

Program EVALPLOT  
(Version 2015-2)

by

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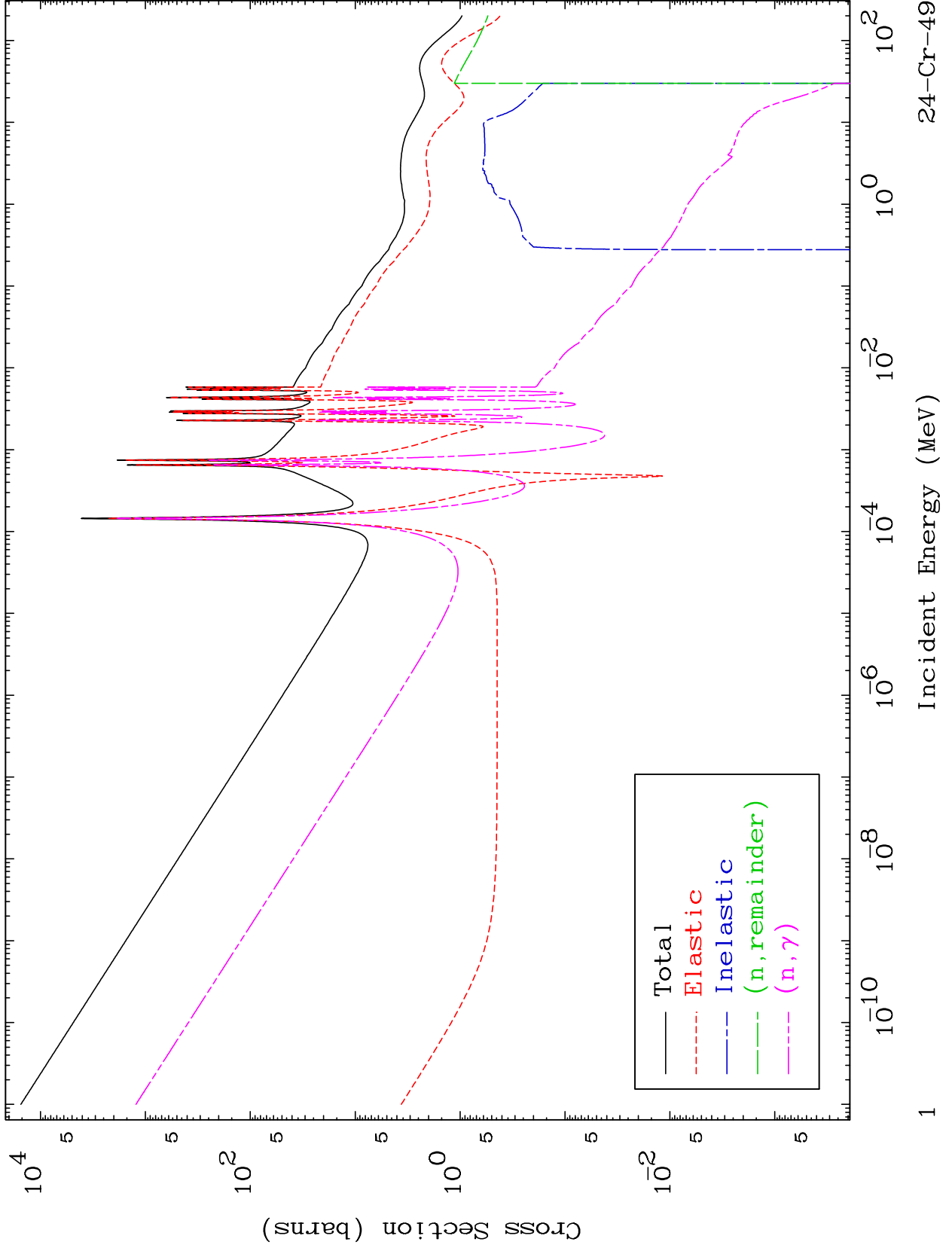
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2422

Major  
293 Kelvin Cross Sections

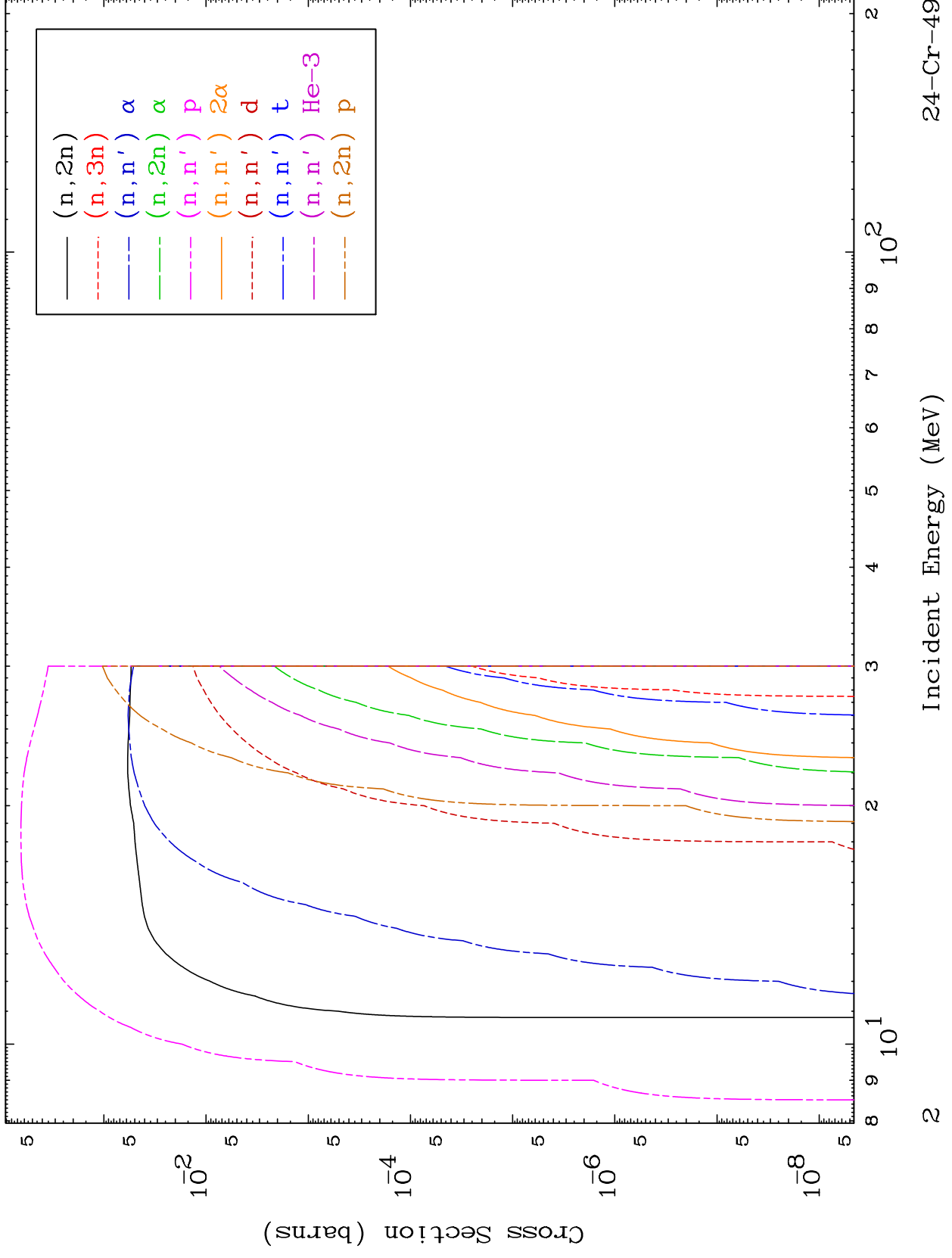
24-Cr-49



MAT 2422

Neutron Production  
293 Kelvin Cross Sections

24-Cr-49

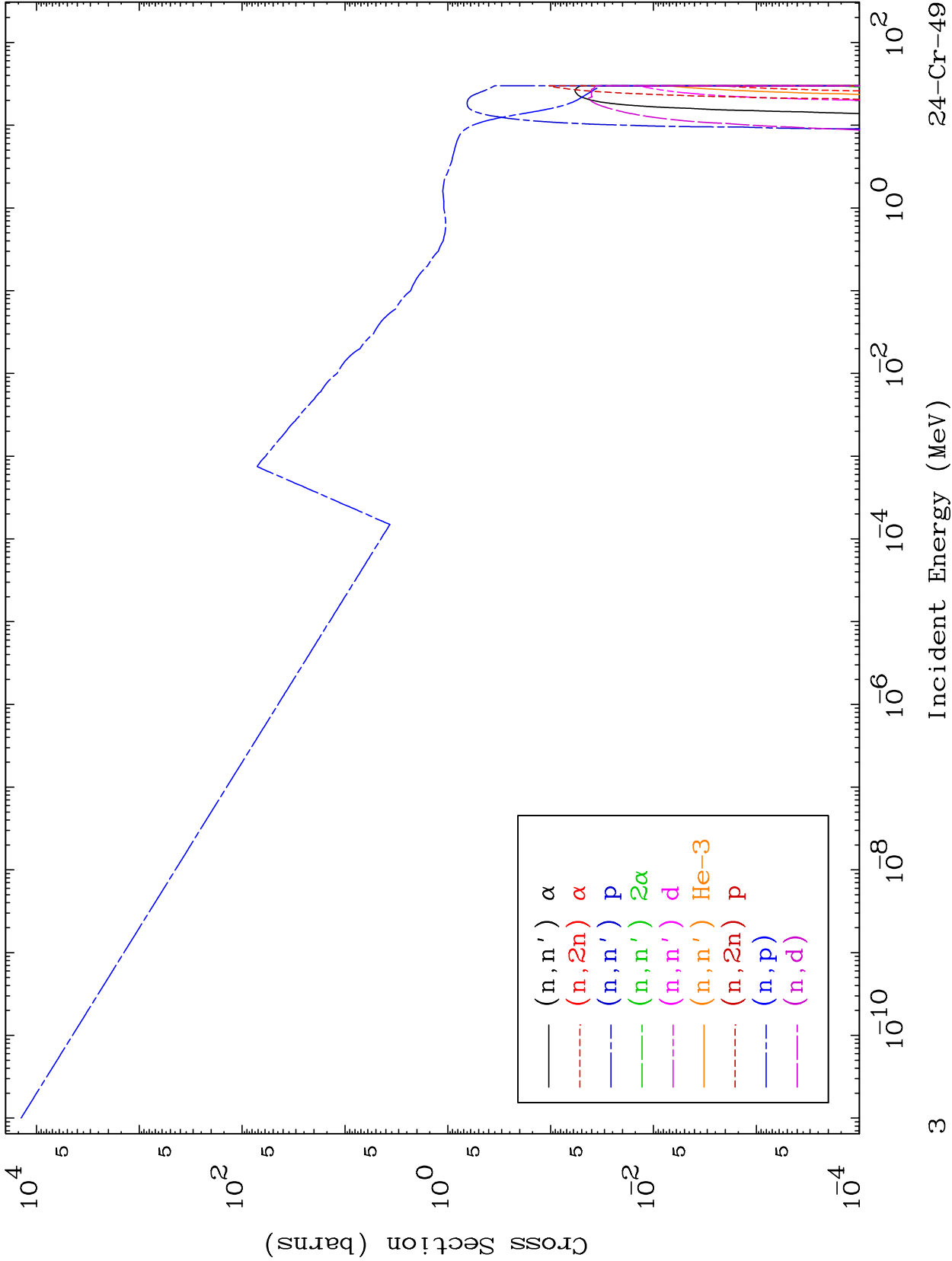


24-Cr-49

MAT 2422

Charged Particle  
293 Kelvin Cross Sections

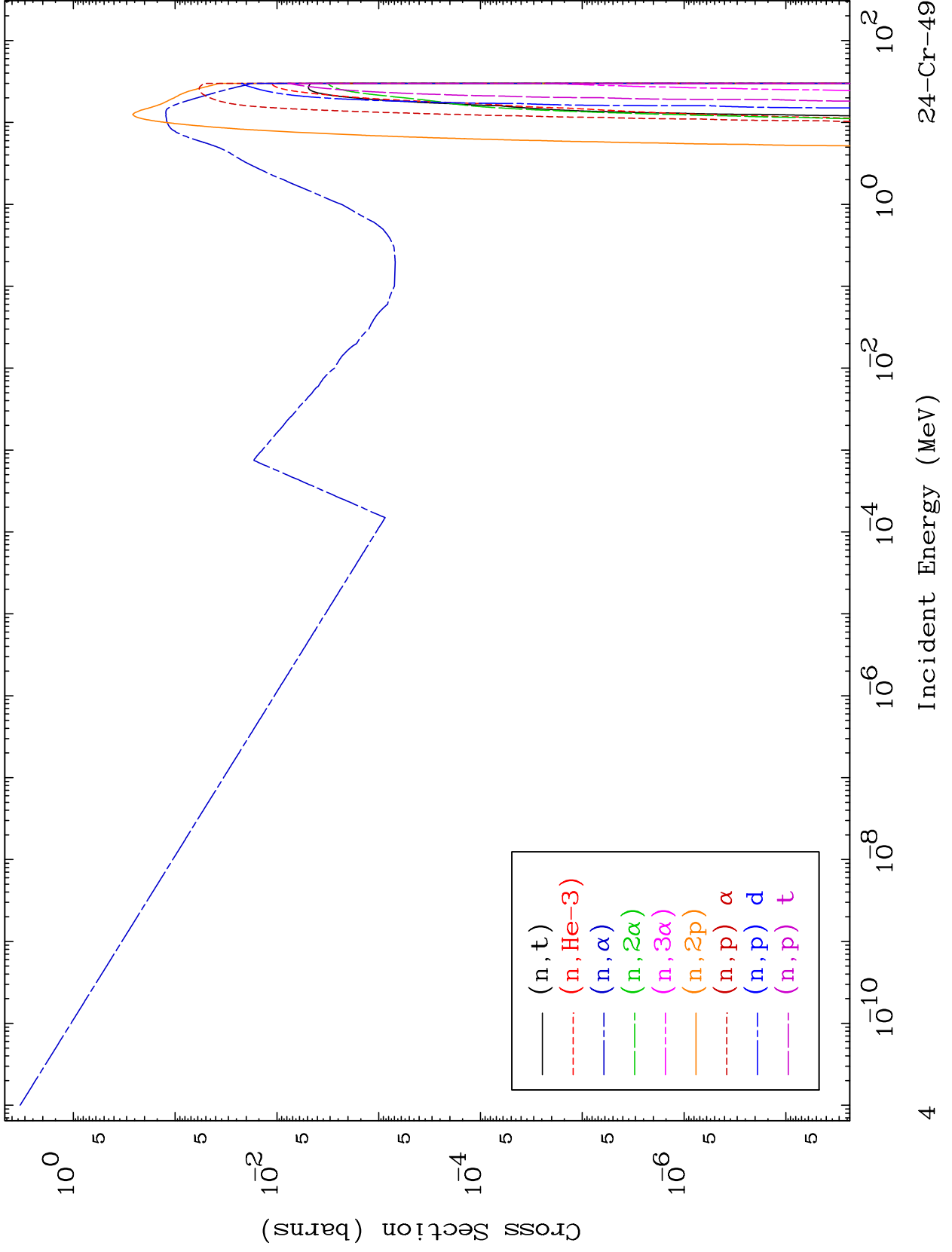
24-Cr-49

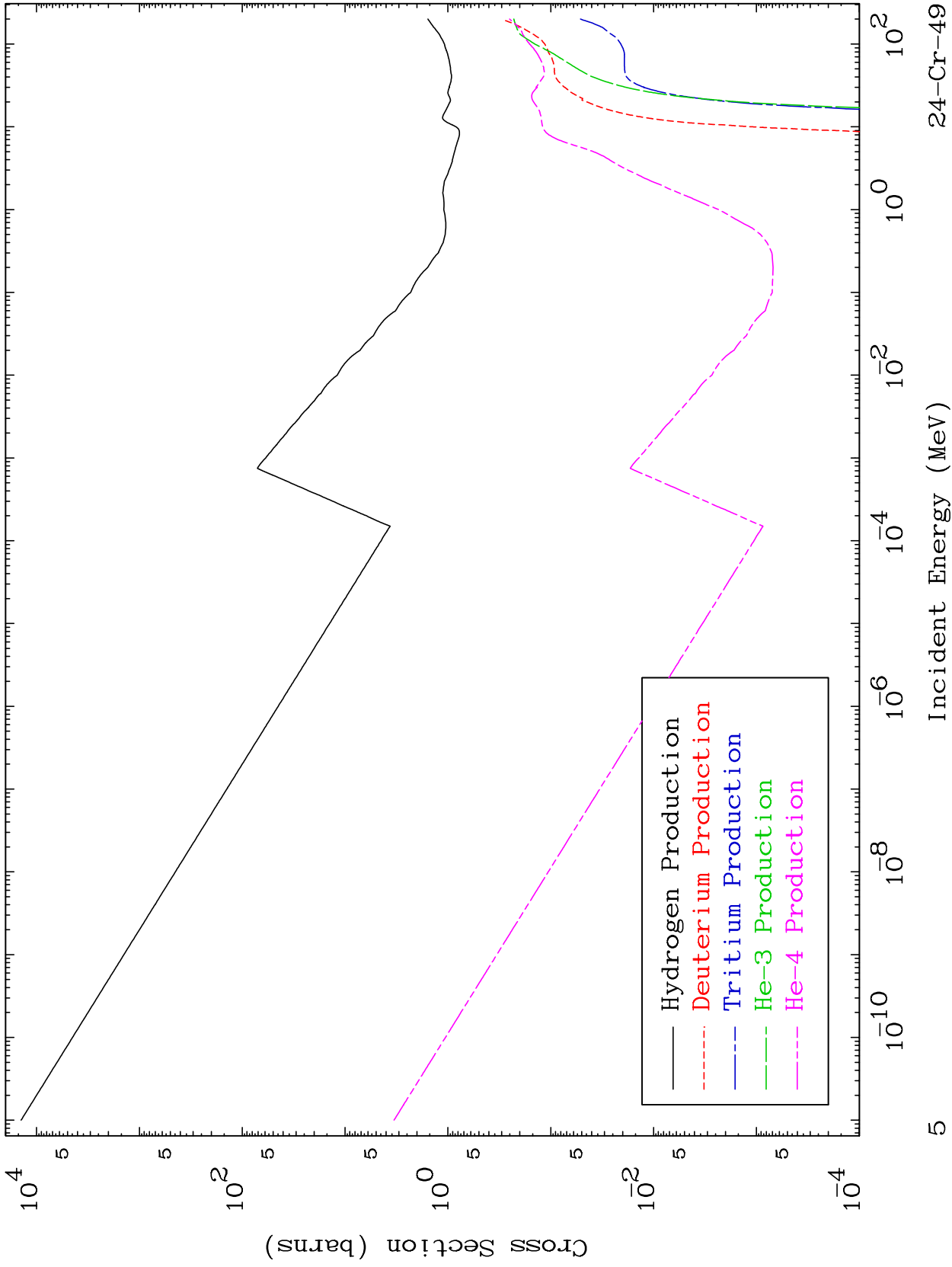


MAT 2422

Charged Particle  
293 Kelvin Cross Sections

24-Cr-49

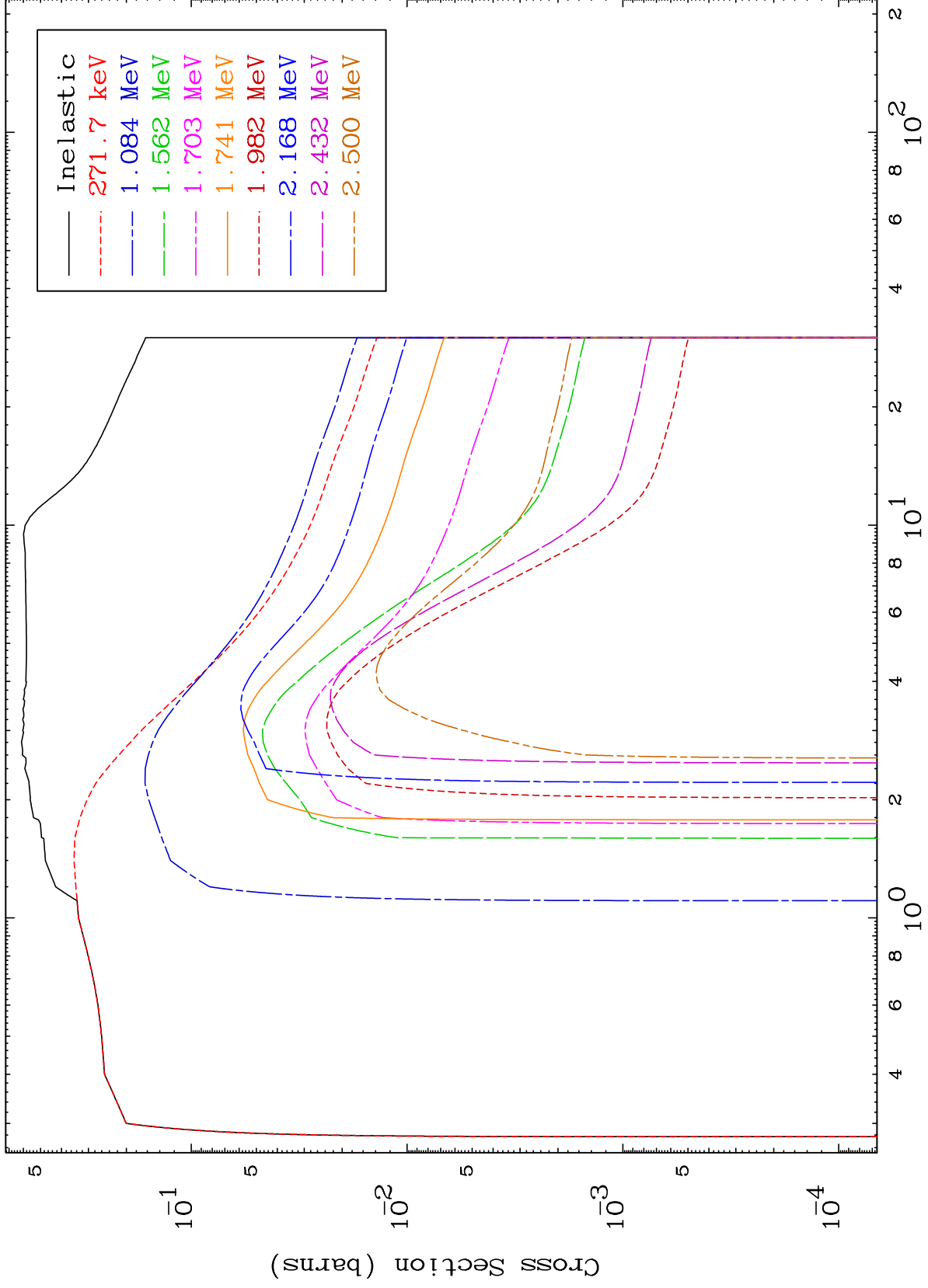




MAT 2422

(n,n') Level  
293 Kelvin Cross Sections

24-Cr-49



6

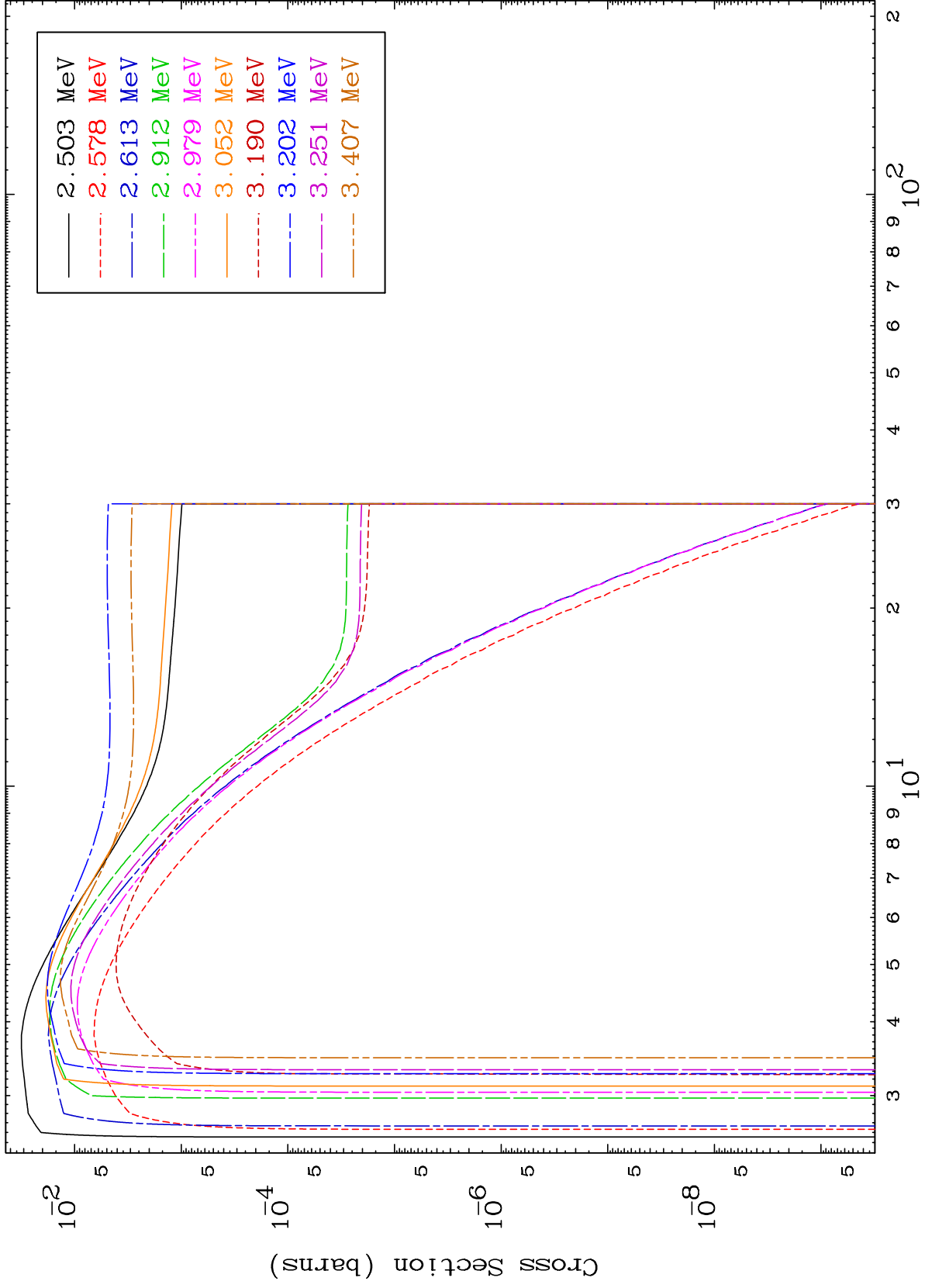
Incident Energy (MeV)

24-Cr-49

MAT 2422

(n,n') Level  
293 Kelvin Cross Sections

24-Cr-49



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Incident Energy (MeV)

24-Cr-49

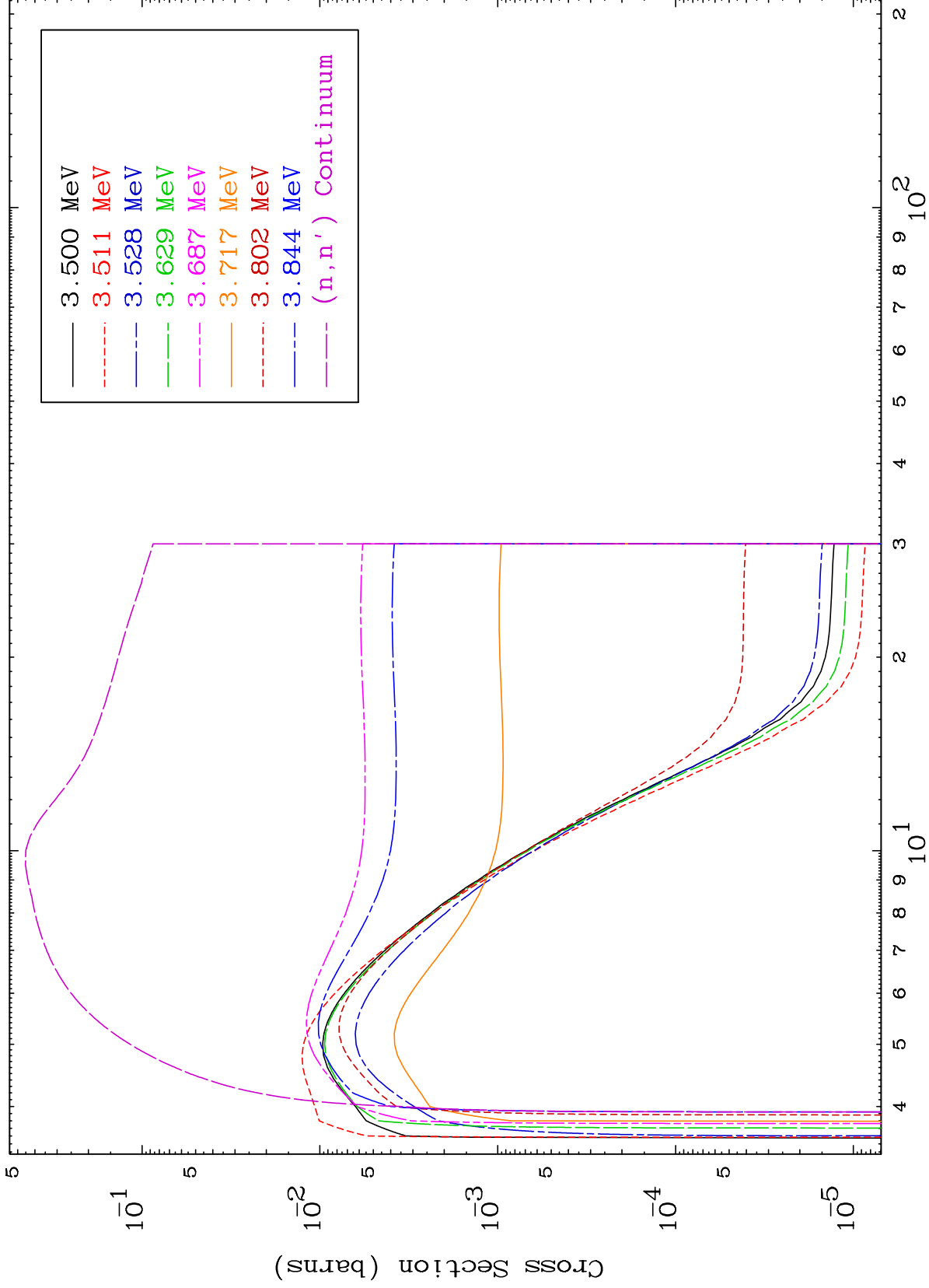


MAT 2422

(n,n') Level

24-Cr-49

293 Kelvin Cross Sections



8

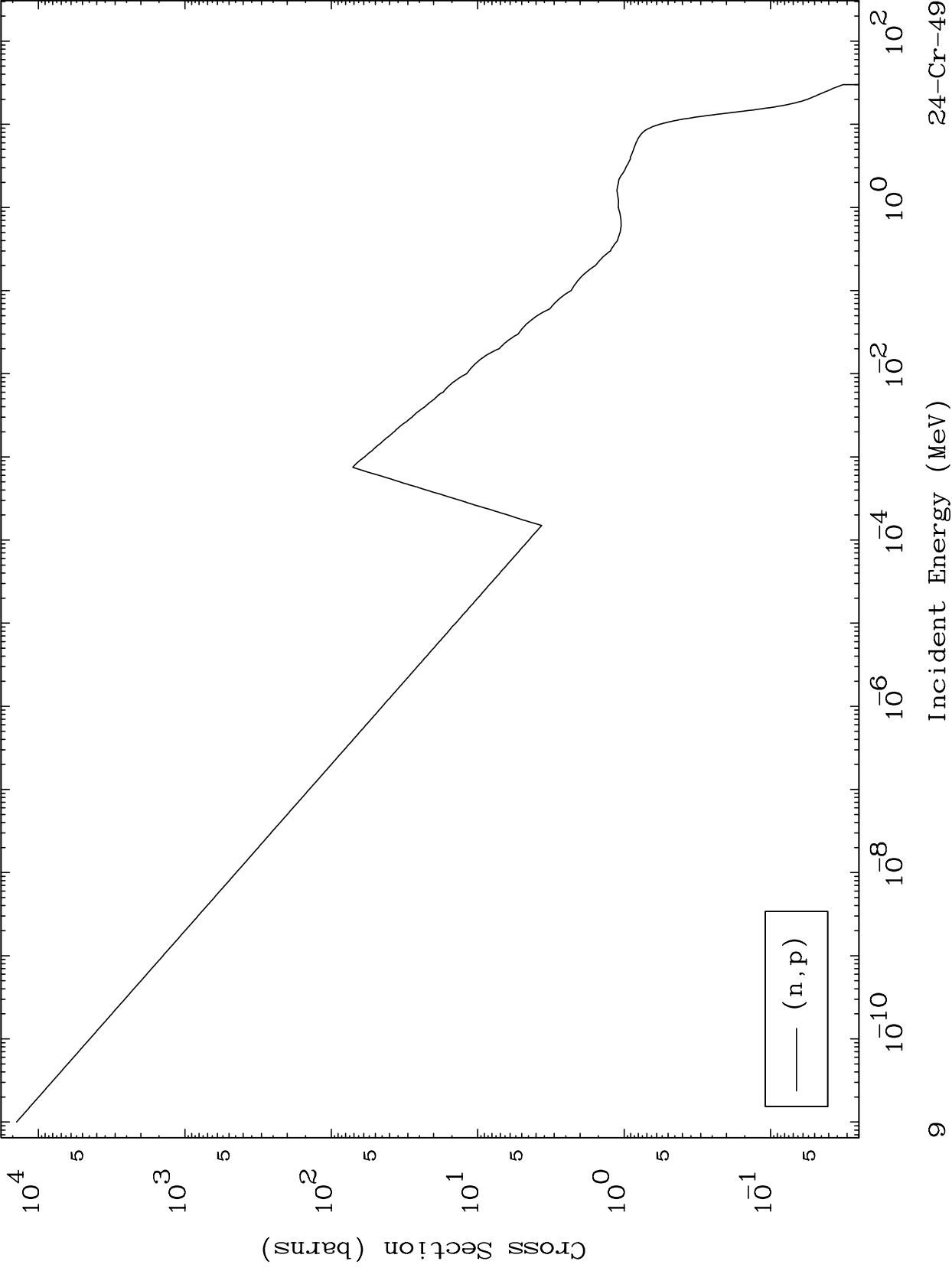
Incident Energy (MeV)

24-Cr-49

MAT 2422

(n,p) Levels  
293 Kelvin Cross Sections

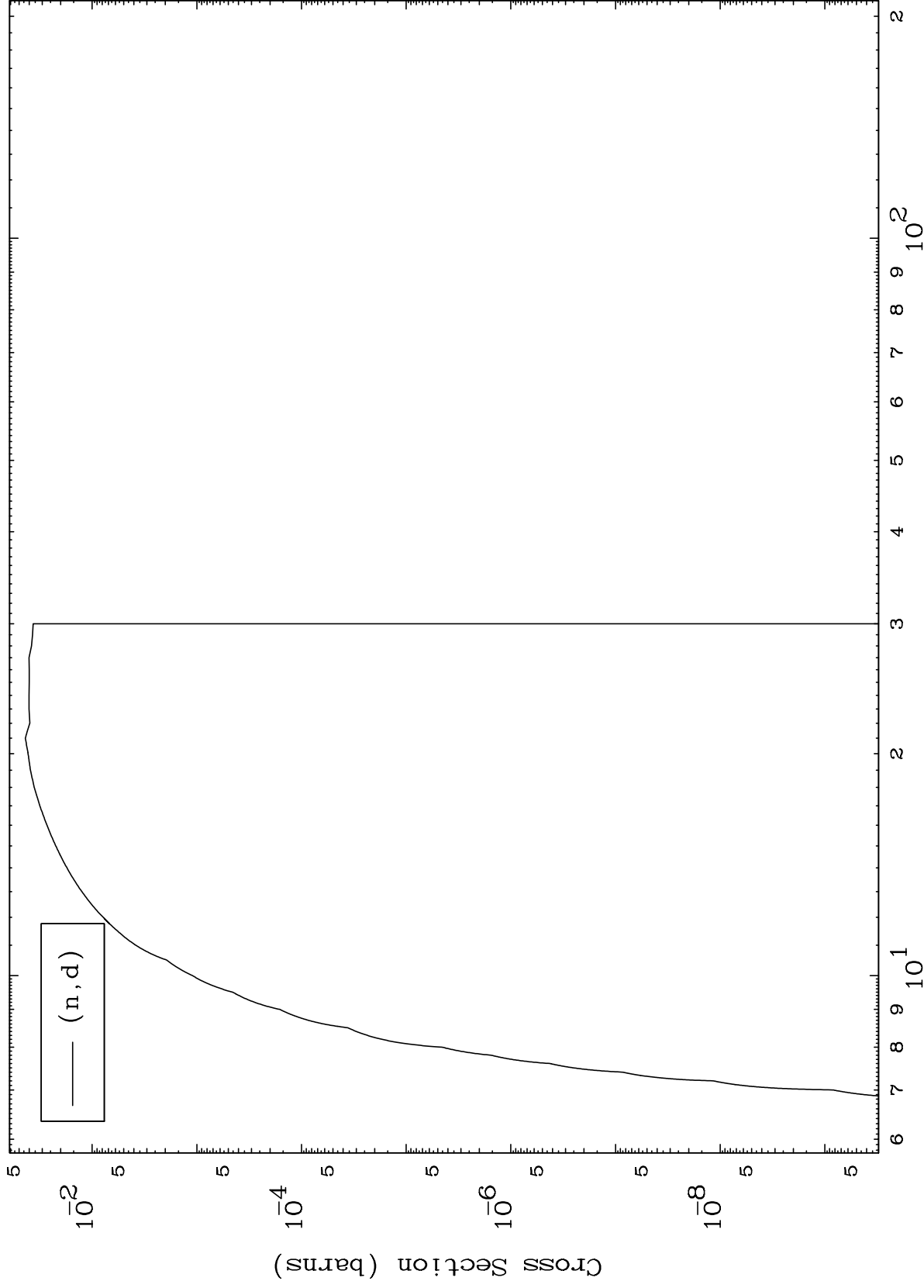
24-Cr-49



MAT 2422

(n,d) Levels  
293 Kelvin Cross Sections

24-Cr-49



10

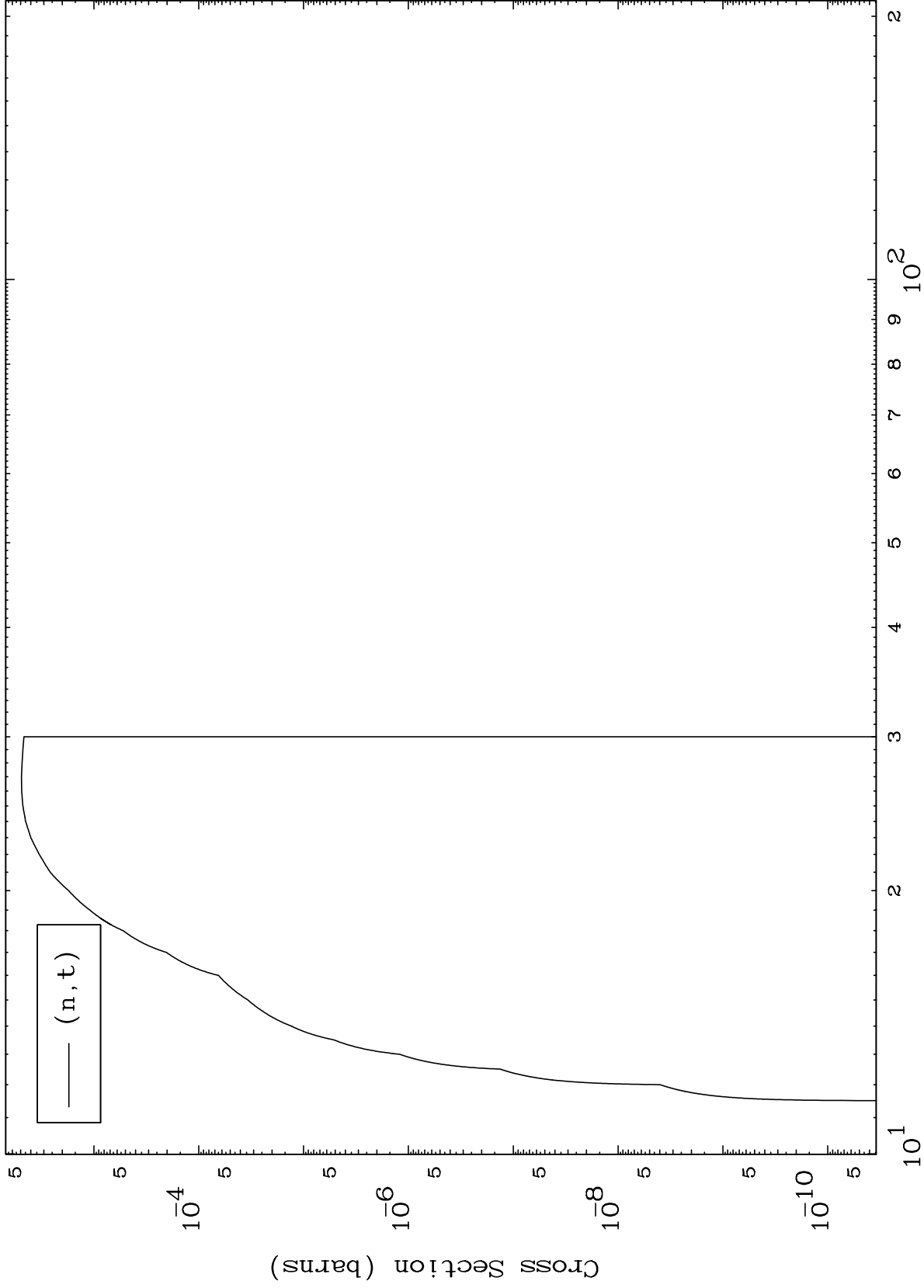
Incident Energy (MeV)

