

Program EVALPLOT  
(Version 2018-1)

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

Web:redcullen1.net/HOMEPAGE.NEW

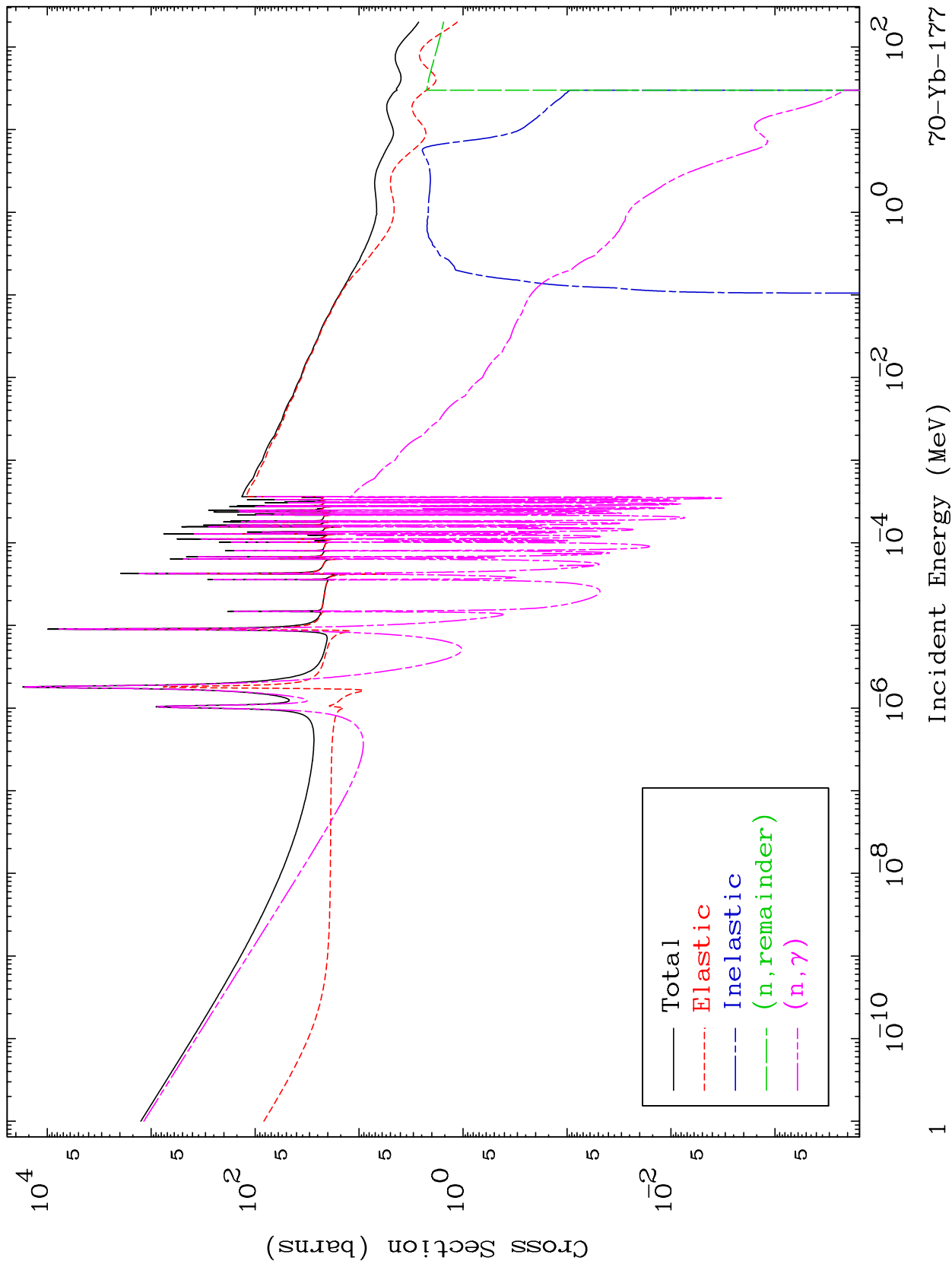
Press Mouse Button to Start

MAT 7052

Major

293 Kelvin Cross Sections

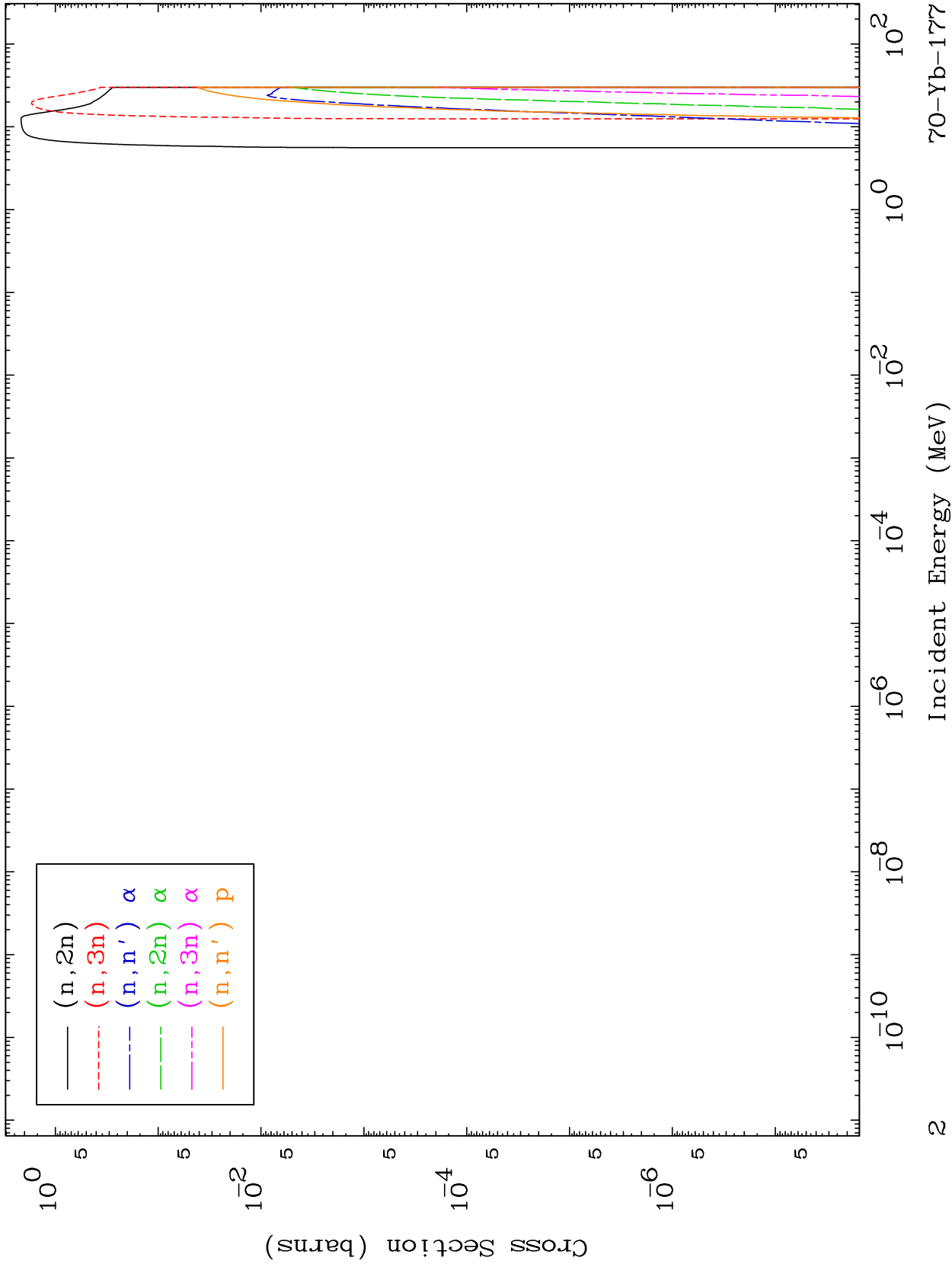
70-Yb-177

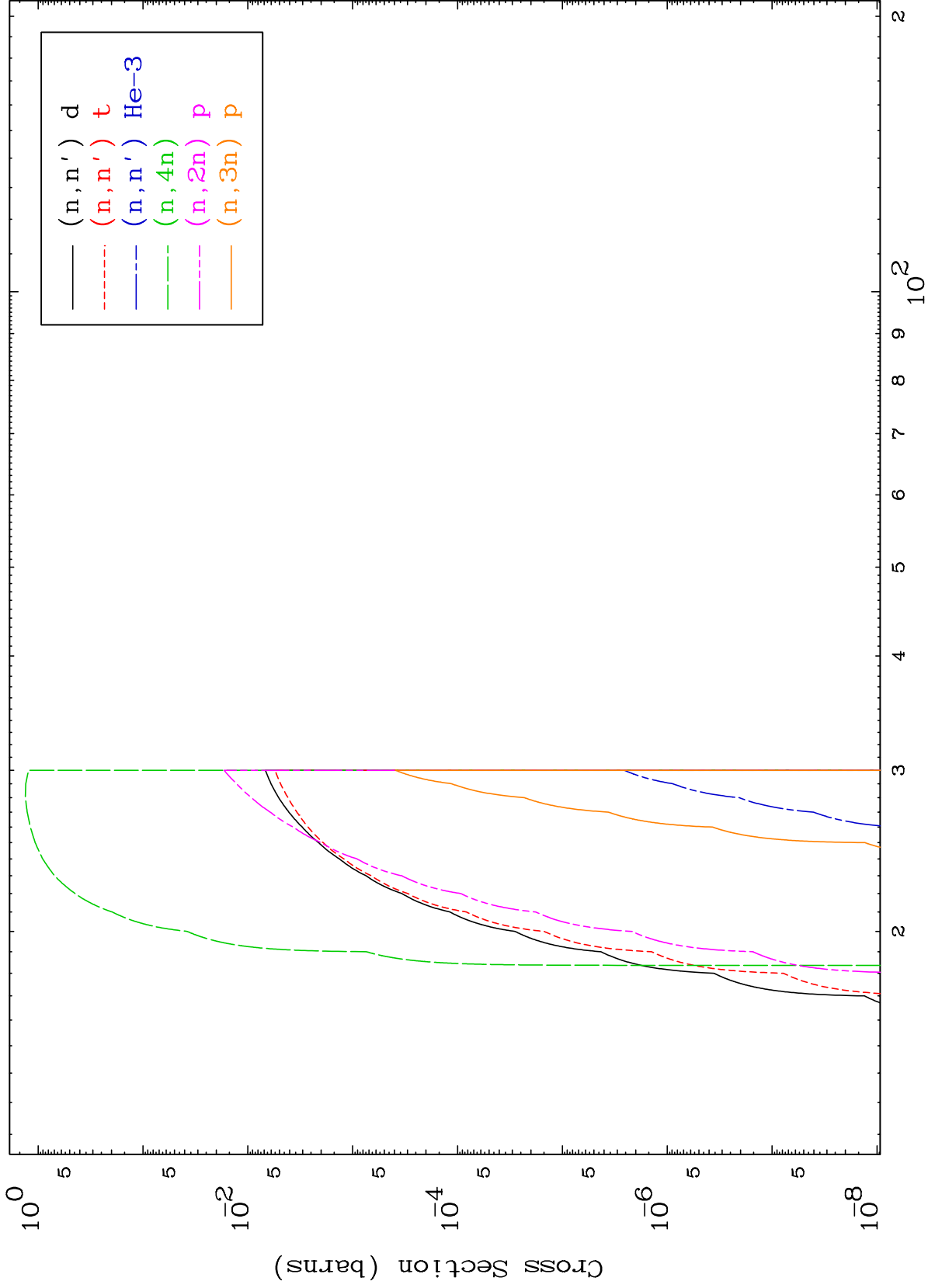


MAT 7052

Neutron Production  
293 Kelvin Cross Sections

70-Yb-177

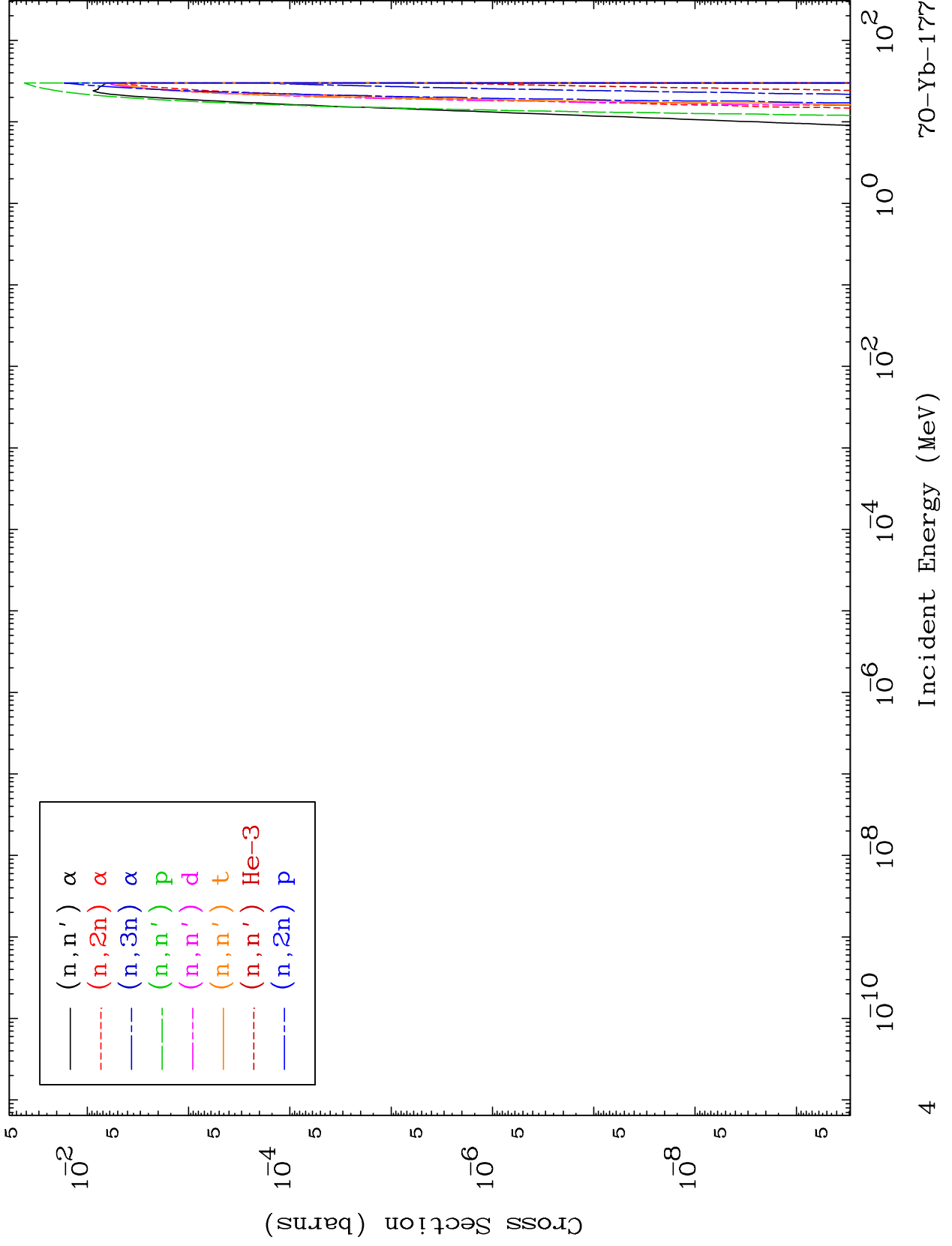




MAT 7052

Charged Particle  
293 Kelvin Cross Sections

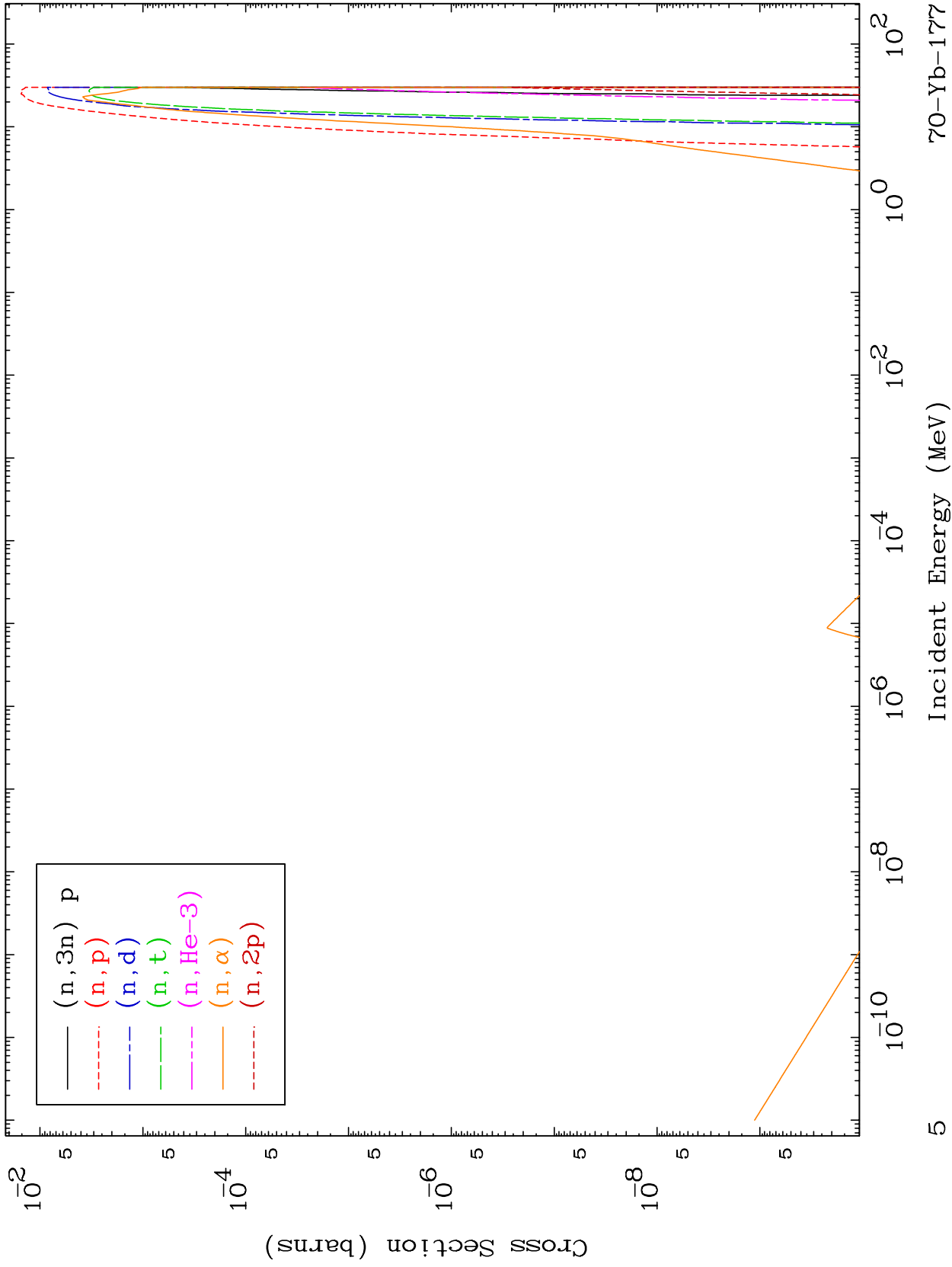
70-Yb-177



MAT 7052

Charged Particle  
293 Kelvin Cross Sections

70-Yb-177

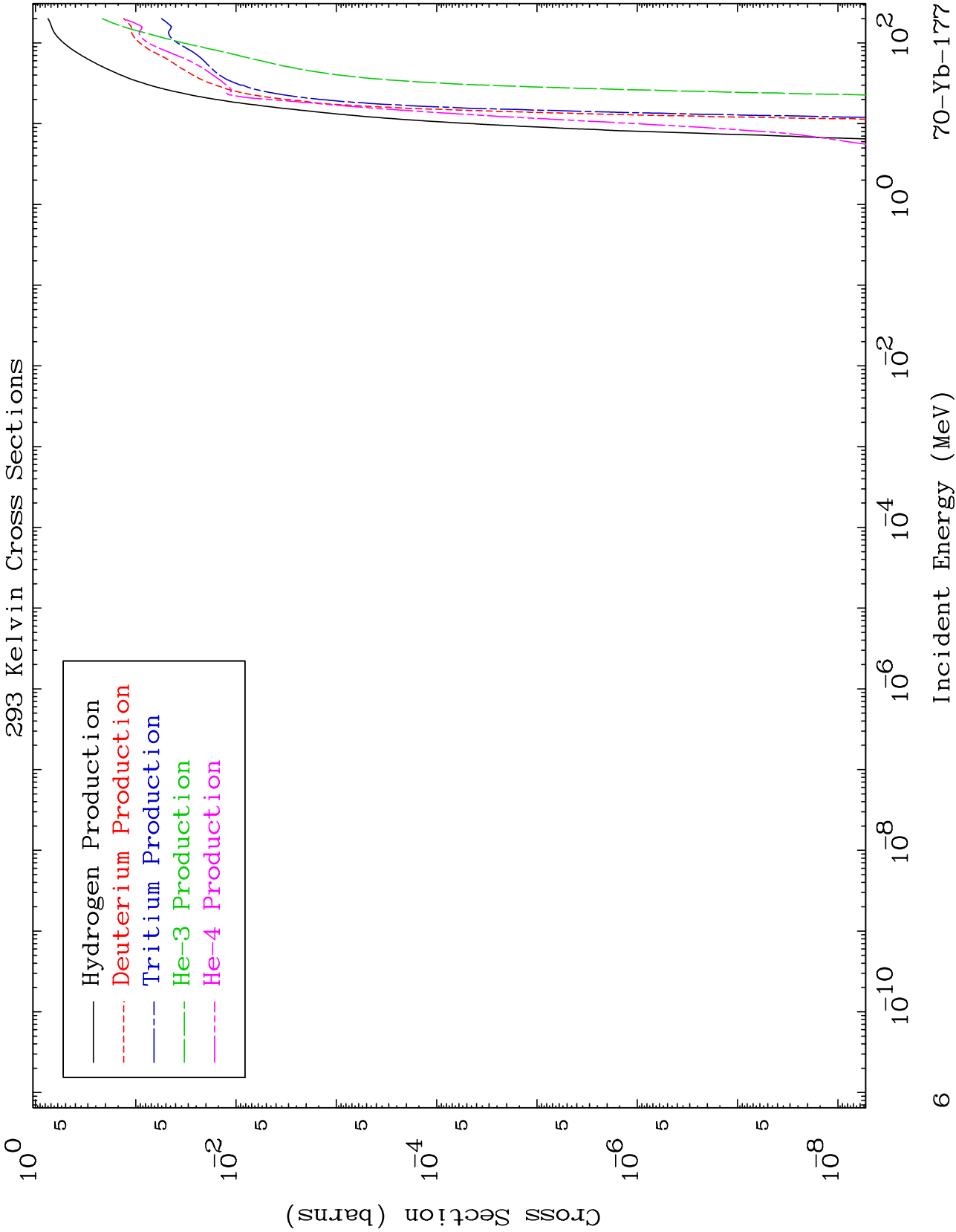


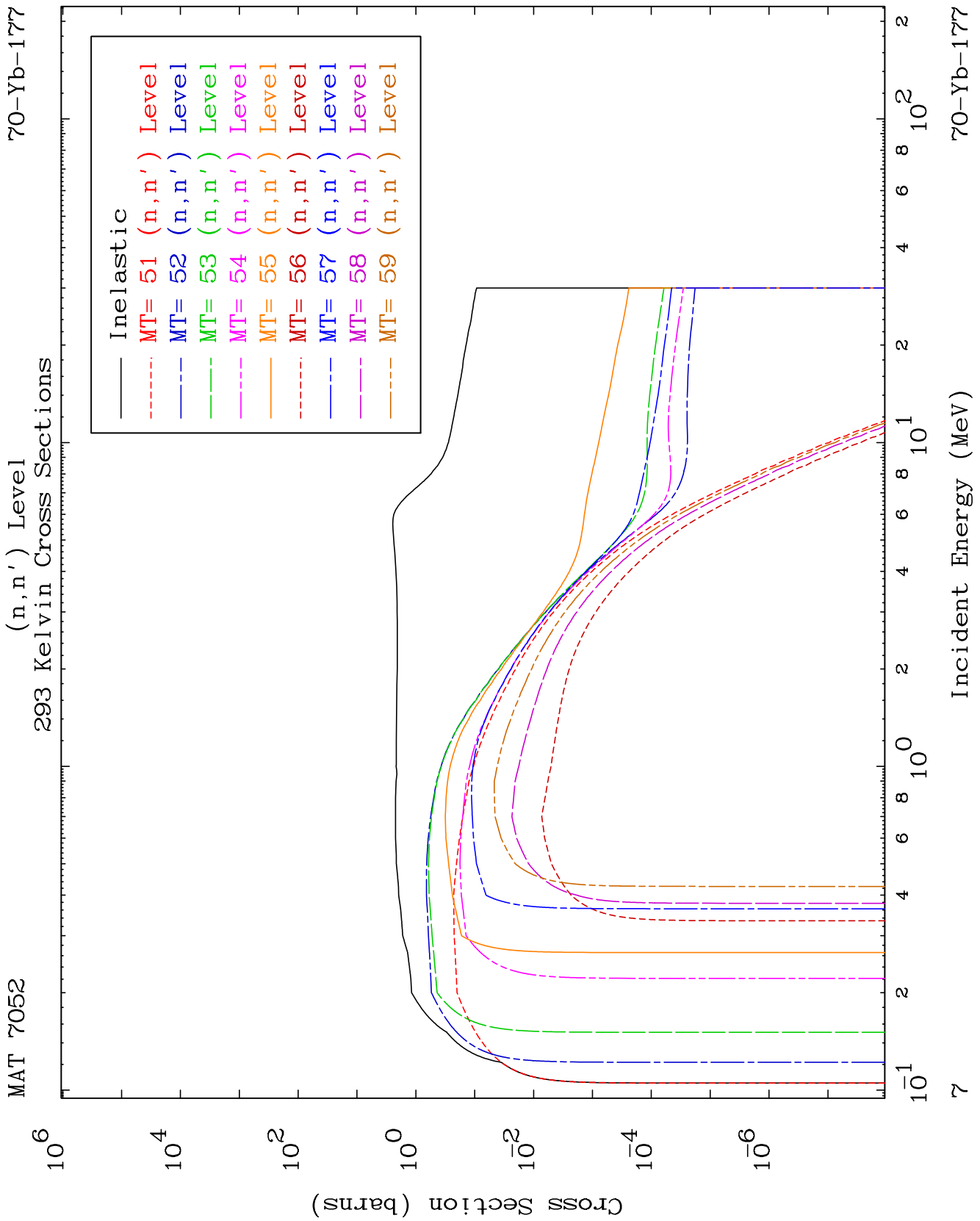
5

MAT 7052

Particle Production  
293 Kelvin Cross Sections

70-Yb-177



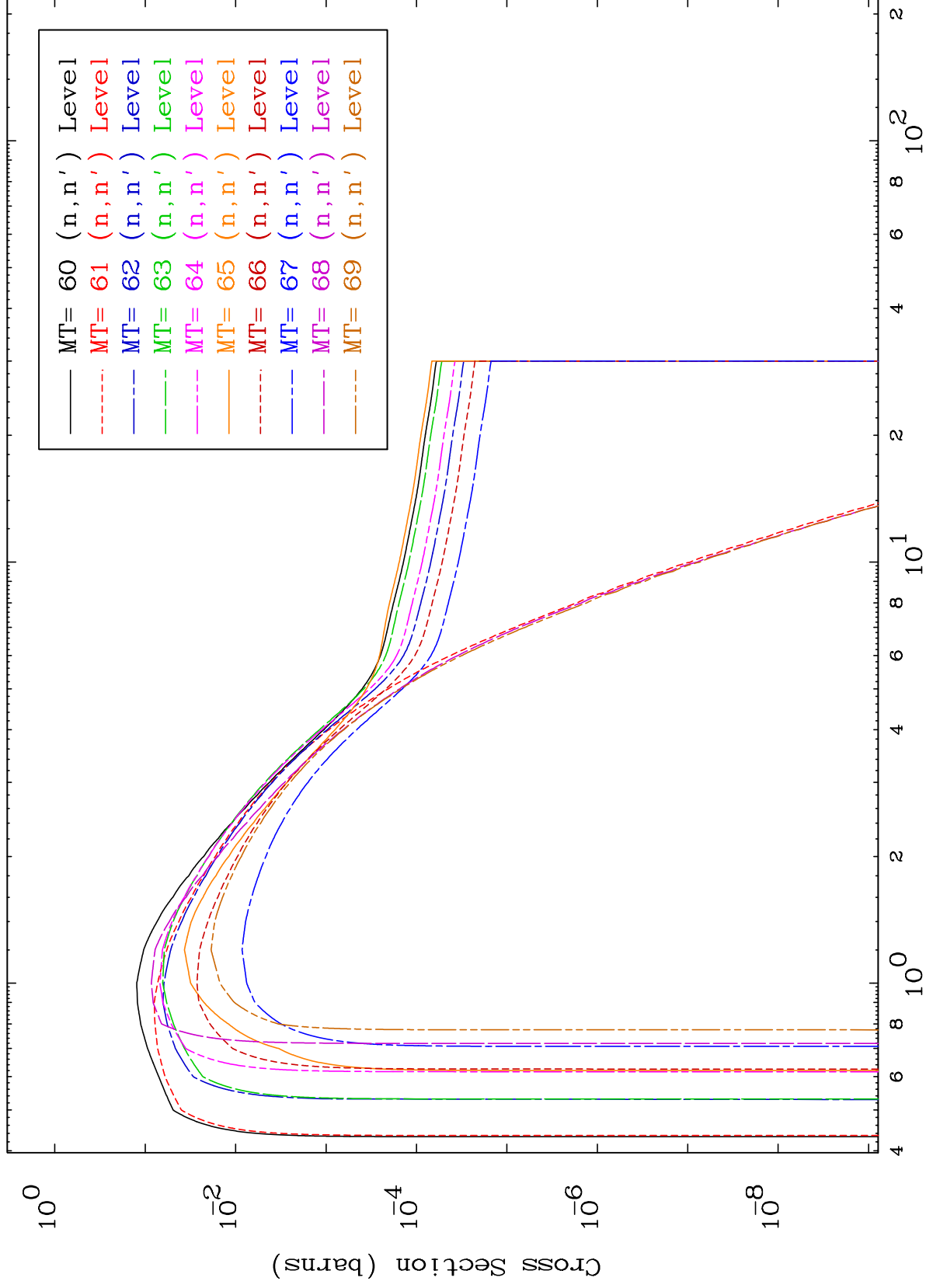


MAT 7052

(n,n') Level

293 Kelvin Cross Sections

70-Yb-177



8

Incident Energy (MeV)

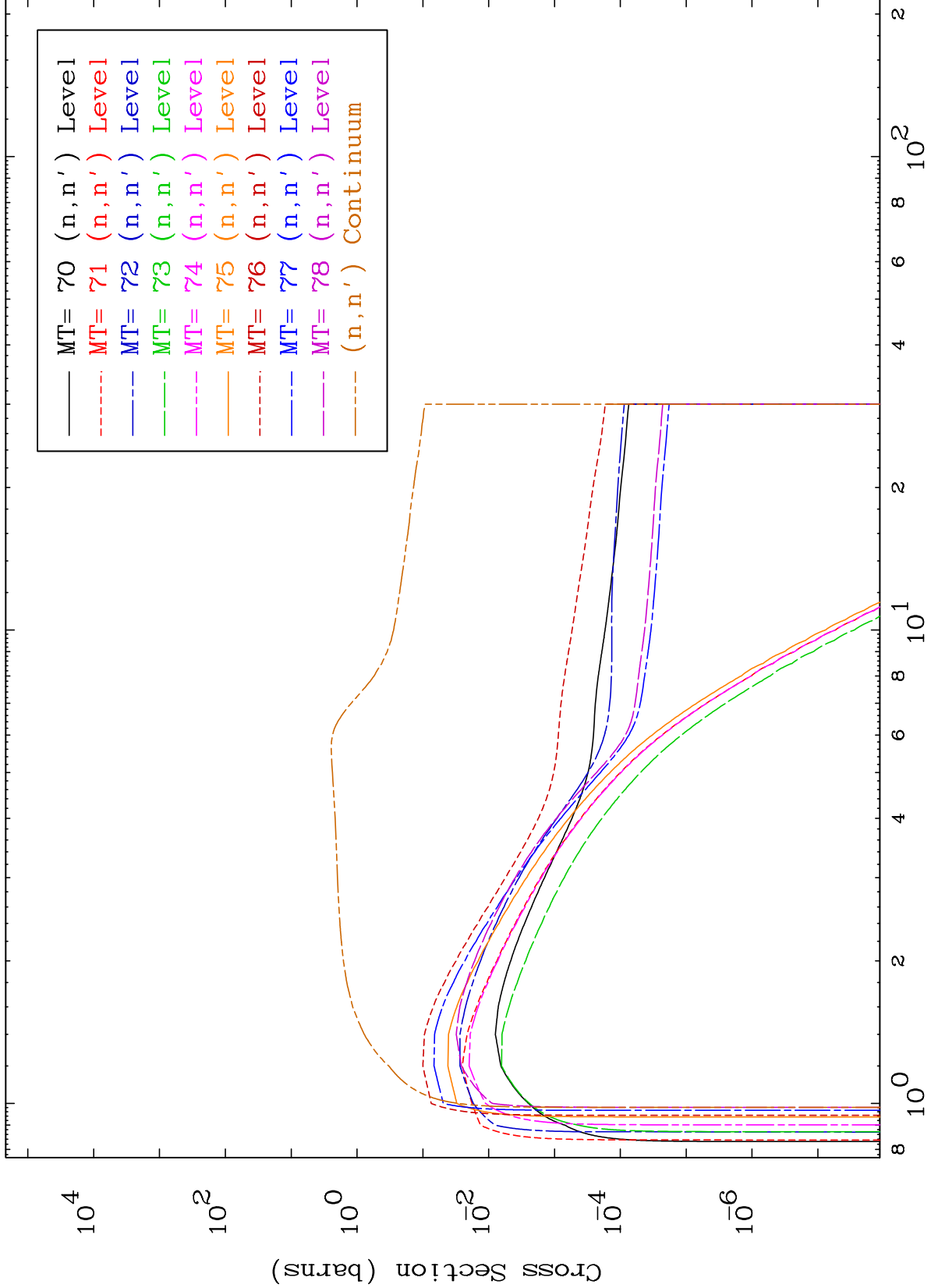
70-Yb-177

MAT 7052

(n,n') Level

70-Yb-177

293 Kelvin Cross Sections



Incident Energy (MeV)

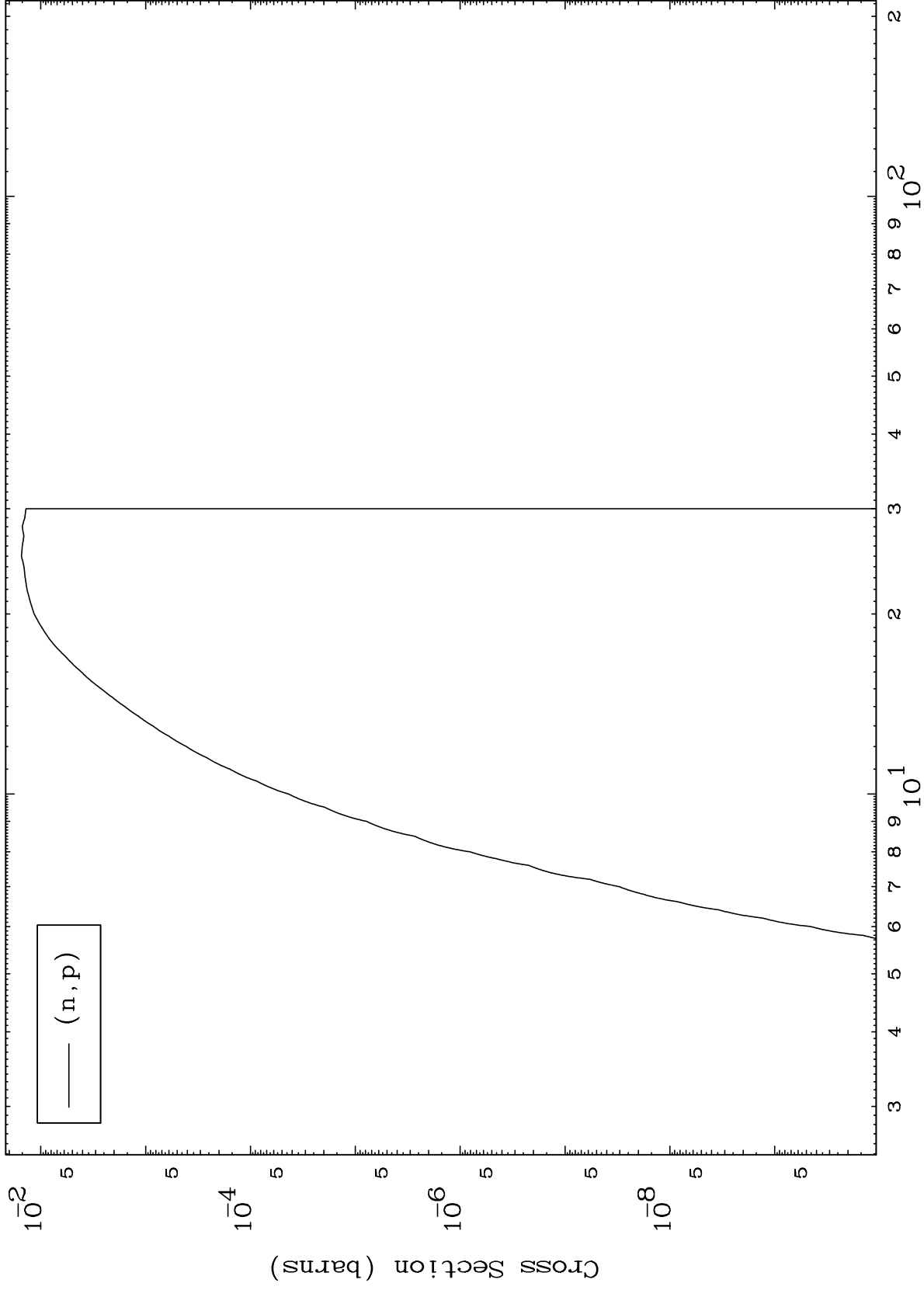
70-Yb-177

9

MAT 7052

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-177



10

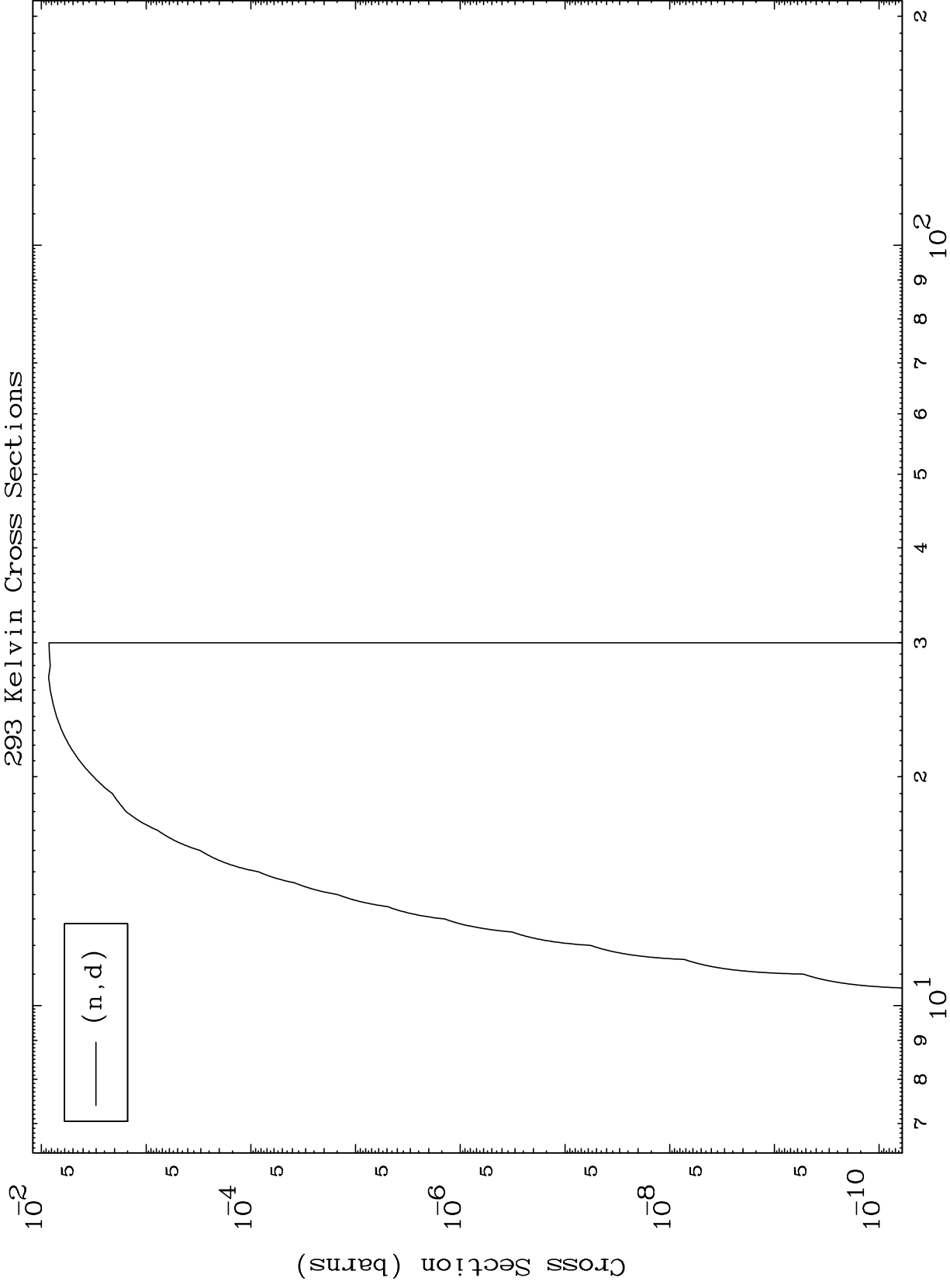
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-177



11

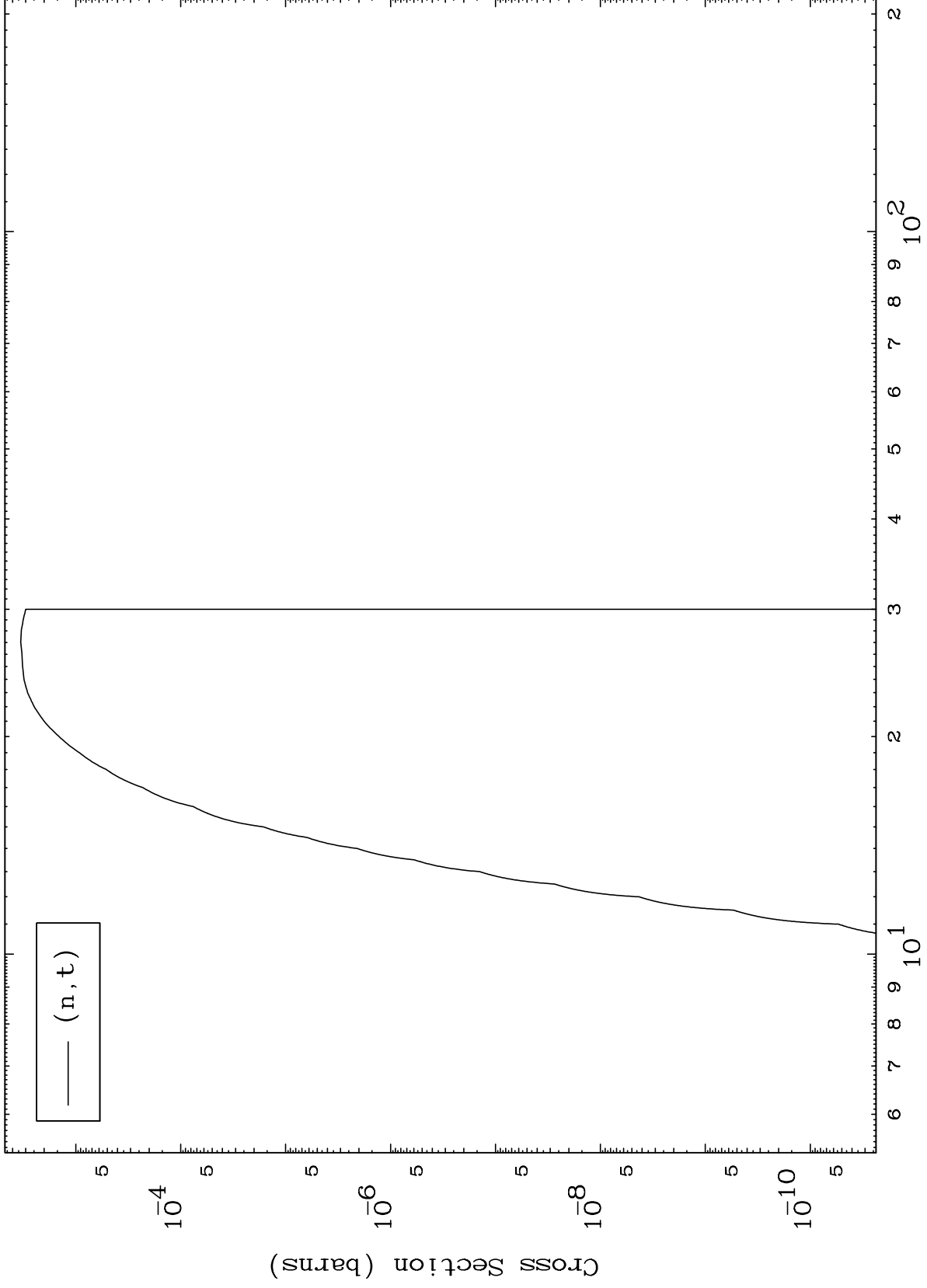
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-177



12

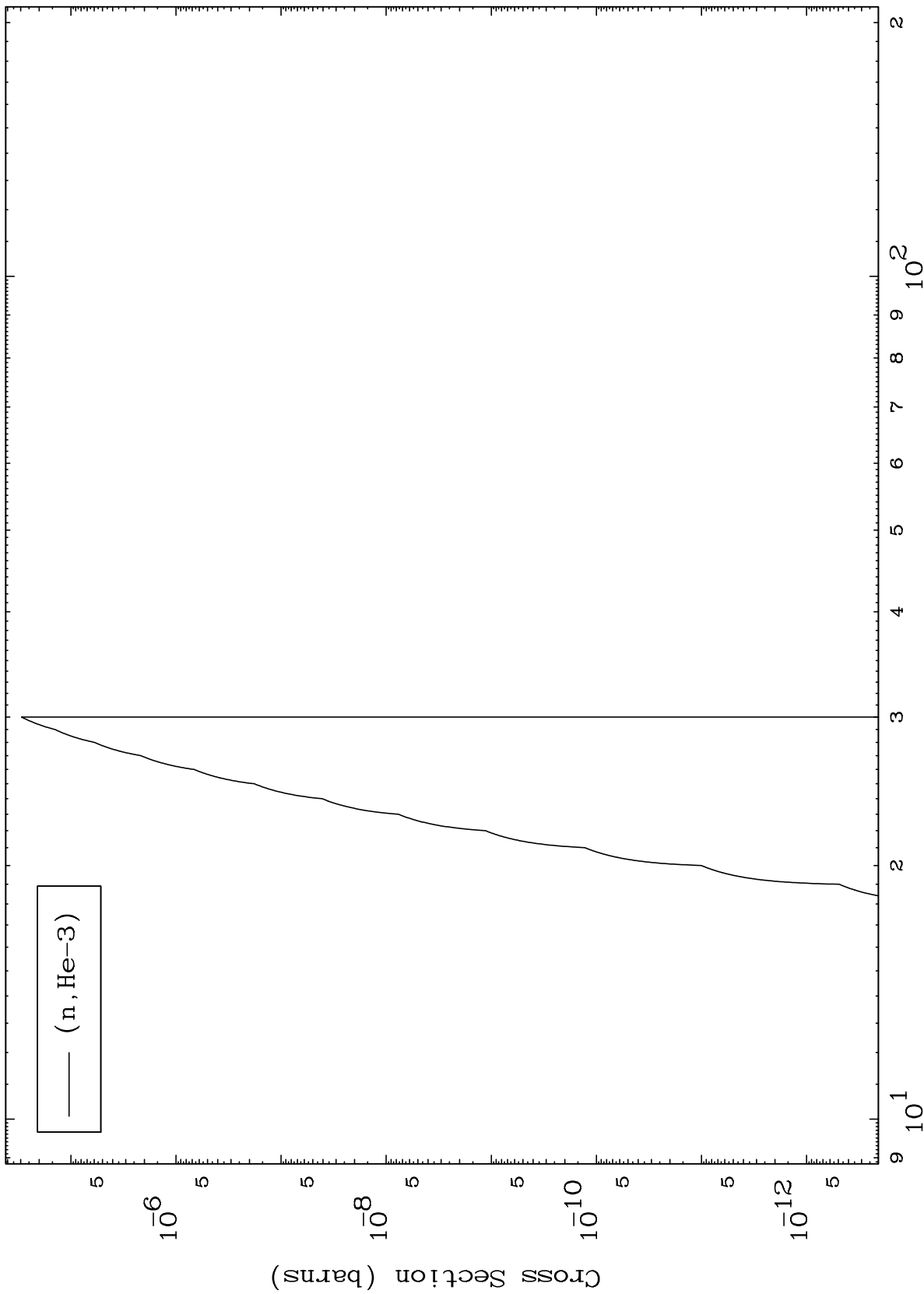
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-177



13

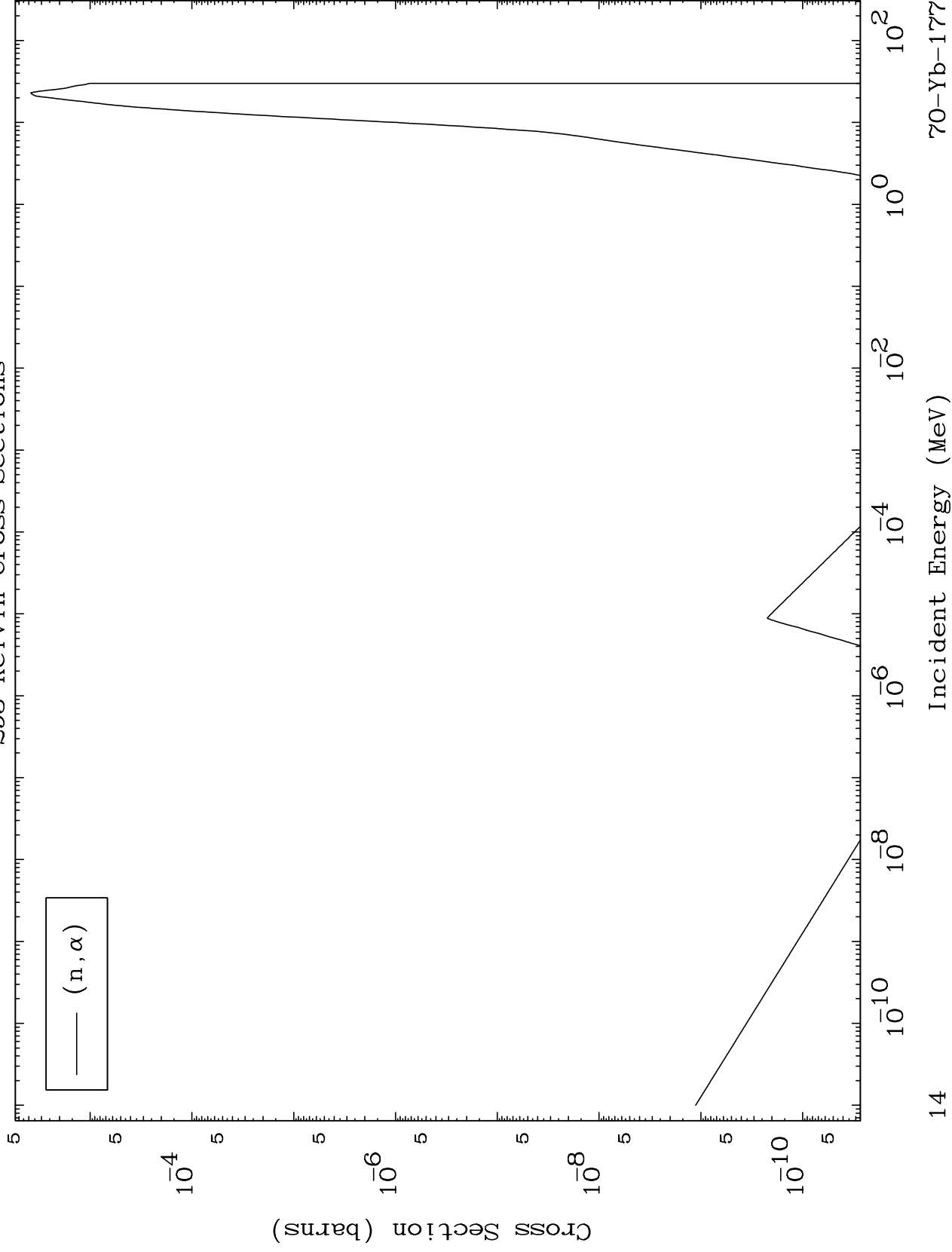
Incident Energy (MeV)

