

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

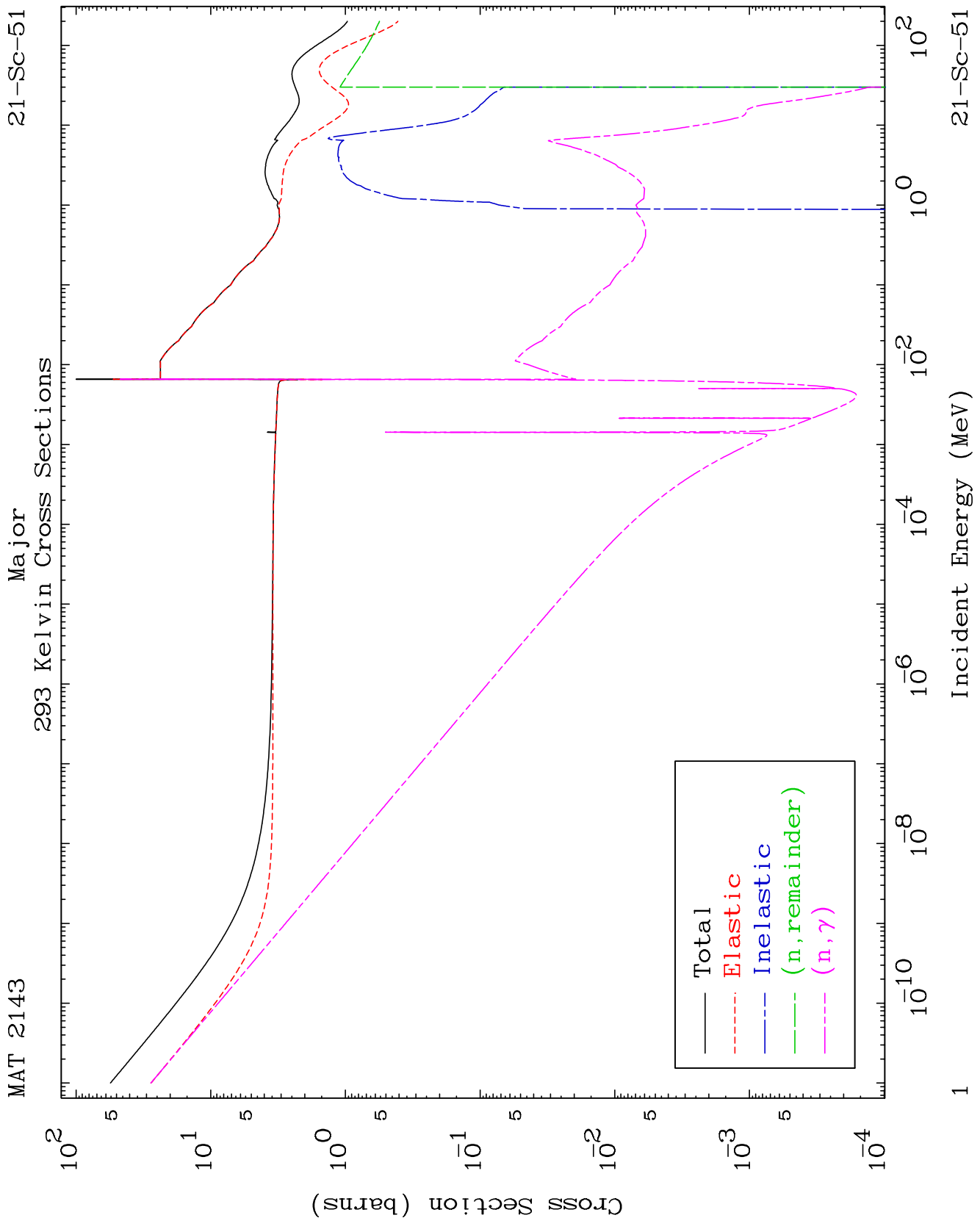
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

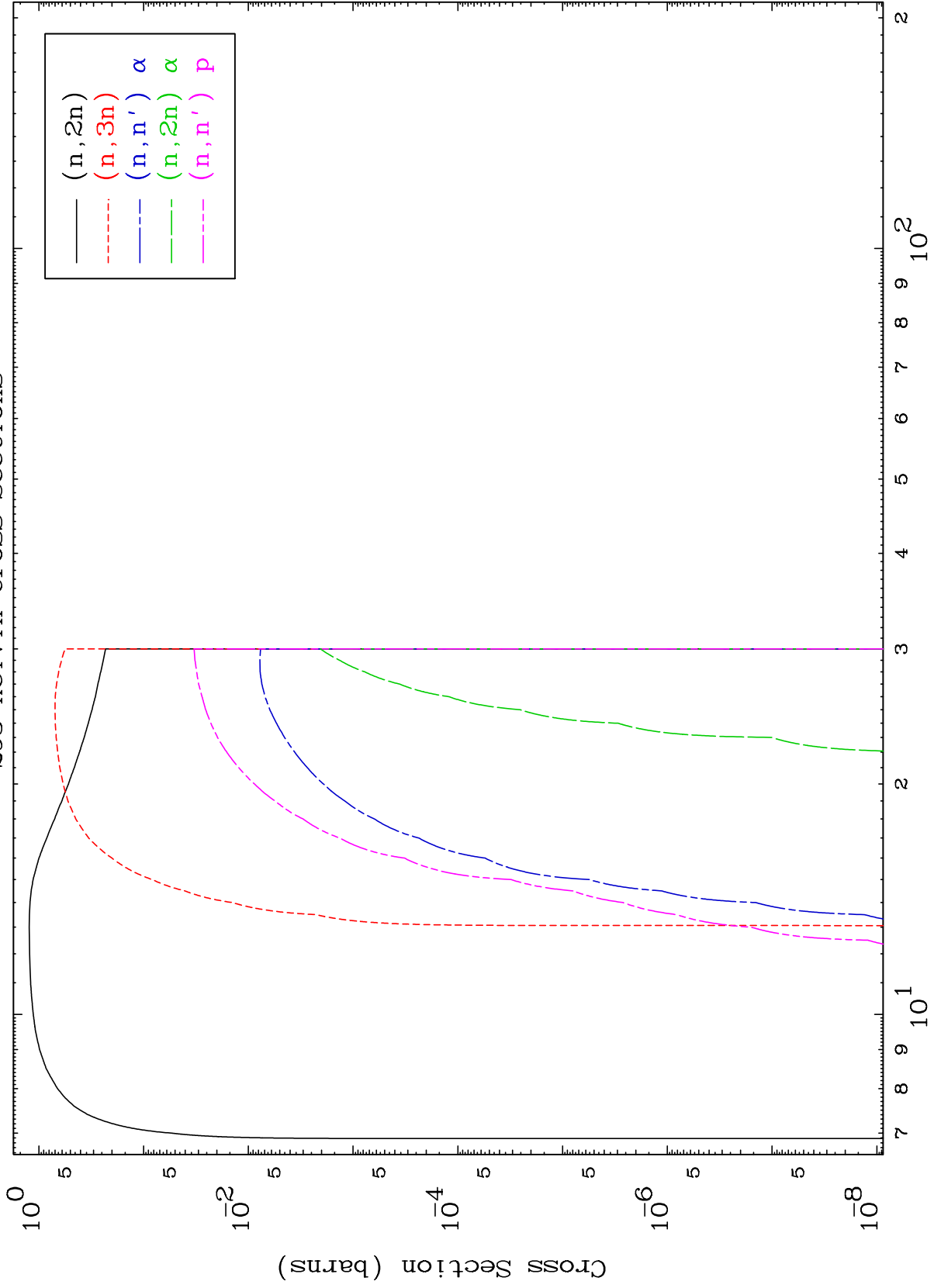
Press Mouse Button to Start



MAT 2143

Neutron Production  
293 Kelvin Cross Sections

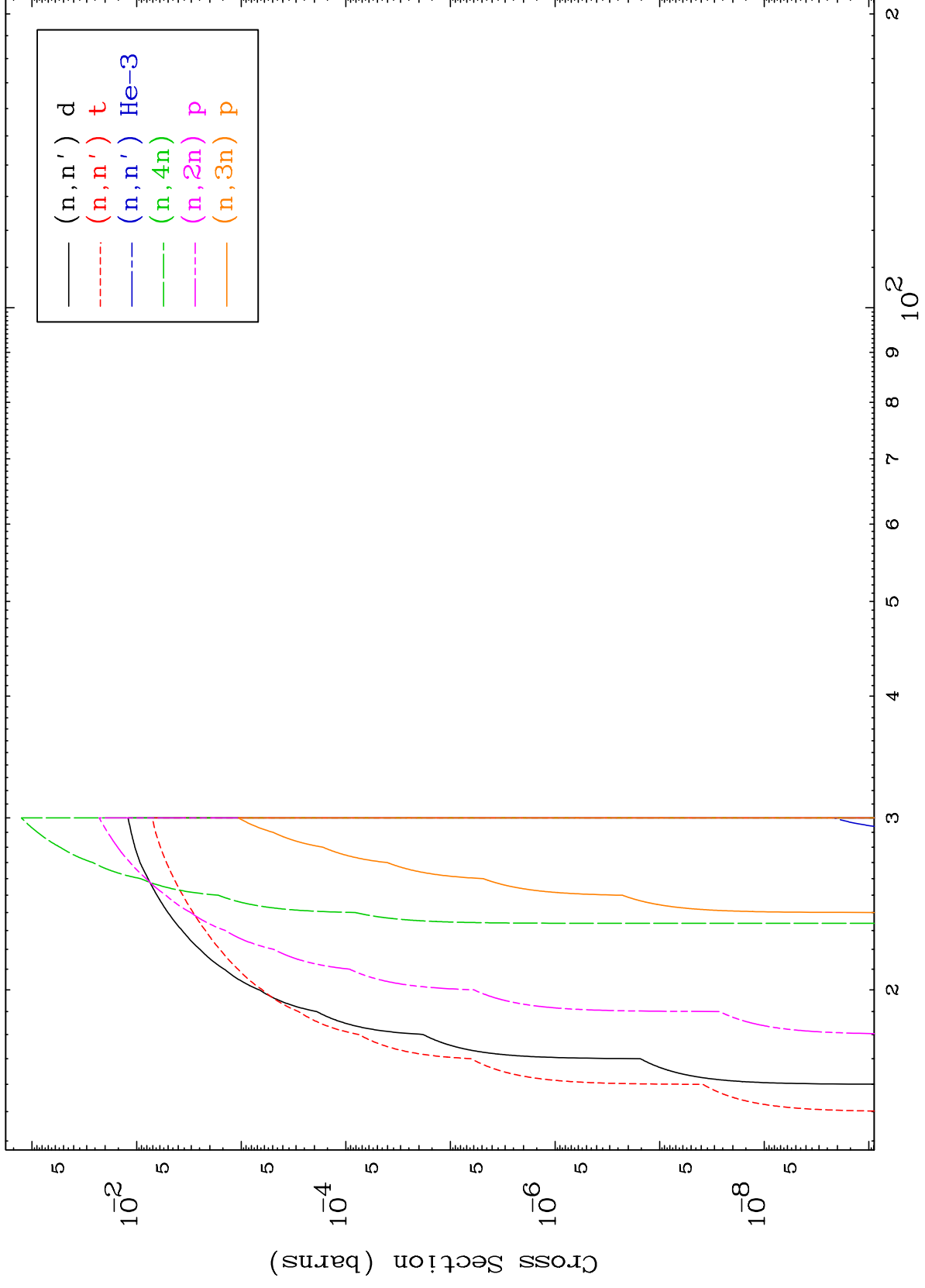
21-Sc-51



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Incident Energy (MeV)

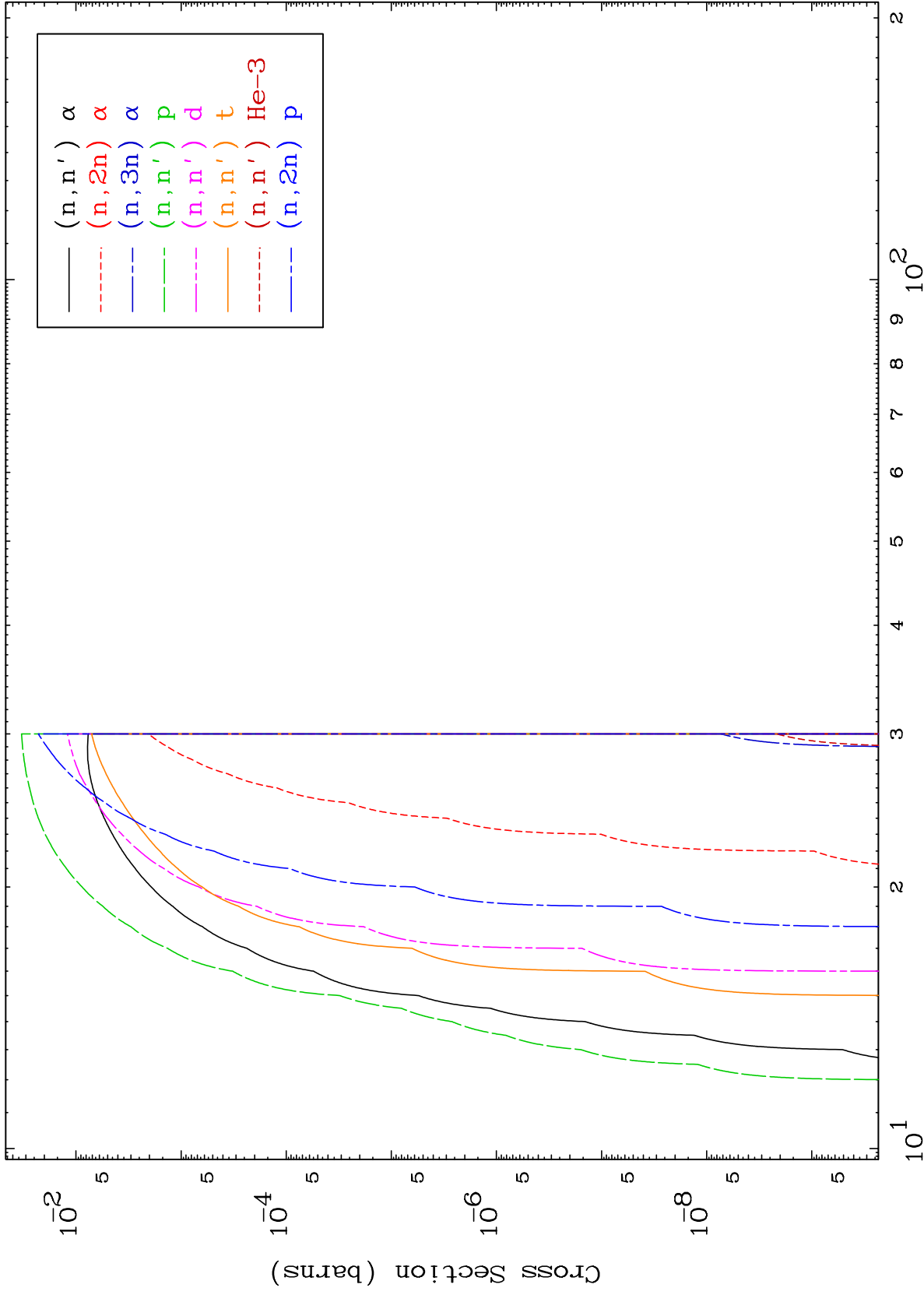
21-Sc-51



MAT 2143

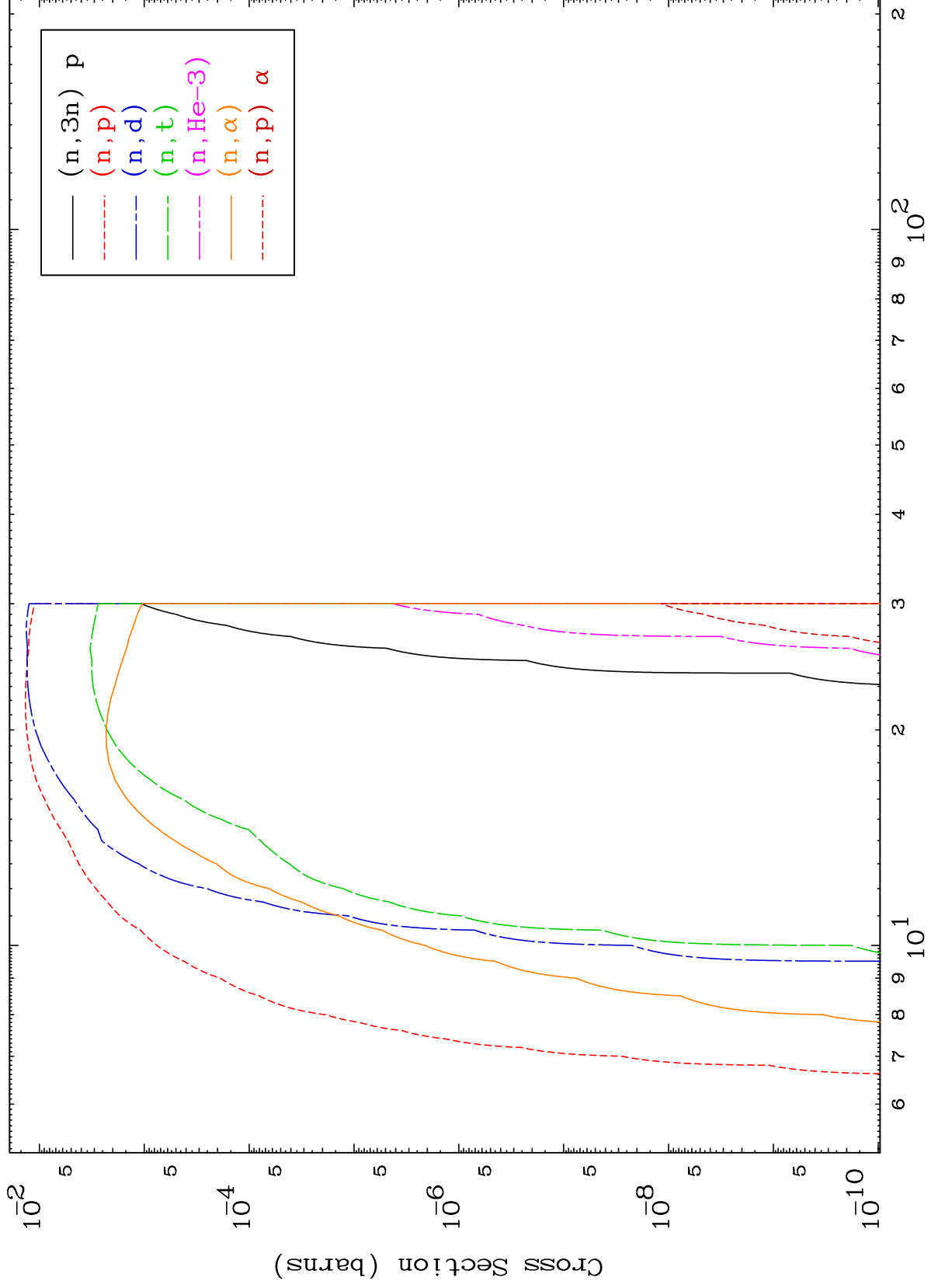
Charged Particle  
293 Kelvin Cross Sections

21-Sc-51



Incident Energy (MeV)

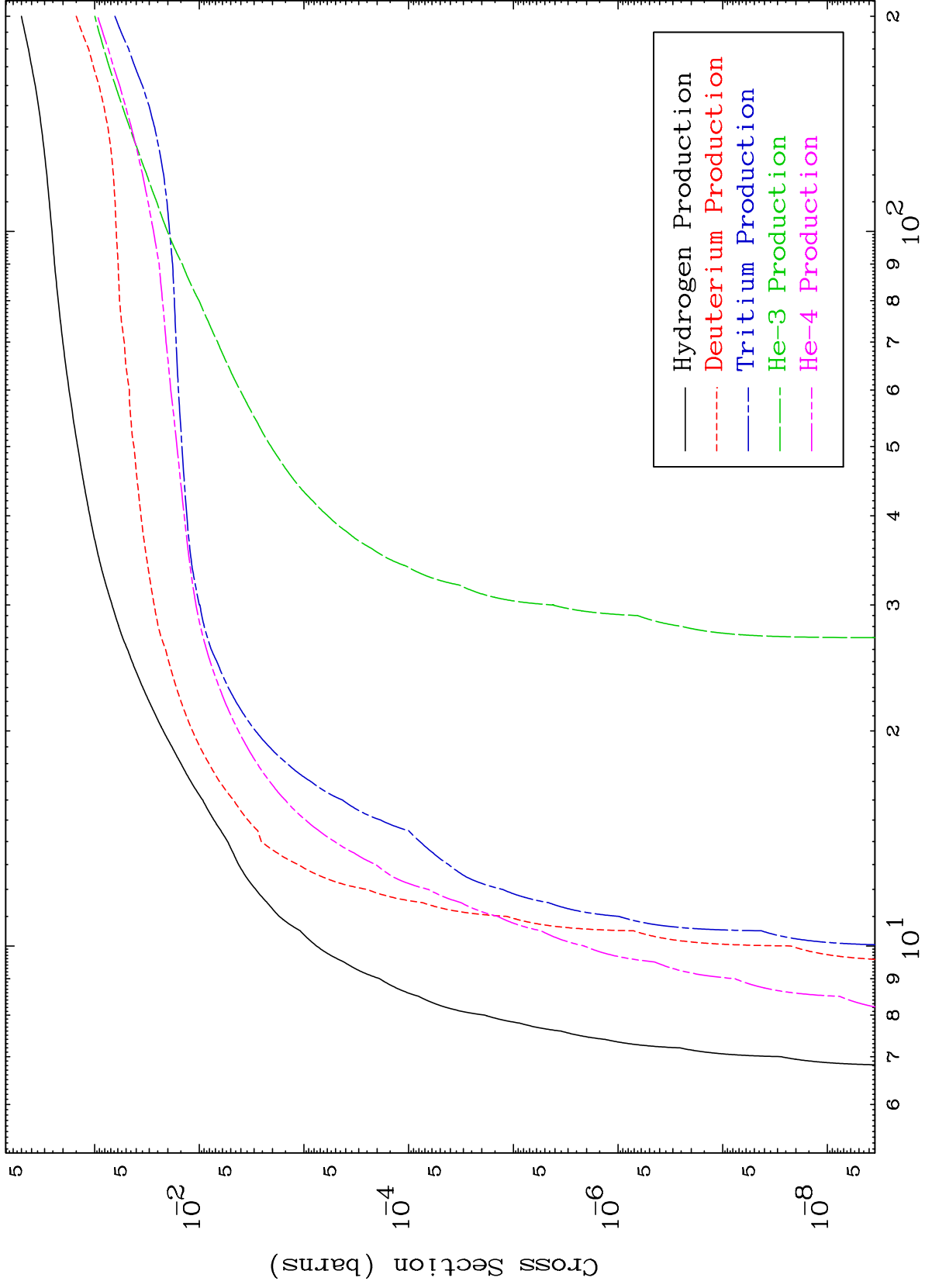
21-Sc-51



MAT 2143

Particle Production  
293 Kelvin Cross Sections

21-Sc-51



6

Incident Energy (MeV)

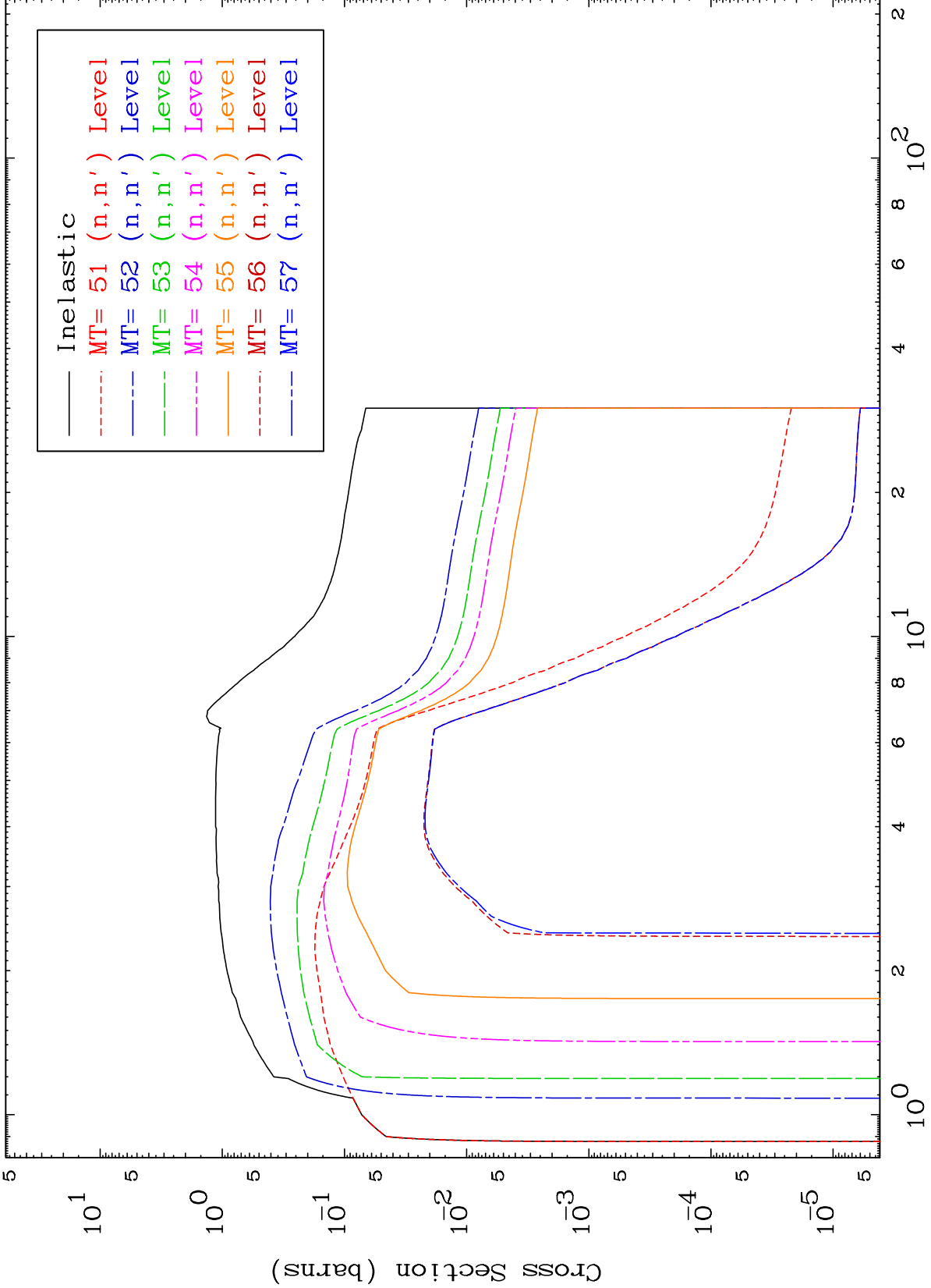
21-Sc-51

MAT 2143

(n,n') Level

21-Sc-51

293 Kelvin Cross Sections



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Incident Energy (MeV)

21-Sc-51

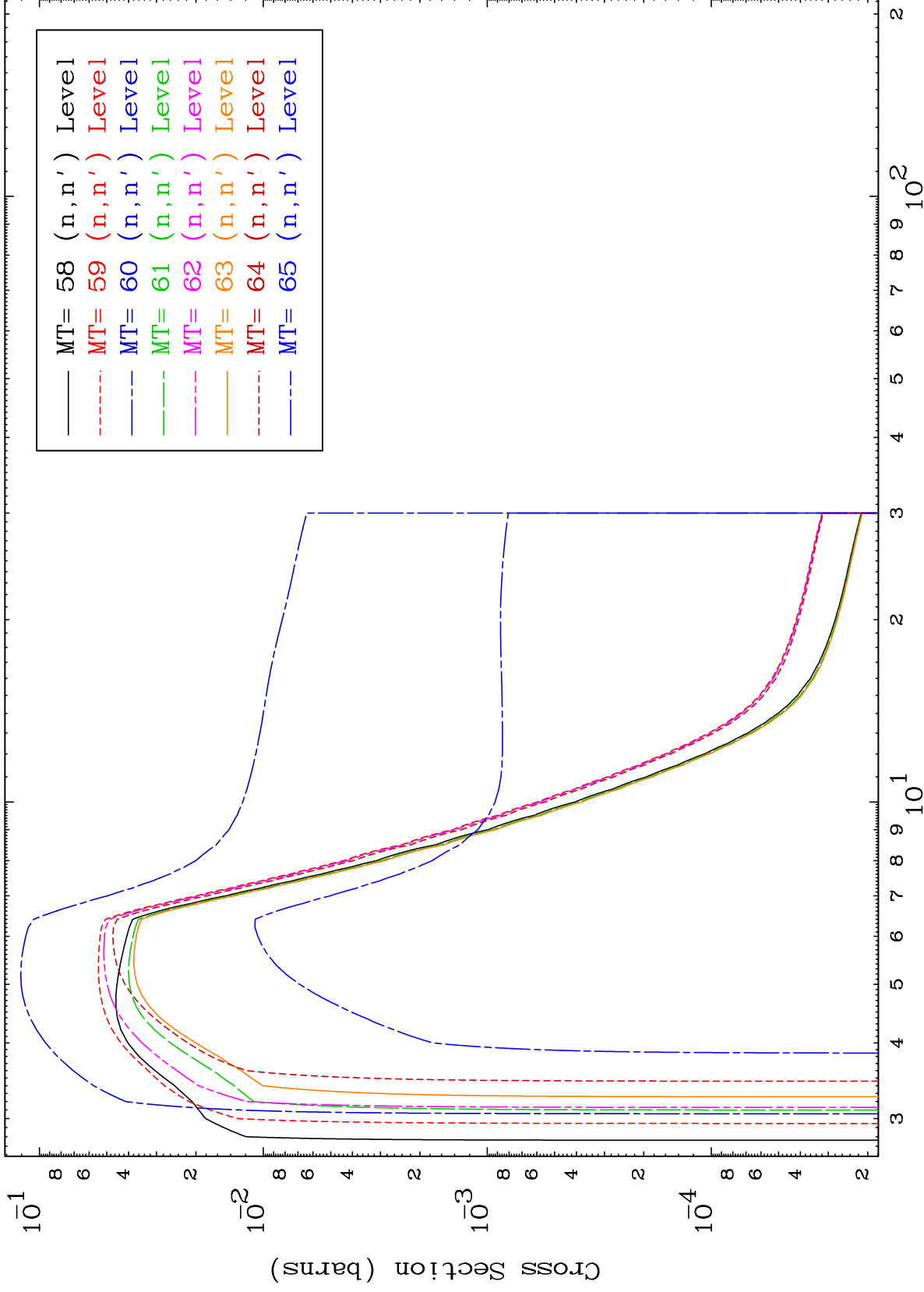


MAT 2143

(n,n') Level

21-Sc-51

293 Kelvin Cross Sections



8

Incident Energy (MeV)

21-Sc-51

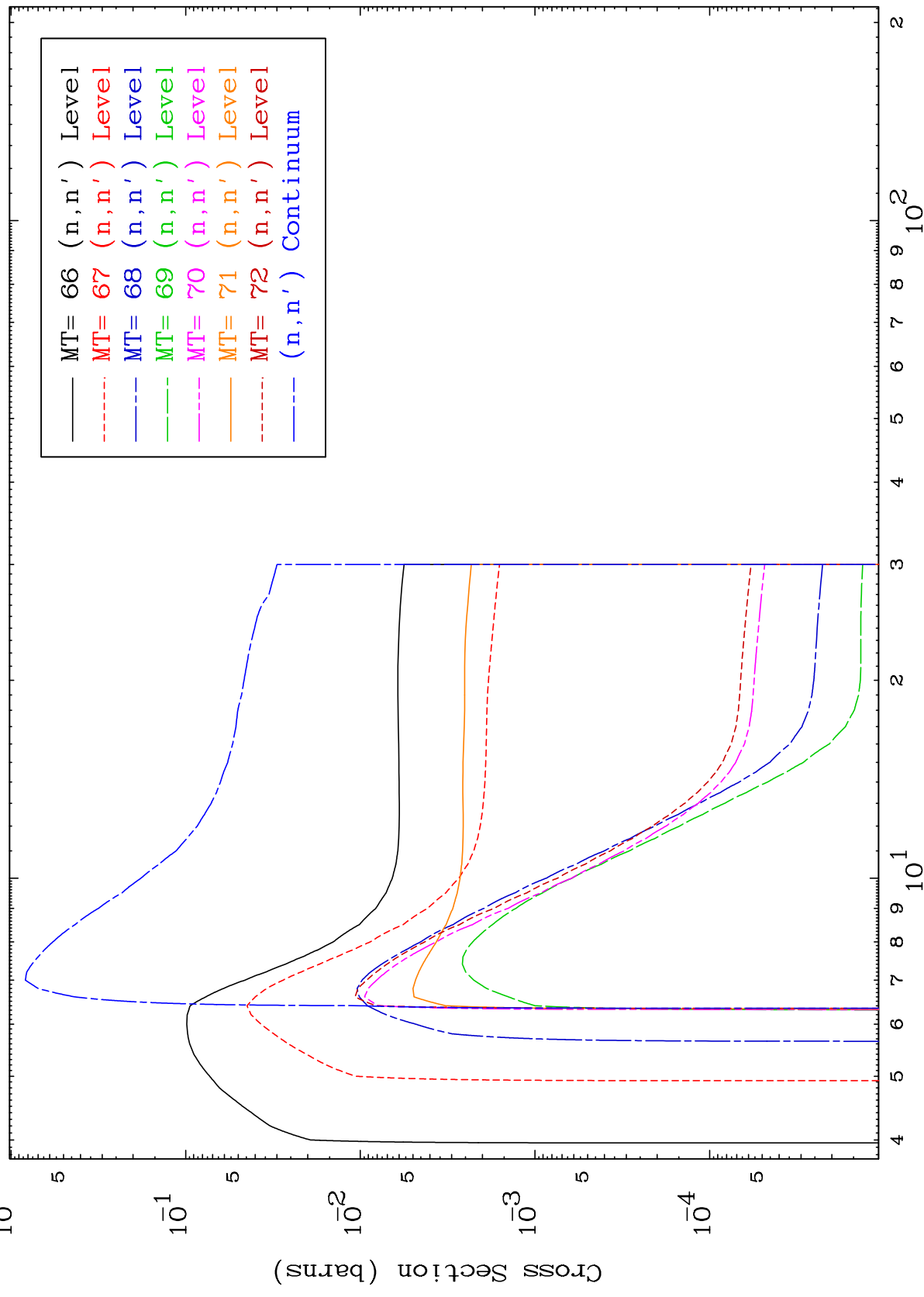
MAT 2143

(n,n') Level

21-Sc-51

293 Kelvin Cross Sections

21-Sc-51



Incident Energy (MeV)

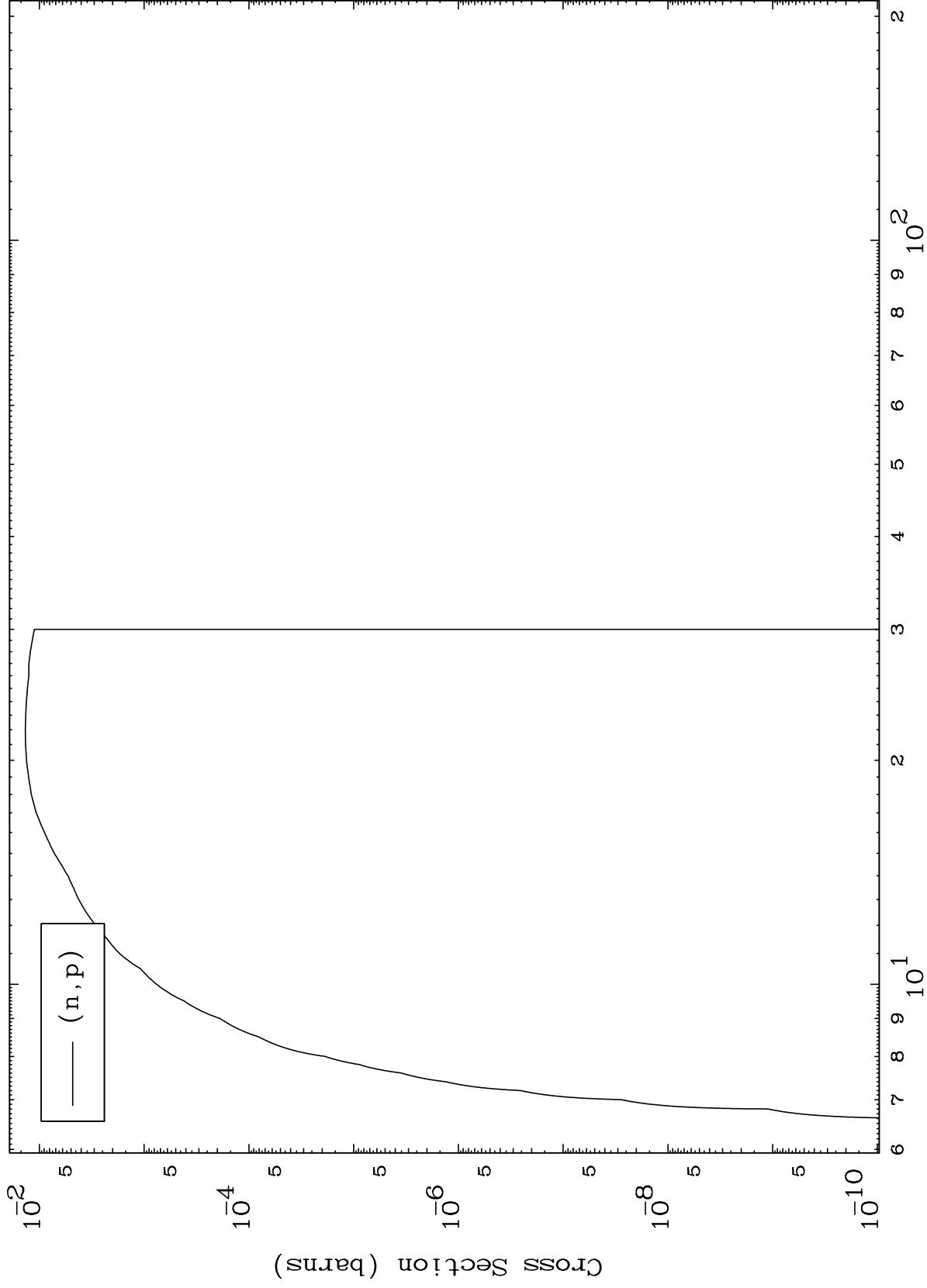
21-Sc-51

9

MAT 2143

(n,p) Levels  
293 Kelvin Cross Sections

21-Sc-51



21-Sc-51

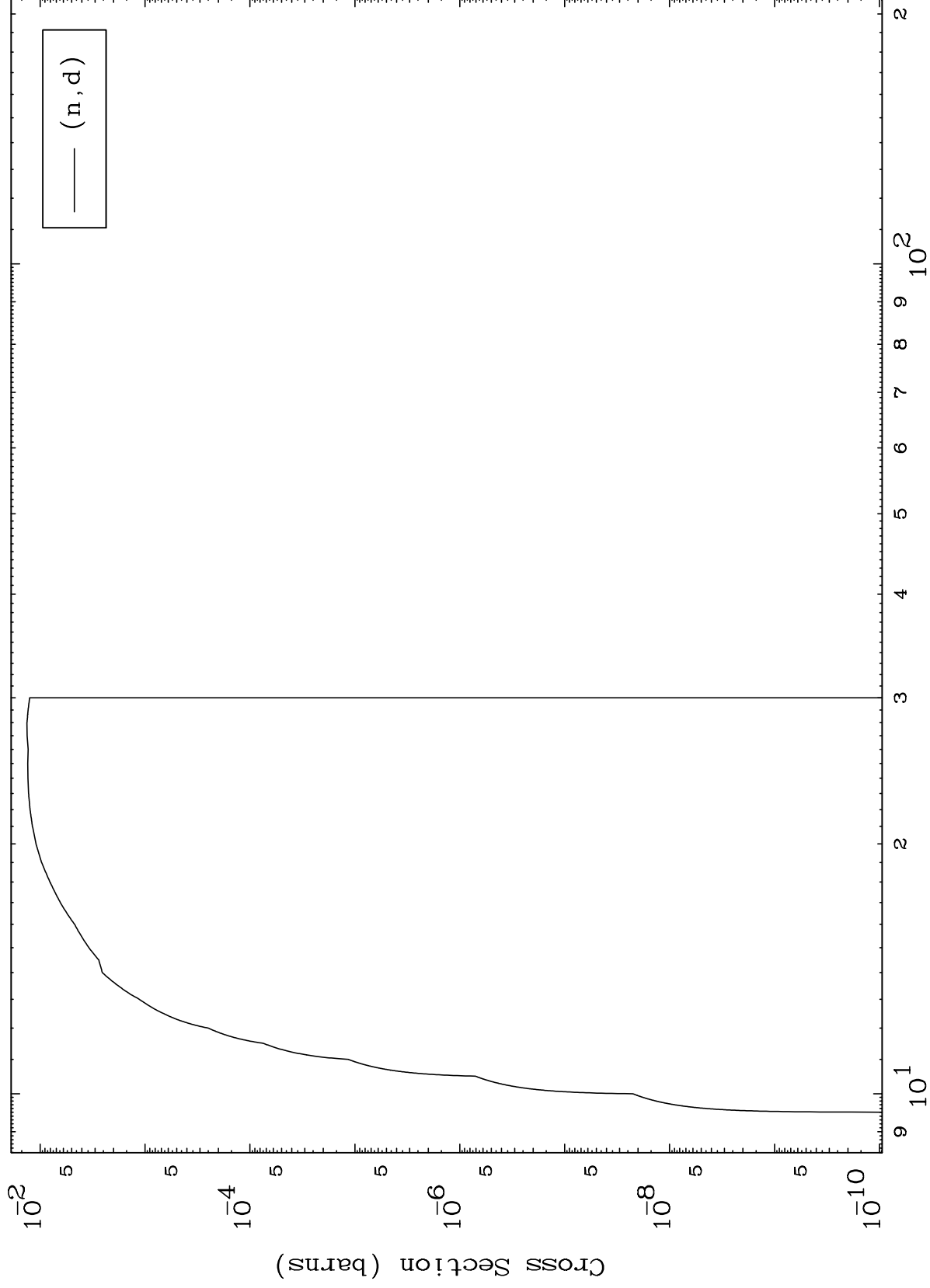
Incident Energy (MeV)

