

Program EVALPLOT
(Version 2015-2)

by

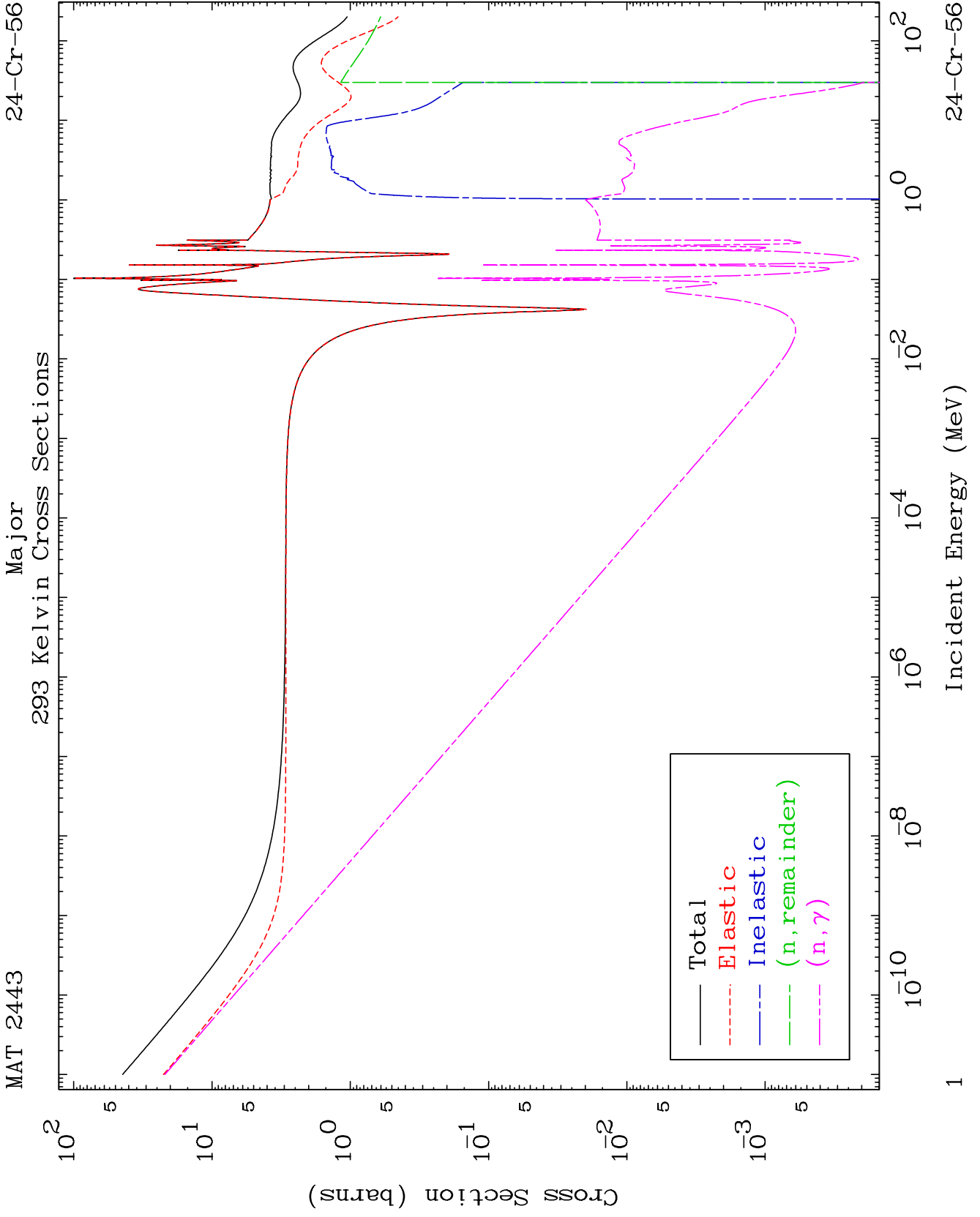
Dermott E. Cullen
(Present Contact Information)

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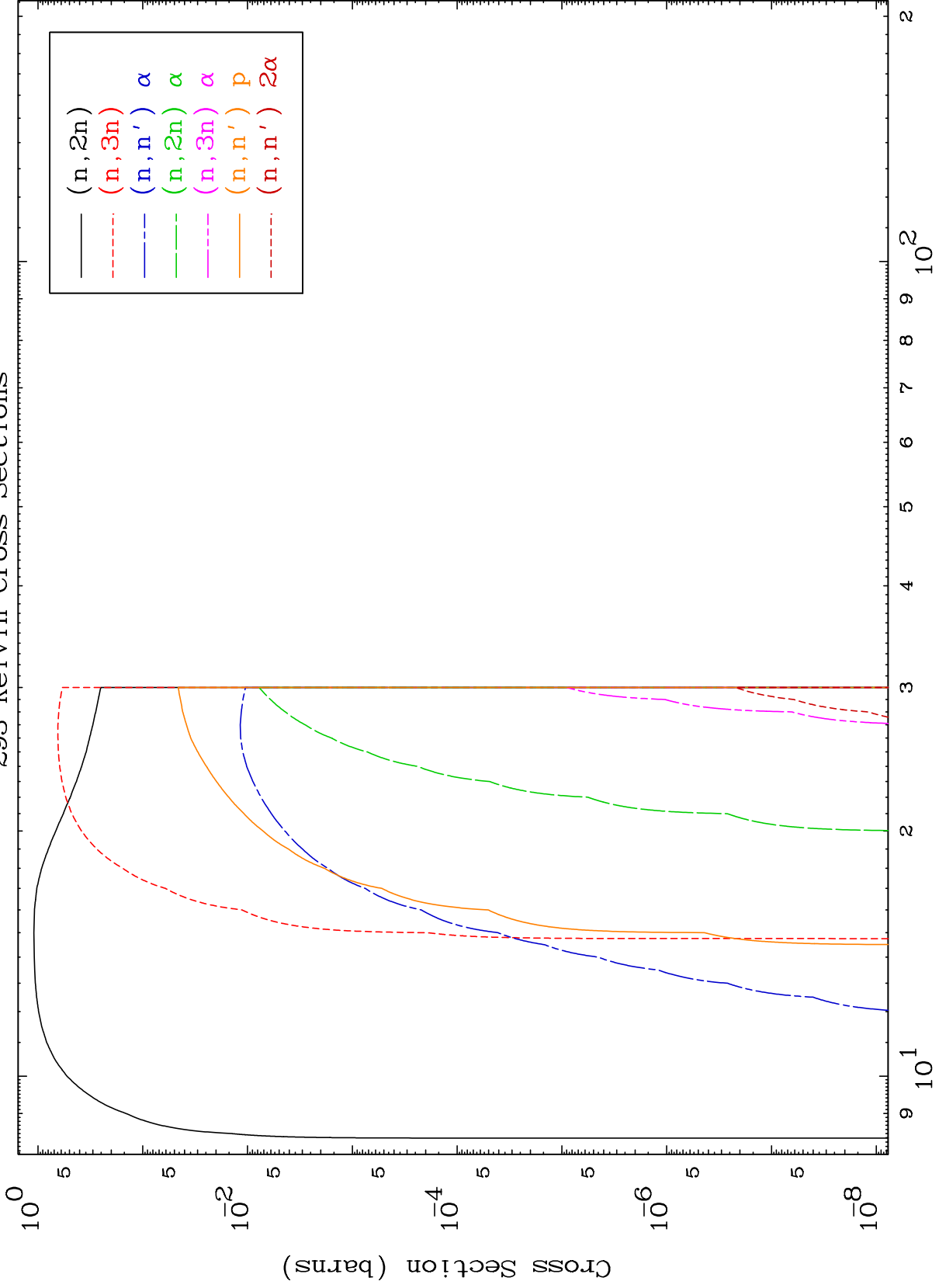
Press Mouse Button to Start



MAT 2443

Neutron Production
293 Kelvin Cross Sections

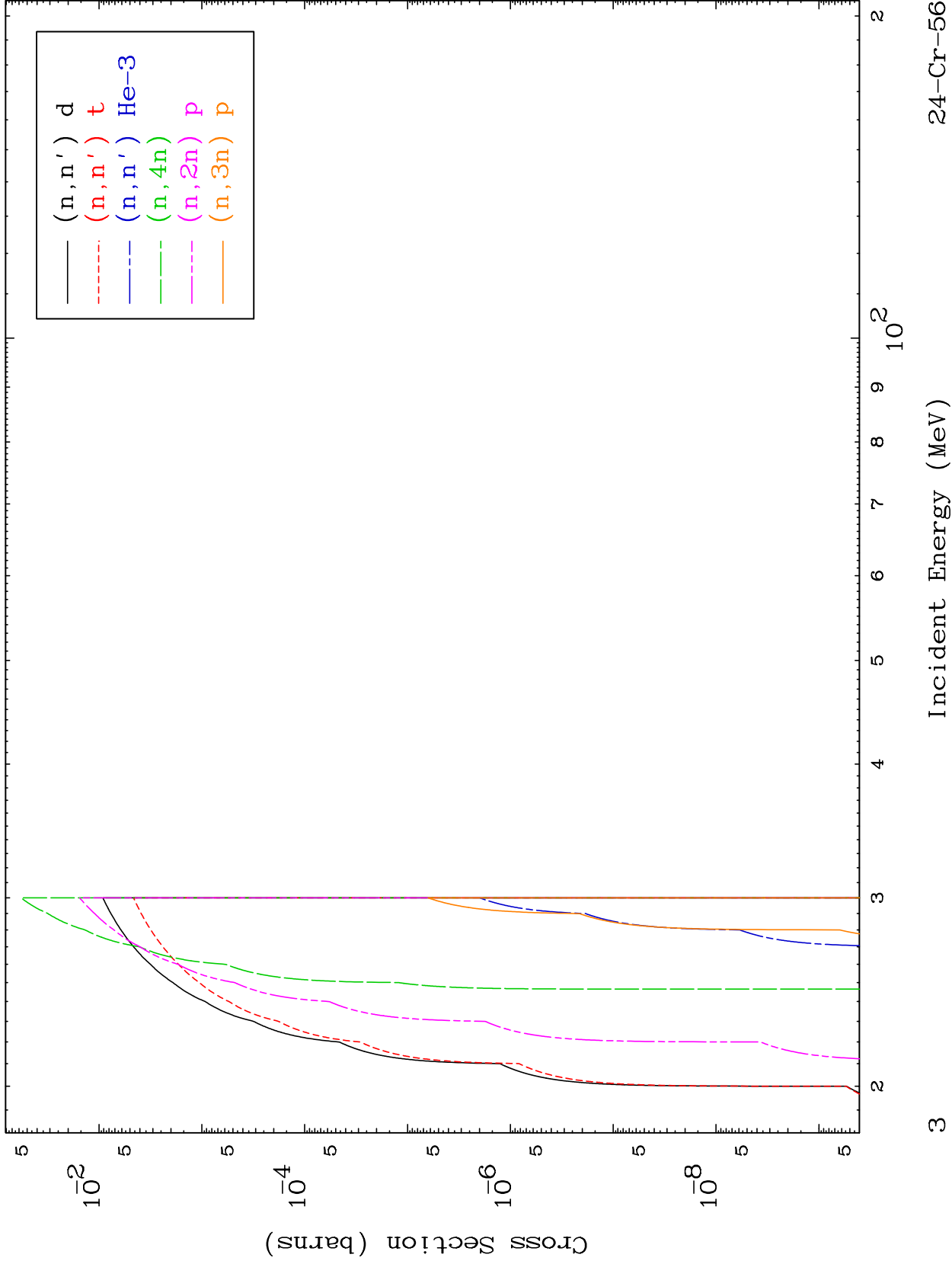
24-Cr-56



2

Incident Energy (MeV)

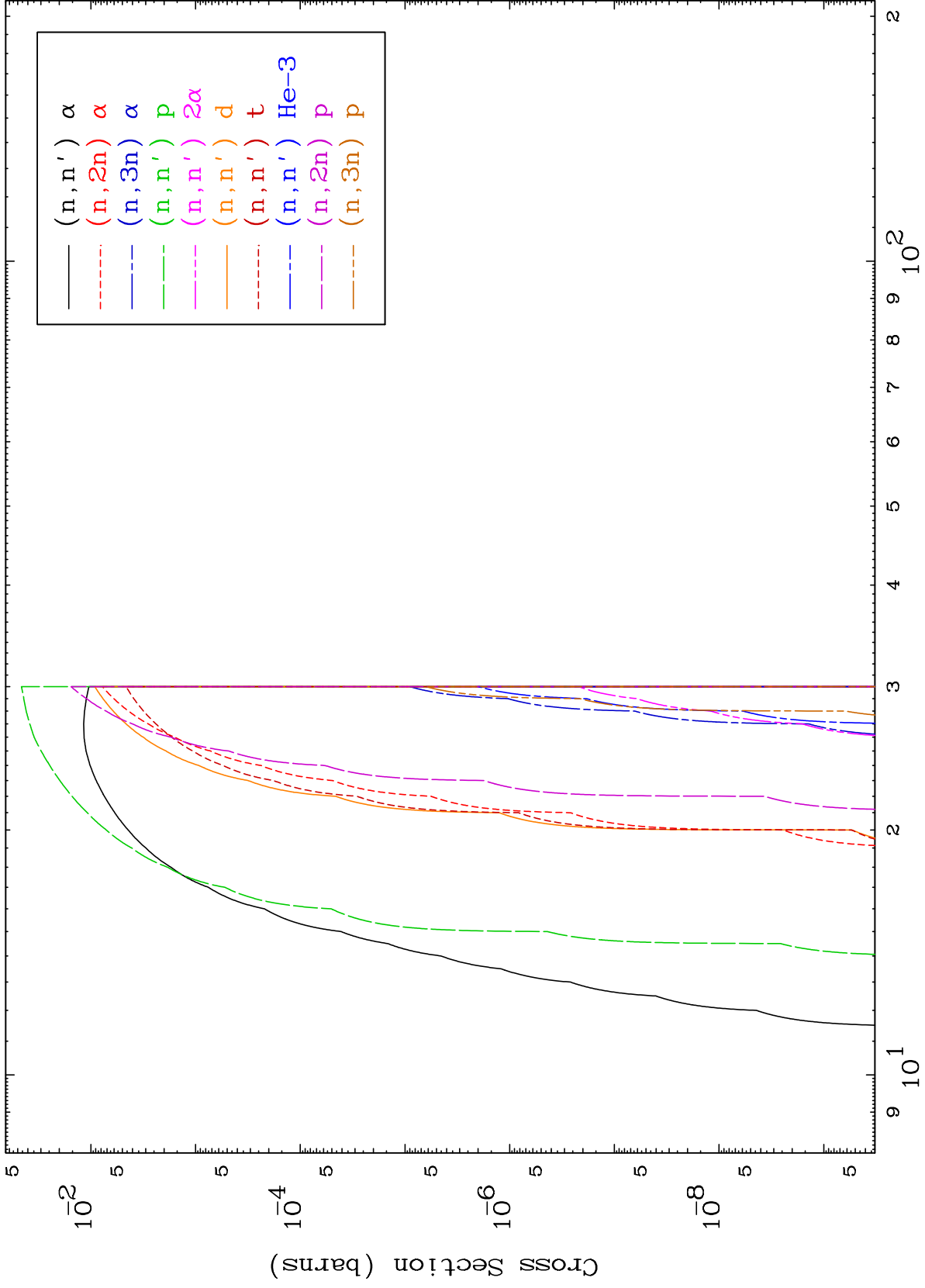
24-Cr-56



MAT 2443

Charged Particle
293 Kelvin Cross Sections

24-Cr-56



4

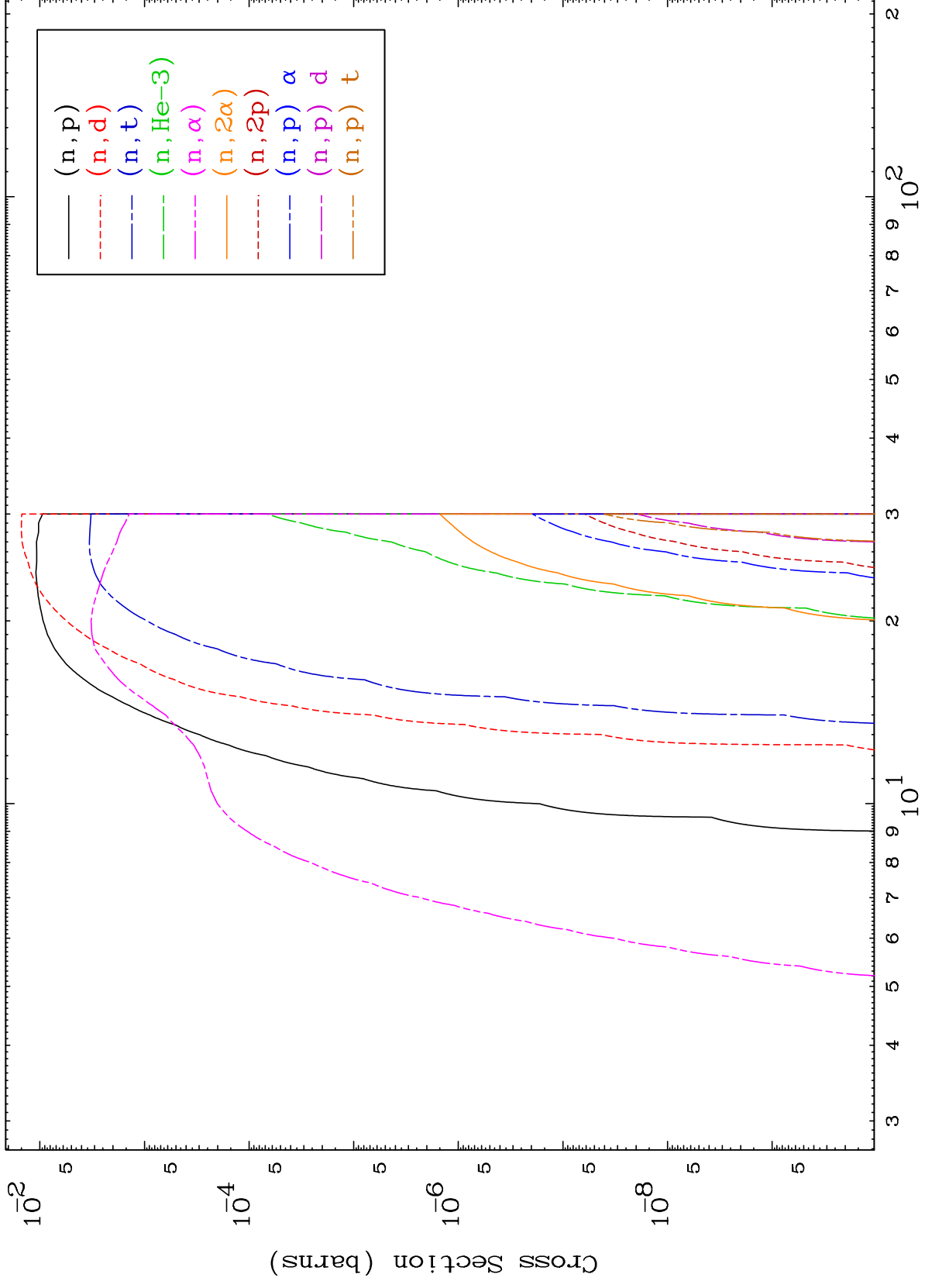
Incident Energy (MeV)

24-Cr-56

MAT 2443

Charged Particle
293 Kelvin Cross Sections

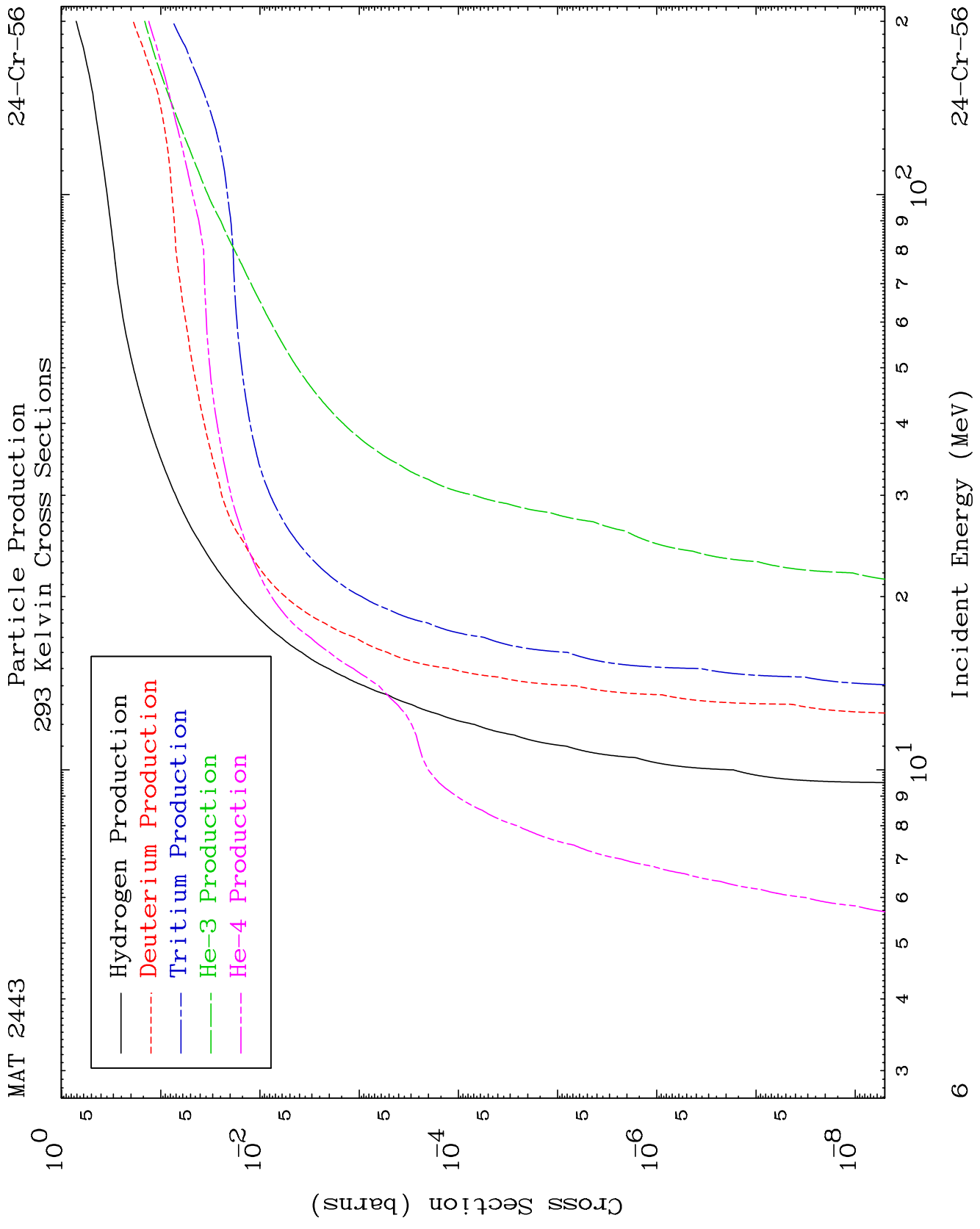
24-Cr-56



5

Incident Energy (MeV)

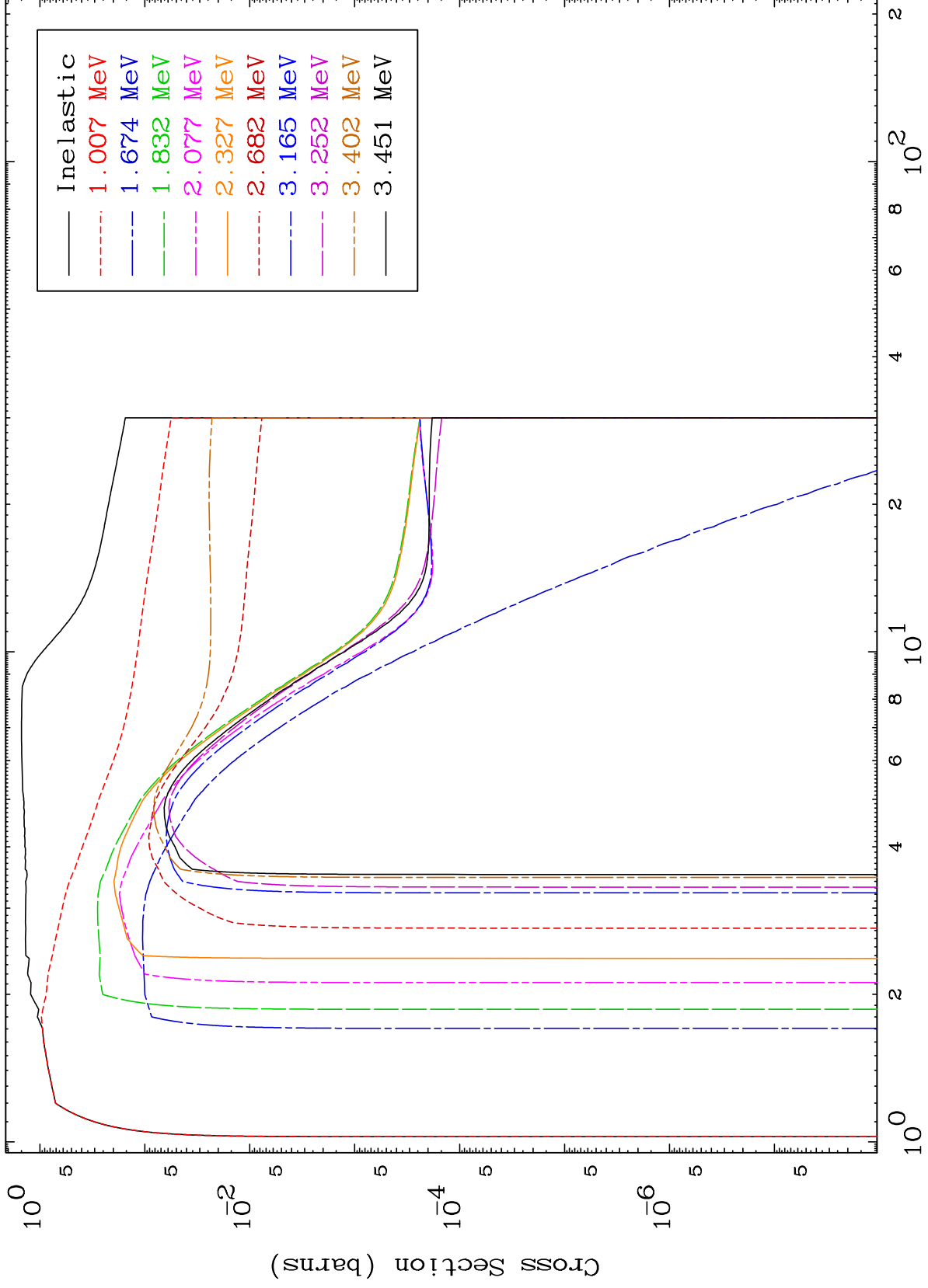
24-Cr-56



MAT 2443

(n,n') Level
293 Kelvin Cross Sections

24-Cr-56



Incident Energy (MeV)

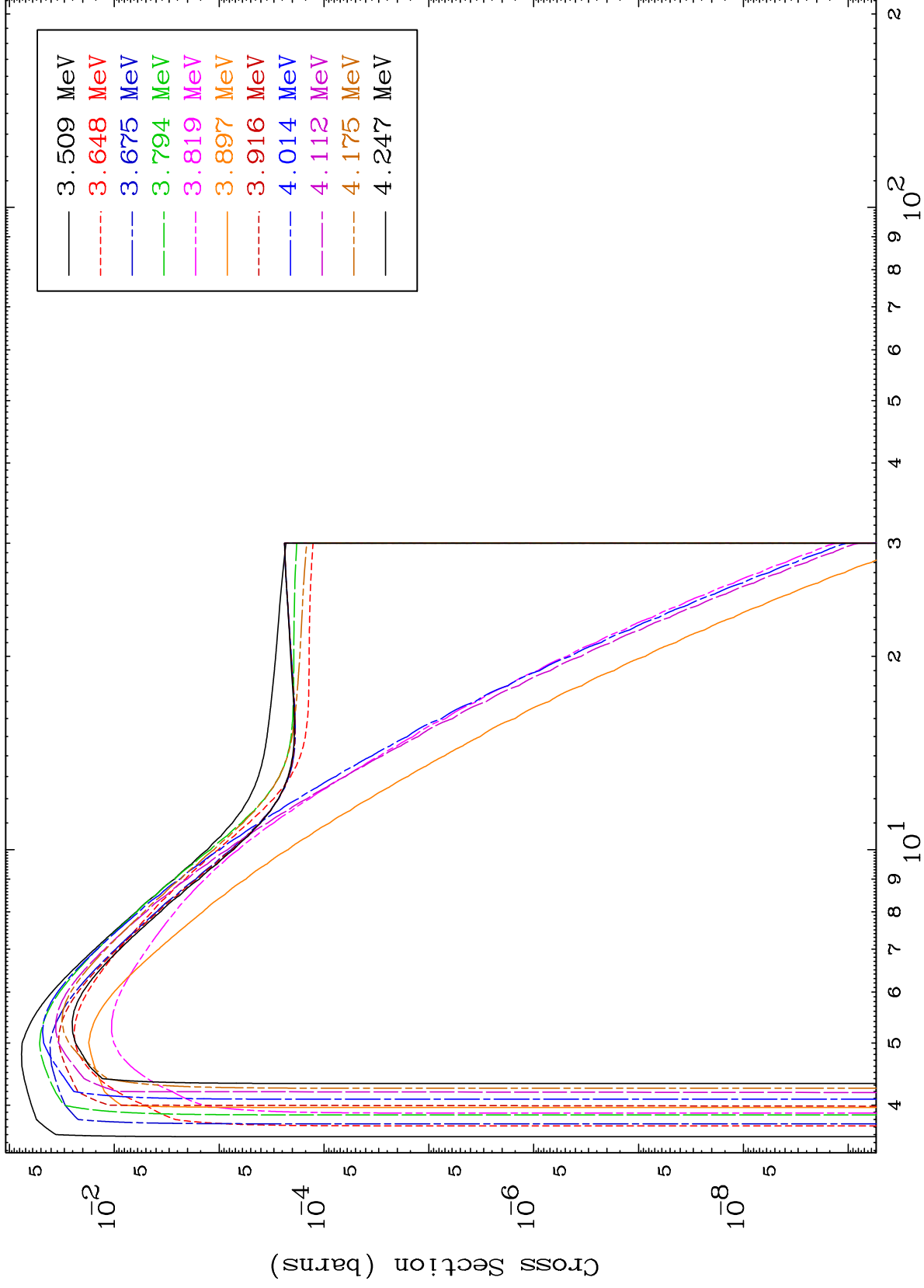
24-Cr-56

7

MAT 2443

(n,n') Level
293 Kelvin Cross Sections

24-Cr-56



8

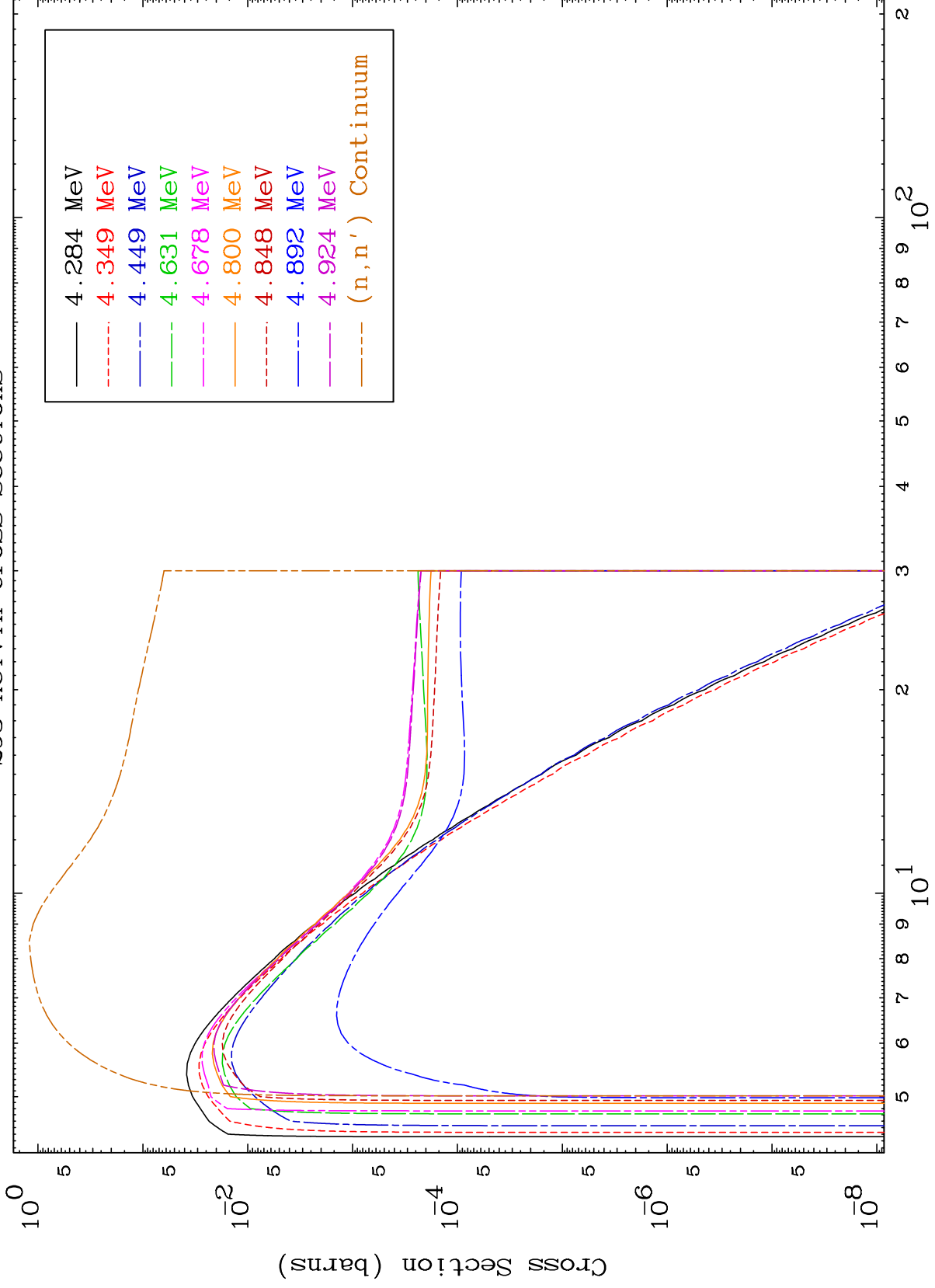
Incident Energy (MeV)

24-Cr-56

MAT 2443

(n,n') Level
293 Kelvin Cross Sections

24-Cr-56



9

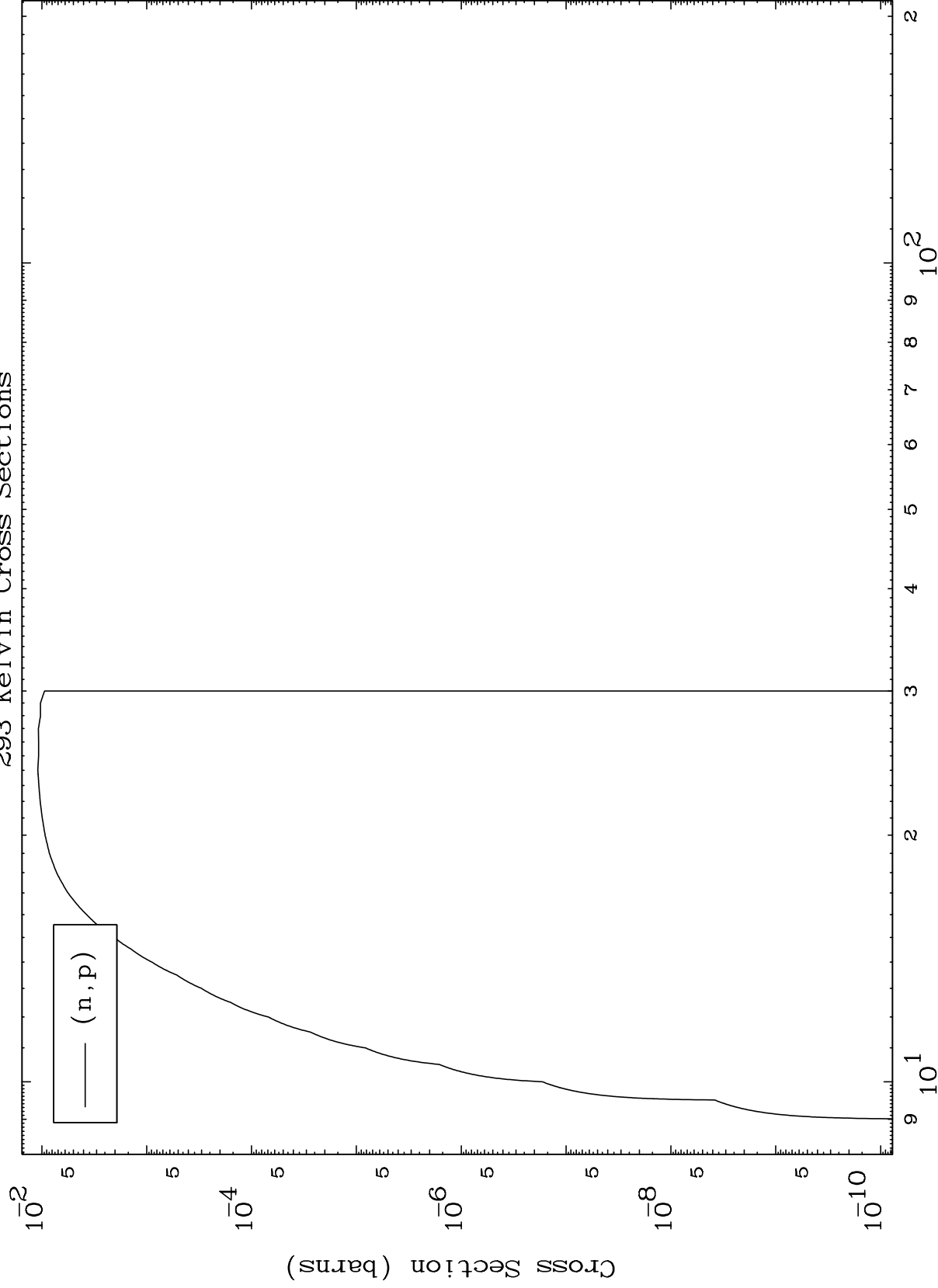
Incident Energy (MeV)

24-Cr-56

MAT 2443

(n,p) Levels
293 Kelvin Cross Sections

24-Cr-56



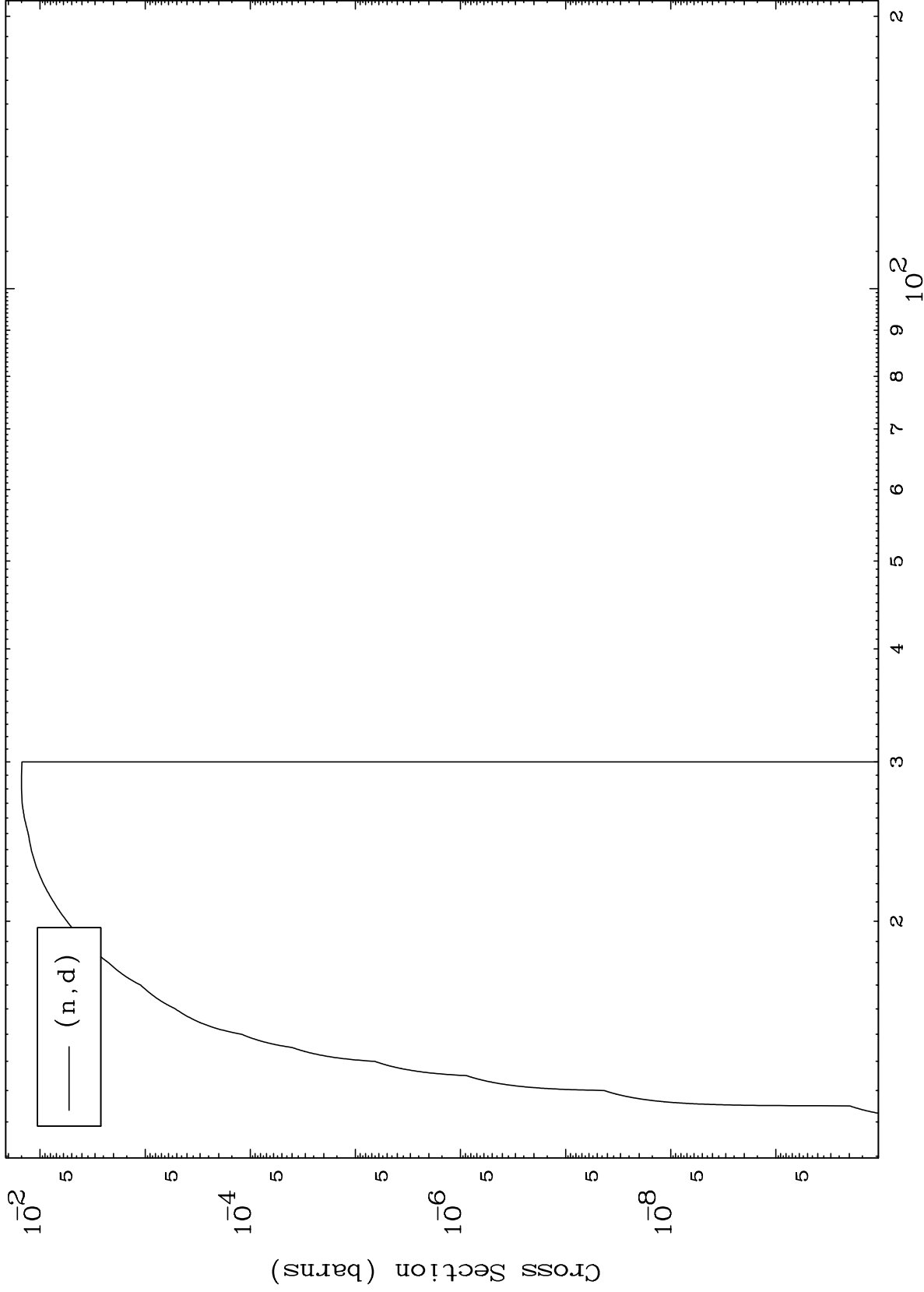
Incident Energy (MeV)

24-Cr-56

MAT 2443

(n,d) Levels
293 Kelvin Cross Sections

²⁴Cr-56



11

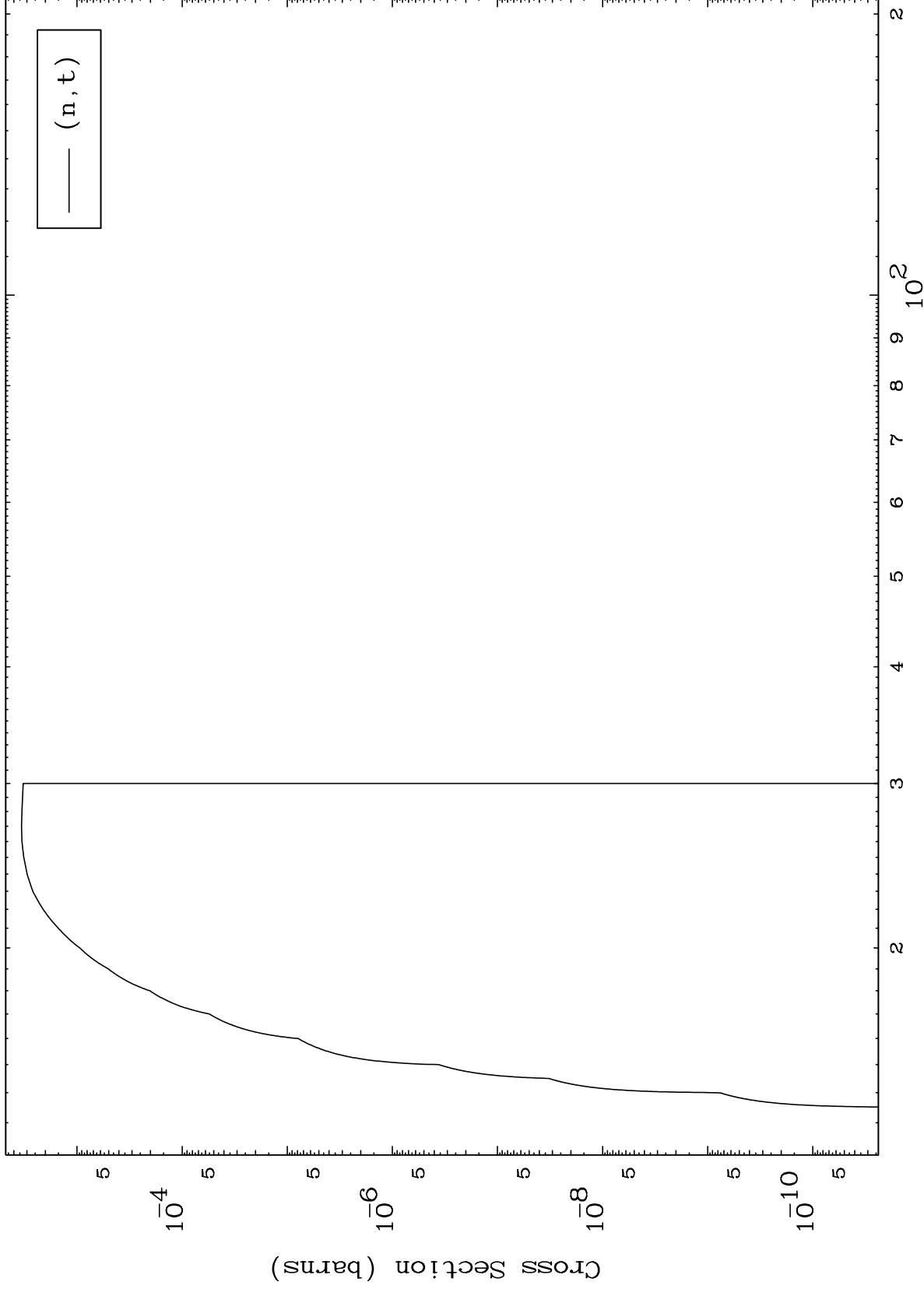
Incident Energy (MeV)