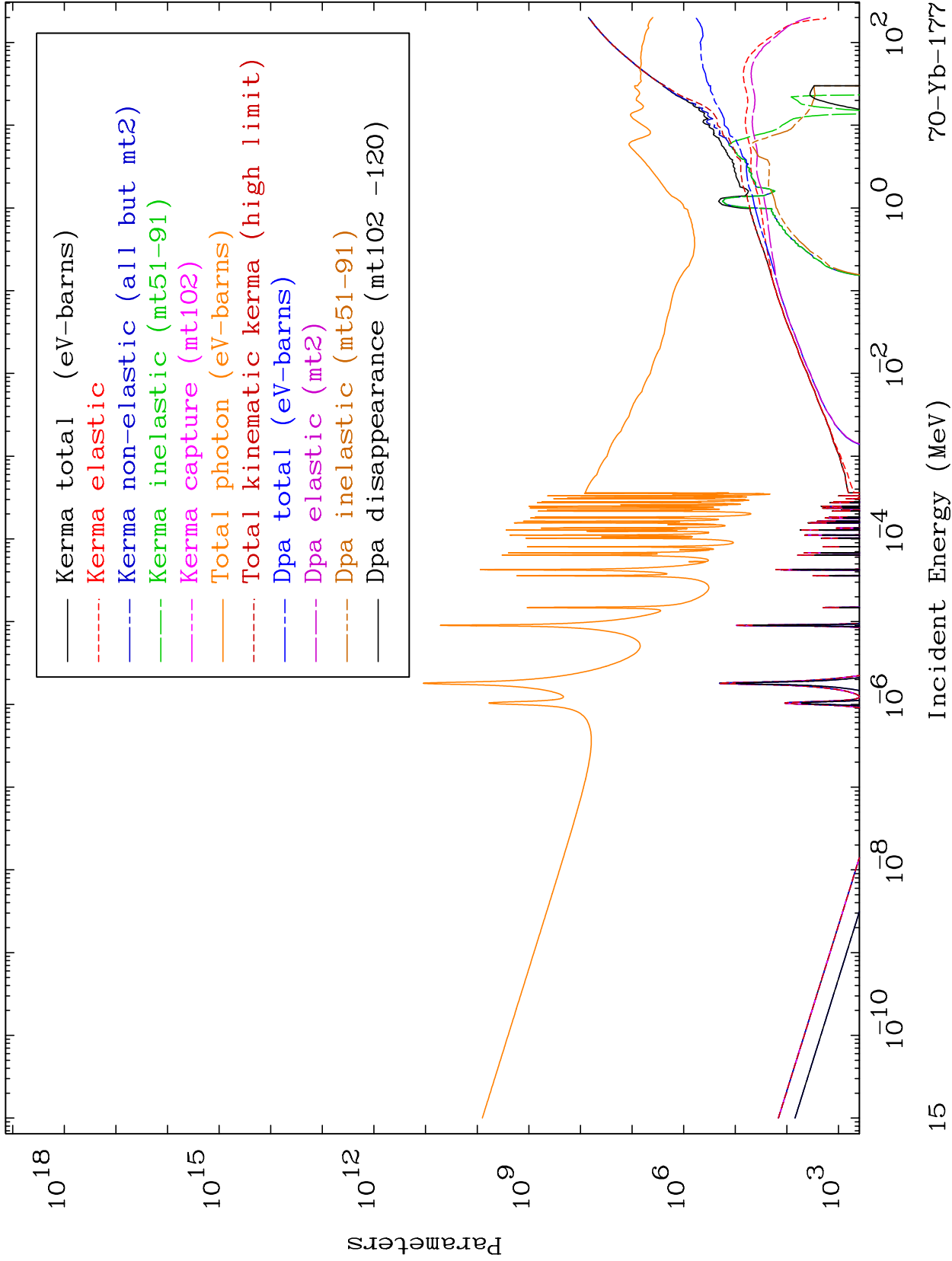
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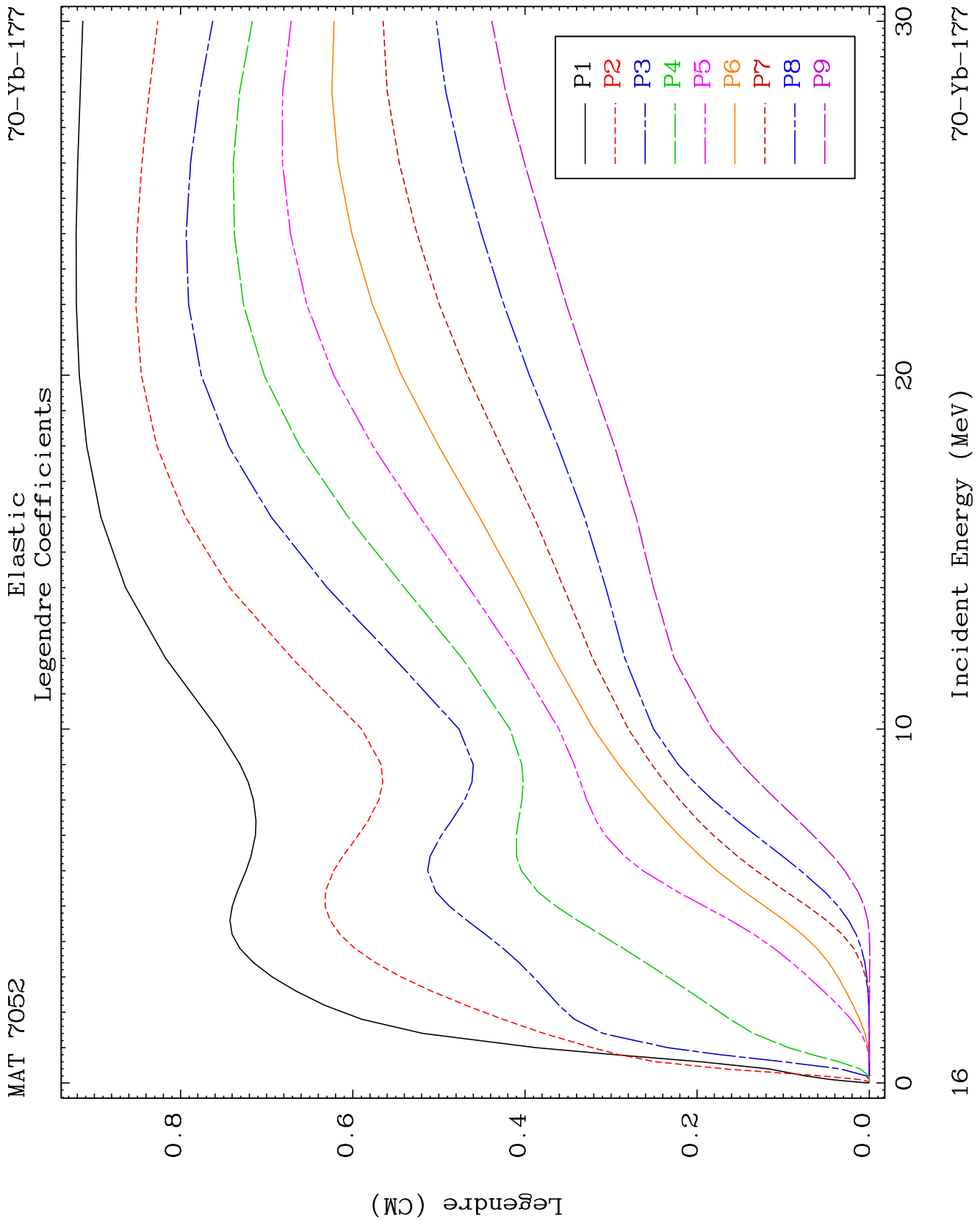
MAT 7052

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

70-Yb-177



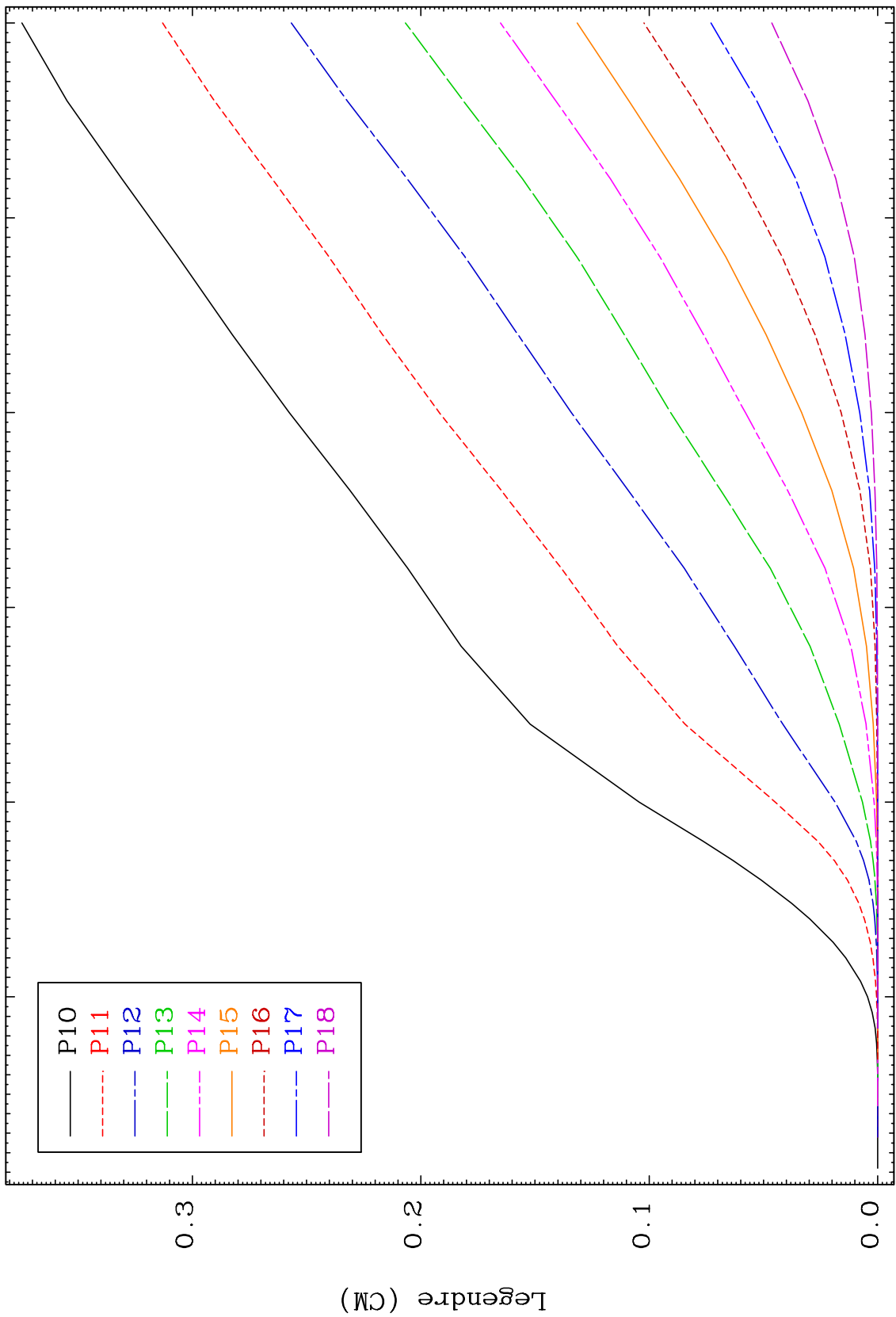




MAT 7052

Elastic Legendre Coefficients

70-Yb-177



17

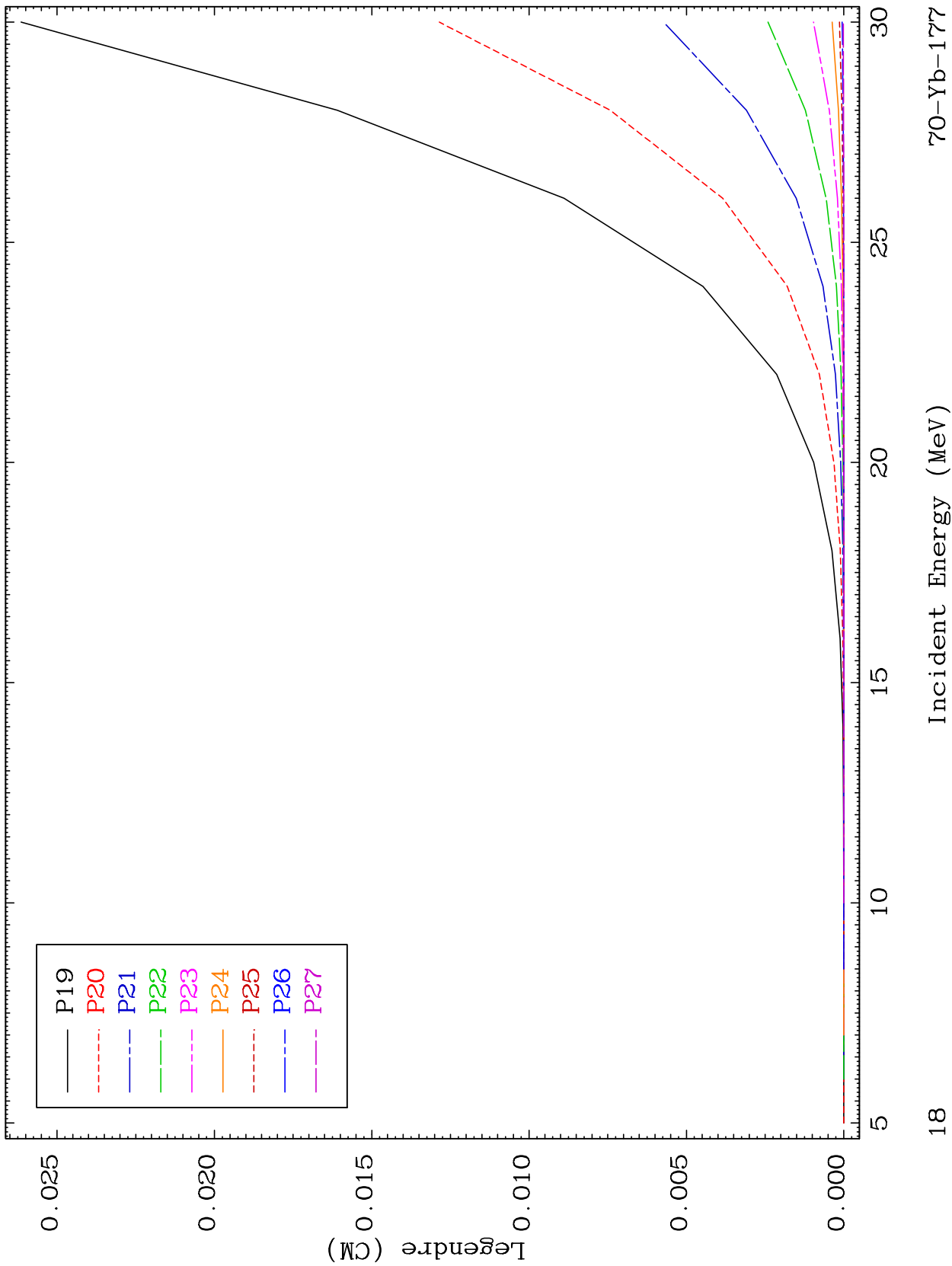
Incident Energy (MeV)

70-Yb-177

MAT 7052

Elastic Legendre Coefficients

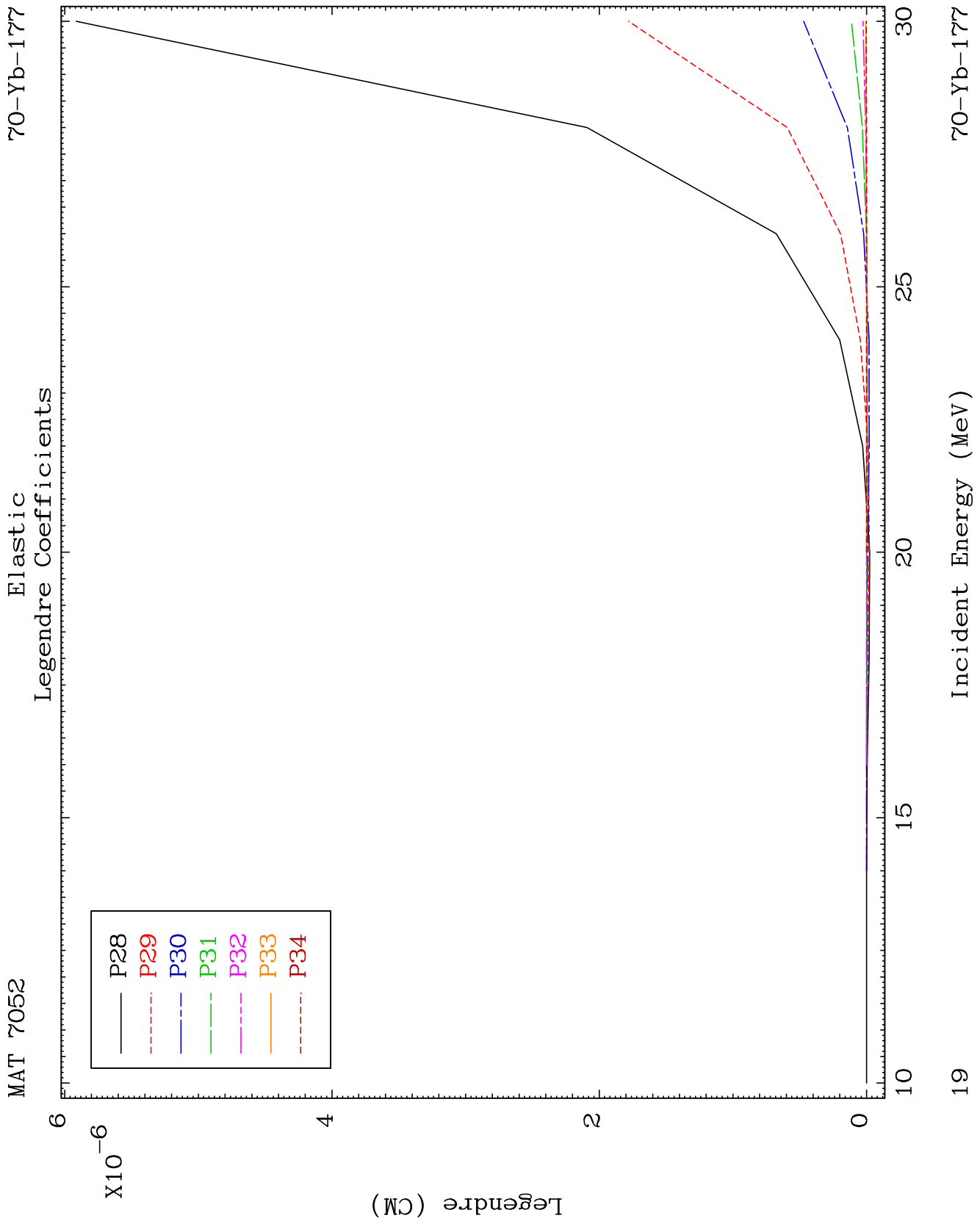
70-Yb-177



70-Yb-177

Incident Energy (MeV)

18

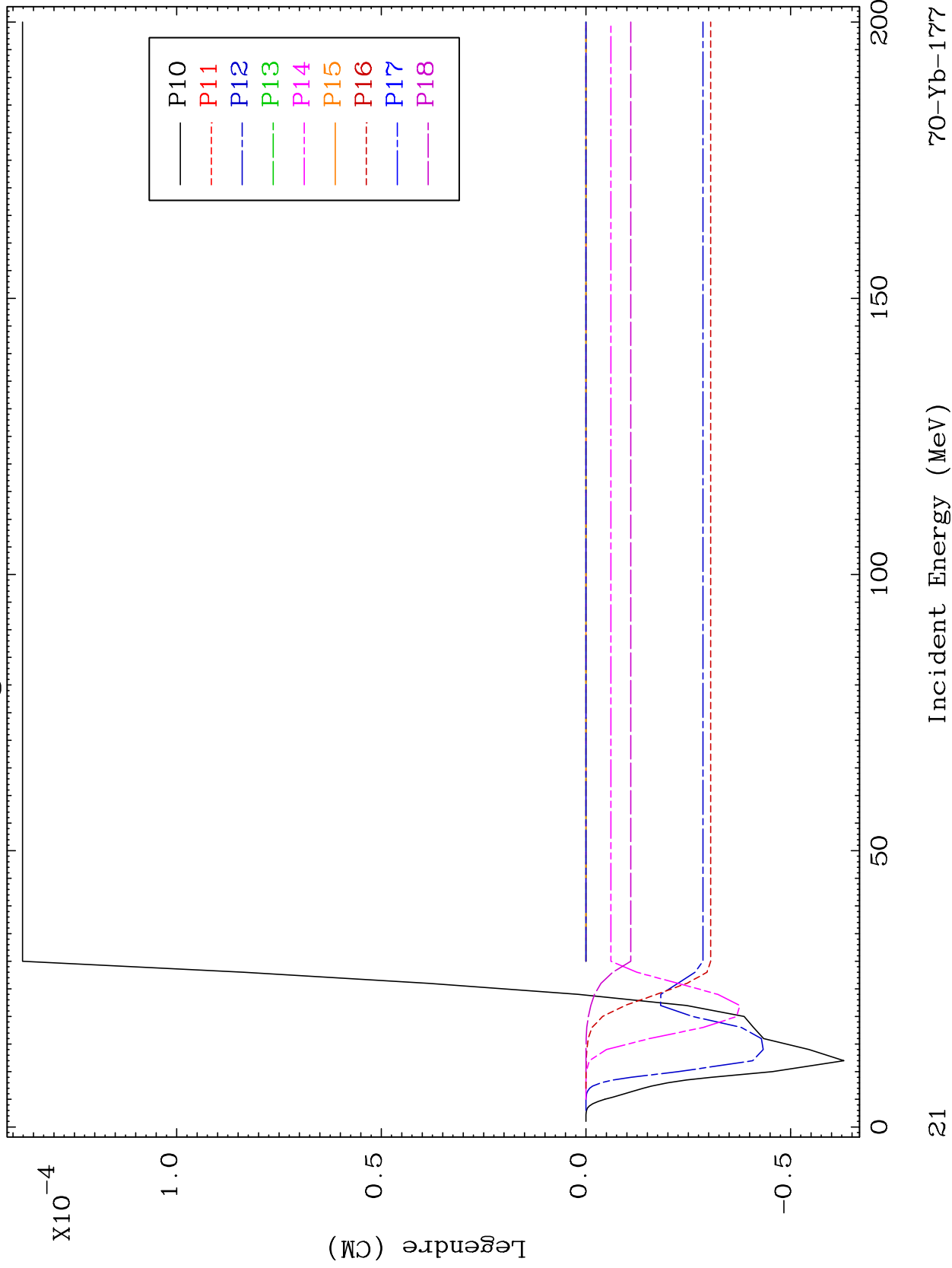




MAT 7052

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

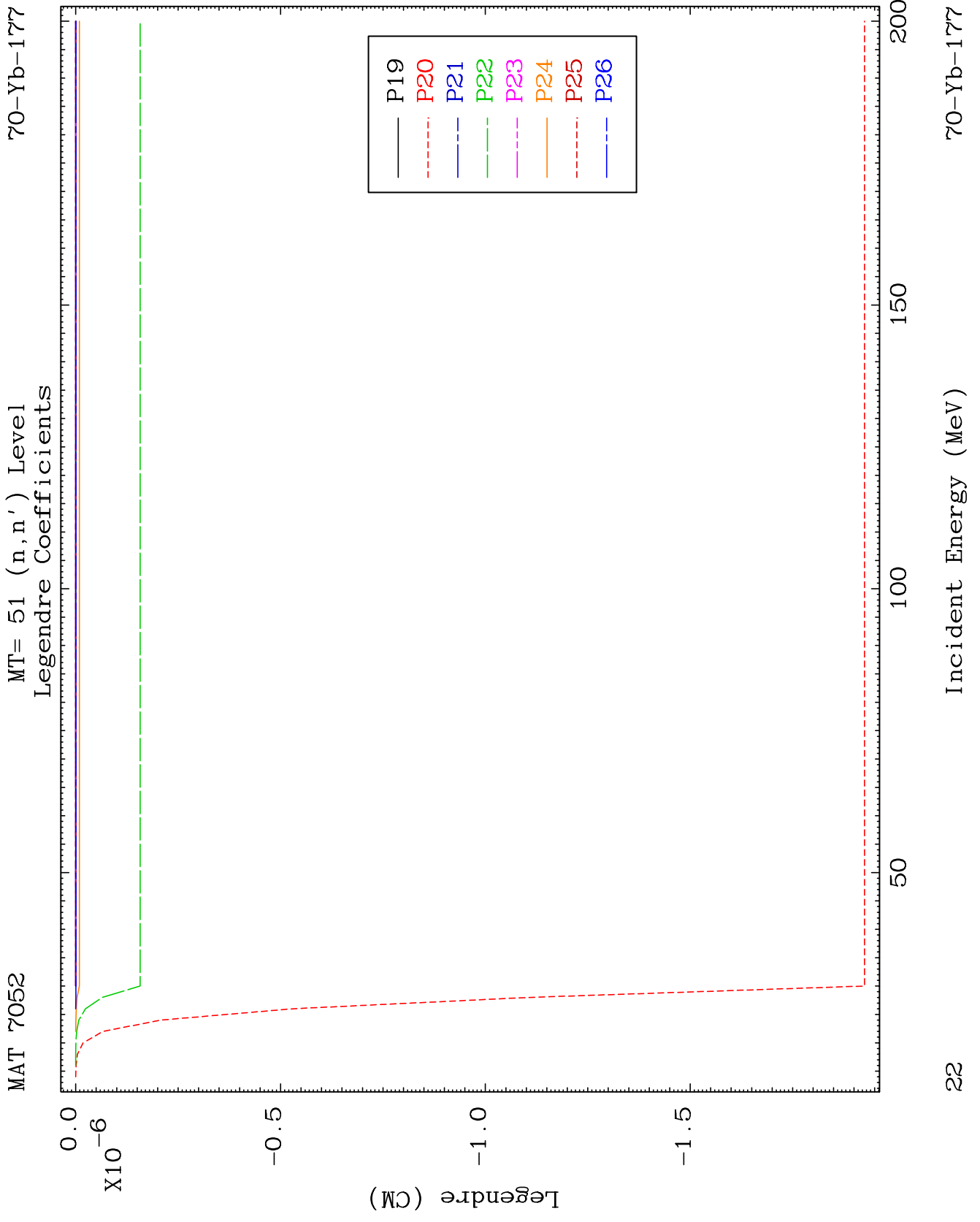
70-Yb-177



21

Incident Energy (MeV)

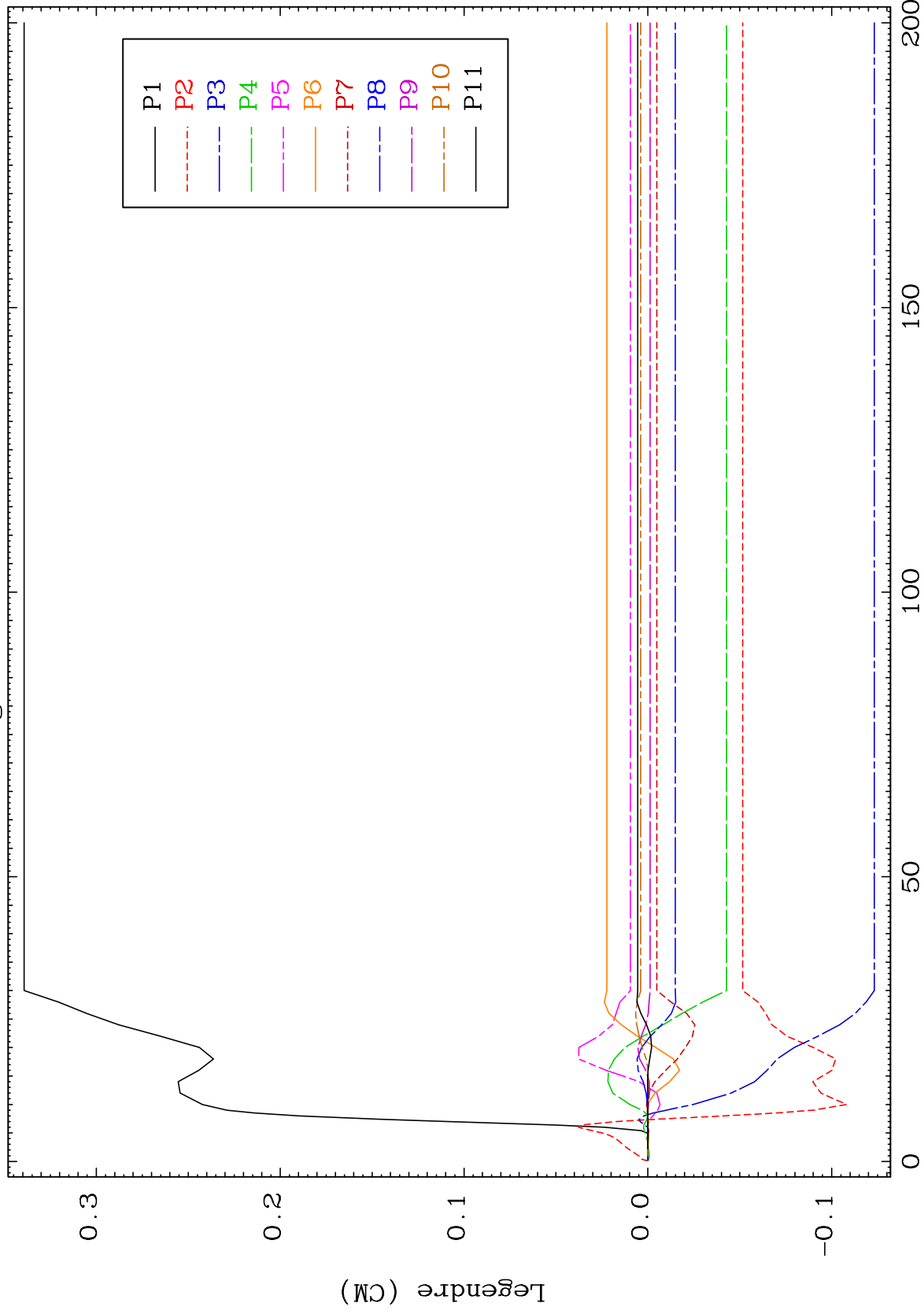
70-Yb-177



MAT 7052

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

70-Yb-177



23

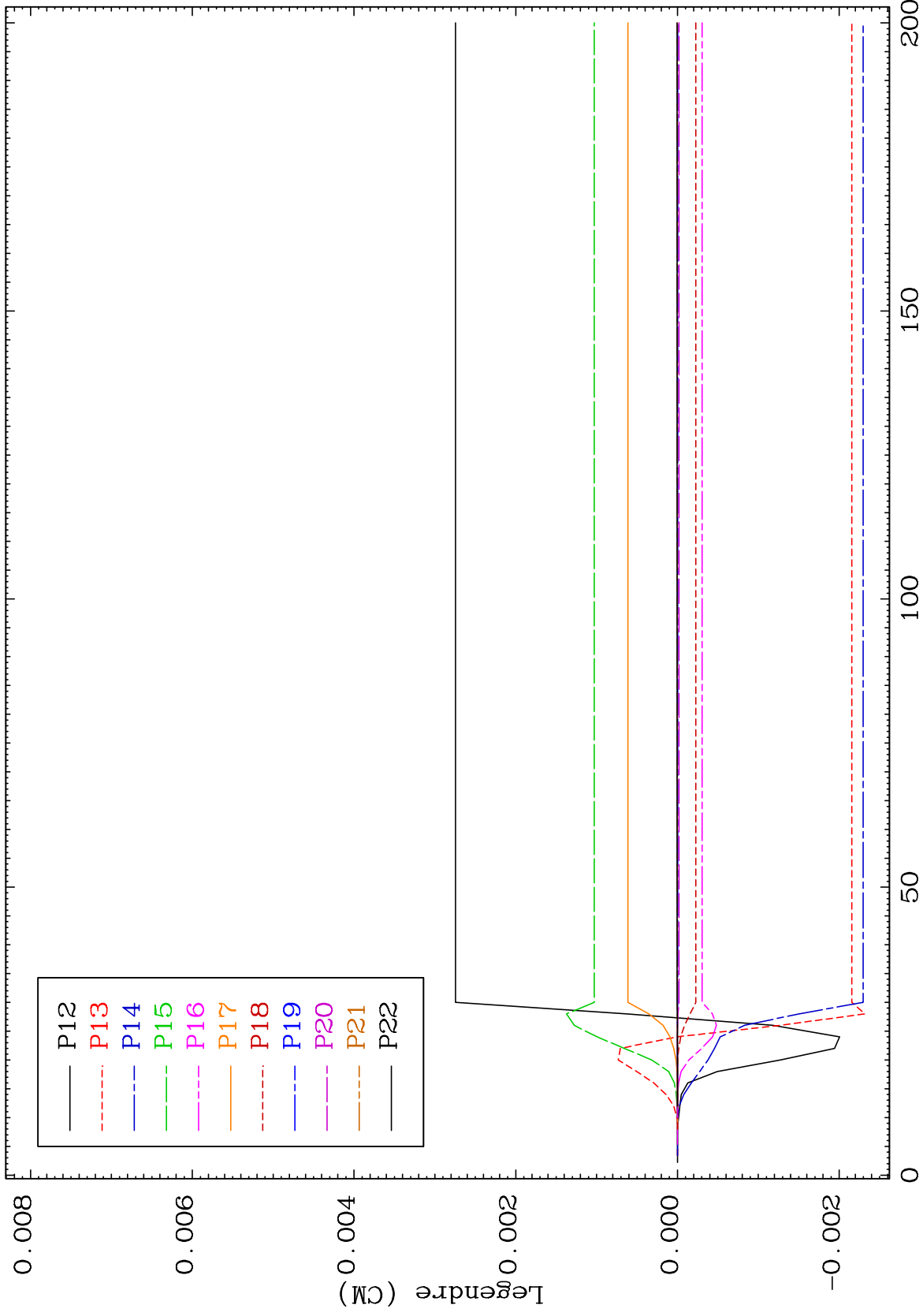
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



24

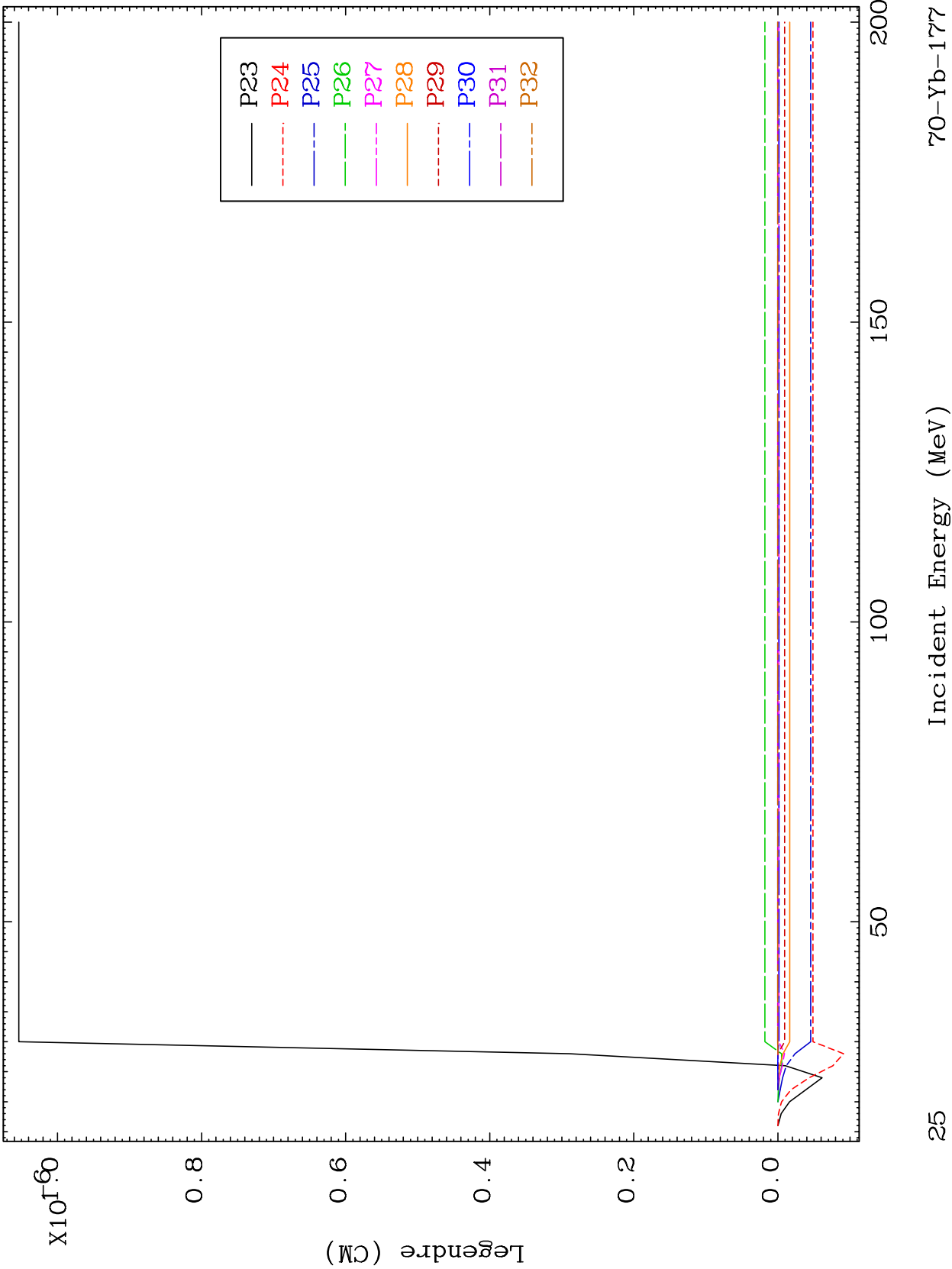
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



25

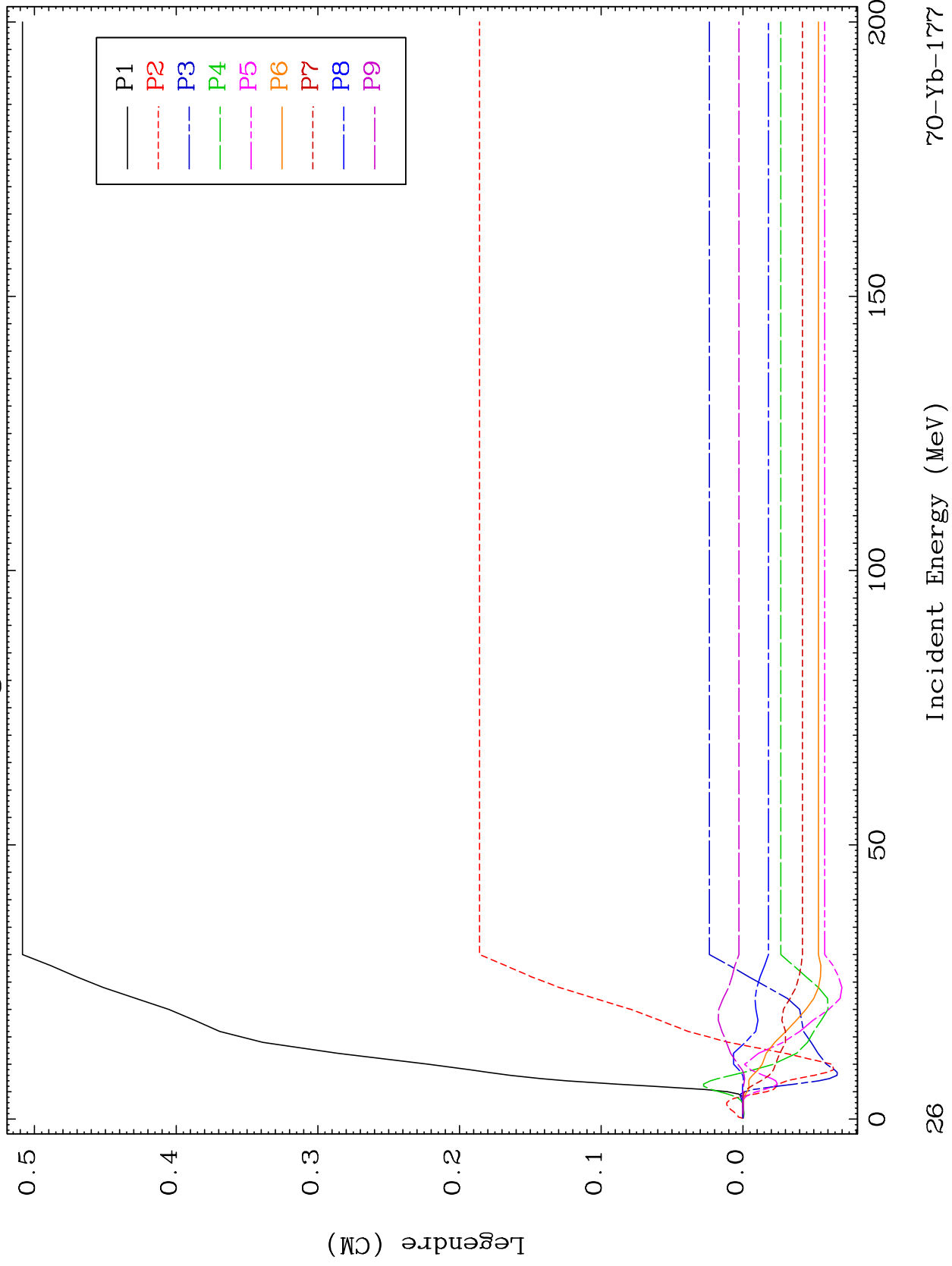
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

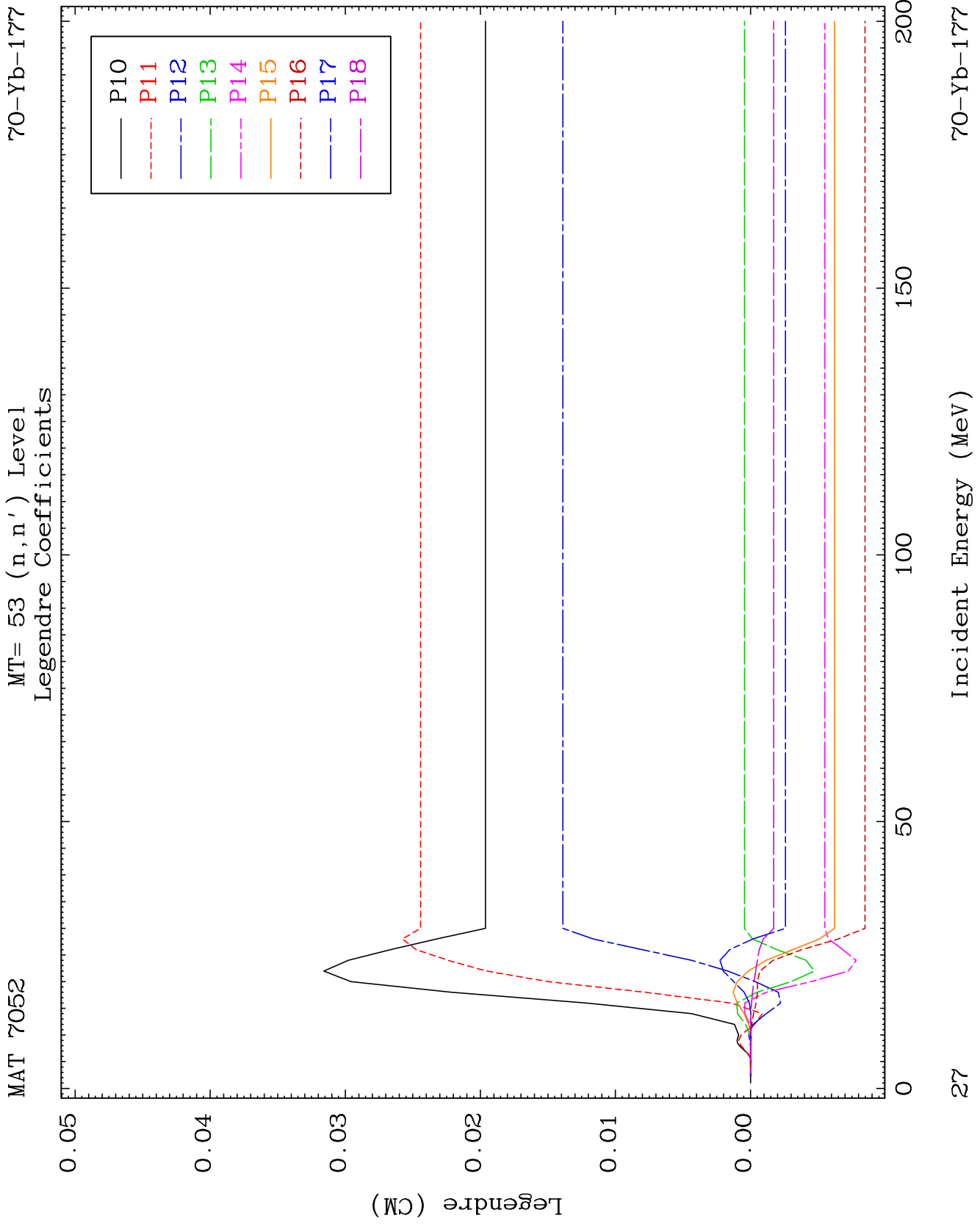
70-Yb-177



26

Incident Energy (MeV)

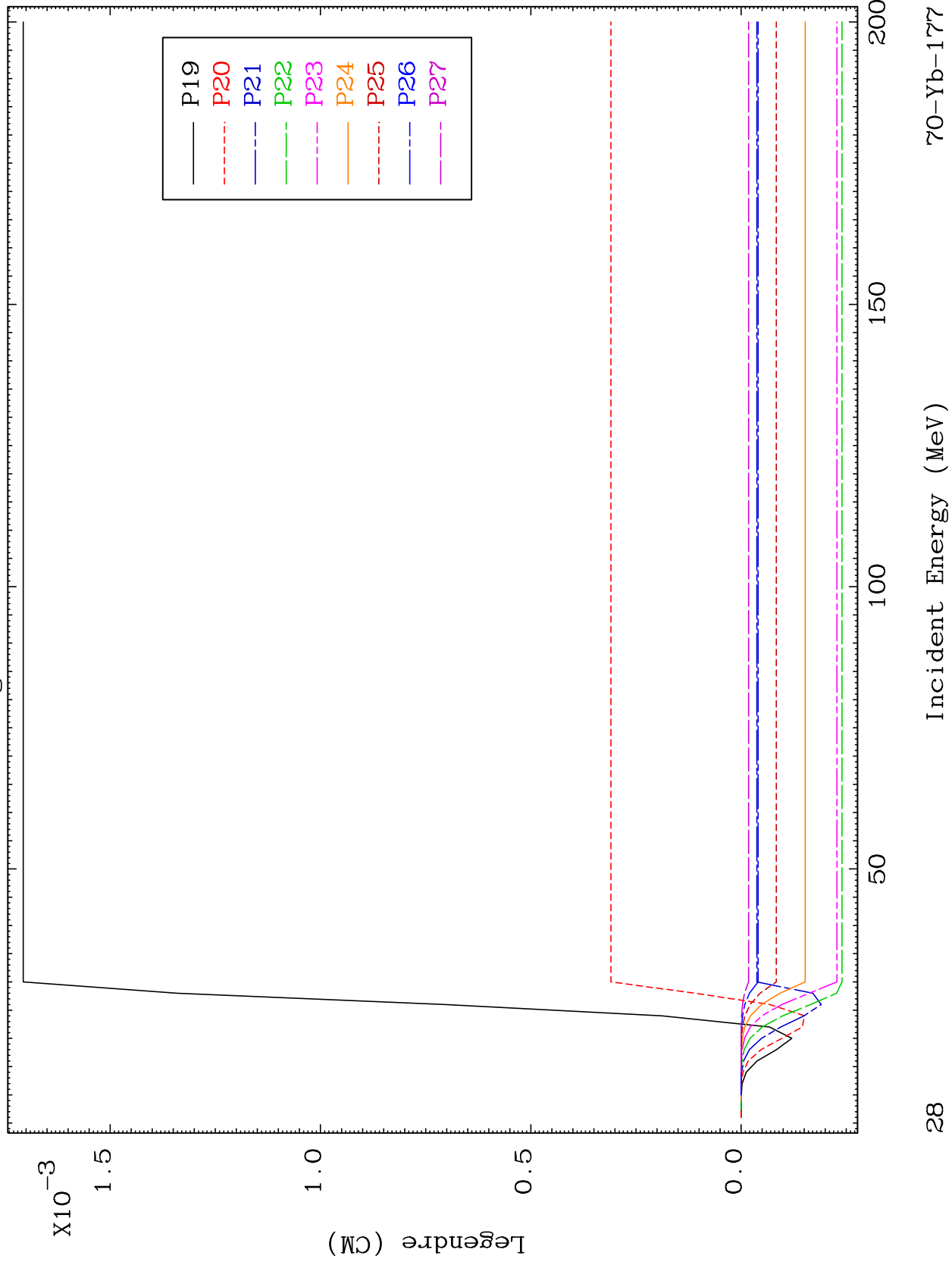
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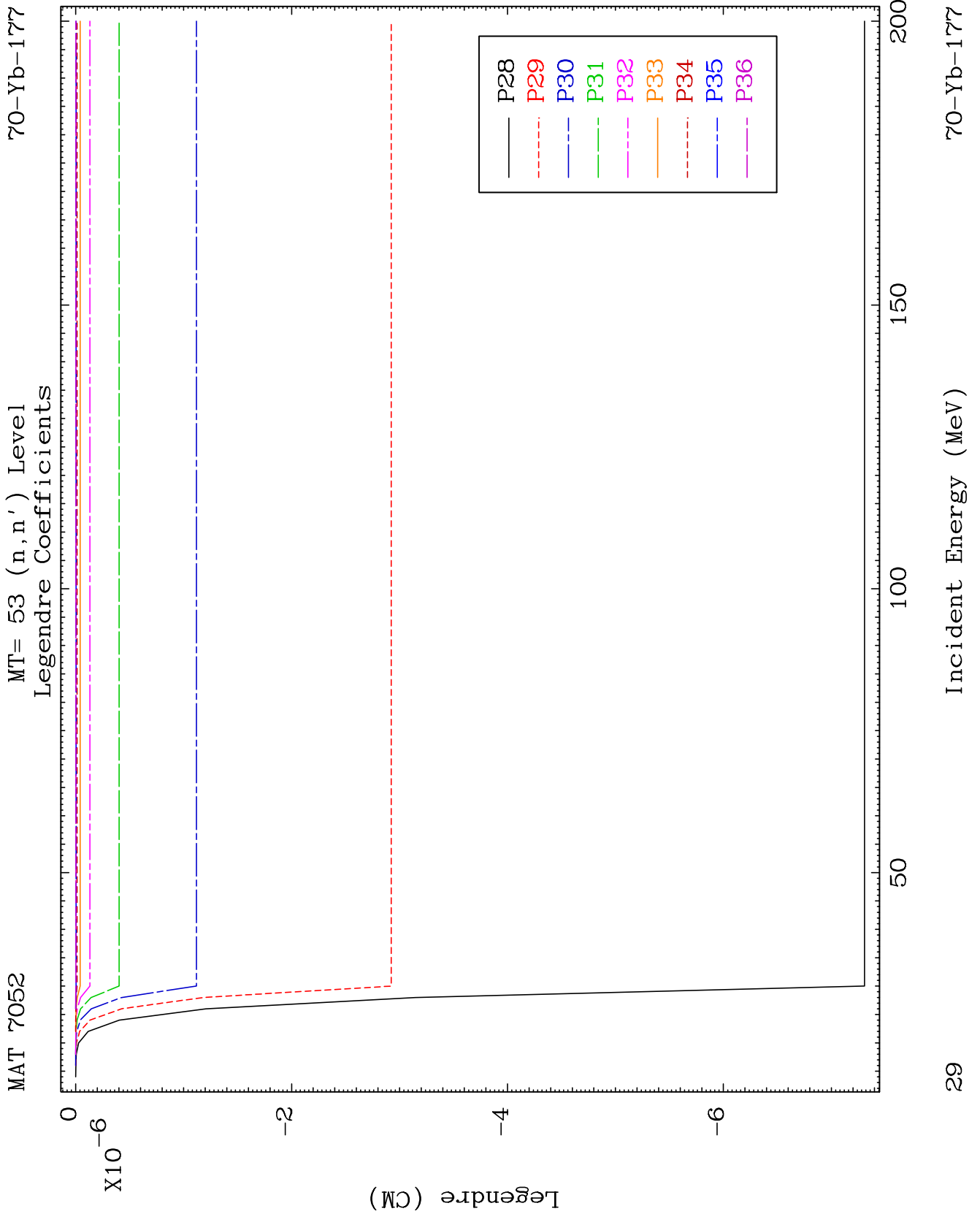
MAT 7052

