

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

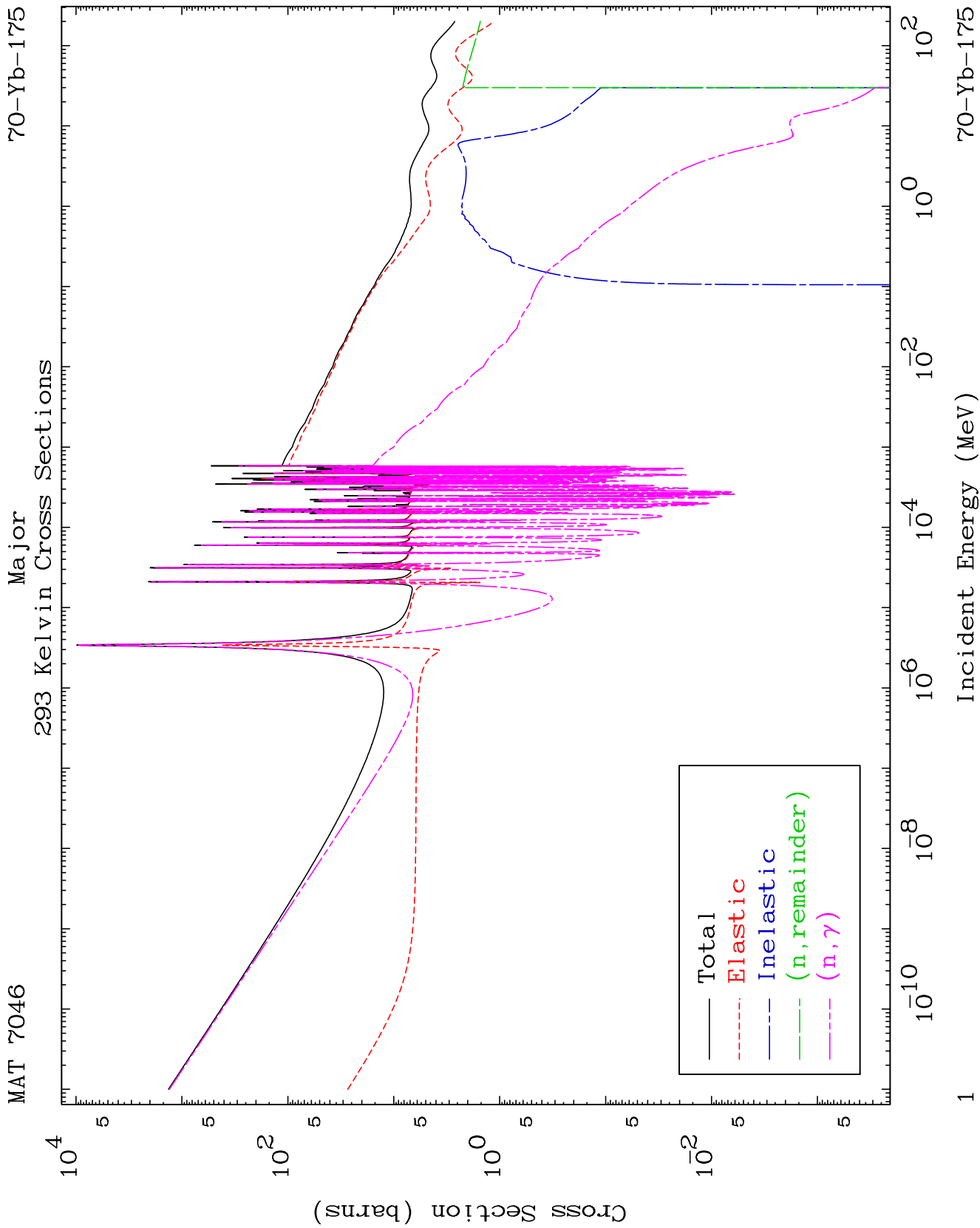
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

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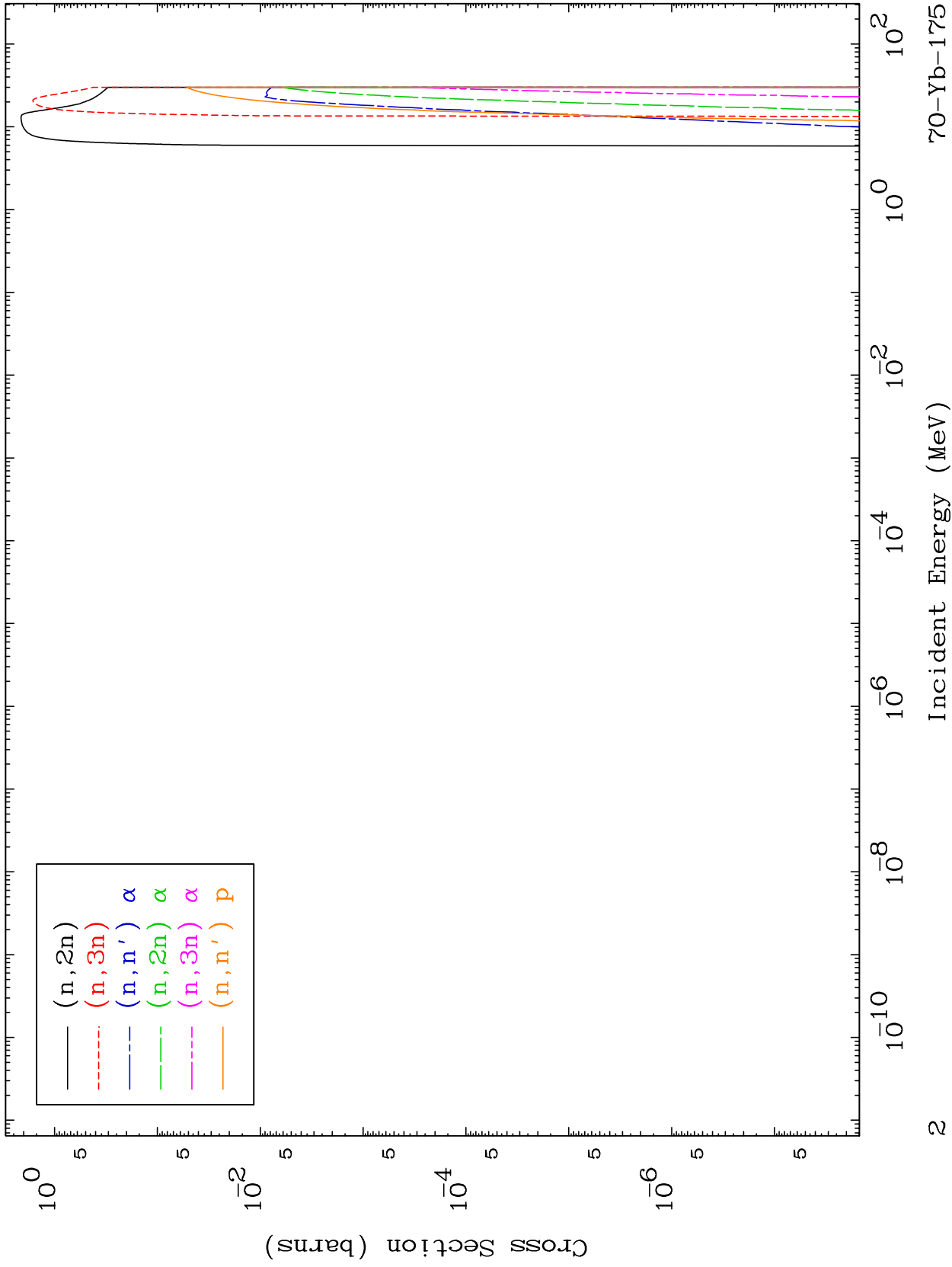
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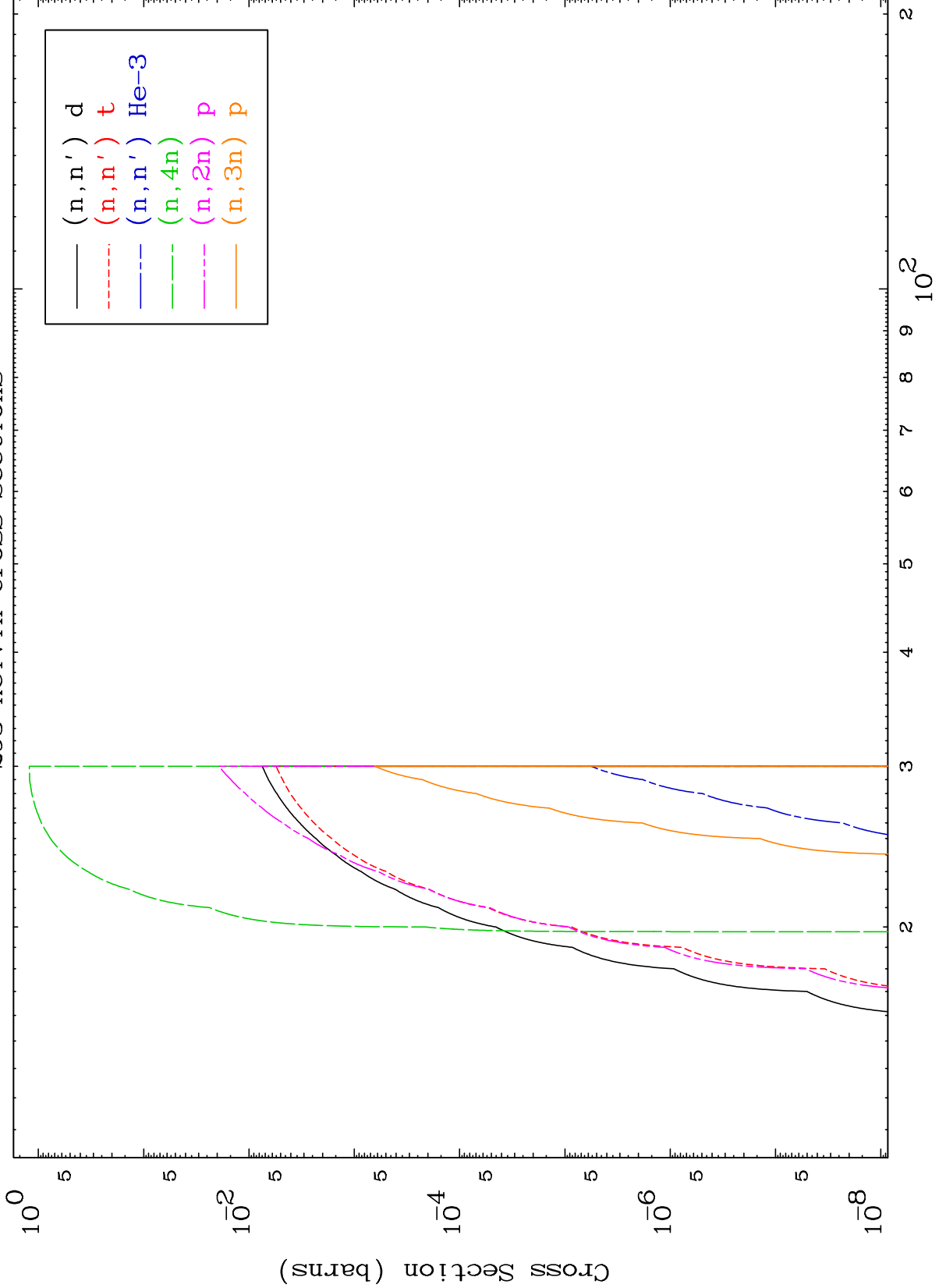


MAT 7046

Neutron Production  
293 Kelvin Cross Sections

70-Yb-175

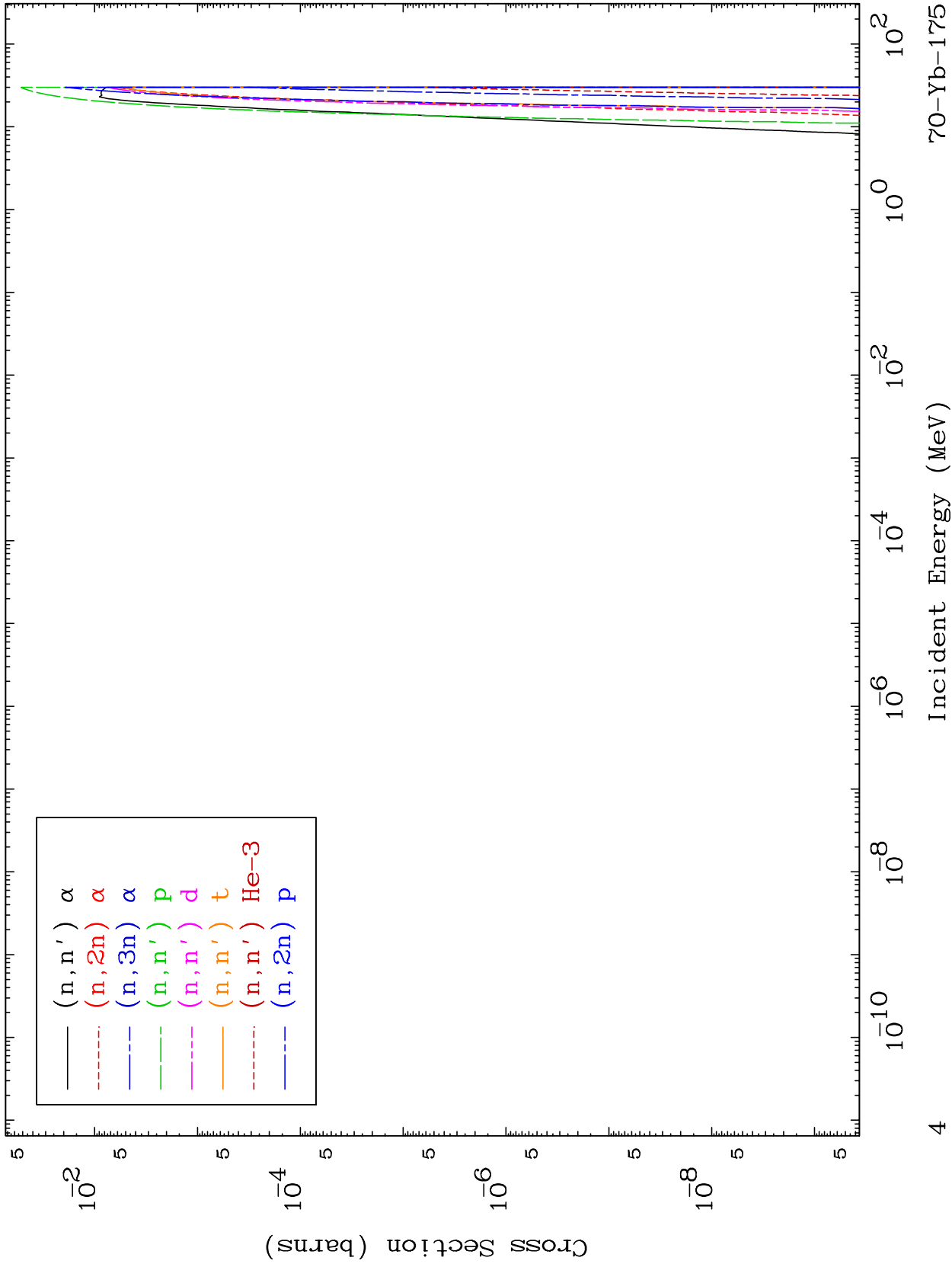




MAT 7046

Charged Particle  
293 Kelvin Cross Sections

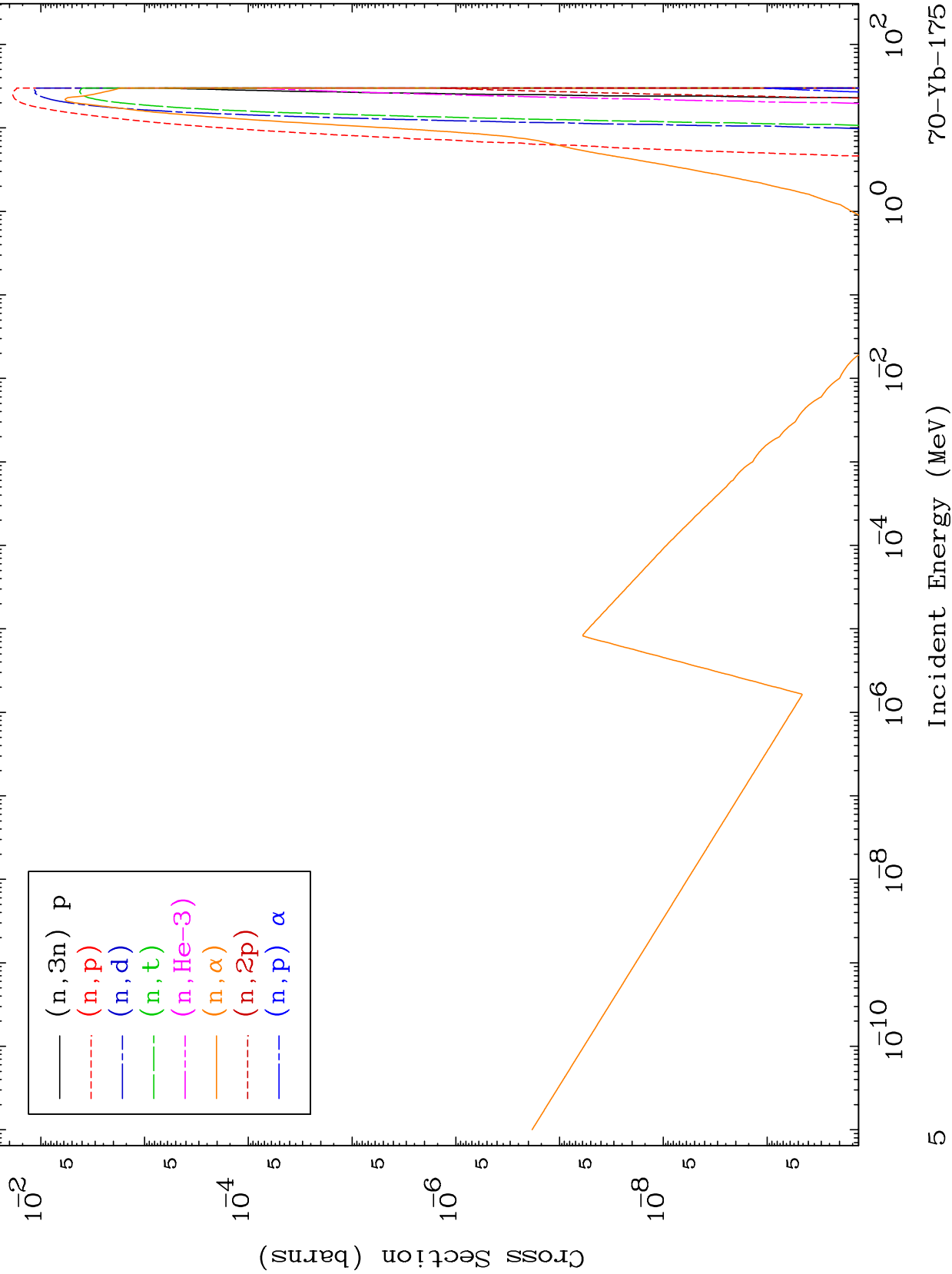
70-Yb-175



MAT 7046

Charged Particle  
293 Kelvin Cross Sections

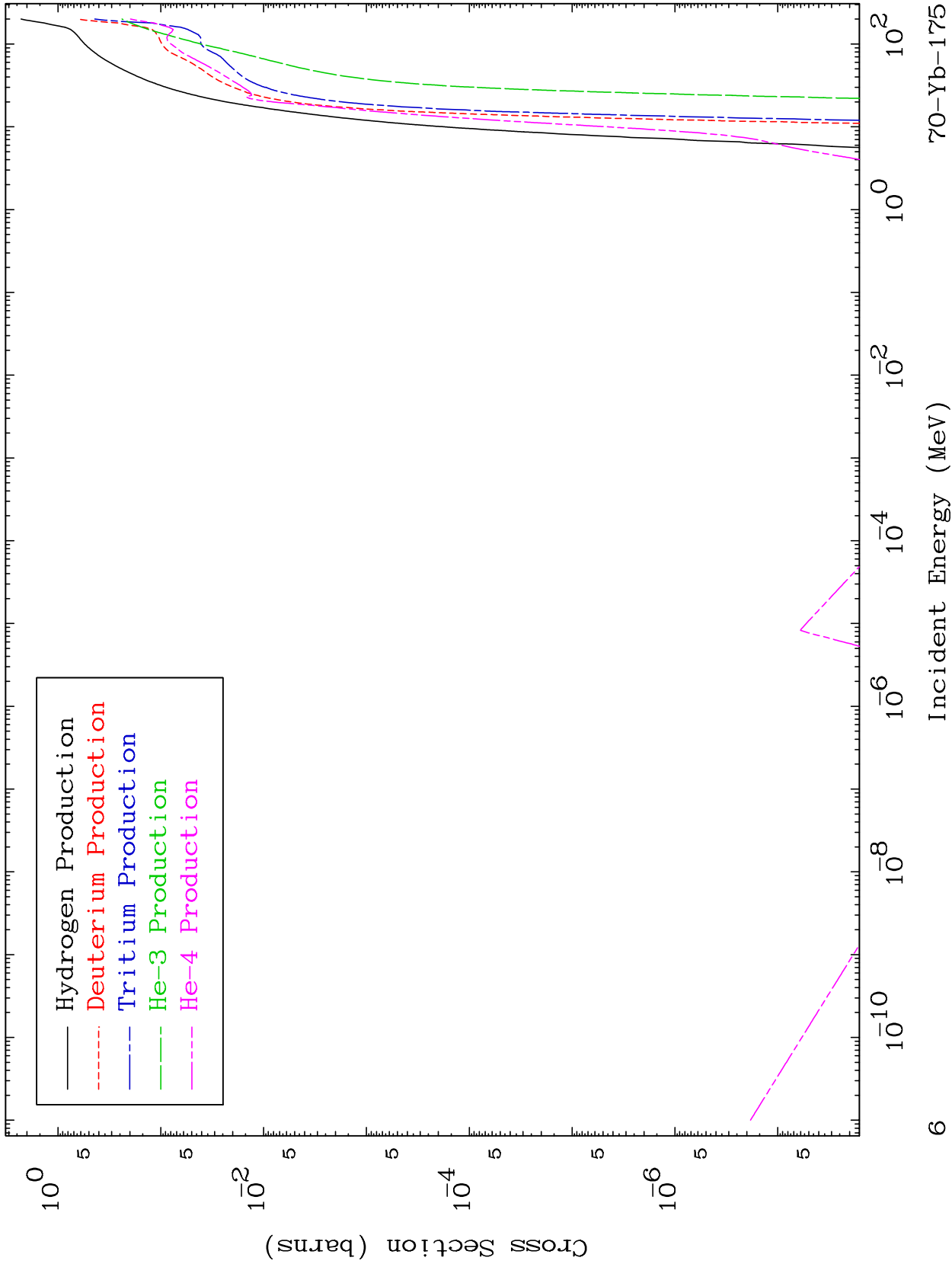
70-Yb-175



MAT 7046

Particle Production  
293 Kelvin Cross Sections

70-Yb-175

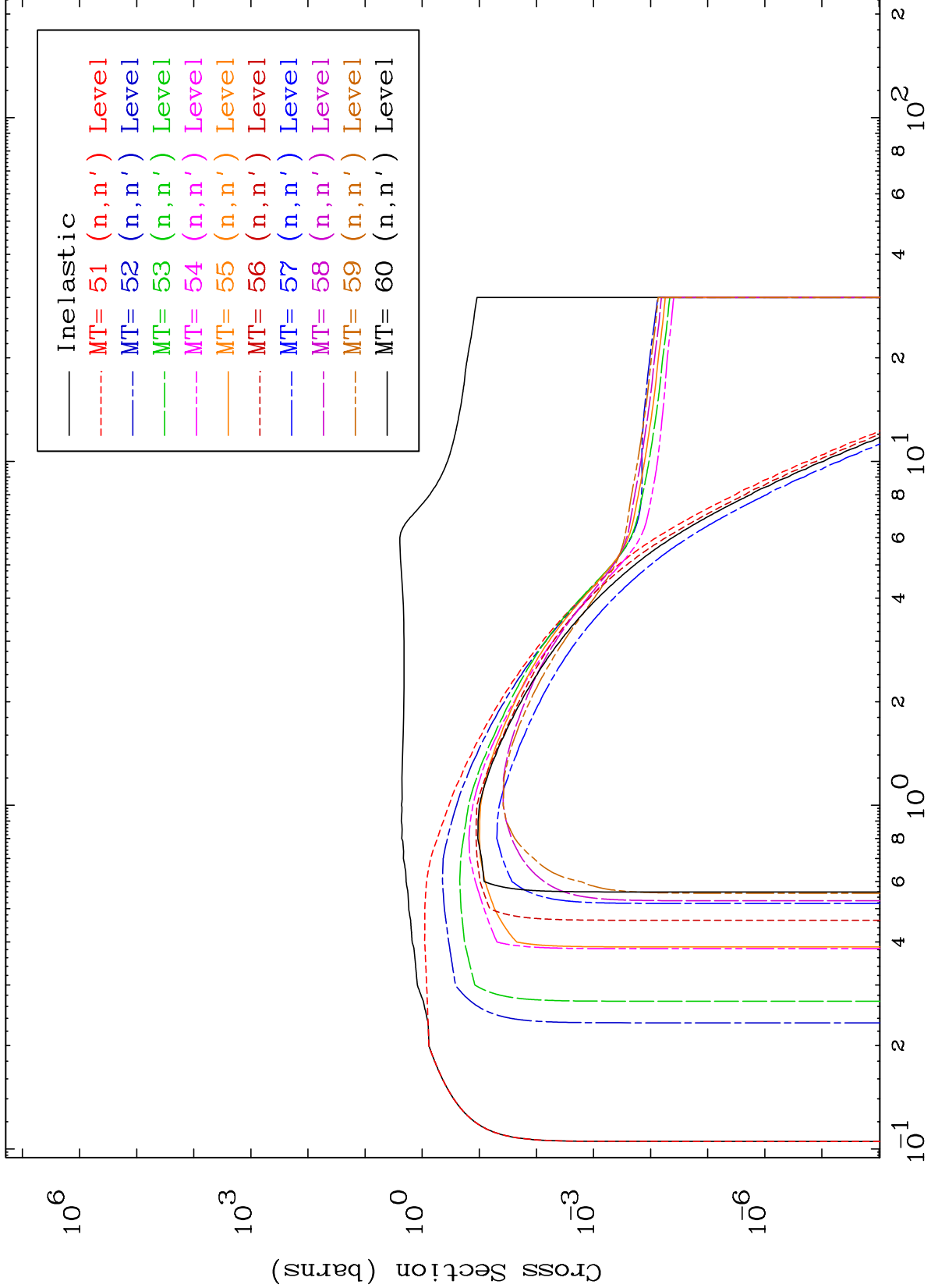


MAT 7046

(n,n') Level

70-Yb-175

293 Kelvin Cross Sections



Incident Energy (MeV)

70-Yb-175

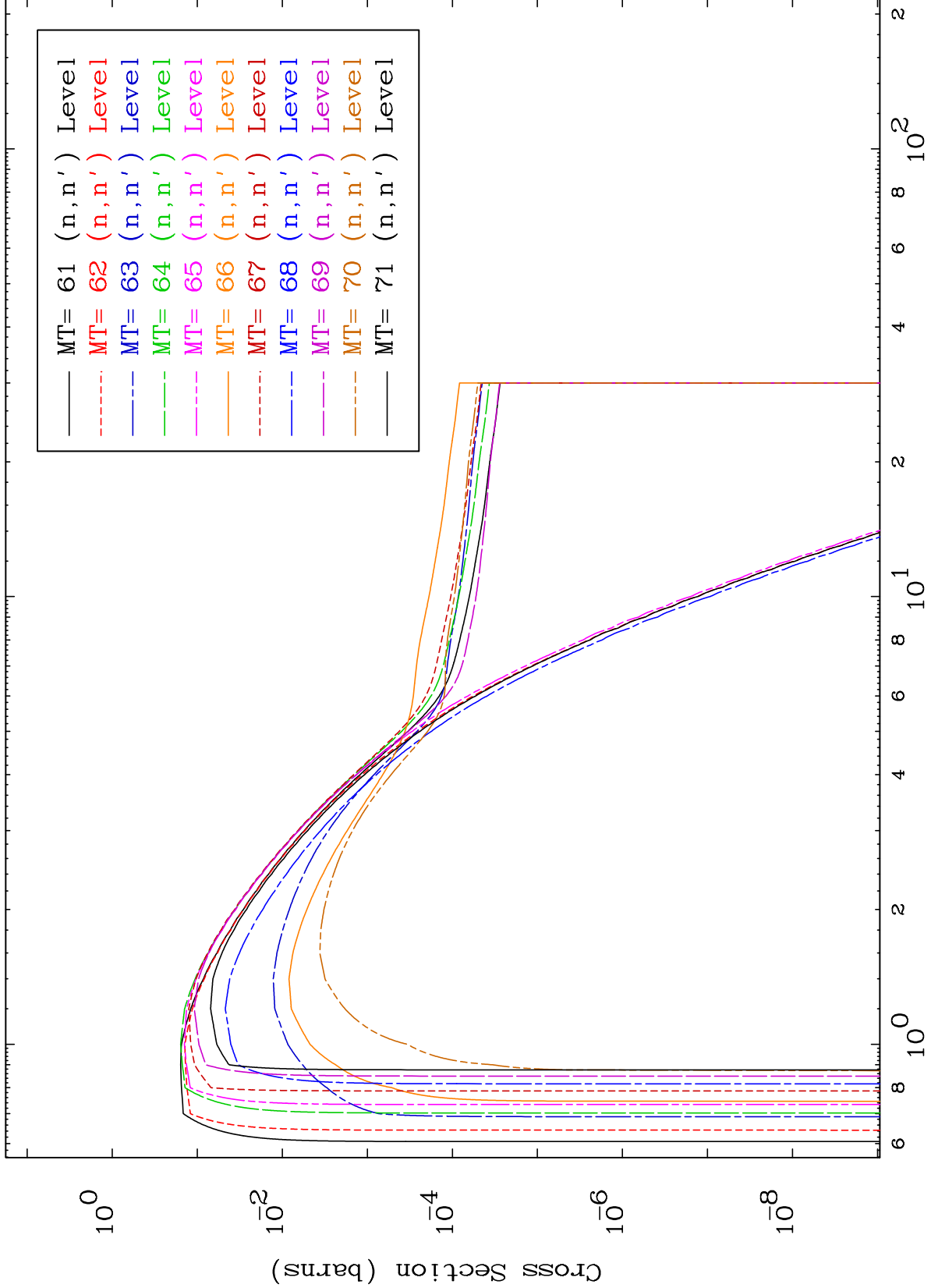
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MAT 7046

(n,n') Level

70-Yb-175

293 Kelvin Cross Sections



8

Incident Energy (MeV)

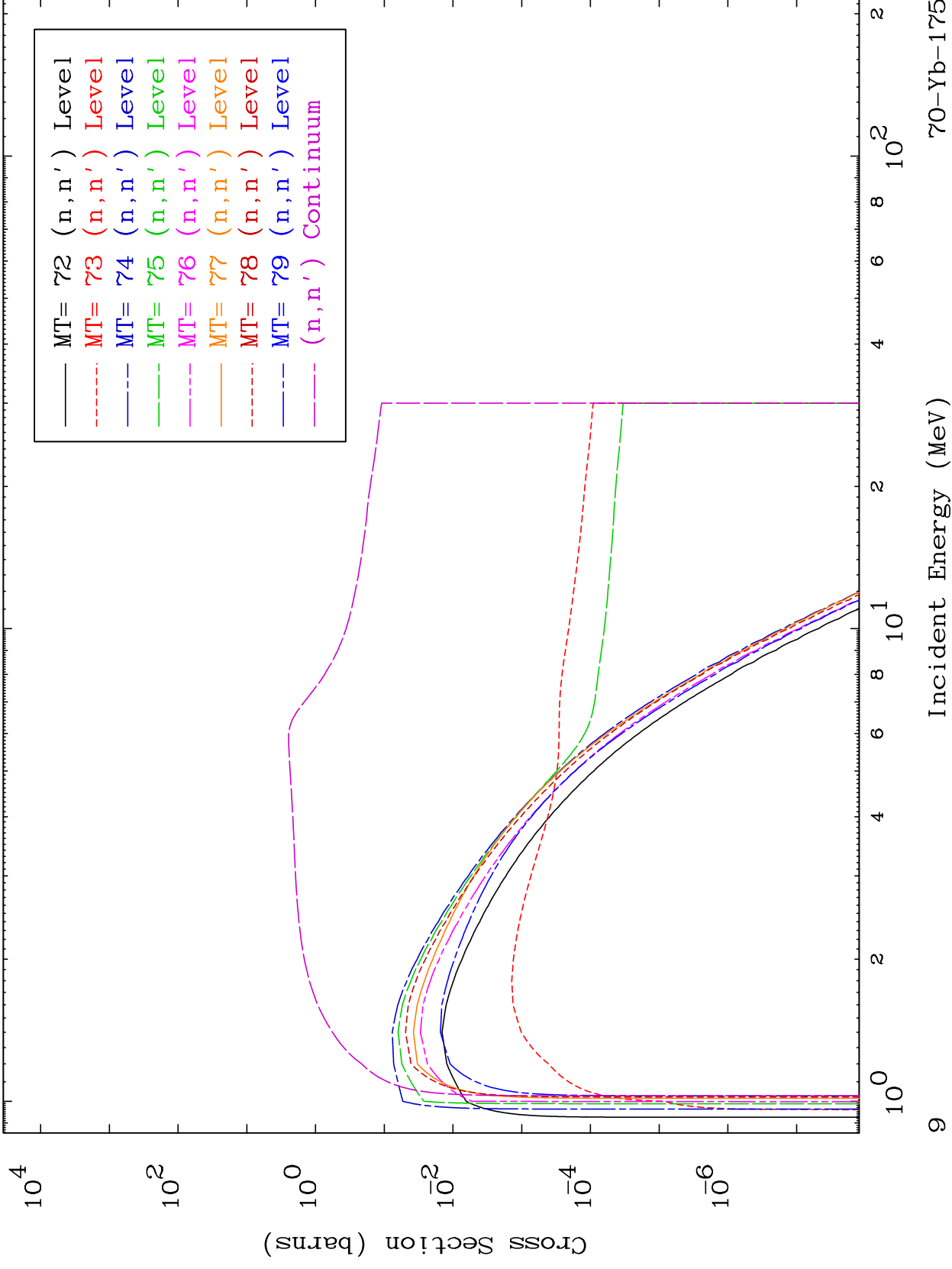
70-Yb-175

MAT 7046

(n,n') Level

70-Yb-175

293 Kelvin Cross Sections



70-Yb-175

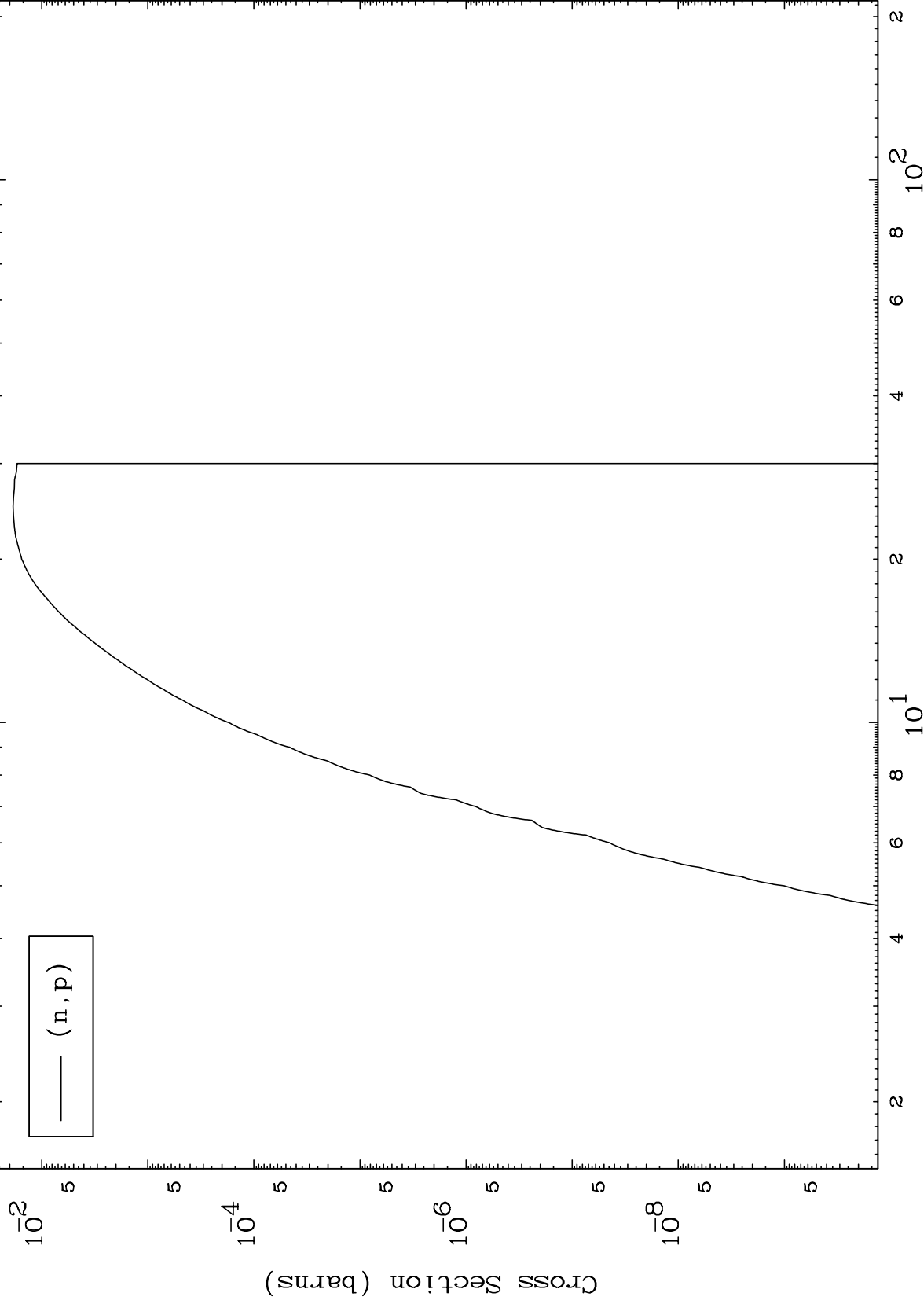
Incident Energy (MeV)

9

MAT 7046

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-175



10

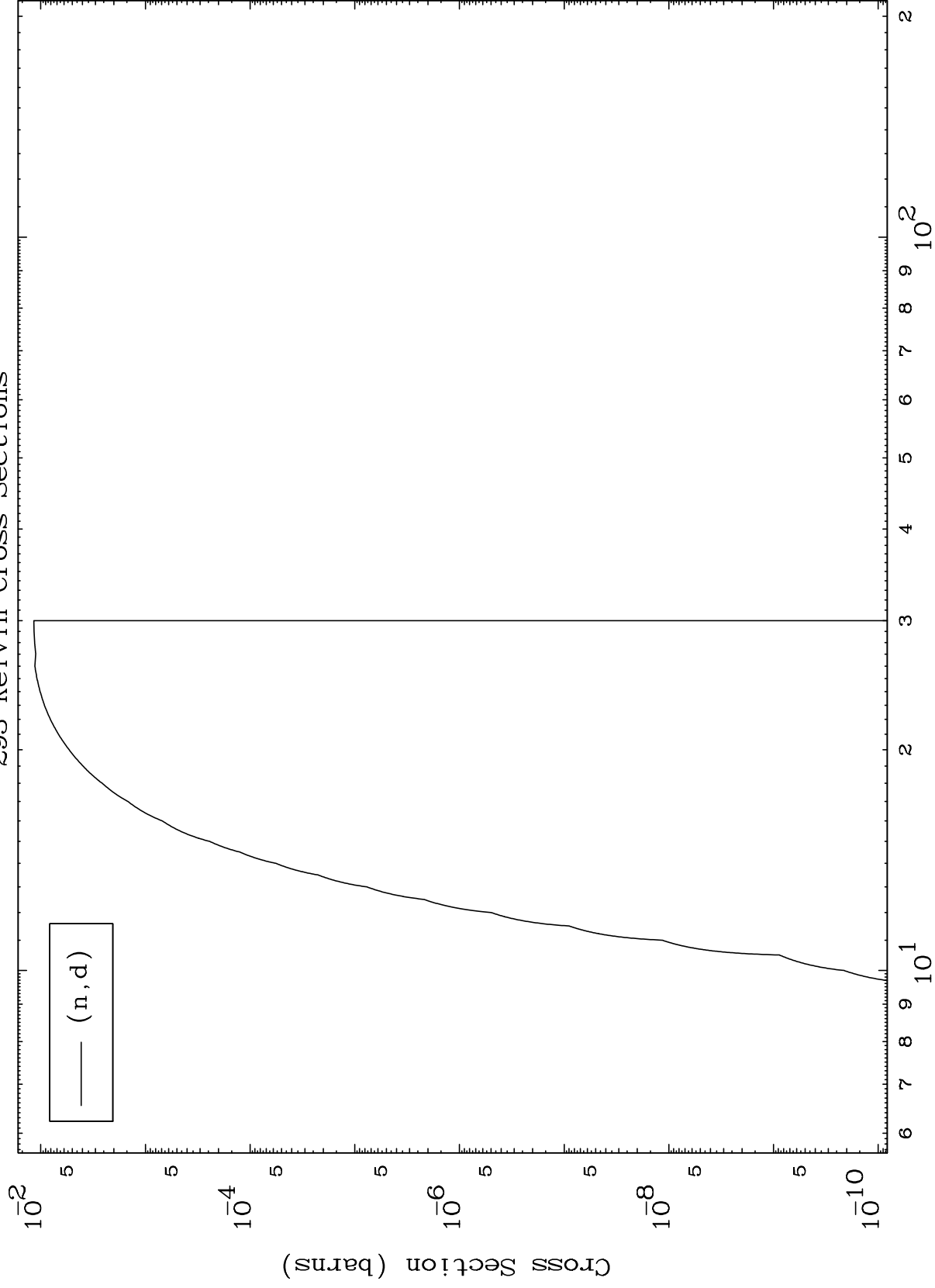
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-175



11

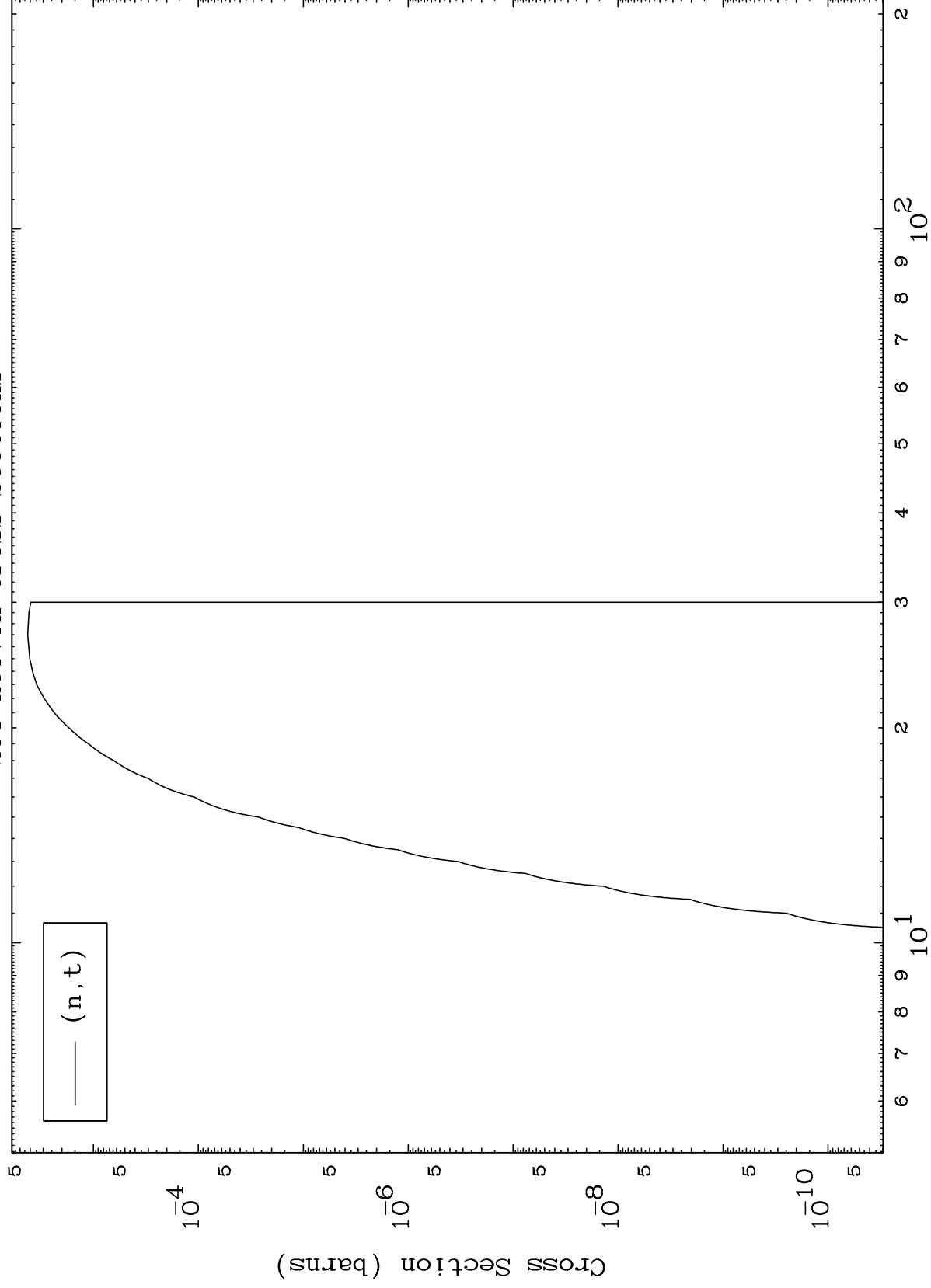
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-175



12

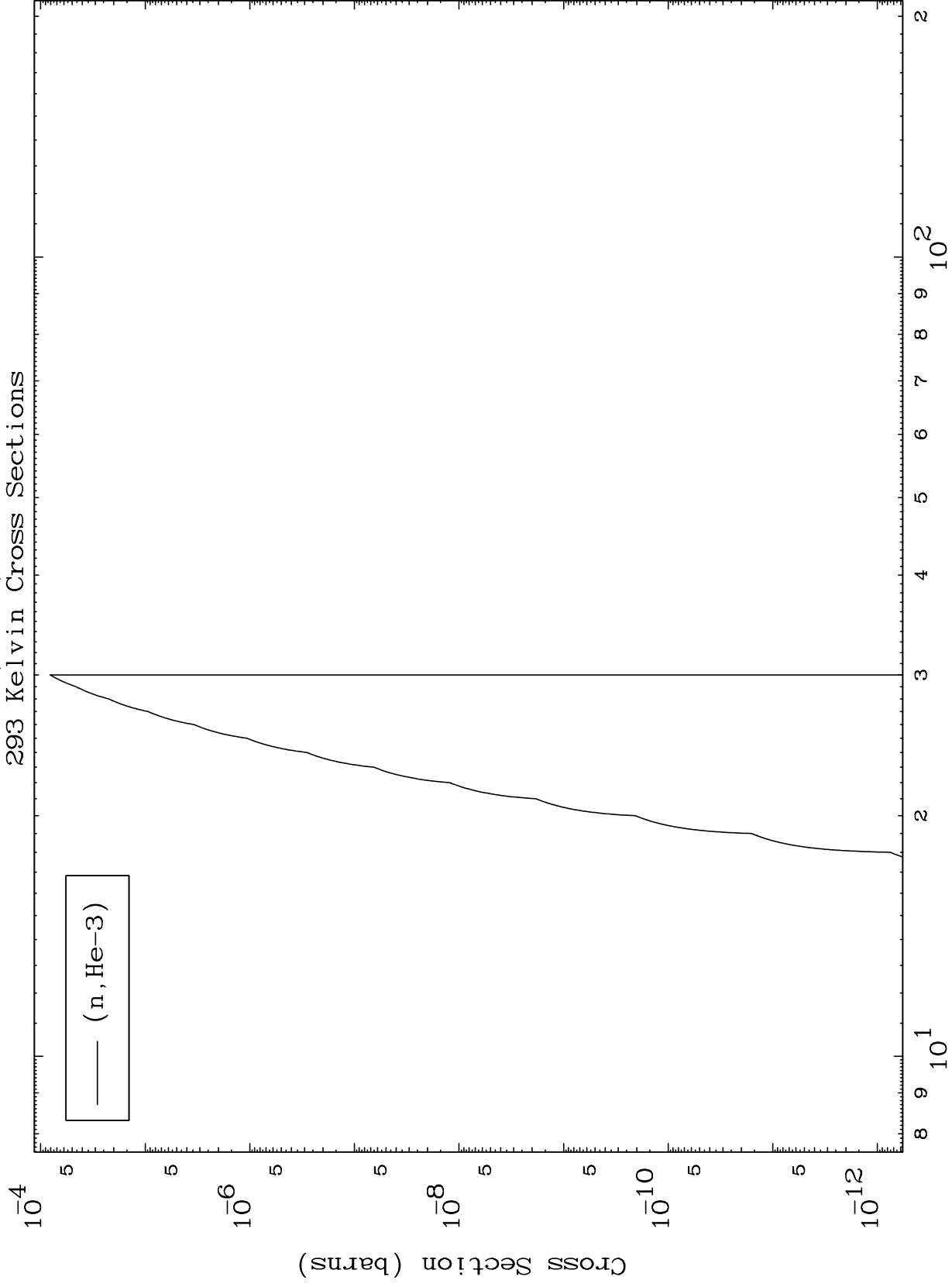
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-175



