

Program EVALPLOT
(Version 2017-1)

by

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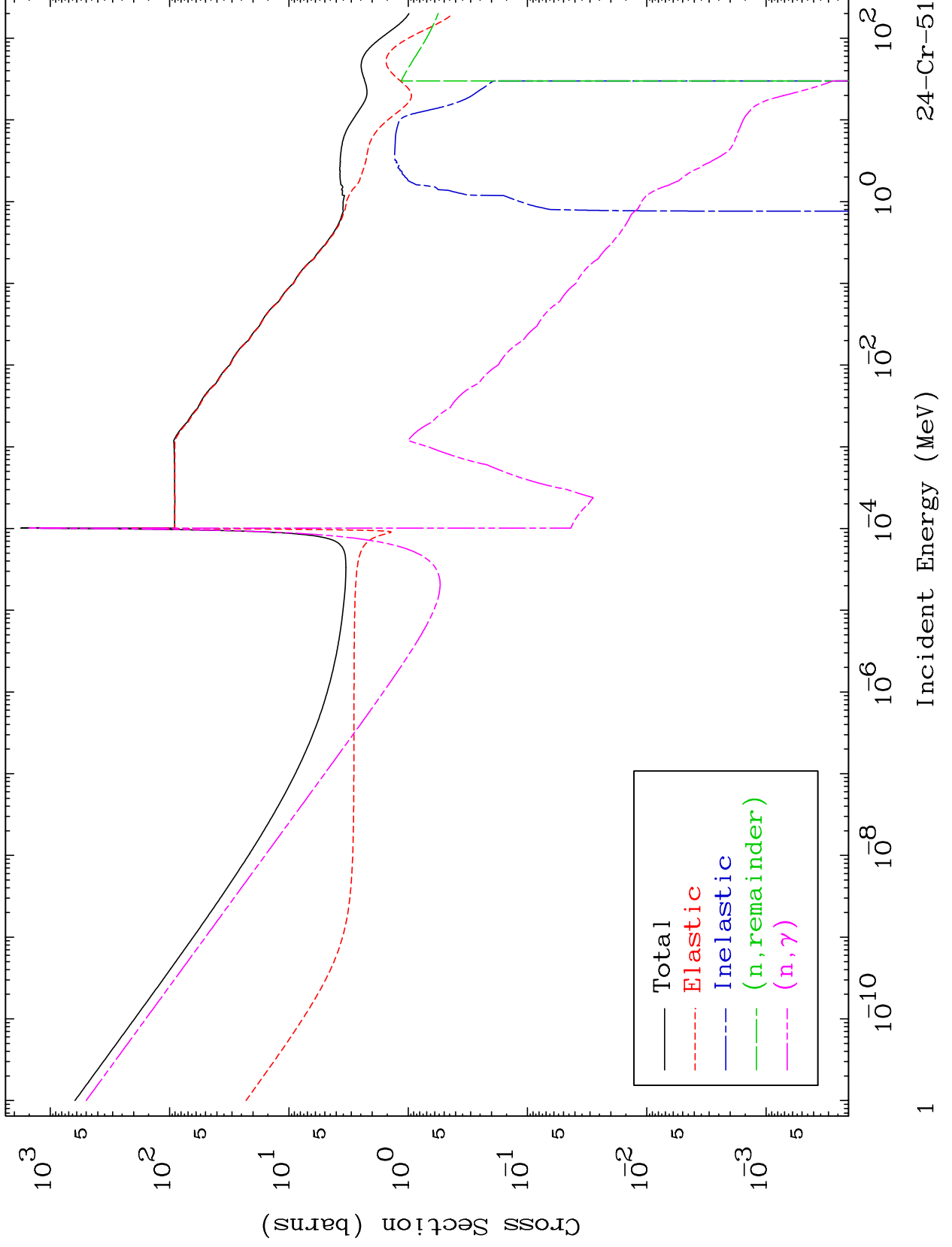
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2428

Major
293 Kelvin Cross Sections

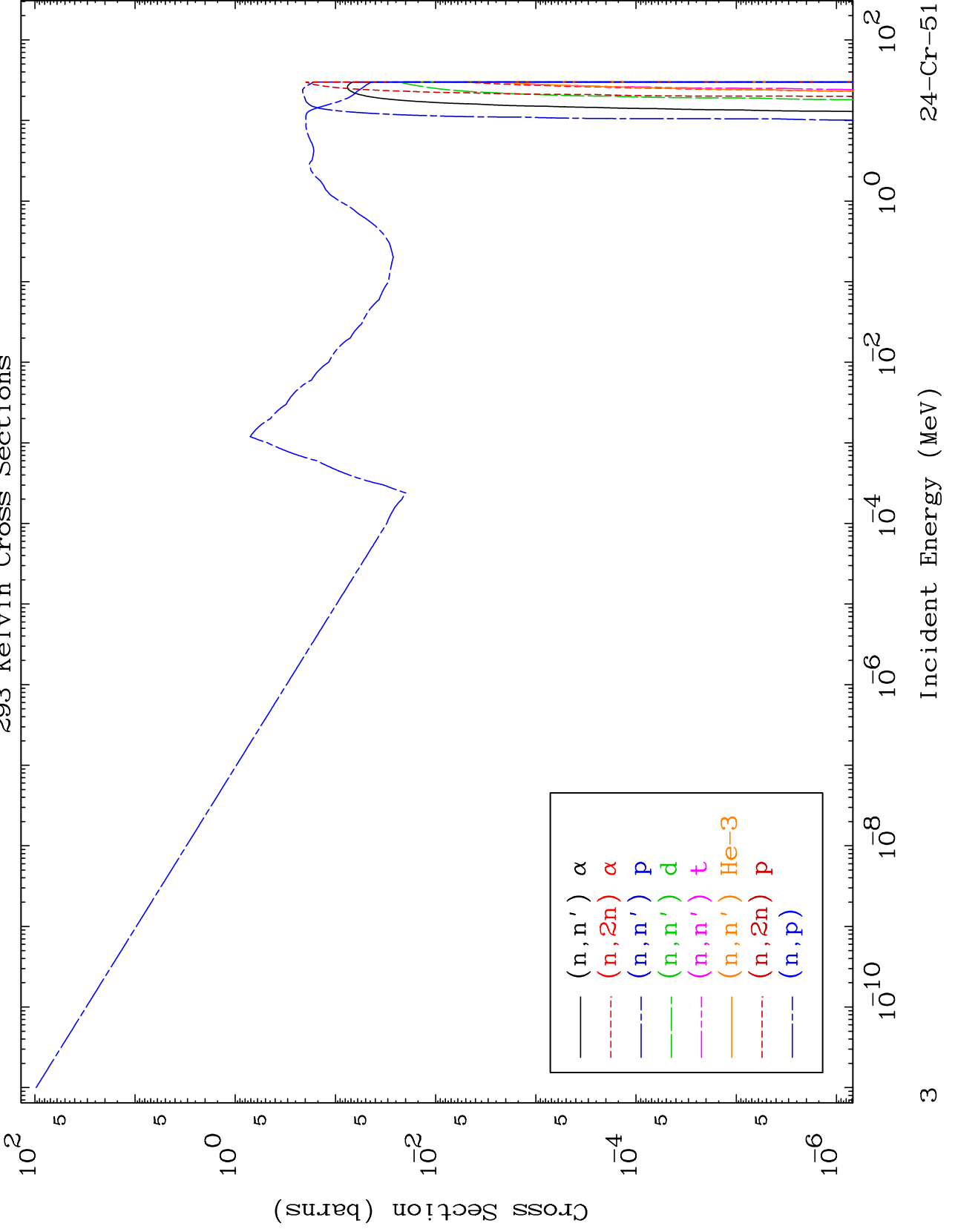
24-Cr-51



MAT 2428

Charged Particle
293 Kelvin Cross Sections

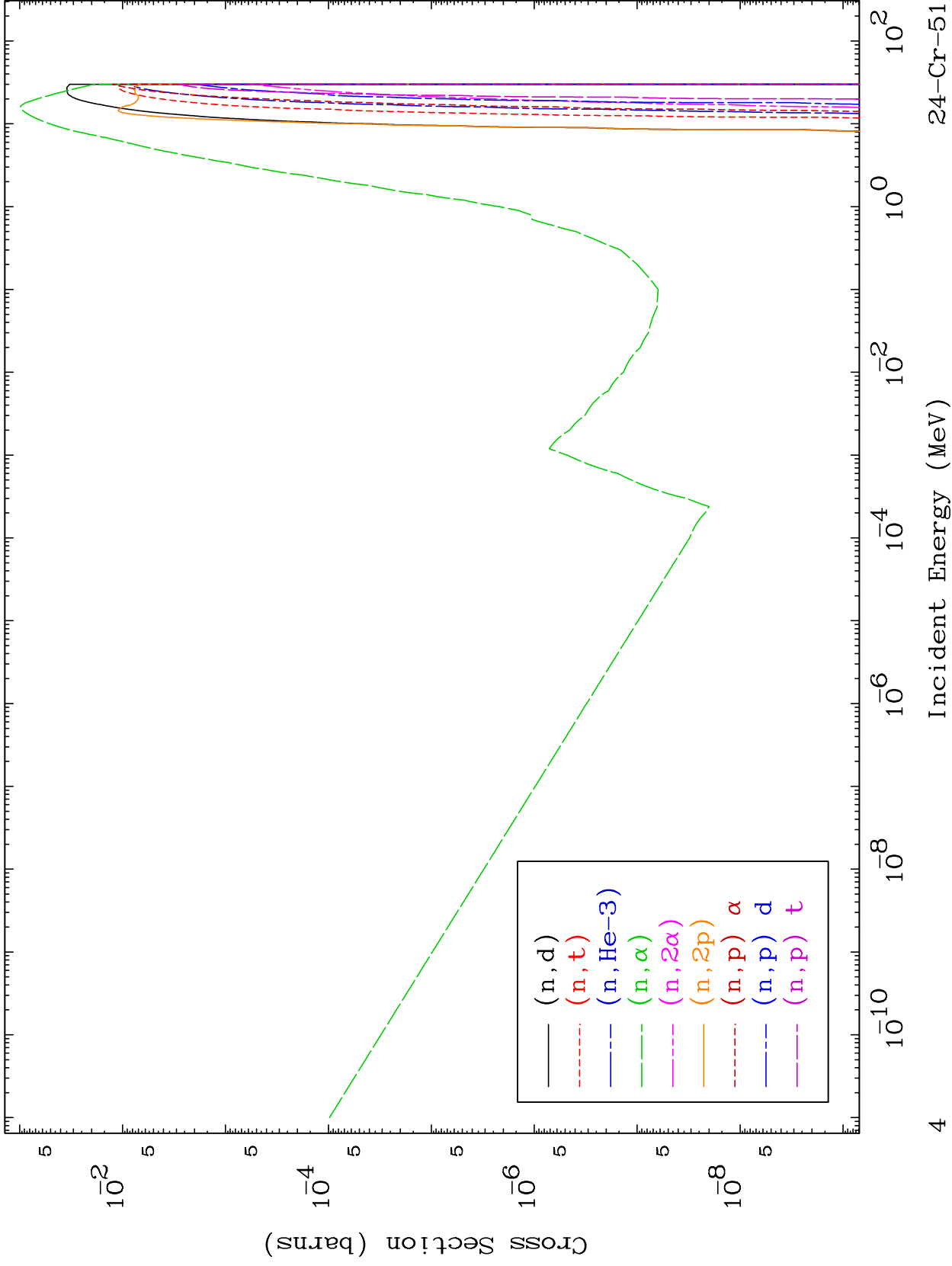
24-Cr-51



MAT 2428

Charged Particle
293 Kelvin Cross Sections

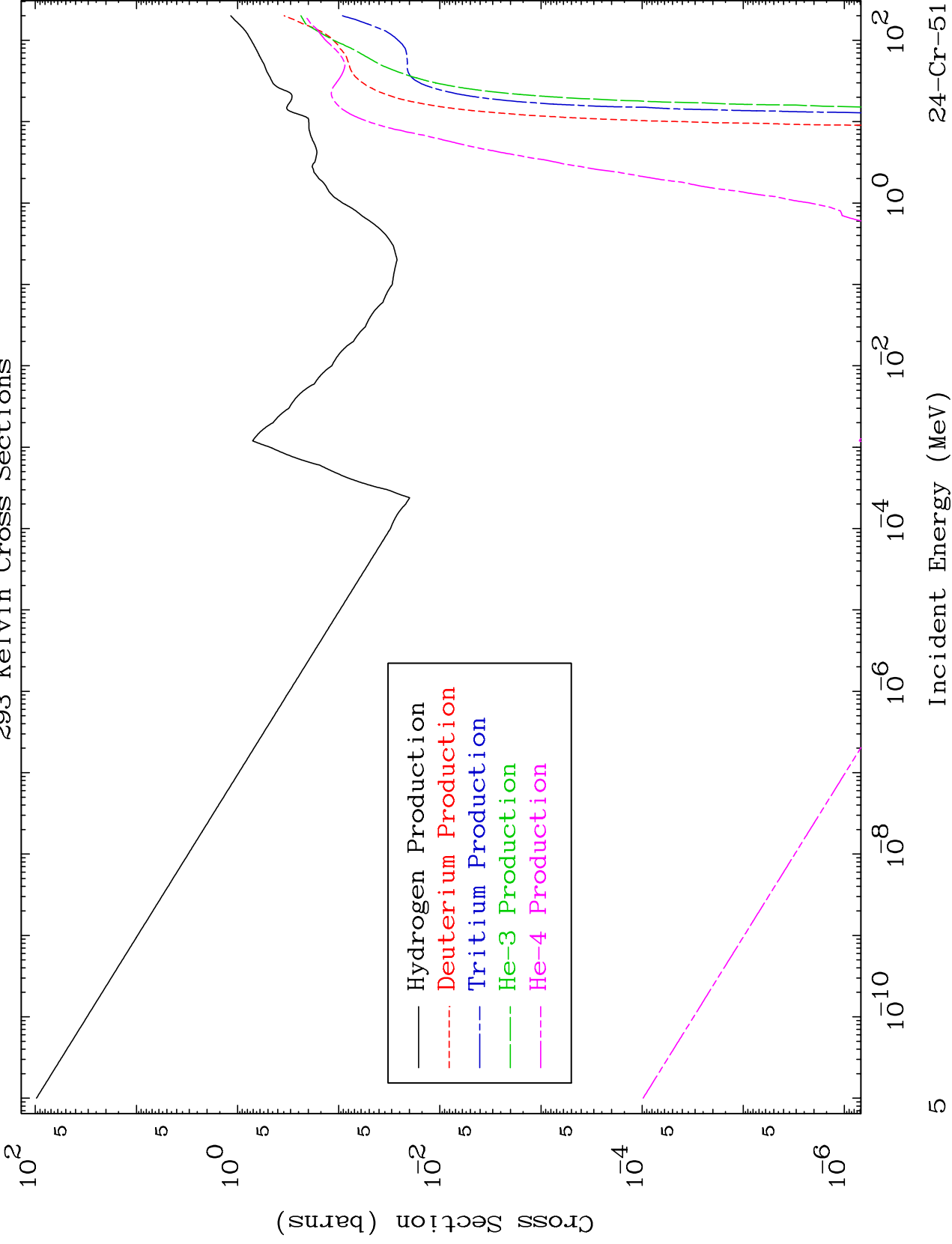
24-Cr-51



MAT 2428

Particle Production
293 Kelvin Cross Sections

24-Cr-51

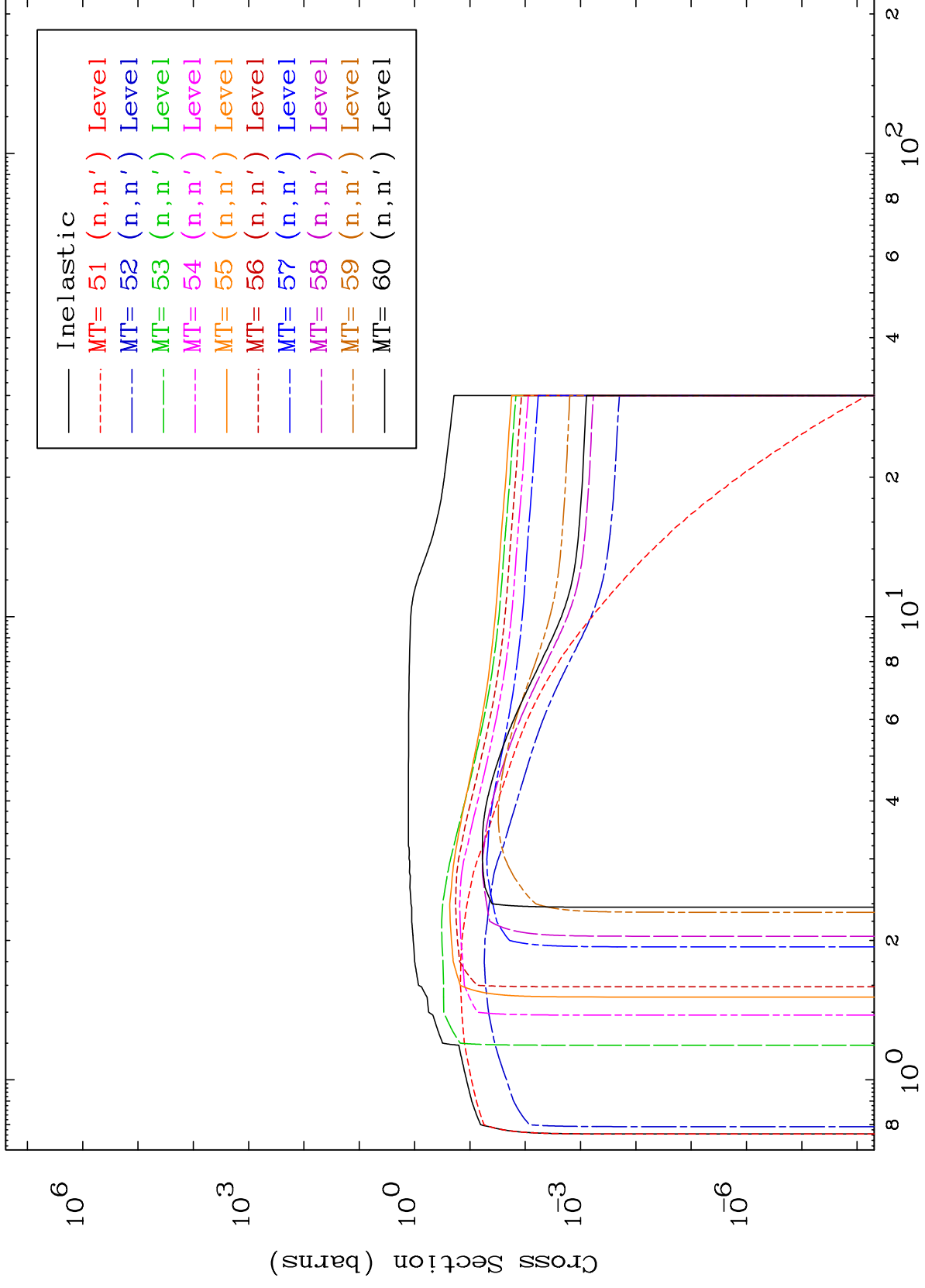


MAT 2428

(n,n') Level

24-Cr-51

293 Kelvin Cross Sections



6

Incident Energy (MeV)

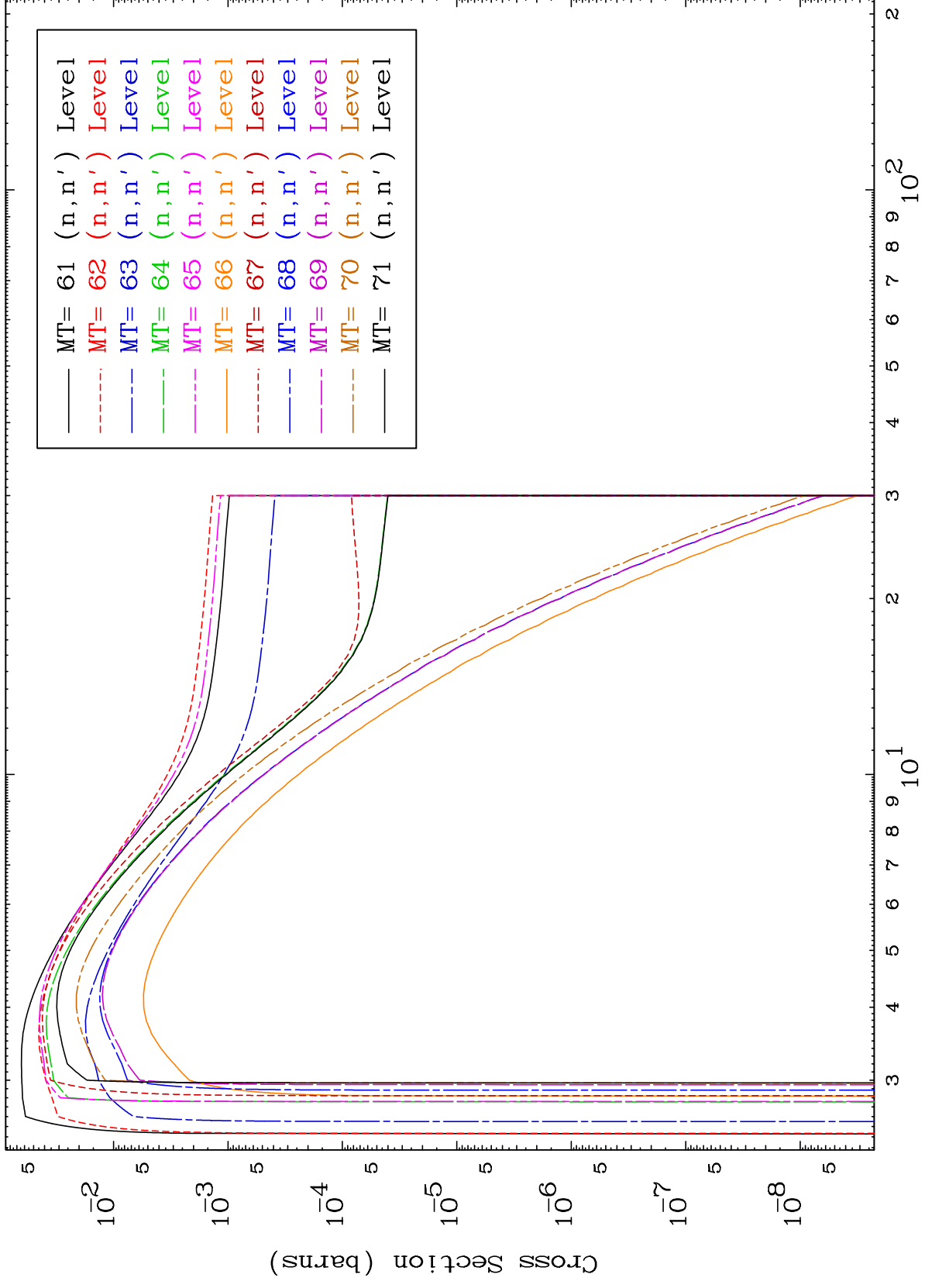
24-Cr-51

MAT 2428

(n,n') Level

24-Cr-51

293 Kelvin Cross Sections



7

Incident Energy (MeV)

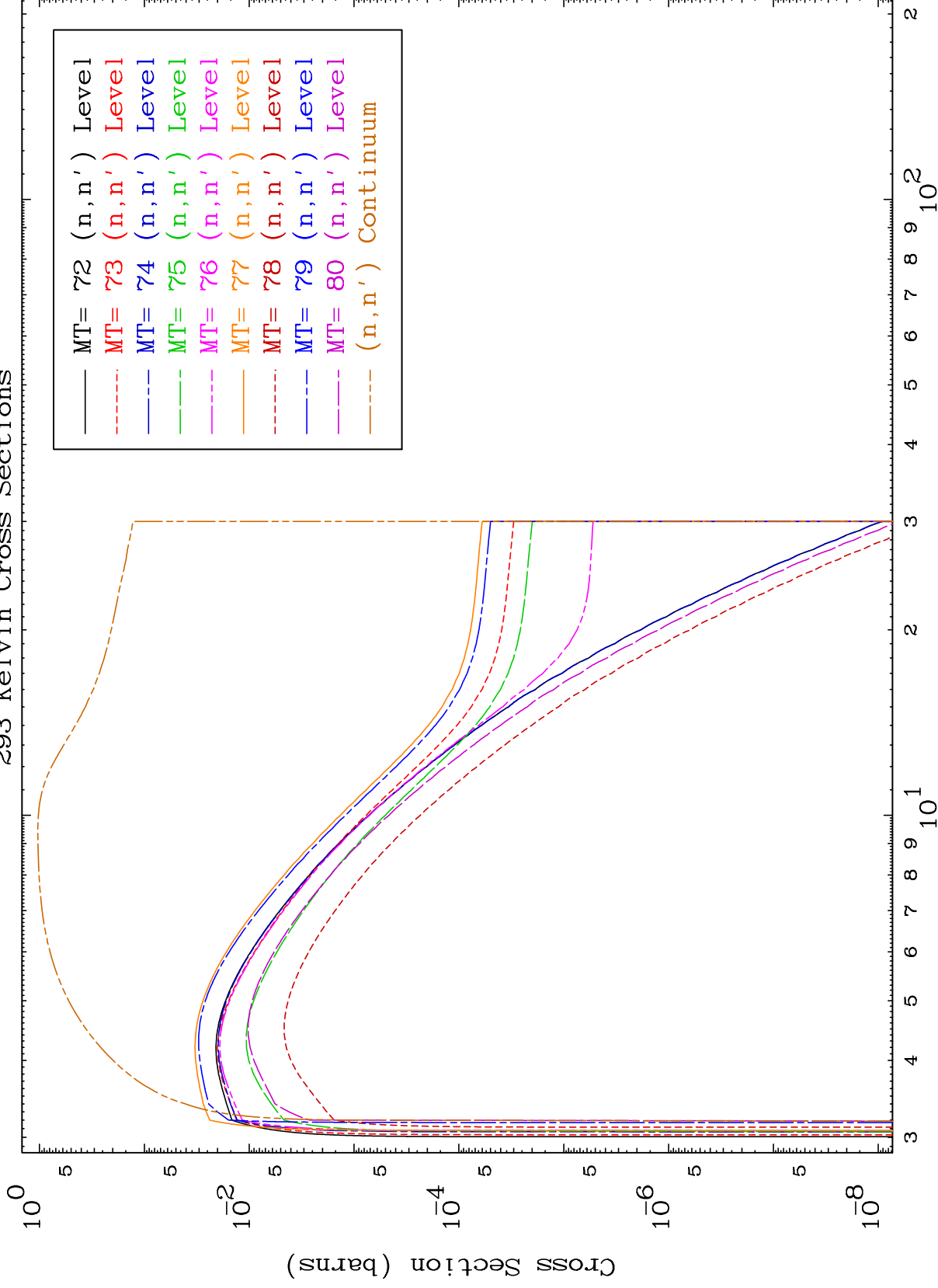
24-Cr-51

MAT 2428

(n,n') Level

24-Cr-51

293 Kelvin Cross Sections



Incident Energy (MeV)

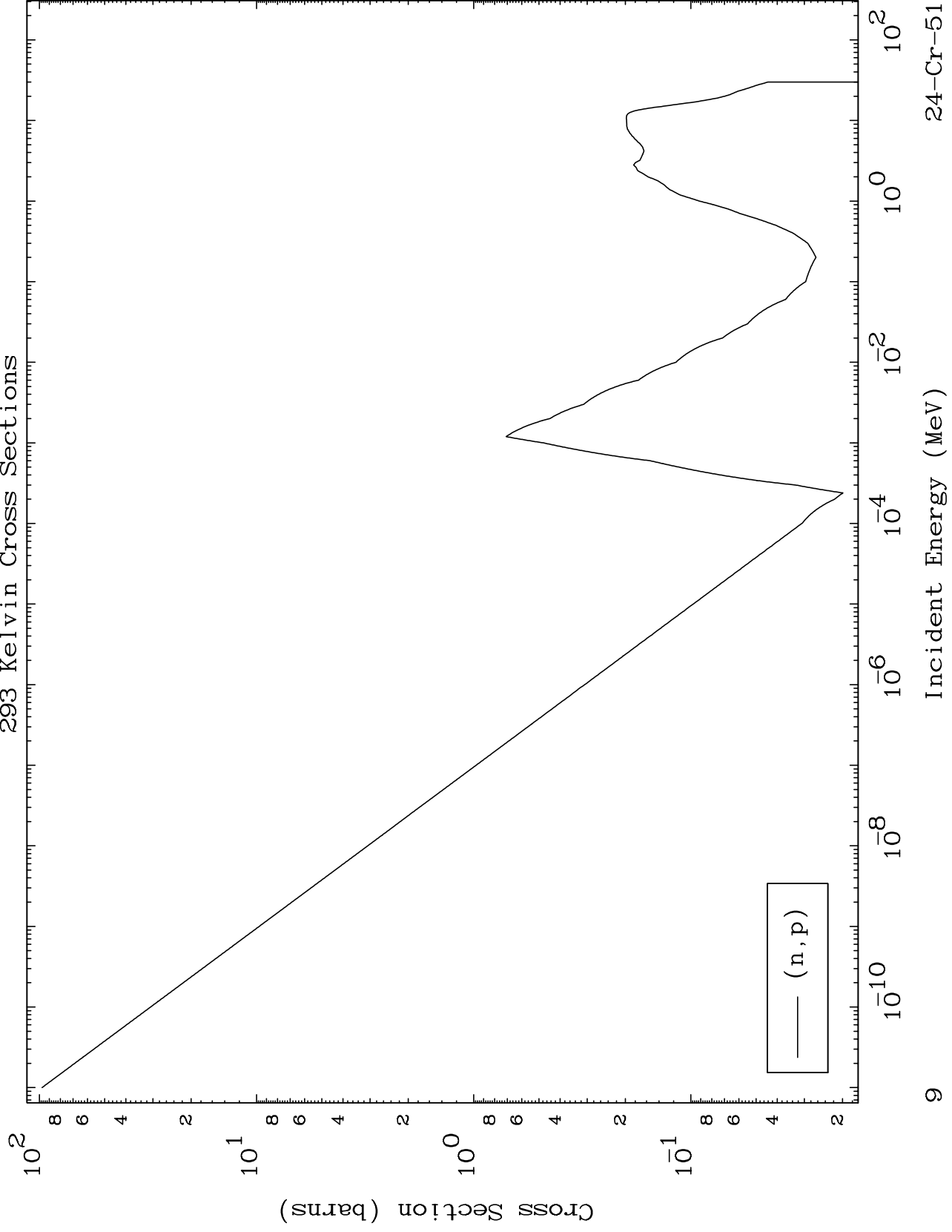
24-Cr-51

8

MAT 2428

(n,p) Levels
293 Kelvin Cross Sections

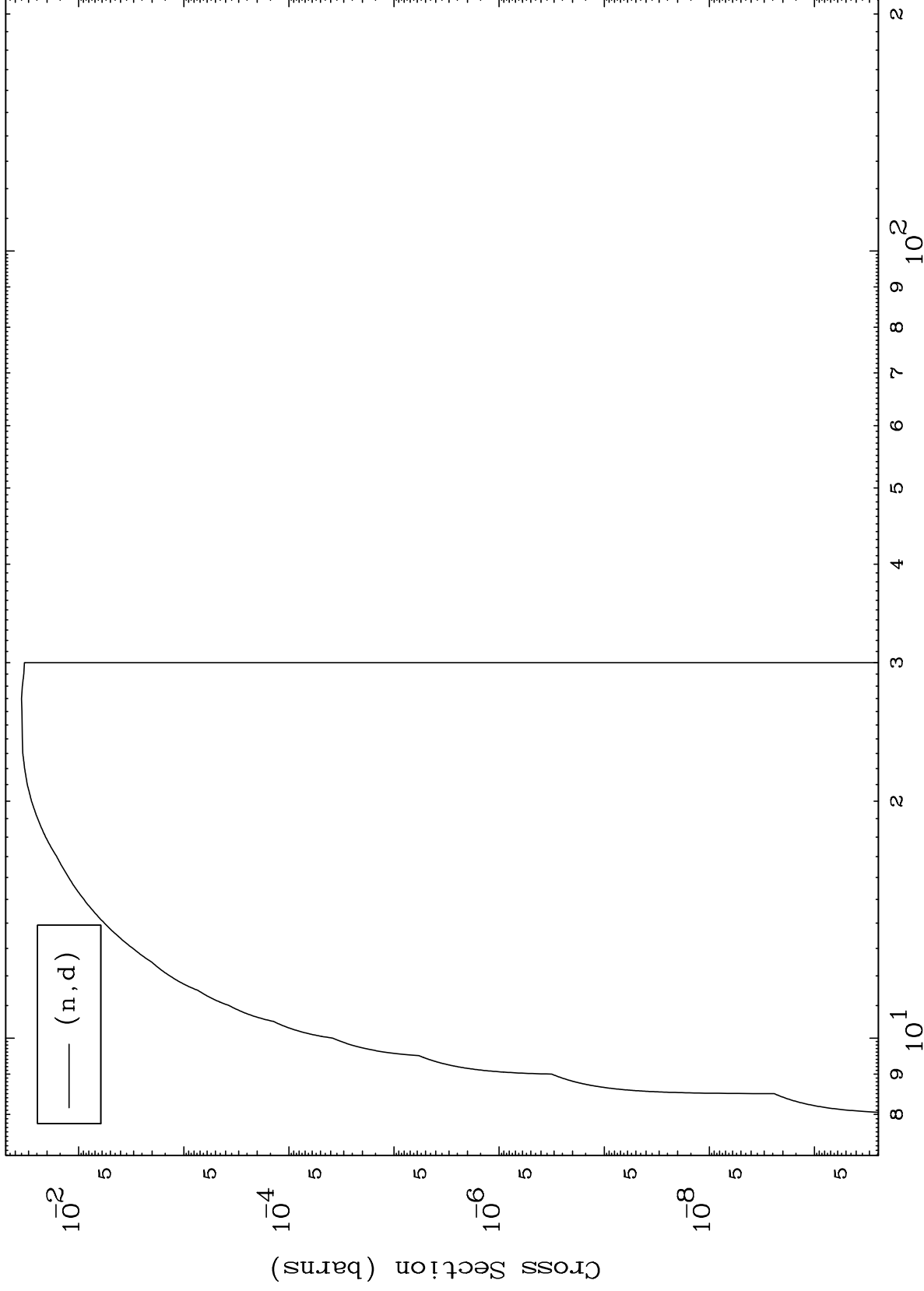
24-Cr-51



MAT 2428

(n,d) Levels
293 Kelvin Cross Sections

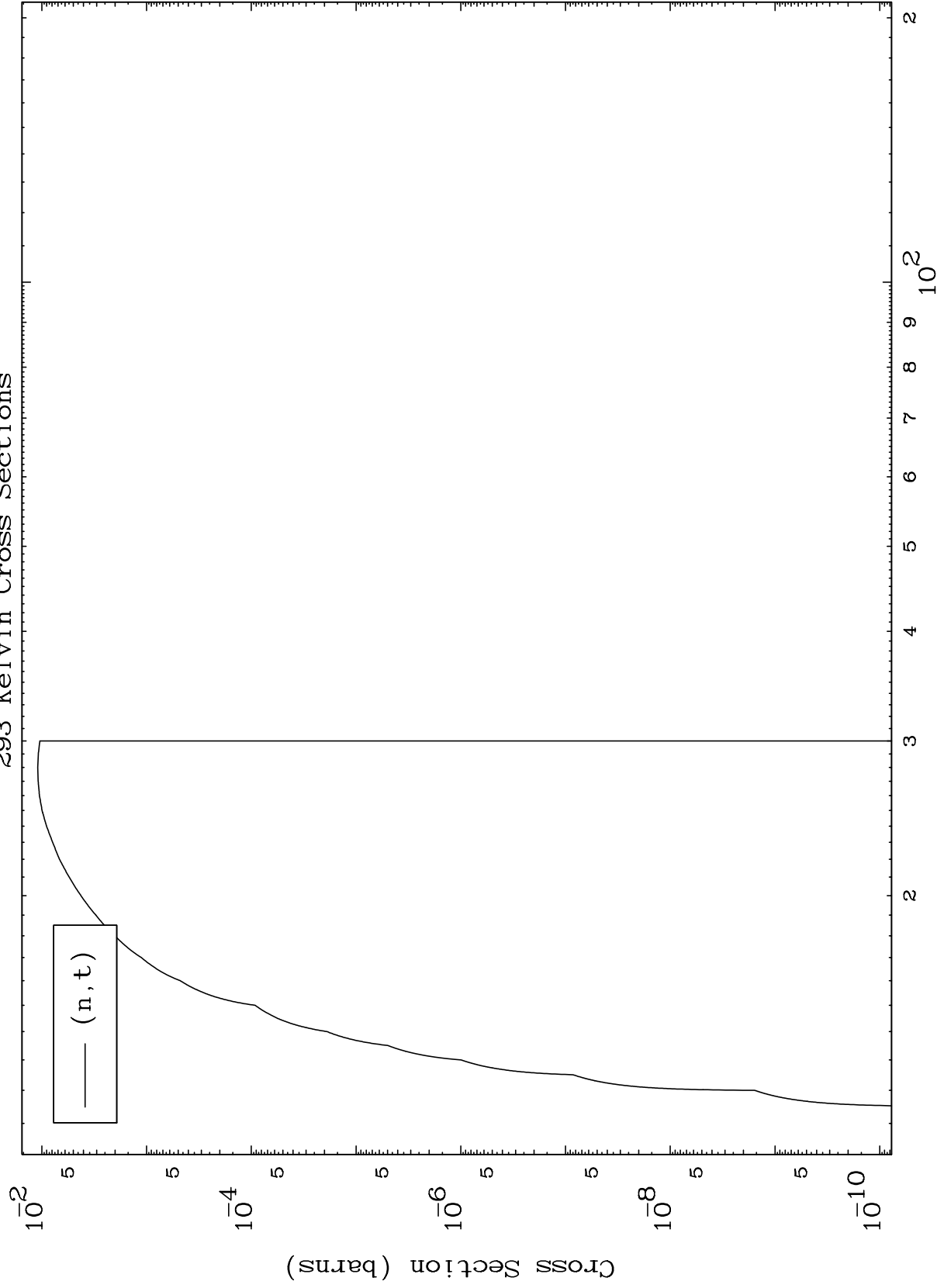
24-Cr-51



10

Incident Energy (MeV)

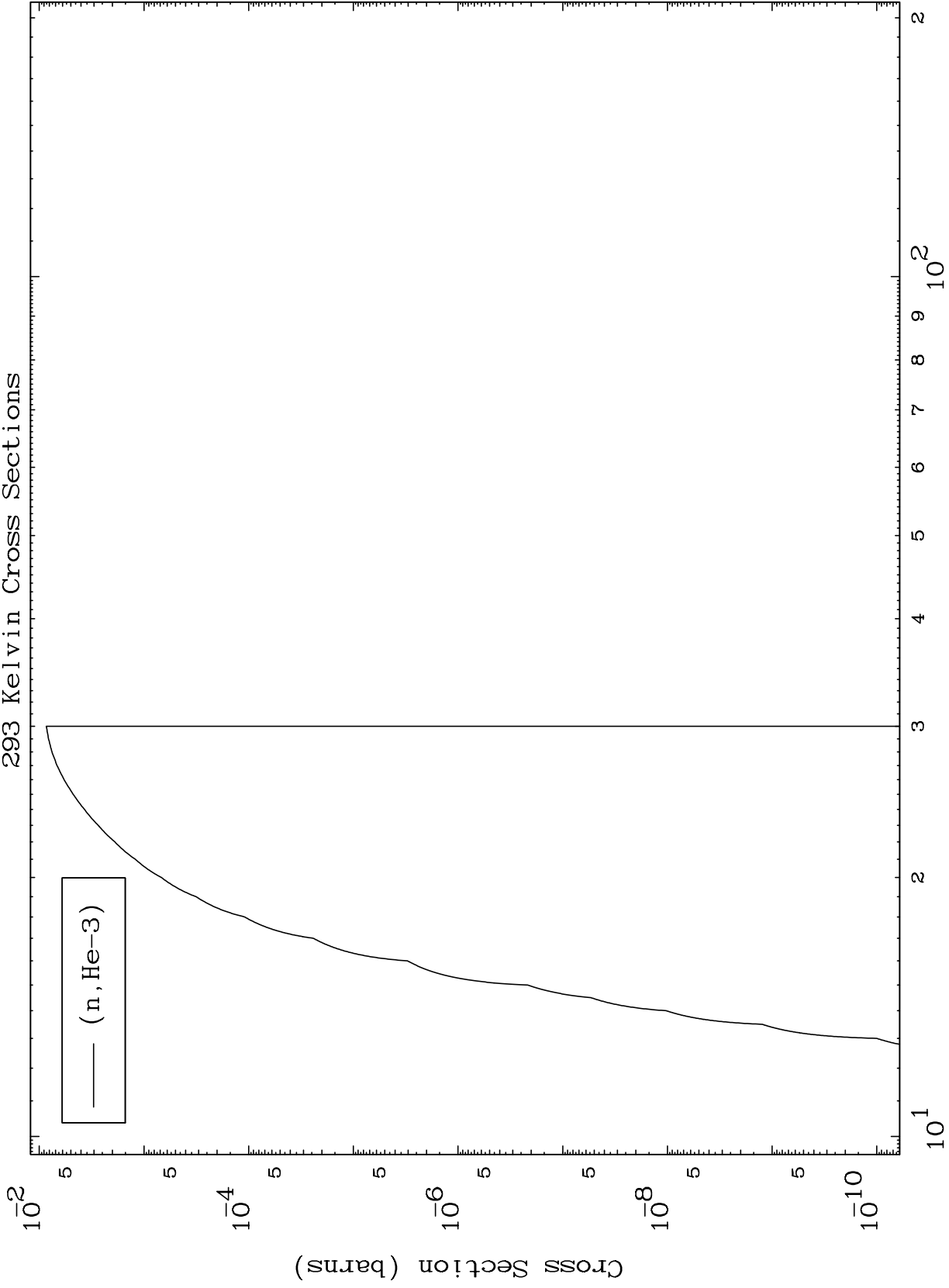
24-Cr-51



MAT 2428

(n,He3) Levels
293 Kelvin Cross Sections

24-Cr-51



12

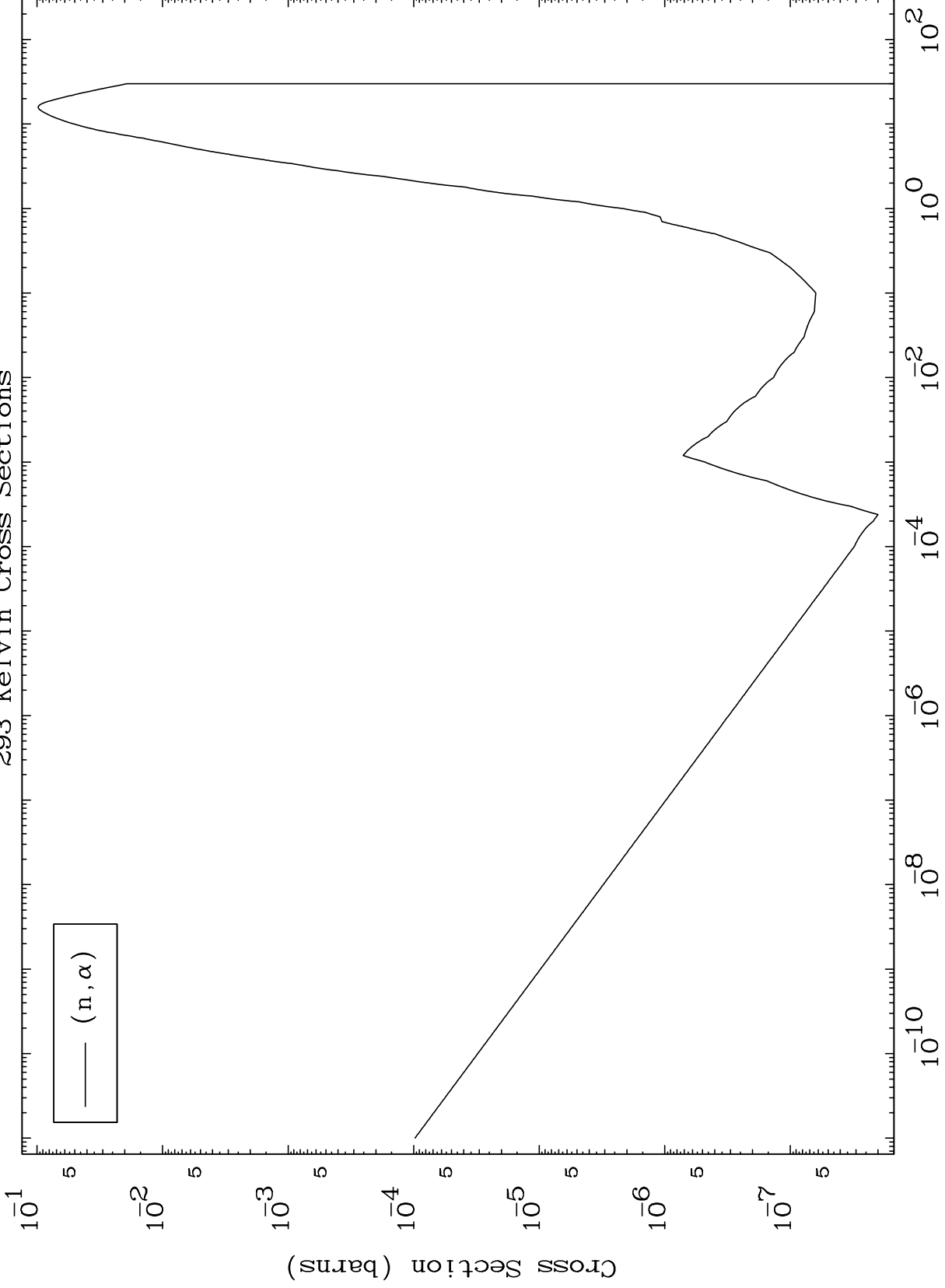
Incident Energy (MeV)