24-Cr-49

MAT 2422

(n,t) Levels  
293 Kelvin Cross Sections

24-Cr-49



11

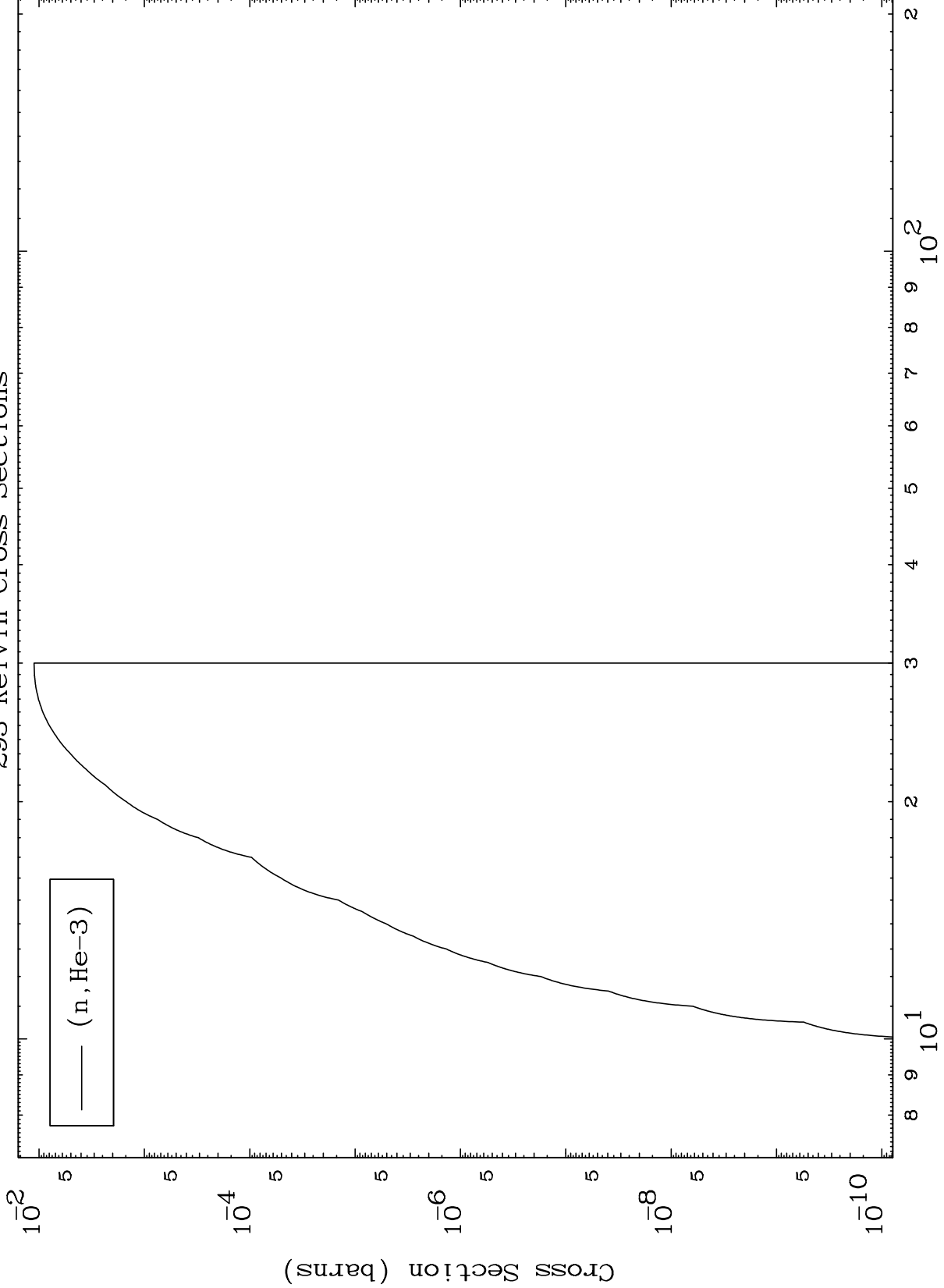
Incident Energy (MeV)

24-Cr-49

MAT 2422

(n,He3) Levels  
293 Kelvin Cross Sections

24-Cr-49



12

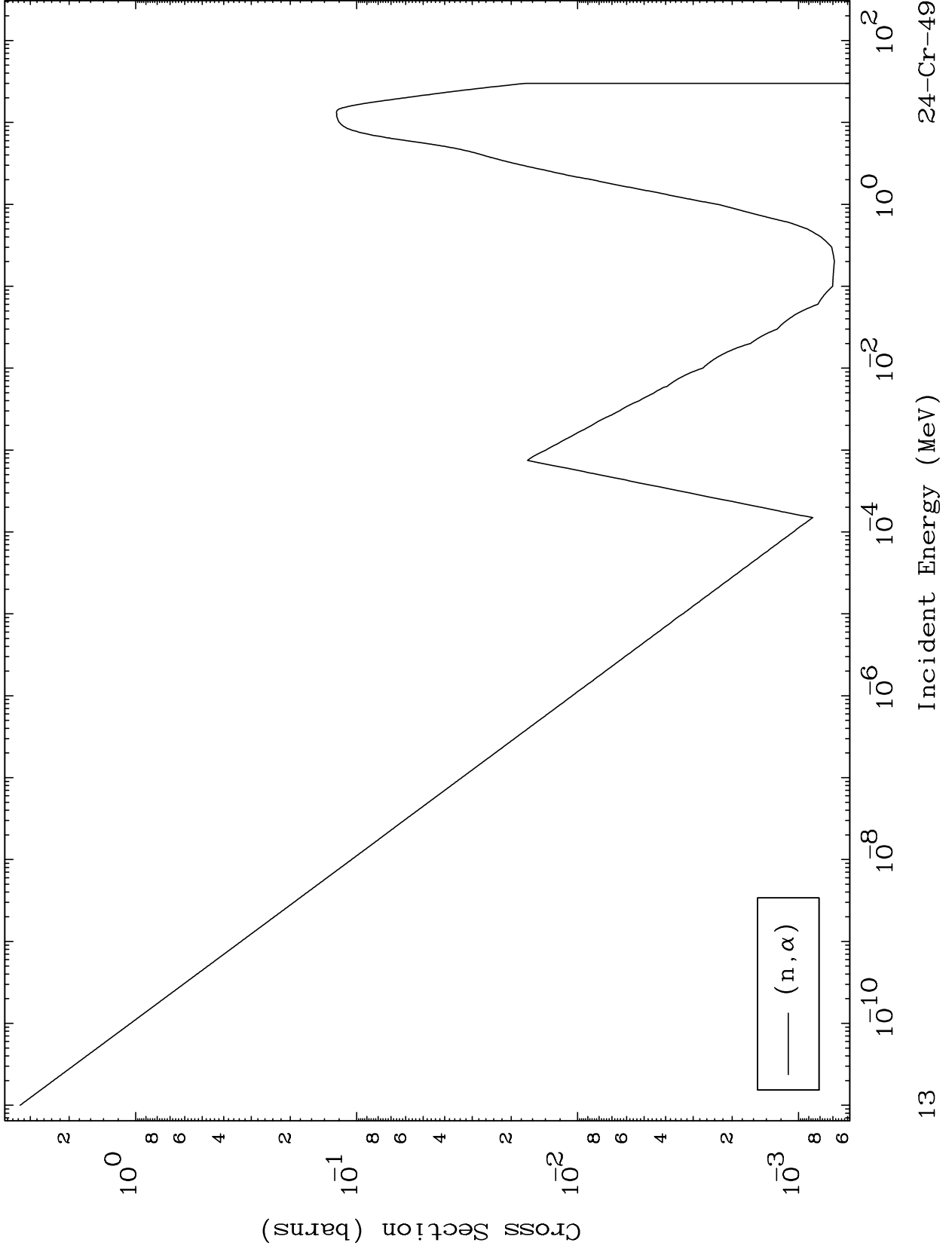
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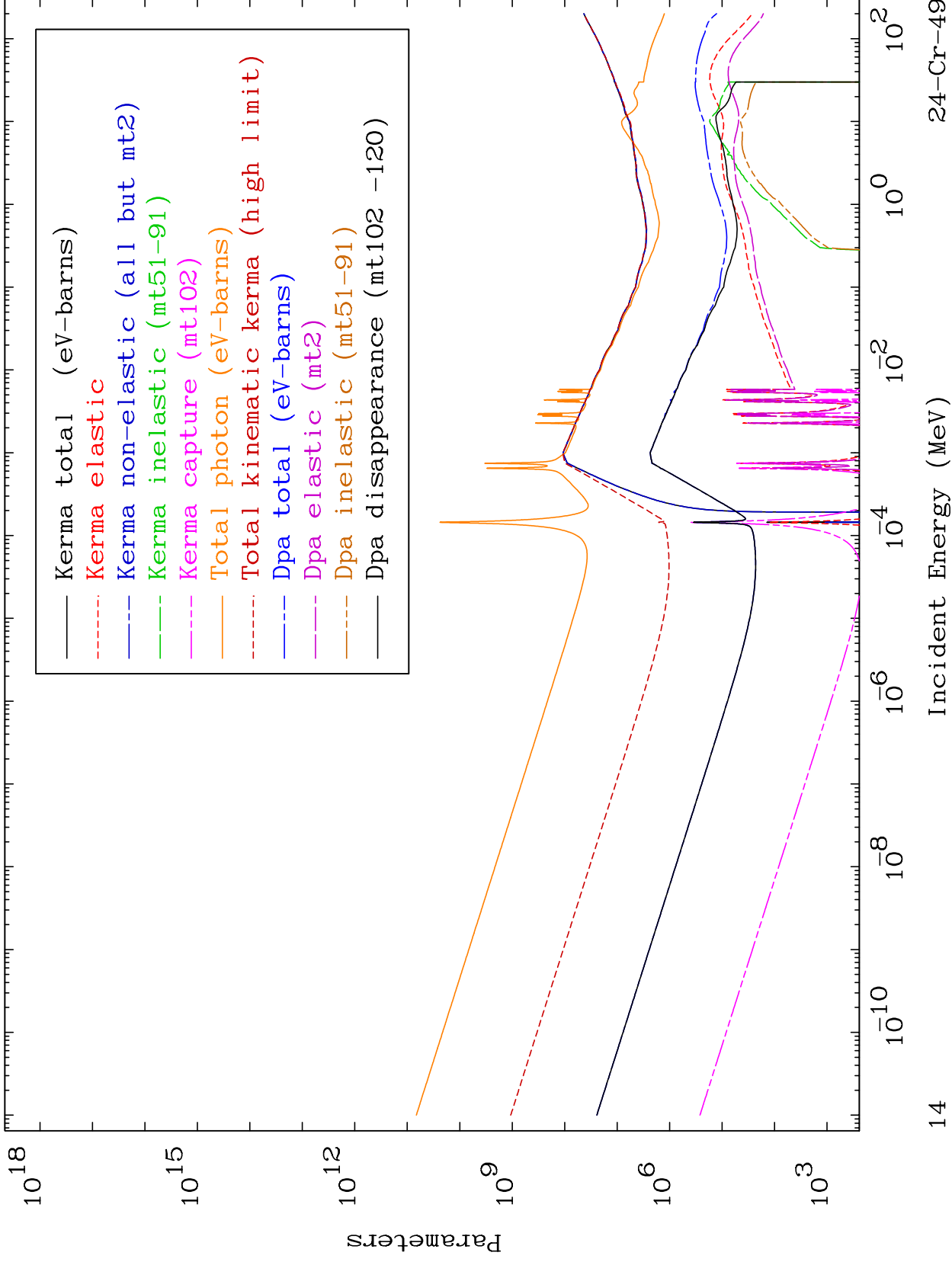
24-Cr-49

MAT 2422

(n,α) Levels  
293 Kelvin Cross Sections

24-Cr-49

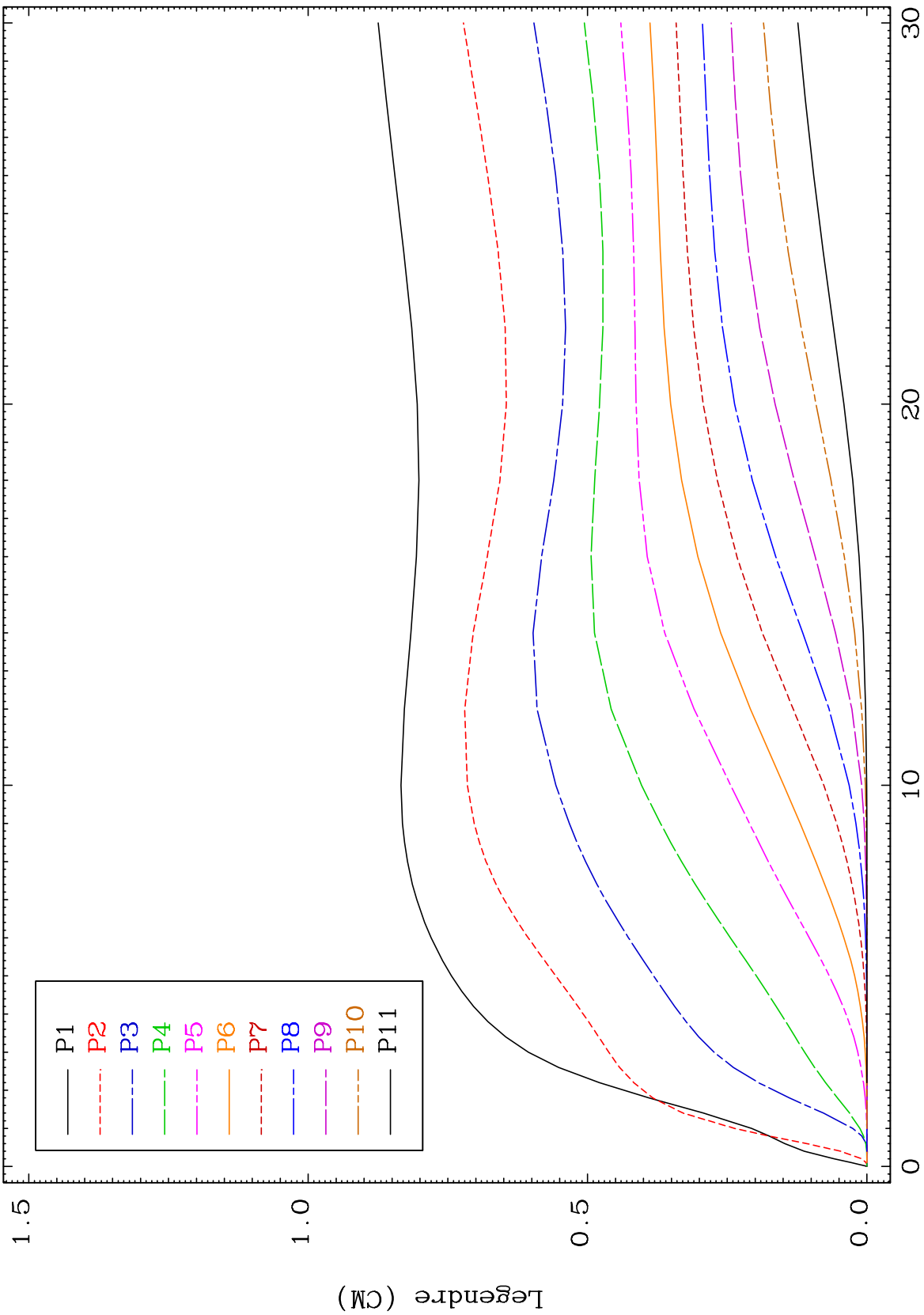




MAT 2422

Elastic Legendre Coefficients

24-Cr-49

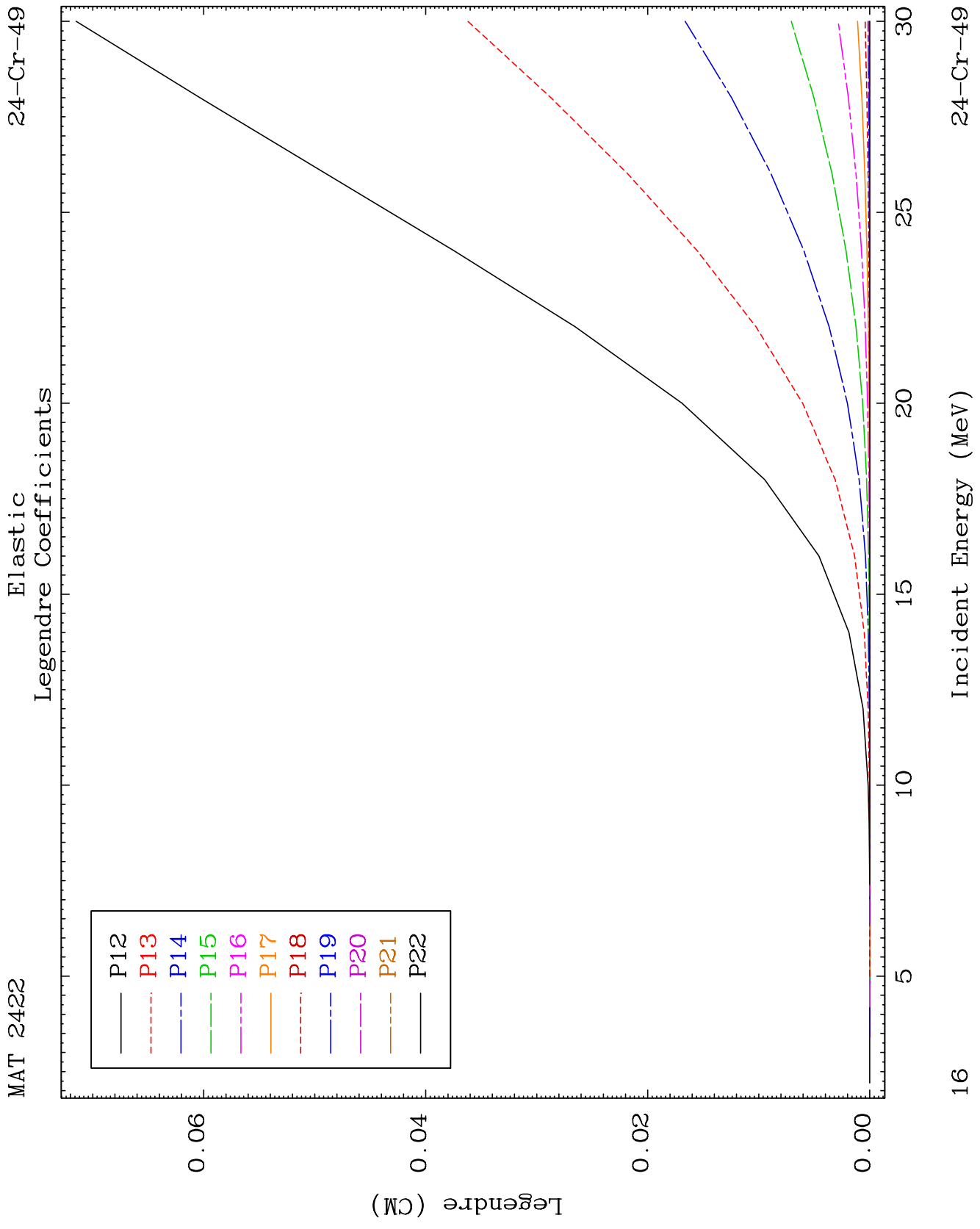


15

Incident Energy (MeV)

24-Cr-49

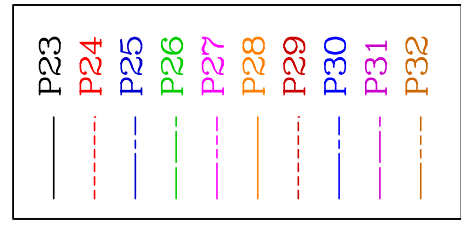




MAT 2422

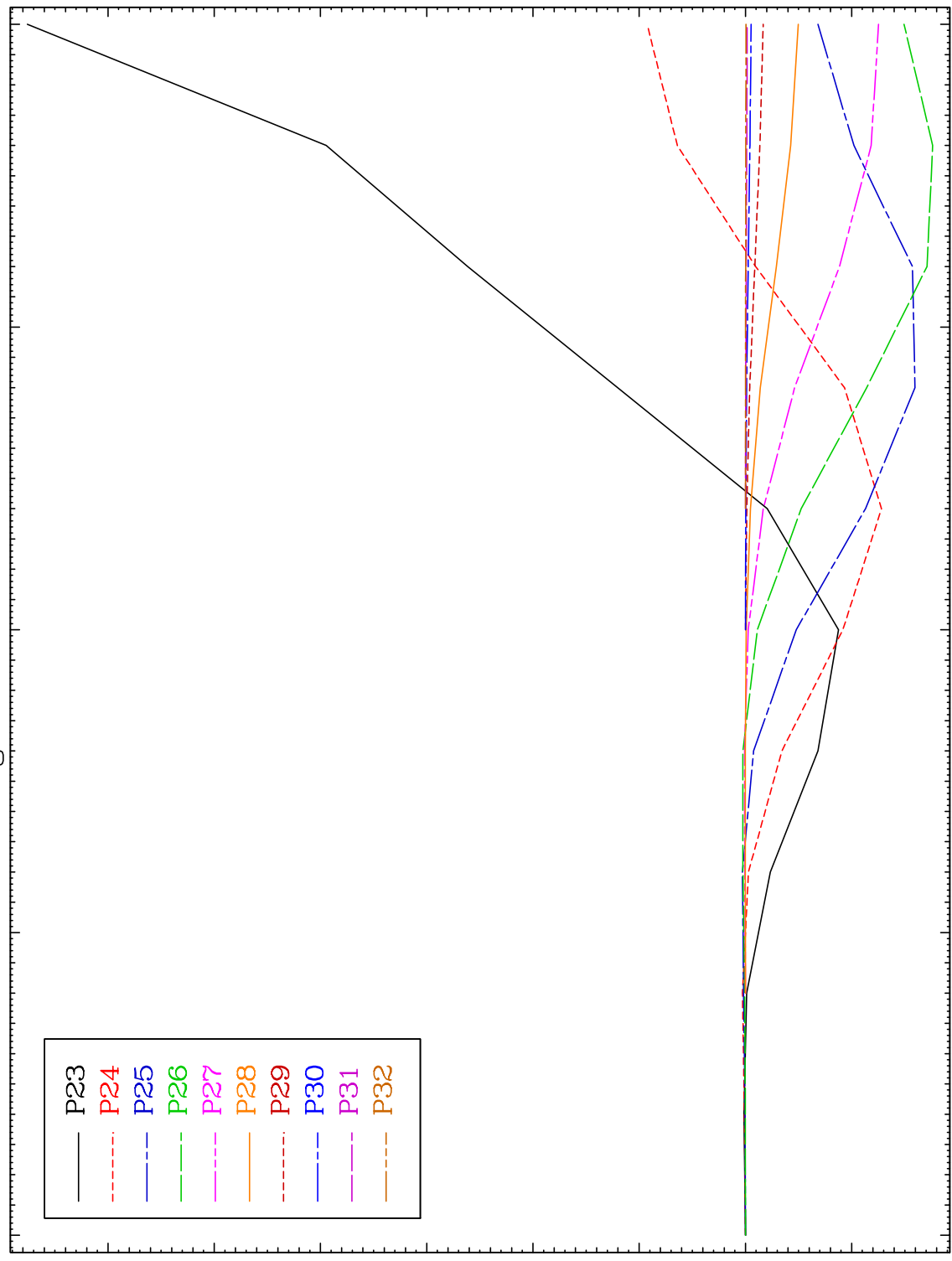
Elastic Legendre Coefficients

24-Cr-49



$\times 10^{-6}$   
1.2  
0.8  
0.4  
0.0

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

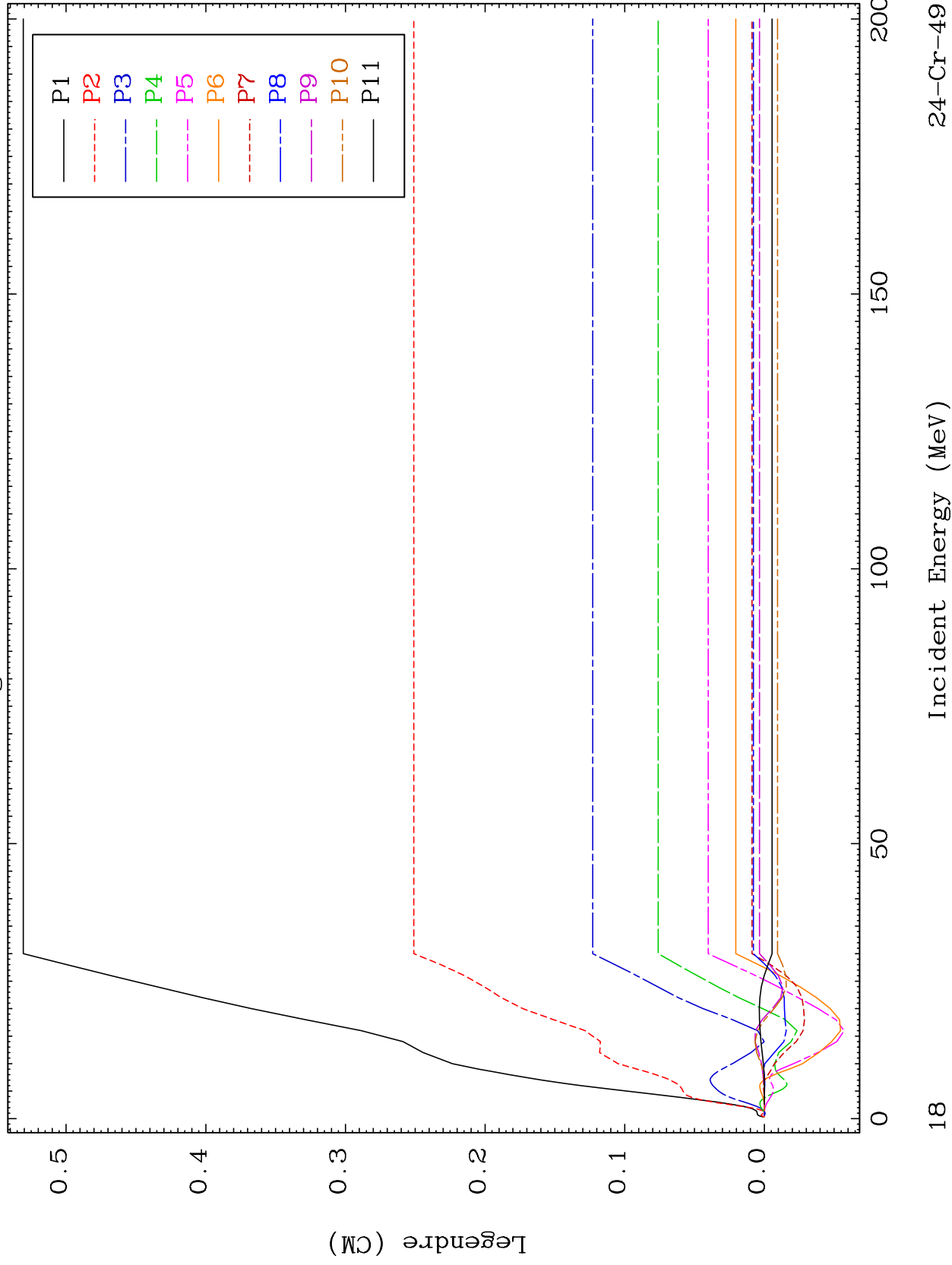
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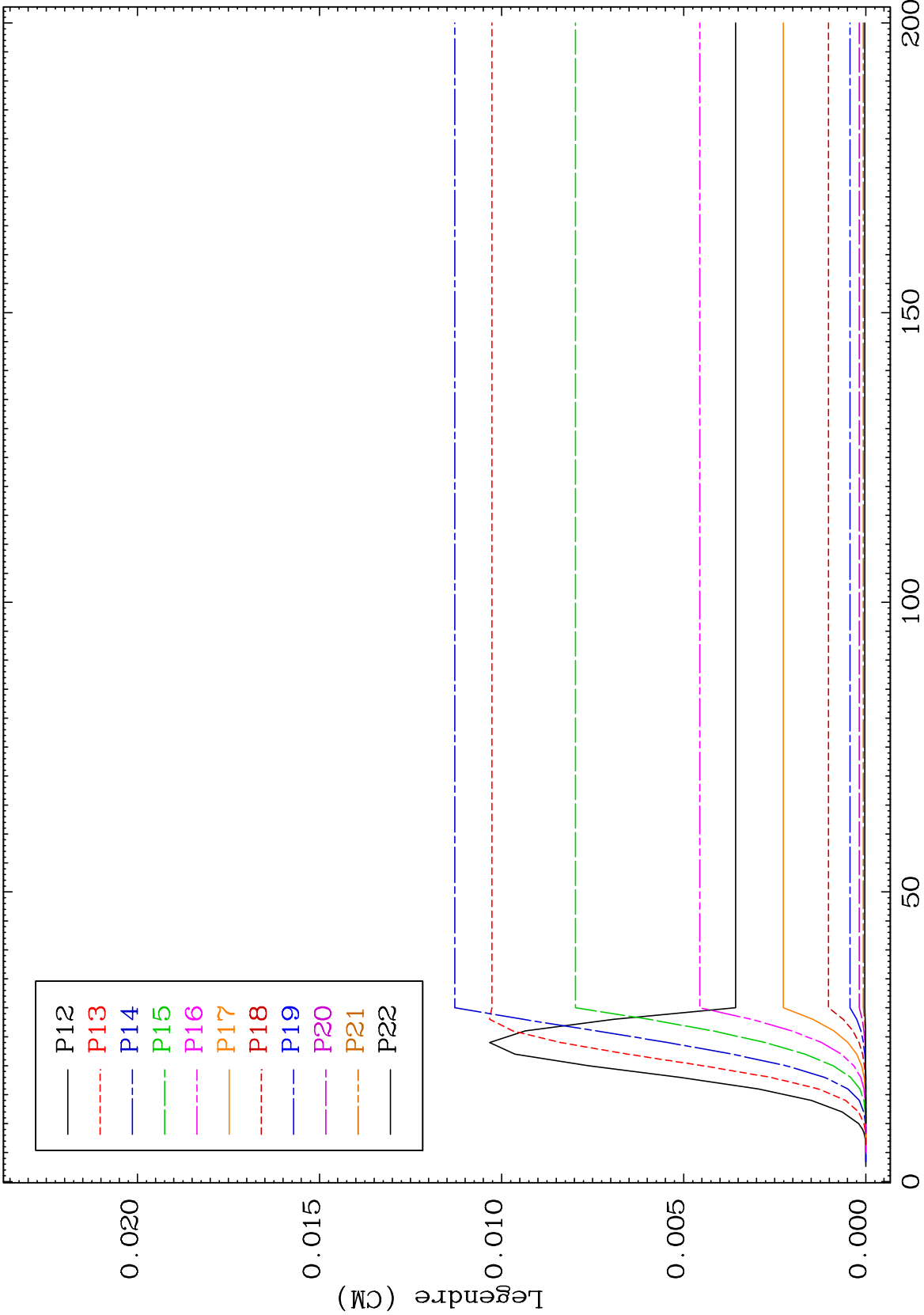
17

