

Program EVALPLOT  
(Version 2018-1)

by

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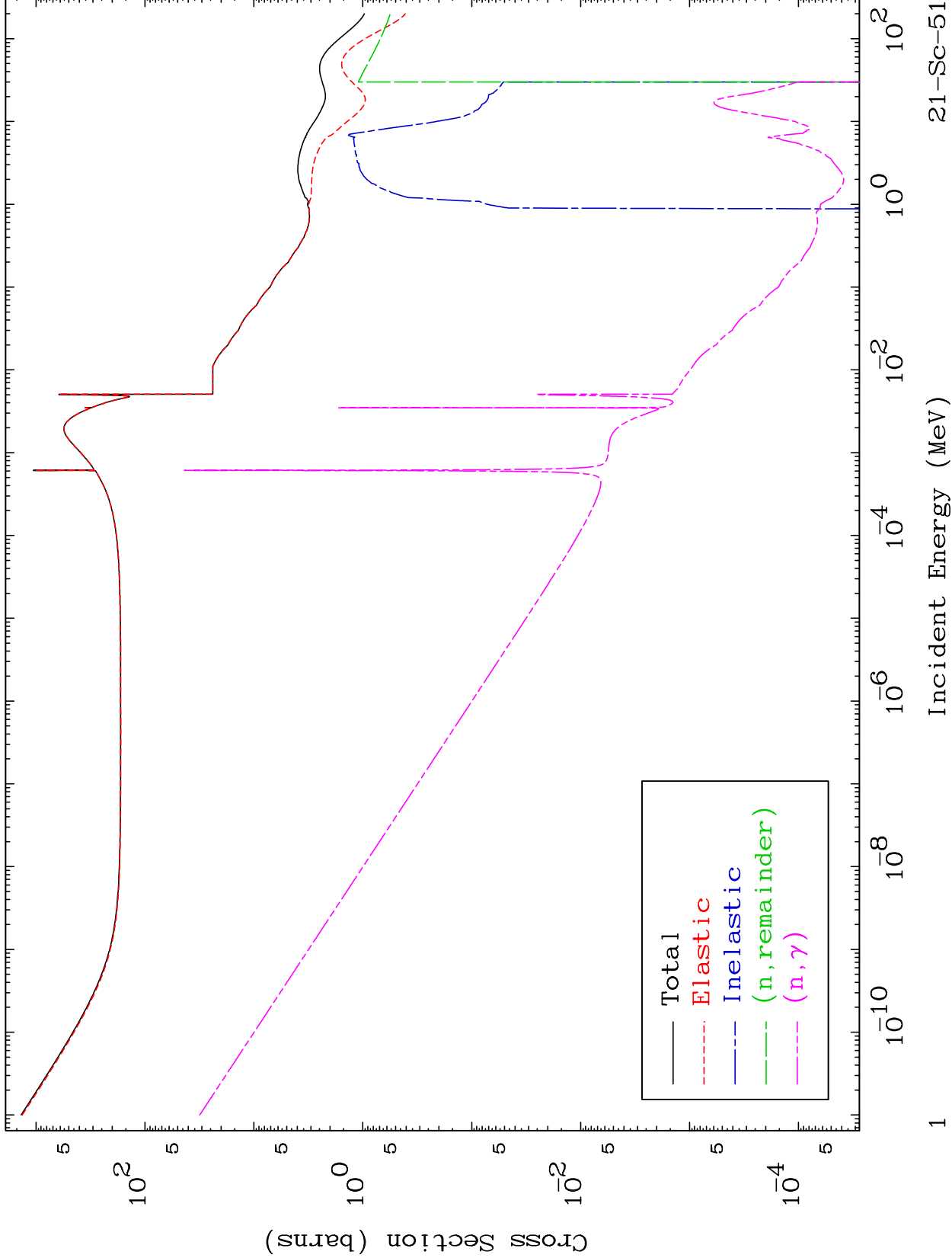
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2143

Major  
293 Kelvin Cross Sections

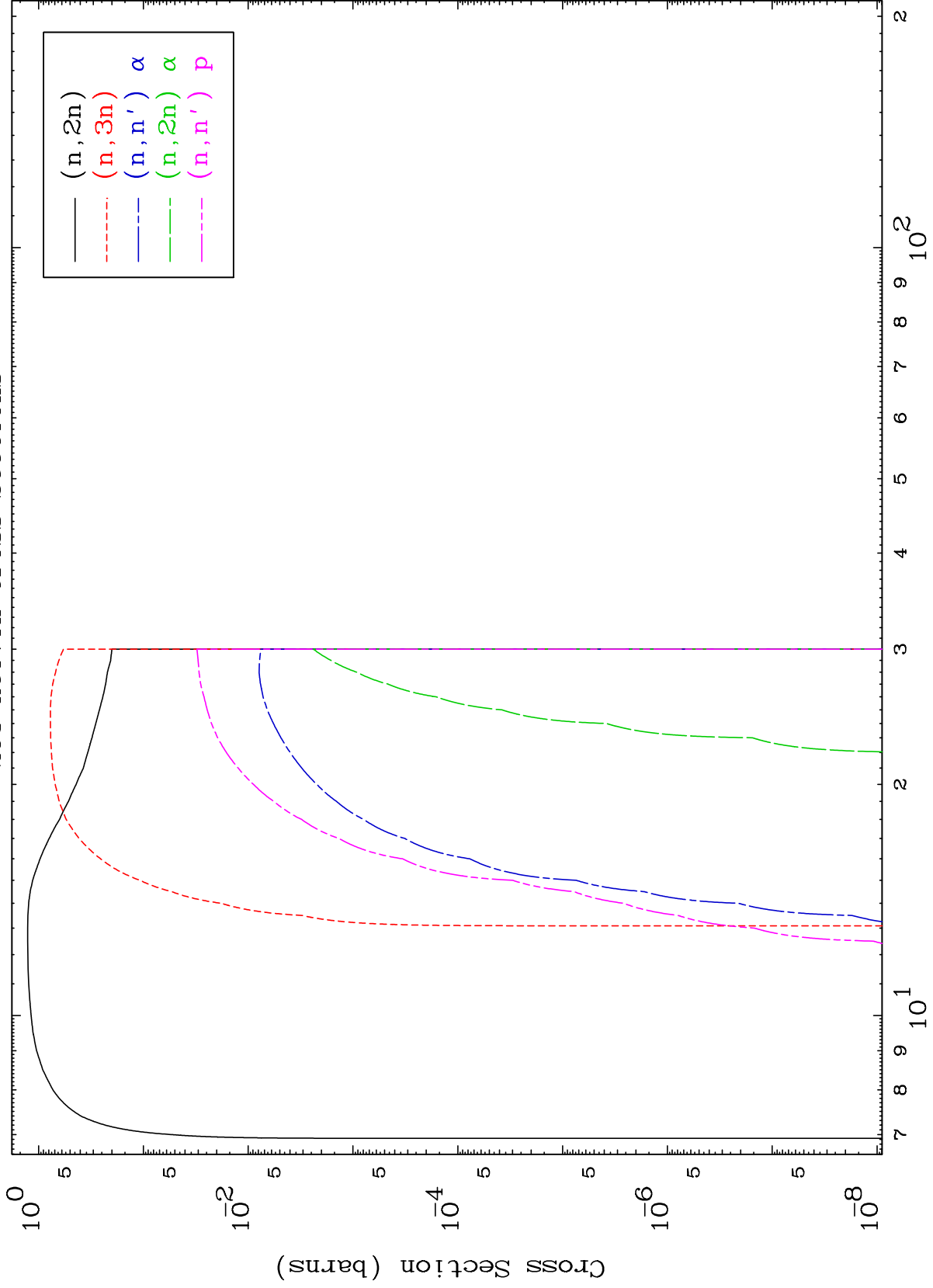
21-Sc-51



MAT 2143

Neutron Production  
293 Kelvin Cross Sections

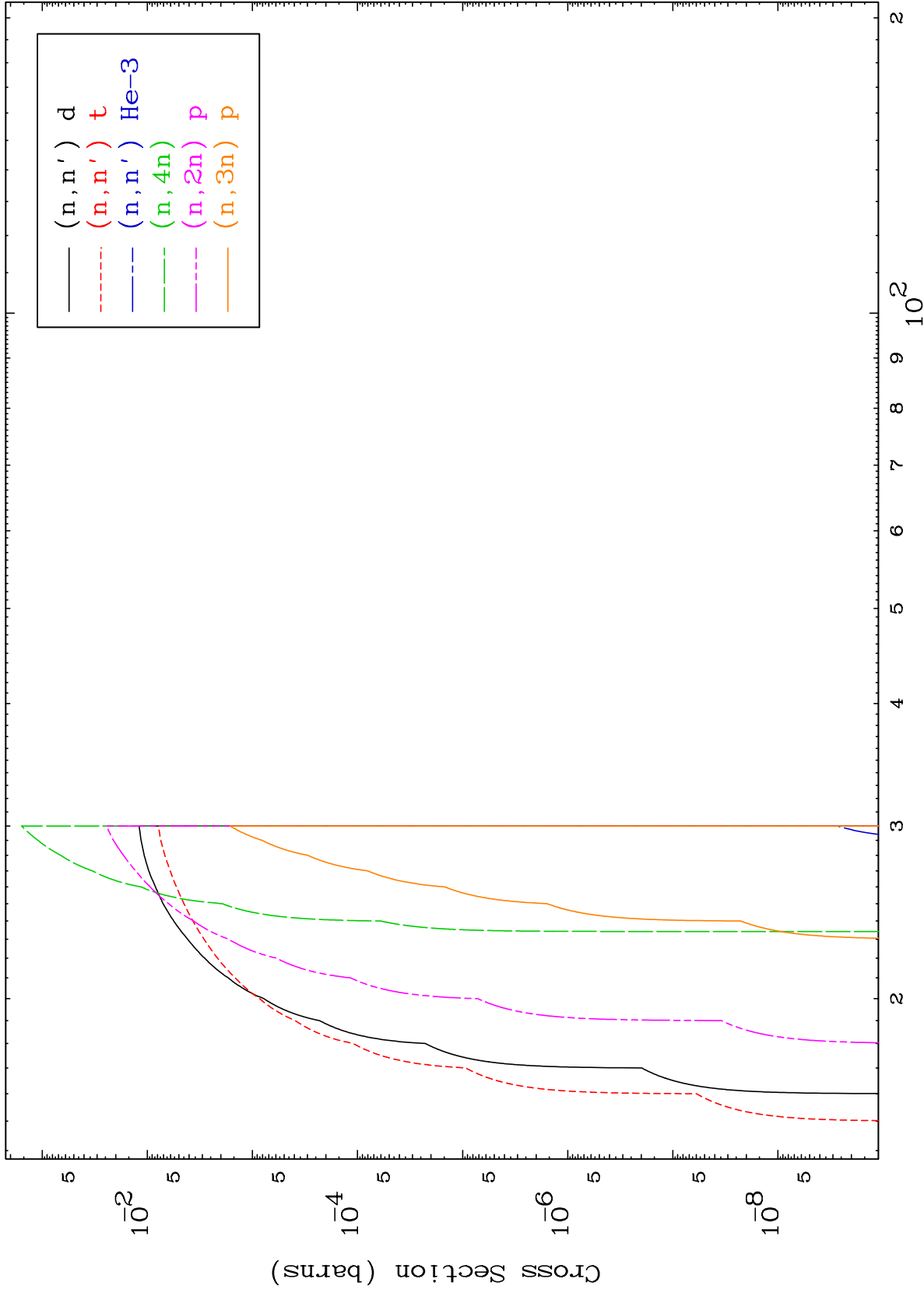
21-Sc-51



2

Incident Energy (MeV)

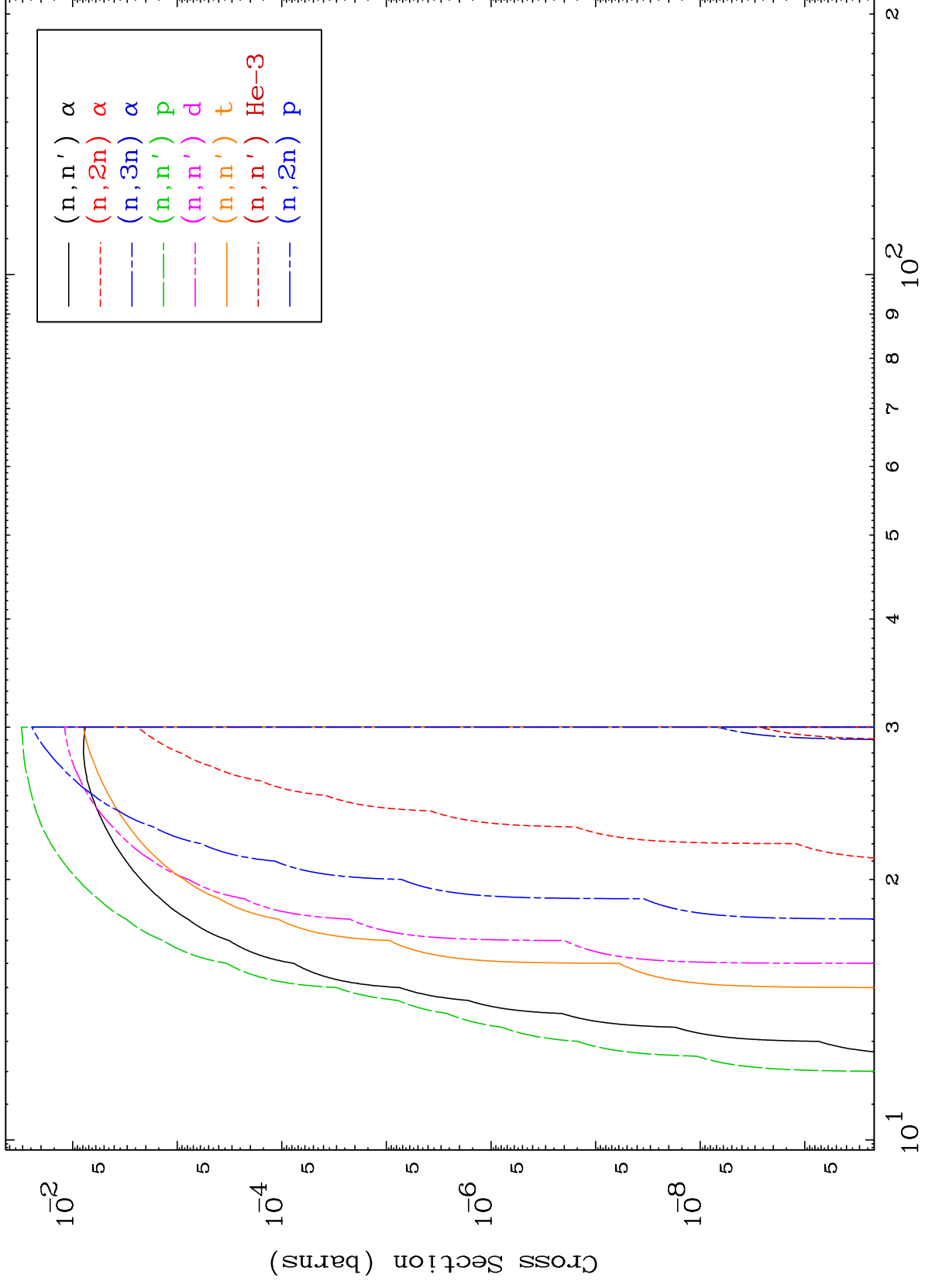
21-Sc-51



MAT 2143

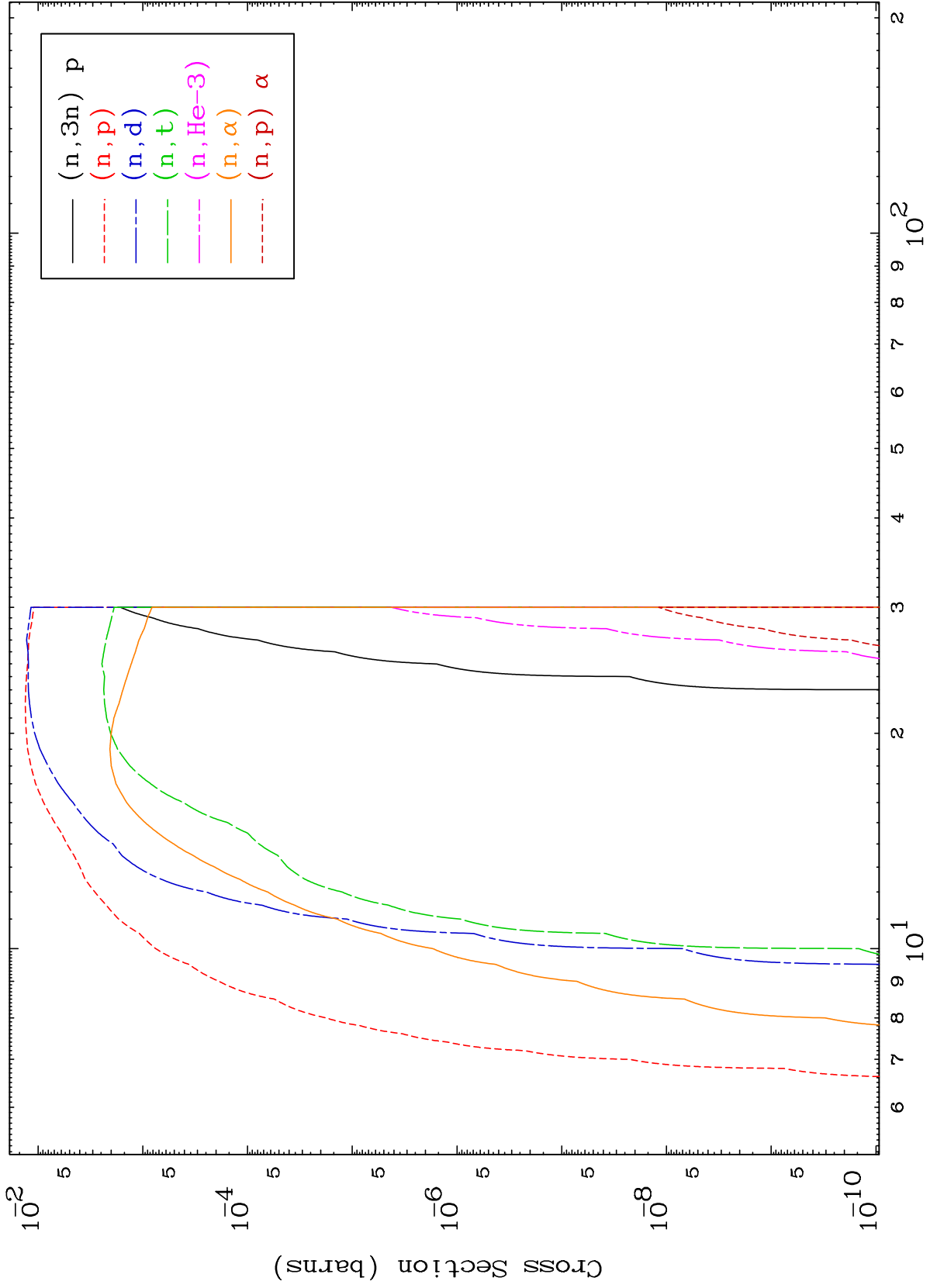
Charged Particle  
293 Kelvin Cross Sections

21-Sc-51



Incident Energy (MeV)

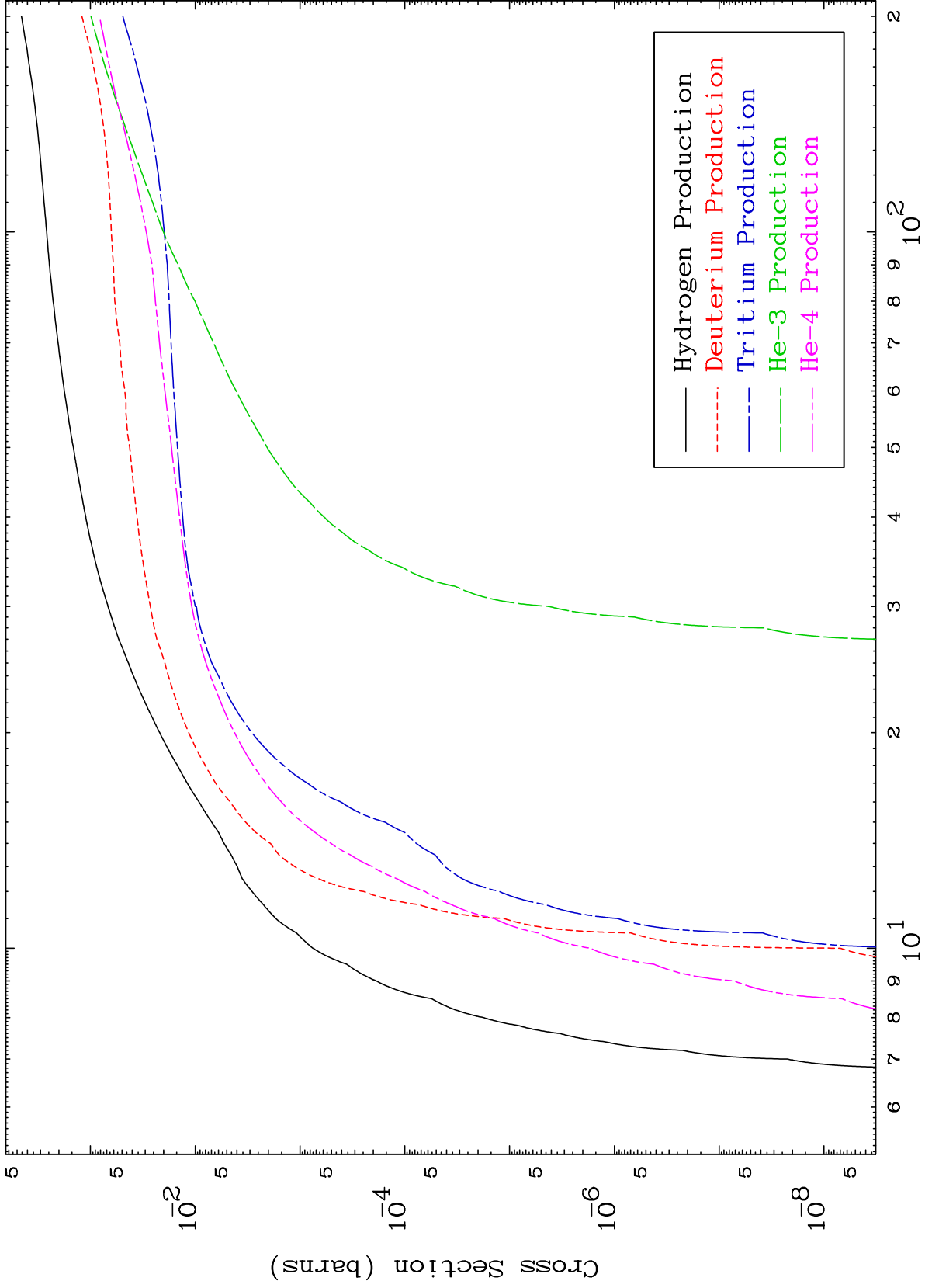
21-Sc-51



MAT 2143

Particle Production  
293 Kelvin Cross Sections

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6

Incident Energy (MeV)

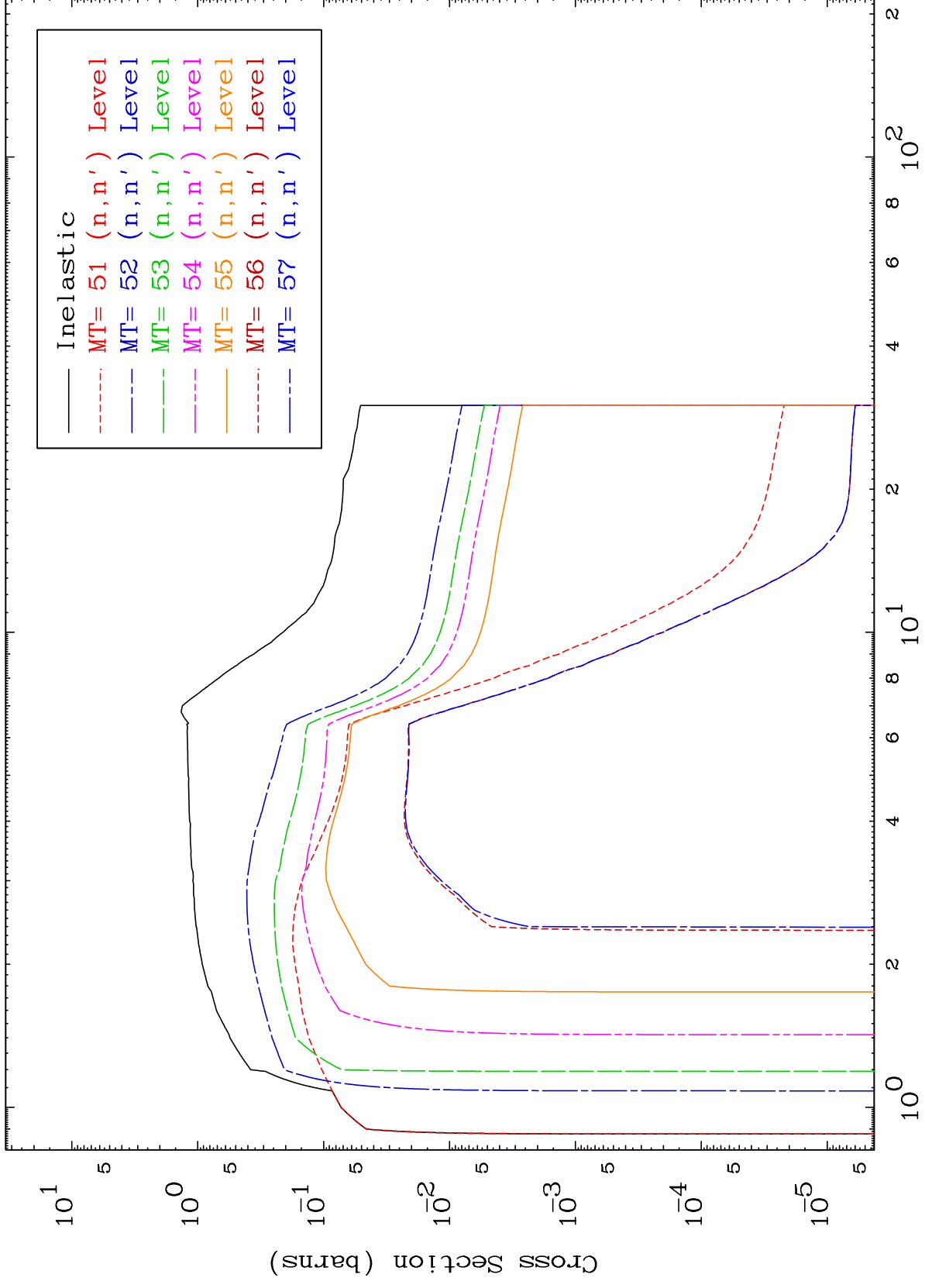
21-Sc-51

MAT 2143

(n,n') Level

21-Sc-51

293 Kelvin Cross Sections



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Incident Energy (MeV)

21-Sc-51

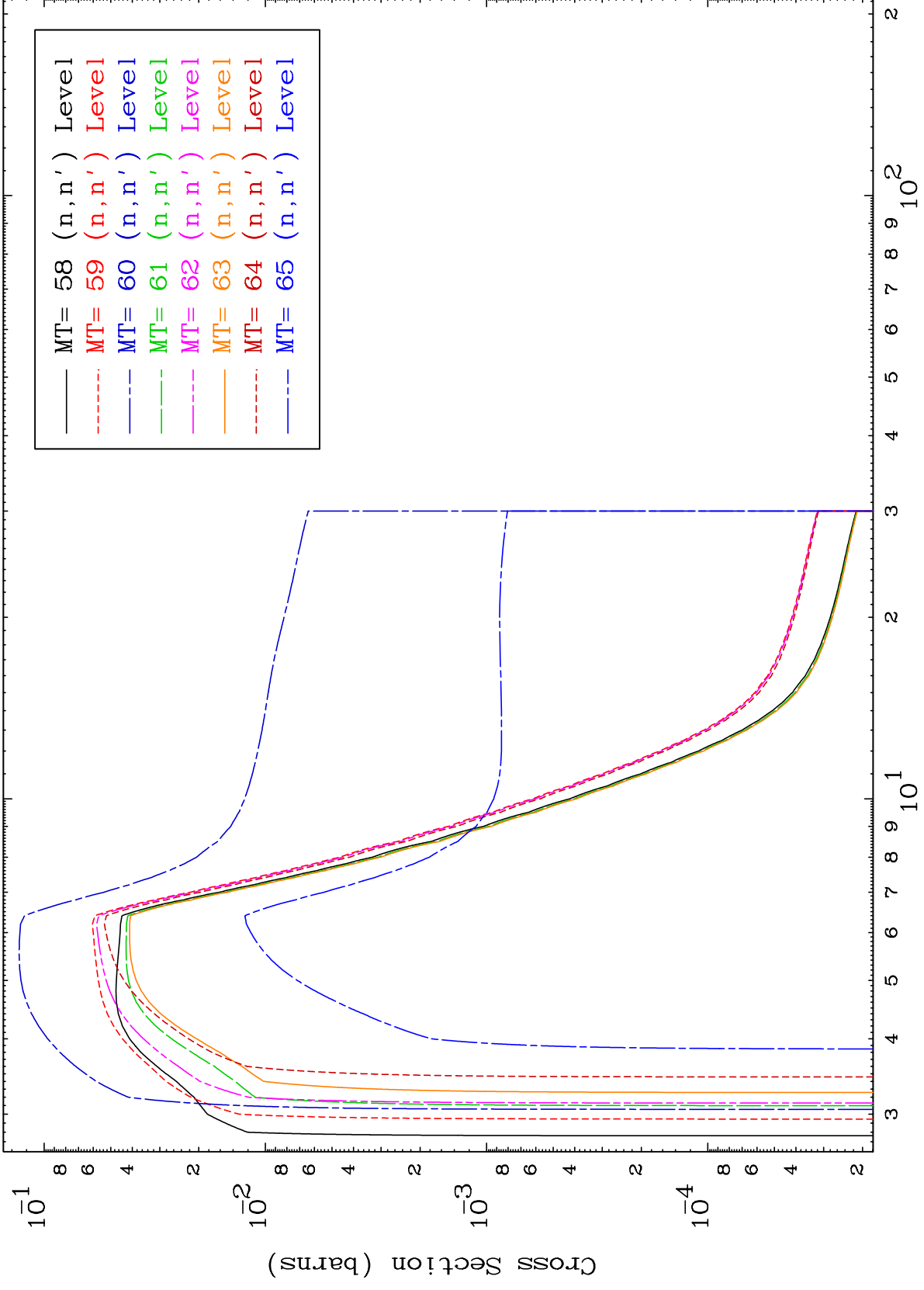


MAT 2143

(n,n') Level

21-Sc-51

293 Kelvin Cross Sections

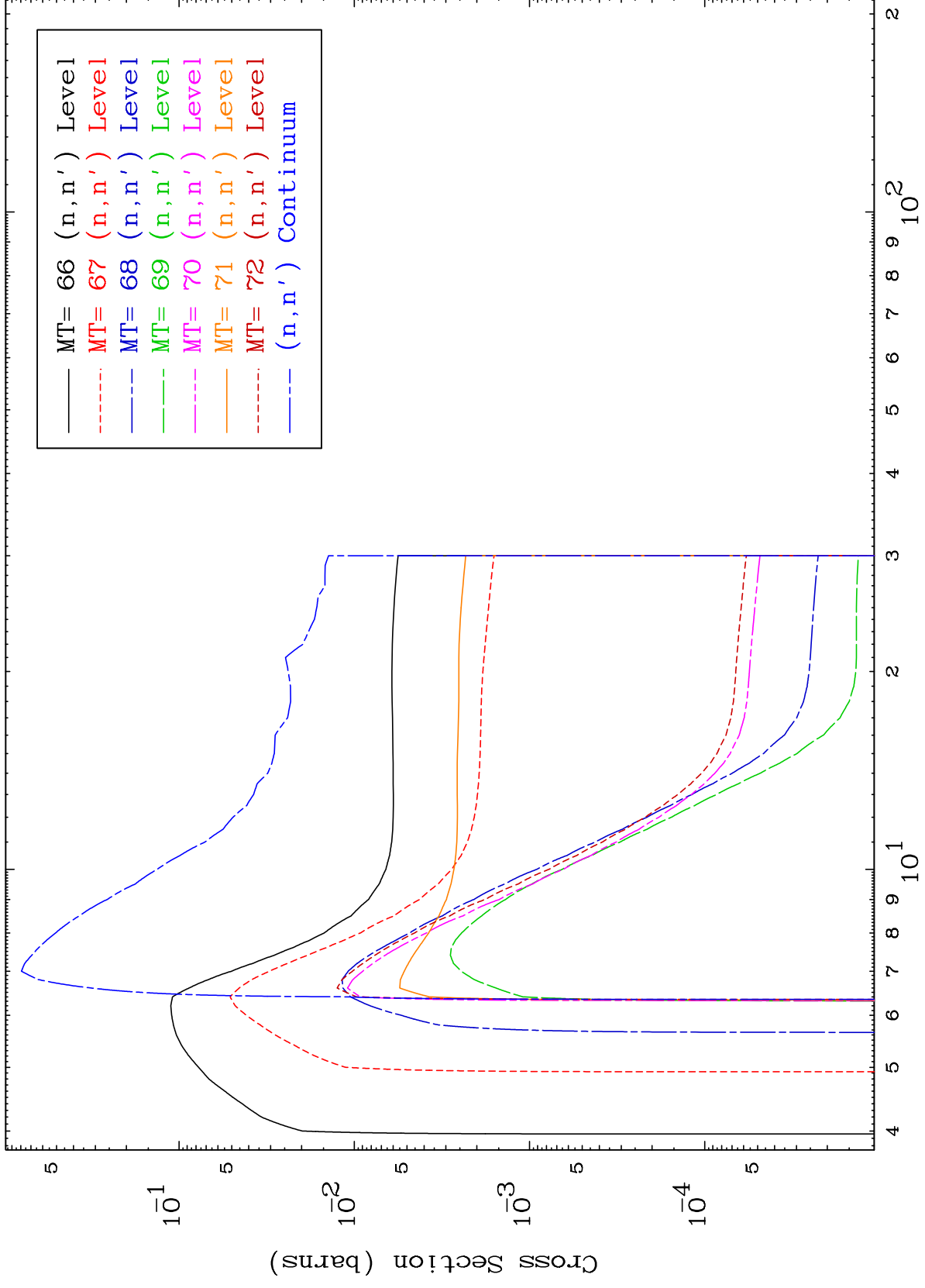


8

Incident Energy (MeV)

21-Sc-51

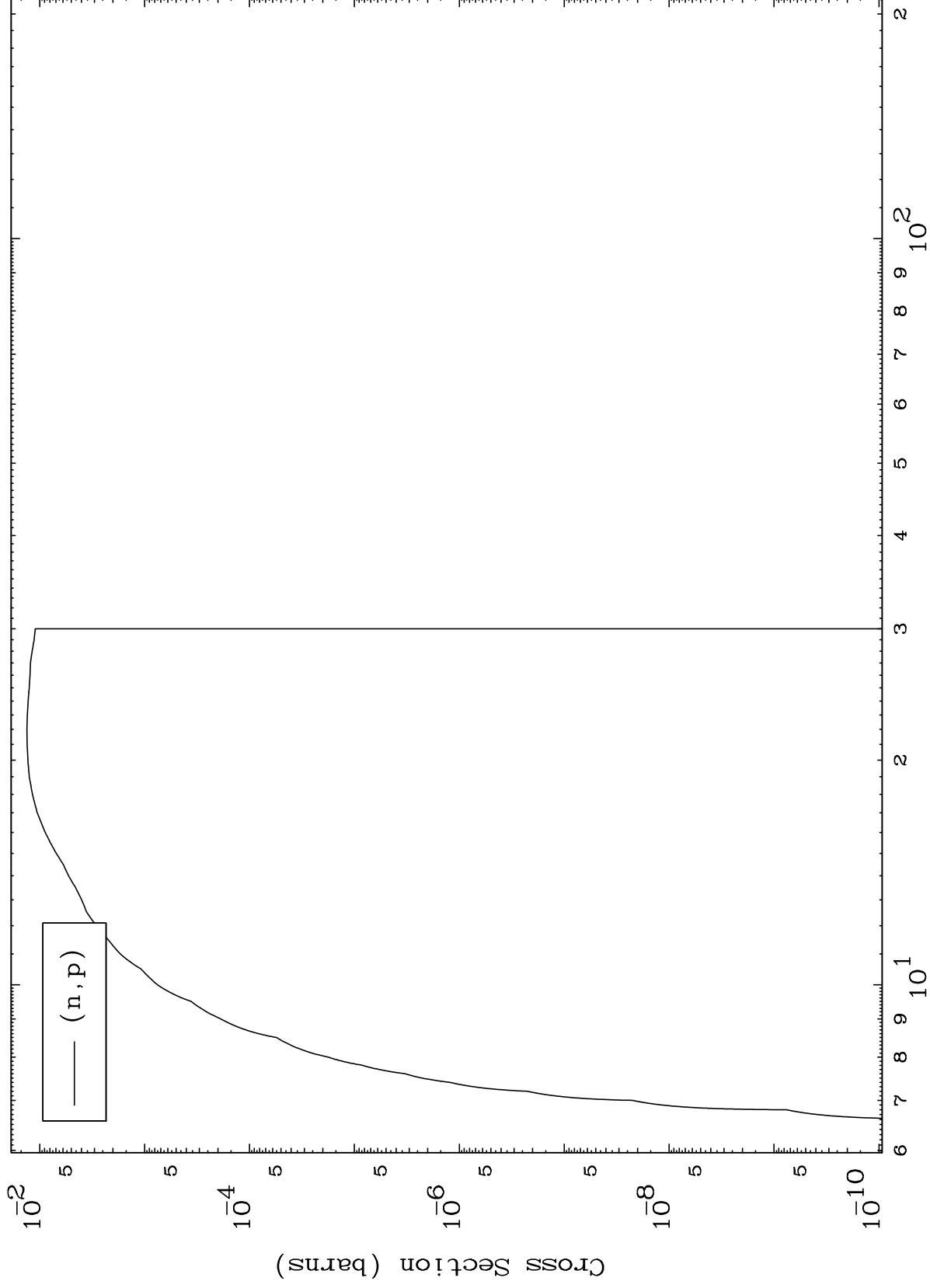
293 Kelvin Cross Sections



MAT 2143

(n,p) Levels  
293 Kelvin Cross Sections

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Incident Energy (MeV)

