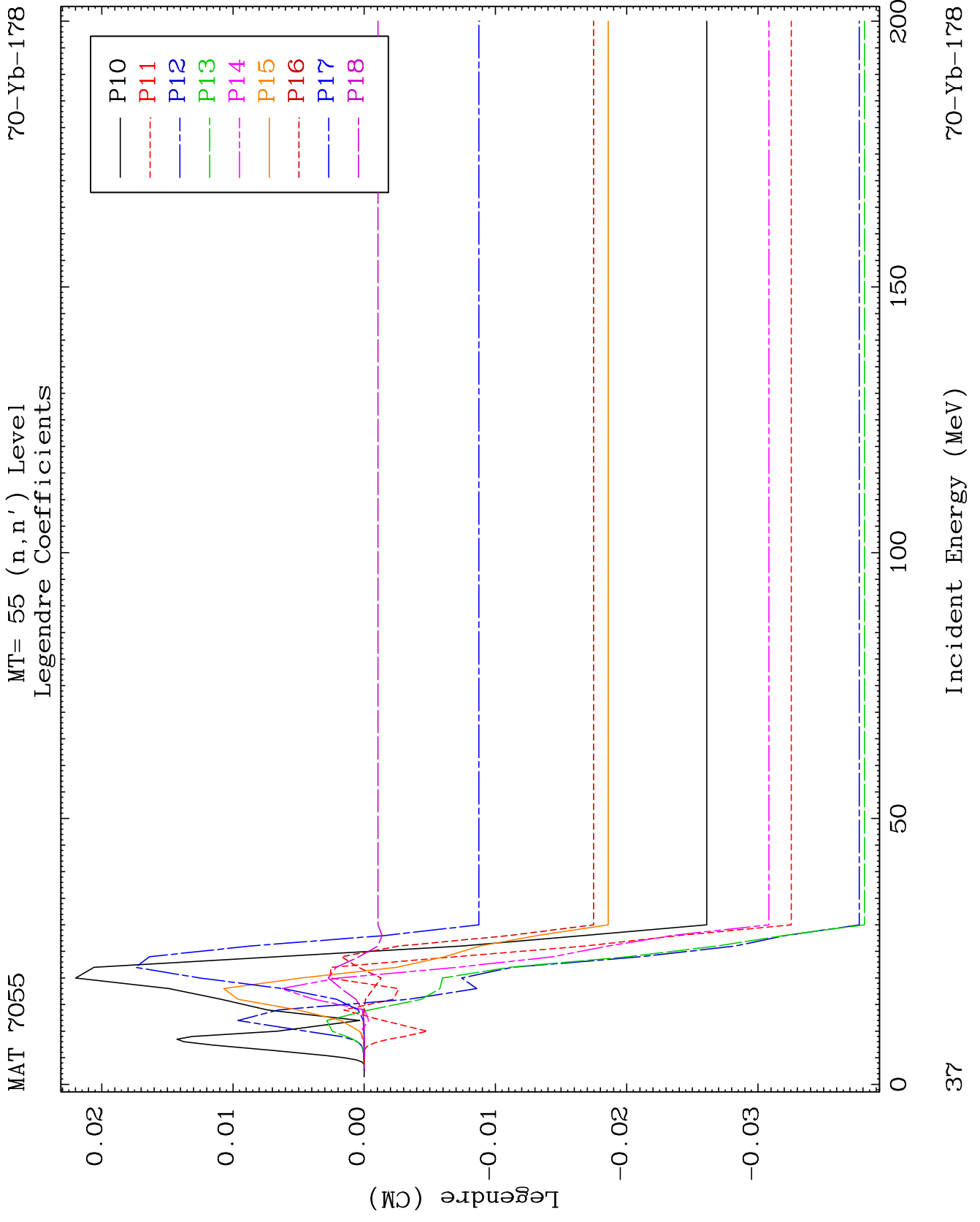
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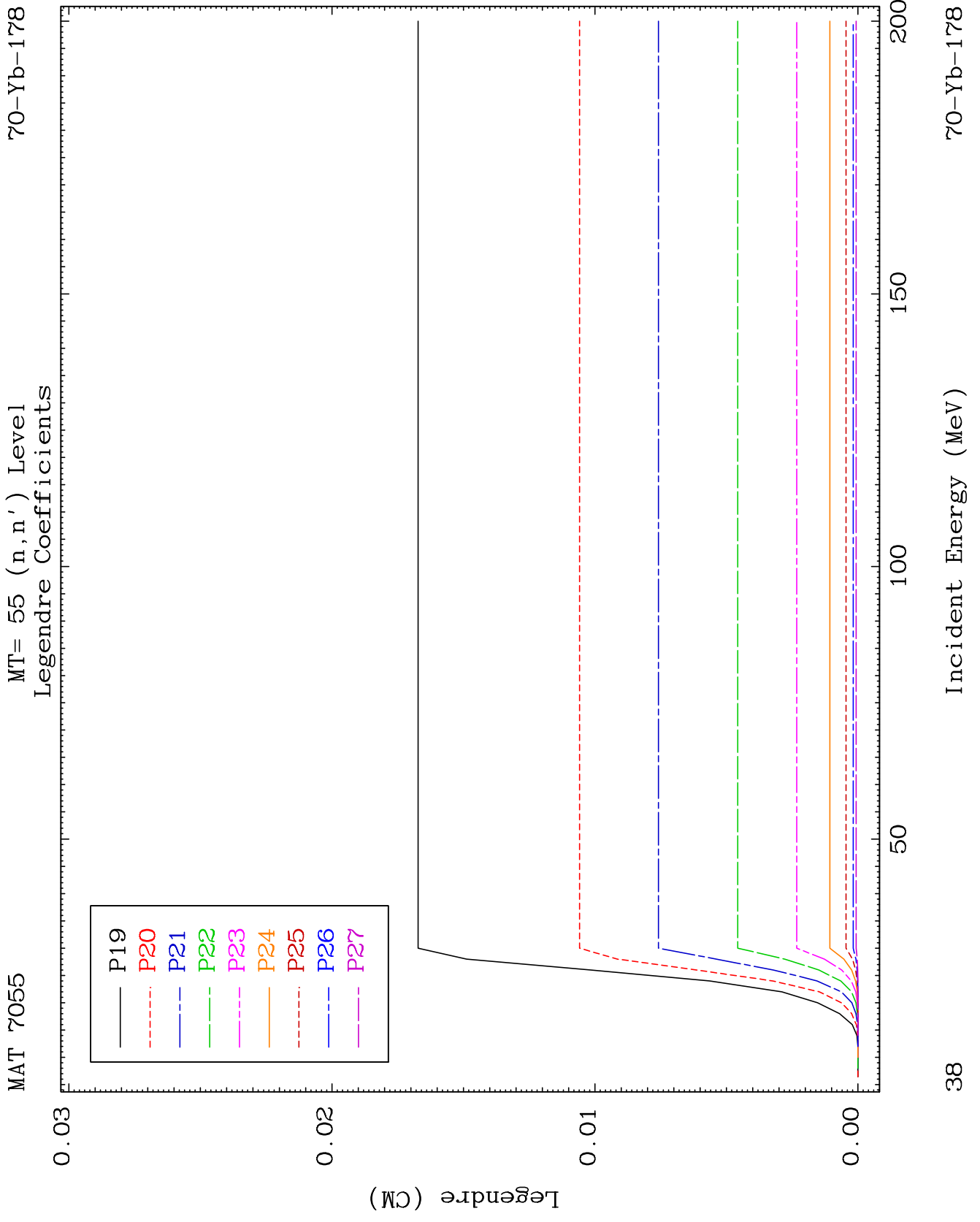
MAT 7055

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

70-Yb-178



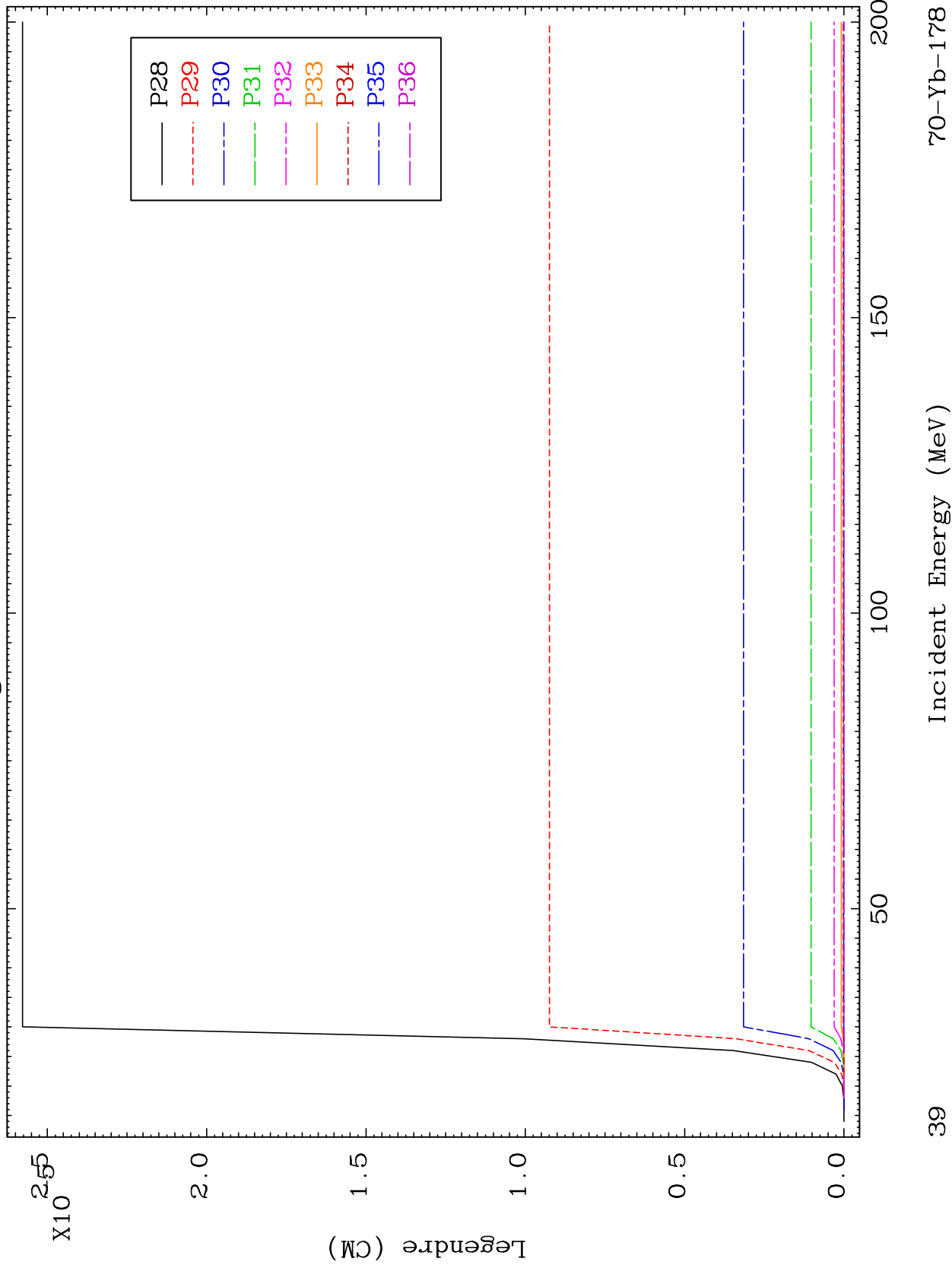




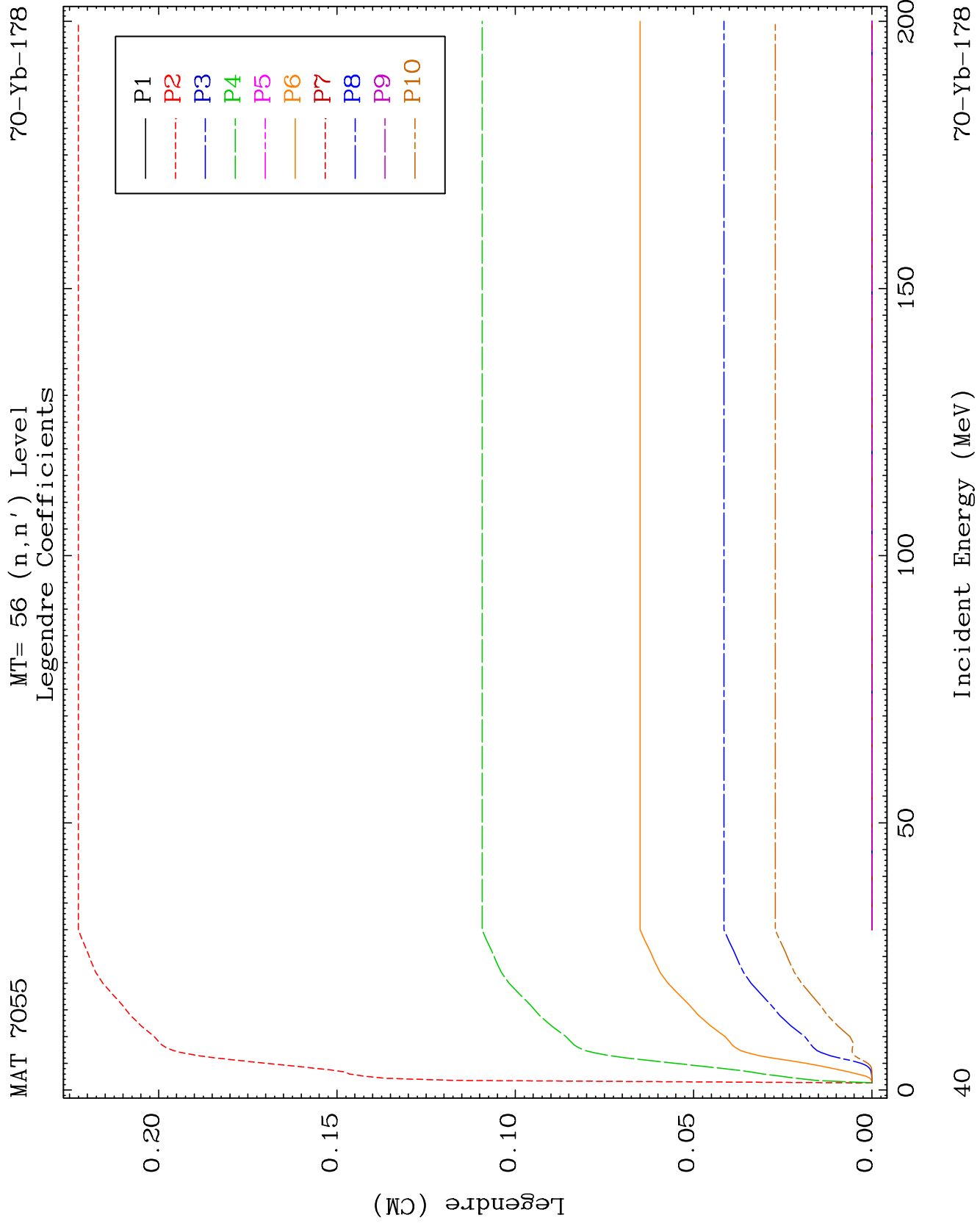
MAT 7055

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

70-Yb-178



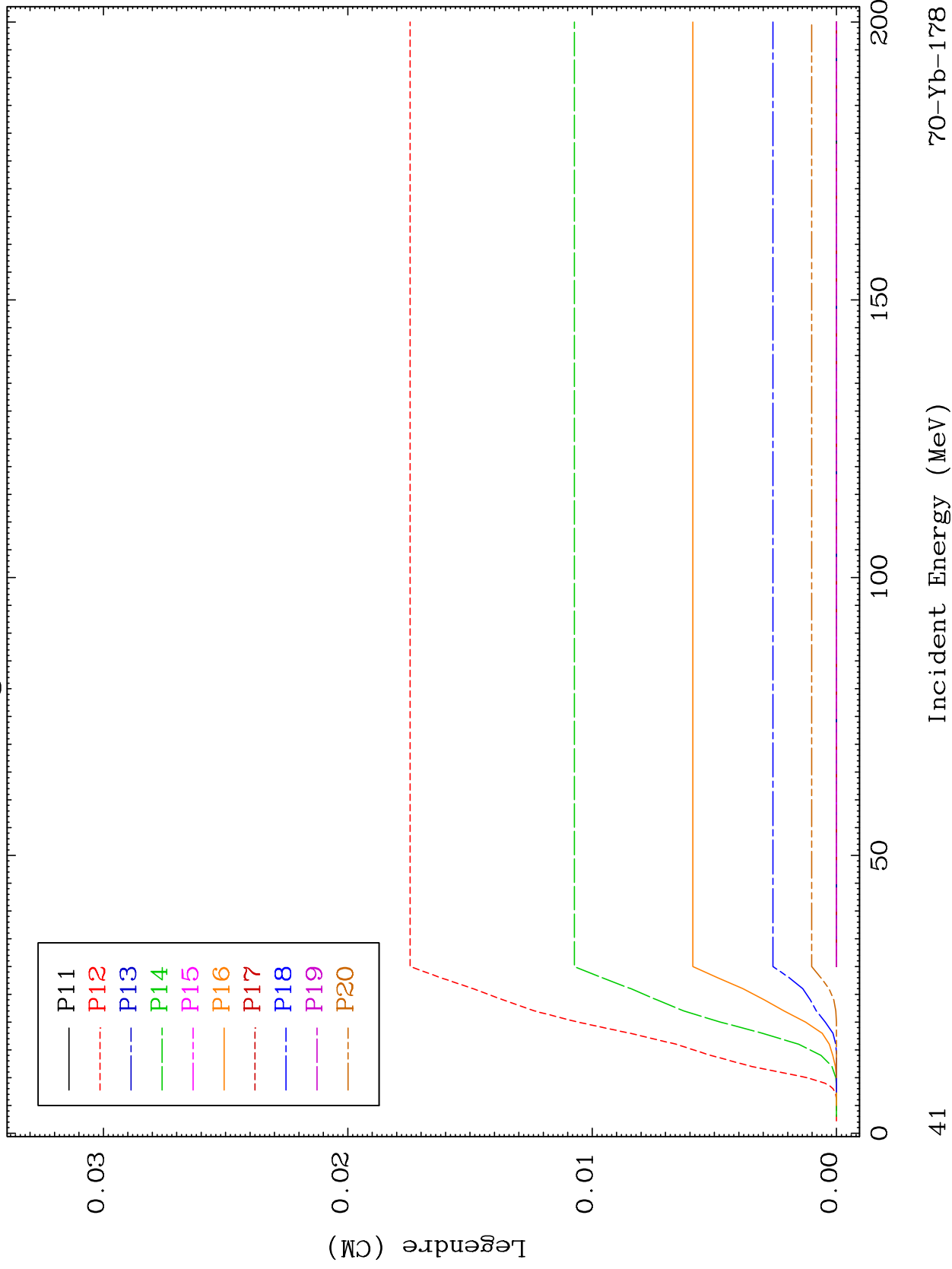
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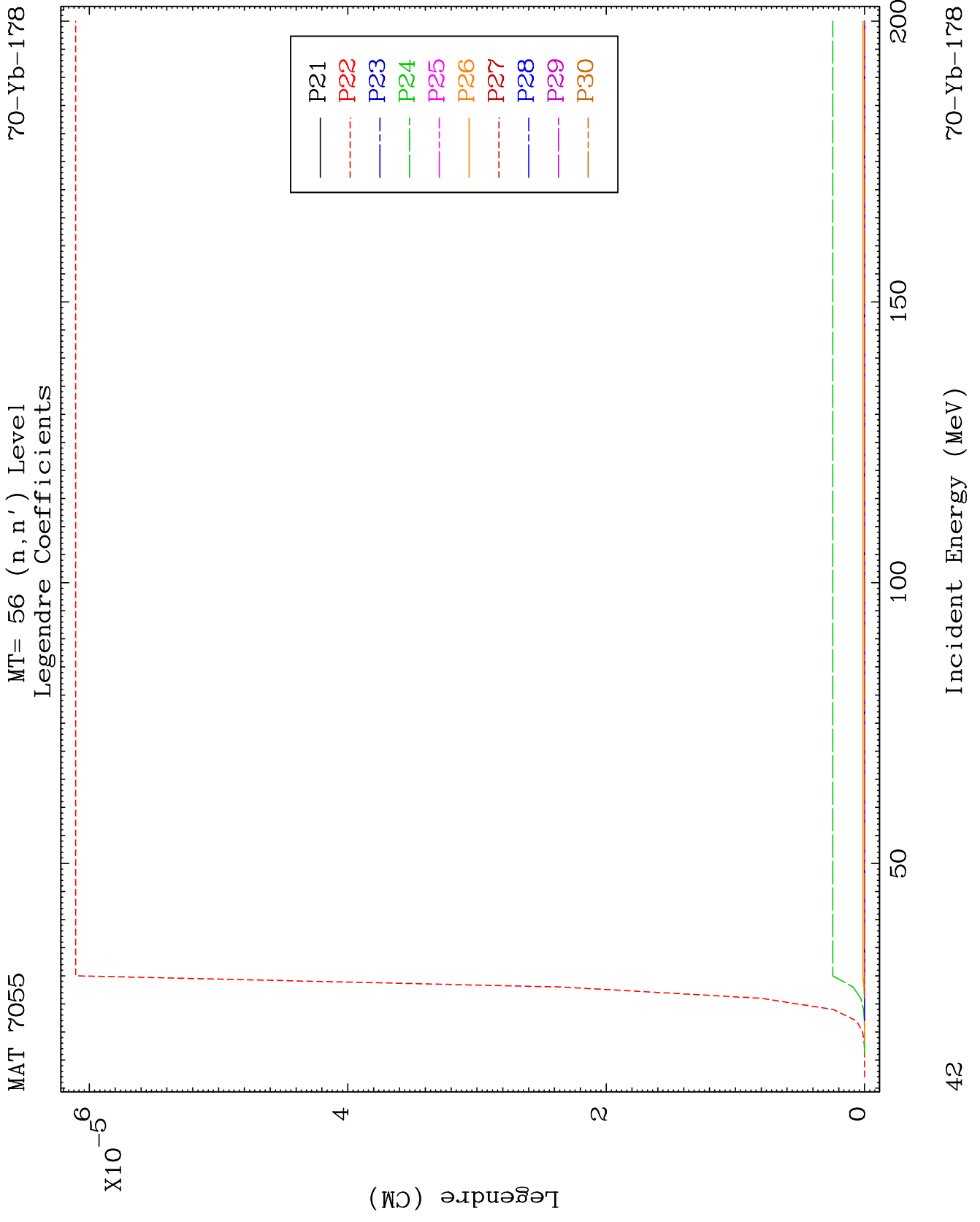


MAT 7055

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

70-Yb-178

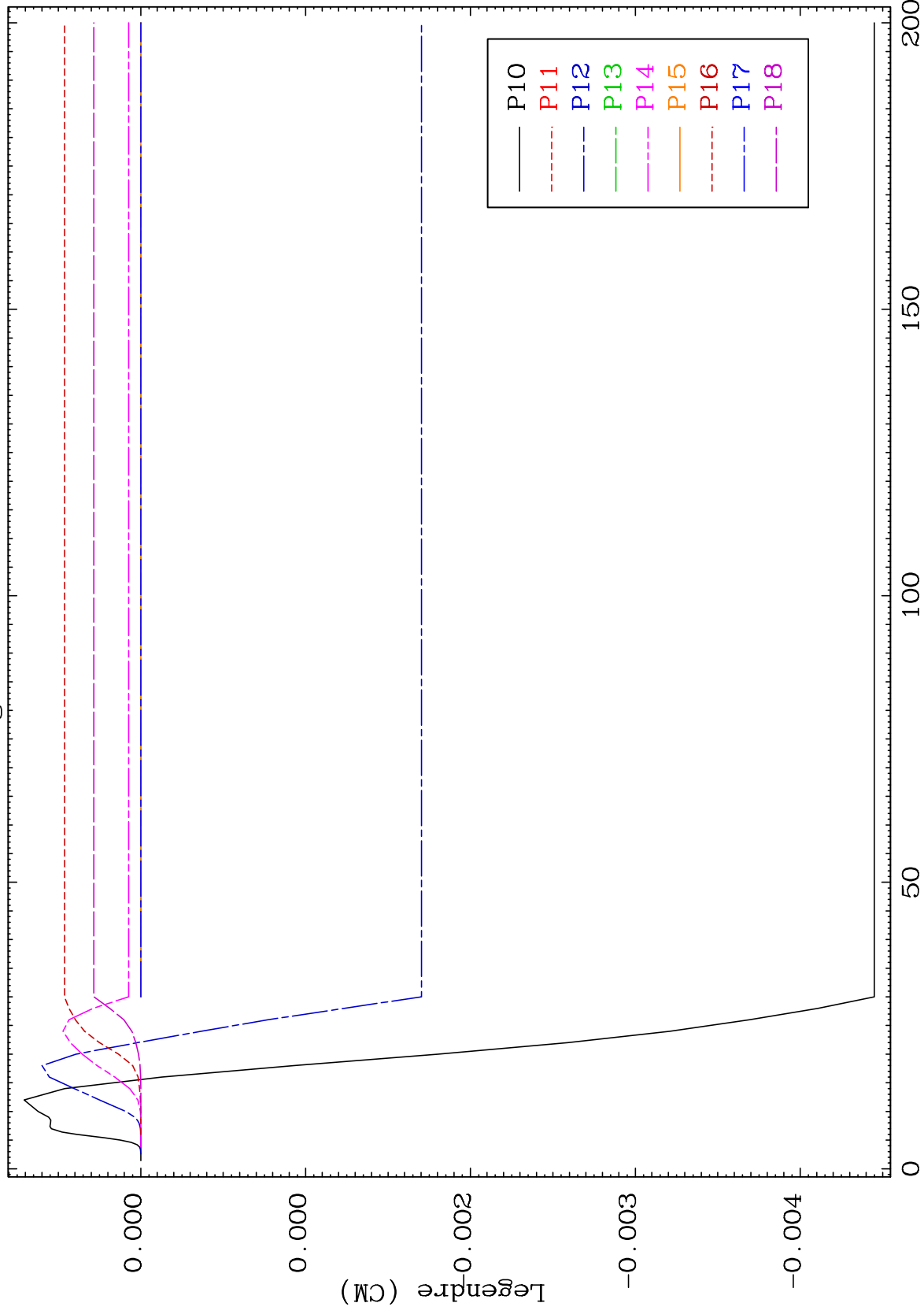




MAT 7055

70-Yb-178

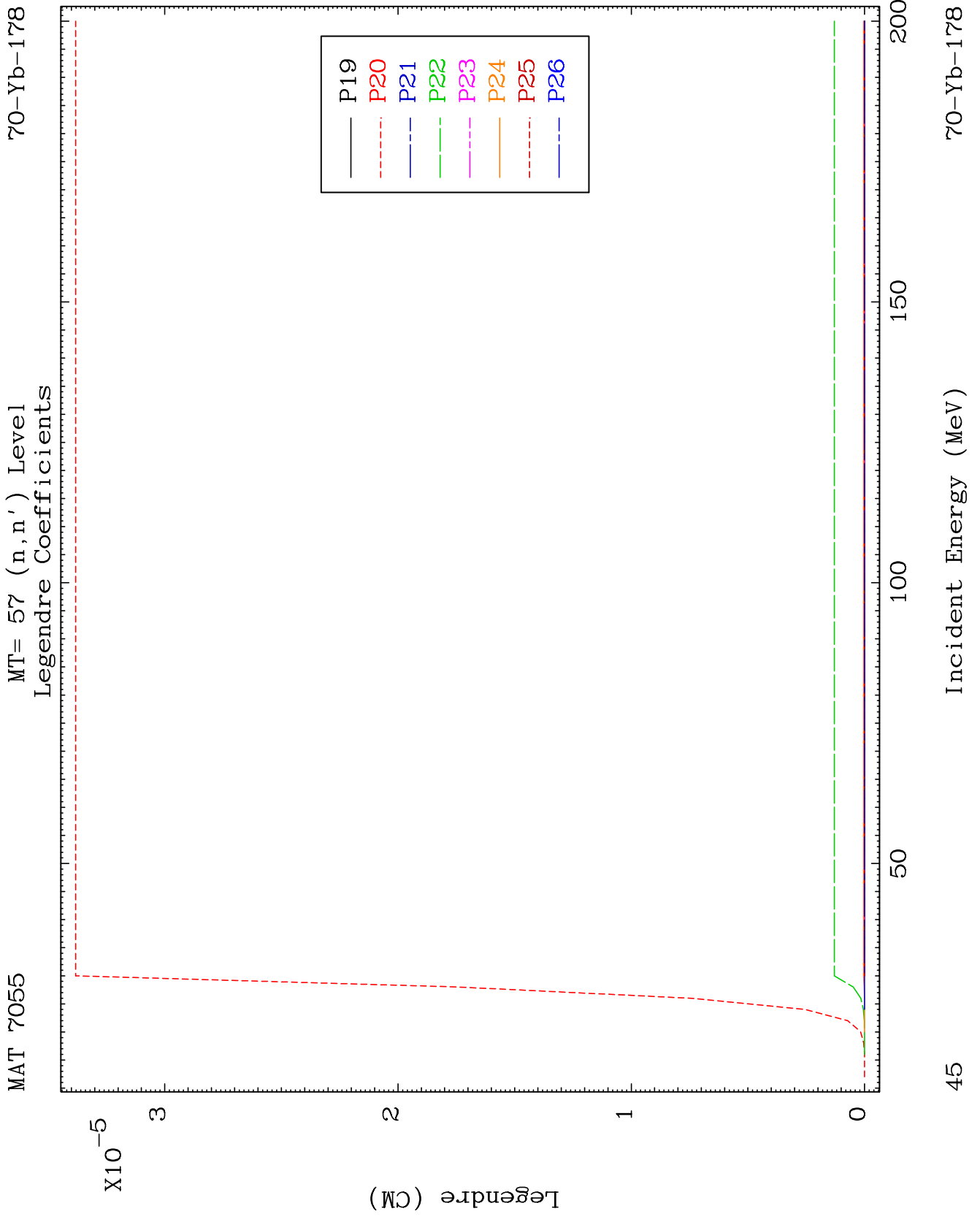
MT= 57 (n,n') Level
Legendre Coefficients

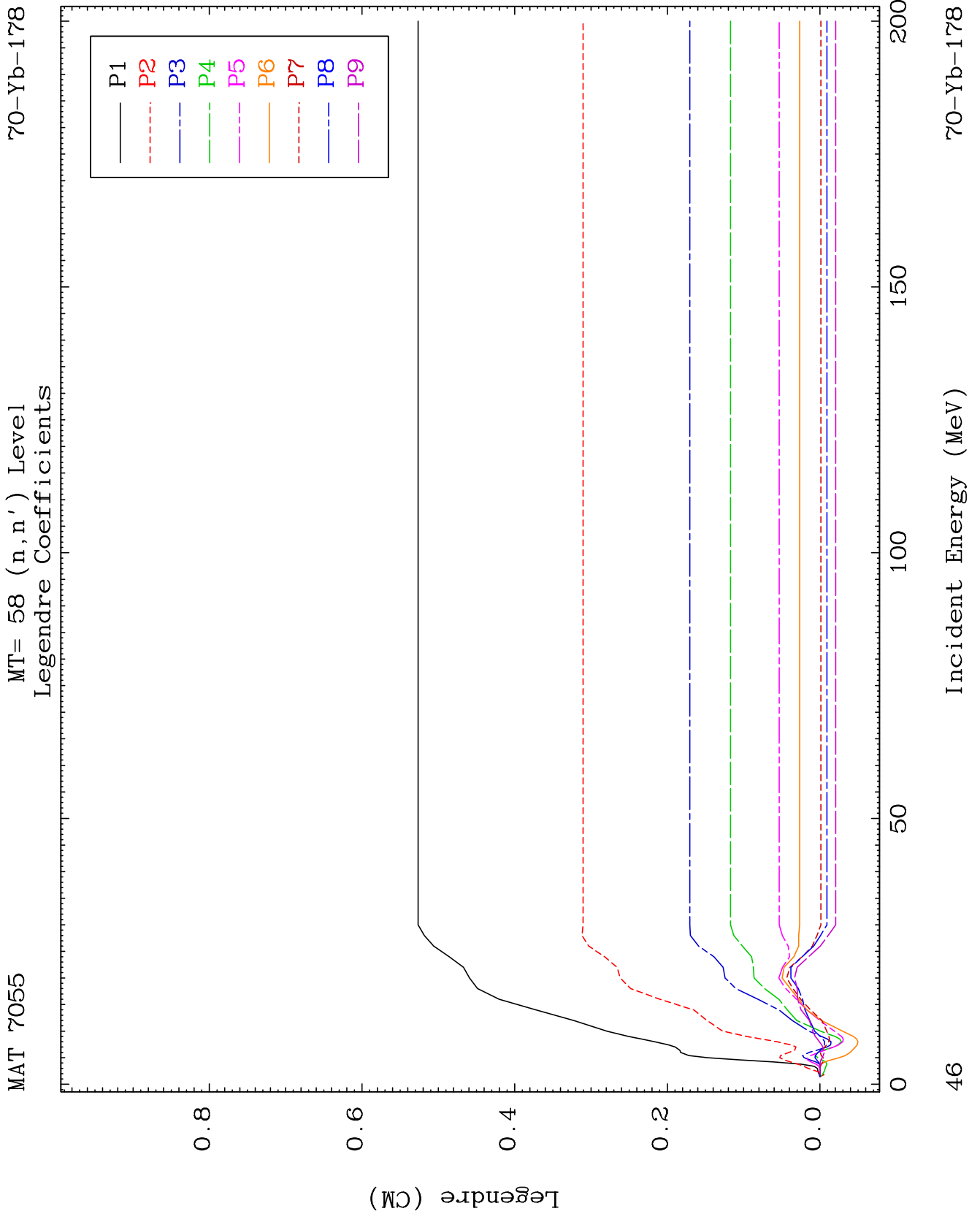


44

Incident Energy (MeV)

70-Yb-178

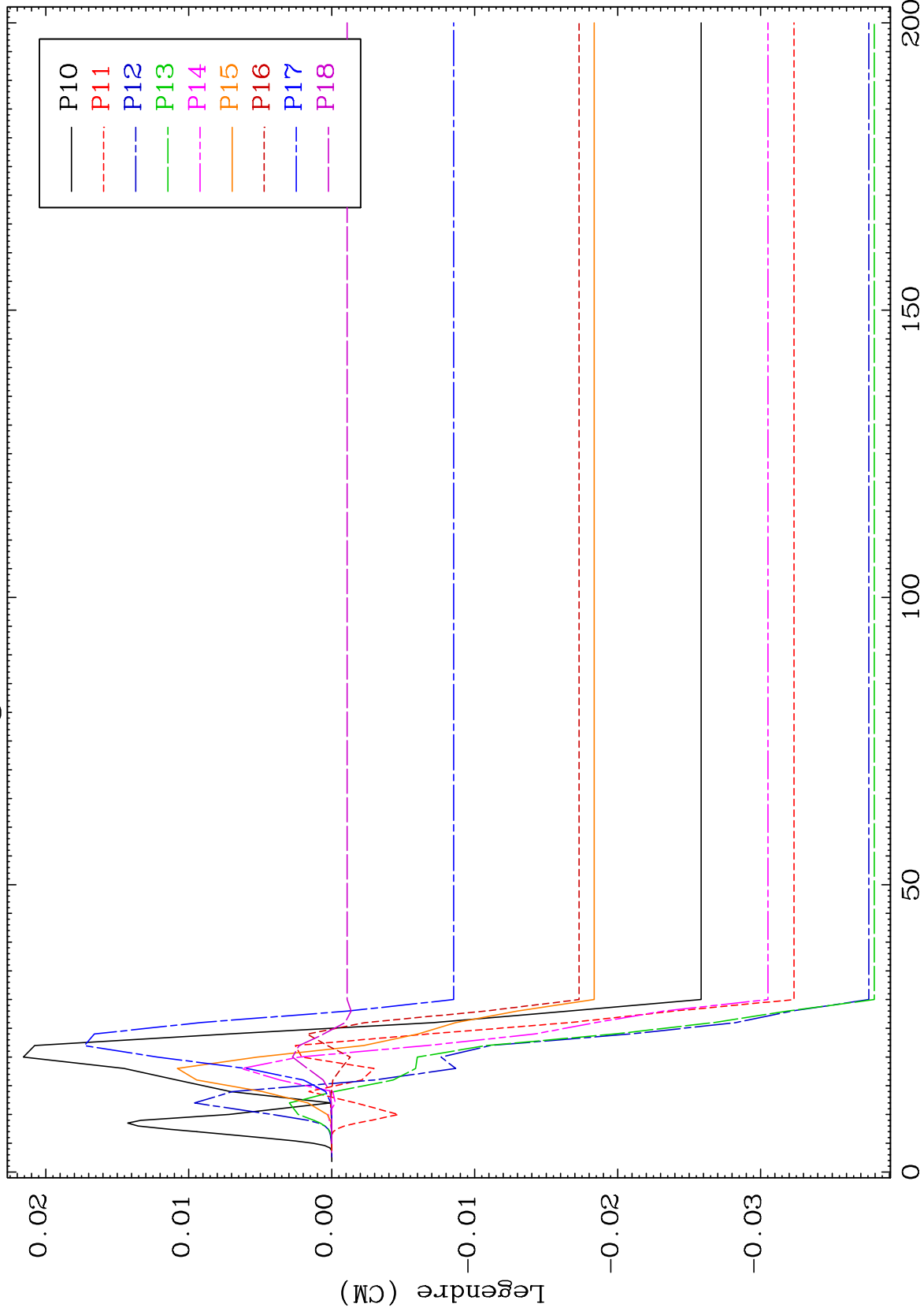




MAT 7055

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

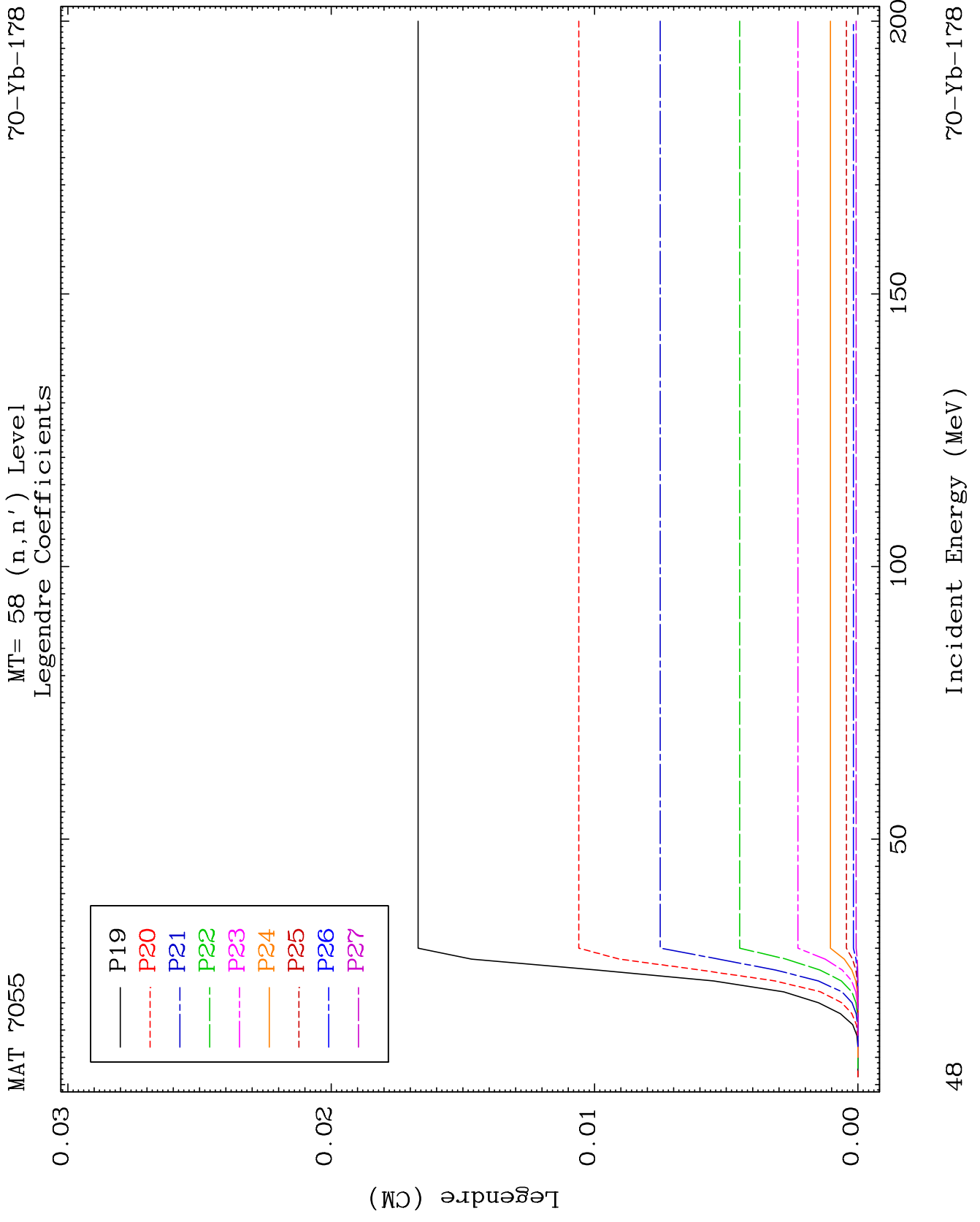
70-Yb-178



47

Incident Energy (MeV)