²⁴Cr-56

MAT 2443

(n,t) Levels
293 Kelvin Cross Sections

24-Cr-56



12

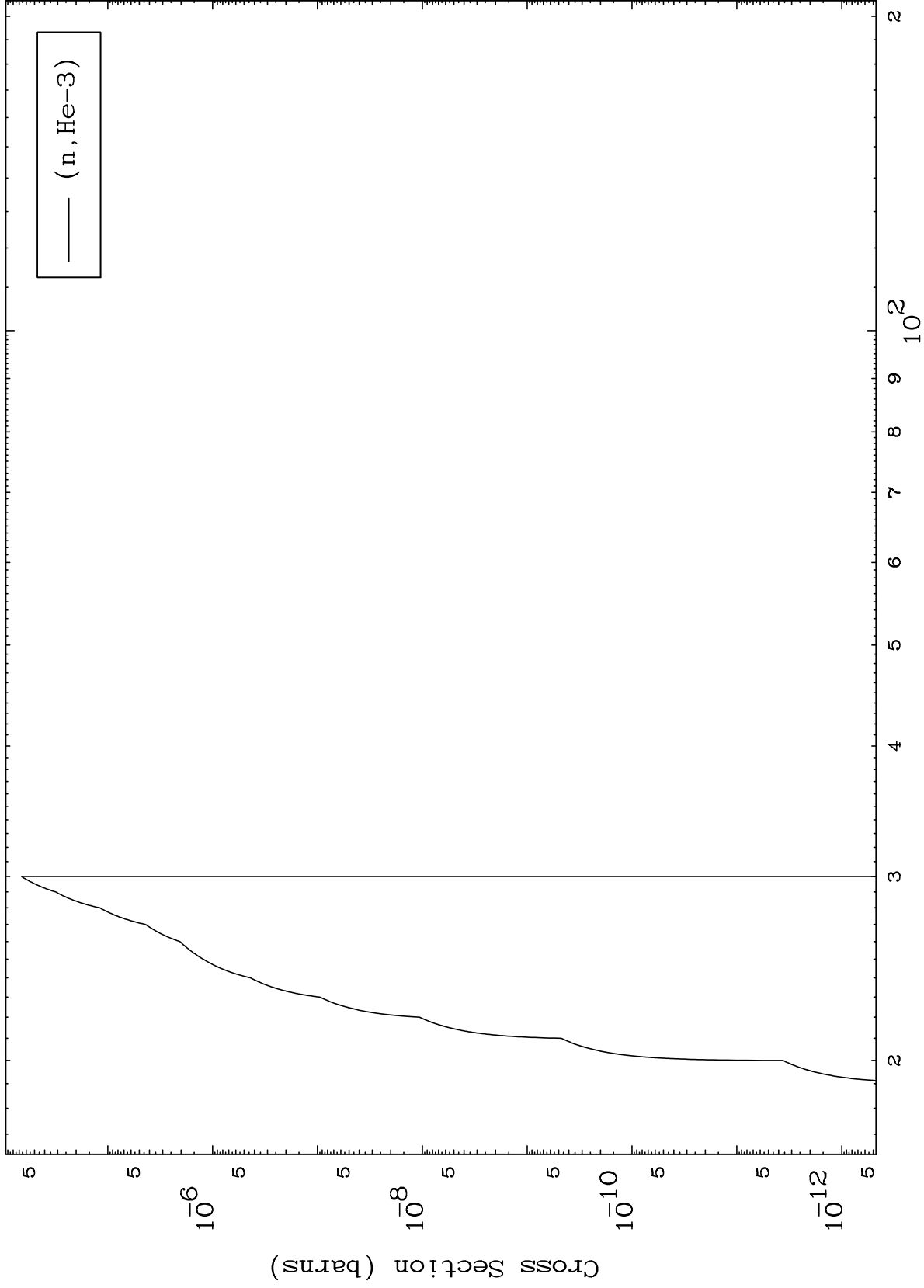
Incident Energy (MeV)

24-Cr-56

MAT 2443

(n,He3) Levels
293 Kelvin Cross Sections

24-Cr-56



13

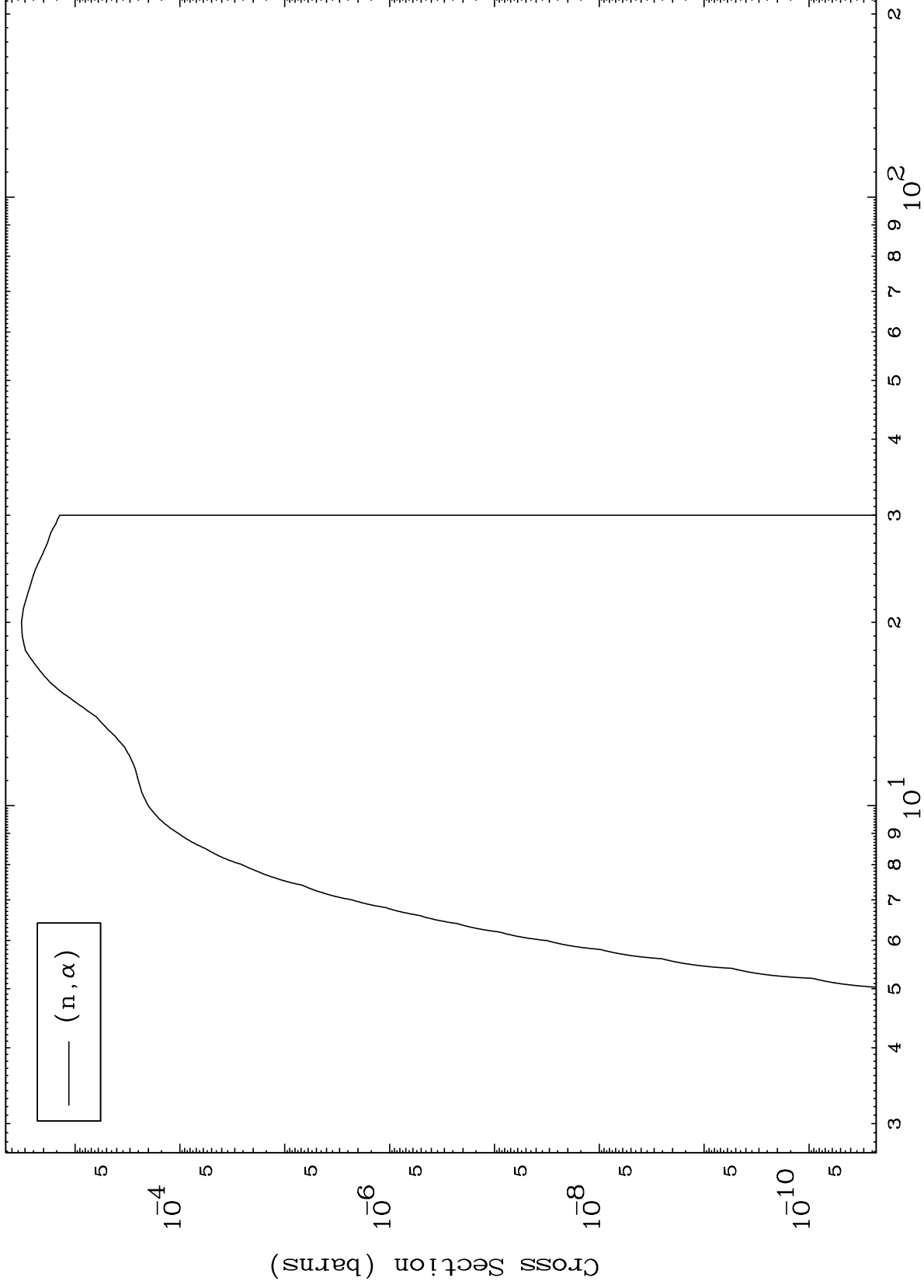
Incident Energy (MeV)

24-Cr-56

MAT 2443

(n, α) Levels
293 Kelvin Cross Sections

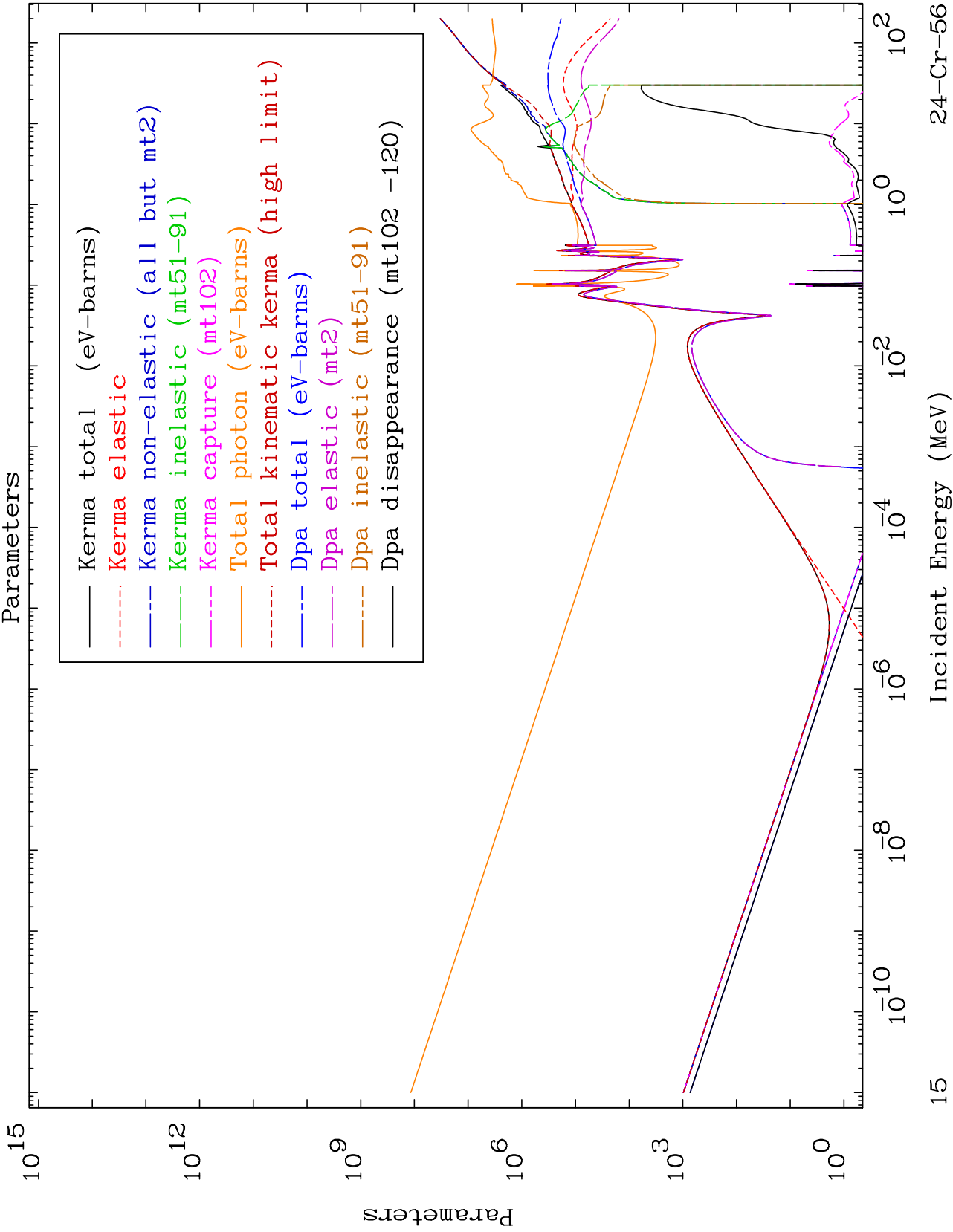
24-Cr-56



14

Incident Energy (MeV)

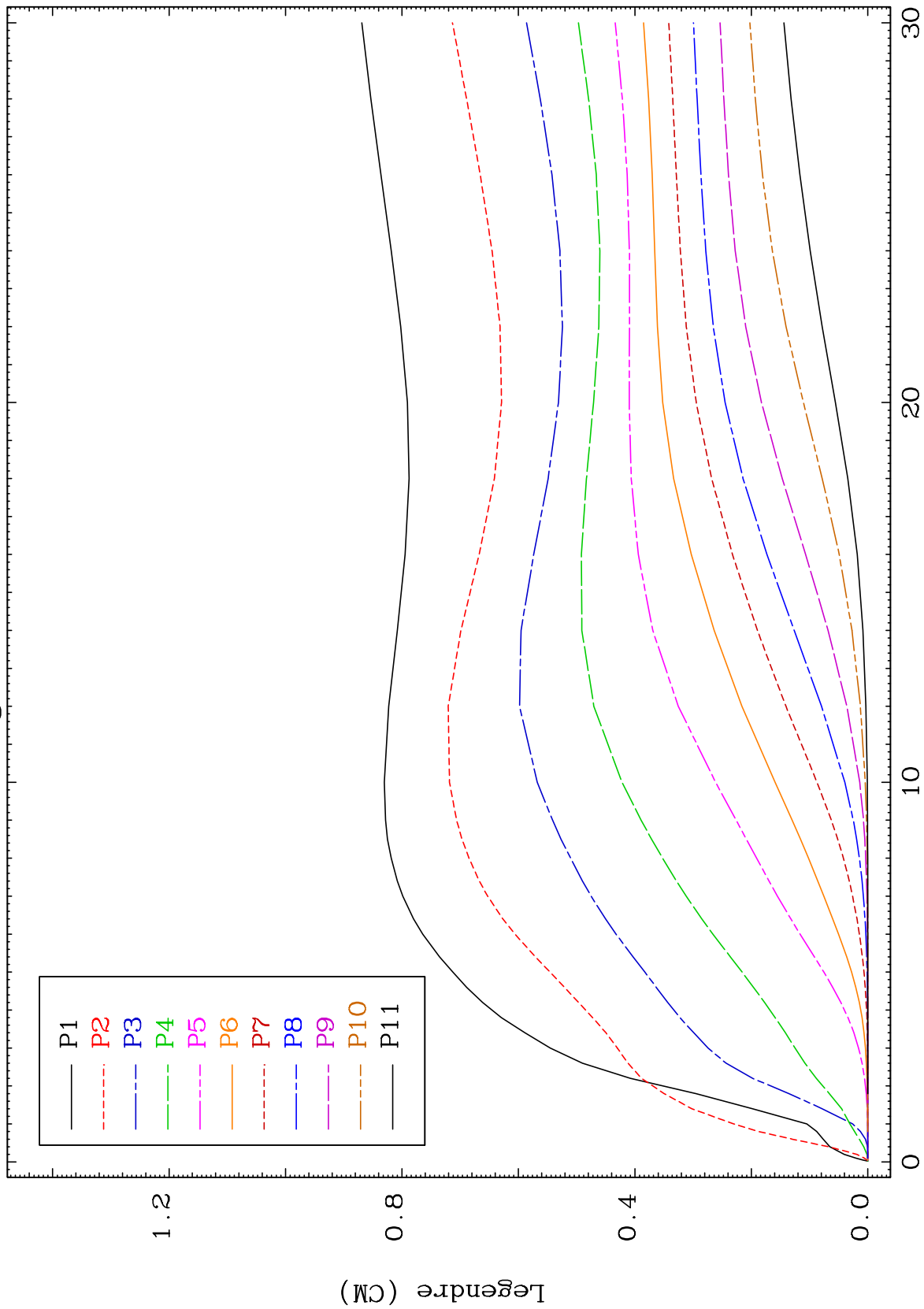
24-Cr-56



MAT 2443

Elastic Legendre Coefficients

²⁴Cr-56



16

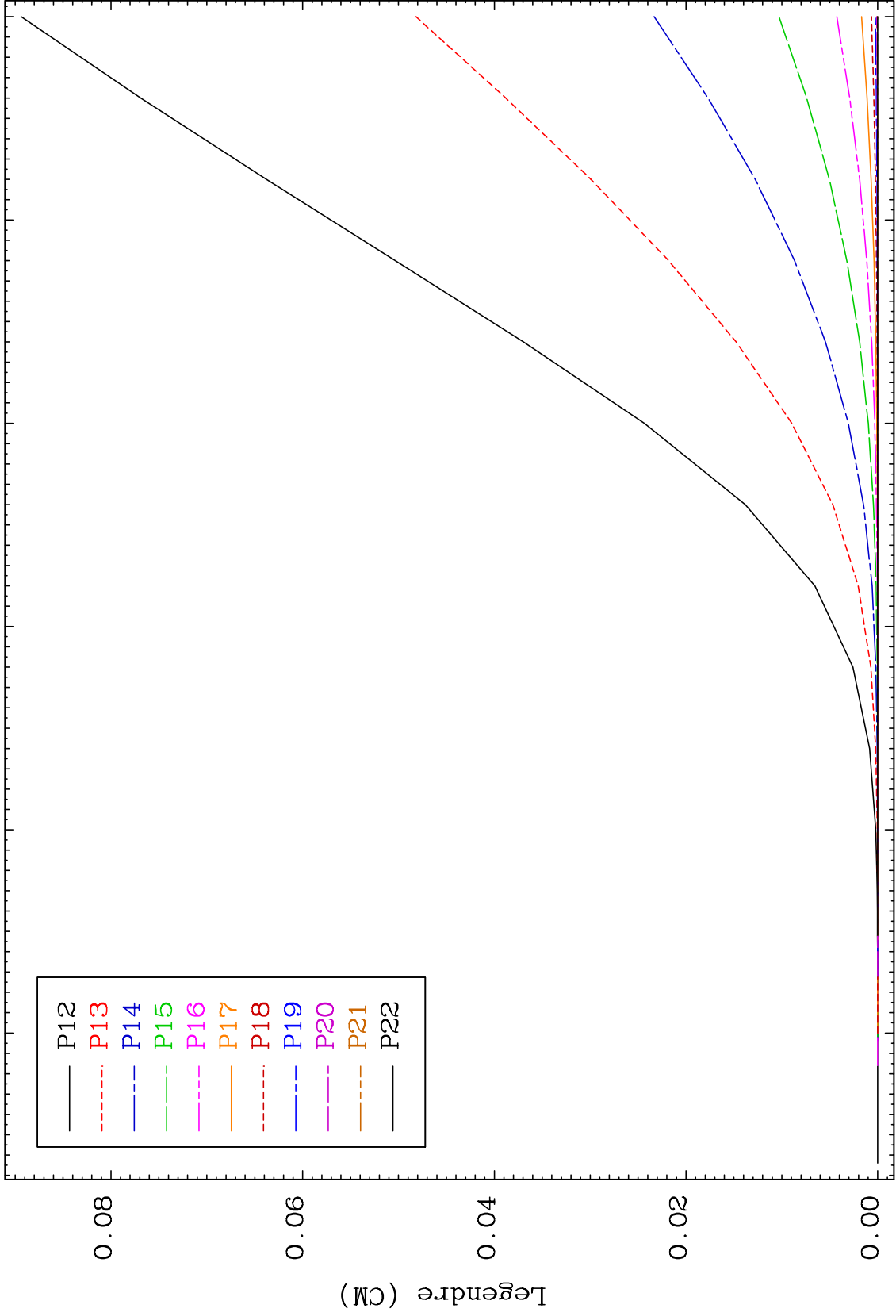
Incident Energy (MeV)

²⁴Cr-56

MAT 2443

Elastic
Legendre Coefficients

24-Cr-56



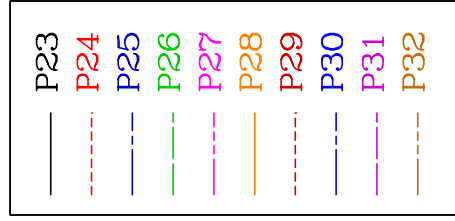
17

24-Cr-56

MAT 2443

Elastic
Legendre Coefficients

24-Cr-56



$\times 10^{-6}$
Legendre (CM)

2.0

Legendre (CM)

1.0

0.5

0.0

10

15

20

25

30

18

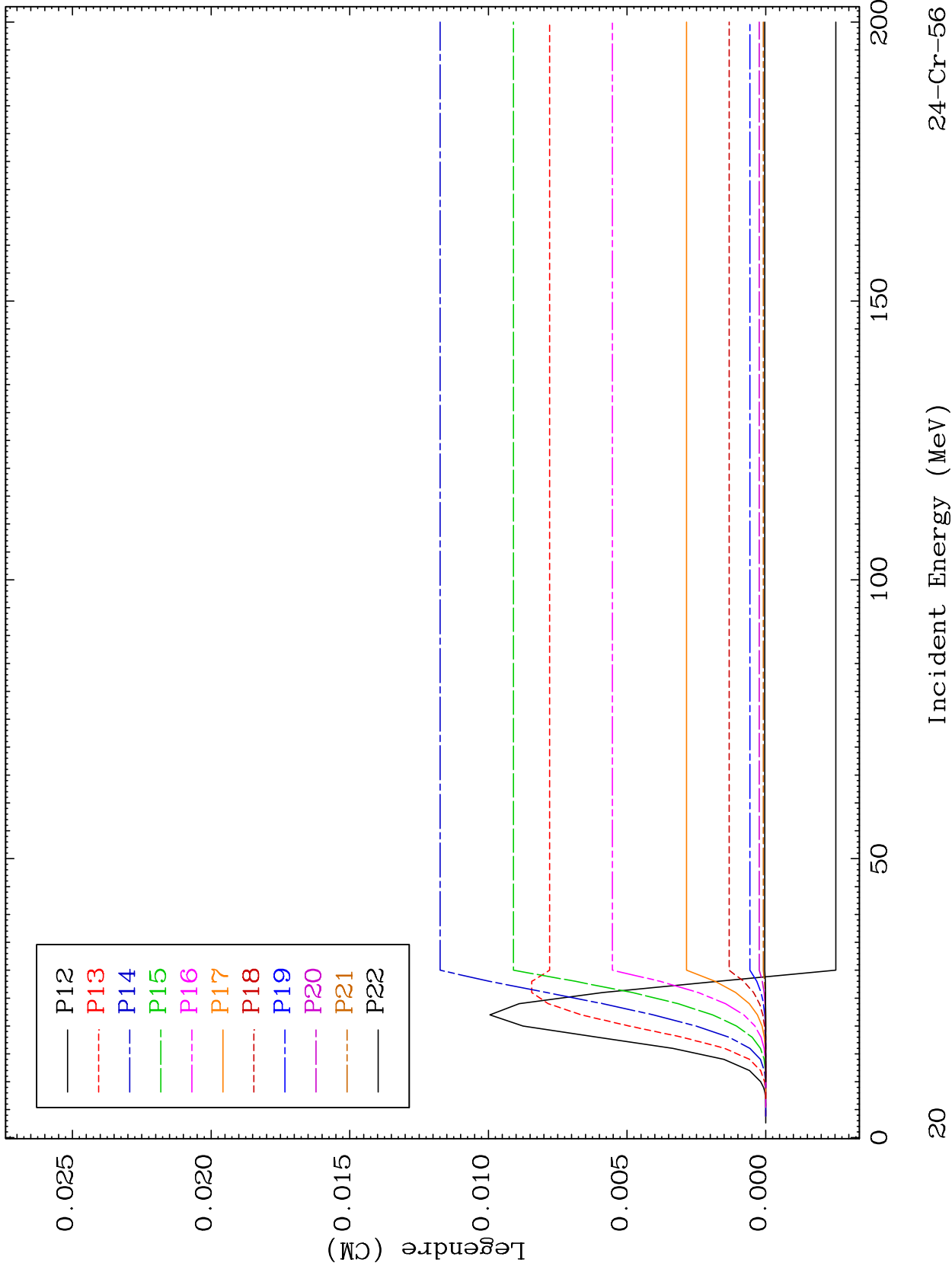
Incident Energy (MeV)

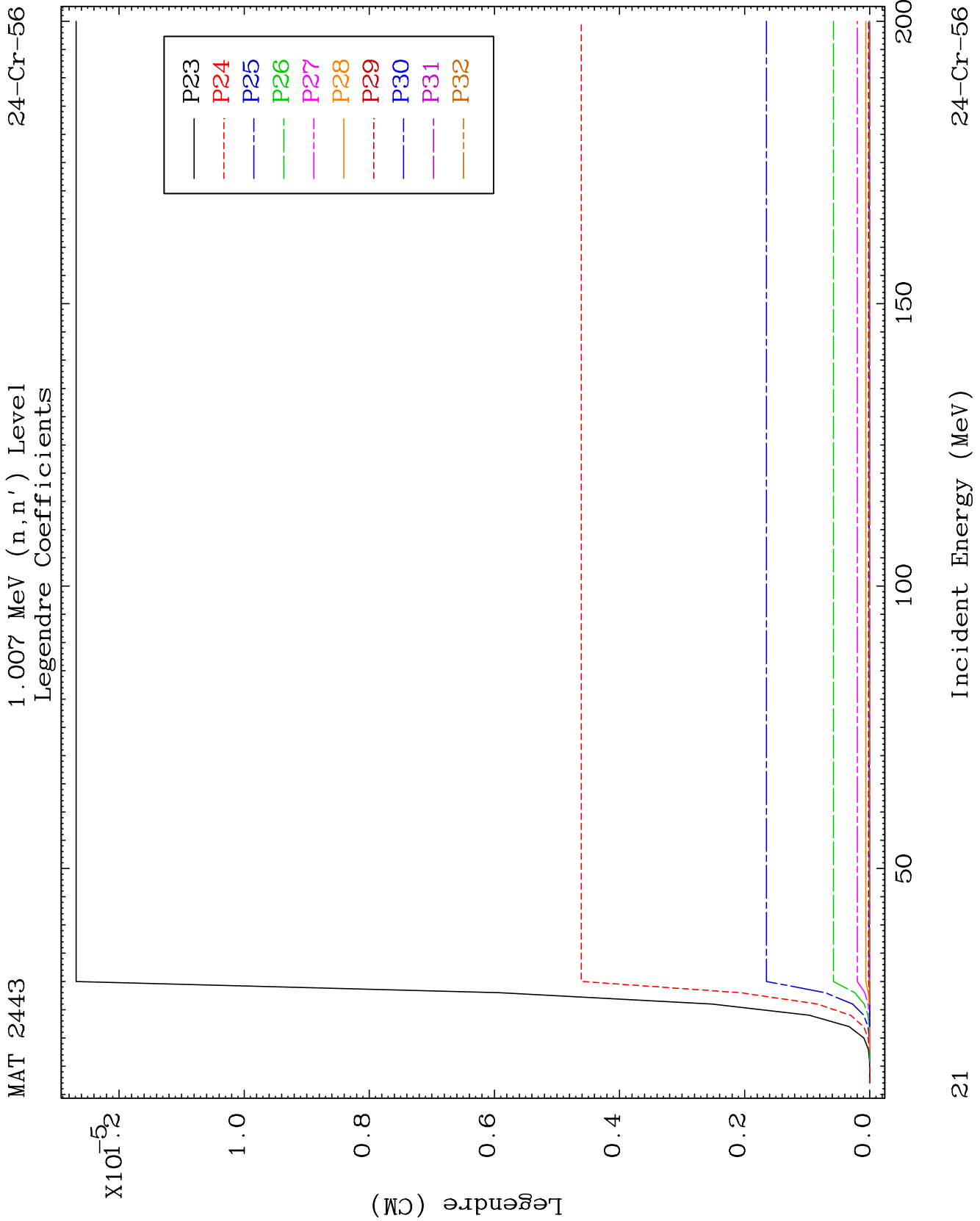
24-Cr-56

MAT 2443

1.007 MeV (n,n') Level
Legendre Coefficients

24-Cr-56

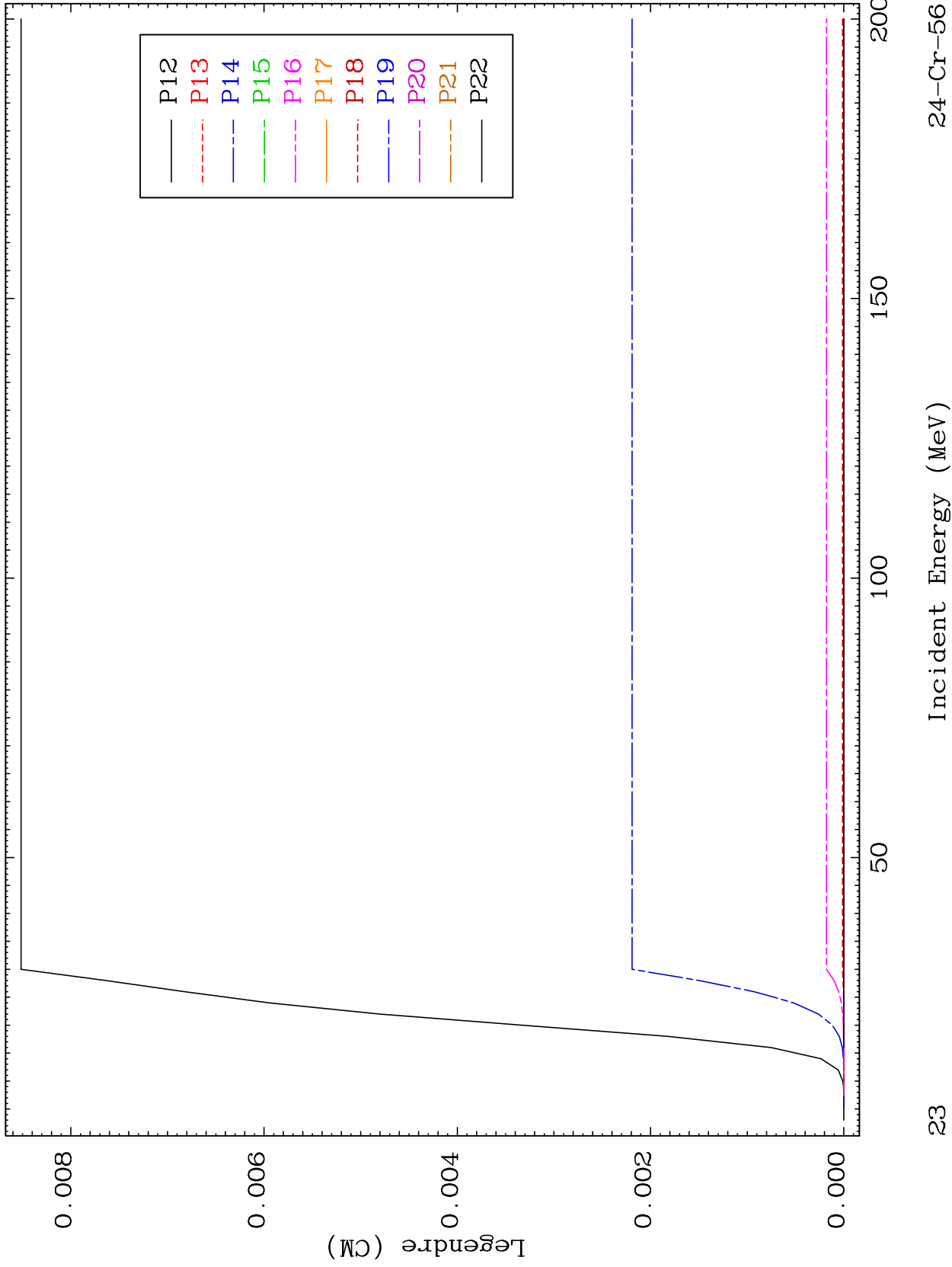




MAT 2443

1.674 MeV (n,n') Level
Legendre Coefficients

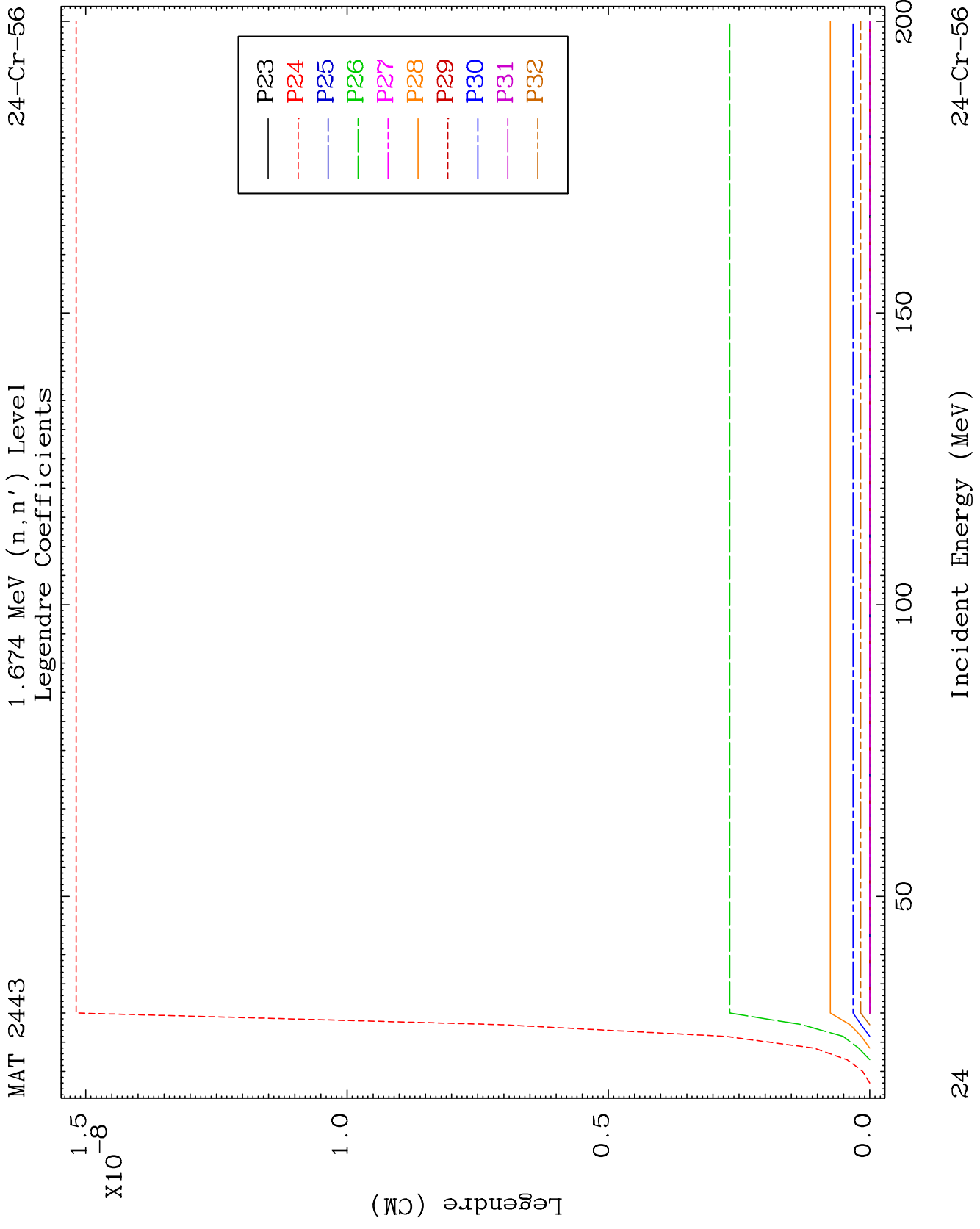
24-Cr-56

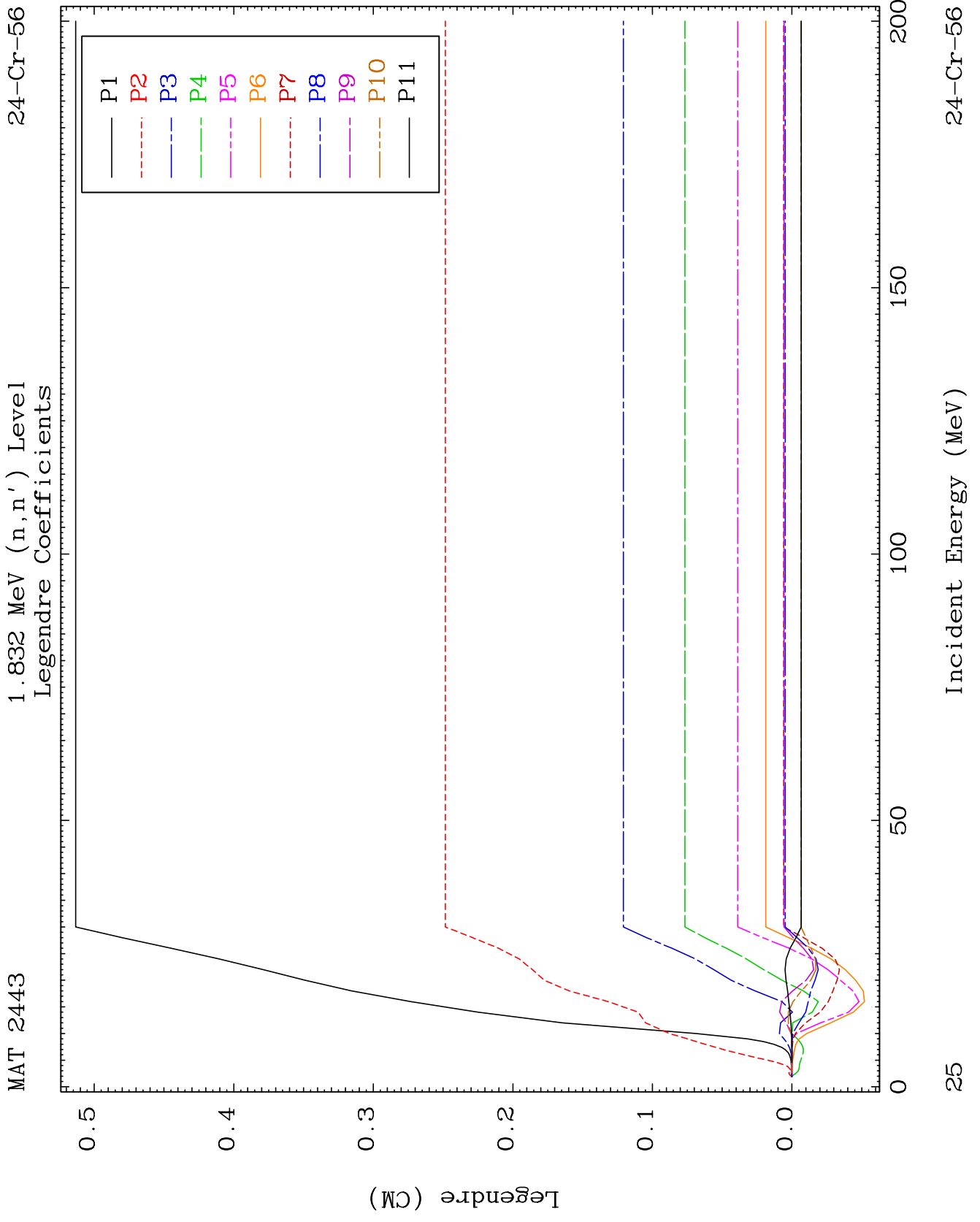


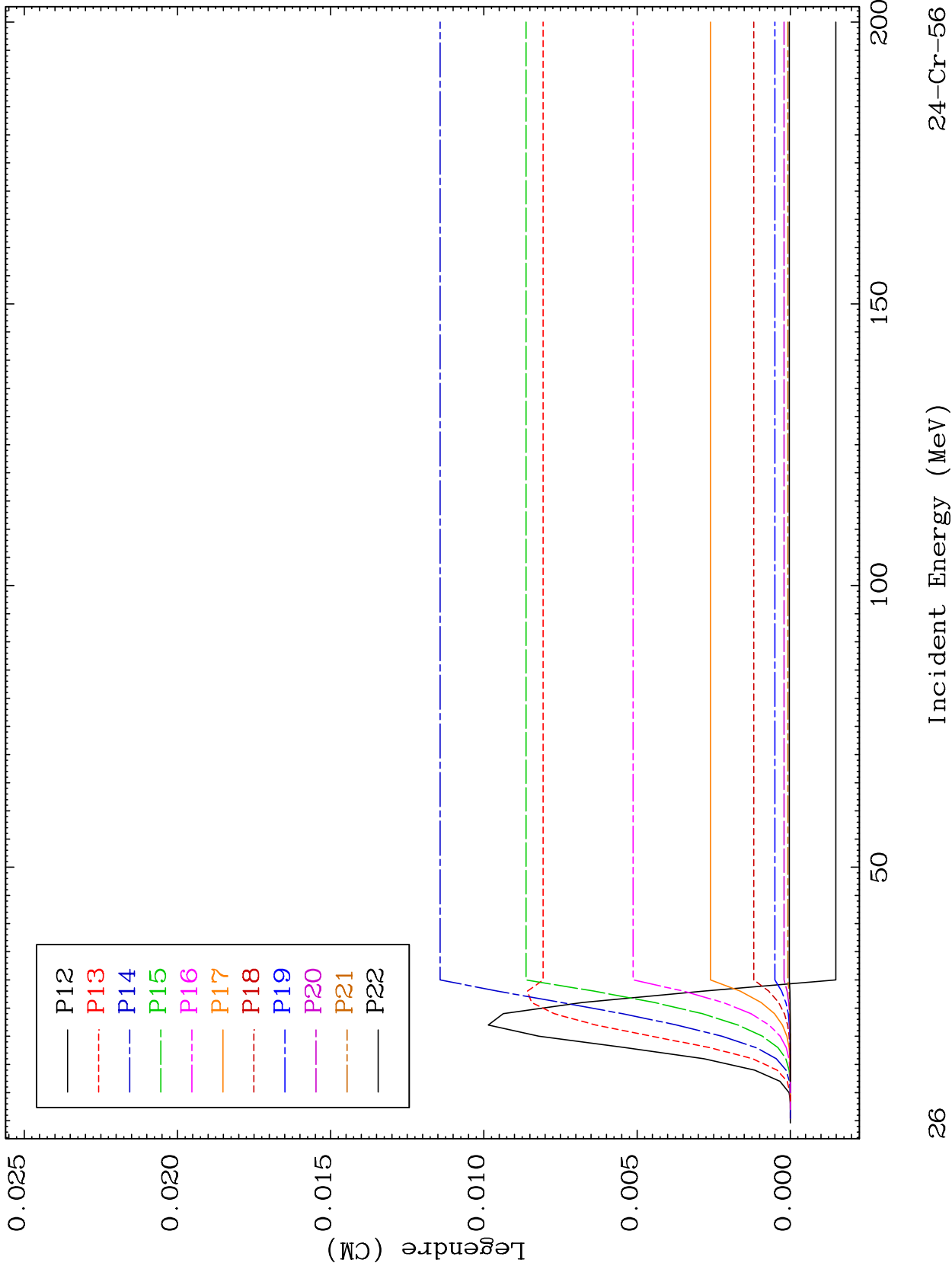
23

Incident Energy (MeV)