24-Cr-51

MAT 2428

(n, α) Levels
293 Kelvin Cross Sections

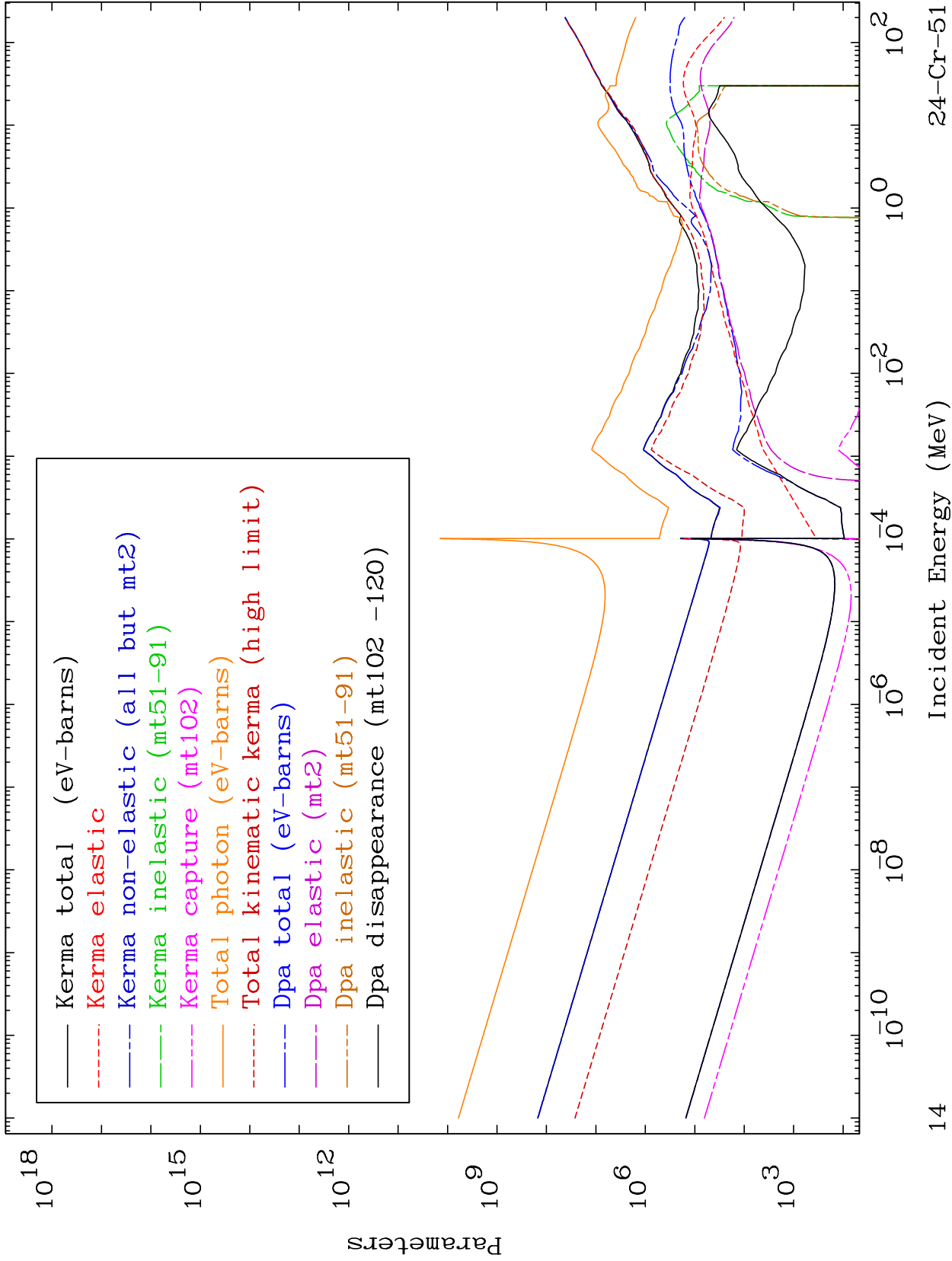
24-Cr-51



13

Incident Energy (MeV)

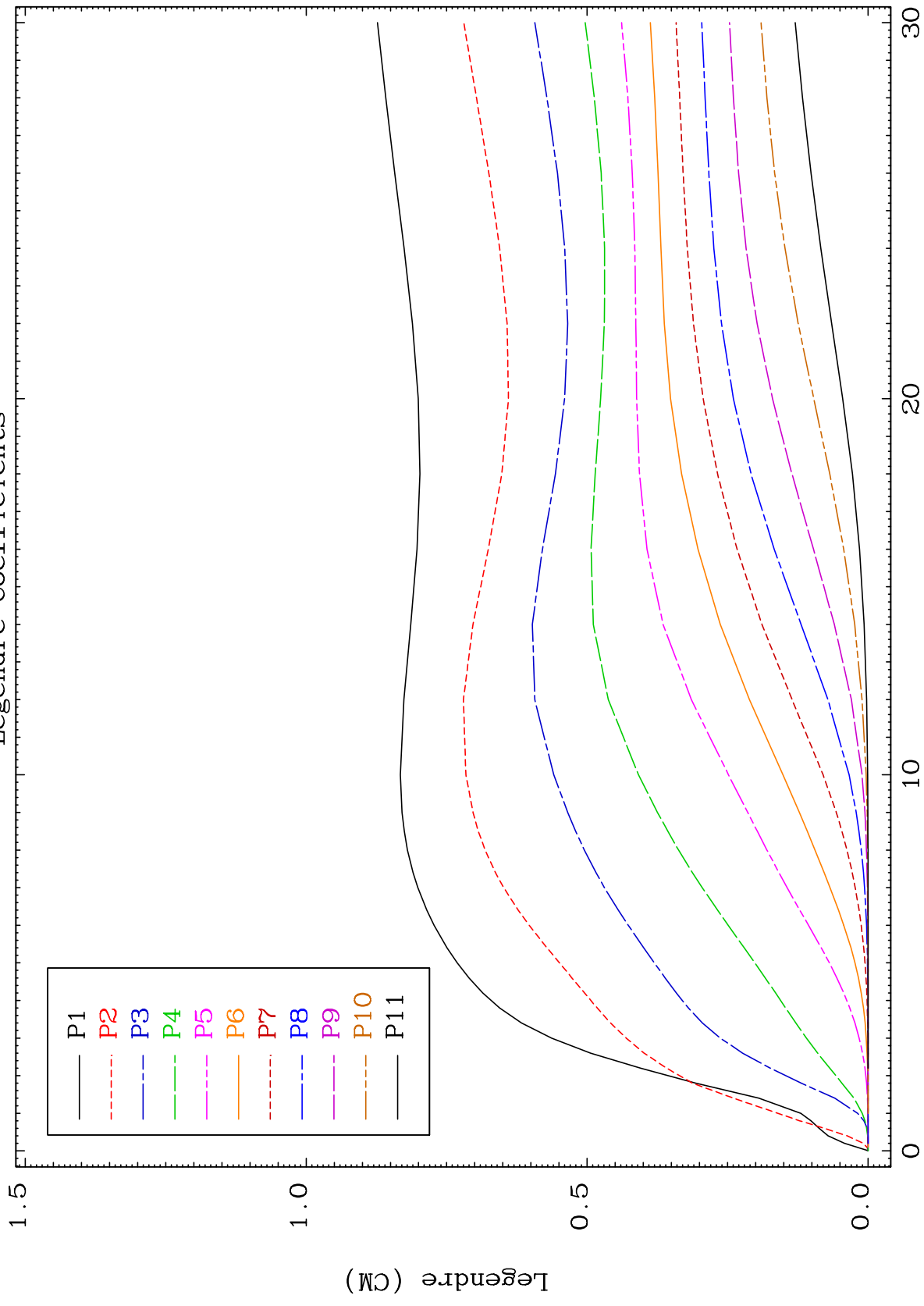
24-Cr-51



MAT 2428

Elastic Legendre Coefficients

24-Cr-51



24-Cr-51

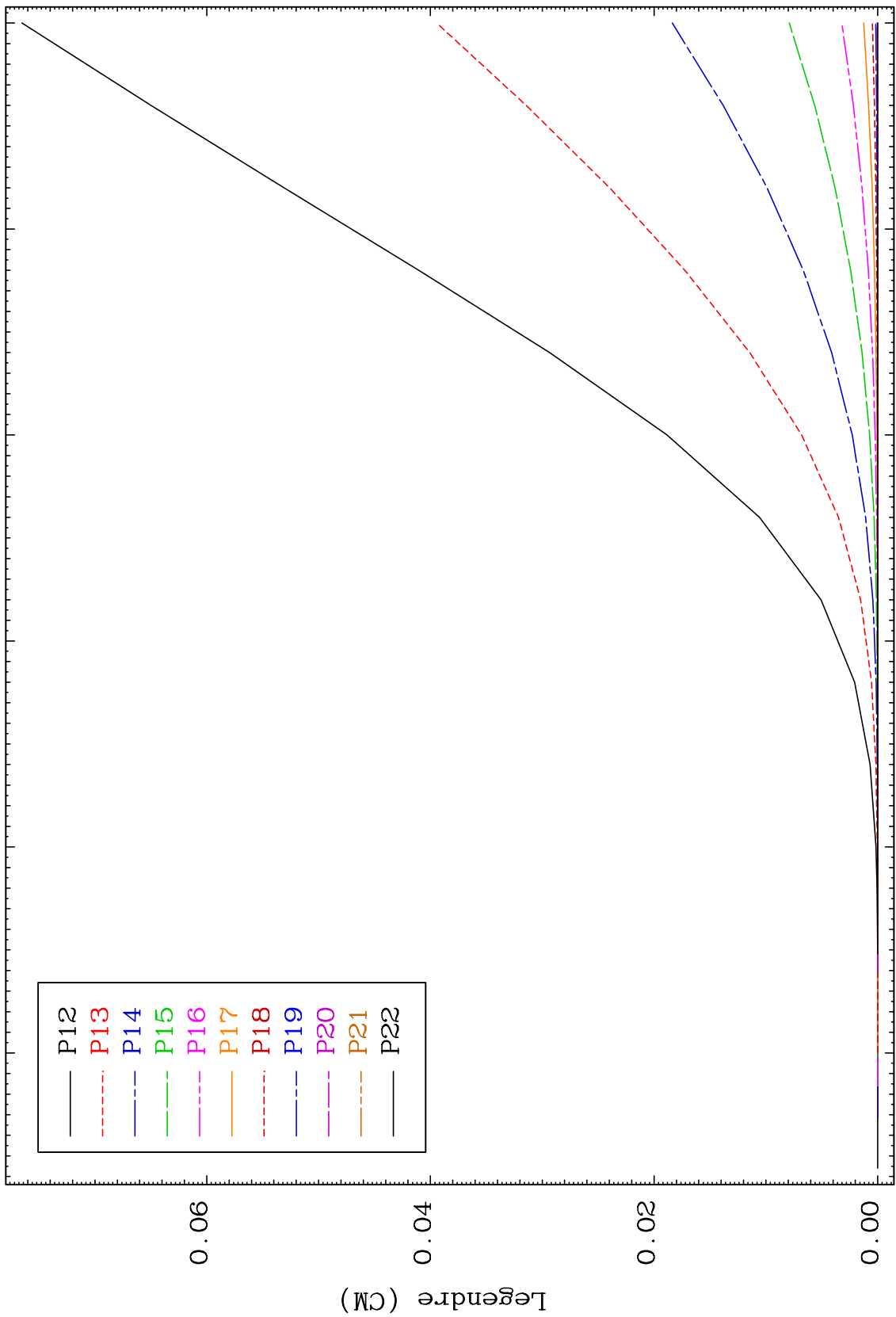
Incident Energy (MeV)

15

MAT 2428

Elastic
Legendre Coefficients

24-Cr-51



16

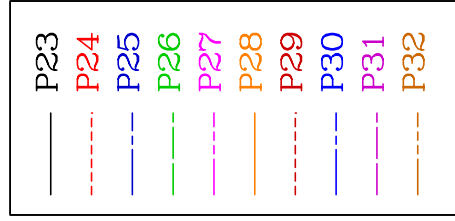
Incident Energy (MeV)

24-Cr-51

MAT 2428

Elastic
Legendre Coefficients

24-Cr-51



$\times 10^{-6}$
1.5

1.0

0.5

0.0

Legendre (CM)

30

25

20

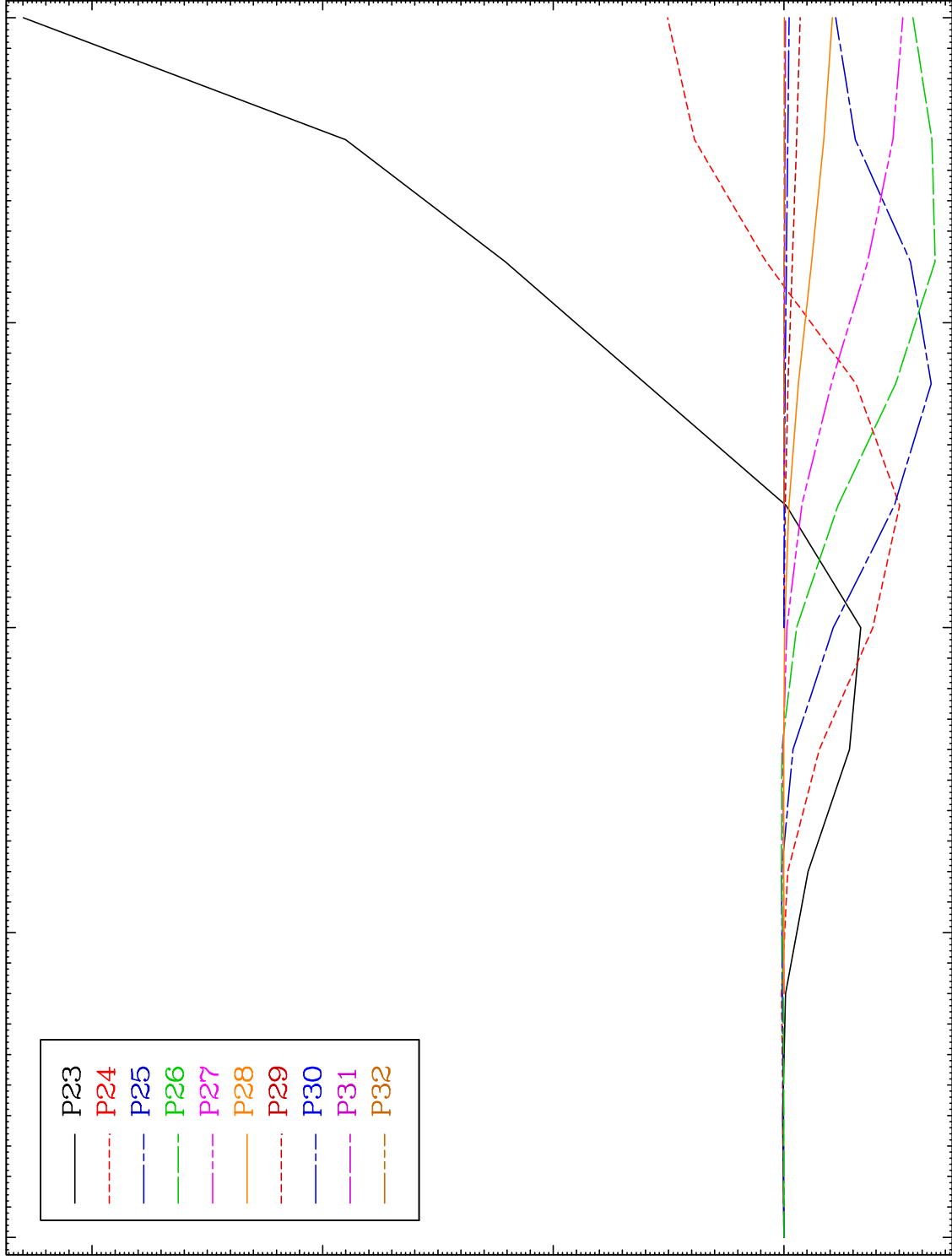
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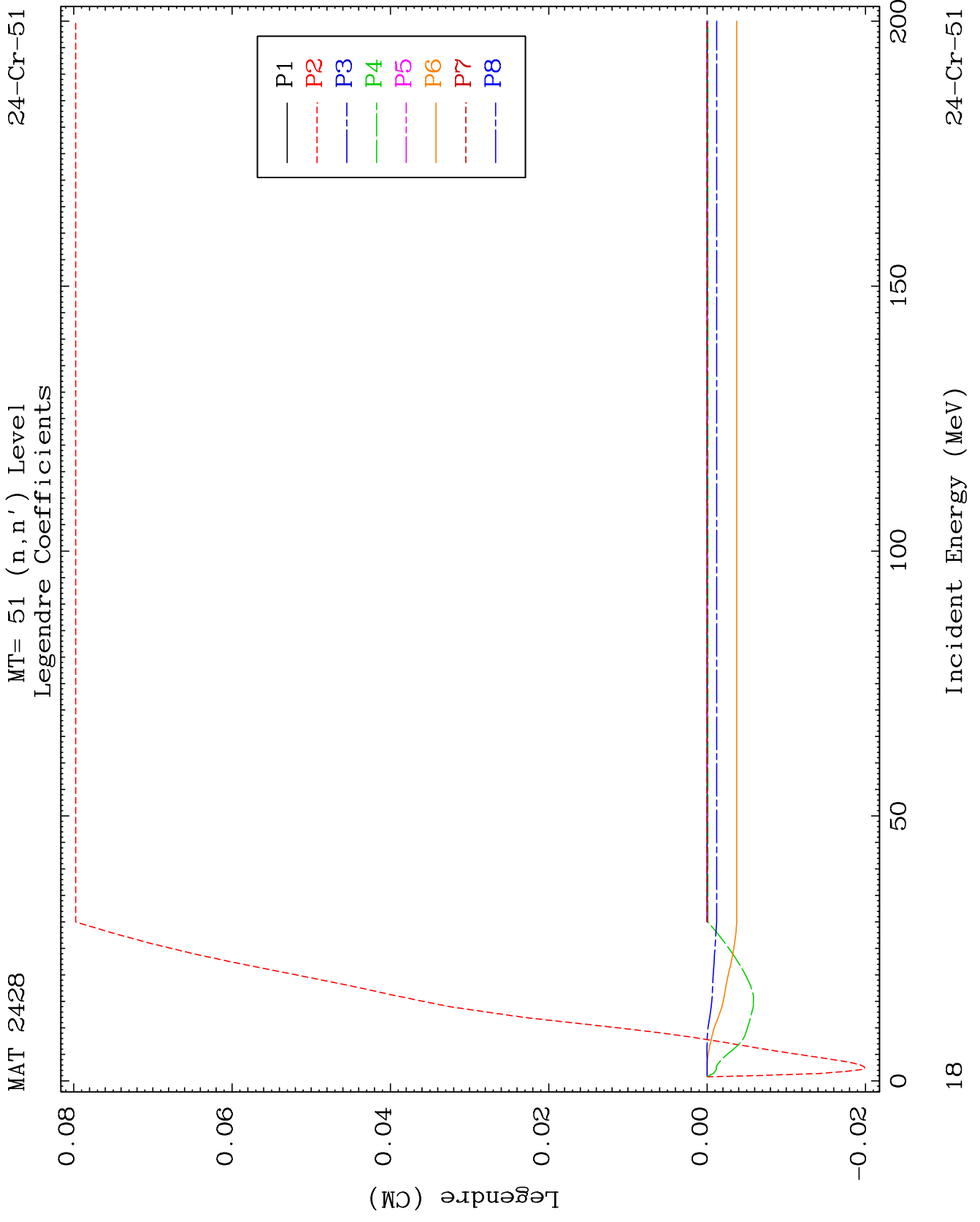
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24-Cr-51

Incident Energy (MeV)

17

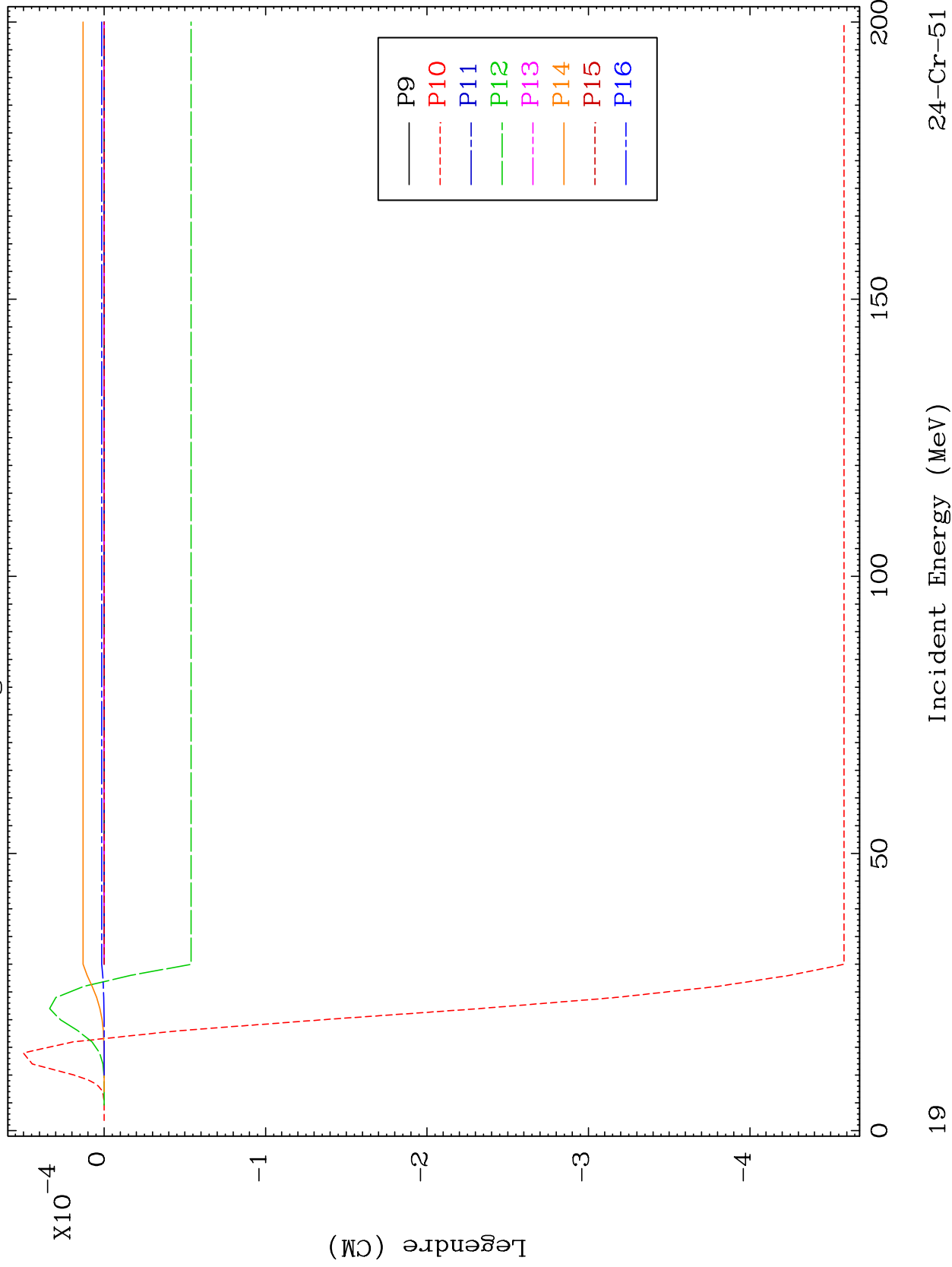




MAT 2428

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

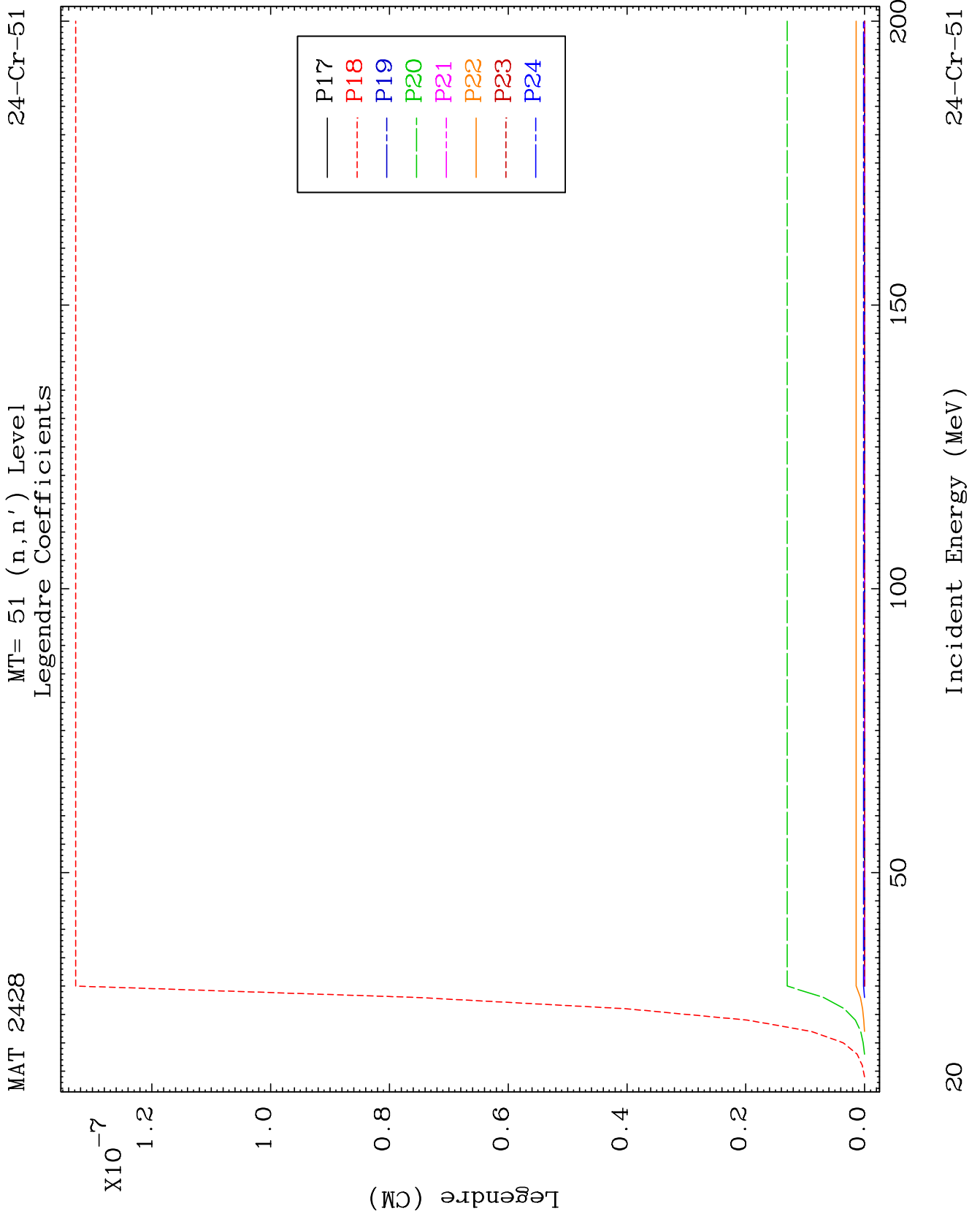
24-Cr-51



24-Cr-51

Incident Energy (MeV)

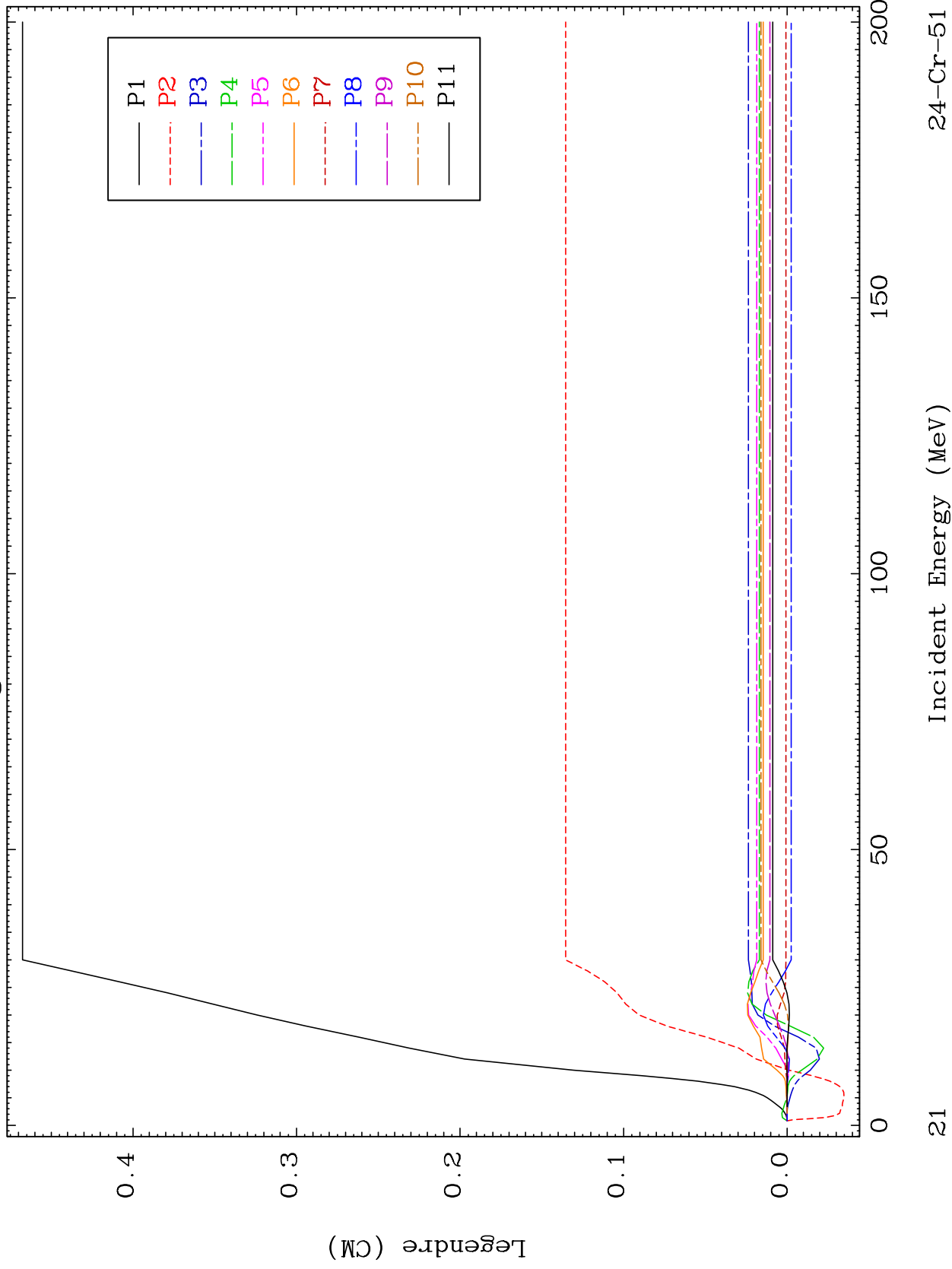
19



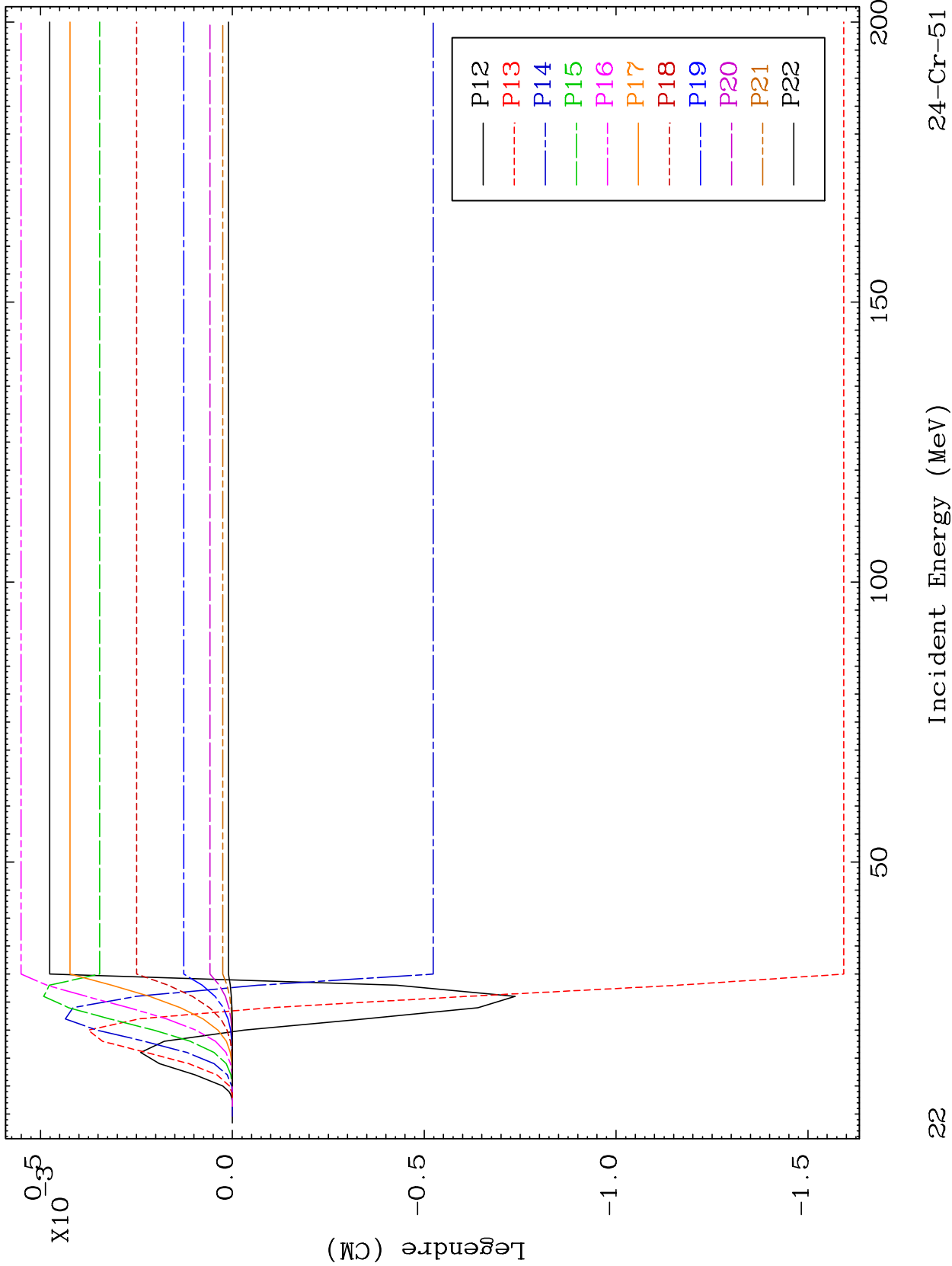
MAT 2428

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

24-Cr-51



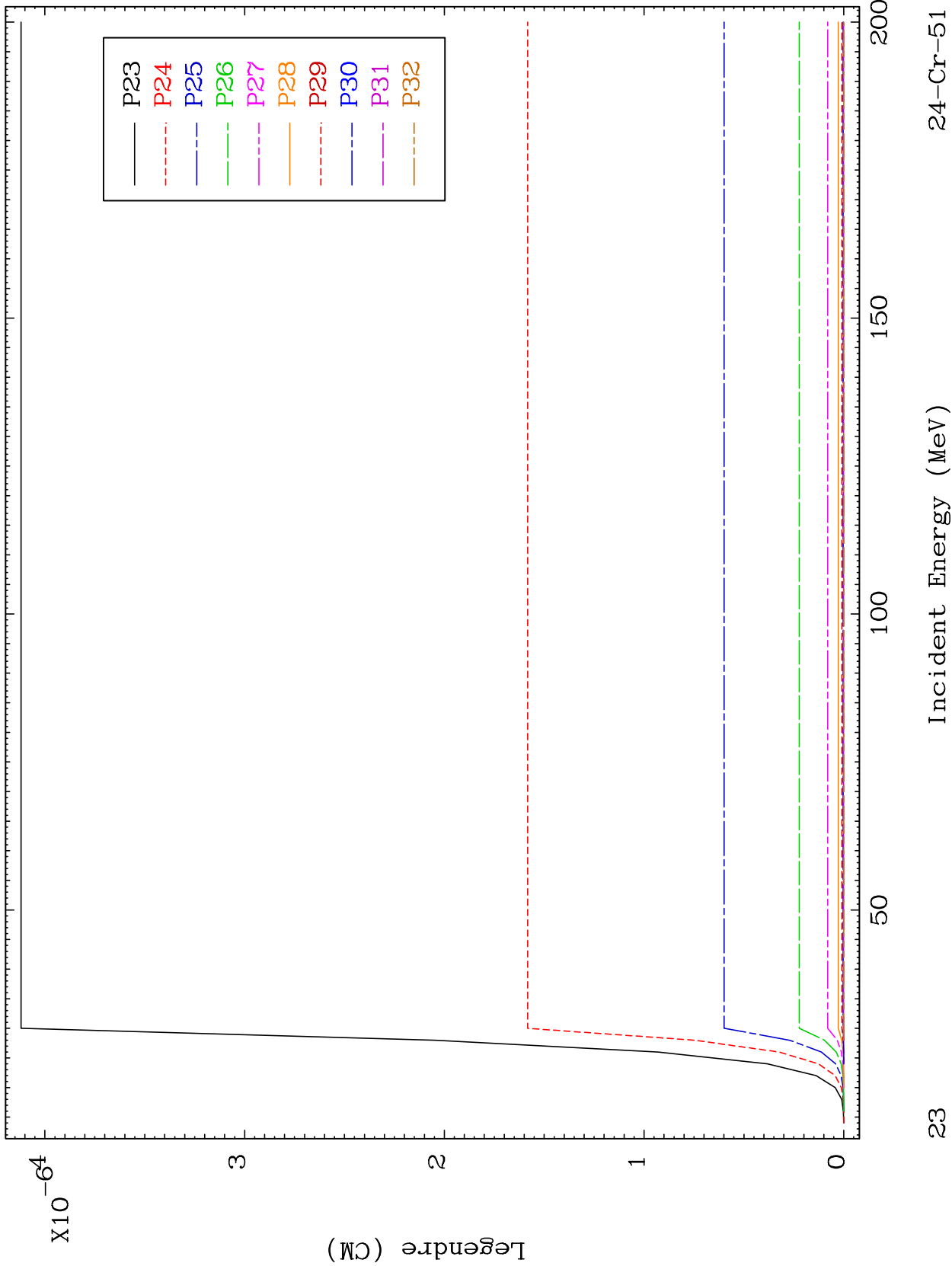
21



MAT 2428

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

24-Cr-51



23

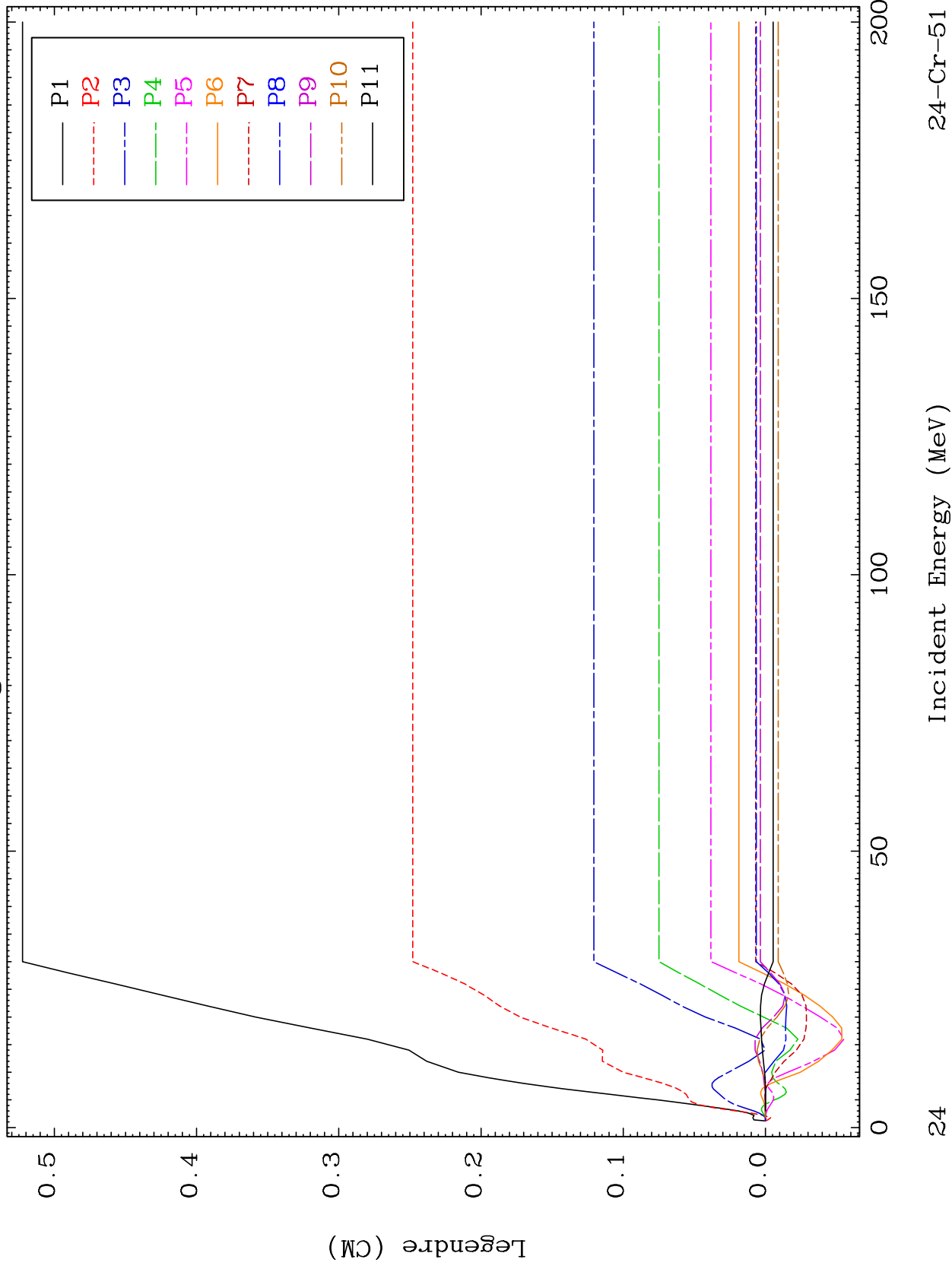
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

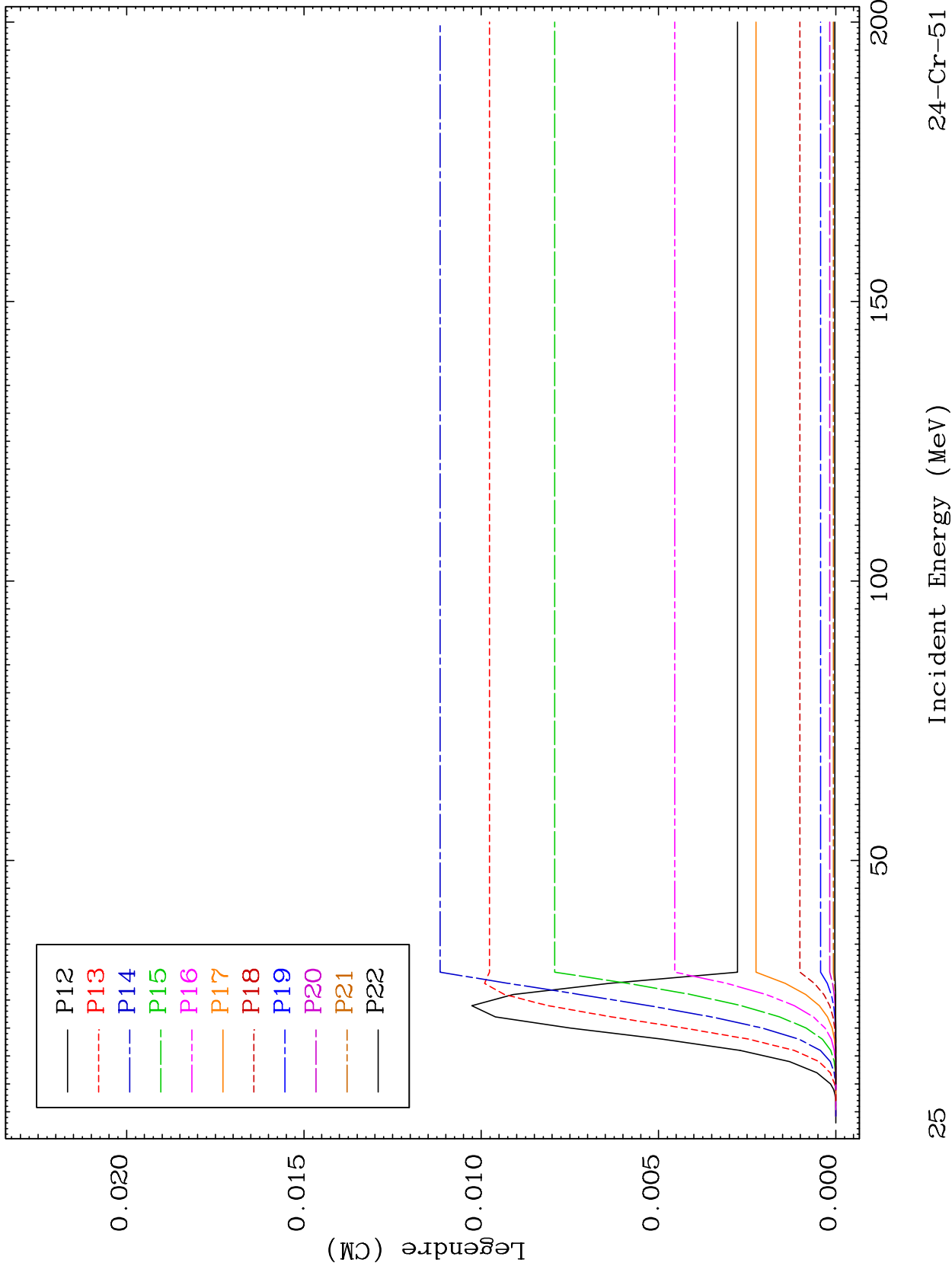
24-Cr-51



24

Incident Energy (MeV)

