

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

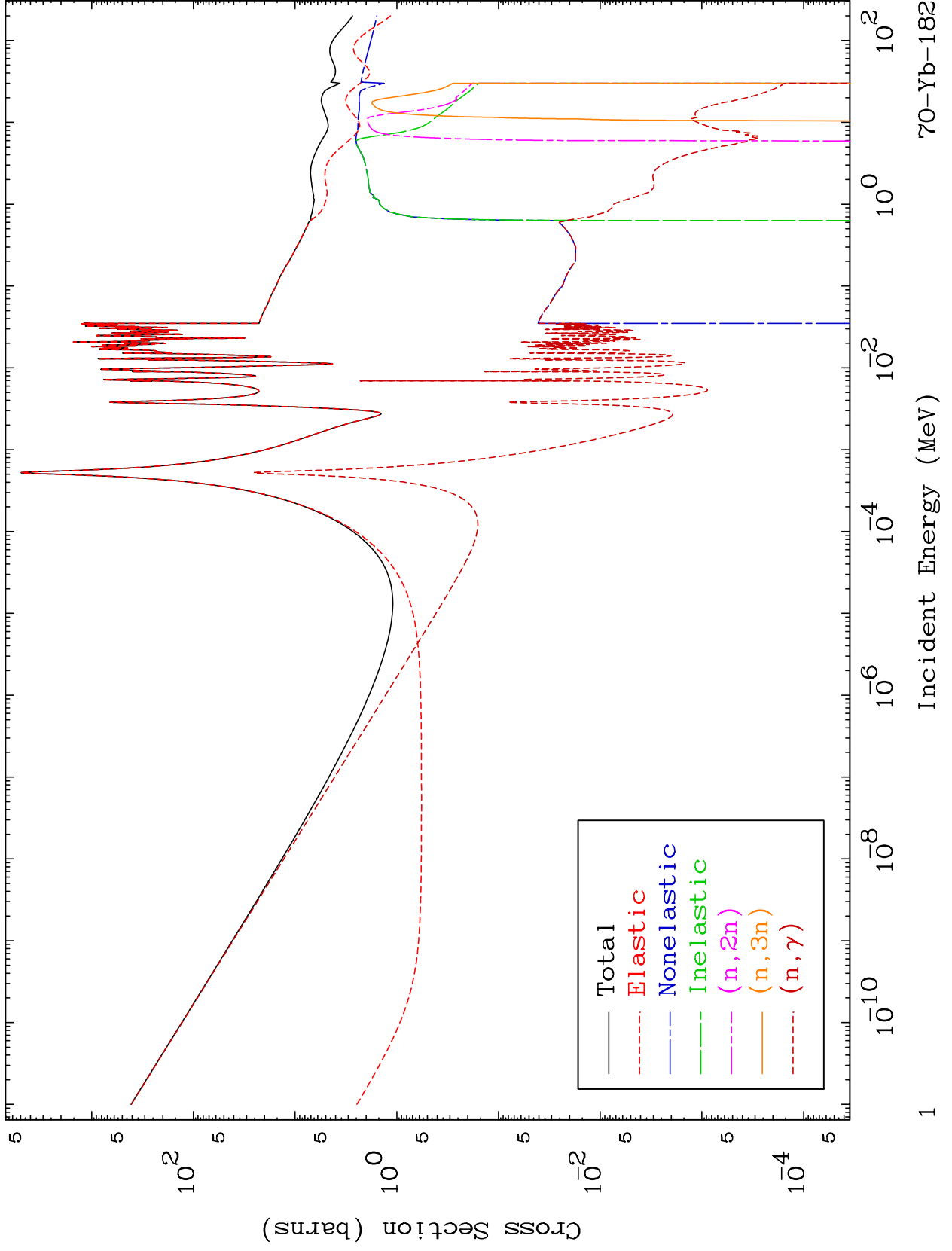
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Press Mouse Button to Start

MAT 7067

Neutron Major
293 Kelvin Cross Sections

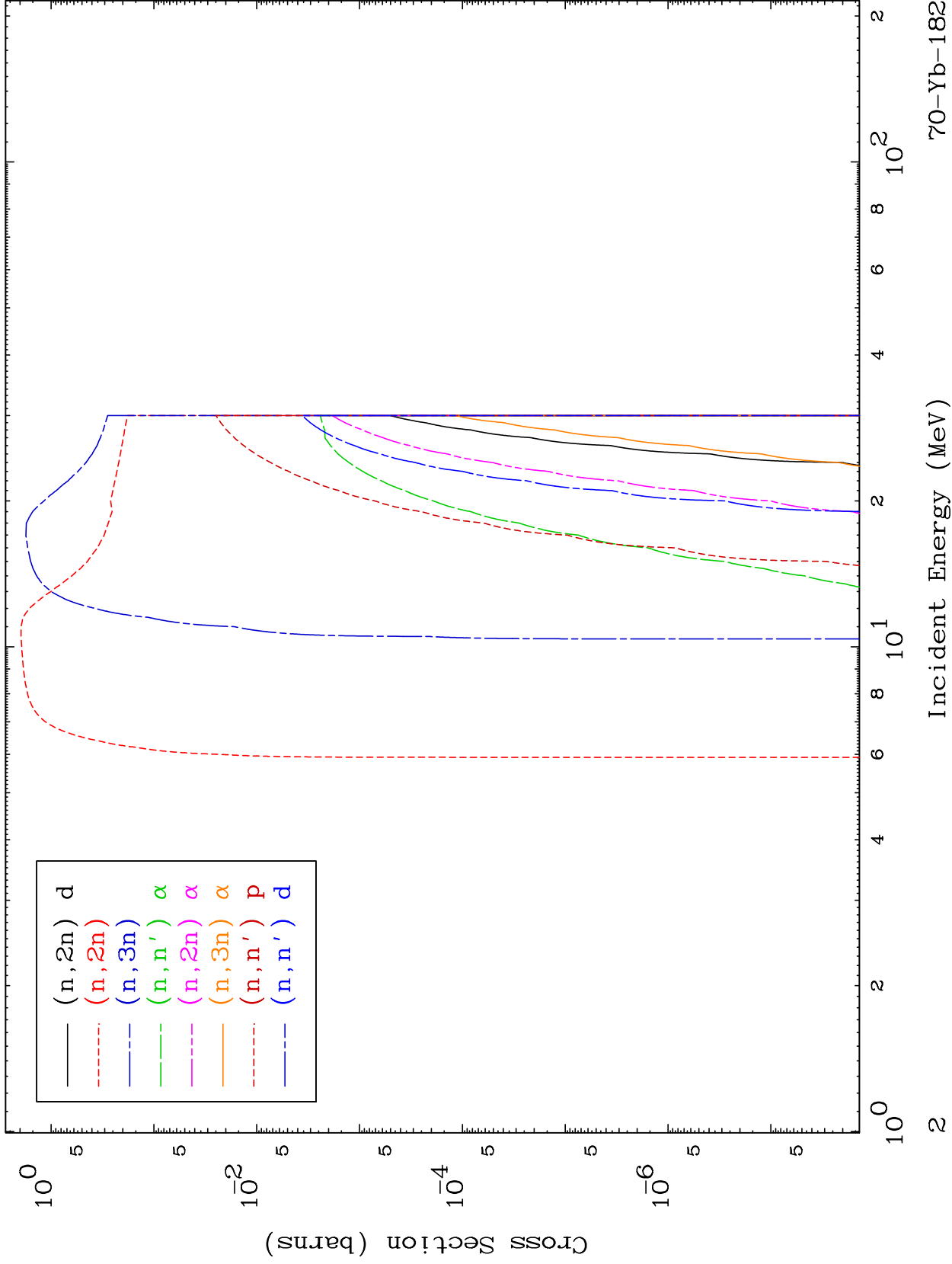
70-Yb-182



MAT 7067

Neutron Absorption
293 Kelvin Cross Sections

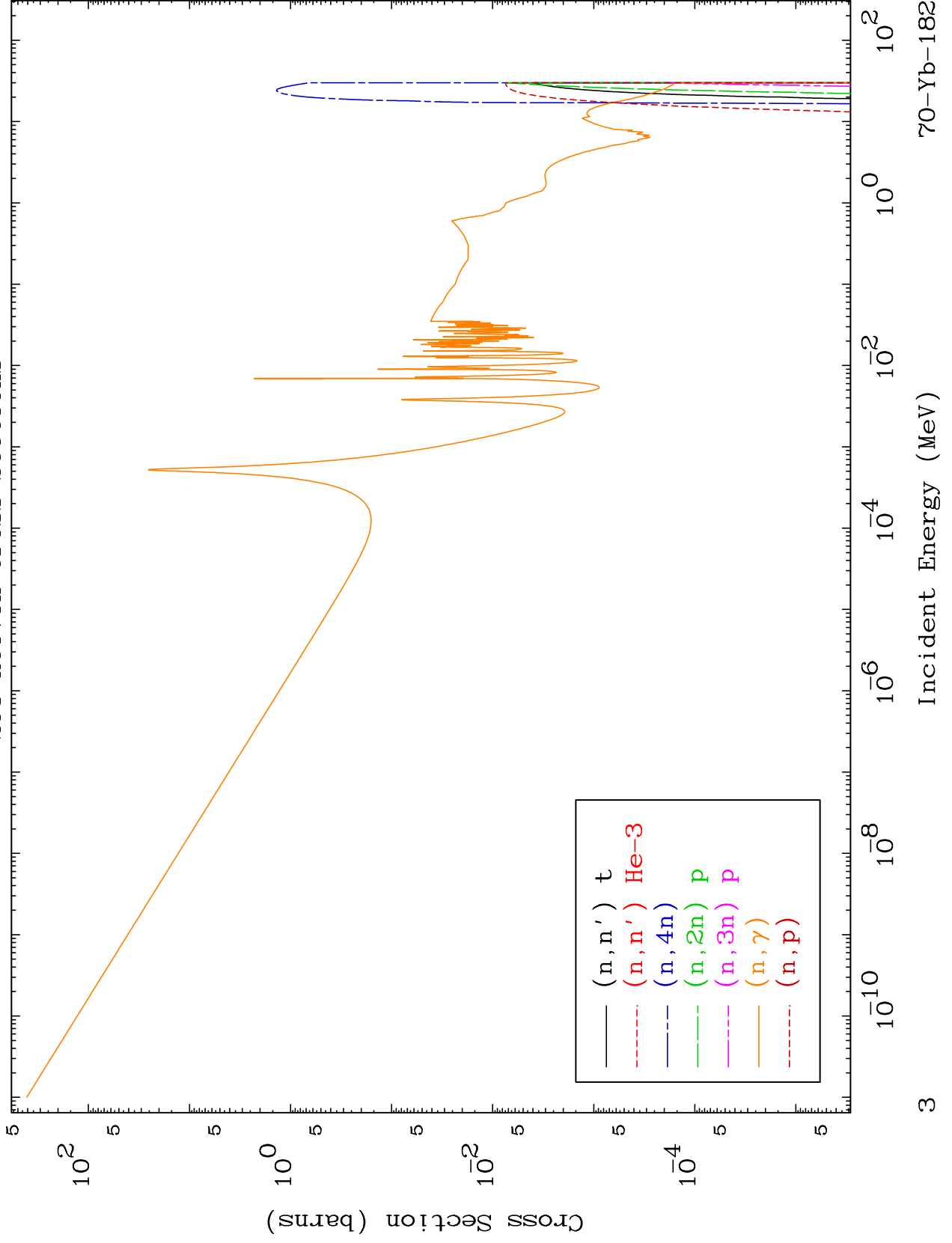
70-Yb-182



MAT 7067

Neutron Absorption
293 Kelvin Cross Sections

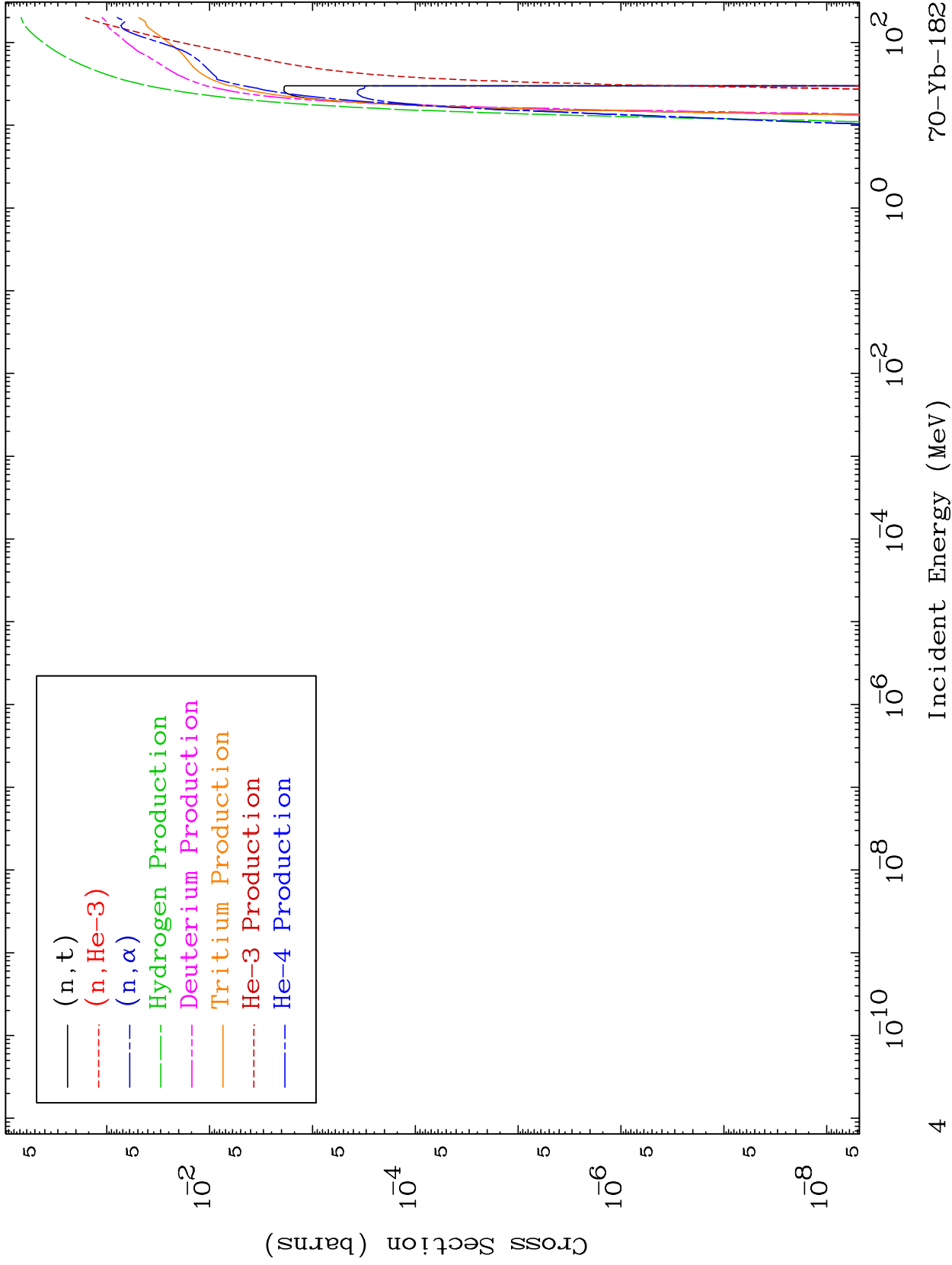
70-Yb-182



MAT 7067

Neutron Absorption
293 Kelvin Cross Sections

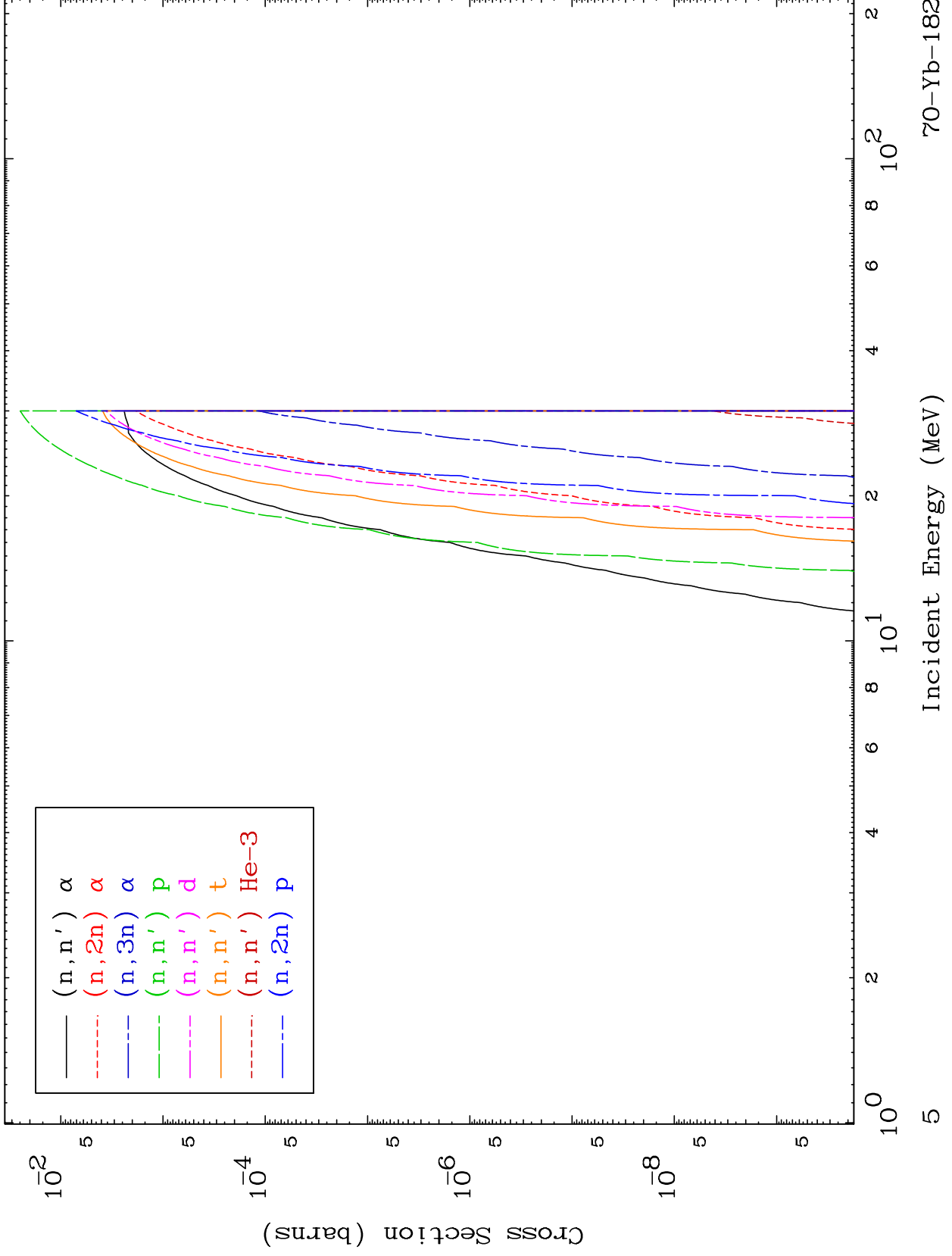
70-Yb-182



MAT 7067

Charged Particle
293 Kelvin Cross Sections

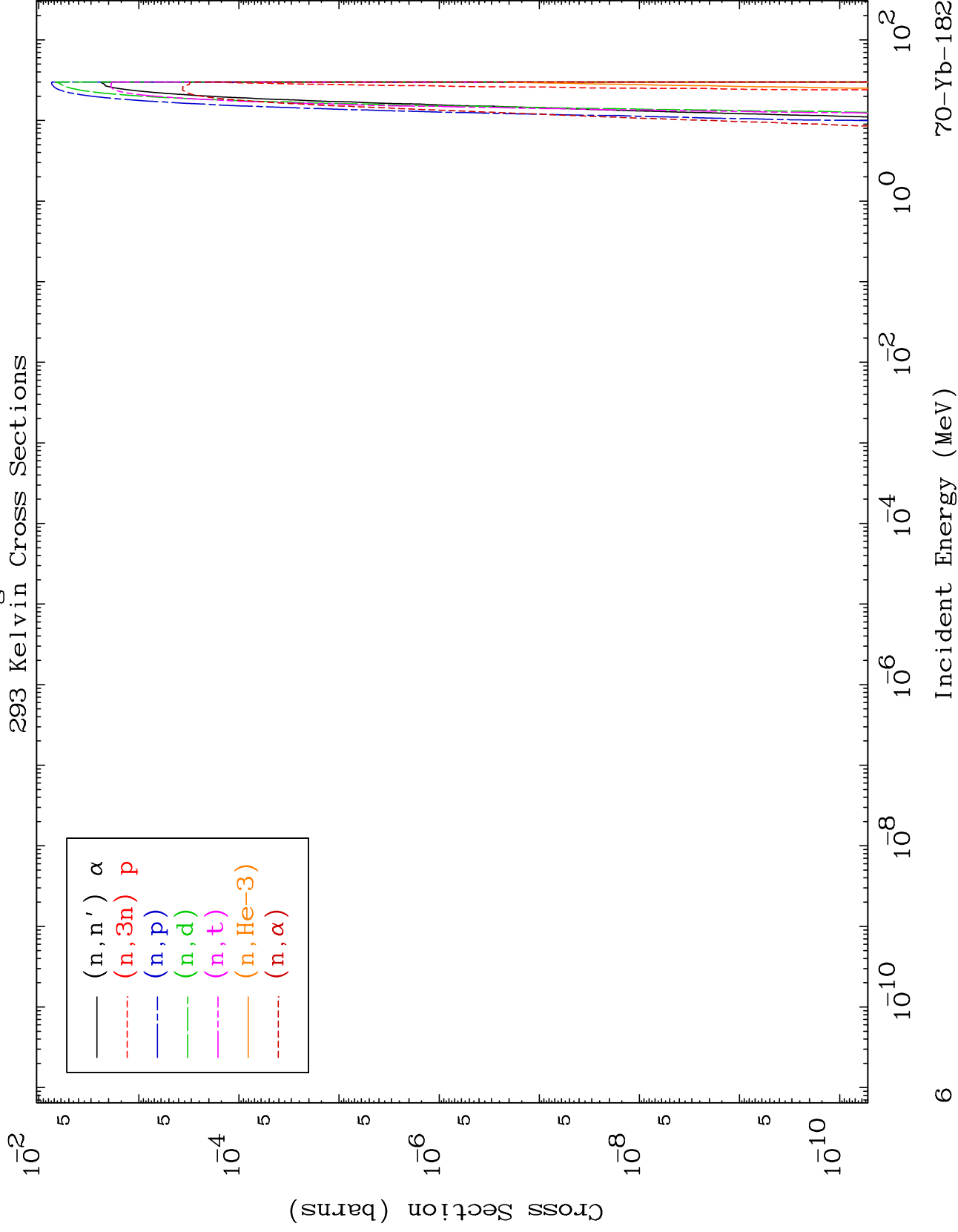
70-Yb-182



MAT 7067

Charged Particle
293 Kelvin Cross Sections

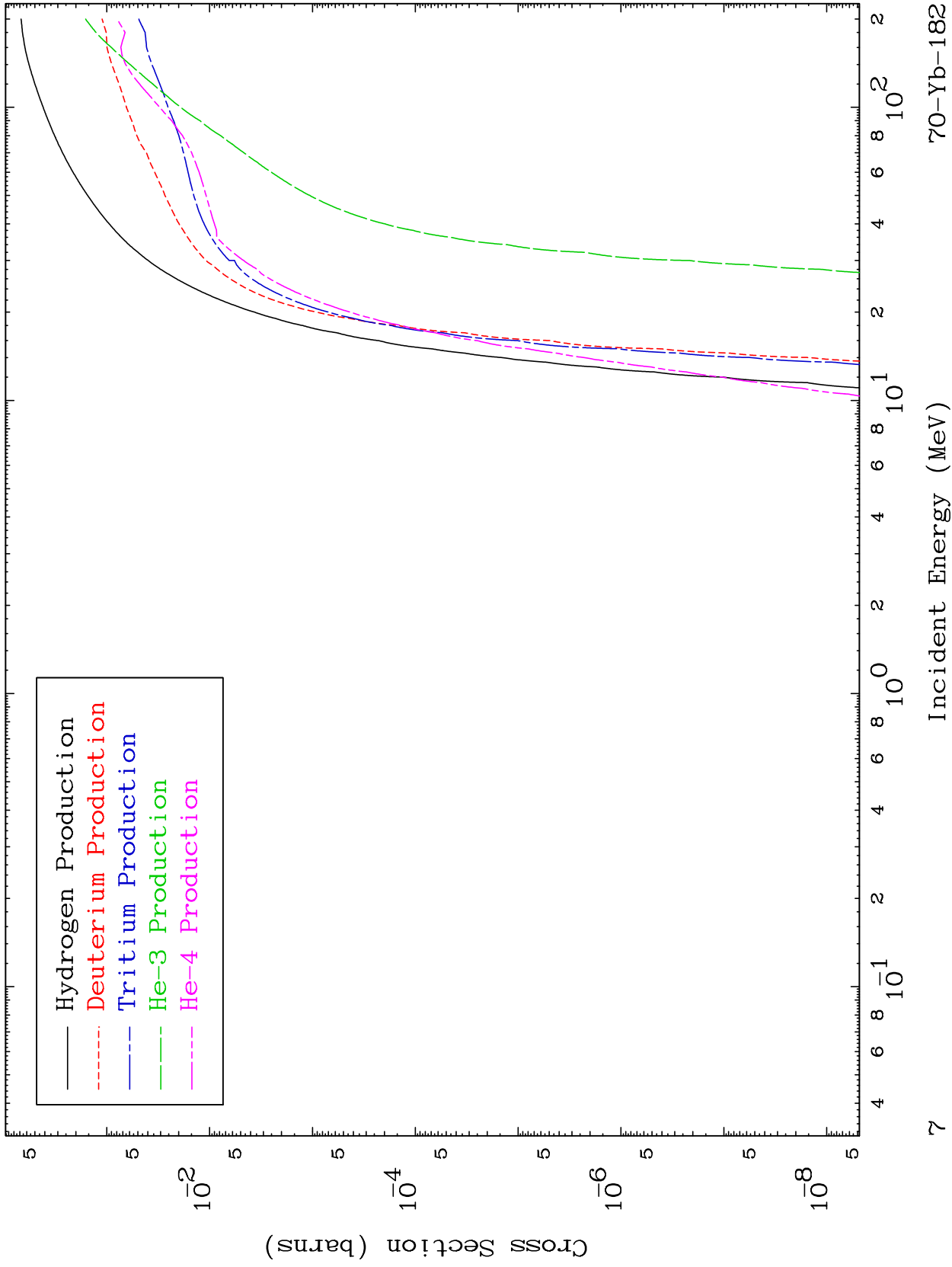
70-Yb-182



MAT 7067

Particle Production
293 Kelvin Cross Sections

70-Yb-182

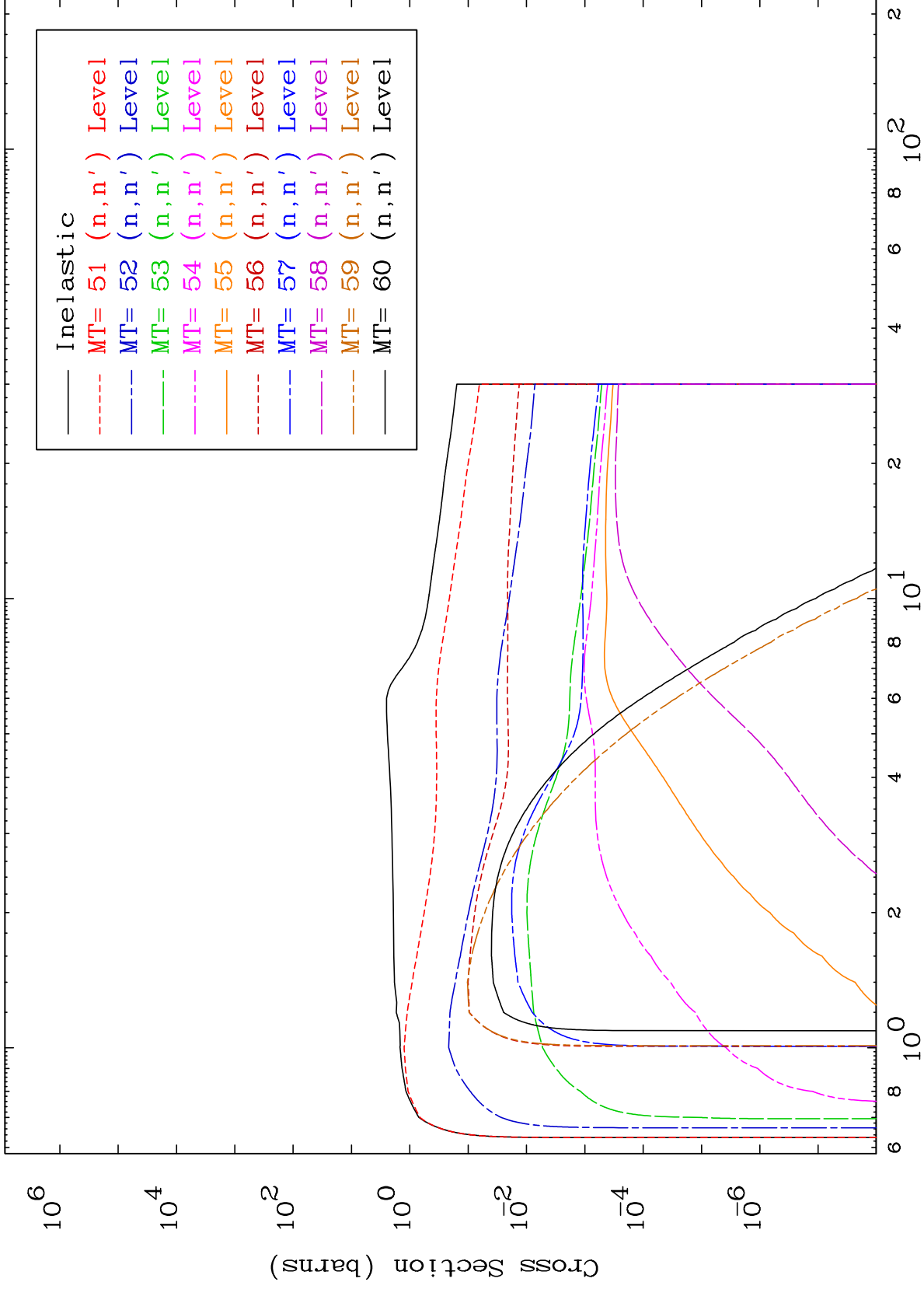


MAT 7067

(n,n') Levels

70-Yb-182

293 Kelvin Cross Sections

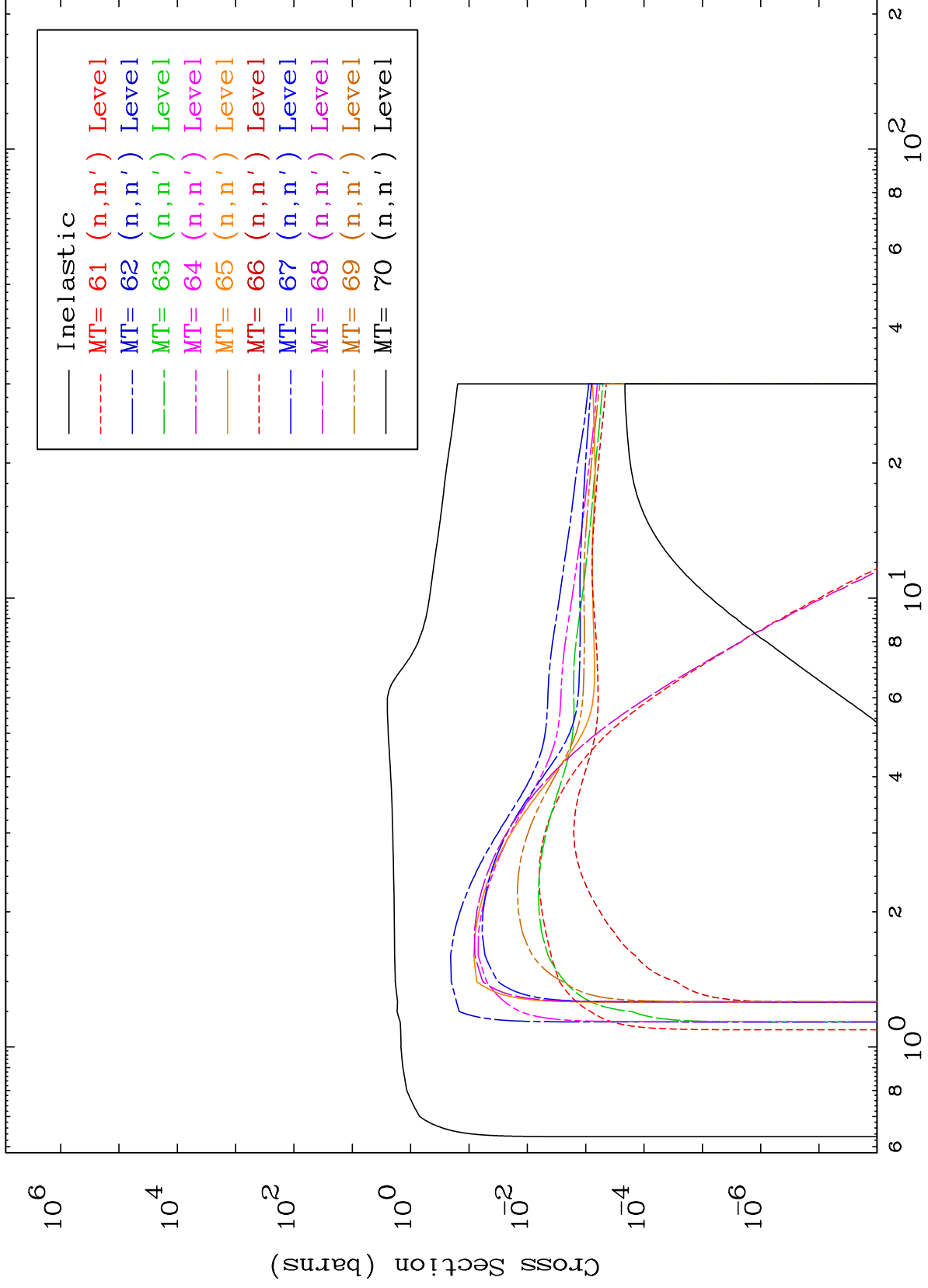


8

Incident Energy (MeV)

70-Yb-182

293 Kelvin Cross Sections



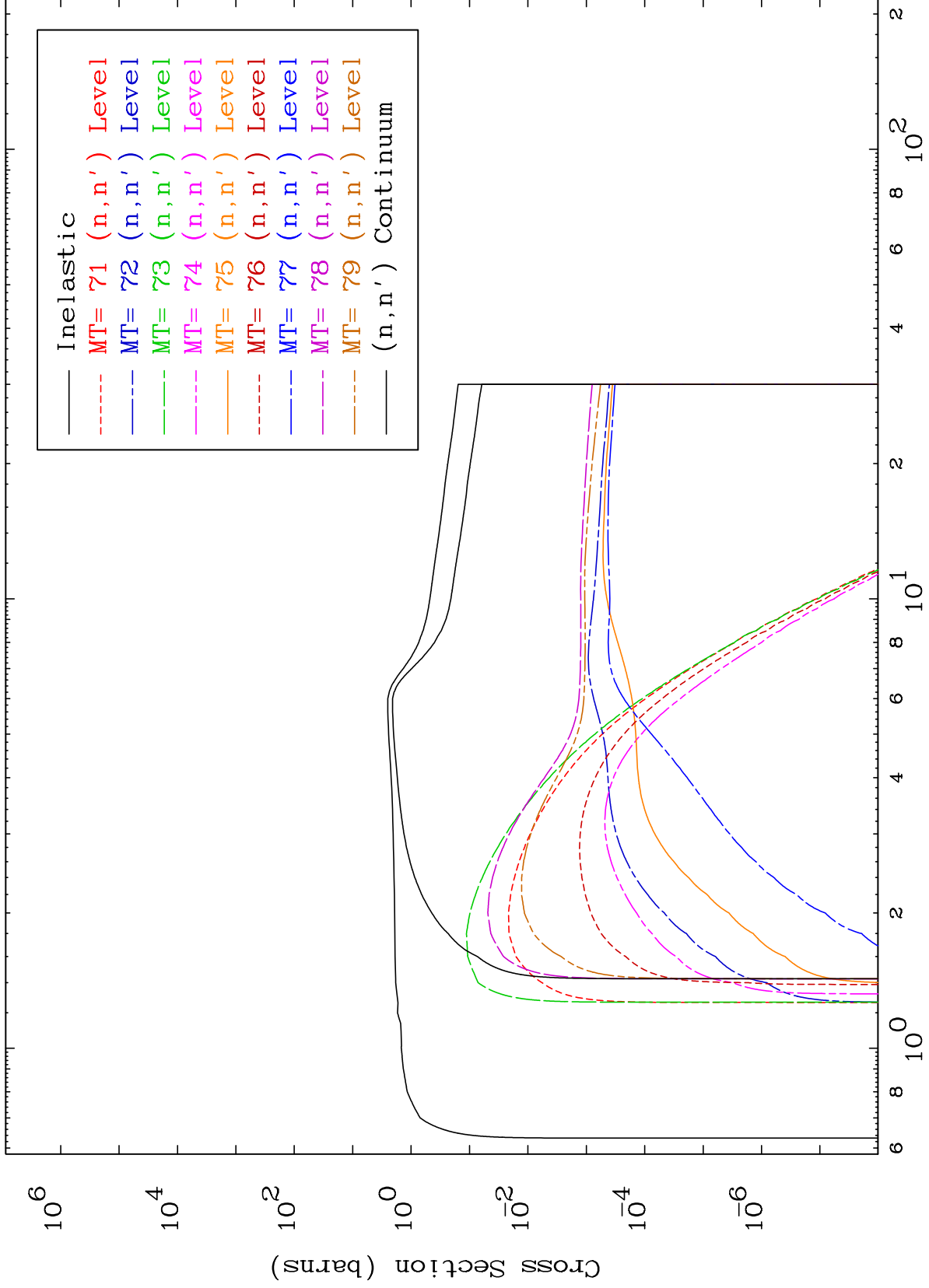
—	Inelastic
- - -	MT= 61 (n,n') Level
- · - ·	MT= 62 (n,n') Level
- - -	MT= 63 (n,n') Level
- · - ·	MT= 64 (n,n') Level
- - -	MT= 65 (n,n') Level
- · - ·	MT= 66 (n,n') Level
- - -	MT= 67 (n,n') Level
- · - ·	MT= 68 (n,n') Level
- - -	MT= 69 (n,n') Level
- · - ·	MT= 70 (n,n') Level

MAT 7067

(n,n') Levels

70-Yb-182

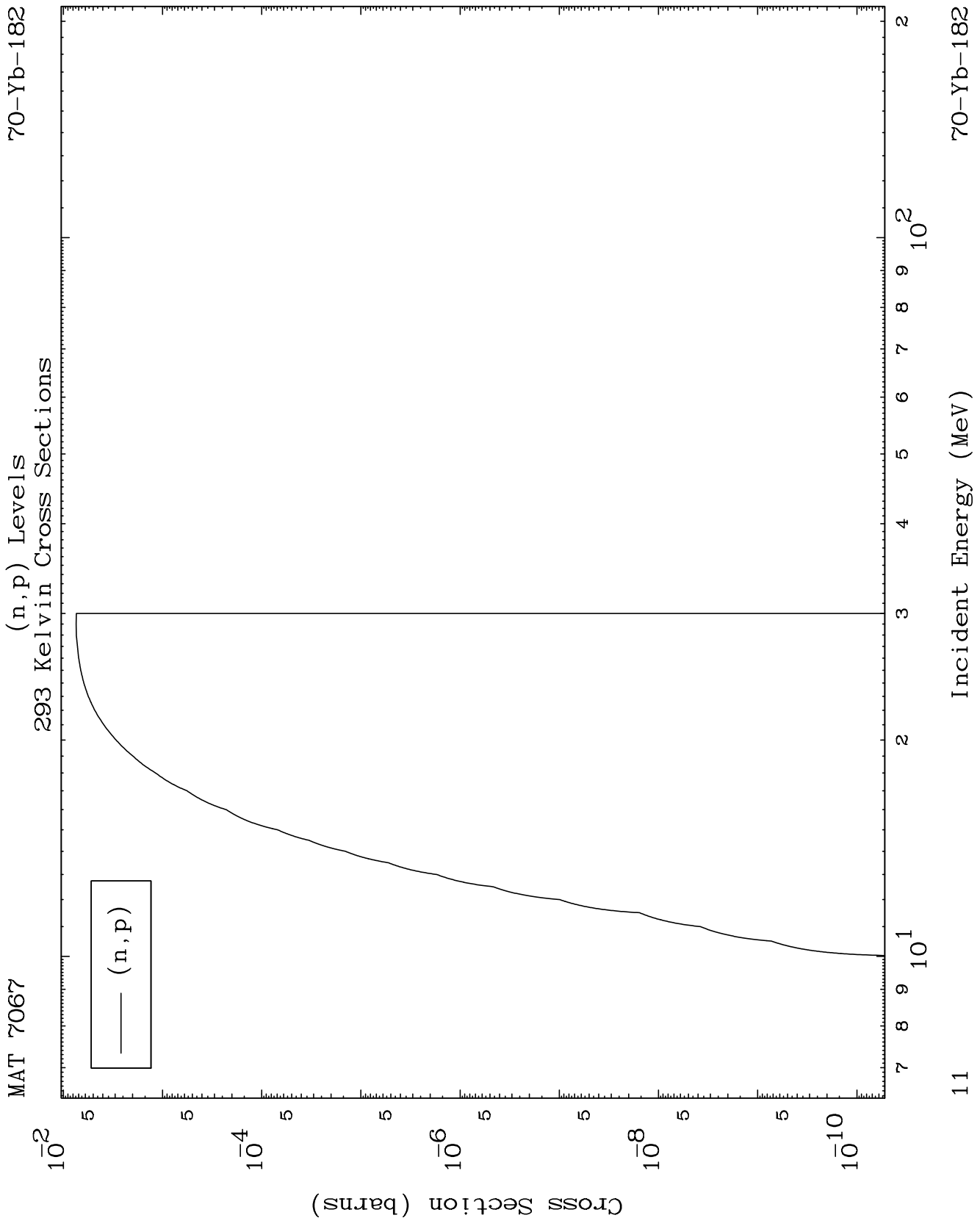
293 Kelvin Cross Sections



10

Incident Energy (MeV)

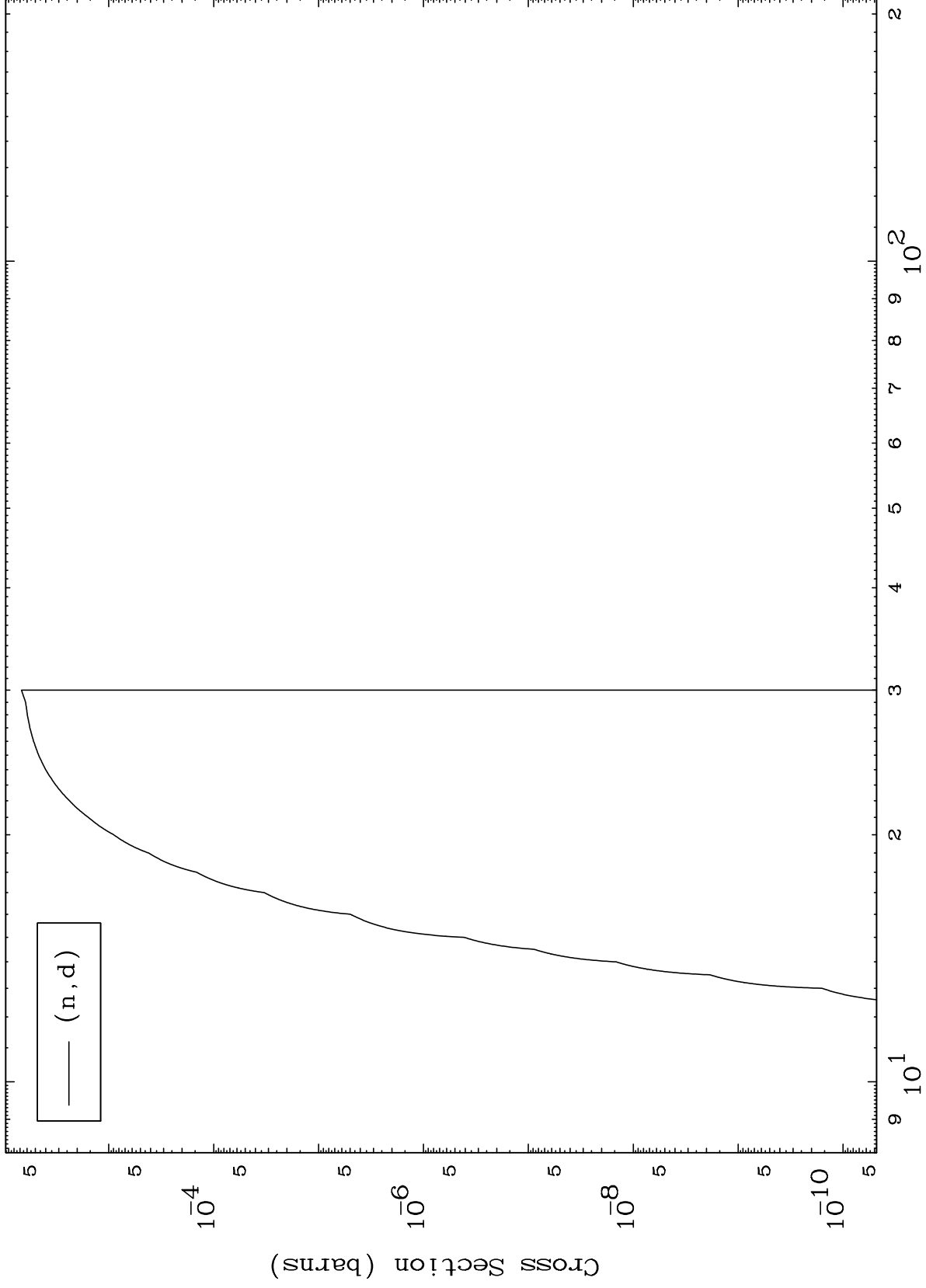
70-Yb-182



MAT 7067

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-182



12

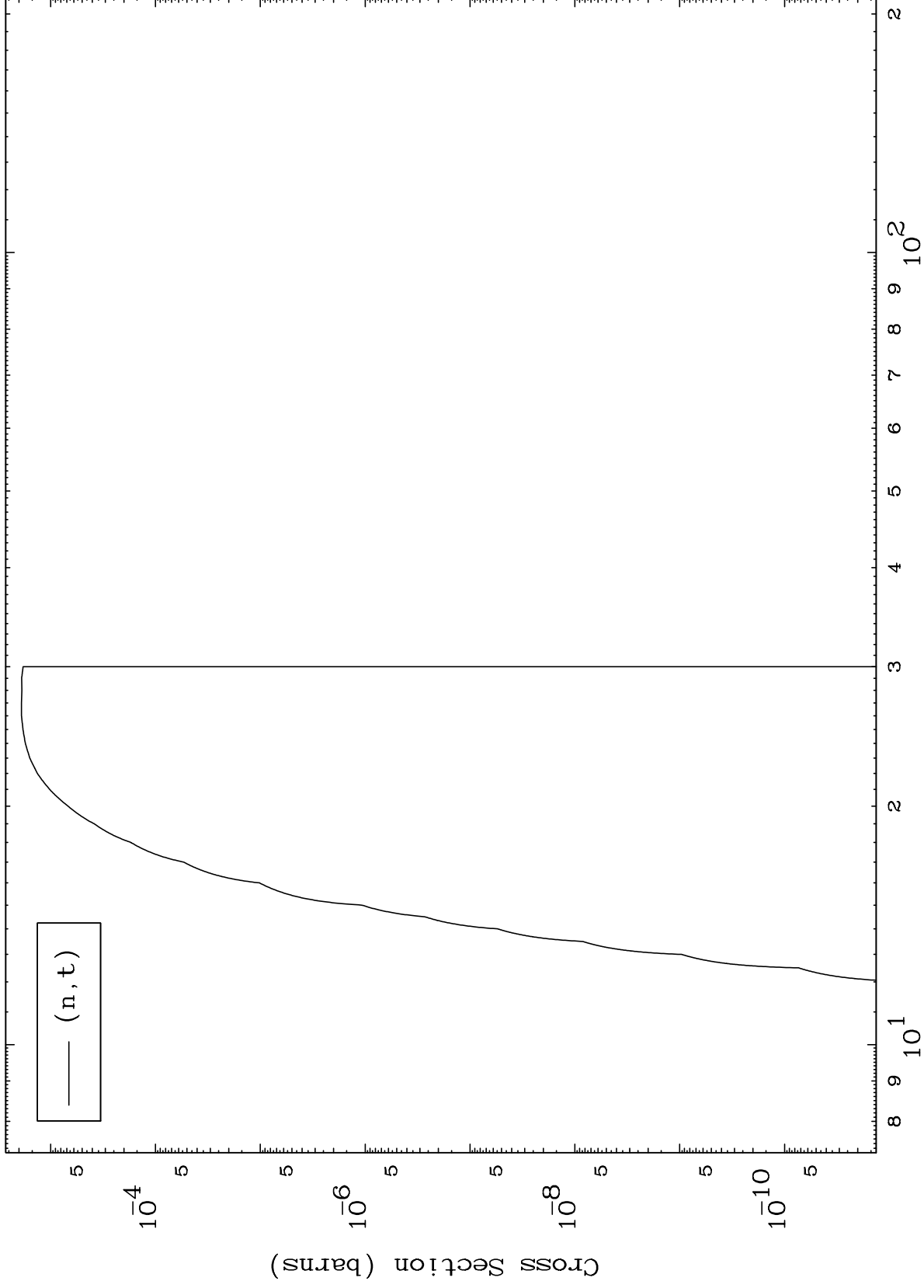
Incident Energy (MeV)

70-Yb-182

MAT 7067

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-182



13

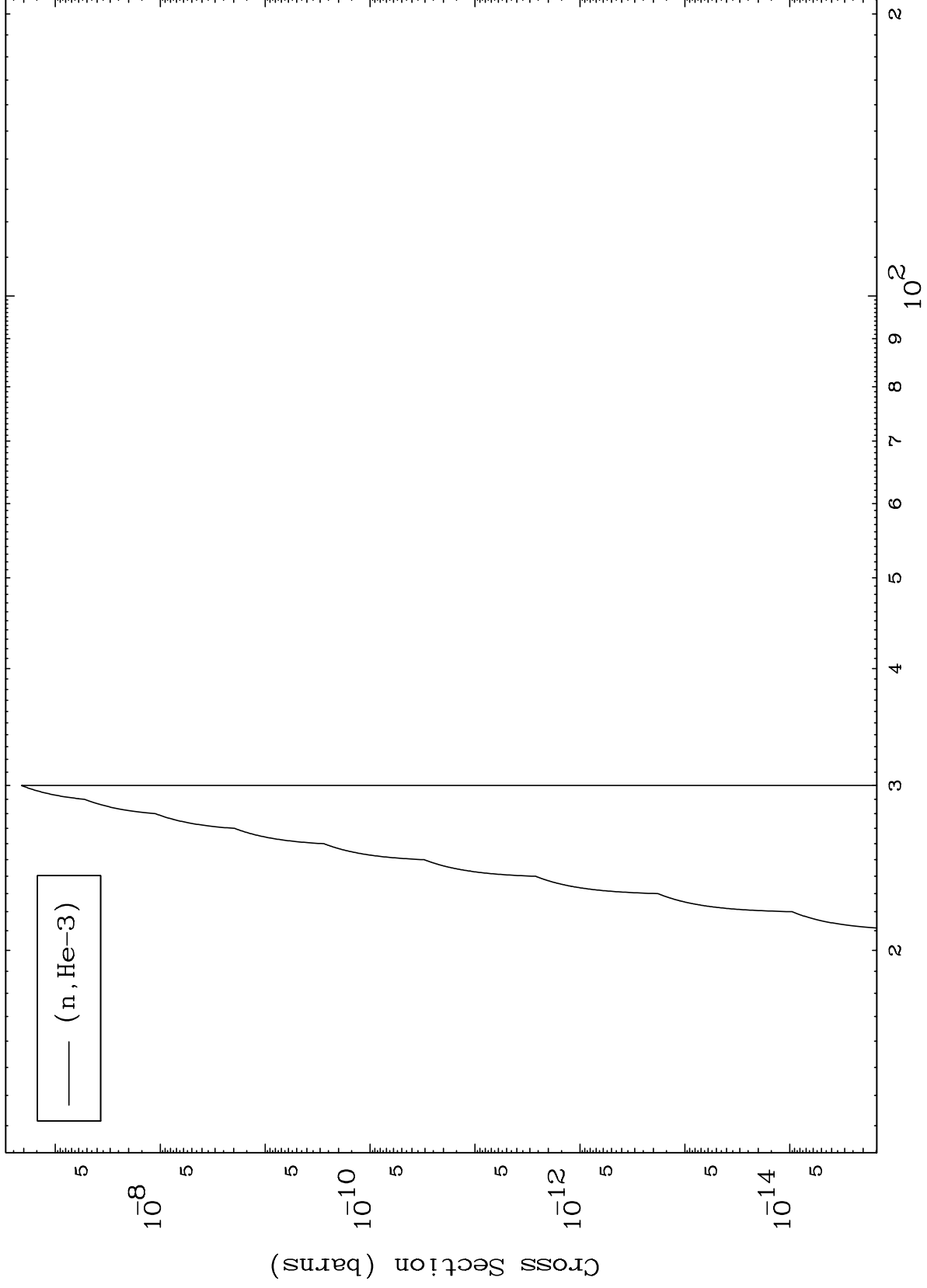
Incident Energy (MeV)