24-Cr-56



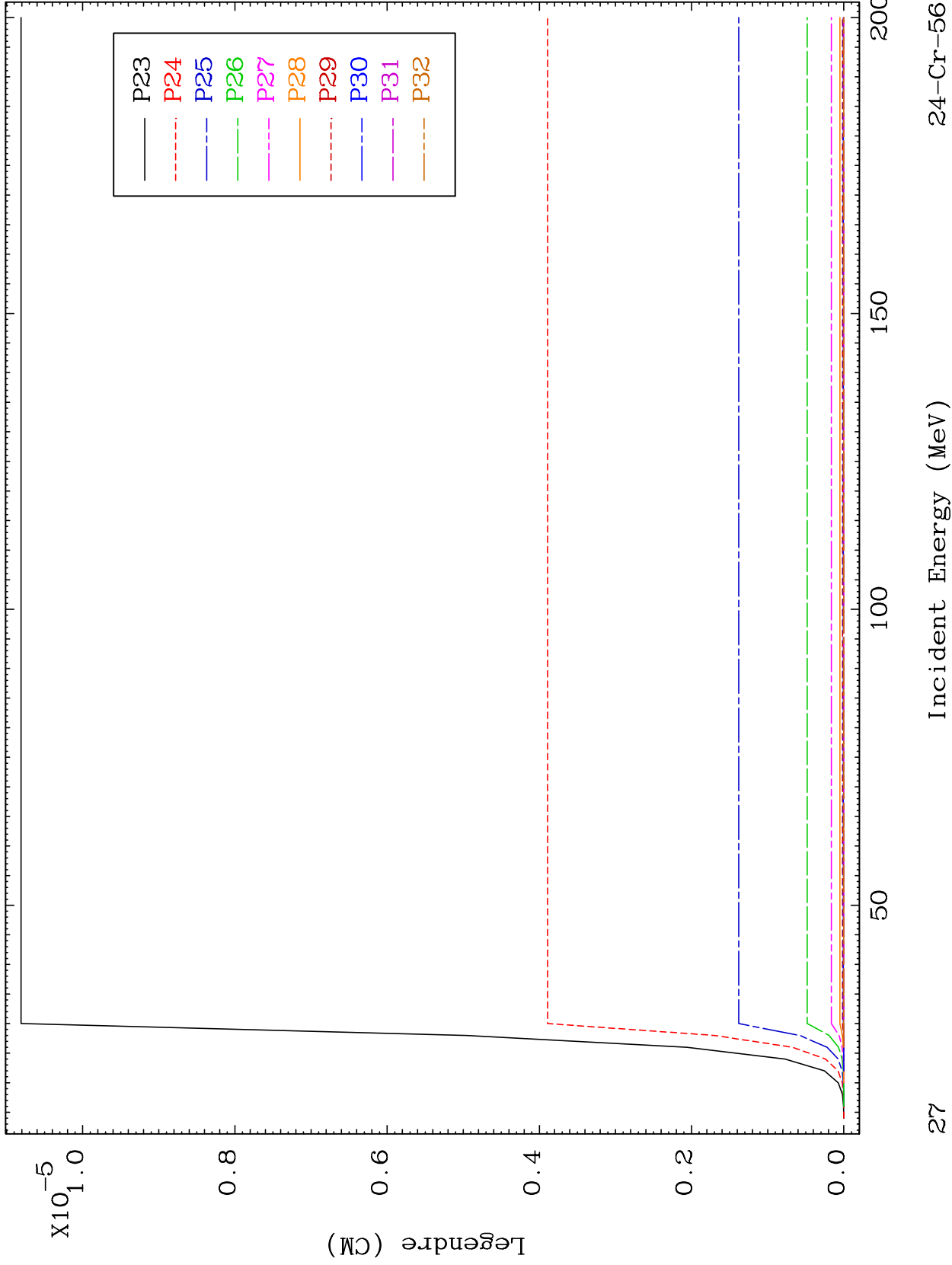




MAT 2443

1.832 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



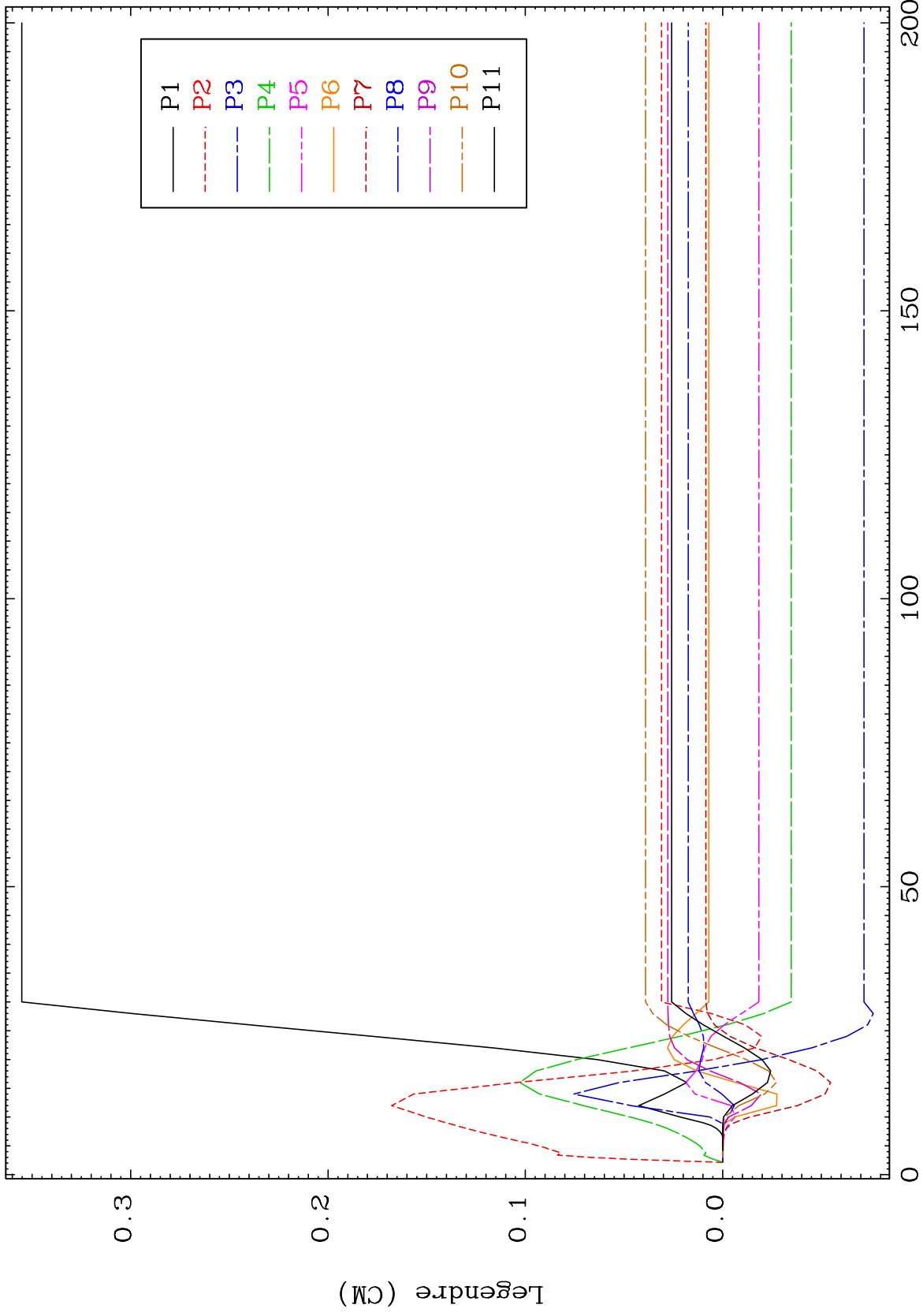
27

24-Cr-56

MAT 2443

2.077 MeV (n,n') Level
Legendre Coefficients

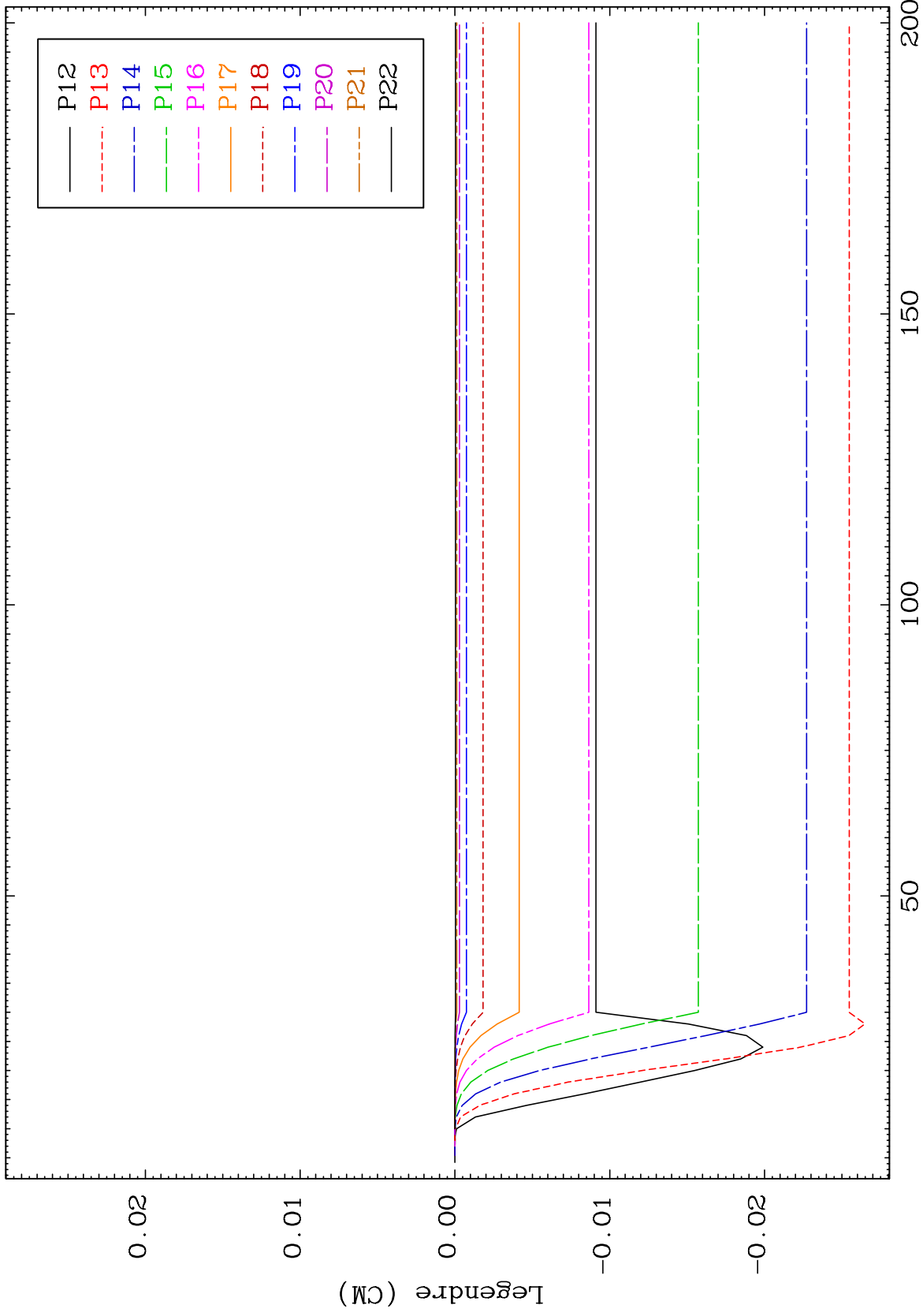
24-Cr-56

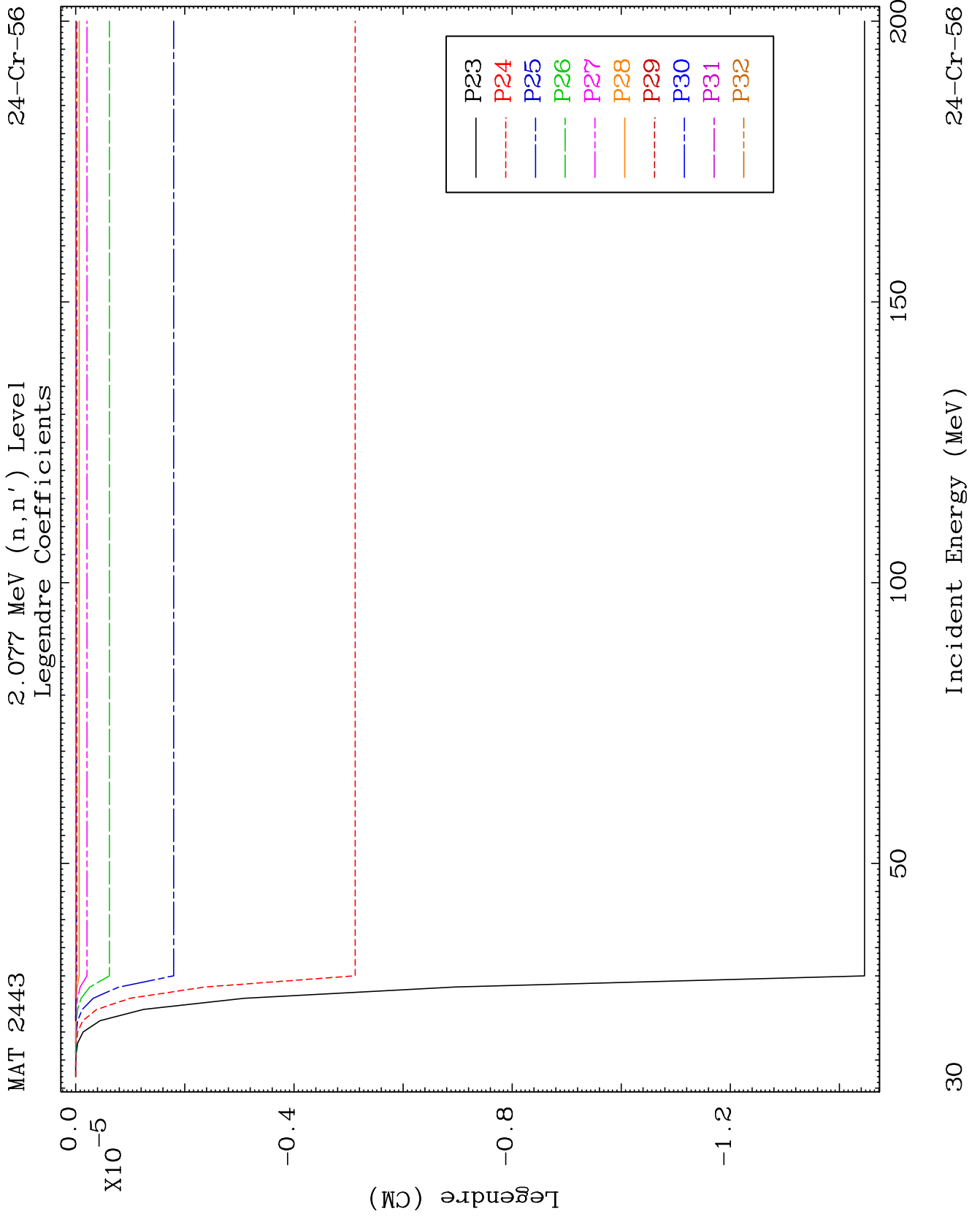


28

Incident Energy (MeV)

24-Cr-56

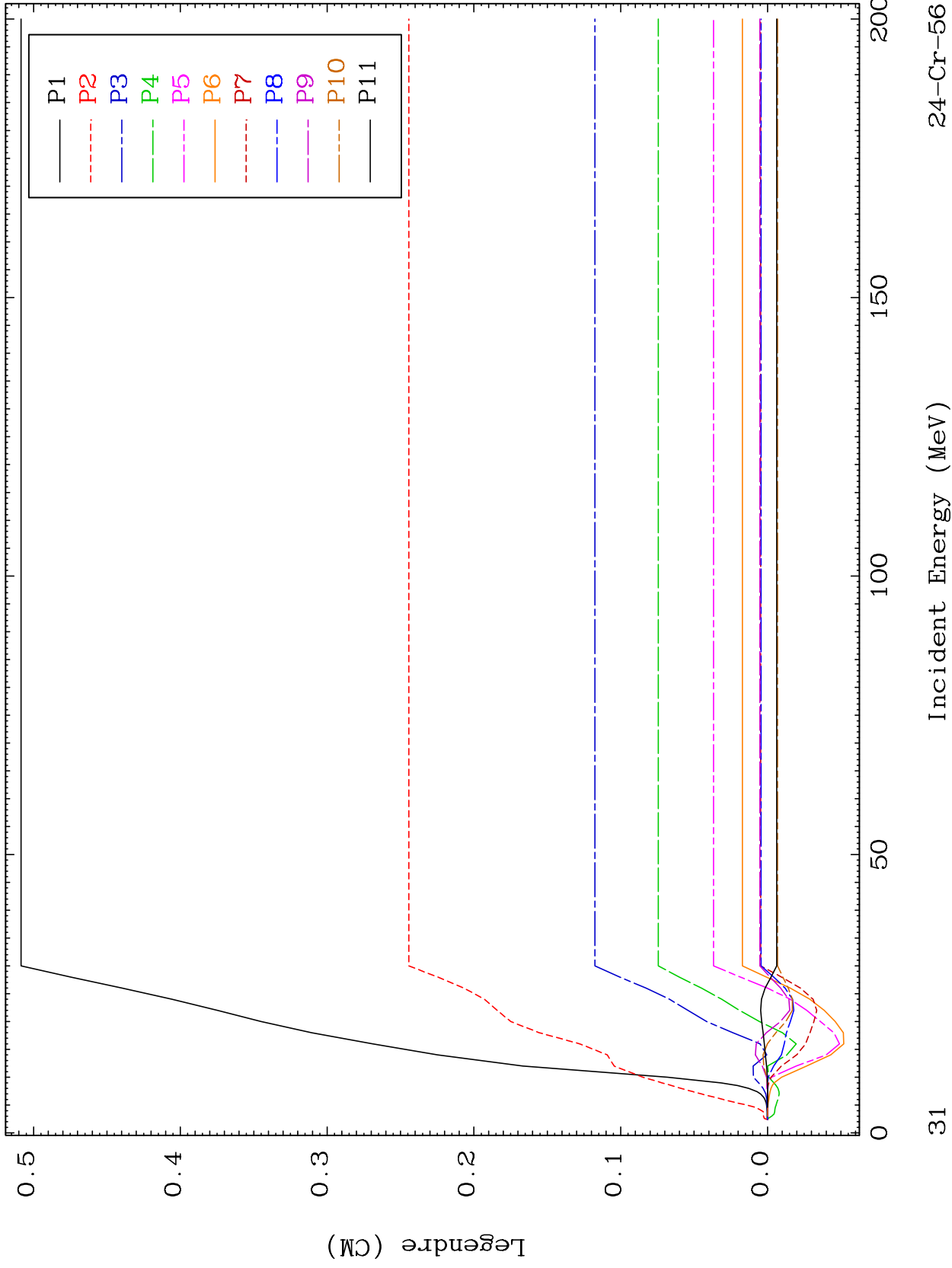


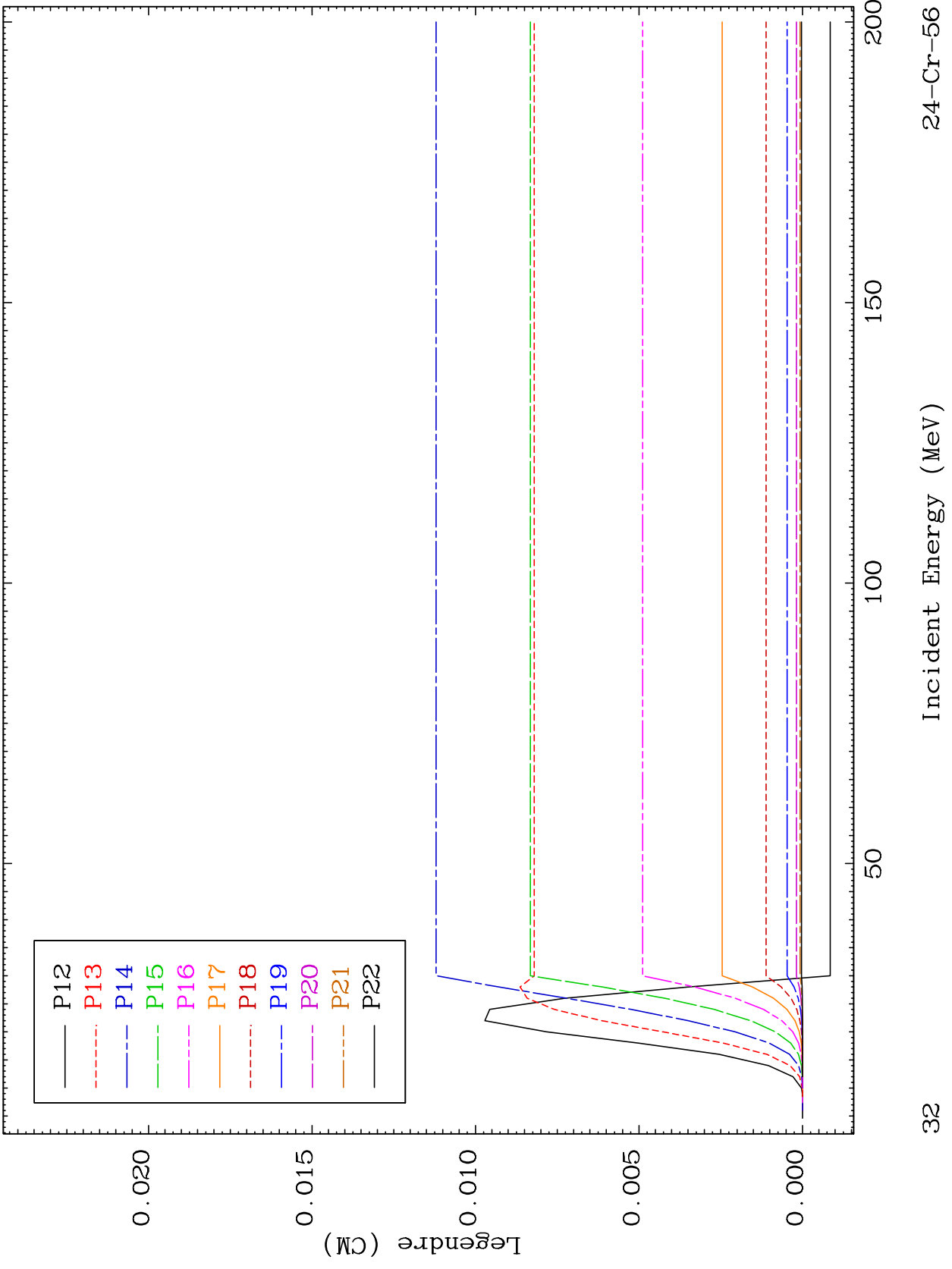


MAT 2443

2.327 MeV (n,n') Level
Legendre Coefficients

24-Cr-56

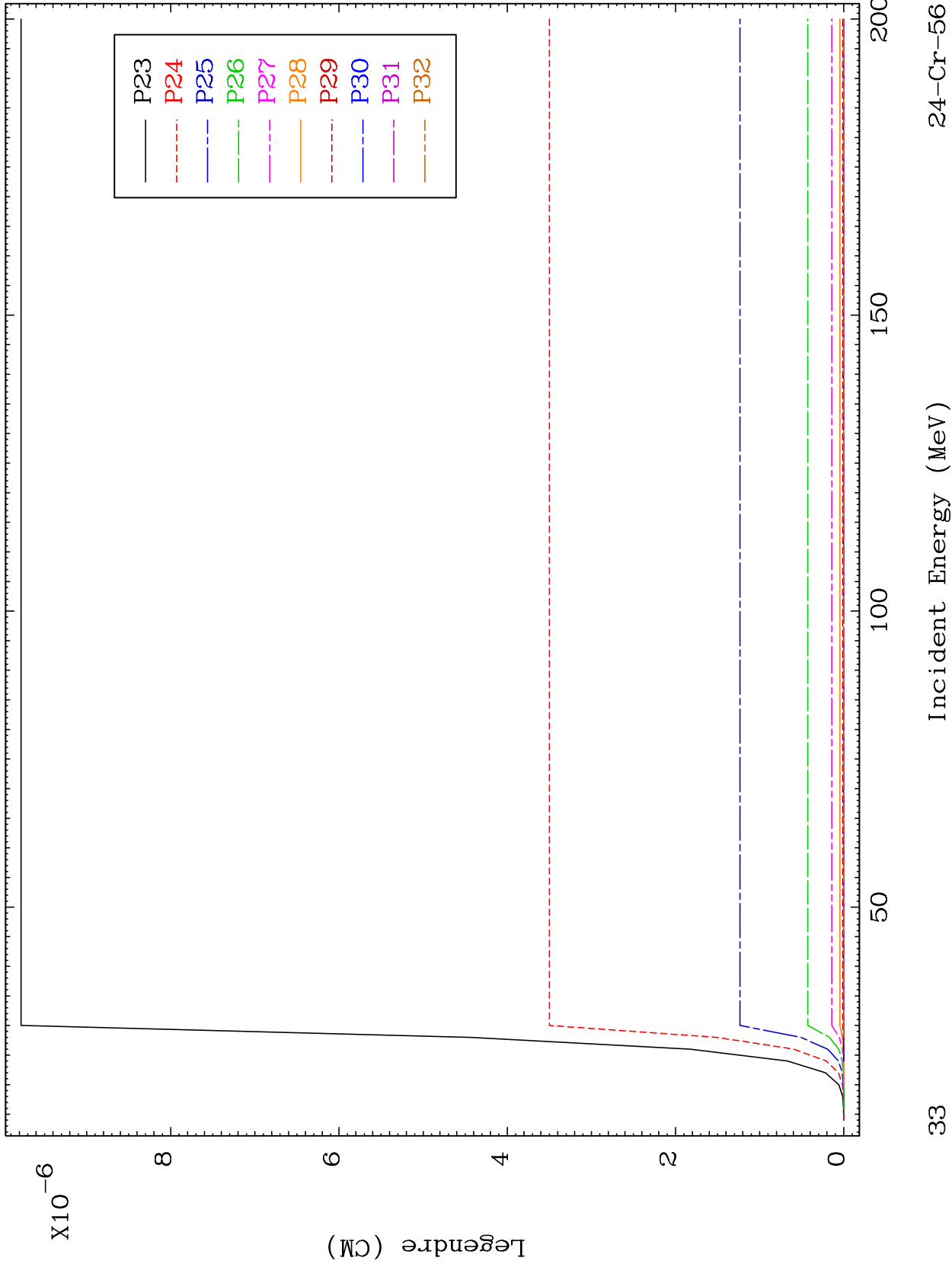




MAT 2443

2.327 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



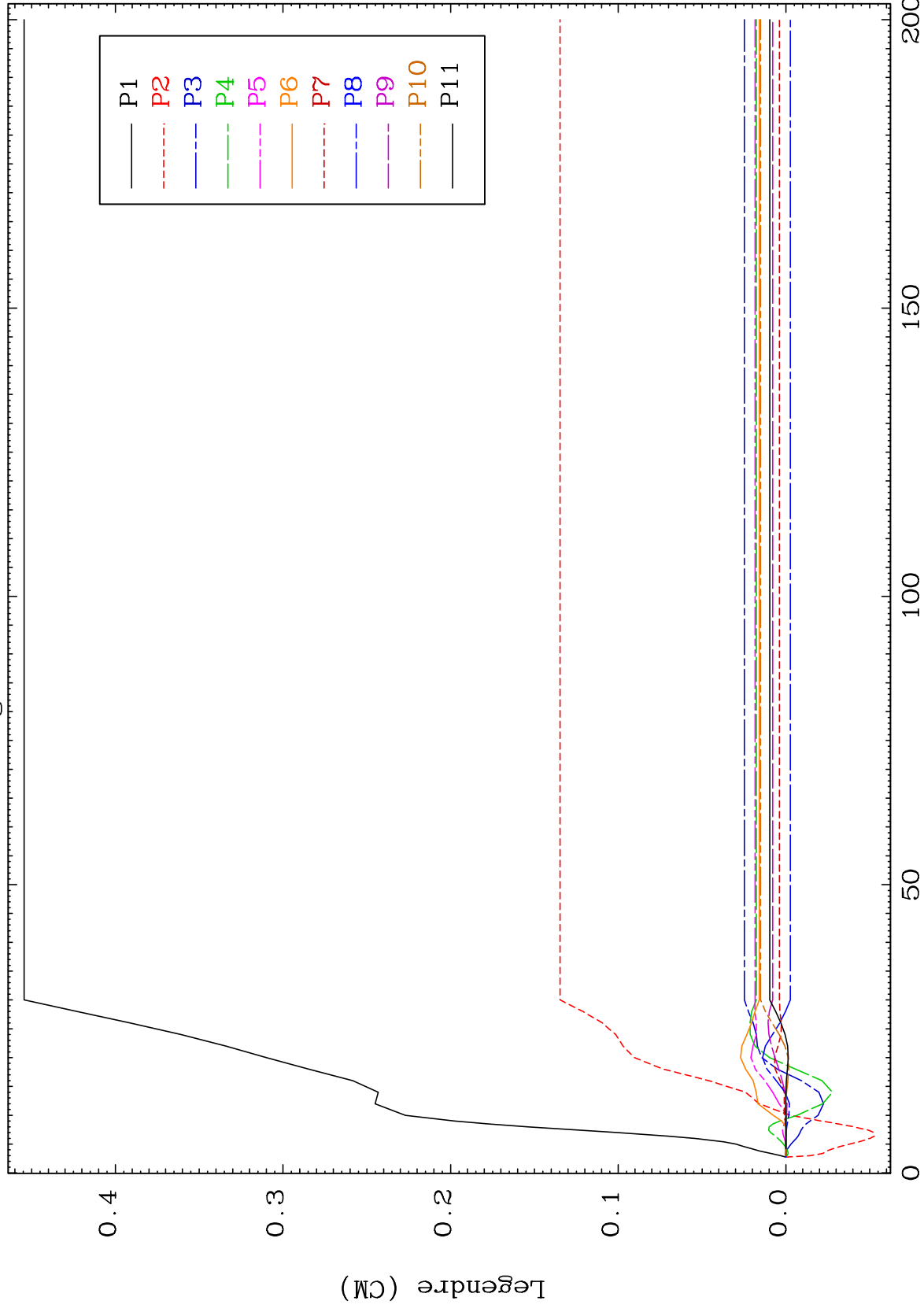
33

24-Cr-56

MAT 2443

2.682 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



34

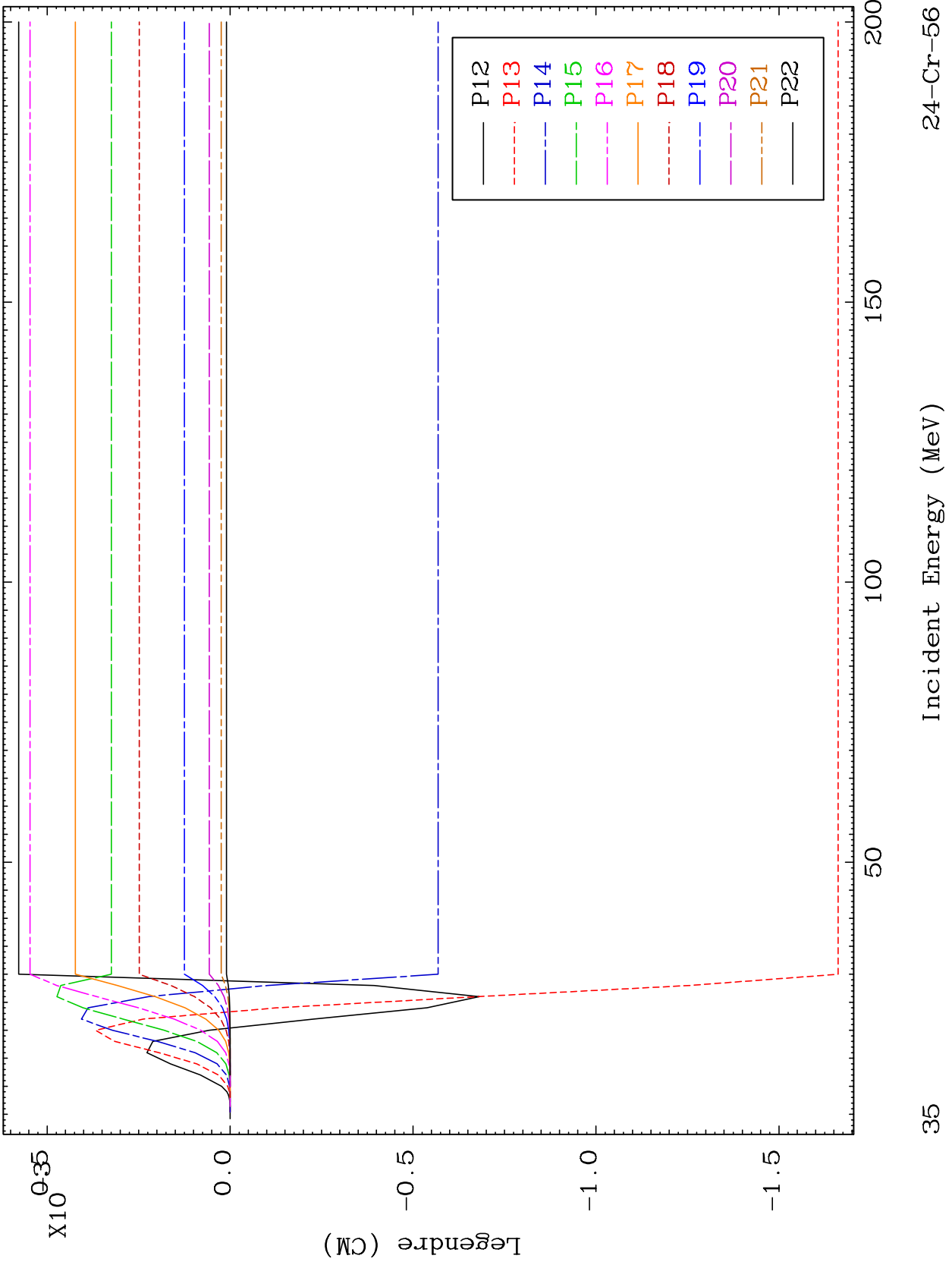
Incident Energy (MeV)

24-Cr-56

MAT 2443

2.682 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



35

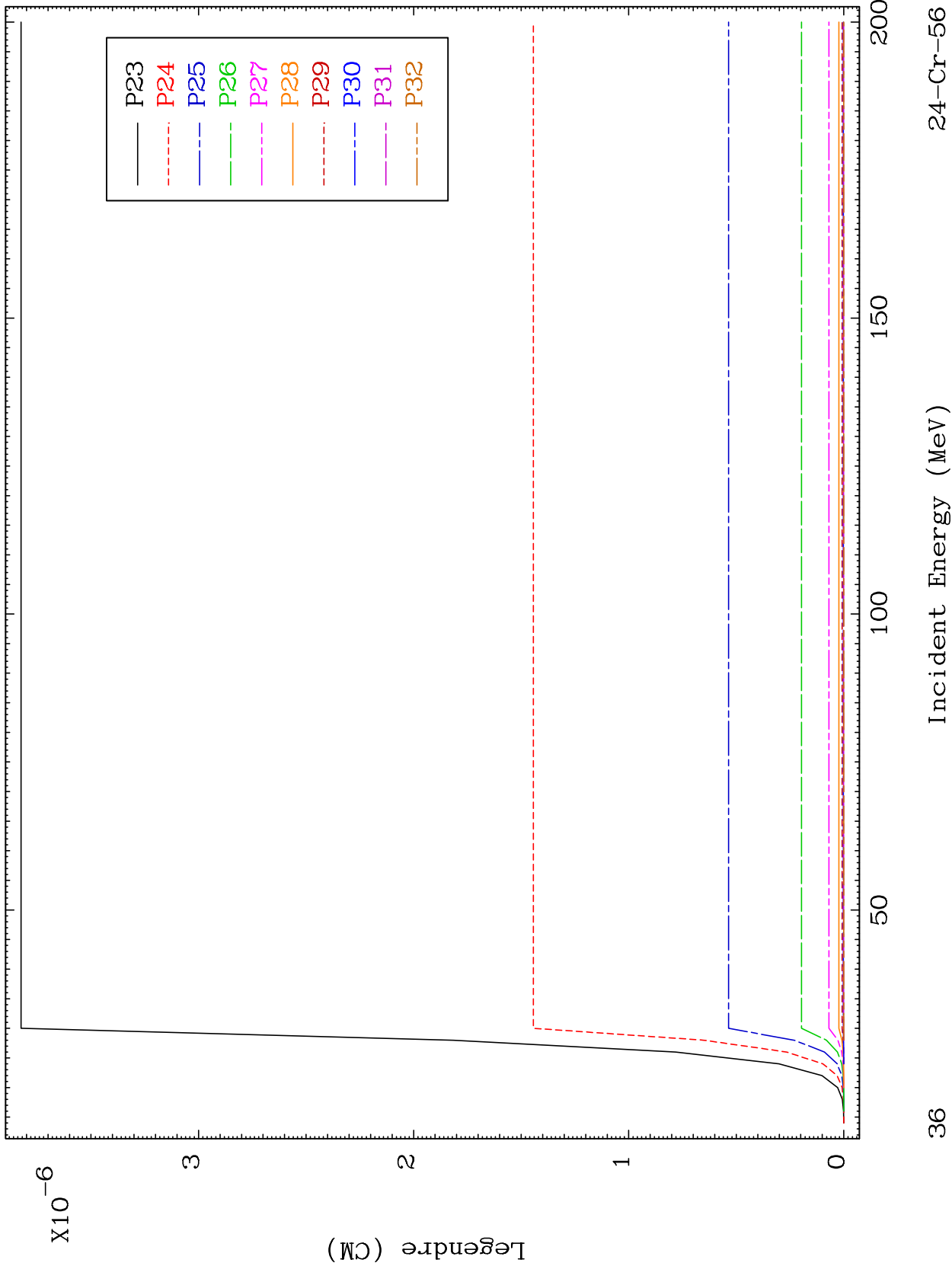
Incident Energy (MeV)

24-Cr-56

MAT 2443

2.682 MeV (n,n') Level
Legendre Coefficients

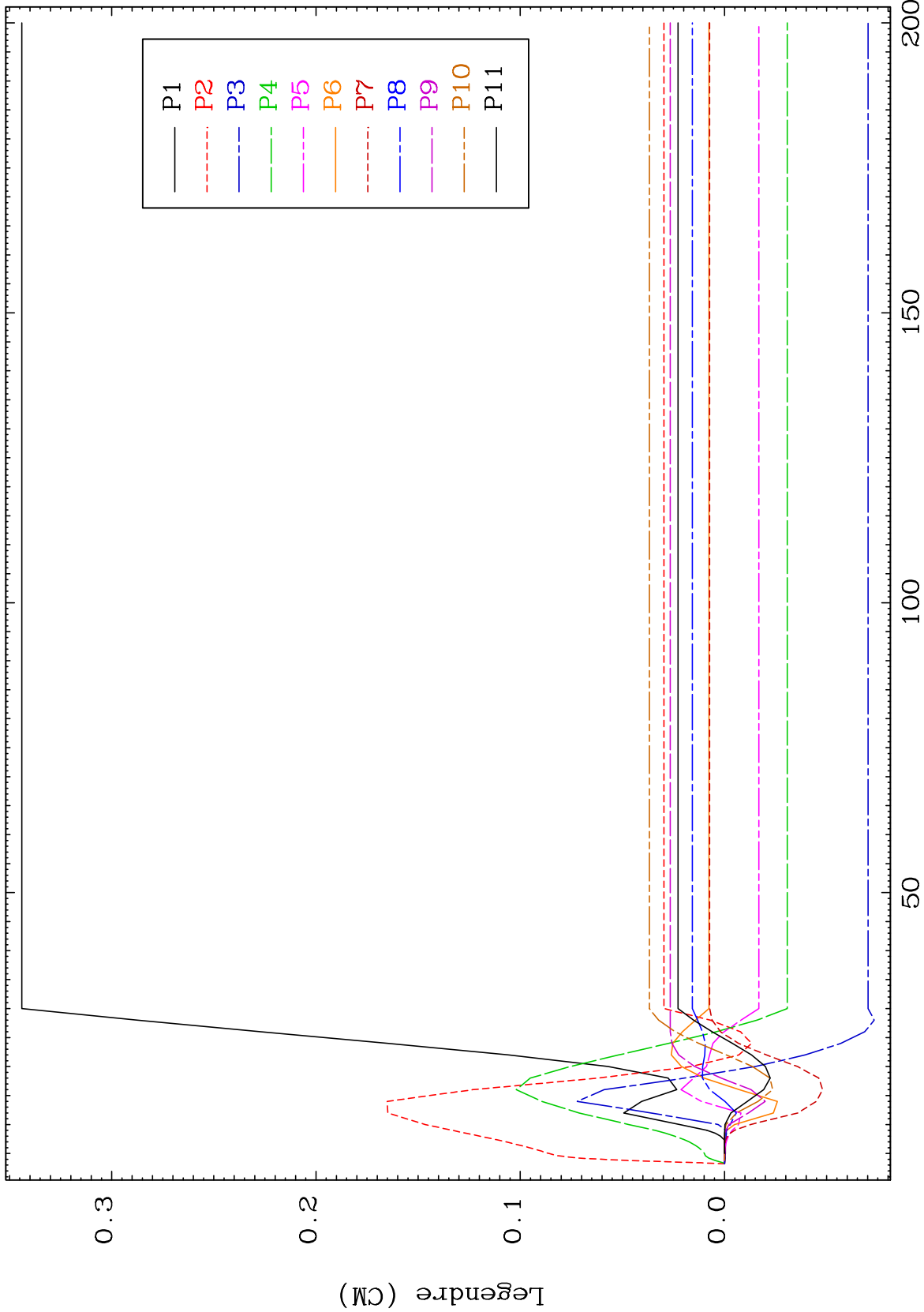
24-Cr-56



36

Incident Energy (MeV)

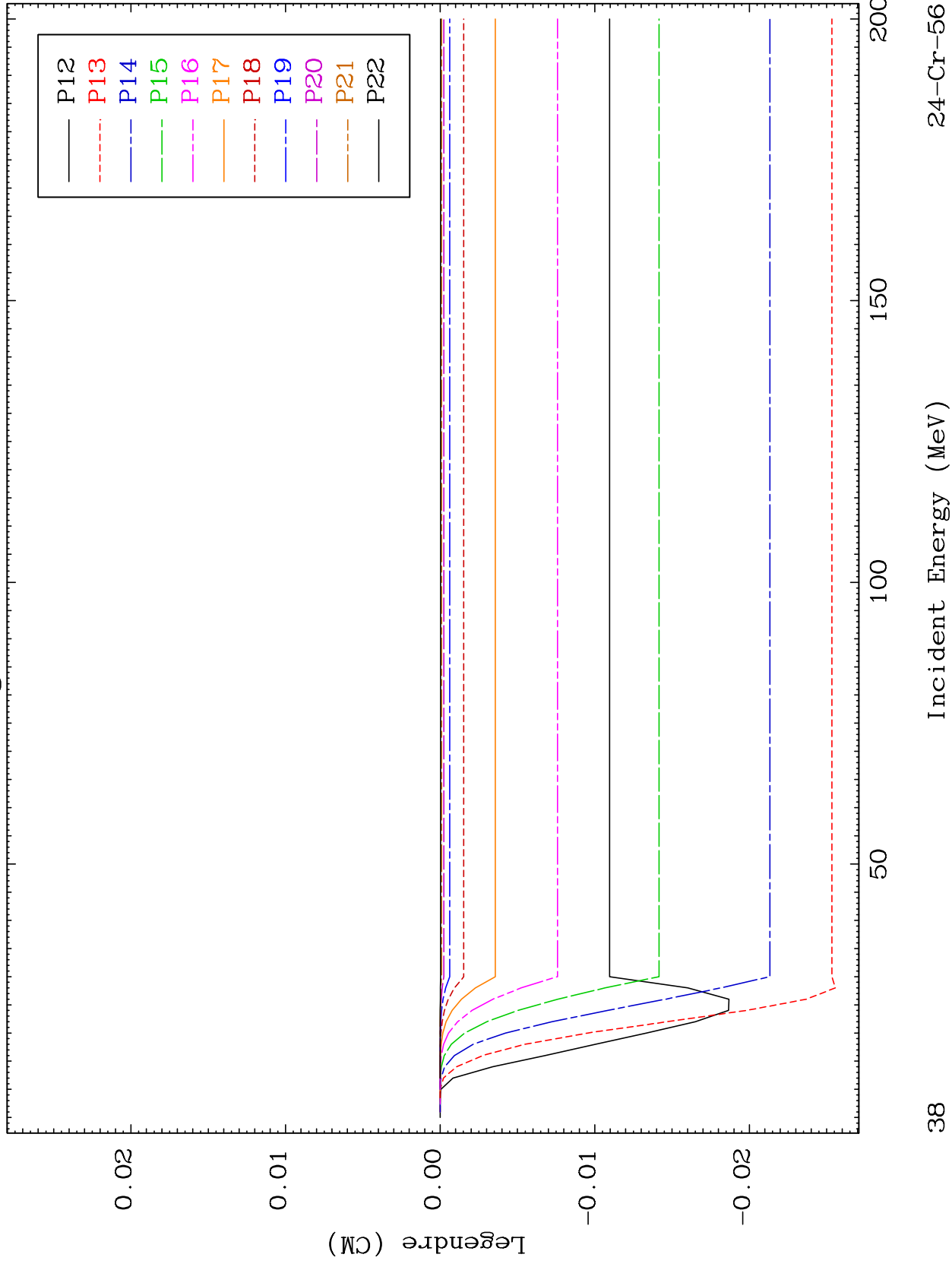
24-Cr-56



MAT 2443

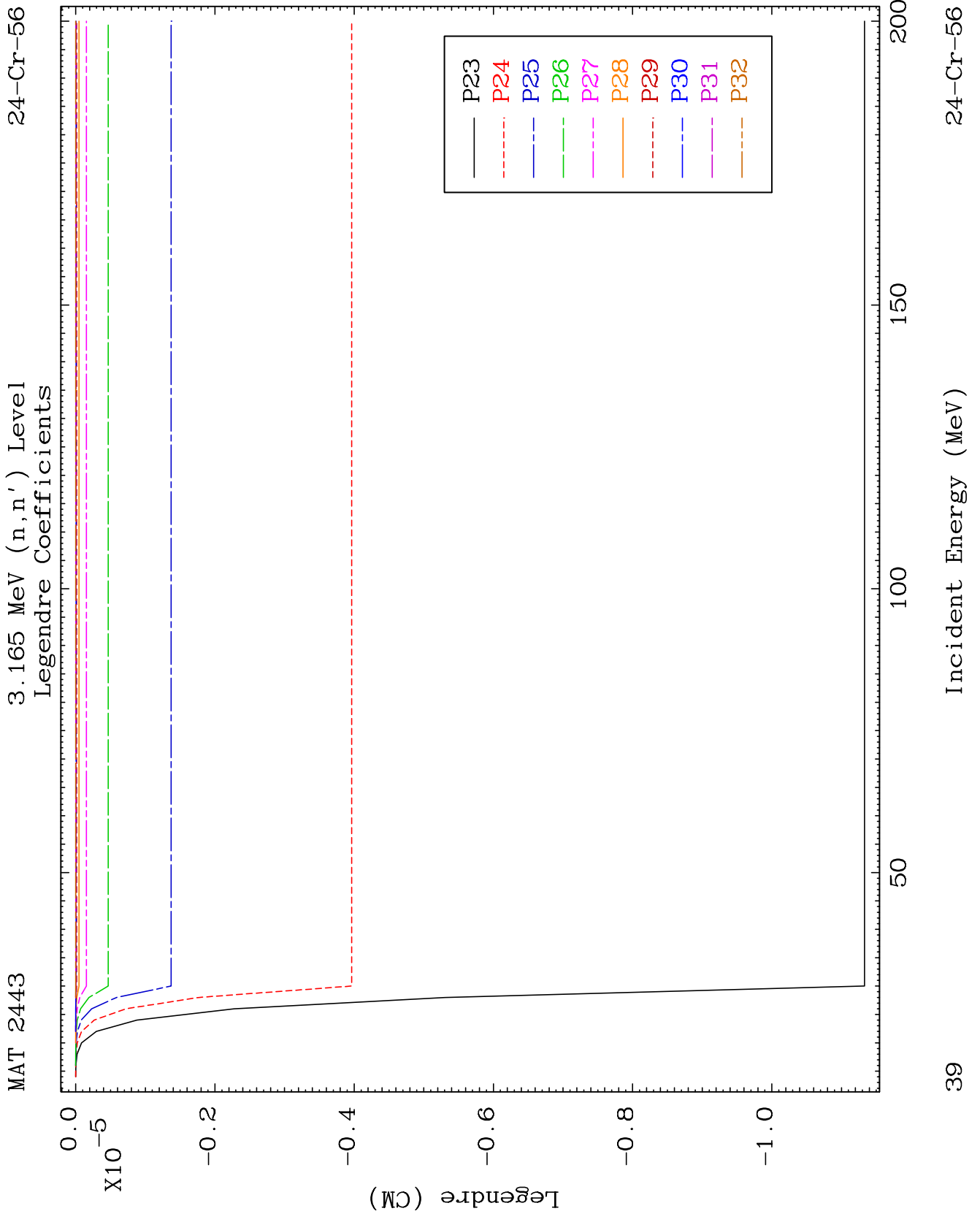
3.165 MeV (n,n') Level
Legendre Coefficients

