

Program EVALPLOT  
(Version 2021-1)

by

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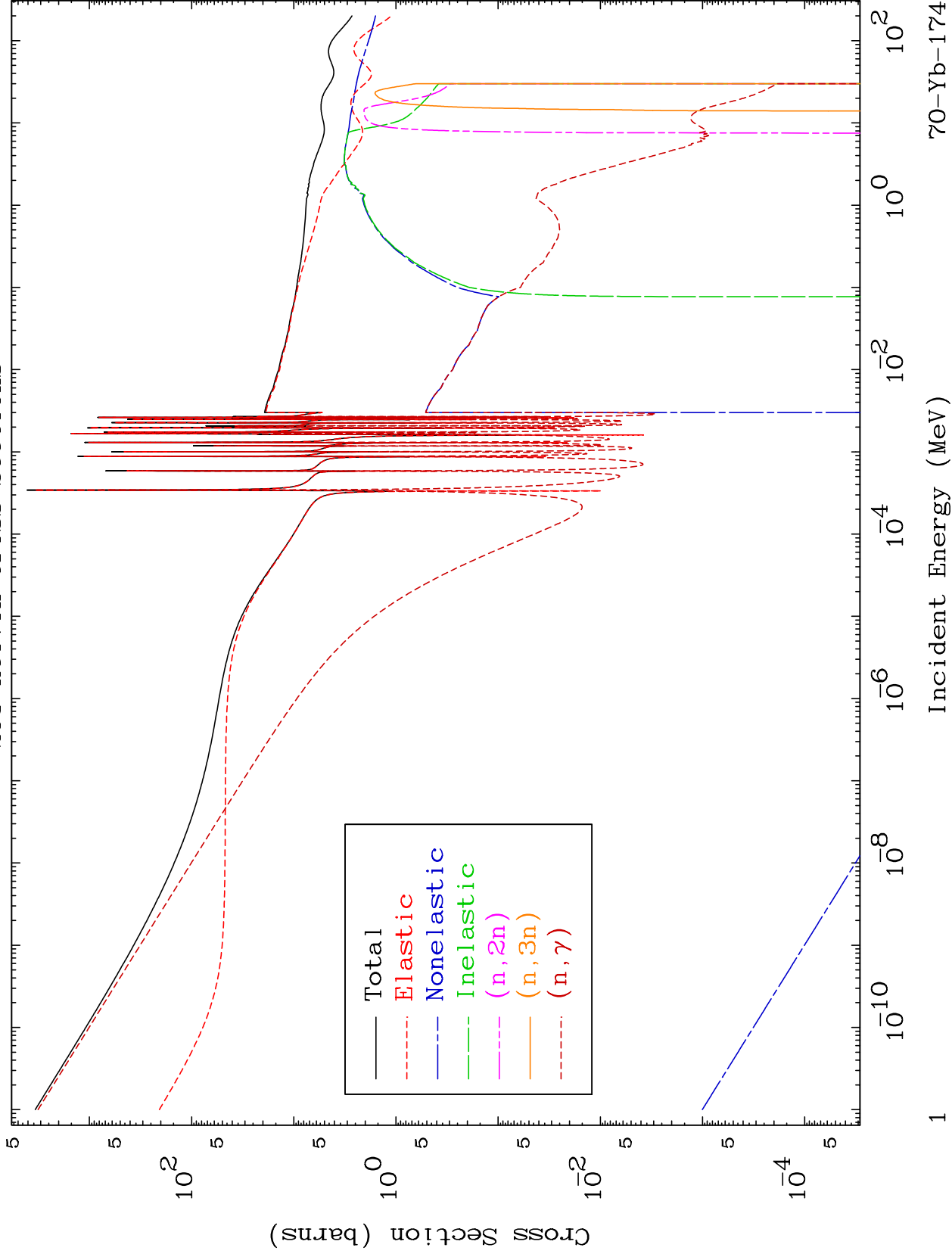
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Press Mouse Button to Start

MAT 7043

Neutron Major  
293 Kelvin Cross Sections

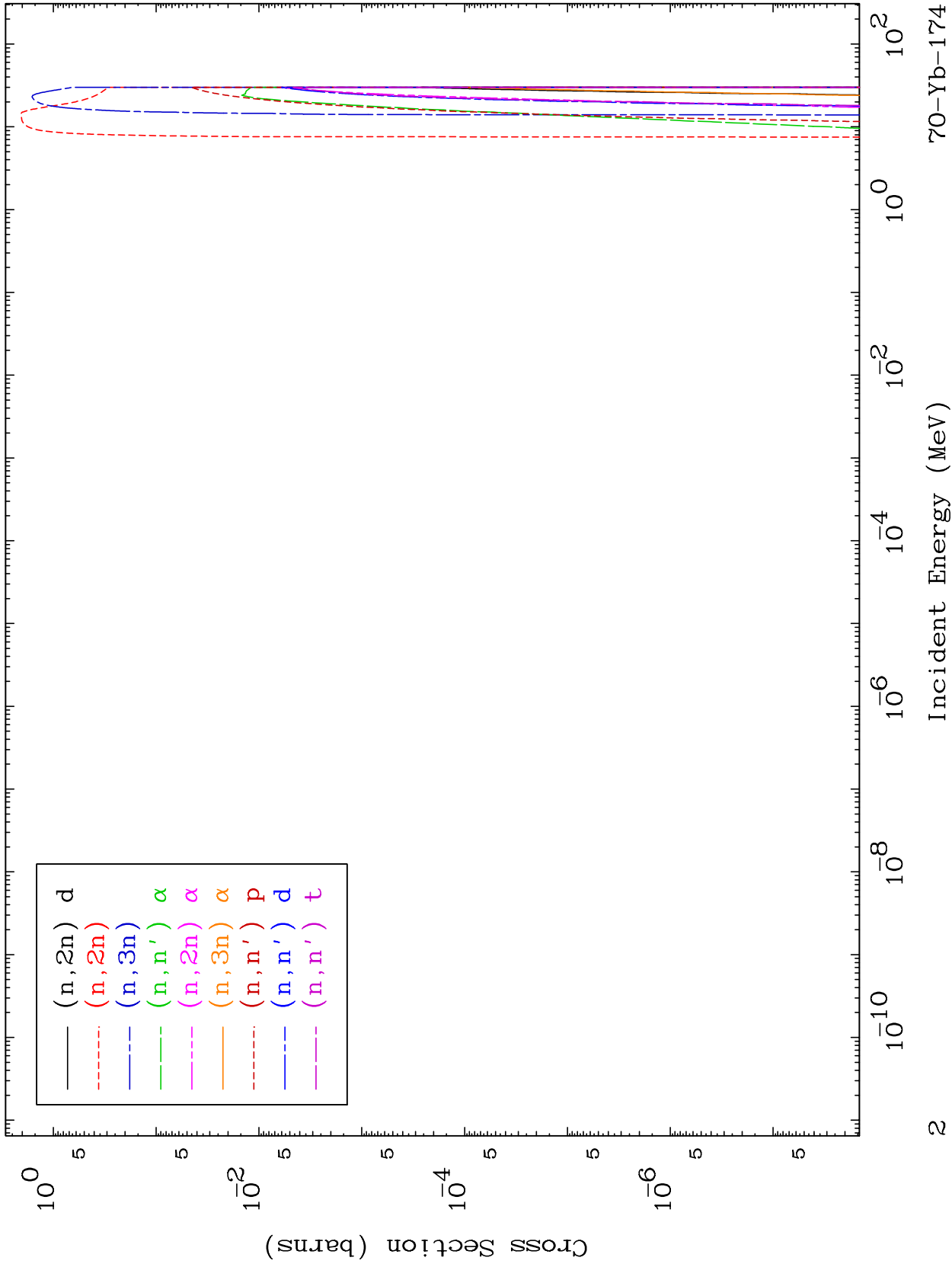
70-Yb-174



MAT 7043

Neutron Absorption  
293 Kelvin Cross Sections

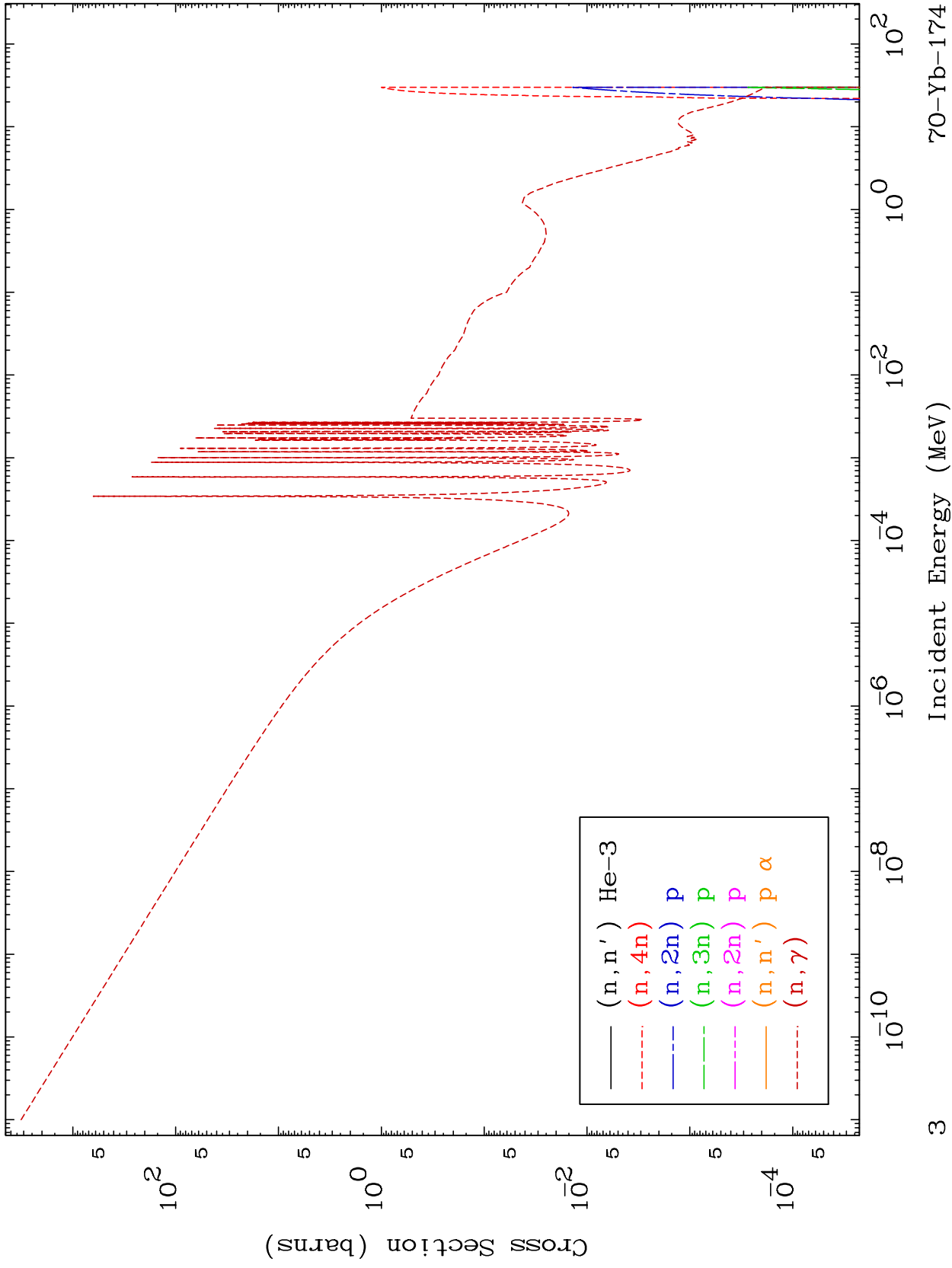
70-Yb-174



MAT 7043

Neutron Absorption  
293 Kelvin Cross Sections

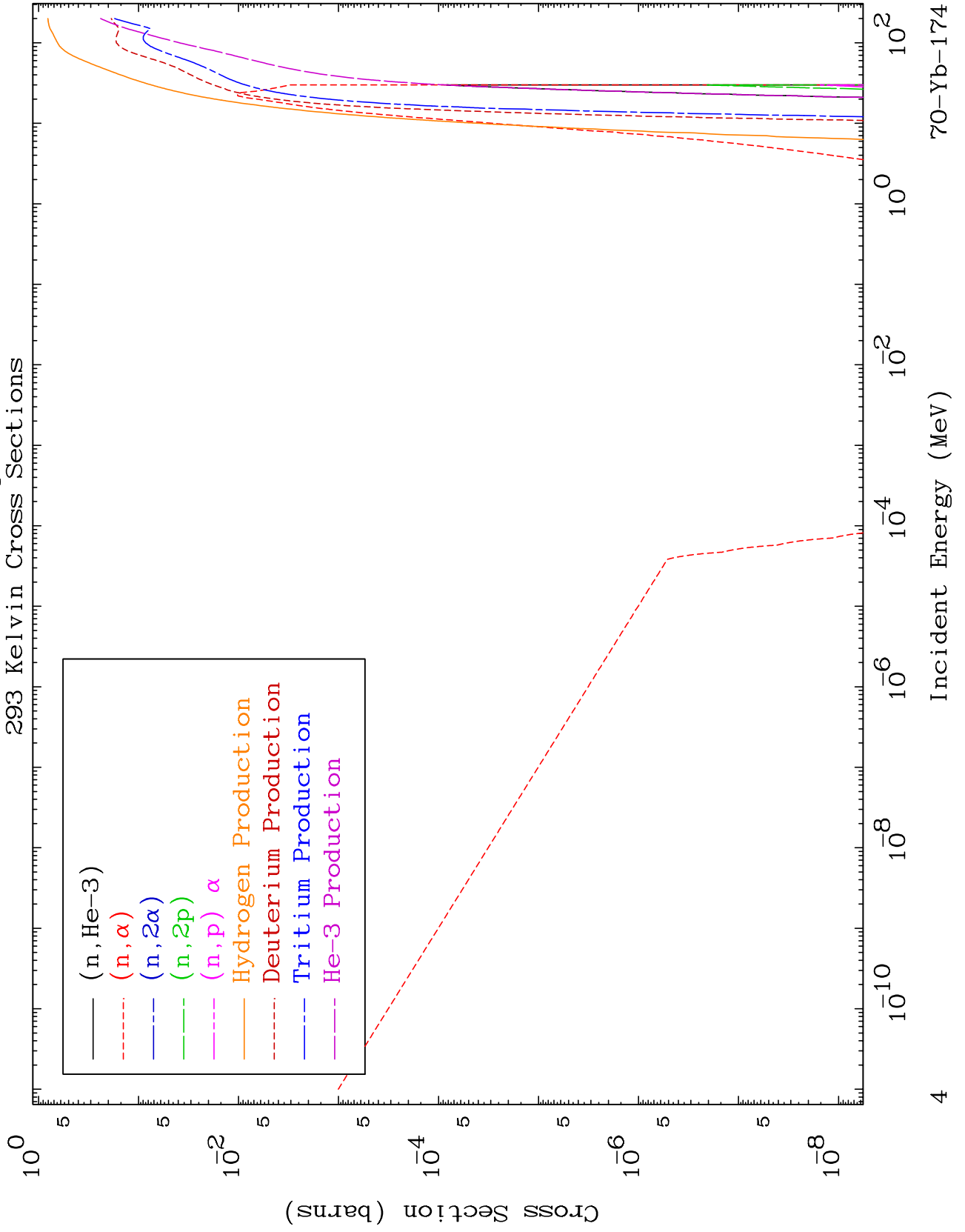
70-Yb-174



MAT 7043

Neutron Absorption  
293 Kelvin Cross Sections

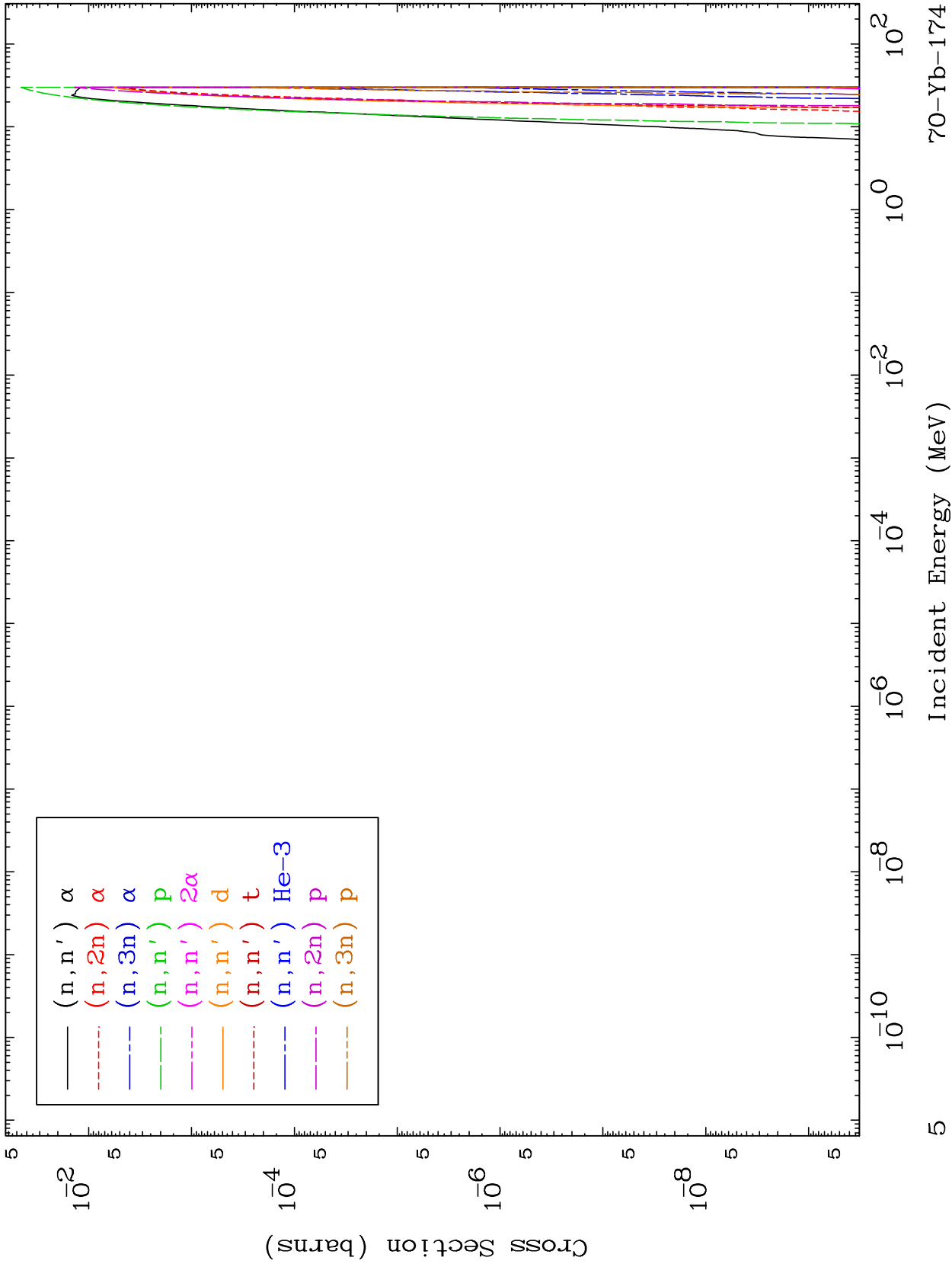
70-Yb-174



MAT 7043

Charged Particle  
293 Kelvin Cross Sections

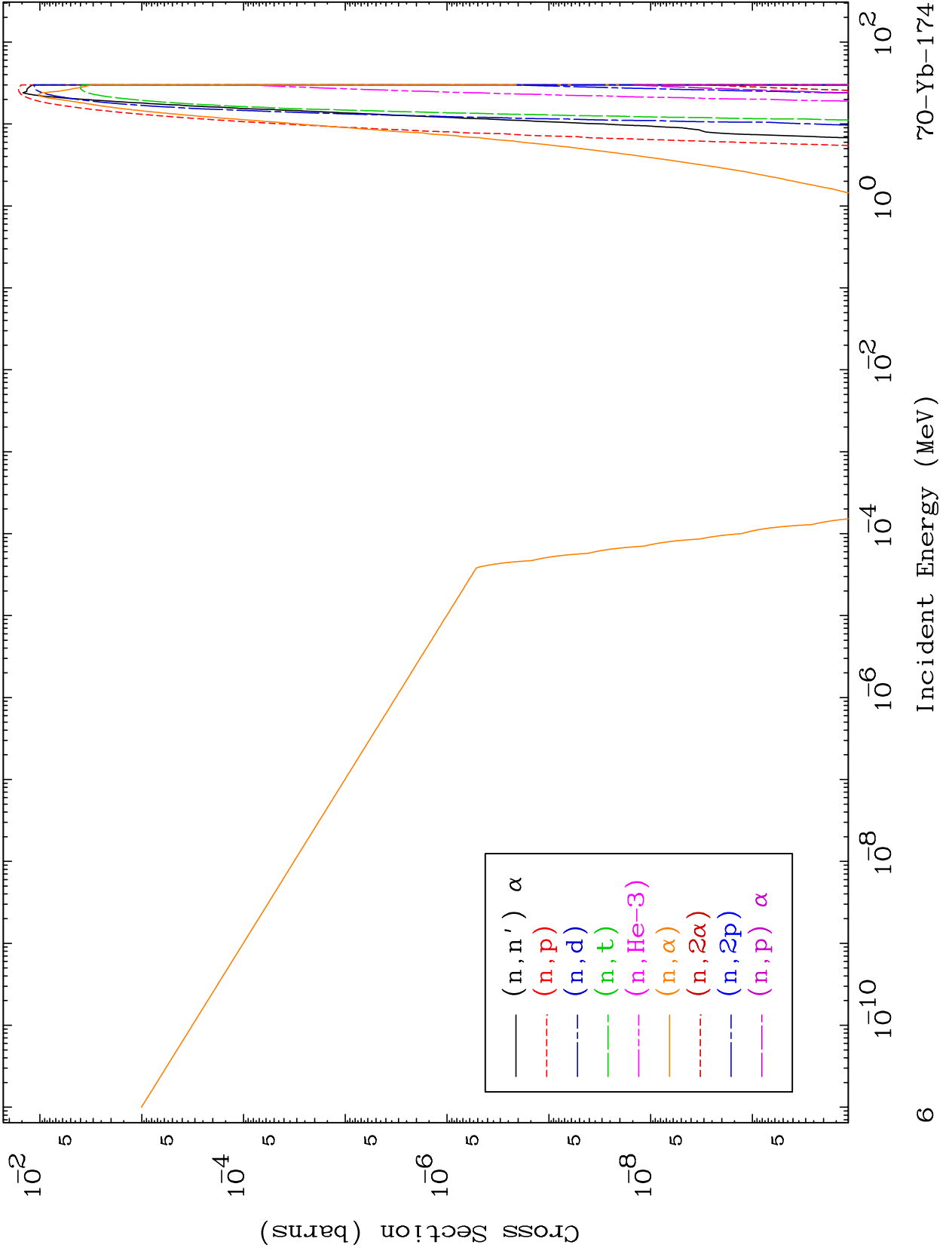
70-Yb-174



MAT 7043

Charged Particle  
293 Kelvin Cross Sections

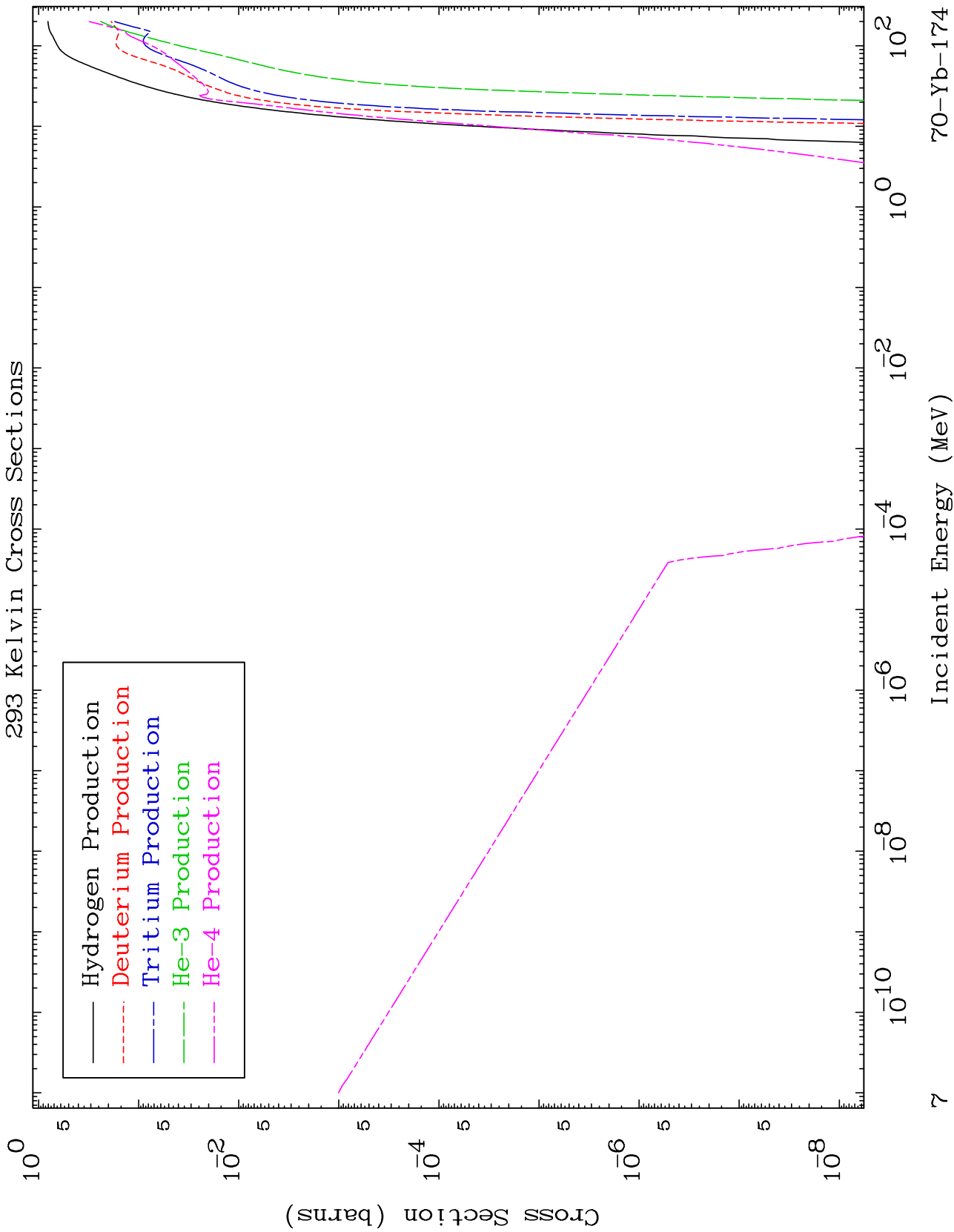
70-Yb-174



MAT 7043

Particle Production  
293 Kelvin Cross Sections

70-Yb-174



Legend:  
— Hydrogen Production  
- - - Deuterium Production  
- . - Tritium Production  
- - - He-3 Production  
- . . He-4 Production

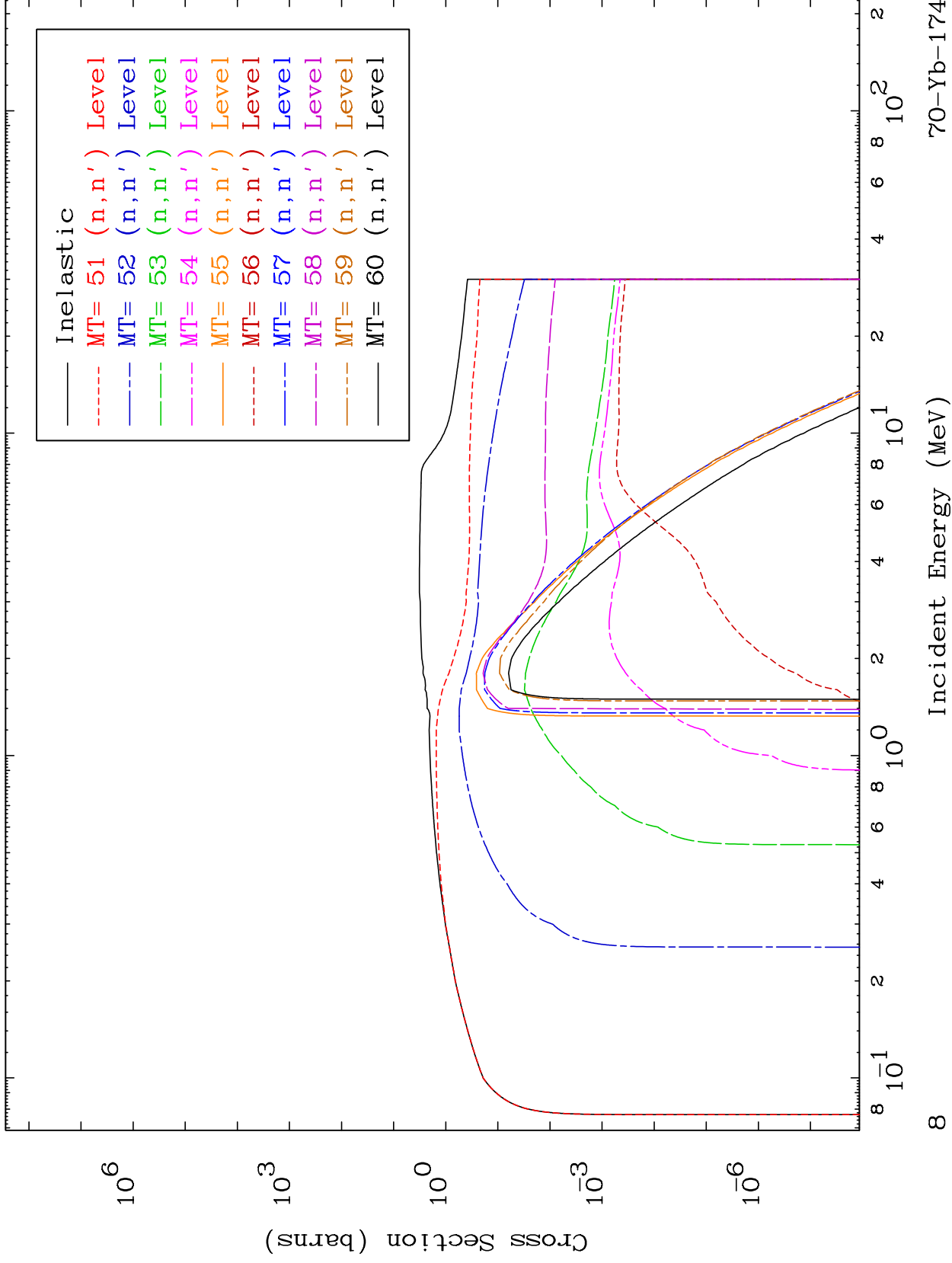


MAT 7043

(n,n') Levels

70-Yb-174

293 Kelvin Cross Sections



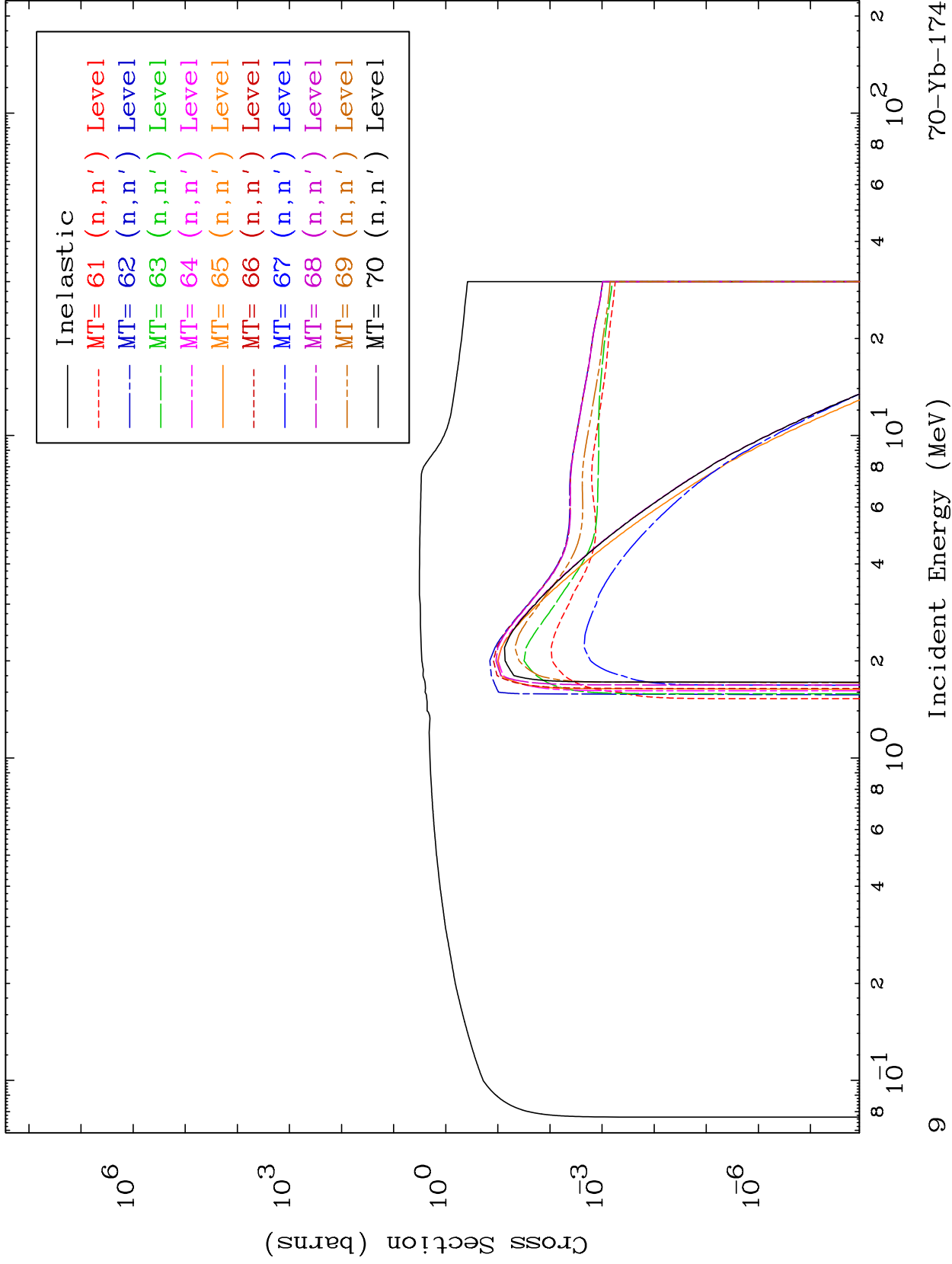
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MAT 7043

(n,n') Levels

70-Yb-174

293 Kelvin Cross Sections



9

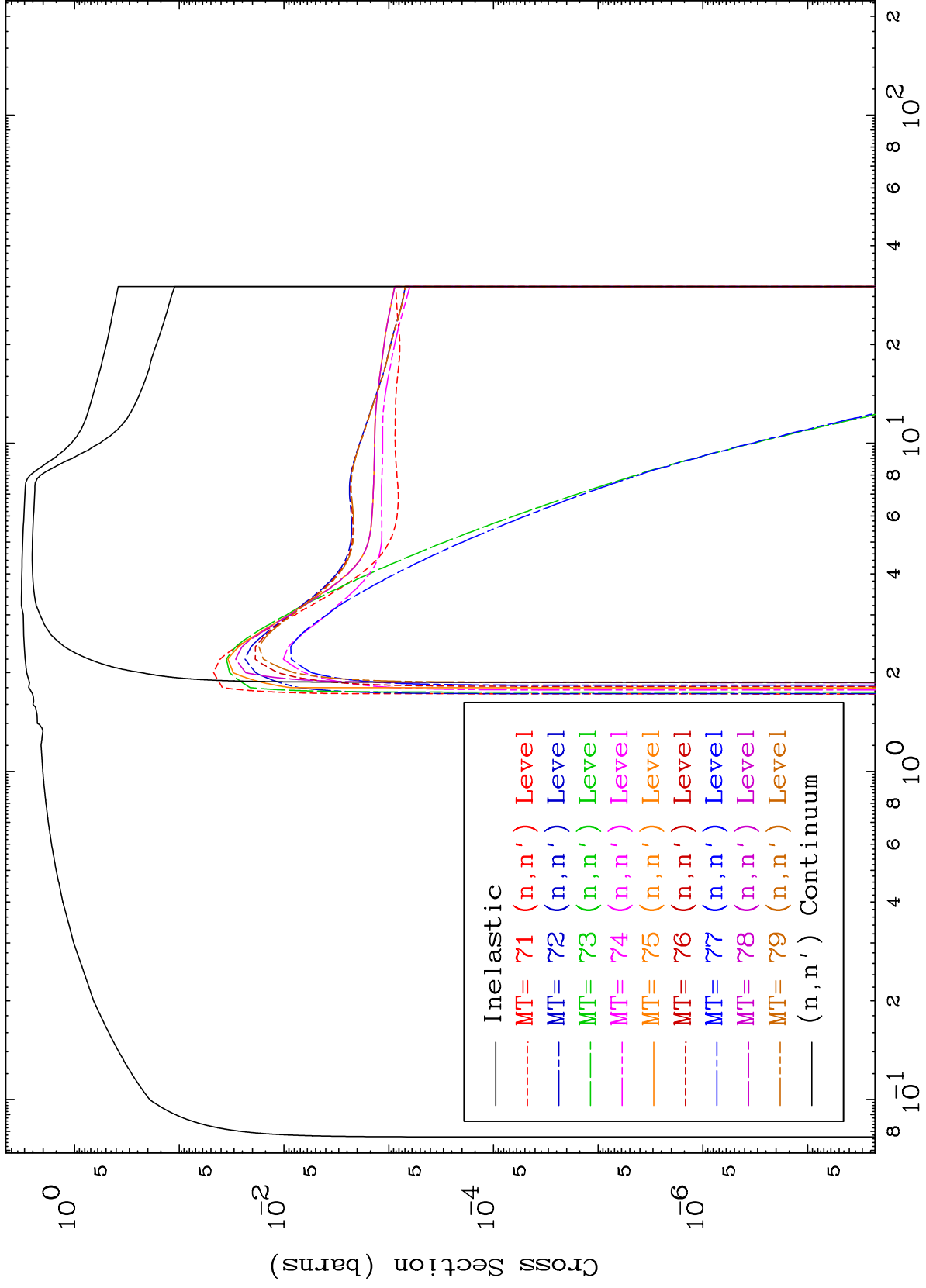
Incident Energy (MeV)

70-Yb-174

MAT 7043

293 Kelvin Cross Sections

70-Yb-174



70-Yb-174

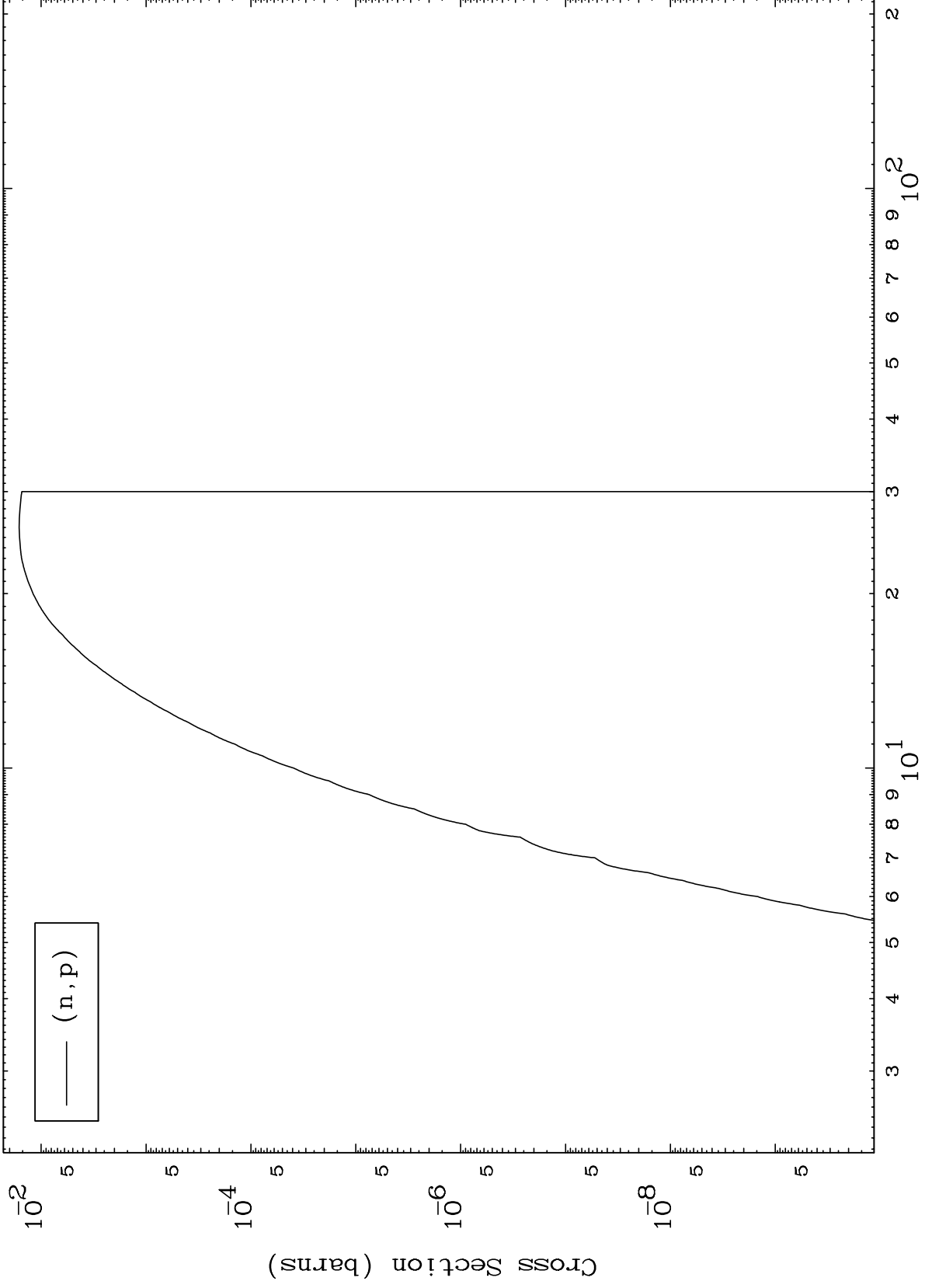
Incident Energy (MeV)

10

MAT 7043

(n,p) Levels  
293 Kelvin Cross Sections

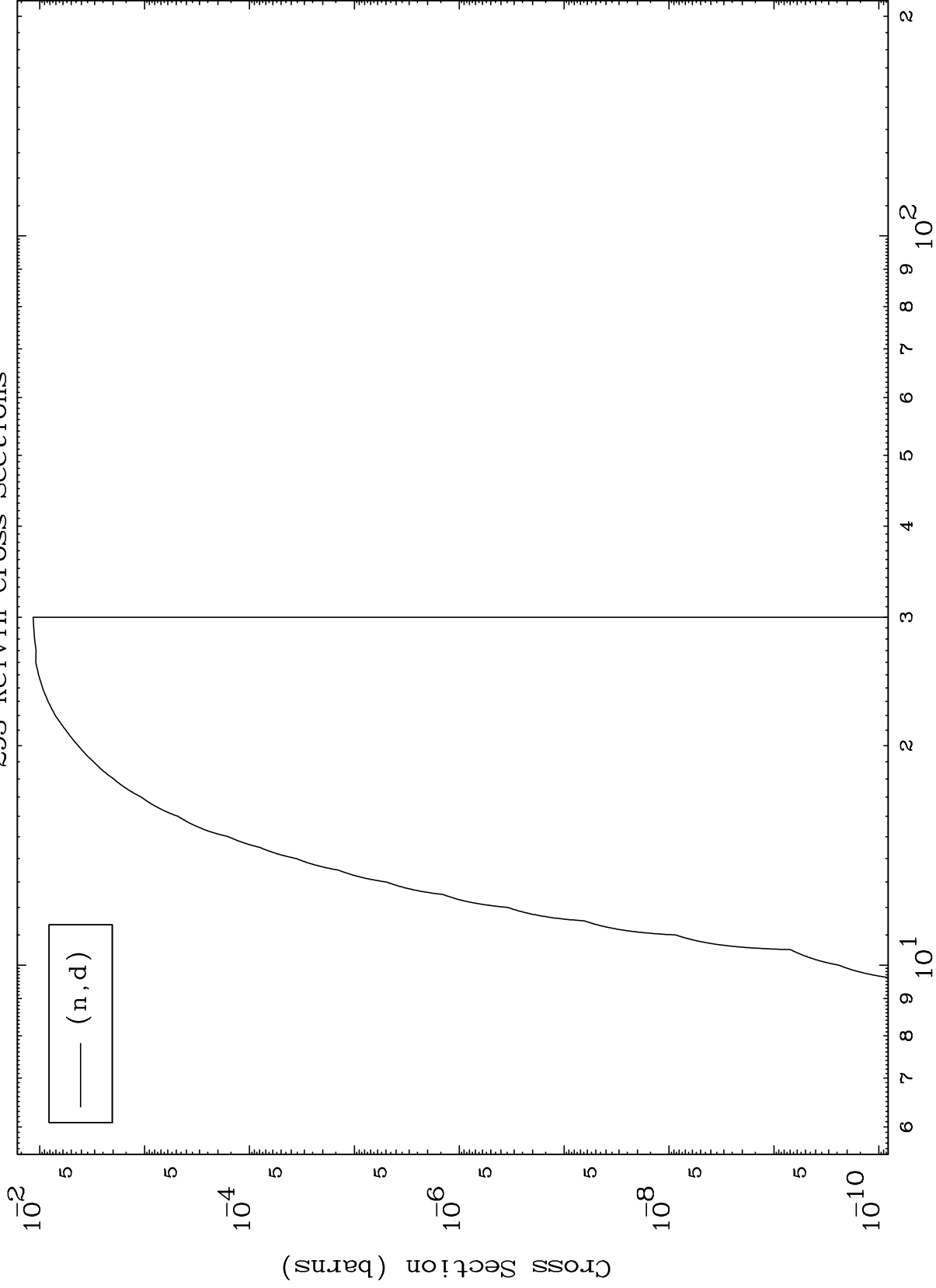
70-Yb-174



MAT 7043

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-174



12

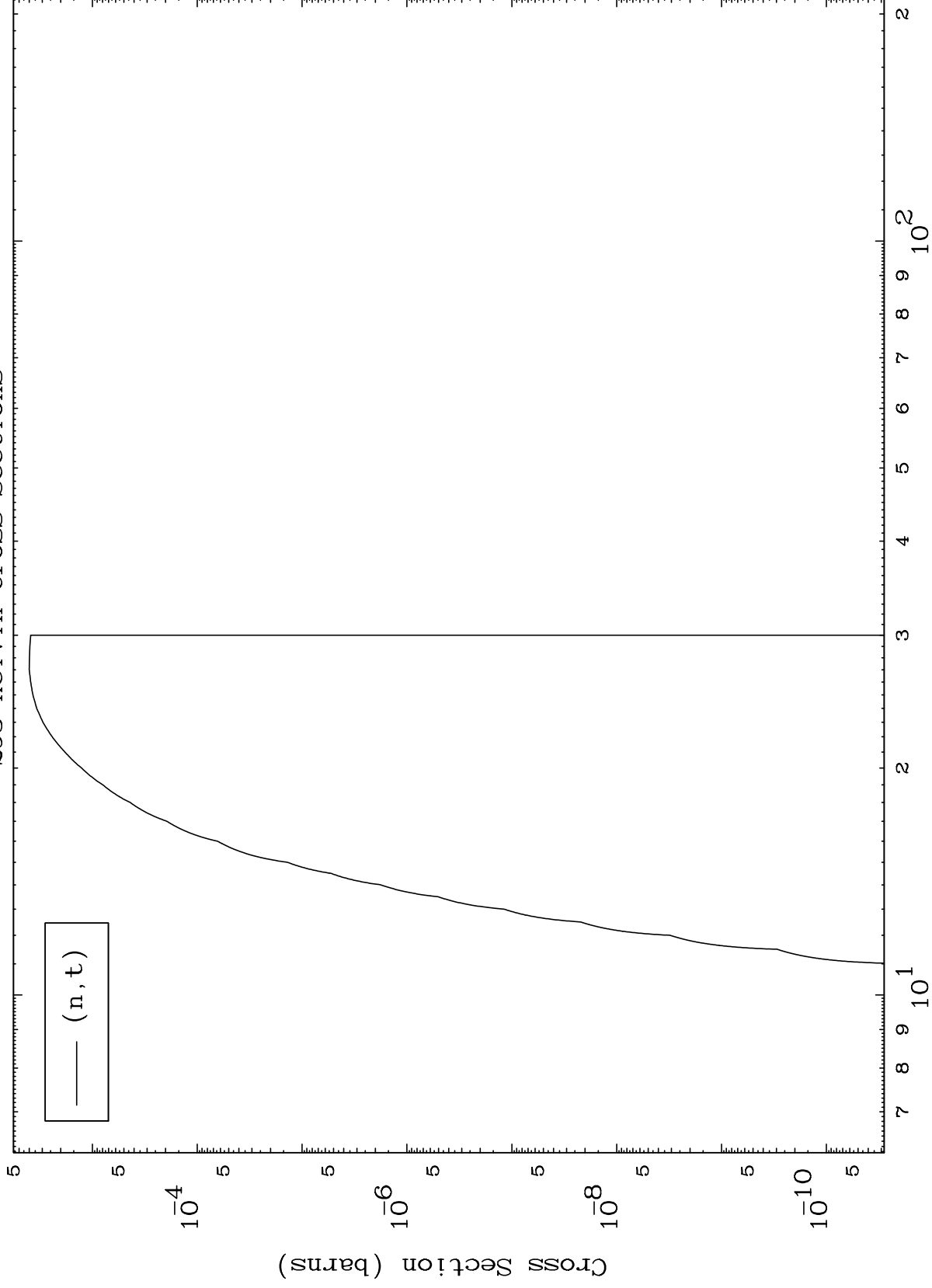
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n, t) Levels  
293 Kelvin Cross Sections

70-Yb-174



13

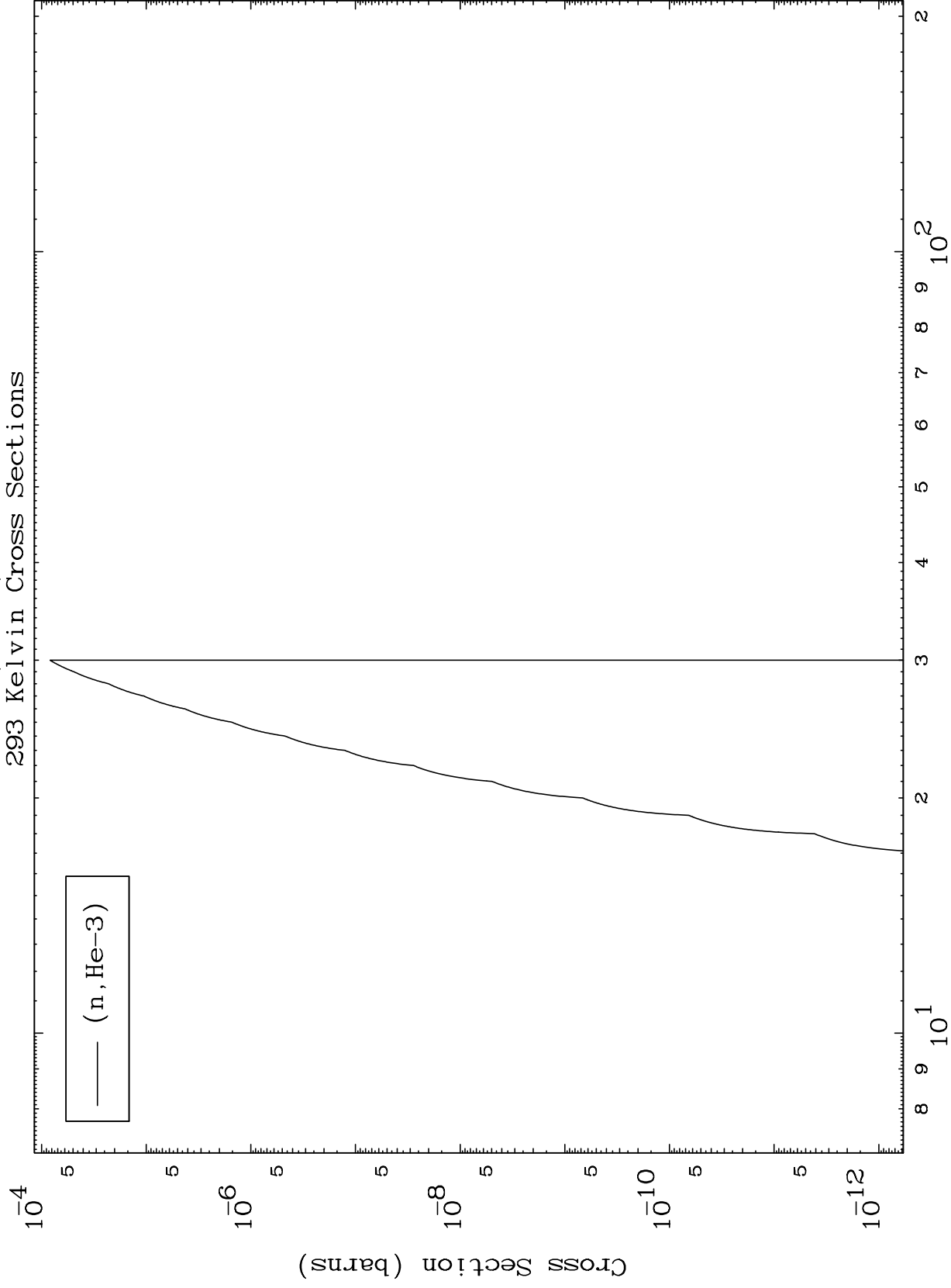
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-174