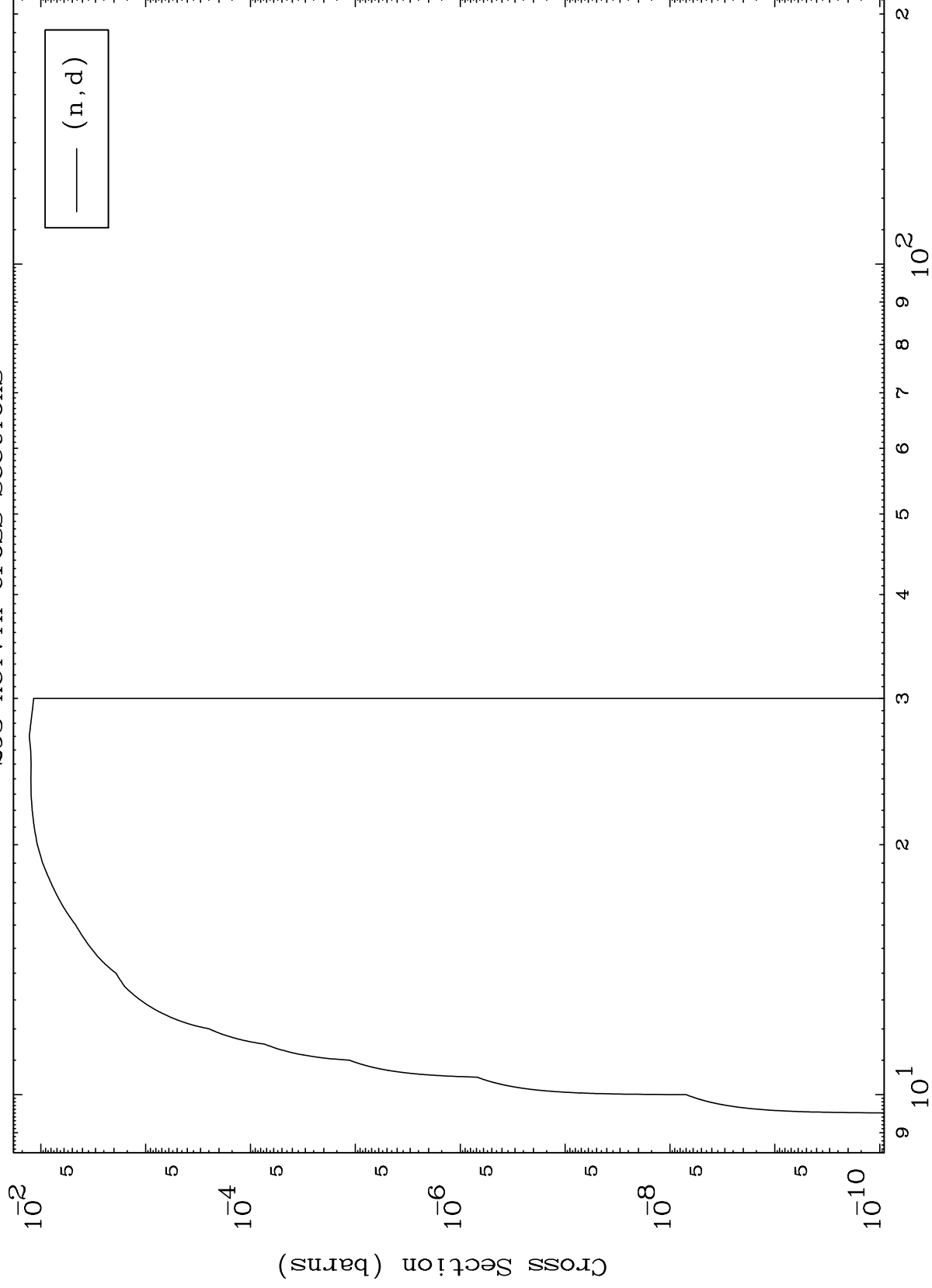
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10

MAT 2143

(n,d) Levels  
293 Kelvin Cross Sections

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11

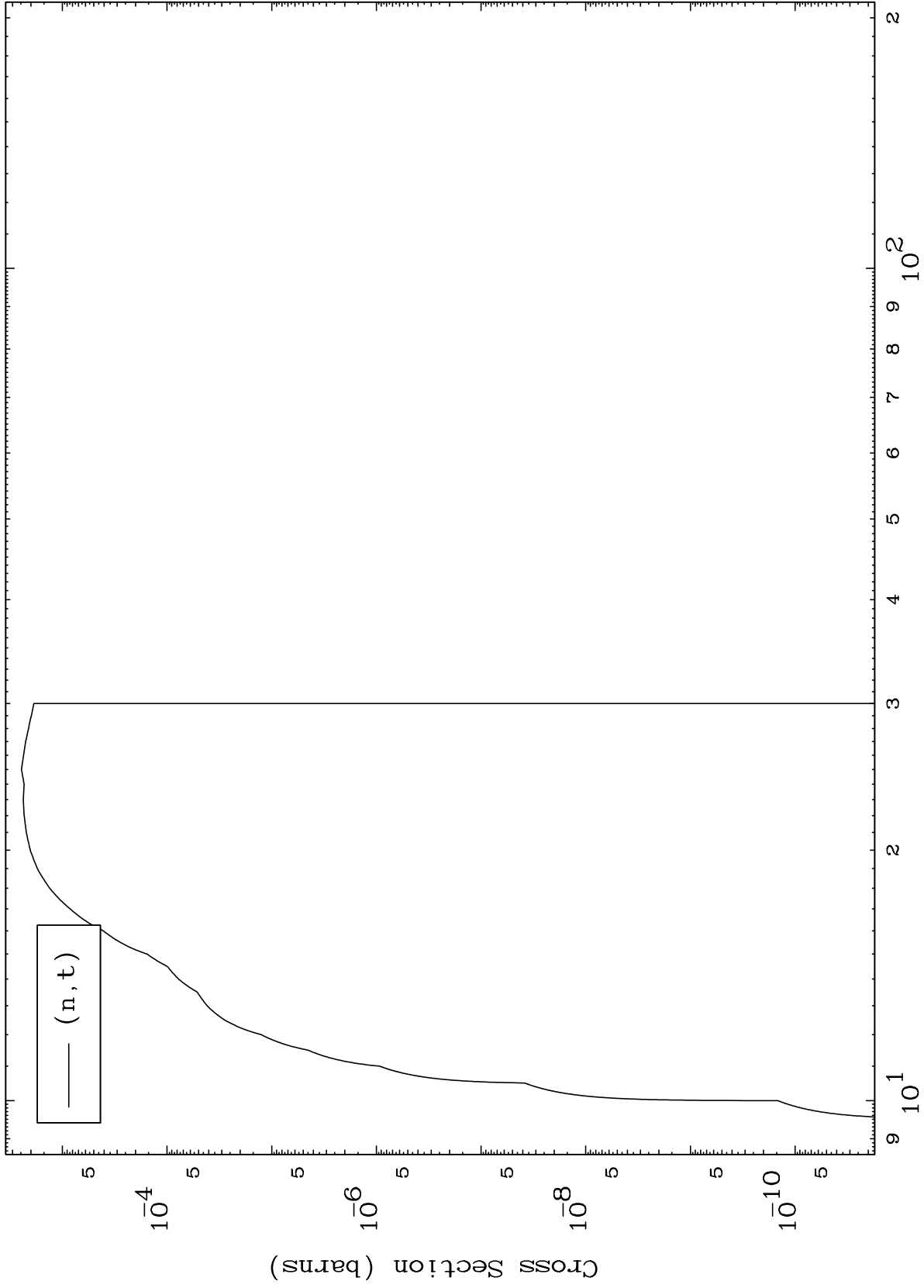
Incident Energy (MeV)

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MAT 2143

(n,t) Levels  
293 Kelvin Cross Sections

21-Sc-51



12

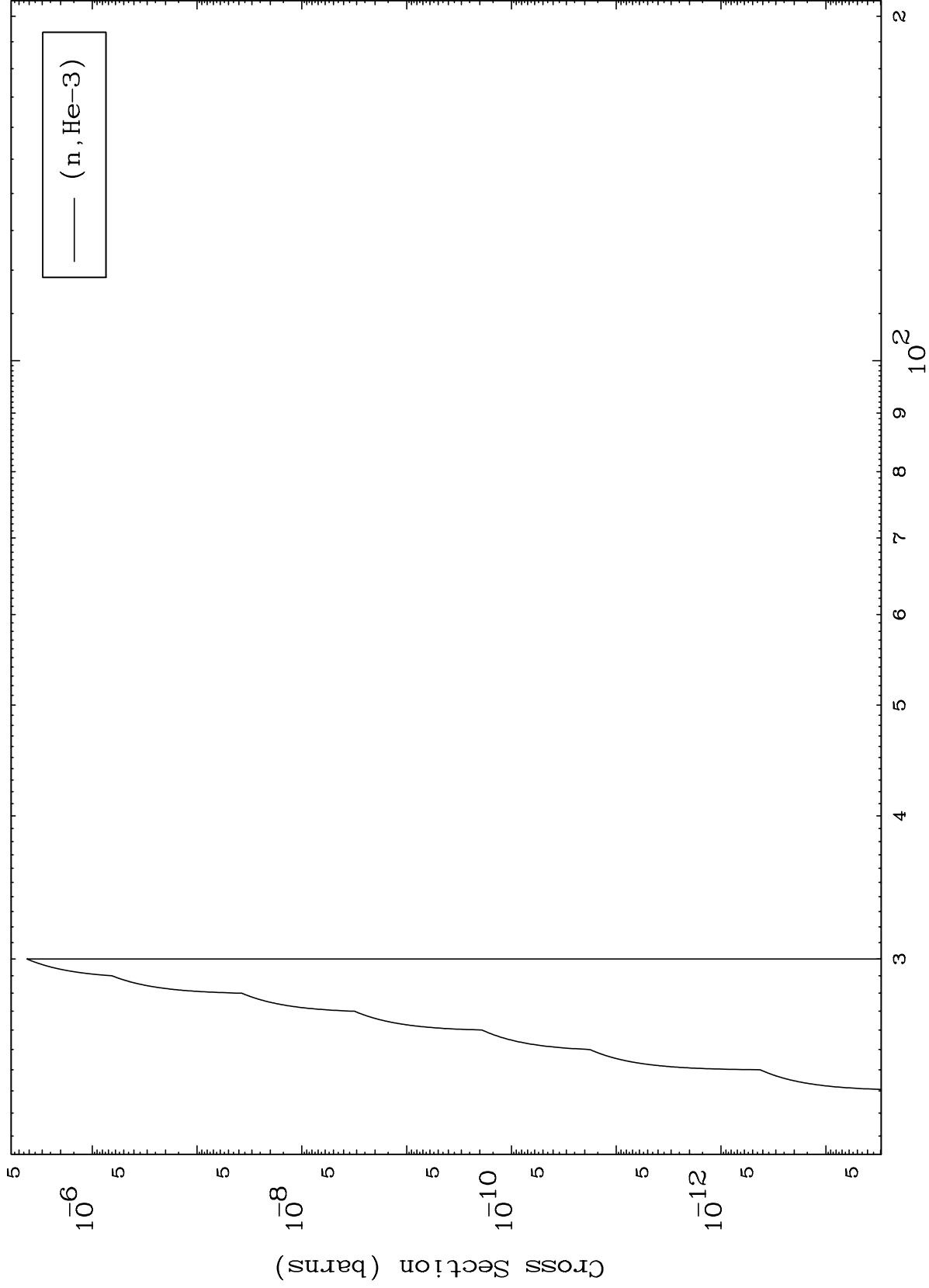
Incident Energy (MeV)

21-Sc-51

MAT 2143

(n,He3) Levels  
293 Kelvin Cross Sections

21-Sc-51



13

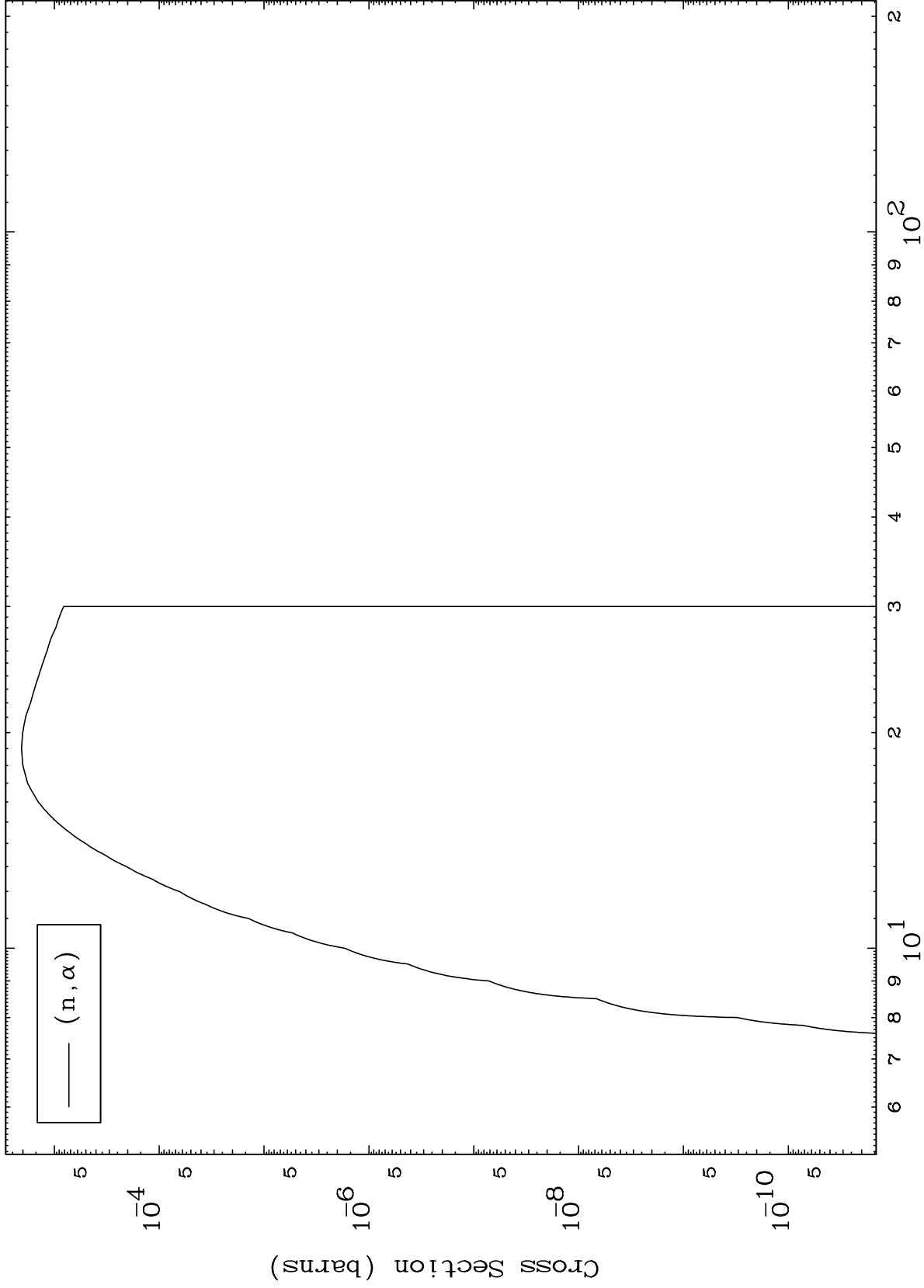
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

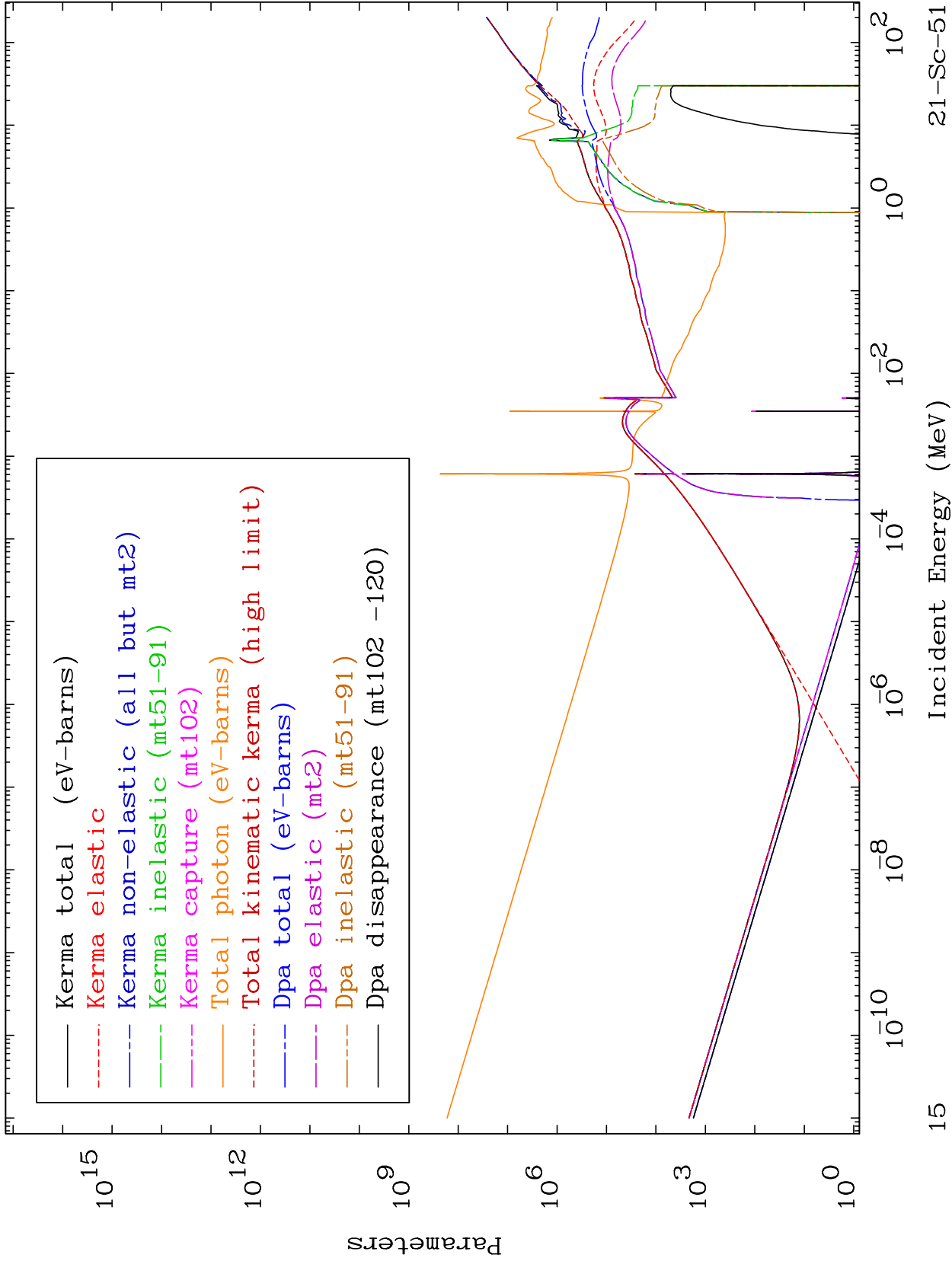
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Incident Energy (MeV)

21-Sc-51

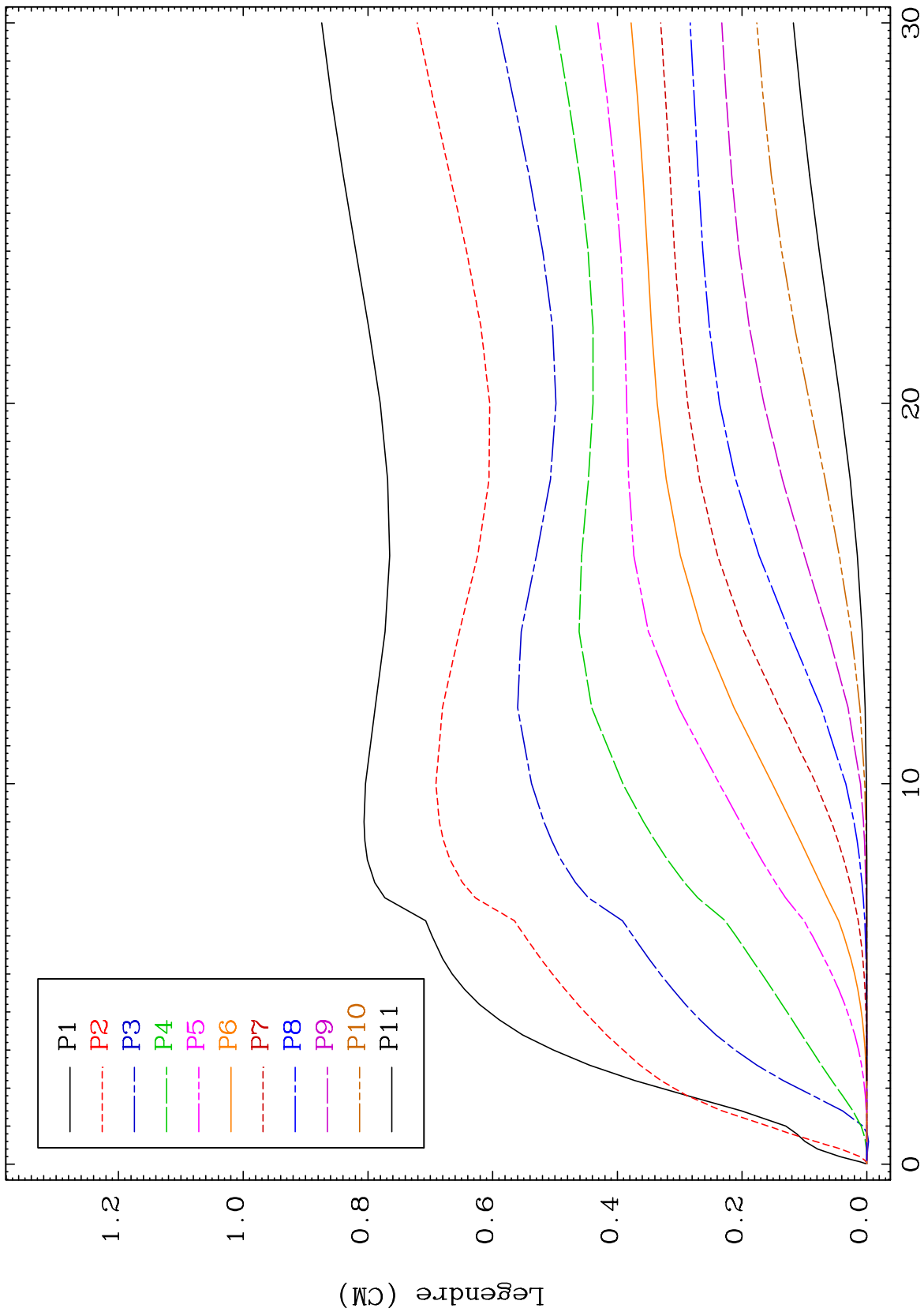




MAT 2143

Elastic Legendre Coefficients

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16

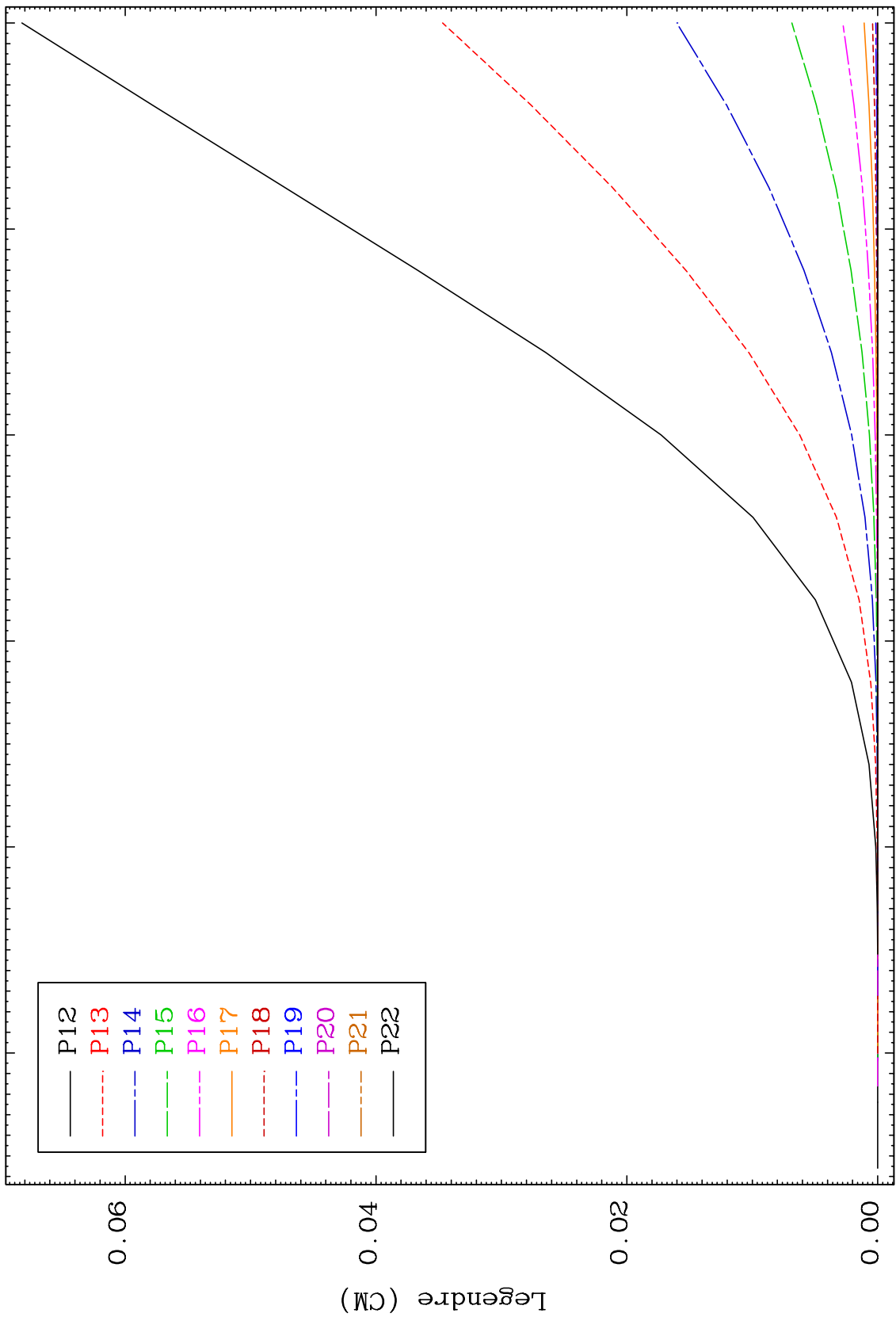
Incident Energy (MeV)

21-Sc-51

MAT 2143

Elastic Legendre Coefficients

21-Sc-51



17

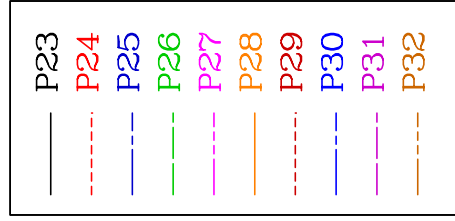
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Incident Energy (MeV)

MAT 2143

Elastic  
Legendre Coefficients

21-Sc-51



$\times 10^{-6}$

Legendre (CM)

0.8

0.4

0.0

15

20

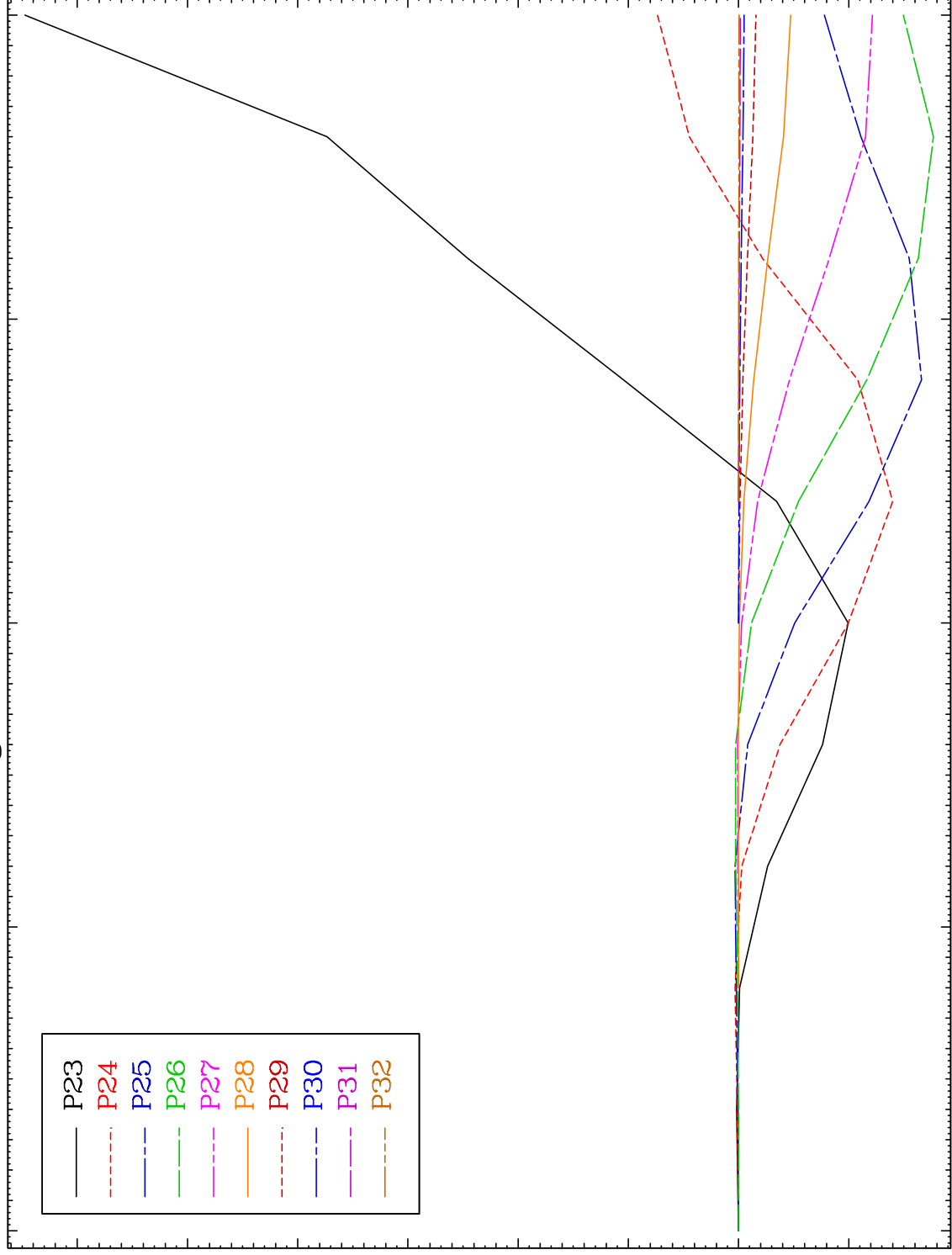
25

30

18

Incident Energy (MeV)

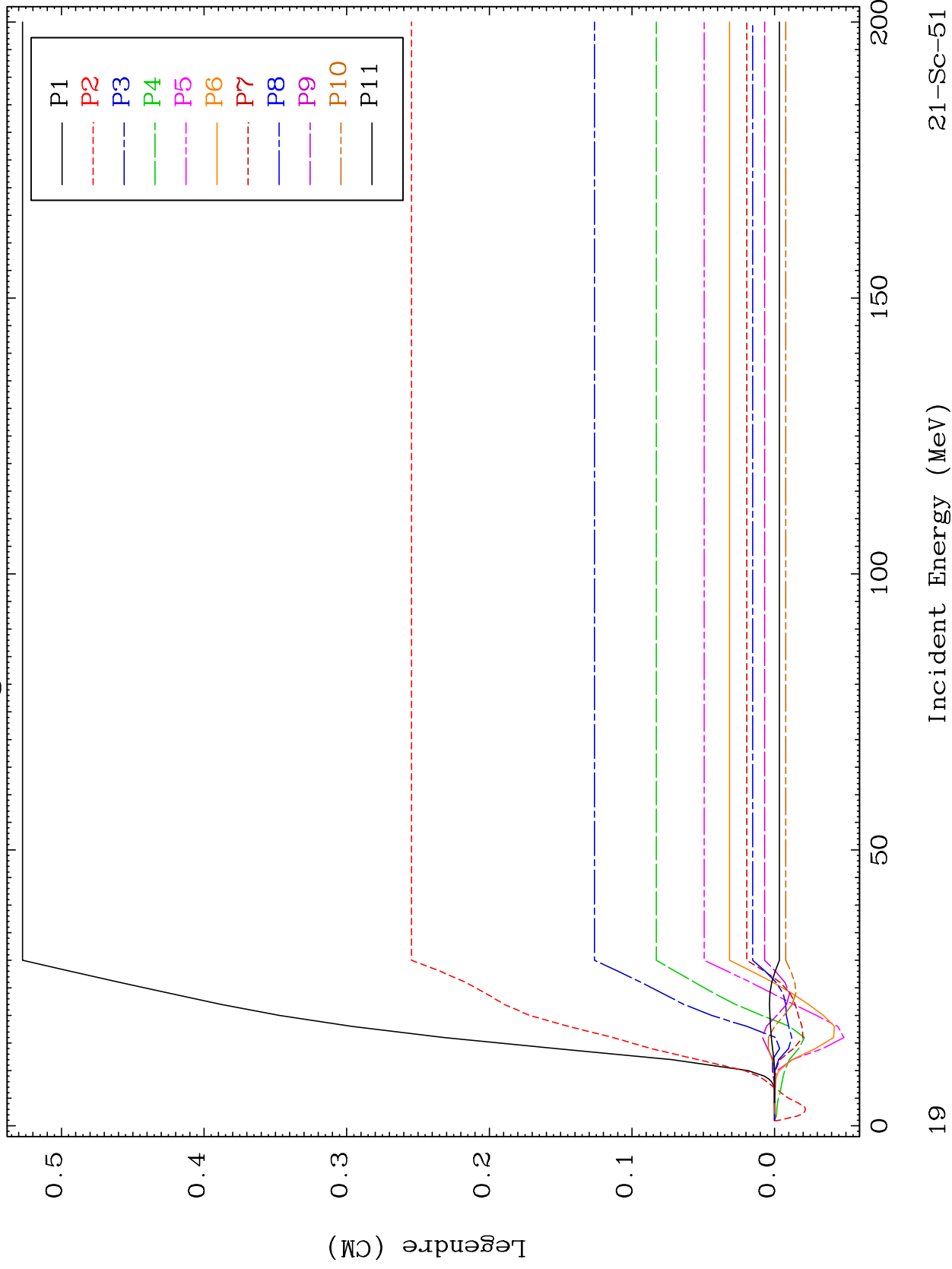
21-Sc-51



MAT 2143

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

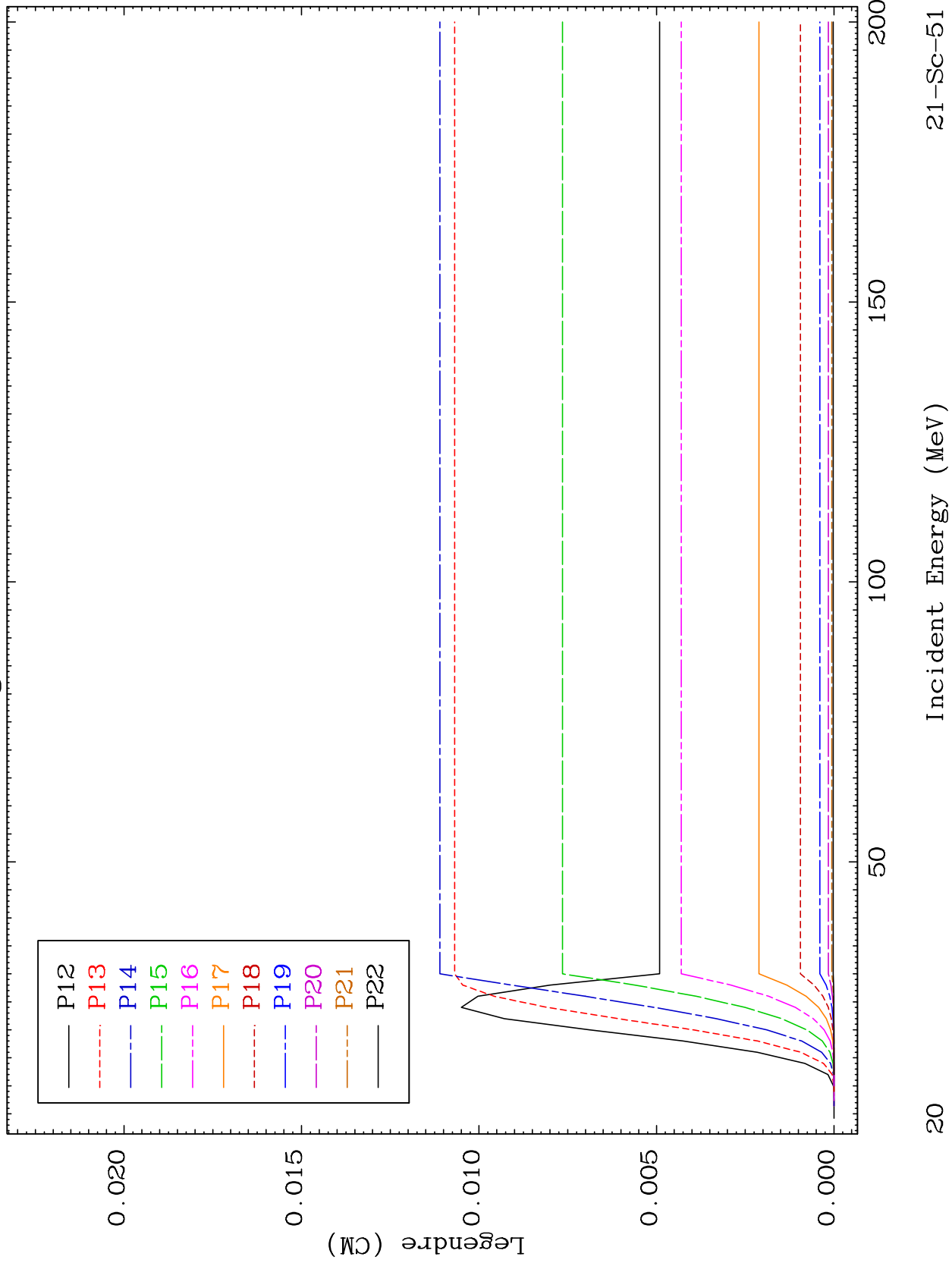
21-Sc-51



MAT 2143

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

21-Sc-51



21-Sc-51

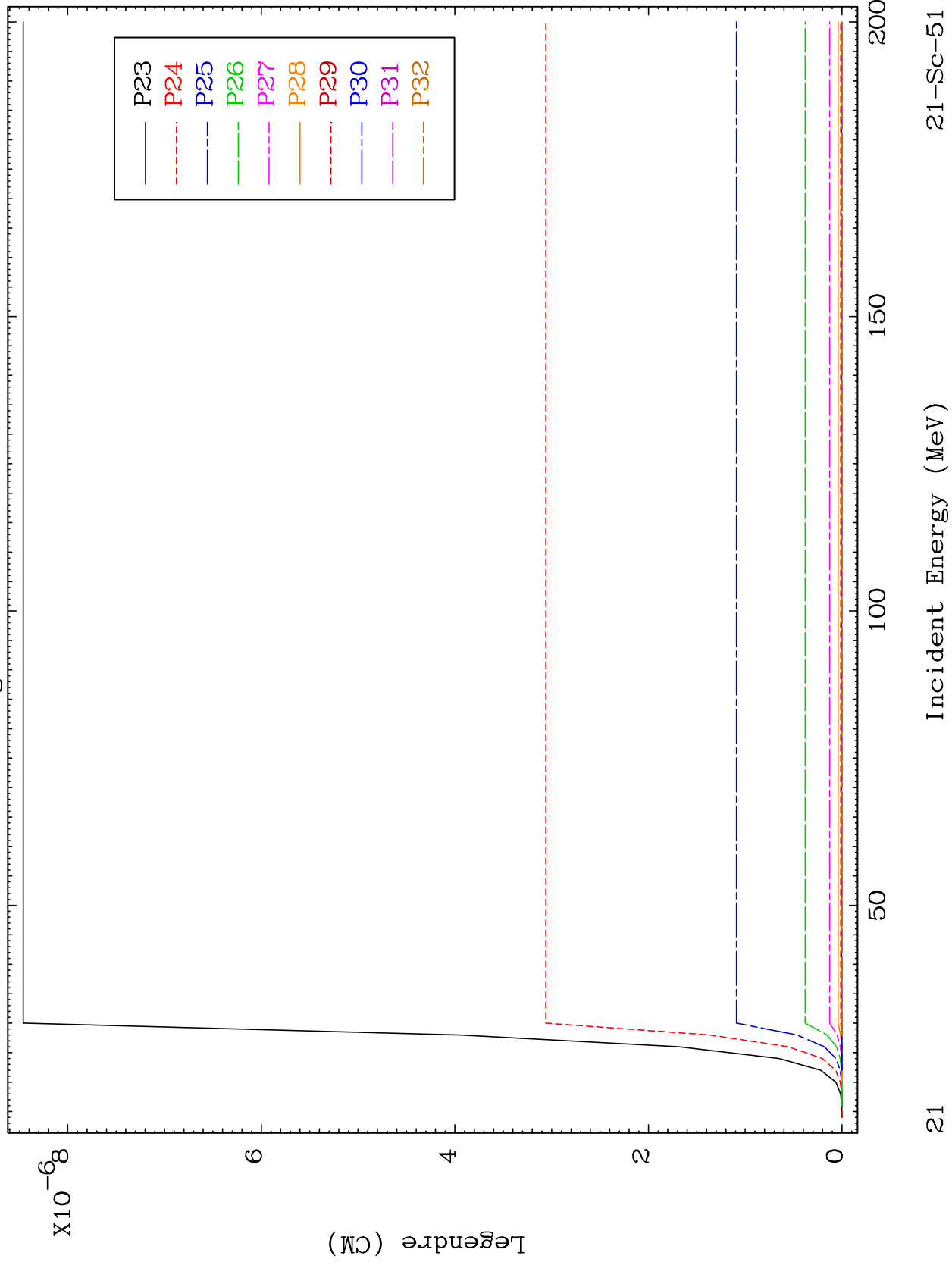
Incident Energy (MeV)