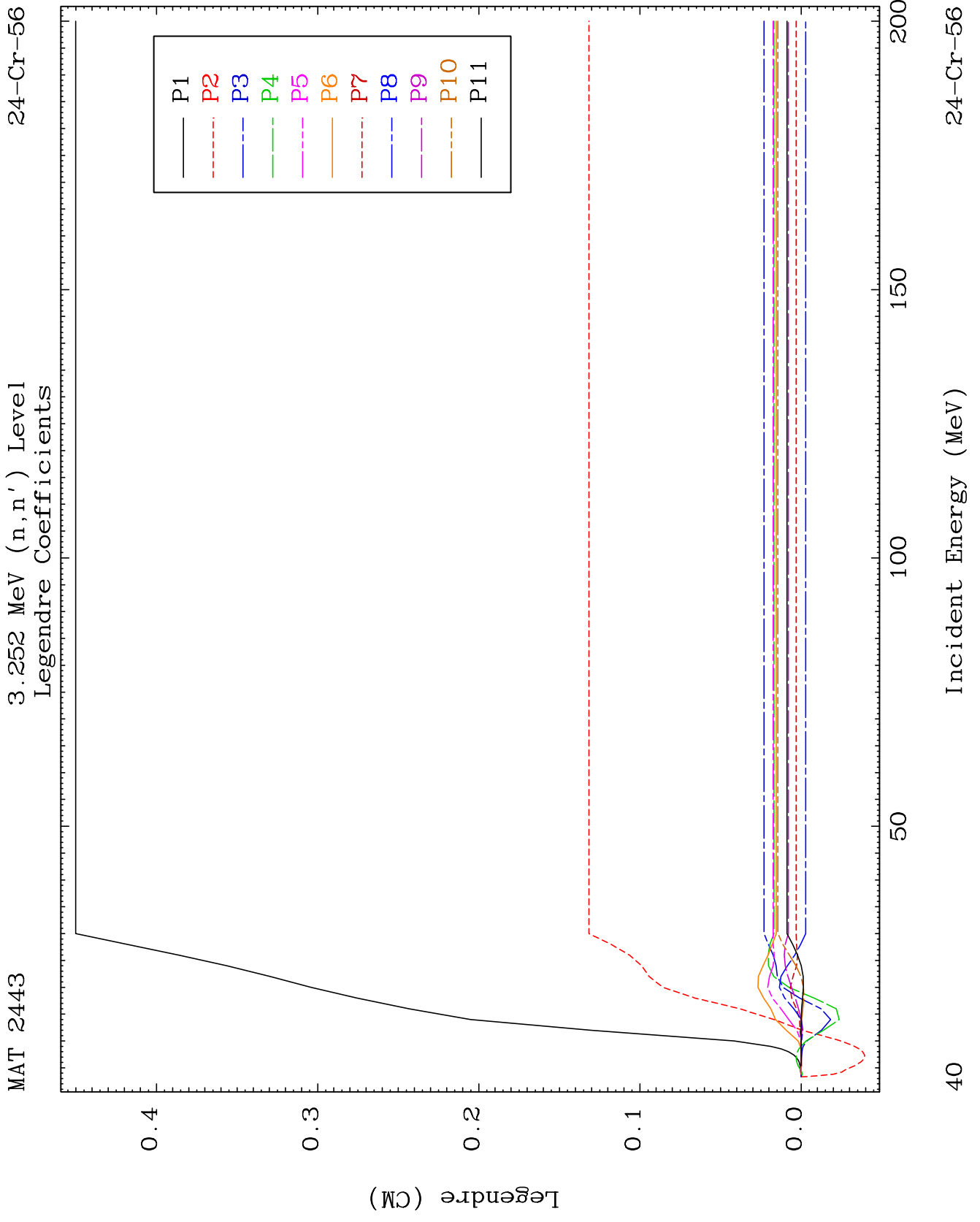
24-Cr-56

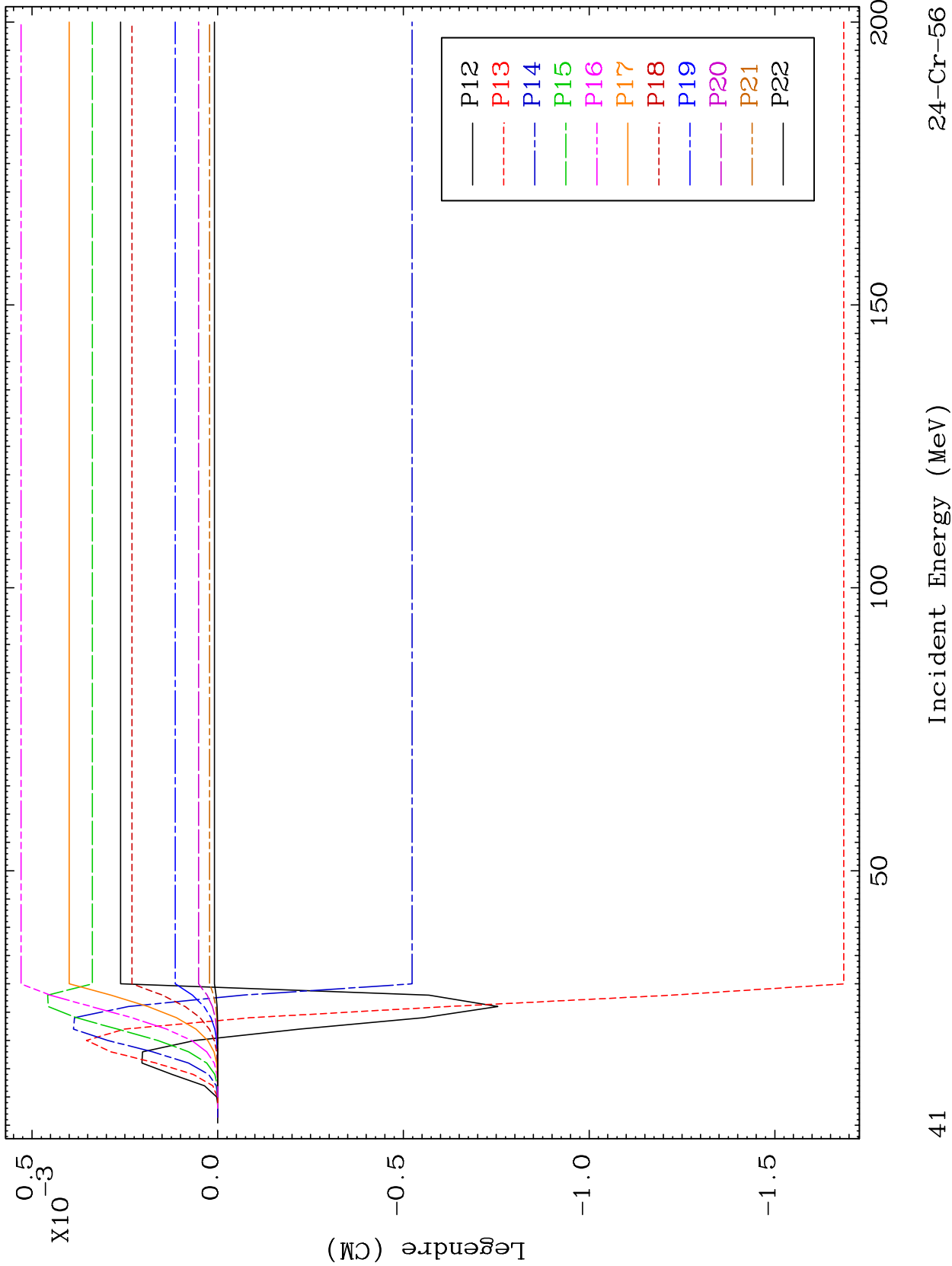


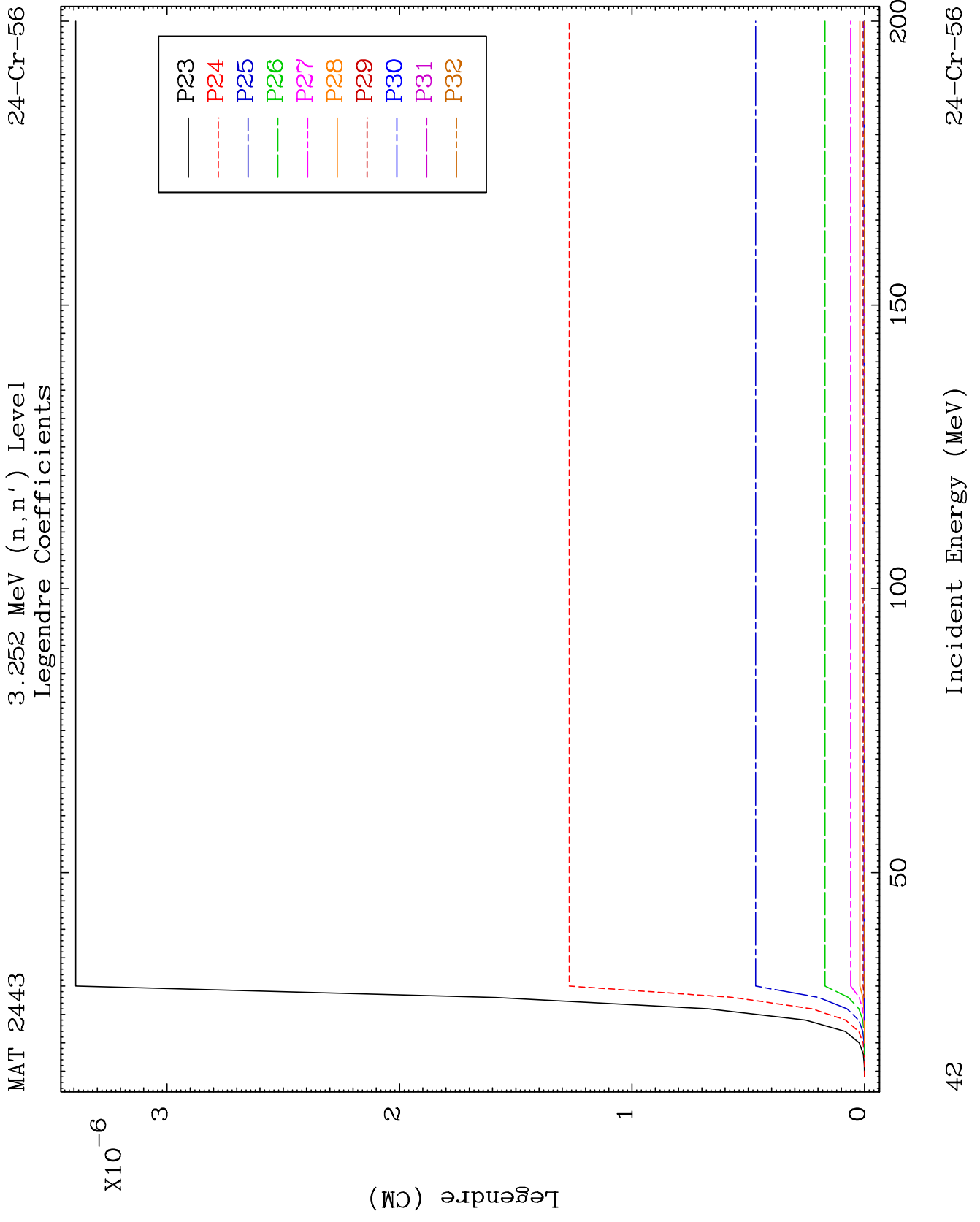
38

24-Cr-56





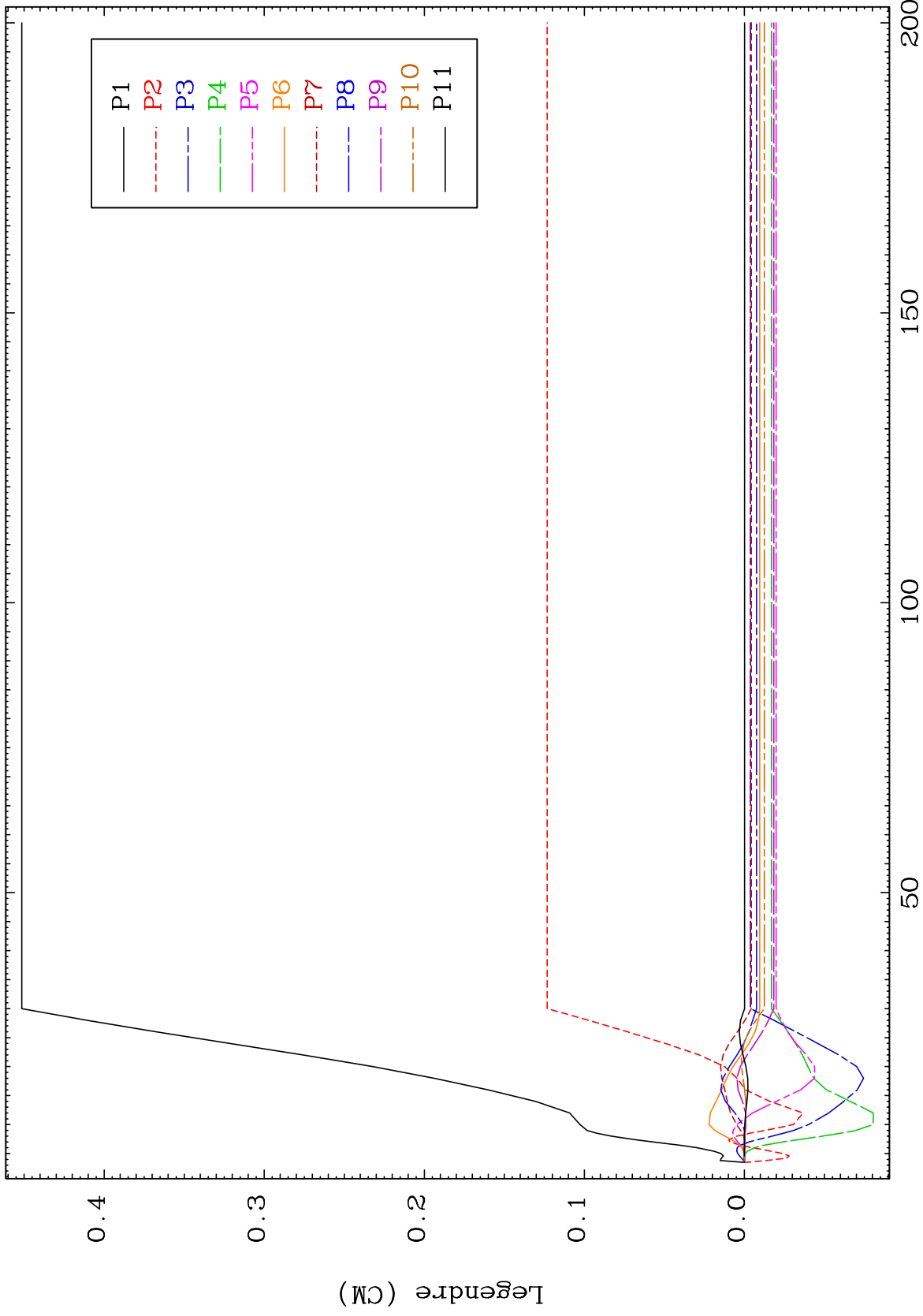




MAT 2443

3.402 MeV (n,n') Level
Legendre Coefficients

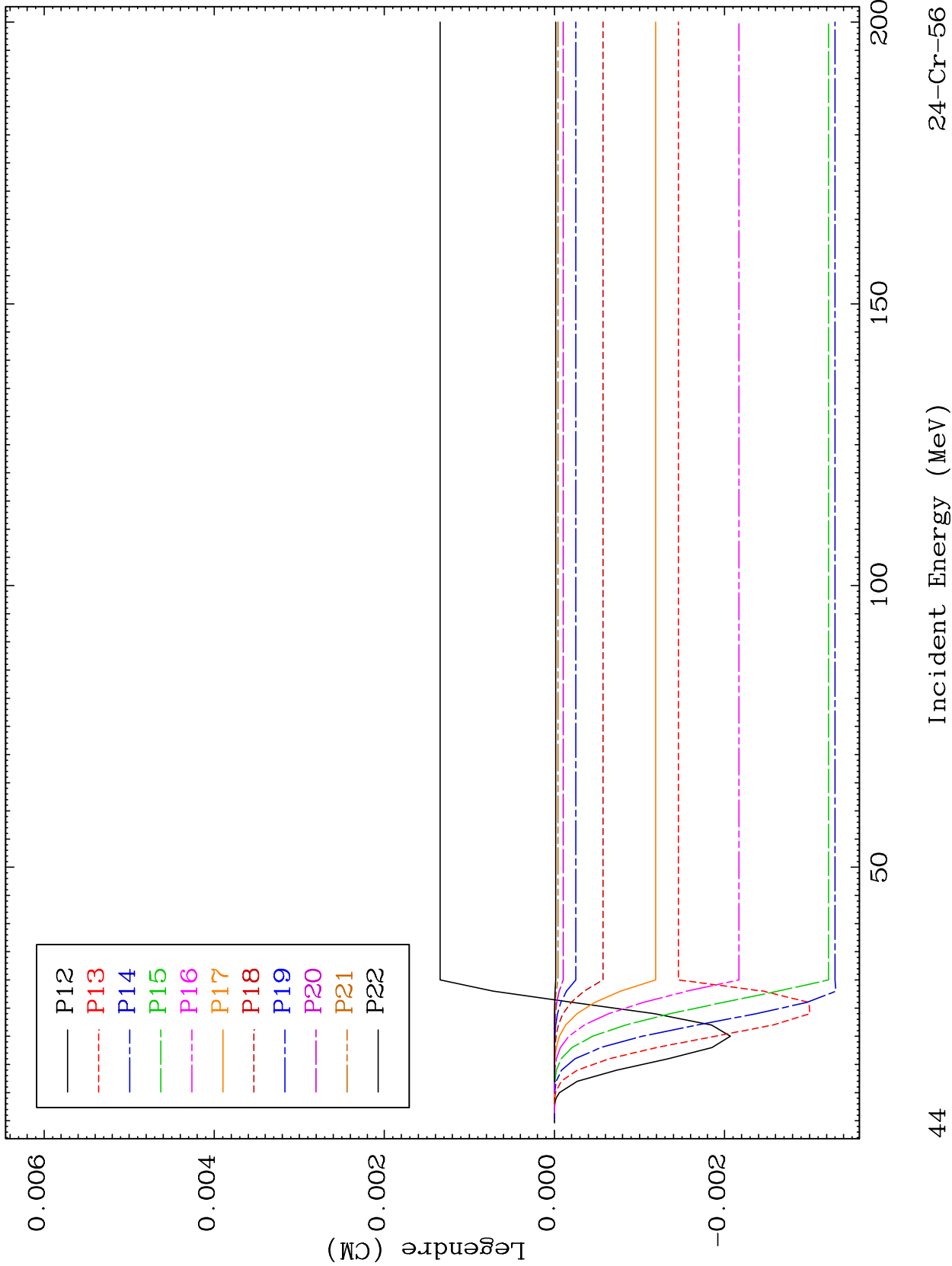
24-Cr-56

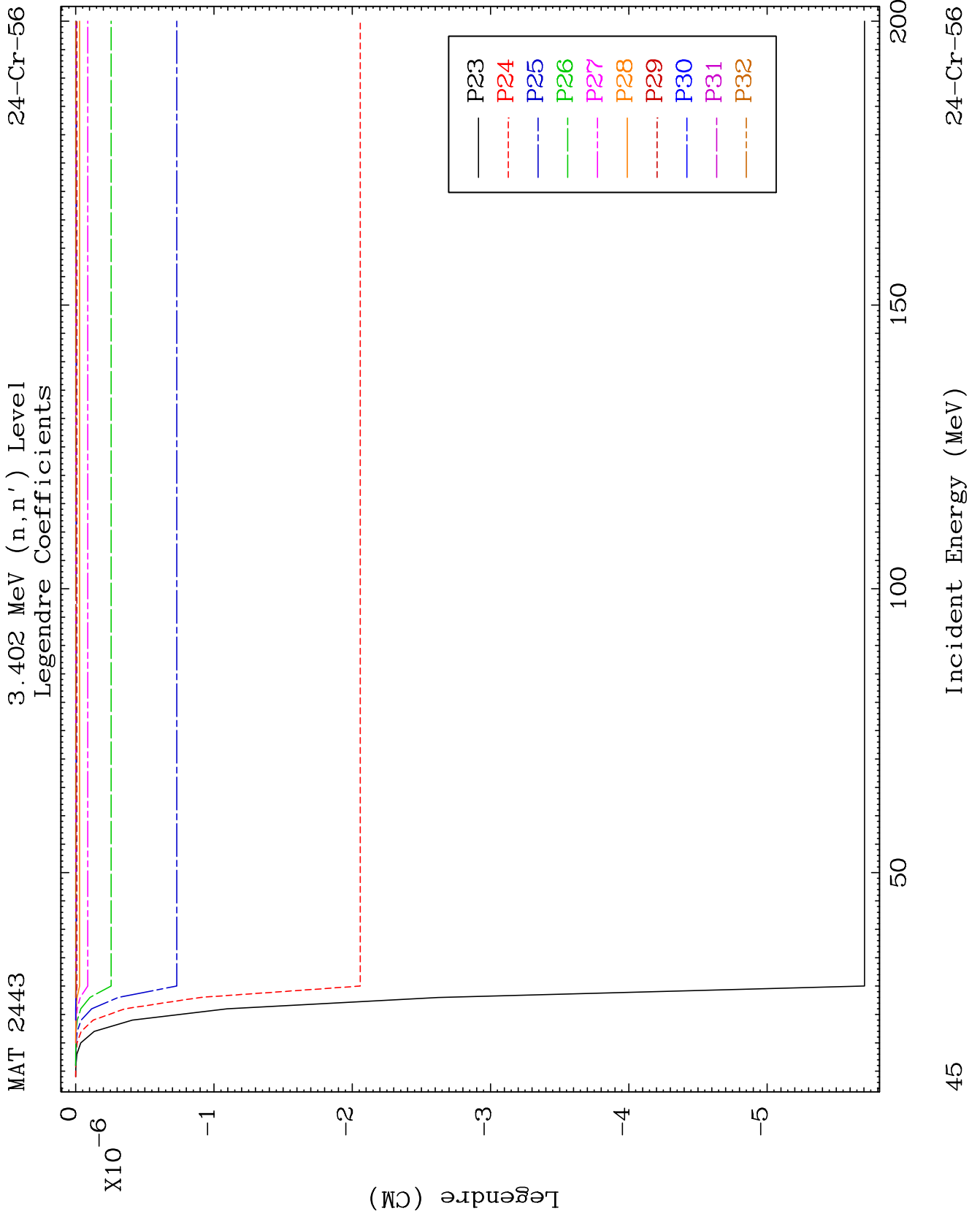


43

Incident Energy (MeV)

24-Cr-56

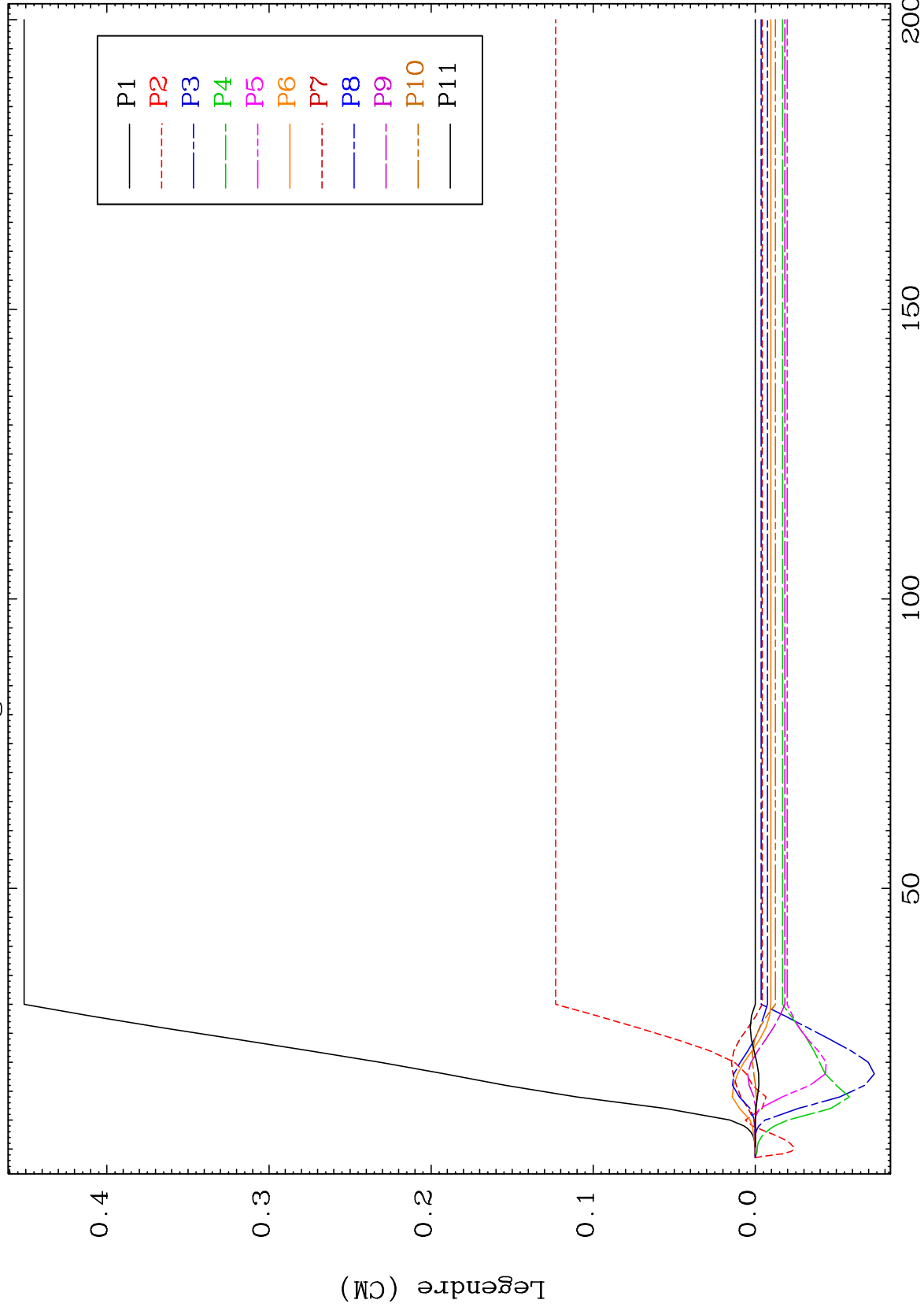




MAT 2443

3.451 MeV (n,n') Level
Legendre Coefficients

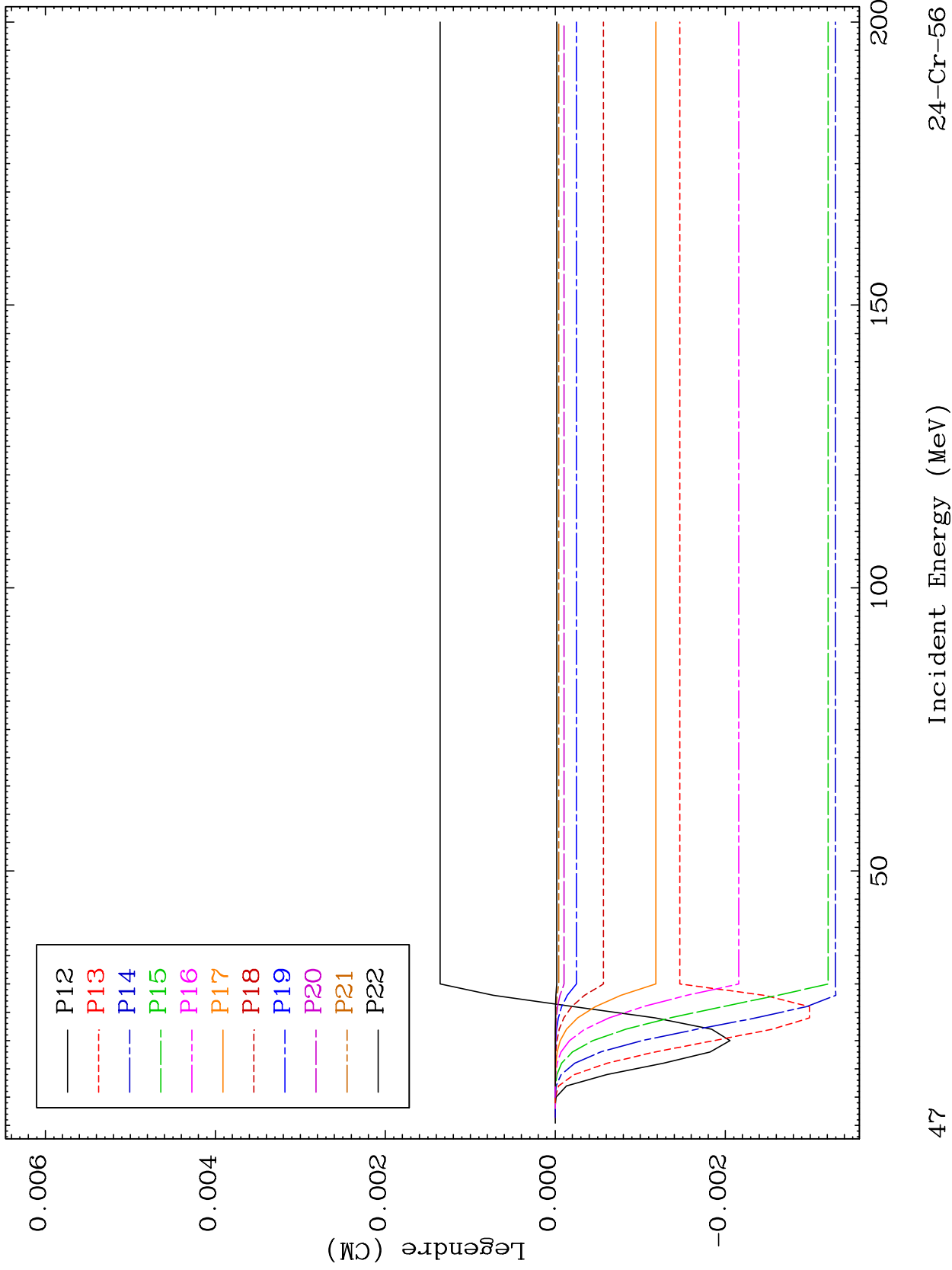
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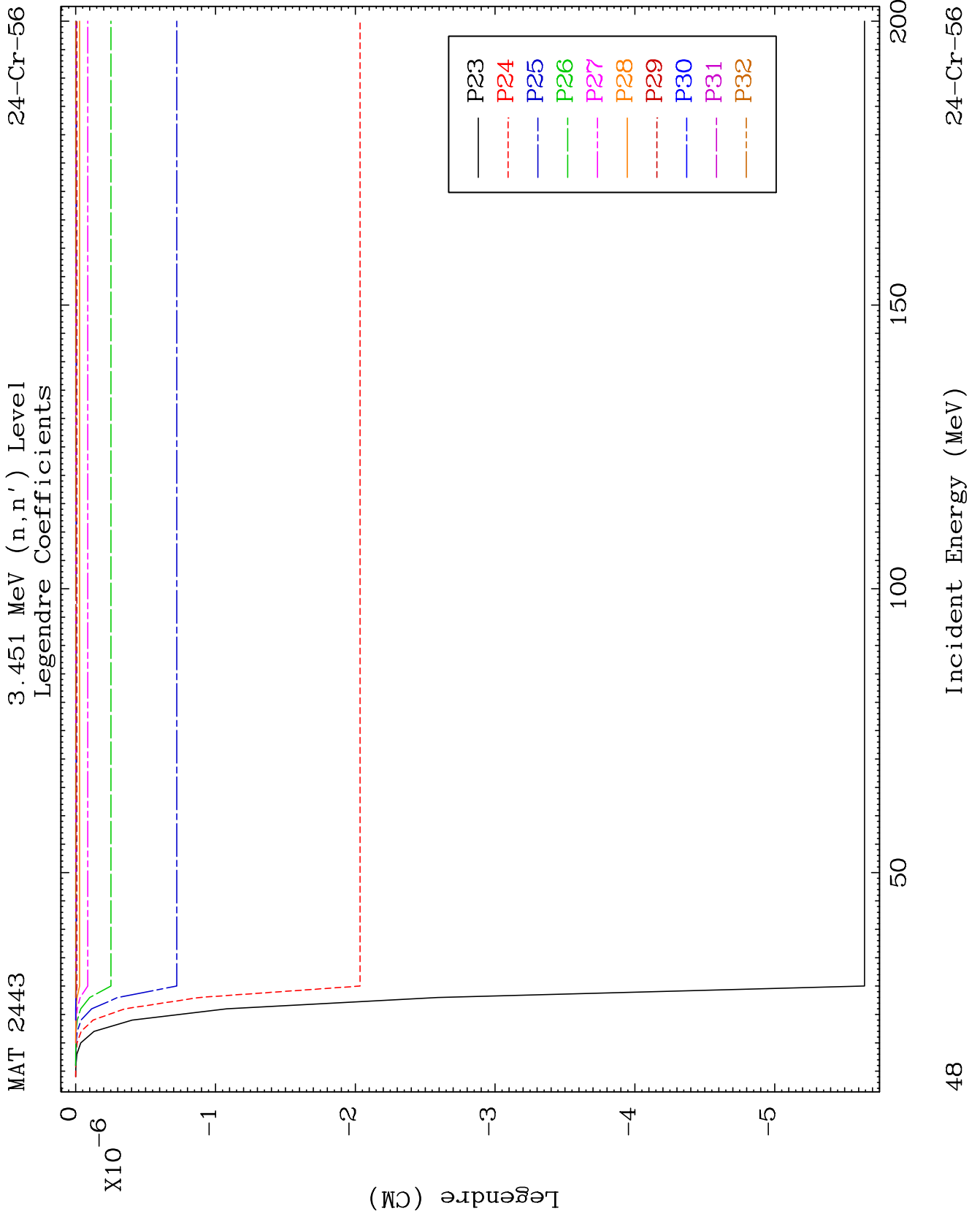


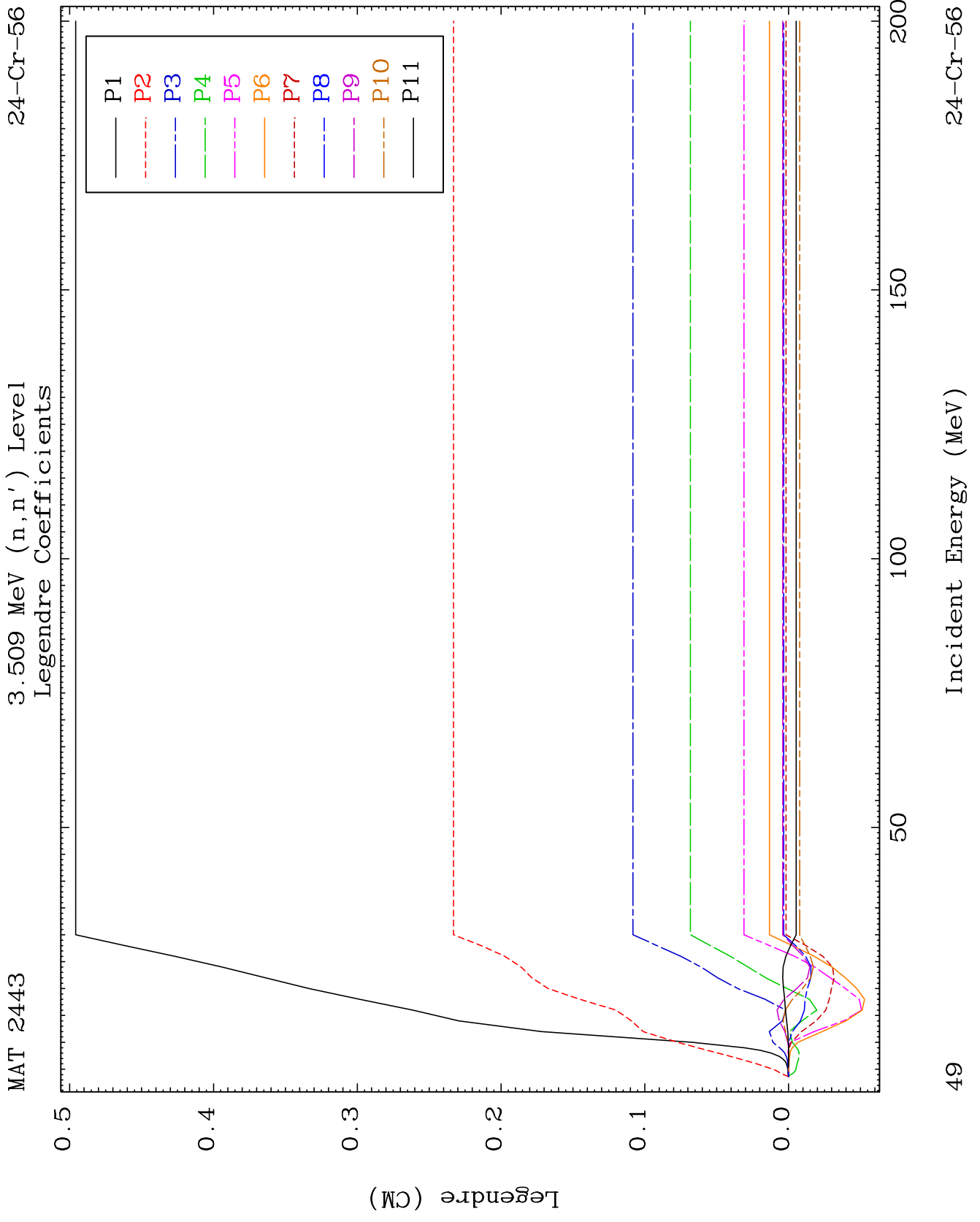
46

Incident Energy (MeV)

24-Cr-56



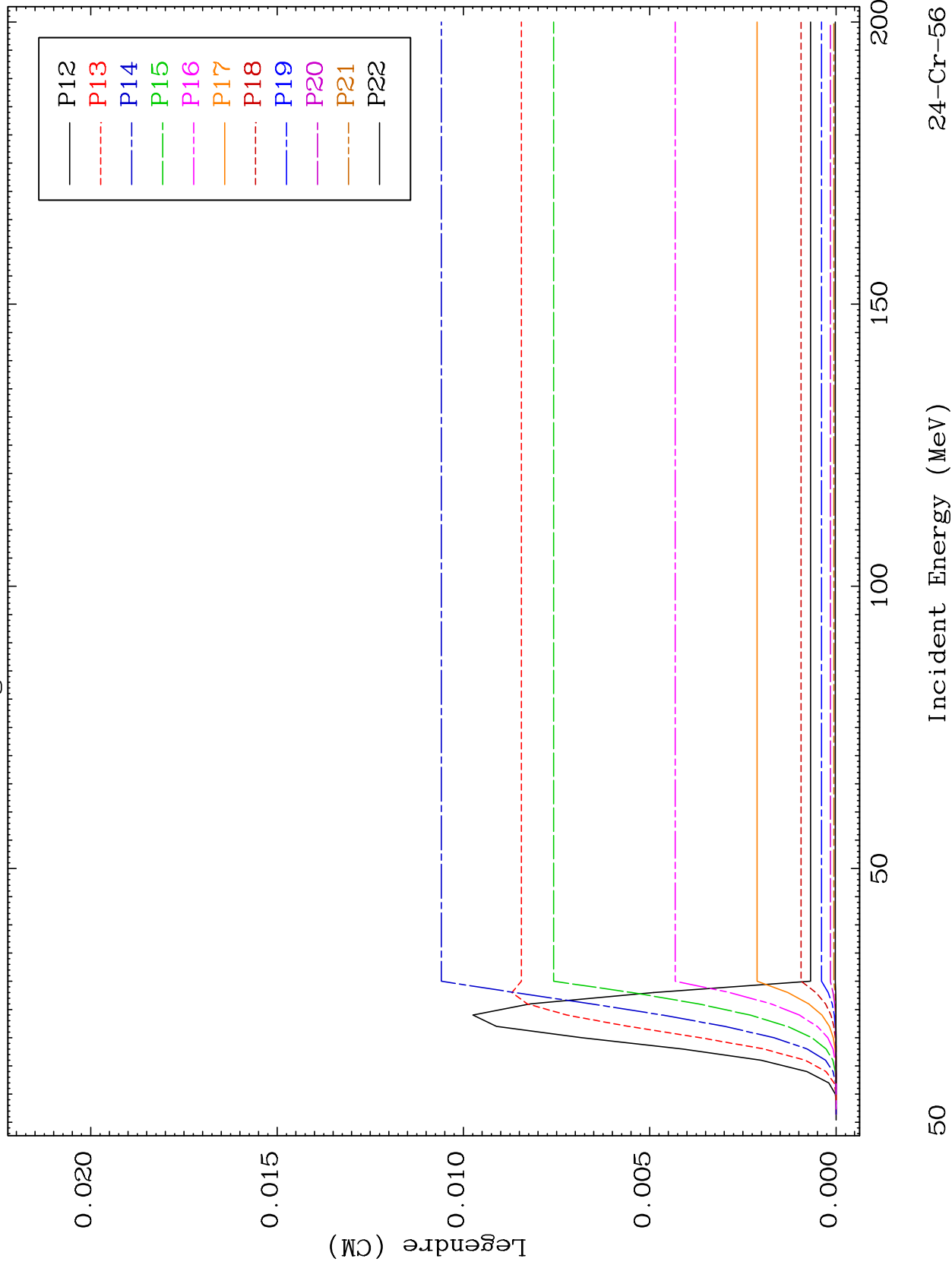




MAT 2443

3.509 MeV (n,n') Level
Legendre Coefficients

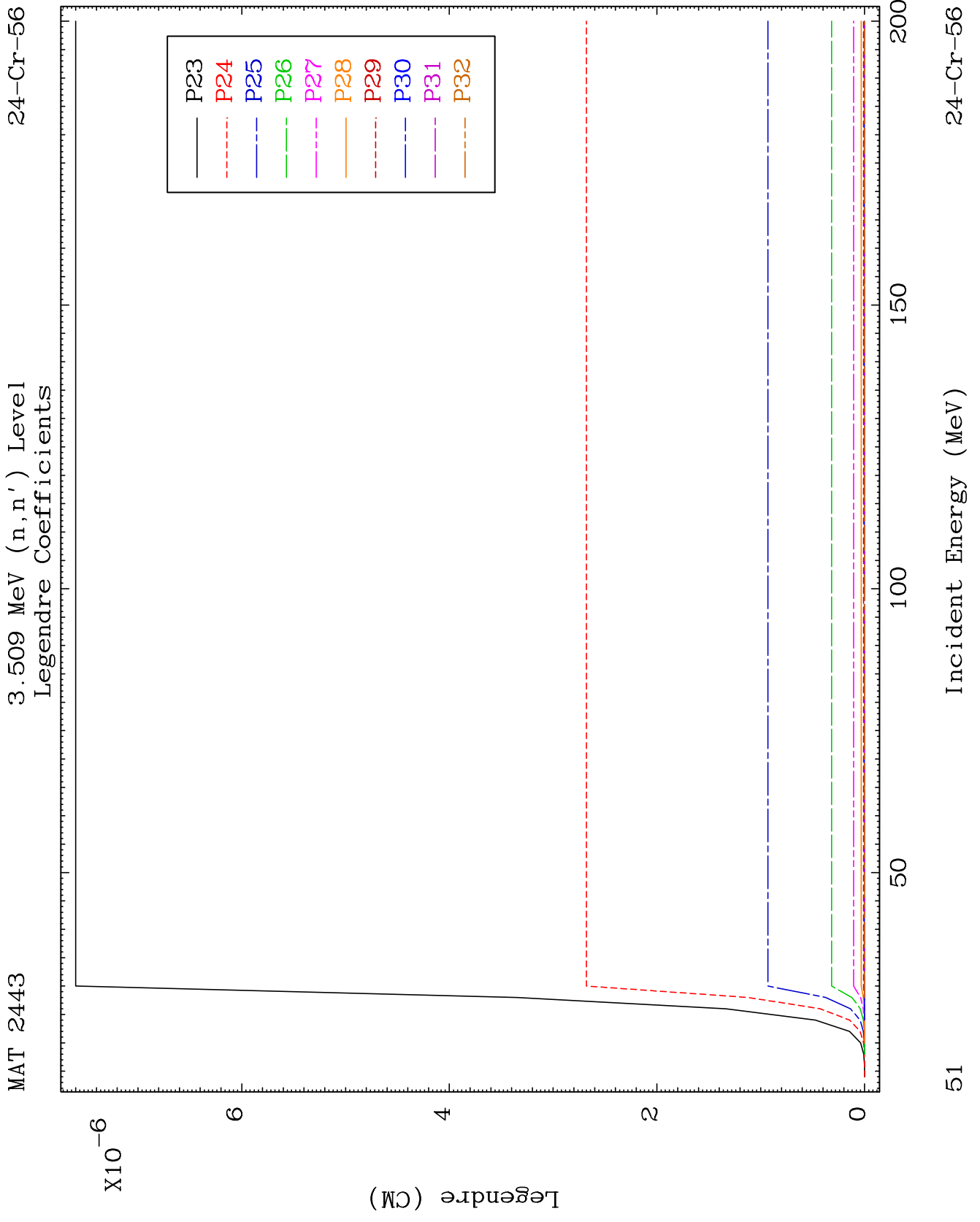
24-Cr-56



24-Cr-56

Incident Energy (MeV)