14

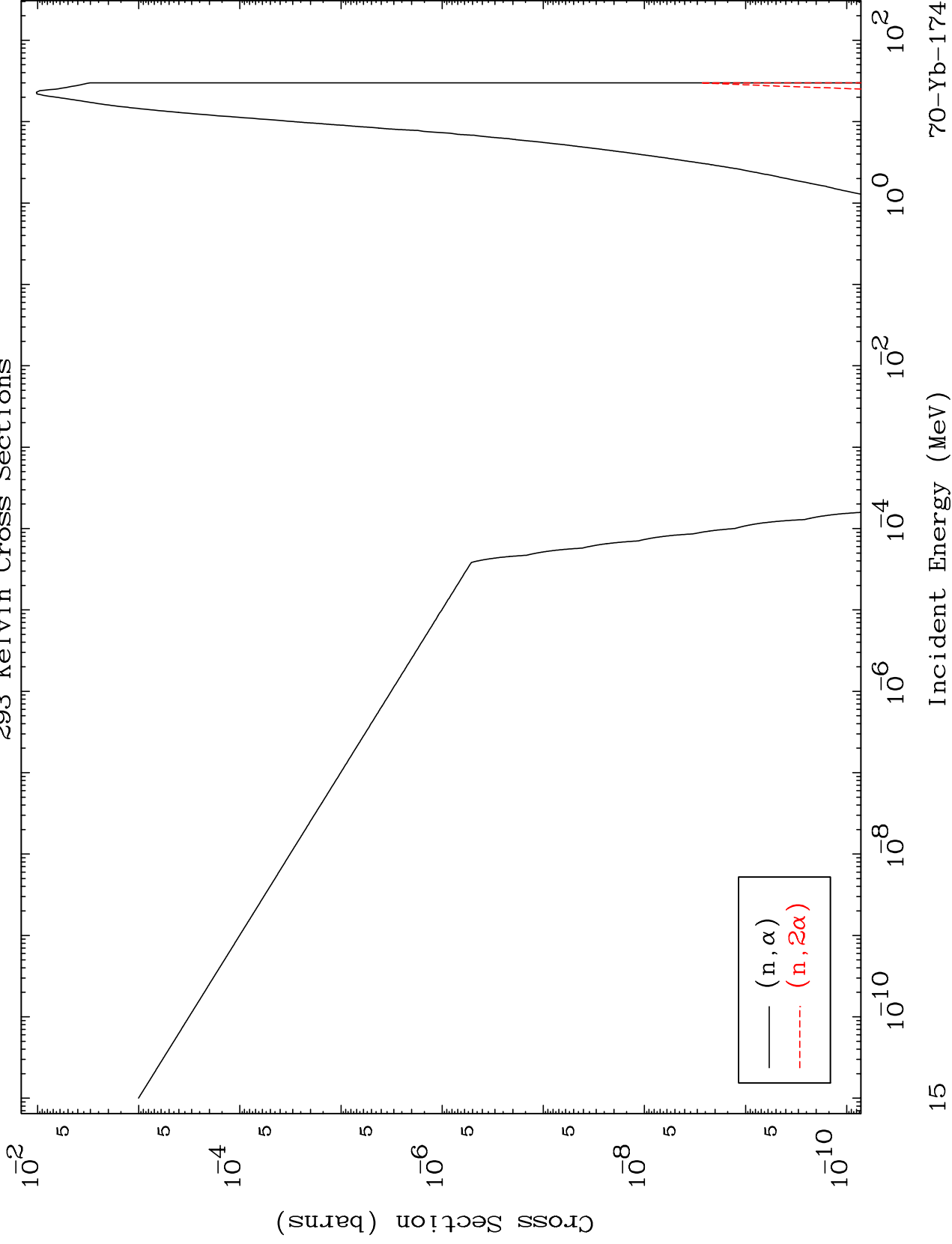
Incident Energy (MeV)

70-Yb-174

MAT 7043

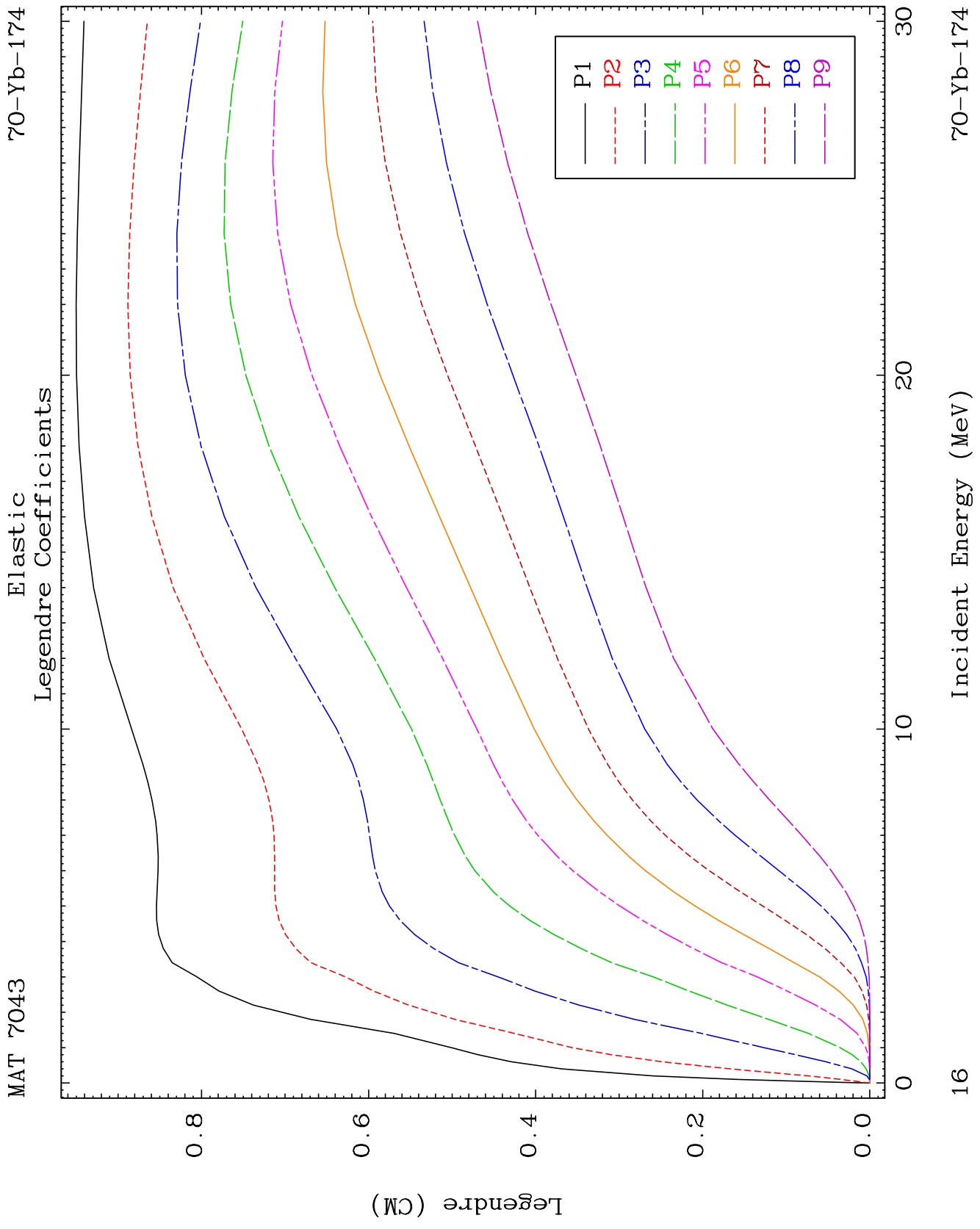
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

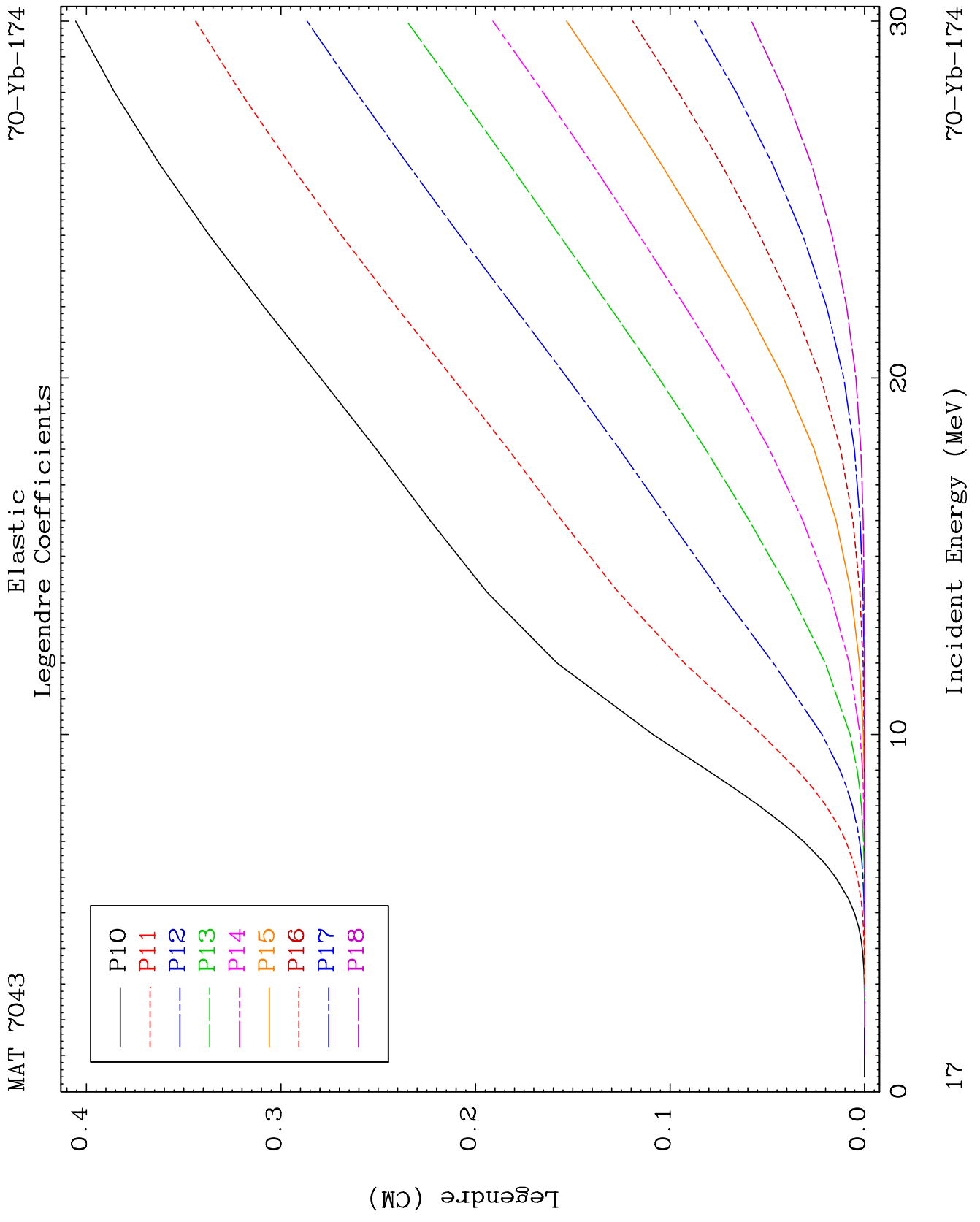
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15



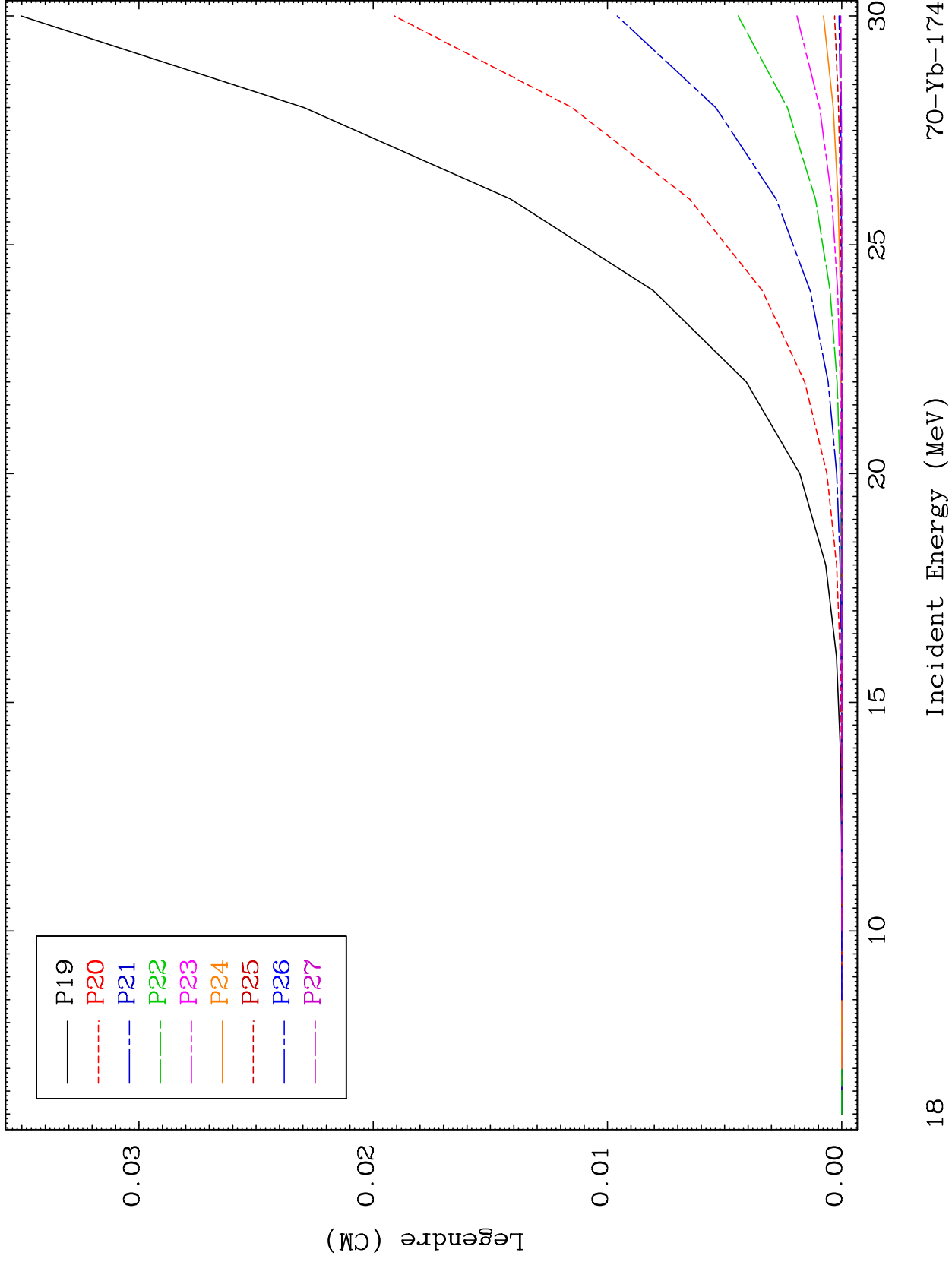




MAT 7043

### Elastic Legendre Coefficients

70-Yb-174

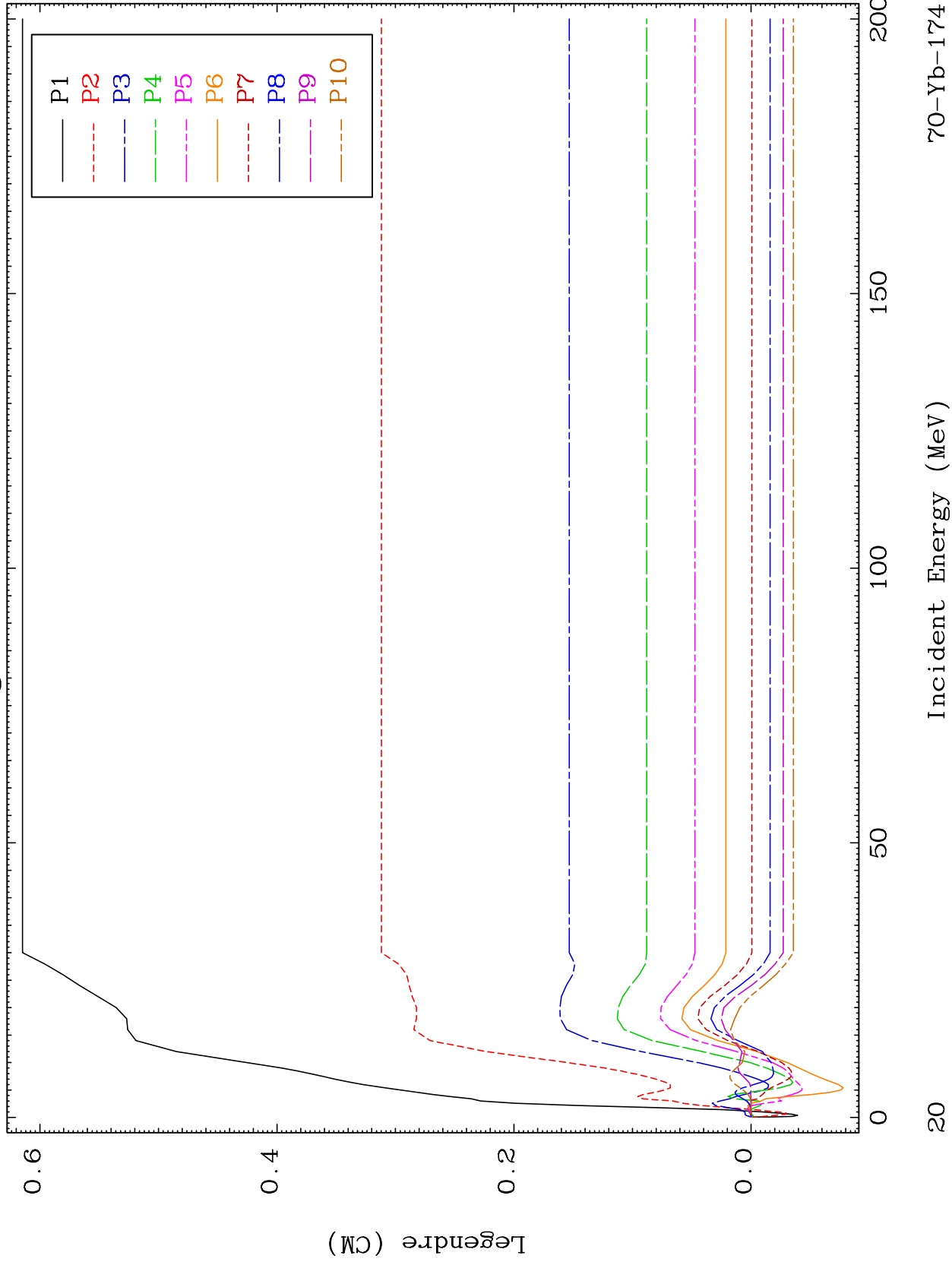


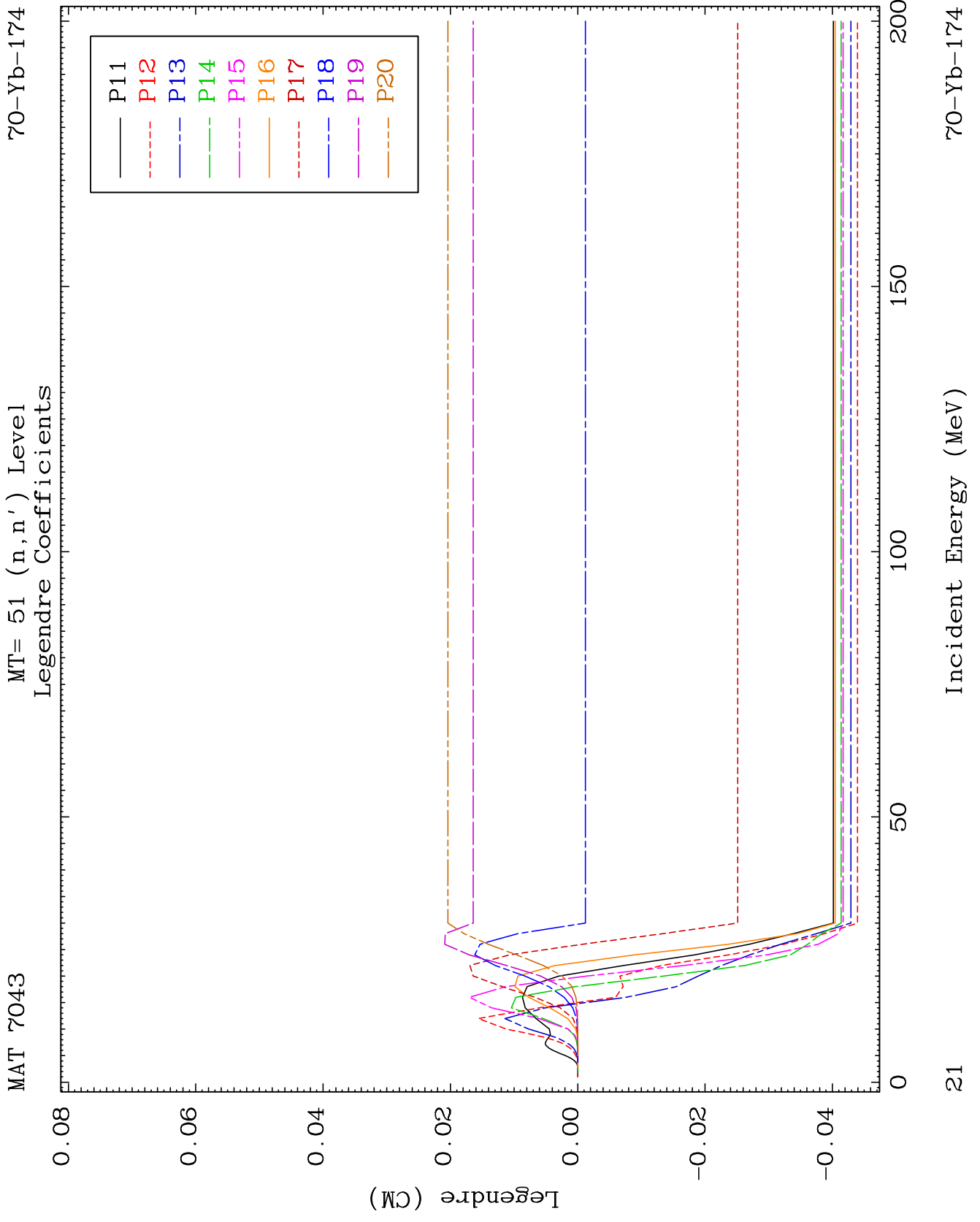


MAT 7043

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

70-Yb-174

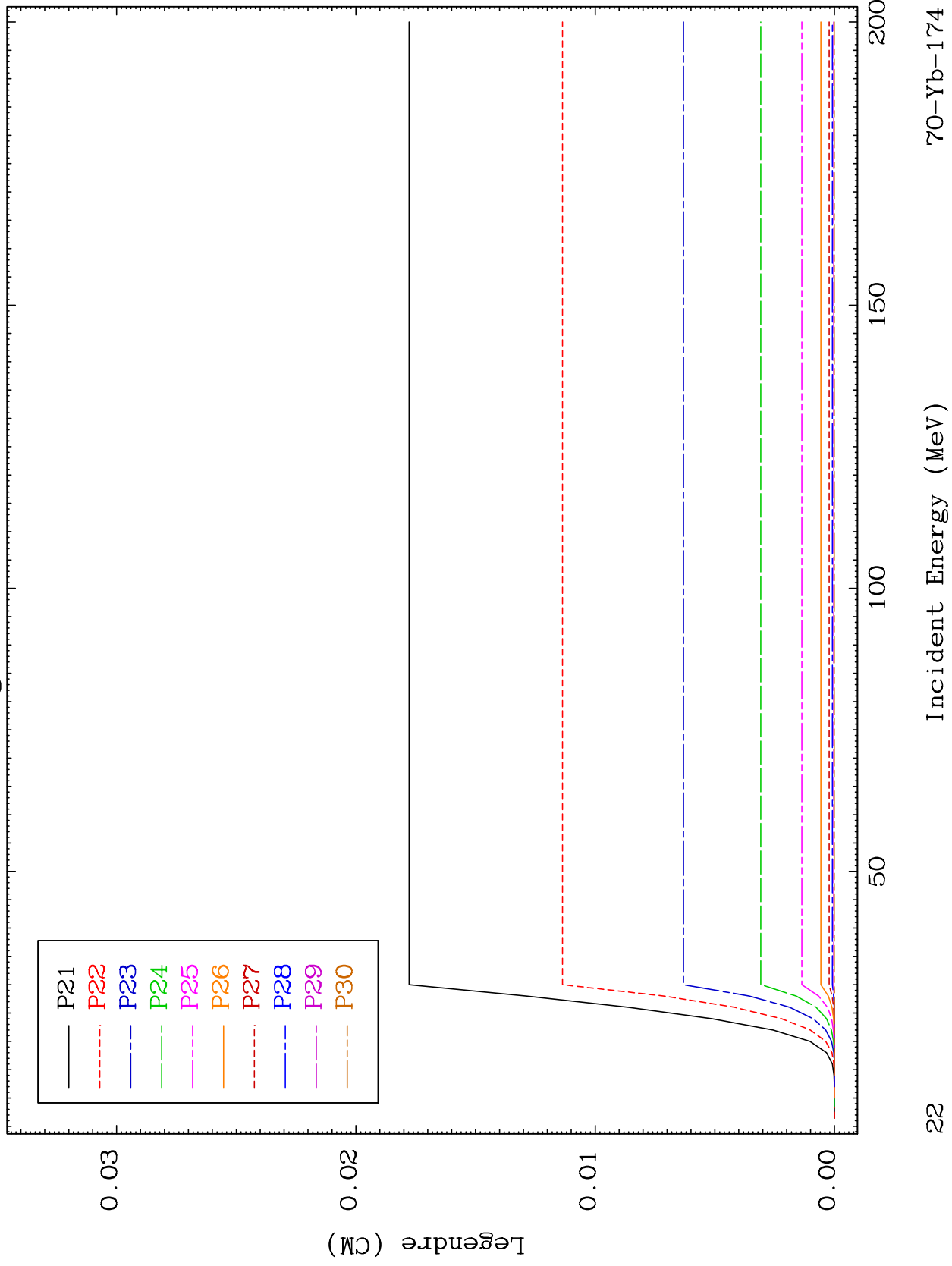




MAT 7043

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

70-Yb-174



22

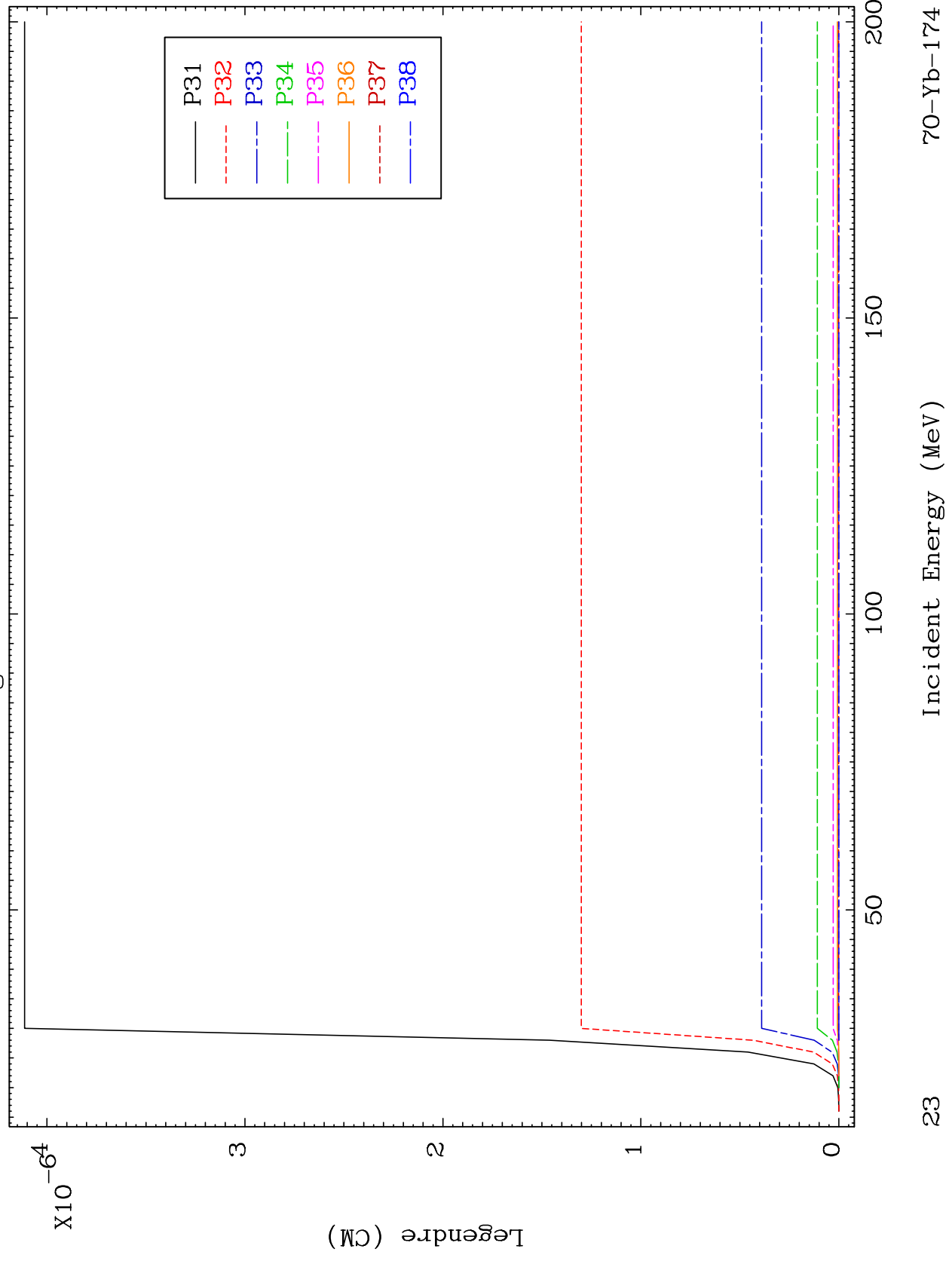
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



23

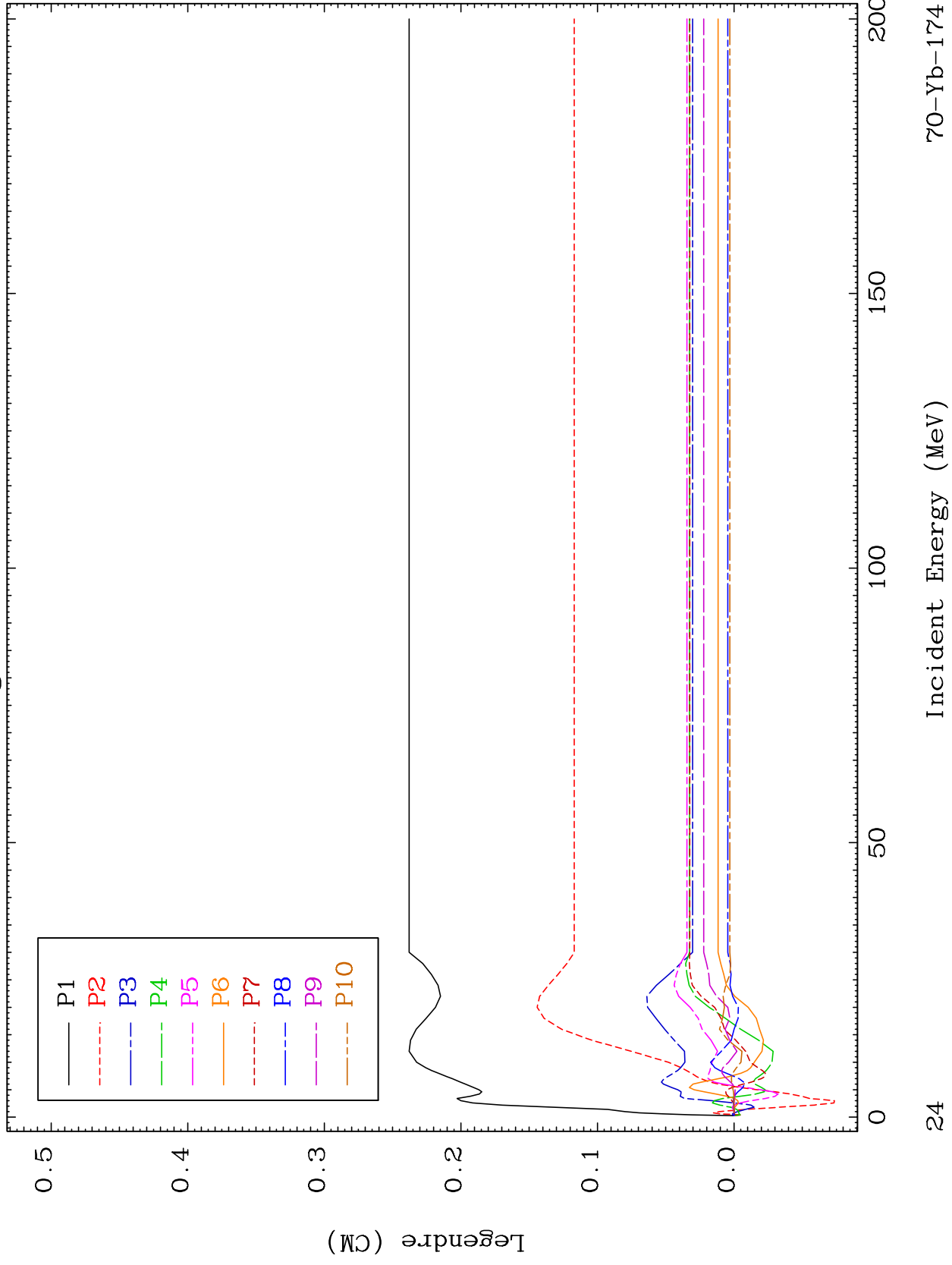
70-Yb-174



MAT 7043

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

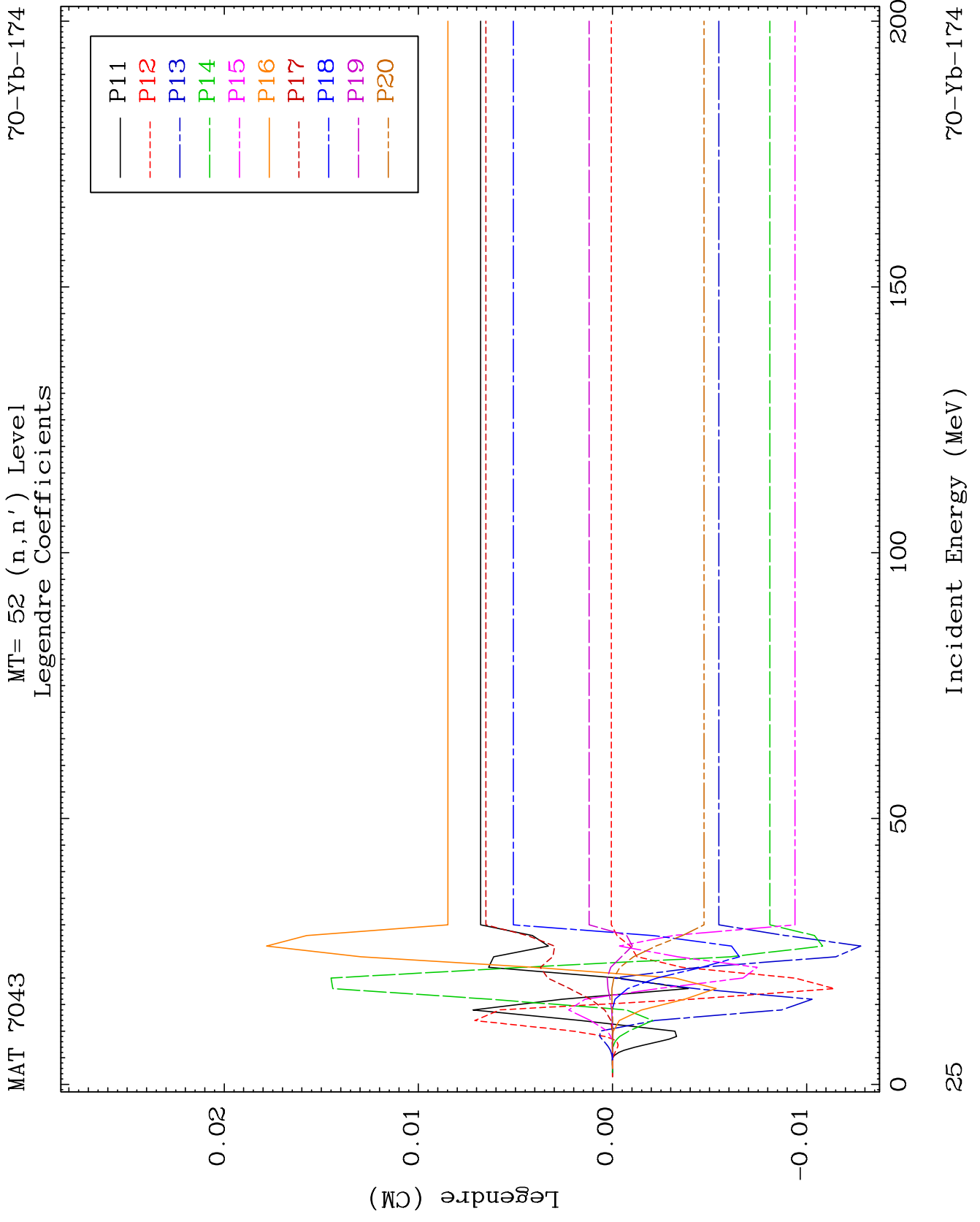
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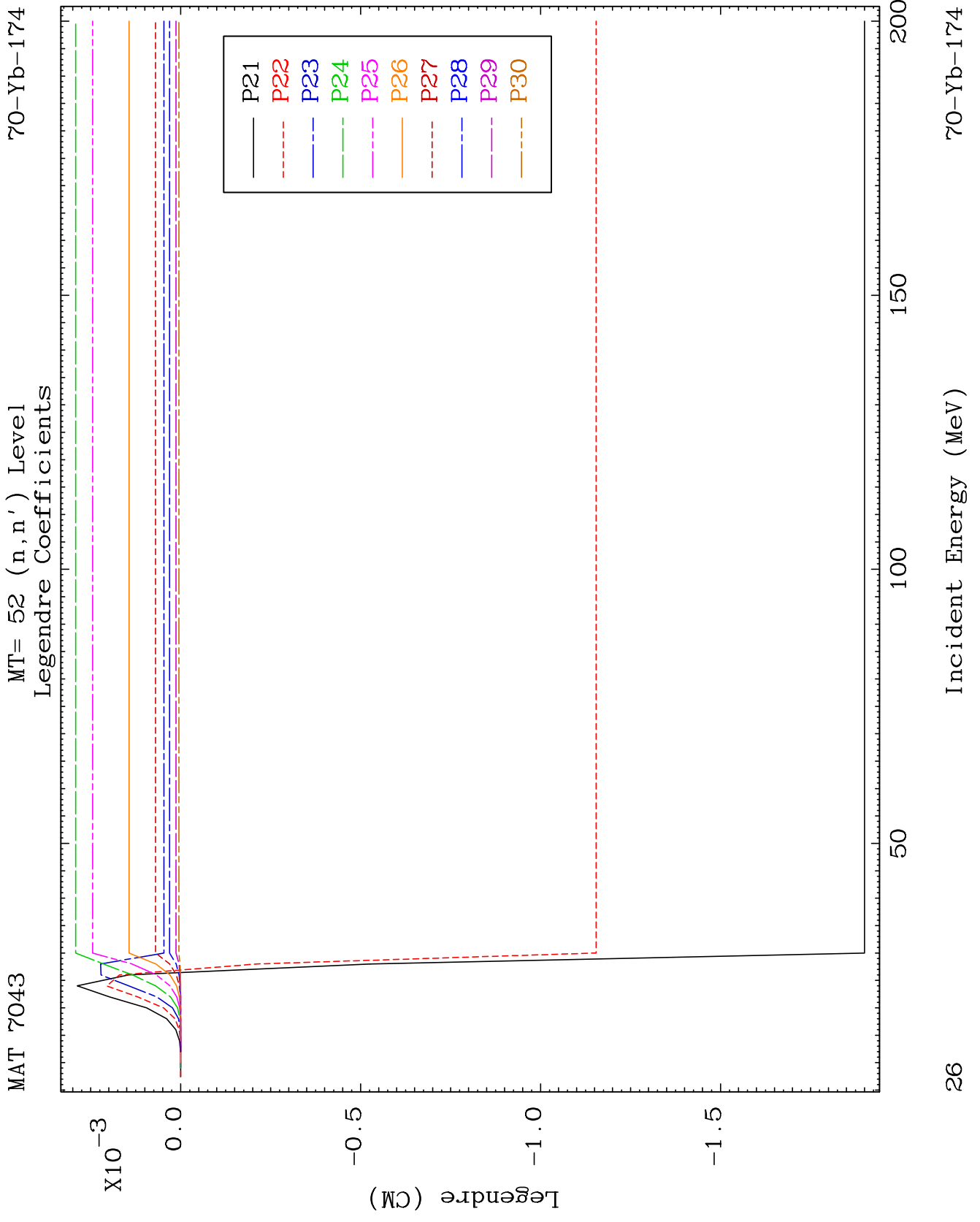


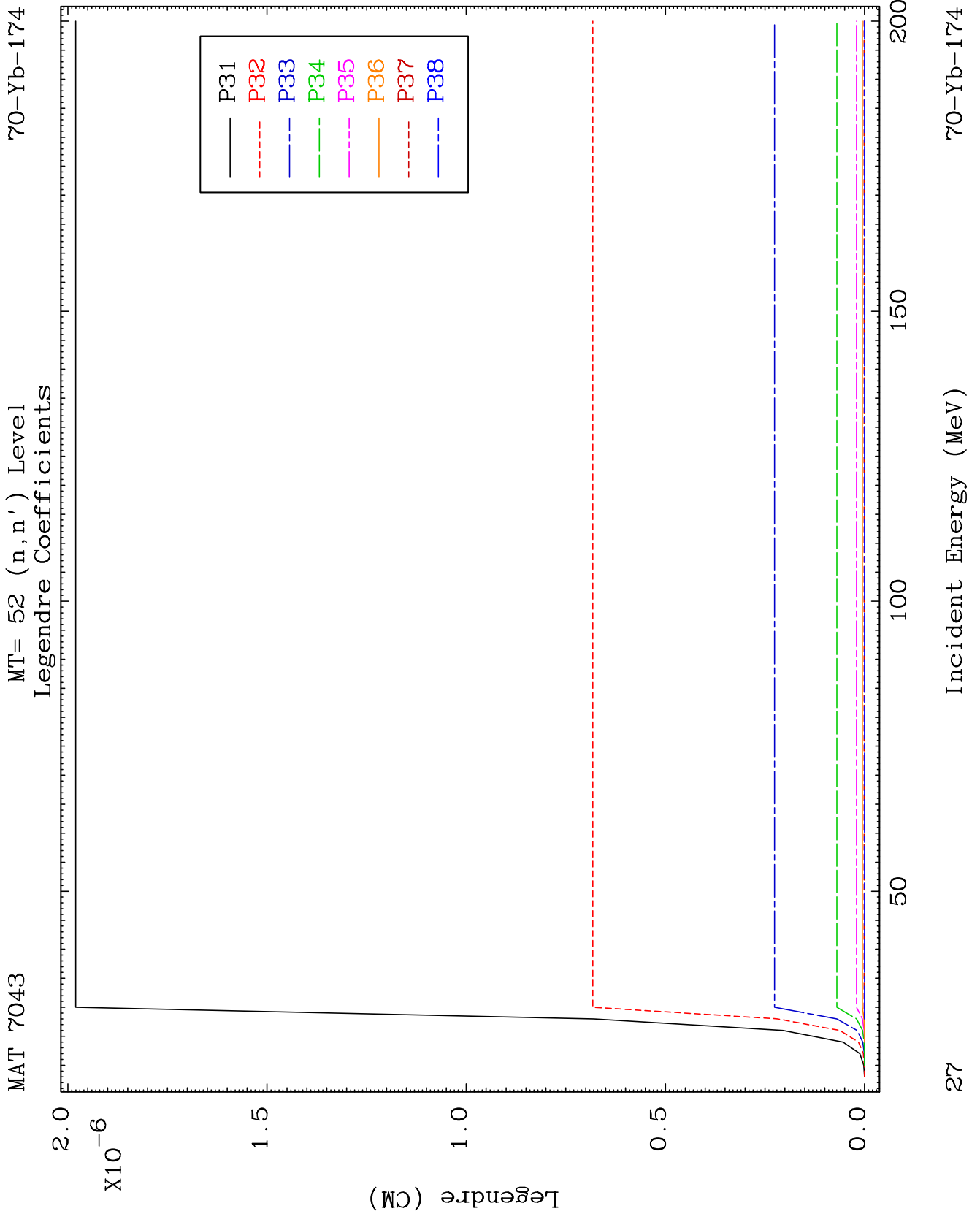
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Incident Energy (MeV)

70-Yb-174



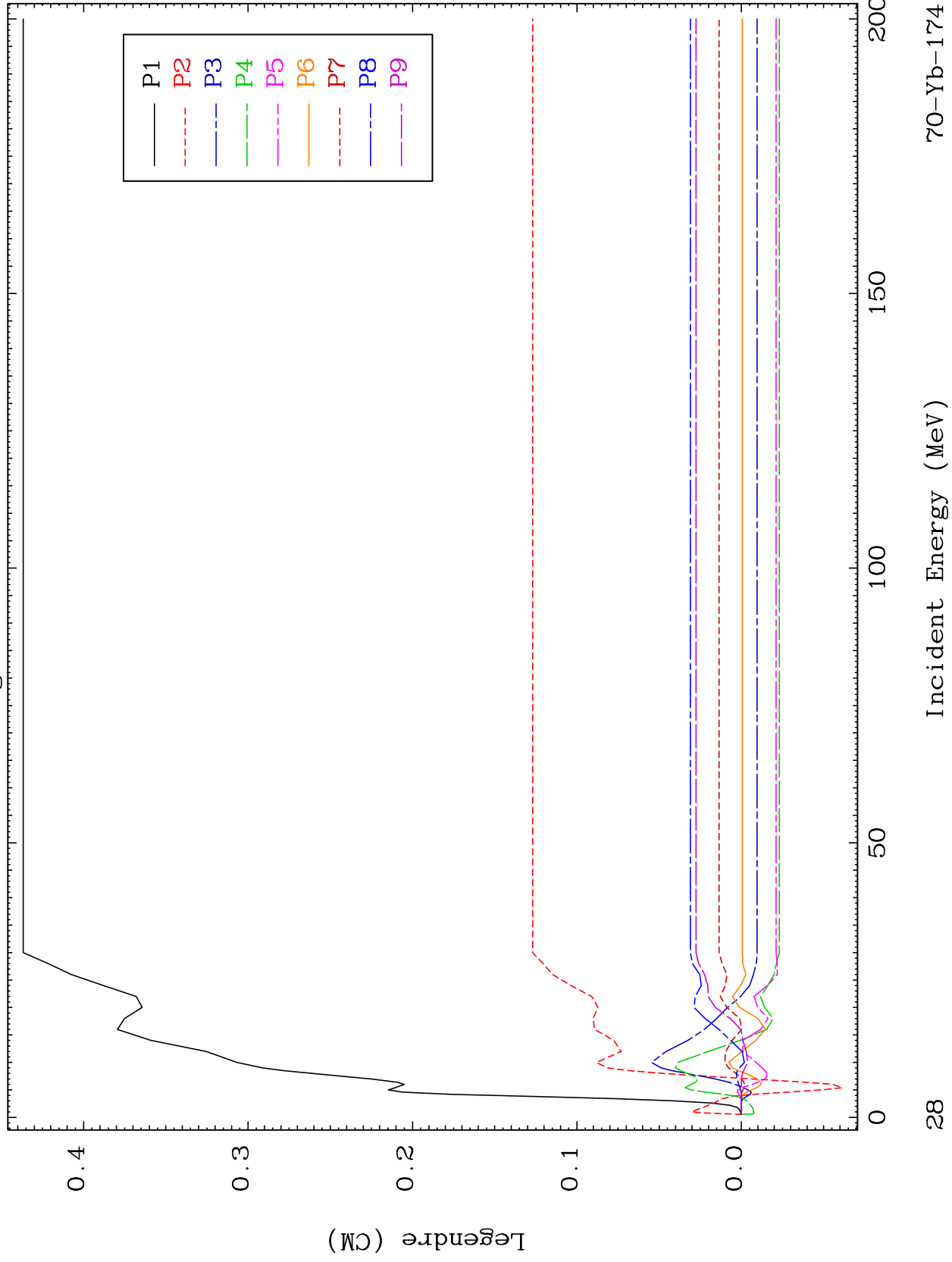




MAT 7043

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

70-Yb-174



28

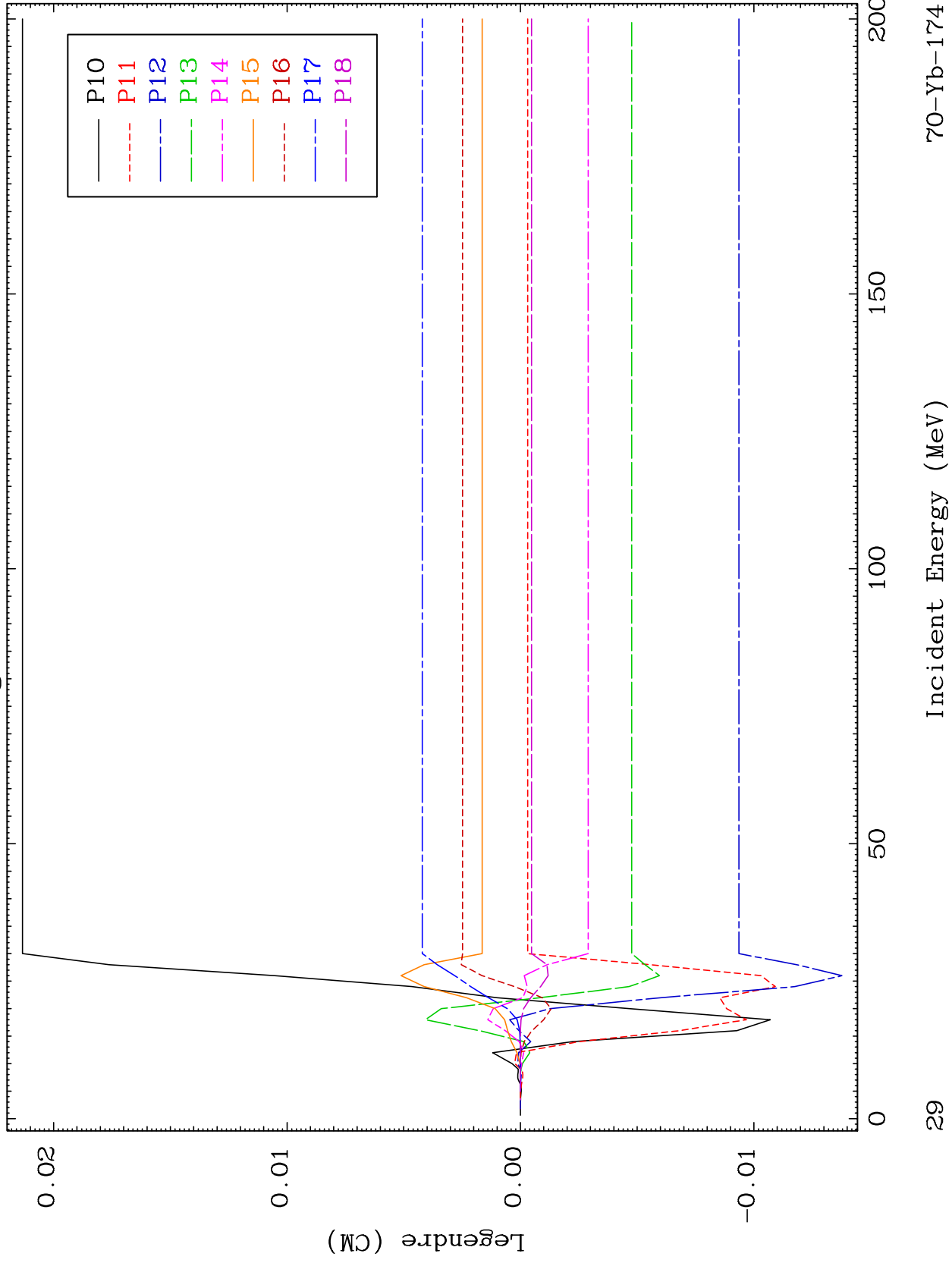
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



29

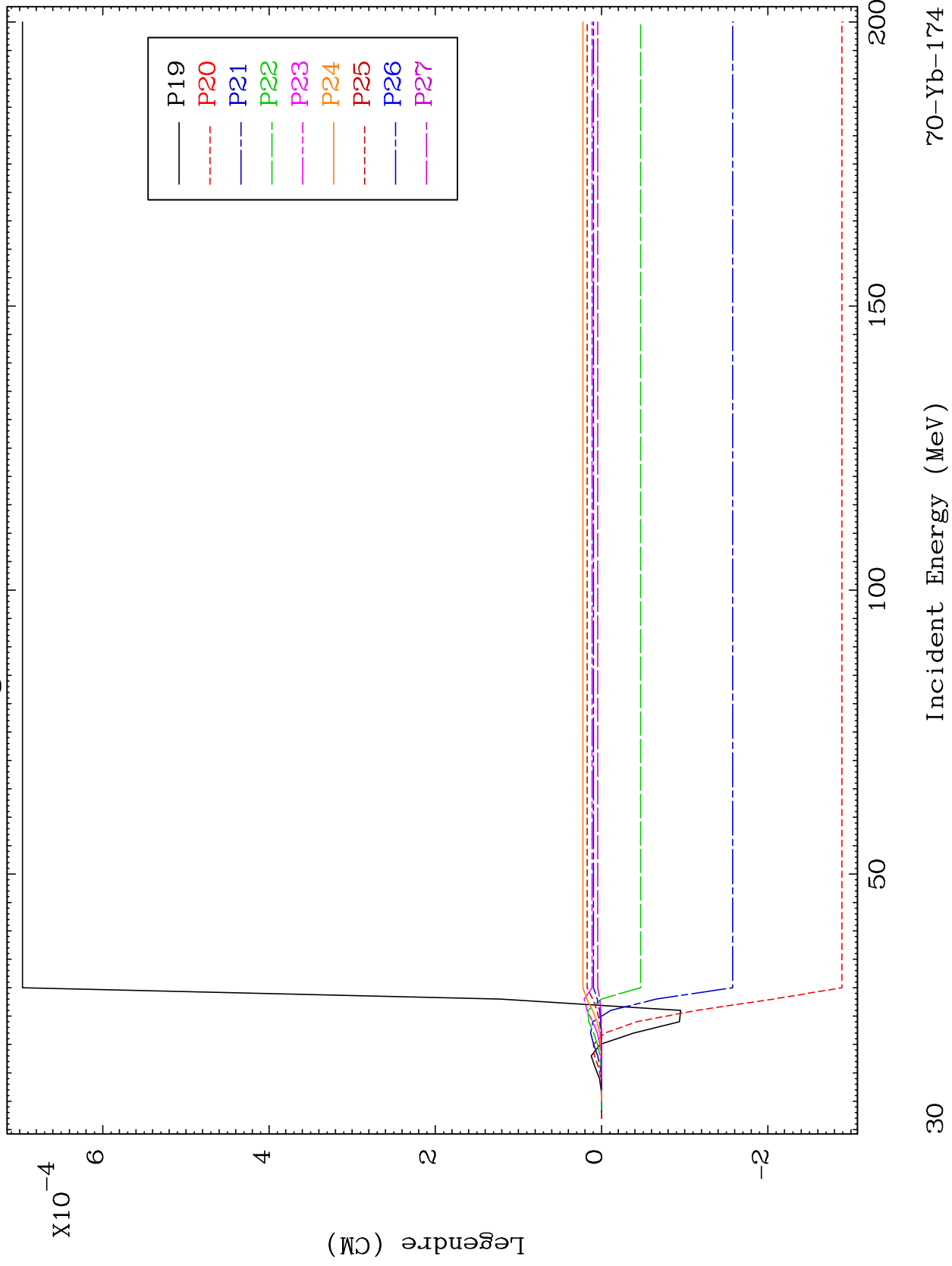
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