20

MAT 2143

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

21-Sc-51



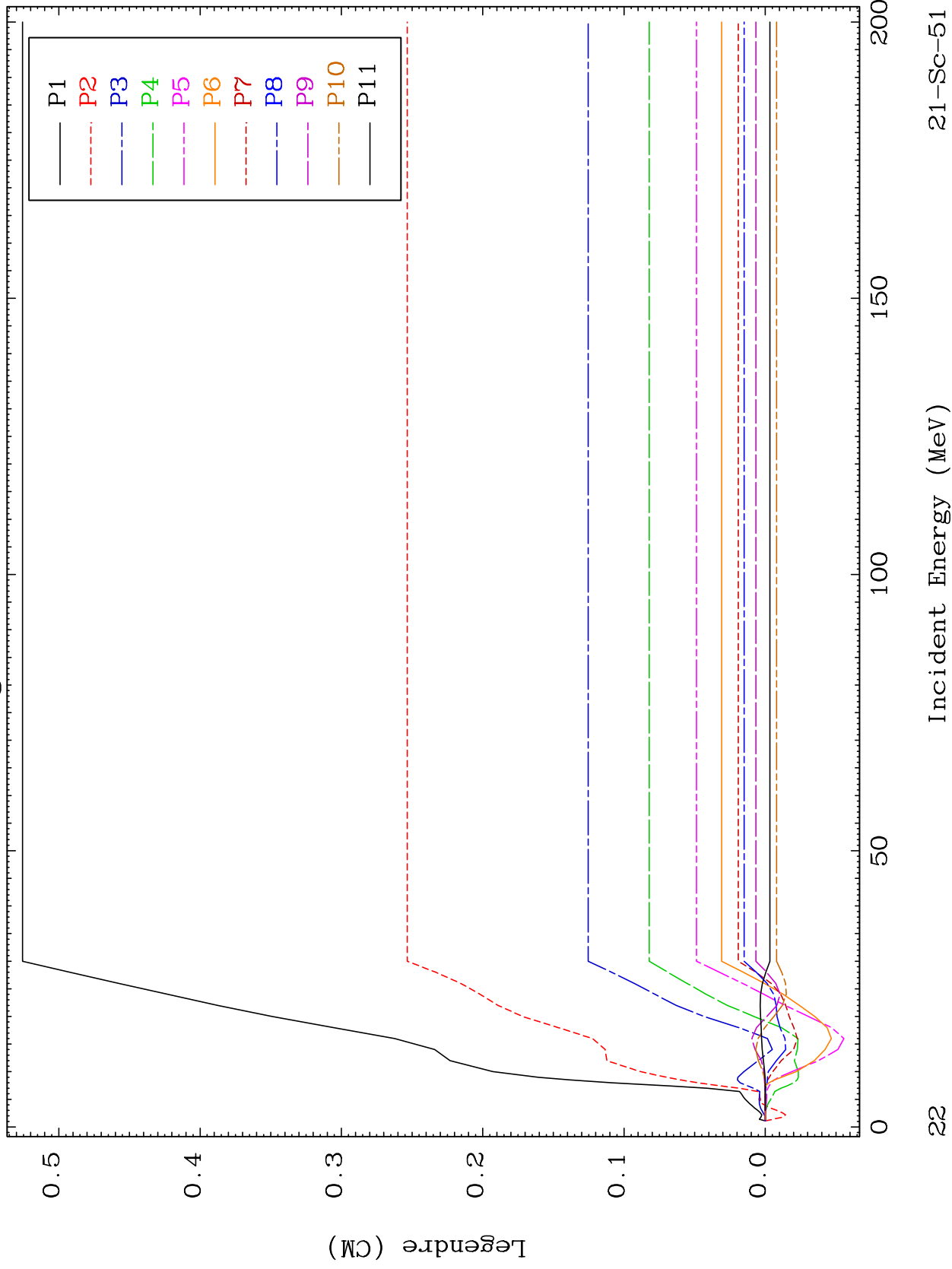
21

21-Sc-51

MAT 2143

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

21-Sc-51



21-Sc-51

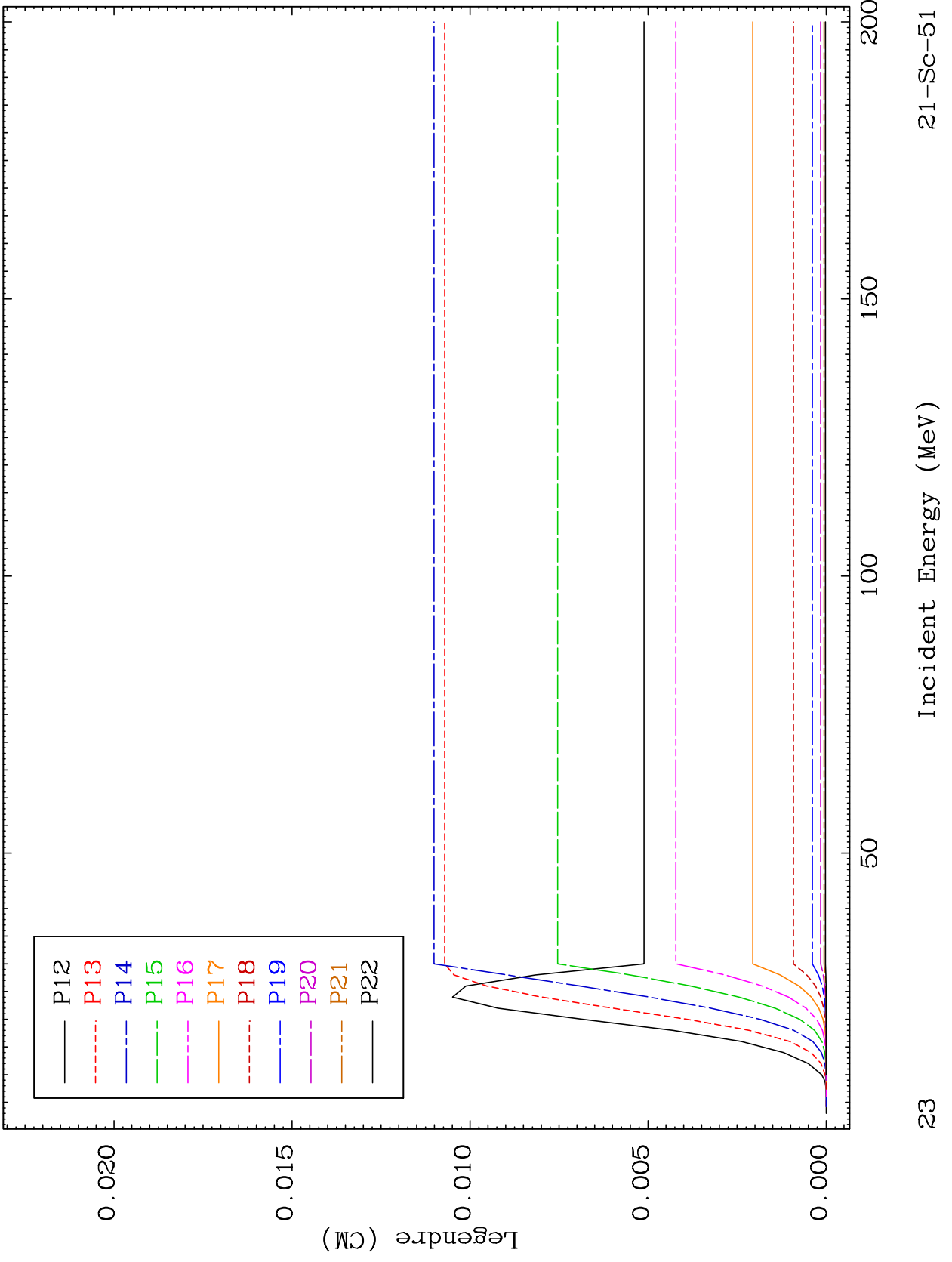
Incident Energy (MeV)

22

MAT 2143

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

21-Sc-51



23

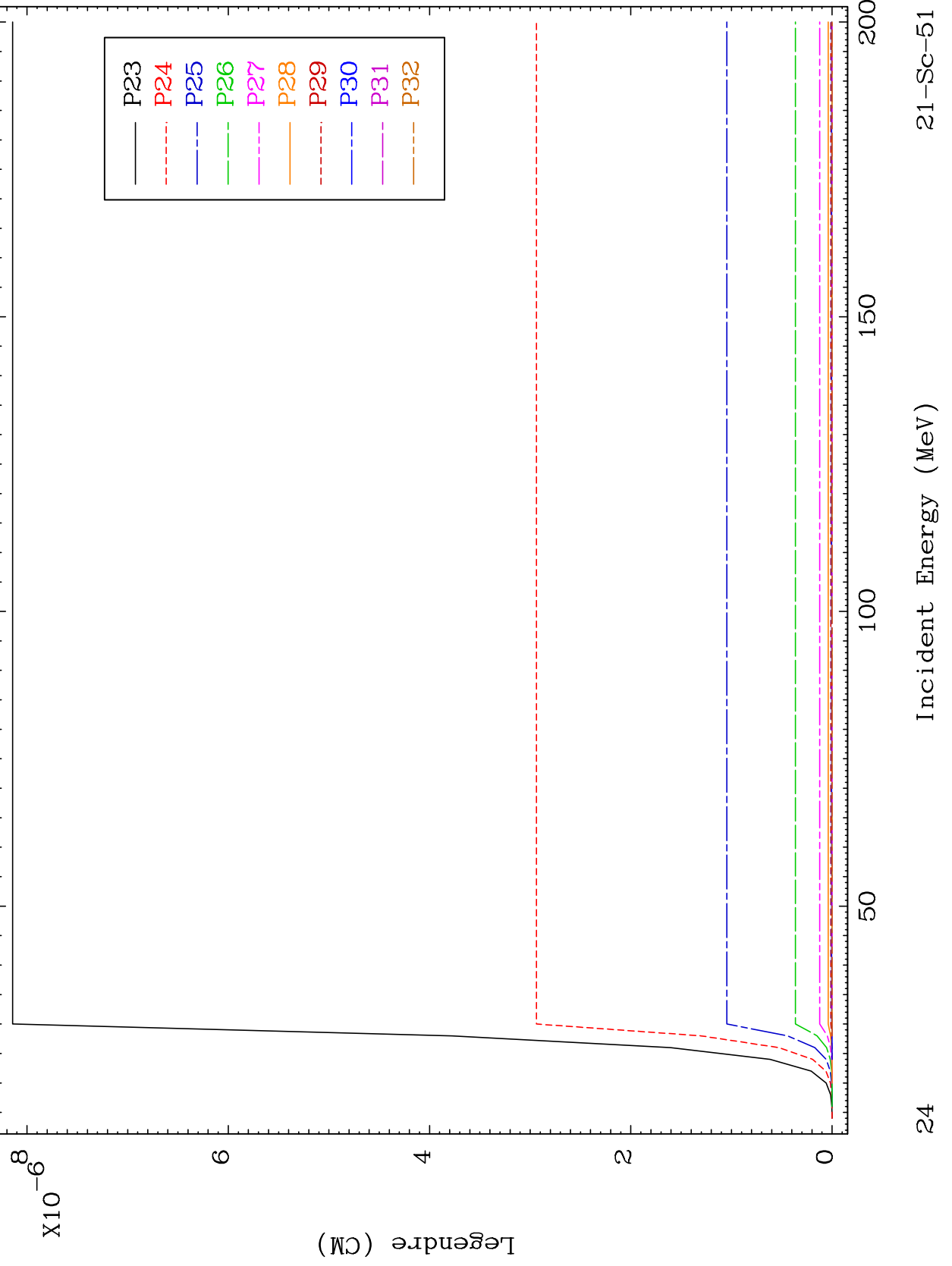
21-Sc-51

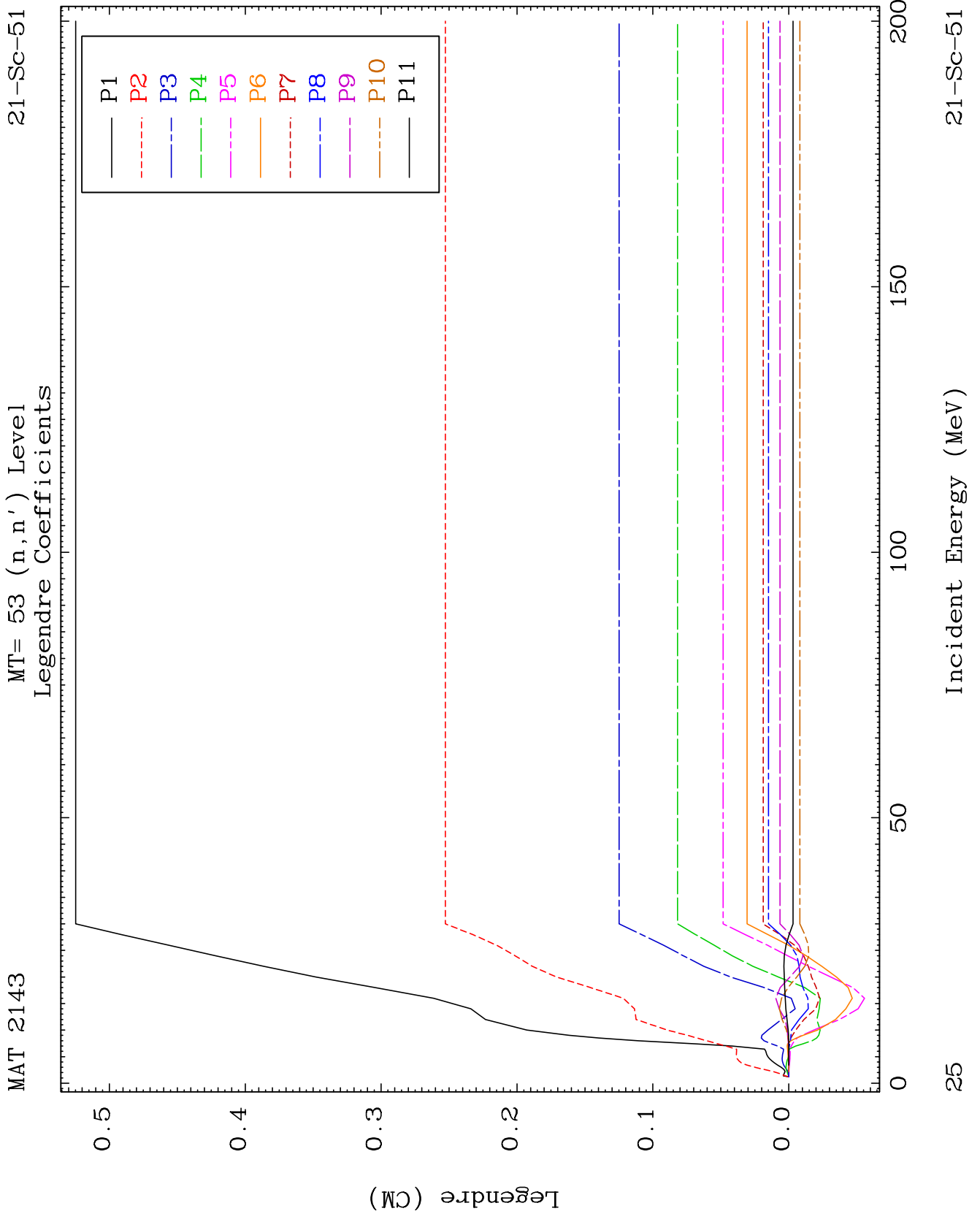


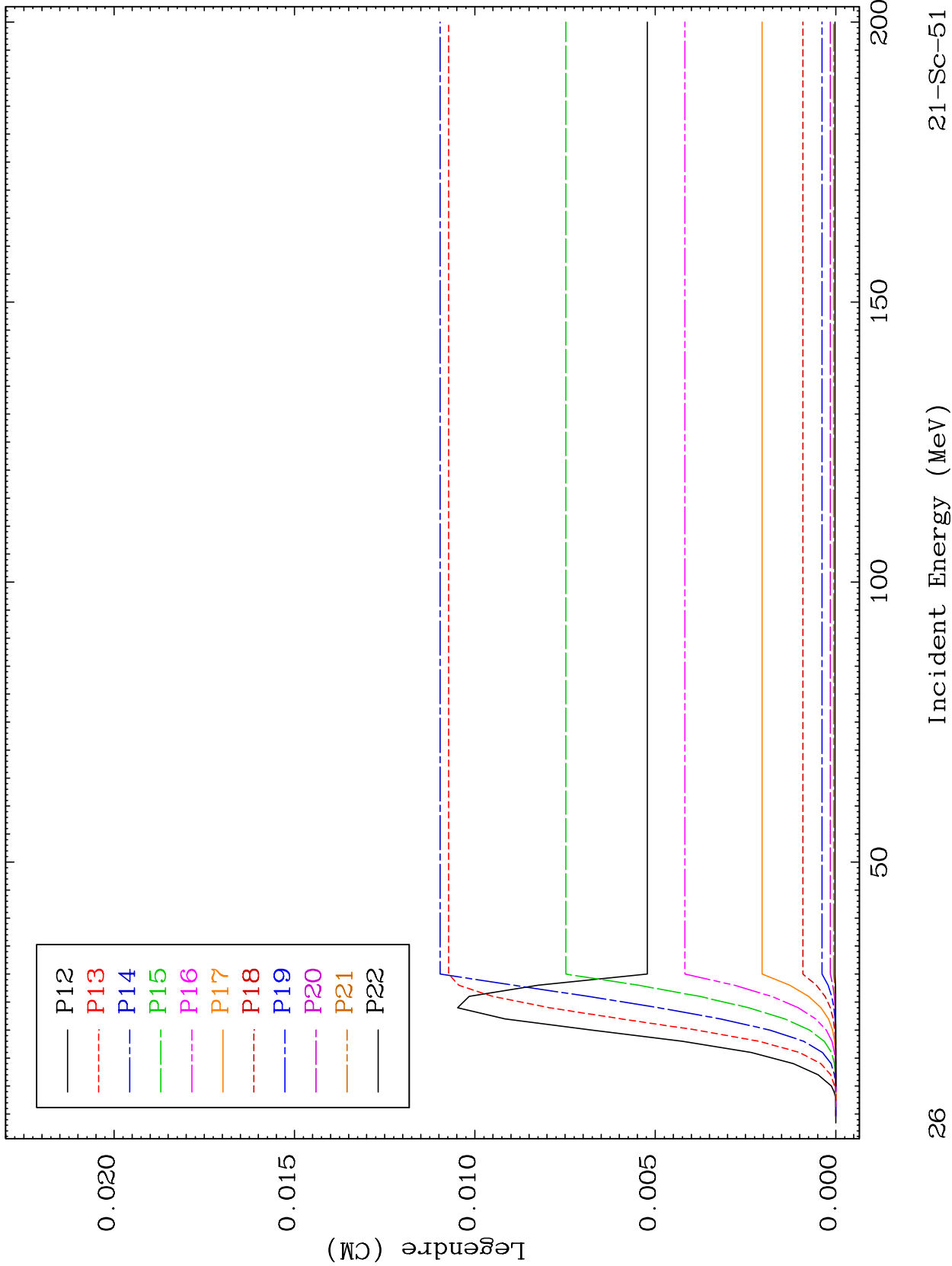
MAT 2143

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

21-Sc-51



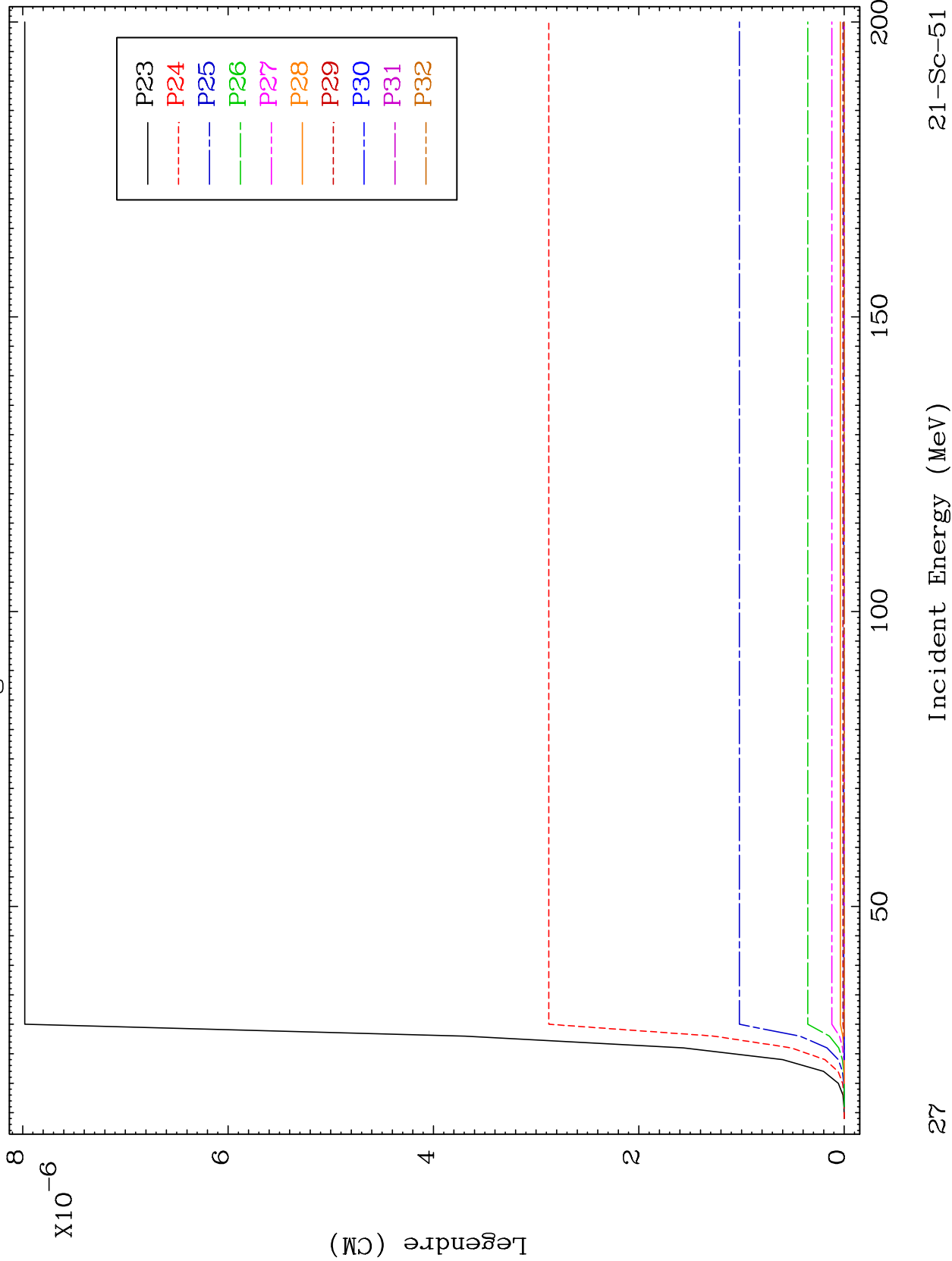




MAT 2143

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

21-Sc-51



27

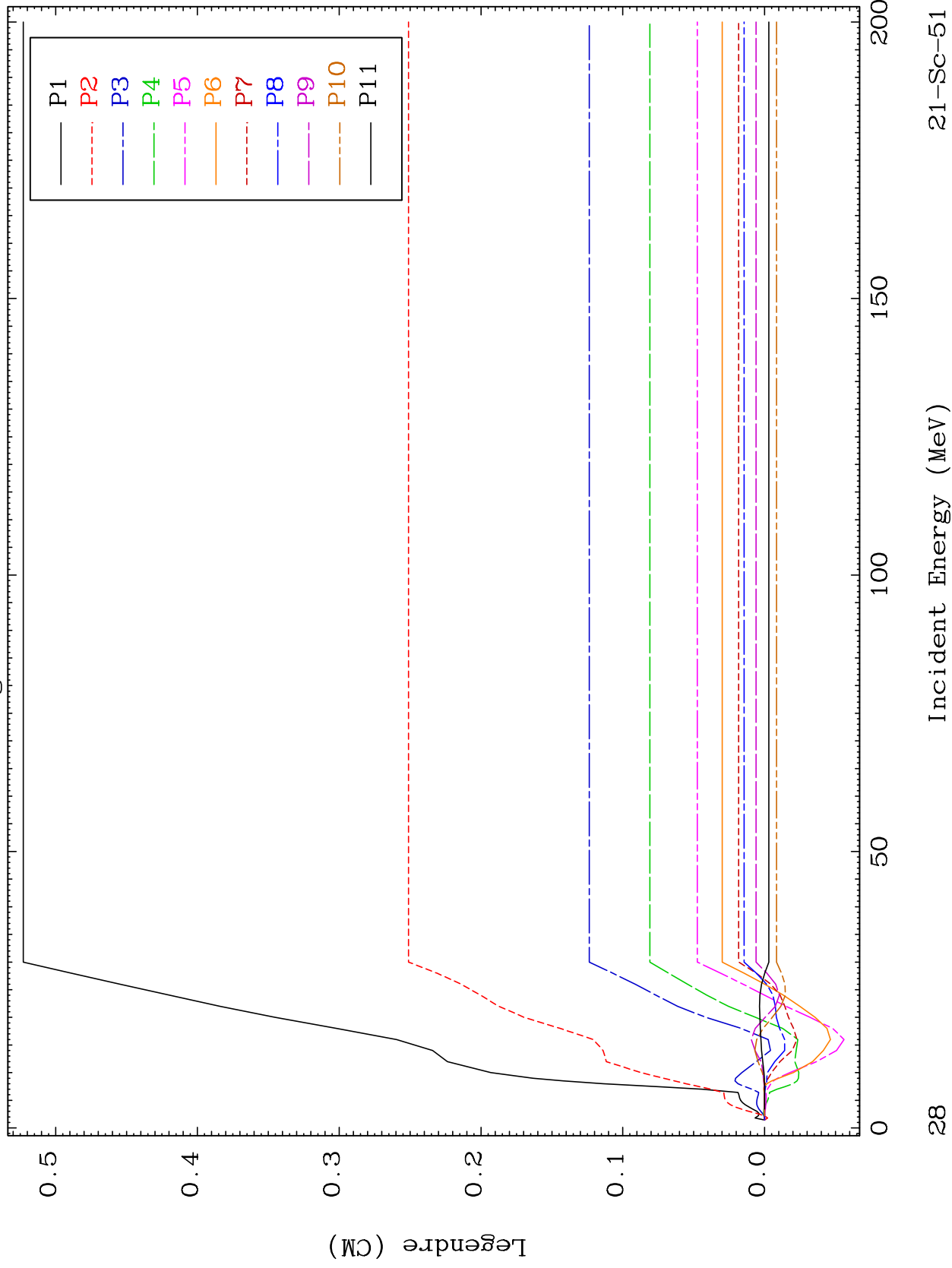
Incident Energy (MeV)

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MAT 2143

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

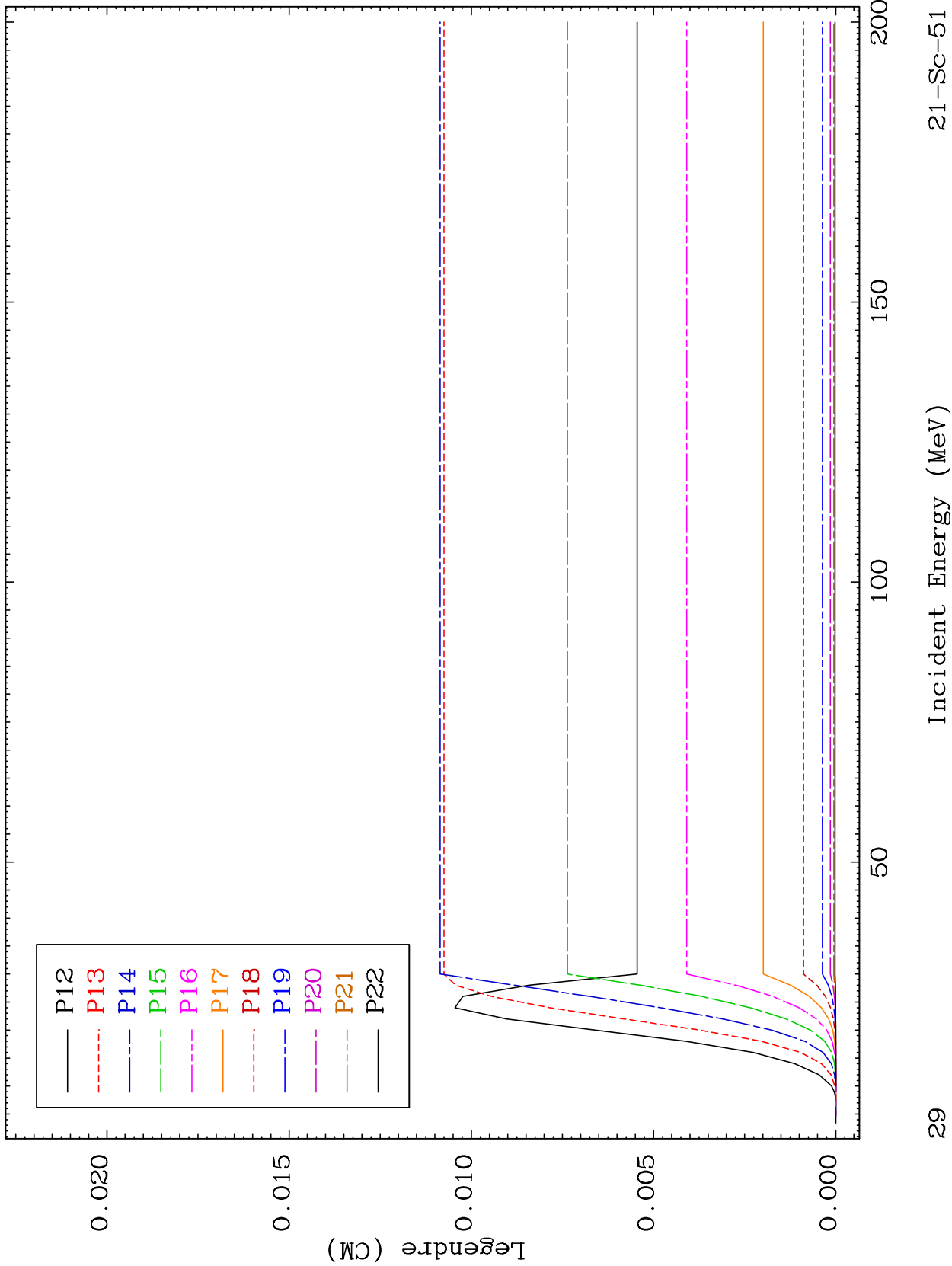
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21-Sc-51

Incident Energy (MeV)