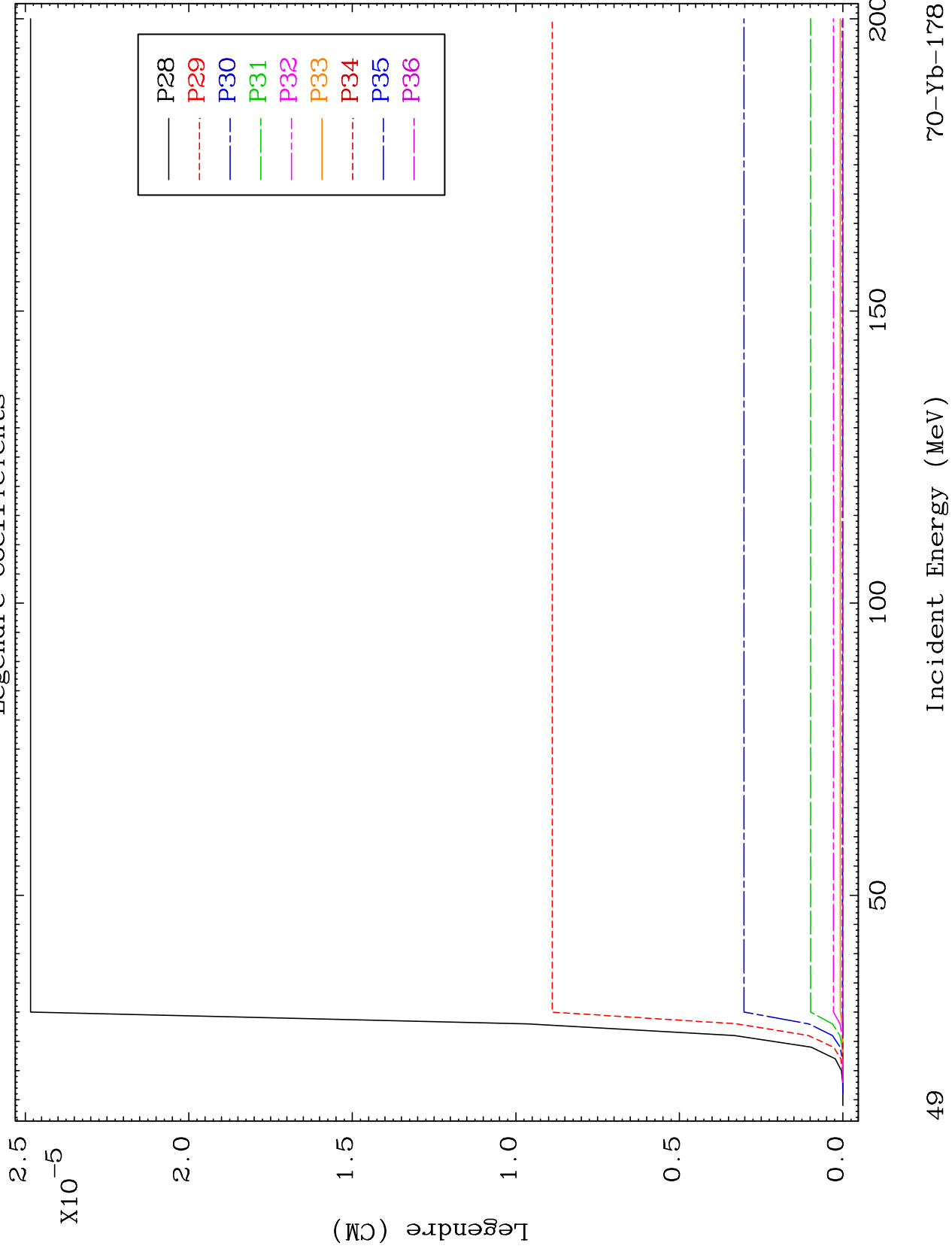
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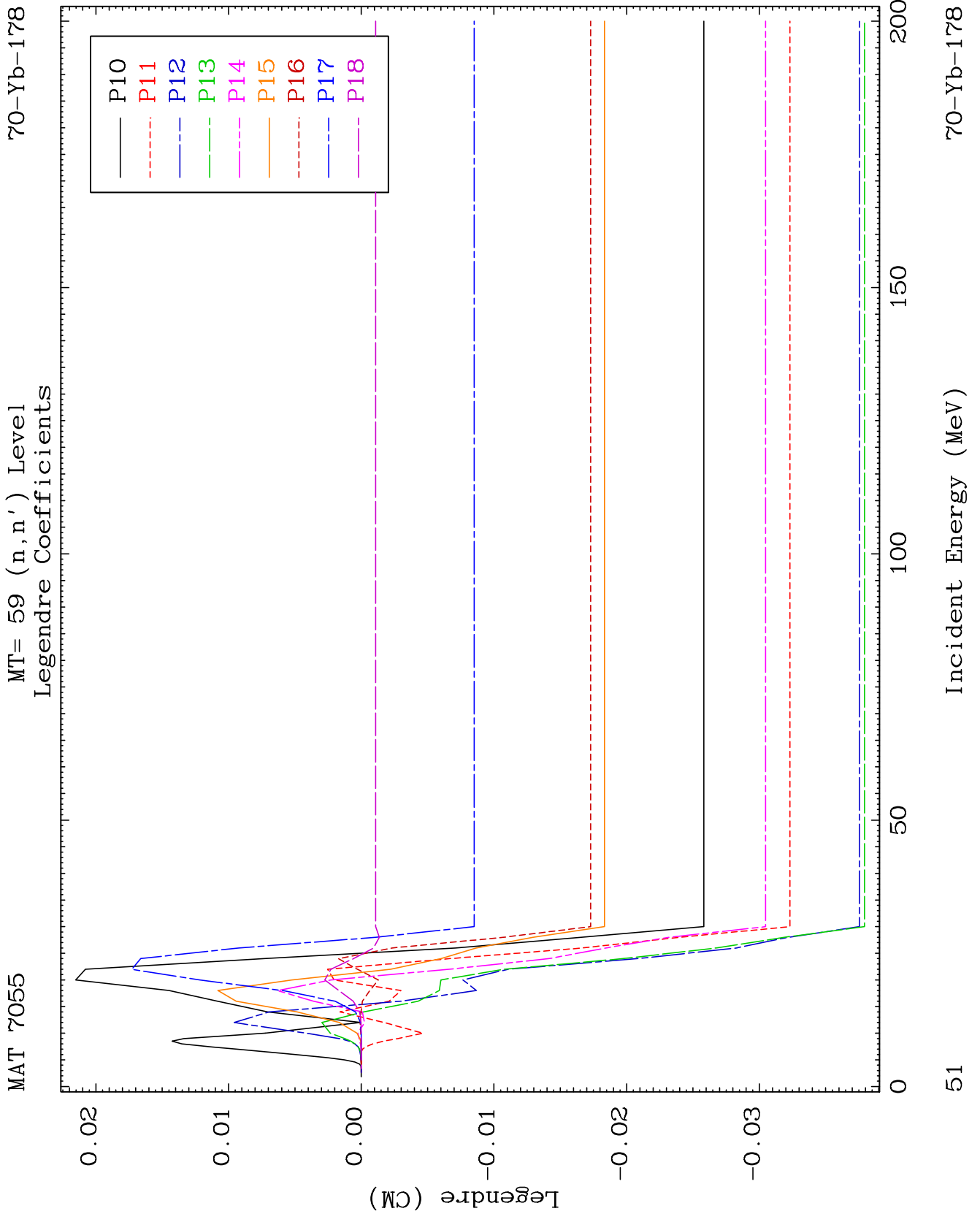


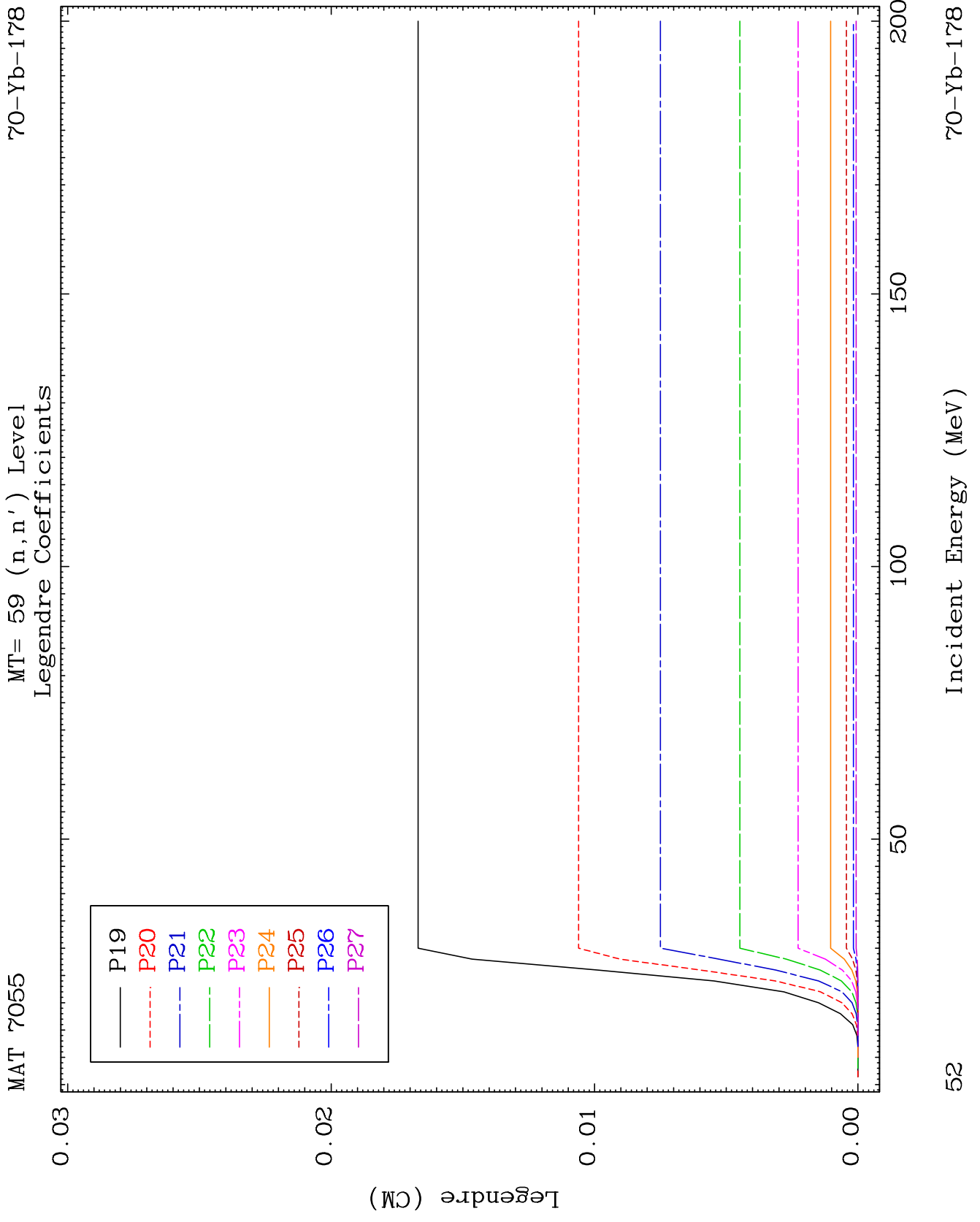
MAT 7055

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

70-Yb-178



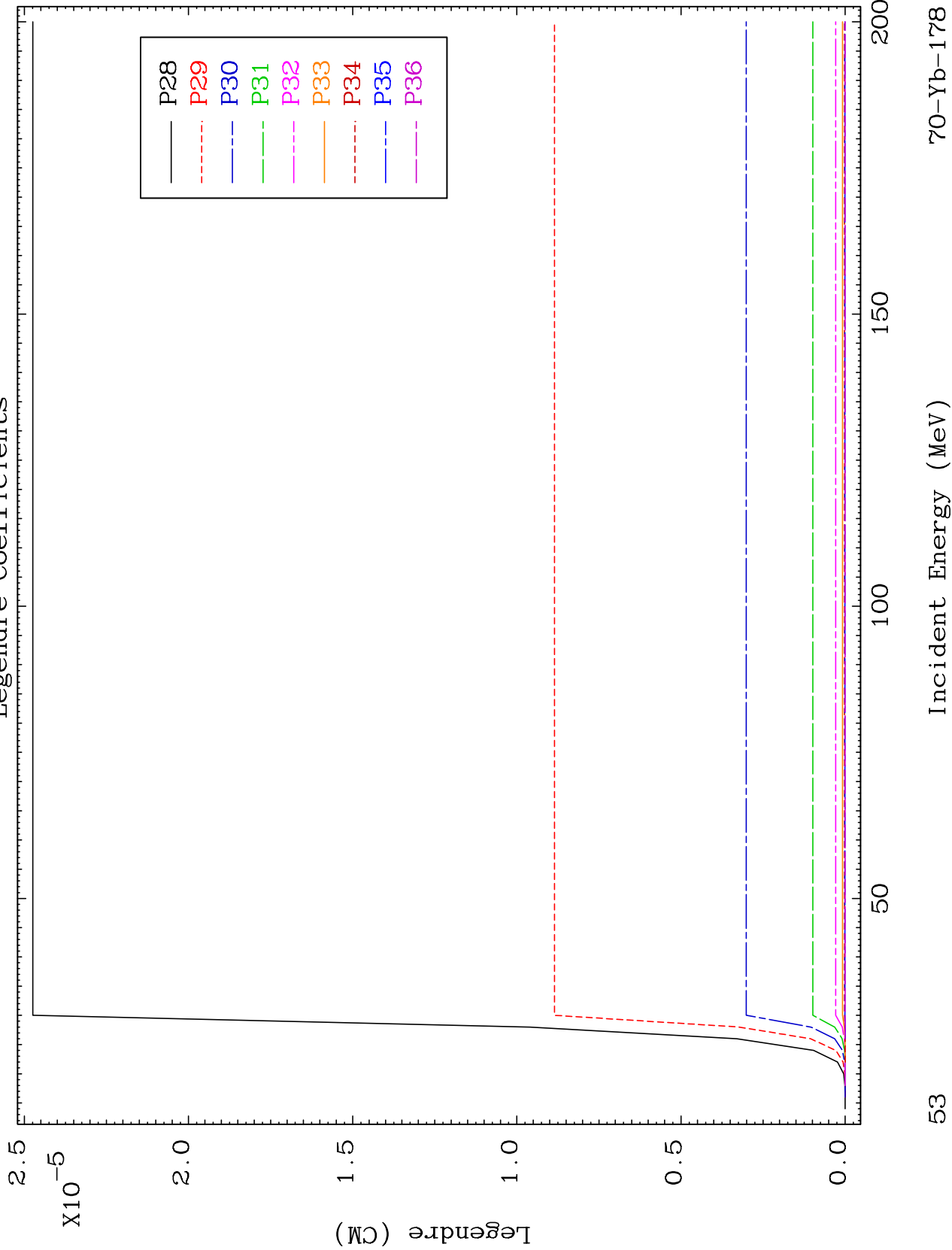




MAT 7055

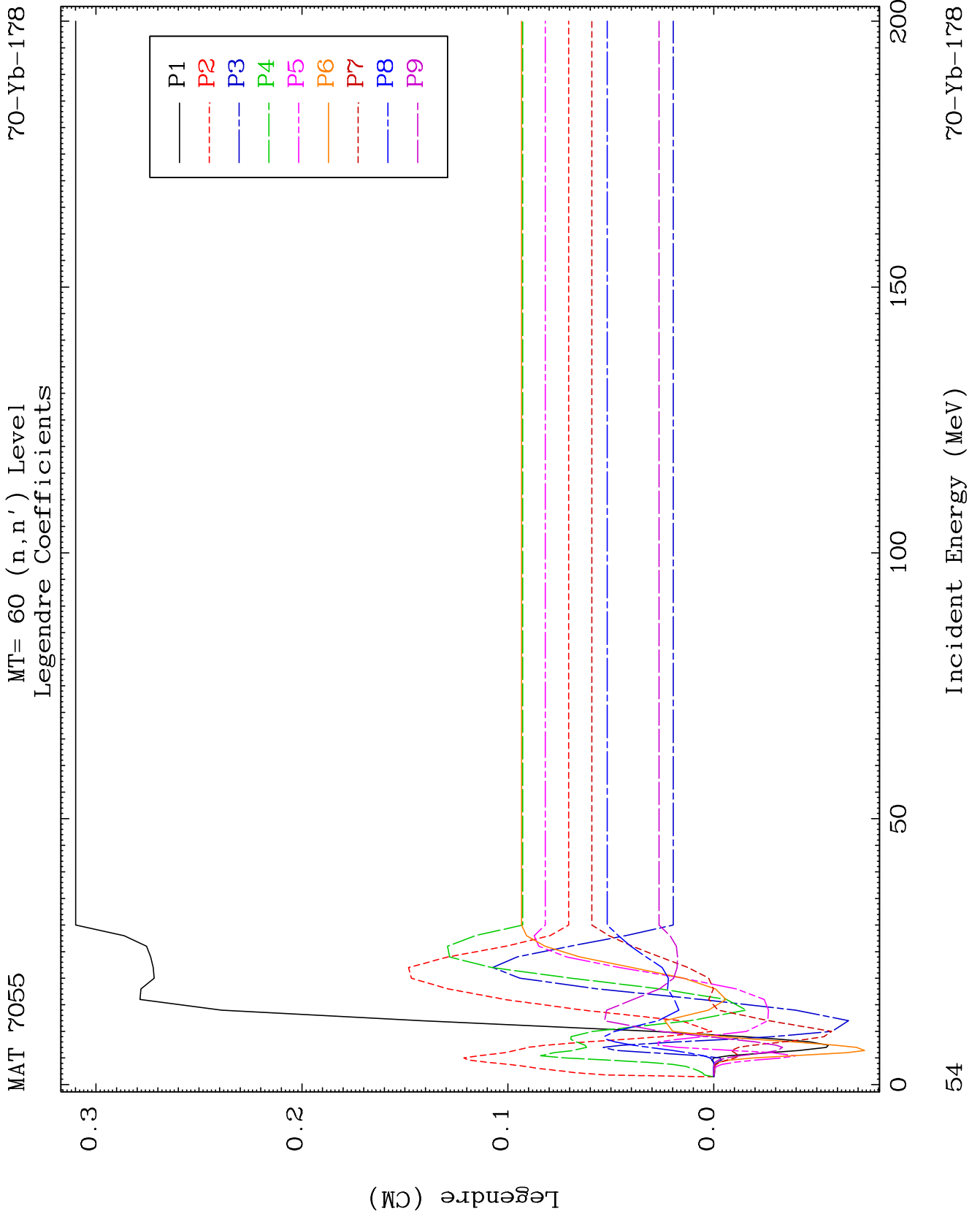
MT= 59 (n,n') Level
Legendre Coefficients

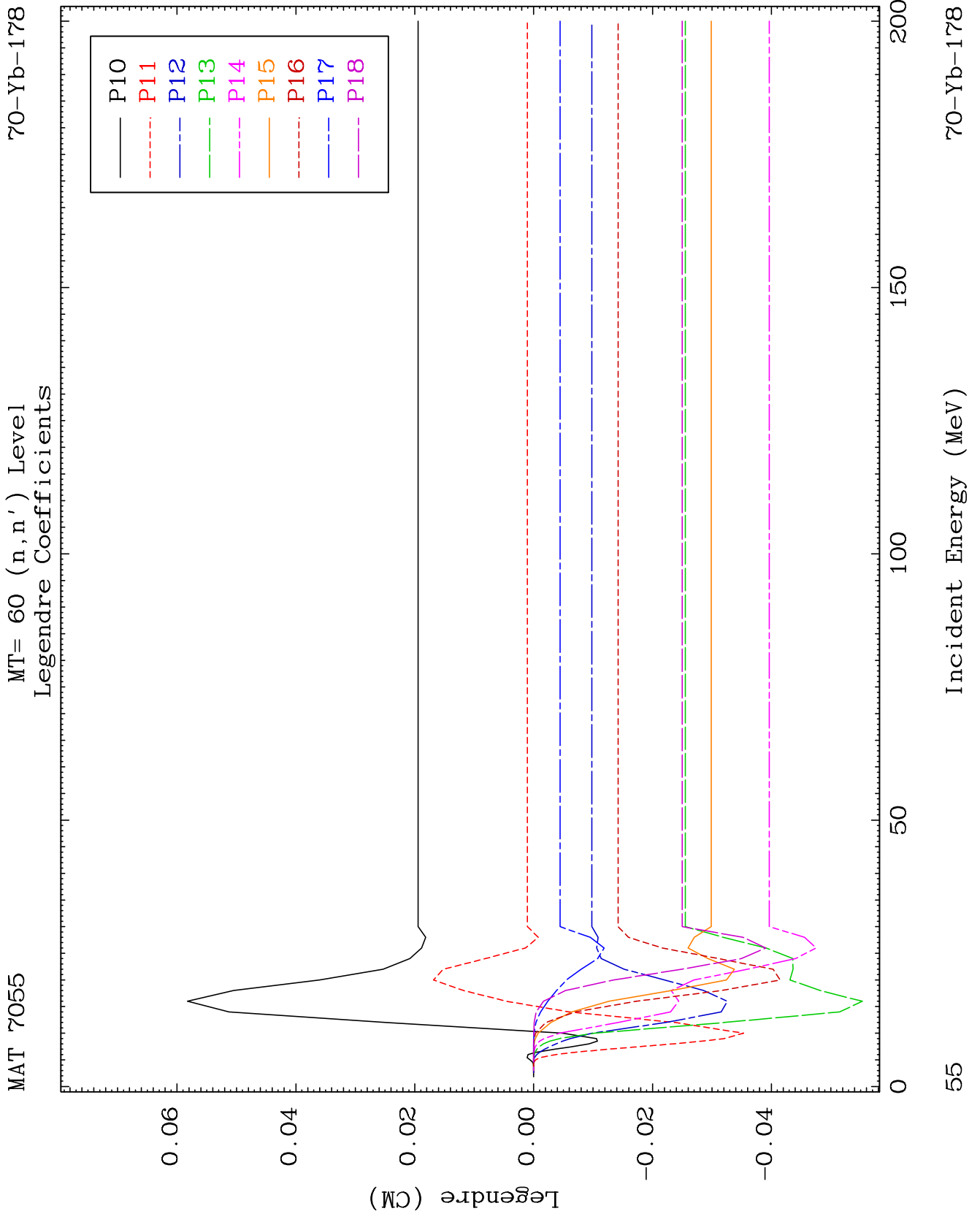
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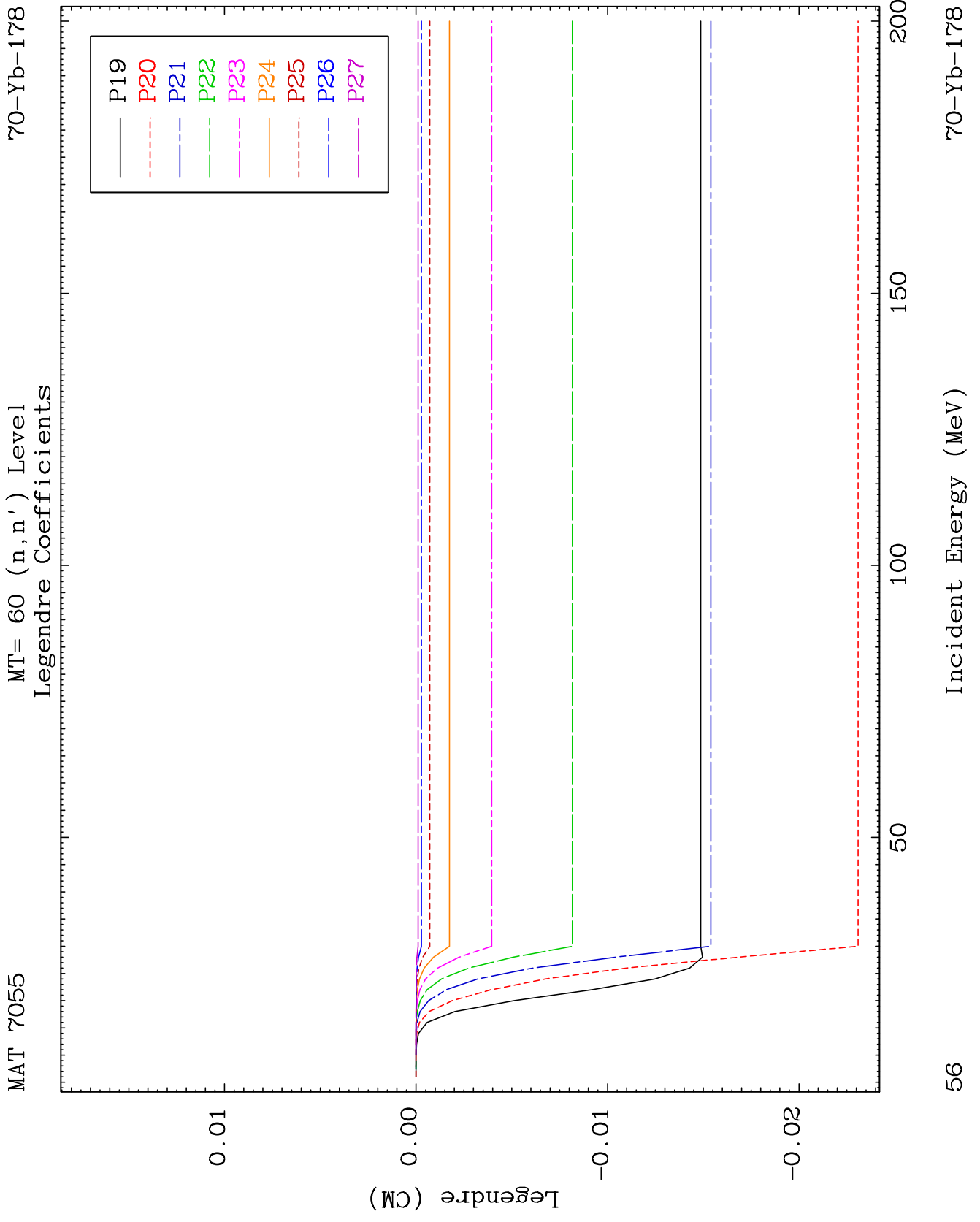


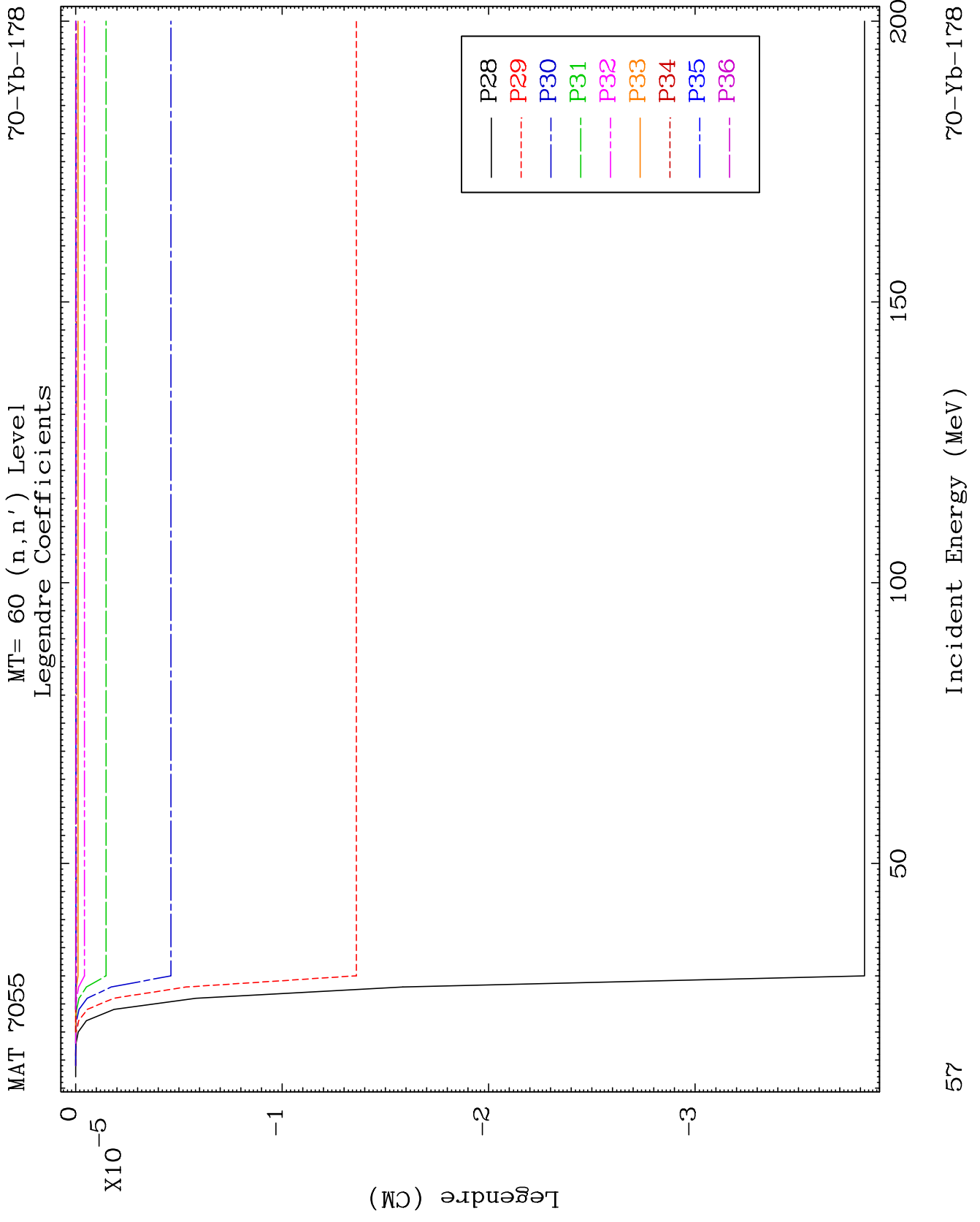
53

70-Yb-178





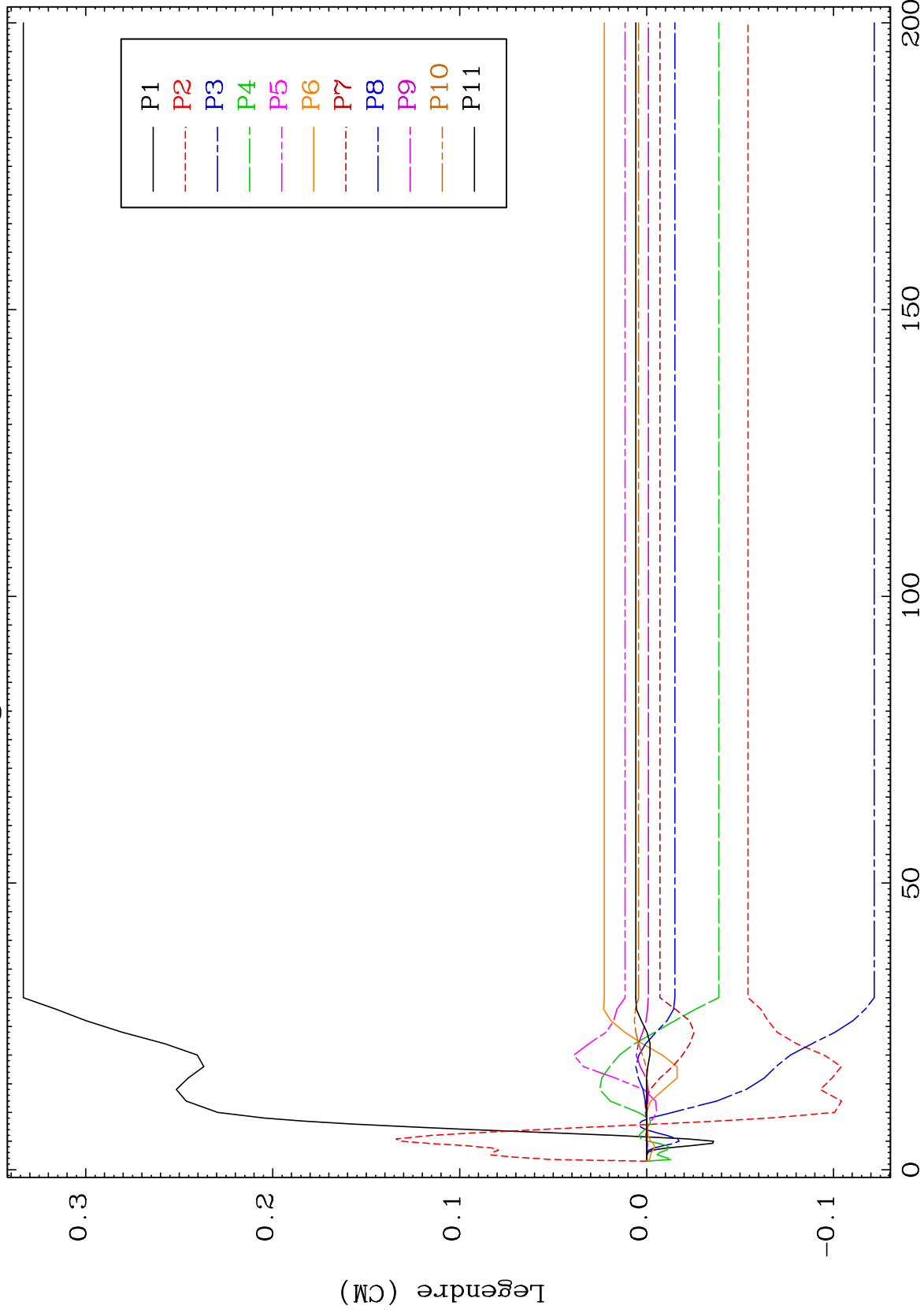




MAT 7055

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

70-Yb-178



58

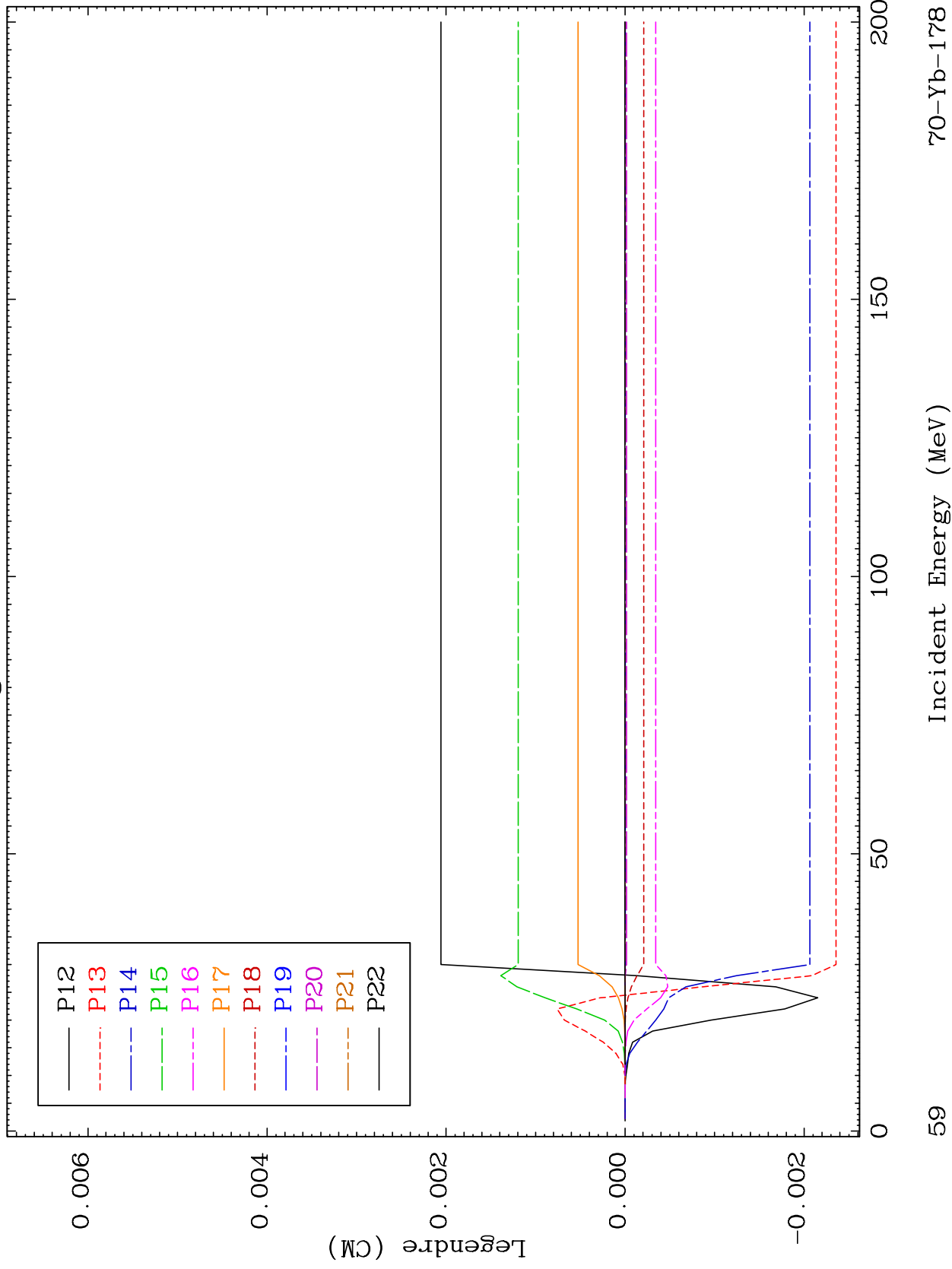
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