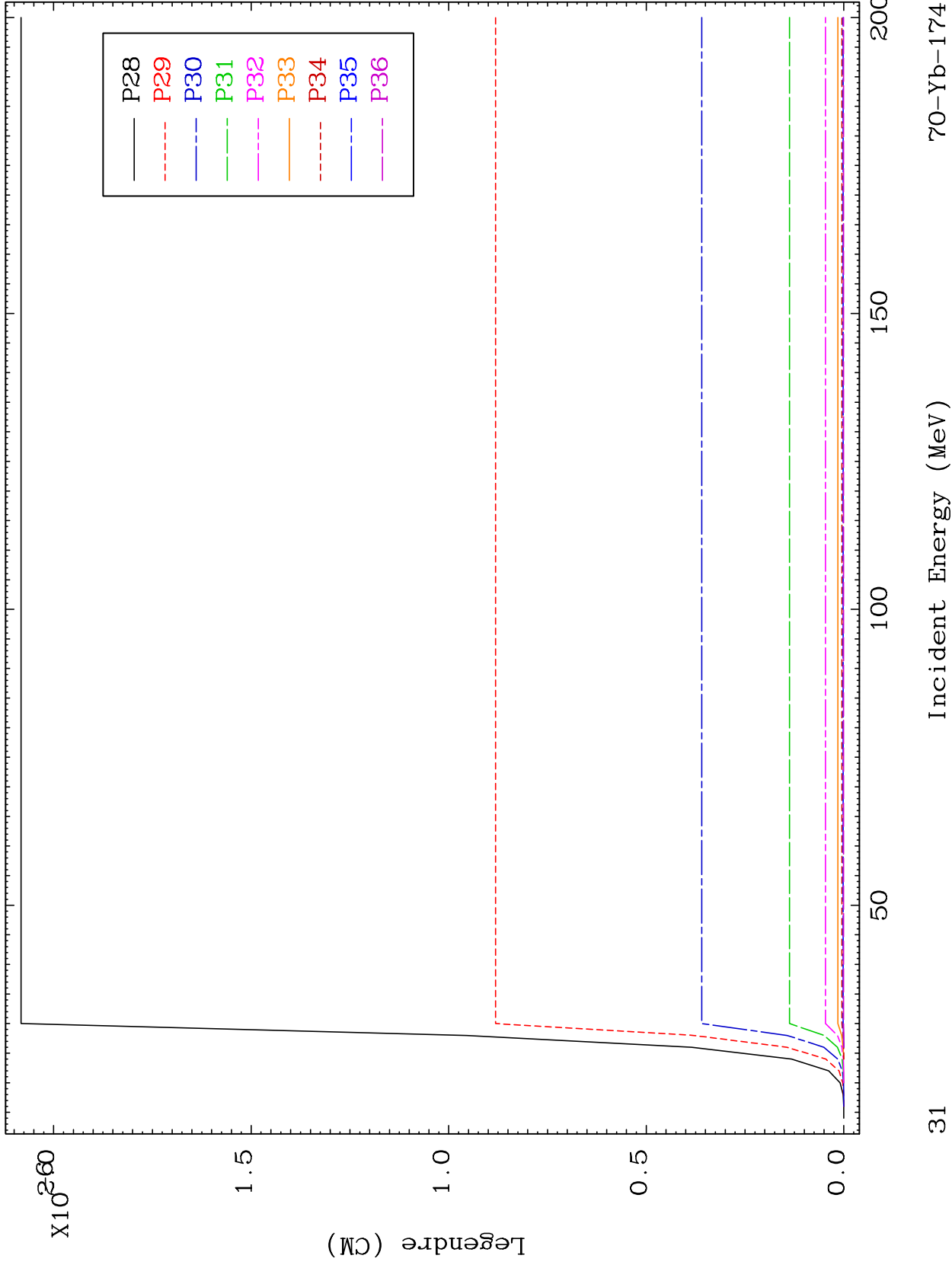
70-Yb-174



MAT 7043

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

70-Yb-174



31

Incident Energy (MeV)

70-Yb-174

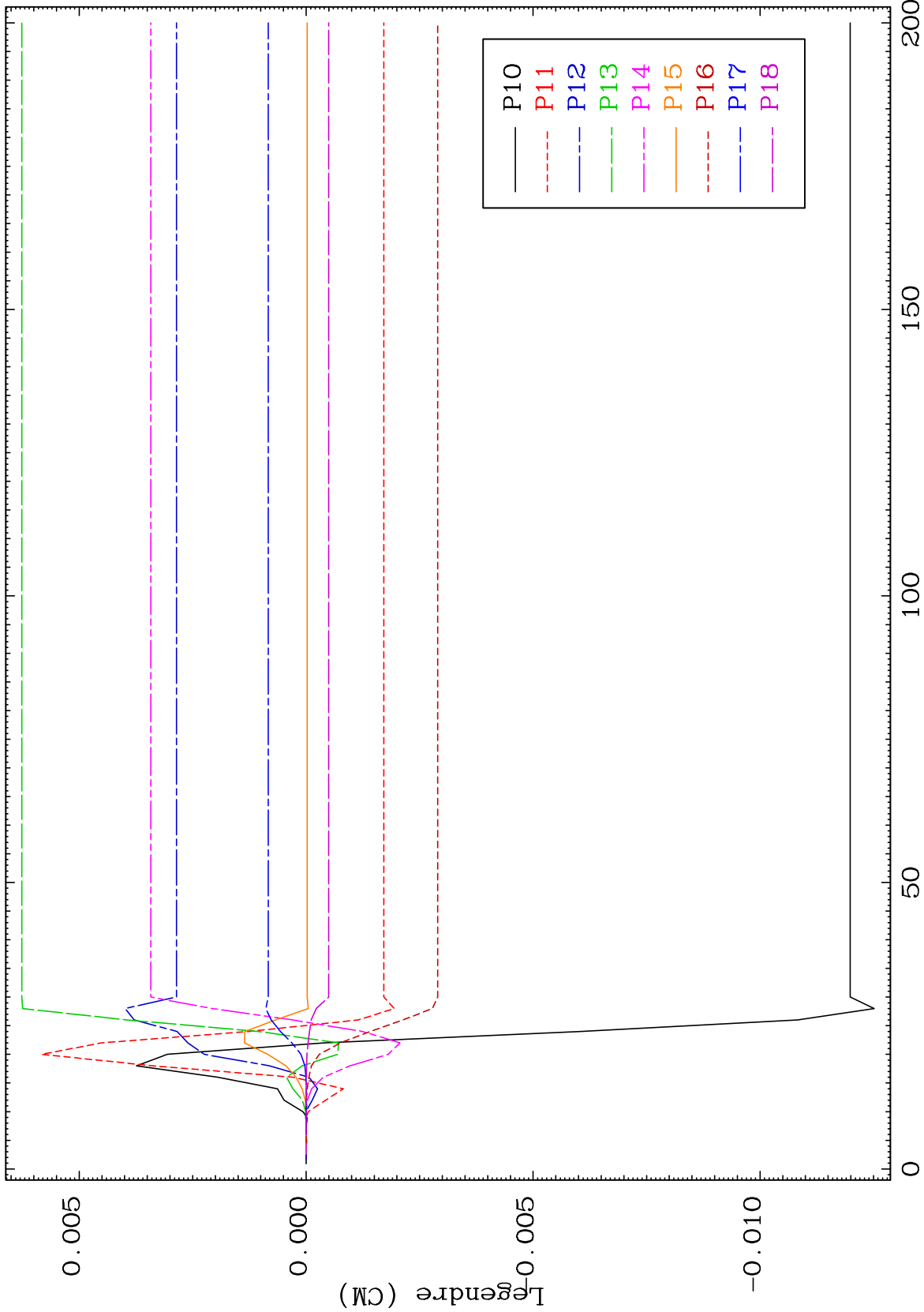




MAT 7043

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

70-Yb-174



33

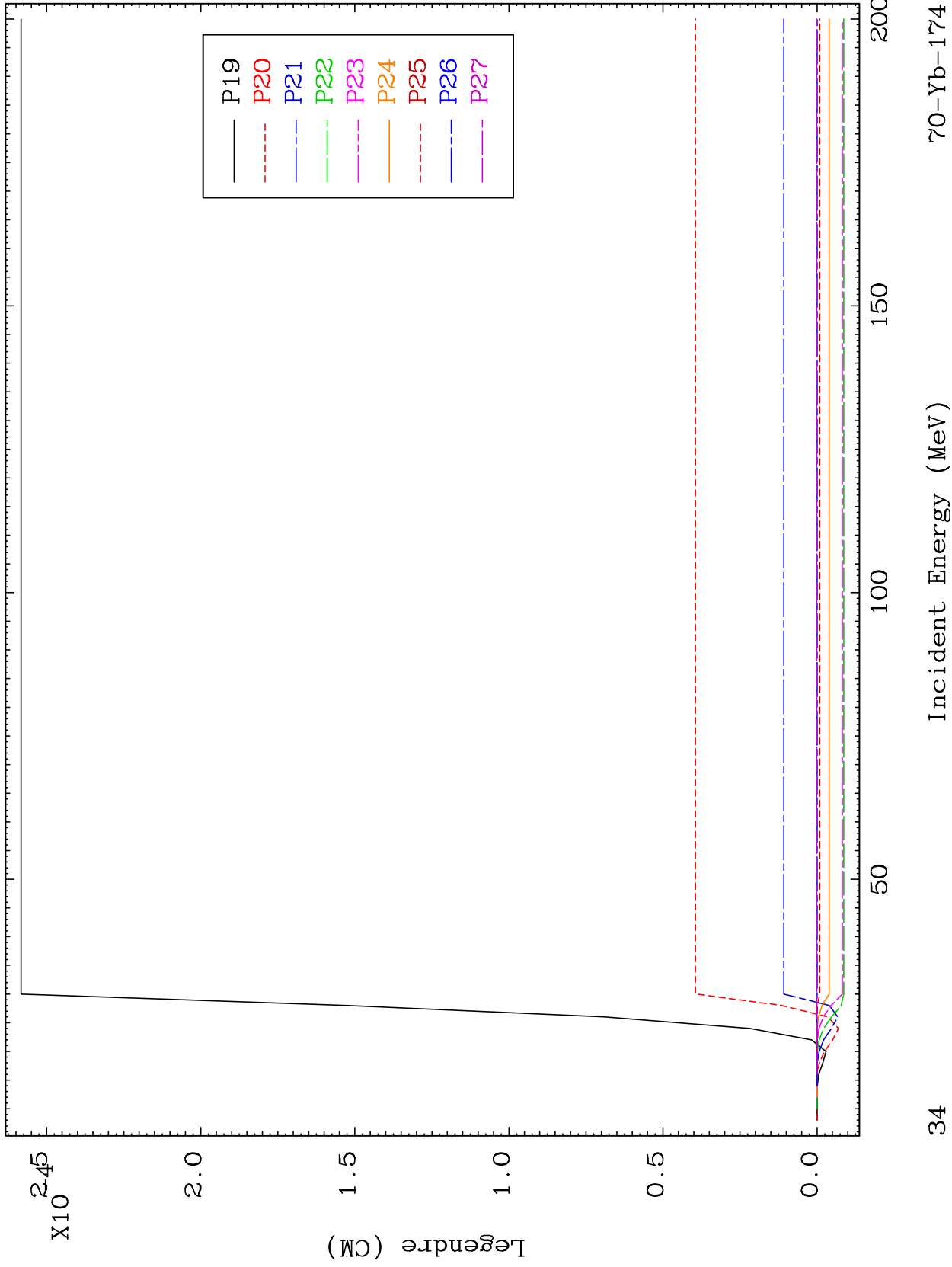
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174

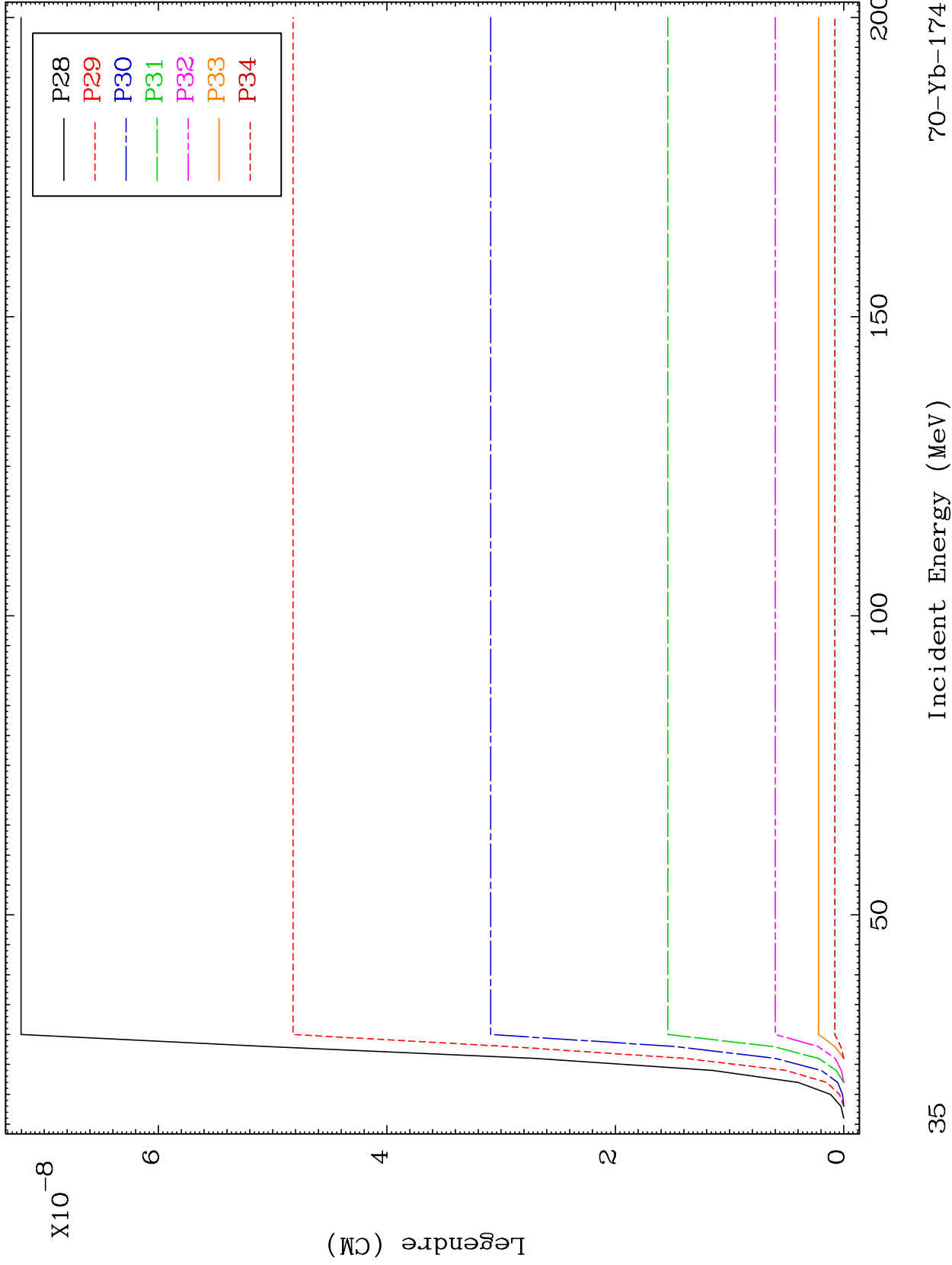


34

MAT 7043

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

70-Yb-174



35

Incident Energy (MeV)

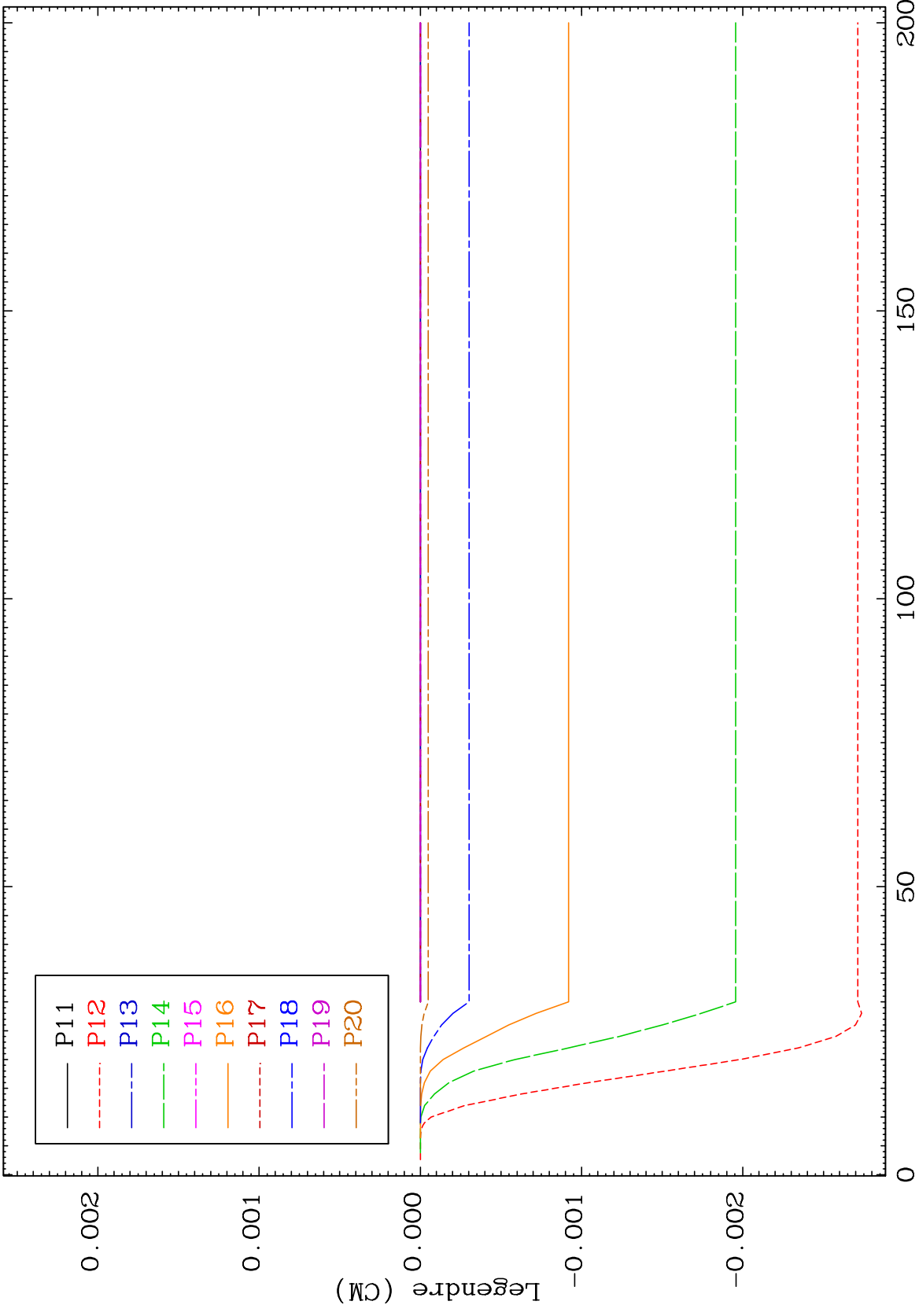
70-Yb-174



MAT 7043

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

70-Yb-174



37

Incident Energy (MeV)

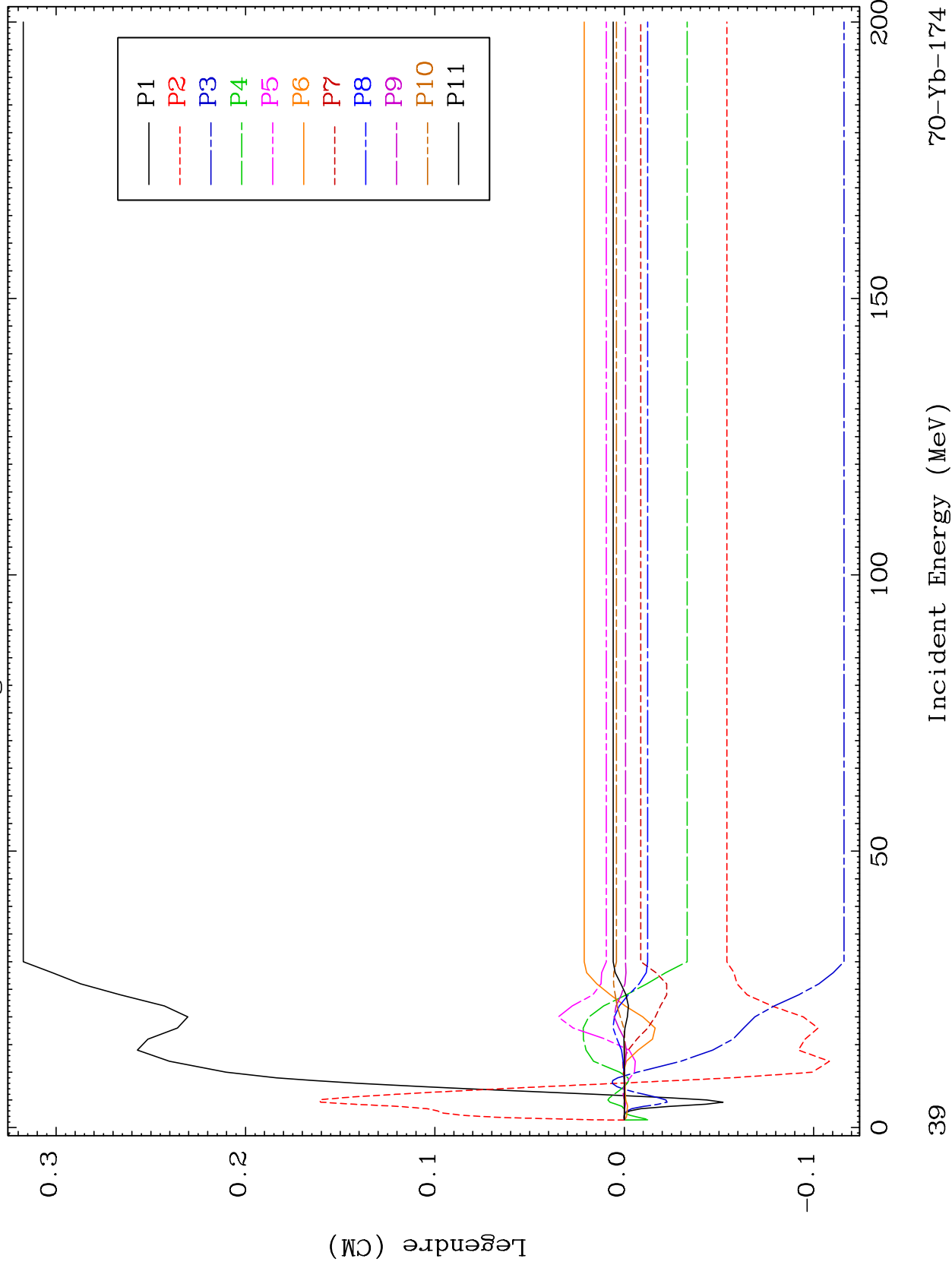
70-Yb-174



MAT 7043

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

70-Yb-174



39

Incident Energy (MeV)

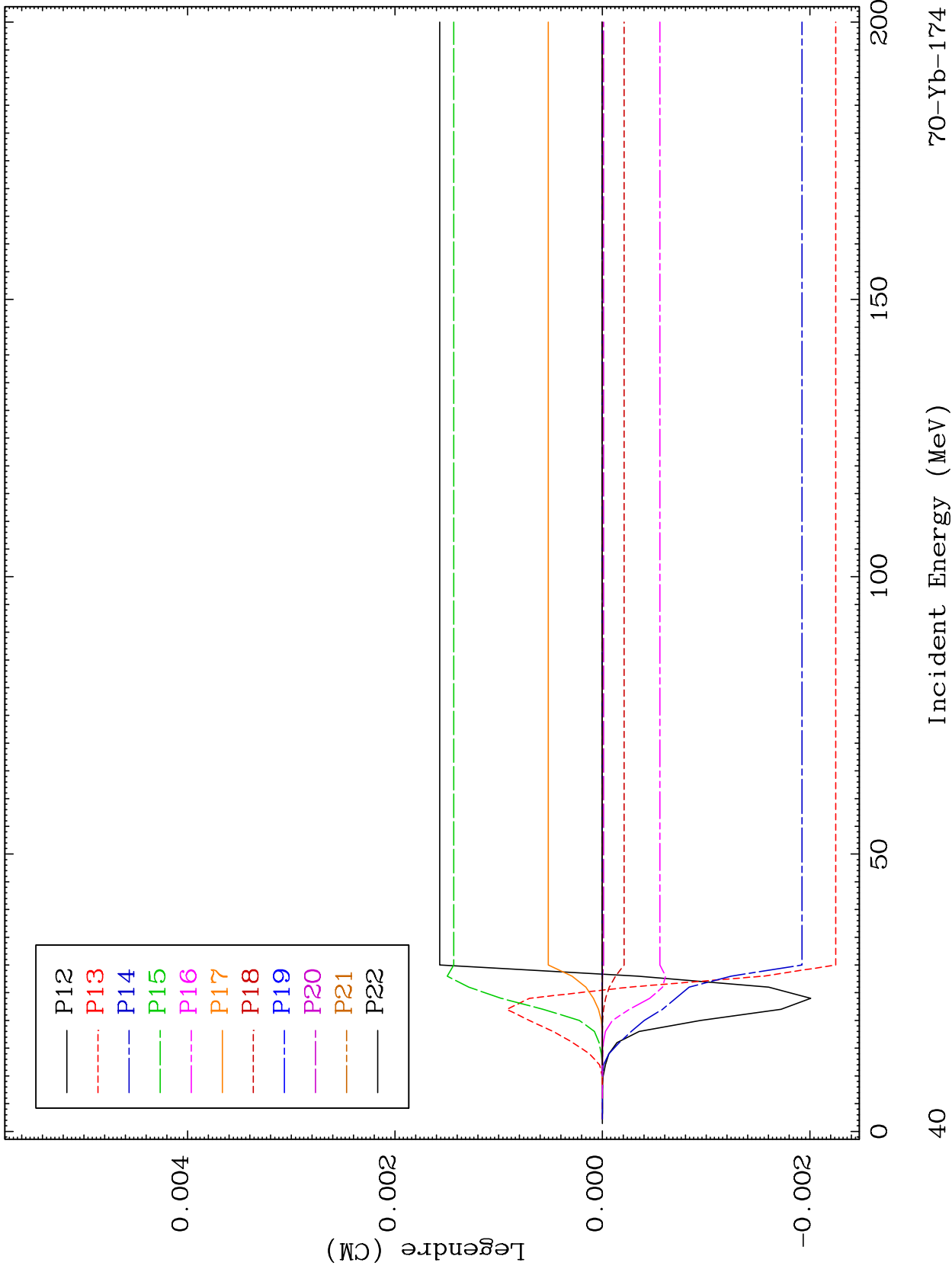
70-Yb-174



MAT 7043

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

70-Yb-174



70-Yb-174

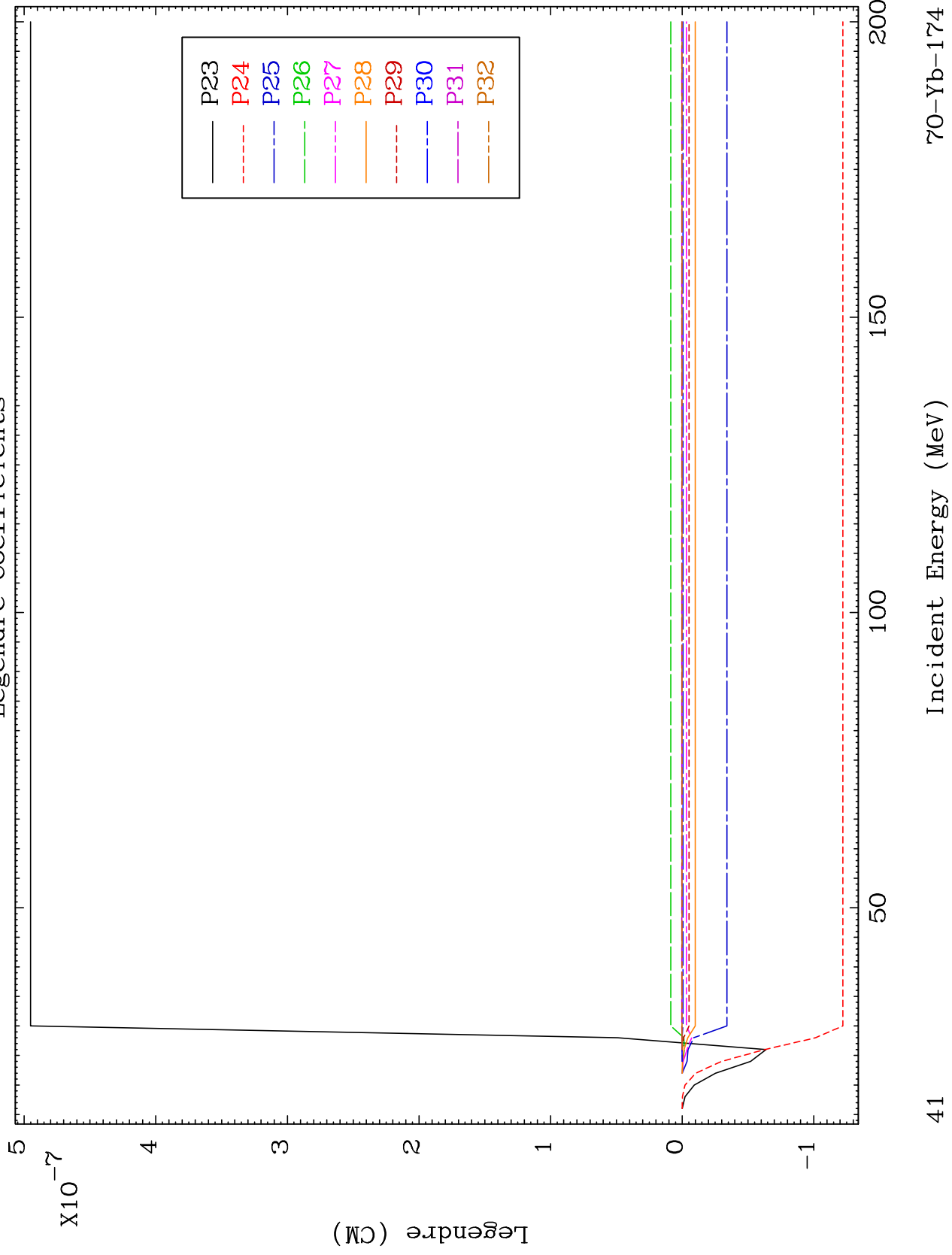
Incident Energy (MeV)

40

MAT 7043

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

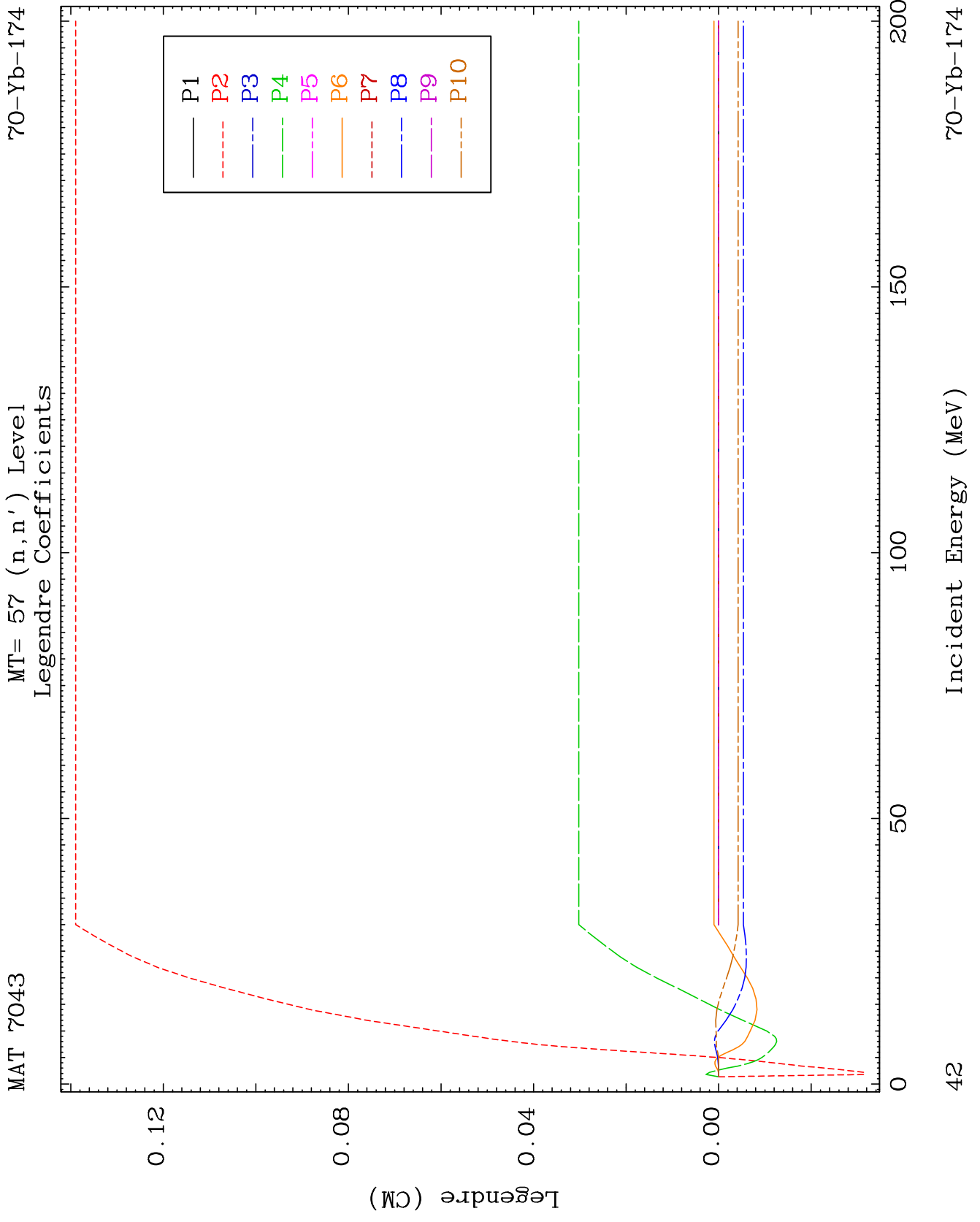
70-Yb-174



41

Incident Energy (MeV)

70-Yb-174

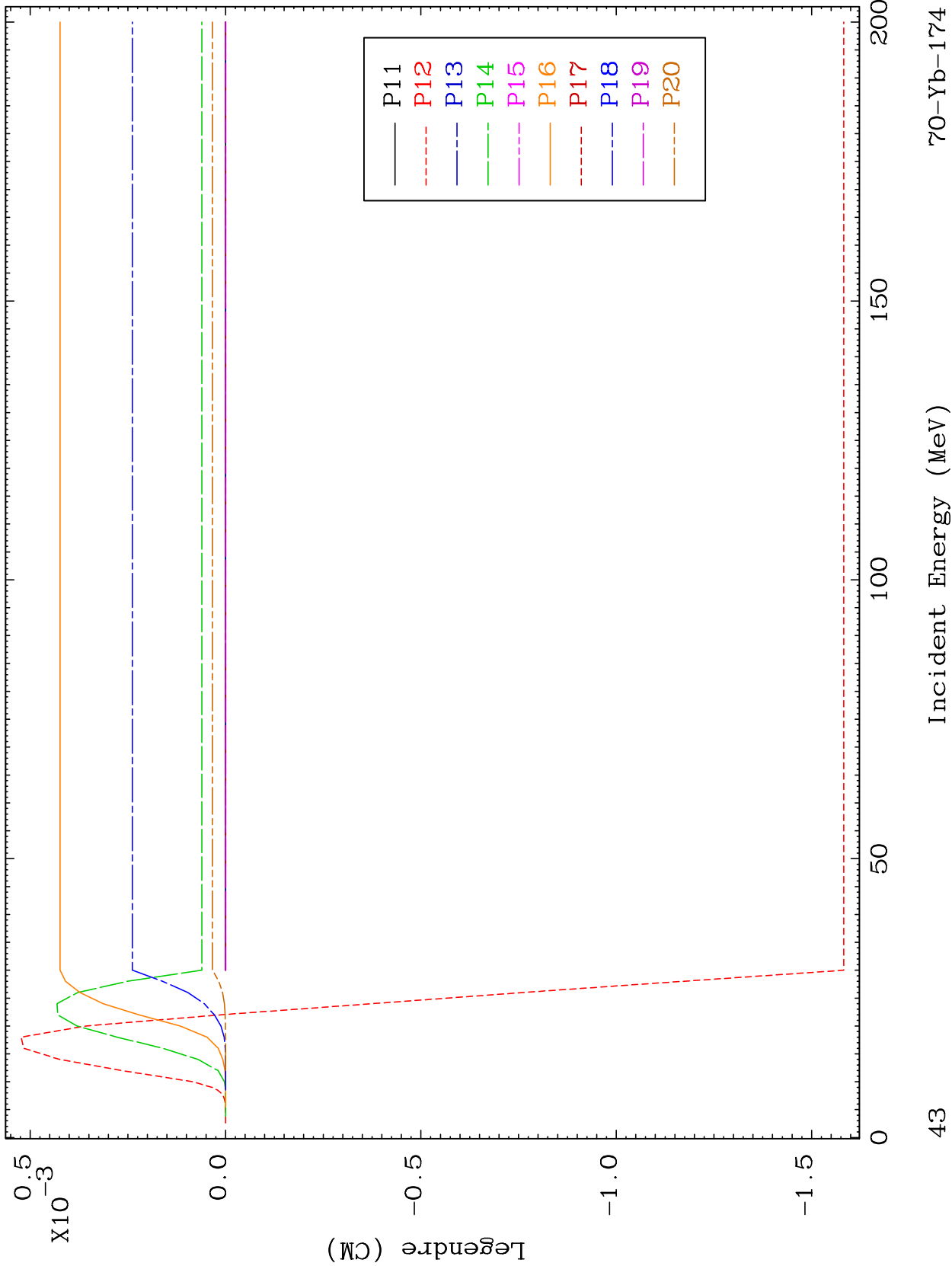


MAT 7043

MT= 57 (n,n') Level

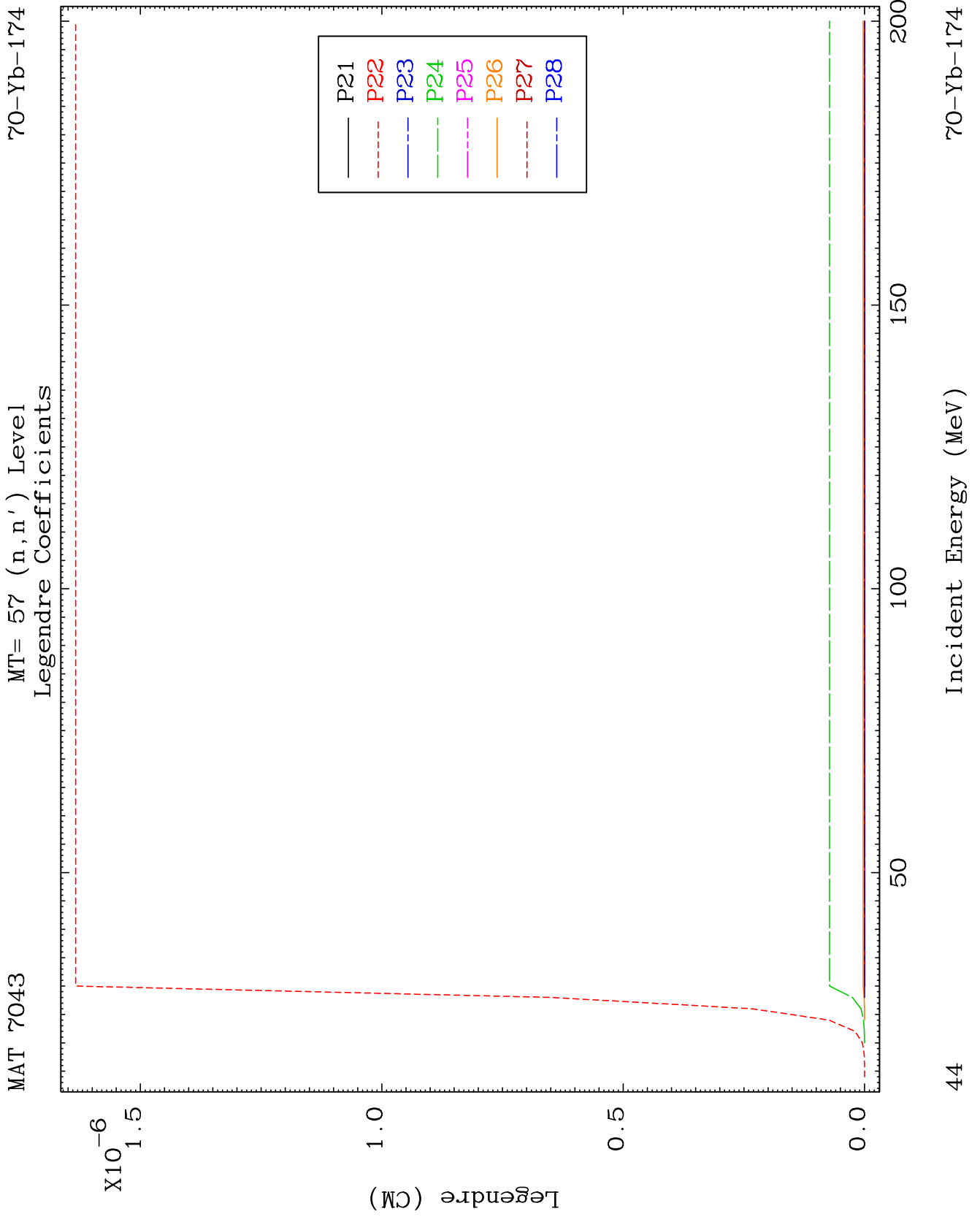
70-Yb-174

Legendre Coefficients



43

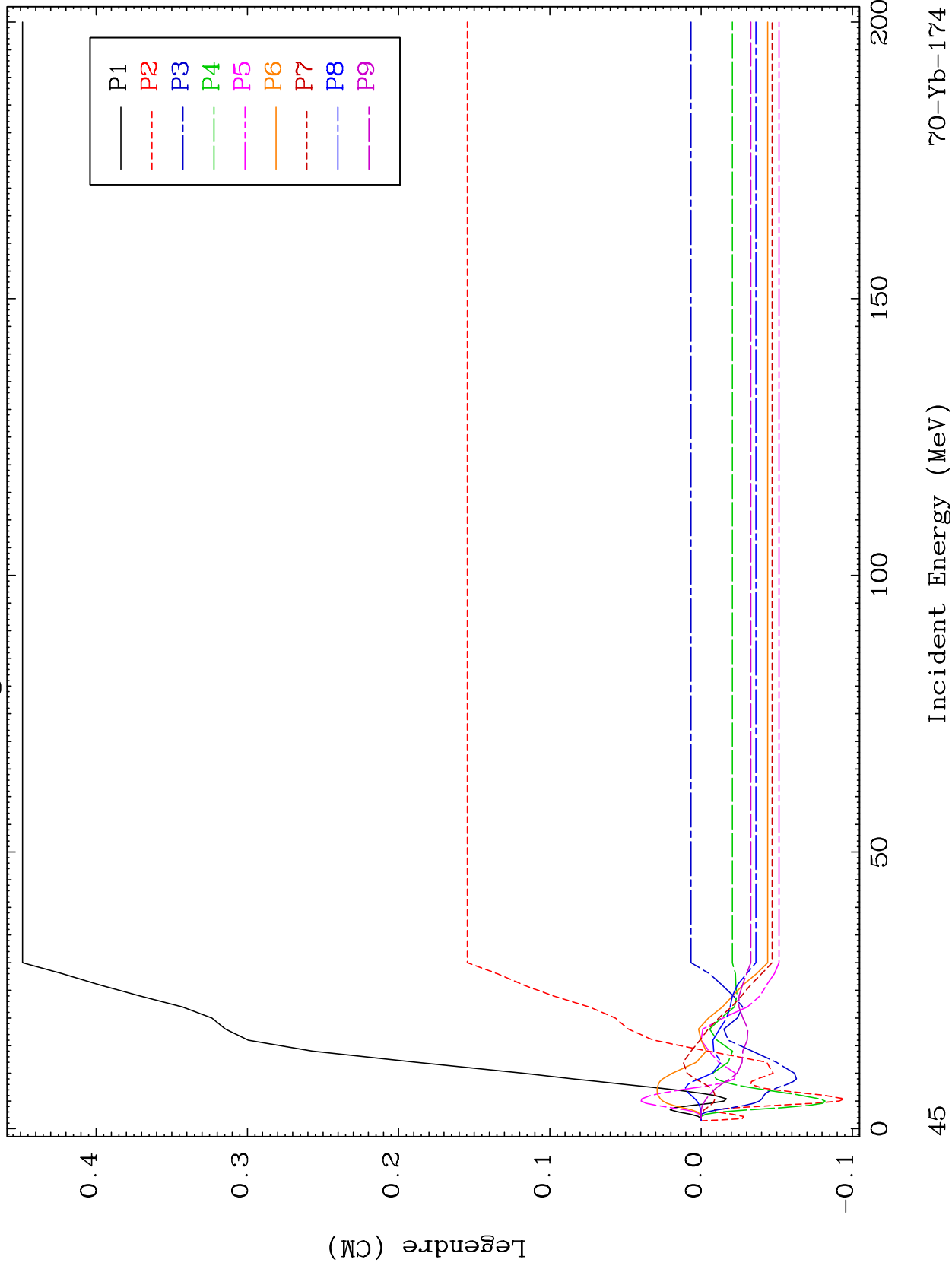
70-Yb-174



MAT 7043

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

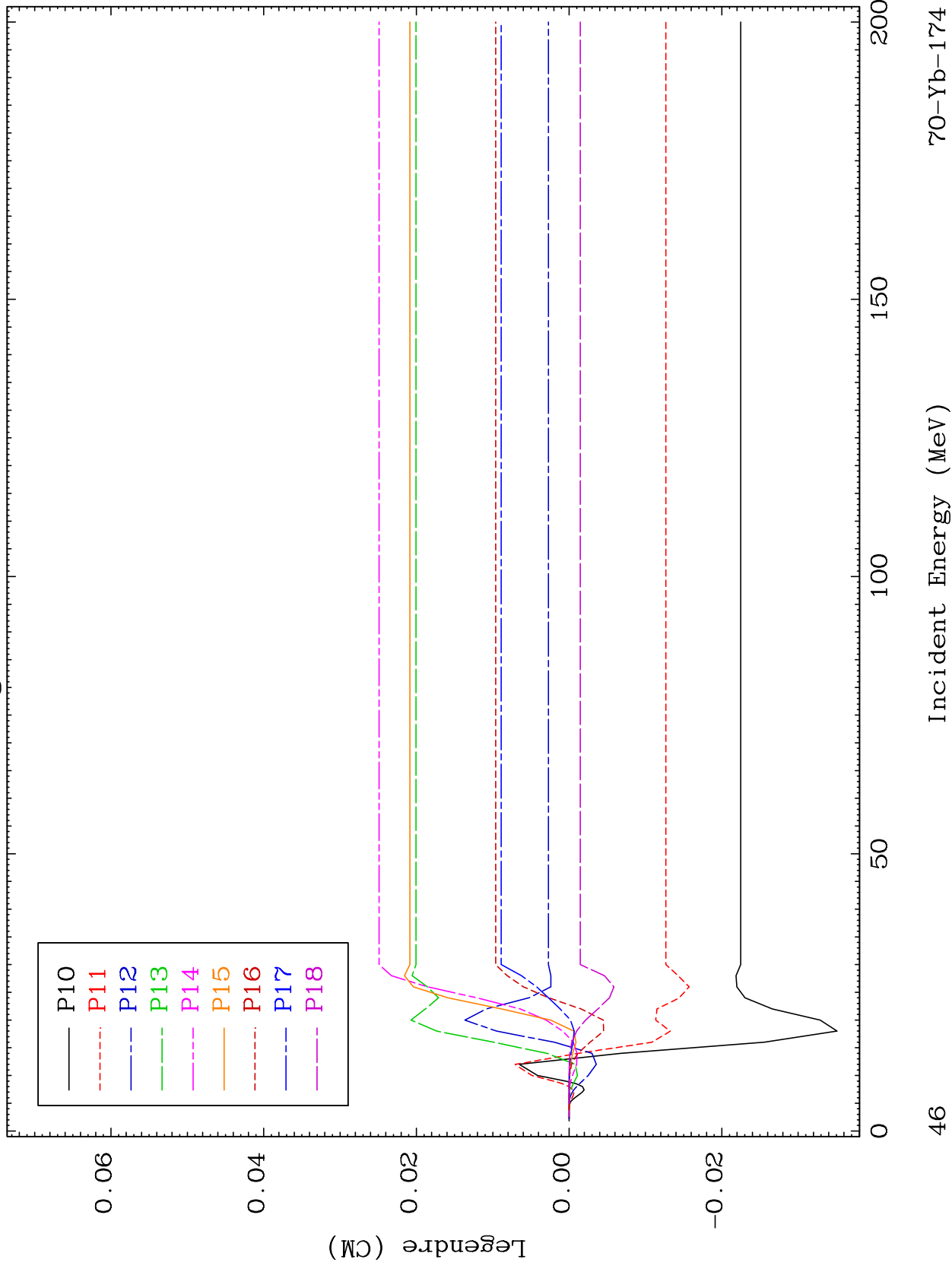
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MAT 7043

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

70-Yb-174



46

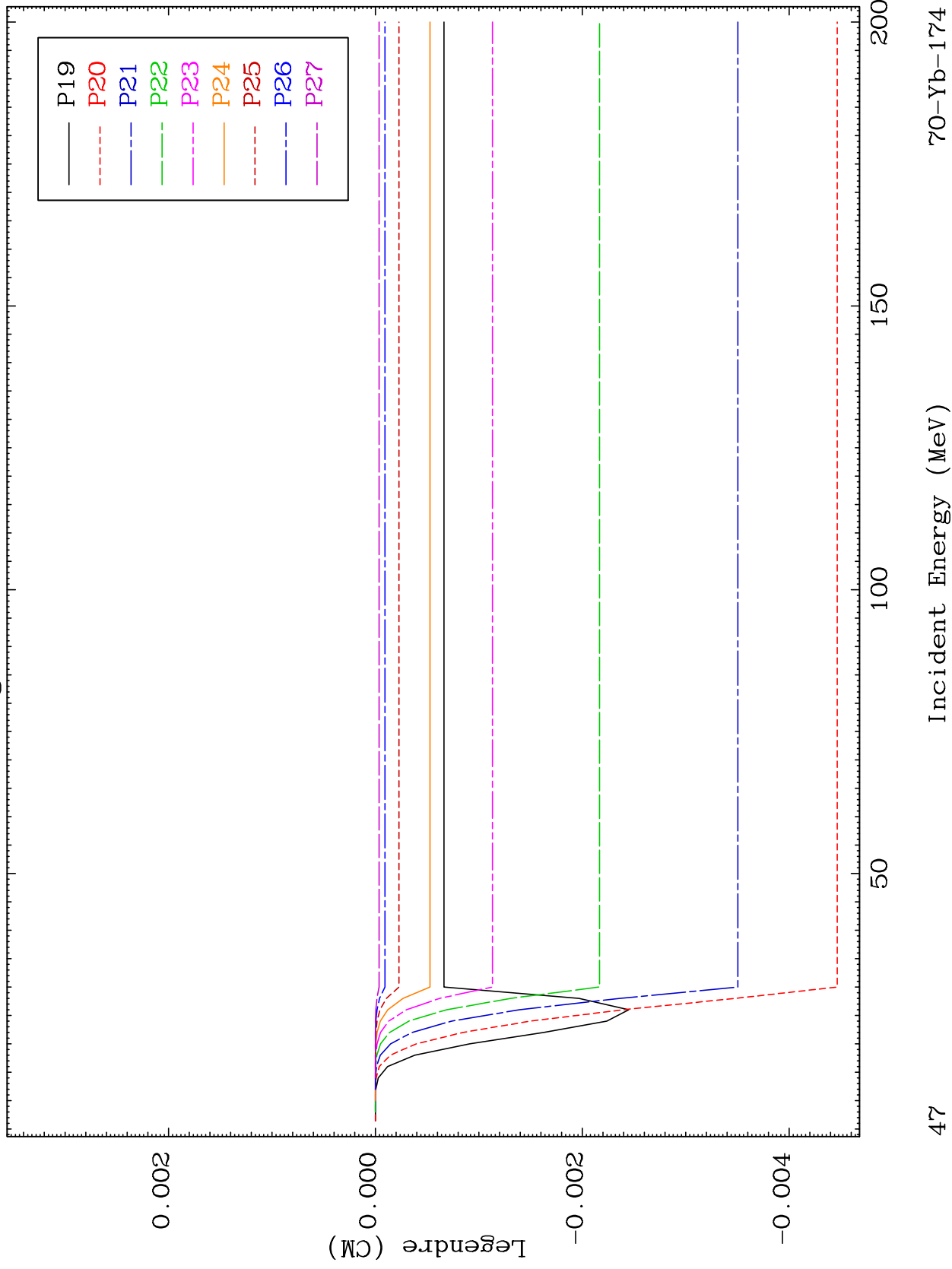
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174