MAT 2422

271.7 keV (n,n') Level  
Legendre Coefficients

24-Cr-49

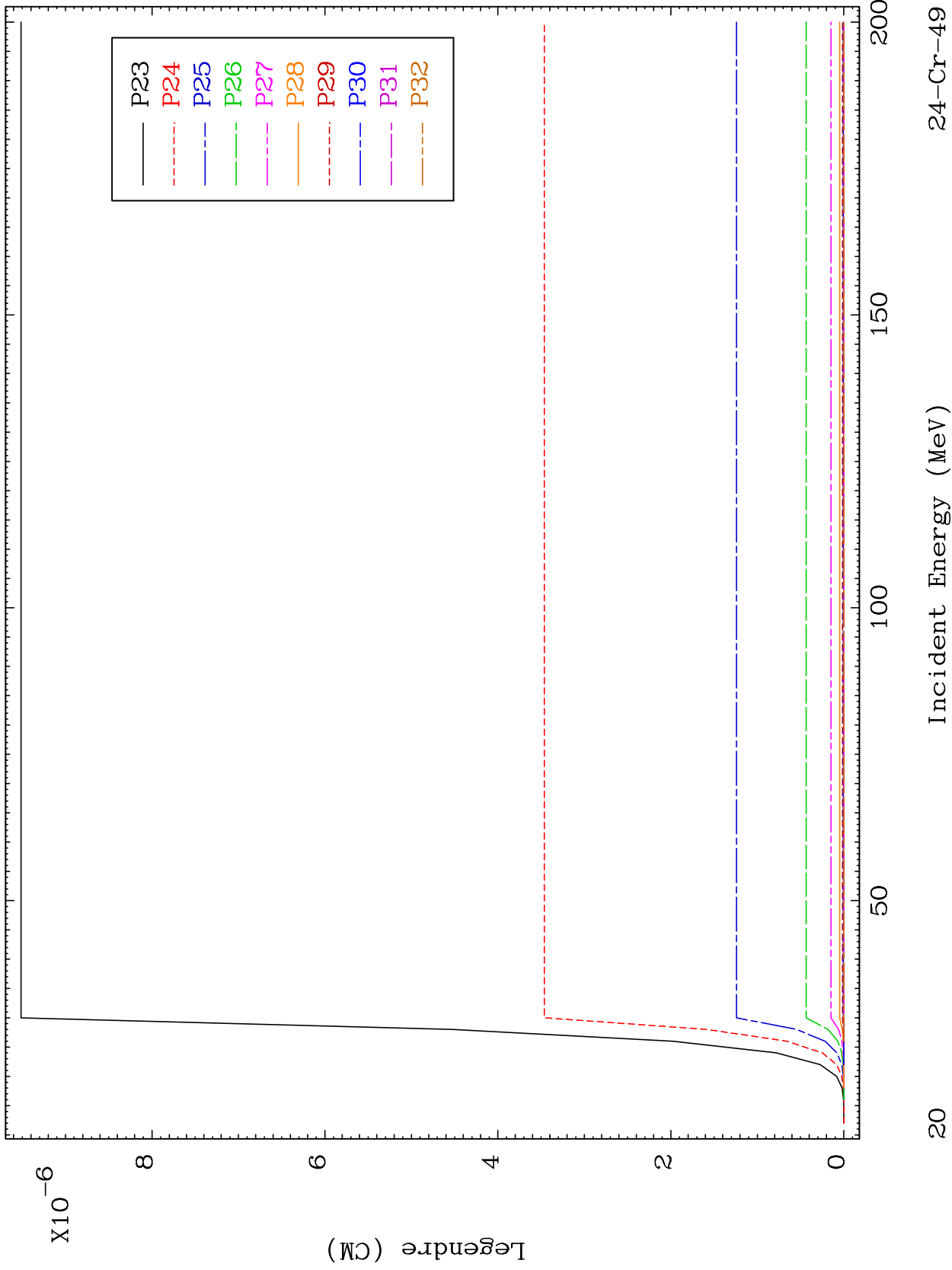




MAT 2422

271.7 keV (n,n') Level  
Legendre Coefficients

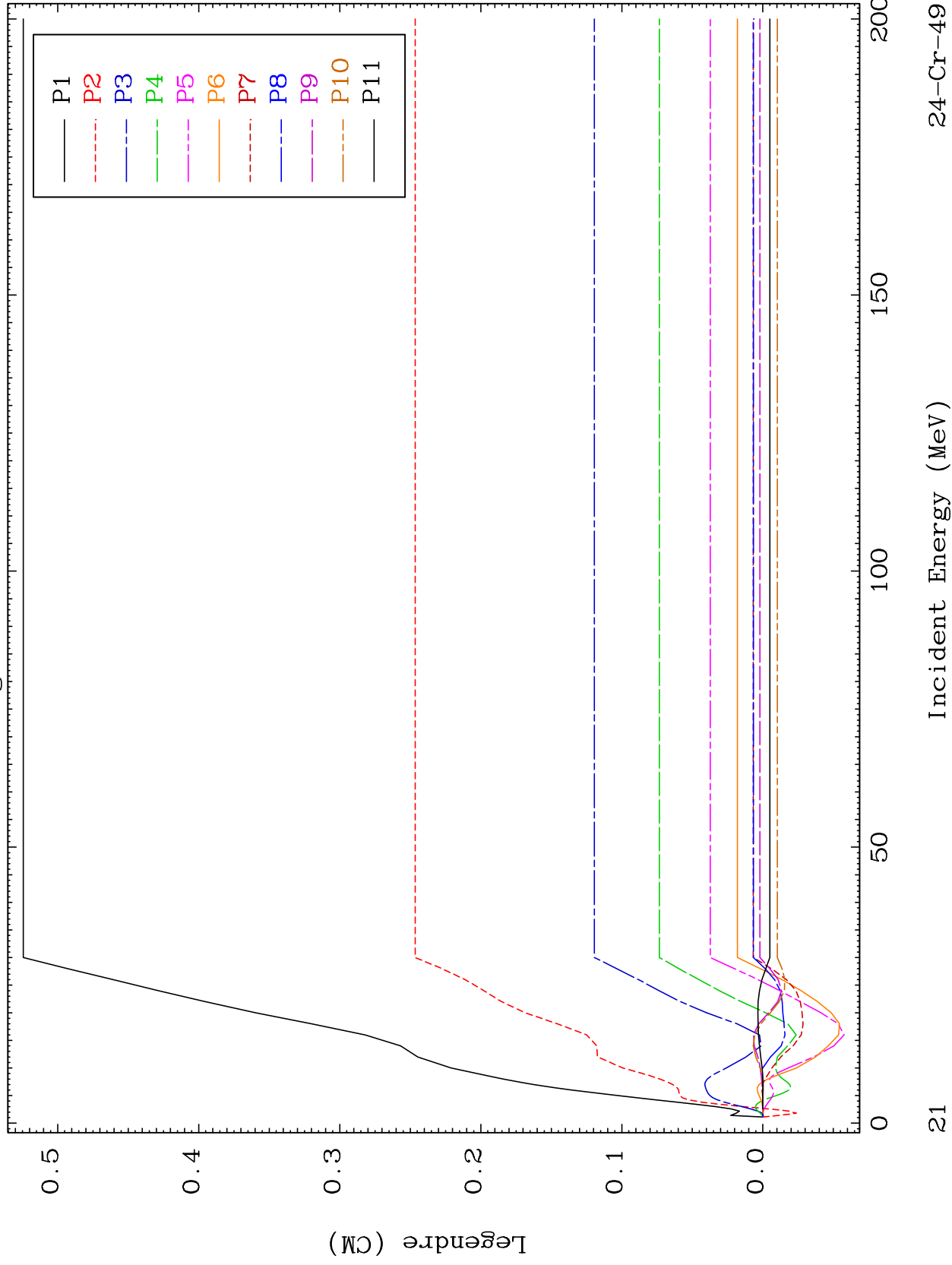
24-Cr-49



MAT 2422

1.084 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49

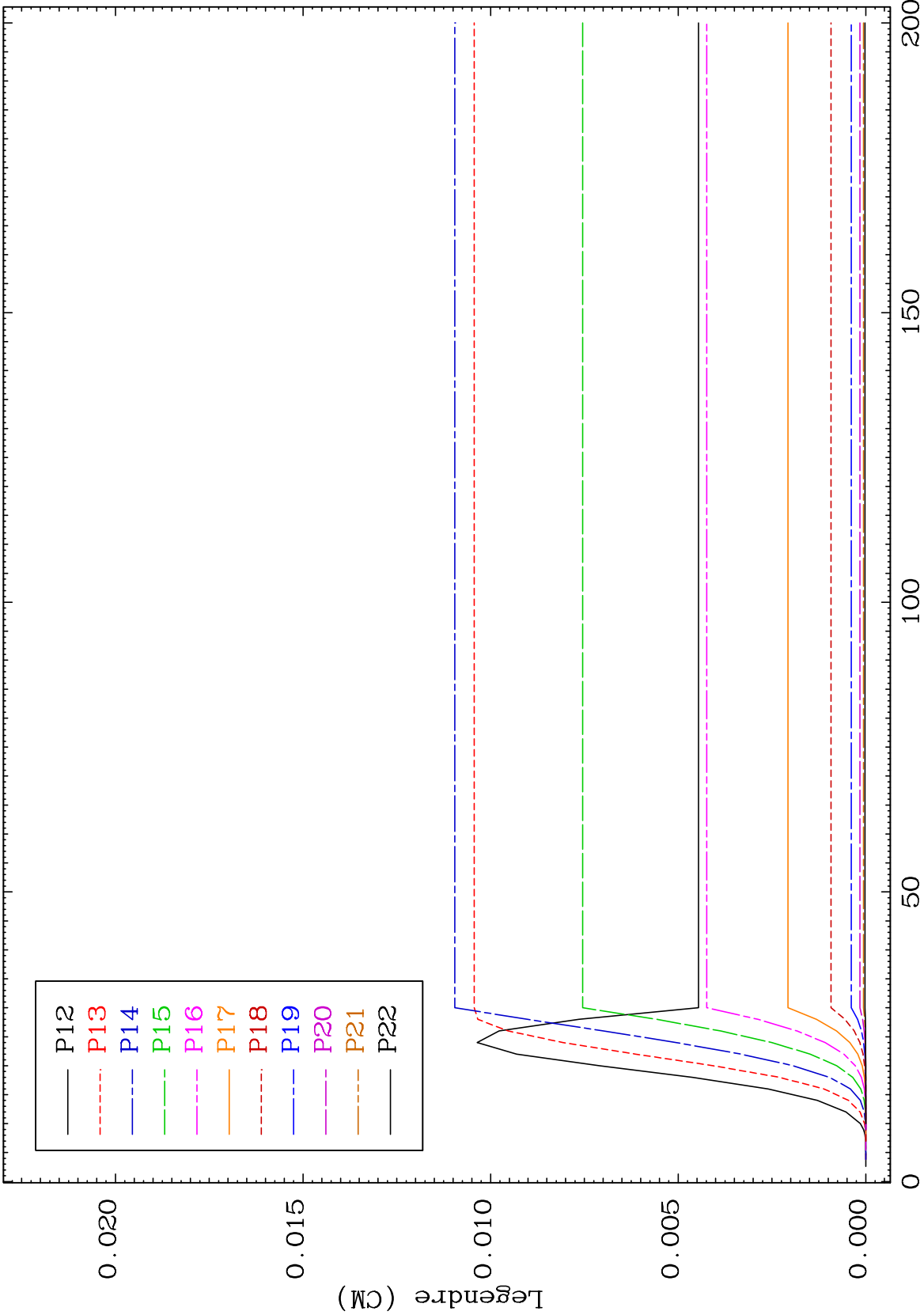


21

MAT 2422

1.084 MeV (n,n') Level  
Legendre Coefficients

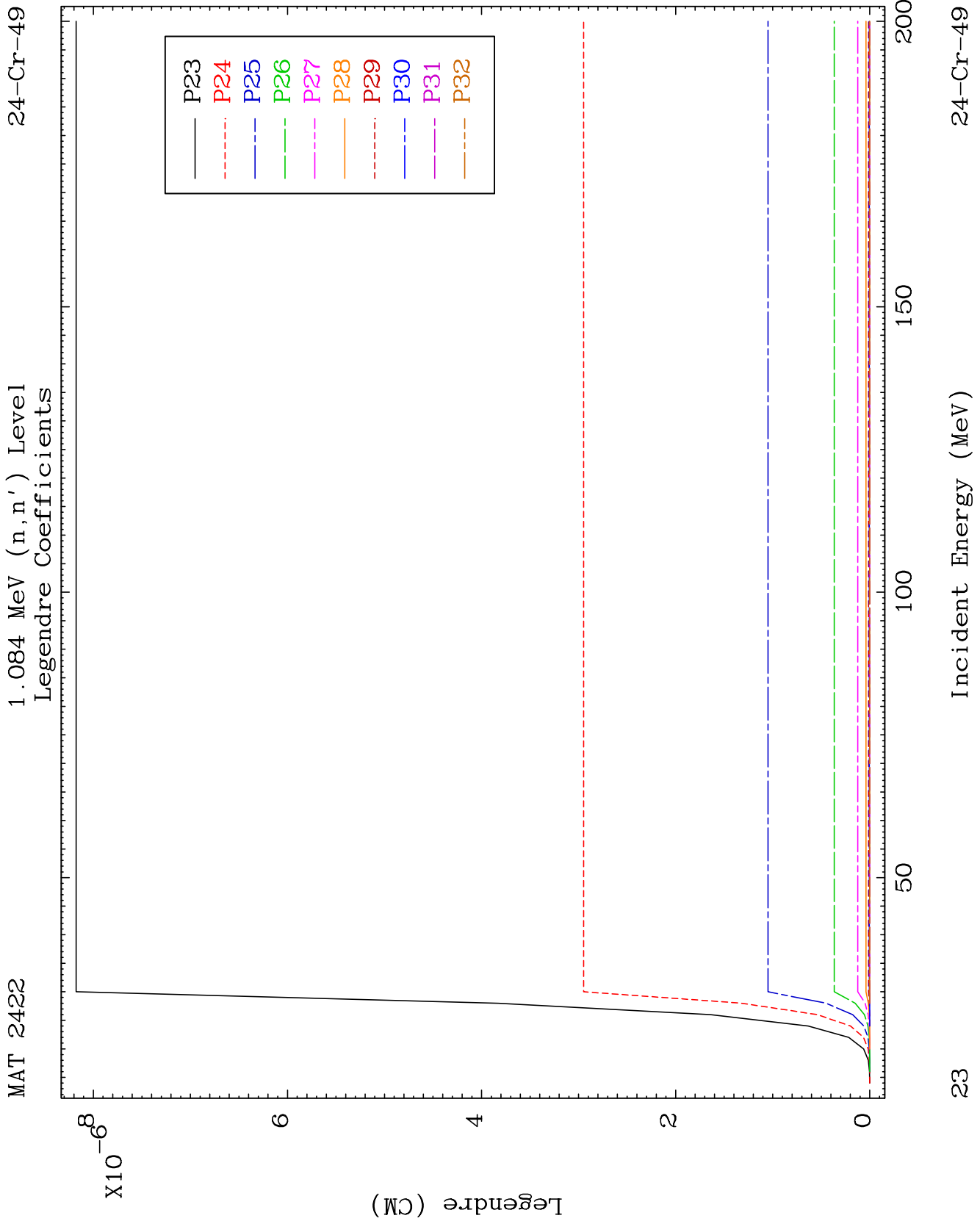
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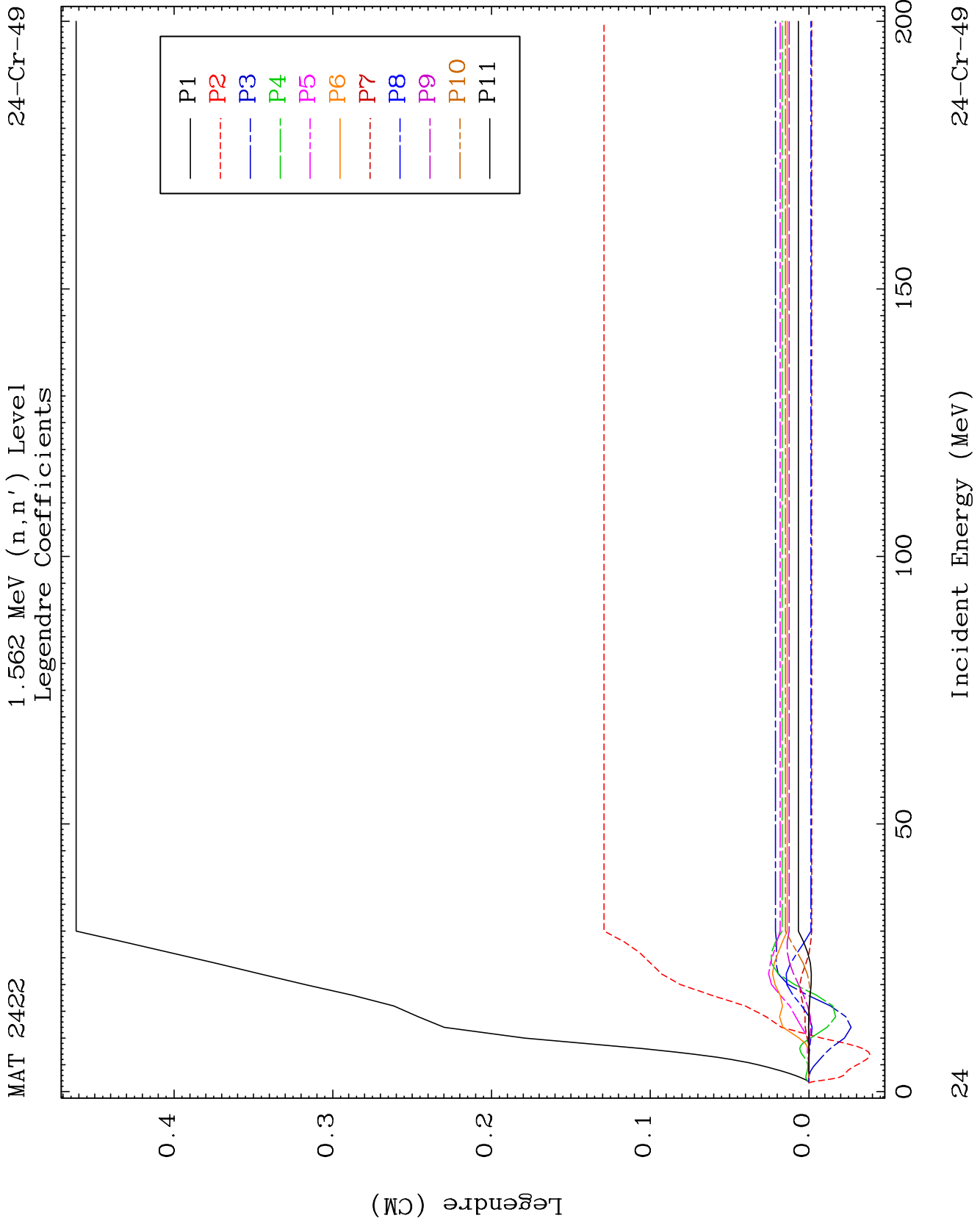
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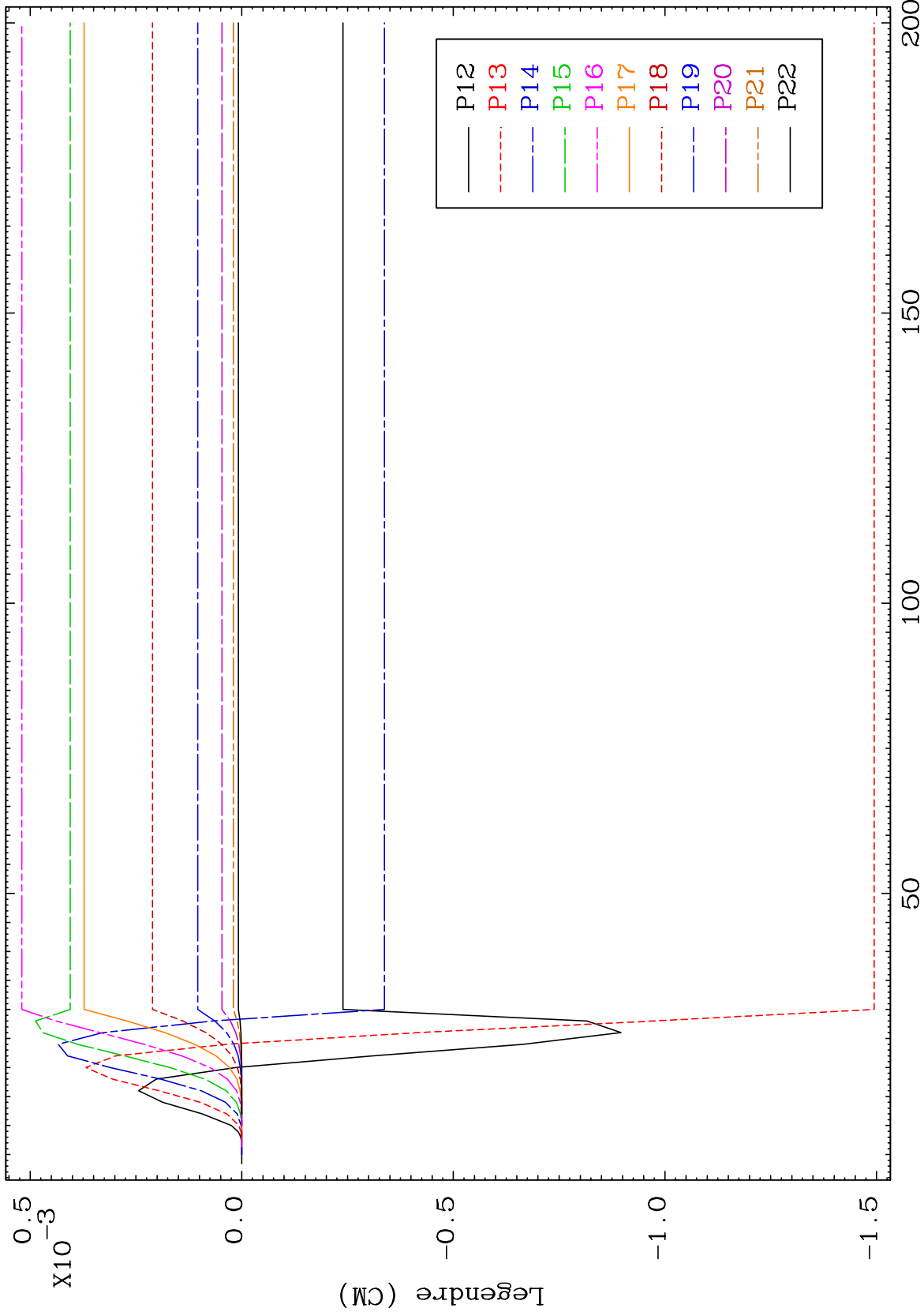
Incident Energy (MeV)

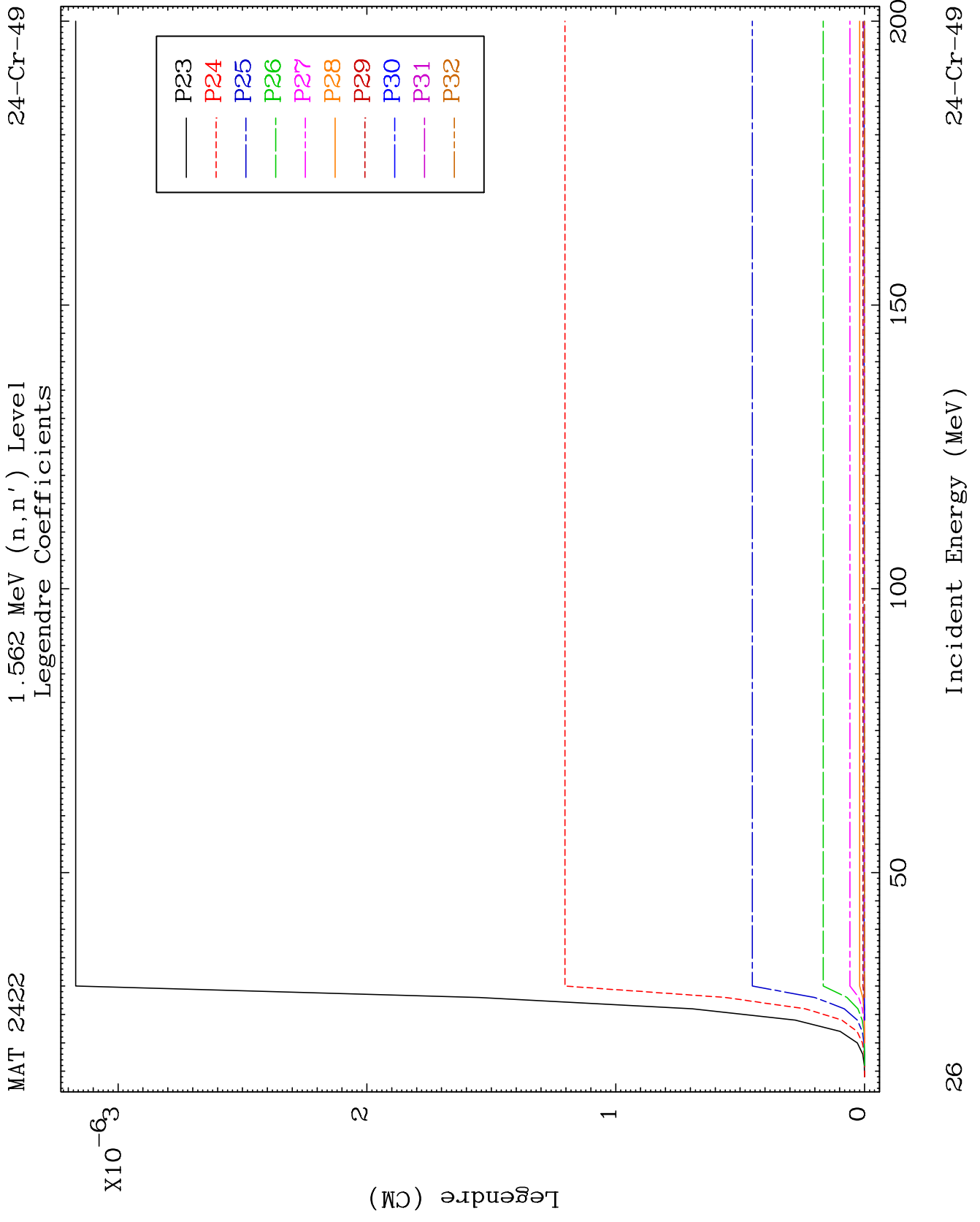
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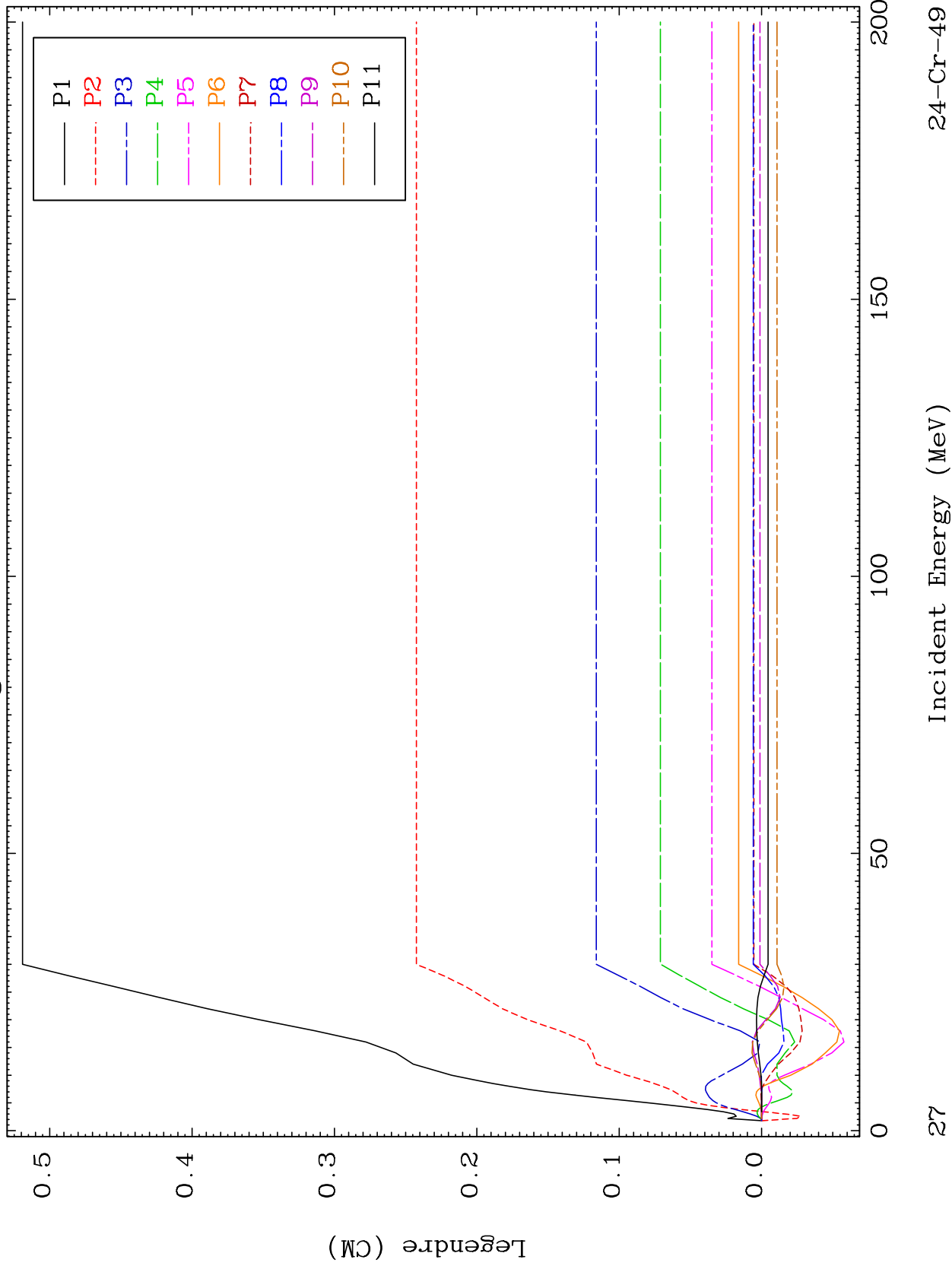


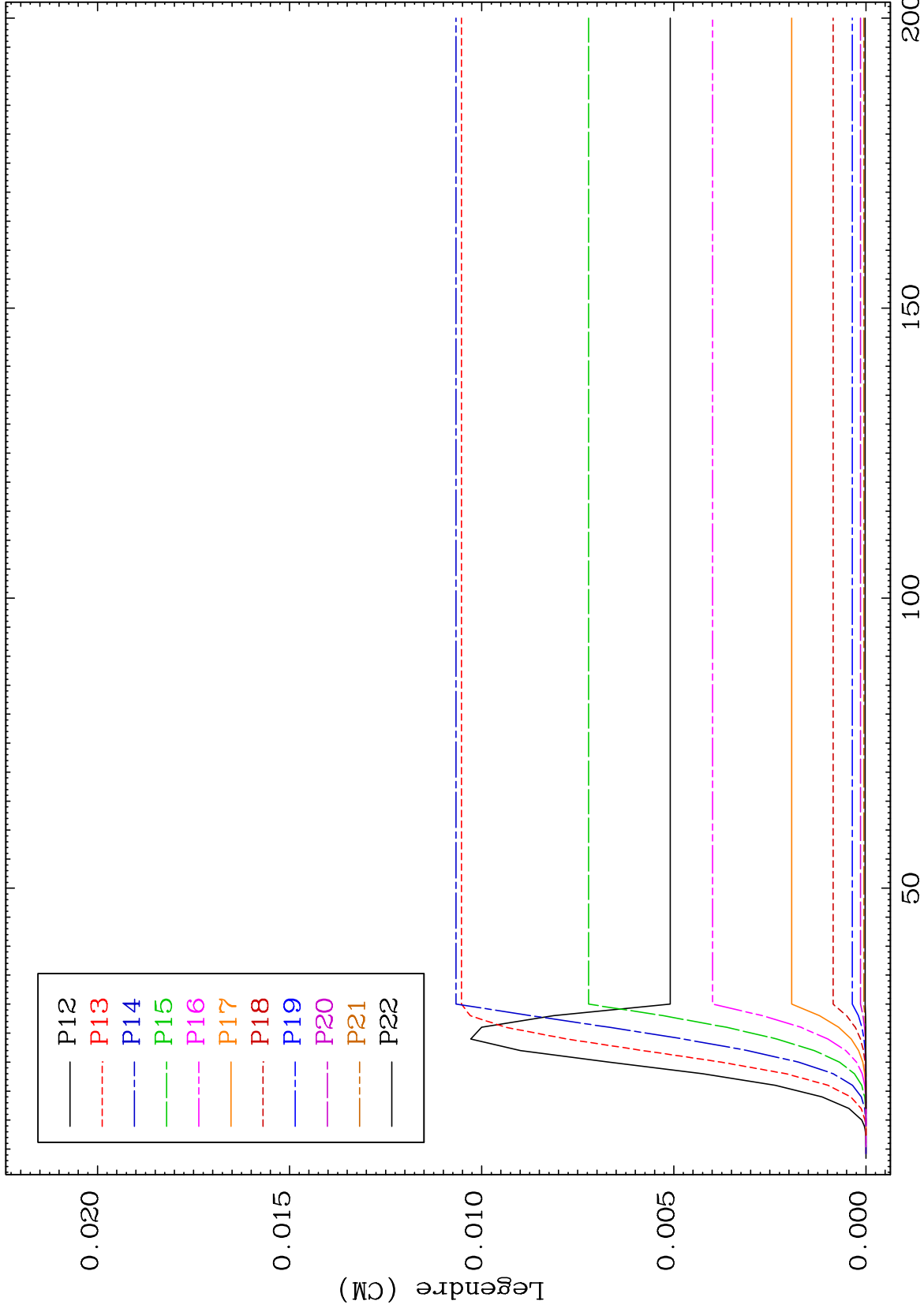


MAT 2422

1.703 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49

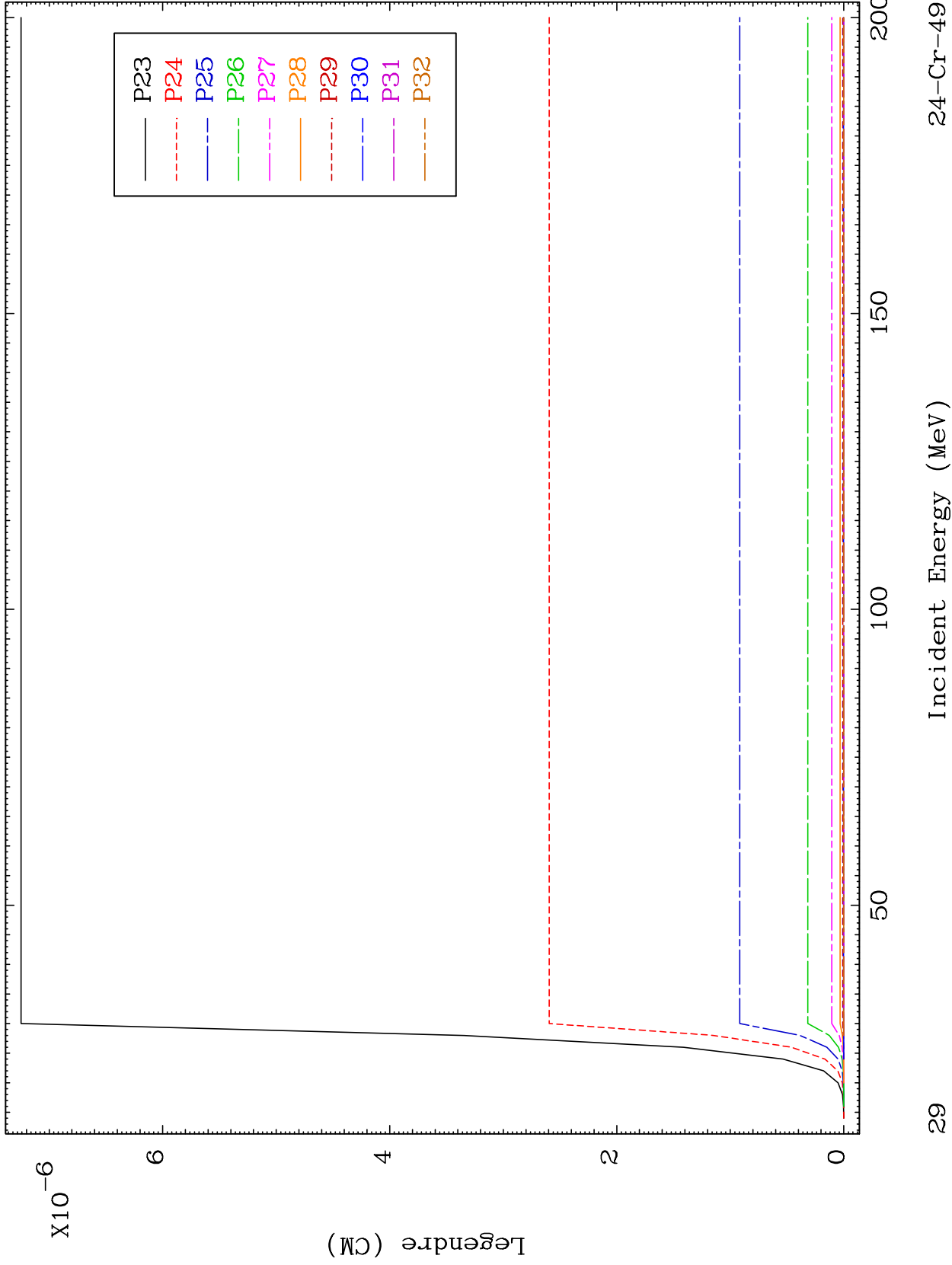




MAT 2422

1.703 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



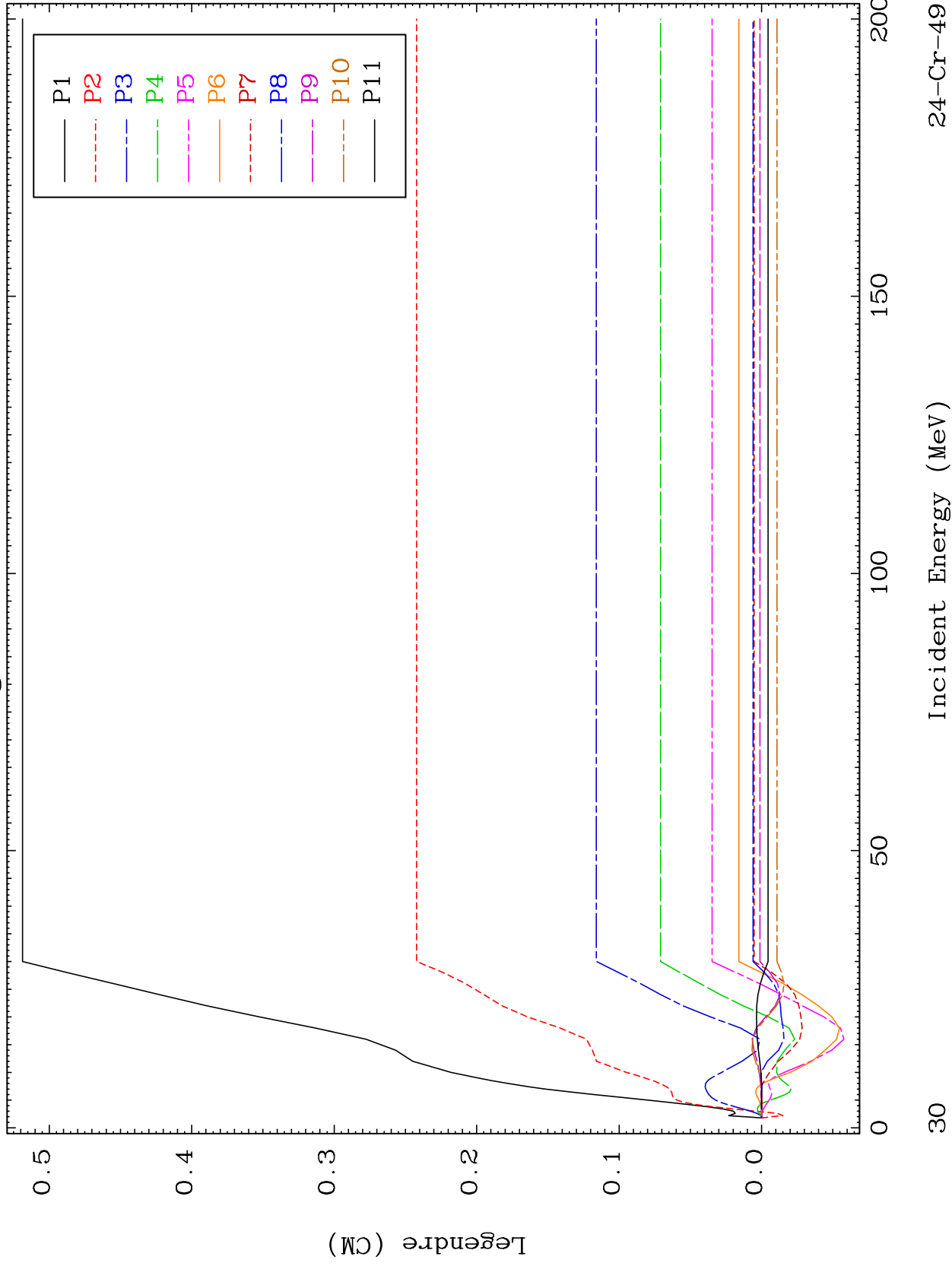
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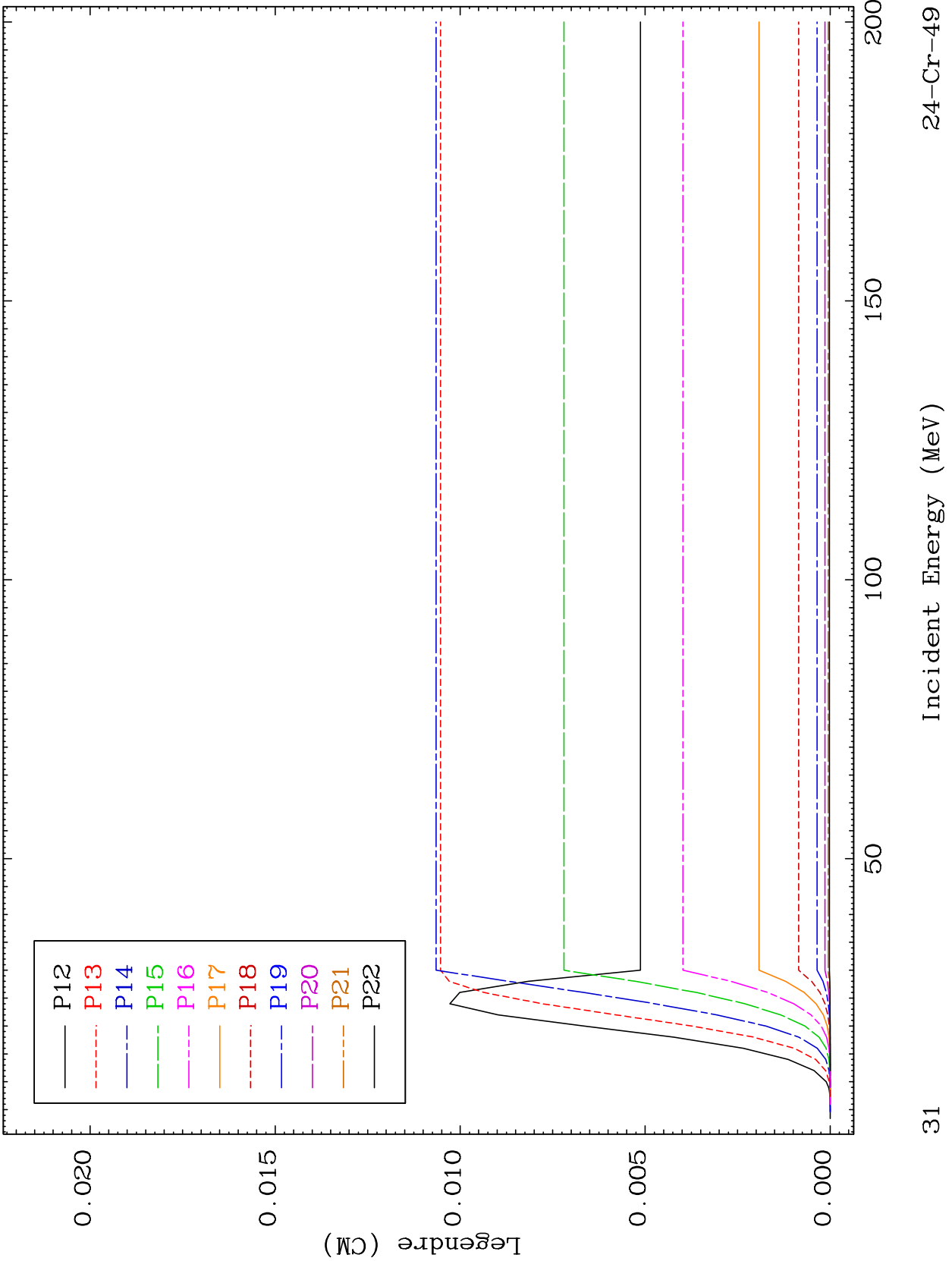
24-Cr-49