59

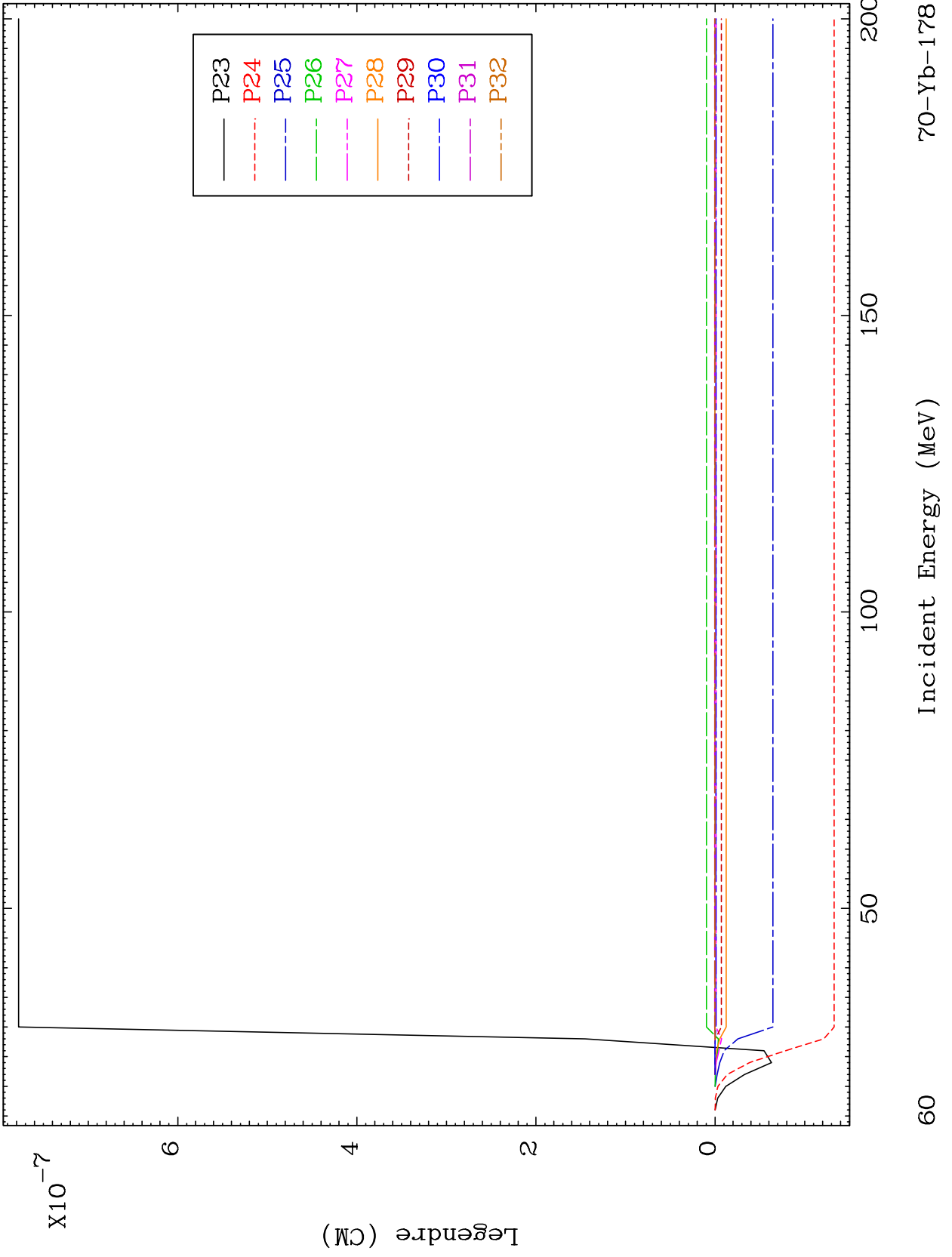
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

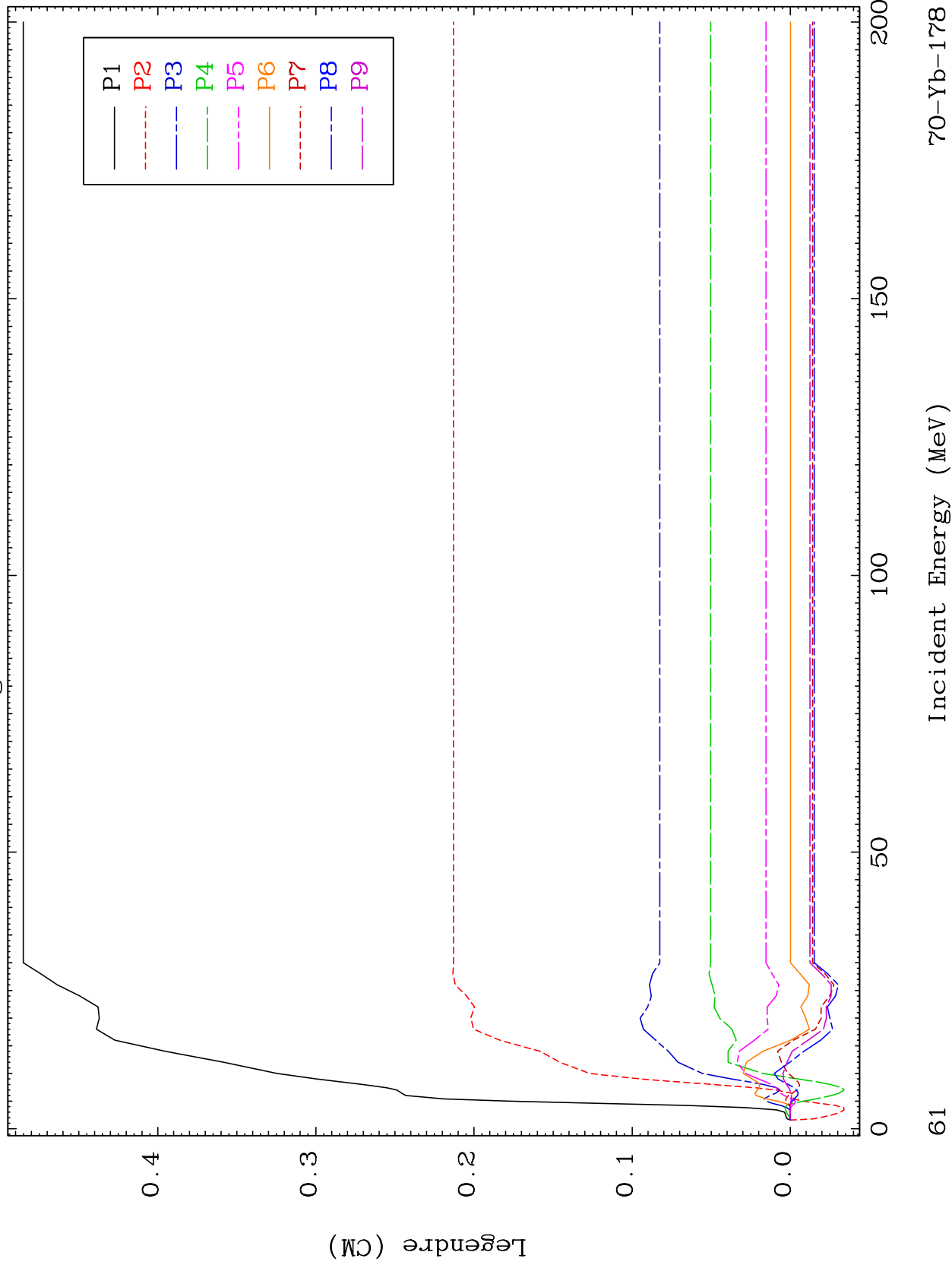
70-Yb-178



MAT 7055

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

70-Yb-178



70-Yb-178

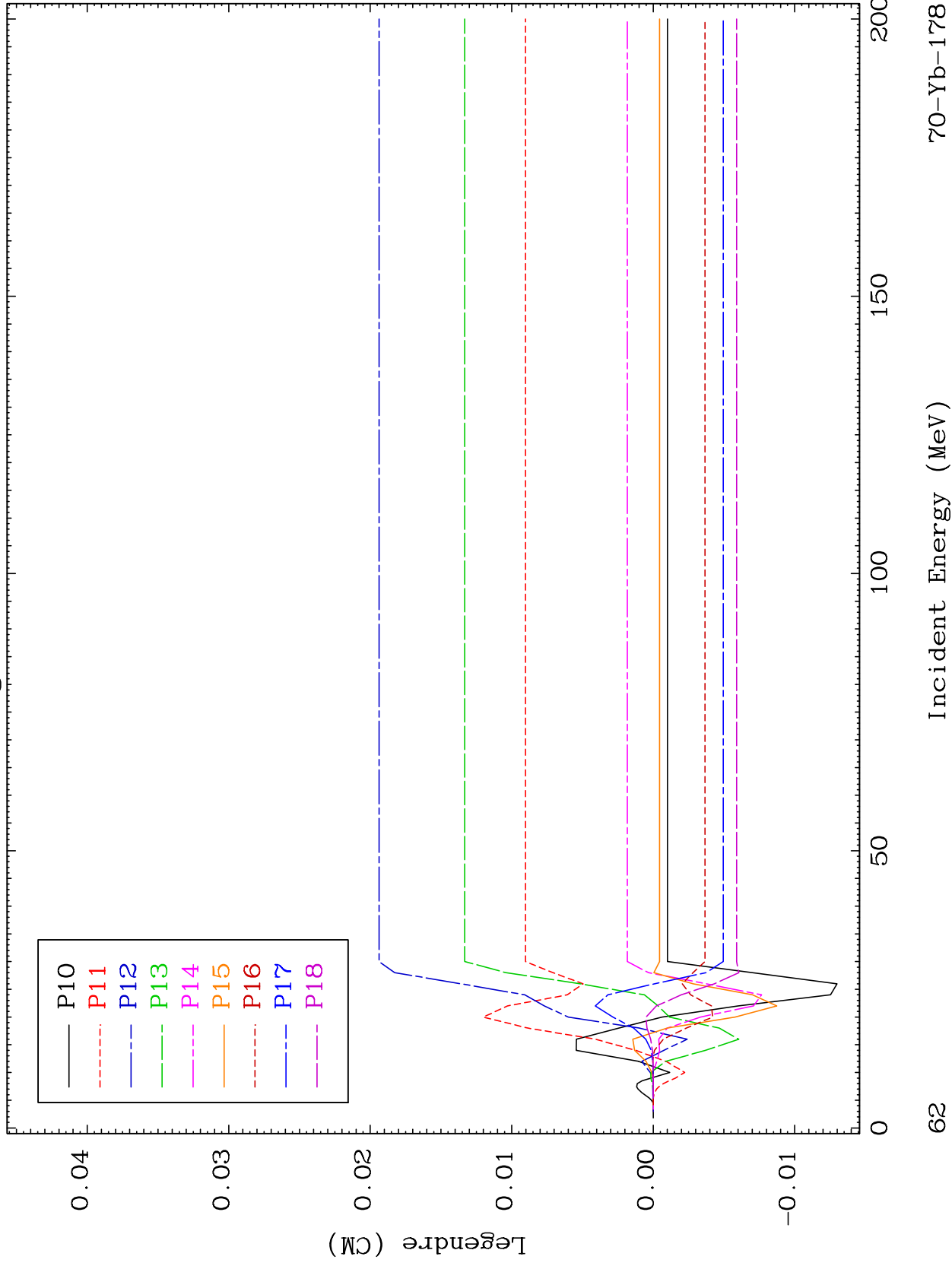
Incident Energy (MeV)

61

MAT 7055

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

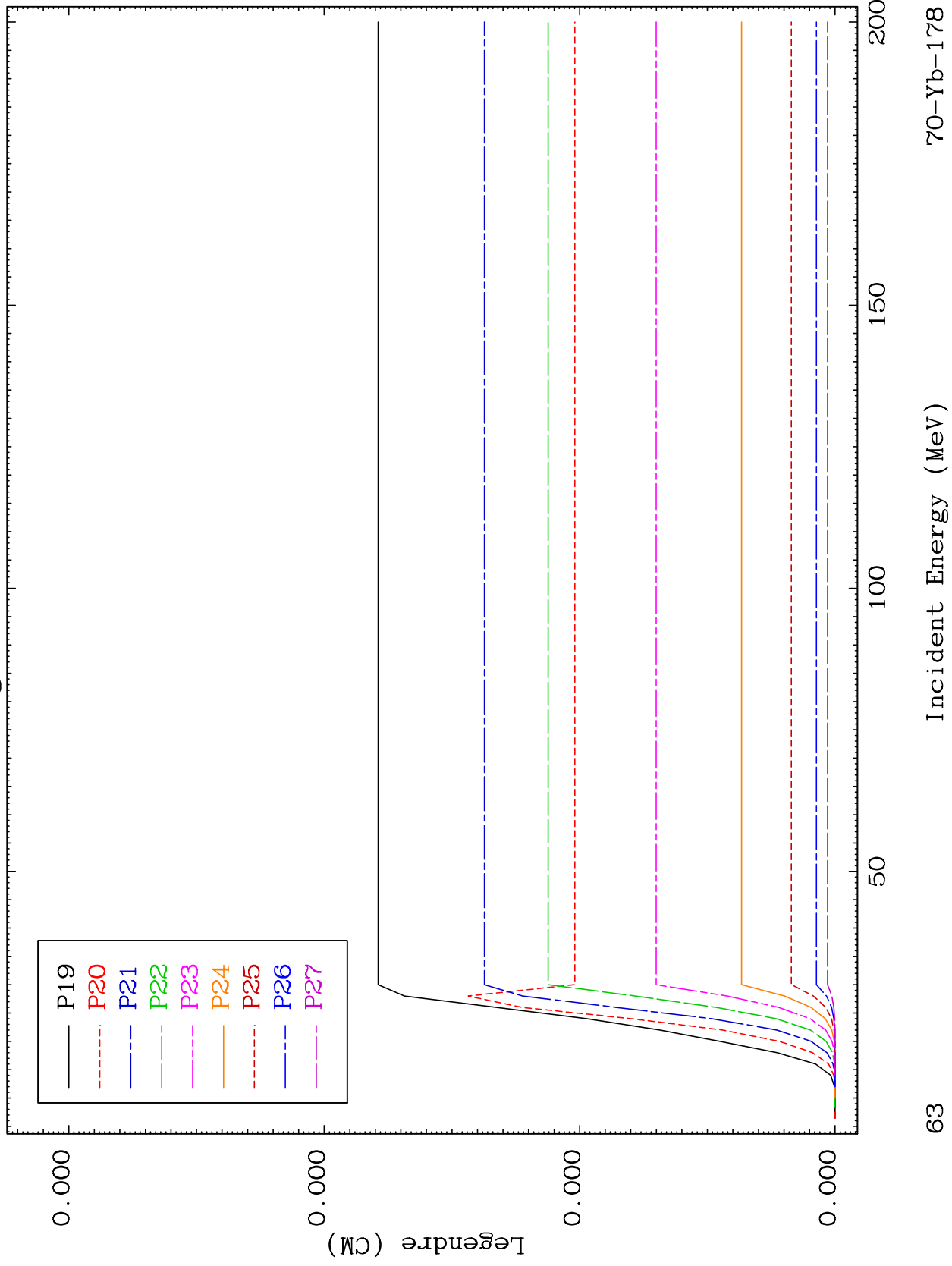
70-Yb-178

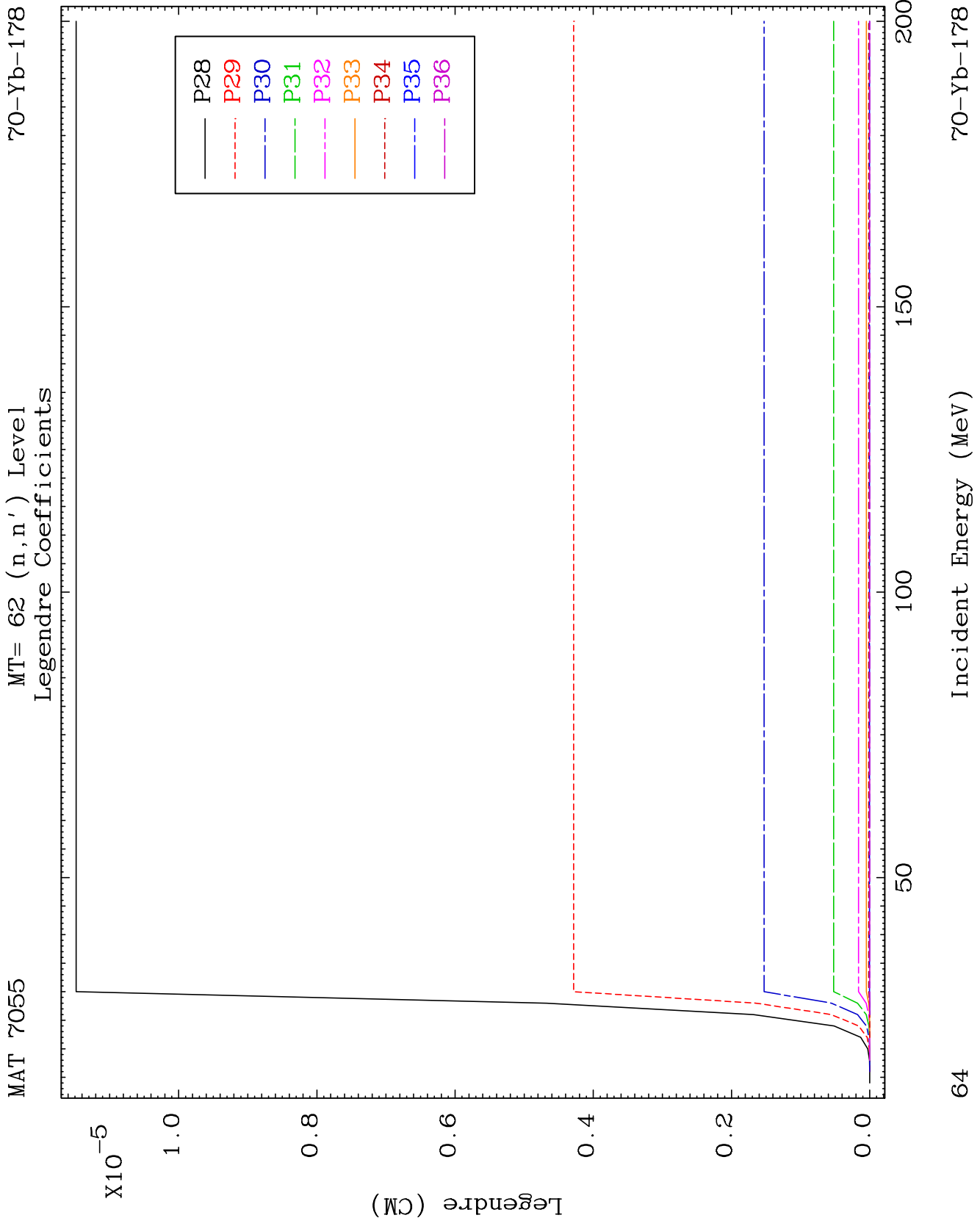


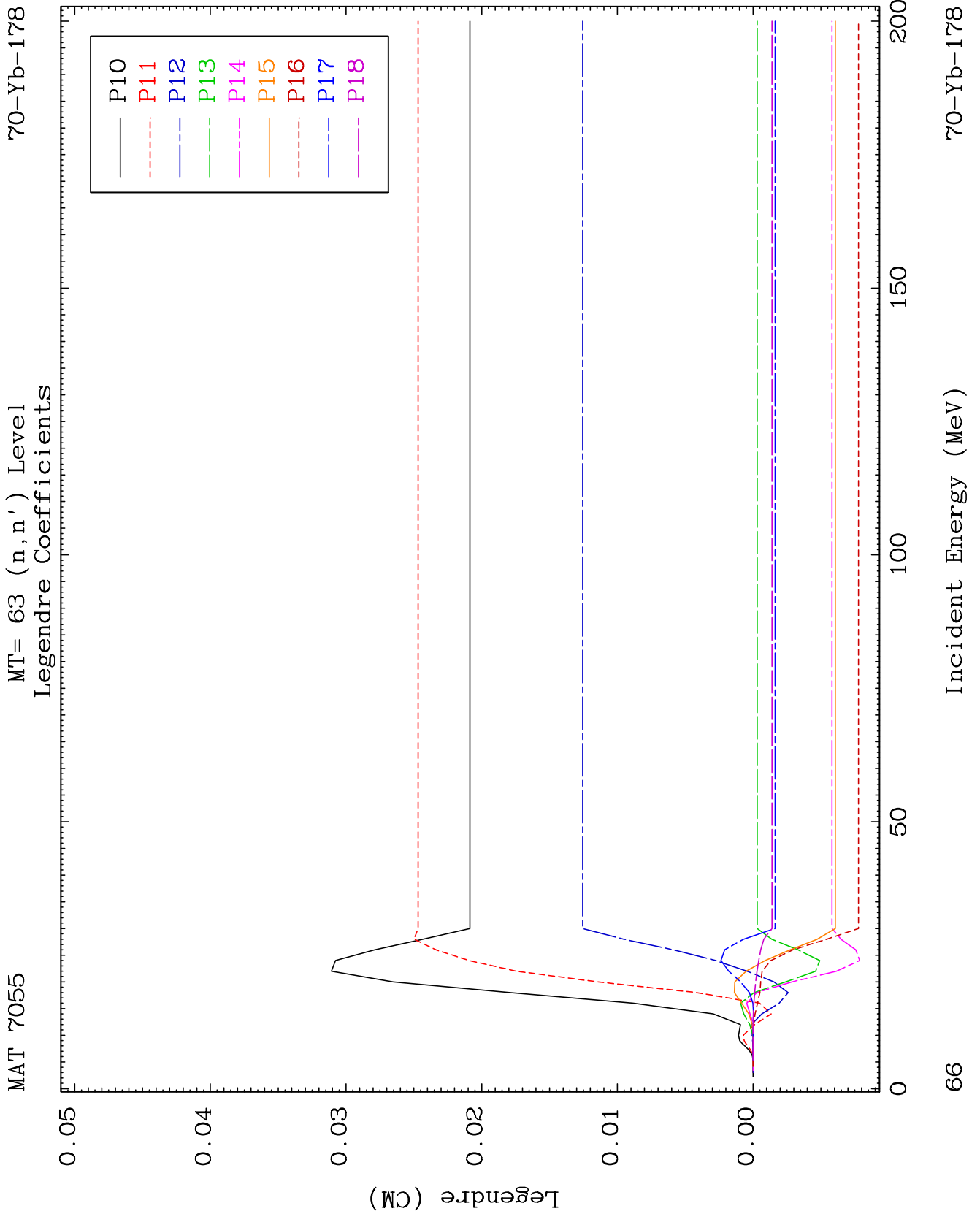
MAT 7055

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

70-Yb-178



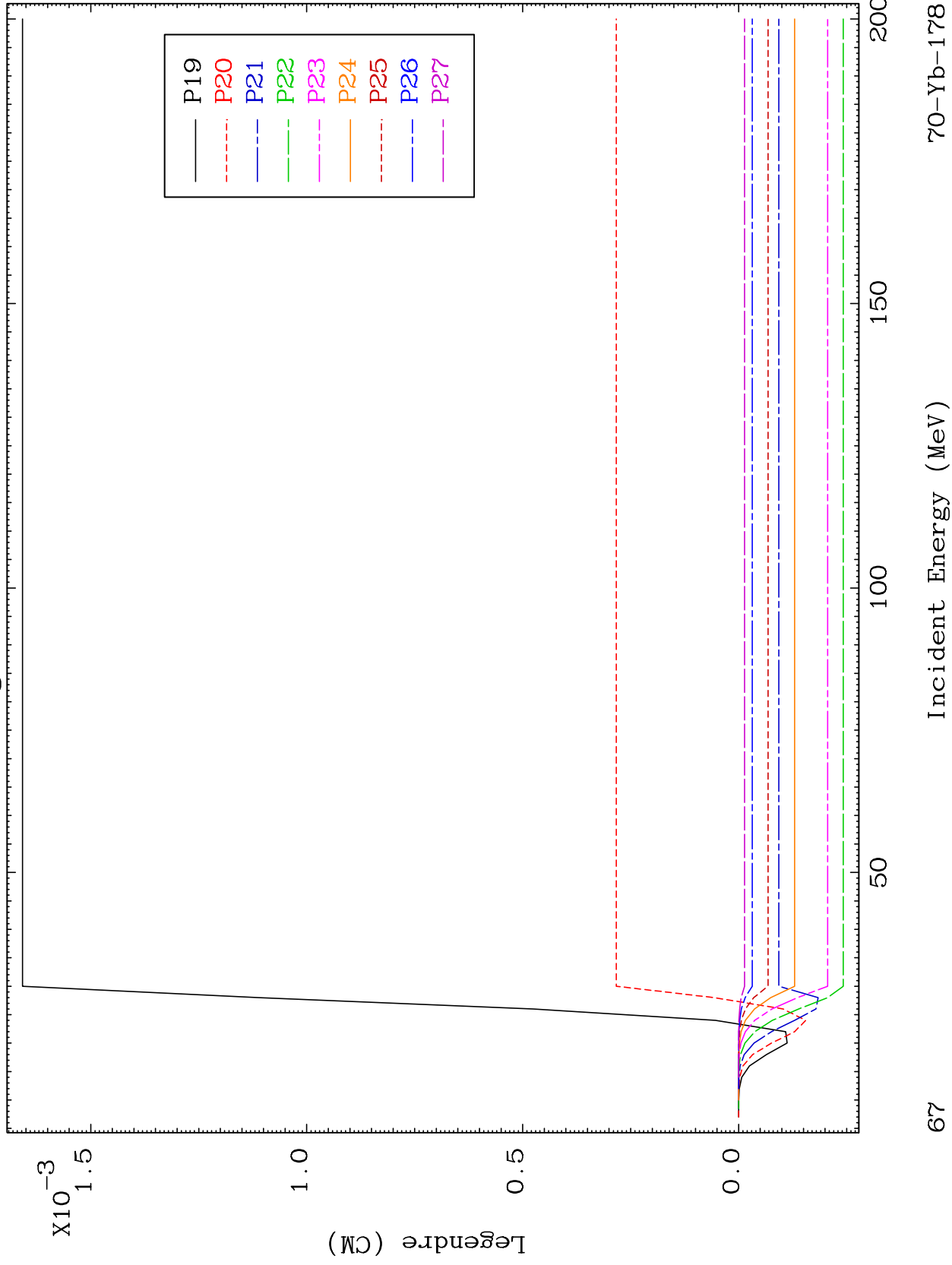




MAT 7055

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

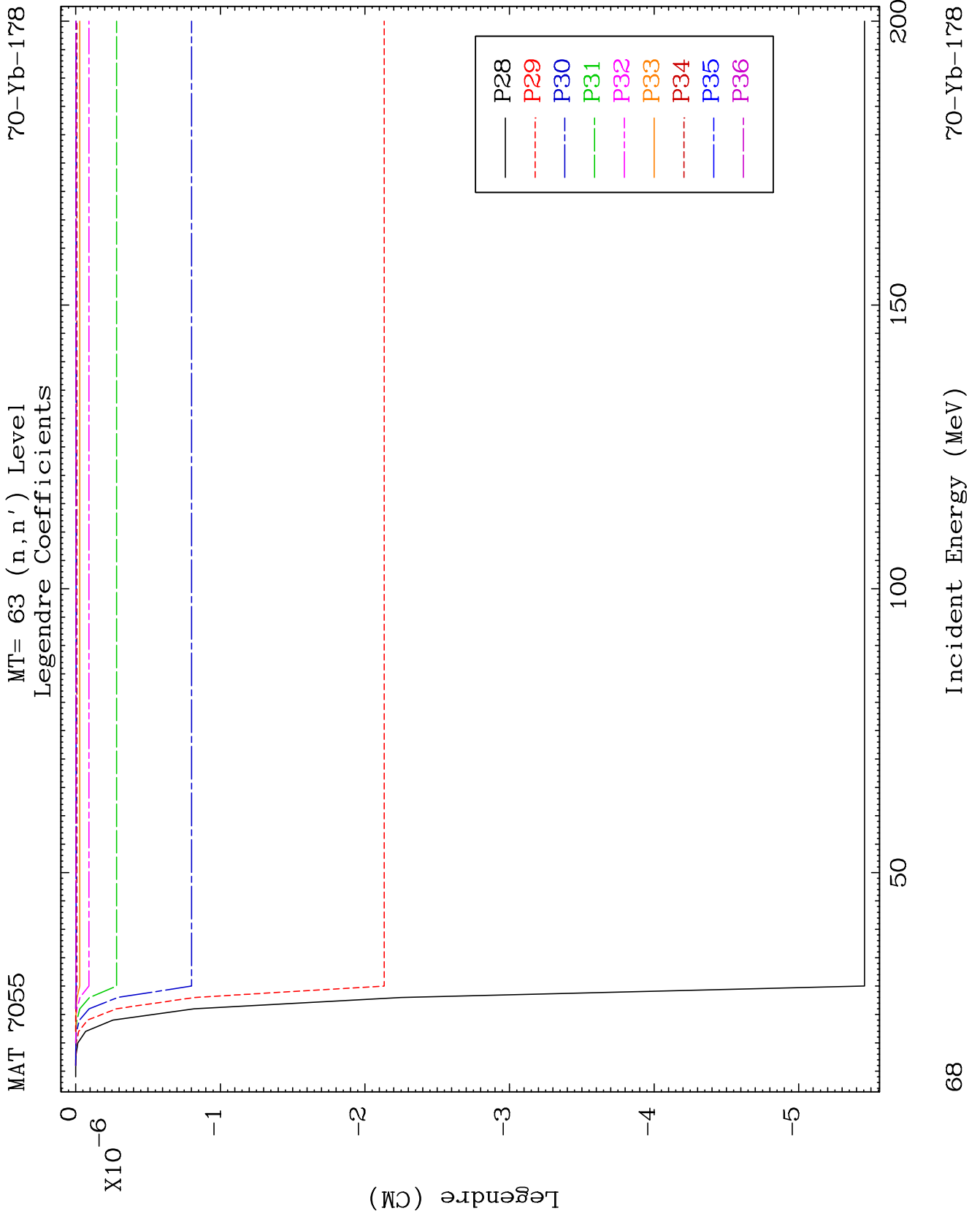
70-Yb-178



67

Incident Energy (MeV)

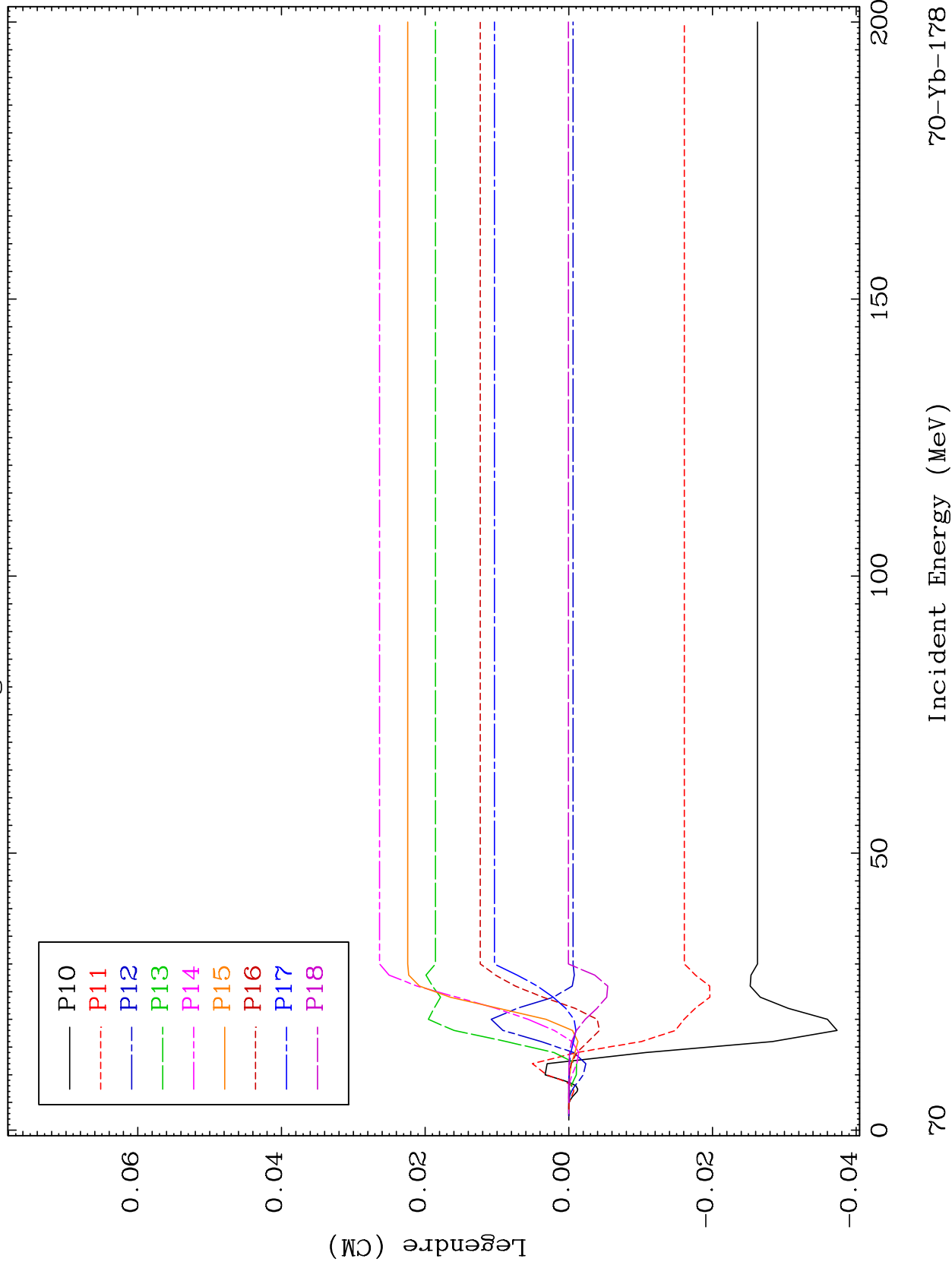
70-Yb-178



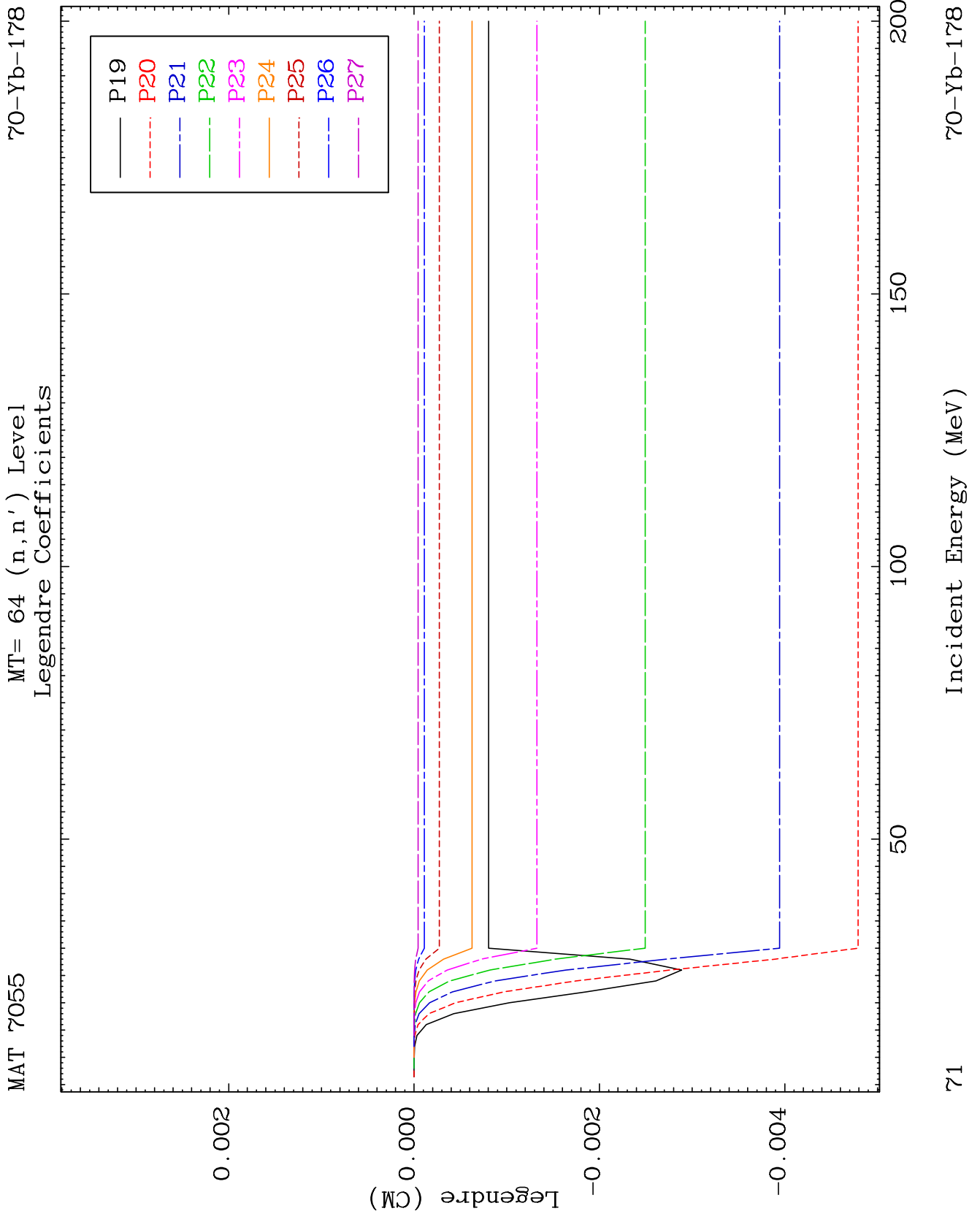
MAT 7055

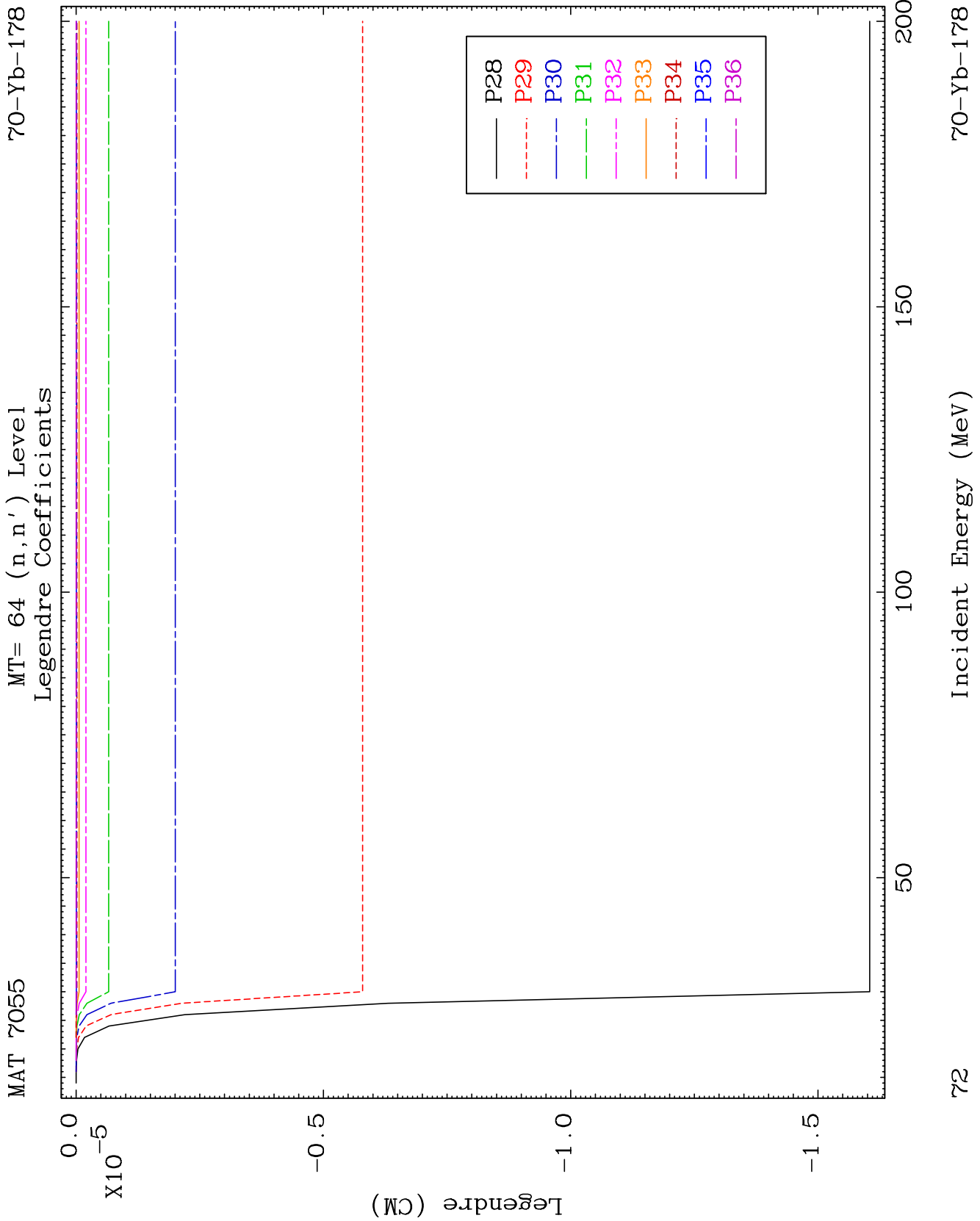
MT= 64 (n,n') Level
Legendre Coefficients