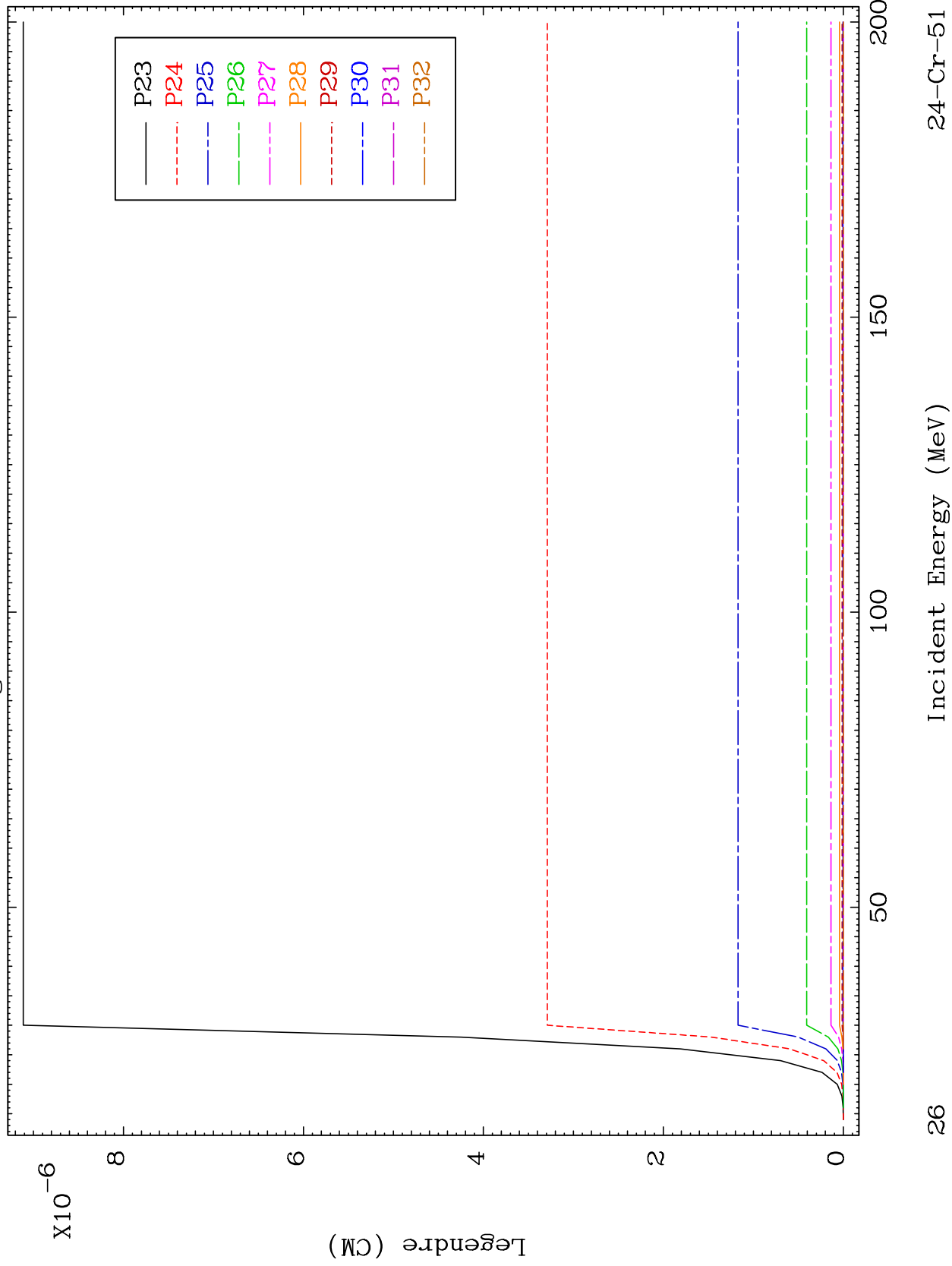
24-Cr-51



MAT 2428

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

24-Cr-51



26

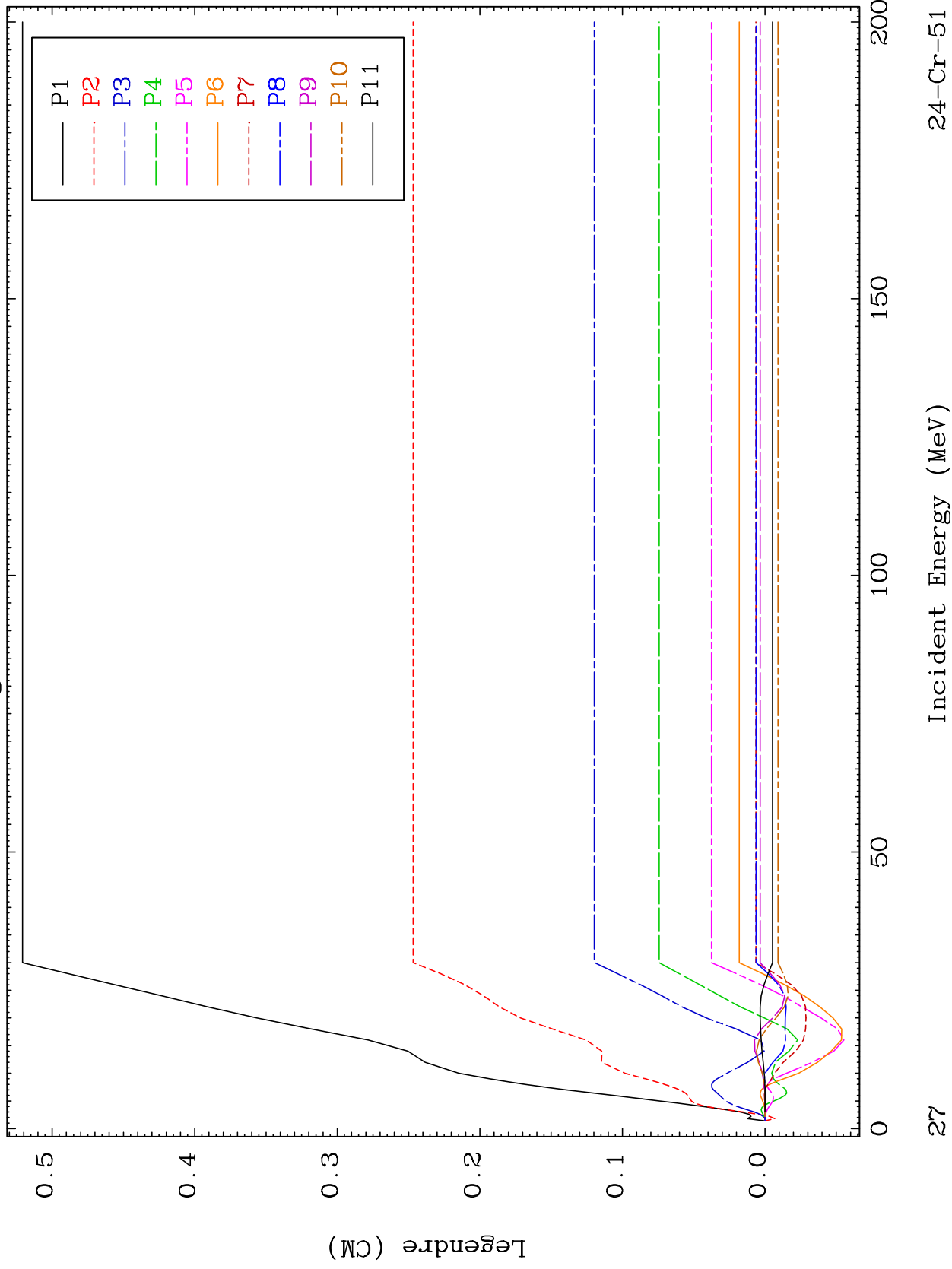
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

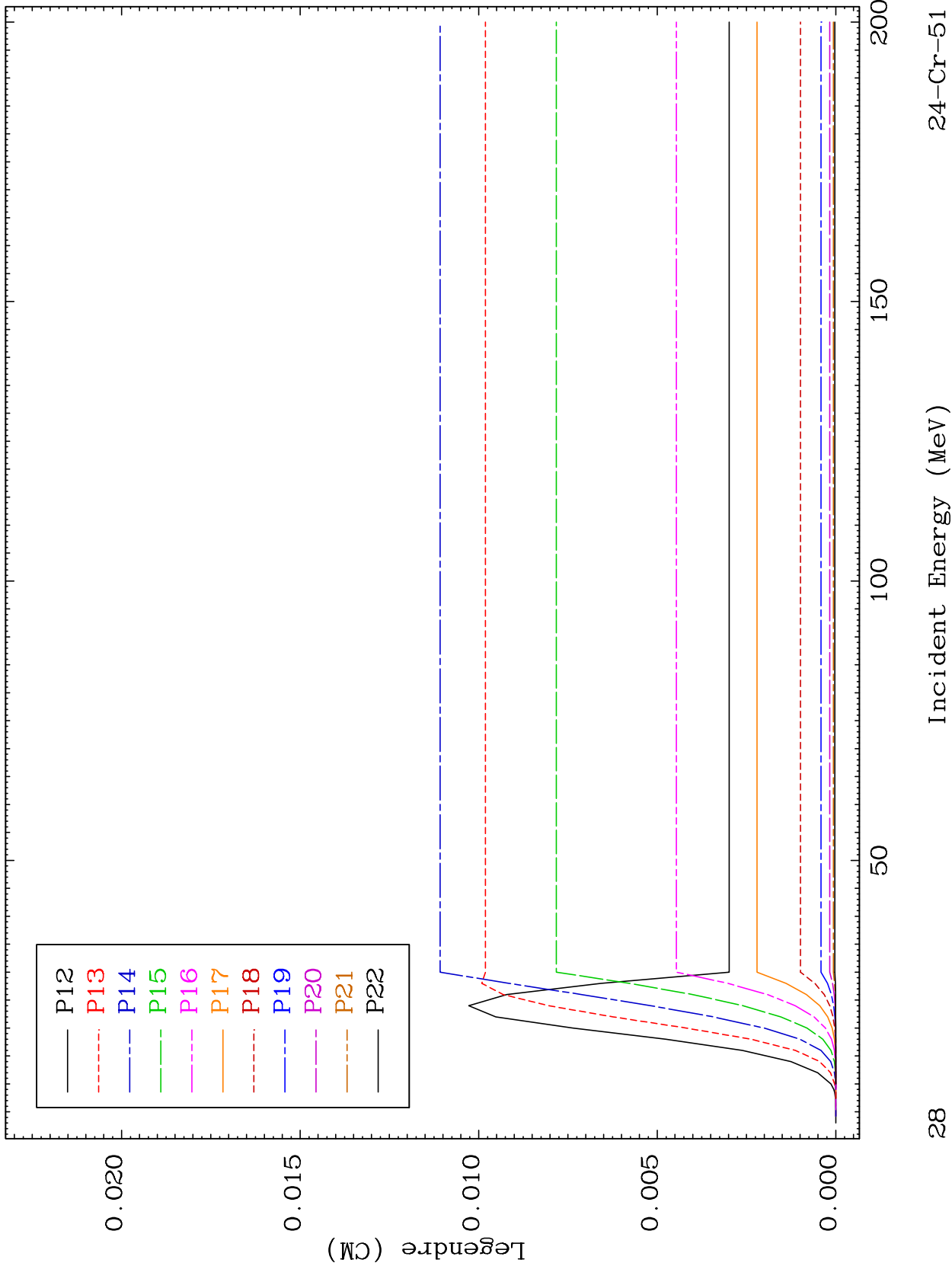
24-Cr-51



27

Incident Energy (MeV)

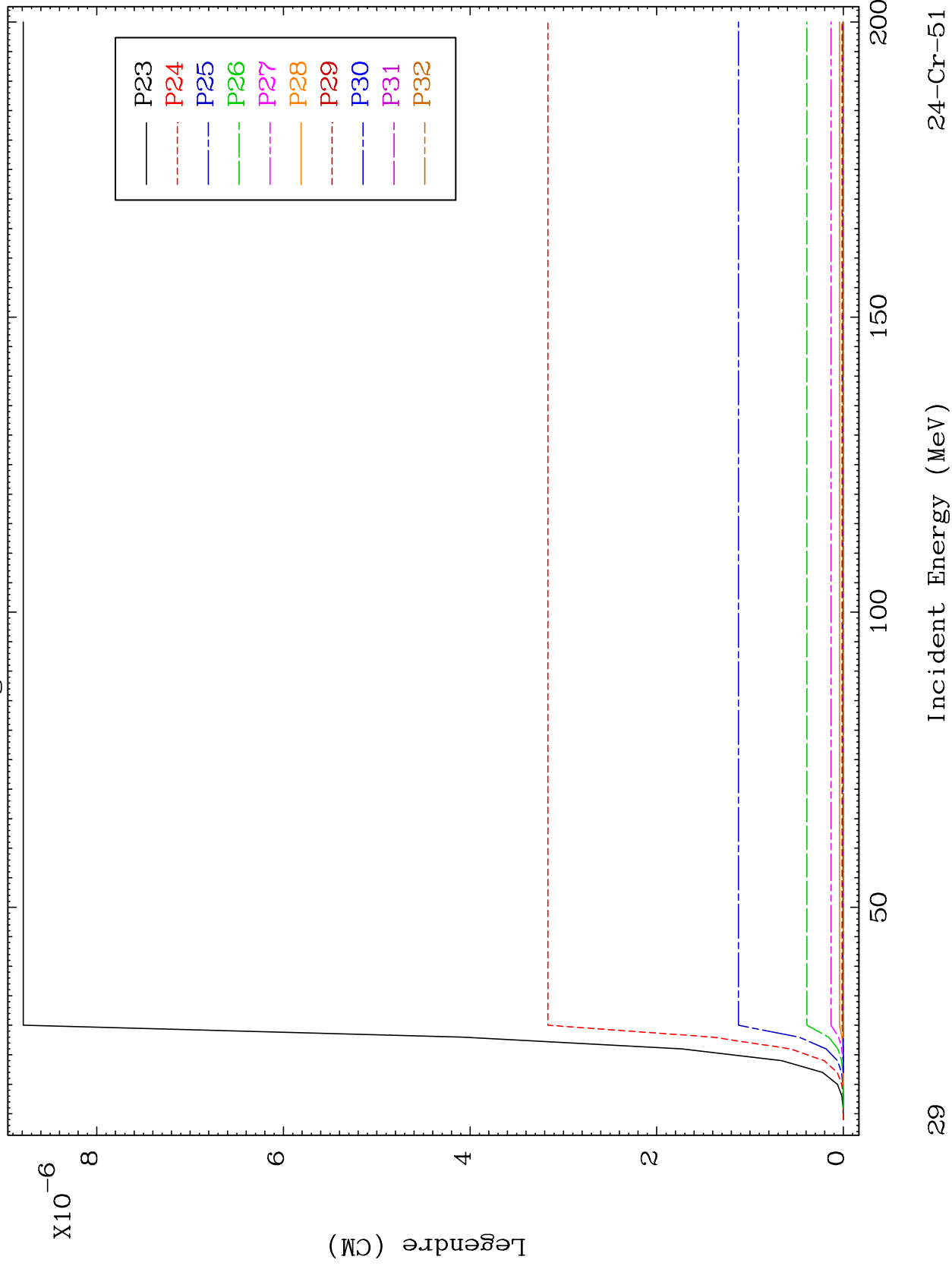
24-Cr-51



MAT 2428

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

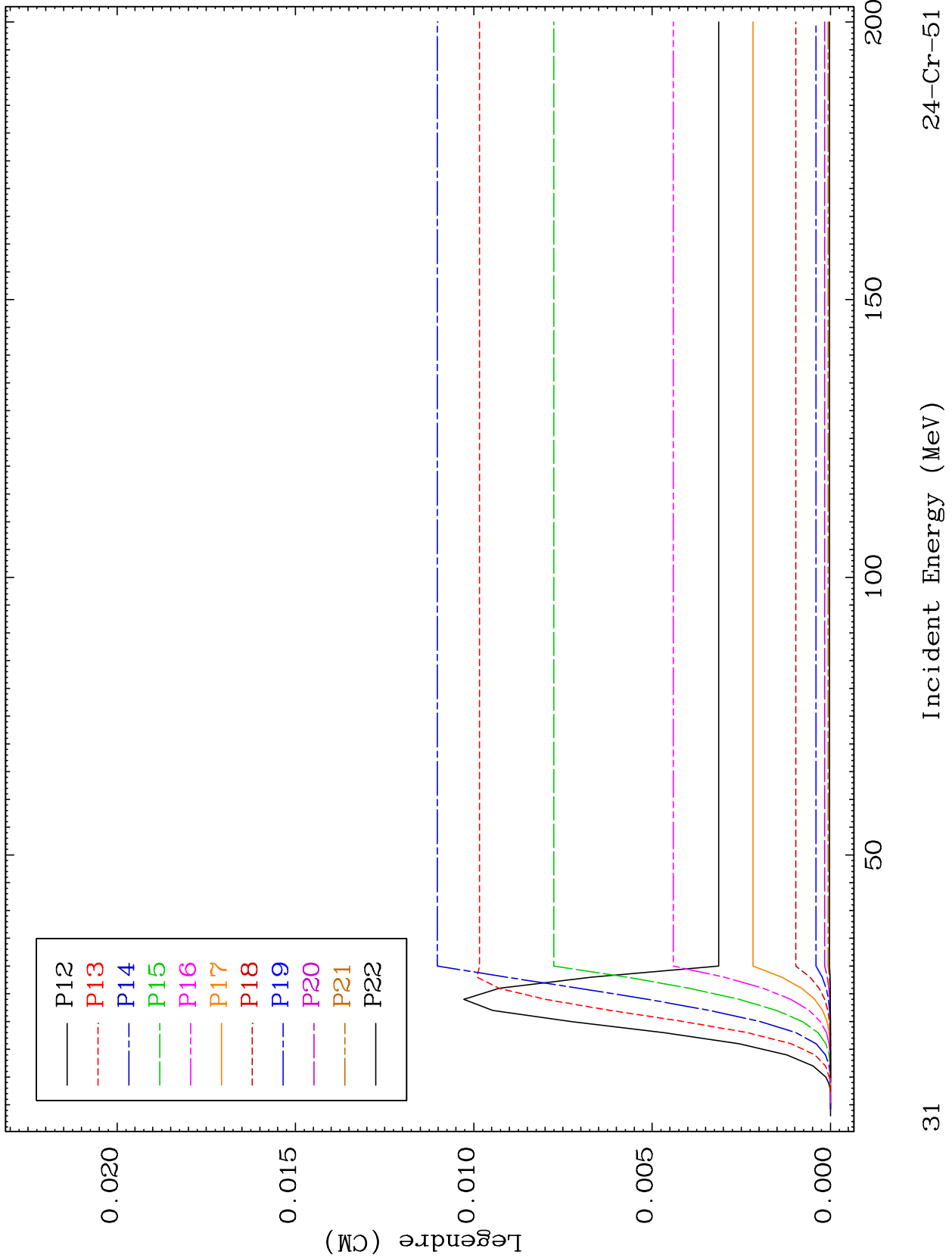
24-Cr-51



29

Incident Energy (MeV)

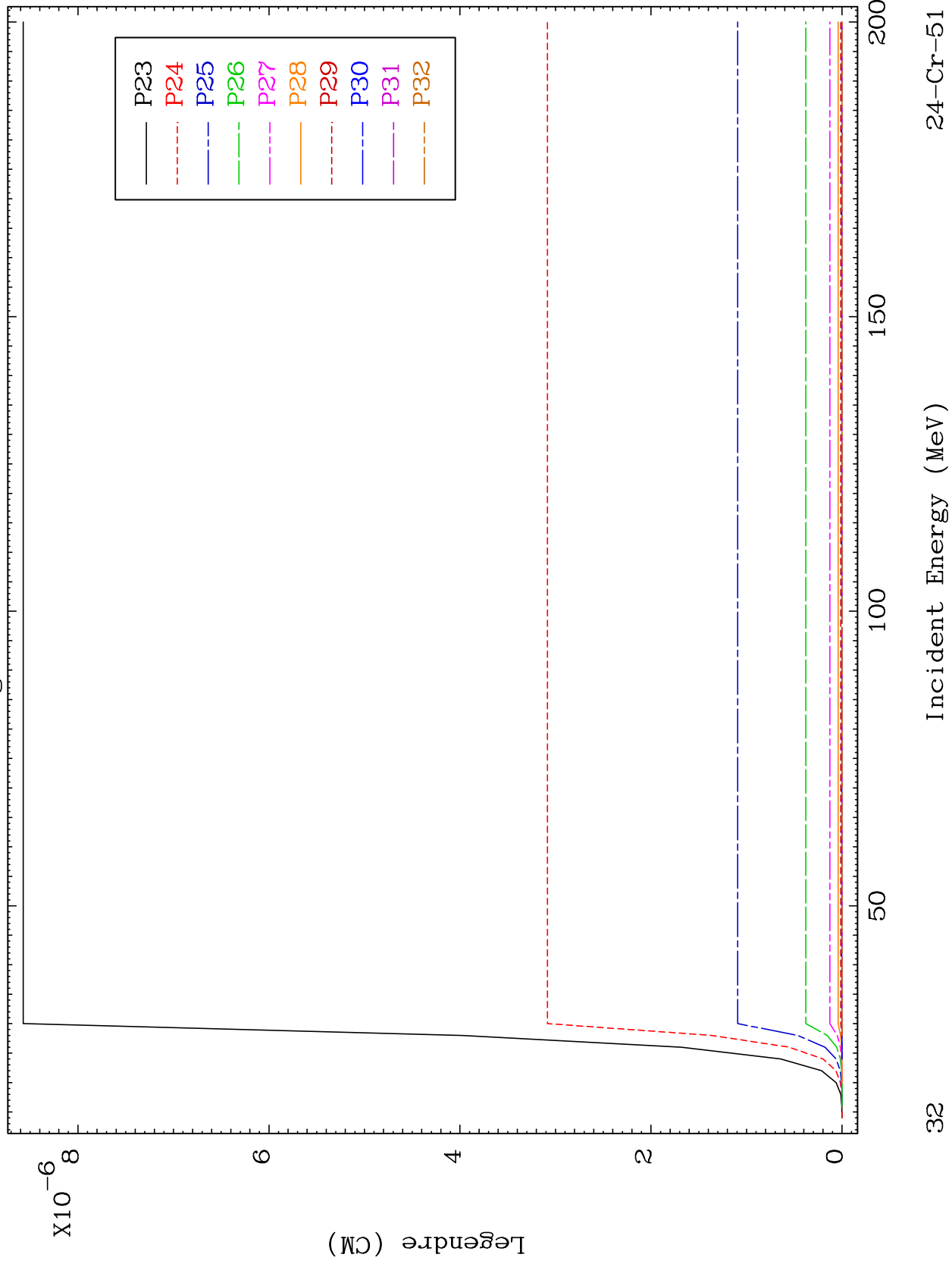
24-Cr-51



MAT 2428

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

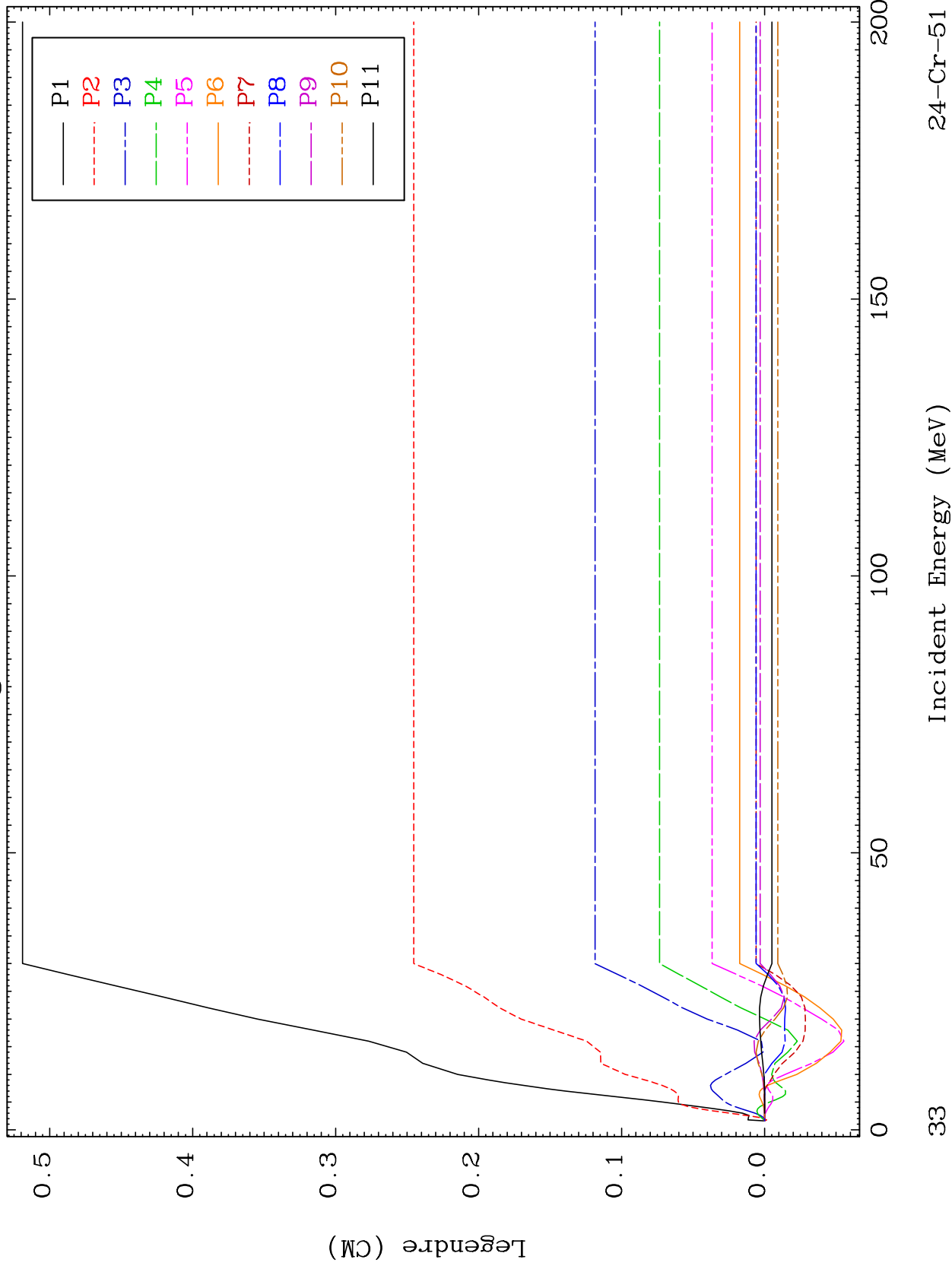
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MAT 2428

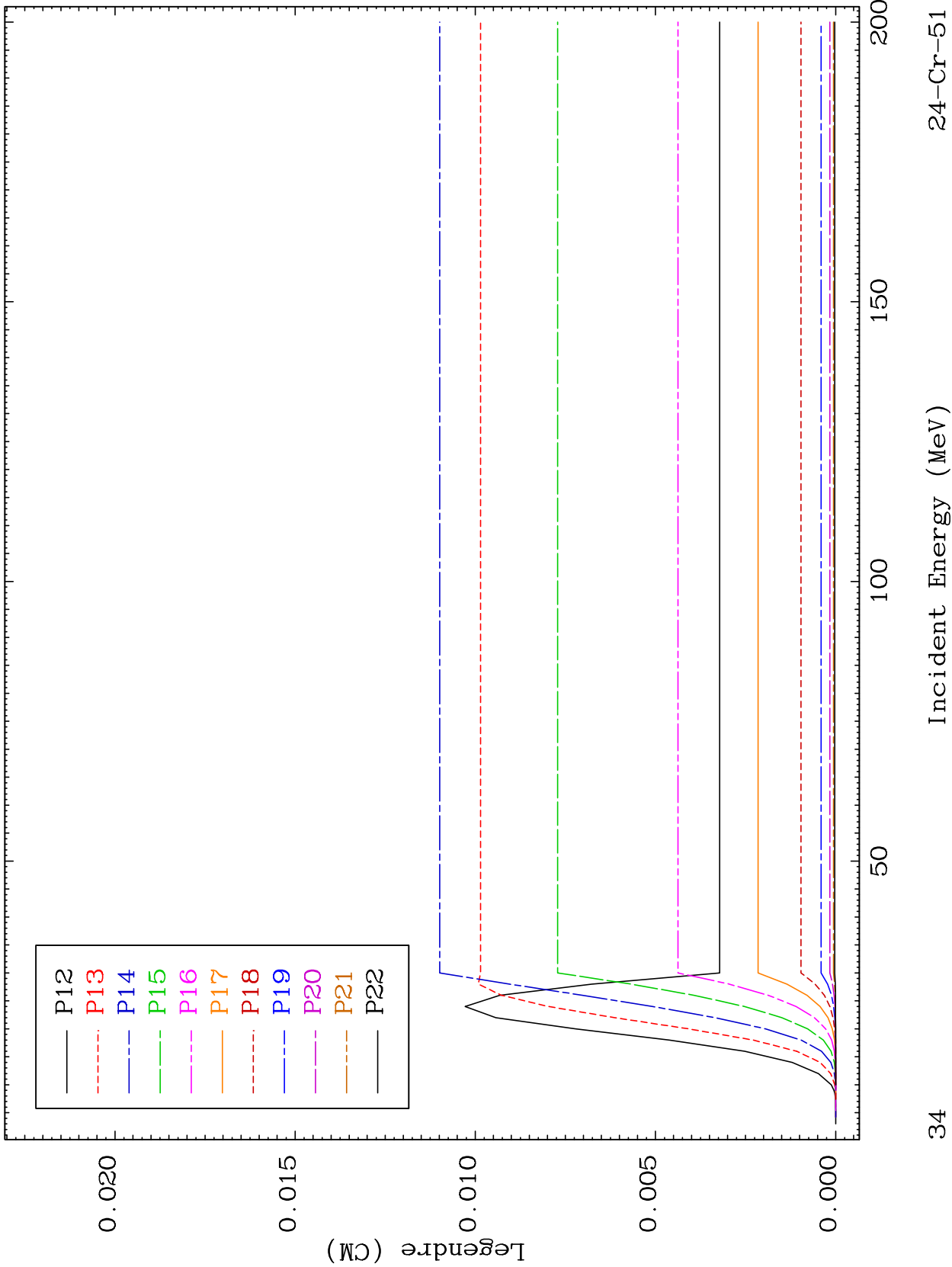
MT= 56 (n,n') Level
Legendre Coefficients

24-Cr-51



33

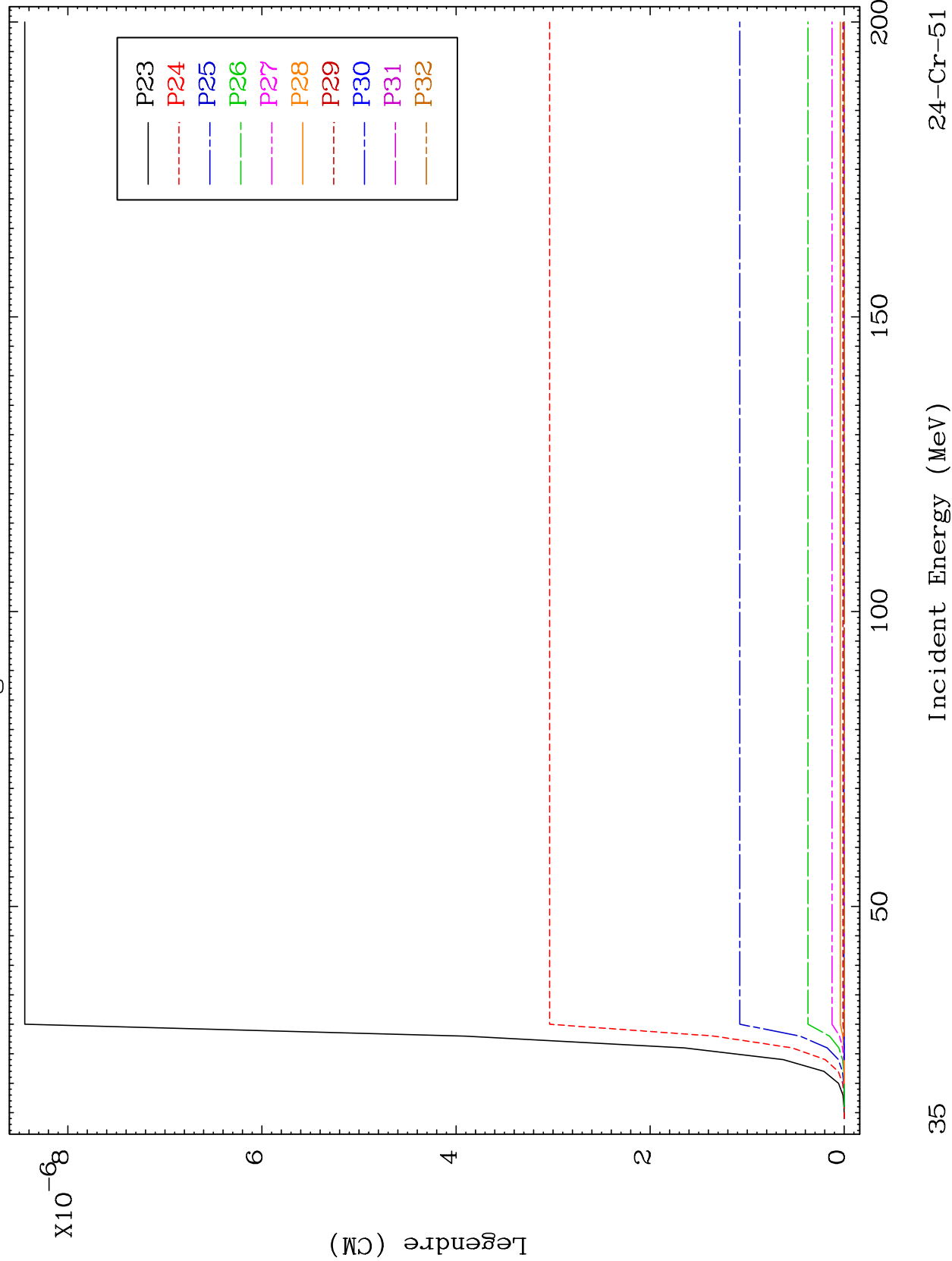
24-Cr-51



MAT 2428

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

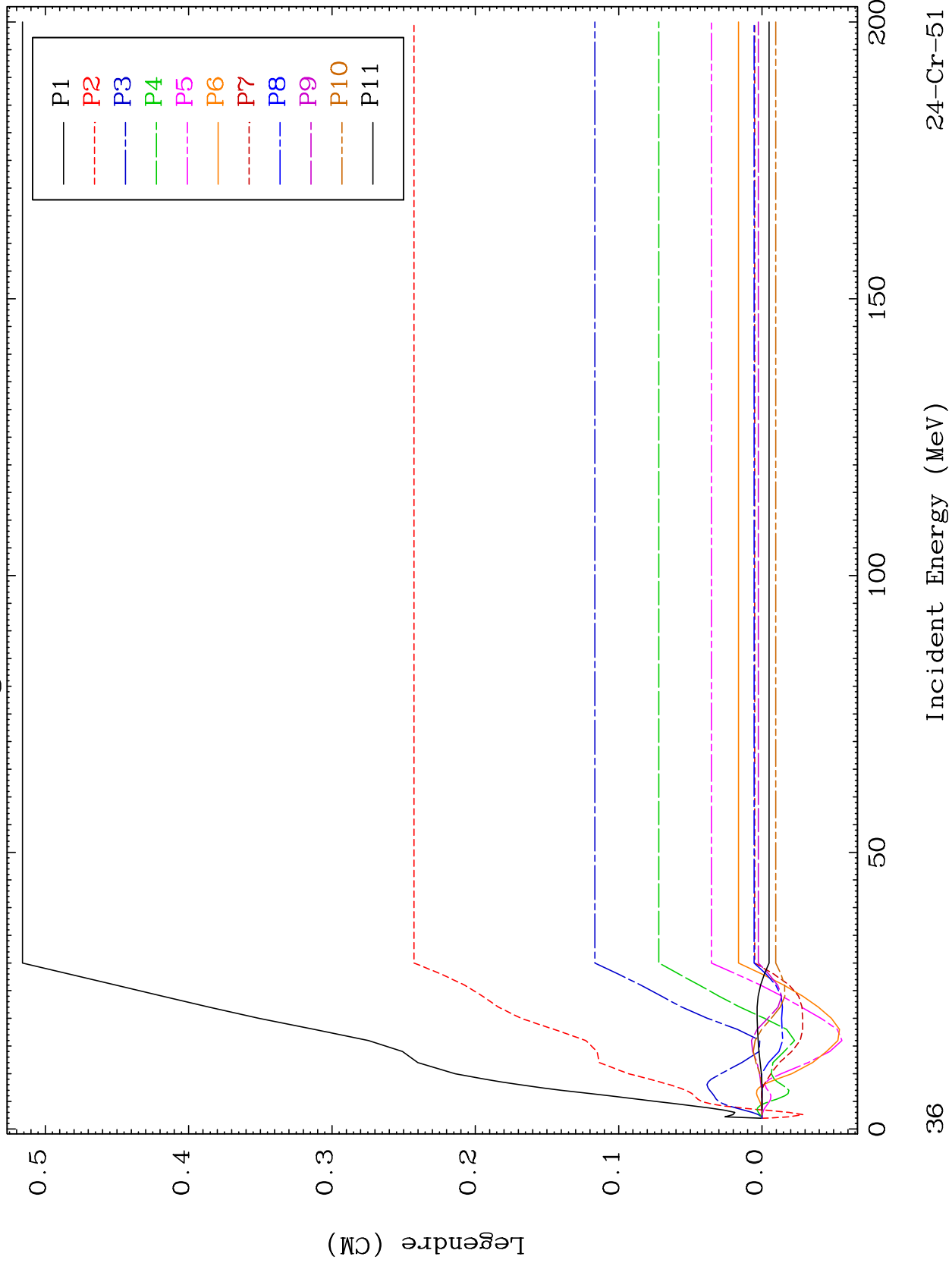
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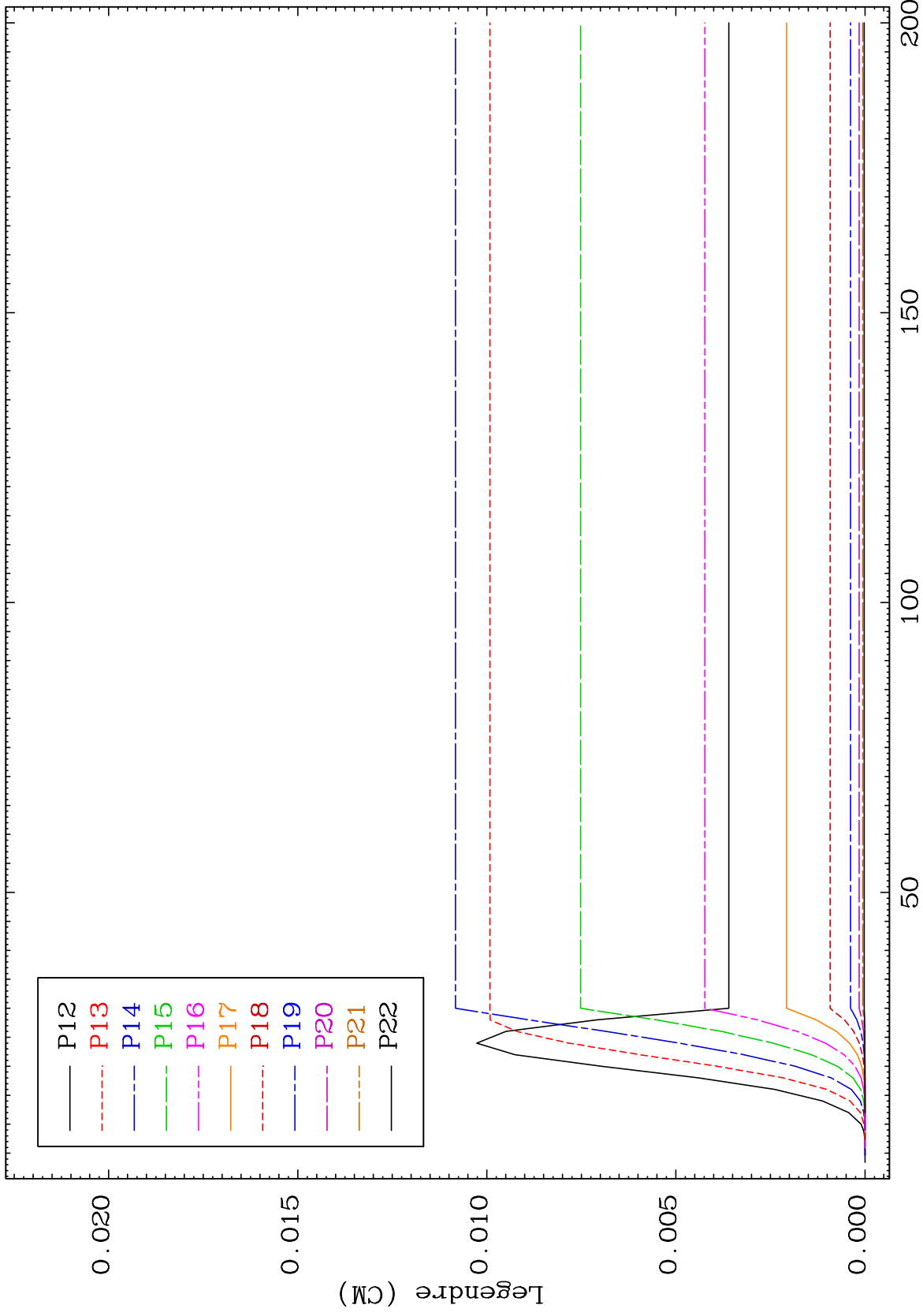


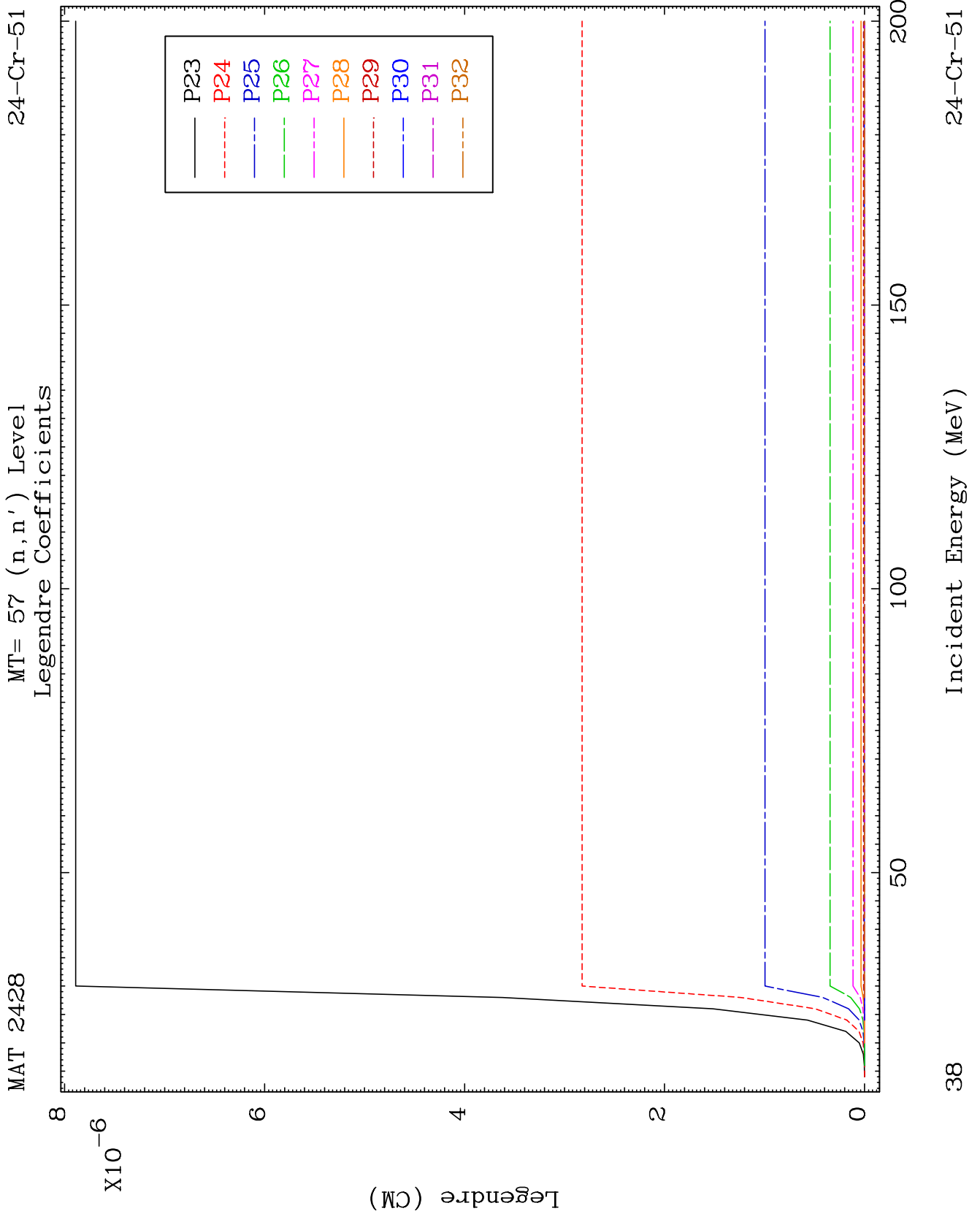
MAT 2428

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

24-Cr-51



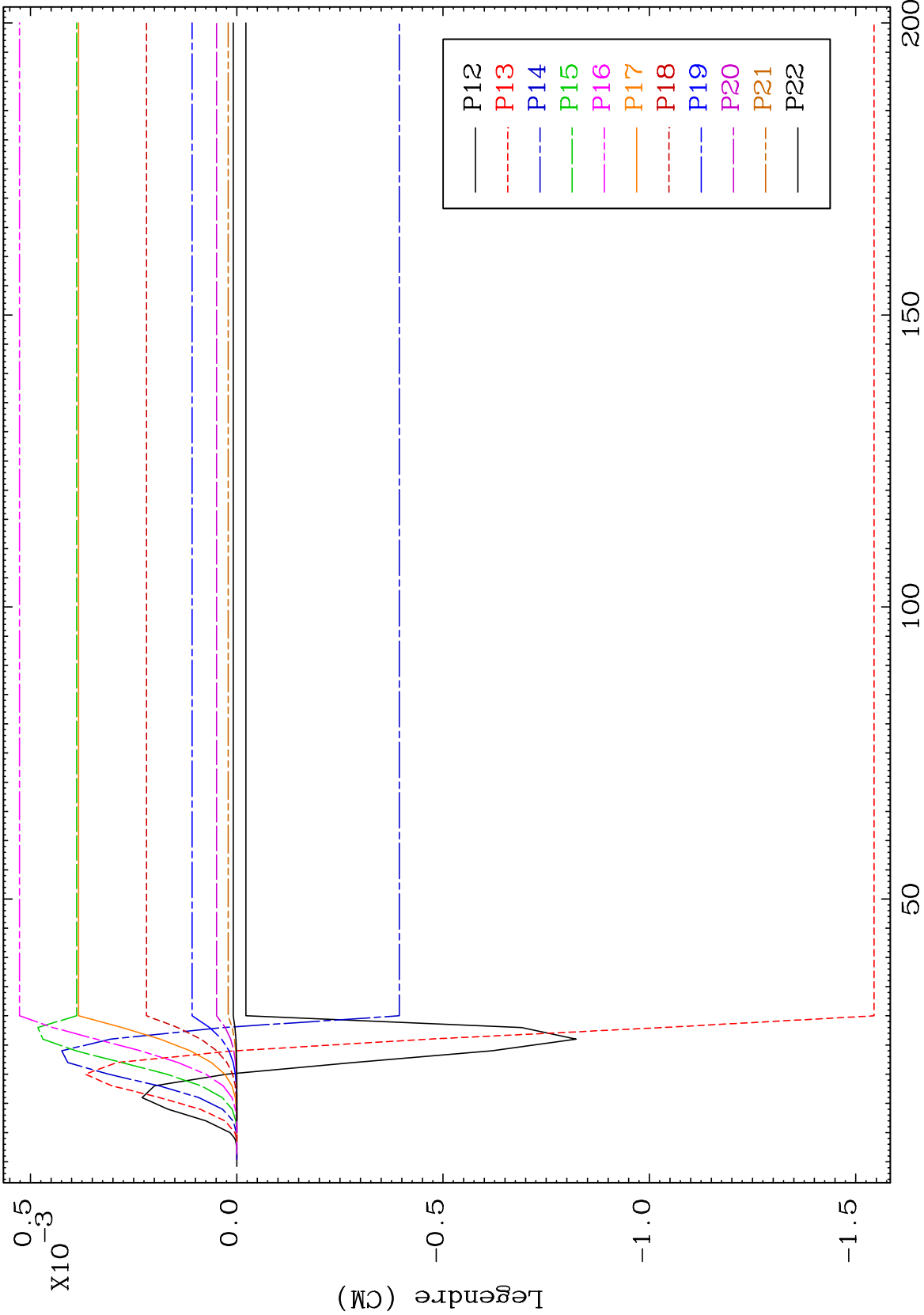




MAT 2428

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

24-Cr-51



40

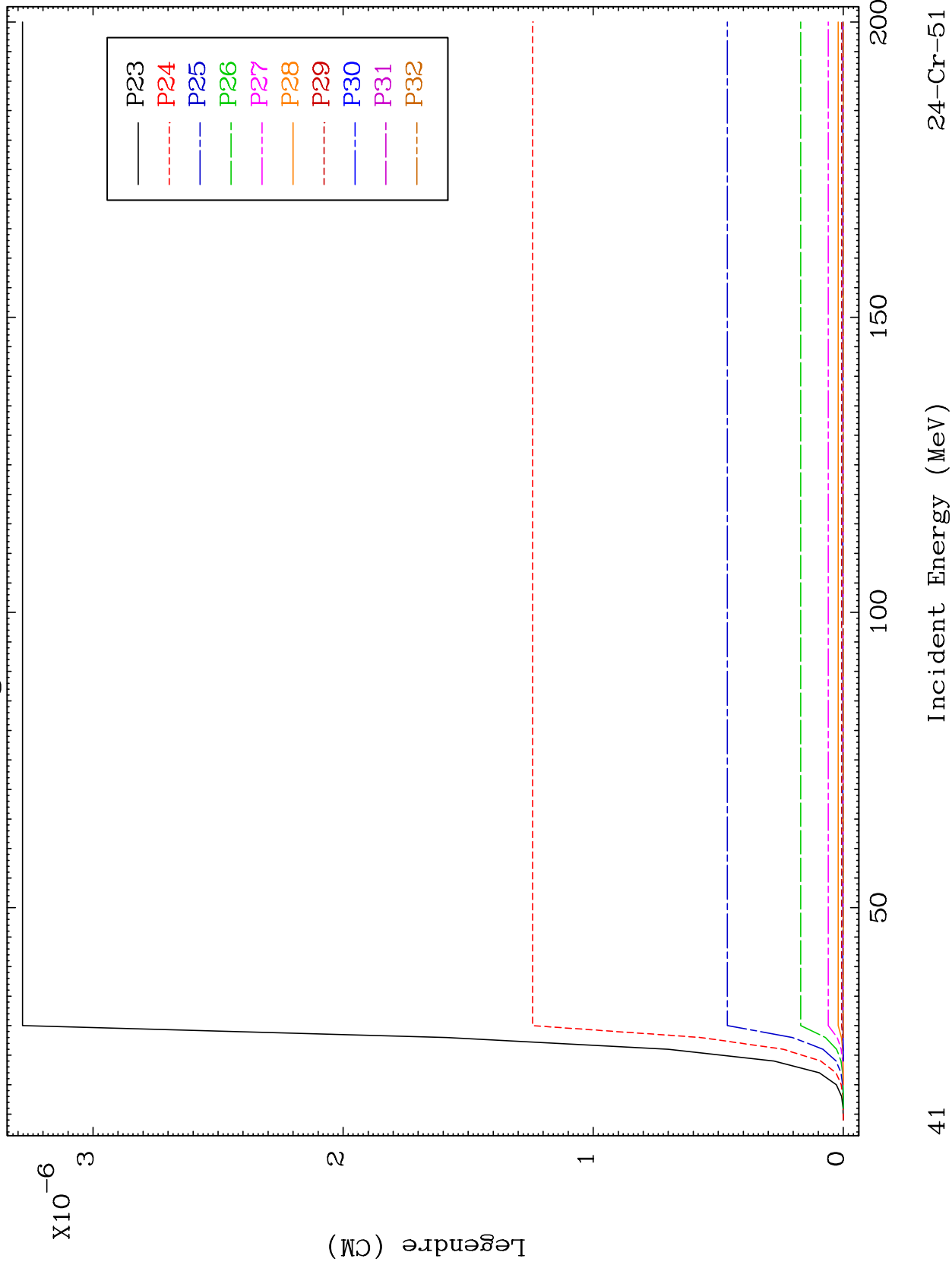
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