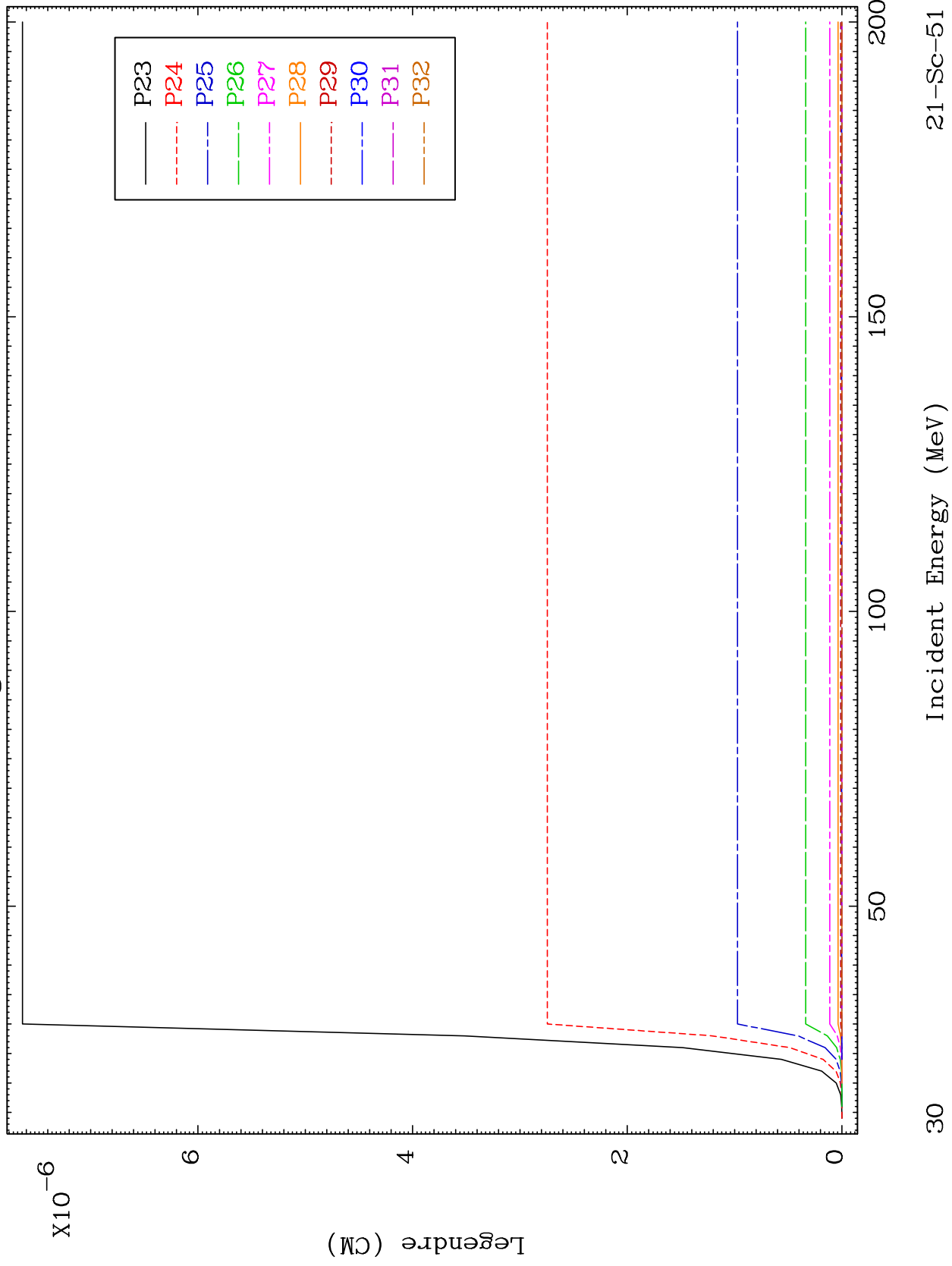
28



MAT 2143

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

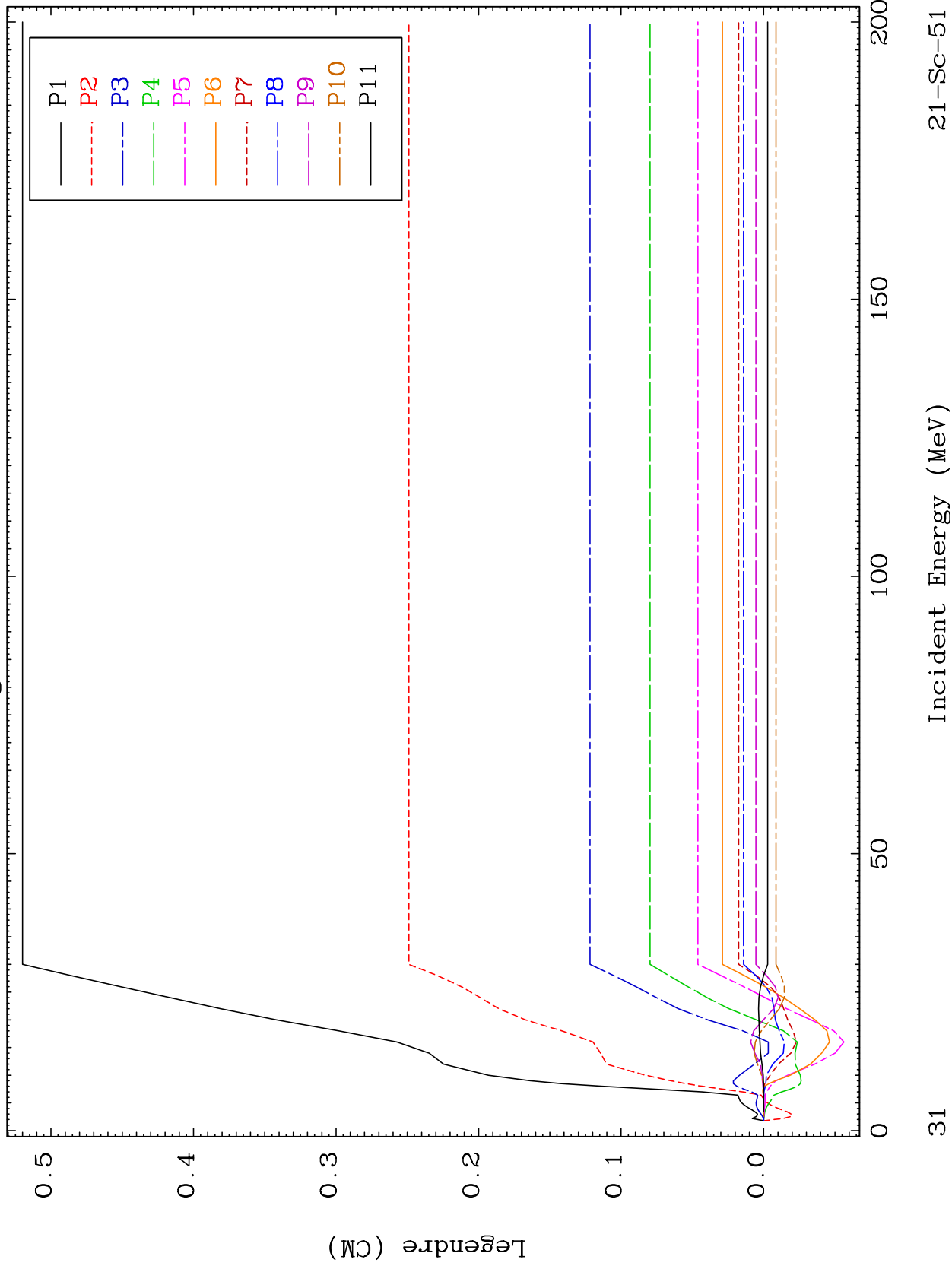
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MAT 2143

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

21-Sc-51

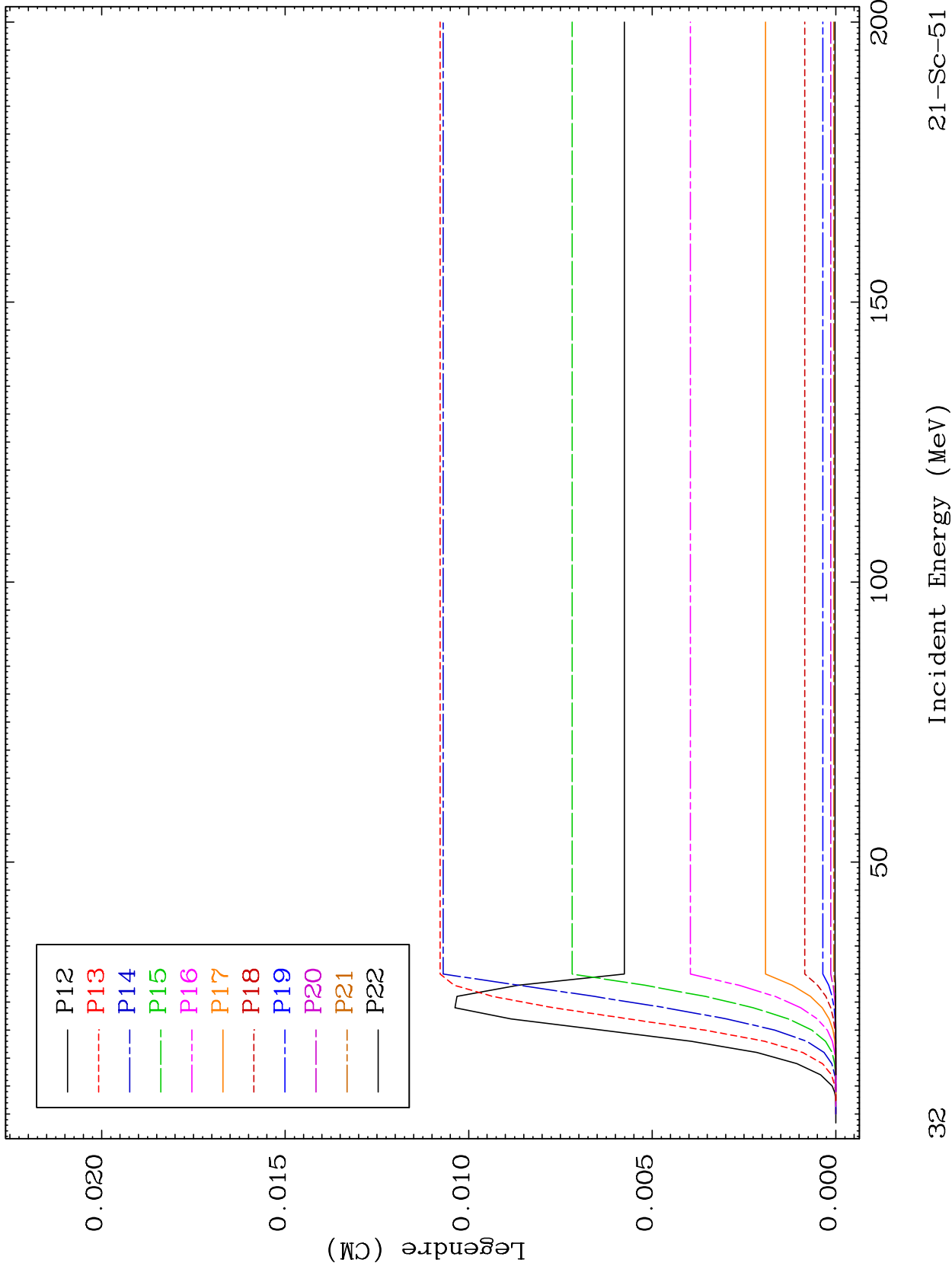


31

Incident Energy (MeV)

21-Sc-51

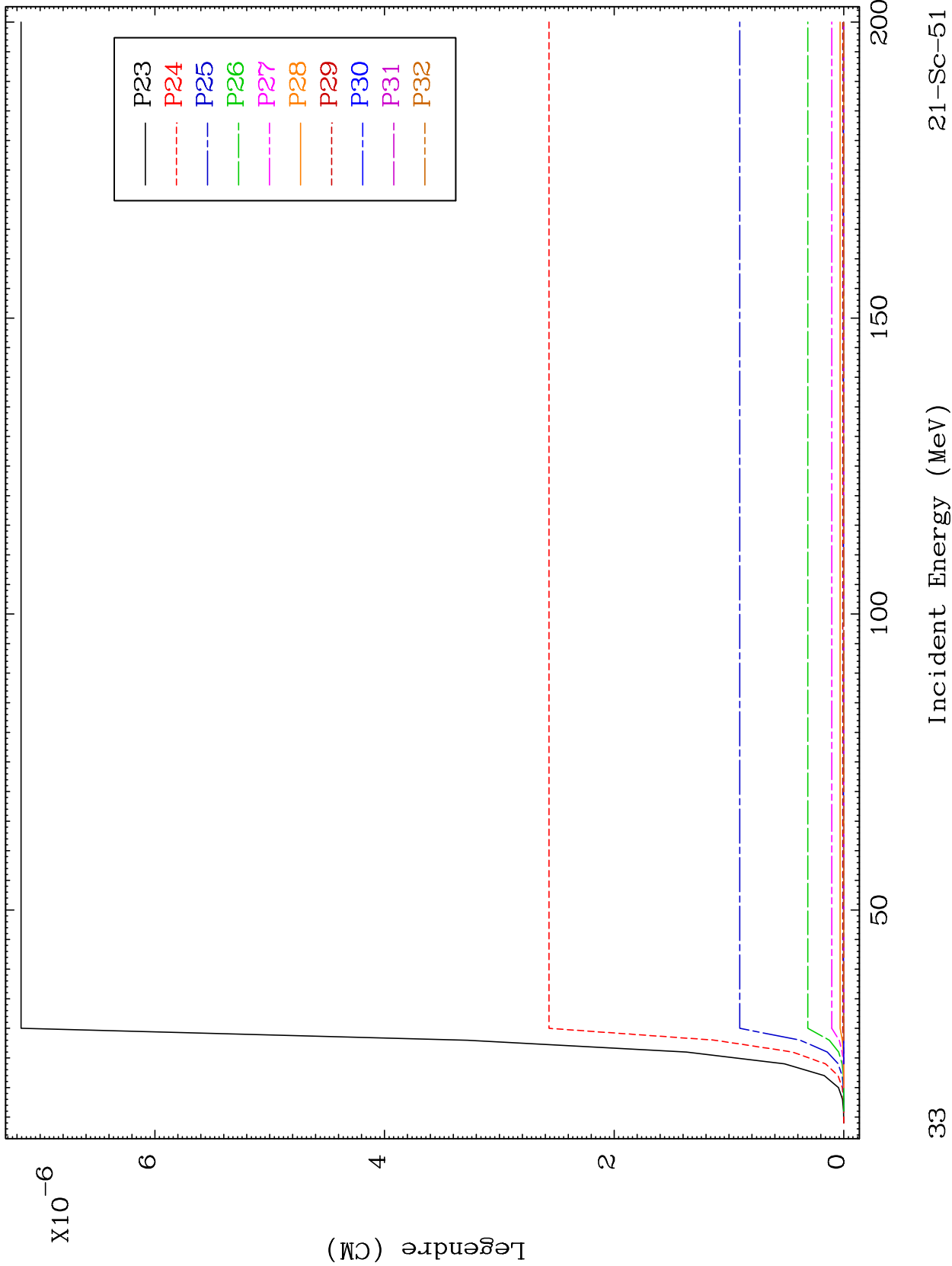




MAT 2143

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

21-Sc-51



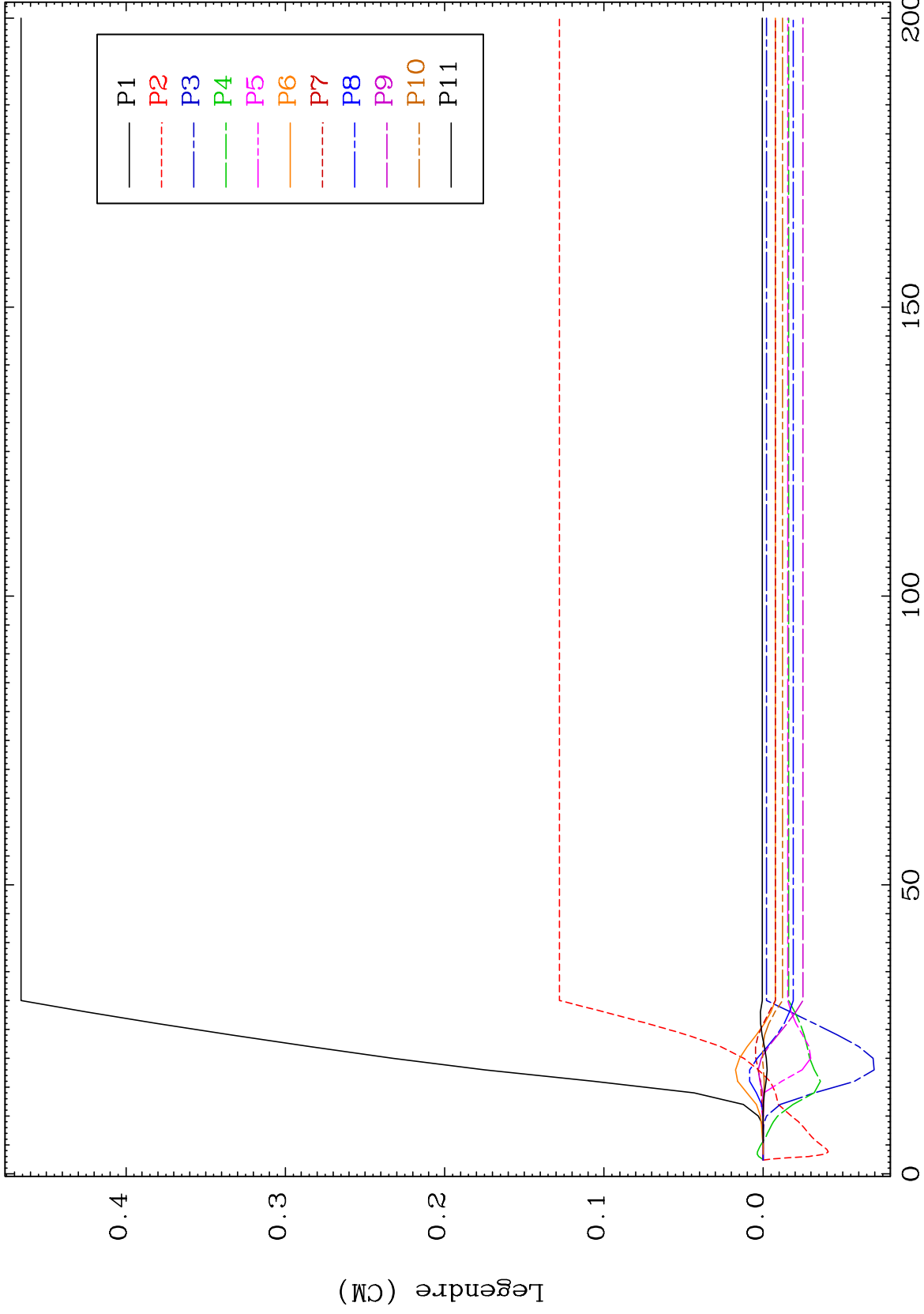
33

21-Sc-51

MAT 2143

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

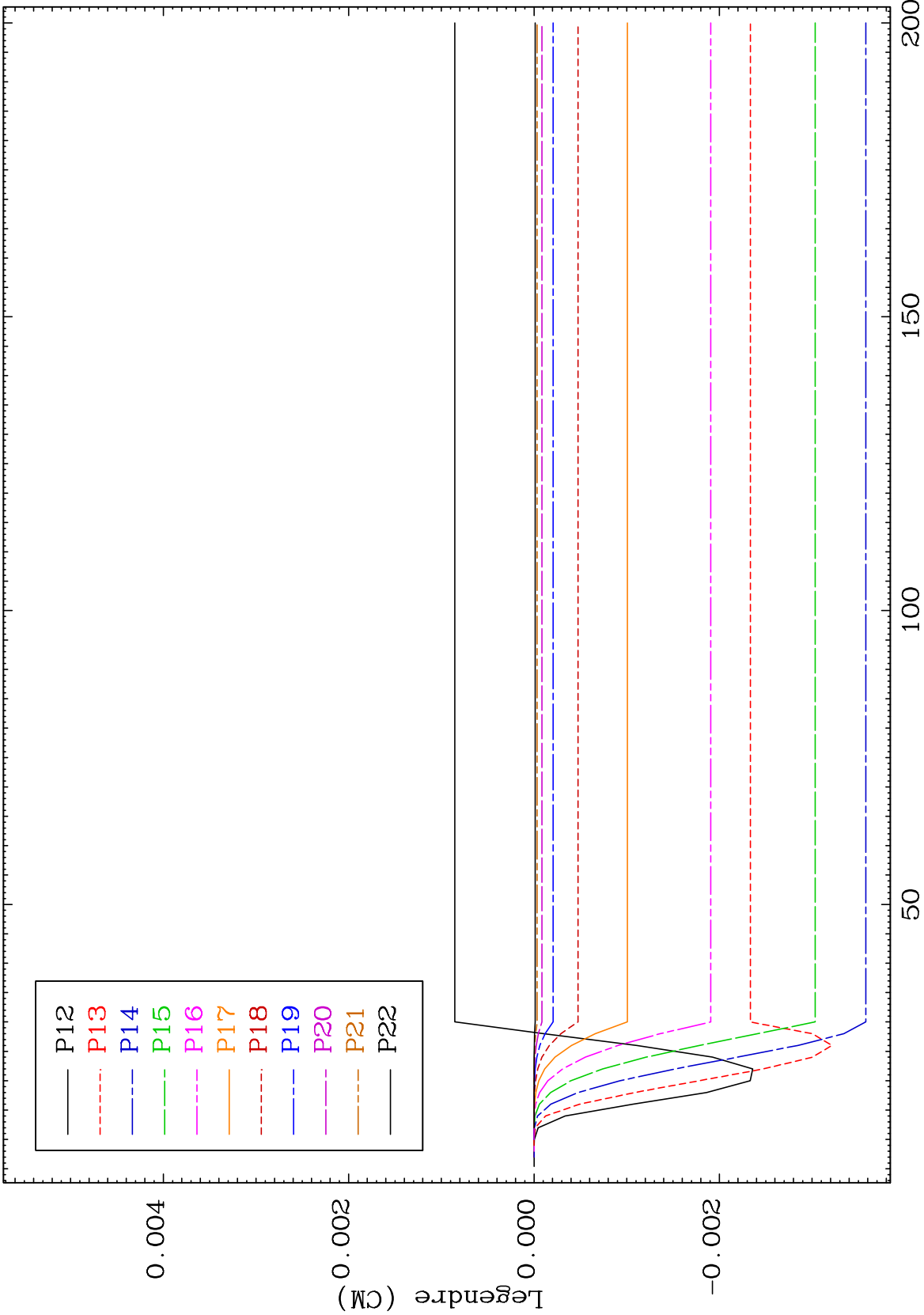
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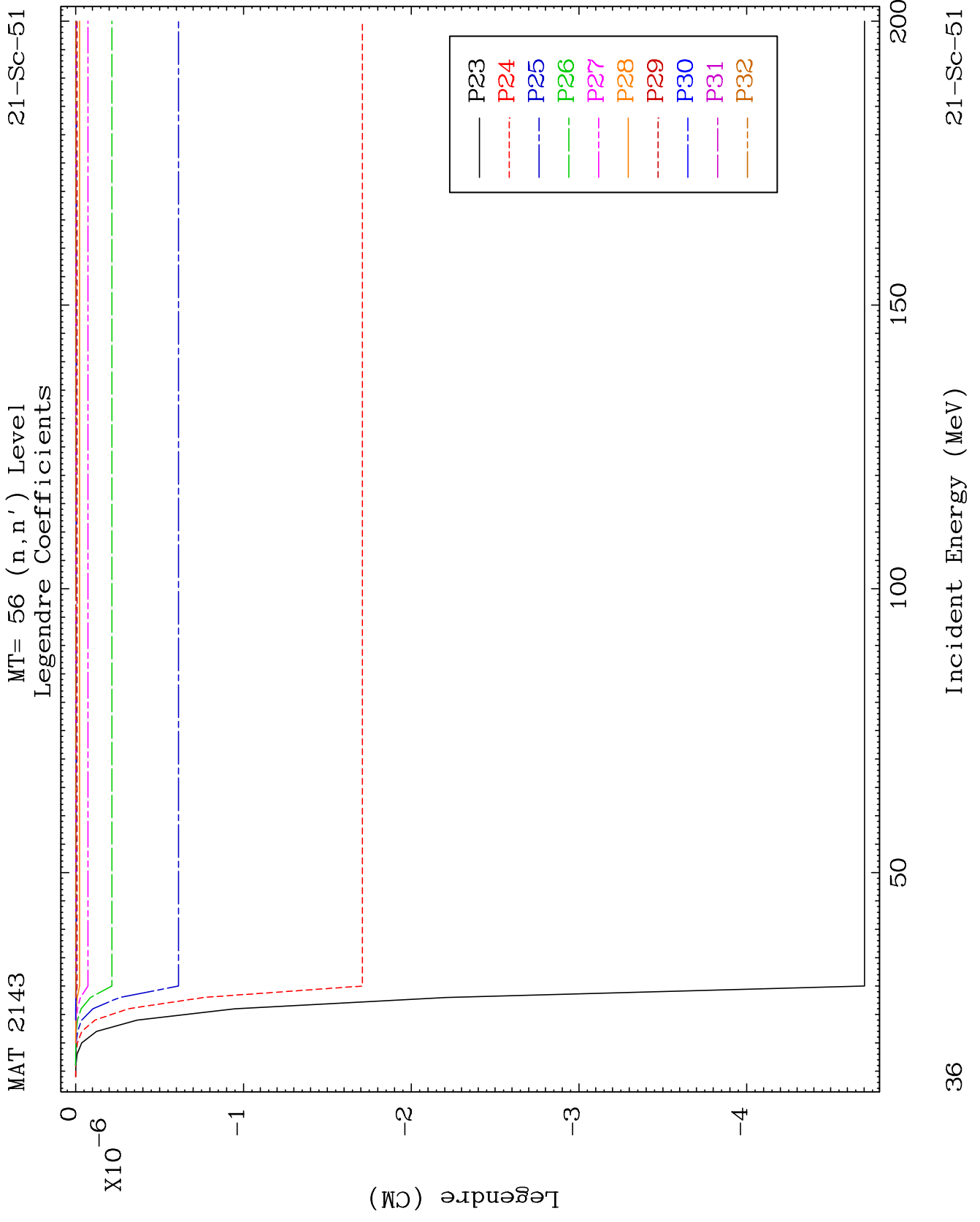


34

Incident Energy (MeV)

21-Sc-51

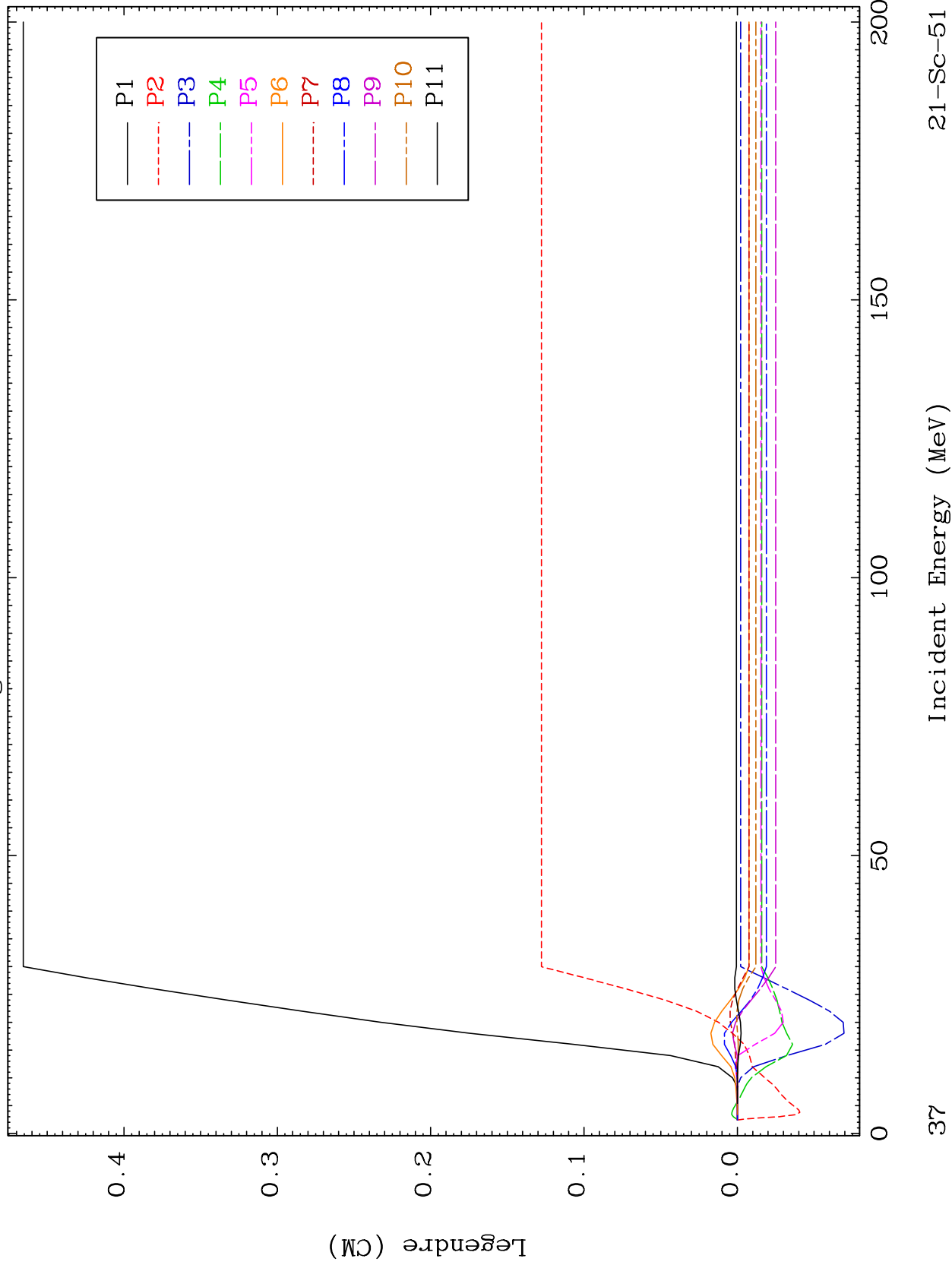




MAT 2143

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

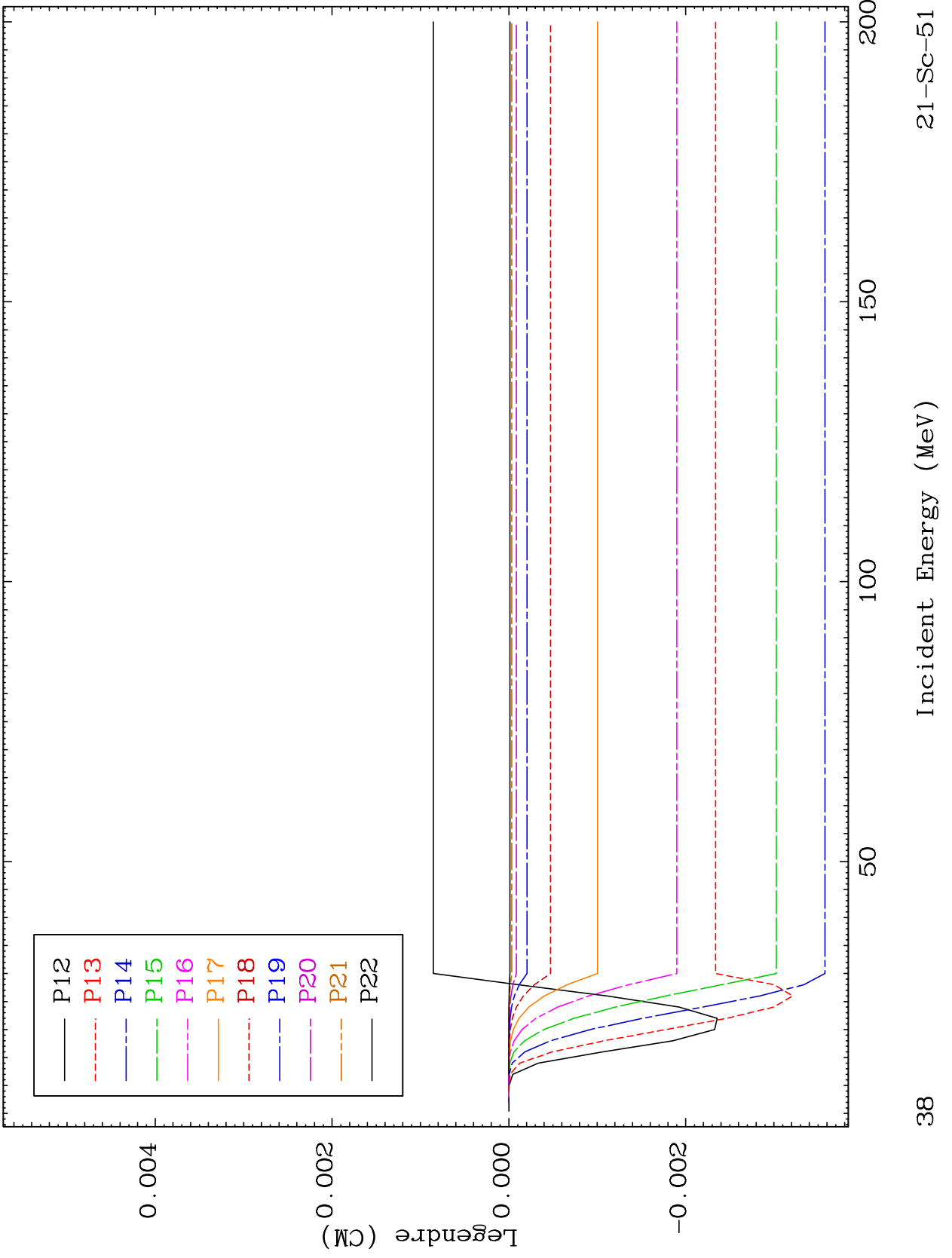
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21-Sc-51

Incident Energy (MeV)

37



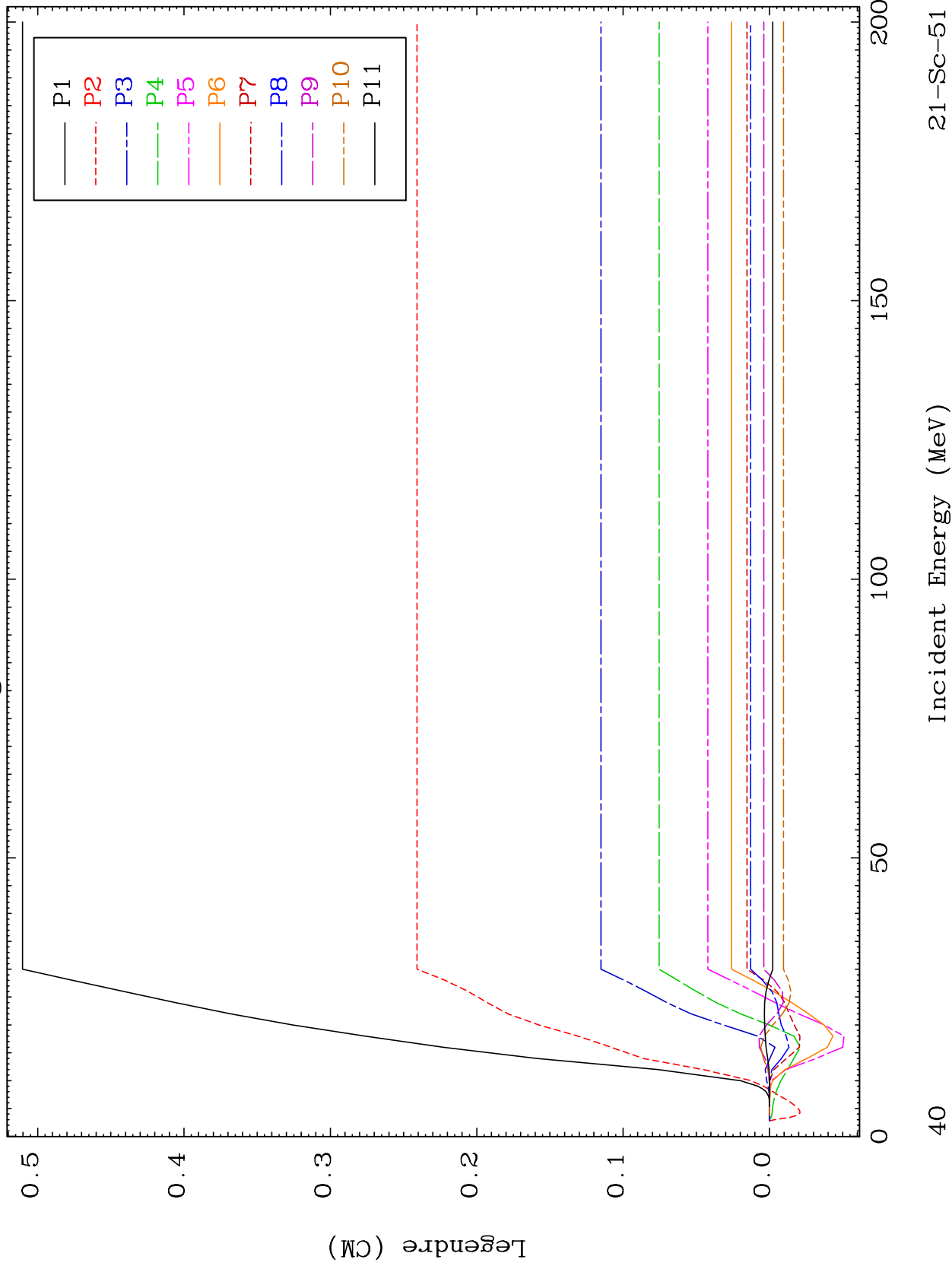




MAT 2143

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

21-Sc-51

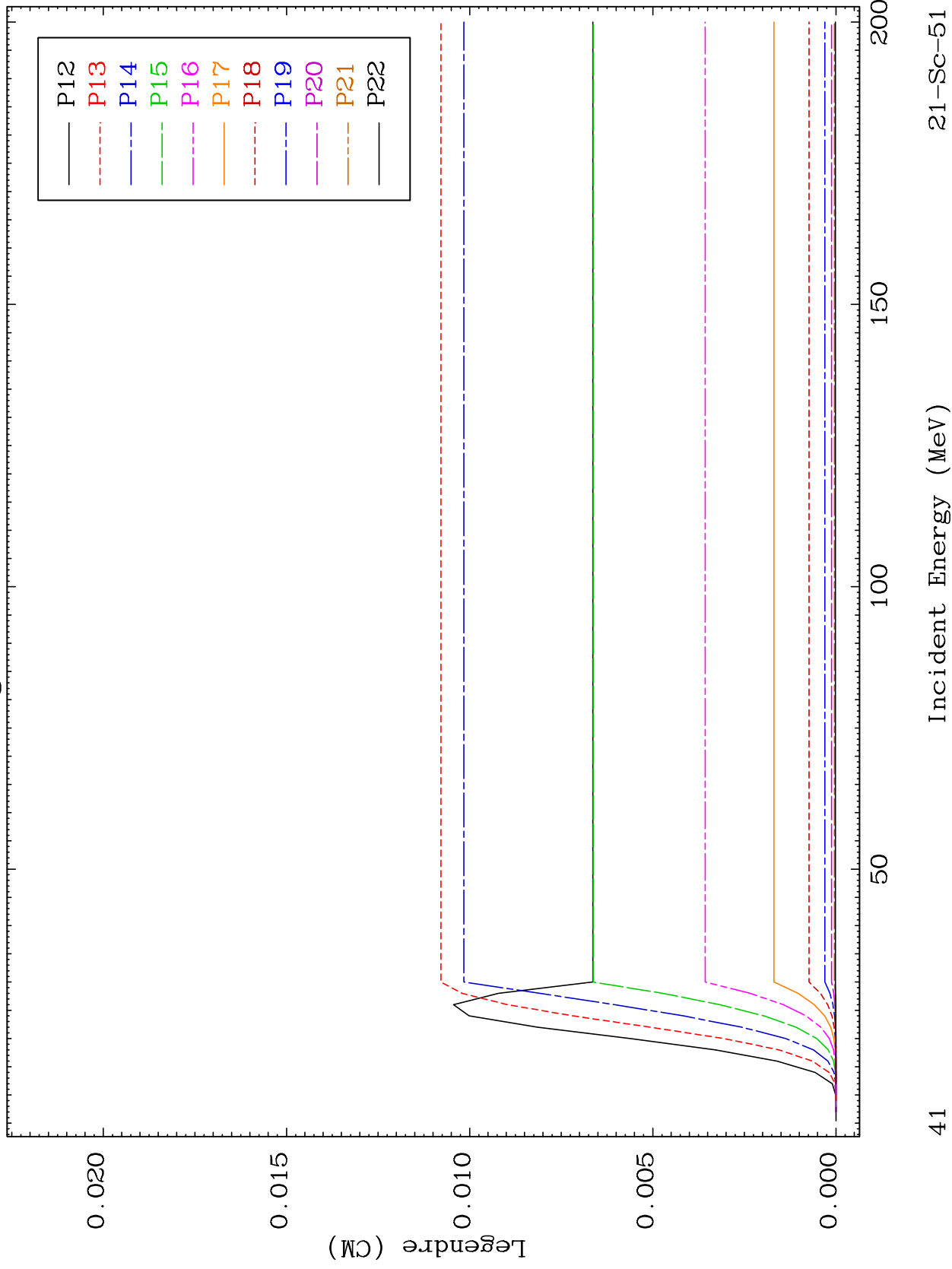


21-Sc-51

MAT 2143

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

21-Sc-51



41

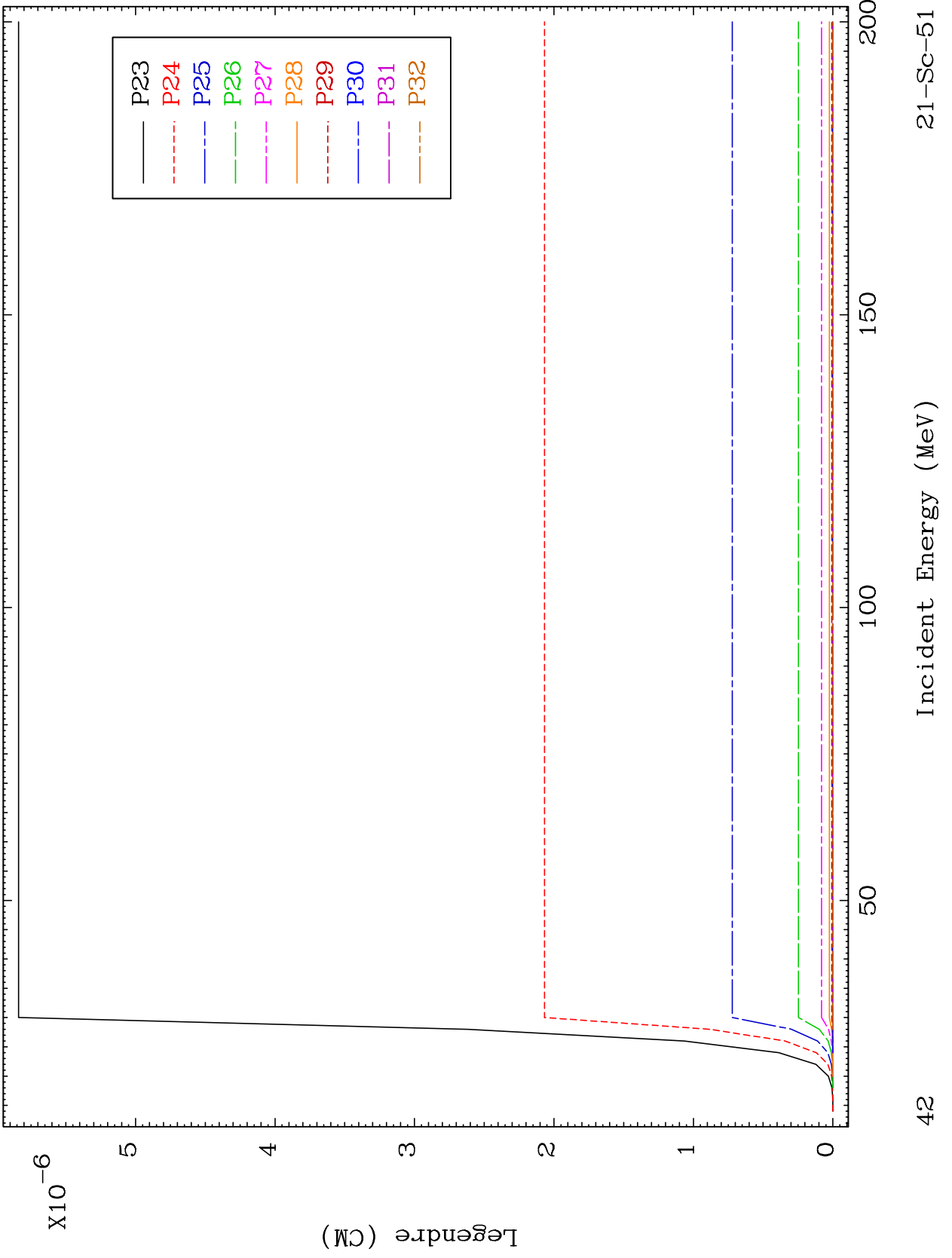
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