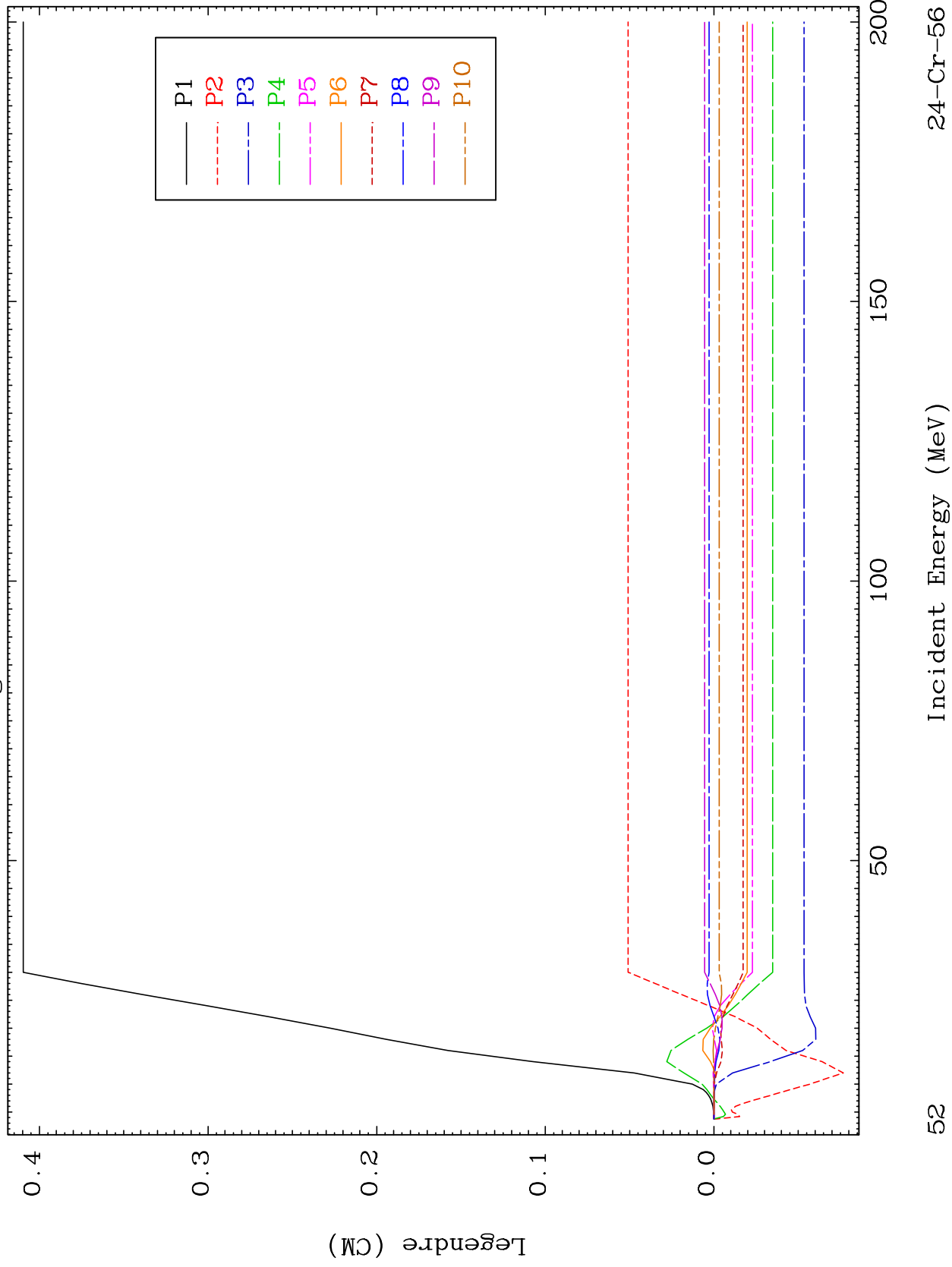
50



MAT 2443

3.648 MeV (n,n') Level
Legendre Coefficients

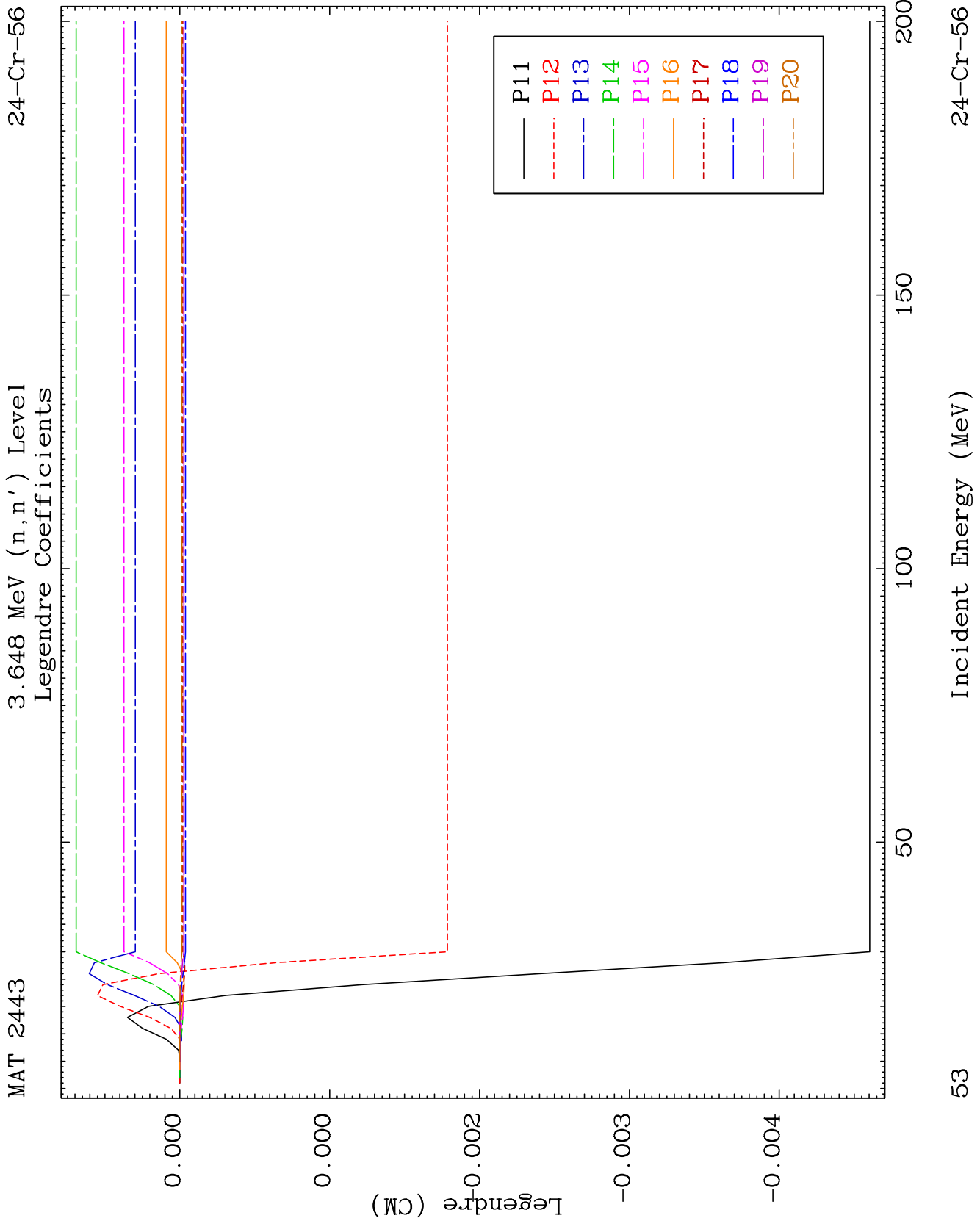
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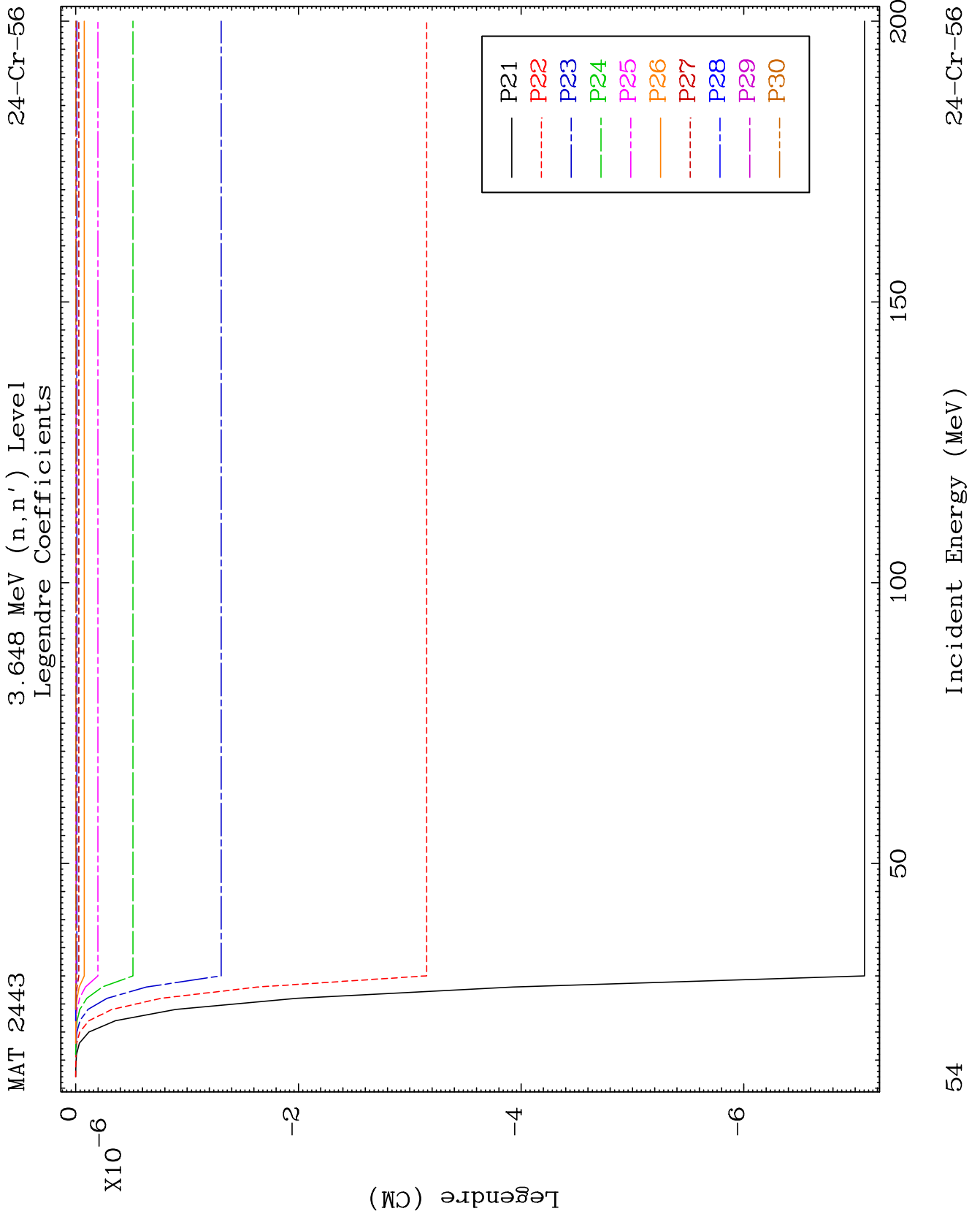


52

Incident Energy (MeV)

24-Cr-56

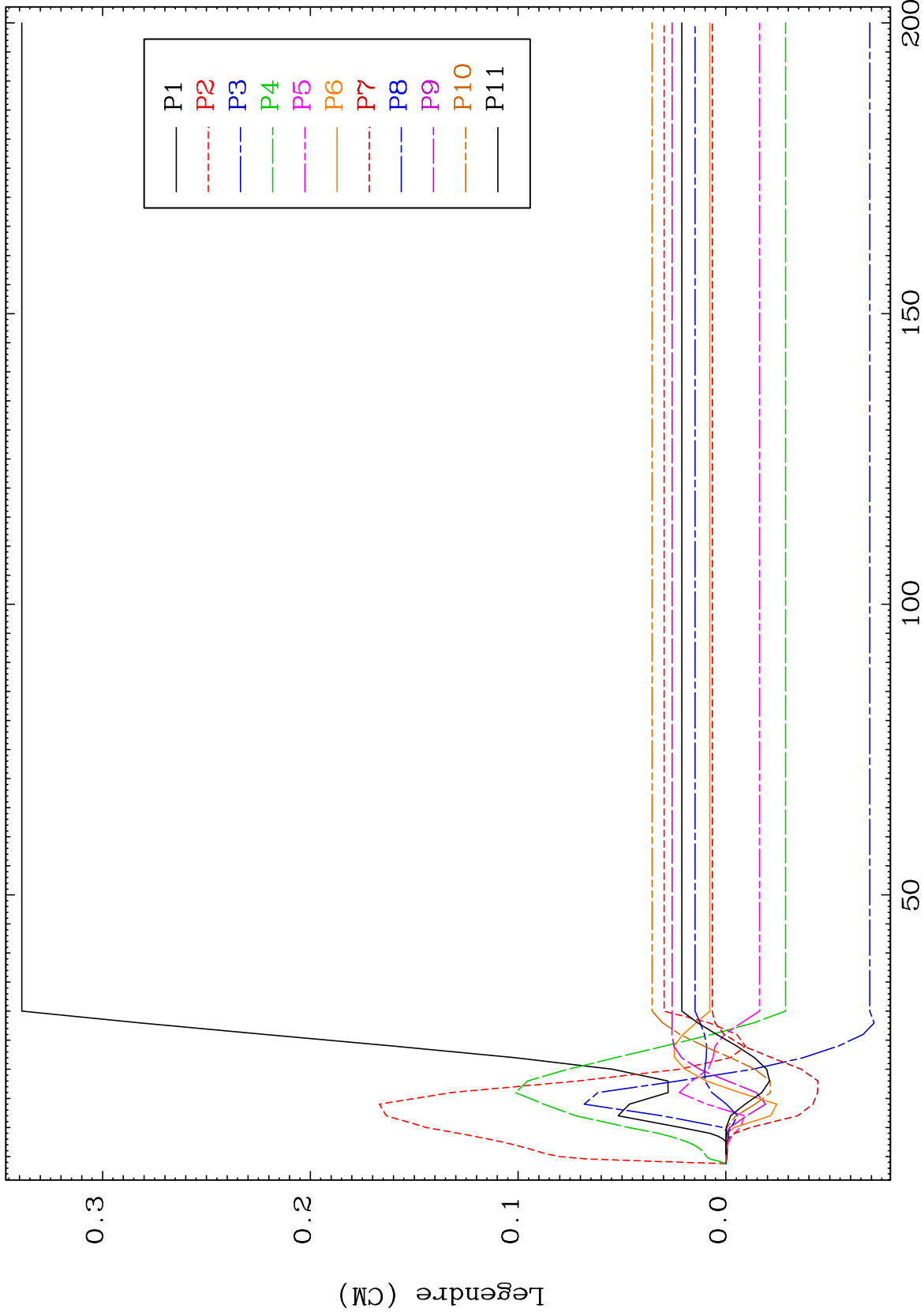




MAT 2443

3.675 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



55

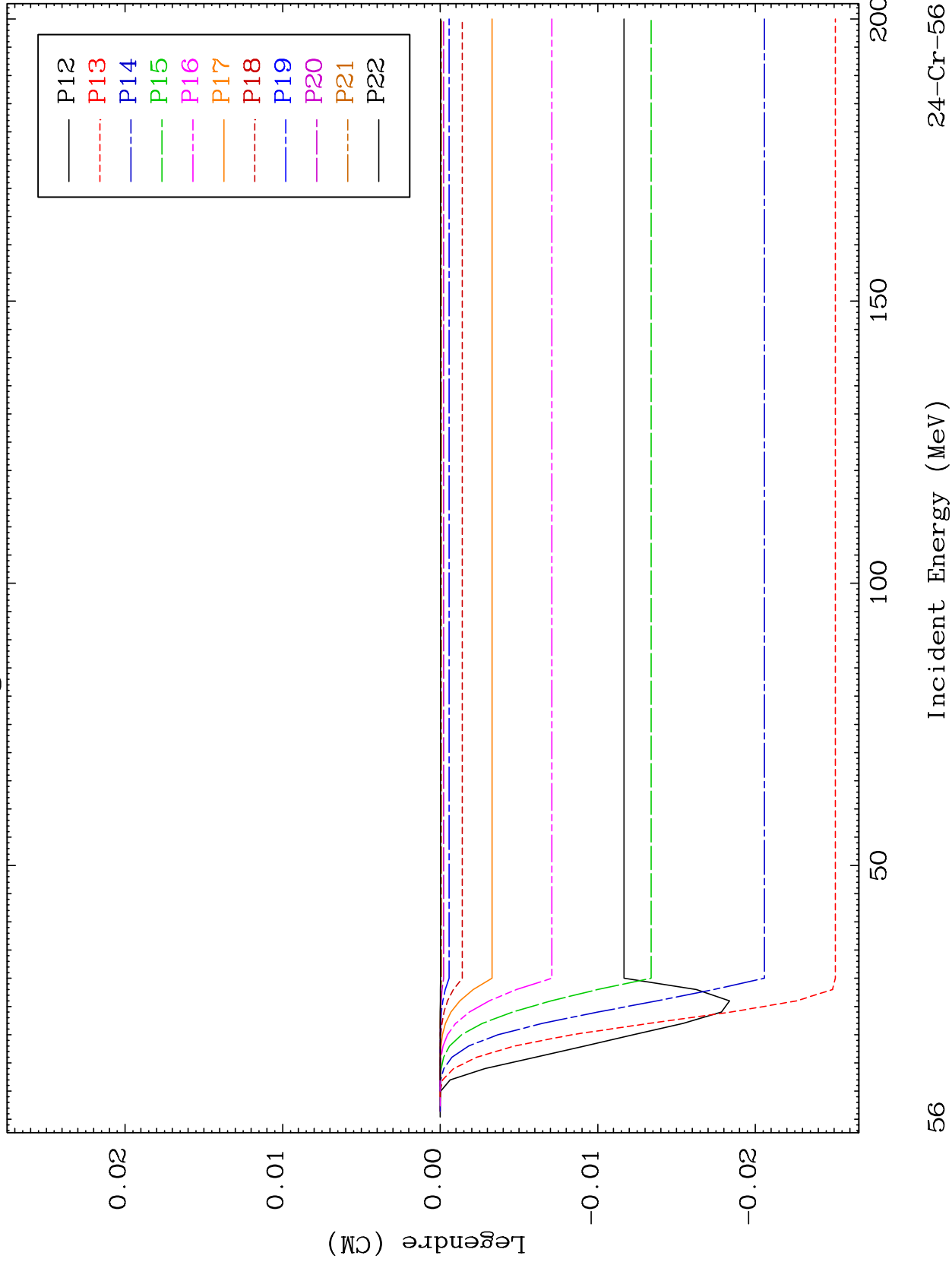
Incident Energy (MeV)

24-Cr-56

MAT 2443

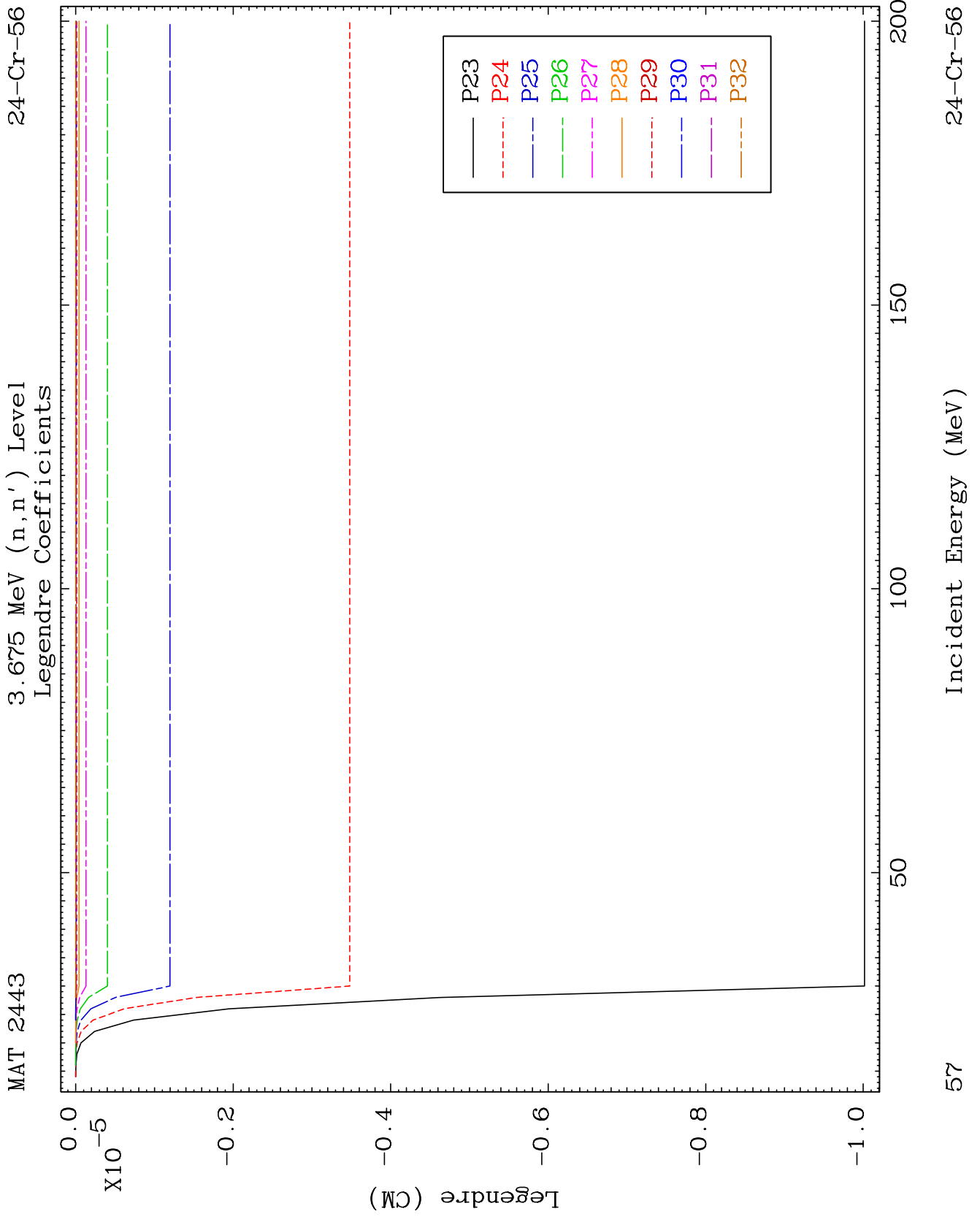
3.675 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



56

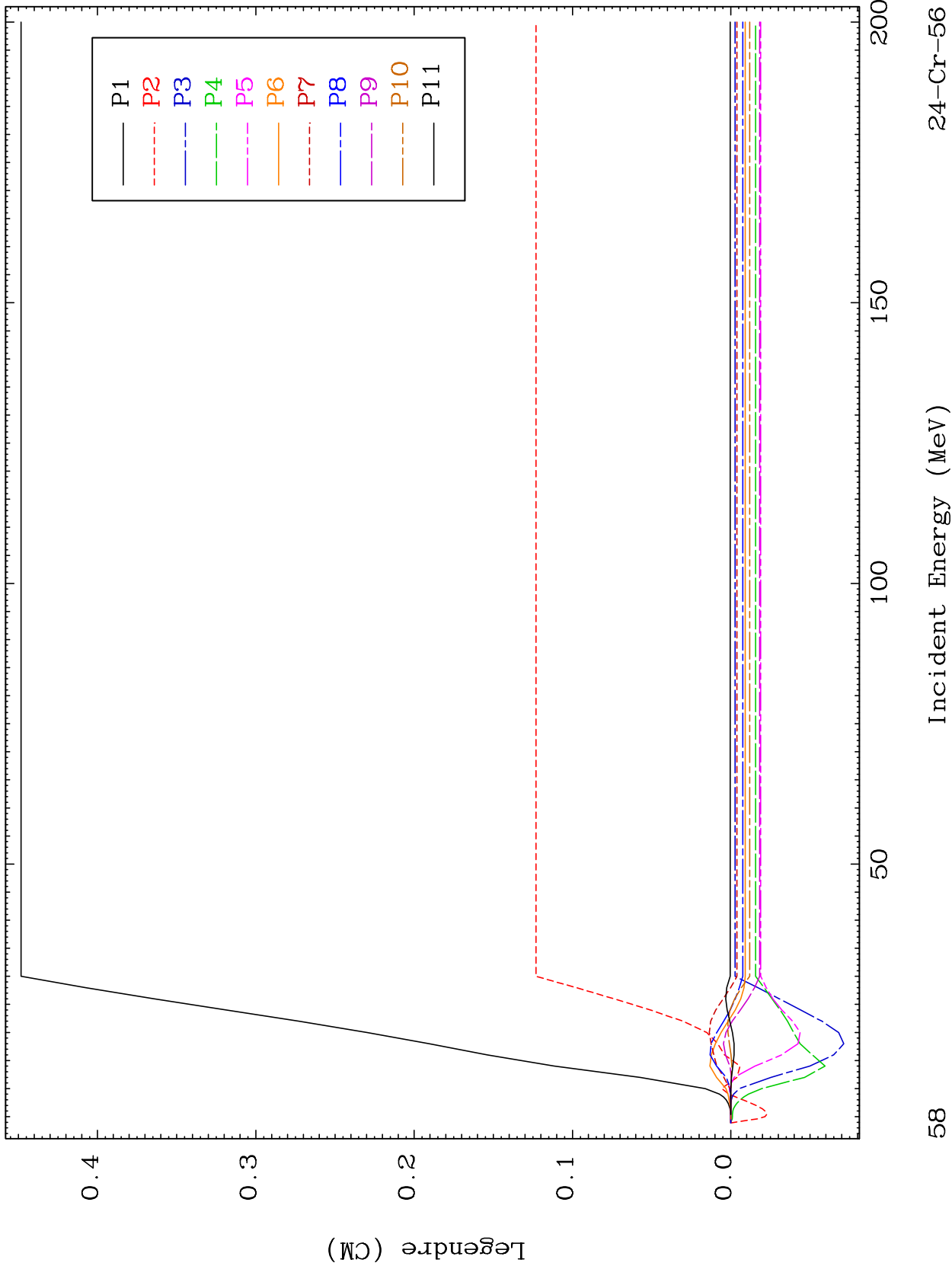
24-Cr-56



MAT 2443

3.794 MeV (n,n') Level
Legendre Coefficients

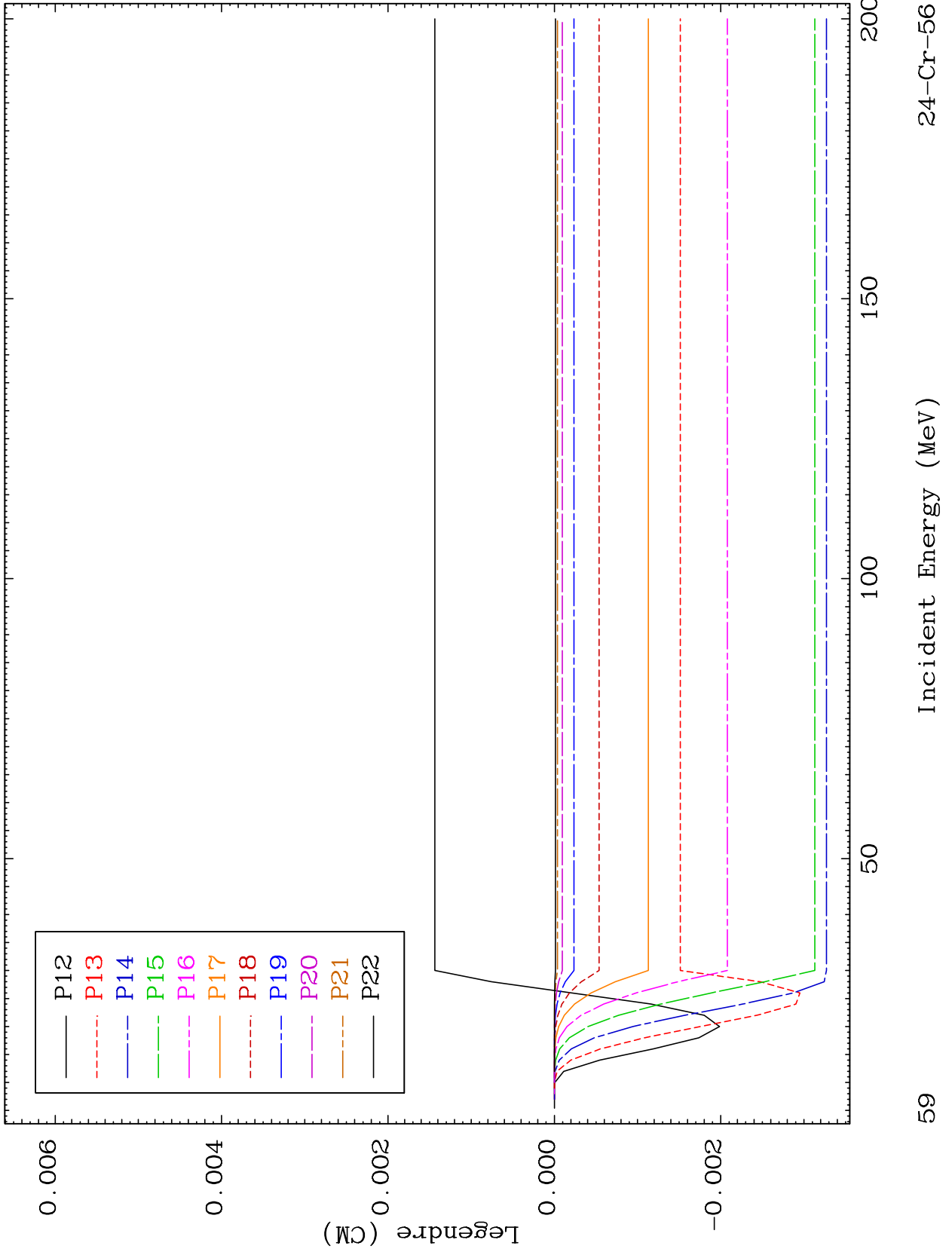
24-Cr-56

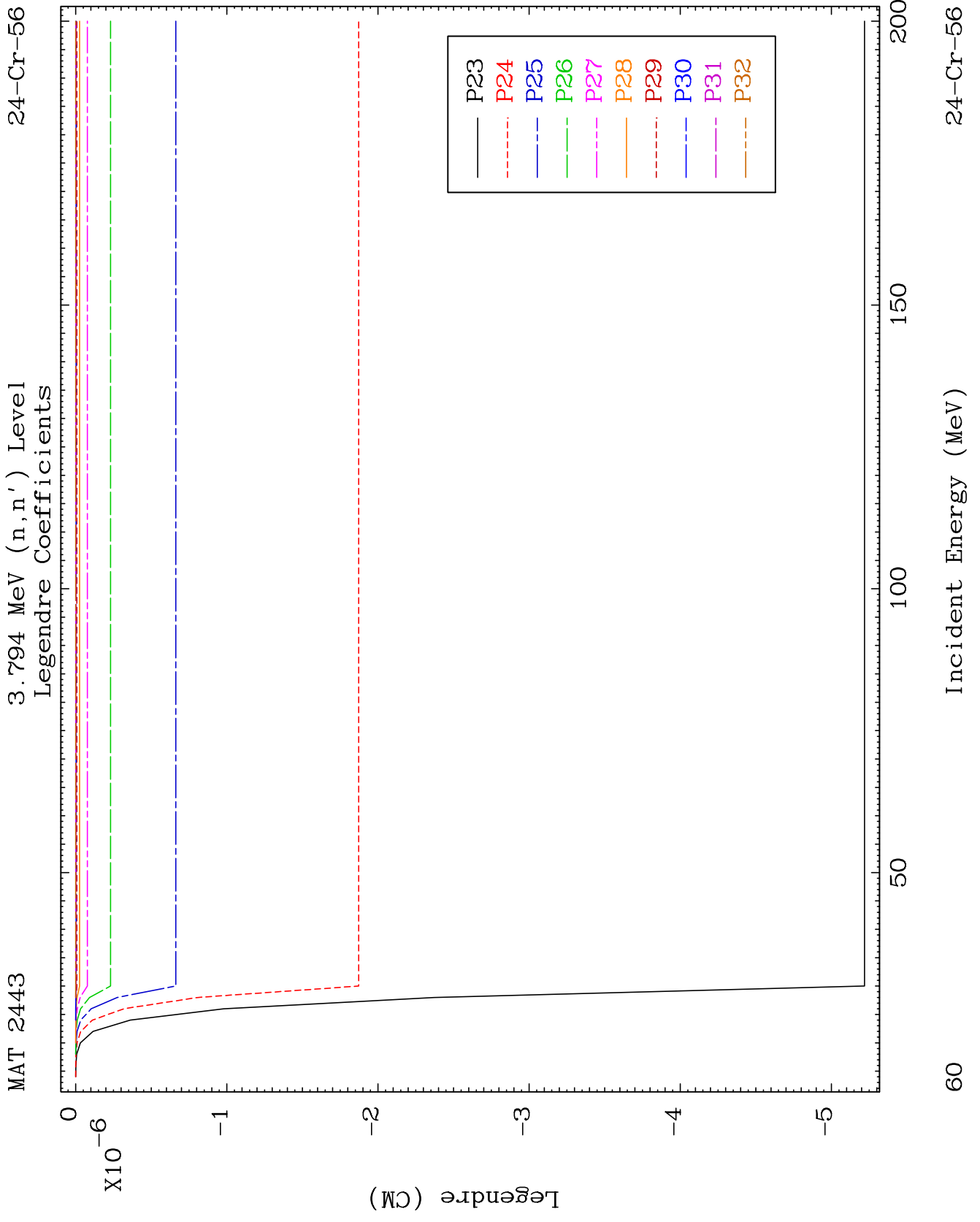


58

Incident Energy (MeV)

24-Cr-56

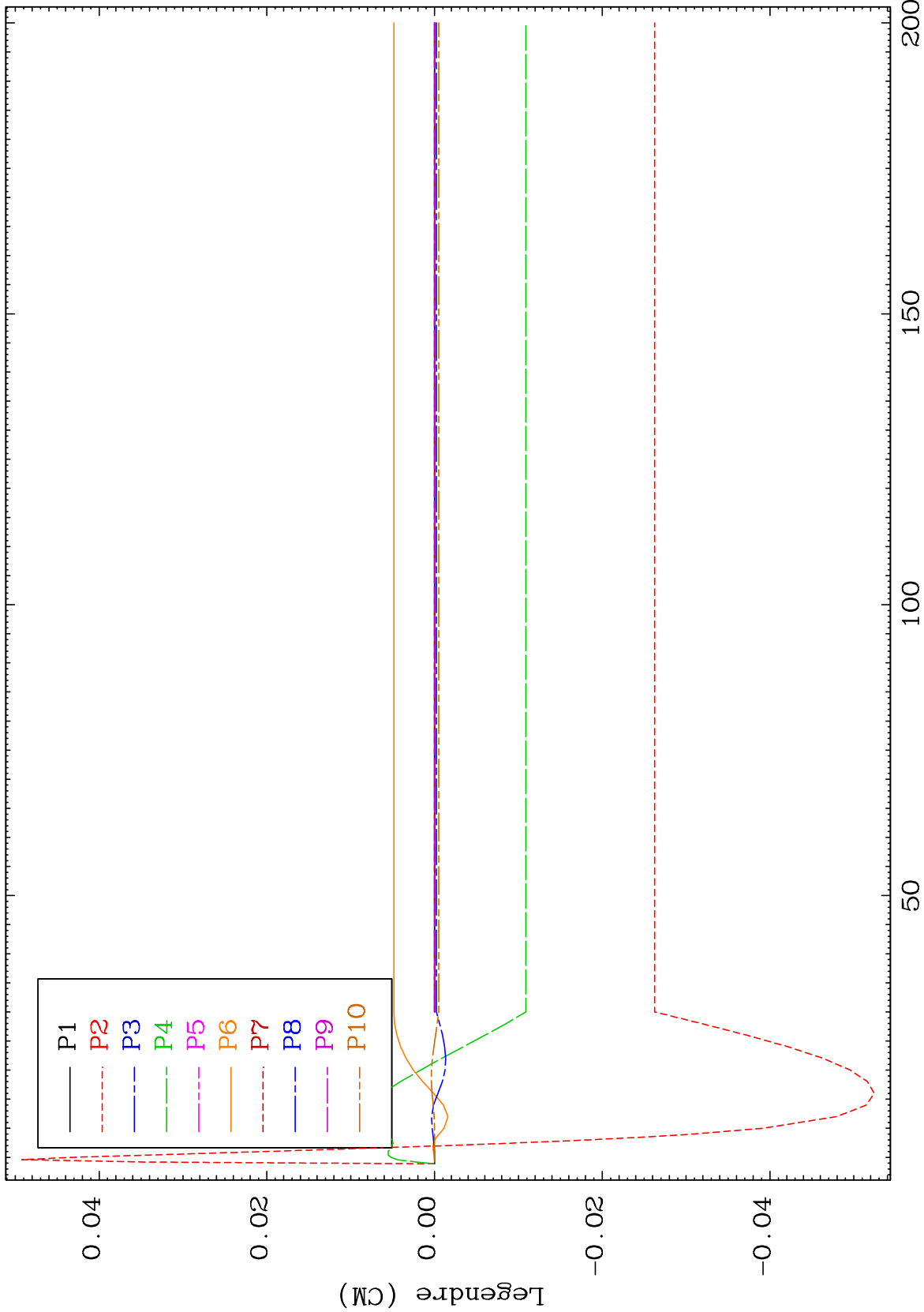




MAT 2443

3.819 MeV (n,n') Level
Legendre Coefficients

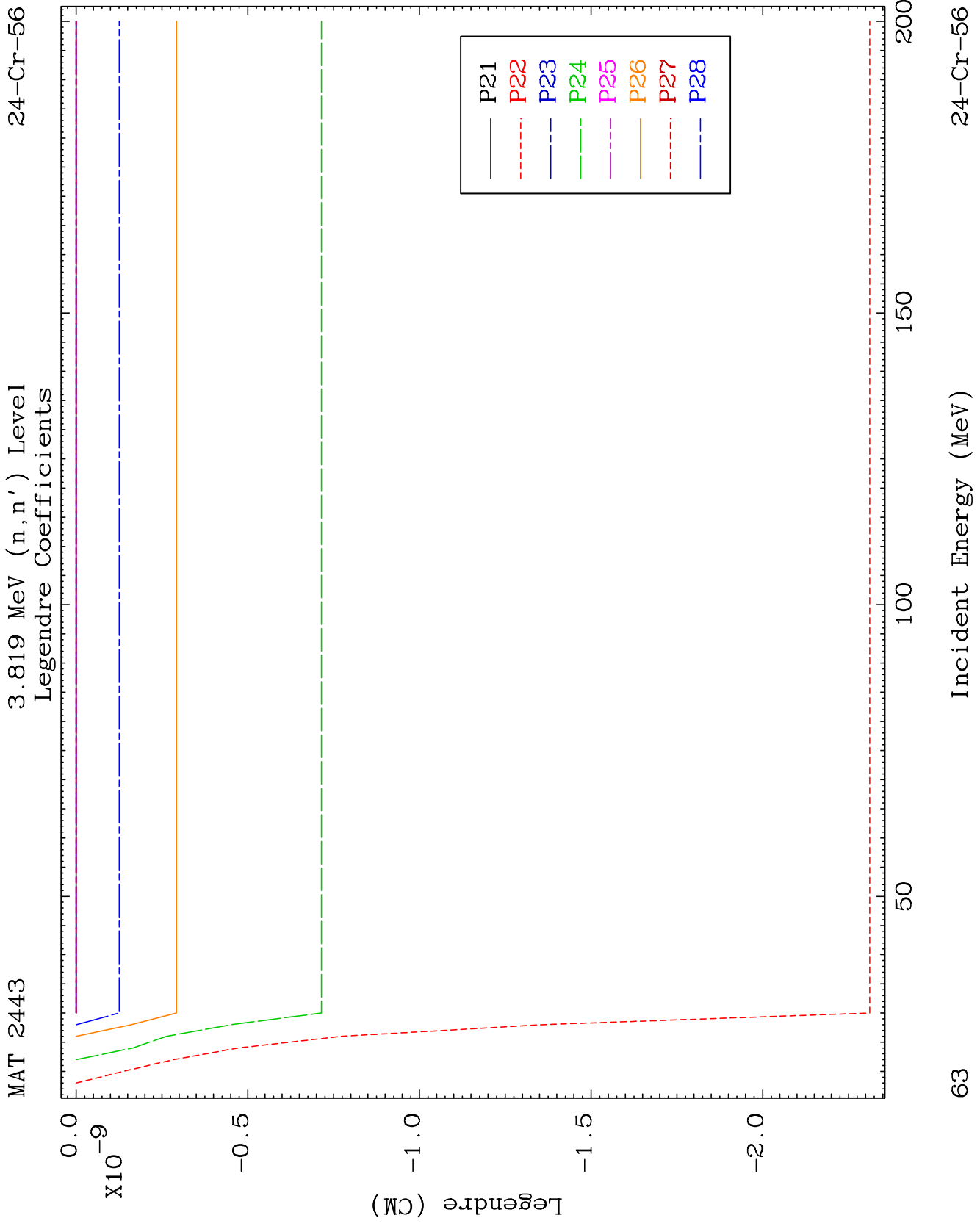
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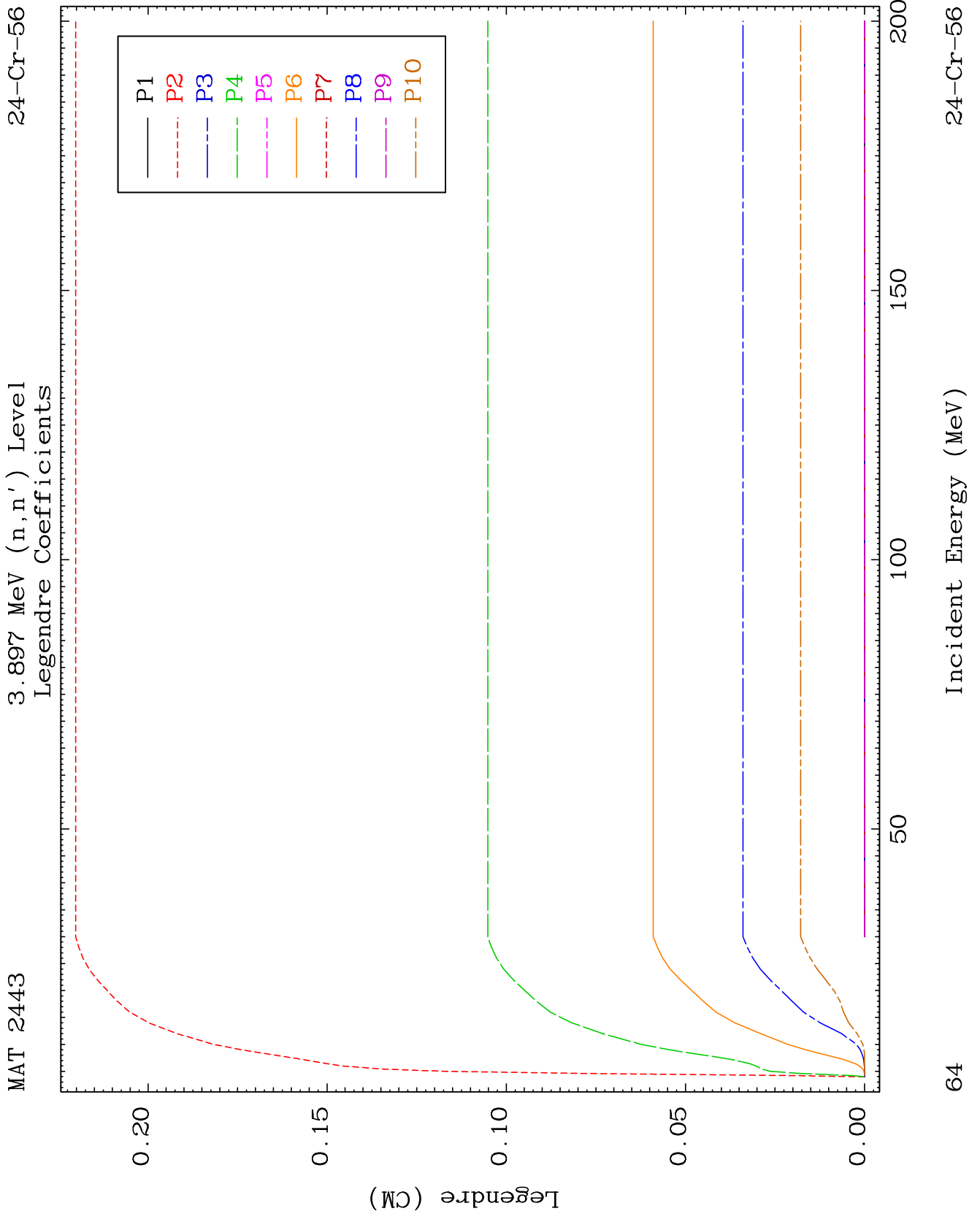