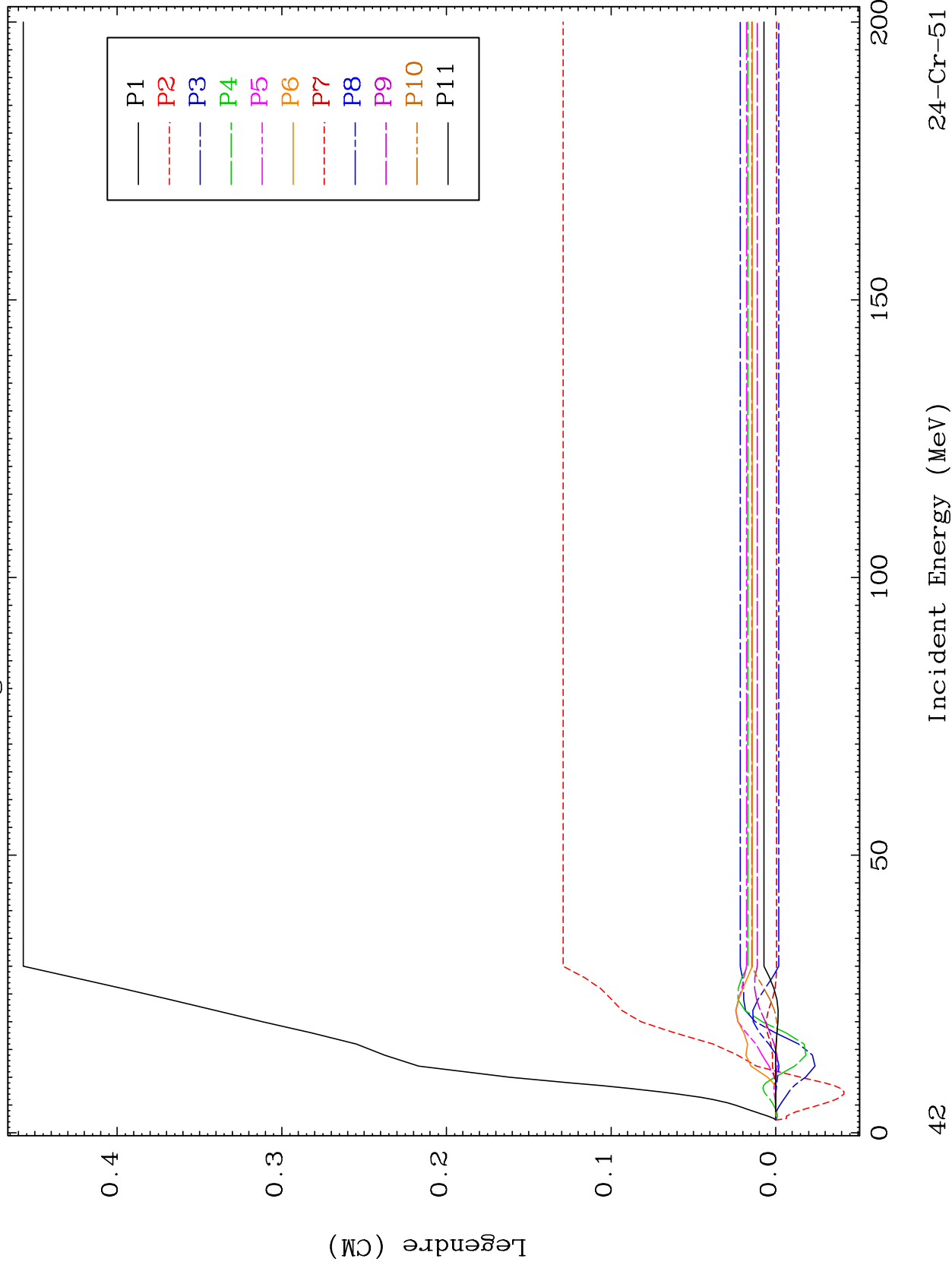
24-Cr-51



MAT 2428

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

24-Cr-51



42

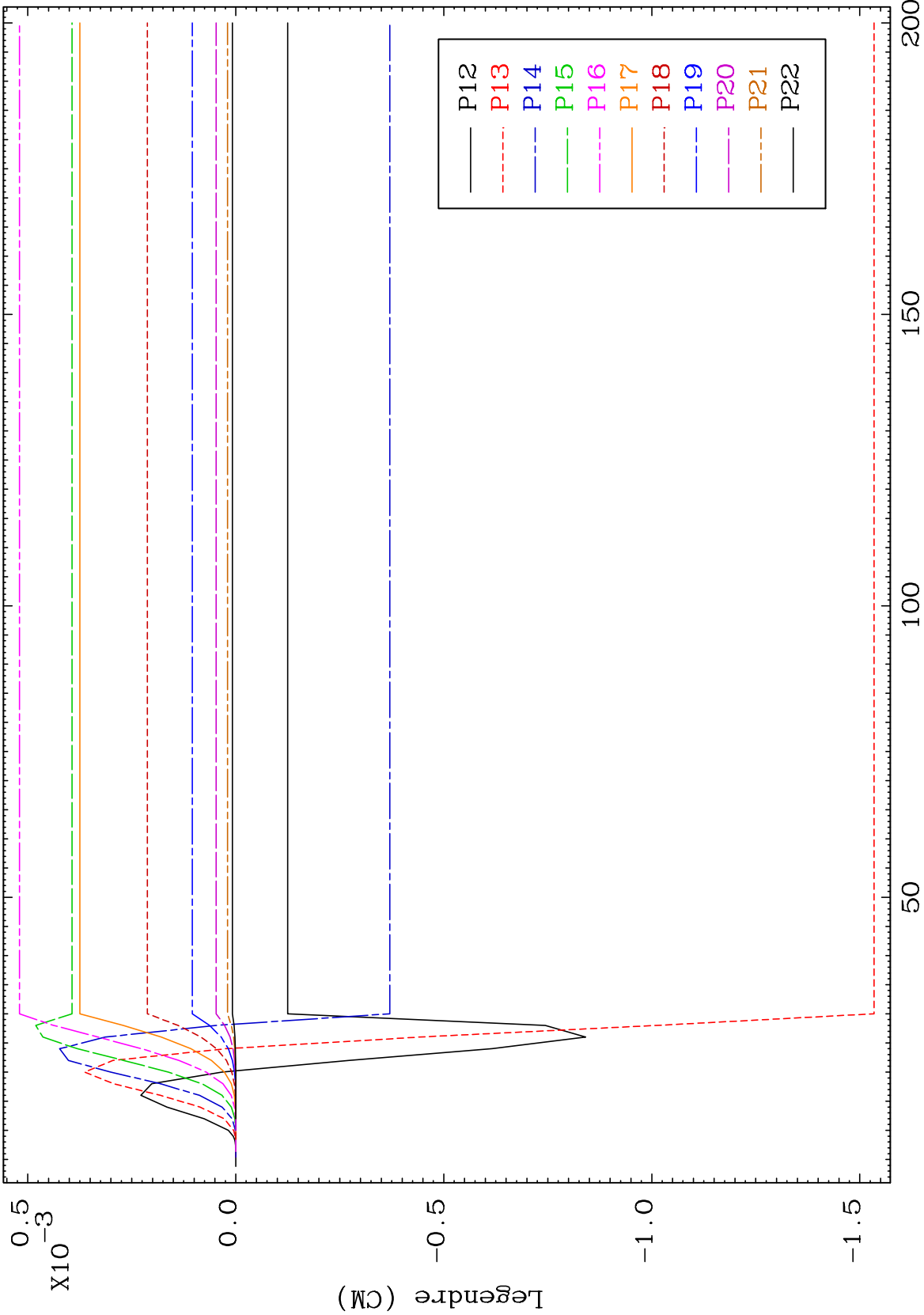
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



43

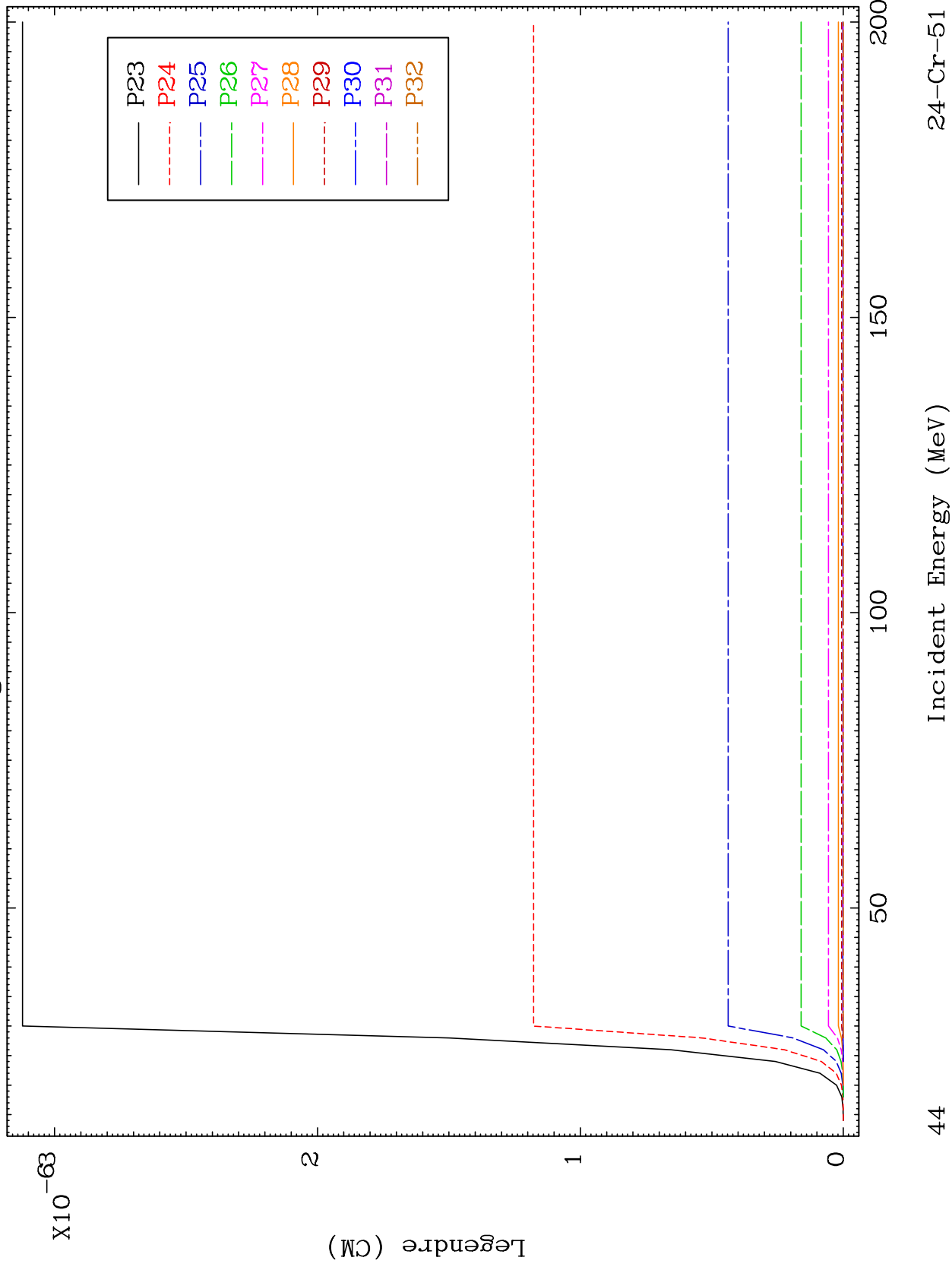
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



44

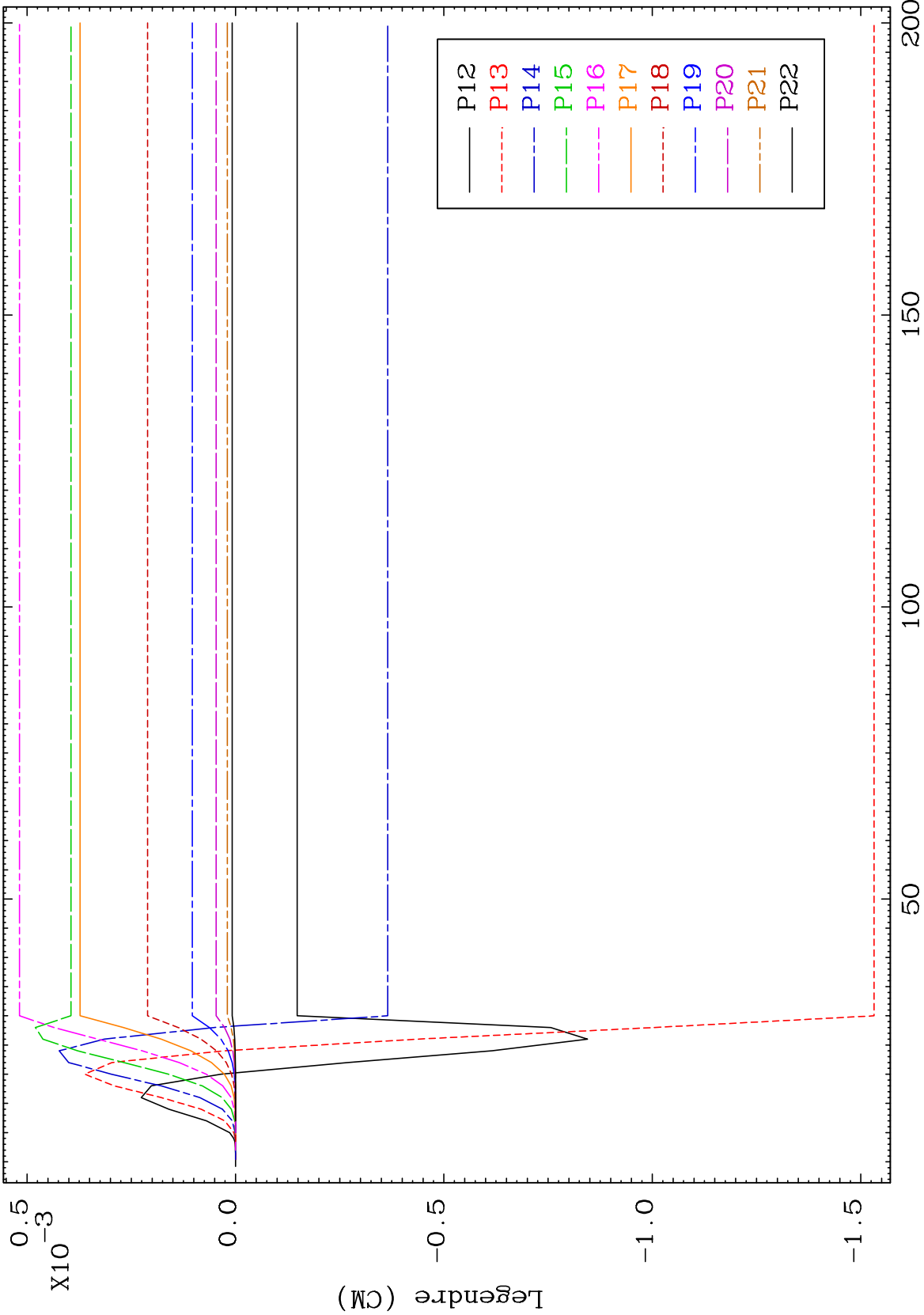
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



46

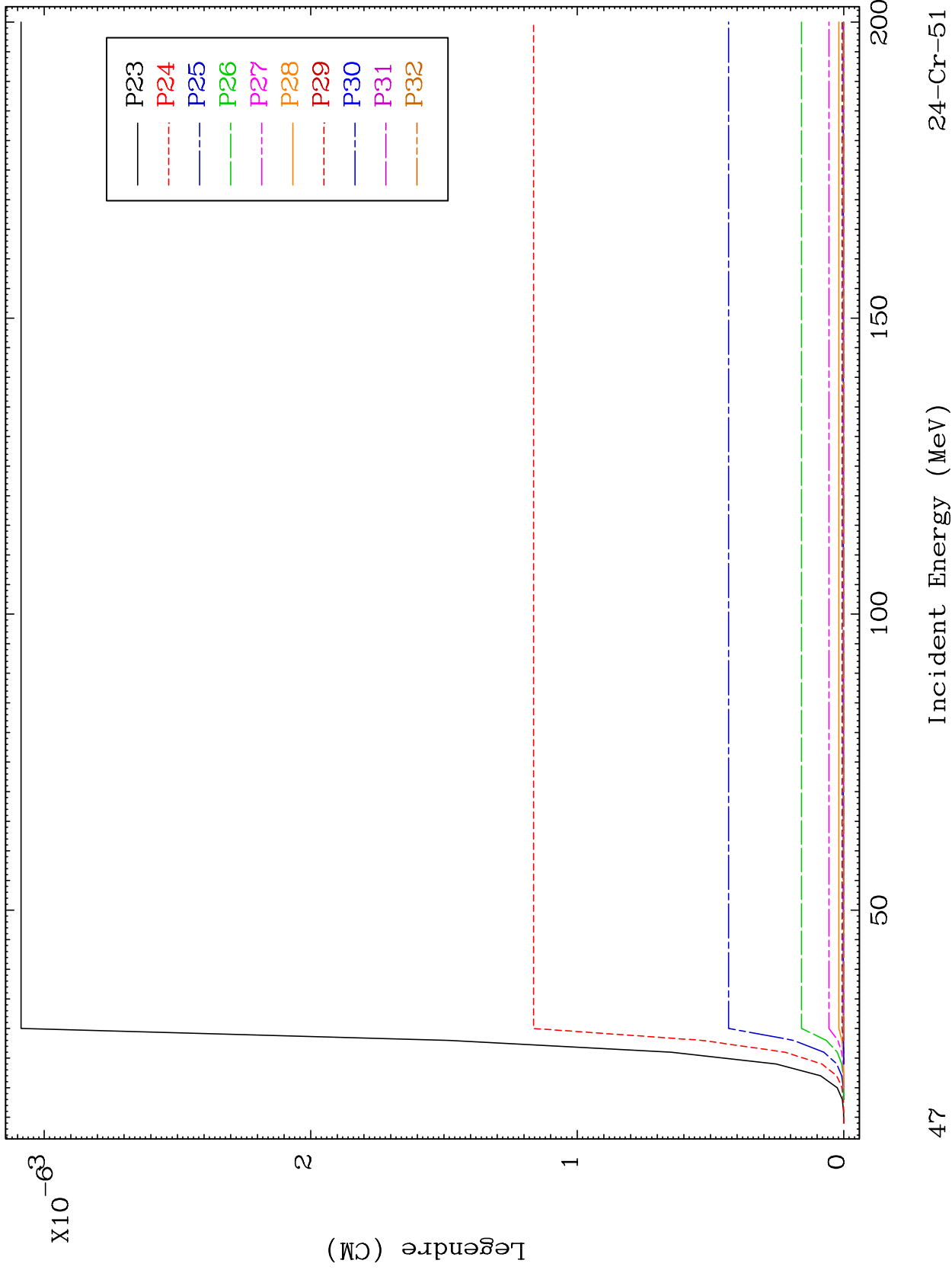
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



47

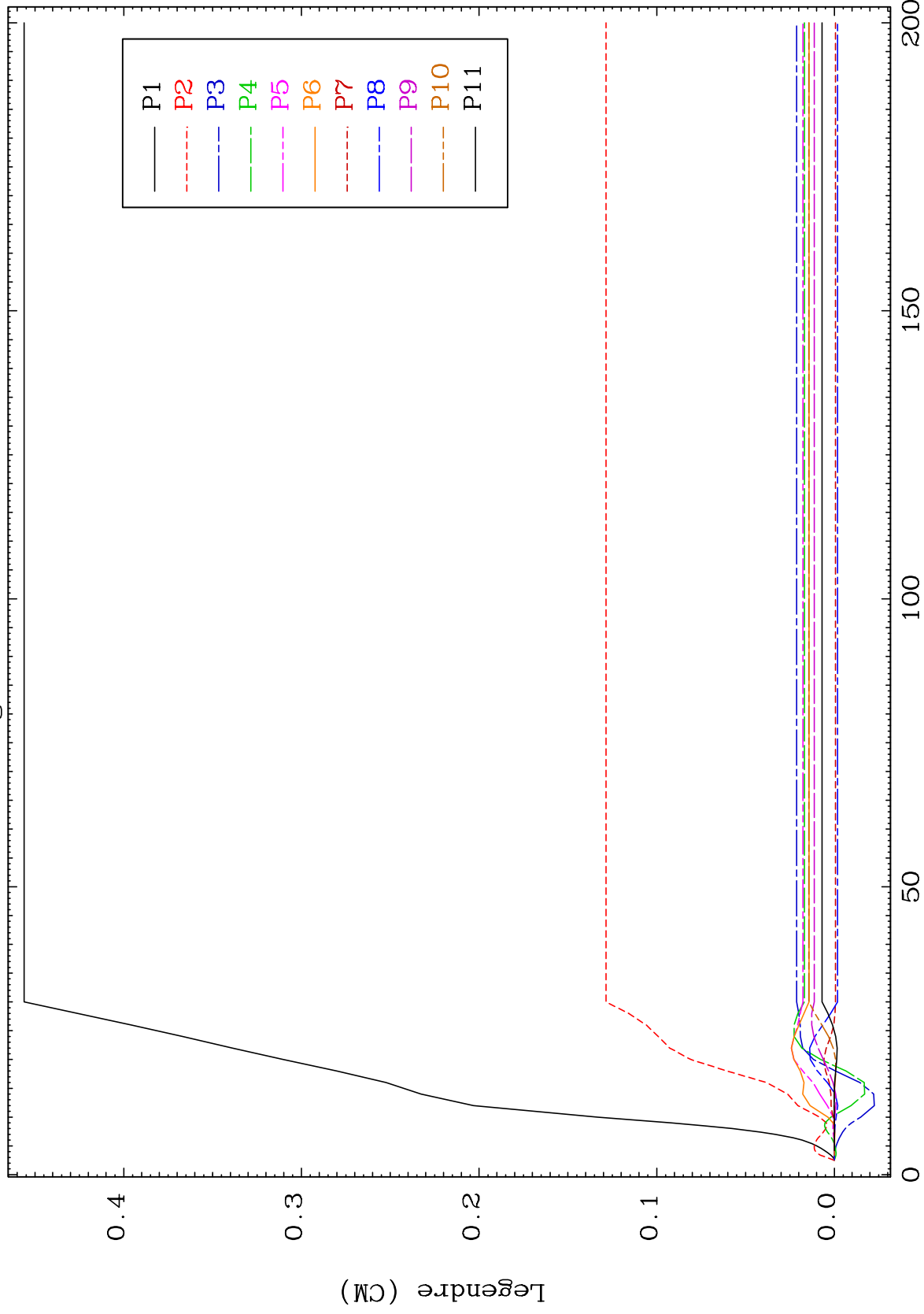
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



24-Cr-51

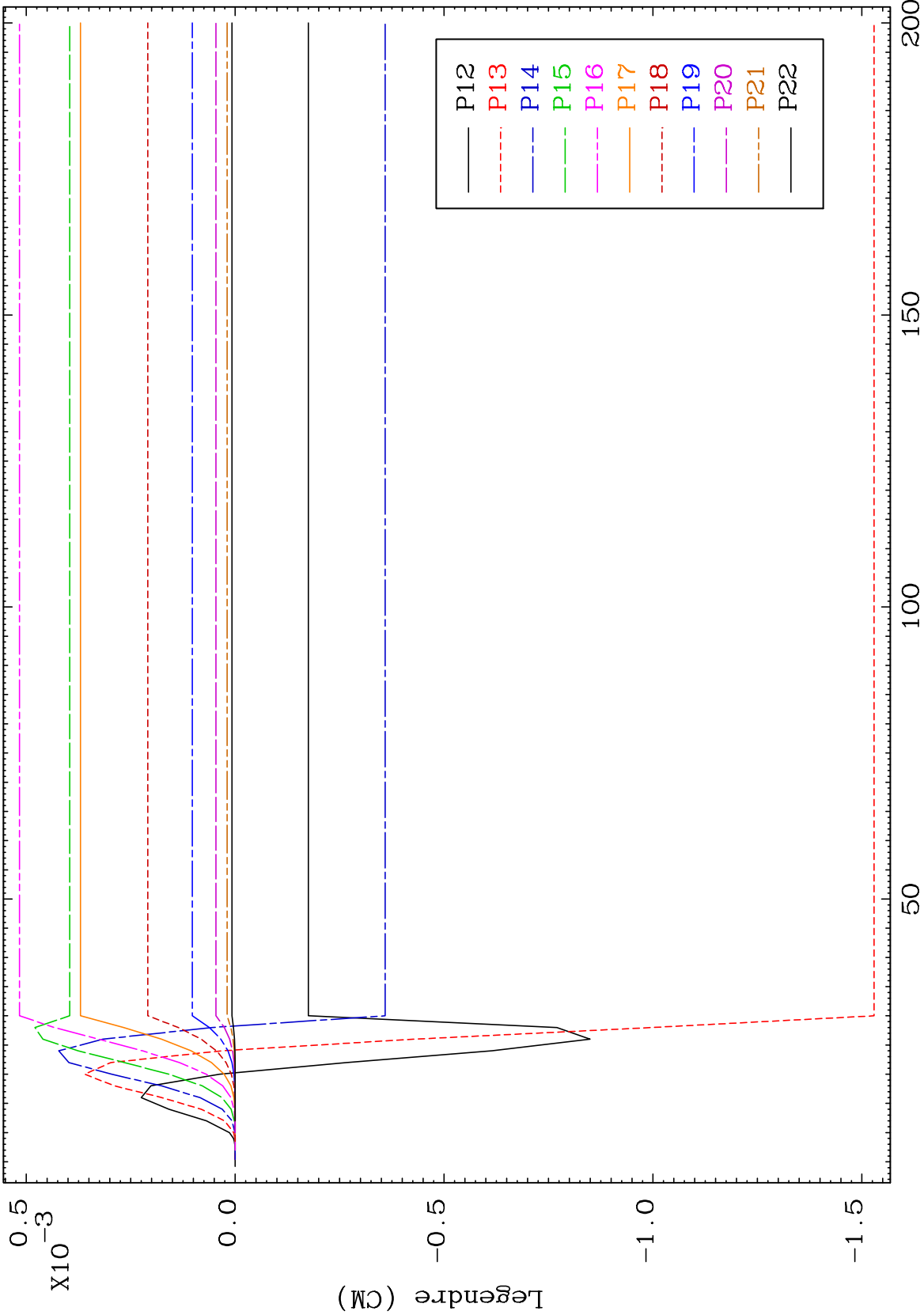
Incident Energy (MeV)

48

MAT 2428

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

24-Cr-51



49

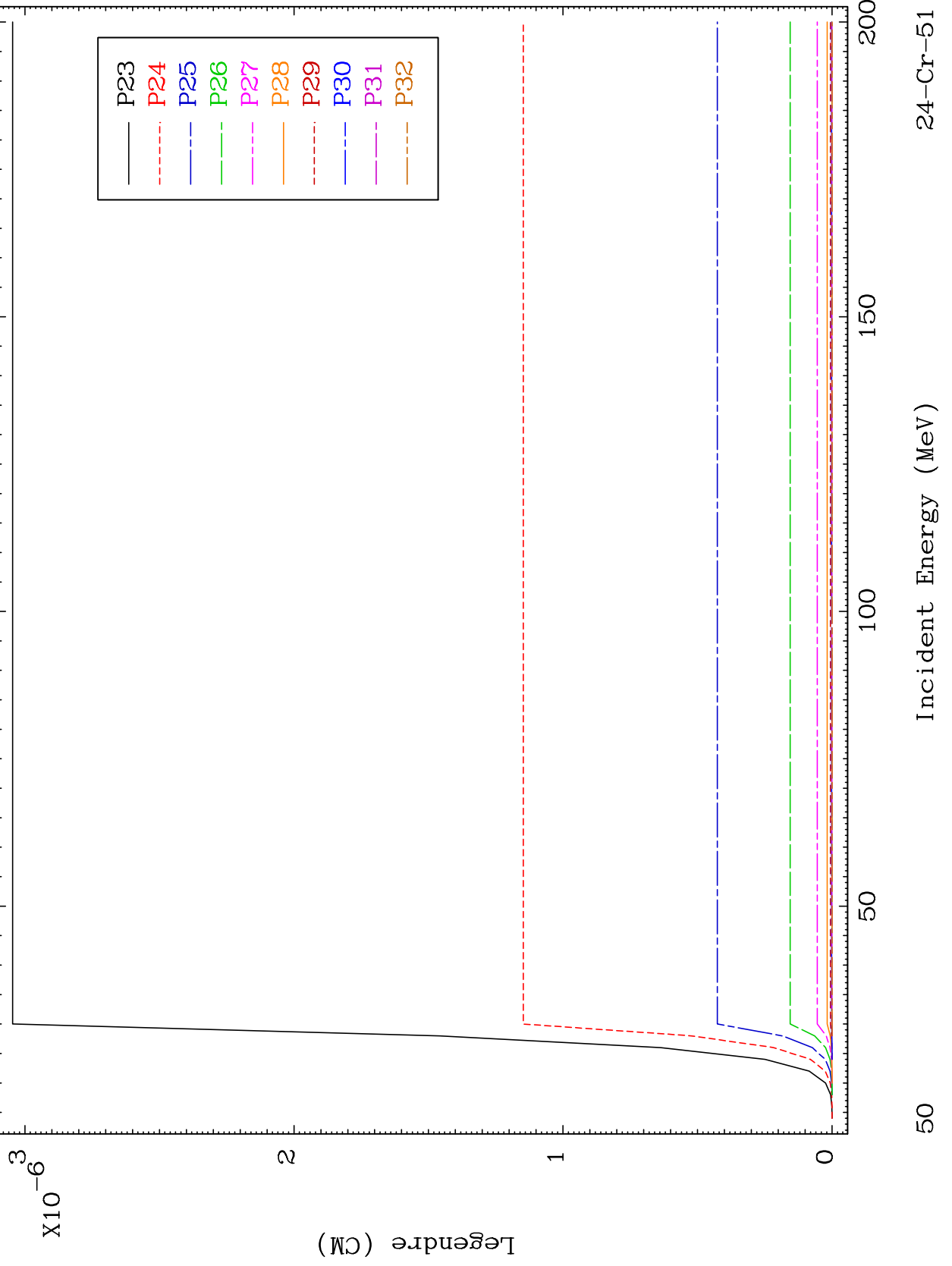
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



24-Cr-51

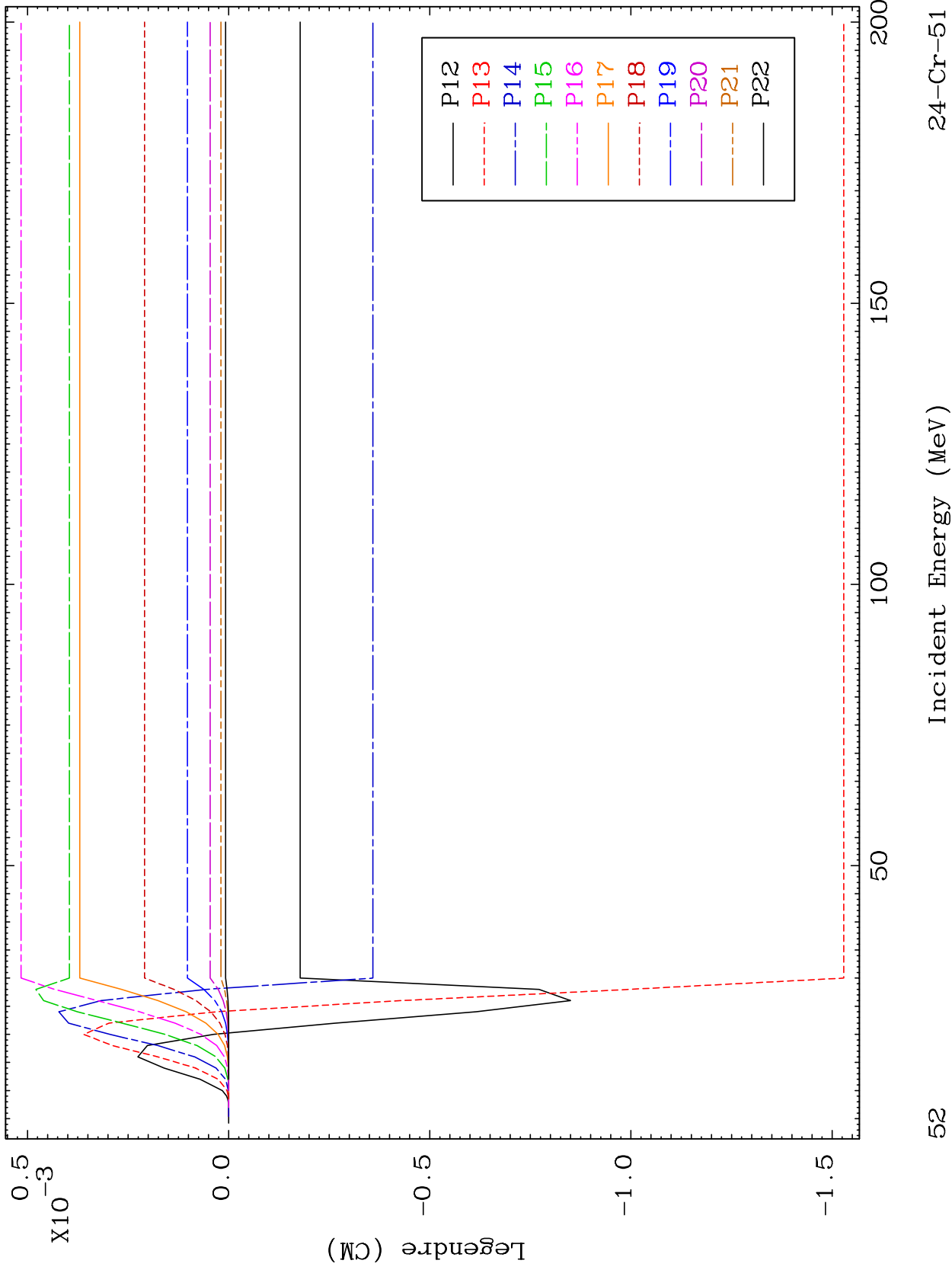
Incident Energy (MeV)

50

MAT 2428

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

24-Cr-51



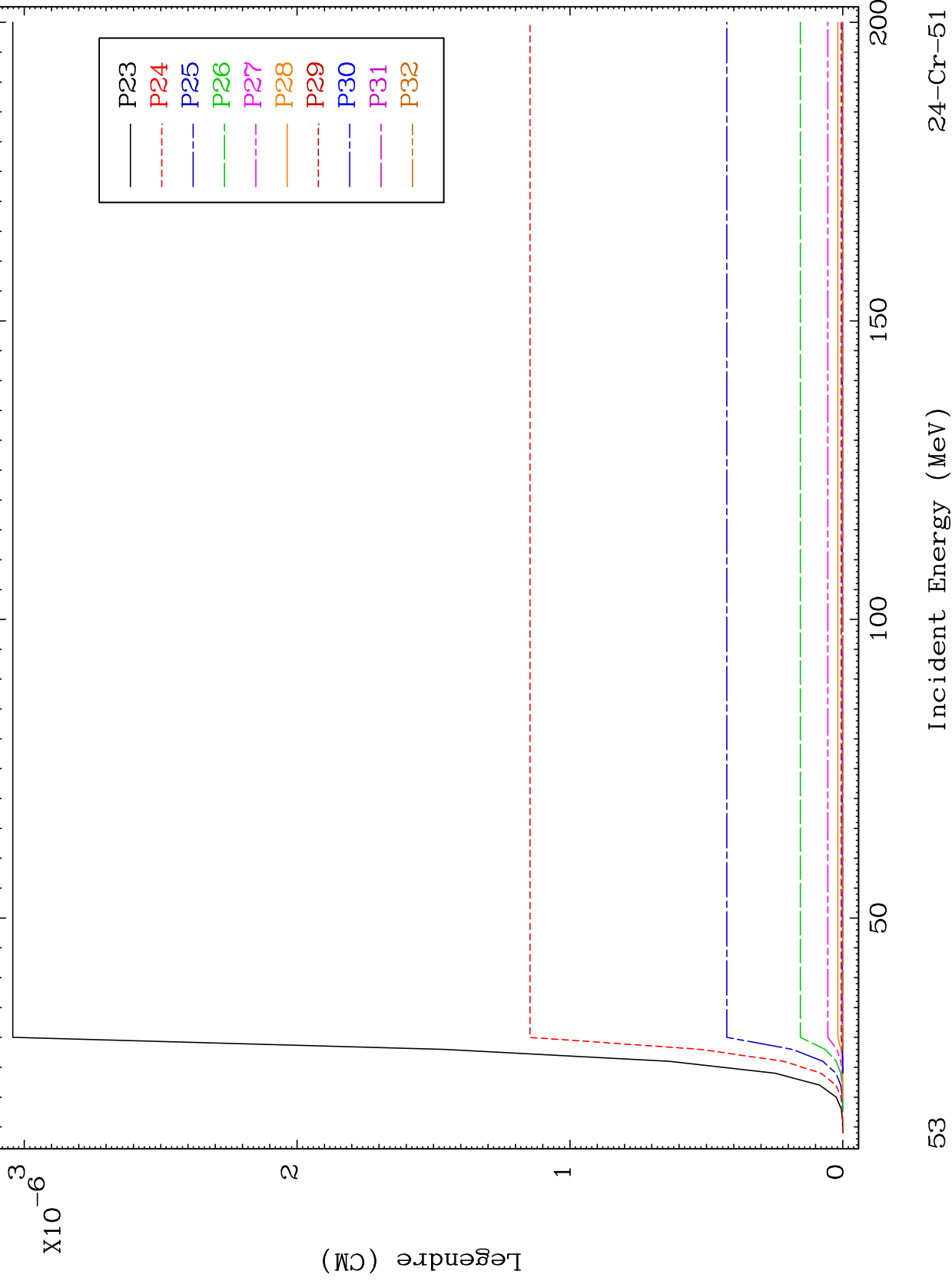
52

24-Cr-51

MAT 2428

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

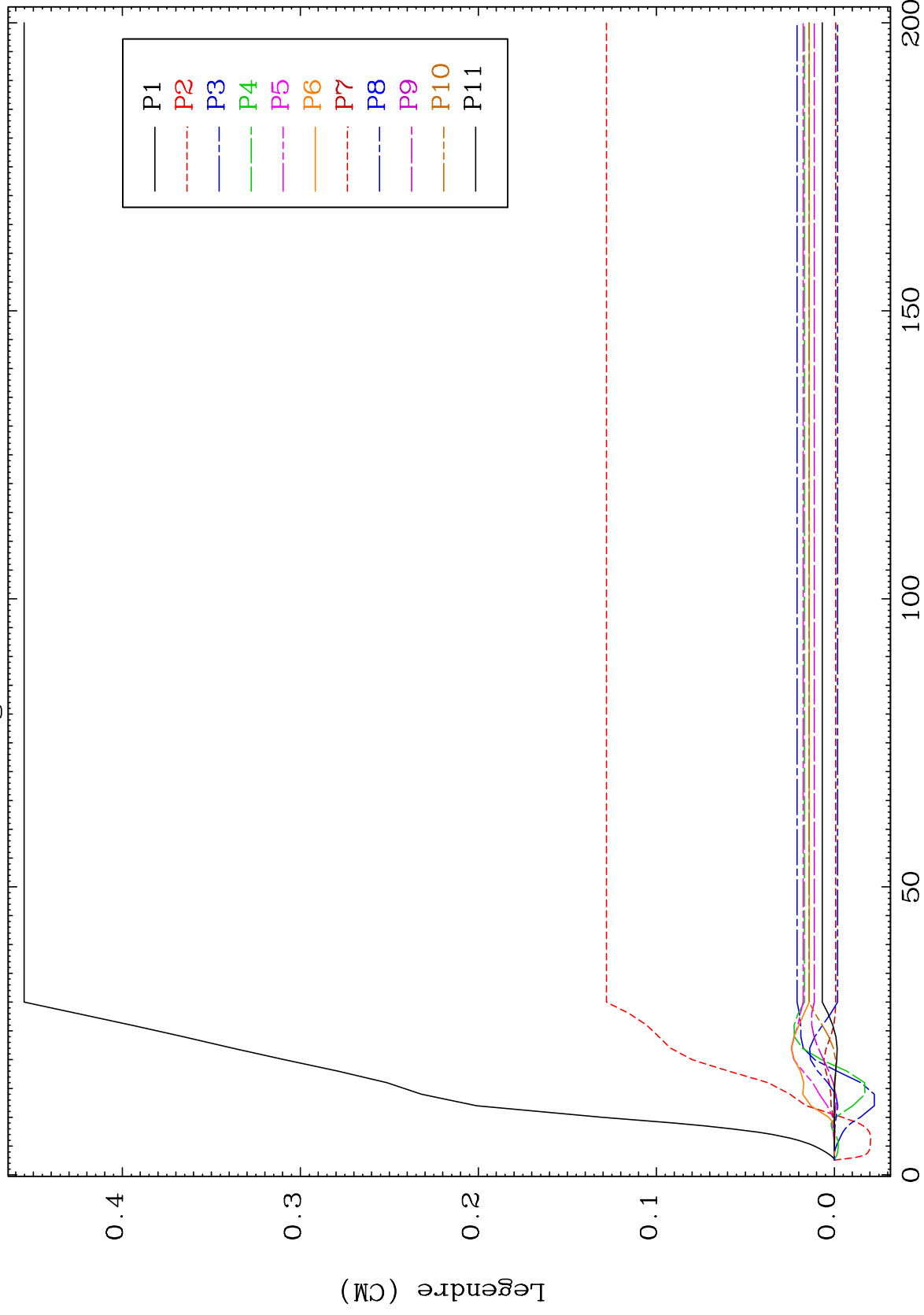
24-Cr-51



MAT 2428

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

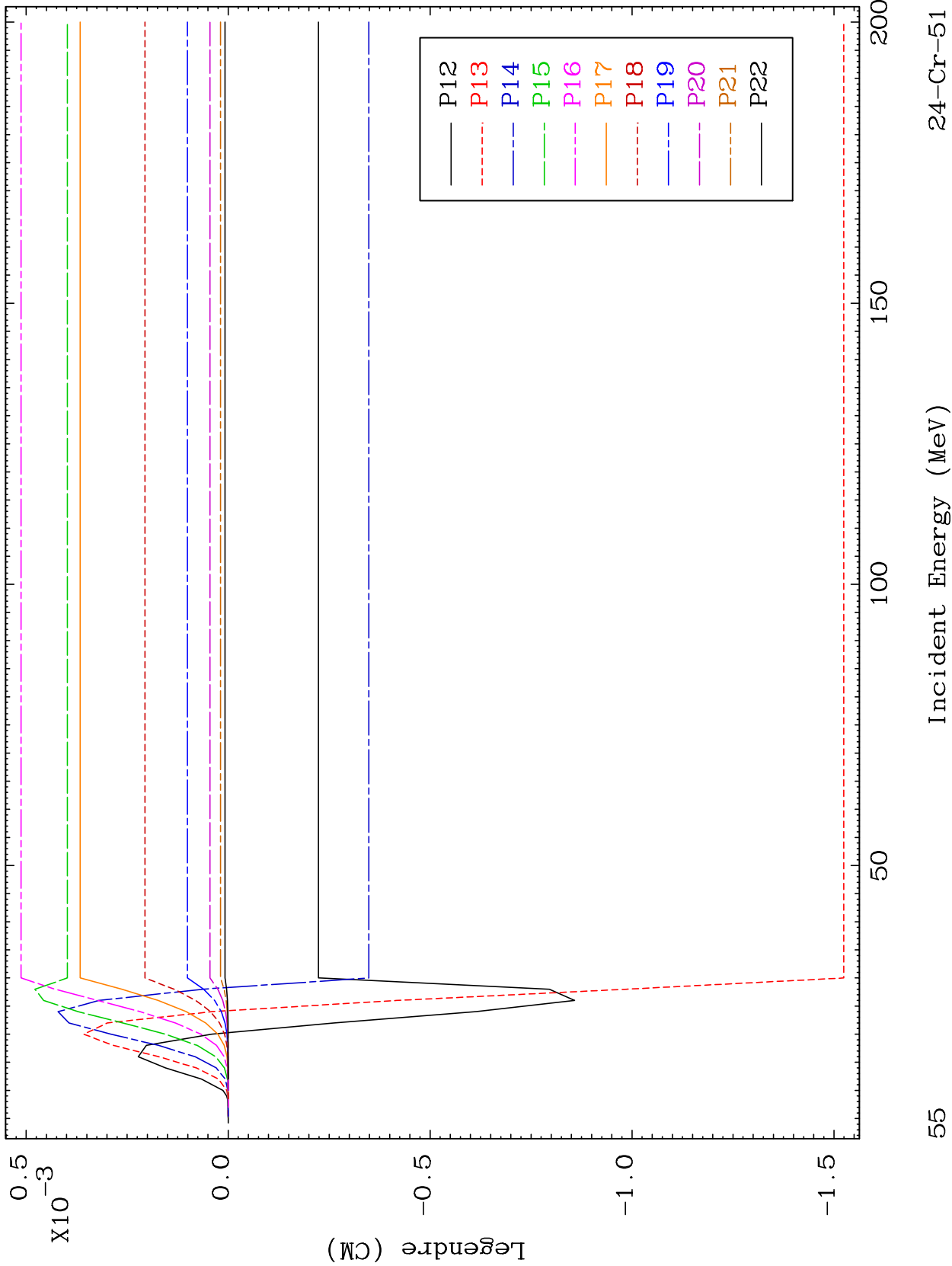
24-Cr-51



54

Incident Energy (MeV)