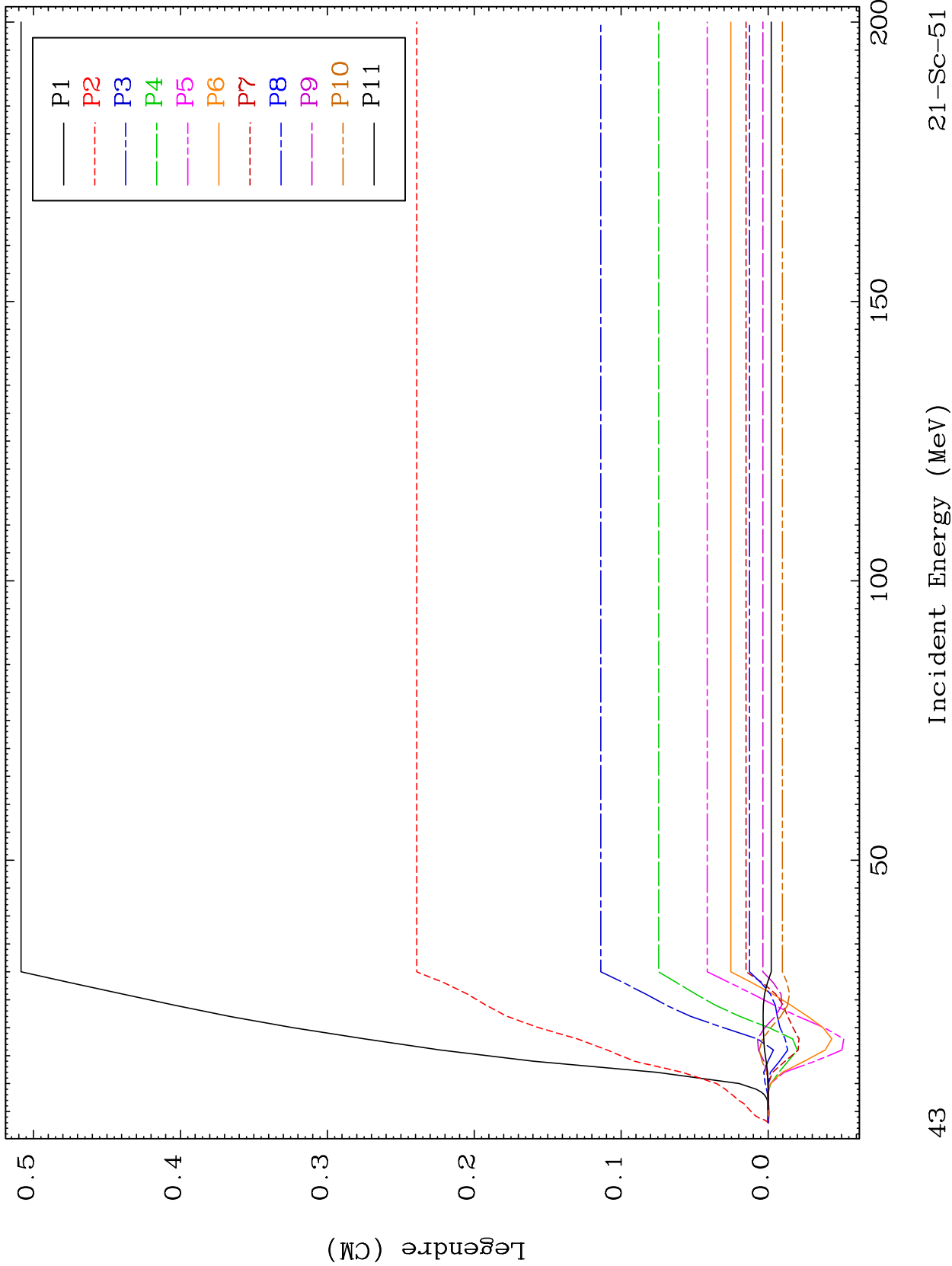
21-Sc-51



MAT 2143

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

21-Sc-51



43

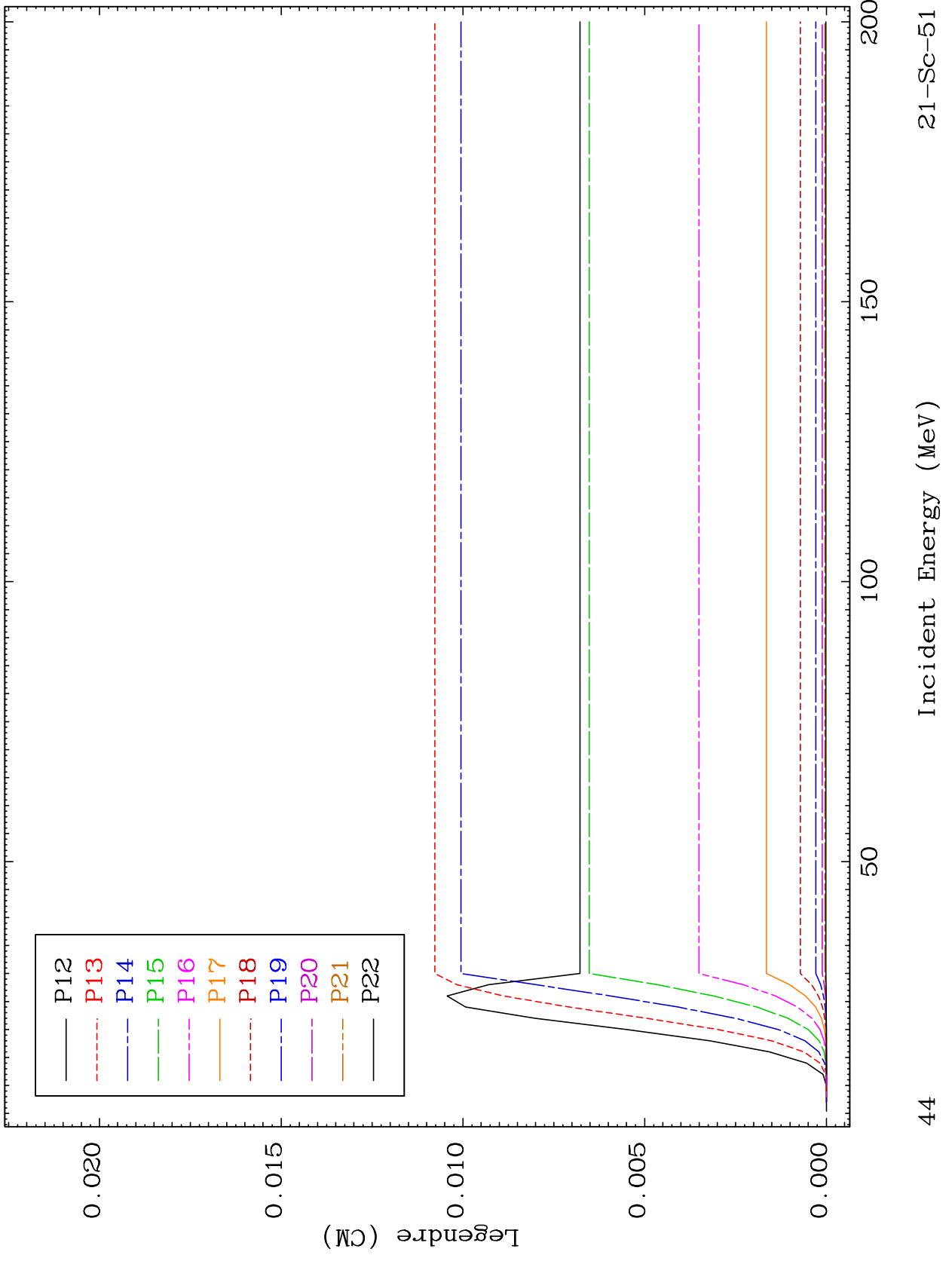
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



44

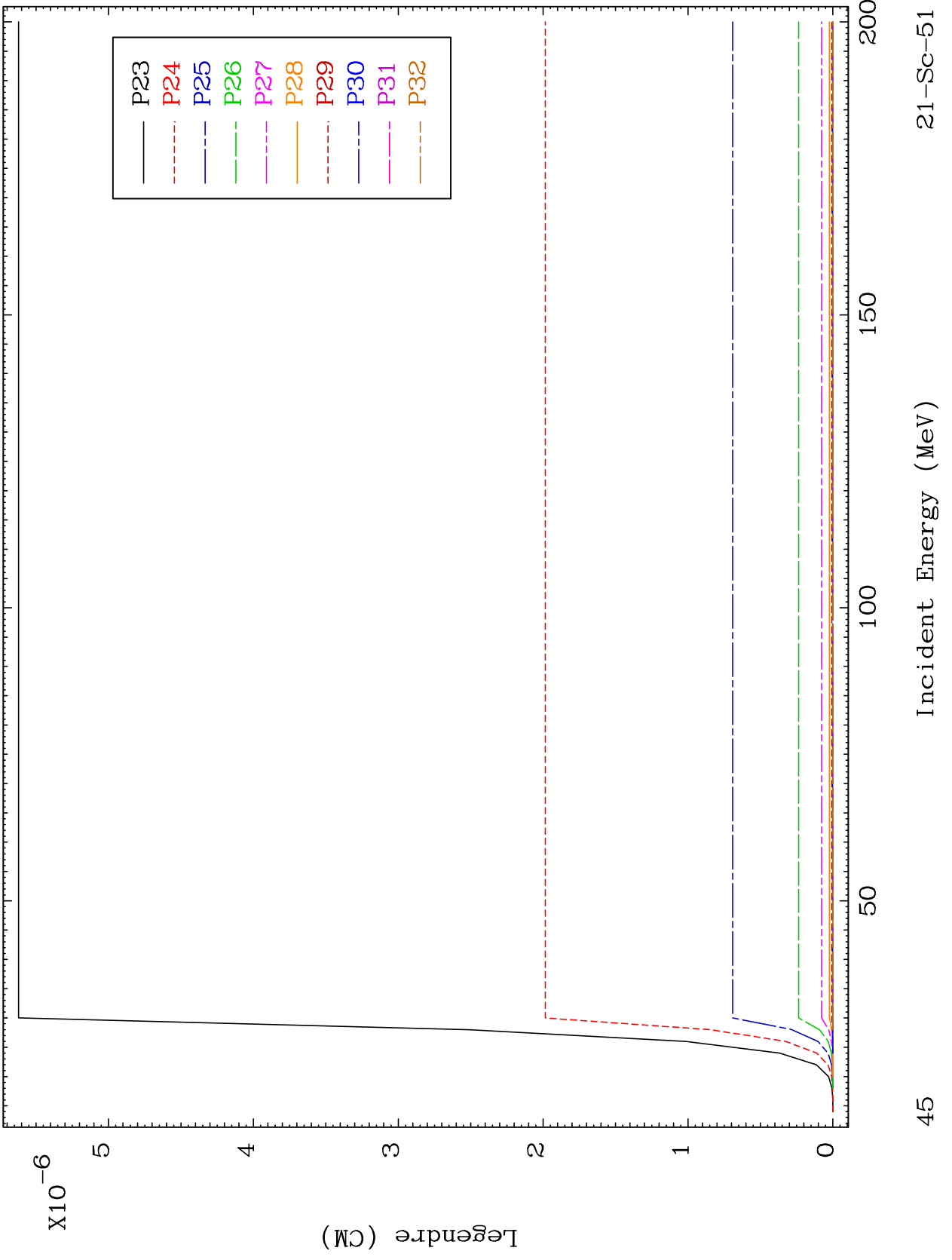
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

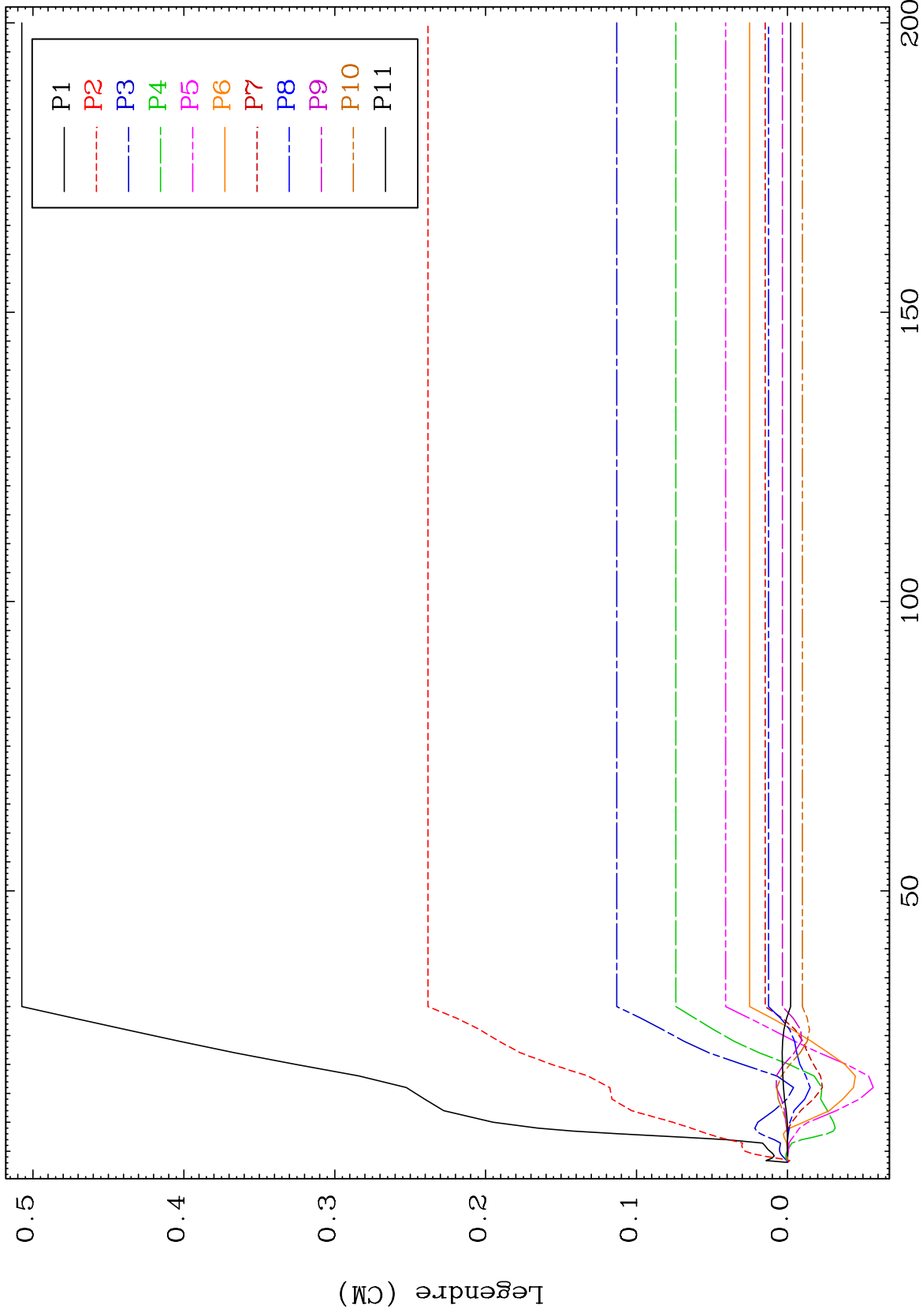
21-Sc-51



MAT 2143

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

21-Sc-51



46

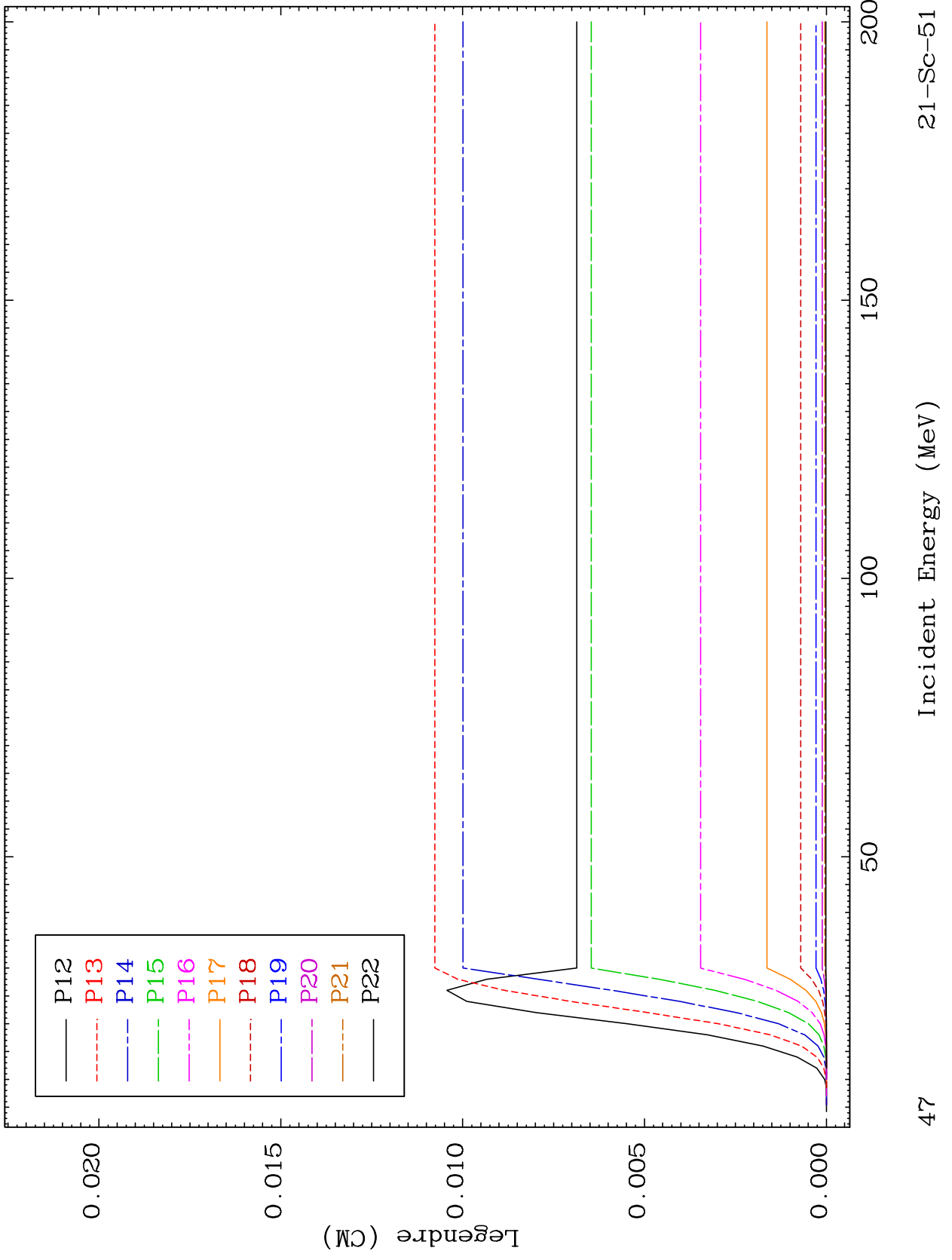
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



47

Incident Energy (MeV)

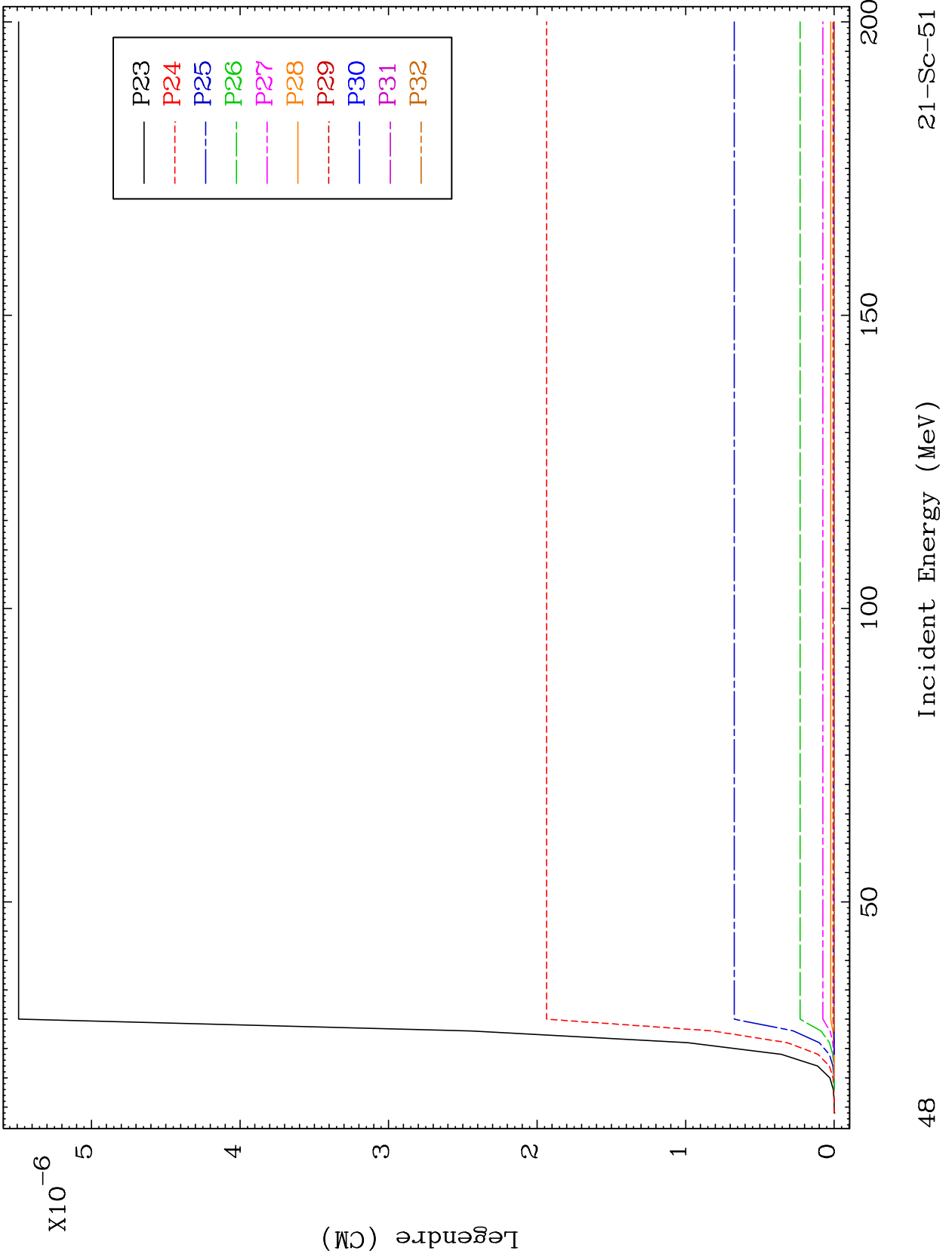
21-Sc-51



MAT 2143

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

21-Sc-51



48

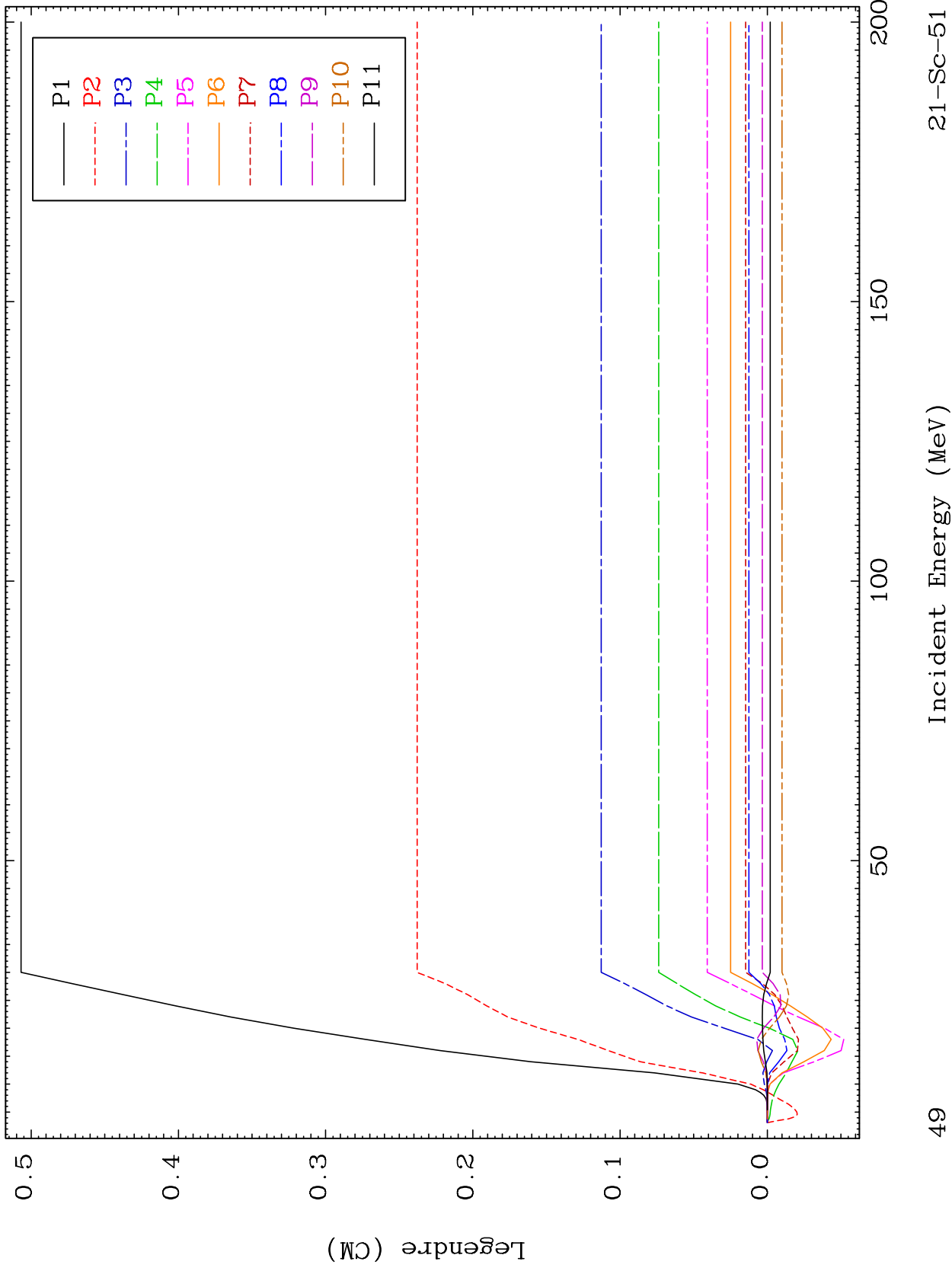
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



49

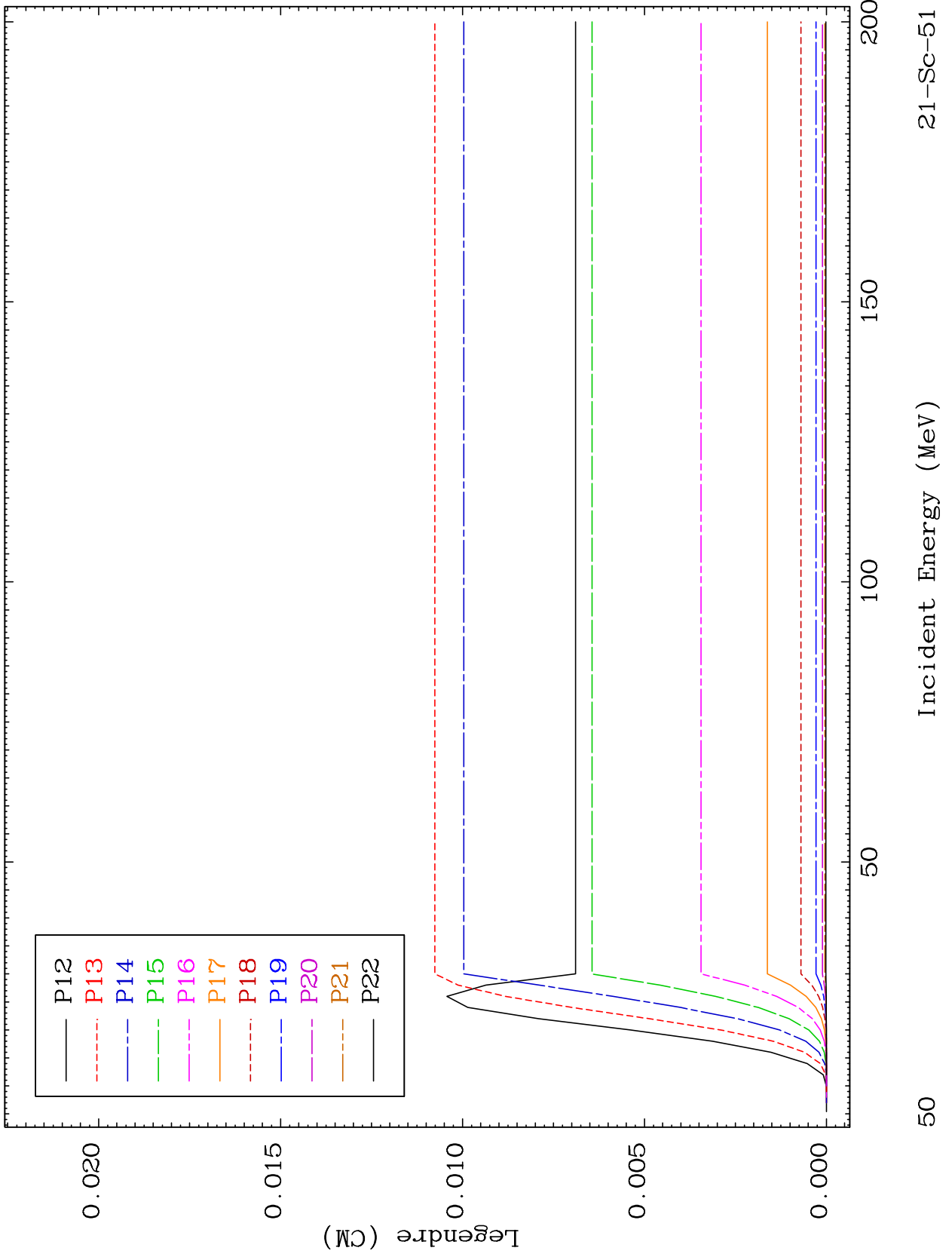
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

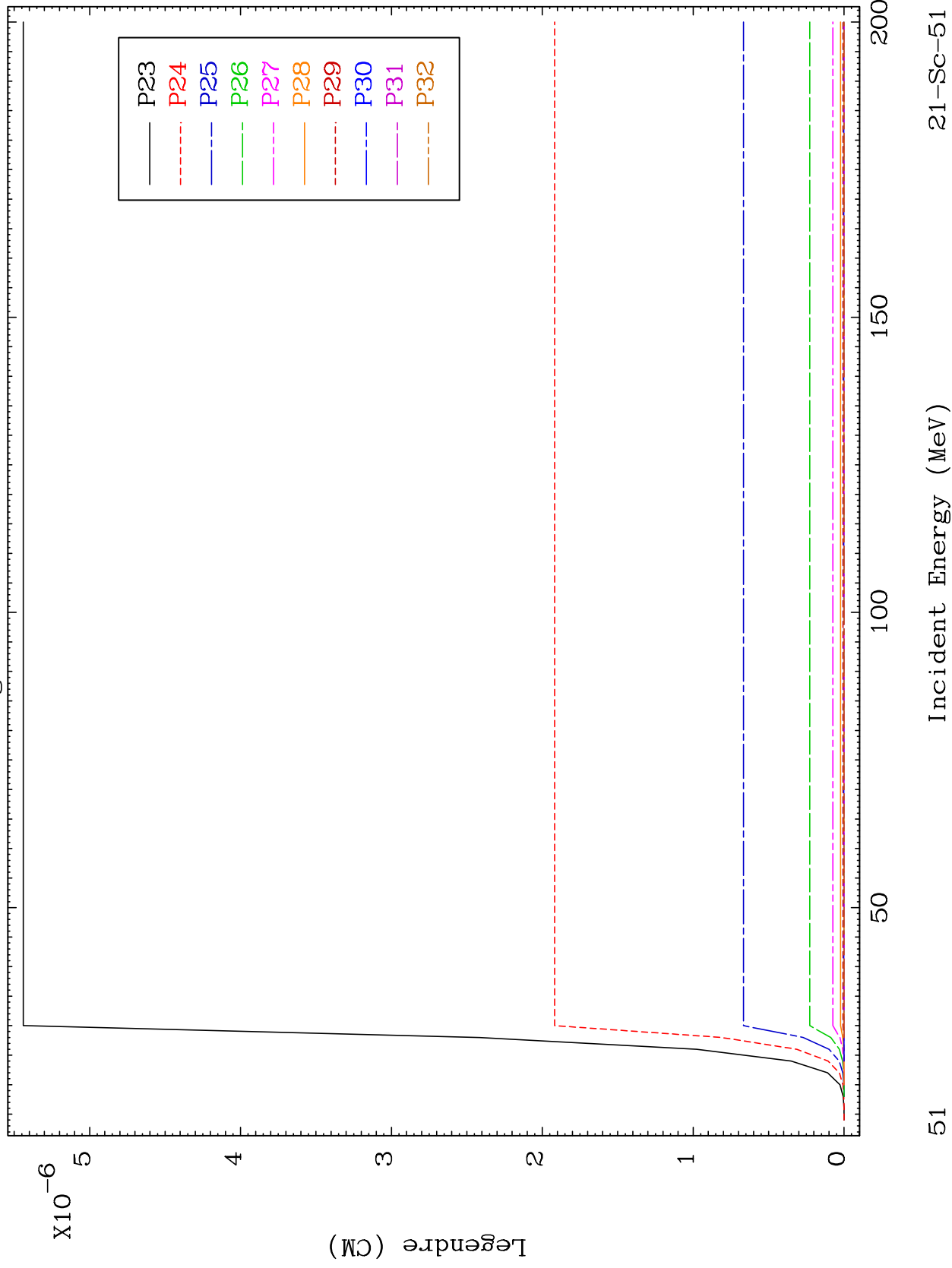
21-Sc-51



MAT 2143

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

21-Sc-51



51

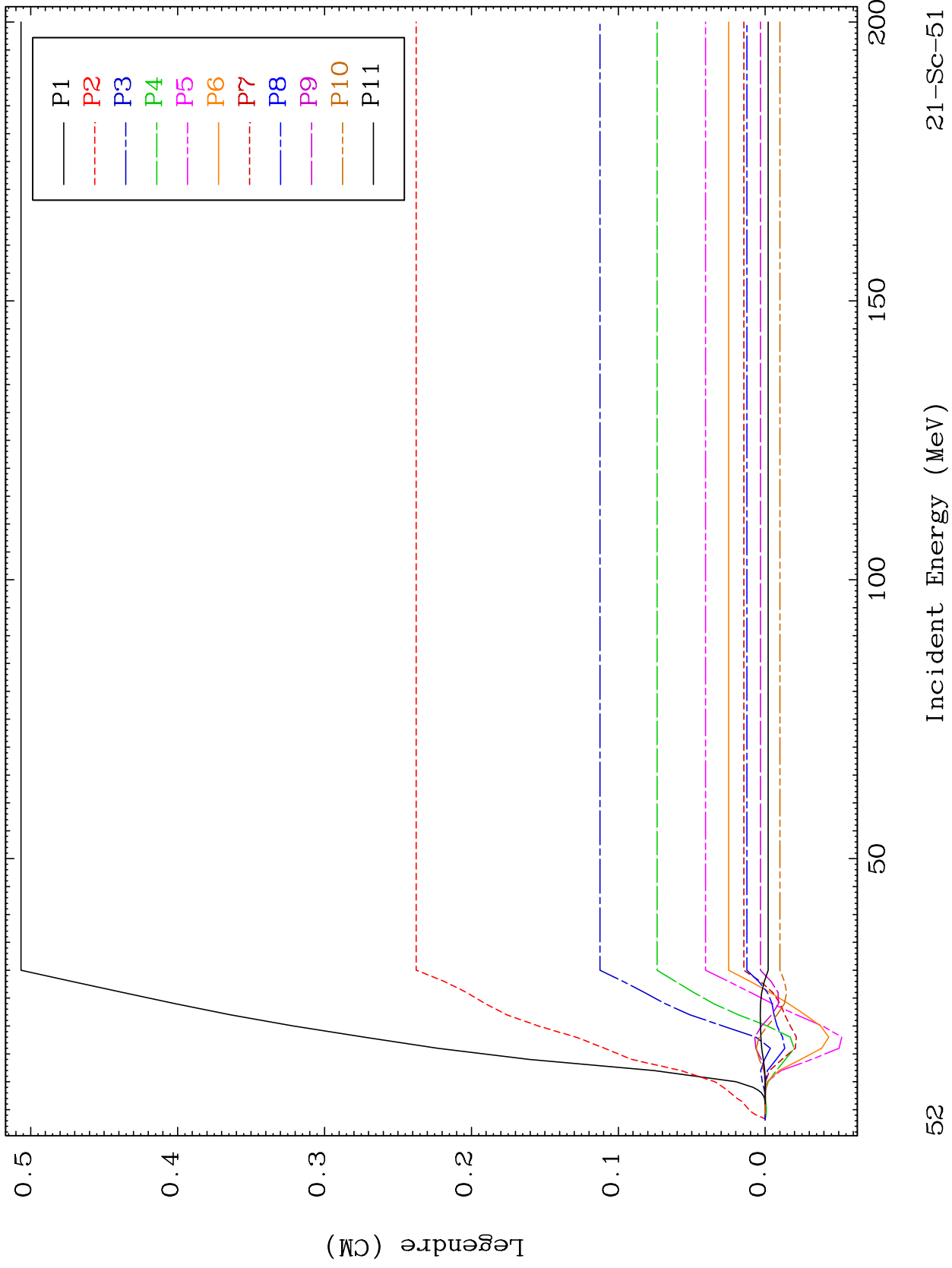
Incident Energy (MeV)