13

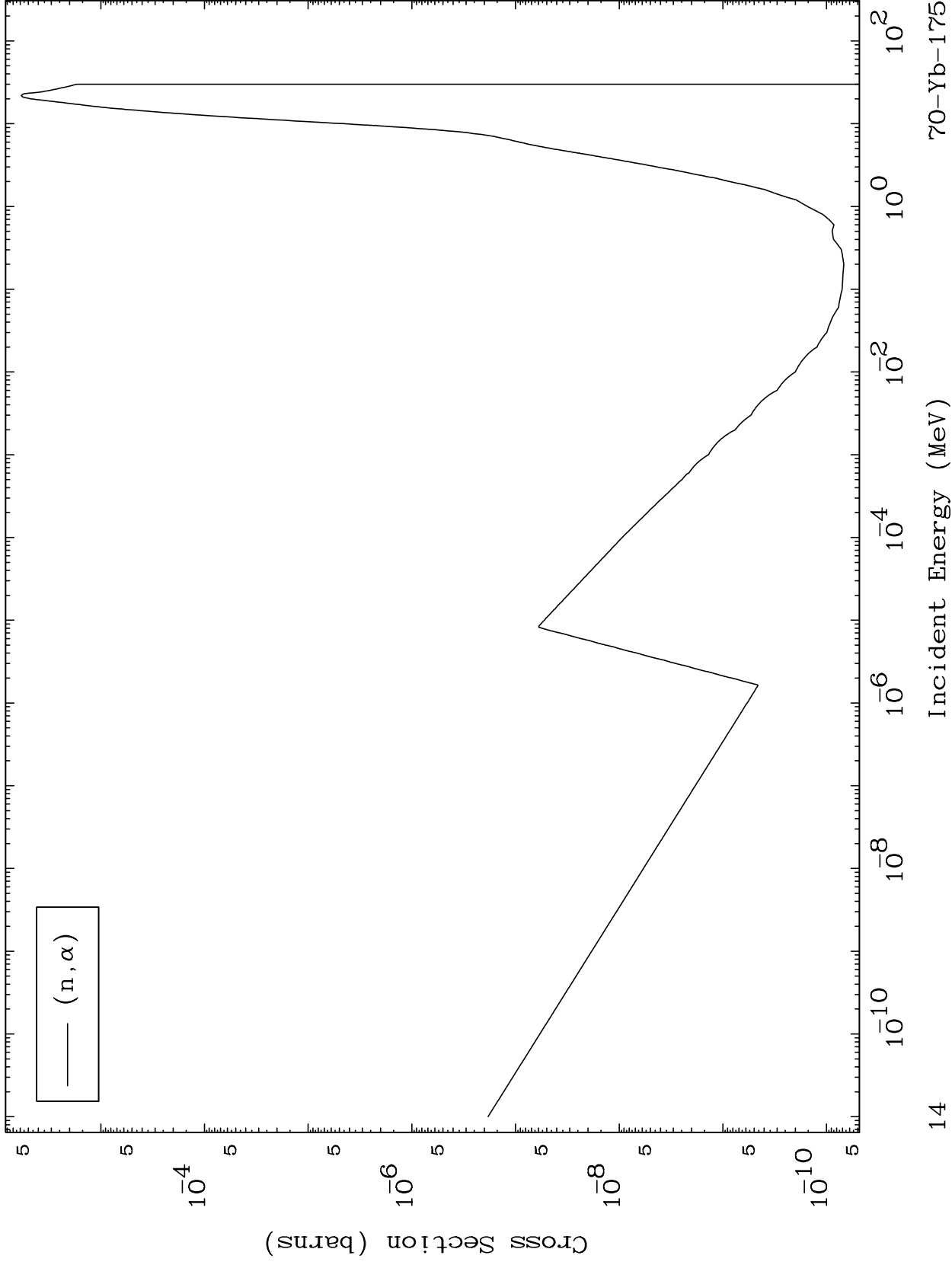
Incident Energy (MeV)

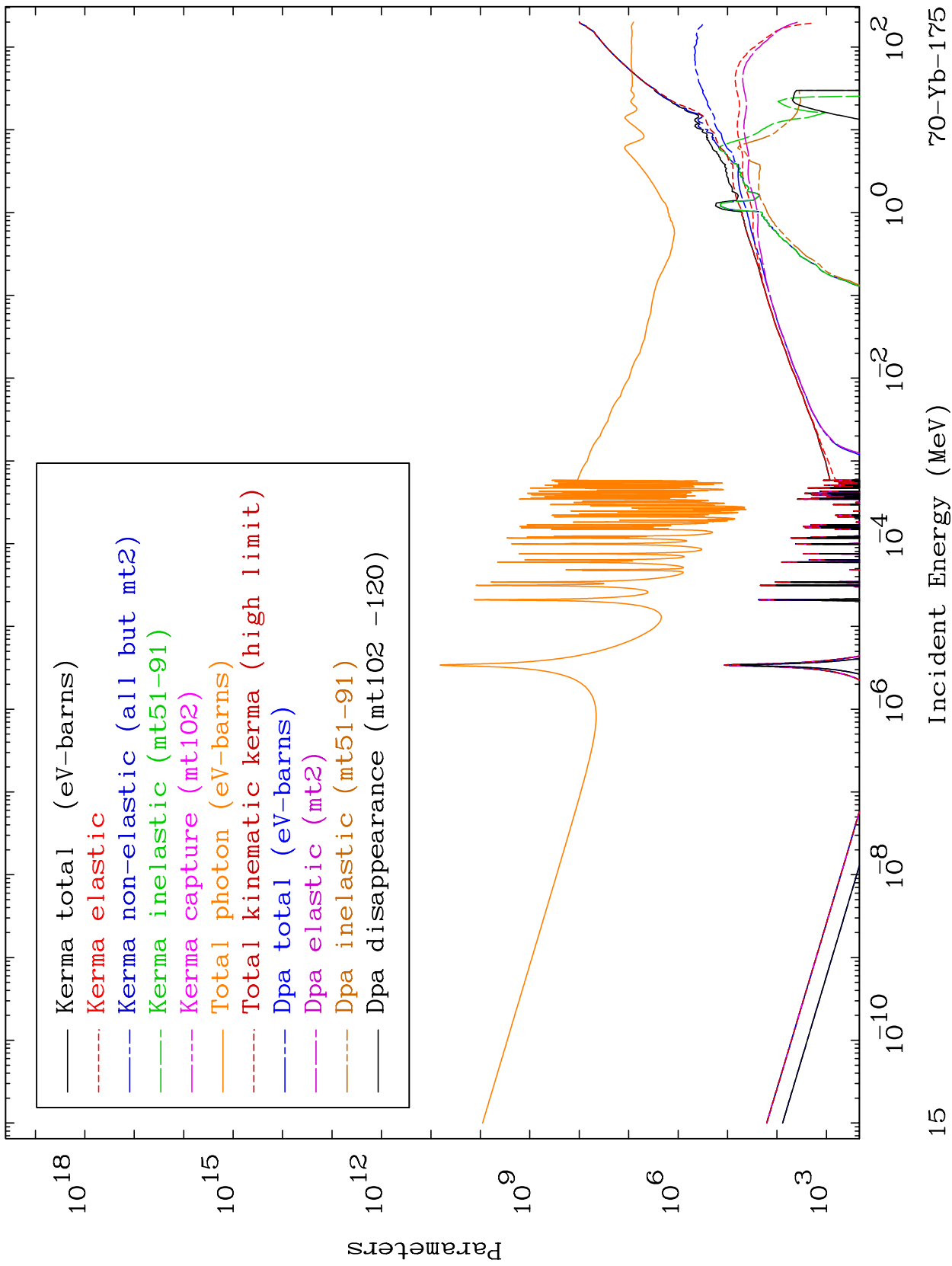
70-Yb-175

MAT 7046

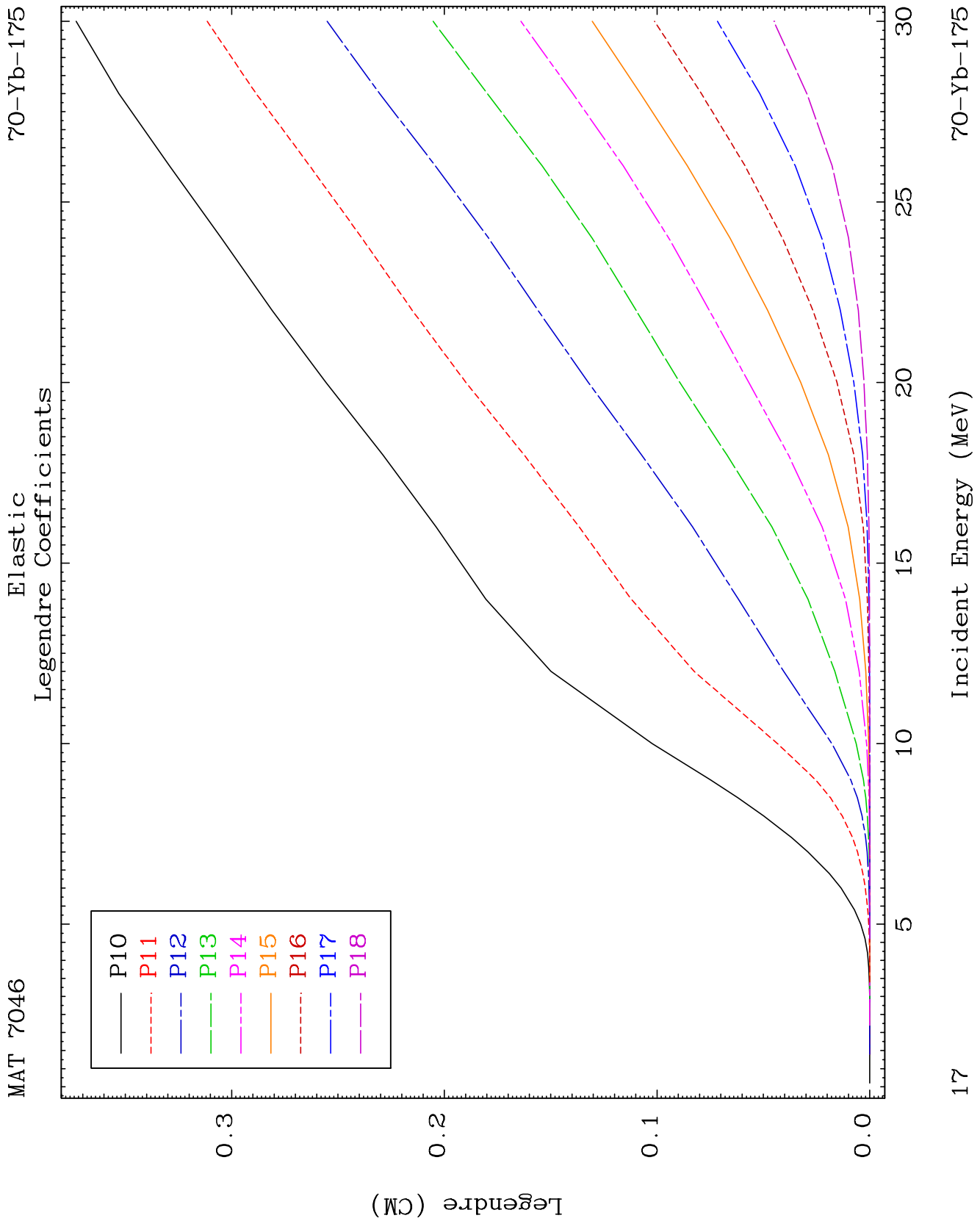
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

70-Yb-175





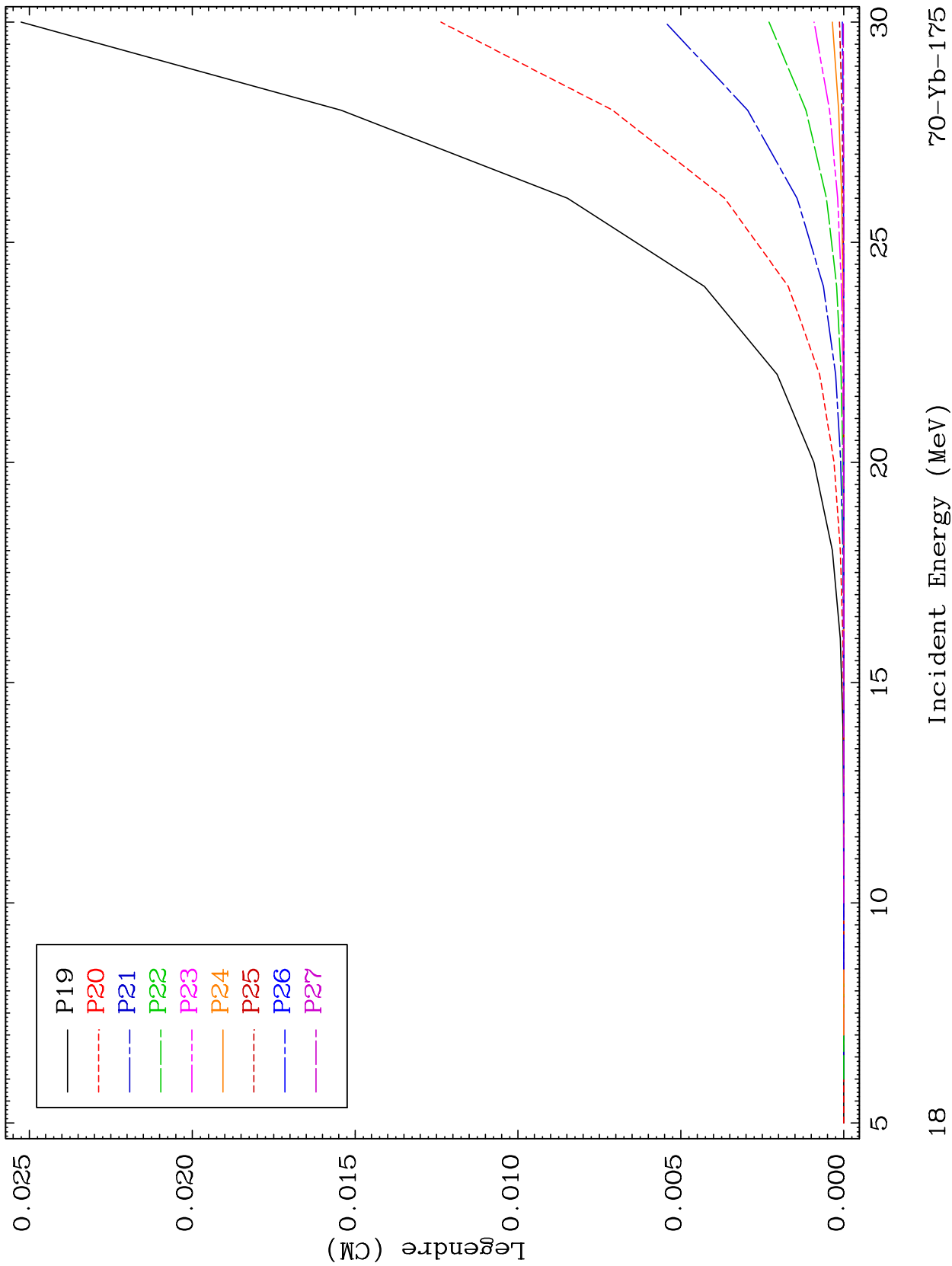




MAT 7046

Elastic  
Legendre Coefficients

70-Yb-175



18

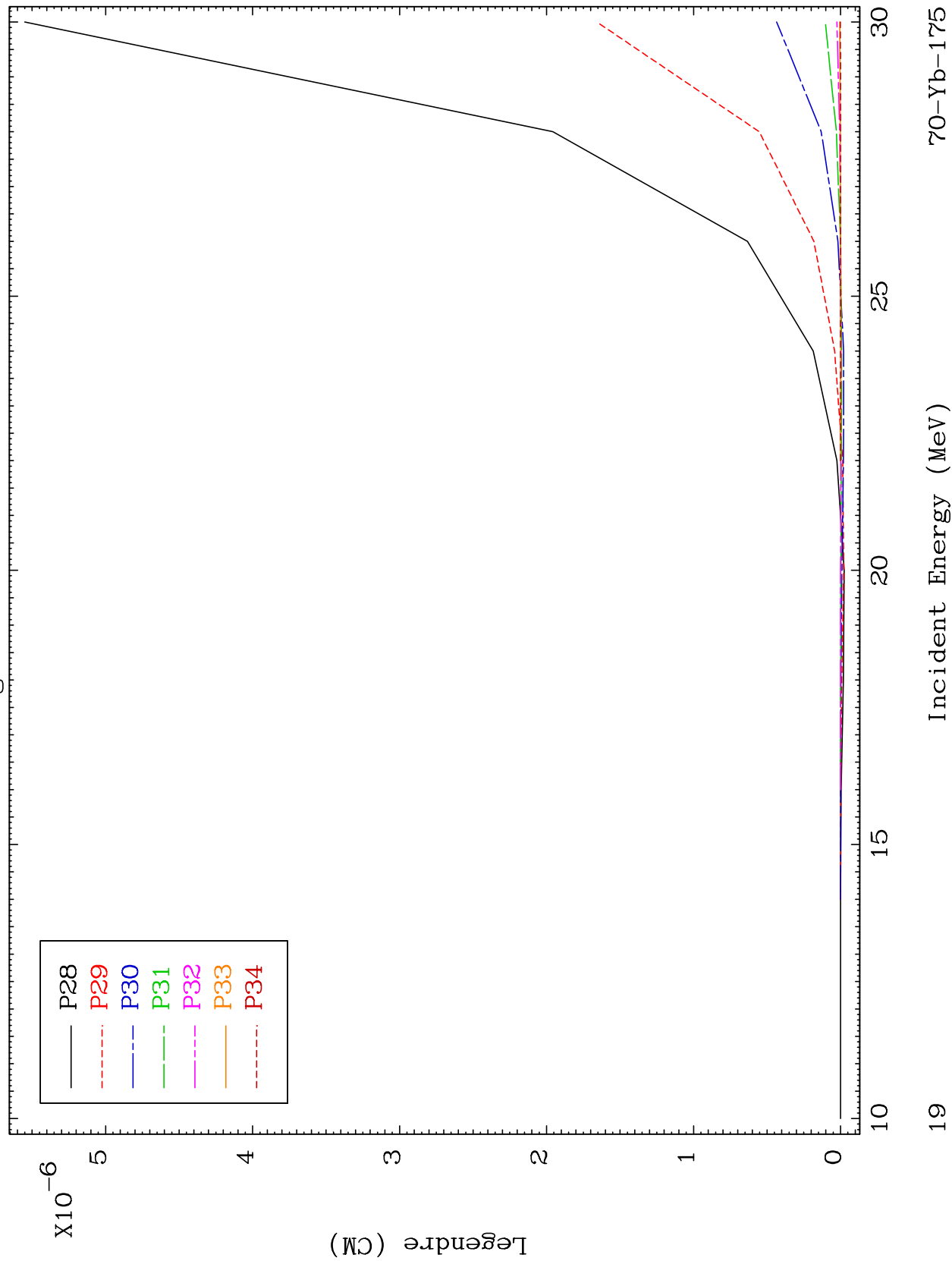
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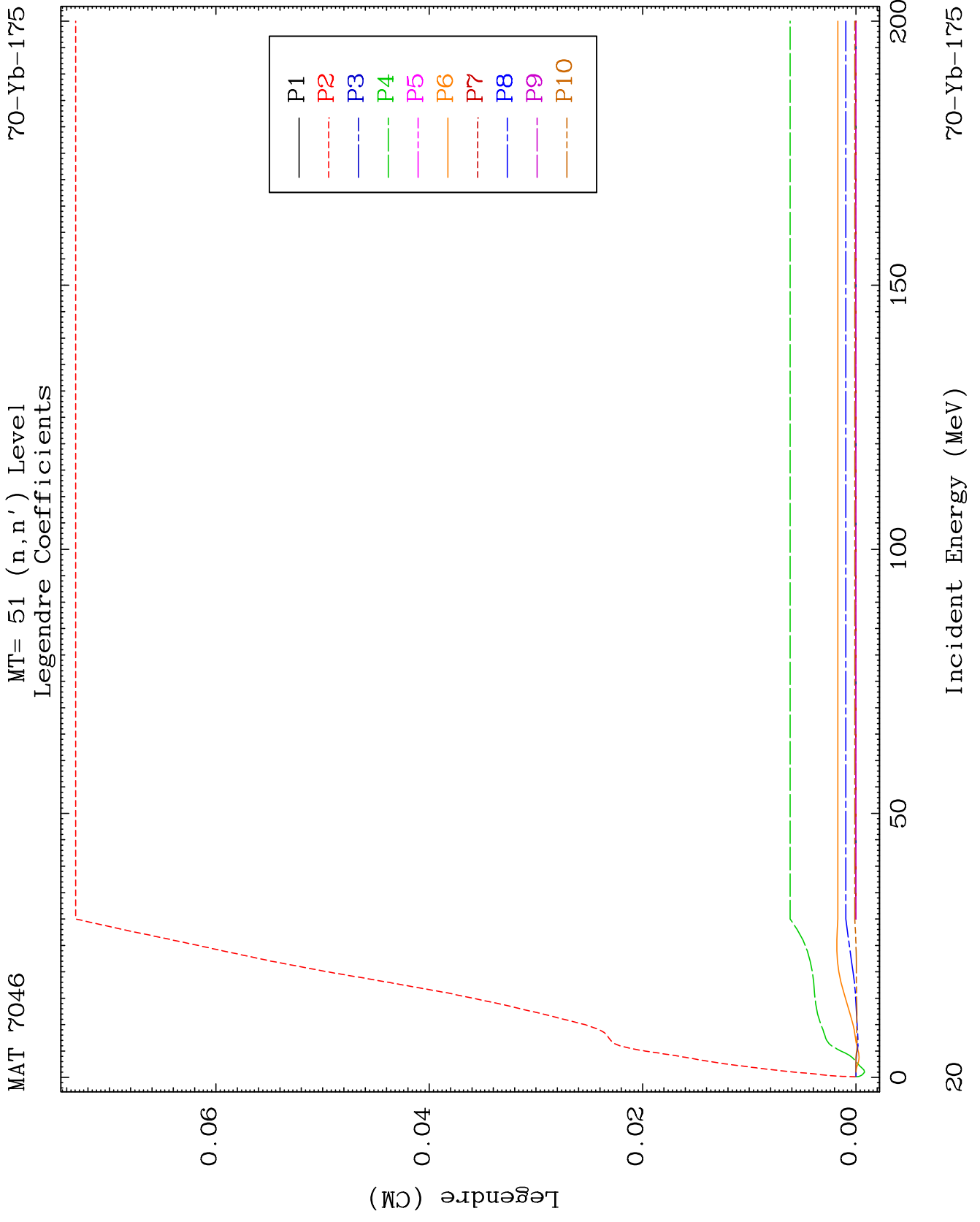
70-Yb-175

MAT 7046

Elastic  
Legendre Coefficients

70-Yb-175

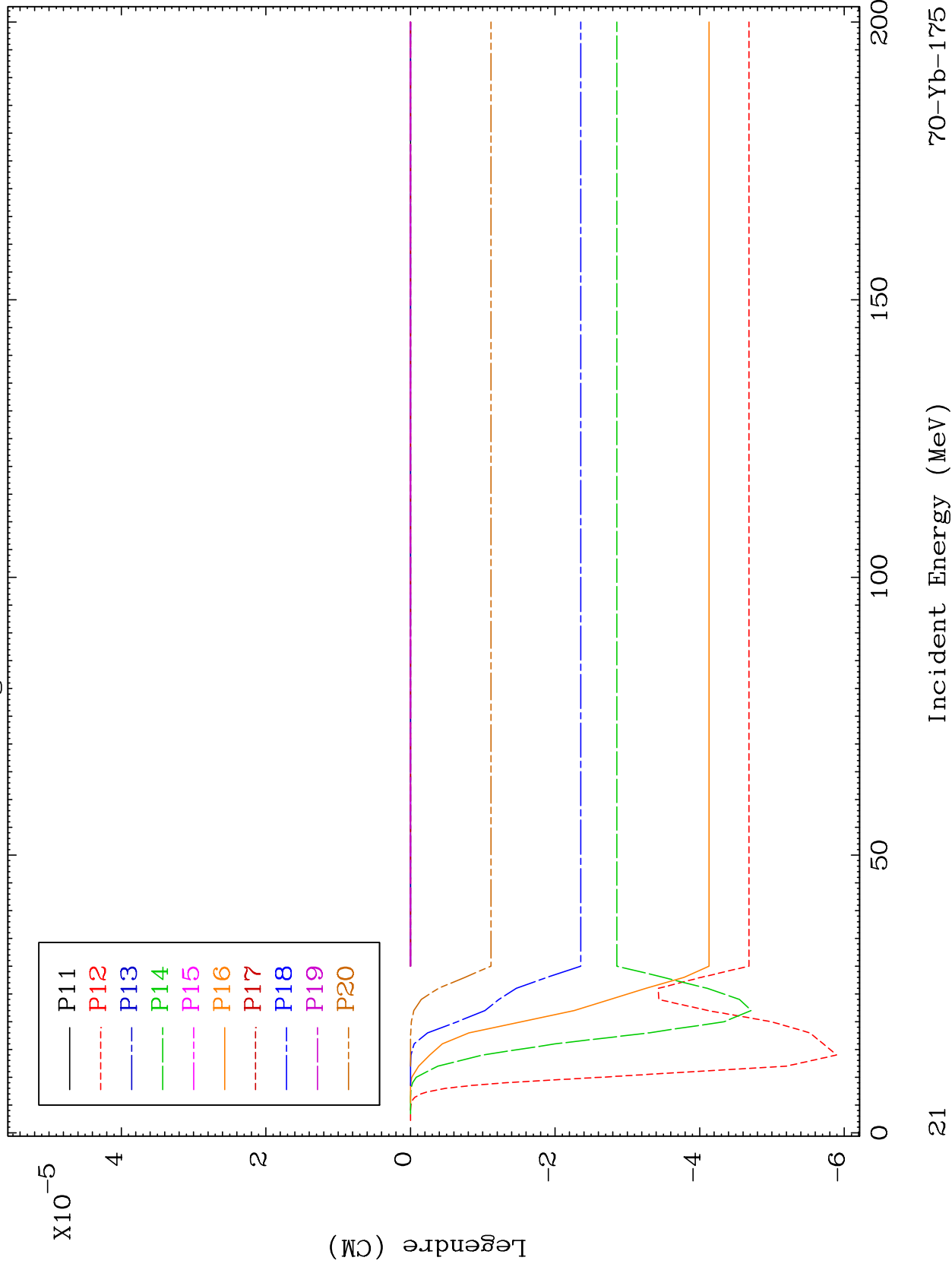




MAT 7046

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

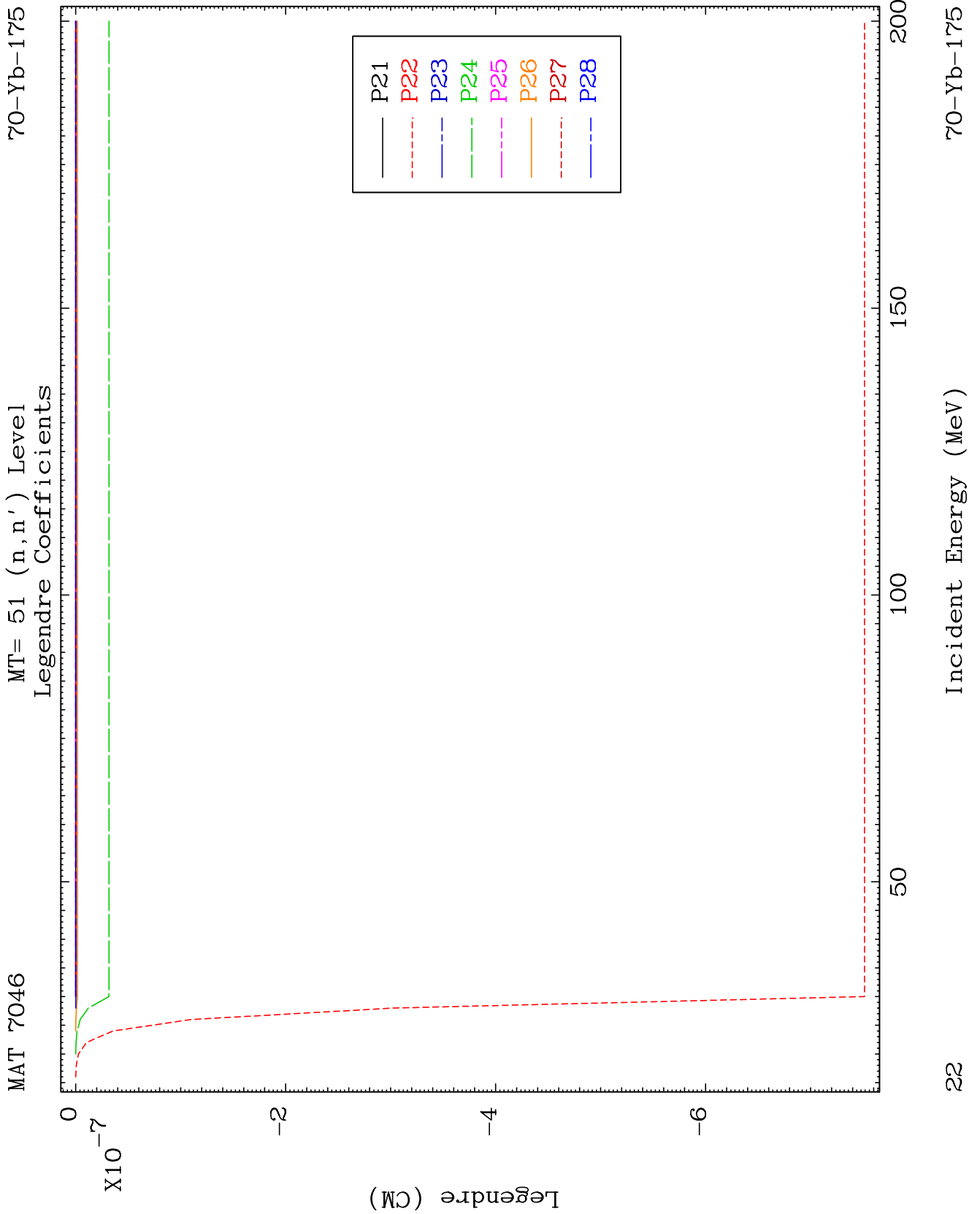
70-Yb-175

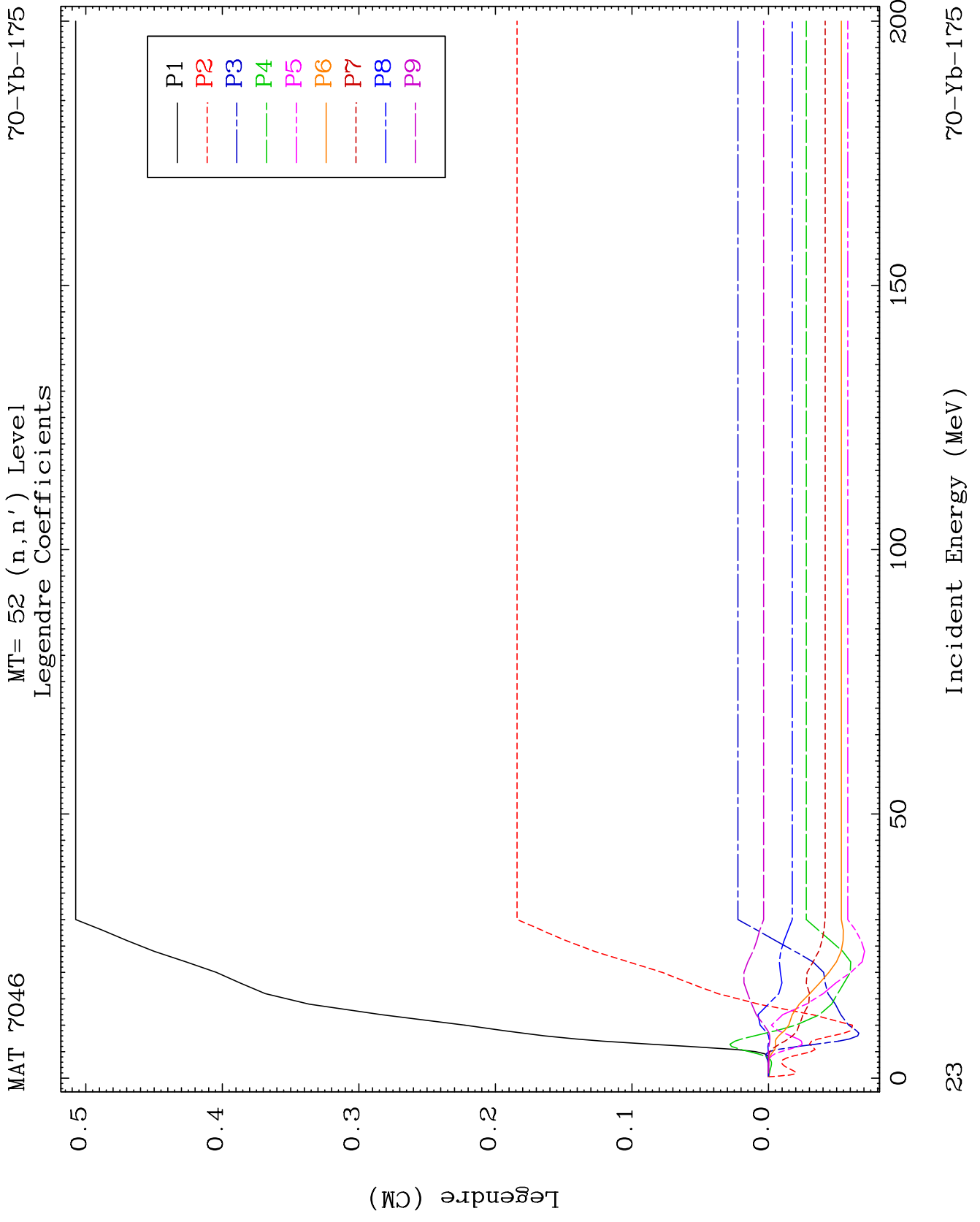


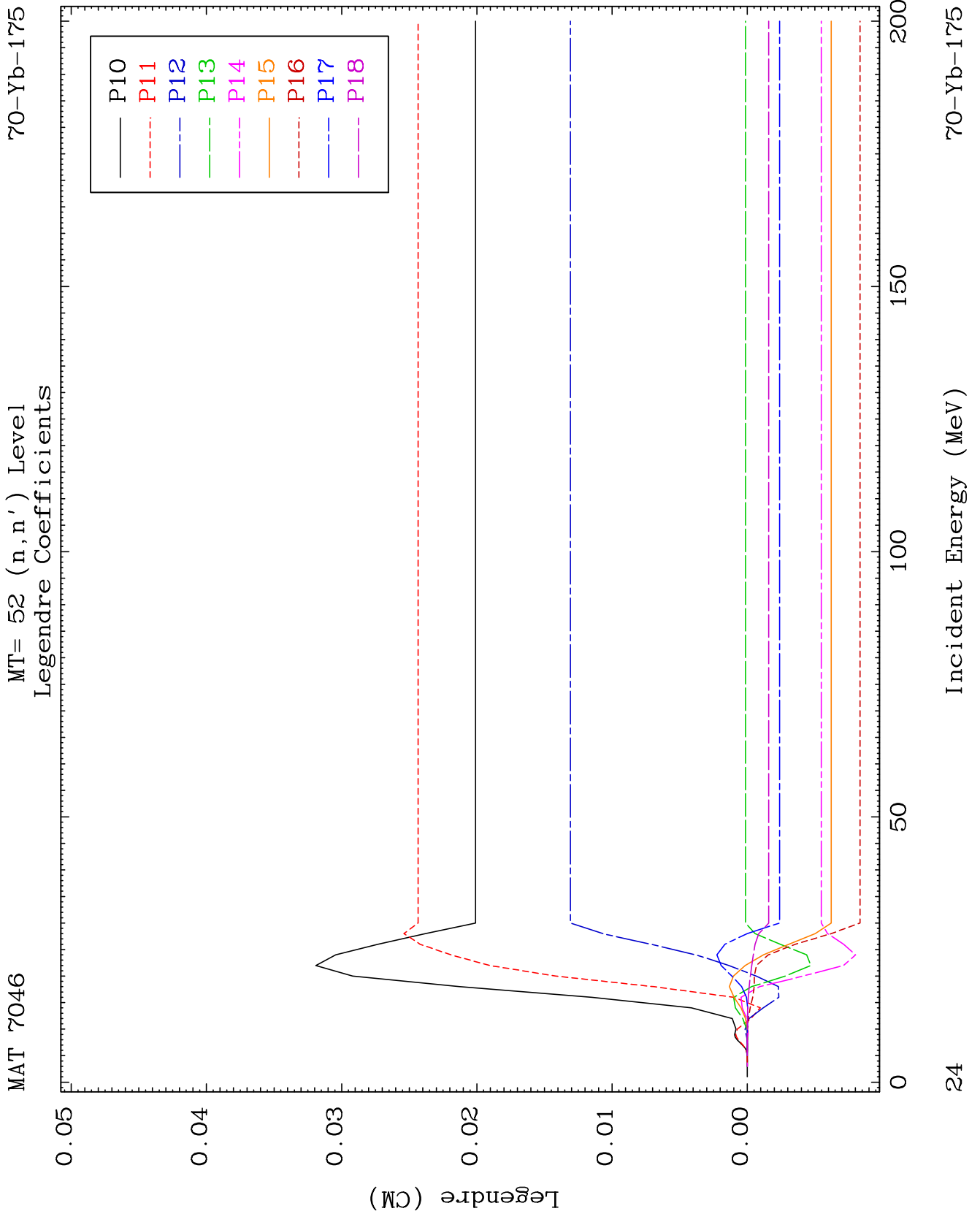
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Incident Energy (MeV)