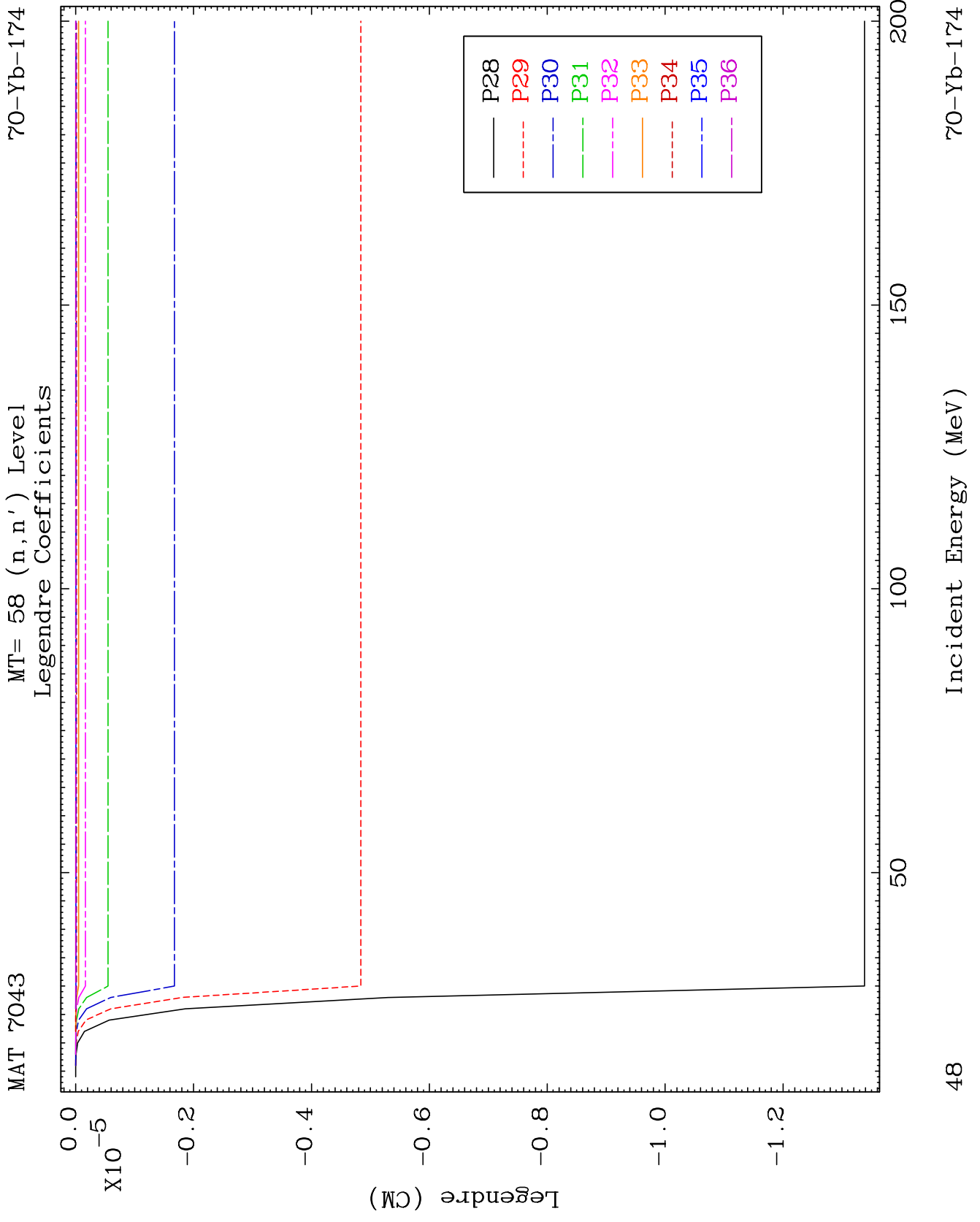


47

Incident Energy (MeV)

70-Yb-174



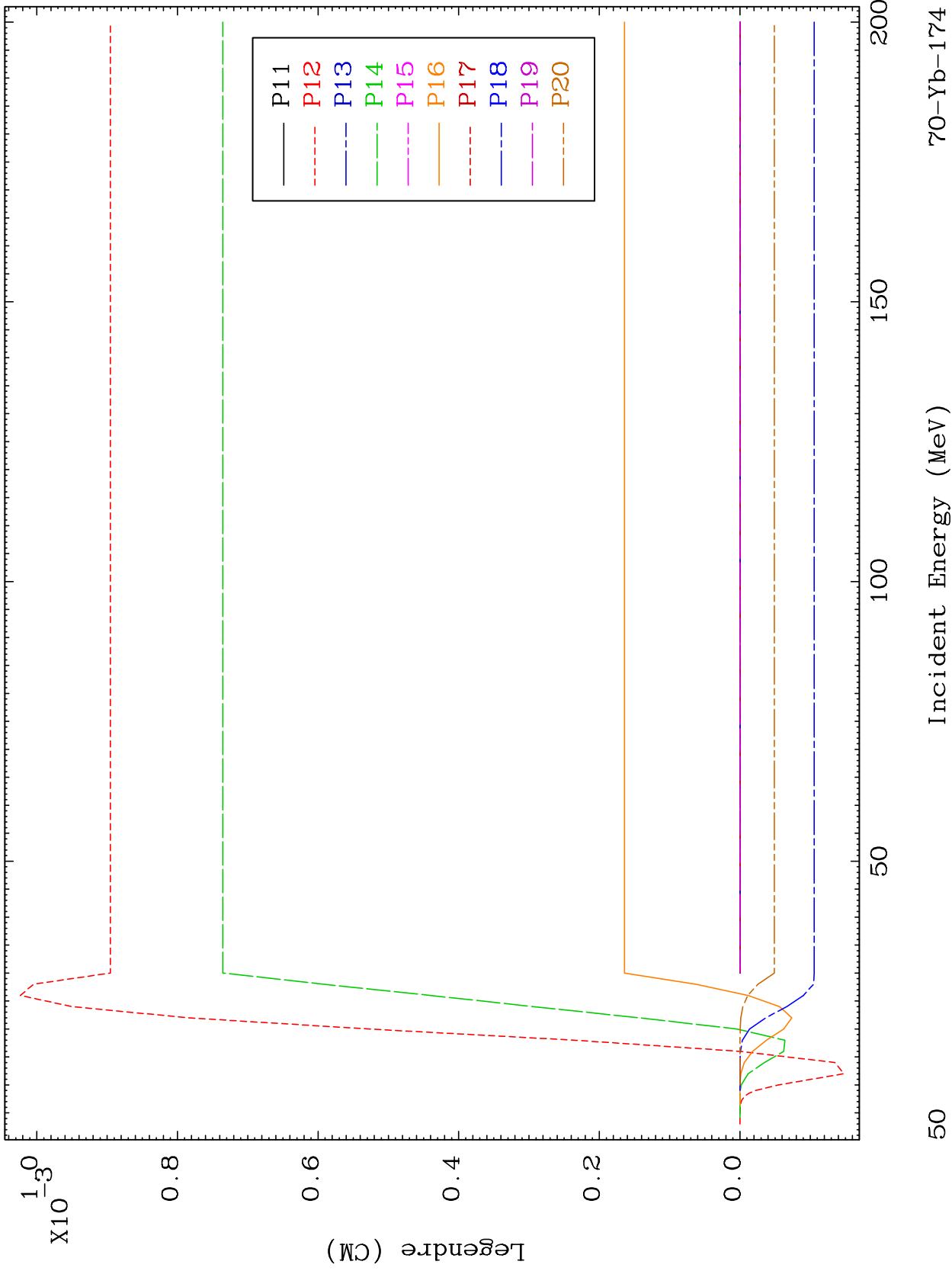




MAT 7043

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

70-Yb-174



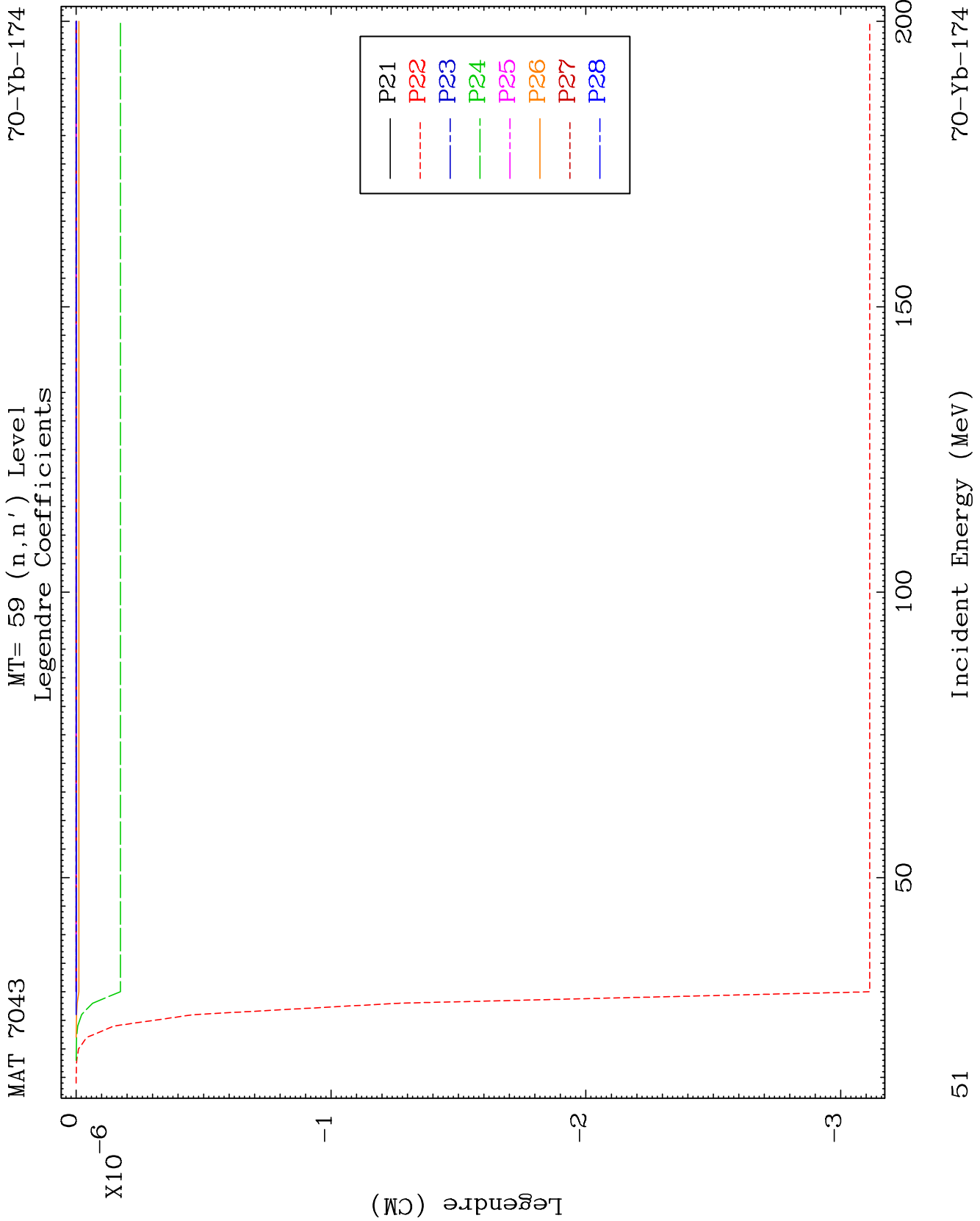
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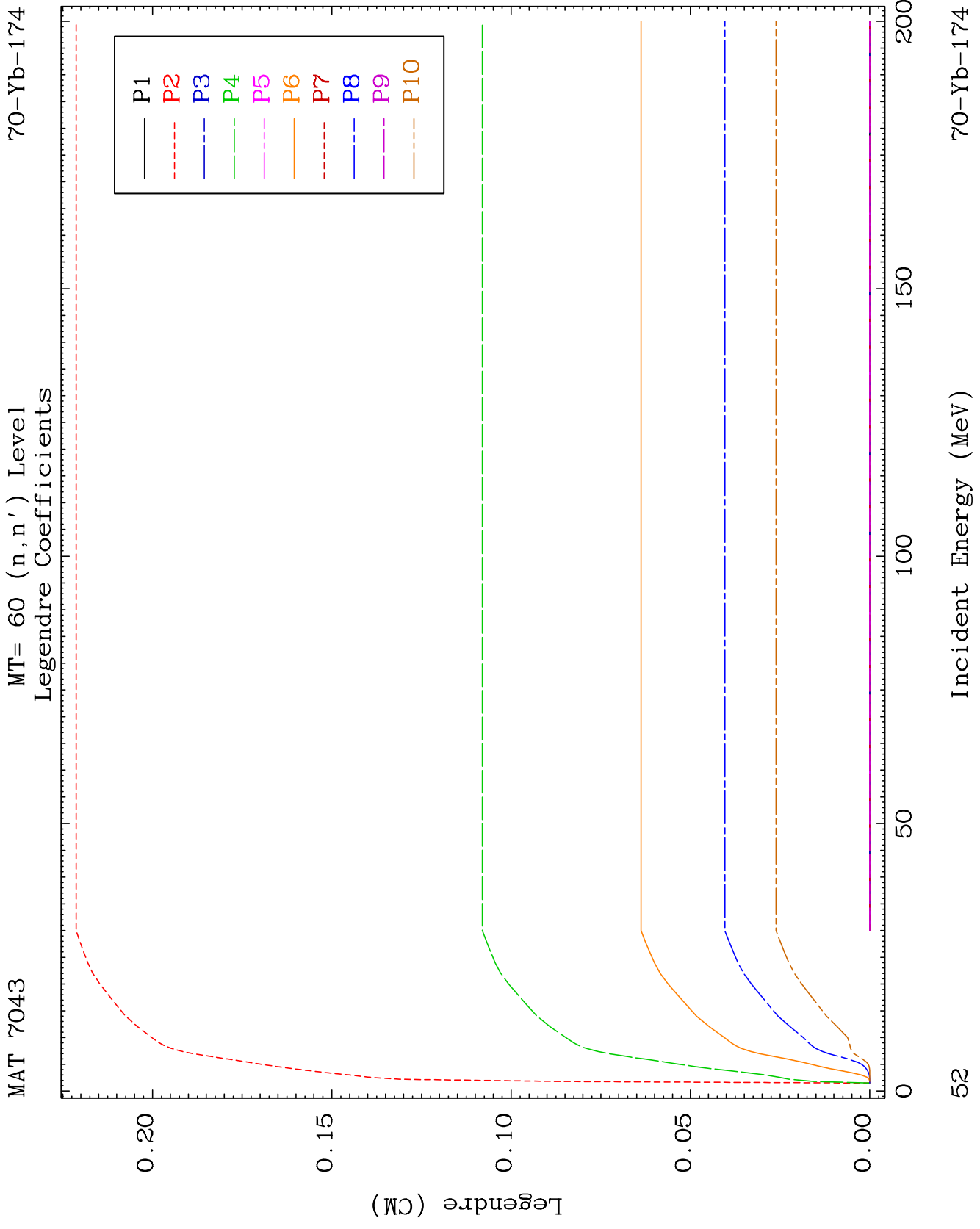
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100

150

200

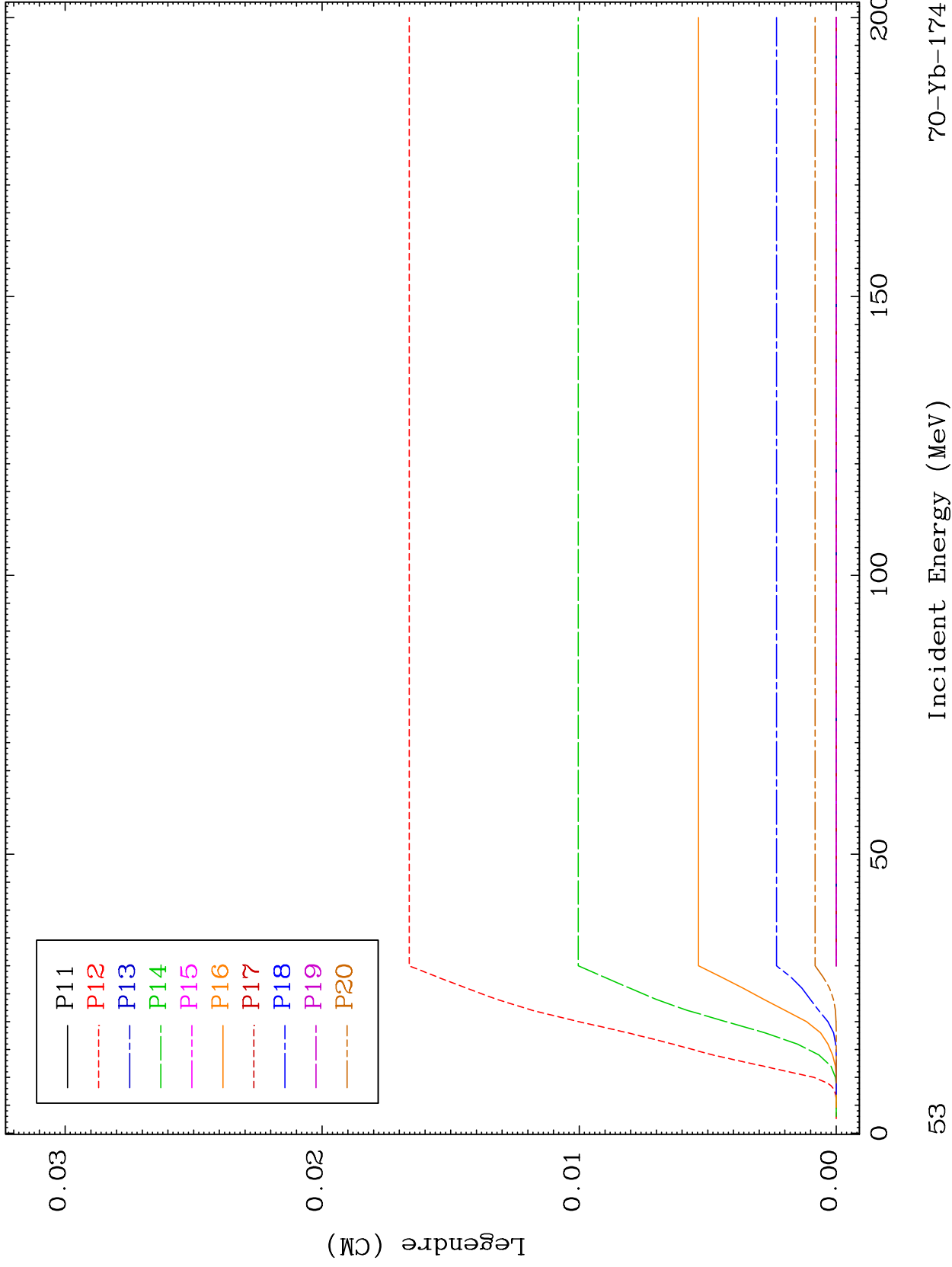




MAT 7043

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

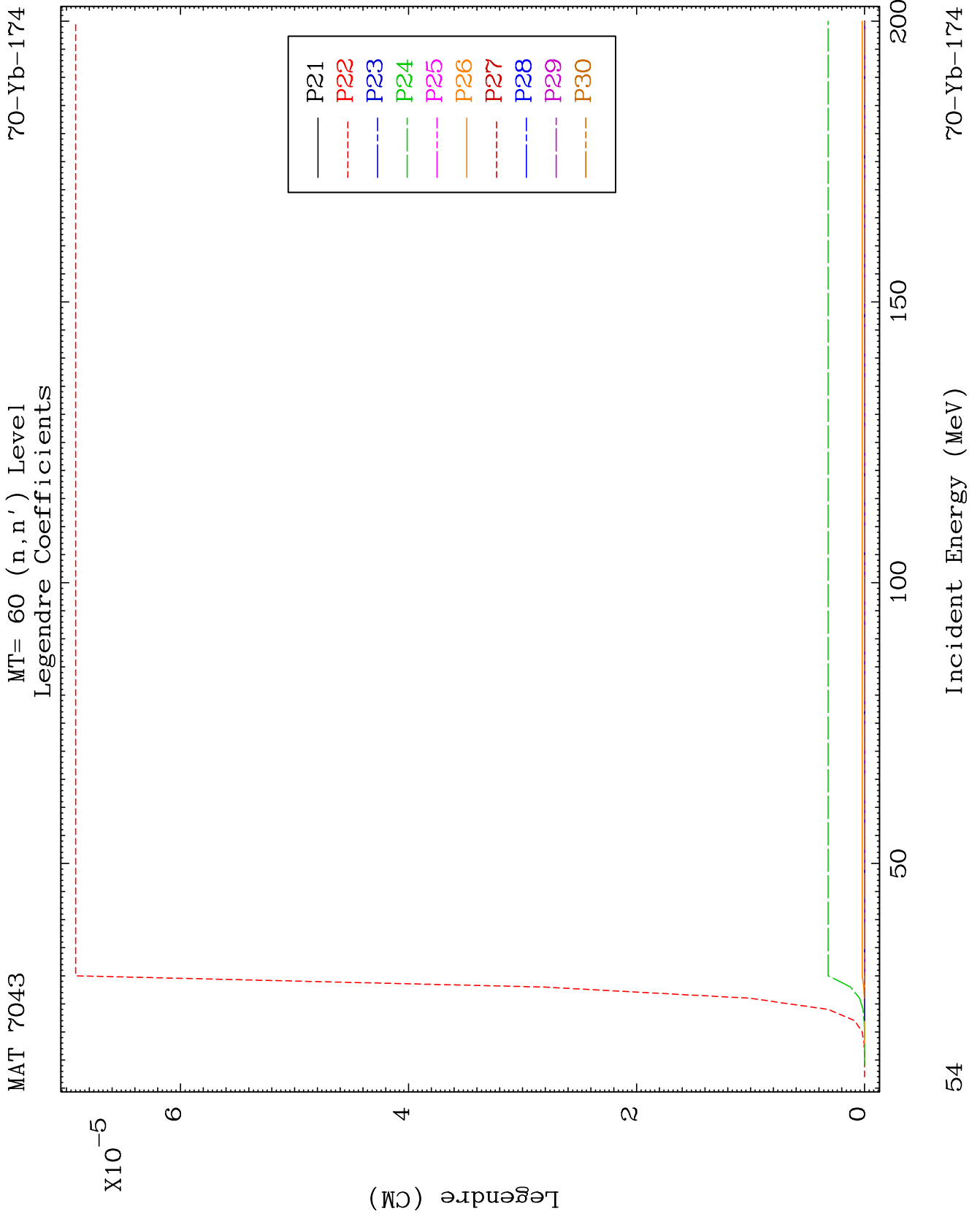
70-Yb-174



53

Incident Energy (MeV)

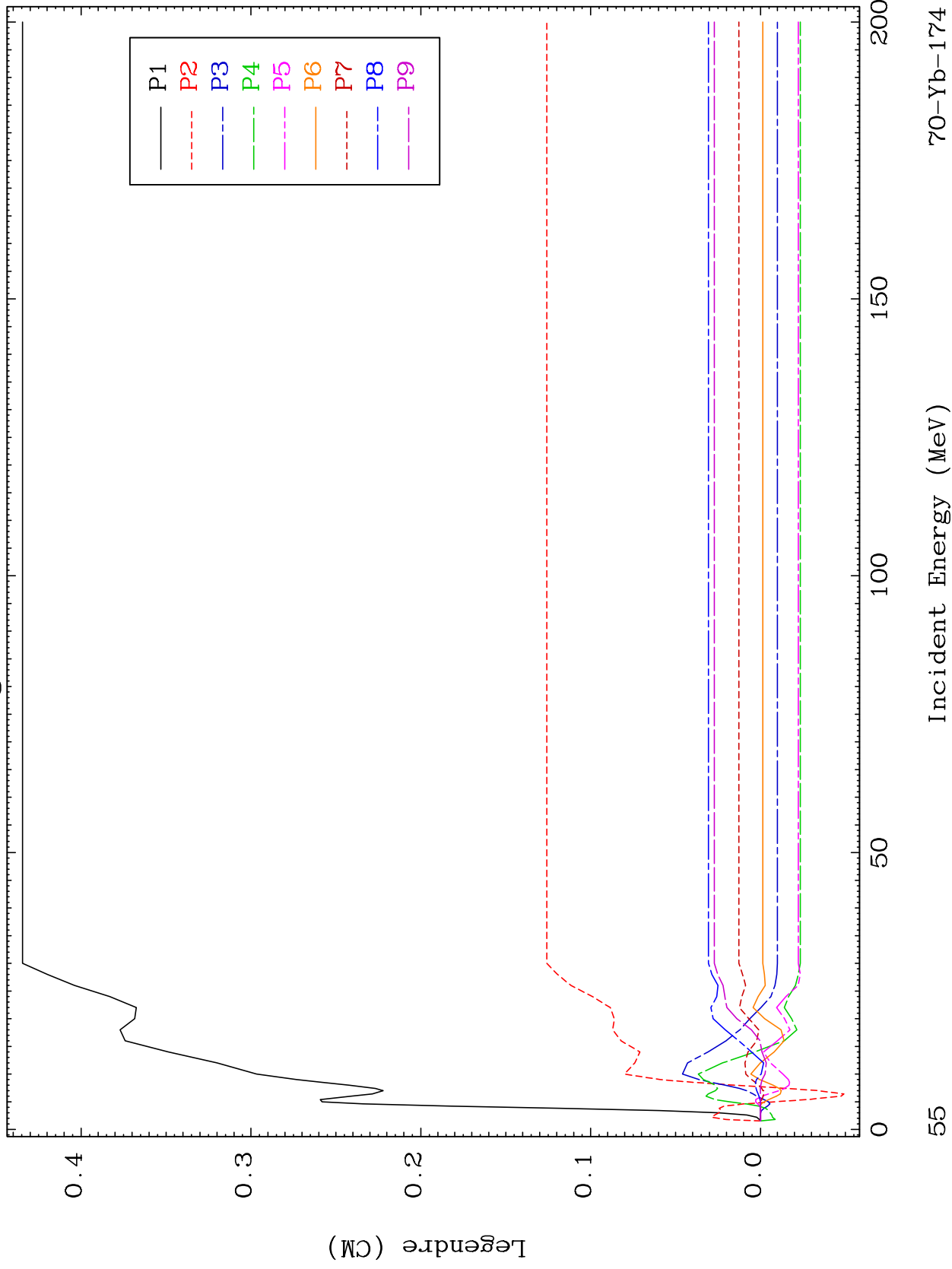
70-Yb-174



MAT 7043

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

70-Yb-174



70-Yb-174

Incident Energy (MeV)

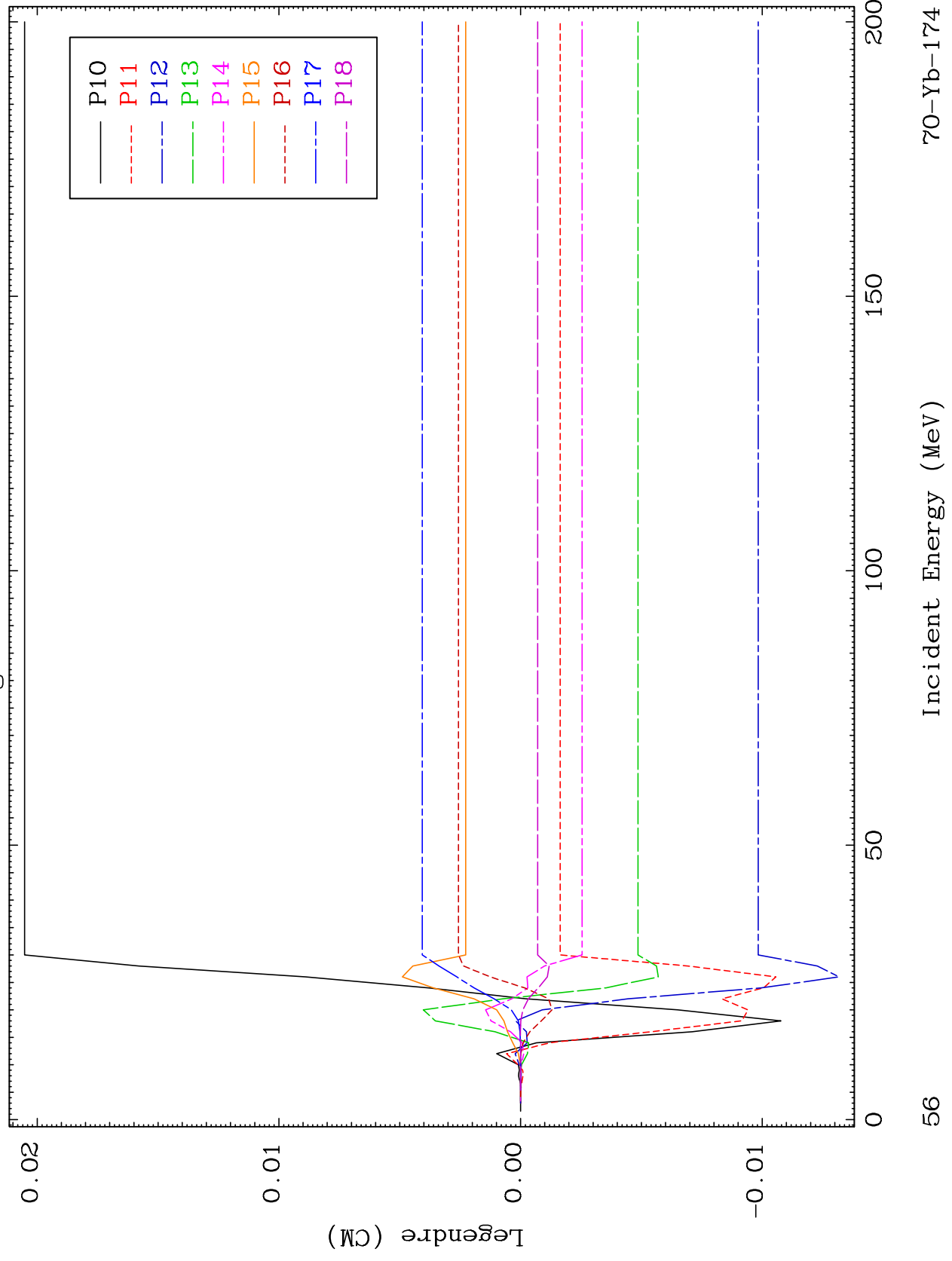
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MAT 7043

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

70-Yb-174



70-Yb-174

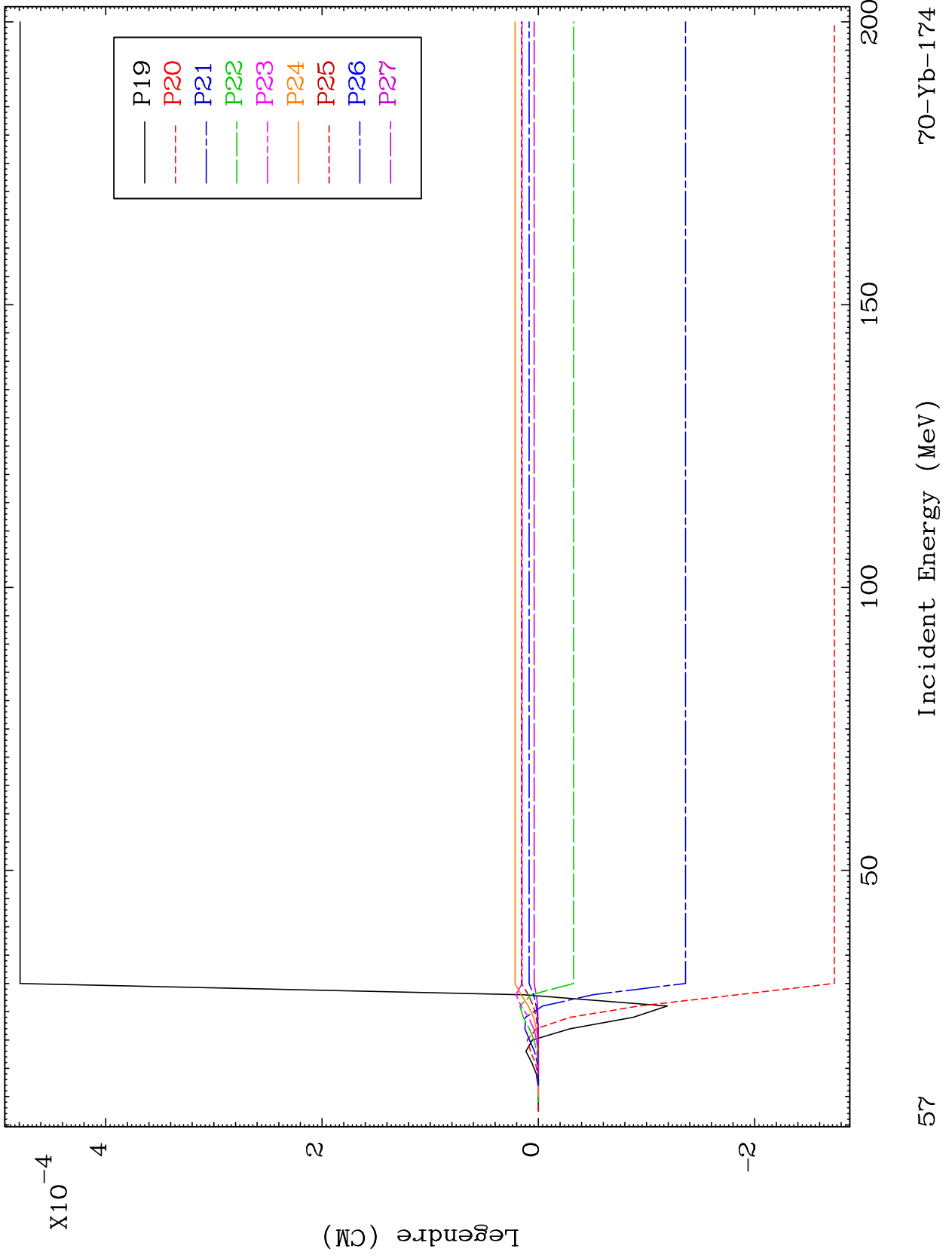
Incident Energy (MeV)

56

MAT 7043

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

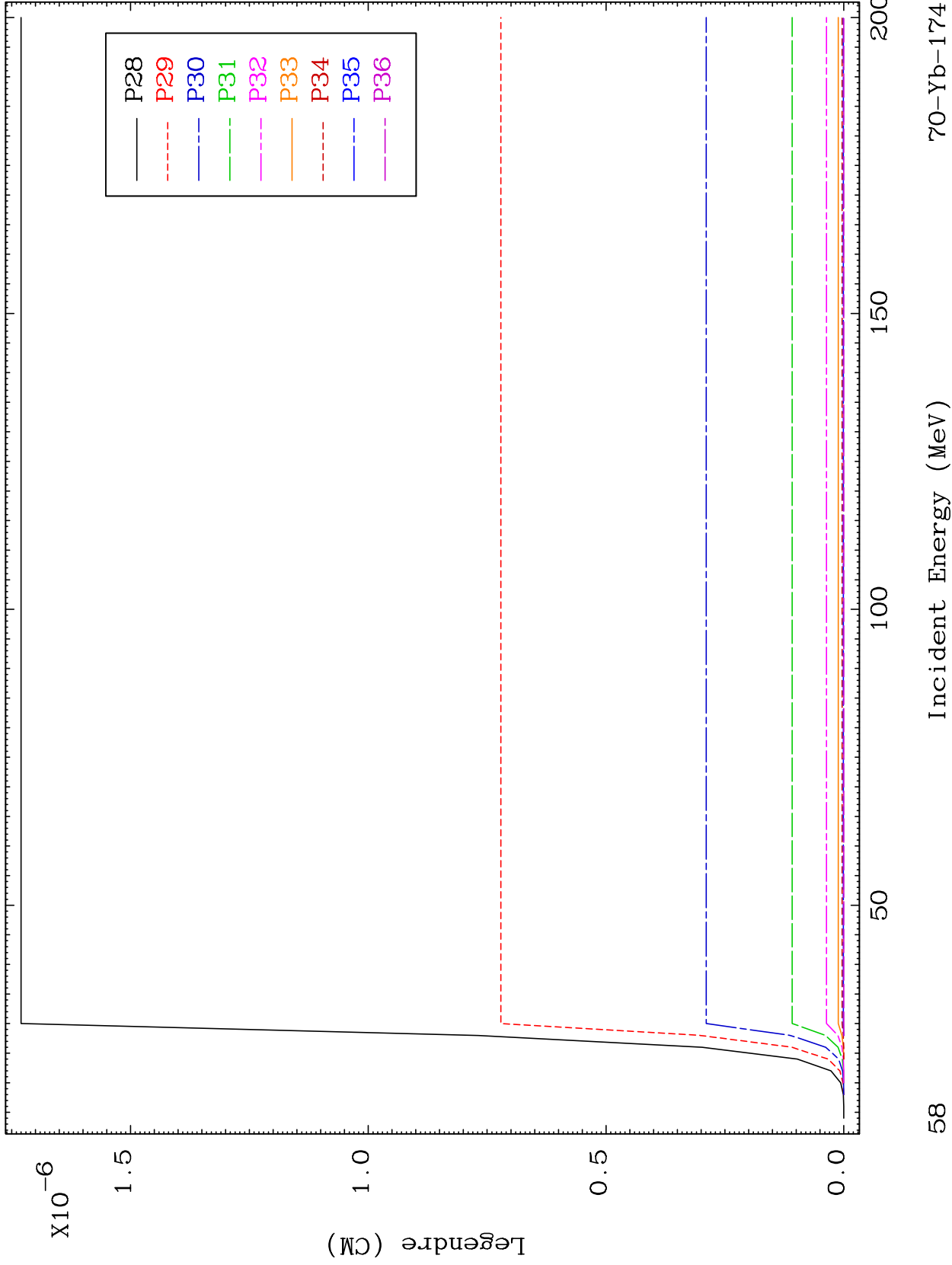
70-Yb-174



MAT 7043

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

70-Yb-174



58

Incident Energy (MeV)

70-Yb-174

200

150

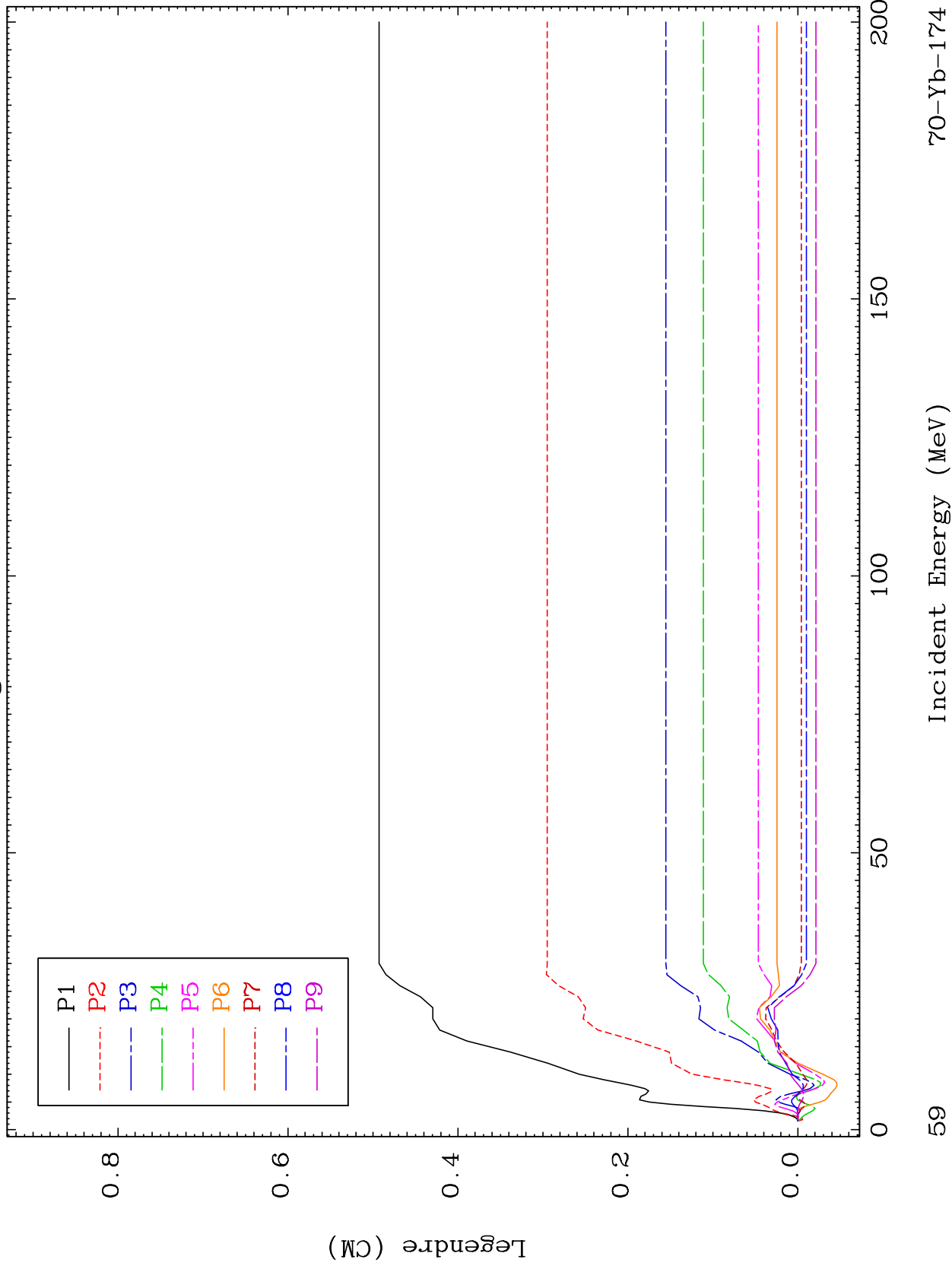
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MAT 7043

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

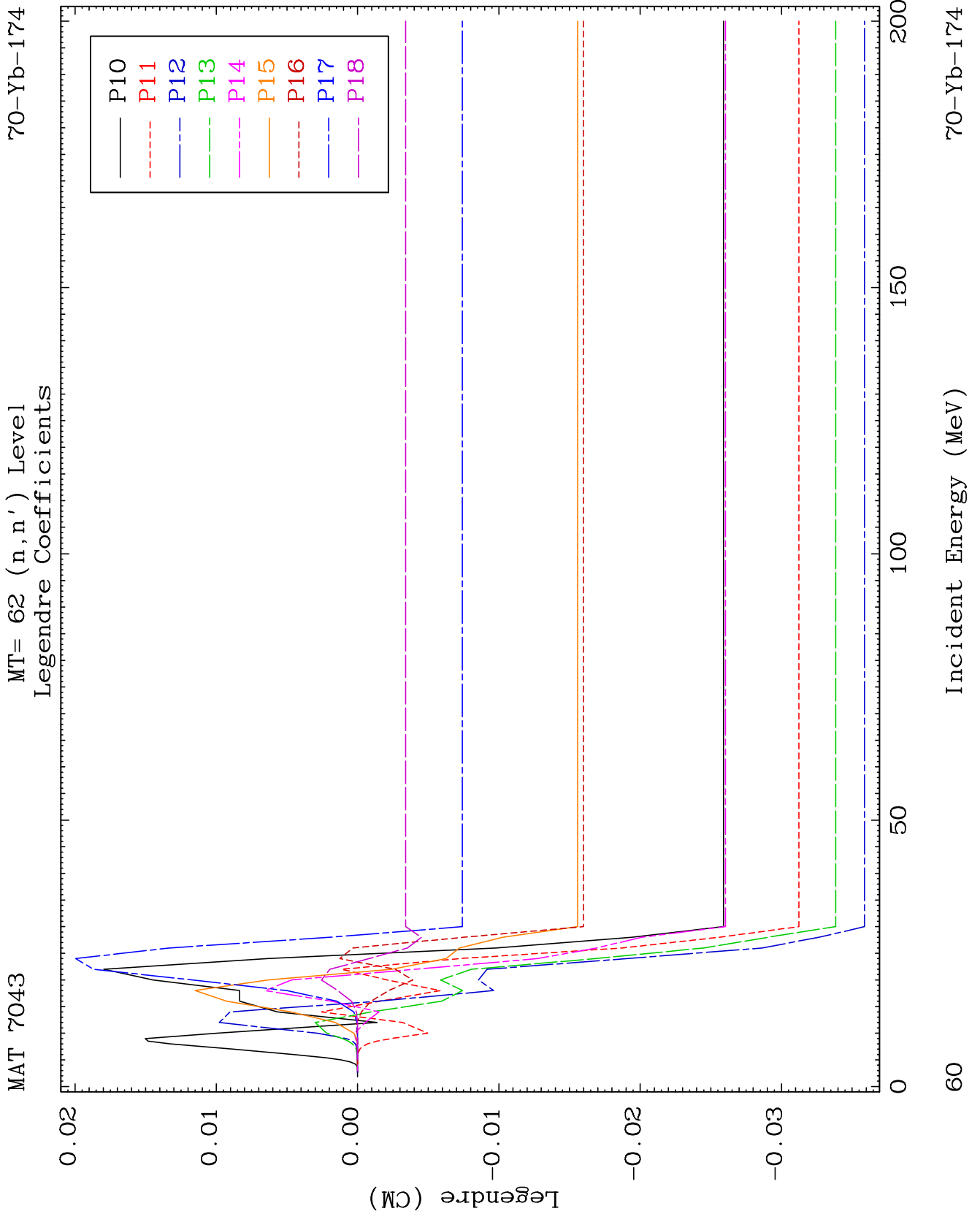
70-Yb-174



70-Yb-174

Incident Energy (MeV)

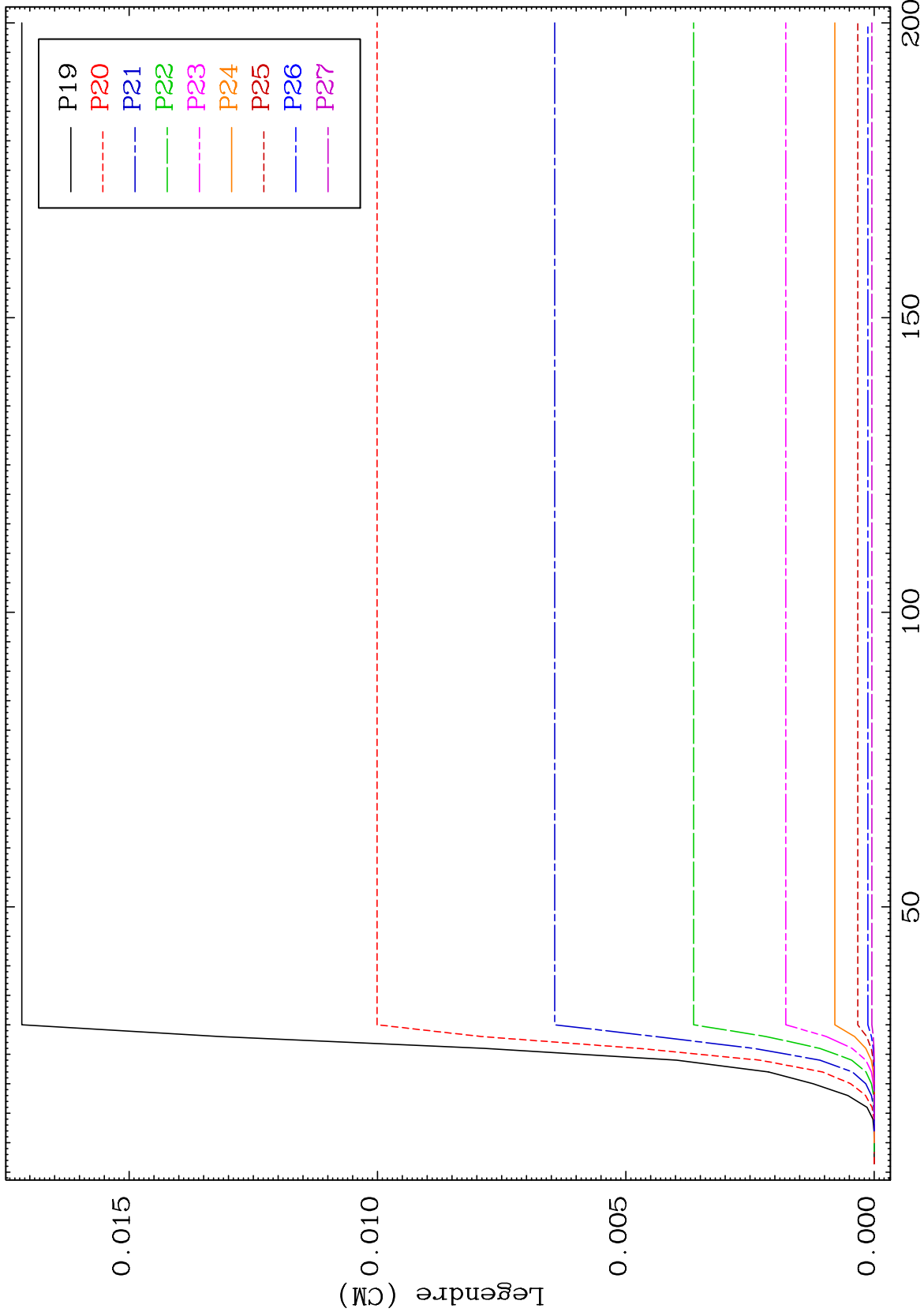
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MAT 7043

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

70-Yb-174



61

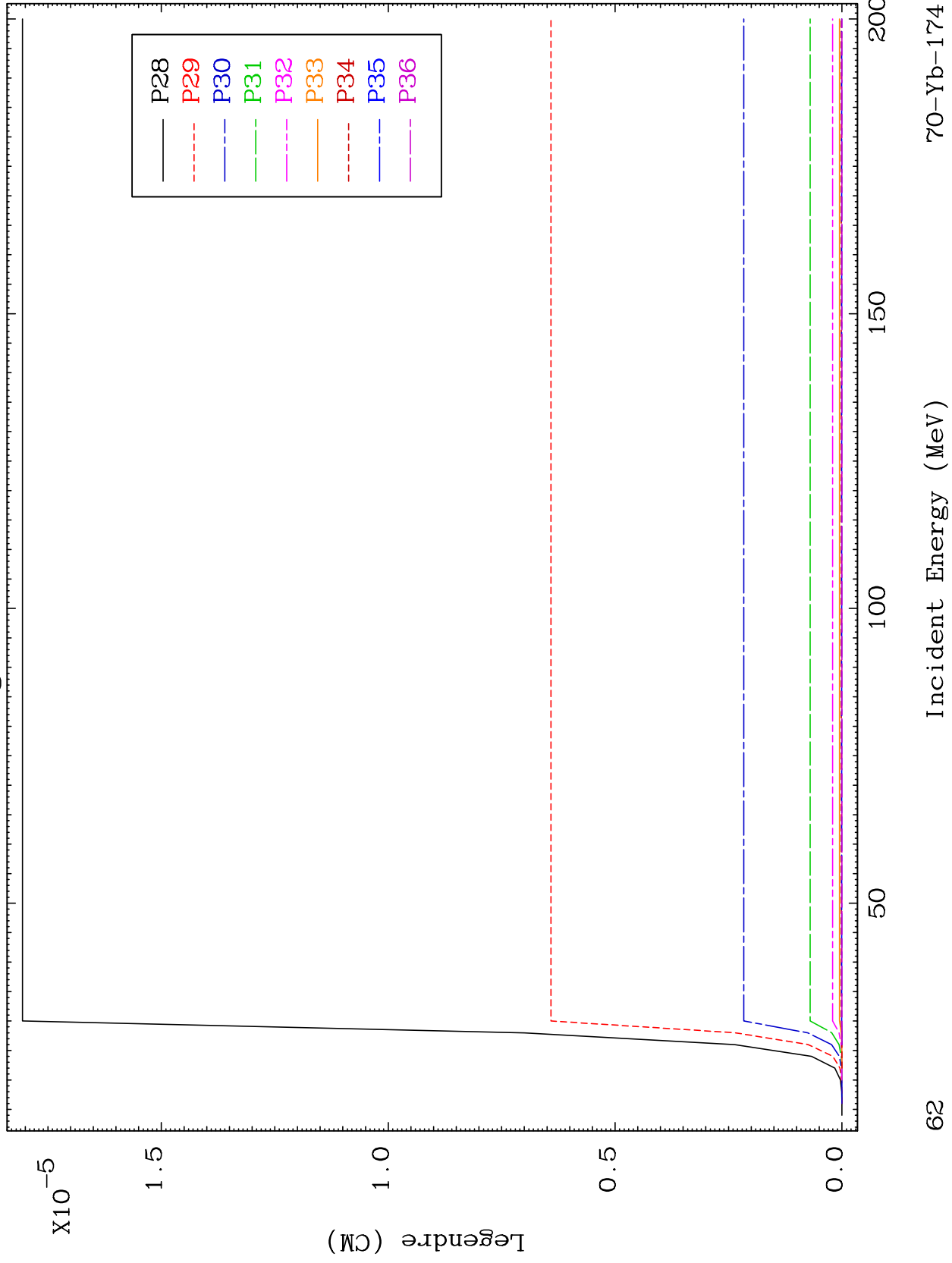
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