70-Yb-182

MAT 7067

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-182



14

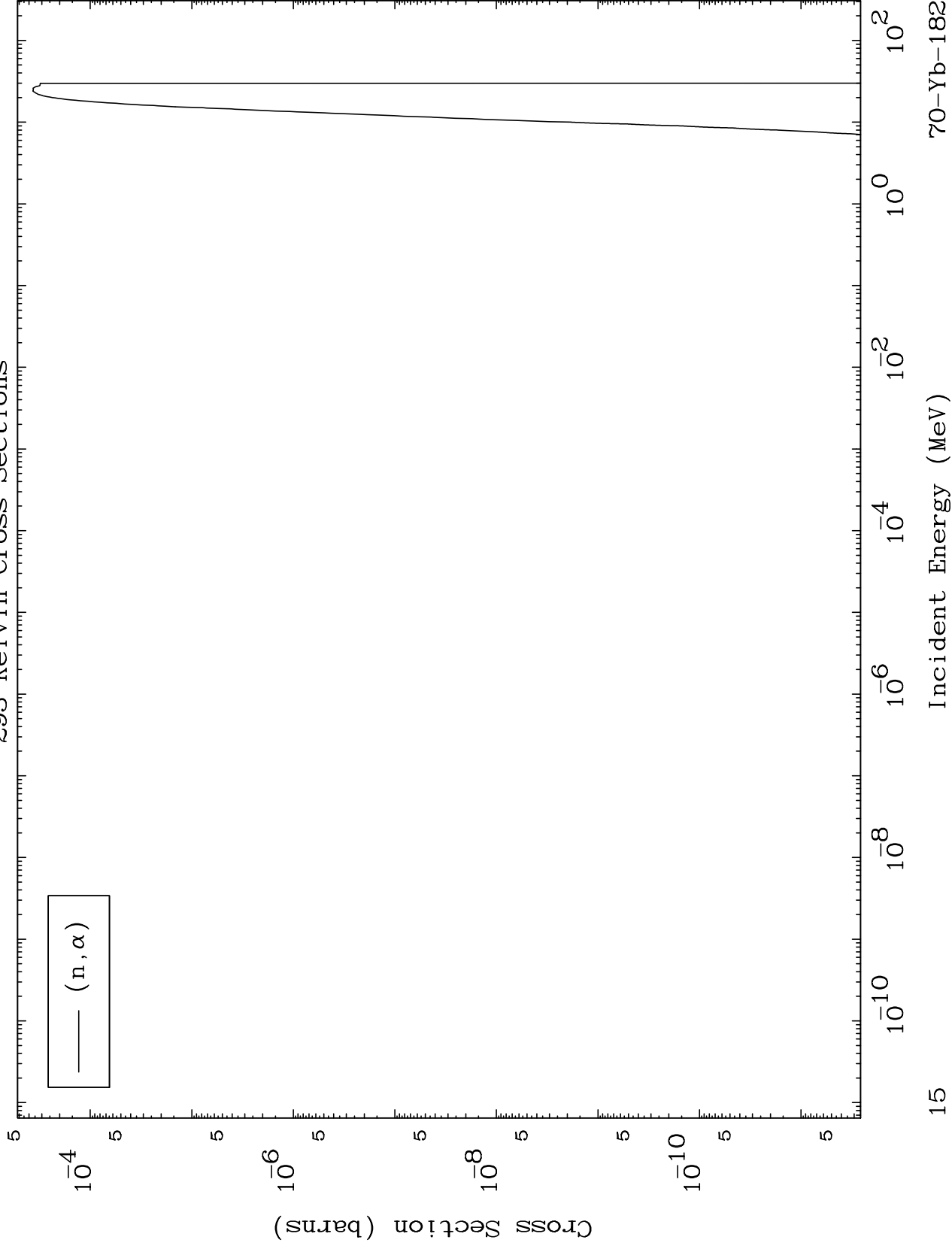
Incident Energy (MeV)

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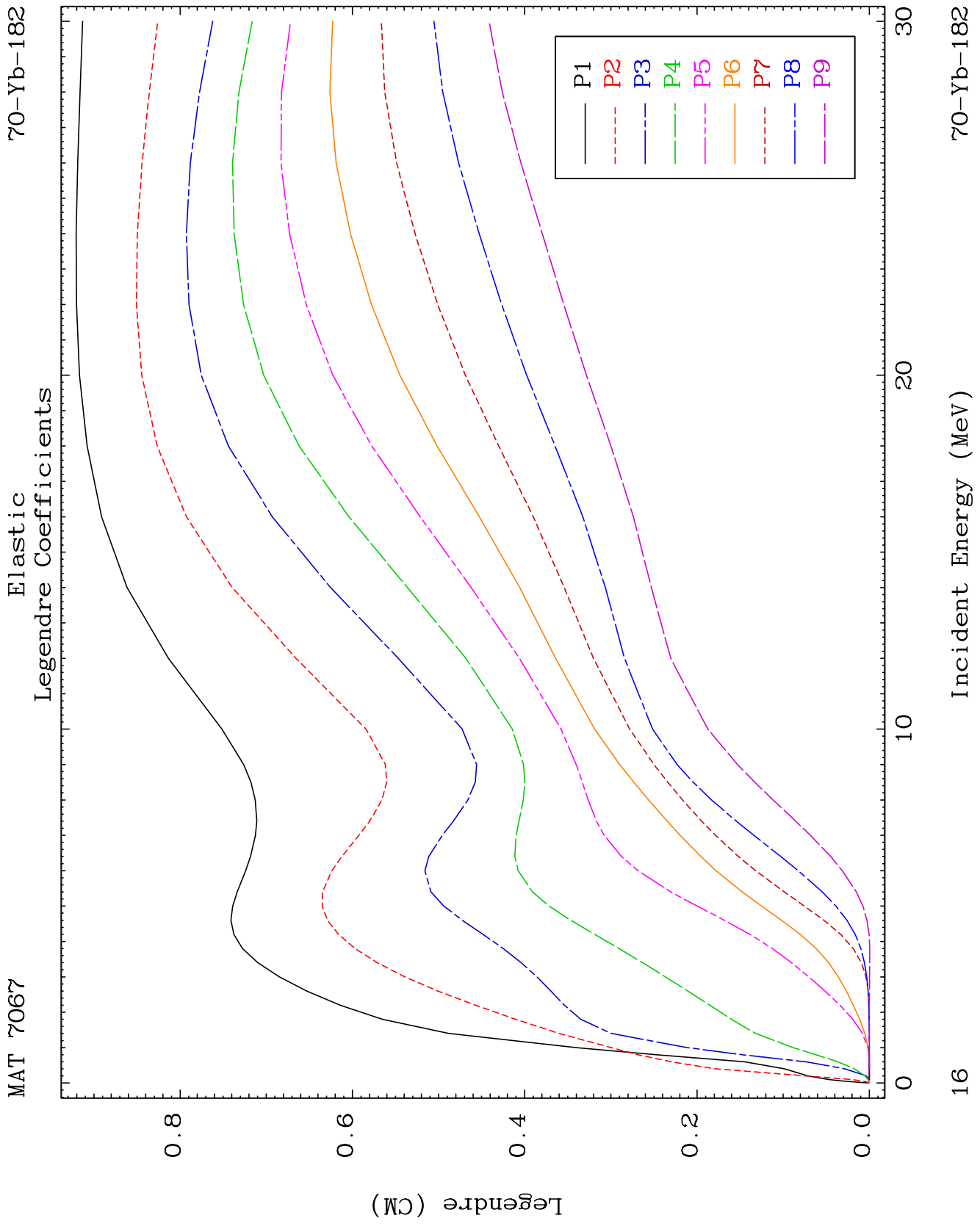
MAT 7067

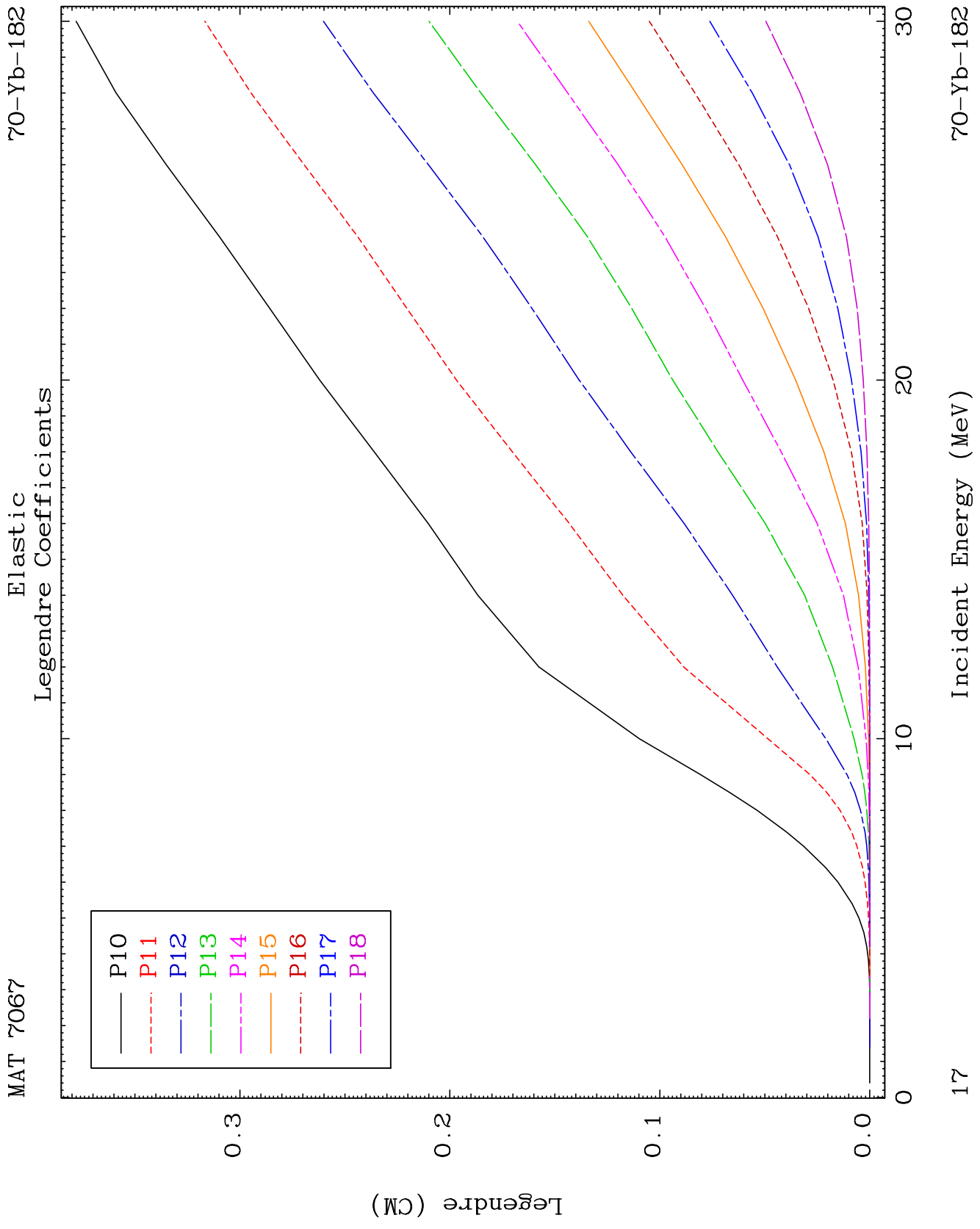
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-182



15

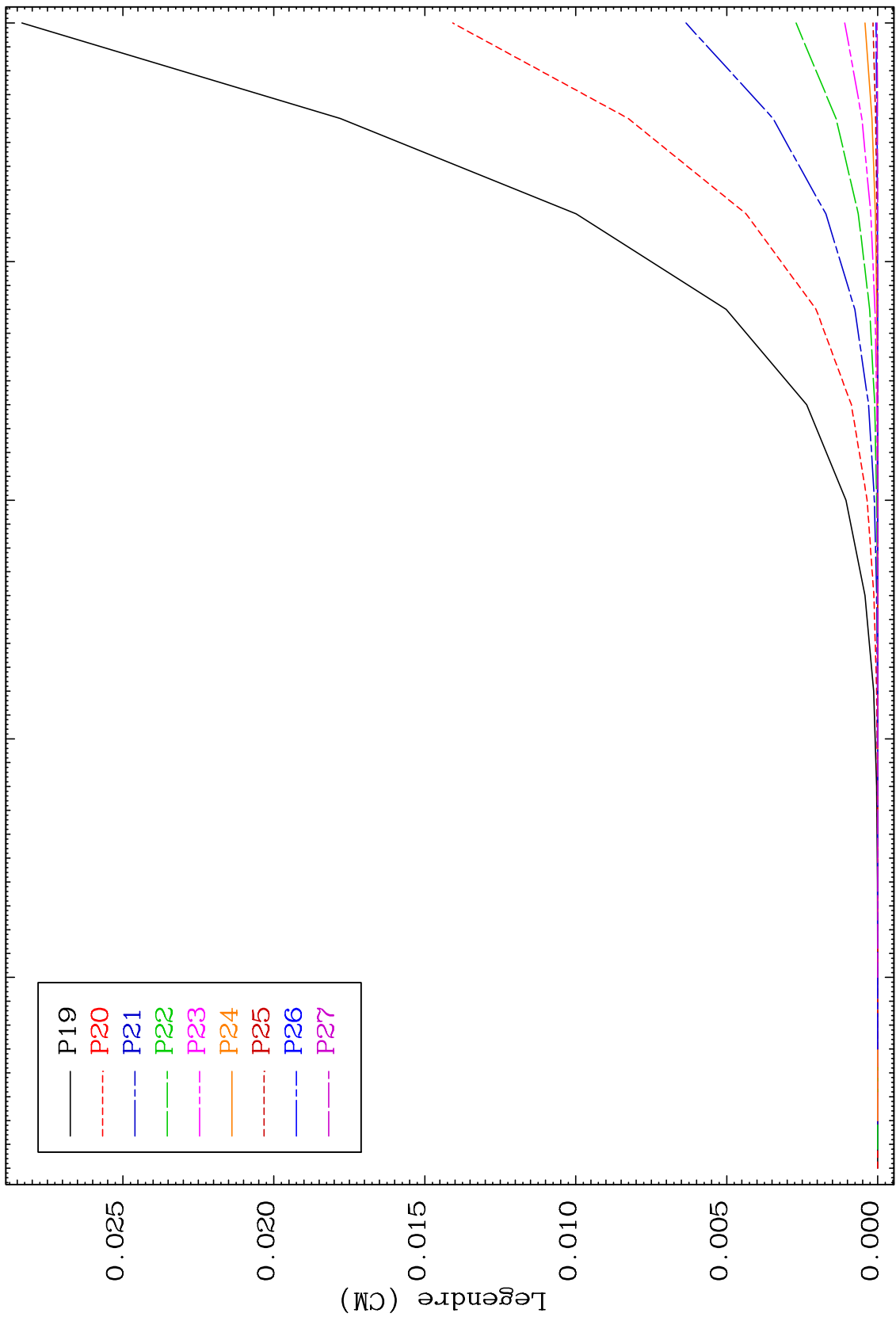




MAT 7067

Elastic Legendre Coefficients

70-Yb-182



18

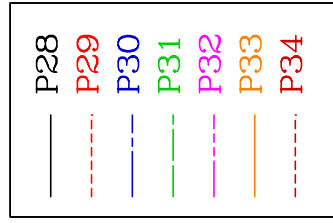
Incident Energy (MeV)

70-Yb-182

MAT 7067

Elastic
Legendre Coefficients

70-Yb-182



$\times 10^{-6}$

6

4

2

0

Legendre (CM)

15

20

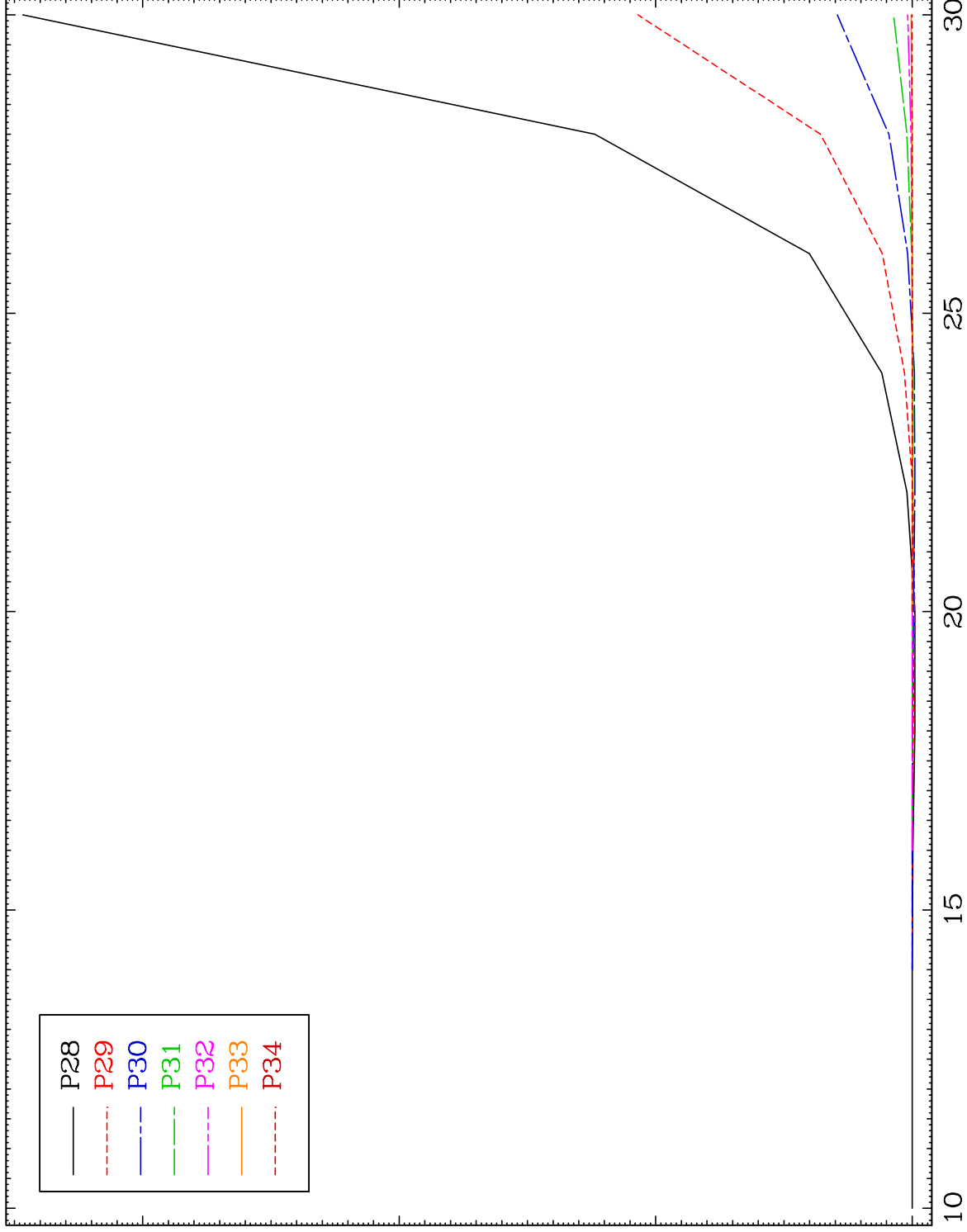
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30

19

Incident Energy (MeV)

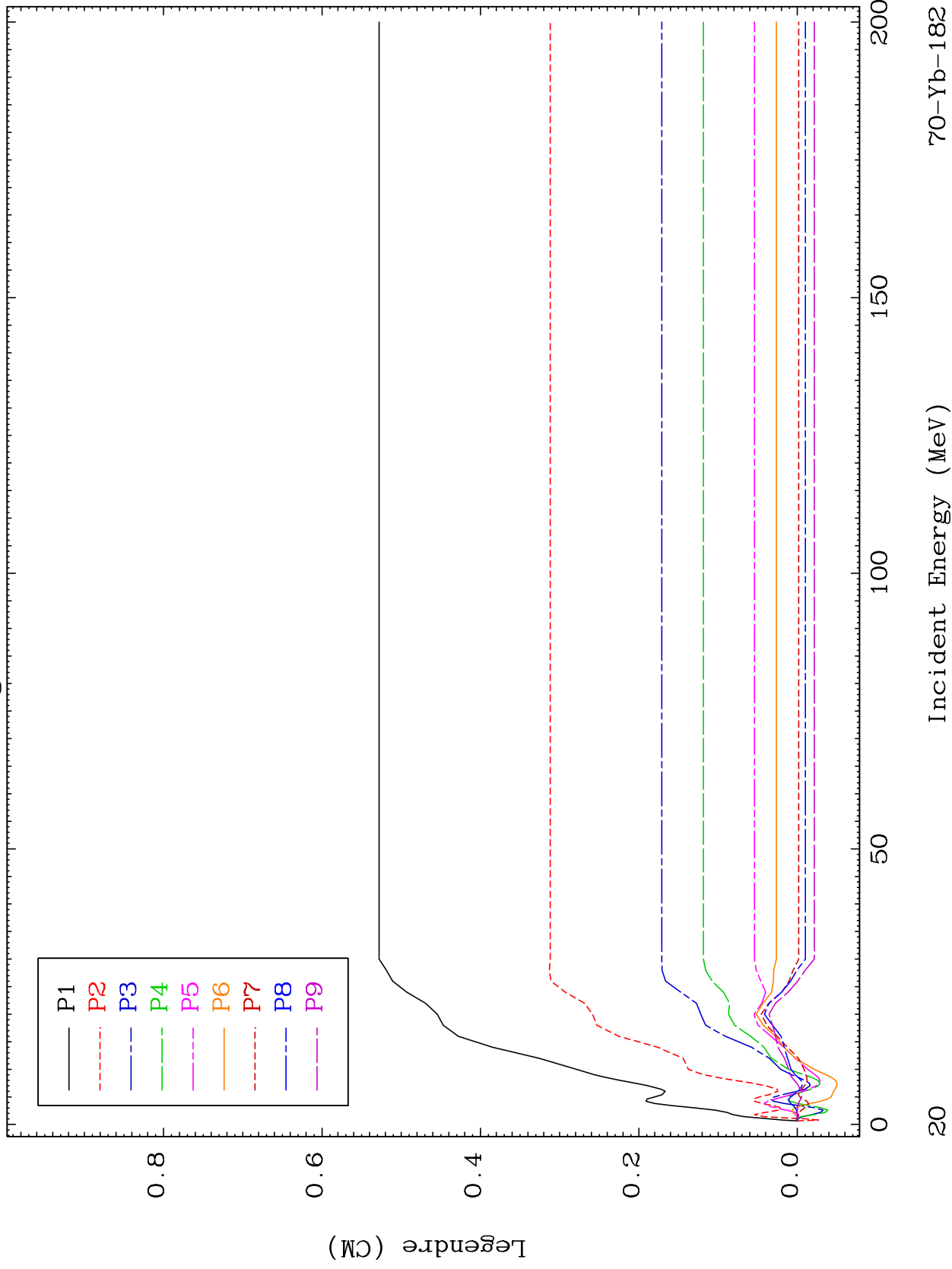
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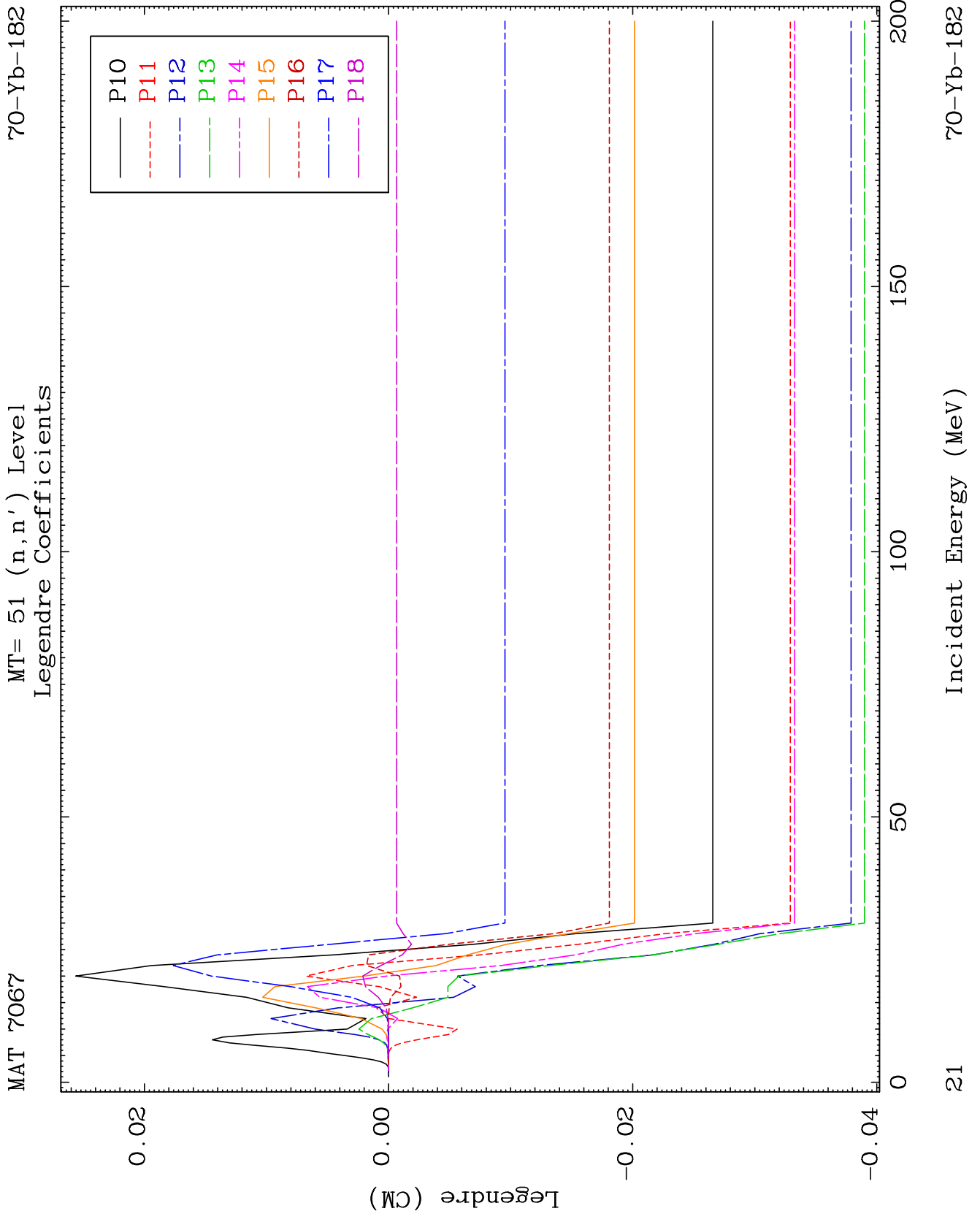


MAT 7067

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

70-Yb-182

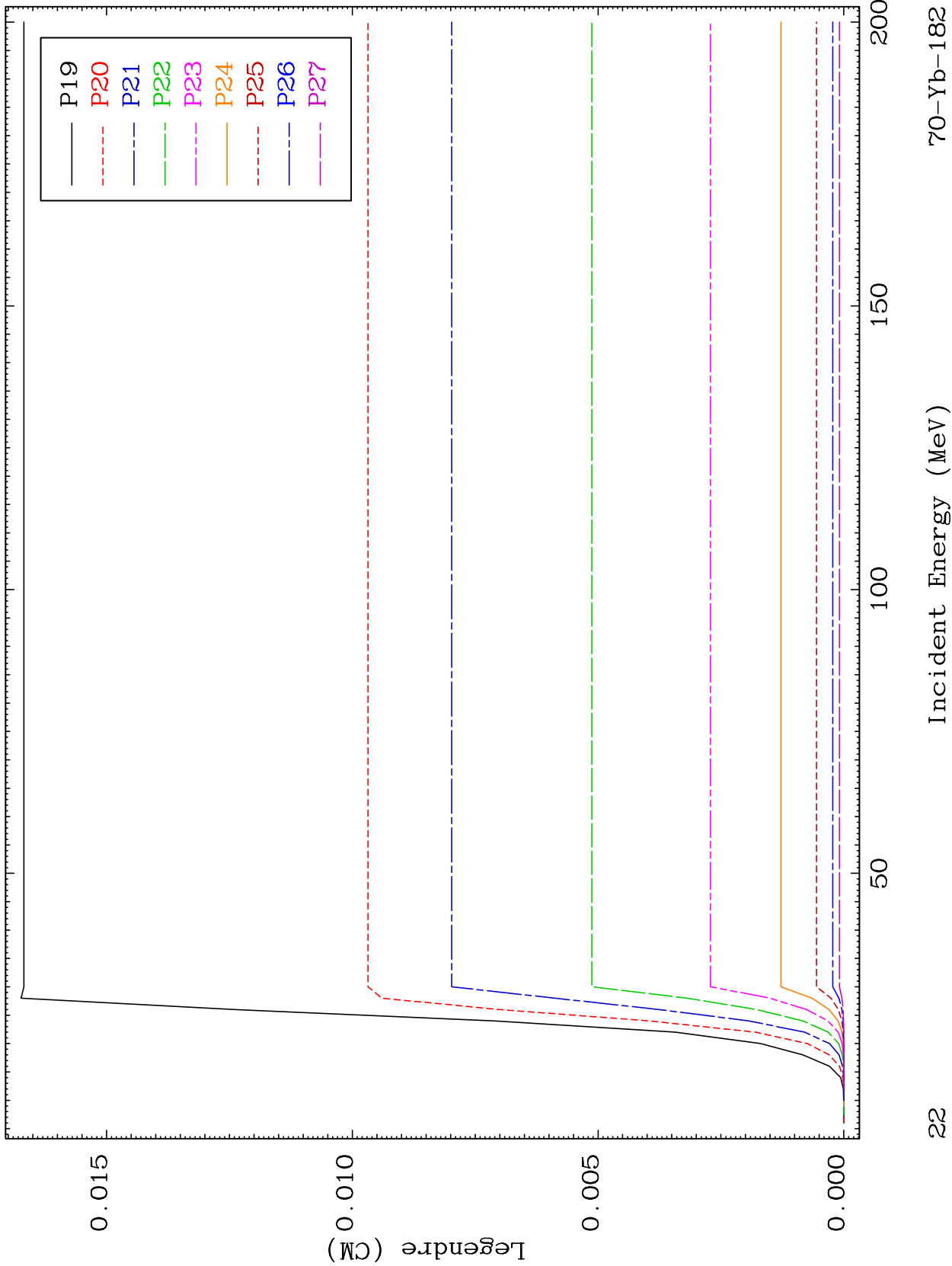




MAT 7067

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

70-Yb-182



22

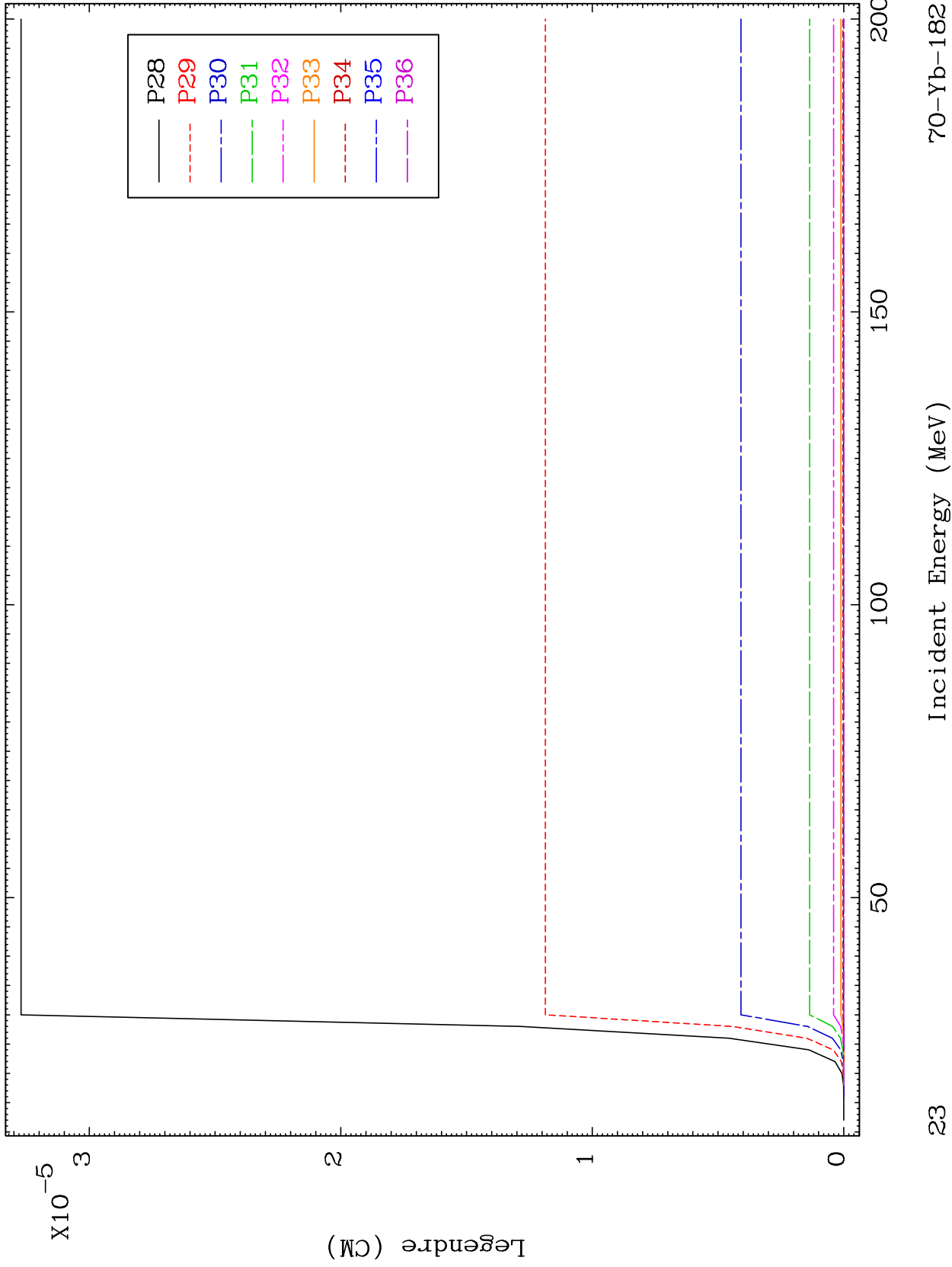
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182

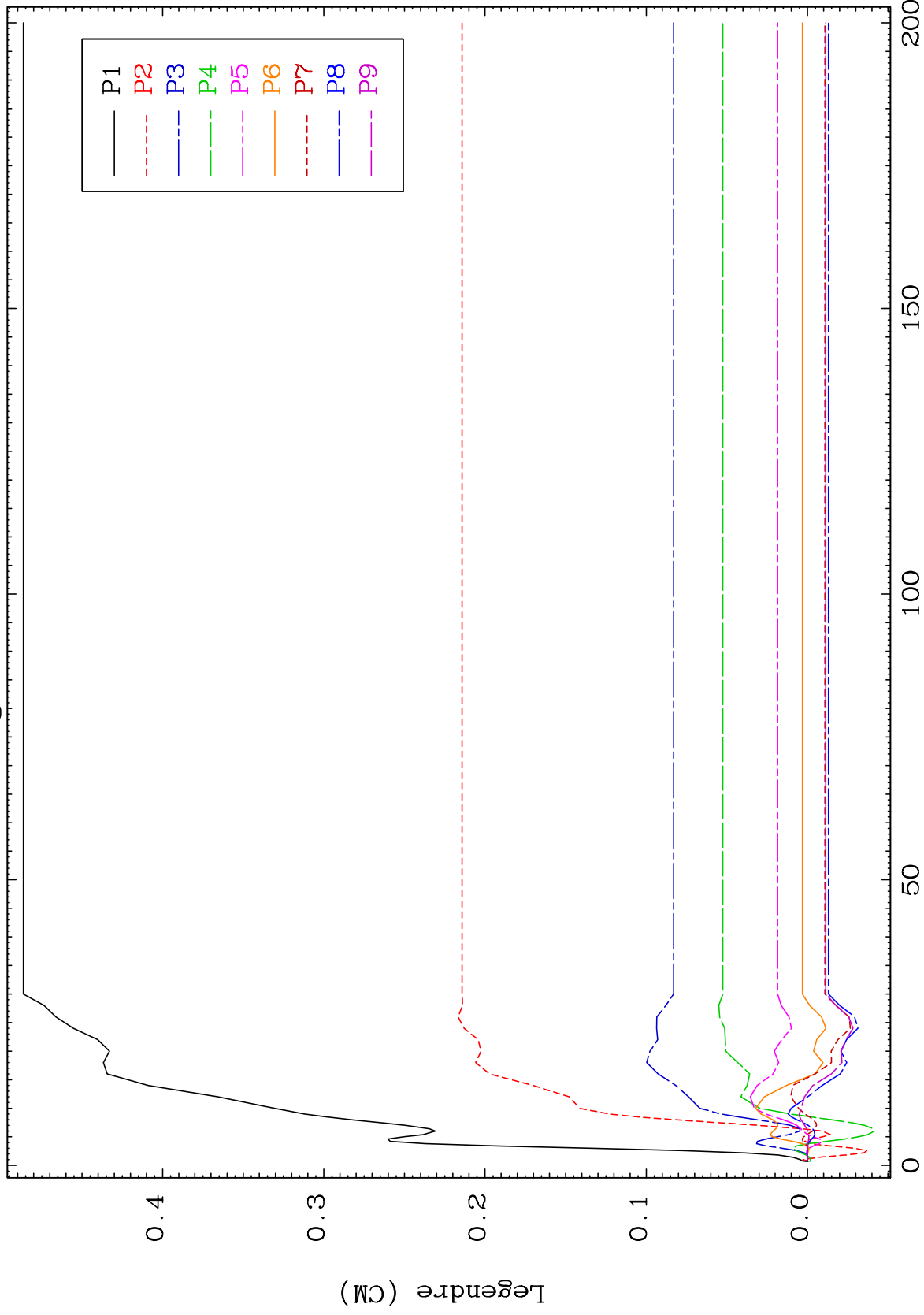


23

MAT 7067

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

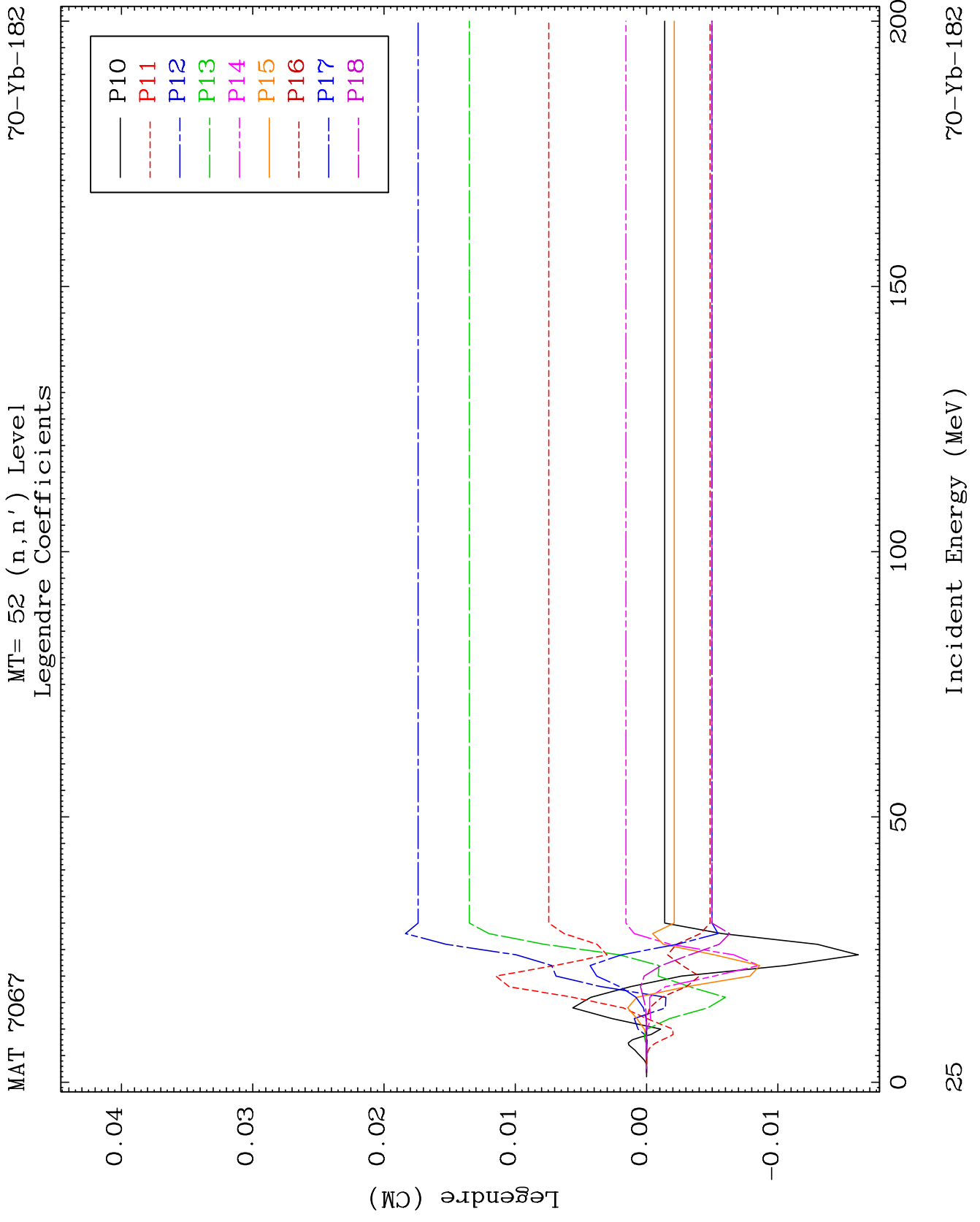
70-Yb-182



24

Incident Energy (MeV)

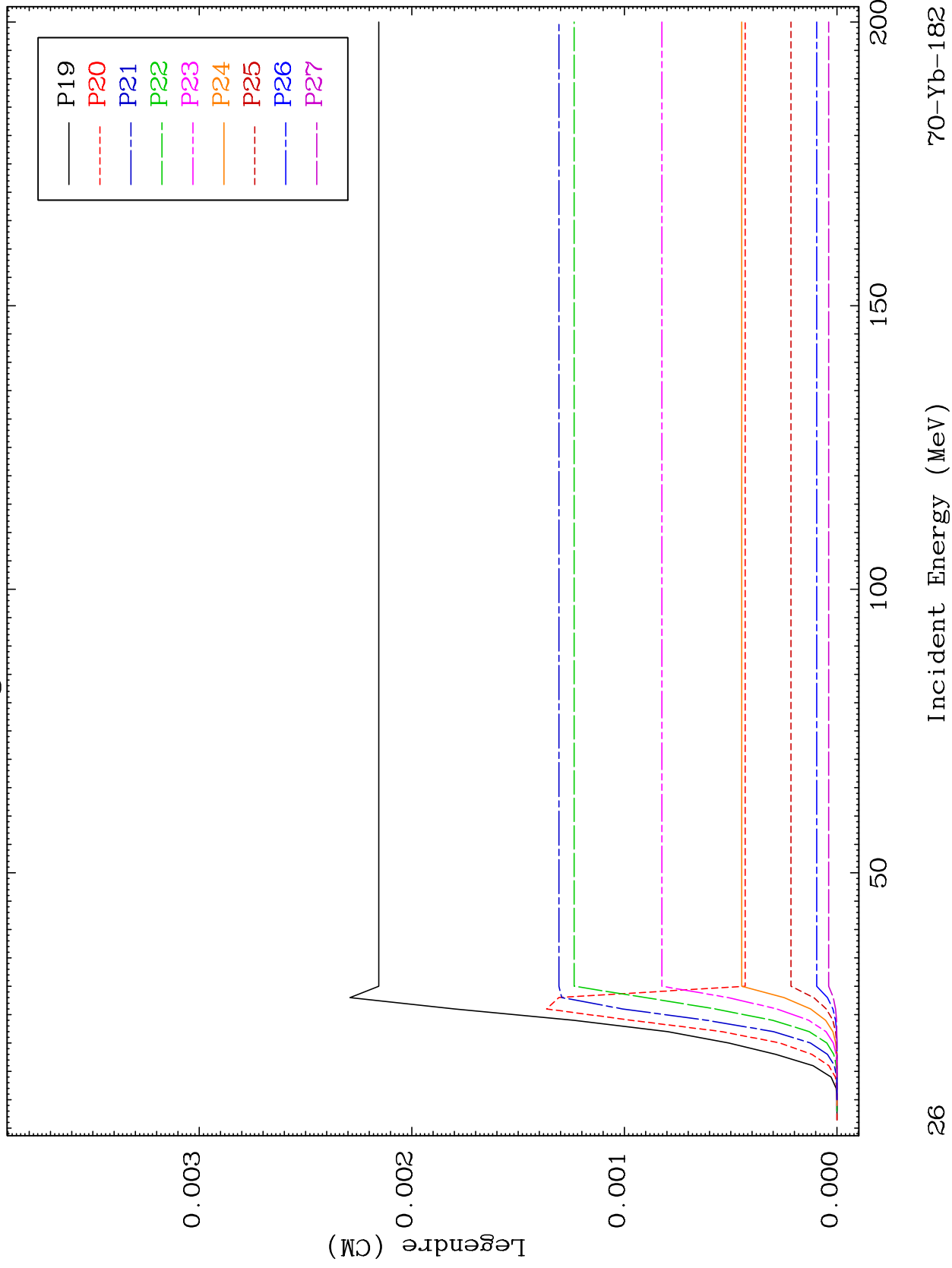
70-Yb-182



MAT 7067

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

70-Yb-182



26

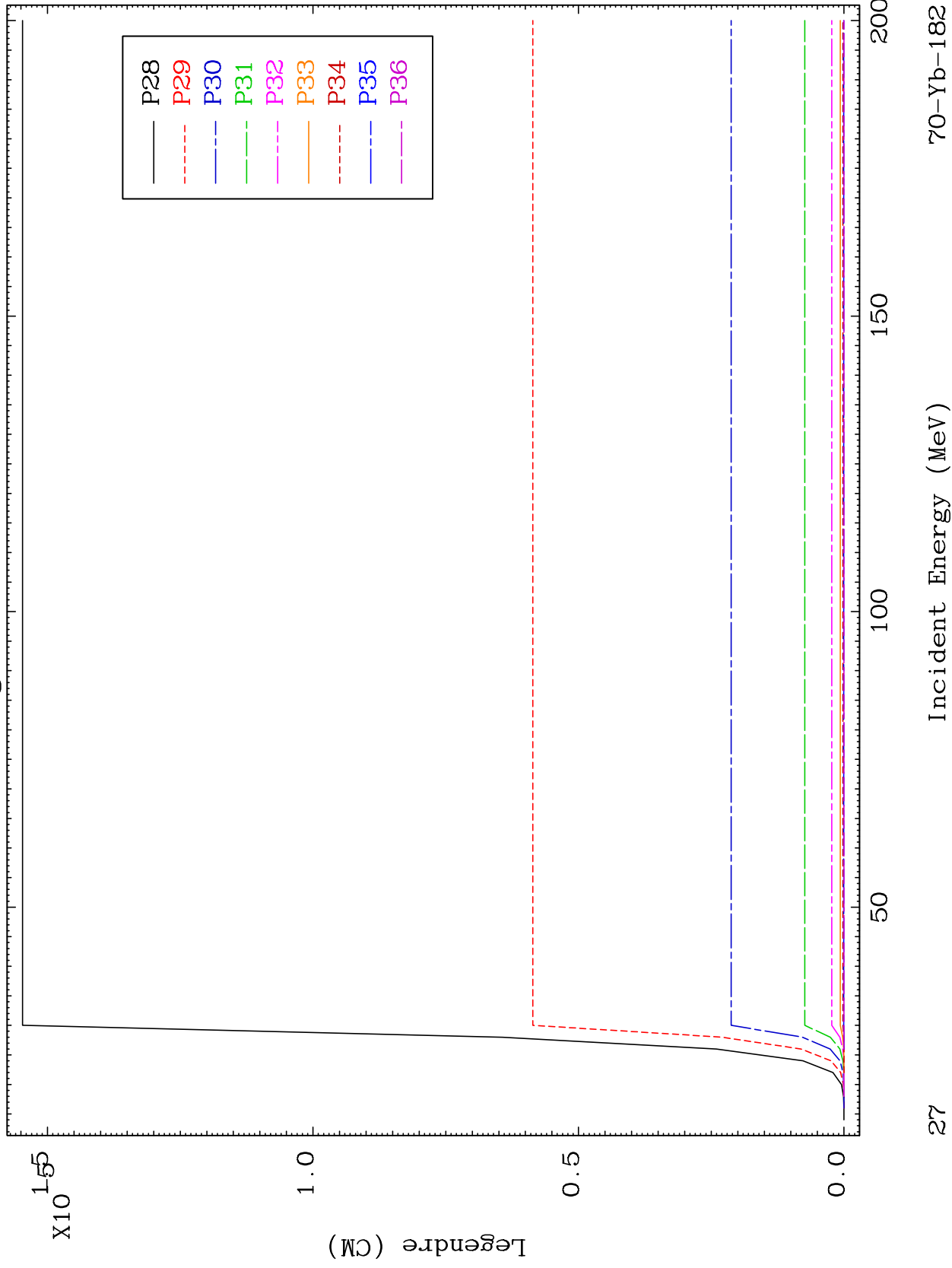
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



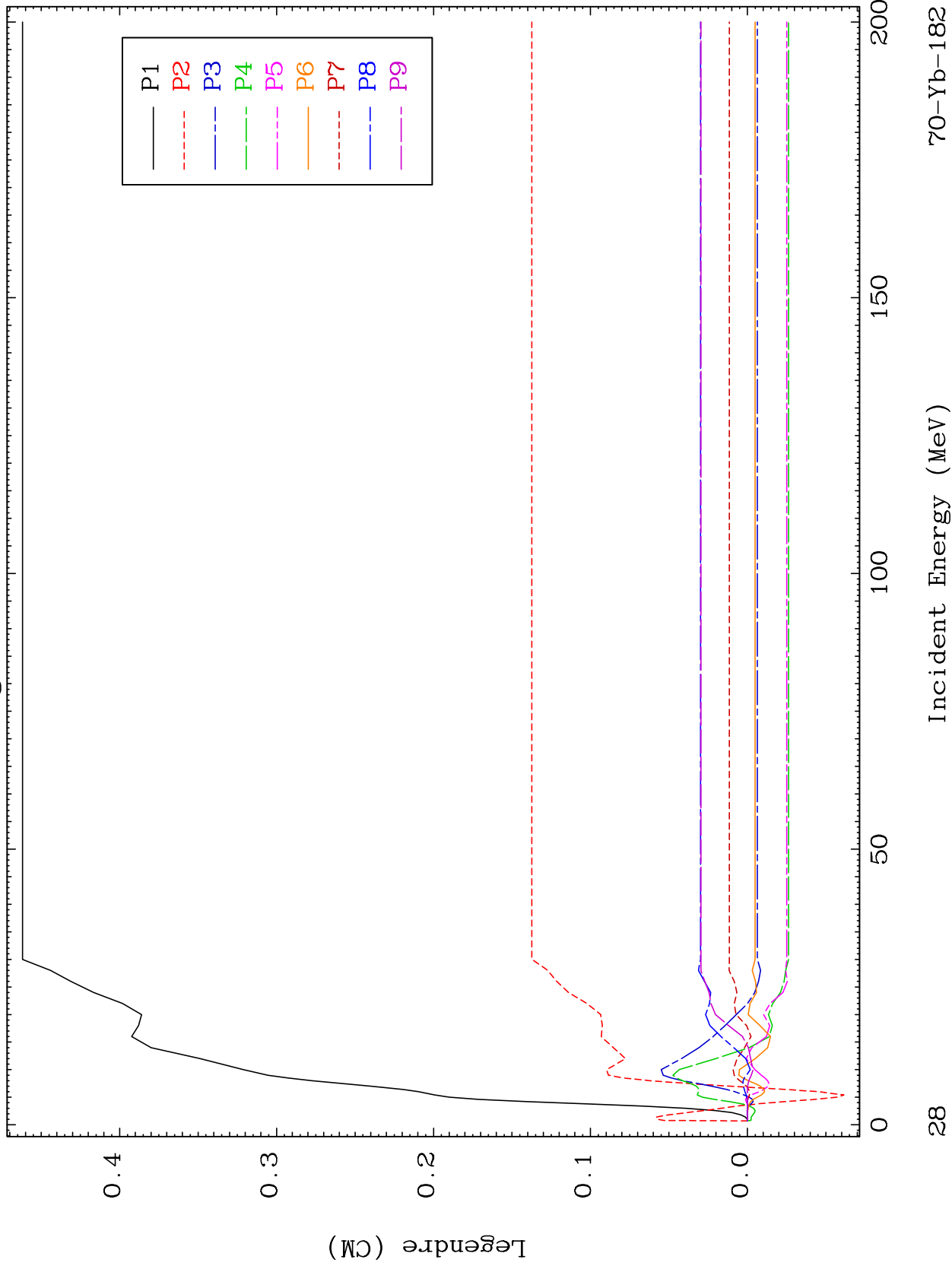
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70-Yb-182