70-Yb-175



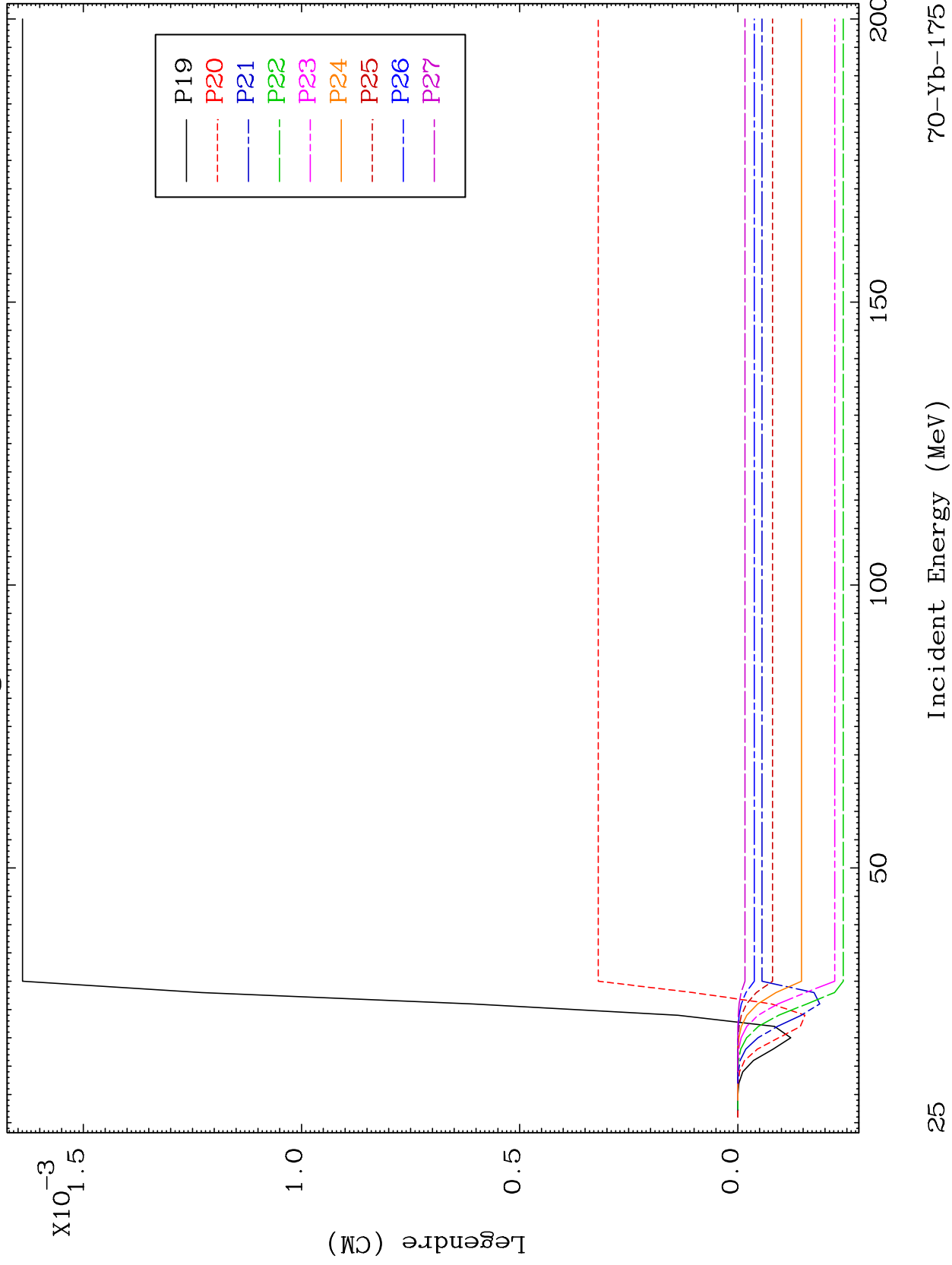


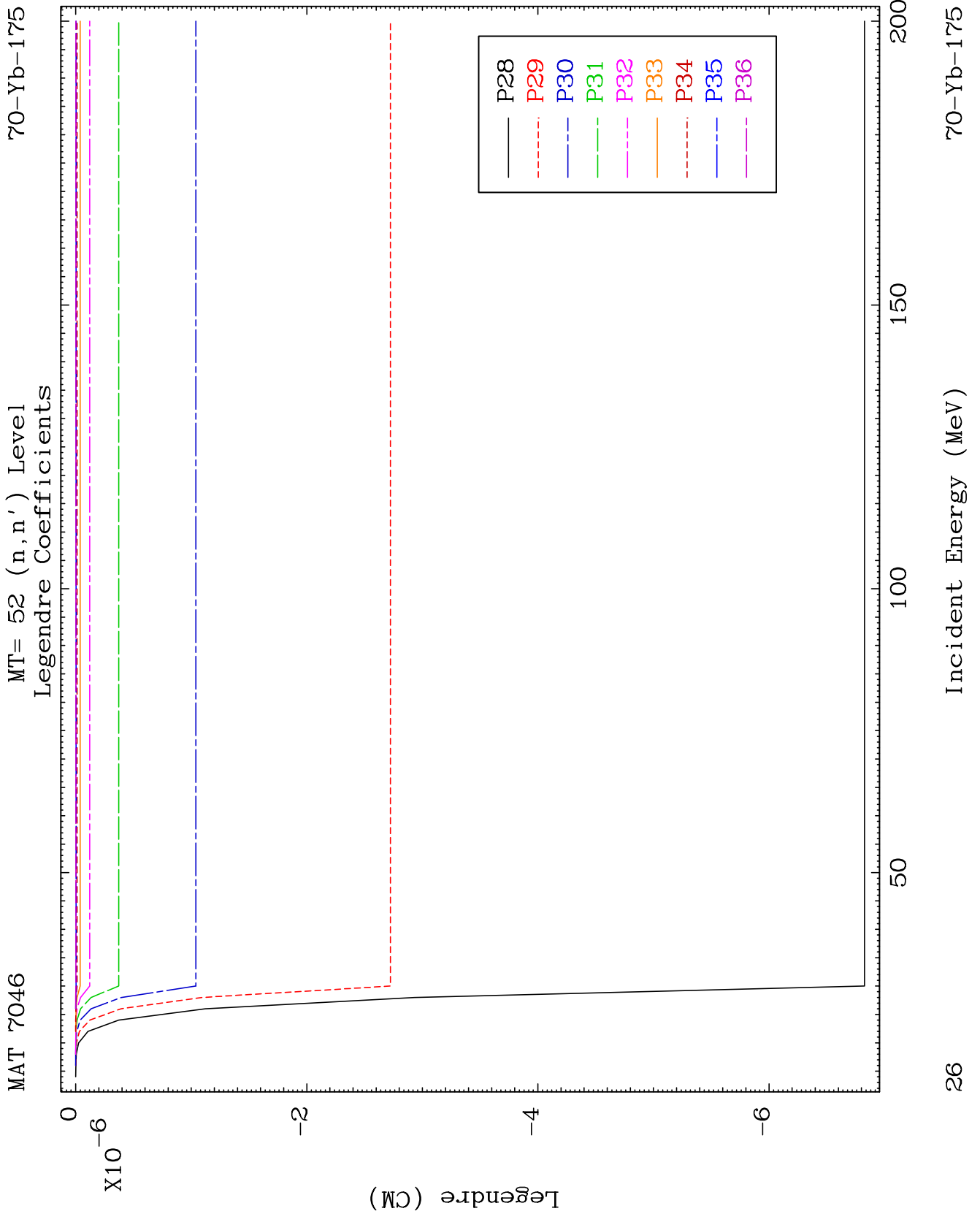


MAT 7046

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

70-Yb-175

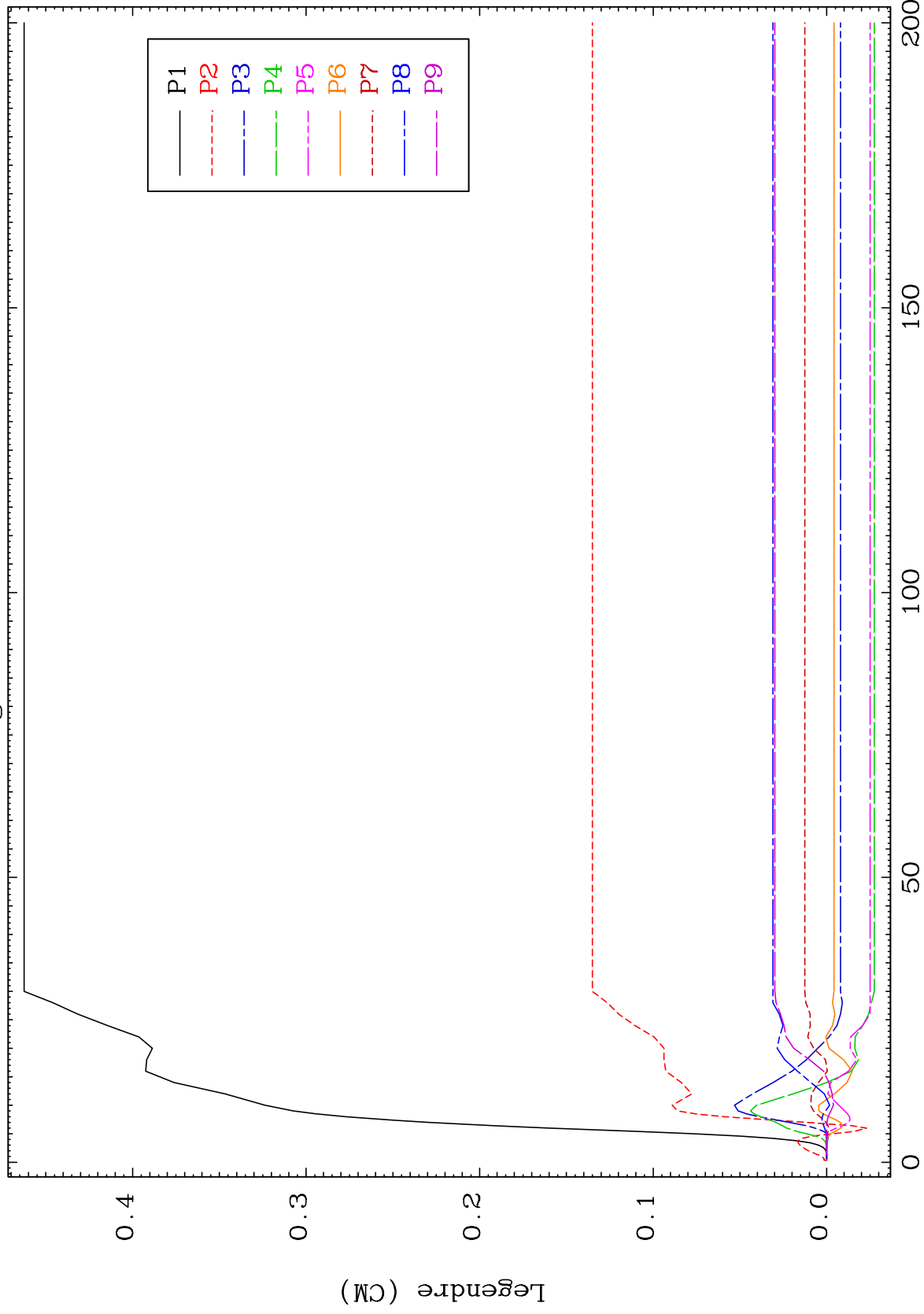




MAT 7046

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

70-Yb-175



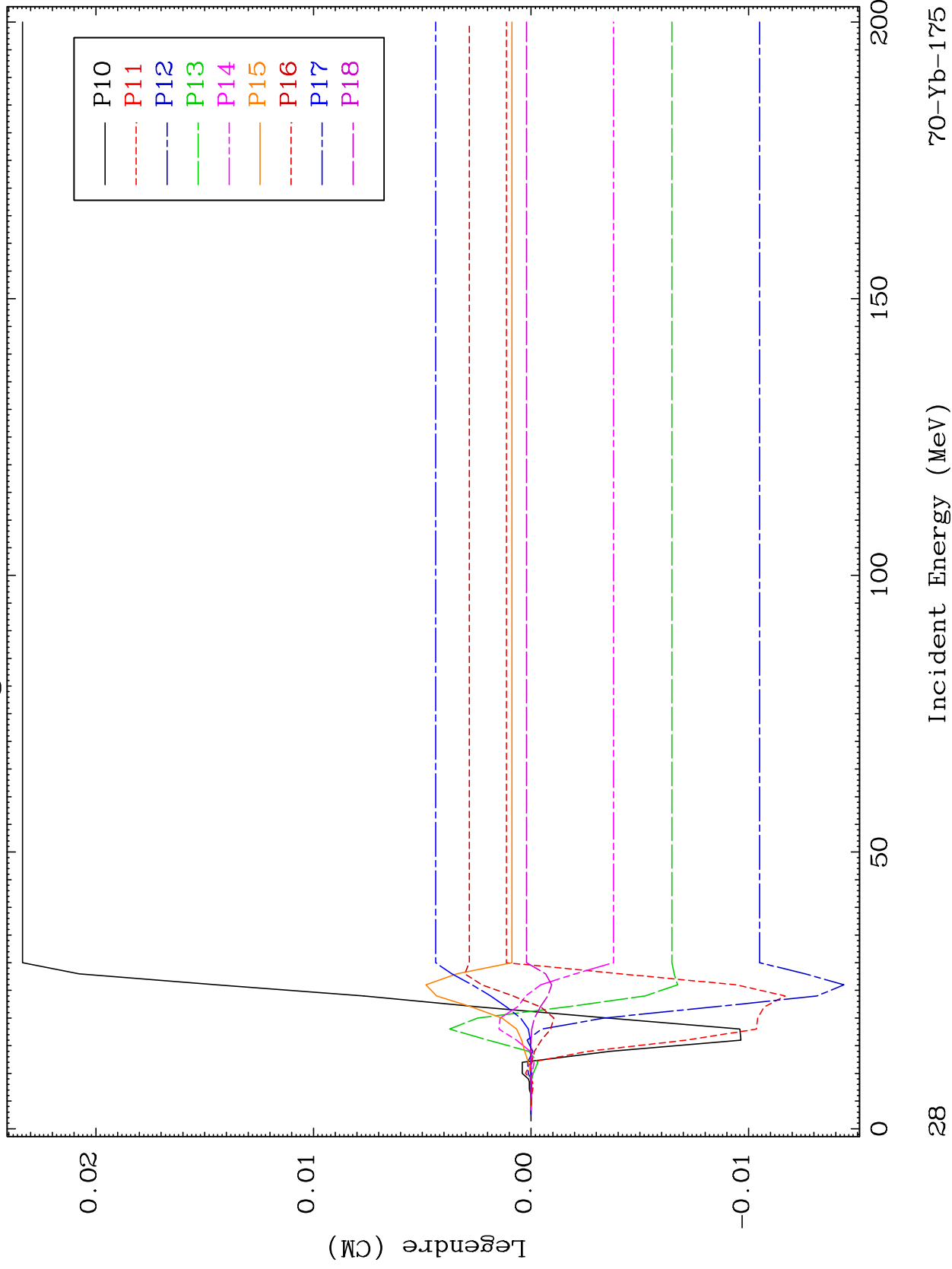
27

70-Yb-175

MAT 7046

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

70-Yb-175



70-Yb-175

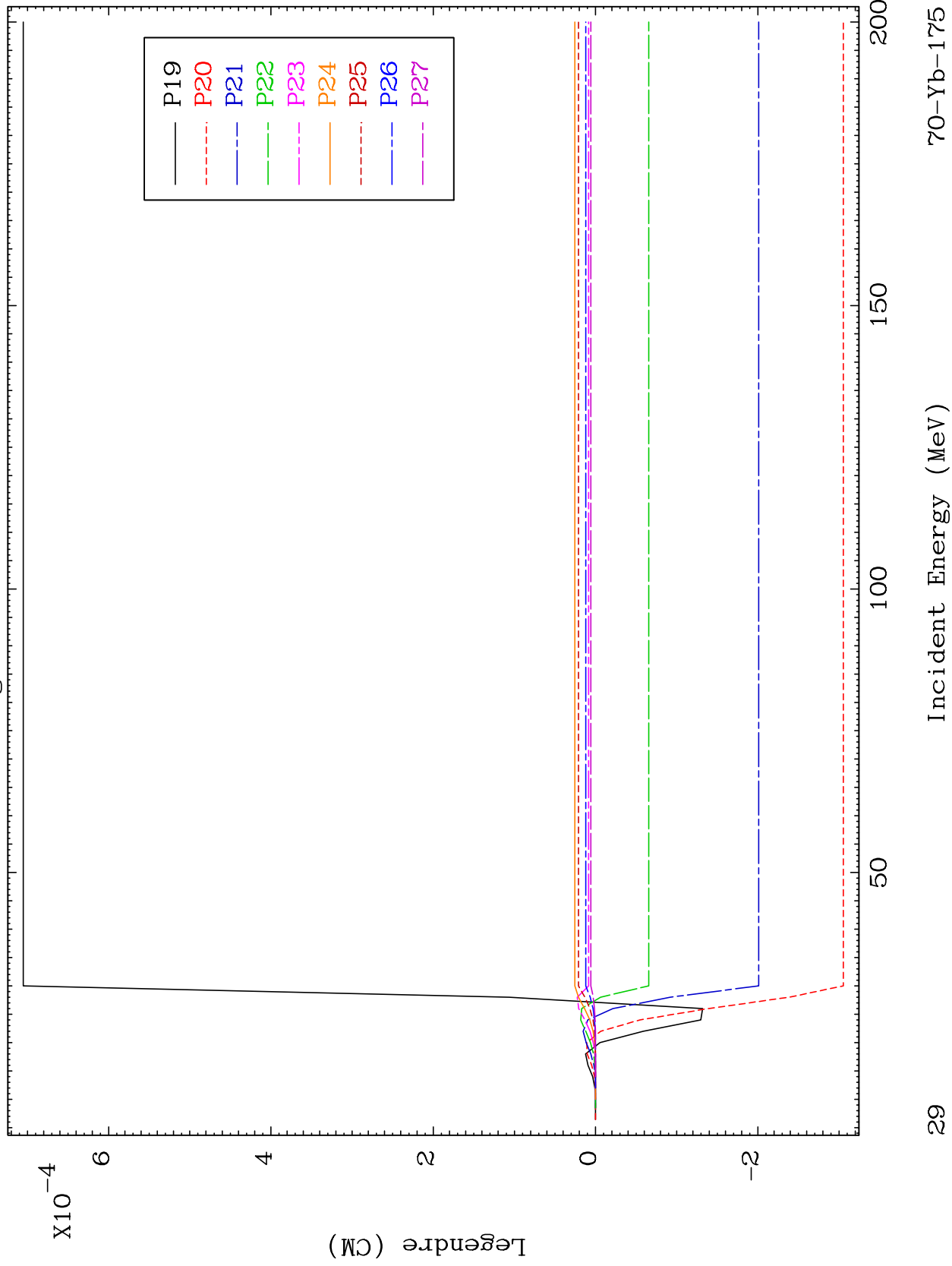
Incident Energy (MeV)

28

MAT 7046

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

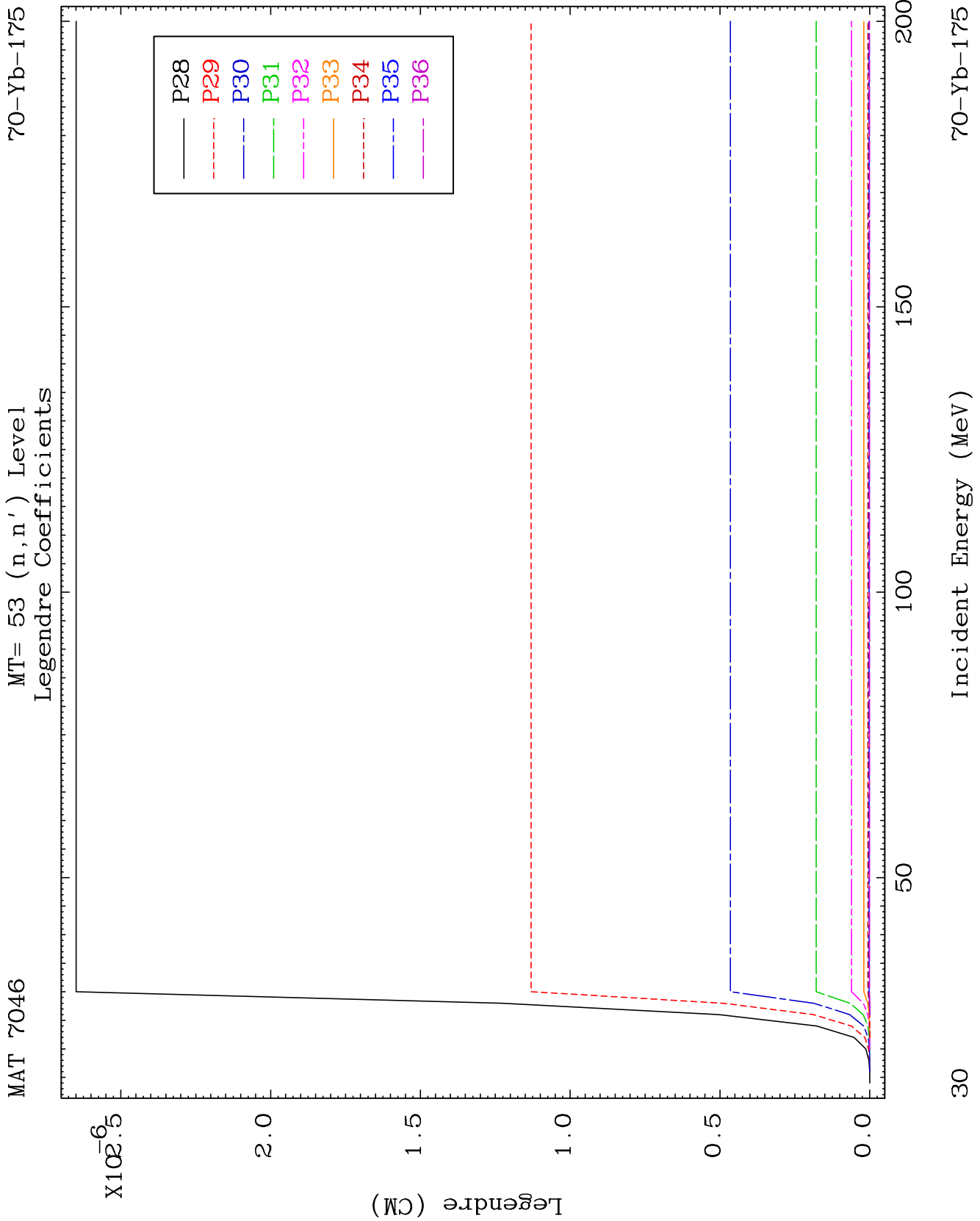
70-Yb-175



29

Incident Energy (MeV)

70-Yb-175



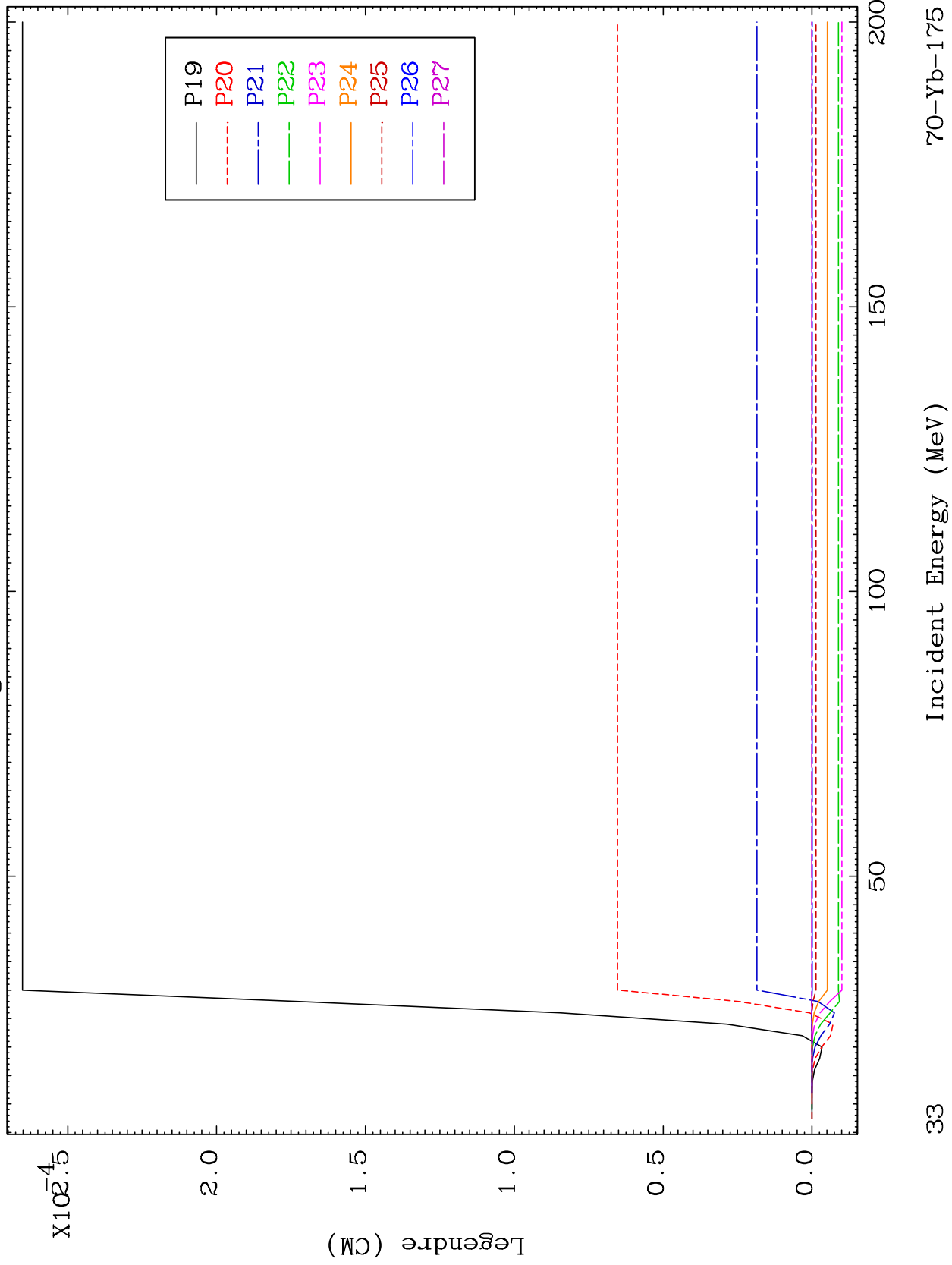




MAT 7046

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

70-Yb-175



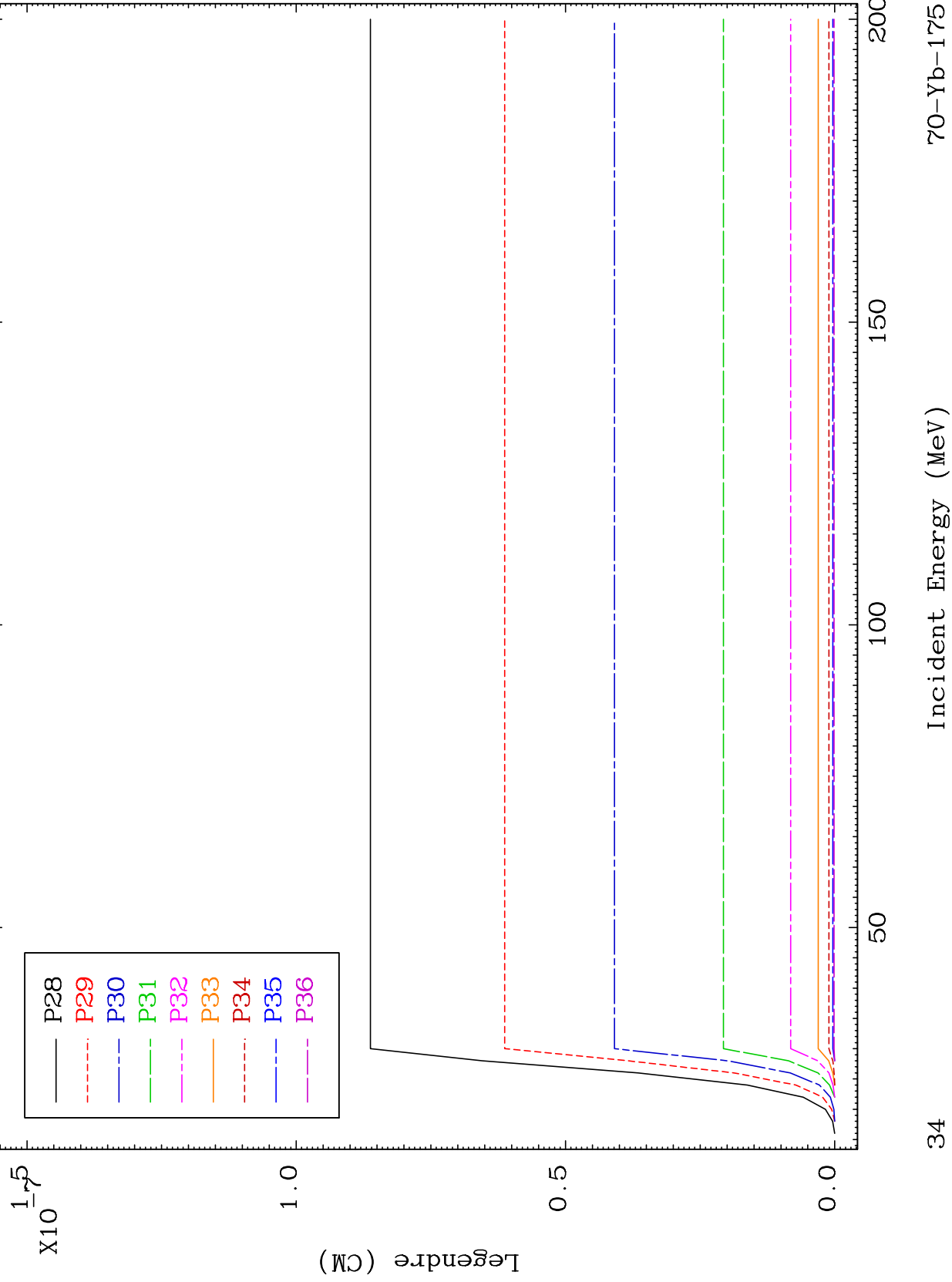
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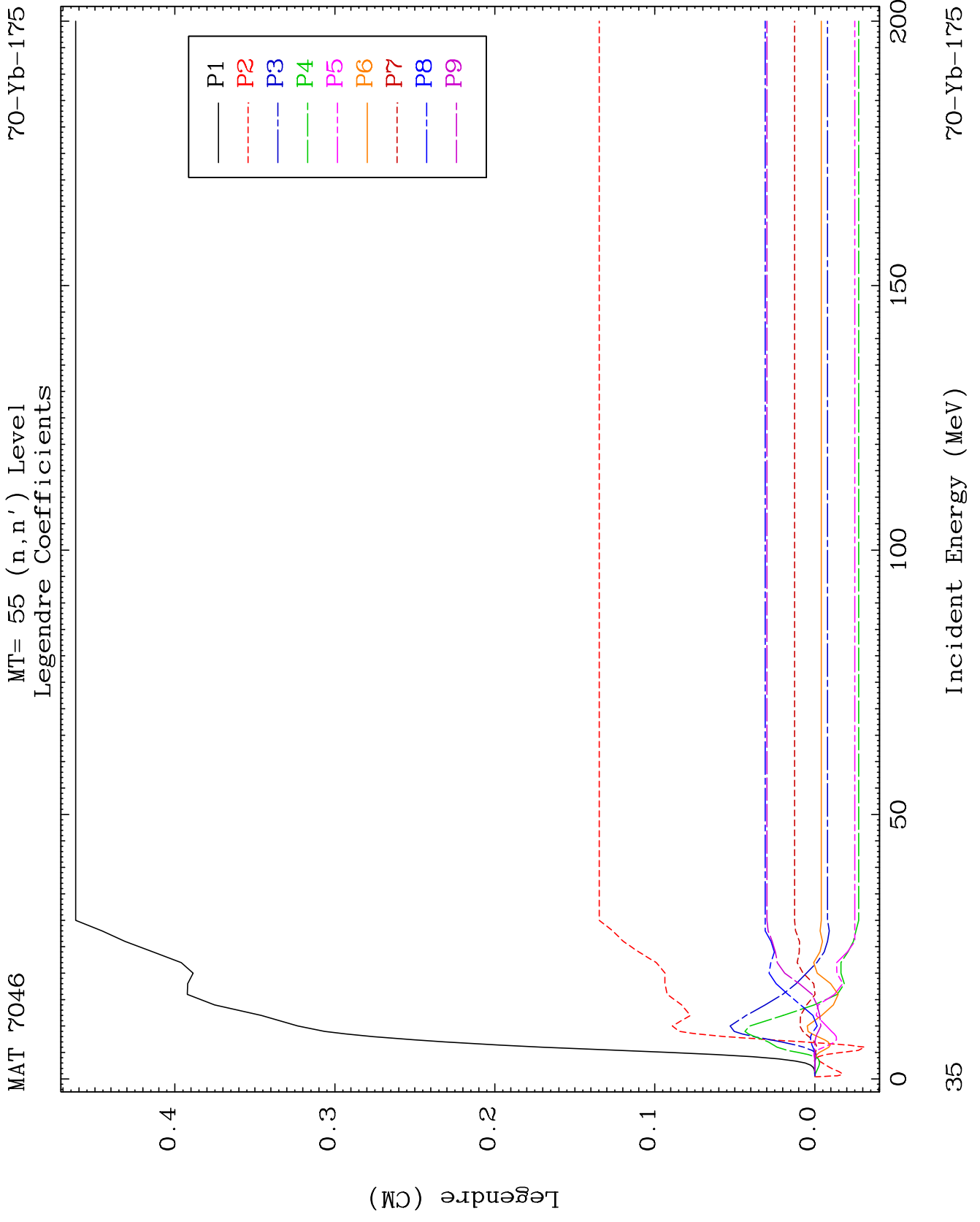
70-Yb-175

MAT 7046

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

70-Yb-175

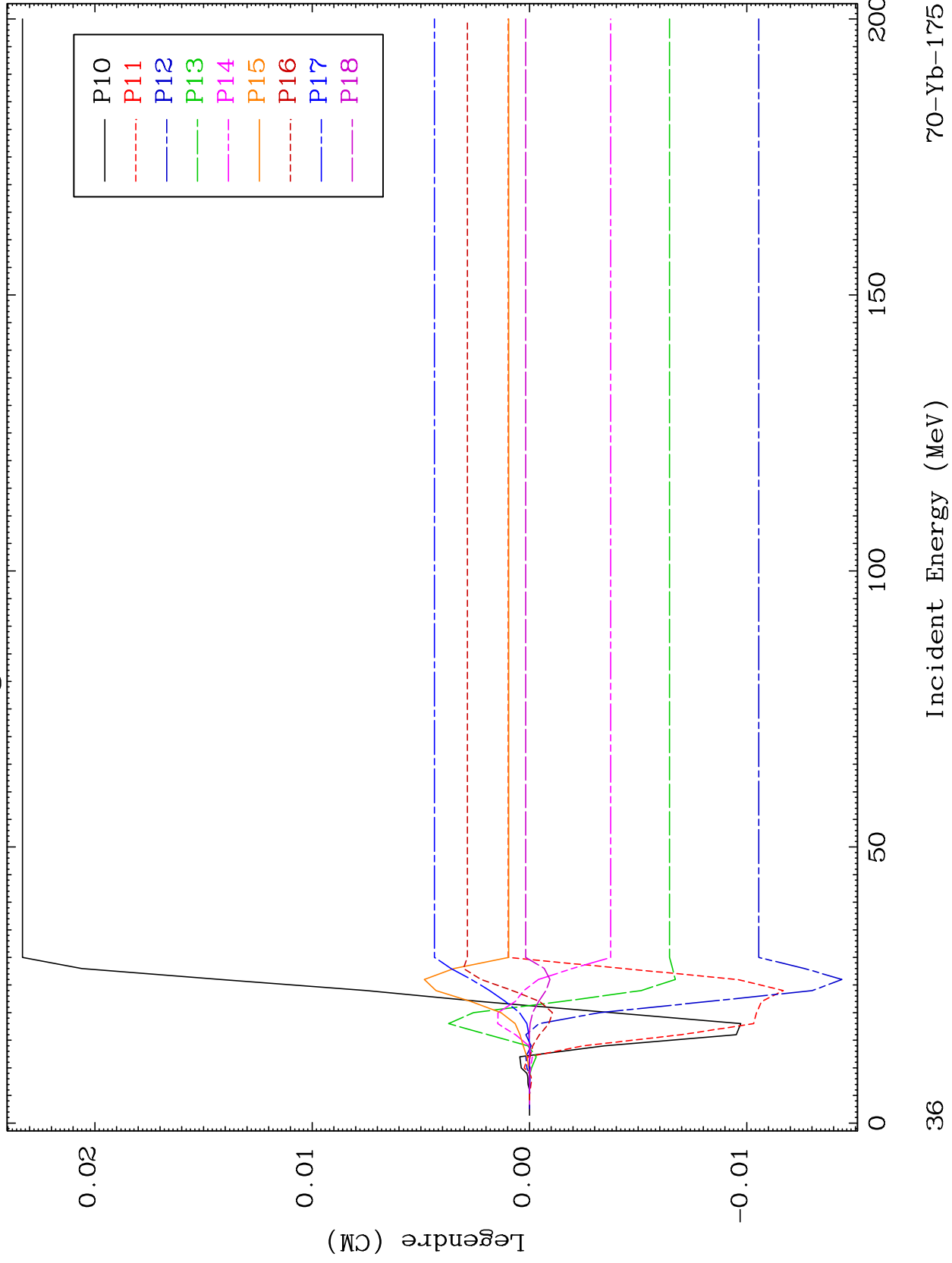




MAT 7046

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

70-Yb-175



70-Yb-175

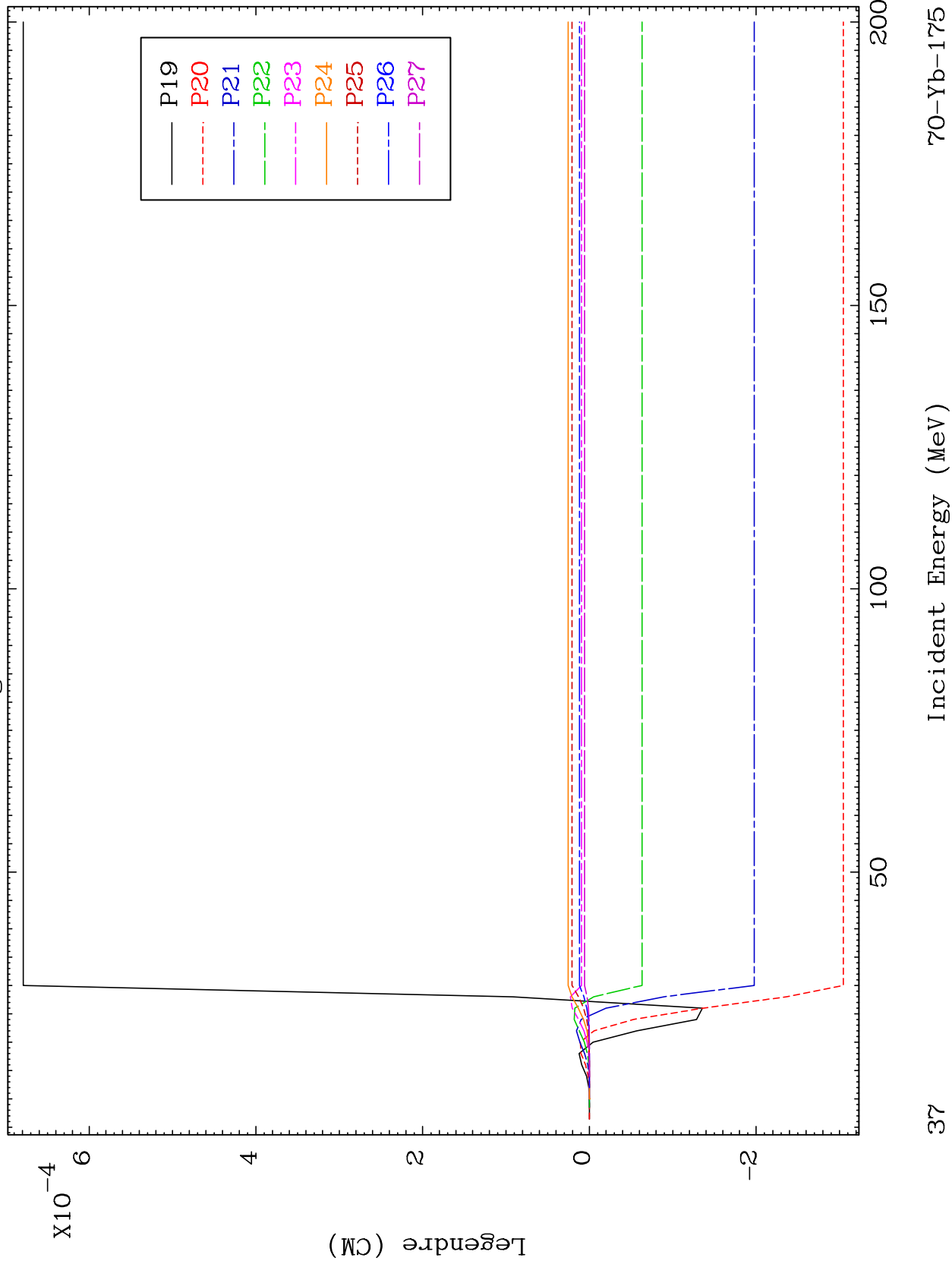
Incident Energy (MeV)

36

MAT 7046

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

70-Yb-175



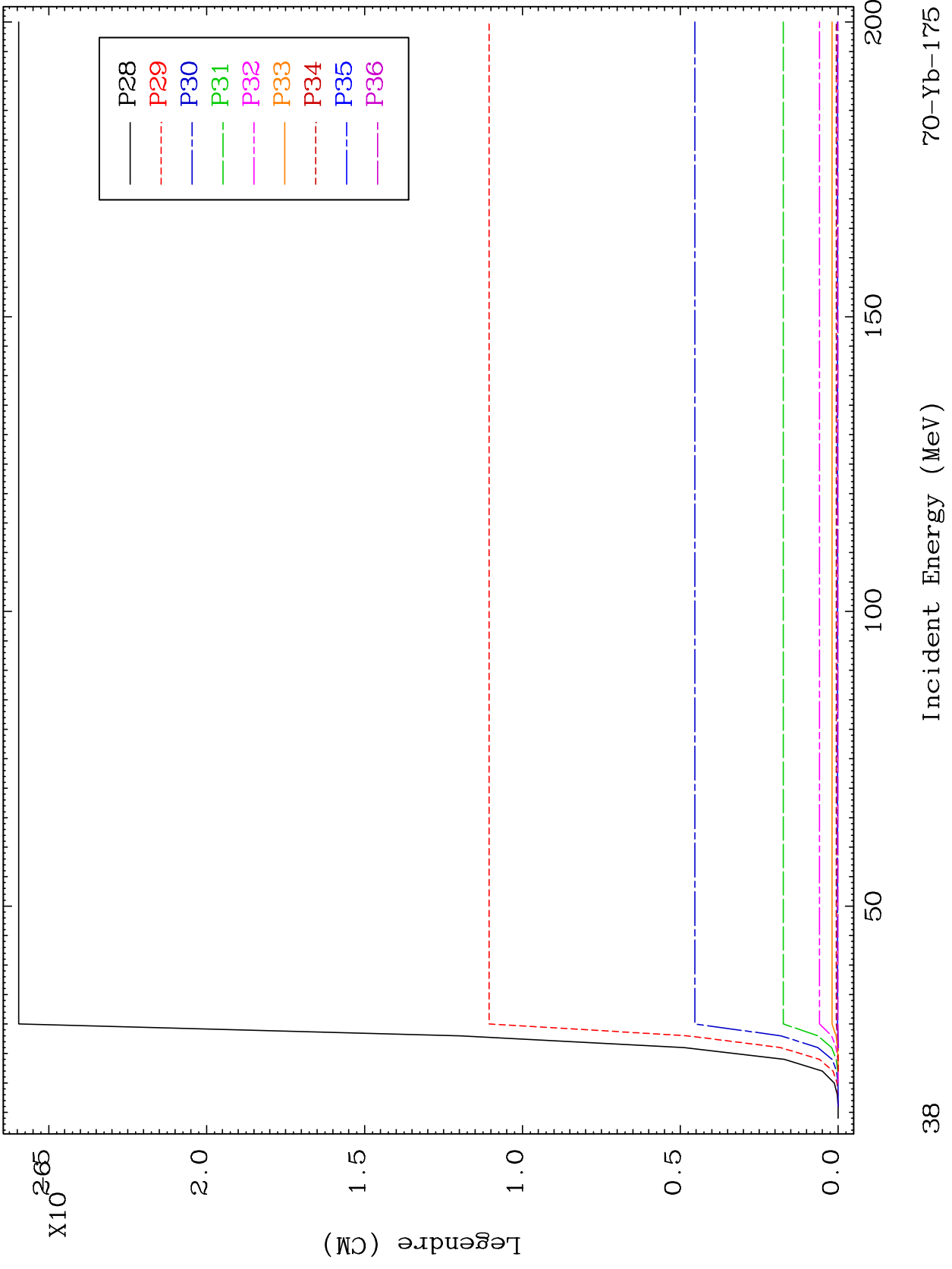
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70-Yb-175

MAT 7046

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

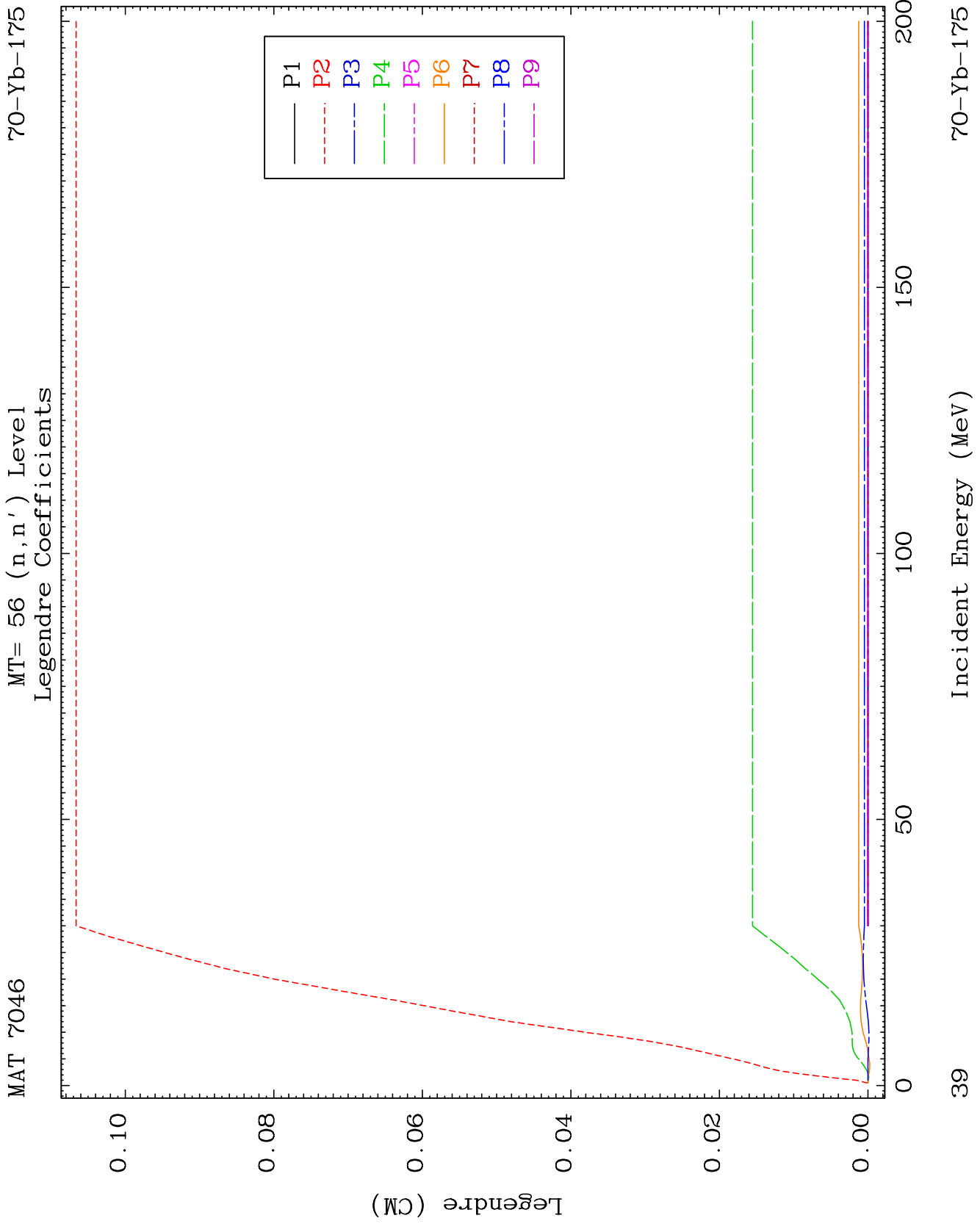
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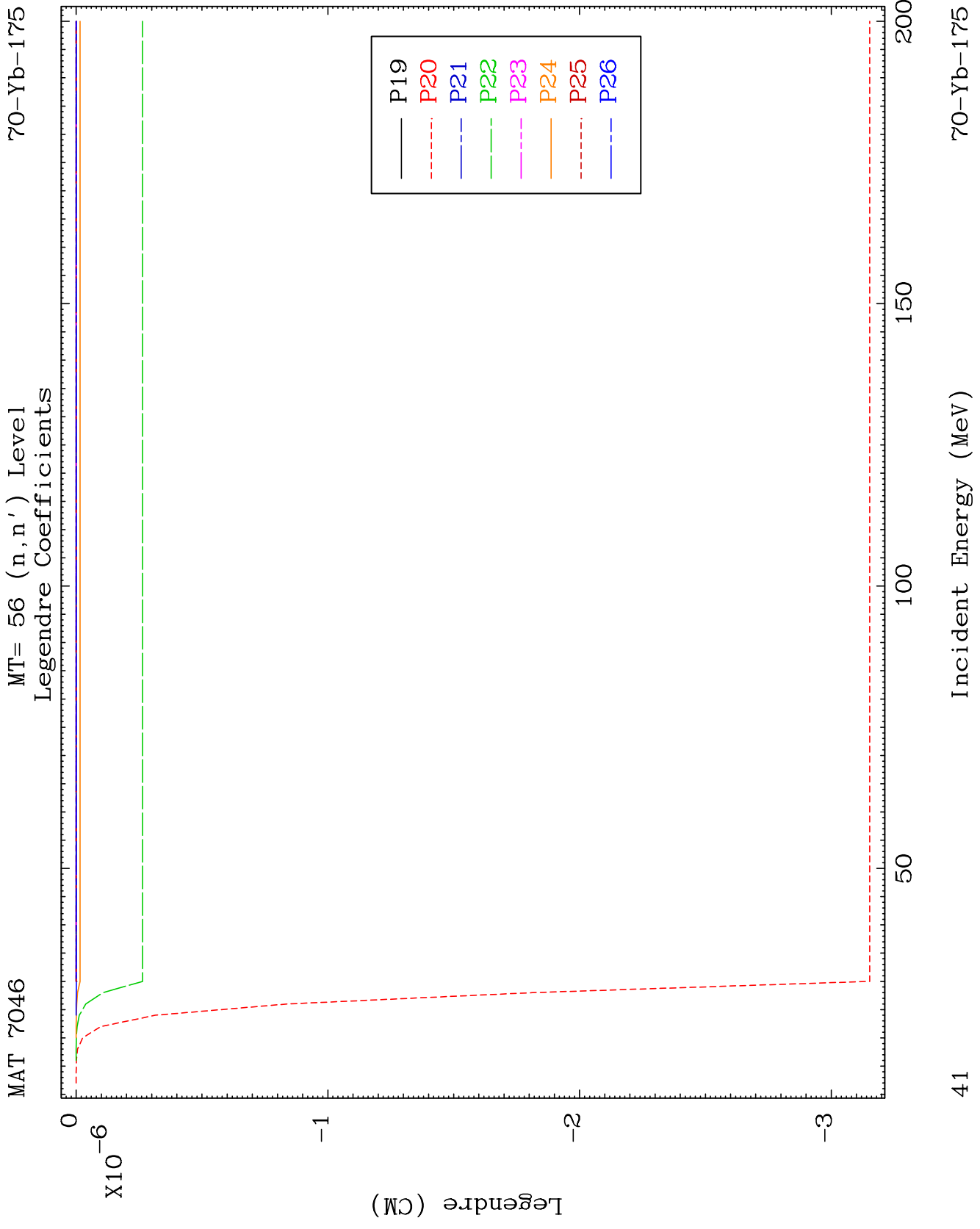
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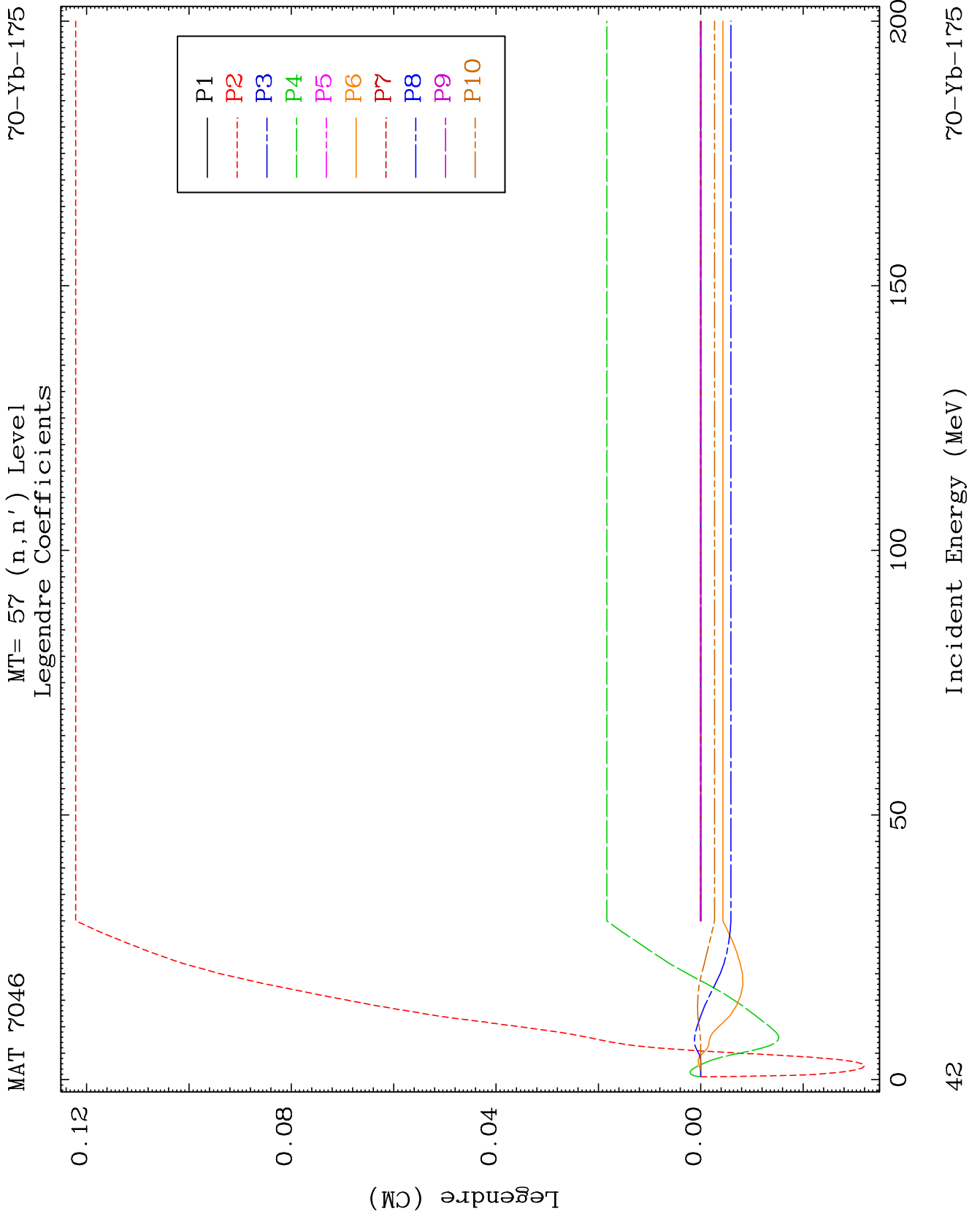
Incident Energy (MeV)