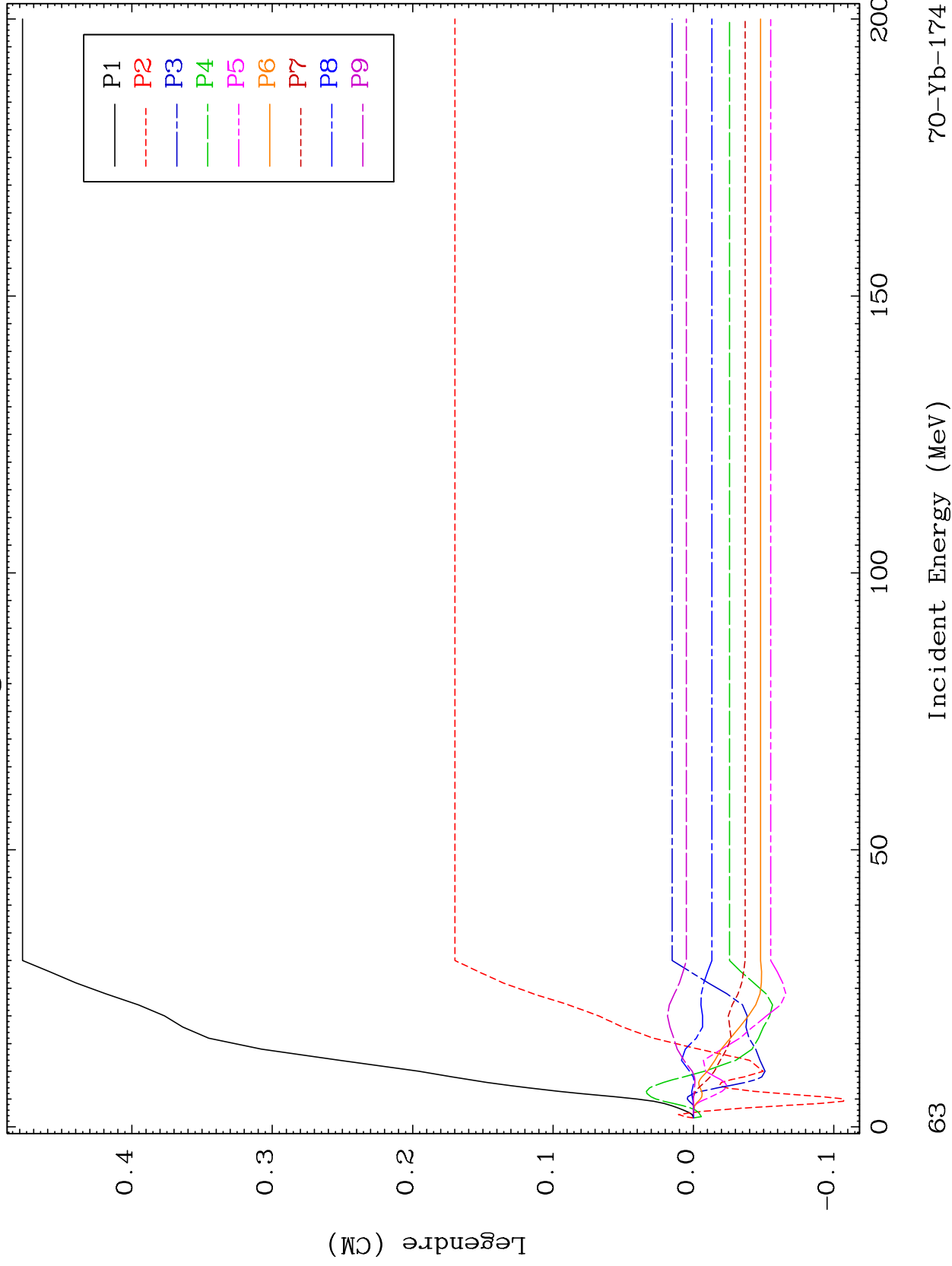
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70-Yb-174

MAT 7043

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

70-Yb-174



70-Yb-174

Incident Energy (MeV)

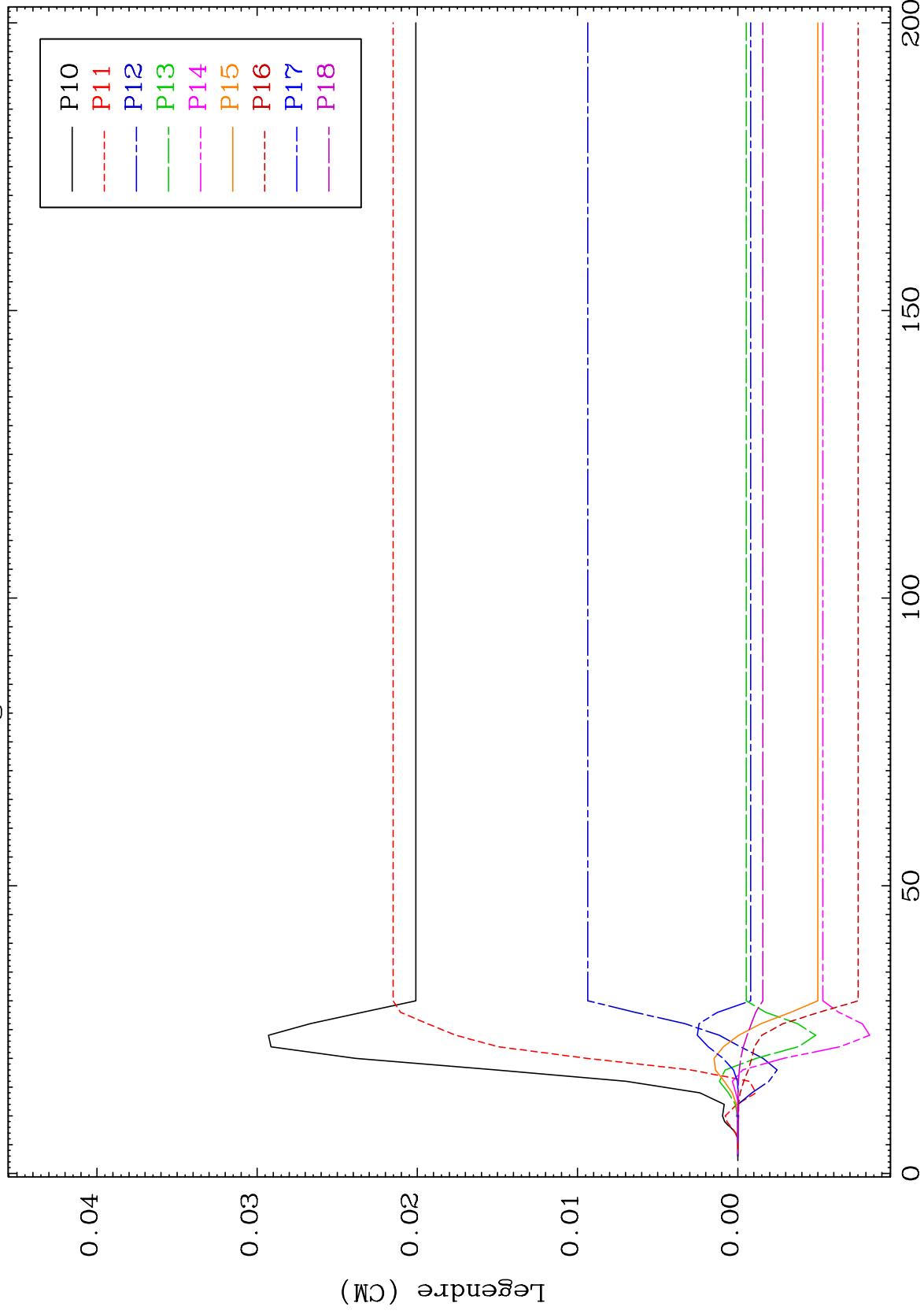
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MAT 7043

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

70-Yb-174



64

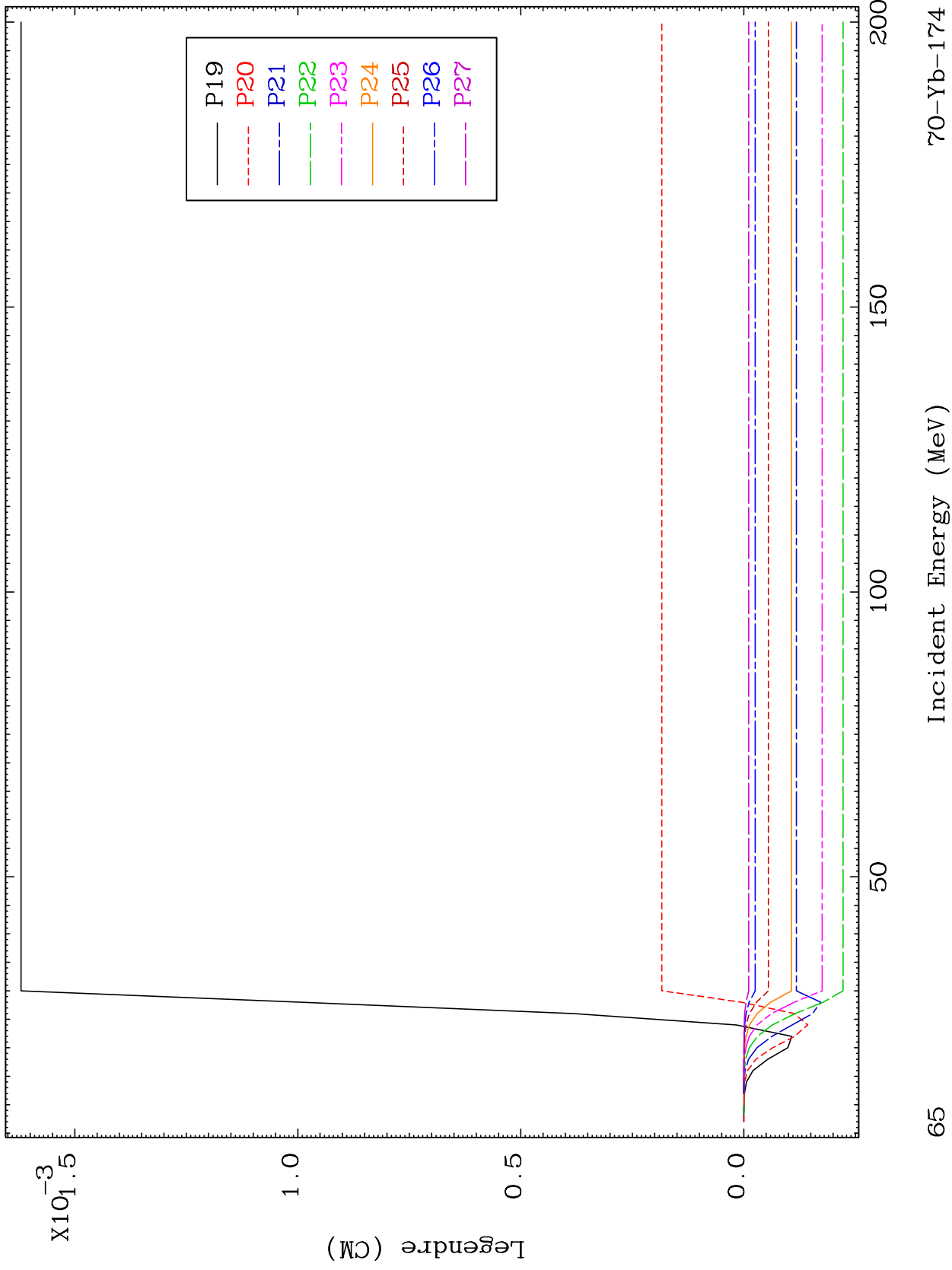
Incident Energy (MeV)

70-Yb-174

MAT 7043

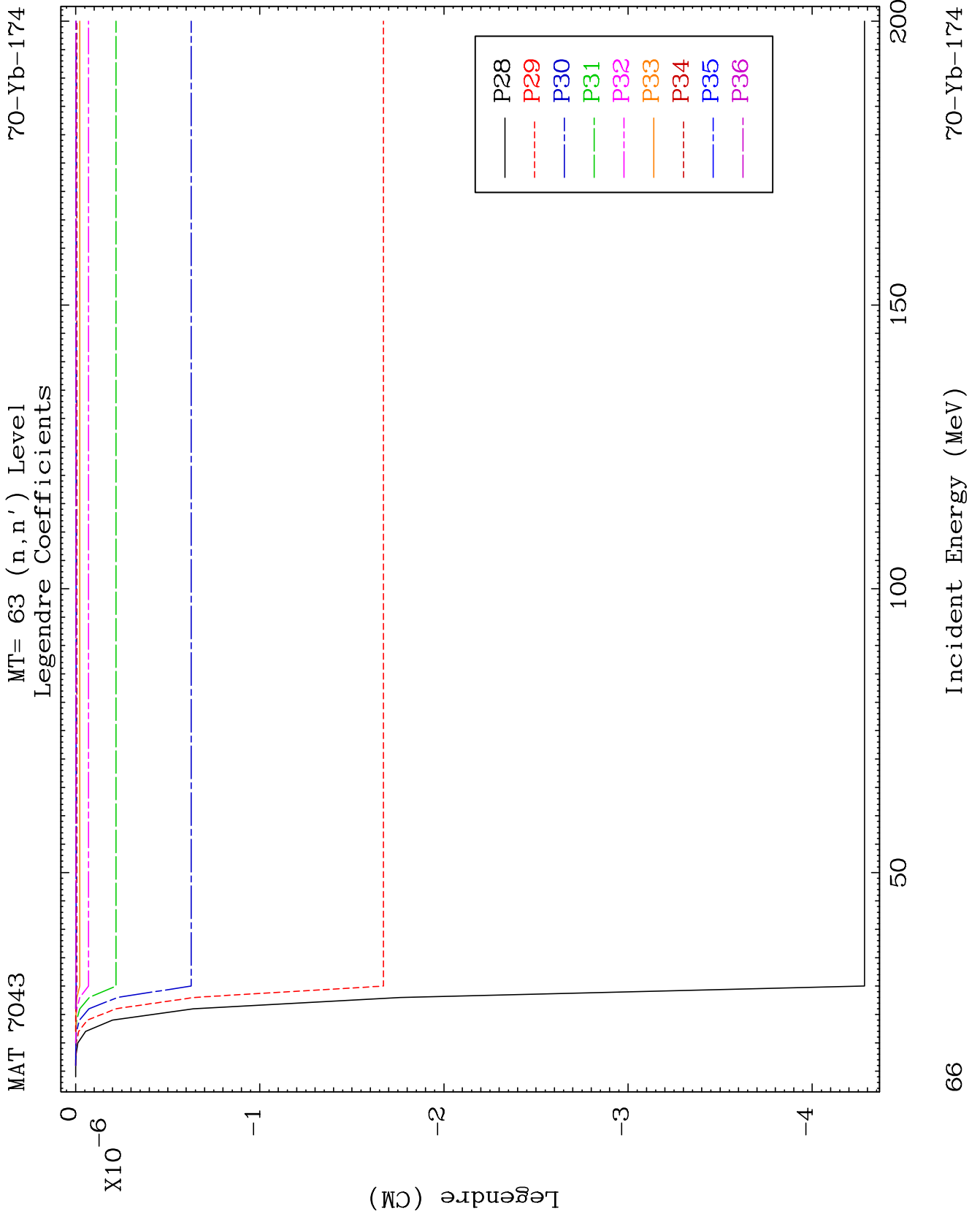
MT= 63 (n,n') Level  
Legendre Coefficients

70-Yb-174



65

70-Yb-174



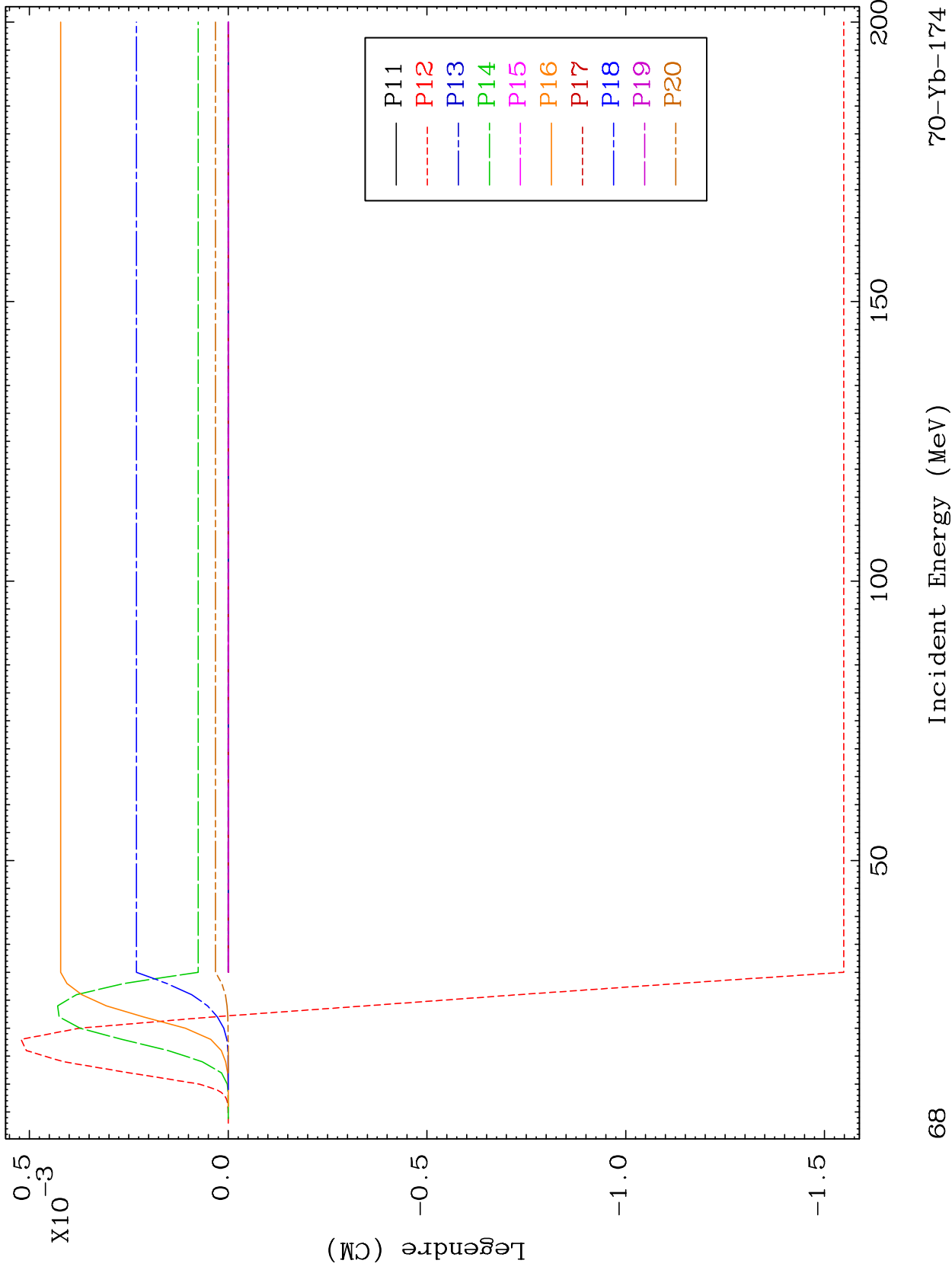


MAT 7043

MT= 64 (n,n') Level

70-Yb-174

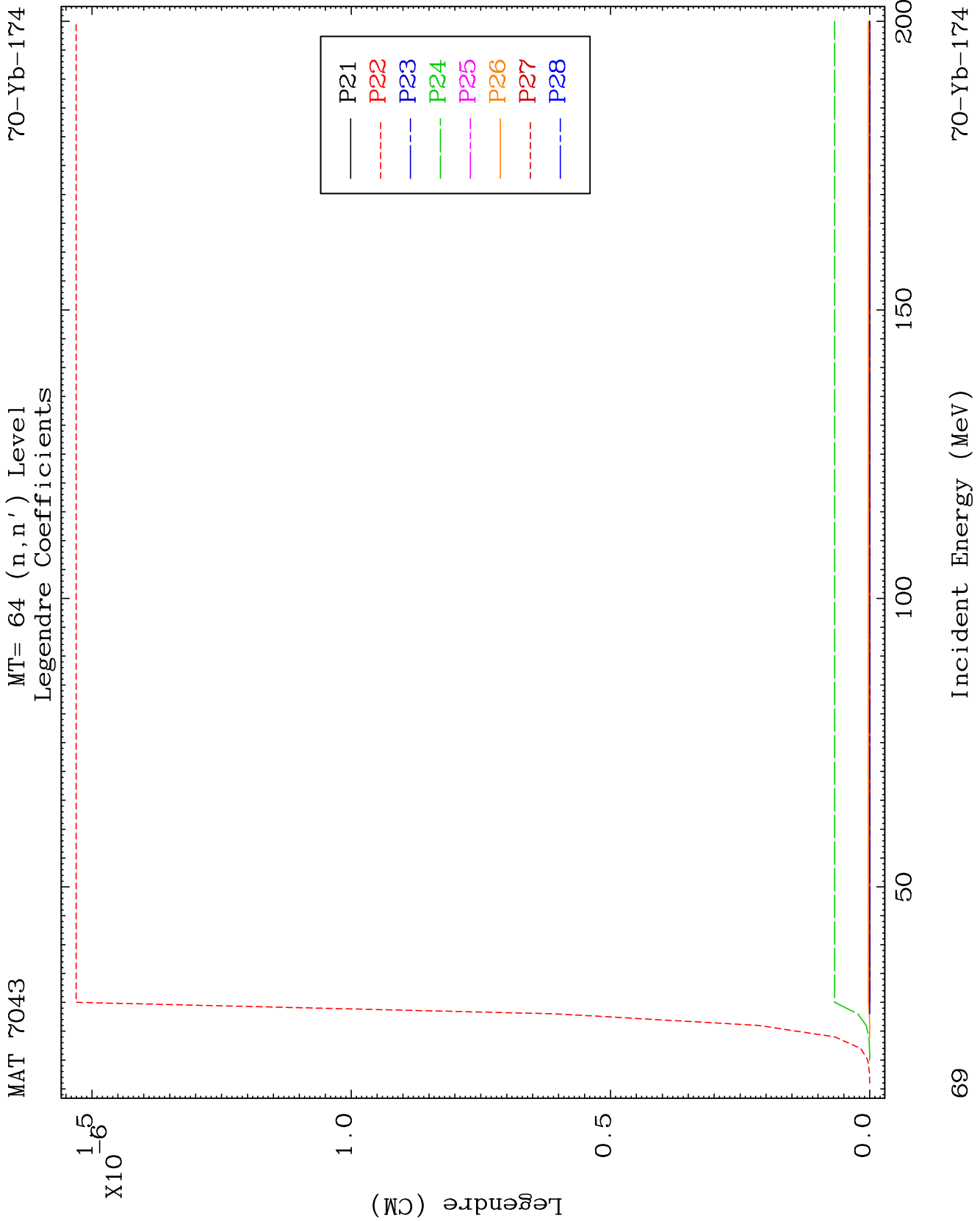
Legendre Coefficients

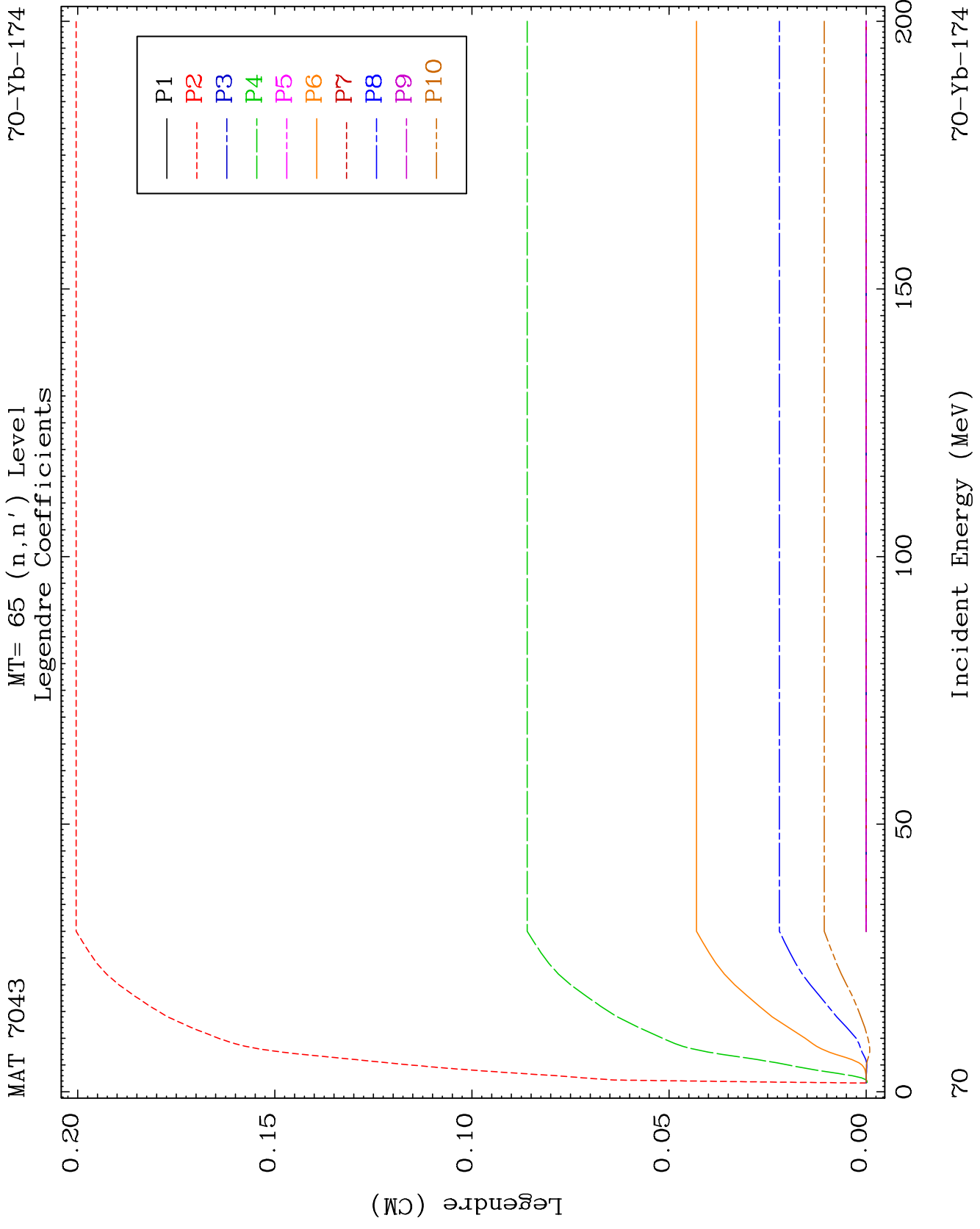


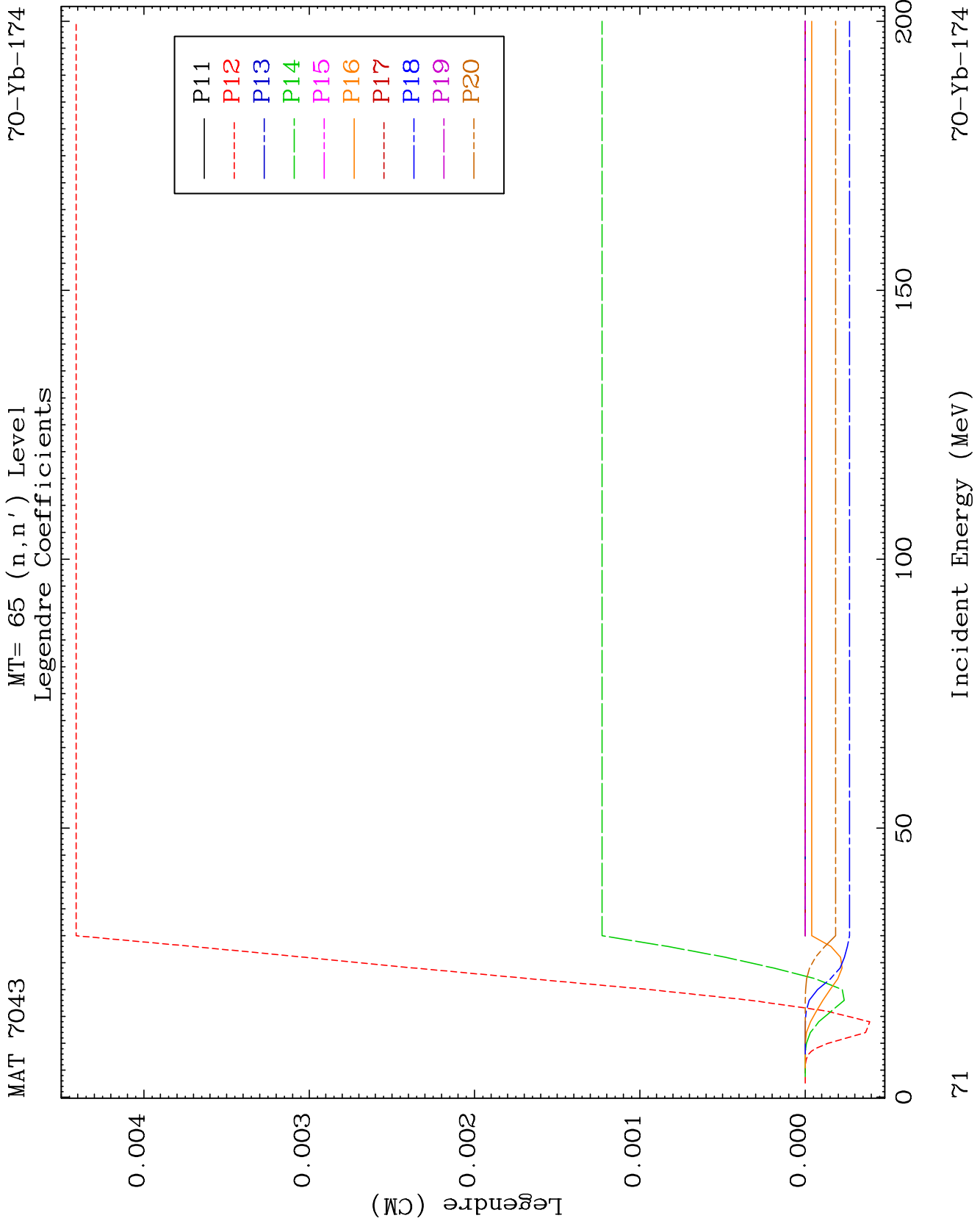
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Incident Energy (MeV)

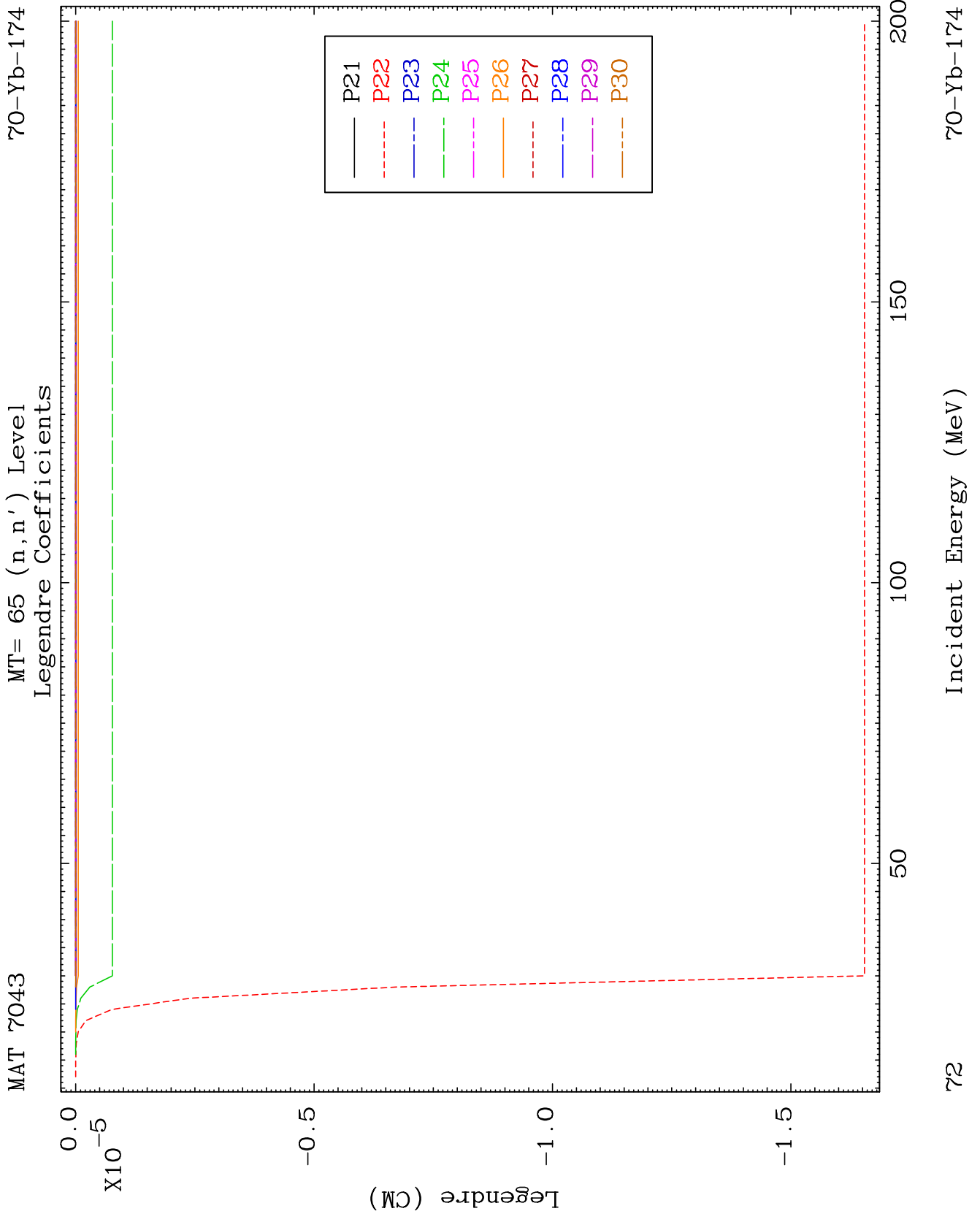
70-Yb-174







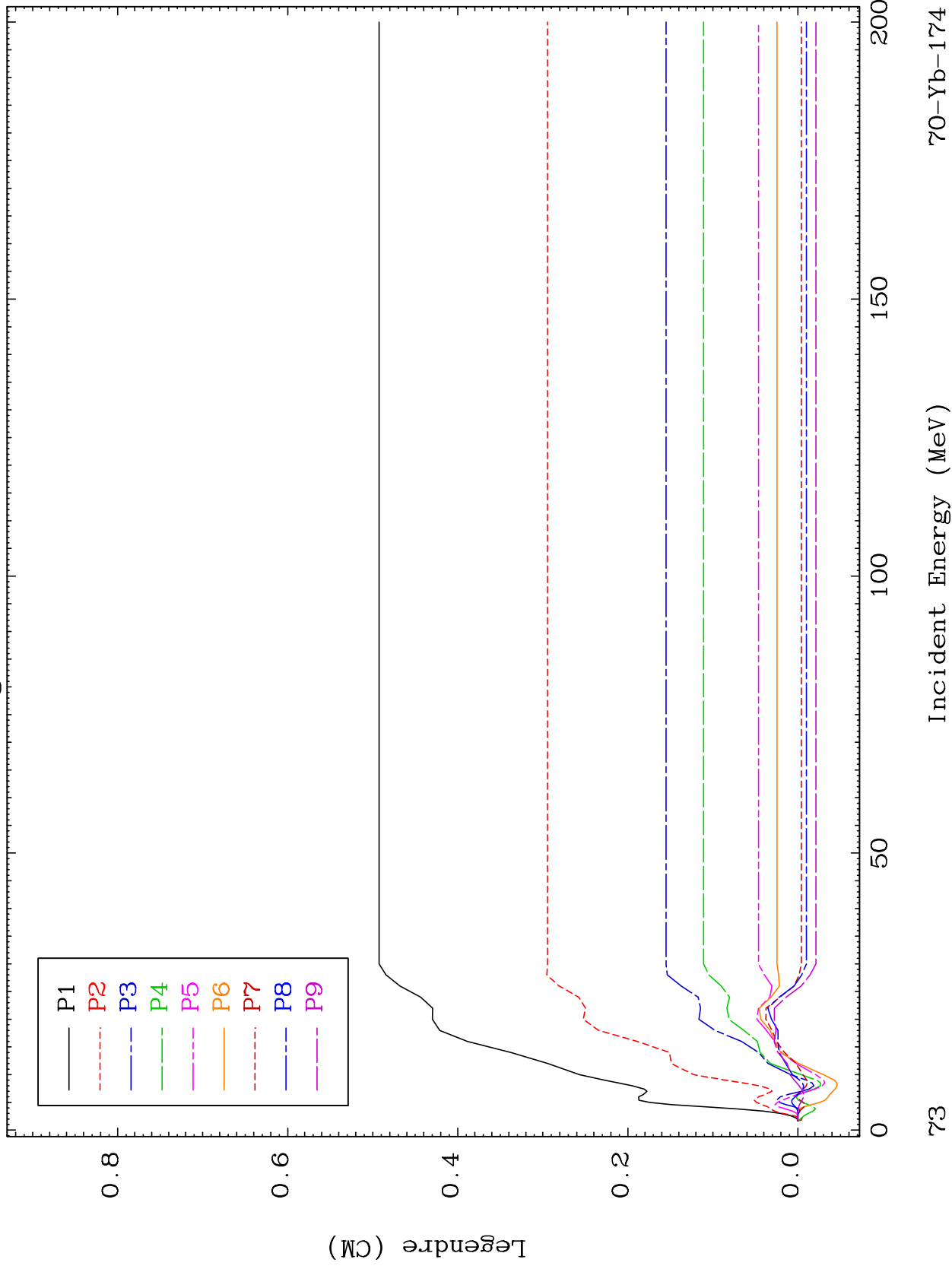




MAT 7043

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

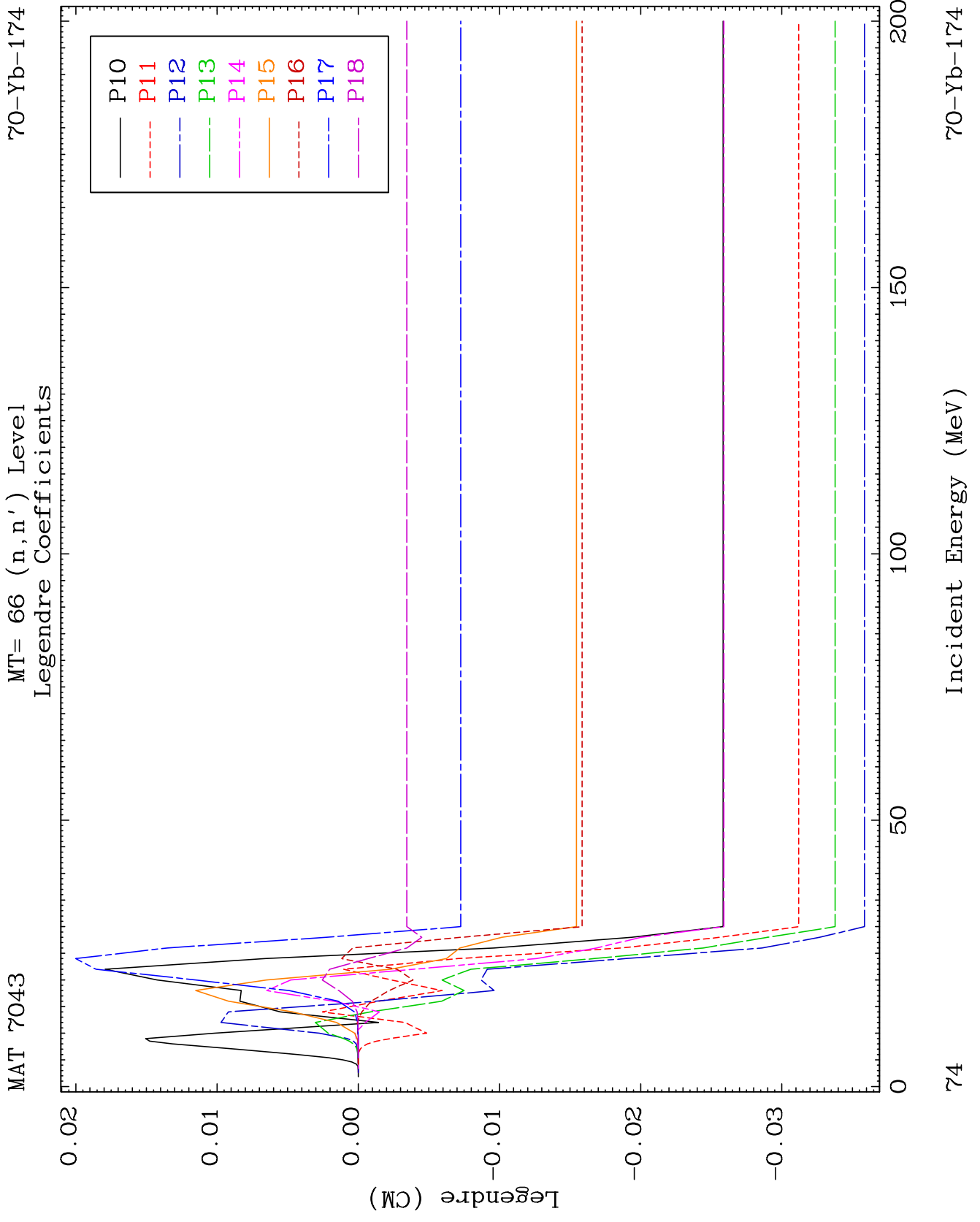
70-Yb-174



70-Yb-174

Incident Energy (MeV)

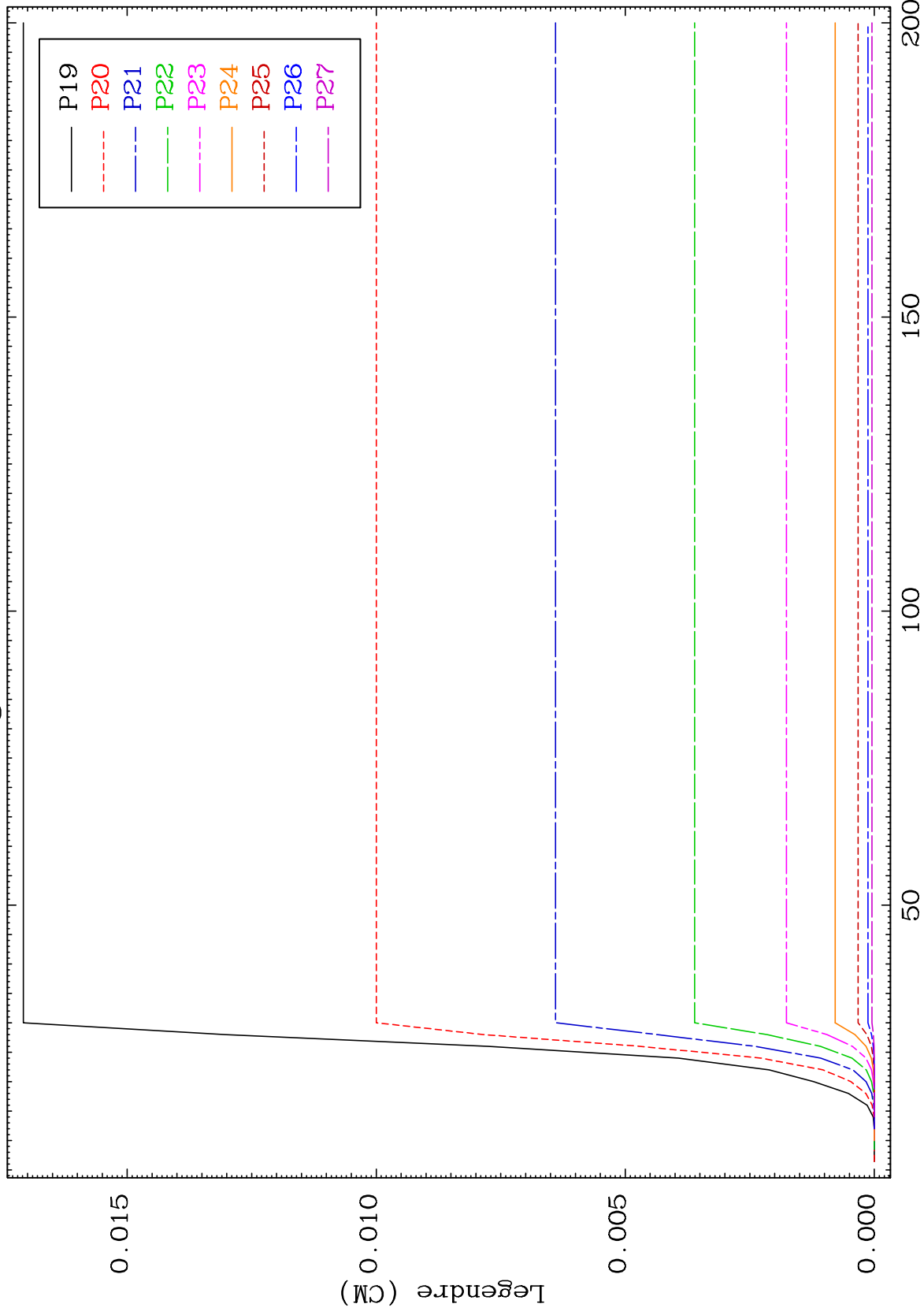
73



MAT 7043

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

70-Yb-174



75

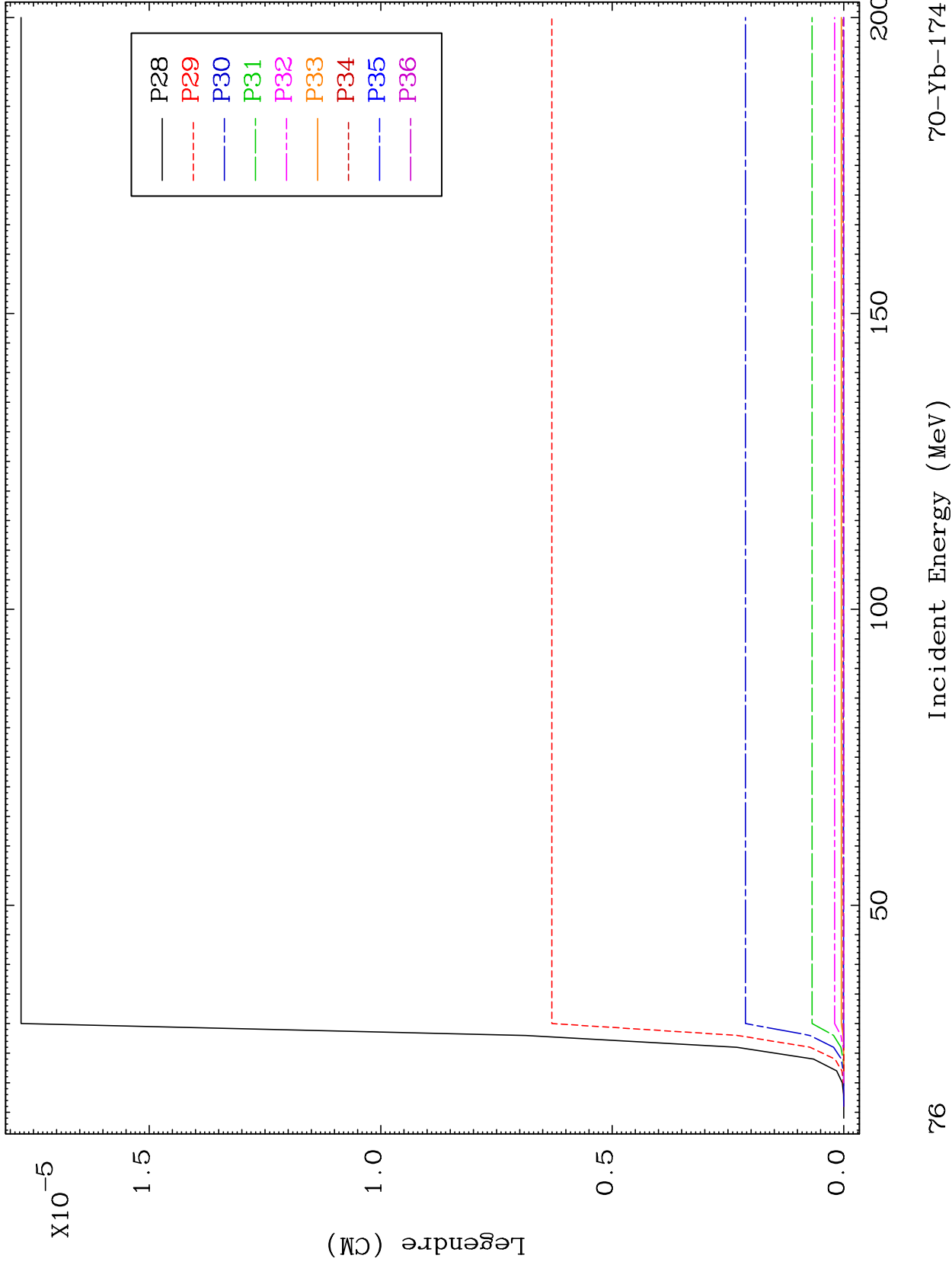
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

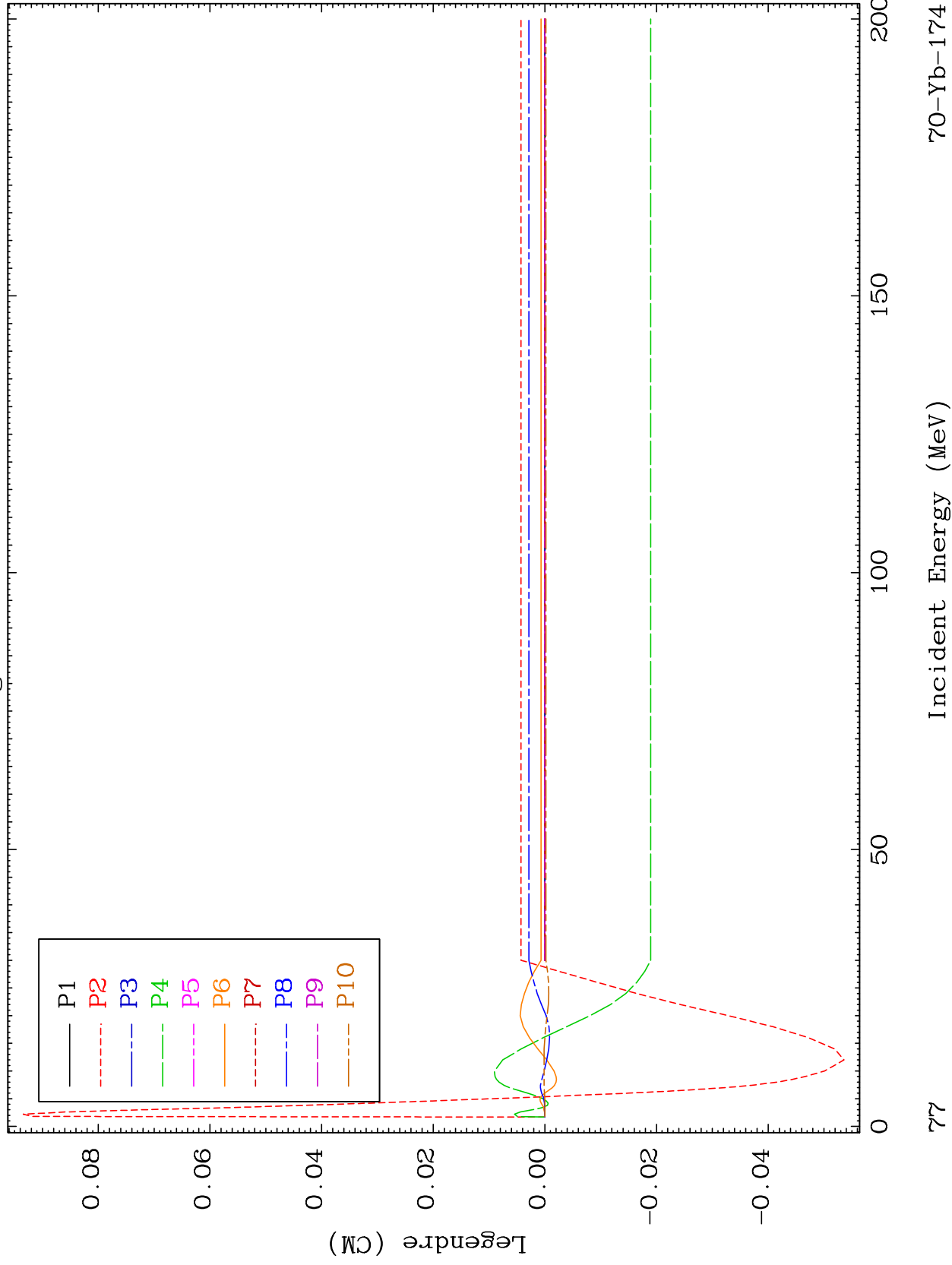
70-Yb-174



MAT 7043

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

70-Yb-174



77

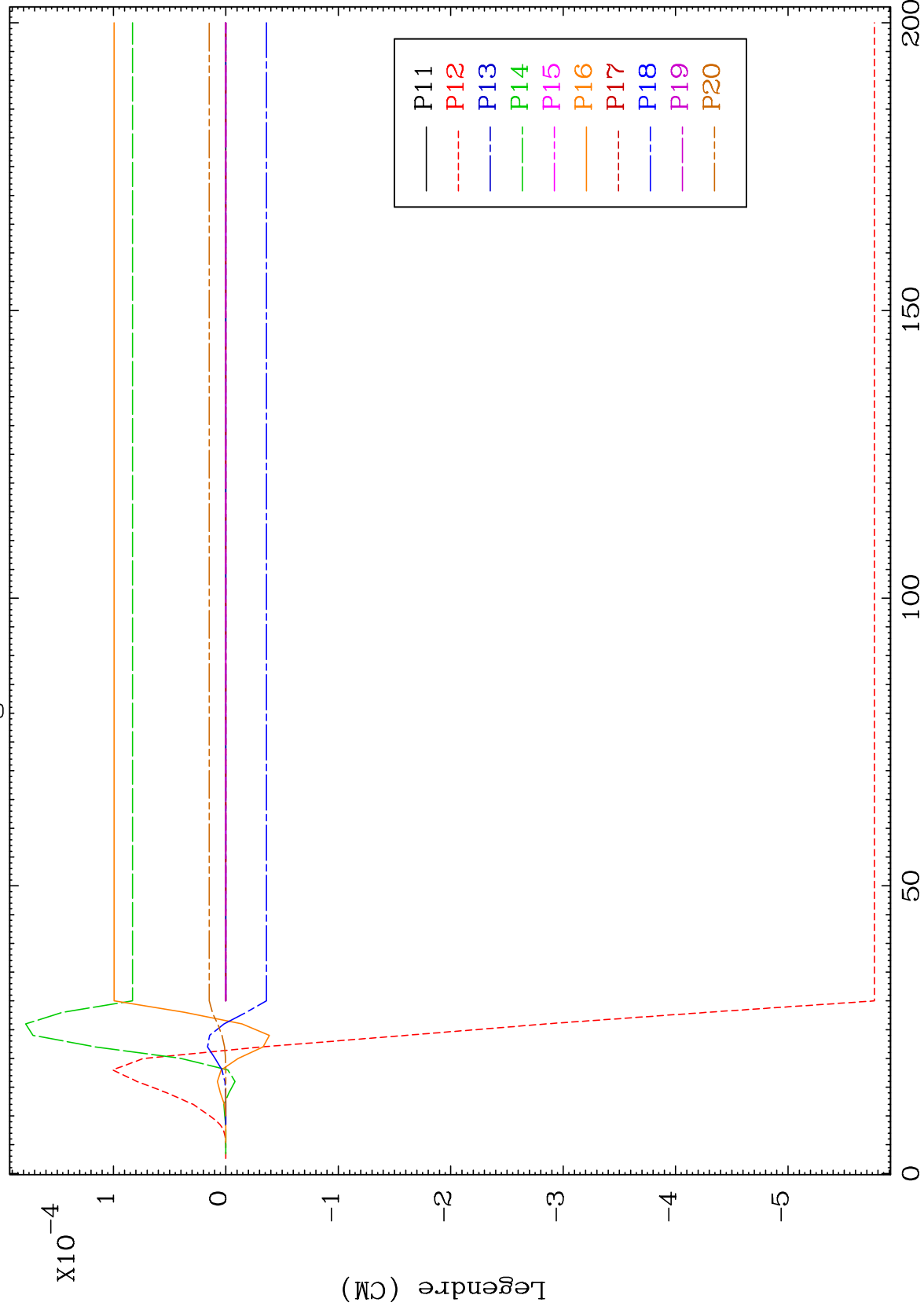
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