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

70-Yb-177



28

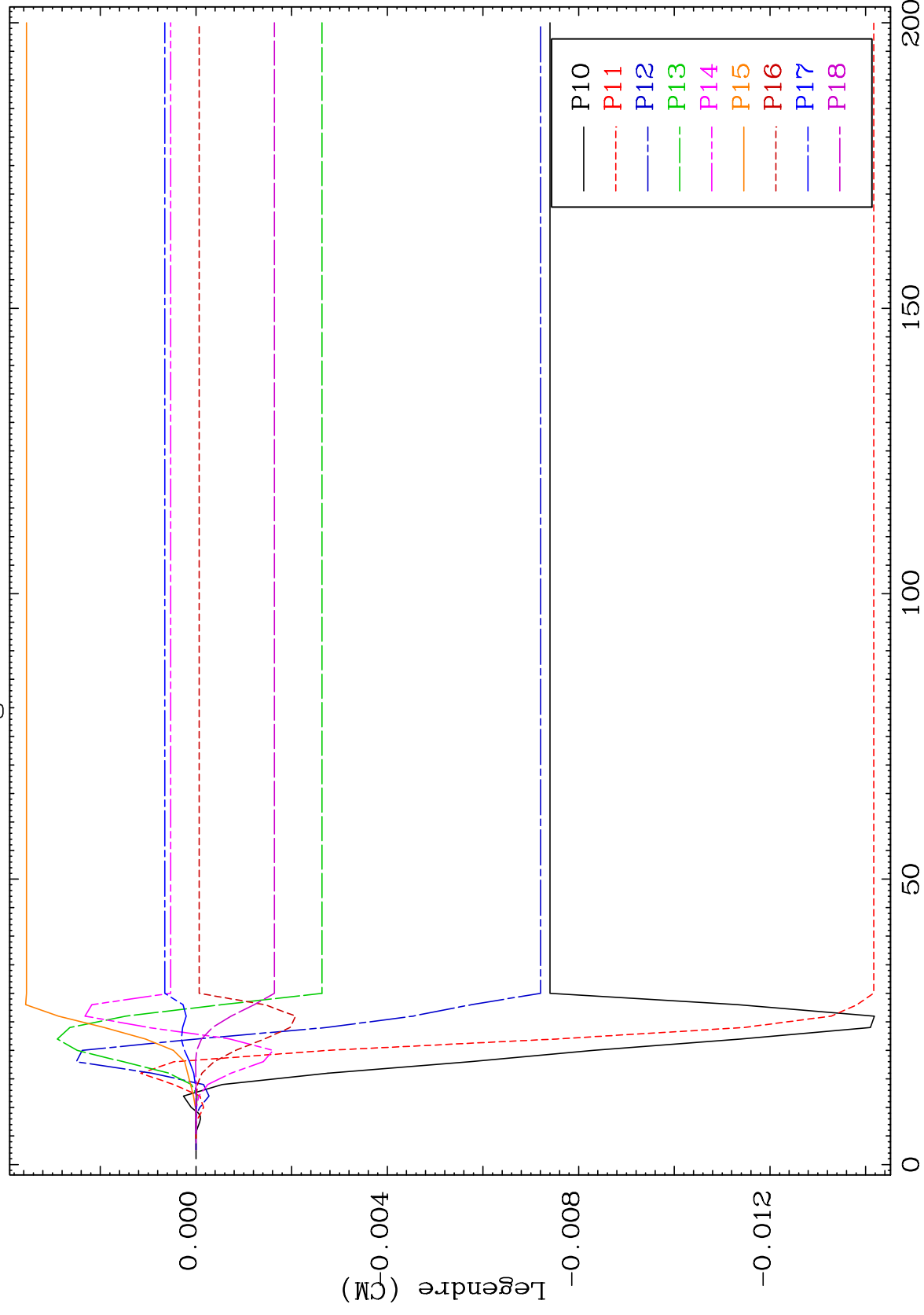




MAT 7052

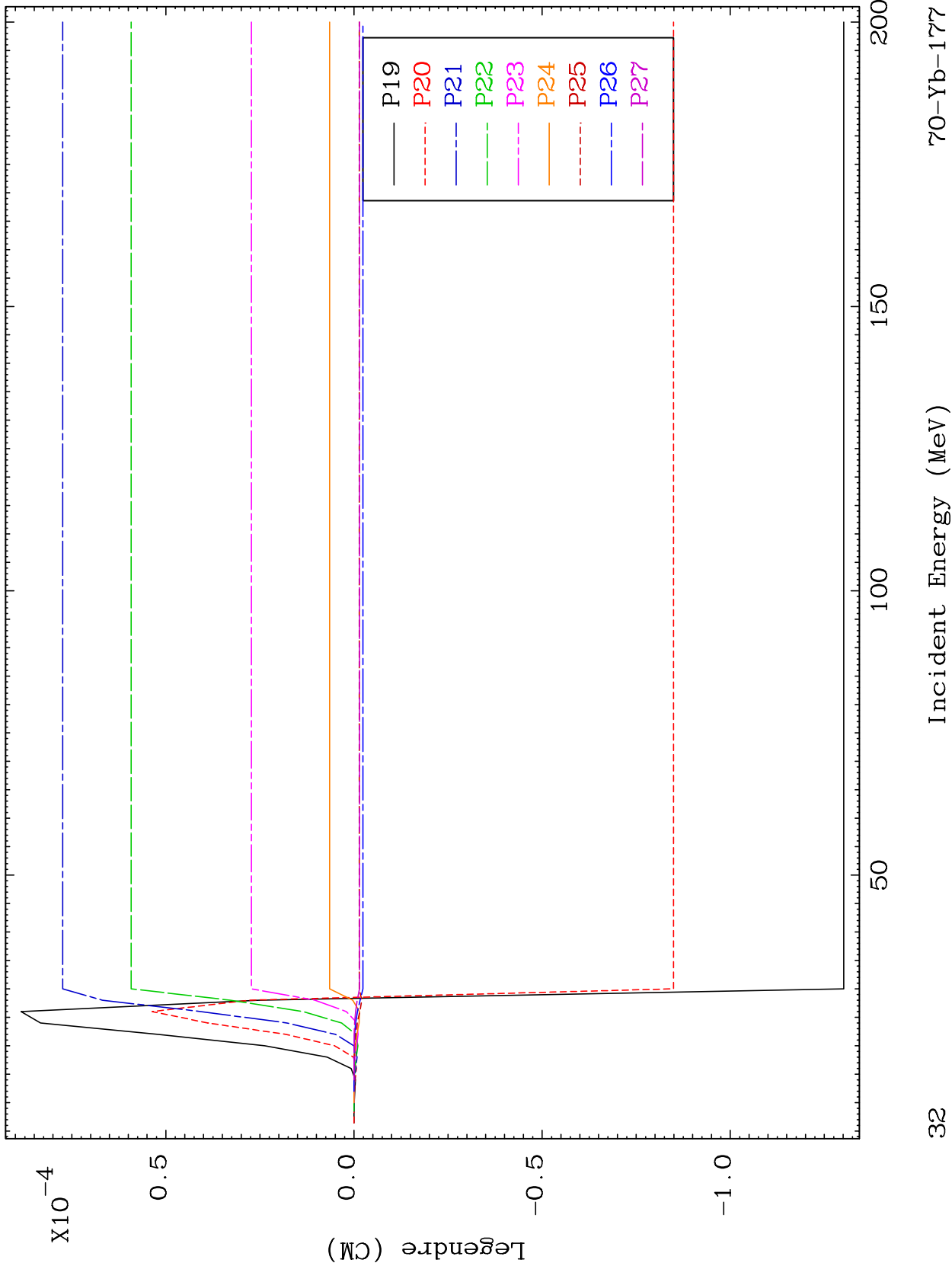
MT= 54 (n,n') Level  
Legendre Coefficients

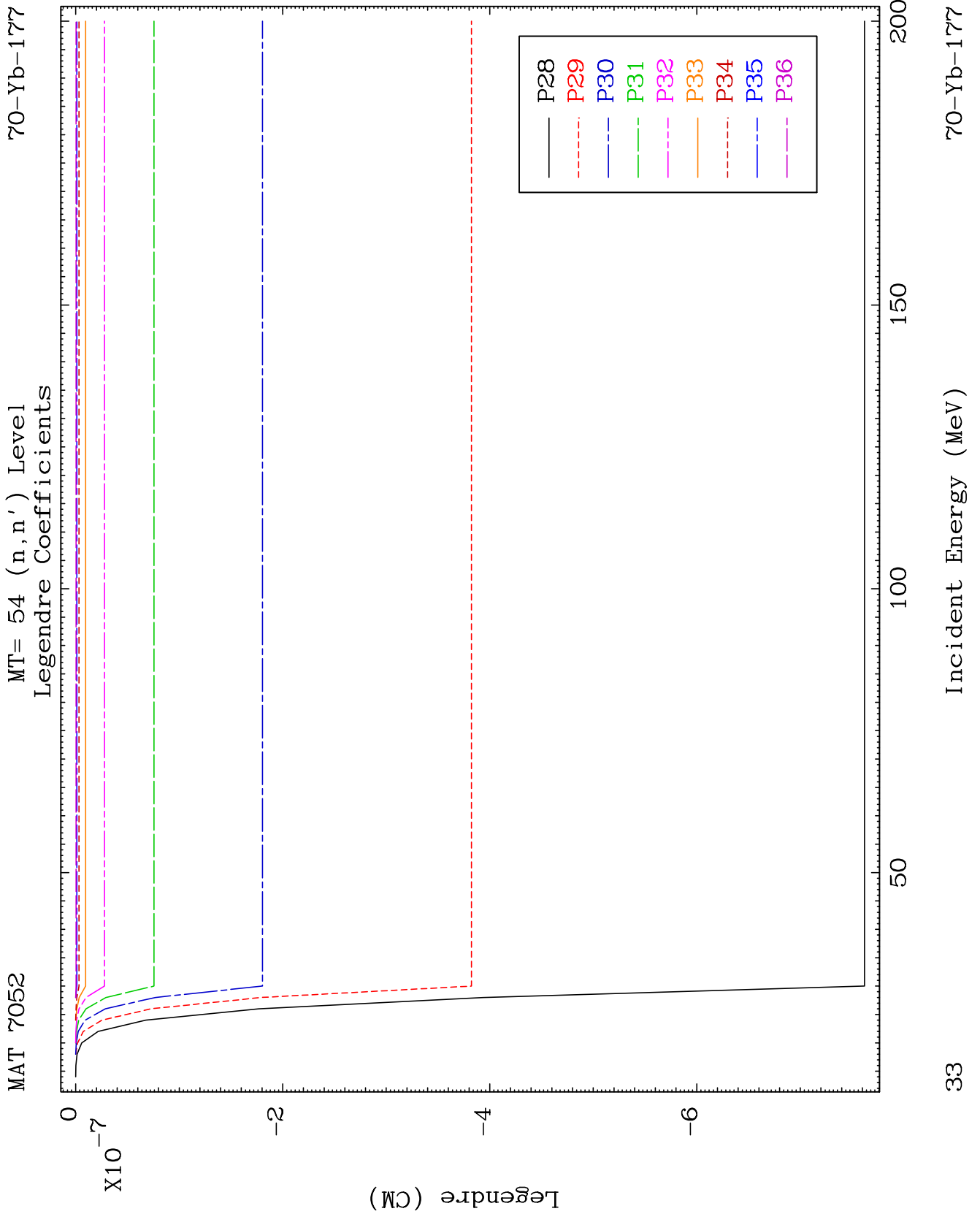
70-Yb-177

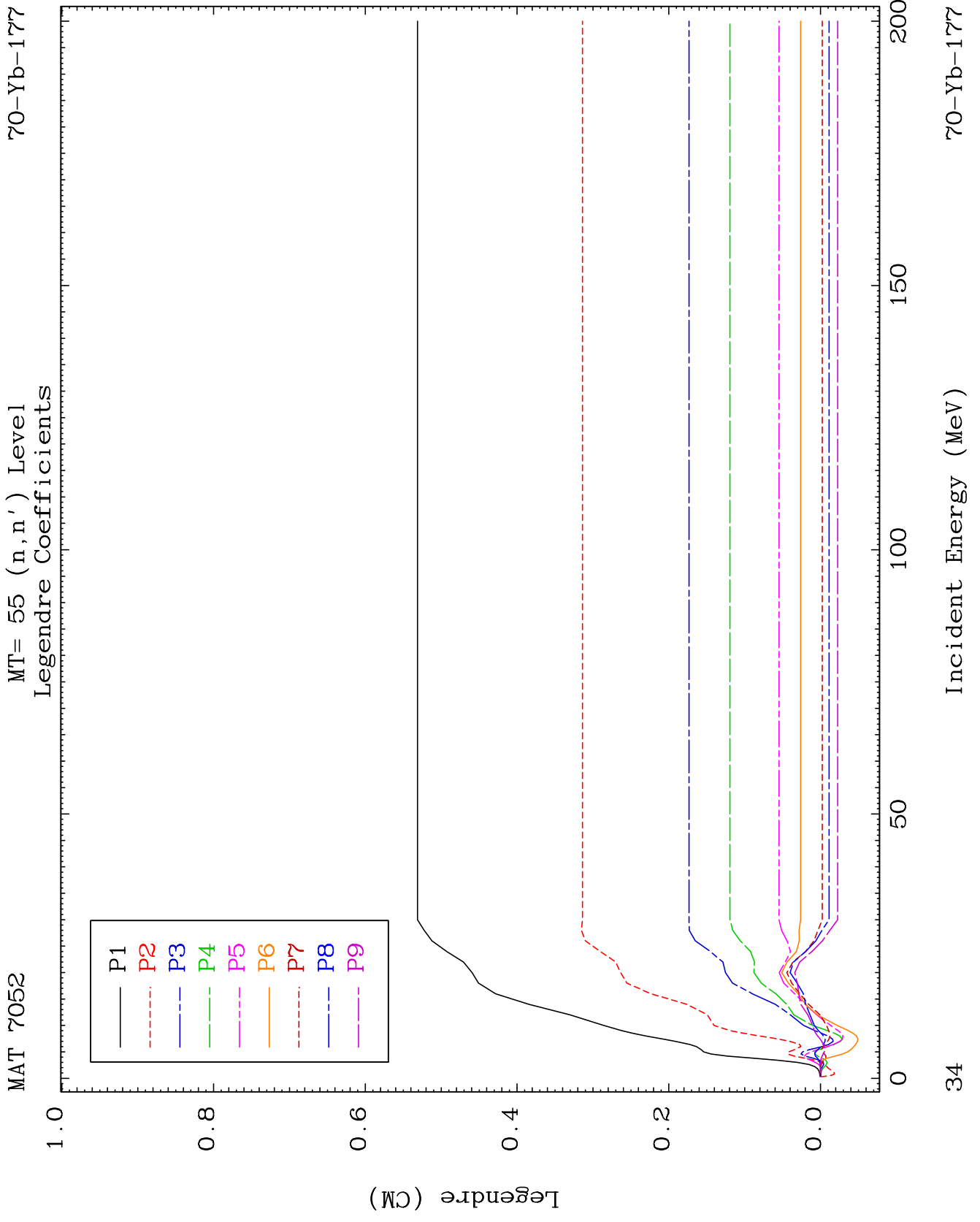


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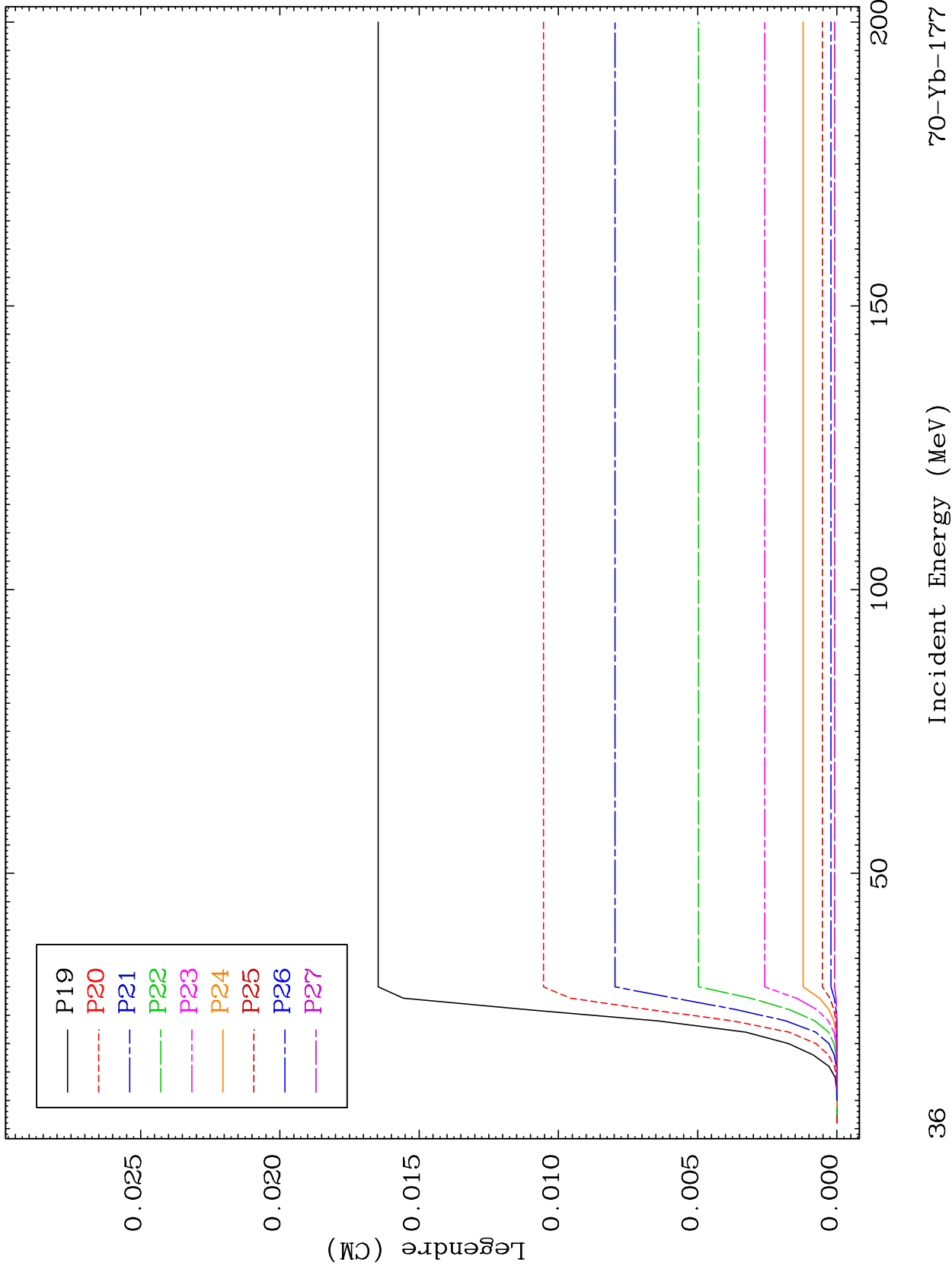
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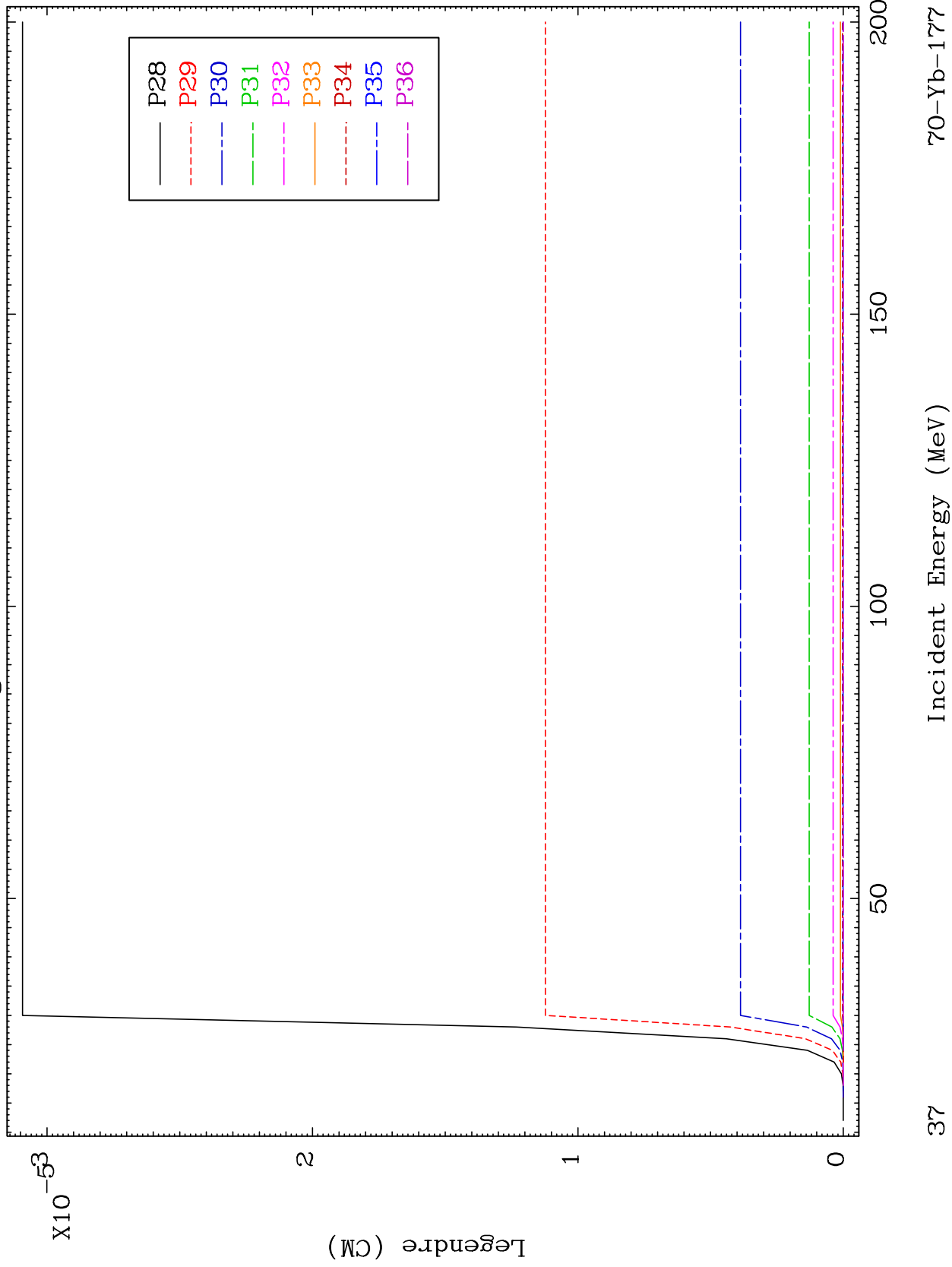


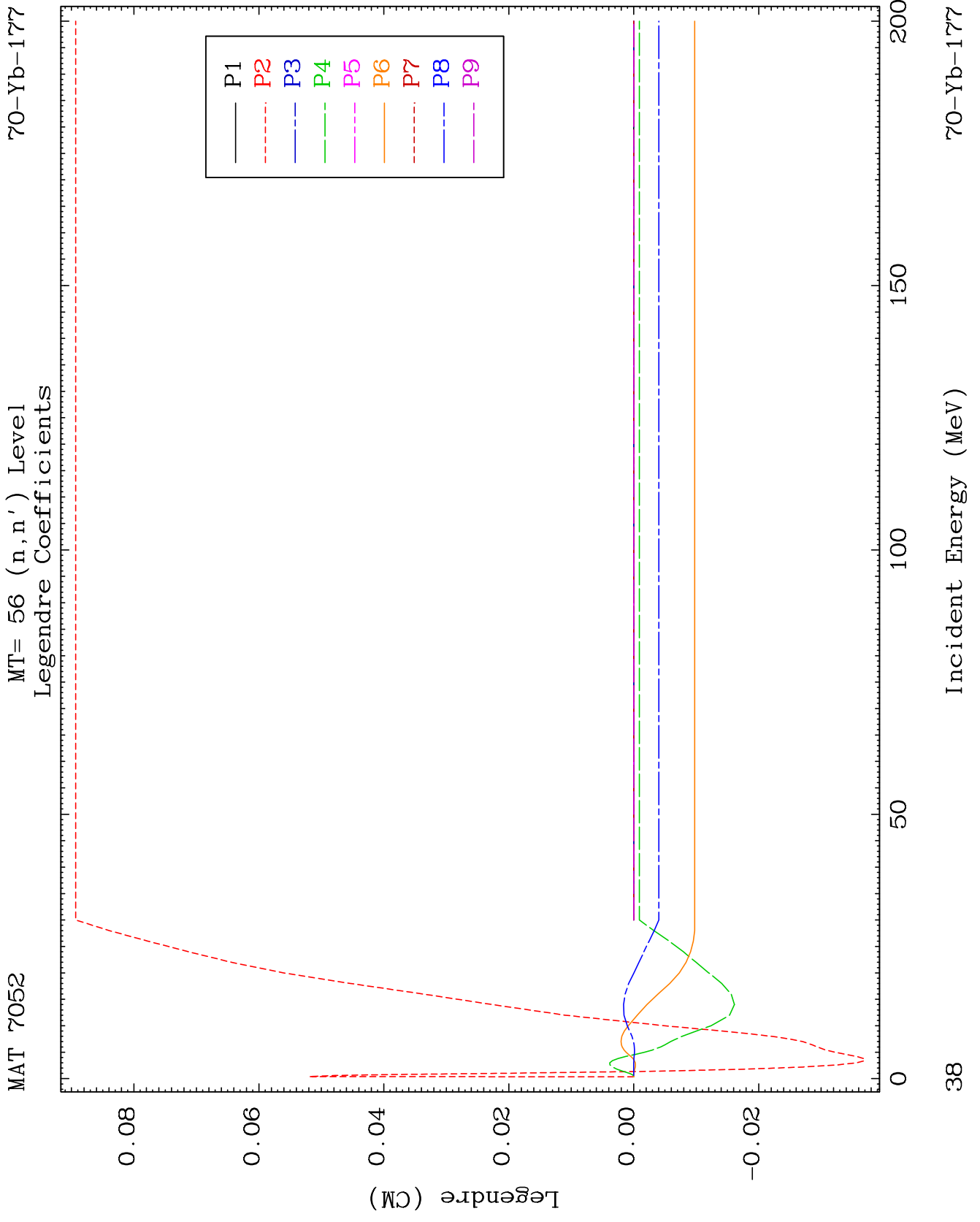


MAT 7052

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

70-Yb-177

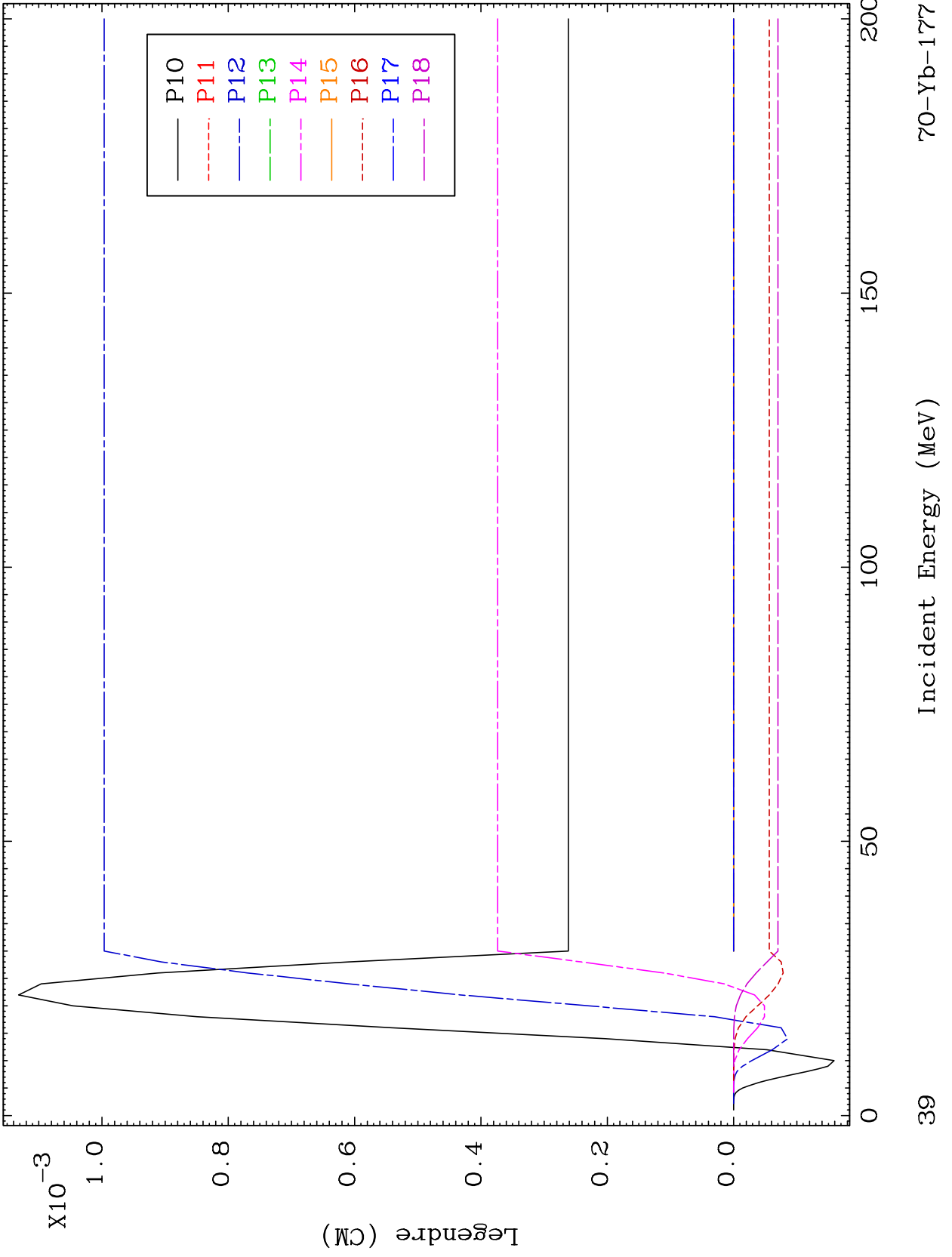




MAT 7052

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

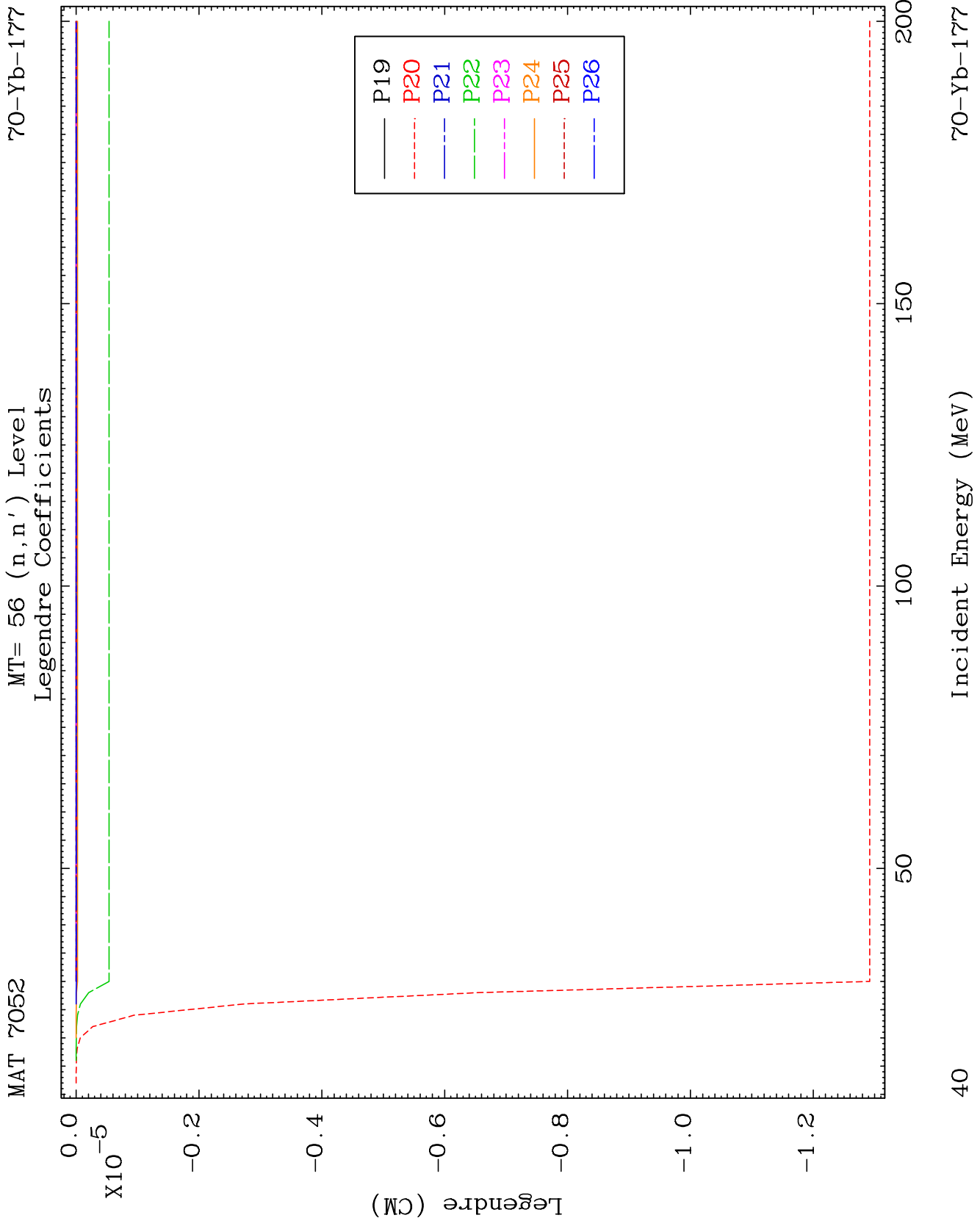
70-Yb-177



39

Incident Energy (MeV)

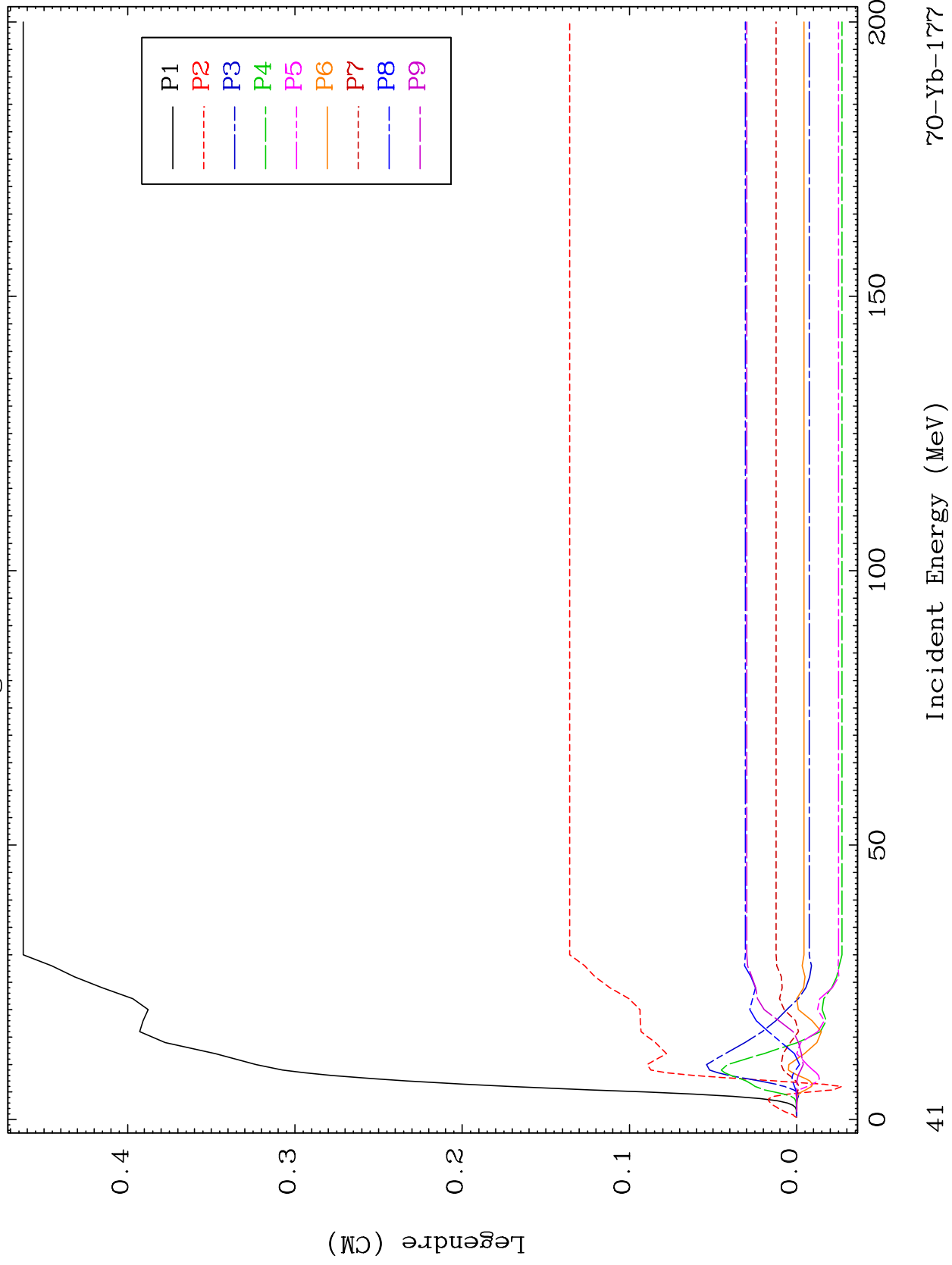
70-Yb-177



MAT 7052

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

70-Yb-177

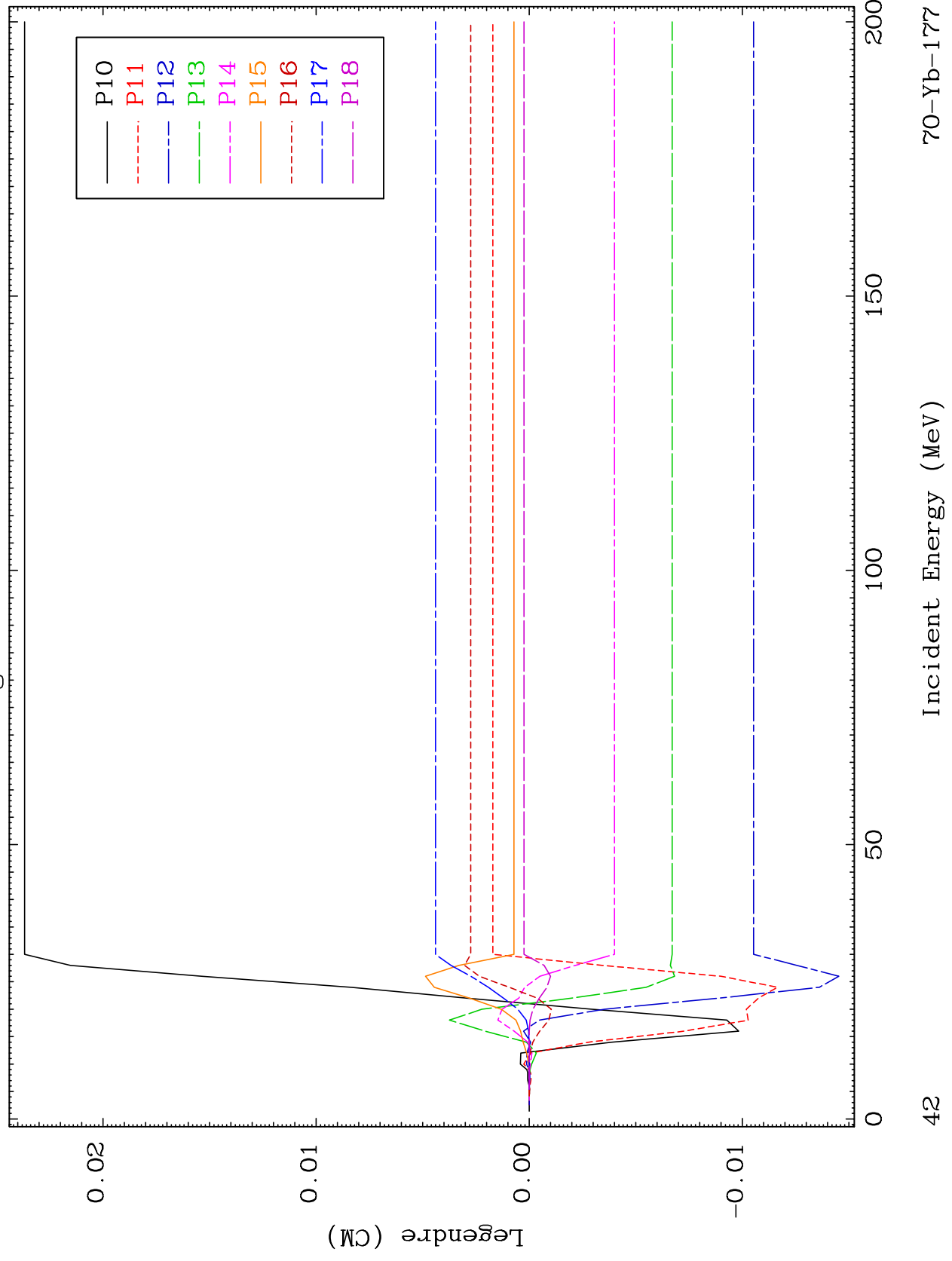


41

MAT 7052

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

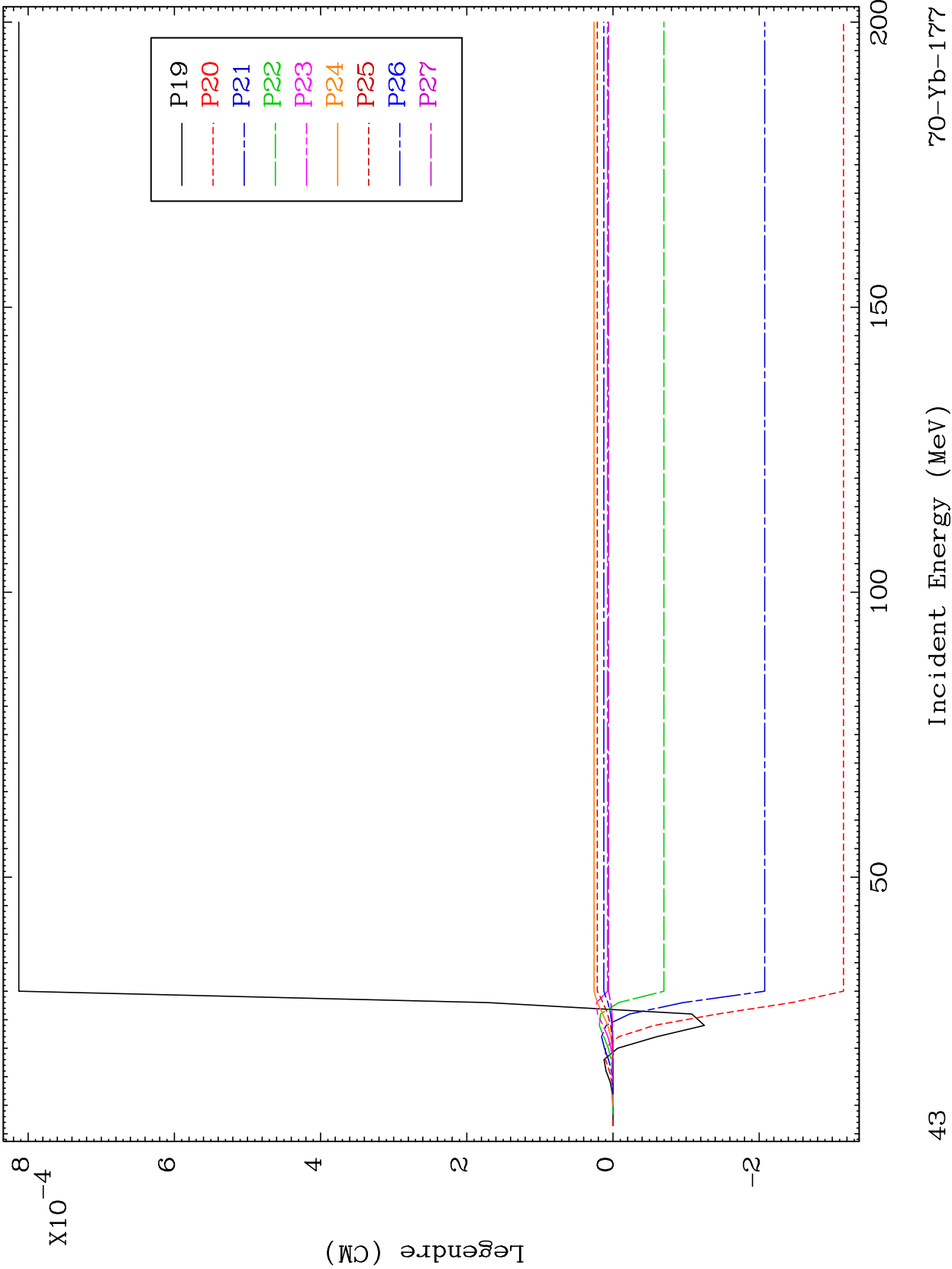
70-Yb-177



MAT 7052

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

70-Yb-177



43

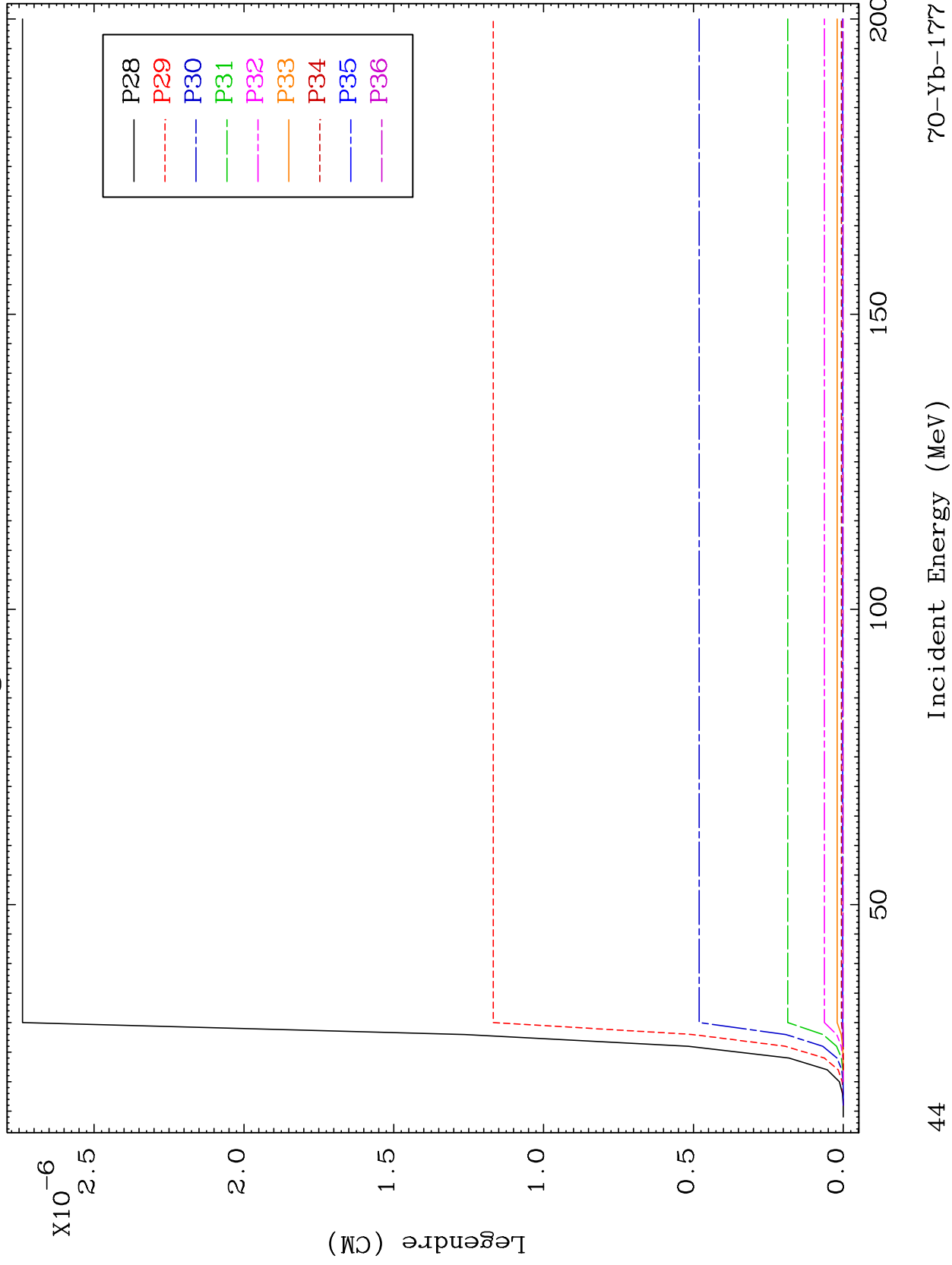
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