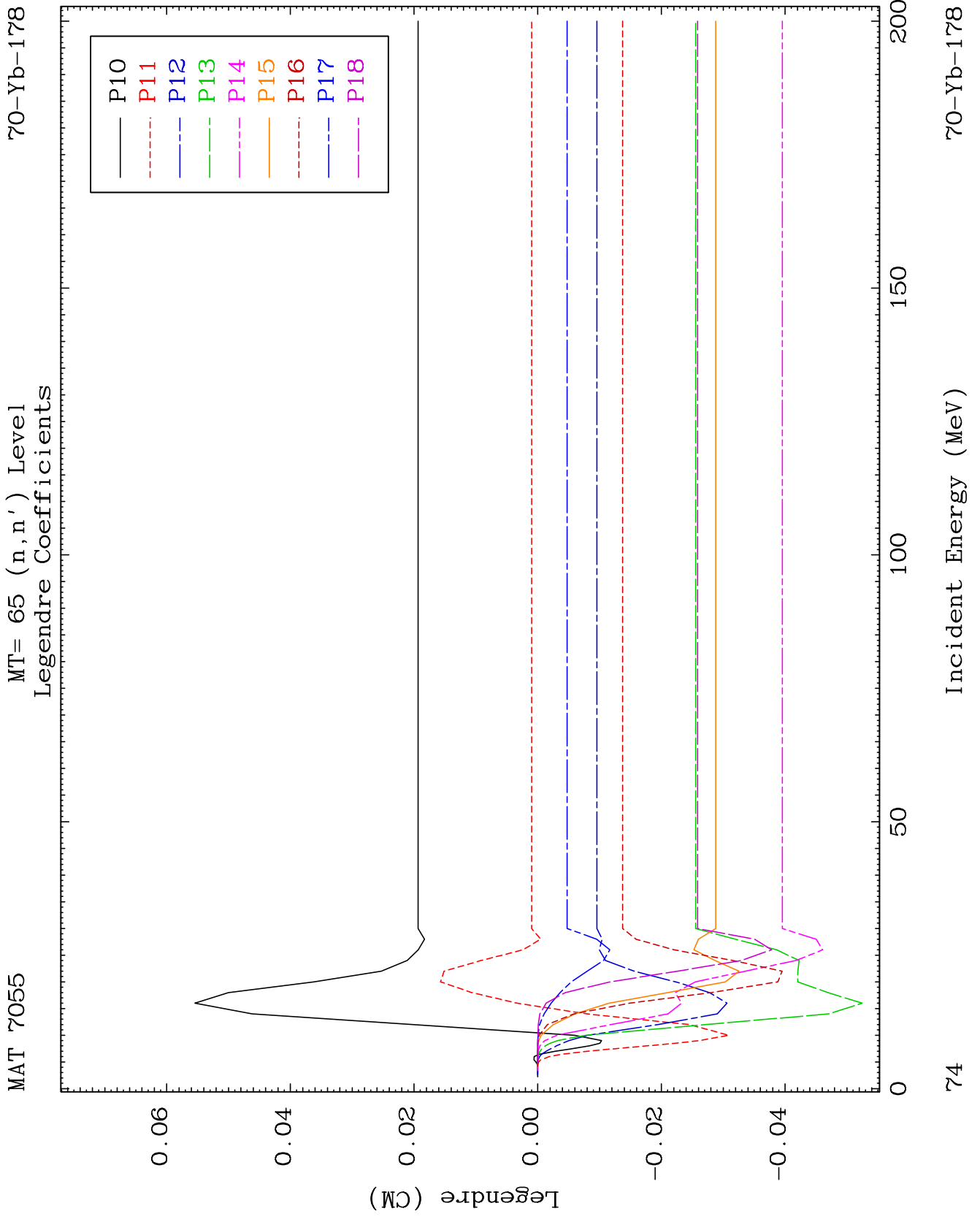
70-Yb-178

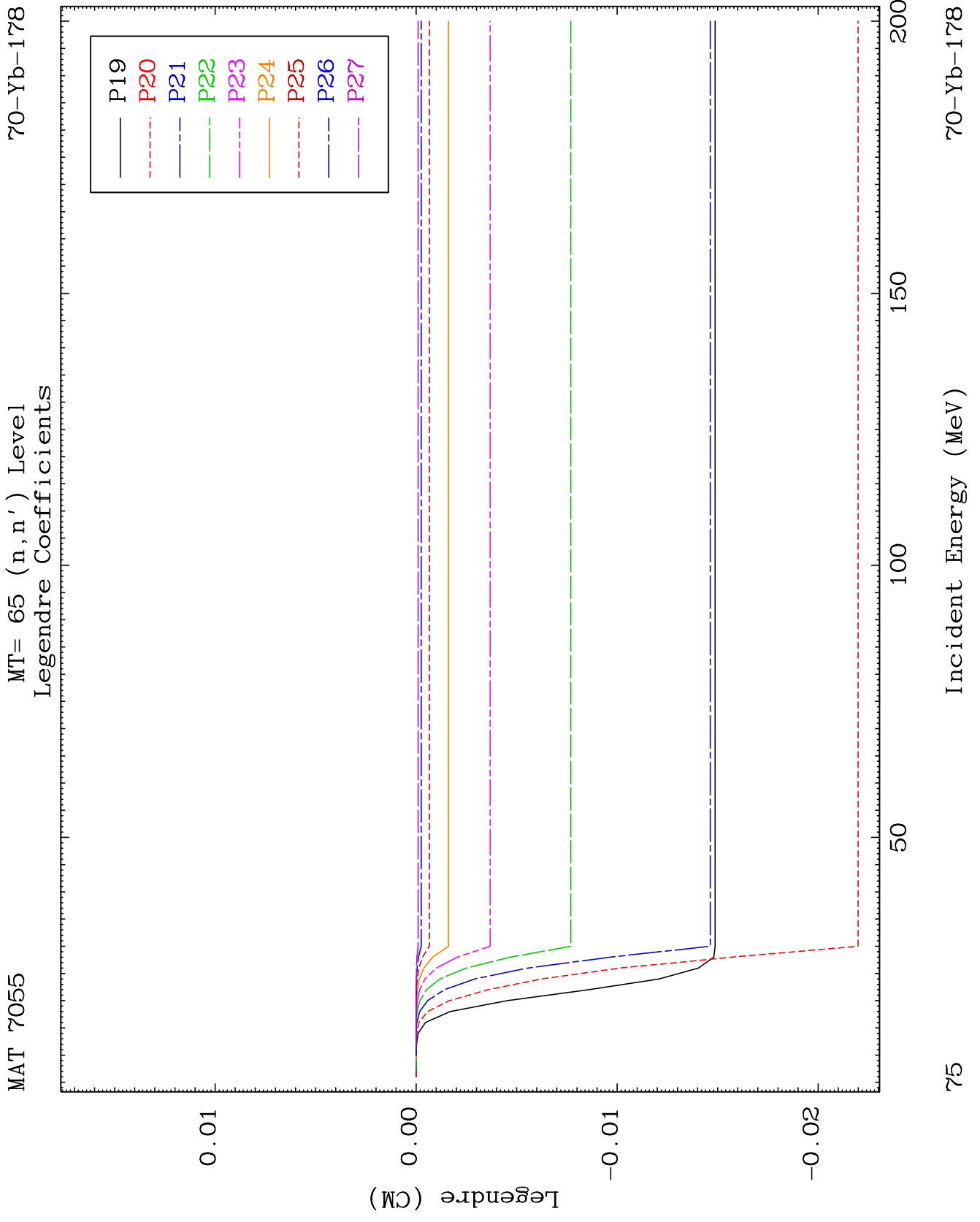


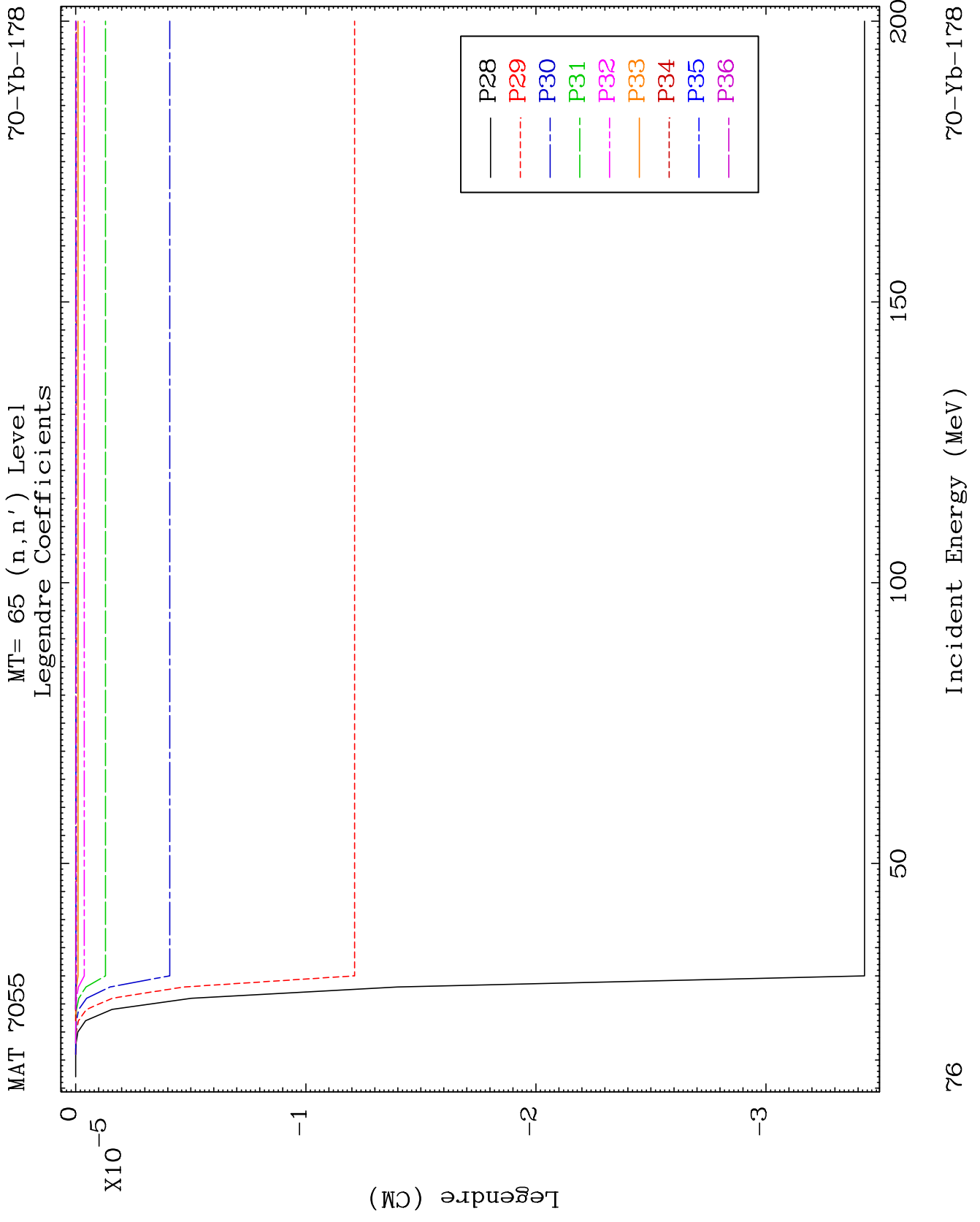
70-Yb-178

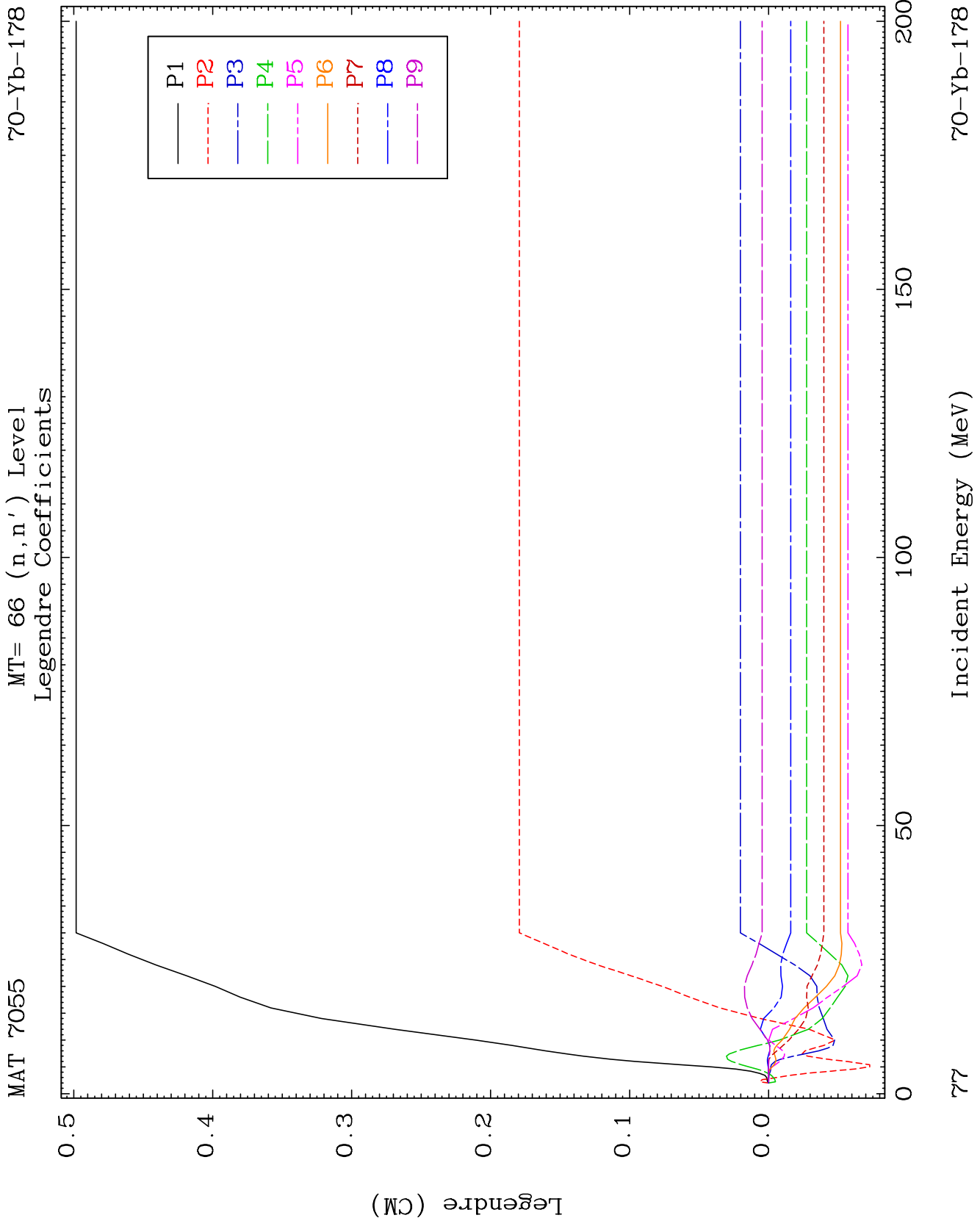


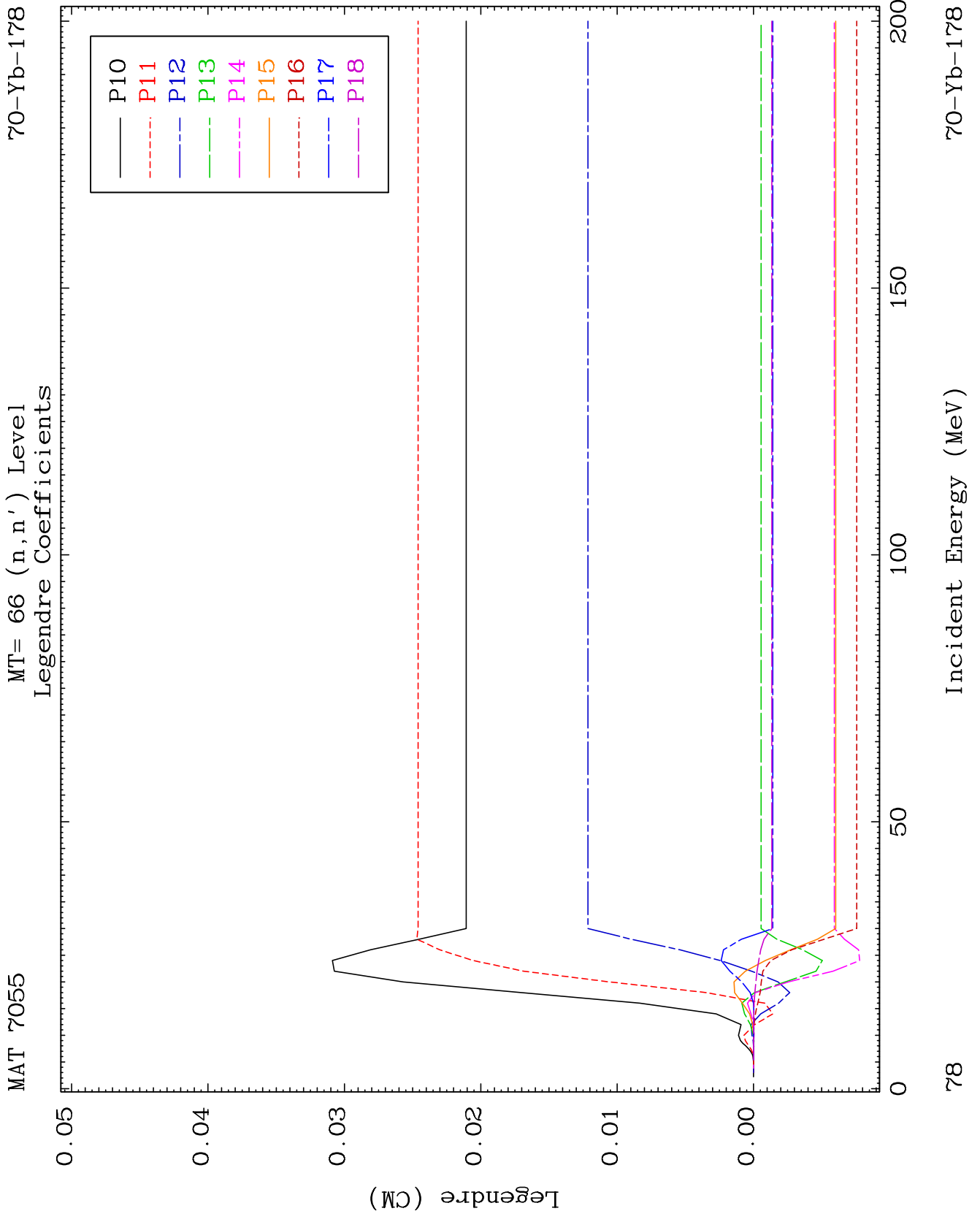








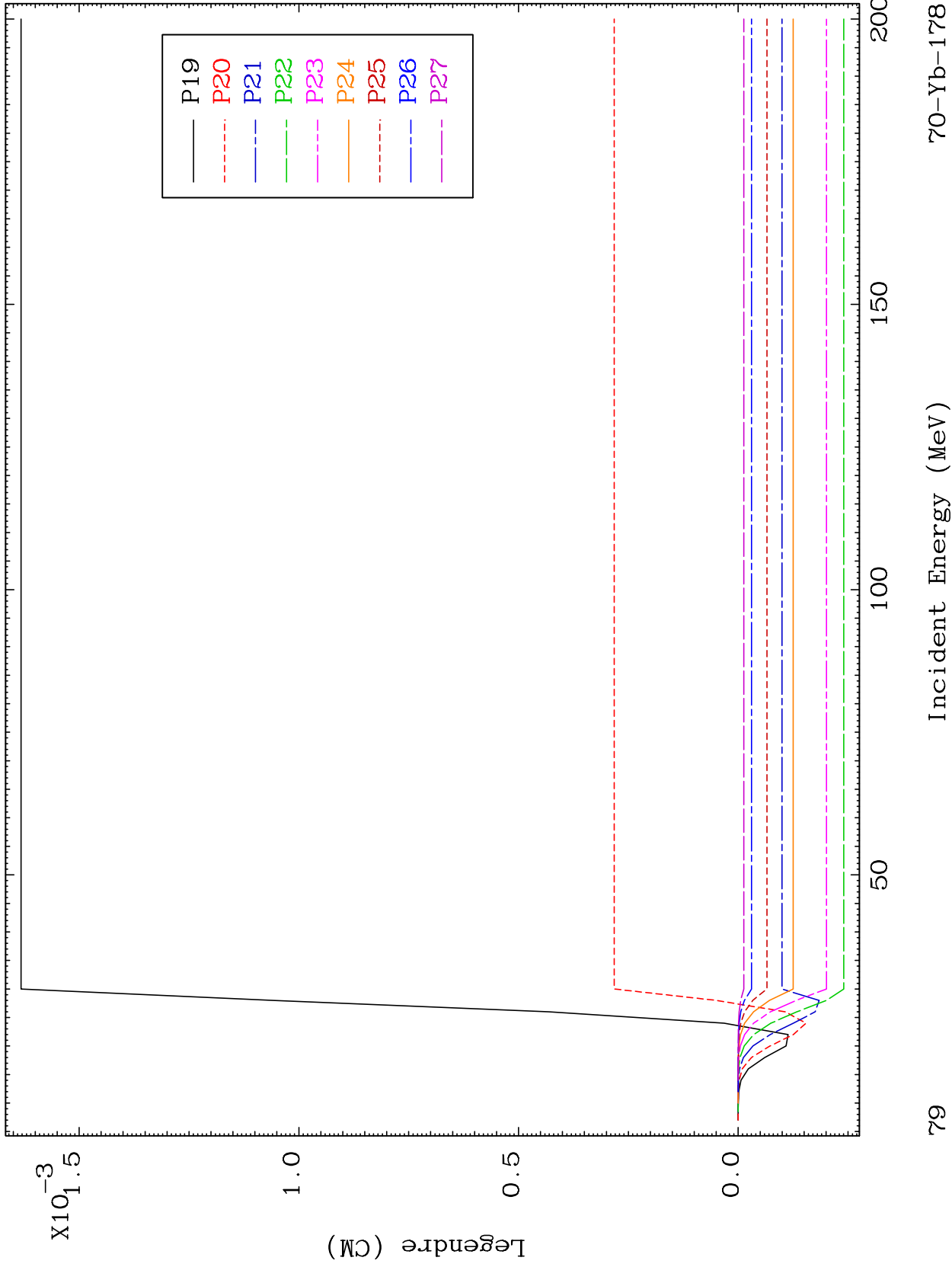




MAT 7055

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

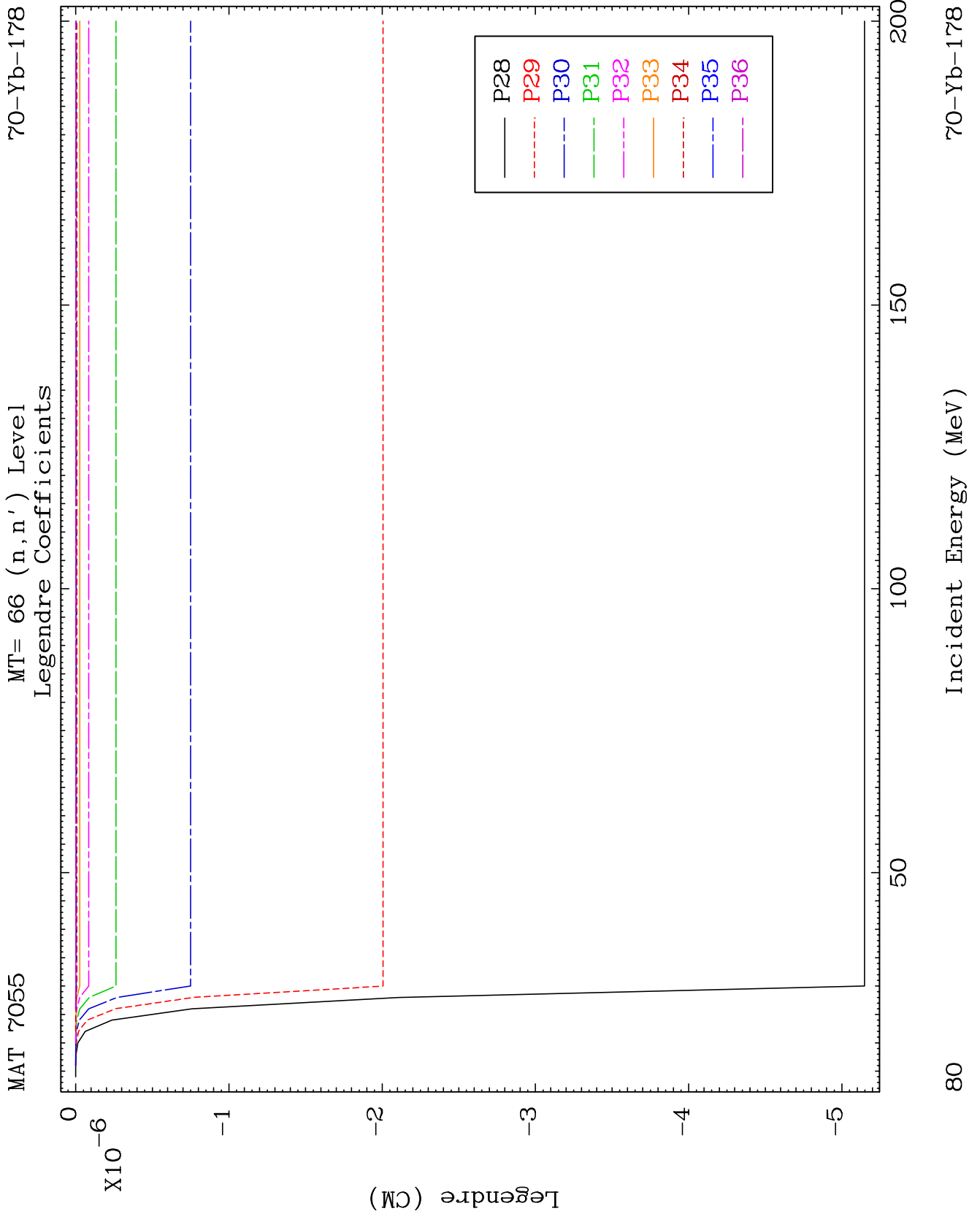
70-Yb-178



79

Incident Energy (MeV)

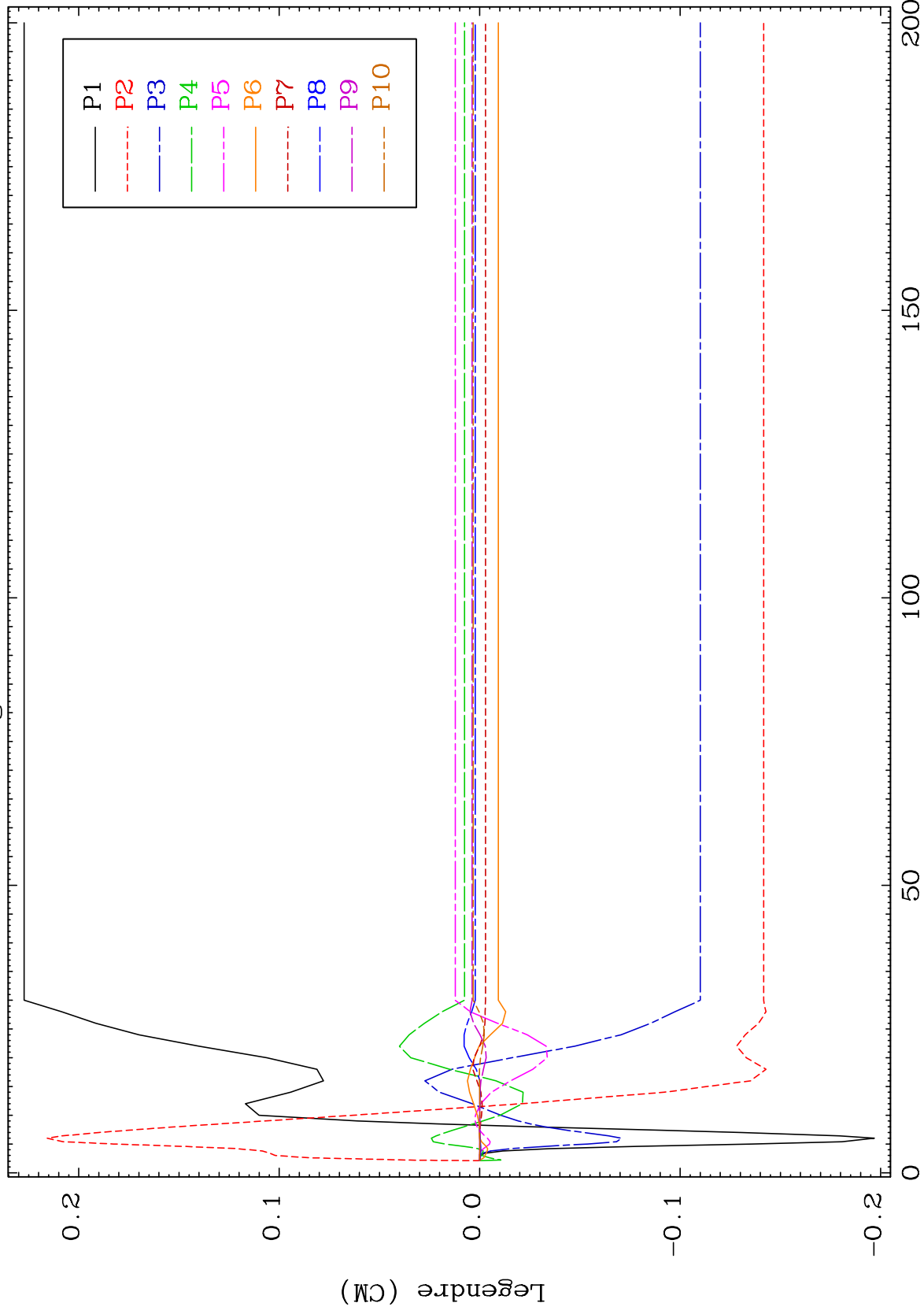
70-Yb-178



MAT 7055

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

70-Yb-178



81

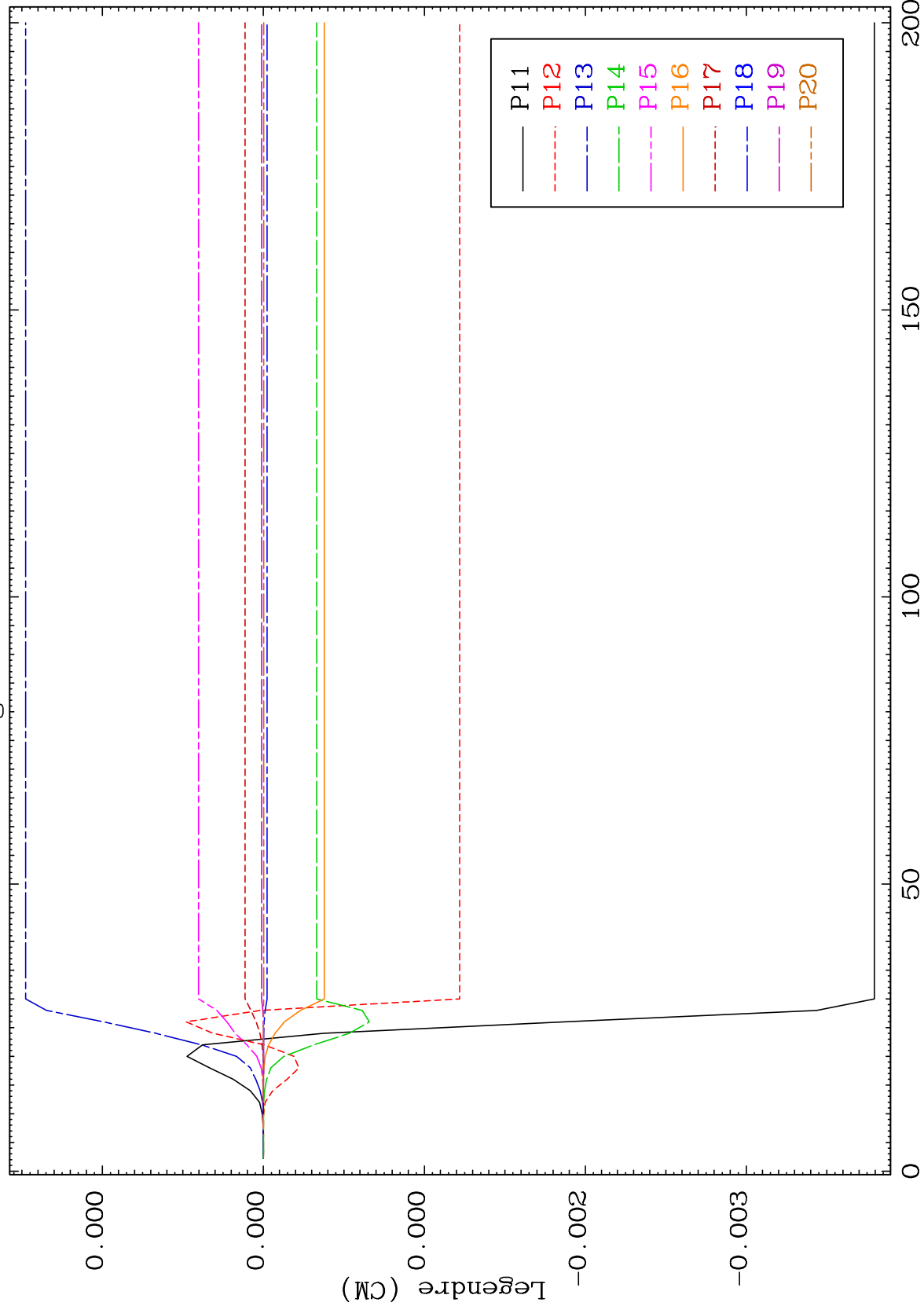
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



82

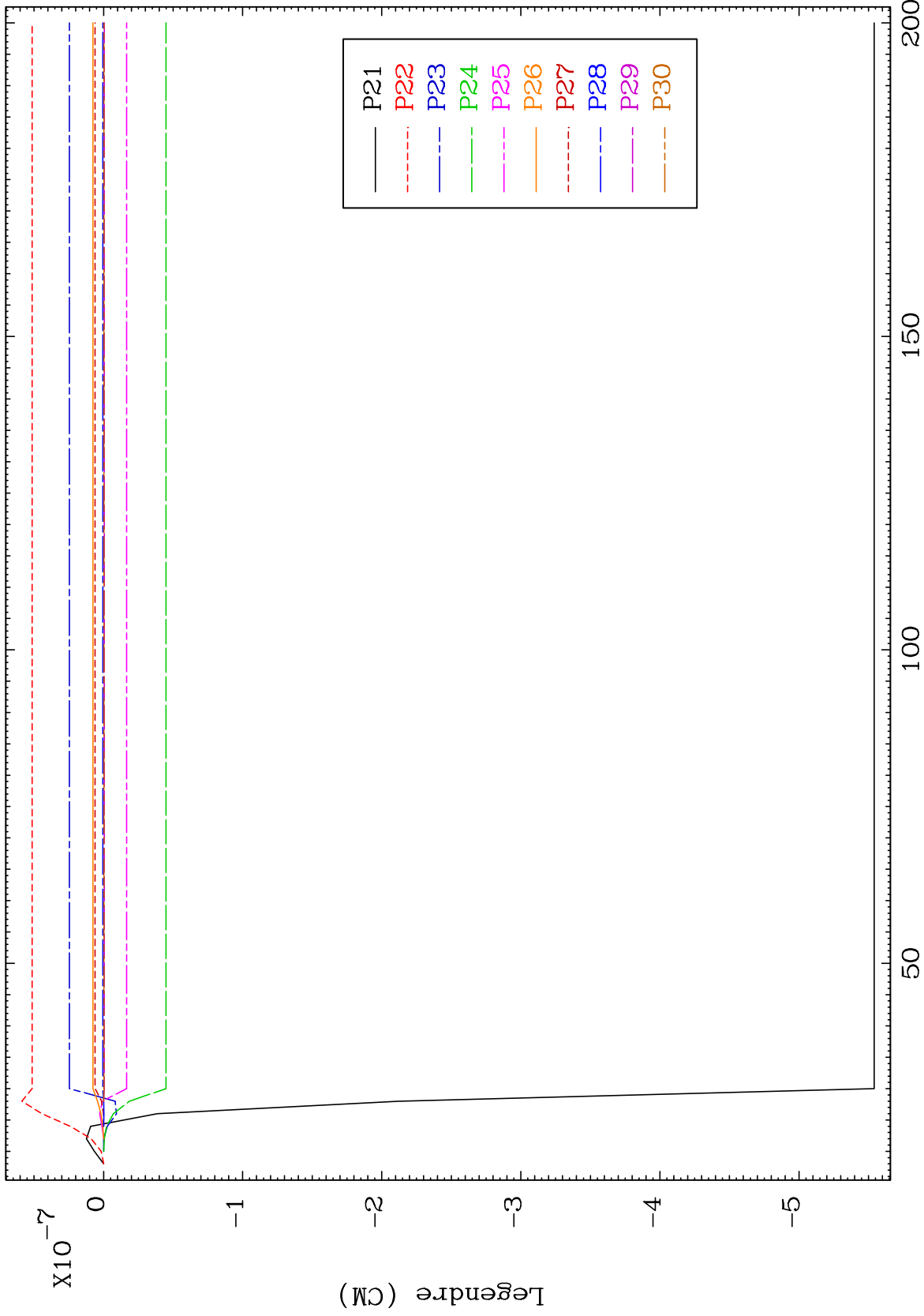
Incident Energy (MeV)