78

Incident Energy (MeV)

70-Yb-174

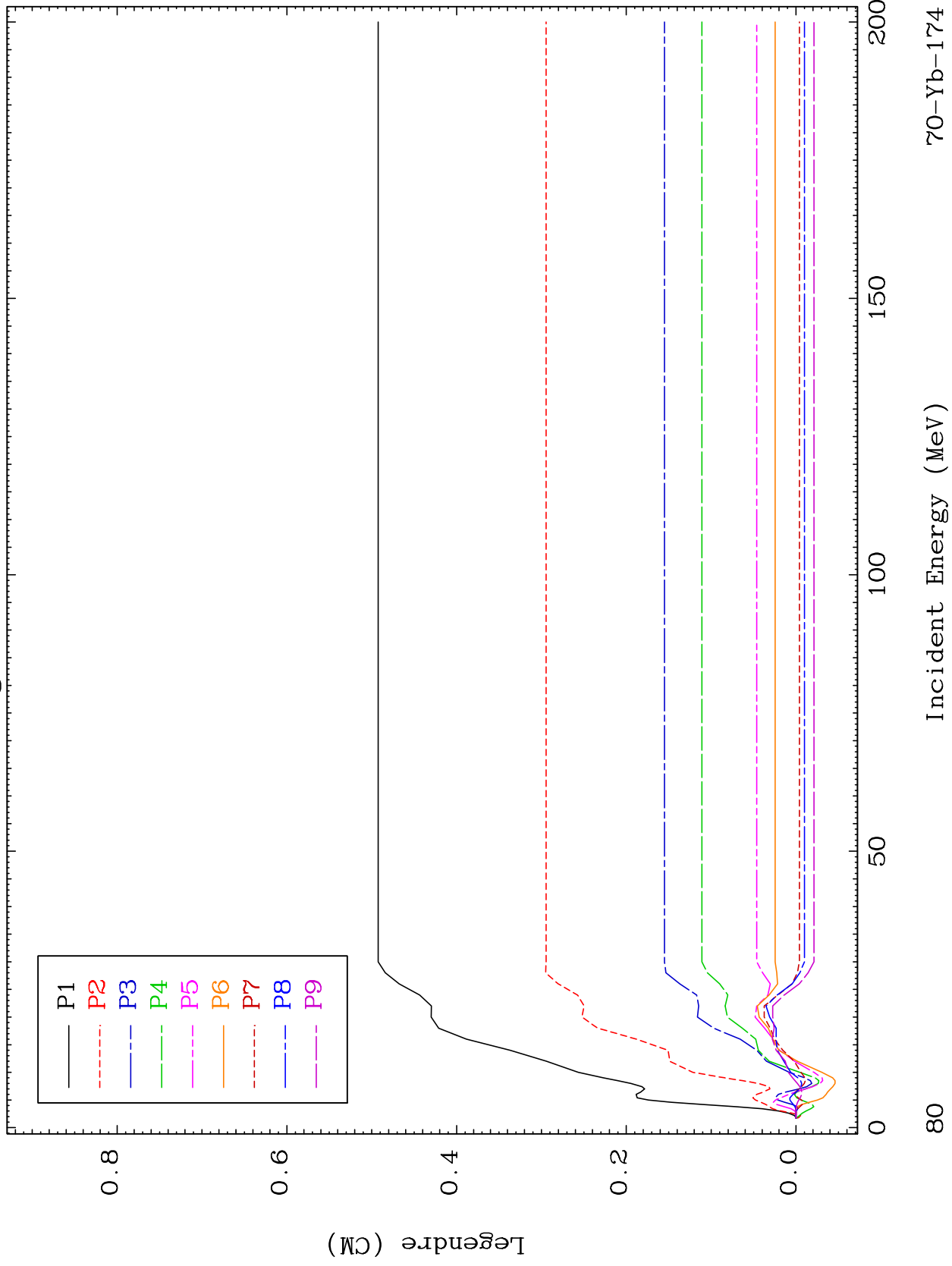


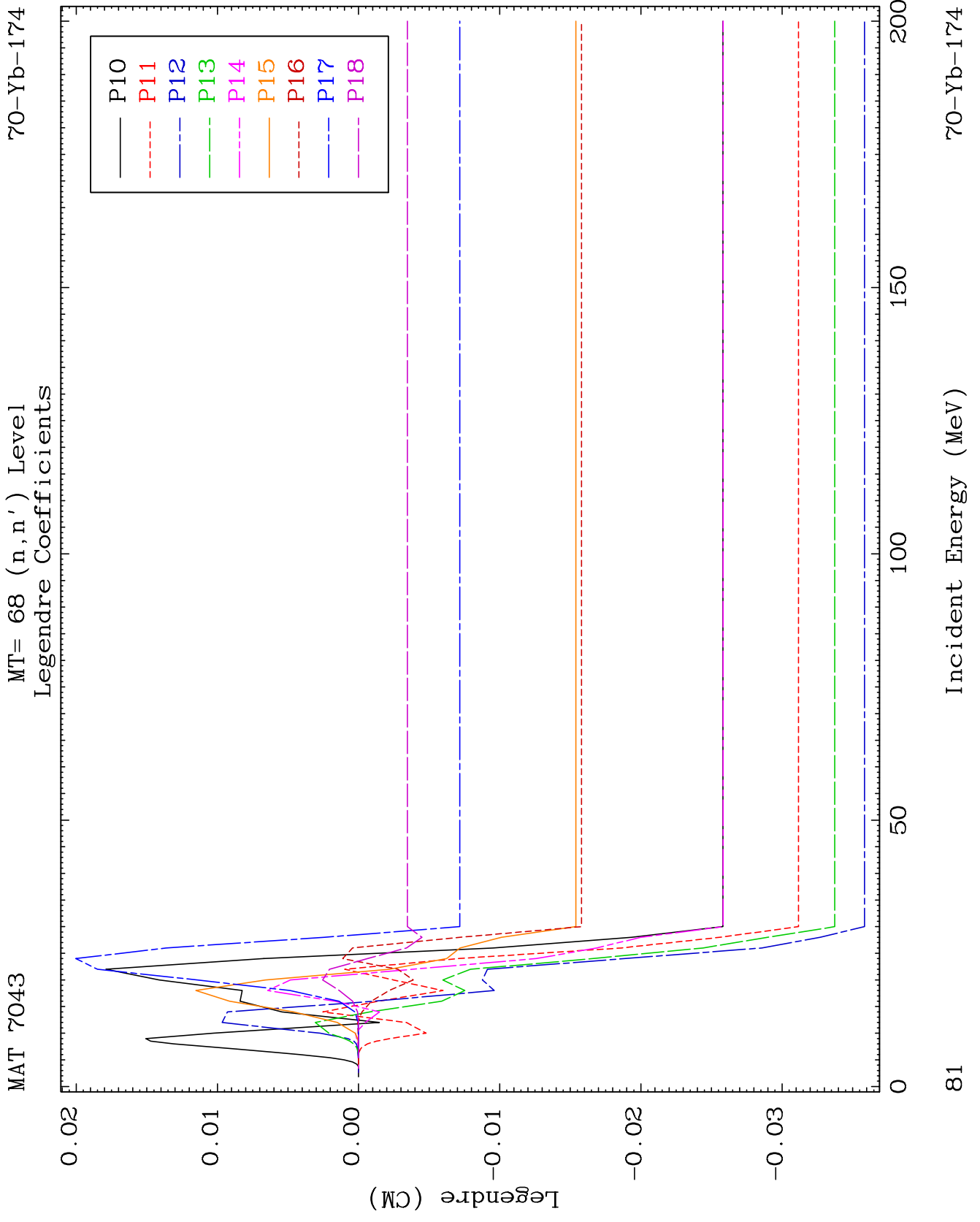


MAT 7043

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

70-Yb-174

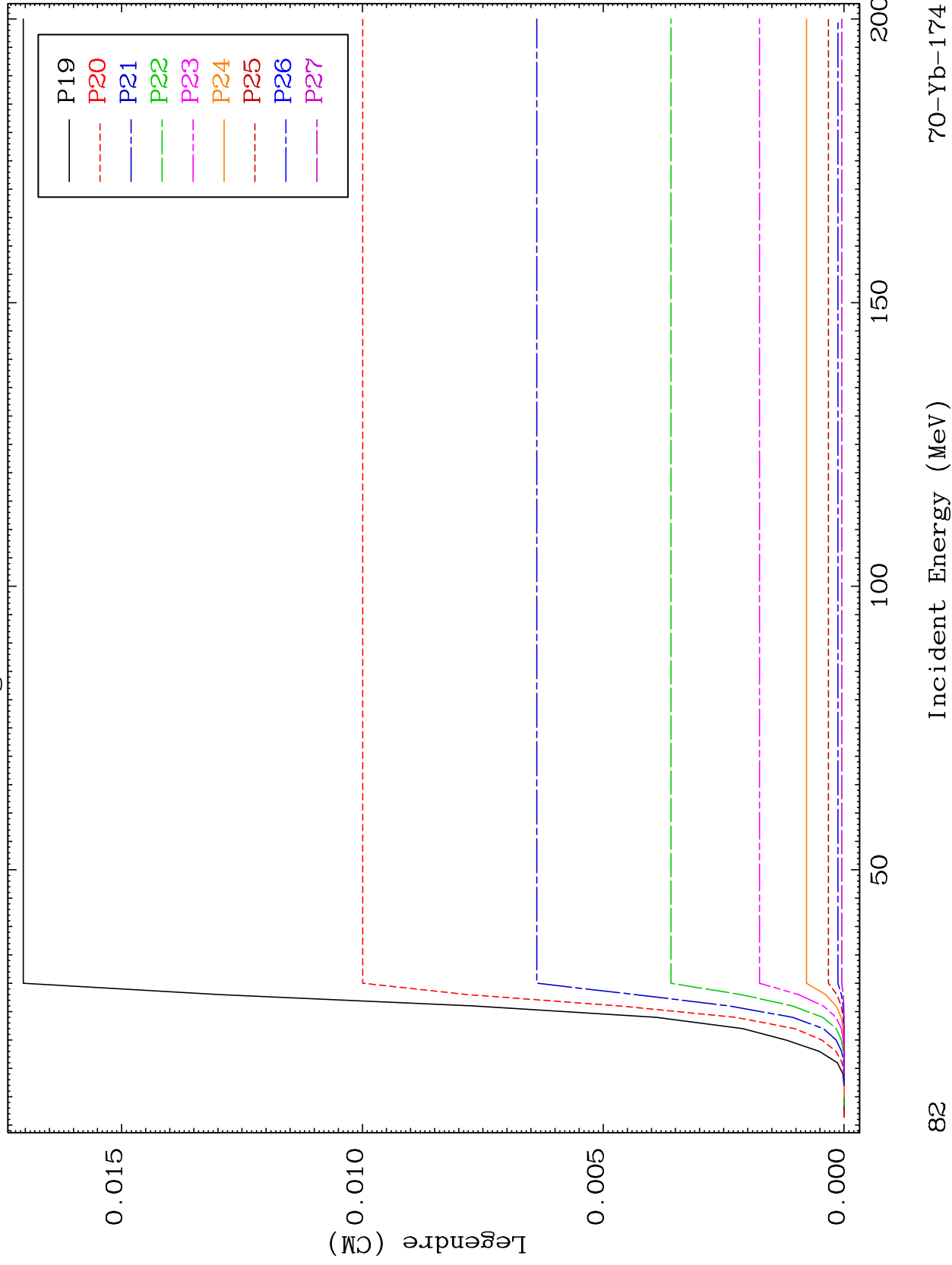




MAT 7043

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

70-Yb-174



82

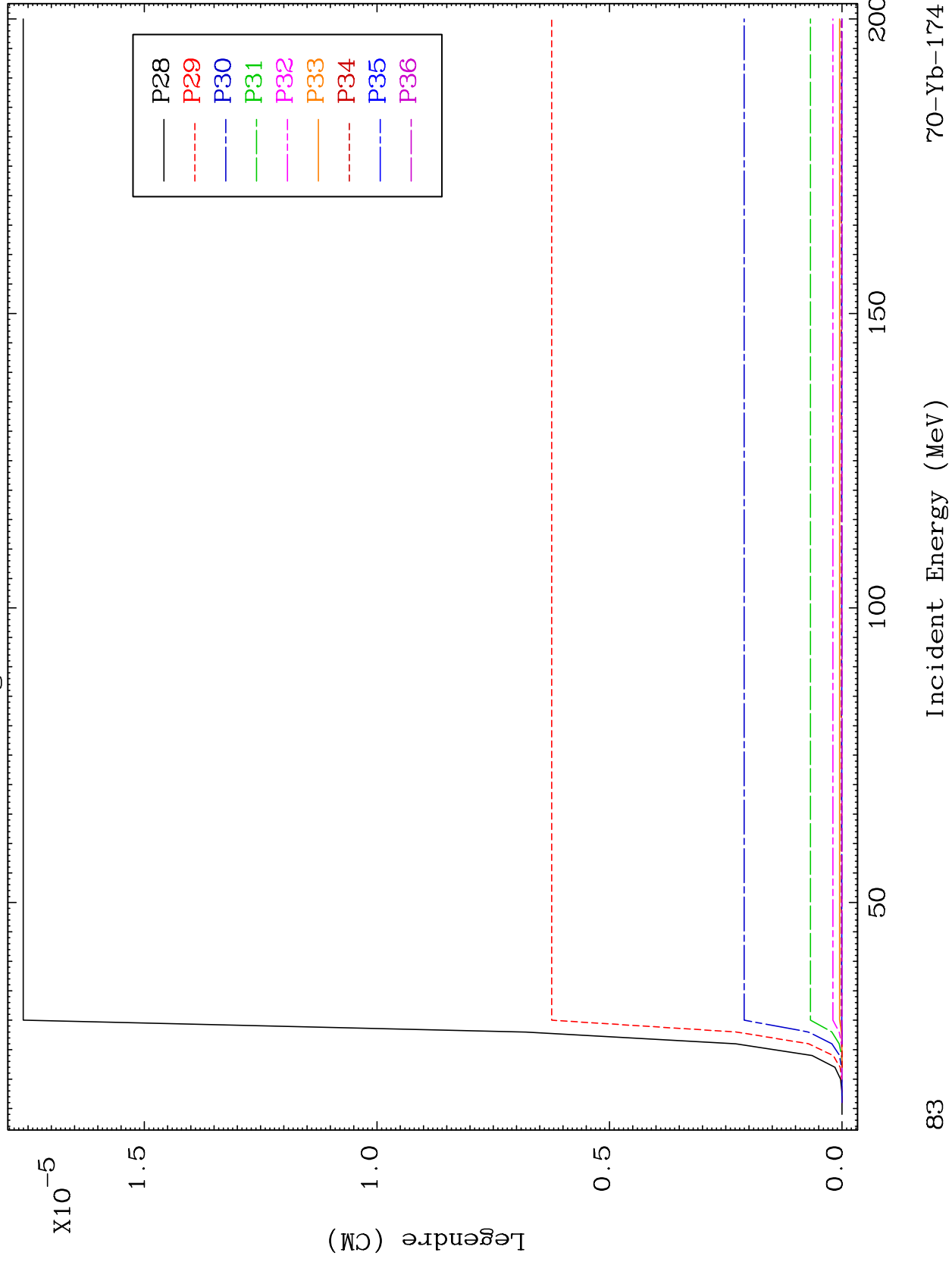
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

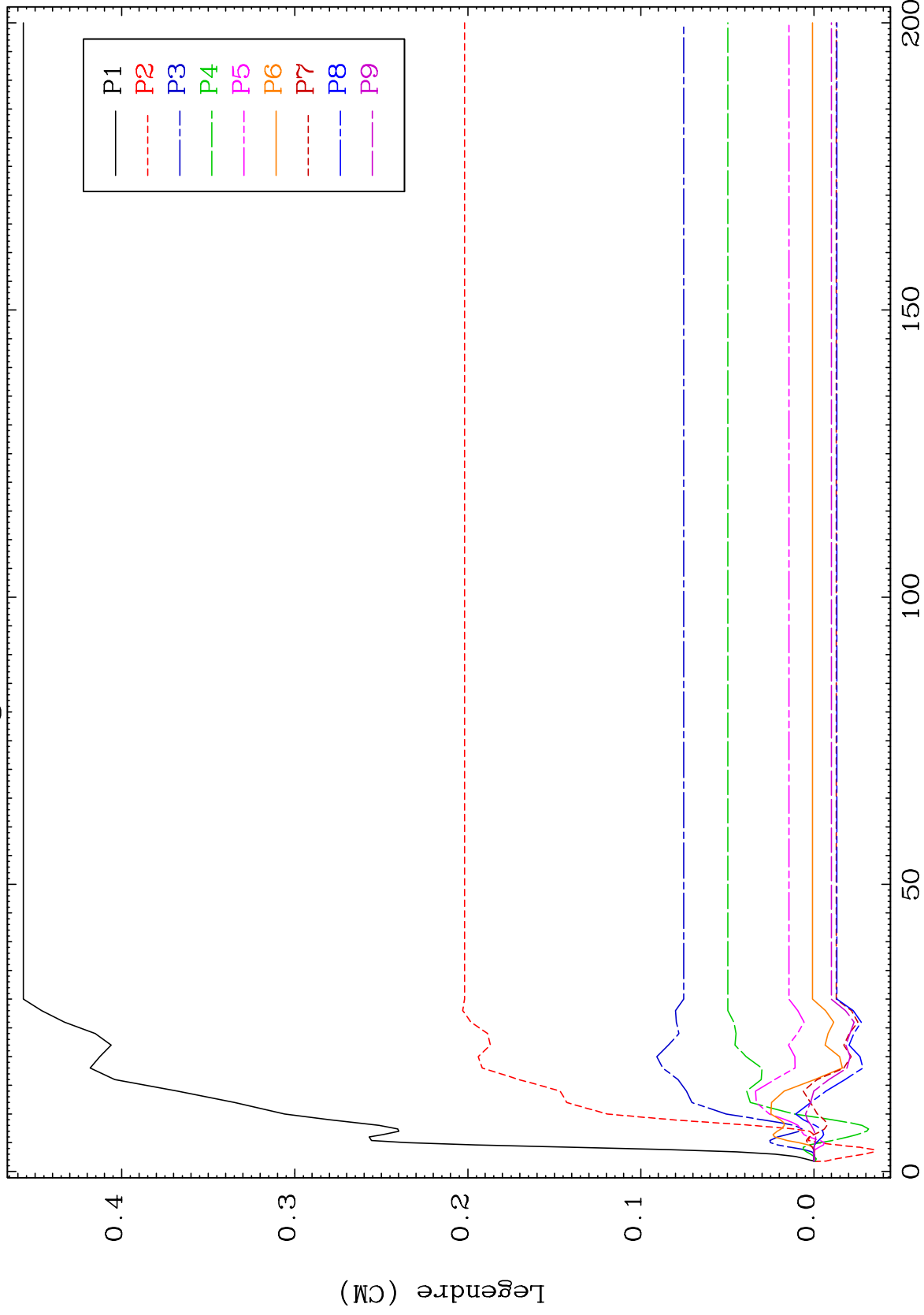
70-Yb-174



MAT 7043

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

70-Yb-174



70-Yb-174

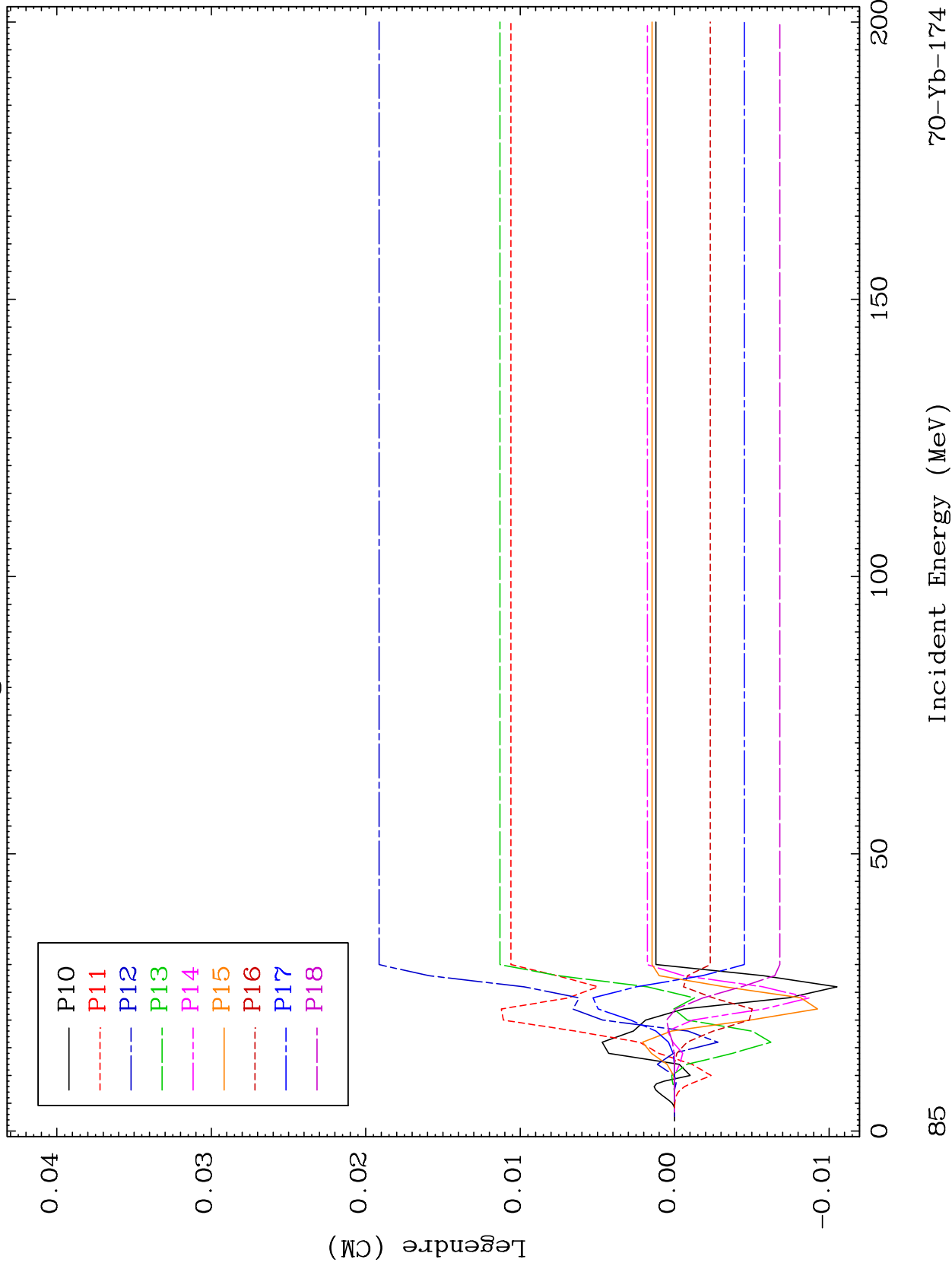
Incident Energy (MeV)

84

MAT 7043

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

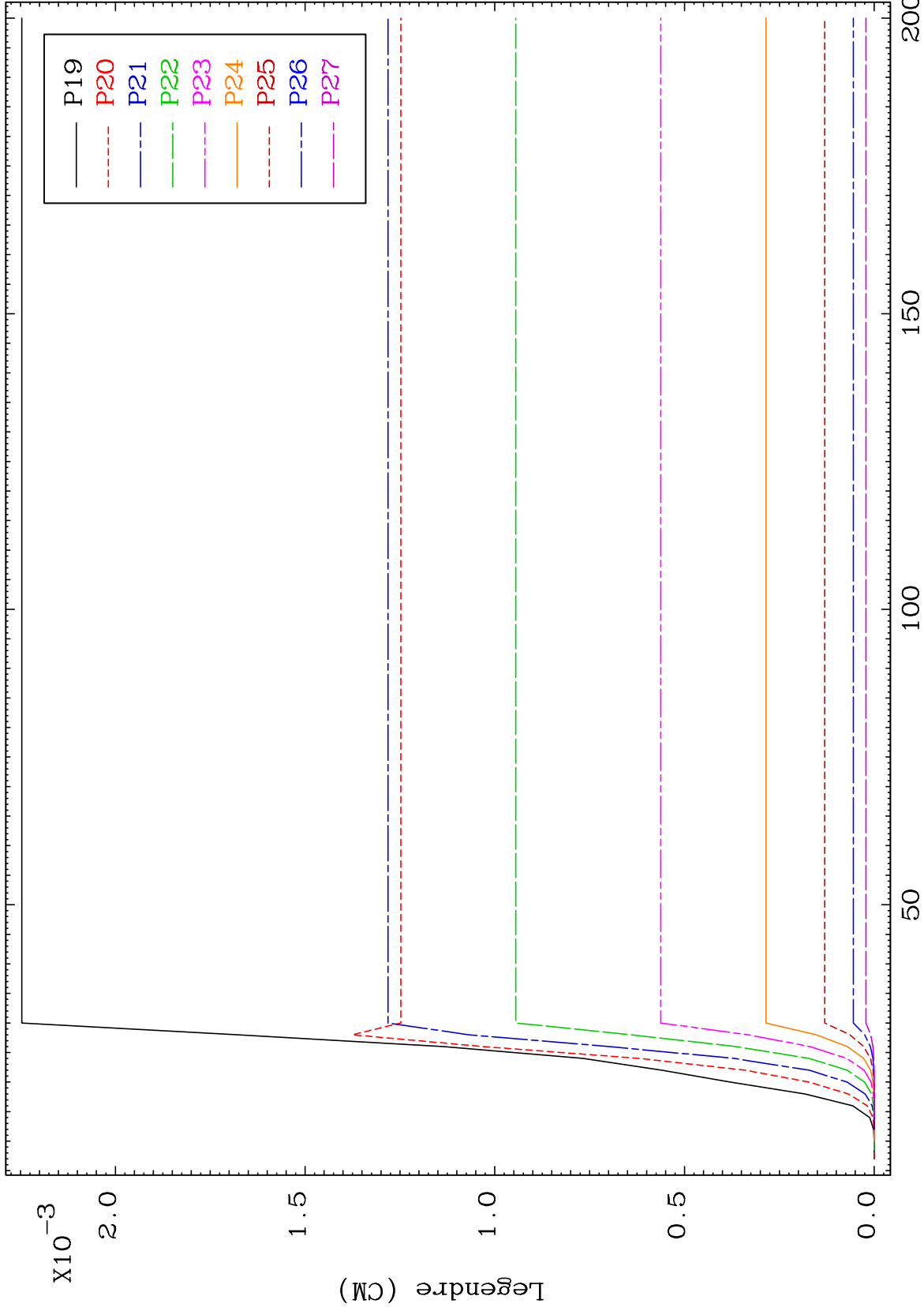
70-Yb-174



70-Yb-174

Incident Energy (MeV)

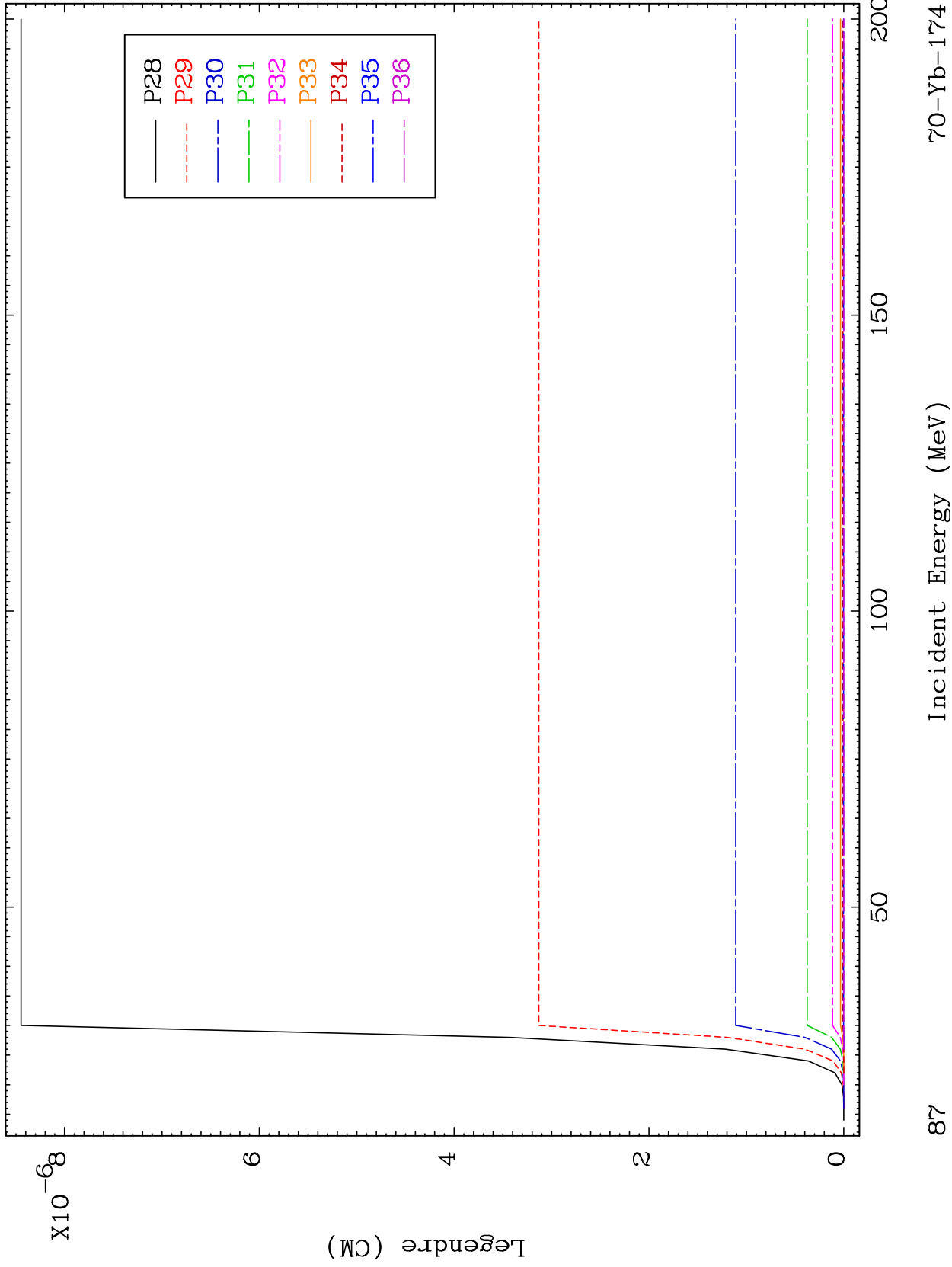
85



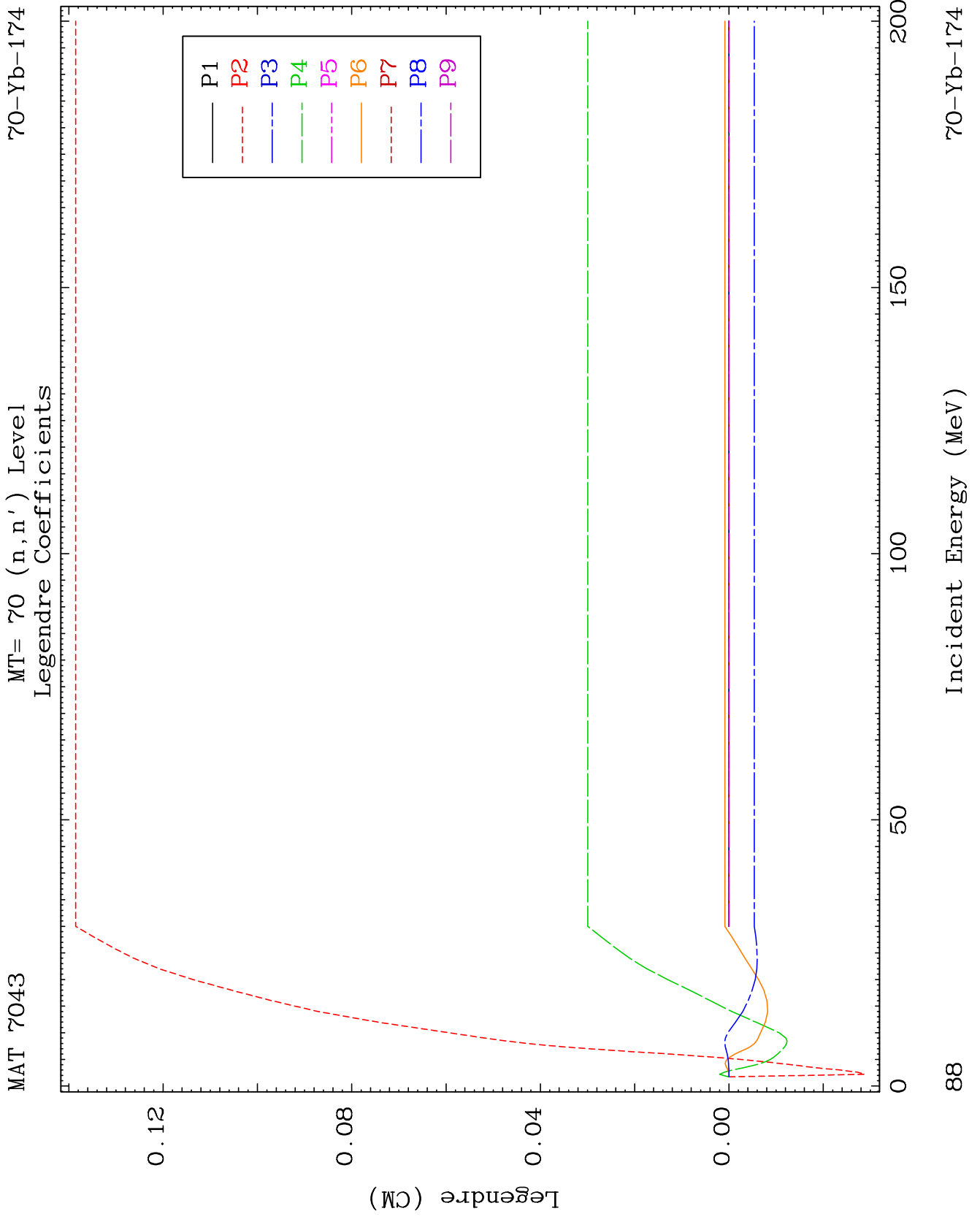
MAT 7043

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

70-Yb-174



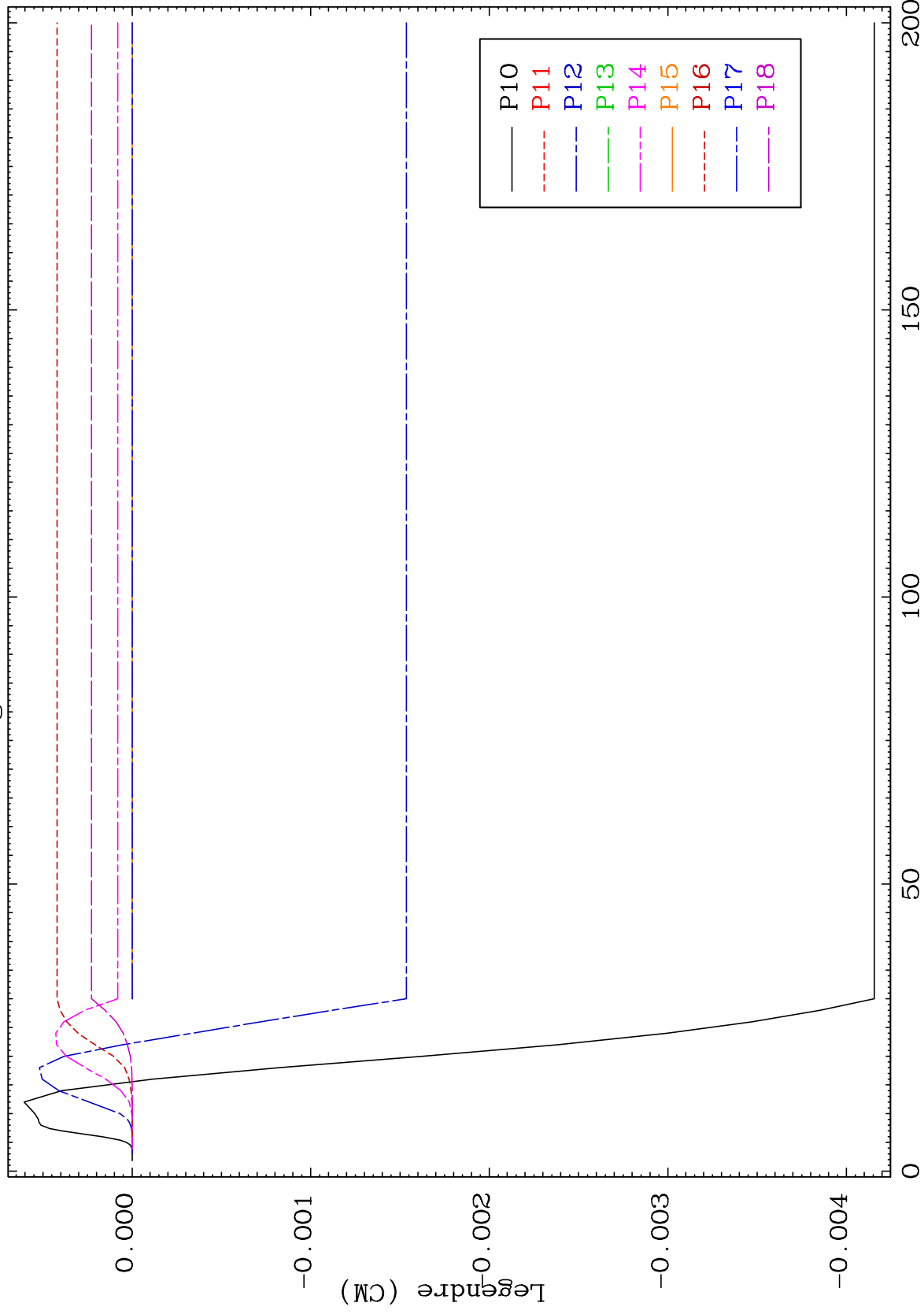




MAT 7043

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

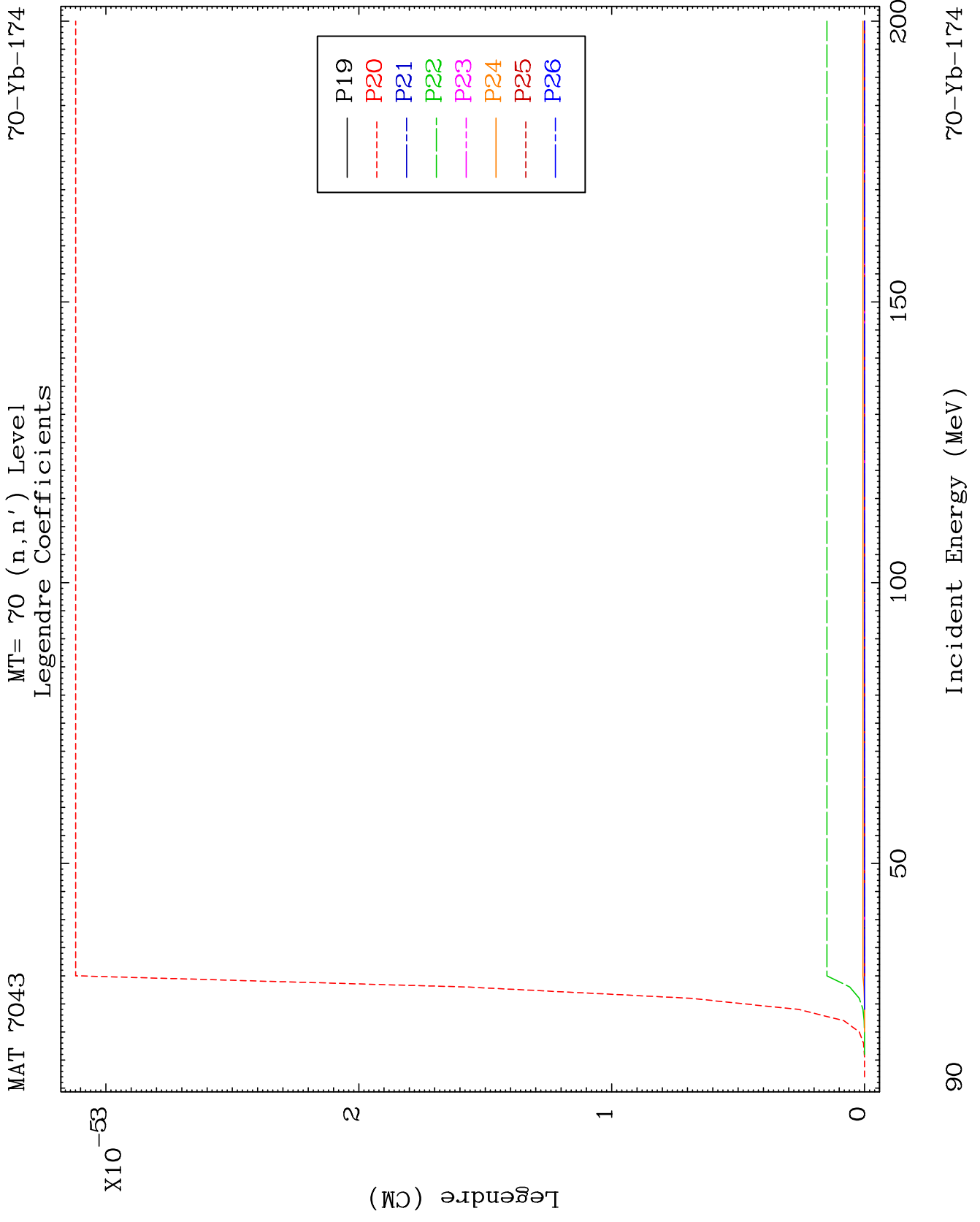
70-Yb-174



89

Incident Energy (MeV)

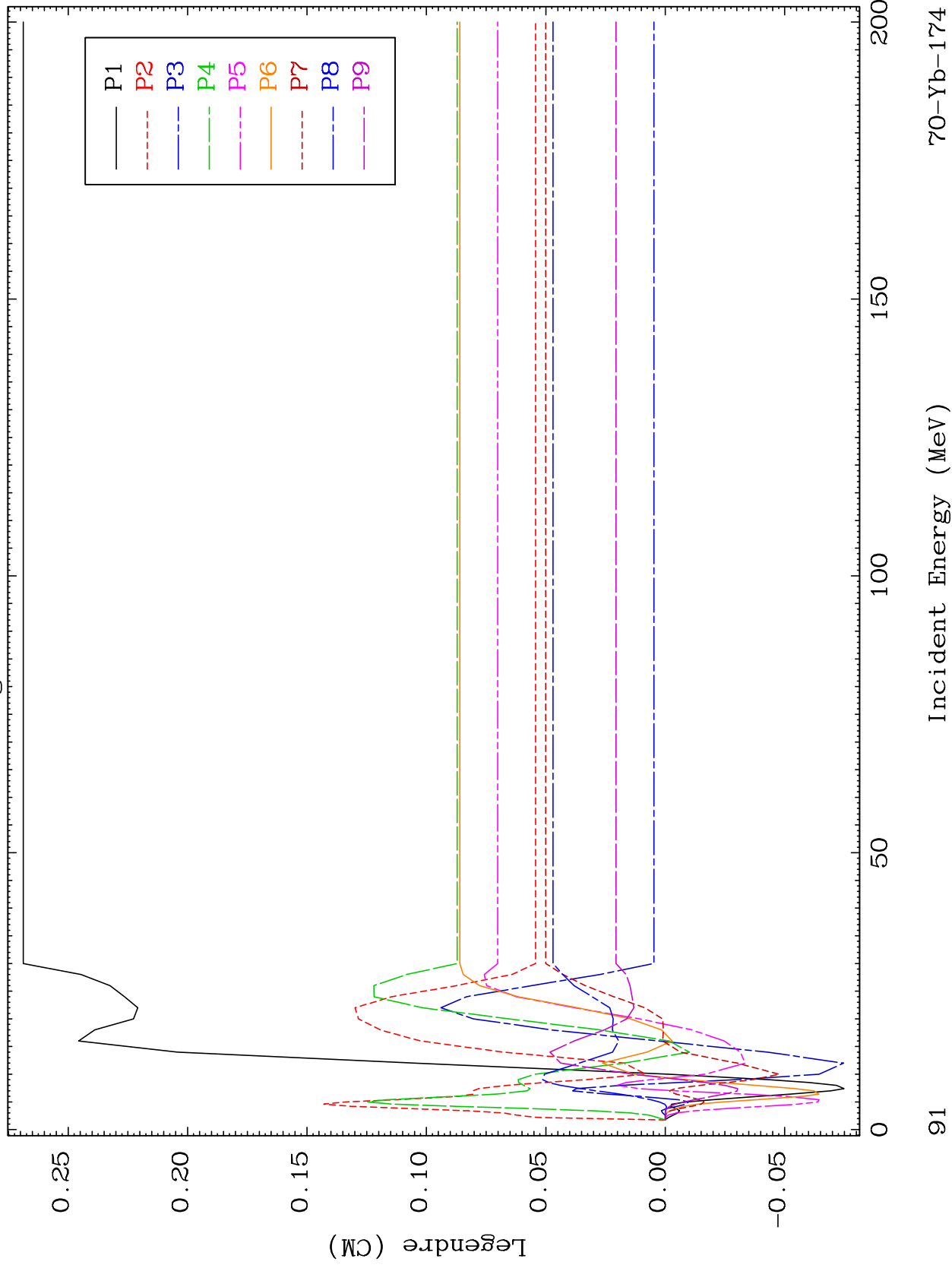
70-Yb-174



MAT 7043

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

70-Yb-174



91

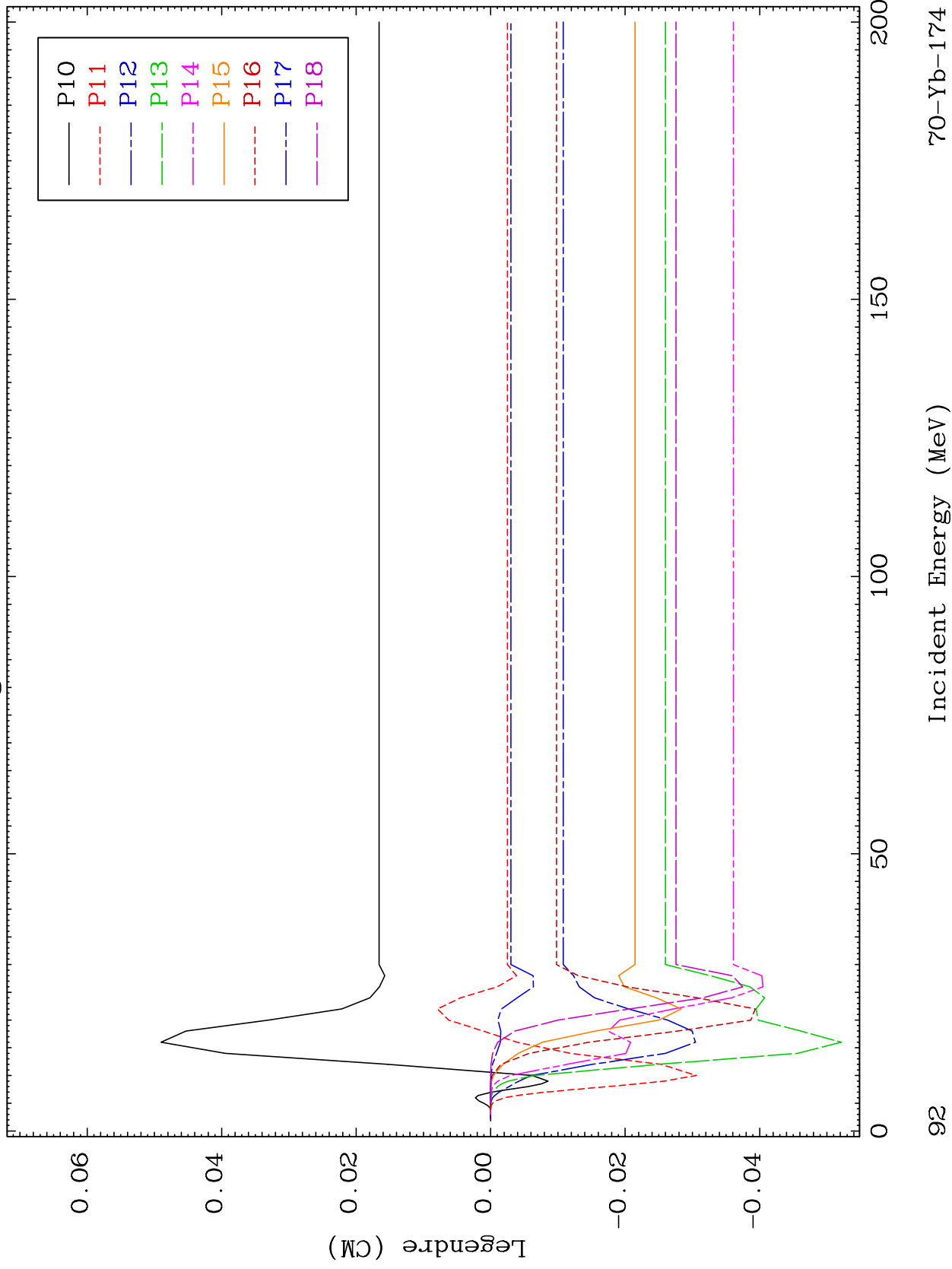
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



92

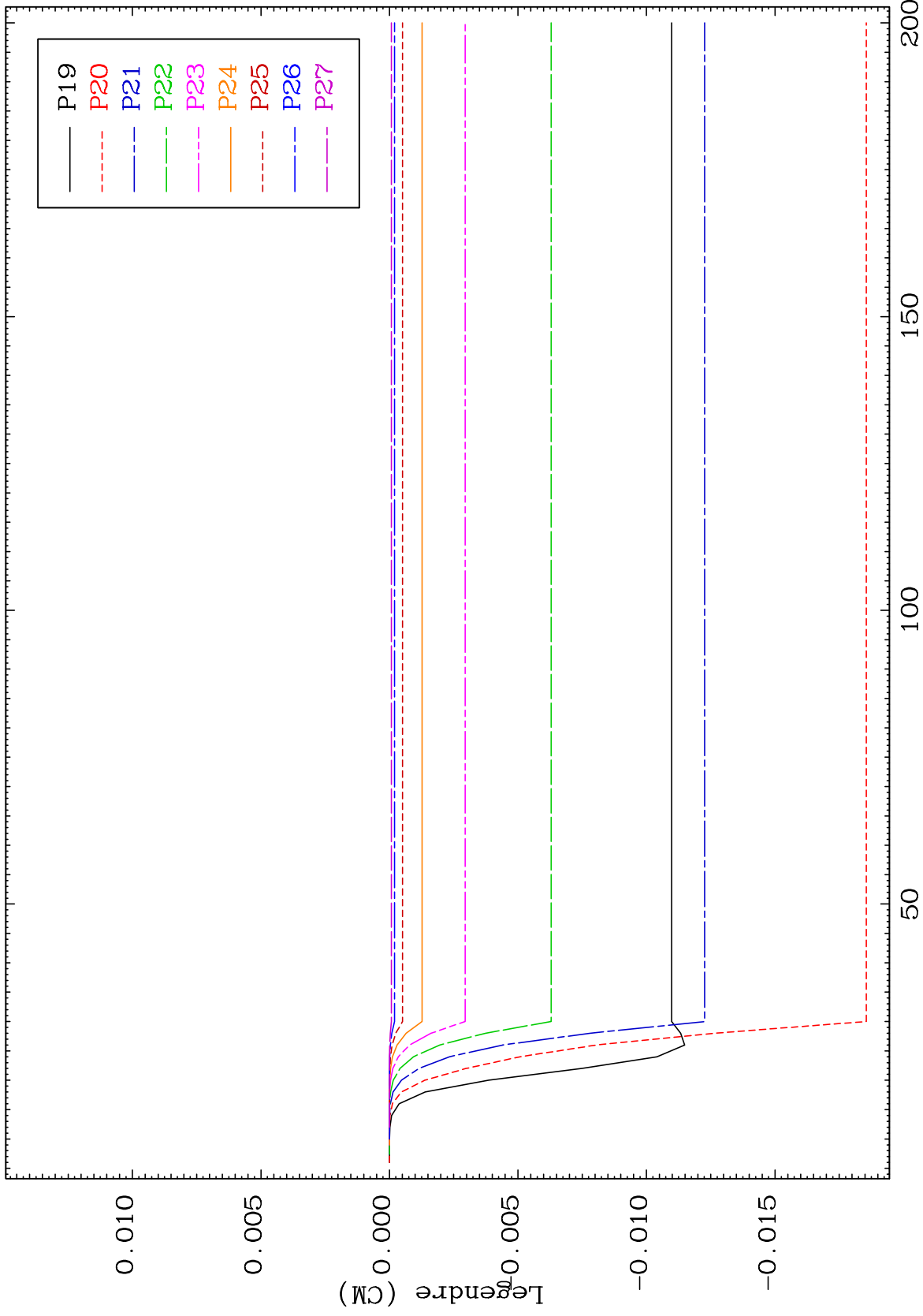
Incident Energy (MeV)