MAT 7067

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

70-Yb-182



70-Yb-182

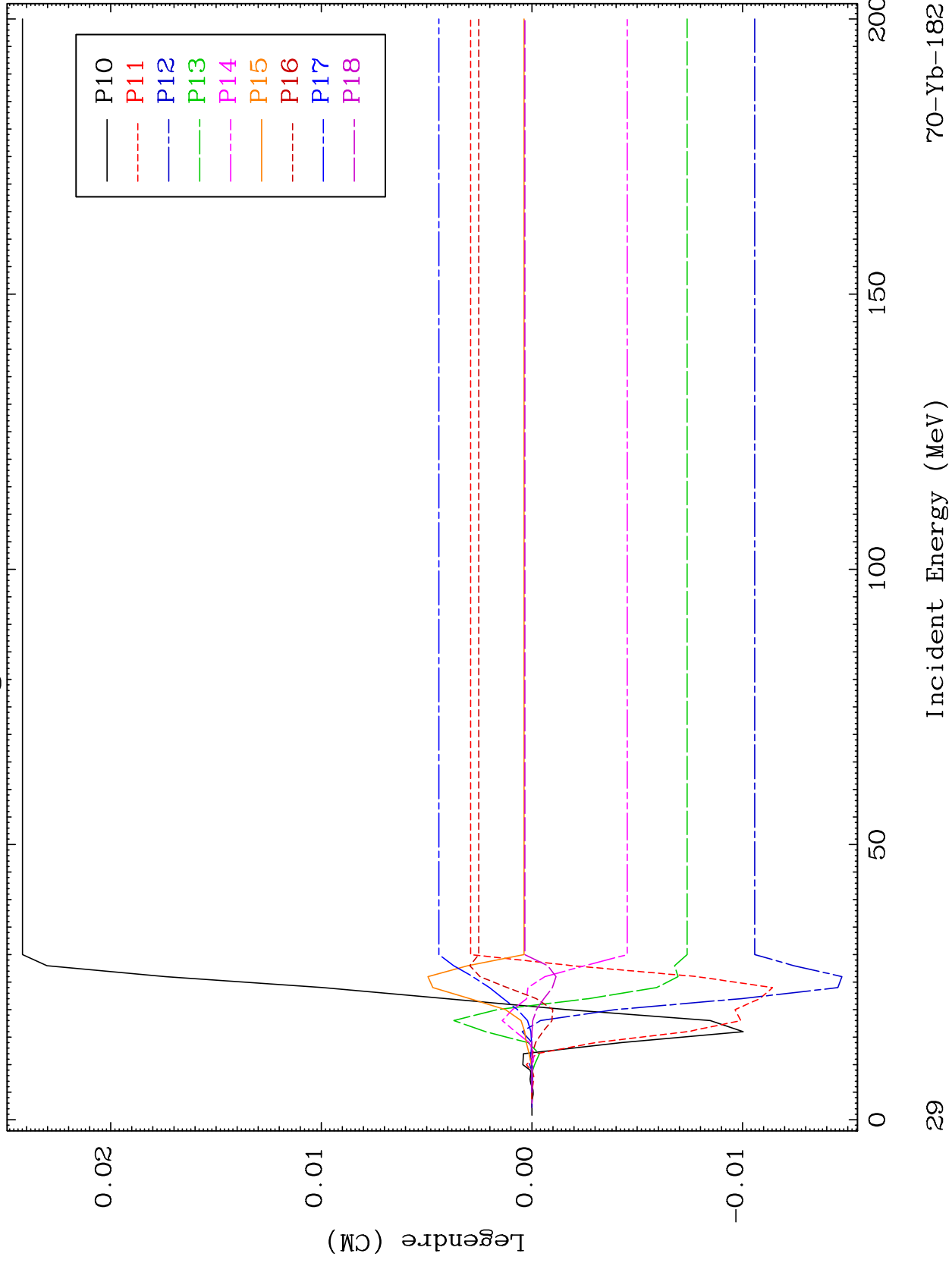
Incident Energy (MeV)

28

MAT 7067

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

70-Yb-182



29

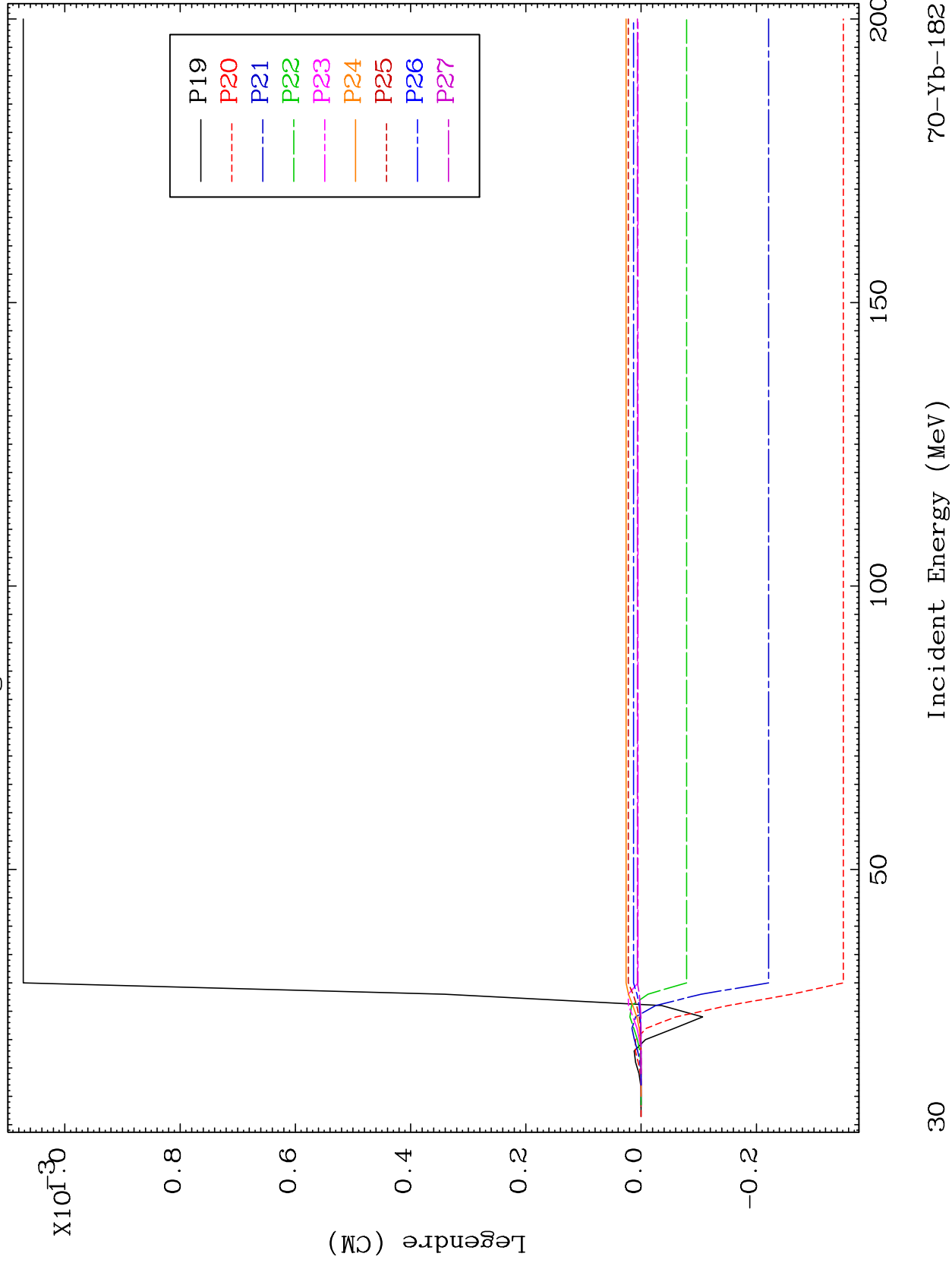
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



30

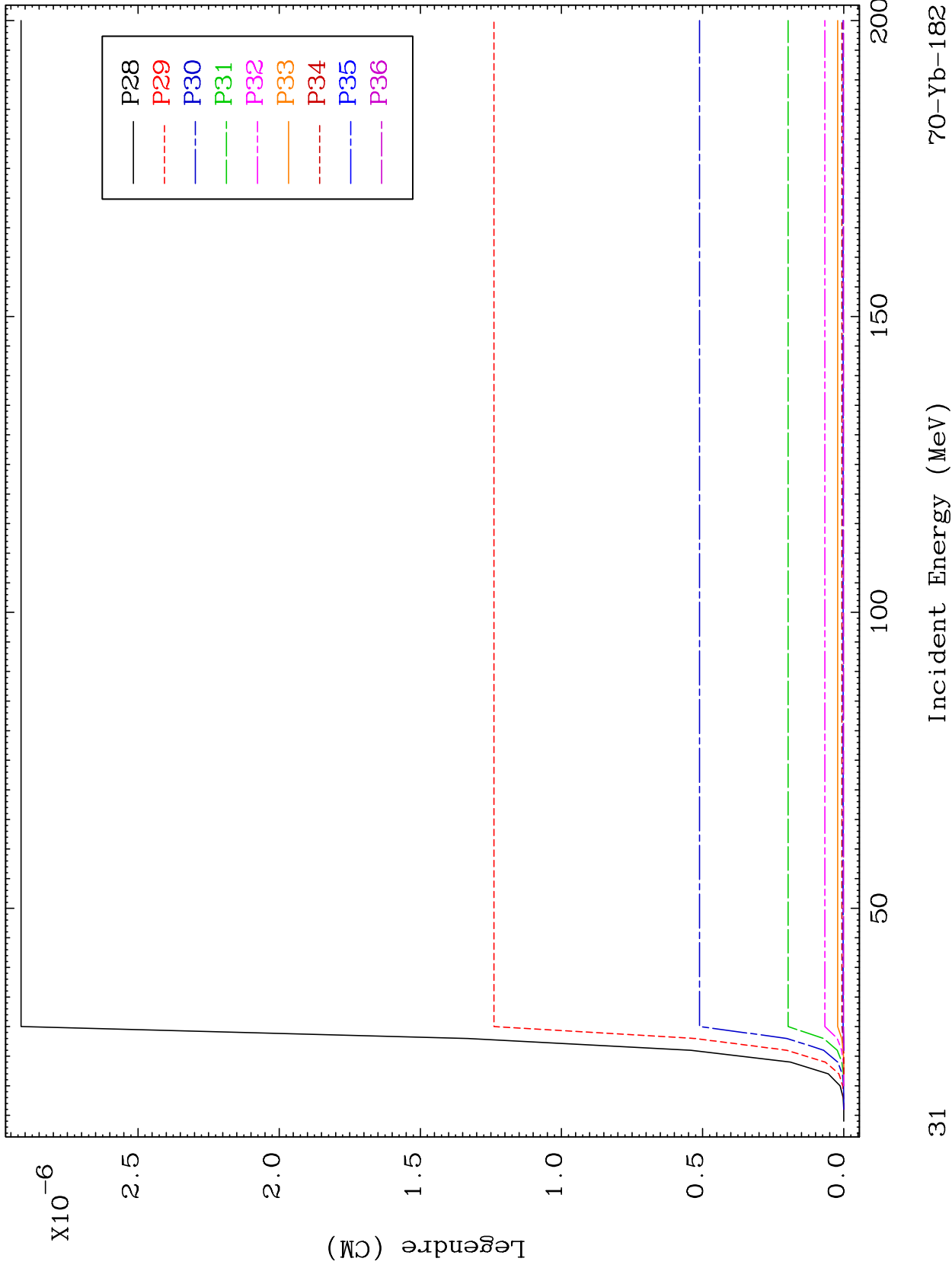
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182

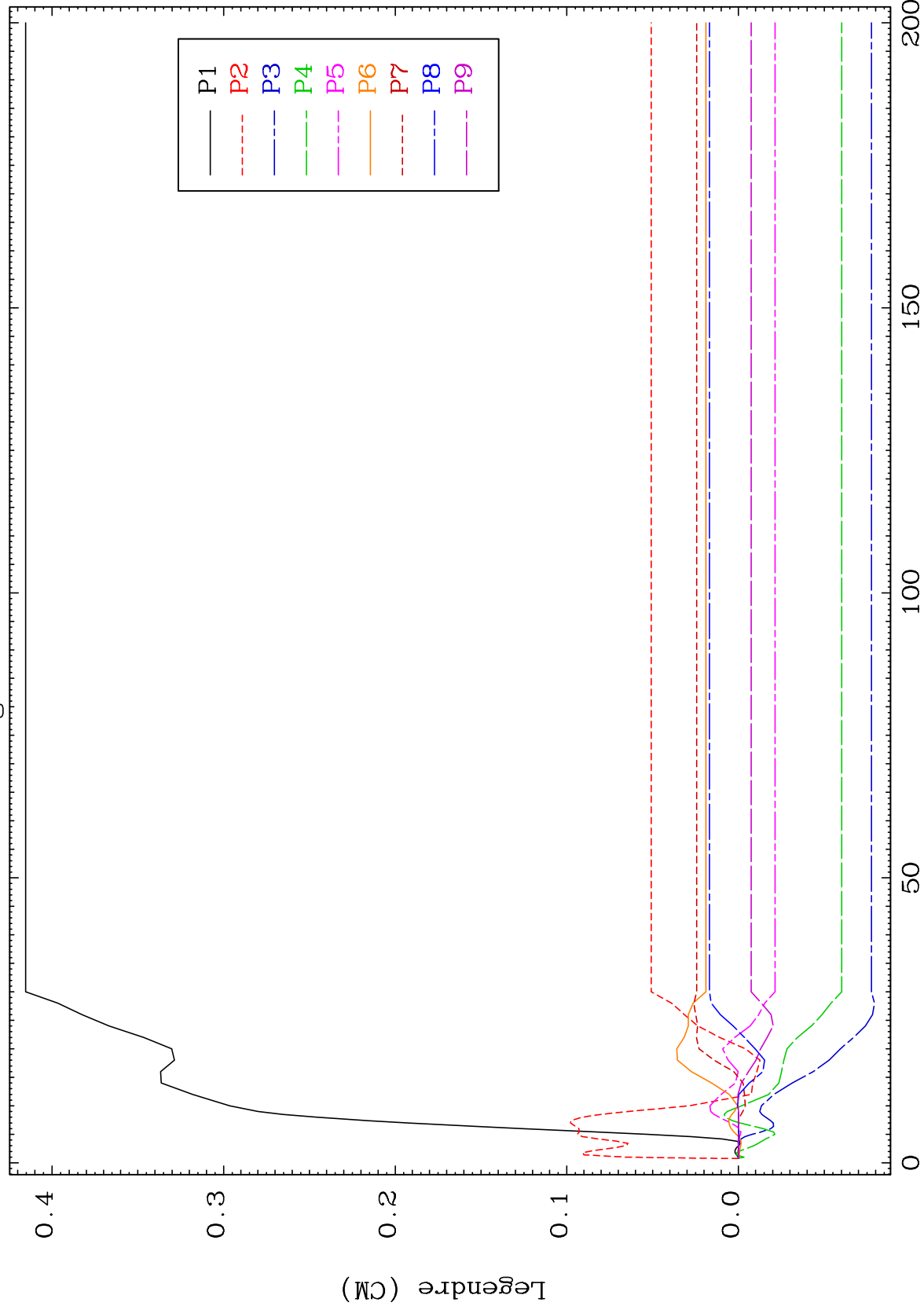


31

MAT 7067

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

70-Yb-182



32

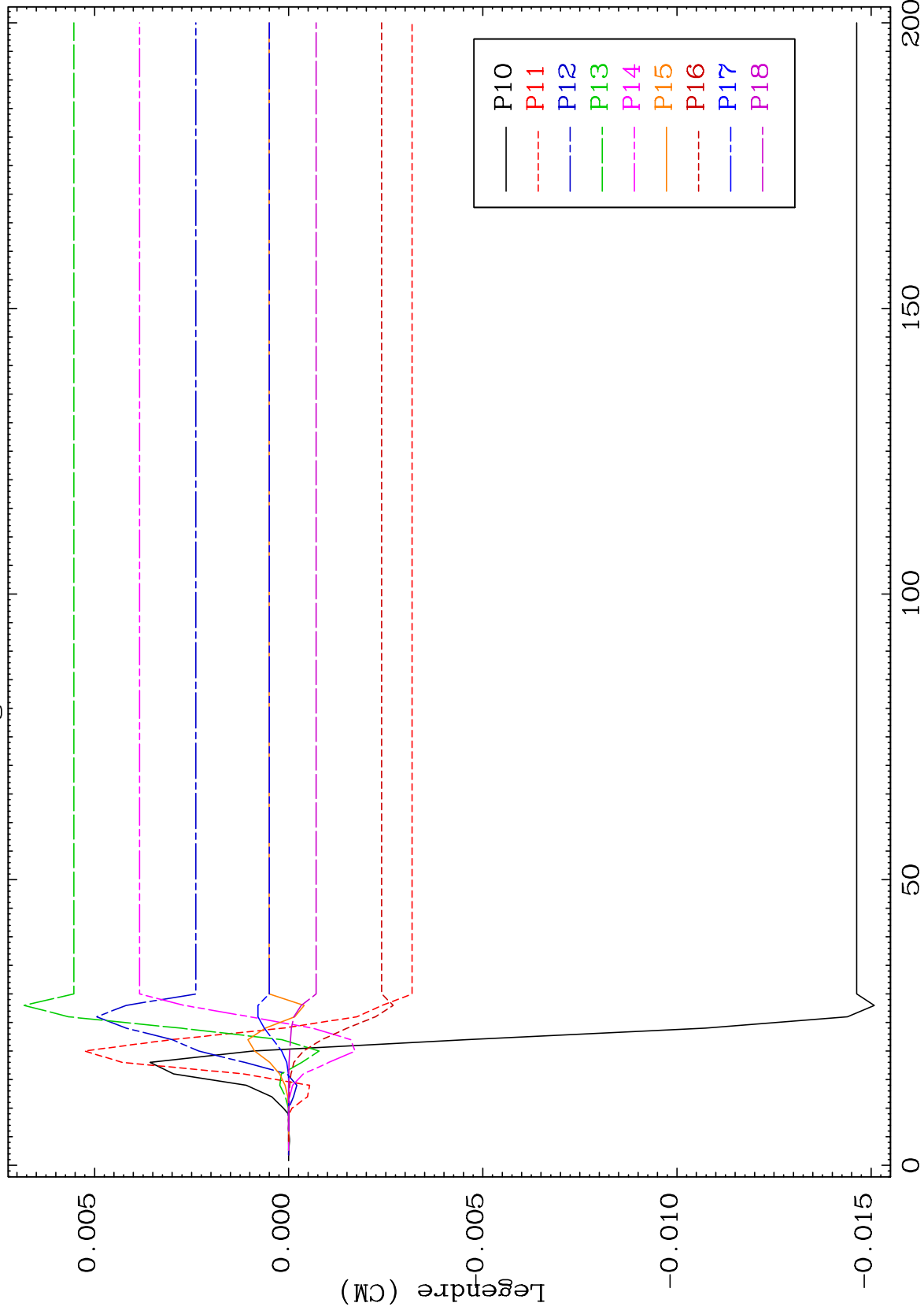
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



33

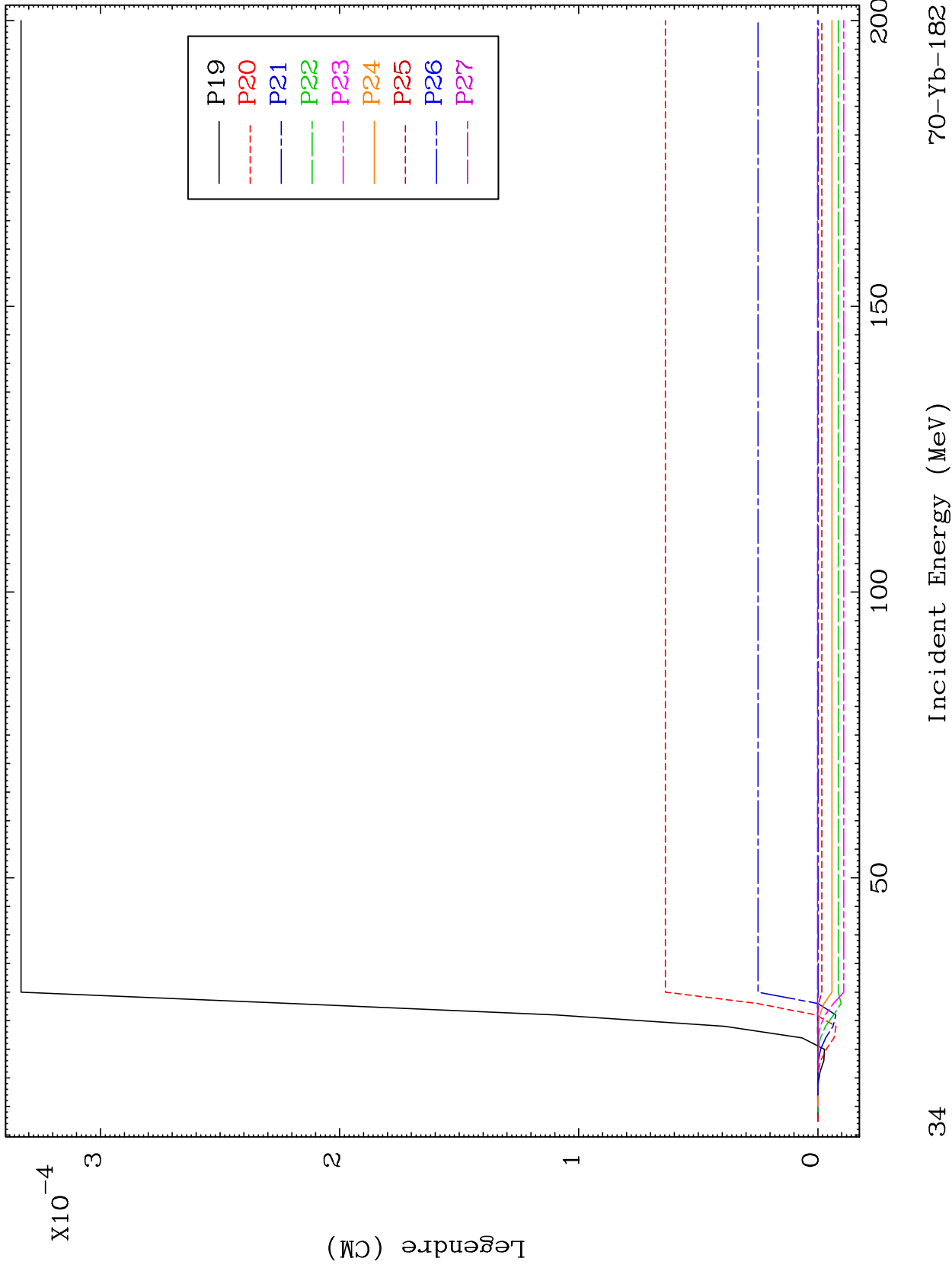
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

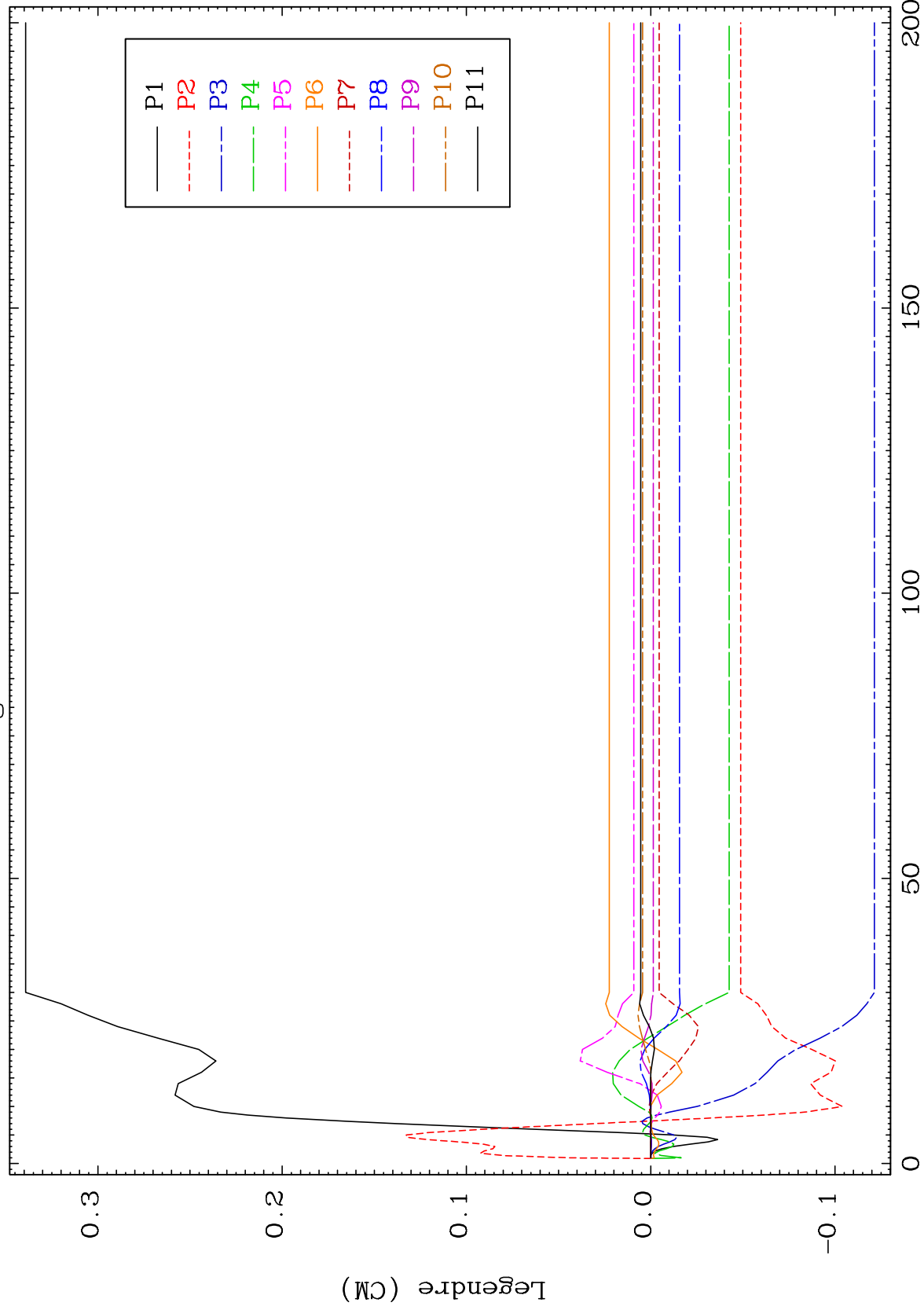
70-Yb-182



MAT 7067

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

70-Yb-182



36

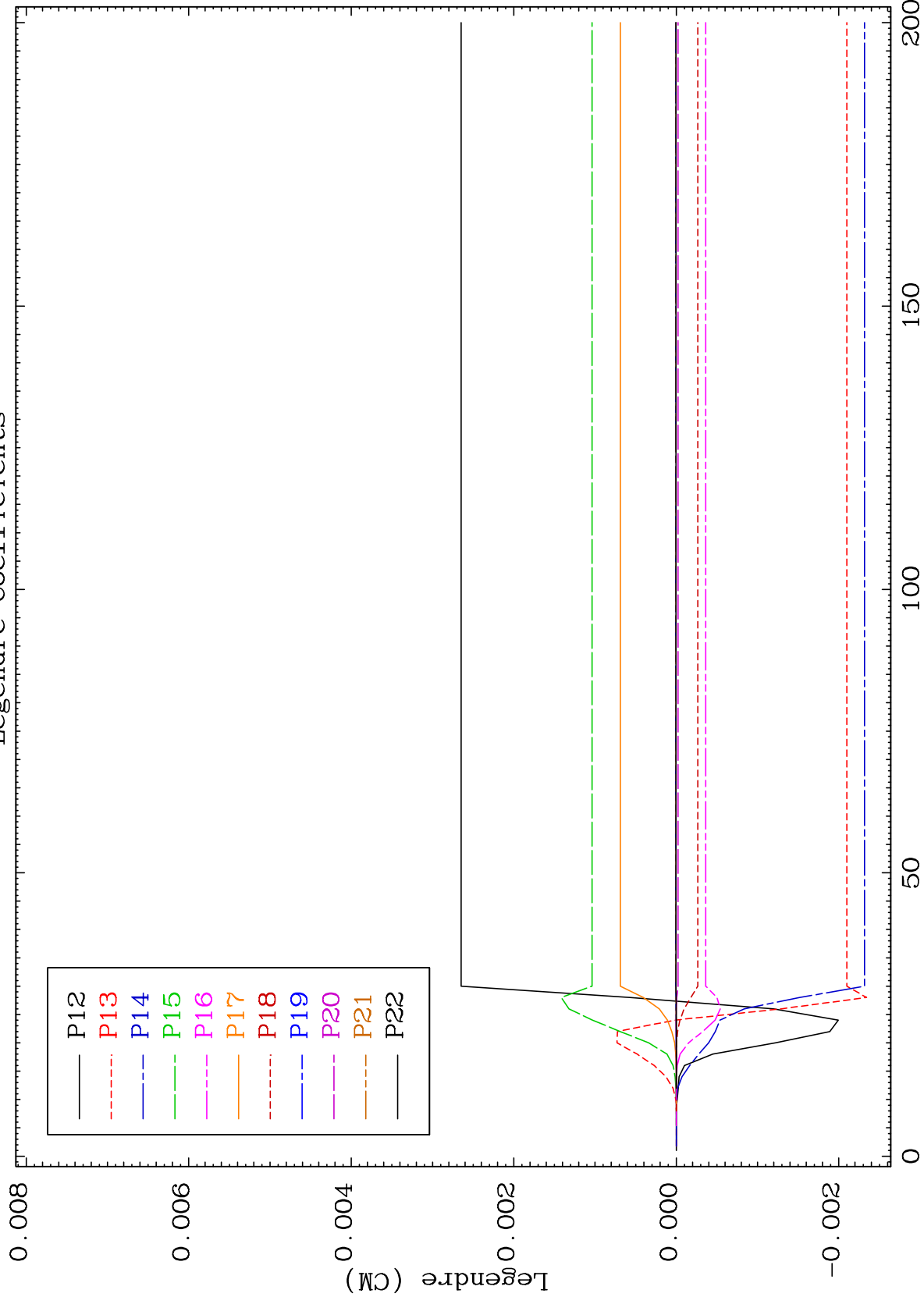
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



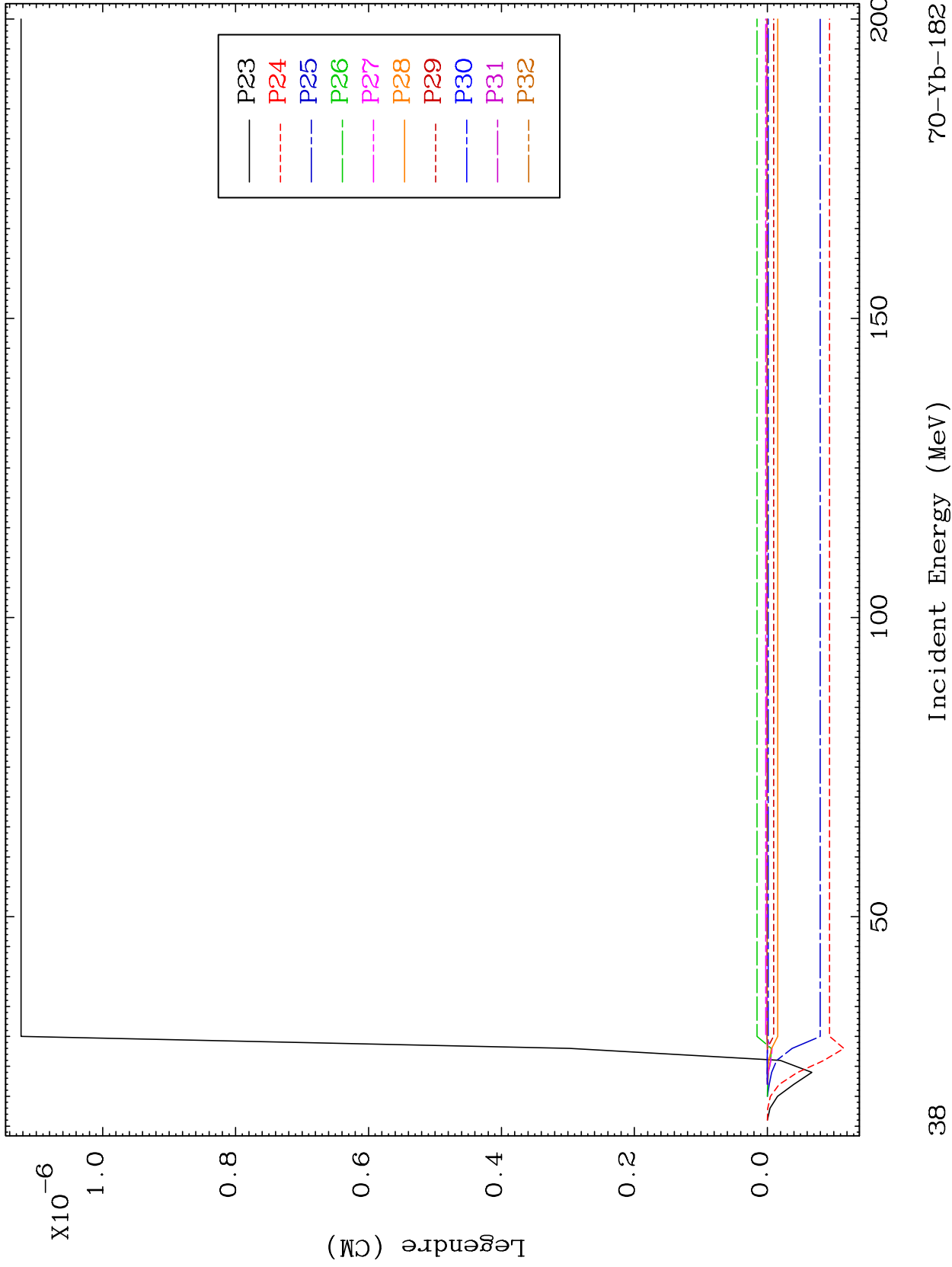
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70-Yb-182

MAT 7067

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

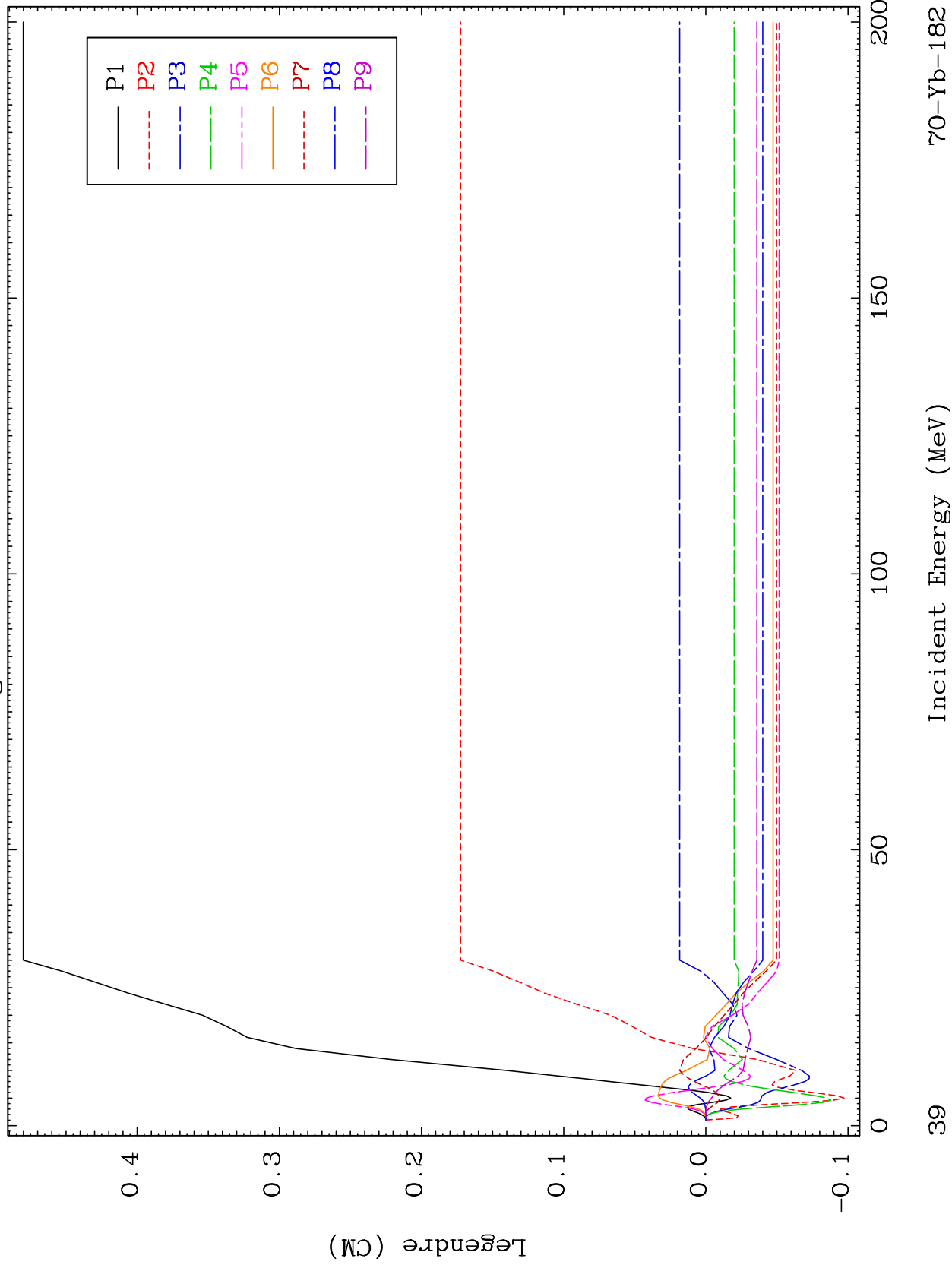
70-Yb-182



MAT 7067

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

70-Yb-182



70-Yb-182

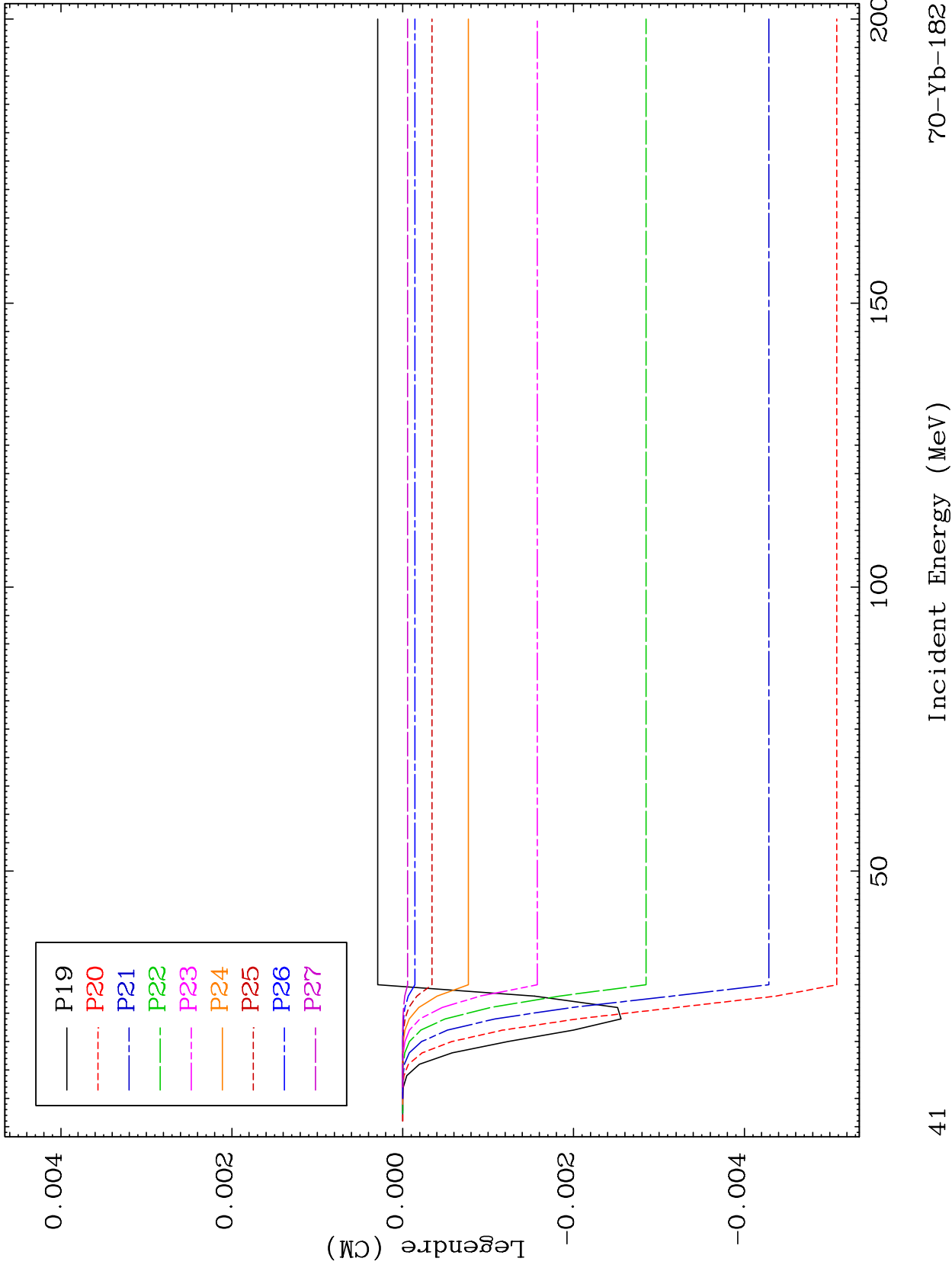
Incident Energy (MeV)

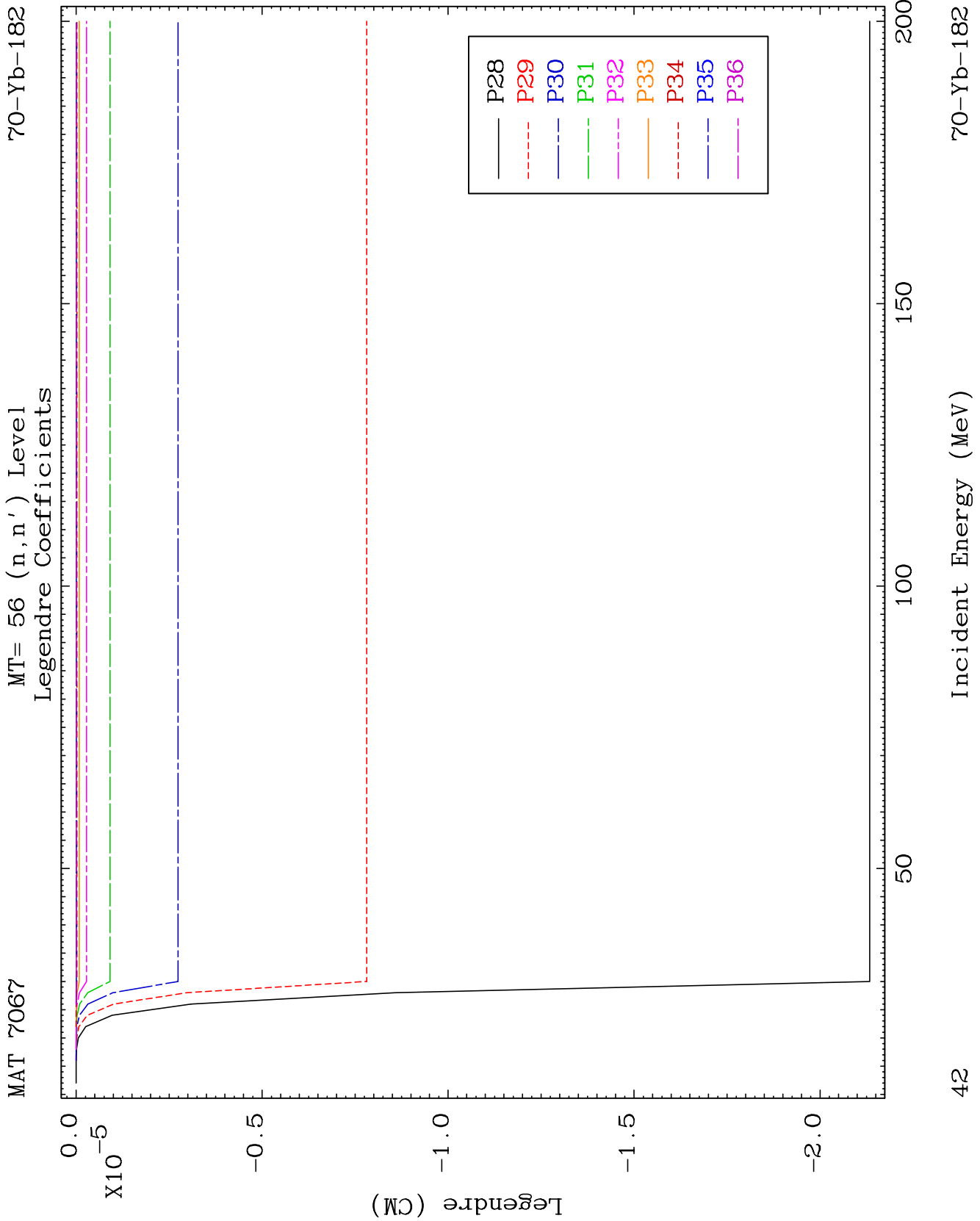
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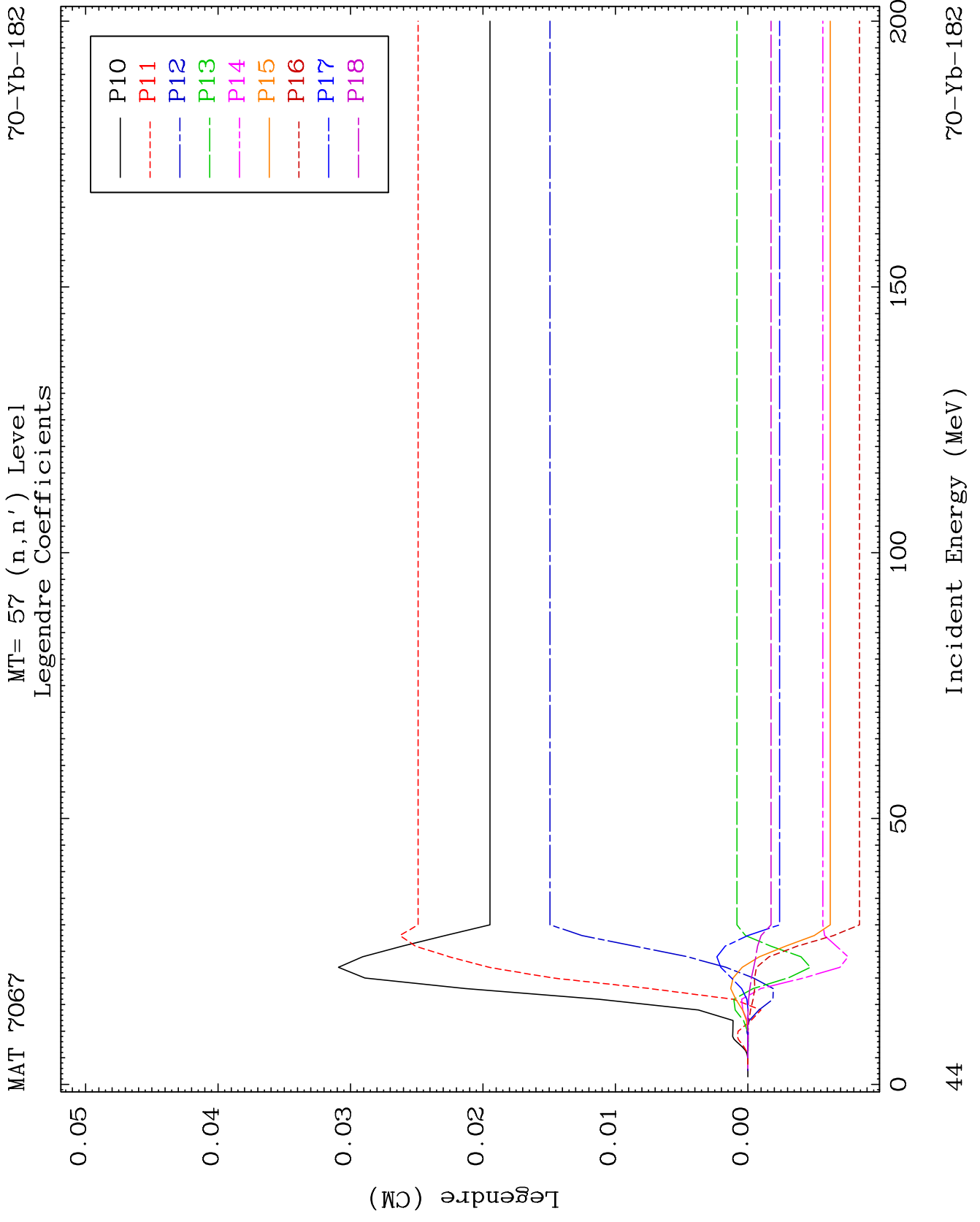
MAT 7067

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

70-Yb-182



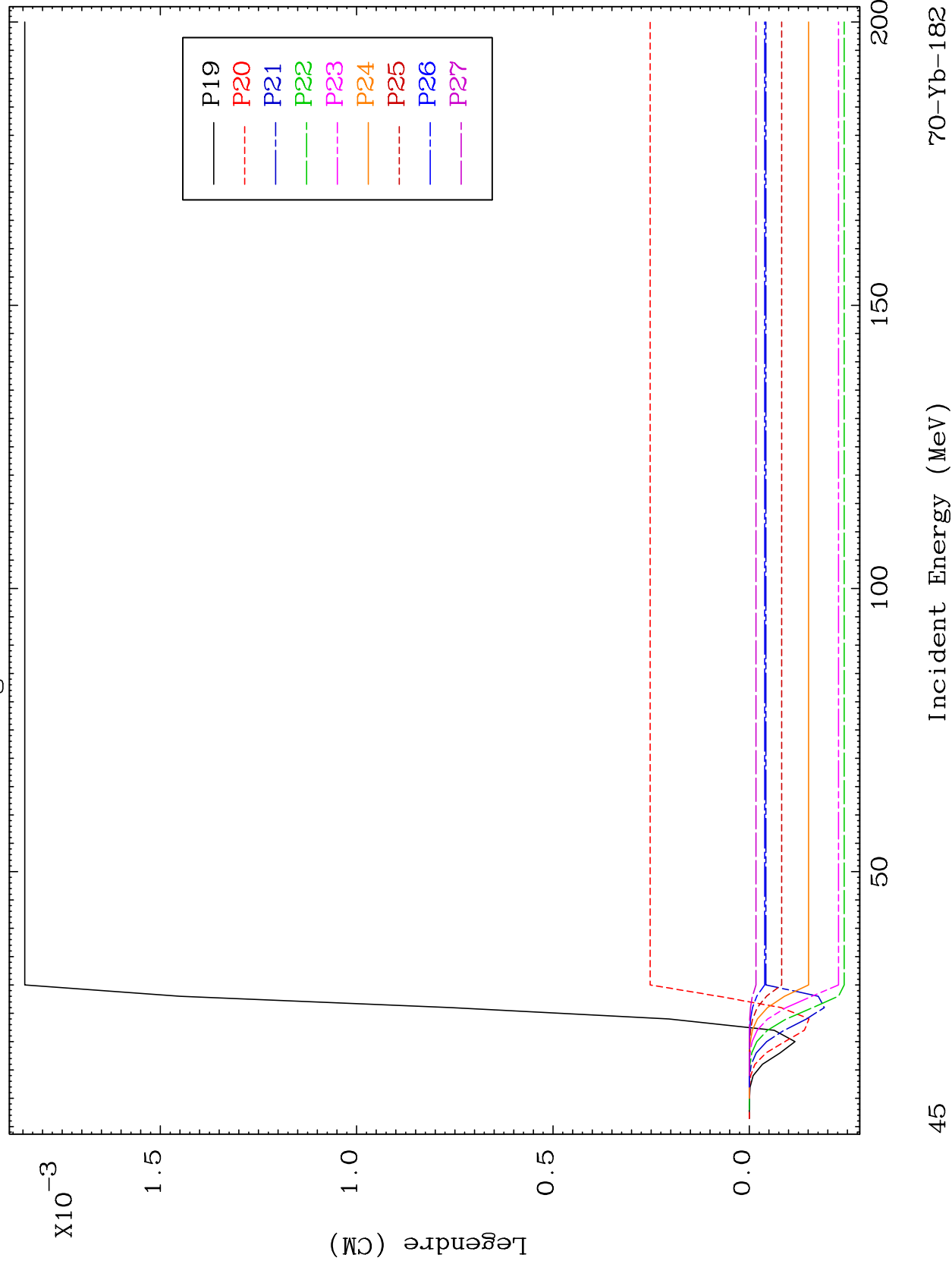




MAT 7067

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

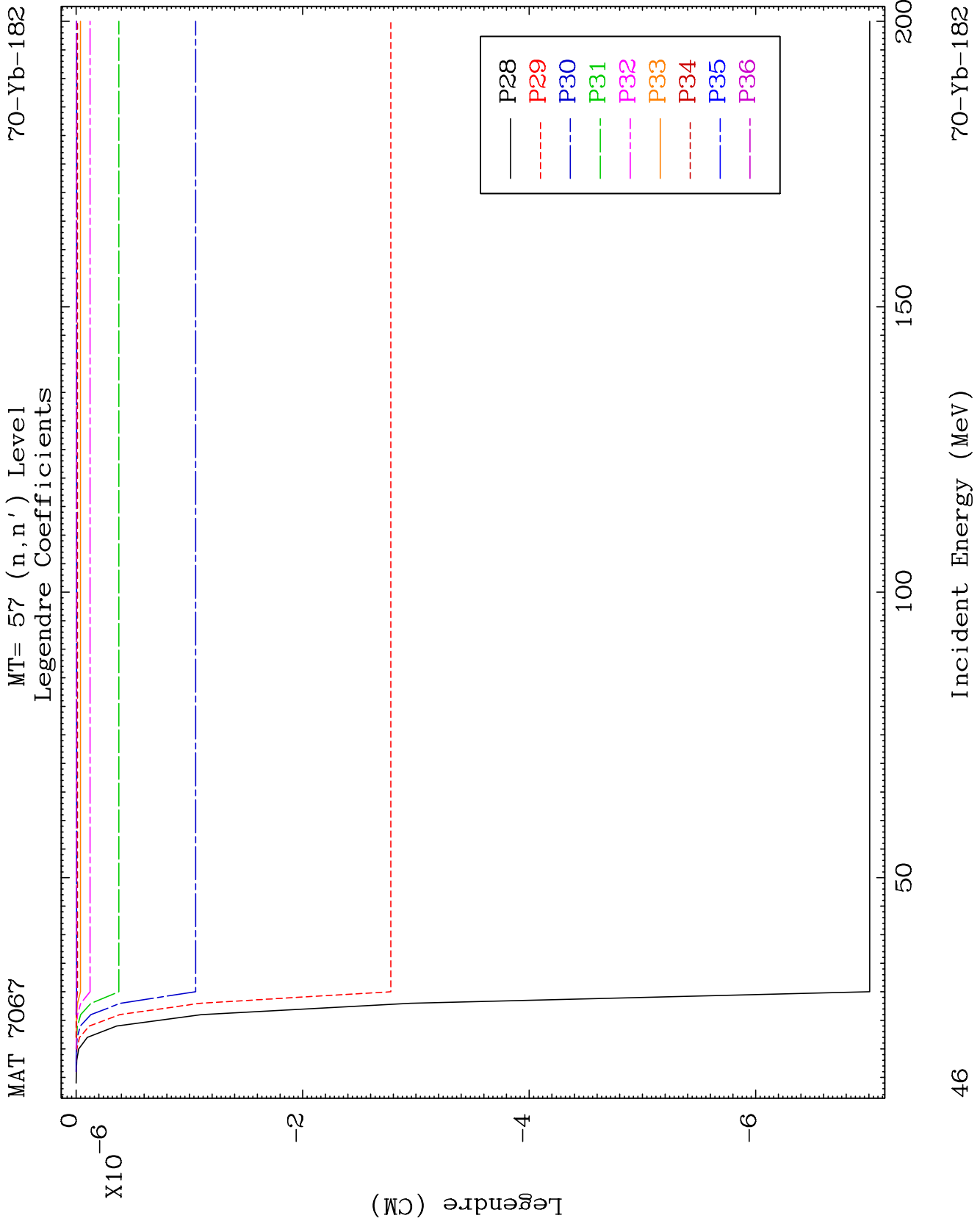
70-Yb-182



45

Incident Energy (MeV)