10

MAT 2143

(n,d) Levels  
293 Kelvin Cross Sections

21-Sc-51



11

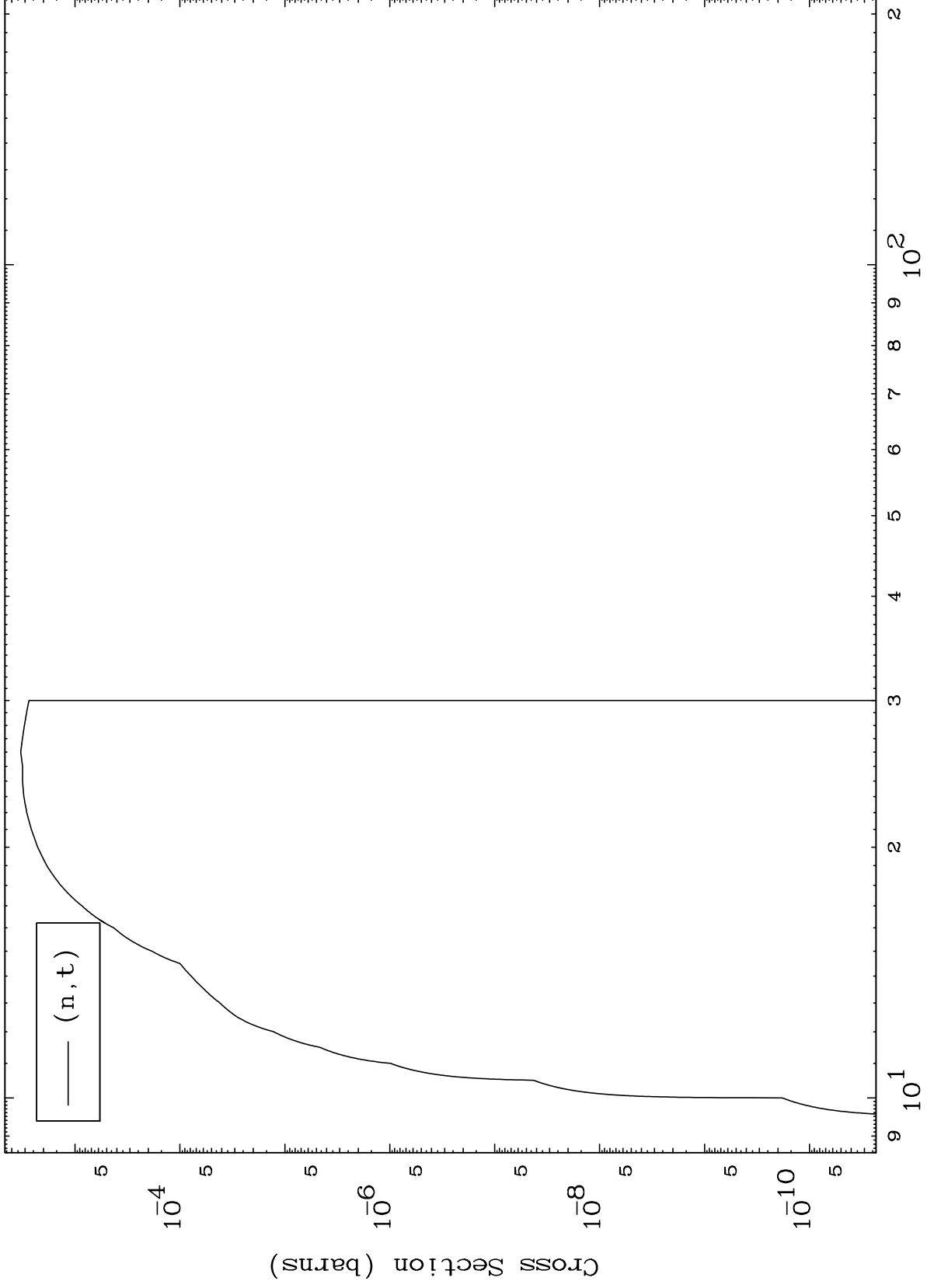
Incident Energy (MeV)

21-Sc-51

MAT 2143

(n,t) Levels  
293 Kelvin Cross Sections

21-Sc-51



12

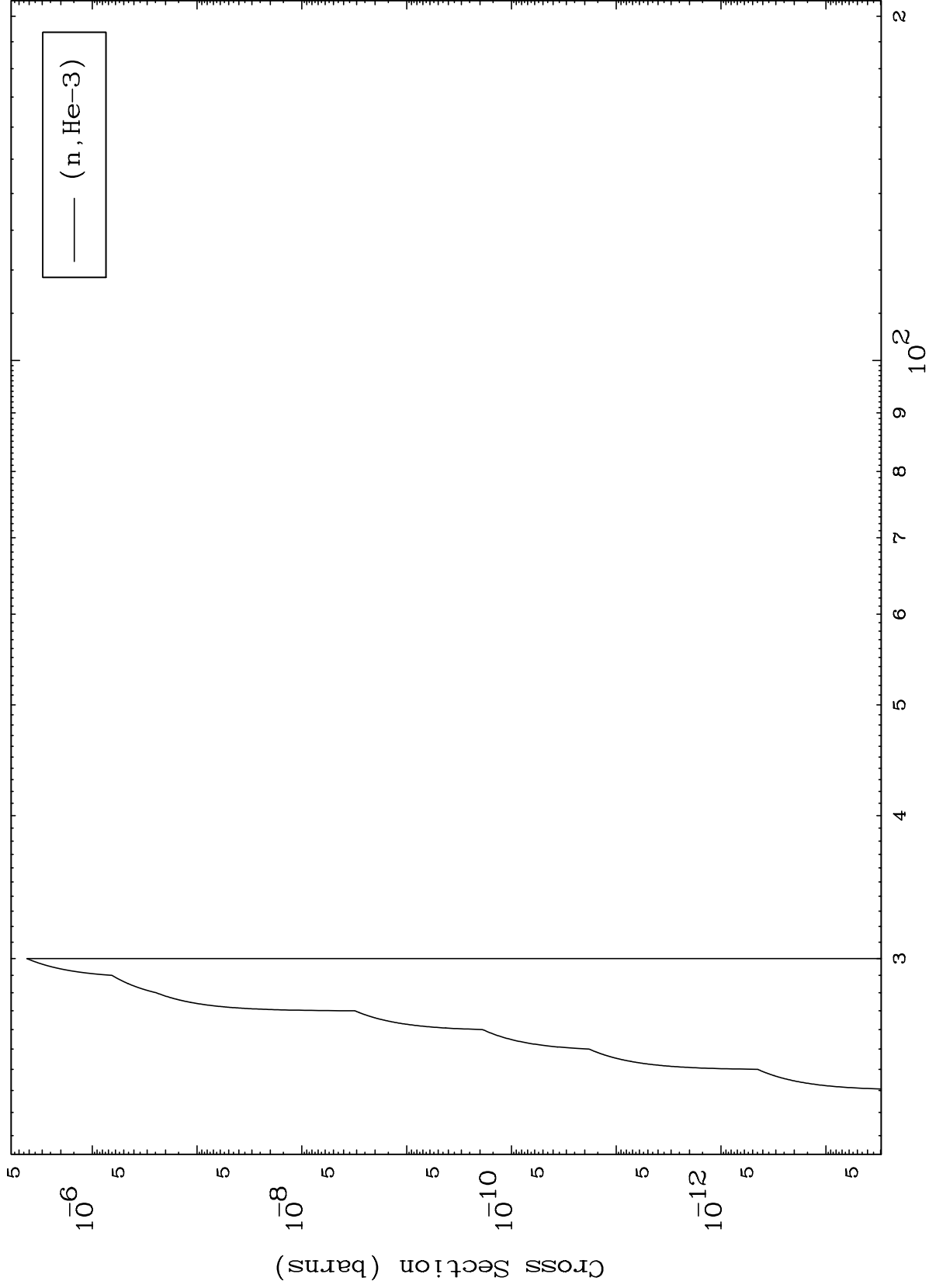
Incident Energy (MeV)

21-Sc-51

MAT 2143

(n,He3) Levels  
293 Kelvin Cross Sections

21-Sc-51



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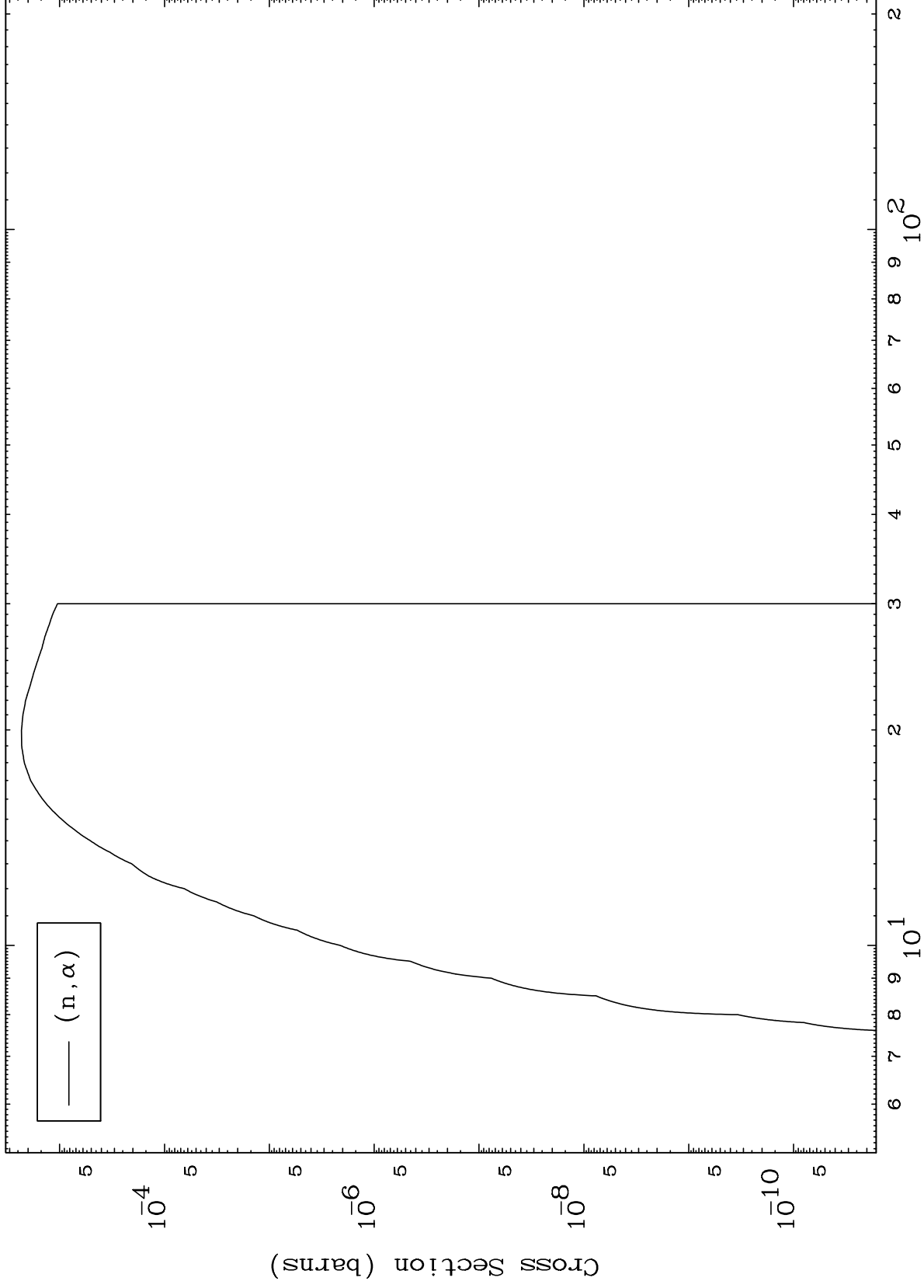
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

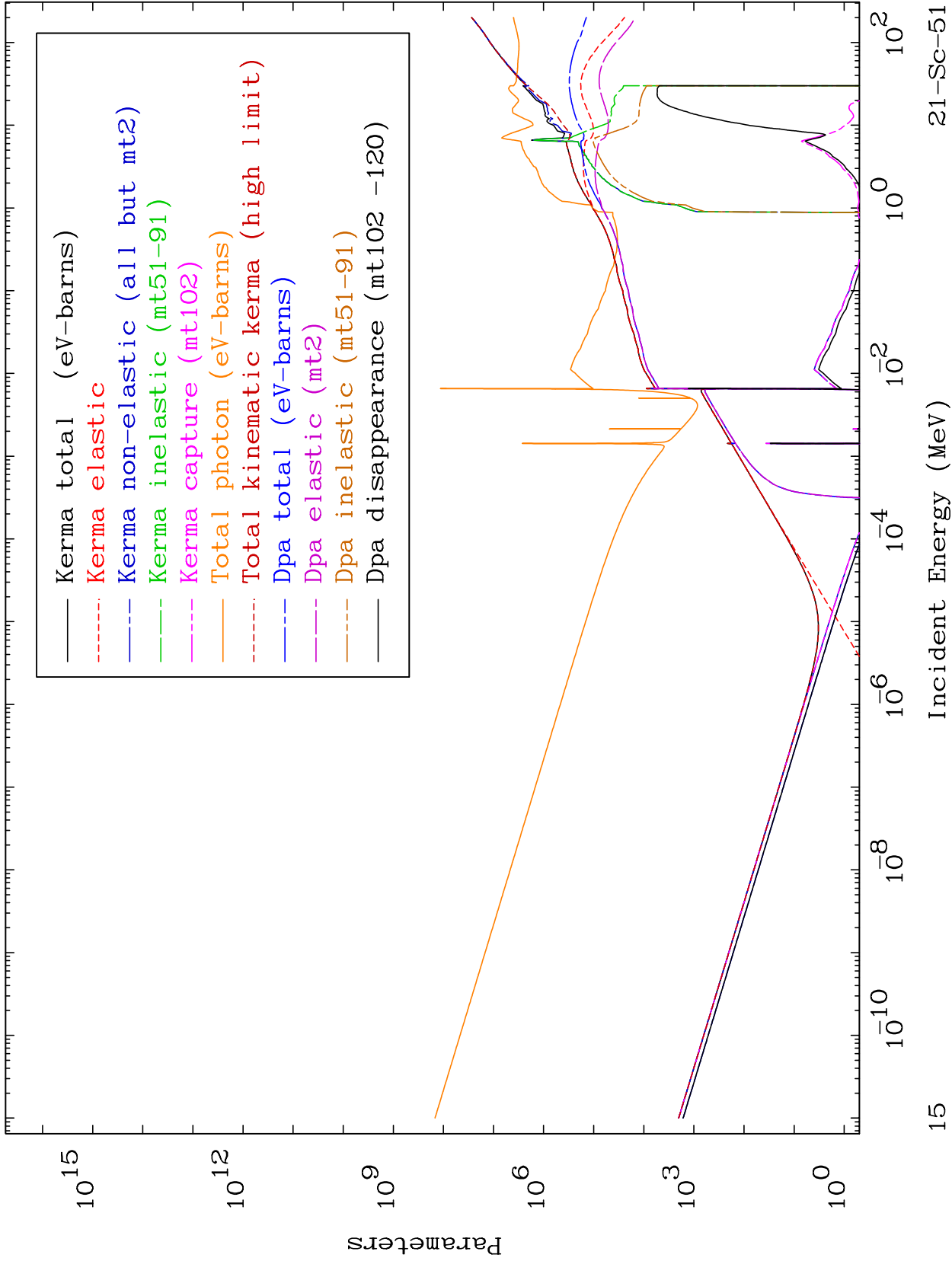
21-Sc-51



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Incident Energy (MeV)

21-Sc-51

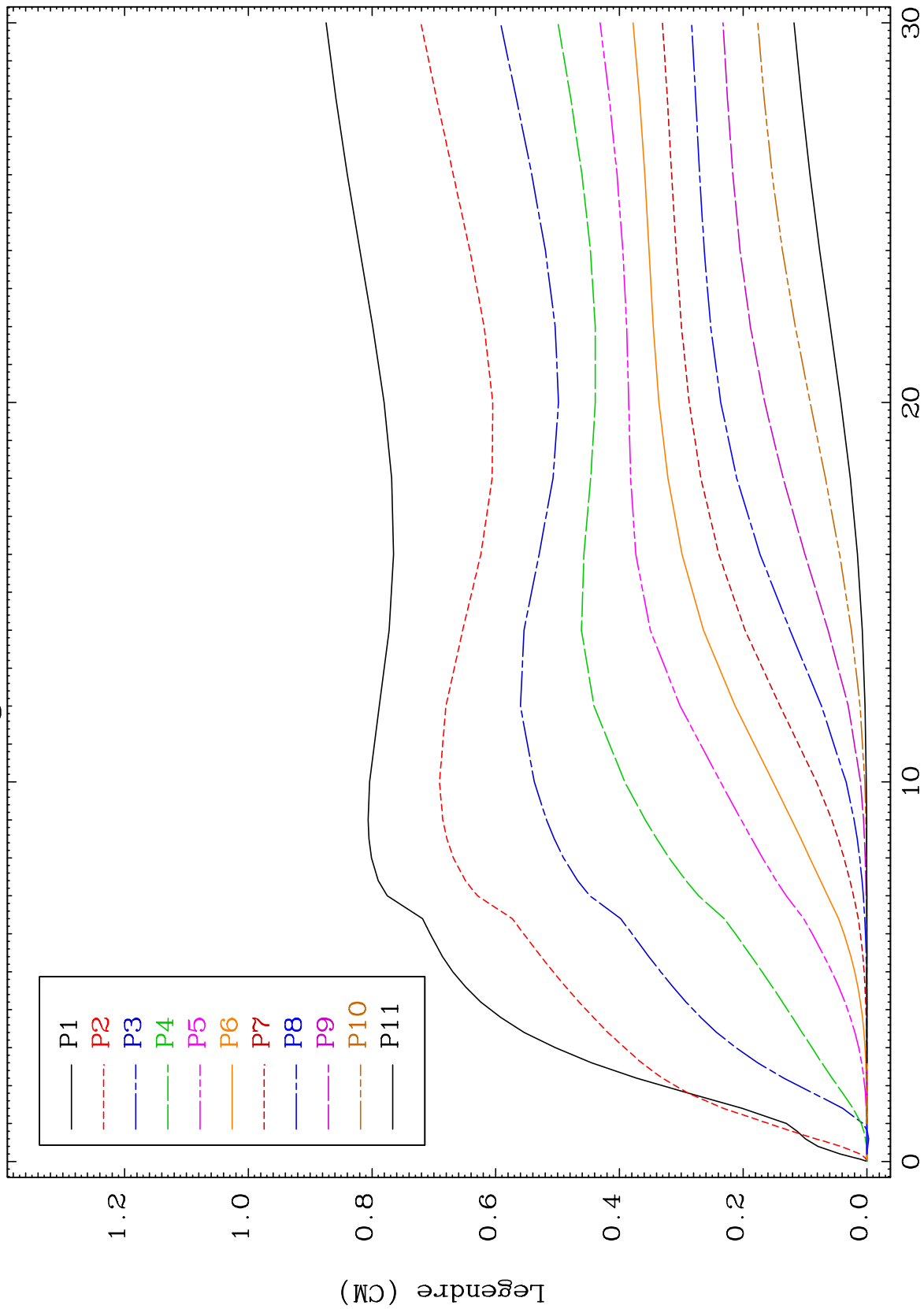




MAT 2143

Elastic Legendre Coefficients

21-Sc-51



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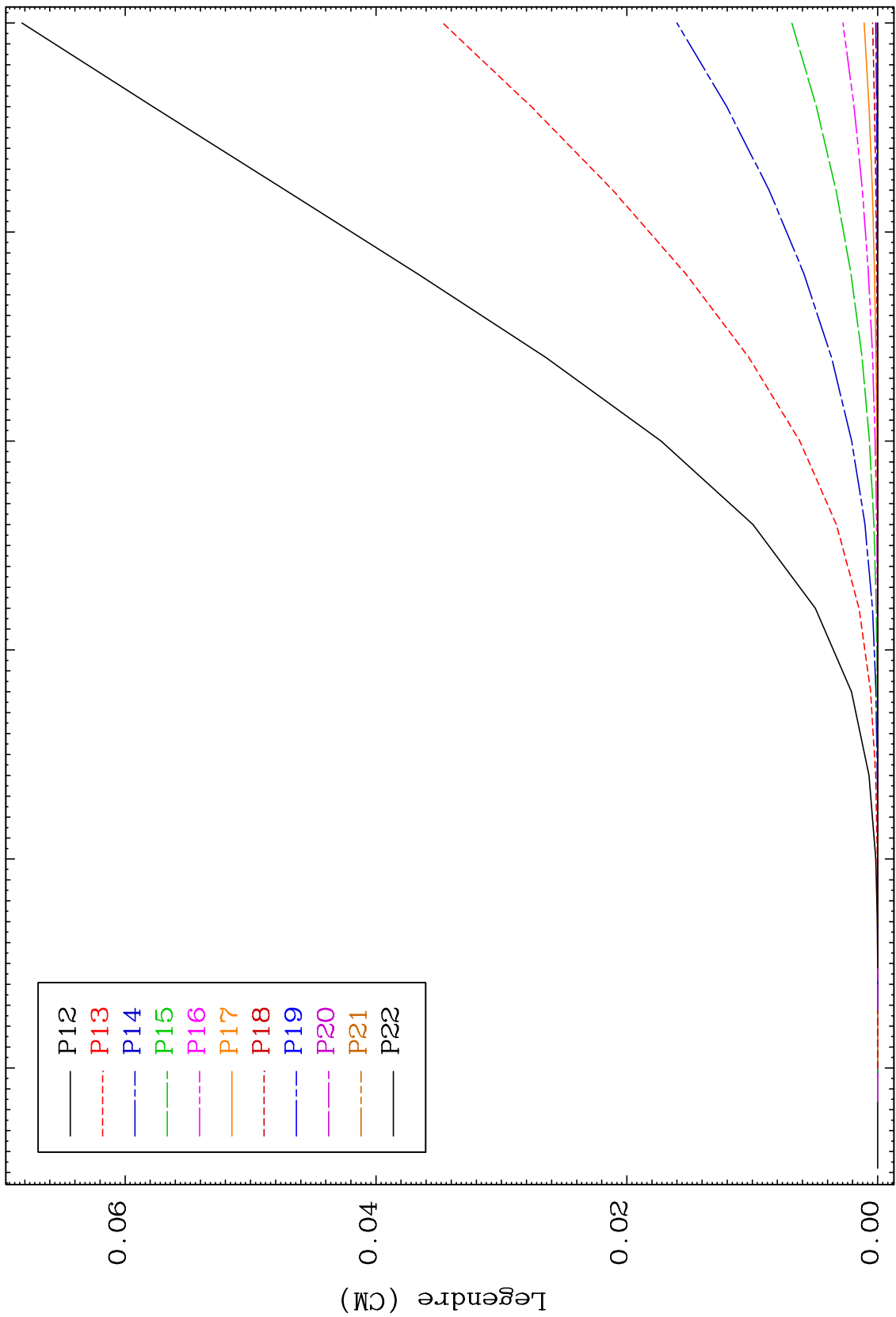
Incident Energy (MeV)

21-Sc-51

MAT 2143

Elastic Legendre Coefficients

21-Sc-51



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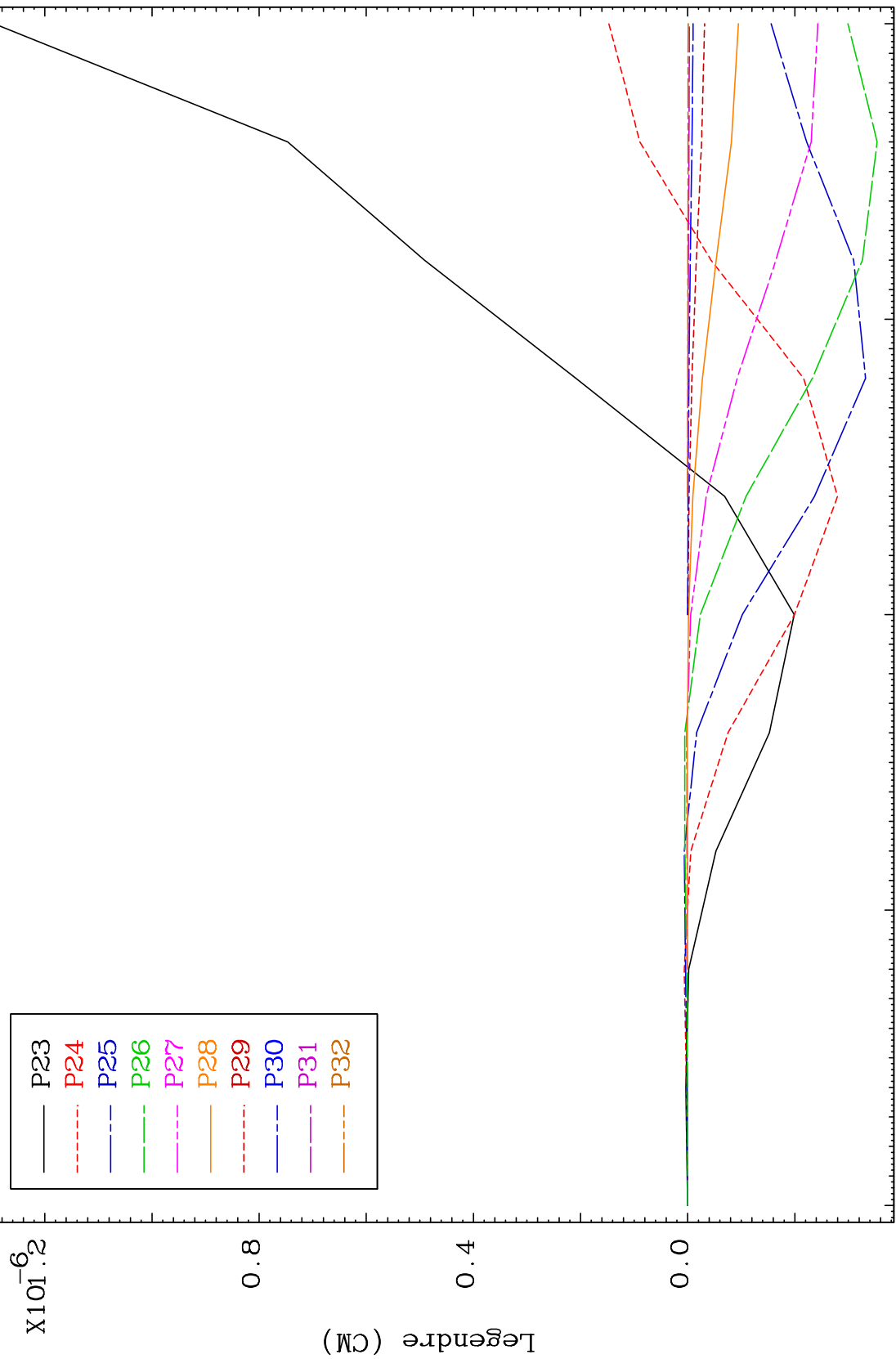
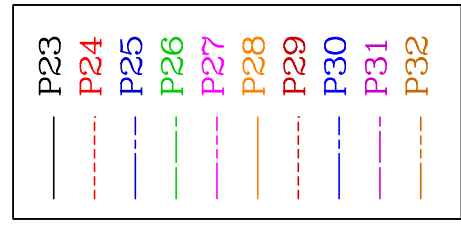
21-Sc-51

Incident Energy (MeV)

MAT 2143

Elastic Legendre Coefficients

21-Sc-51



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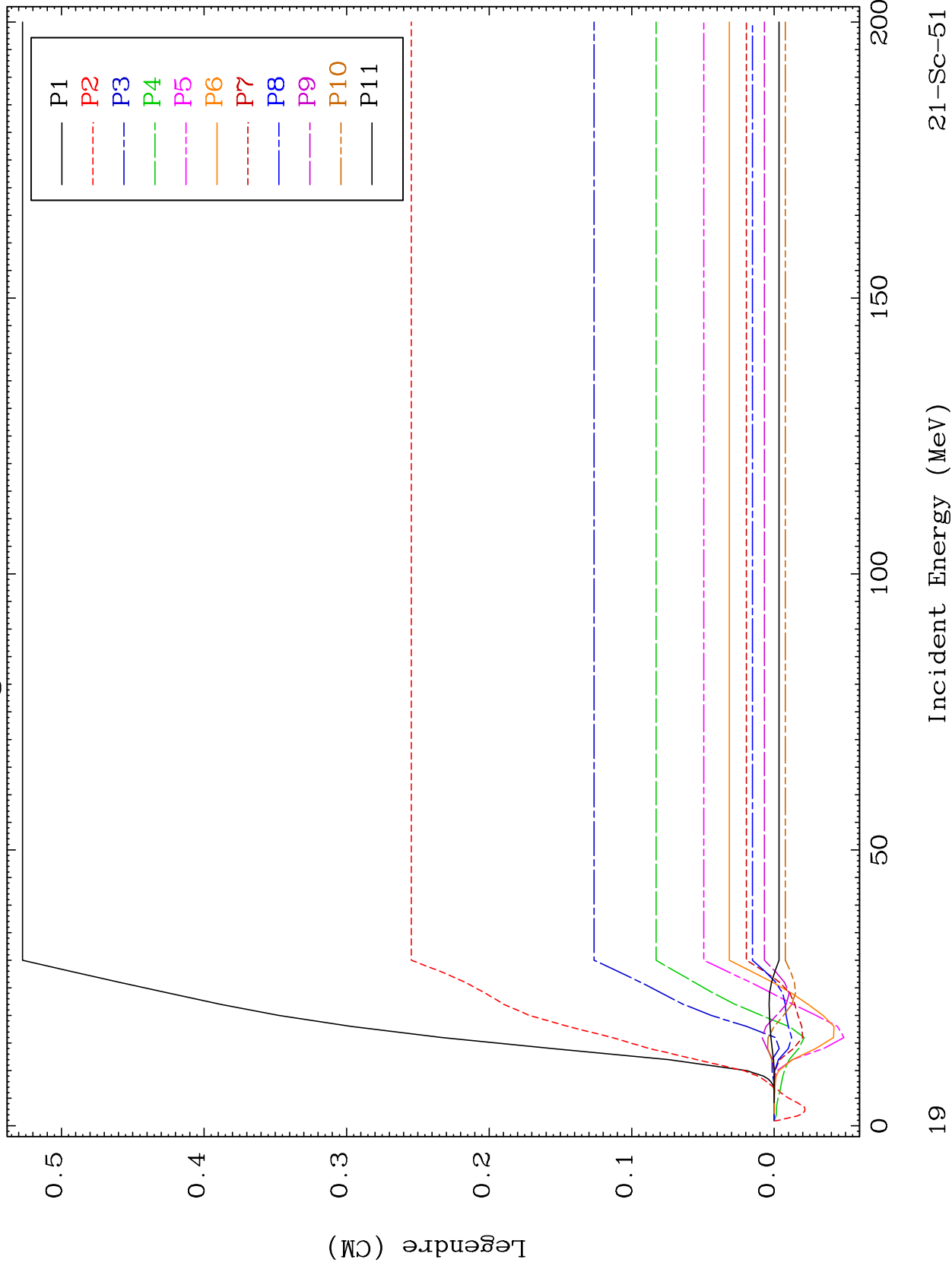
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



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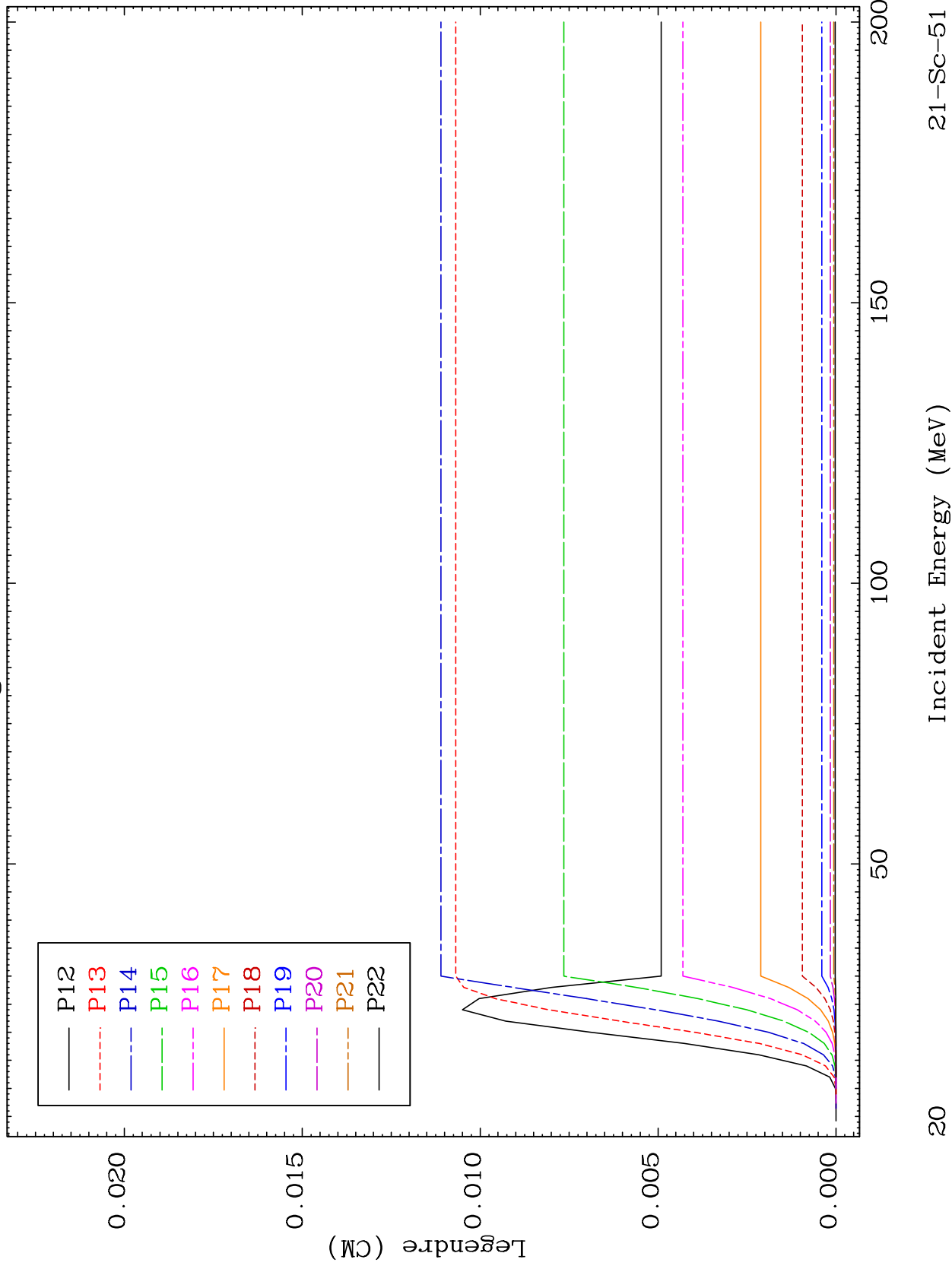
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