21-Sc-51

MAT 2143

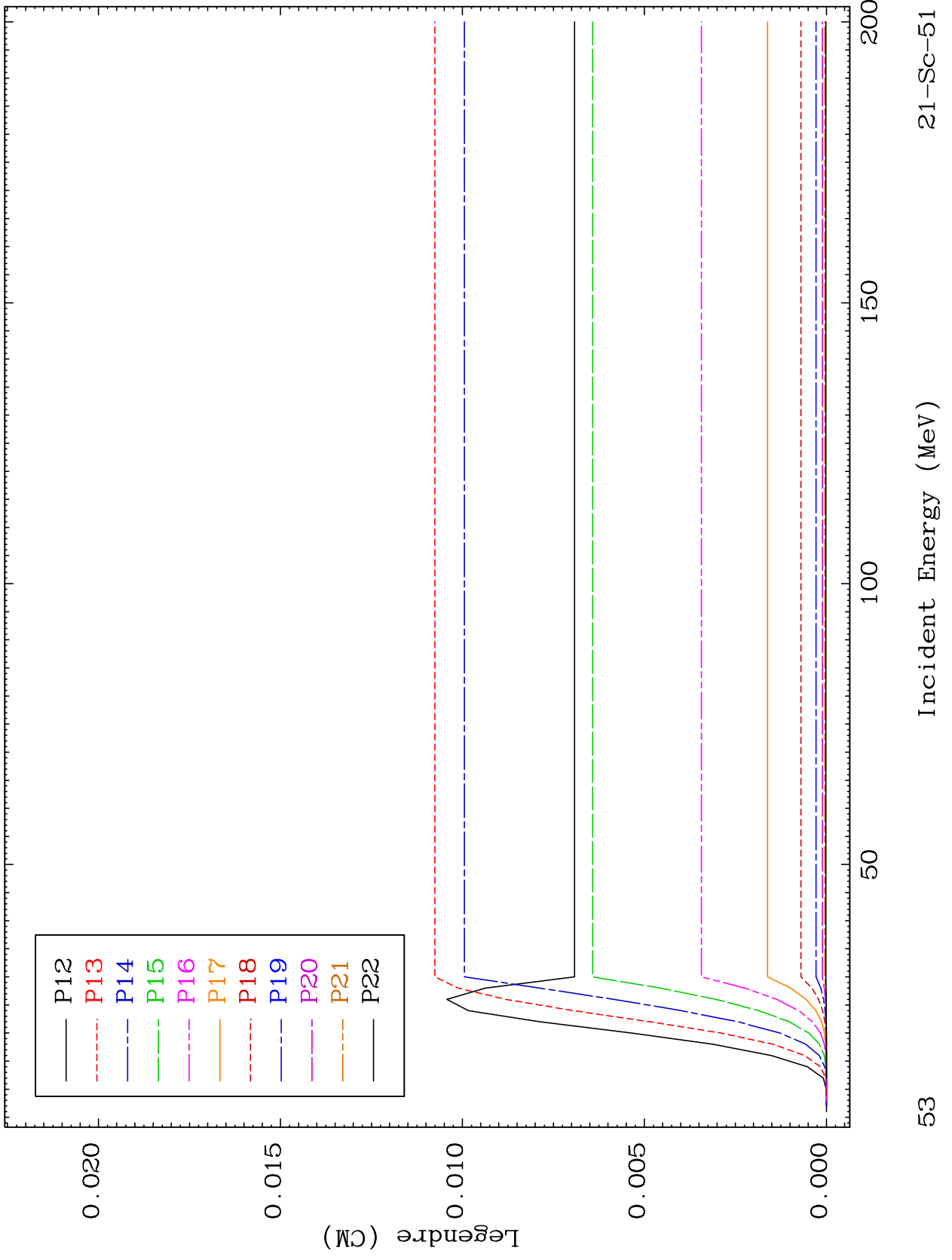
MT= 62 (n,n') Level  
Legendre Coefficients

21-Sc-51



52

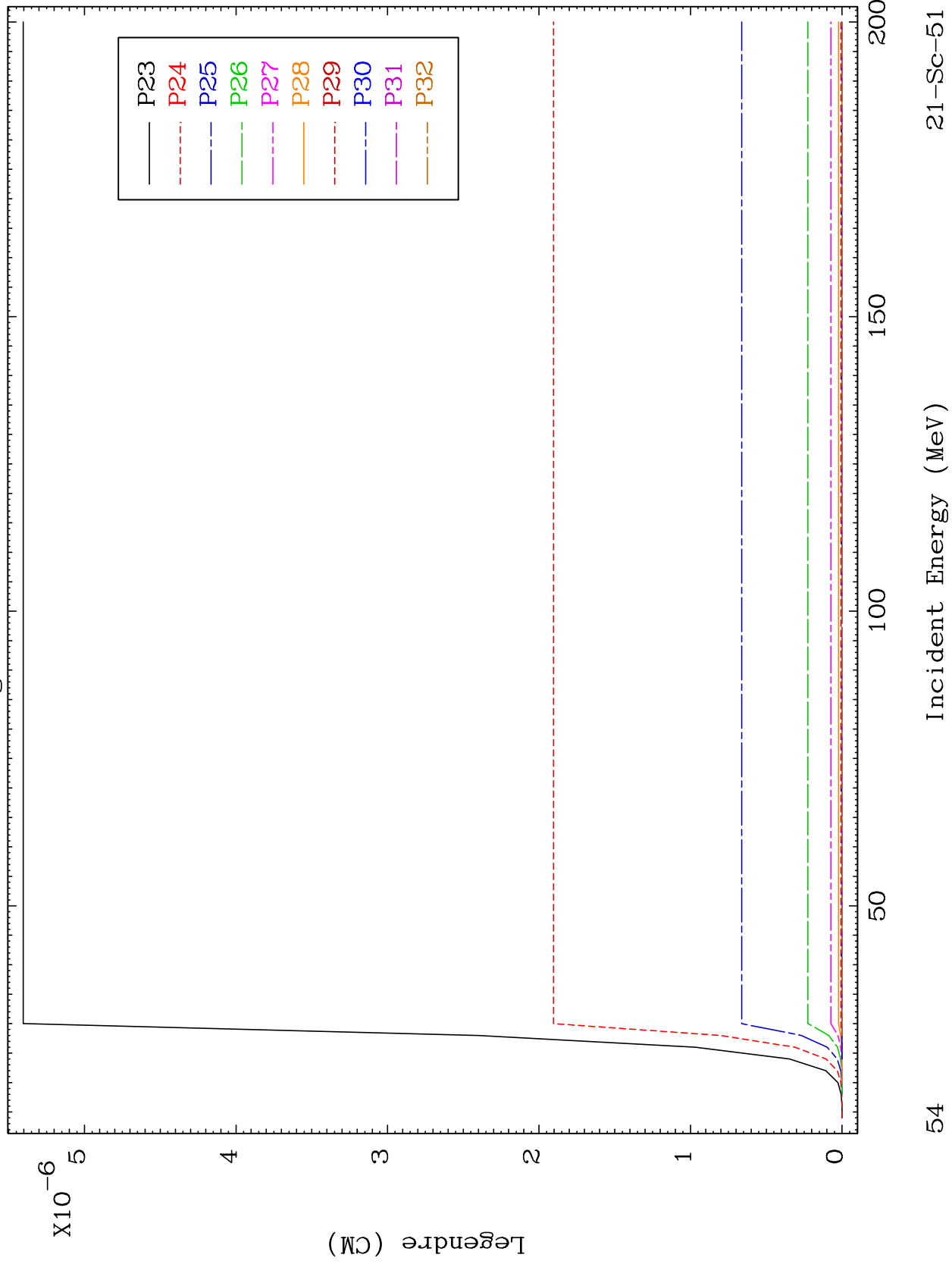
21-Sc-51



MAT 2143

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

21-Sc-51



54

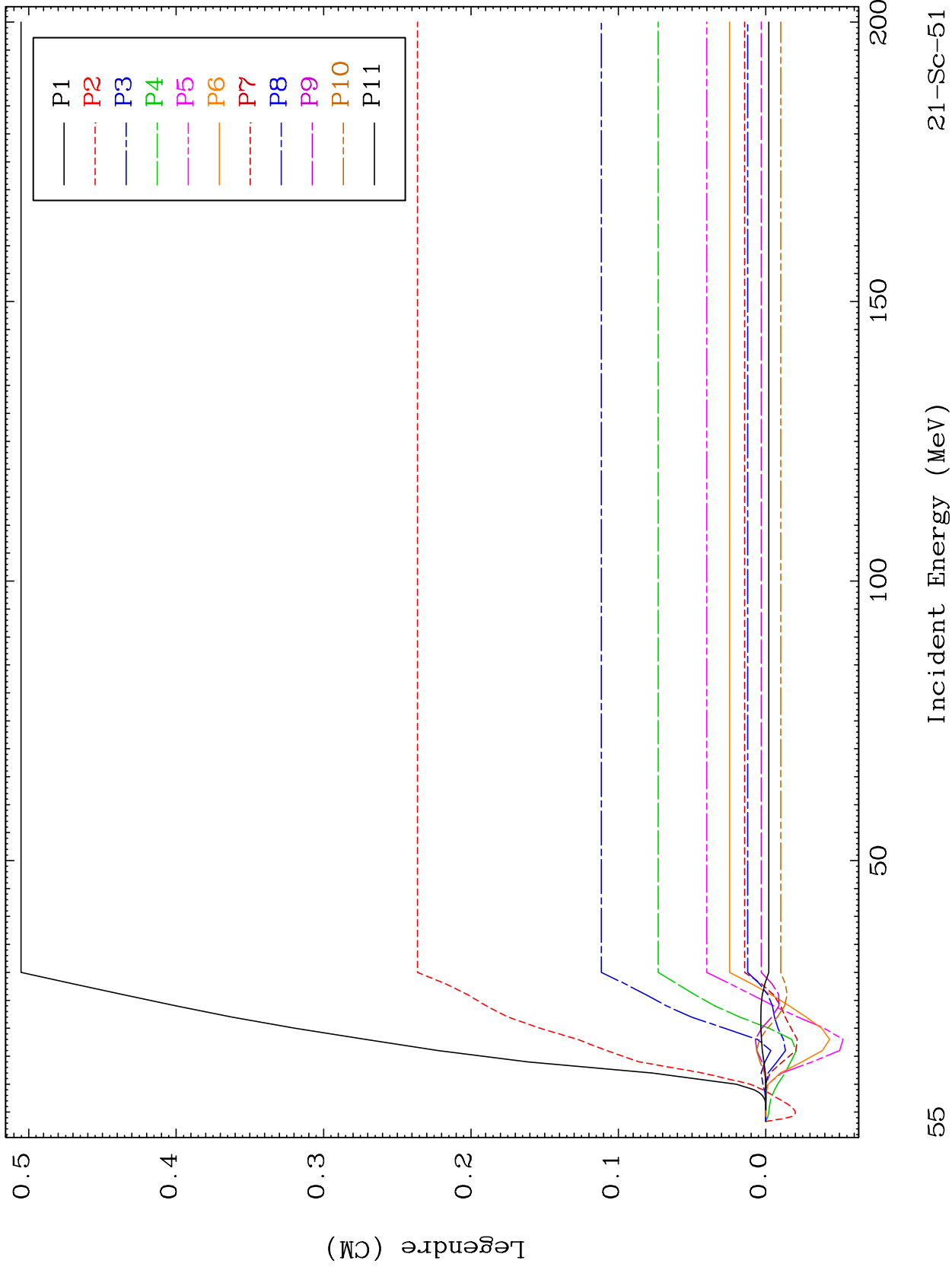
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



55

Incident Energy (MeV)

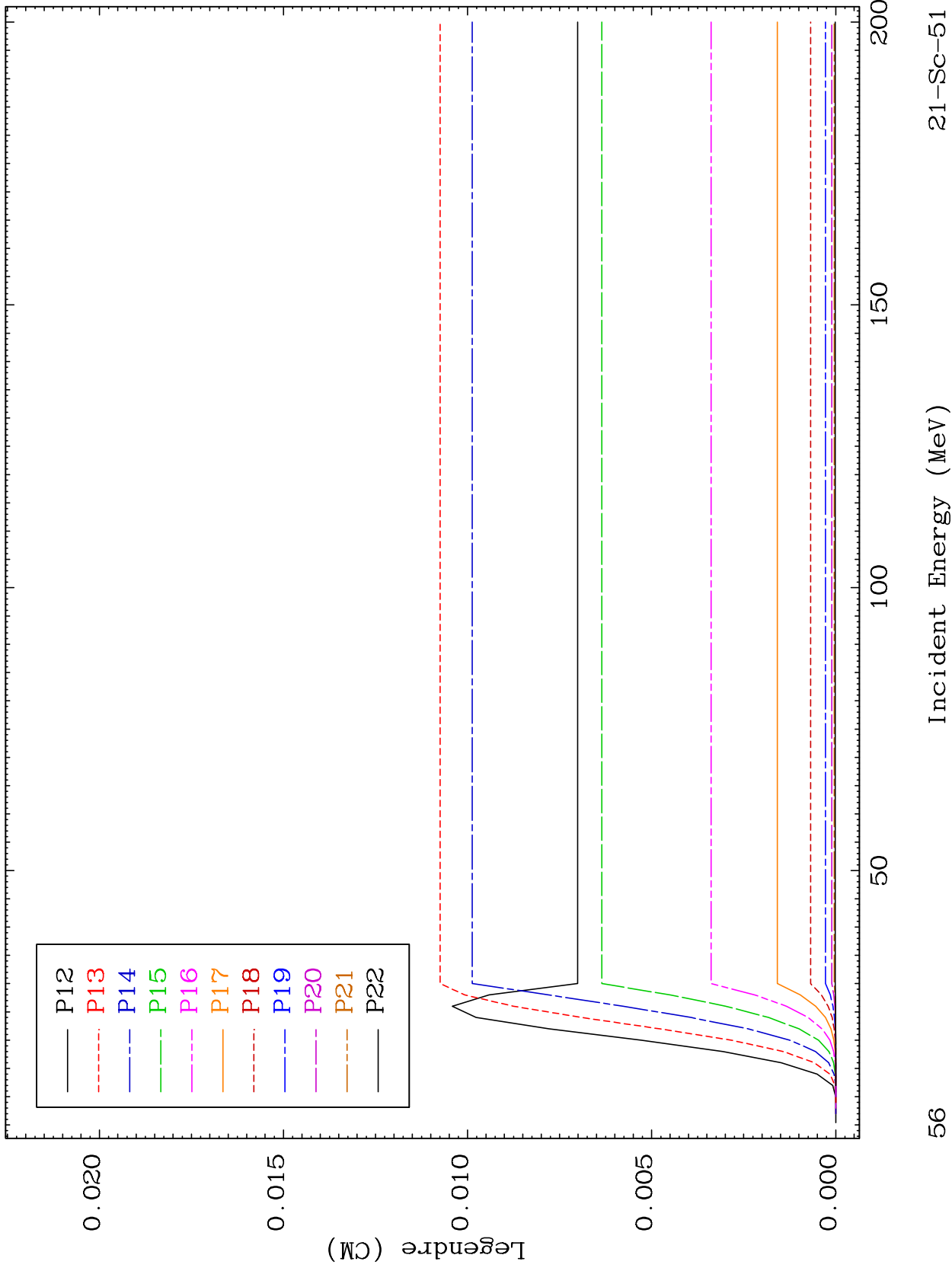
21-Sc-51



MAT 2143

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

21-Sc-51



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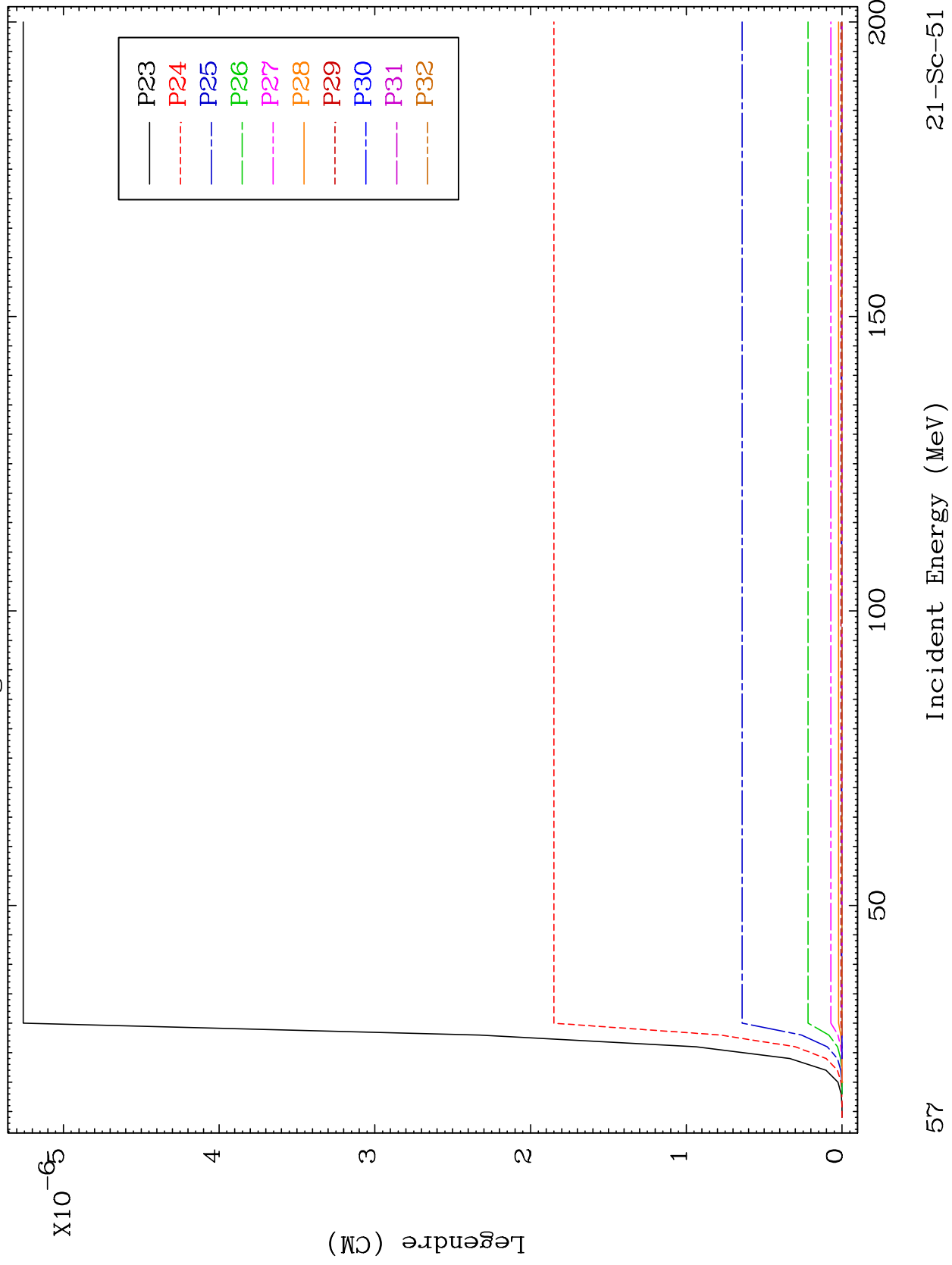
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

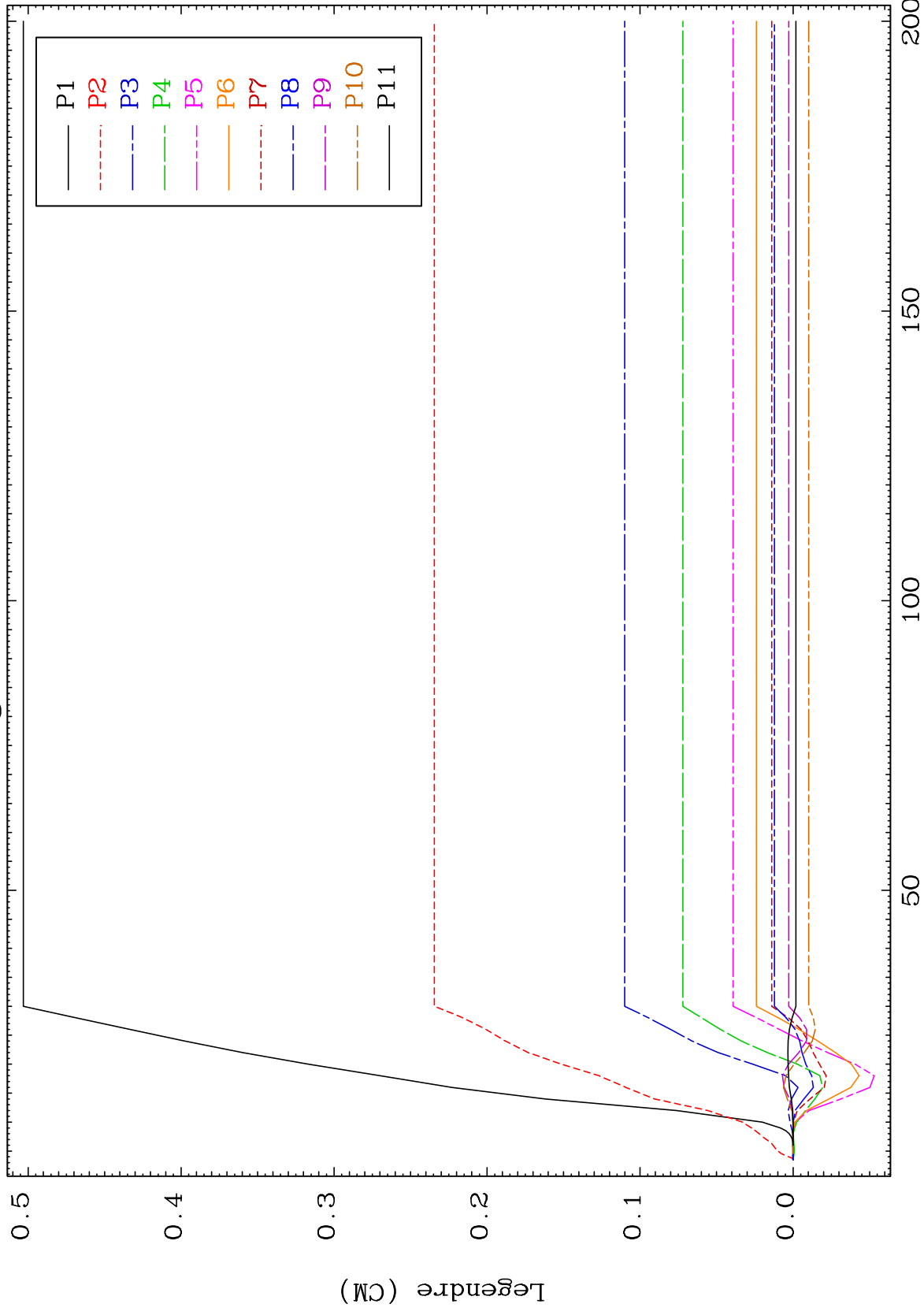


MAT 2143

MT= 64 (n,n') Level

21-Sc-51

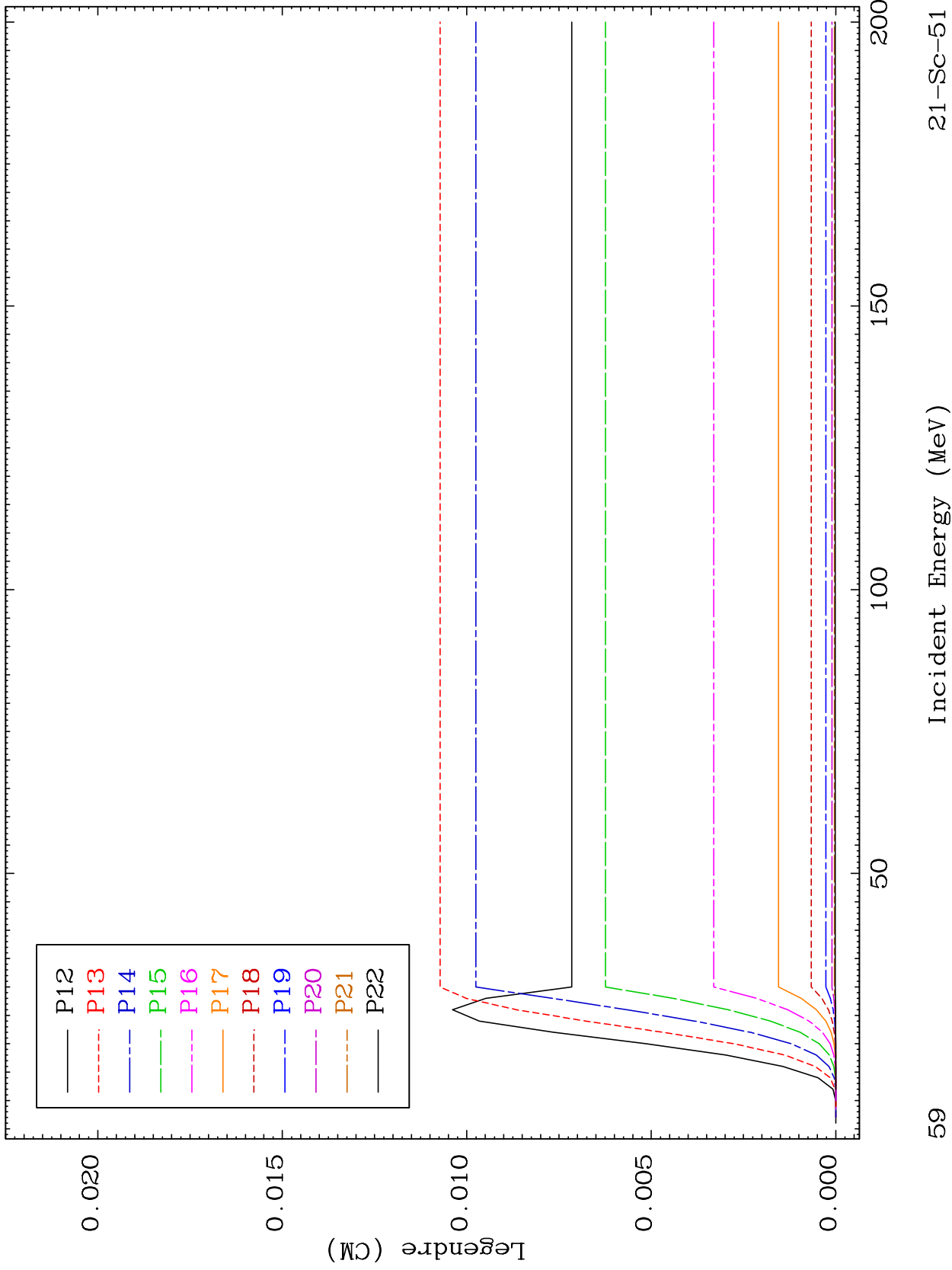
Legendre Coefficients



58

Incident Energy (MeV)

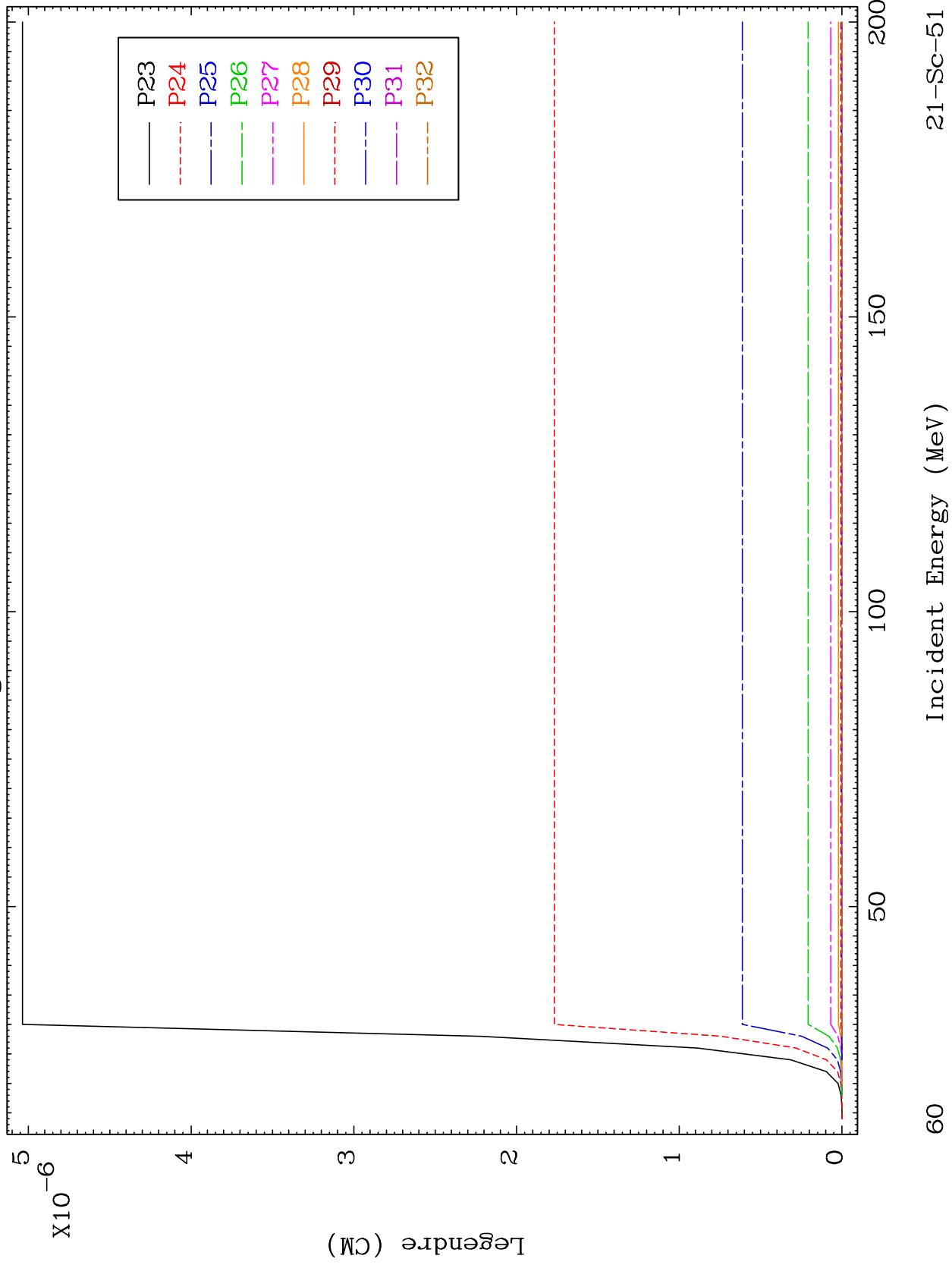
21-Sc-51



MAT 2143

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

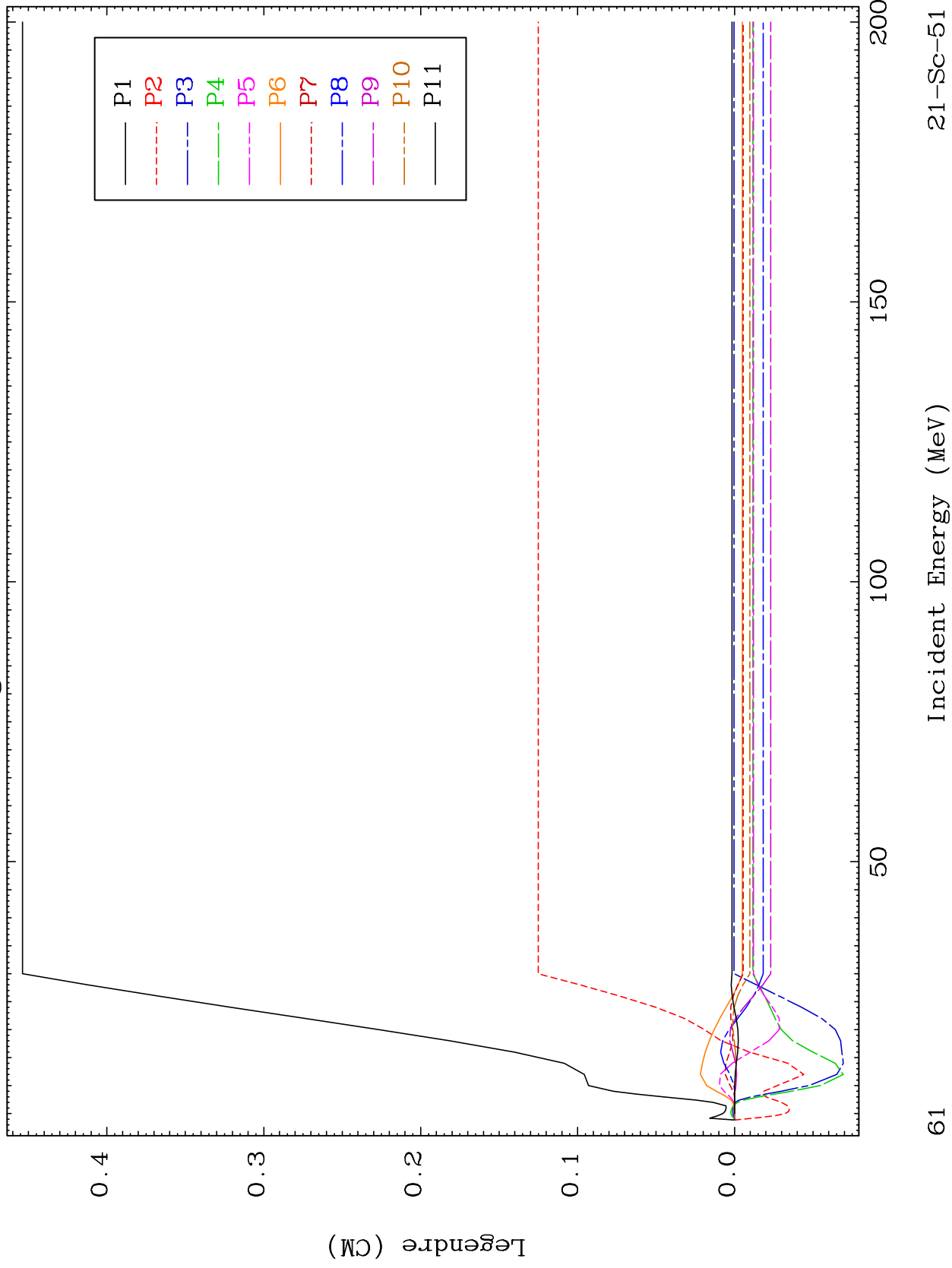
21-Sc-51



MAT 2143

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

21-Sc-51



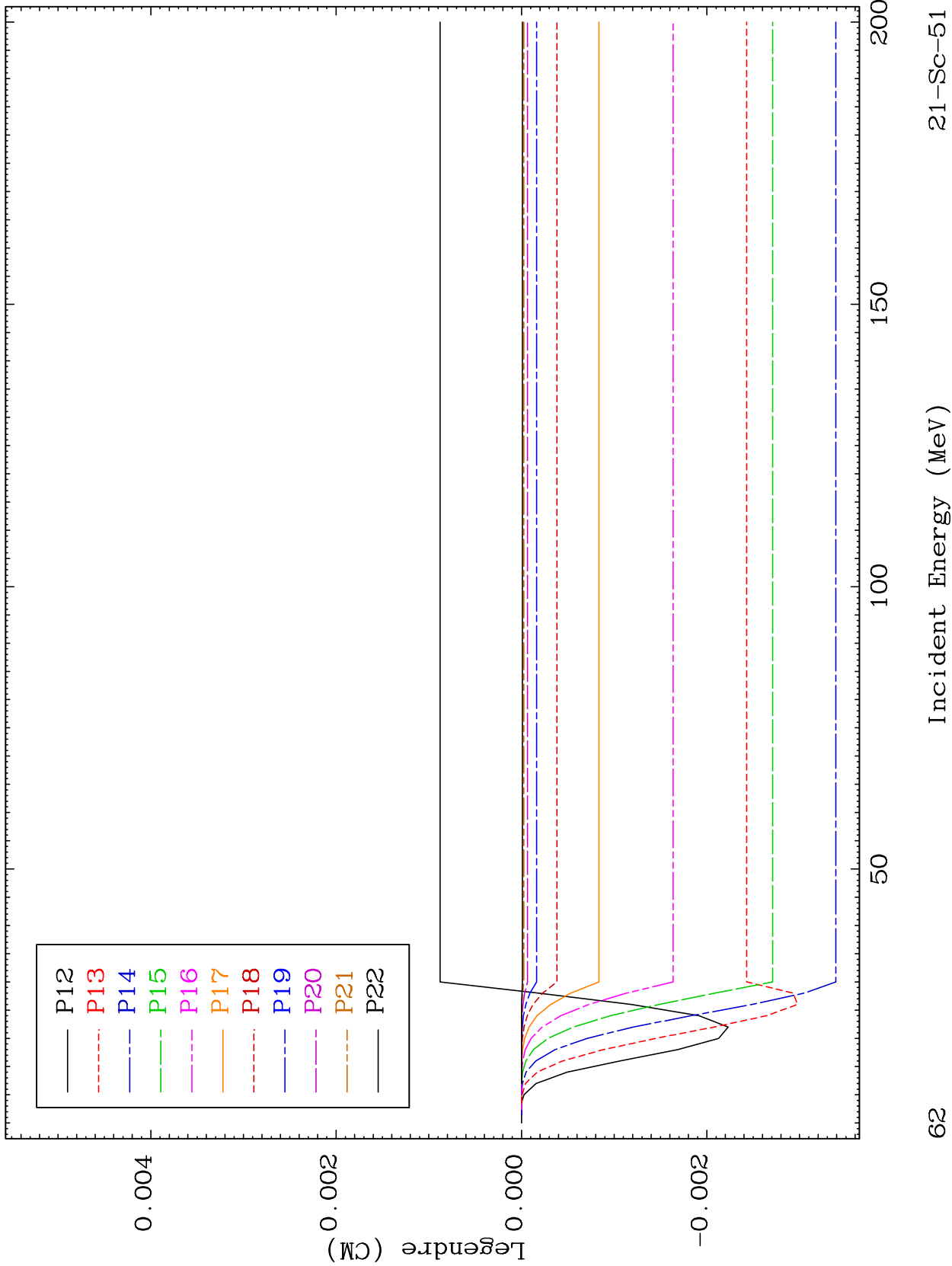
61

21-Sc-51

MAT 2143

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

21-Sc-51



62

Incident Energy (MeV)