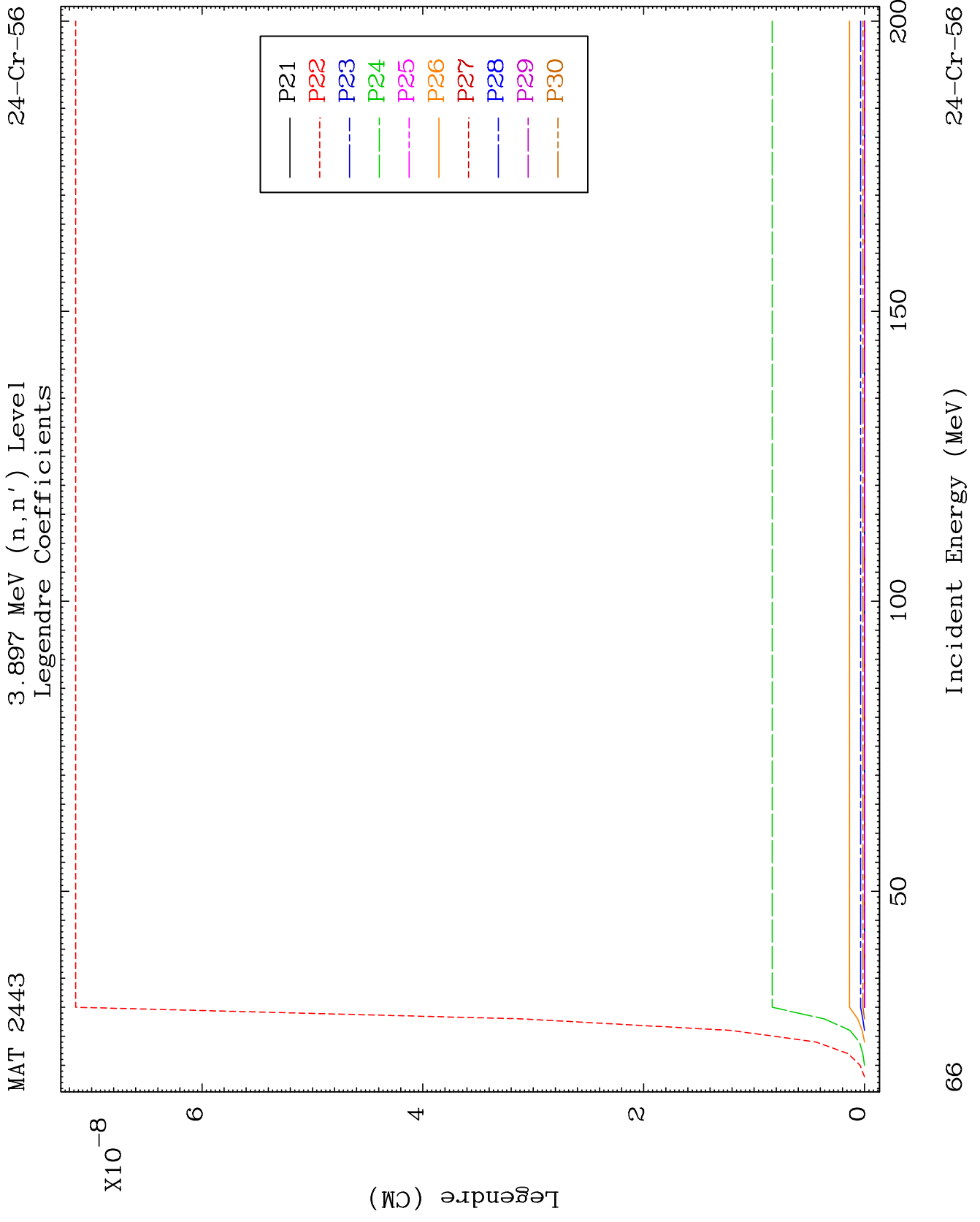
61

Incident Energy (MeV)

24-Cr-56



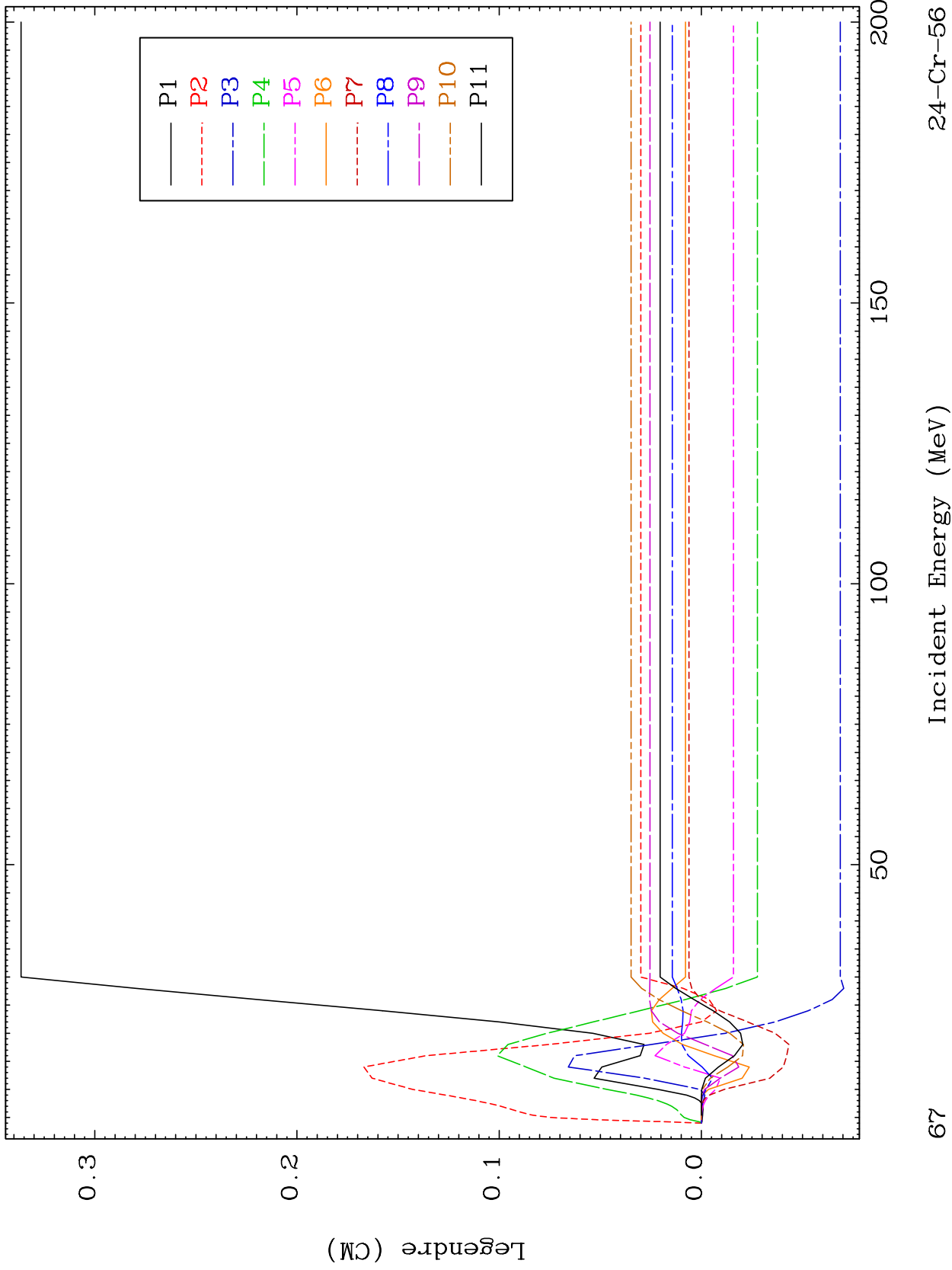




MAT 2443

3.916 MeV (n,n') Level
Legendre Coefficients

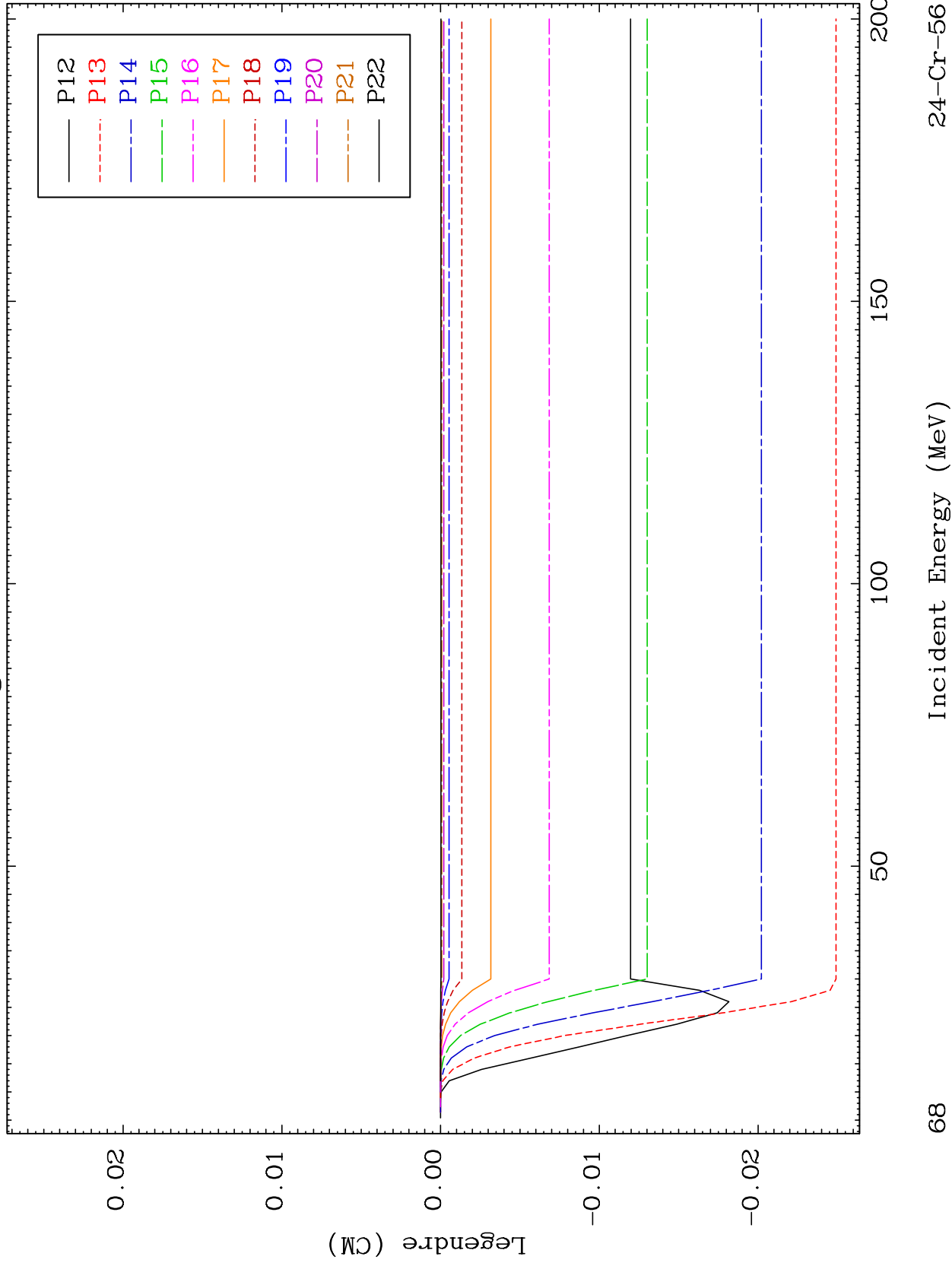
24-Cr-56



MAT 2443

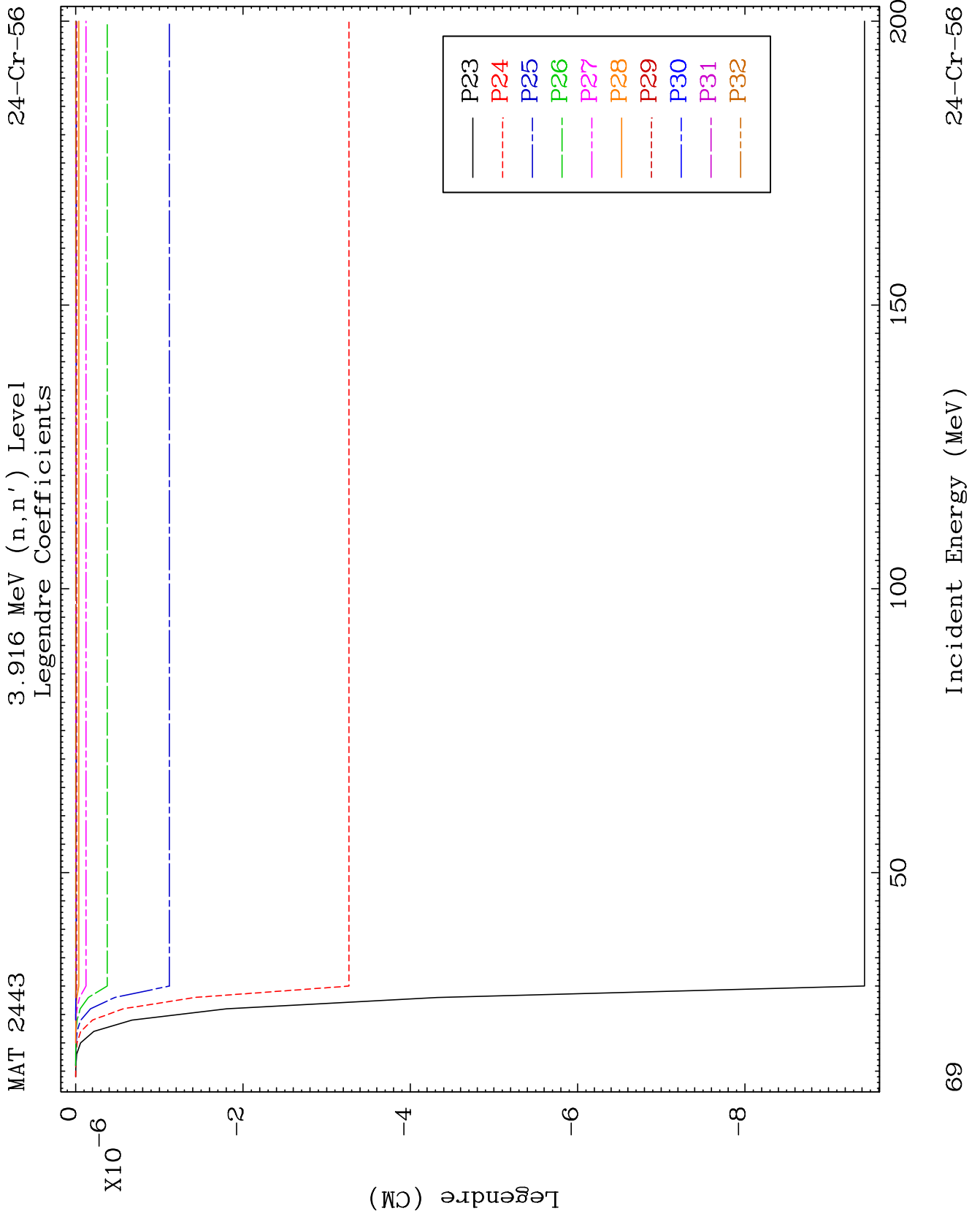
3.916 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



68

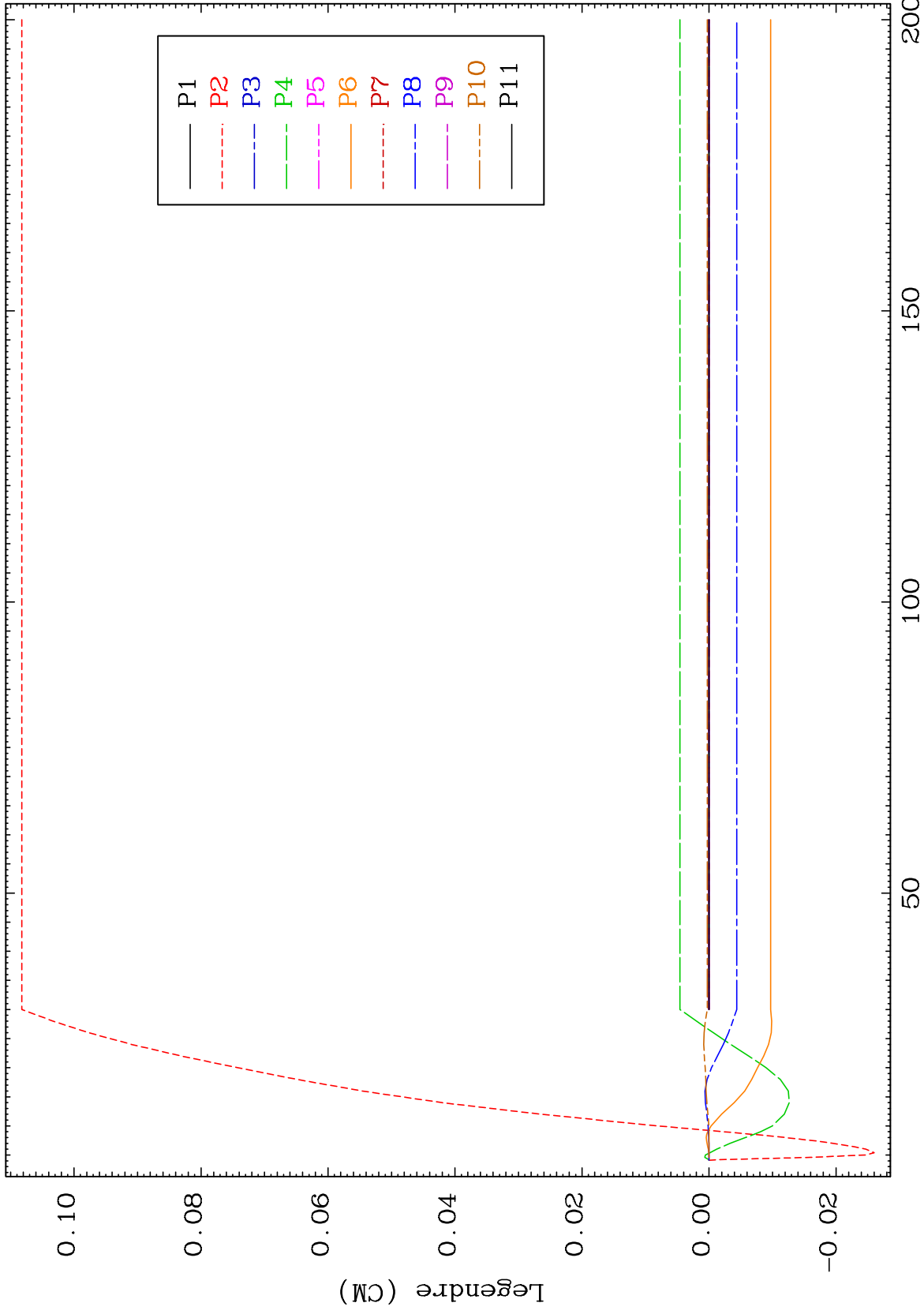
24-Cr-56



MAT 2443

4.014 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



70

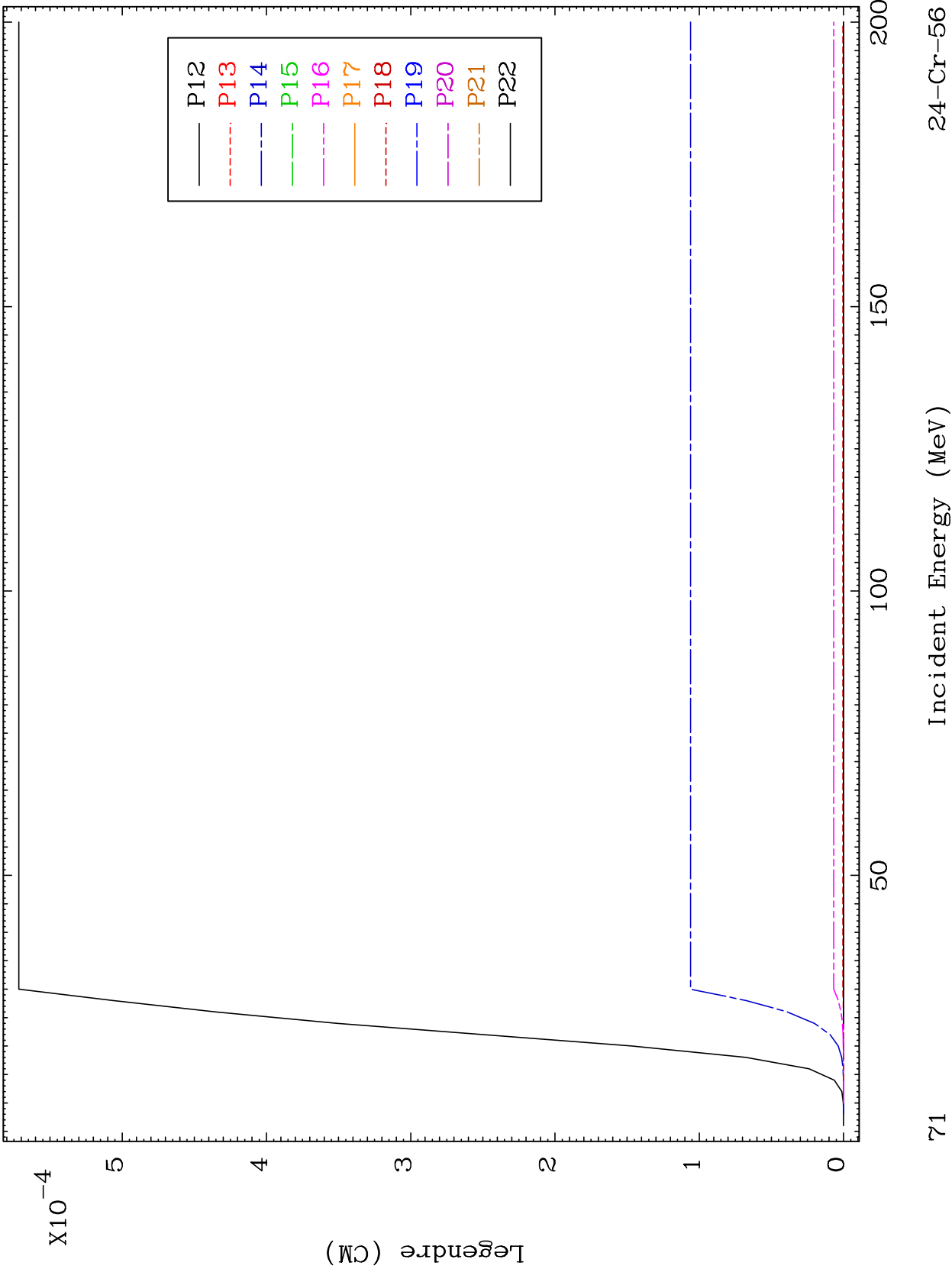
Incident Energy (MeV)

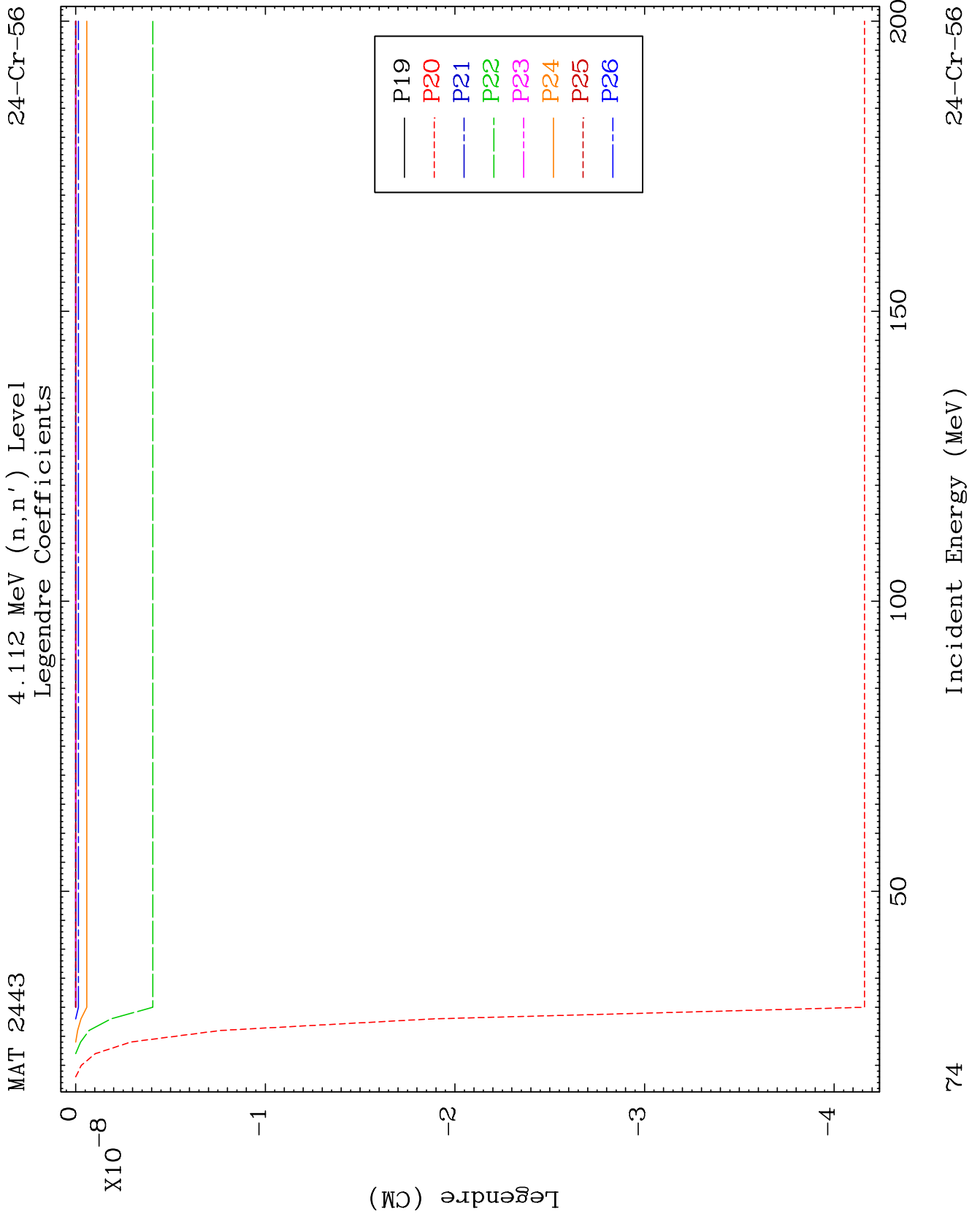
24-Cr-56

MAT 2443

4.014 MeV (n,n') Level
Legendre Coefficients

24-Cr-56

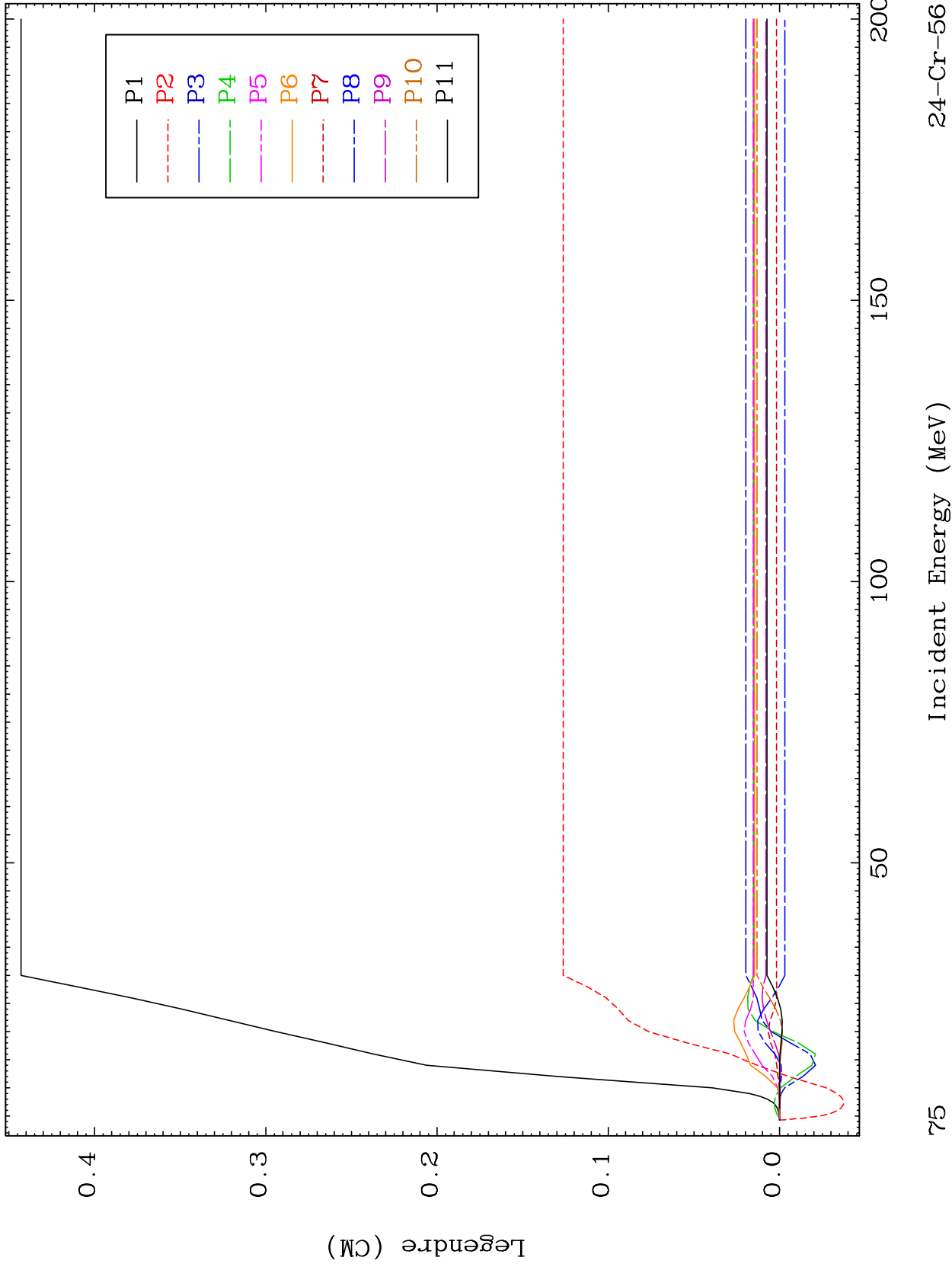




MAT 2443

4.175 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



75

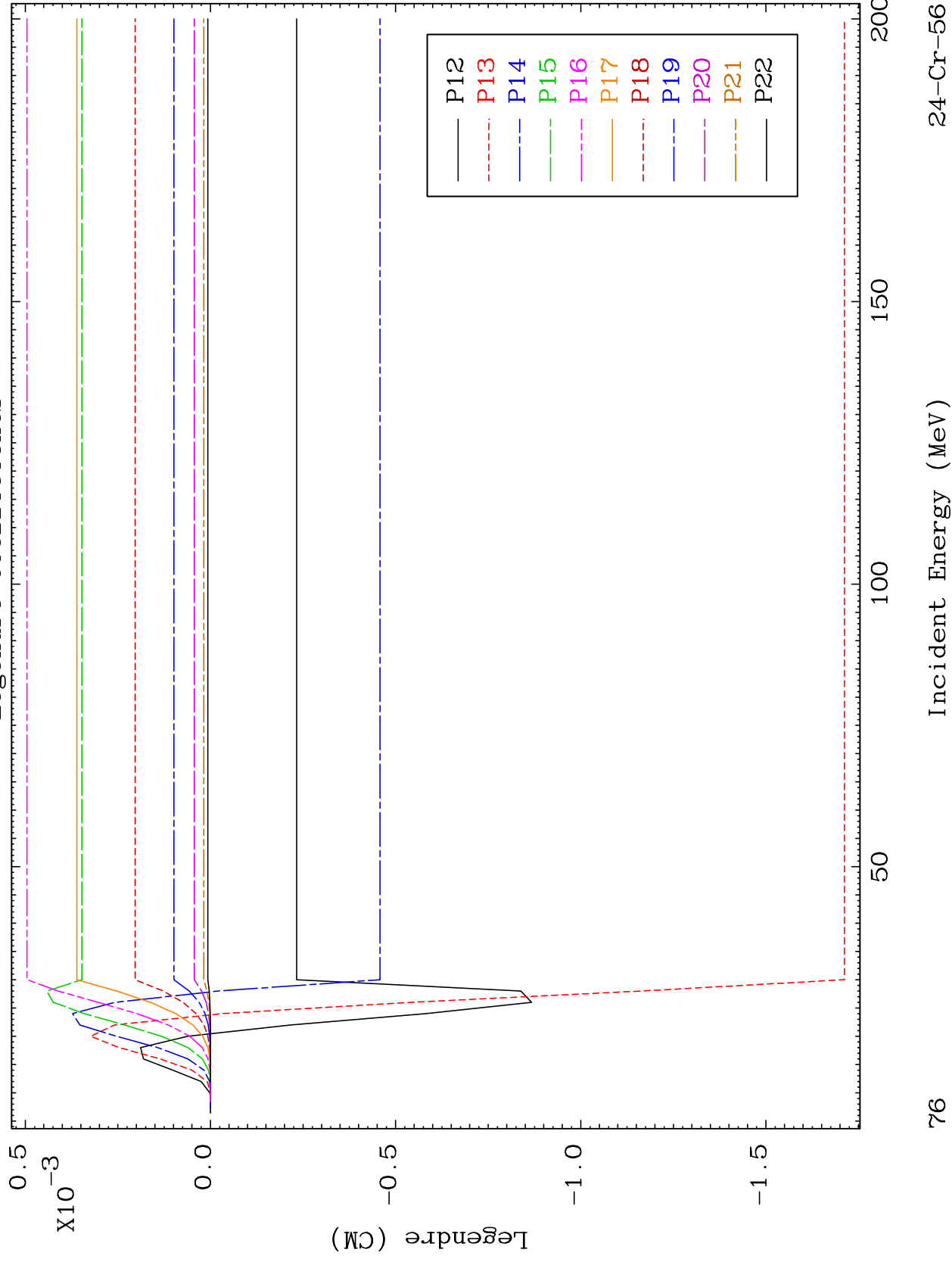
Incident Energy (MeV)

24-Cr-56

MAT 2443

4.175 MeV (n,n') Level
Legendre Coefficients

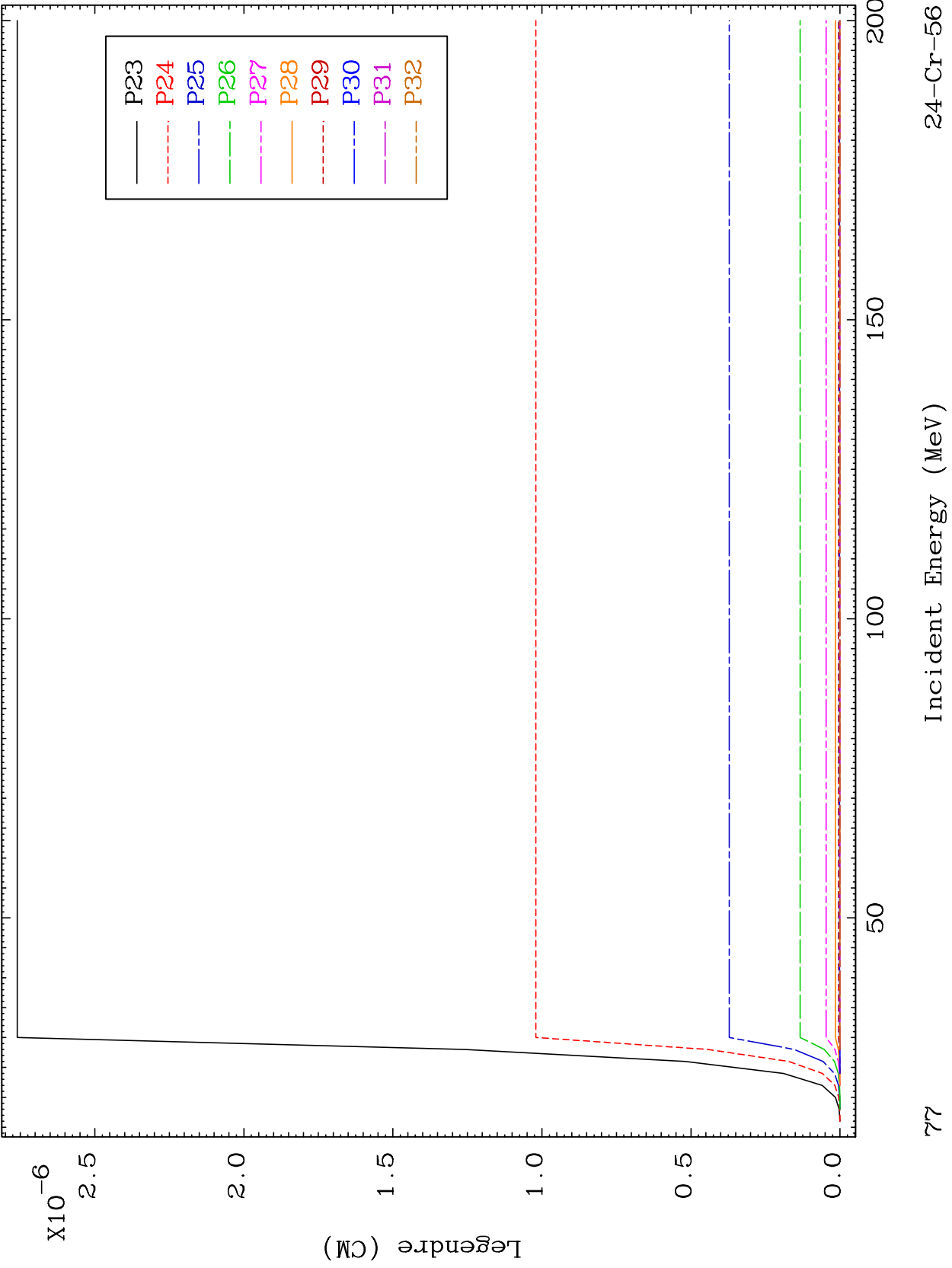
24-Cr-56



76

Incident Energy (MeV)