44

Incident Energy (MeV)

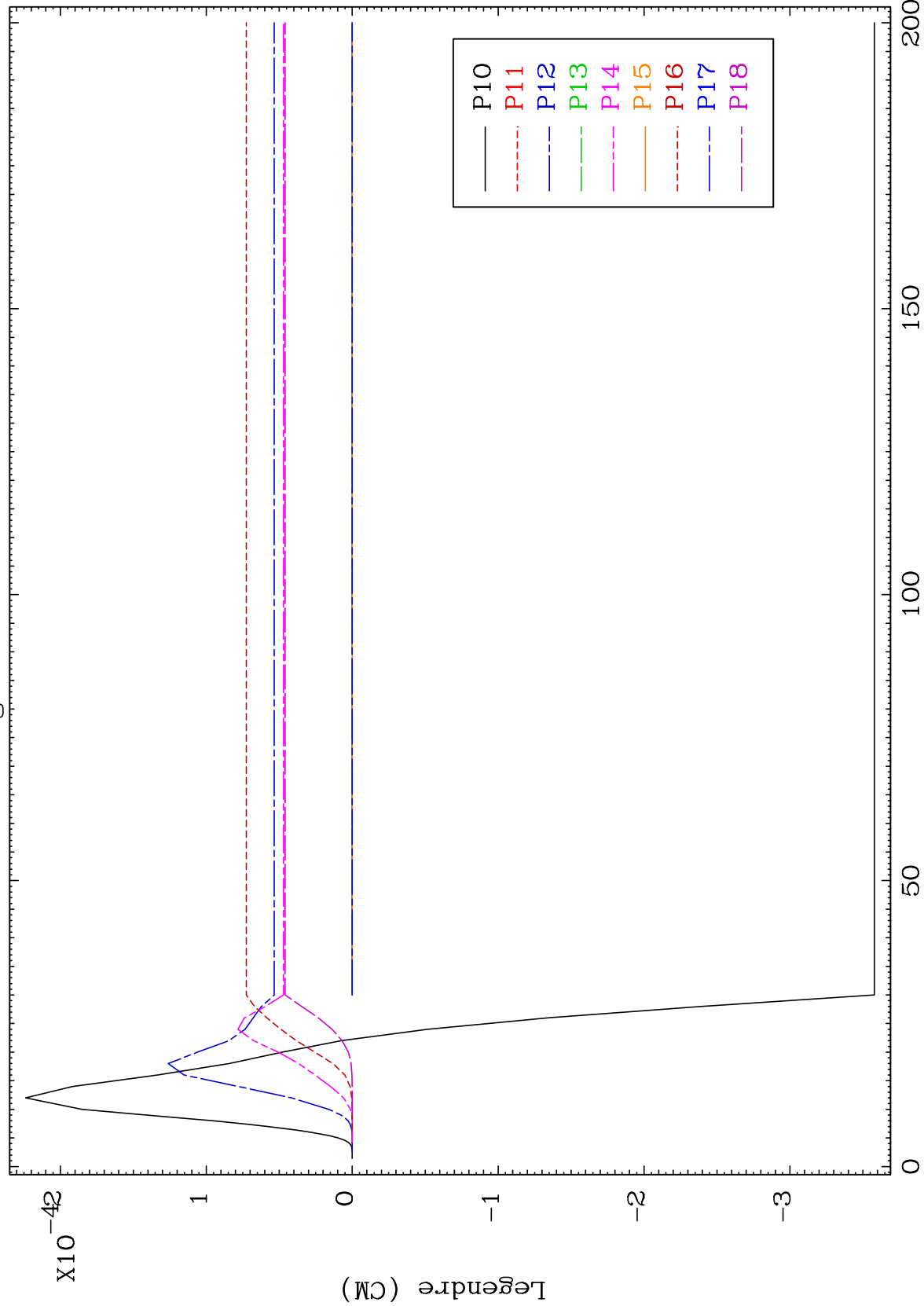
70-Yb-177



MAT 7052

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

70-Yb-177



46

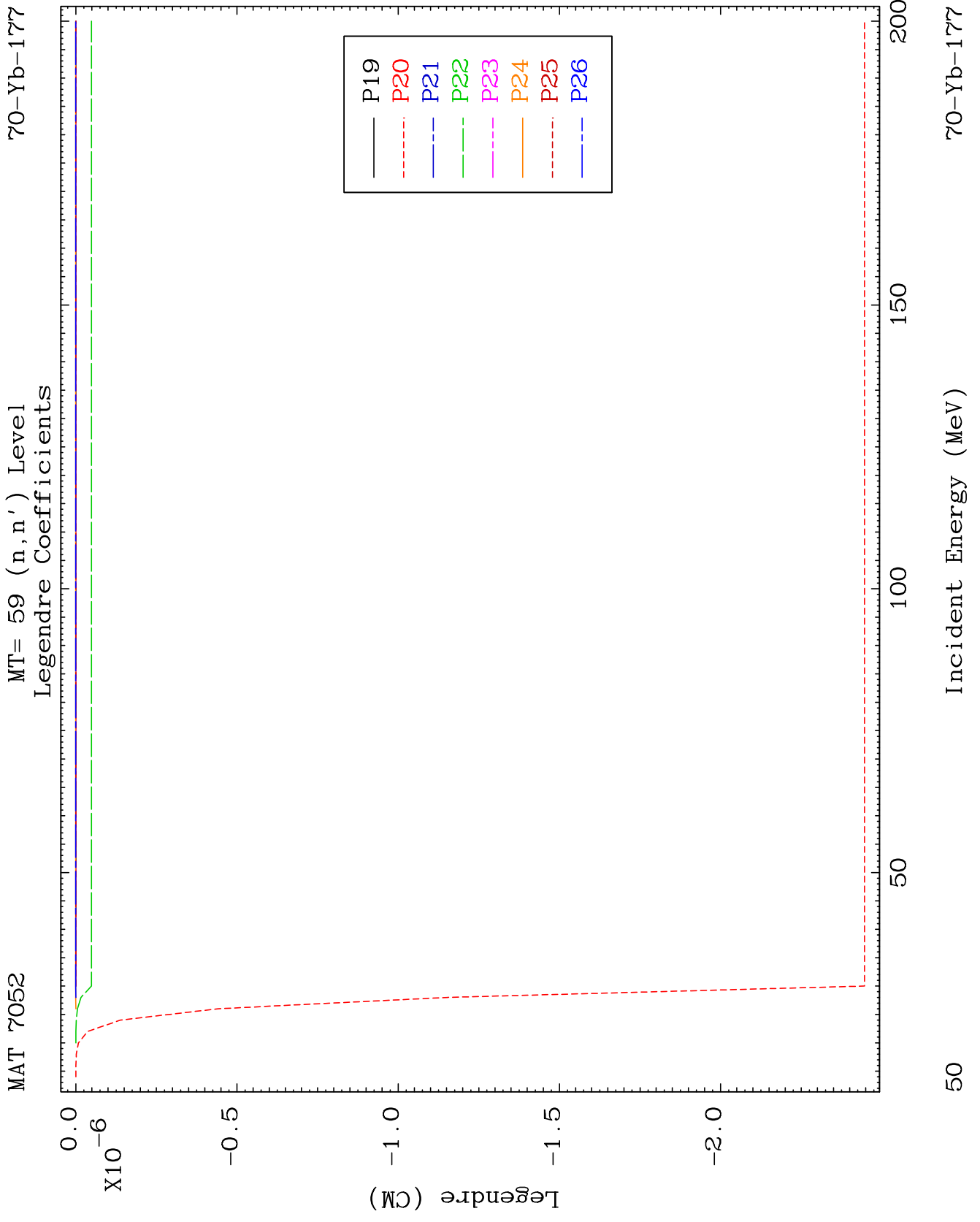
Incident Energy (MeV)

70-Yb-177





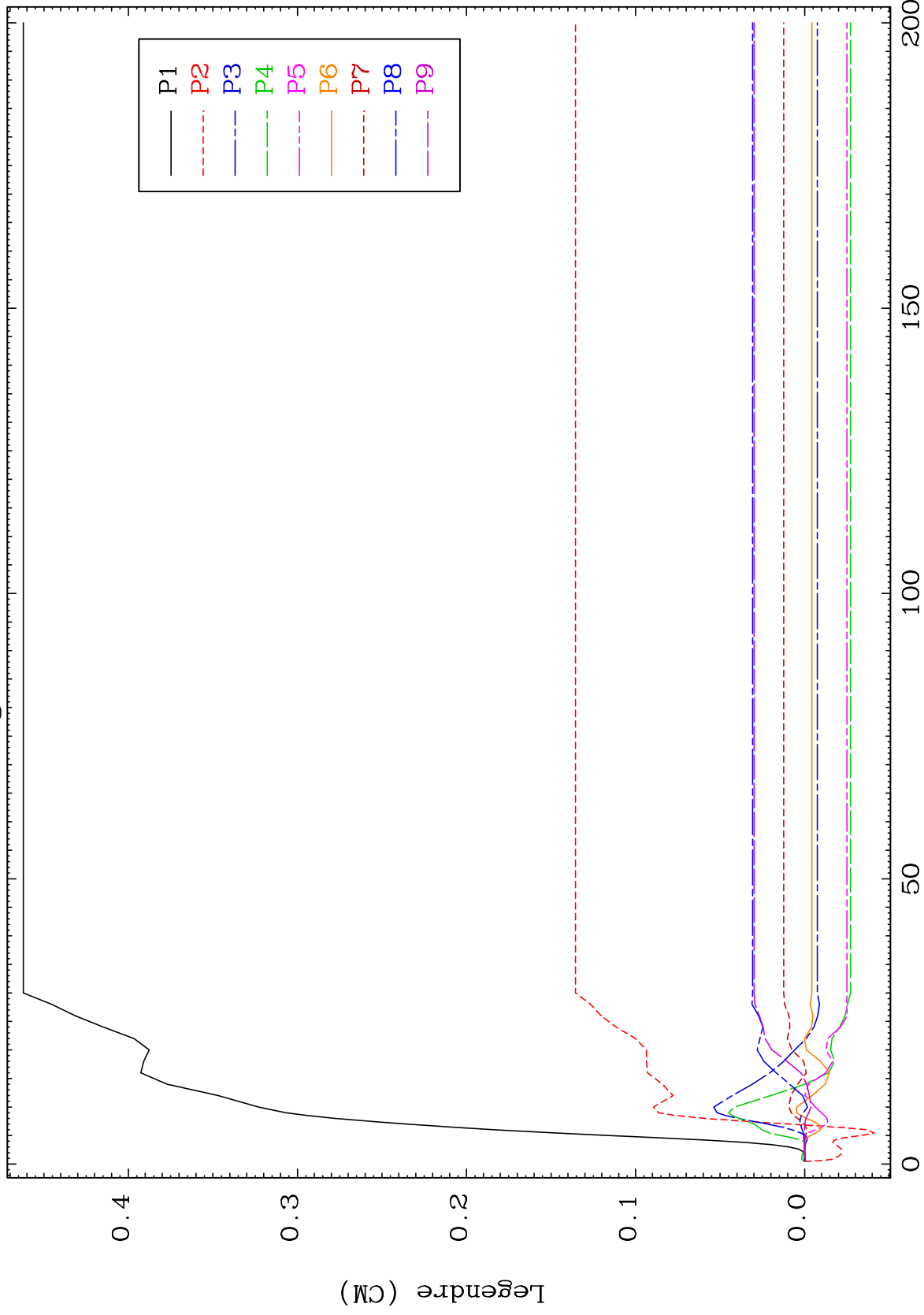




MAT 7052

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

70-Yb-177



70-Yb-177

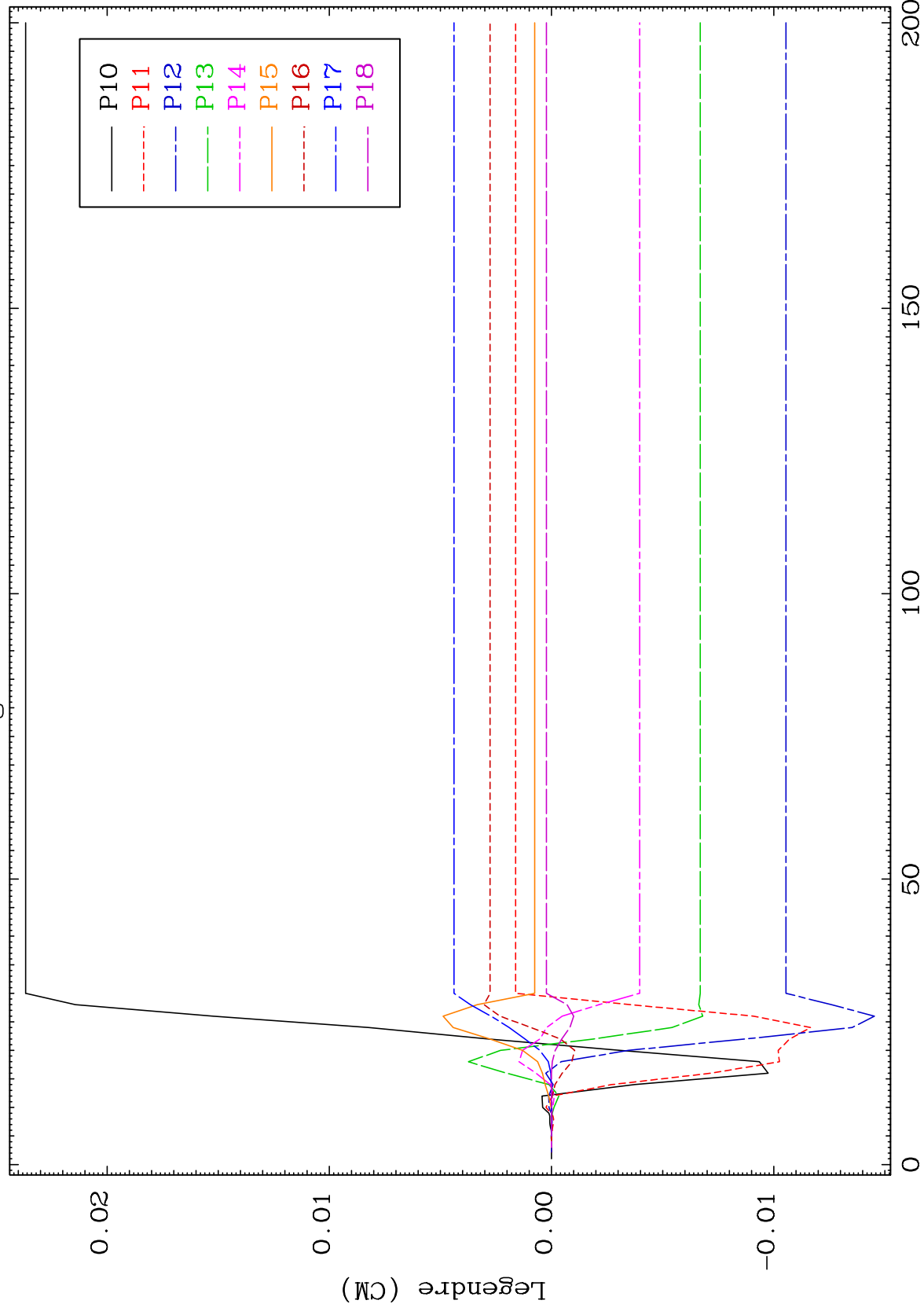
Incident Energy (MeV)

51

MAT 7052

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

70-Yb-177



52

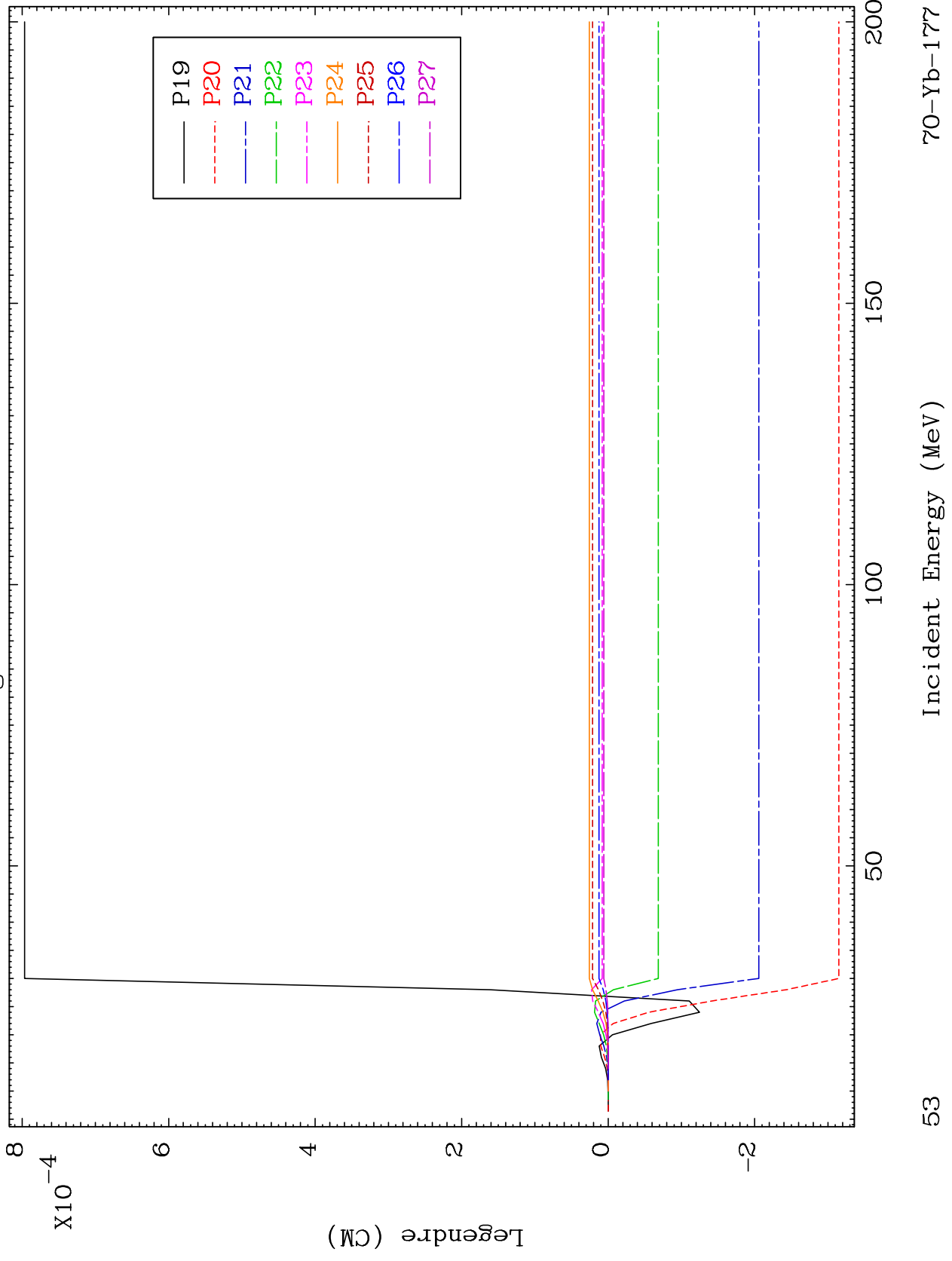
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

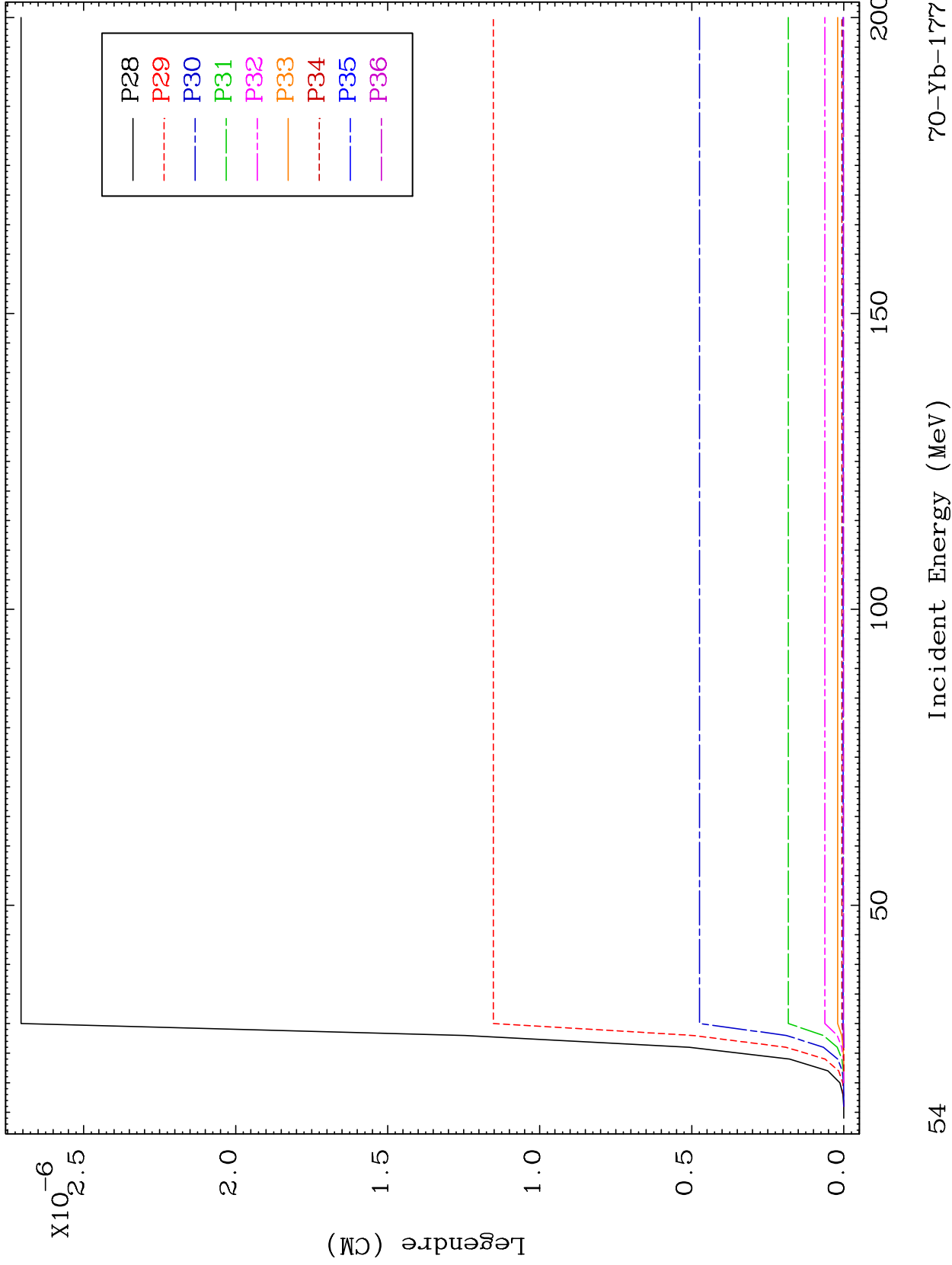
70-Yb-177



MAT 7052

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

70-Yb-177



54

Incident Energy (MeV)

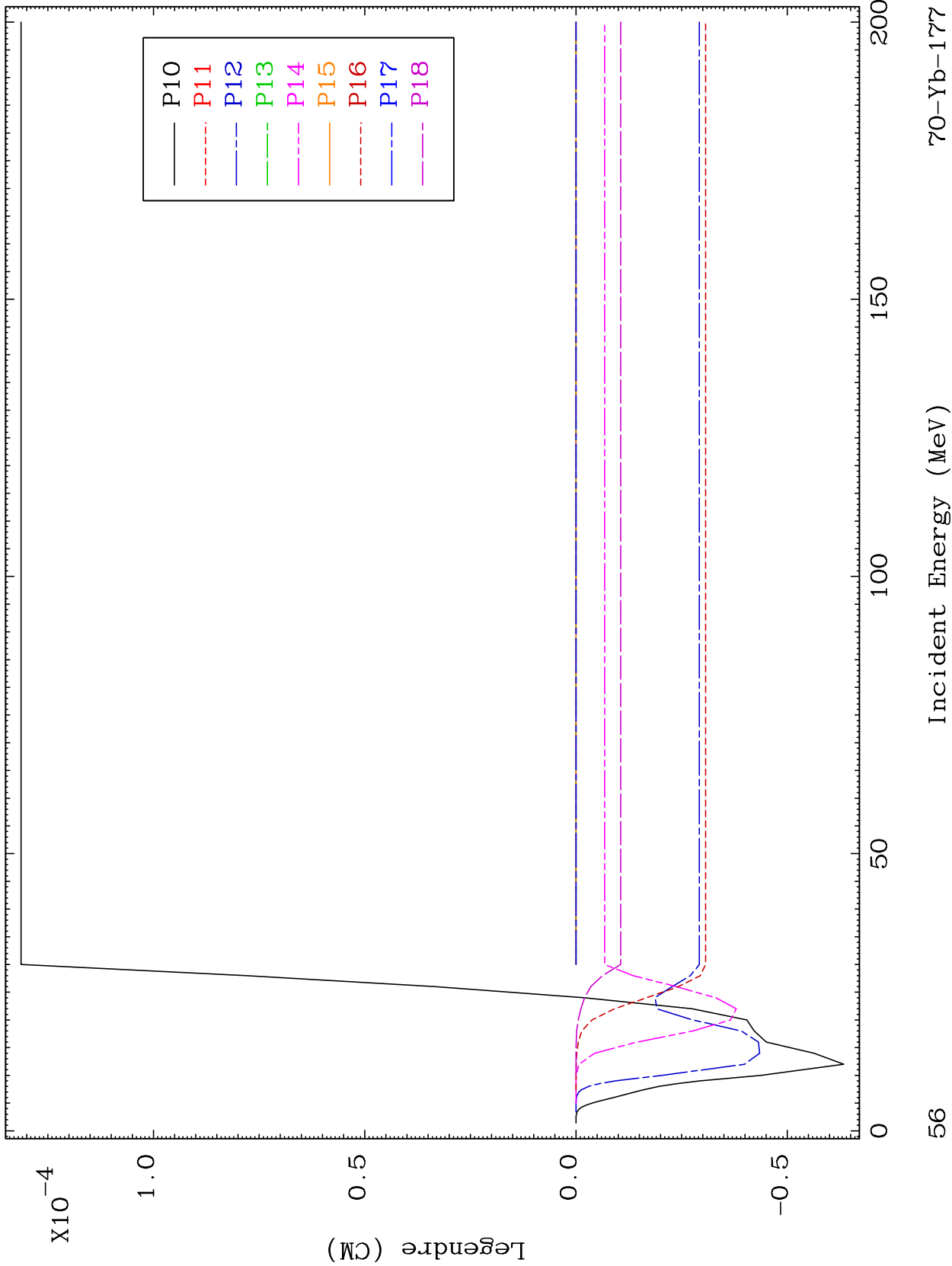
70-Yb-177



MAT 7052

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

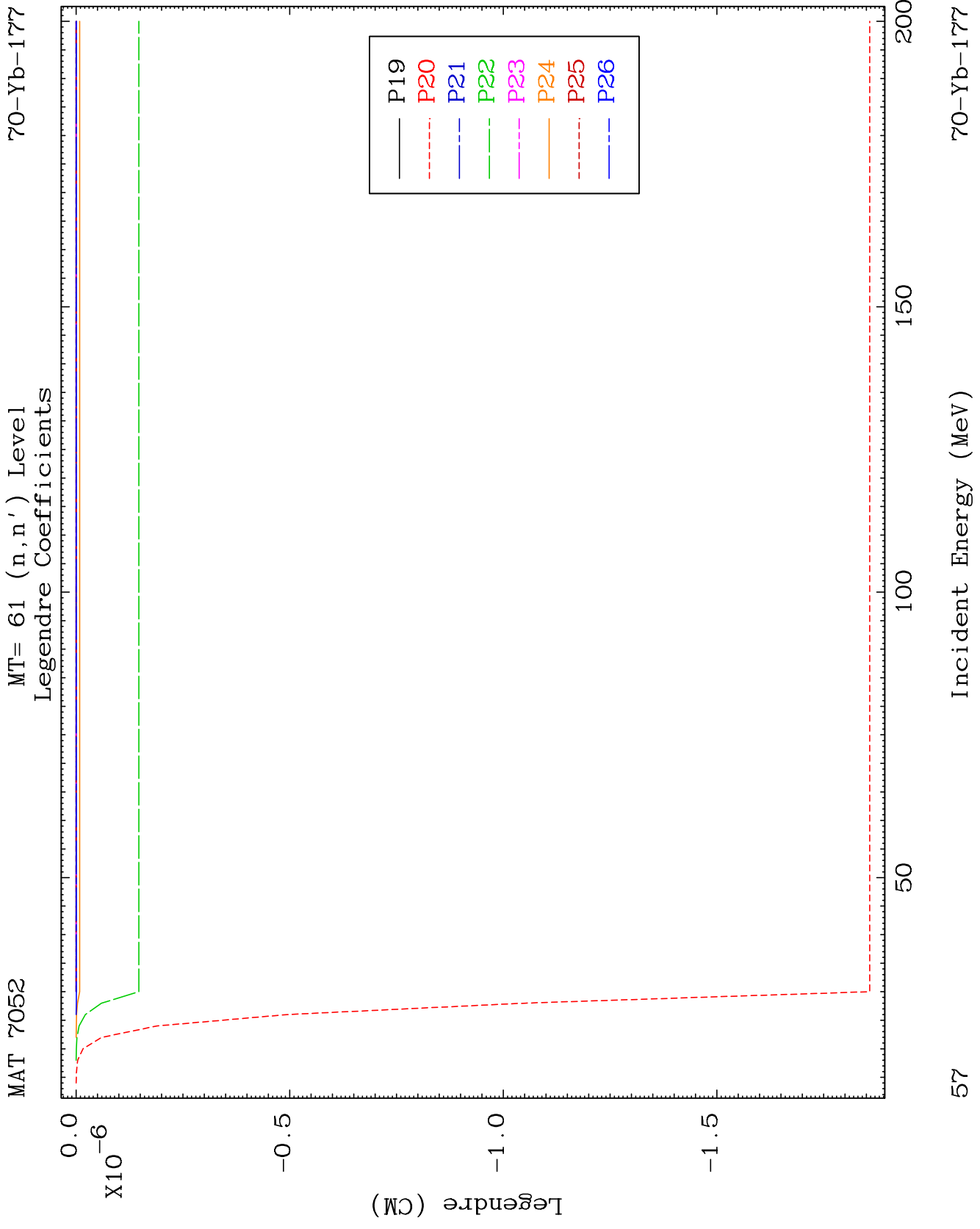
70-Yb-177



56

Incident Energy (MeV)

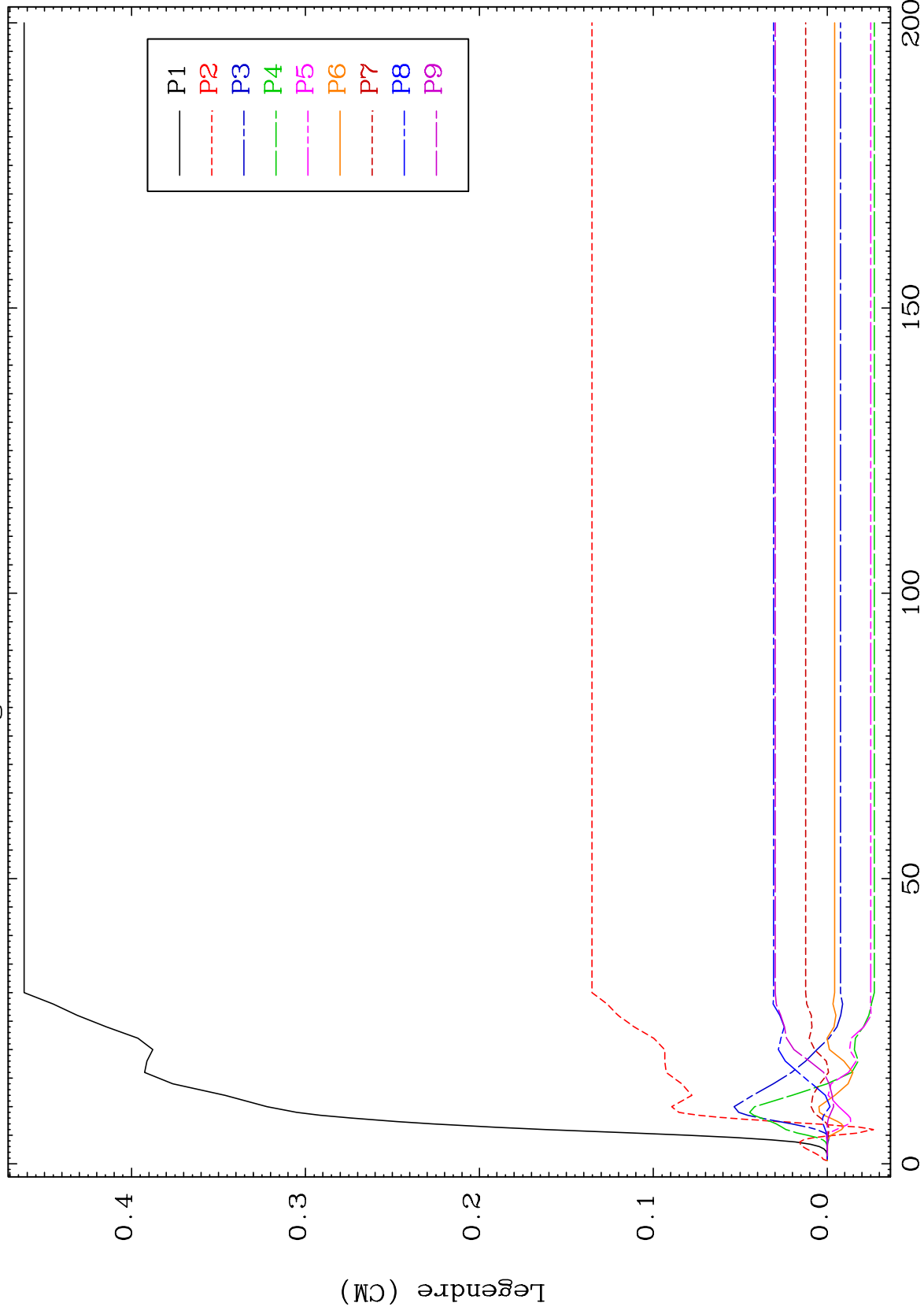
70-Yb-177



MAT 7052

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

70-Yb-177



70-Yb-177

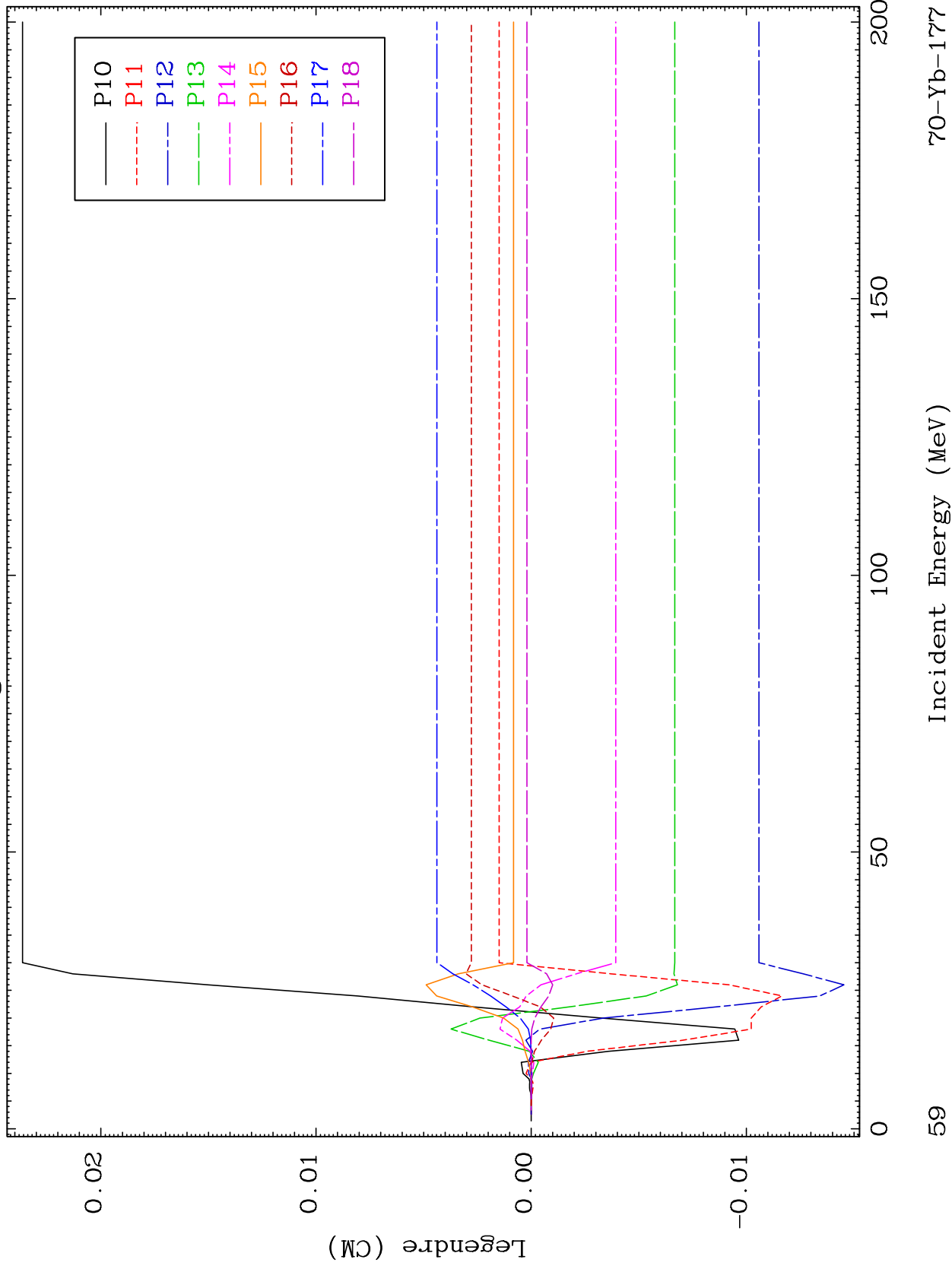
Incident Energy (MeV)

58

MAT 7052

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

70-Yb-177



70-Yb-177

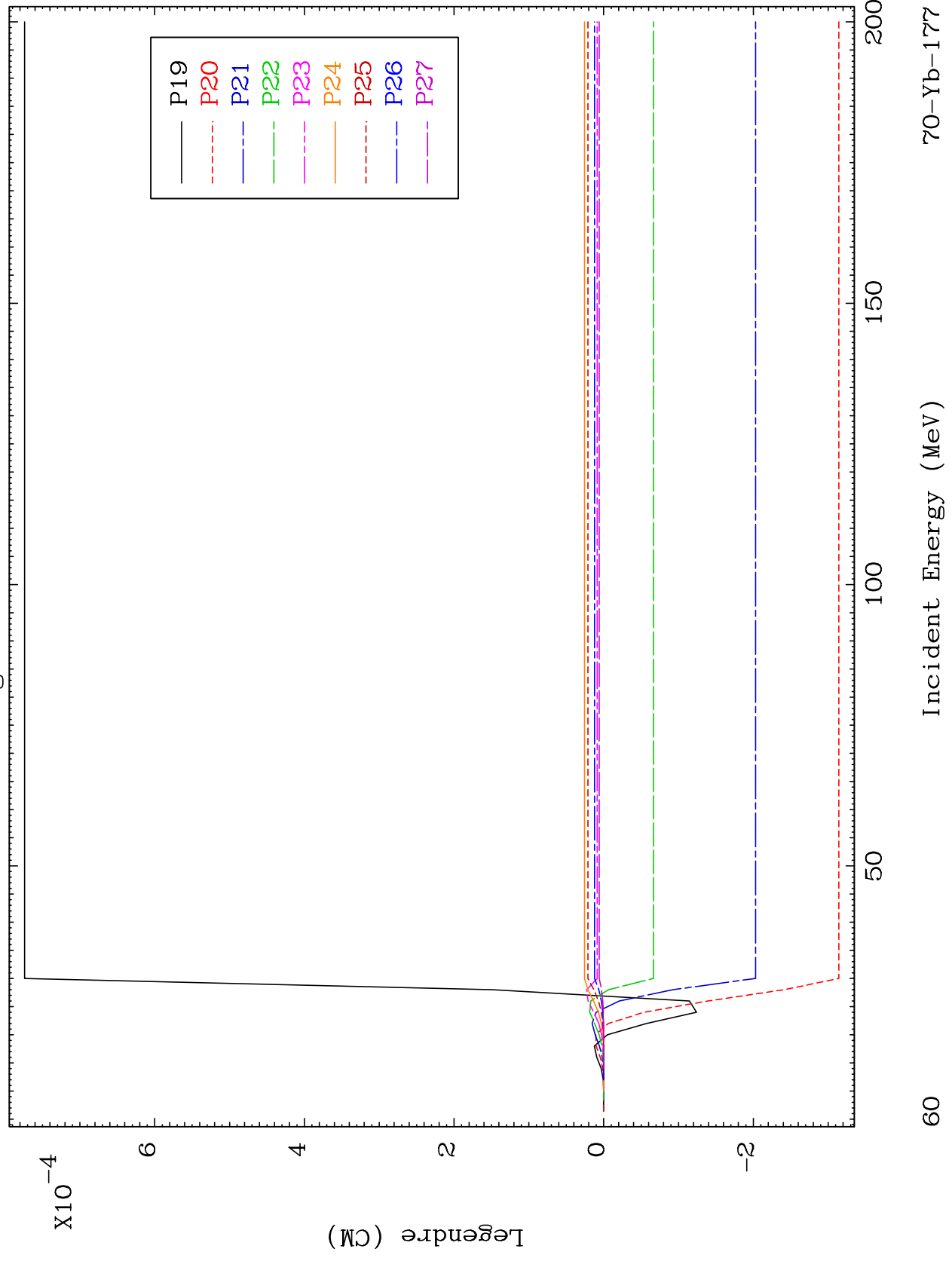
Incident Energy (MeV)

59

MAT 7052

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

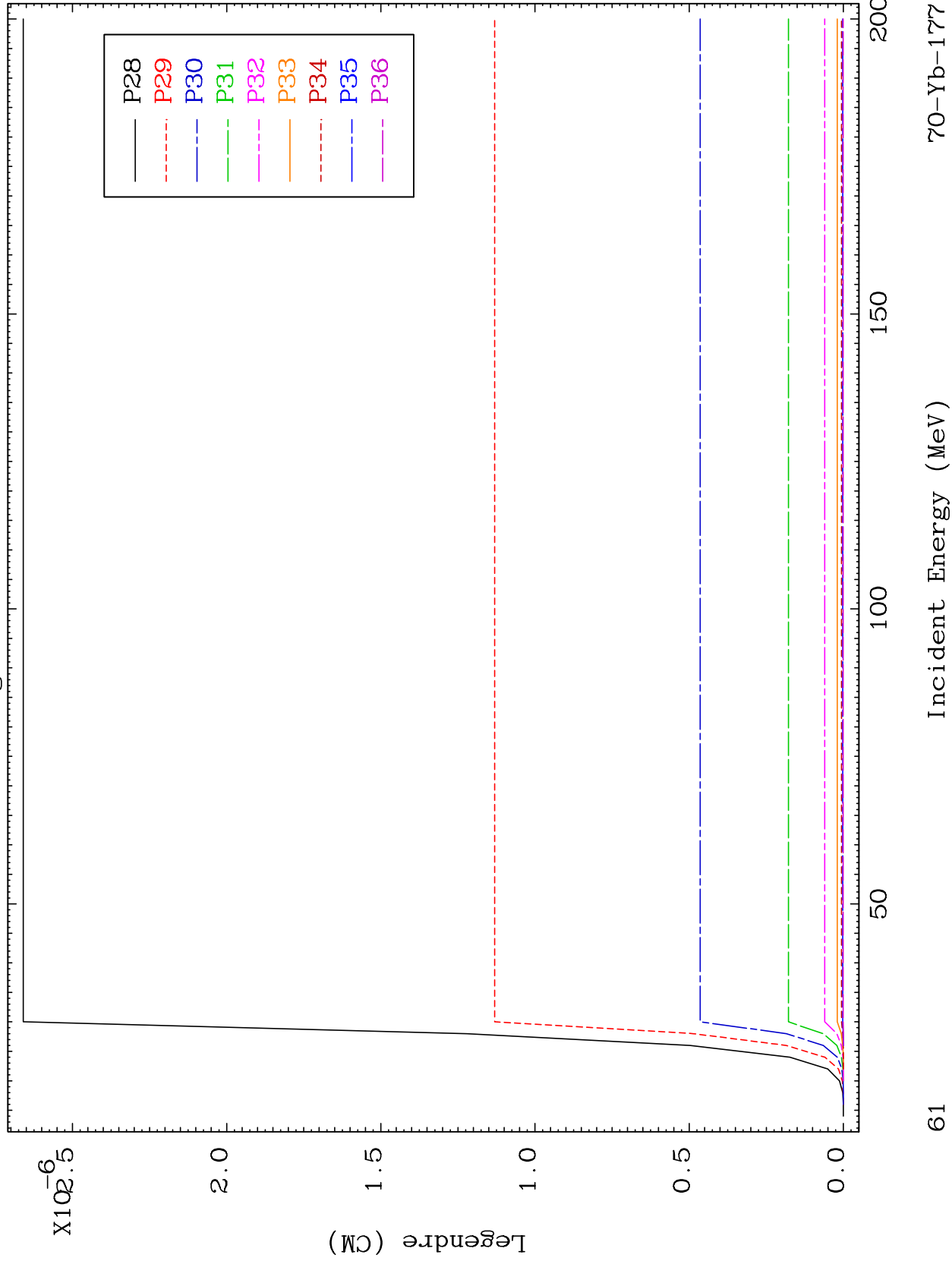
70-Yb-177



MAT 7052

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

70-Yb-177



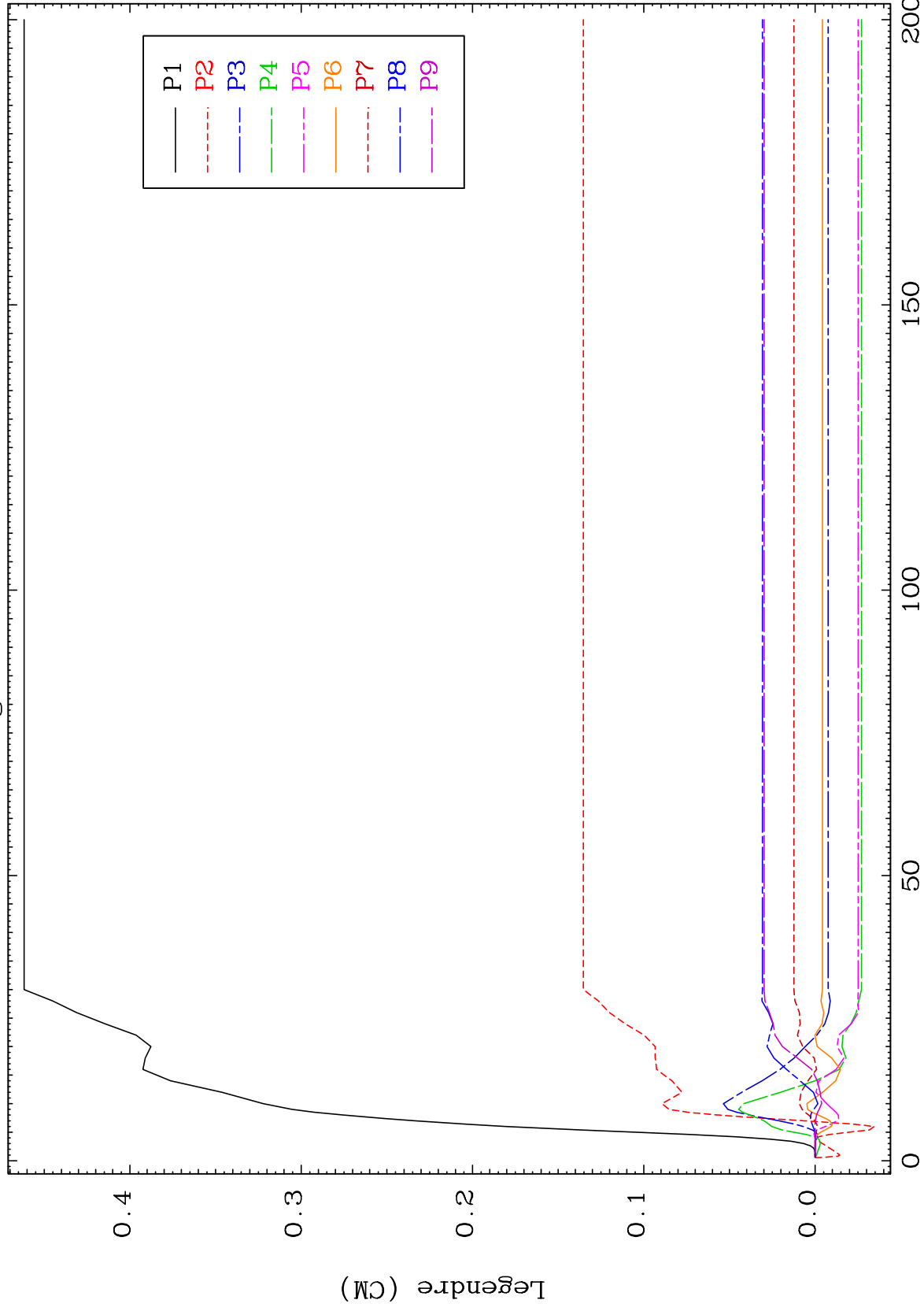
61

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

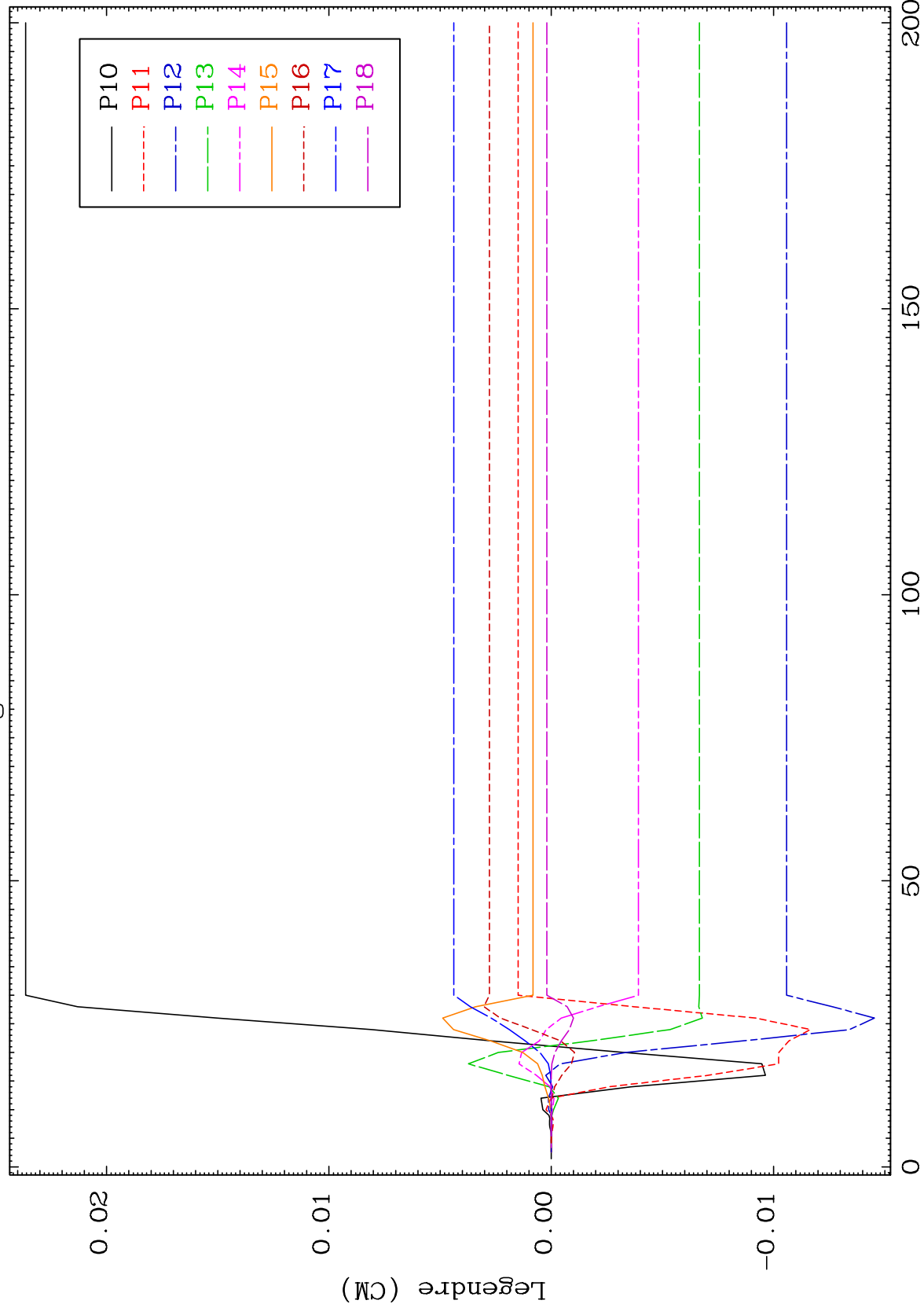
Incident Energy (MeV)