MAT 2422

1.741 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



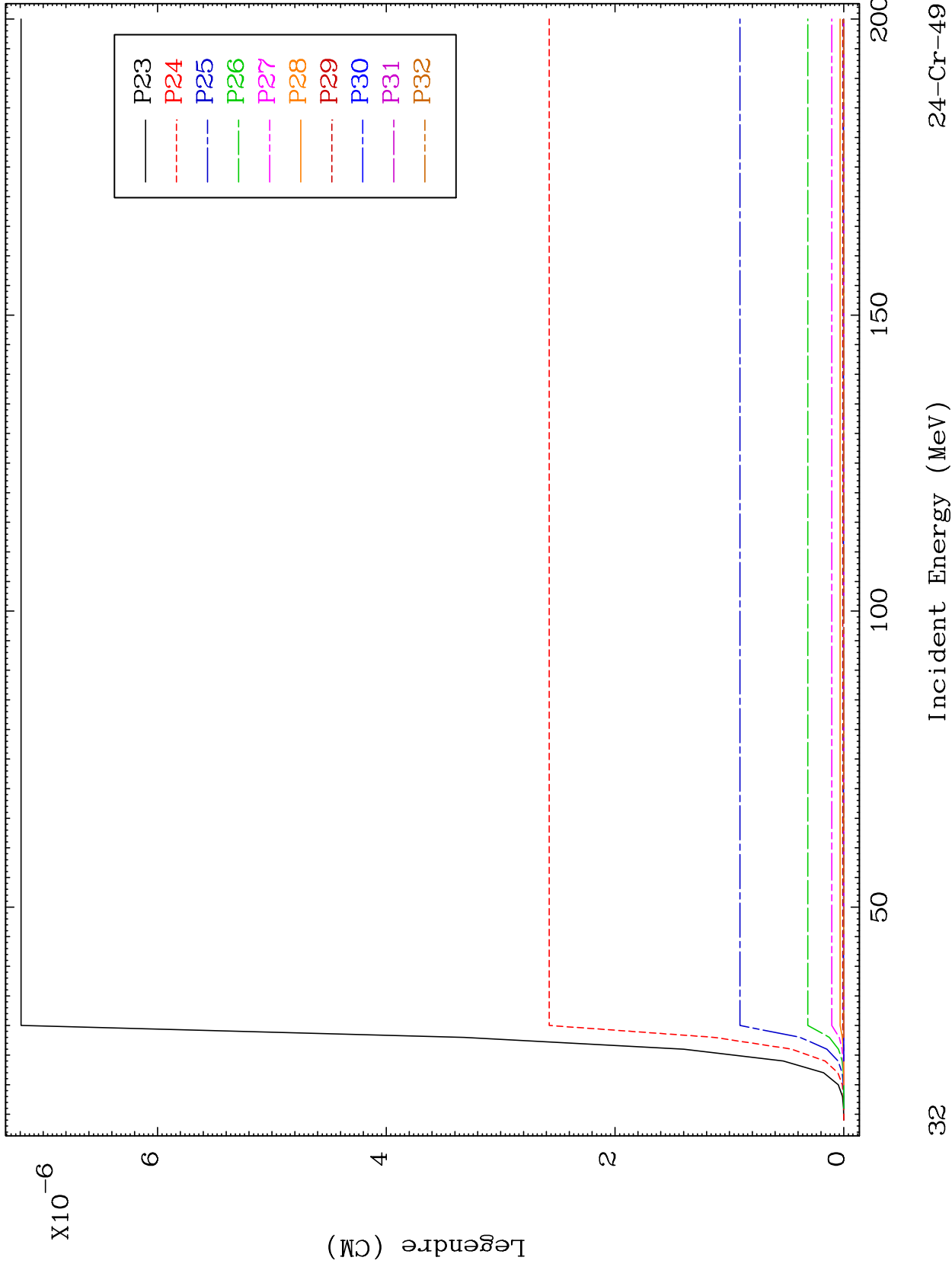




MAT 2422

1.741 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



32

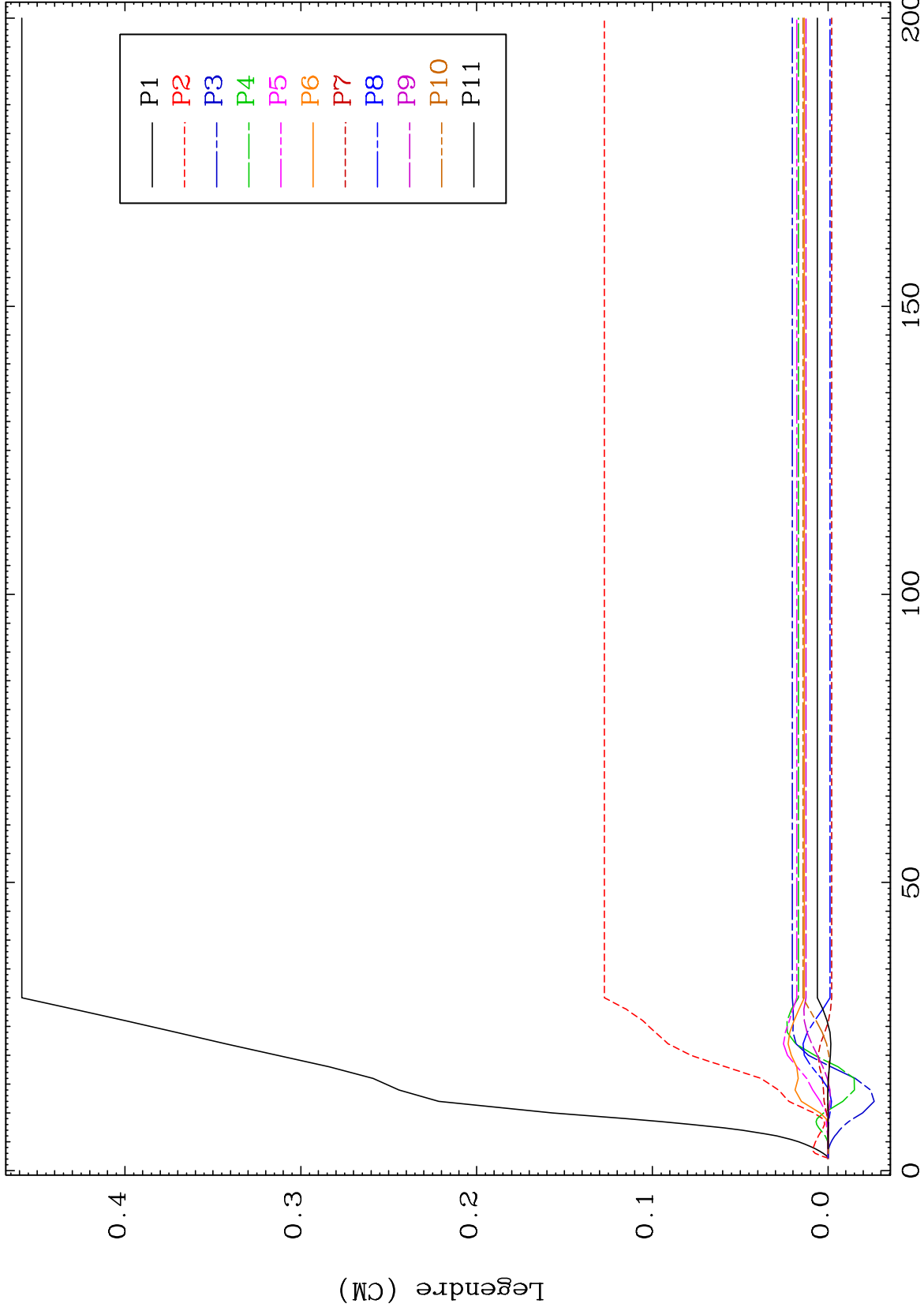
Incident Energy (MeV)

24-Cr-49

MAT 2422

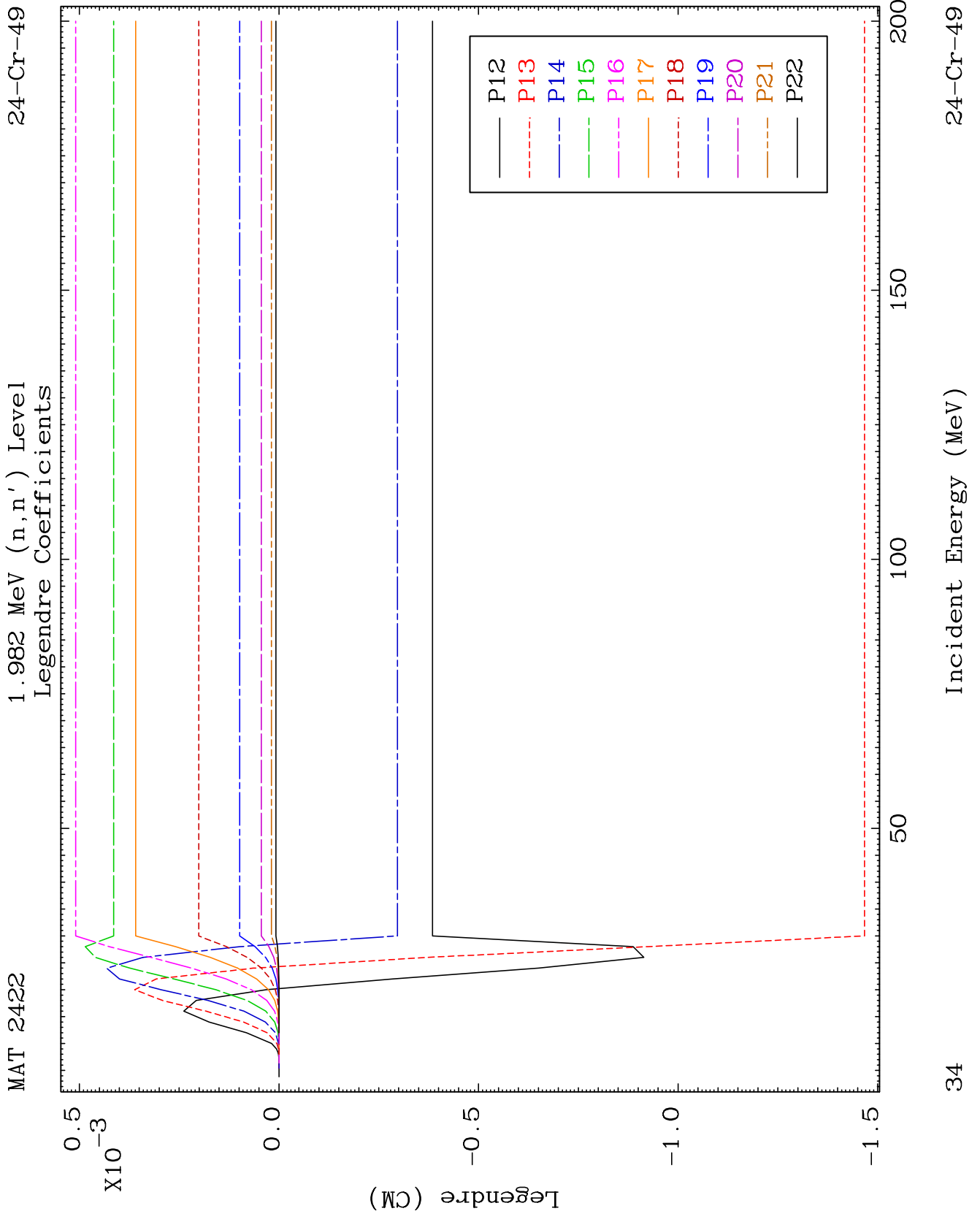
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Legendre Coefficients

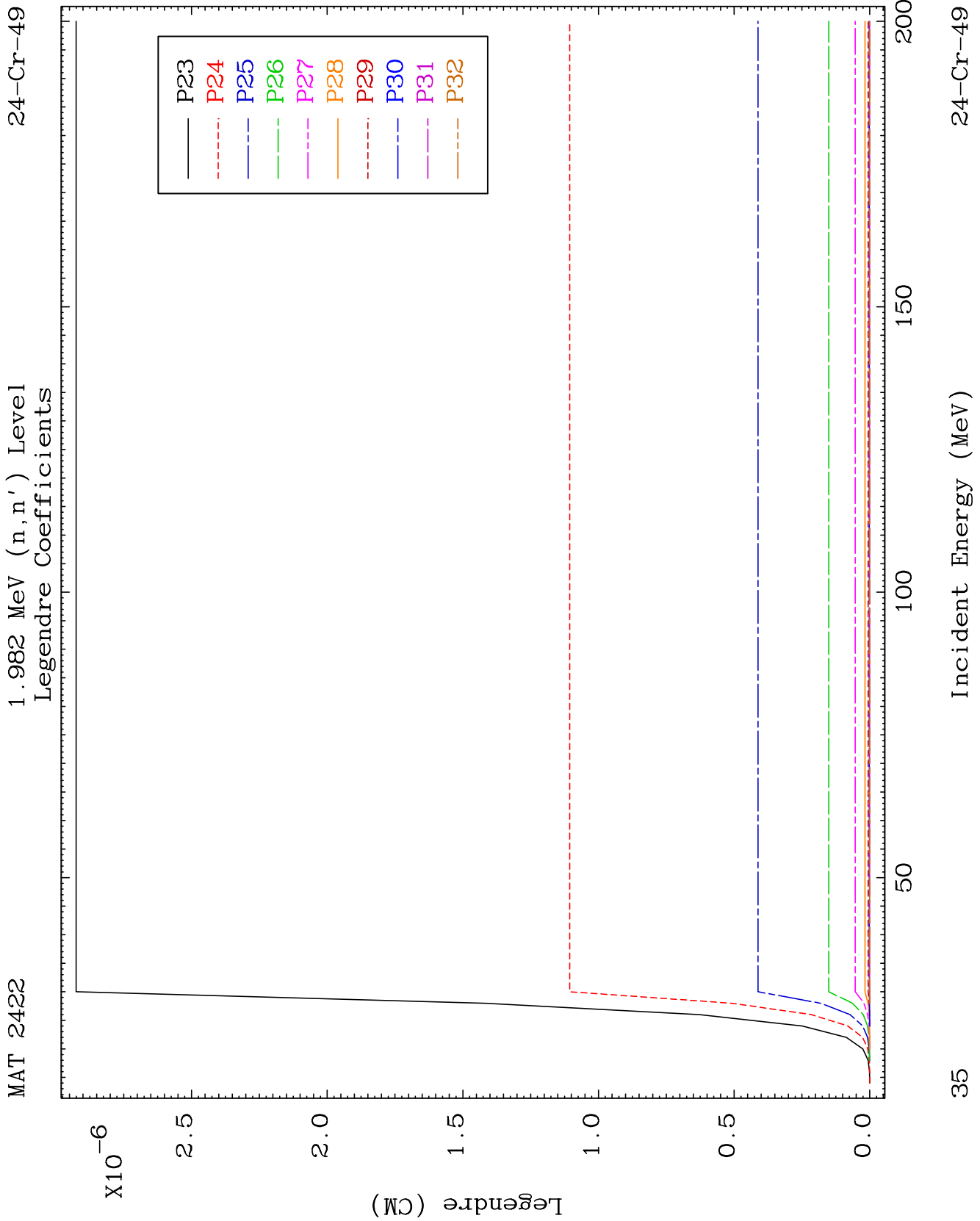
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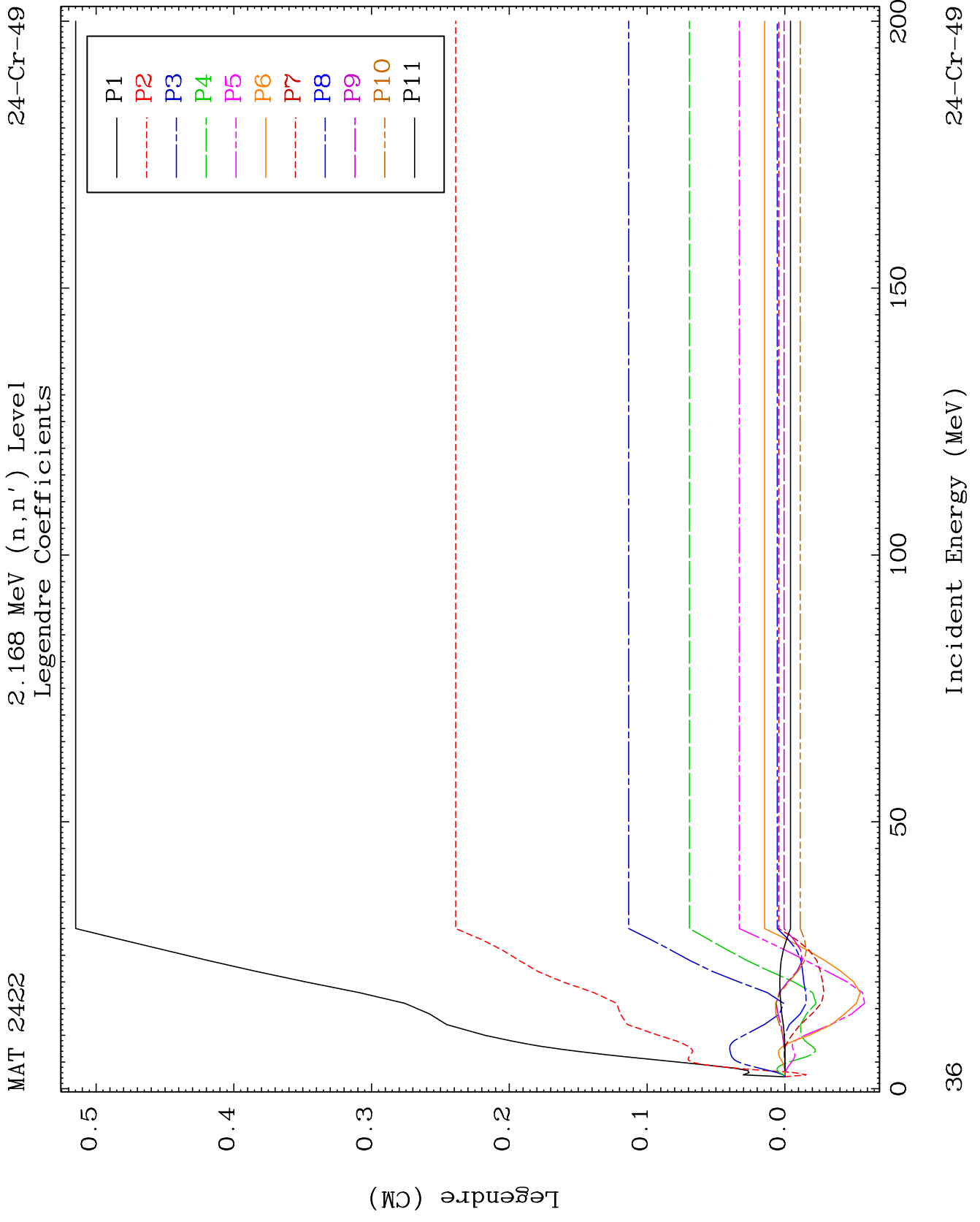


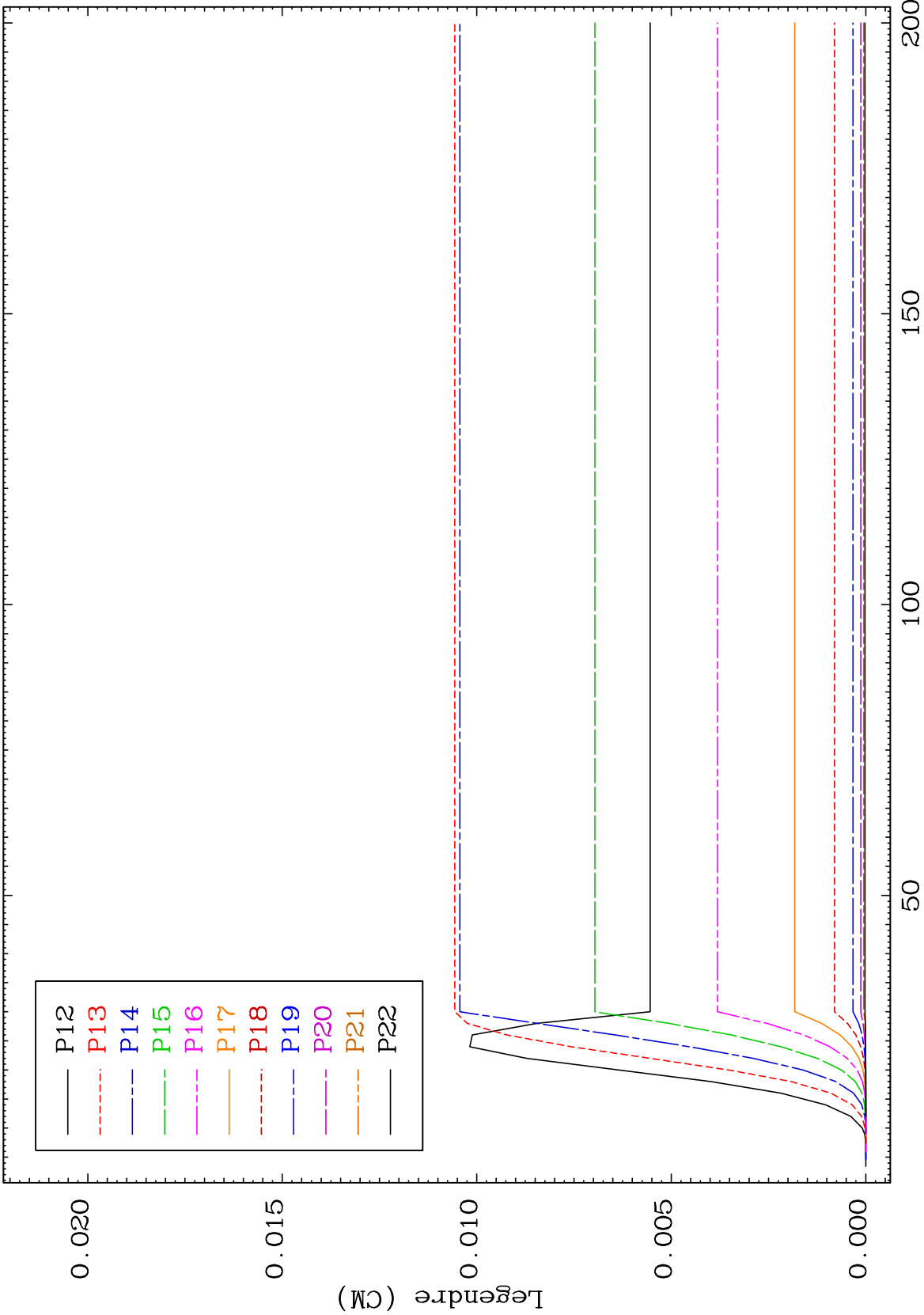
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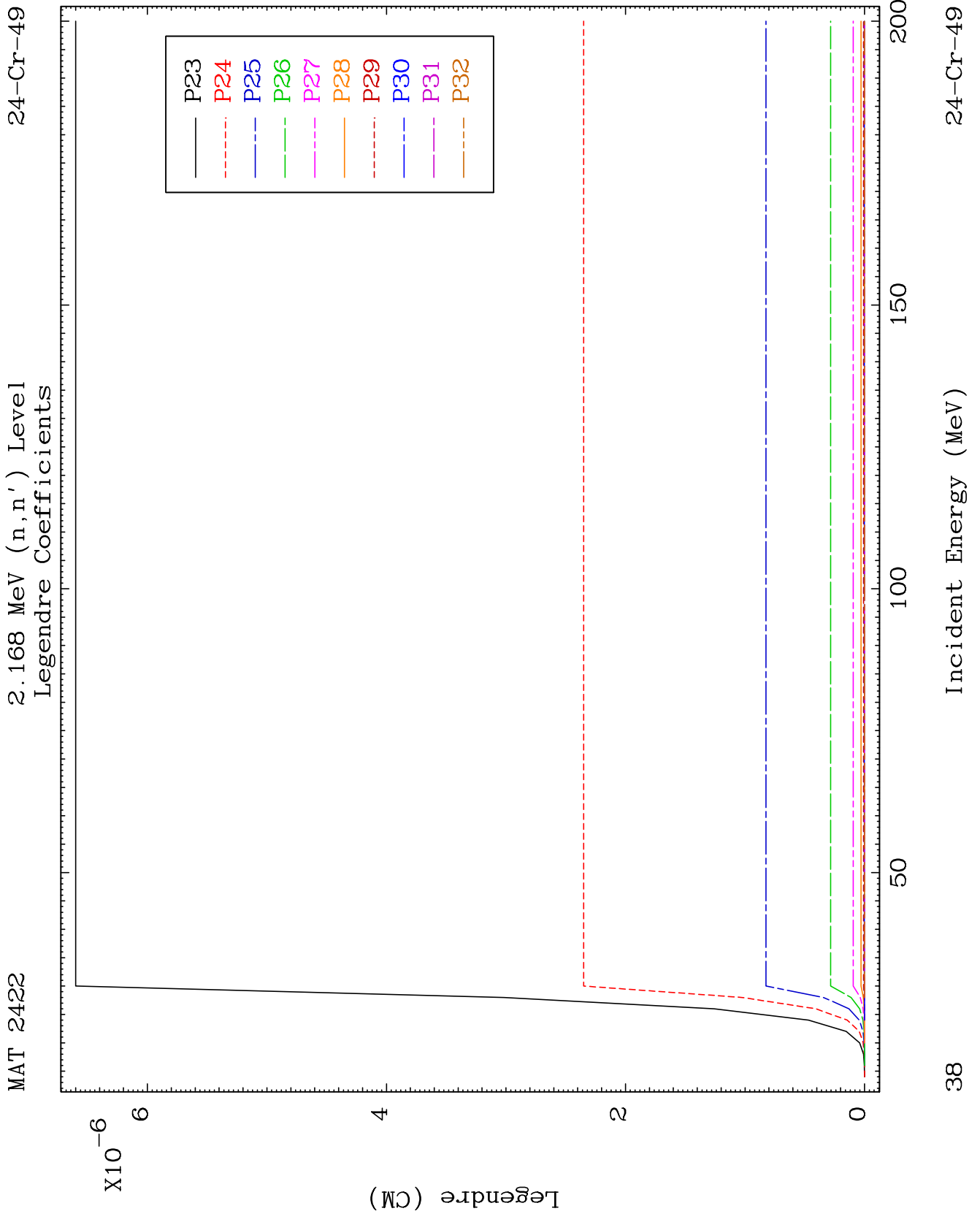
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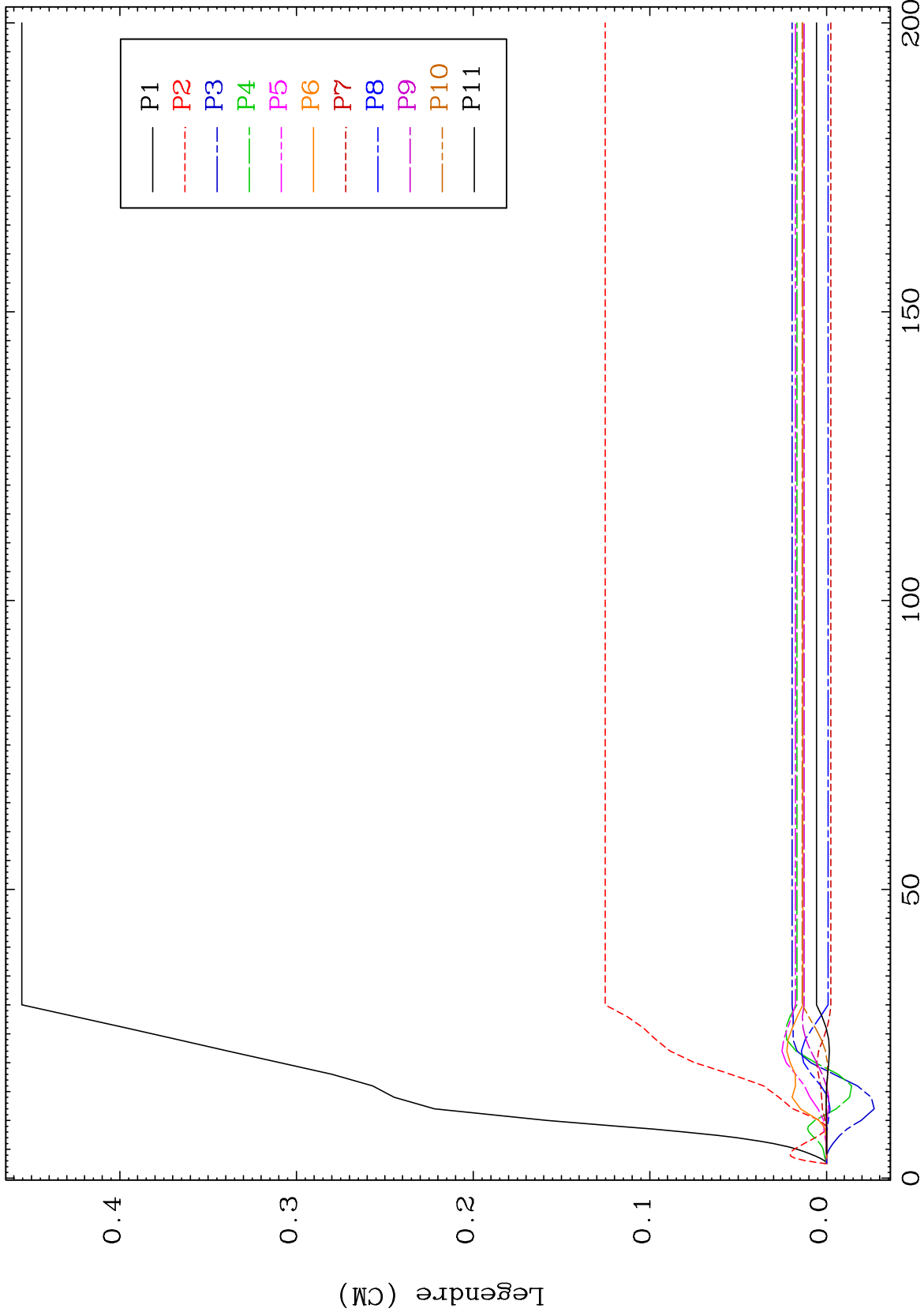




MAT 2422

2.432 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49

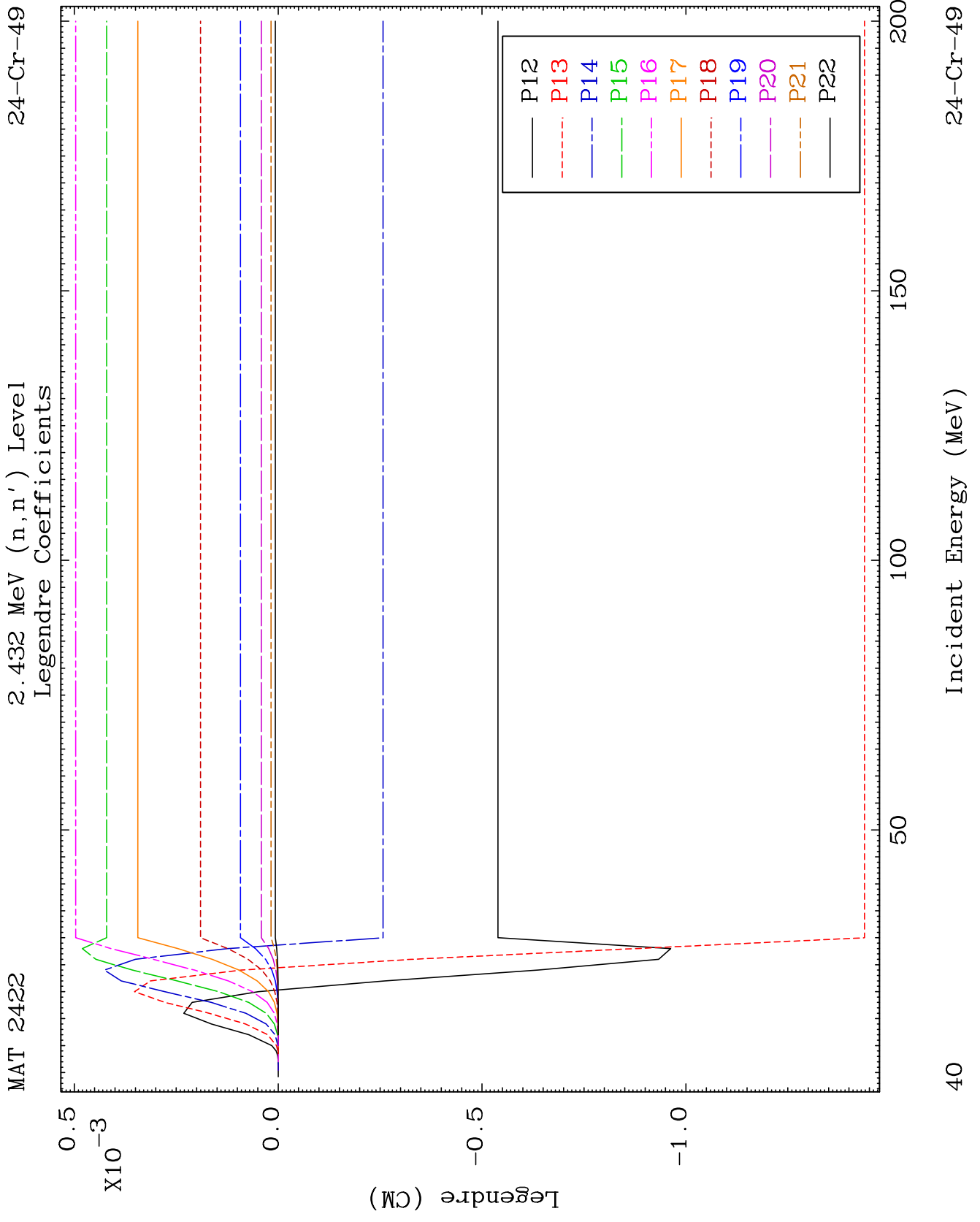


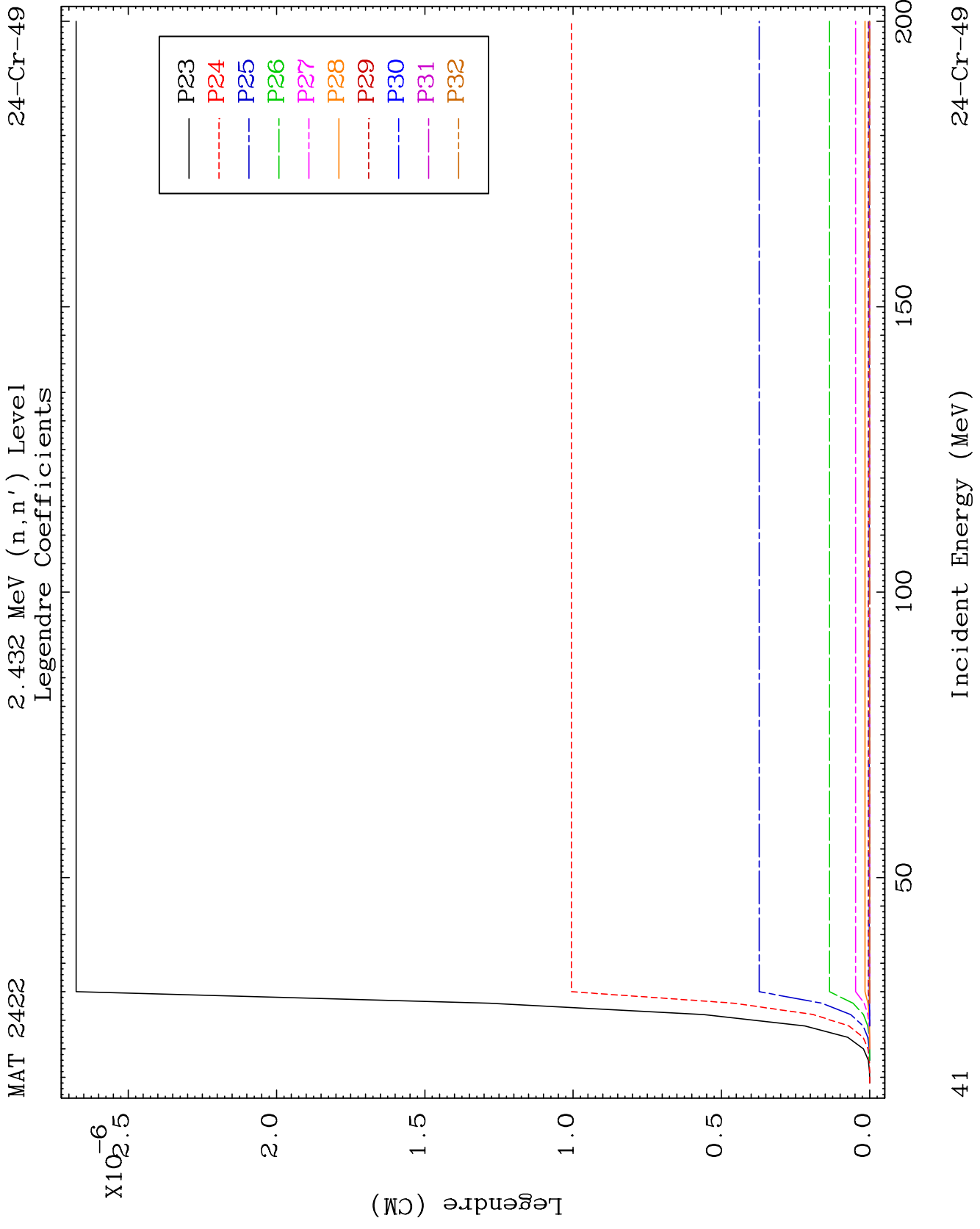
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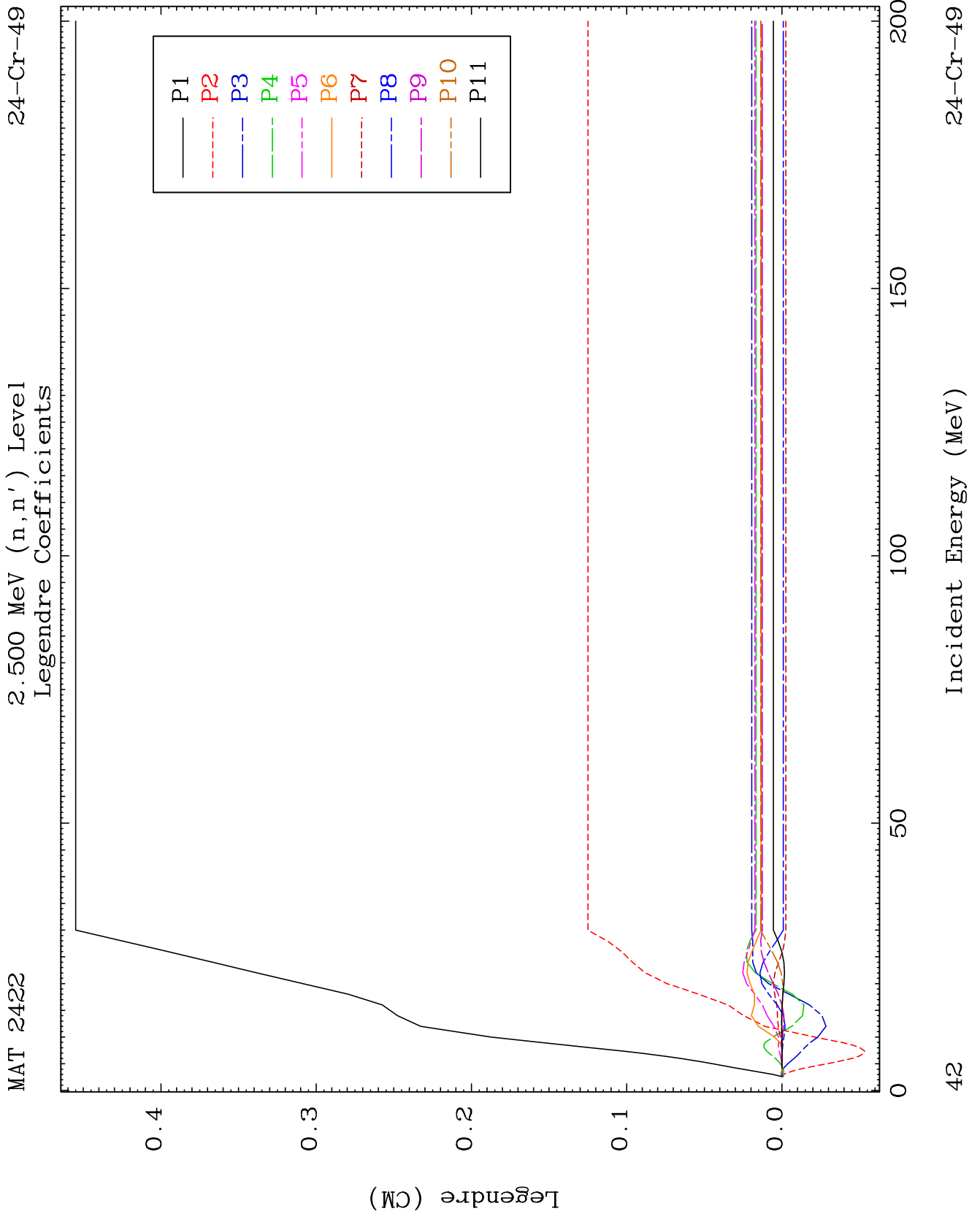
Incident Energy (MeV)