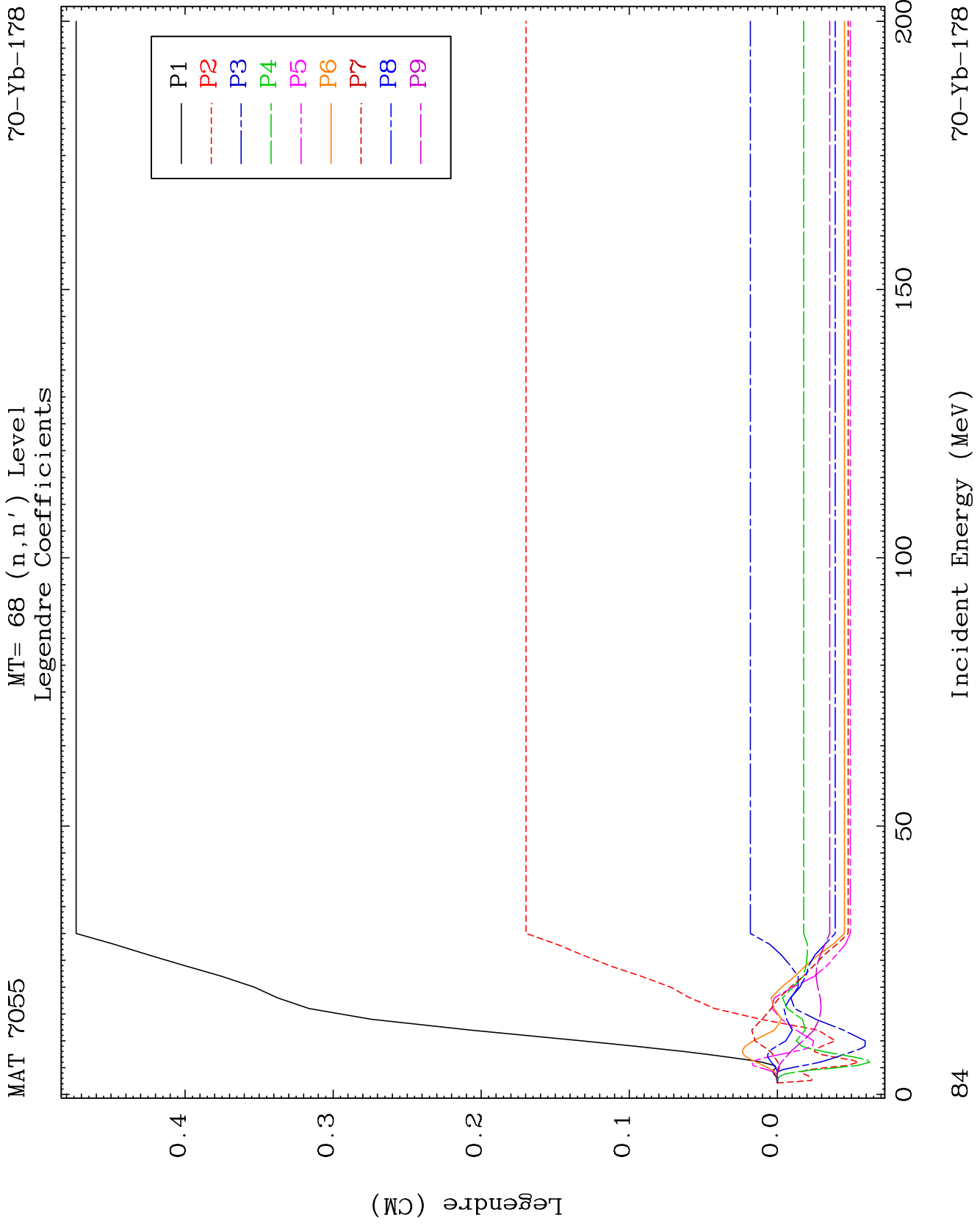
70-Yb-178

MAT 7055

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

70-Yb-178

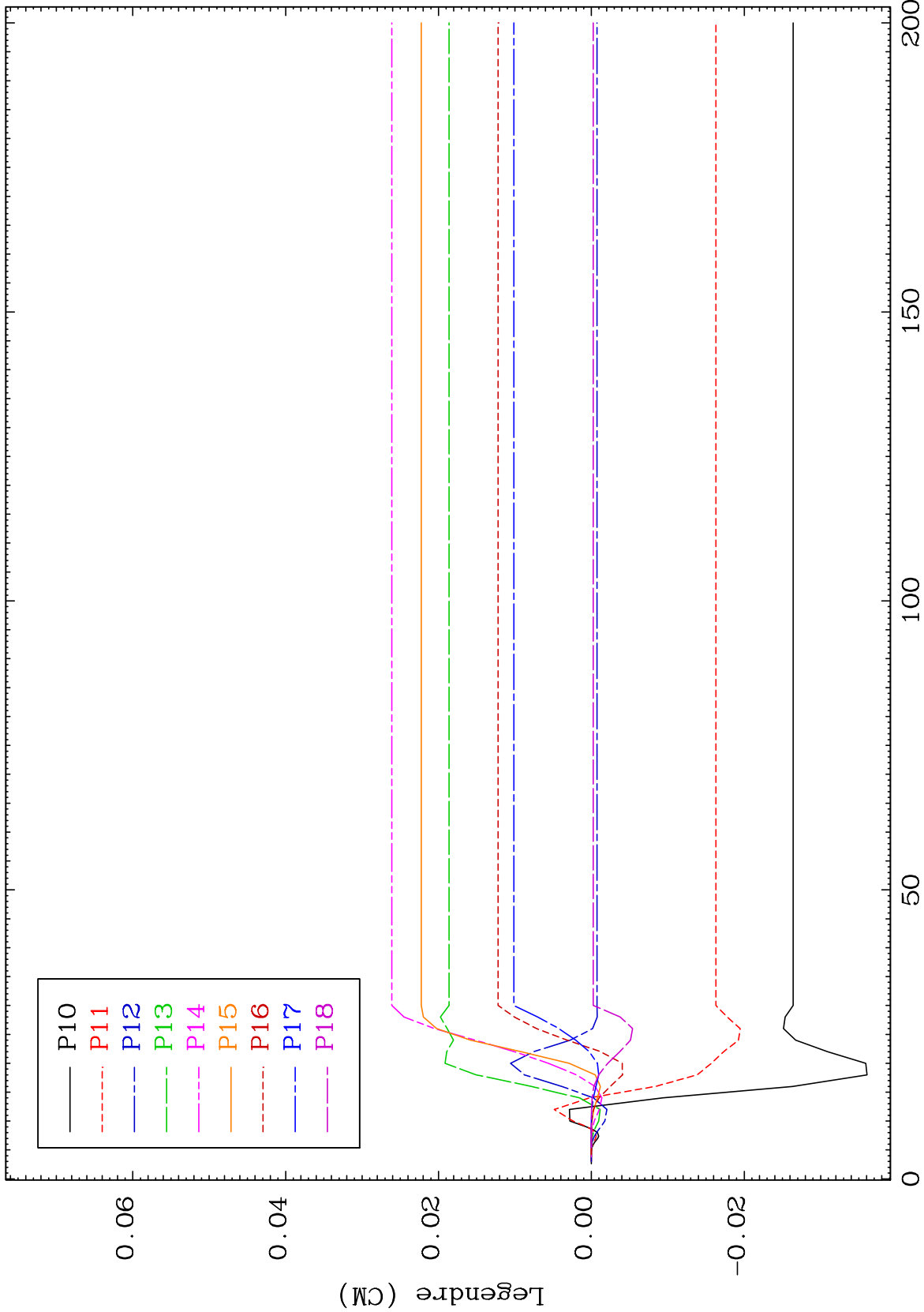




MAT 70555

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

70-Yb-178



85

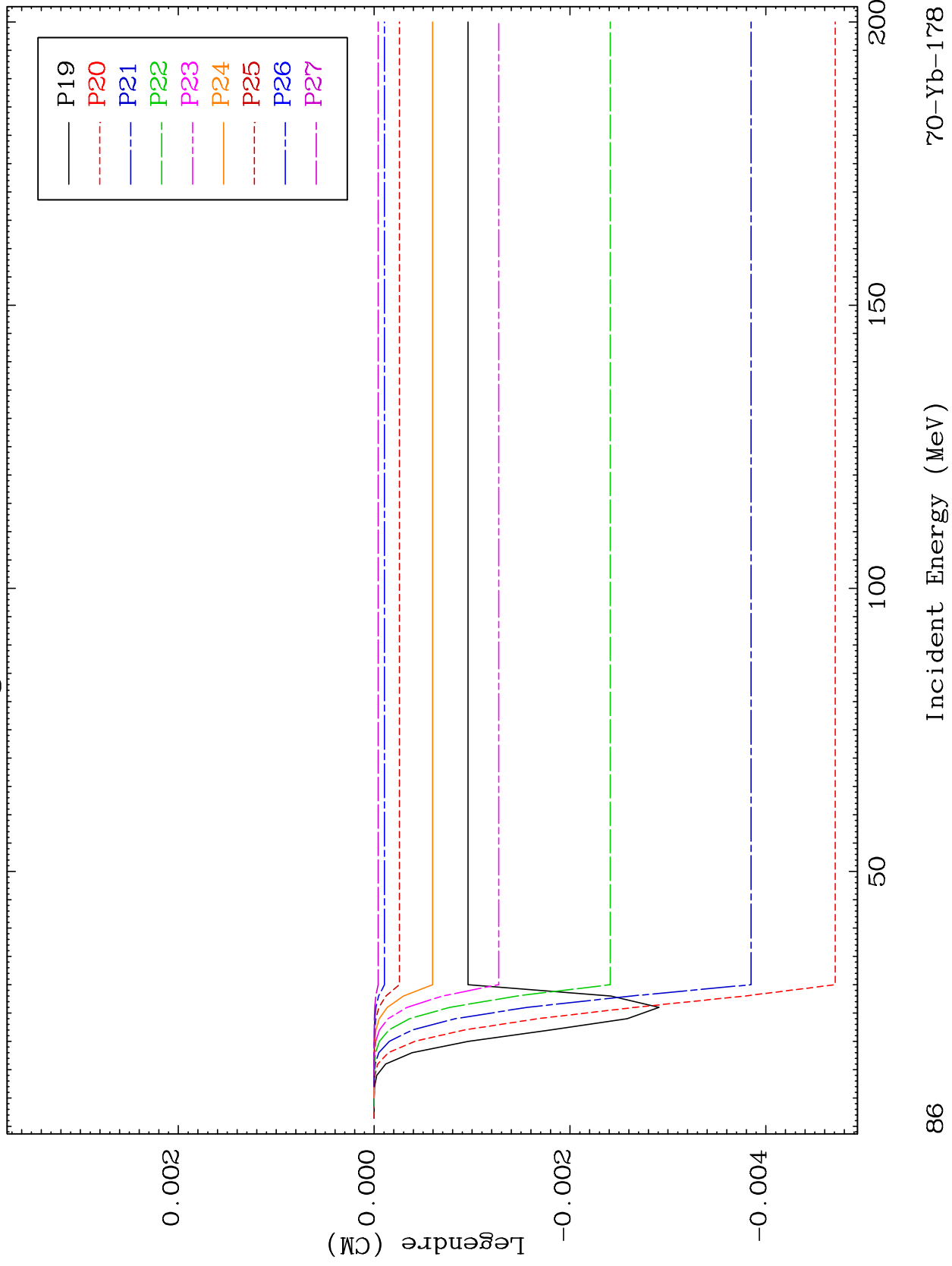
Incident Energy (MeV)

70-Yb-178

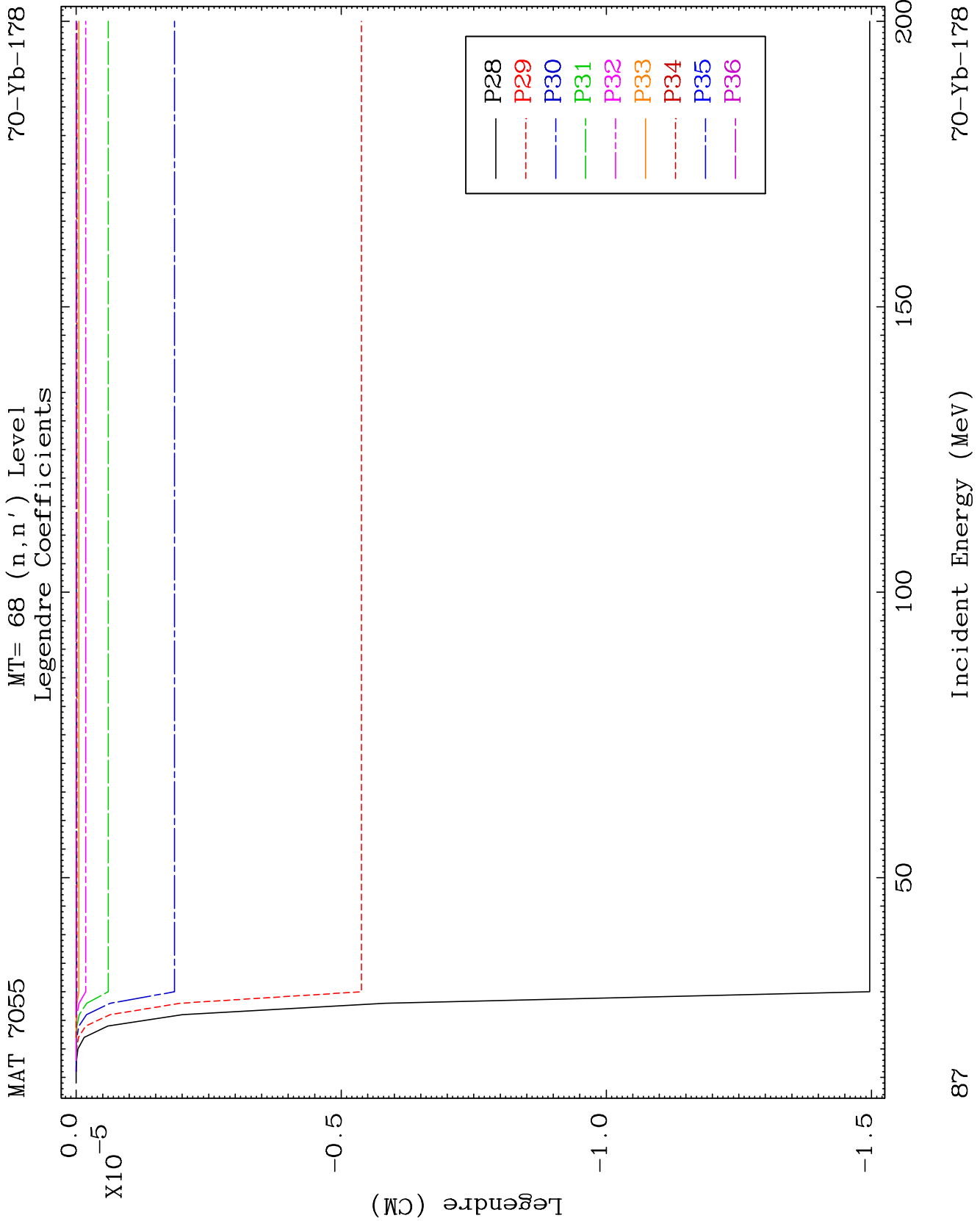
MAT 7055

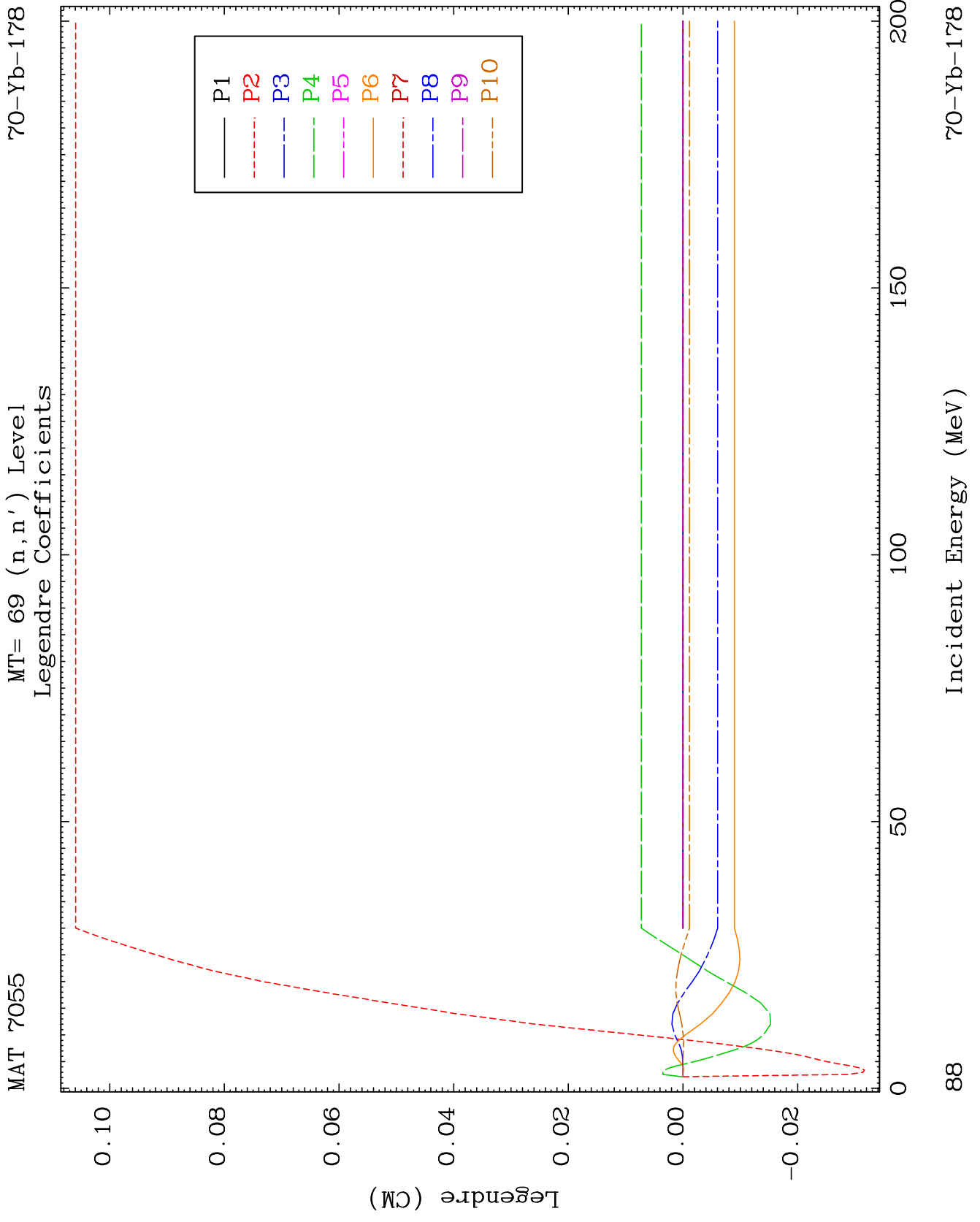
MT= 68 (n,n') Level
Legendre Coefficients

70-Yb-178



86

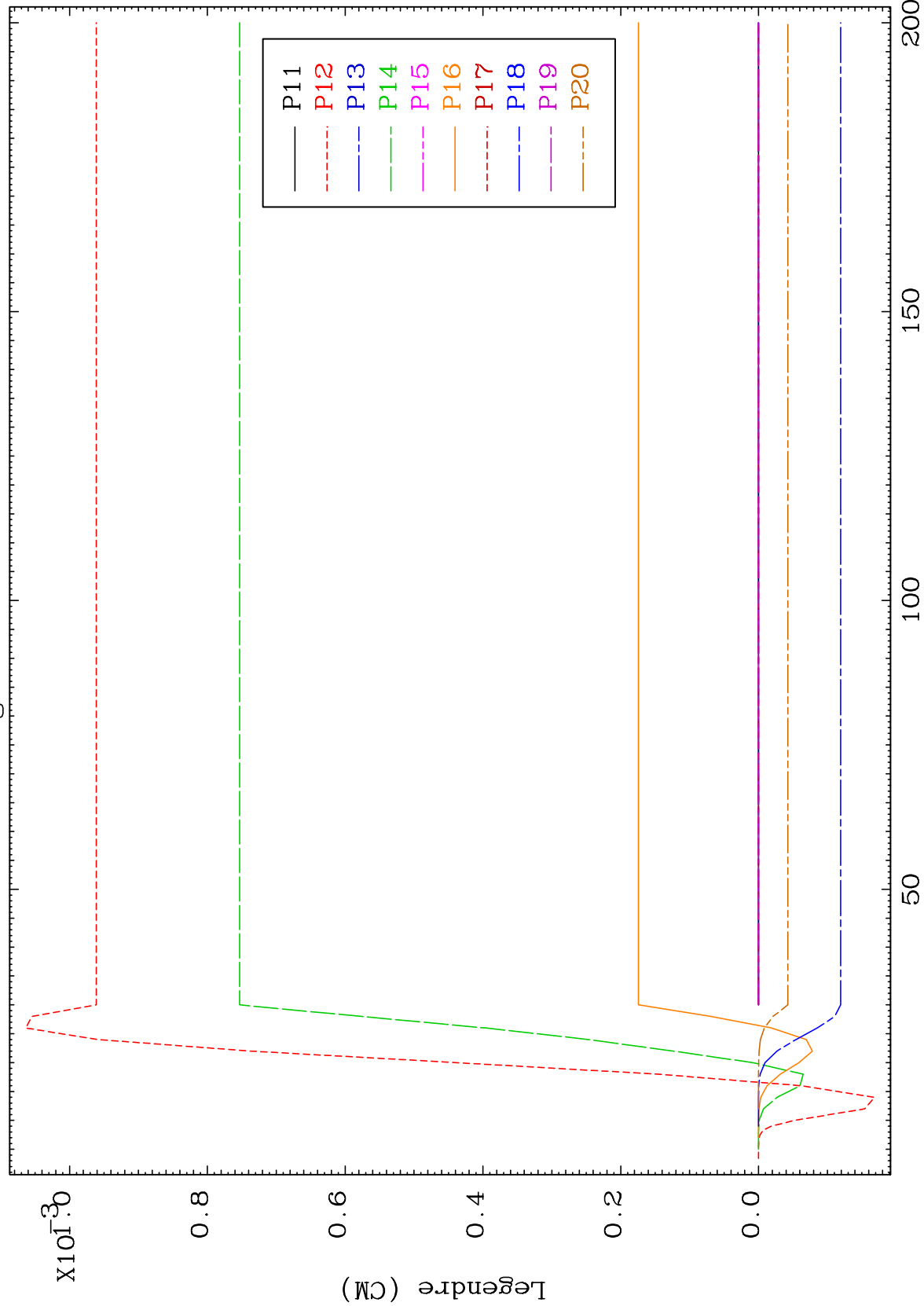


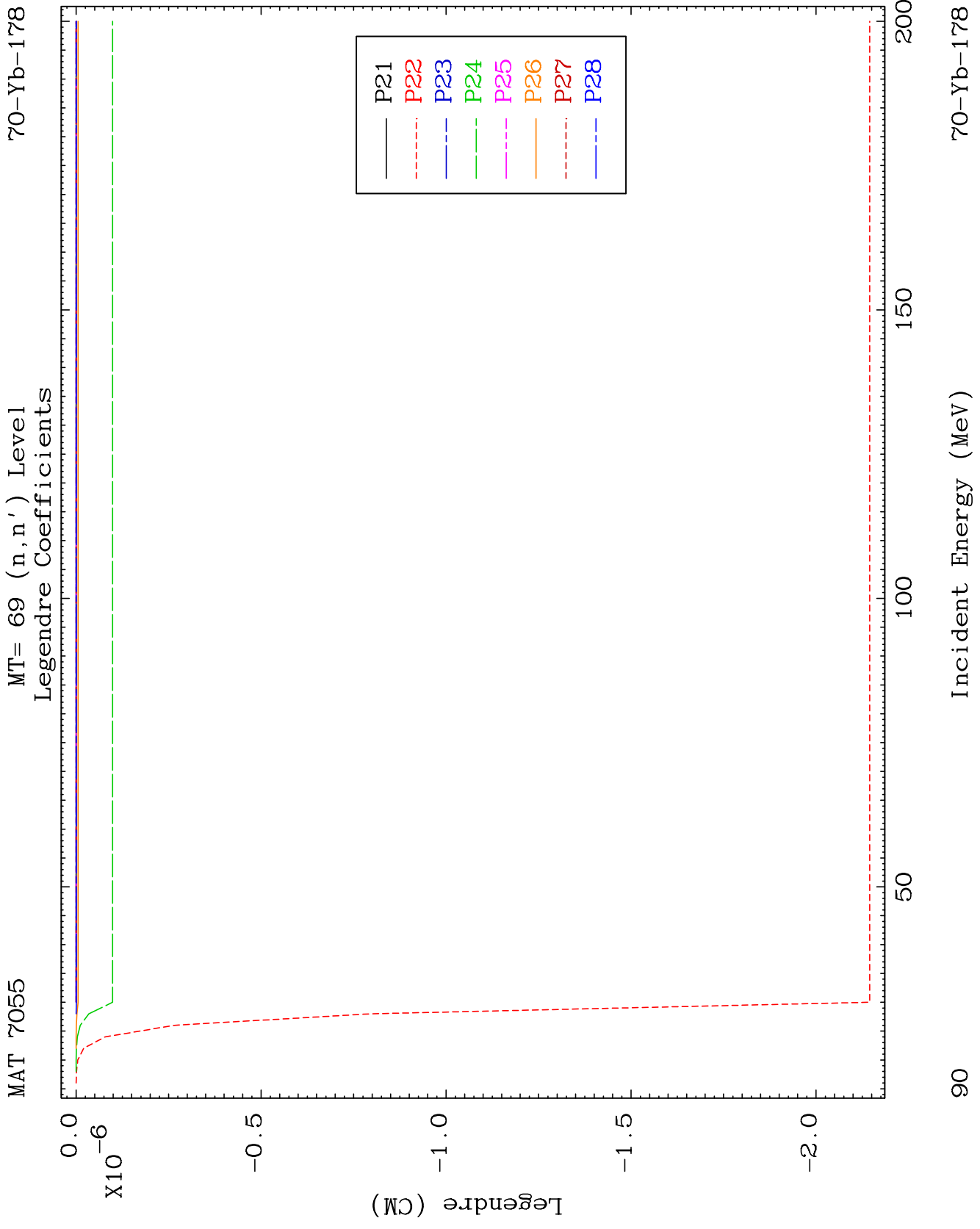


MAT 7055

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

70-Yb-178

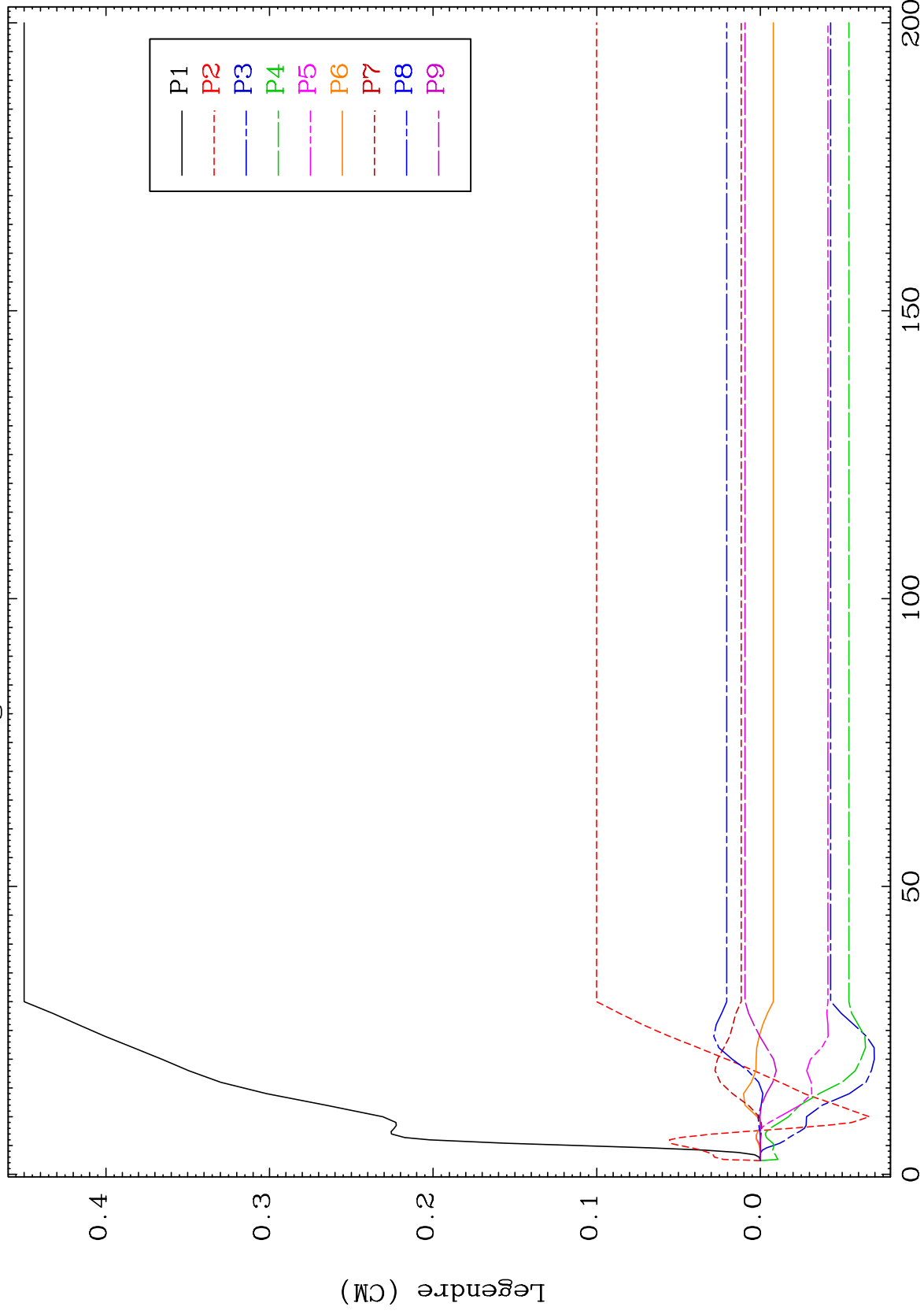




MAT 7055

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

70-Yb-178



91

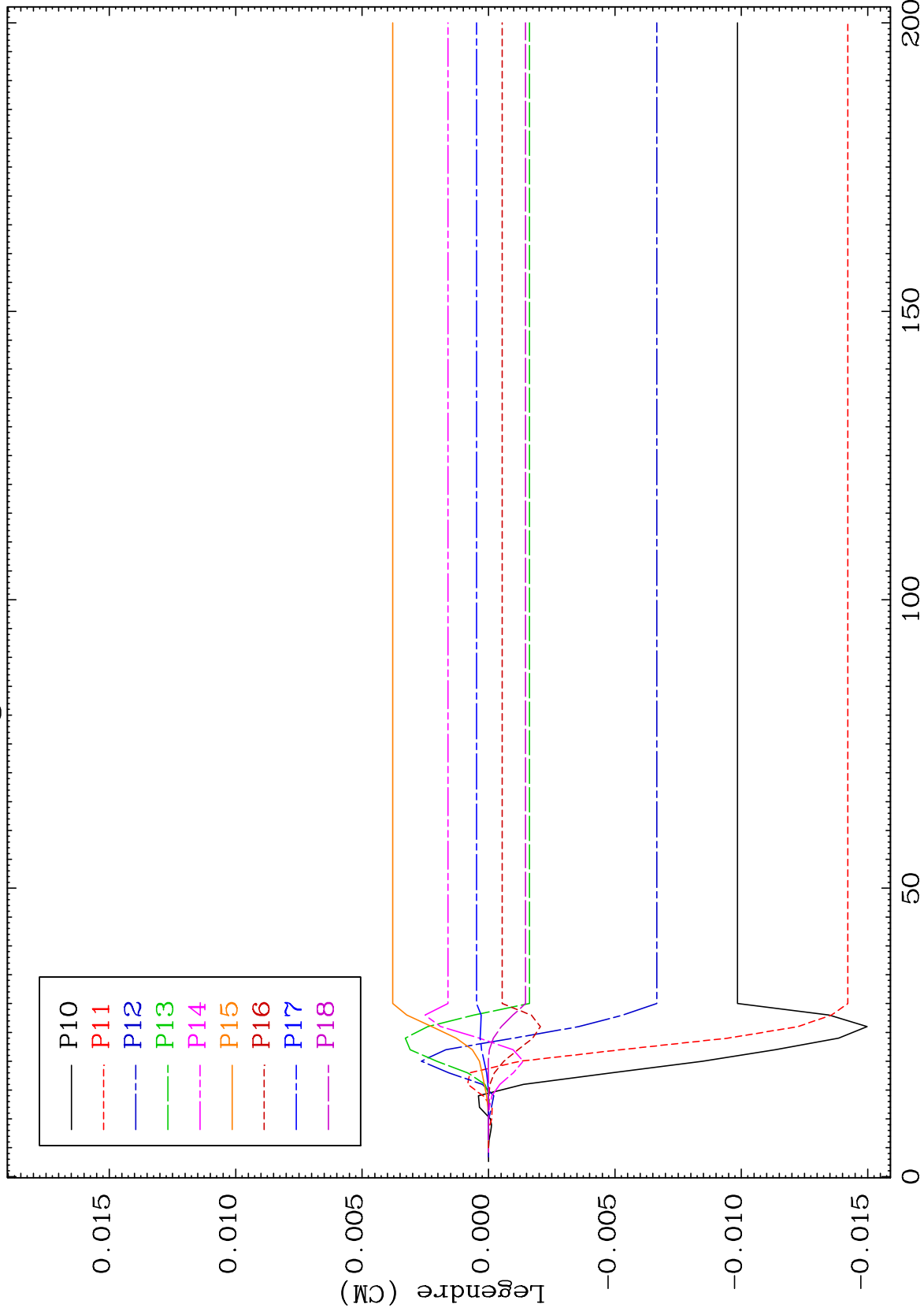
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



92

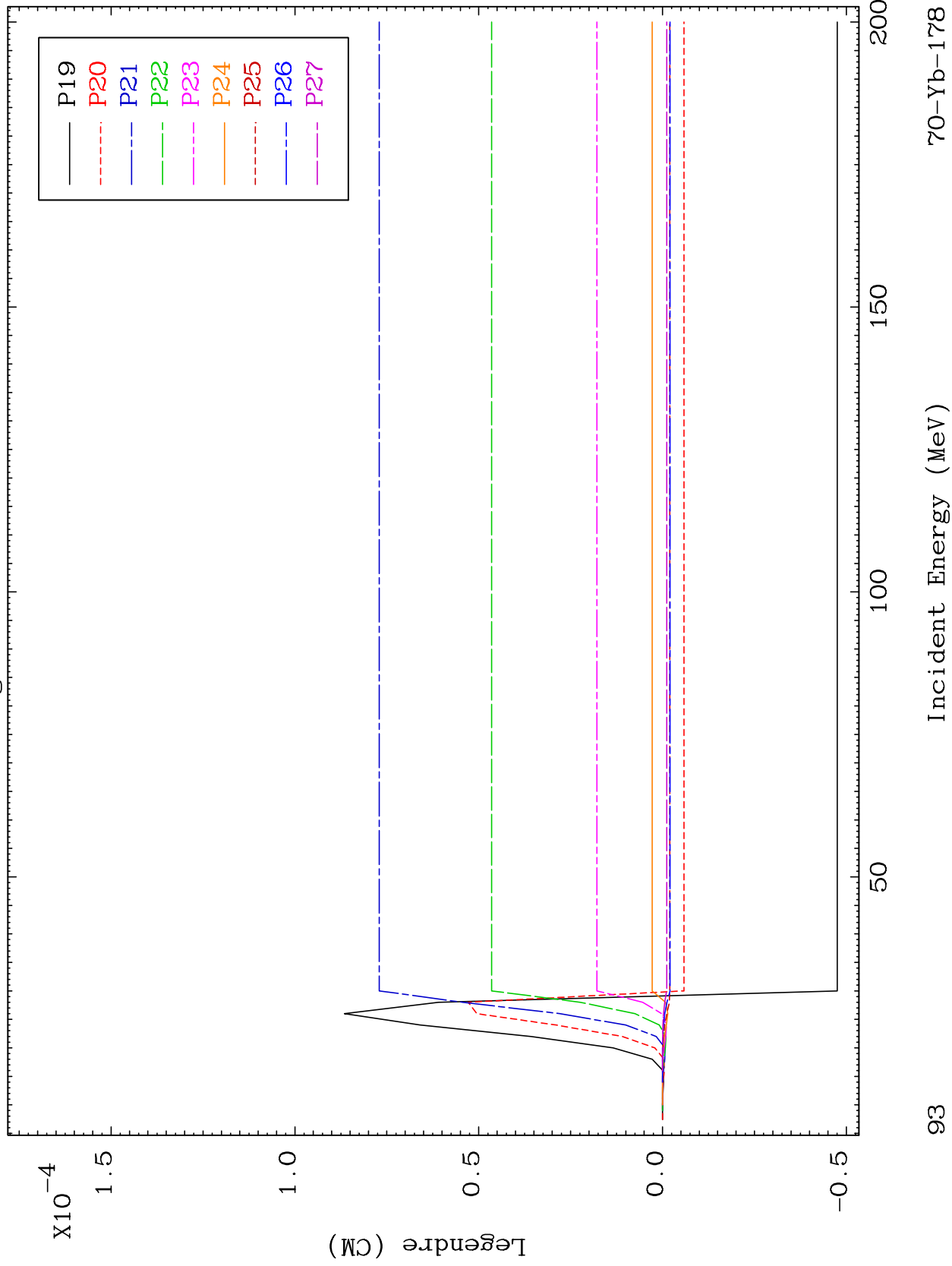
Incident Energy (MeV)