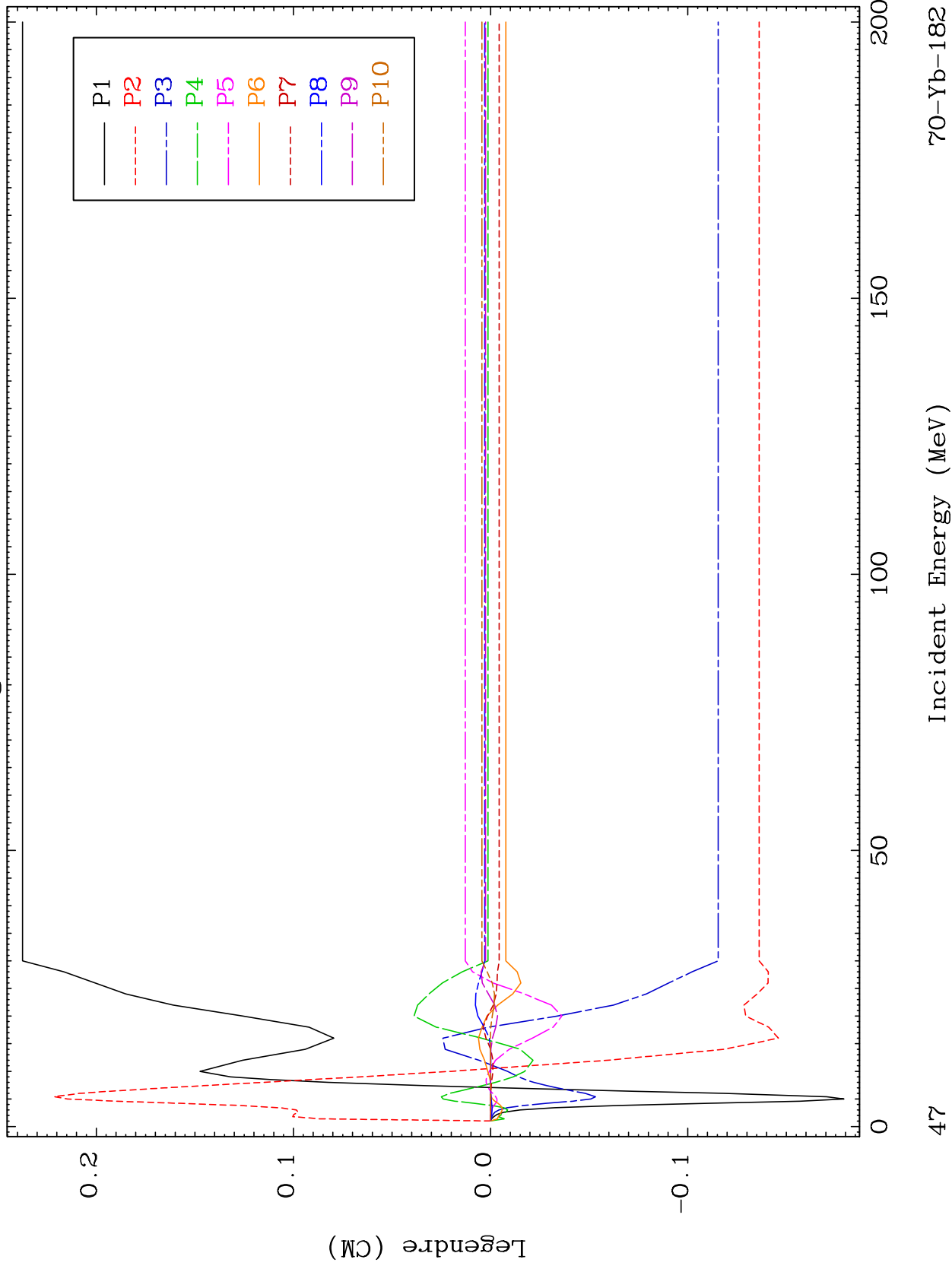
70-Yb-182



MAT 7067

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

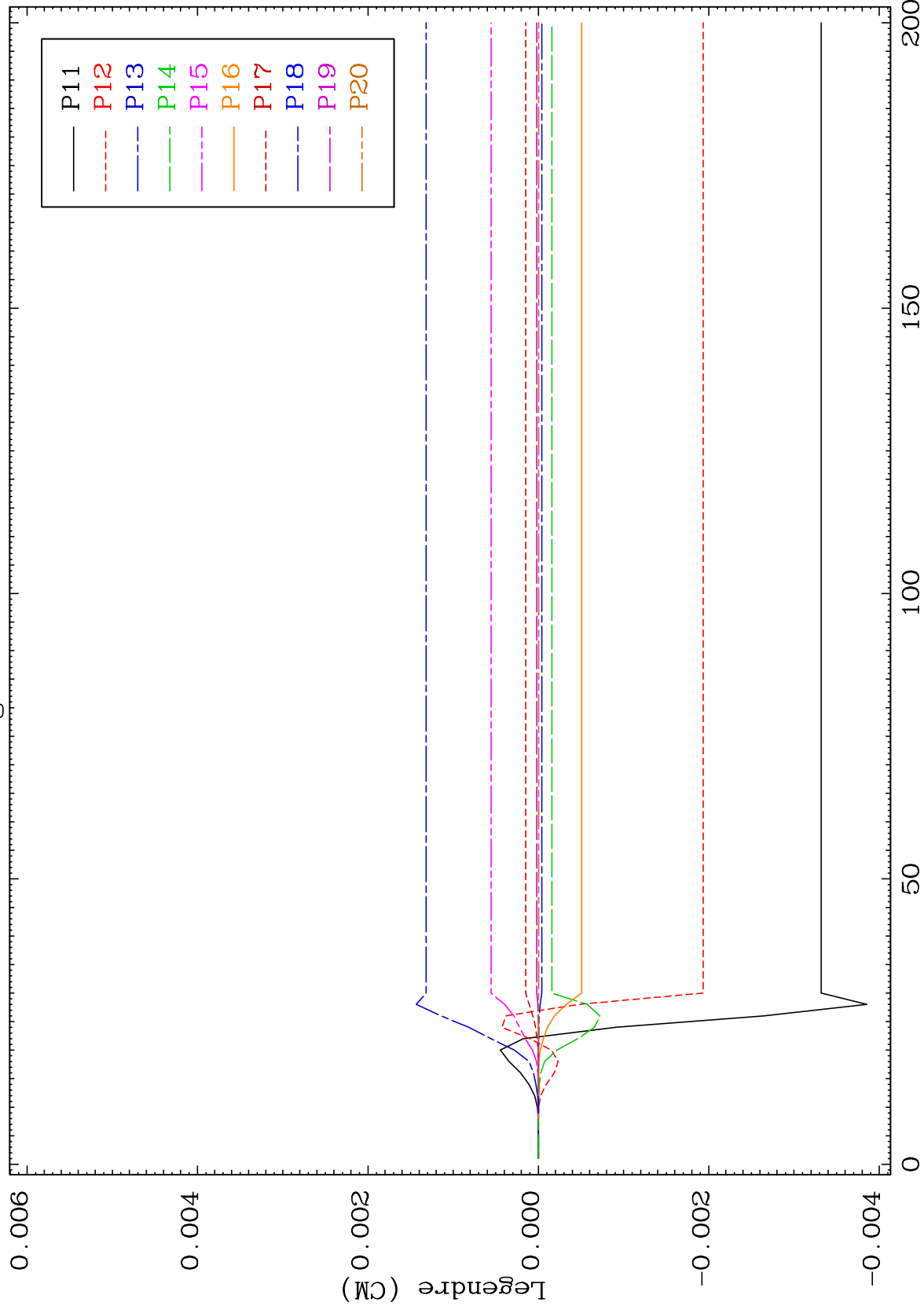
70-Yb-182



MAT 7067

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

70-Yb-182



48

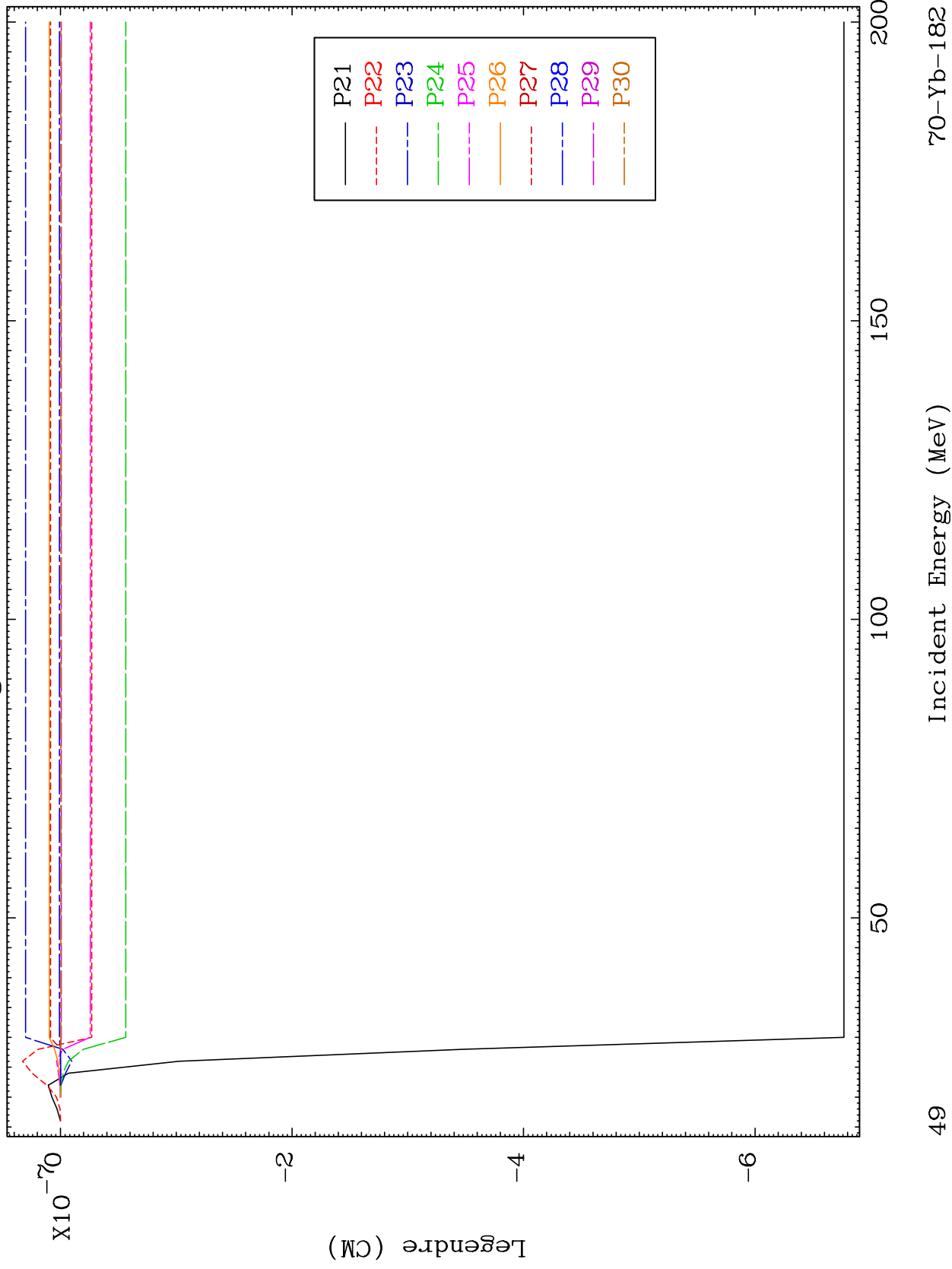
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

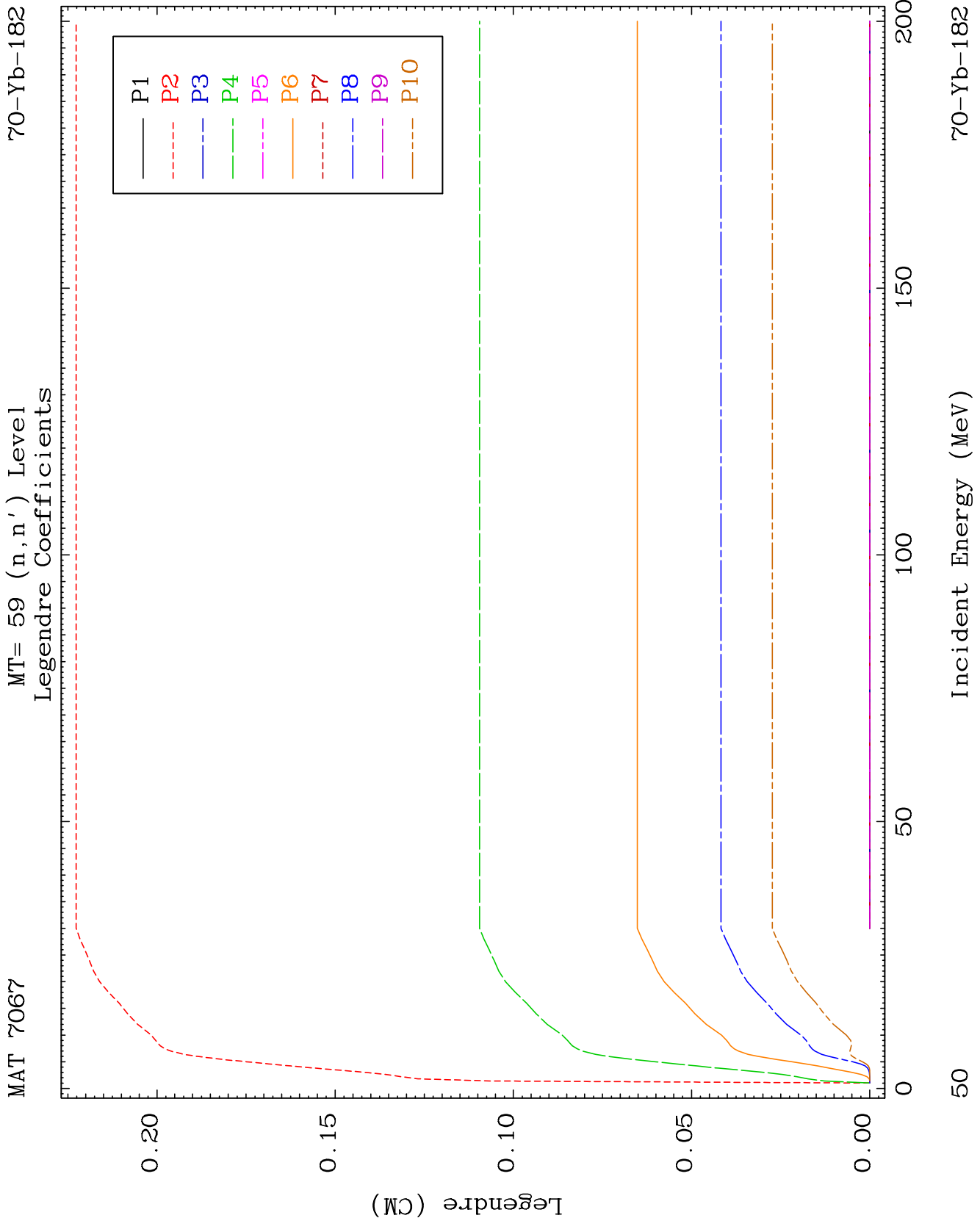
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49

Incident Energy (MeV)

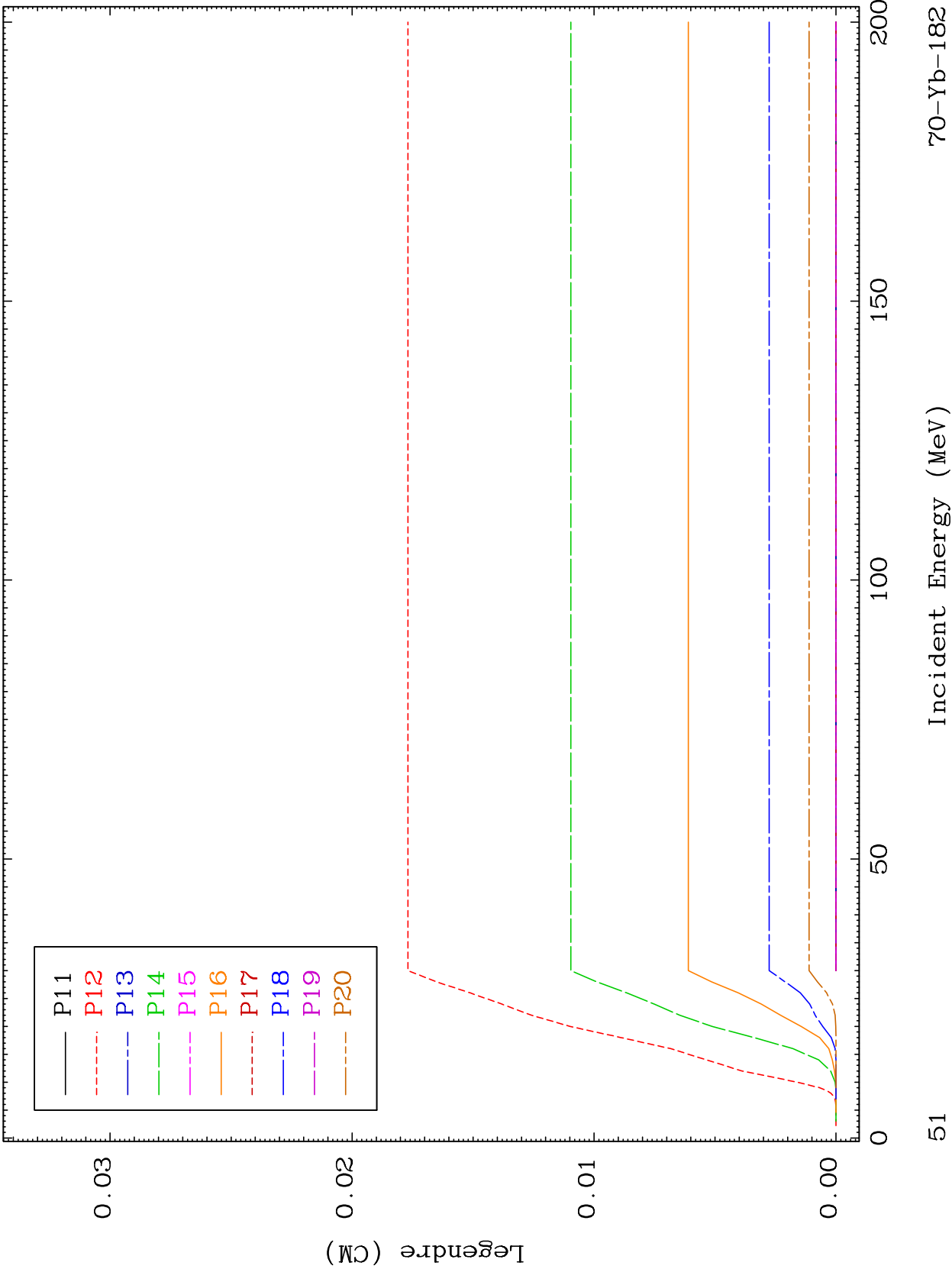
70-Yb-182



MAT 7067

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

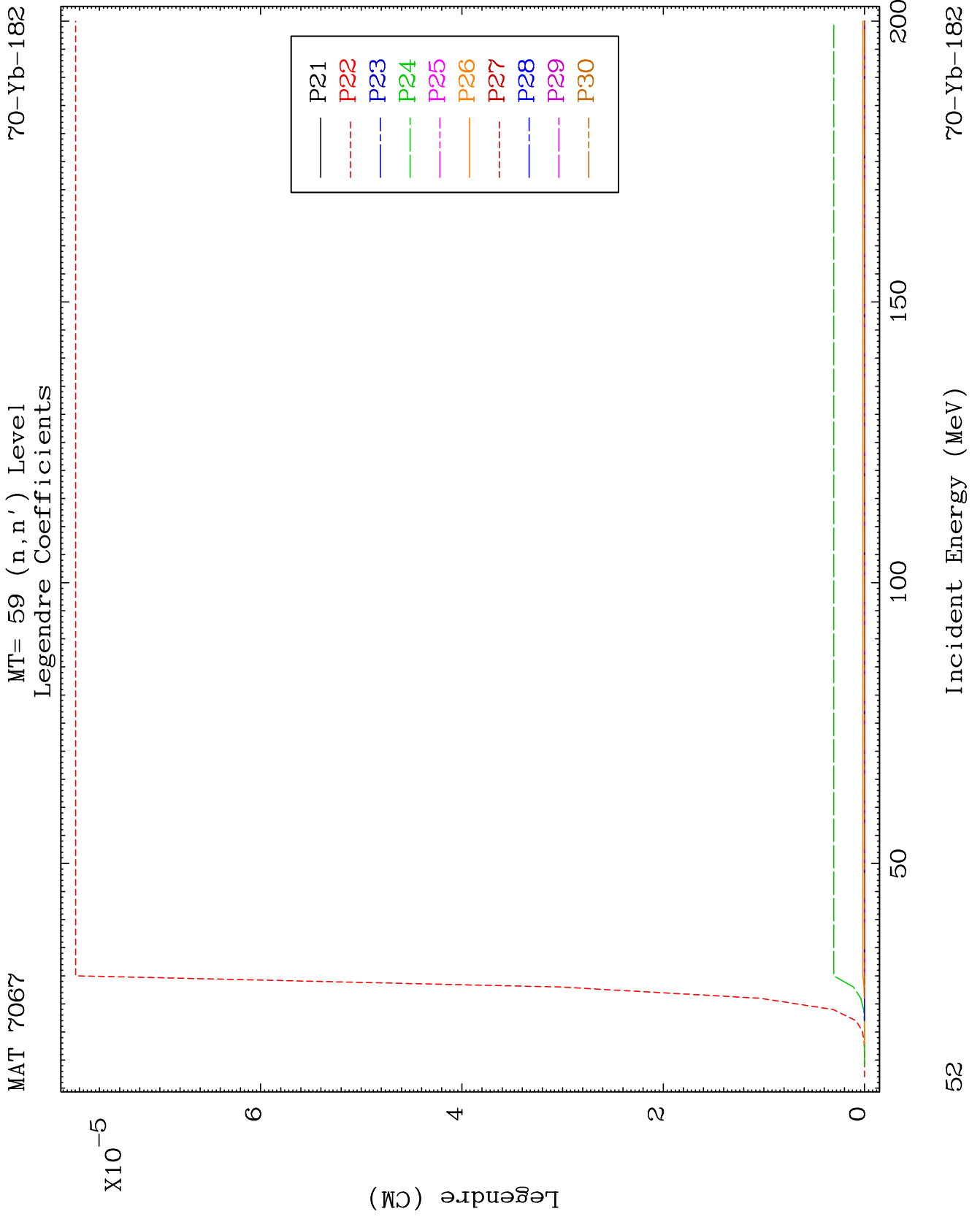
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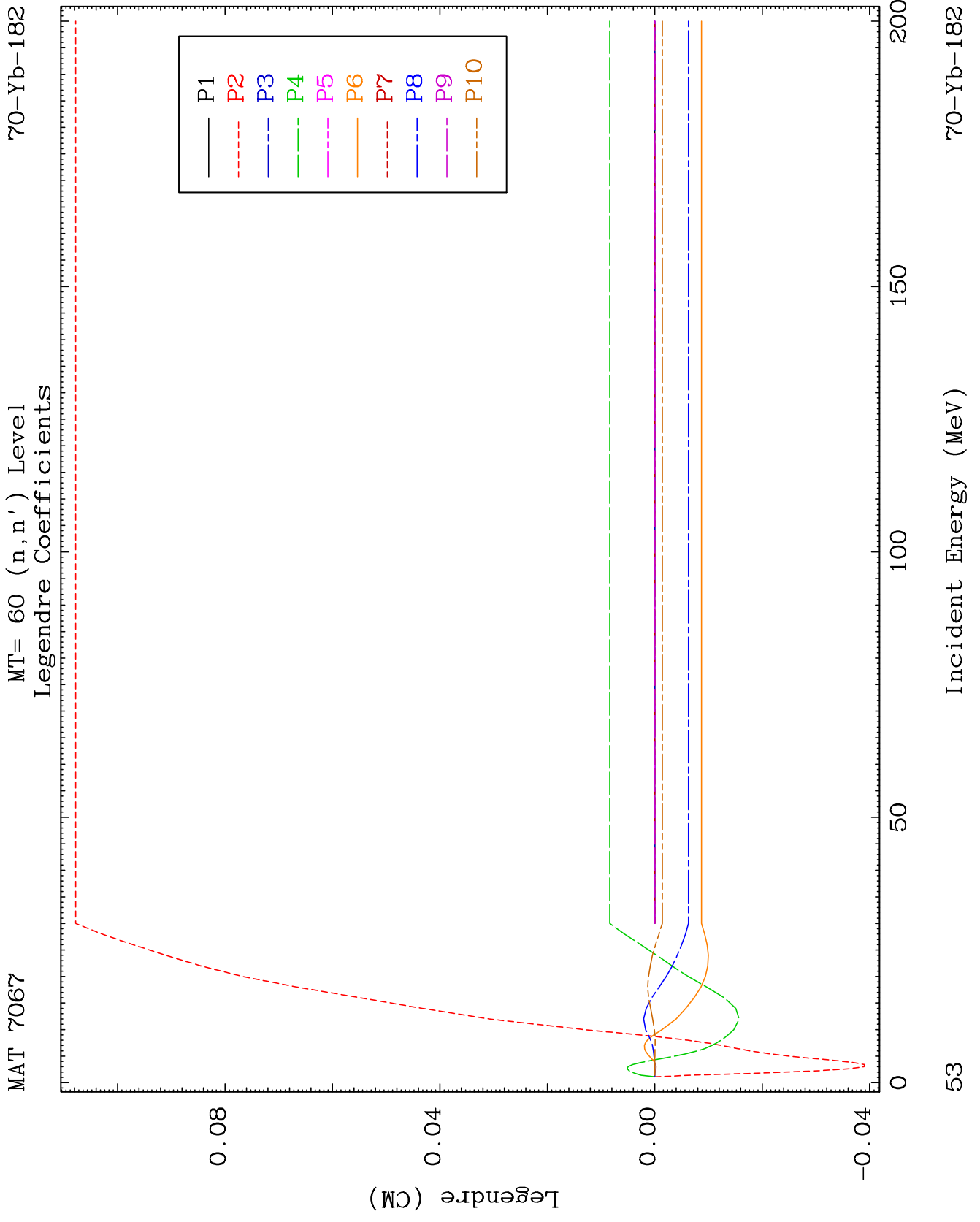


51

Incident Energy (MeV)

70-Yb-182

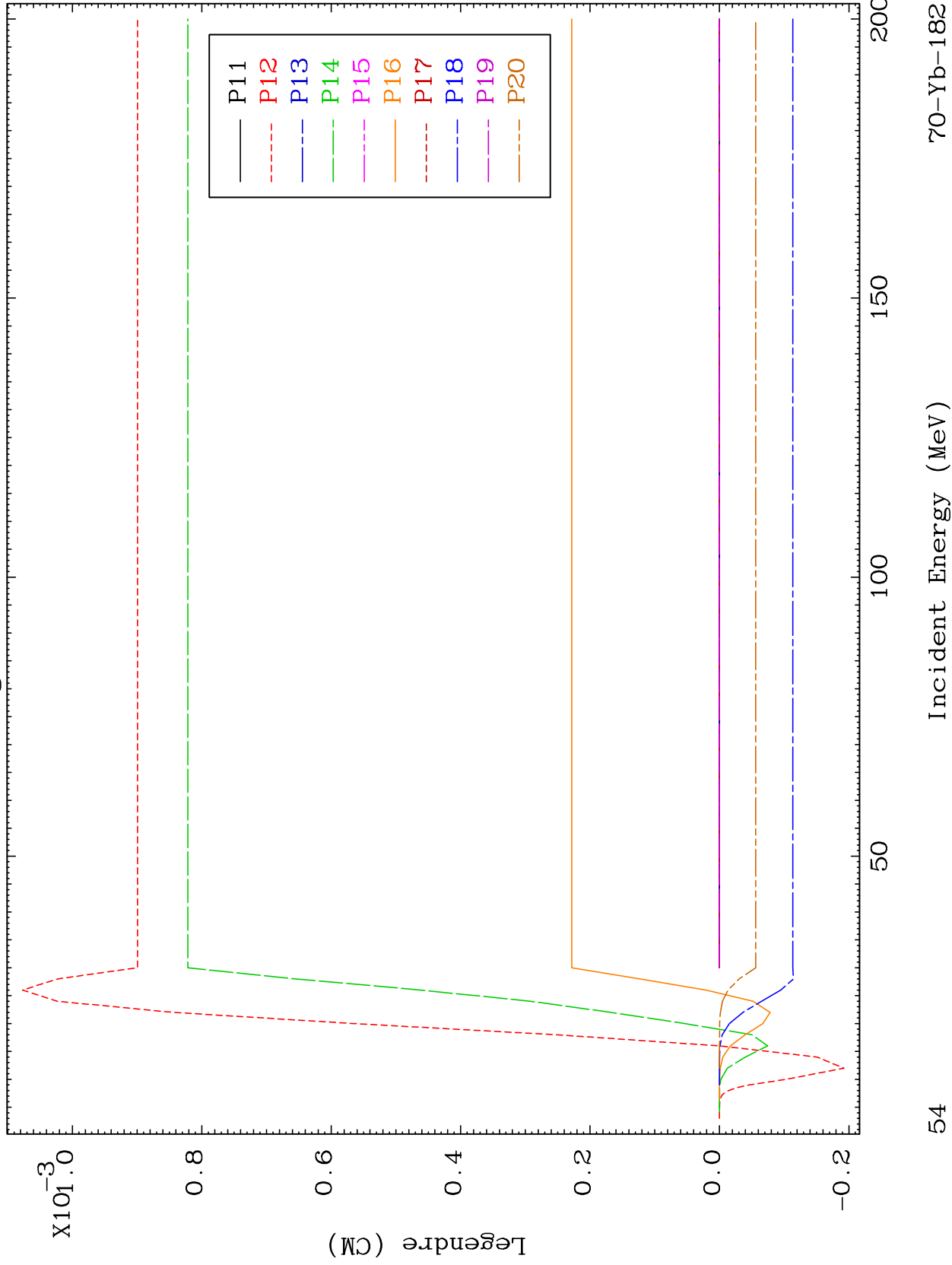




MAT 7067

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

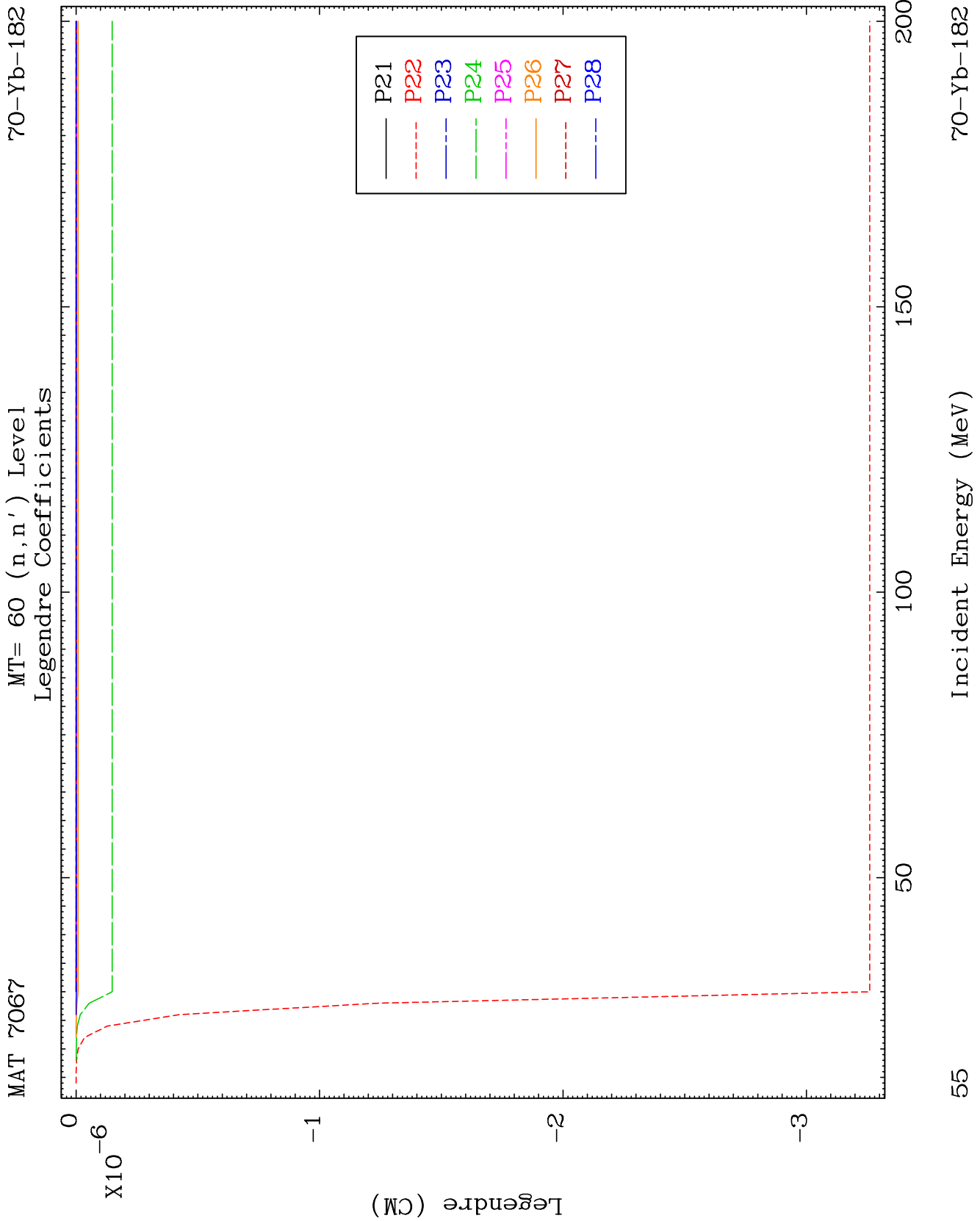
70-Yb-182



54

Incident Energy (MeV)

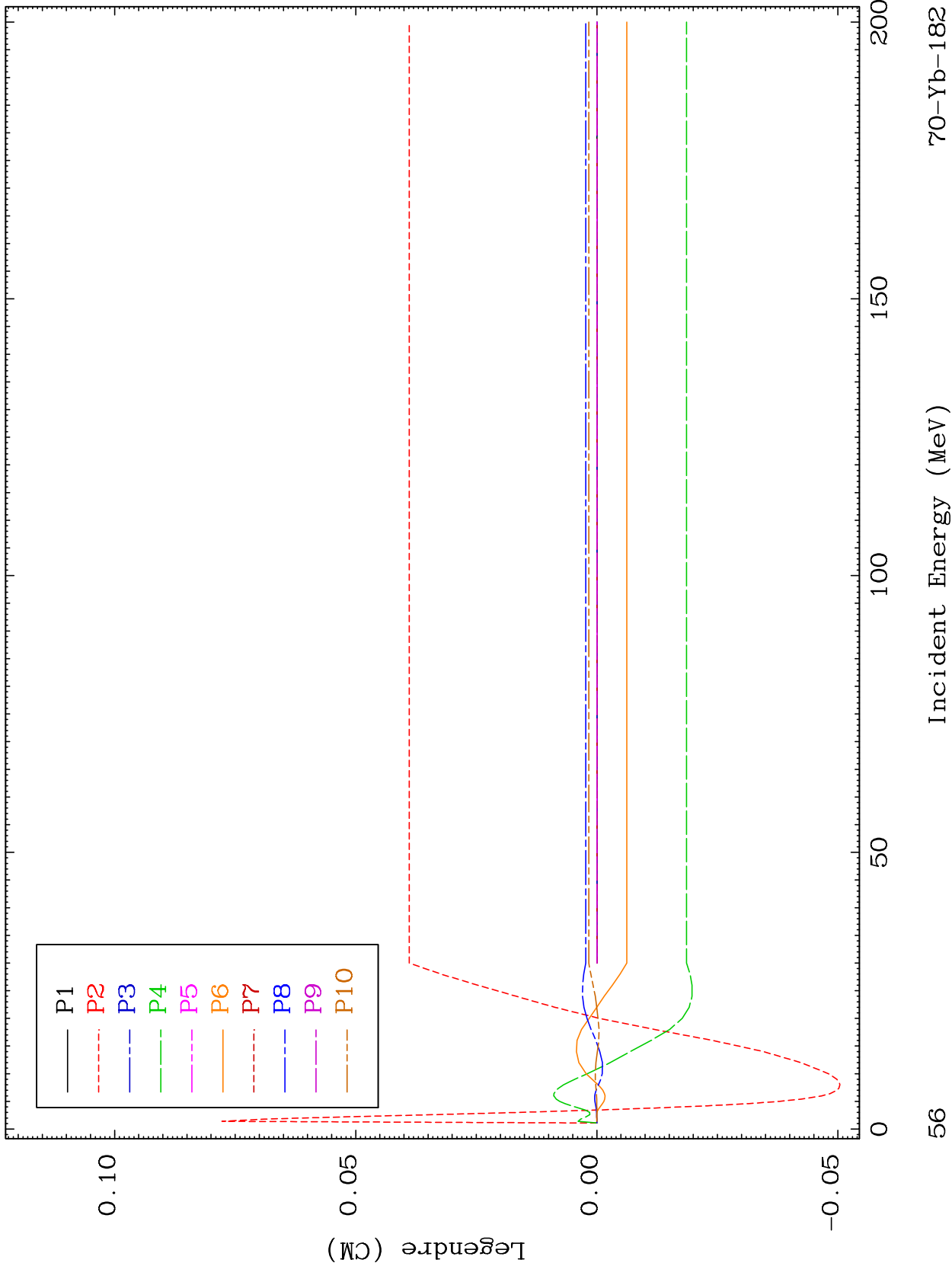
70-Yb-182



MAT 7067

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

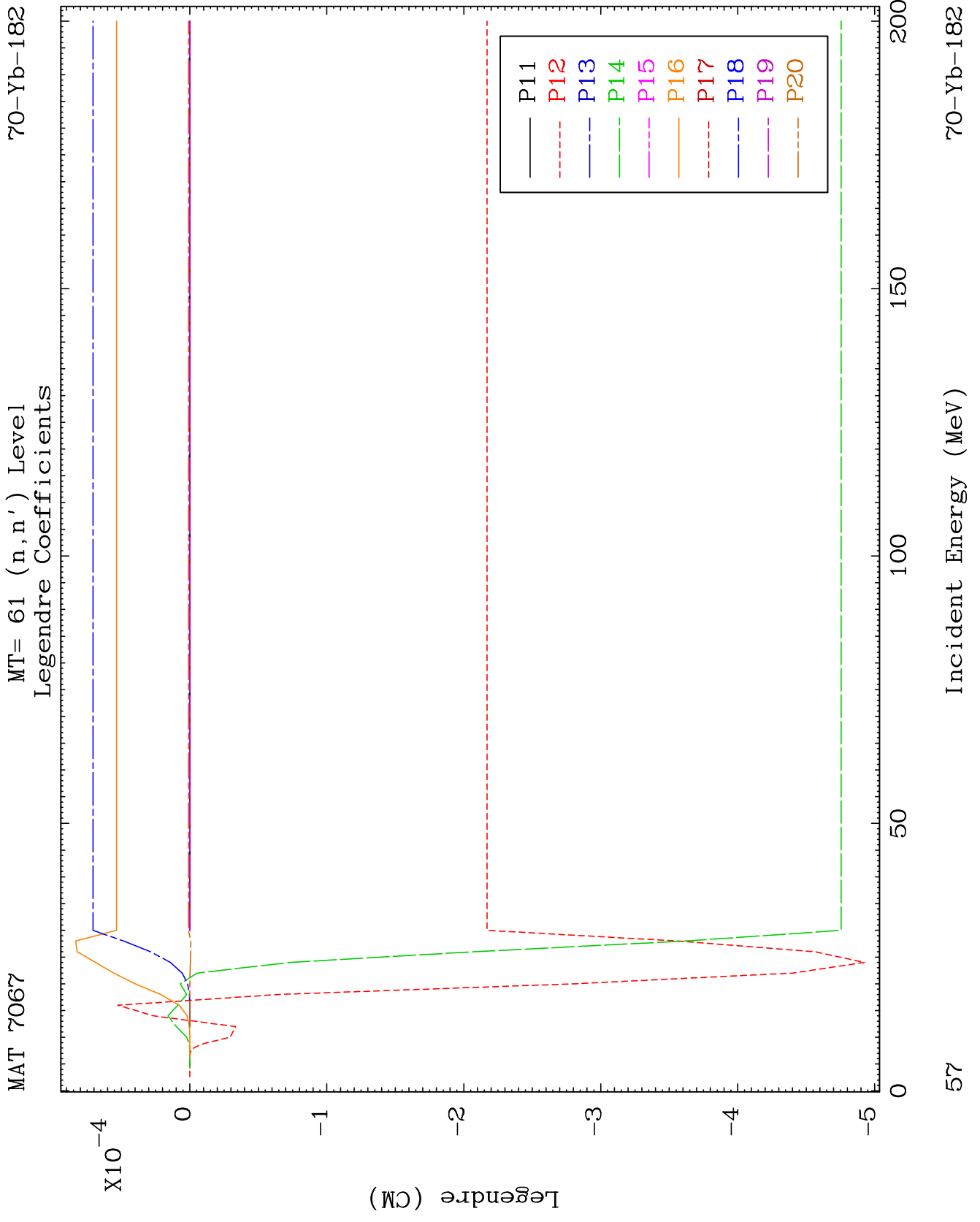
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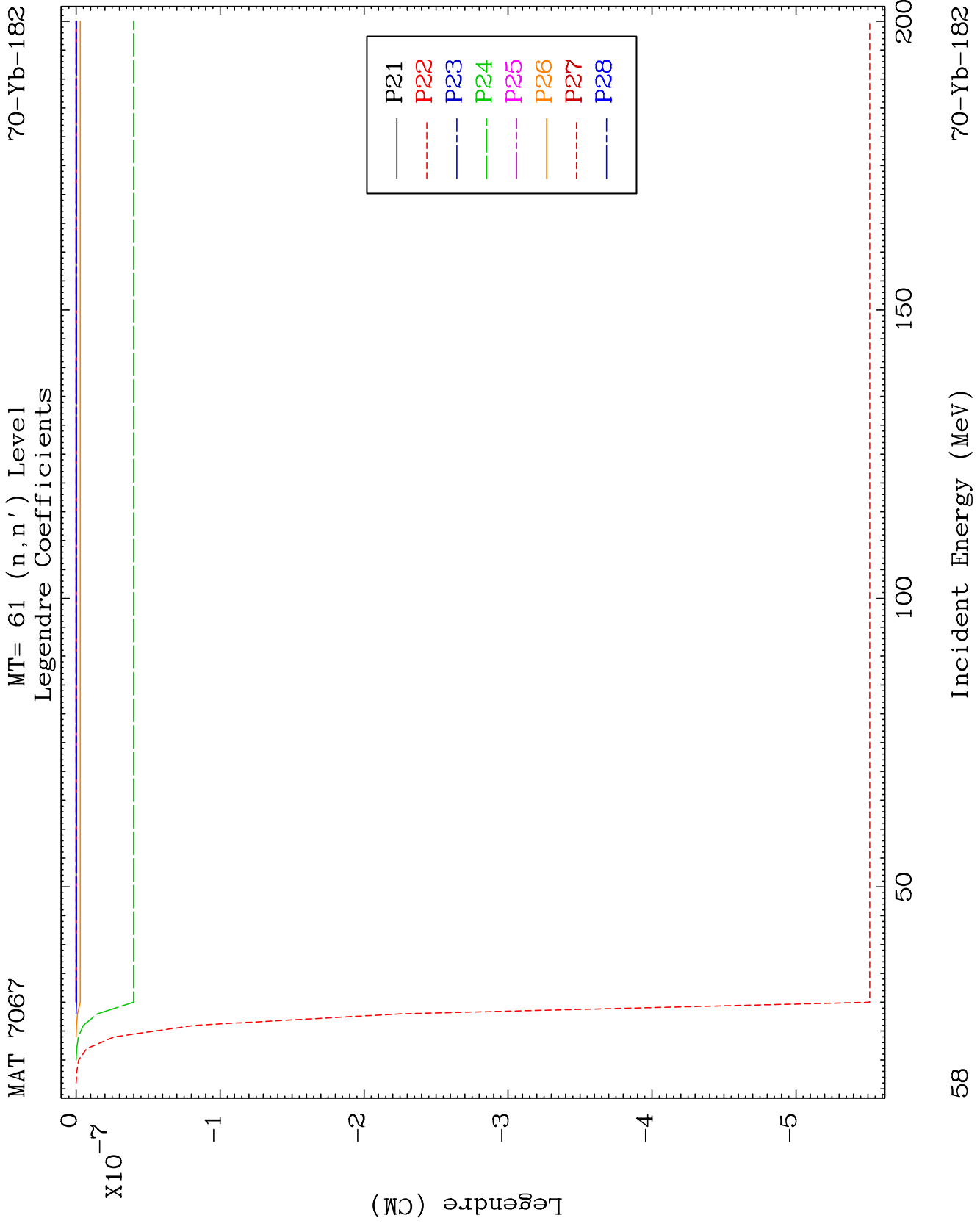


56

Incident Energy (MeV)

70-Yb-182

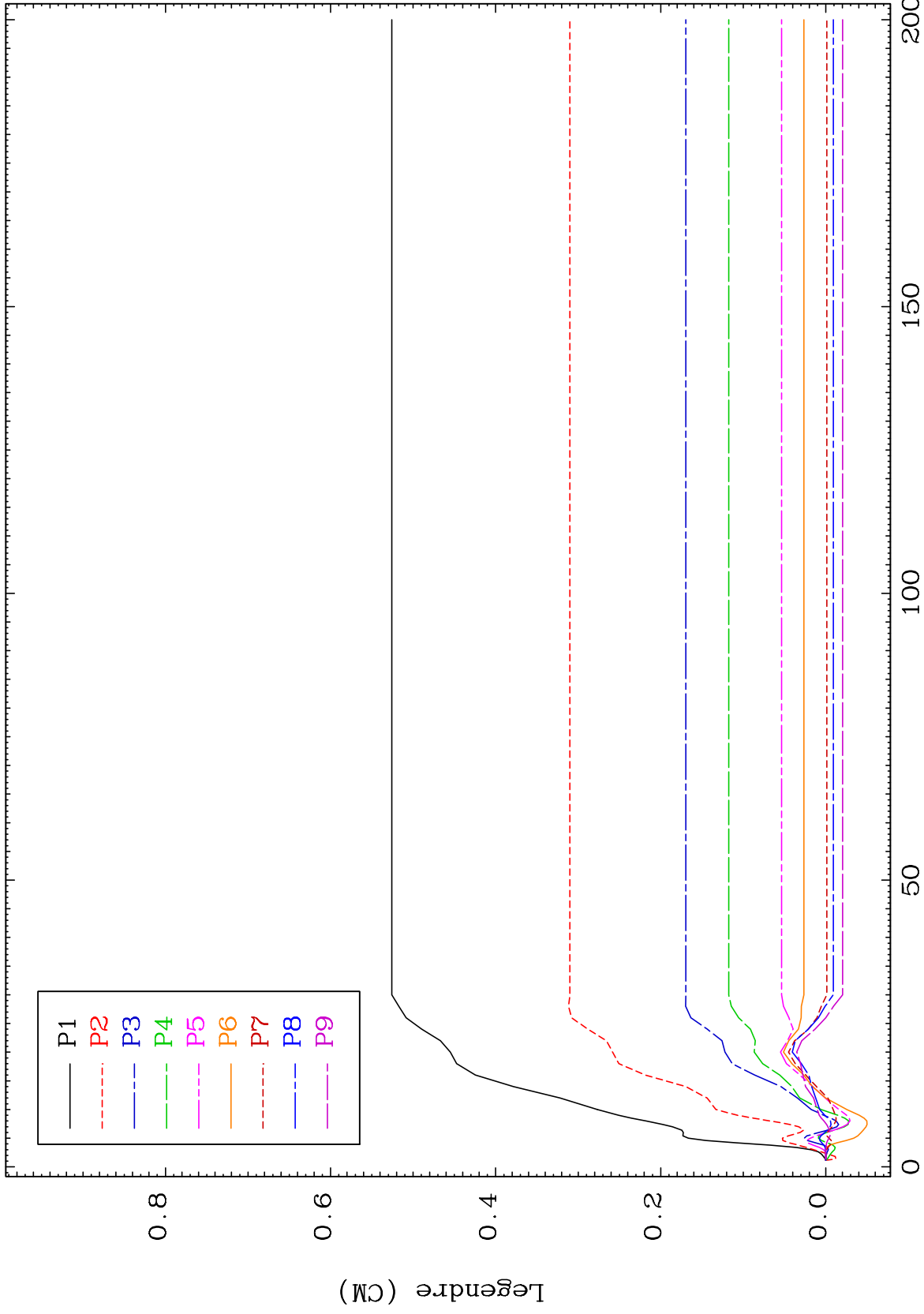




MAT 7067

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

70-Yb-182



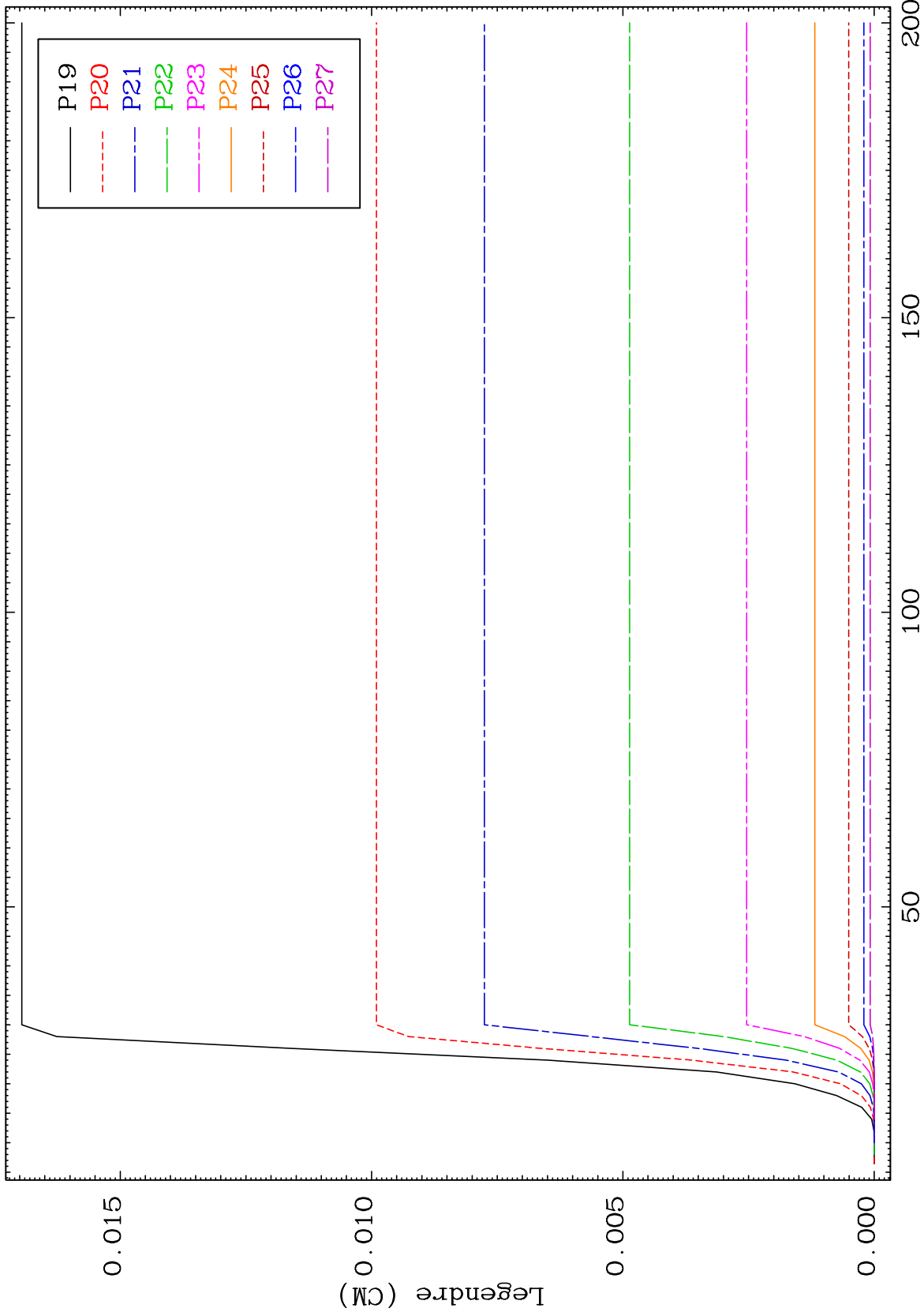
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70-Yb-182