62

MAT 7052

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

70-Yb-177



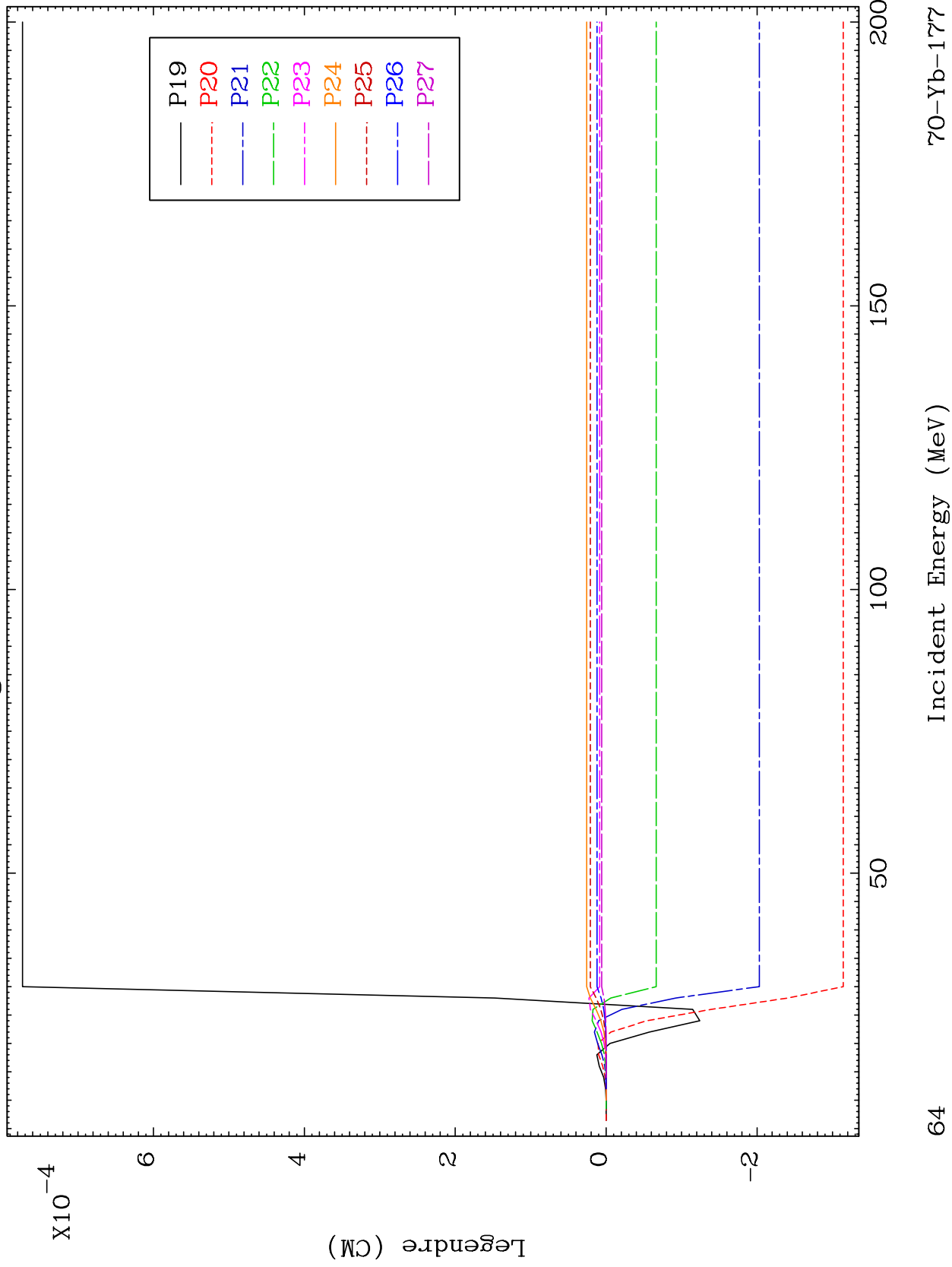
63

70-Yb-177

MAT 7052

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

70-Yb-177



64

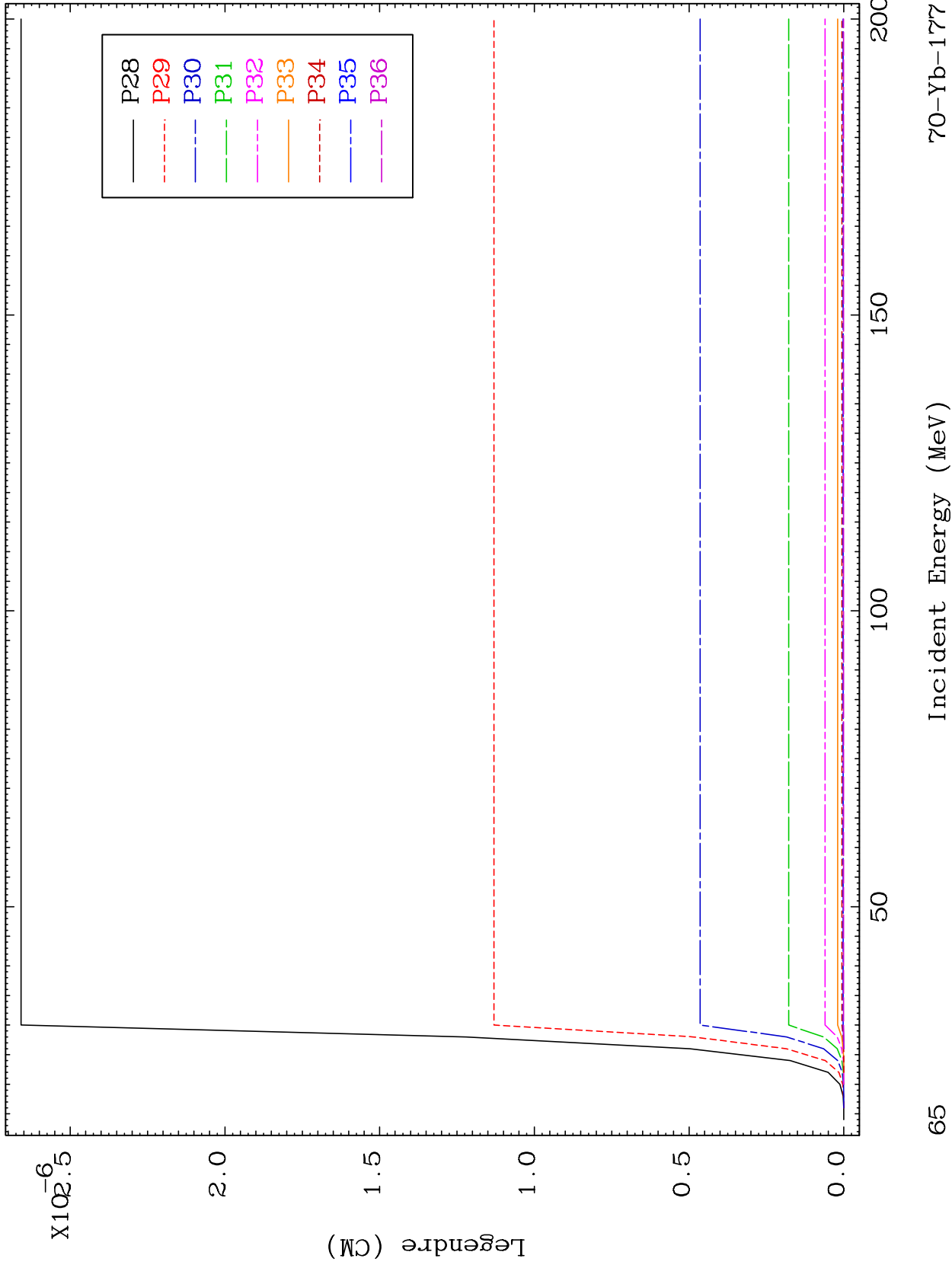
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



65

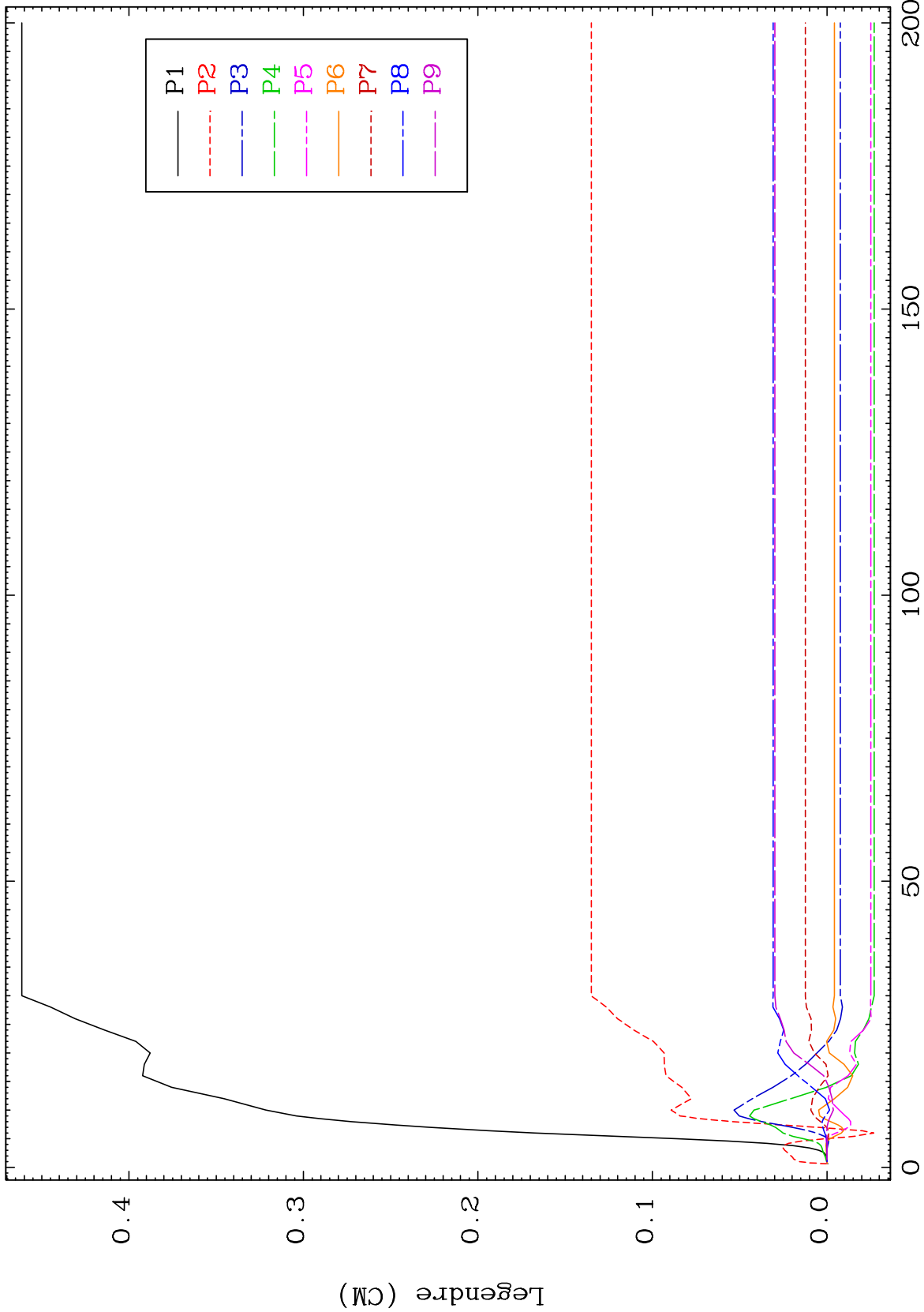
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



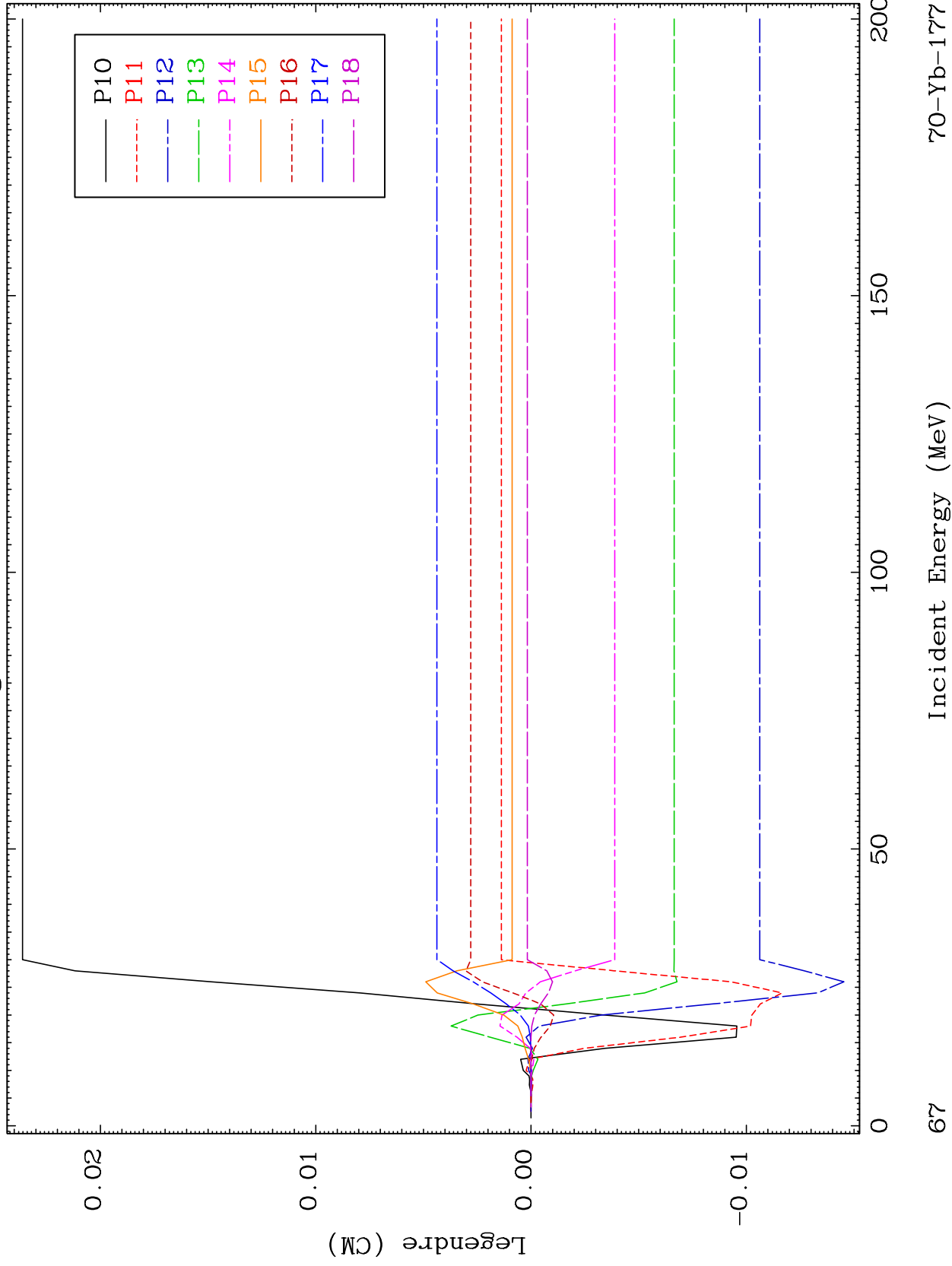
66

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

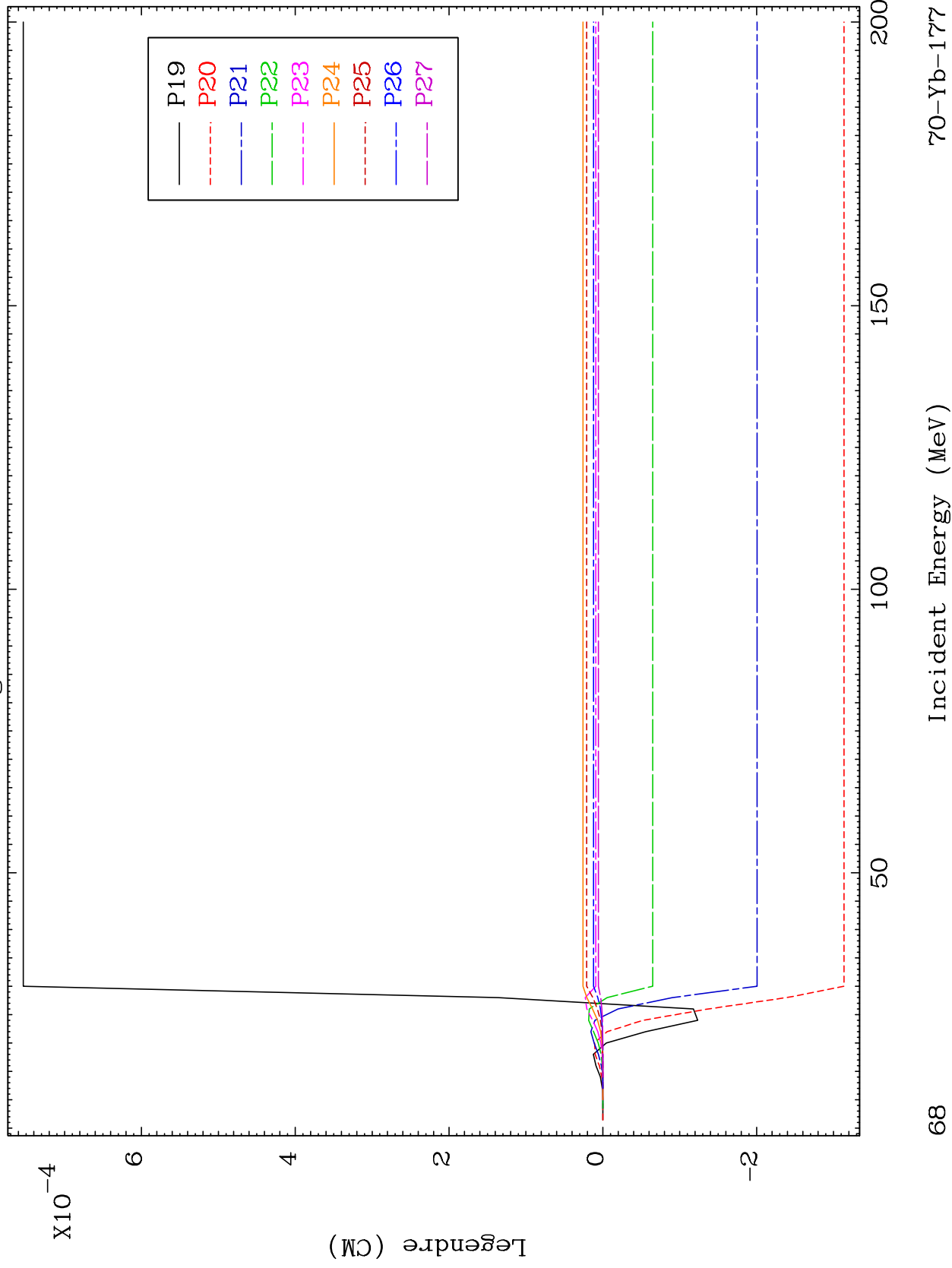
Incident Energy (MeV)

67

MAT 7052

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

70-Yb-177



68

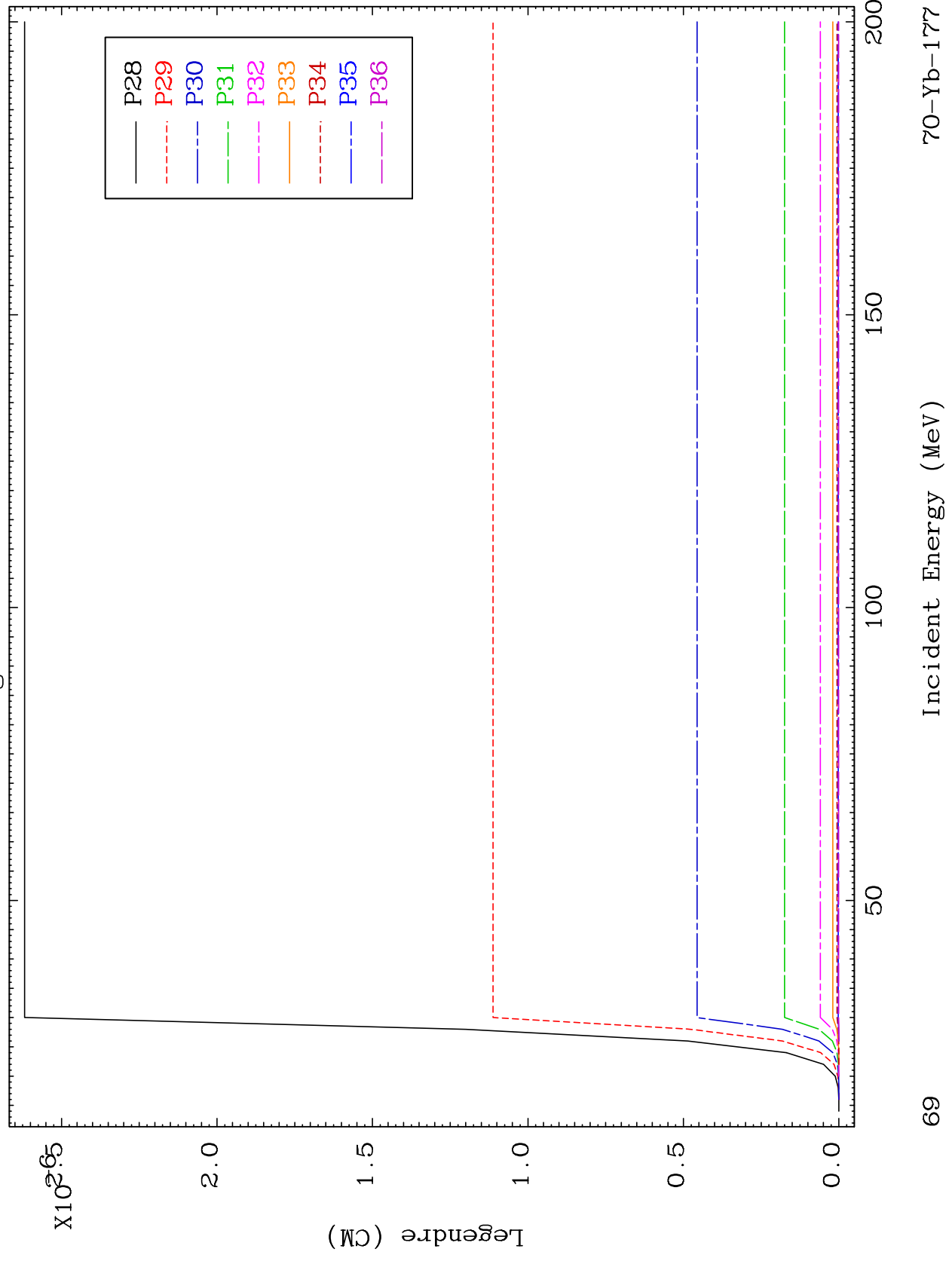
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



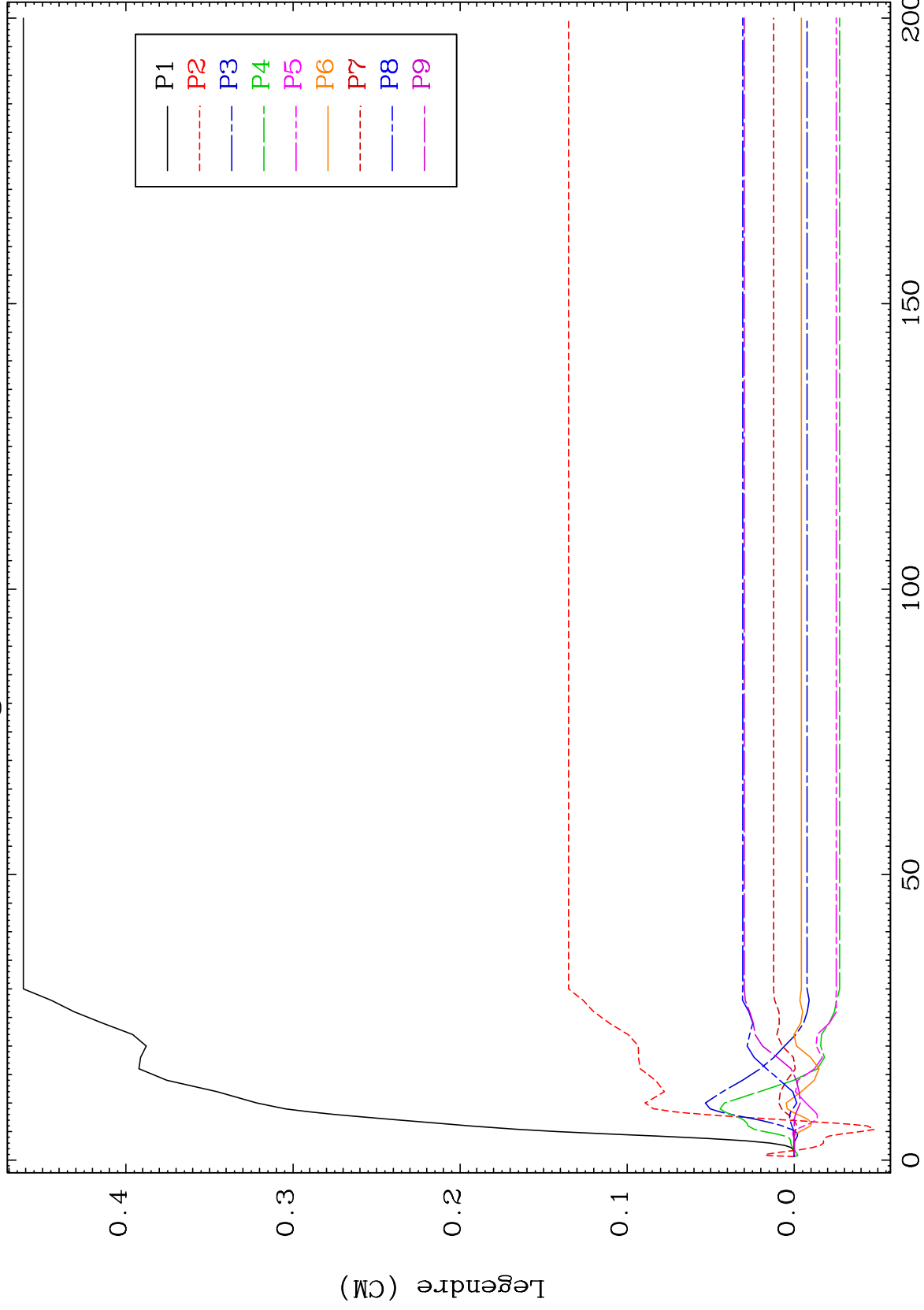
69

70-Yb-177

MAT 7052

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

70-Yb-177



0

50

100

150

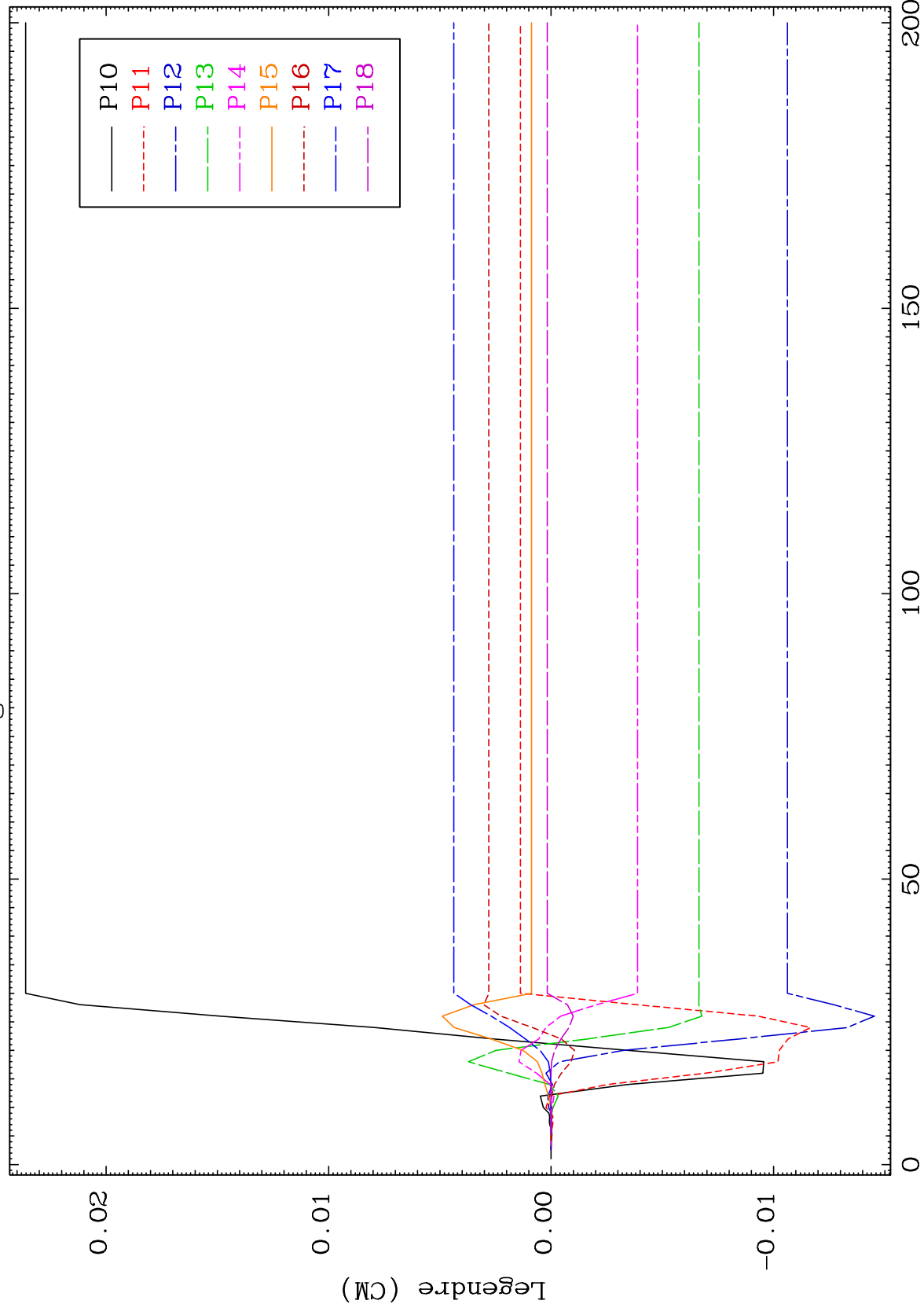
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70-Yb-177

MAT 7052

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

70-Yb-177



71

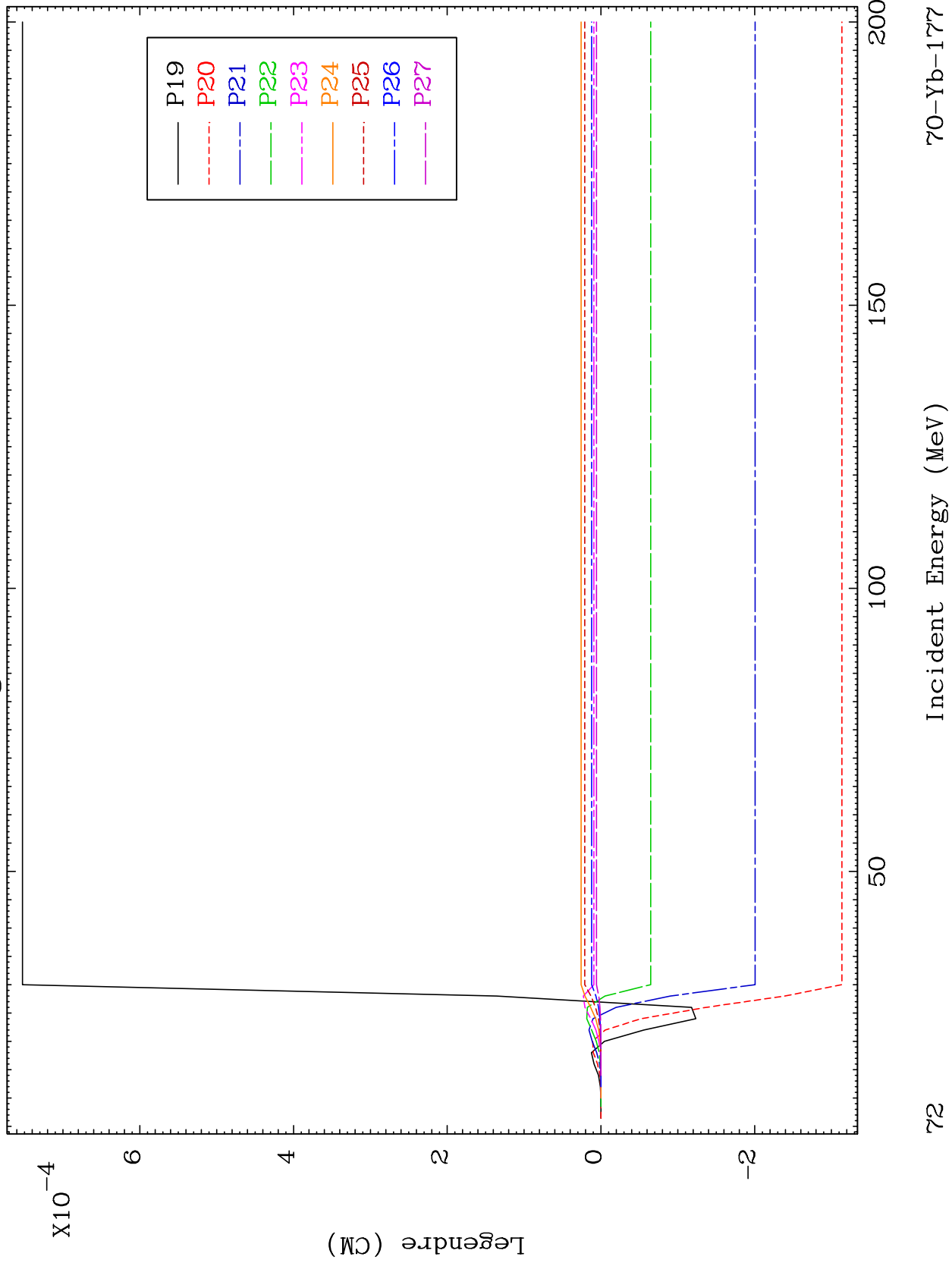
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

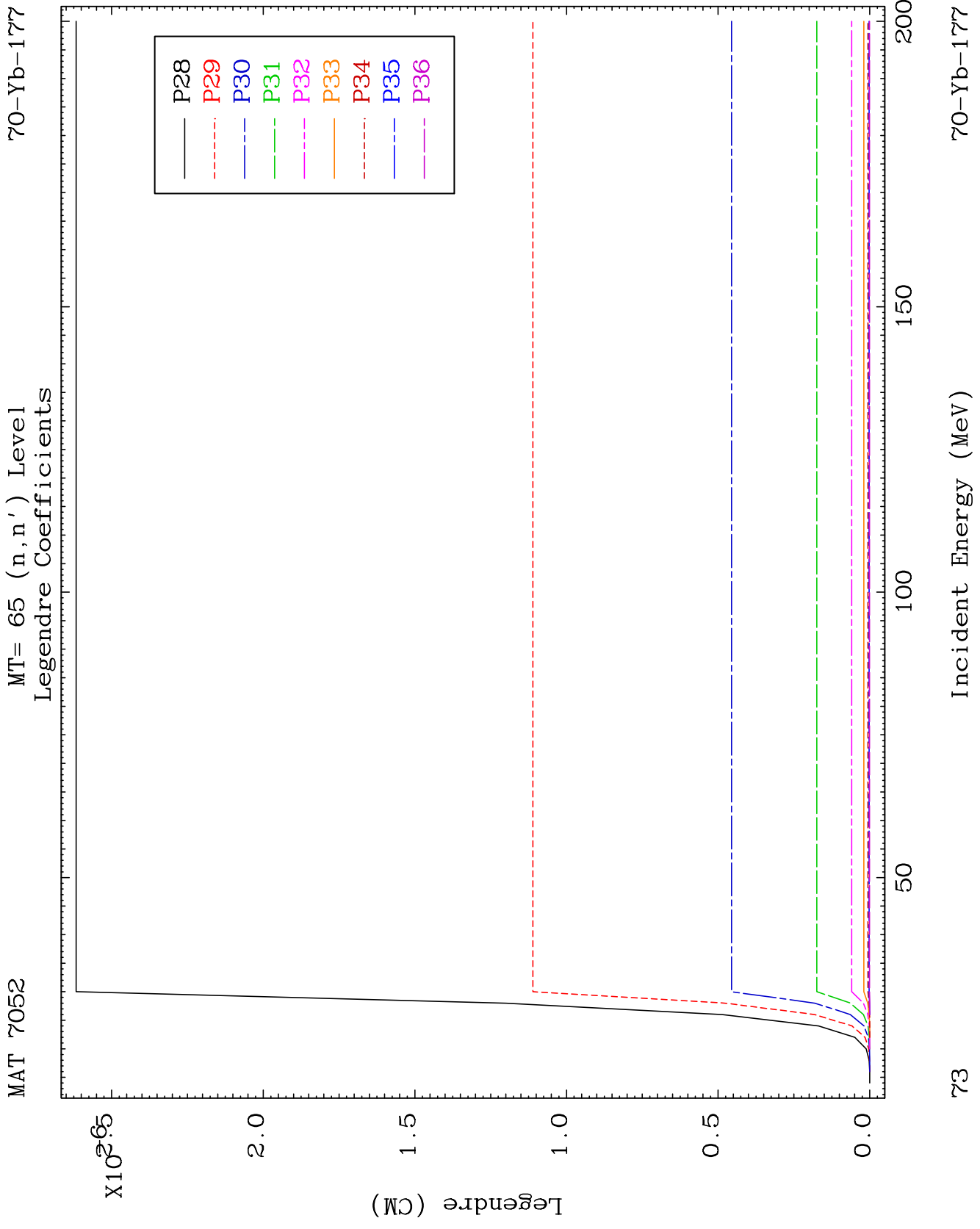
70-Yb-177



72

Incident Energy (MeV)

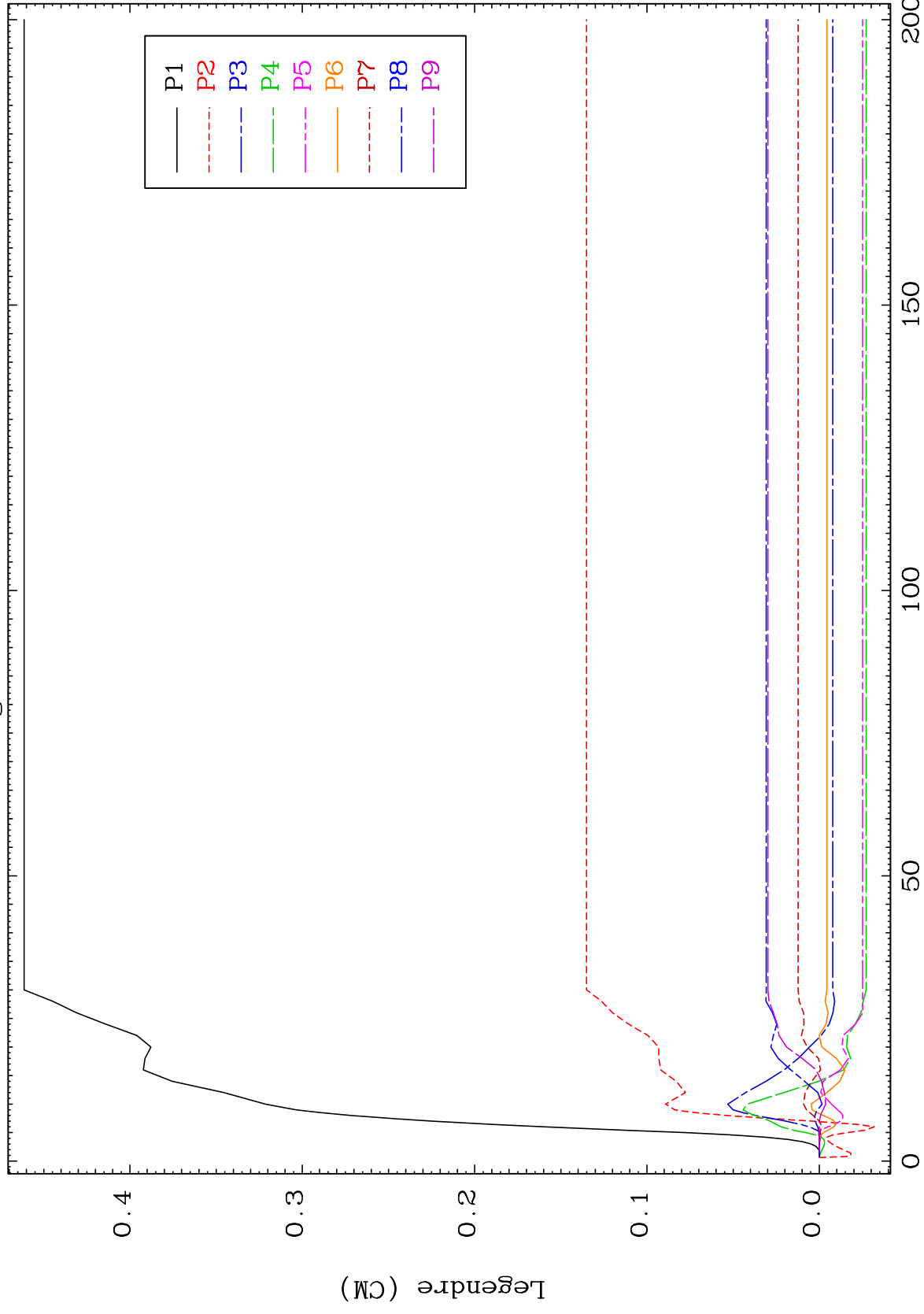
70-Yb-177



MAT 7052

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

70-Yb-177



70-Yb-177

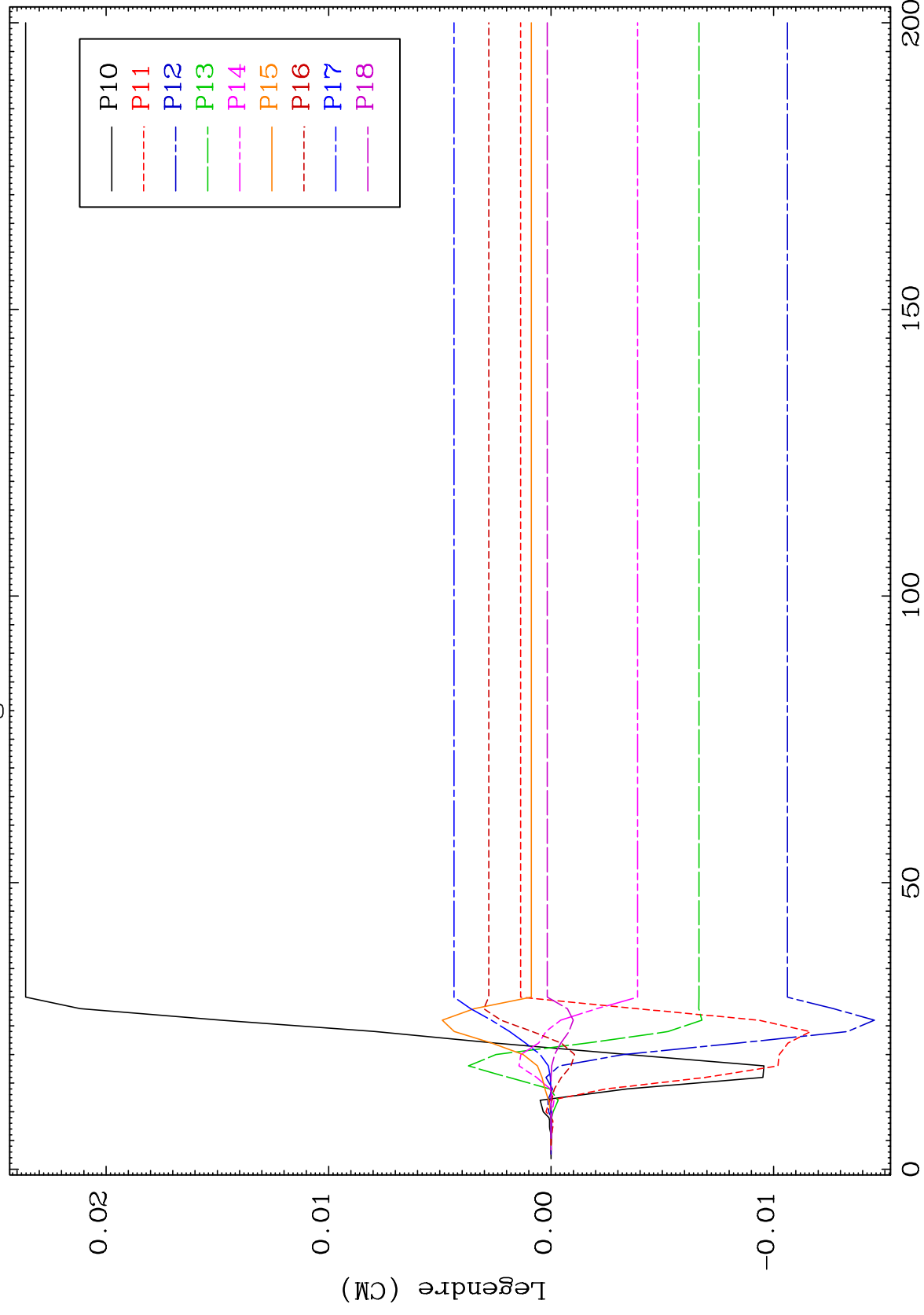
Incident Energy (MeV)

74

MAT 7052

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

70-Yb-177



75

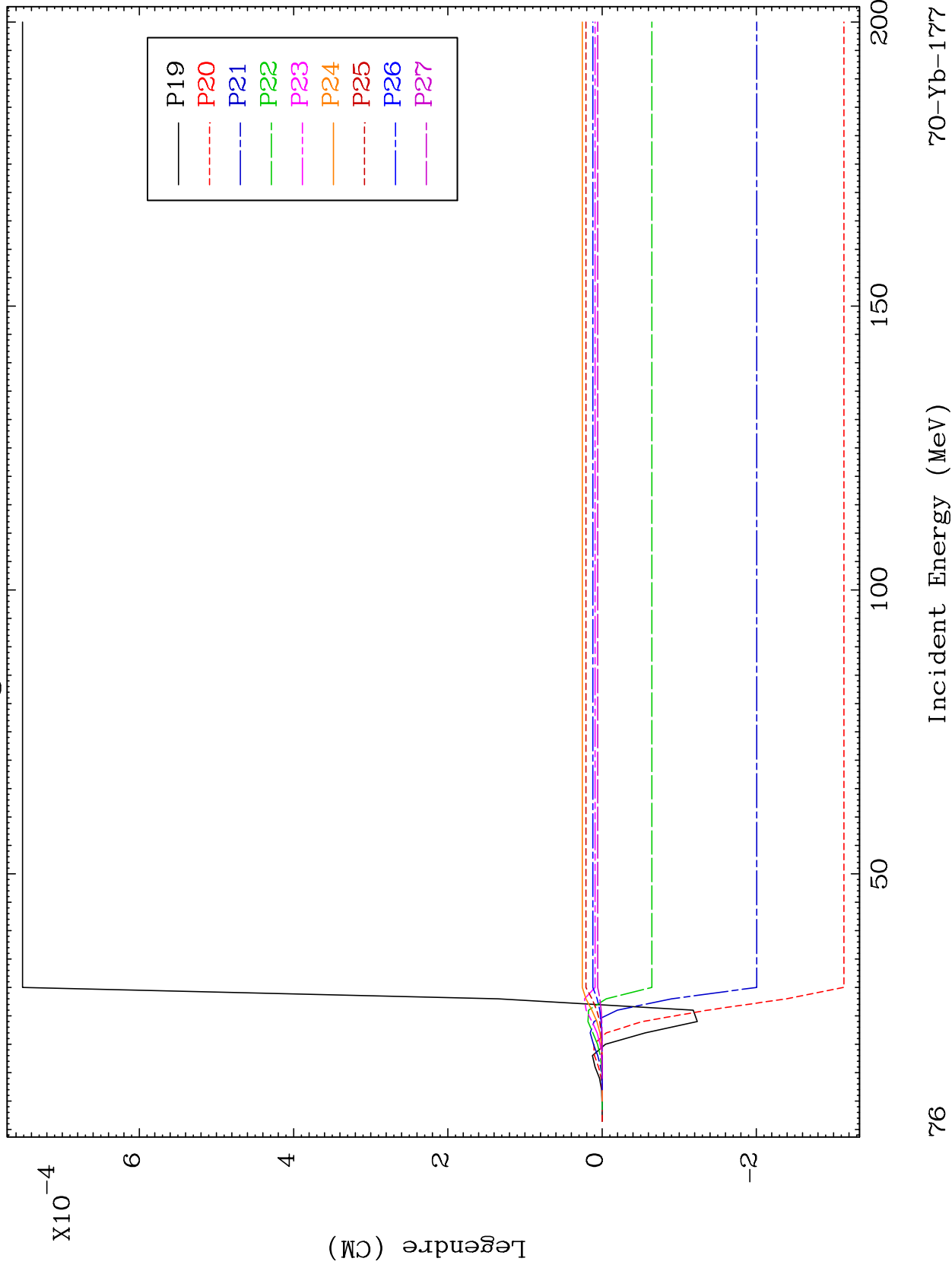
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