24-Cr-49





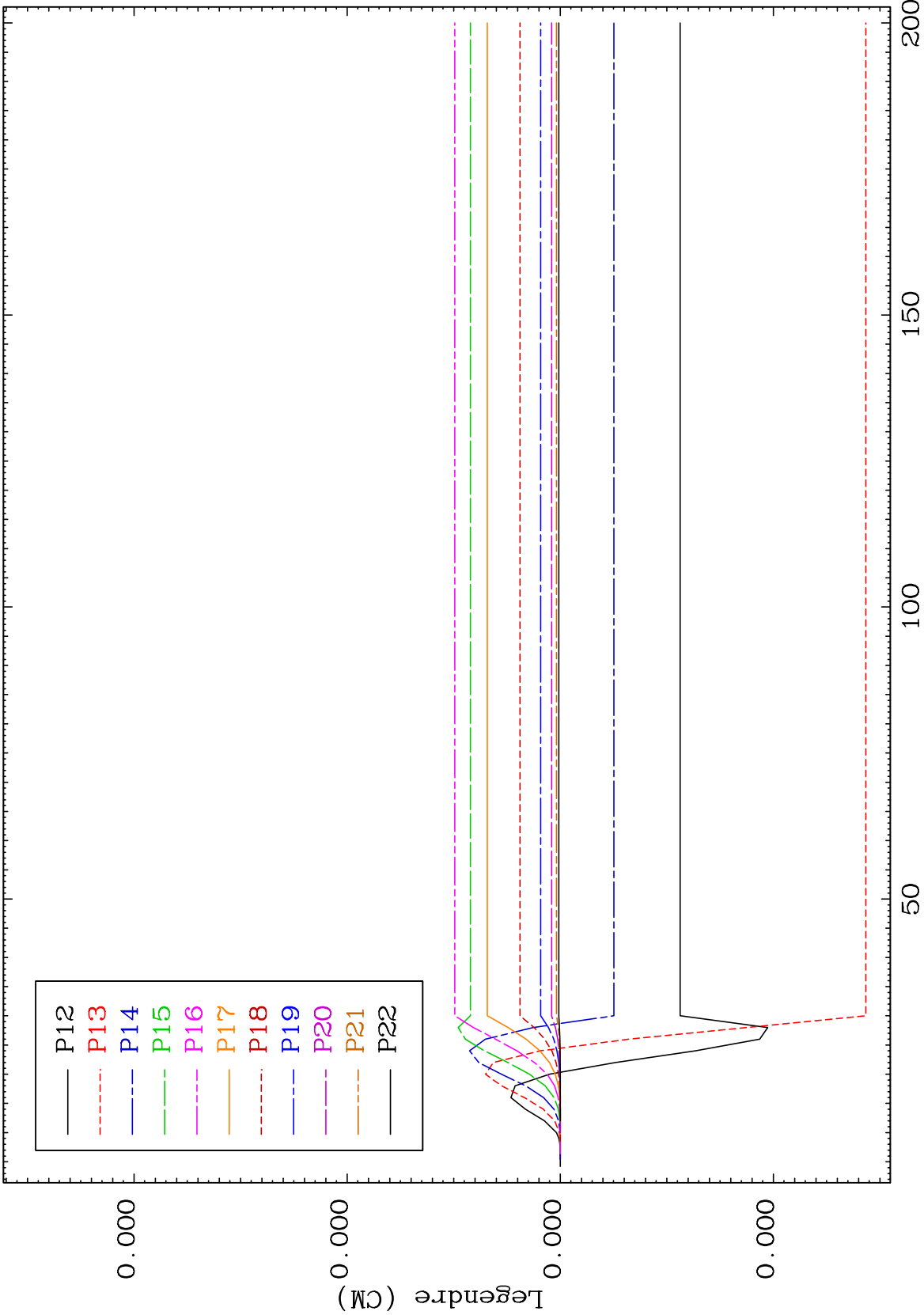


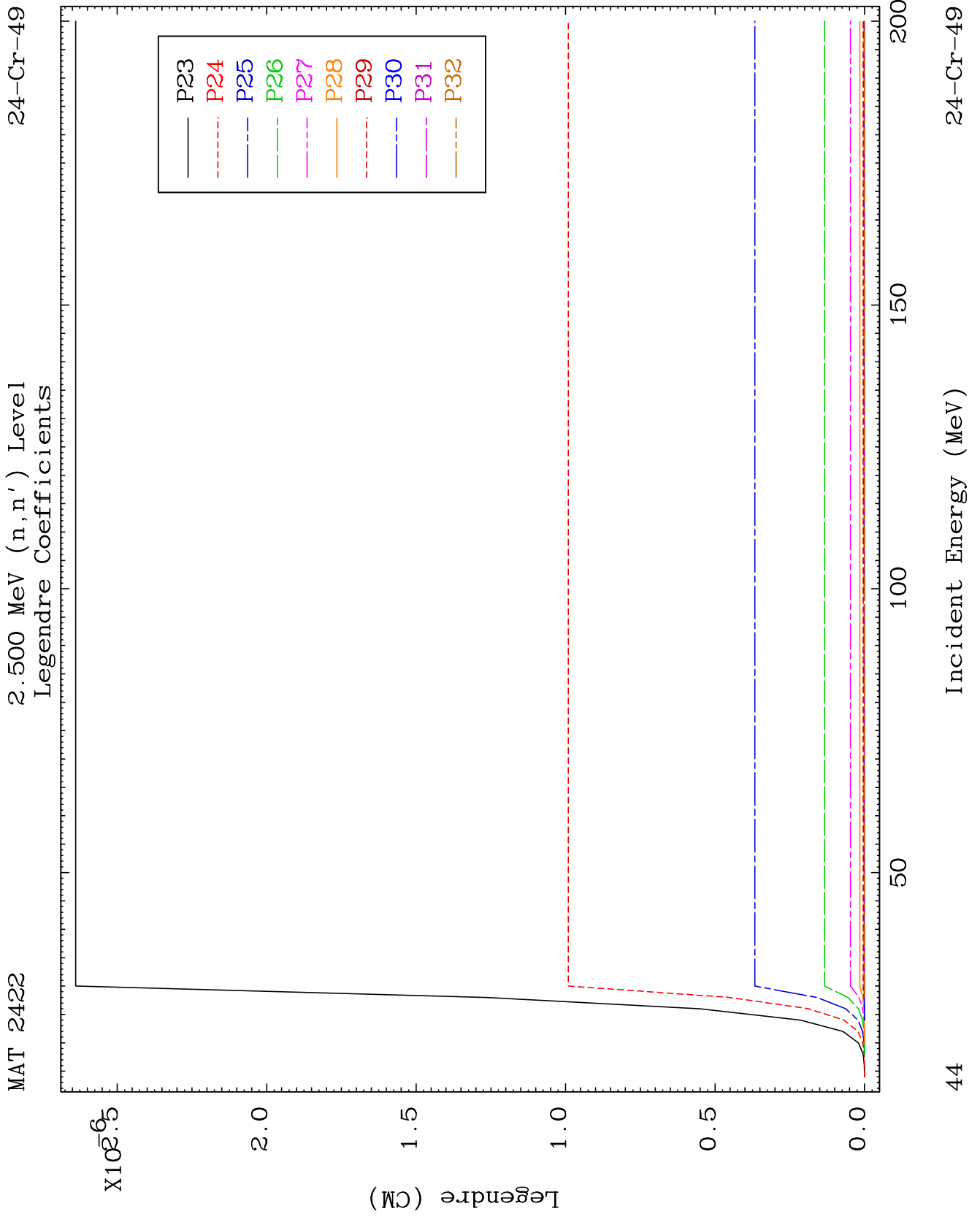


MAT 2422

2.500 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49

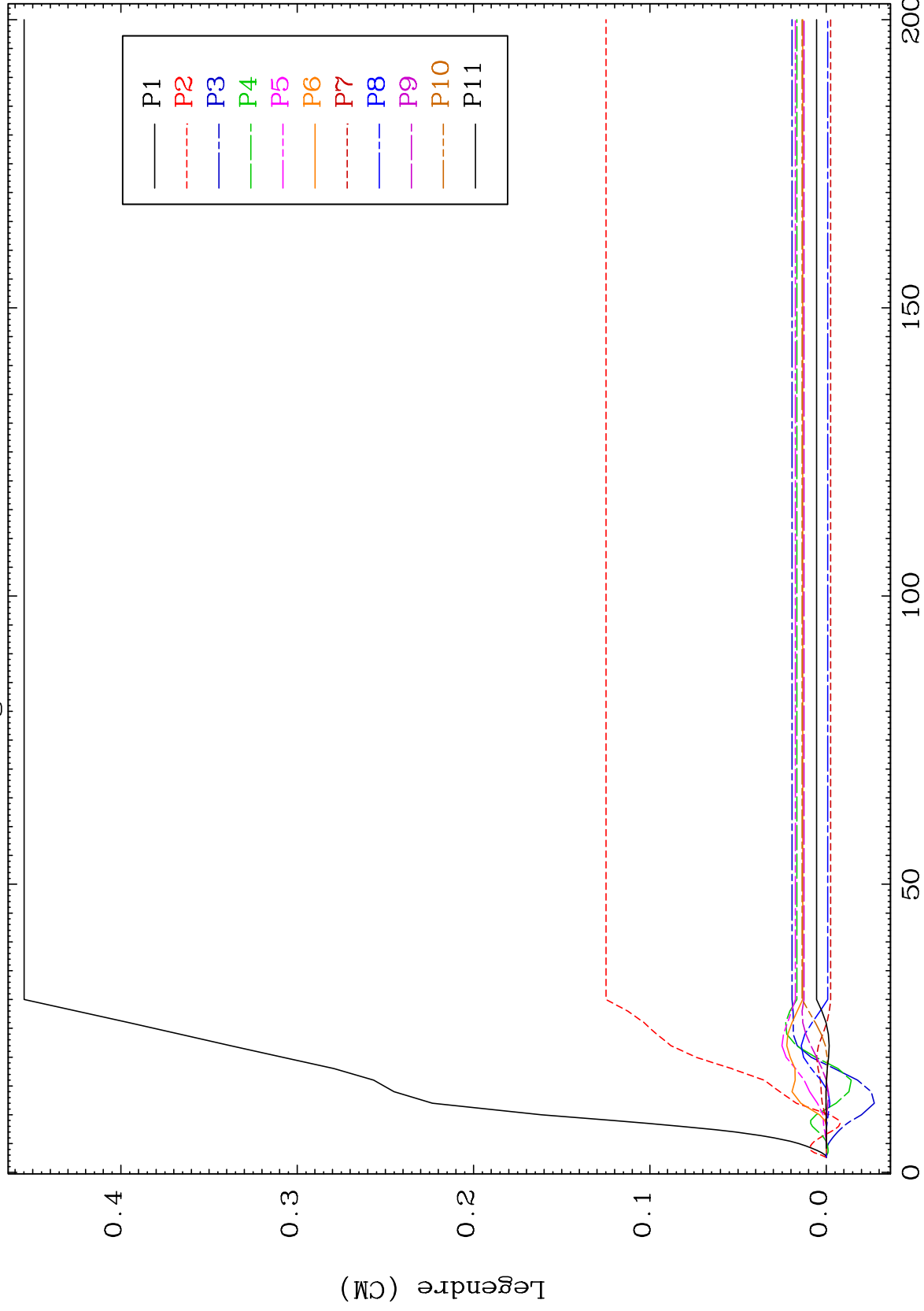




MAT 2422

2.503 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



24-Cr-49

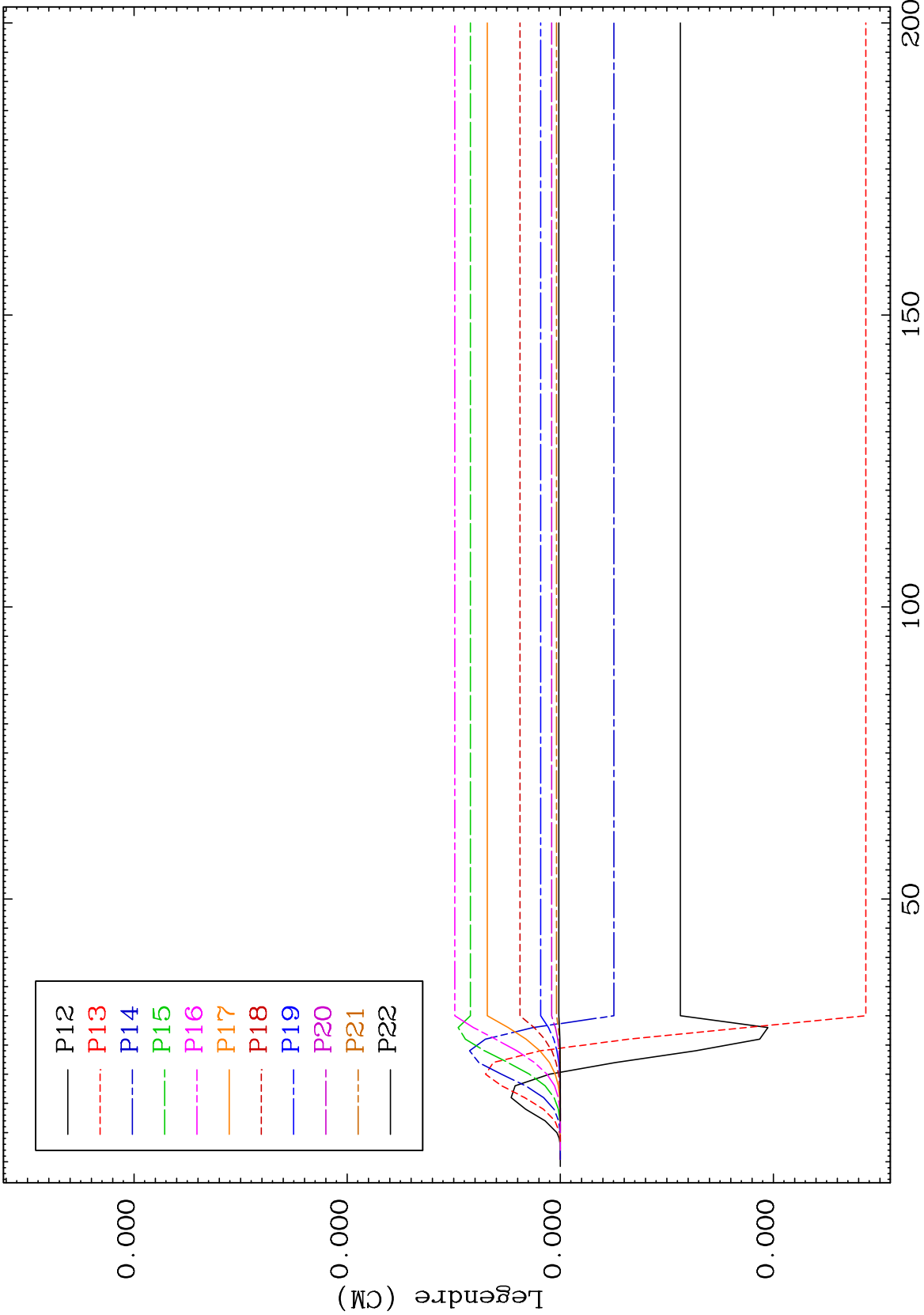
Incident Energy (MeV)

45

MAT 2422

2.503 MeV (n,n') Level  
Legendre Coefficients

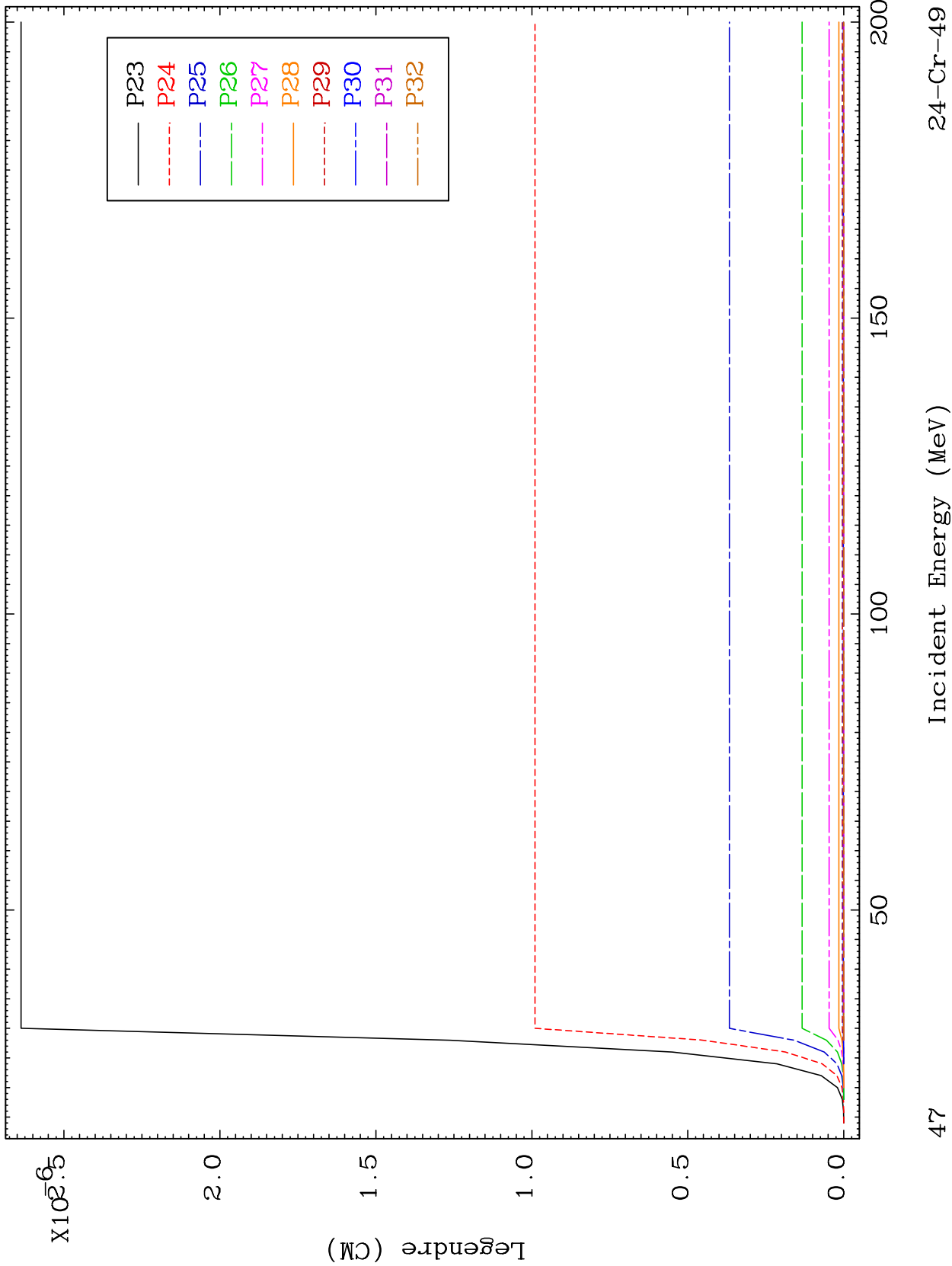
24-Cr-49



MAT 2422

2.503 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



47

Incident Energy (MeV)

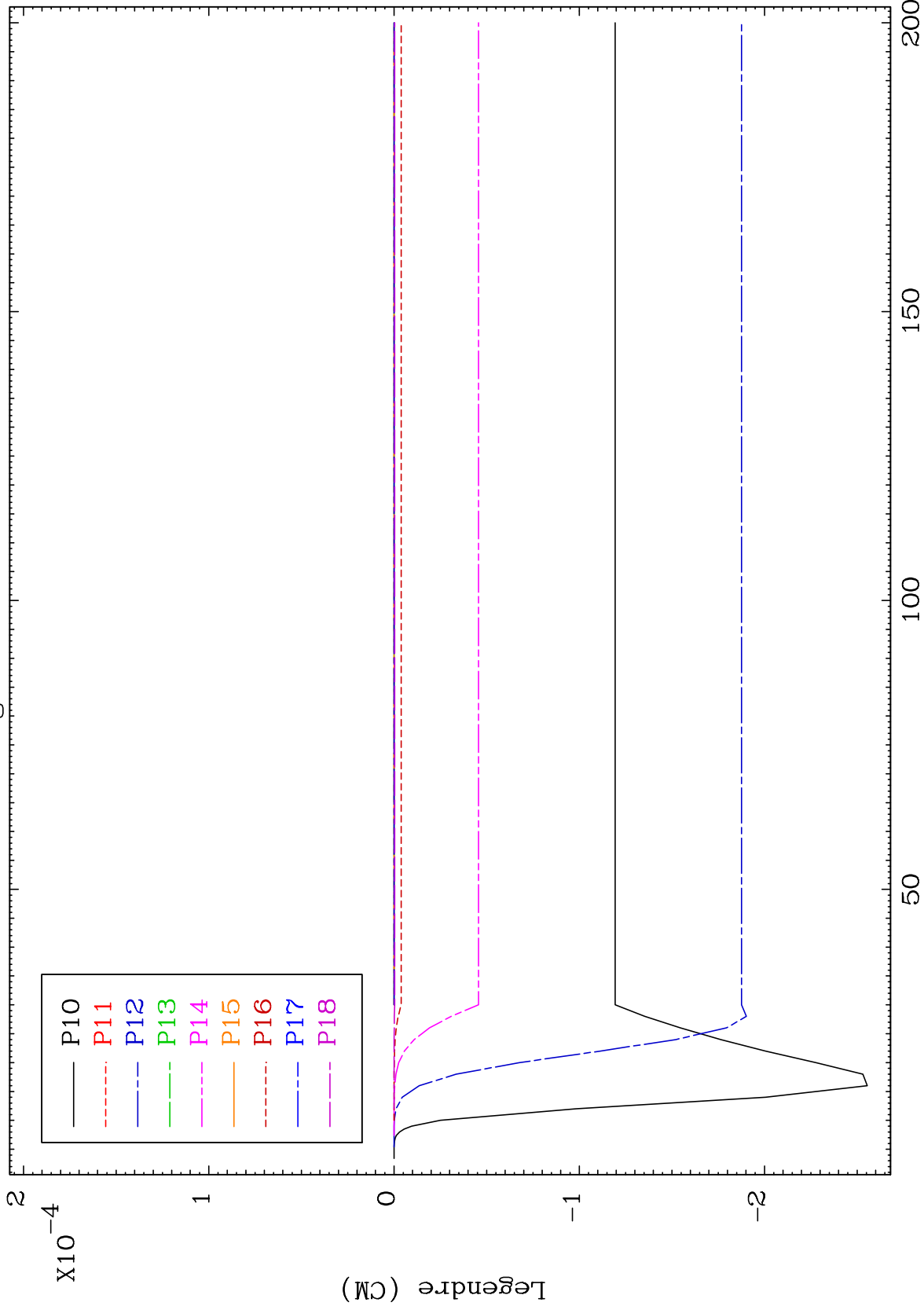
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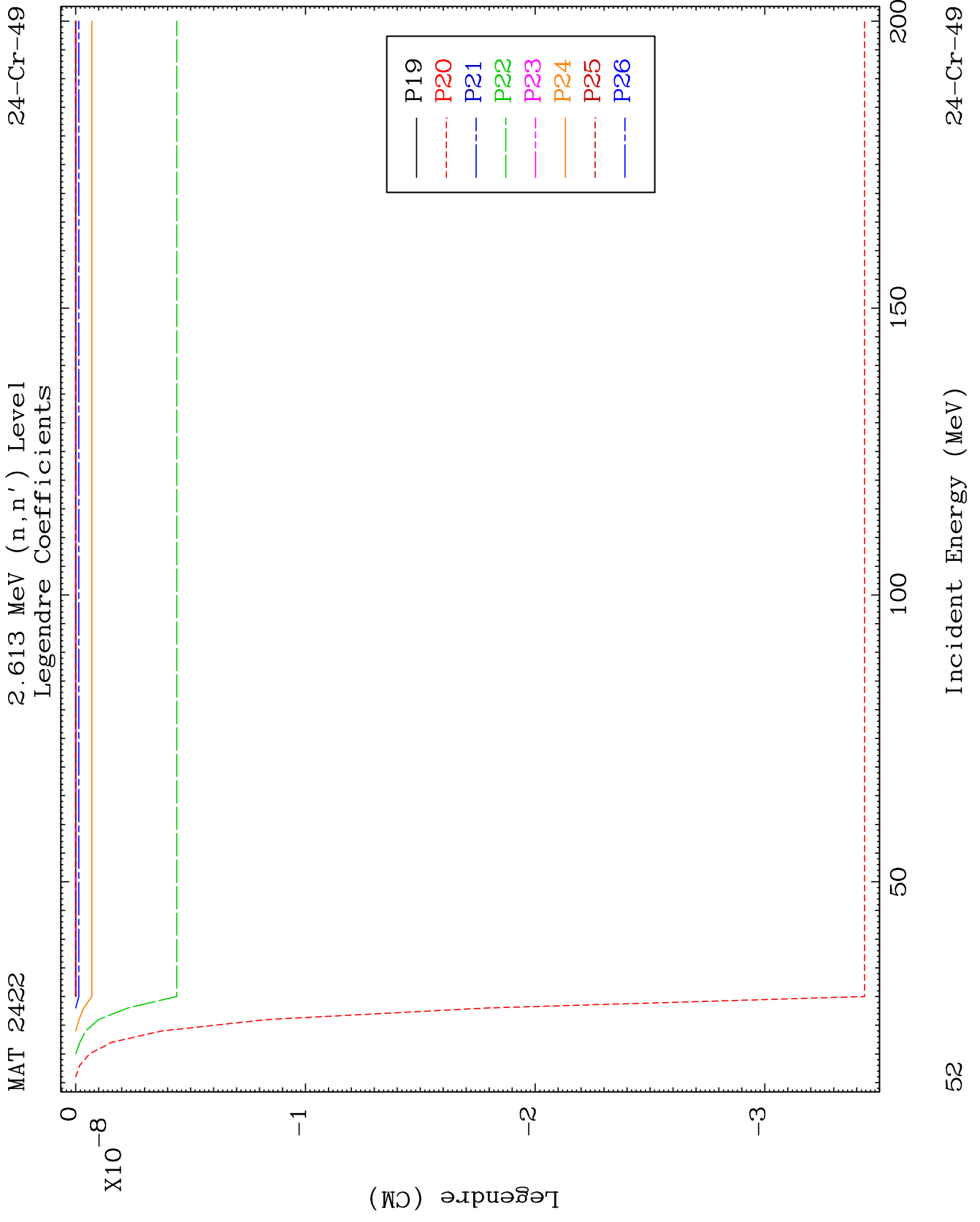