MAT 7067

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

70-Yb-182



61

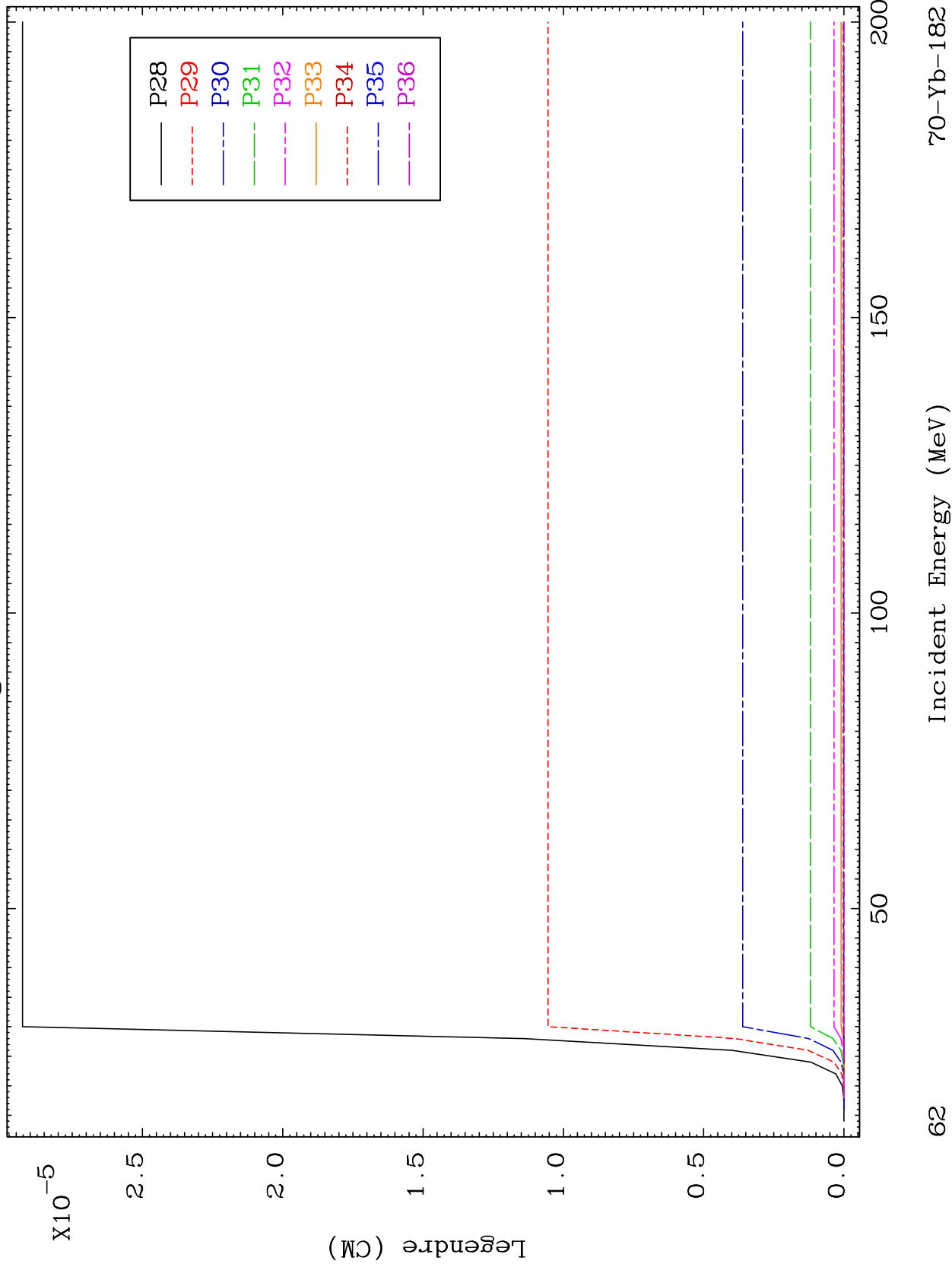
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

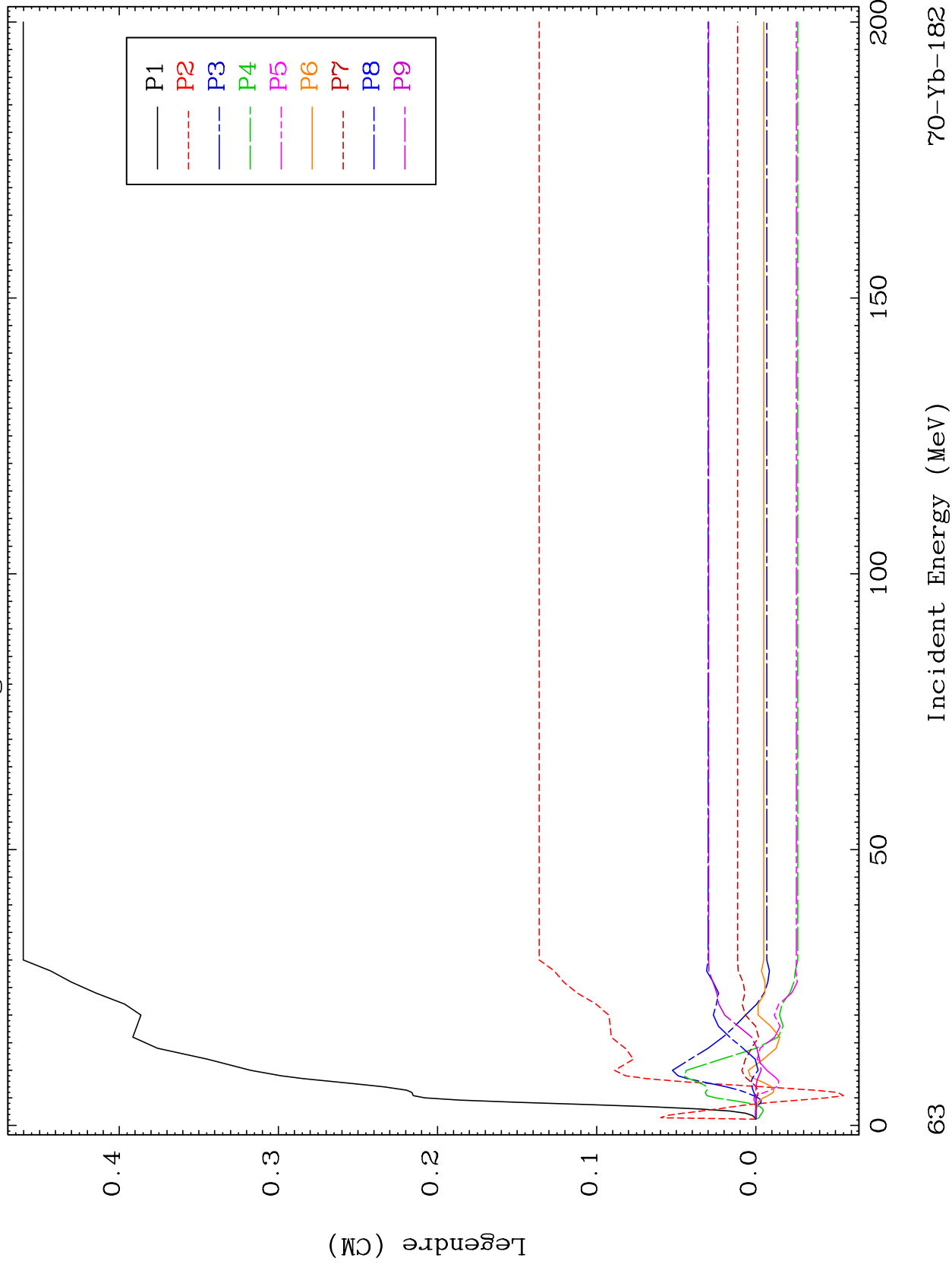
70-Yb-182



MAT 7067

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

70-Yb-182



70-Yb-182

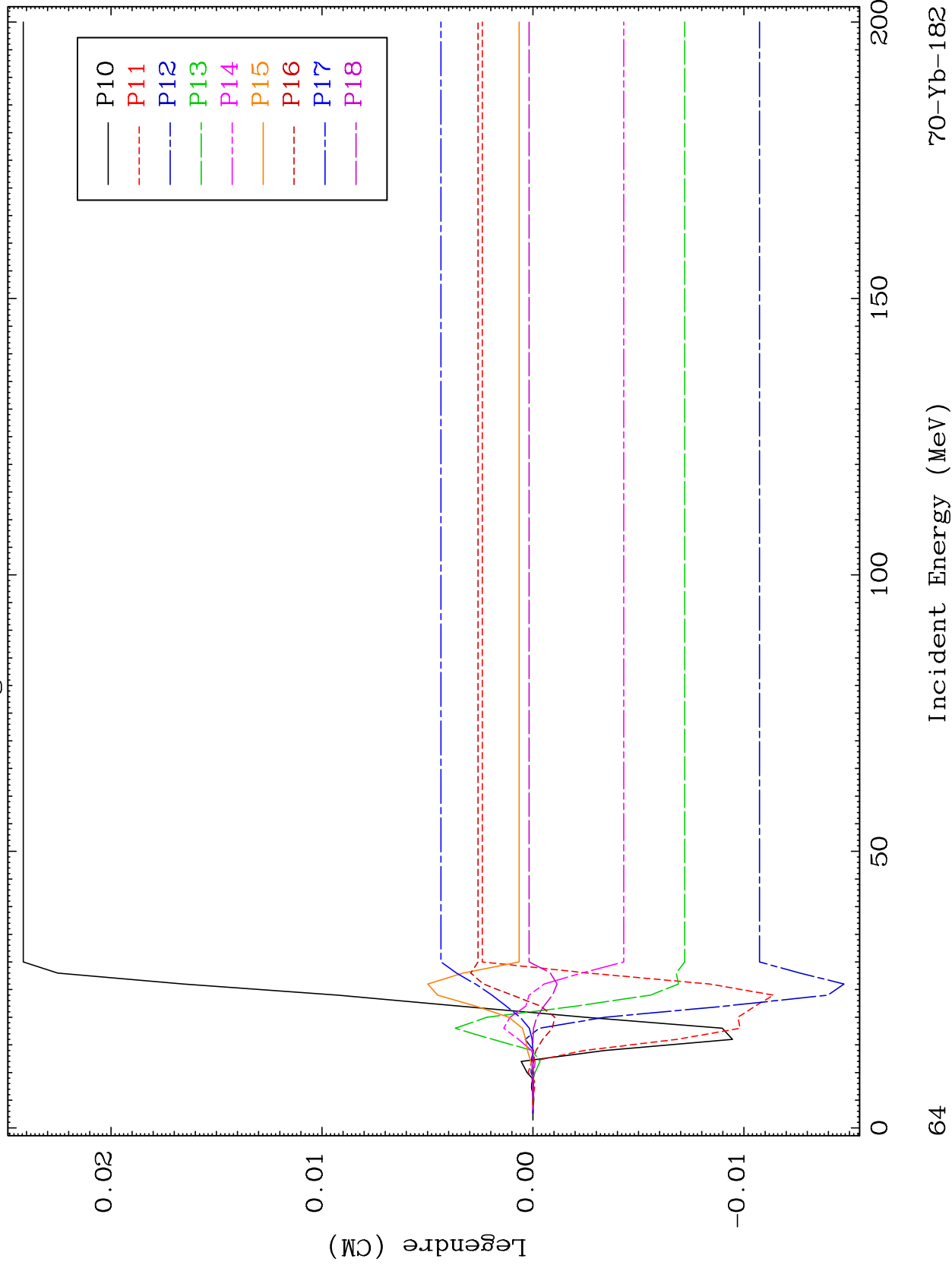
Incident Energy (MeV)

63

MAT 7067

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

70-Yb-182



70-Yb-182

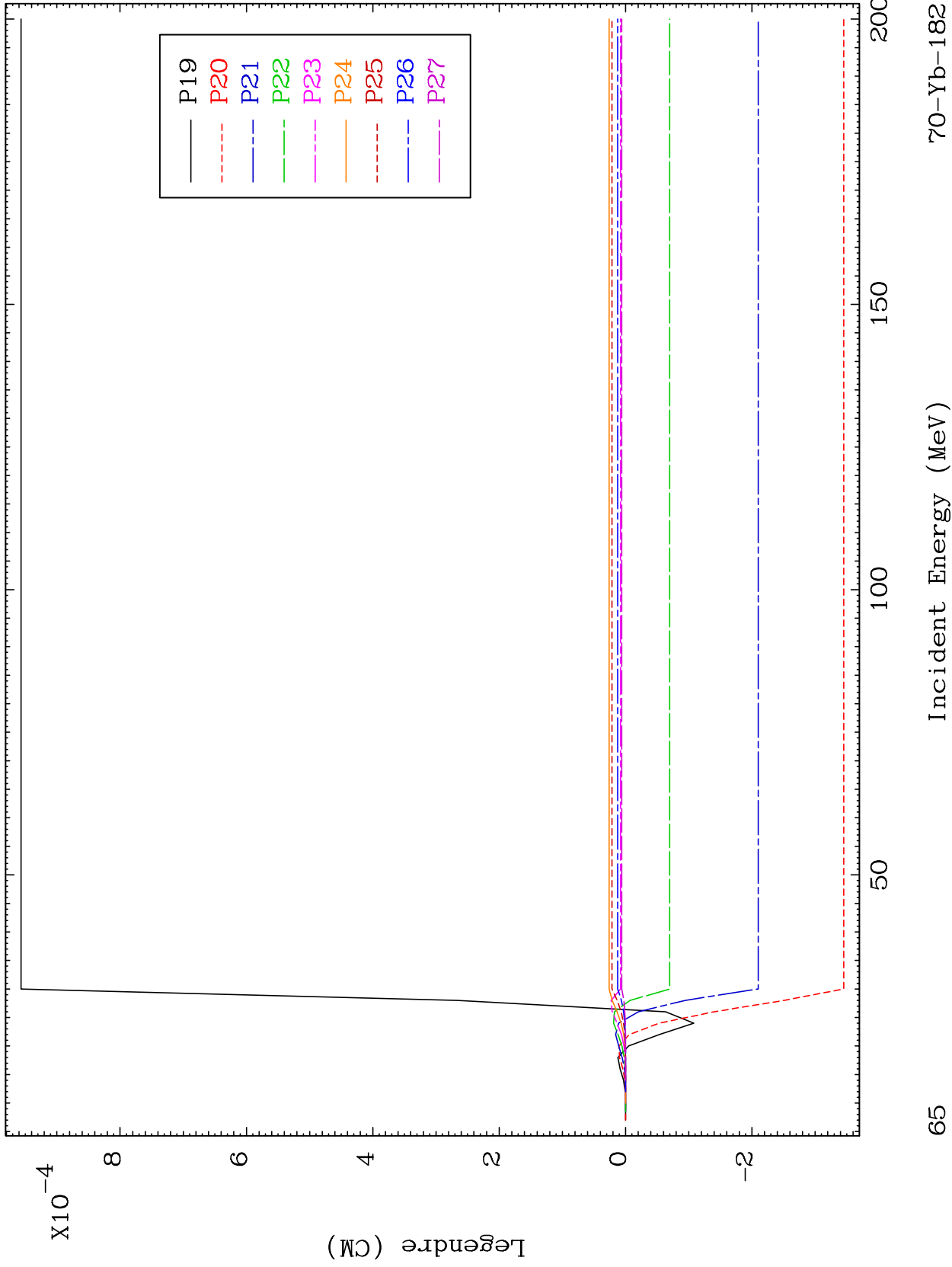
Incident Energy (MeV)

64

MAT 7067

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

70-Yb-182



65

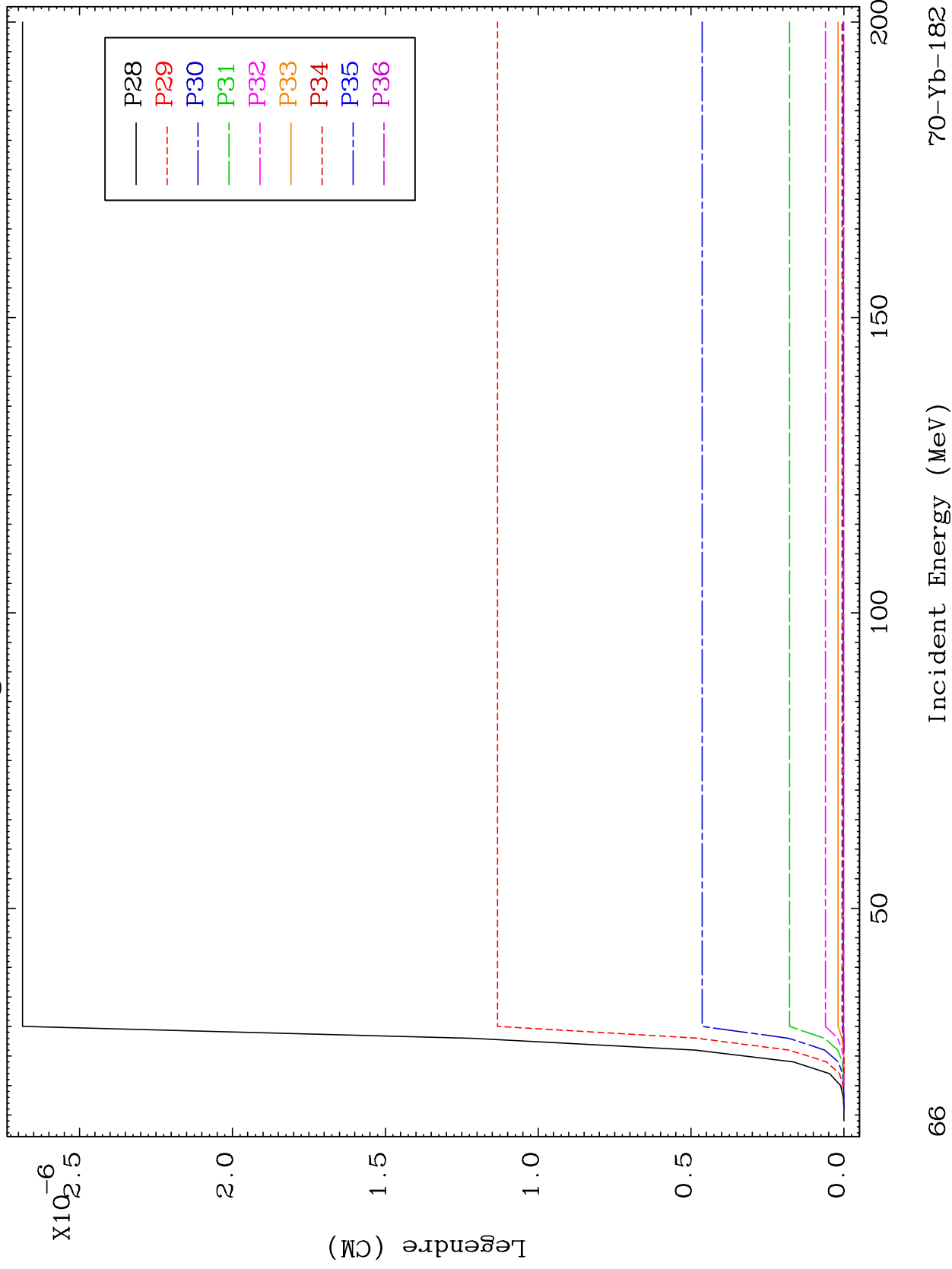
Incident Energy (MeV)

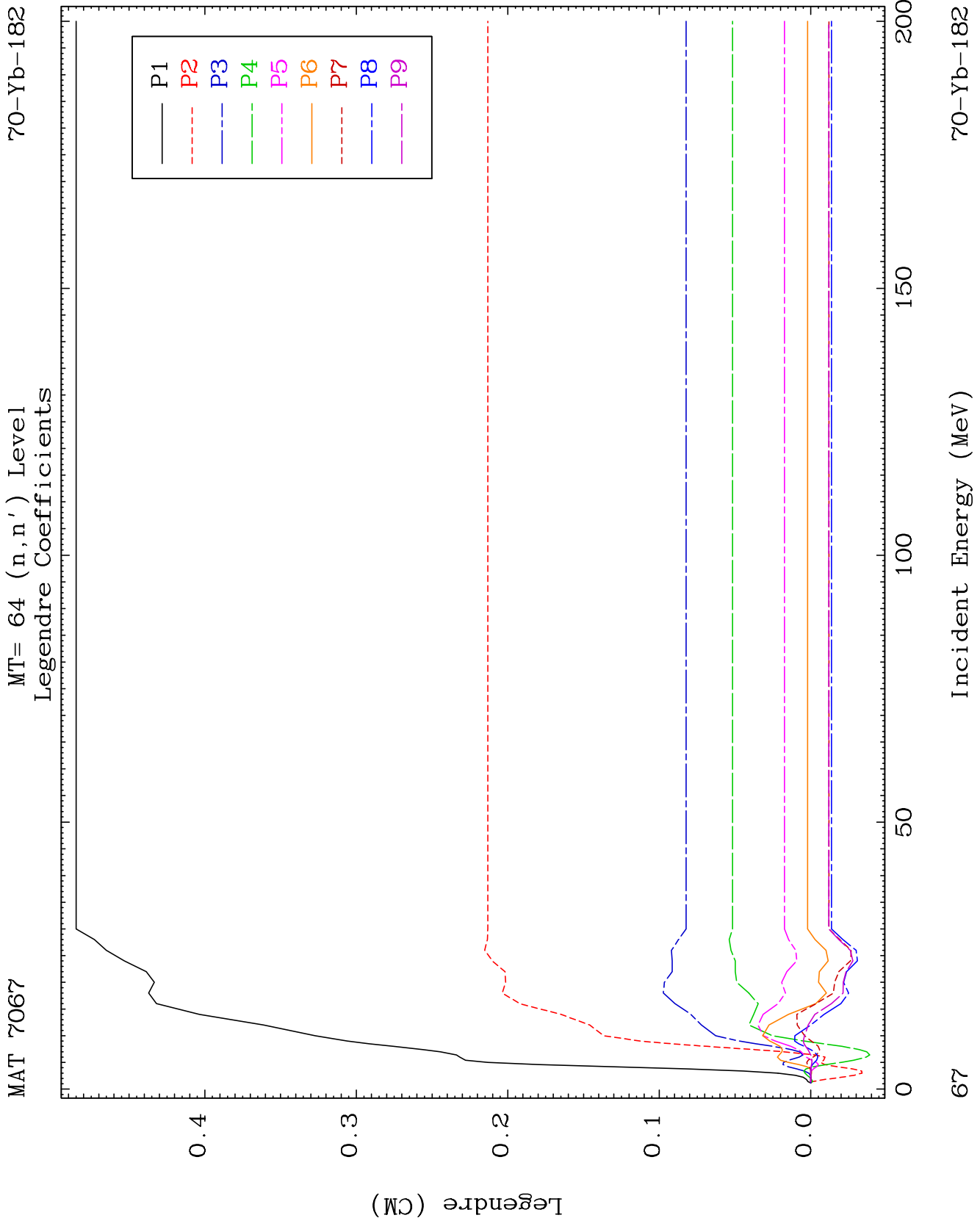
70-Yb-182

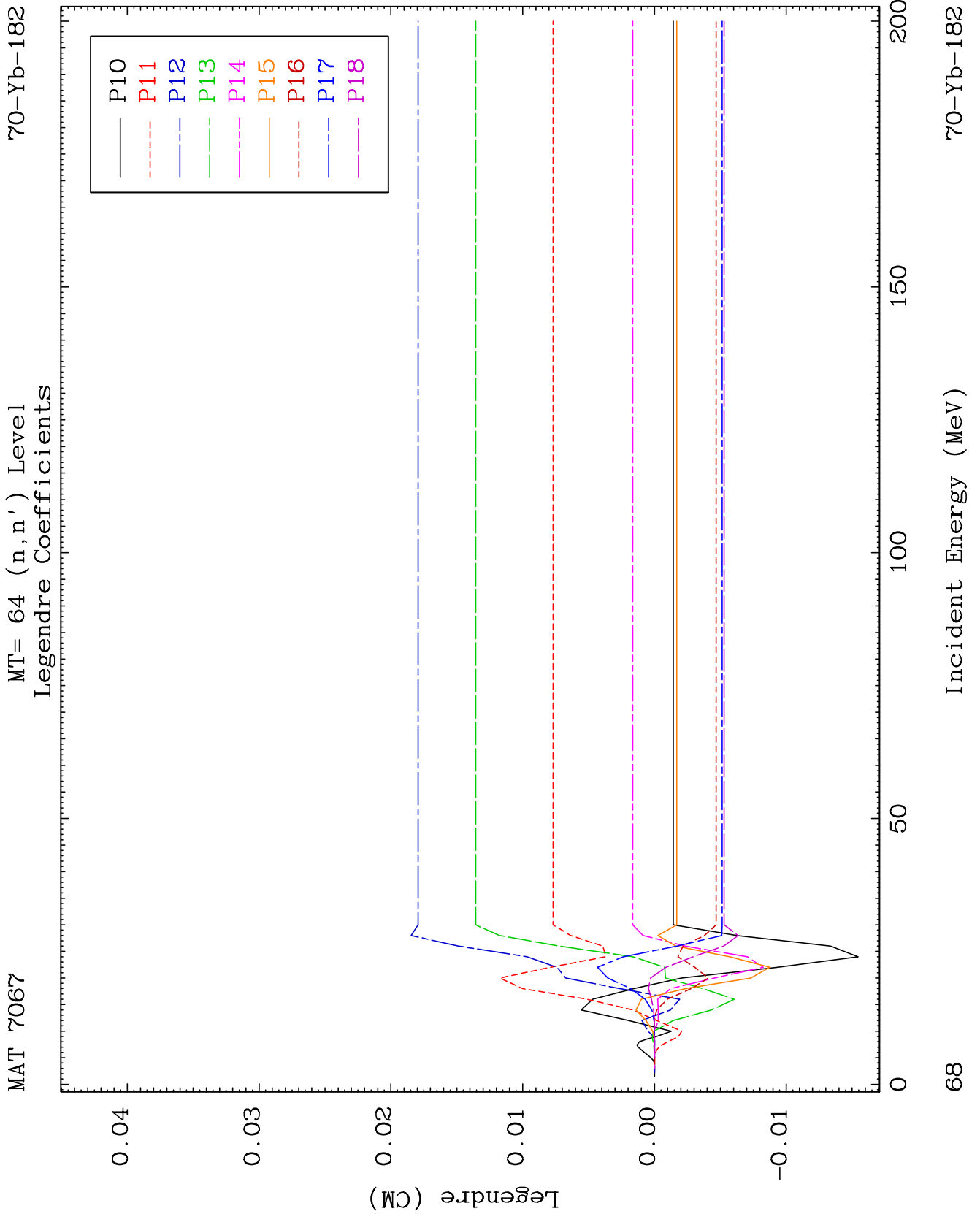
MAT 7067

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

70-Yb-182



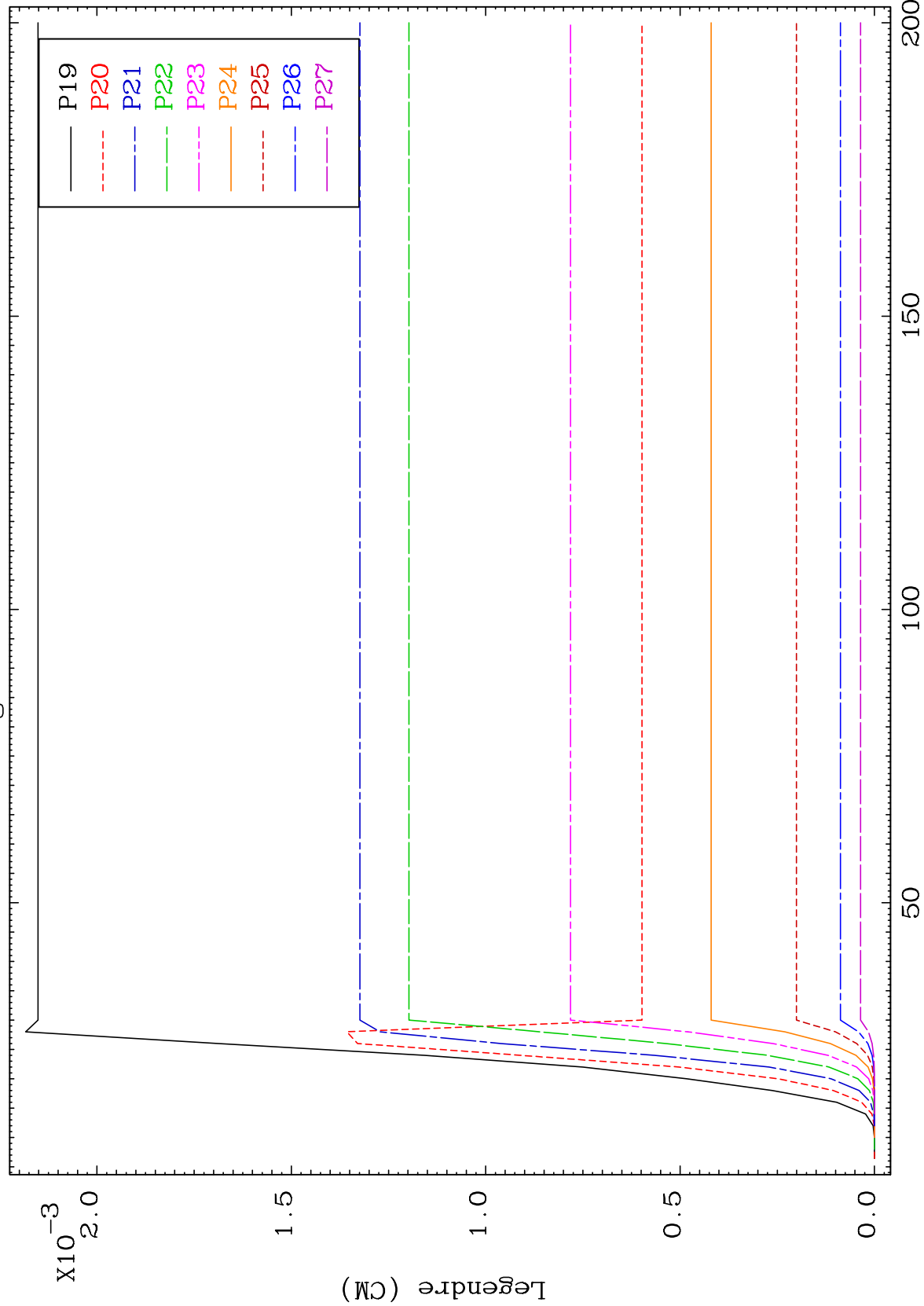




MAT 7067

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

70-Yb-182



69

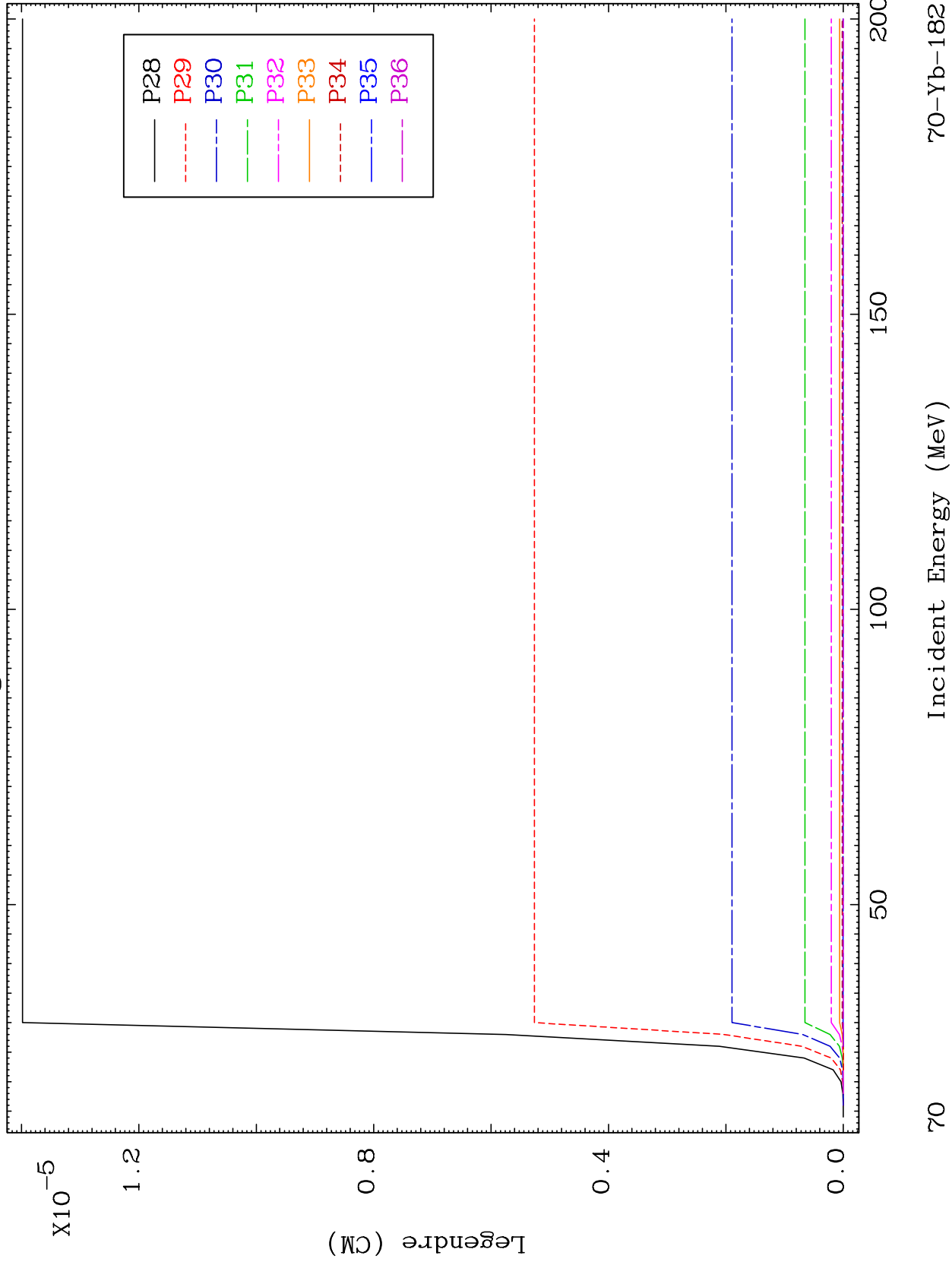
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



70

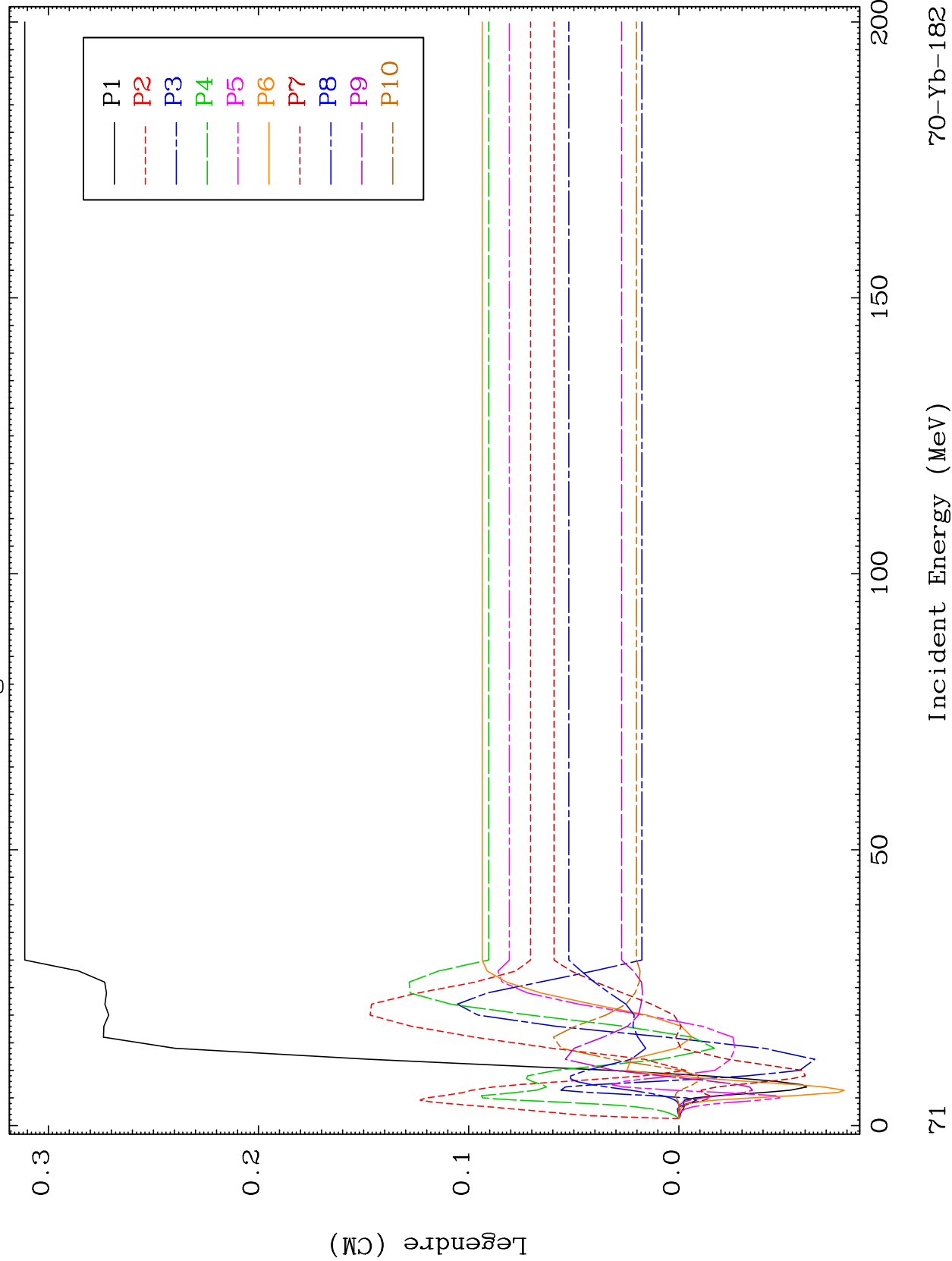
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



71

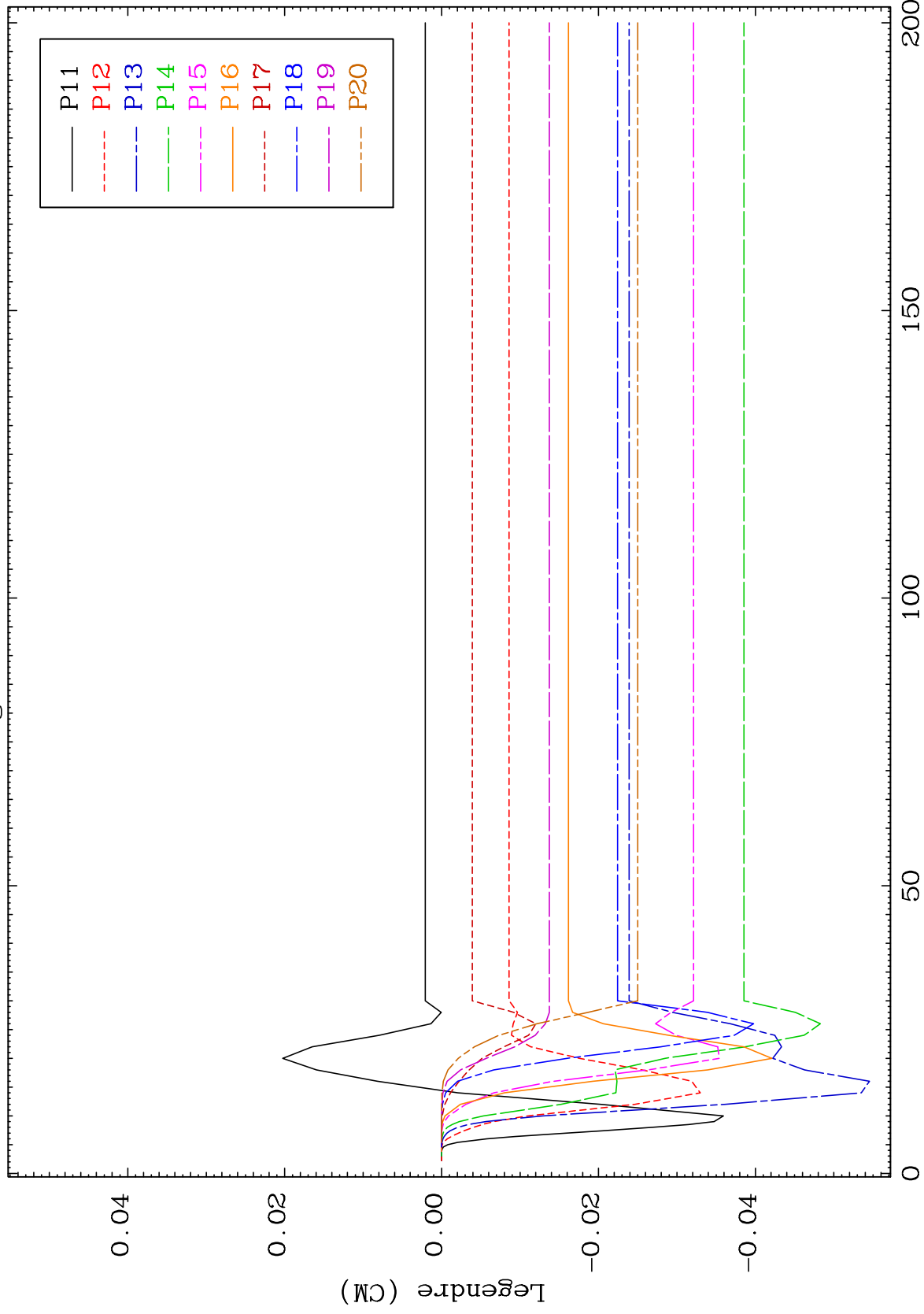
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

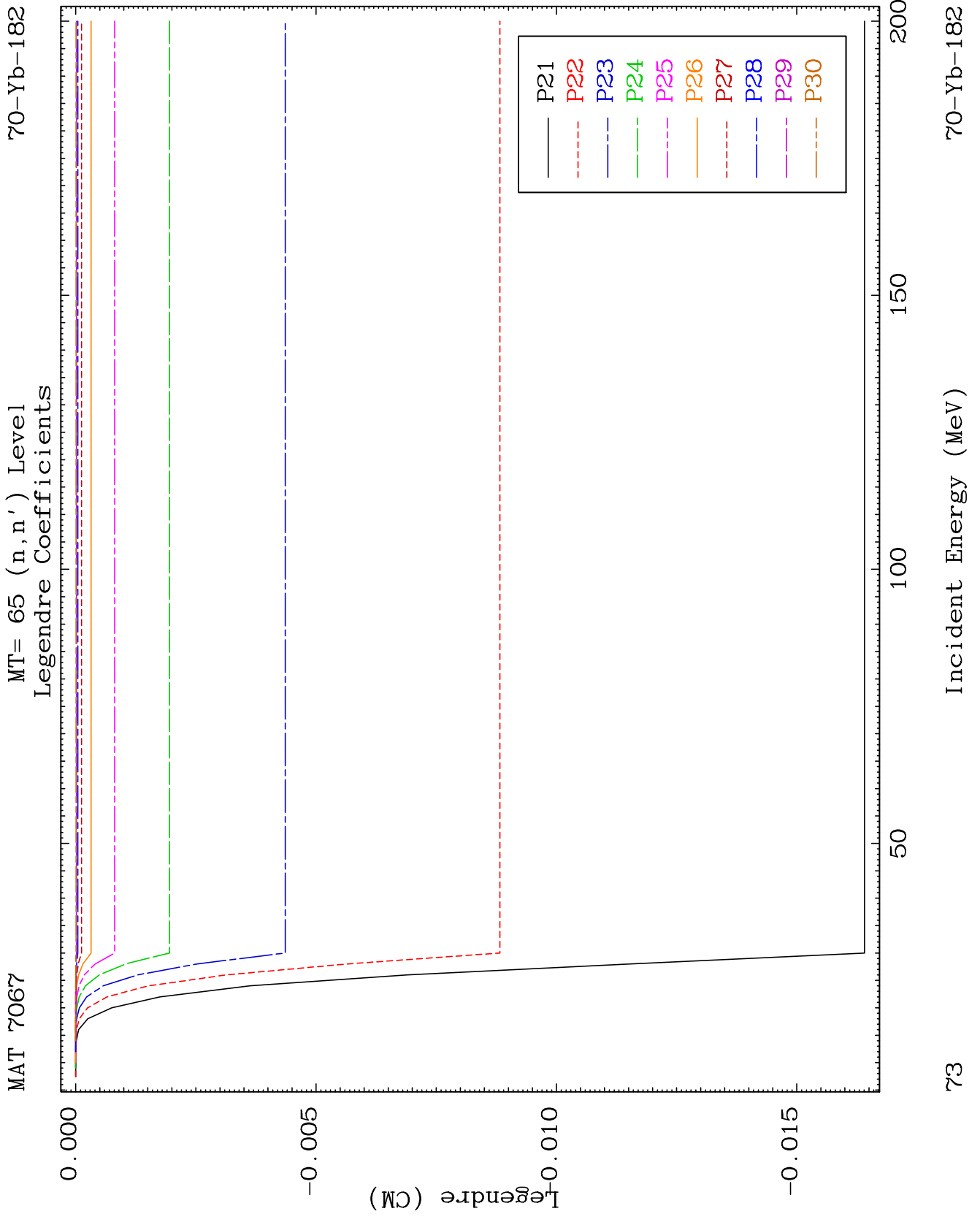
70-Yb-182

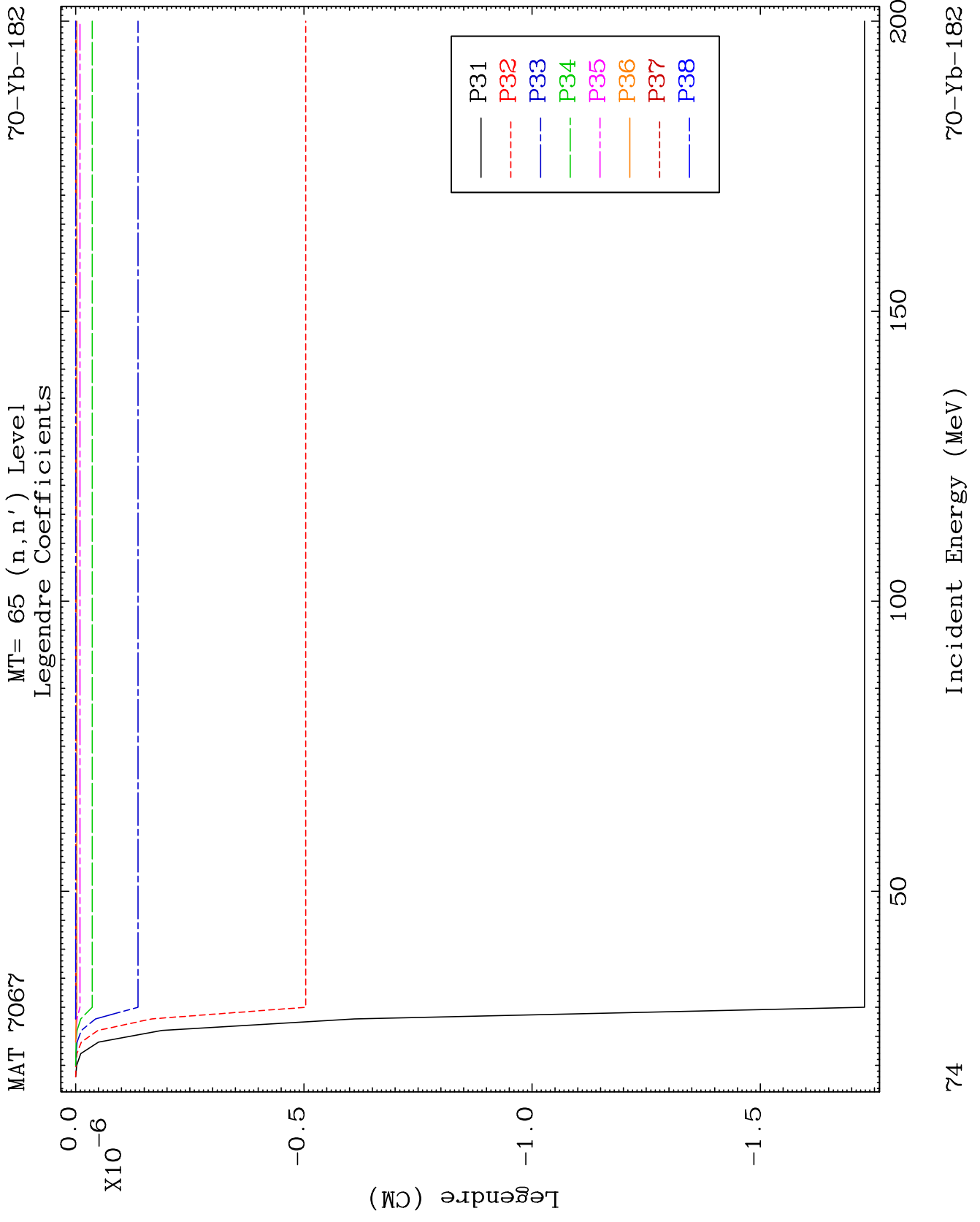


72

Incident Energy (MeV)