70-Yb-175





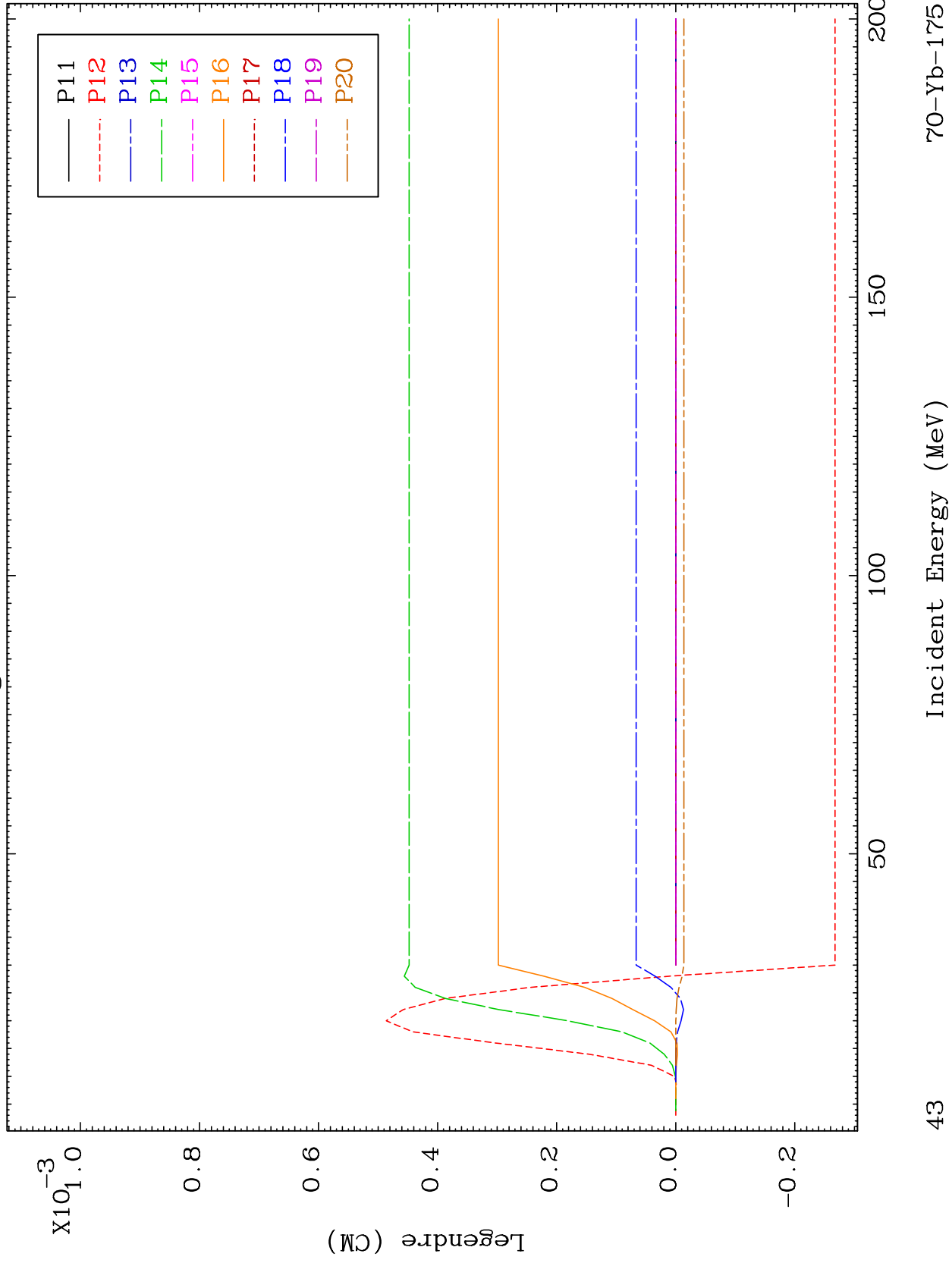




MAT 7046

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

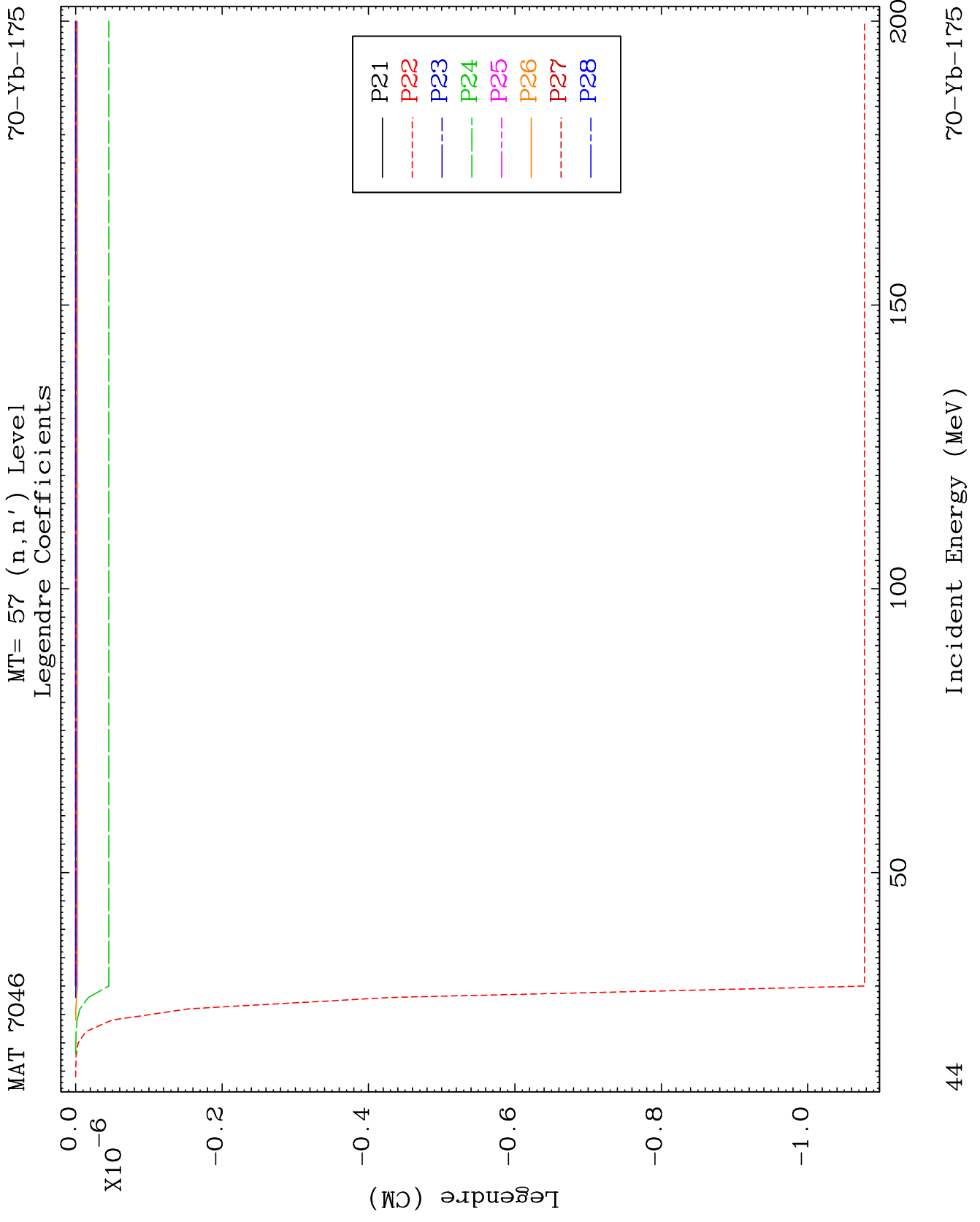
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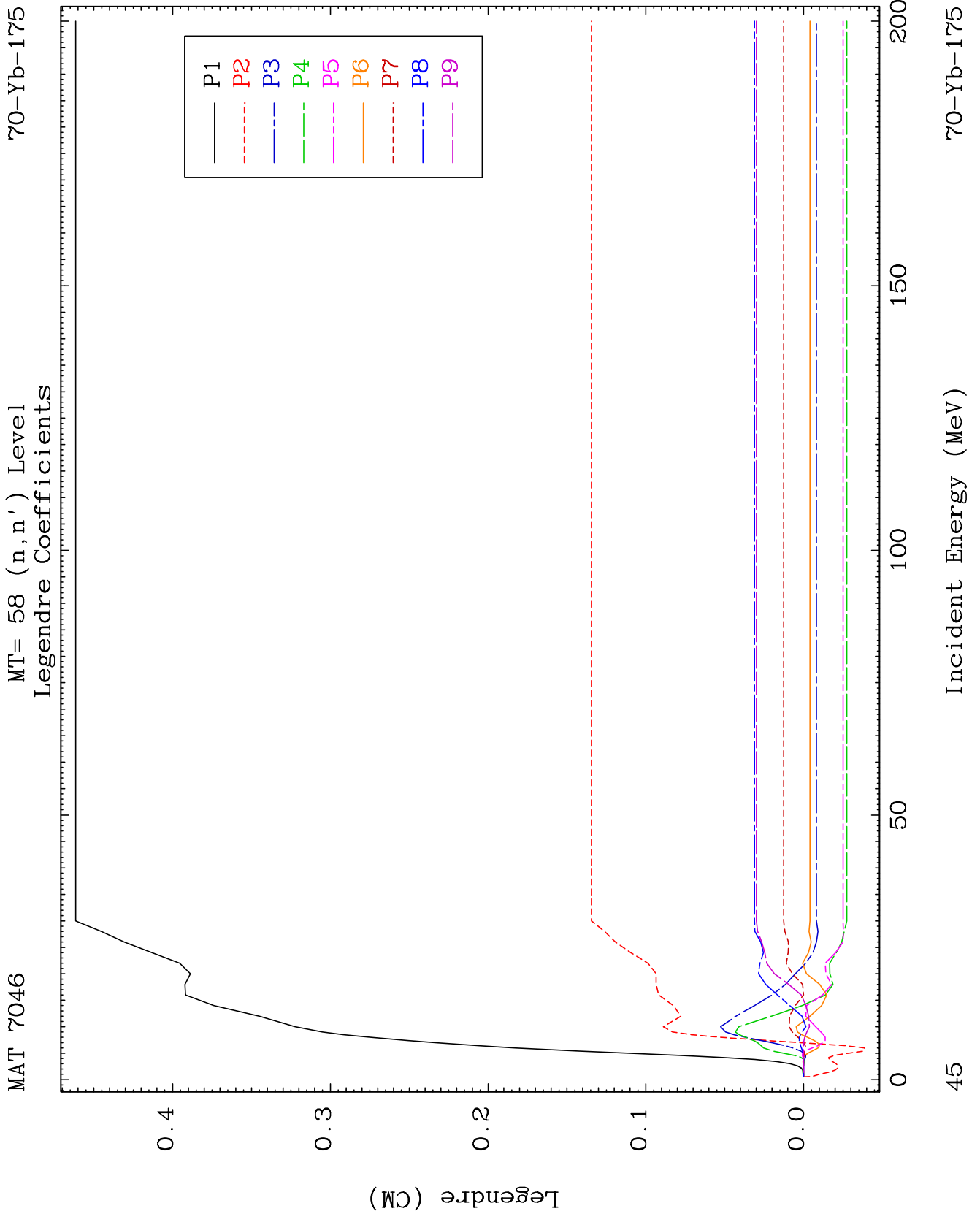


43

Incident Energy (MeV)

70-Yb-175

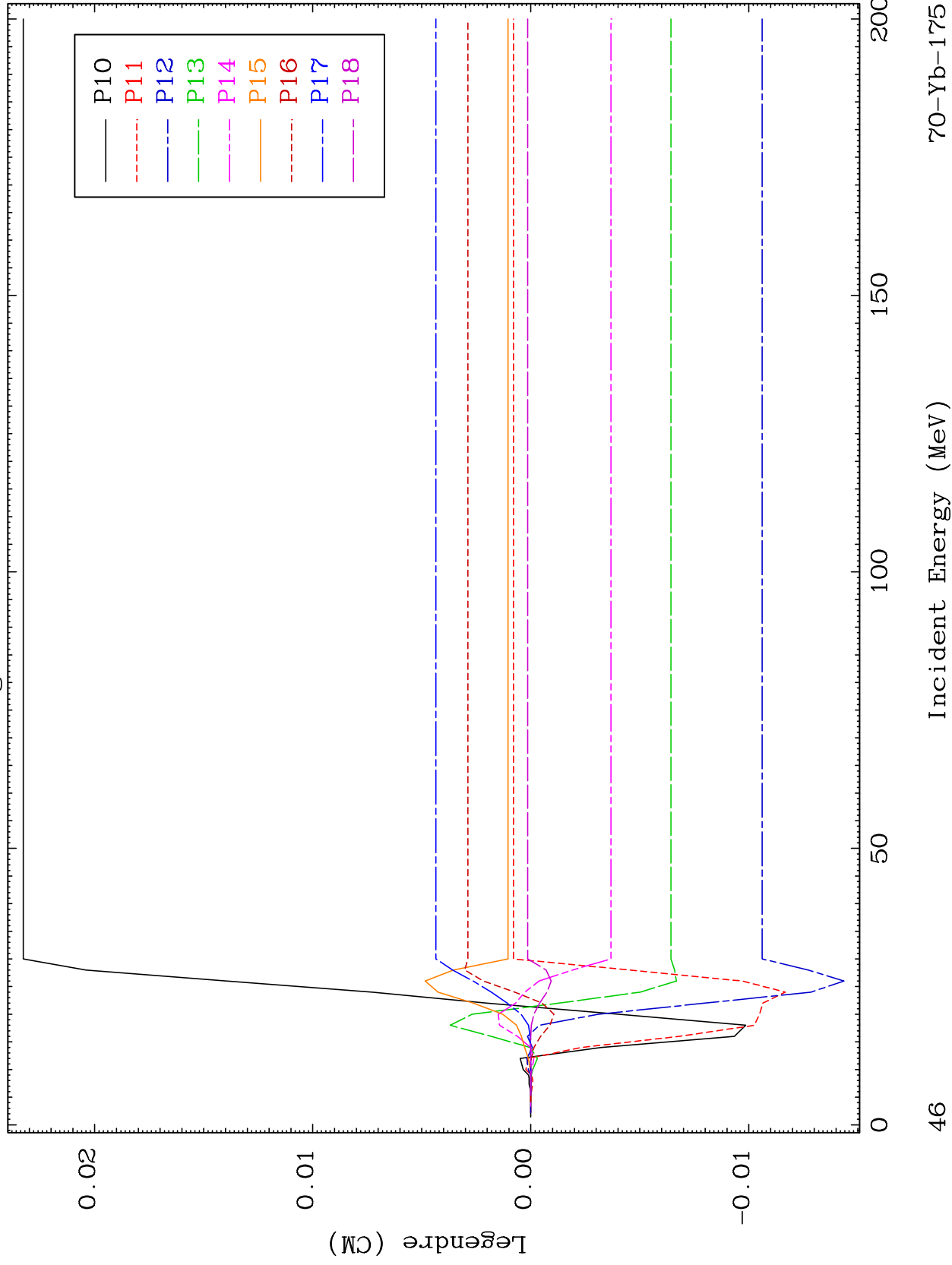




MAT 7046

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

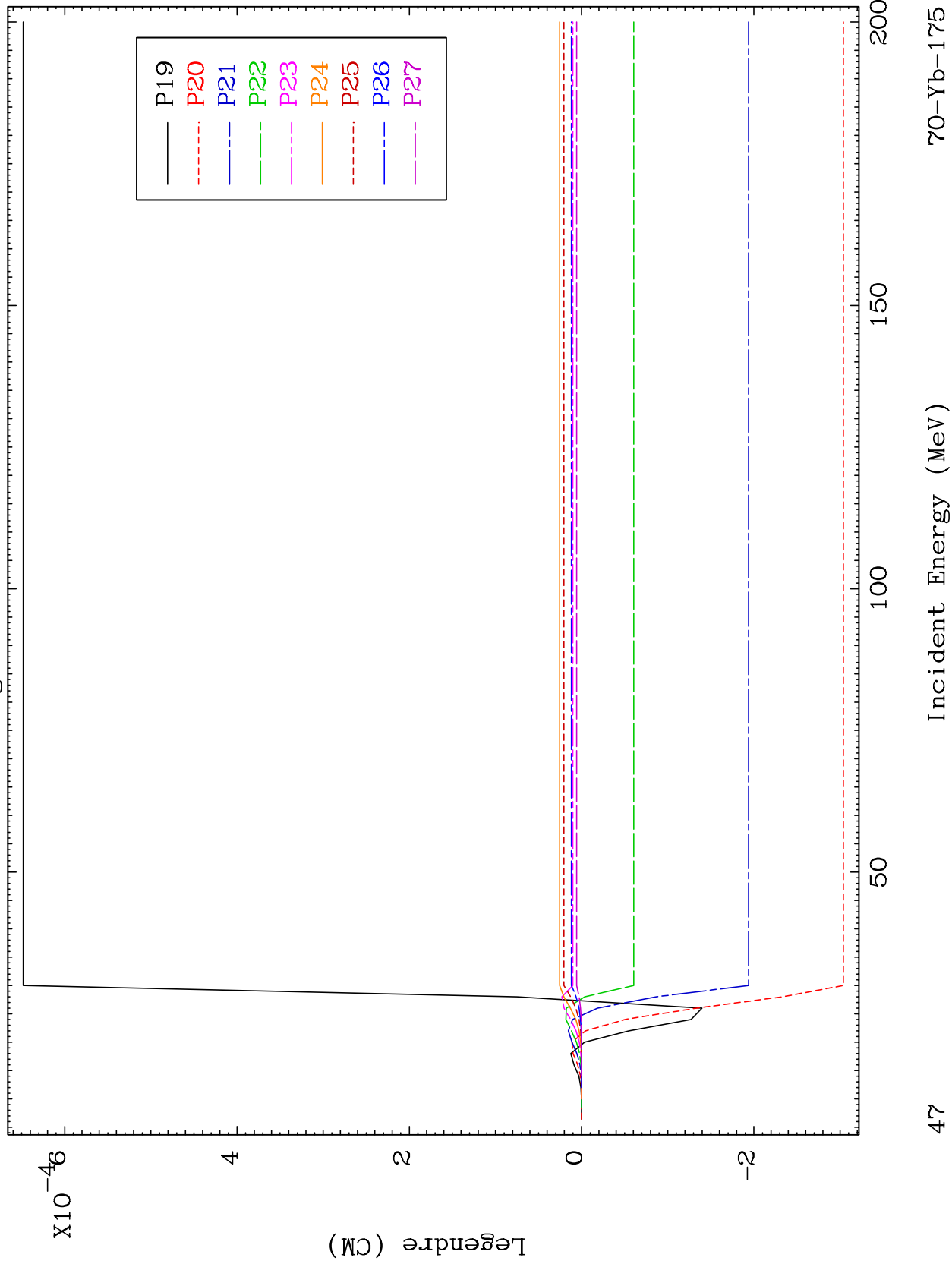
70-Yb-175



MAT 7046

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

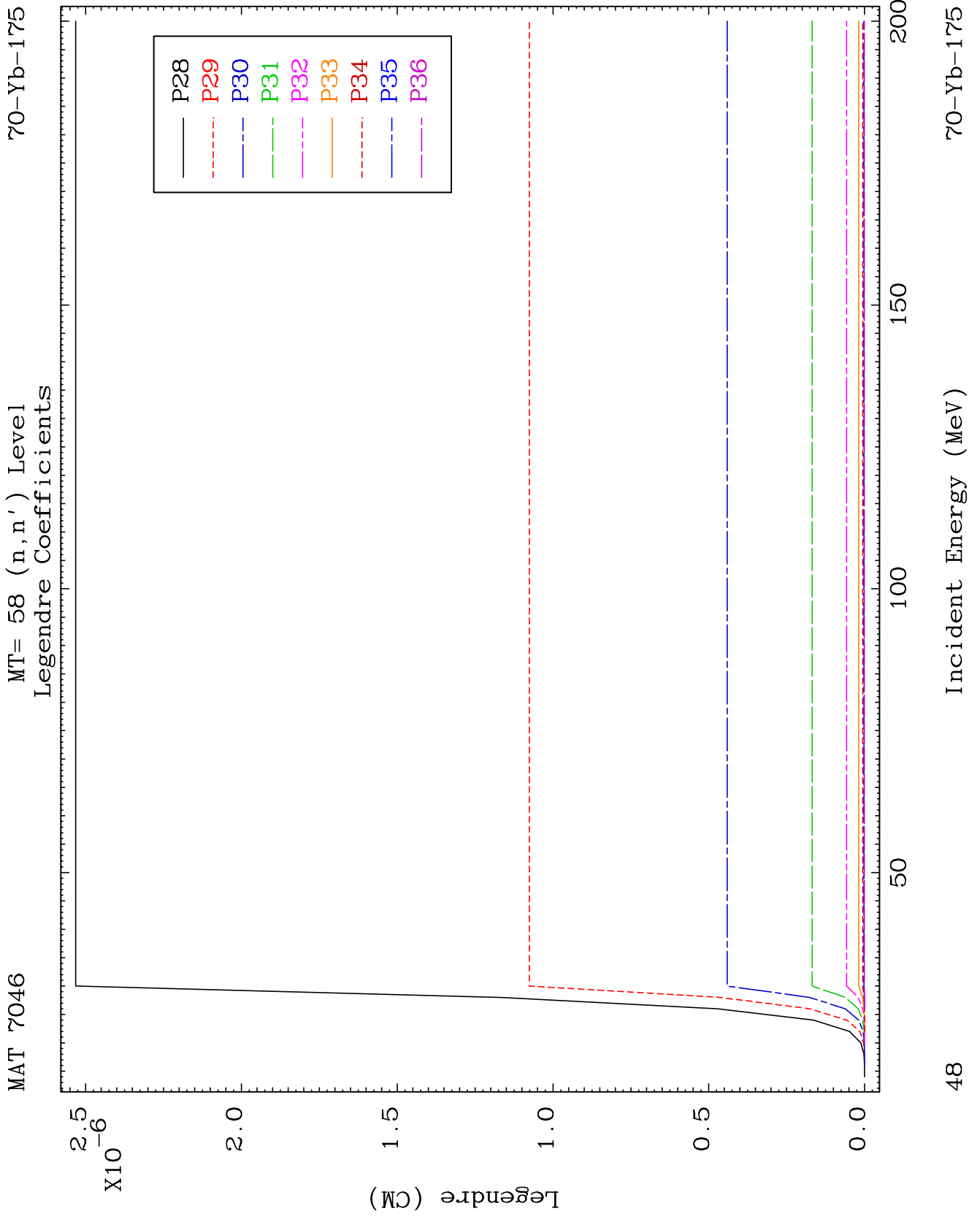
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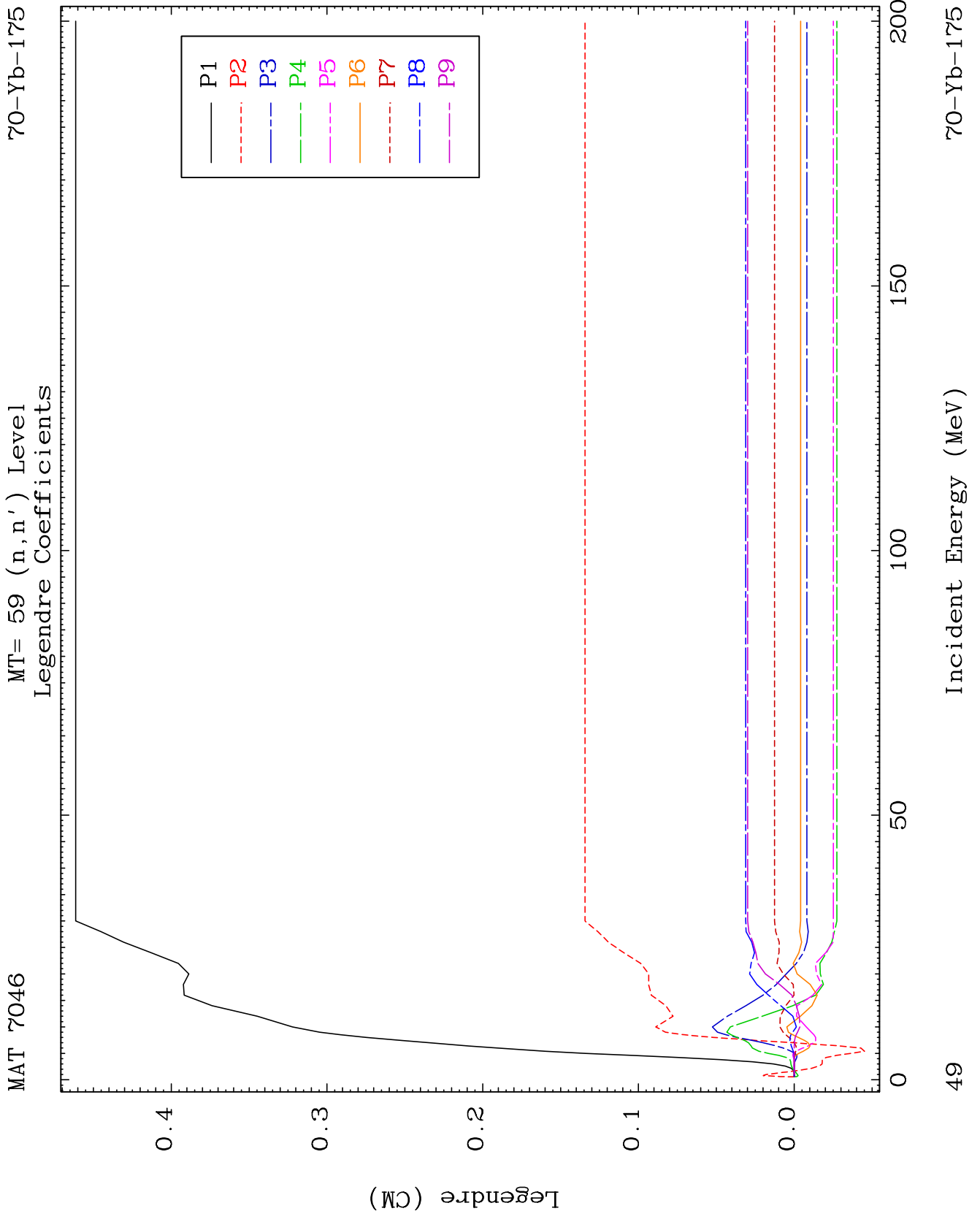


47

Incident Energy (MeV)

70-Yb-175



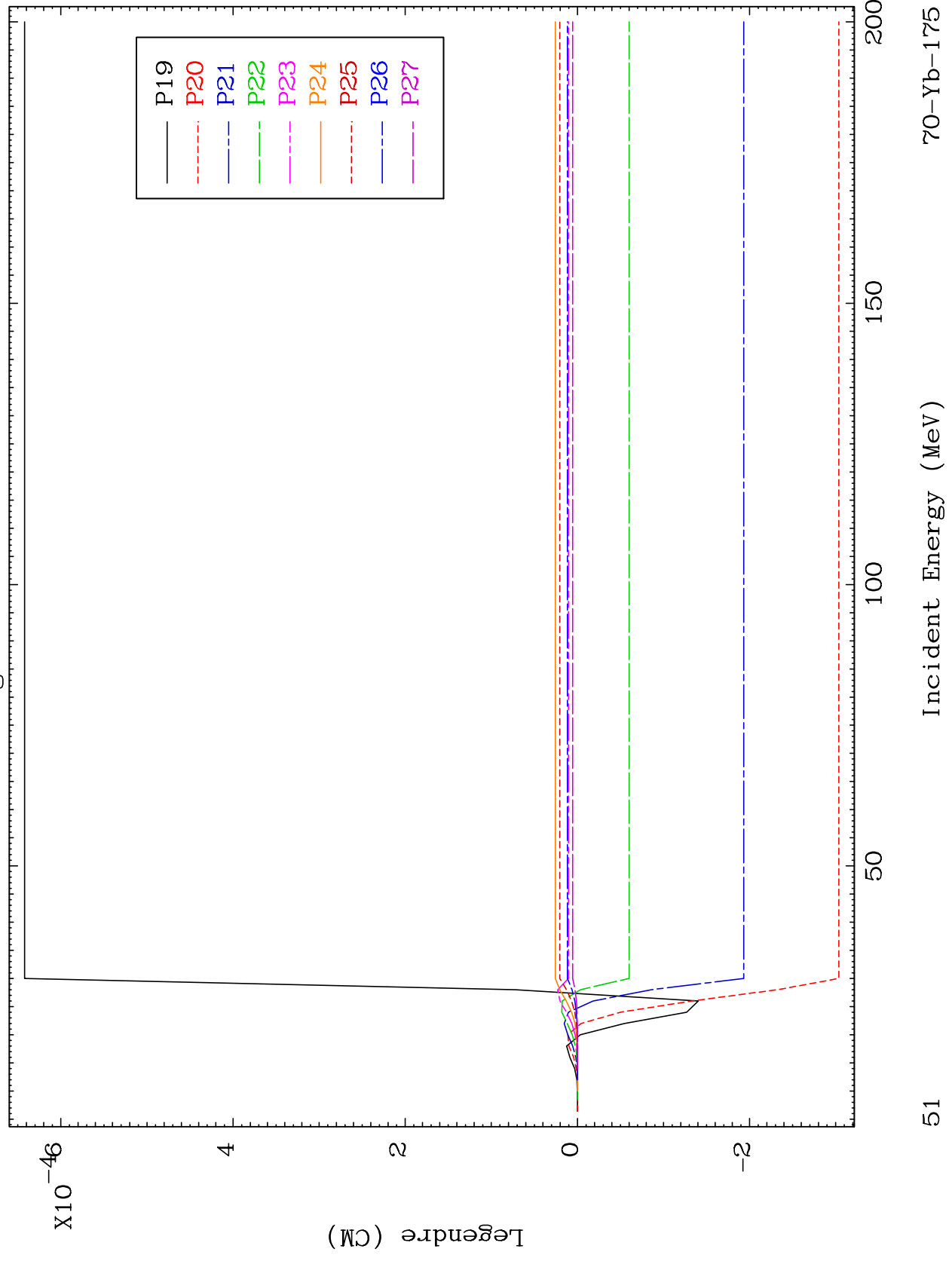




MAT 7046

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

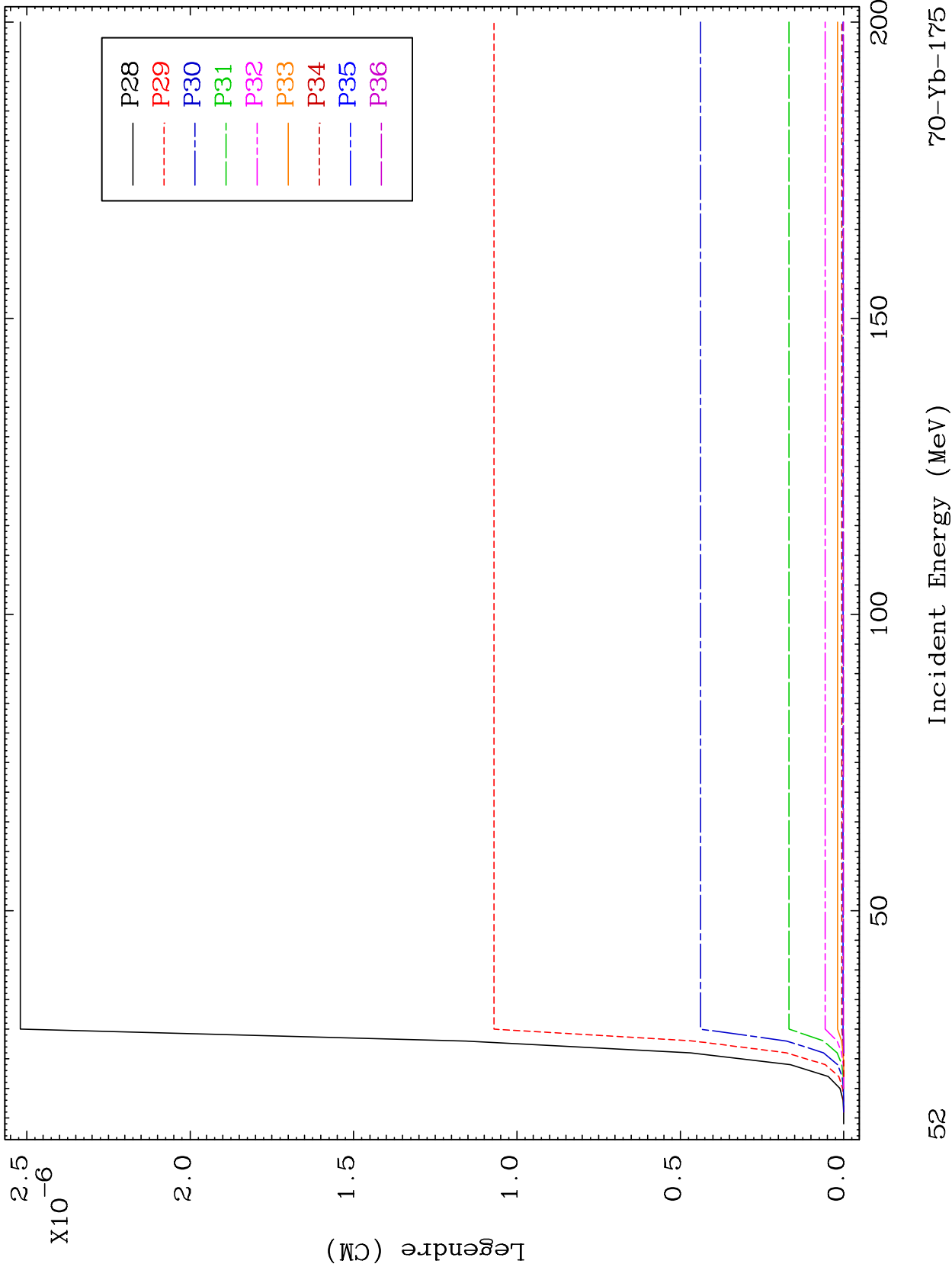
70-Yb-175



MAT 7046

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

70-Yb-175

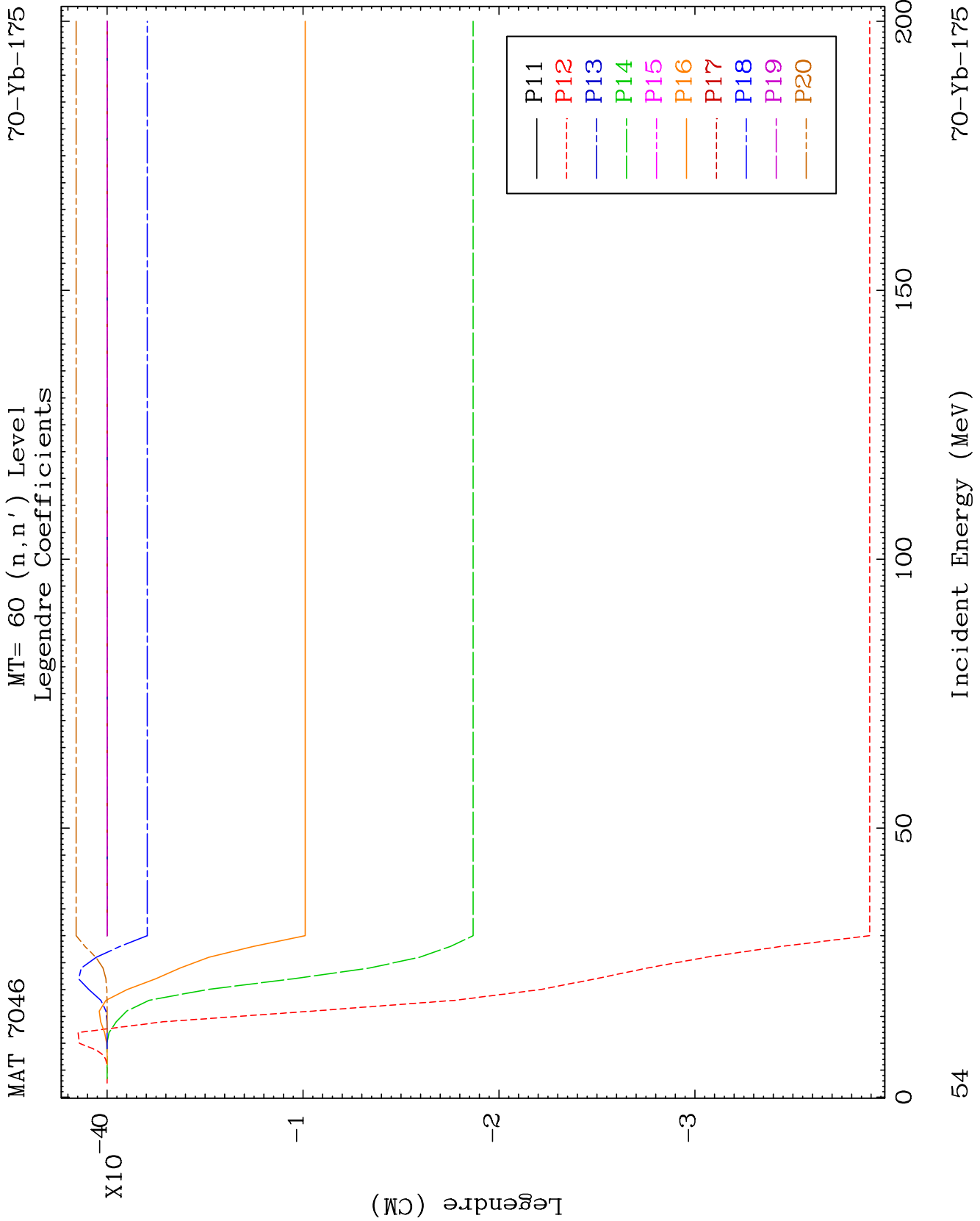


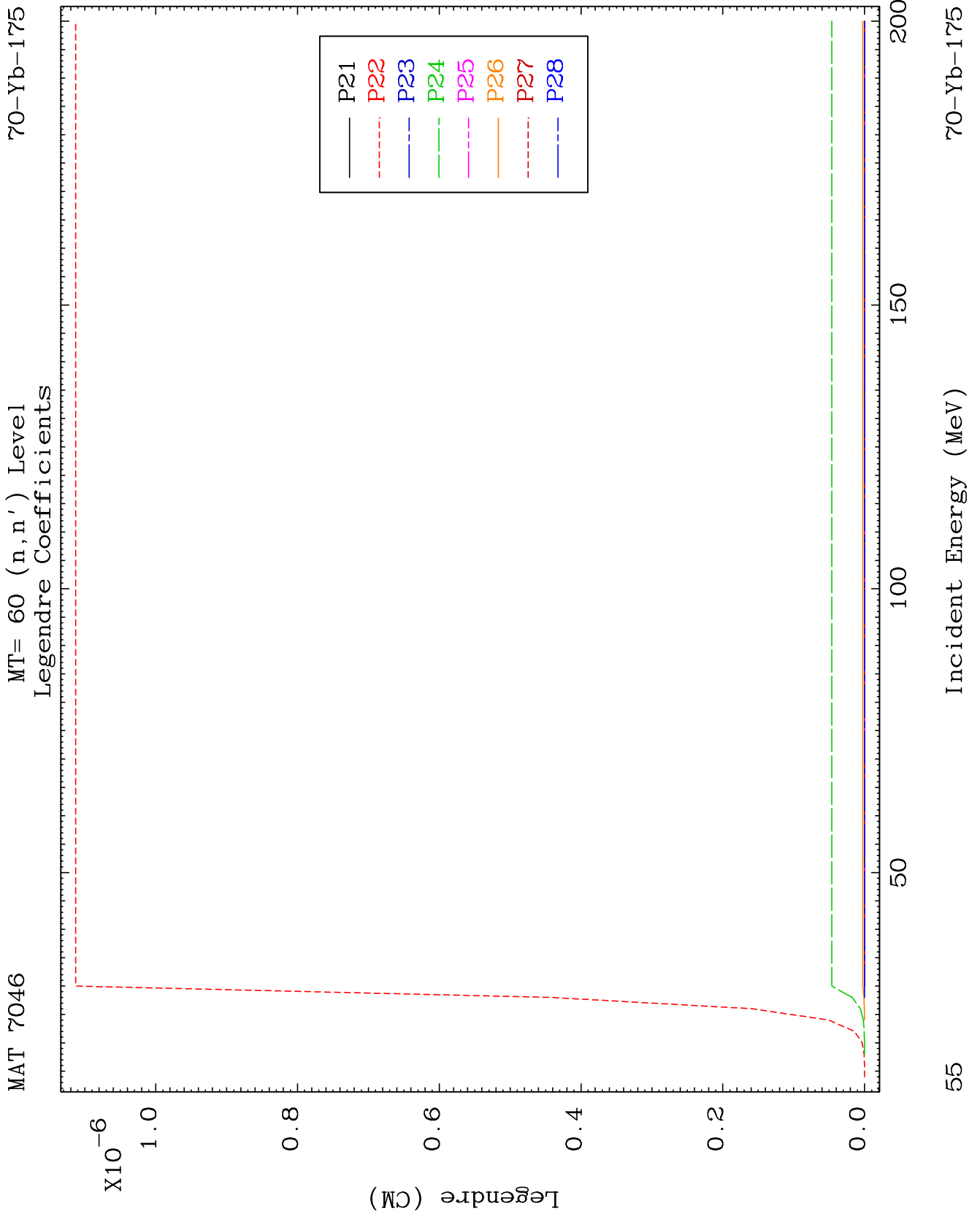
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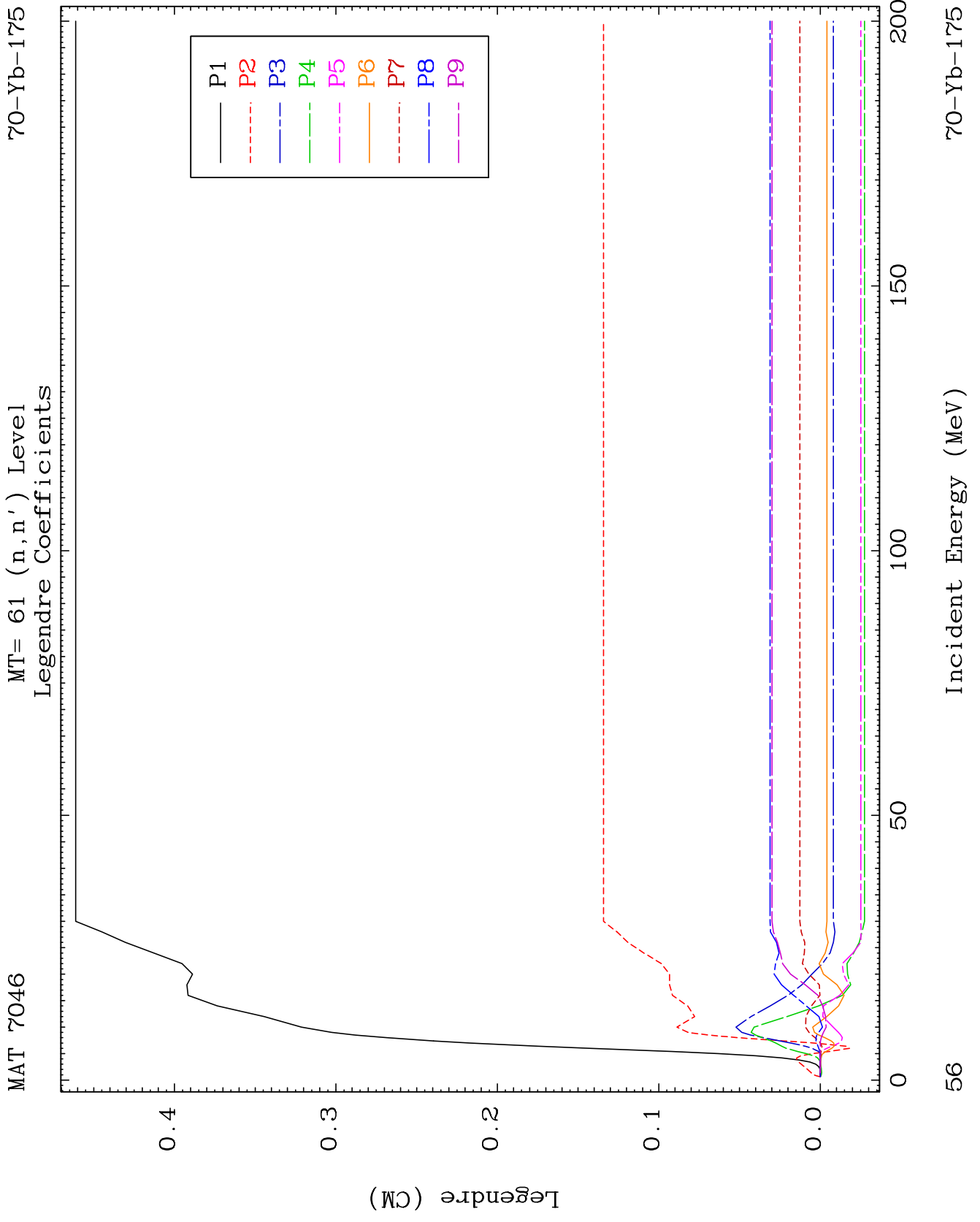
Incident Energy (MeV)

70-Yb-175





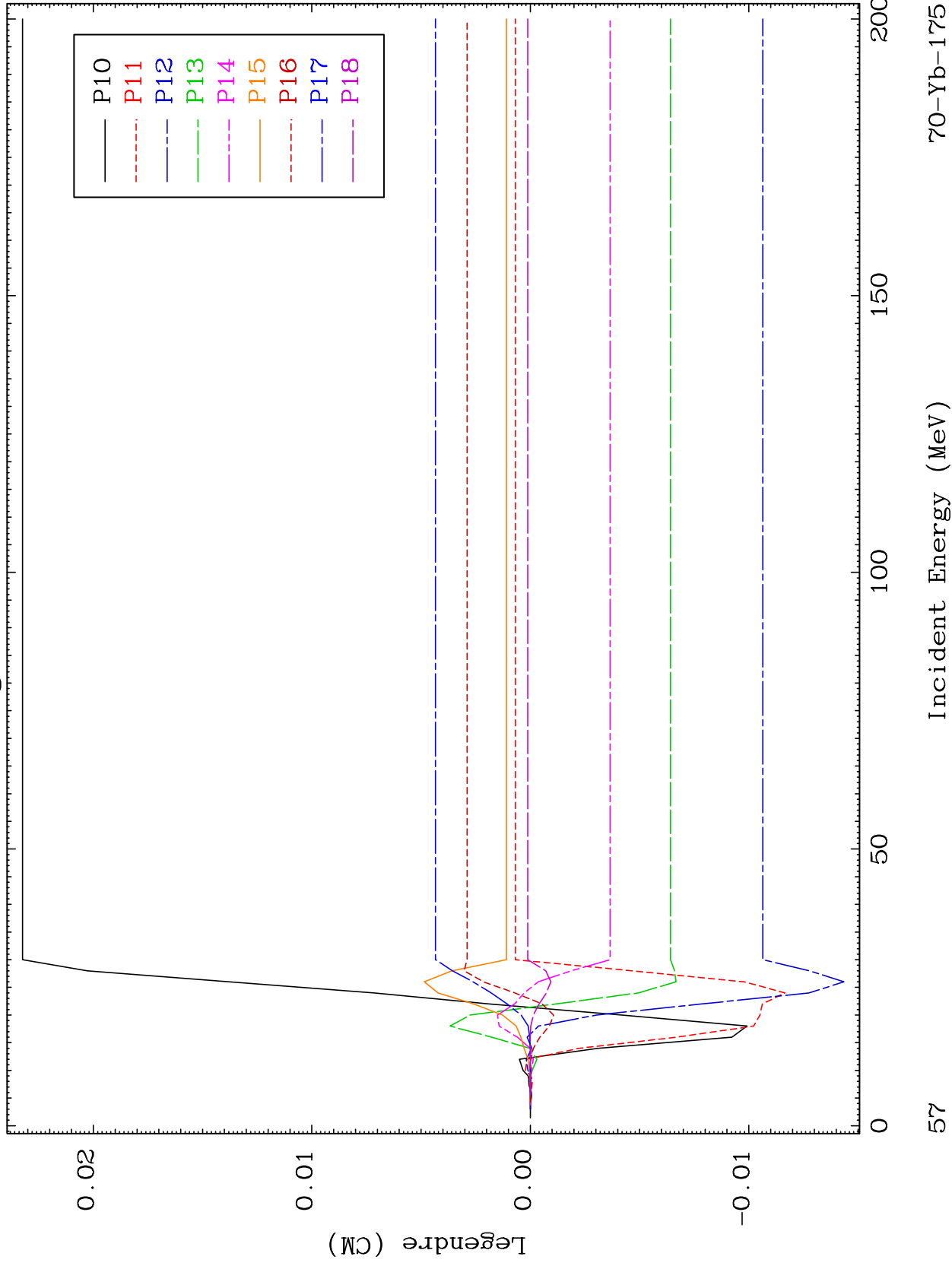




MAT 7046

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

70-Yb-175



57

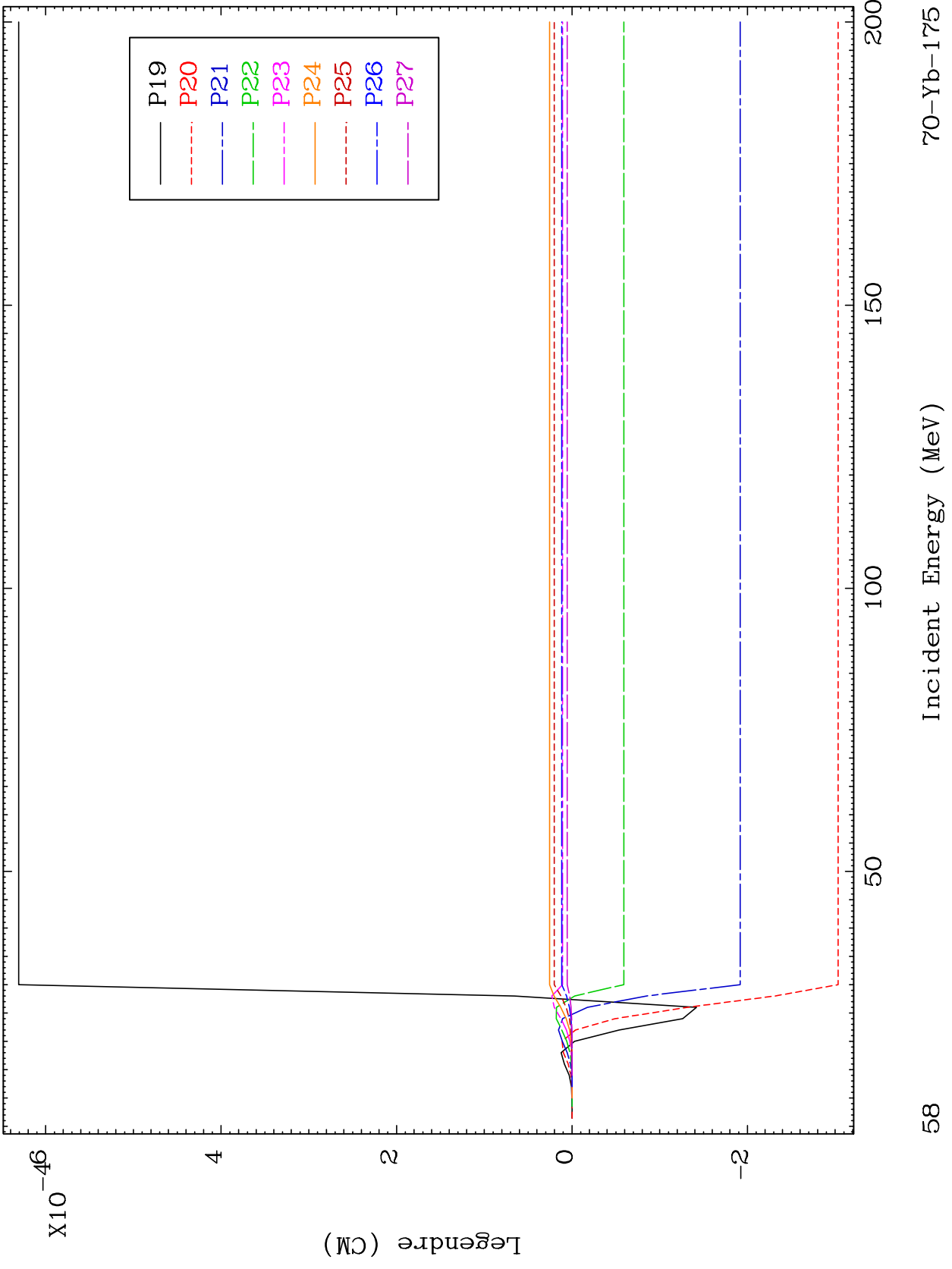
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175