21-Sc-51

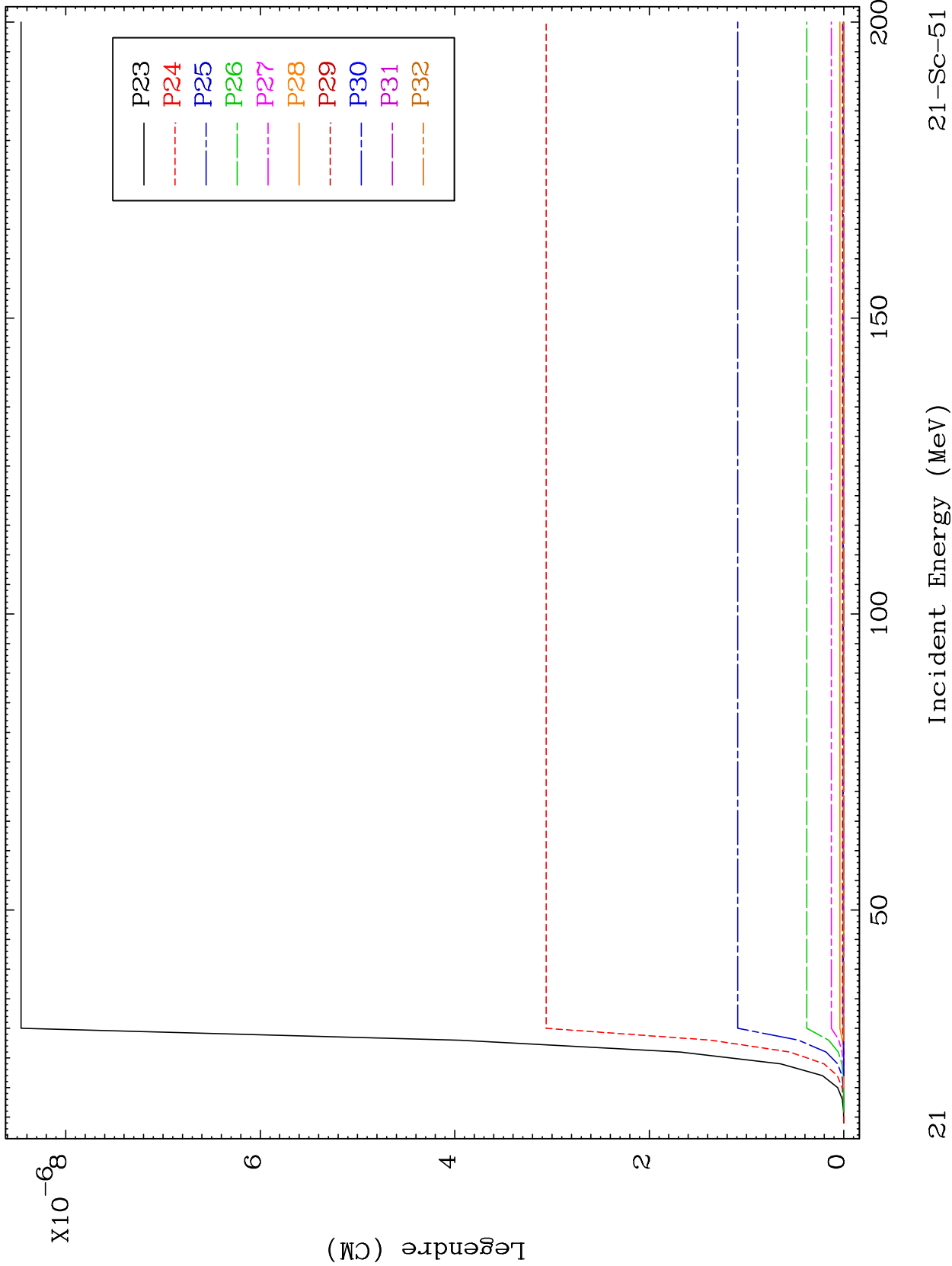
Incident Energy (MeV)

20

MAT 2143

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

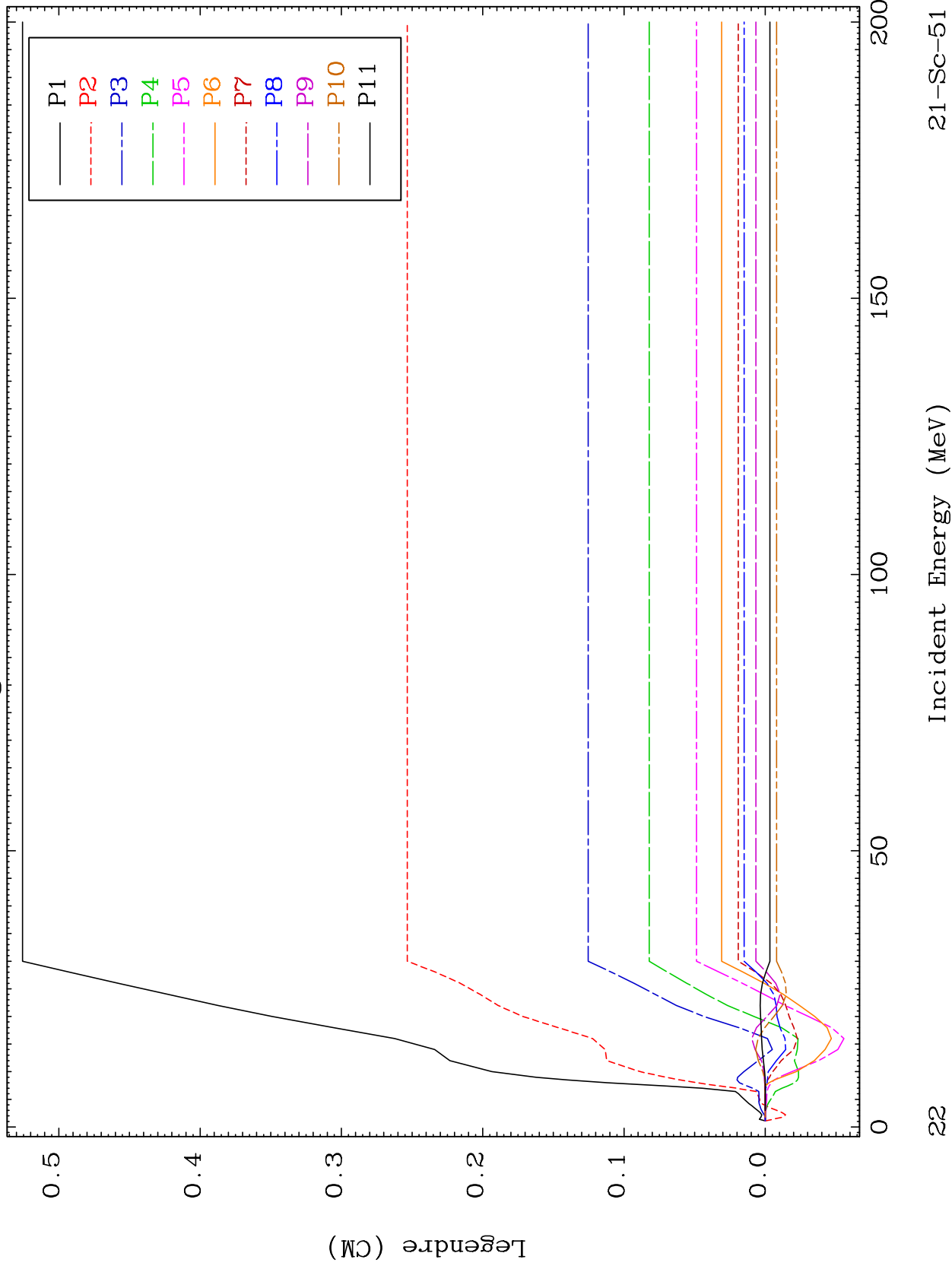
21-Sc-51



MAT 2143

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

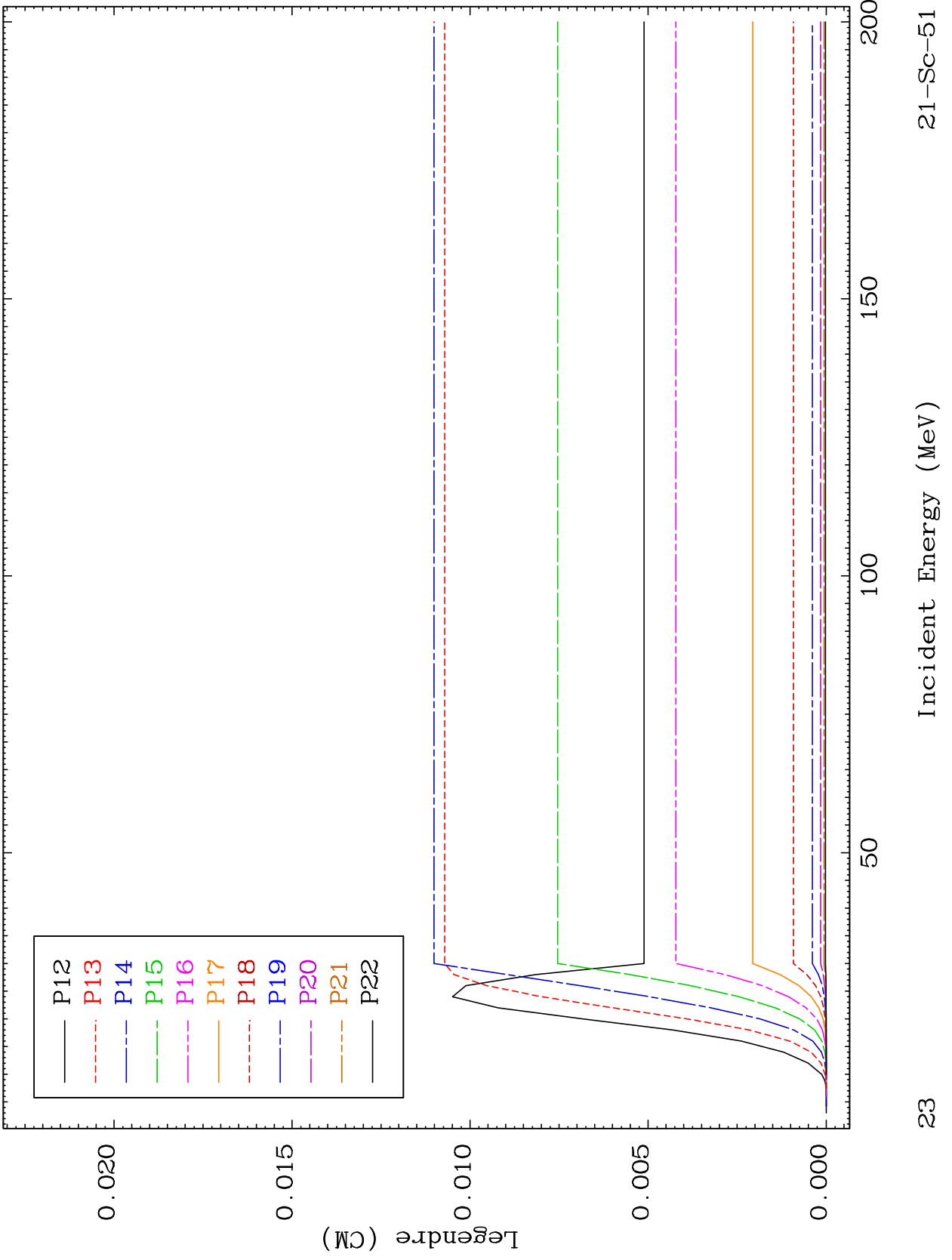
21-Sc-51



MAT 2143

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

21-Sc-51



23

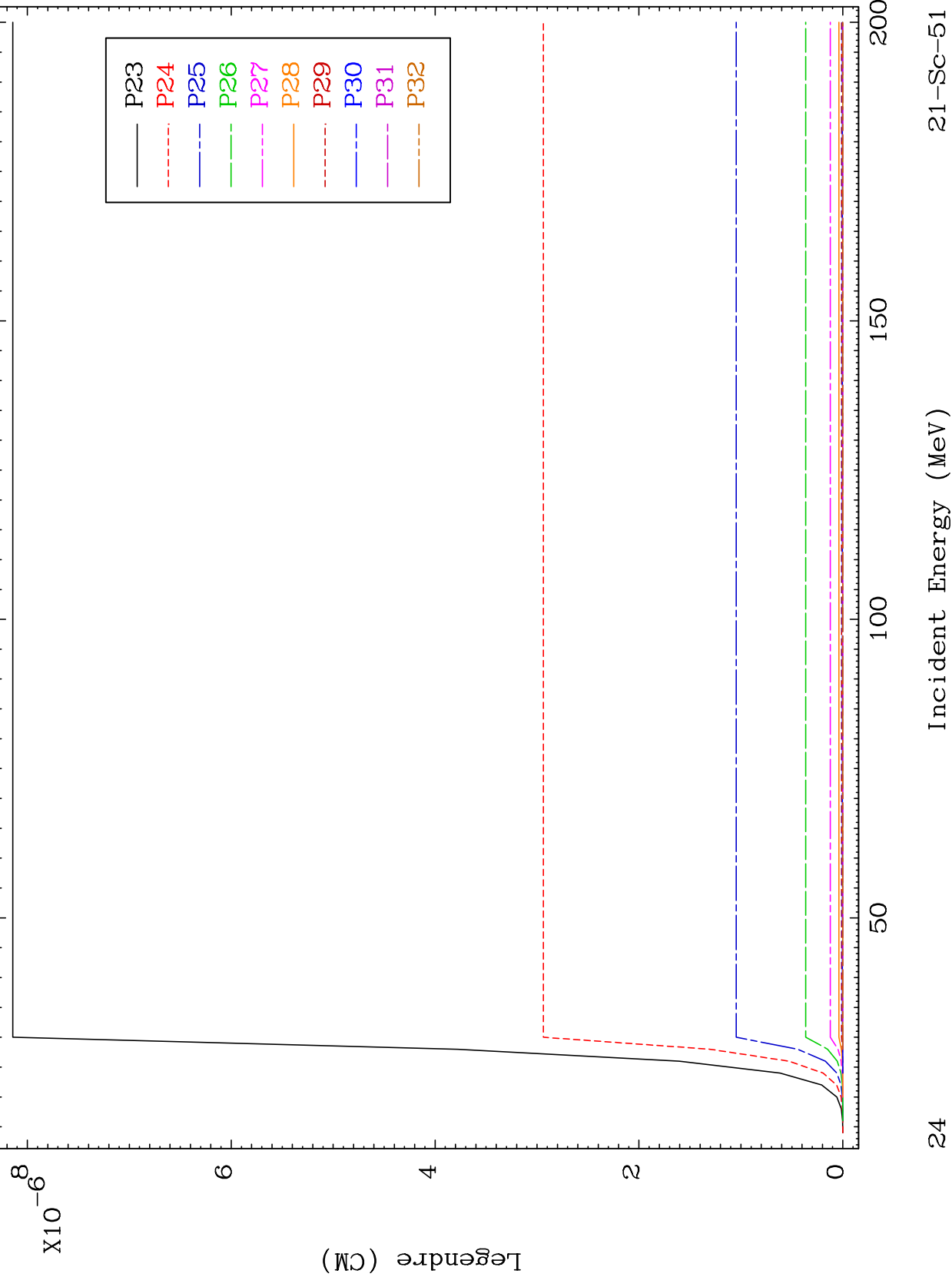
21-Sc-51



MAT 2143

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

21-Sc-51

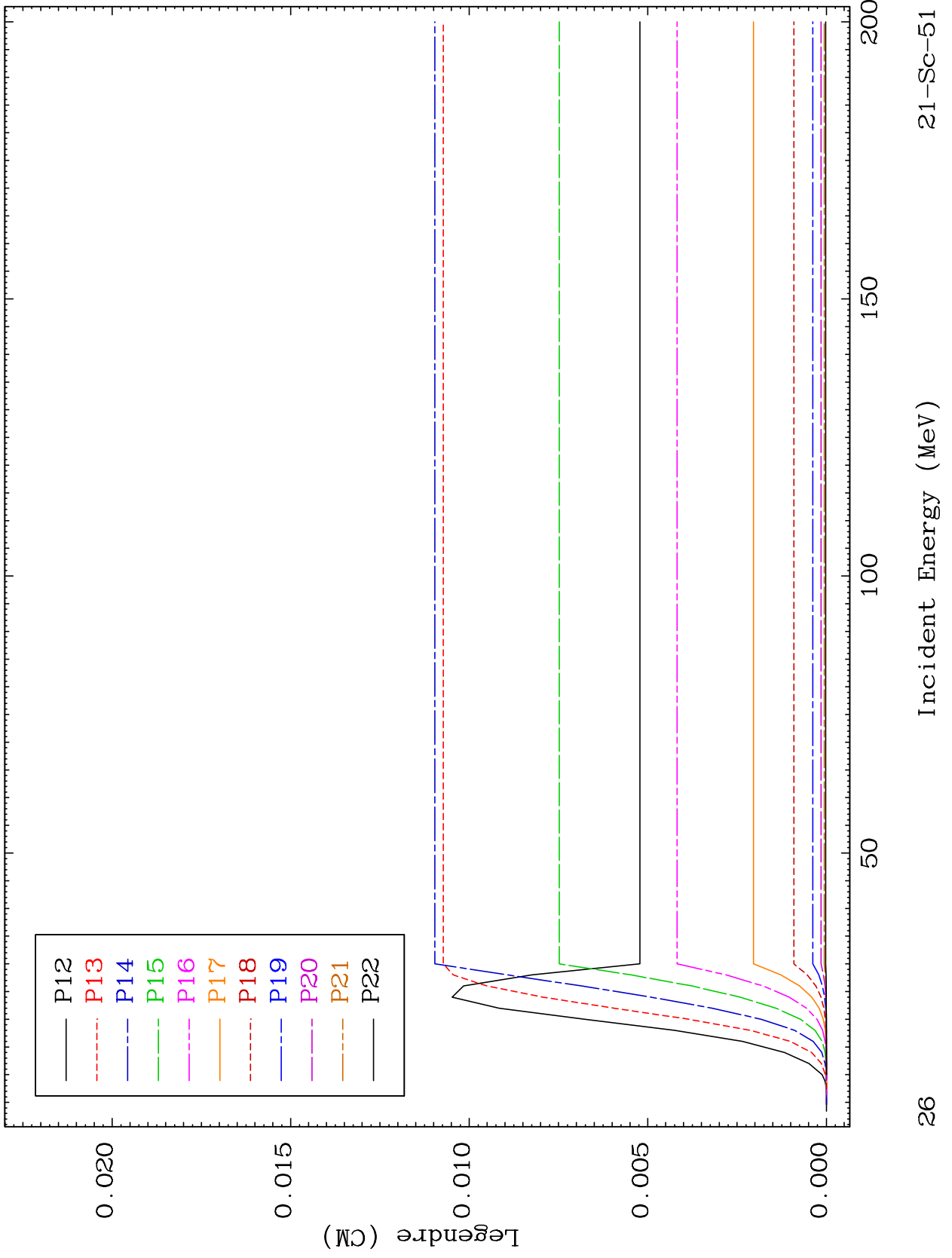


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Incident Energy (MeV)

21-Sc-51

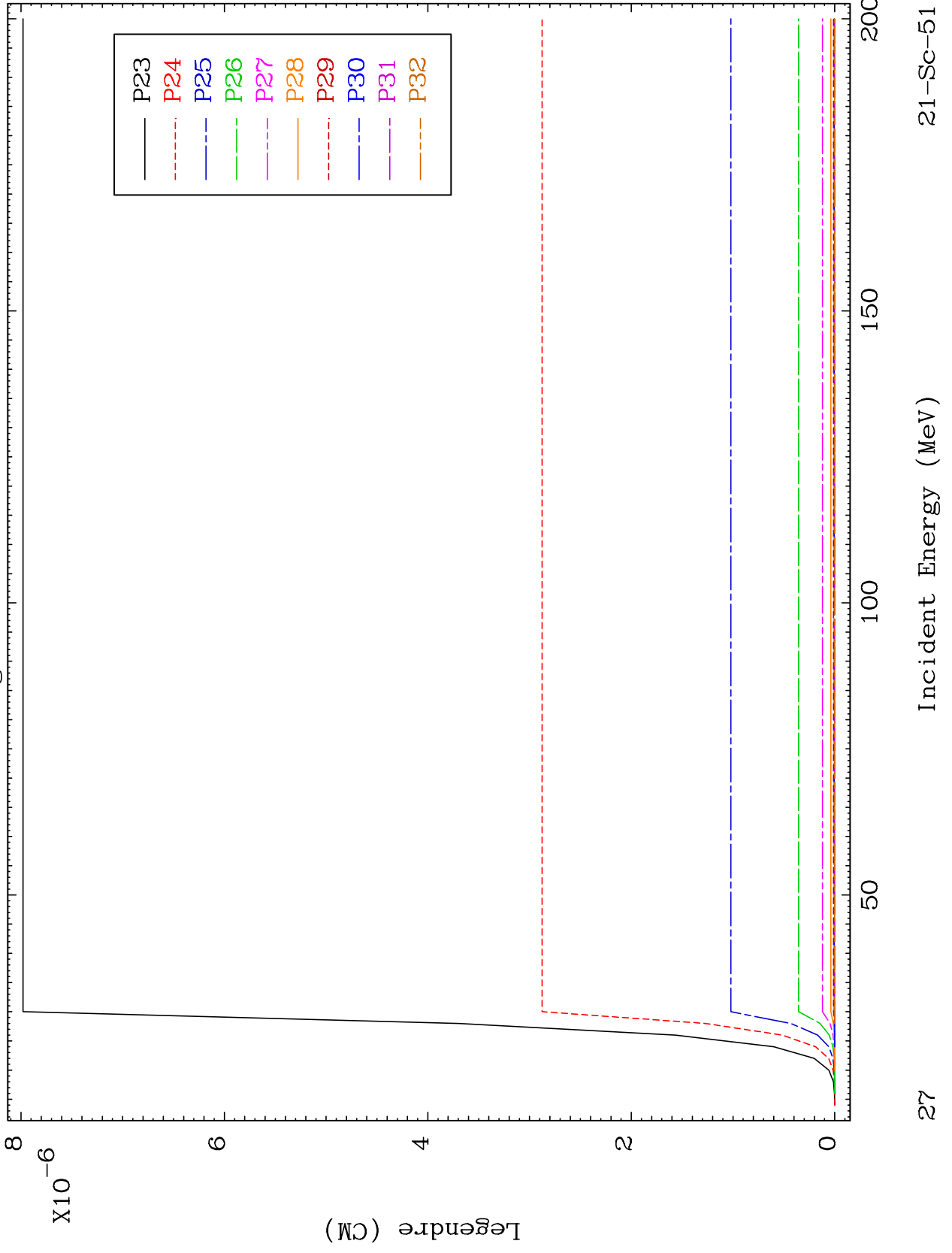




MAT 2143

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

21-Sc-51



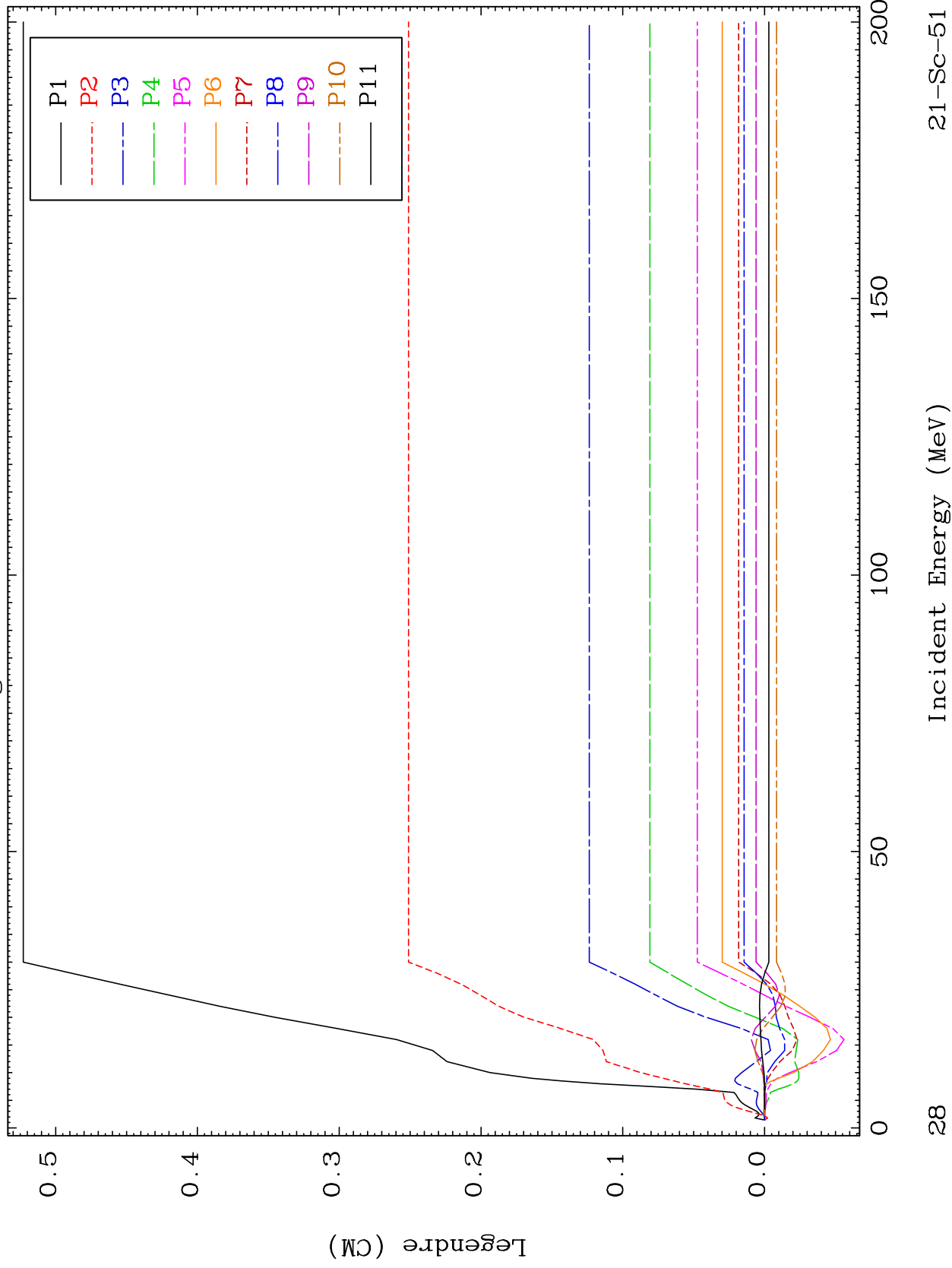
27

21-Sc-51

MAT 2143

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

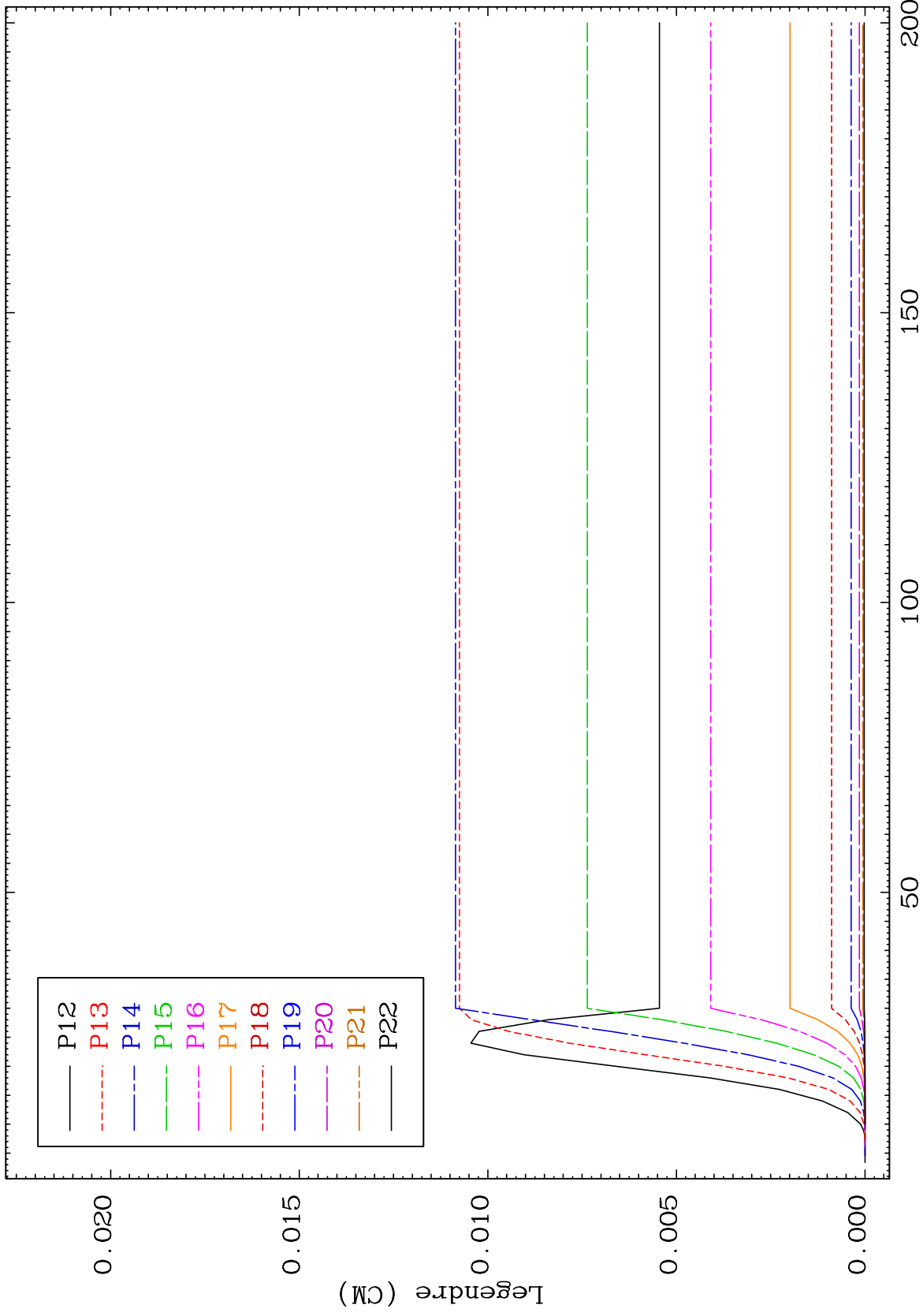
21-Sc-51



21-Sc-51

Incident Energy (MeV)

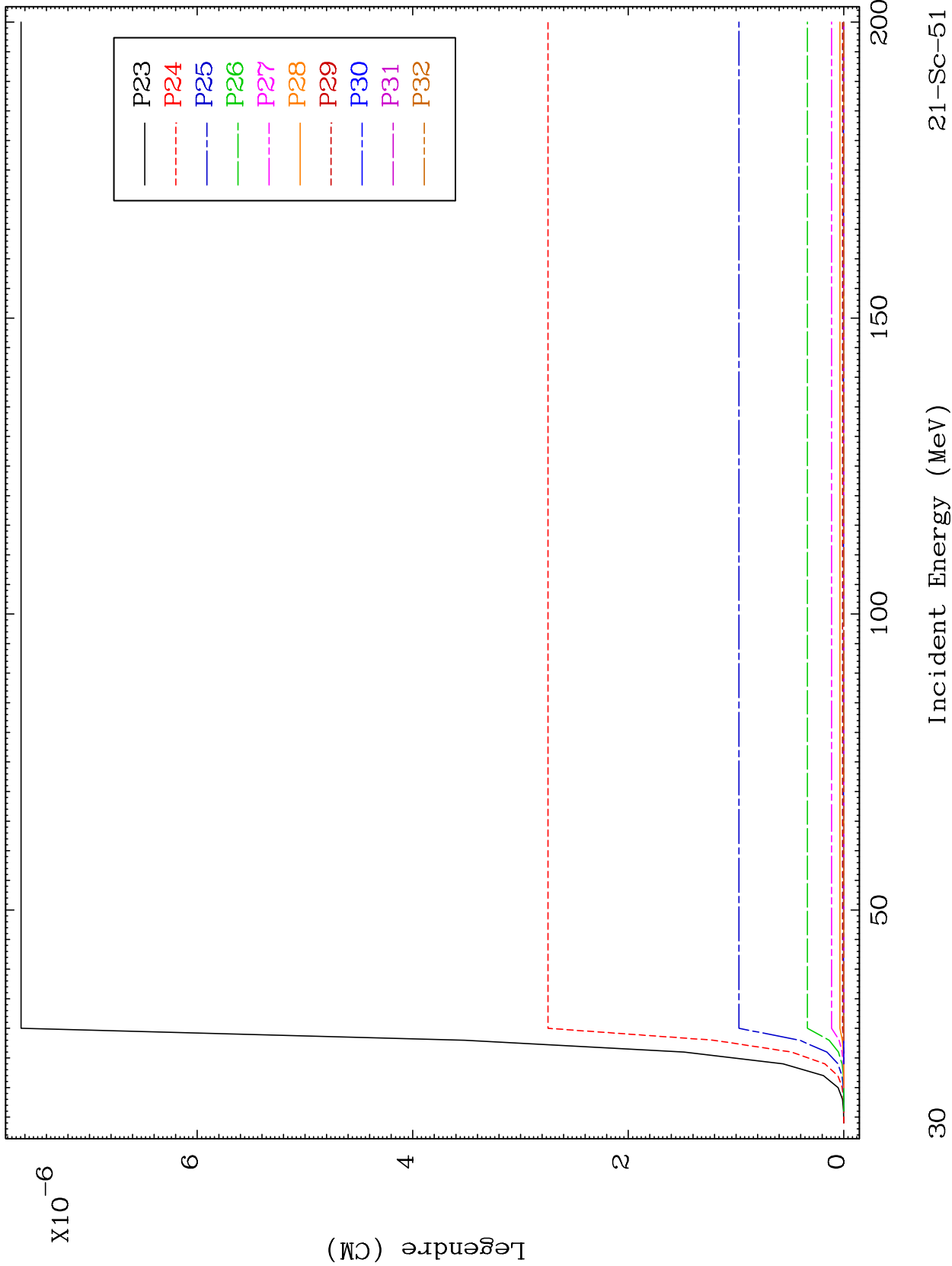
28



MAT 2143

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

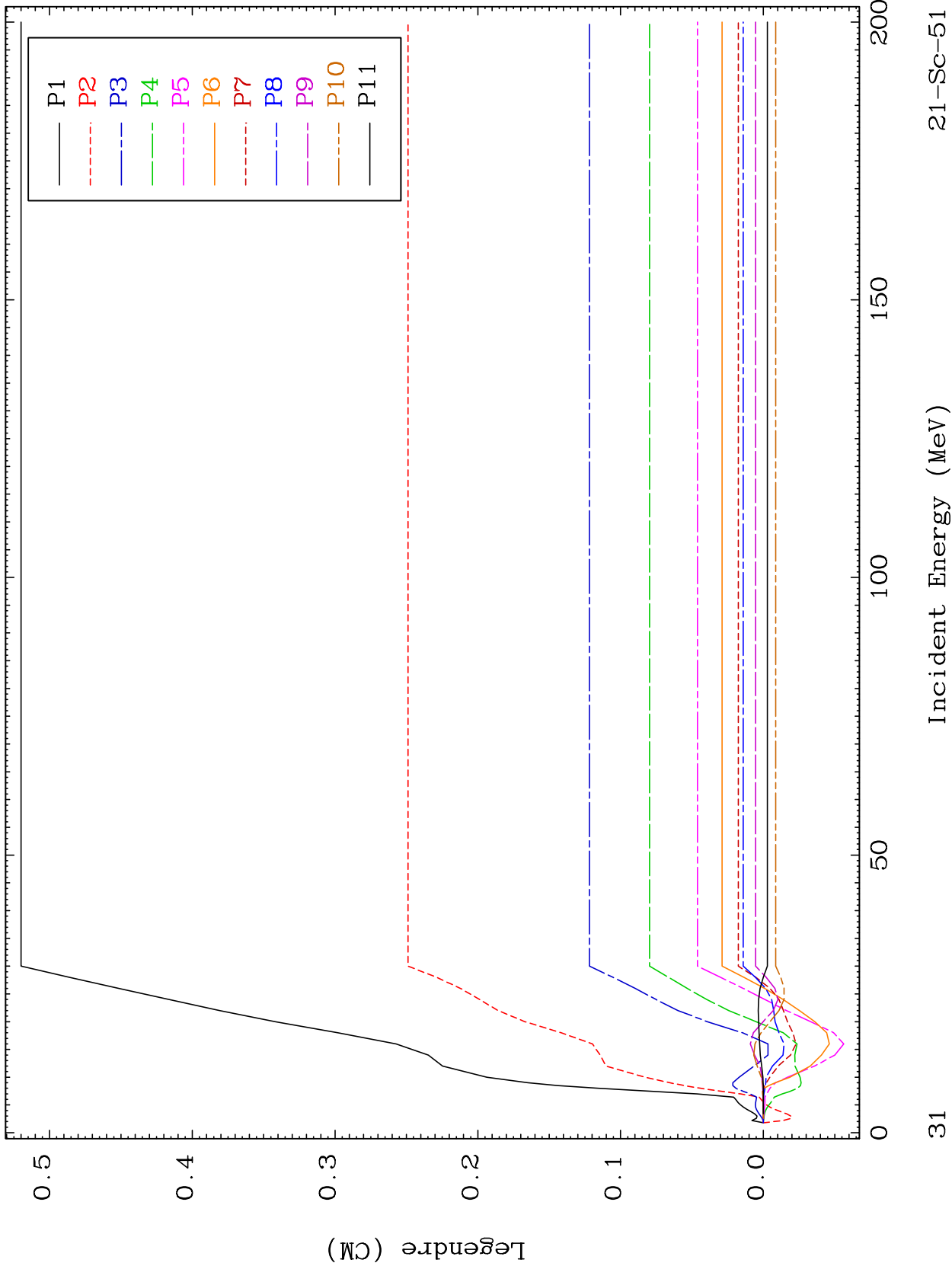
21-Sc-51



MAT 2143

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

21-Sc-51

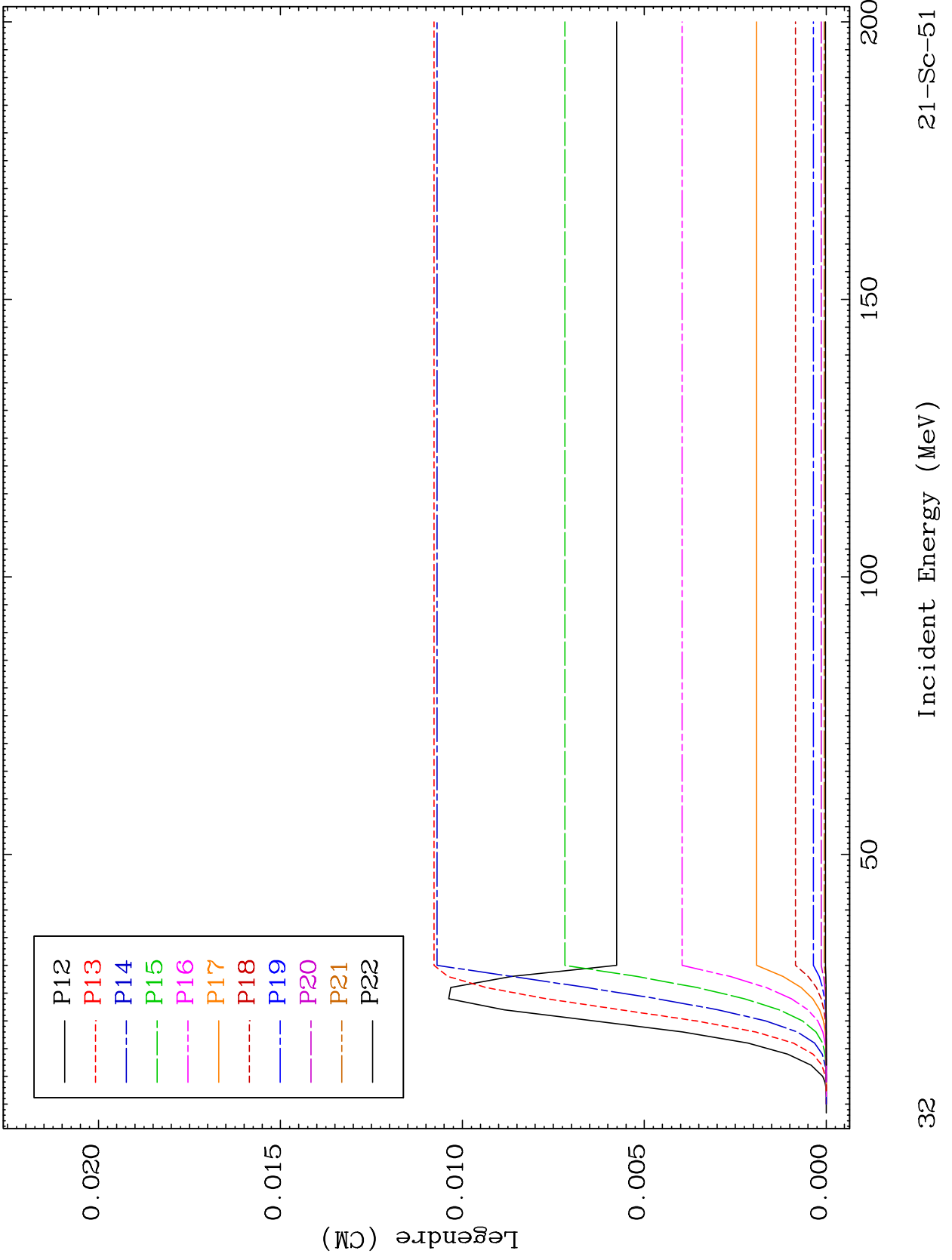


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Incident Energy (MeV)