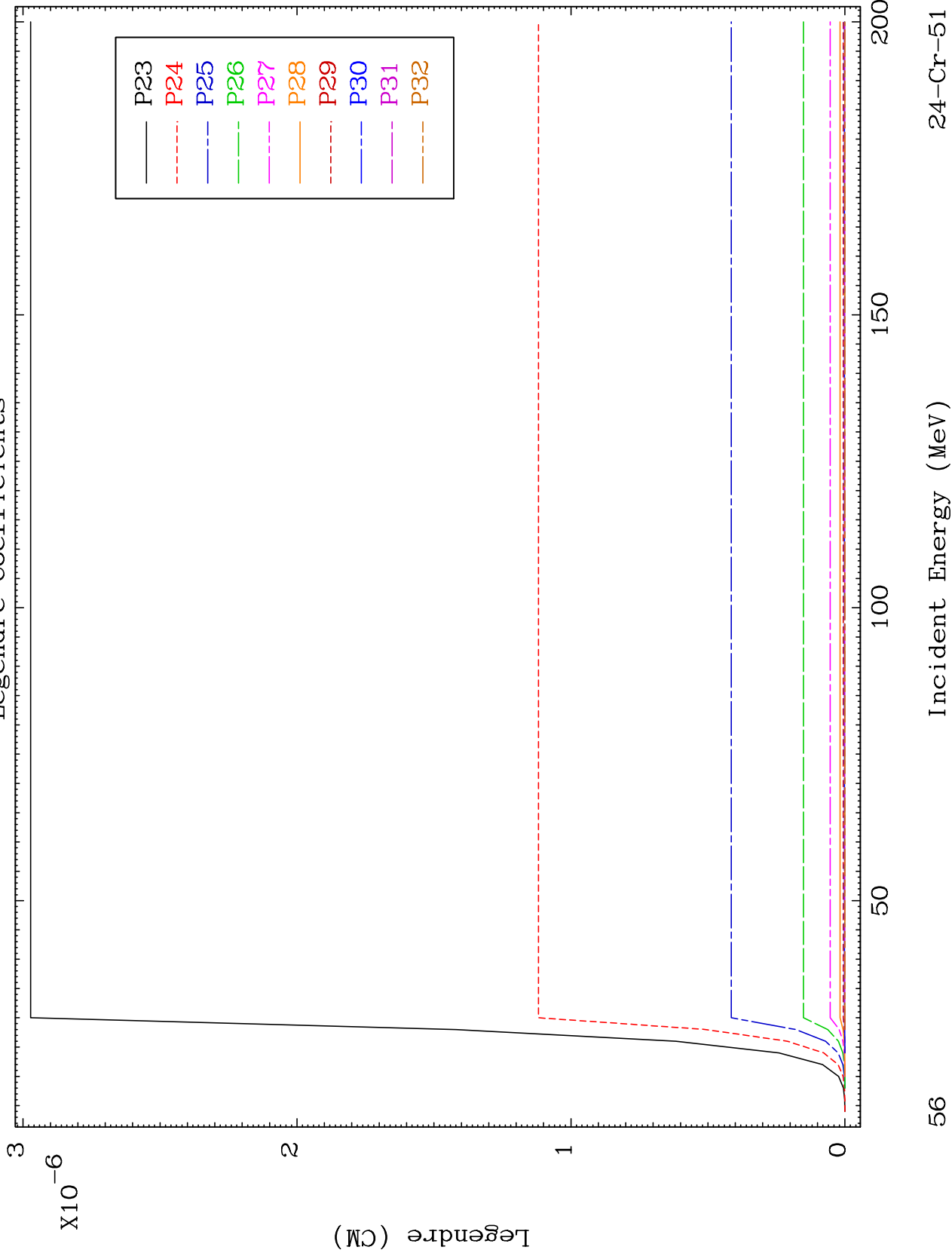
24-Cr-51



MAT 2428

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

24-Cr-51



56

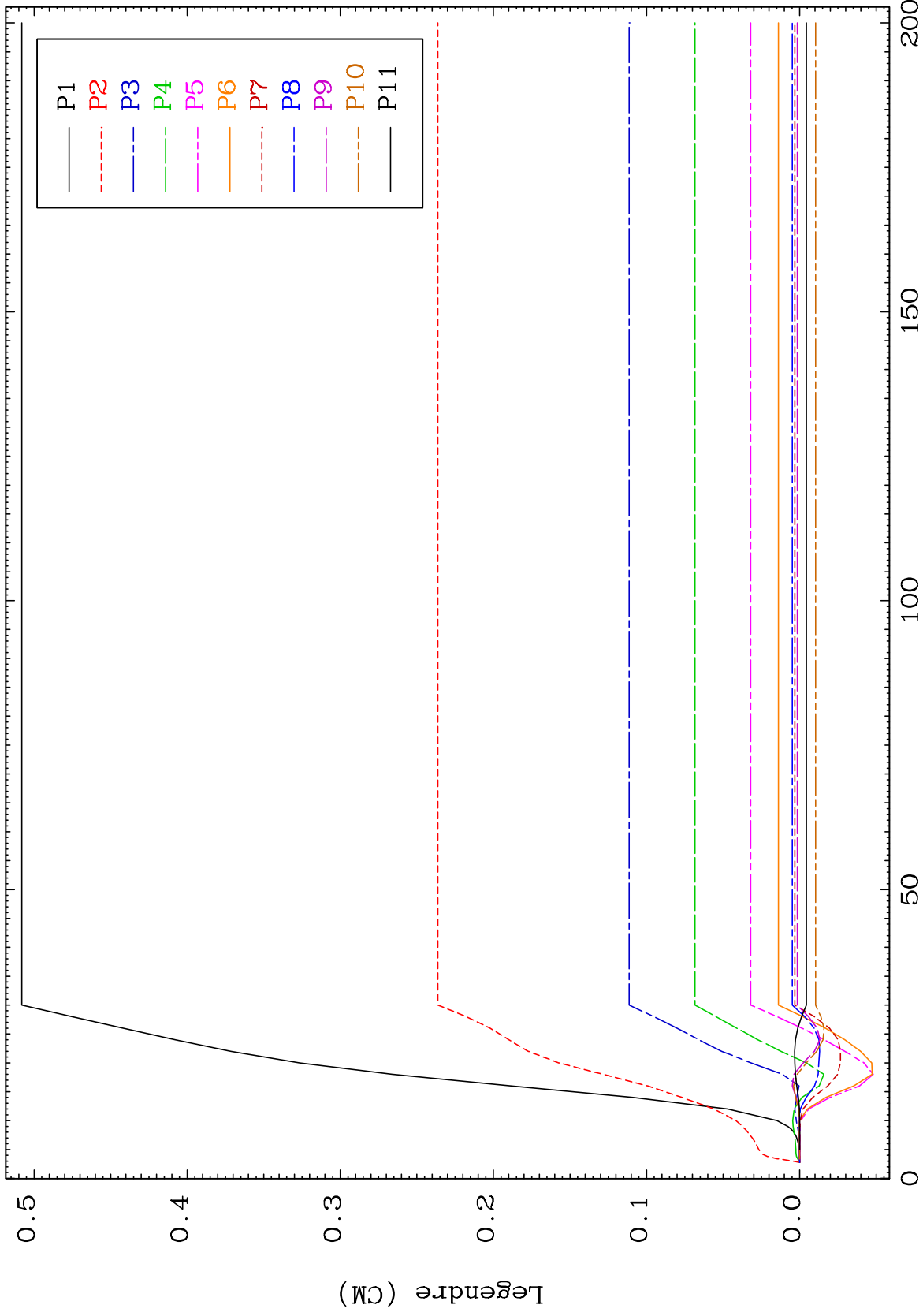
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

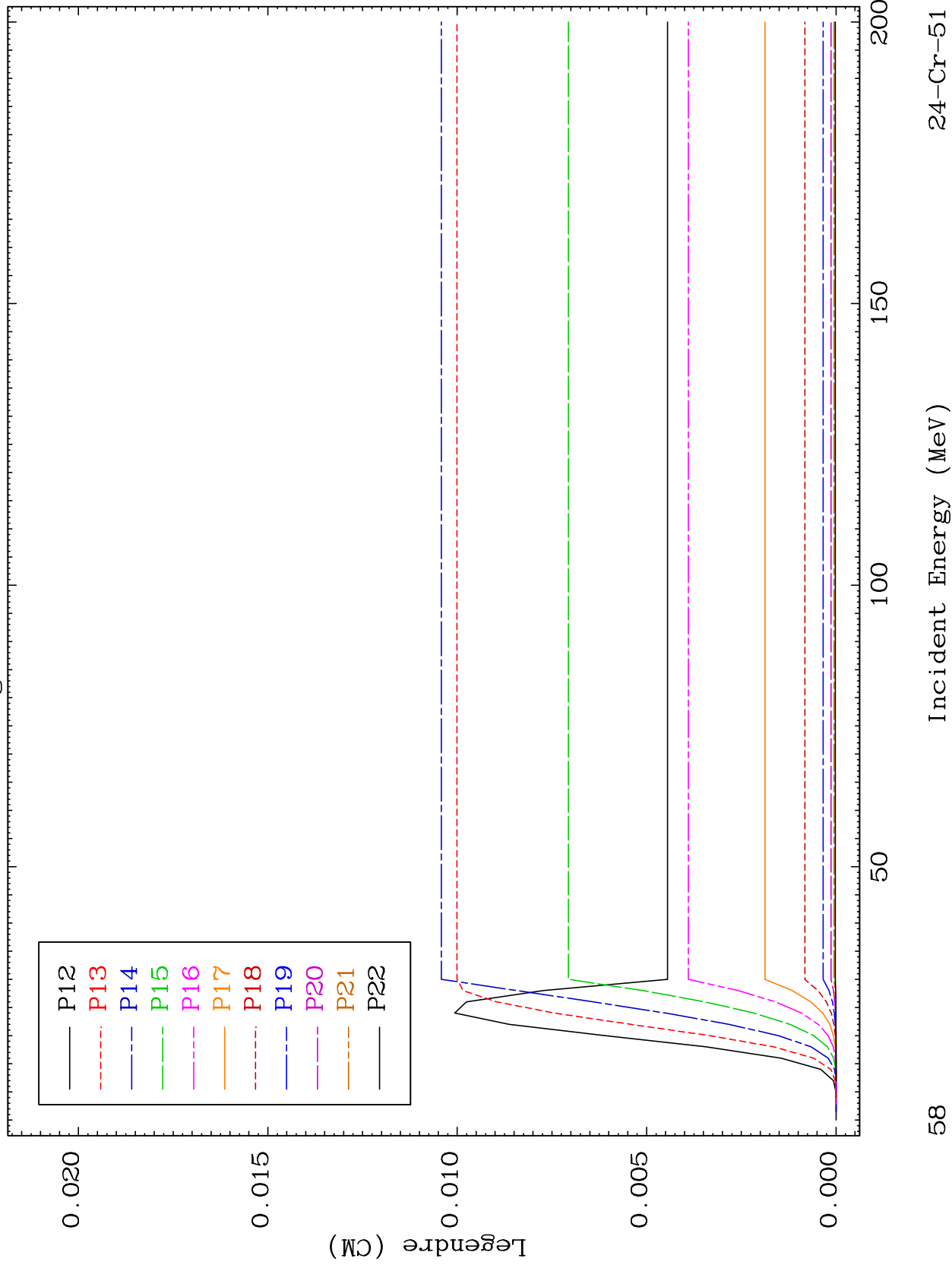
24-Cr-51



57

Incident Energy (MeV)

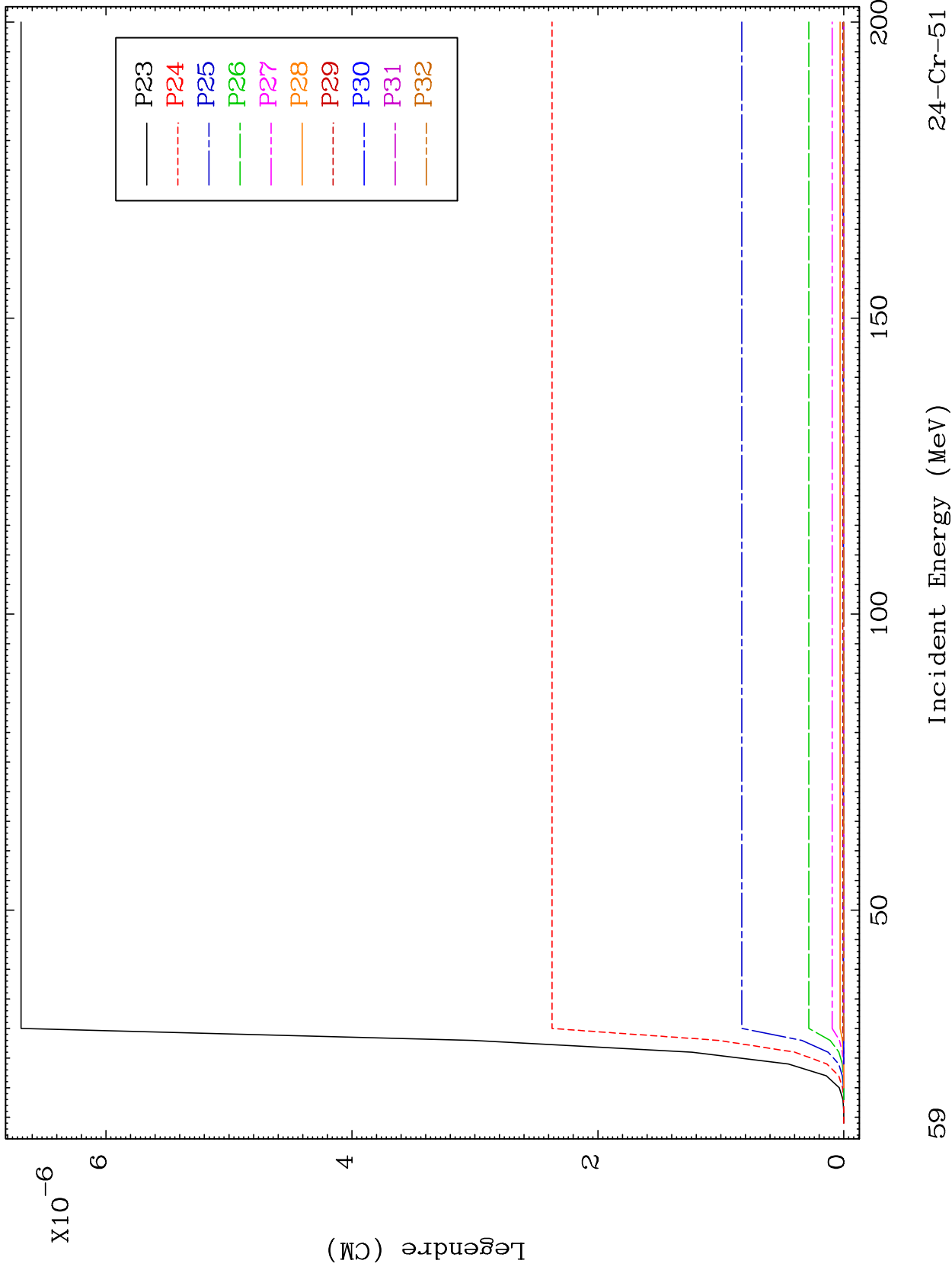
24-Cr-51



MAT 2428

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

24-Cr-51



59

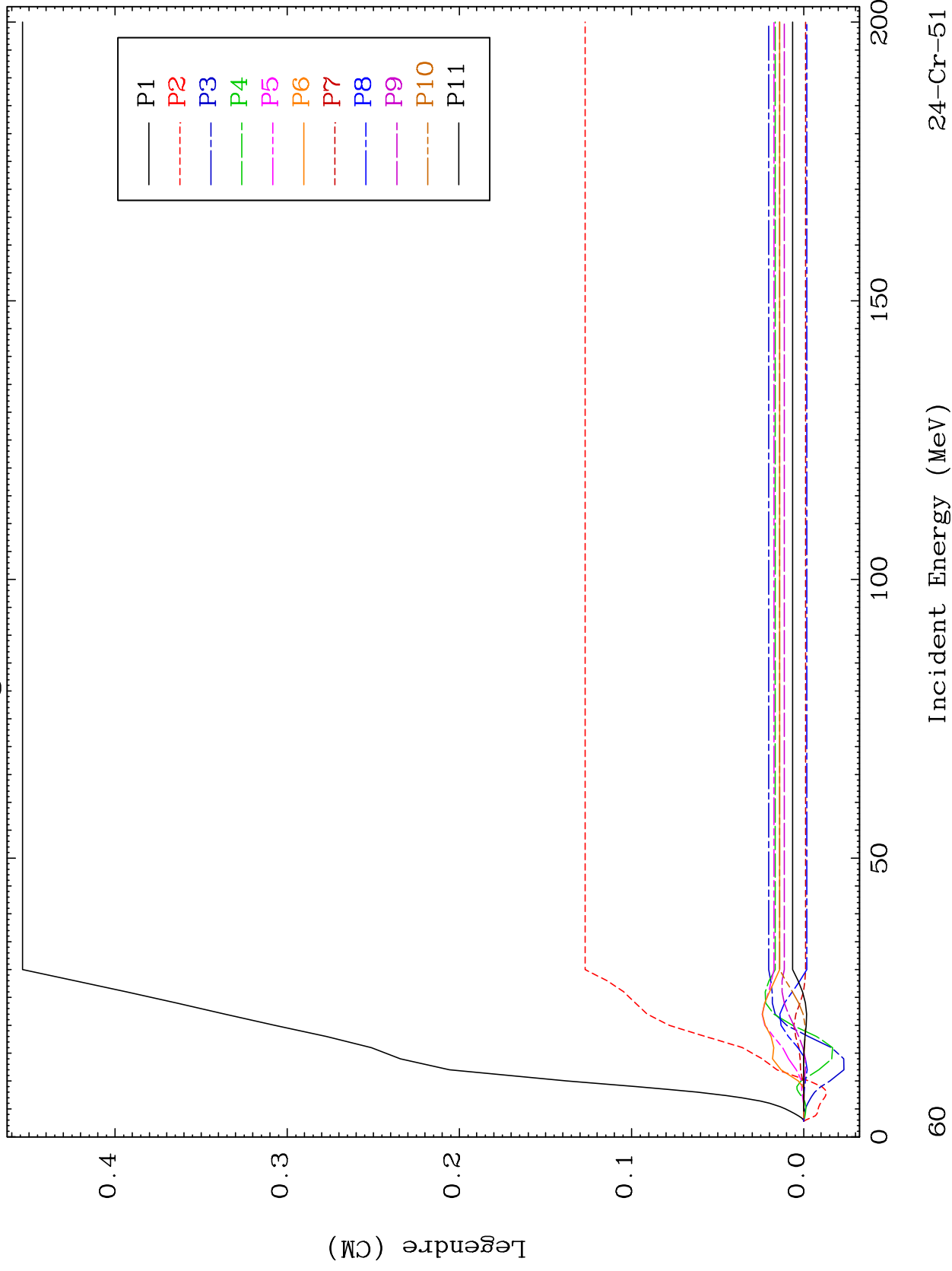
Incident Energy (MeV)

24-Cr-51

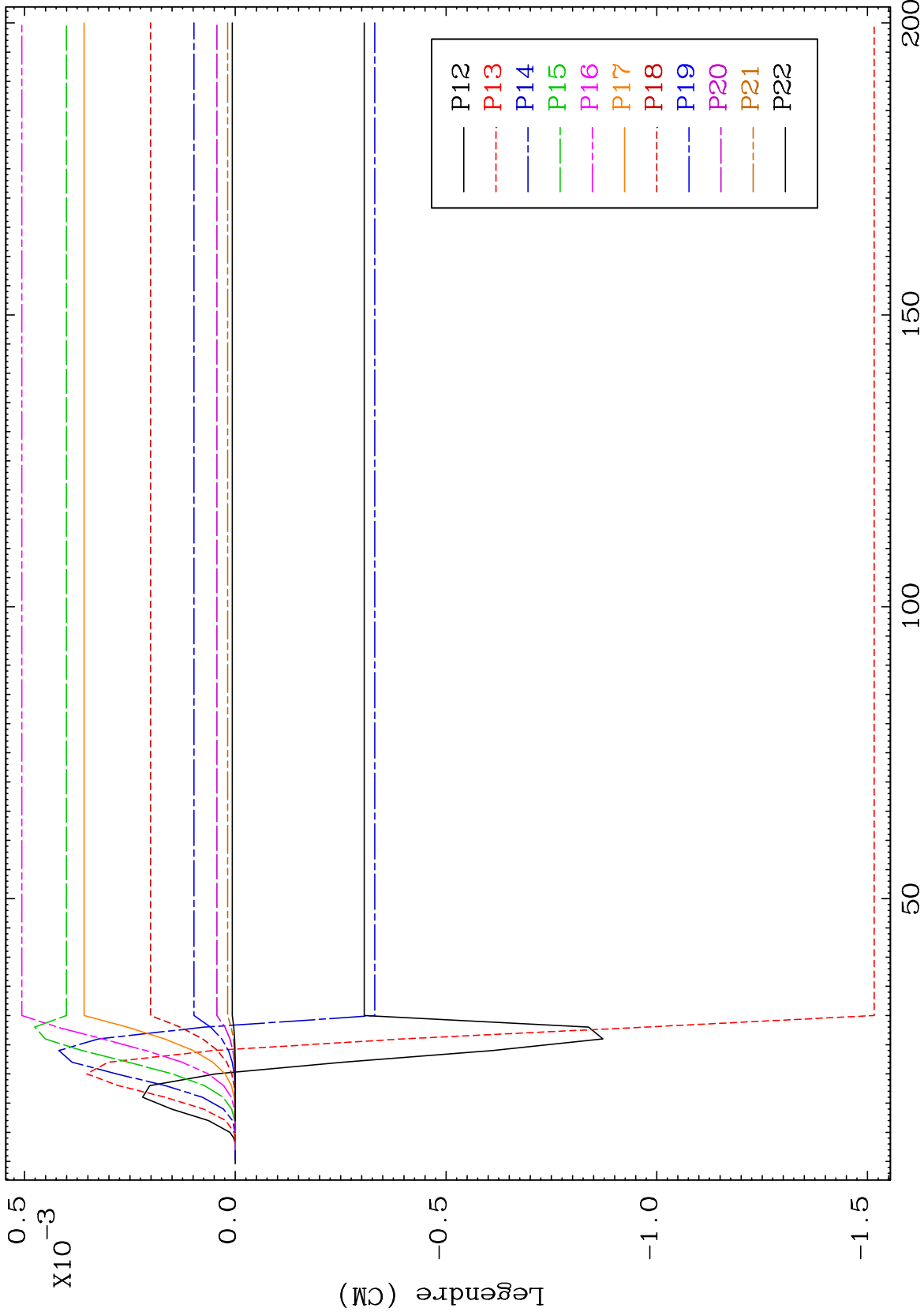
MAT 2428

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

24-Cr-51



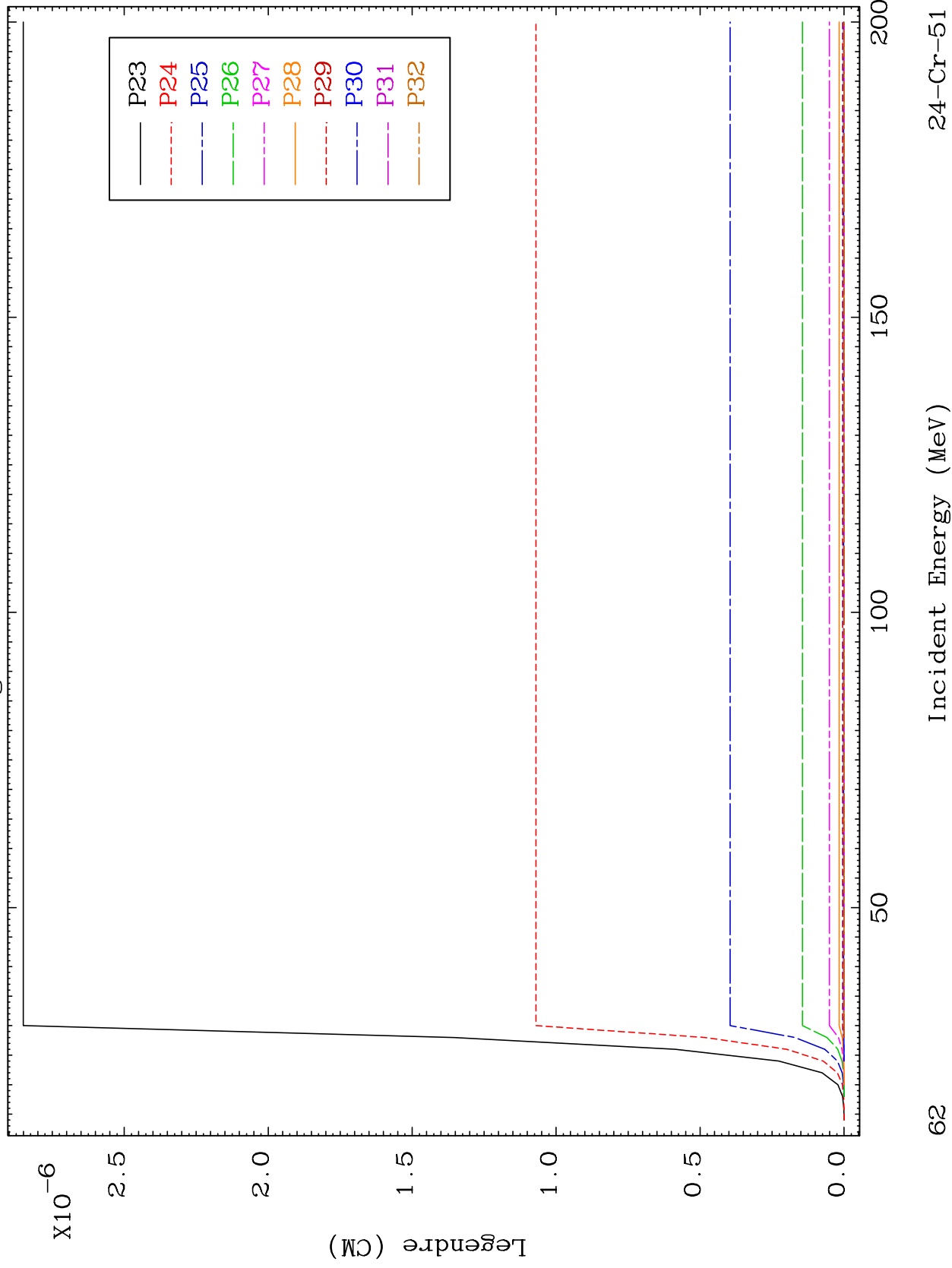
24-Cr-51



MAT 2428

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

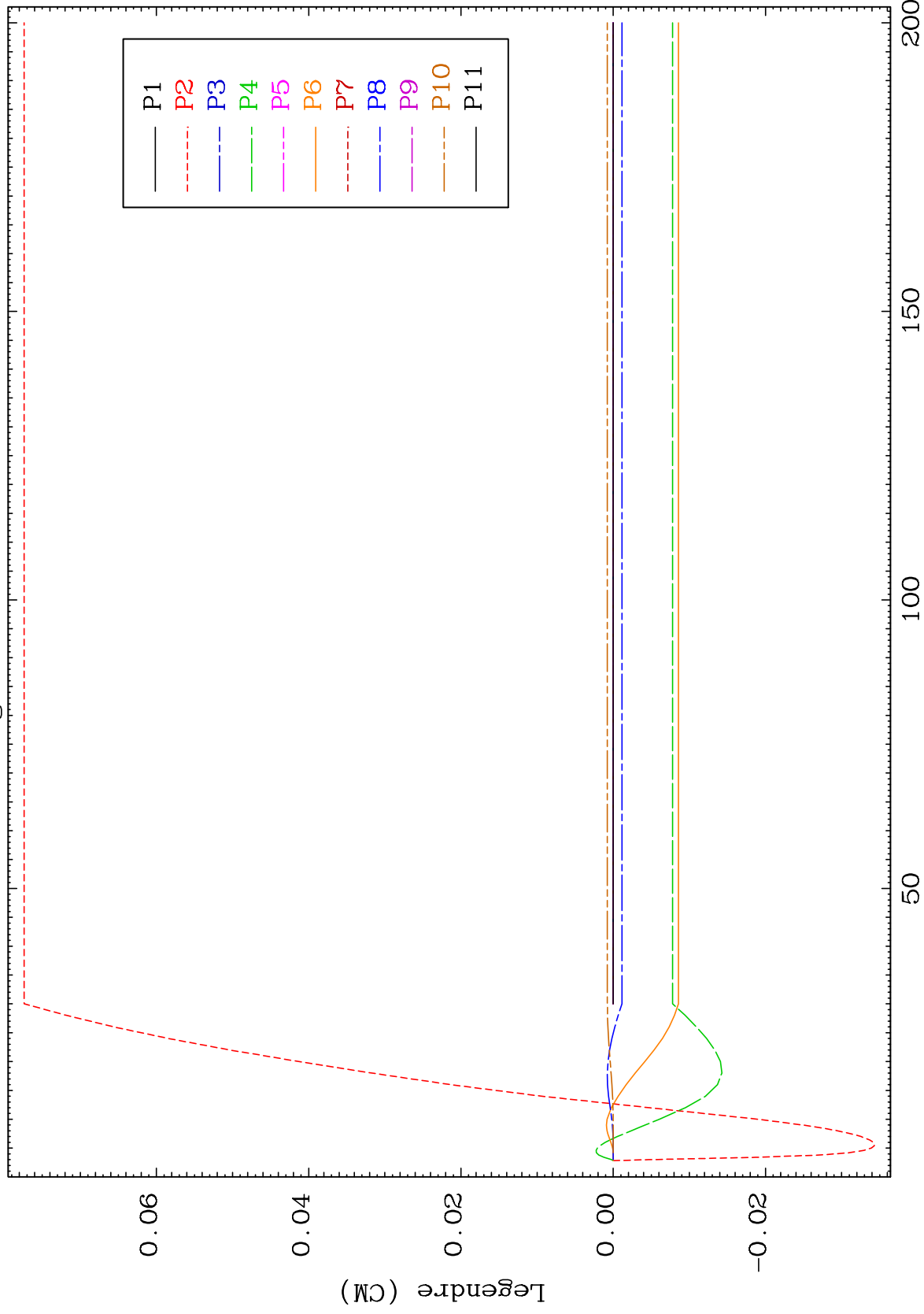
24-Cr-51



MAT 2428

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

24-Cr-51



63

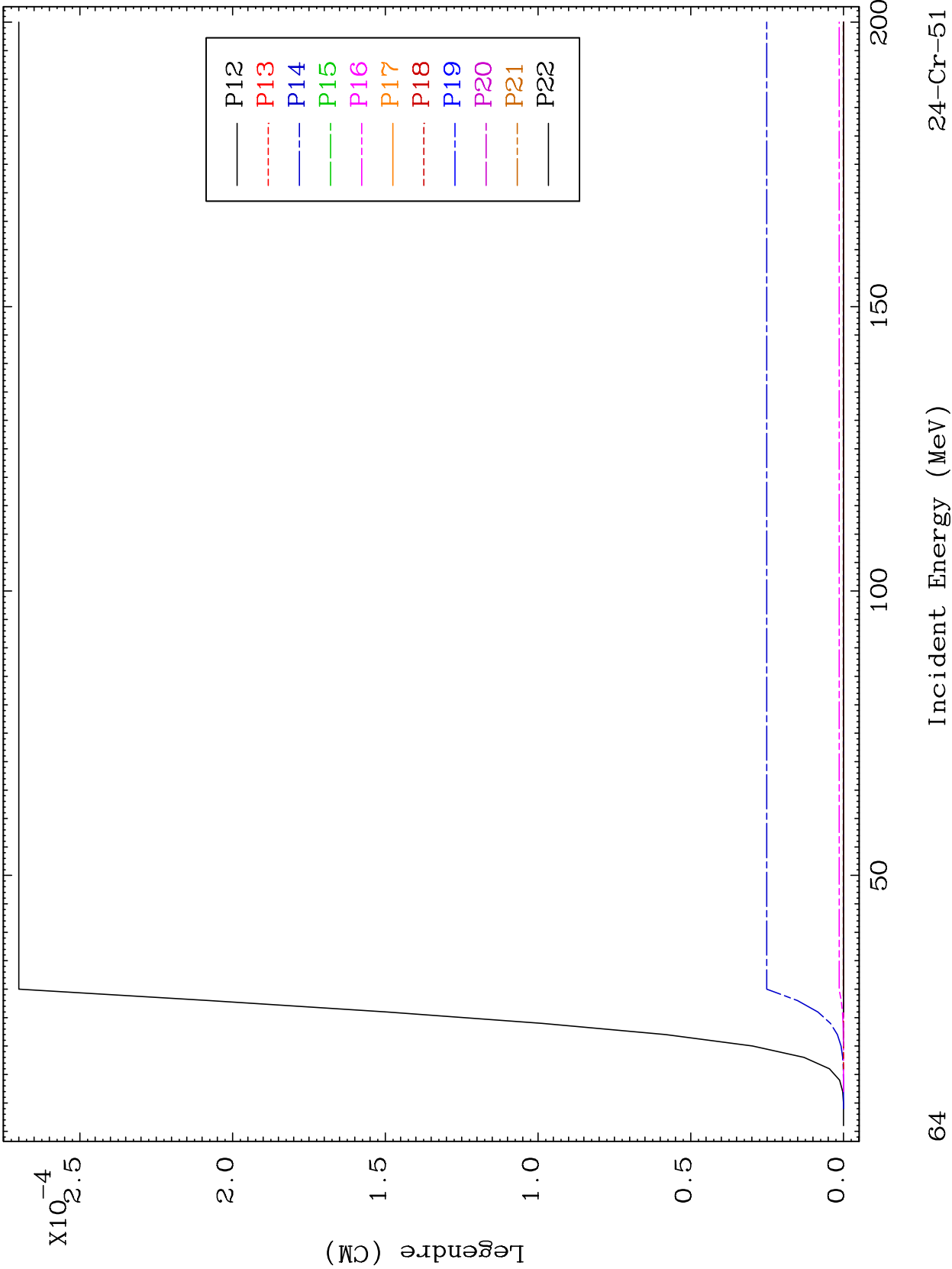
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

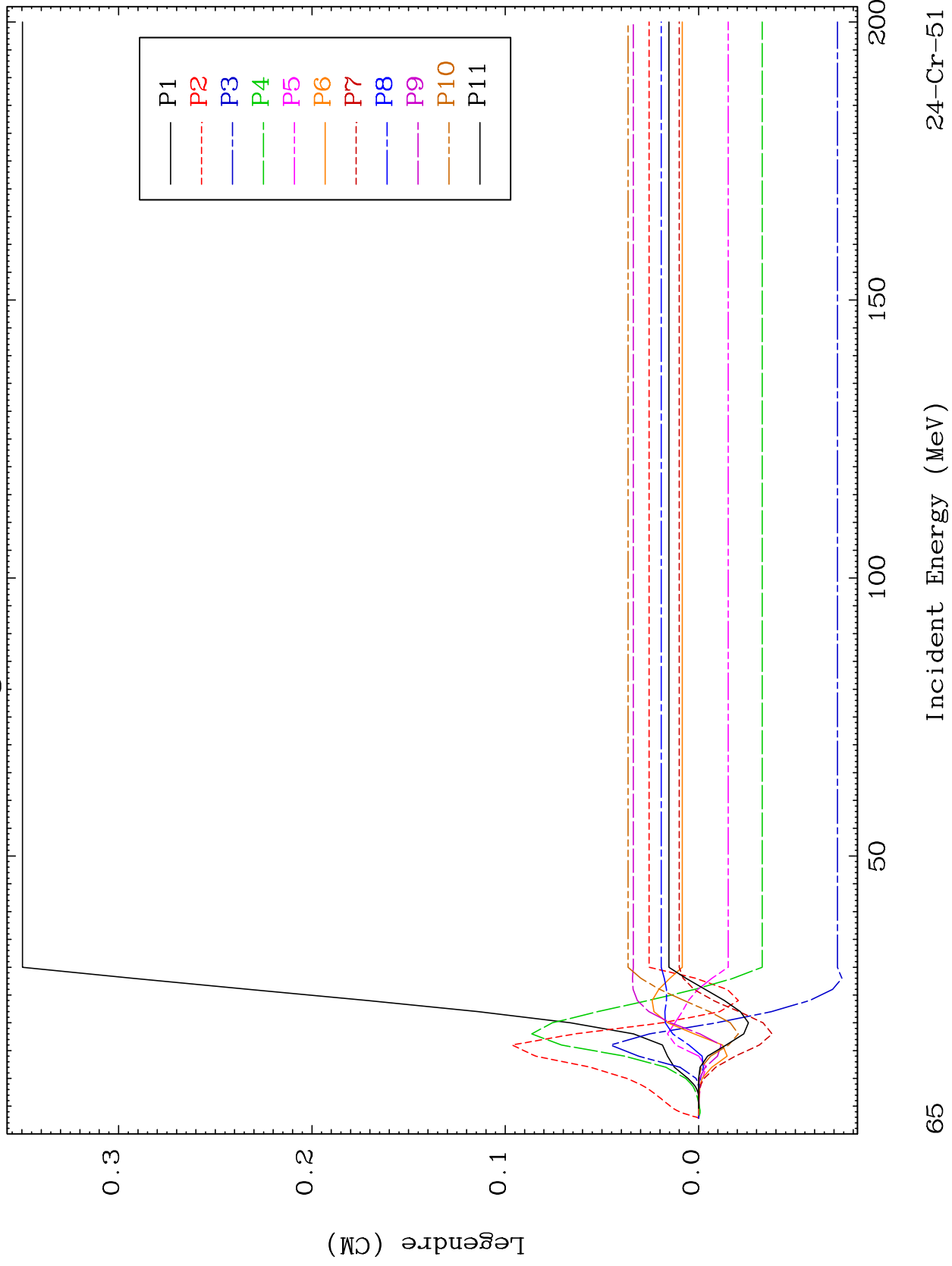
24-Cr-51



MAT 2428

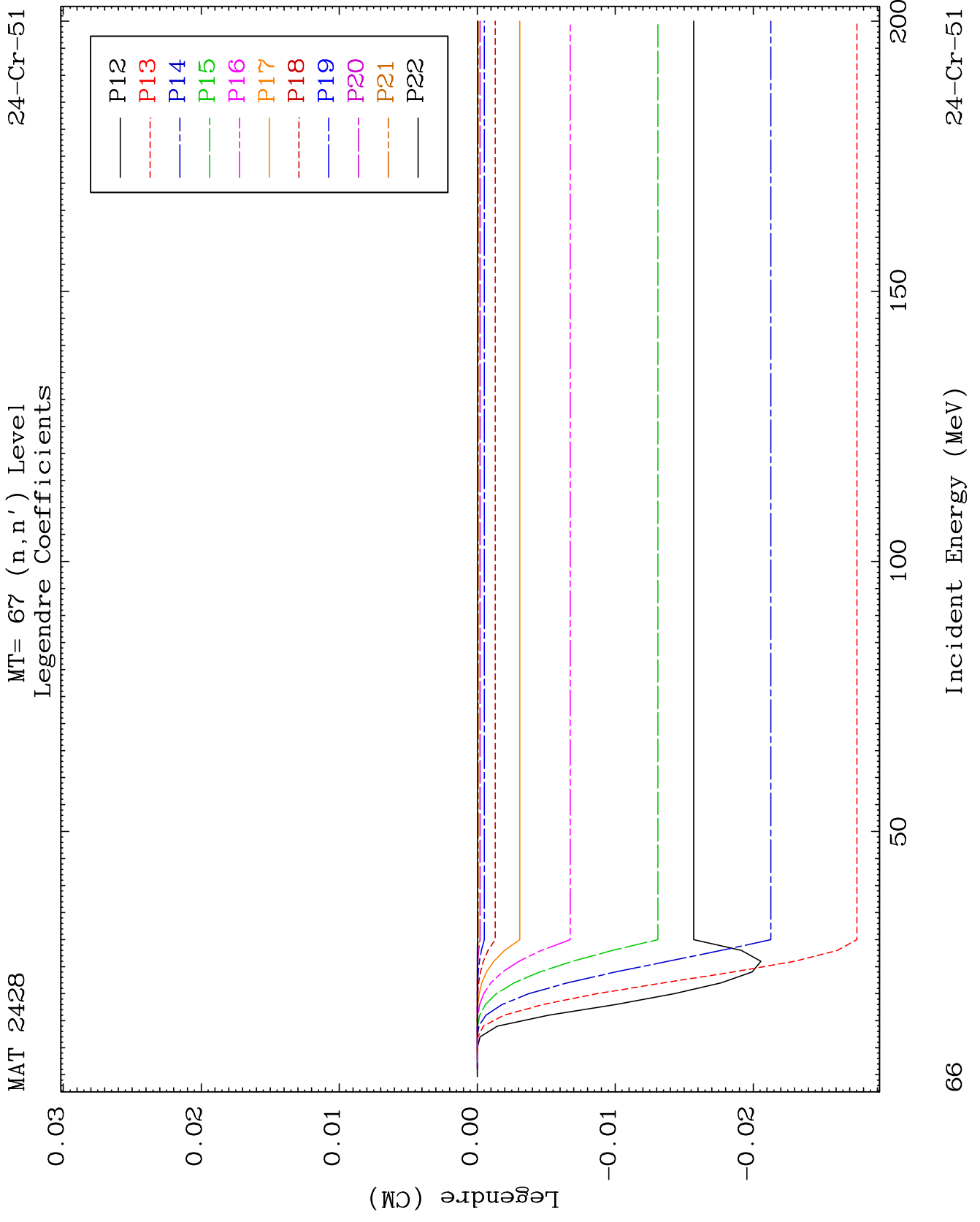
MT= 67 (n,n') Level
Legendre Coefficients