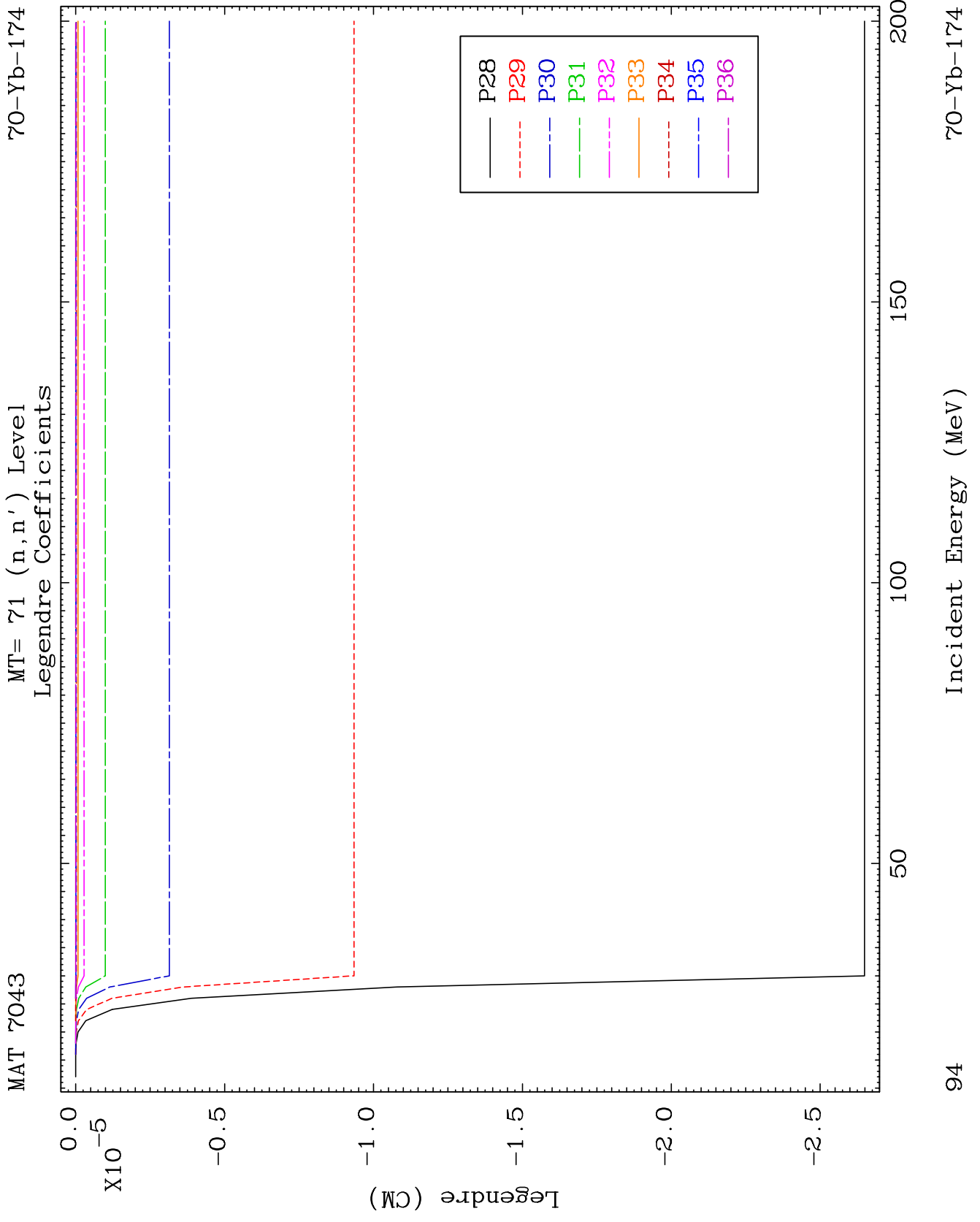
70-Yb-174

MAT 7043

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

70-Yb-174

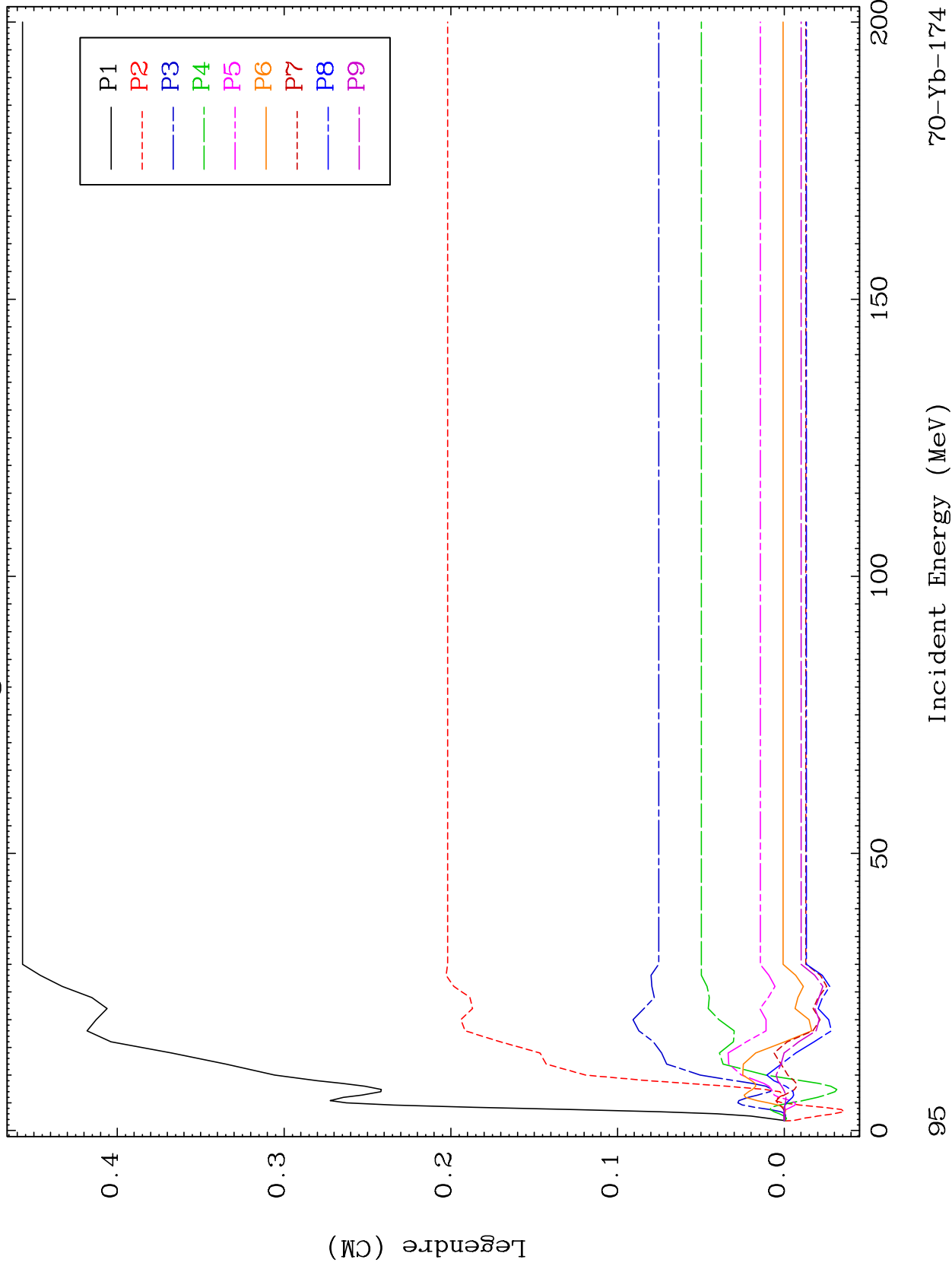




MAT 7043

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

70-Yb-174



70-Yb-174

Incident Energy (MeV)

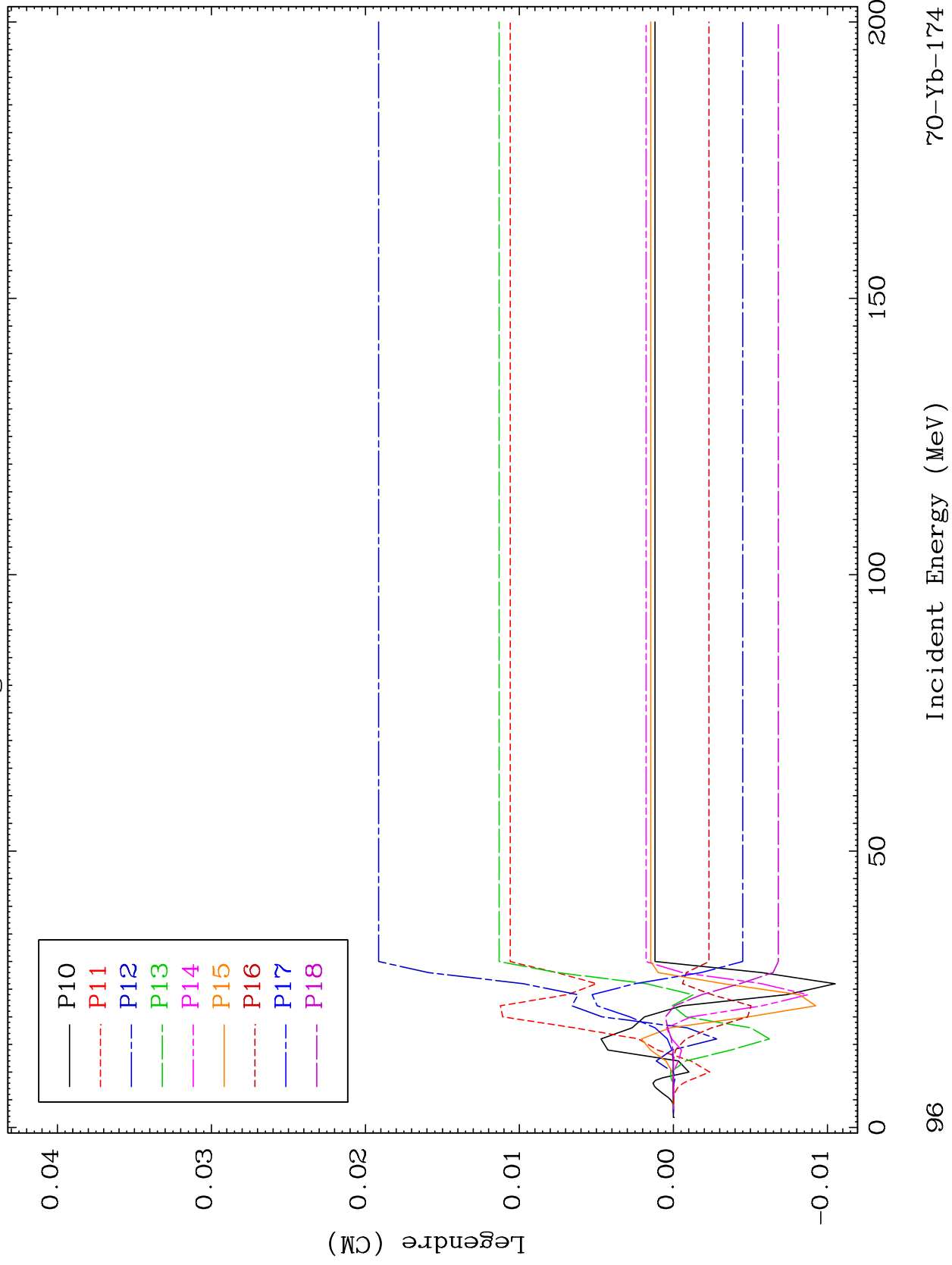
95



MAT 7043

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

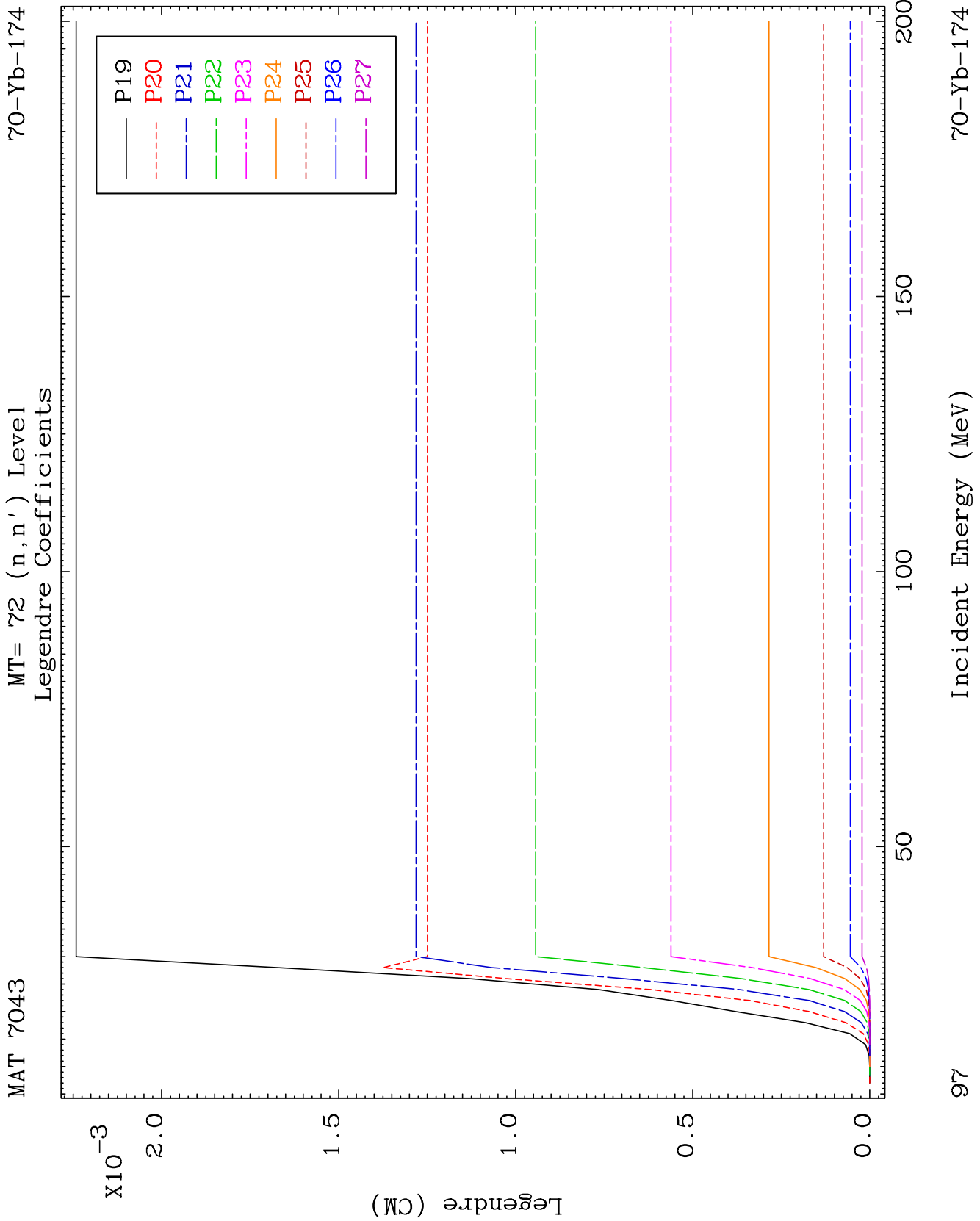
70-Yb-174



96

Incident Energy (MeV)

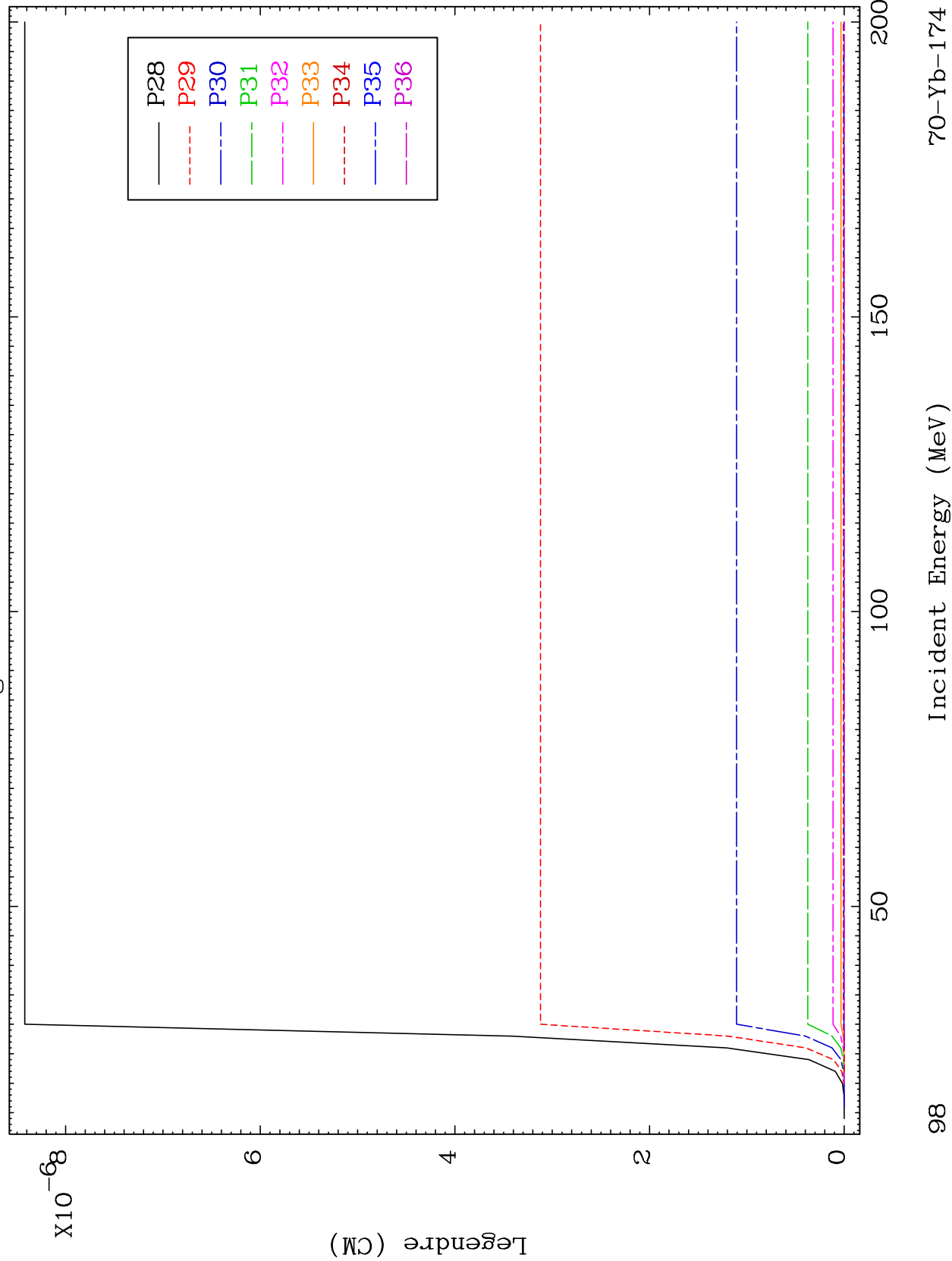
70-Yb-174



MAT 7043

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

70-Yb-174



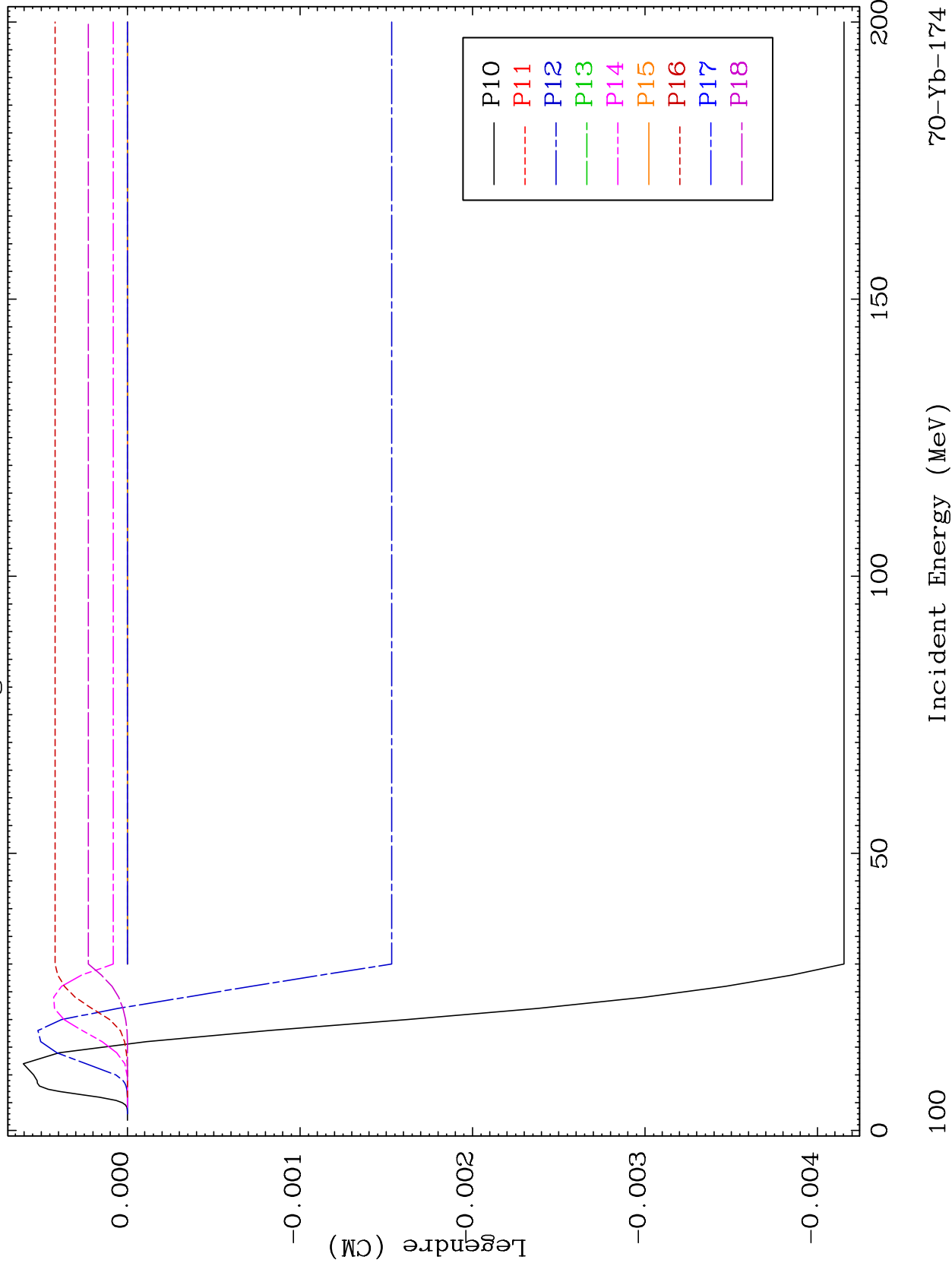
98

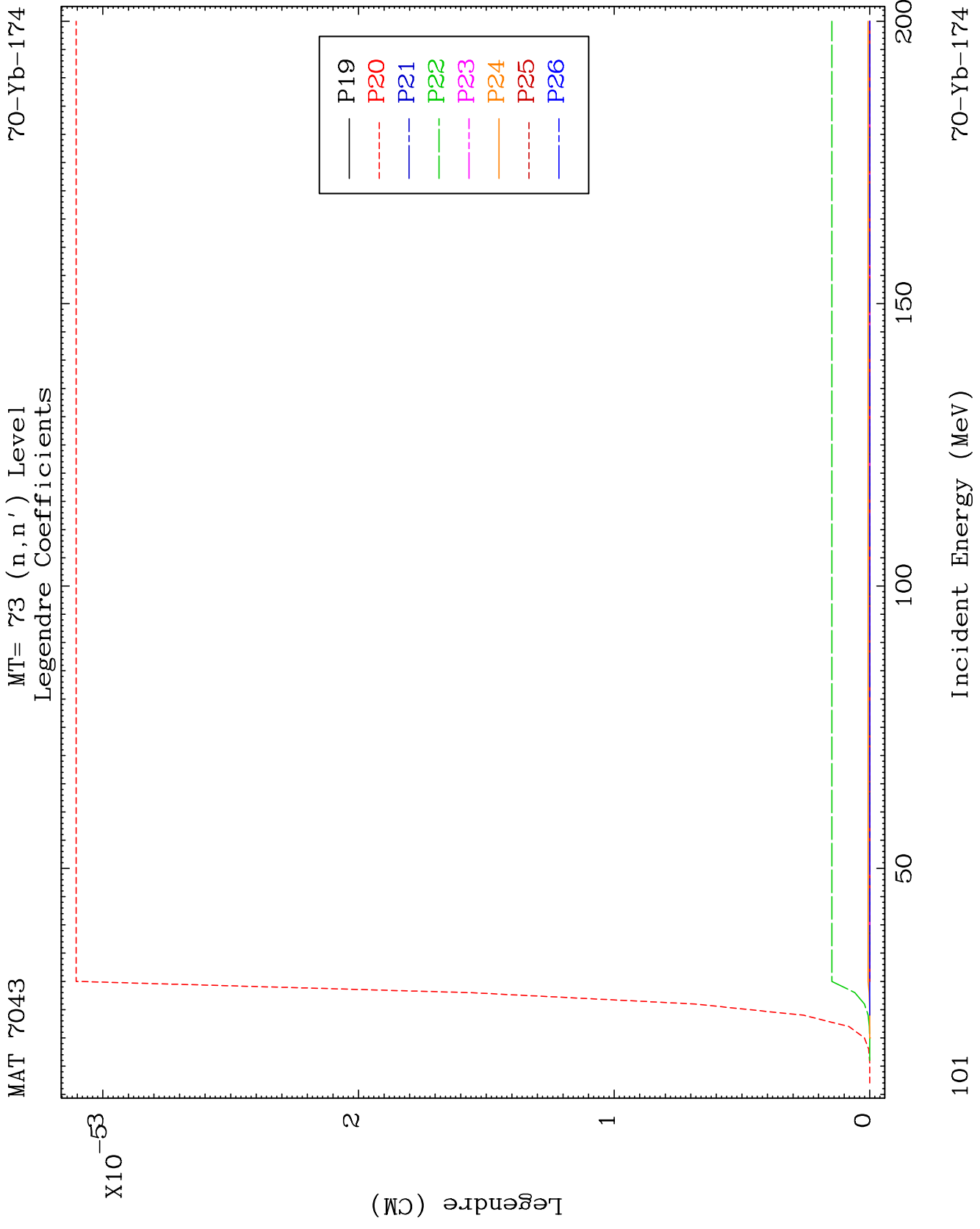


MAT 7043

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

70-Yb-174



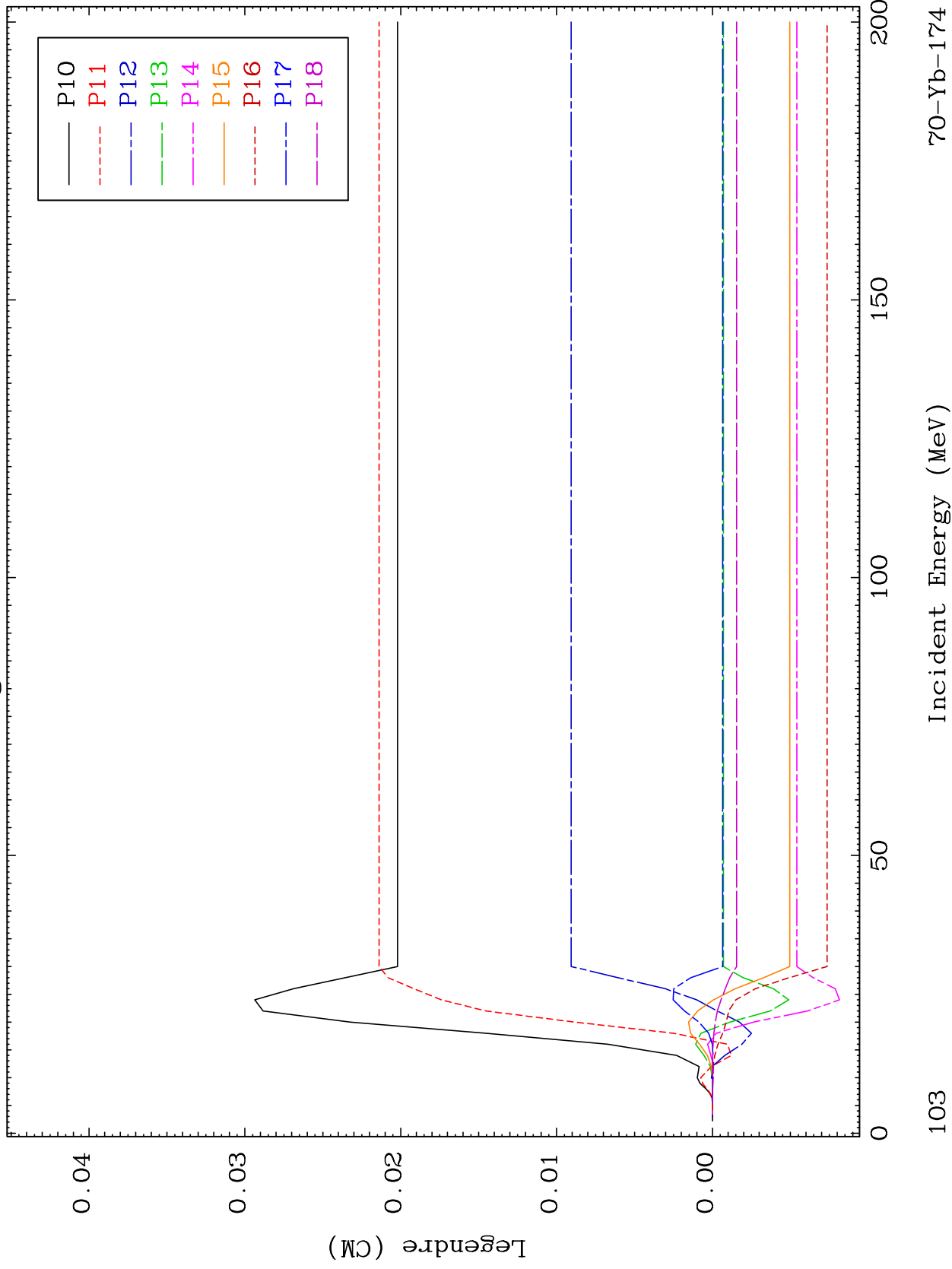




MAT 7043

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

70-Yb-174



70-Yb-174

Incident Energy (MeV)

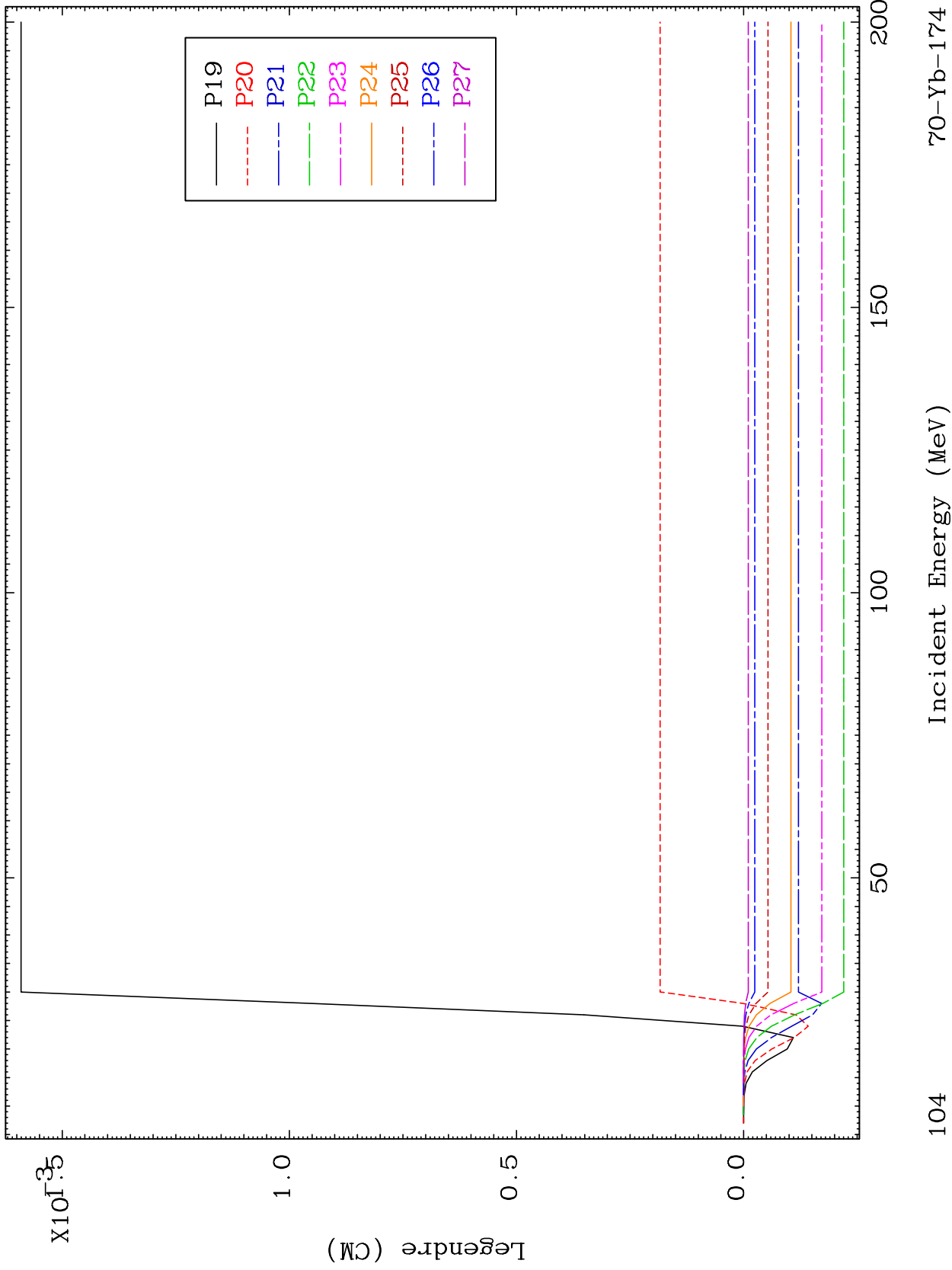
103



MAT 7043

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

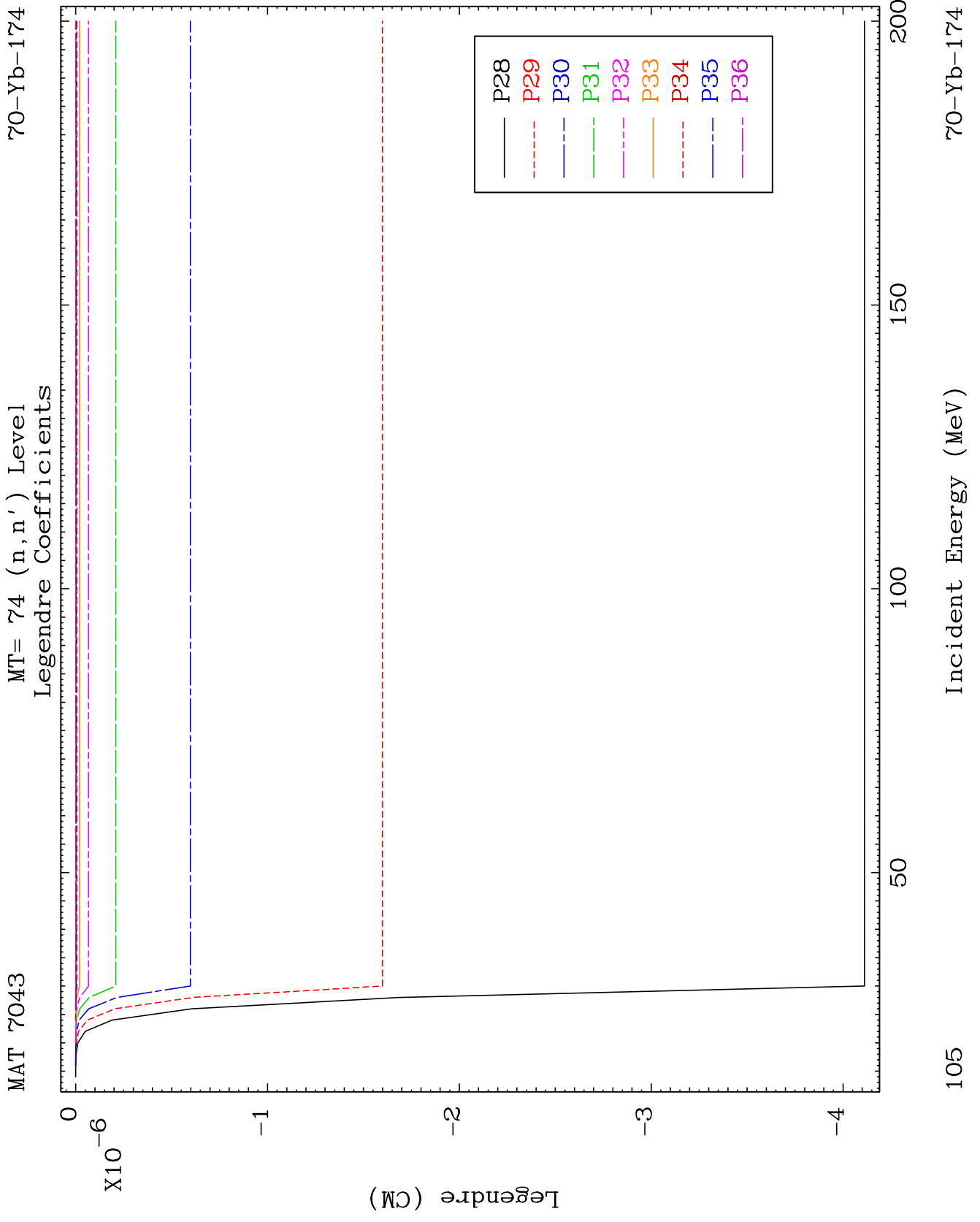
70-Yb-174



104

Incident Energy (MeV)

70-Yb-174

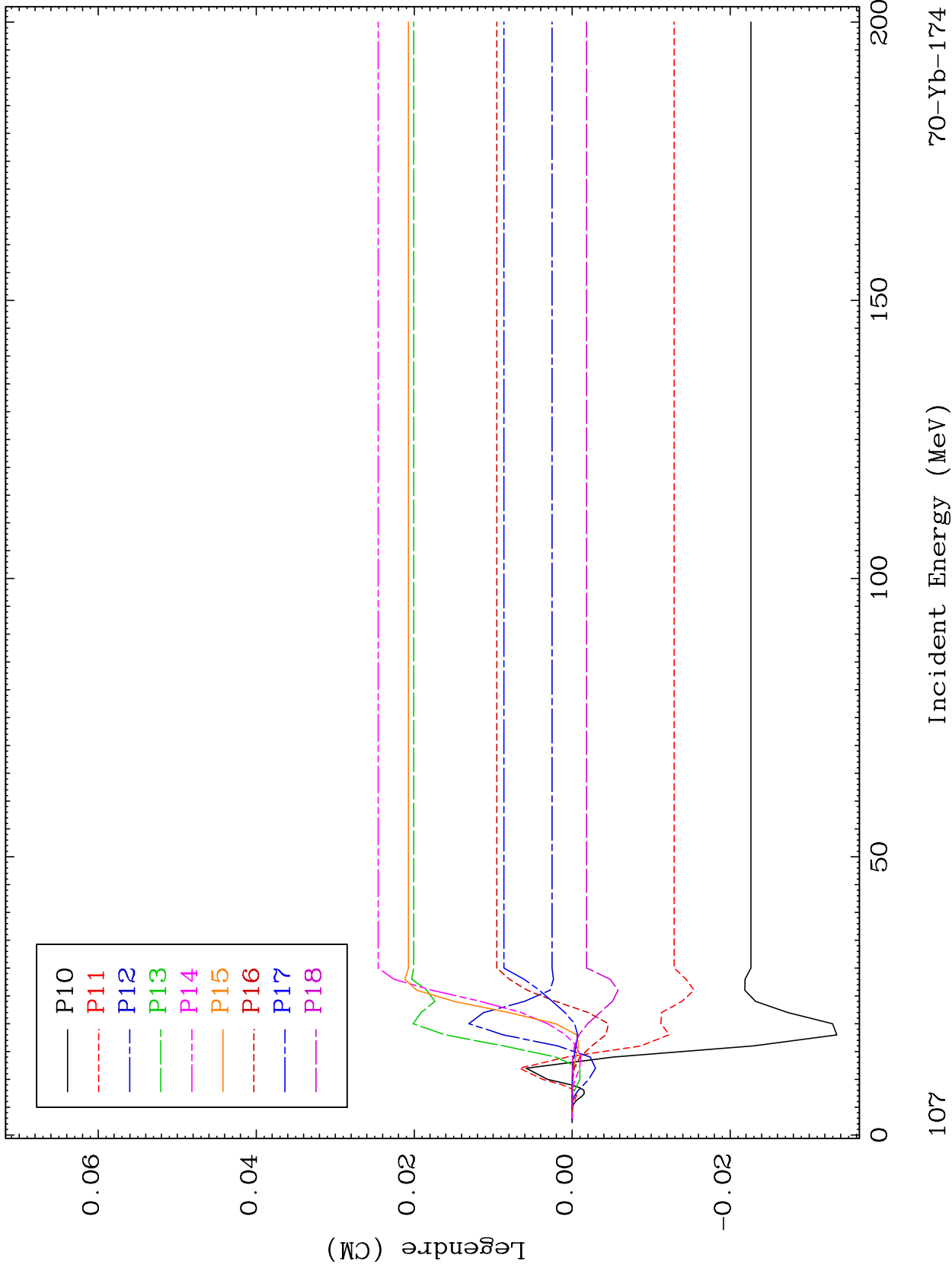




MAT 7043

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

70-Yb-174



107

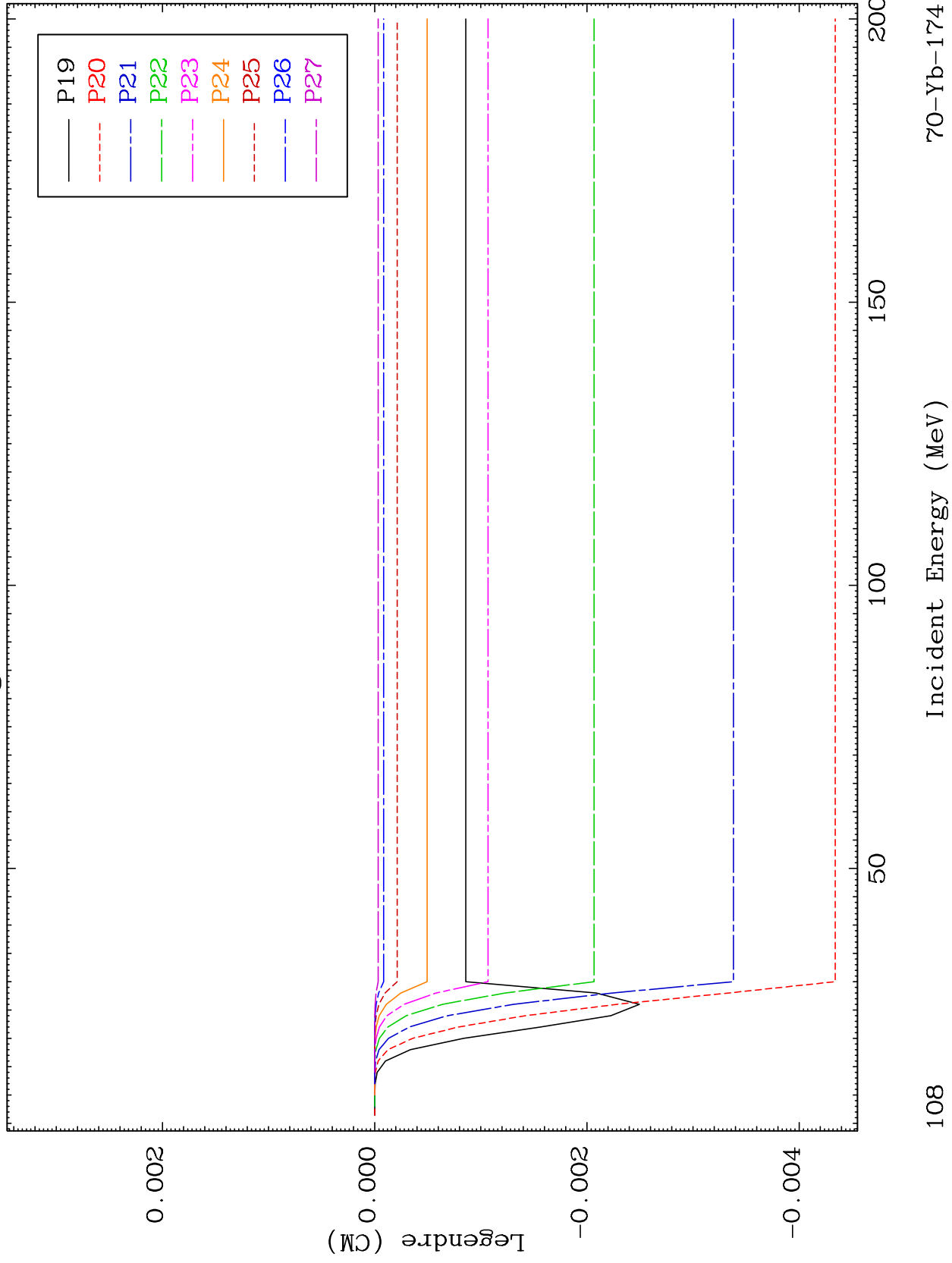
Incident Energy (MeV)

70-Yb-174

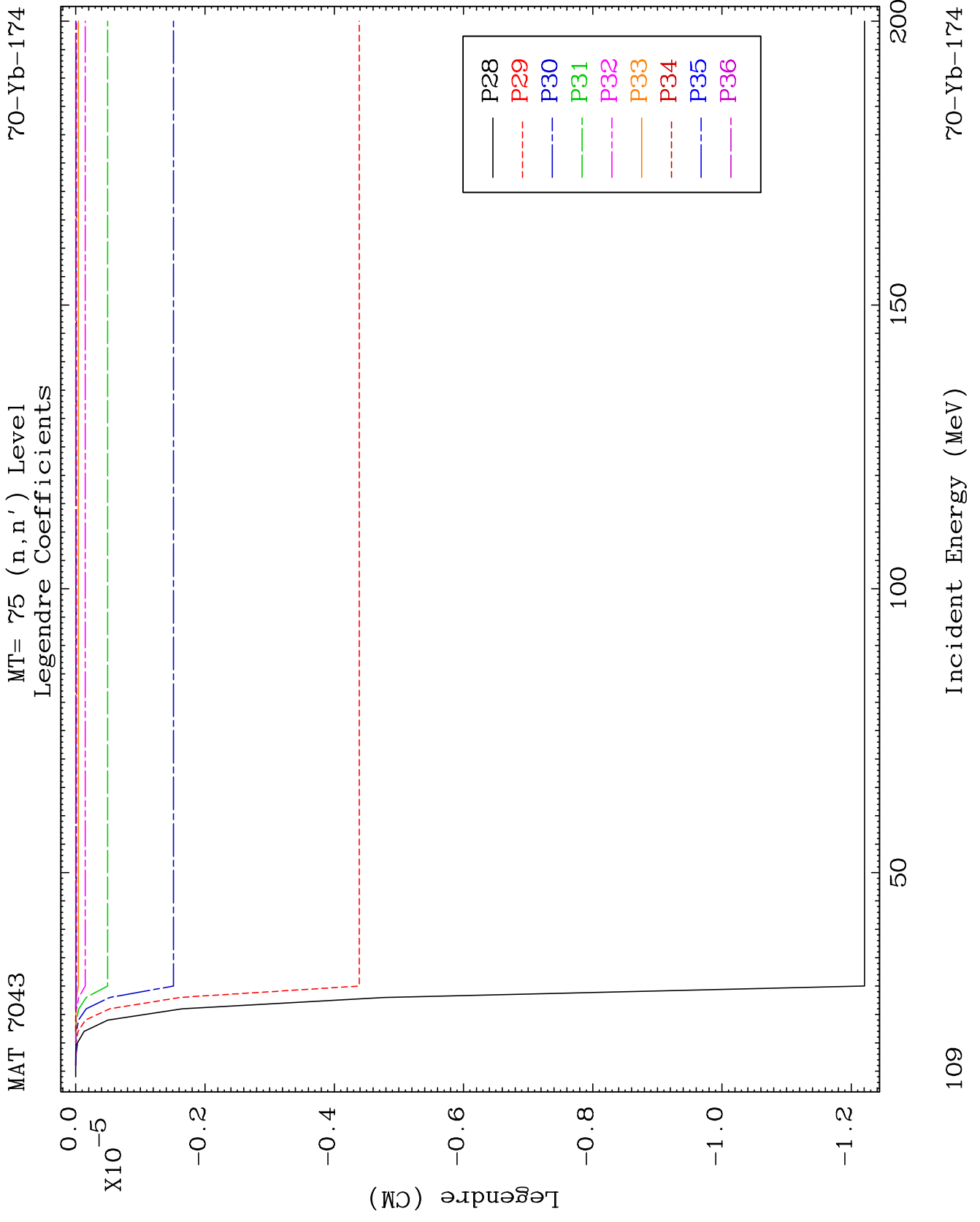
MAT 7043

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

70-Yb-174



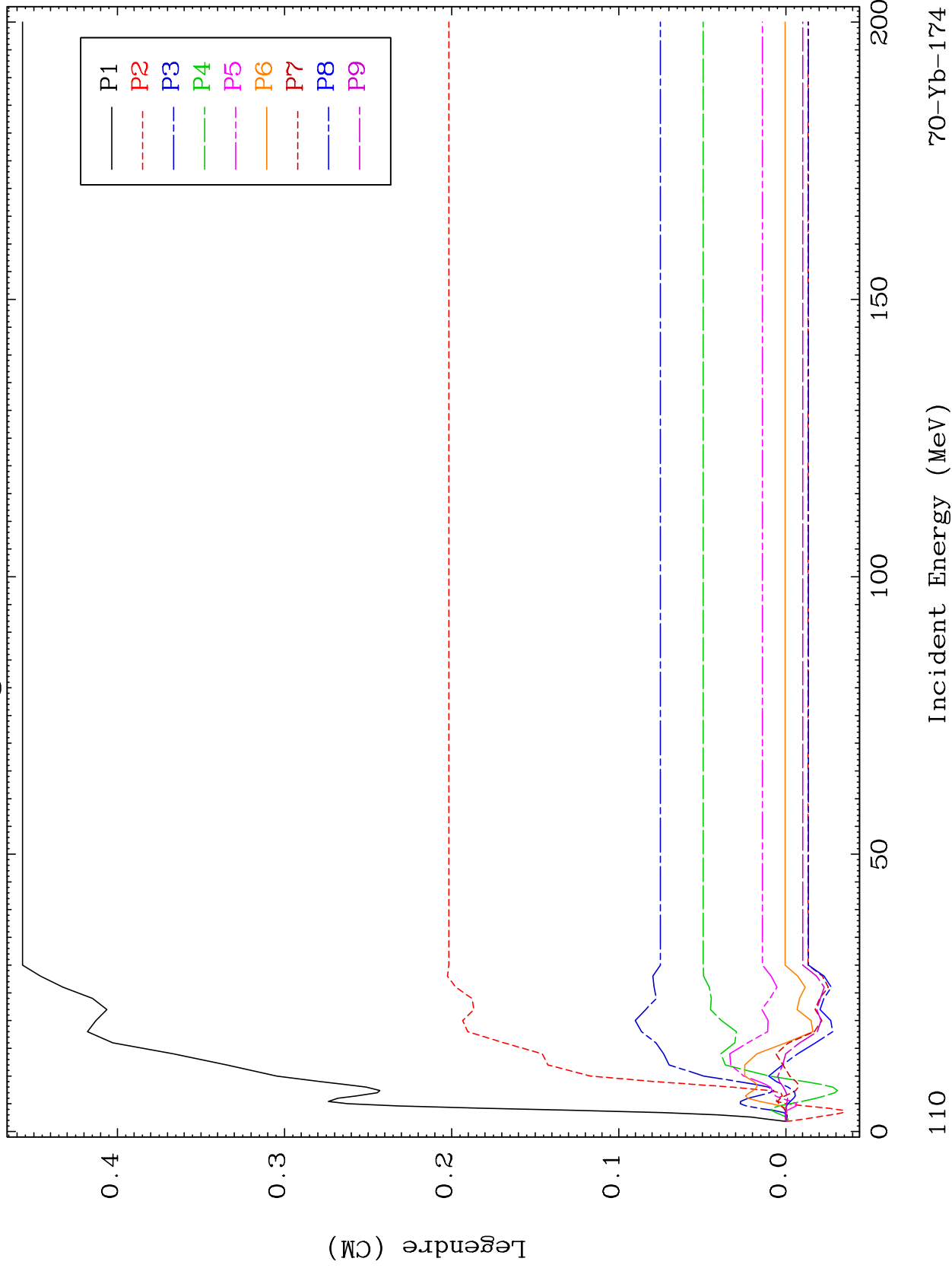
108



MAT 7043

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

70-Yb-174



70-Yb-174

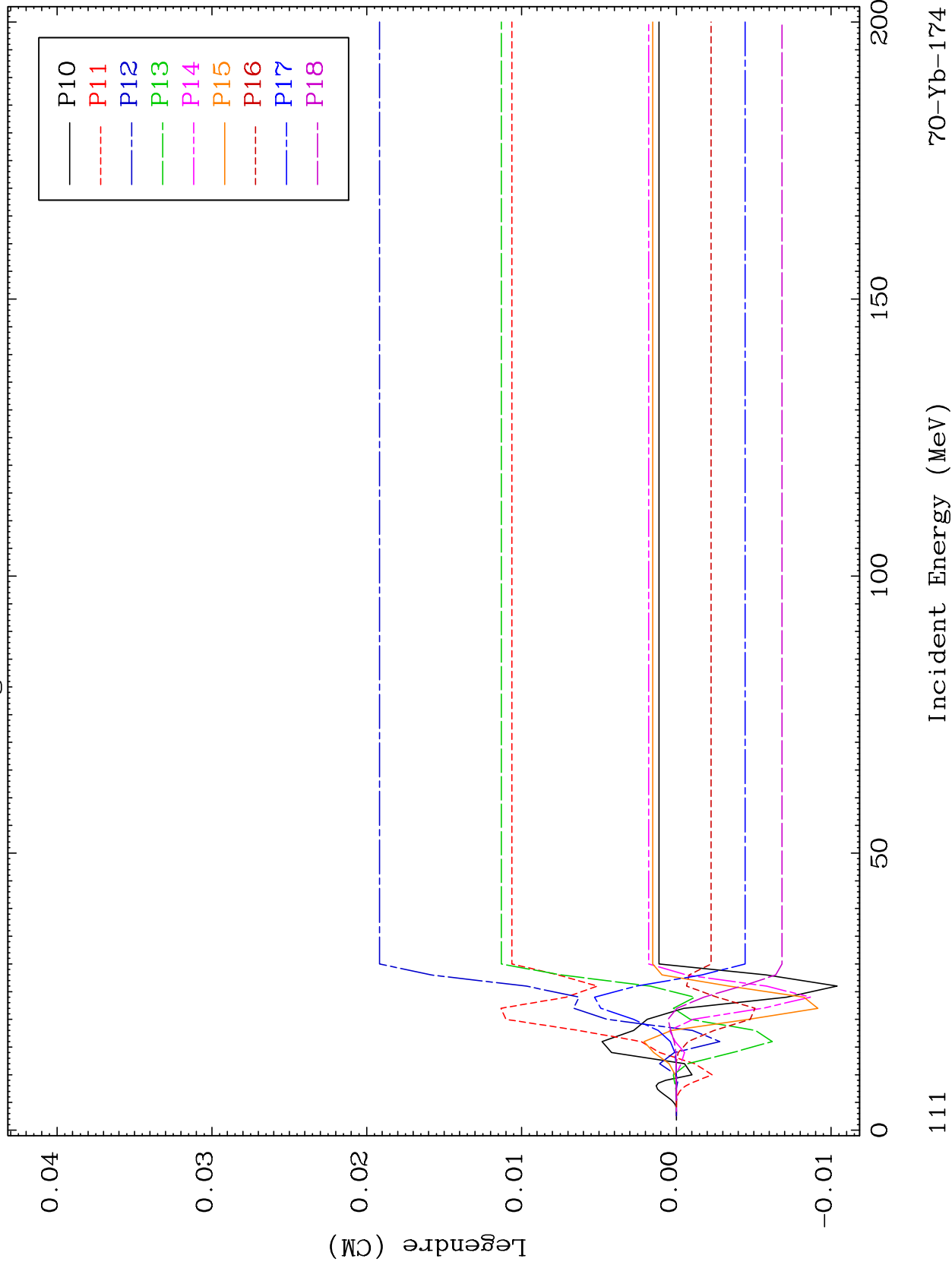
Incident Energy (MeV)