76

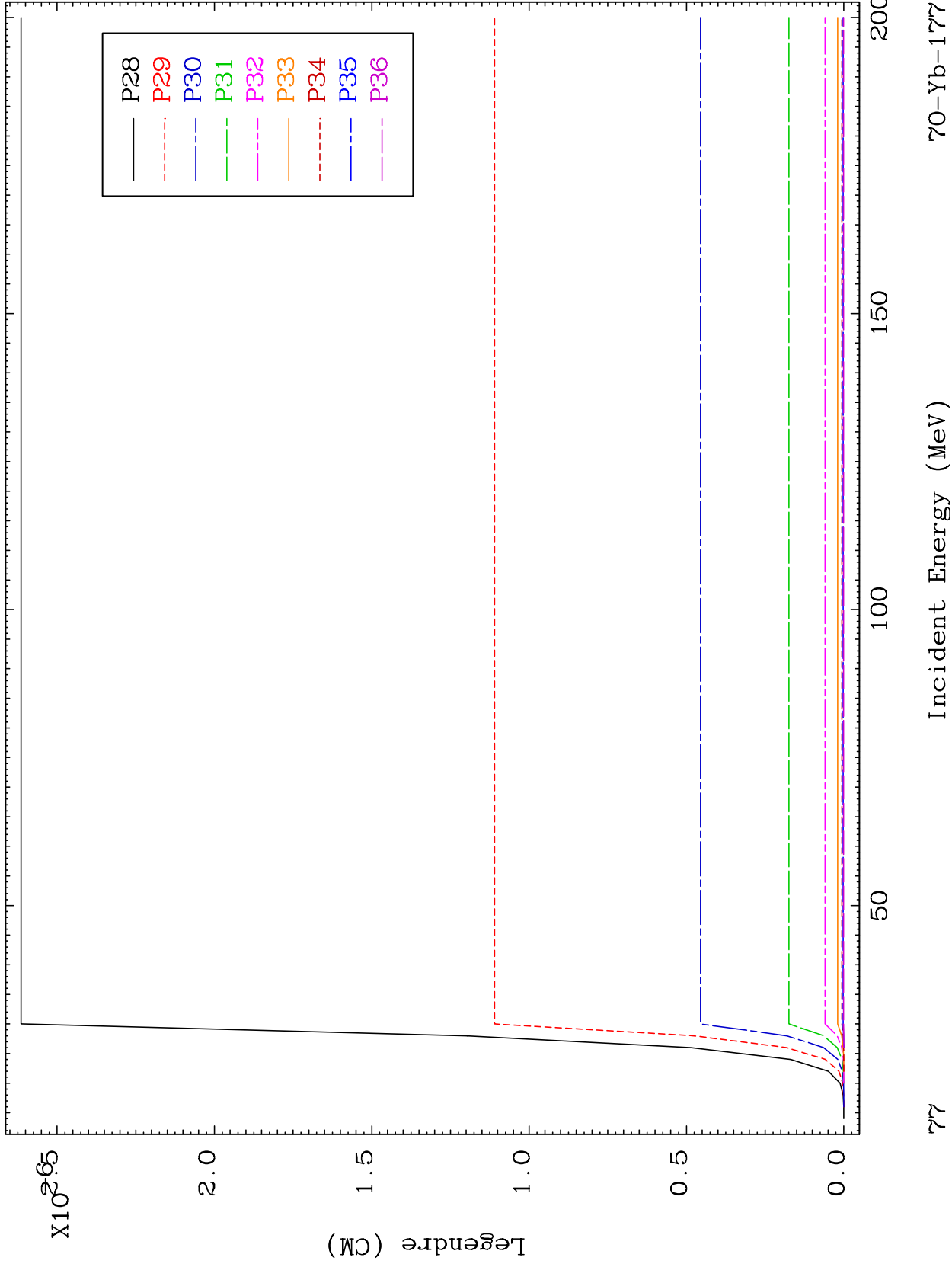
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



77

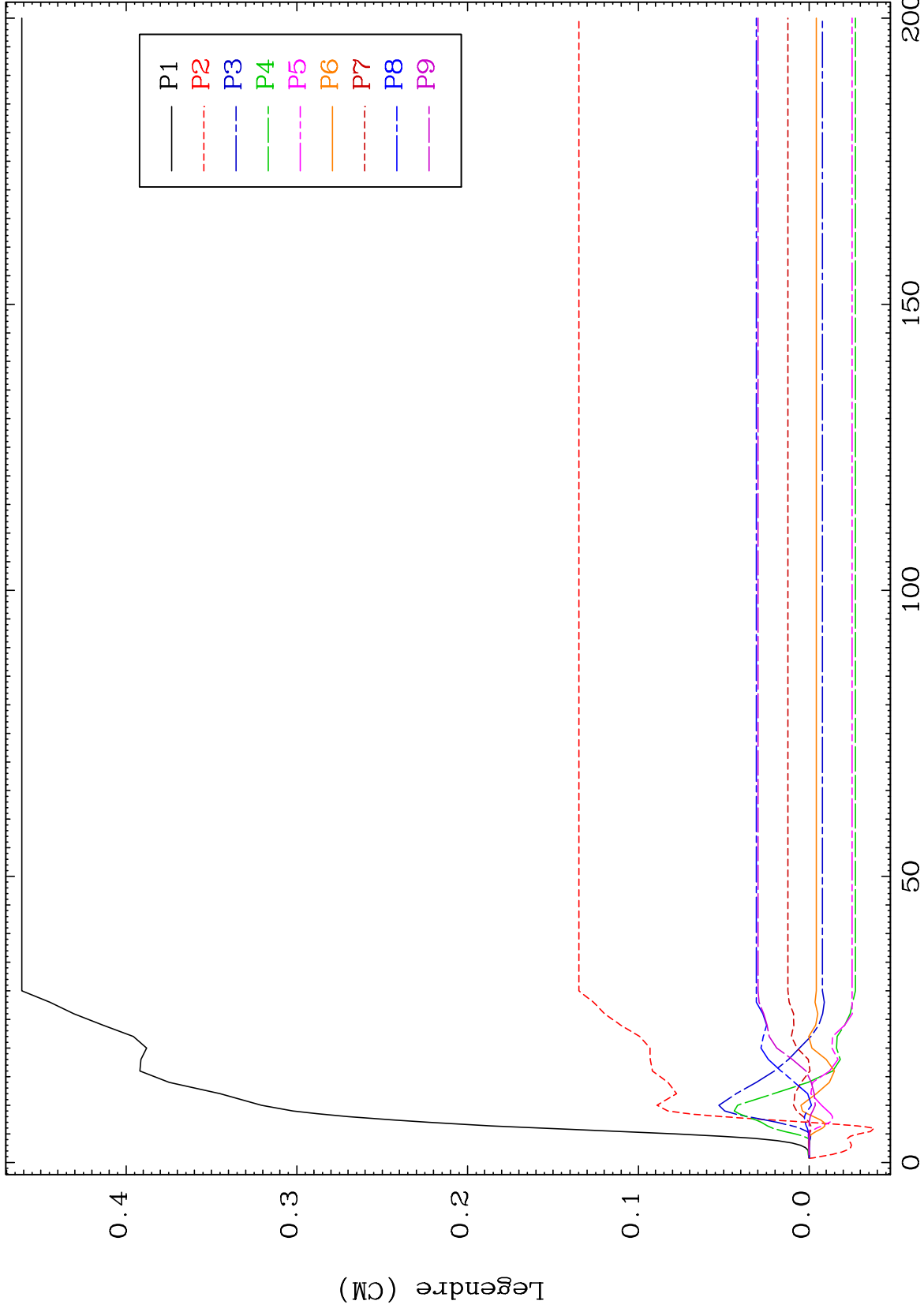
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



78

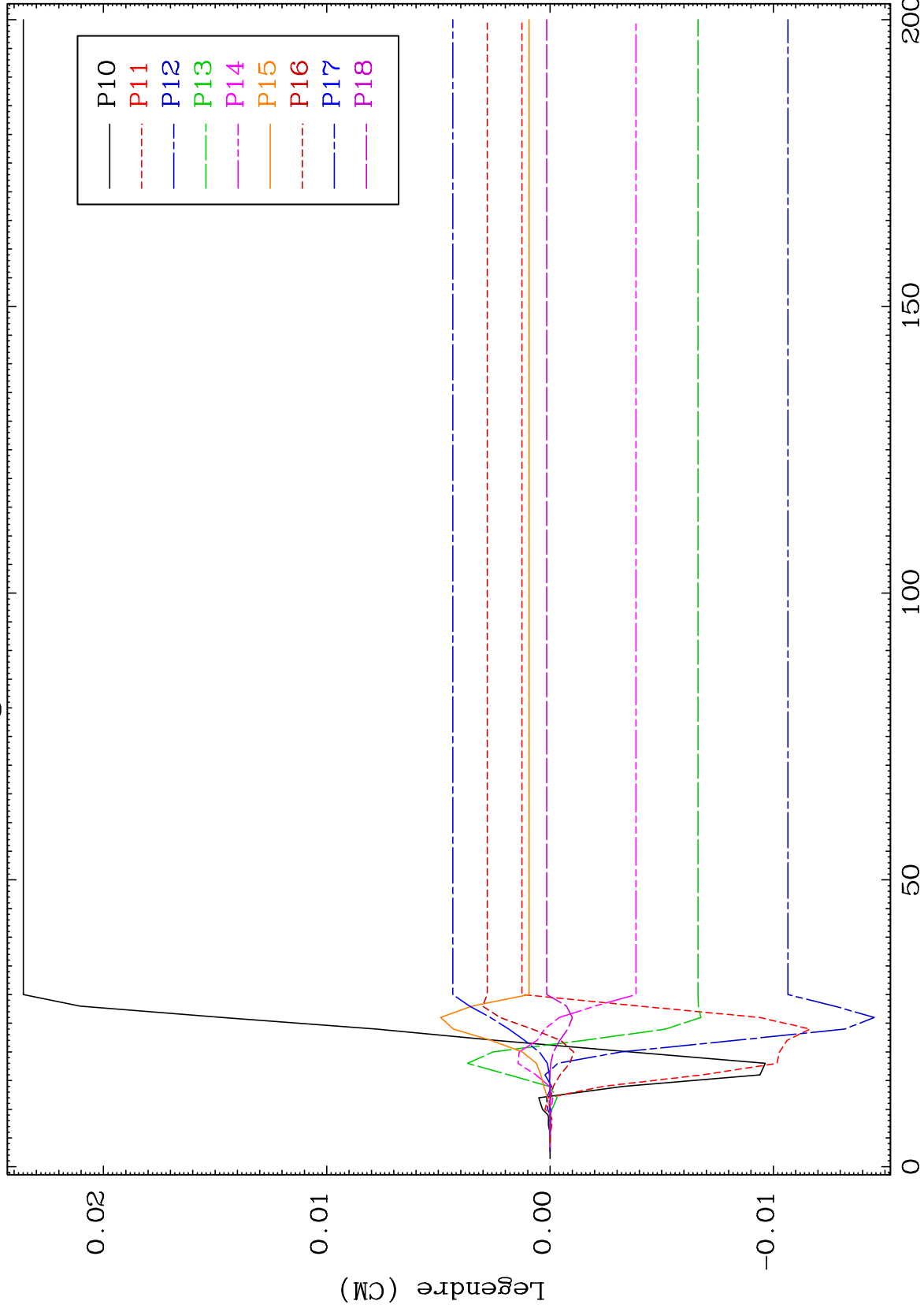
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



79

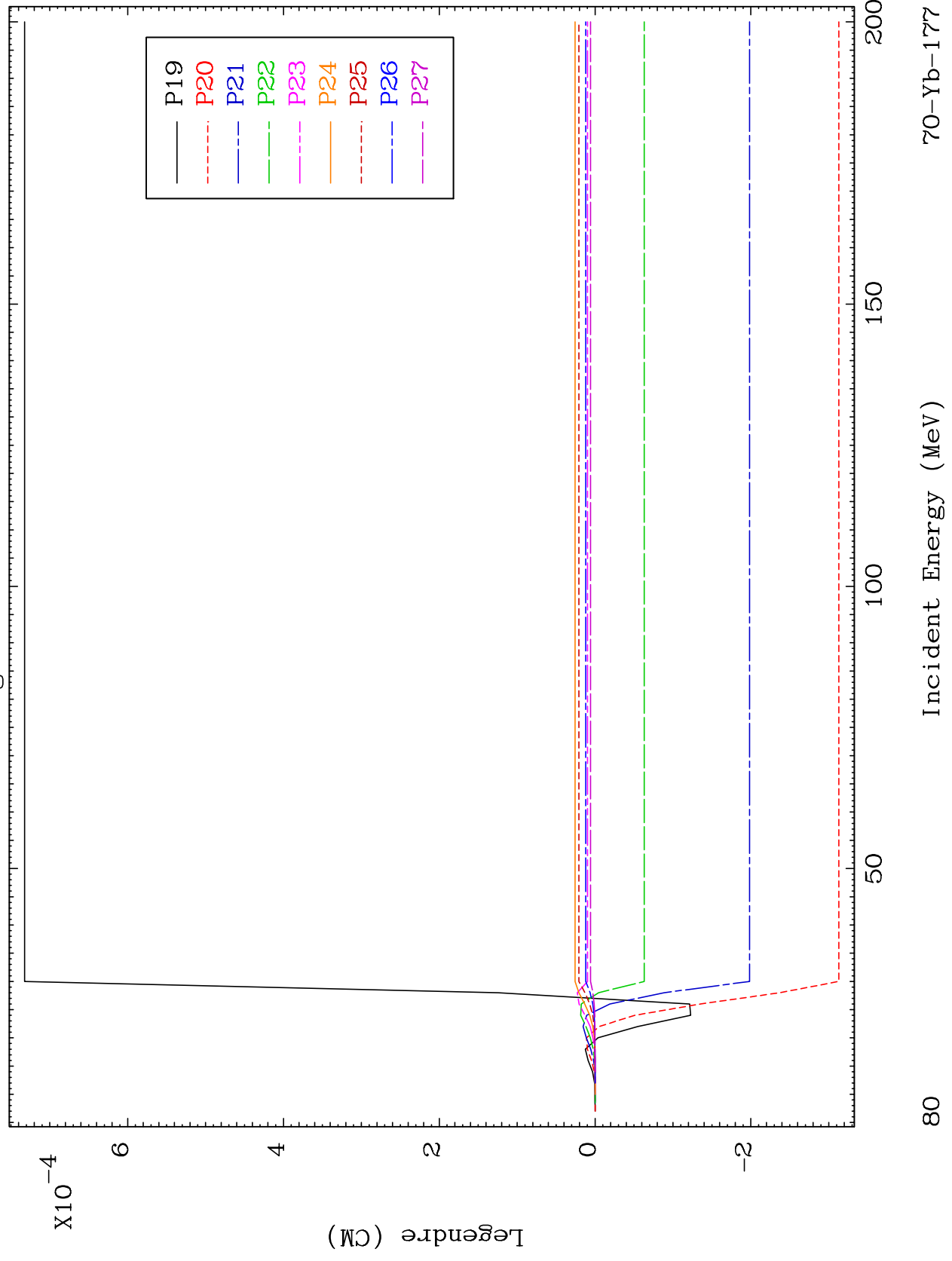
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



80

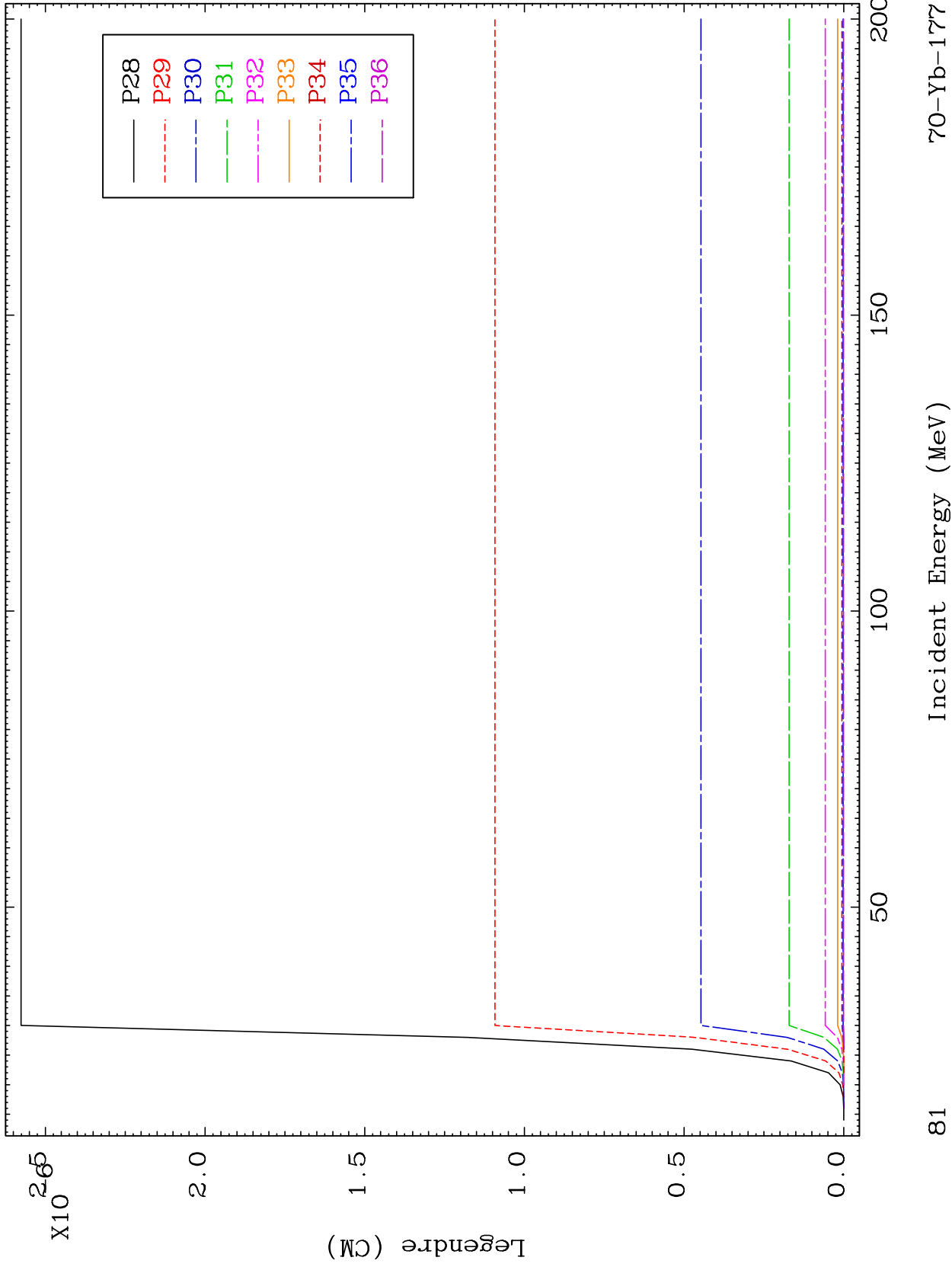
Incident Energy (MeV)

70-Yb-177

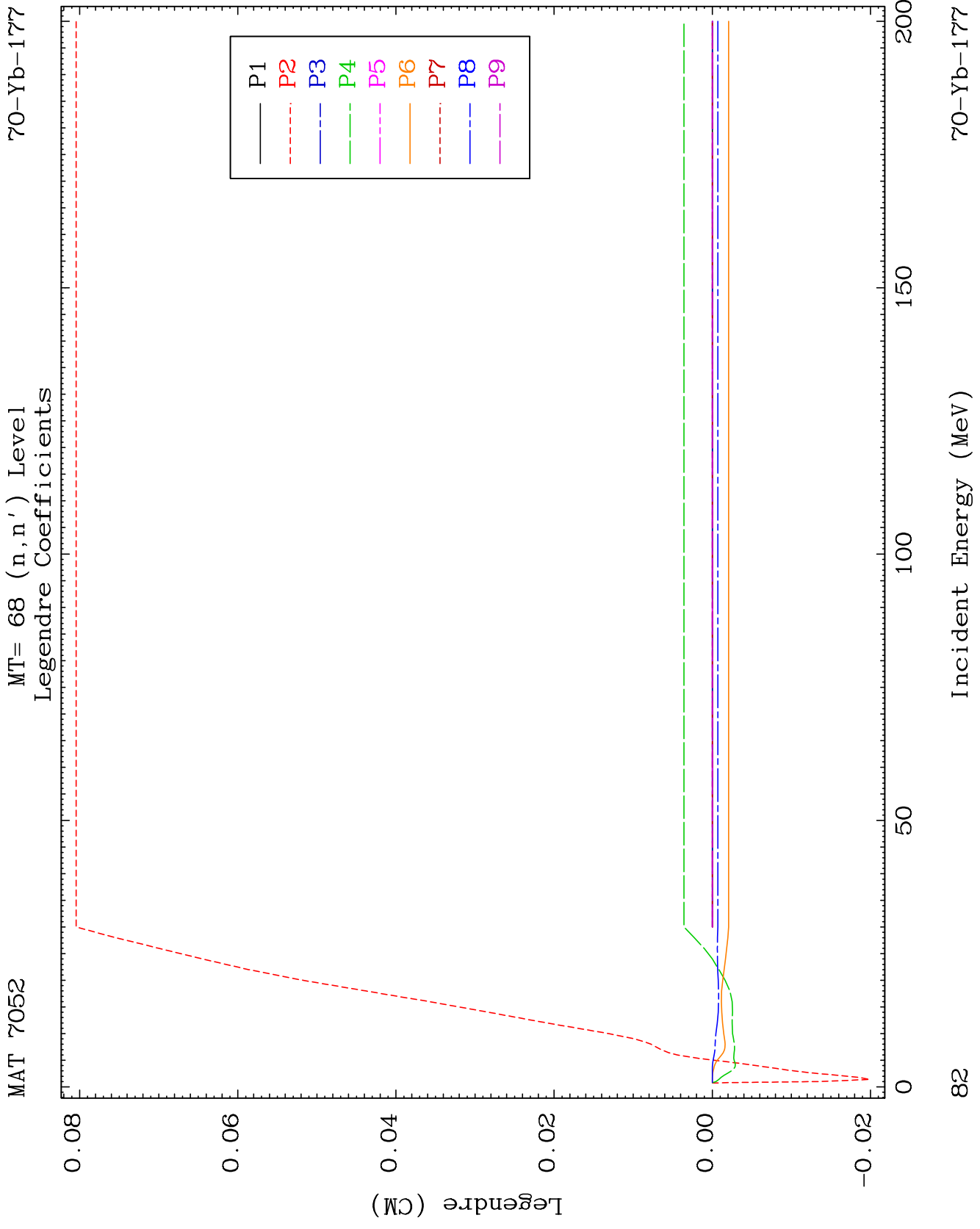
MAT 7052

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

70-Yb-177



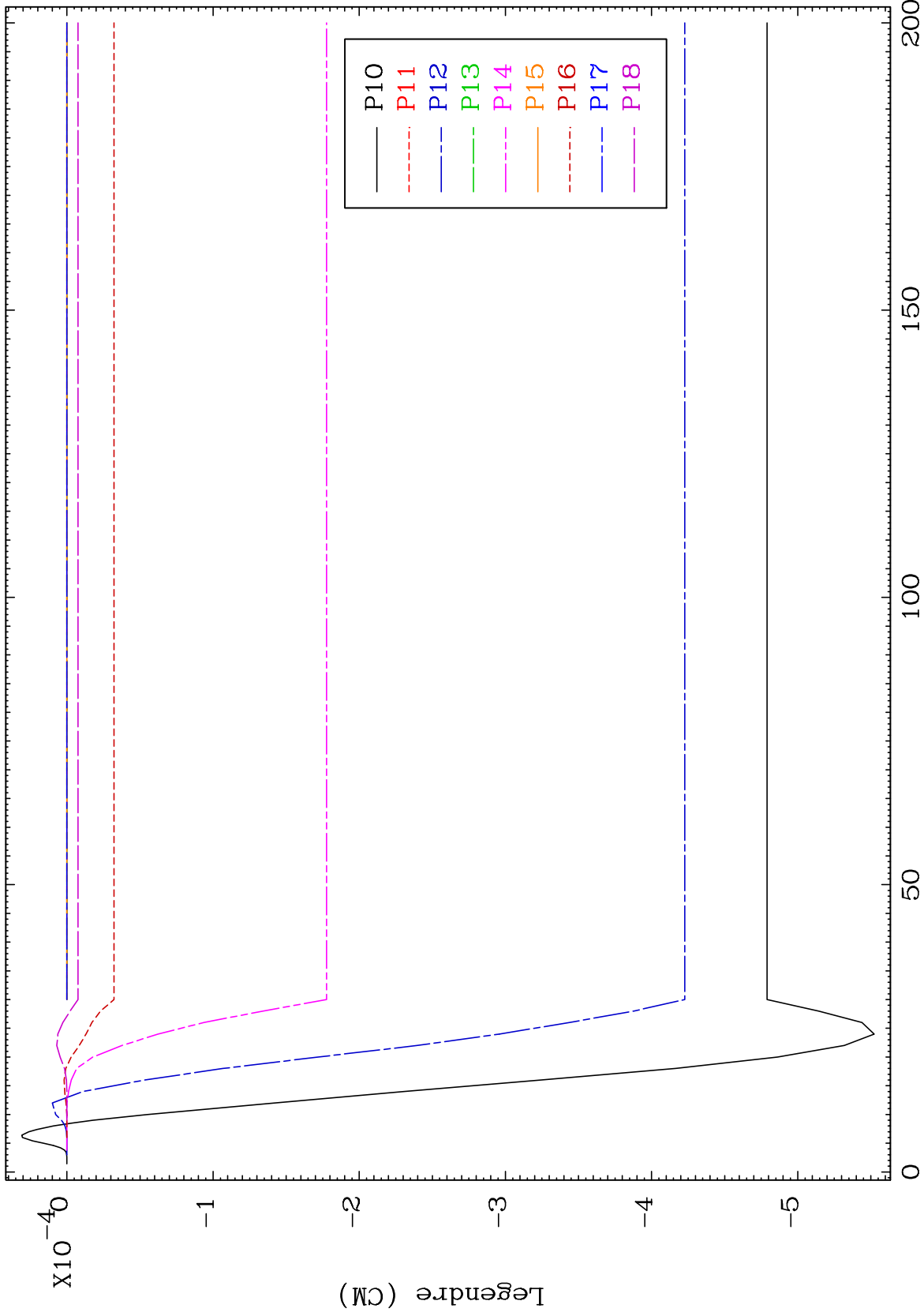
81



MAT 7052

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

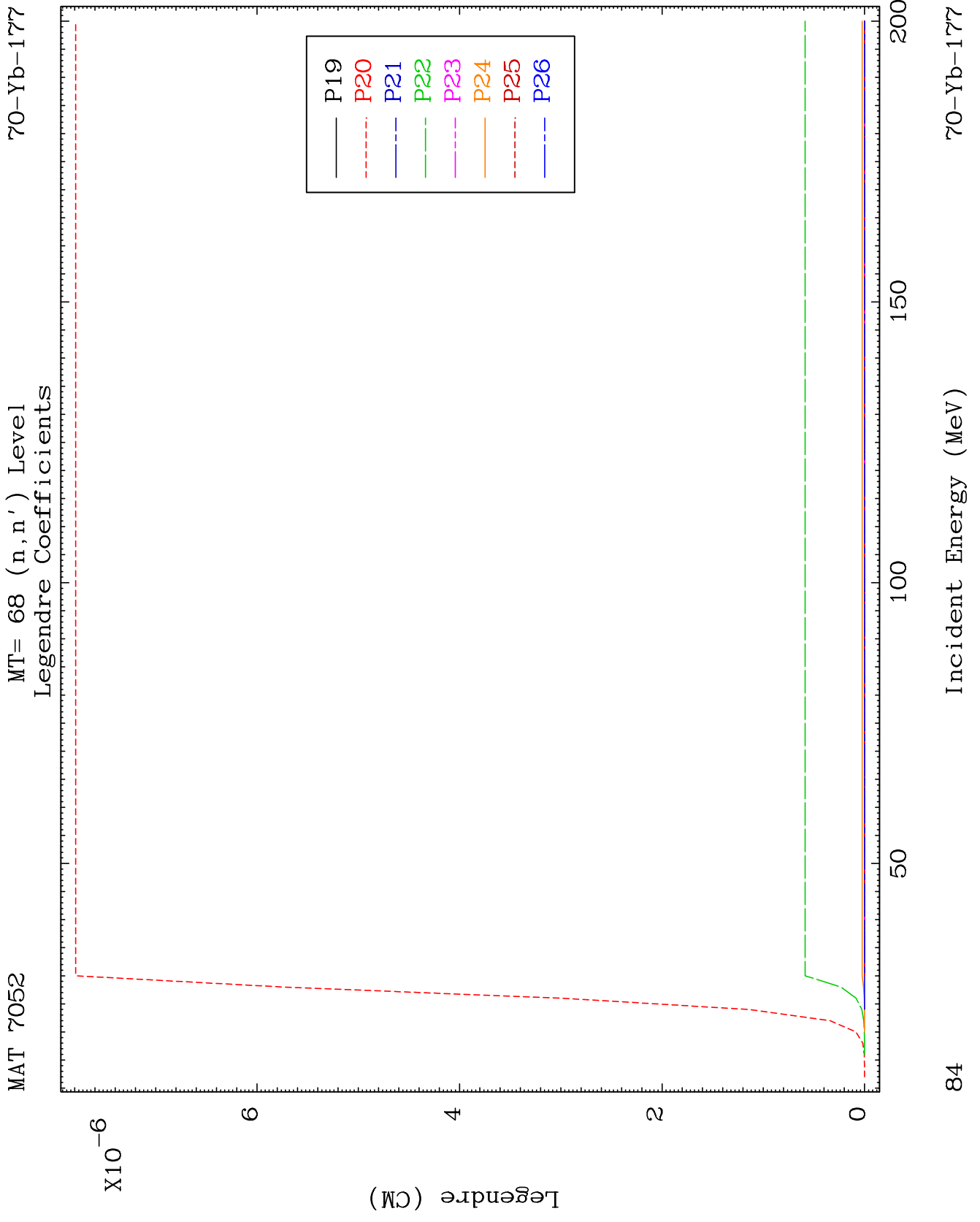
70-Yb-177

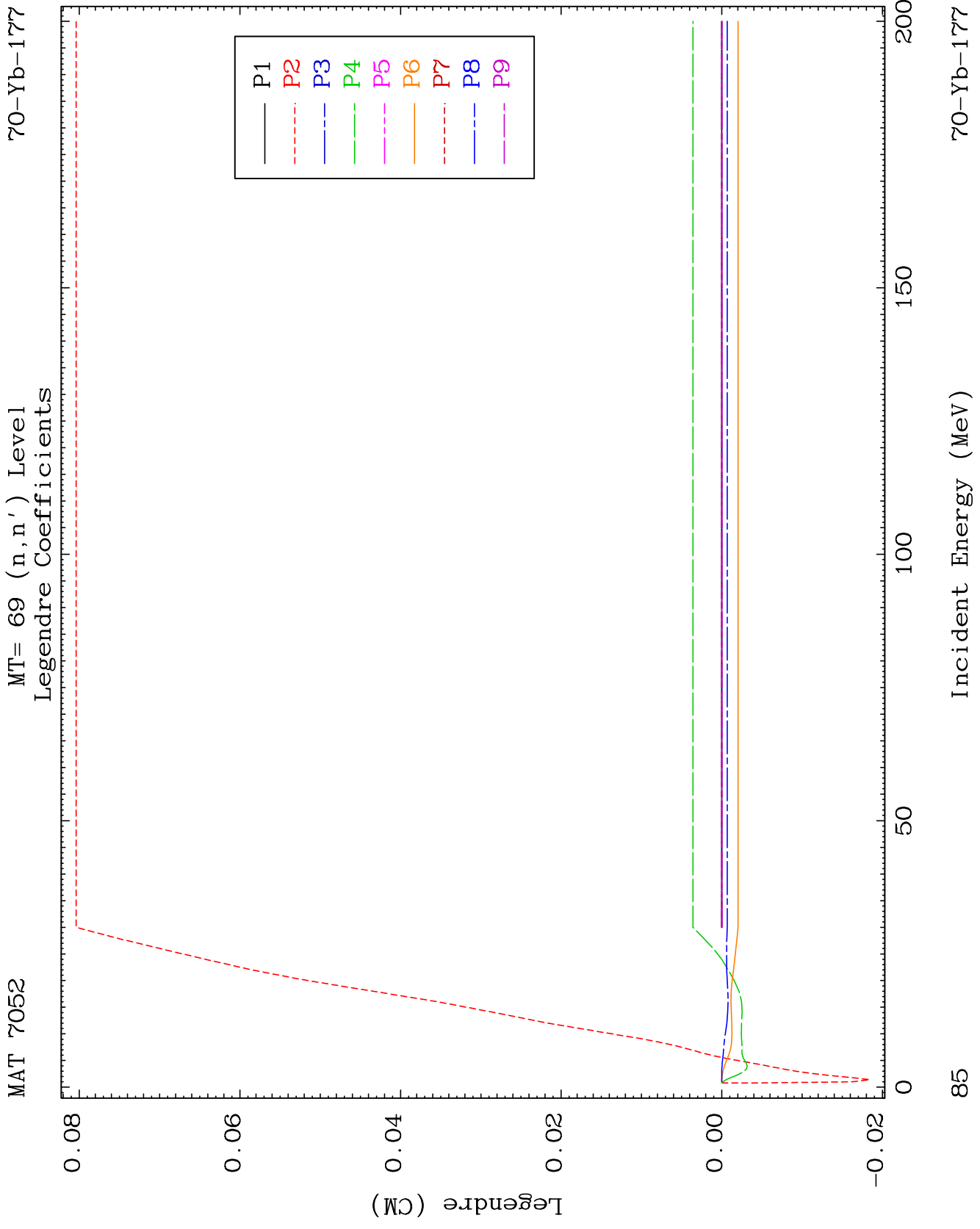


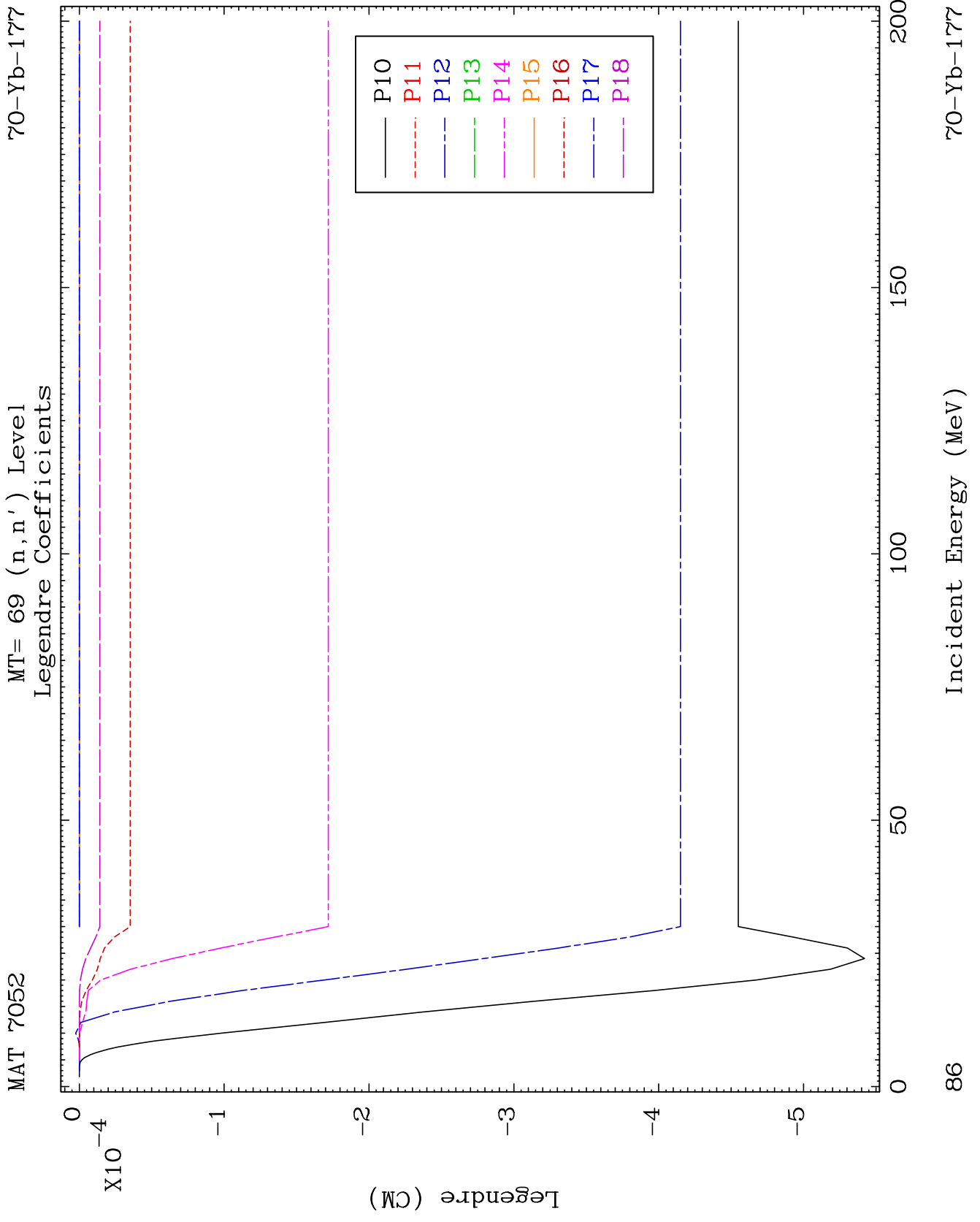
83

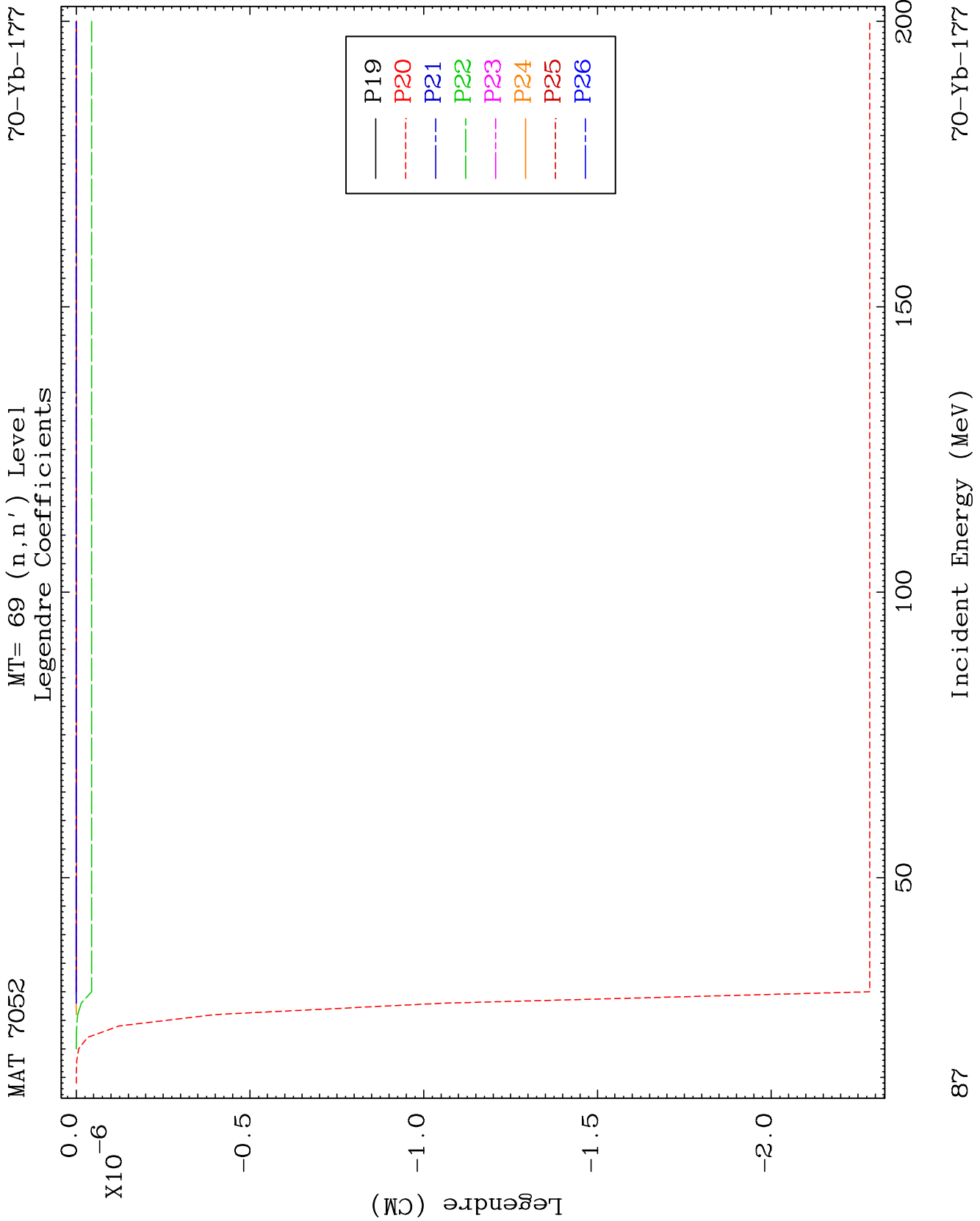
Incident Energy (MeV)

70-Yb-177





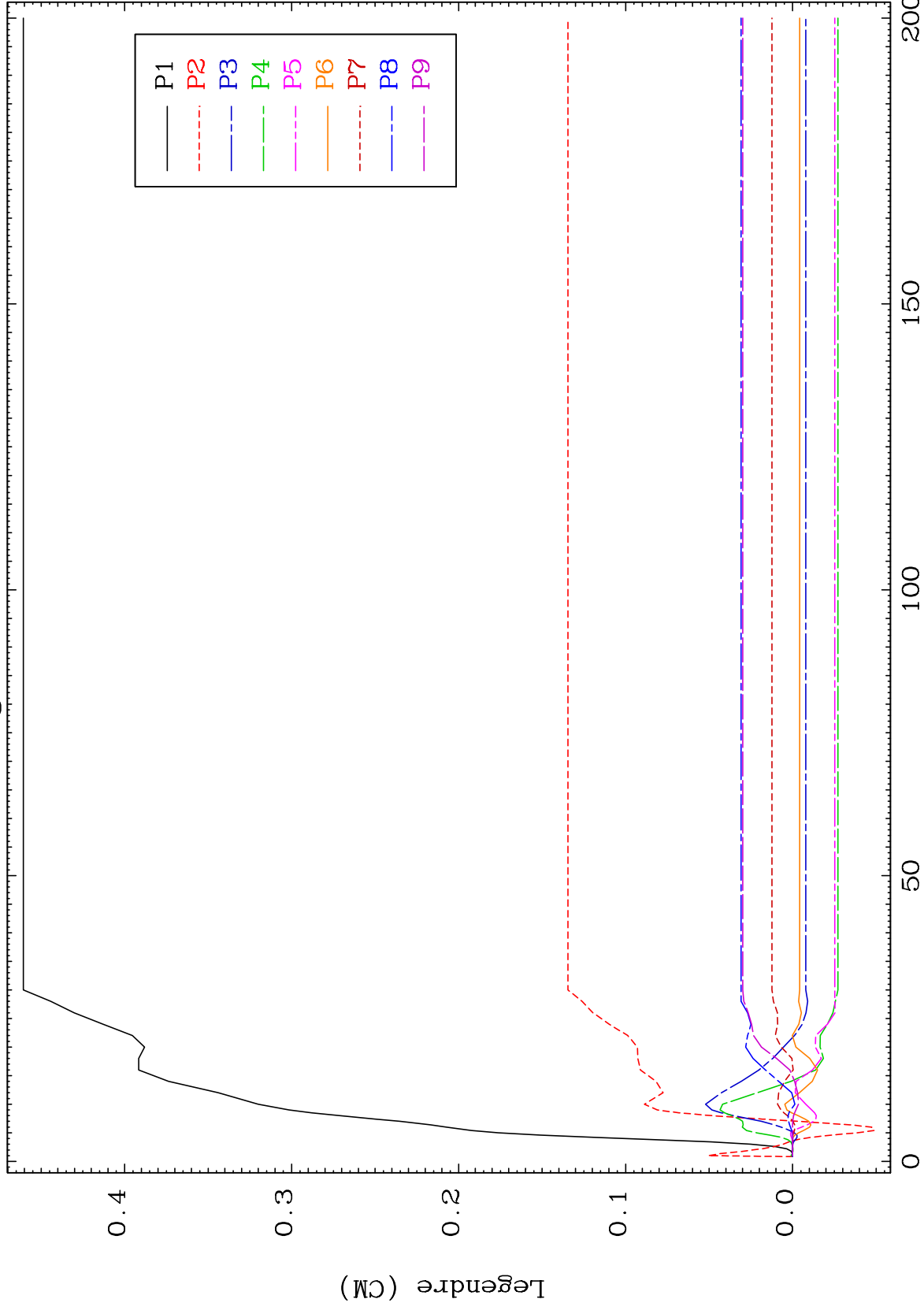




MAT 7052

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

70-Yb-177



88

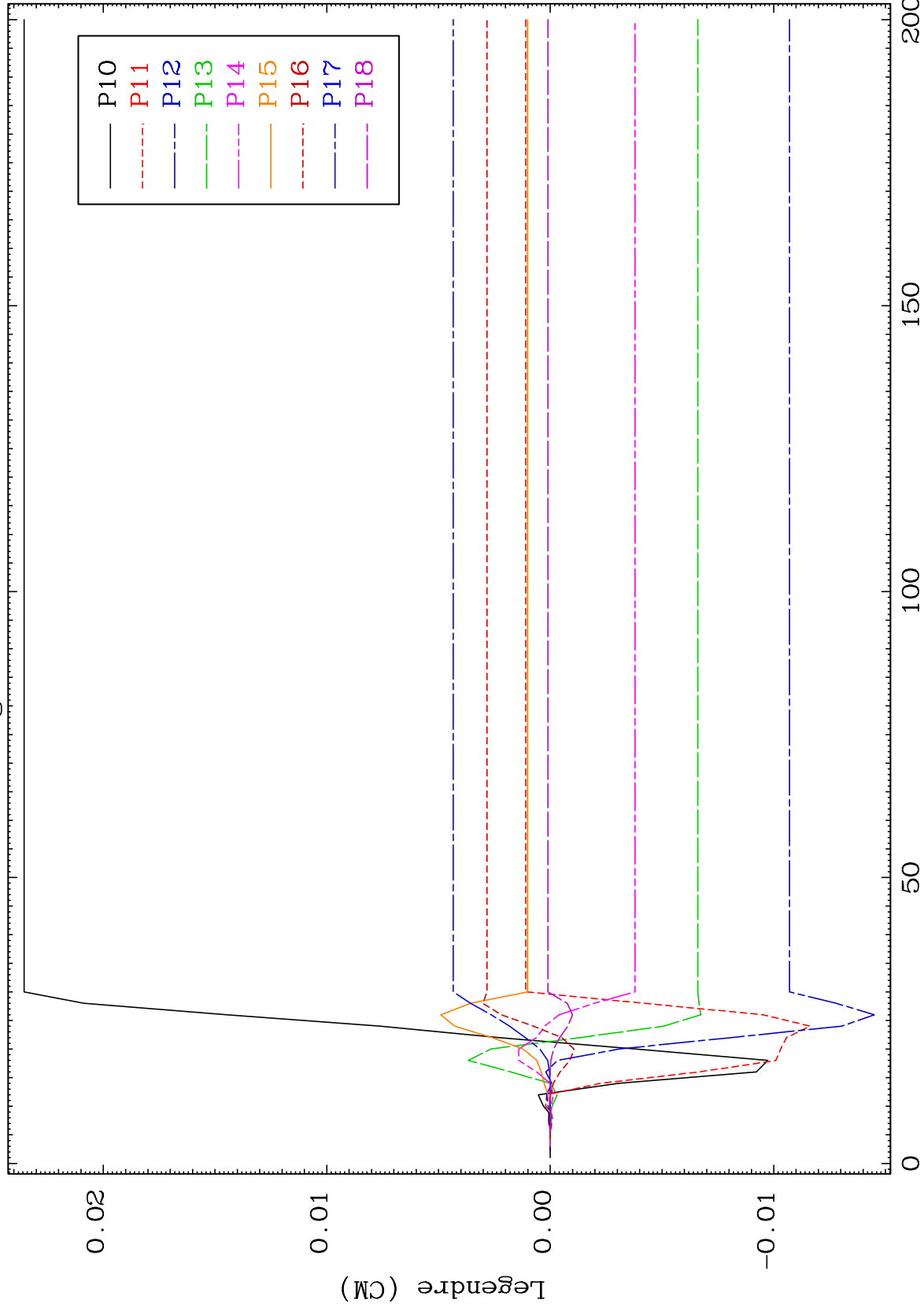
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



89

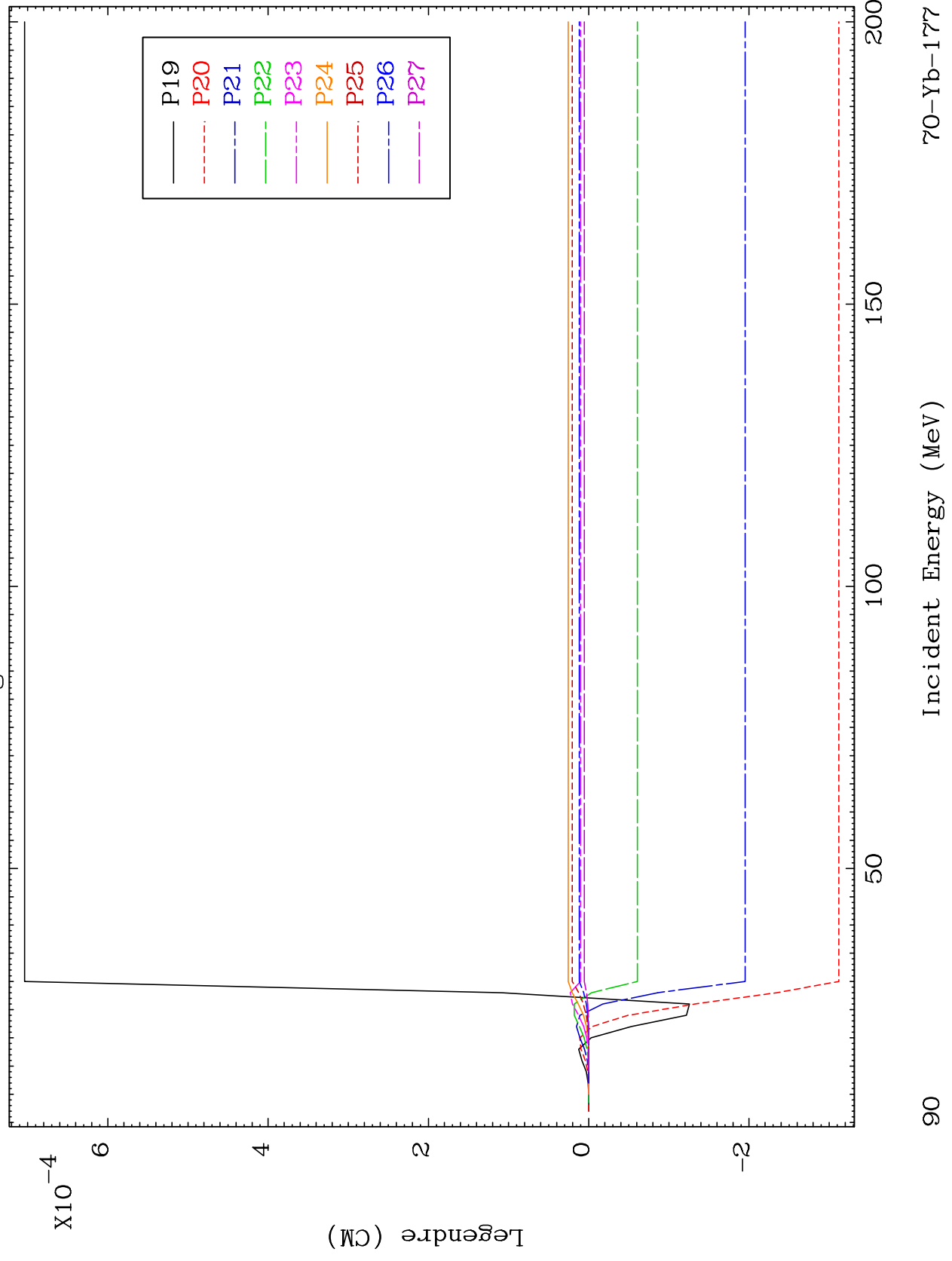
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