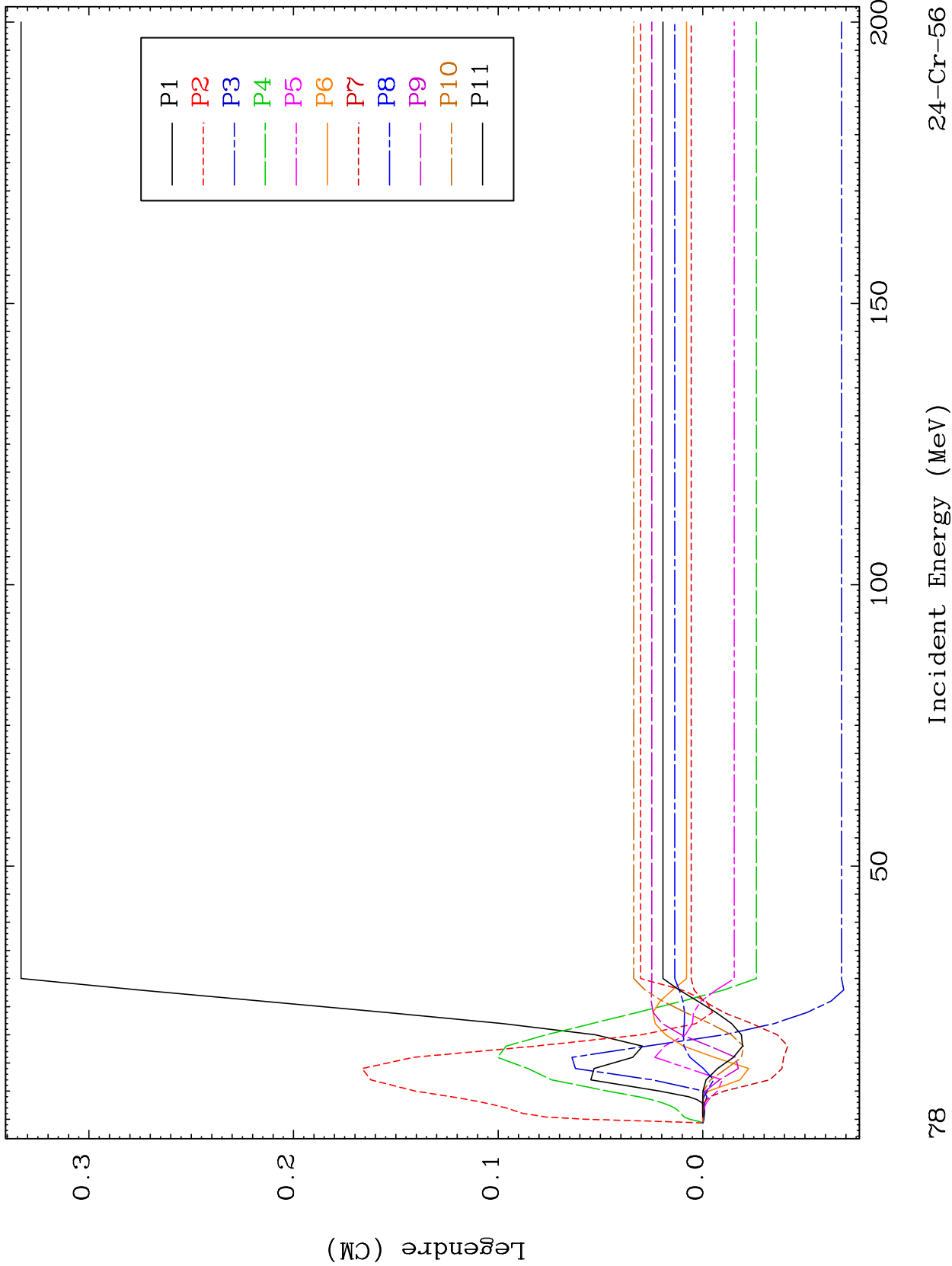
24-Cr-56



MAT 2443

4.247 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



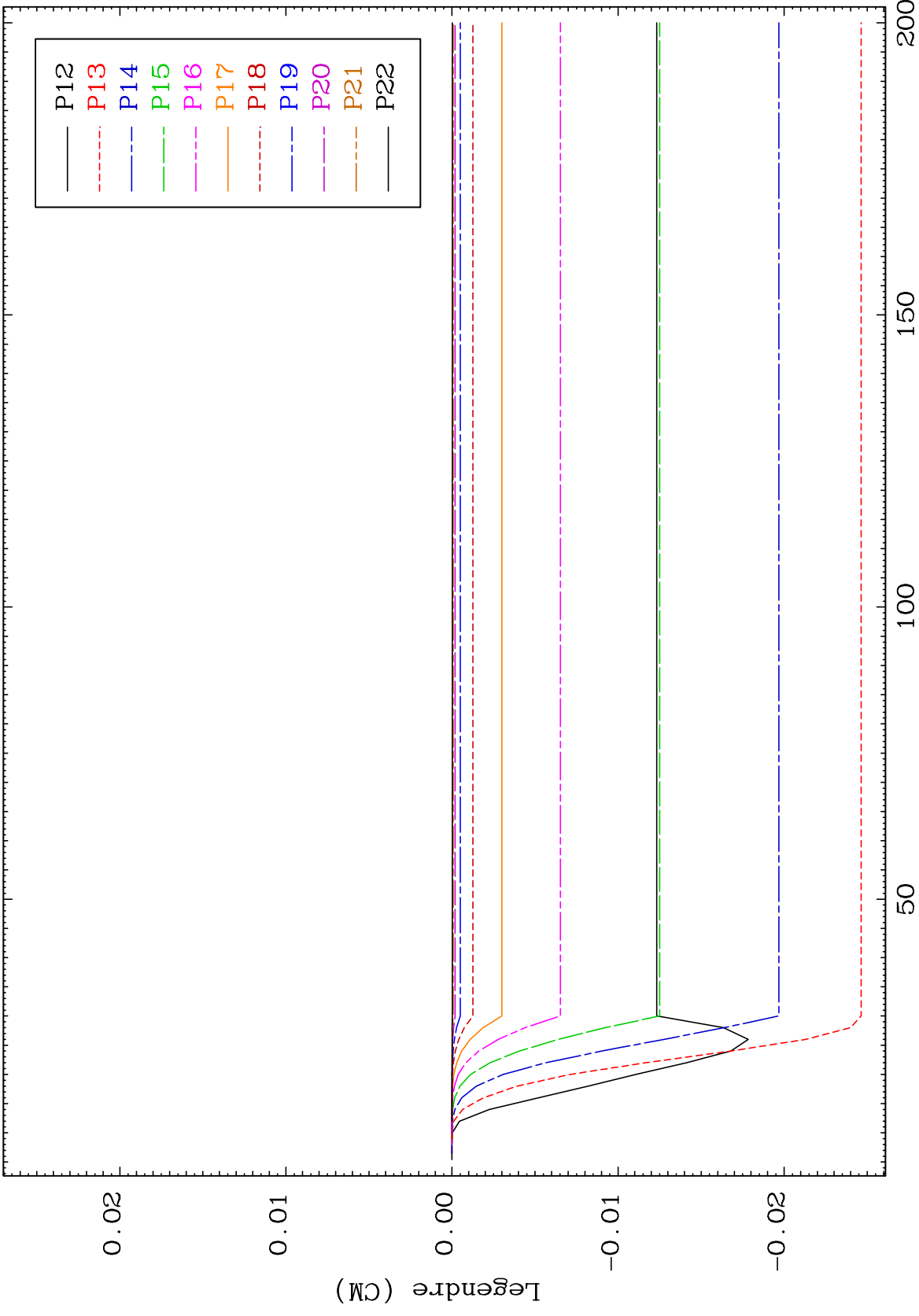
78

24-Cr-56

MAT 2443

4.247 MeV (n,n') Level
Legendre Coefficients

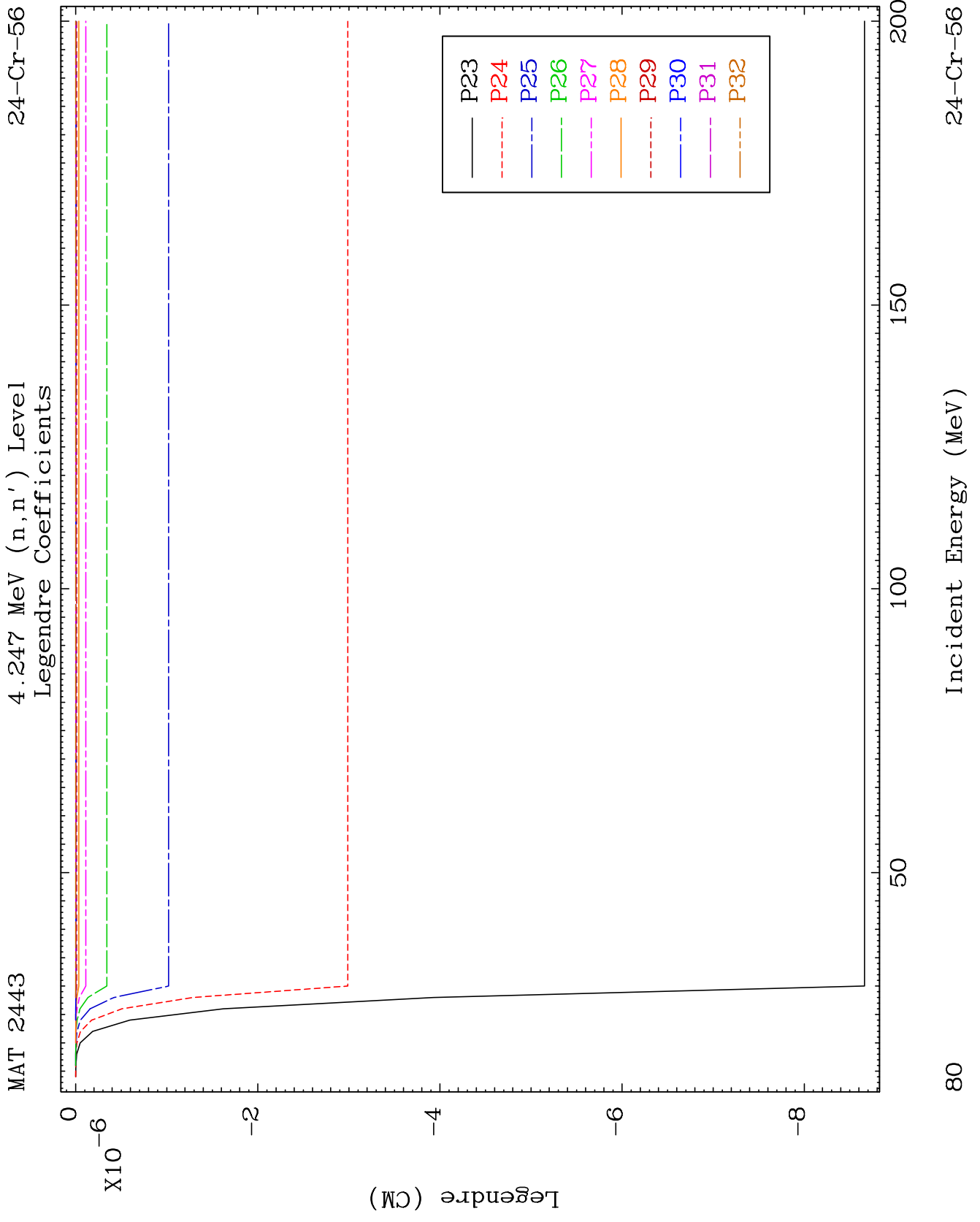
24-Cr-56

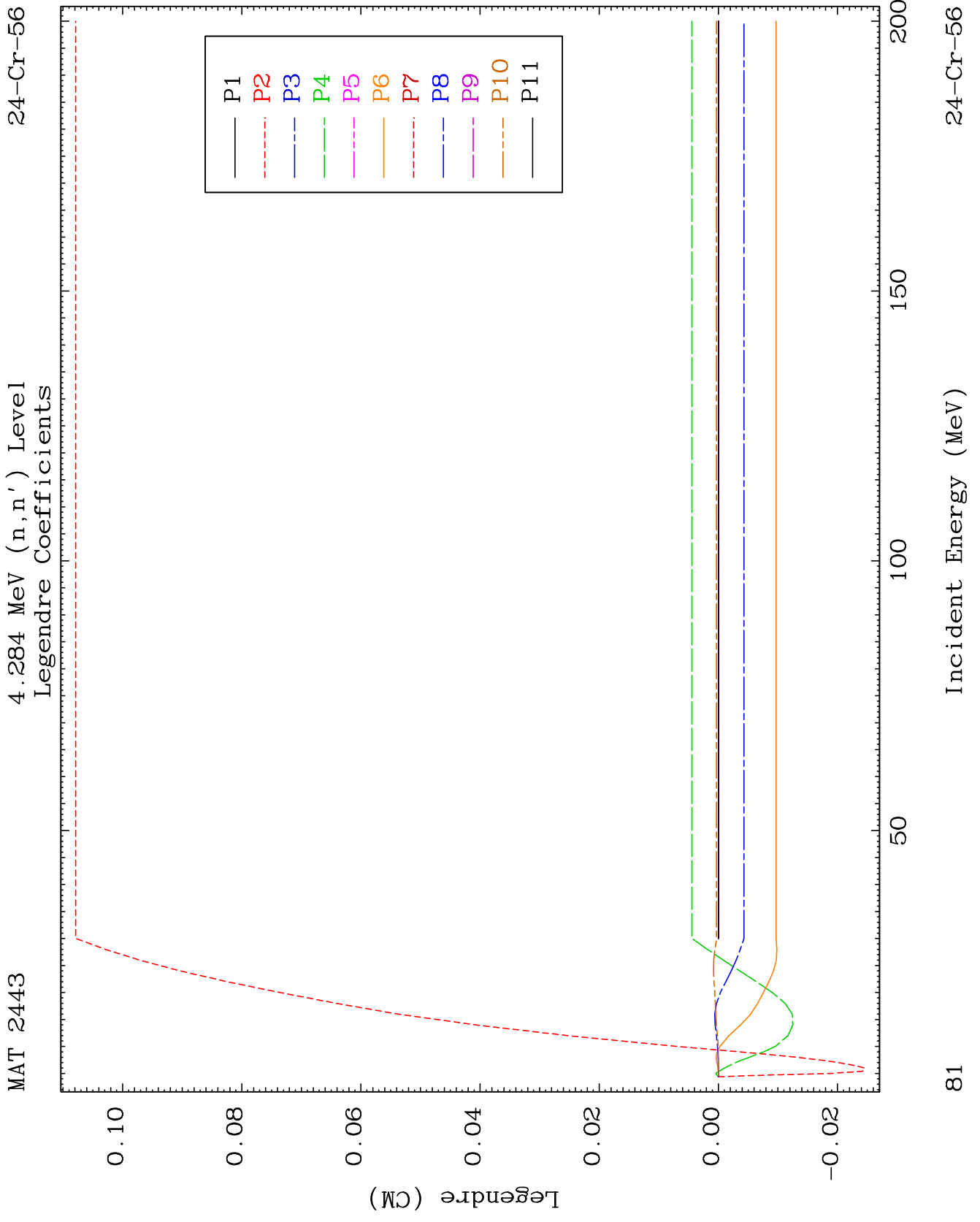


79

Incident Energy (MeV)

24-Cr-56

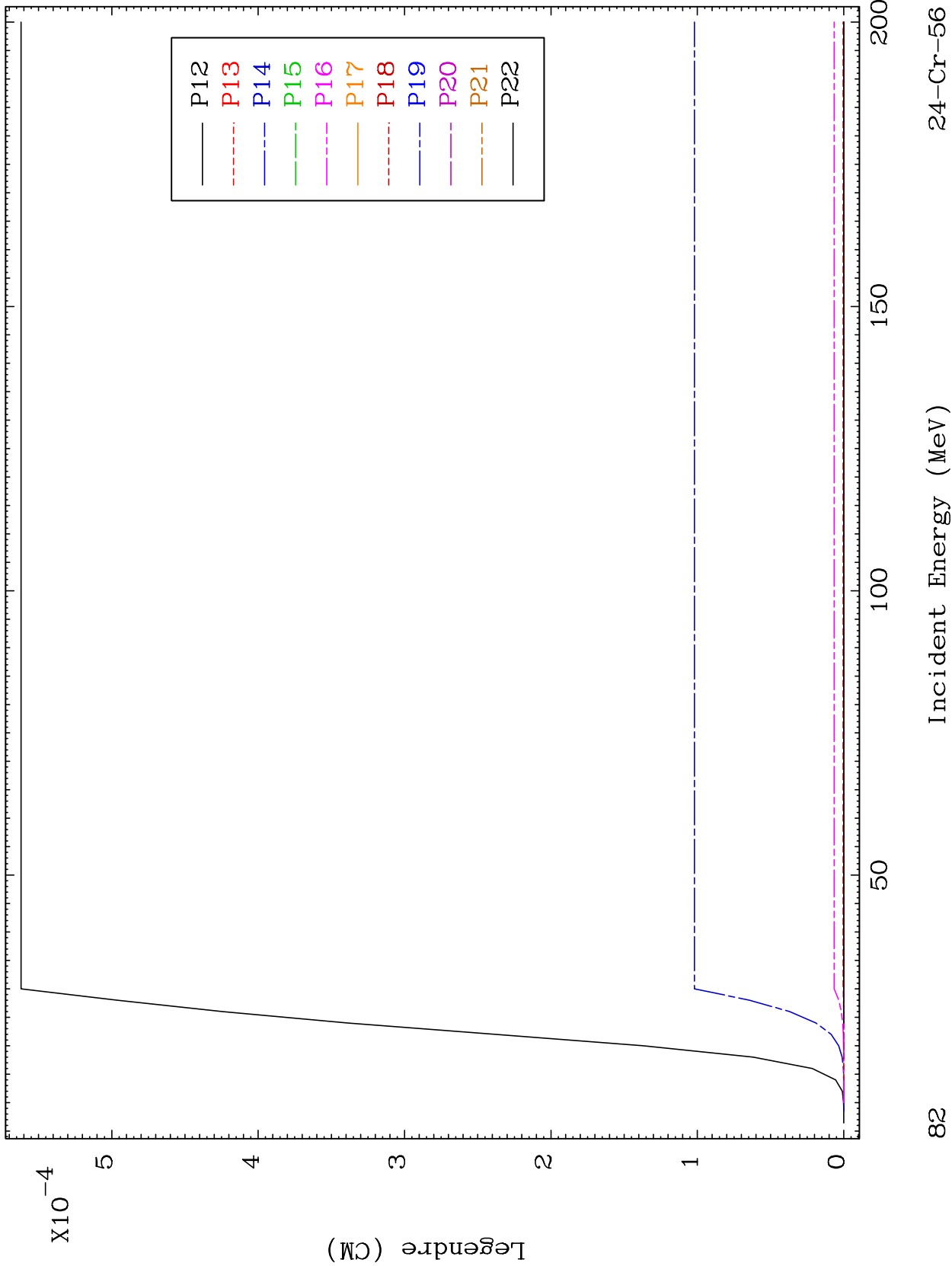




MAT 2443

4.284 MeV (n,n') Level
Legendre Coefficients

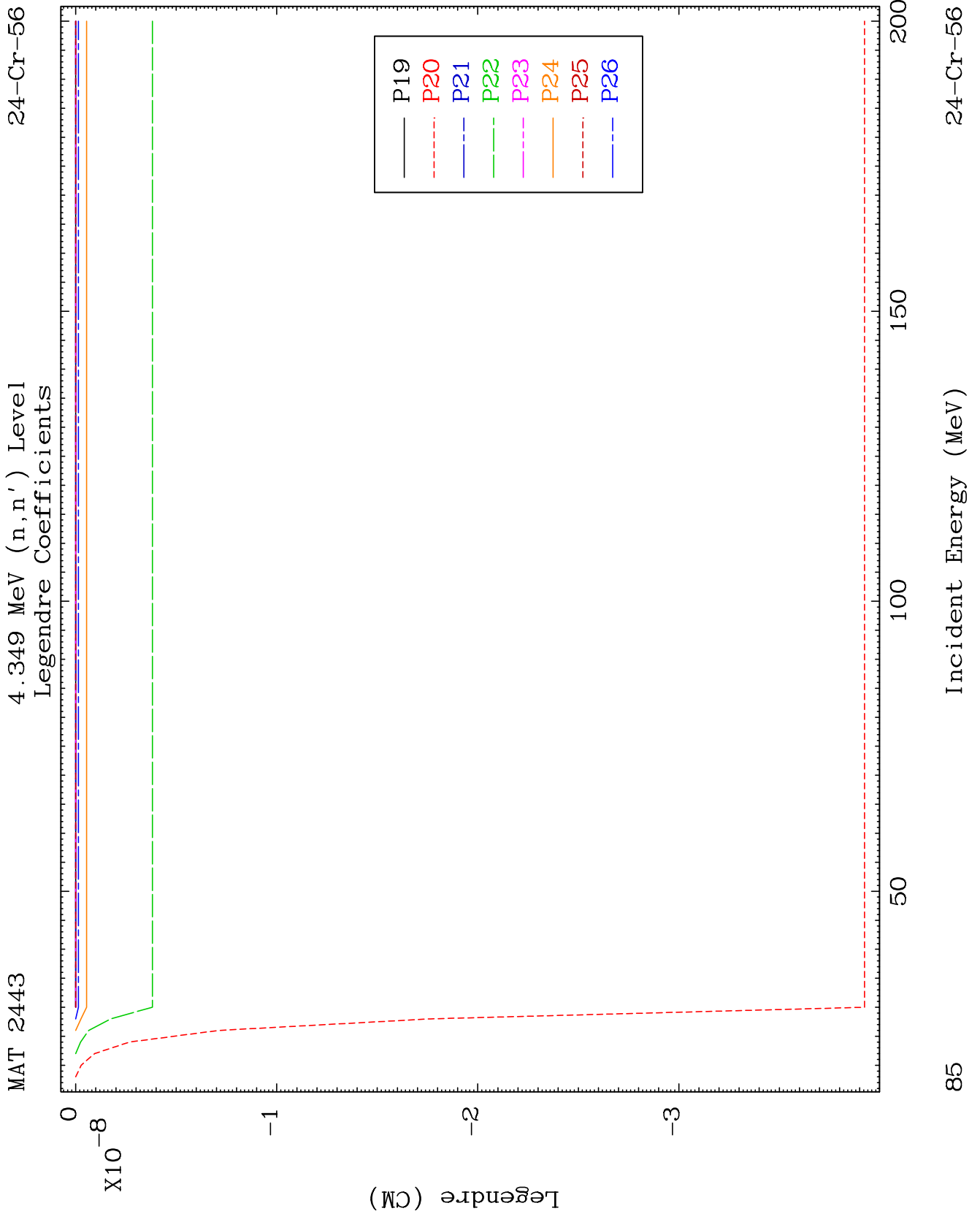
24-Cr-56

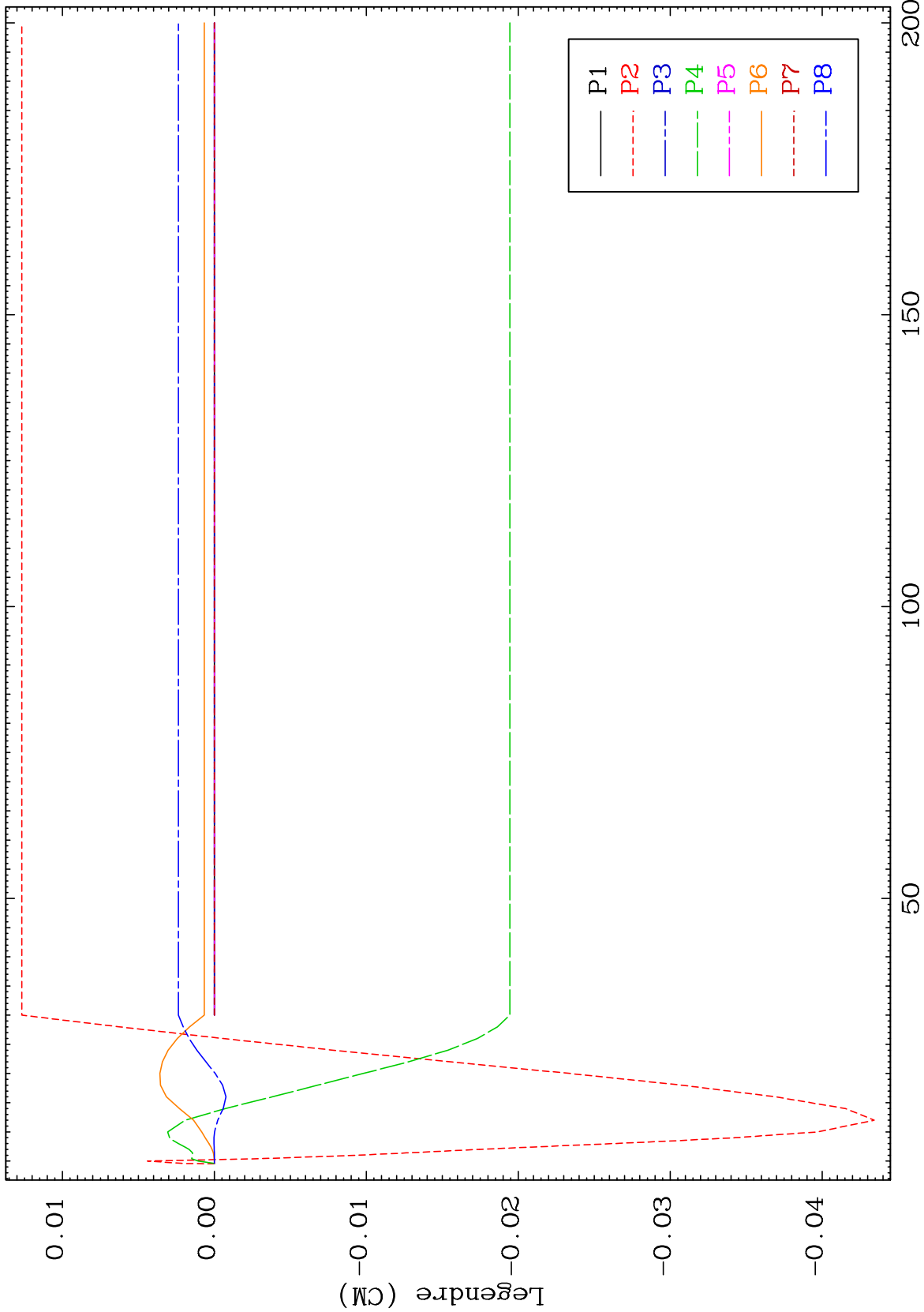


82

Incident Energy (MeV)

24-Cr-56

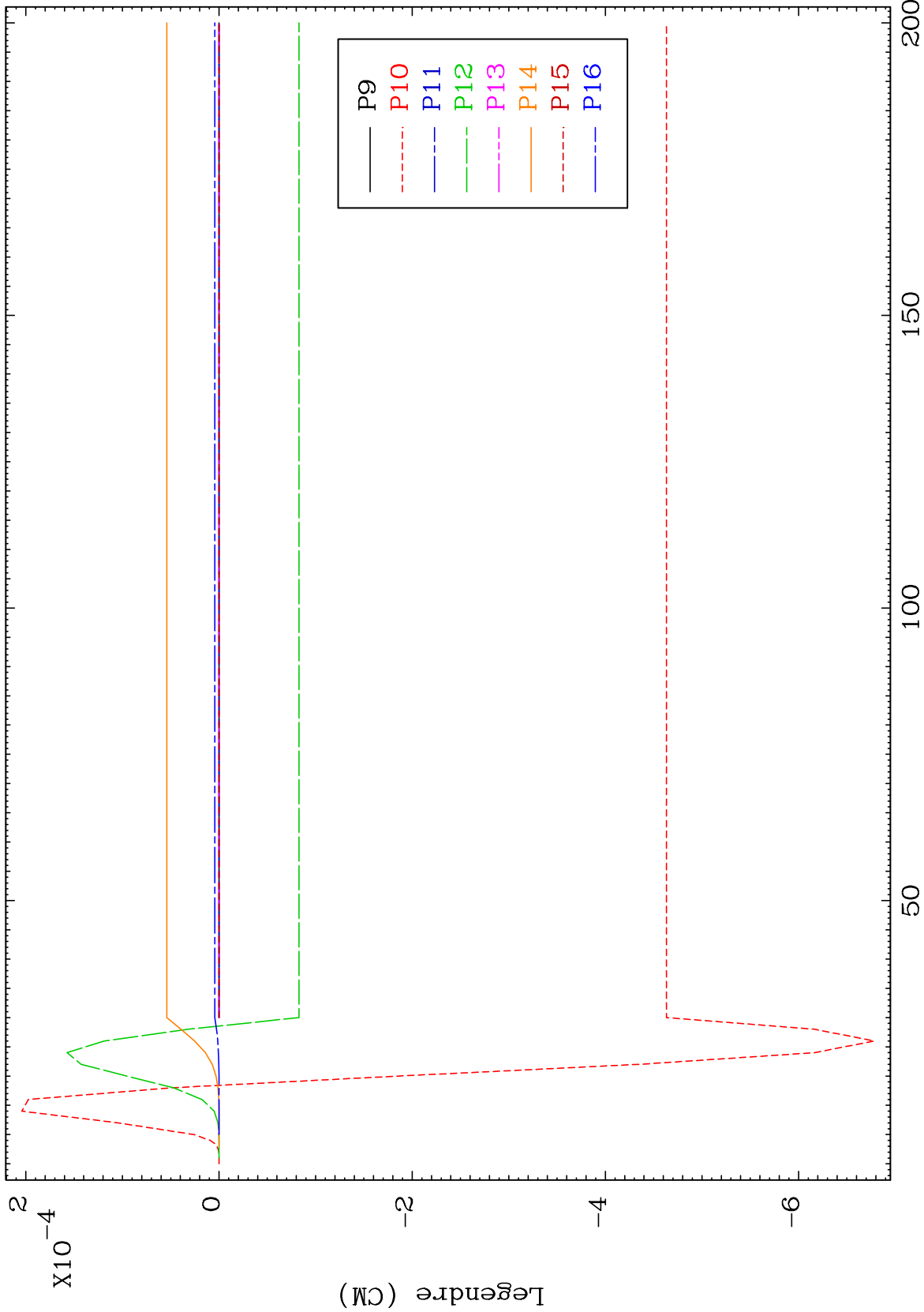




MAT 2443

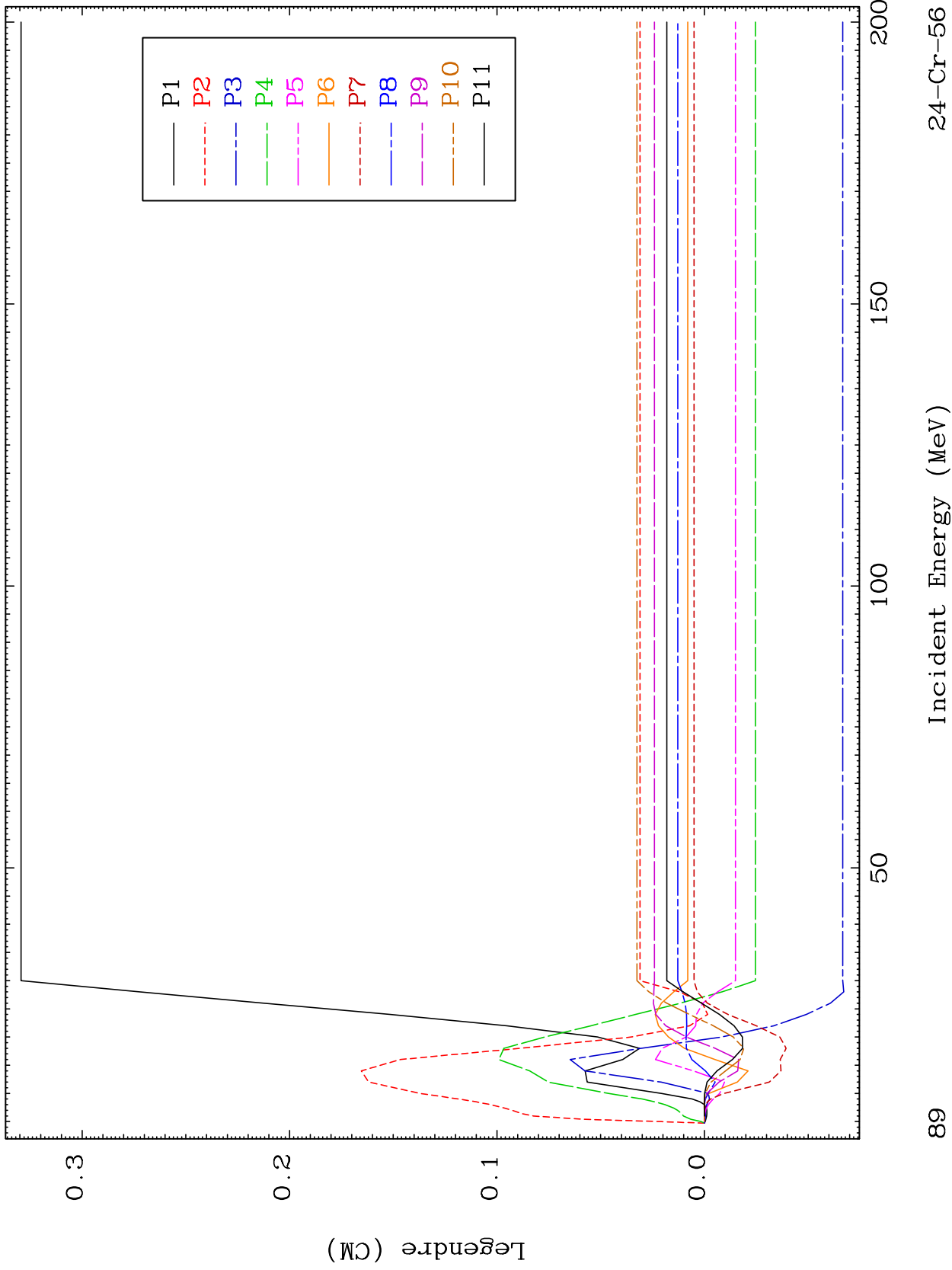
4.449 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



87

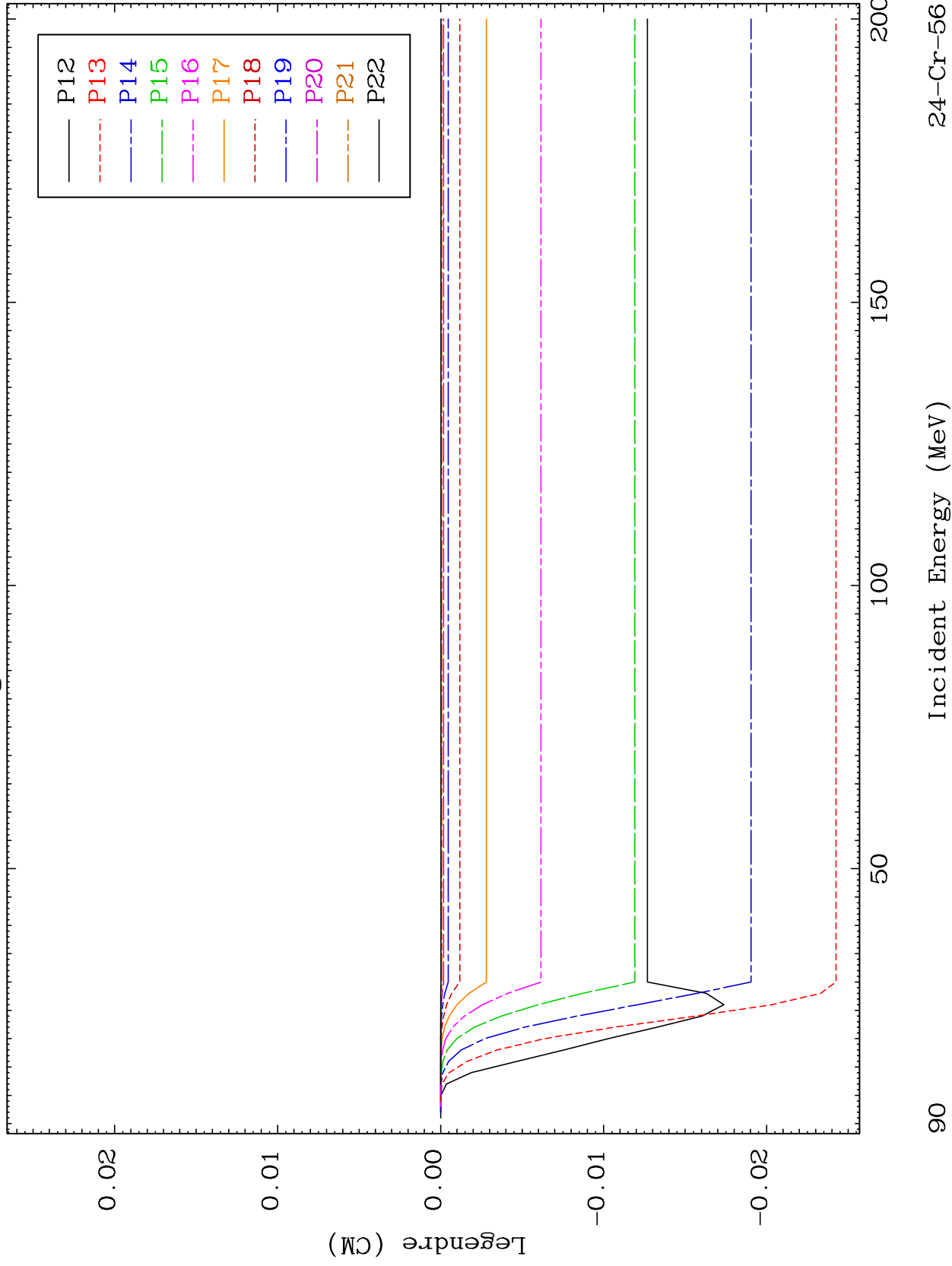
24-Cr-56



MAT 2443

4.631 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



90

Incident Energy (MeV)

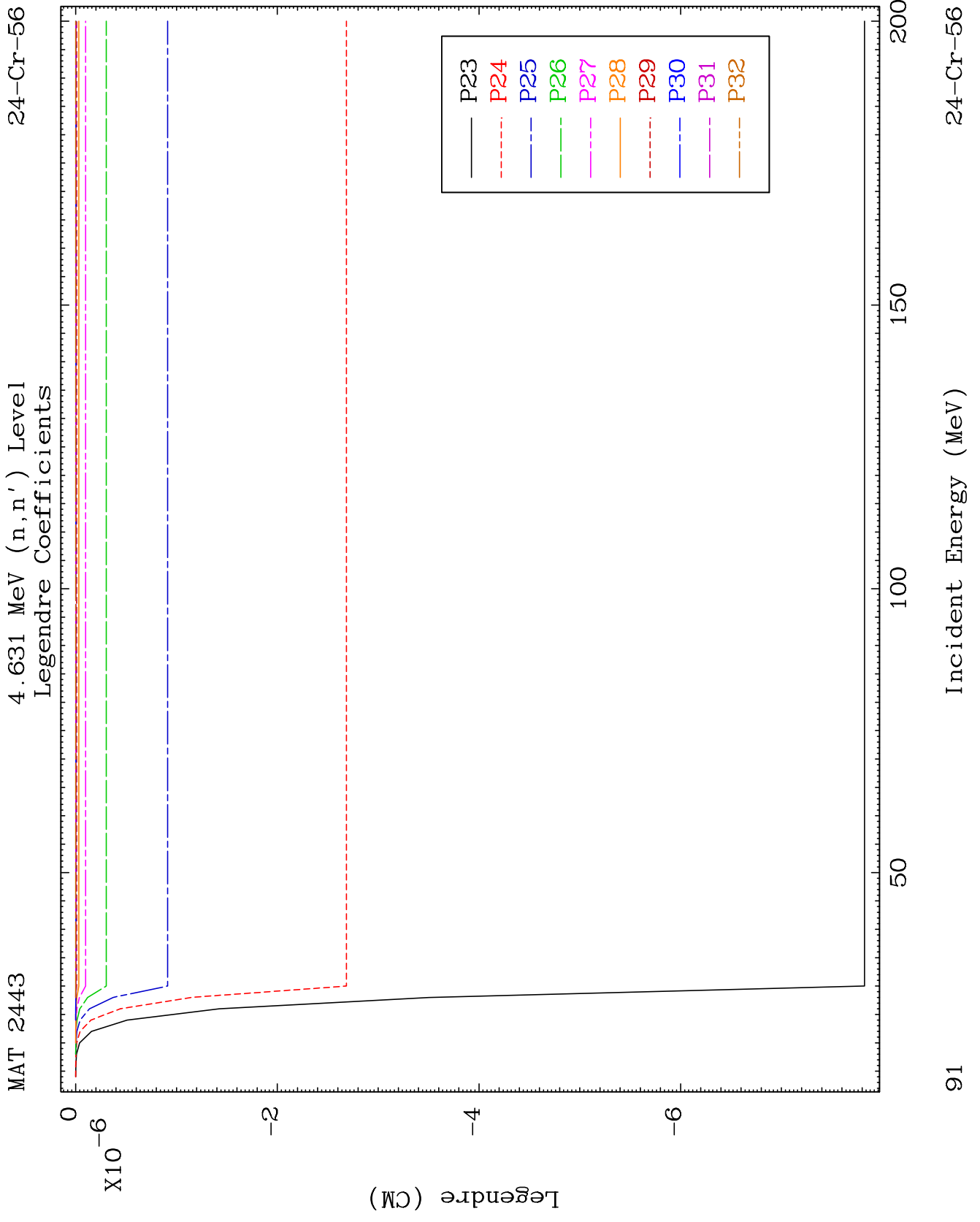
50

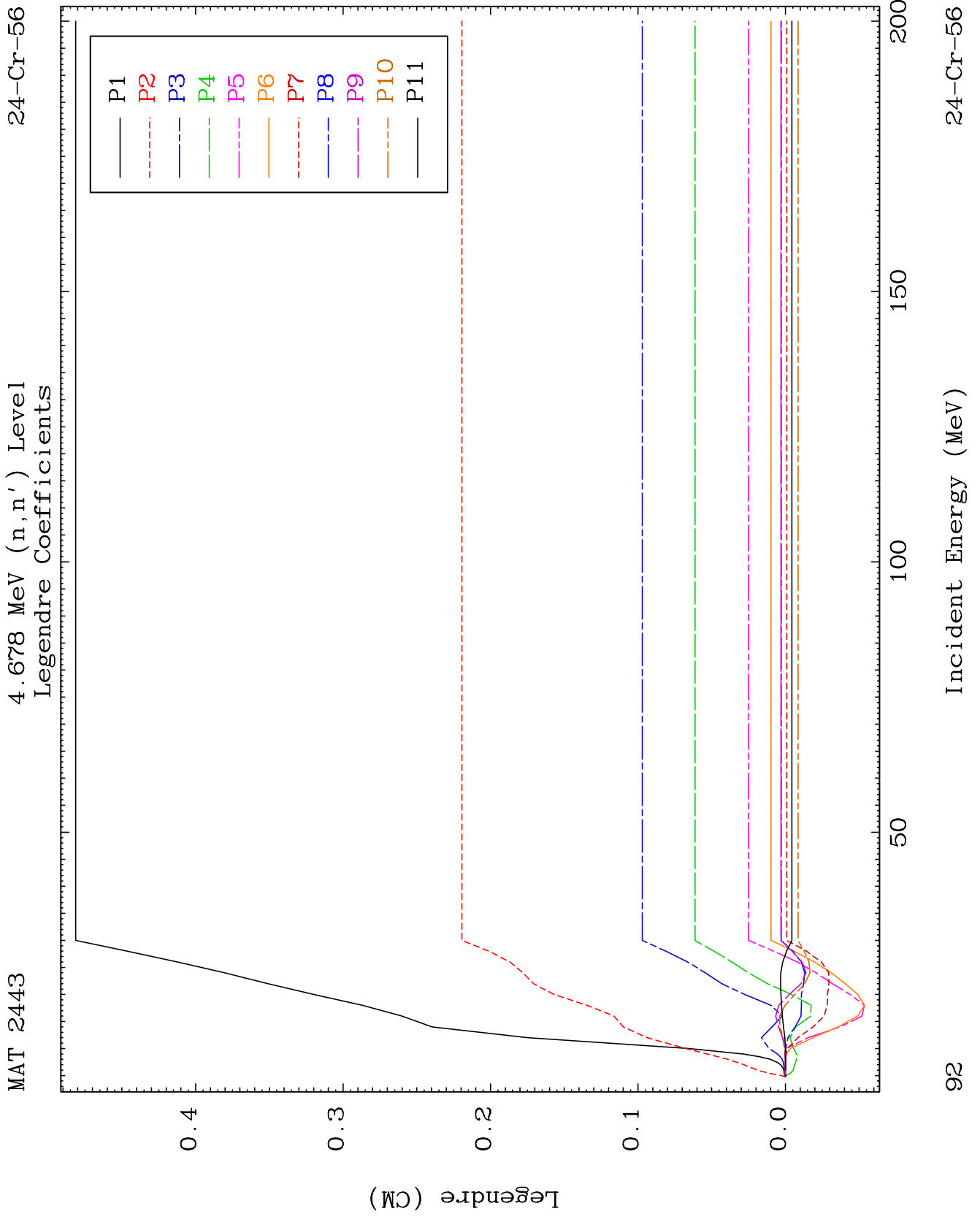
100

150

200

24-Cr-56

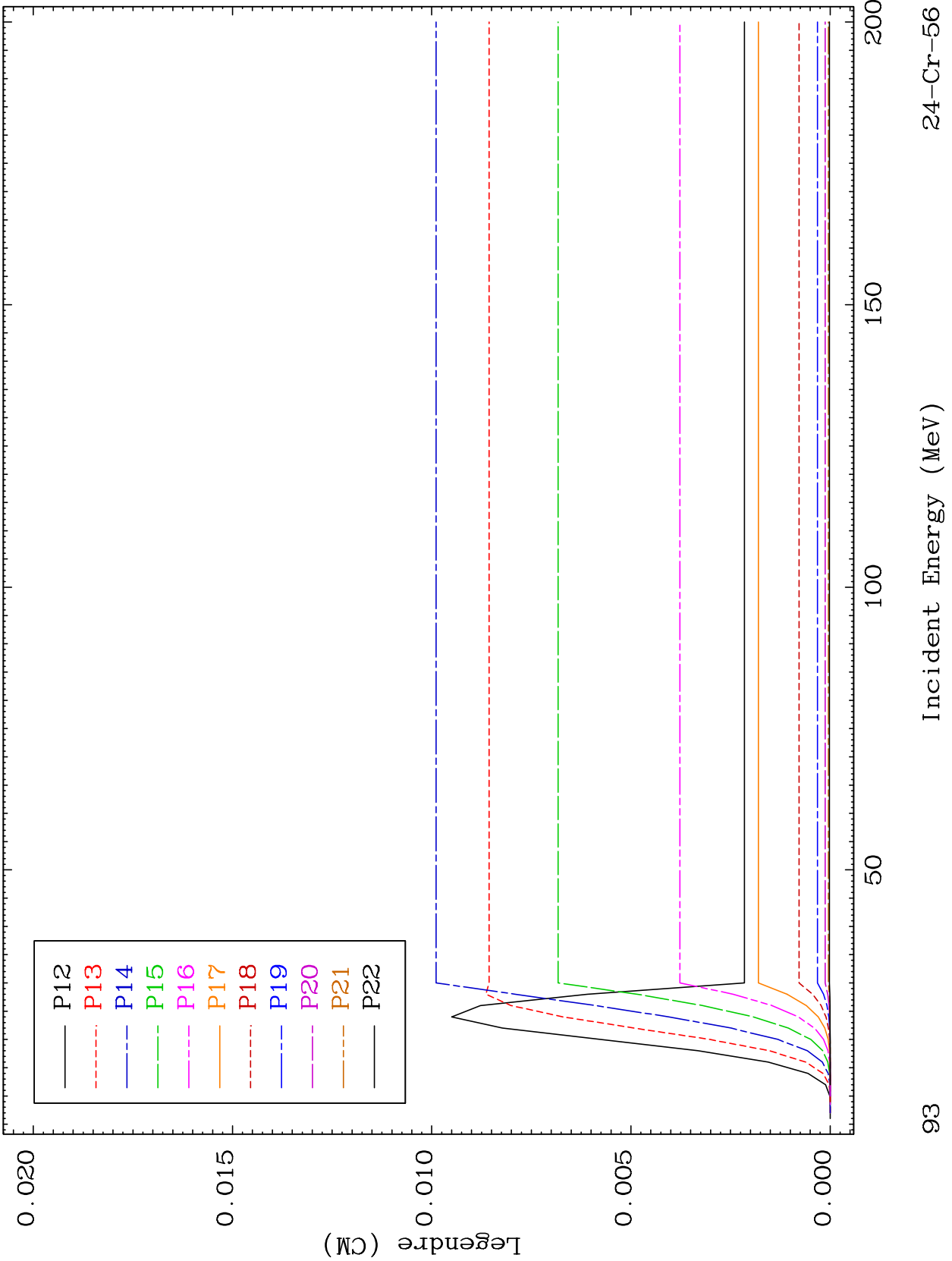




MAT 2443

4.678 MeV (n, n') Level
Legendre Coefficients

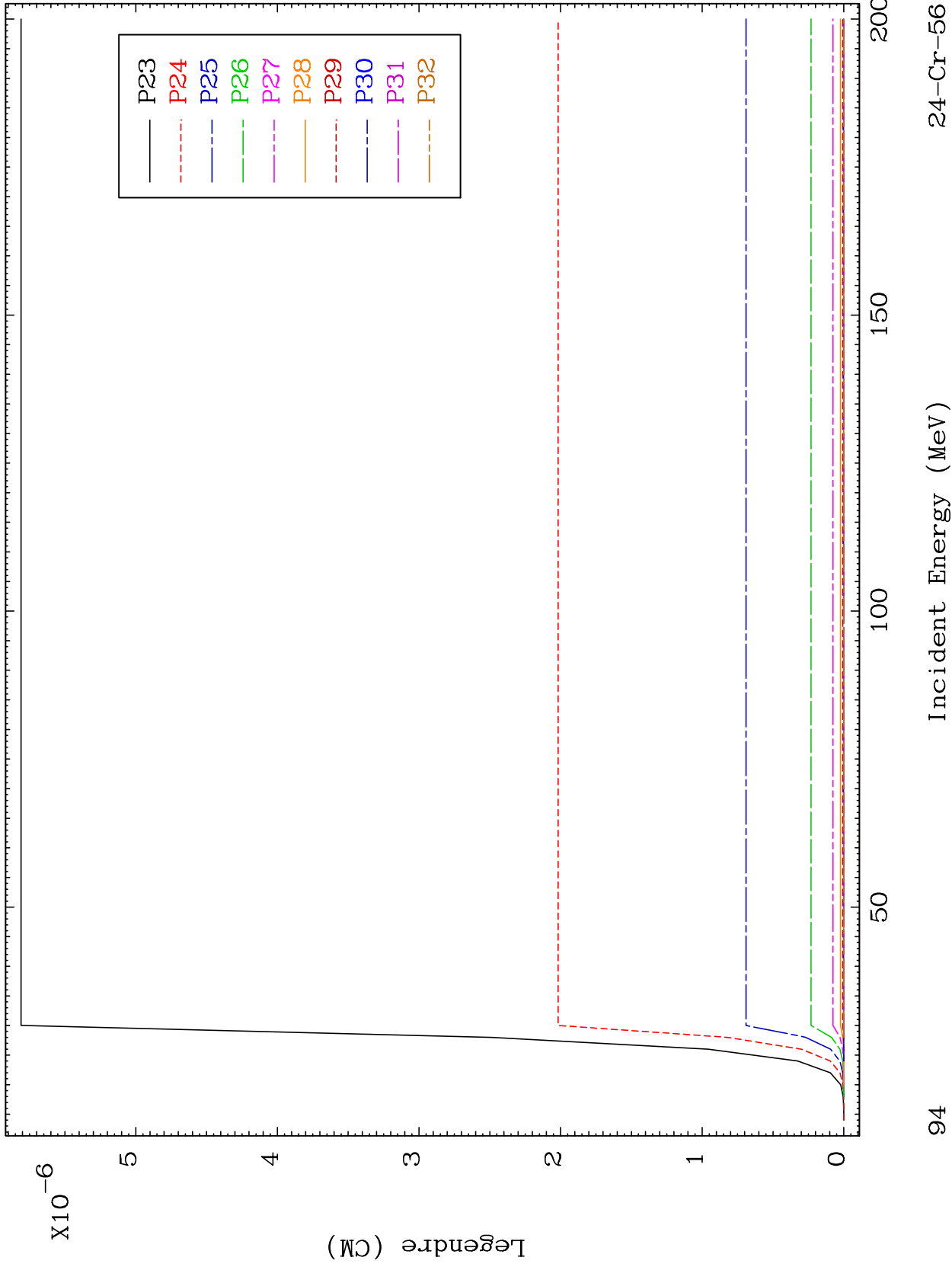
24-Cr-56



MAT 2443

4.678 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



94

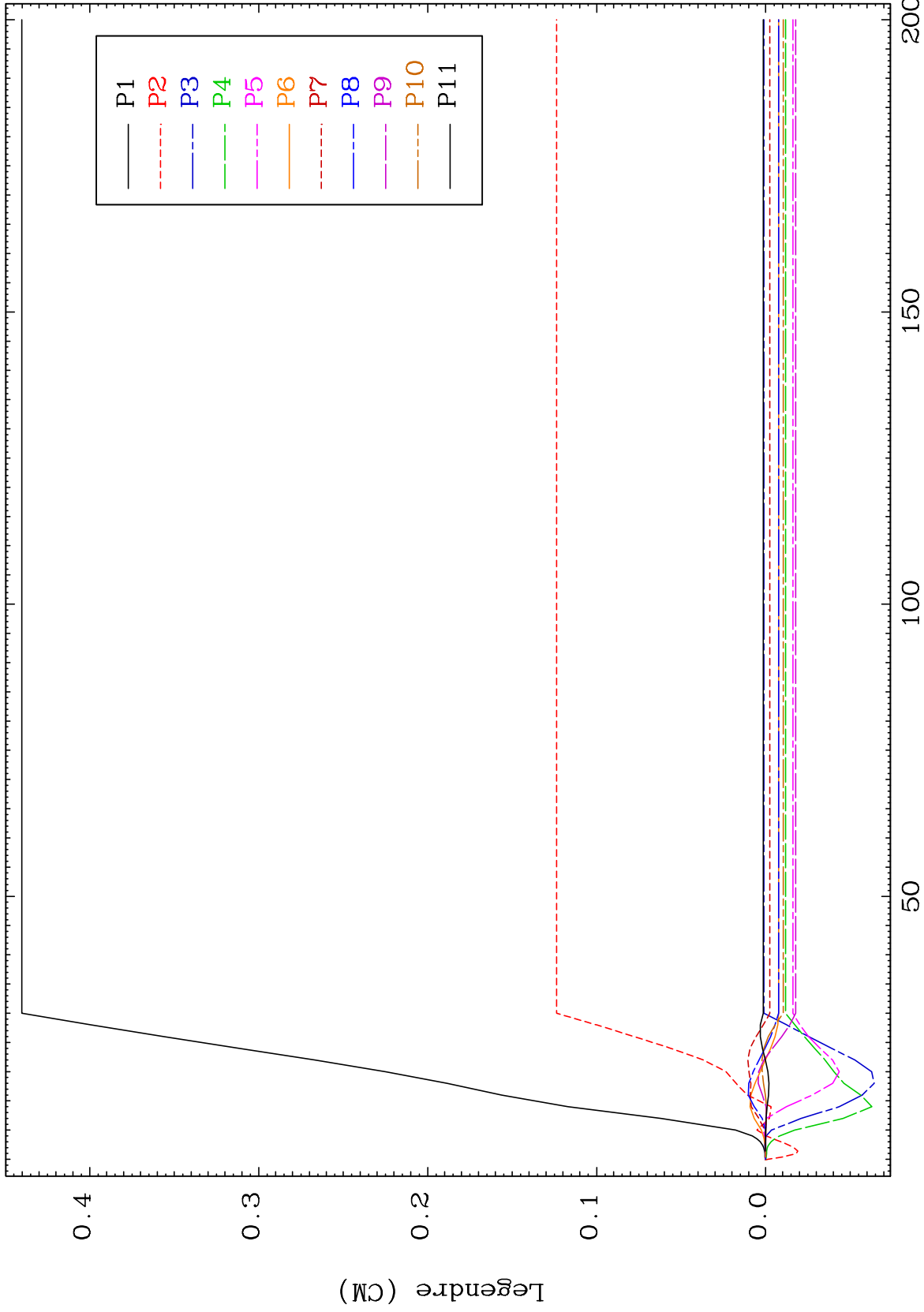
Incident Energy (MeV)