110

MAT 7043

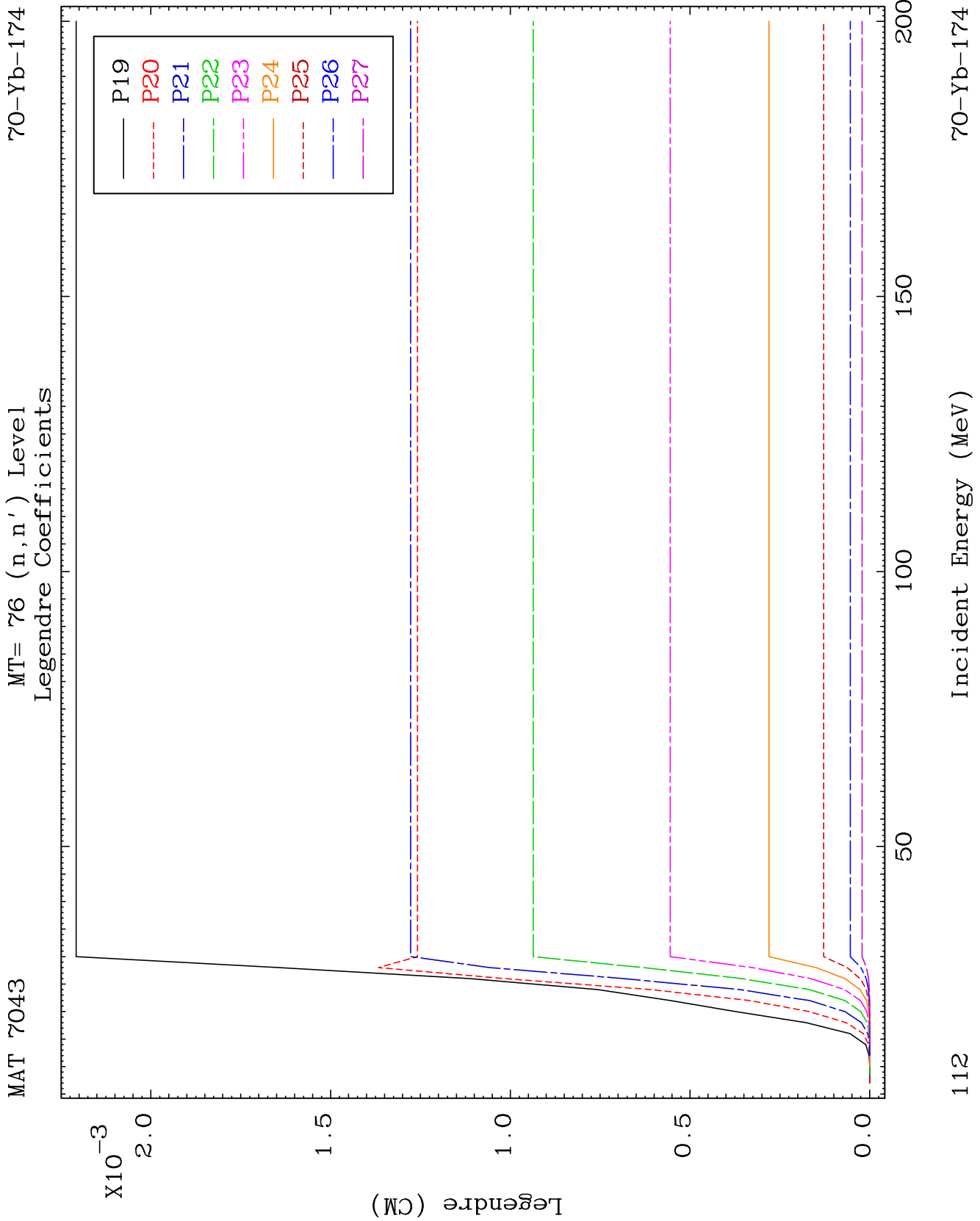
MT= 76 (n,n') Level  
Legendre Coefficients

70-Yb-174



111

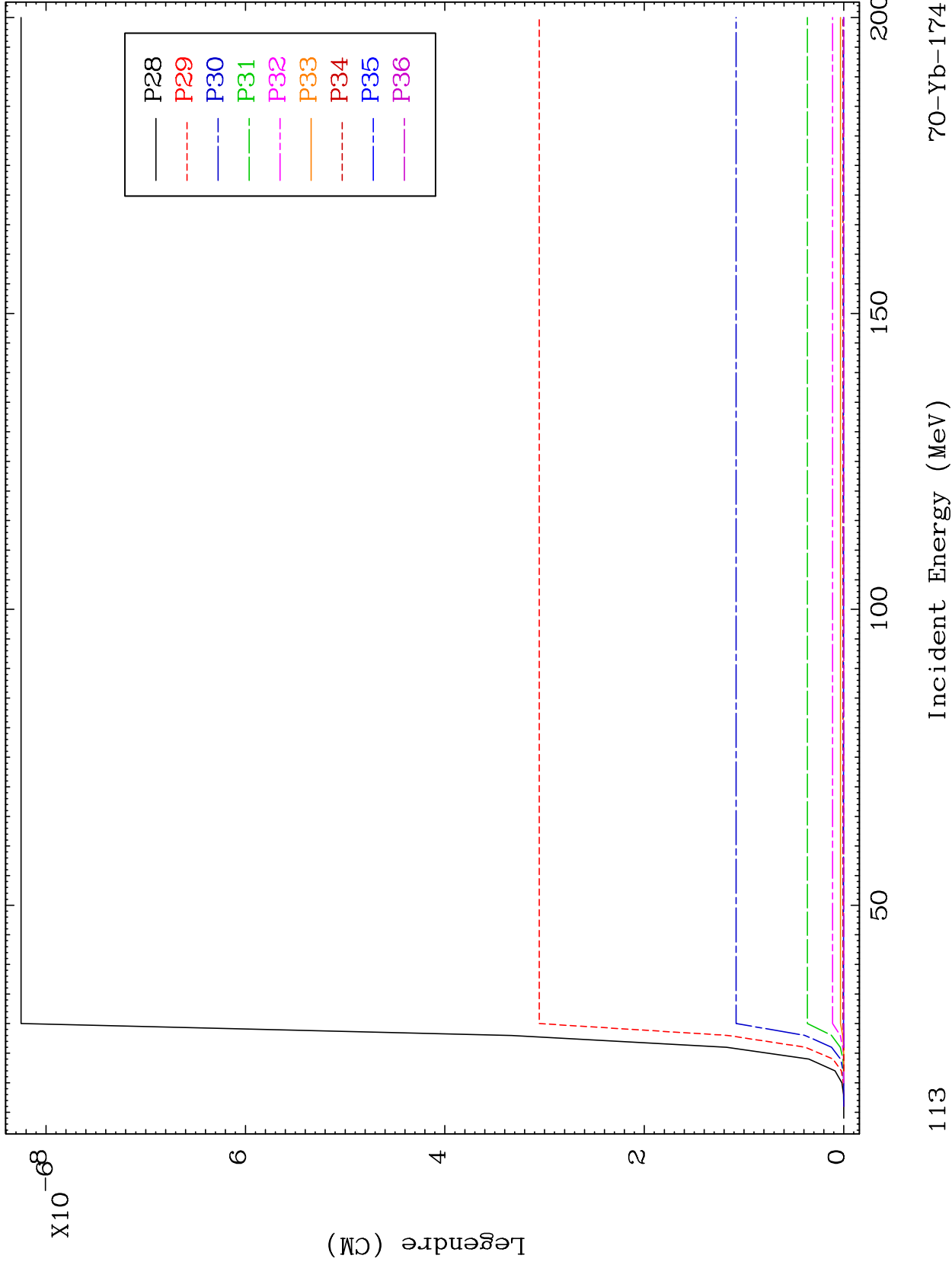




MAT 7043

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

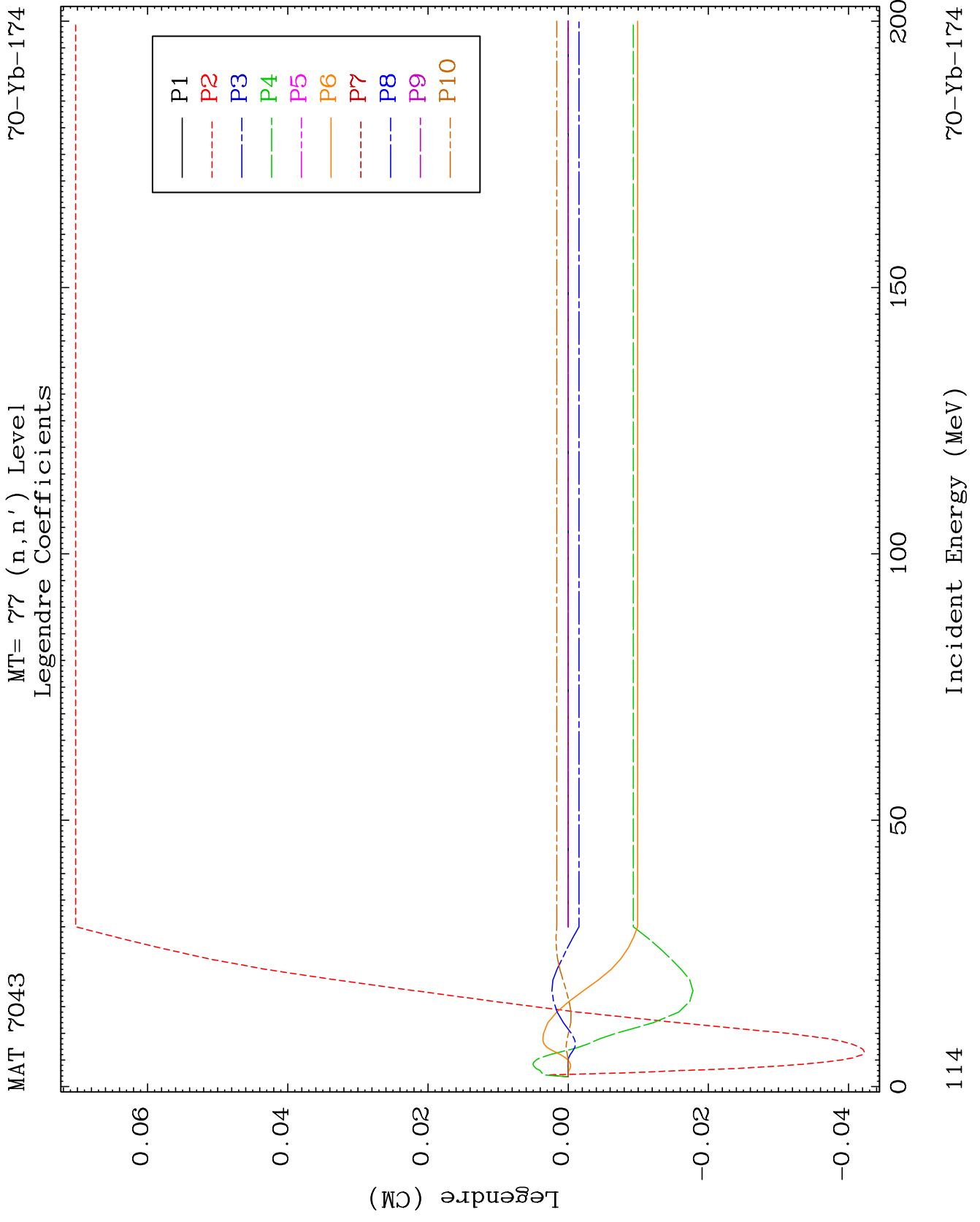
70-Yb-174

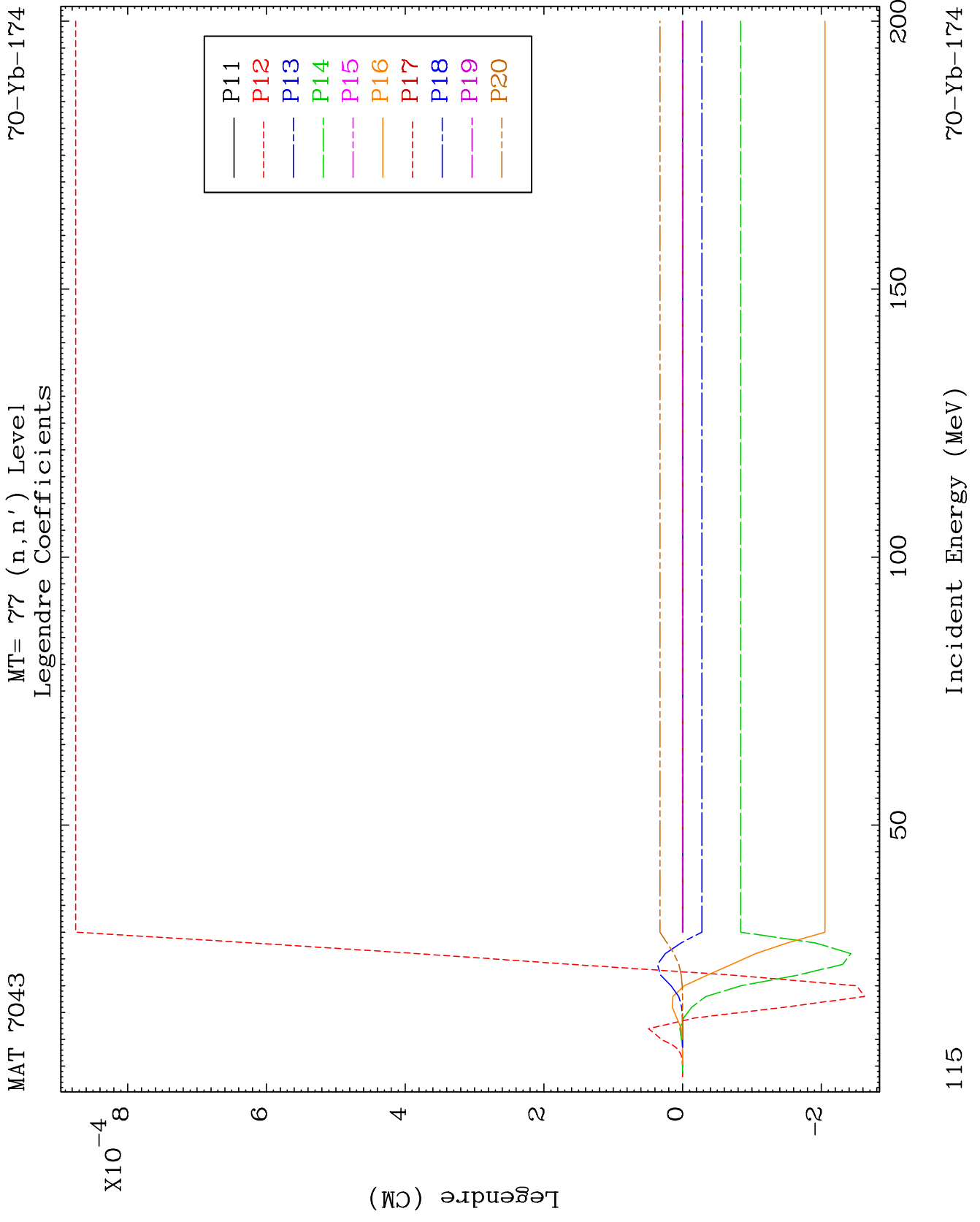


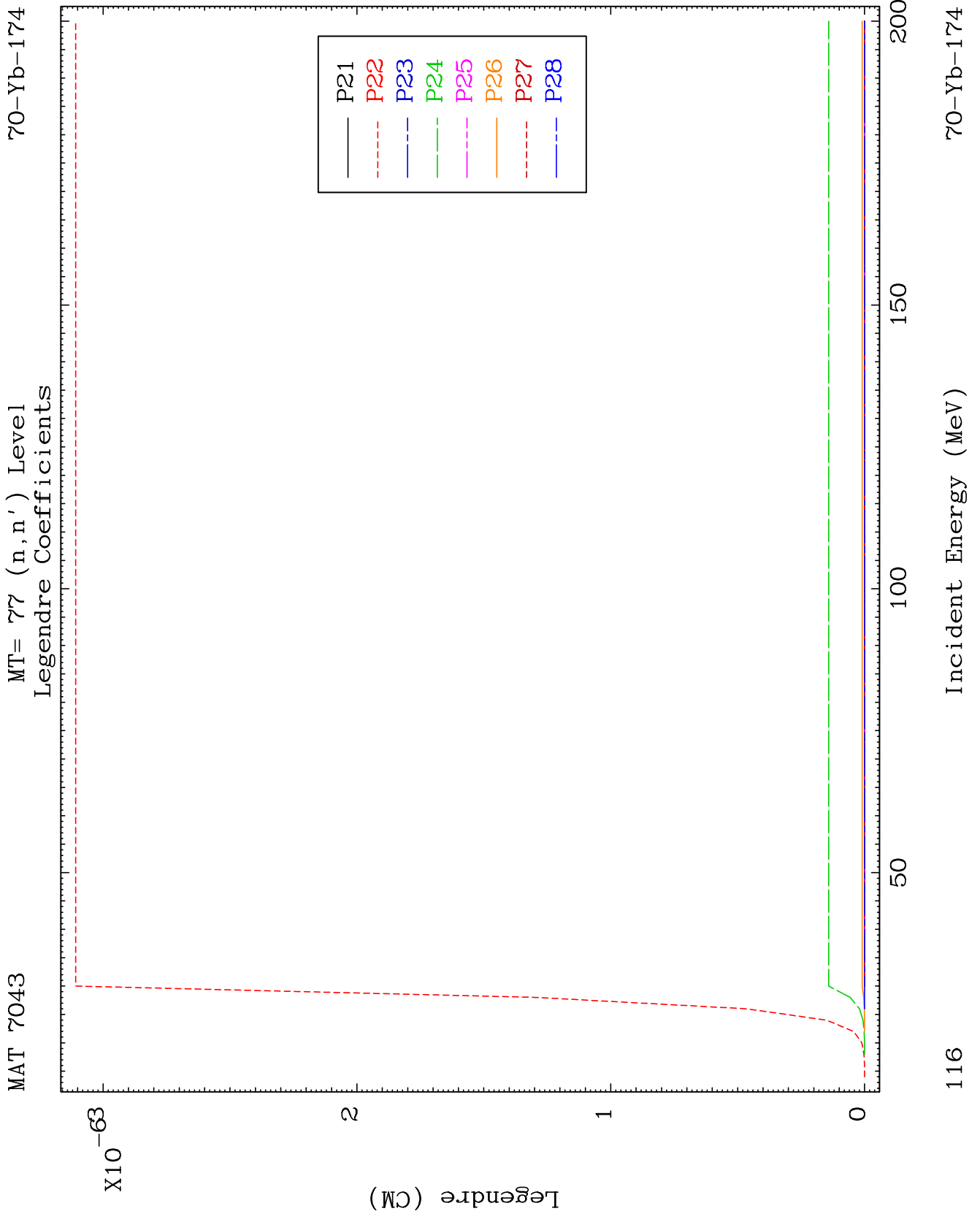
113

Incident Energy (MeV)

70-Yb-174



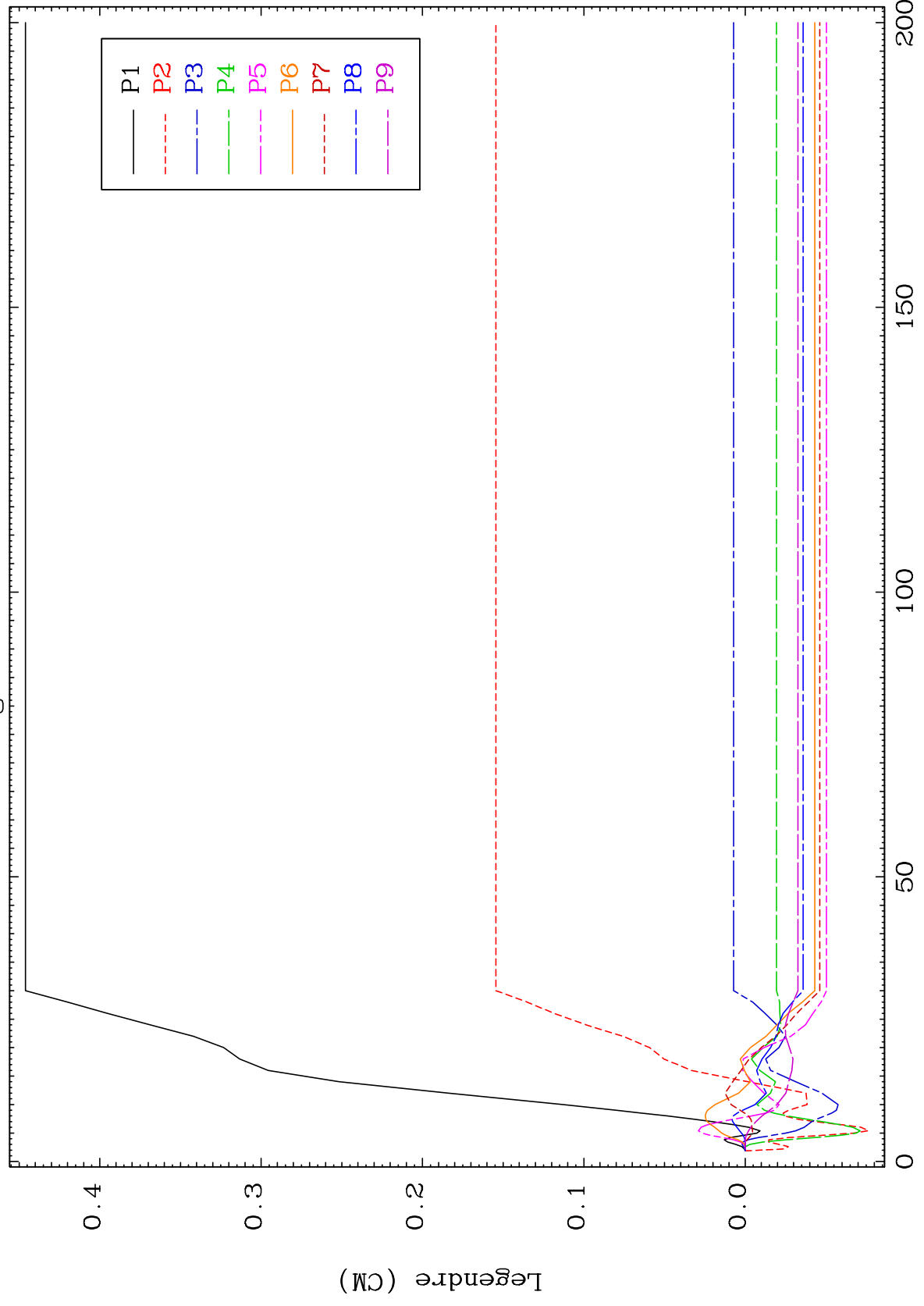




MAT 7043

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

70-Yb-174



117

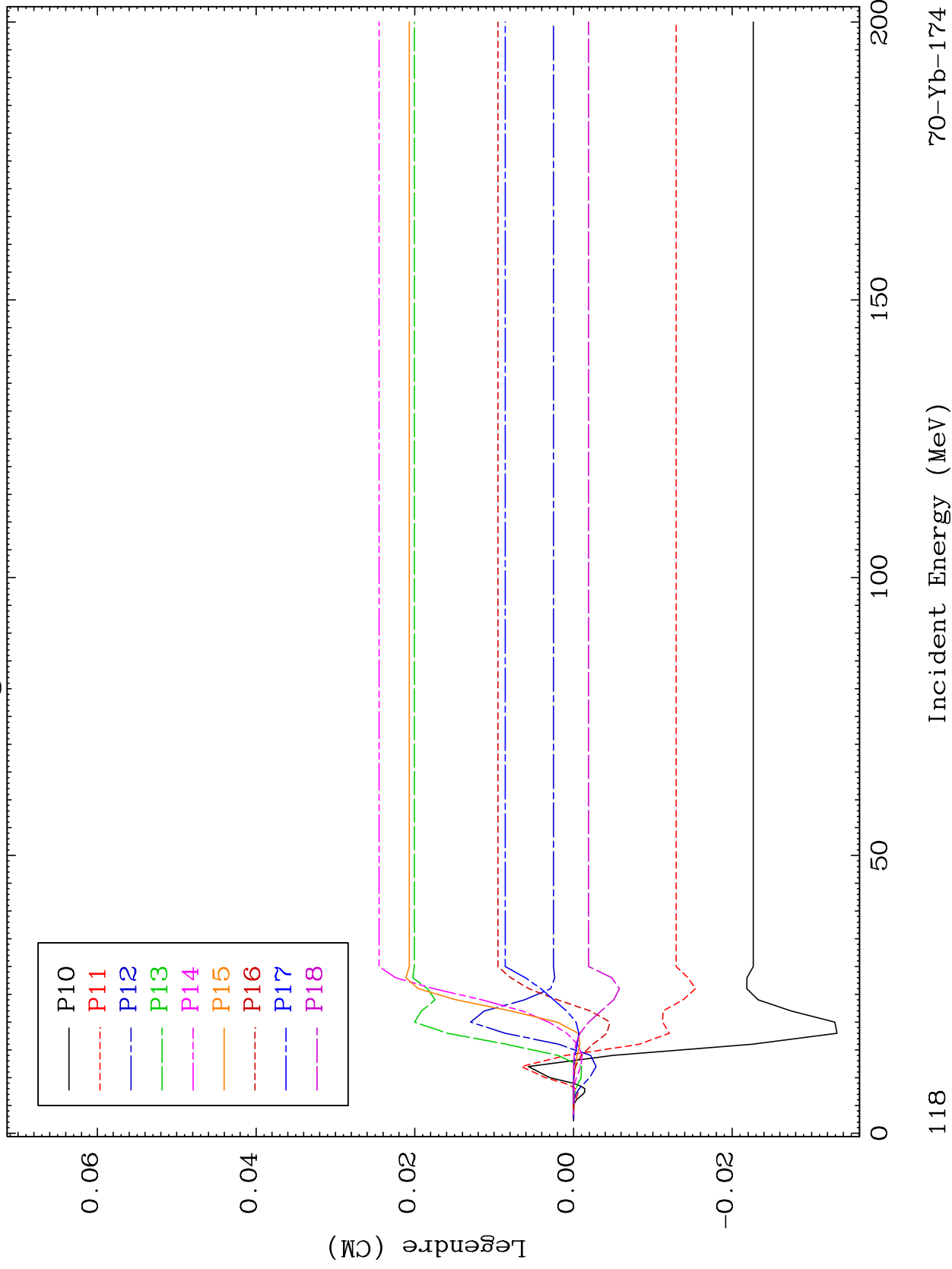
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



118

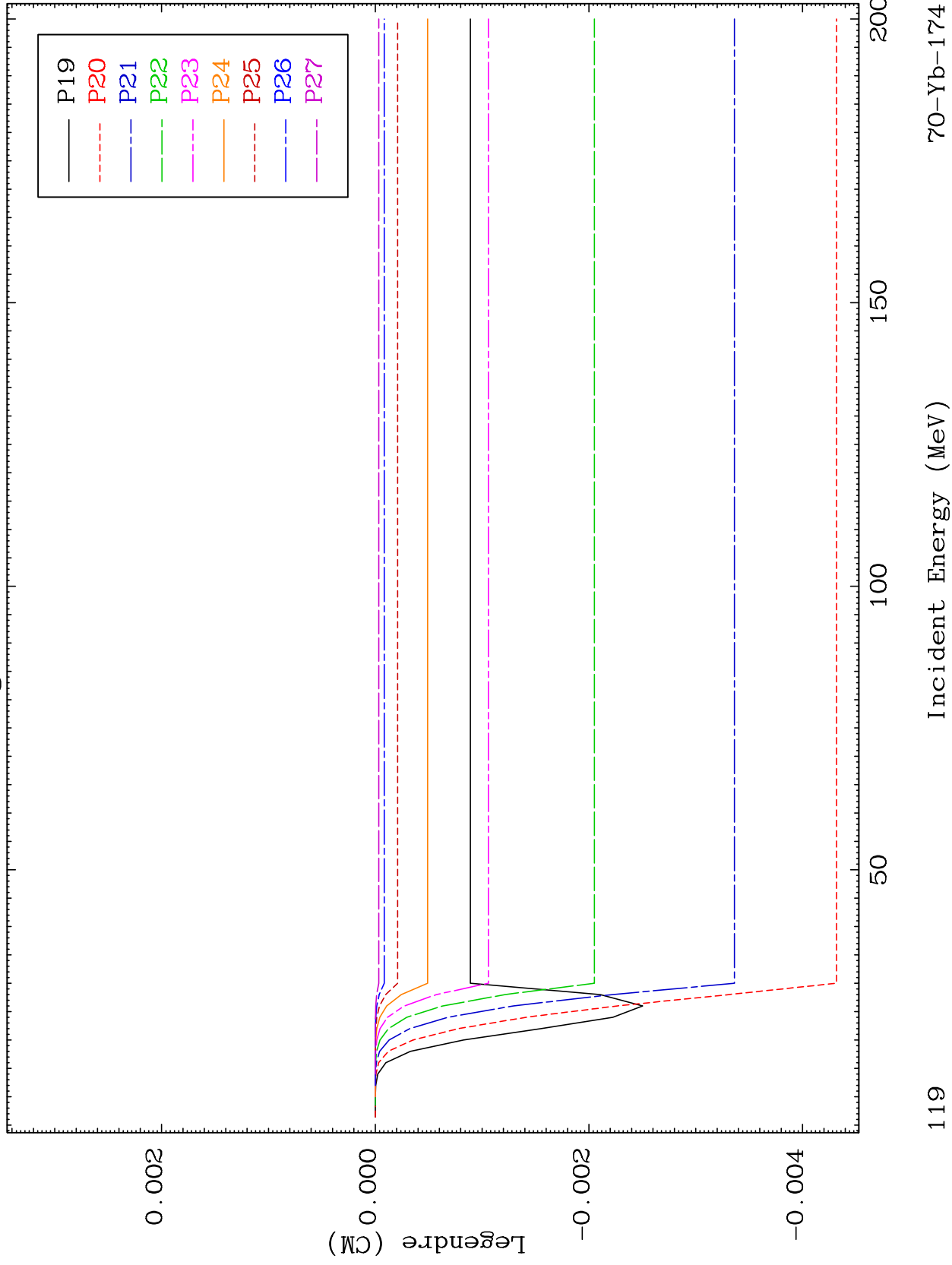
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174

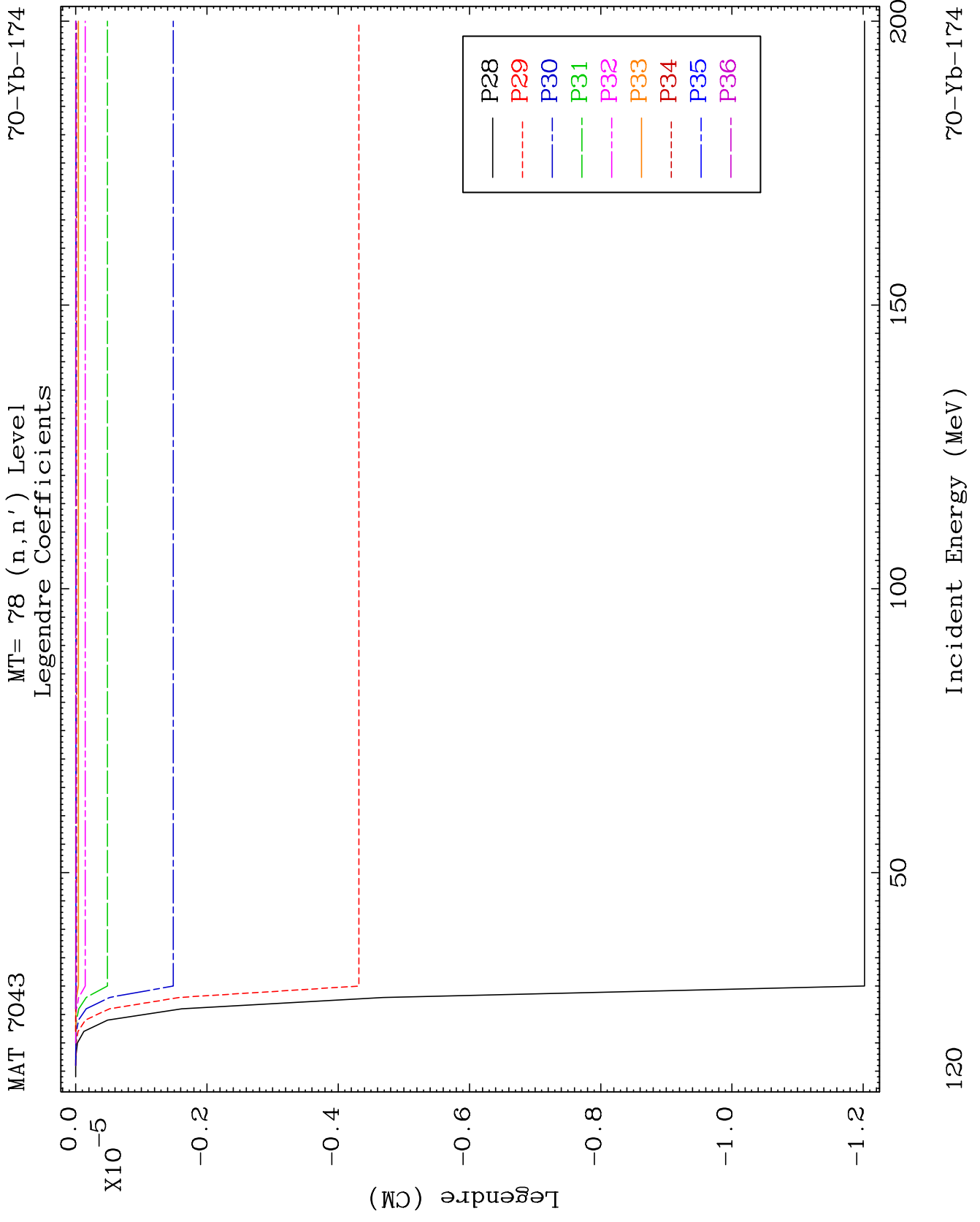


119

Incident Energy (MeV)

70-Yb-174

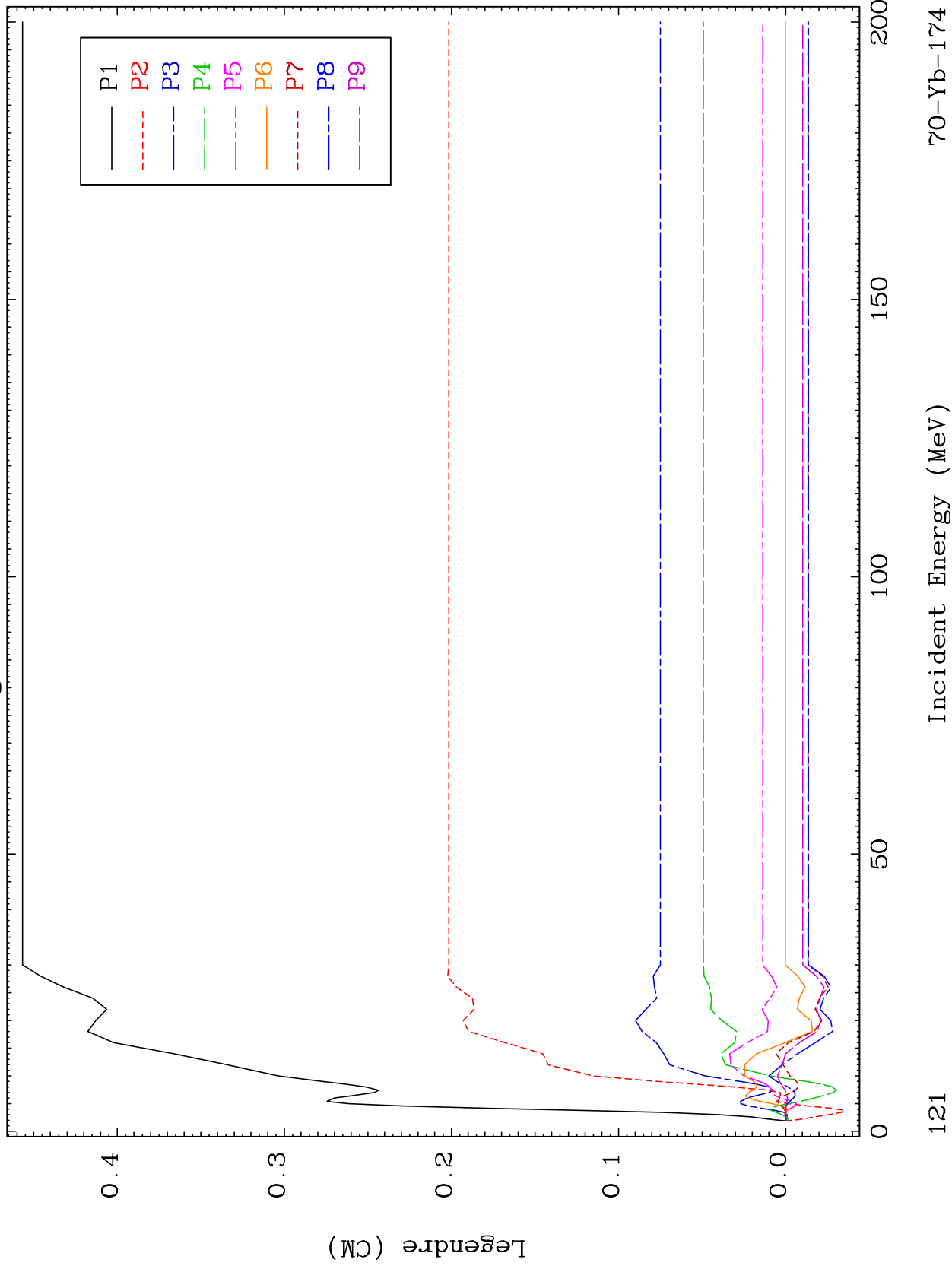




MAT 7043

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

70-Yb-174



121

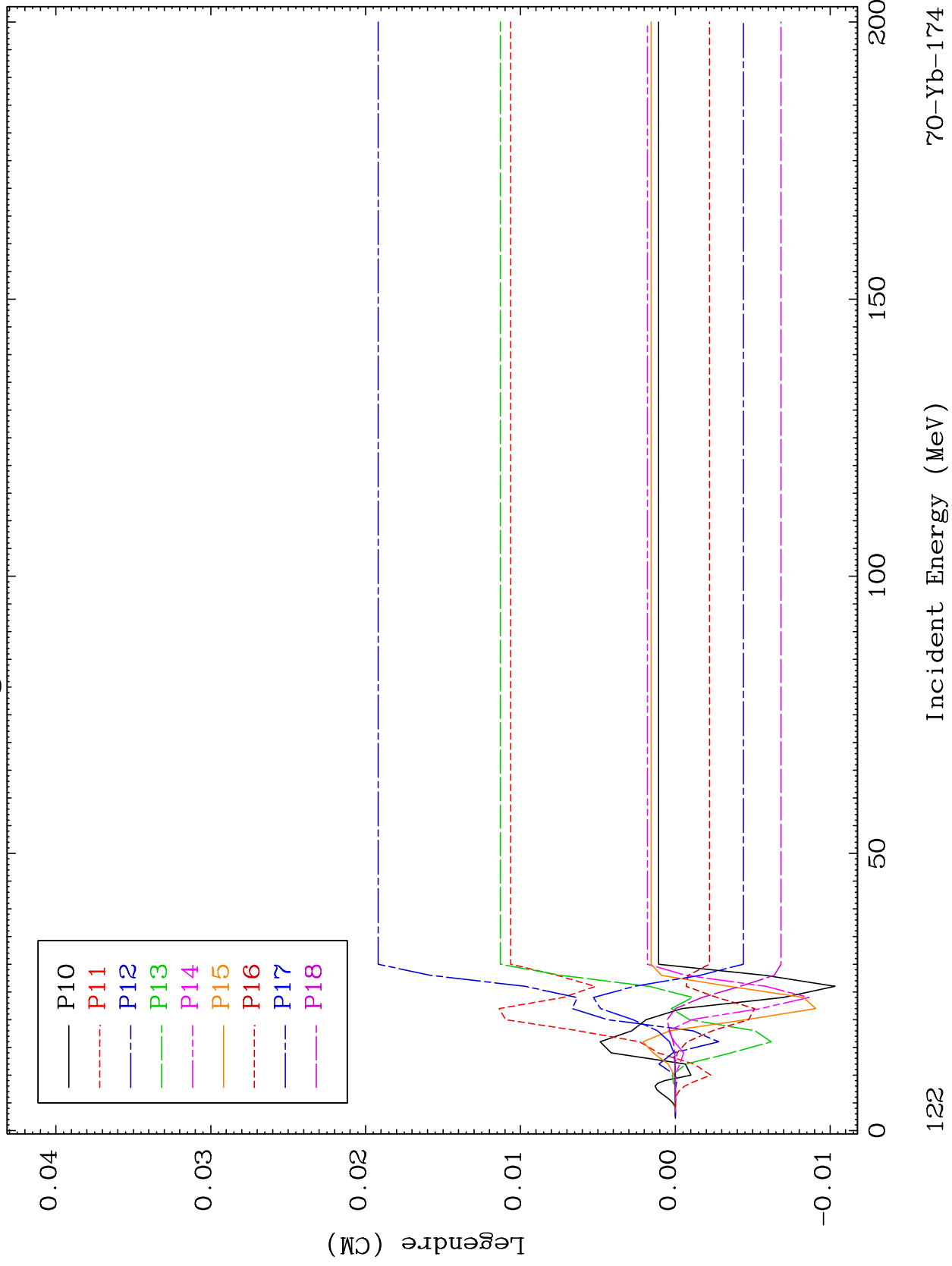
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

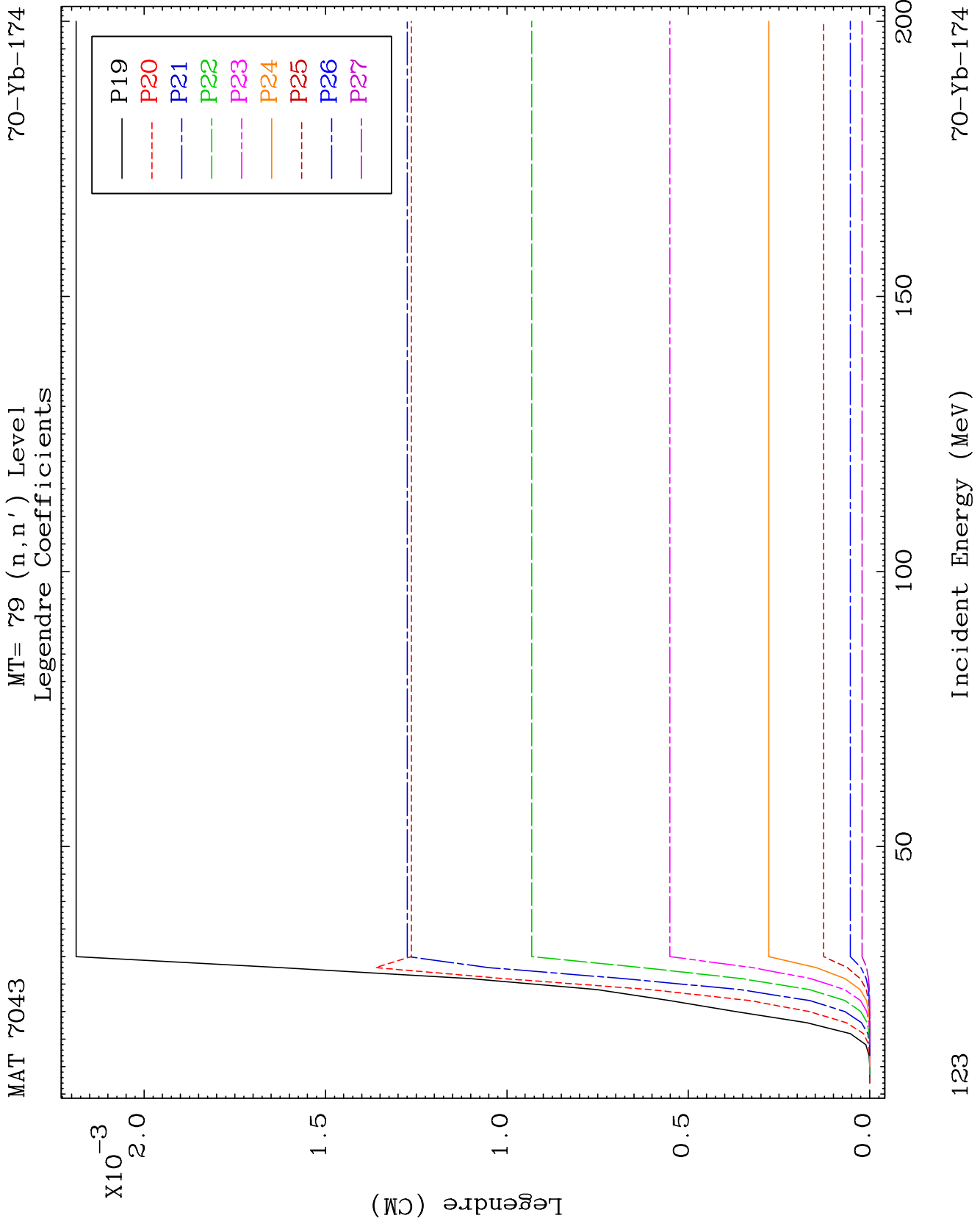
70-Yb-174



70-Yb-174

Incident Energy (MeV)

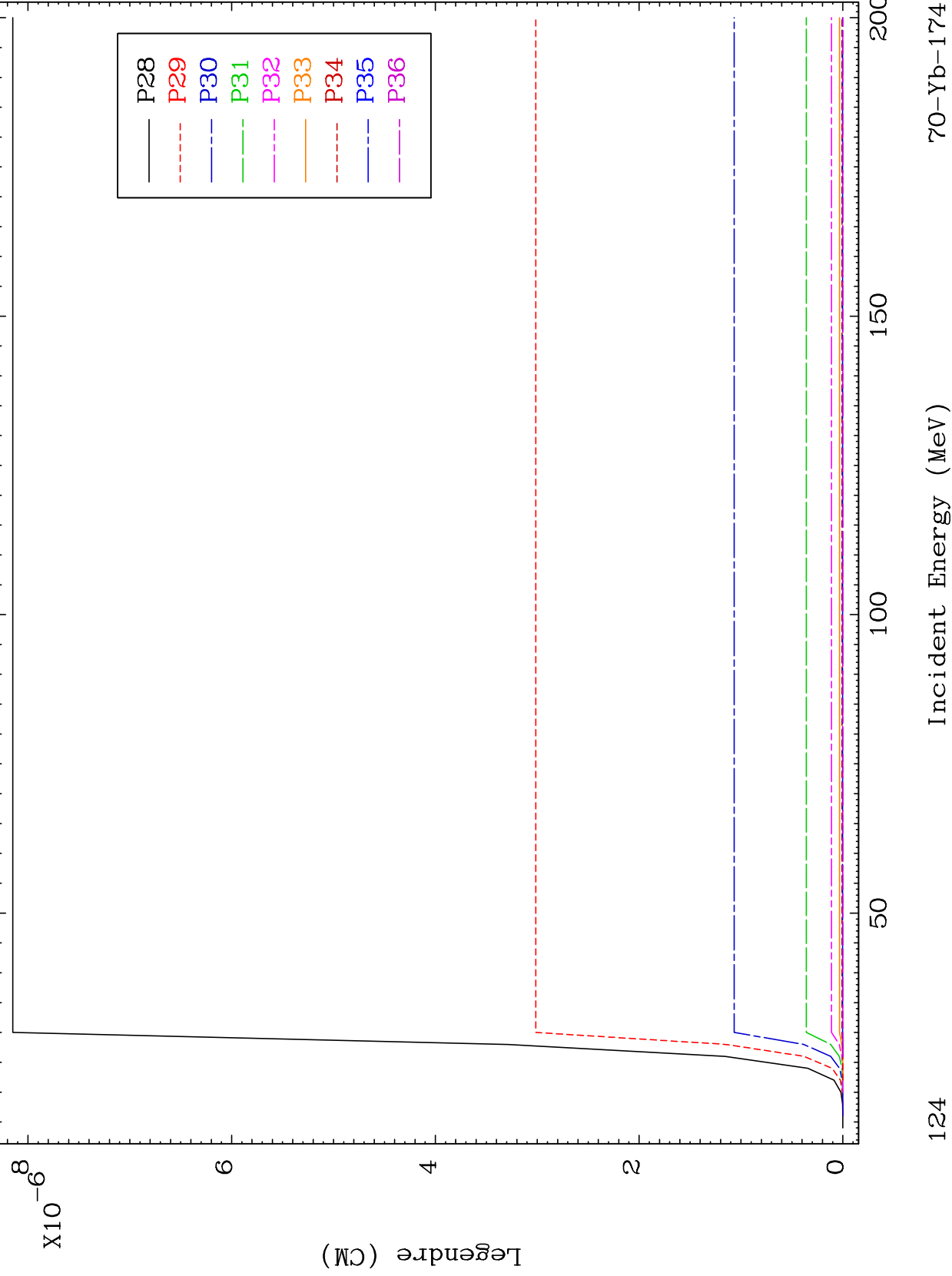
122



MAT 7043

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

70-Yb-174

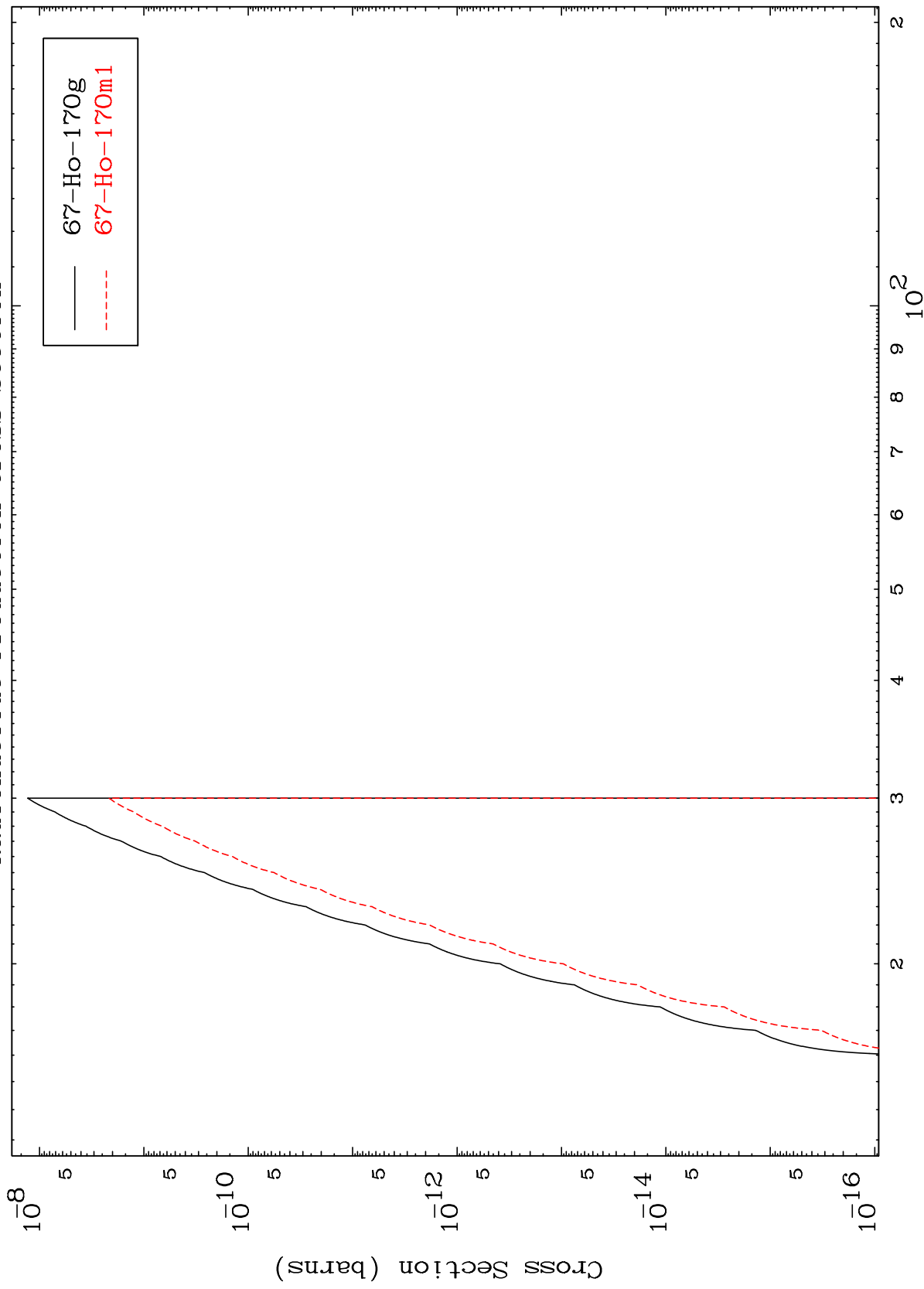


MAT 7043

(n,p)  $\alpha$

70-Yb-174

Radionuclide Production Cross Section



125

Incident Energy (MeV)

70-Yb-174