21-Sc-51

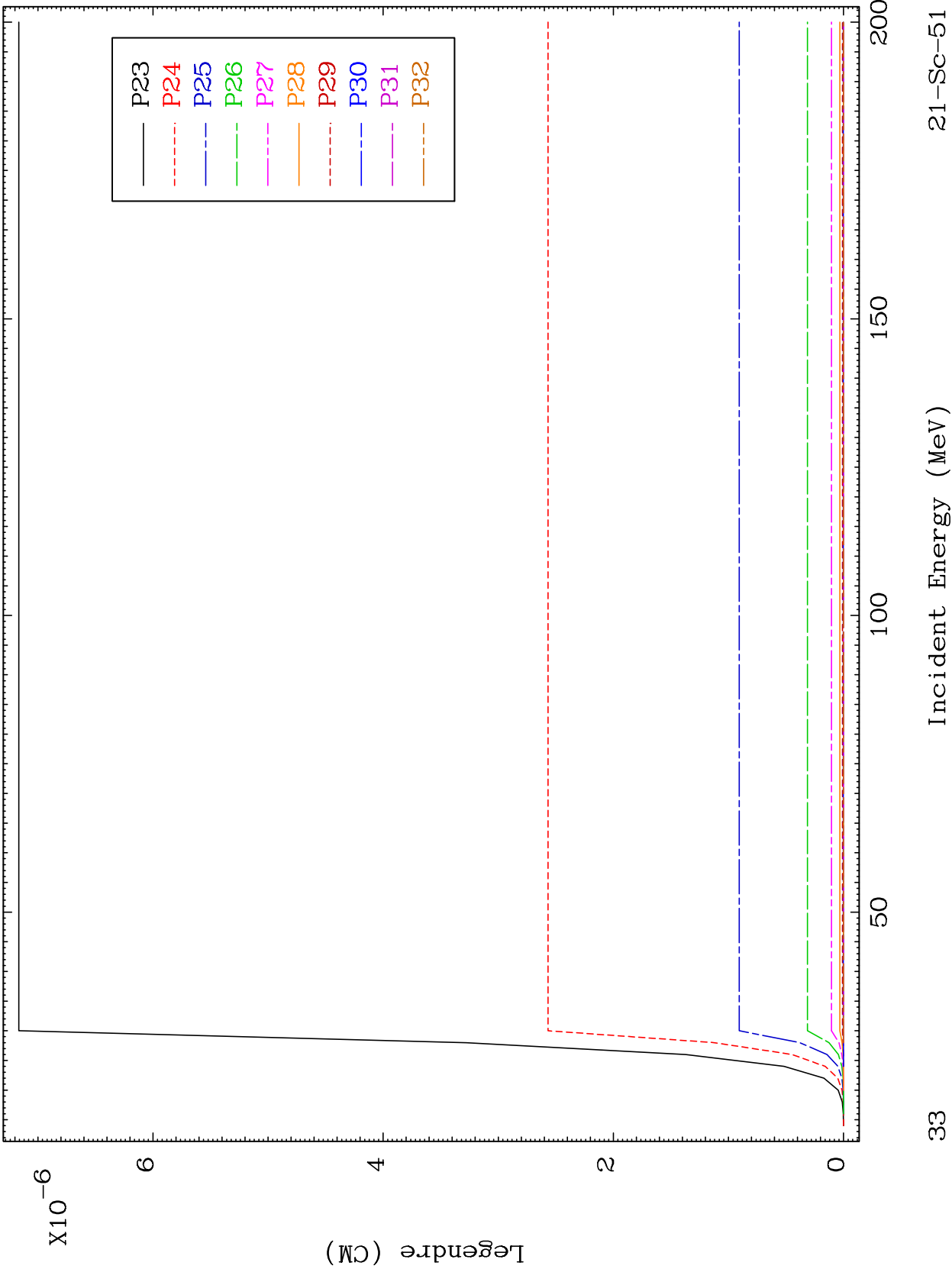




MAT 2143

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

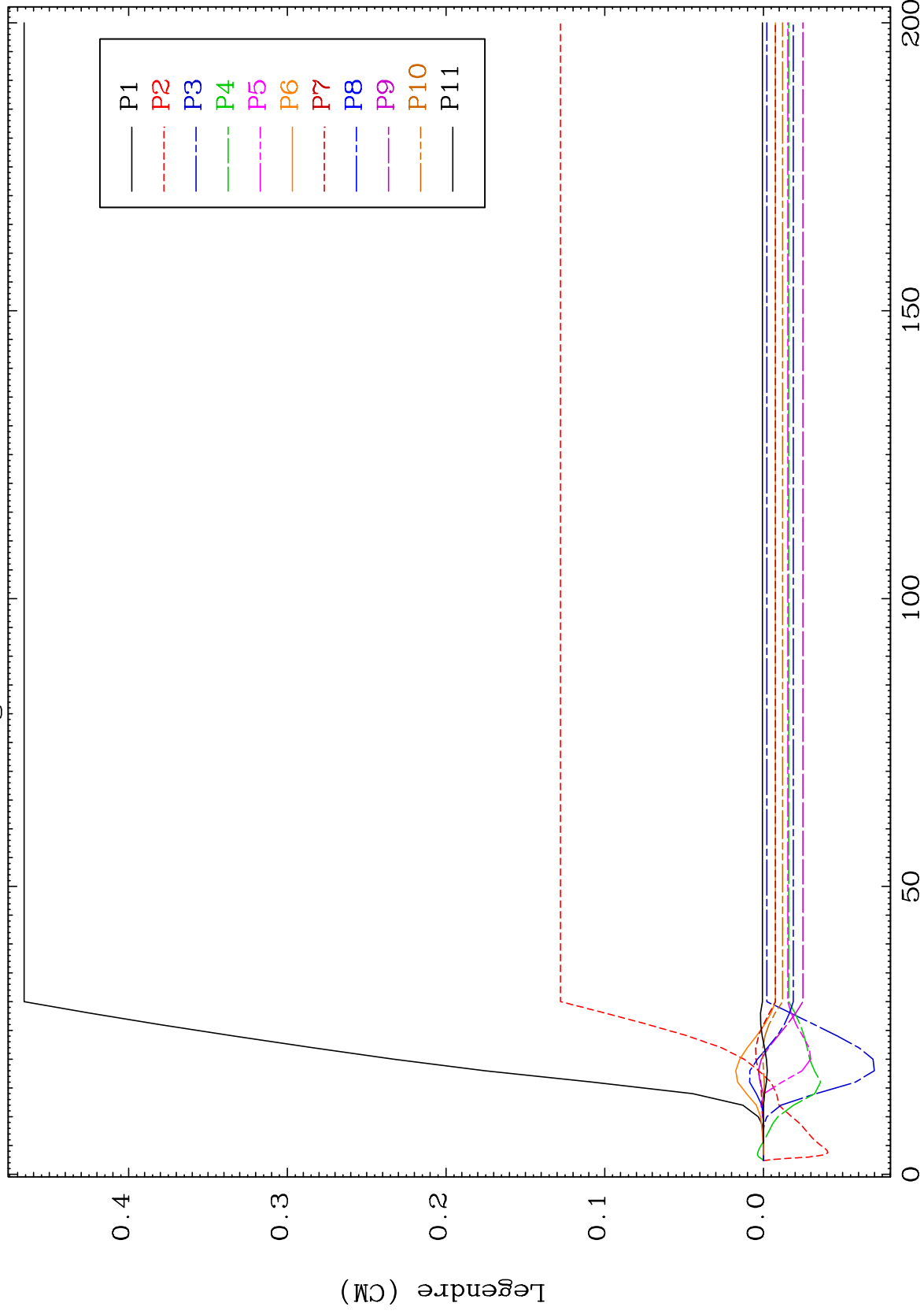
21-Sc-51



MAT 2143

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

21-Sc-51



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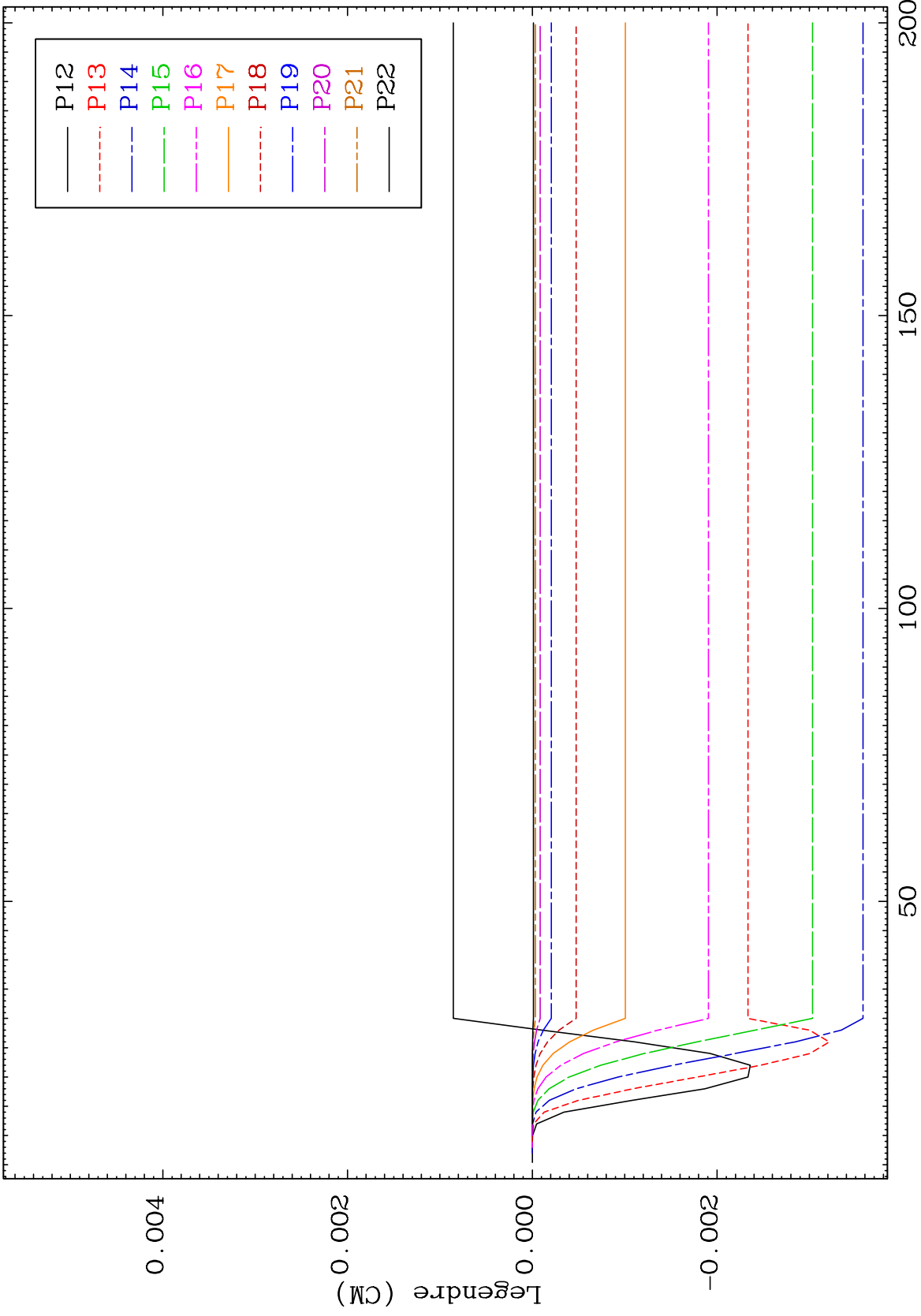
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



35

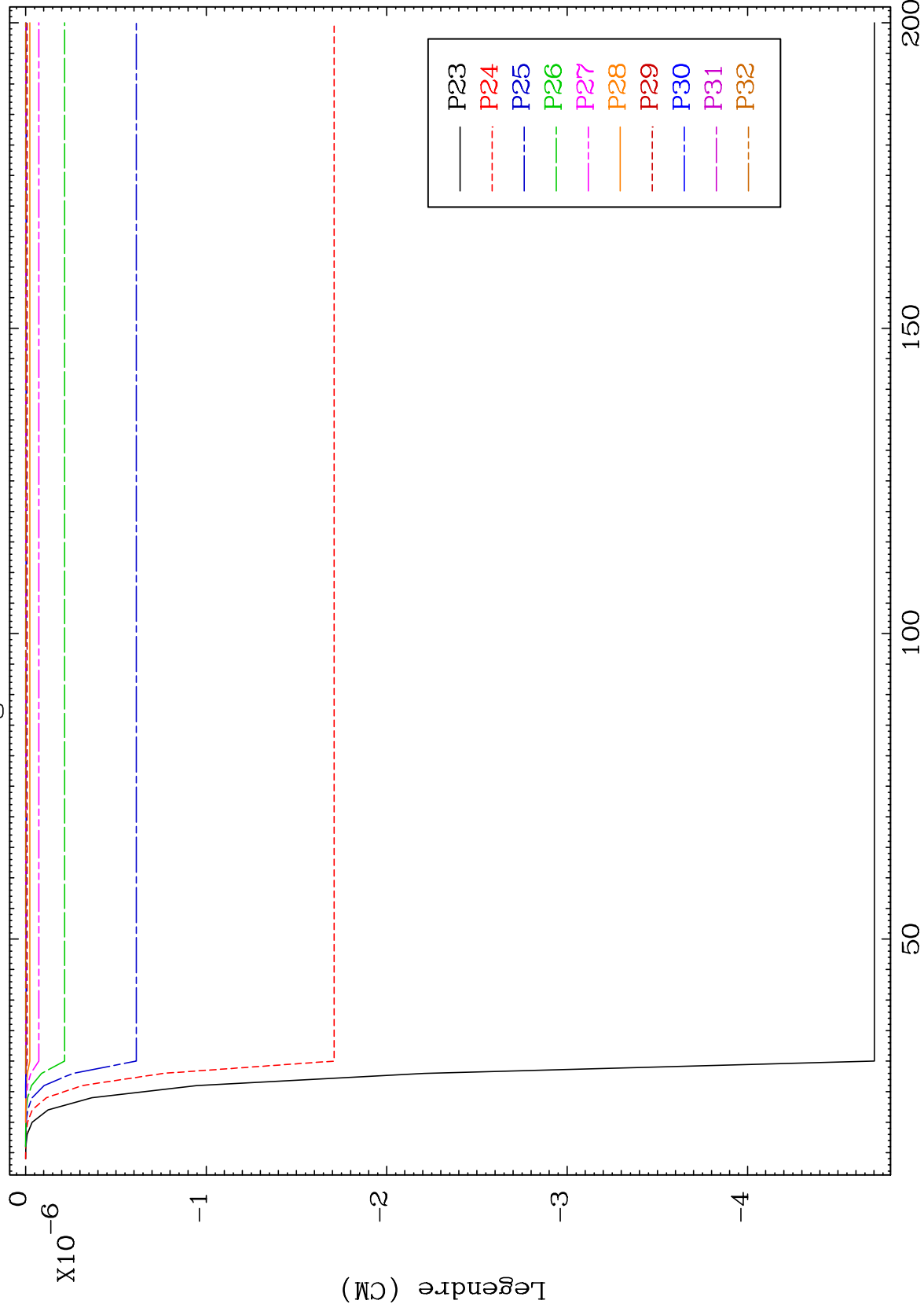
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



36

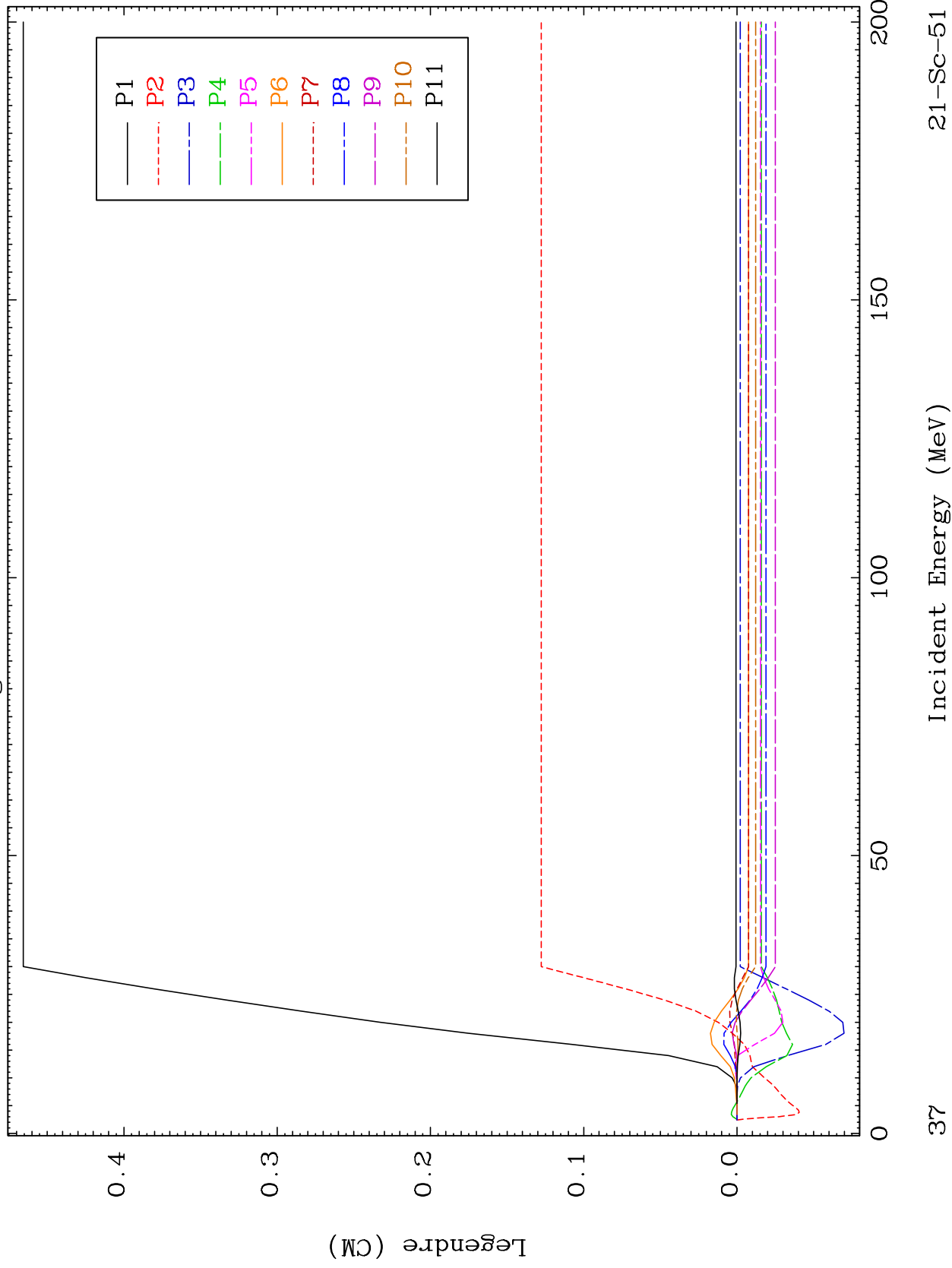
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

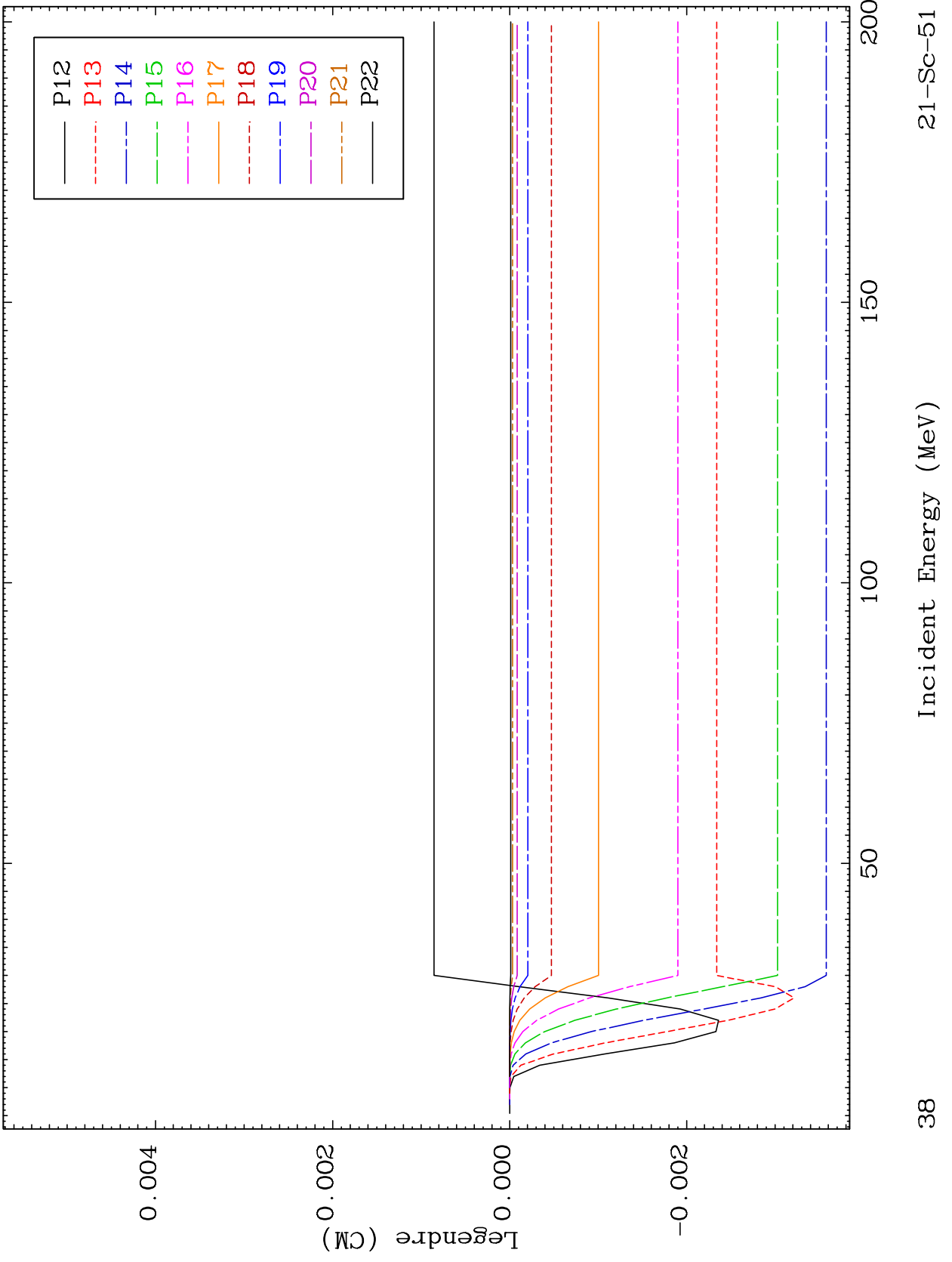
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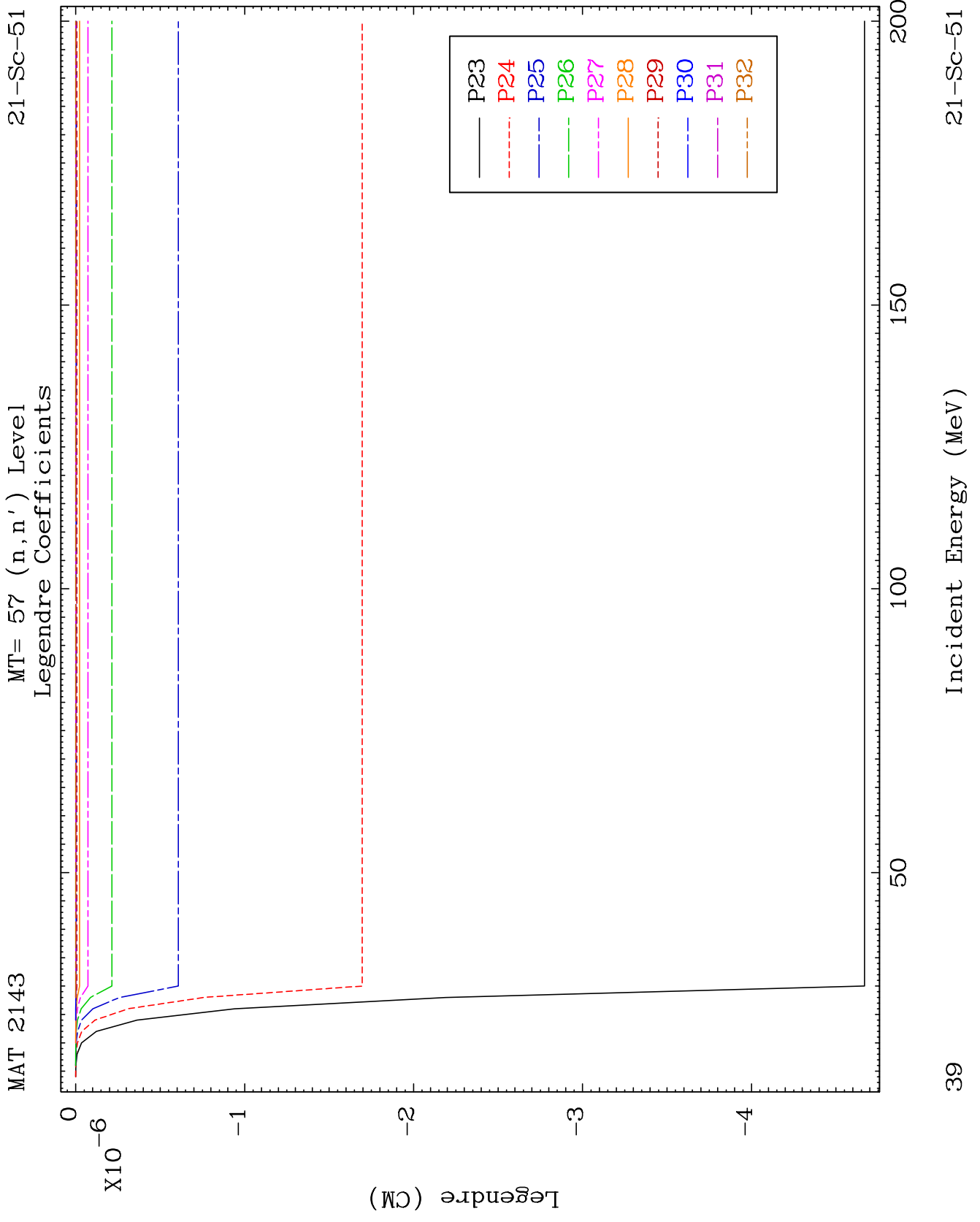


MAT 2143

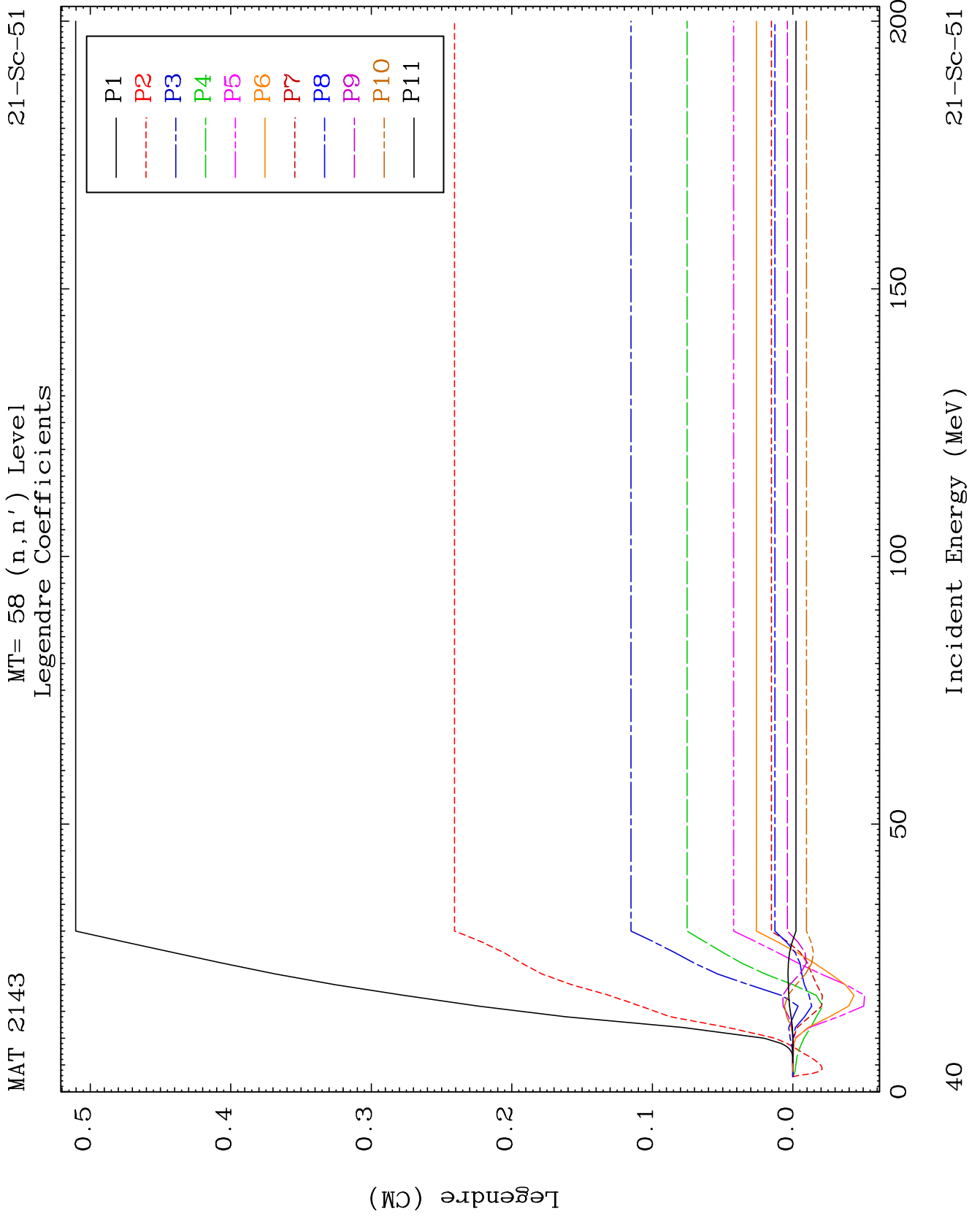
MT= 57 (n,n') Level  
Legendre Coefficients