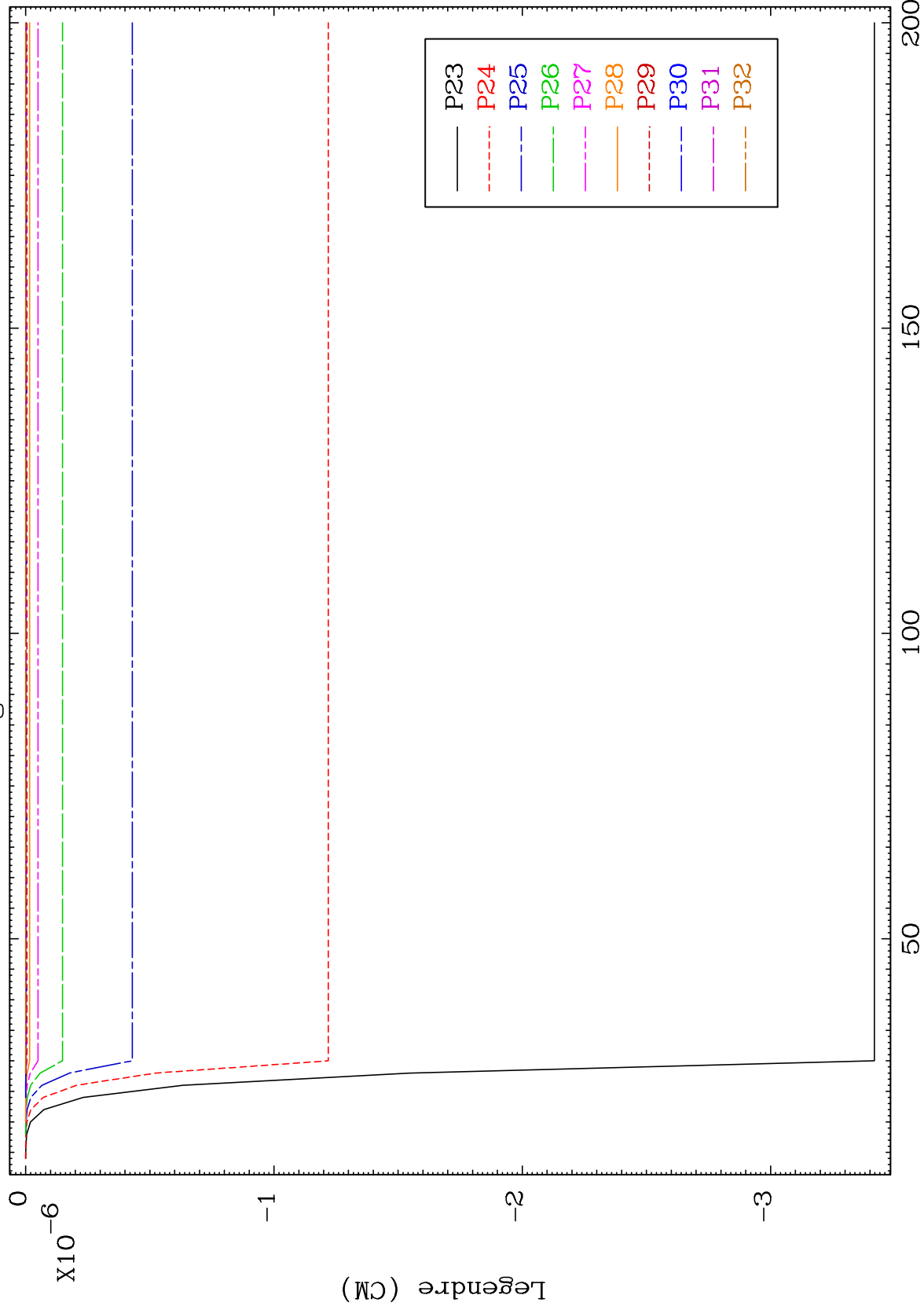
21-Sc-51

MAT 2143

MT= 65 (n,n') Level

21-Sc-51

Legendre Coefficients



63

Incident Energy (MeV)

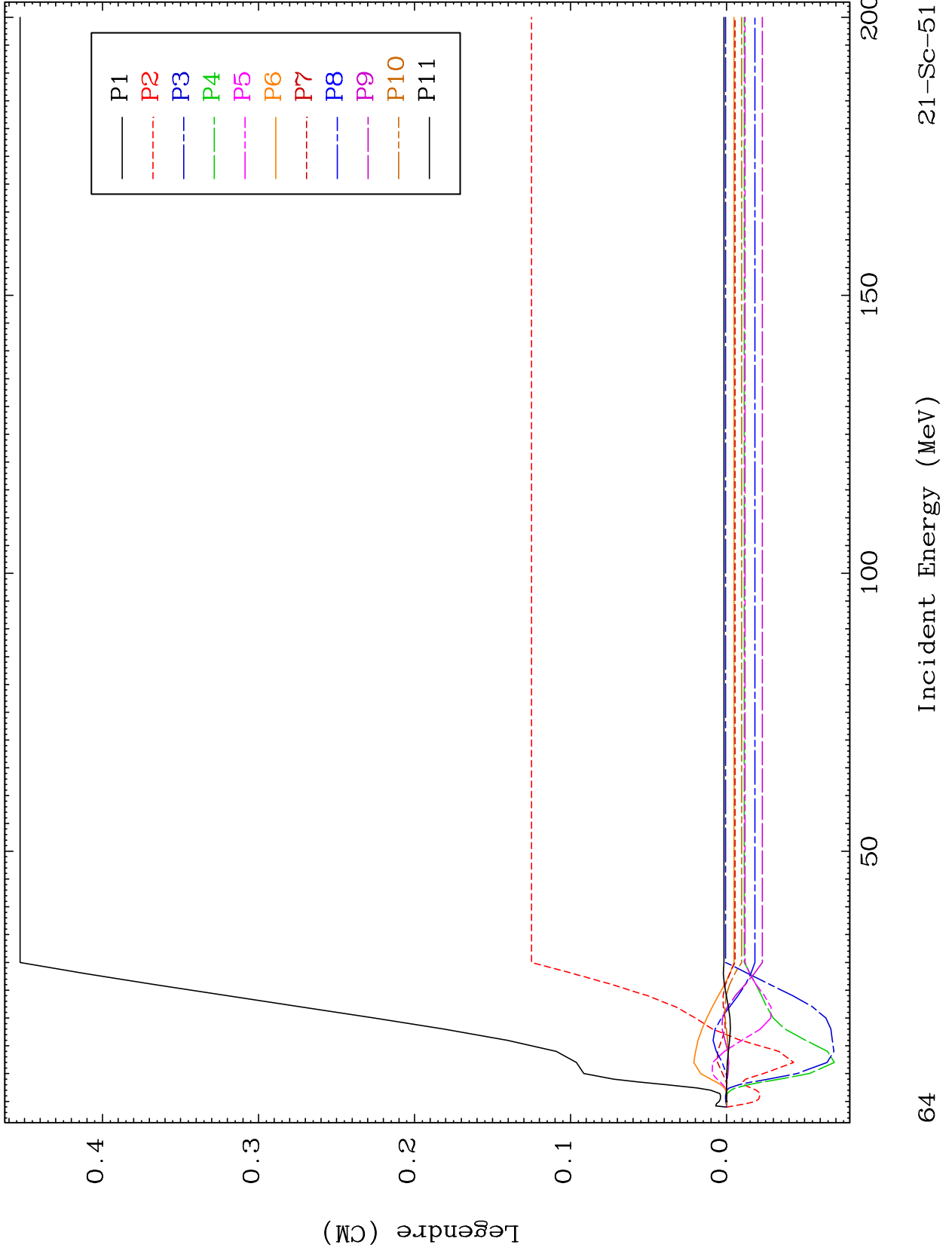
21-Sc-51



MAT 2143

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

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64

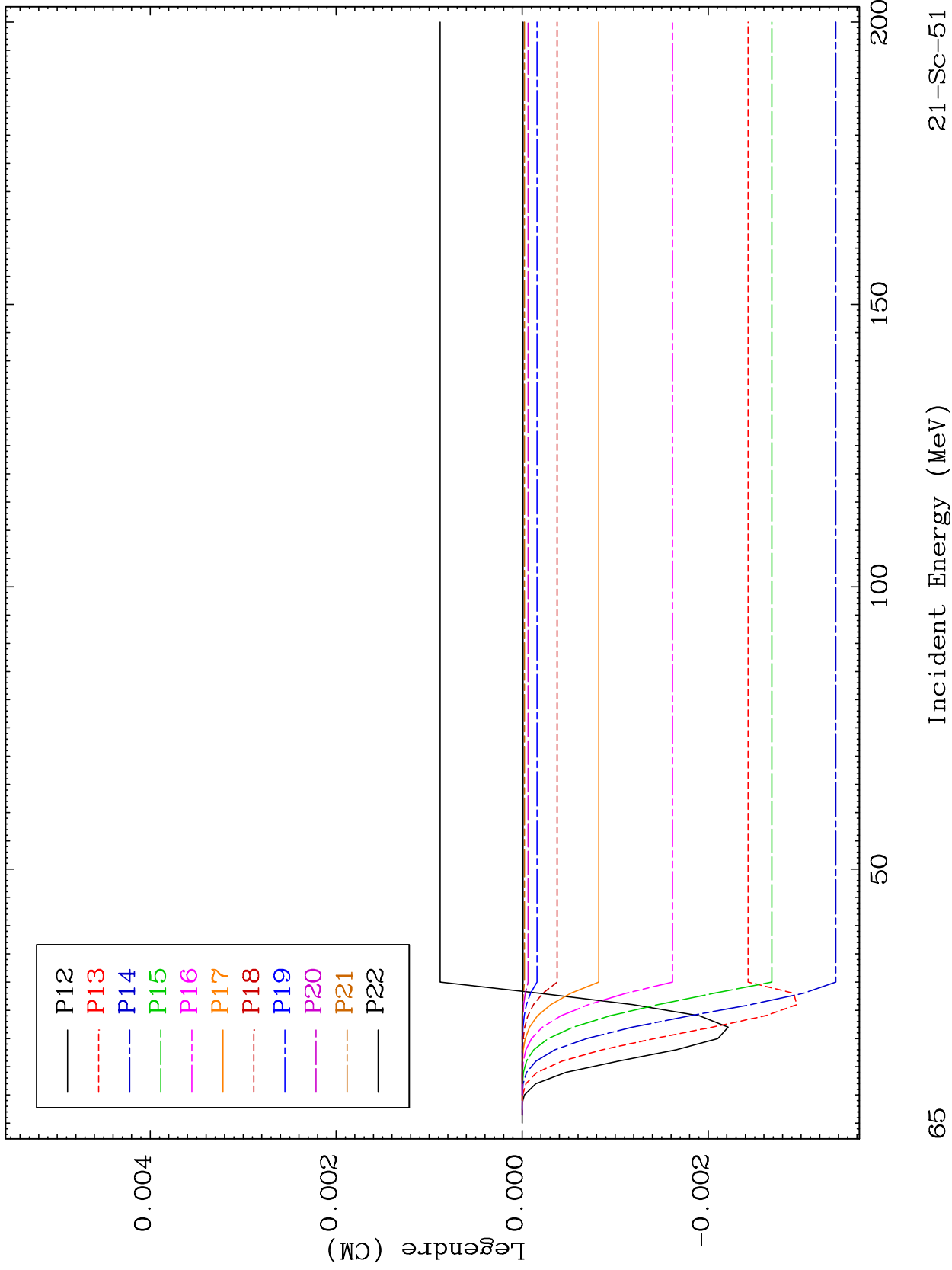
Incident Energy (MeV)

21-Sc-51

MAT 2143

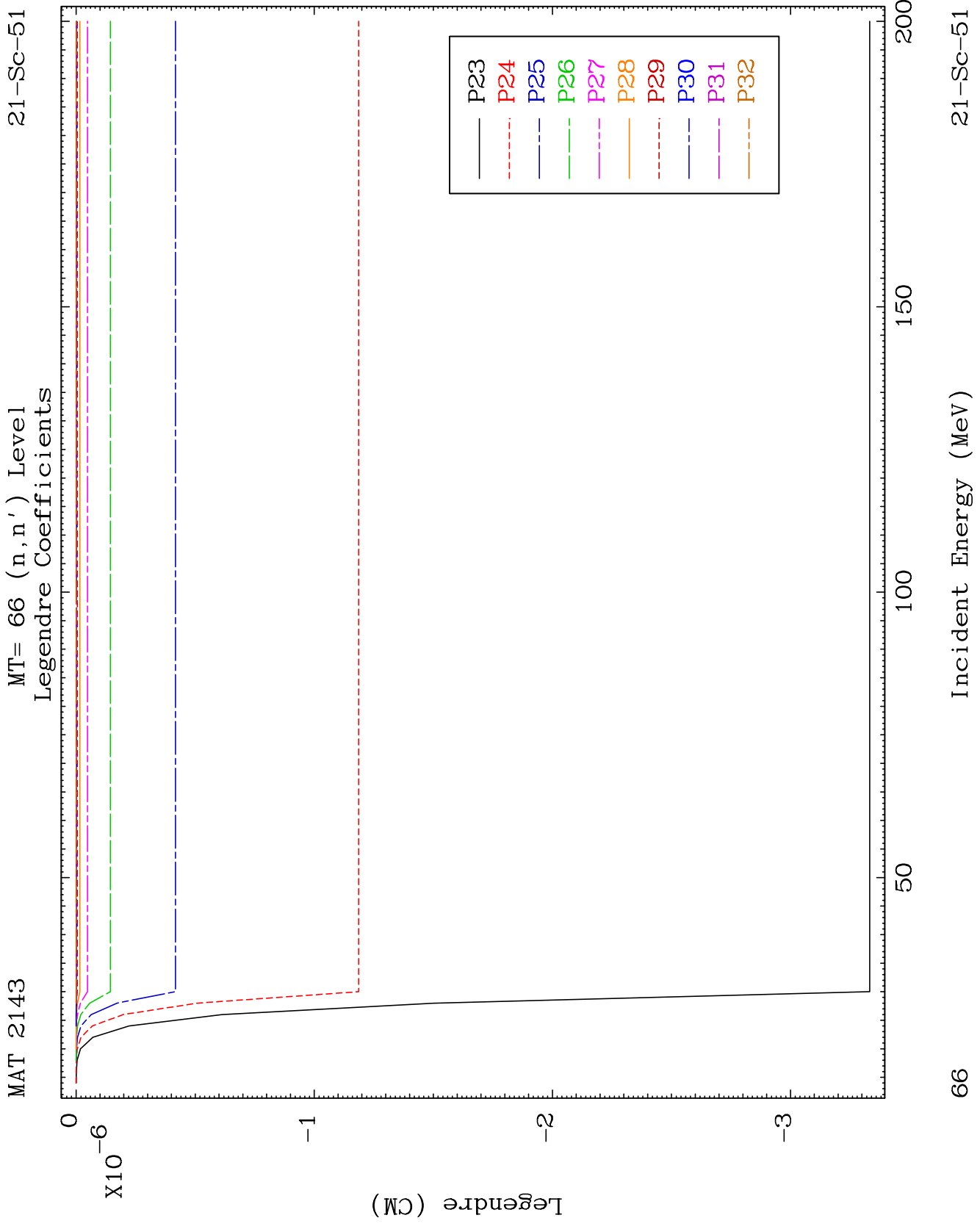
MT= 66 (n,n') Level  
Legendre Coefficients

21-Sc-51



65

21-Sc-51

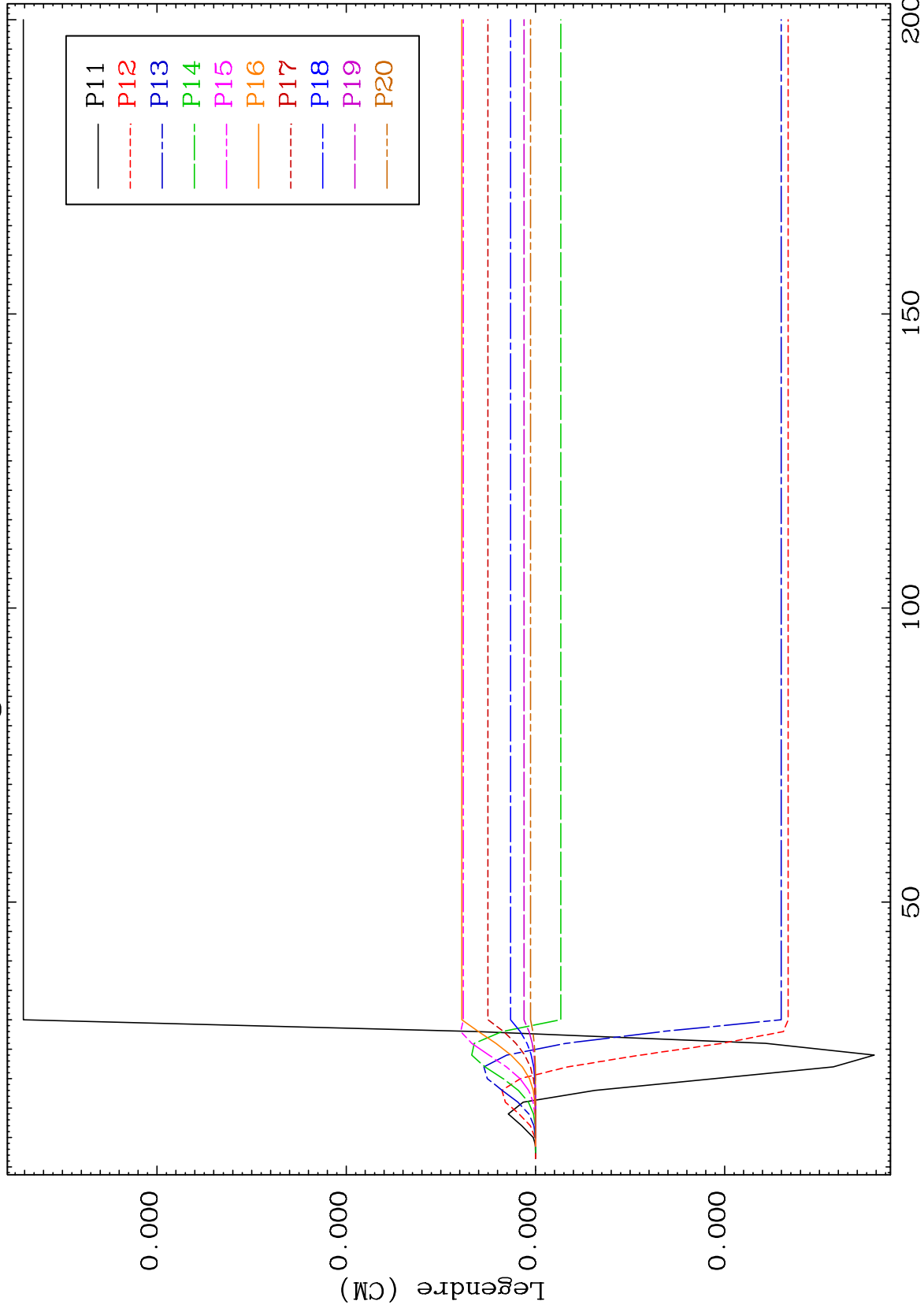




MAT 2143

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

21-Sc-51



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Incident Energy (MeV)

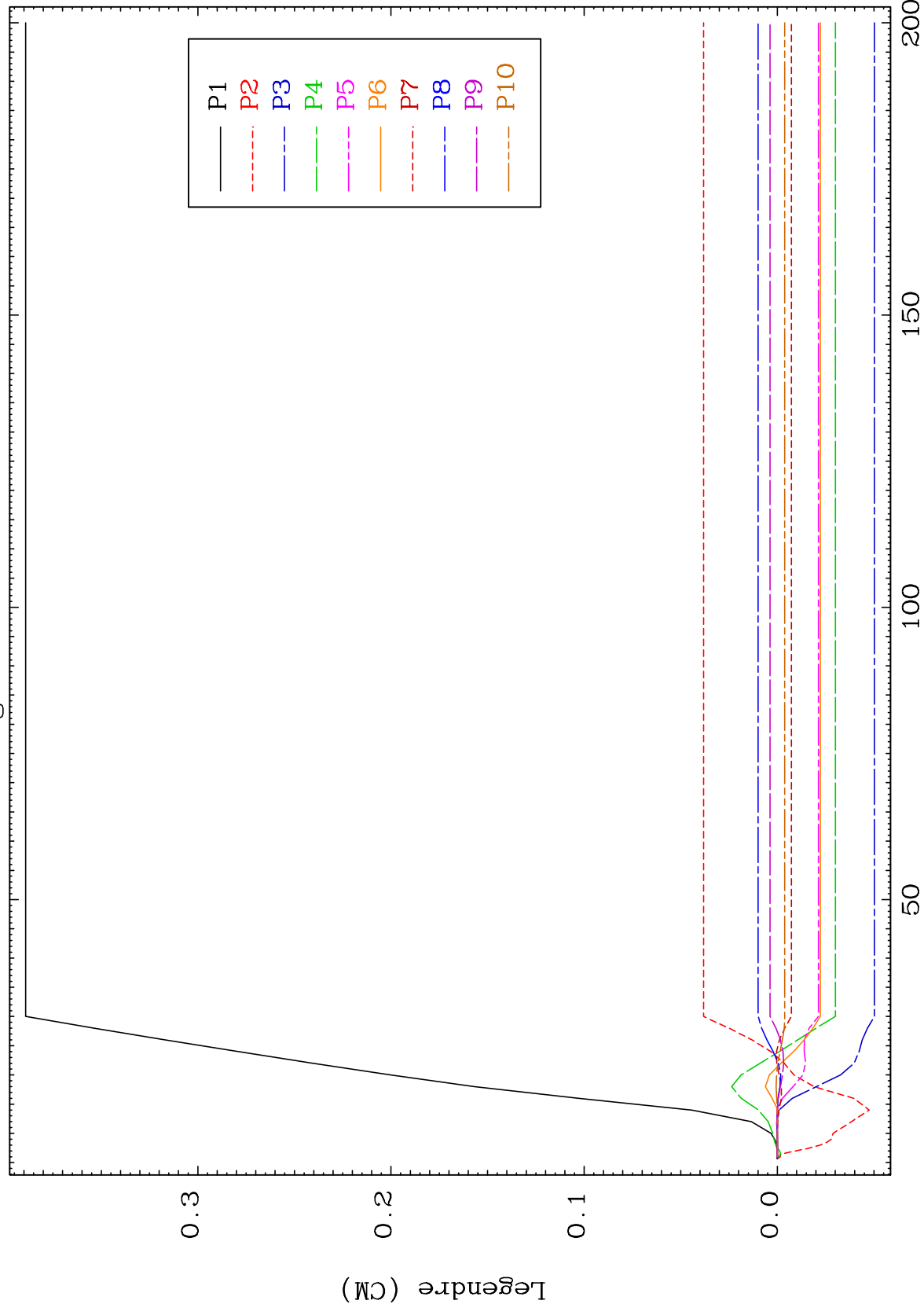
21-Sc-51



MAT 2143

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

21-Sc-51



70

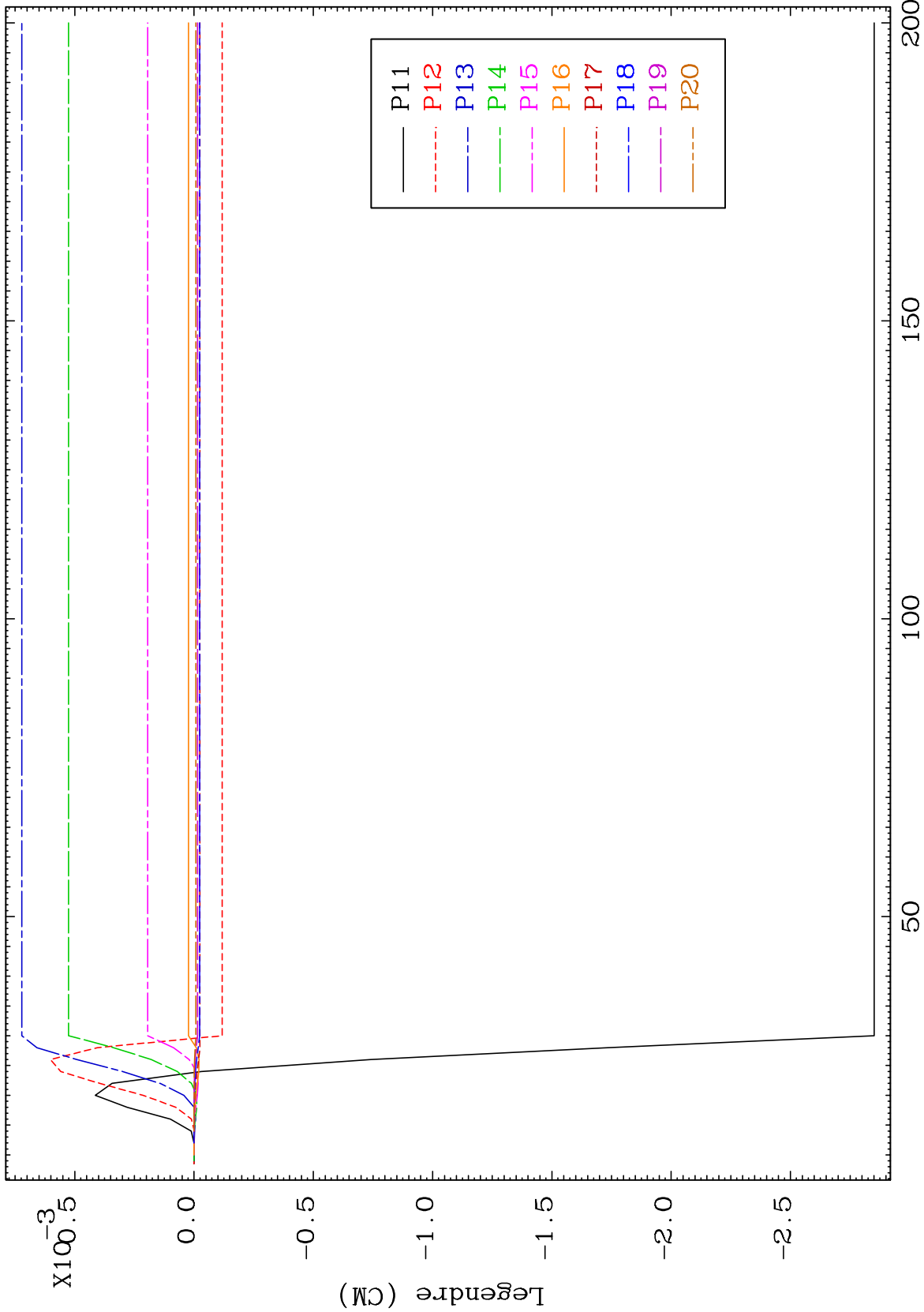
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51

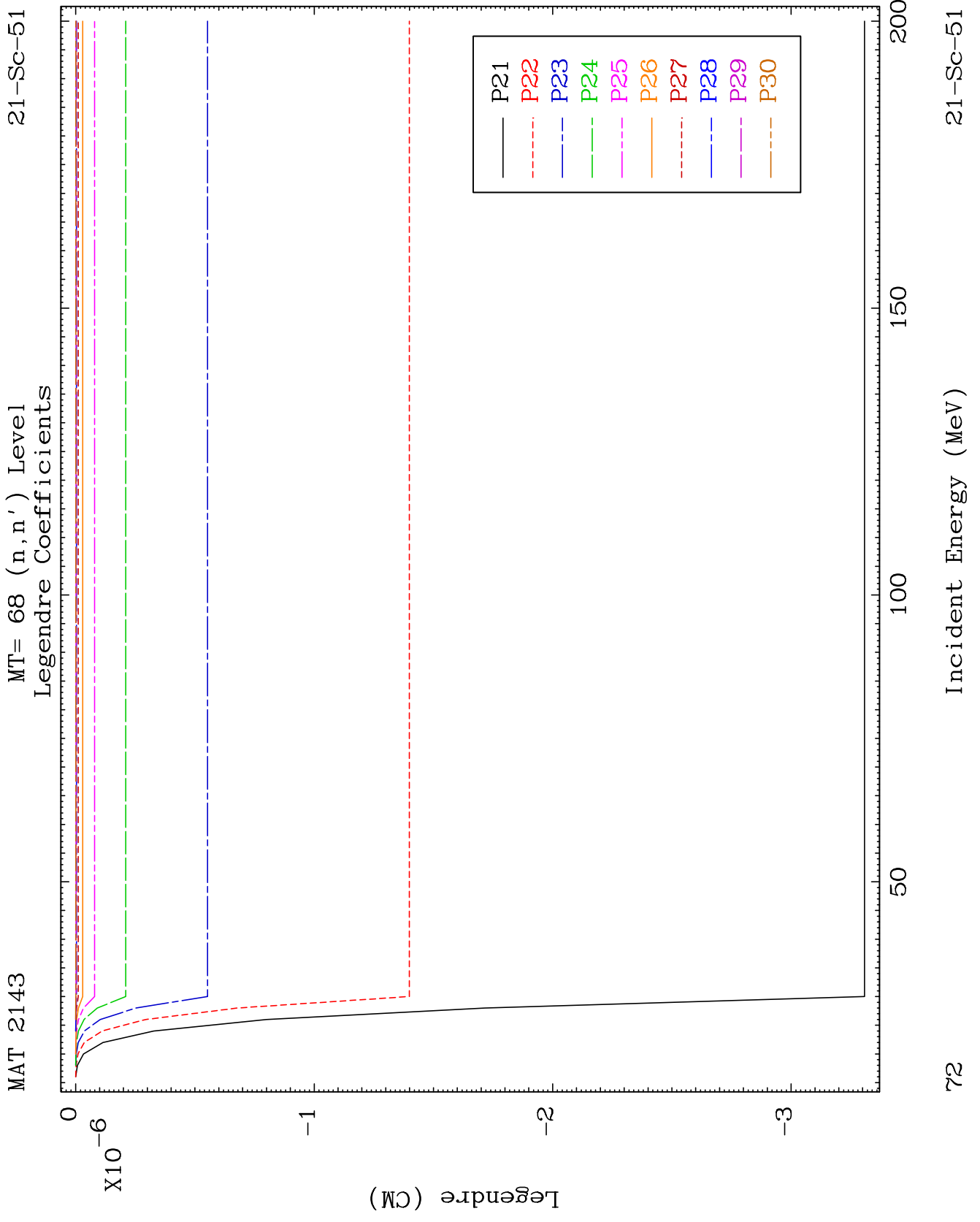


71

Incident Energy (MeV)