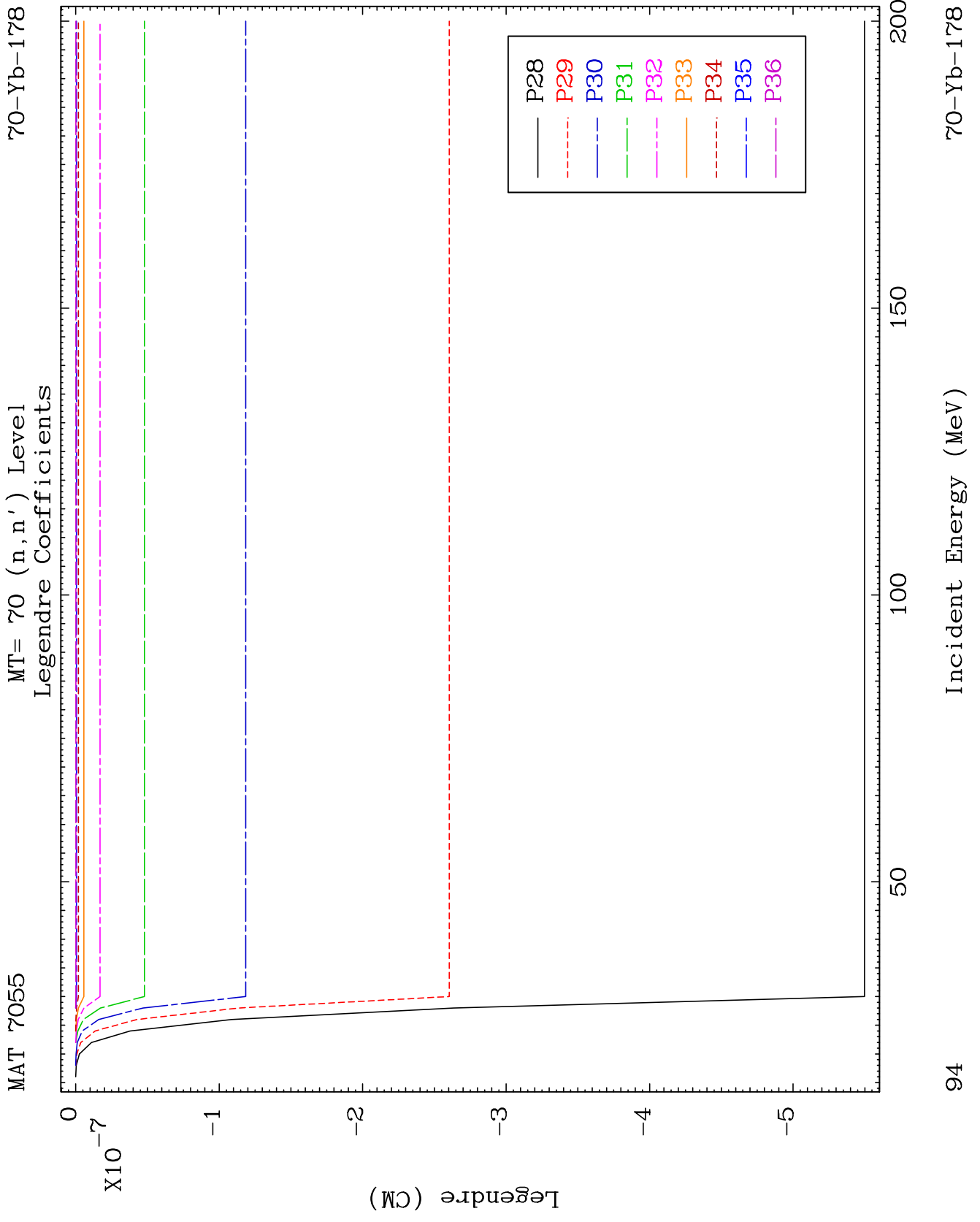
70-Yb-178

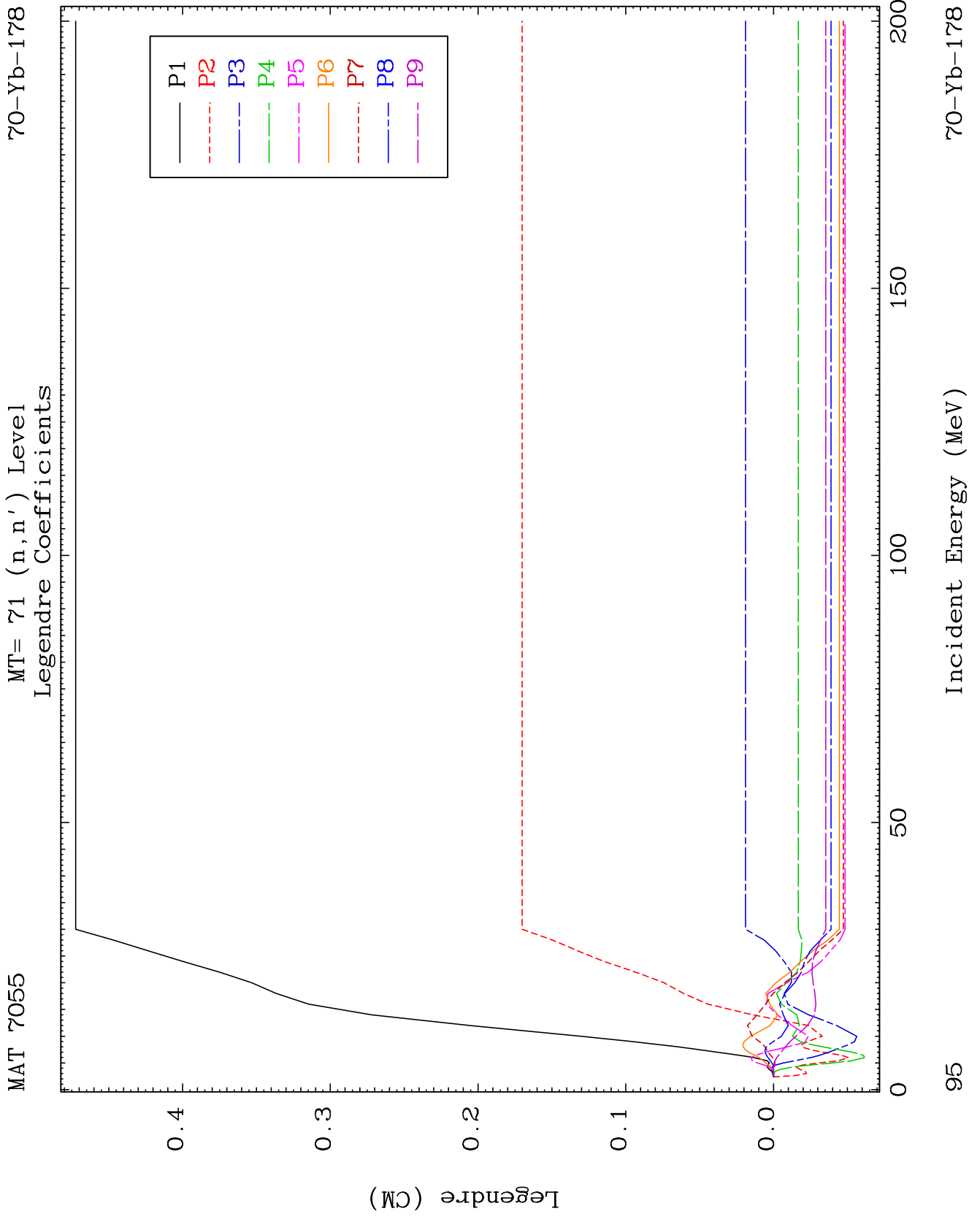
MAT 7055

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

70-Yb-178



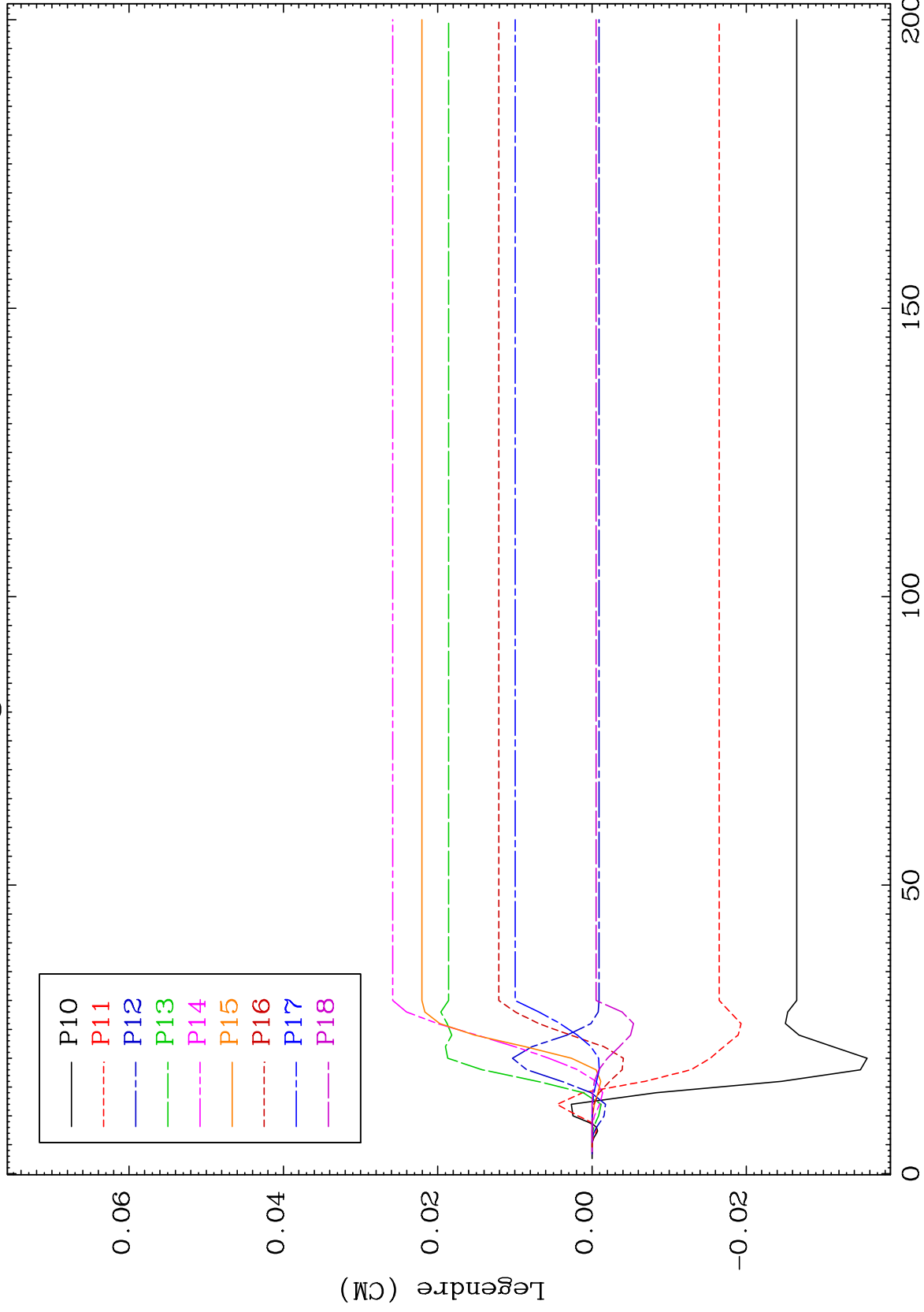




MAT 7055

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

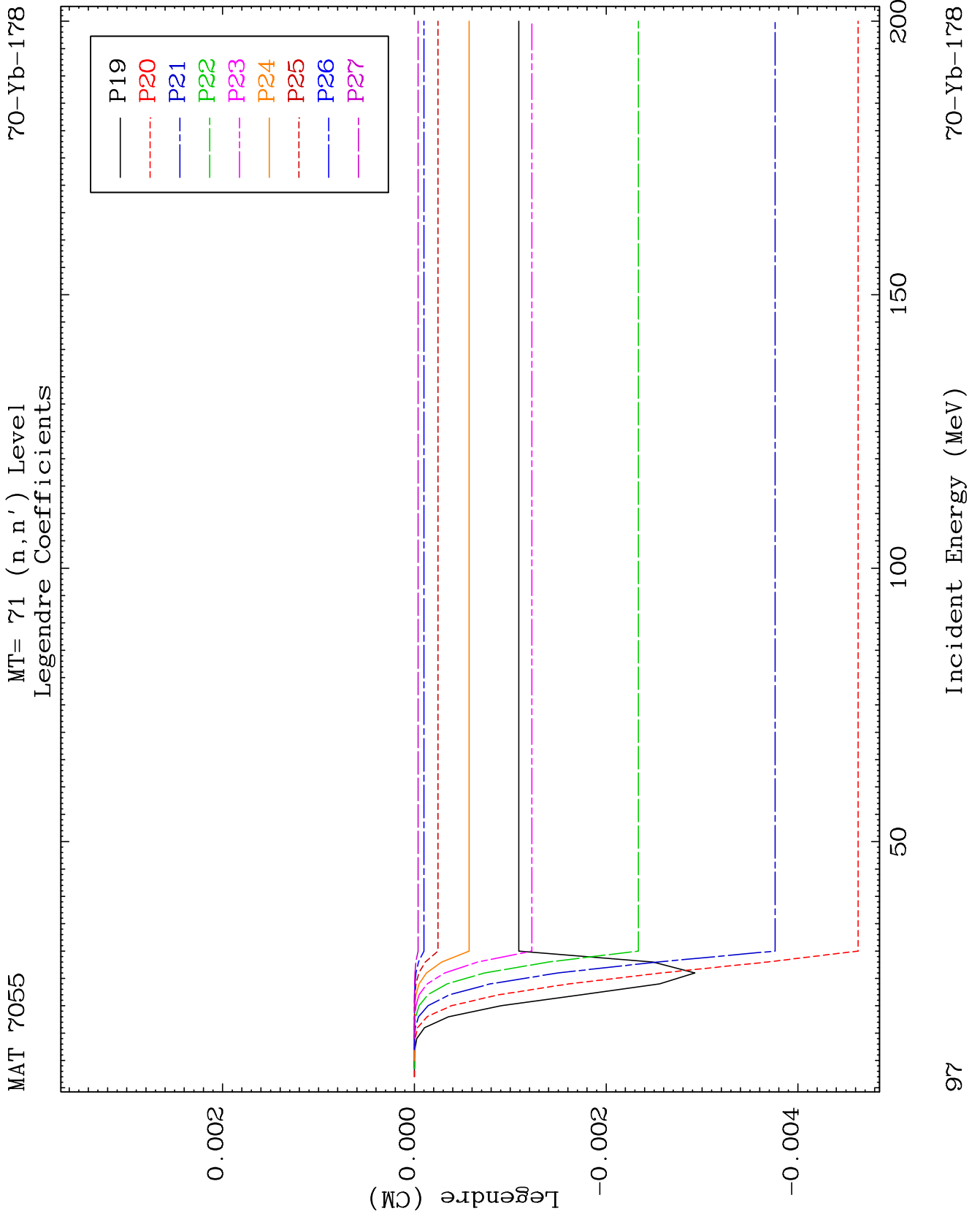
70-Yb-178

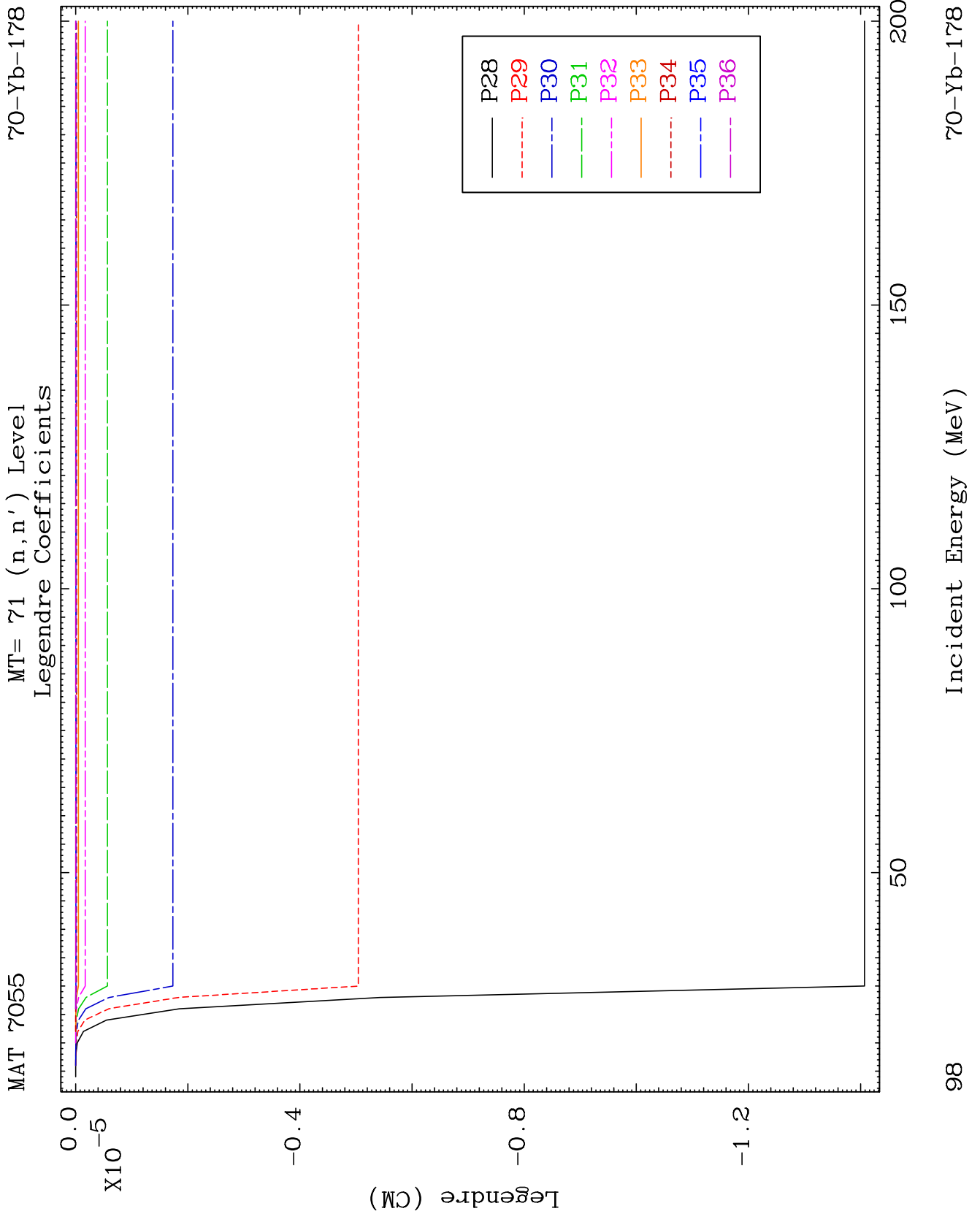


96

Incident Energy (MeV)

70-Yb-178

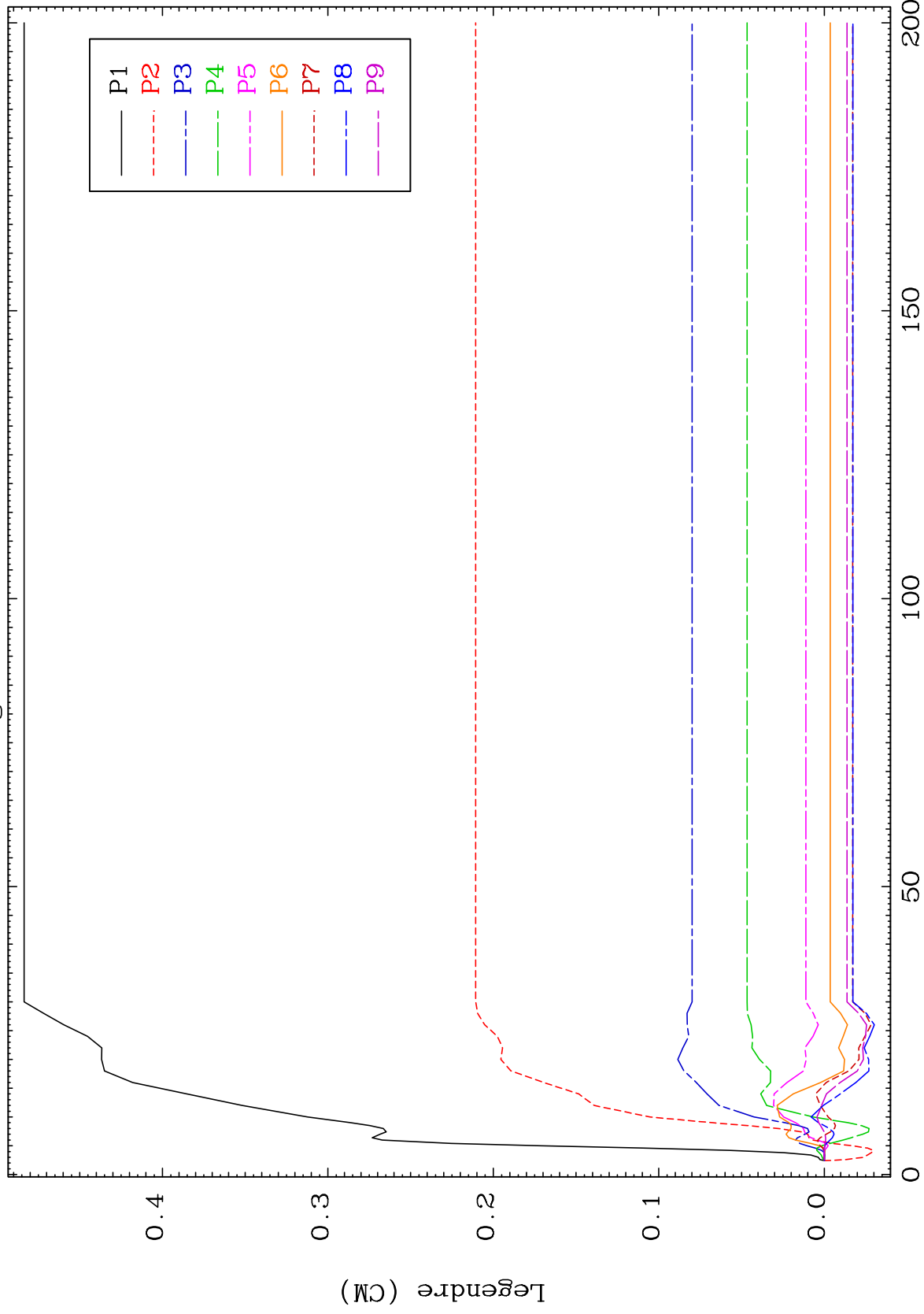




MAT 7055

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

70-Yb-178



99

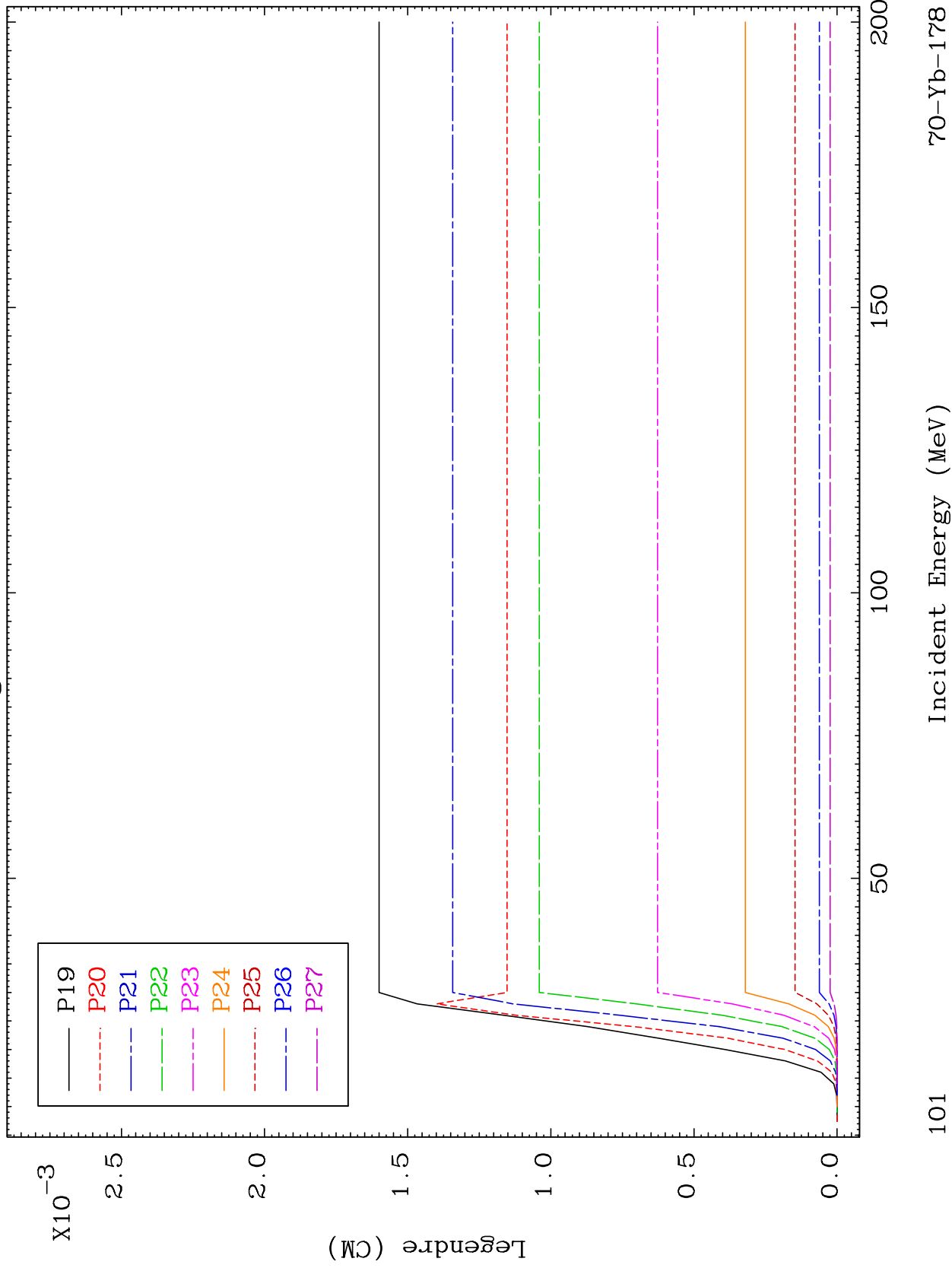
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

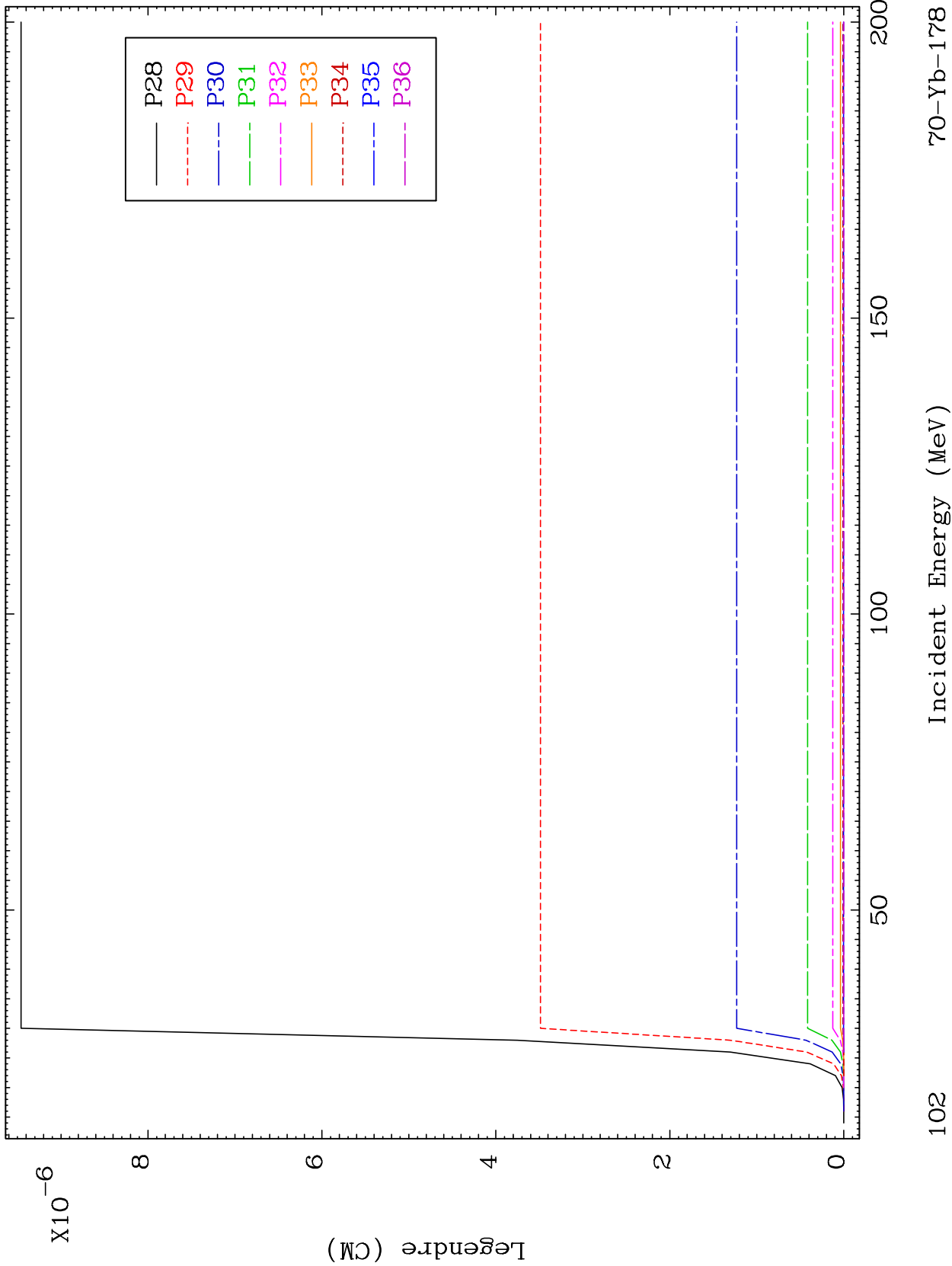
70-Yb-178



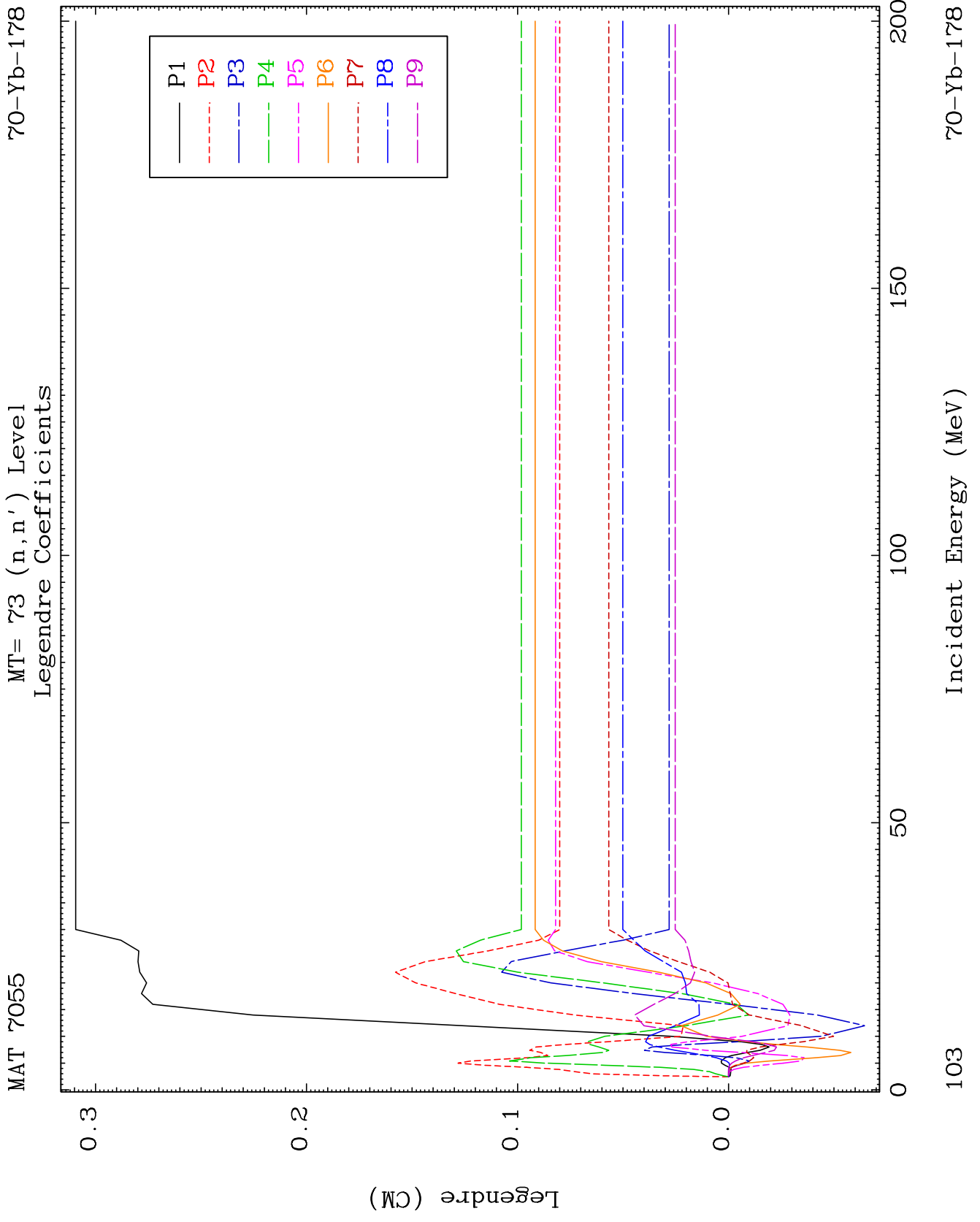
MAT 7055

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

70-Yb-178



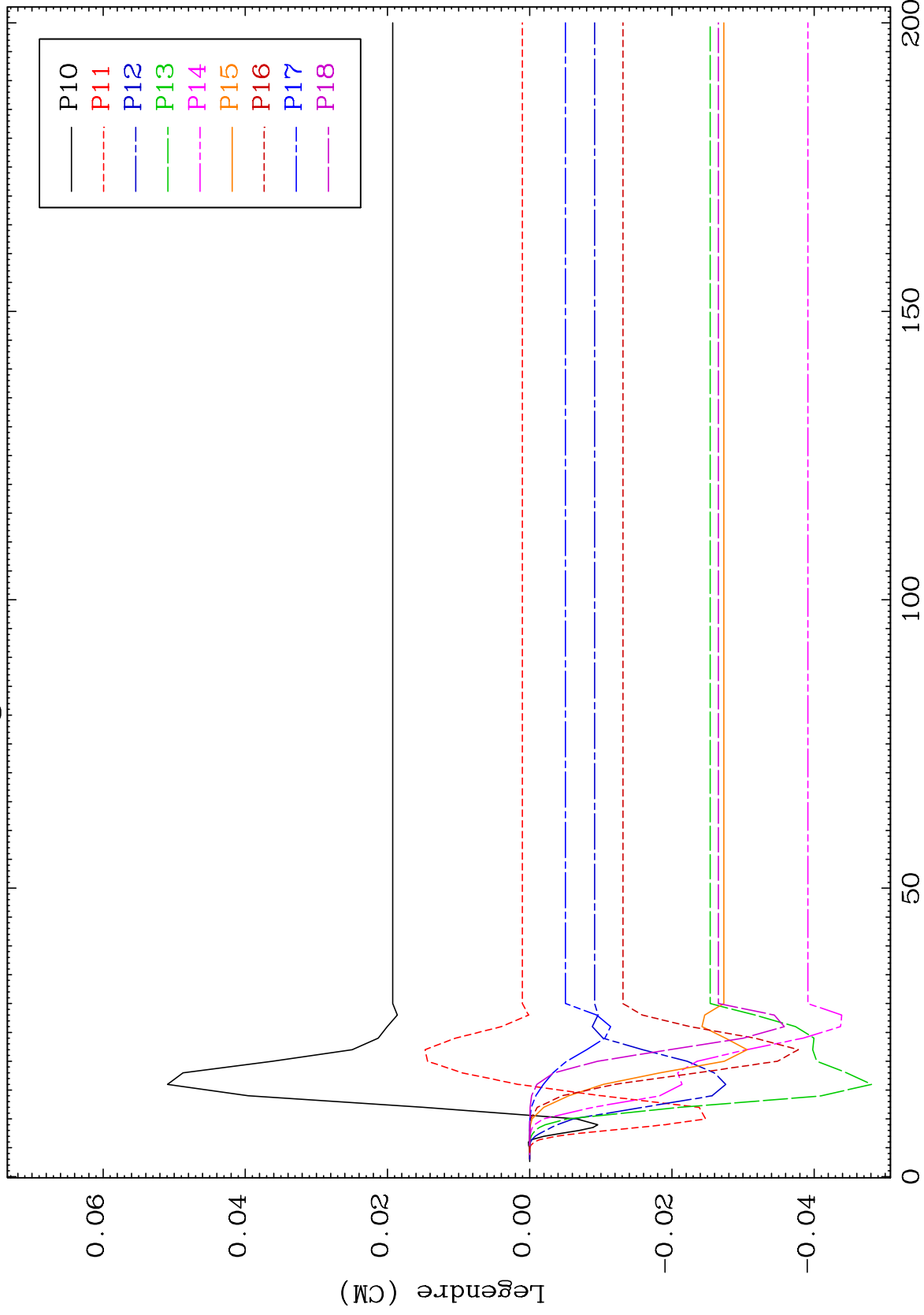
102



MAT 7055

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

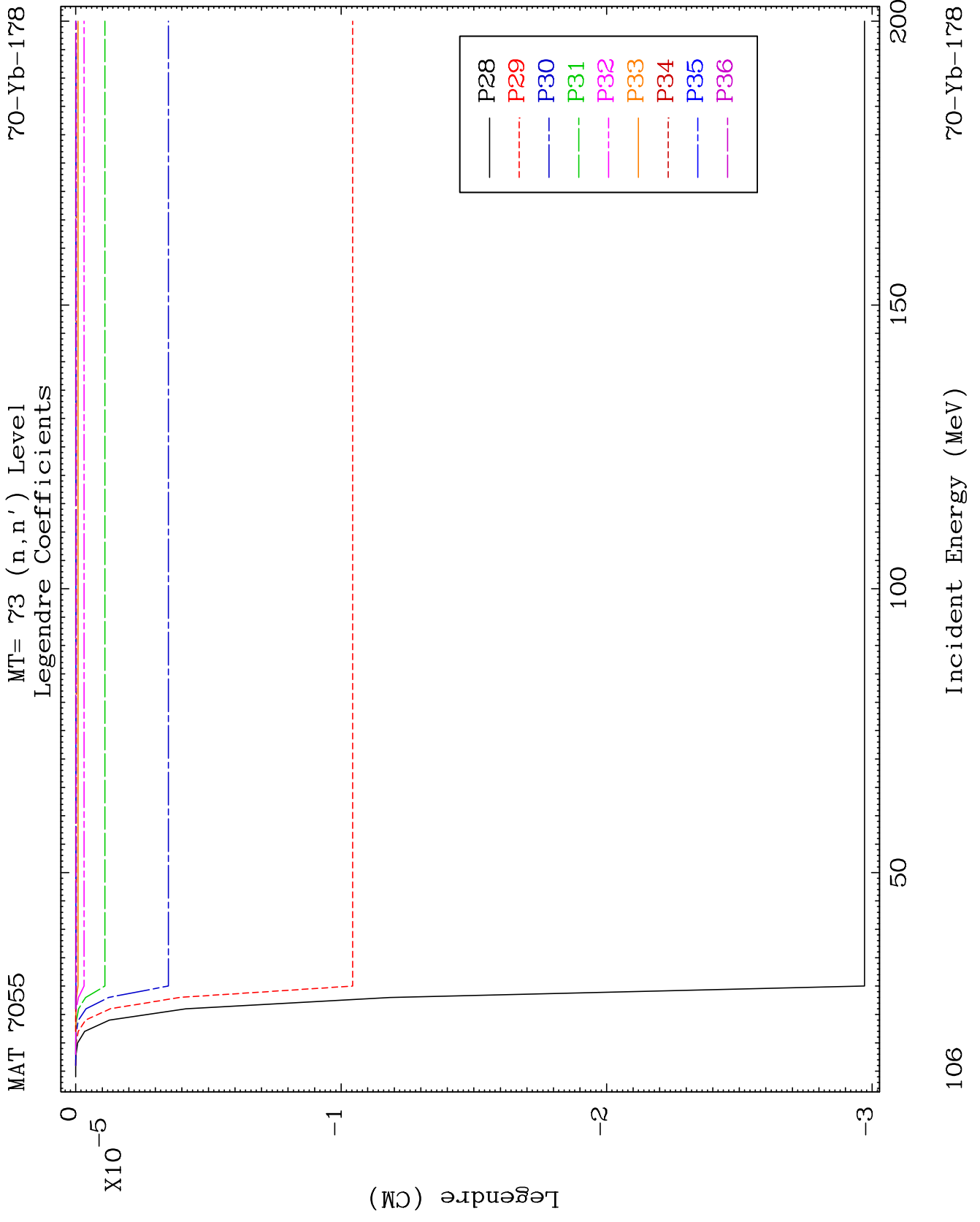
70-Yb-178



104

Incident Energy (MeV)