21-Sc-51





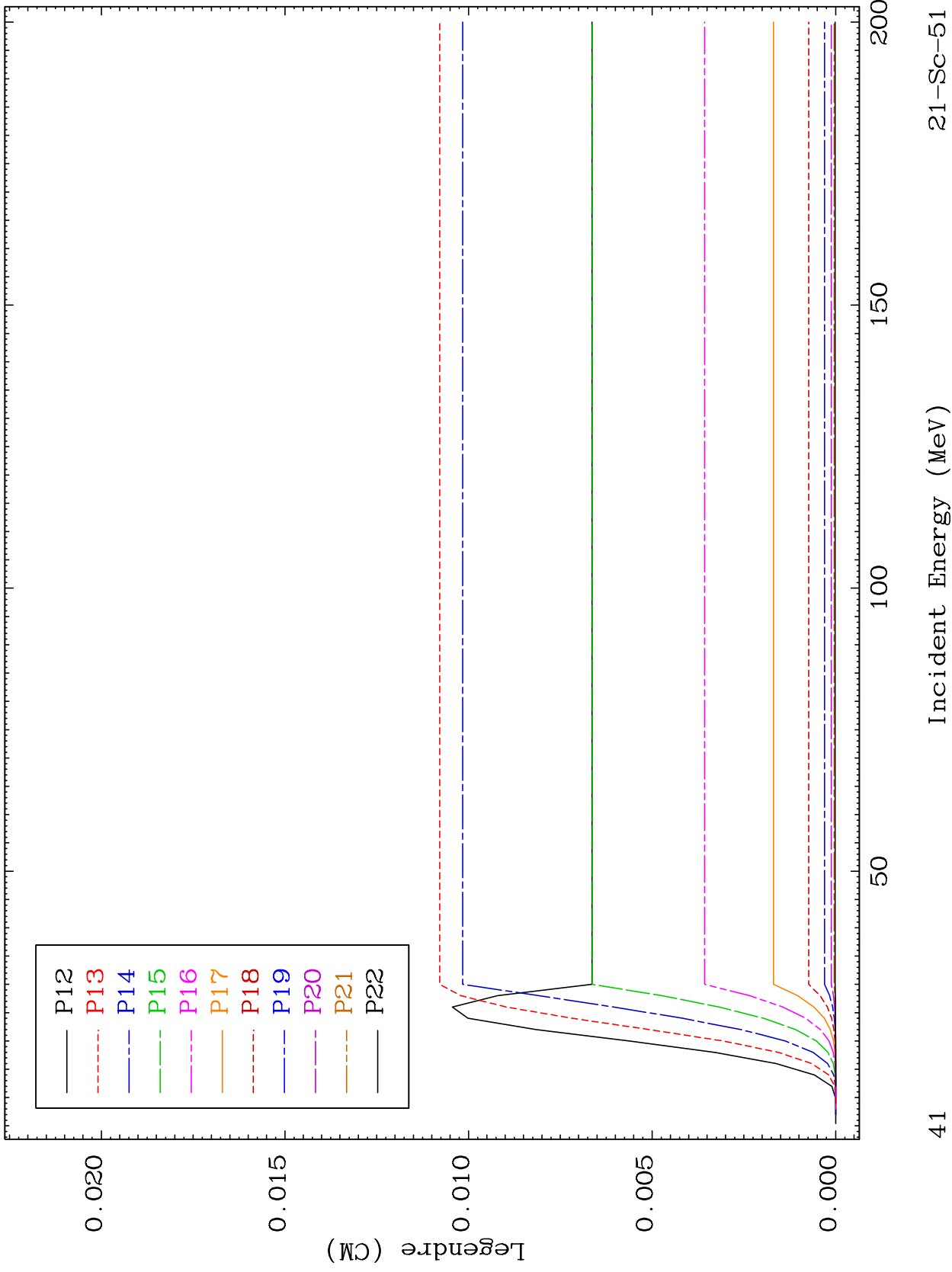




MAT 2143

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

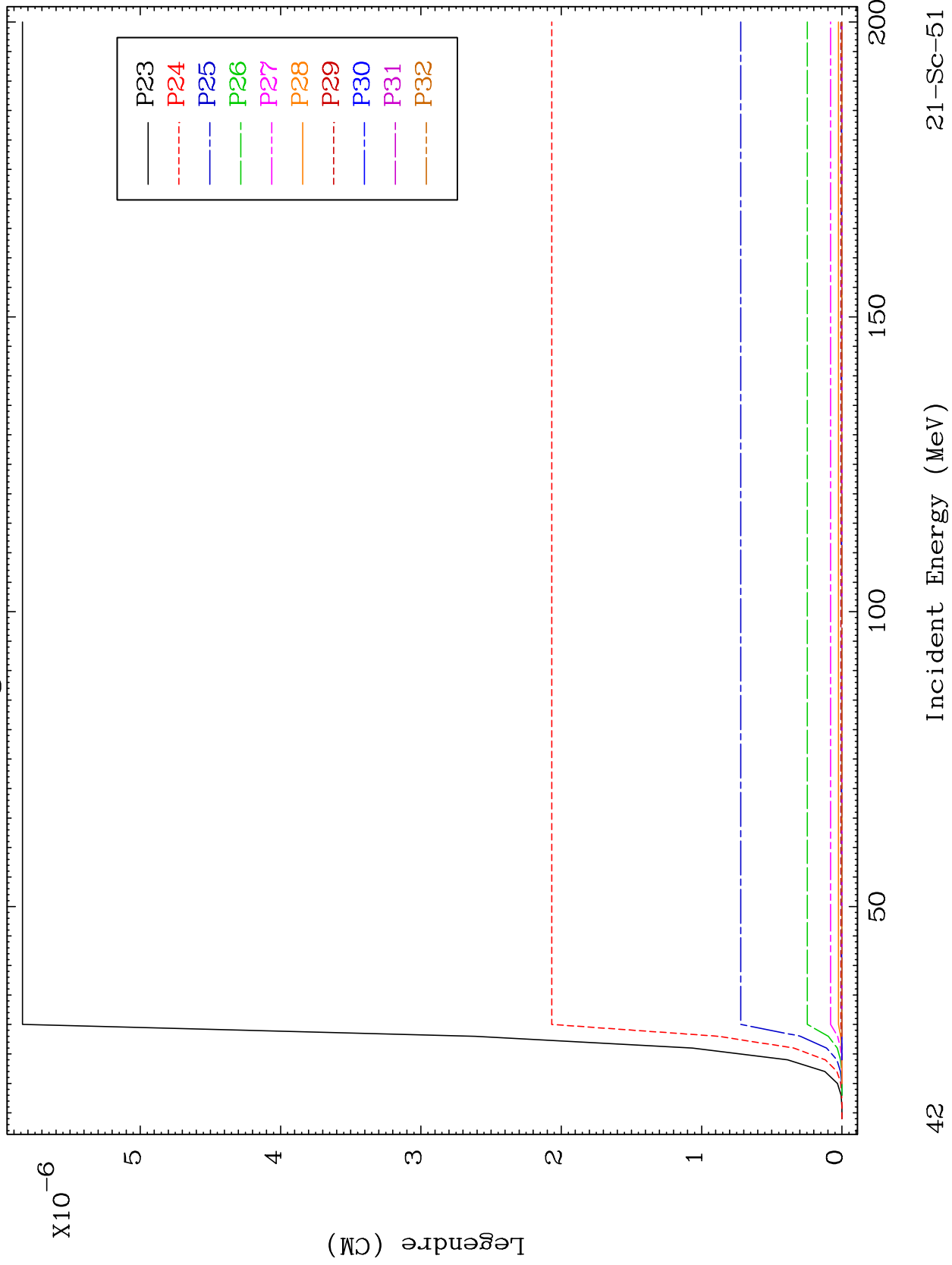
21-Sc-51



MAT 2143

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

21-Sc-51



42

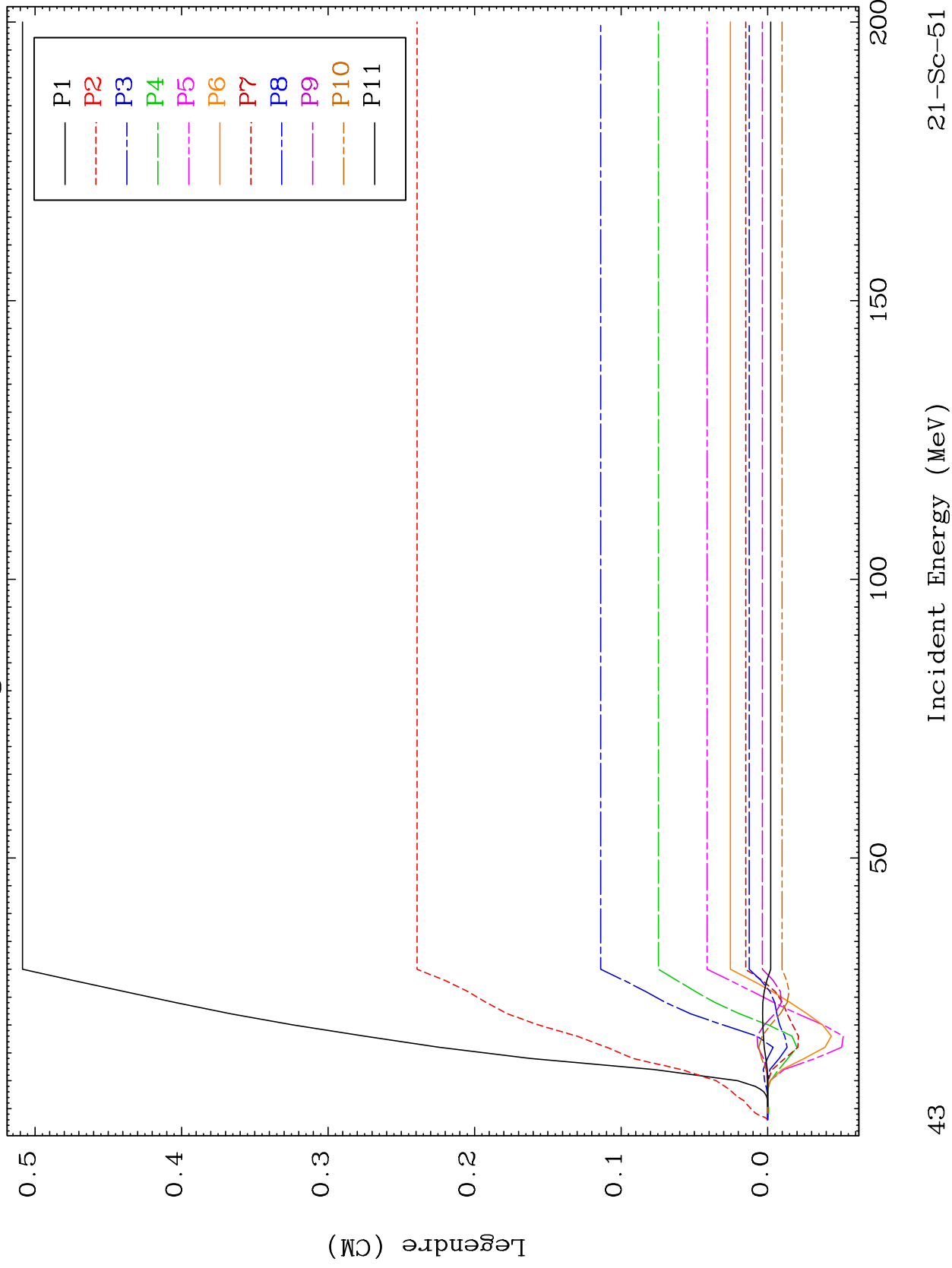
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

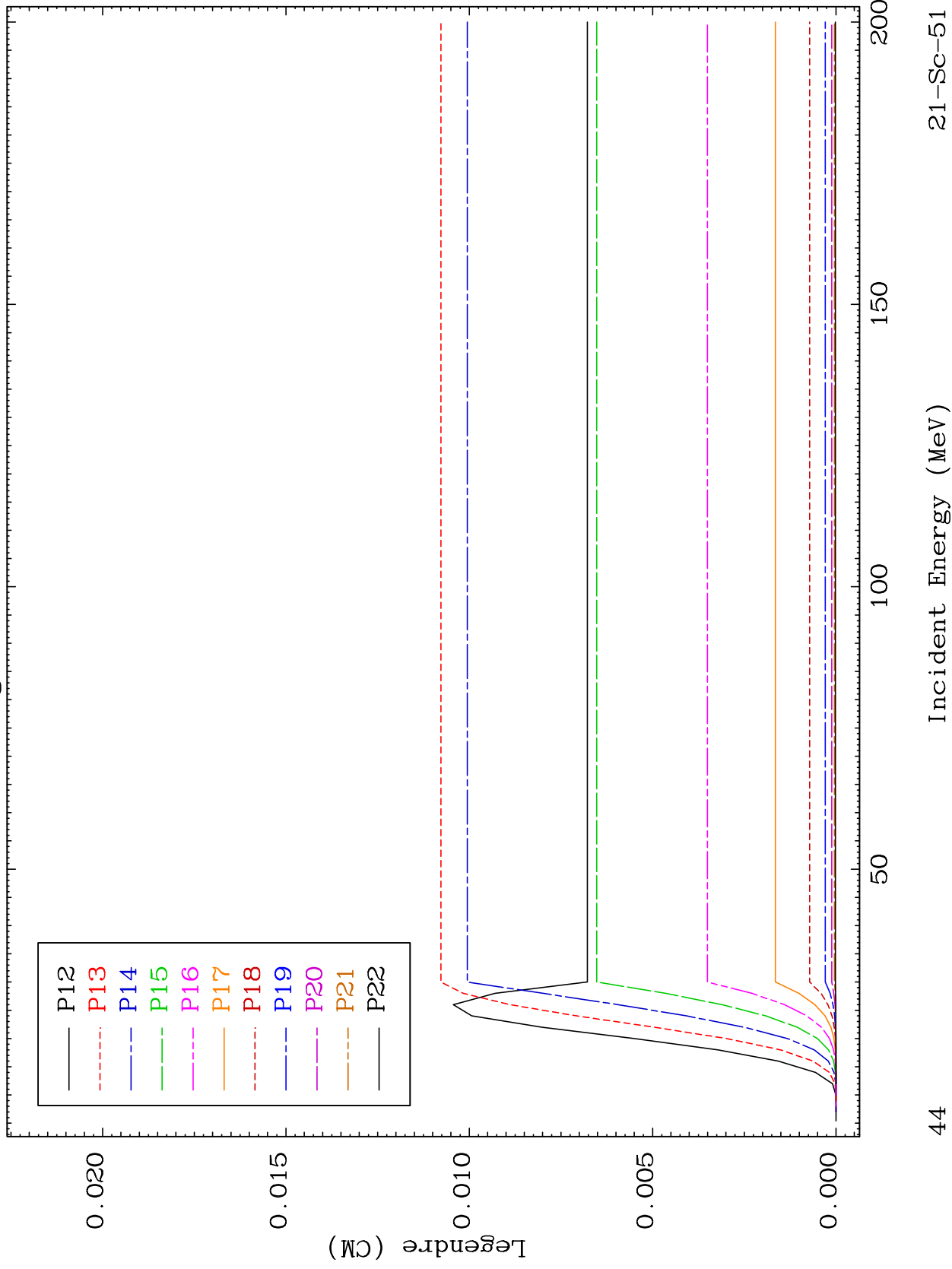
21-Sc-51



MAT 2143

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

21-Sc-51



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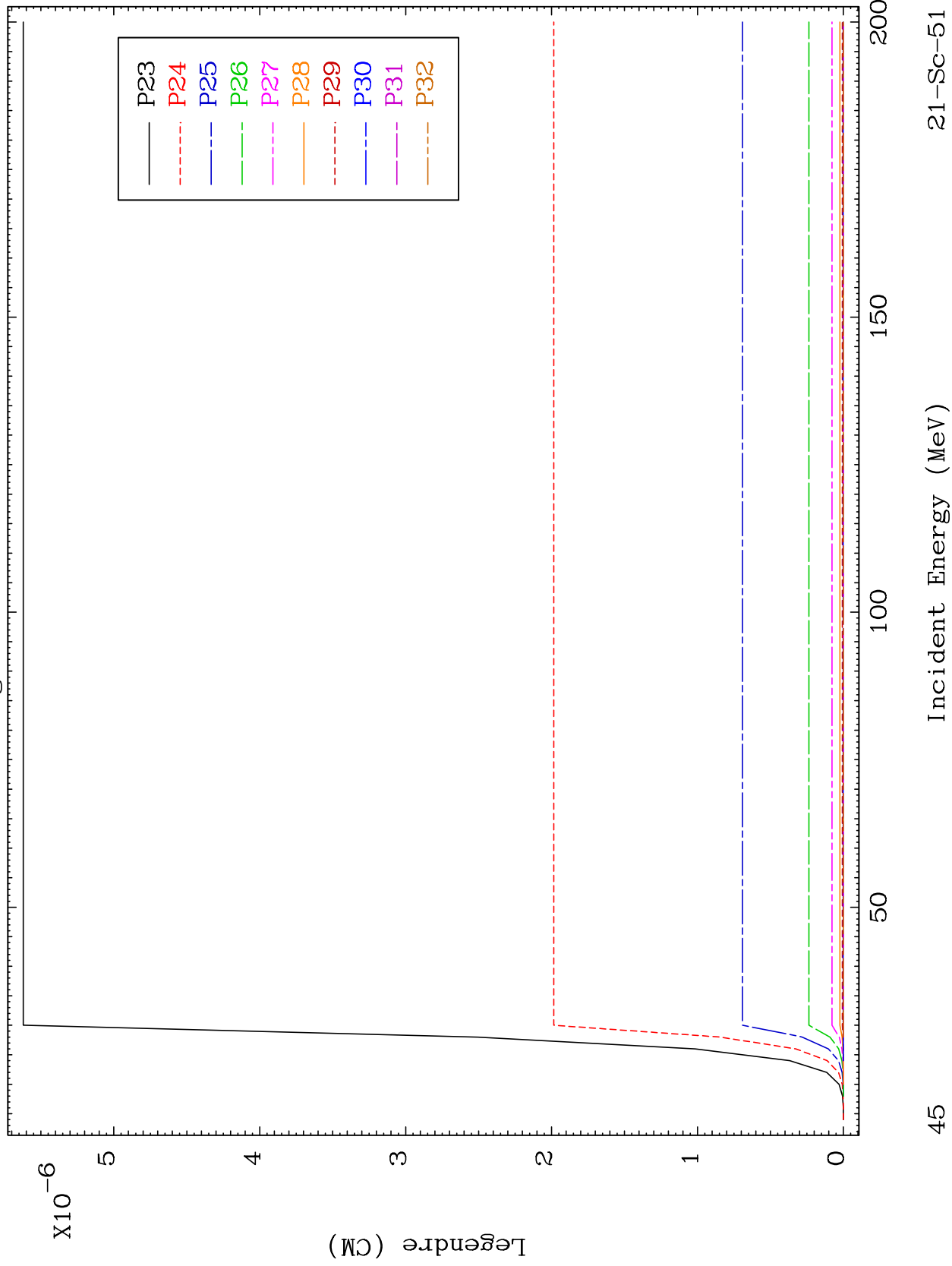
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

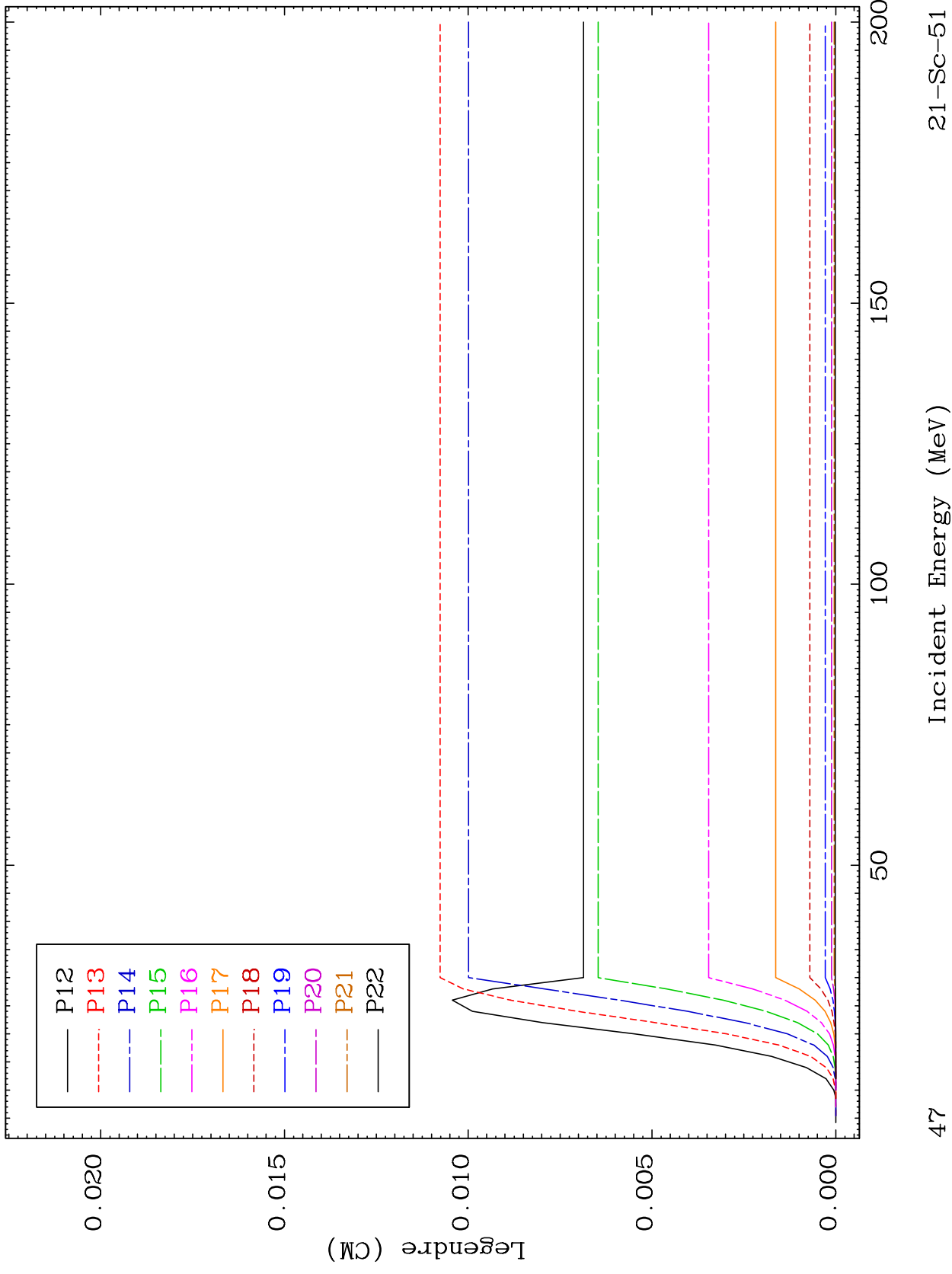




MAT 2143

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

21-Sc-51

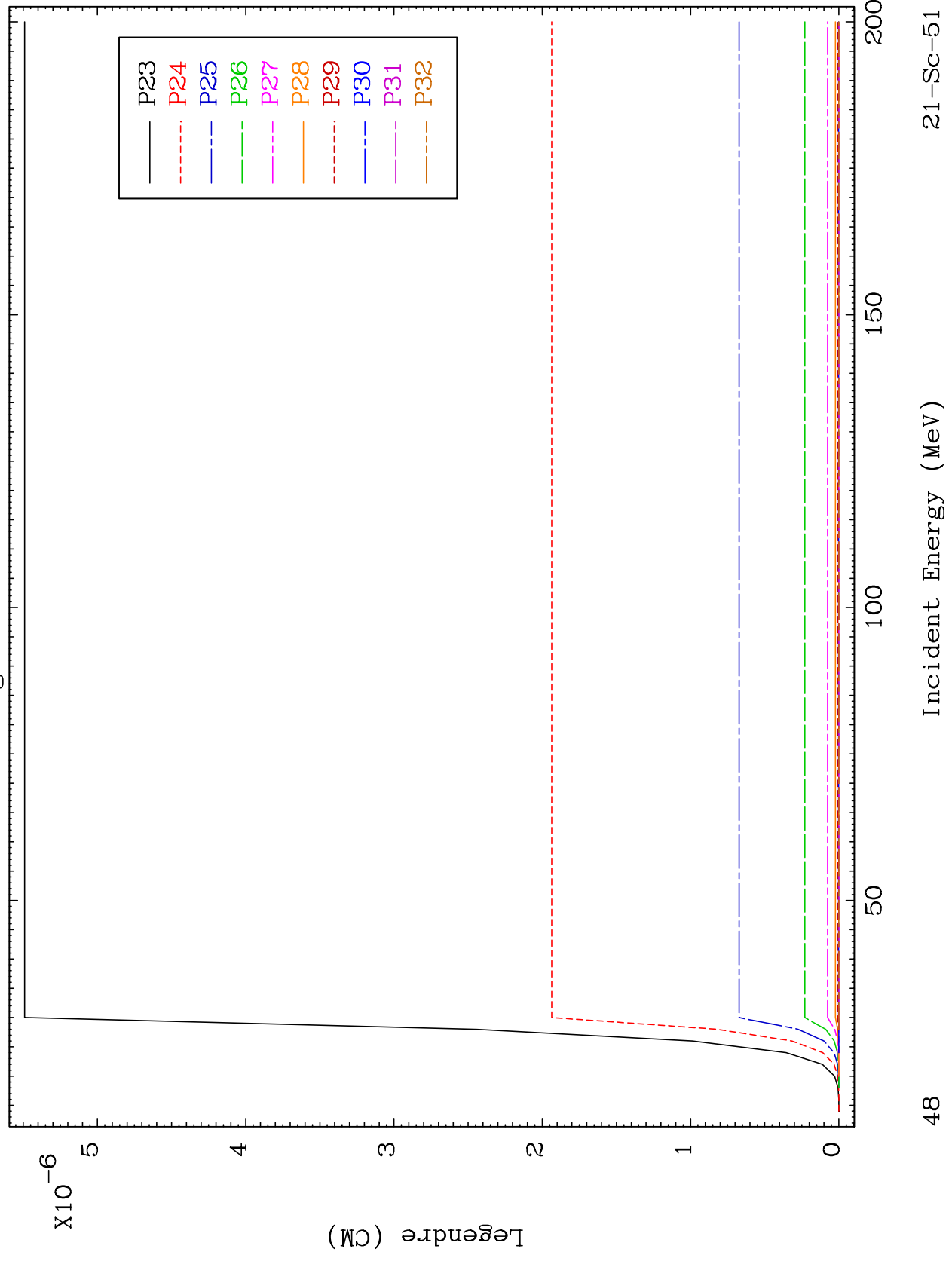




MAT 2143

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

21-Sc-51



48

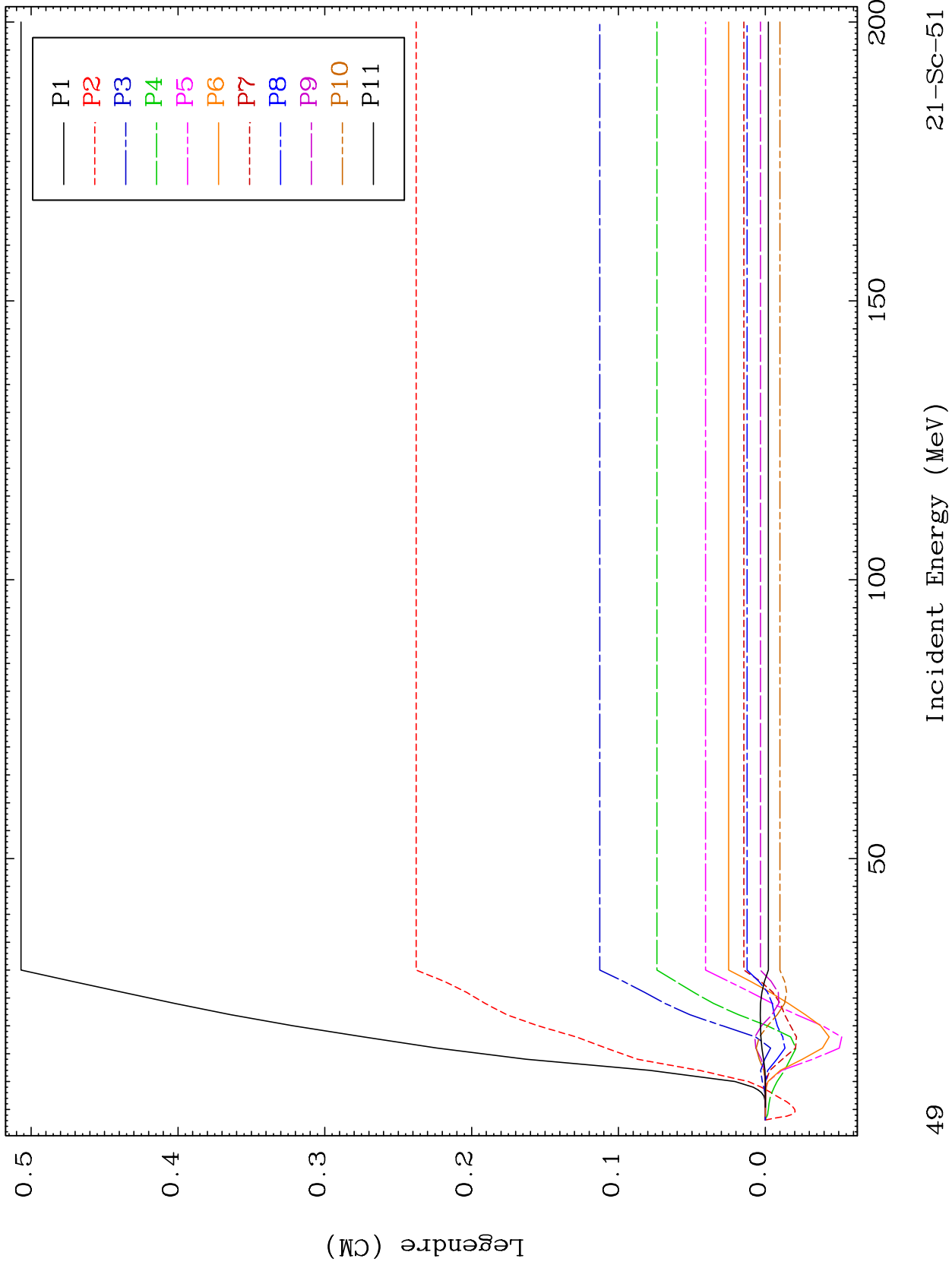
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



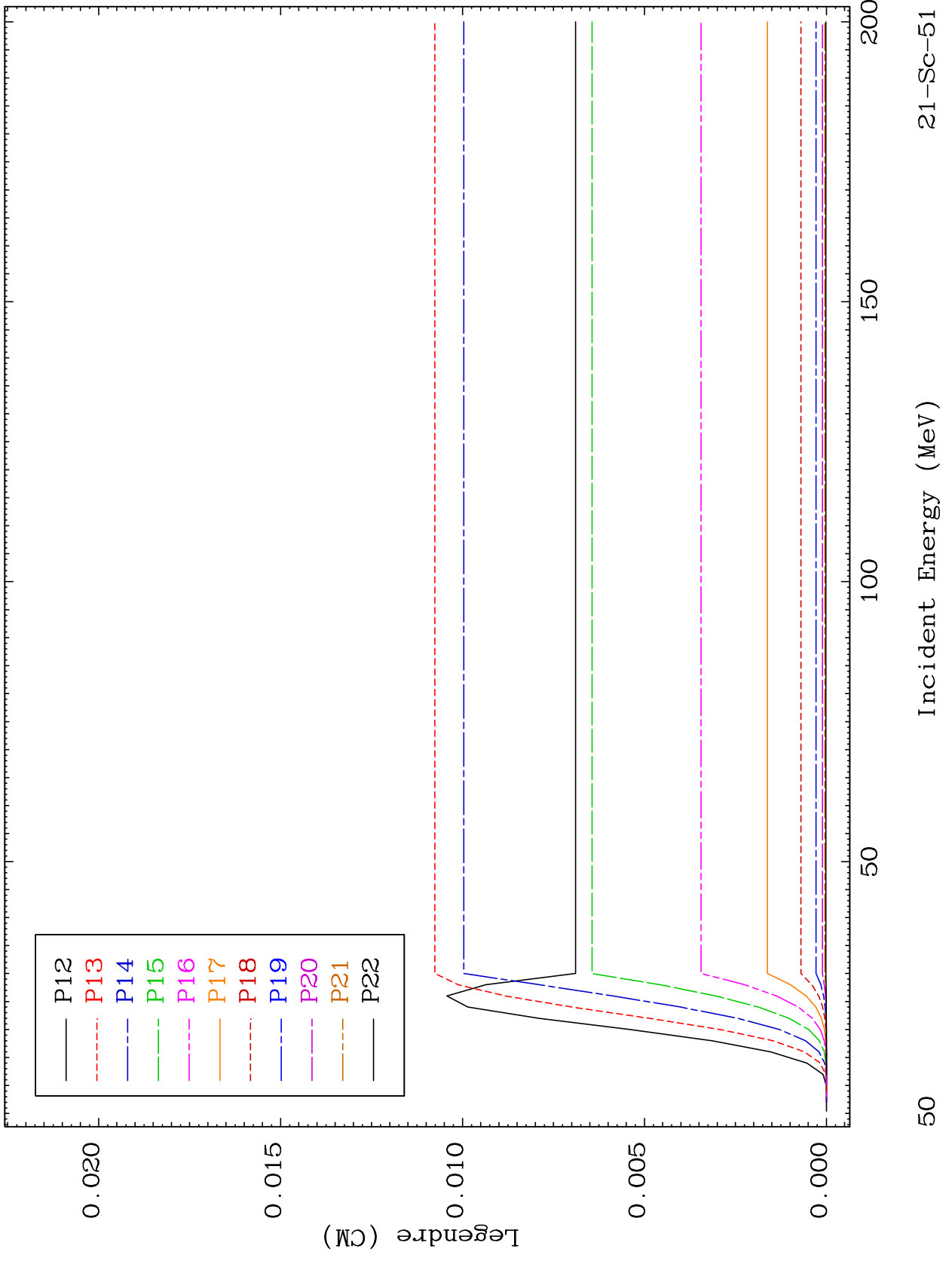
49

21-Sc-51

MAT 2143

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

21-Sc-51



21-Sc-51

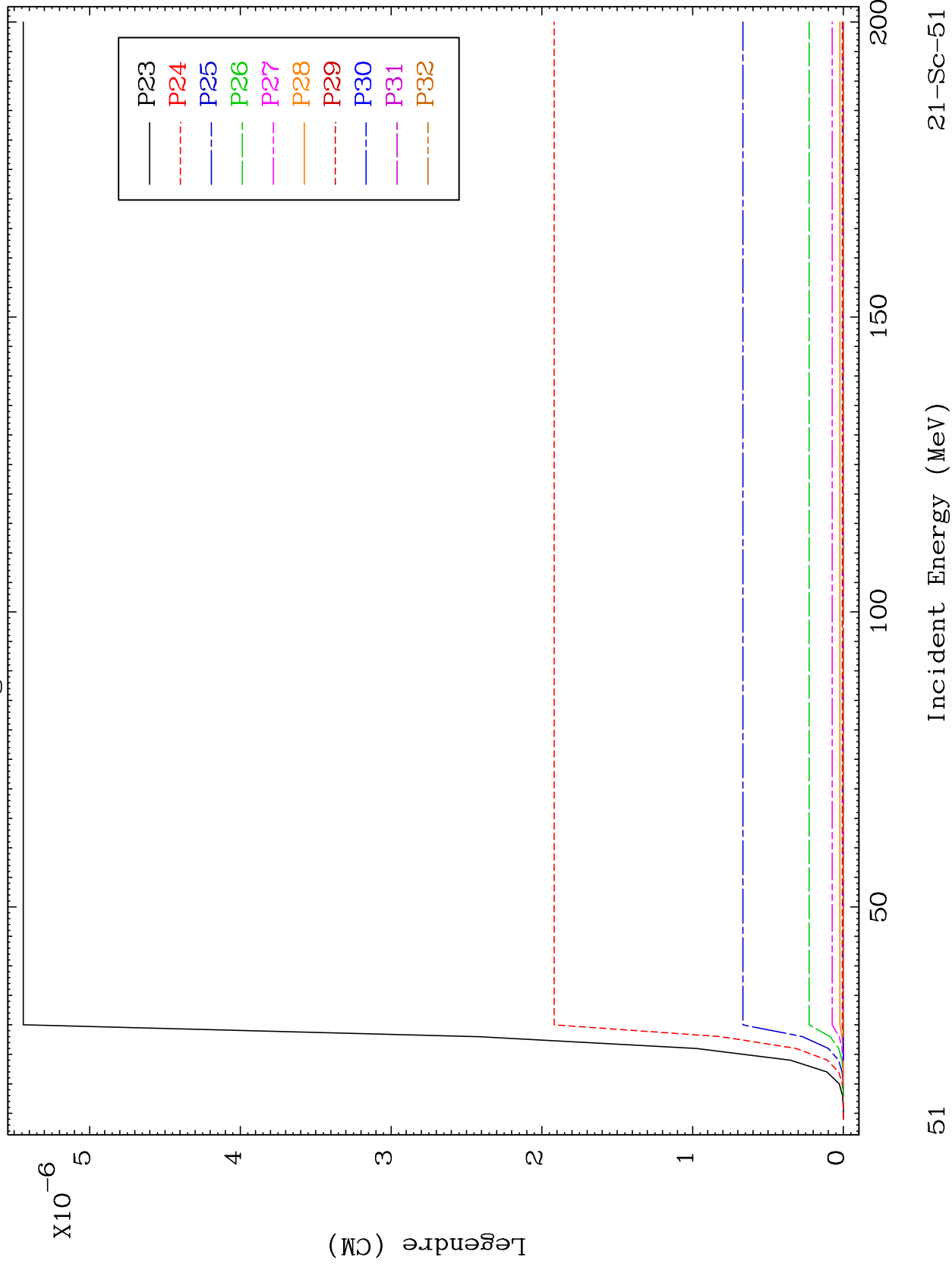
Incident Energy (MeV)

50

MAT 2143

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

21-Sc-51



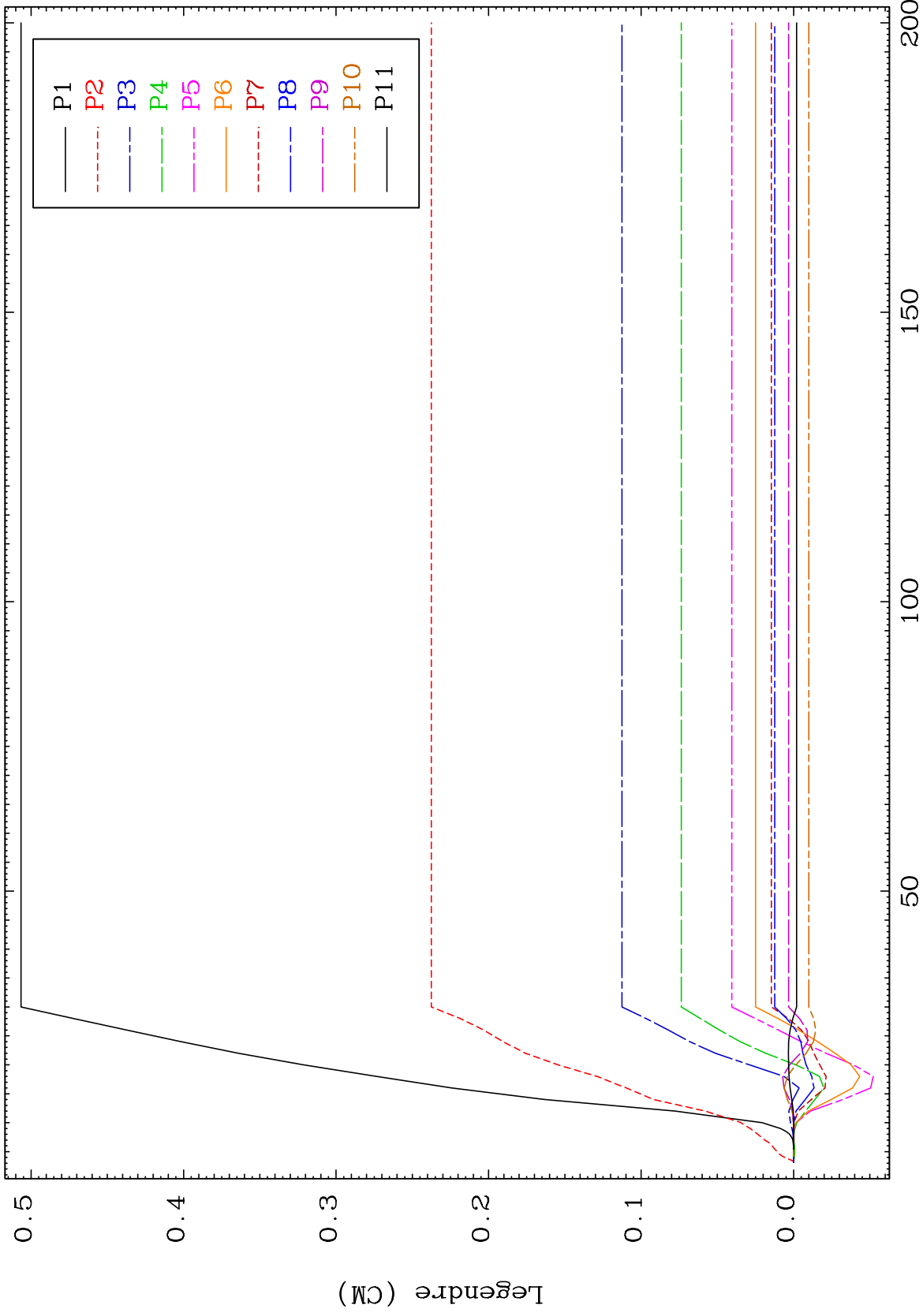
51

21-Sc-51

MAT 2143

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

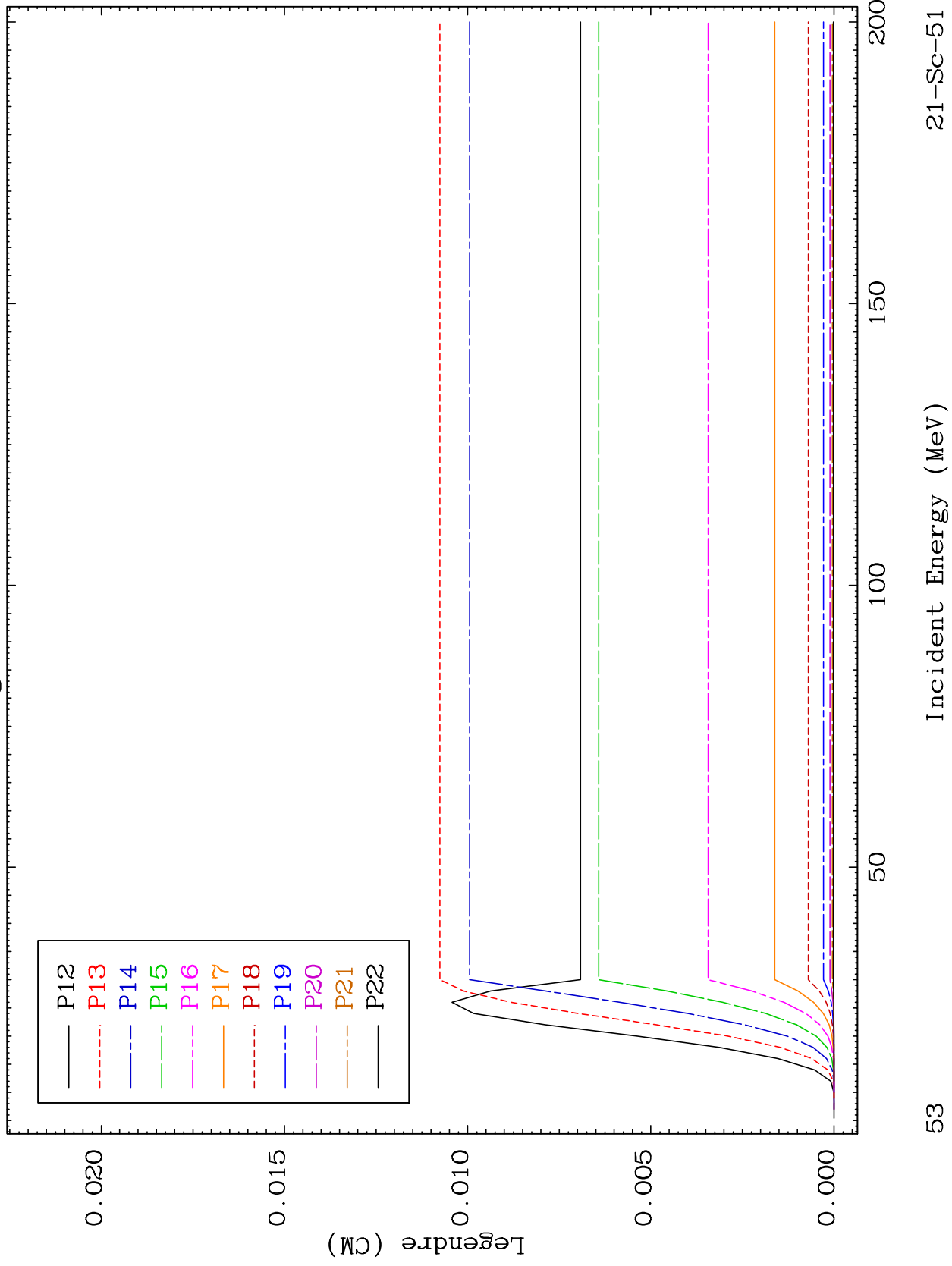
21-Sc-51



52

Incident Energy (MeV)