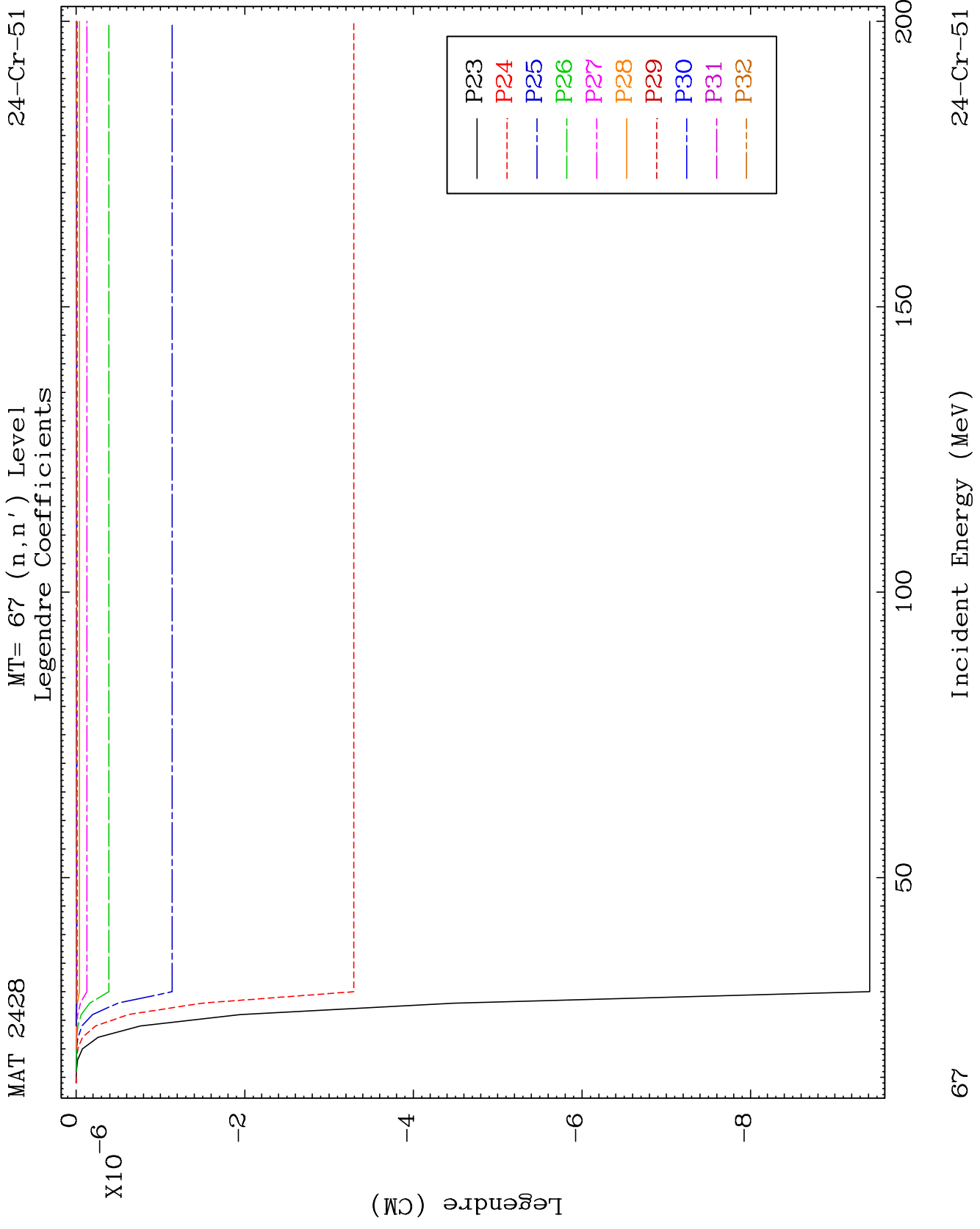
24-Cr-51



65

24-Cr-51

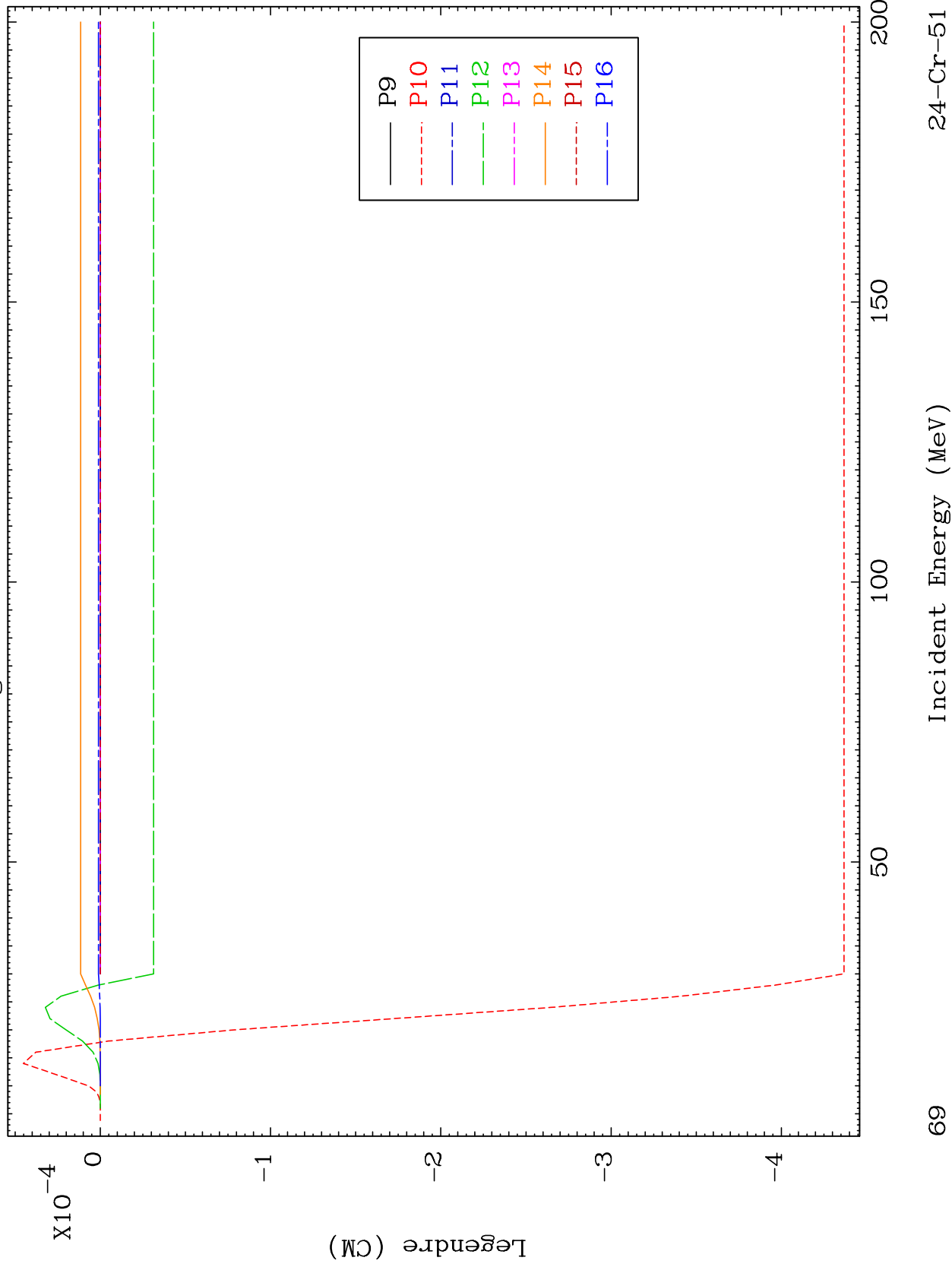




MAT 2428

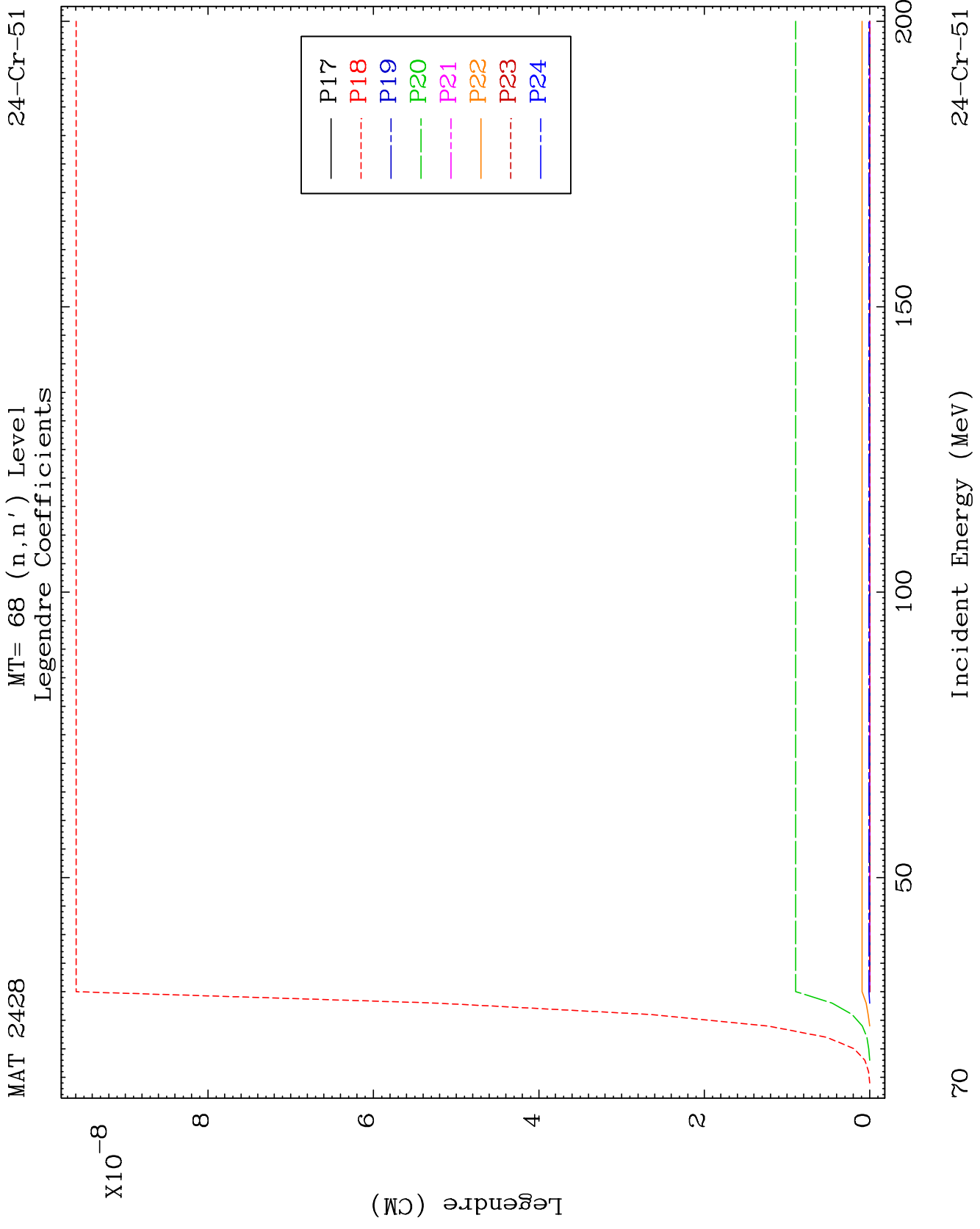
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Legendre Coefficients

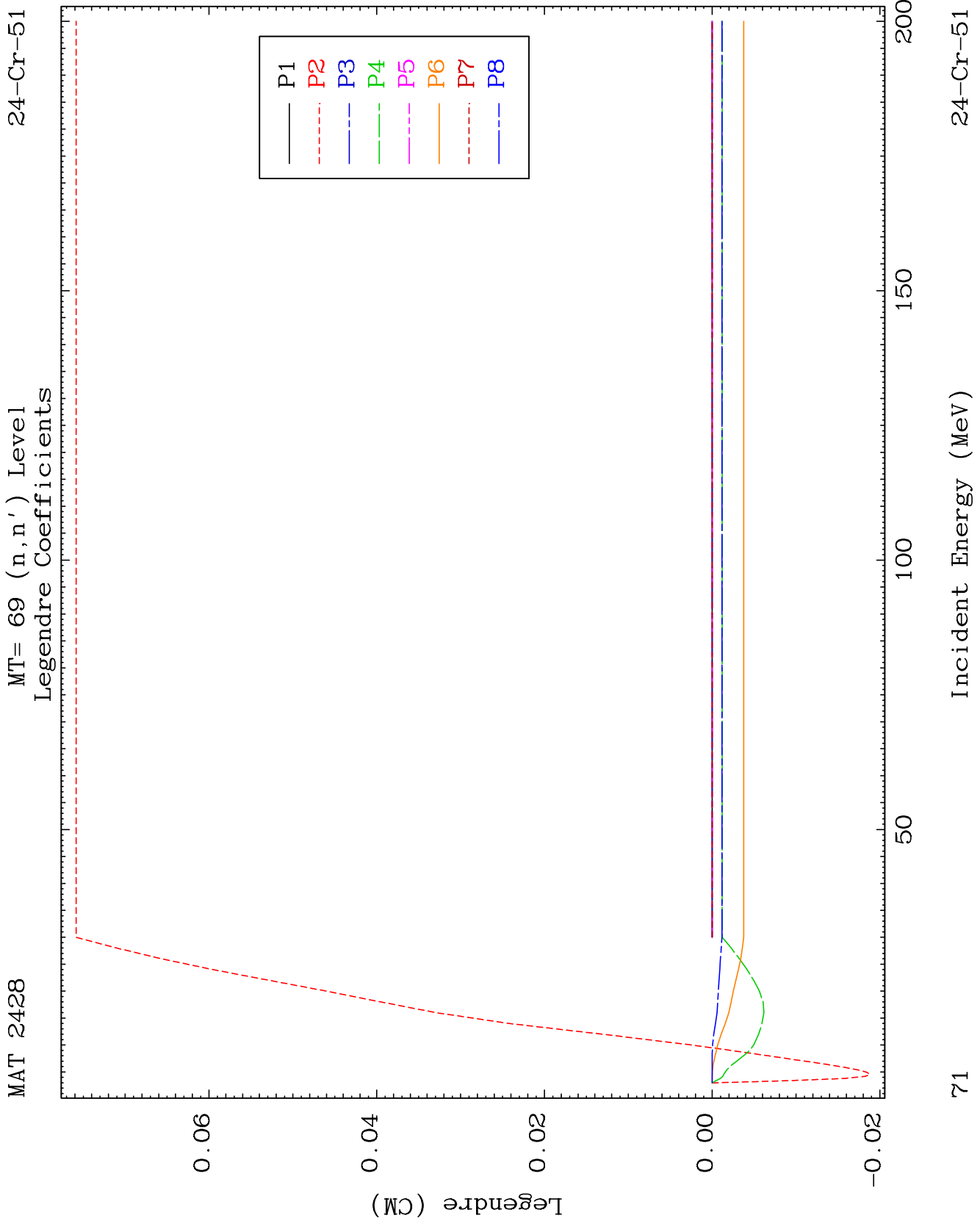
24-Cr-51



69

24-Cr-51

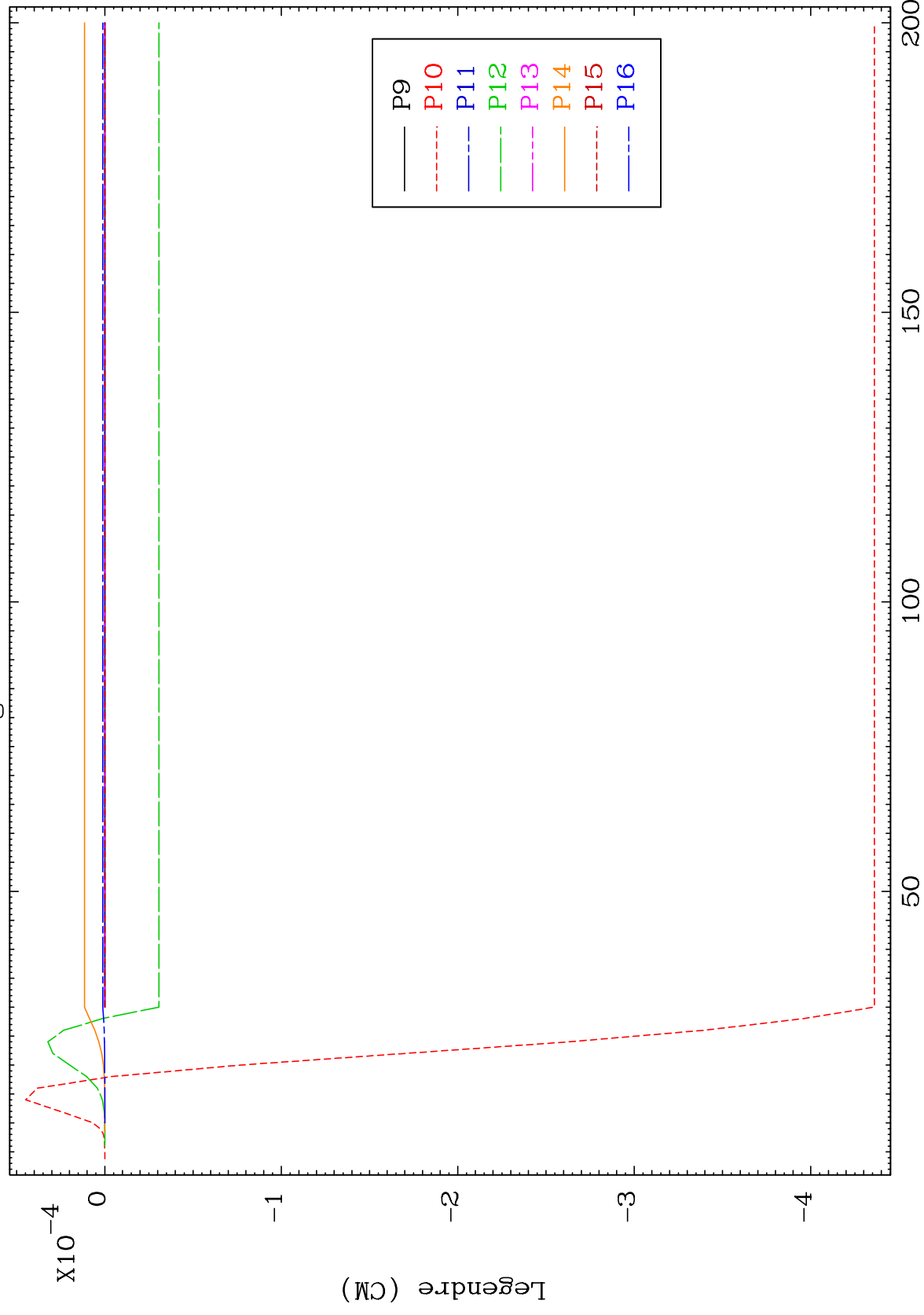




MAT 2428

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

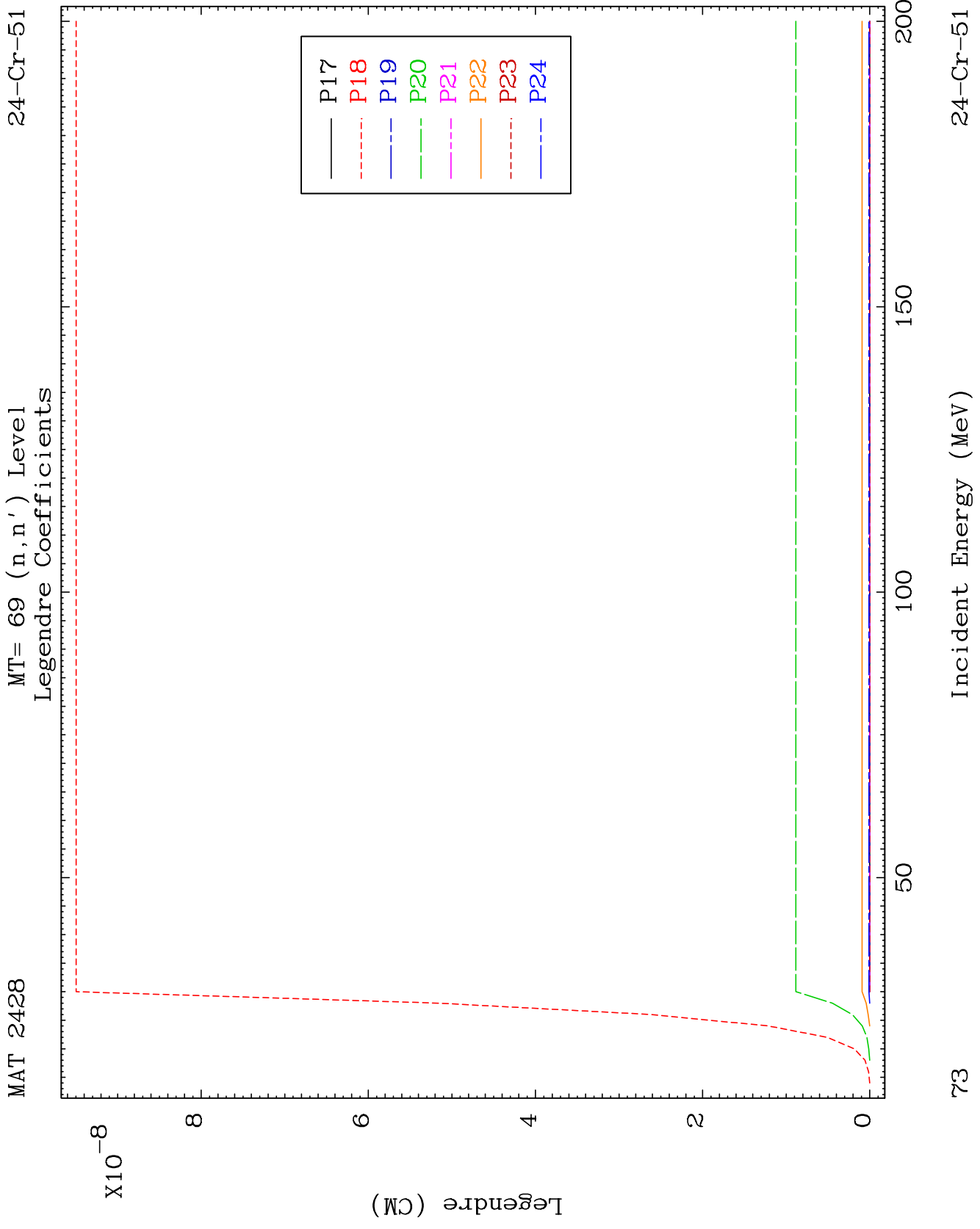
24-Cr-51



72

Incident Energy (MeV)

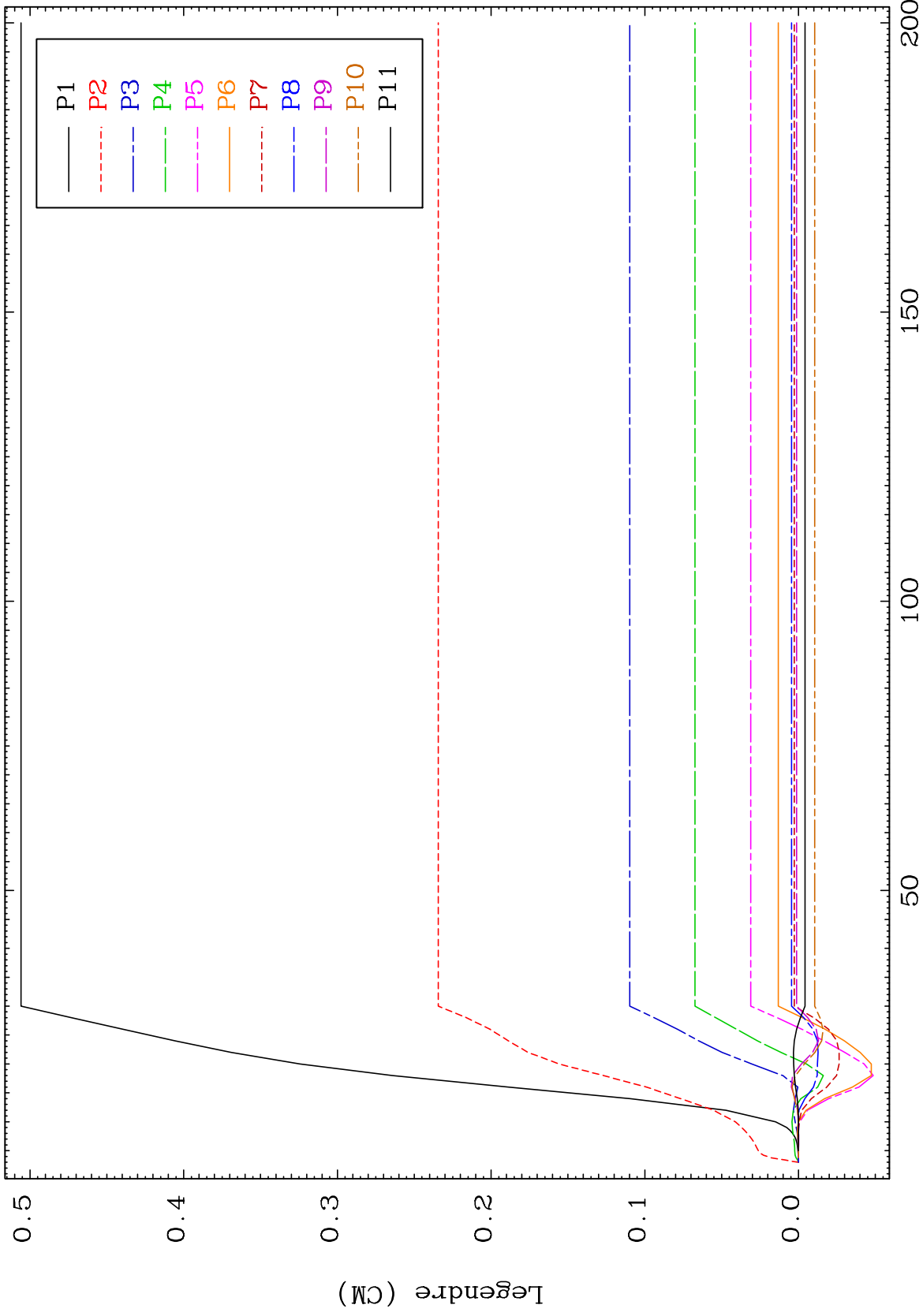
24-Cr-51



MAT 2428

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

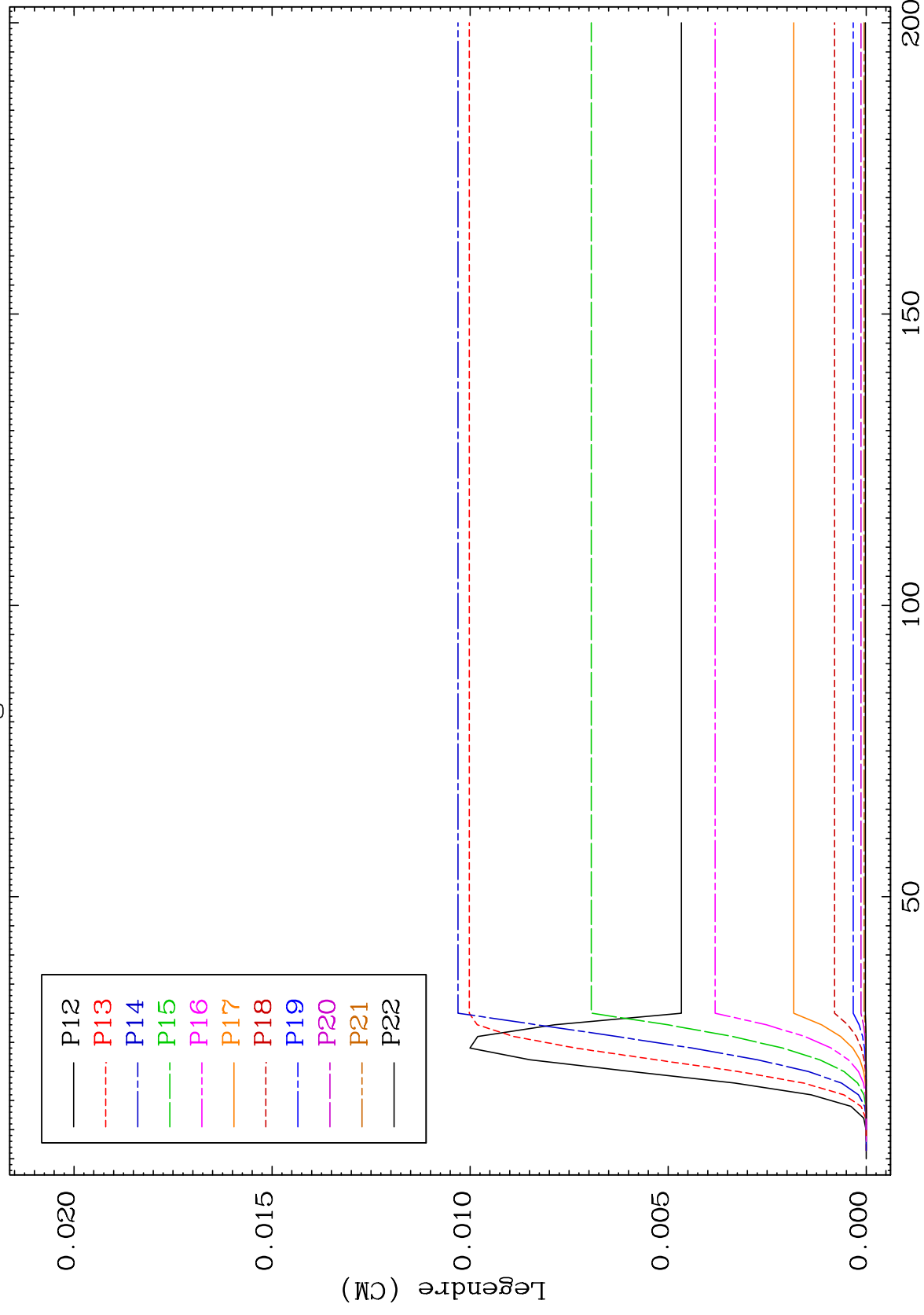
24-Cr-51



76

Incident Energy (MeV)

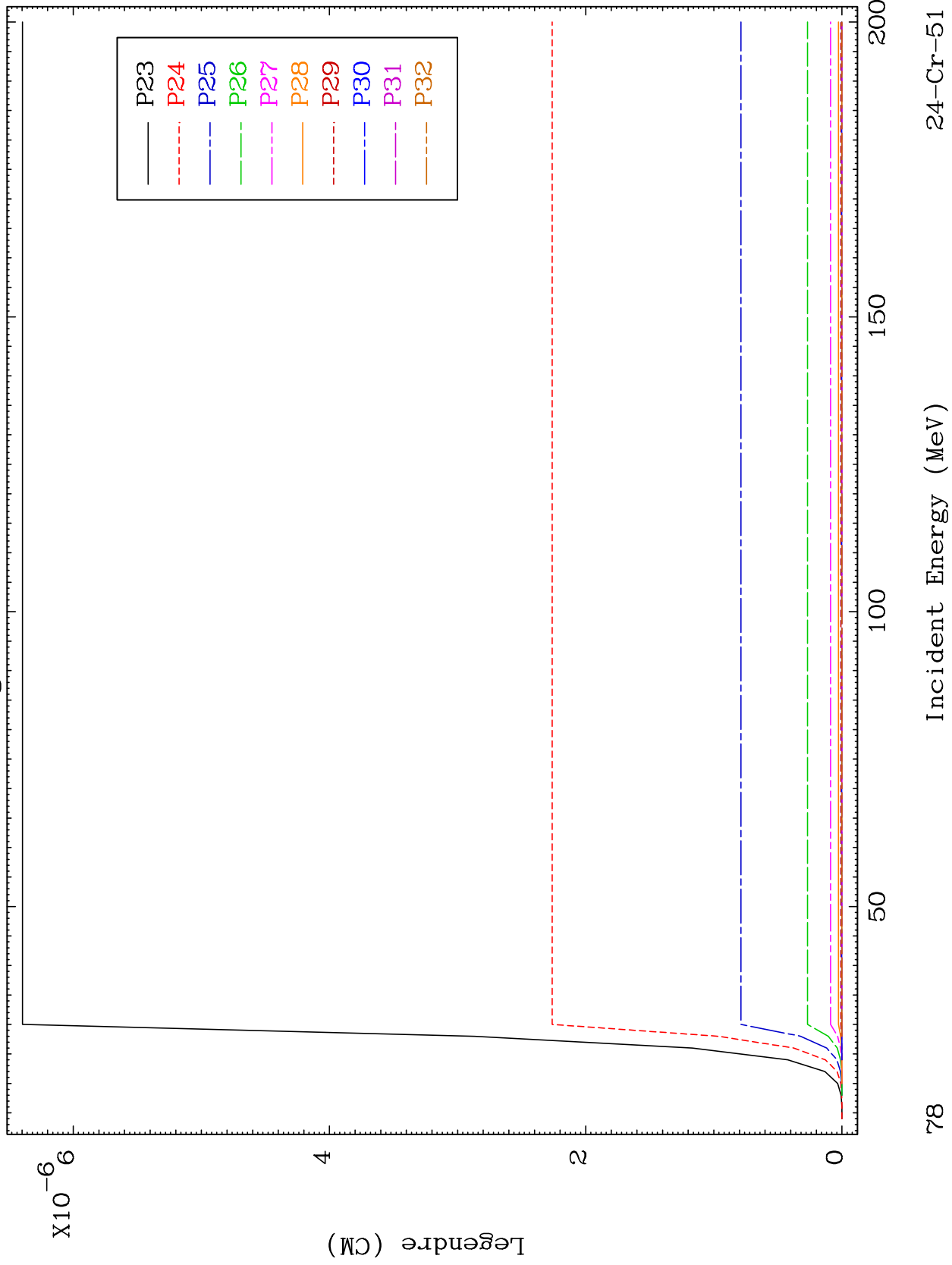
24-Cr-51



MAT 2428

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

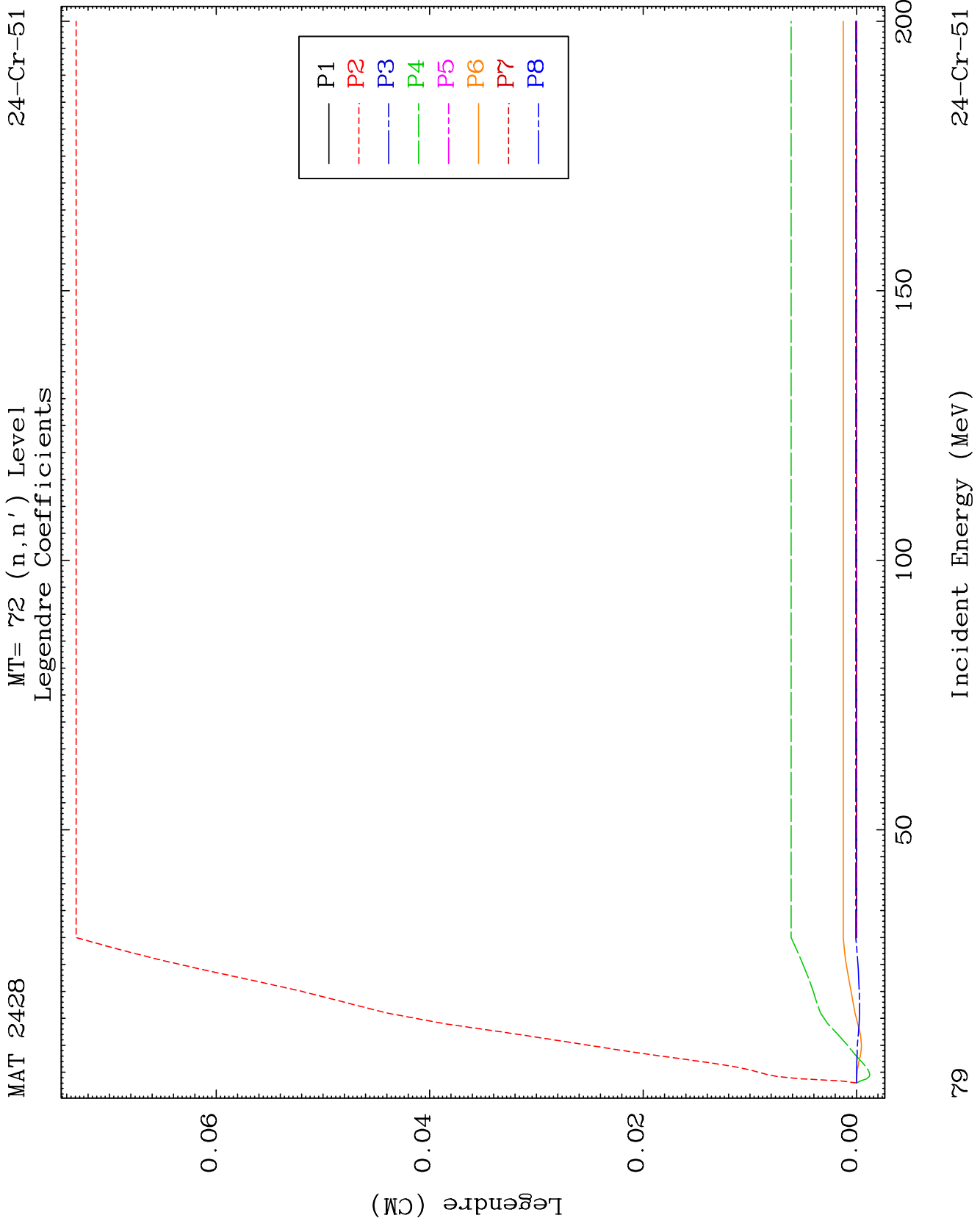
24-Cr-51

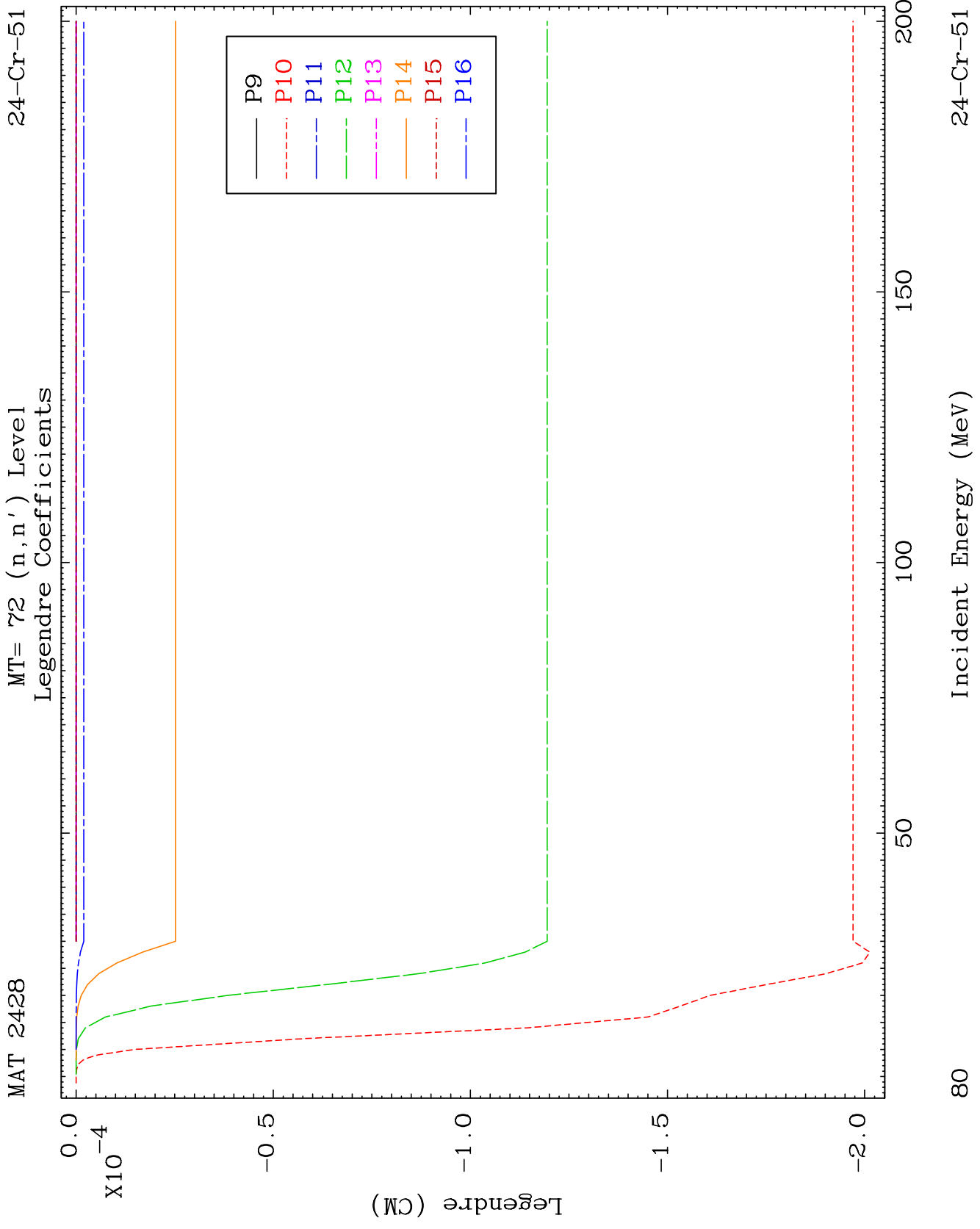


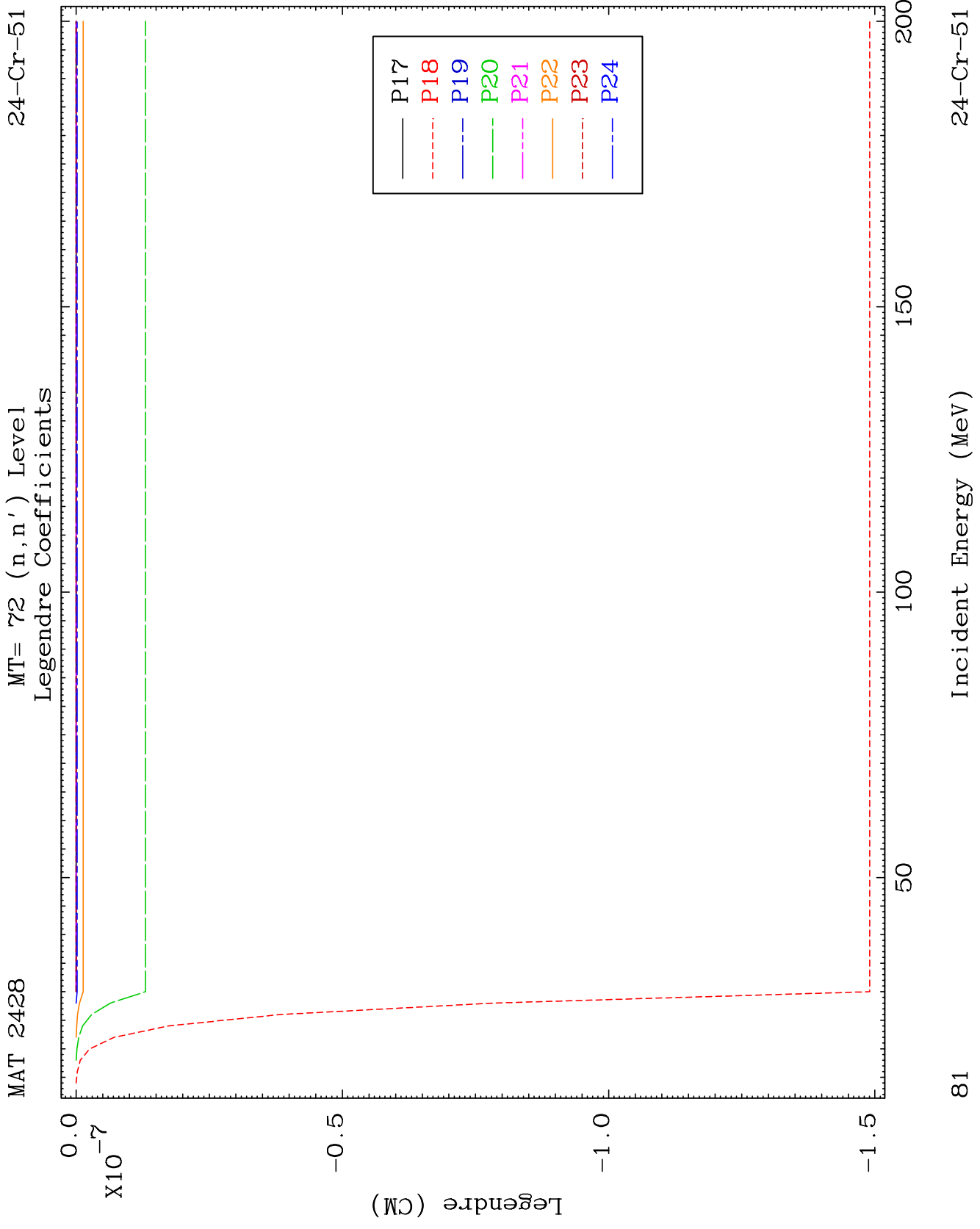
78

Incident Energy (MeV)