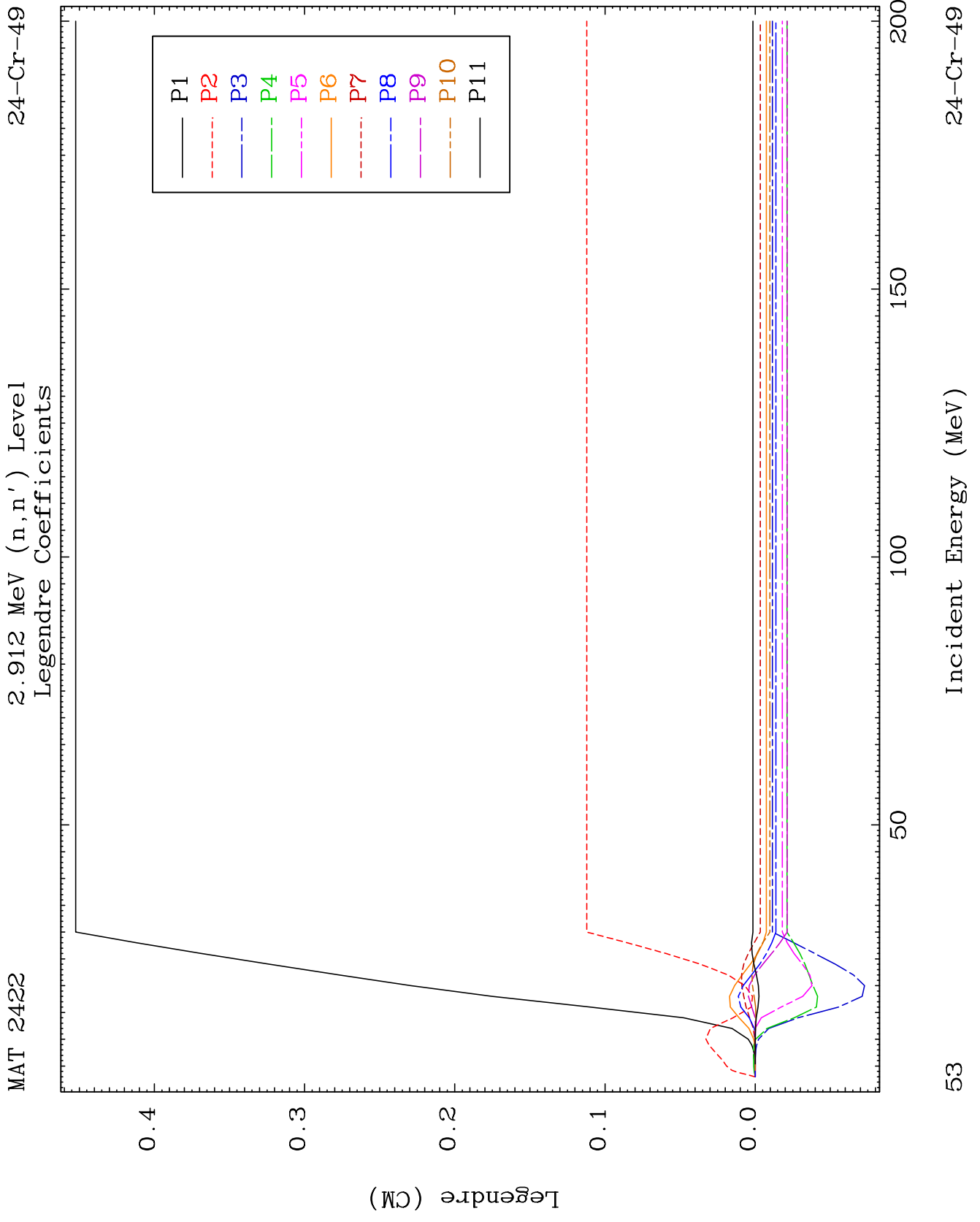


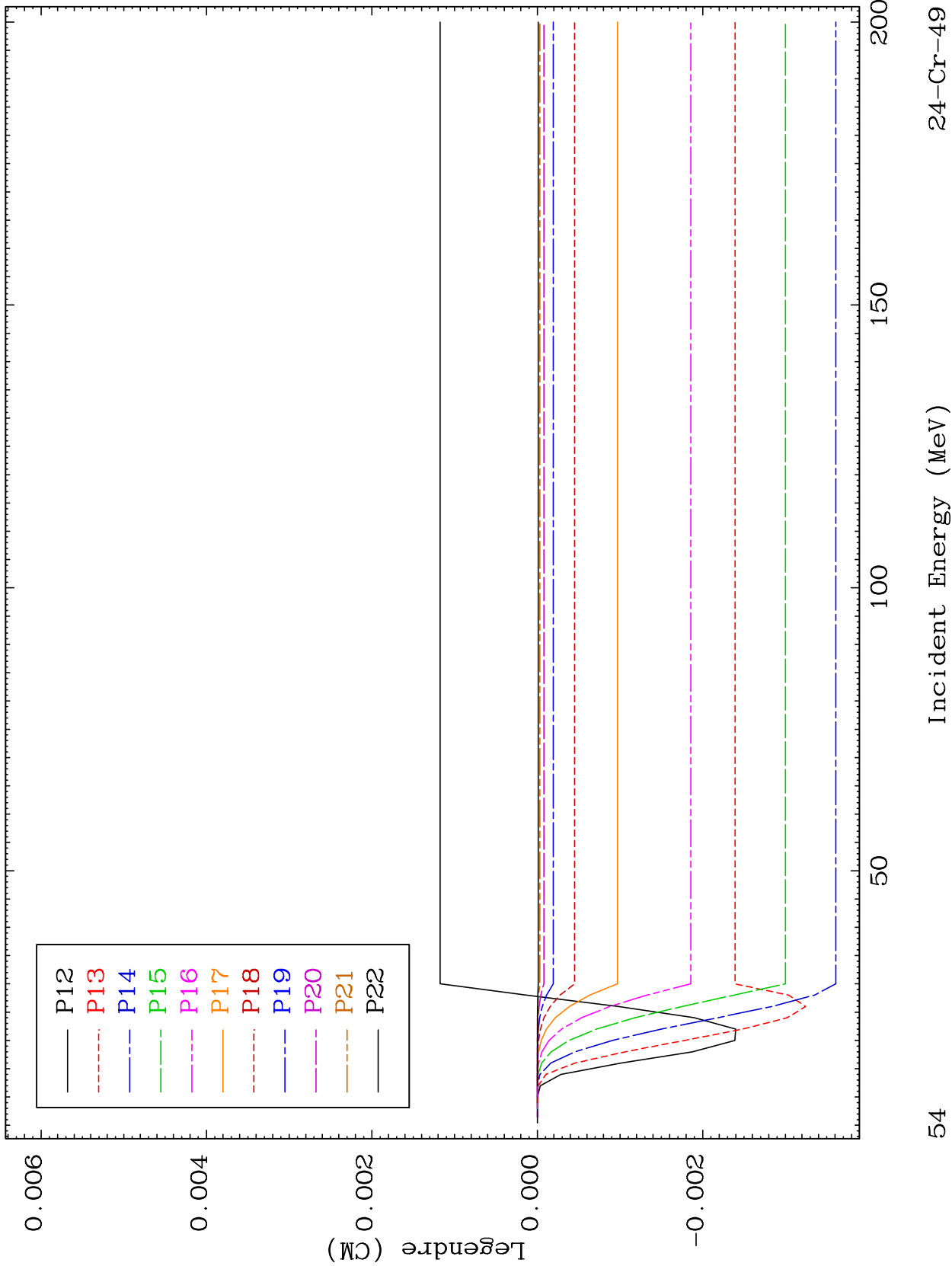


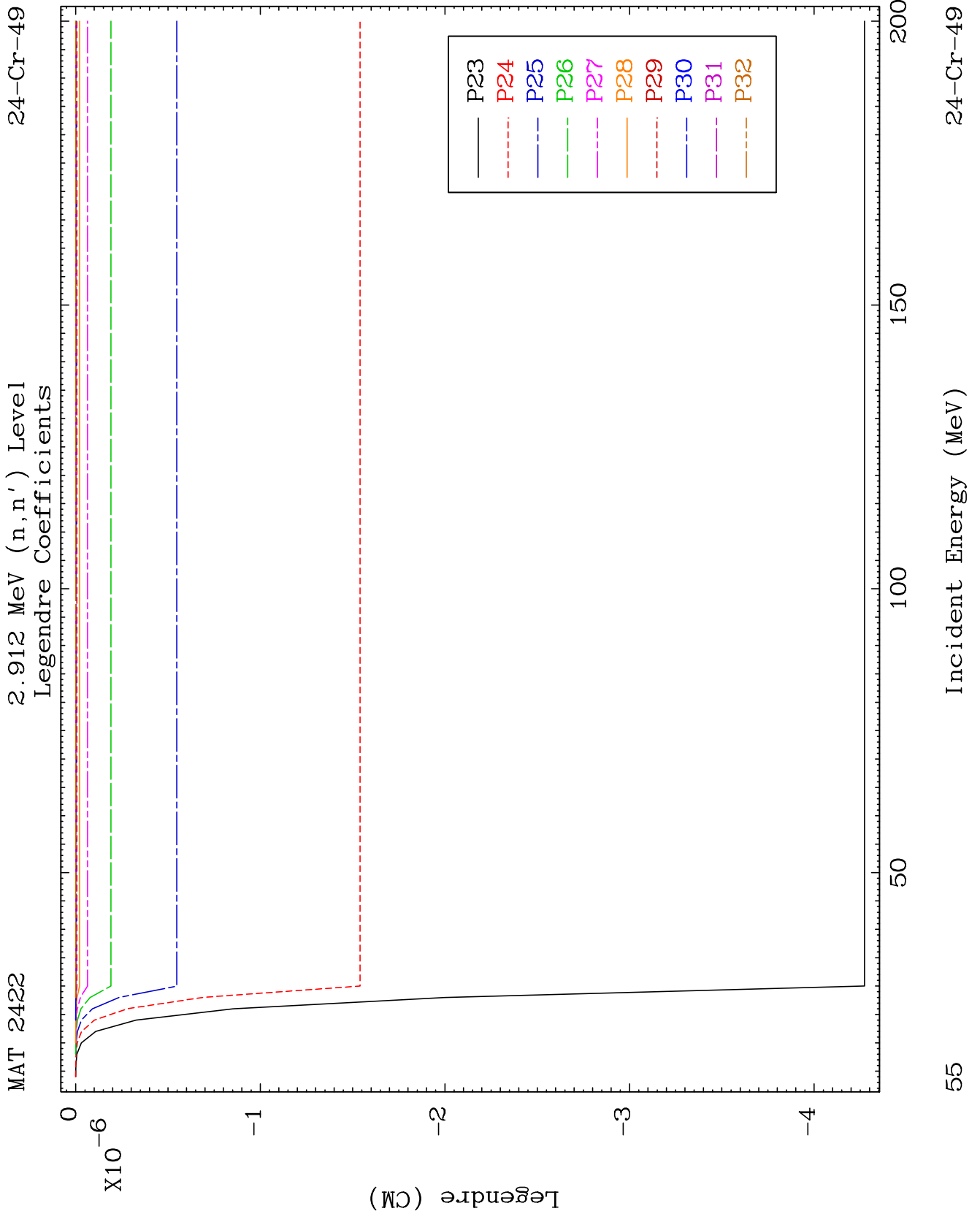




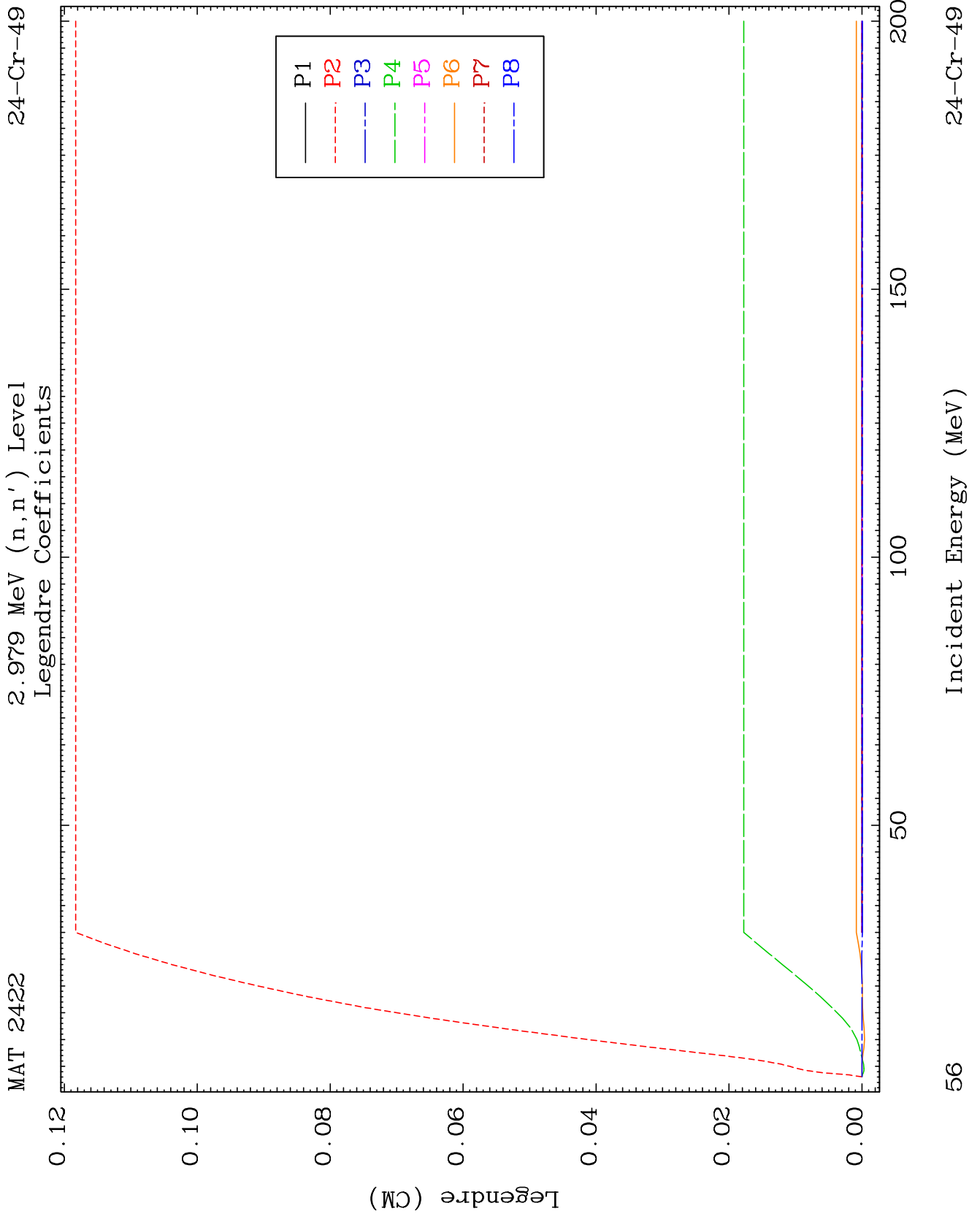


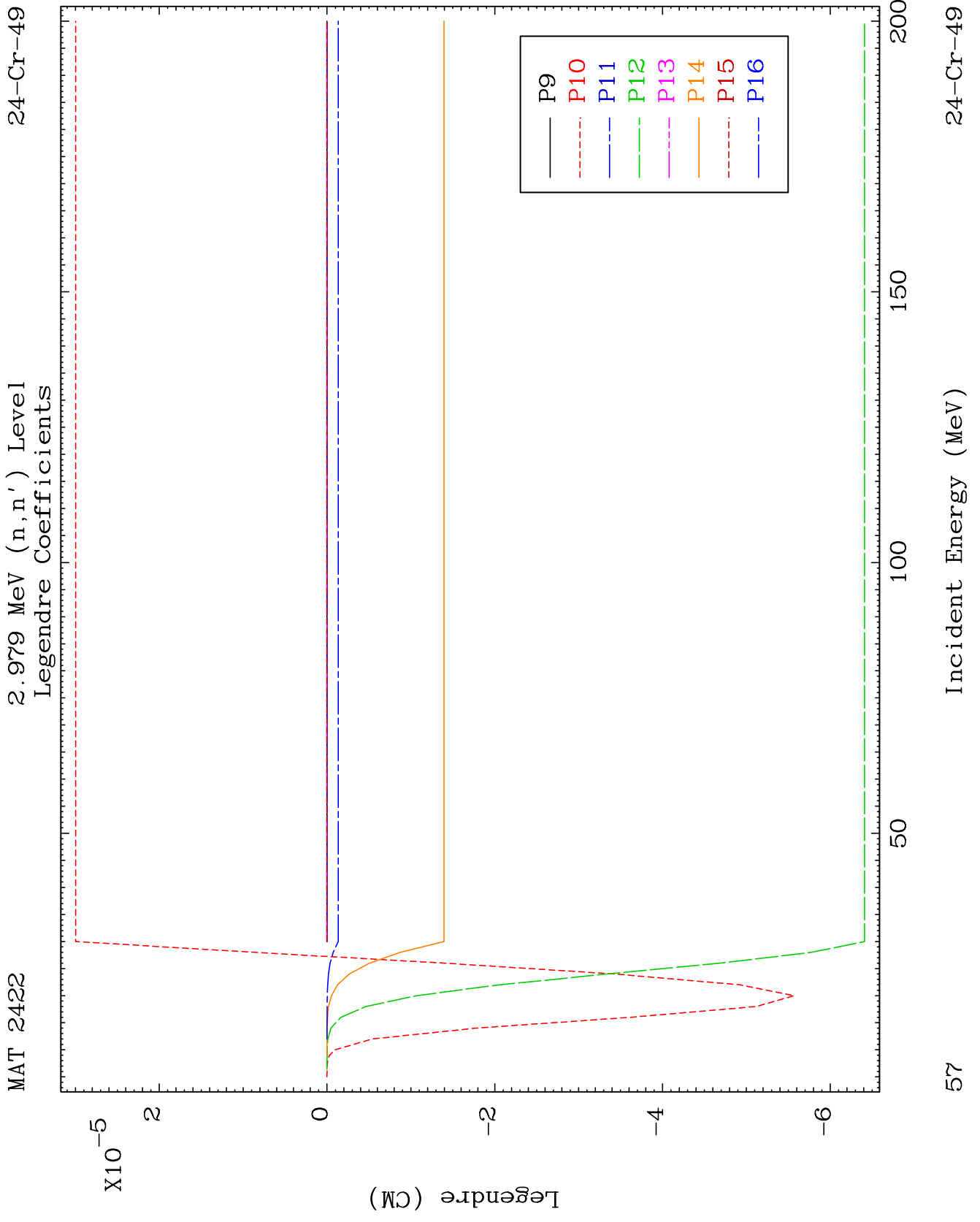










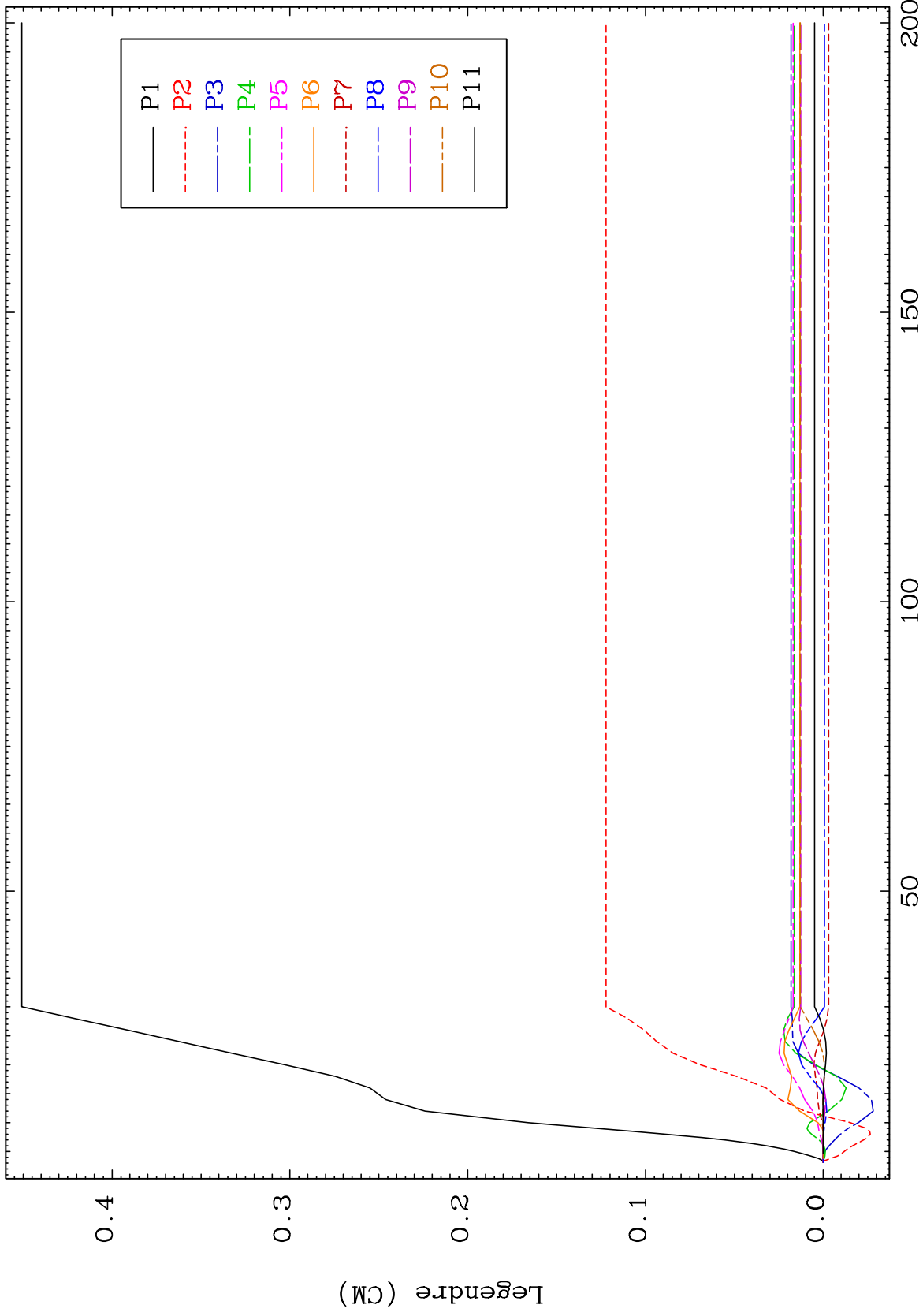




MAT 2422

3.052 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



59

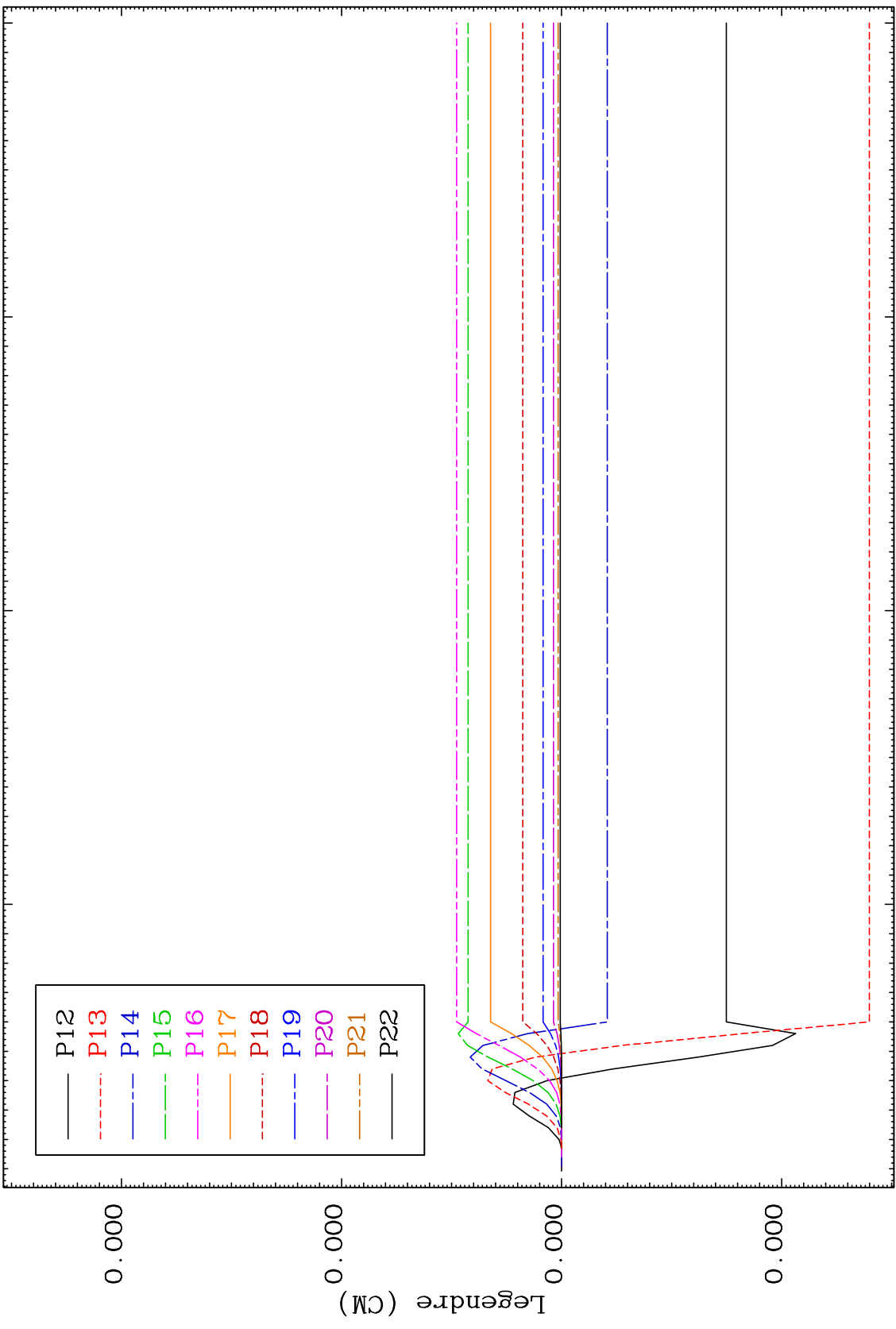
Incident Energy (MeV)

24-Cr-49

MAT 2422

3.052 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



60

Incident Energy (MeV)

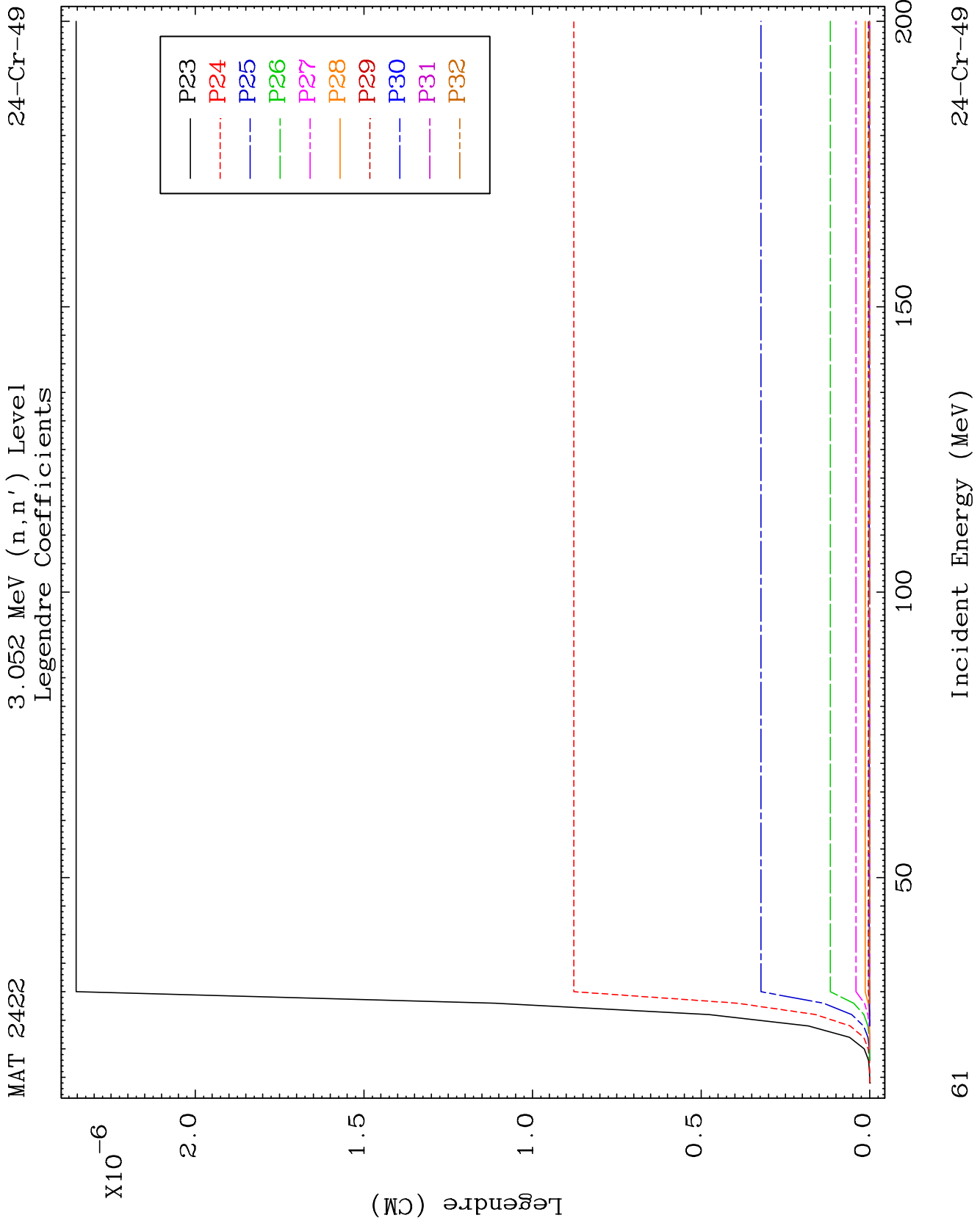
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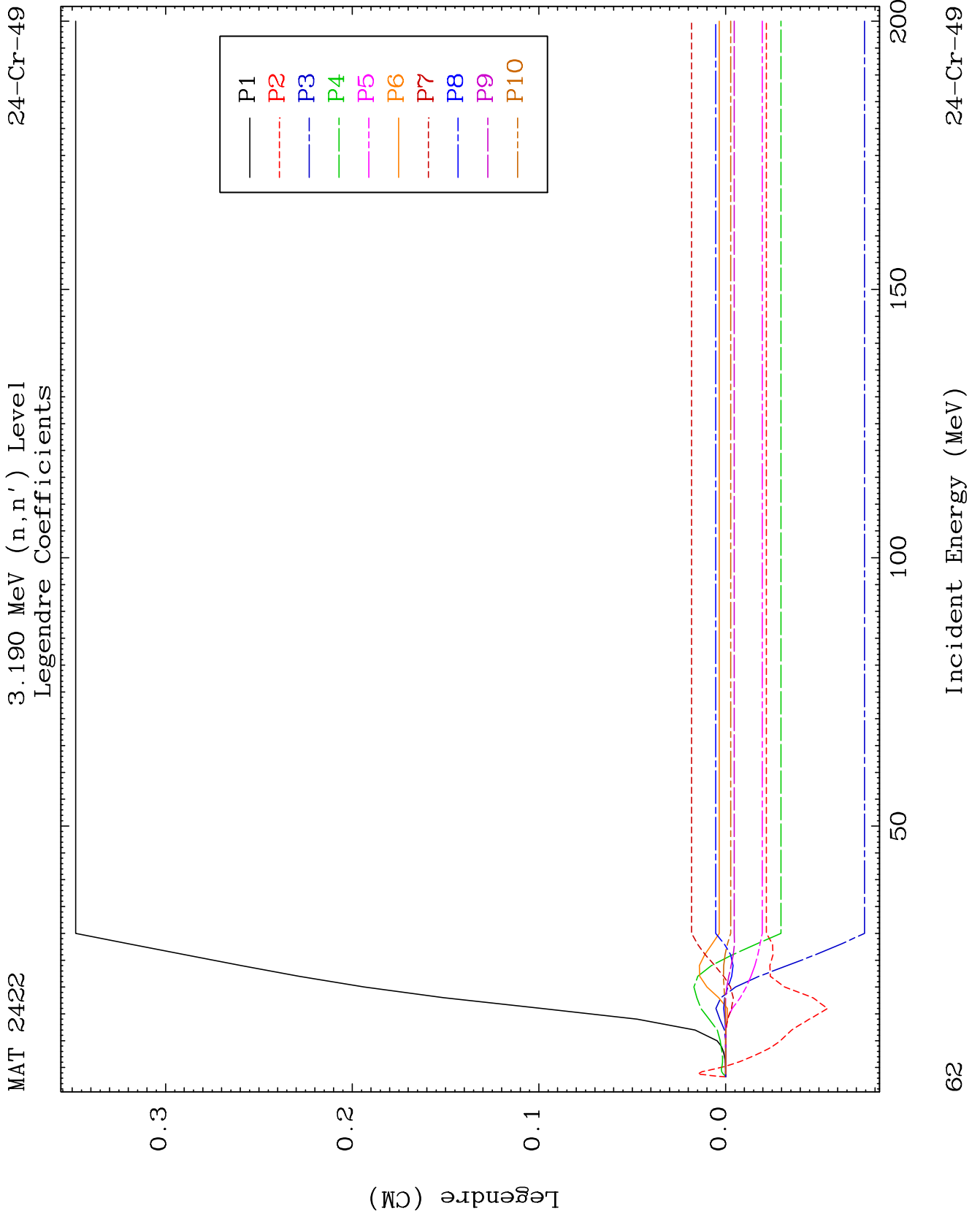
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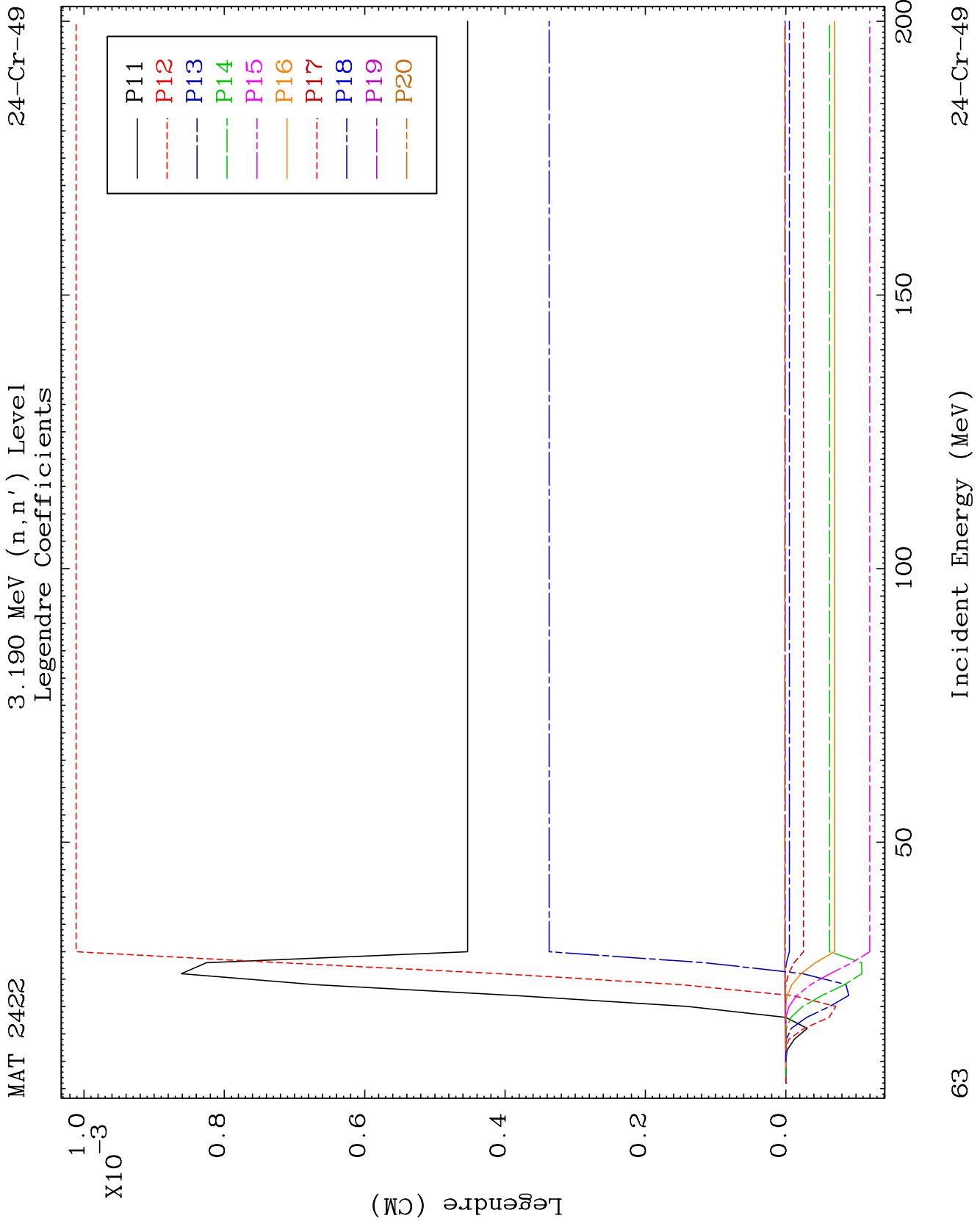
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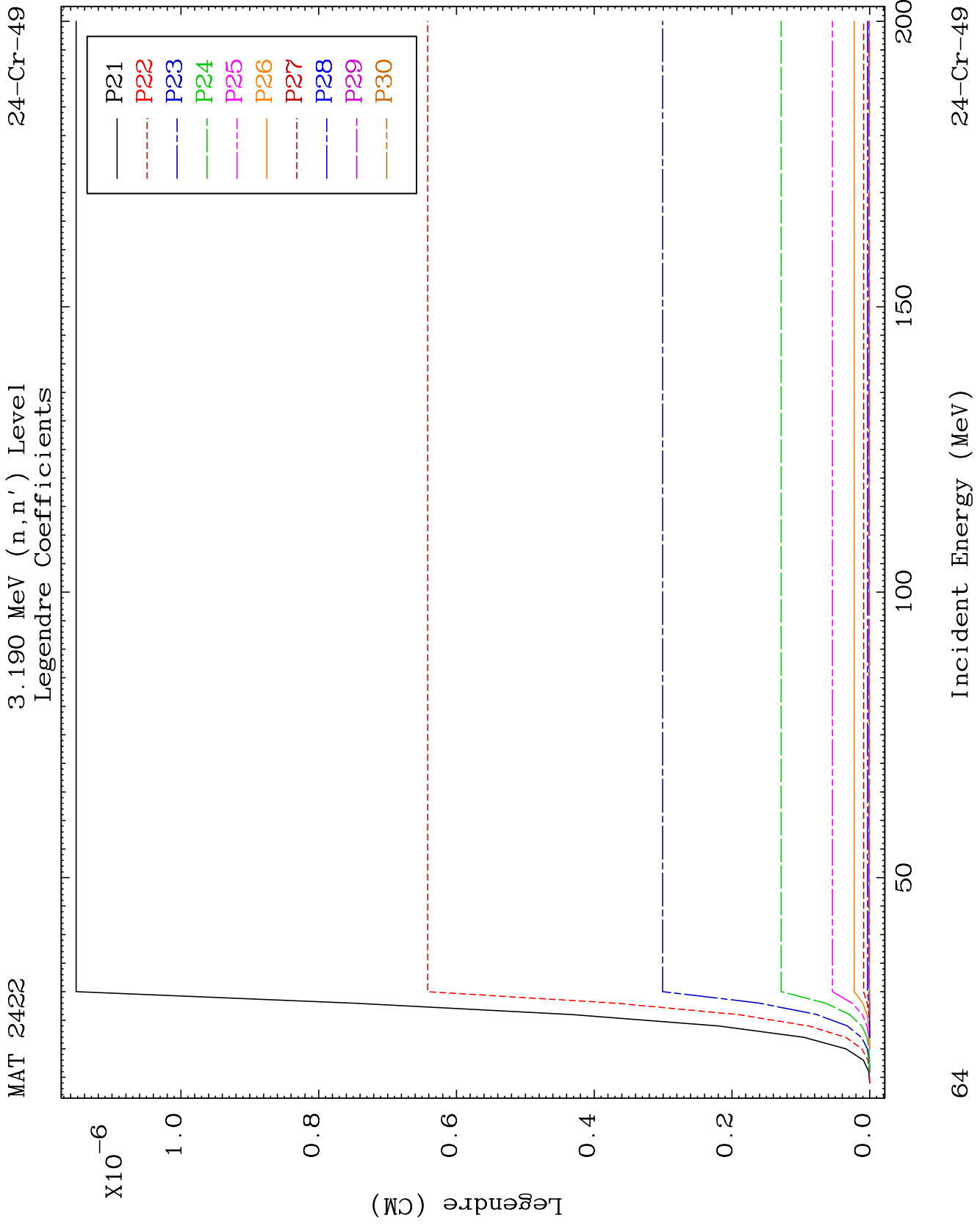
24-Cr-49







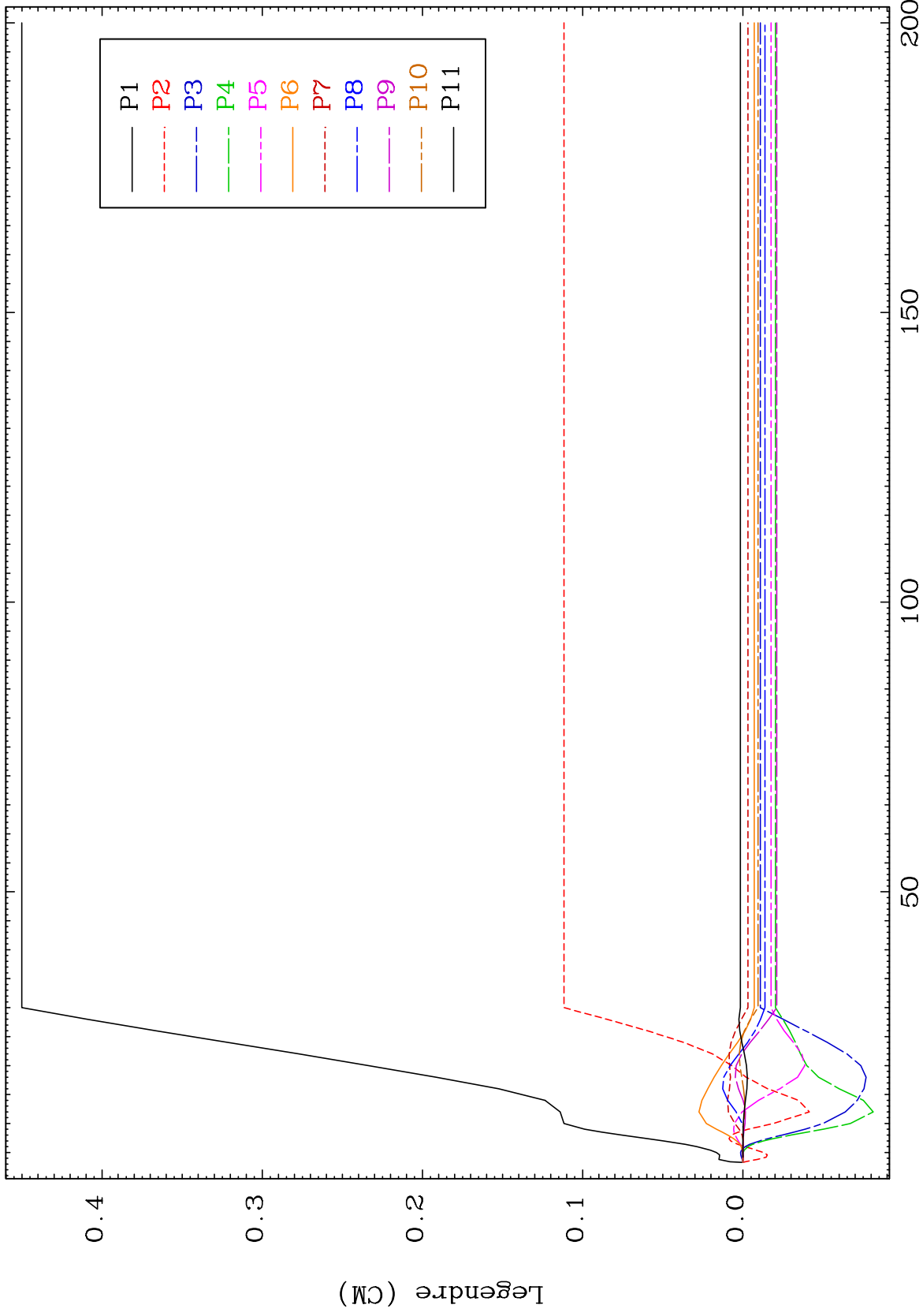




MAT 2422

3.202 MeV (n,n') Level  
Legendre Coefficients

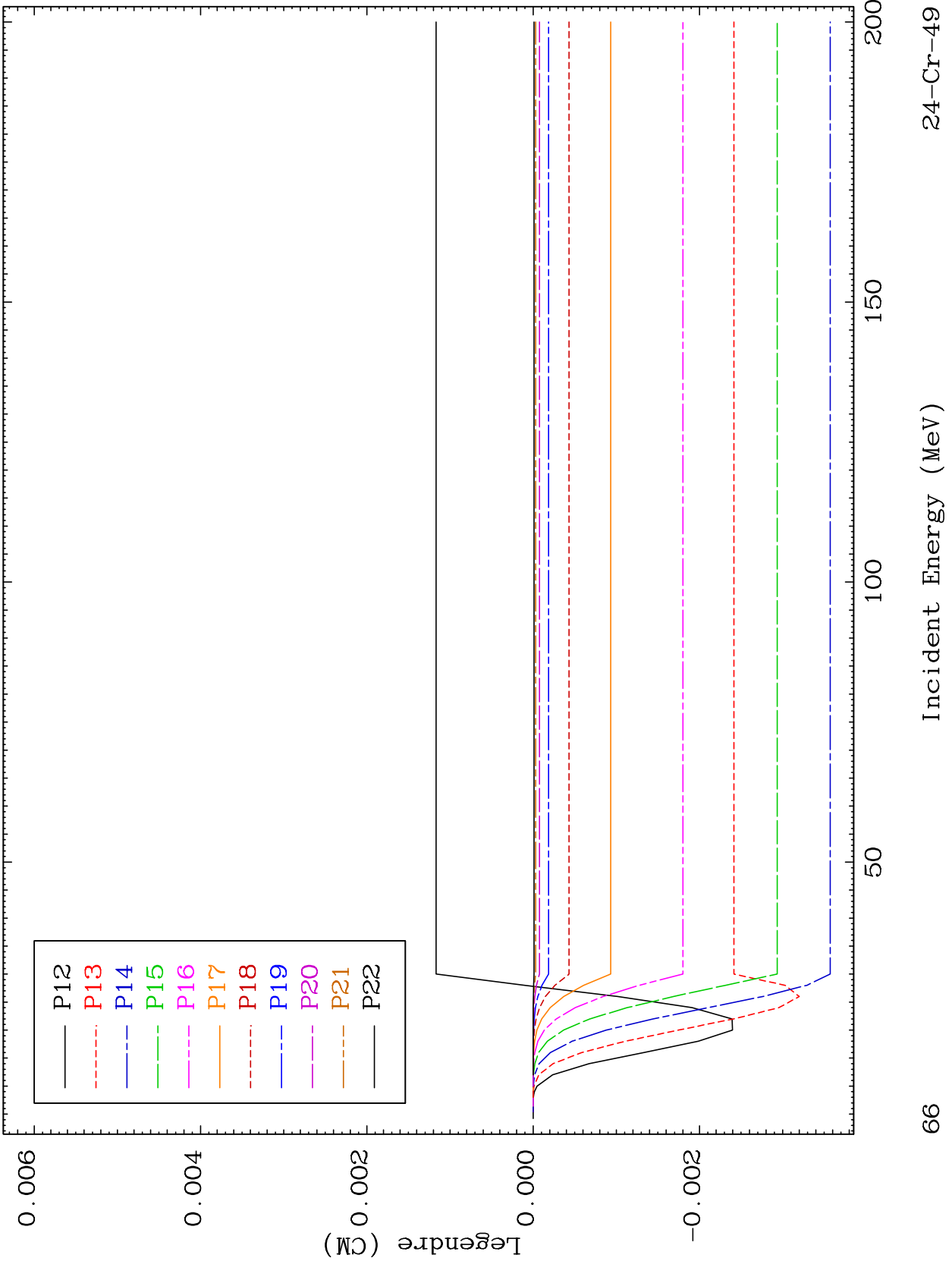
24-Cr-49



65

Incident Energy (MeV)

24-Cr-49

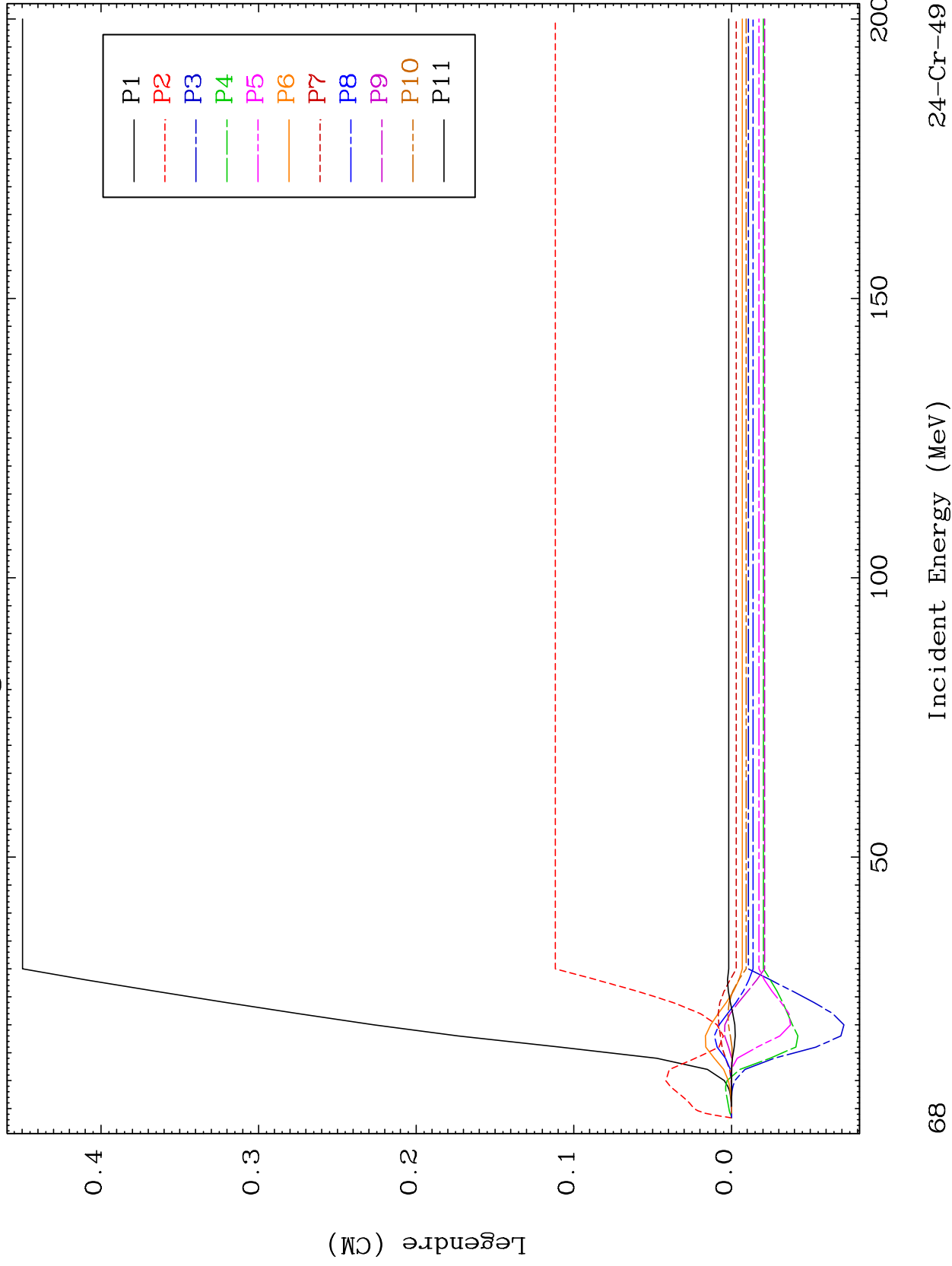




MAT 2422

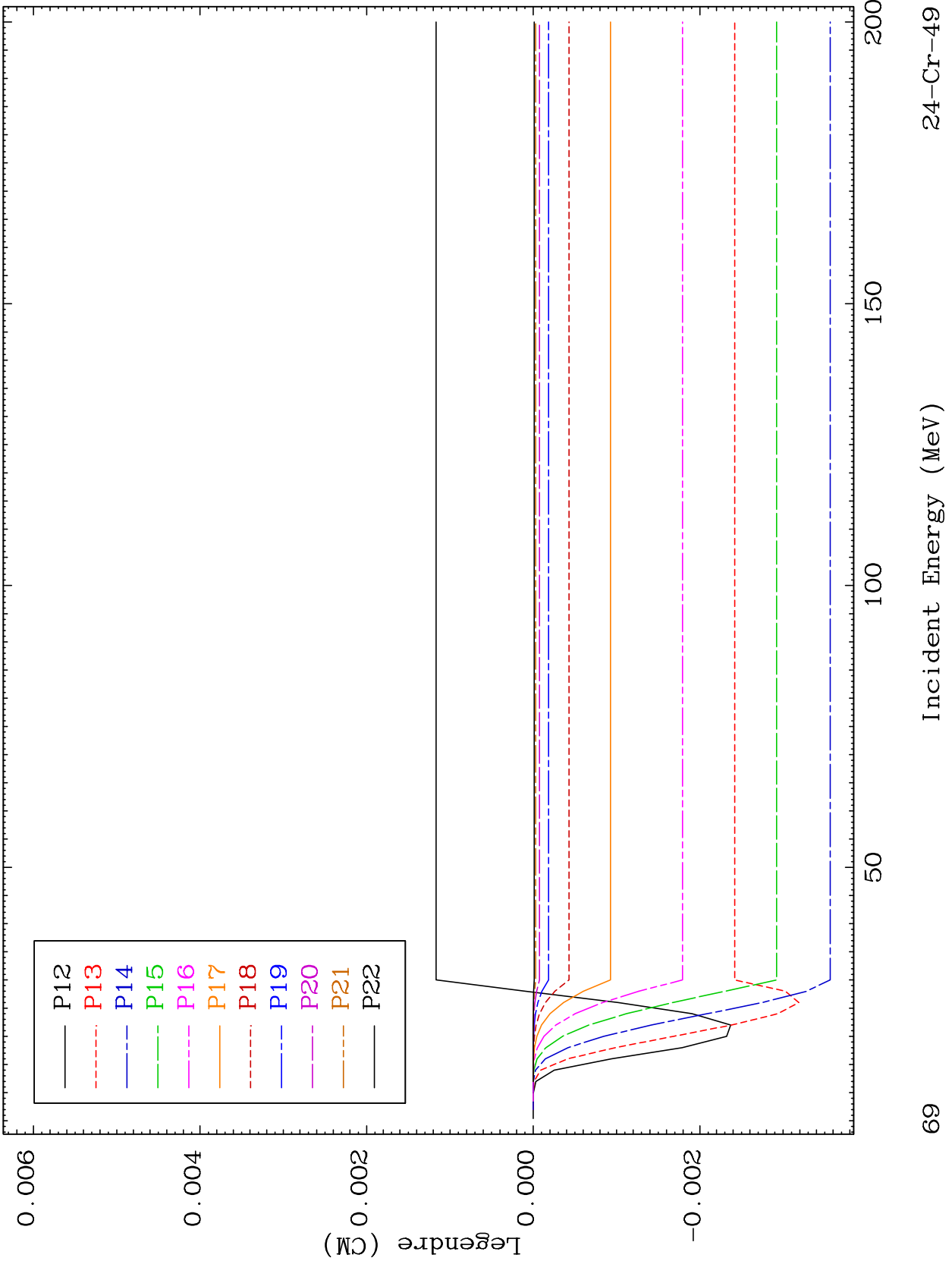
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Legendre Coefficients