70-Yb-182

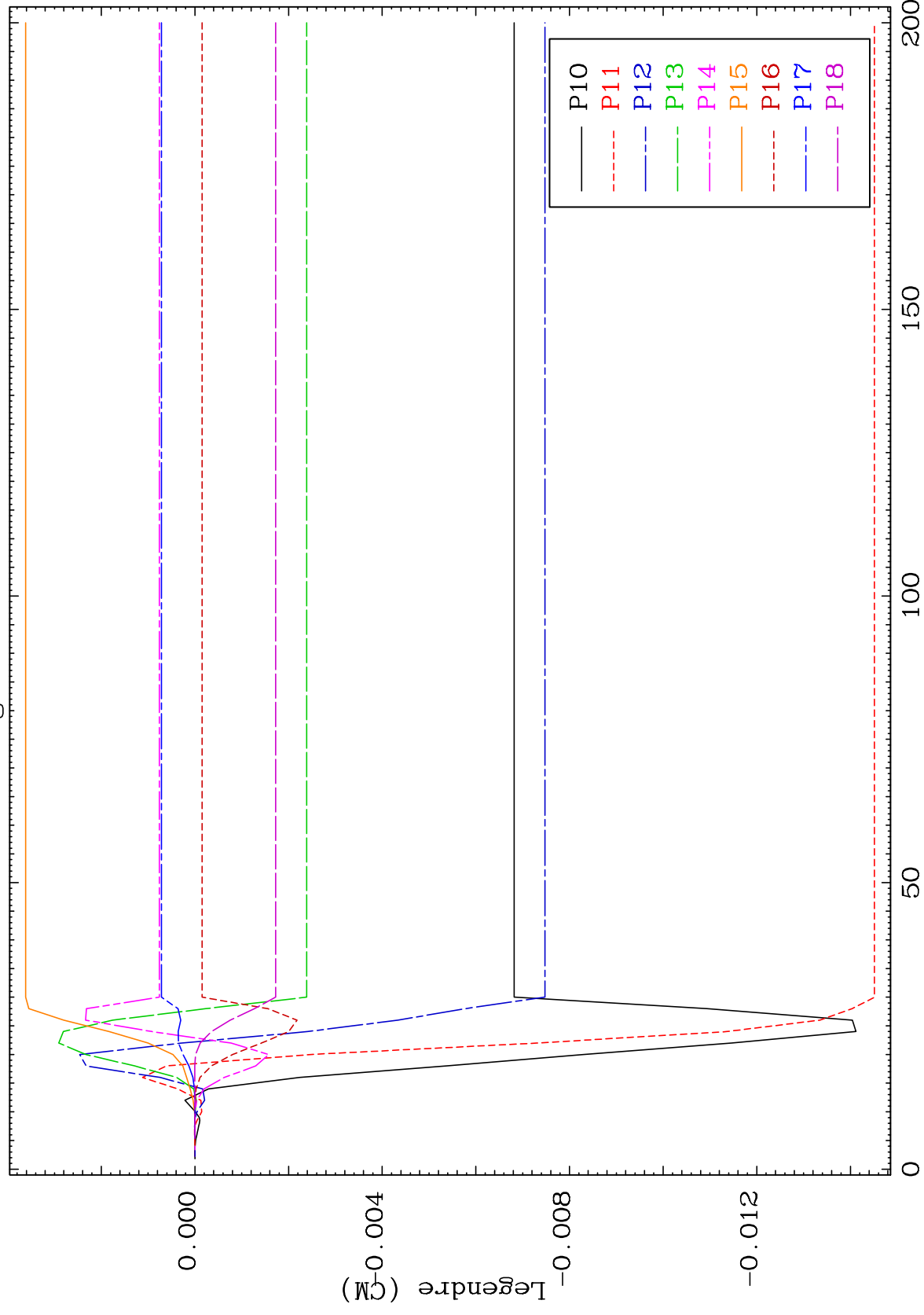




MAT 7067

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

70-Yb-182



76

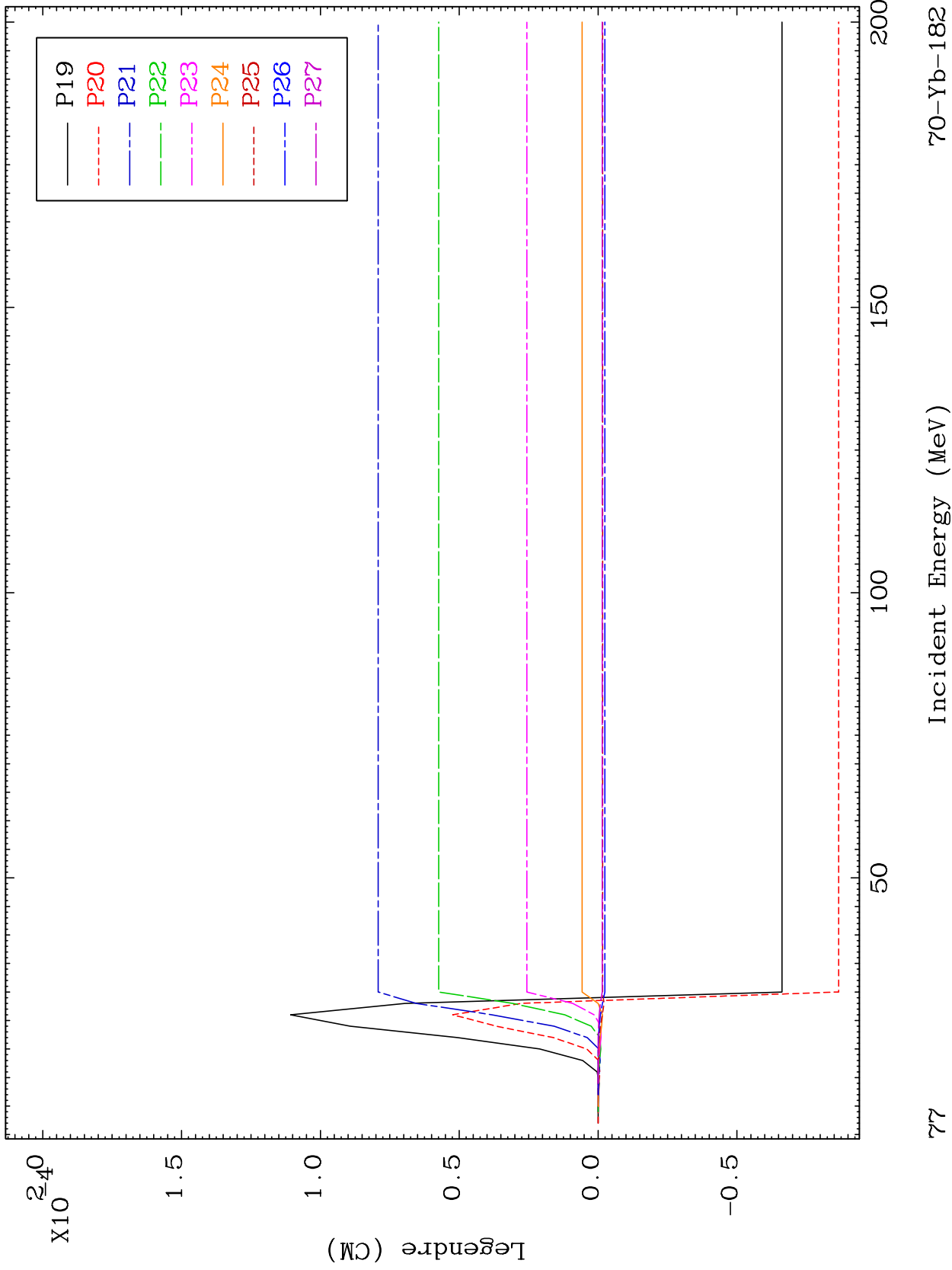
Incident Energy (MeV)

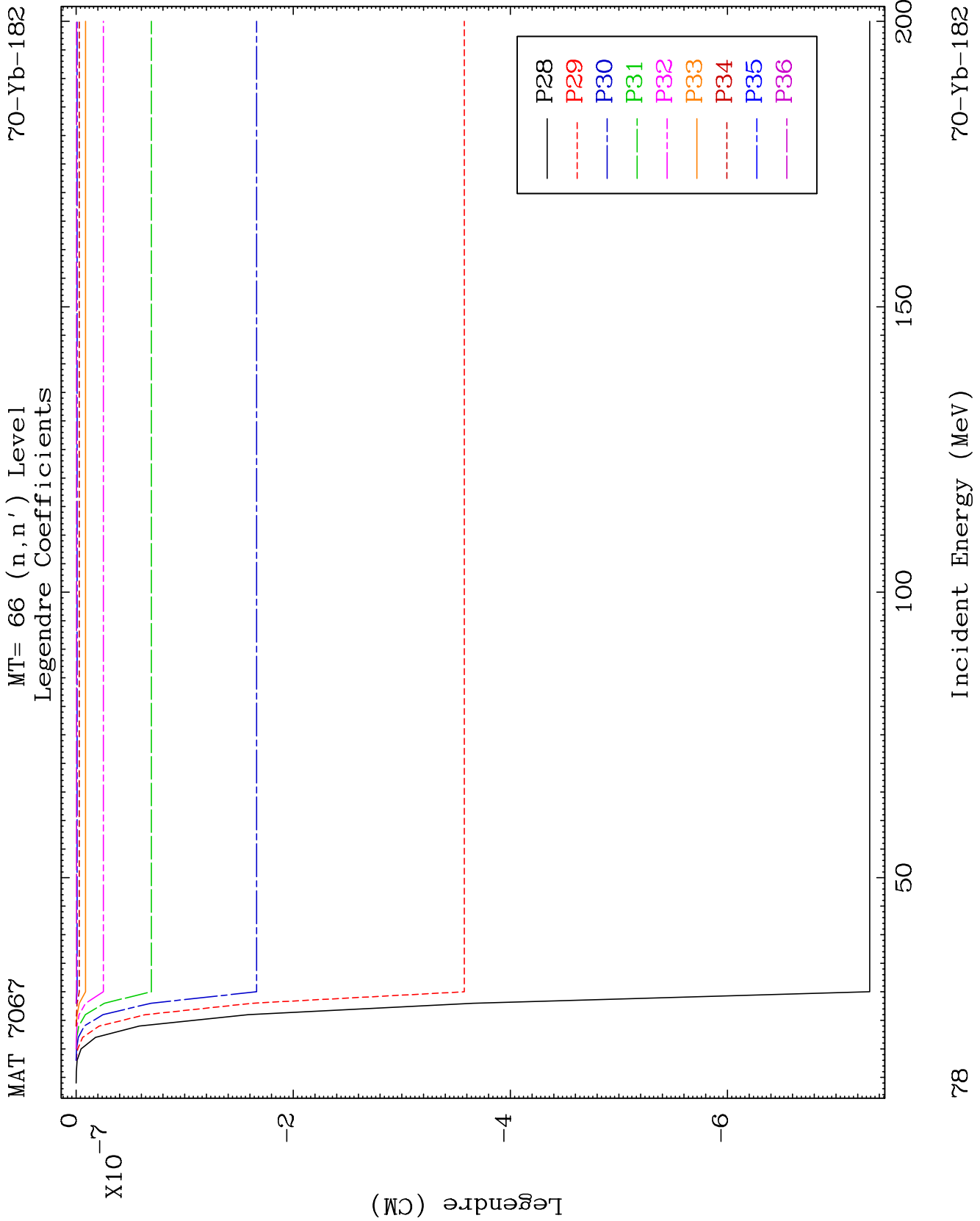
70-Yb-182

MAT 7067

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

70-Yb-182

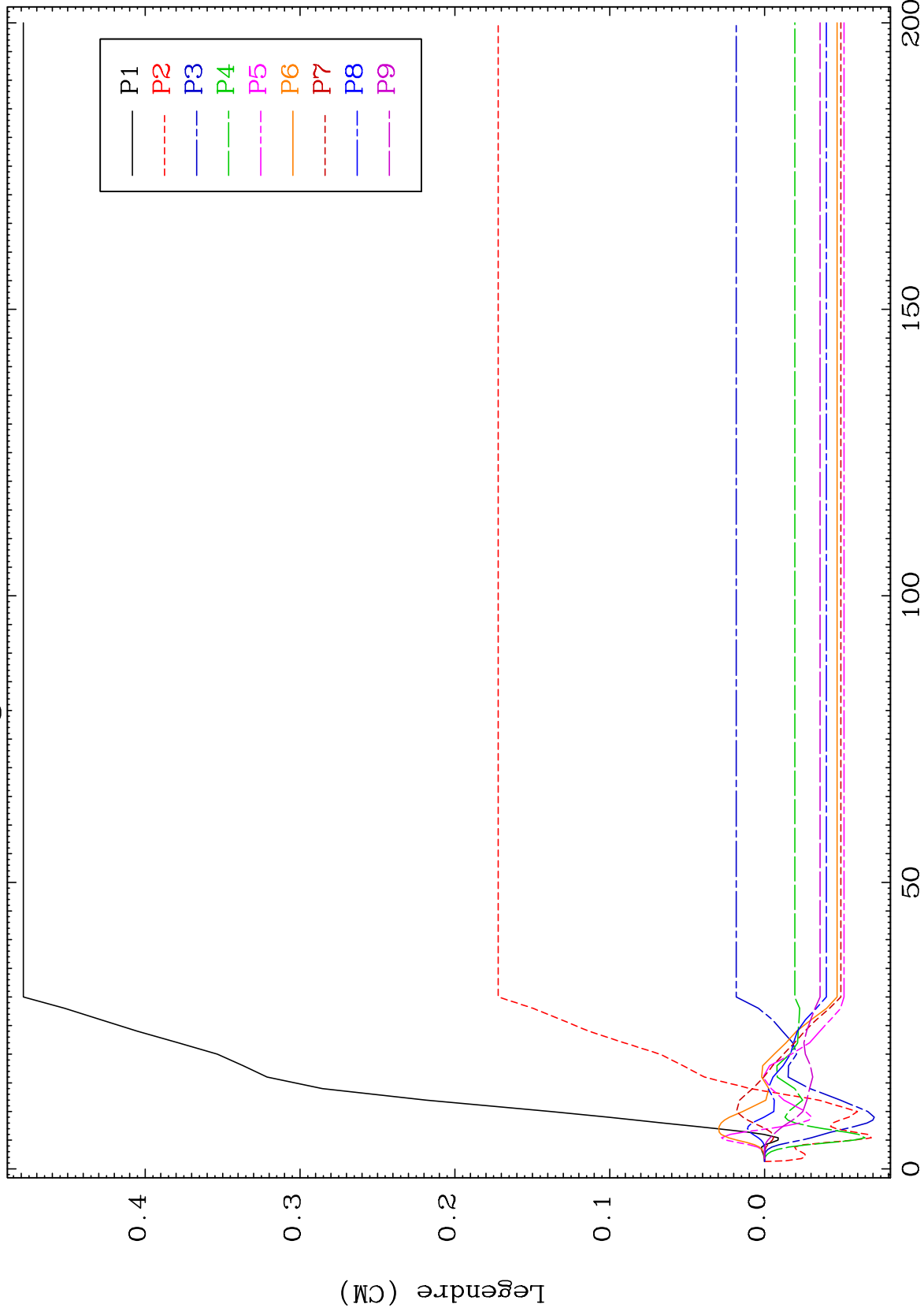




MAT 7067

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

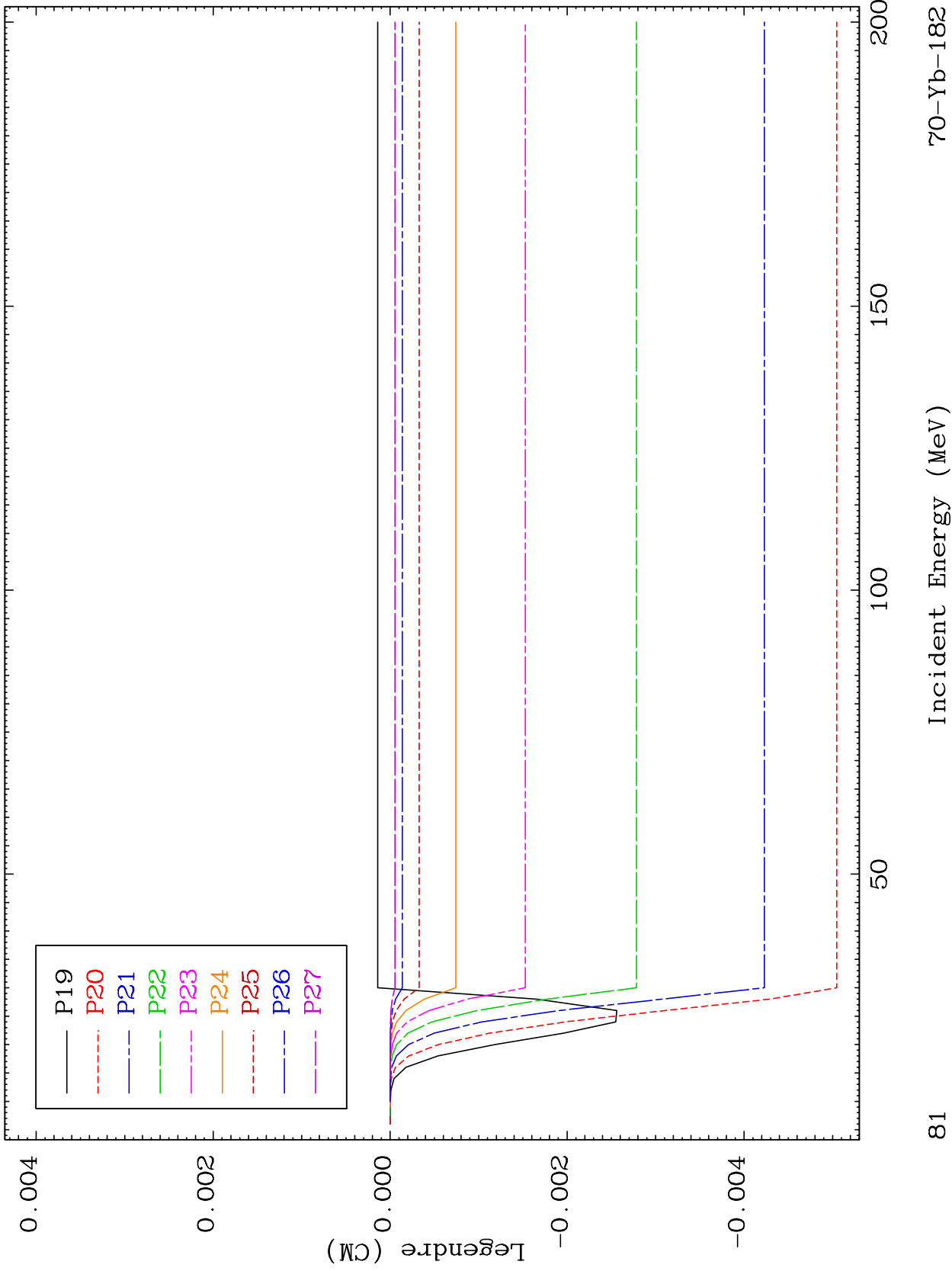
70-Yb-182

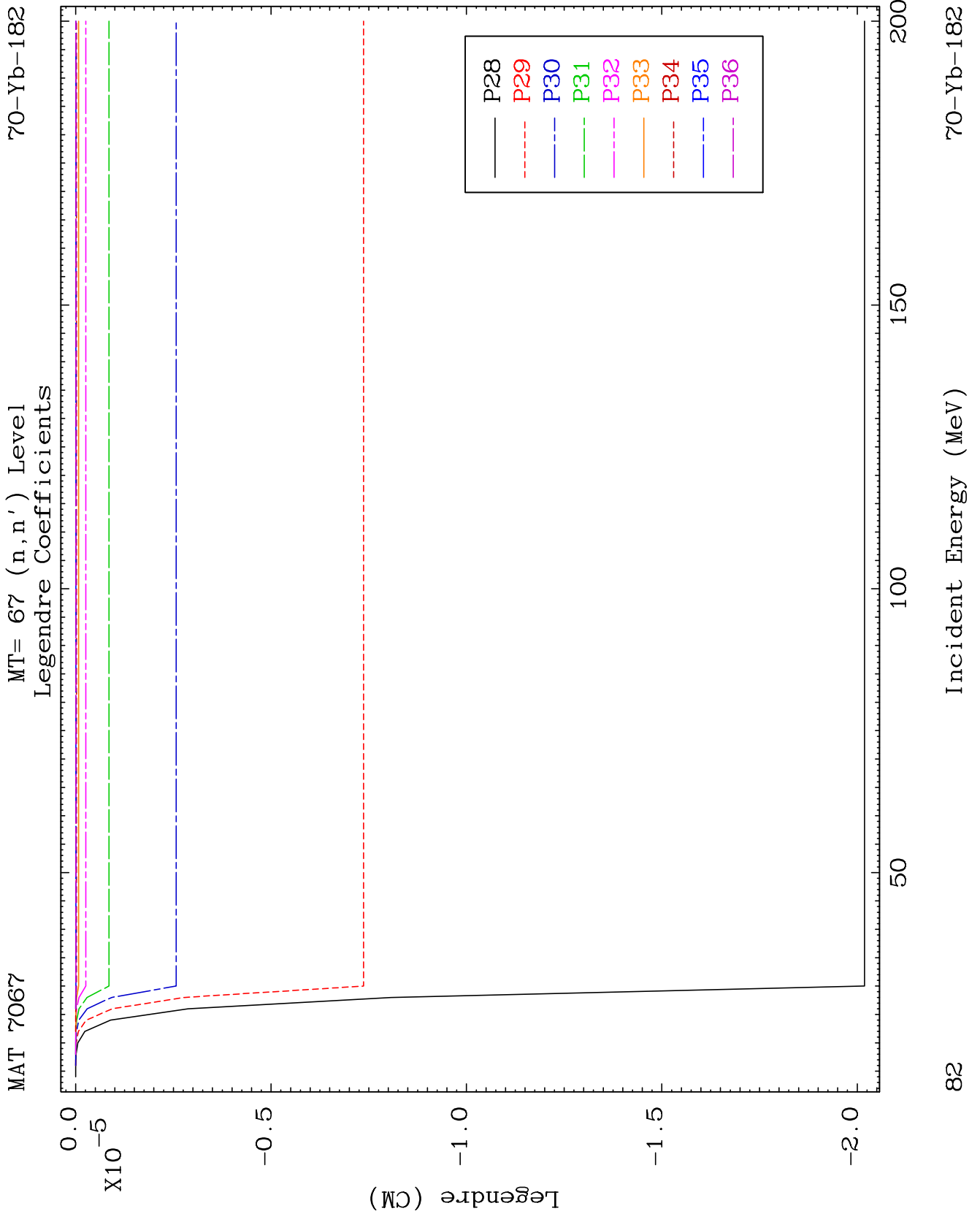


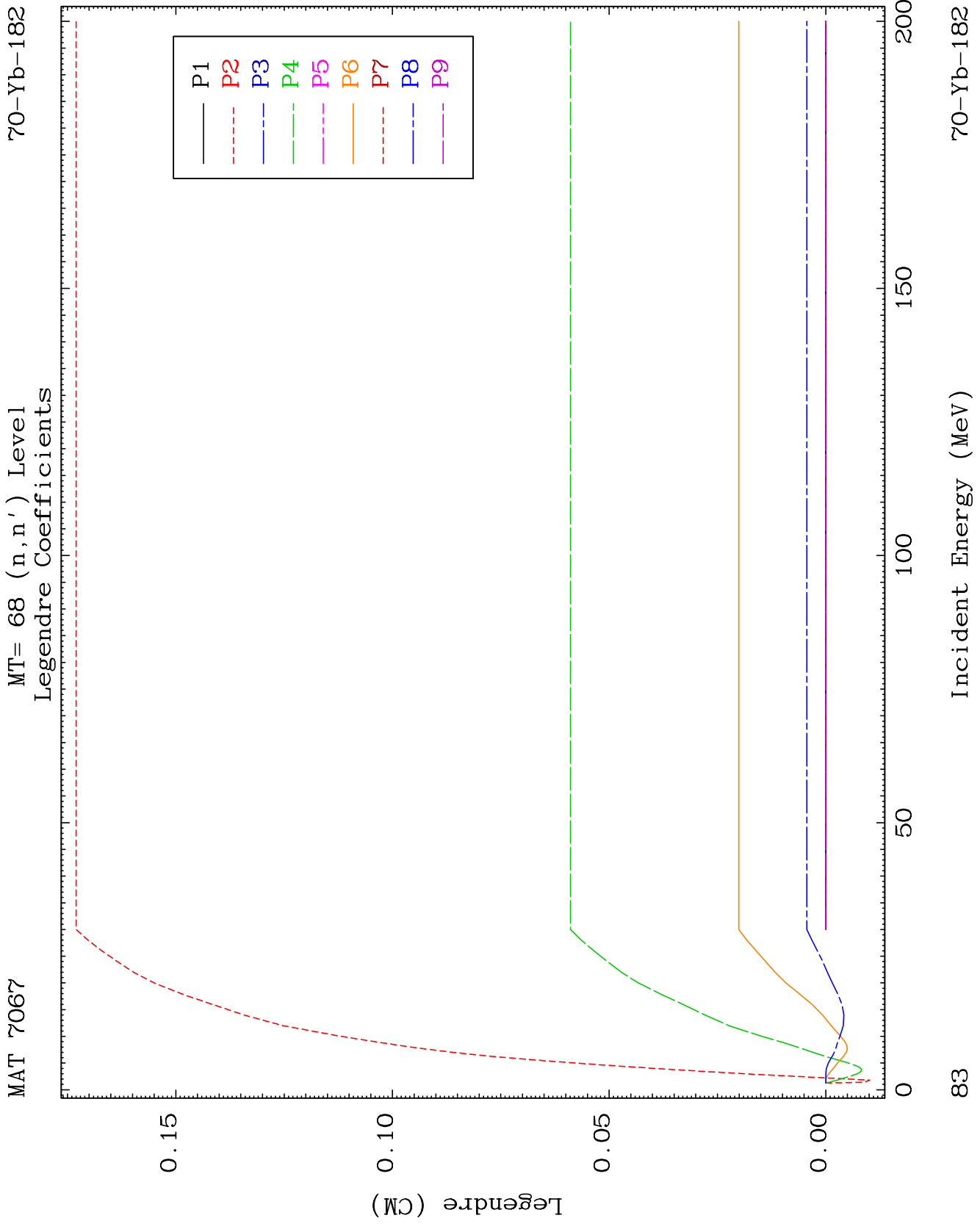
79

Incident Energy (MeV)

70-Yb-182



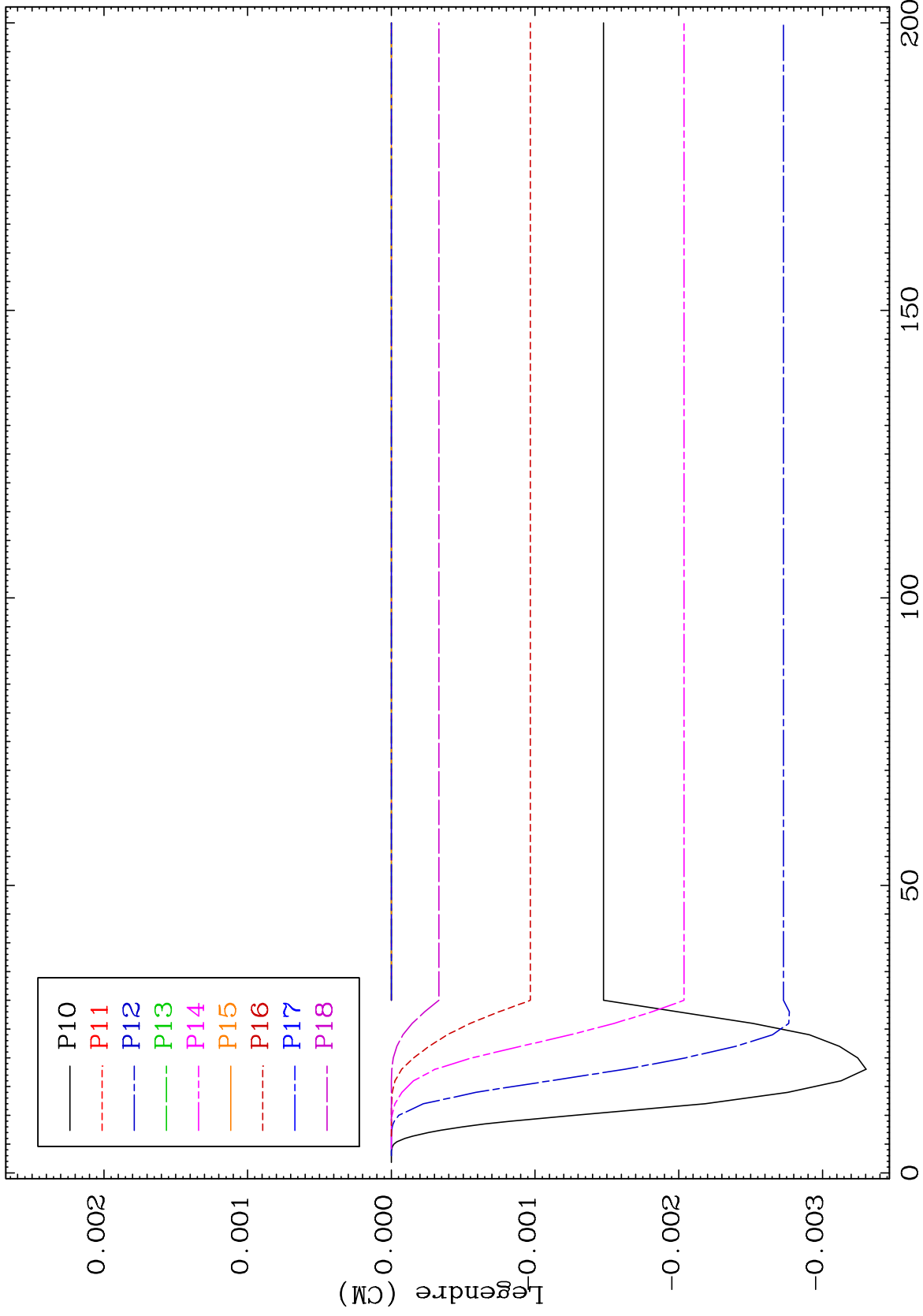




MAT 7067

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

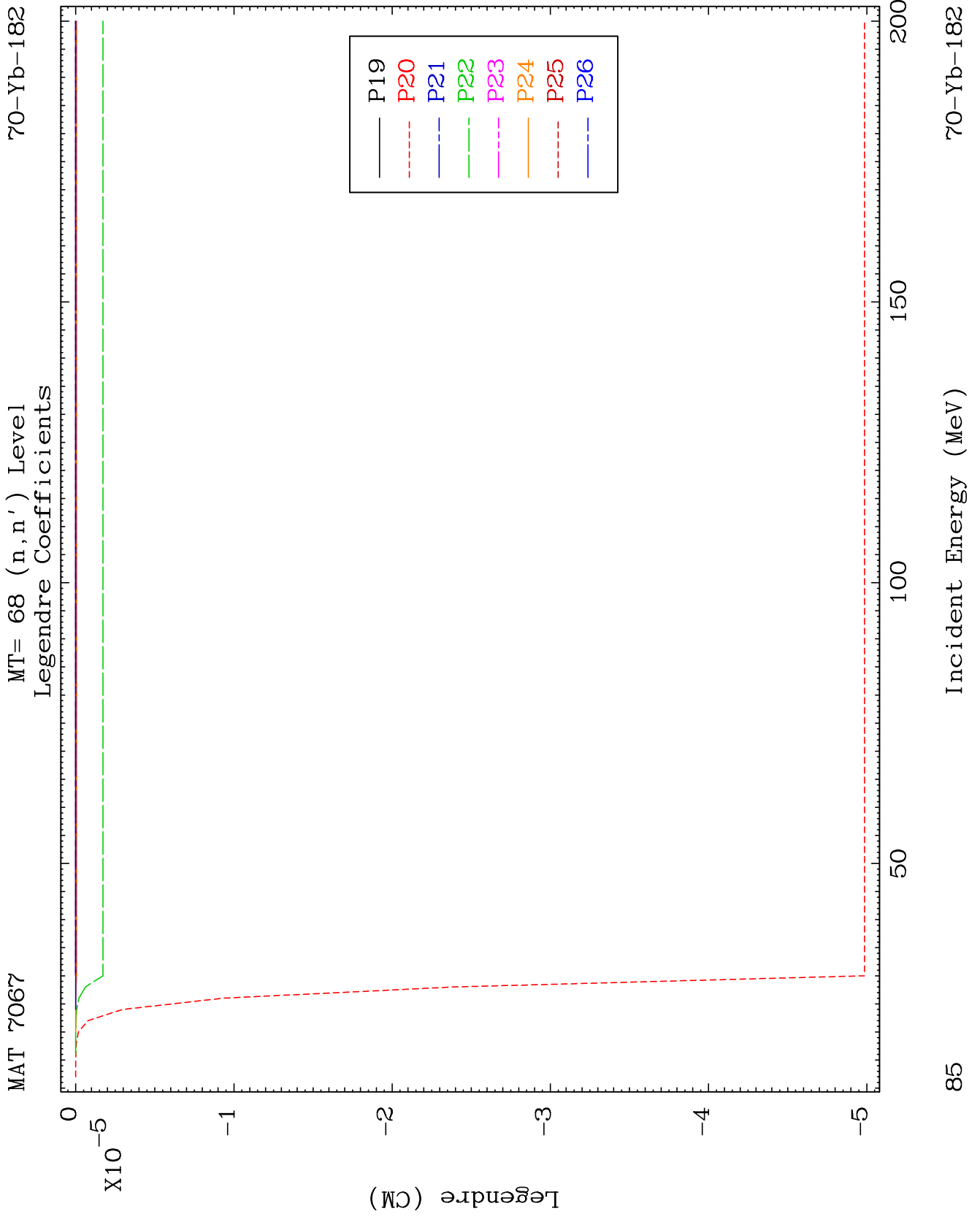
70-Yb-182

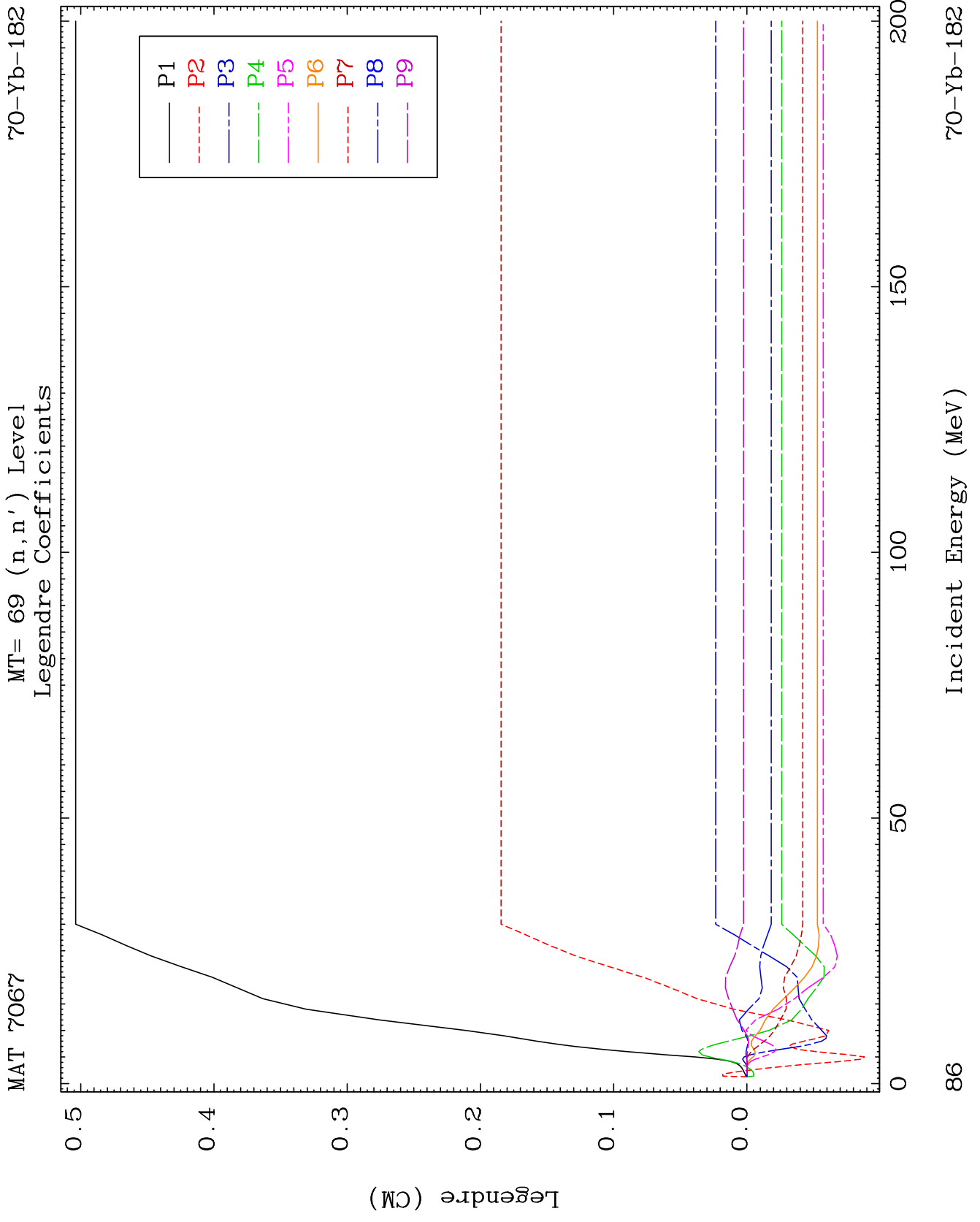


84

Incident Energy (MeV)

70-Yb-182

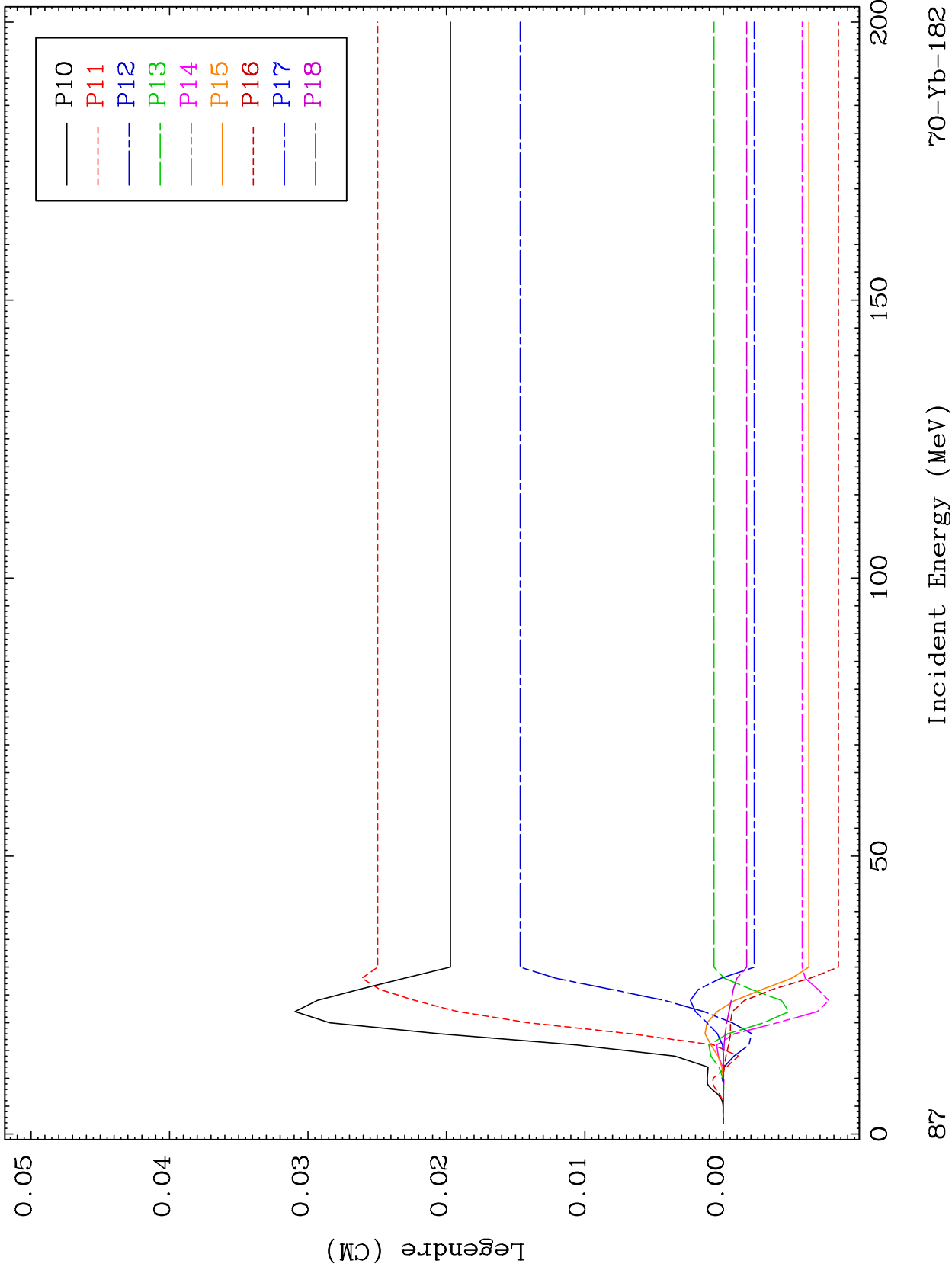




MAT 7067

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

70-Yb-182



87

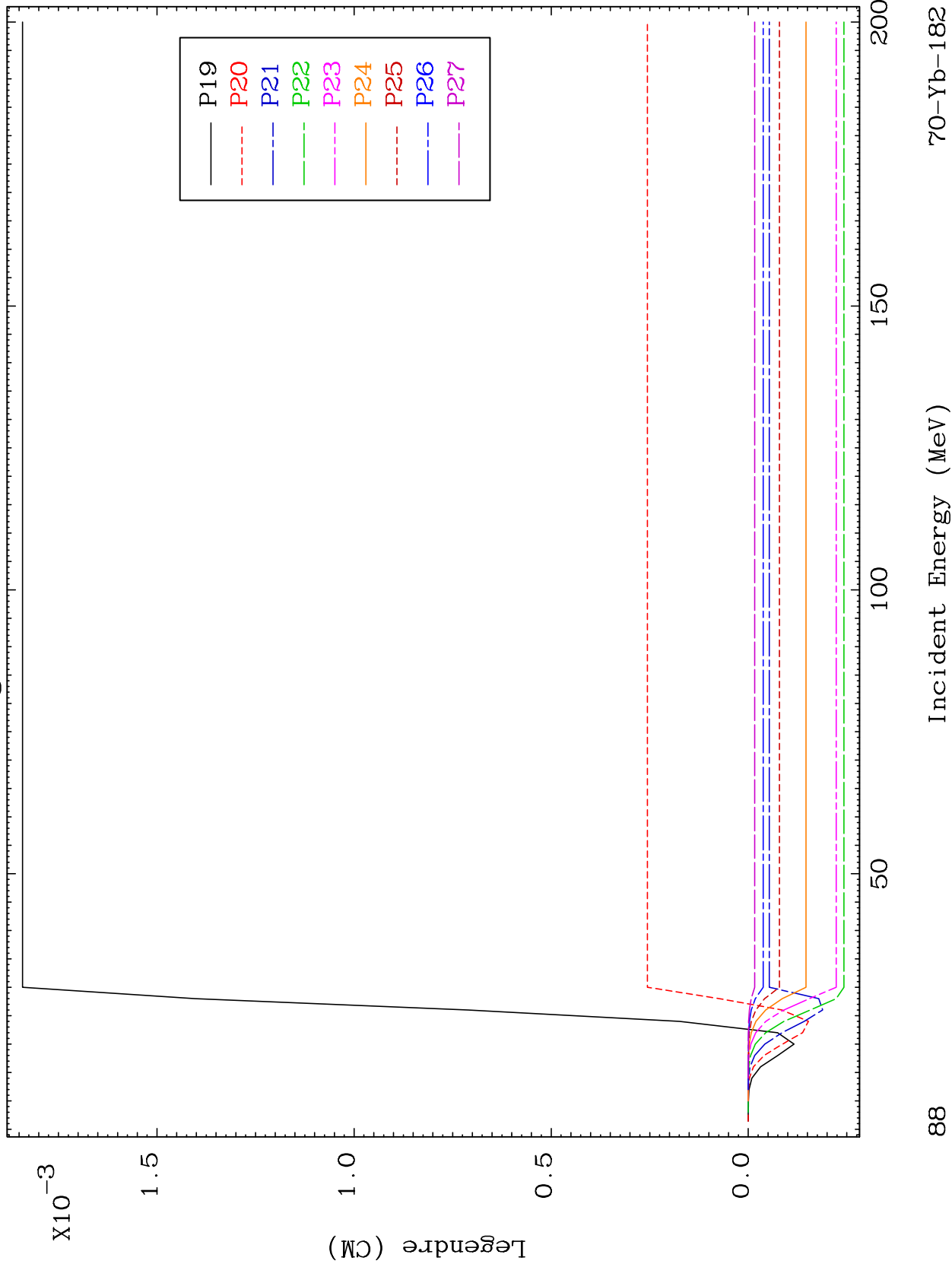
Incident Energy (MeV)