24-Cr-51



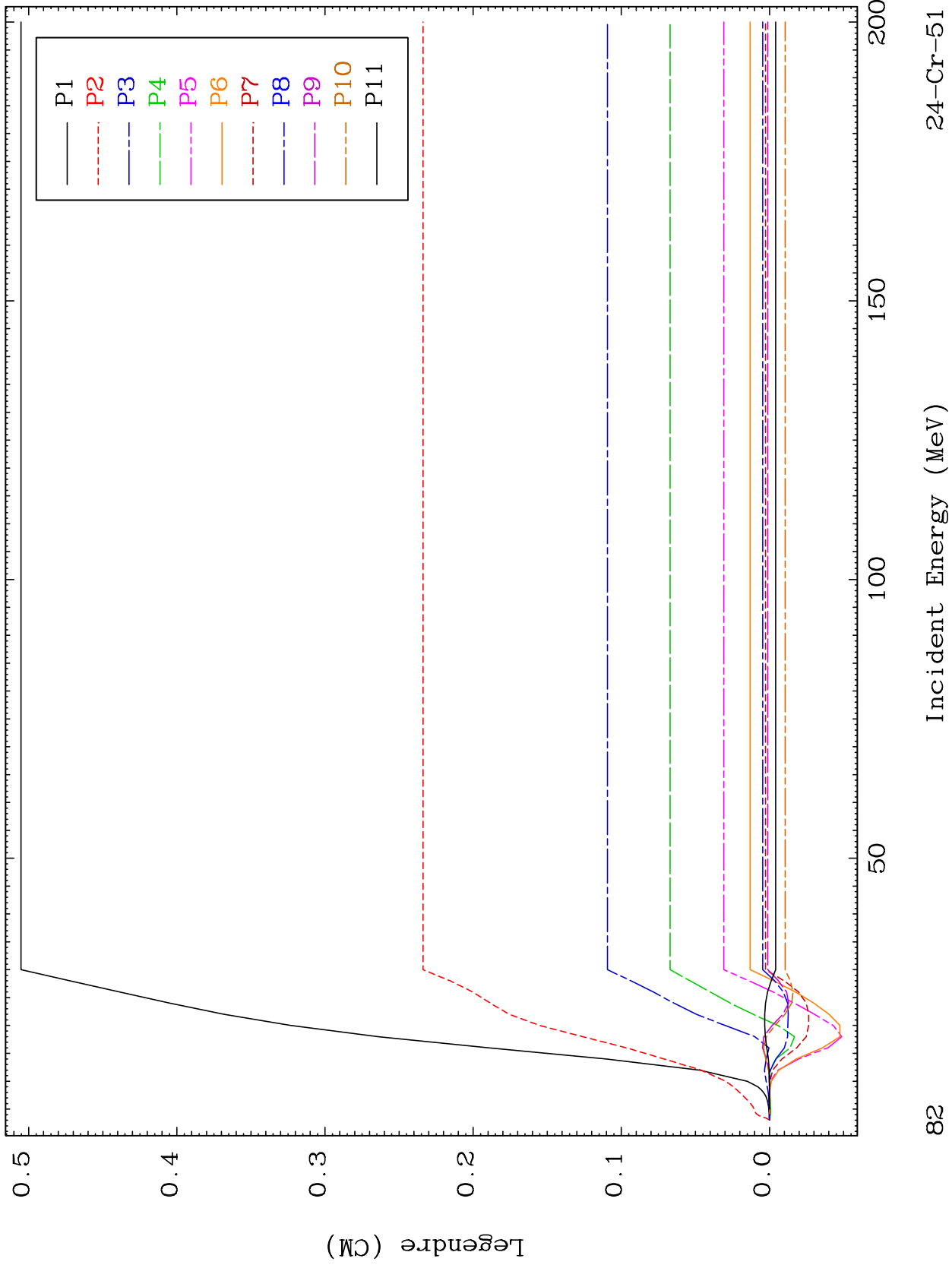




MAT 2428

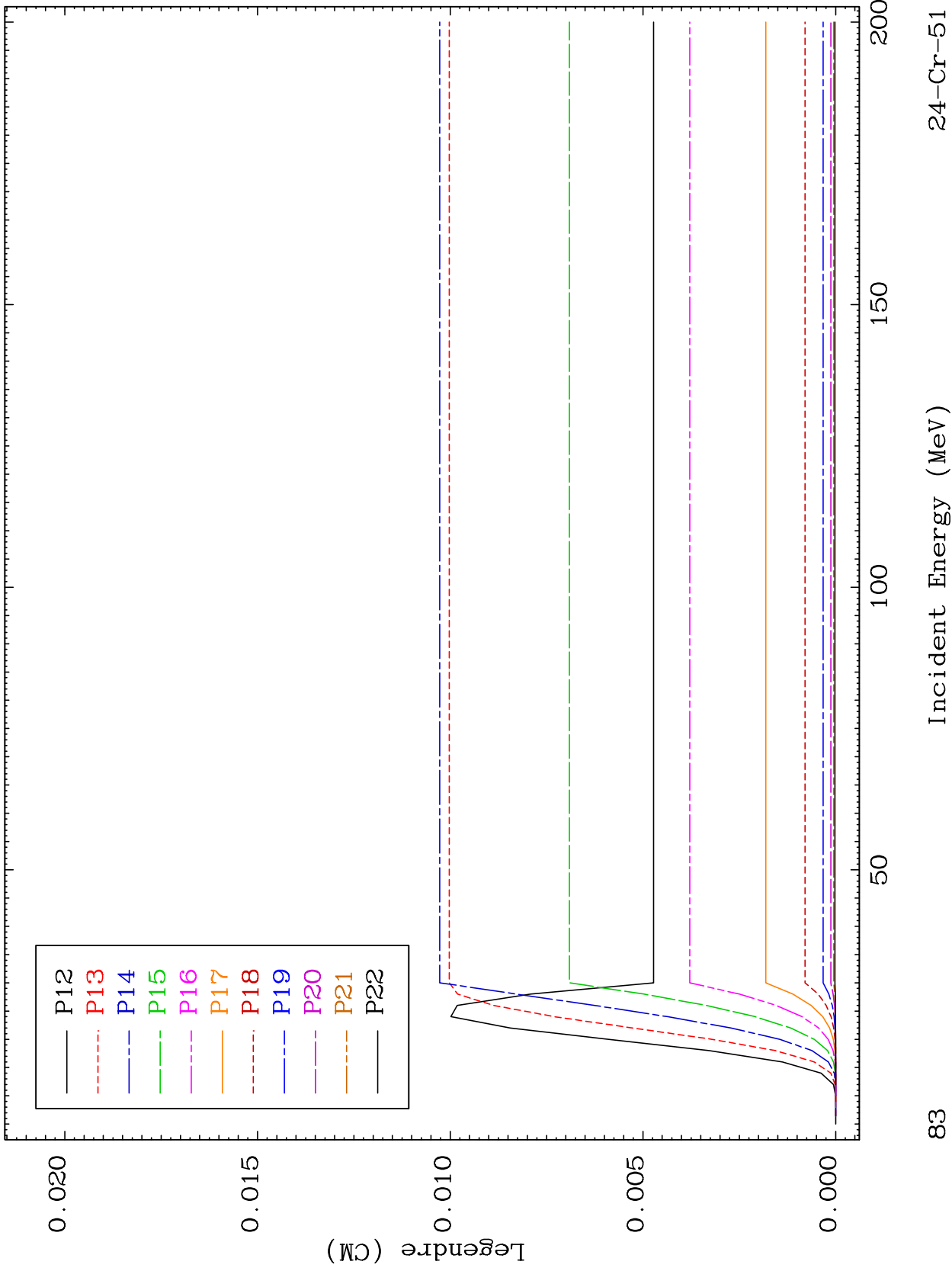
MT= 73 (n,n') Level
Legendre Coefficients

24-Cr-51



82

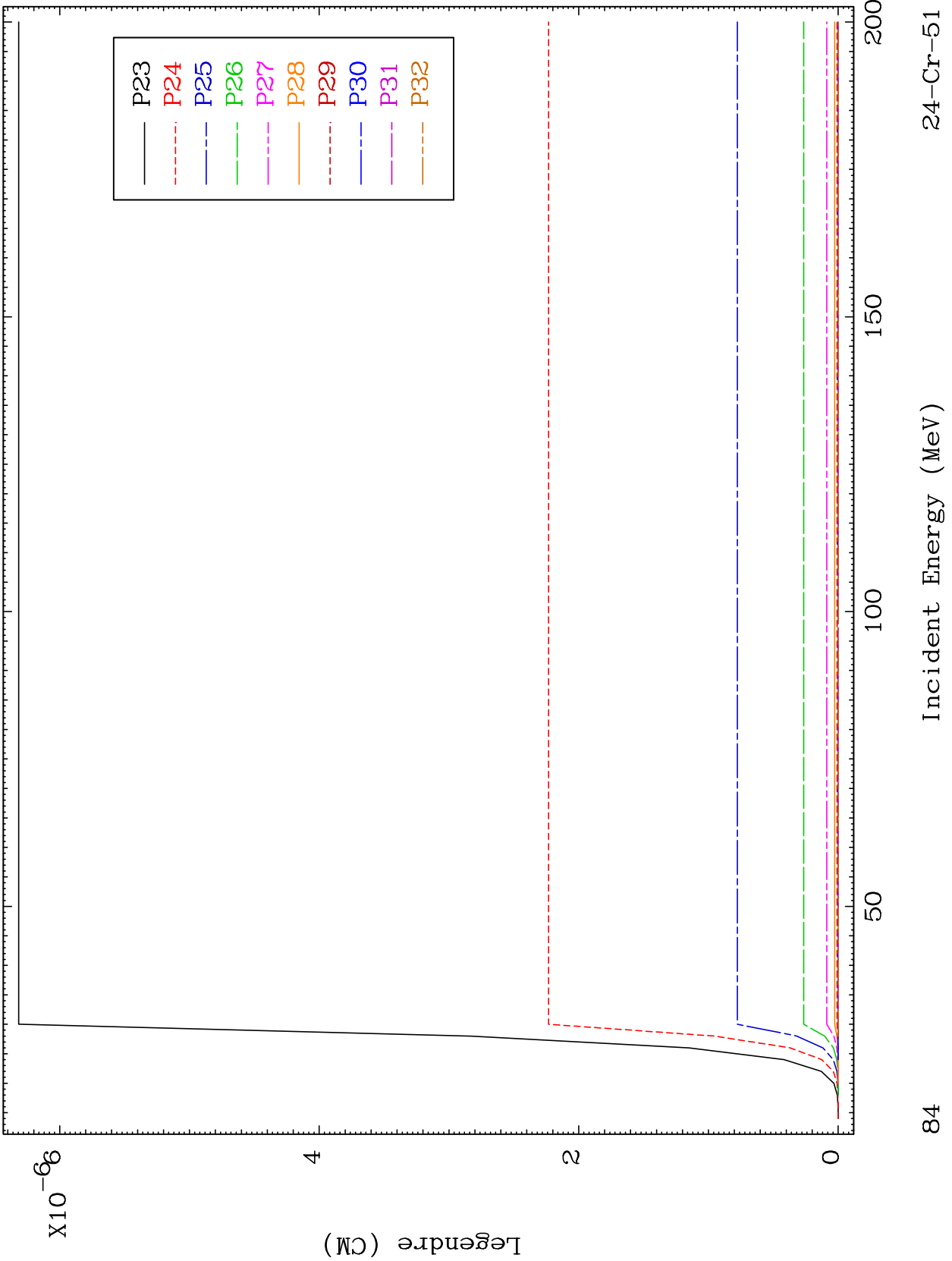
24-Cr-51



MAT 2428

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

24-Cr-51



84

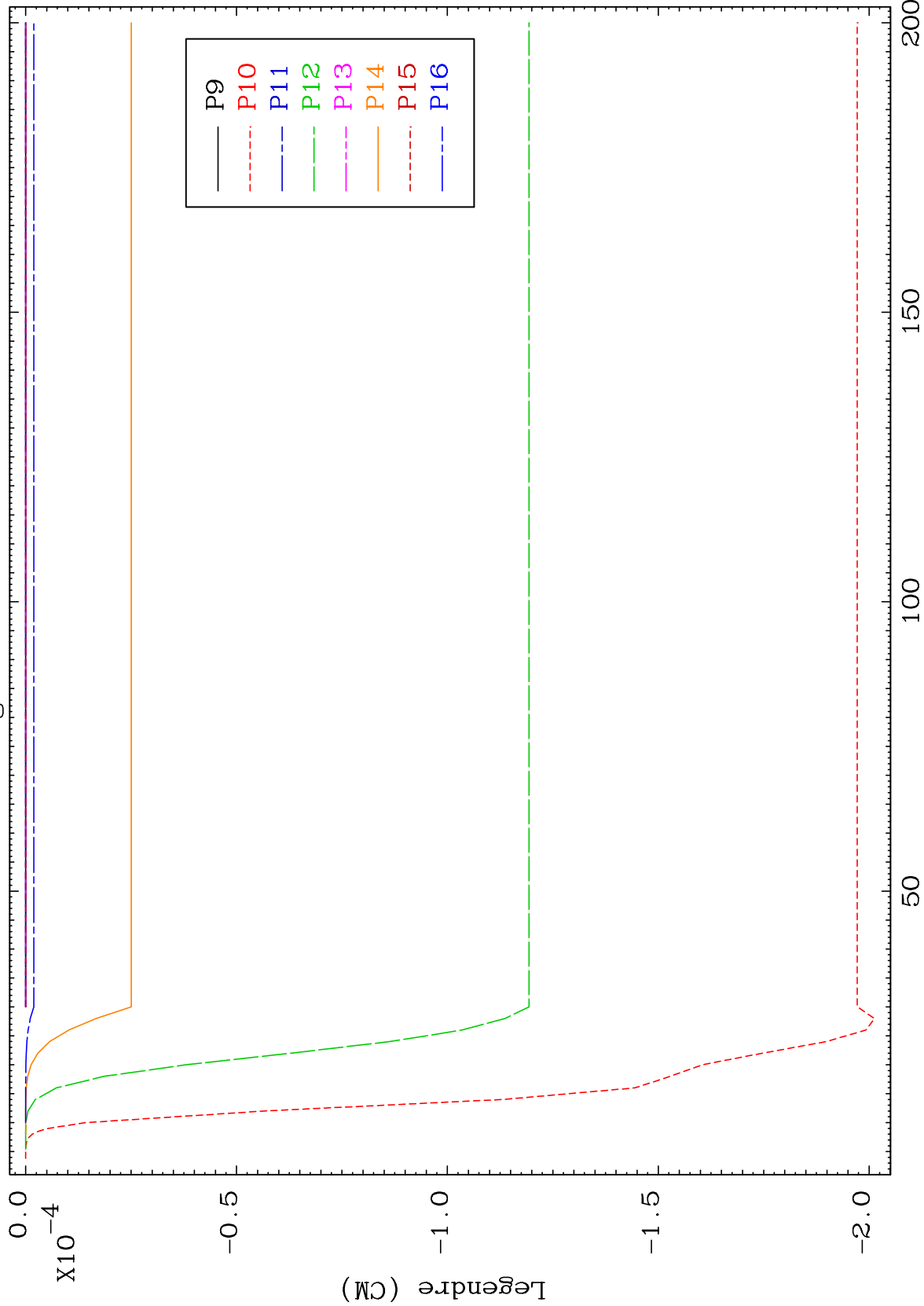
Incident Energy (MeV)

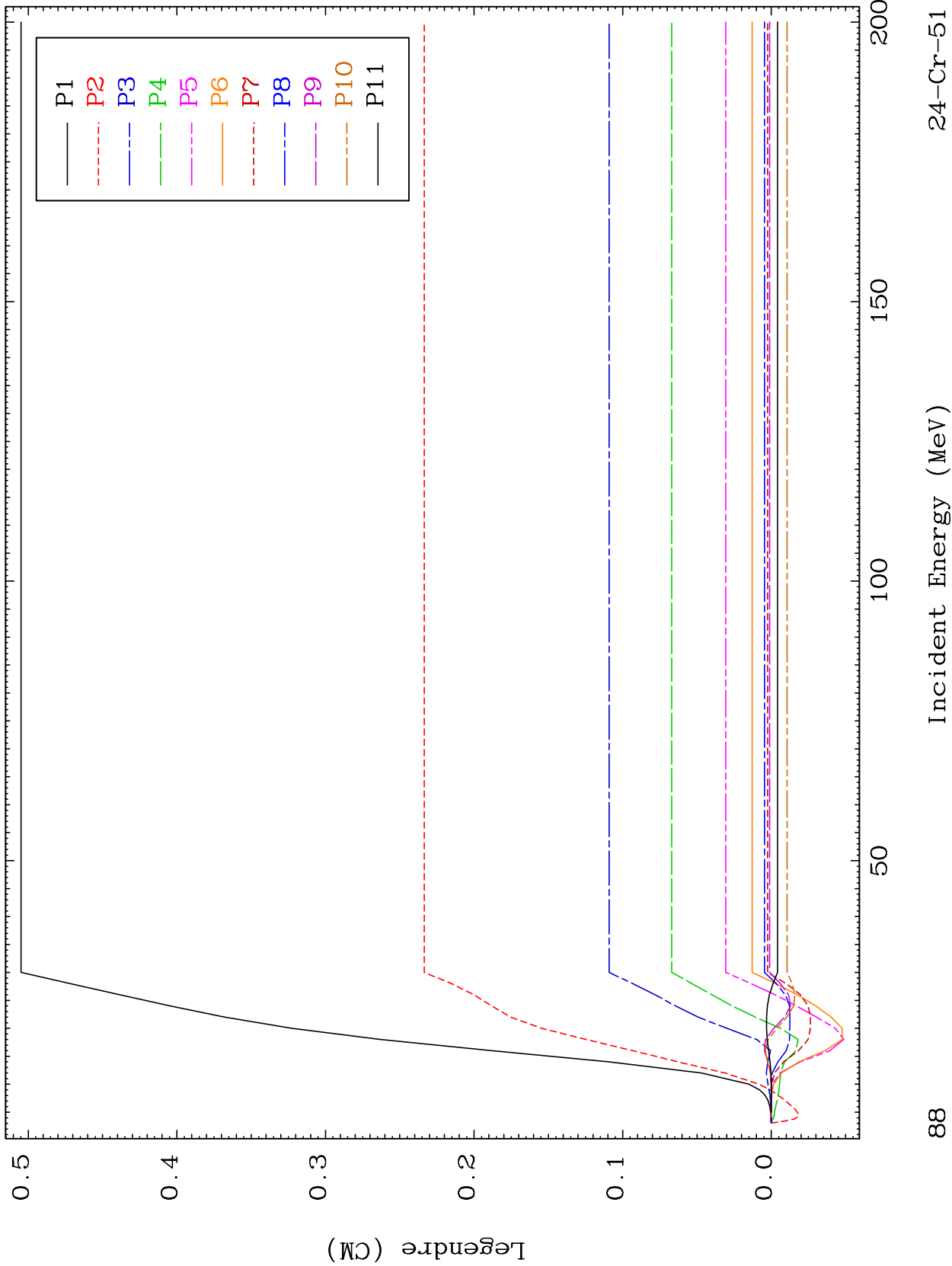
24-Cr-51

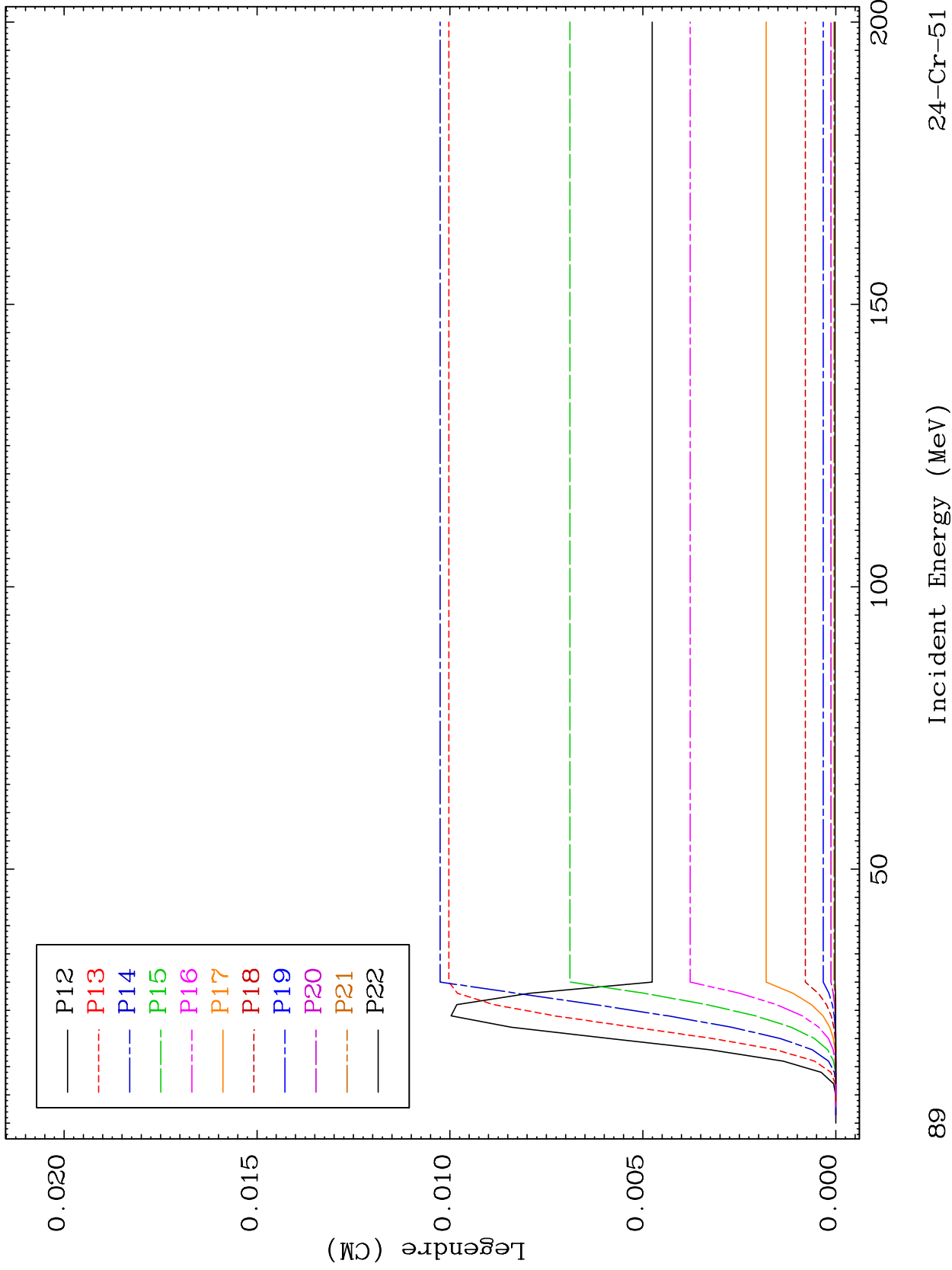
MAT 2428

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

24-Cr-51



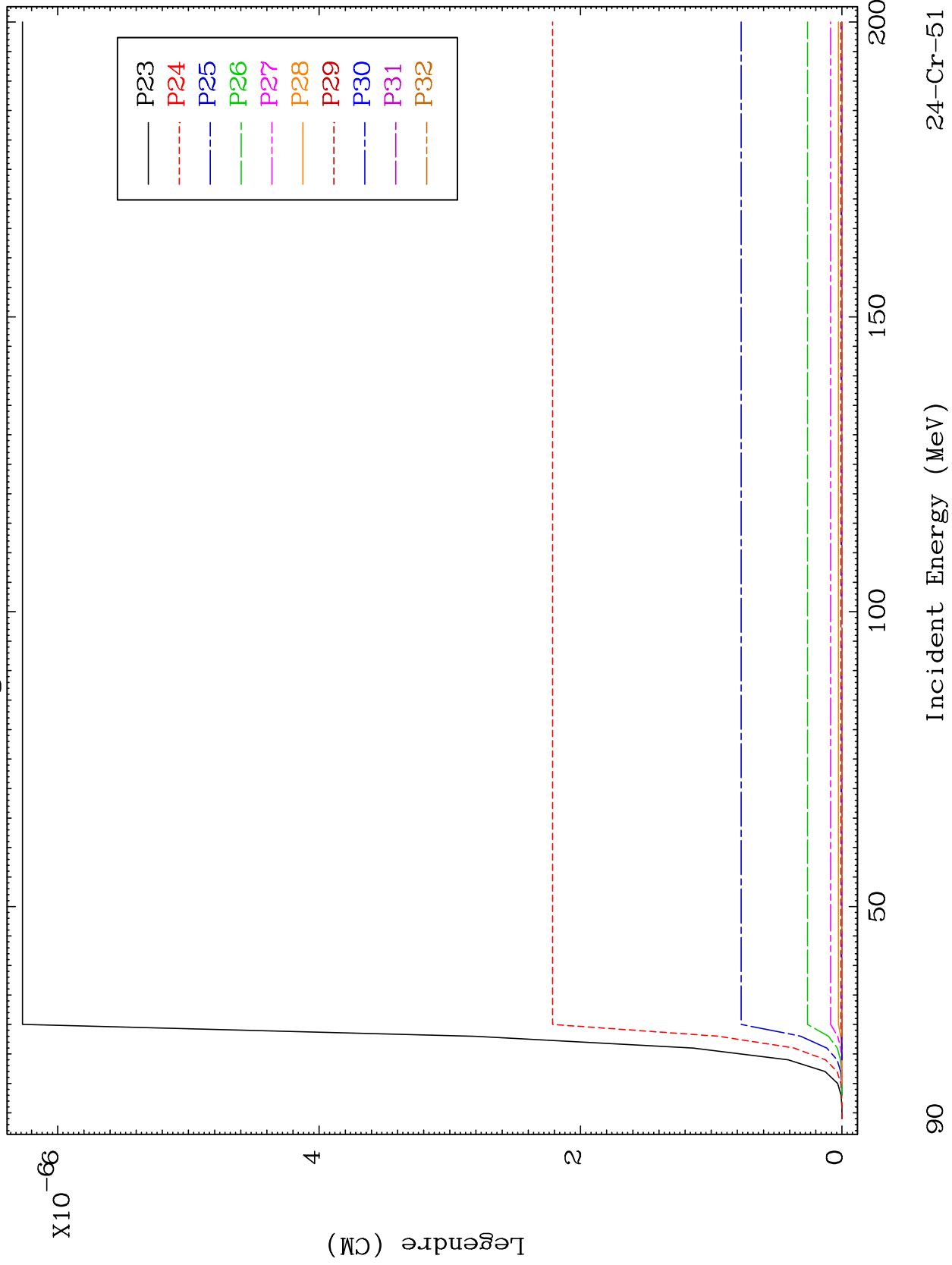




MAT 2428

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

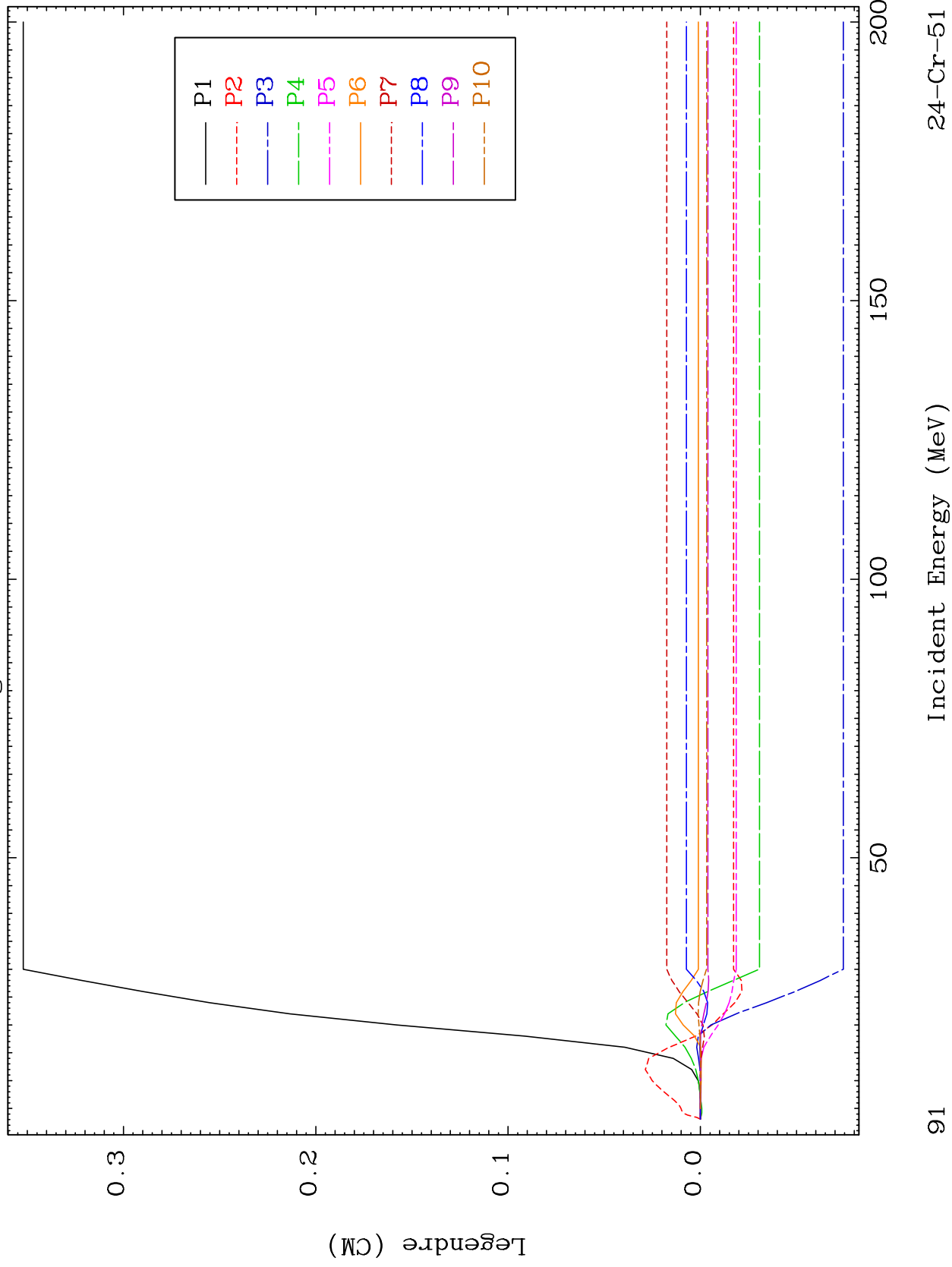
24-Cr-51



MAT 2428

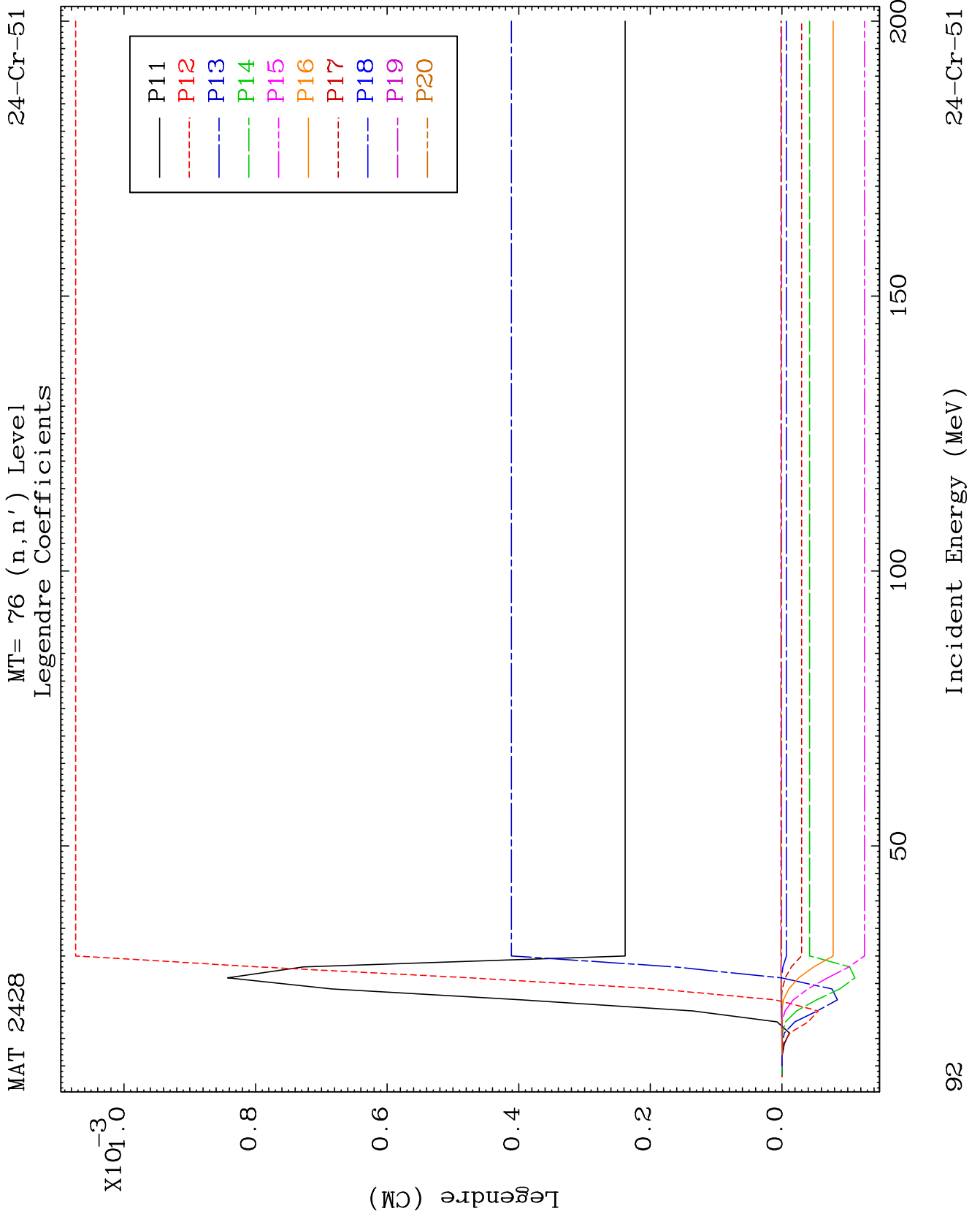
MT= 76 (n,n') Level
Legendre Coefficients

24-Cr-51



91

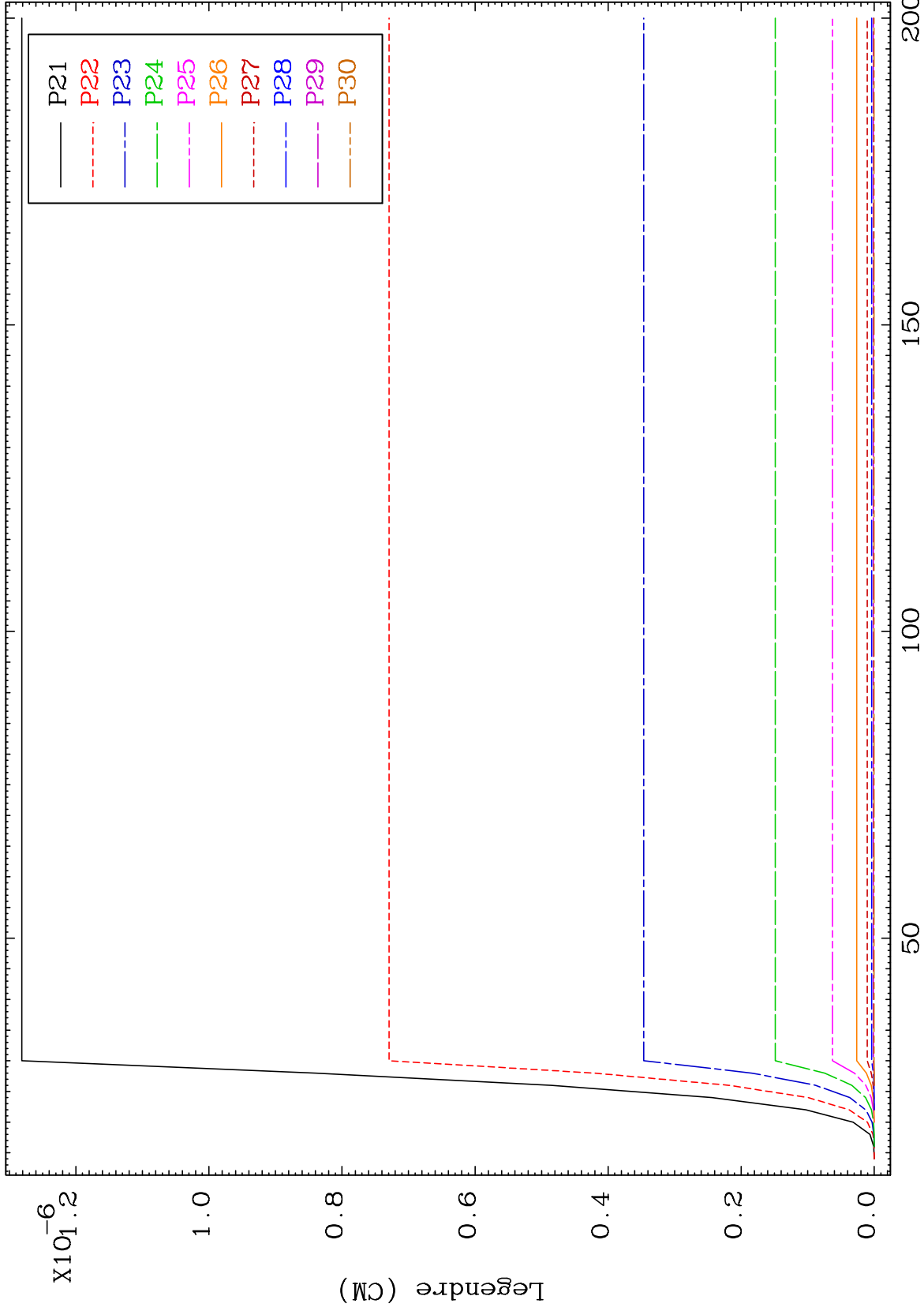
24-Cr-51



MAT 2428

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

24-Cr-51



93

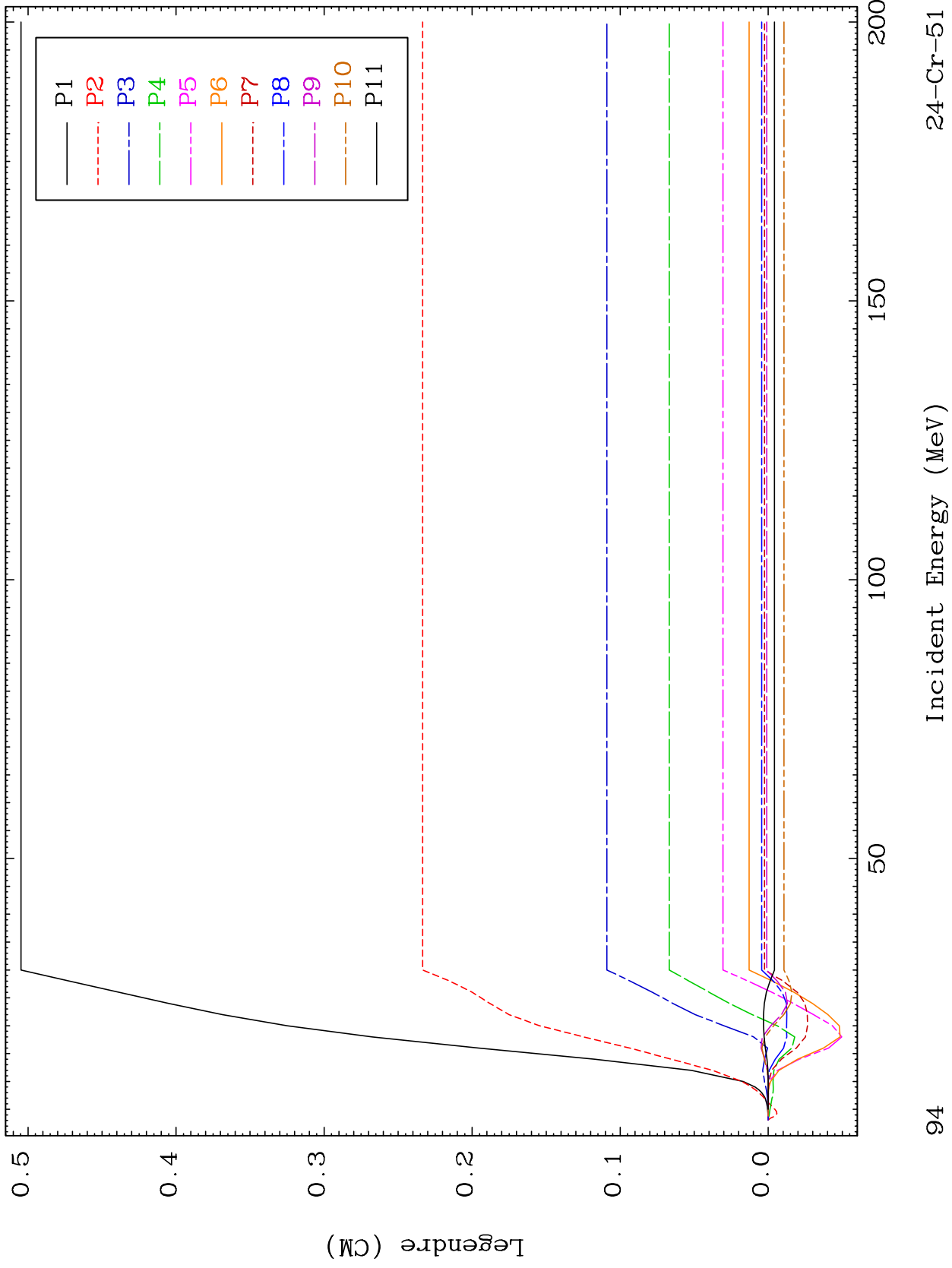
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



94

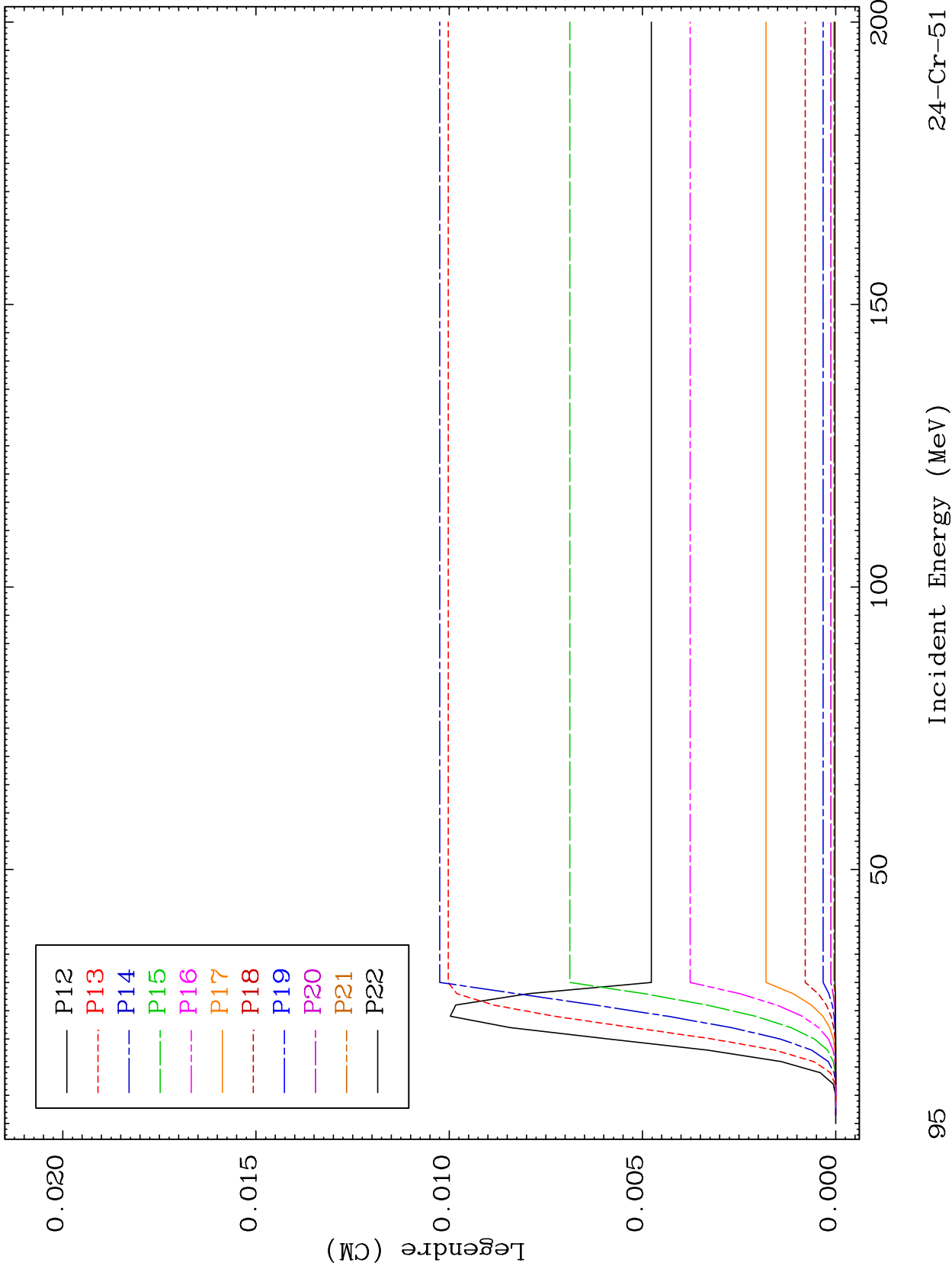
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



95

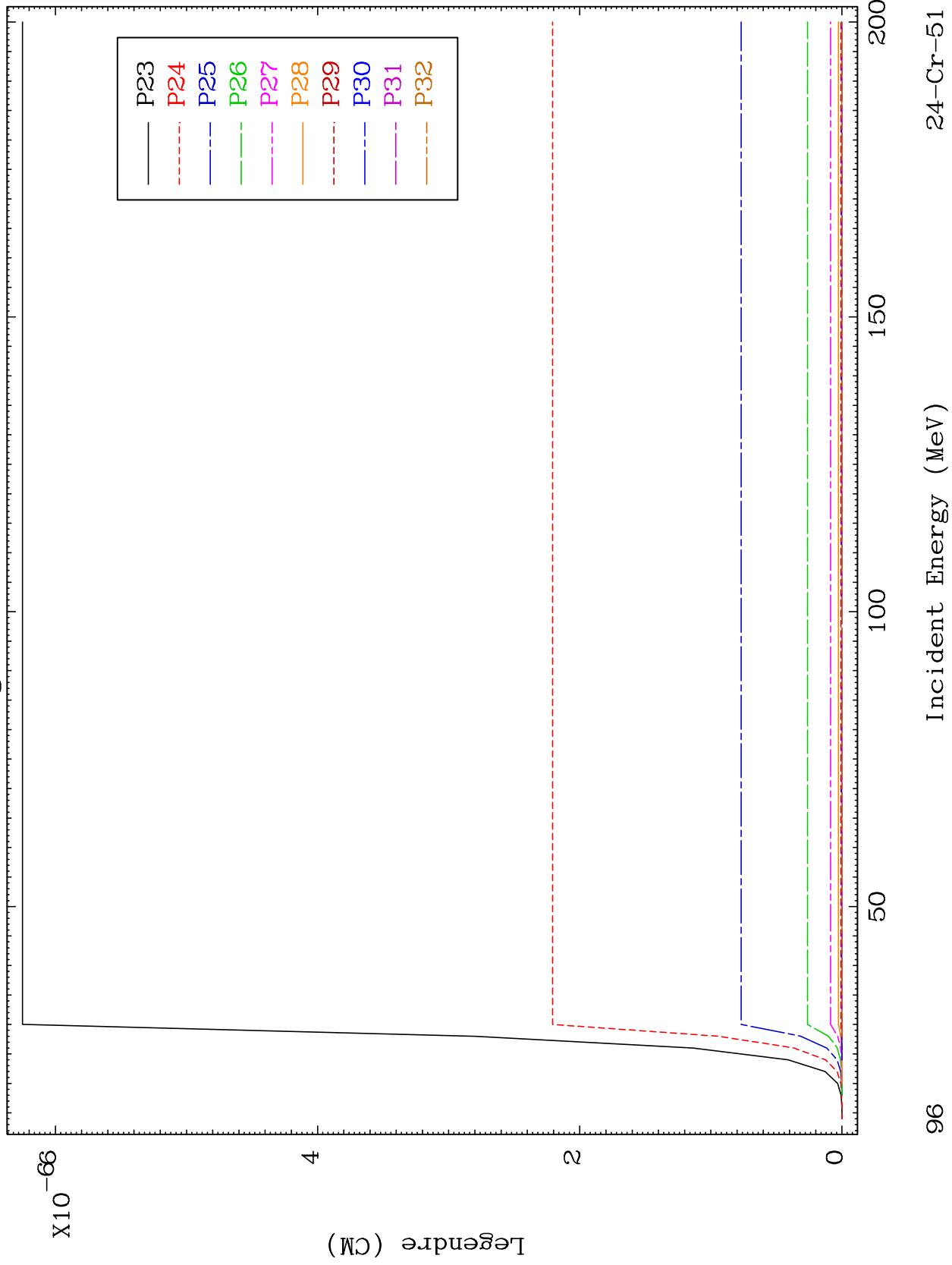
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