90

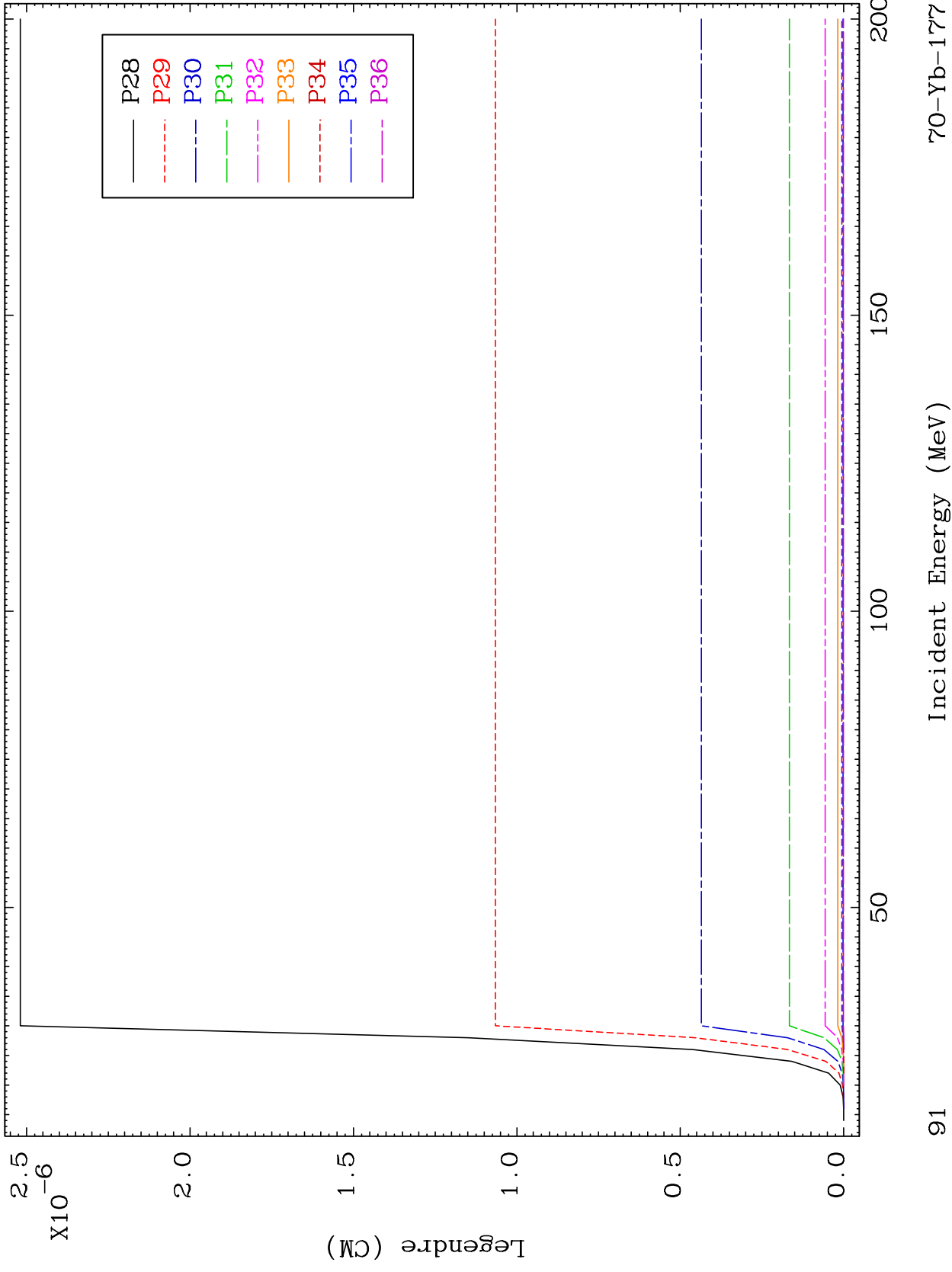
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



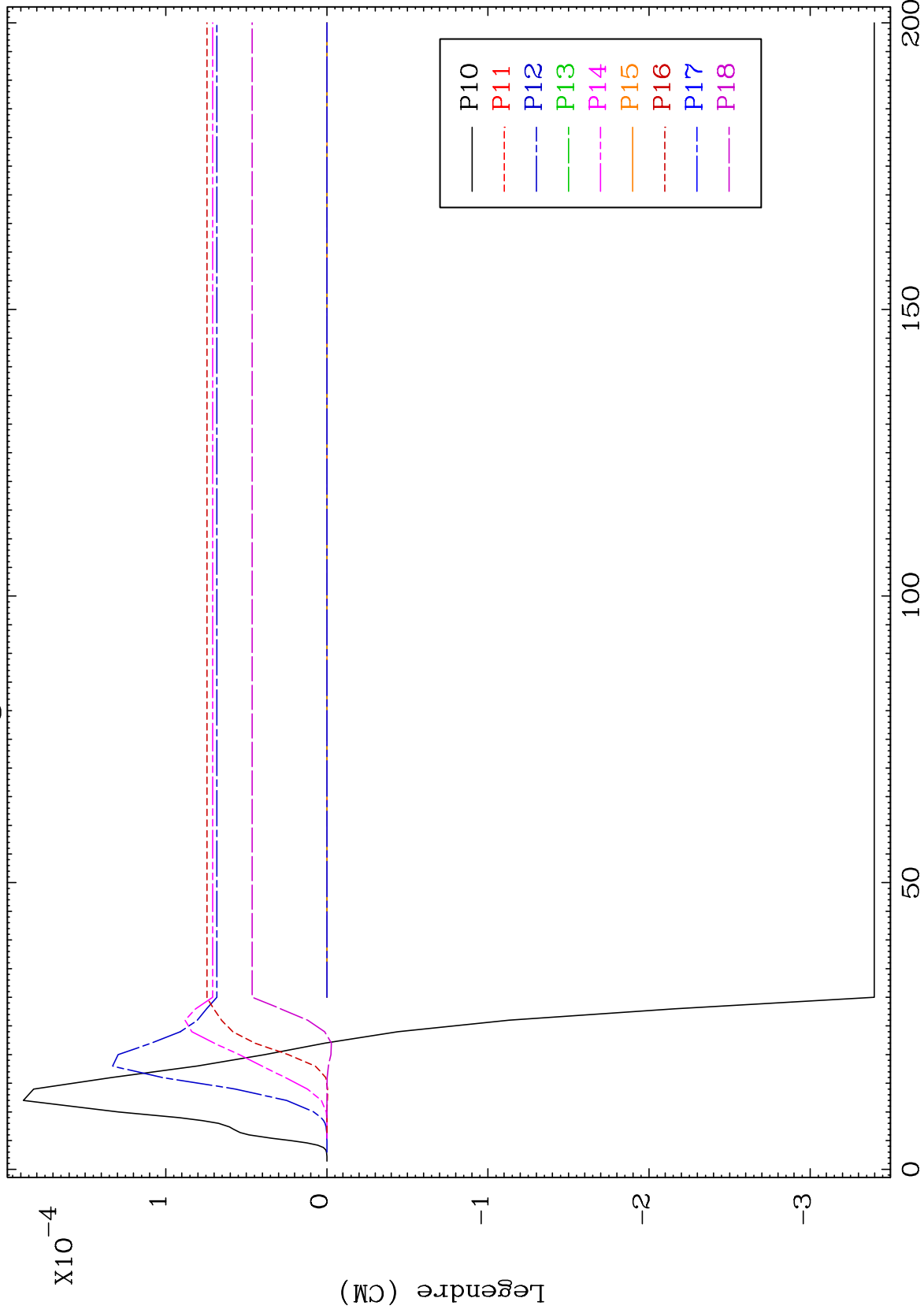
91



MAT 7052

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

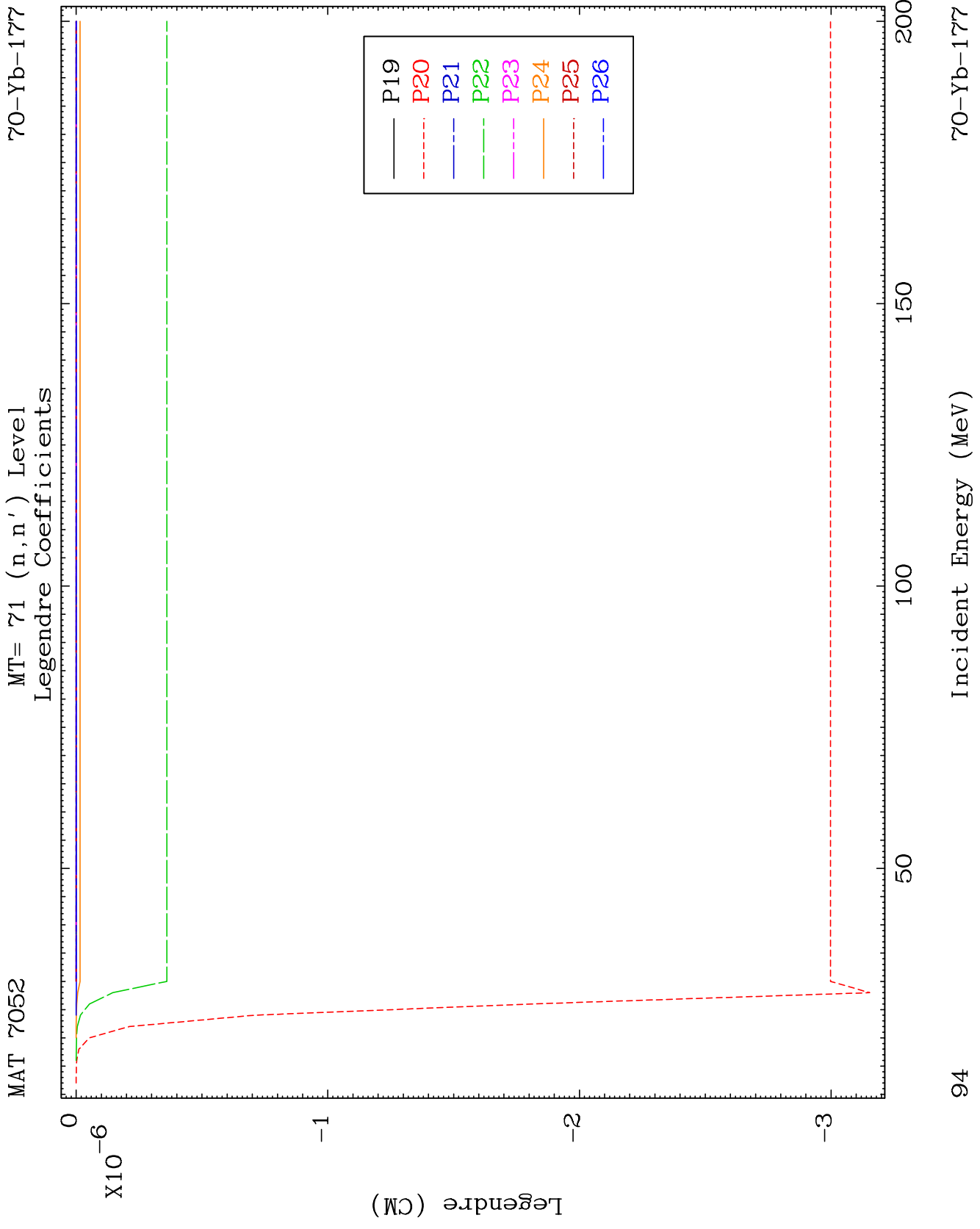
70-Yb-177

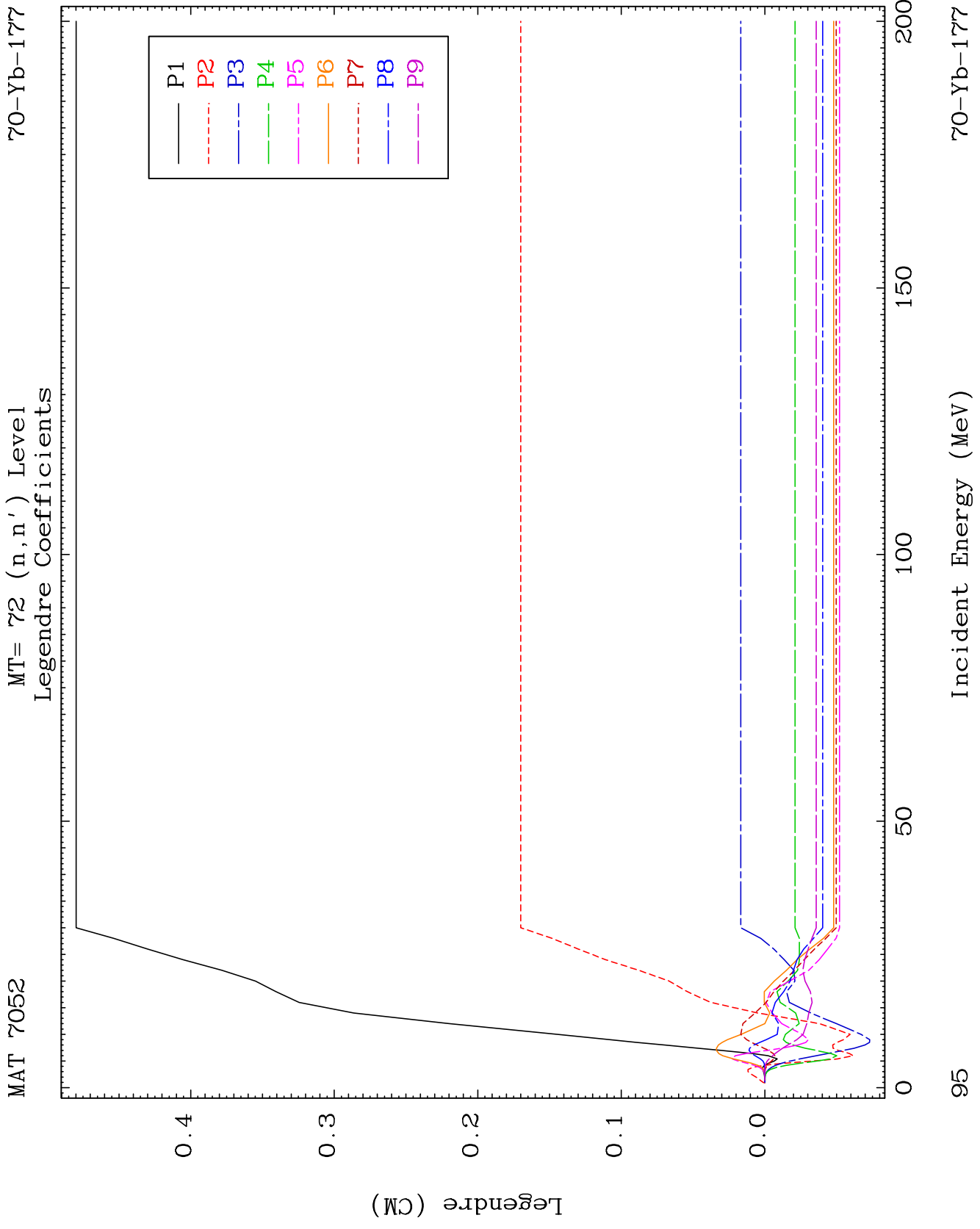


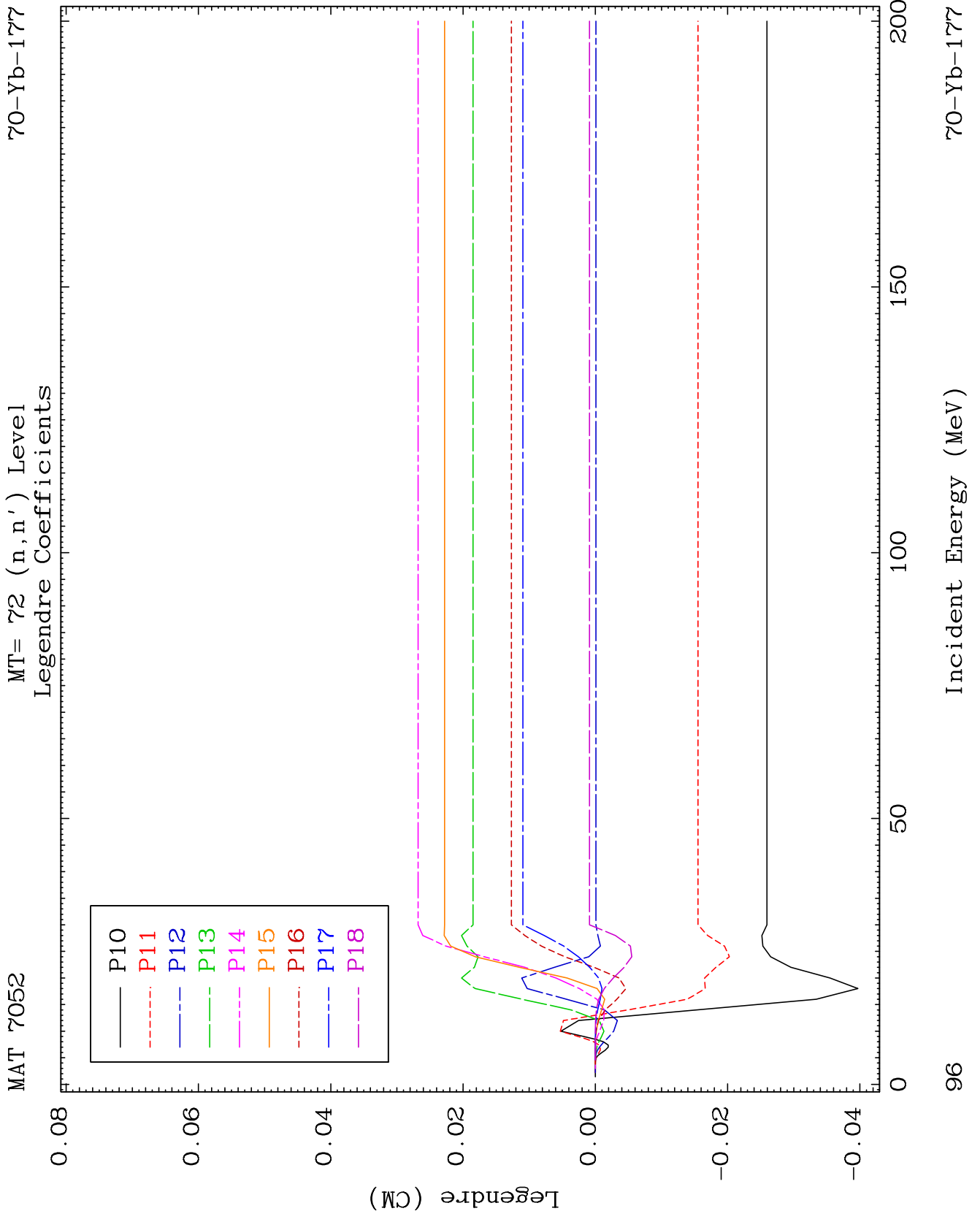
93

Incident Energy (MeV)

70-Yb-177



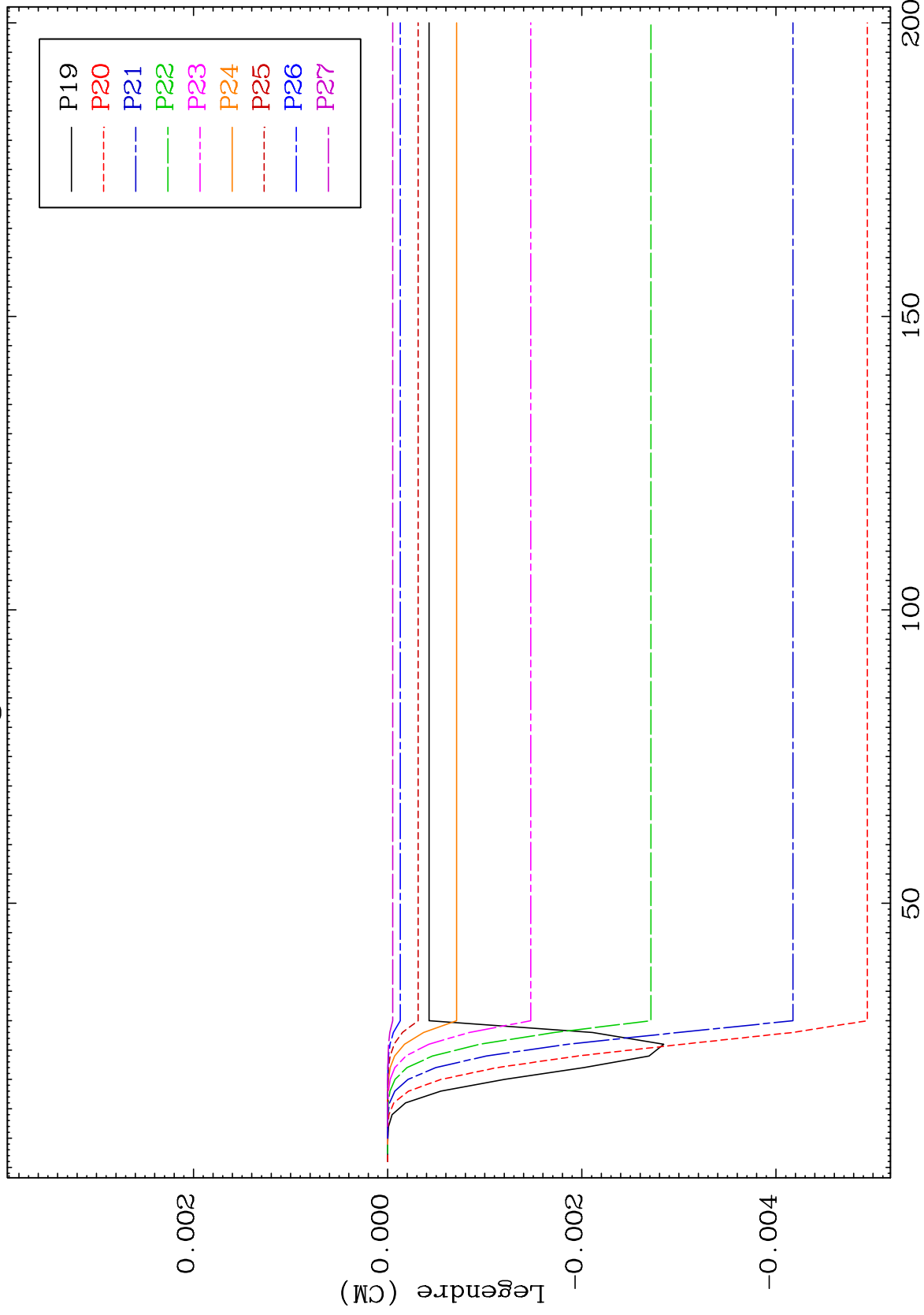




MAT 7052

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

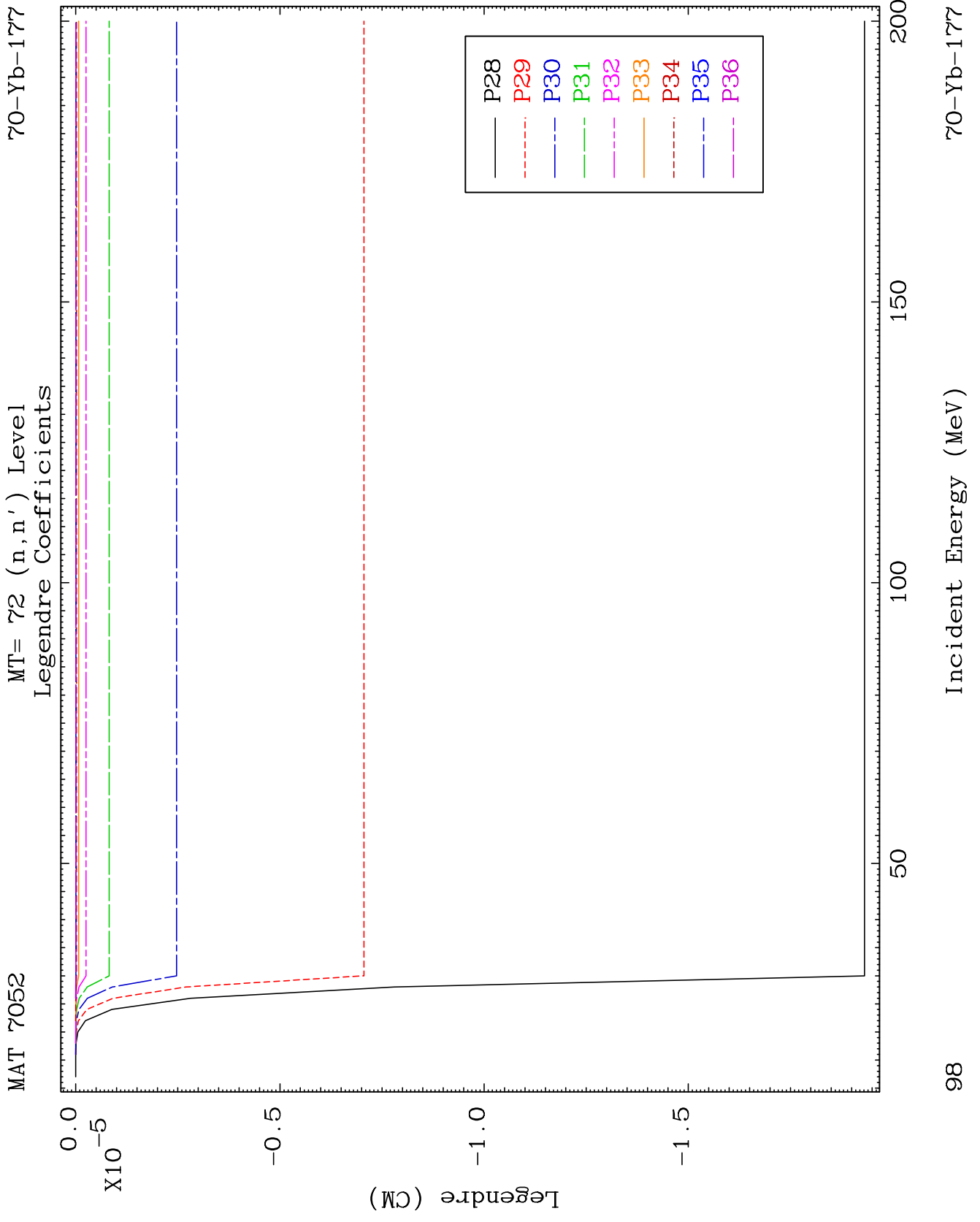
70-Yb-177

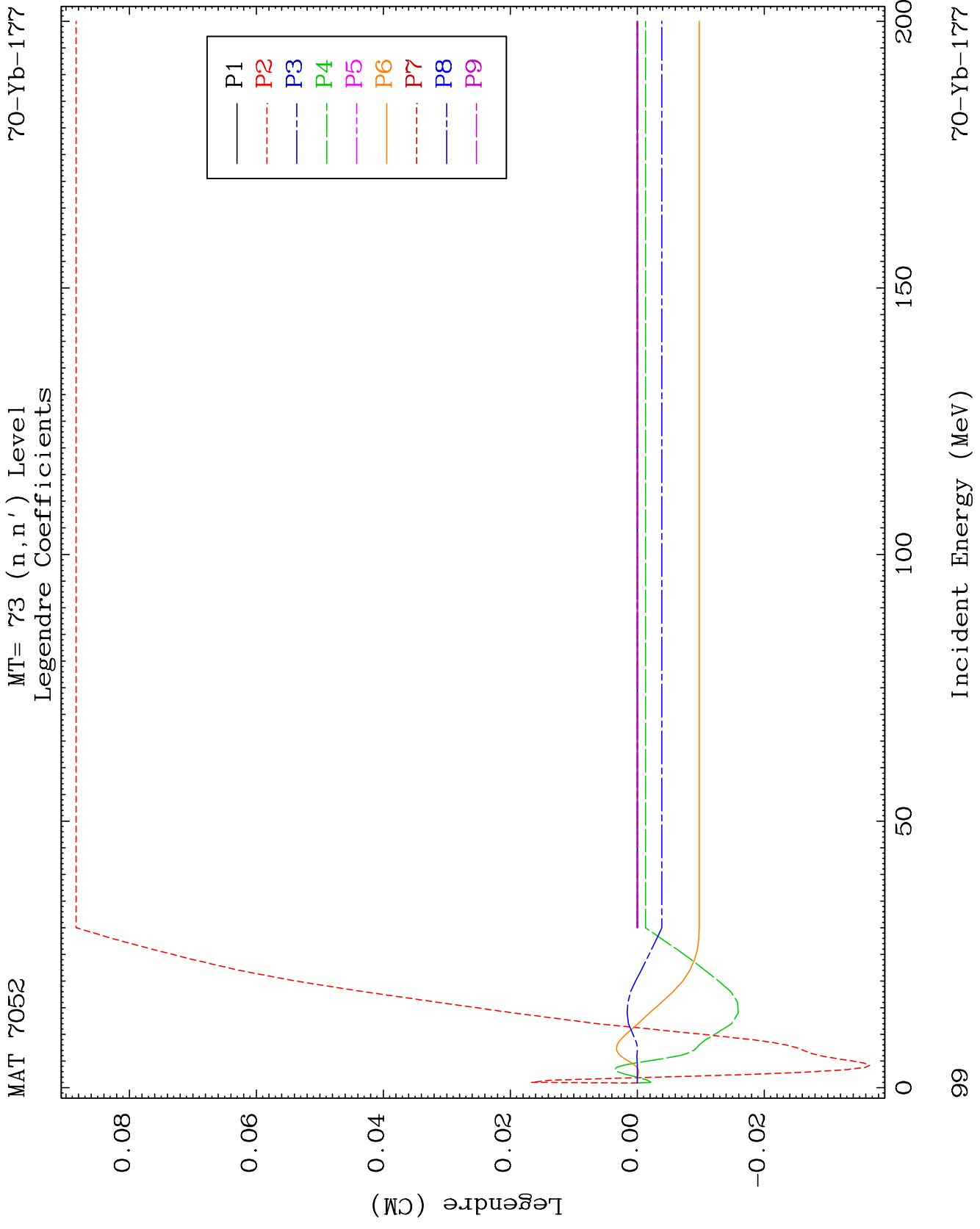


97

Incident Energy (MeV)

70-Yb-177

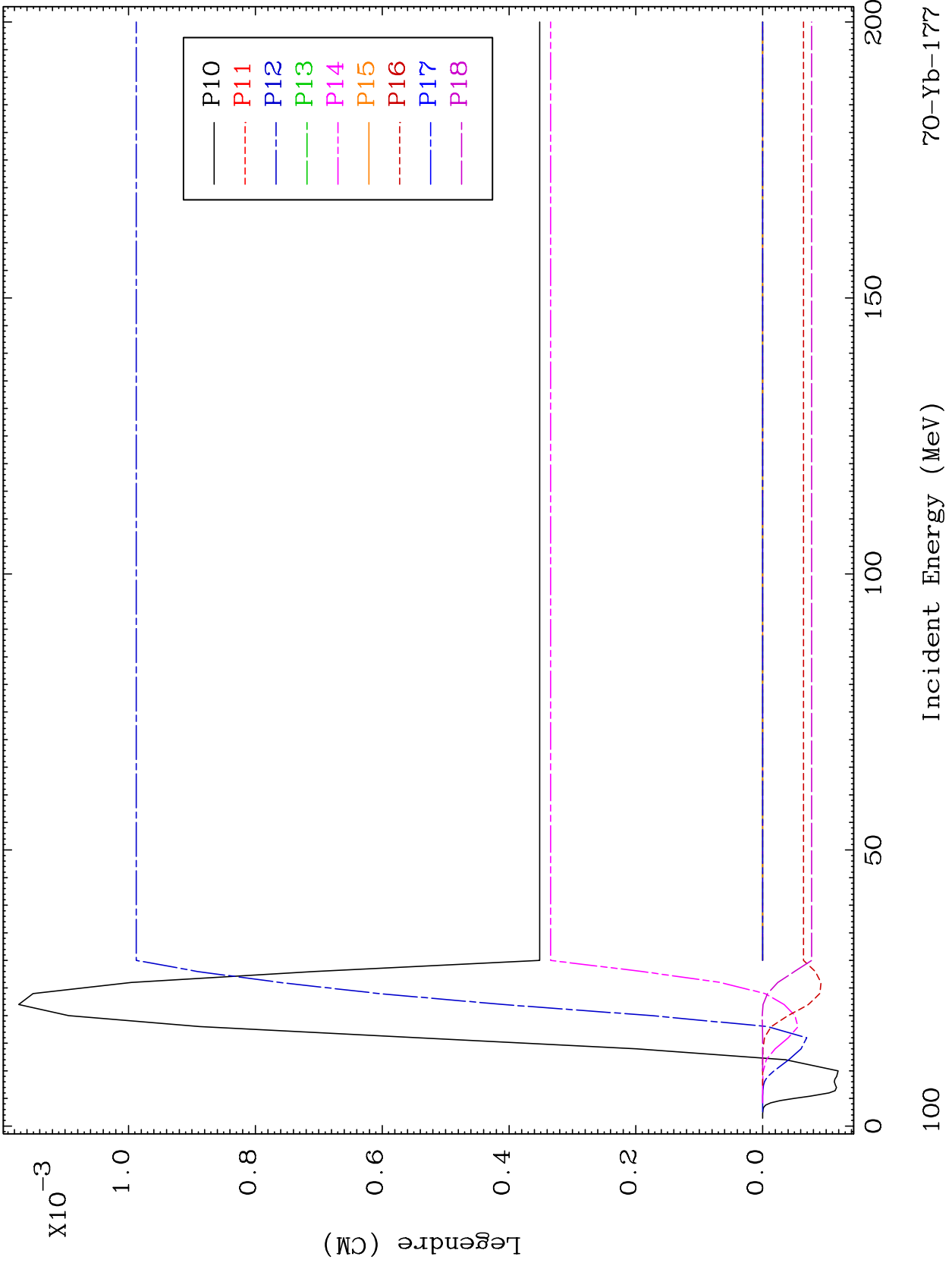


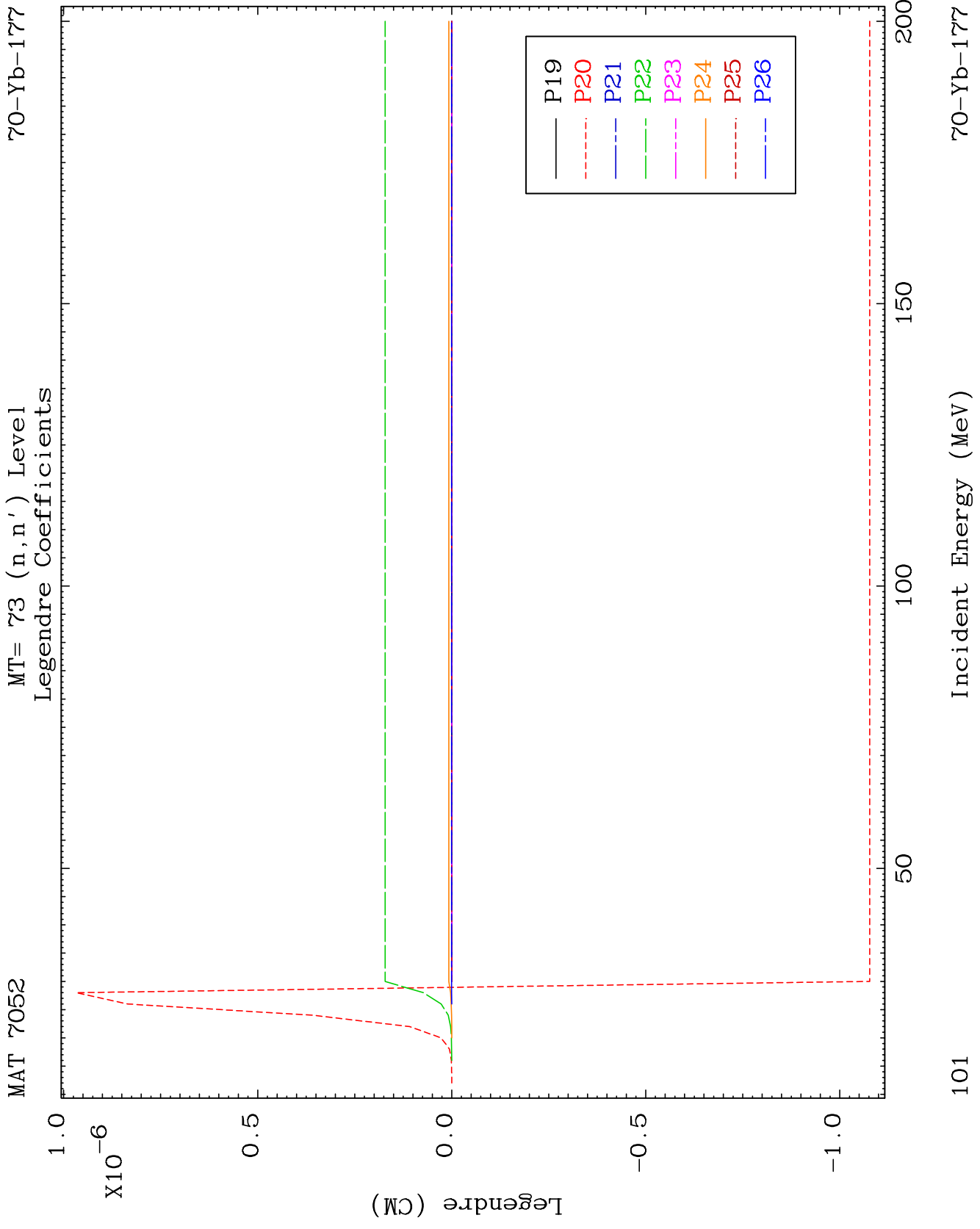


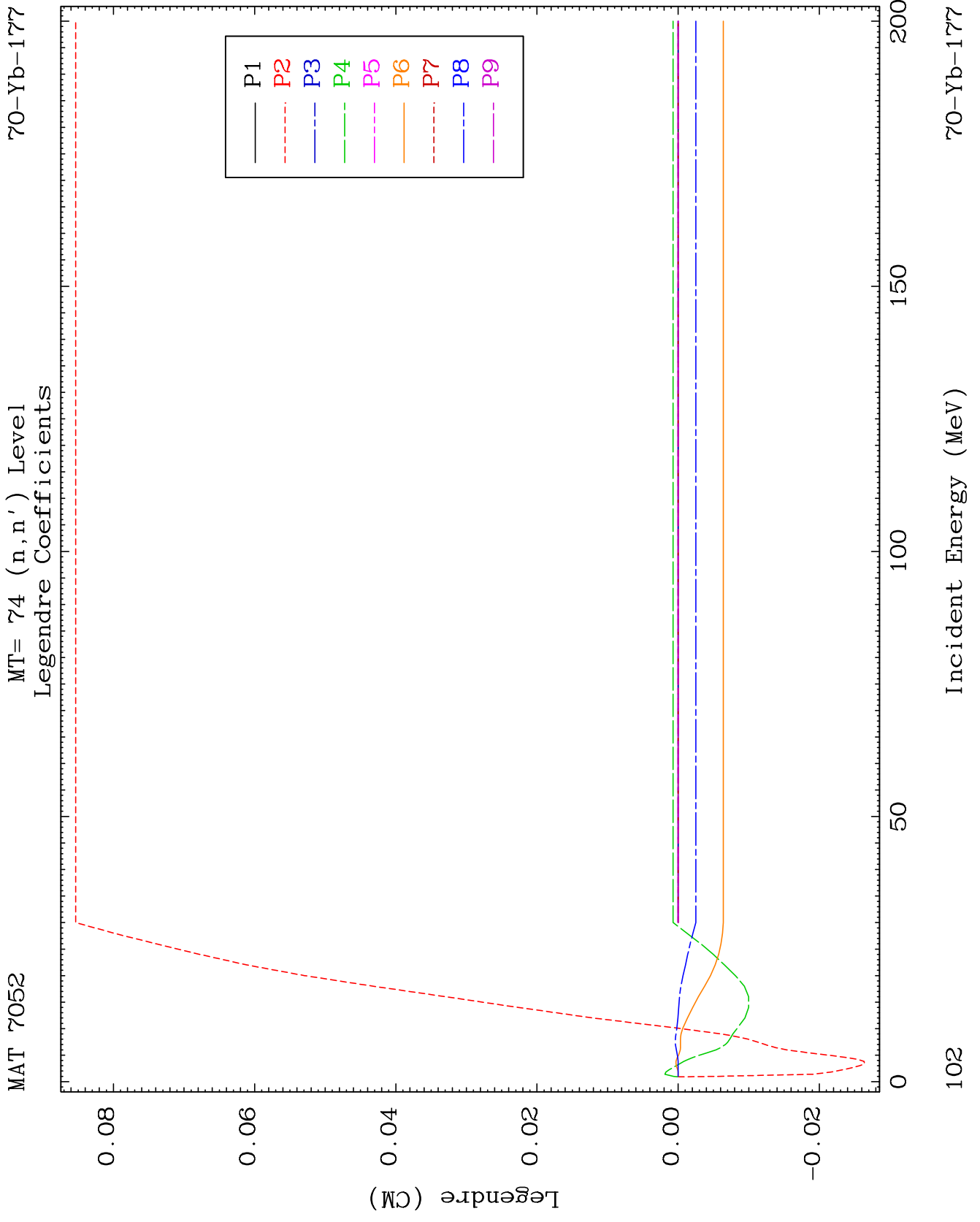
MAT 7052

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

70-Yb-177



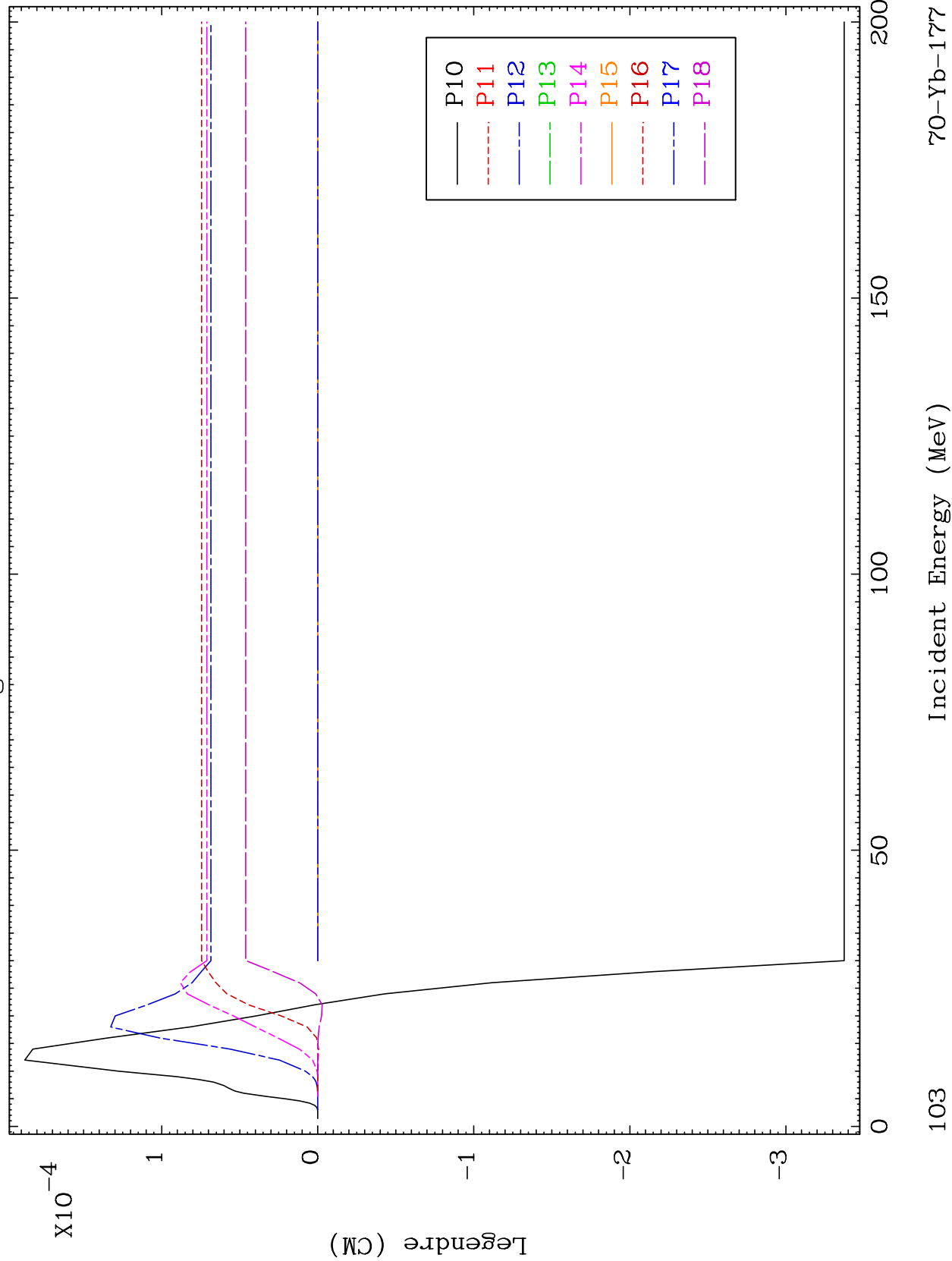




MAT 7052

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

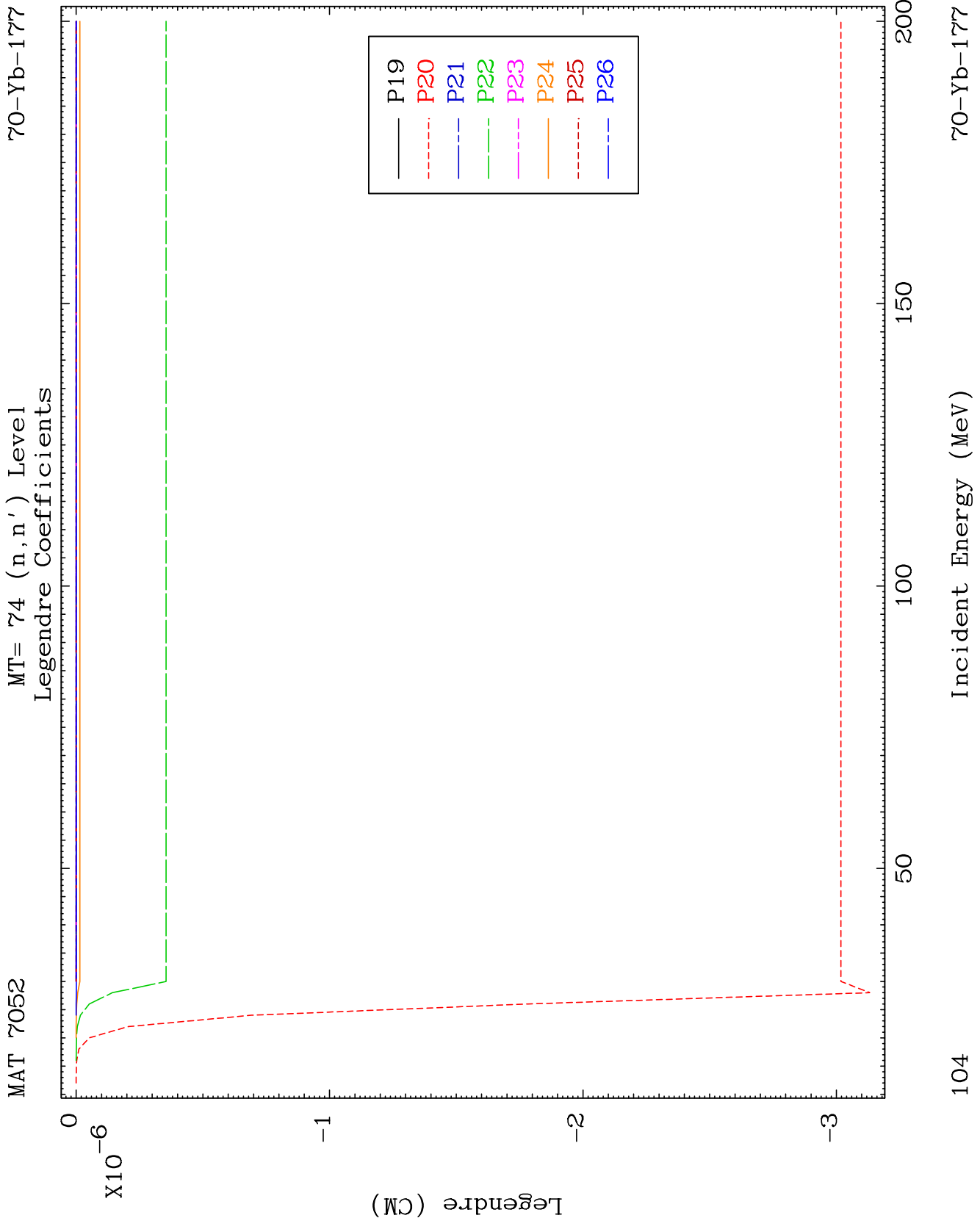
70-Yb-177

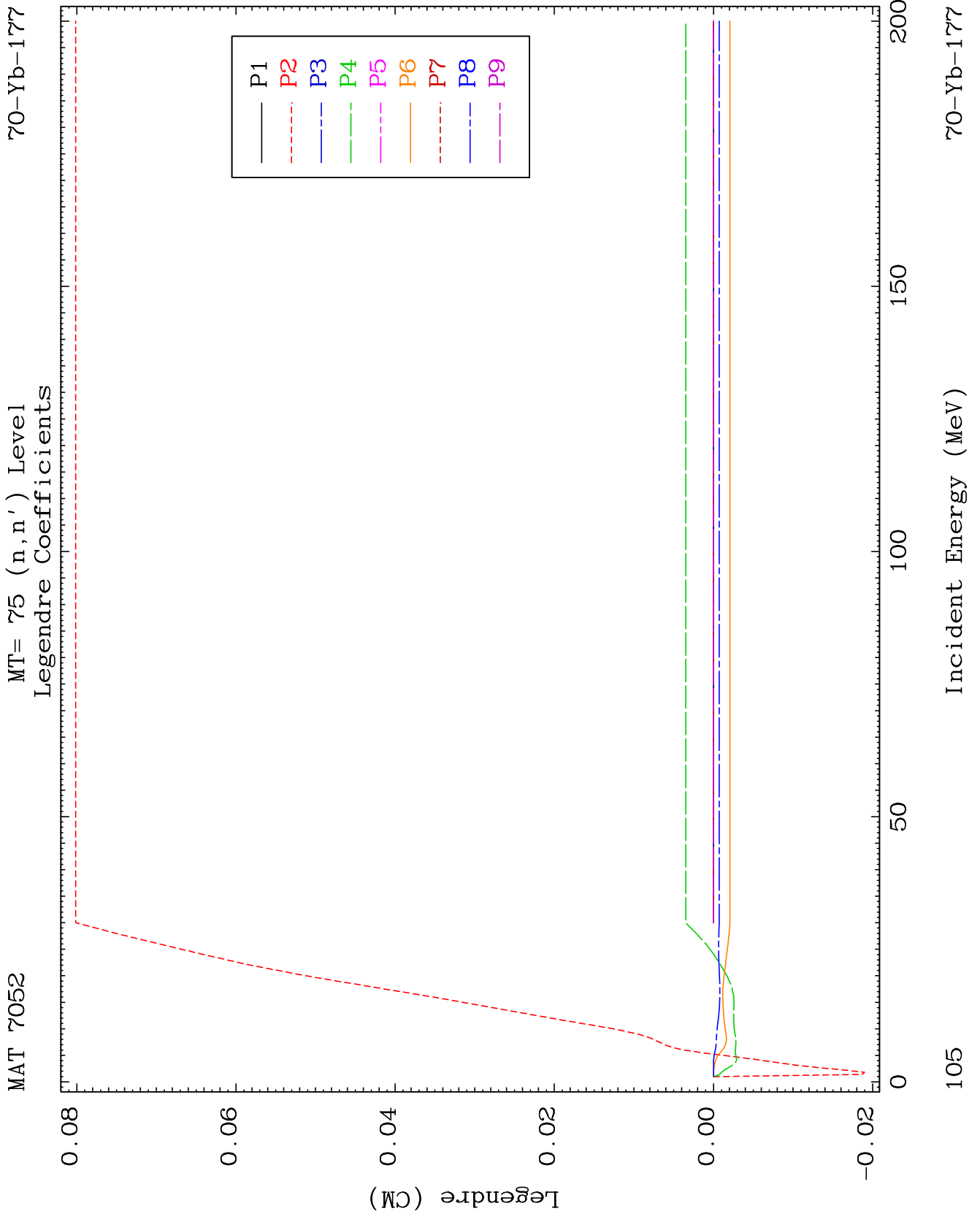


103

Incident Energy (MeV)