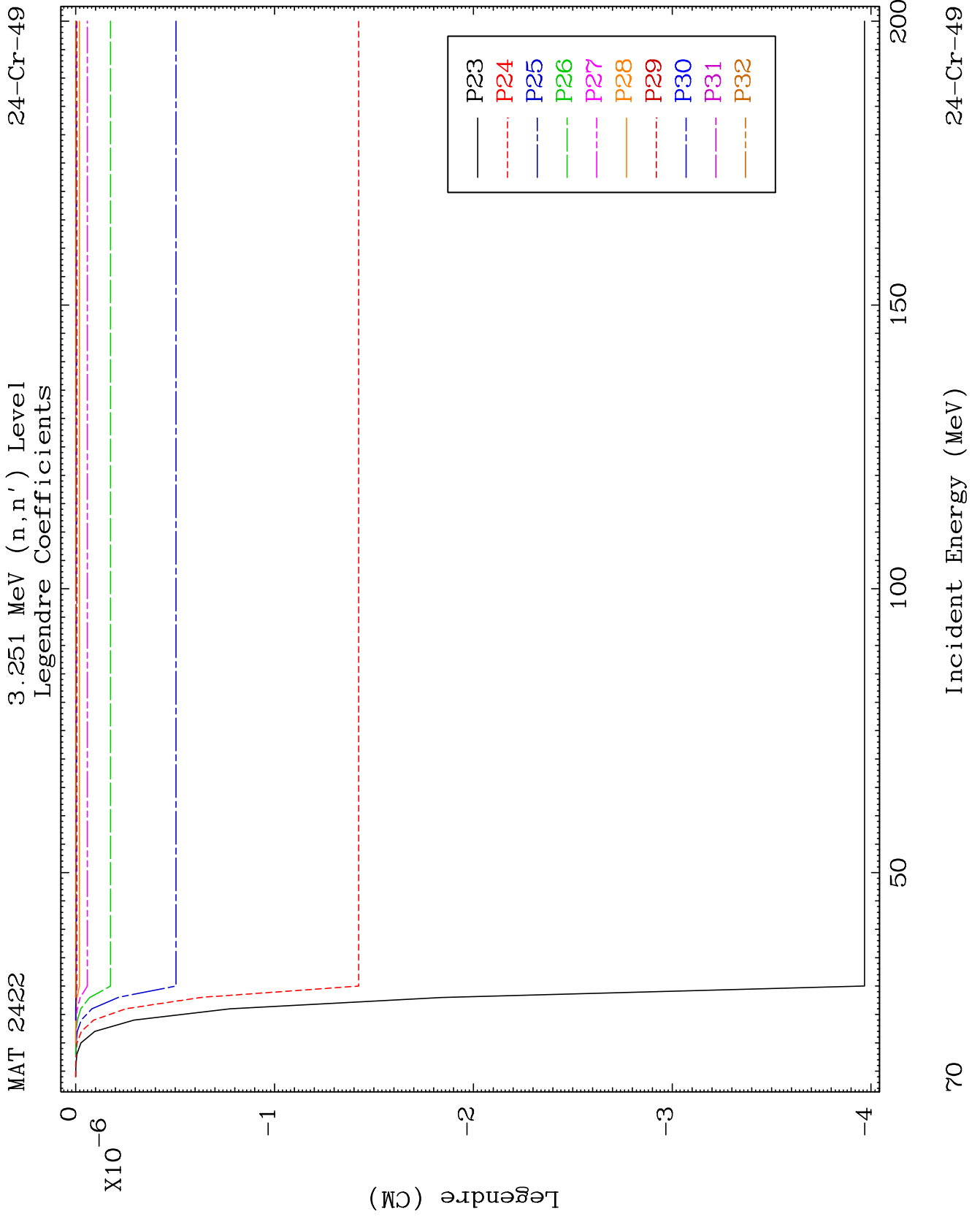
24-Cr-49



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24-Cr-49

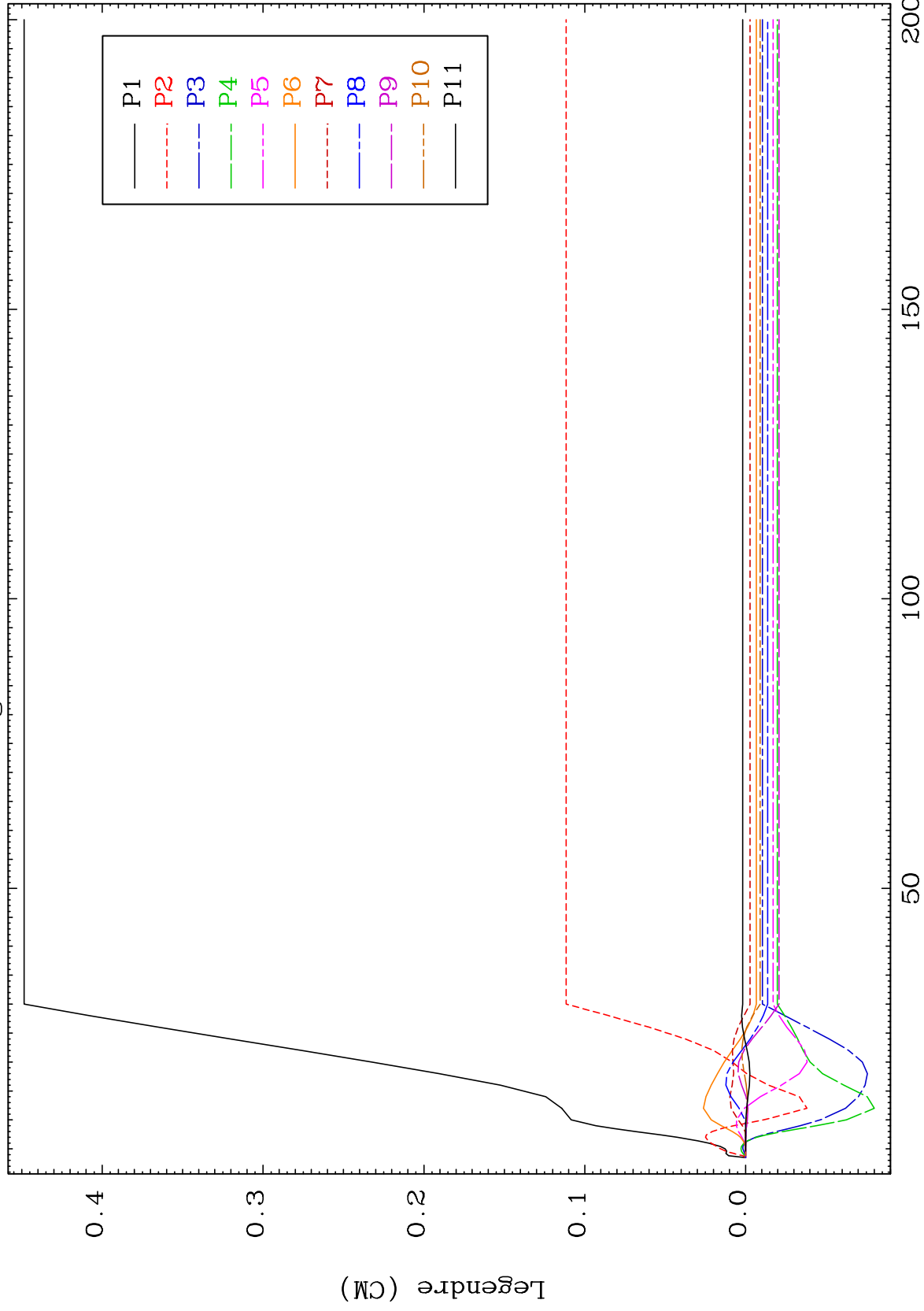




MAT 2422

3.407 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



71

Incident Energy (MeV)

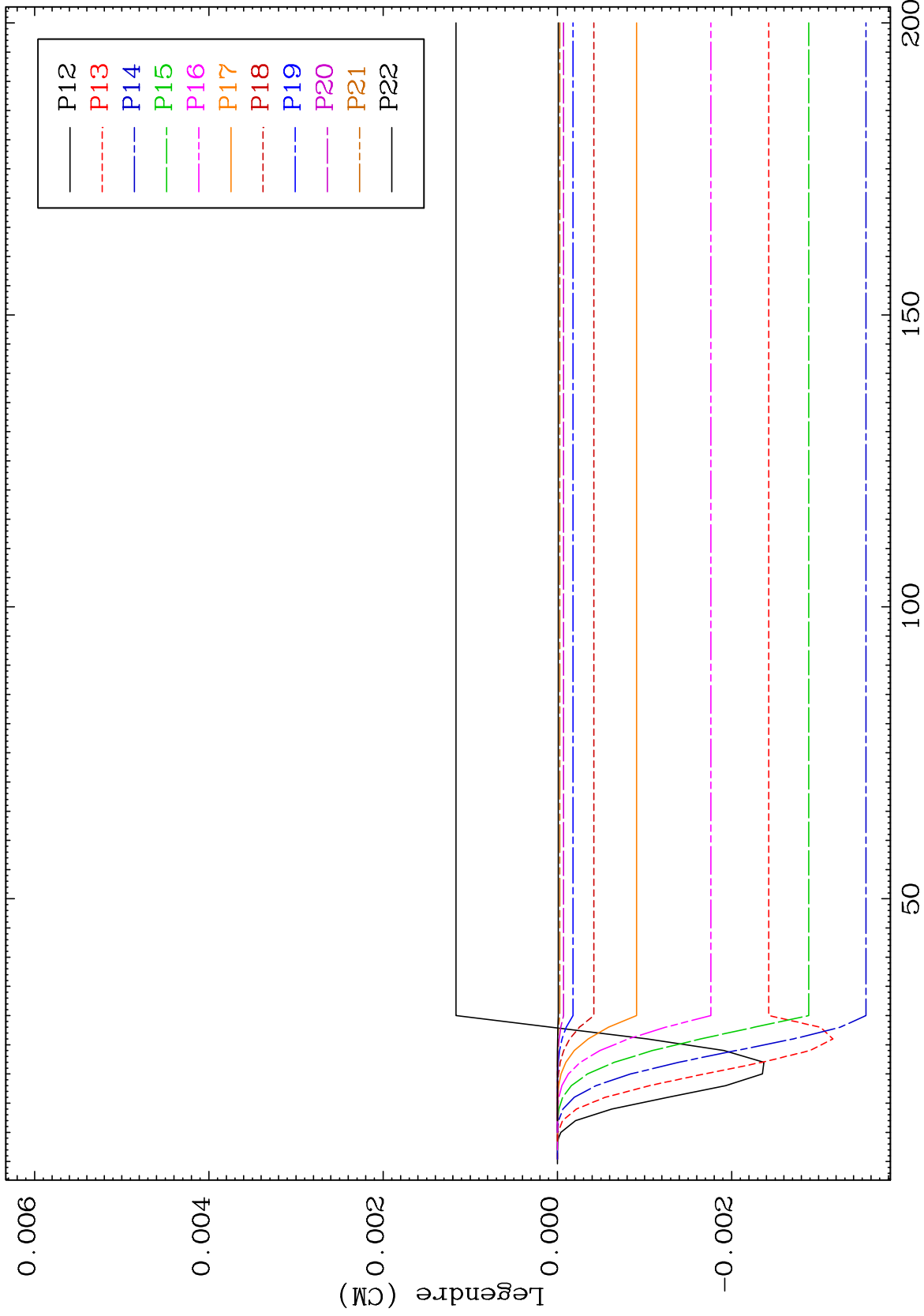
24-Cr-49



MAT 2422

3.407 MeV (n,n') Level  
Legendre Coefficients

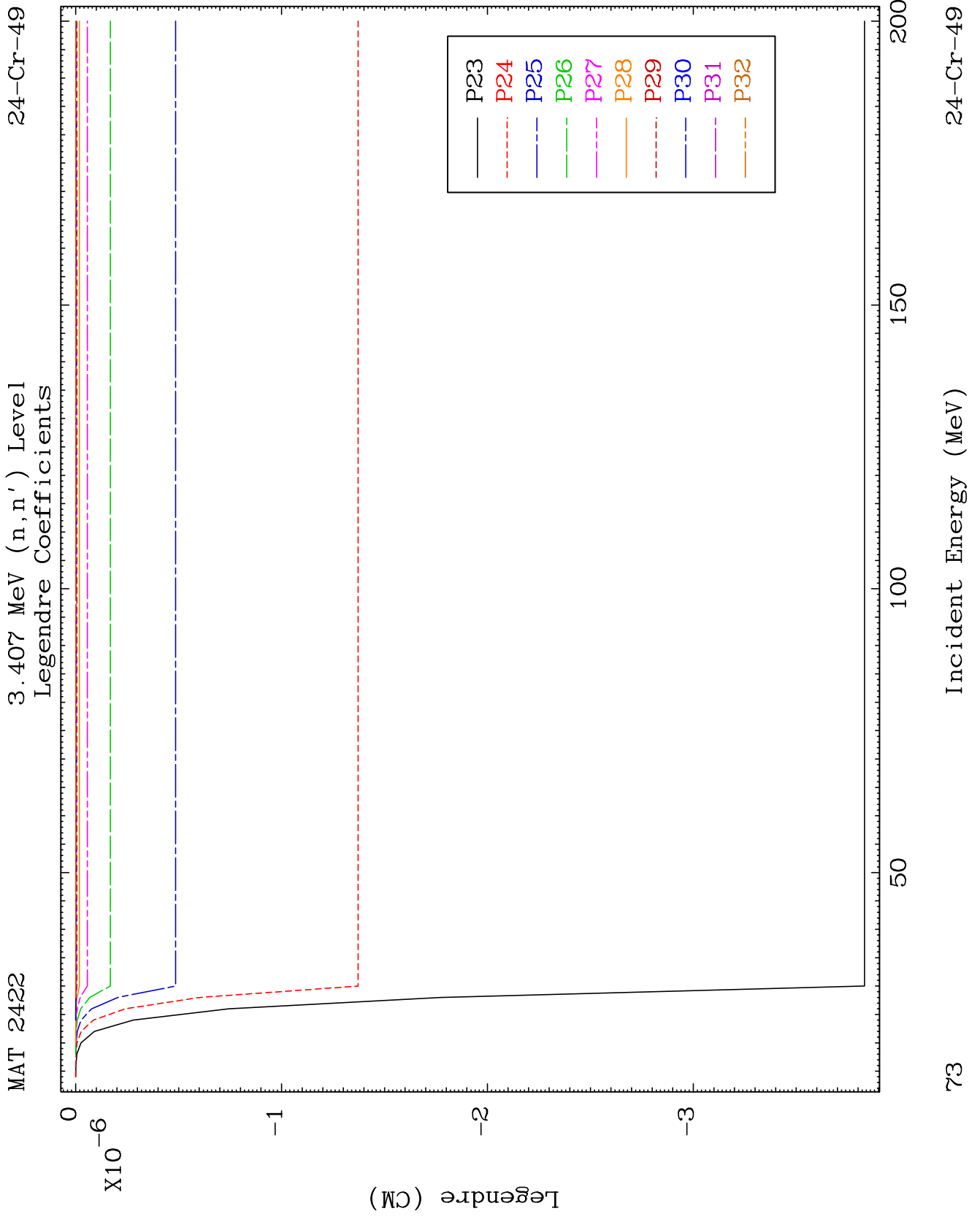
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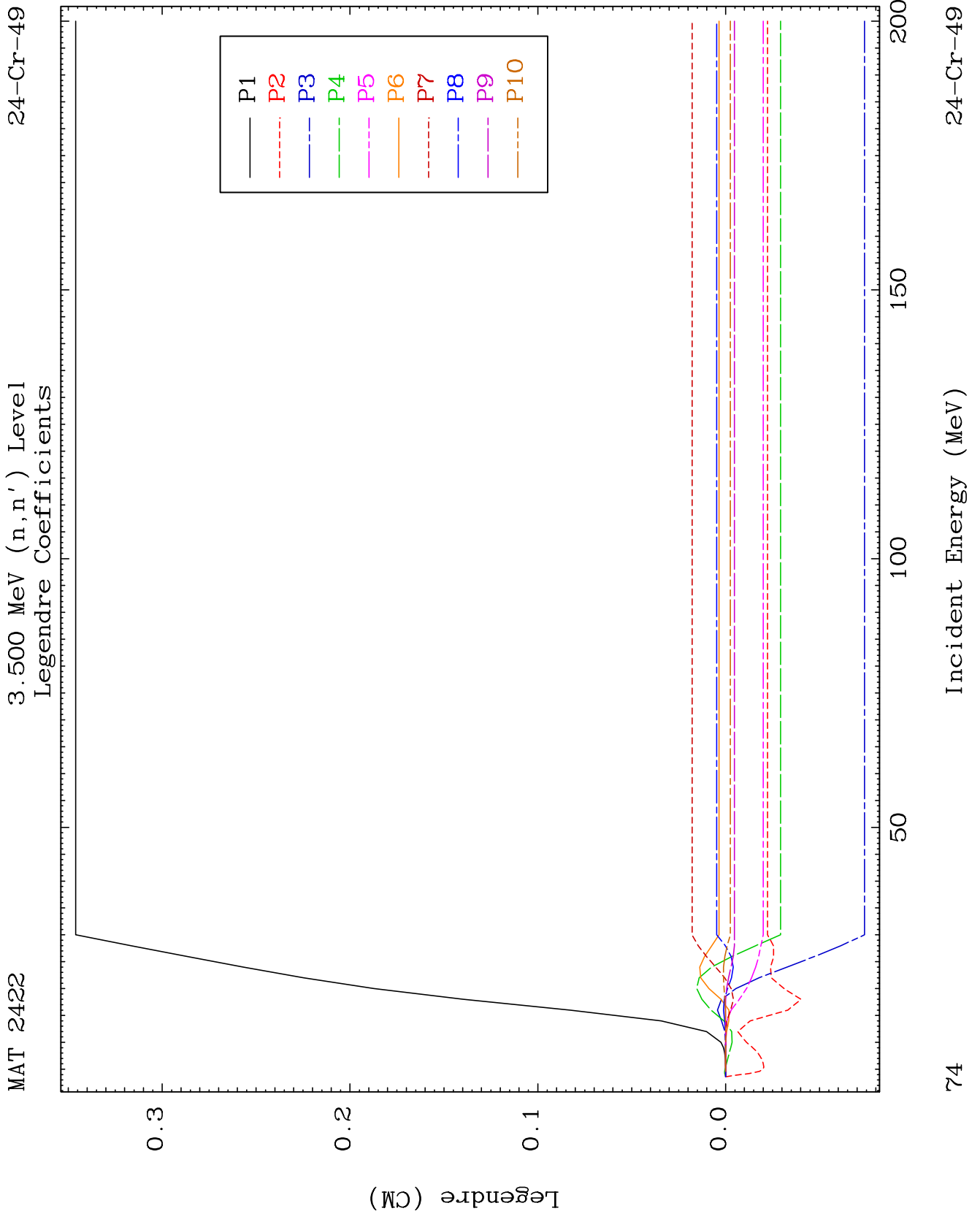


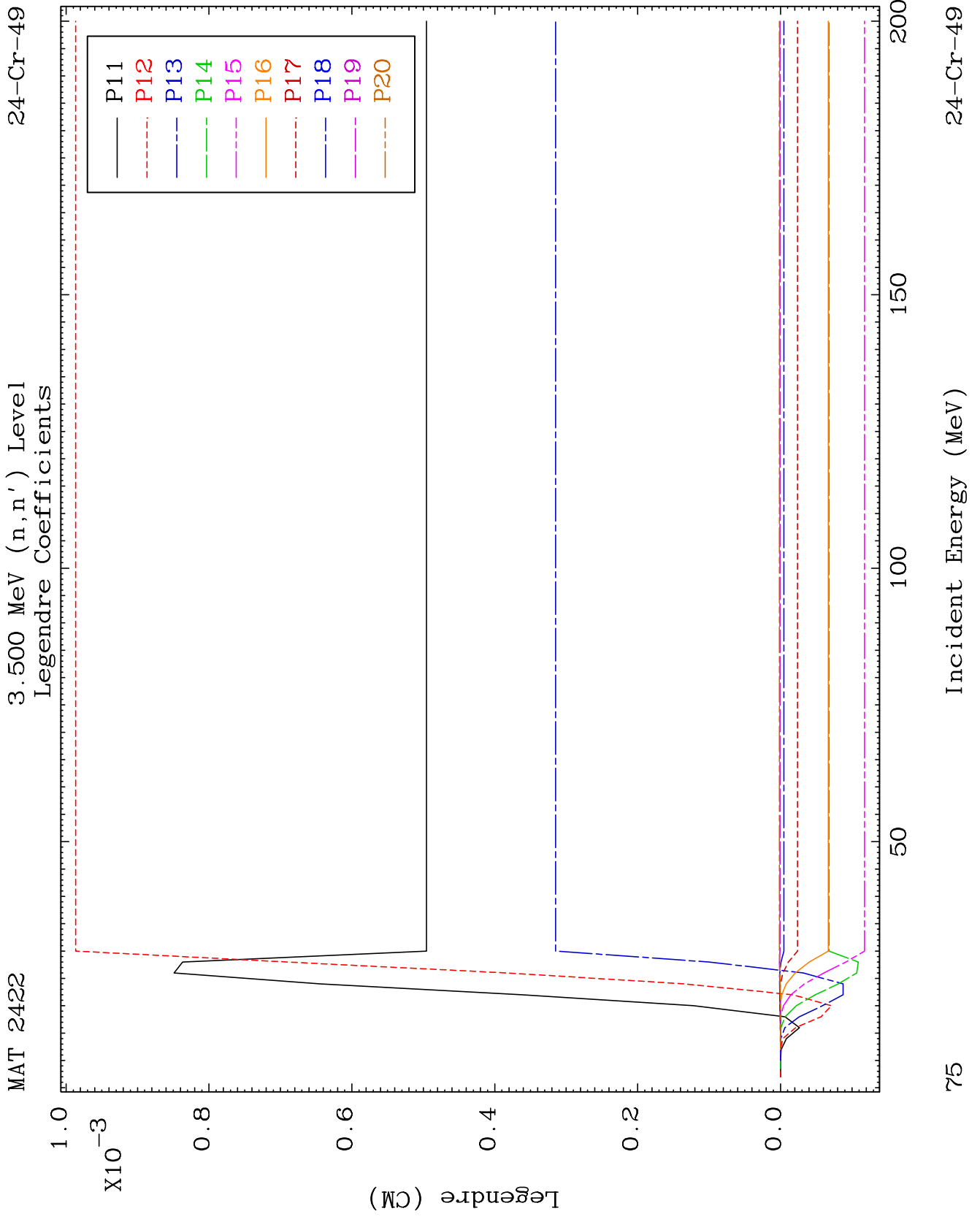
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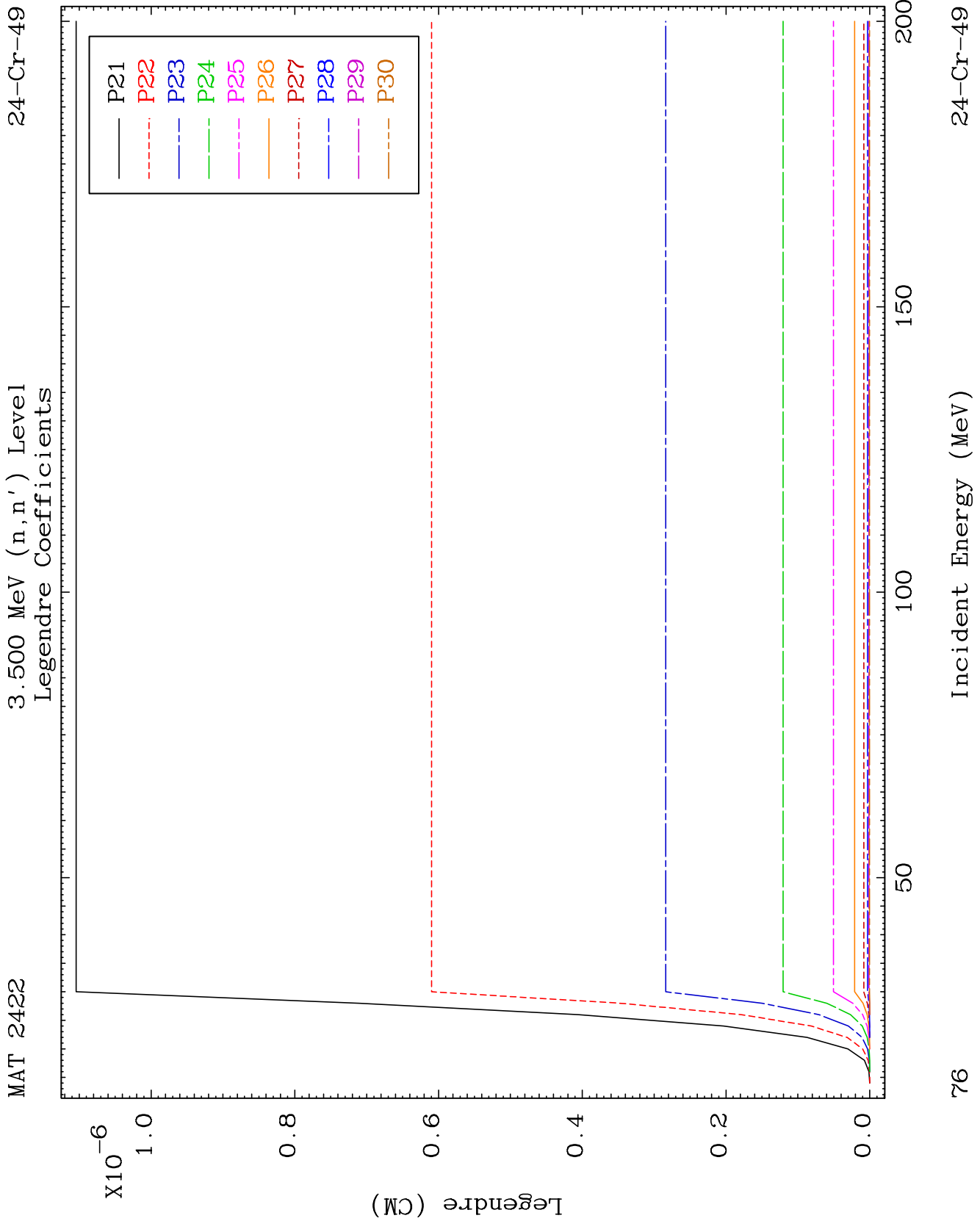
Incident Energy (MeV)