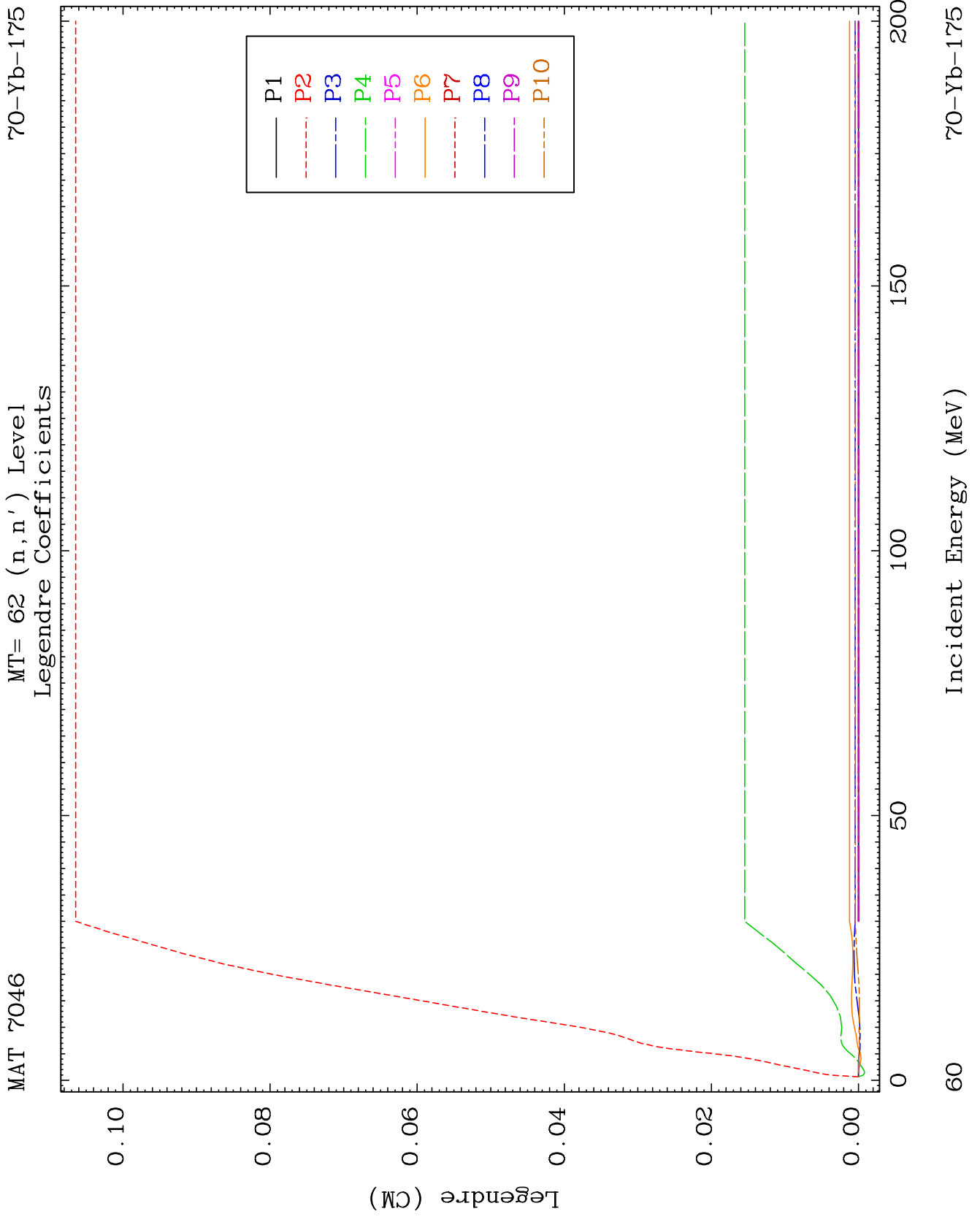


58

Incident Energy (MeV)

70-Yb-175

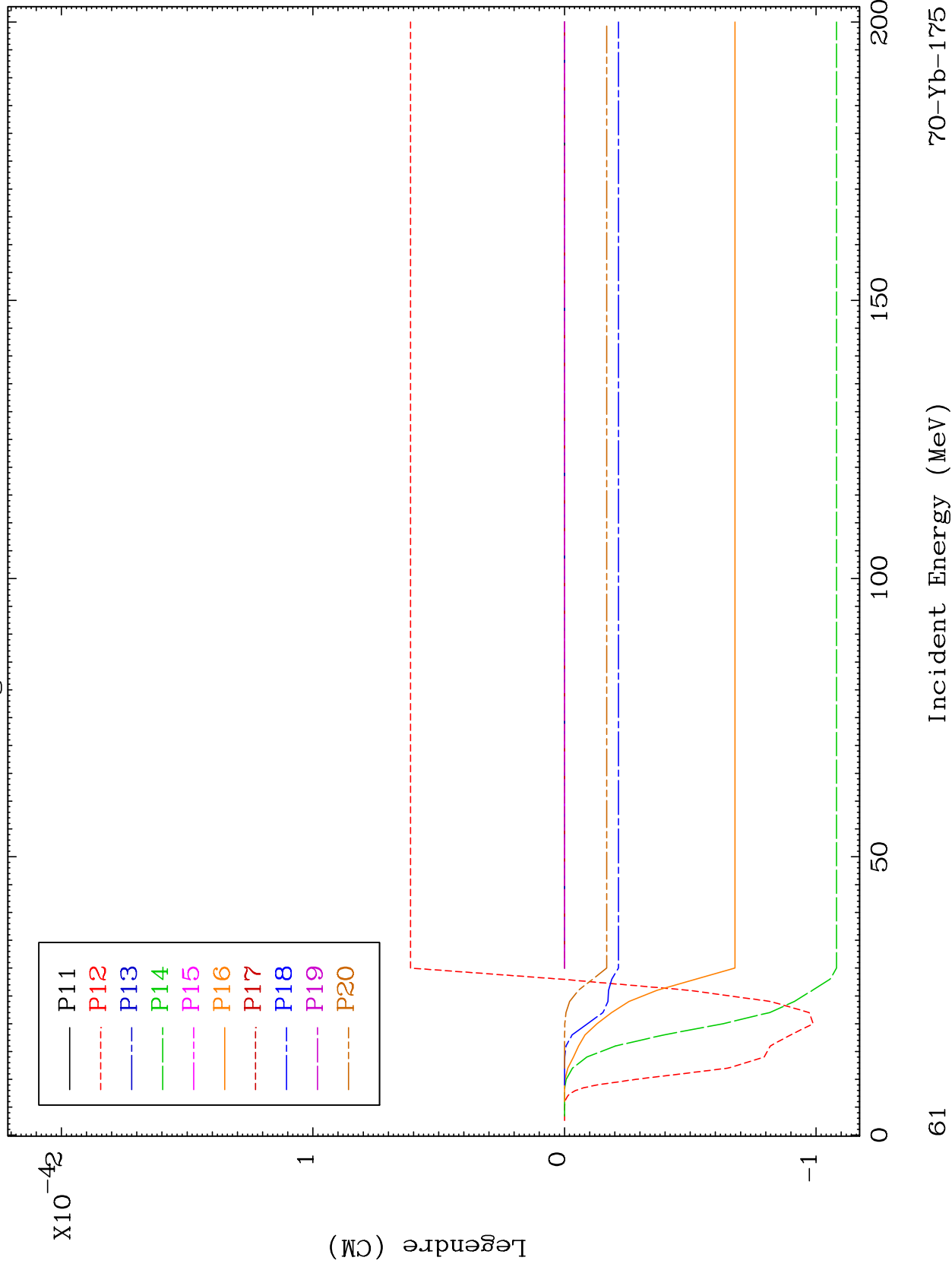




MAT 7046

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

70-Yb-175





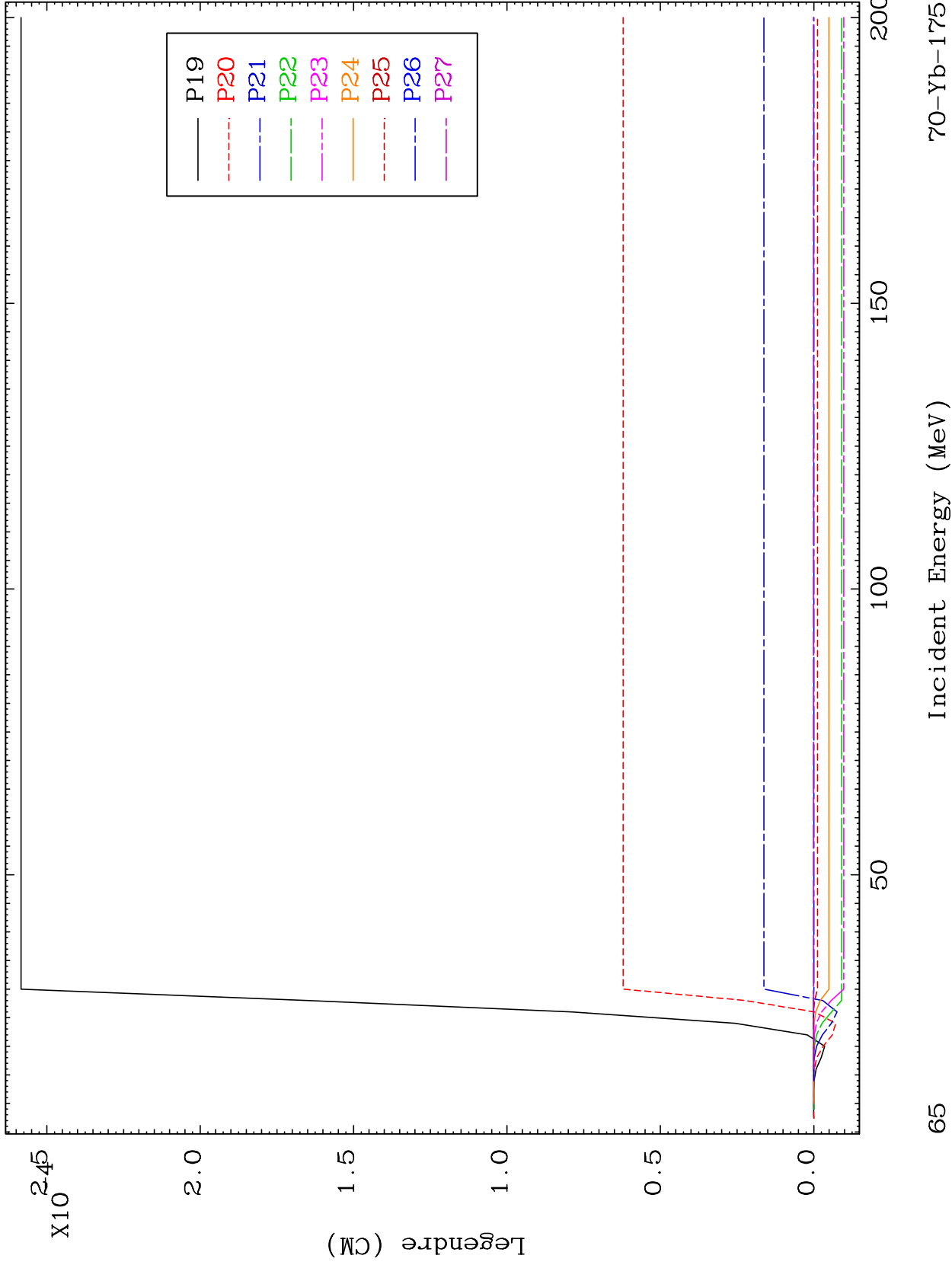




MAT 7046

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

70-Yb-175



65

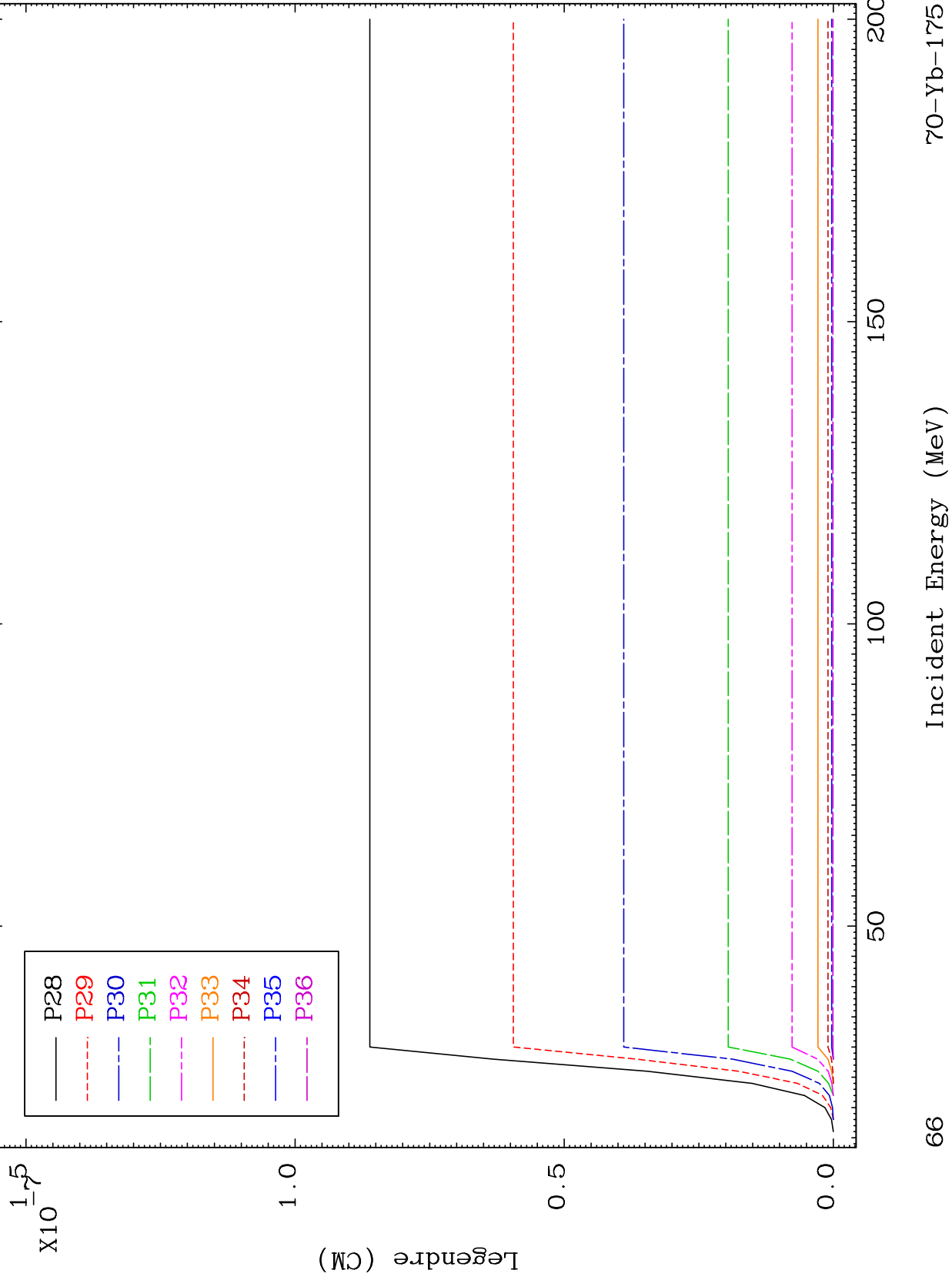
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175

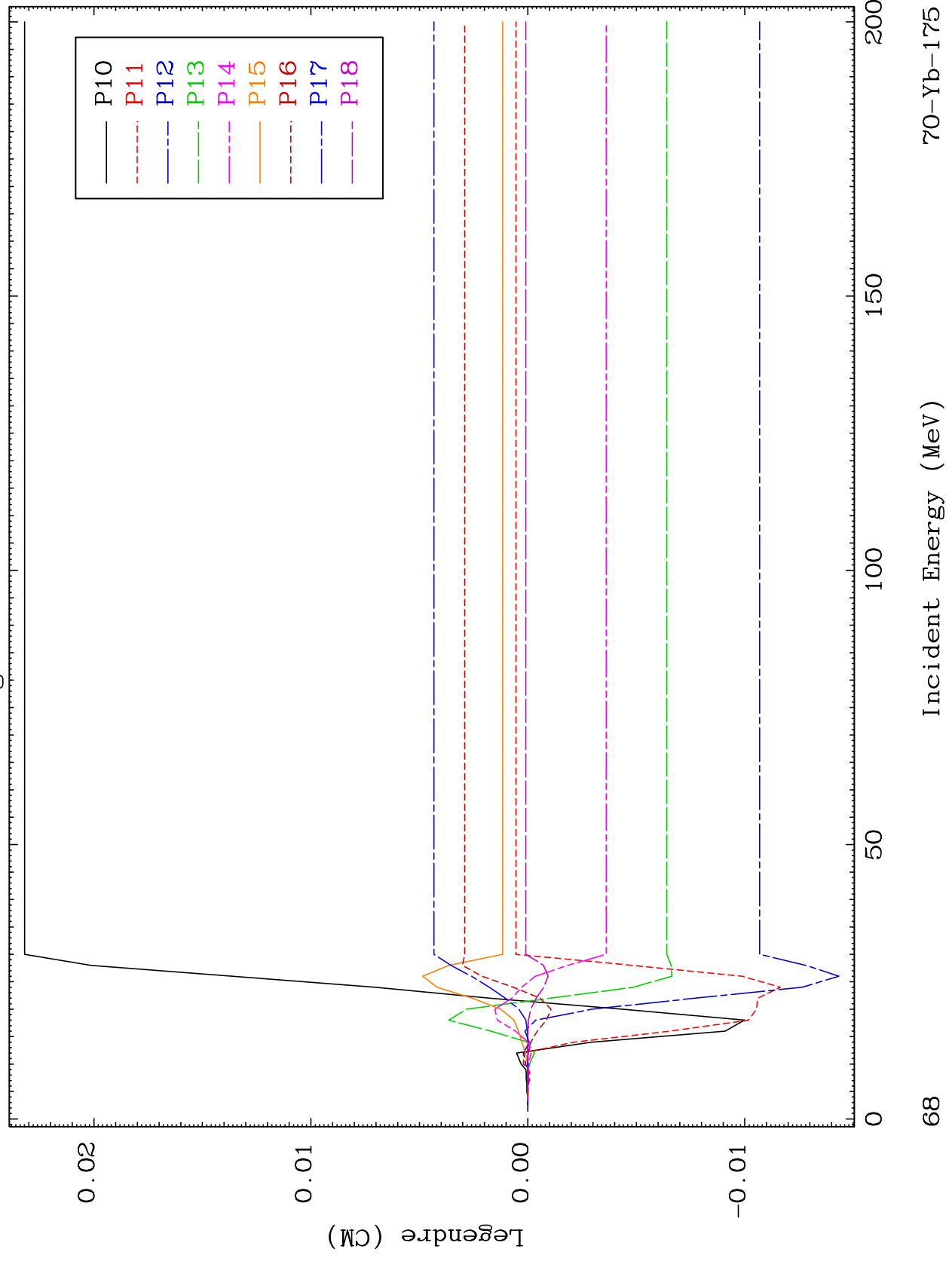




MAT 7046

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

70-Yb-175



70-Yb-175

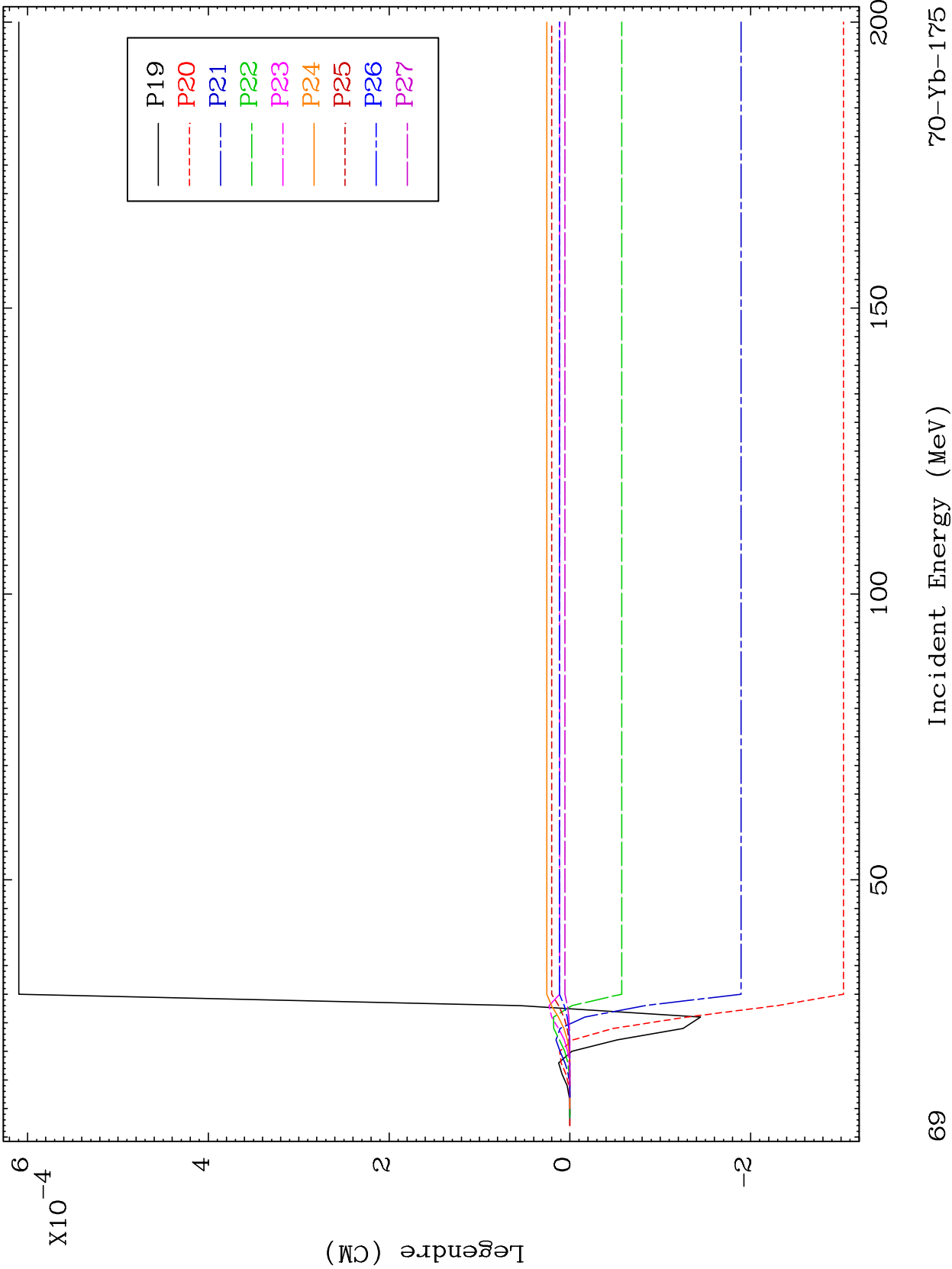
Incident Energy (MeV)

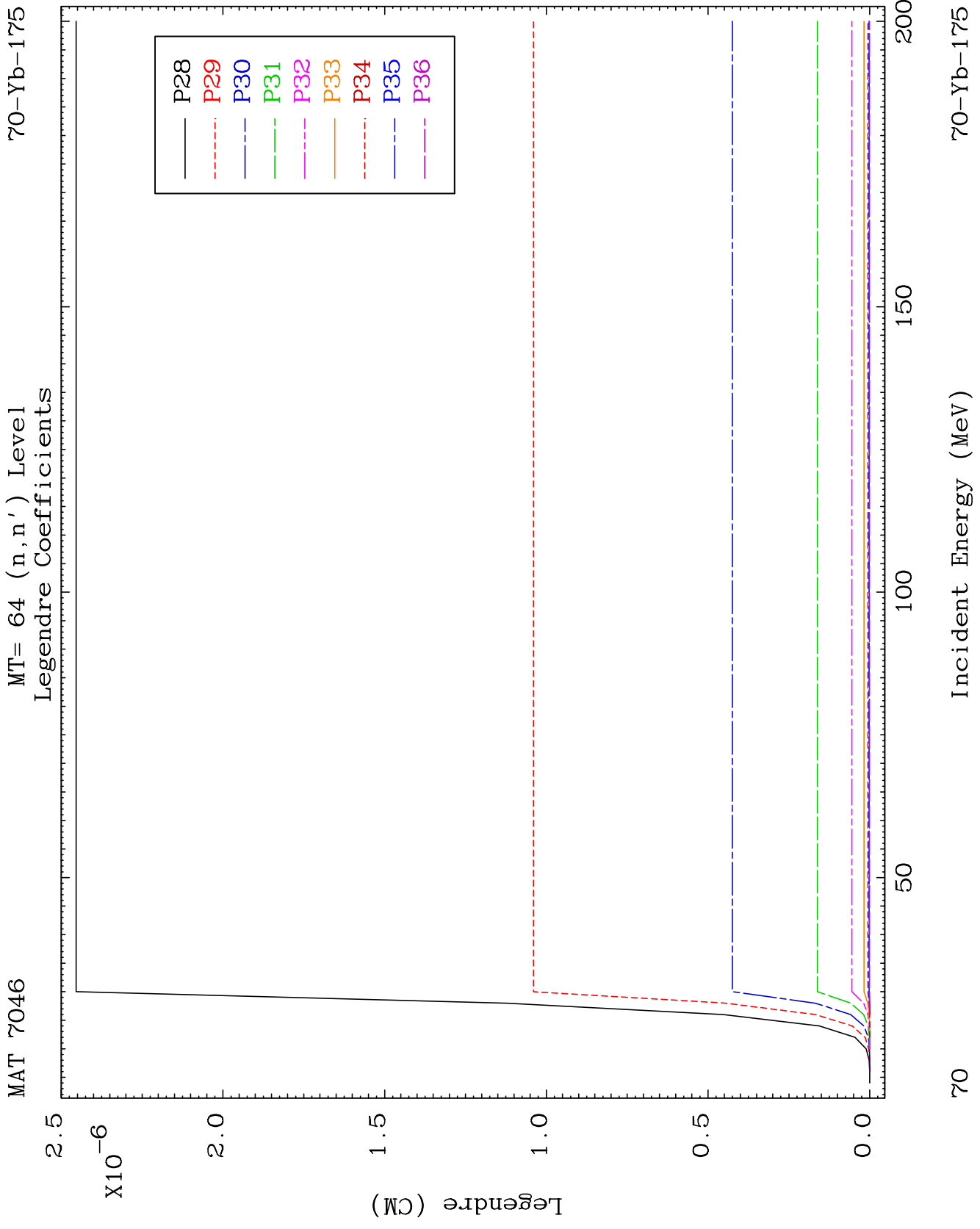
68

MAT 7046

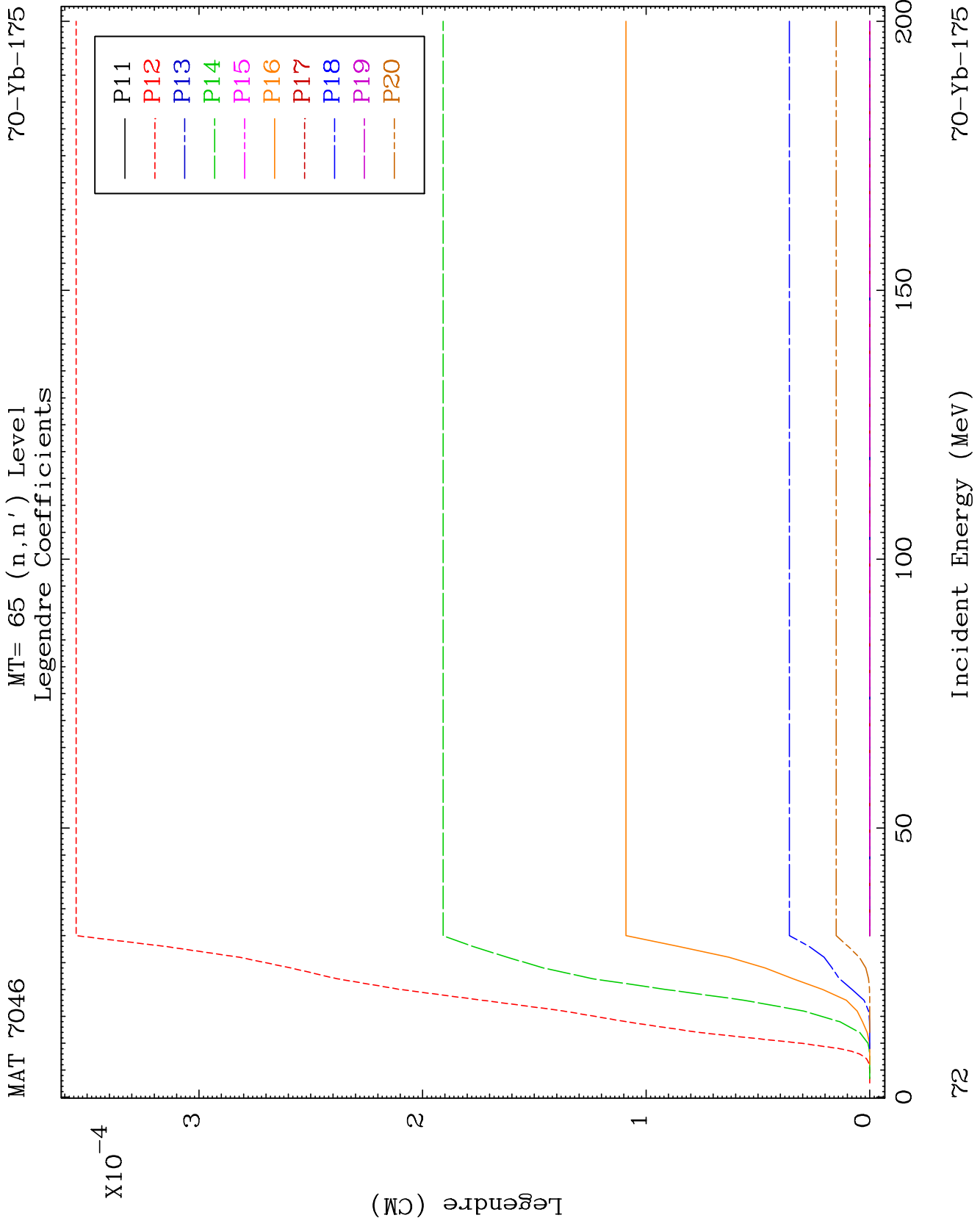
MT= 64 (n,n') Level  
Legendre Coefficients

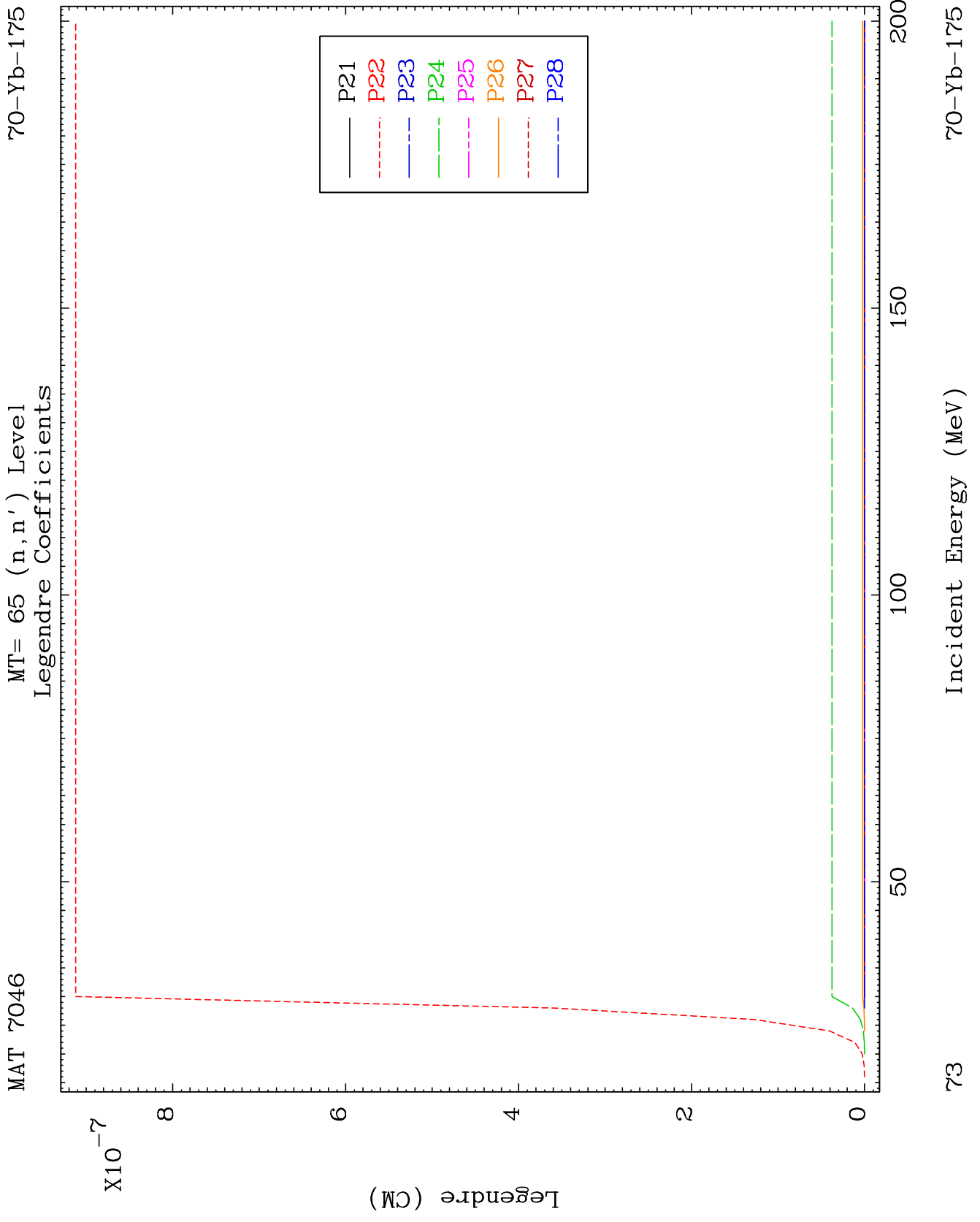
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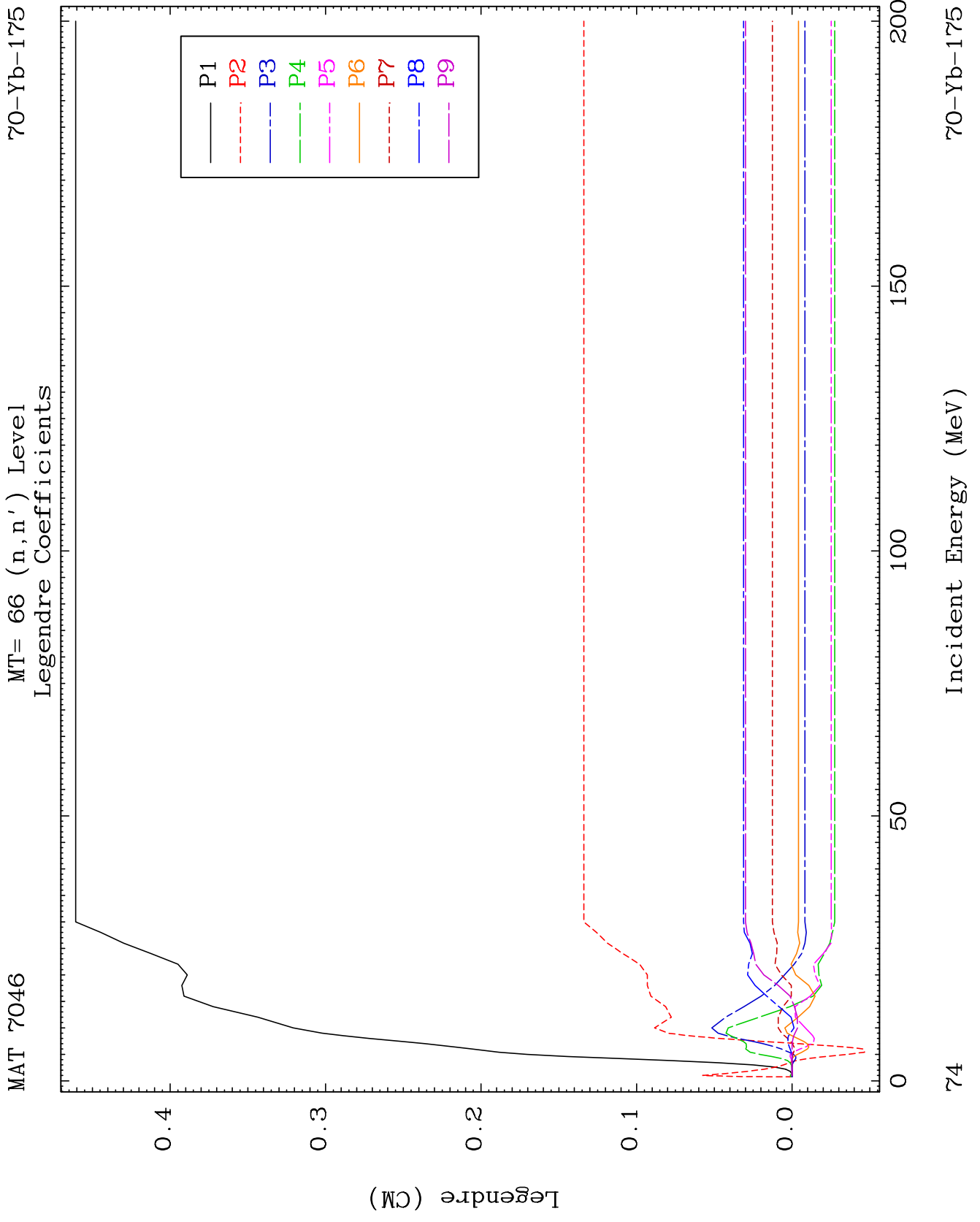










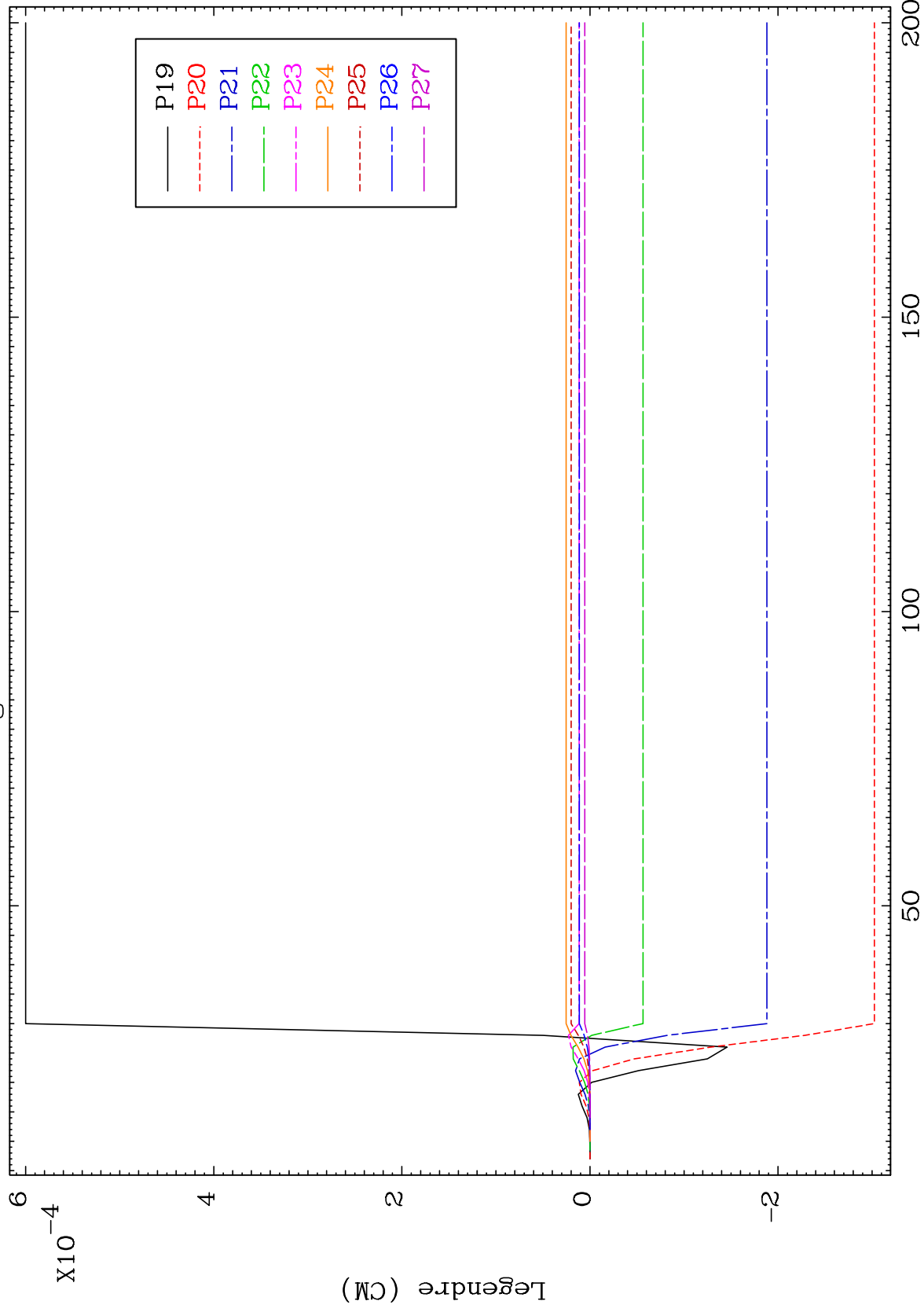




MAT 7046

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

70-Yb-175



76

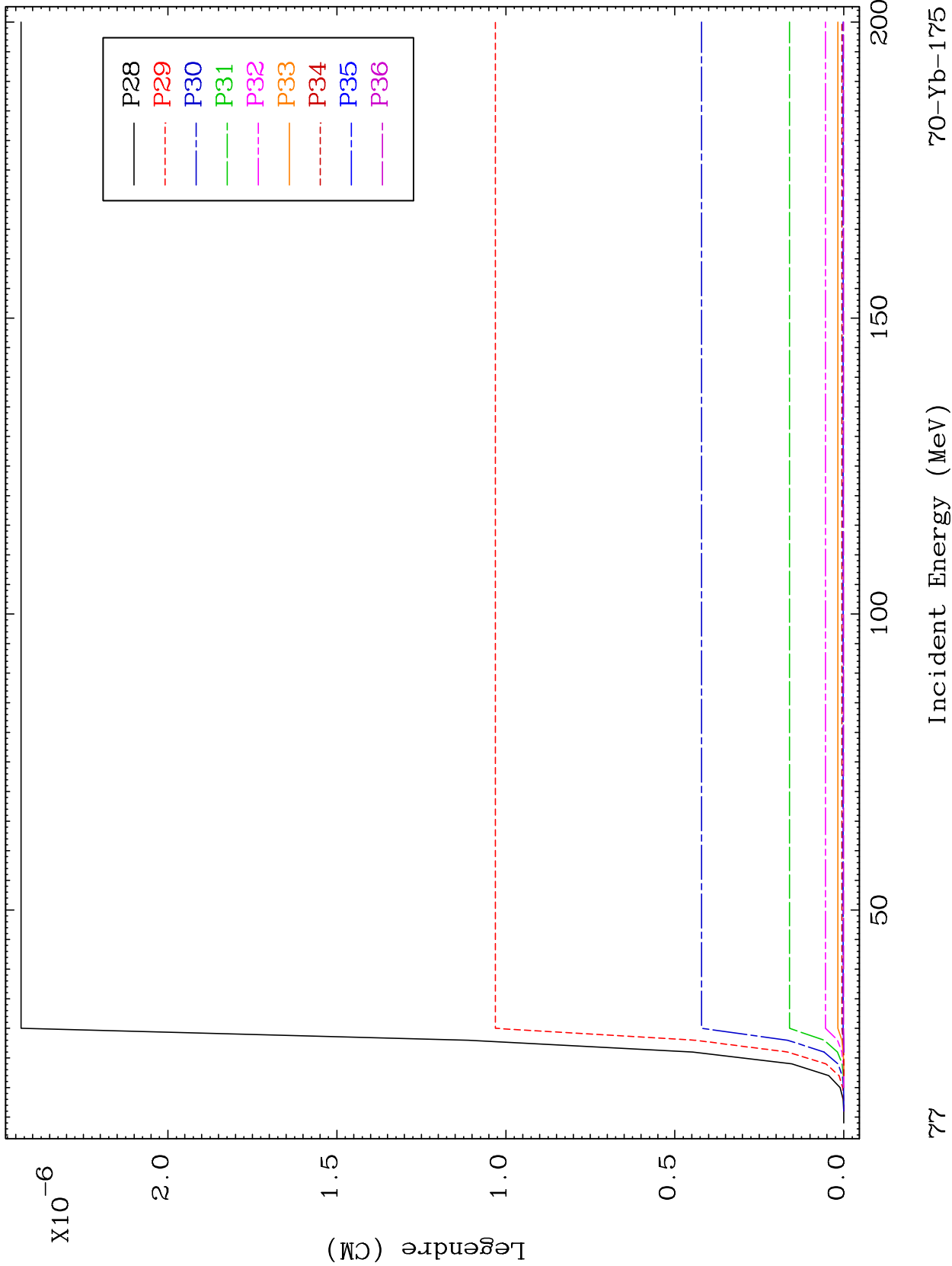
Incident Energy (MeV)