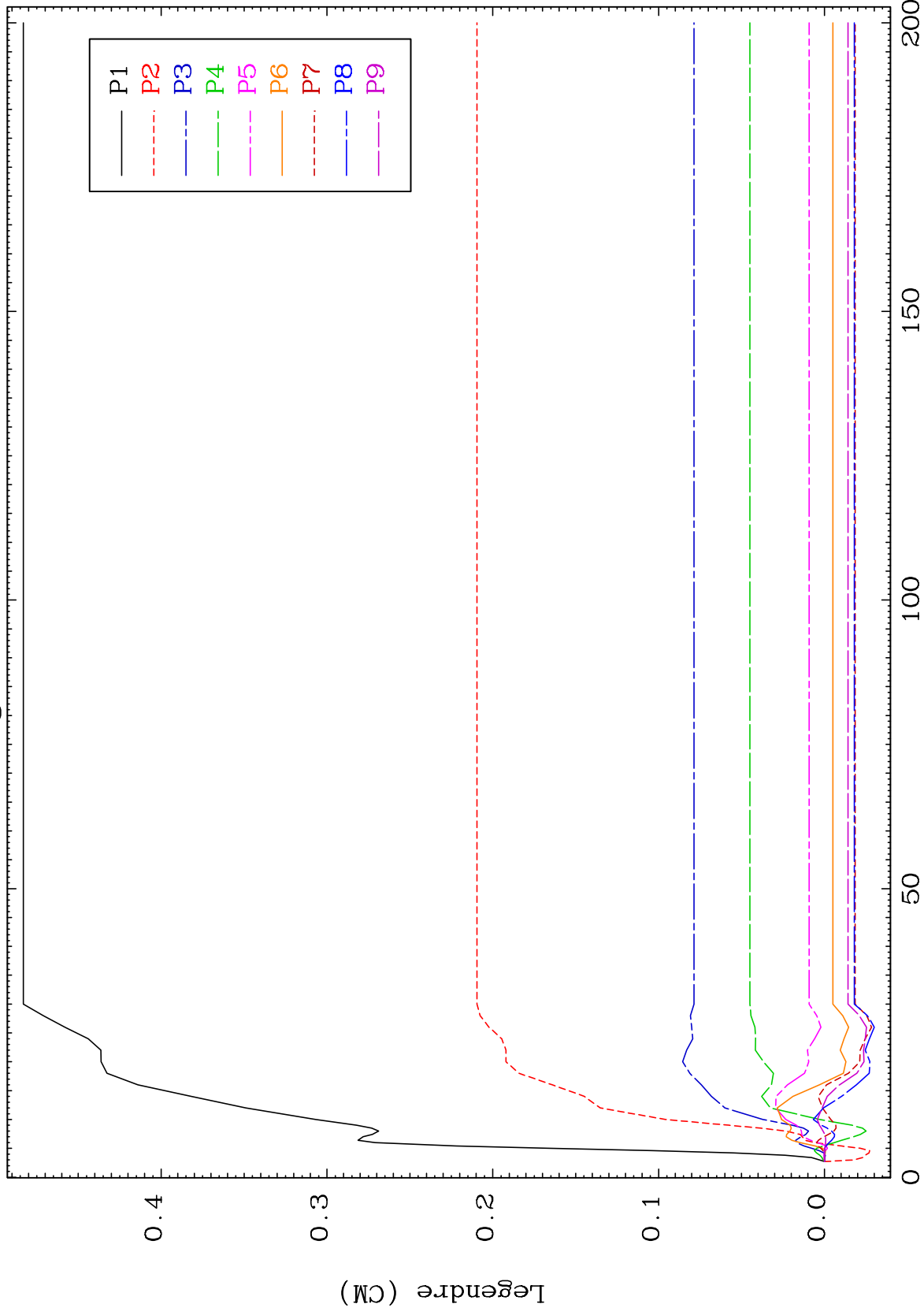
70-Yb-178



MAT 7055

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

70-Yb-178



107

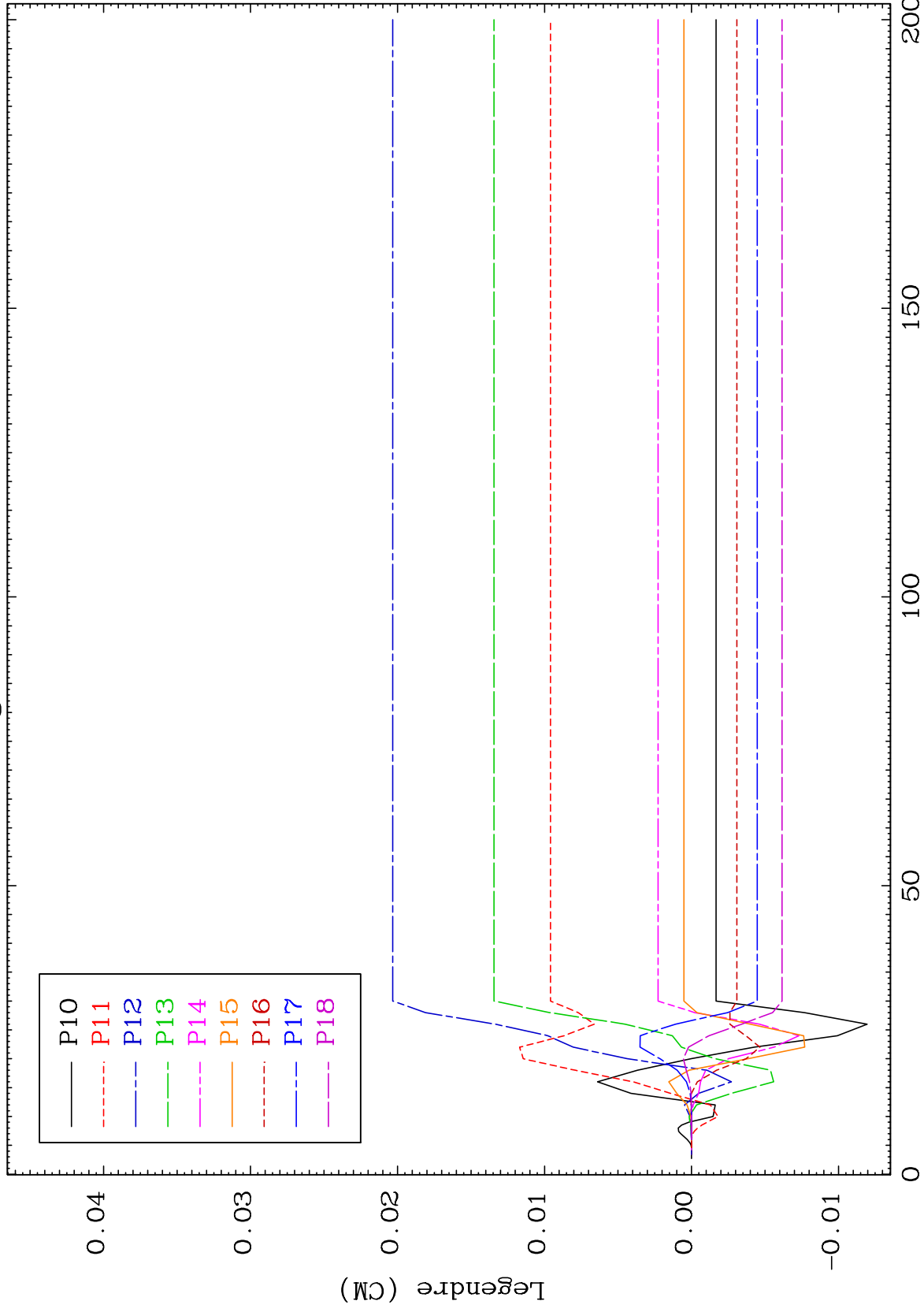
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



108

Incident Energy (MeV)

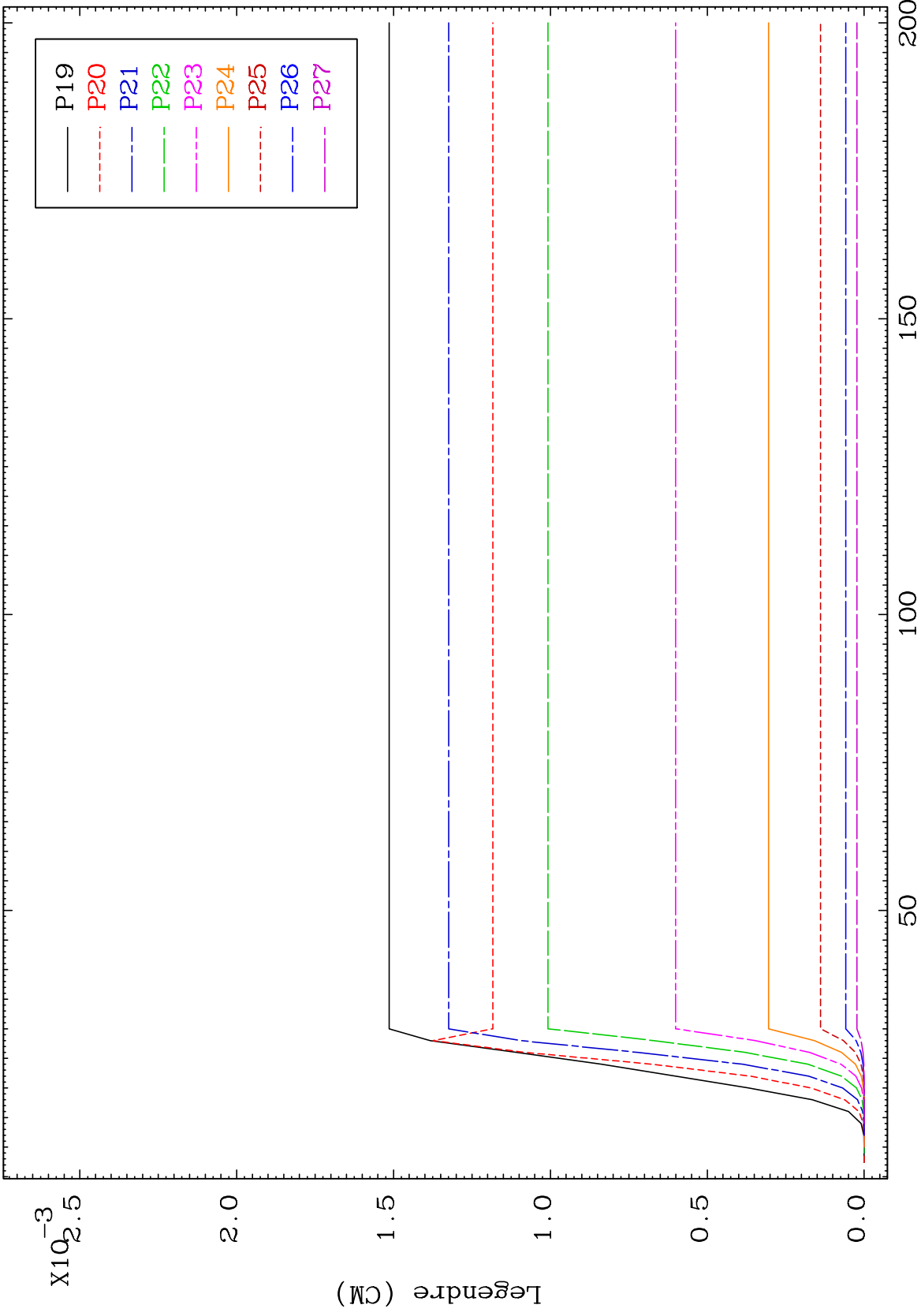
70-Yb-178

MAT 7055

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

70-Yb-178

$\times 10^{-3}$



109

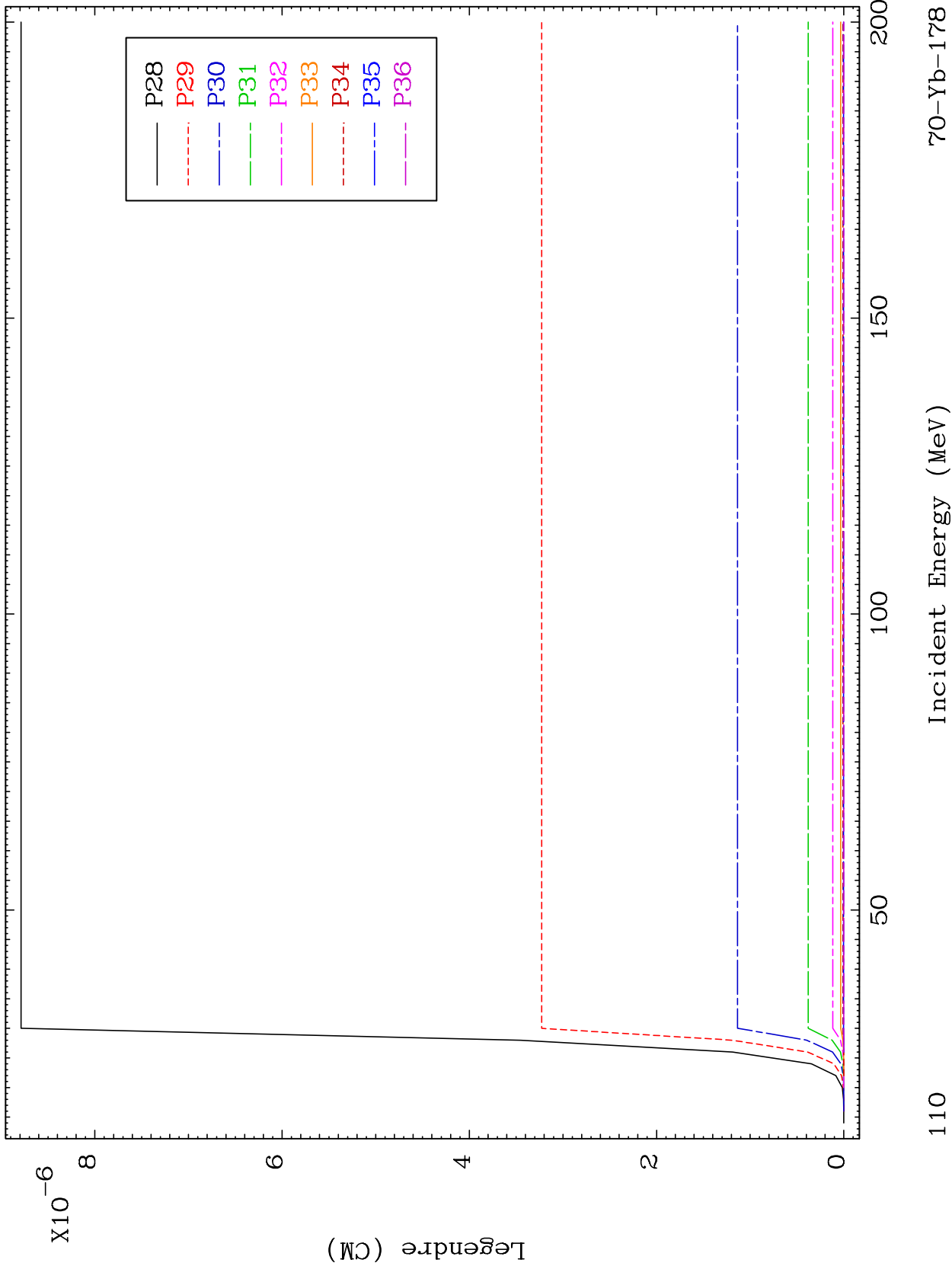
Incident Energy (MeV)

70-Yb-178

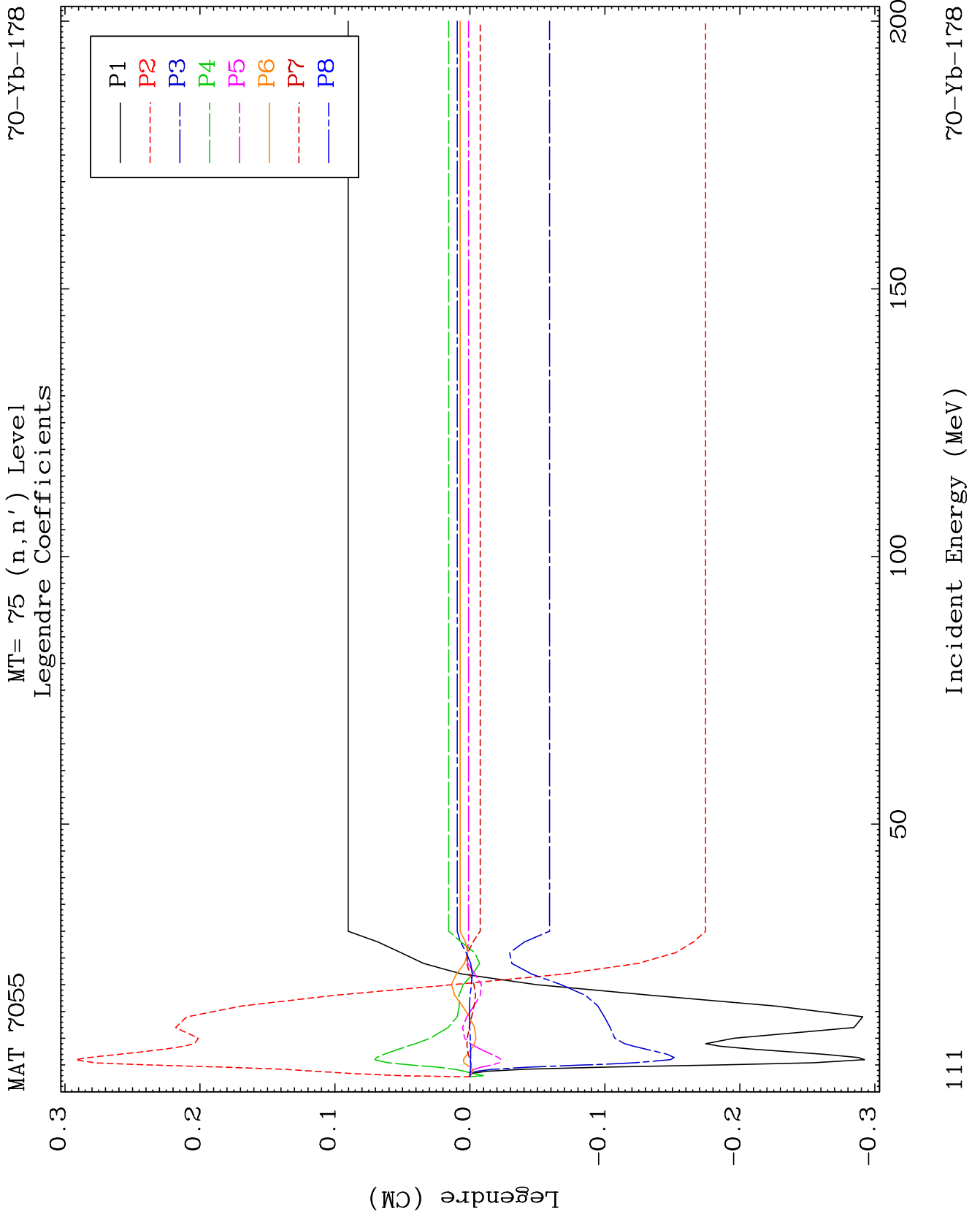
MAT 7055

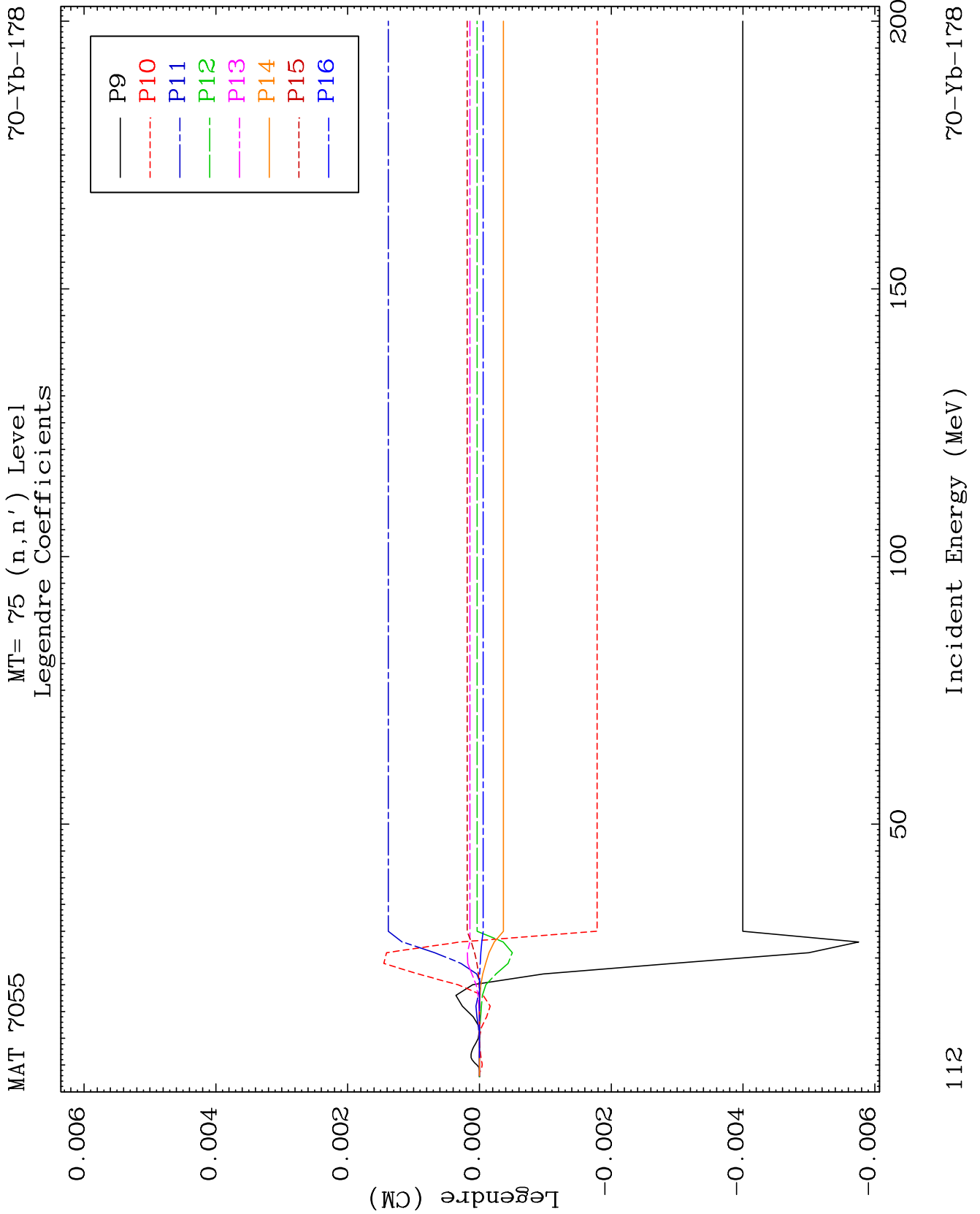
MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-178



70-Yb-178

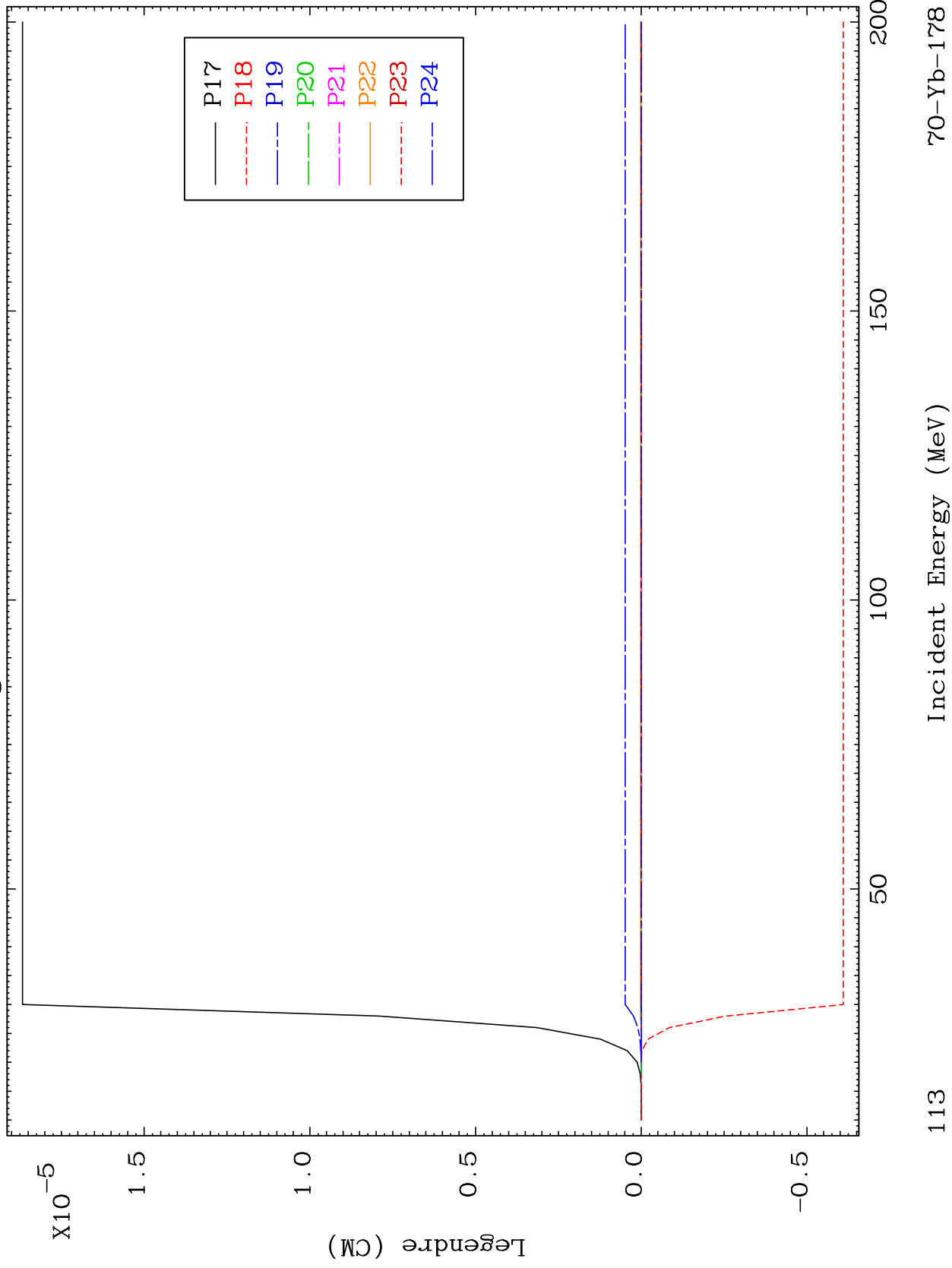




MAT 7055

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

70-Yb-178



113

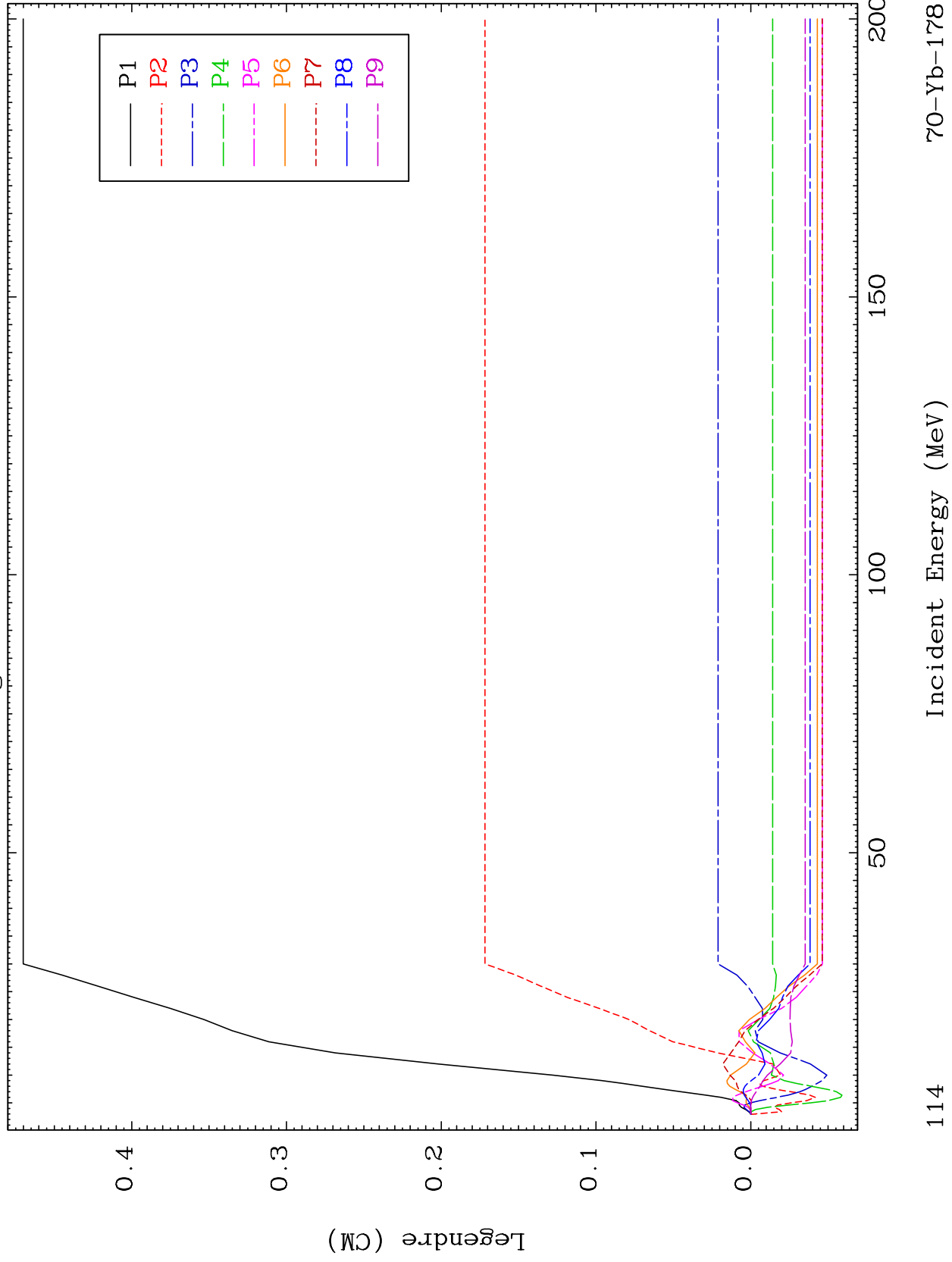
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



114

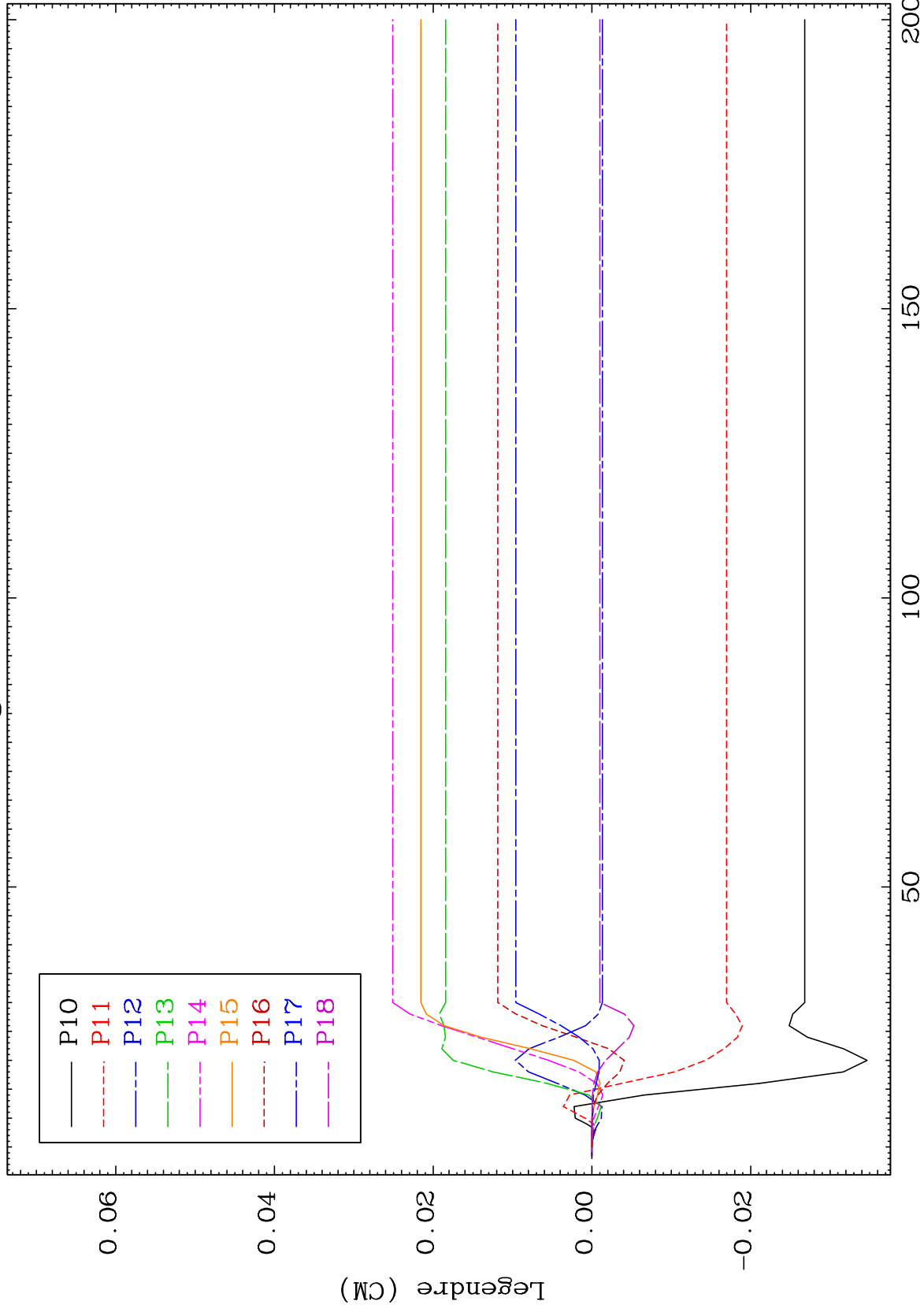
Incident Energy (MeV)

70-Yb-178

MAT 70555

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

70-Yb-178



115

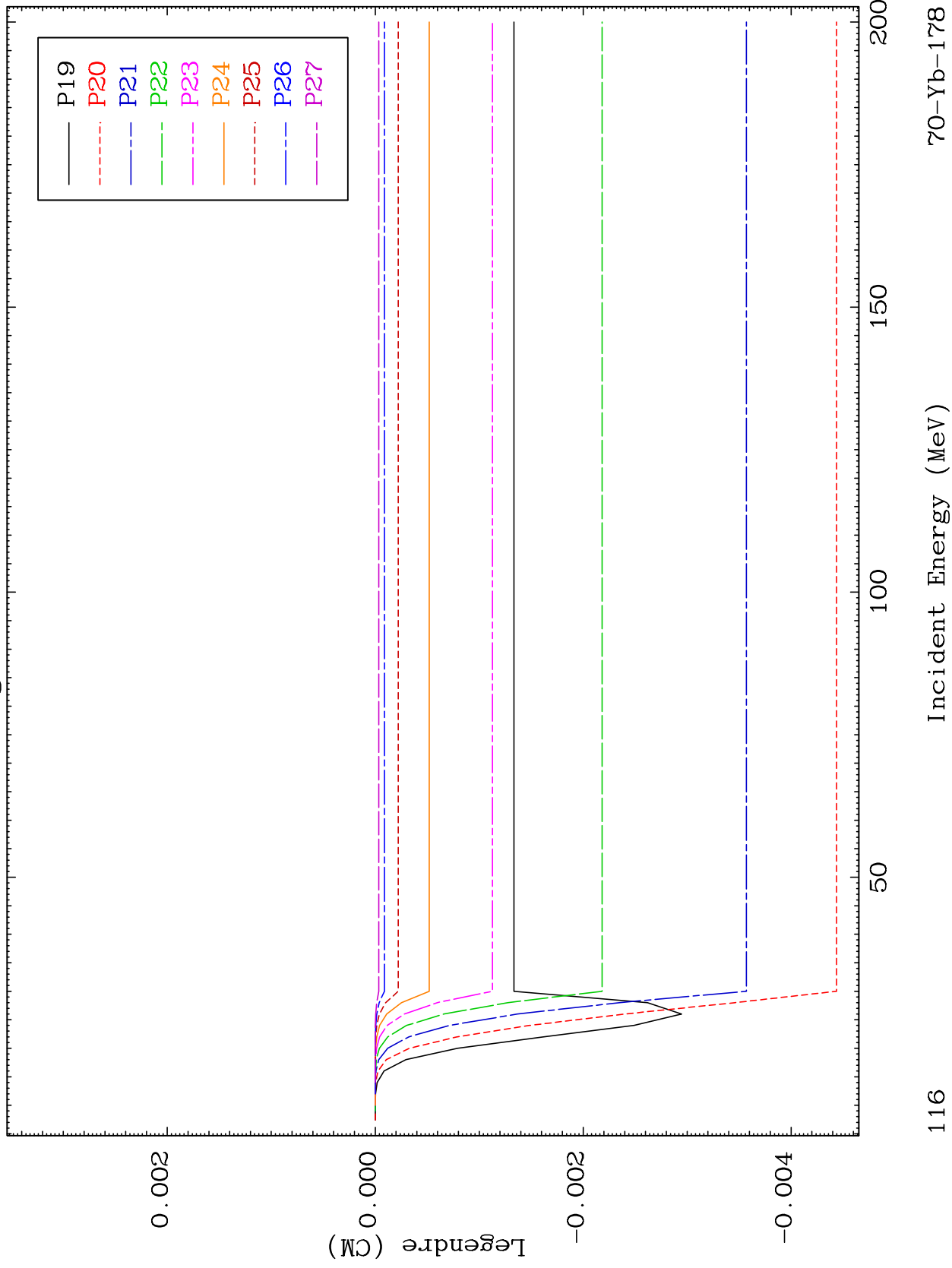
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

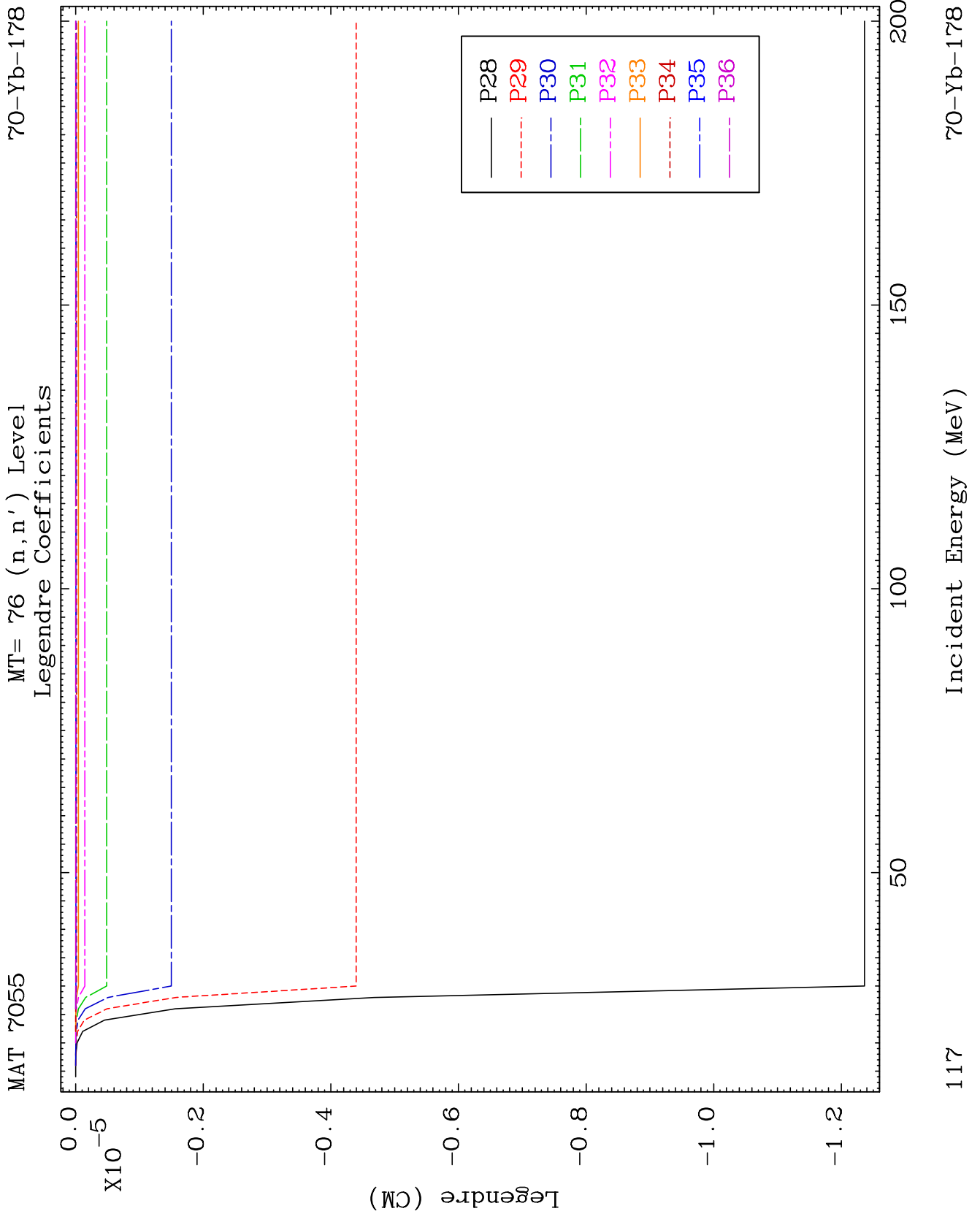
70-Yb-178



116

Incident Energy (MeV)