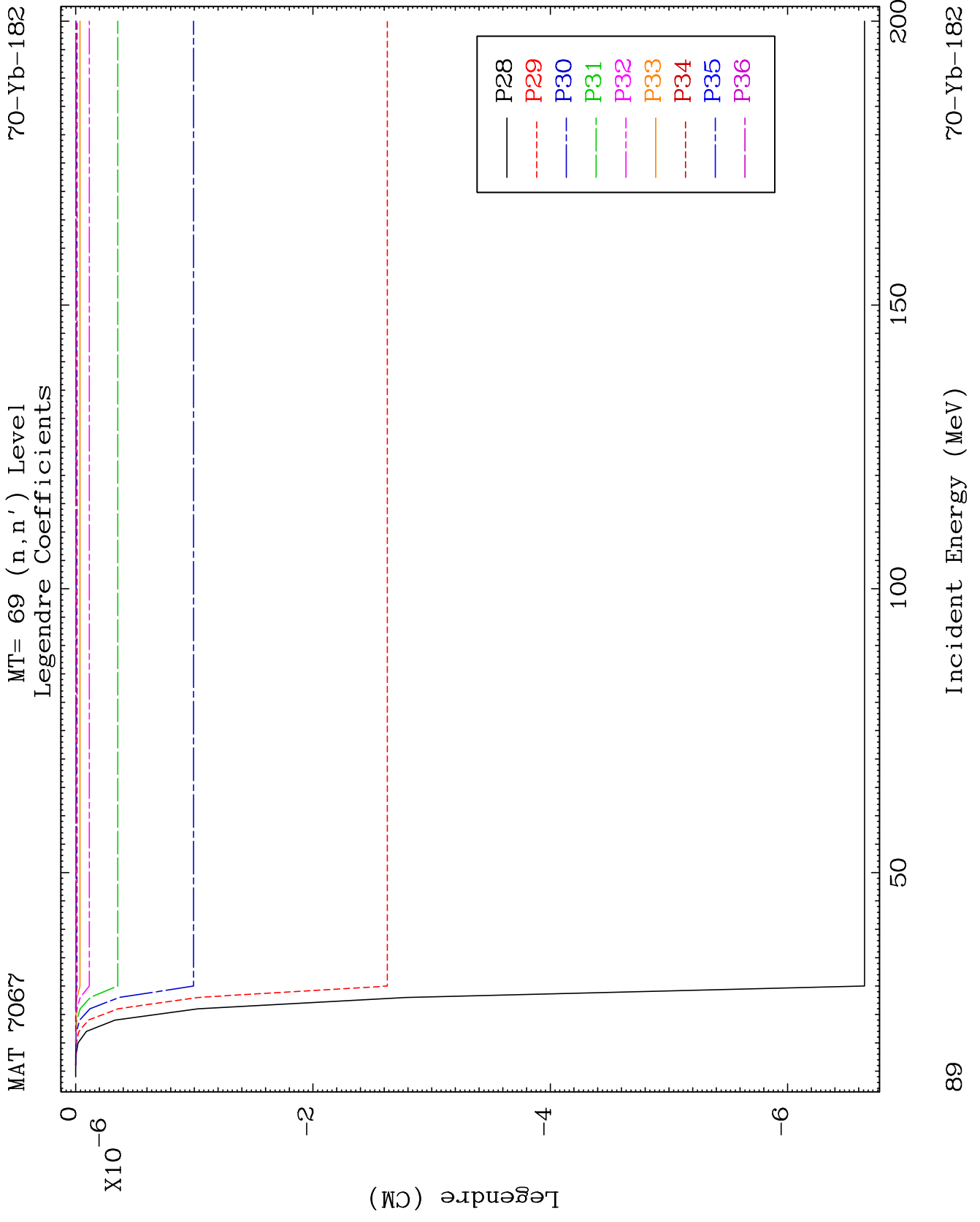
70-Yb-182

MAT 7067

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

70-Yb-182

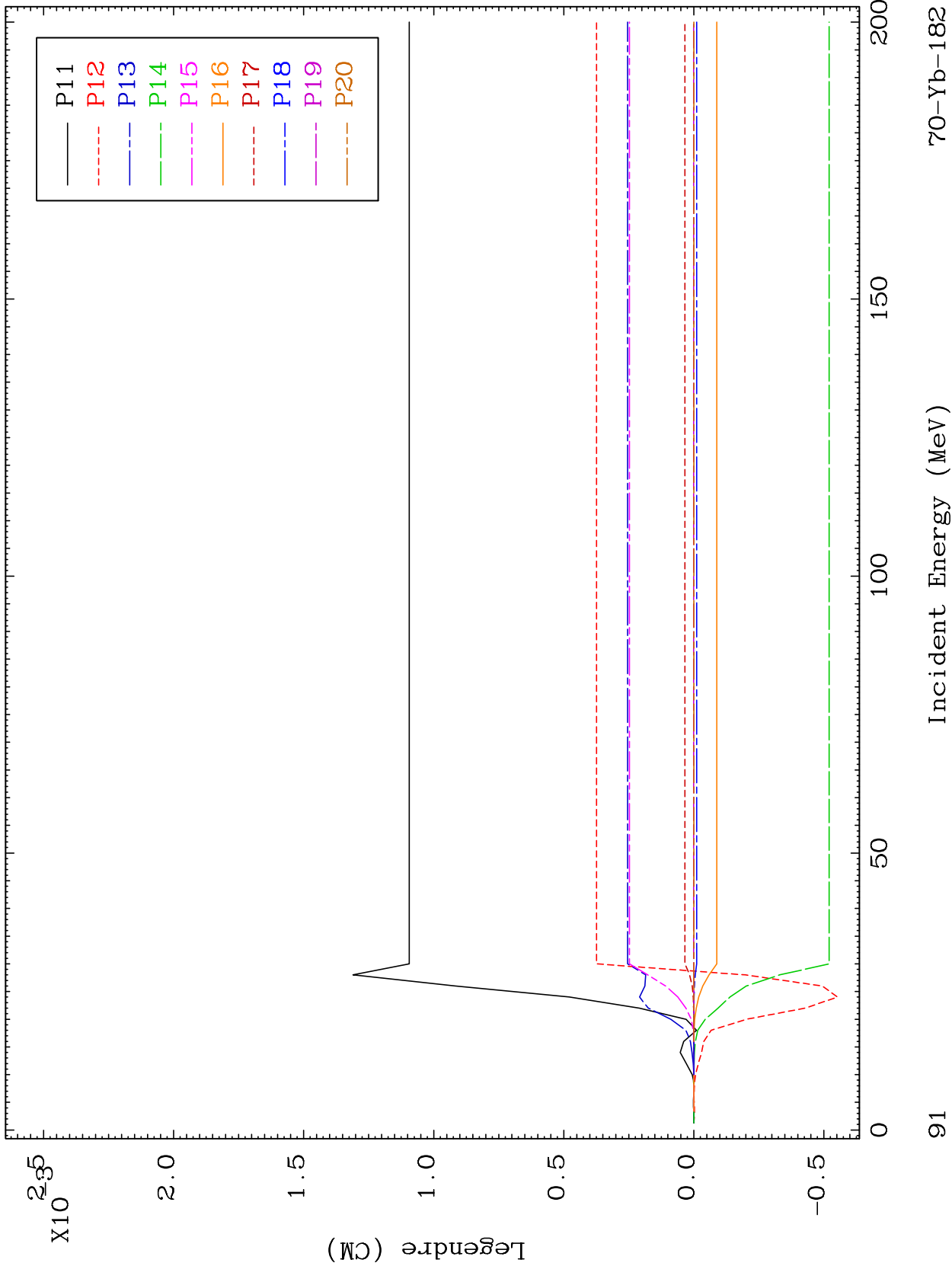


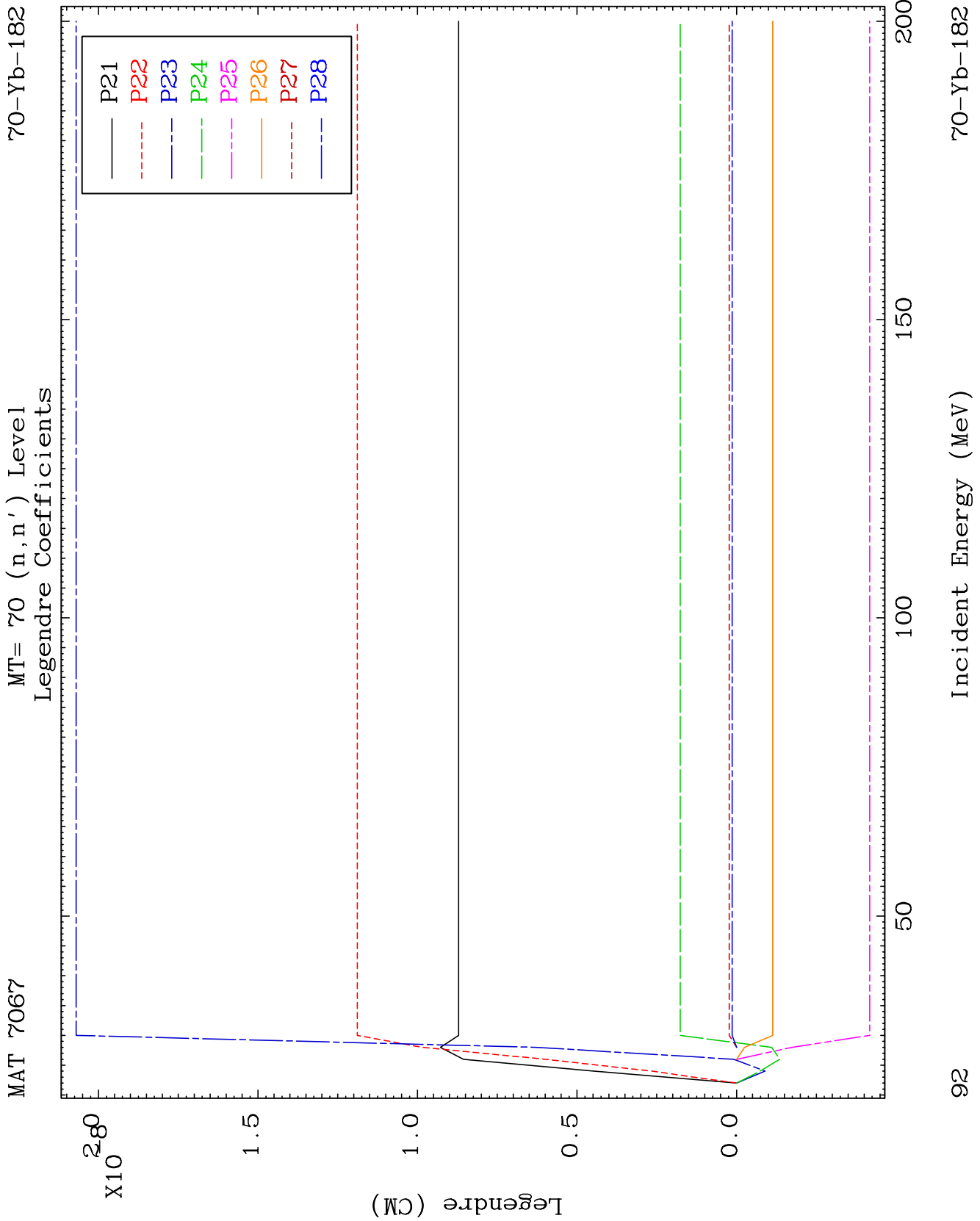


MAT 7067

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

70-Yb-182

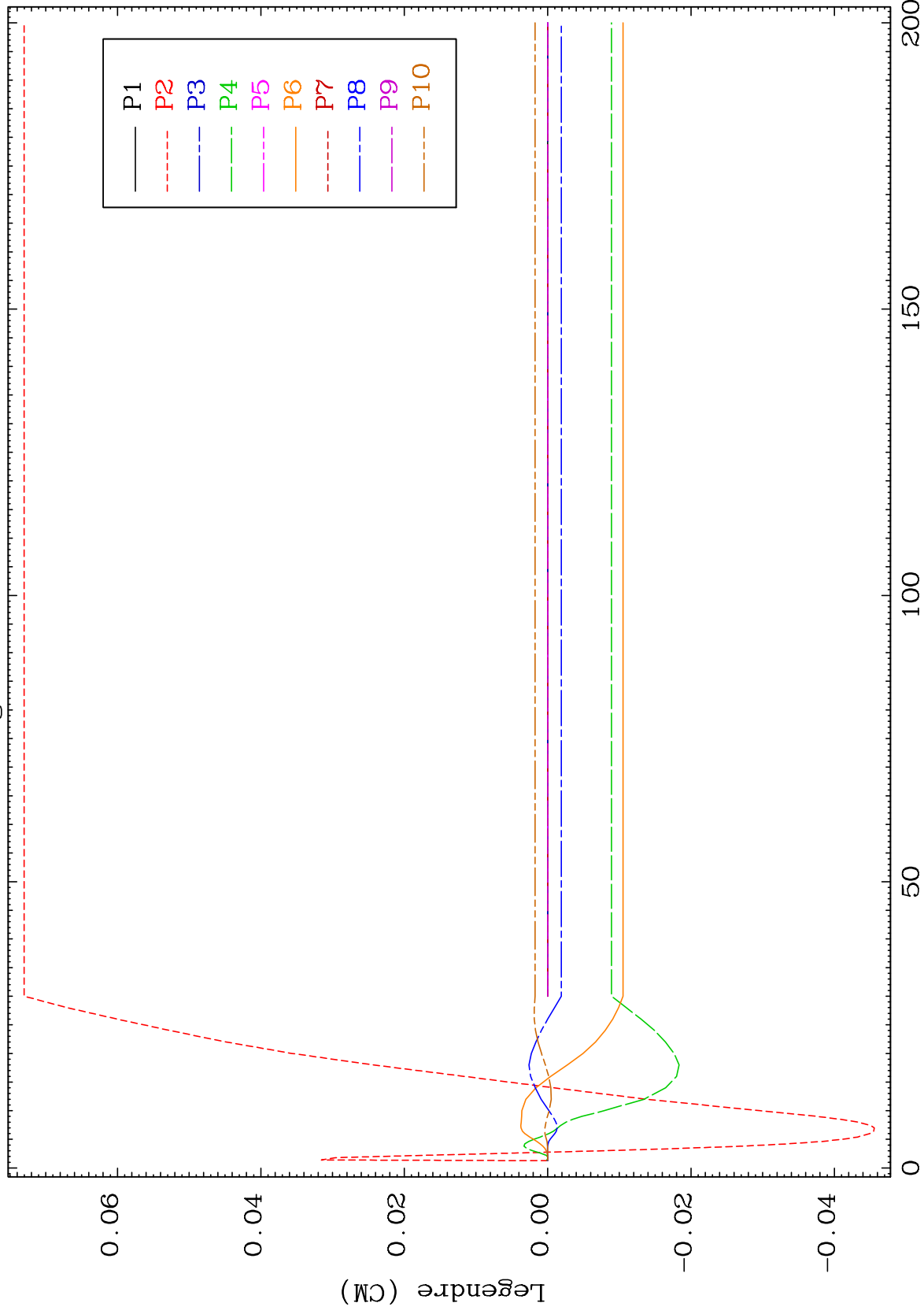




MAT 7067

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

70-Yb-182



93

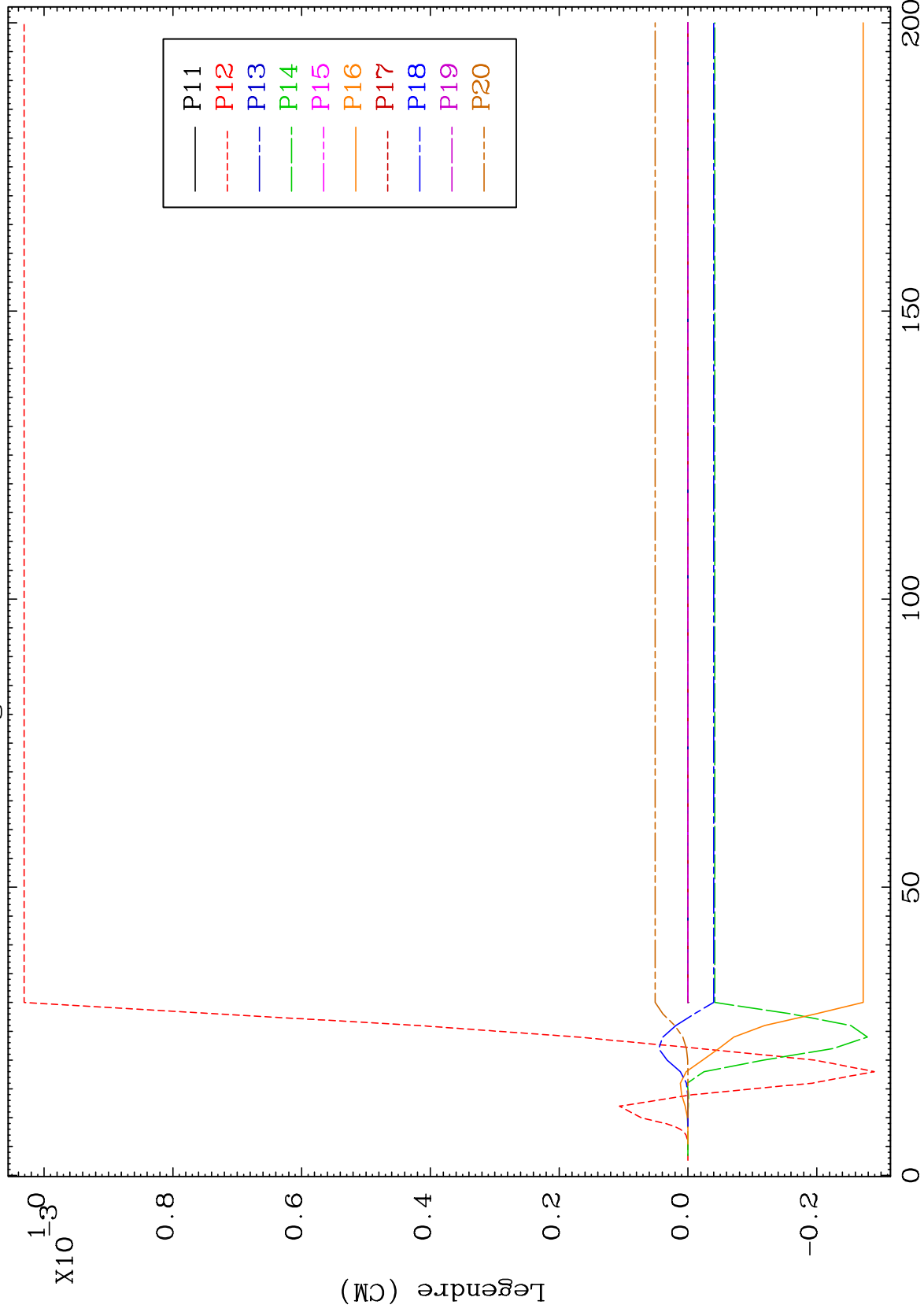
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



94

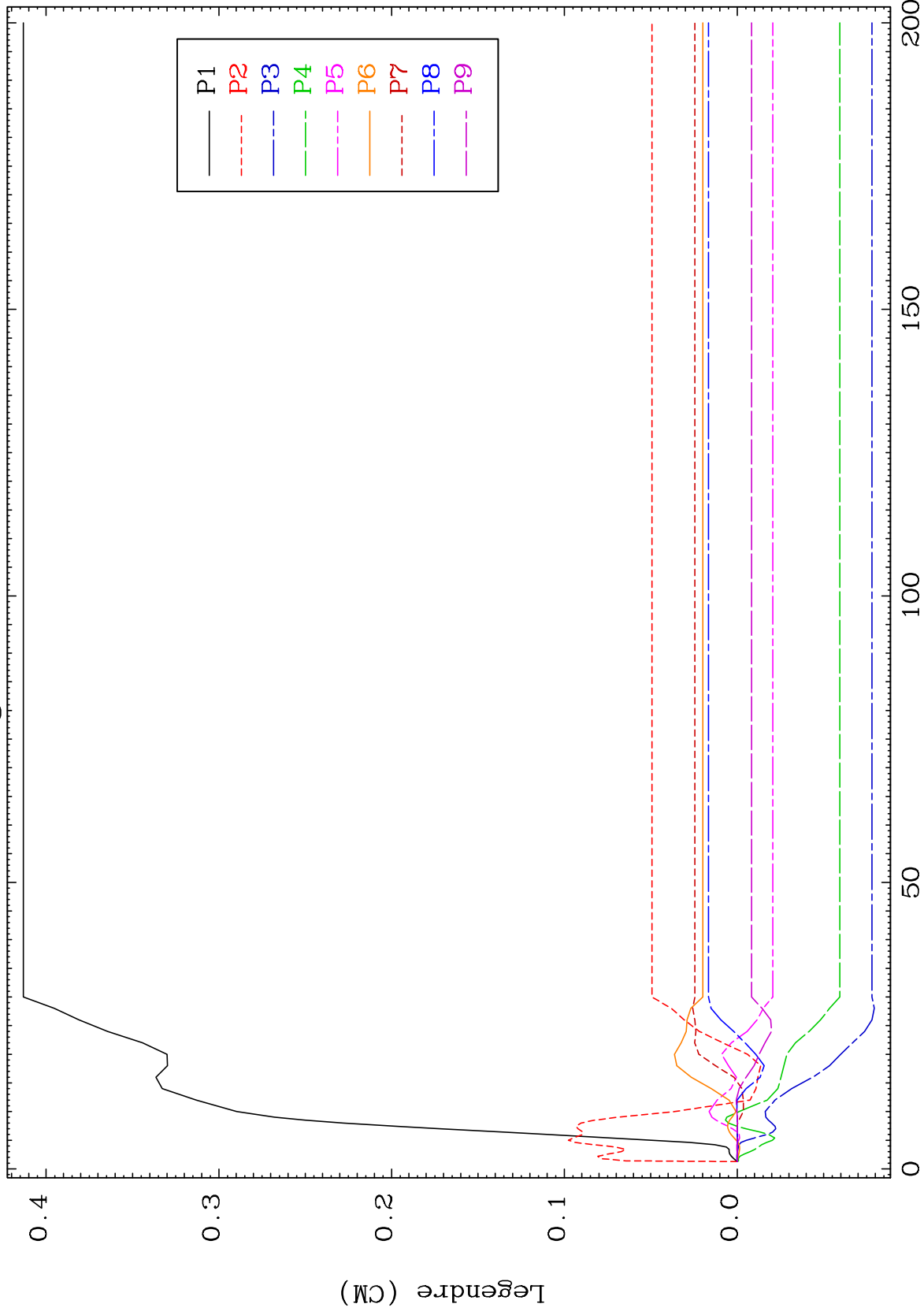
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



96

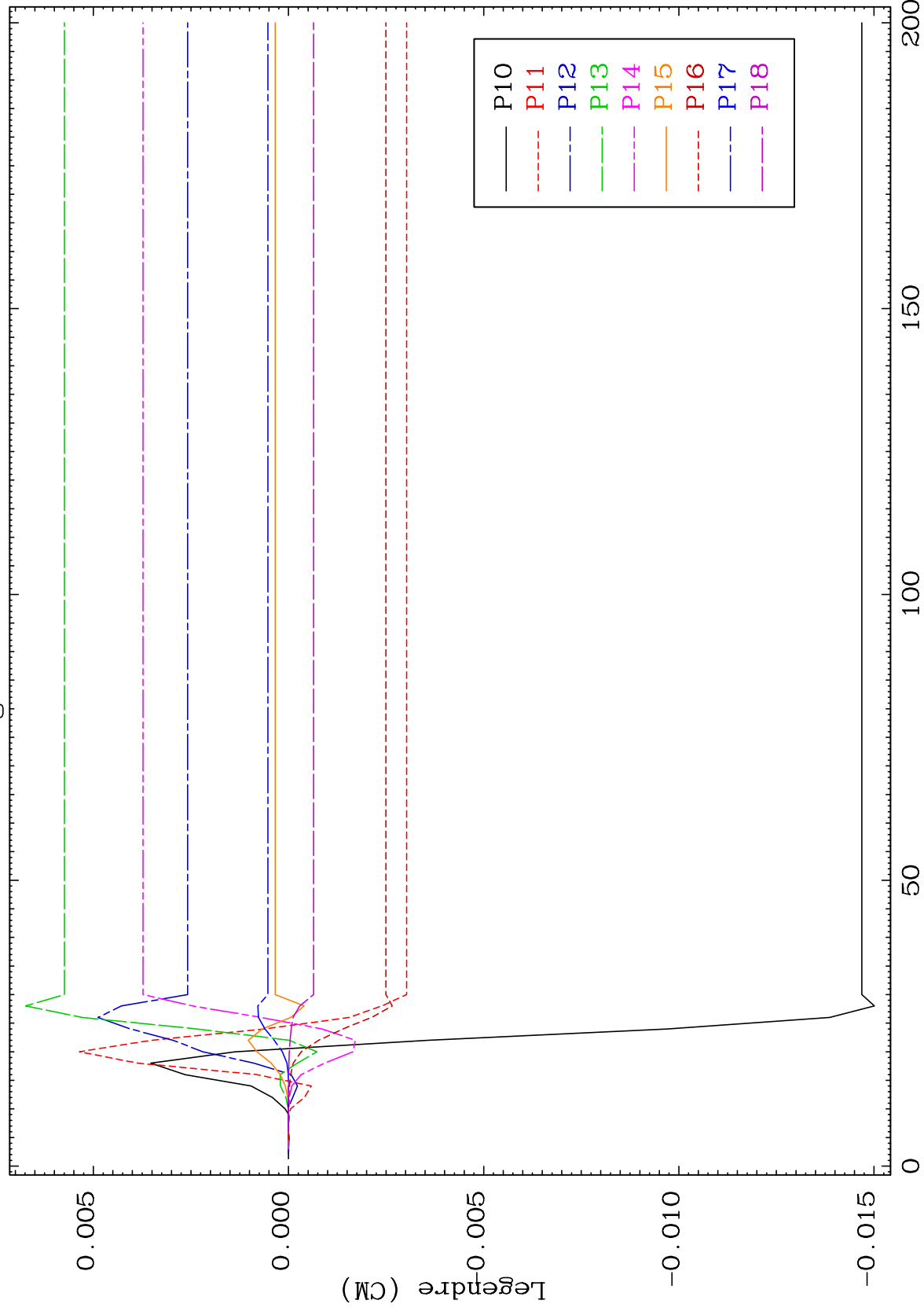
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



97

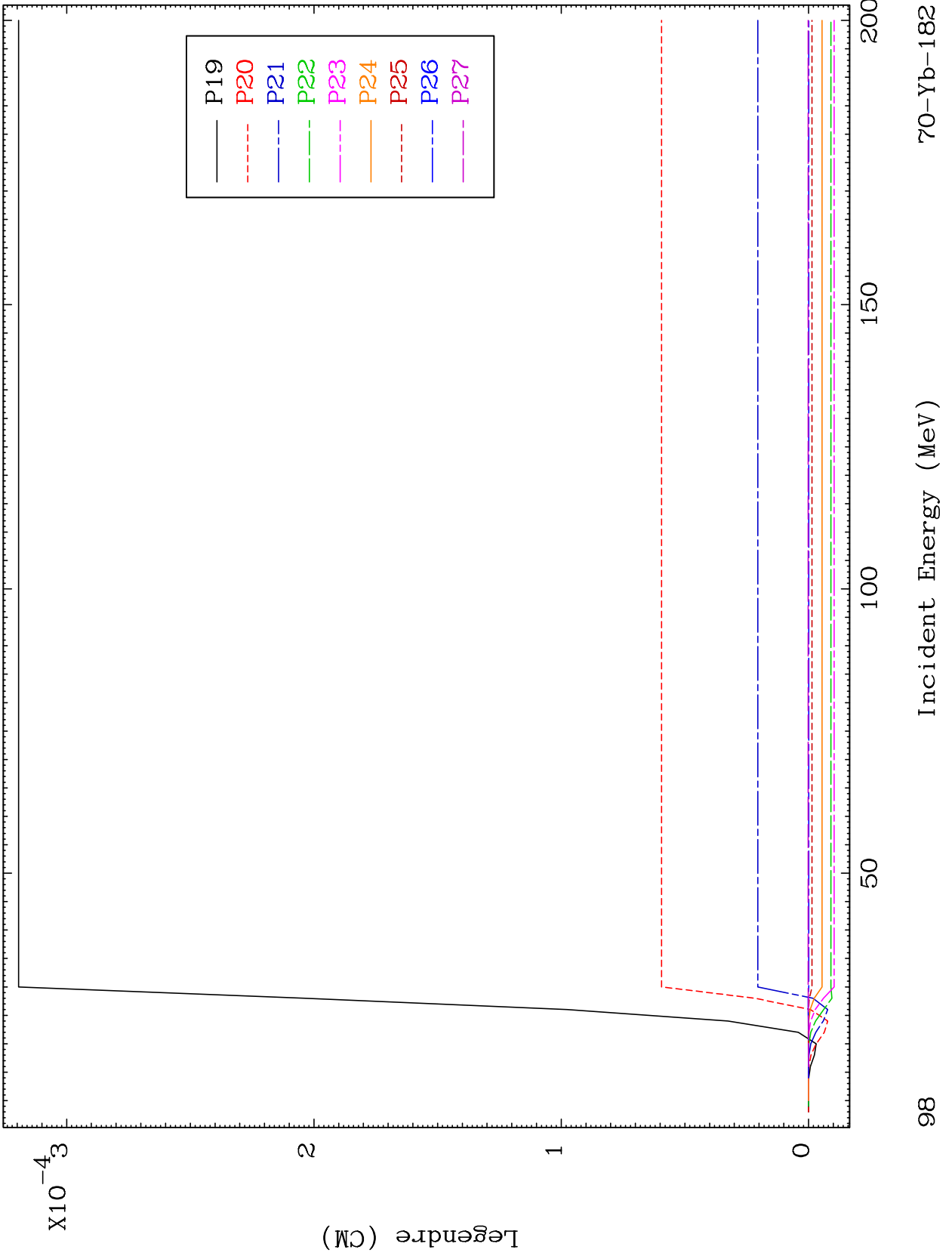
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

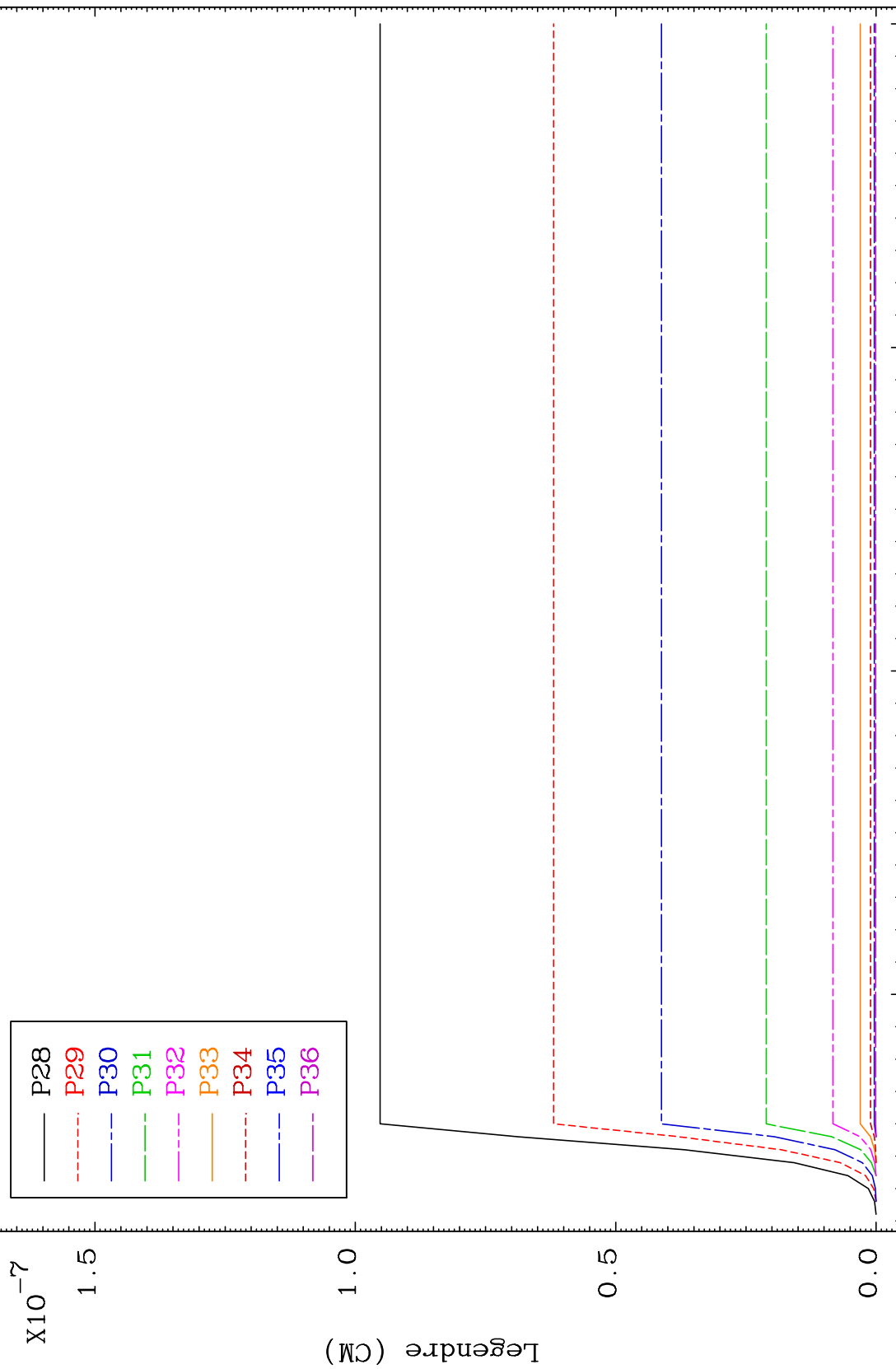
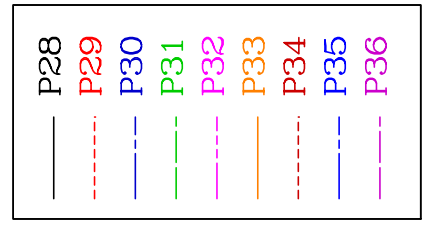
70-Yb-182



MAT 7067

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

70-Yb-182



99

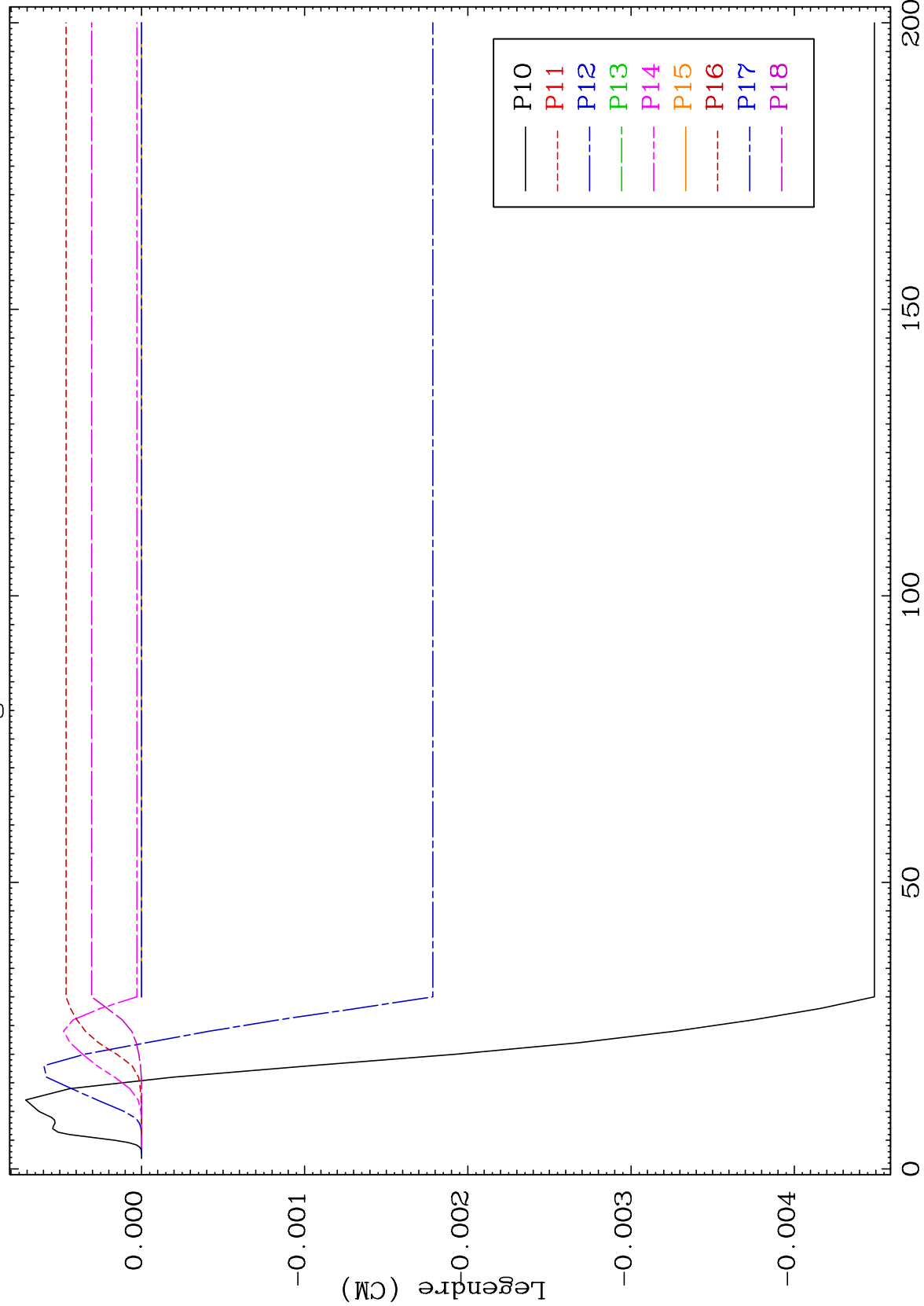
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

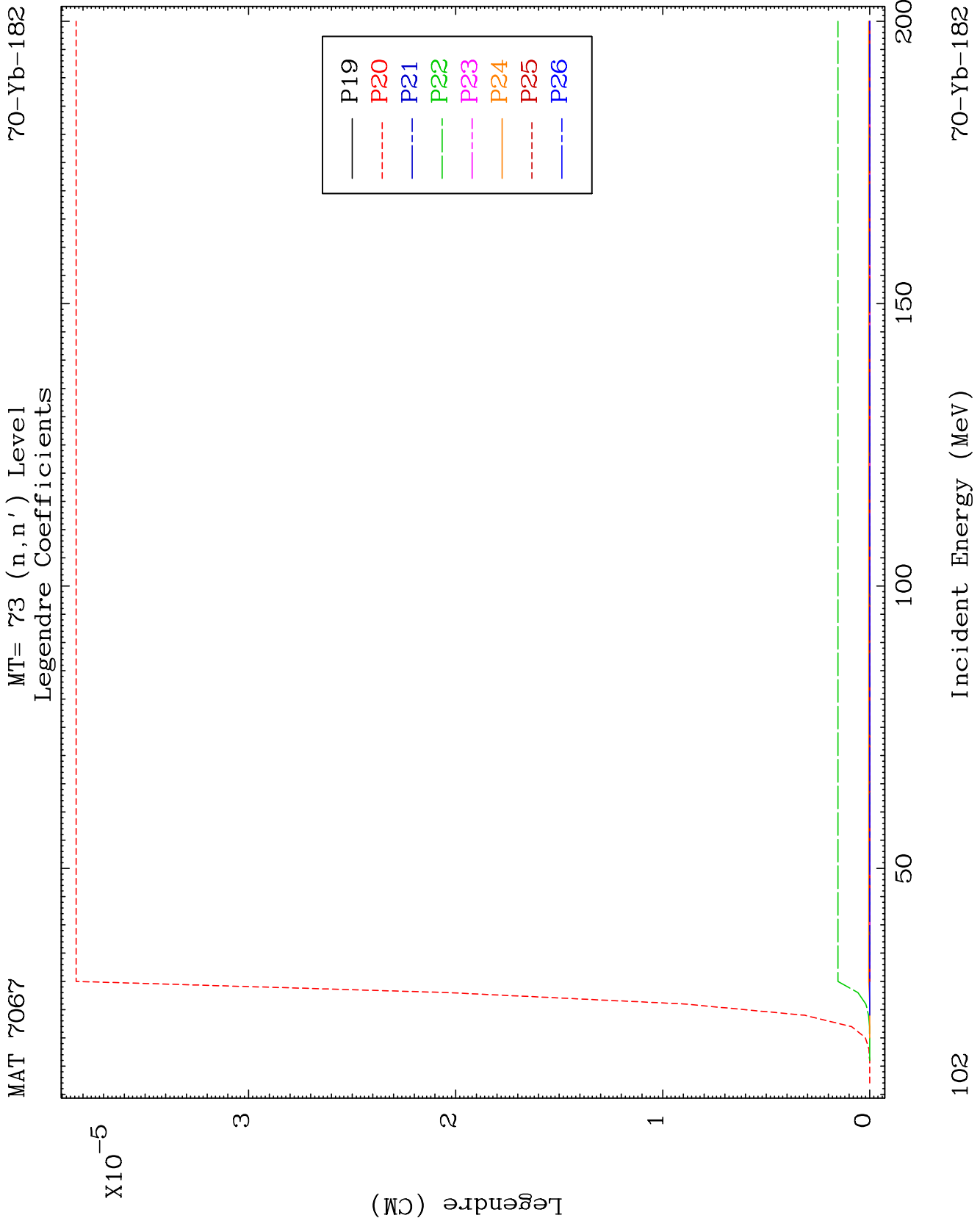
70-Yb-182

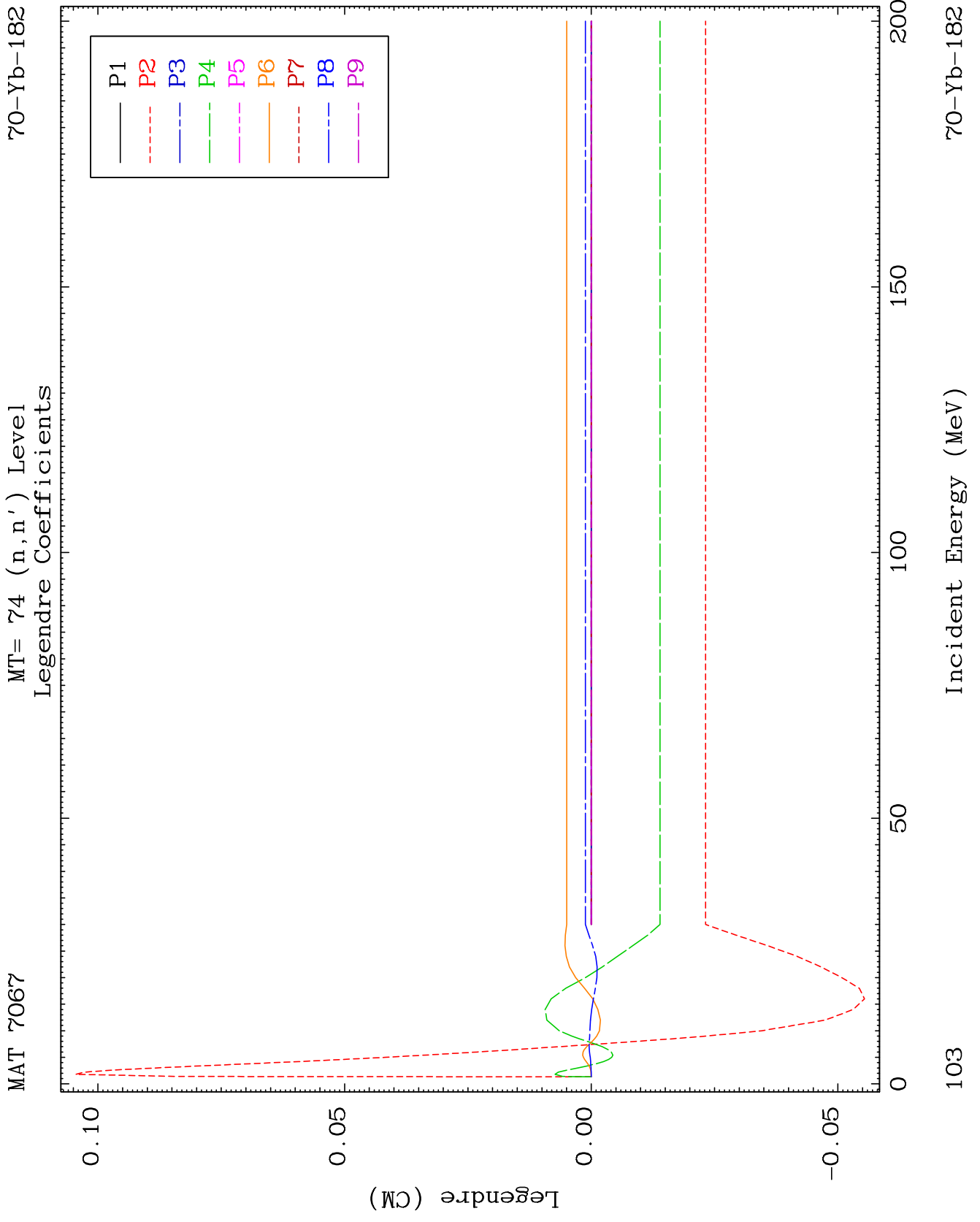


101

Incident Energy (MeV)

70-Yb-182

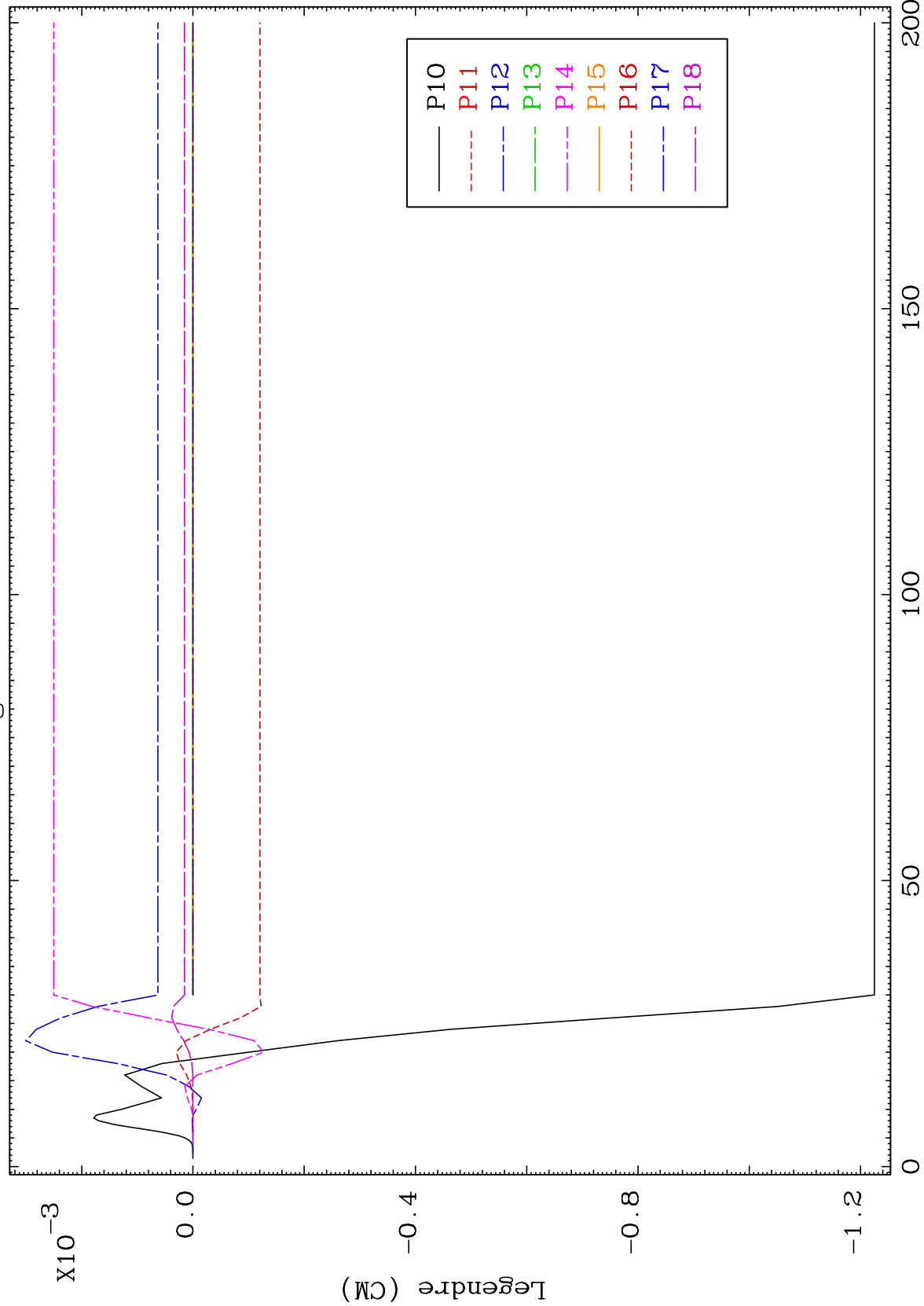




MAT 7067

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

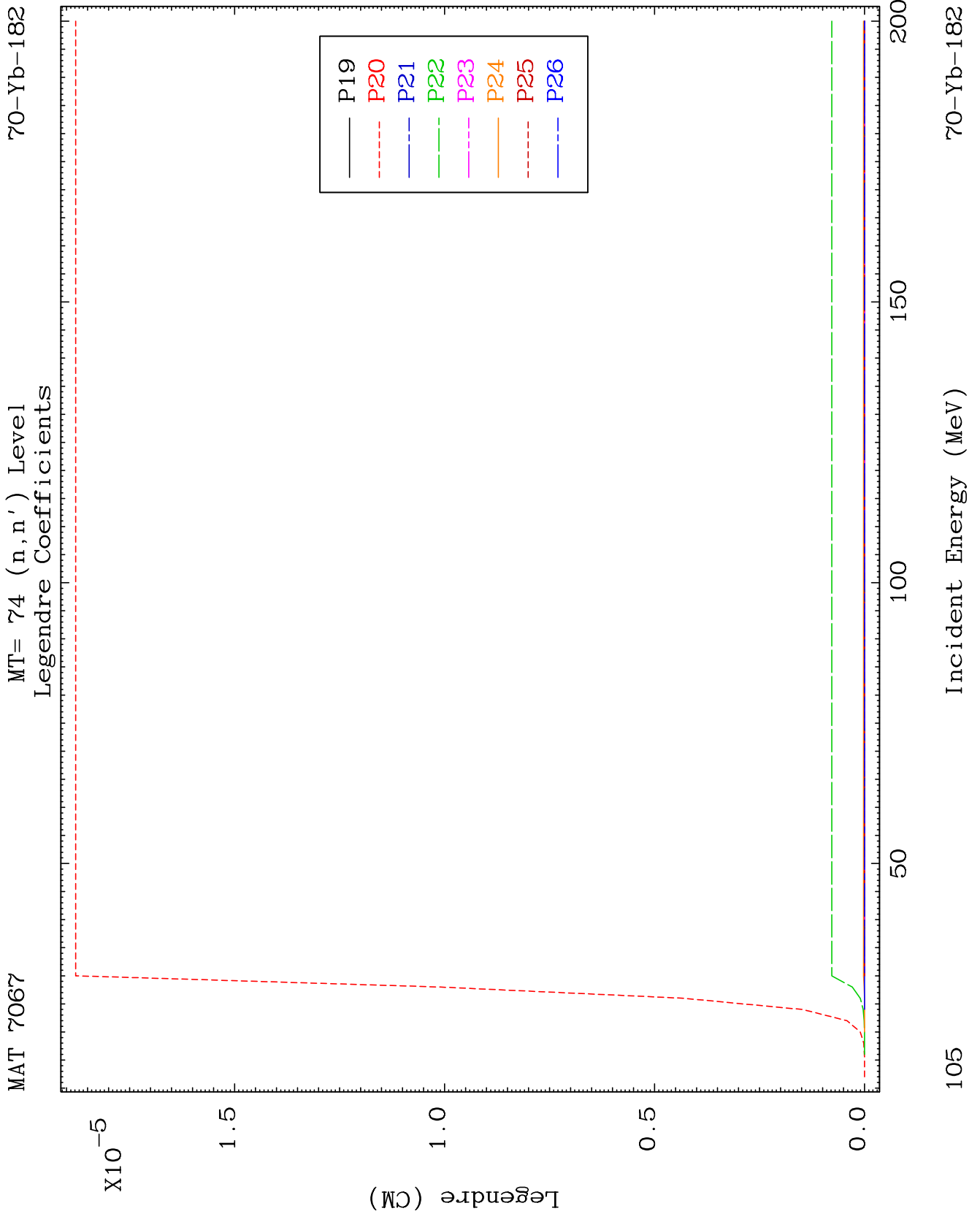
70-Yb-182



104

Incident Energy (MeV)

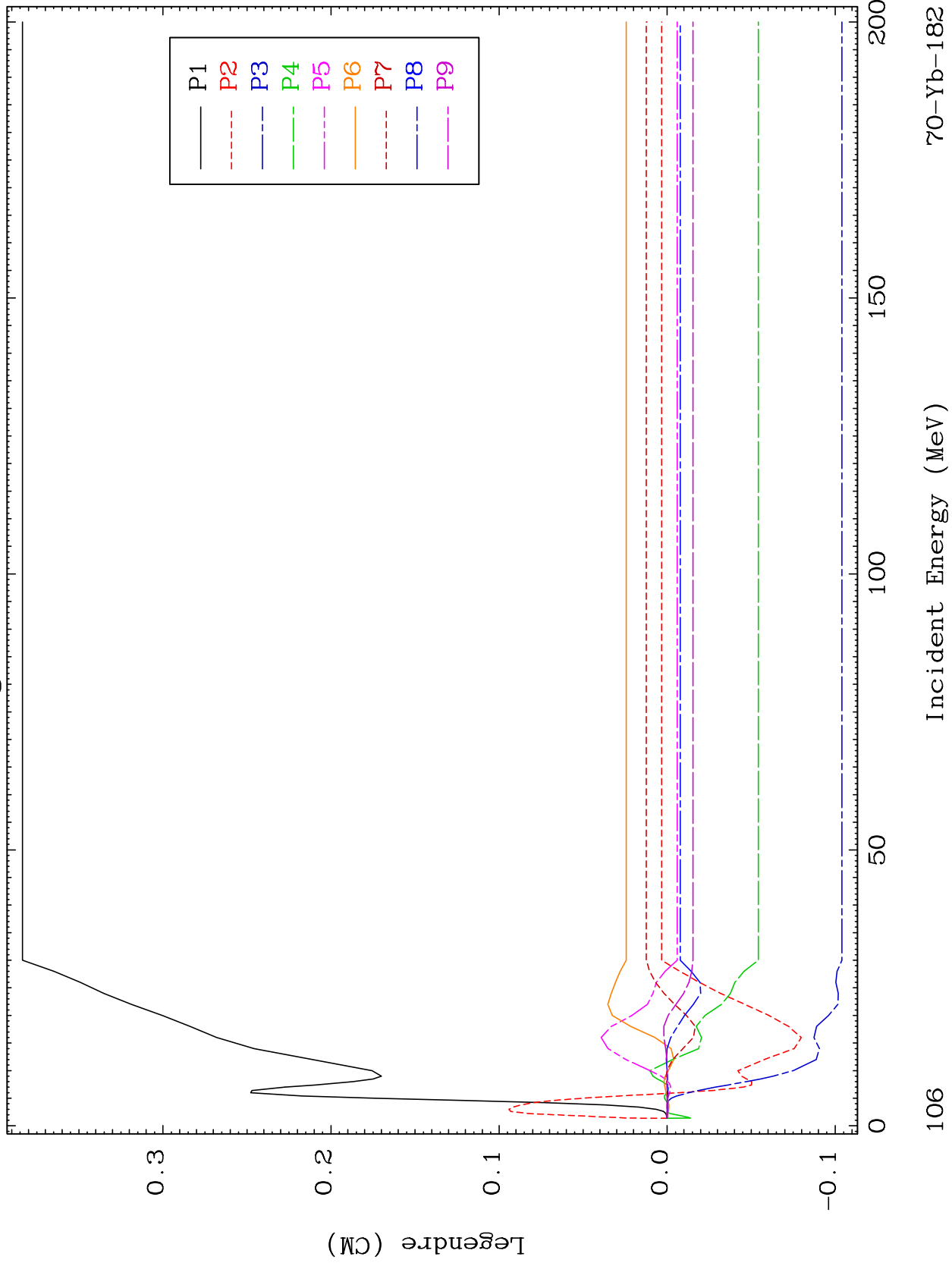
70-Yb-182



MAT 7067

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

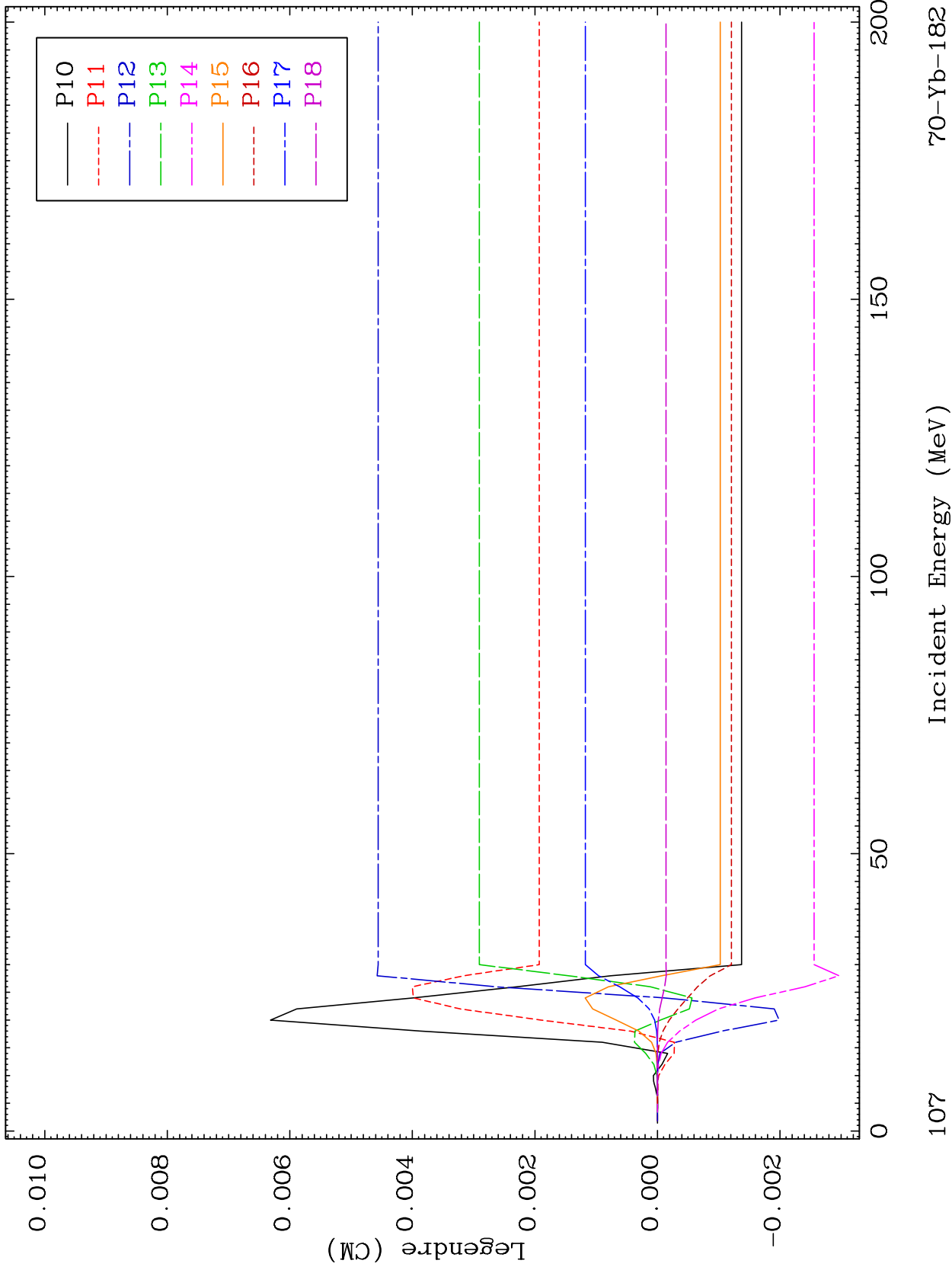
70-Yb-182



MAT 7067

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

70-Yb-182



107

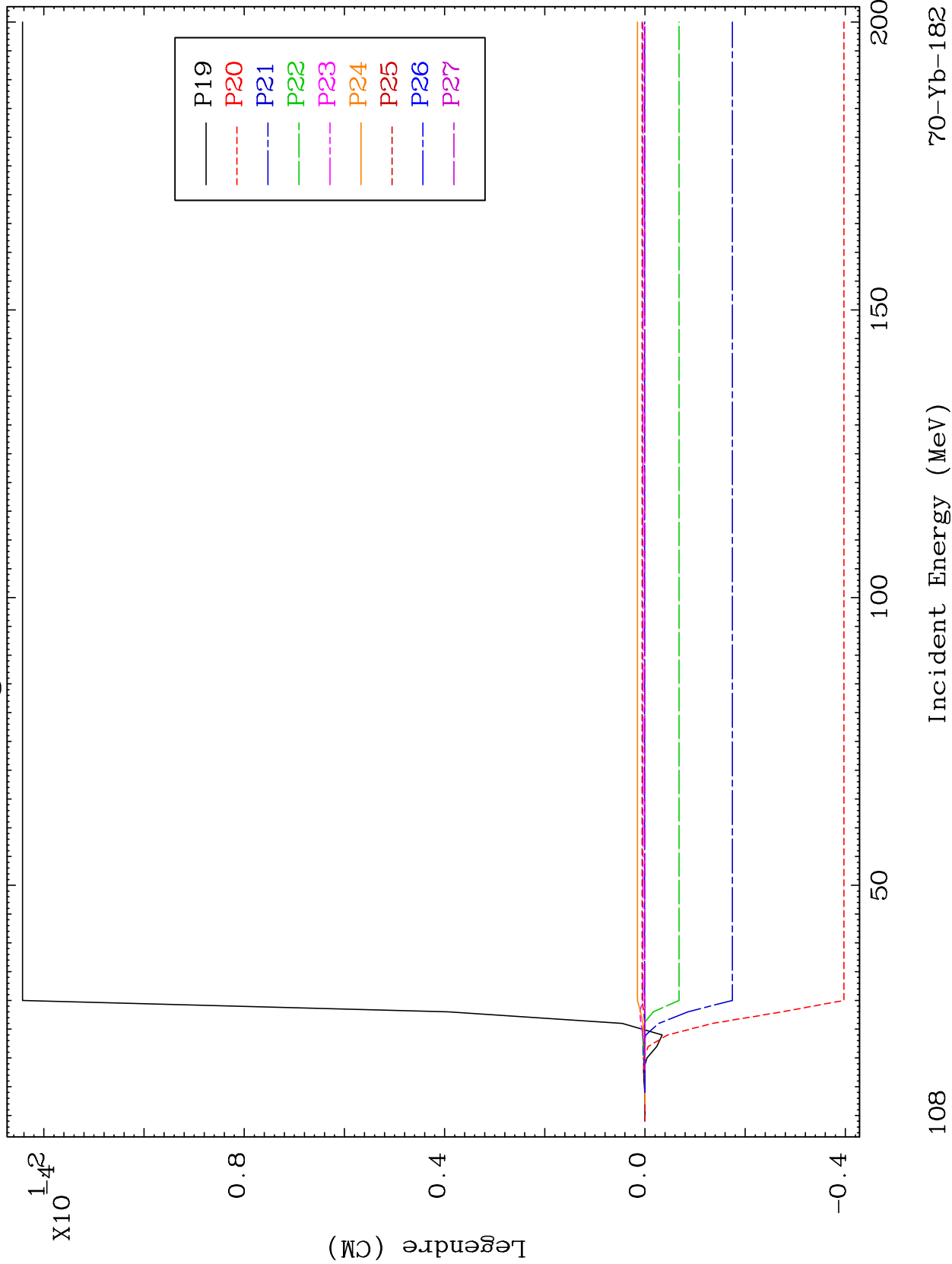
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