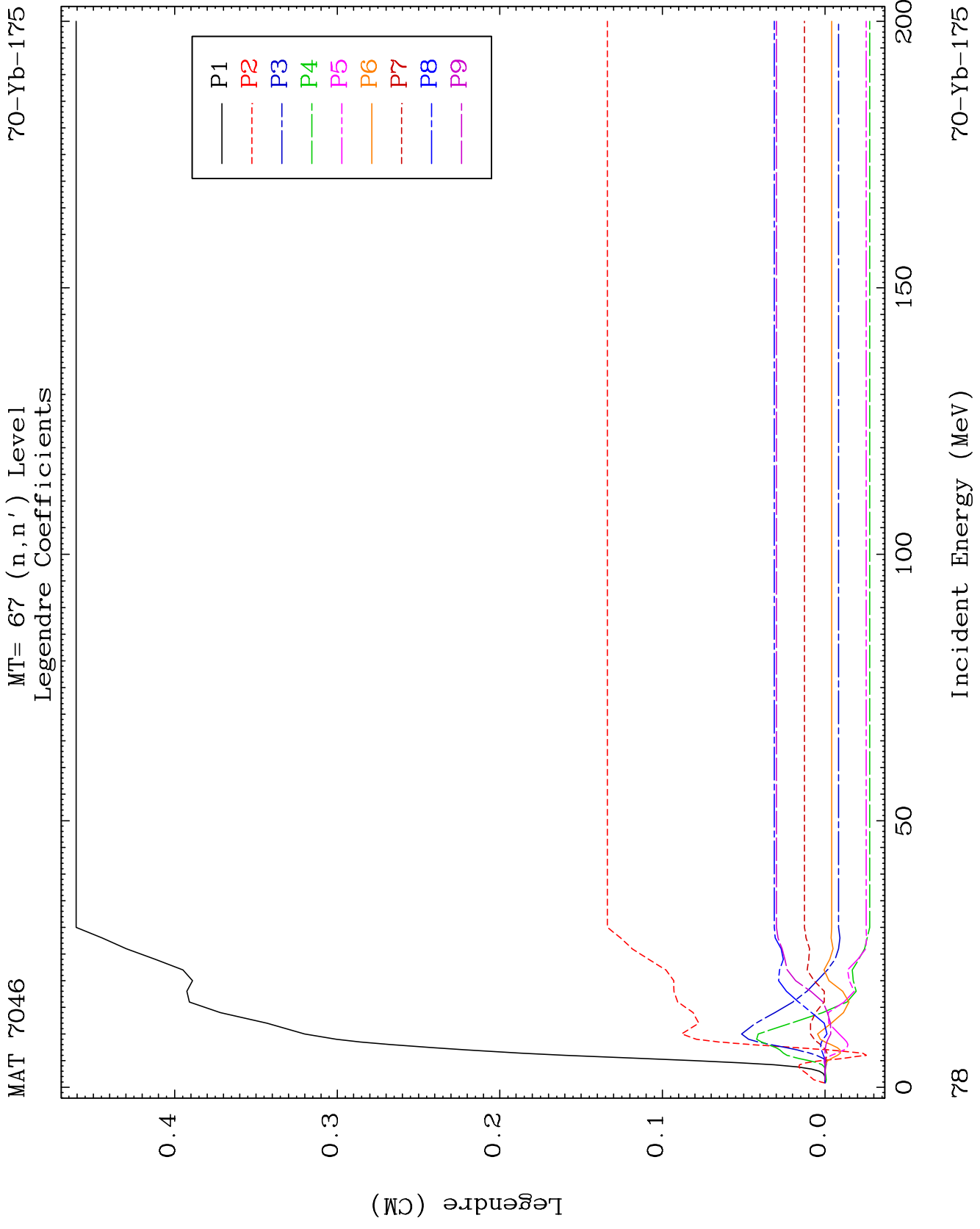
70-Yb-175

MAT 7046

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

70-Yb-175

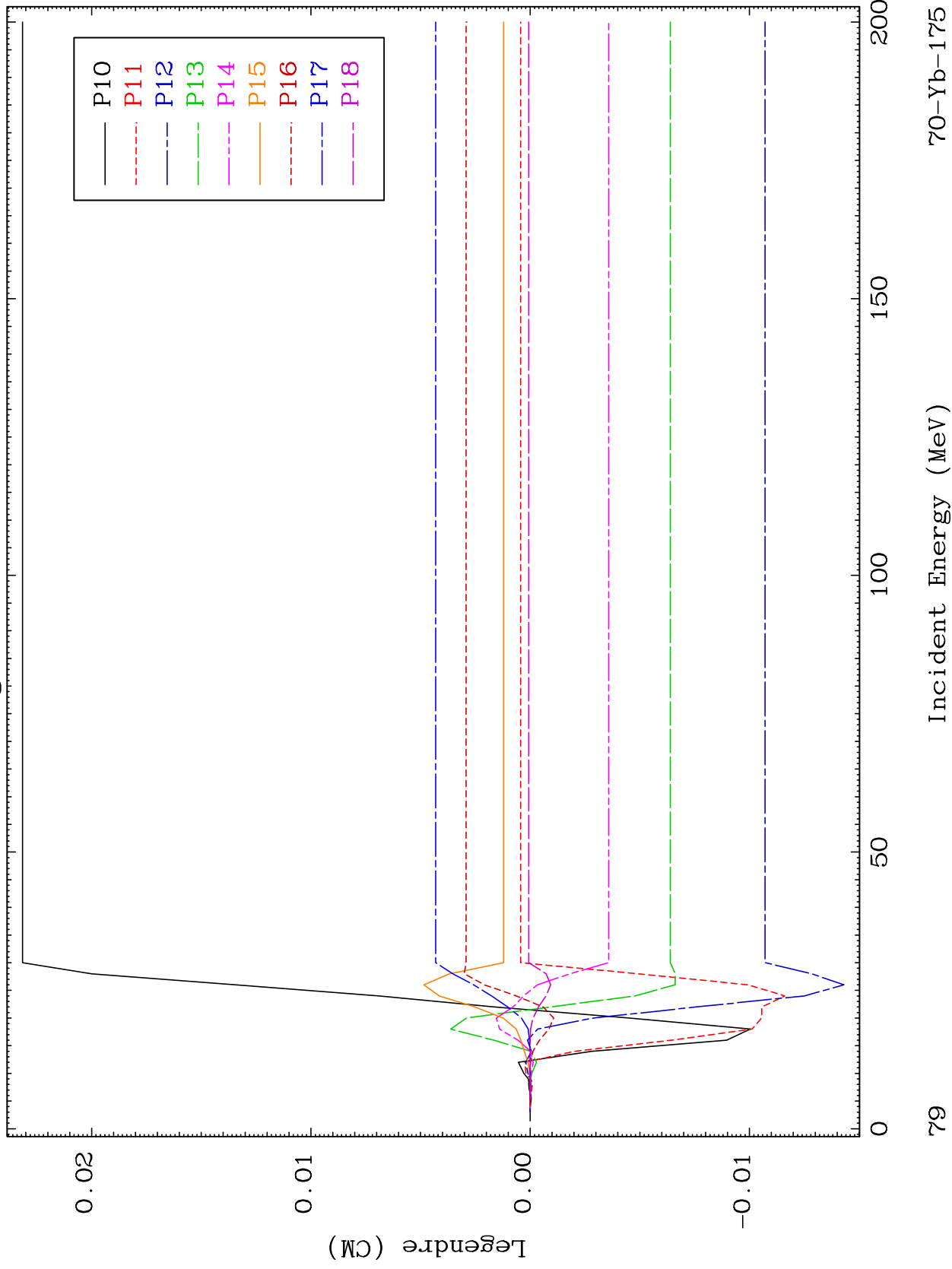




MAT 7046

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

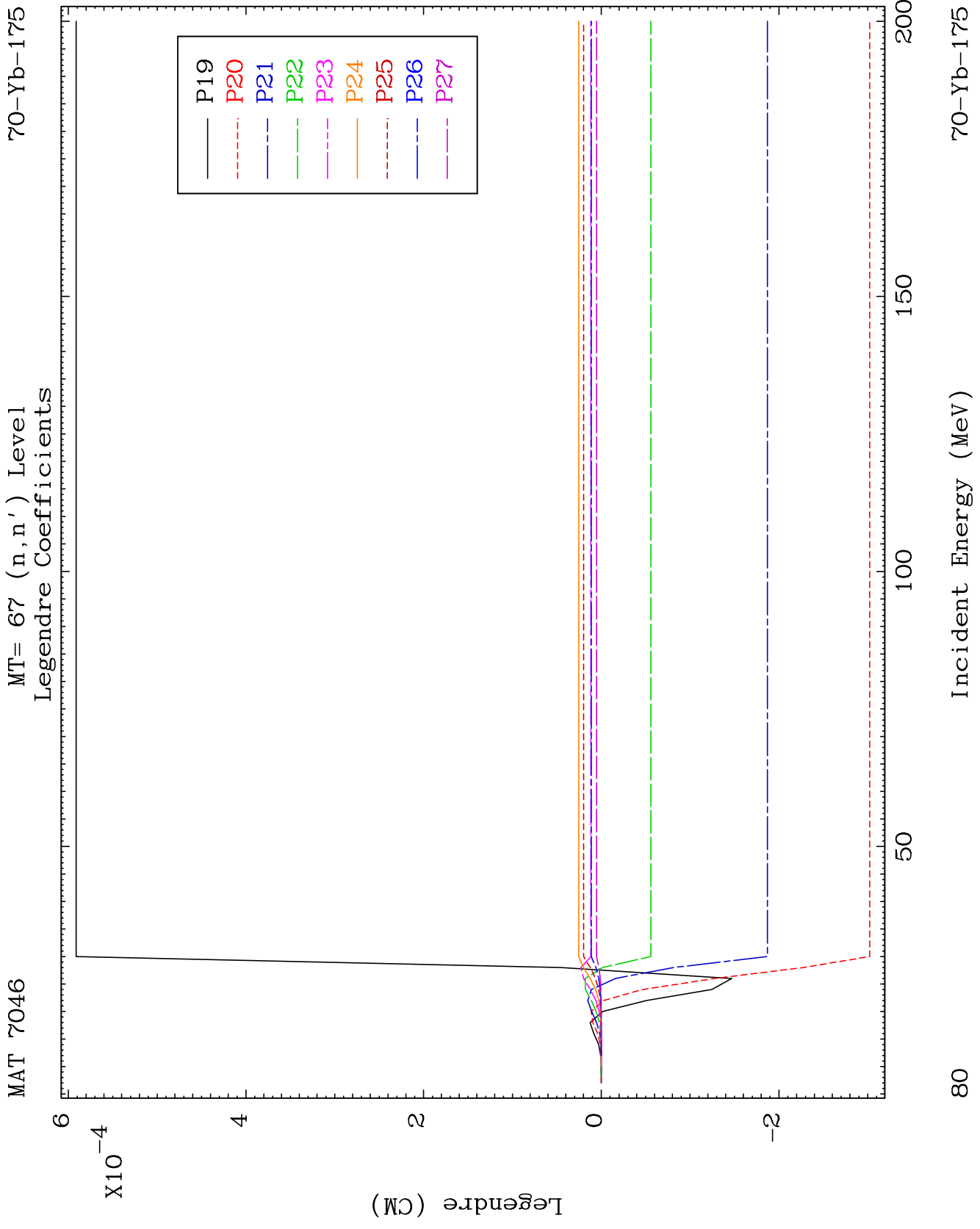
70-Yb-175



70-Yb-175

Incident Energy (MeV)

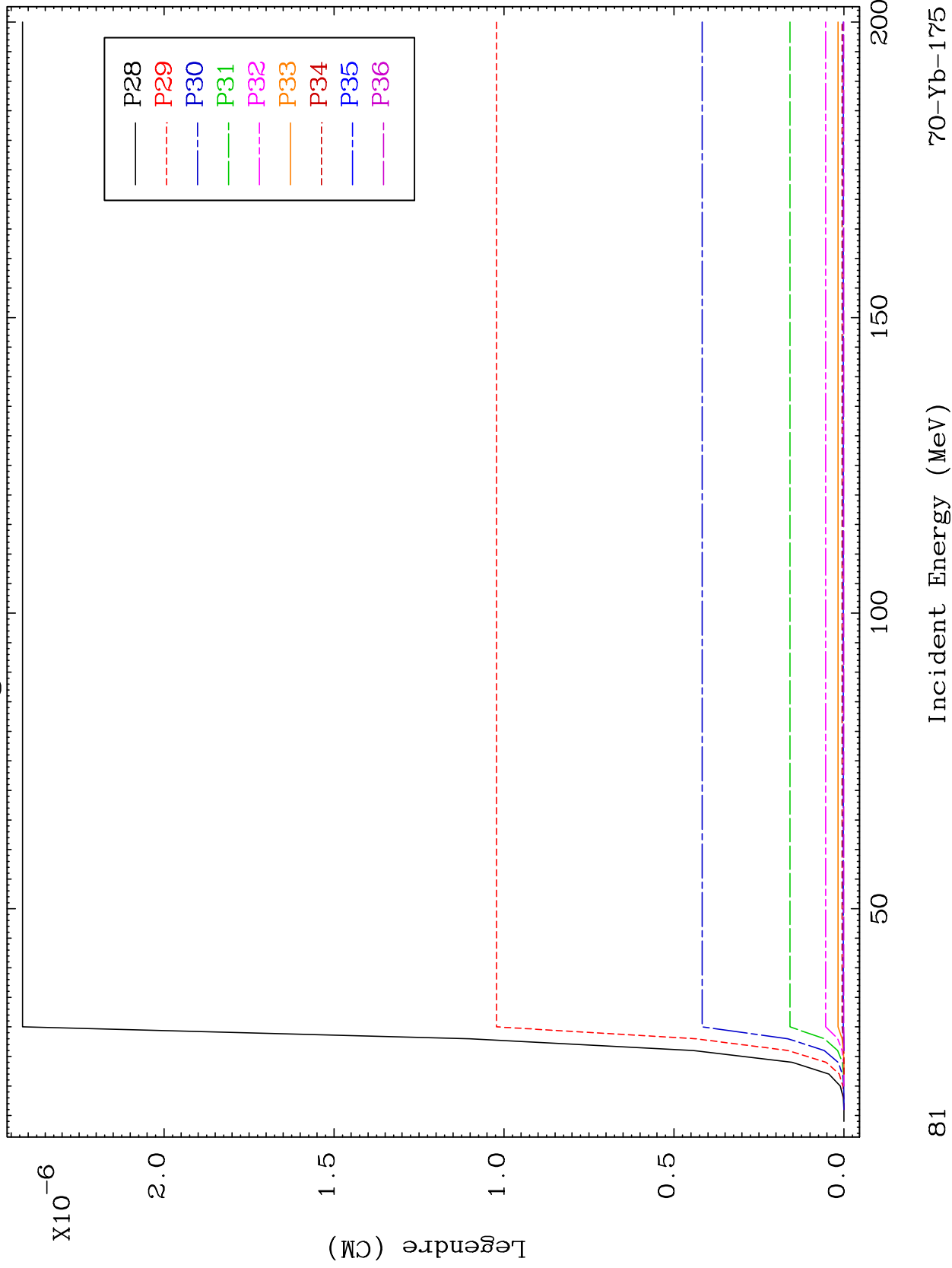
79



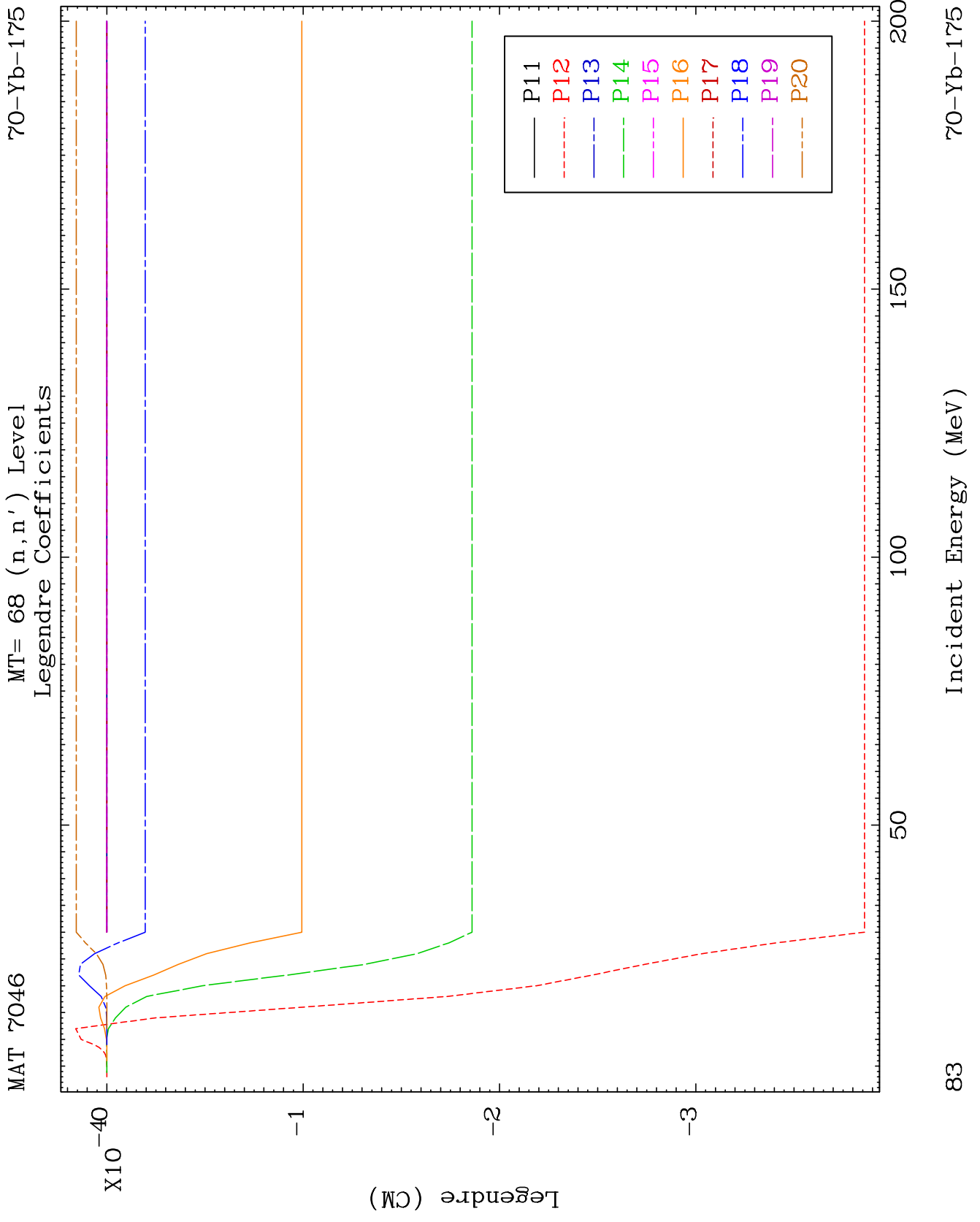
MAT 7046

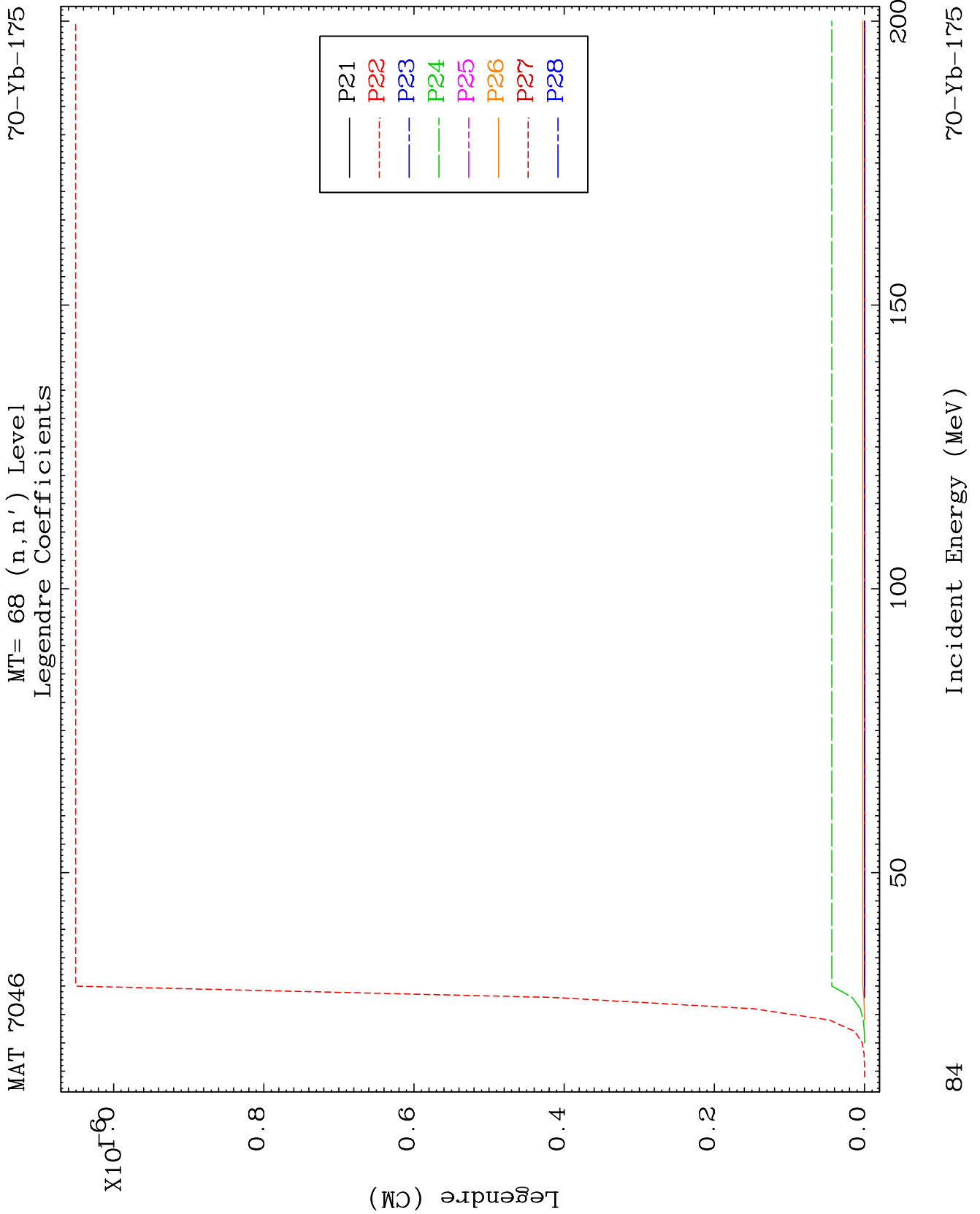
MT= 67 (n,n') Level  
Legendre Coefficients

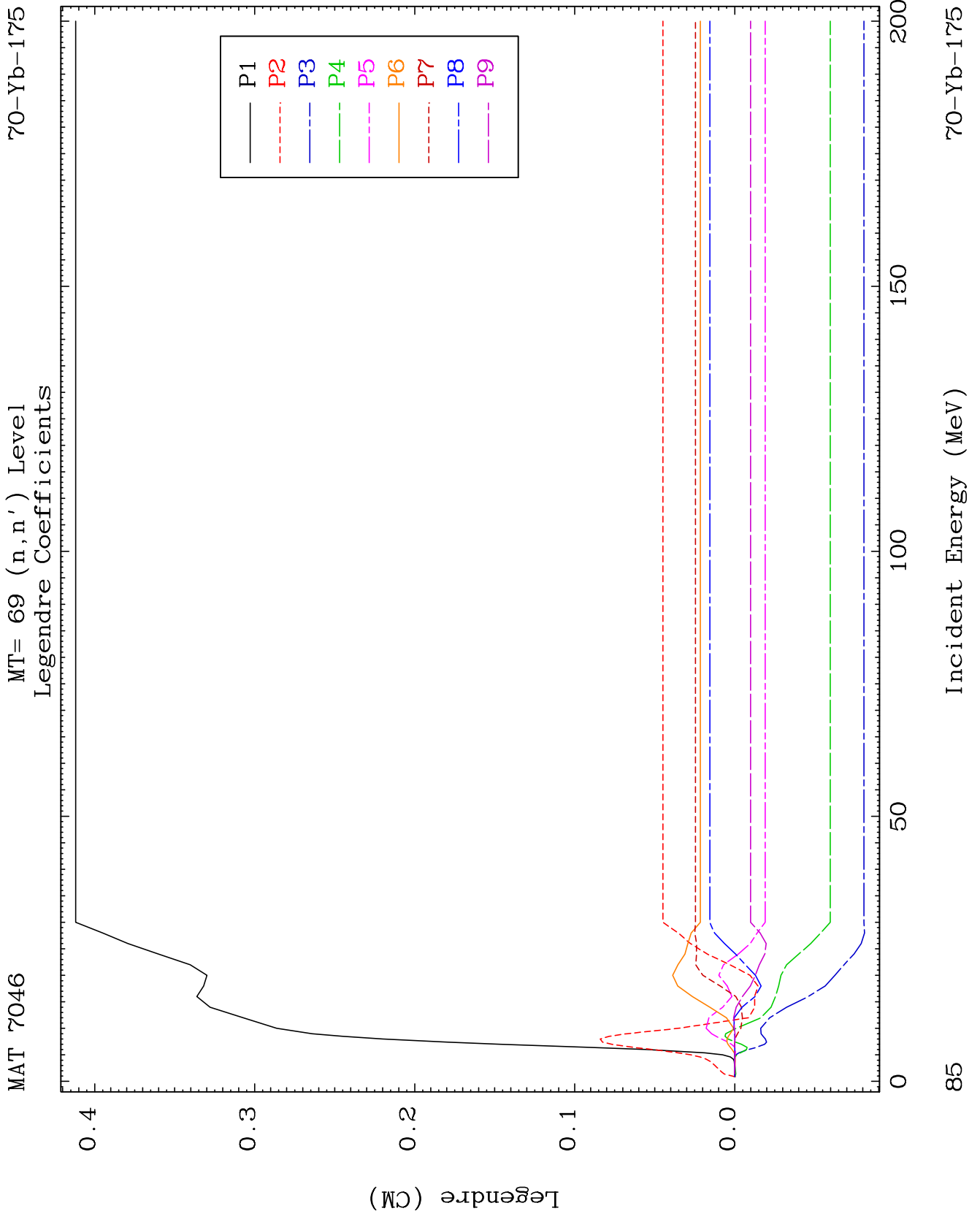
70-Yb-175









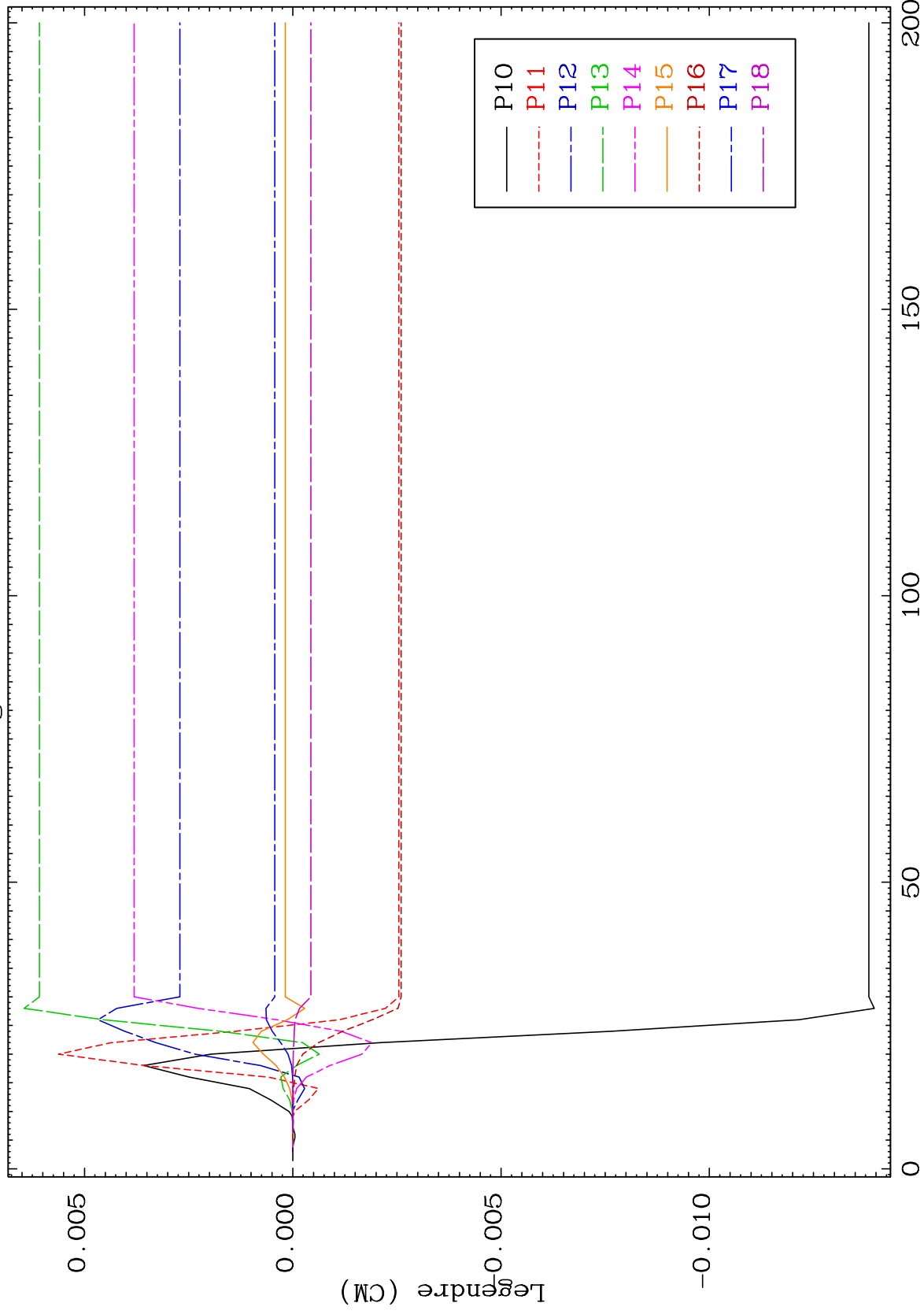


MAT 7046

MT= 69 (n,n') Level

70-Yb-175

Legendre Coefficients



86

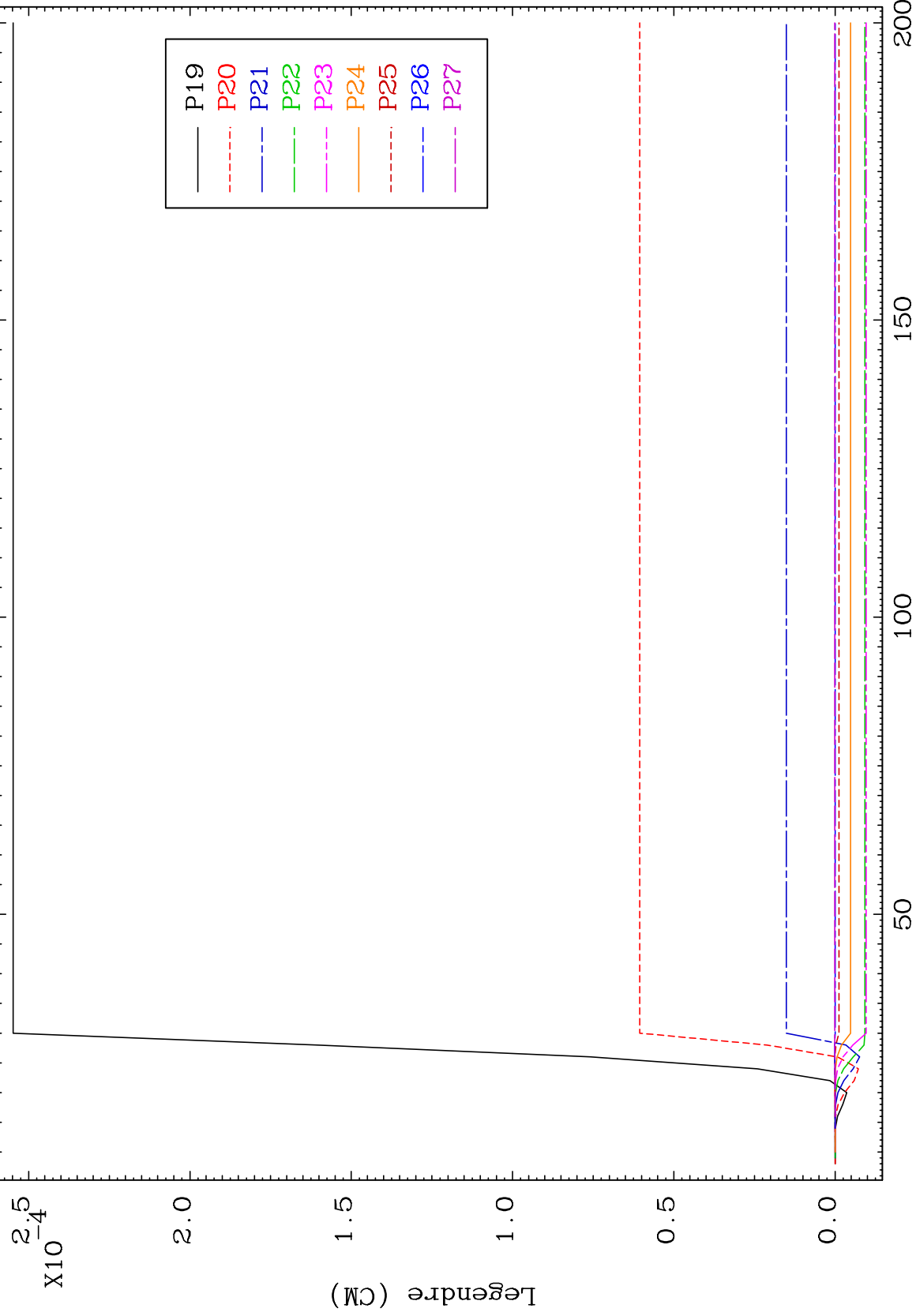
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



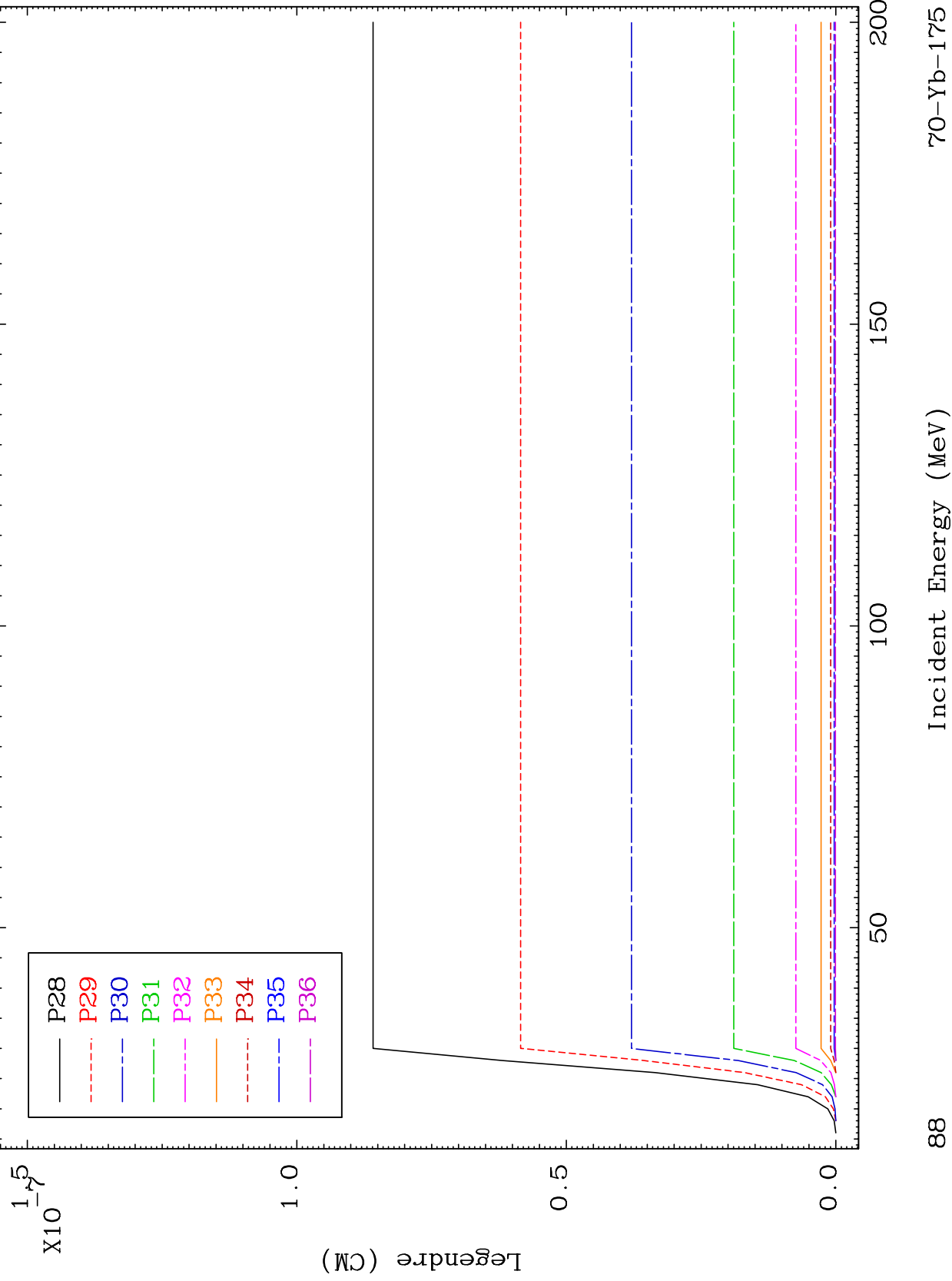
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70-Yb-175