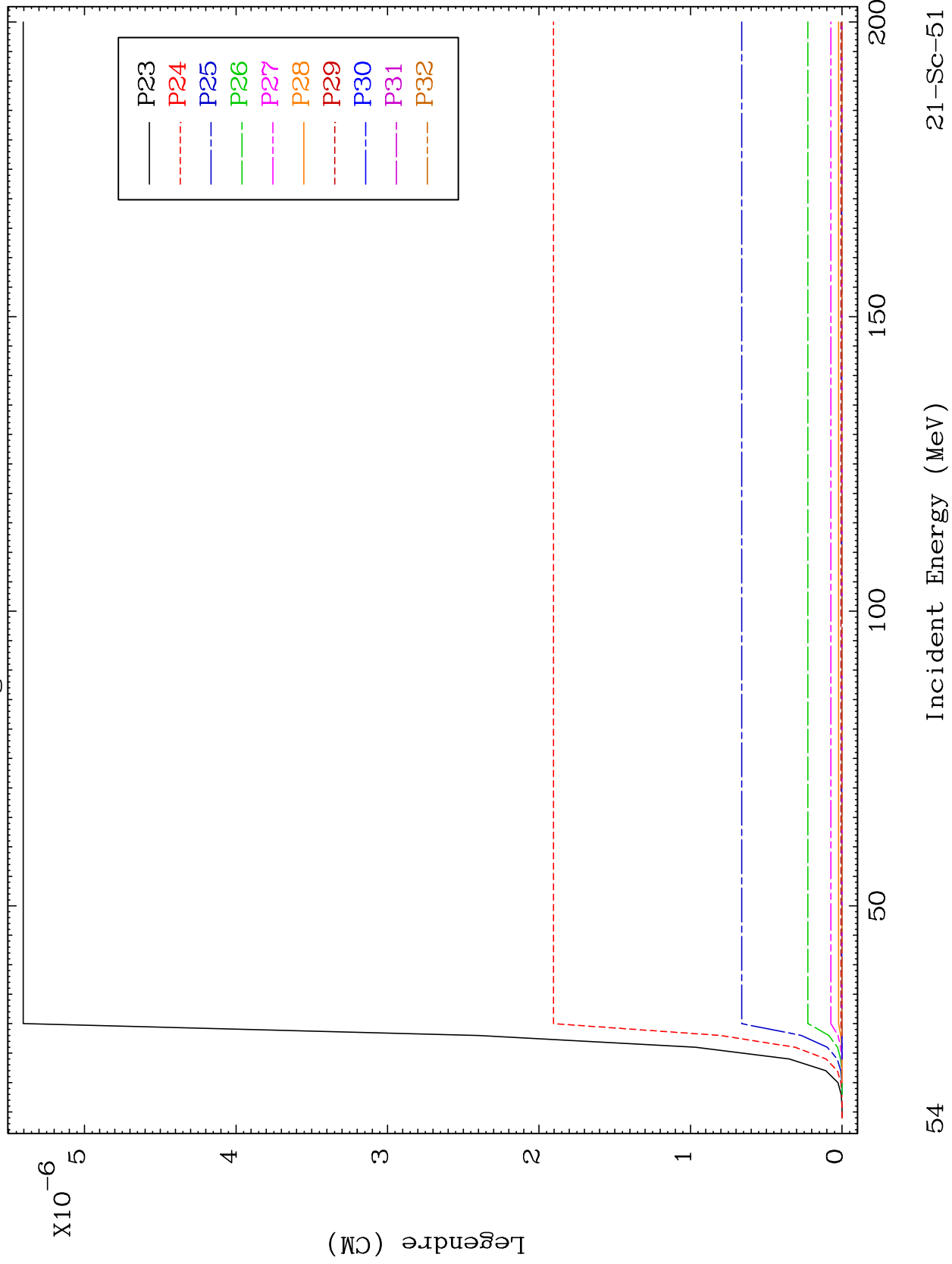
21-Sc-51



MAT 2143

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

21-Sc-51



54

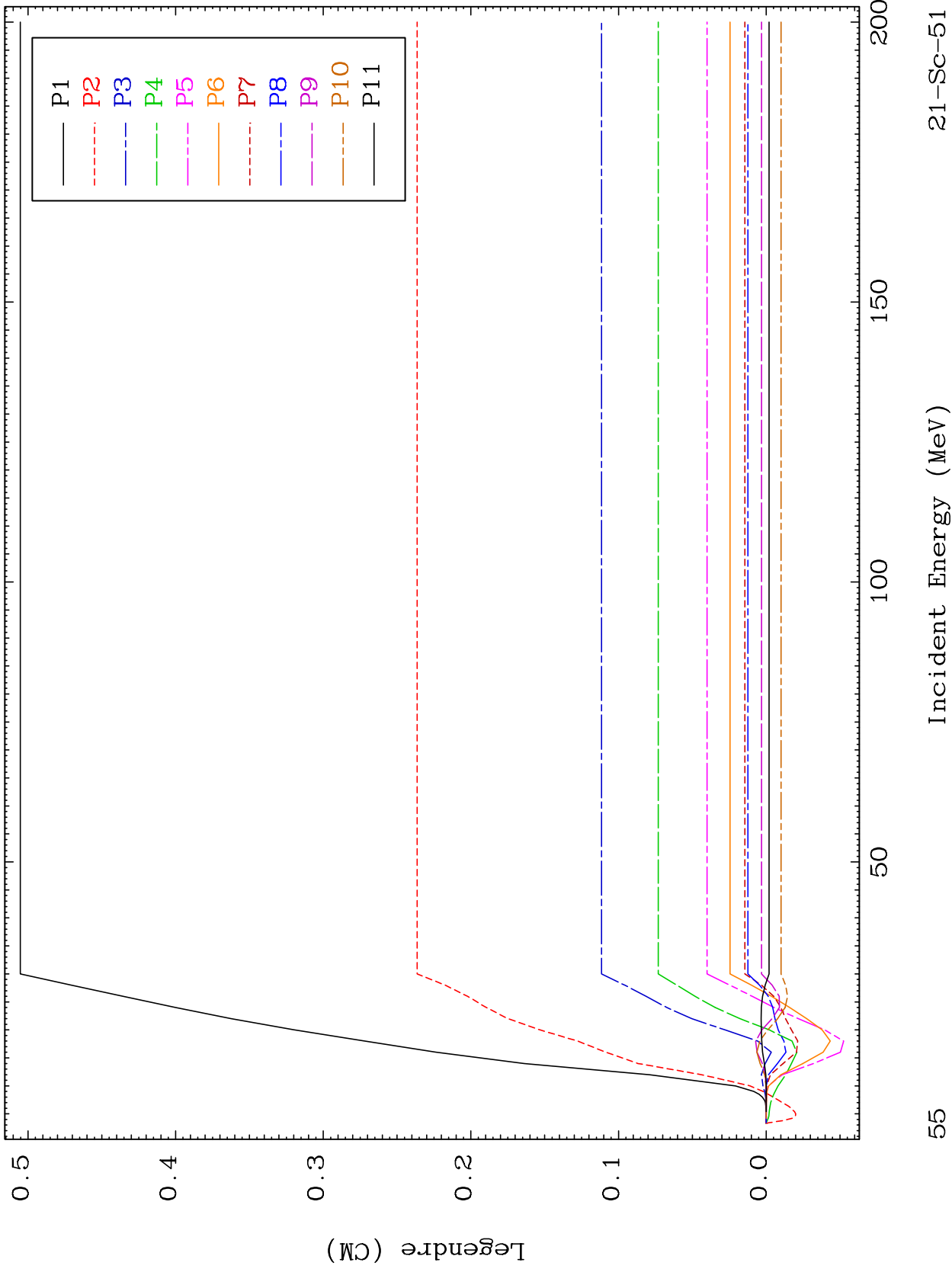
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

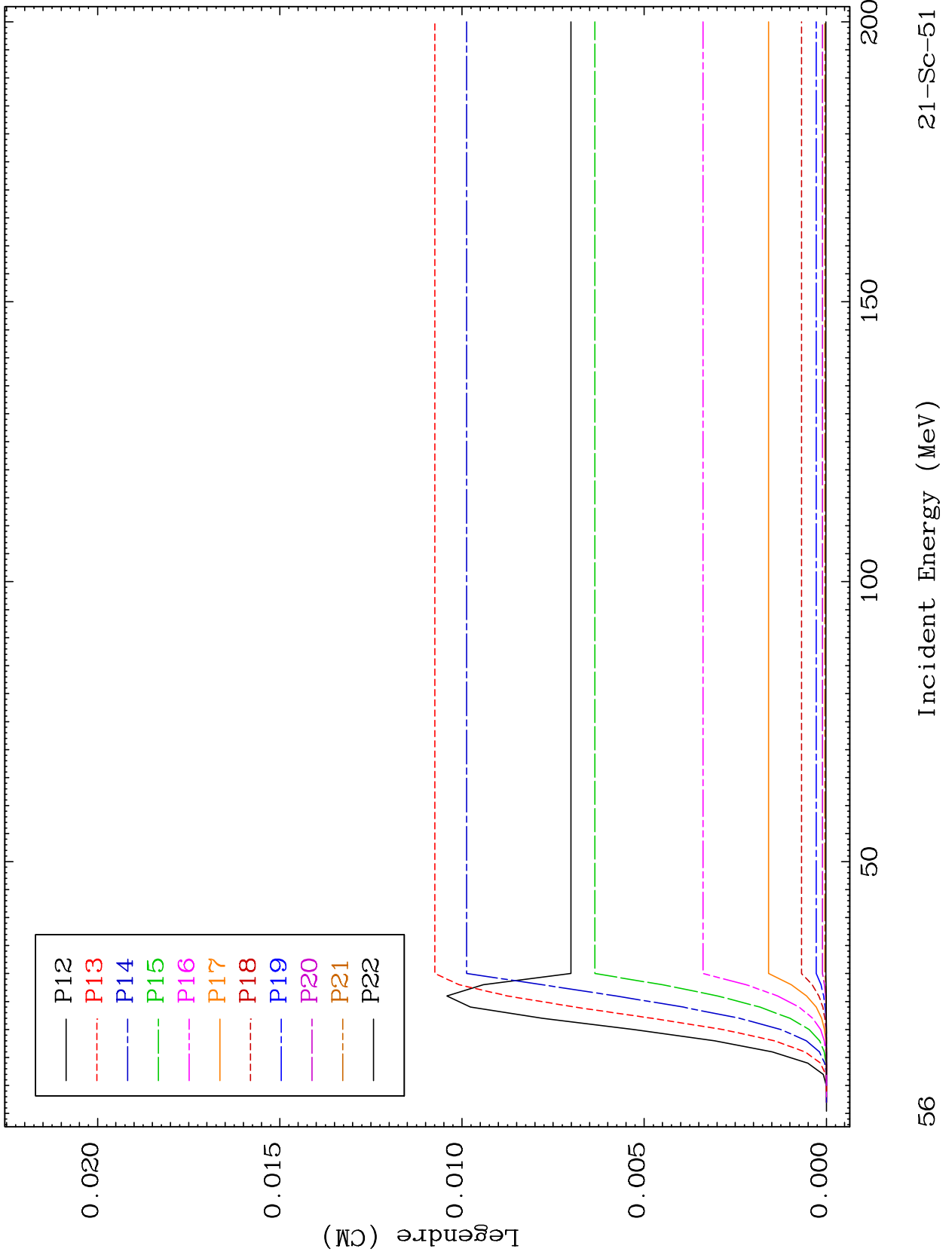


55

Incident Energy (MeV)

21-Sc-51

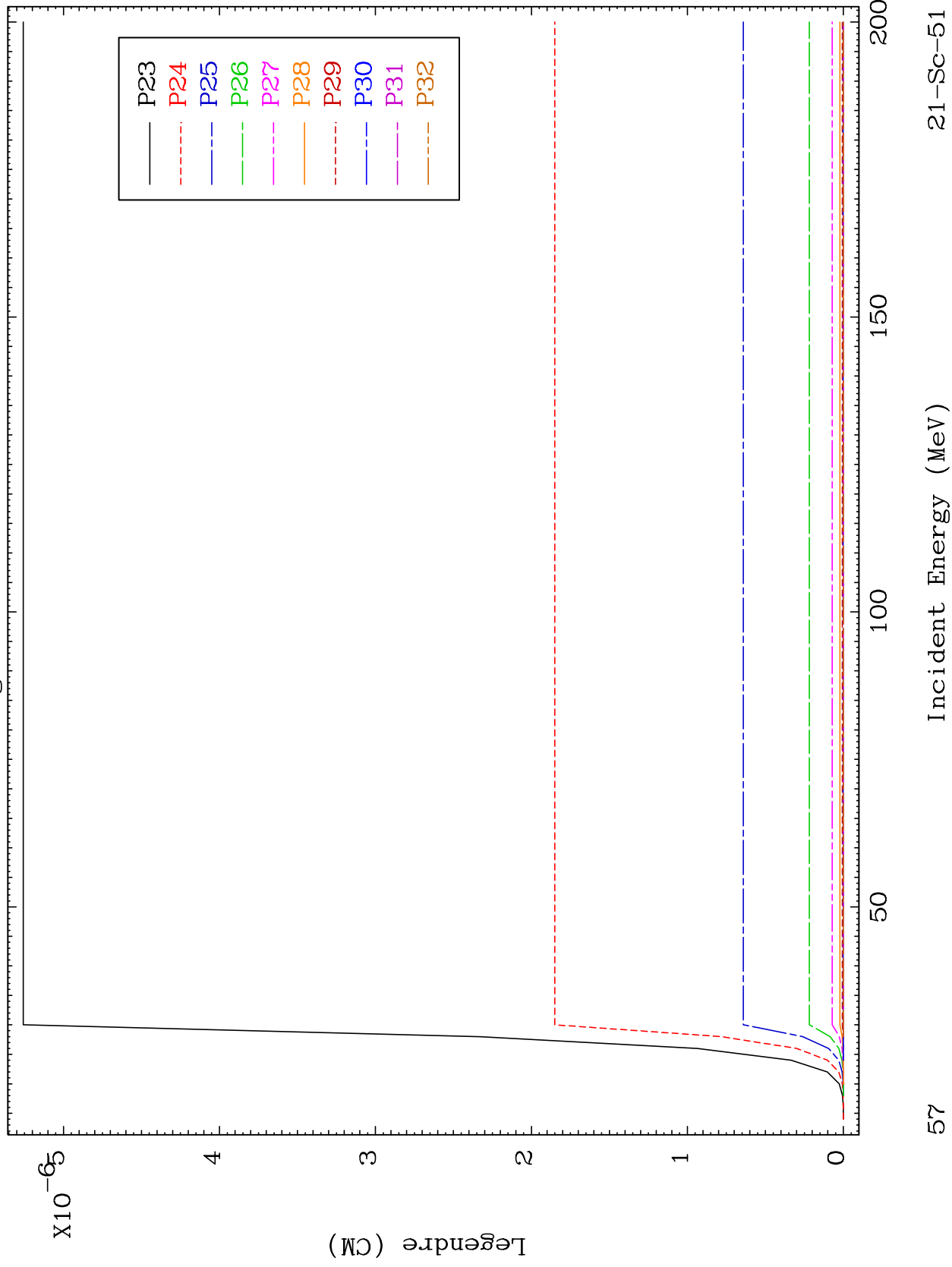




MAT 2143

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

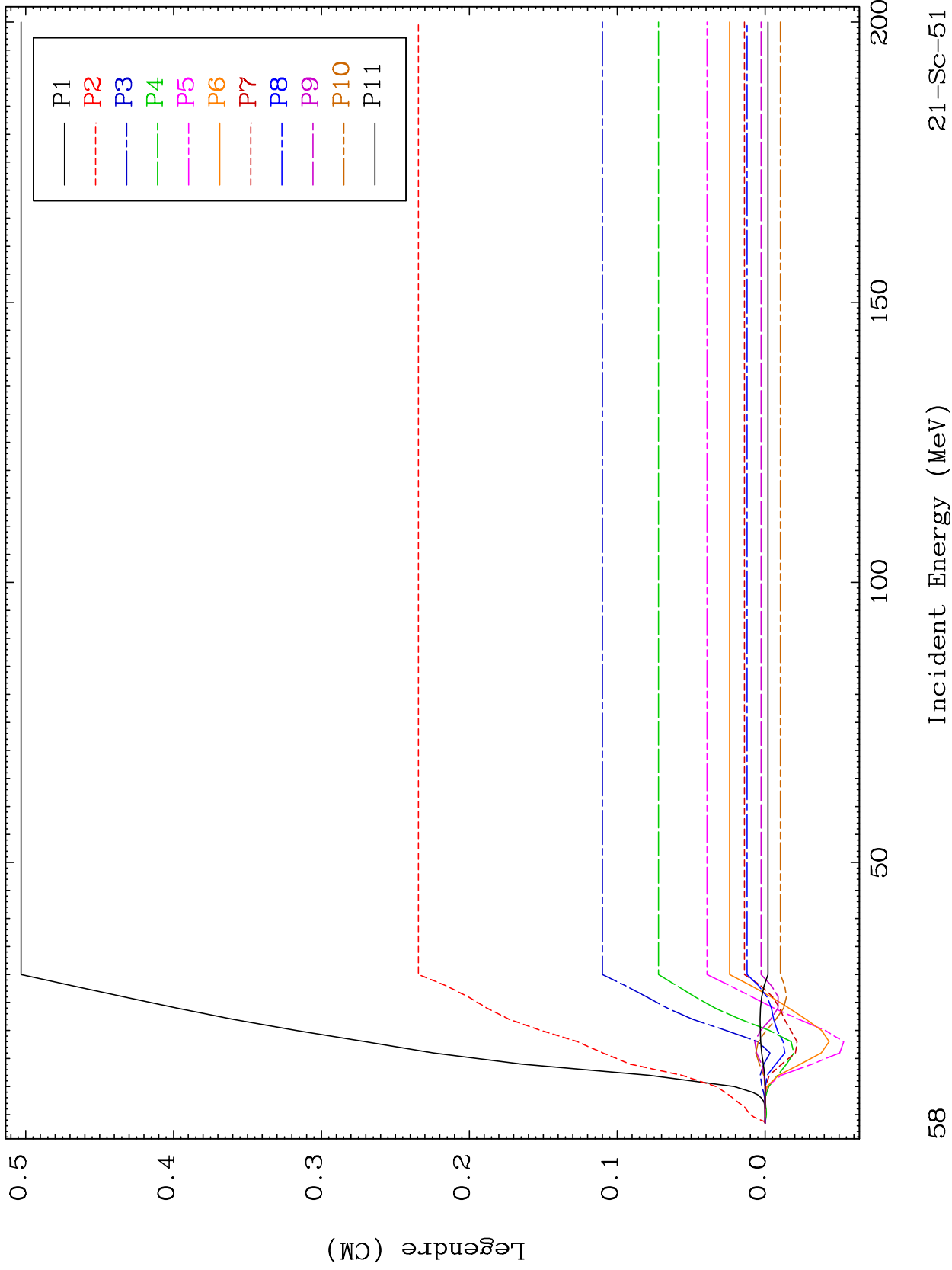
21-Sc-51



MAT 2143

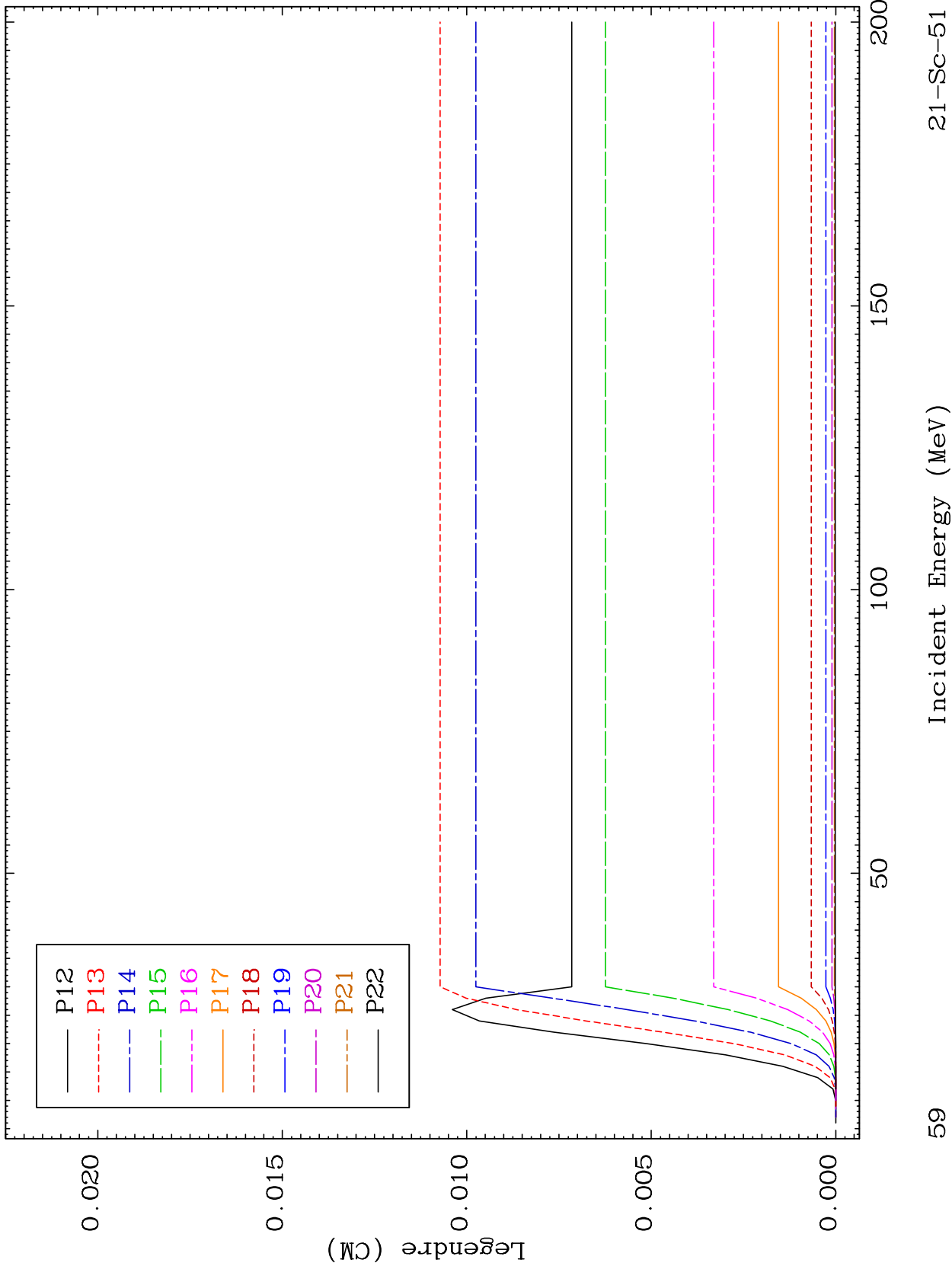
MT= 64 (n,n') Level  
Legendre Coefficients

21-Sc-51



58

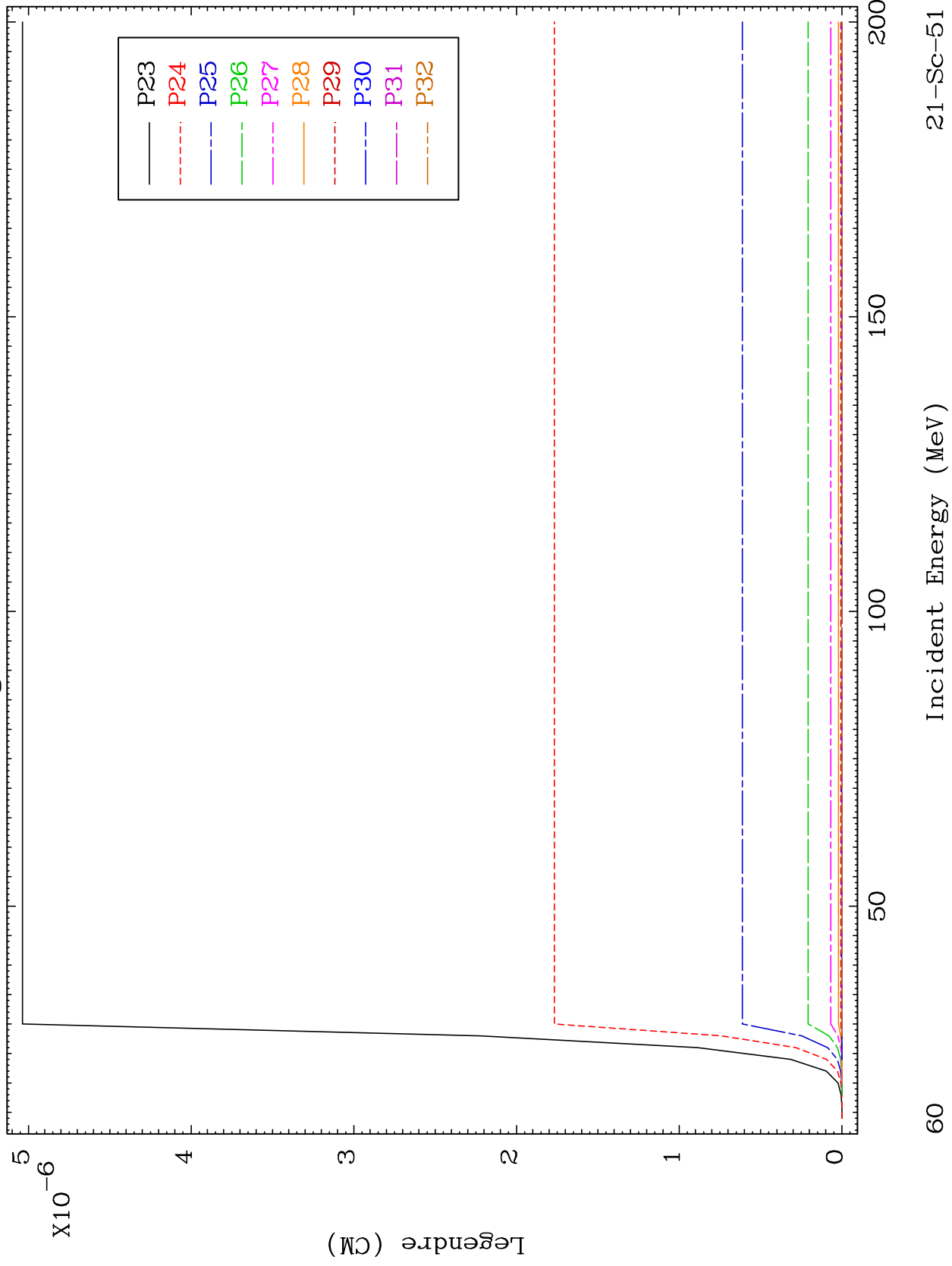
21-Sc-51



MAT 2143

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

21-Sc-51

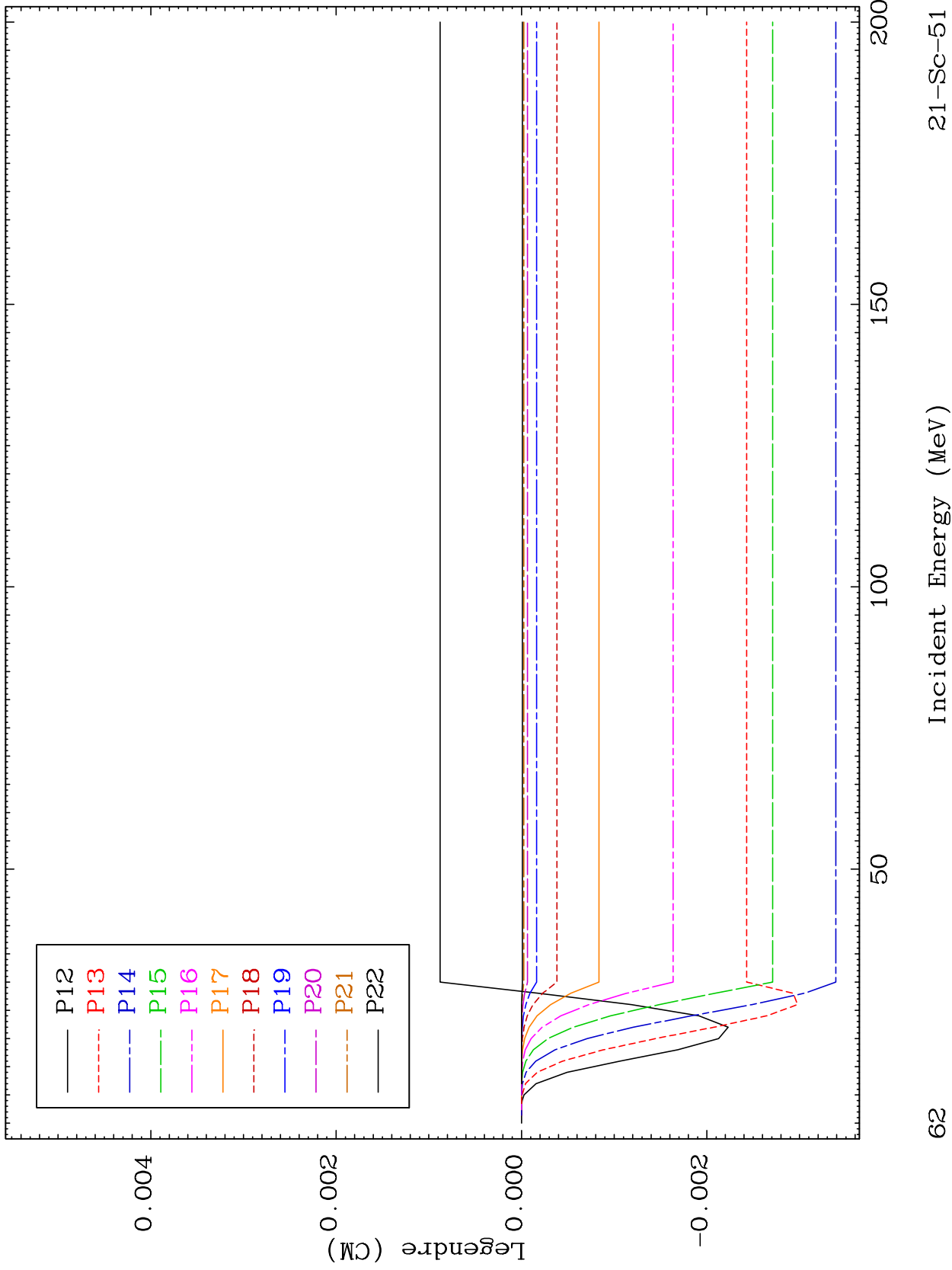




MAT 2143

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

21-Sc-51



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Incident Energy (MeV)

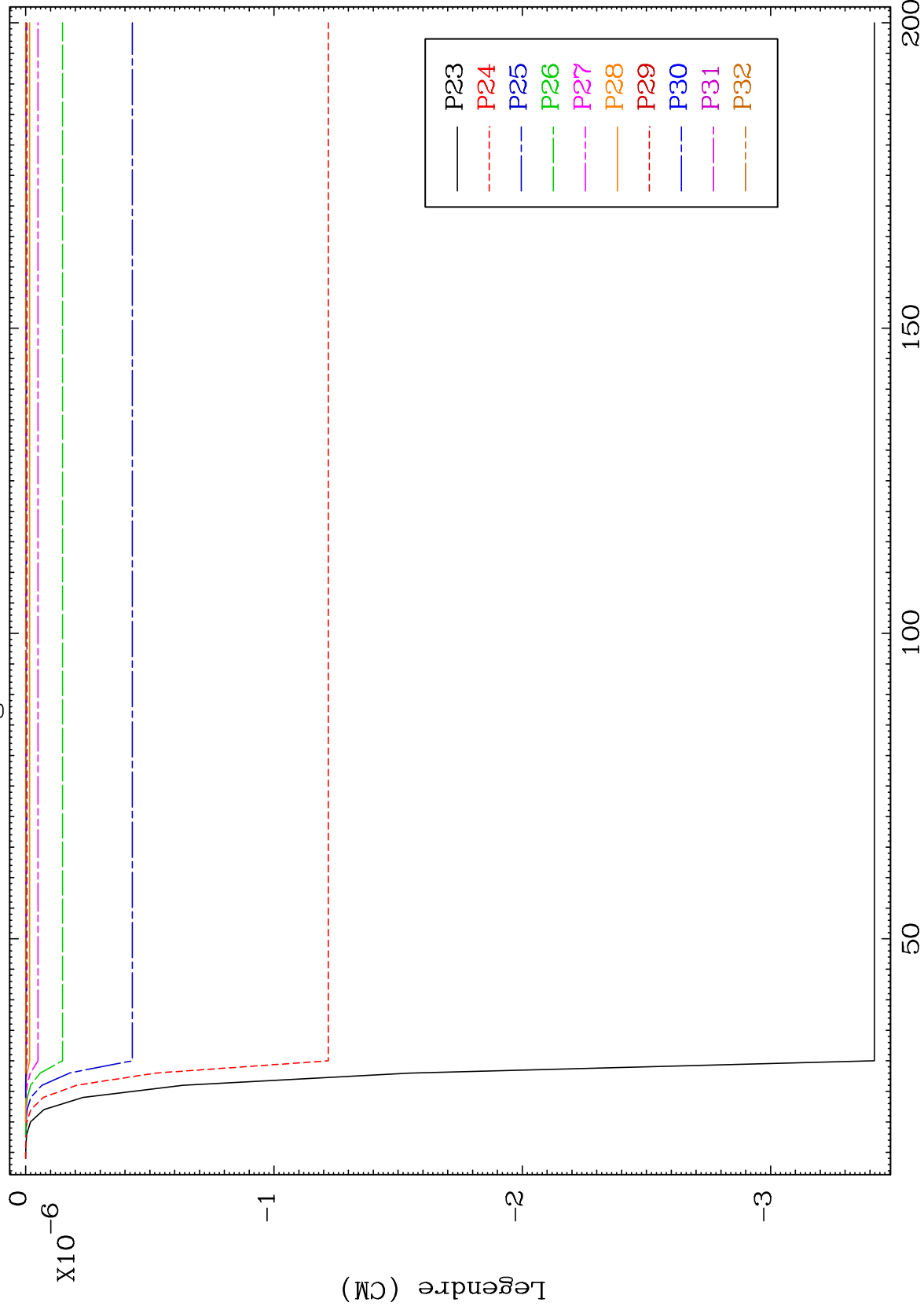
21-Sc-51

MAT 2143

MT= 65 (n,n') Level

21-Sc-51

Legendre Coefficients



63

Incident Energy (MeV)