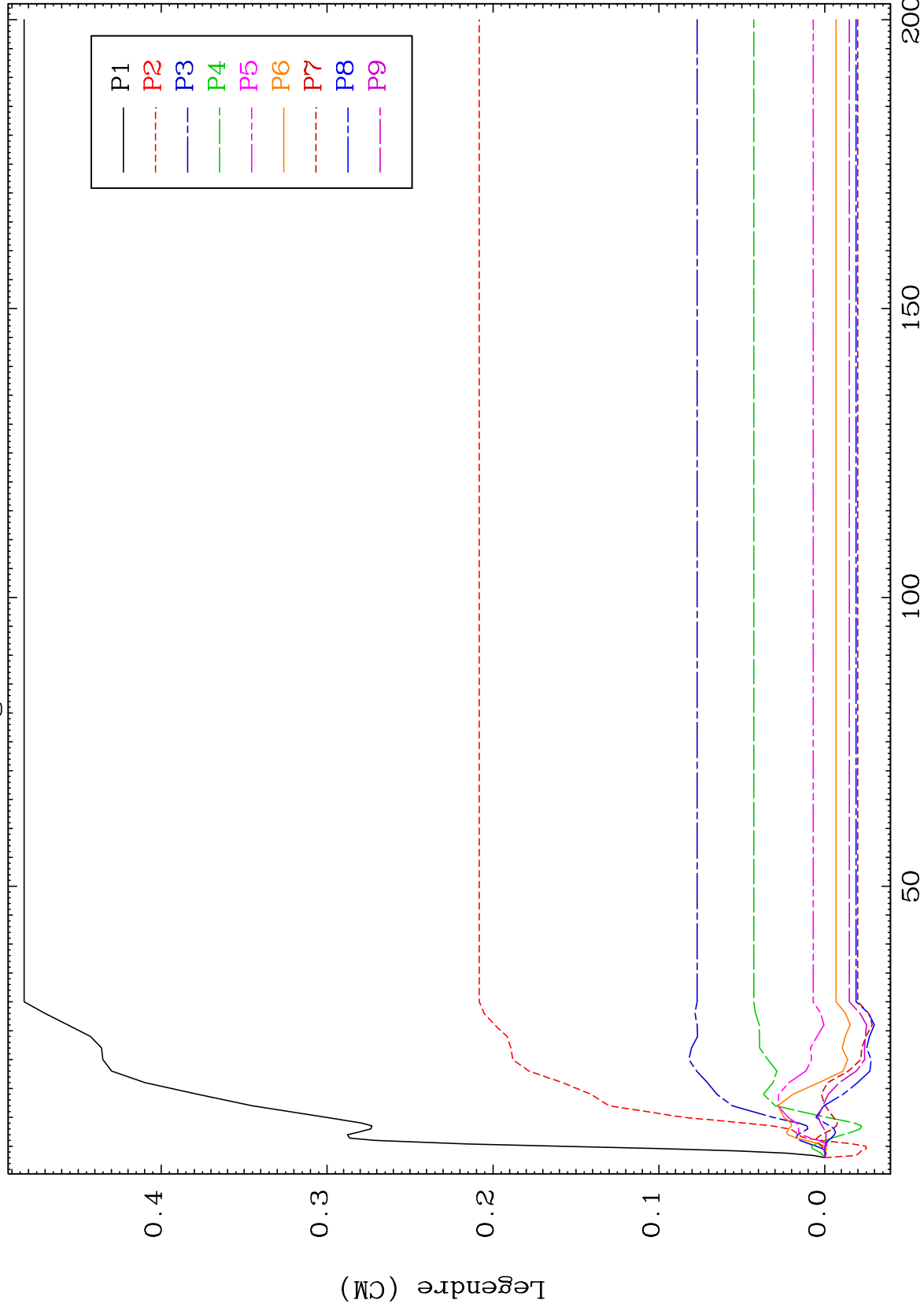
70-Yb-178



MAT 7055

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

70-Yb-178



118

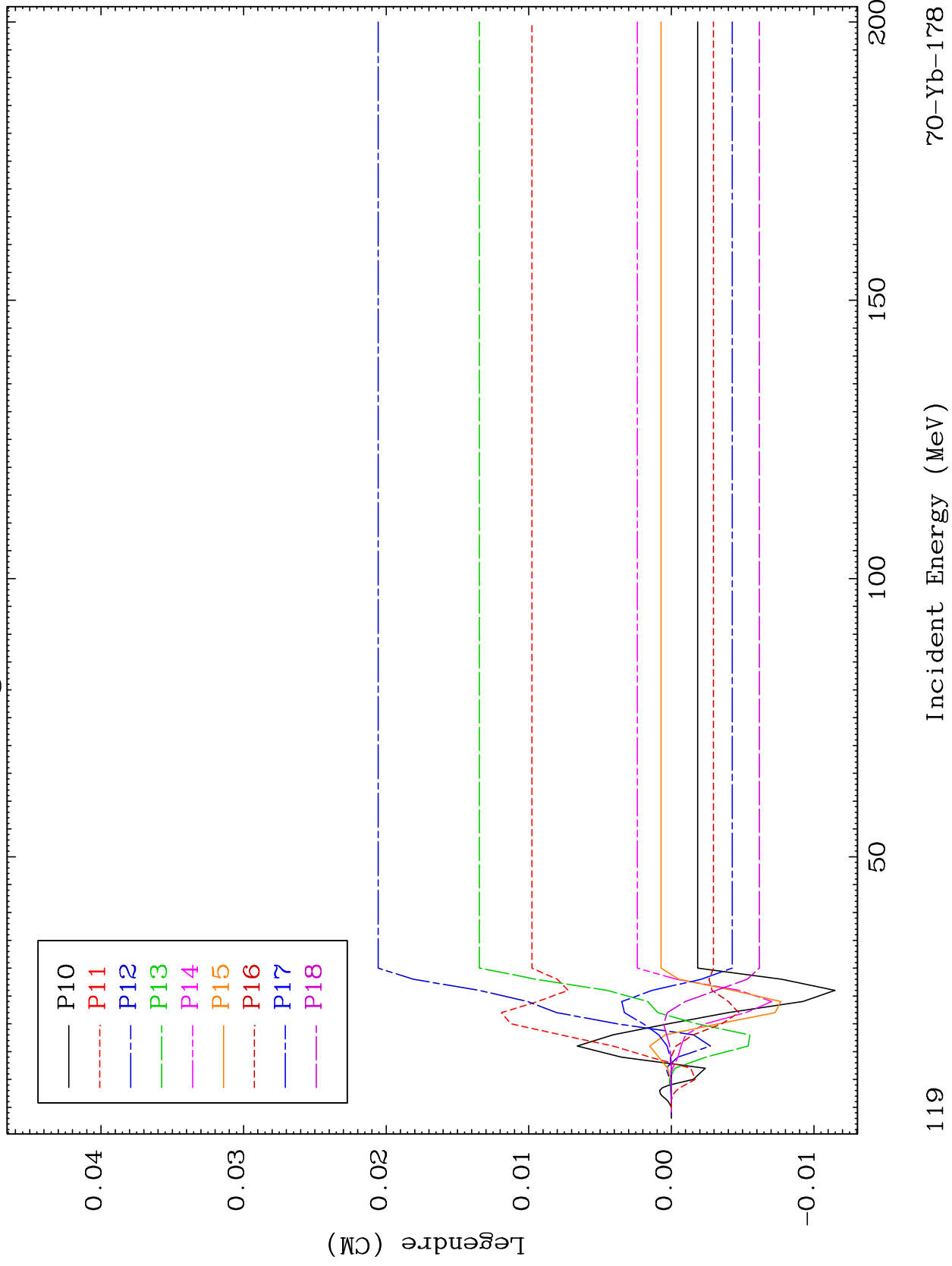
Incident Energy (MeV)

70-Yb-178

MAT 7055

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

70-Yb-178



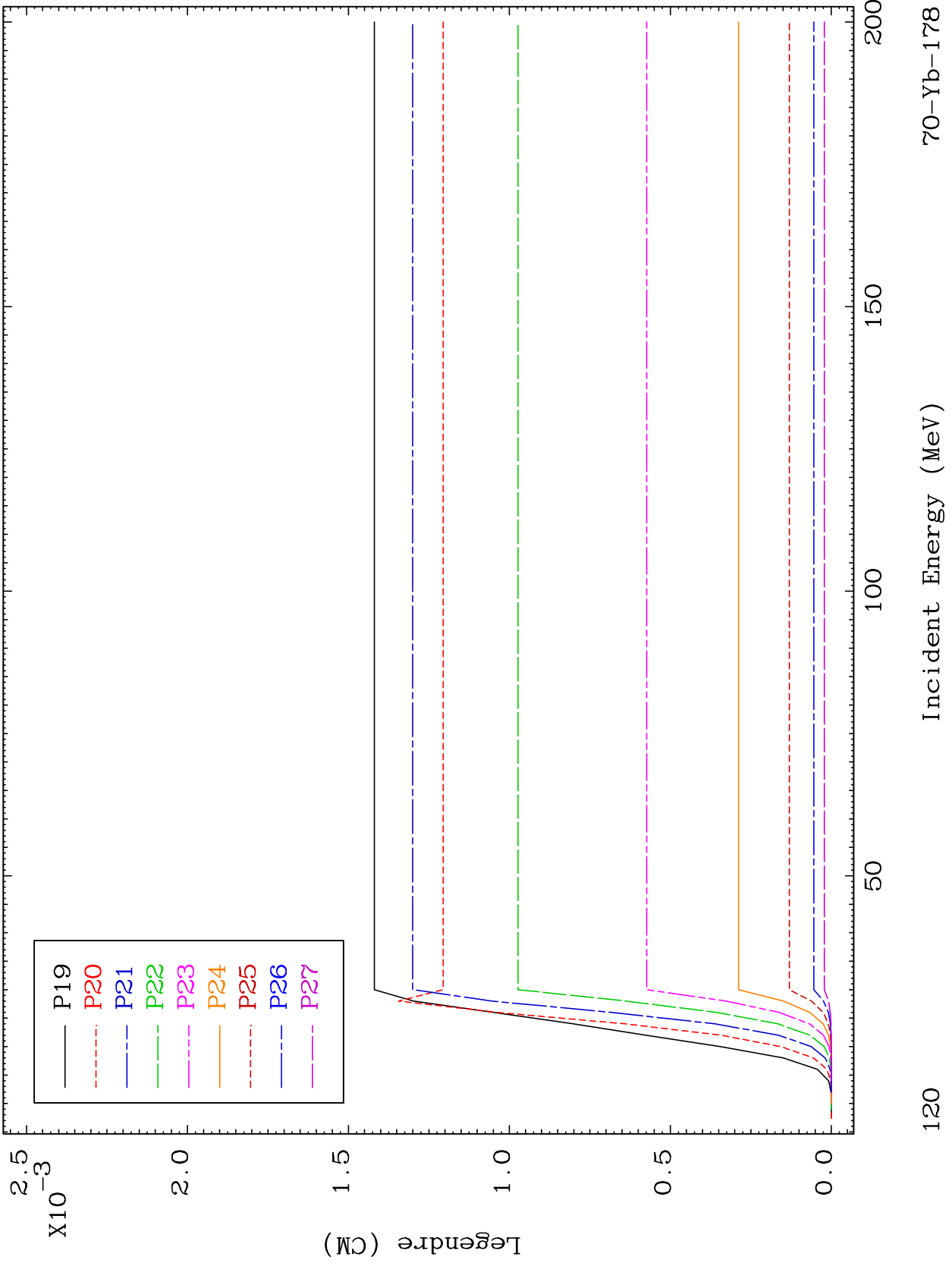
119

70-Yb-178

MAT 70555

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

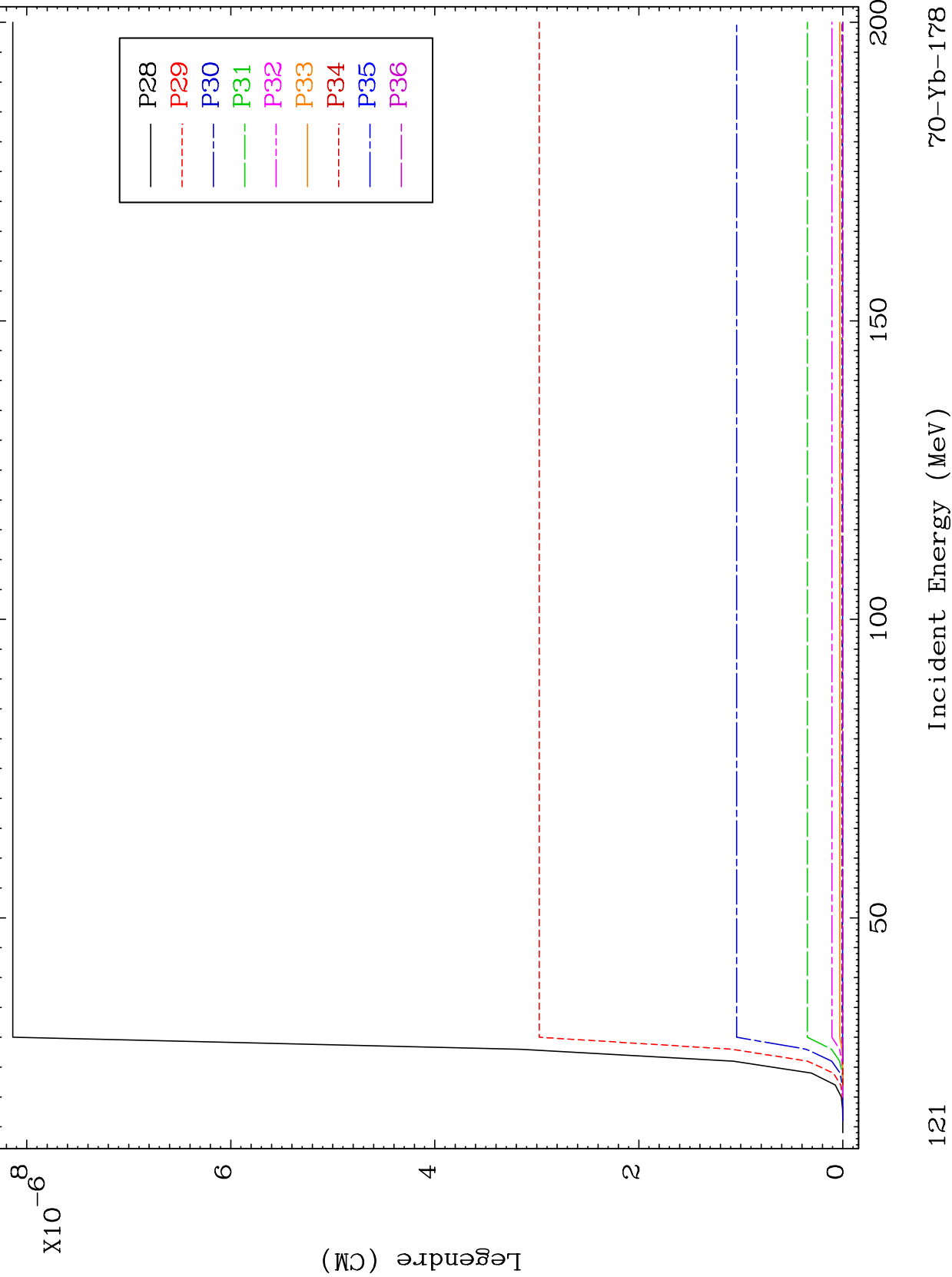
70-Yb-178



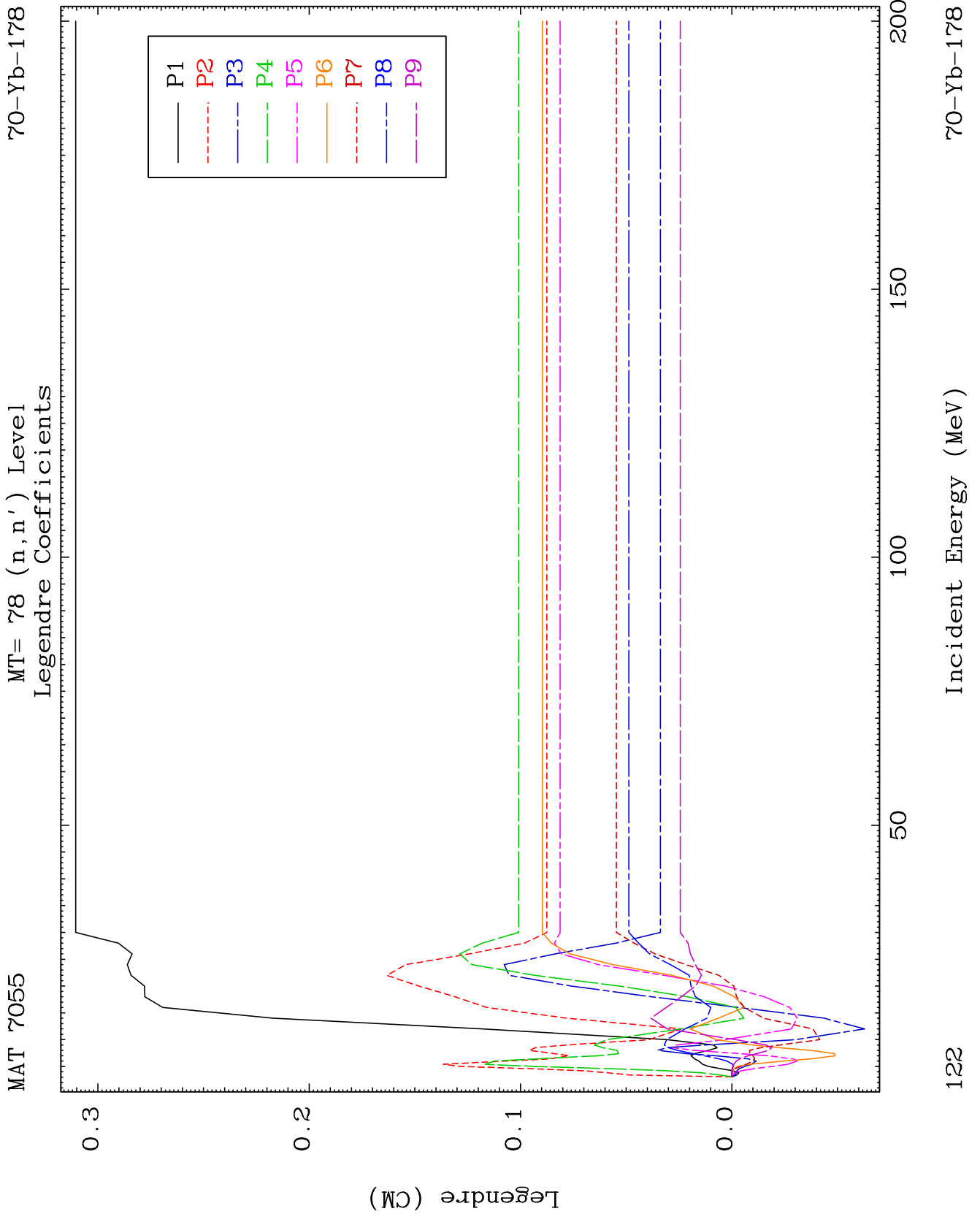
MAT 7055

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

70-Yb-178



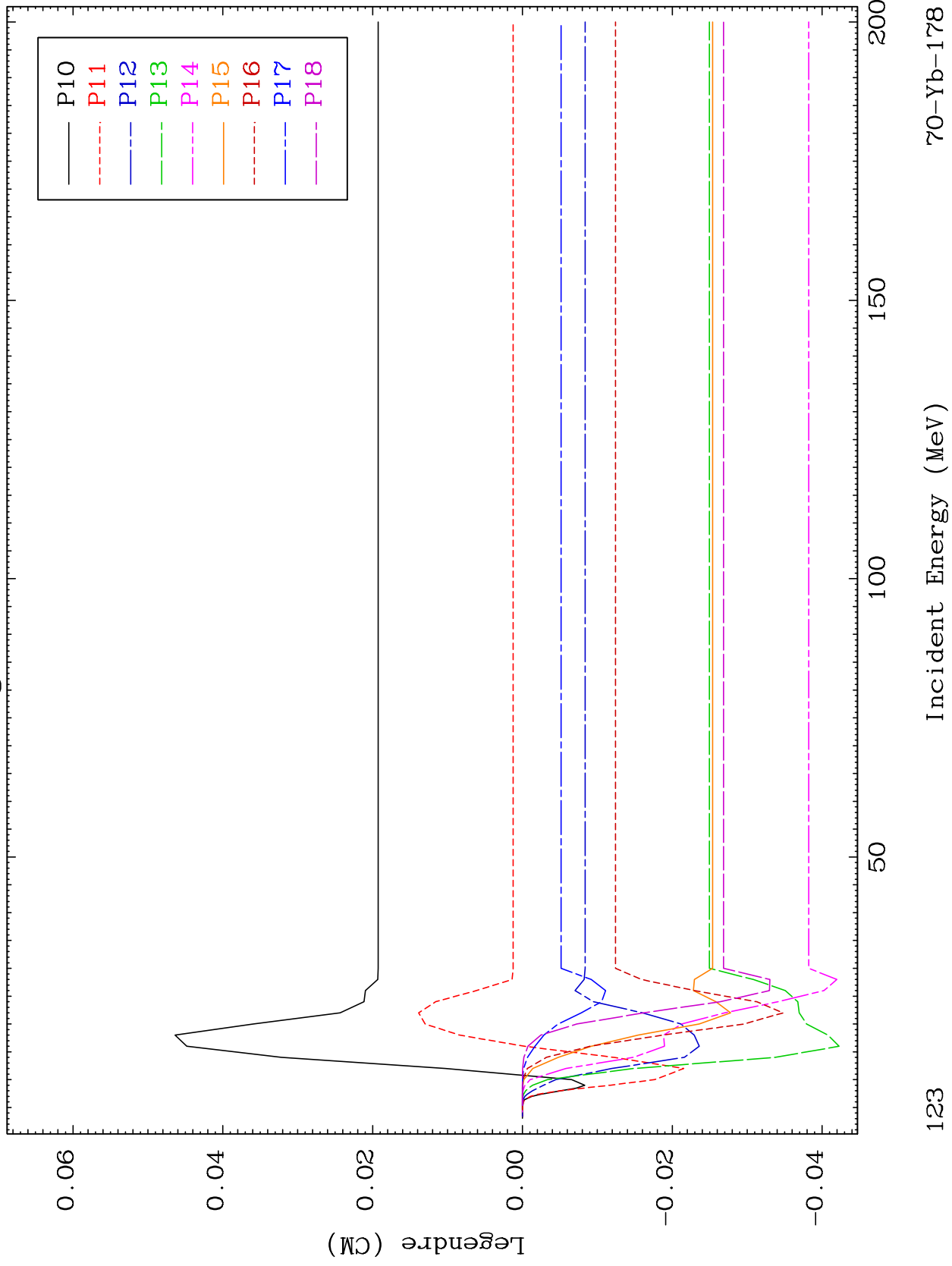
121



MAT 7055

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

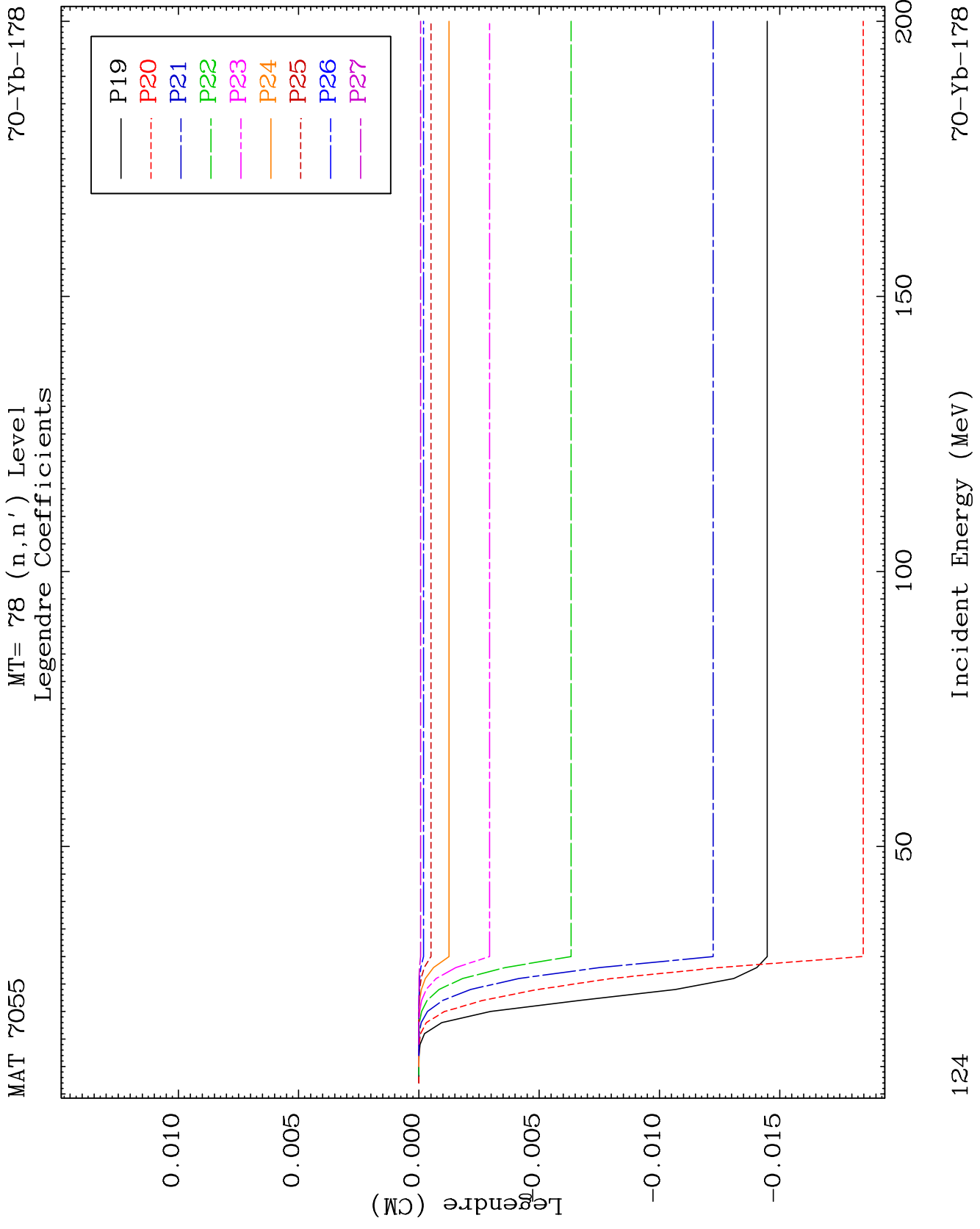
70-Yb-178

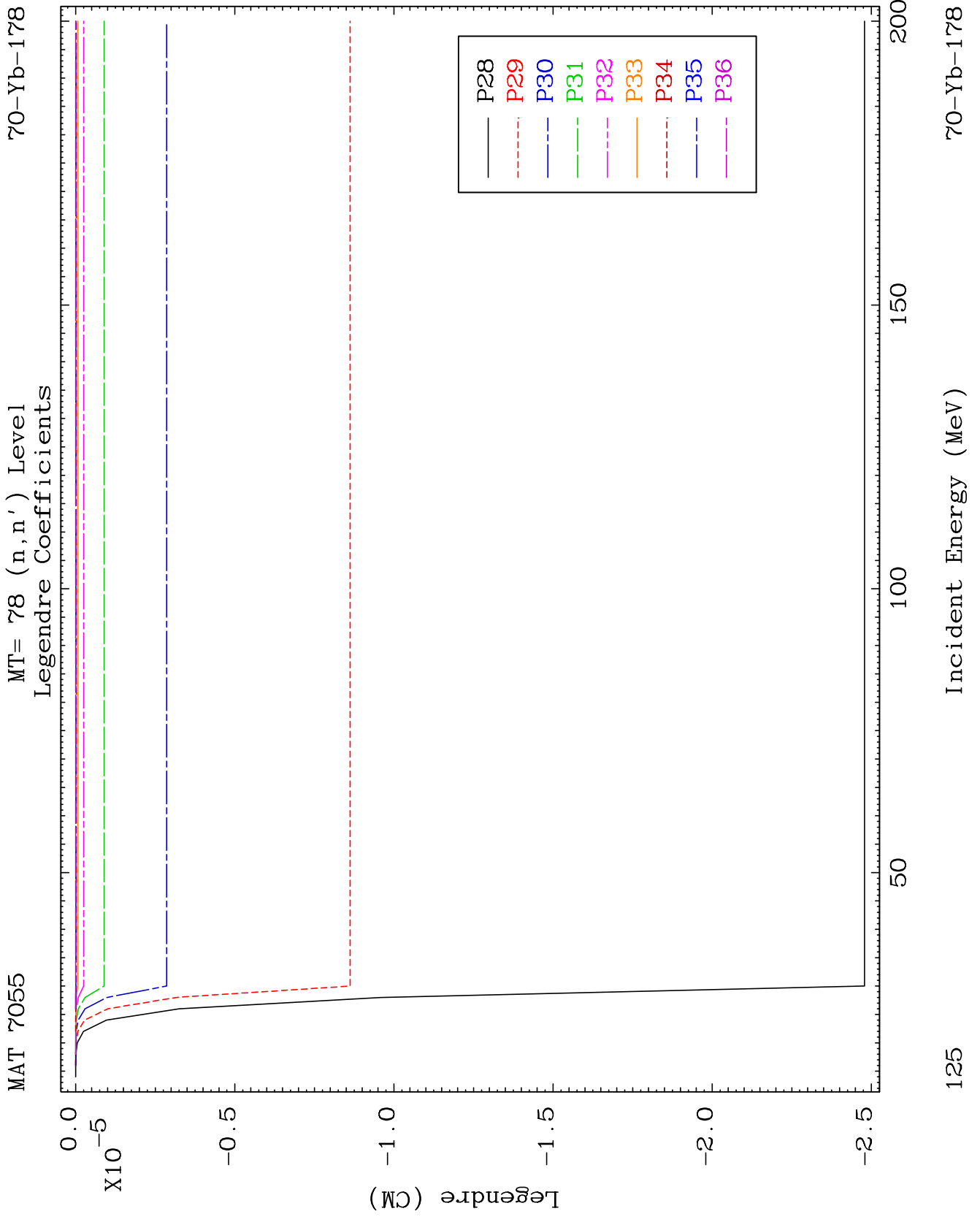


123

Incident Energy (MeV)

70-Yb-178



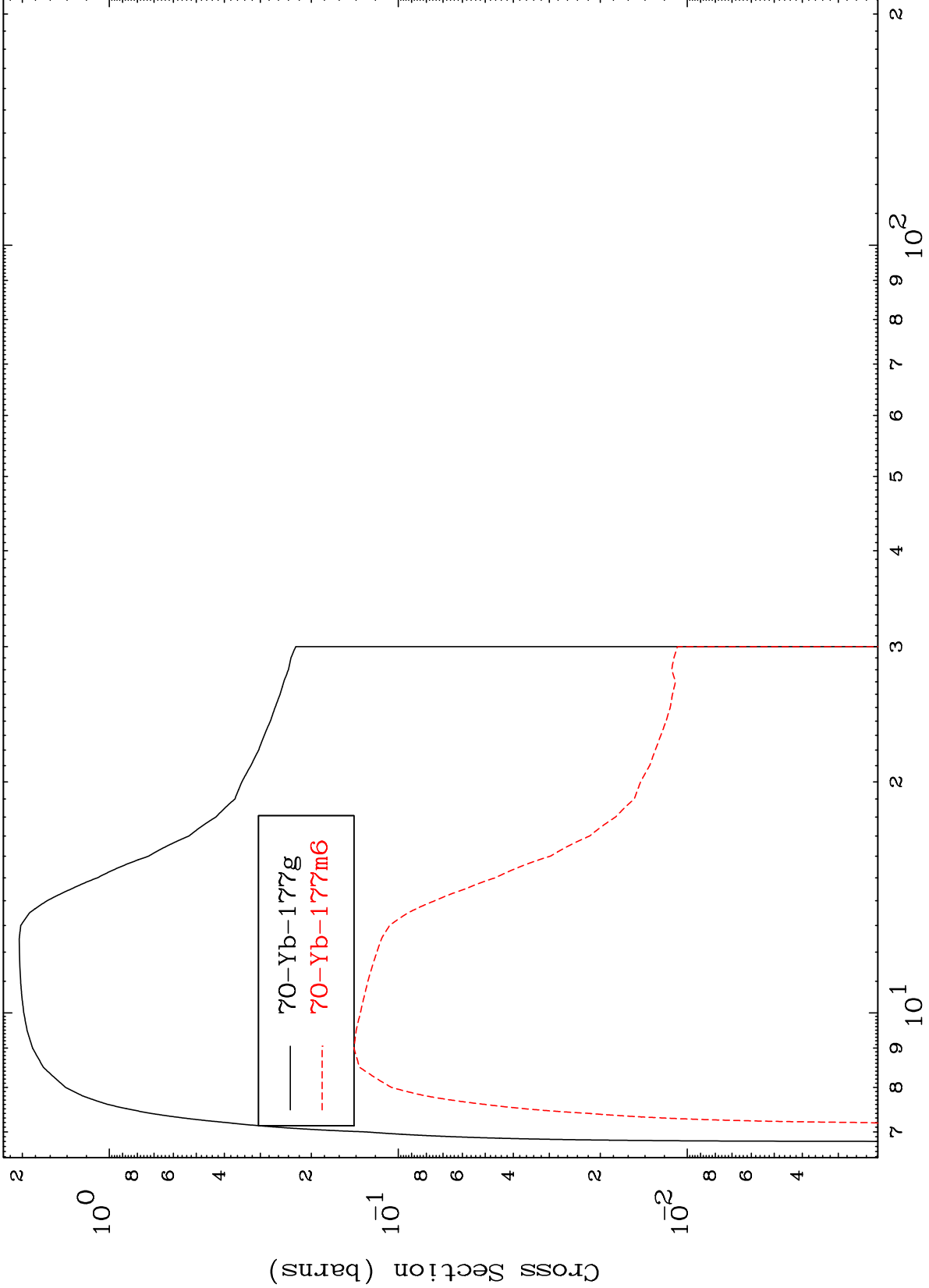


MAT 7055

(n,2n)

⁷⁰Yb-178

Radionuclide Production Cross Section



Cross Section (barns)

— ⁷⁰Yb-177g
- - - ⁷⁰Yb-177m6

Incident Energy (MeV)

⁷⁰Yb-178

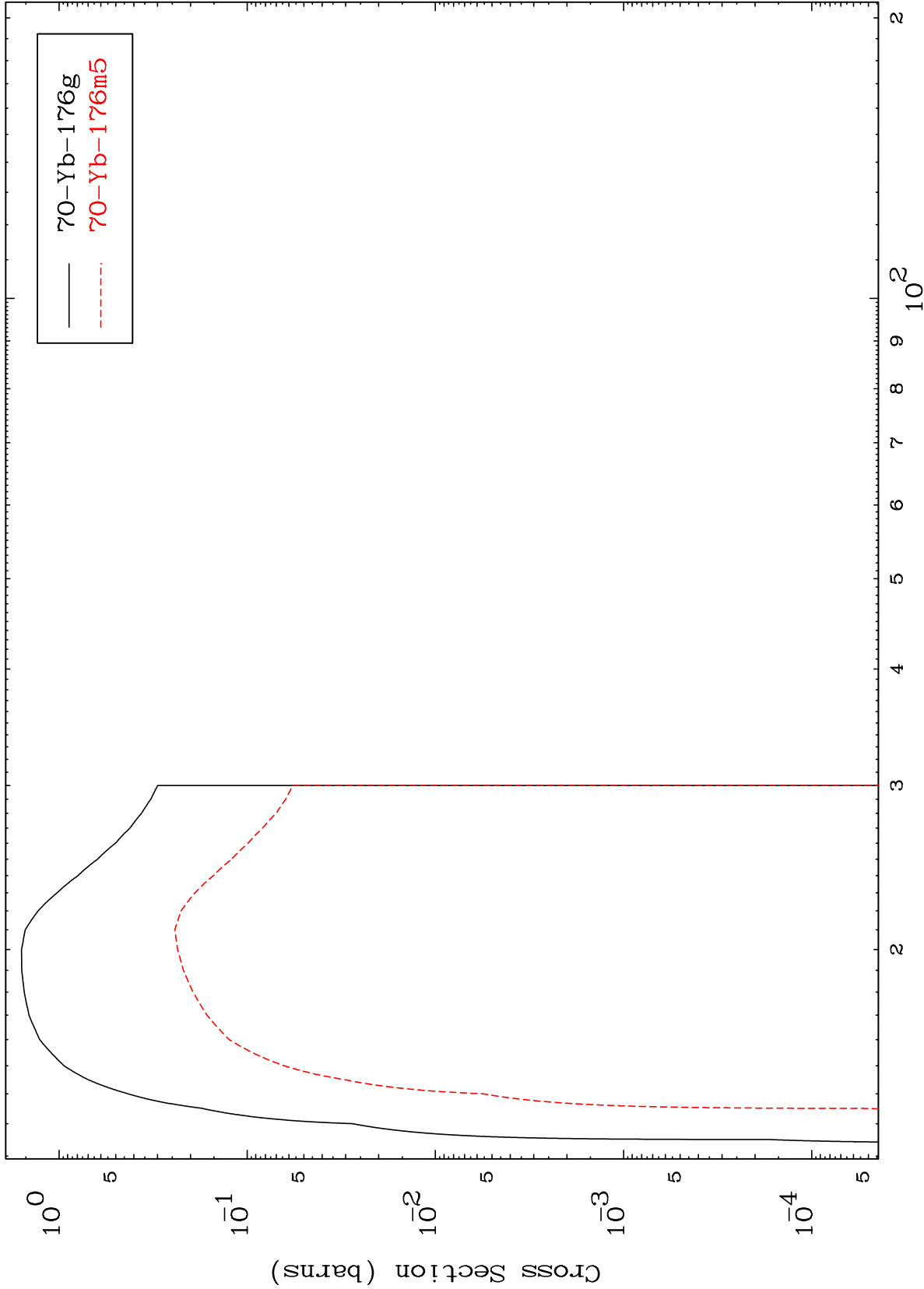
126

MAT 7055

(n,3n)

70-Yb-178

Radionuclide Production Cross Section



70-Yb-176g
70-Yb-176m5

127

Incident Energy (MeV)

70-Yb-178