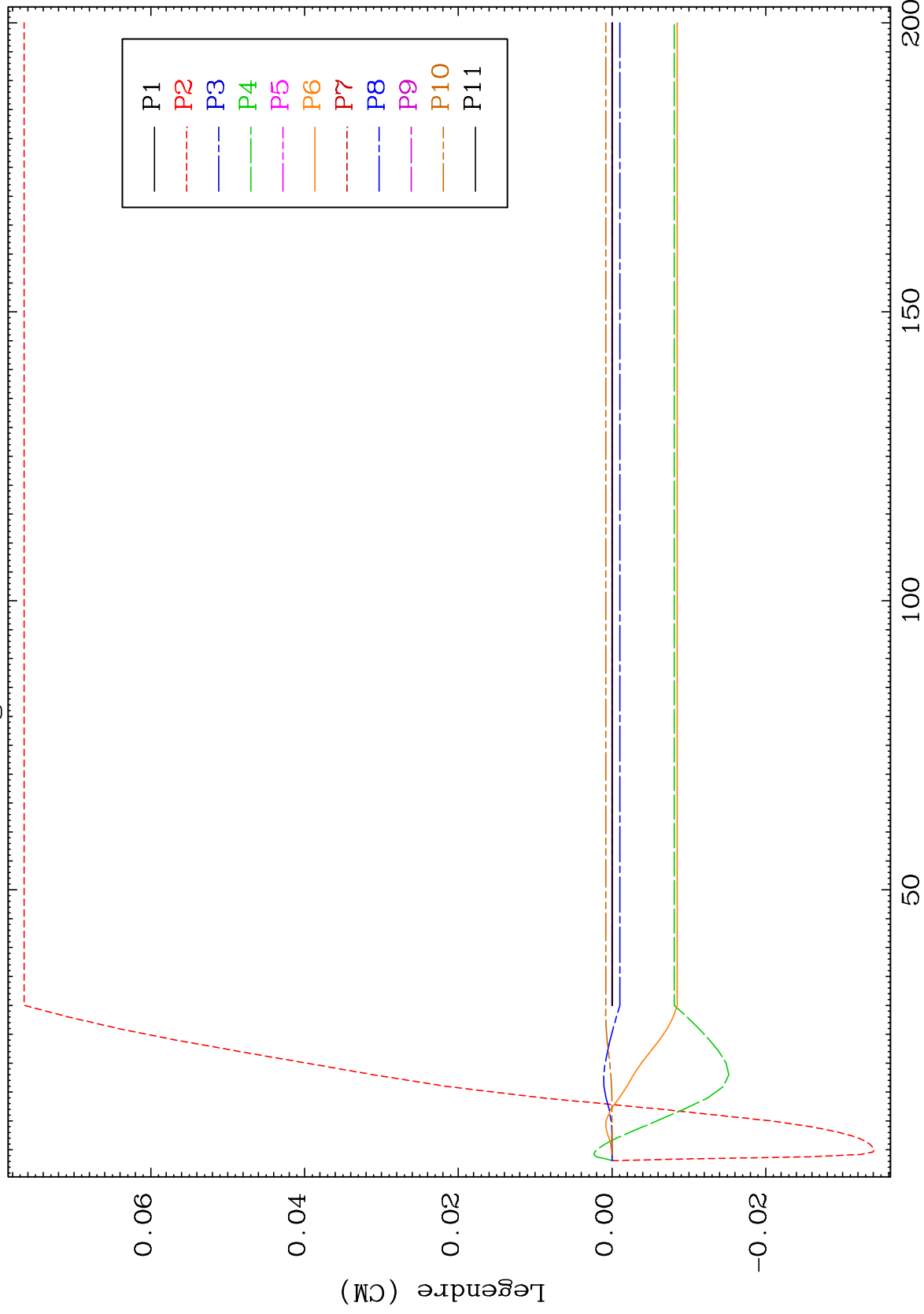
24-Cr-51



MAT 2428

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

24-Cr-51



97

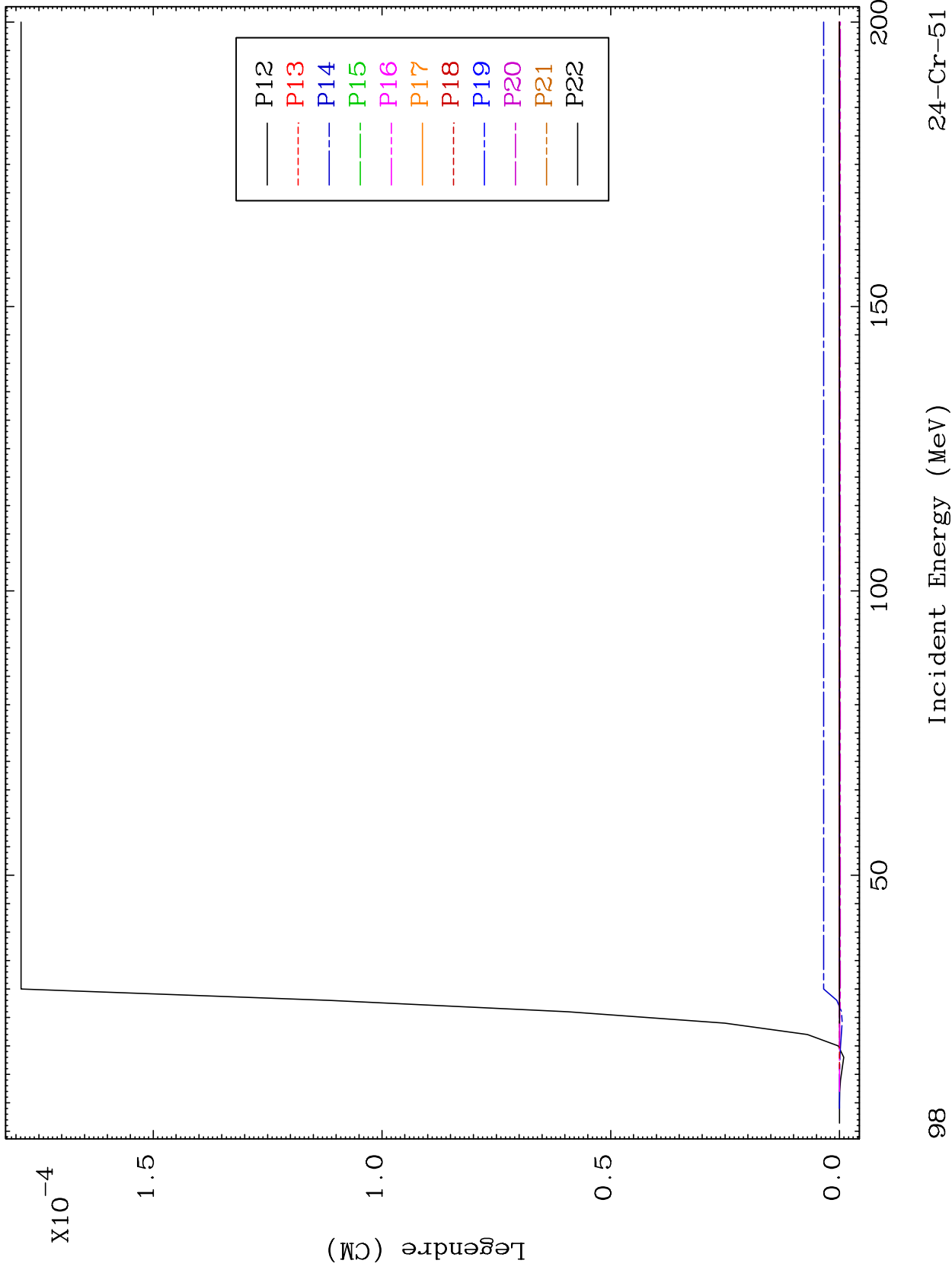
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



98

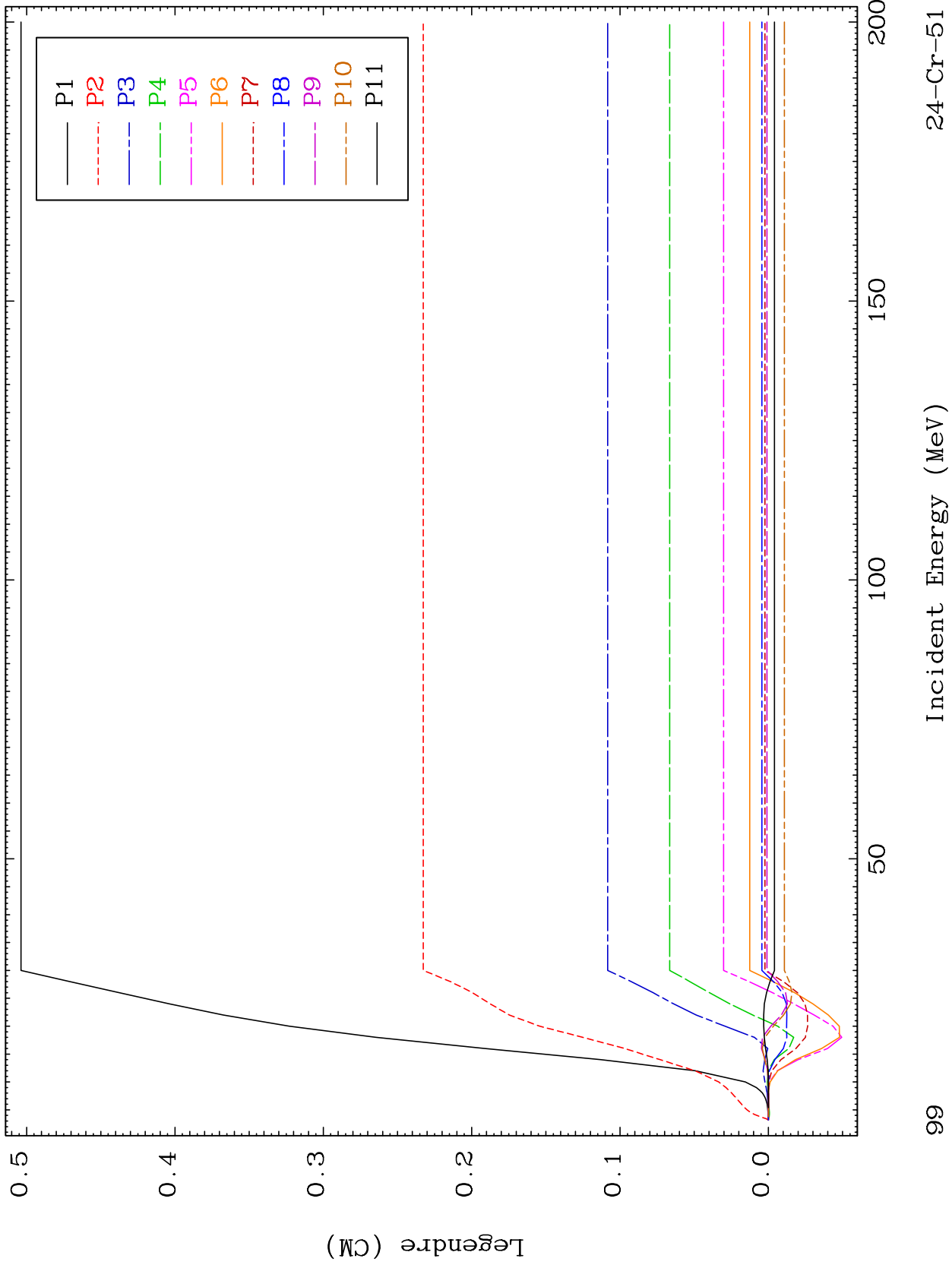
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51



99

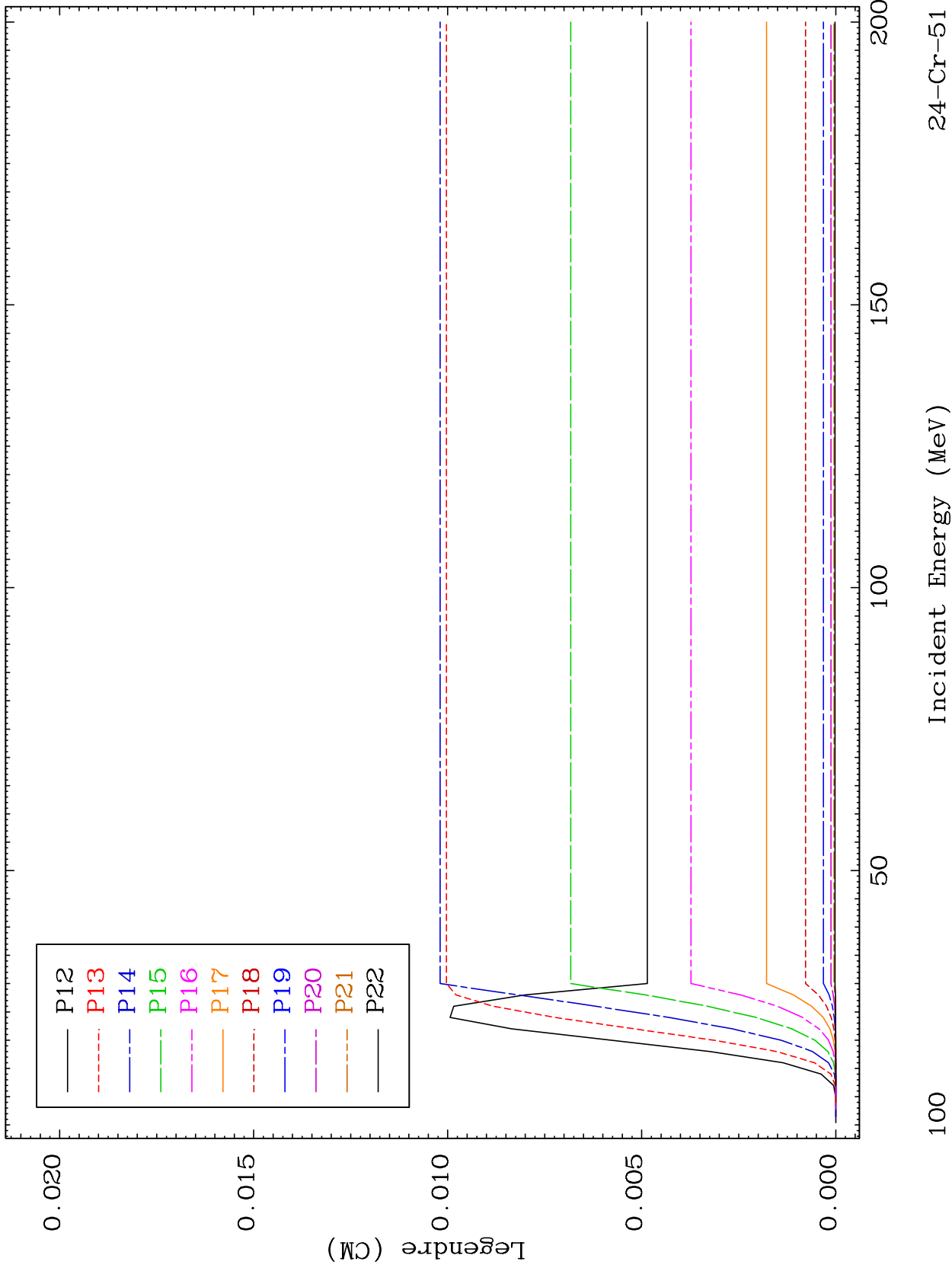
Incident Energy (MeV)

24-Cr-51

MAT 2428

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

24-Cr-51

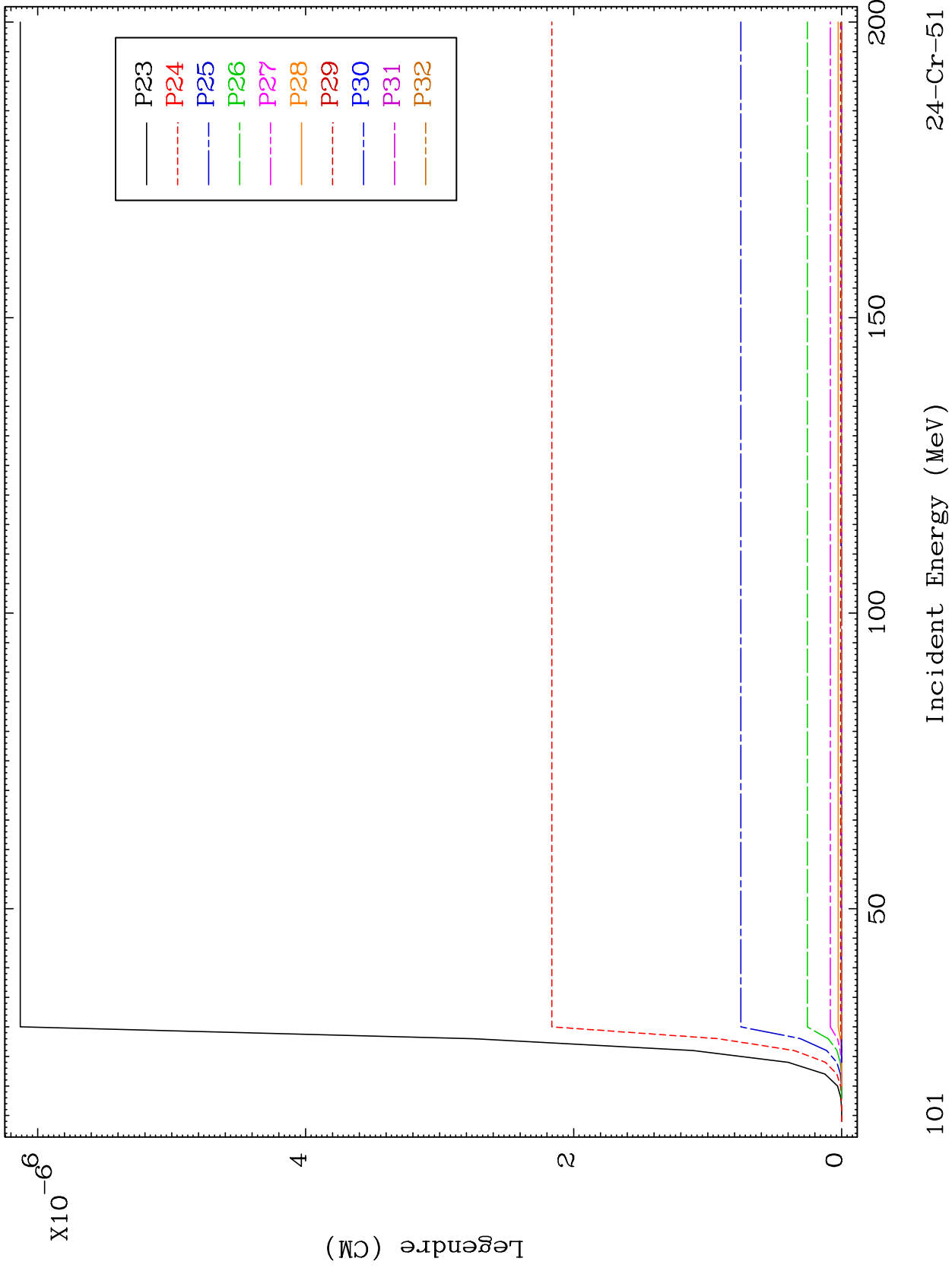


24-Cr-51

MAT 2428

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

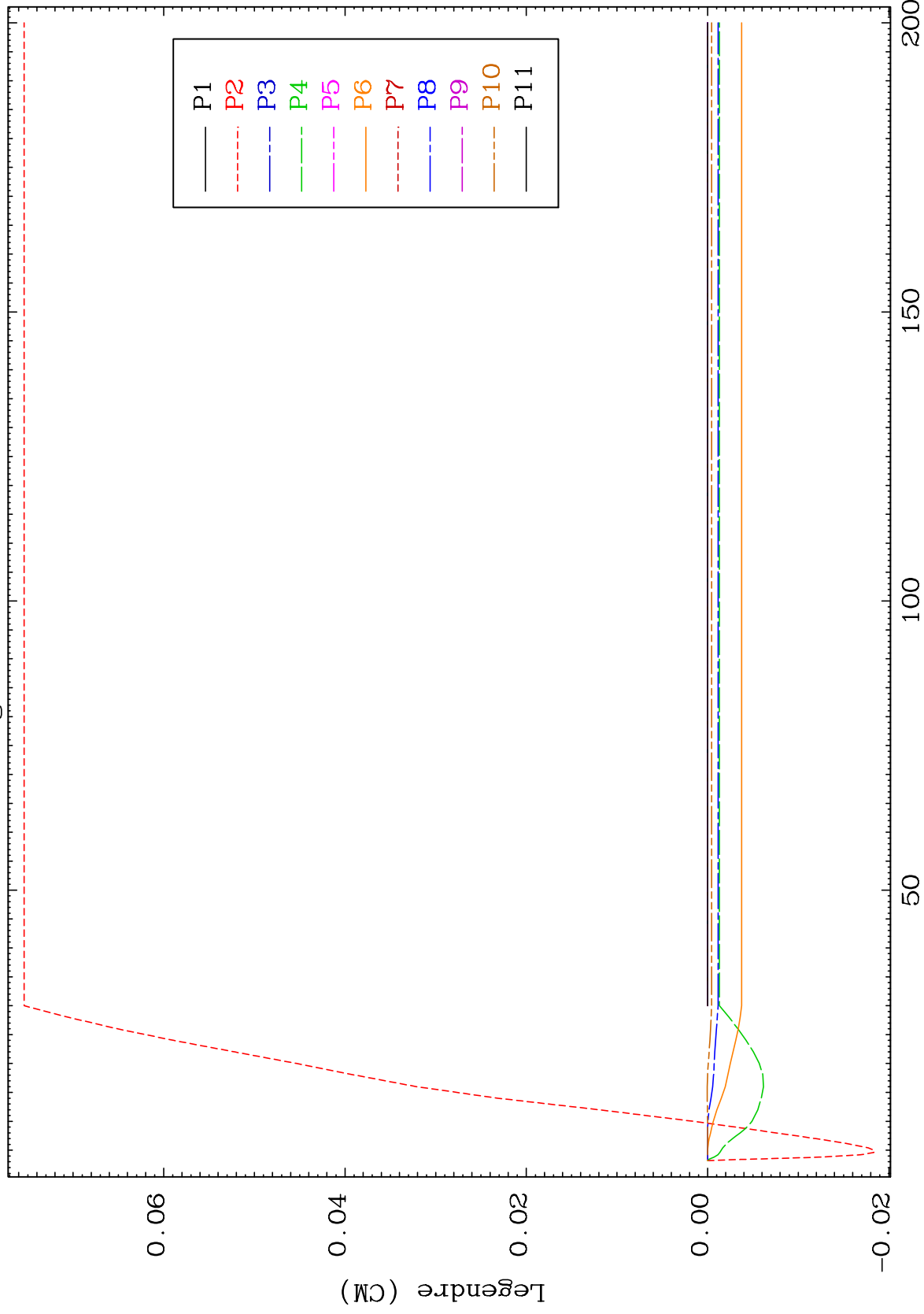
24-Cr-51



MAT 2428

MT= 80 (n,n') Level
Legendre Coefficients

24-Cr-51



102

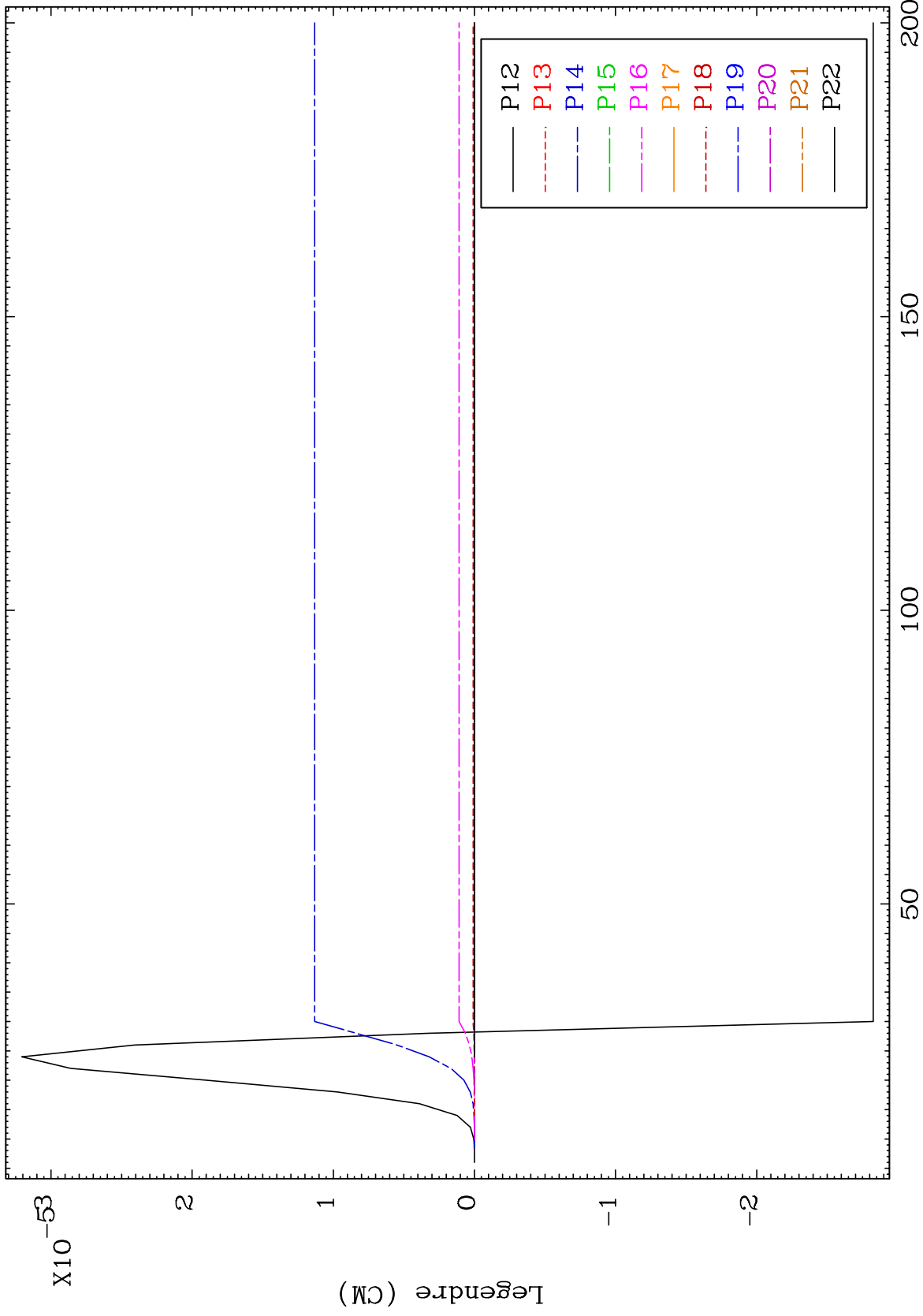
Incident Energy (MeV)

24-Cr-51

MAT 2428

MT= 80 (n,n') Level
Legendre Coefficients

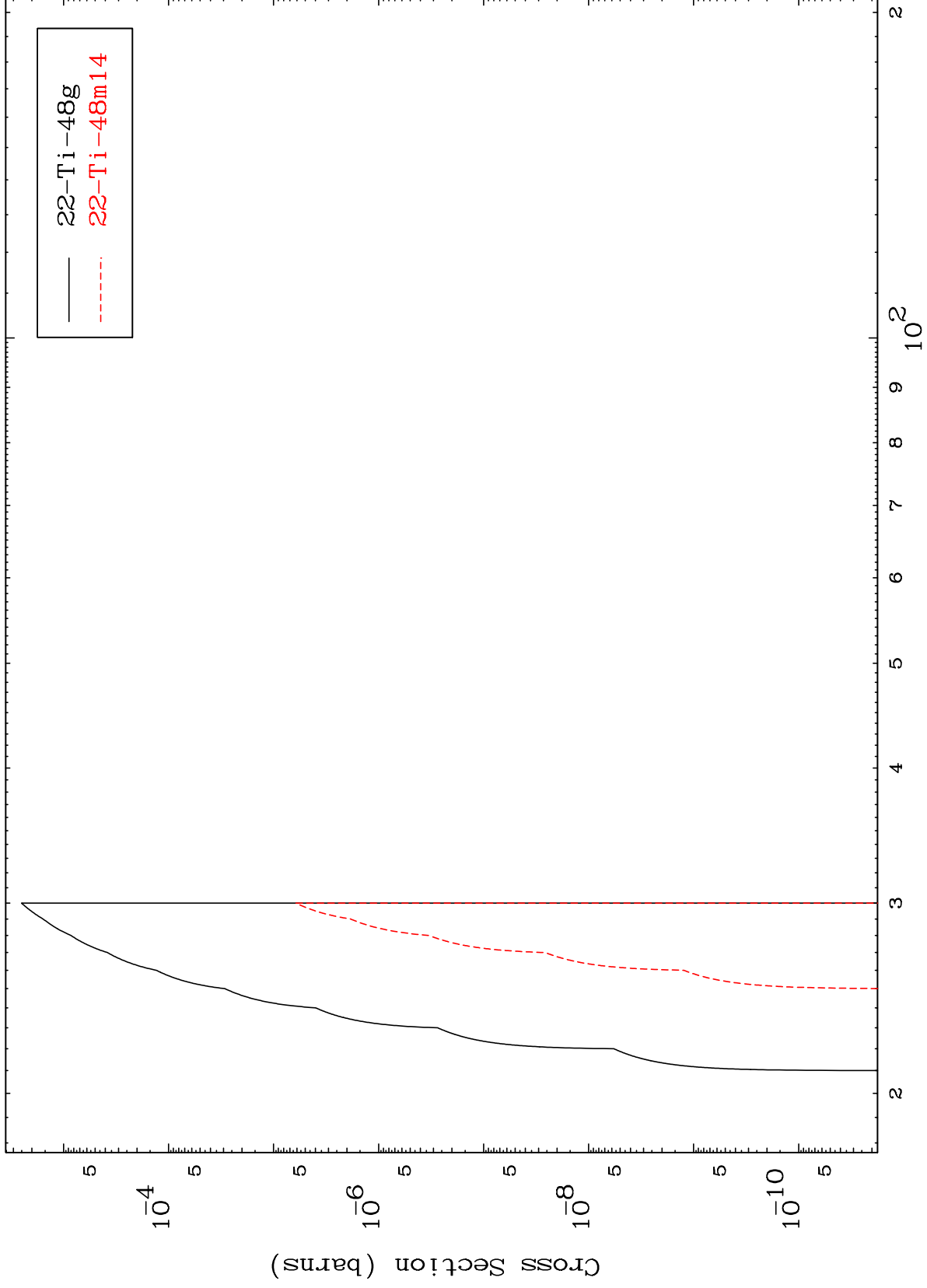
24-Cr-51



103

24-Cr-51

Radionuclide Production Cross Section

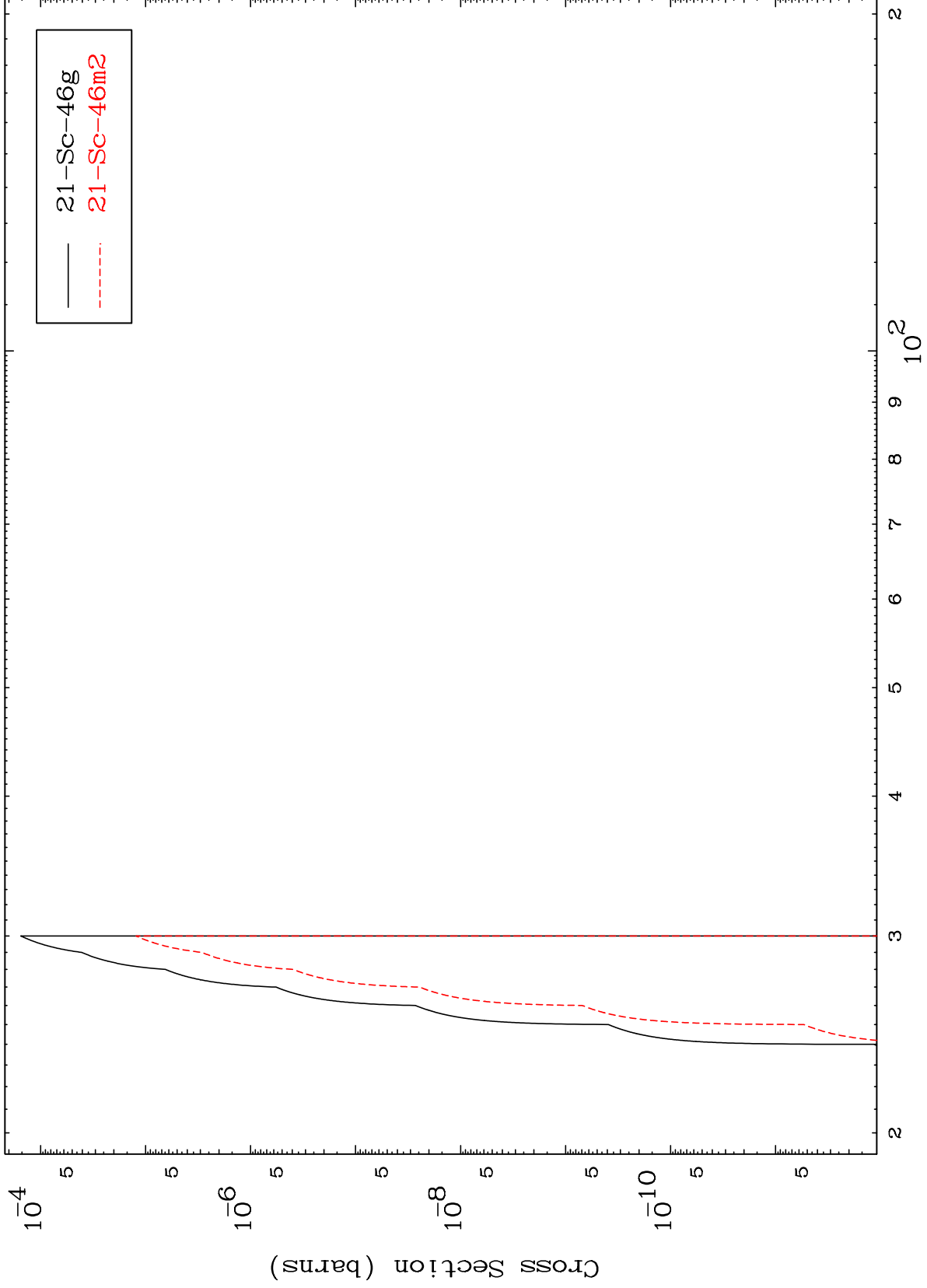


MAT 2428

(n,n') p α

24-Cr-51

Radionuclide Production Cross Section



105

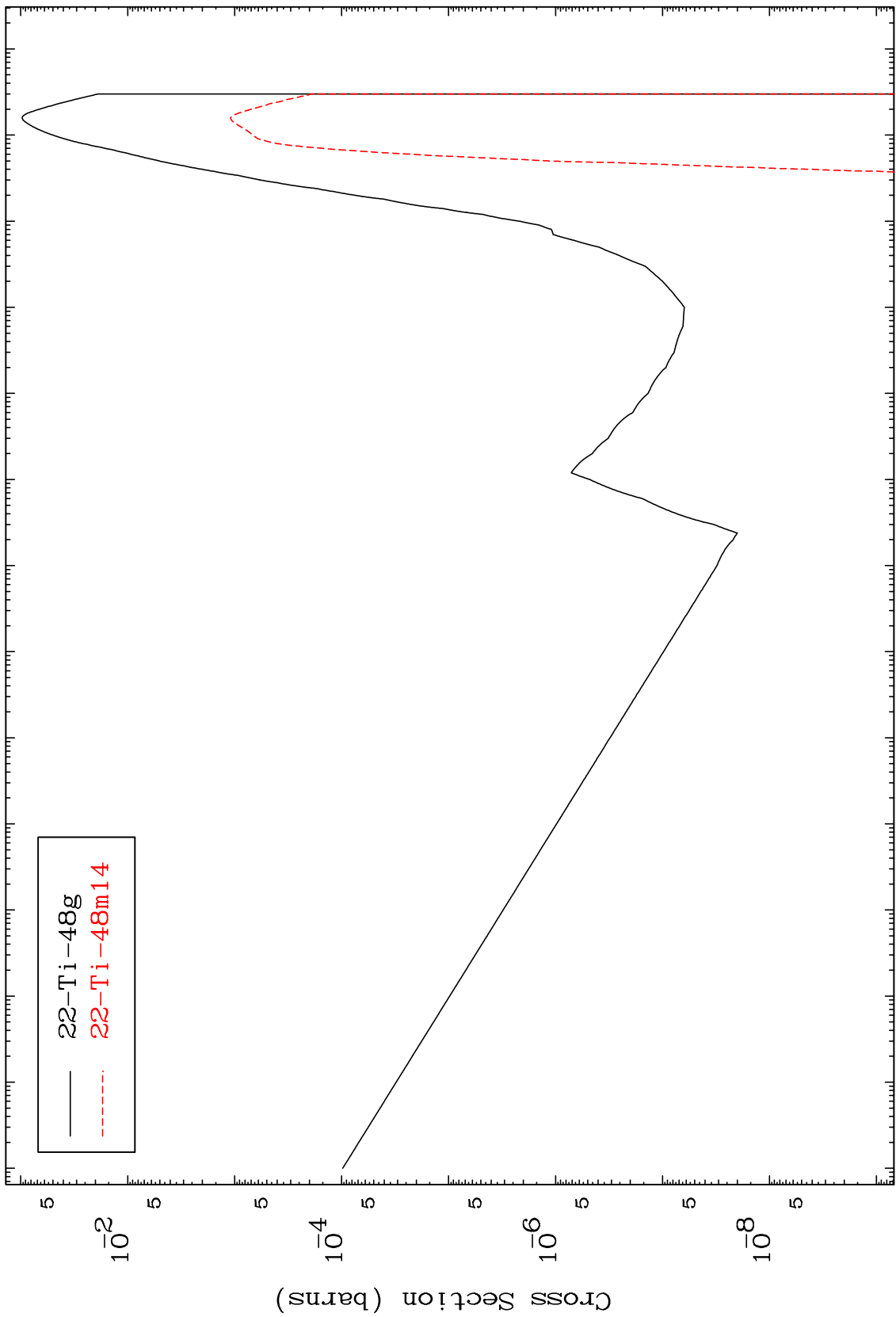
Incident Energy (MeV)

24-Cr-51

MAT 2428

24-Cr-51

Radionuclide Production Cross Section
(n, α)



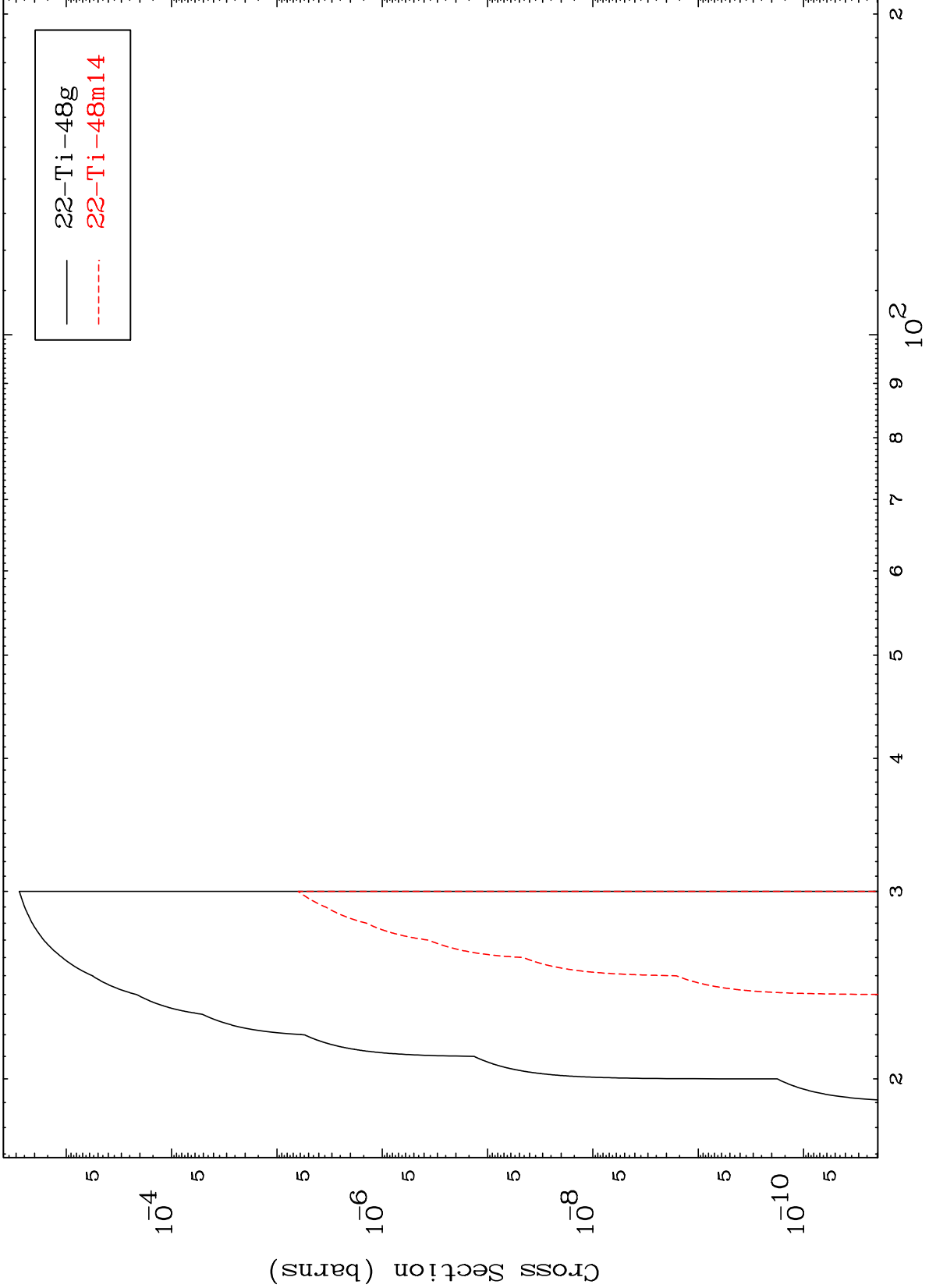
— $^{22}\text{Ti-48g}$
- - - $^{22}\text{Ti-48m14}$

24-Cr-51

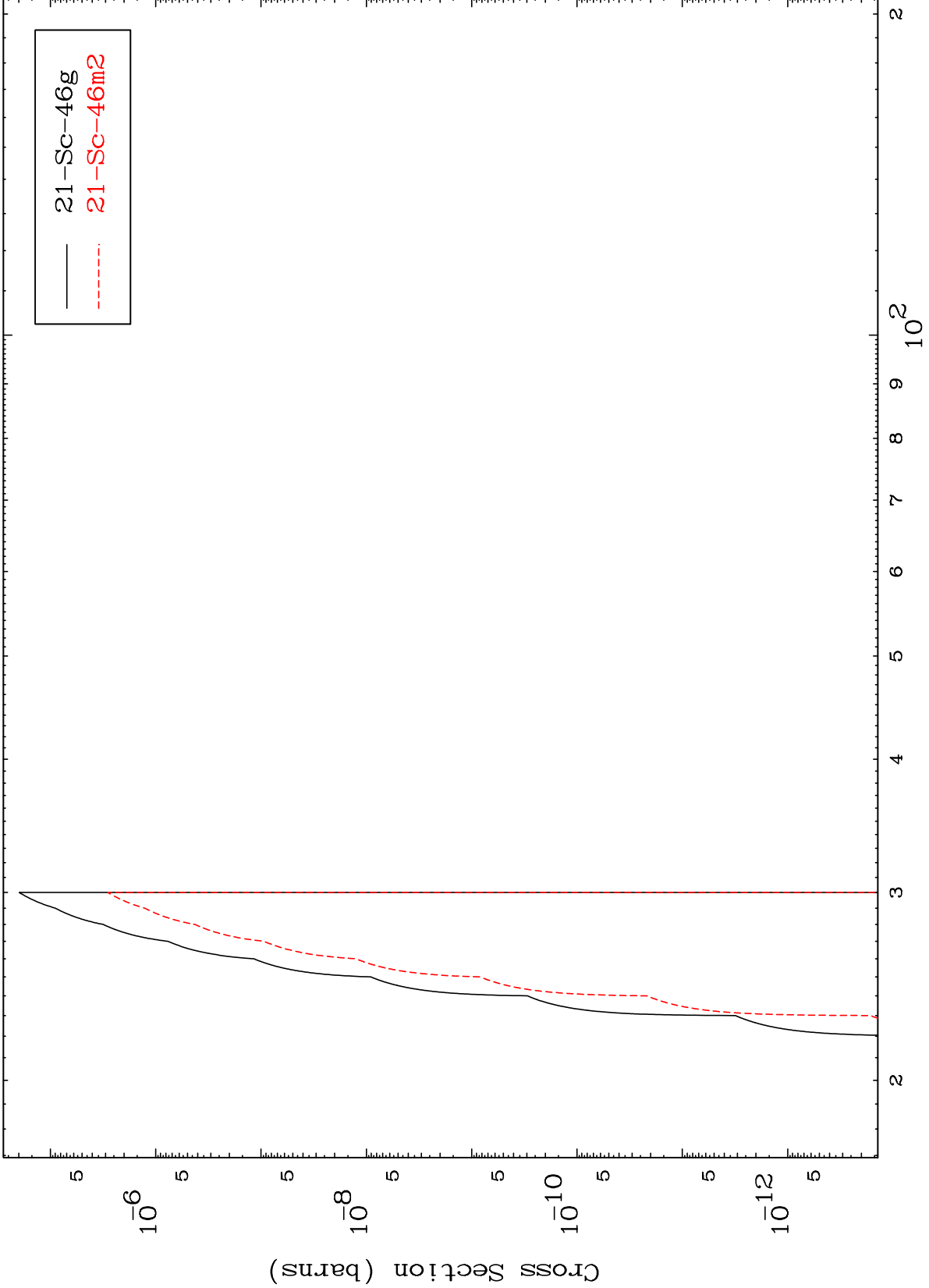
Incident Energy (MeV)

106

Radionuclide Production Cross Section



Radionuclide Production Cross Section



21-Sc-46g
21-Sc-46m2