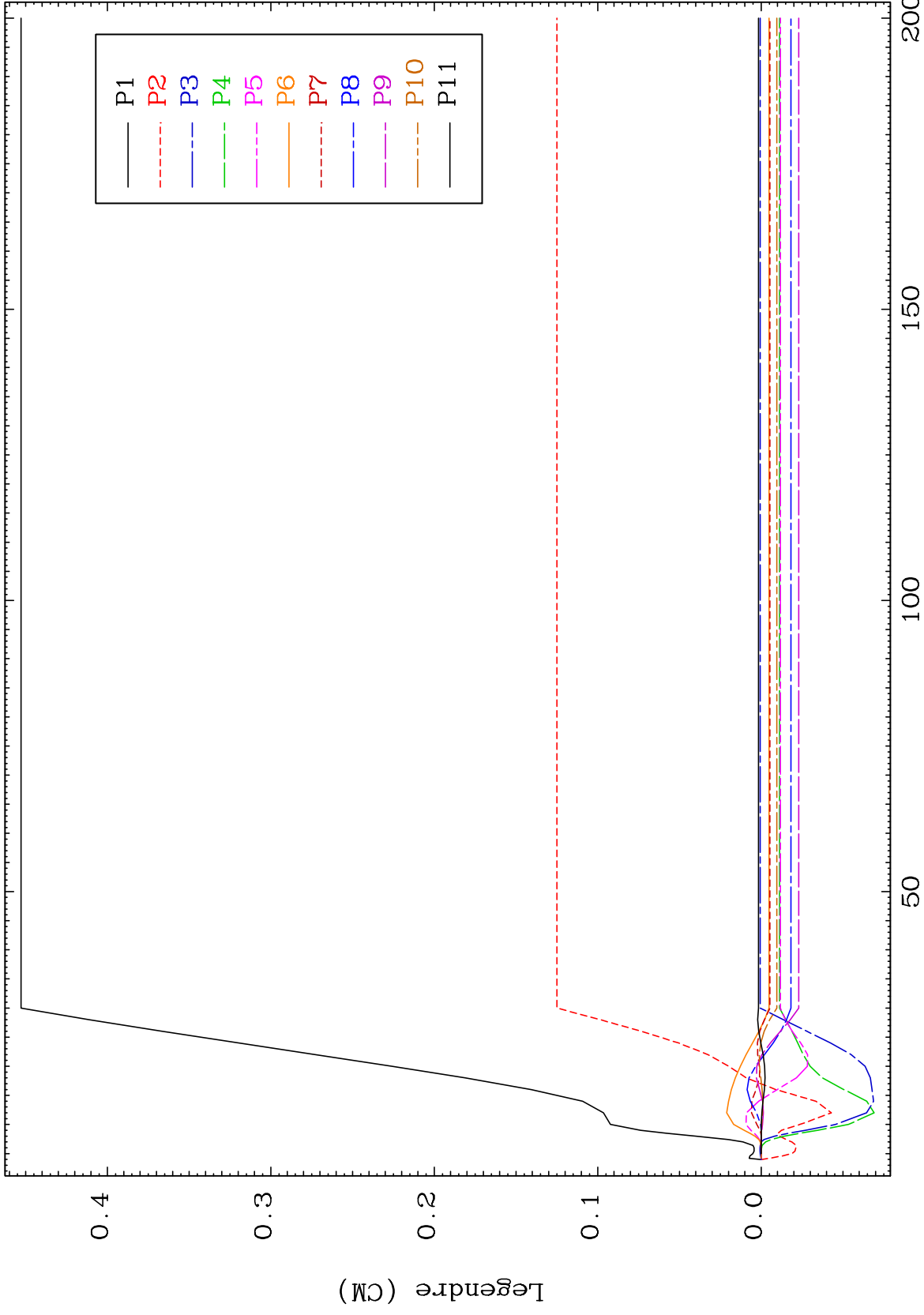
21-Sc-51



MAT 2143

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

21-Sc-51



64

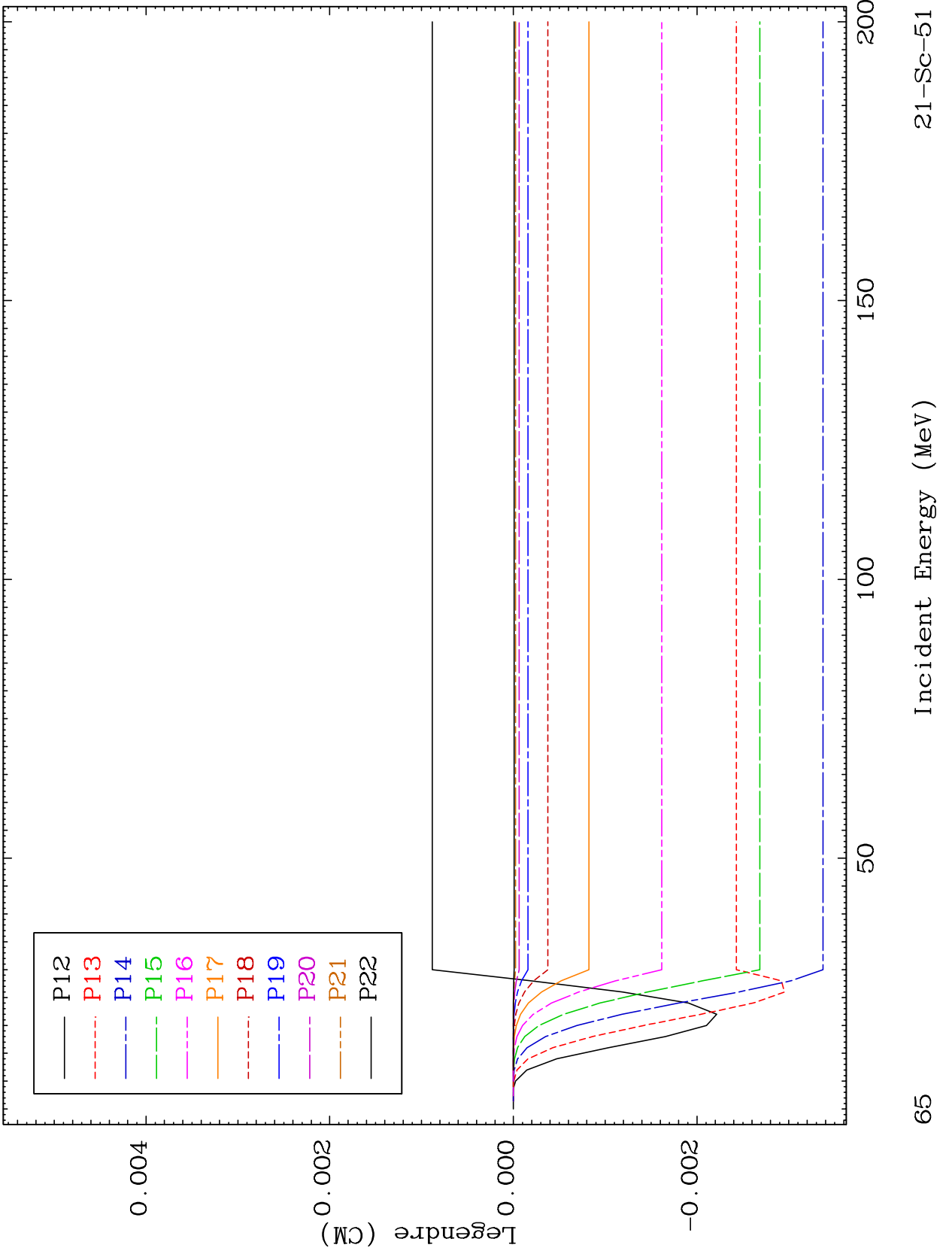
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

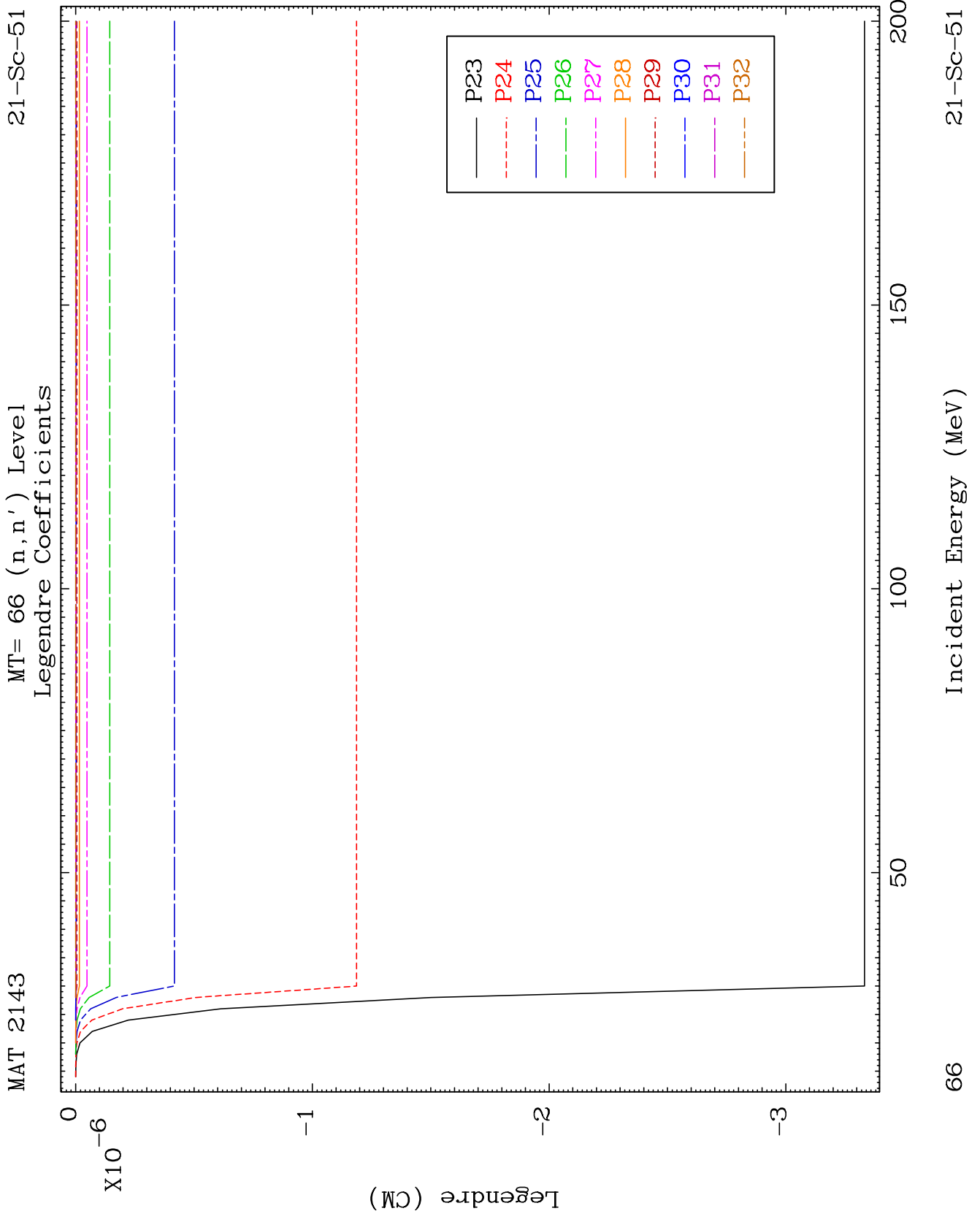
21-Sc-51



65

Incident Energy (MeV)

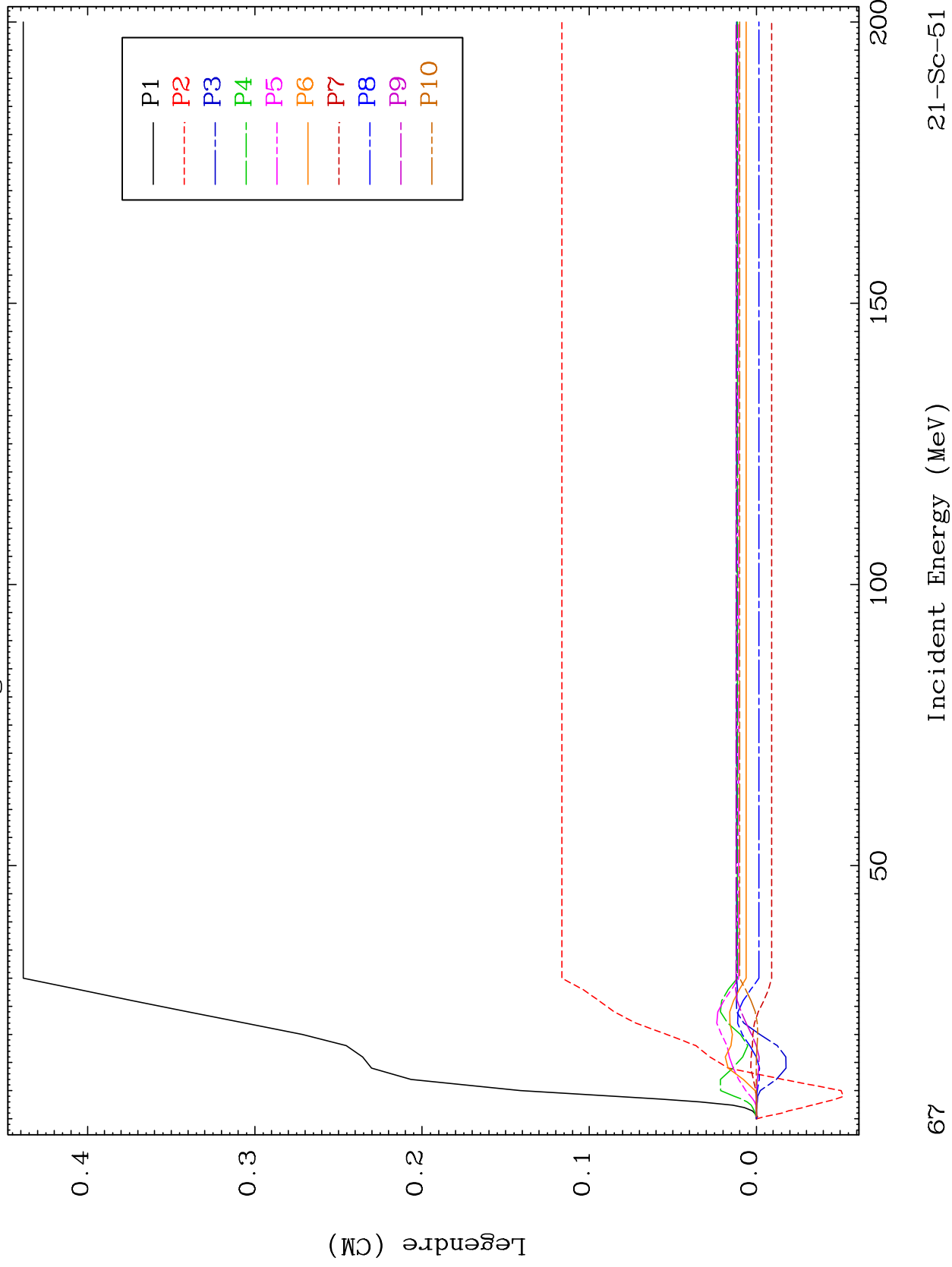
21-Sc-51



MAT 2143

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

21-Sc-51



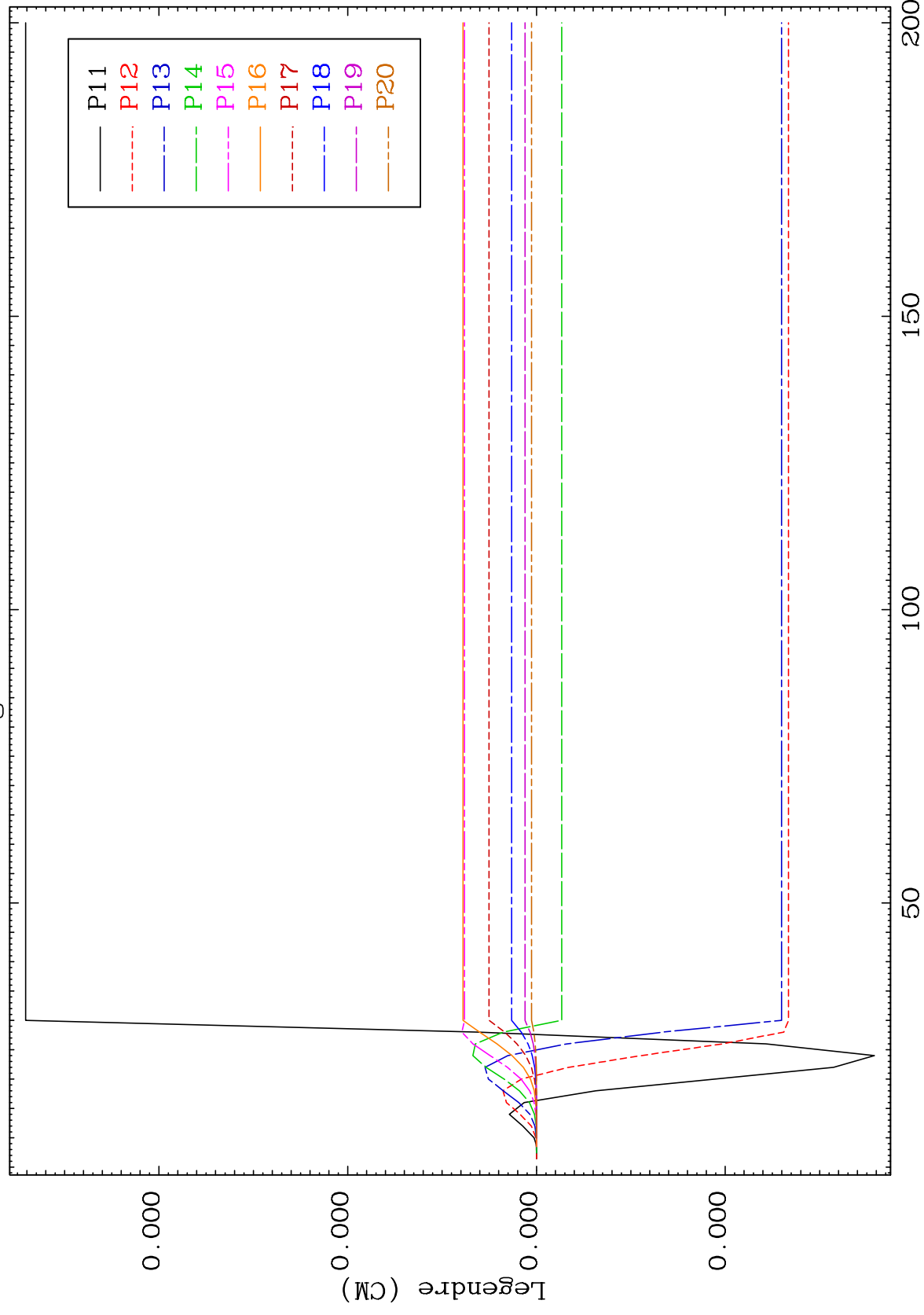
67

21-Sc-51

MAT 2143

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

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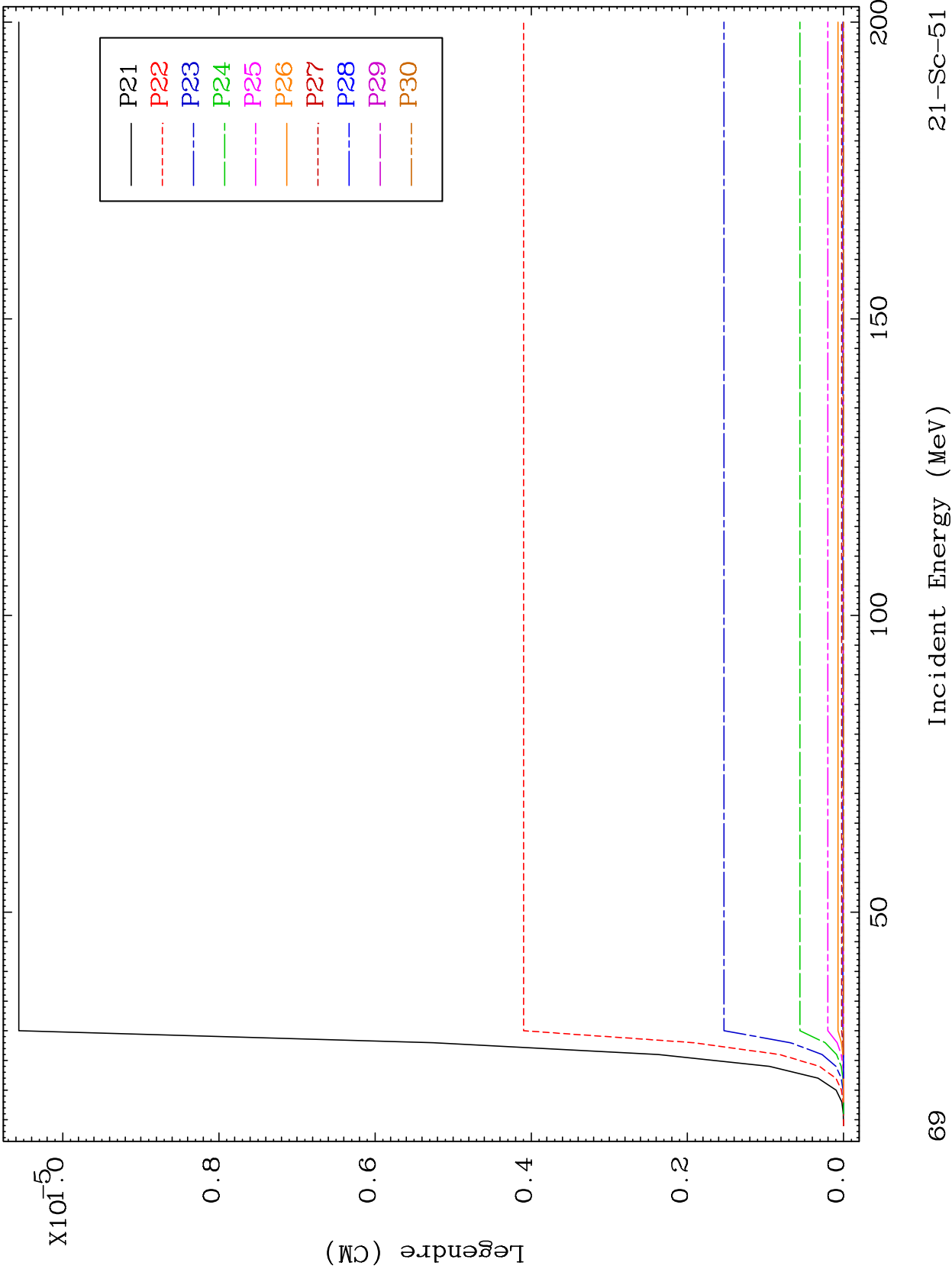
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



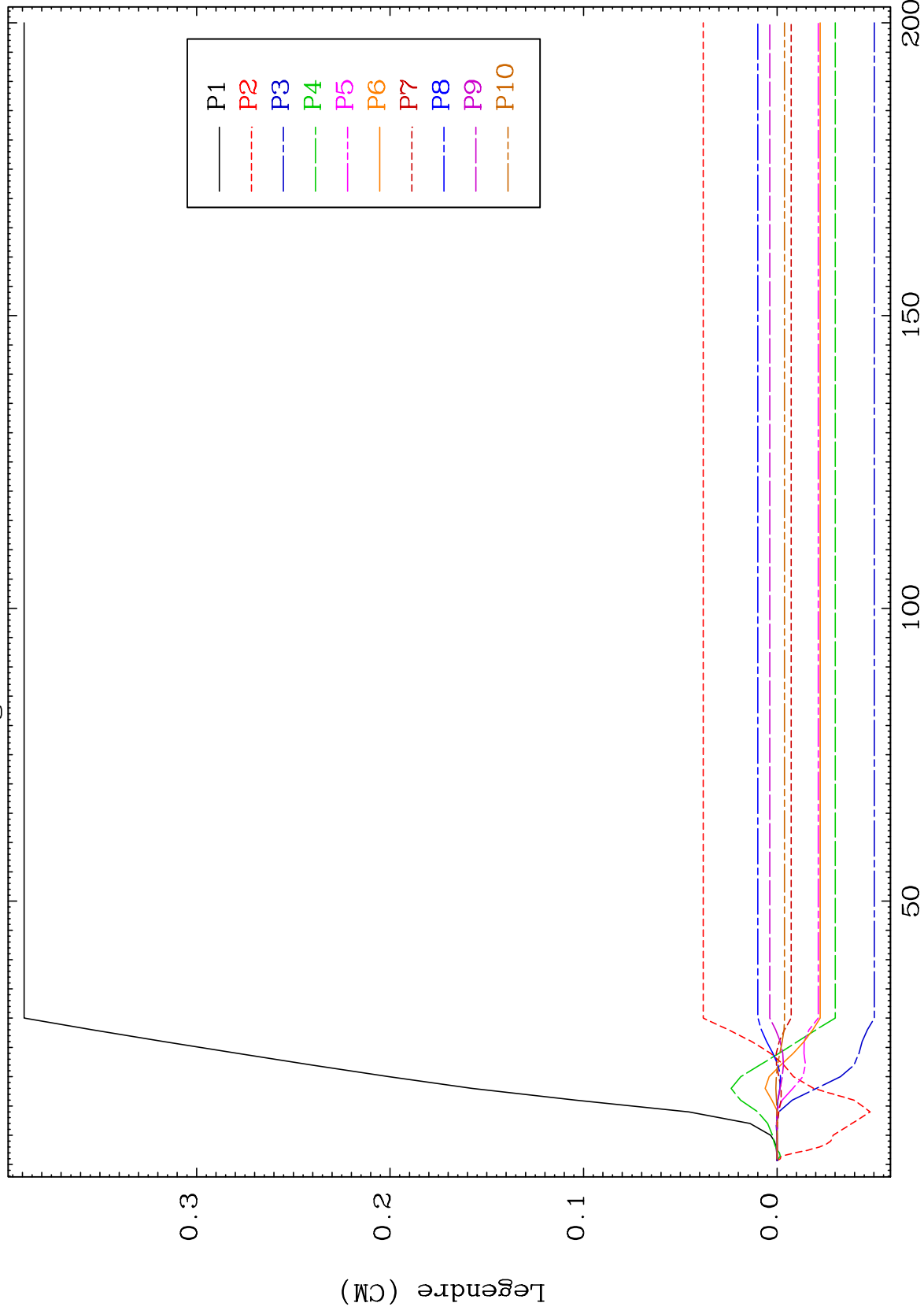
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21-Sc-51

MAT 2143

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

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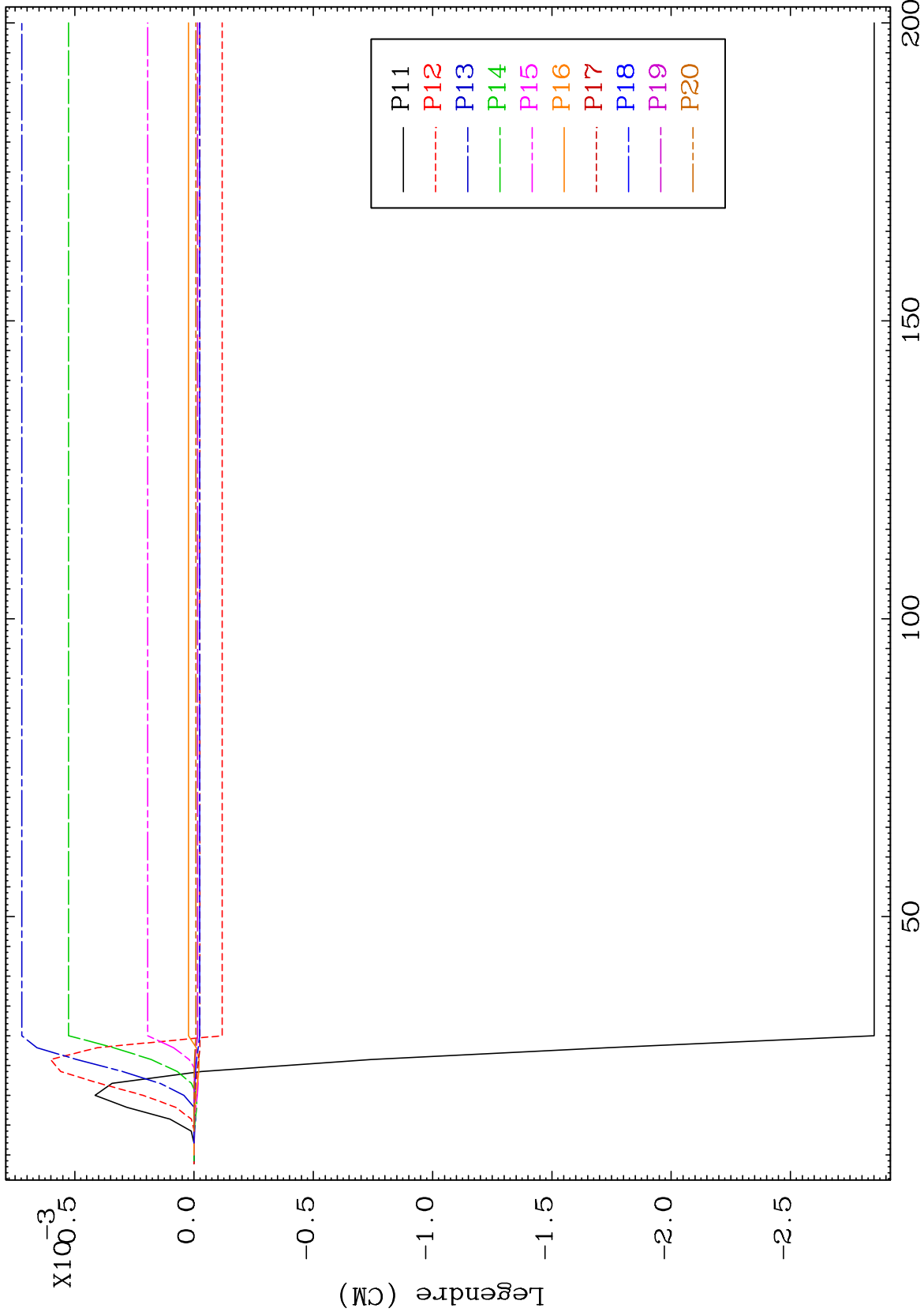
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

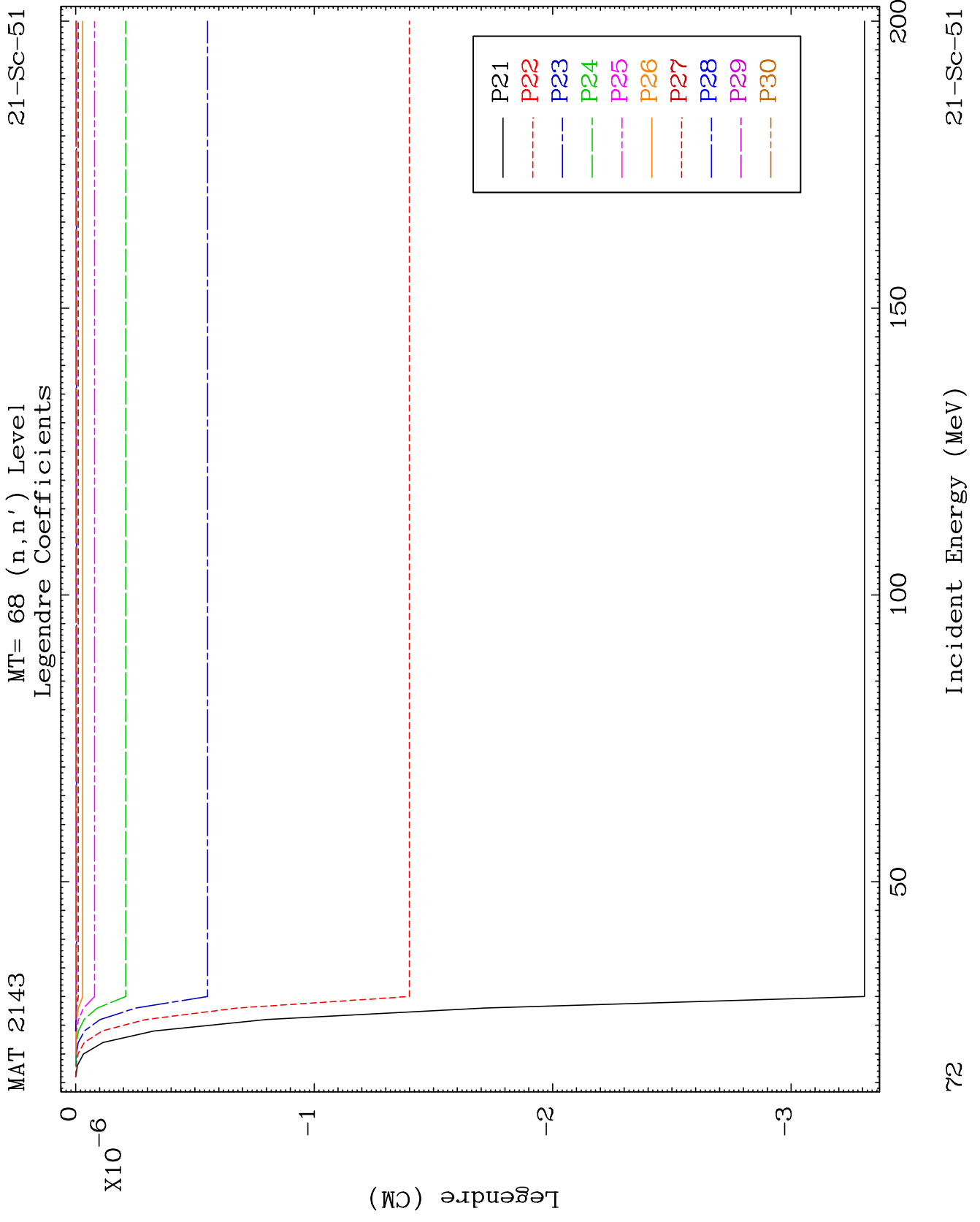


71

Incident Energy (MeV)

21-Sc-51

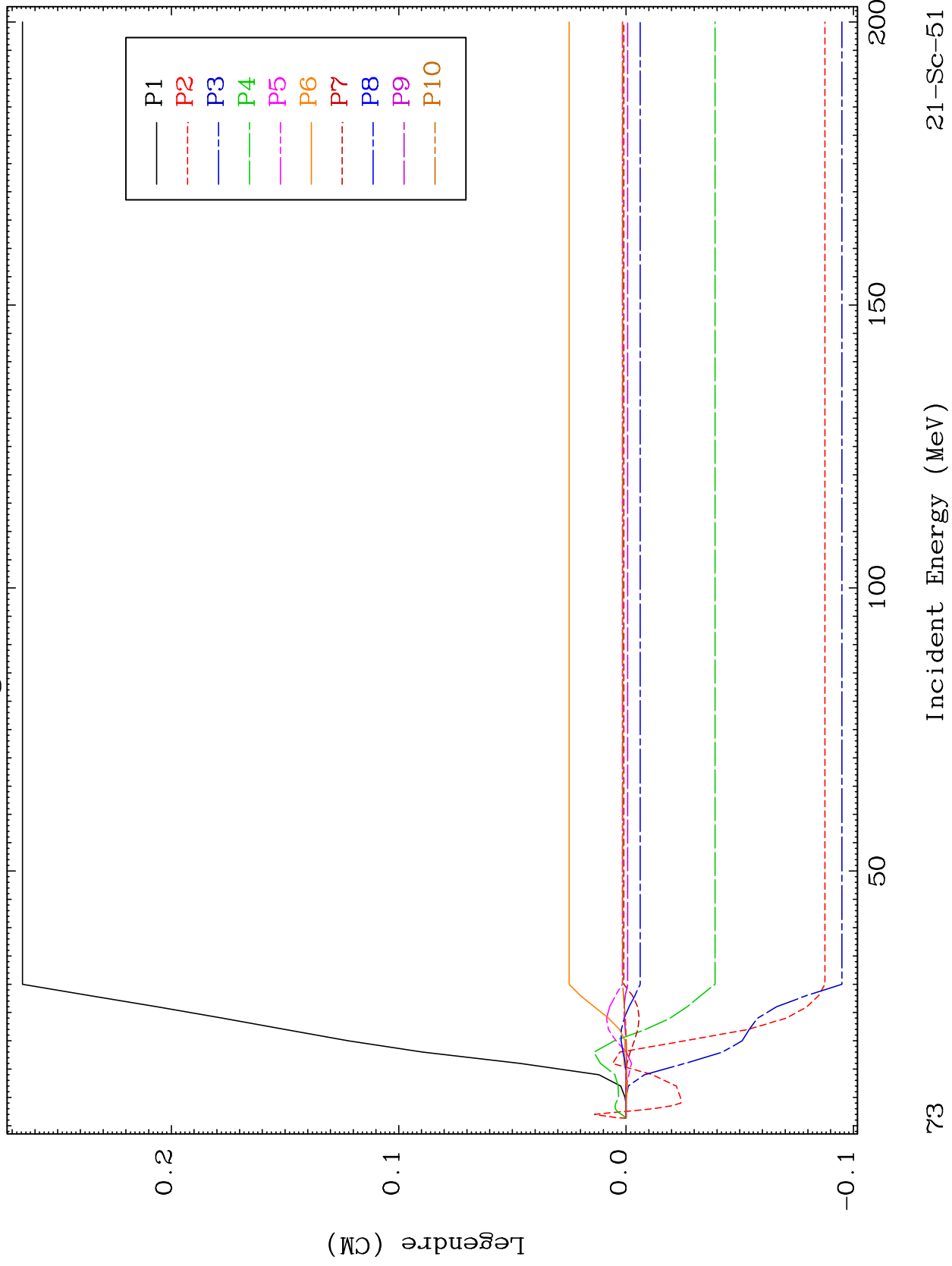




MAT 2143

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

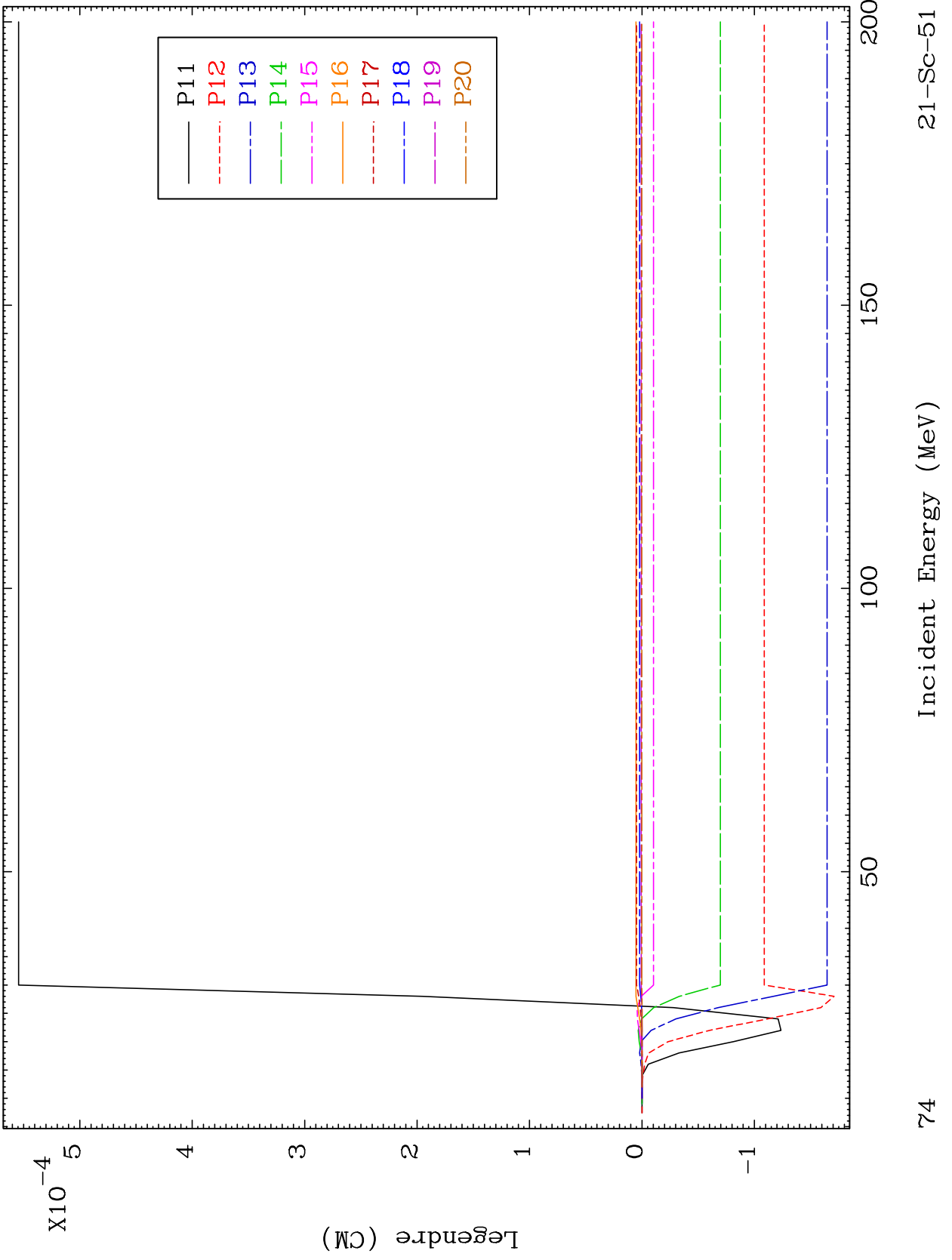
21-Sc-51



MAT 2143

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

21-Sc-51



74

Incident Energy (MeV)