24-Cr-56

MAT 2443

4.800 MeV (n,n') Level
Legendre Coefficients

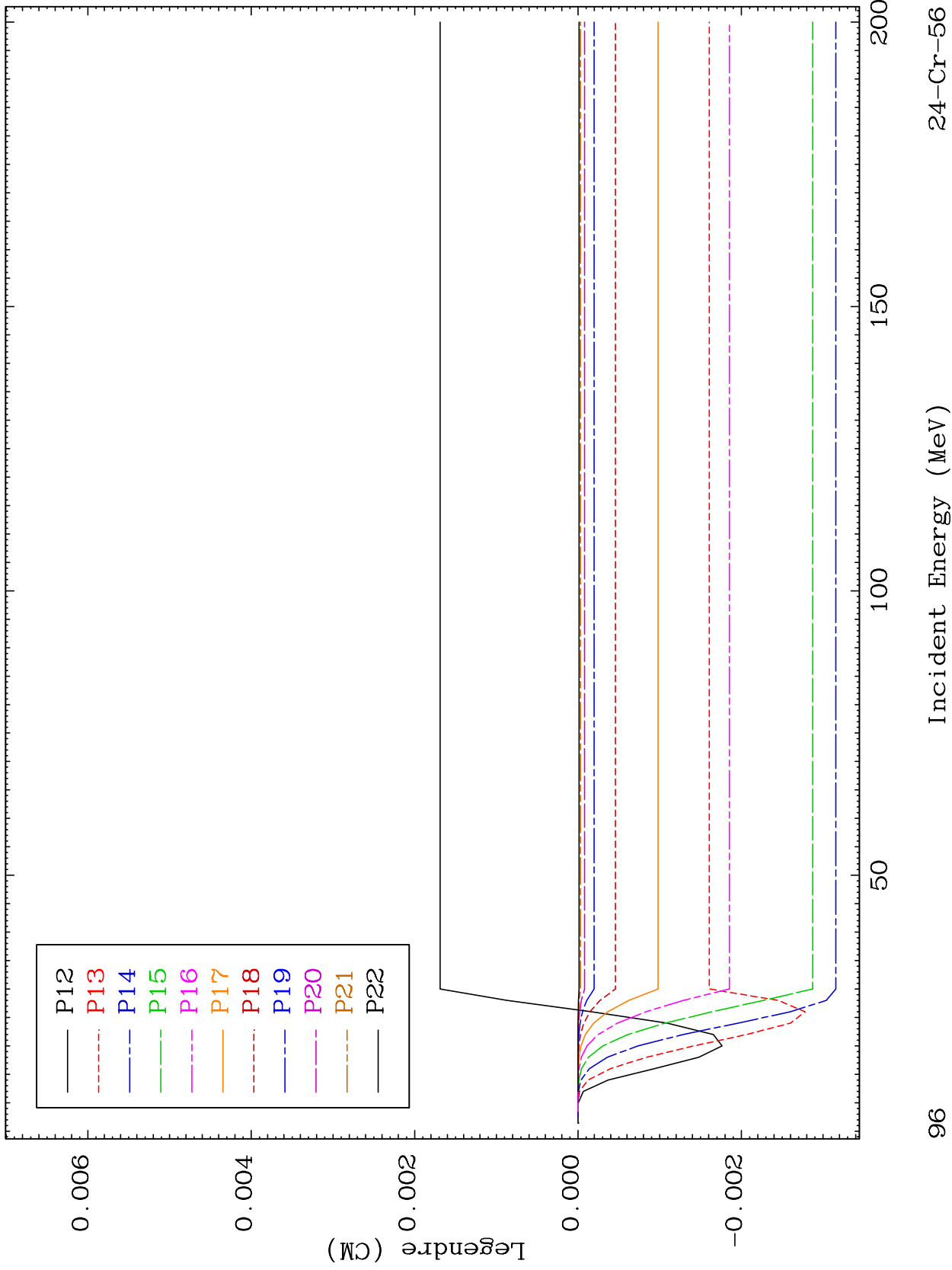
24-Cr-56

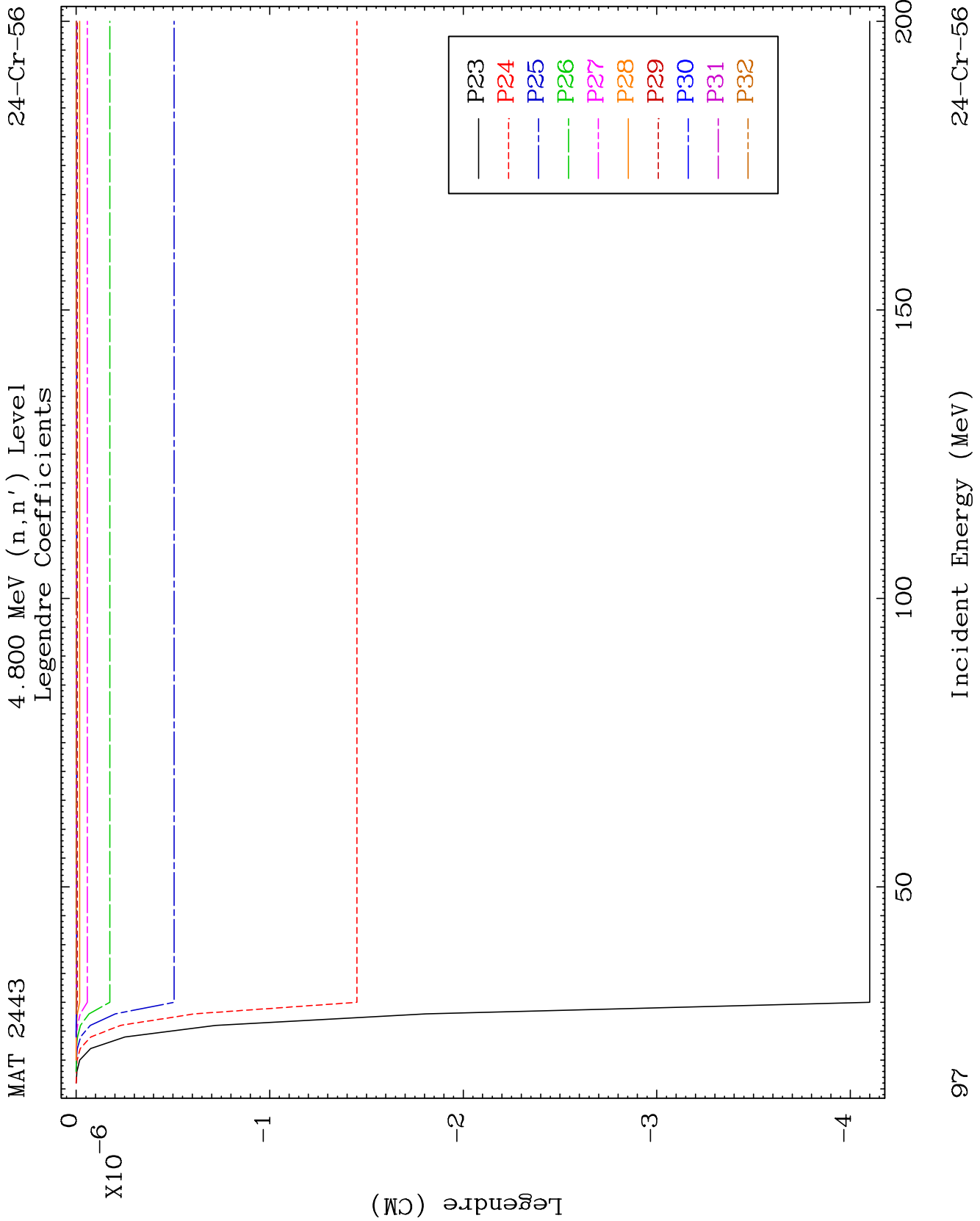


95

Incident Energy (MeV)

24-Cr-56

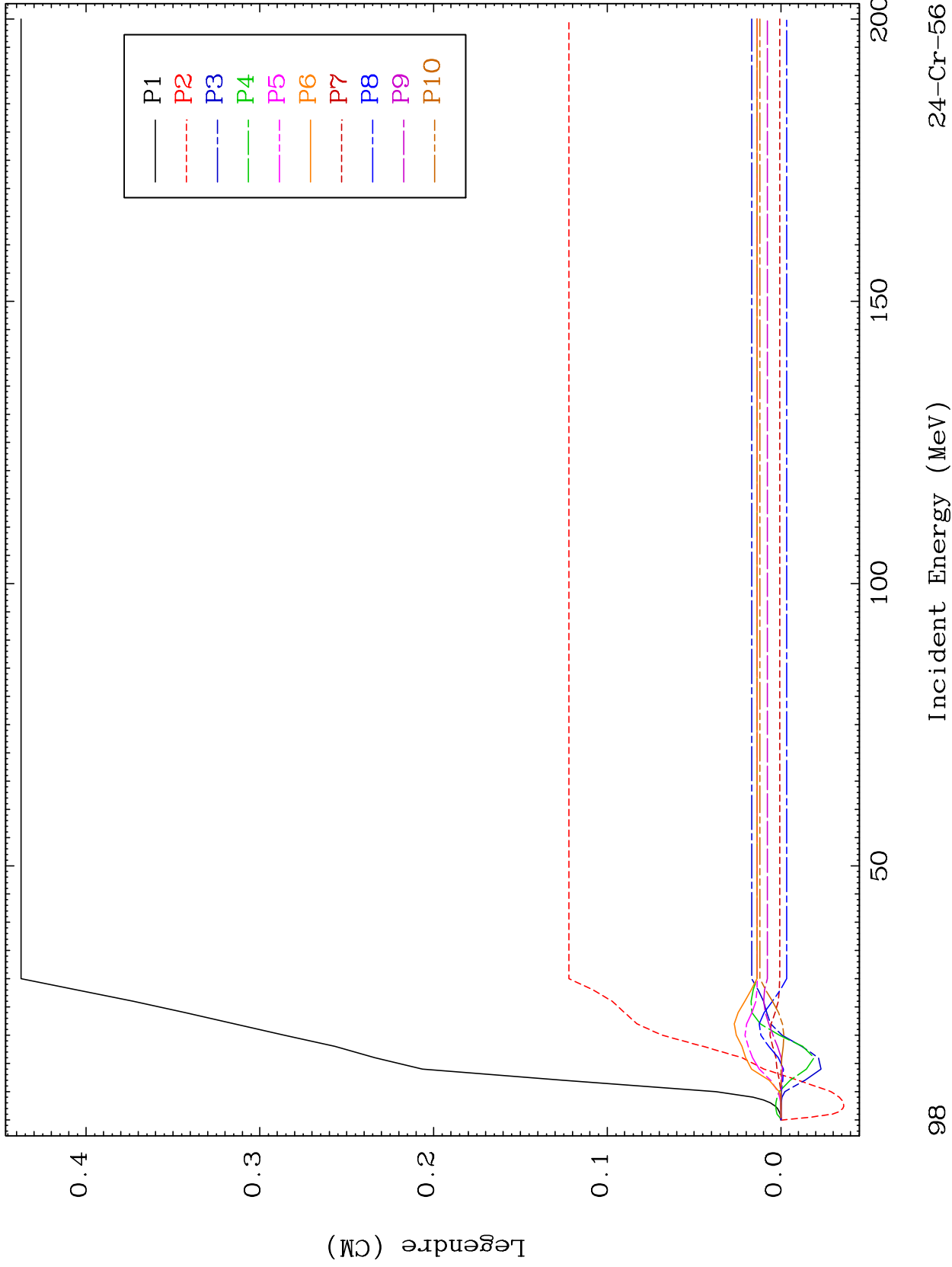




MAT 2443

4.848 MeV (n,n') Level
Legendre Coefficients

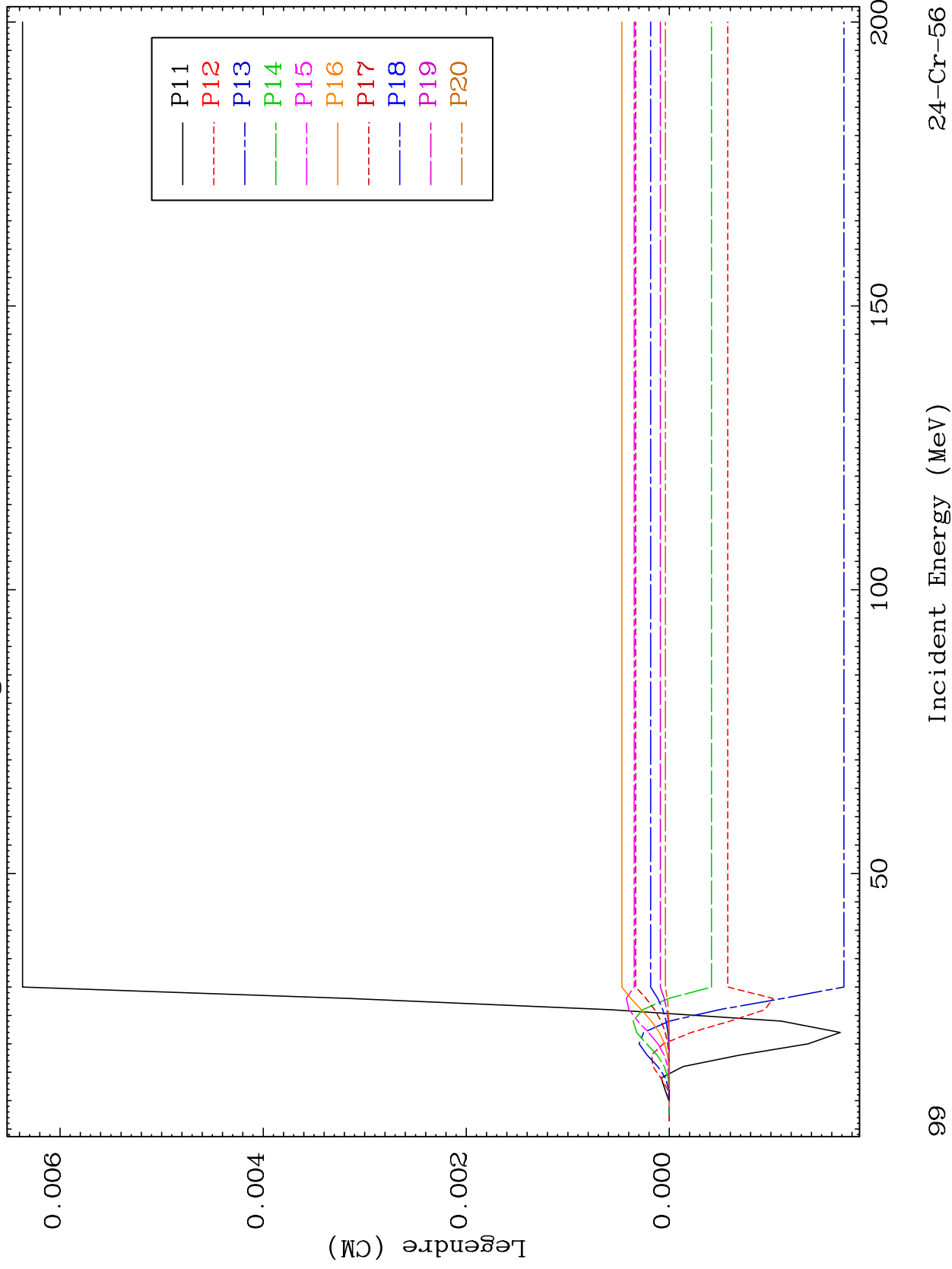
24-Cr-56



MAT 2443

4.848 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



99

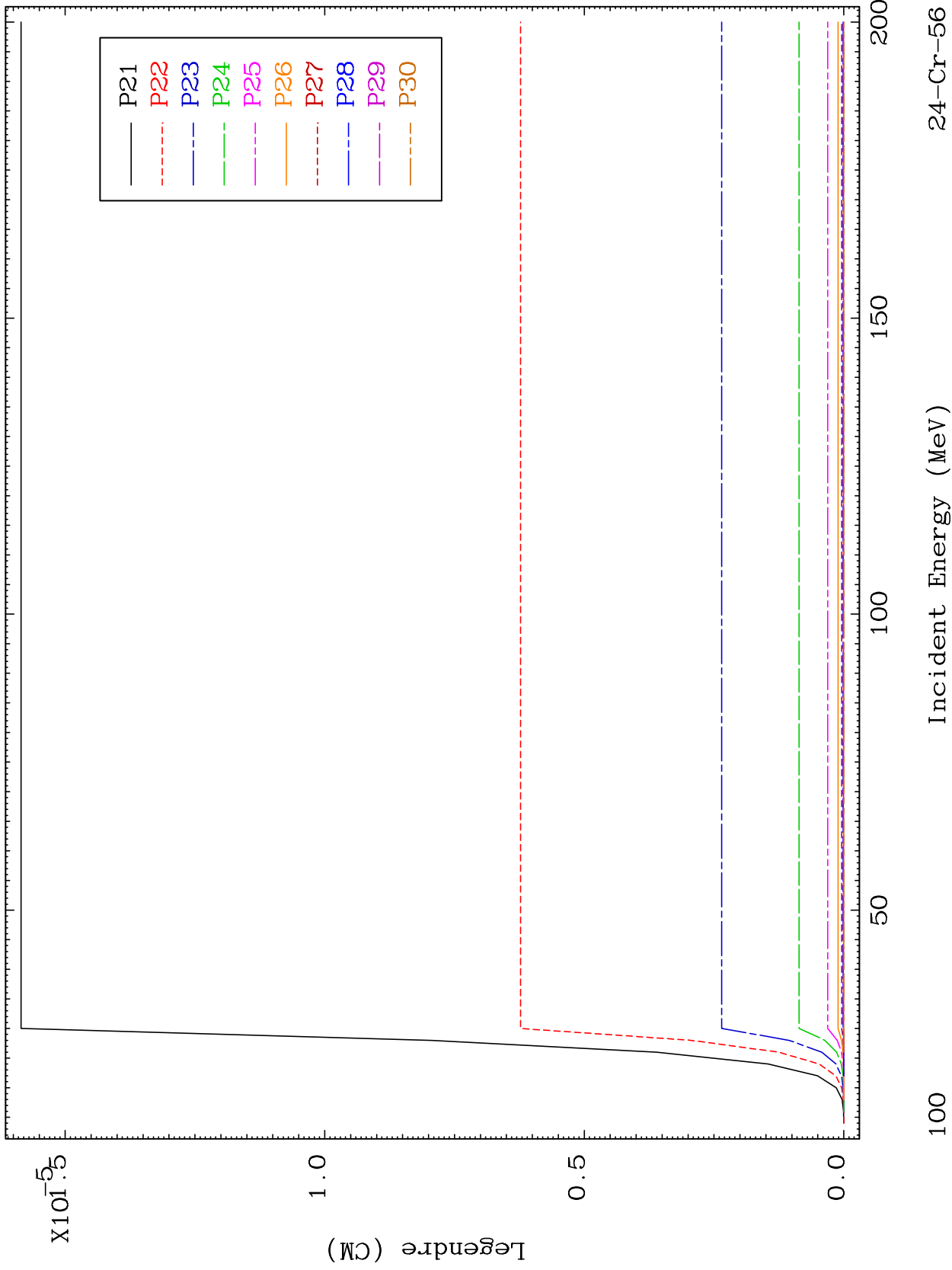
Incident Energy (MeV)

24-Cr-56

MAT 2443

4.848 MeV (n,n') Level
Legendre Coefficients

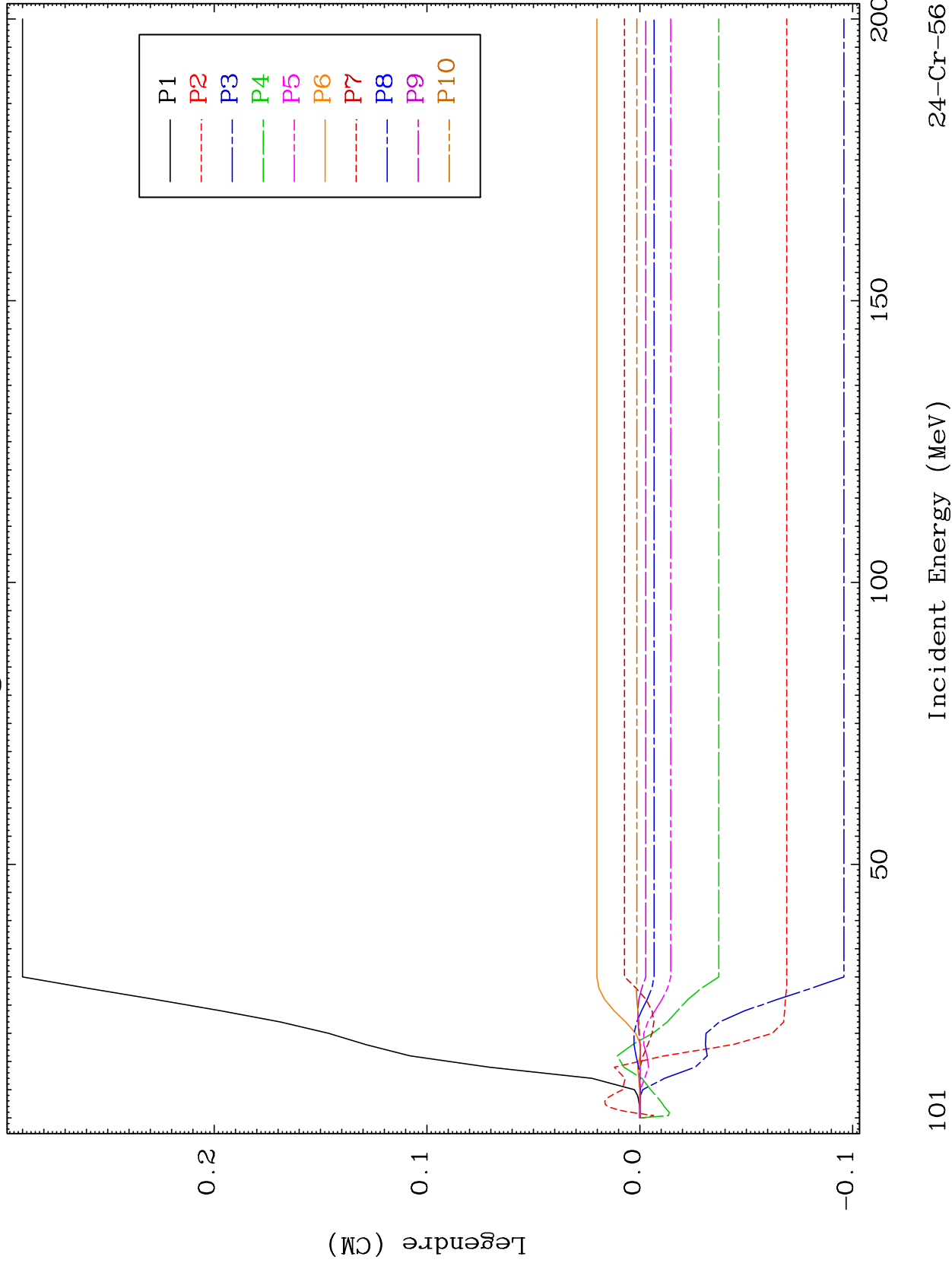
24-Cr-56



MAT 2443

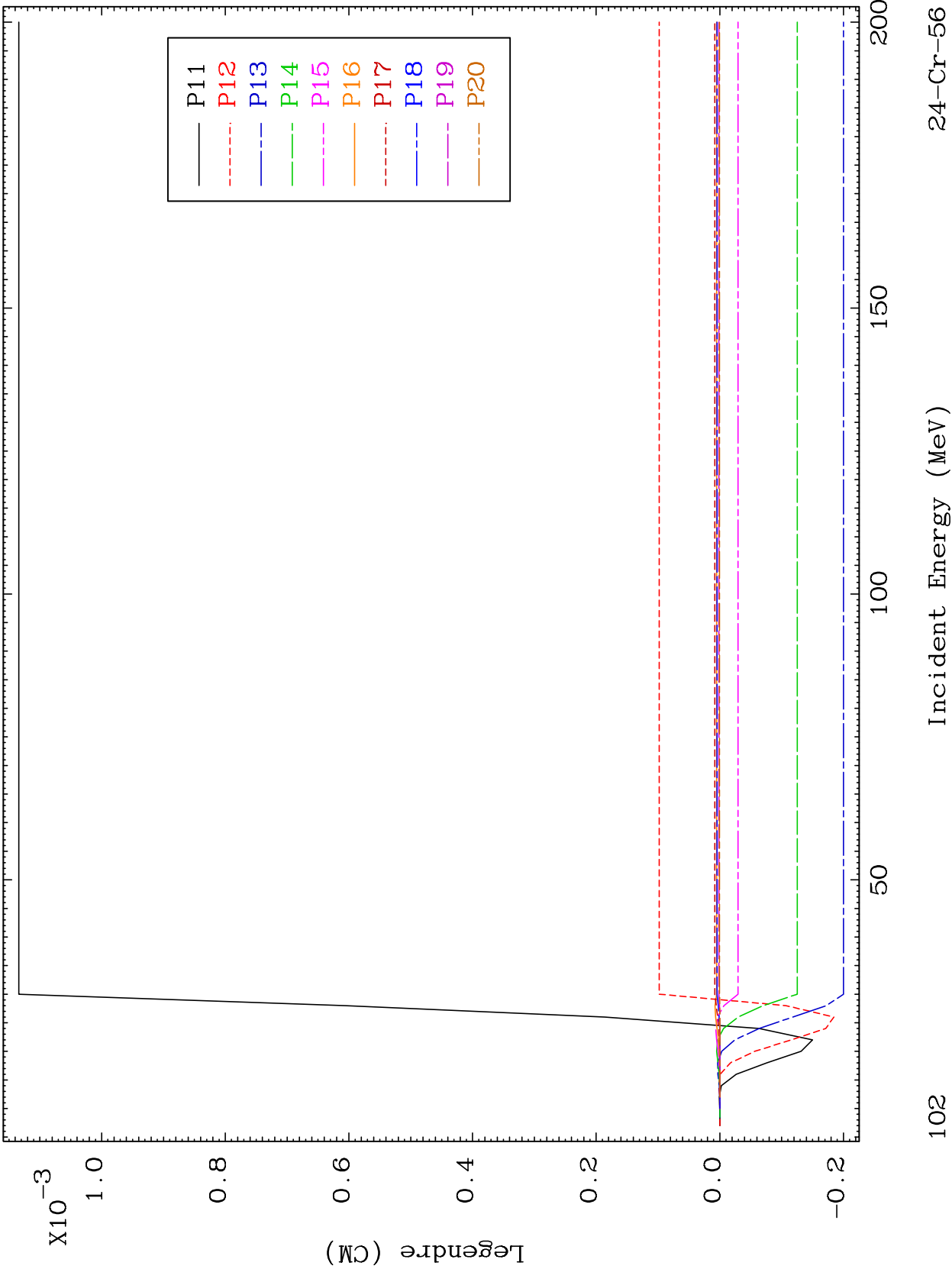
4.892 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



101

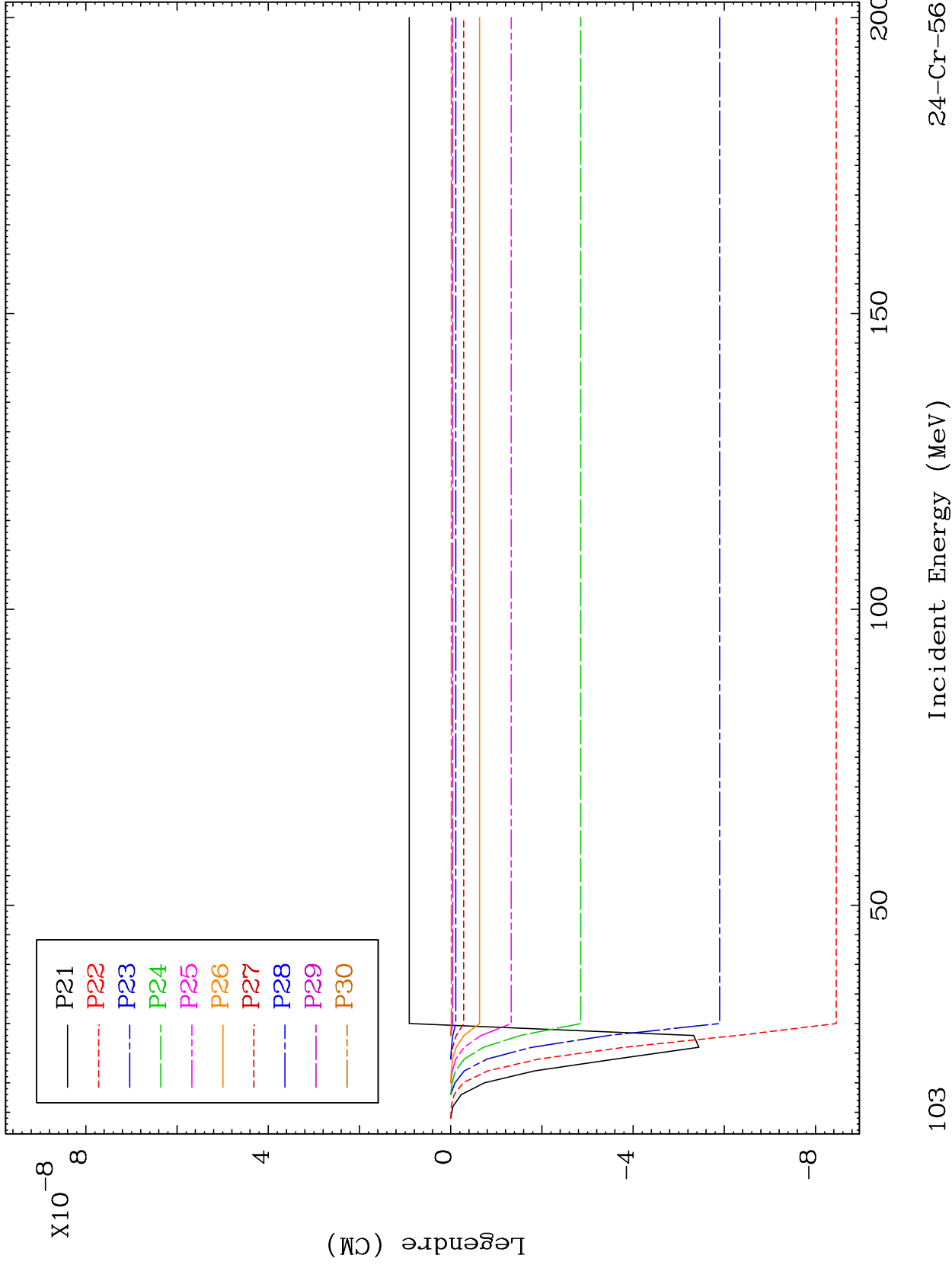
24-Cr-56

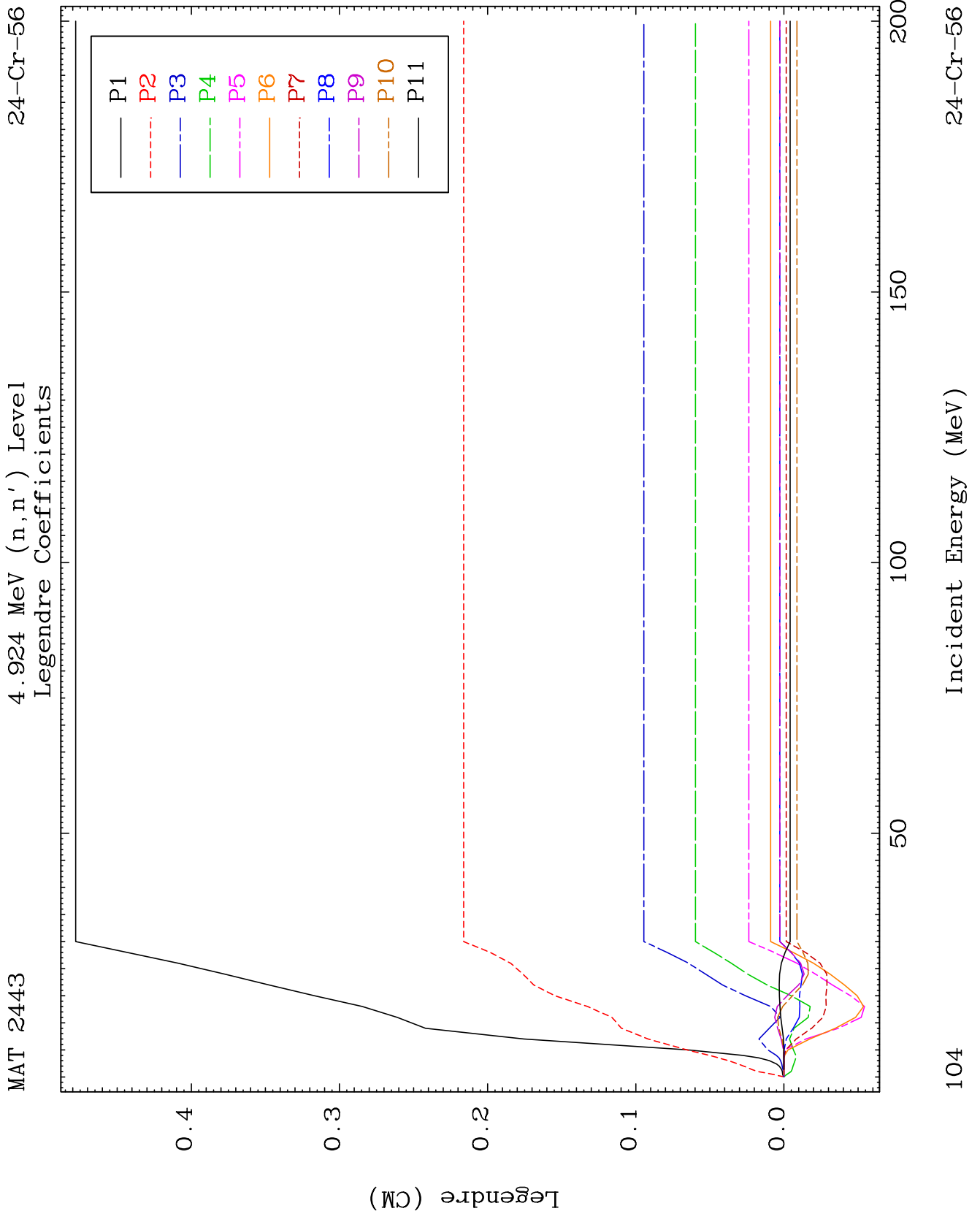


MAT 2443

4.892 MeV (n,n') Level
Legendre Coefficients

24-Cr-56

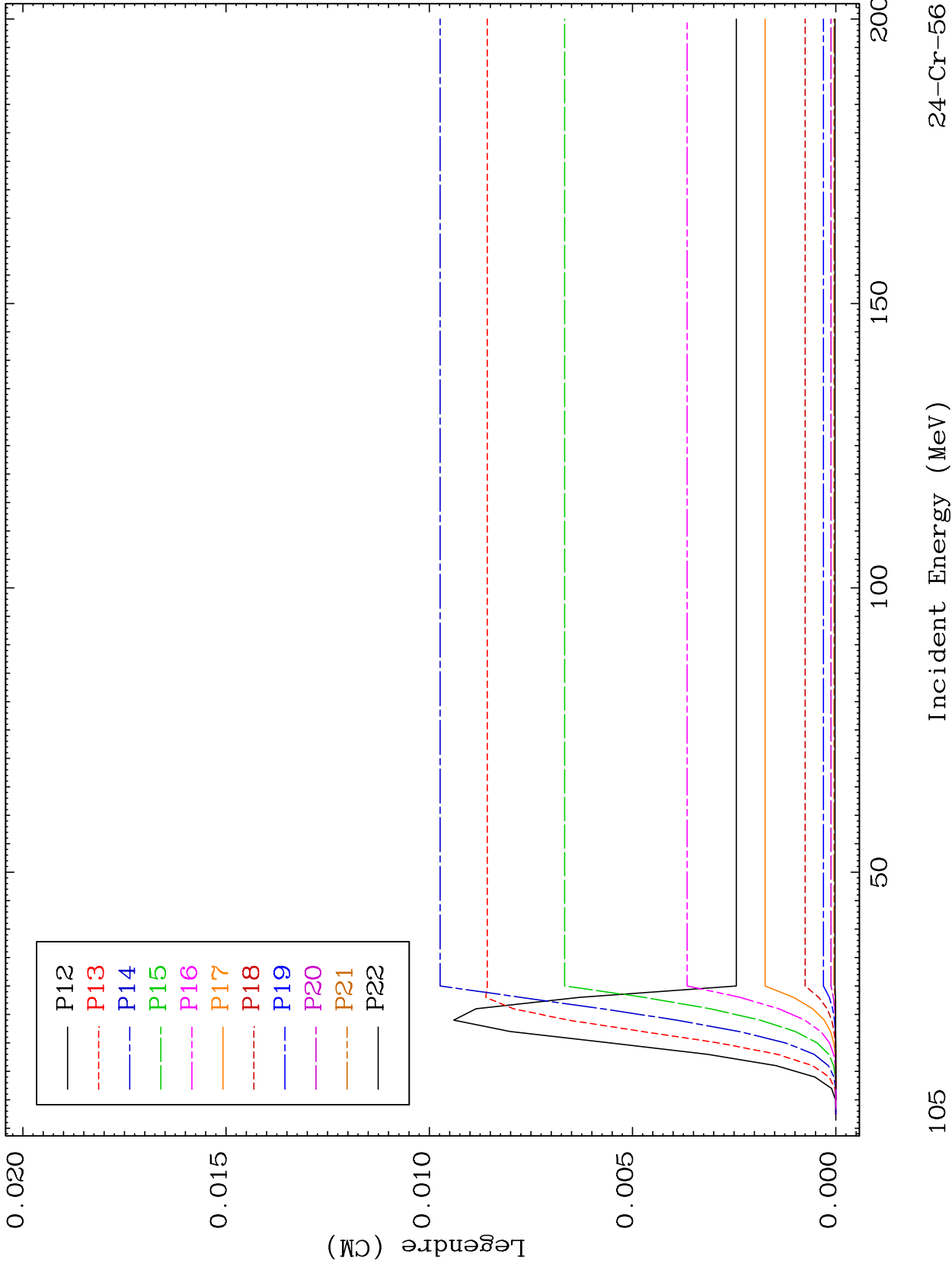




MAT 2443

4.924 MeV (n,n') Level
Legendre Coefficients

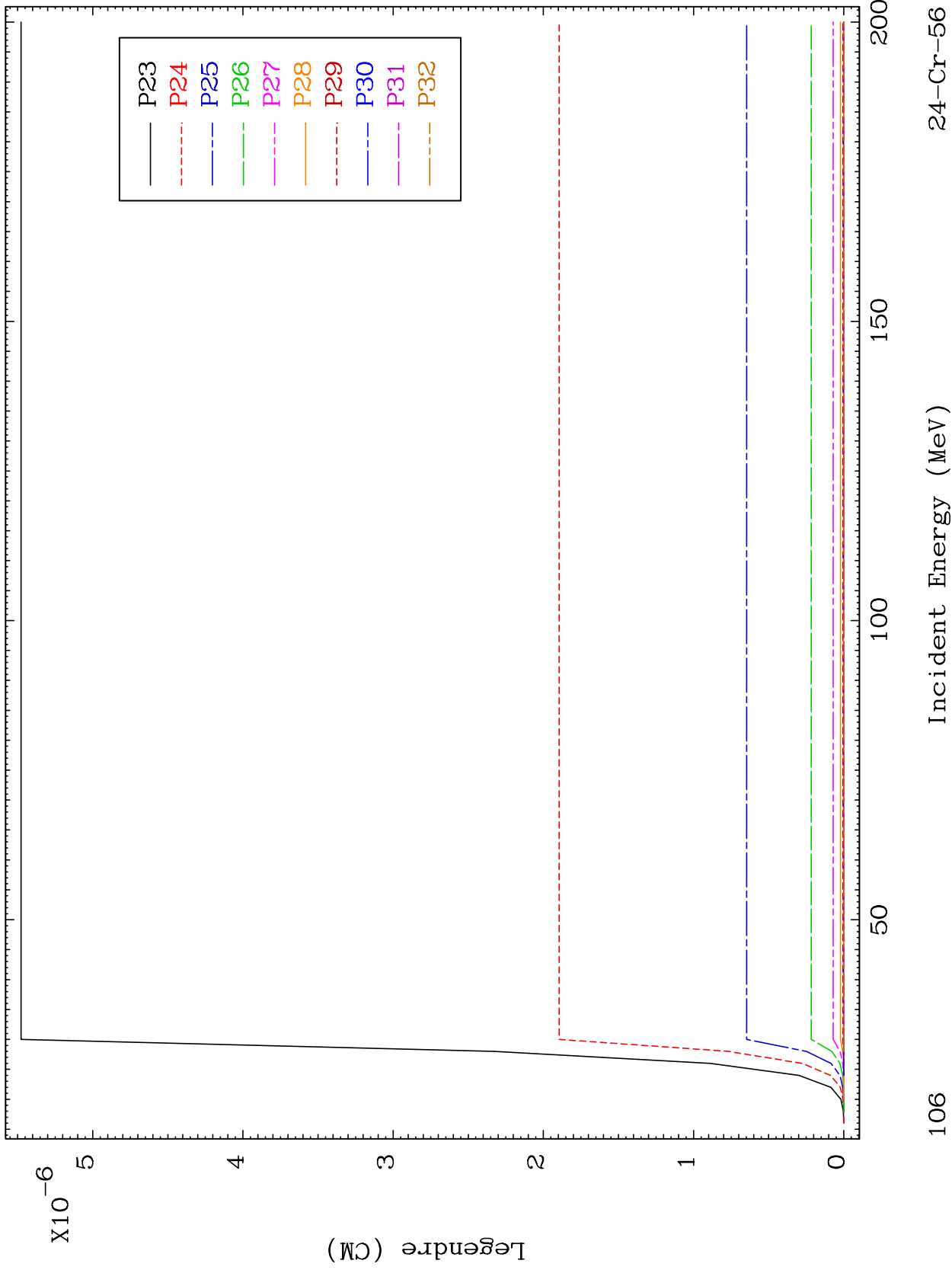
24-Cr-56



MAT 2443

4.924 MeV (n,n') Level
Legendre Coefficients

24-Cr-56



106

Incident Energy (MeV)

24-Cr-56