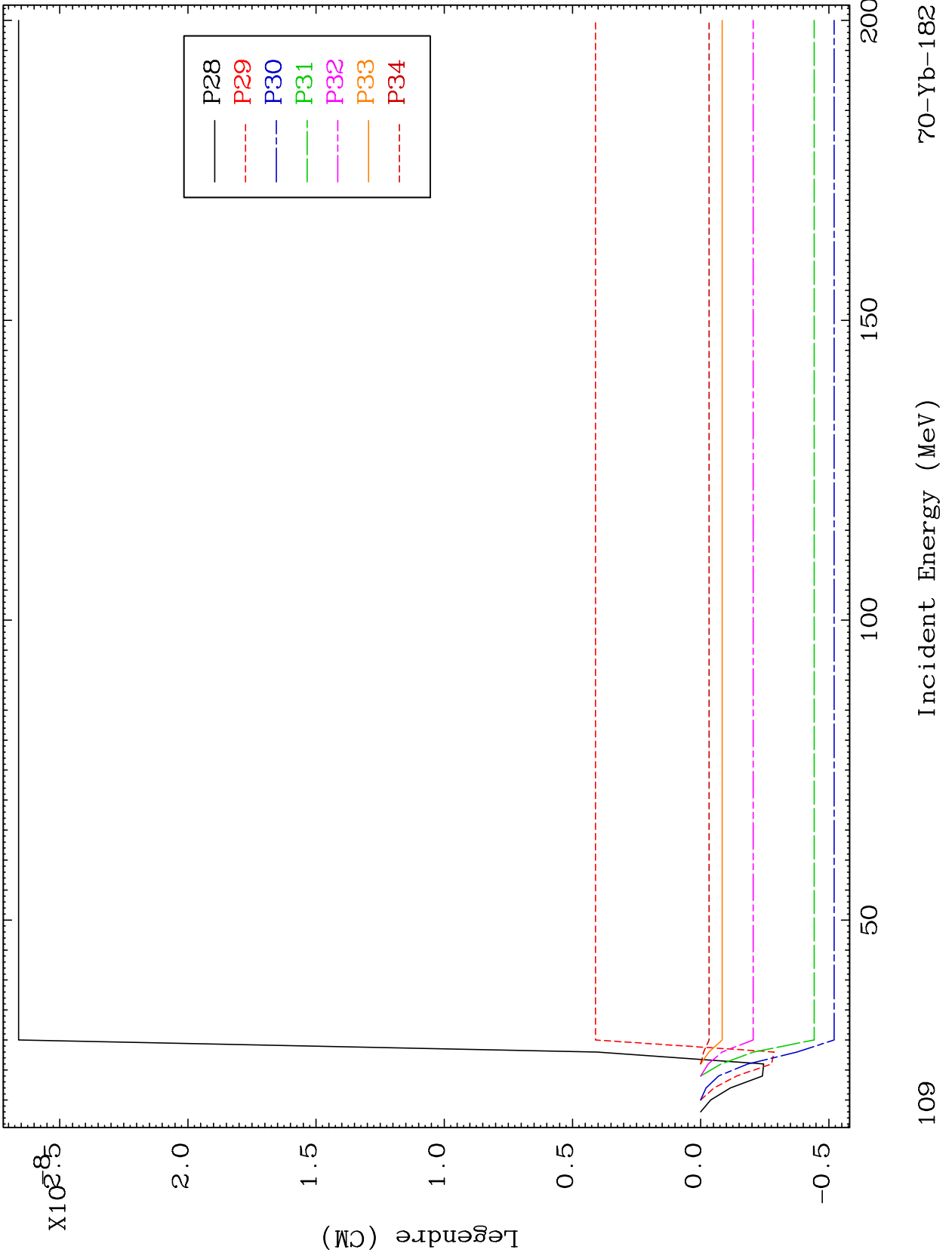
70-Yb-182

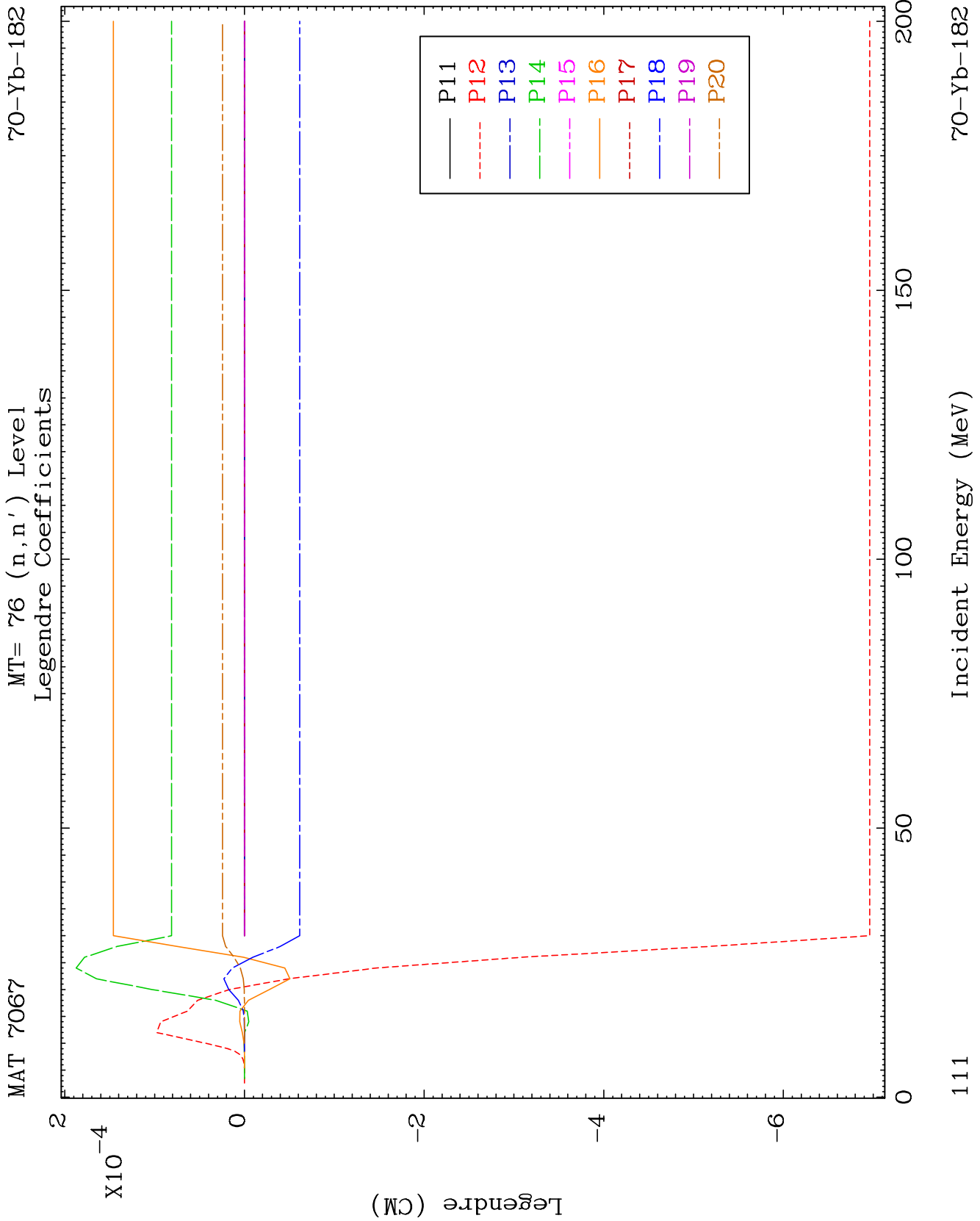


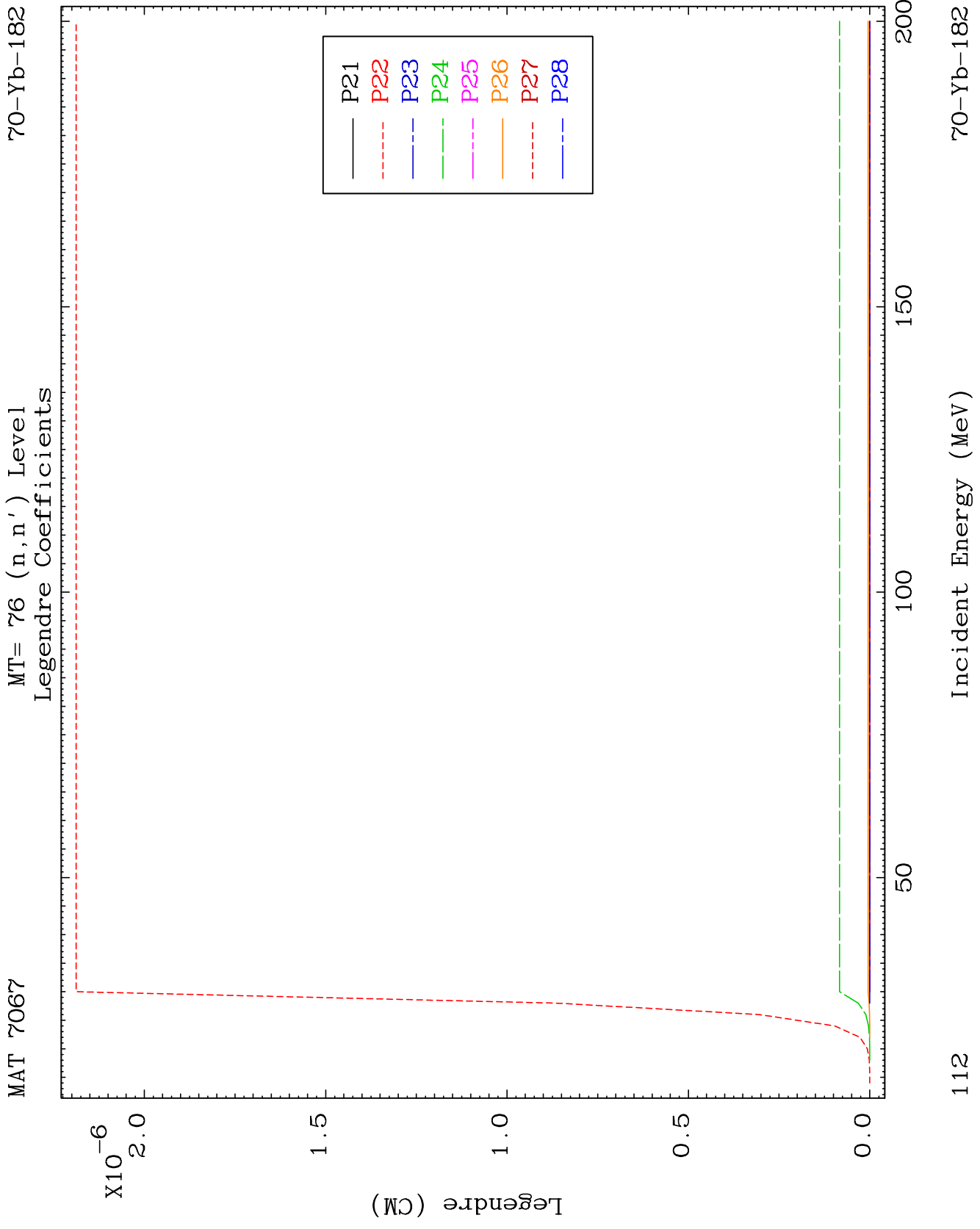
MAT 7067

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

70-Yb-182



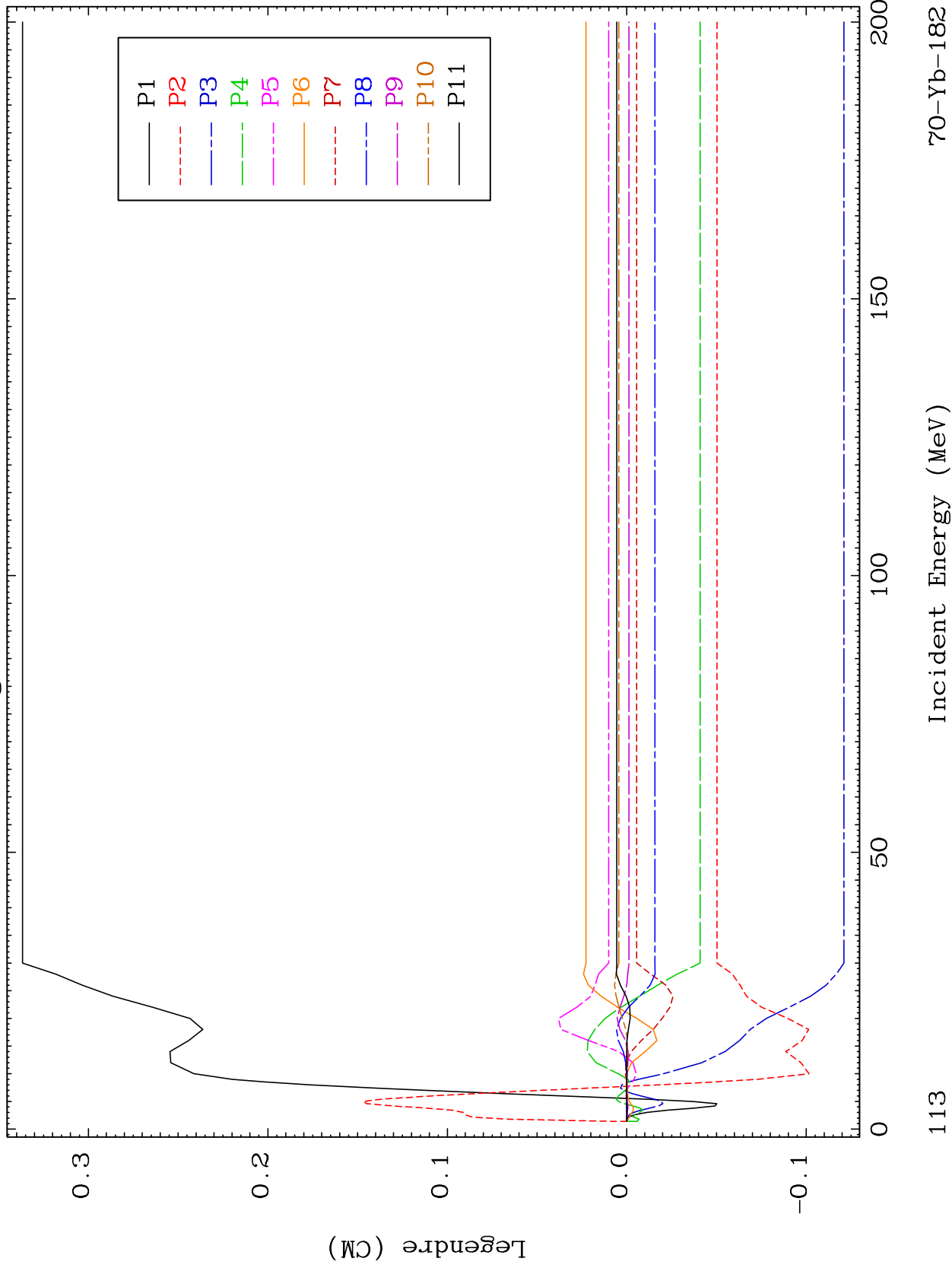




MAT 7067

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

70-Yb-182

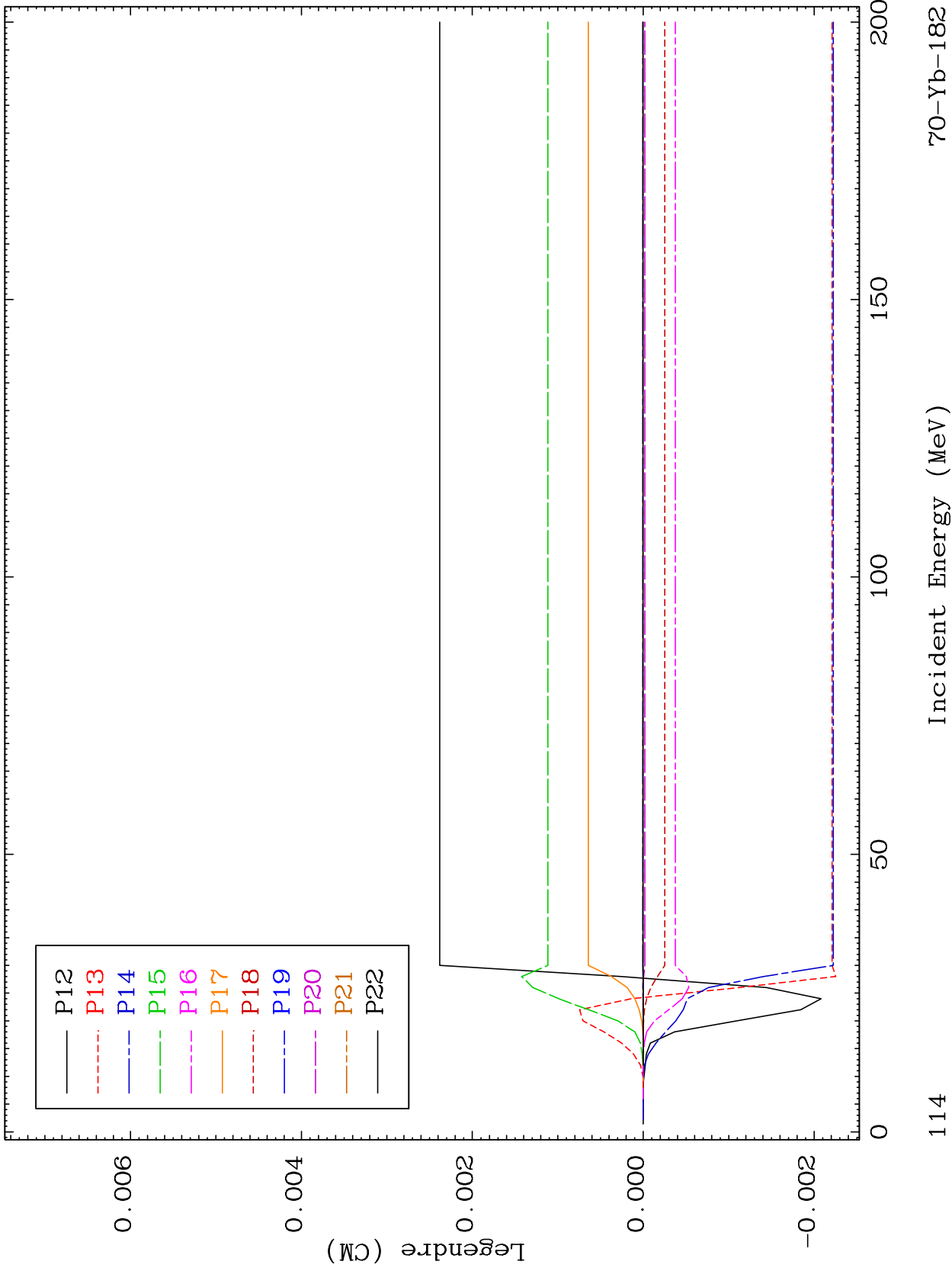


113

MAT 7067

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

70-Yb-182



114

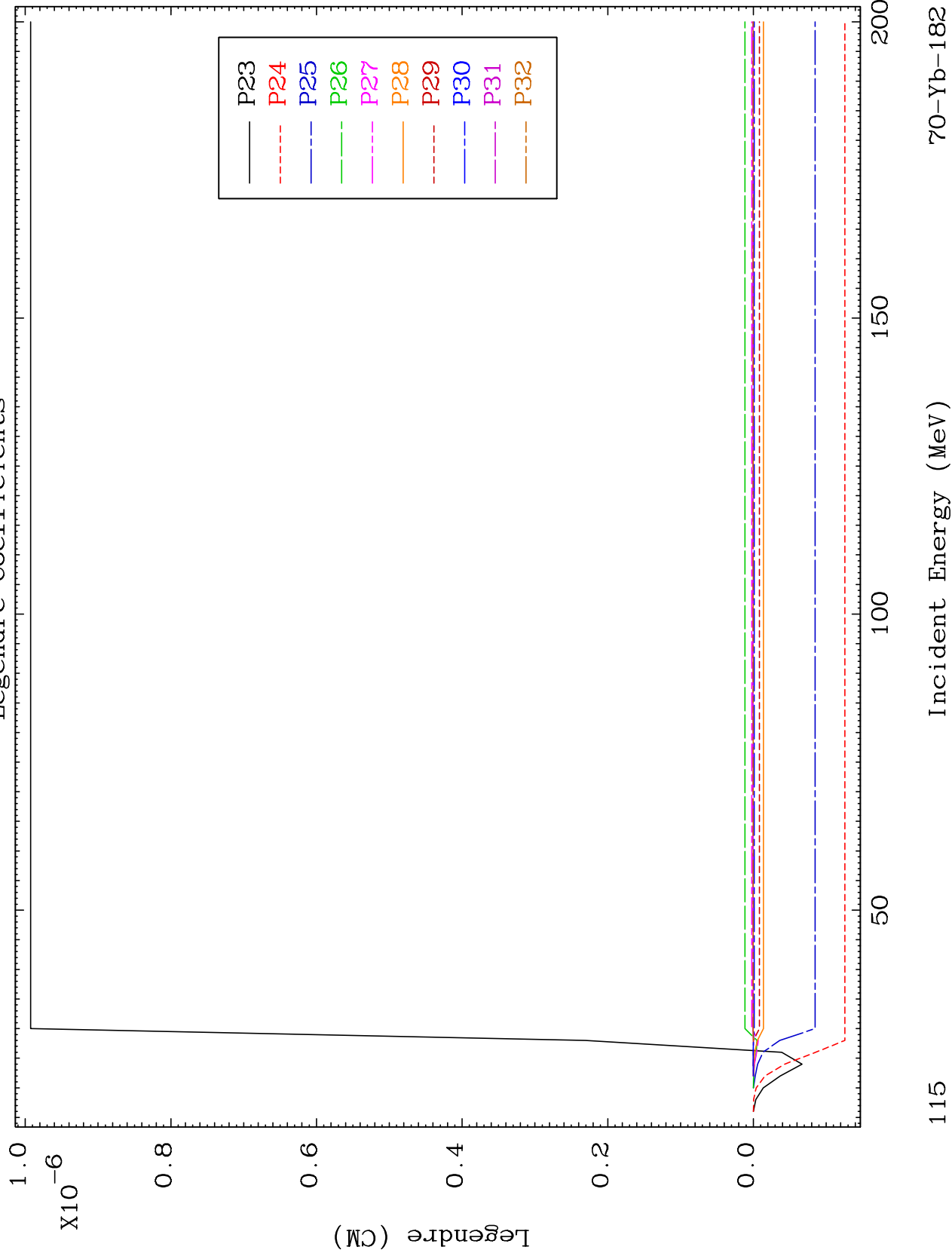
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



115

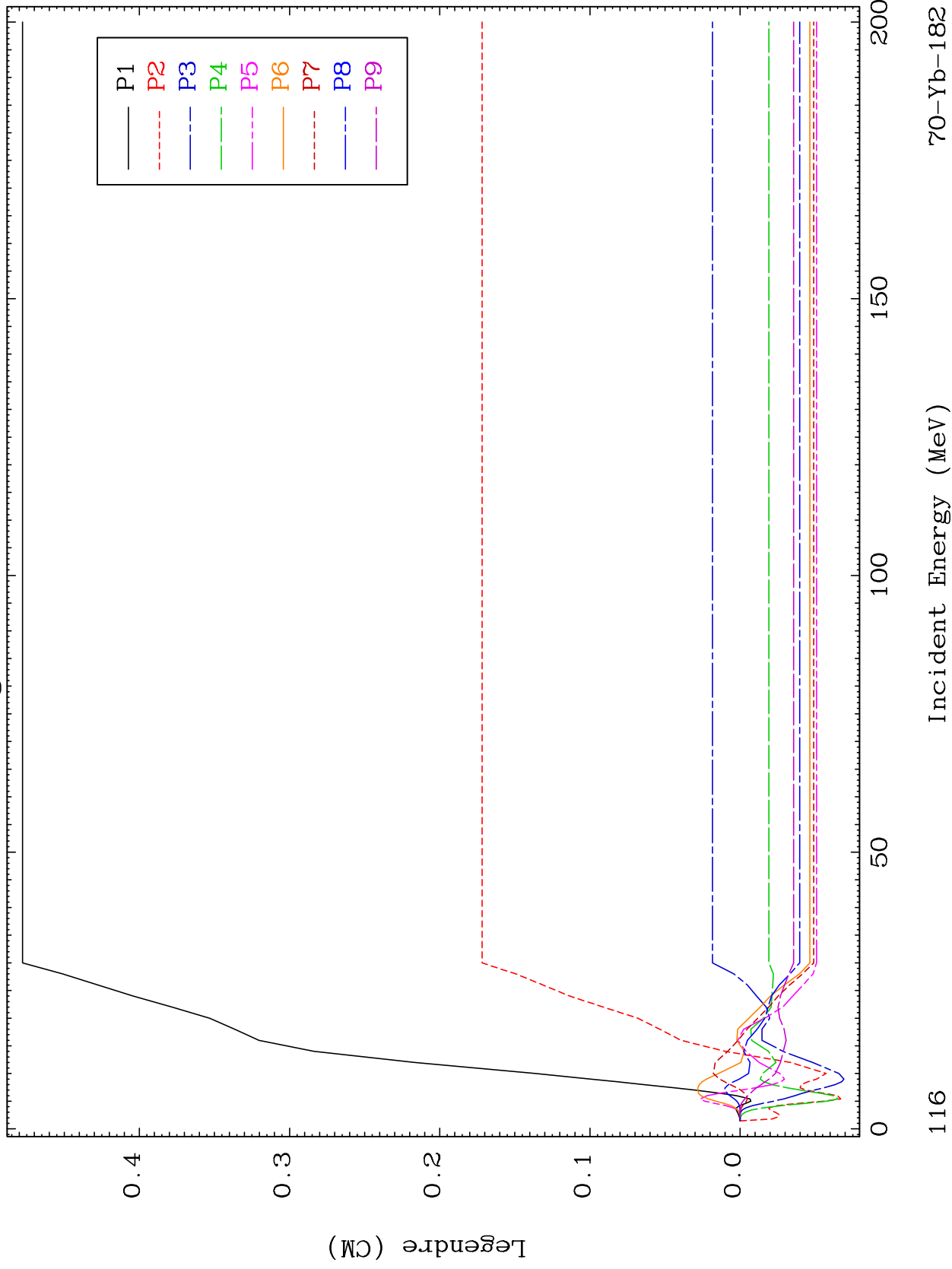
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



116

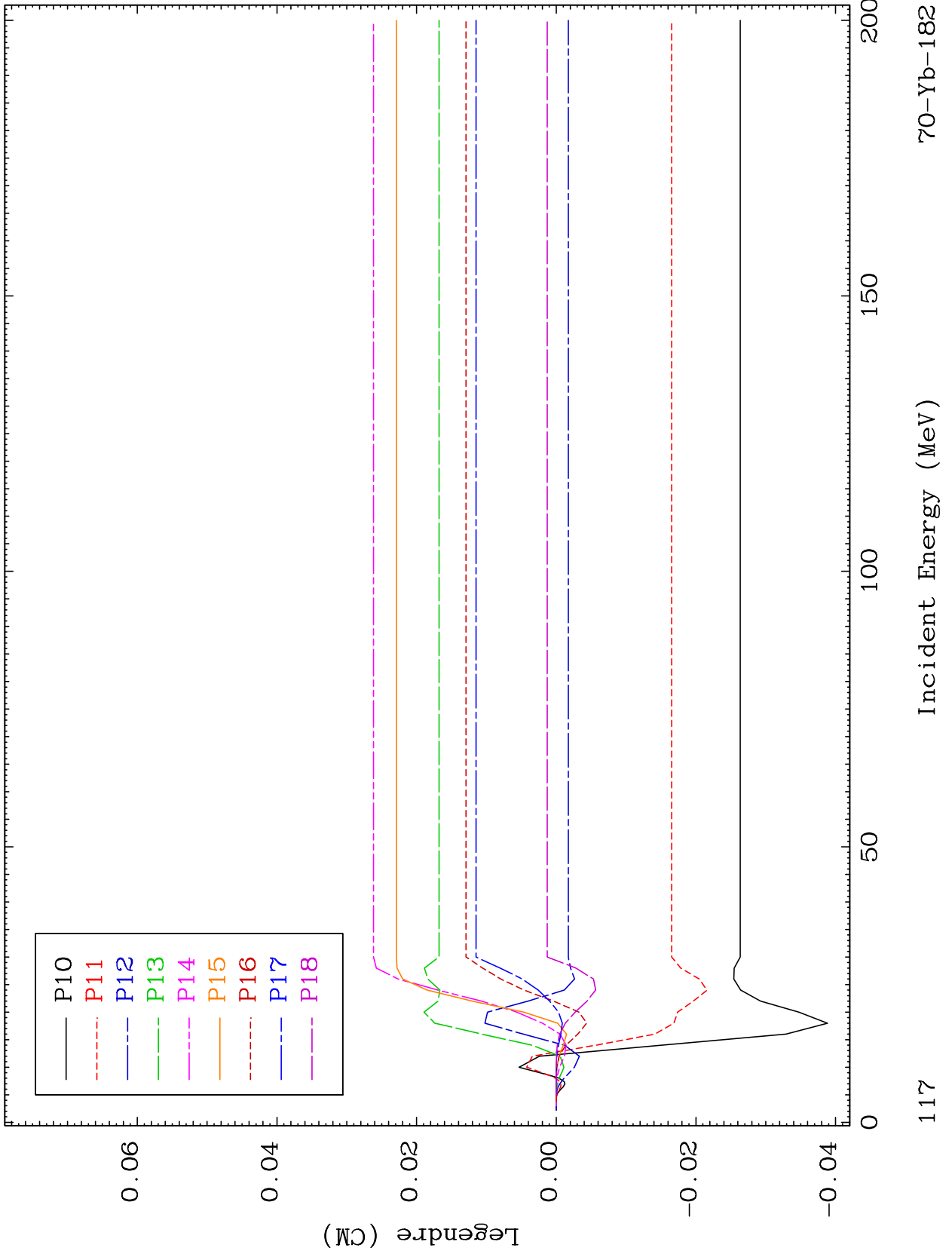
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

70-Yb-182



117

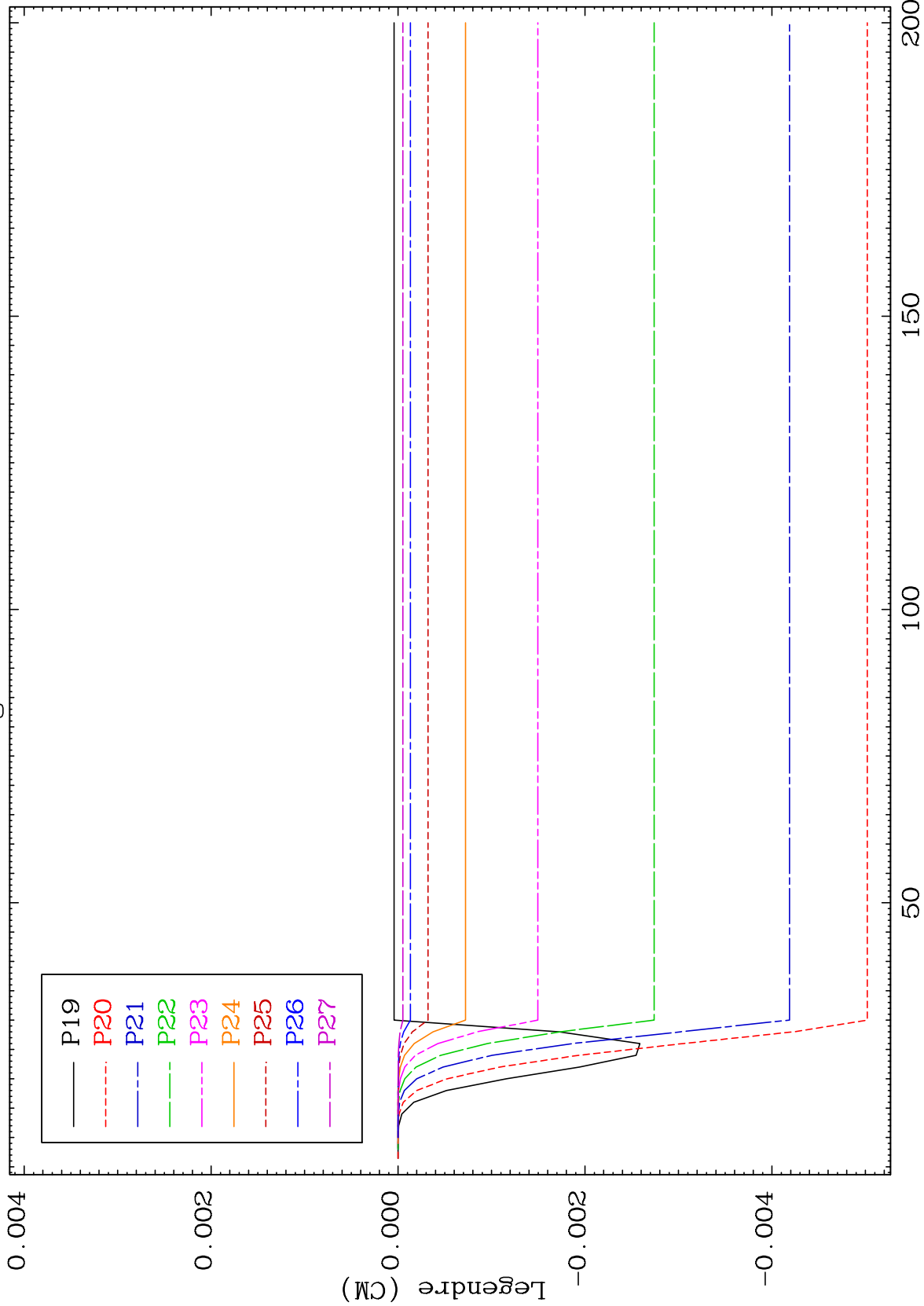
Incident Energy (MeV)

70-Yb-182

MAT 7067

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

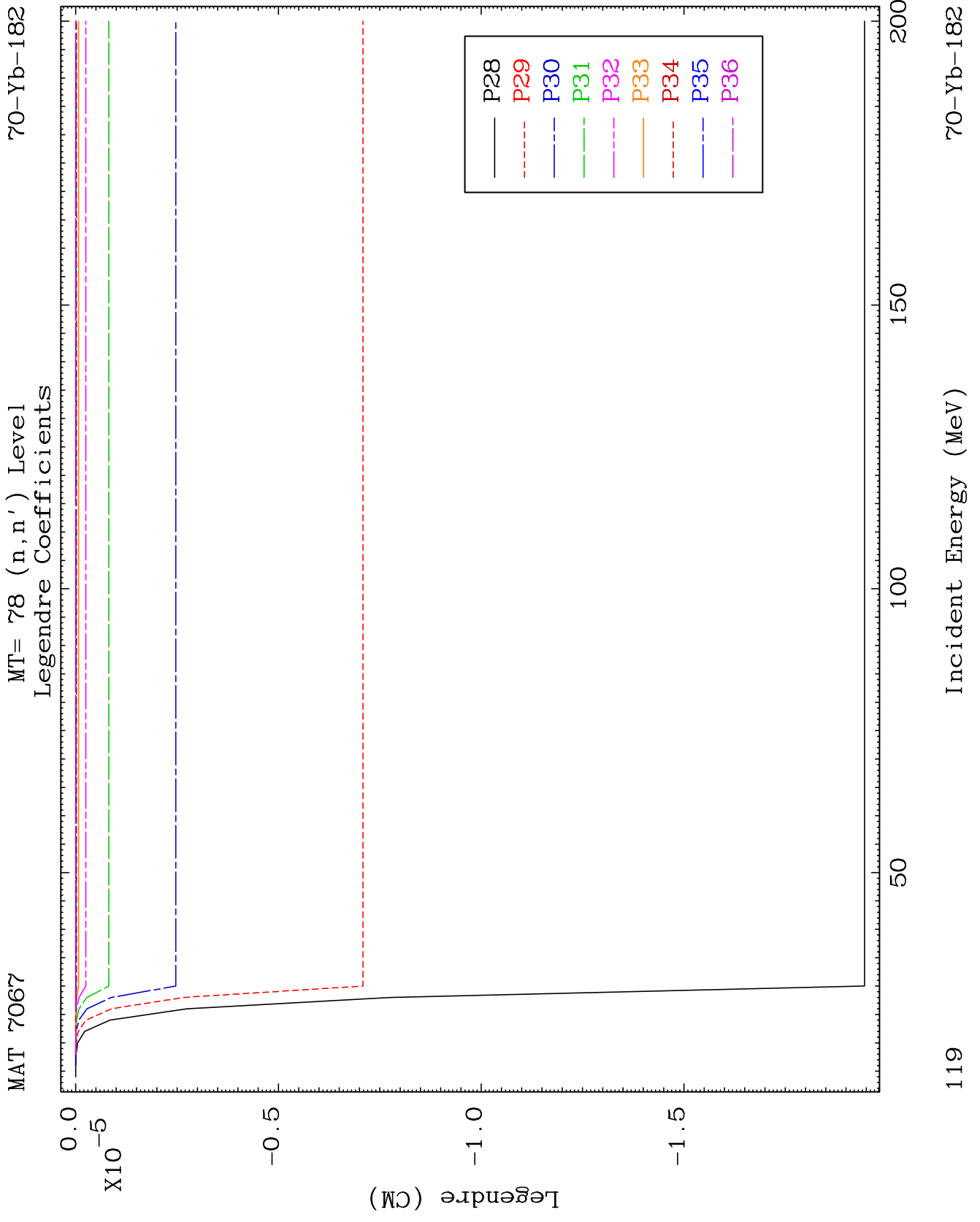
70-Yb-182

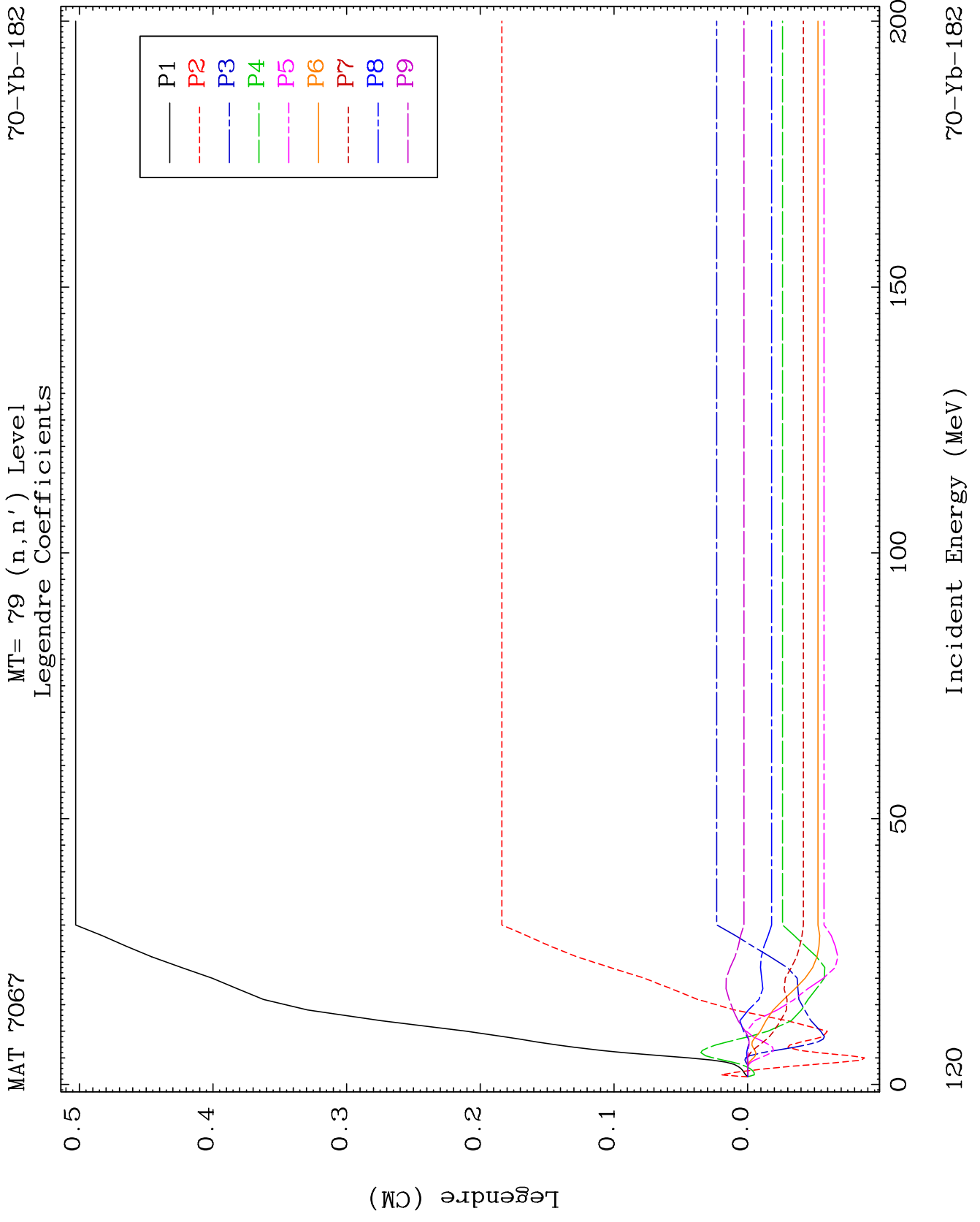


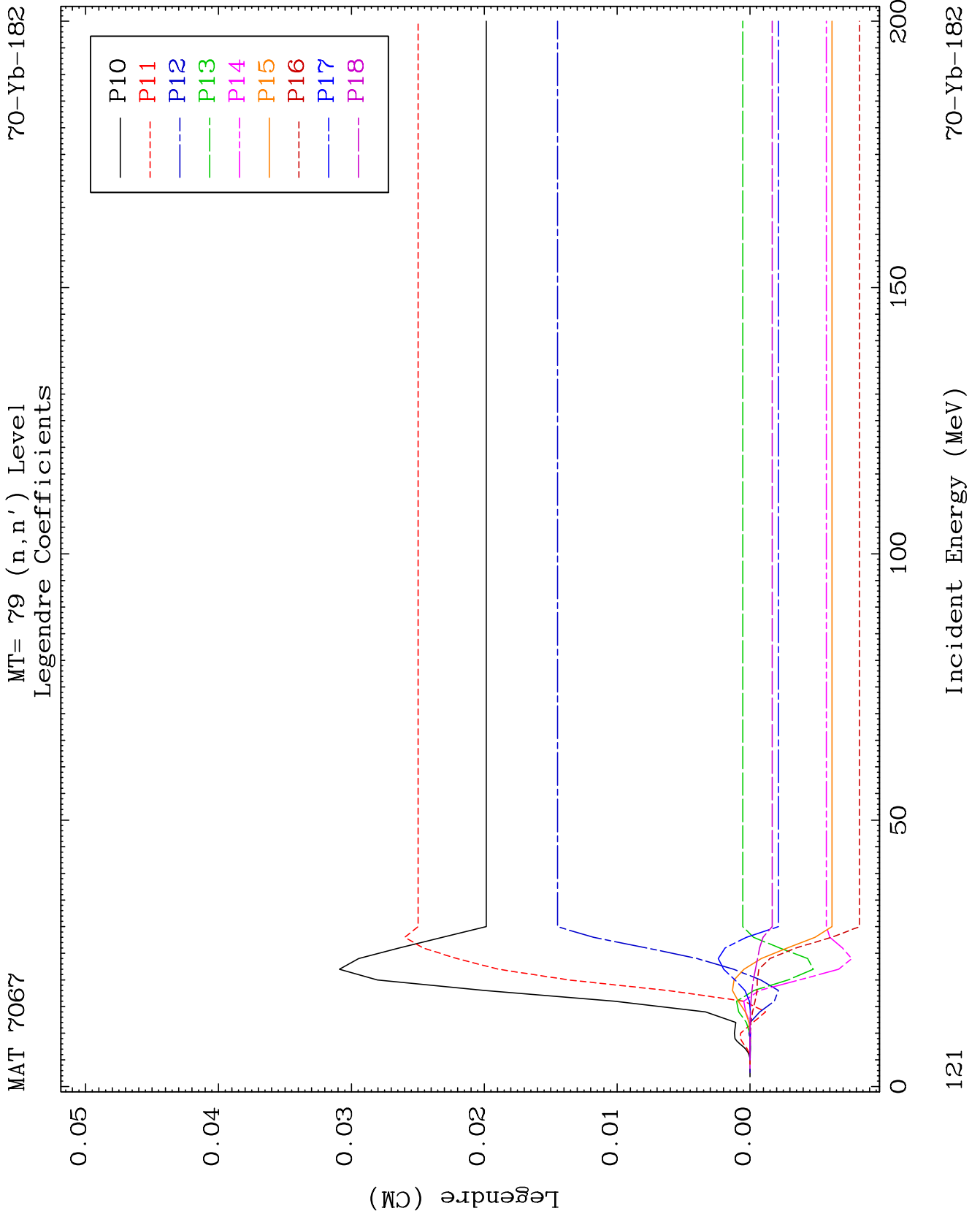
118

Incident Energy (MeV)

70-Yb-182



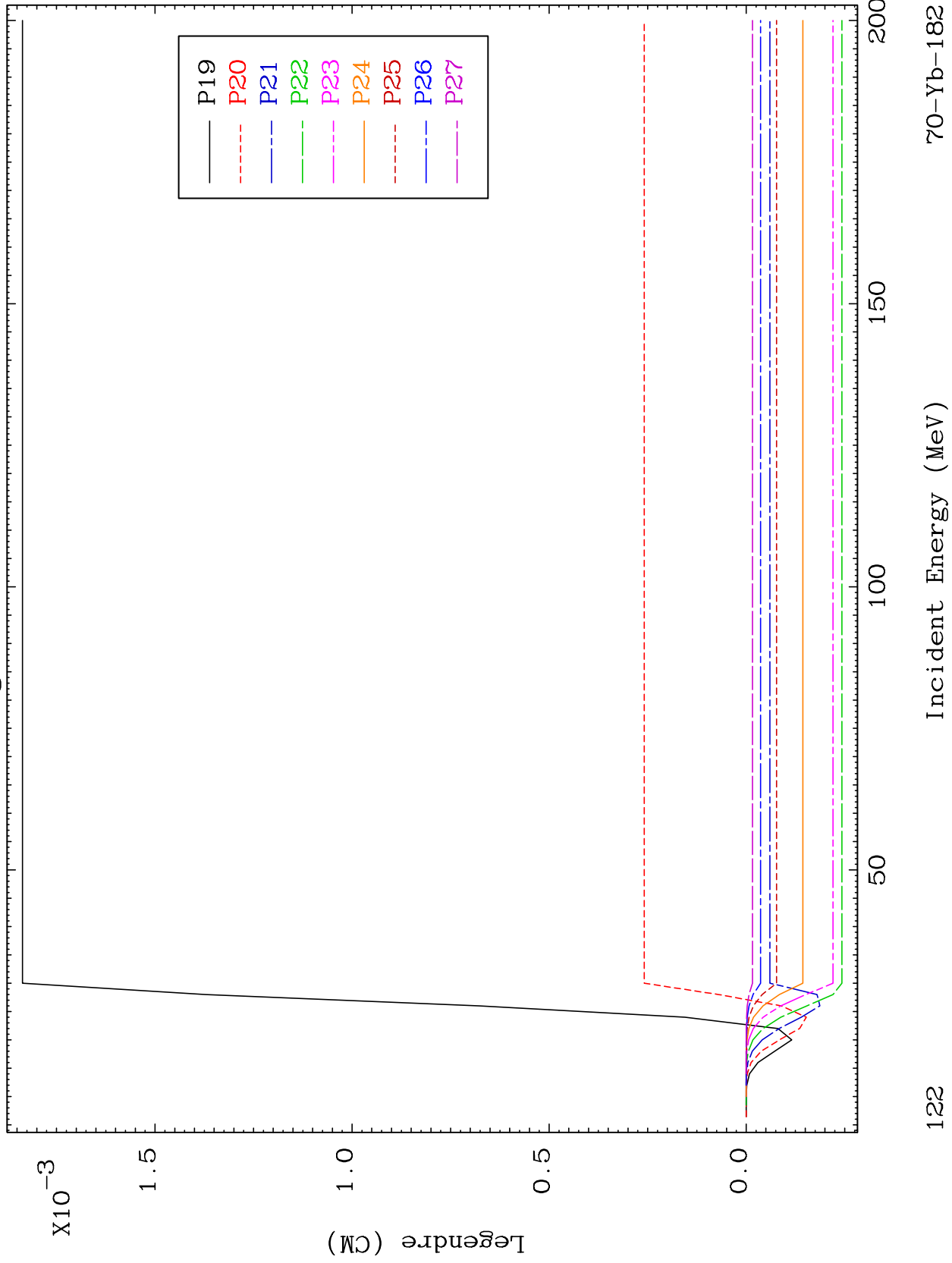




MAT 7067

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

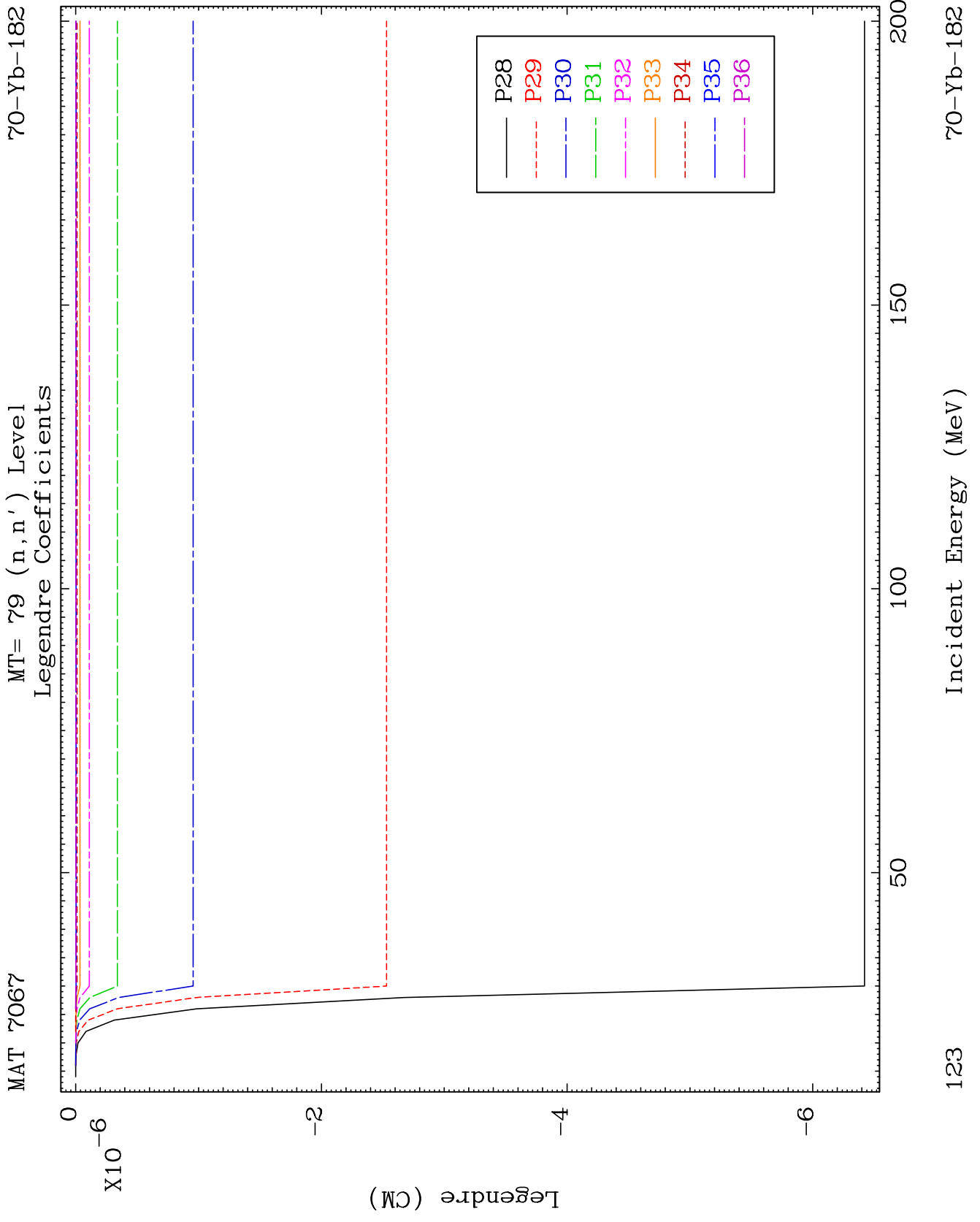
70-Yb-182



122

Incident Energy (MeV)

70-Yb-182



MAT 7067

Fission

70-Yb-182

Radionuclide Production Cross Section