21-Sc-51

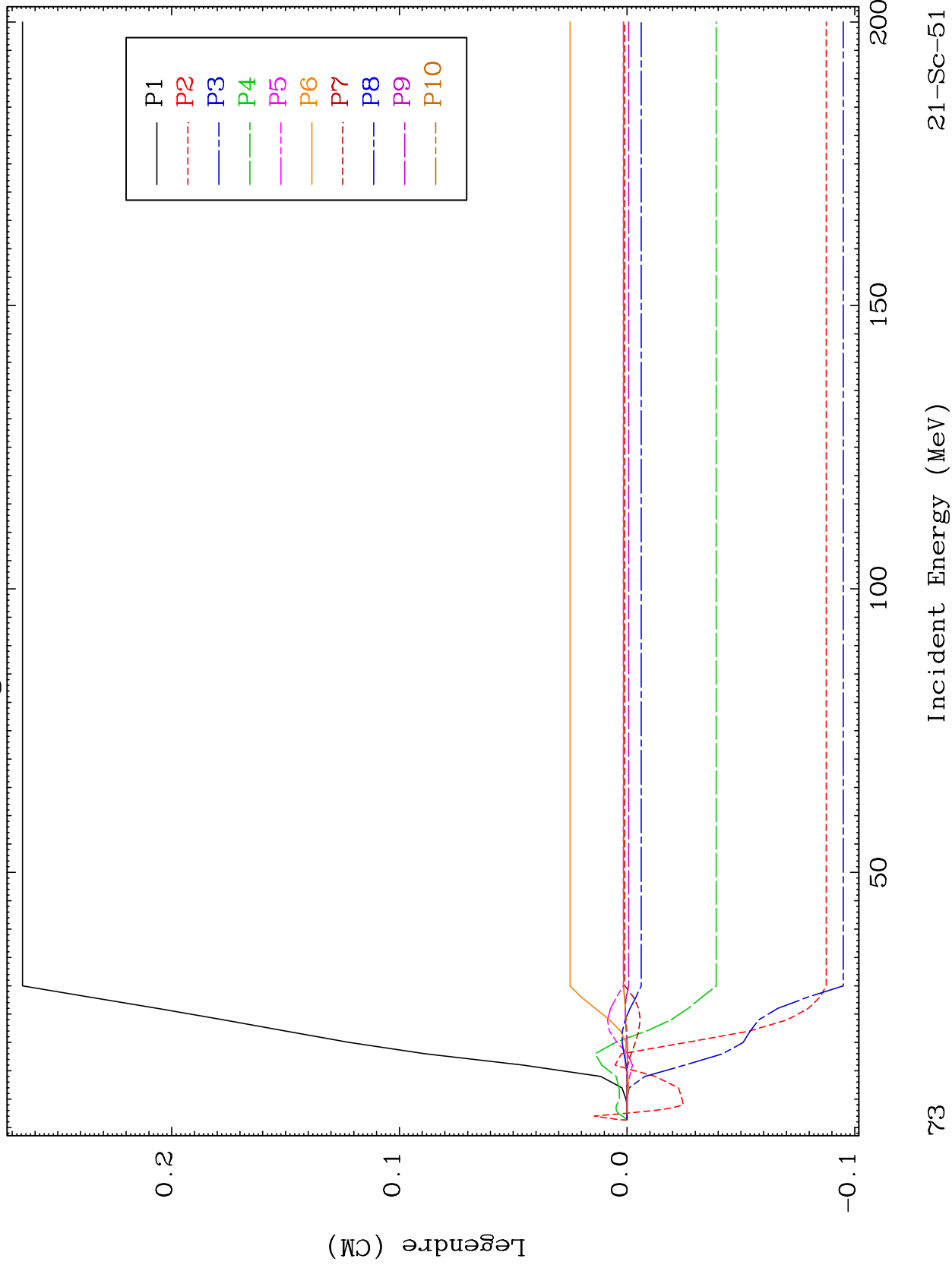




MAT 2143

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

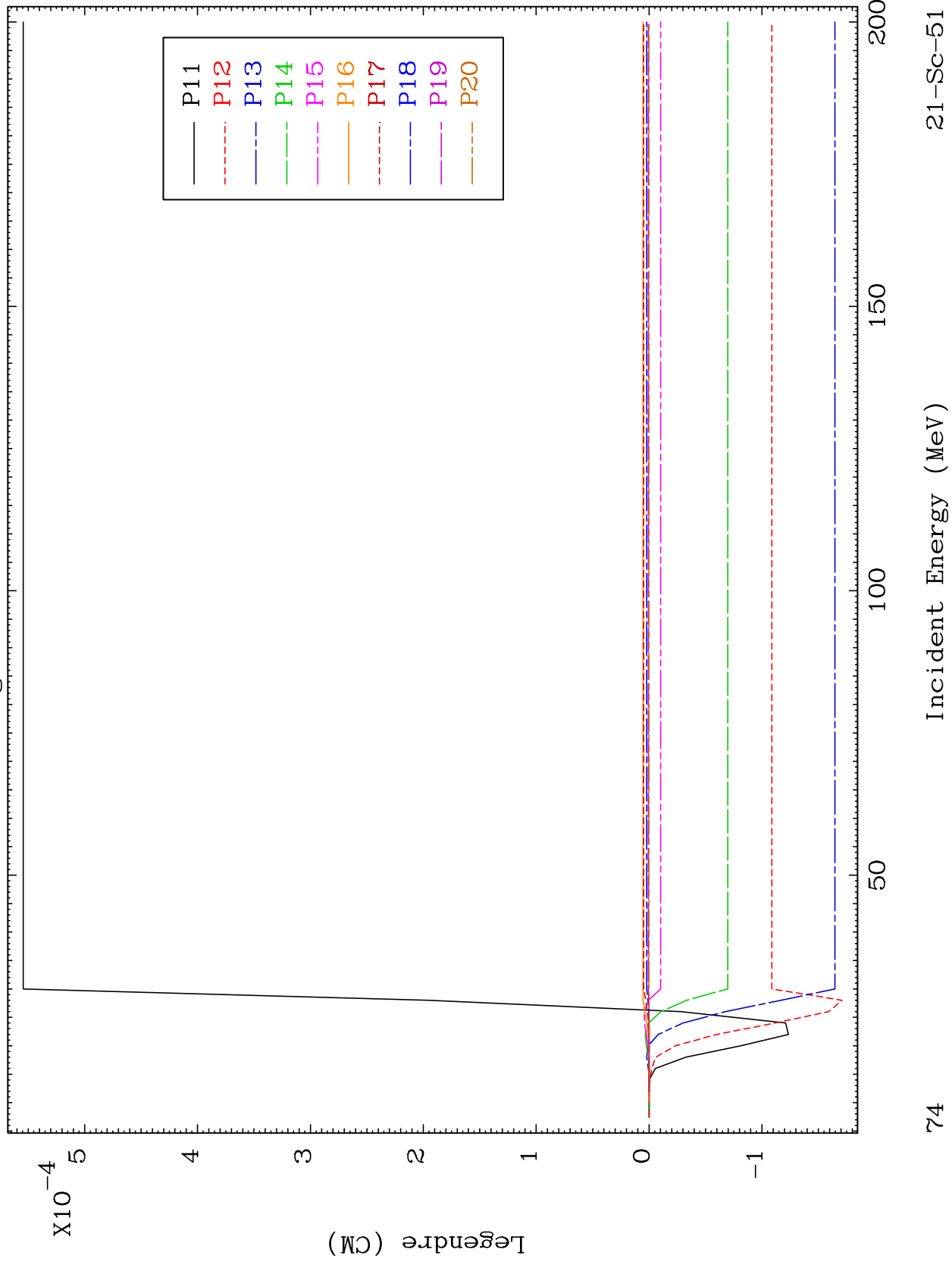
21-Sc-51



MAT 2143

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

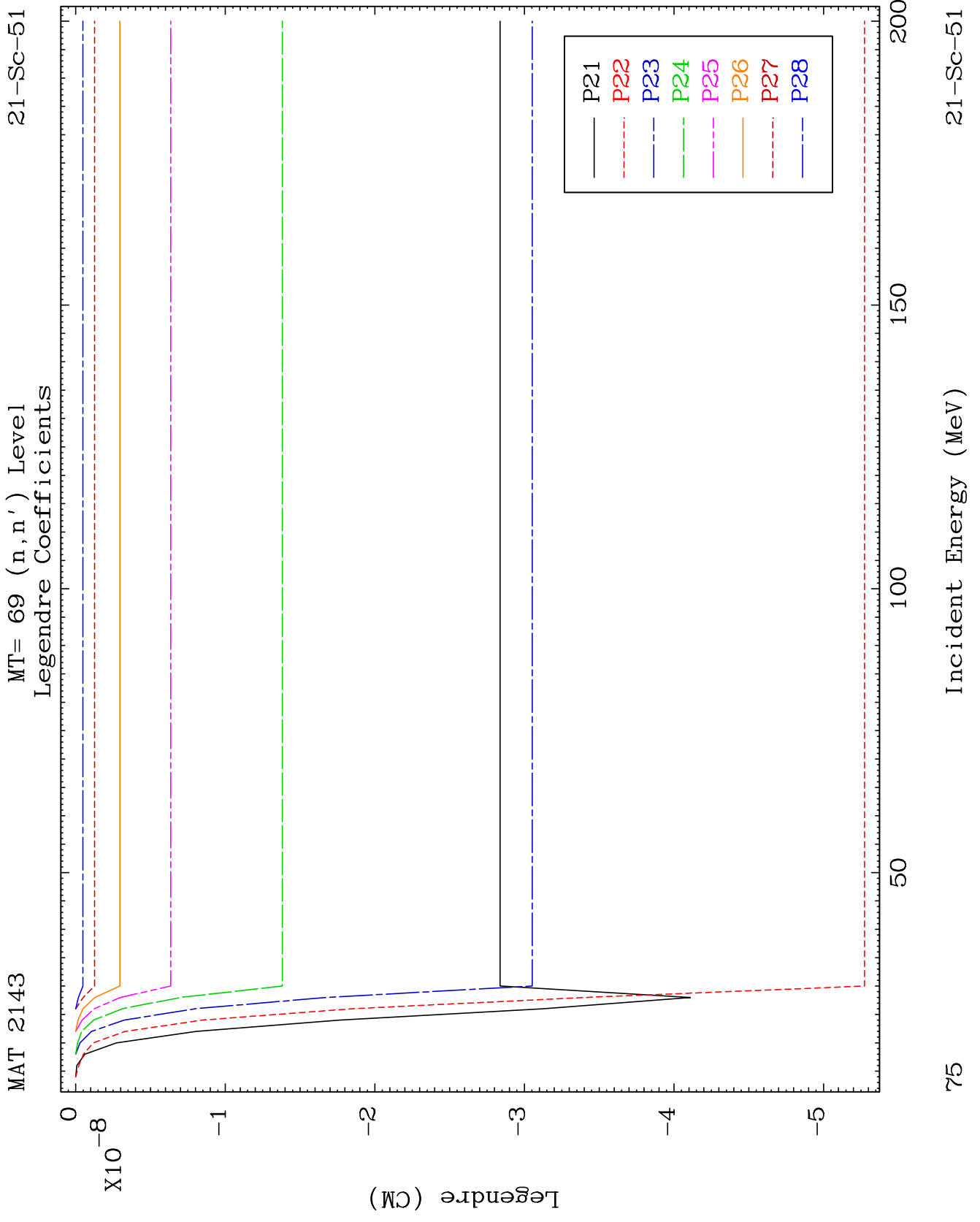
21-Sc-51



74

Incident Energy (MeV)

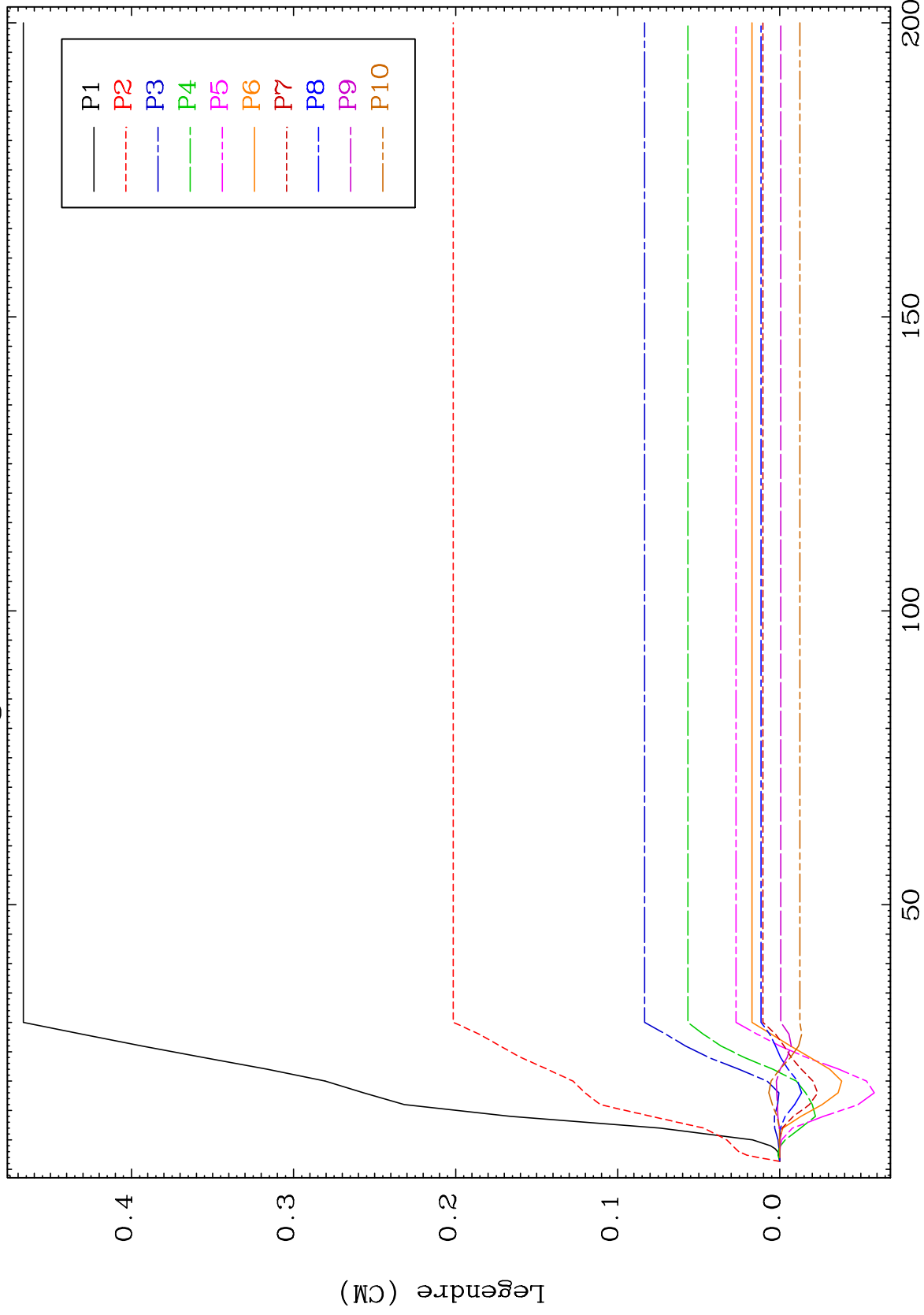
21-Sc-51



MAT 2143

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

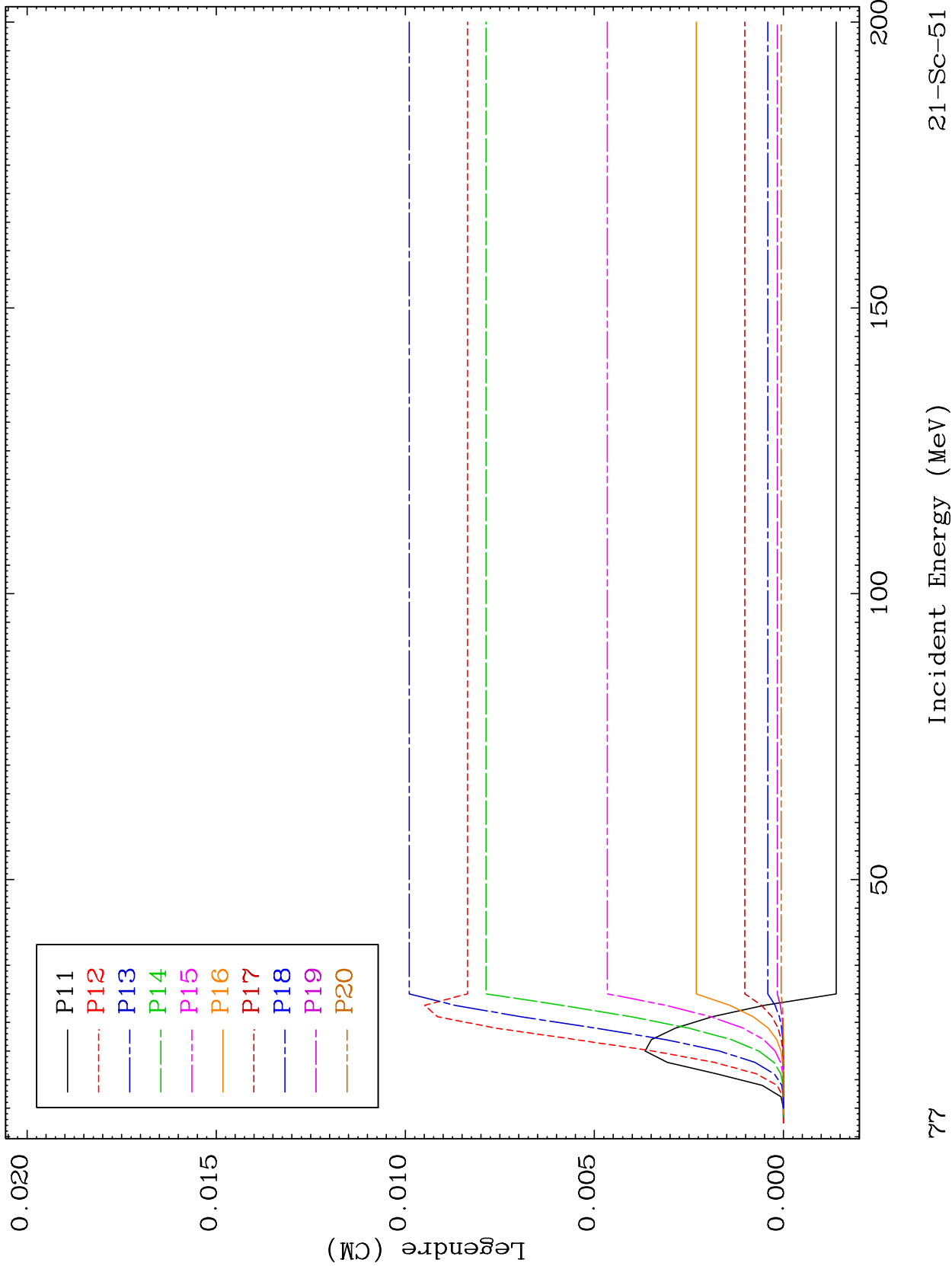
21-Sc-51



76

Incident Energy (MeV)

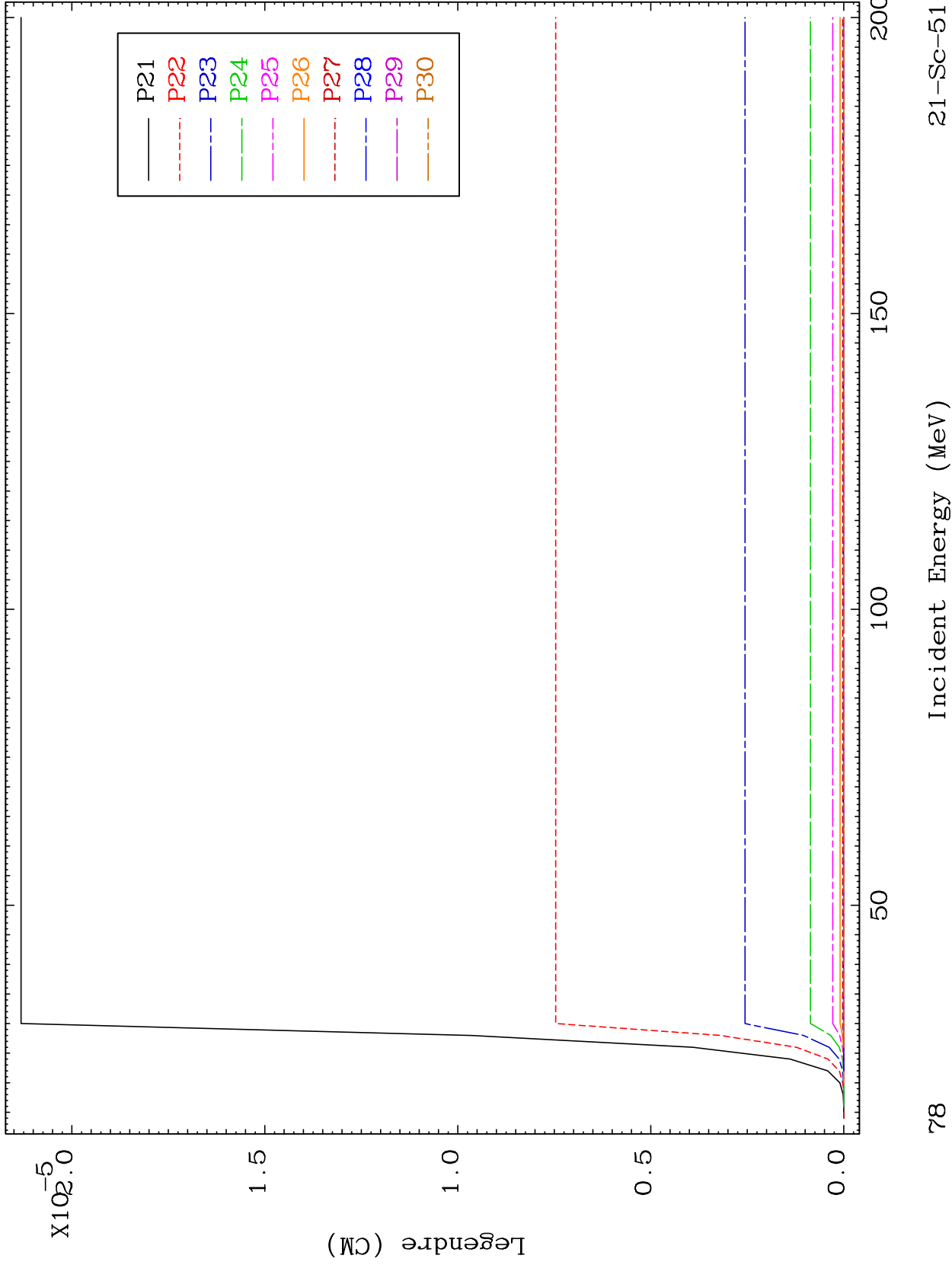
21-Sc-51



MAT 2143

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

21-Sc-51



78

21-Sc-51

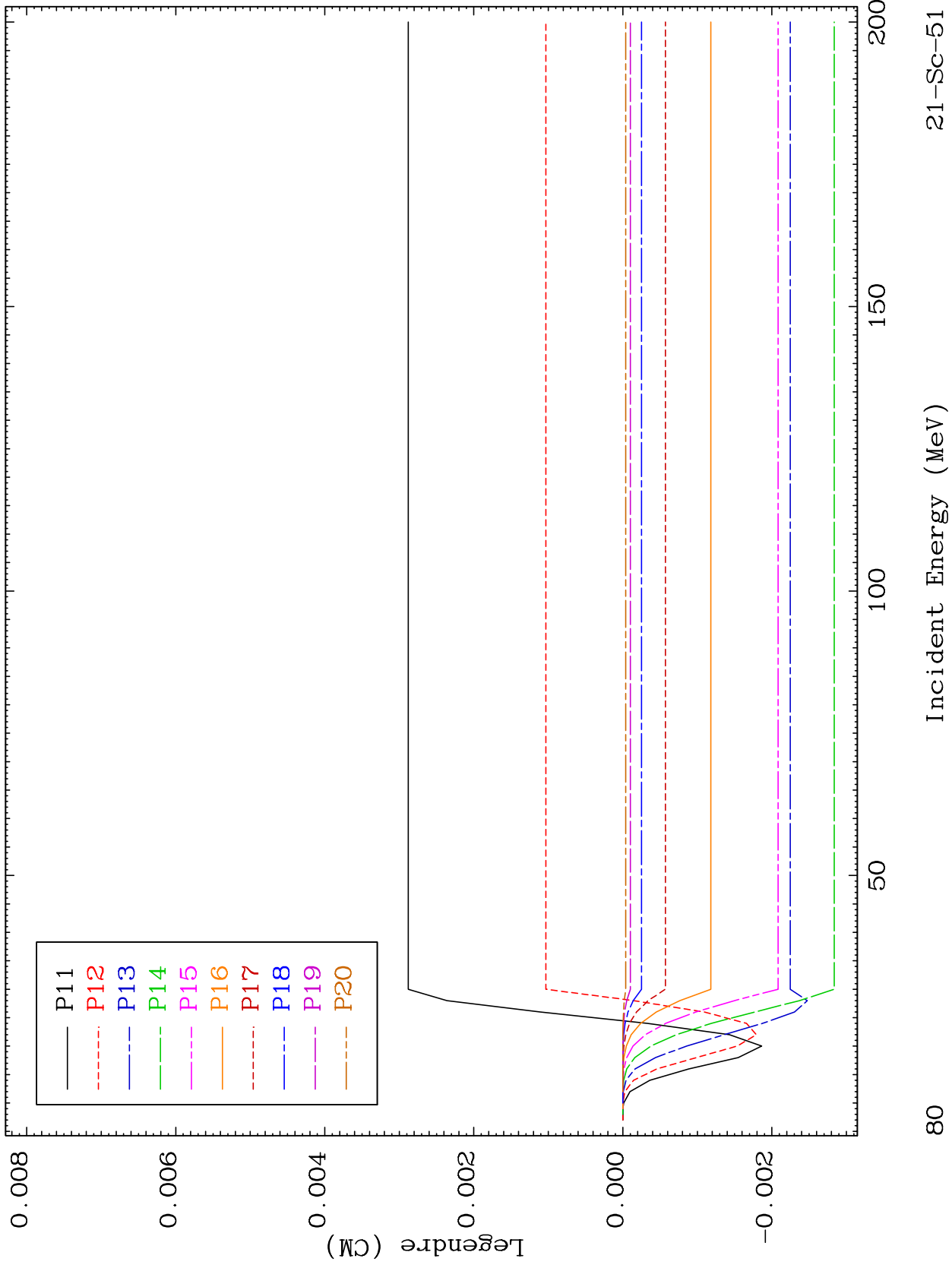




MAT 2143

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

21-Sc-51



80

Incident Energy (MeV)

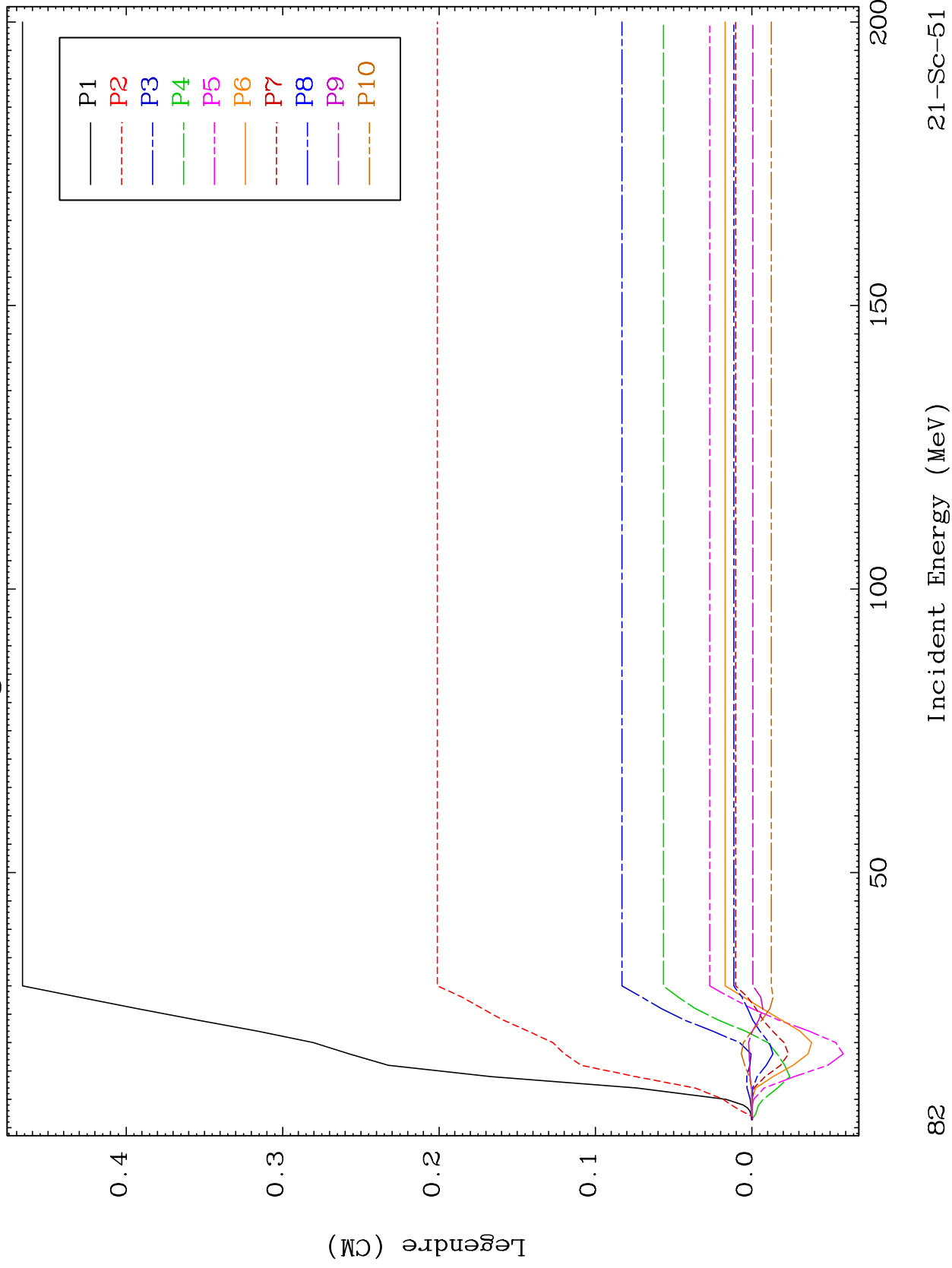
21-Sc-51



MAT 2143

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

21-Sc-51



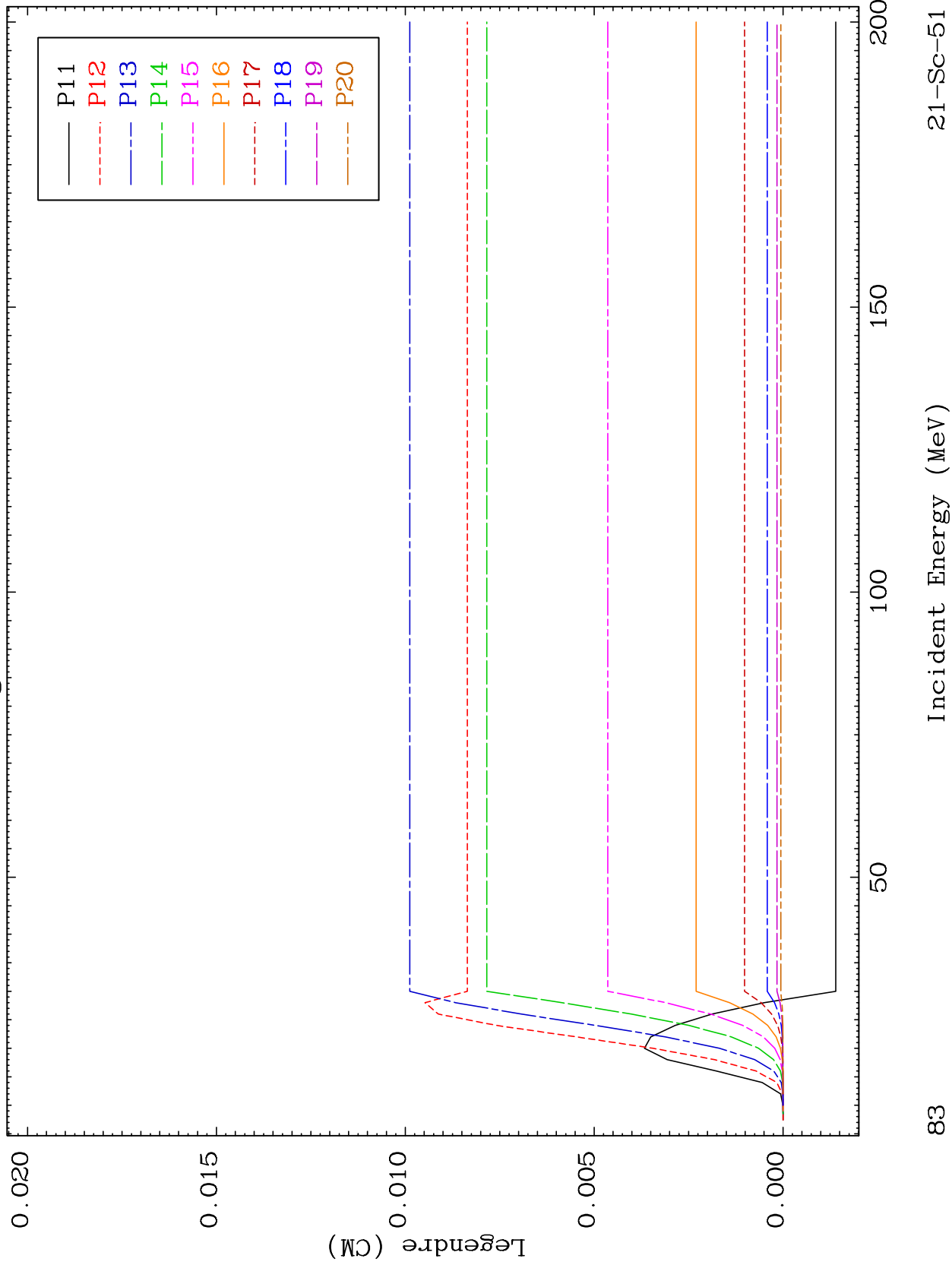
82

21-Sc-51

MAT 2143

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

21-Sc-51



83

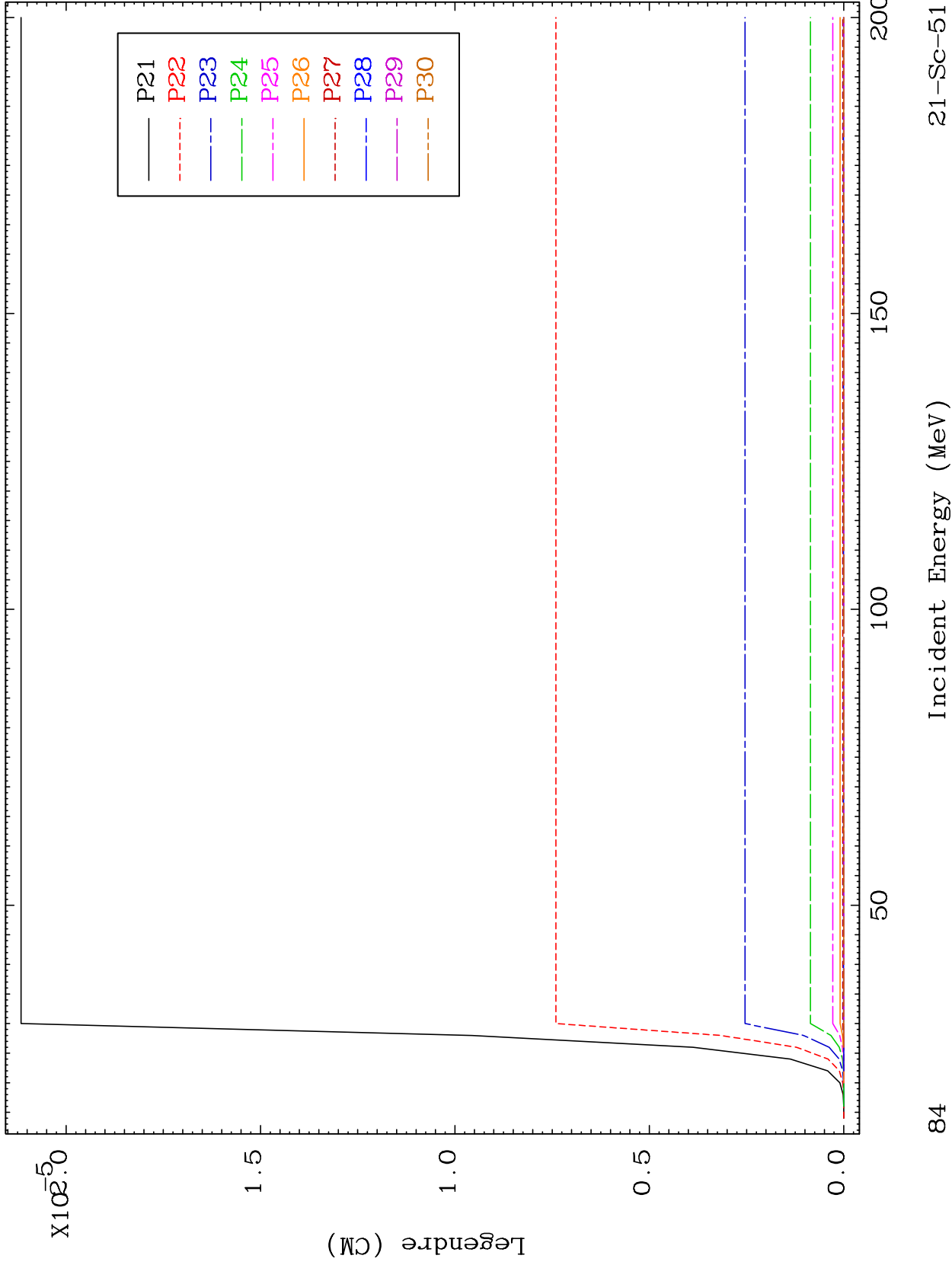
Incident Energy (MeV)

21-Sc-51

MAT 2143

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

21-Sc-51



84

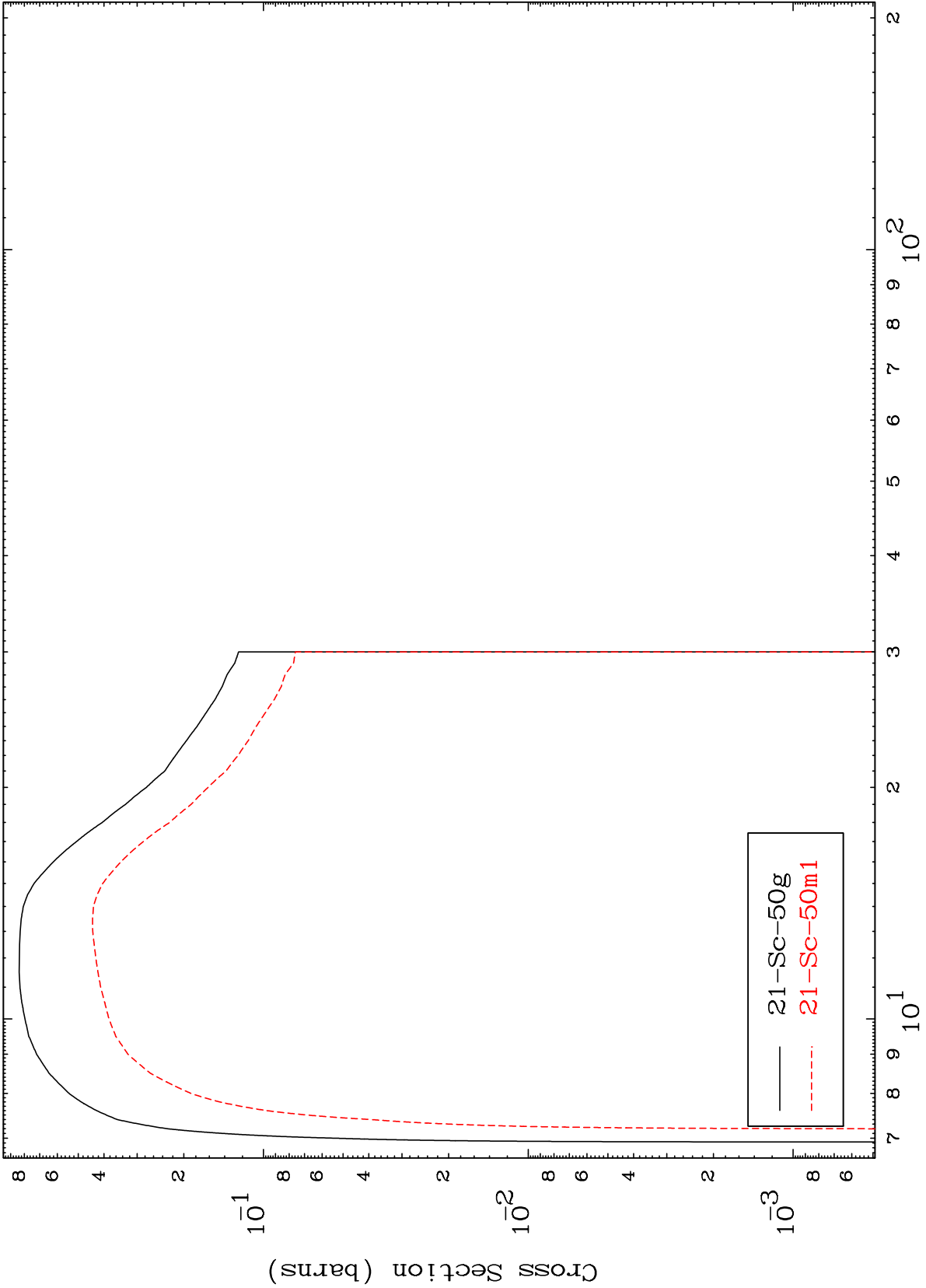
21-Sc-51

MAT 2143

(n,2n)

<sup>21</sup>Sc-51

Radionuclide Production Cross Section



85

Incident Energy (MeV)

<sup>21</sup>Sc-51