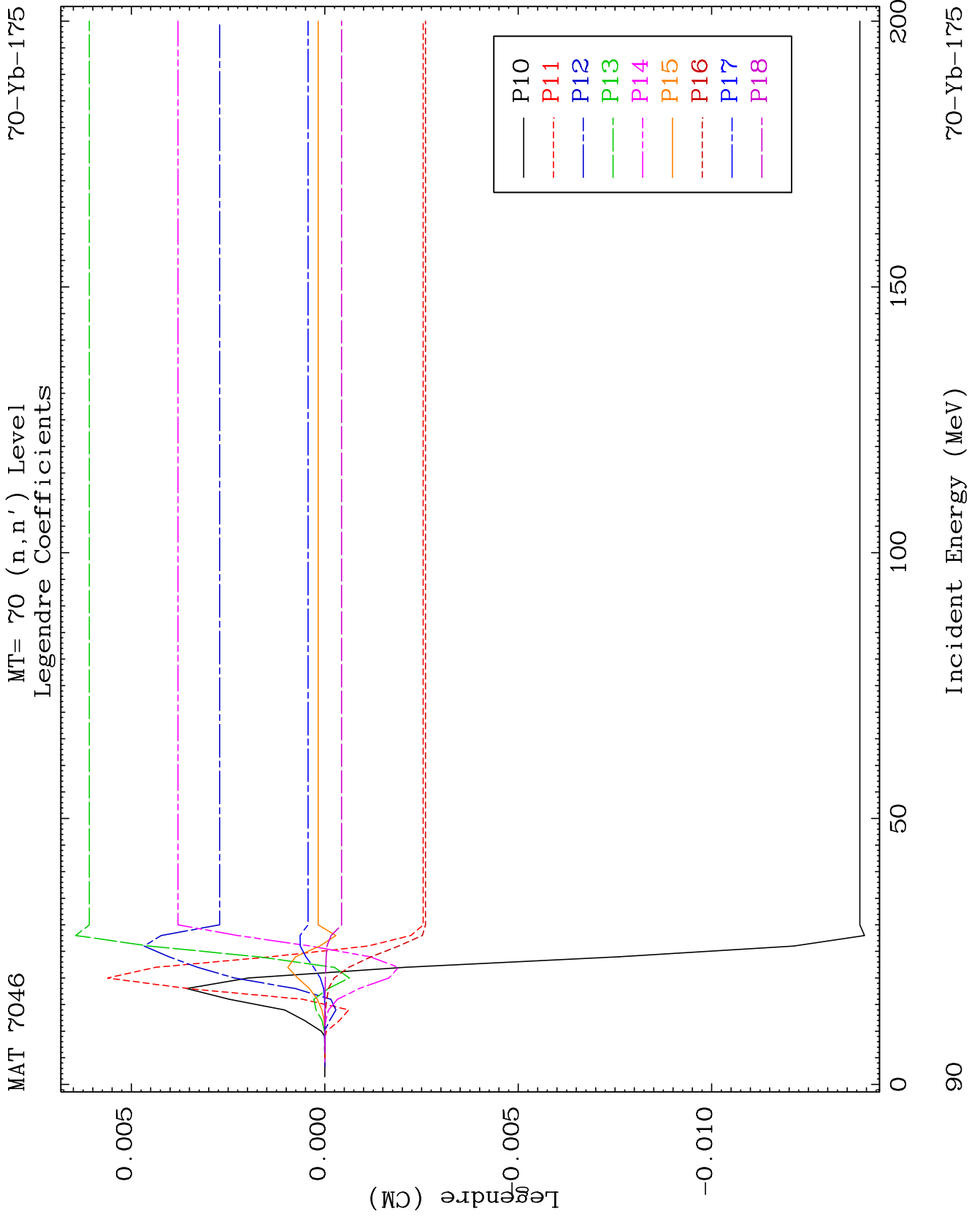
MAT 7046

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

70-Yb-175



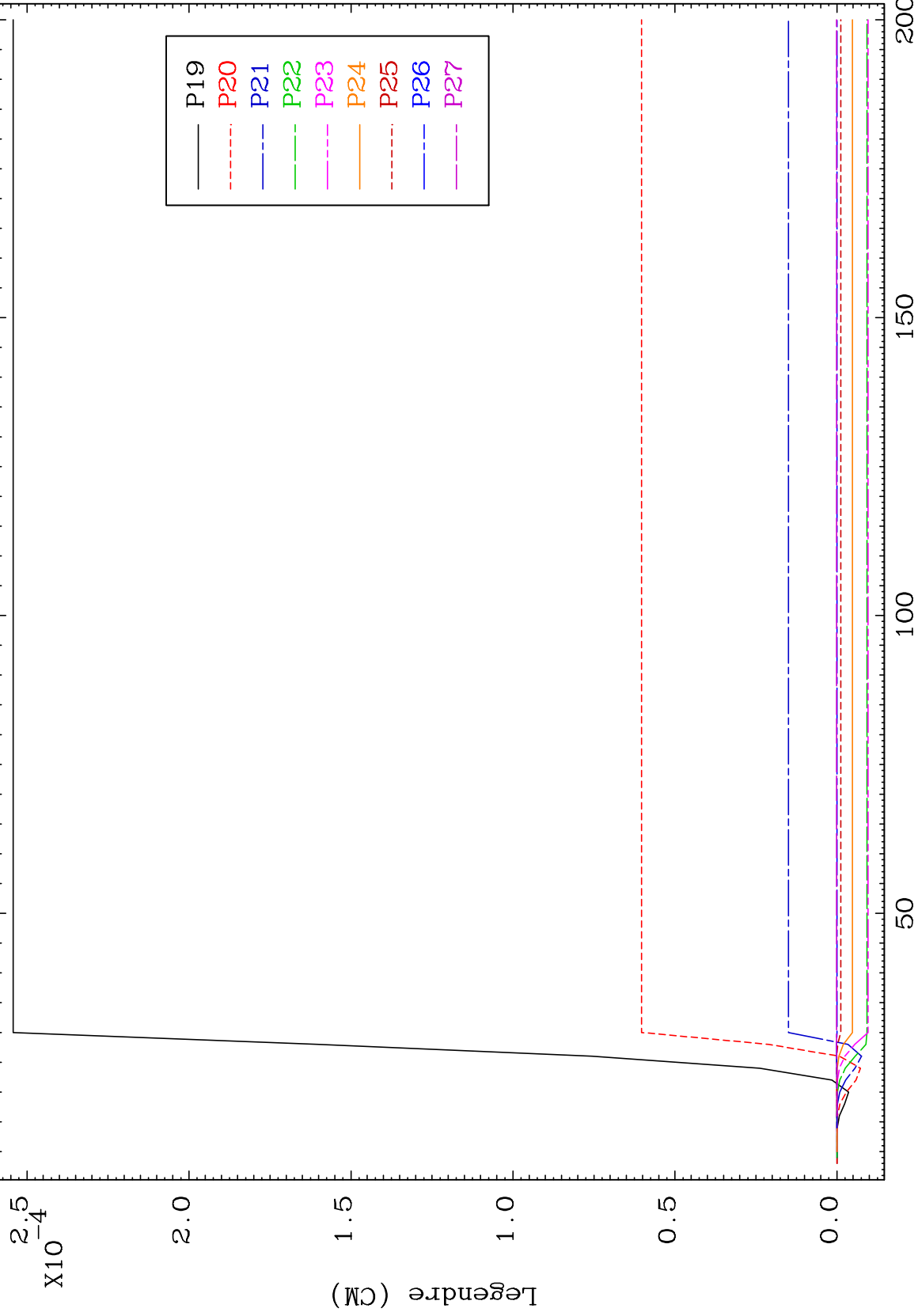




MAT 7046

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

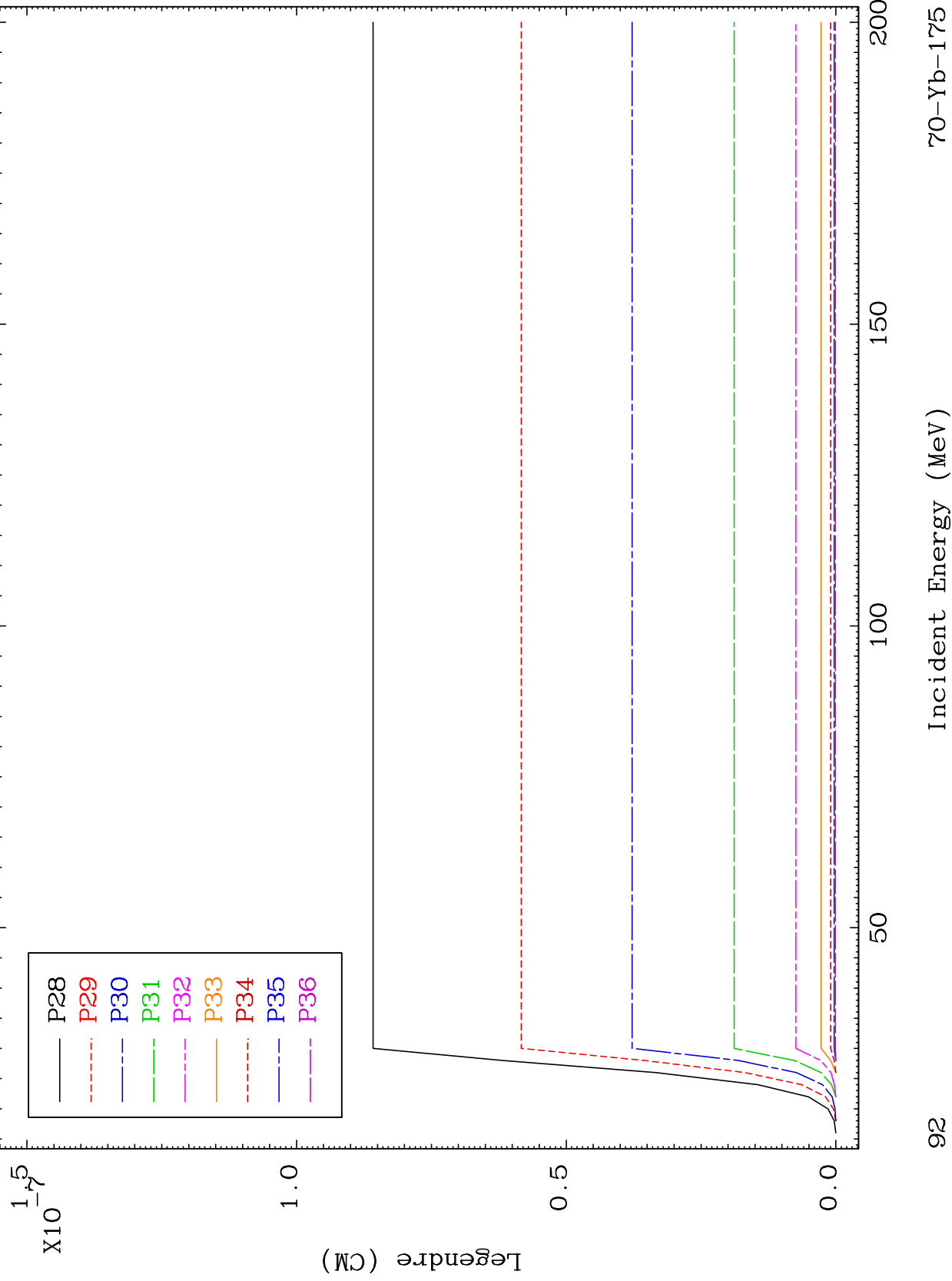
70-Yb-175

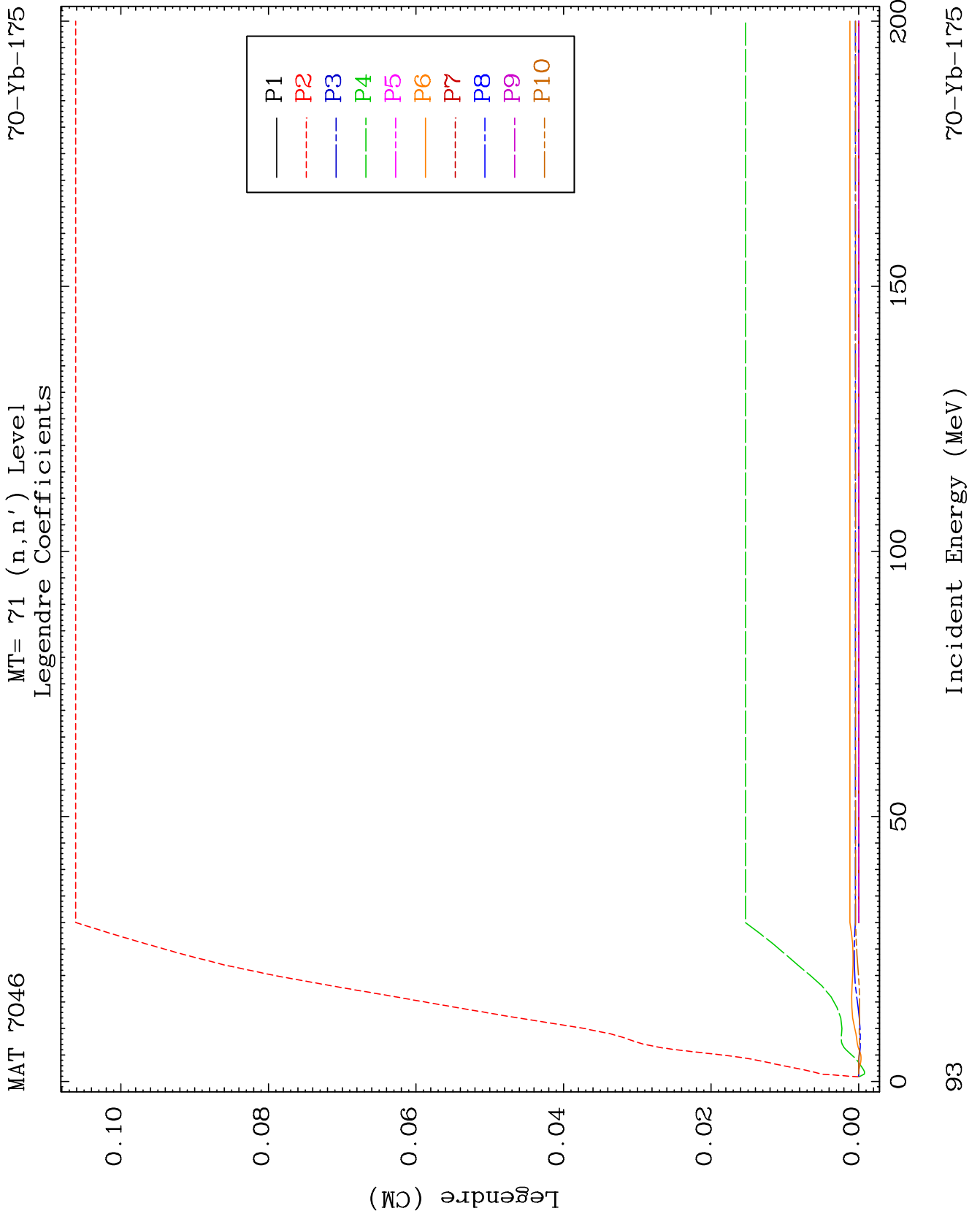


MAT 7046

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

70-Yb-175

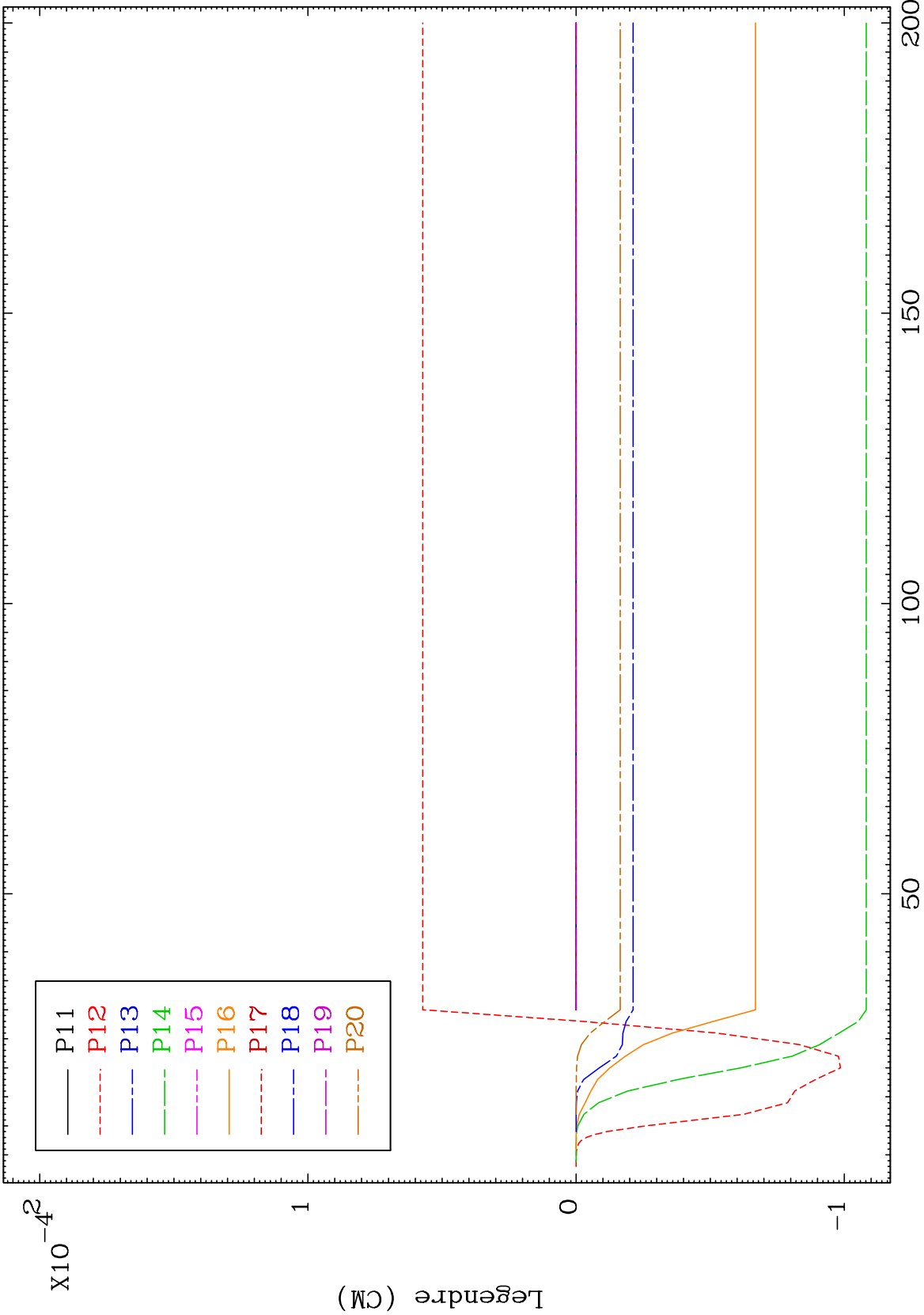




MAT 7046

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

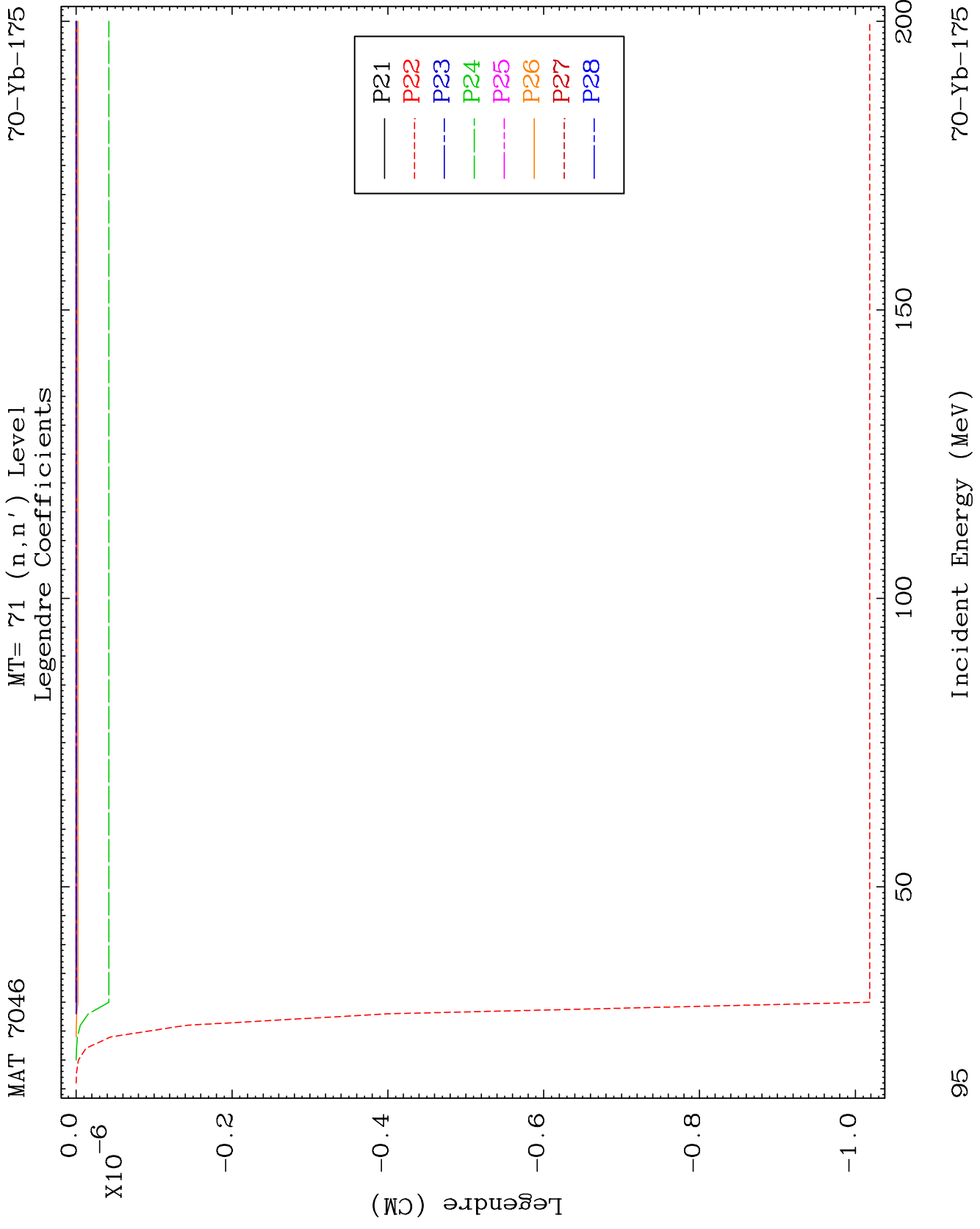
70-Yb-175

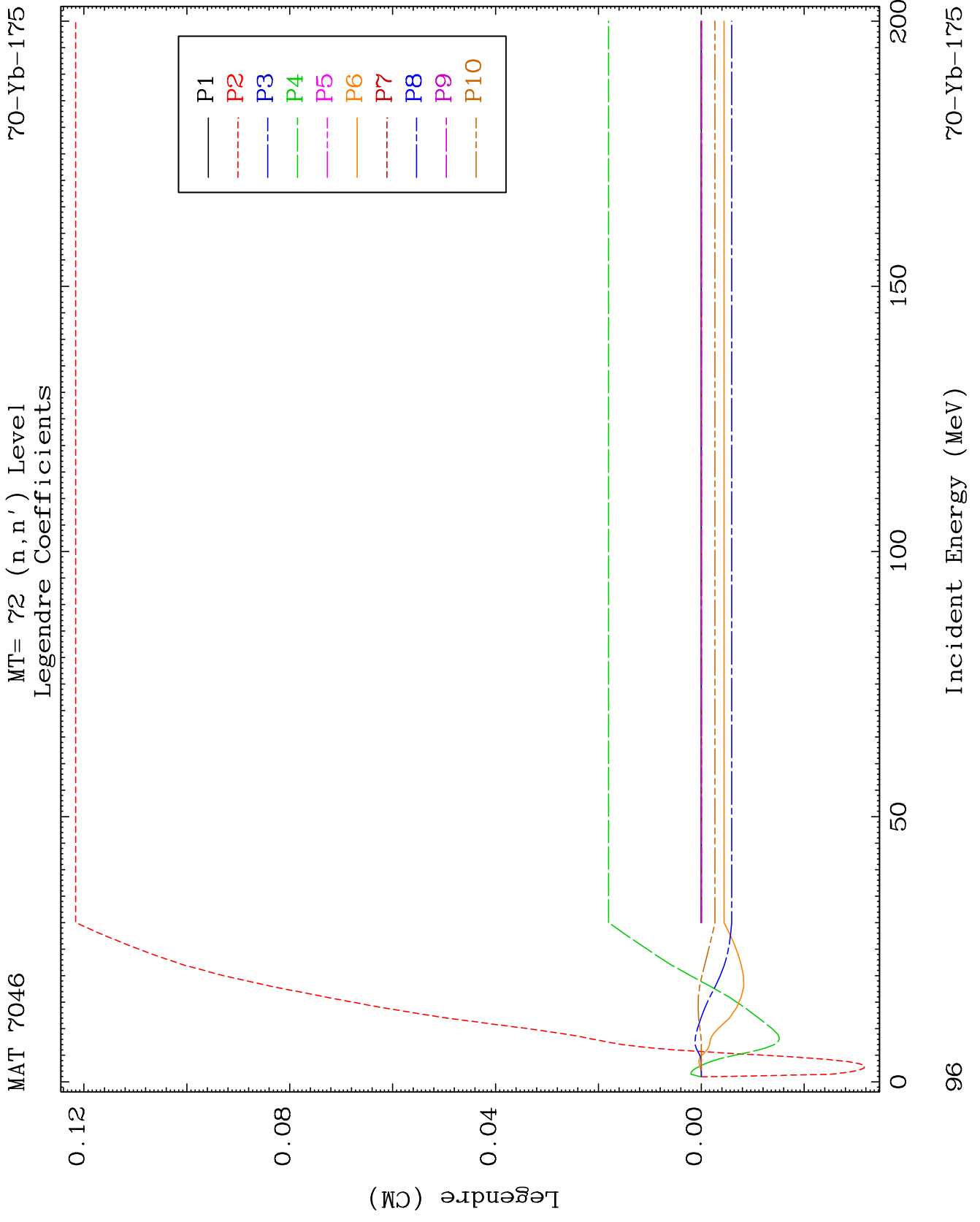


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Incident Energy (MeV)

70-Yb-175

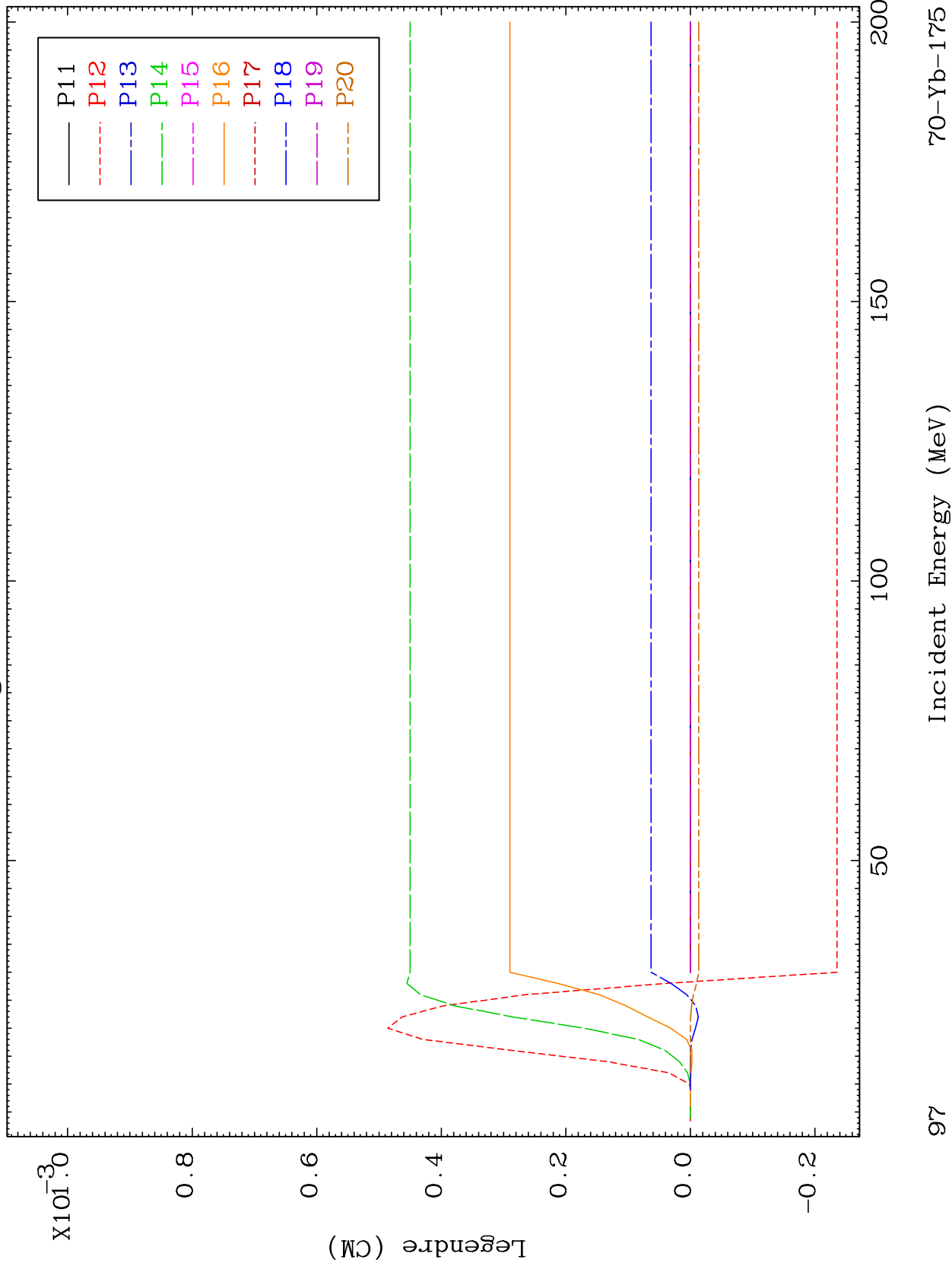


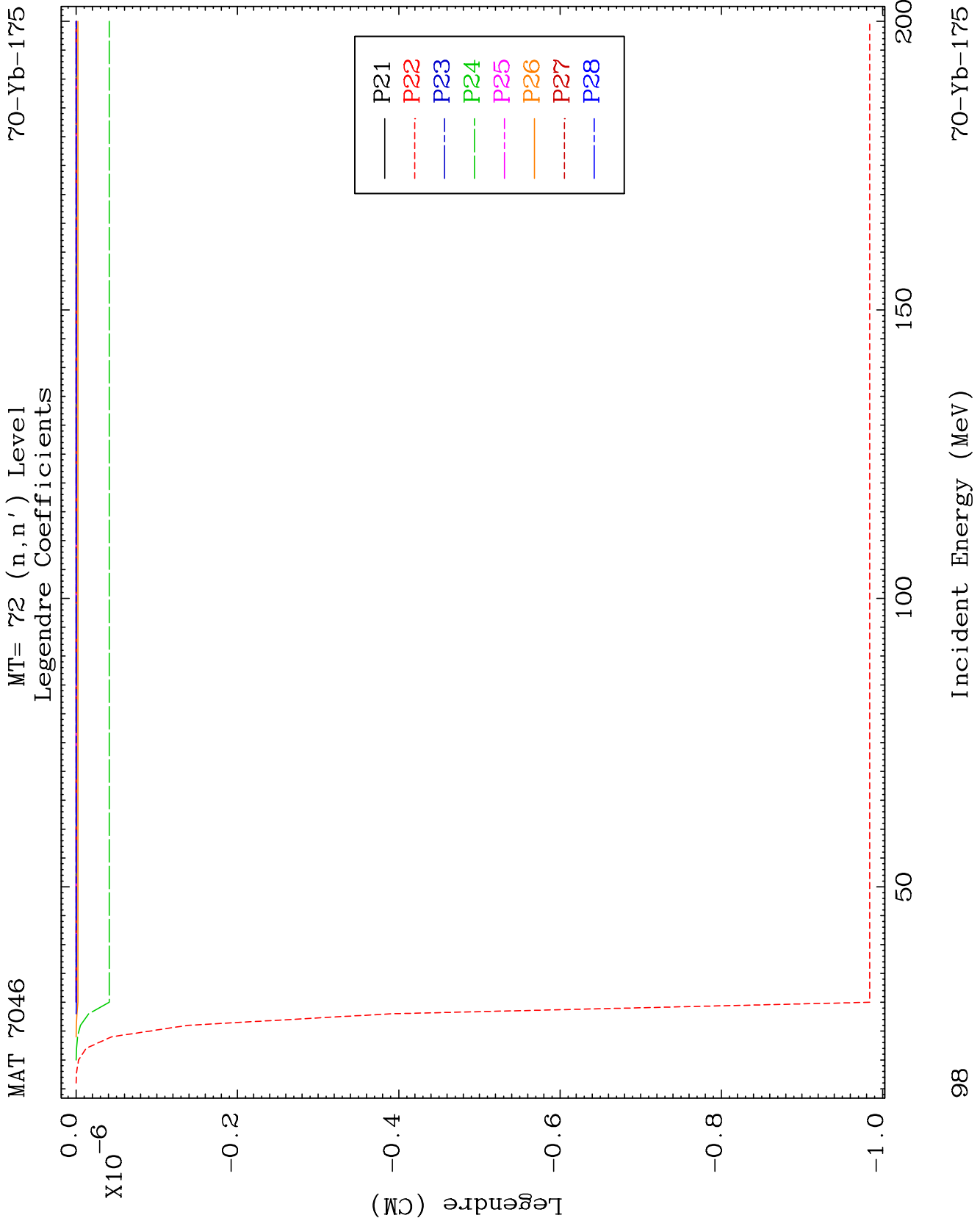


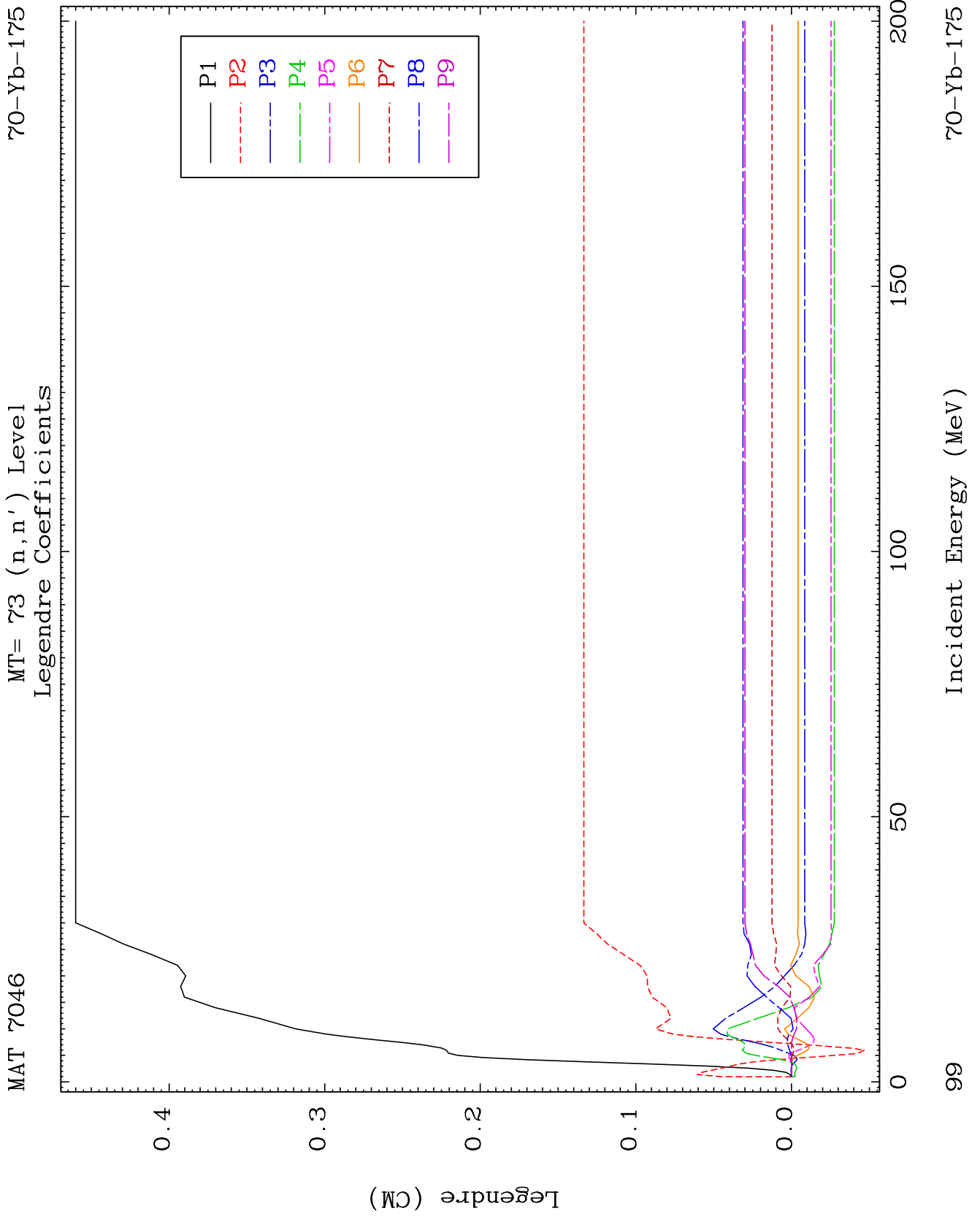
MAT 7046

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

70-Yb-175





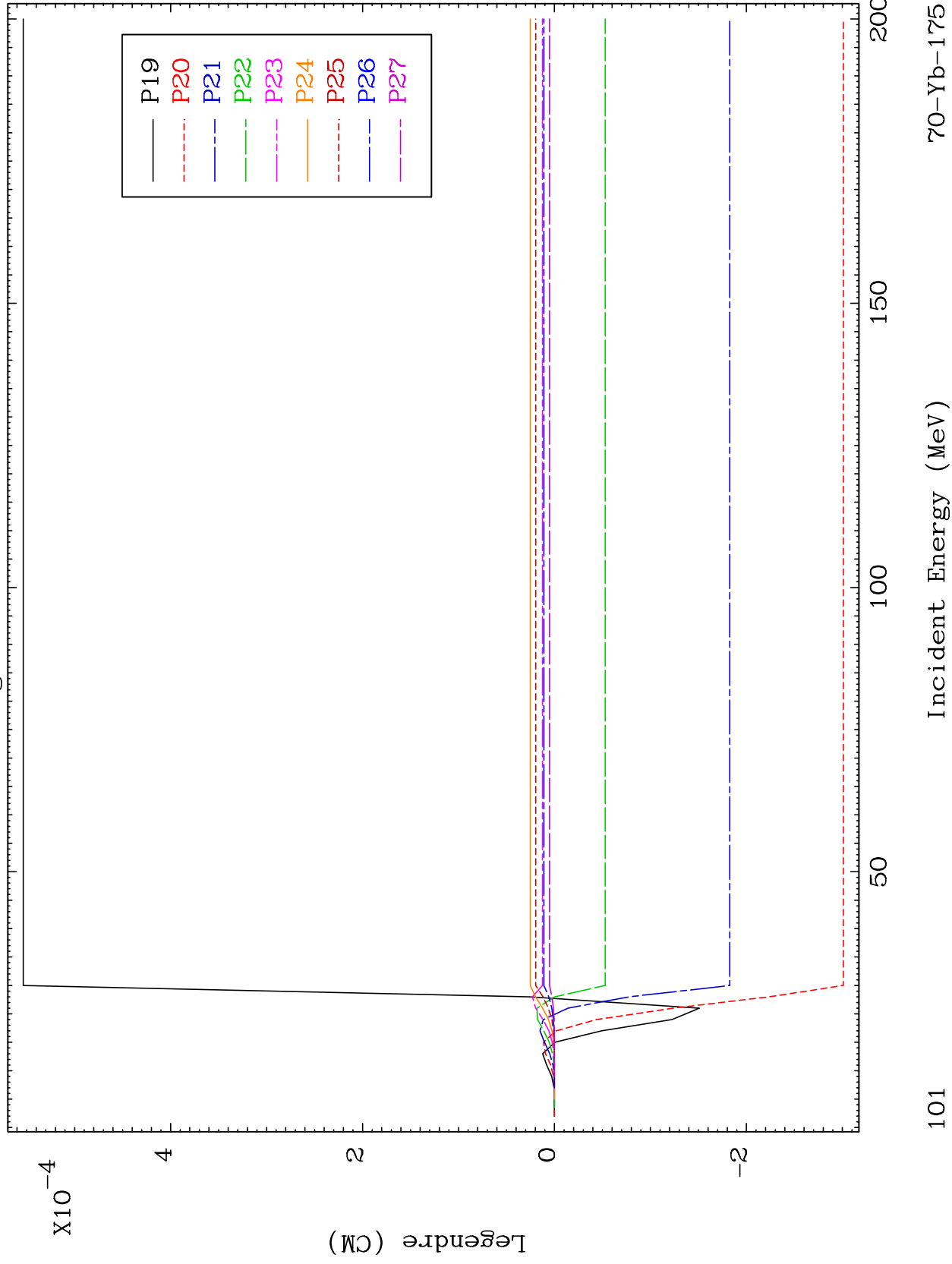




MAT 7046

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

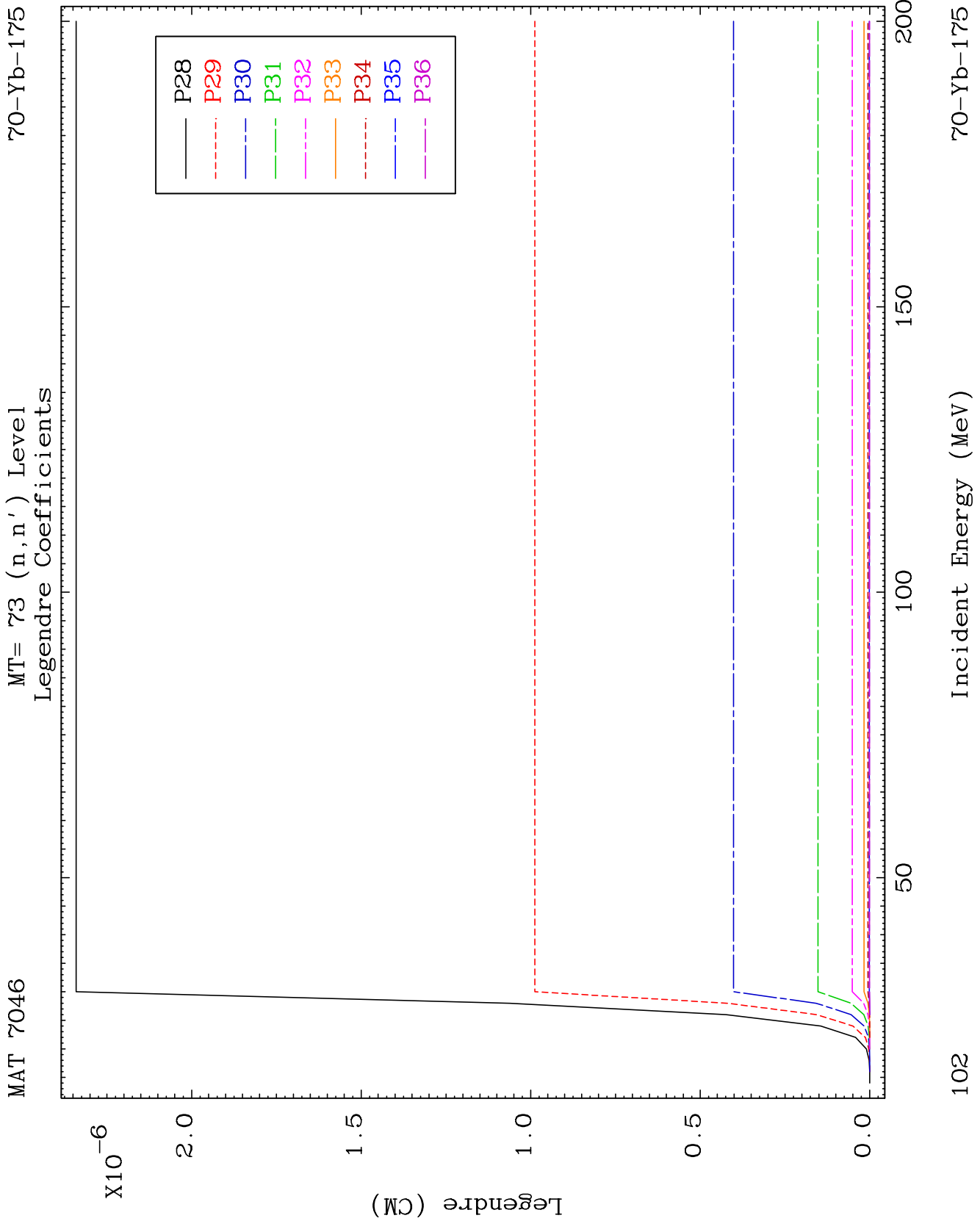
70-Yb-175

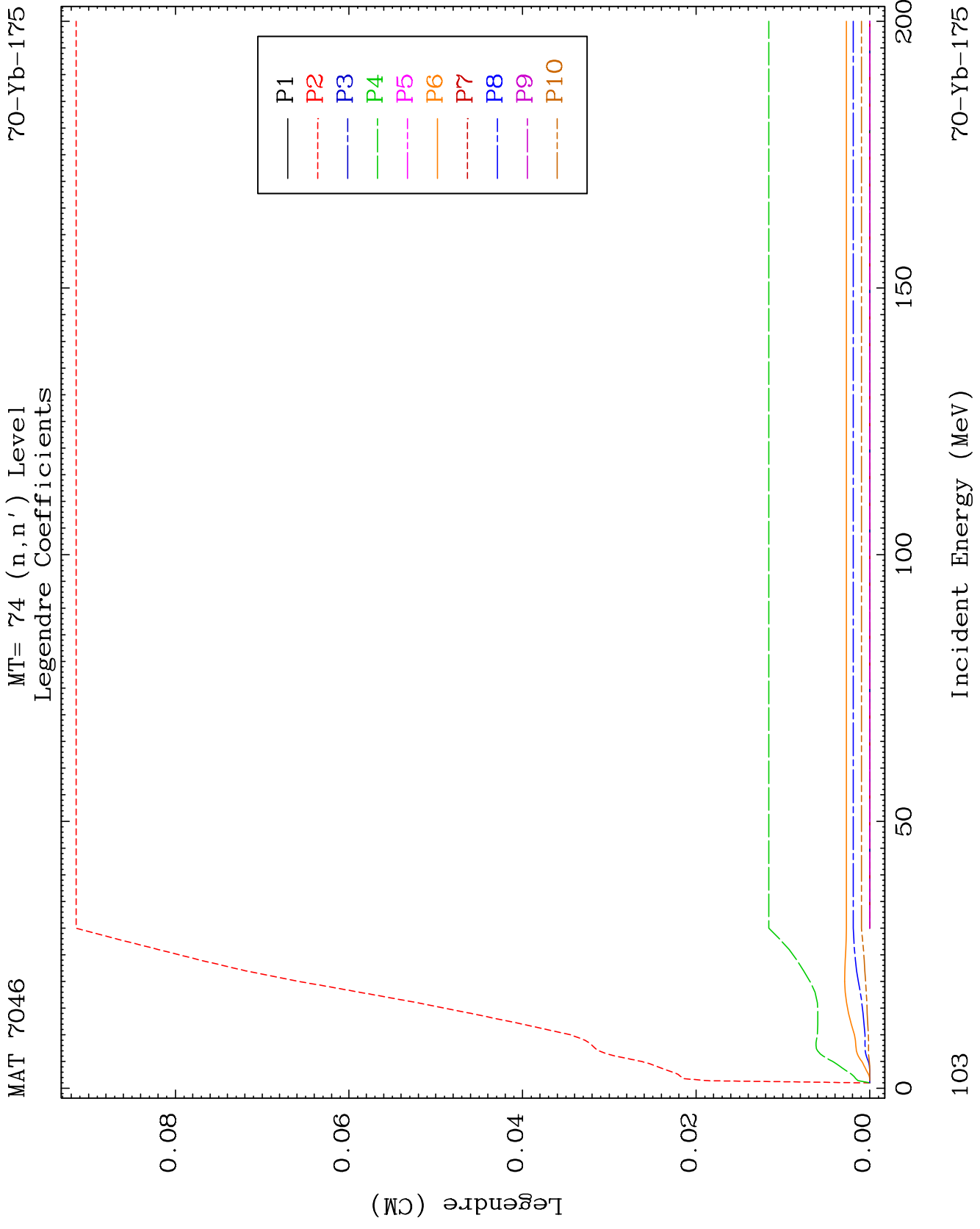


101

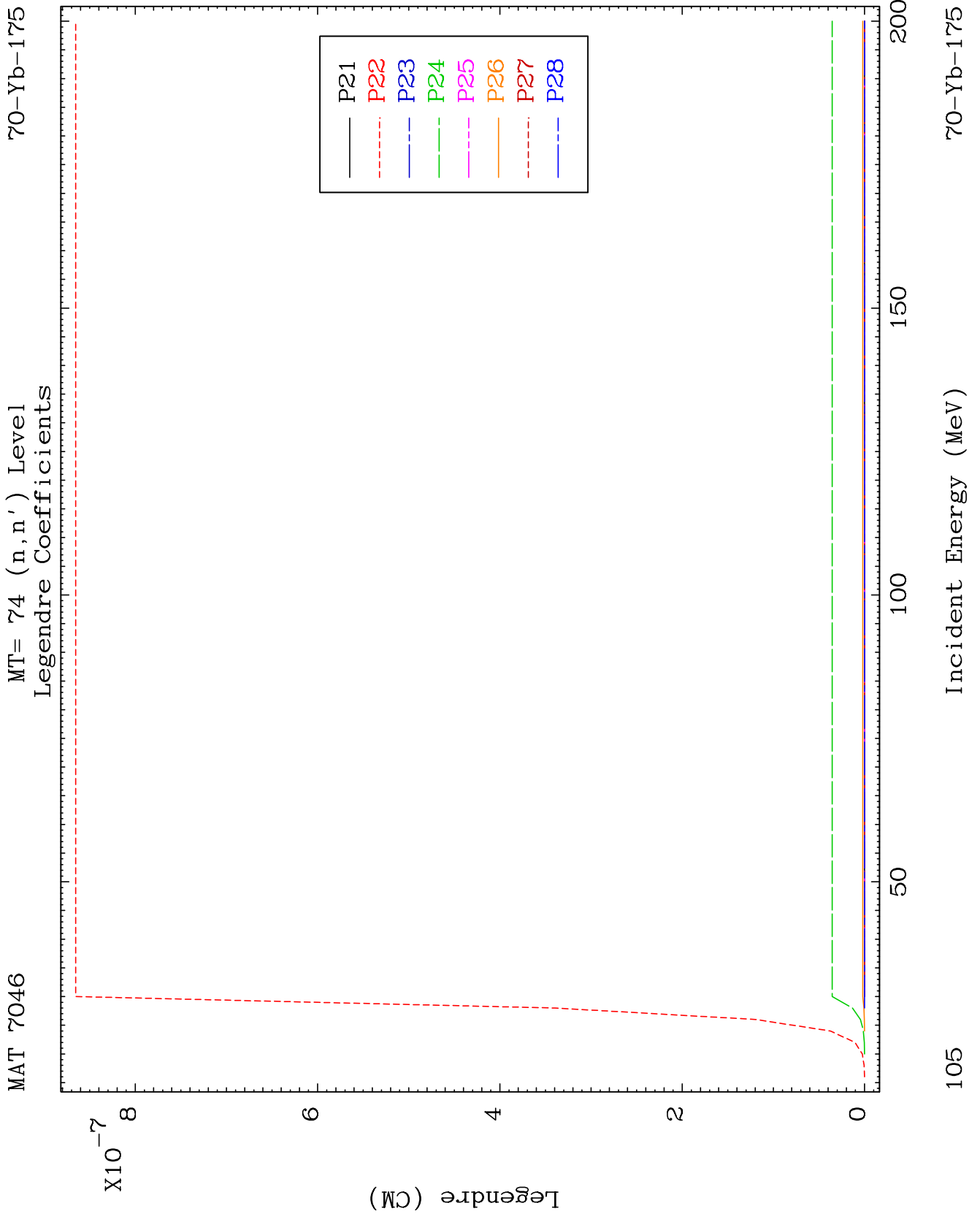
Incident Energy (MeV)