70-Yb-177

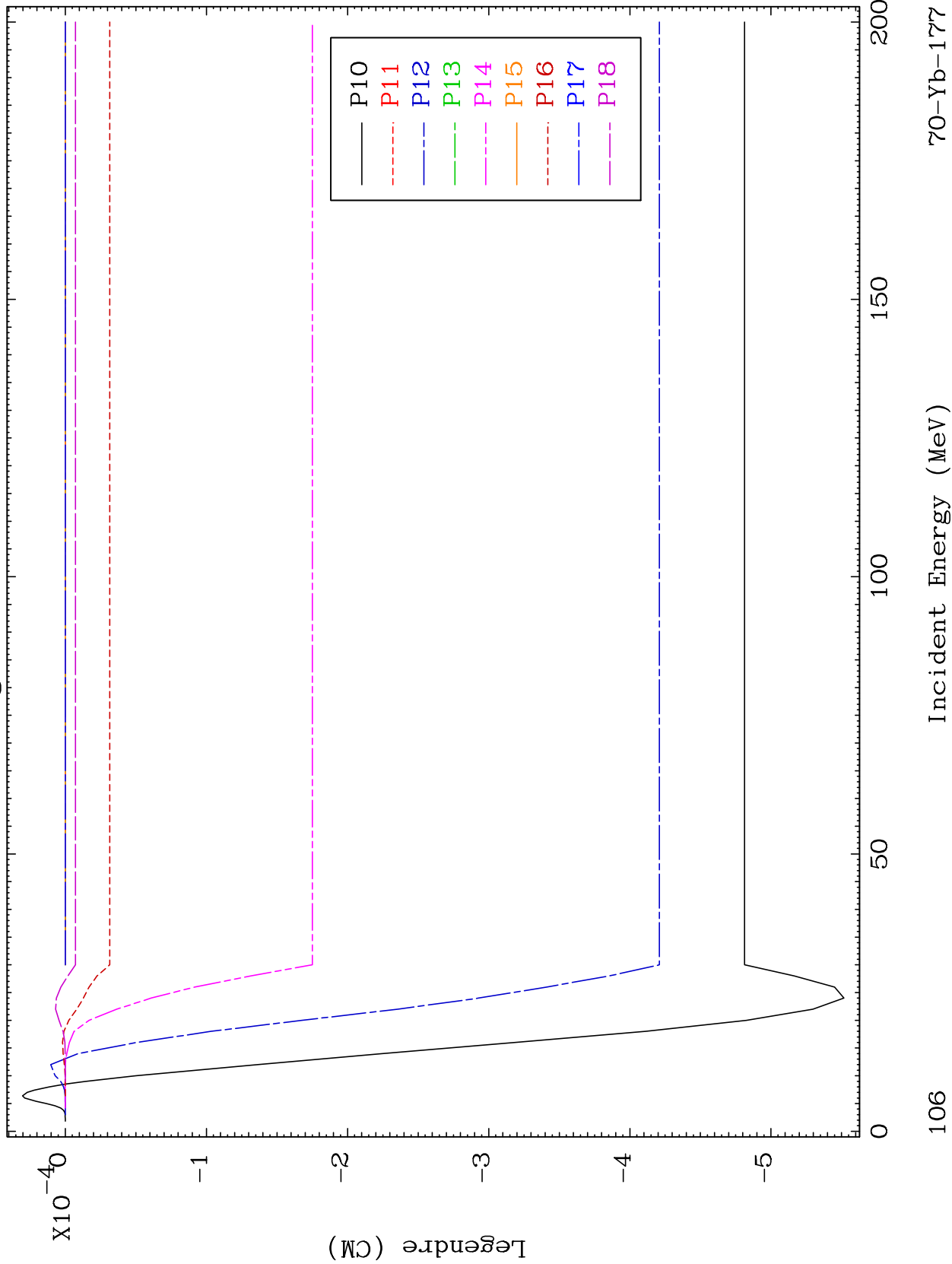




MAT 7052

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

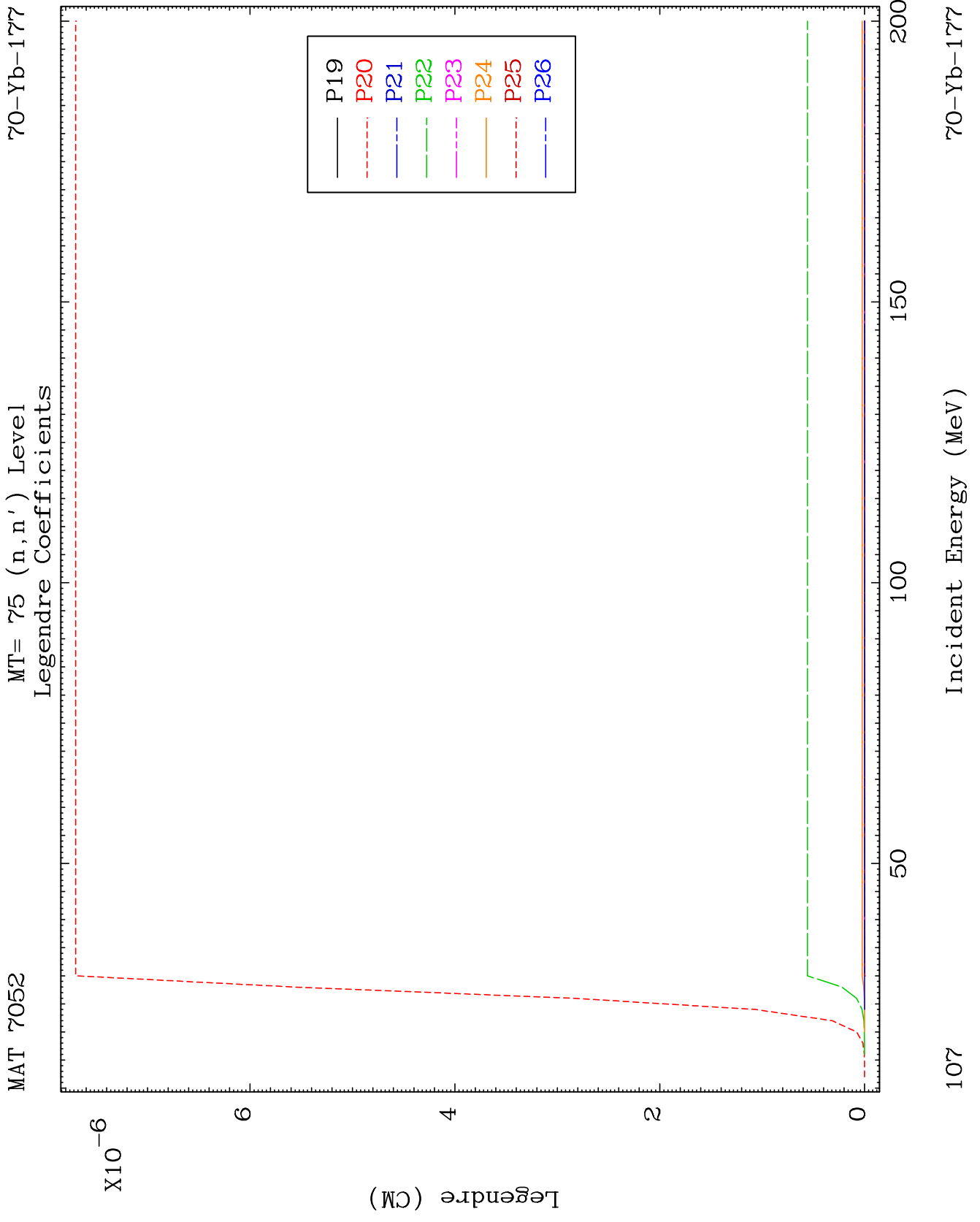
70-Yb-177



106

Incident Energy (MeV)

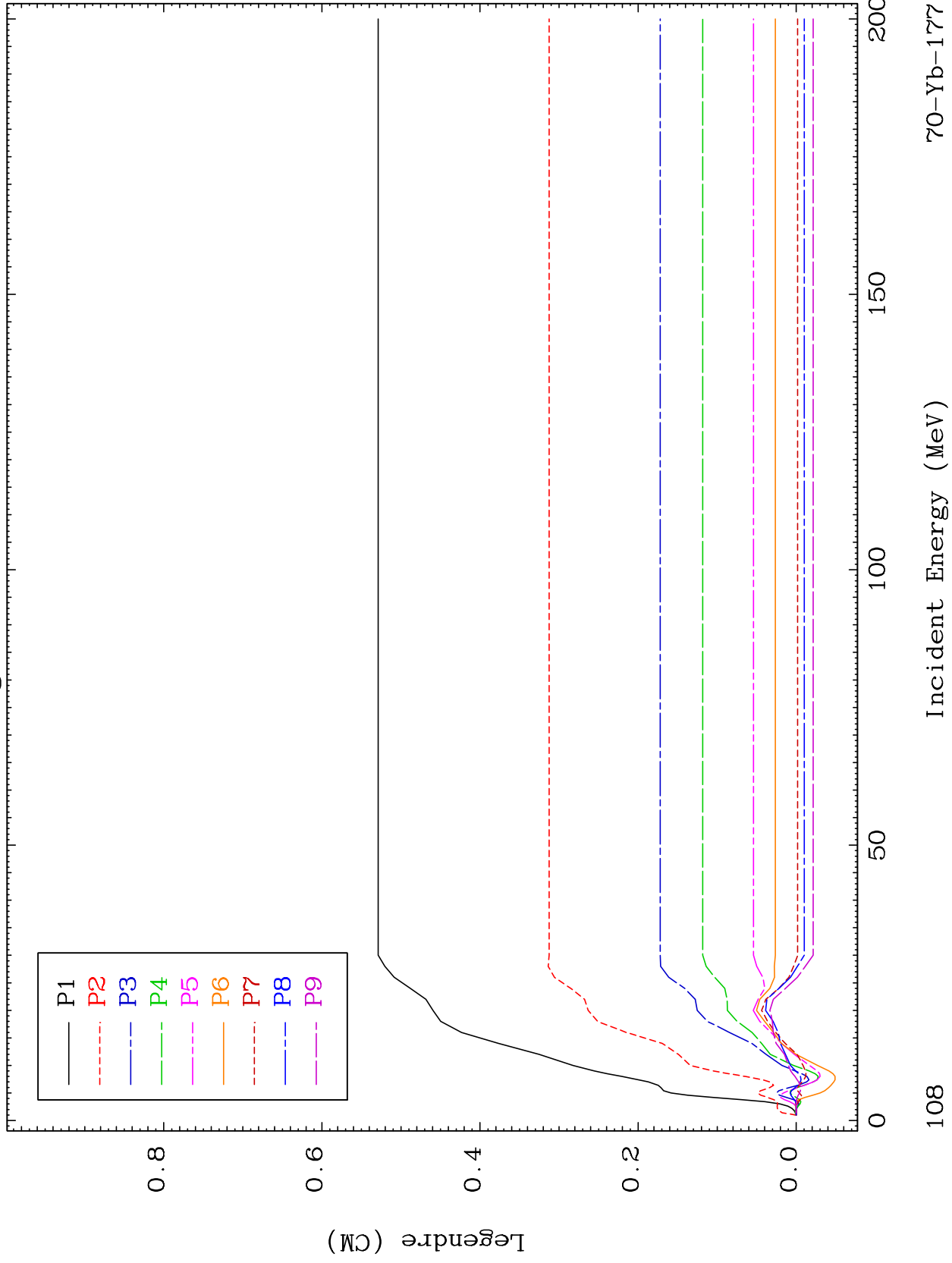
70-Yb-177



MAT 7052

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

70-Yb-177

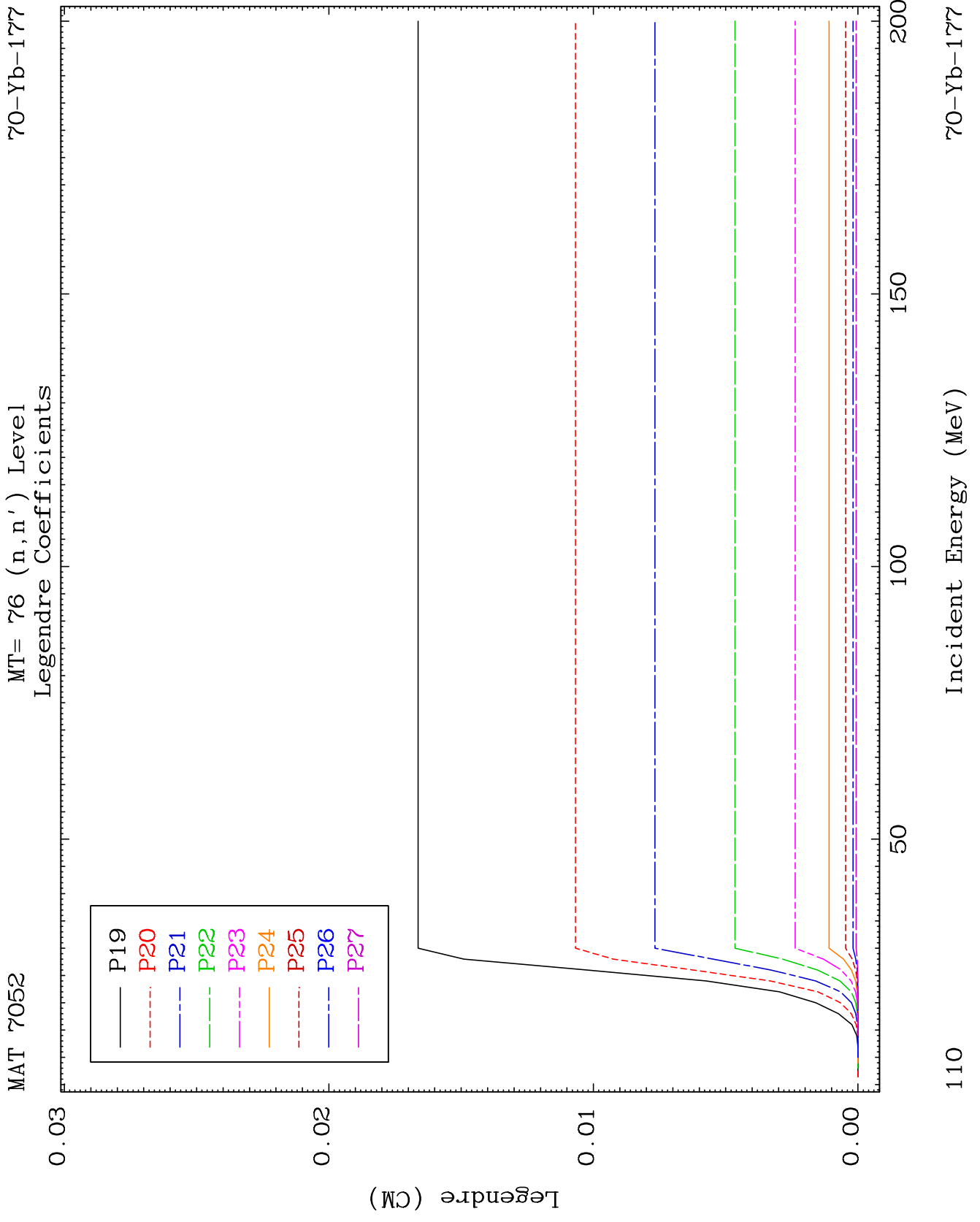


108

Incident Energy (MeV)

70-Yb-177

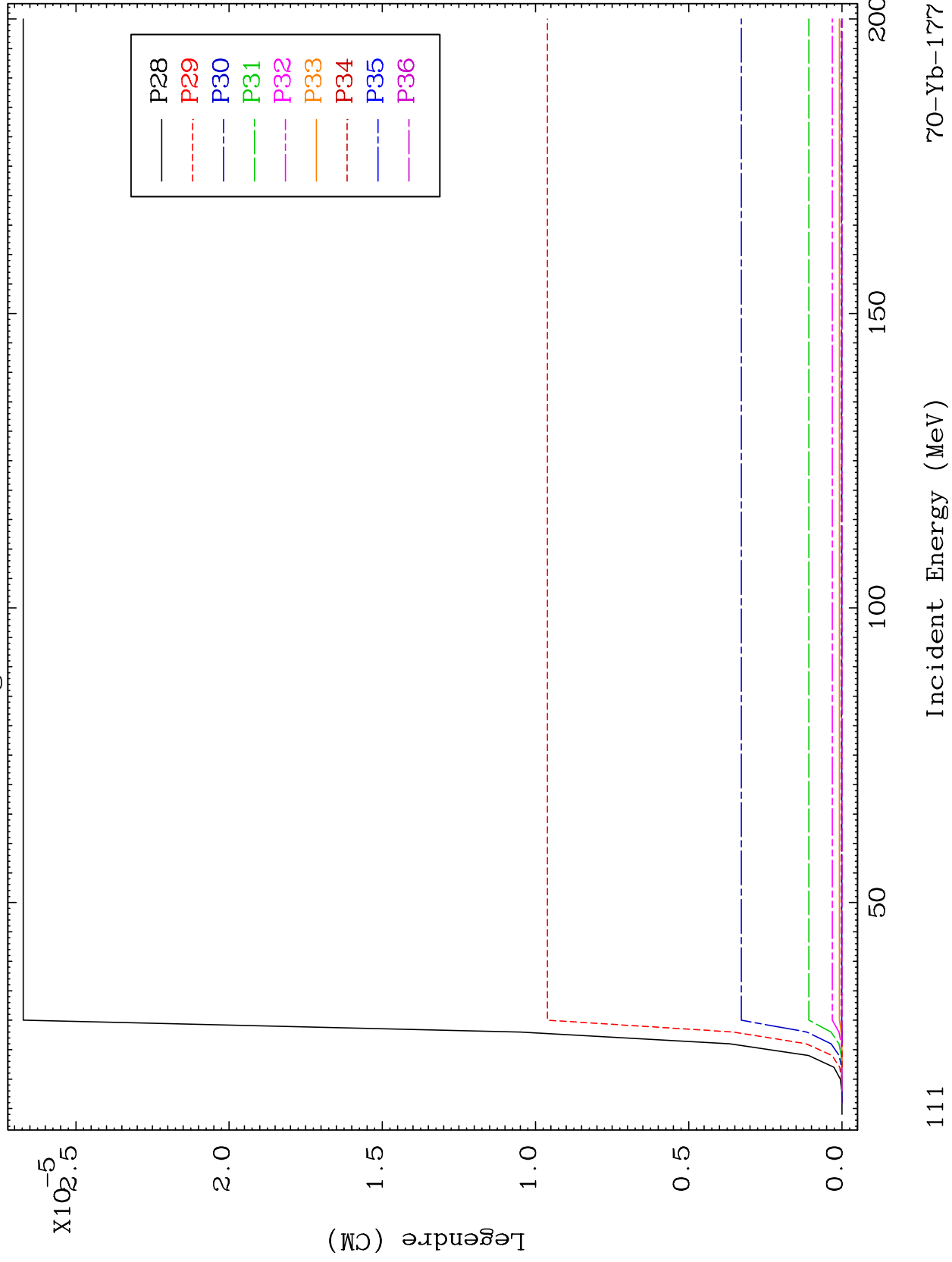




MAT 7052

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

70-Yb-177

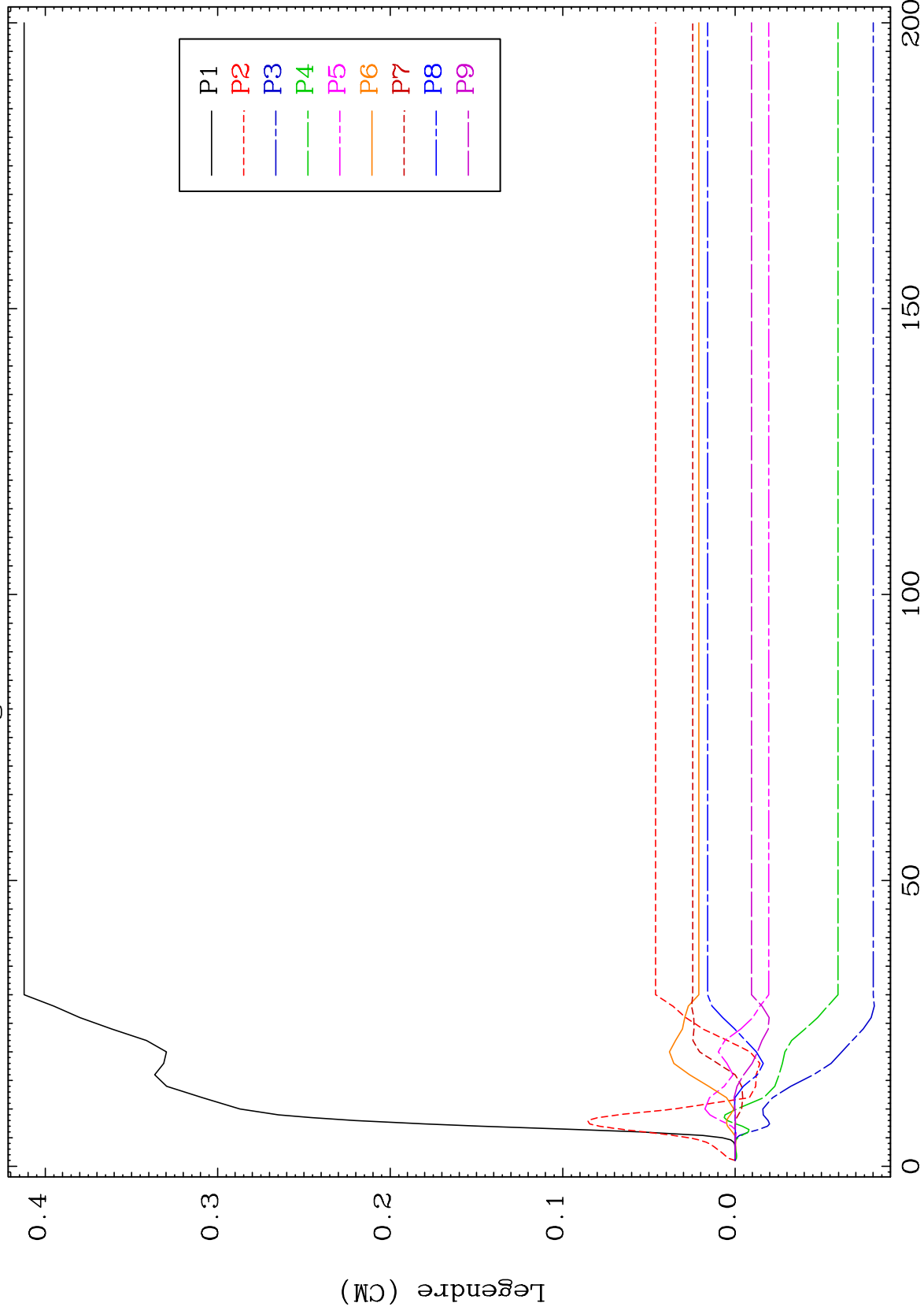


111

MAT 7052

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

70-Yb-177



112

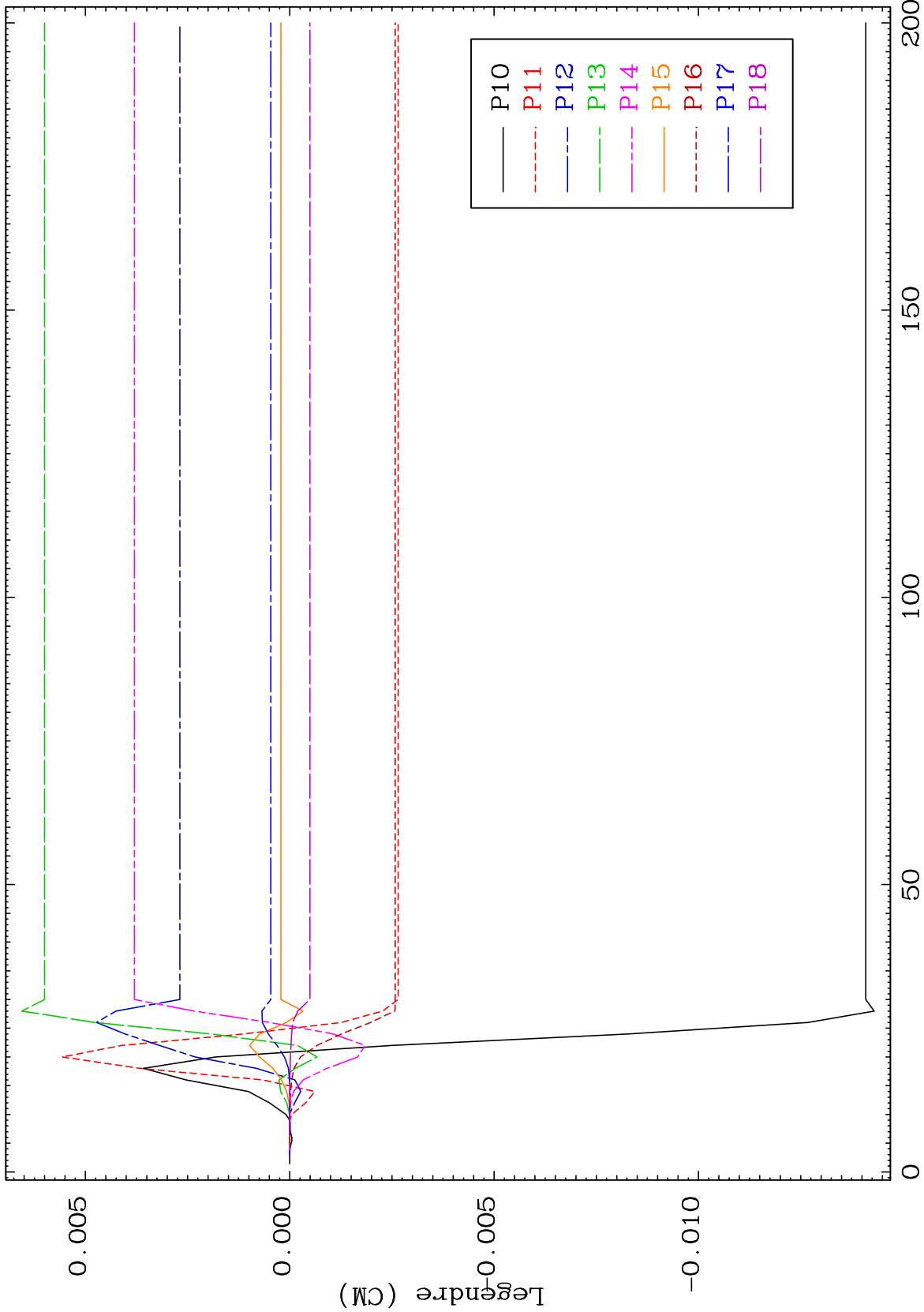
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



113

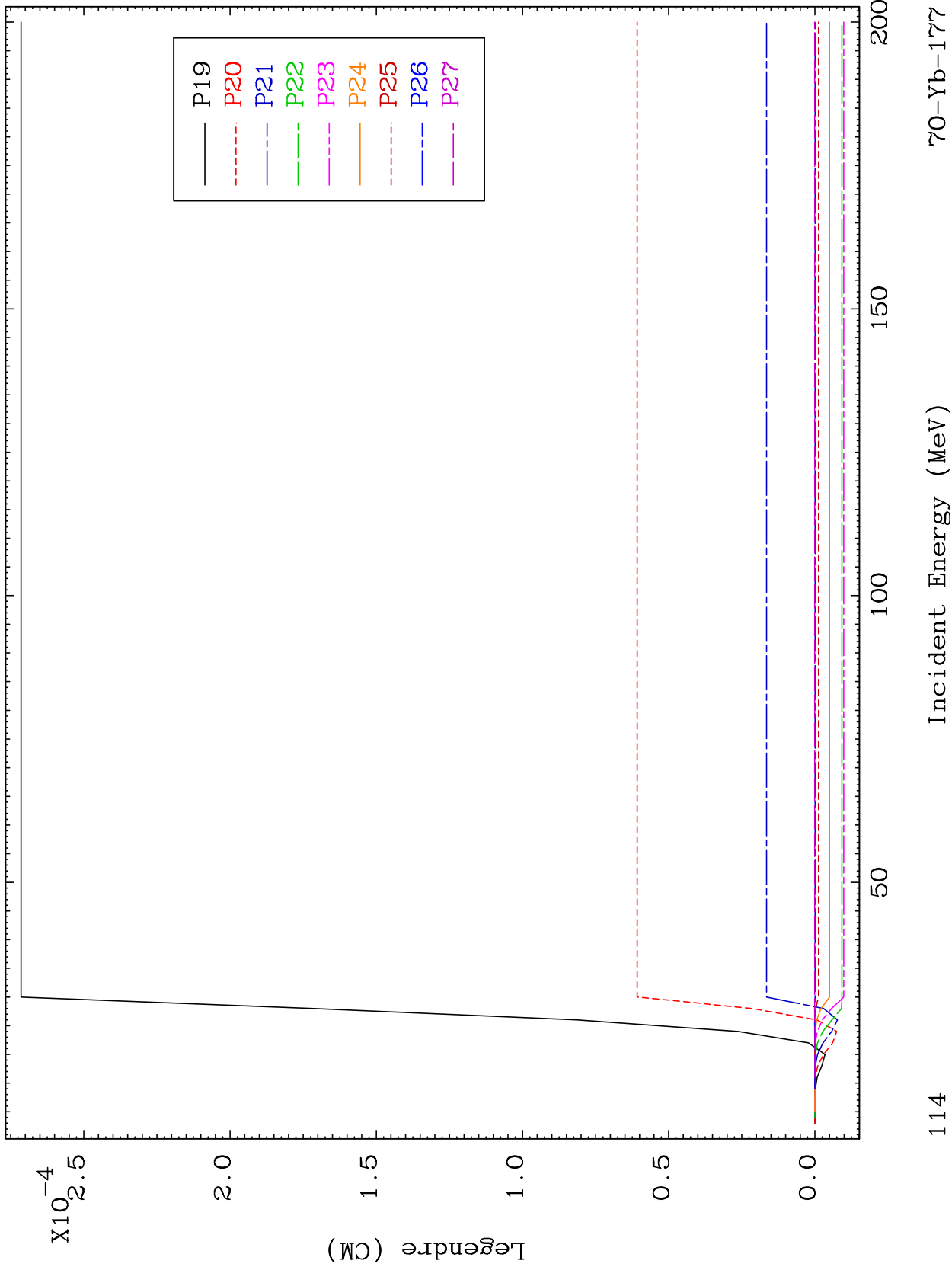
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177

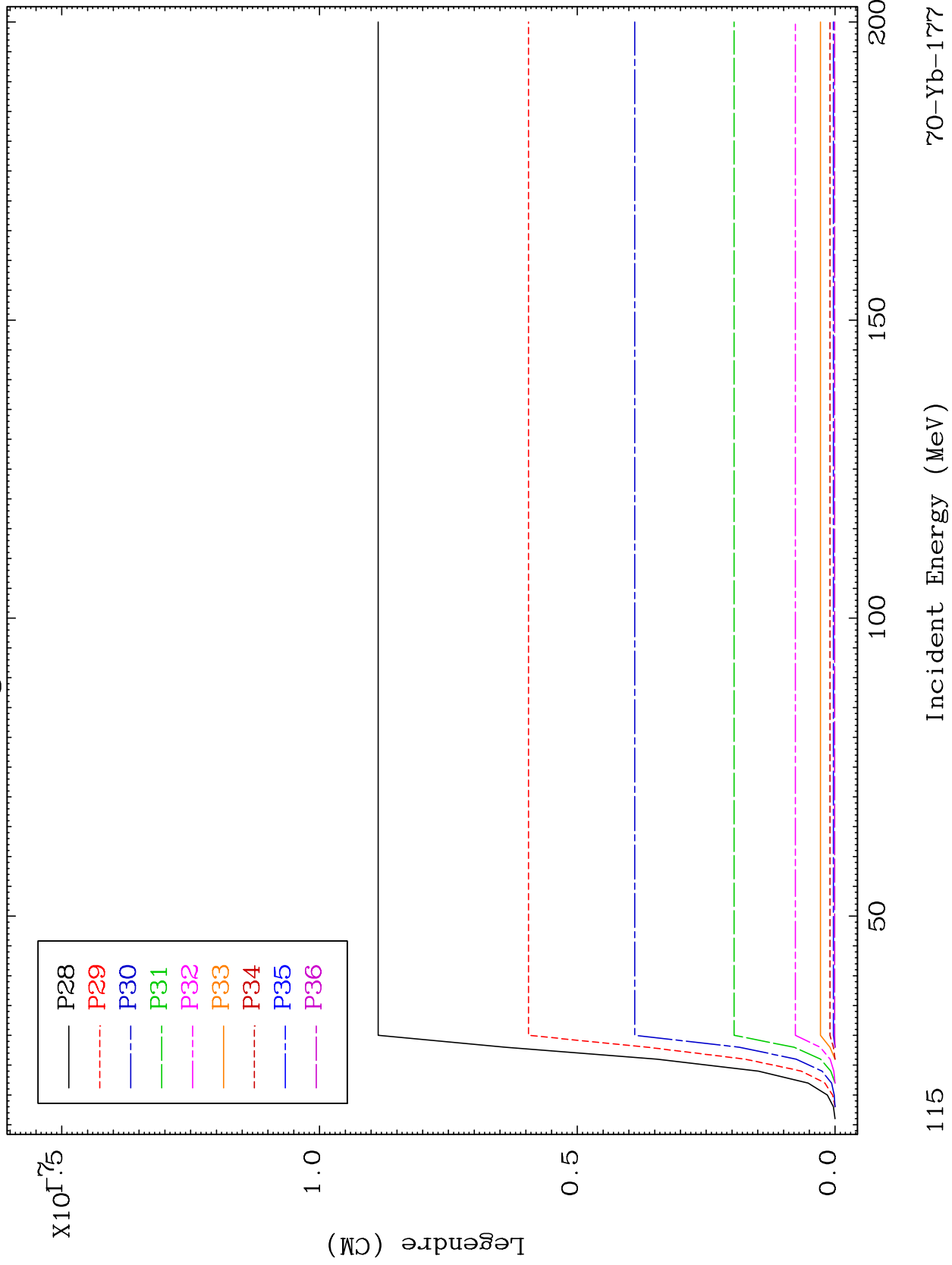


114

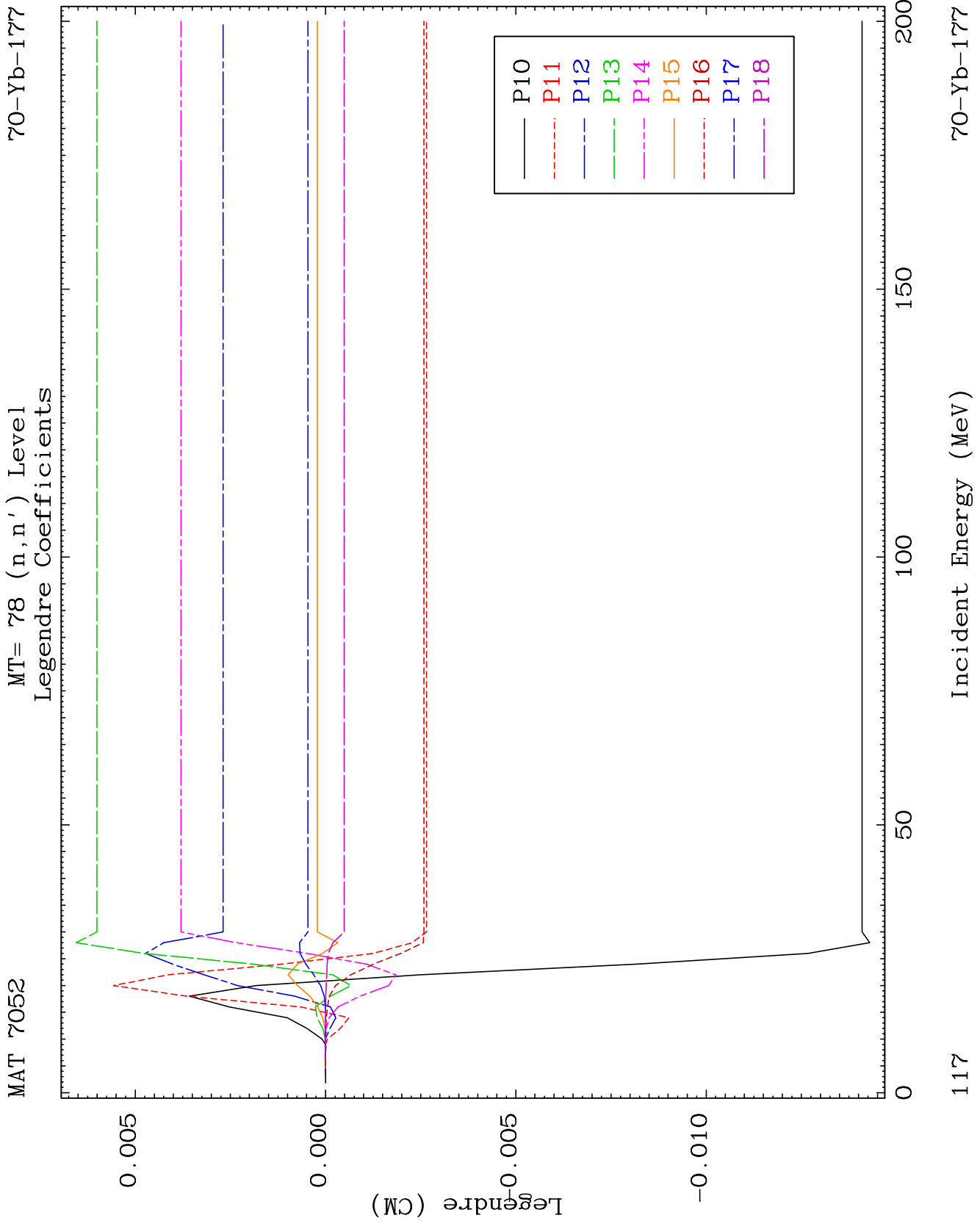
MAT 7052

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

70-Yb-177



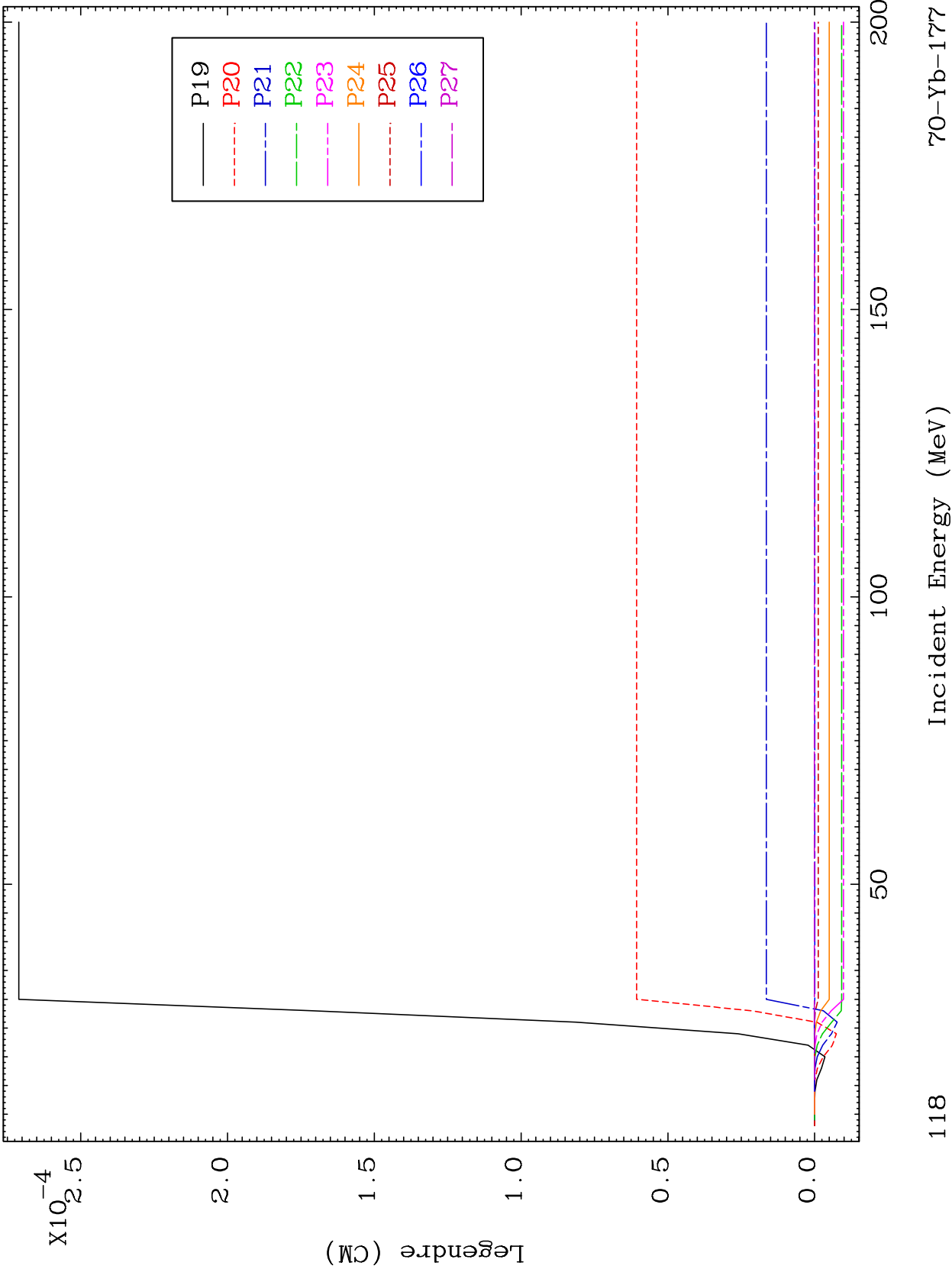




MAT 7052

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

70-Yb-177



118

Incident Energy (MeV)

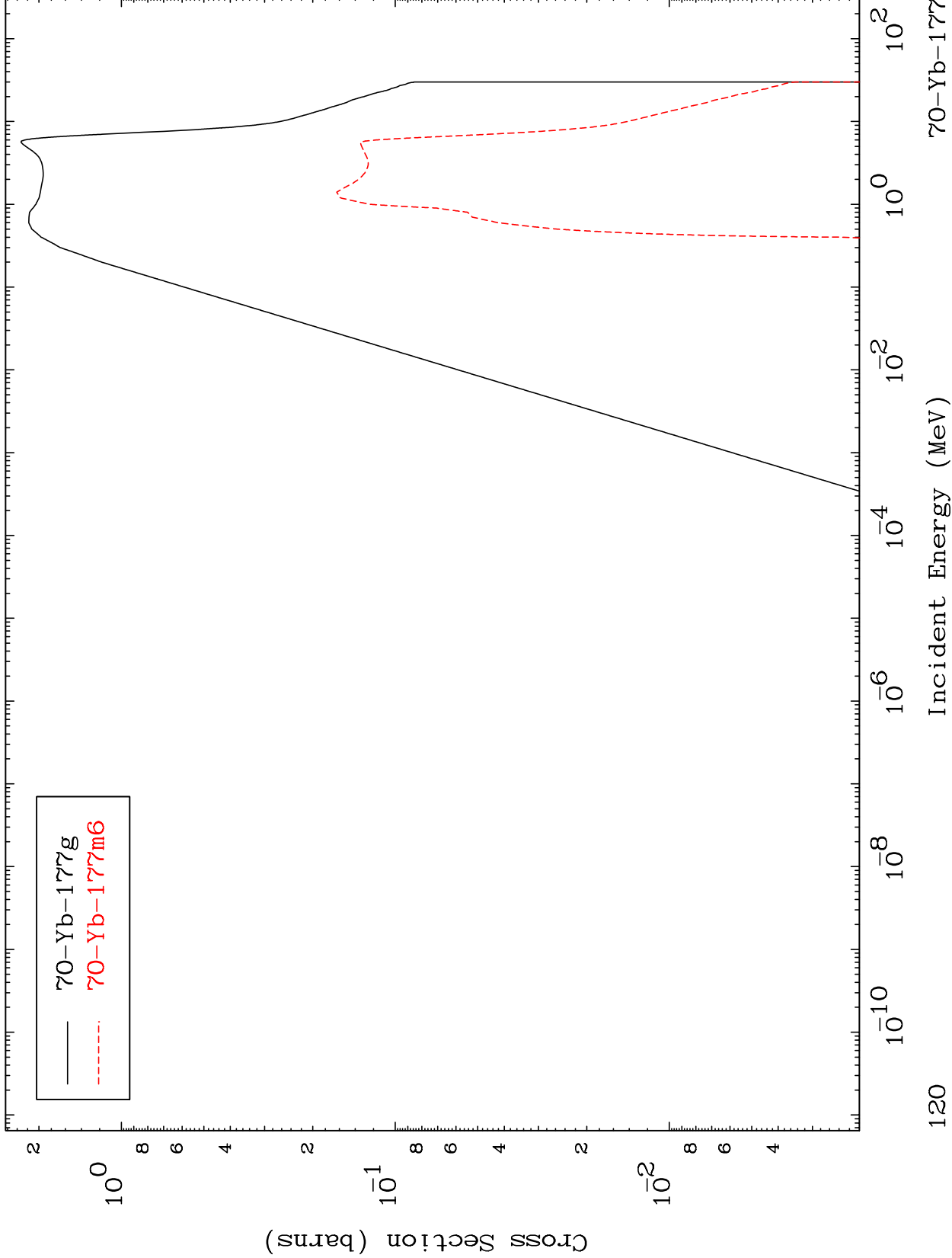
70-Yb-177



MAT 7052

Inelastic  
Radionuclide Production Cross Section

<sup>70</sup>Yb-177



— 70-Yb-177g  
- - - 70-Yb-177m6

120

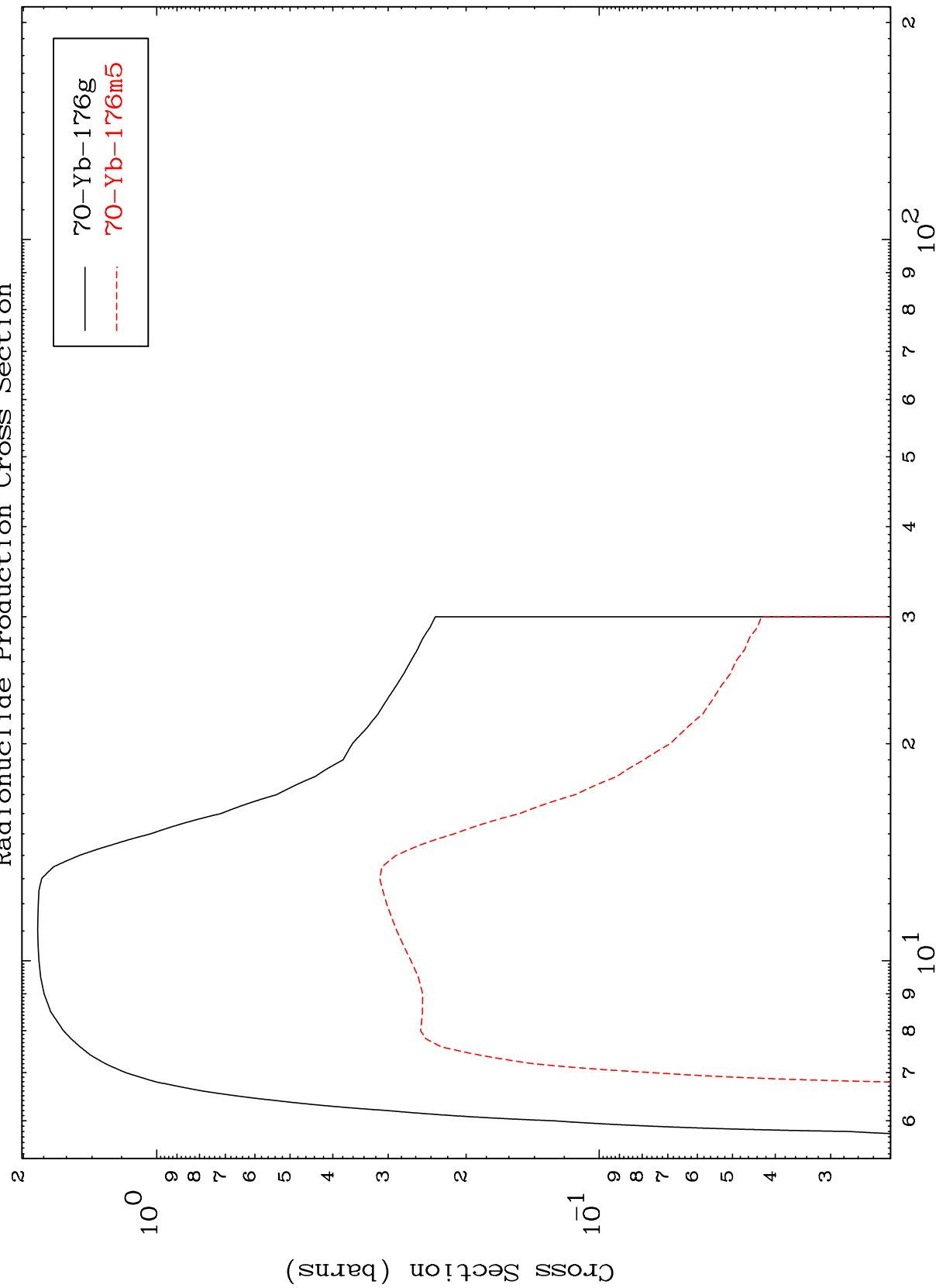
Incident Energy (MeV)

<sup>70</sup>Yb-177

MAT 7052

<sup>70</sup>Yb-177

(n,2n)  
Radionuclide Production Cross Section



— <sup>70</sup>Yb-176g  
- - - <sup>70</sup>Yb-176m5

<sup>70</sup>Yb-177

Incident Energy (MeV)

121