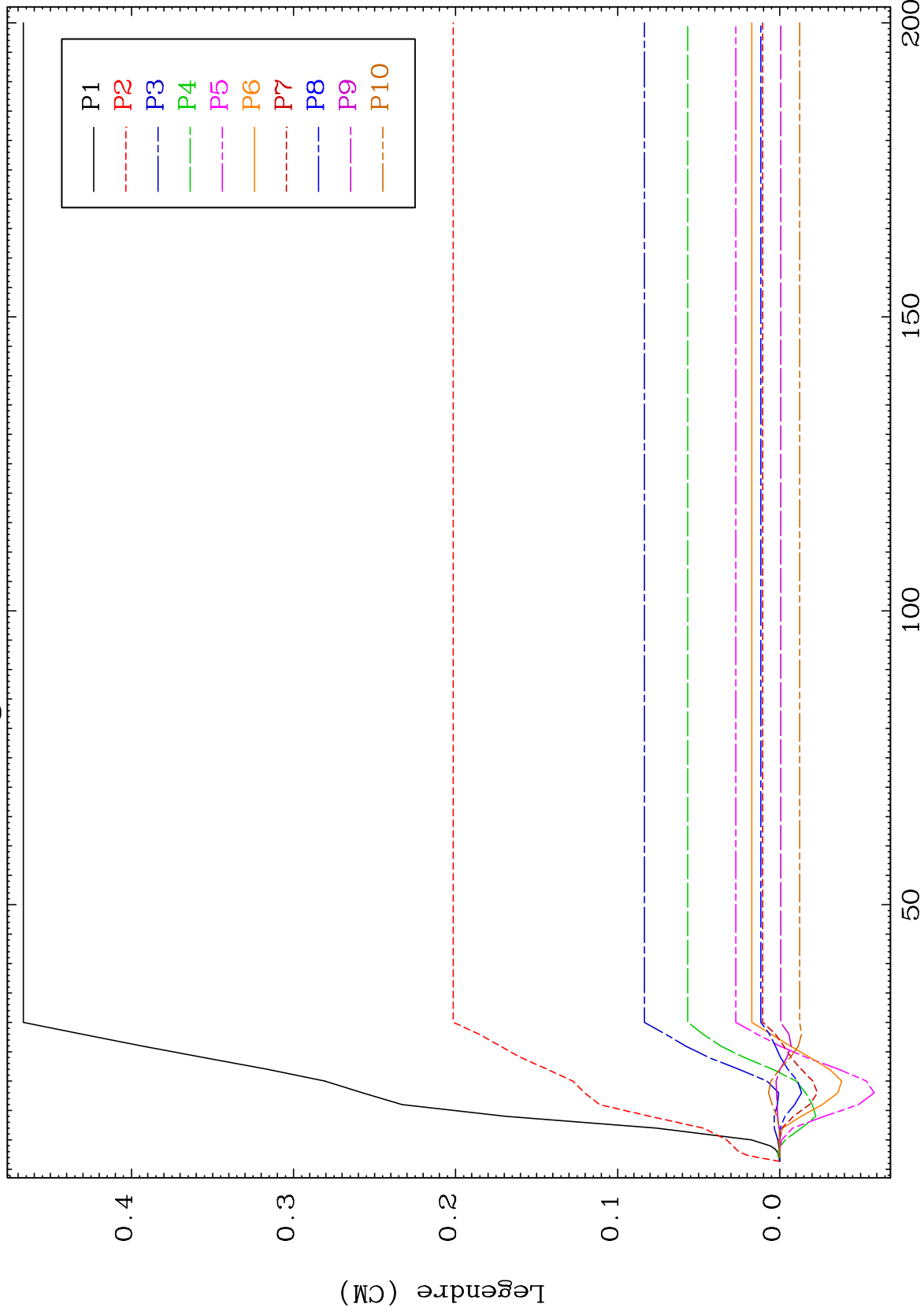
21-Sc-51



MAT 2143

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

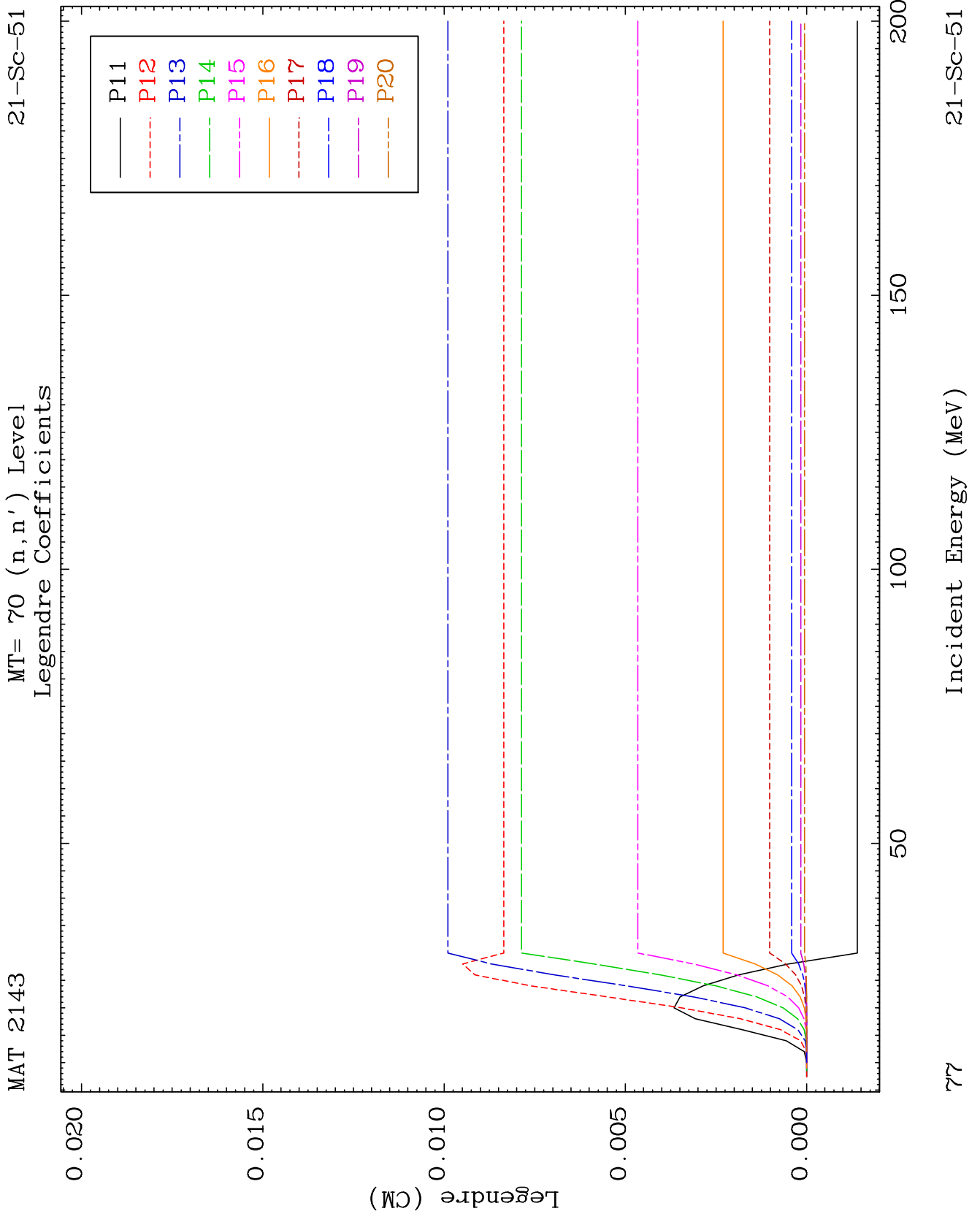
21-Sc-51



76

Incident Energy (MeV)

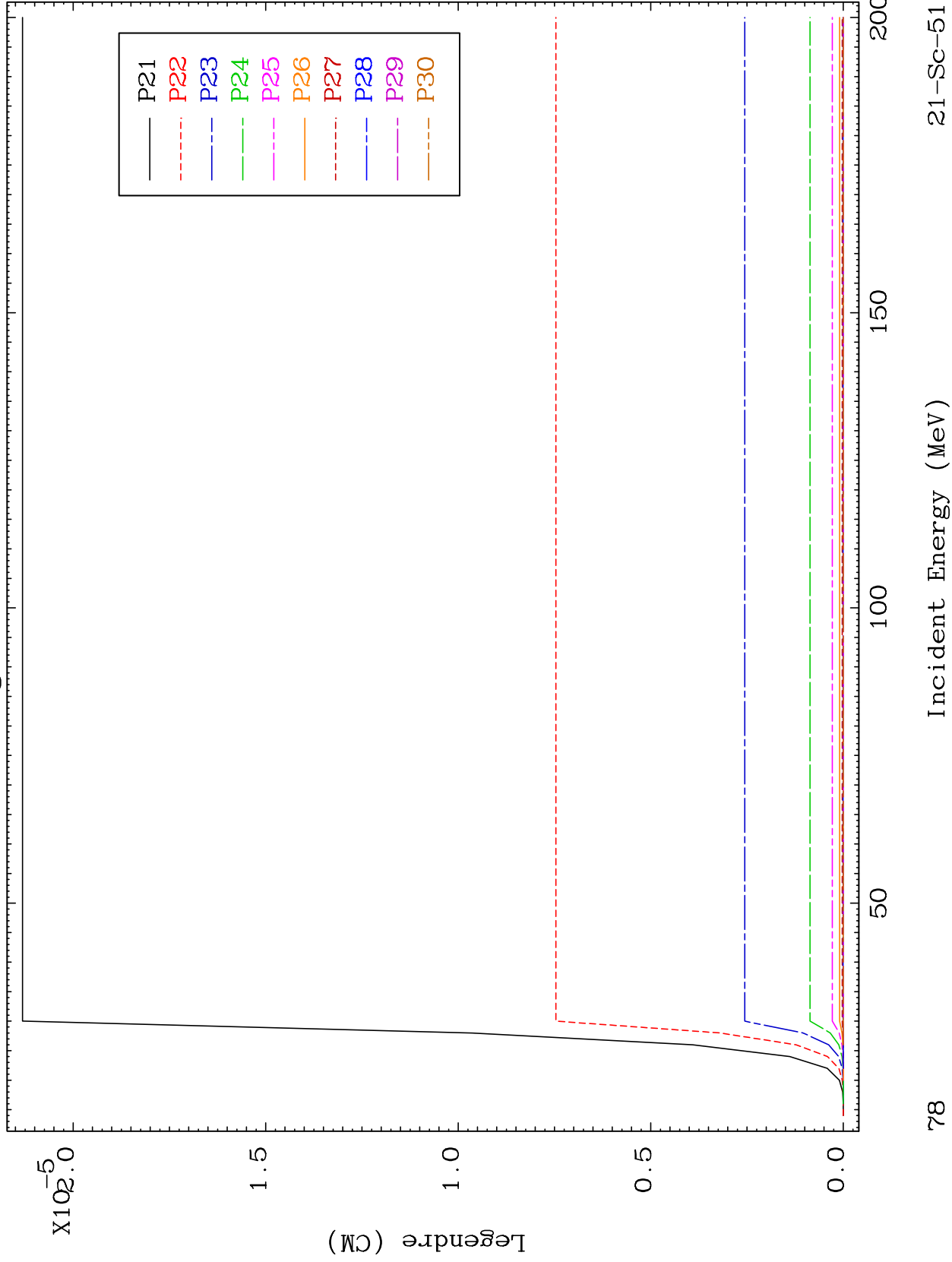
21-Sc-51



MAT 2143

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

21-Sc-51



78

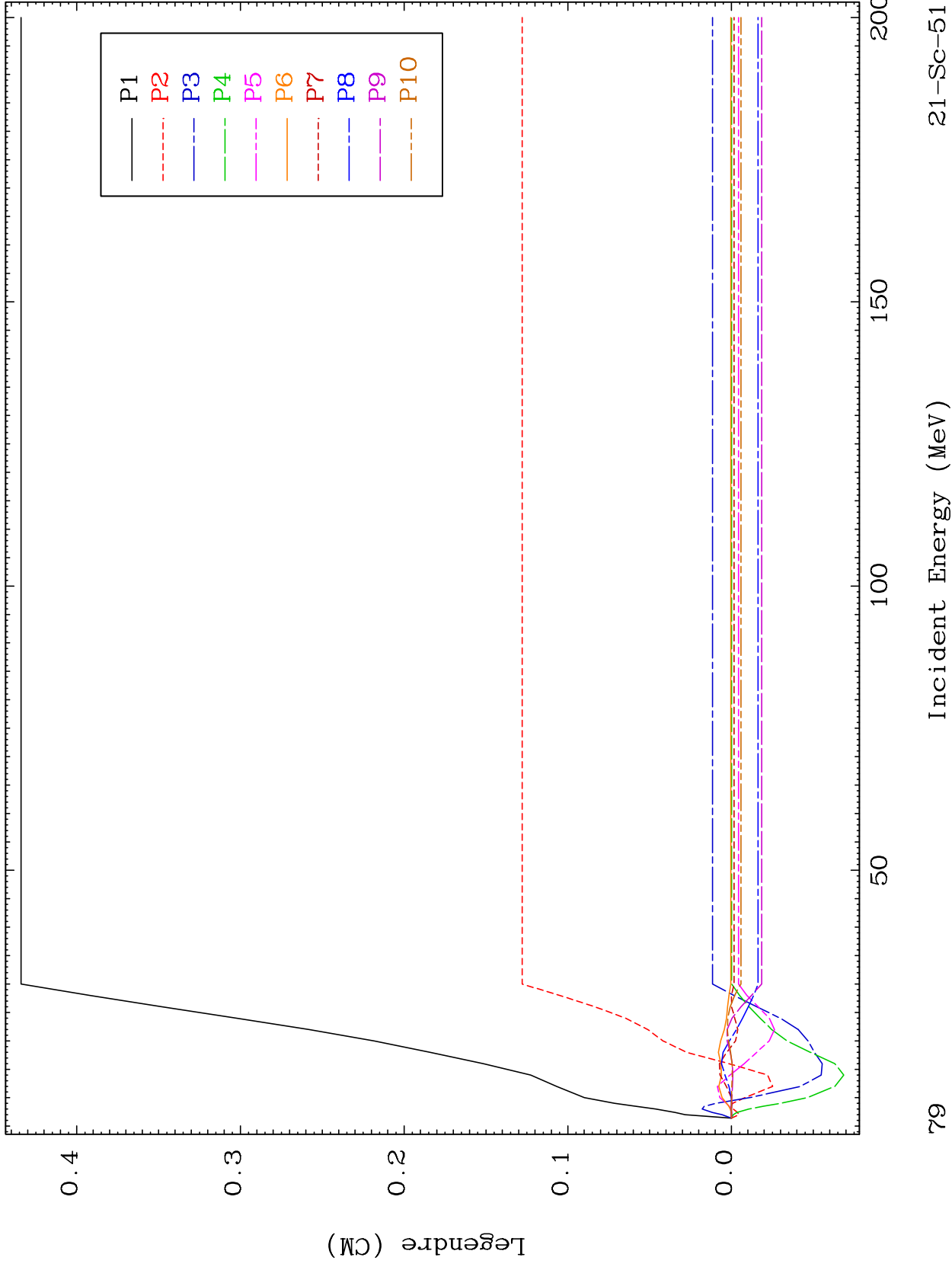
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

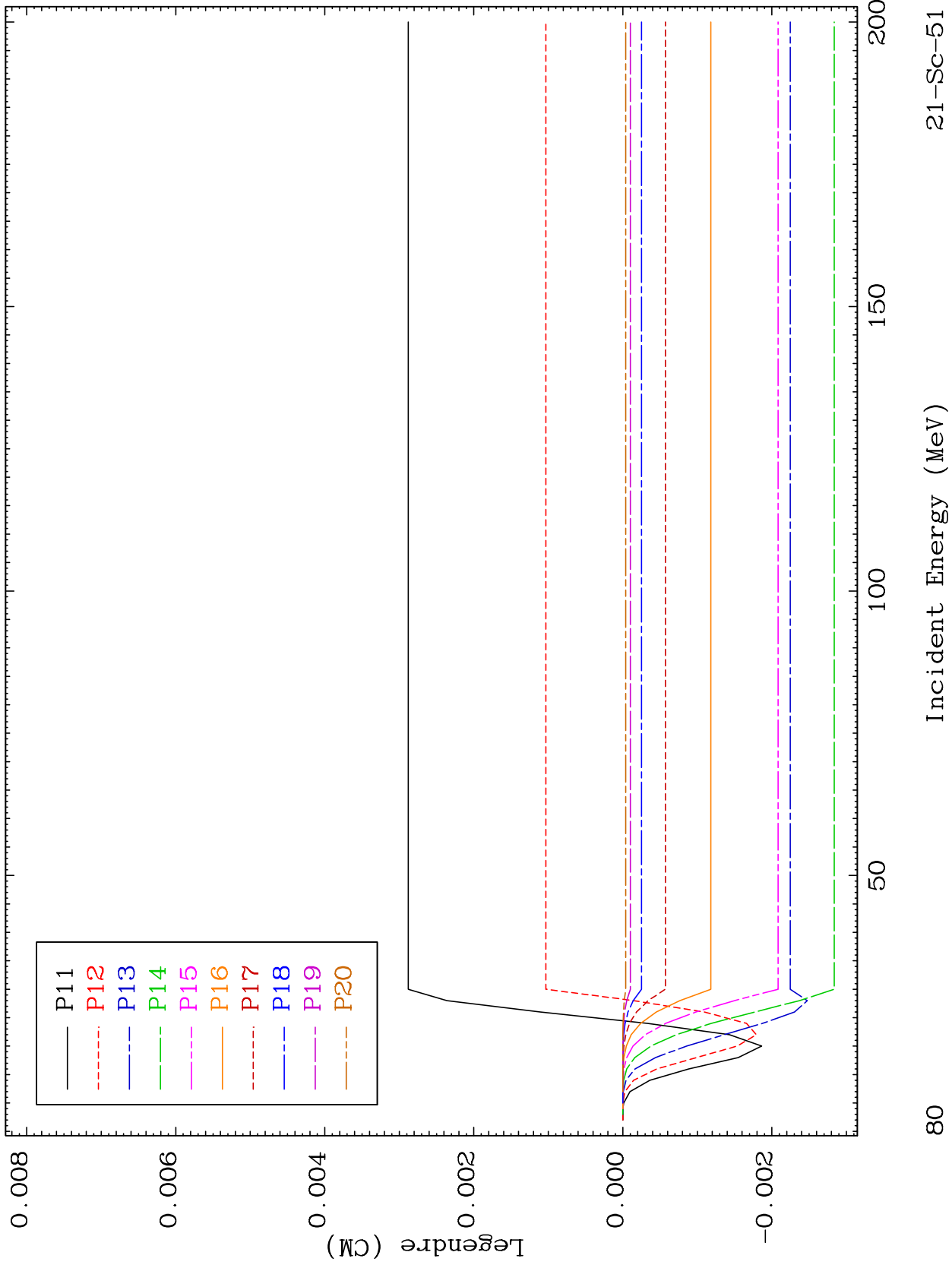




MAT 2143

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

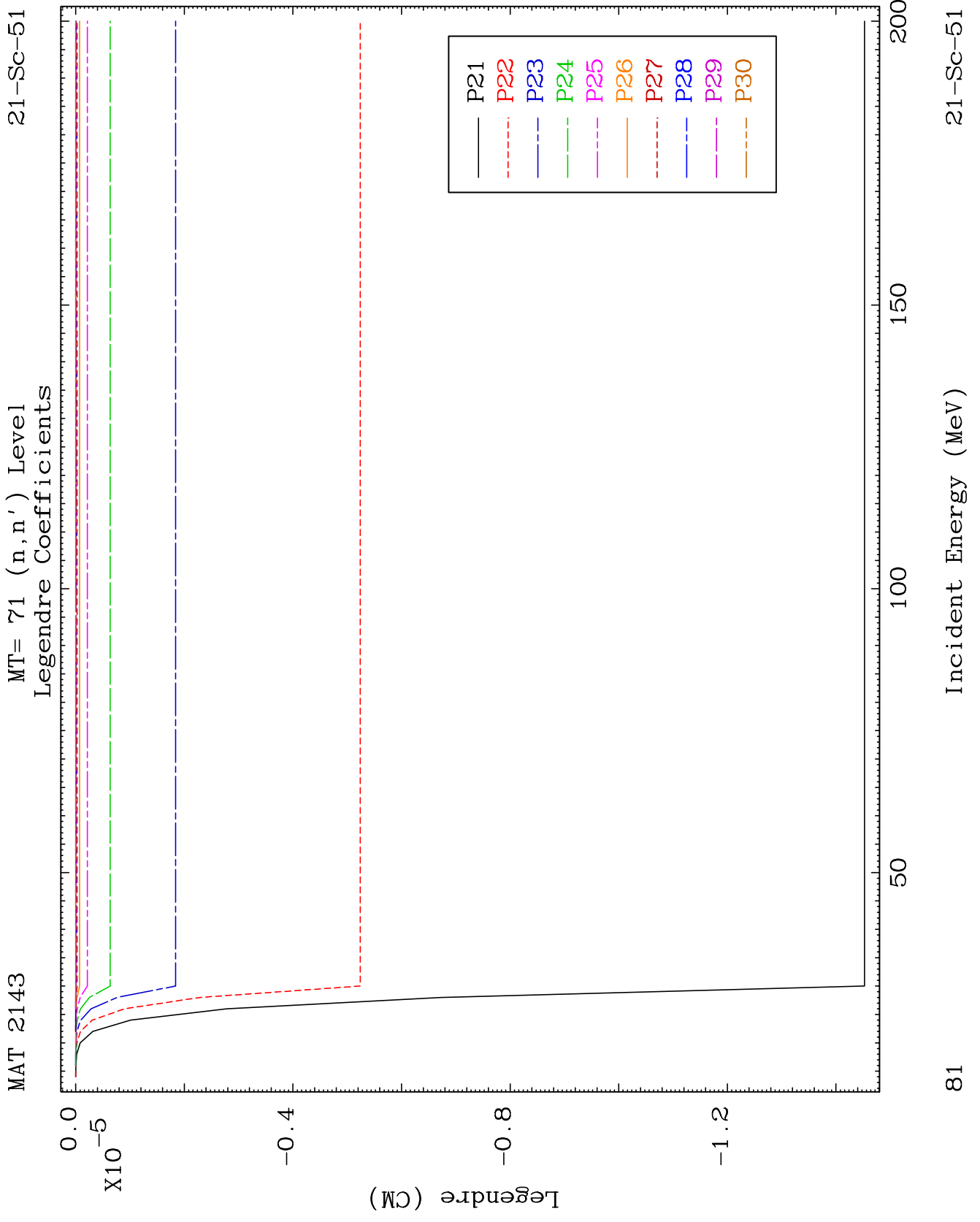
21-Sc-51



80

Incident Energy (MeV)

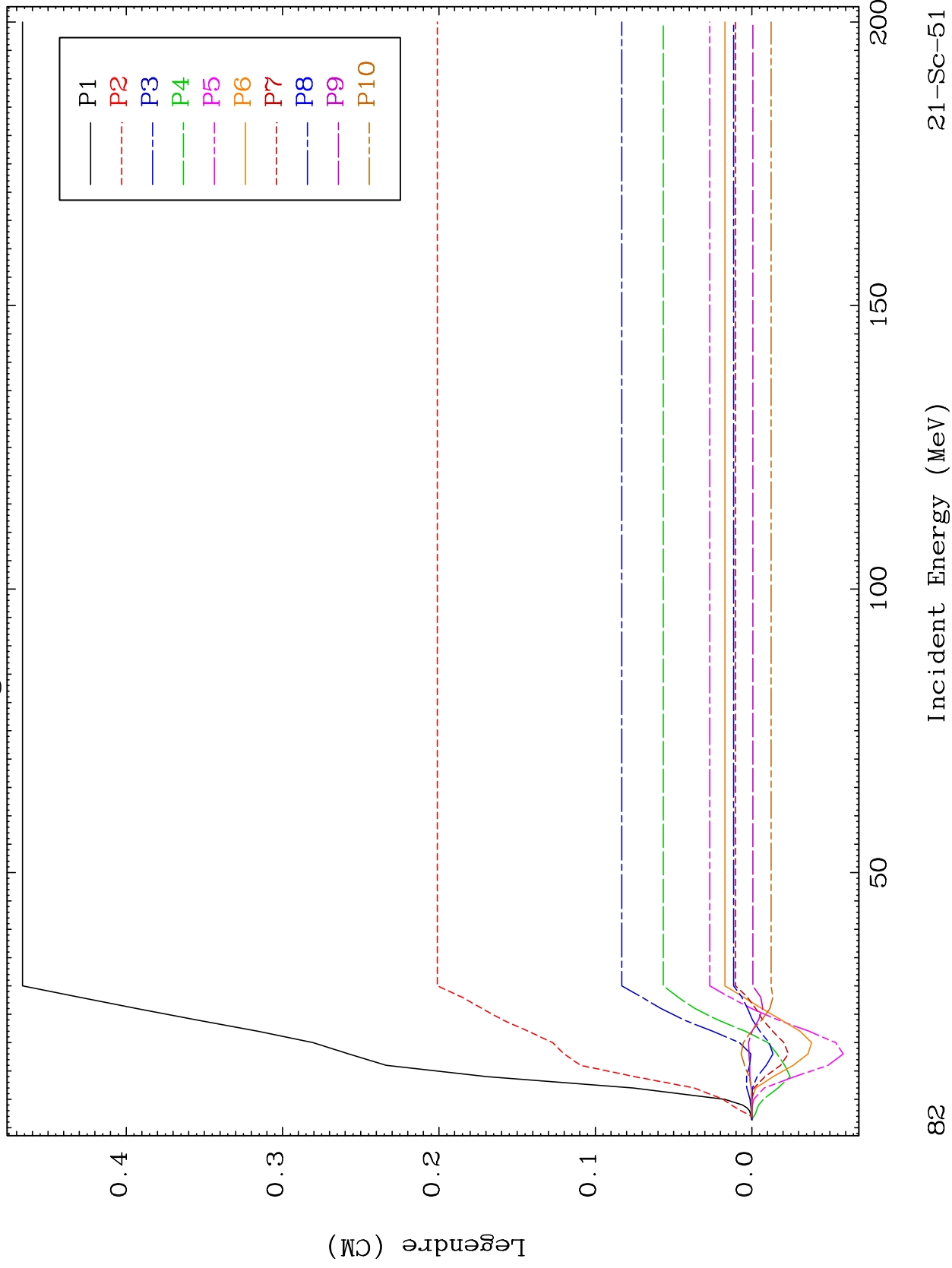
21-Sc-51



MAT 2143

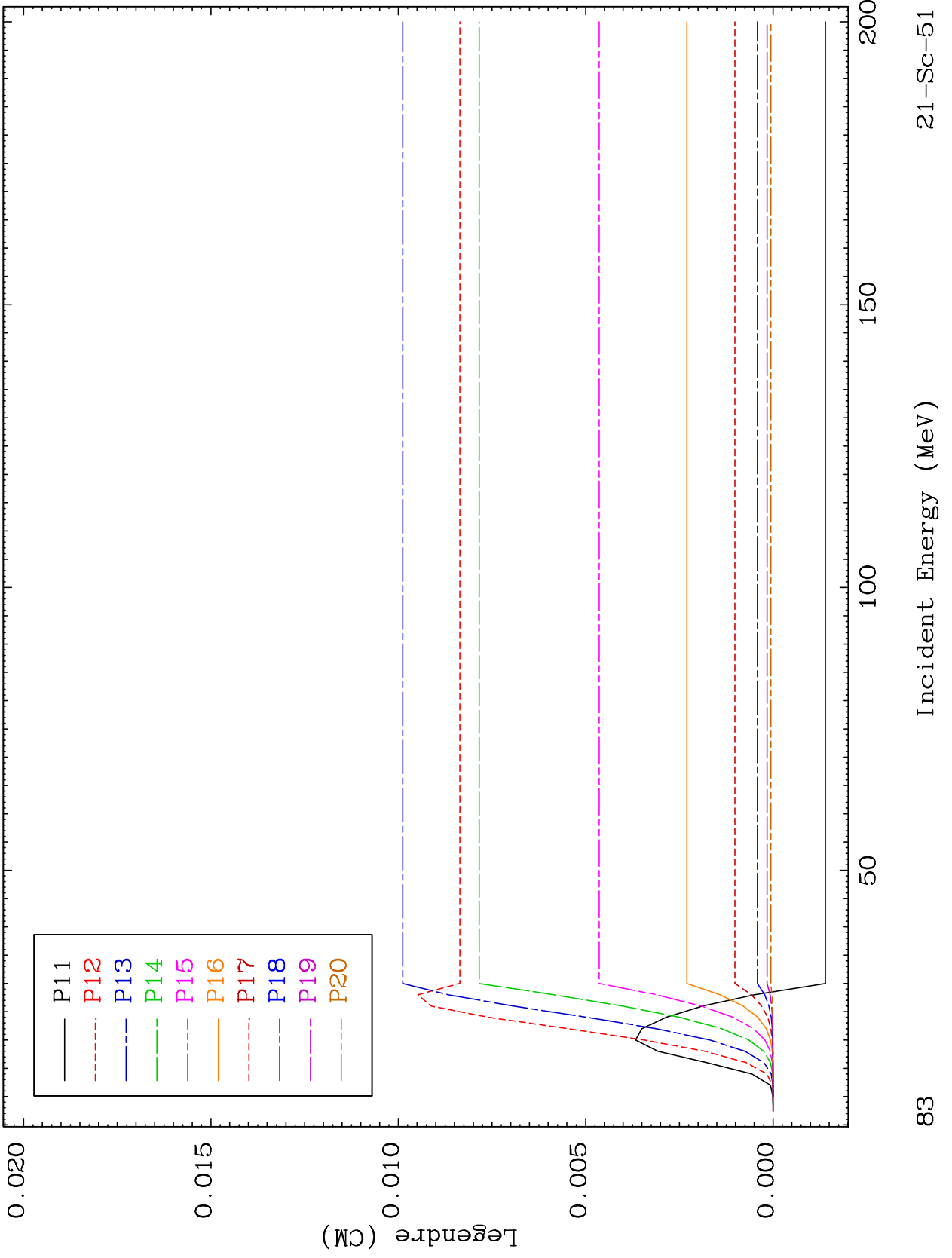
MT= 72 (n,n') Level  
Legendre Coefficients

21-Sc-51



82

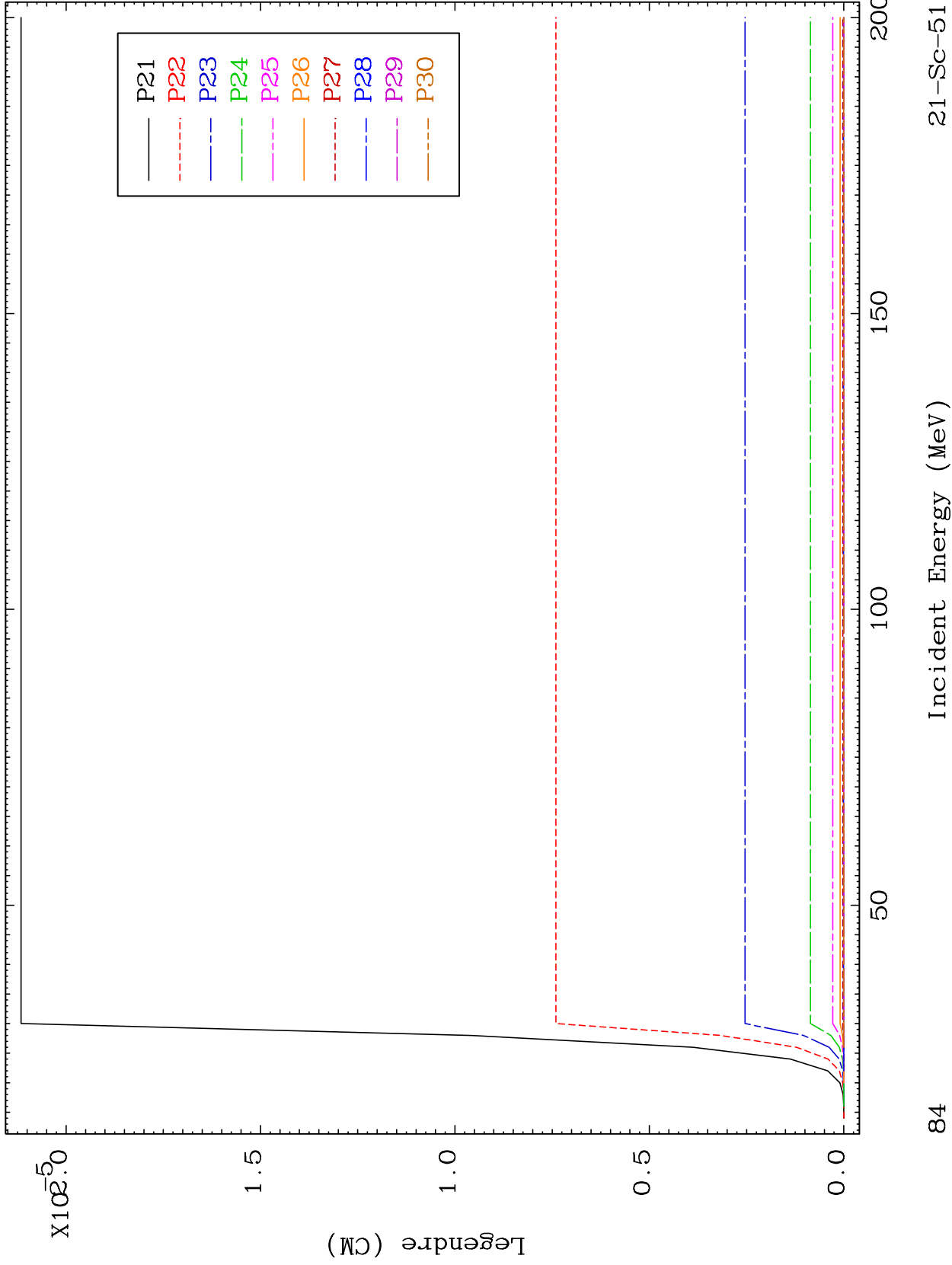
21-Sc-51



MAT 2143

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

21-Sc-51

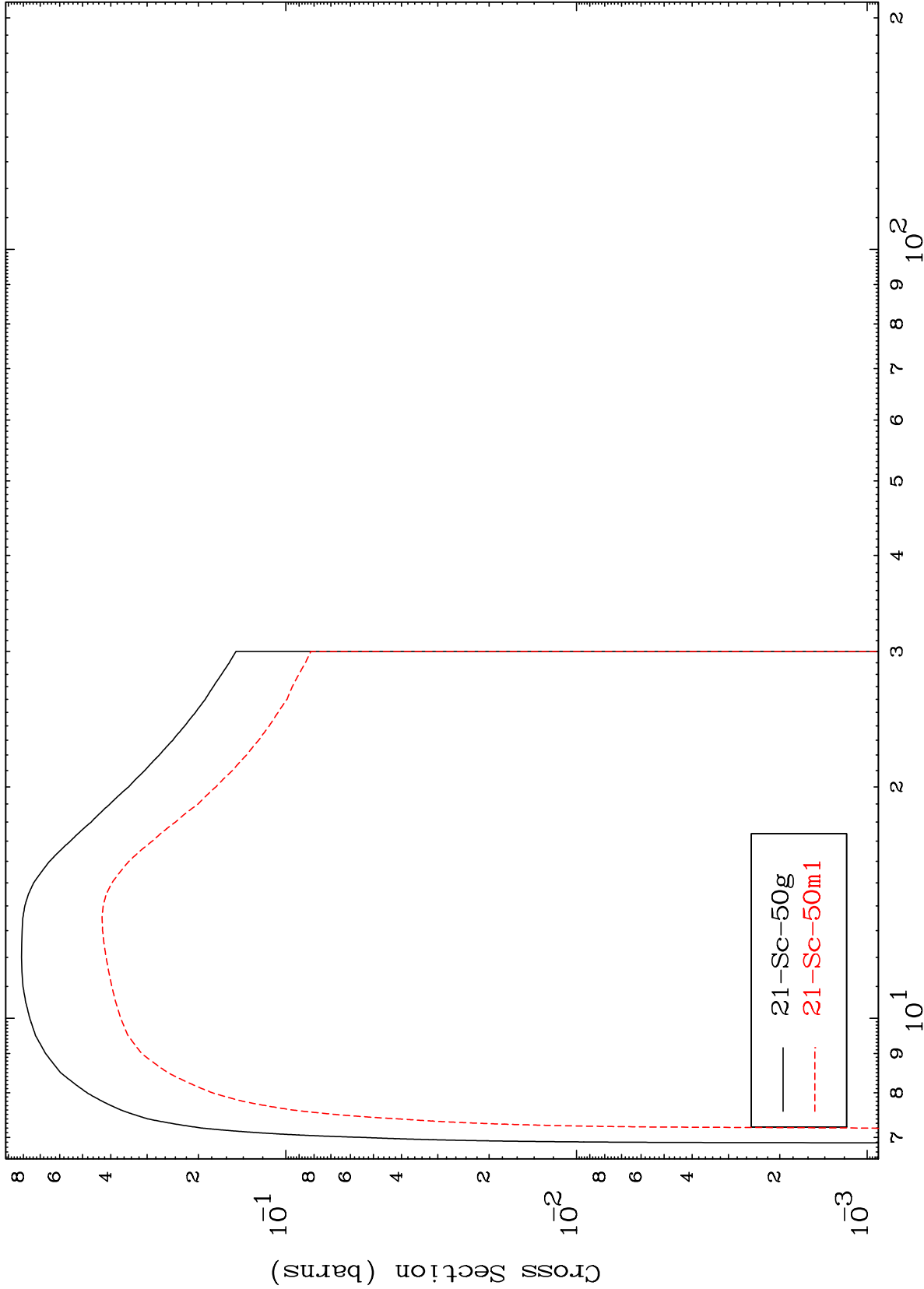


MAT 2143

(n,2n)

21-Sc-51

Radionuclide Production Cross Section



— 21-Sc-50g  
- - - 21-Sc-50ml

85

Incident Energy (MeV)

21-Sc-51