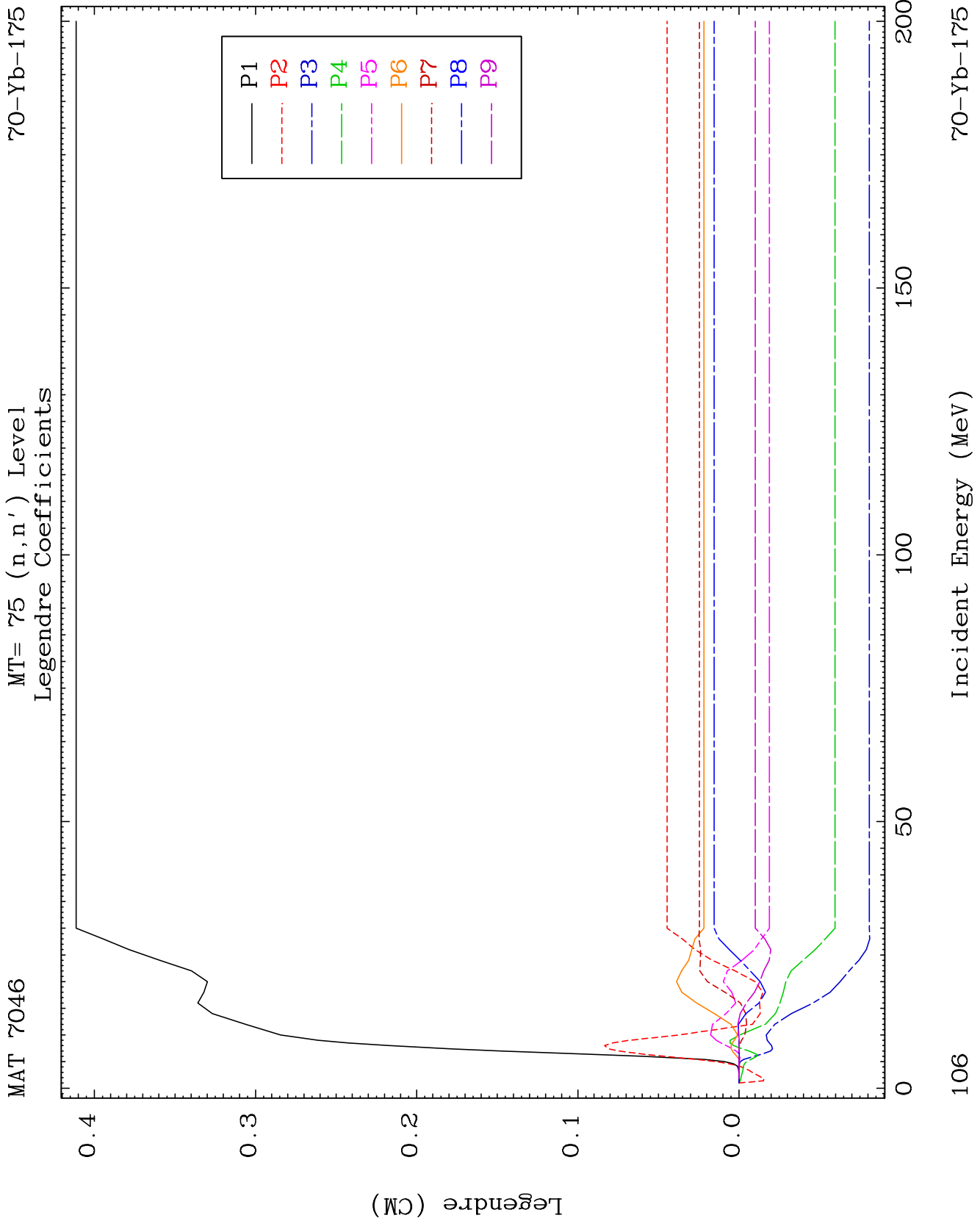
70-Yb-175

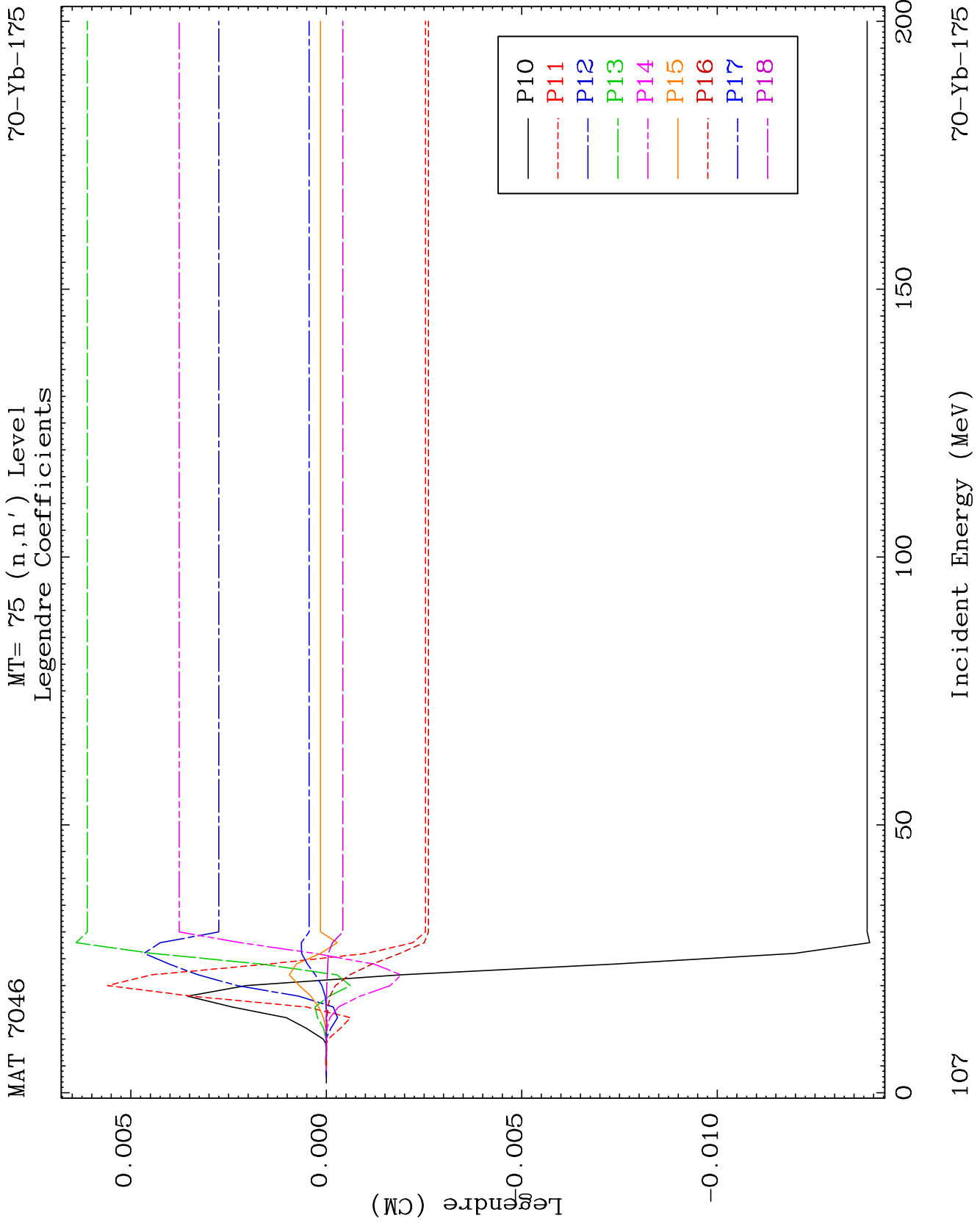


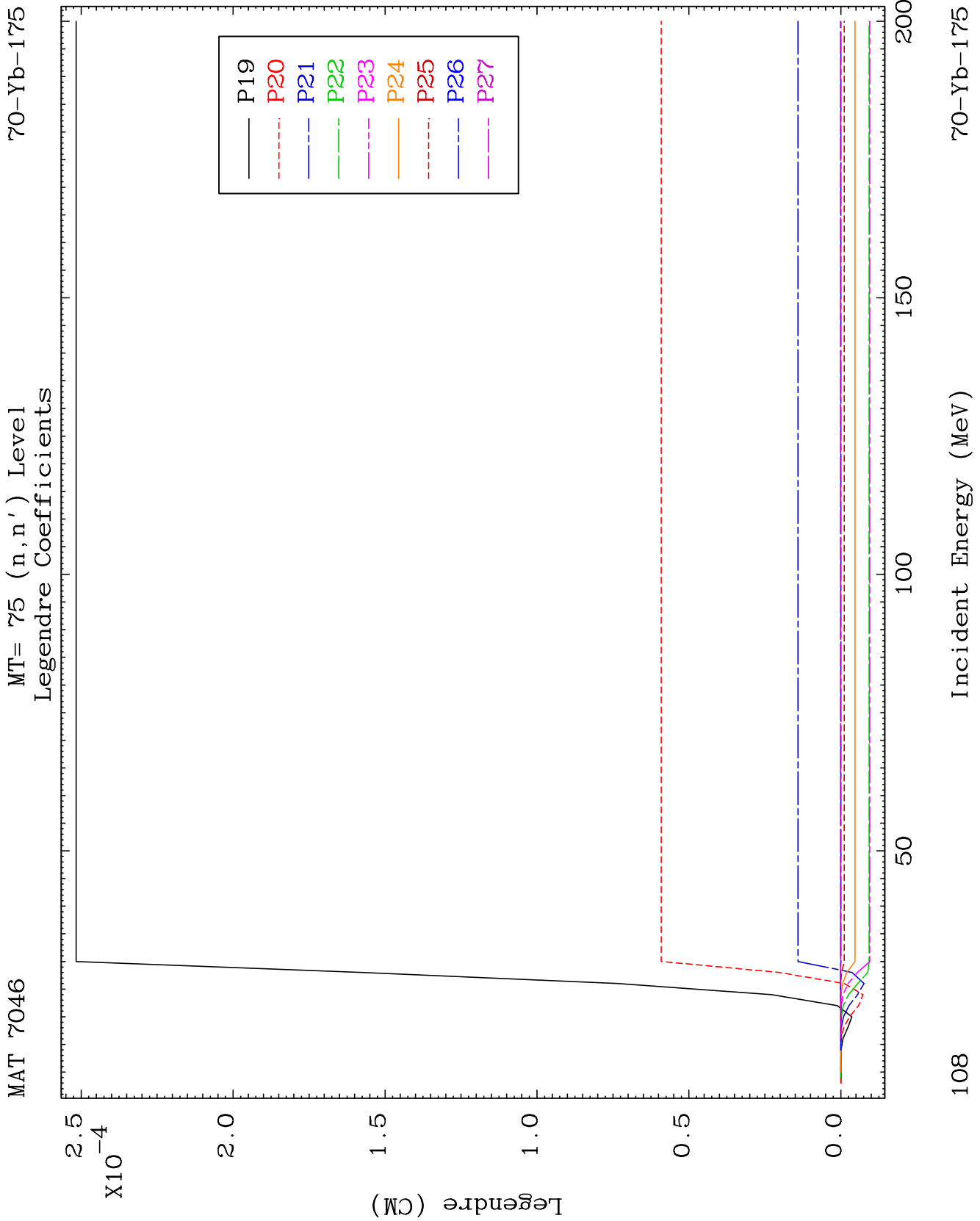








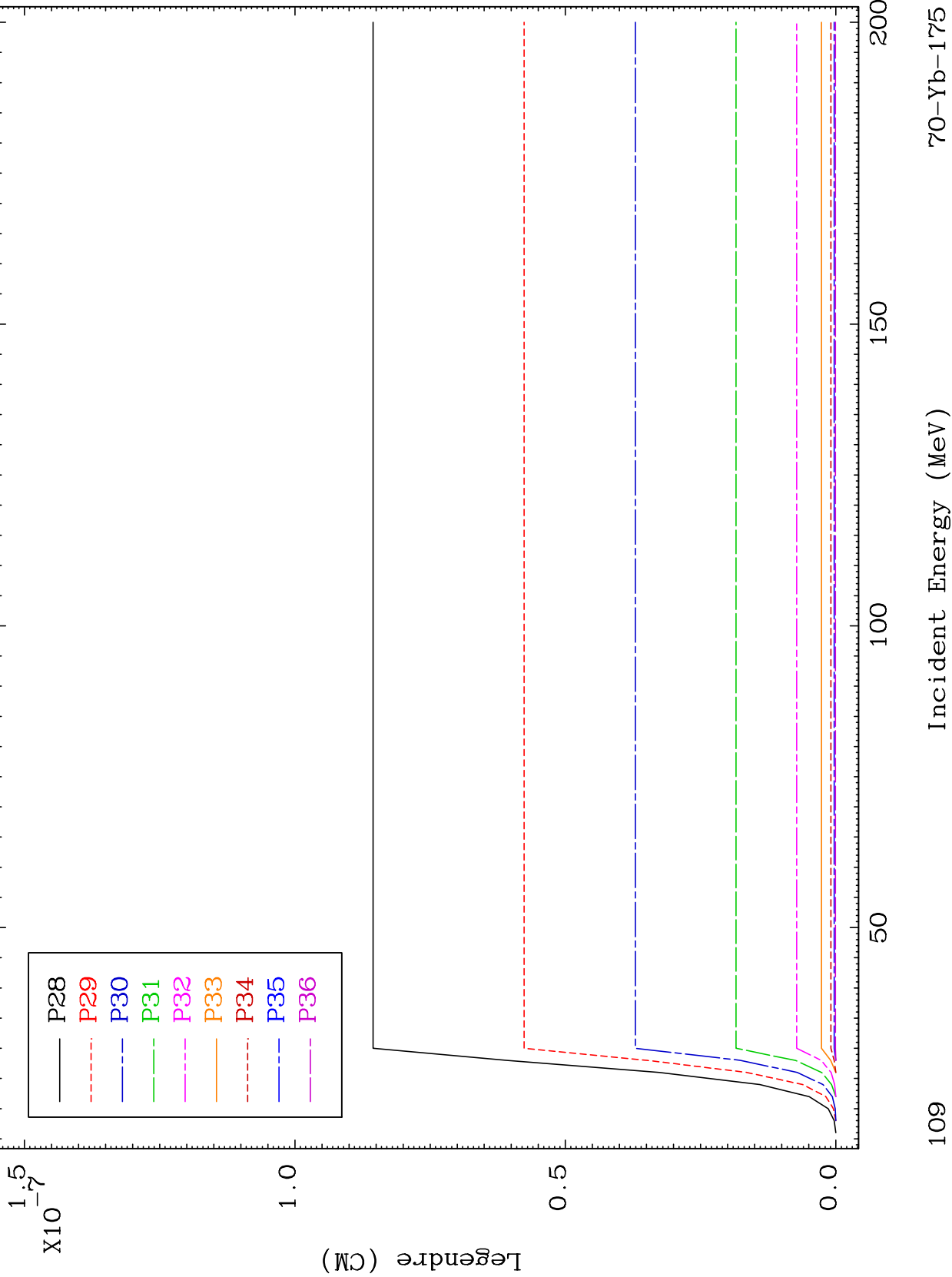




MAT 7046

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

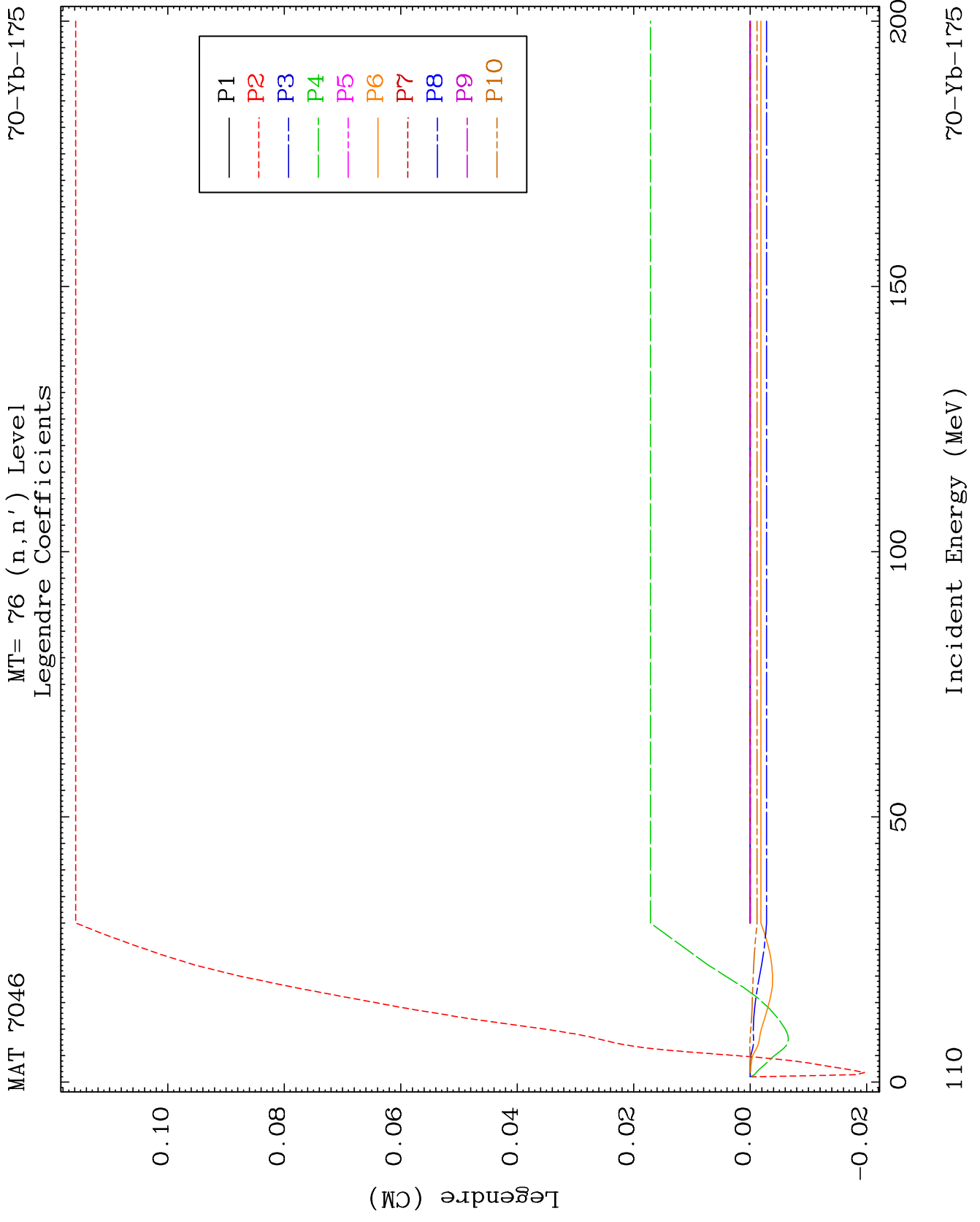
70-Yb-175

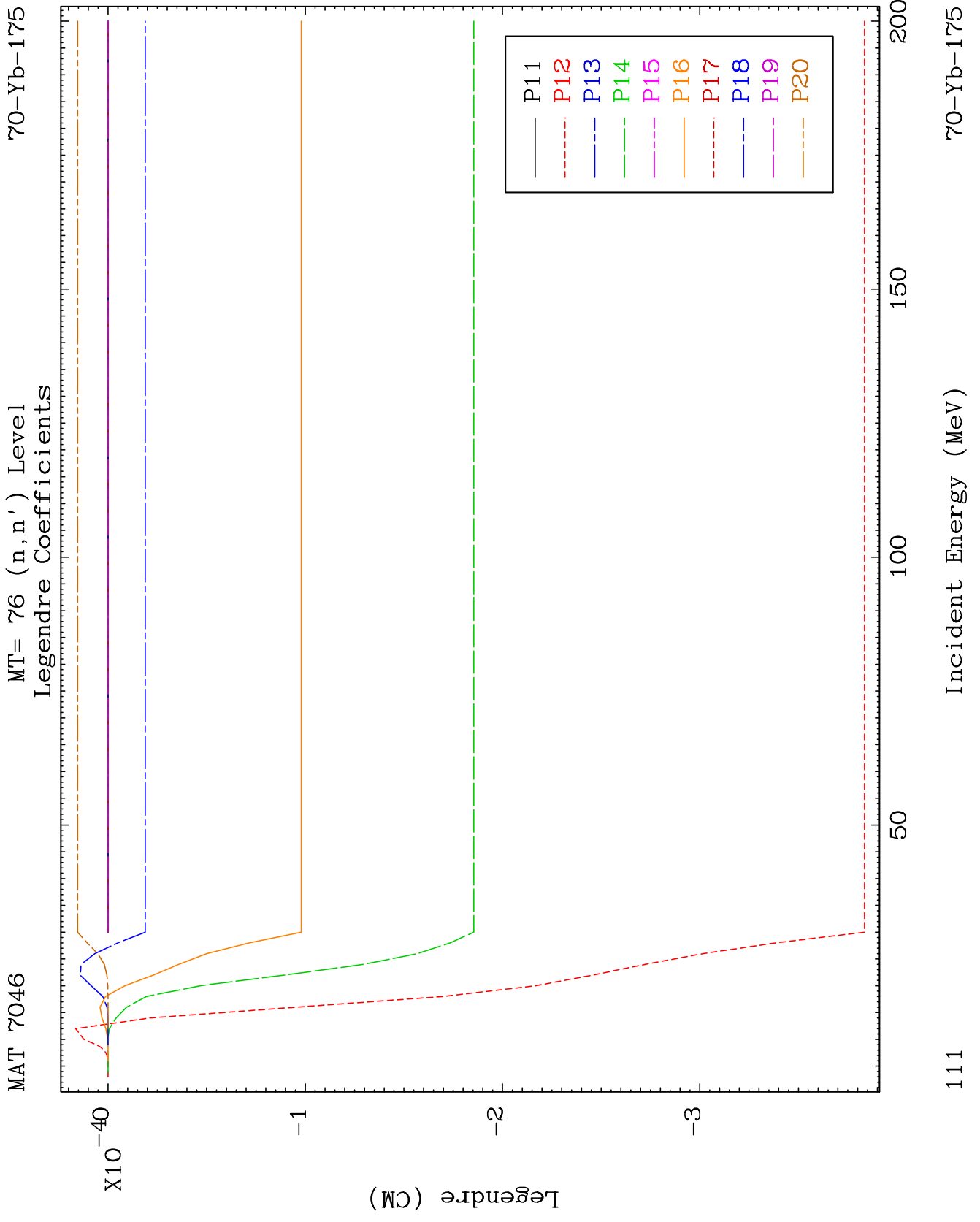


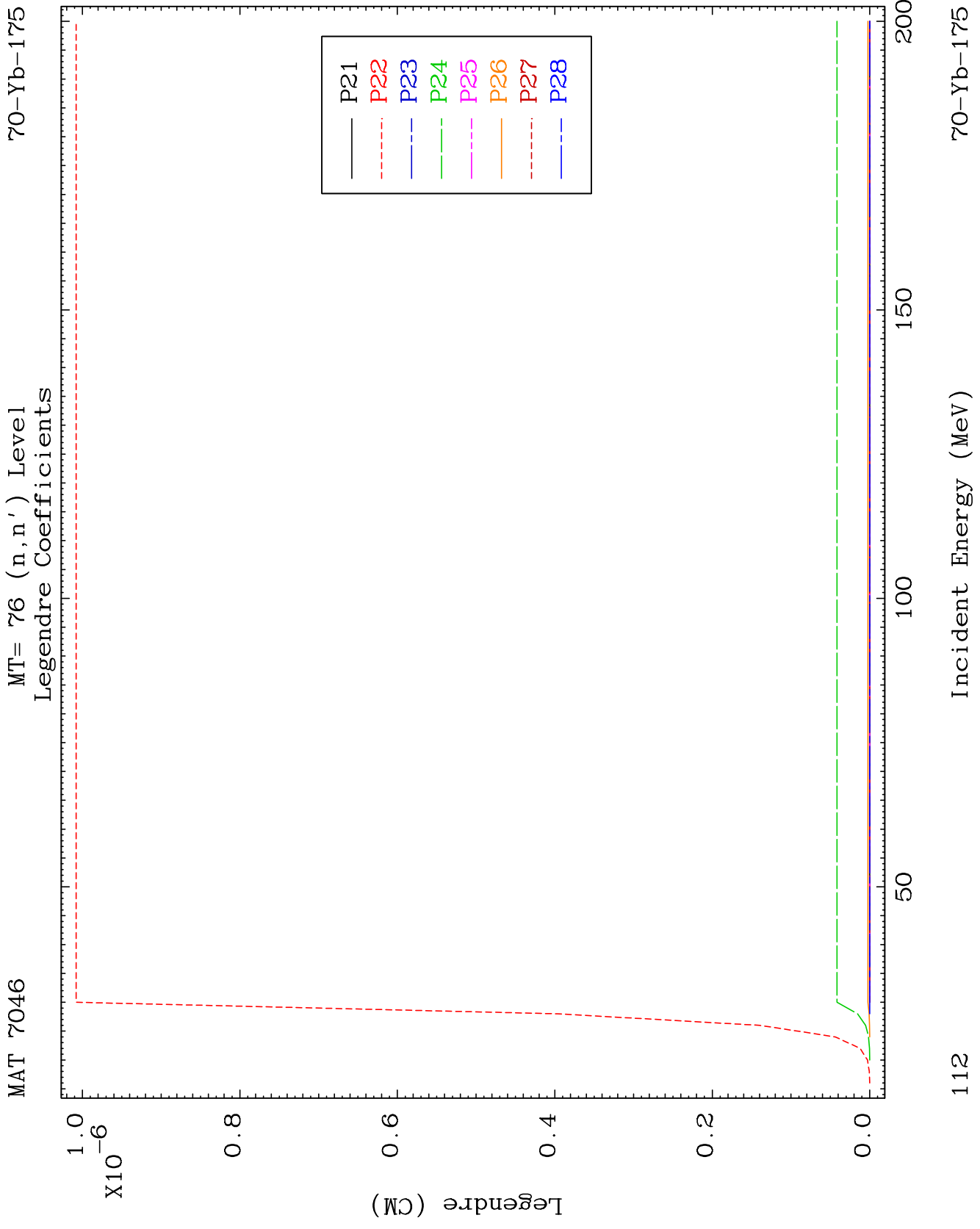
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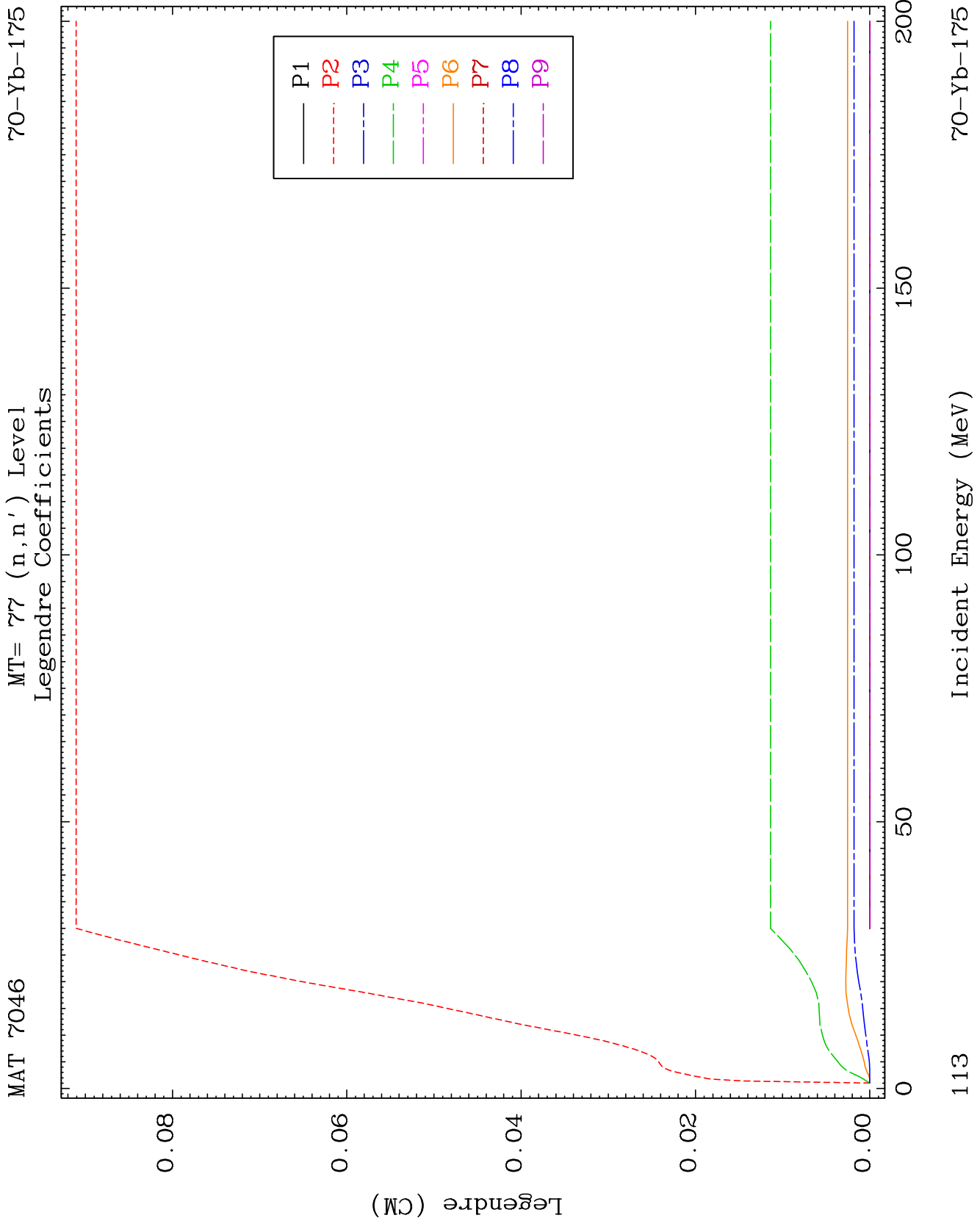
Incident Energy (MeV)

70-Yb-175





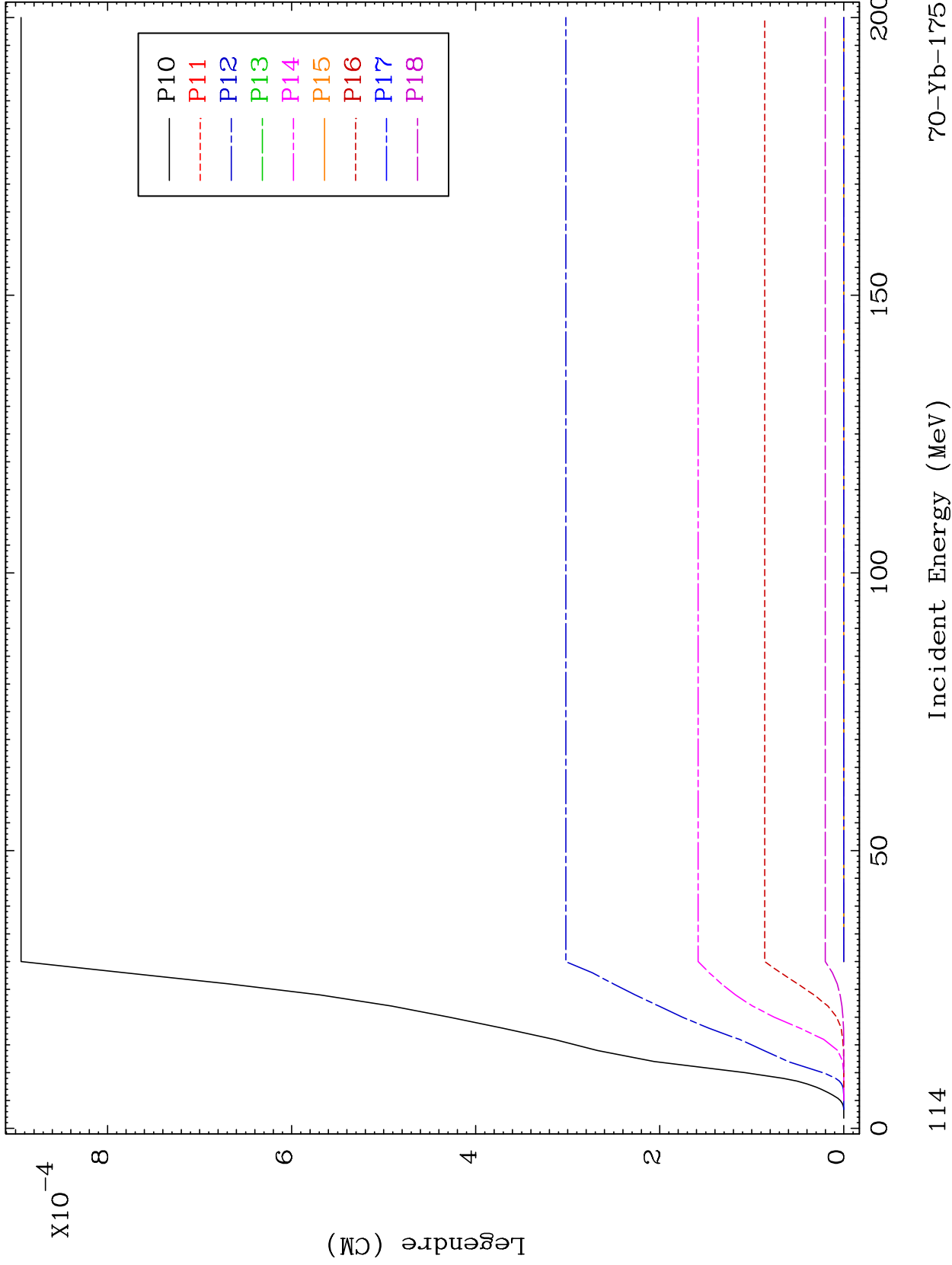




MAT 7046

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

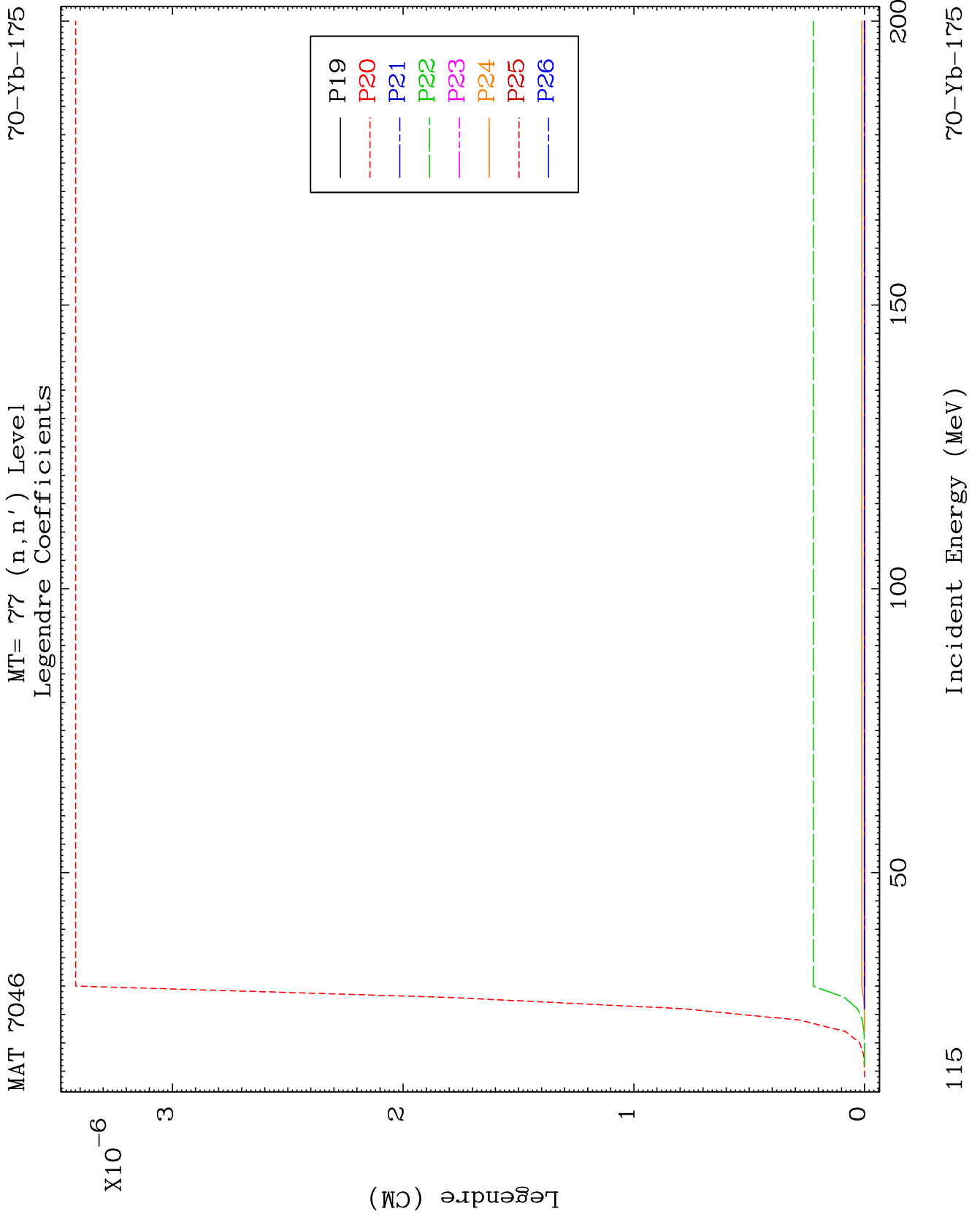
70-Yb-175

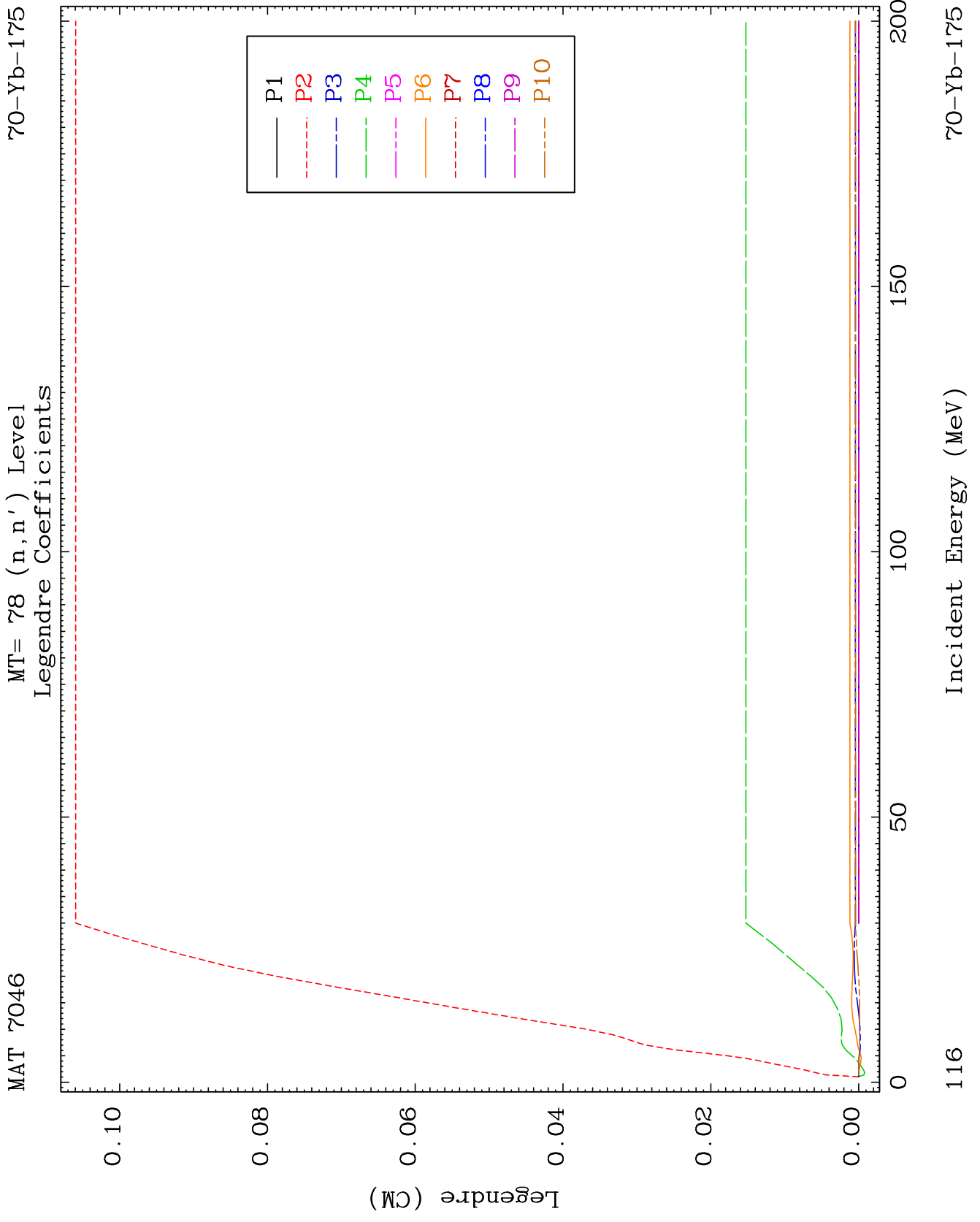


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Incident Energy (MeV)

70-Yb-175

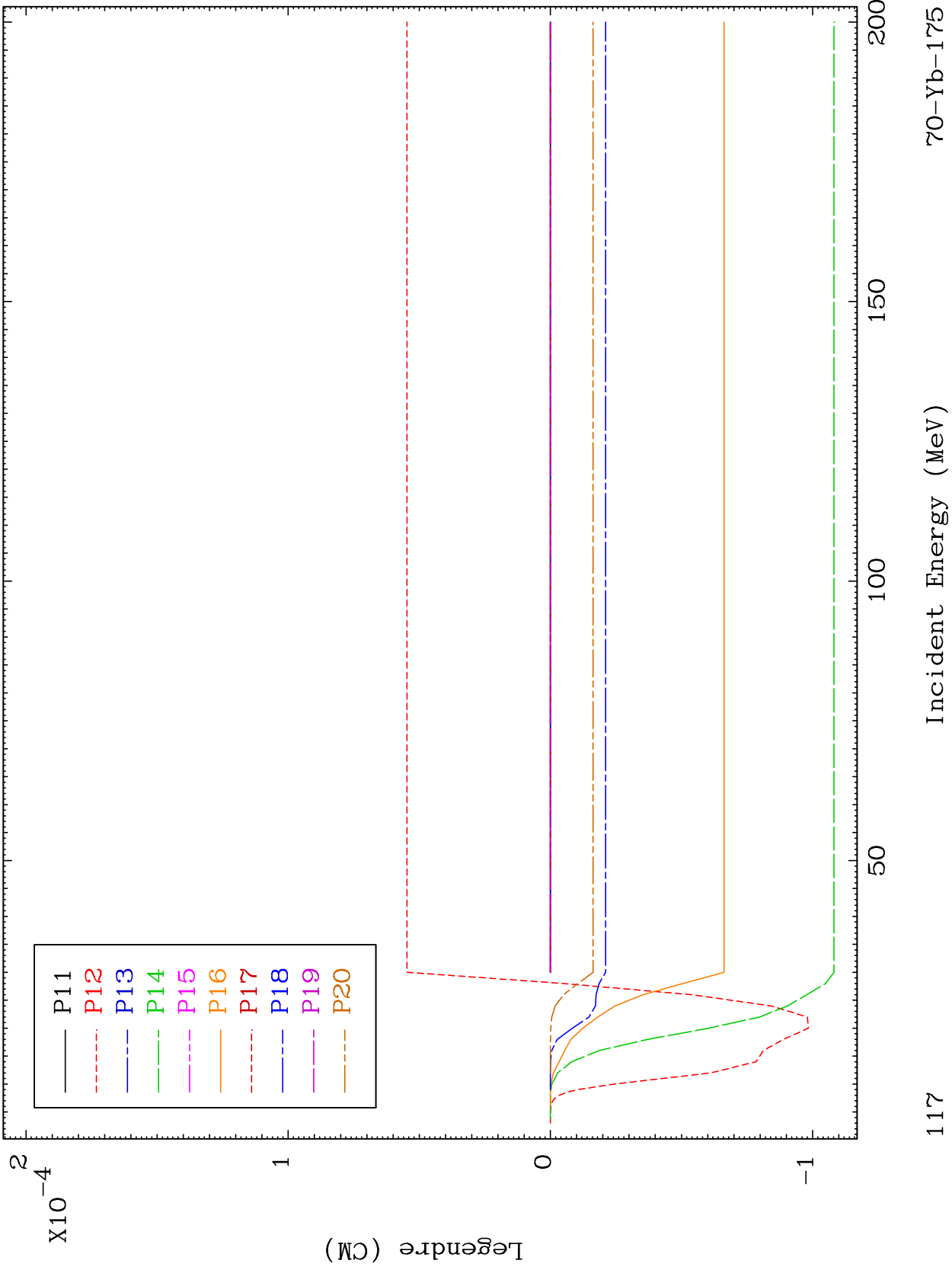




MAT 7046

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

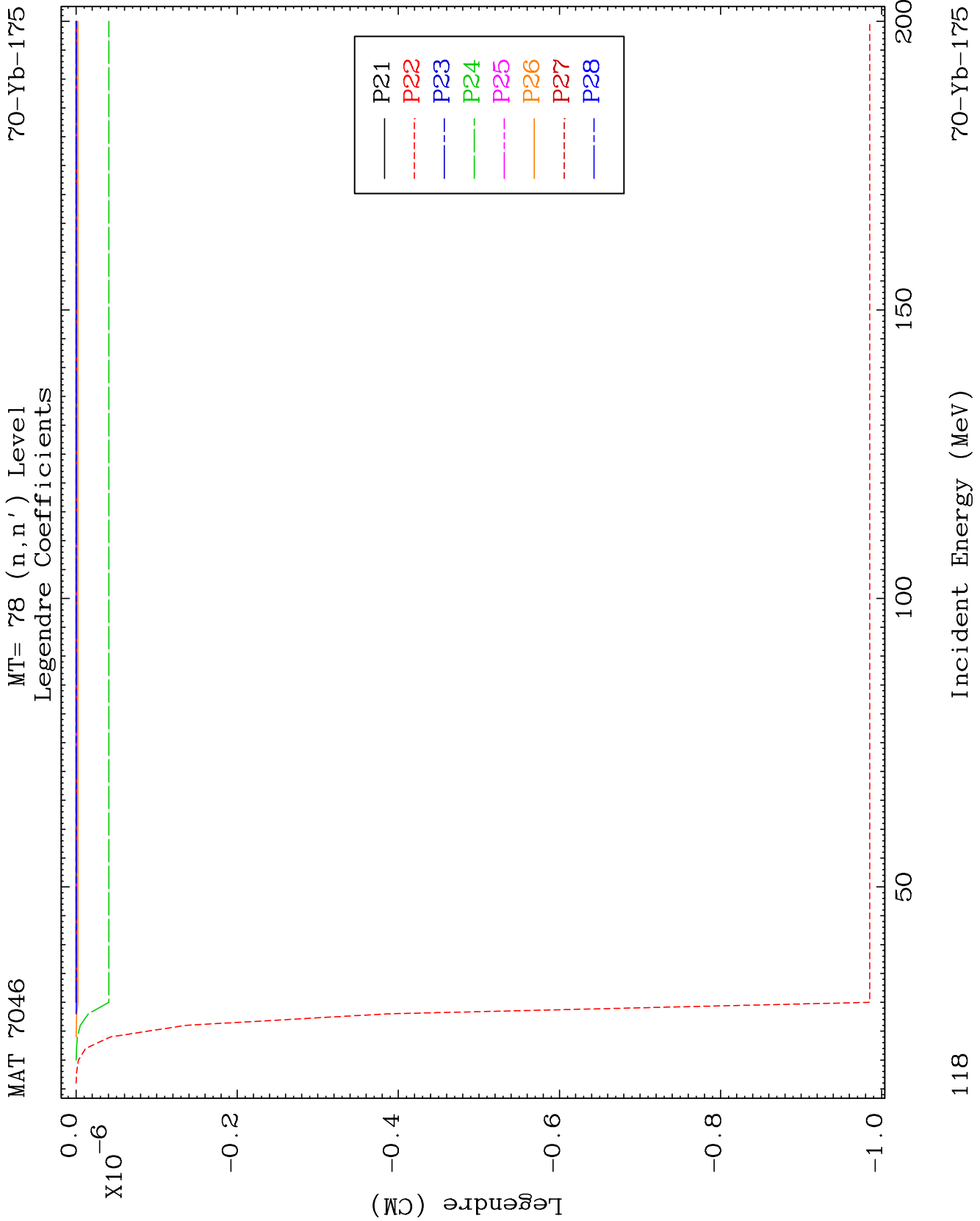
70-Yb-175

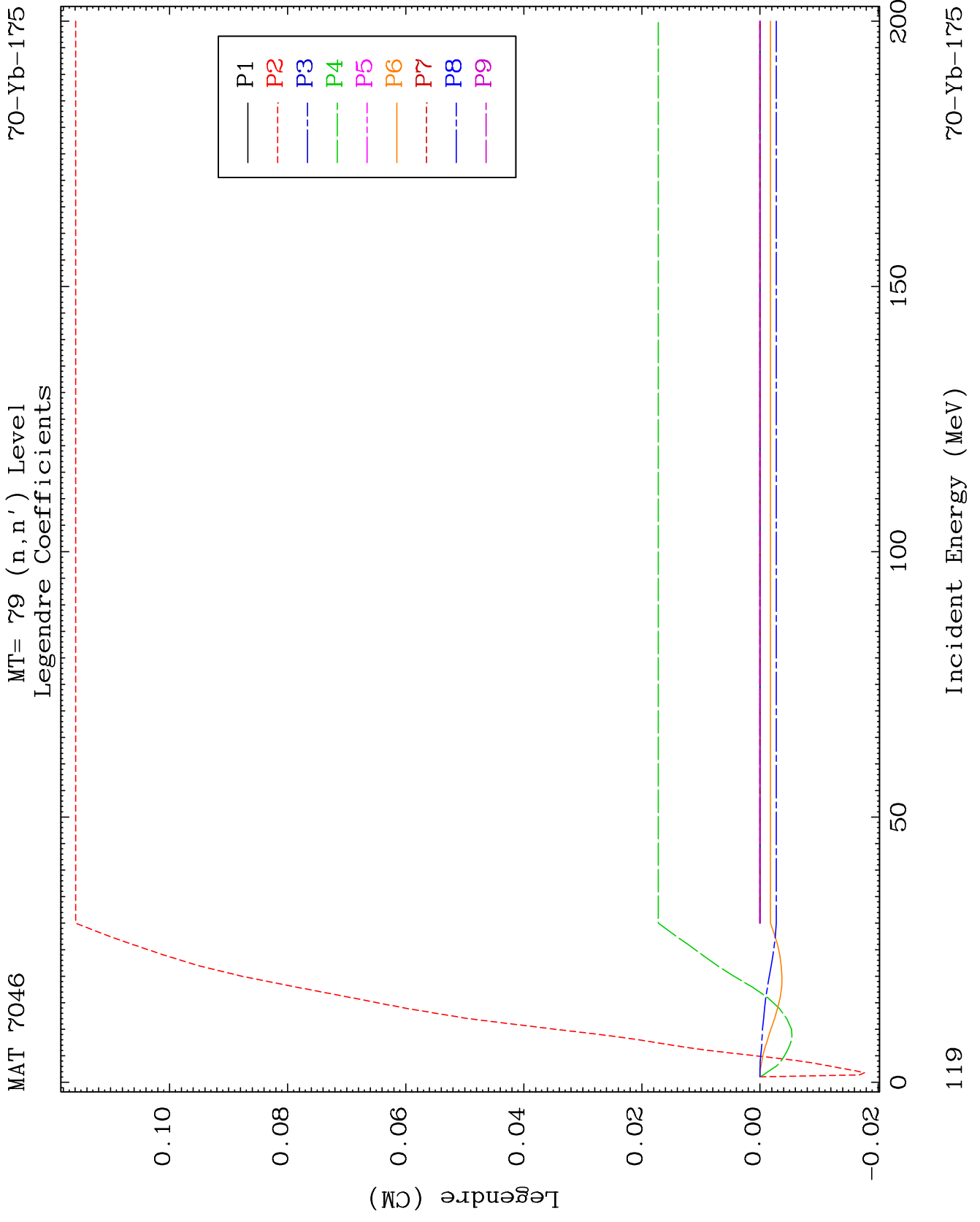


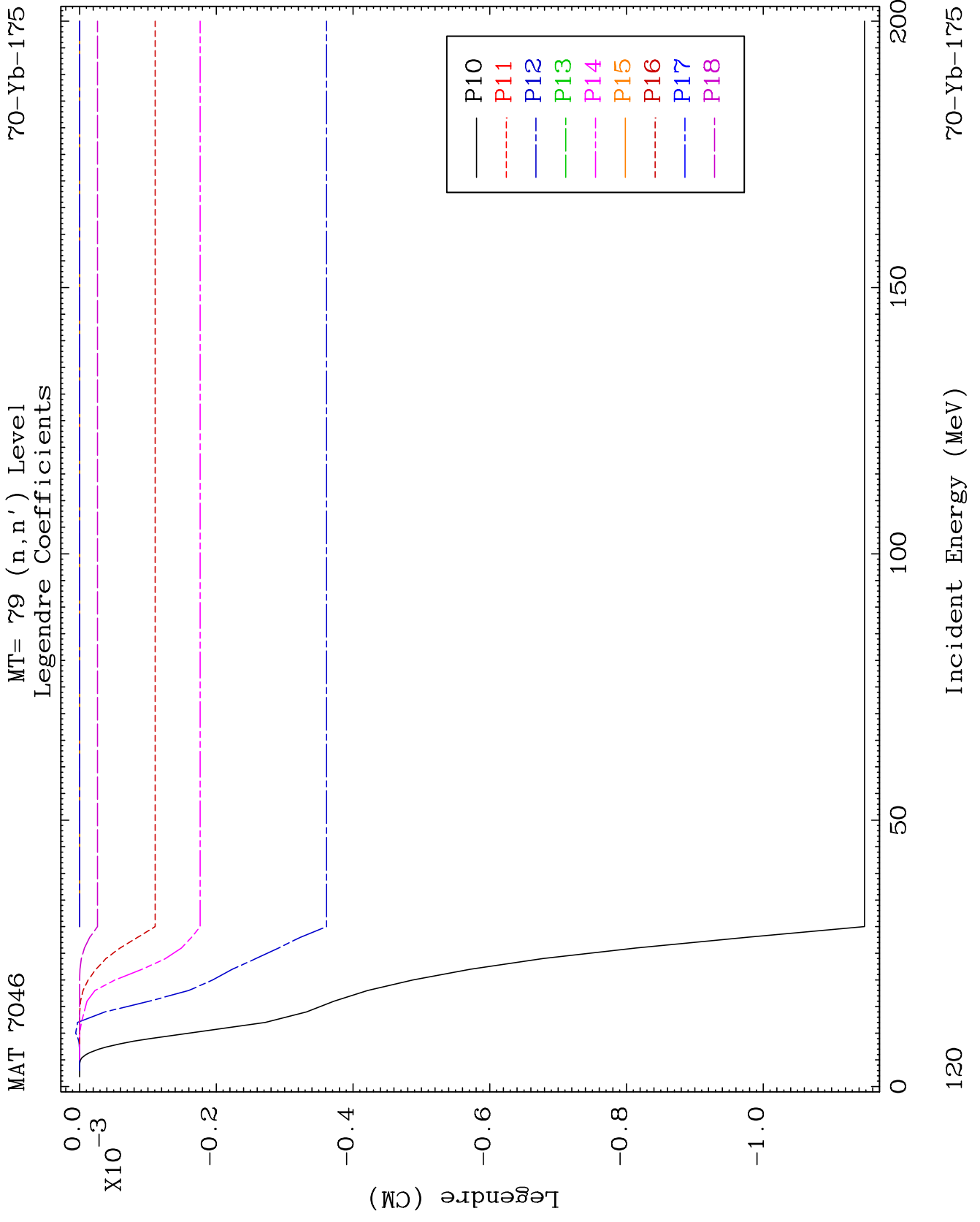
117

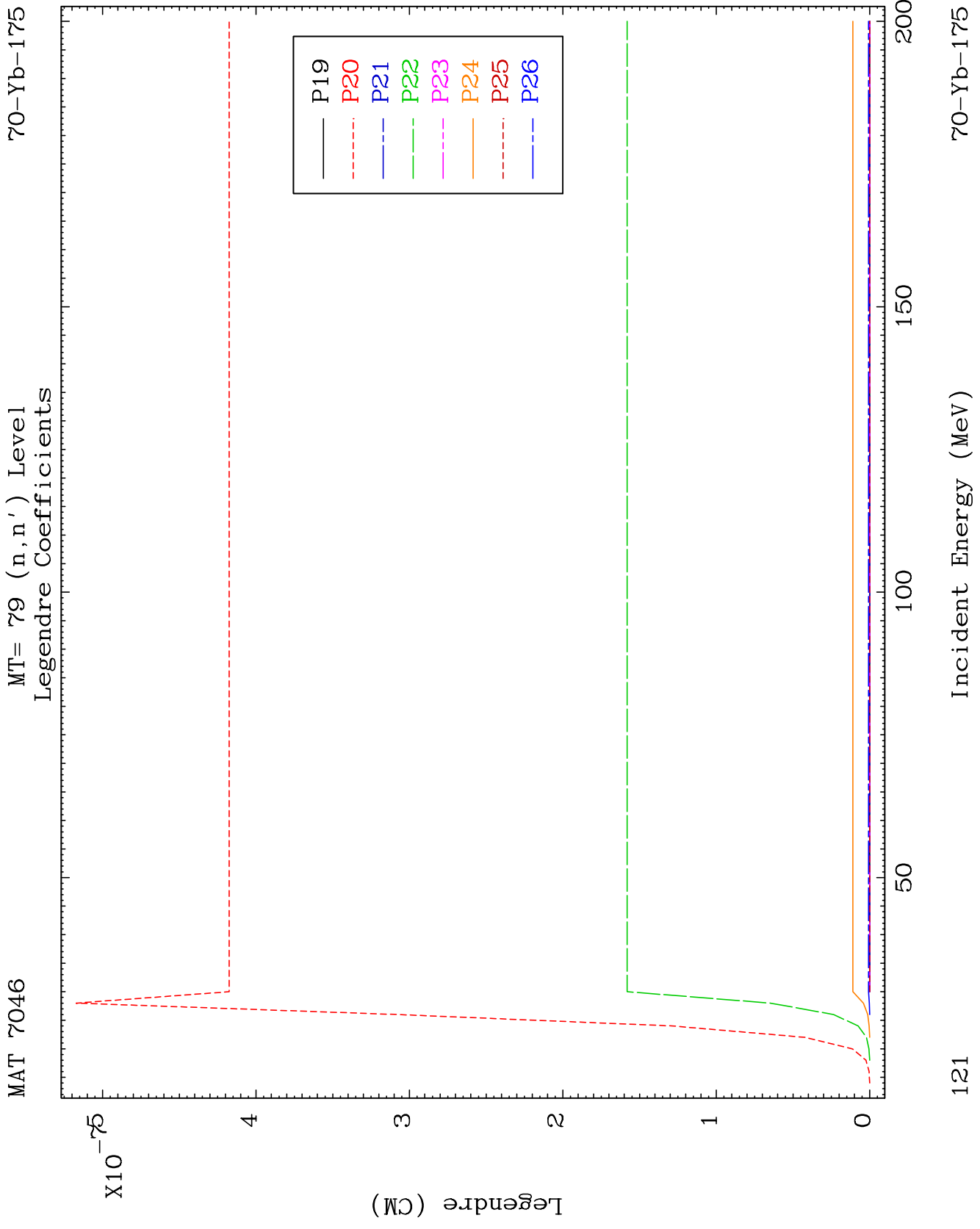
Incident Energy (MeV)

70-Yb-175









MAT 7046

$^{70}\text{Yb-175}$

Radionuclide Production Cross Section

$(n, \gamma)$