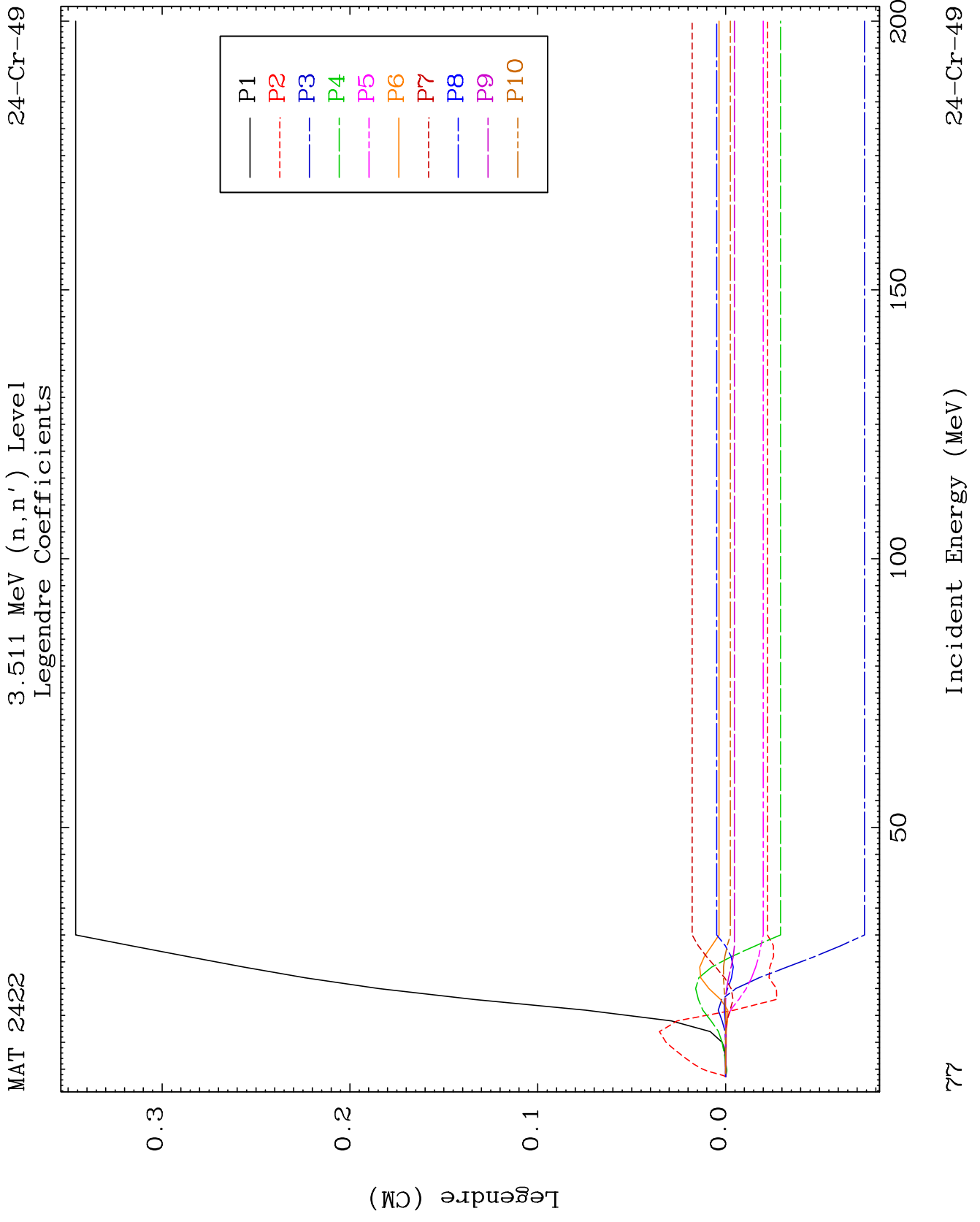
24-Cr-49



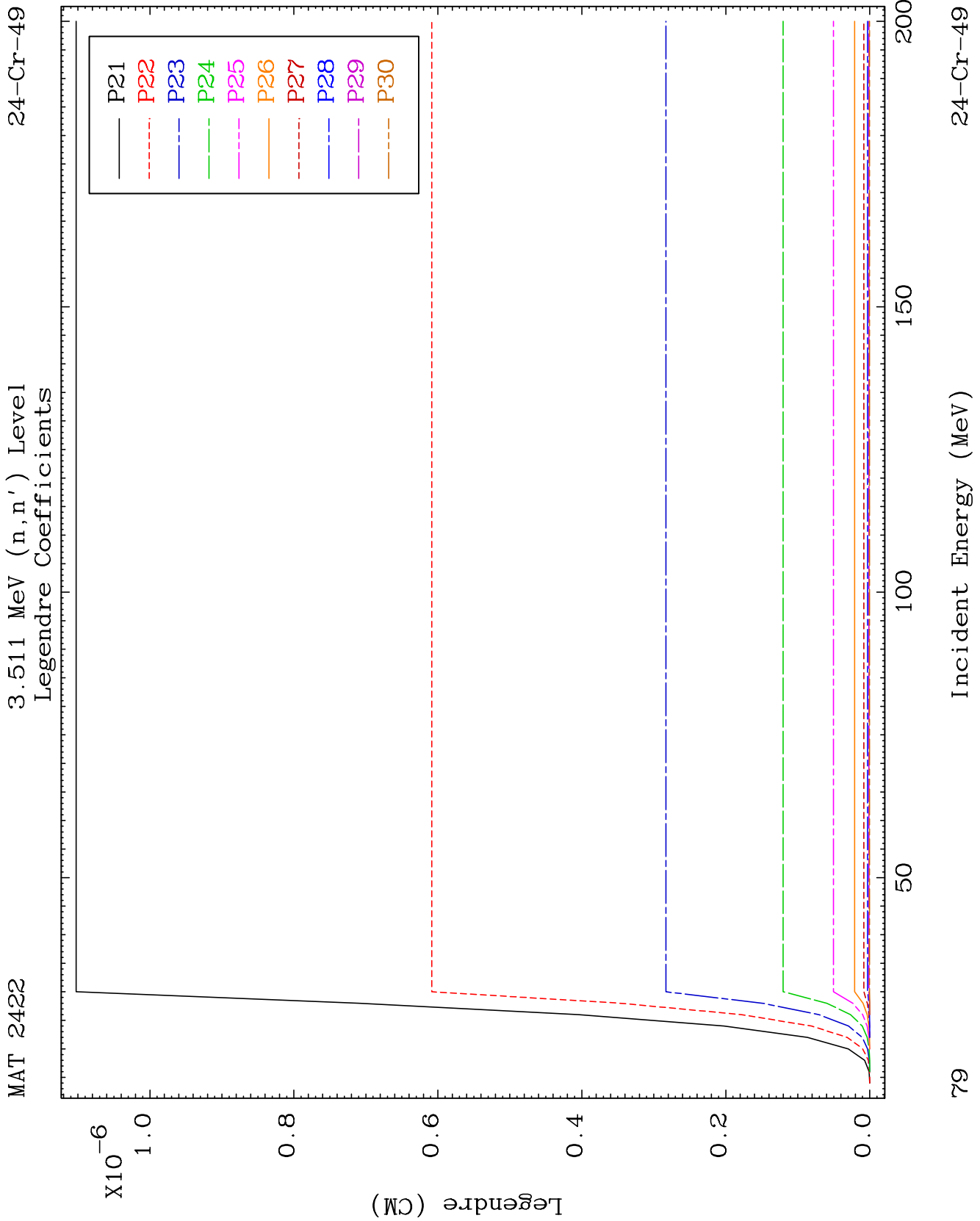








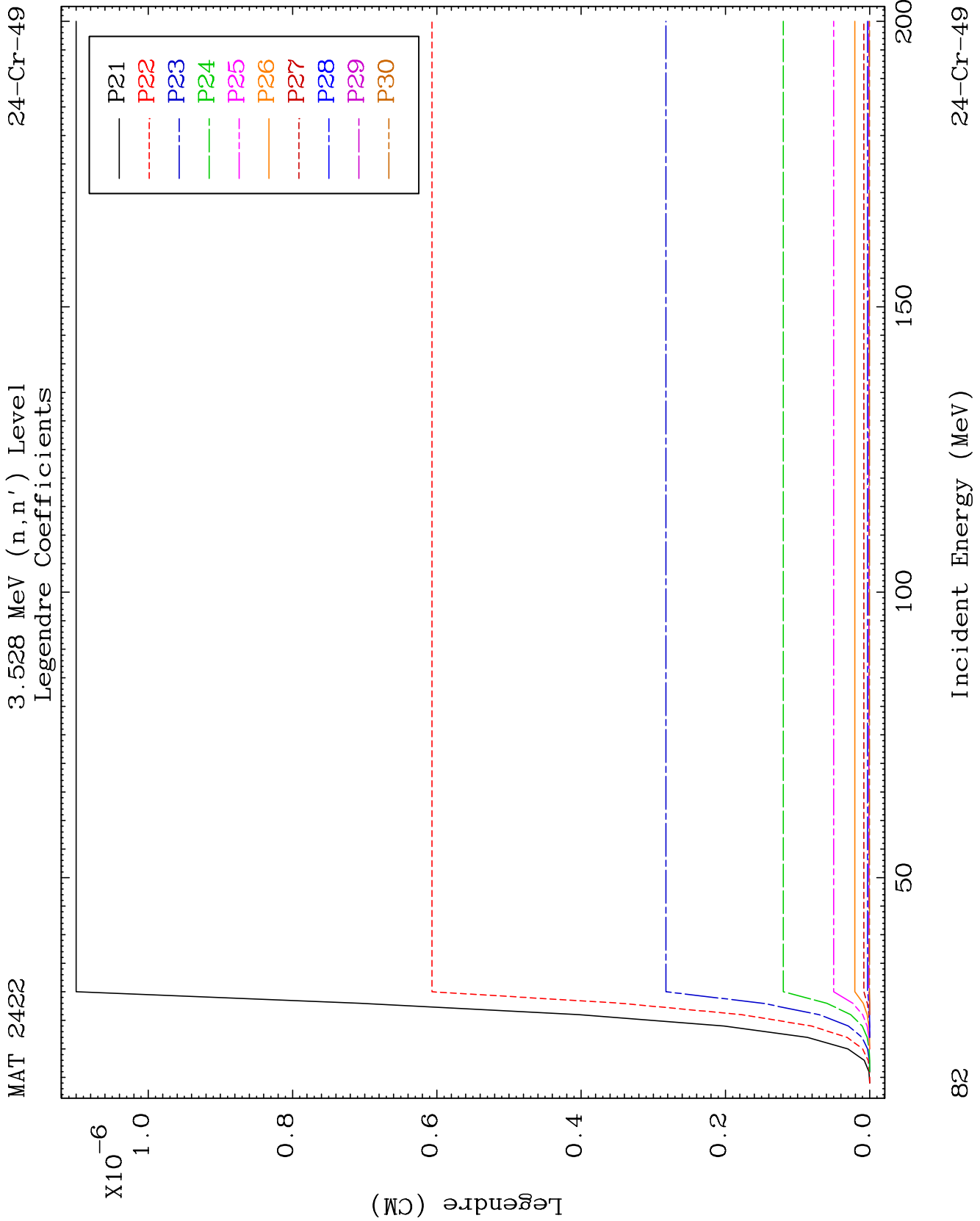


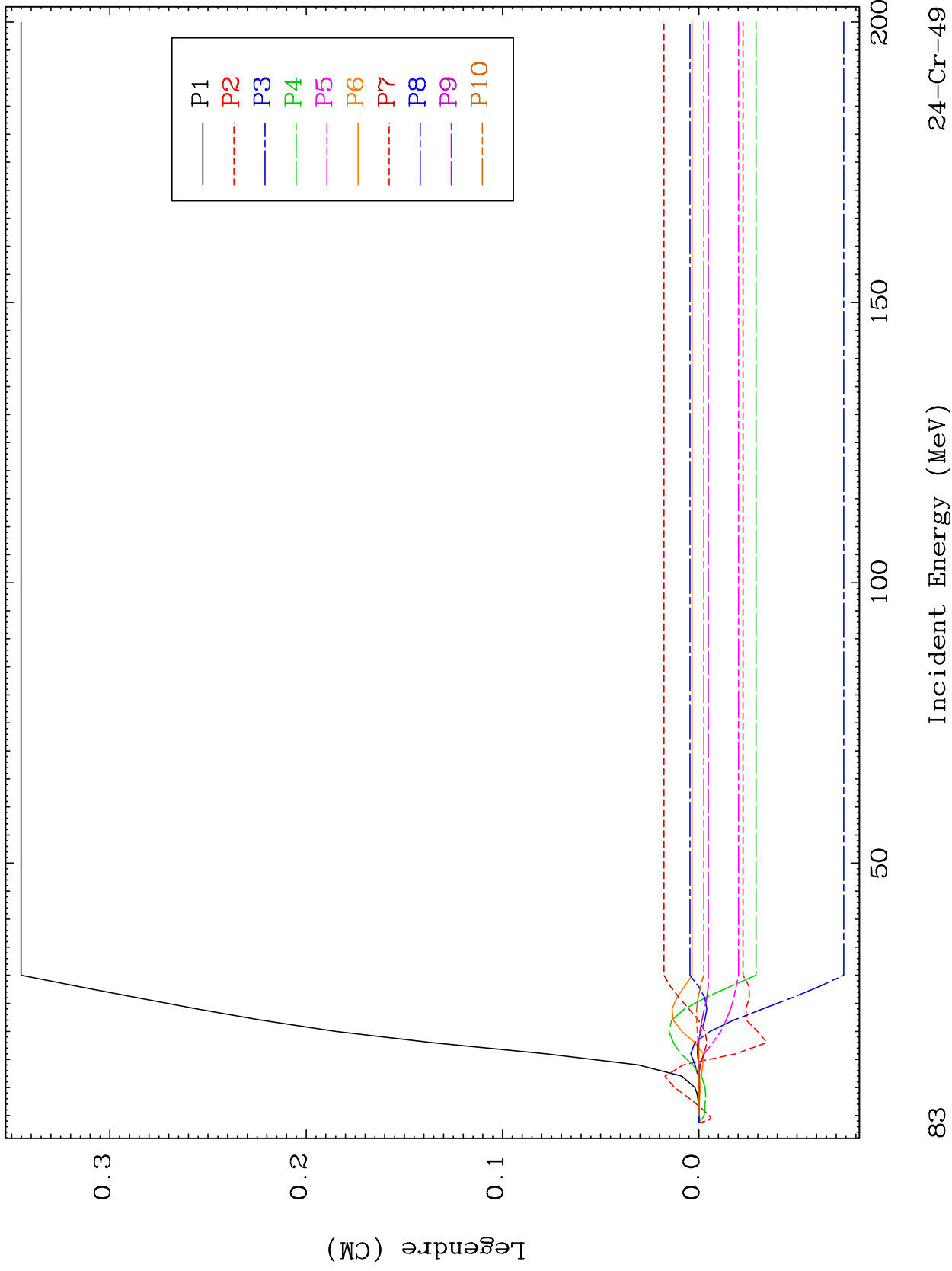


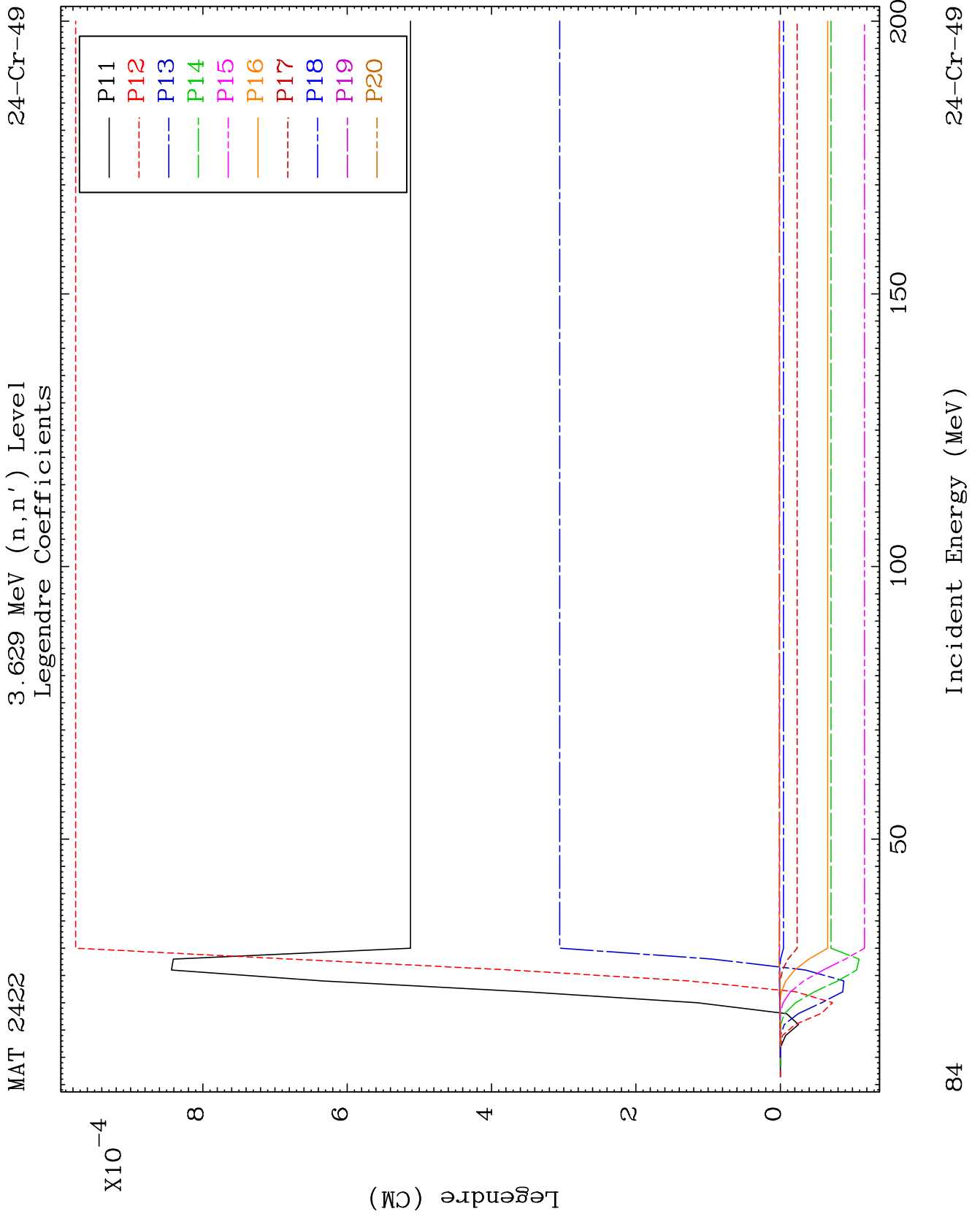


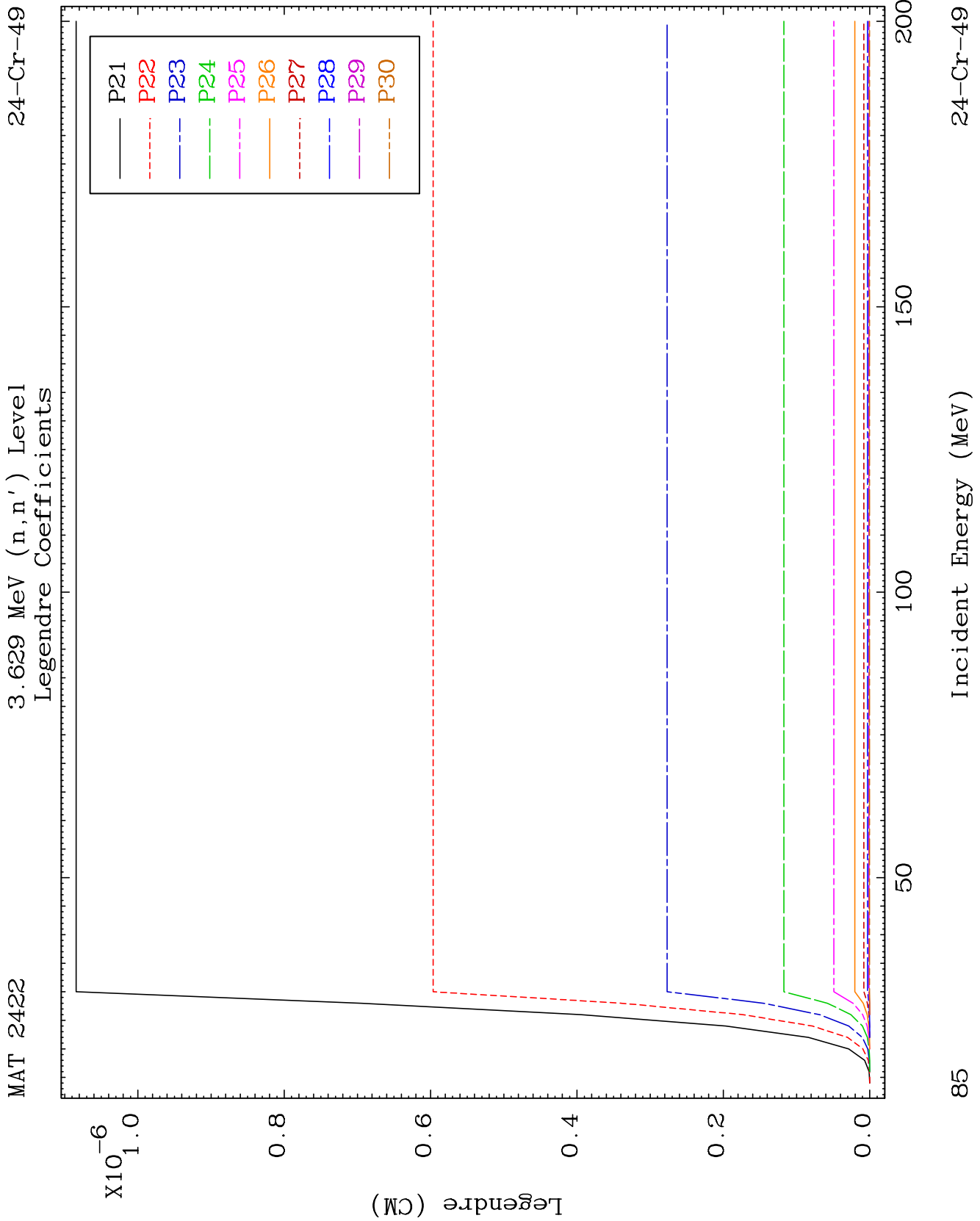


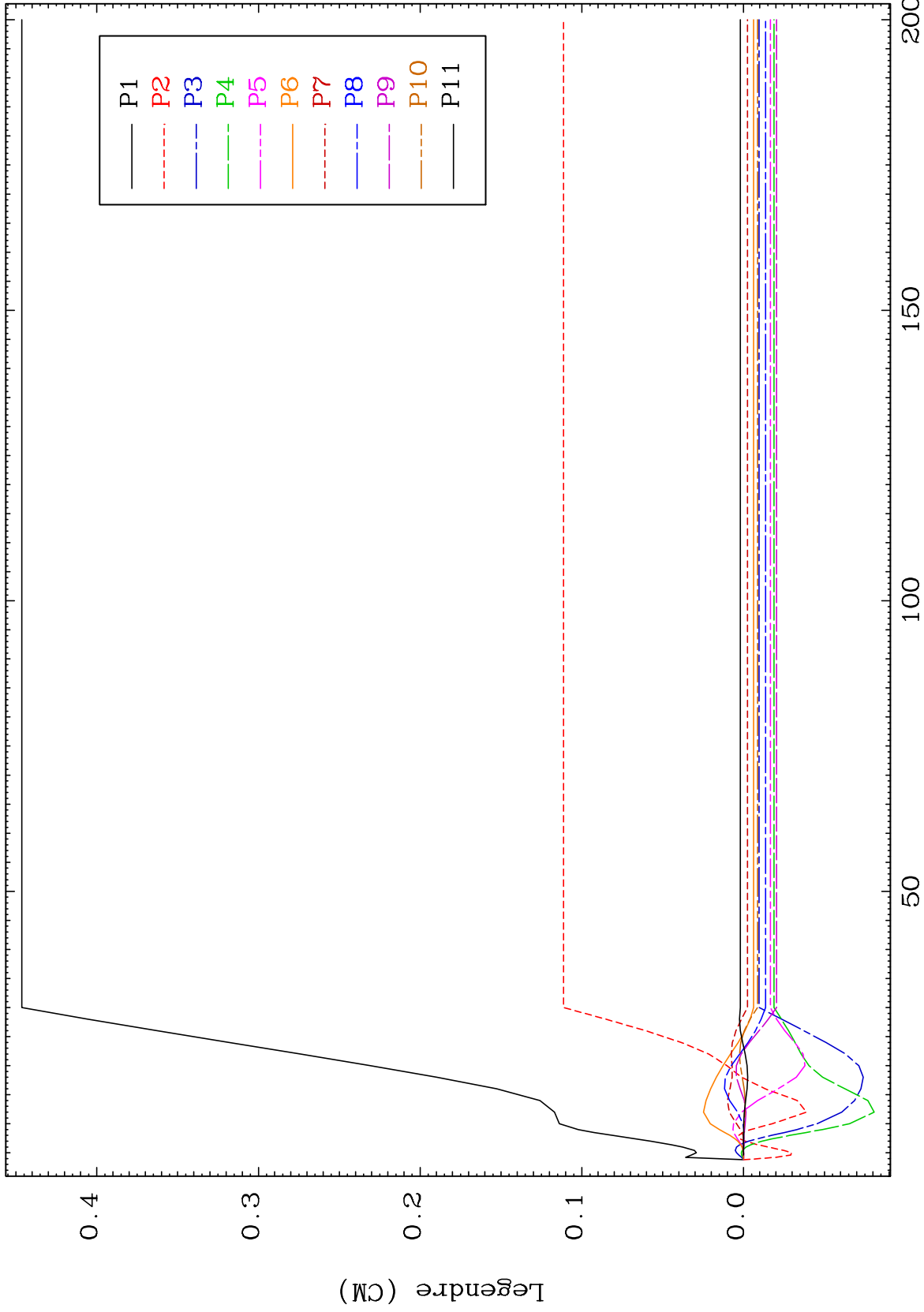


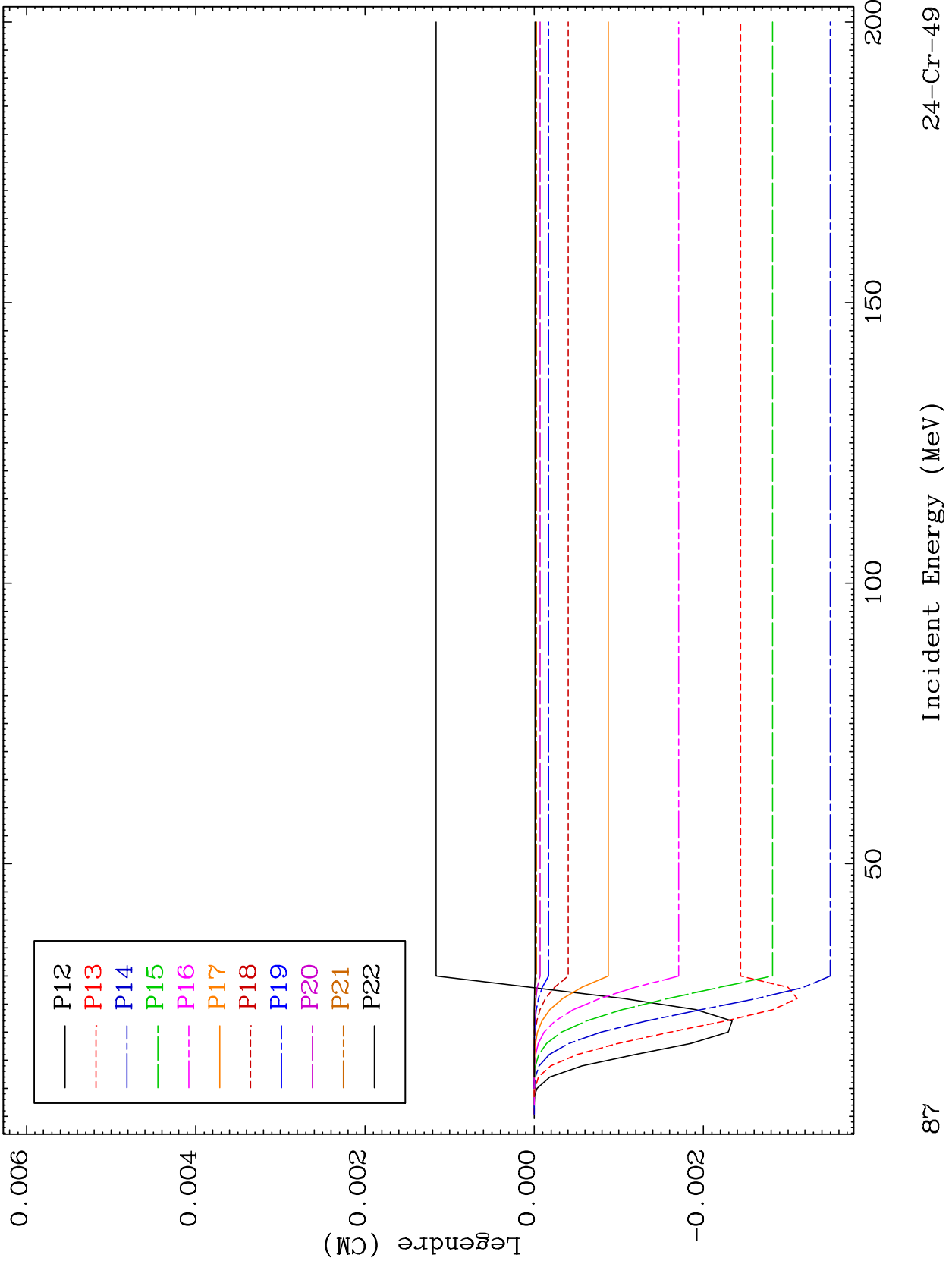




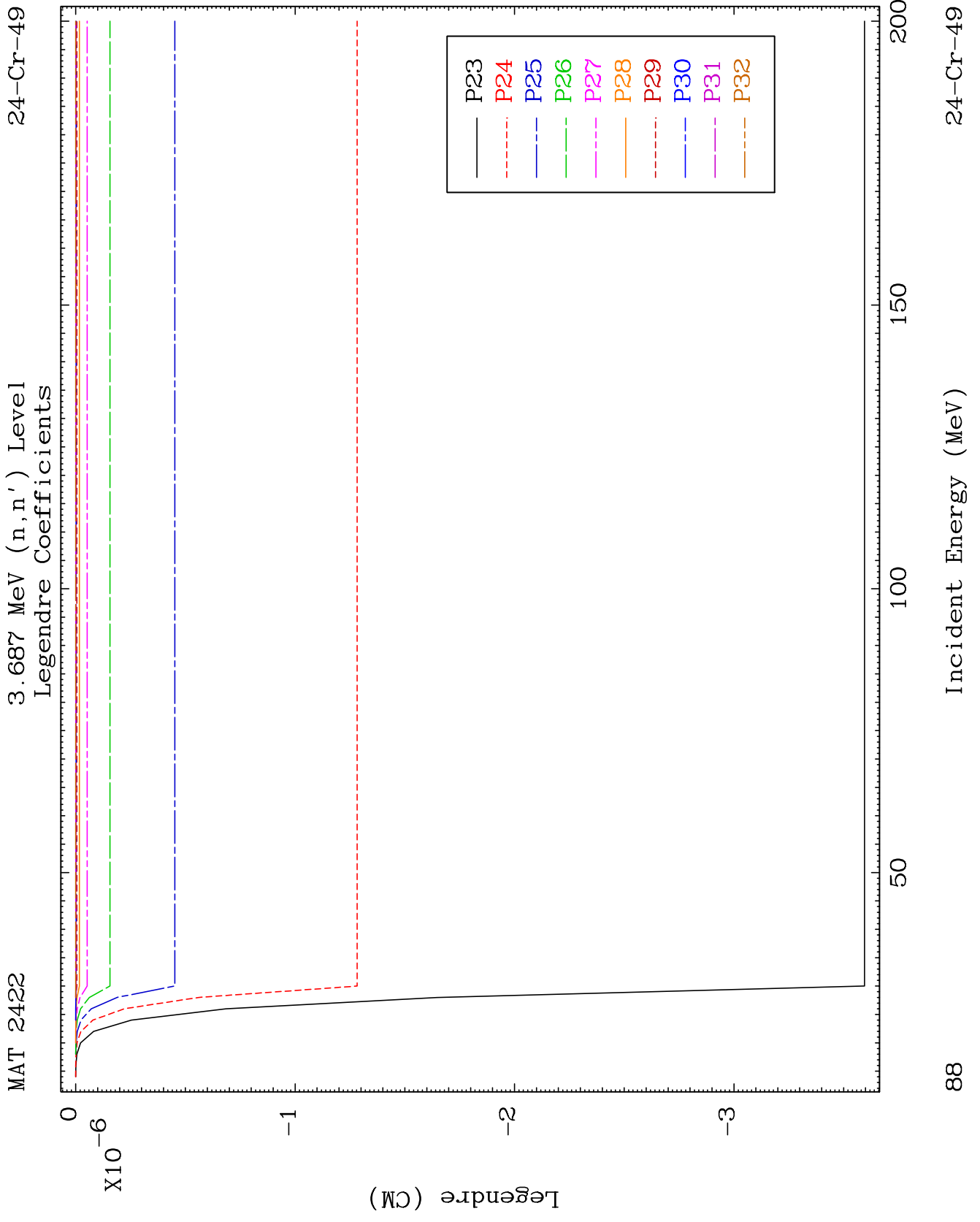








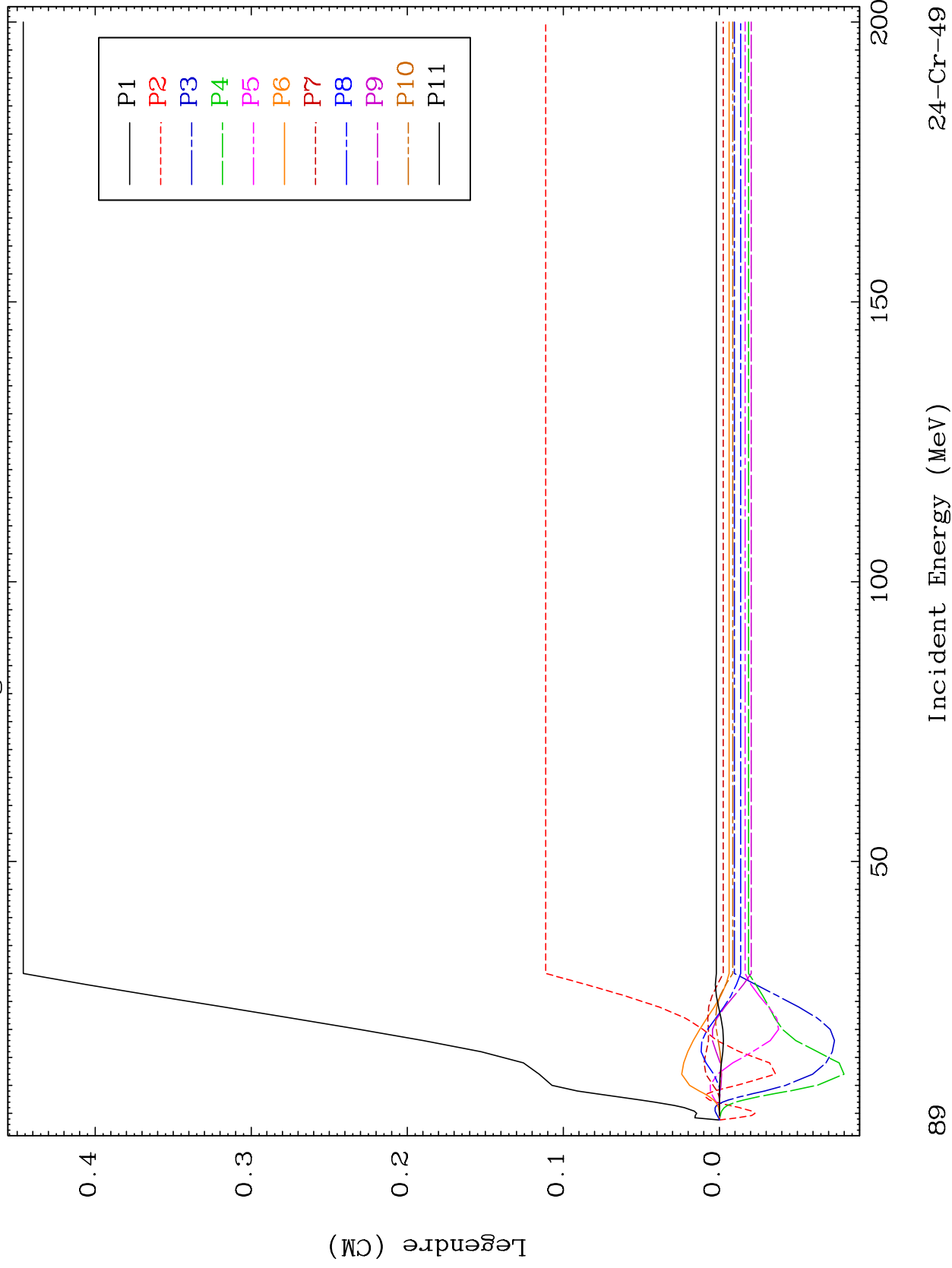




MAT 2422

3.717 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49



89

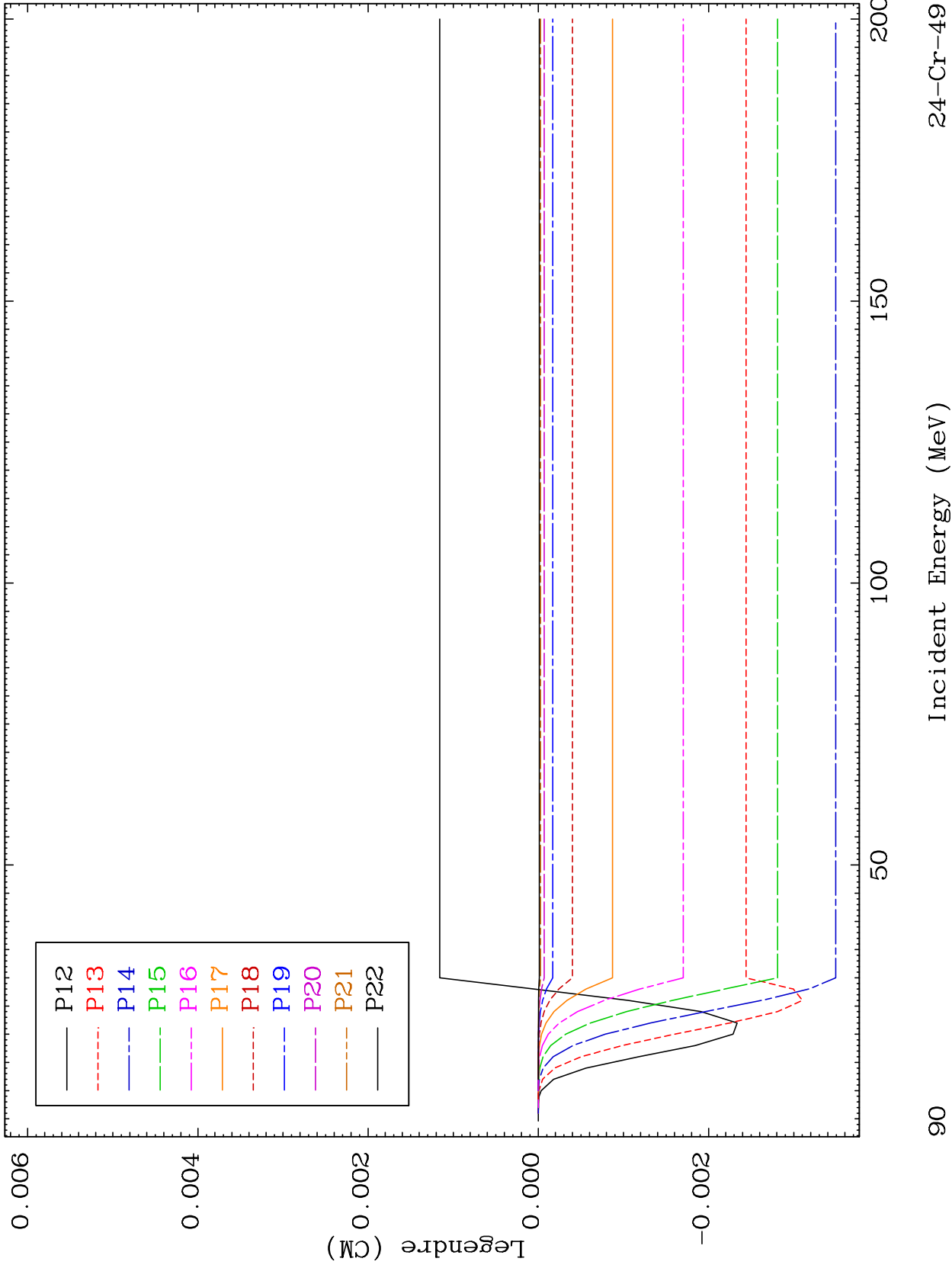
Incident Energy (MeV)

24-Cr-49

MAT 2422

3.717 MeV (n,n') Level  
Legendre Coefficients

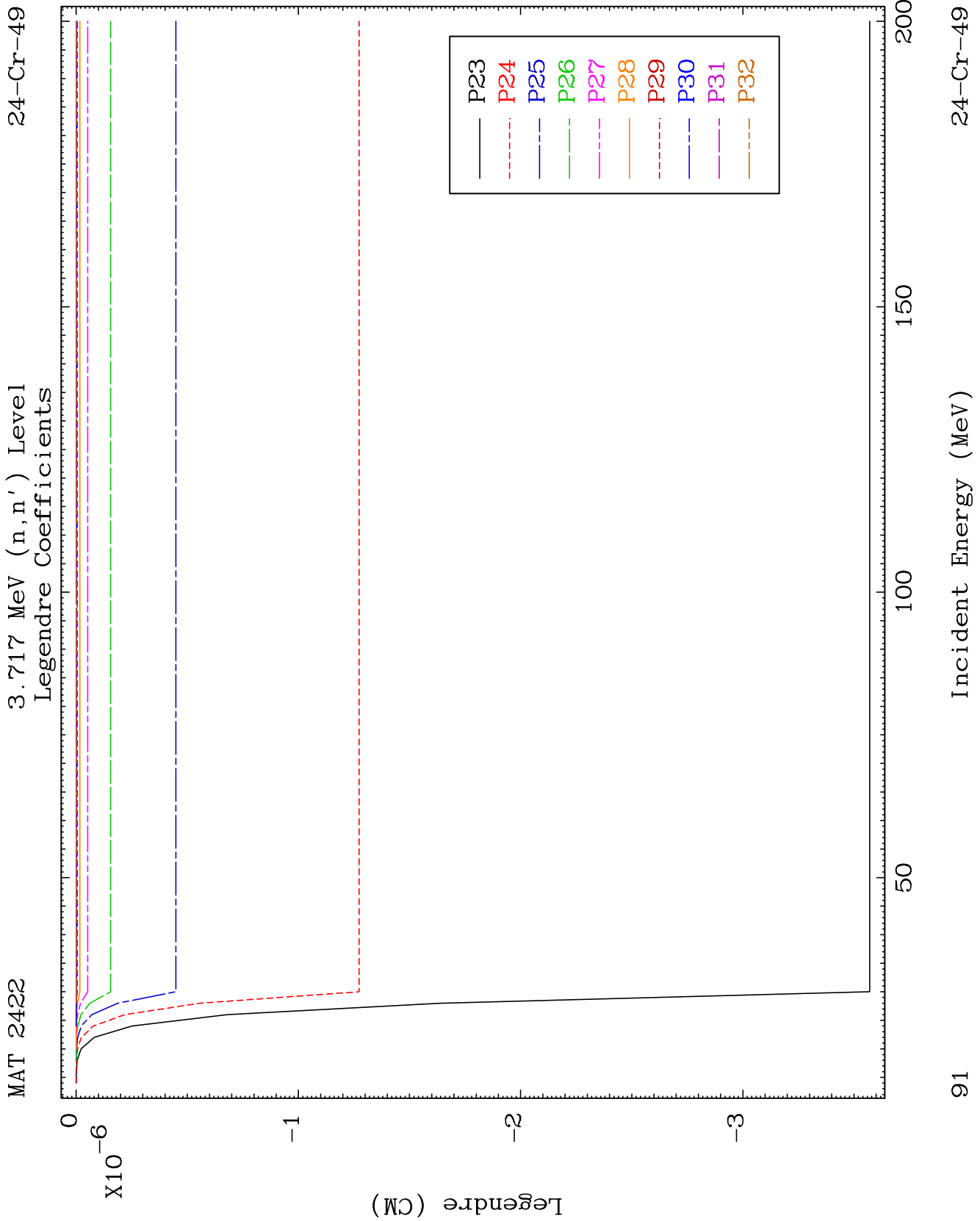
24-Cr-49

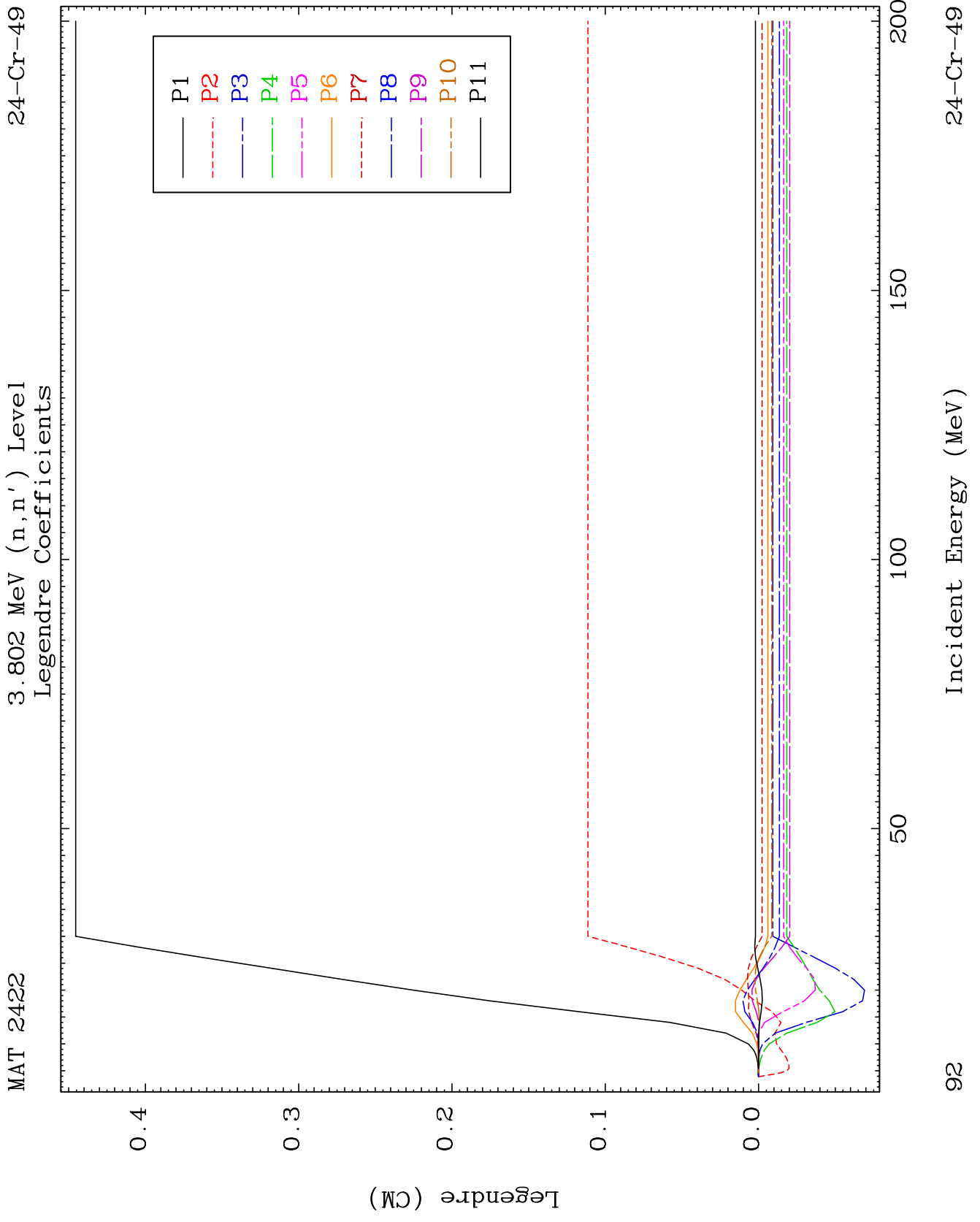


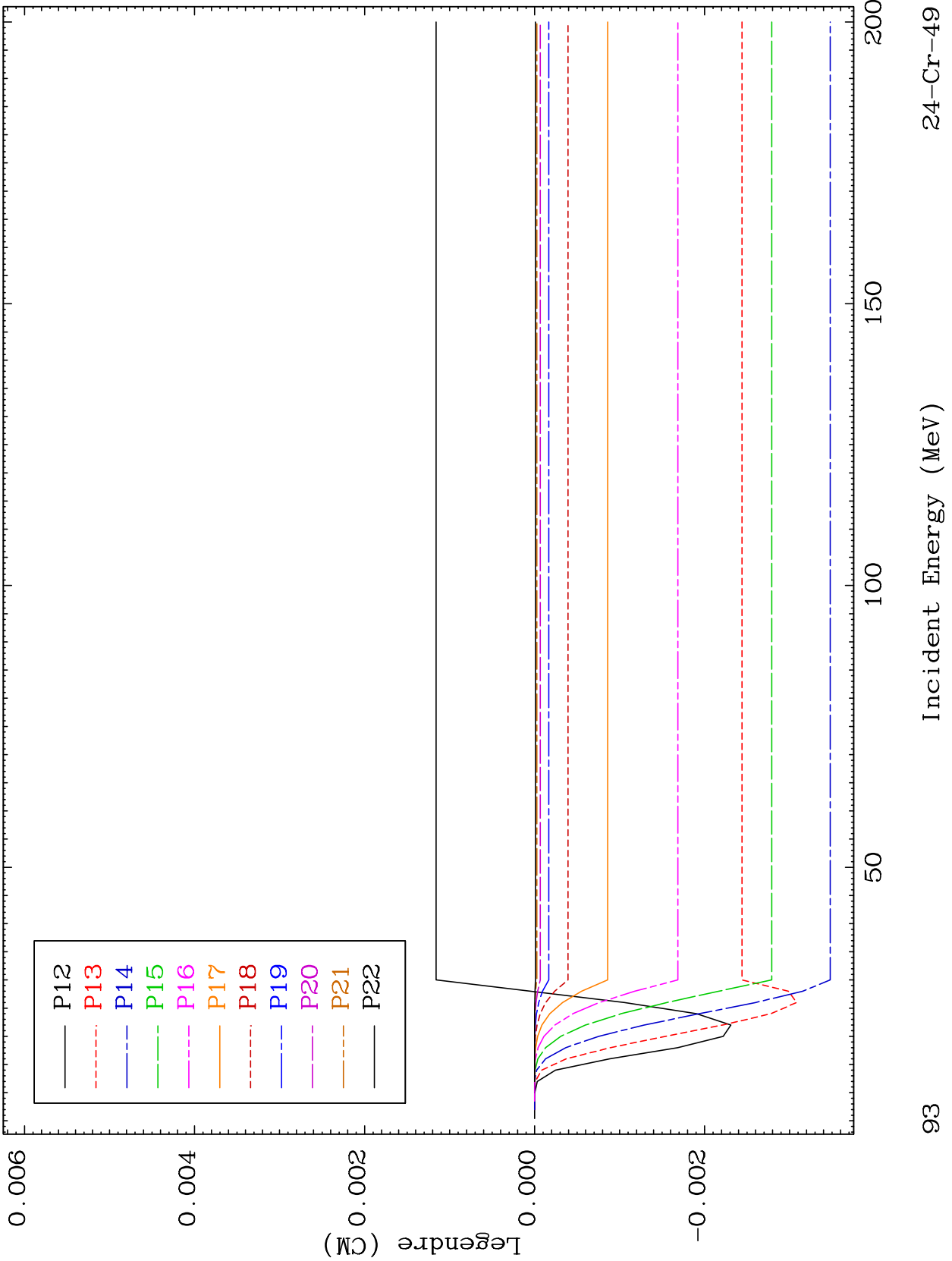
90

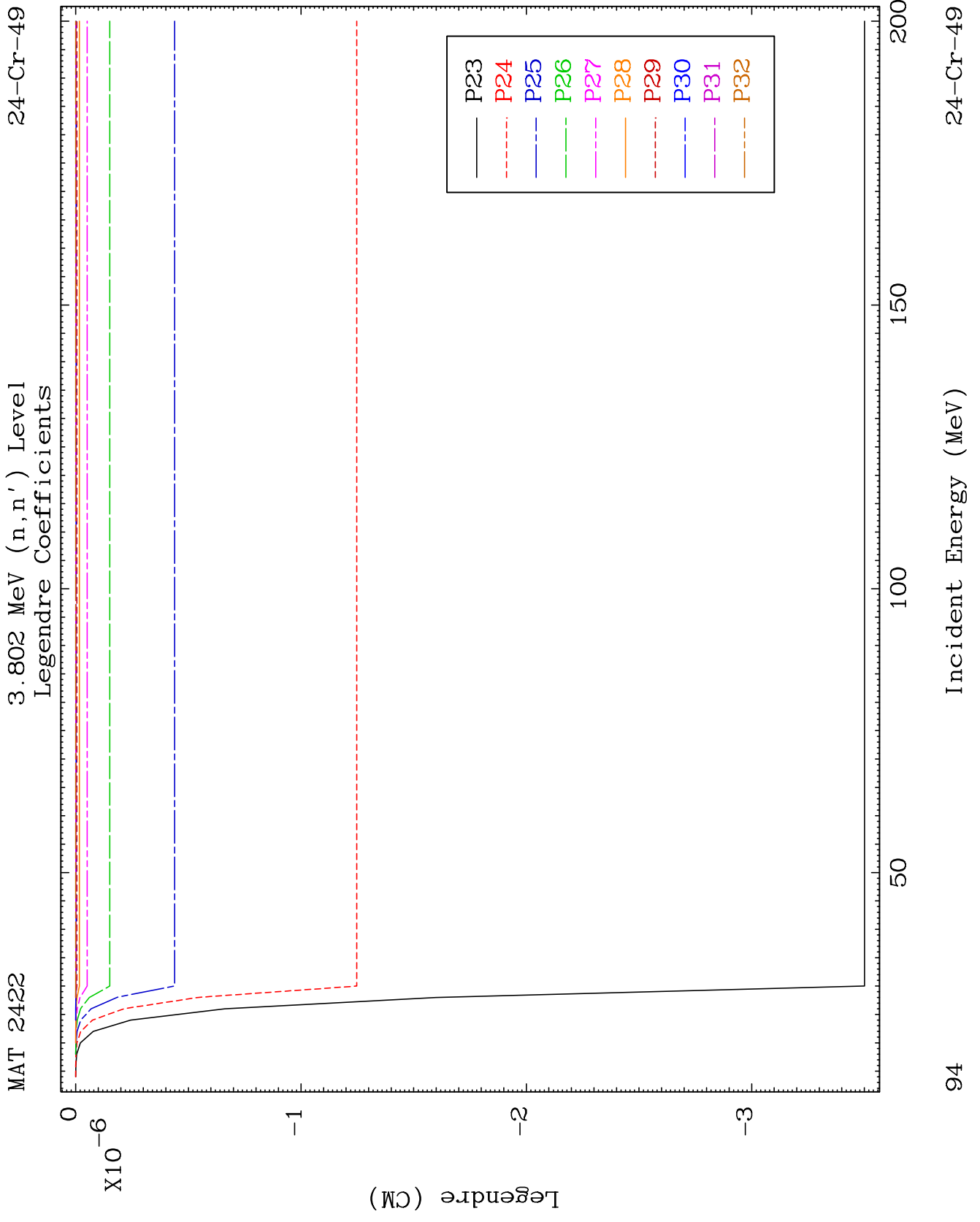
Incident Energy (MeV)

24-Cr-49





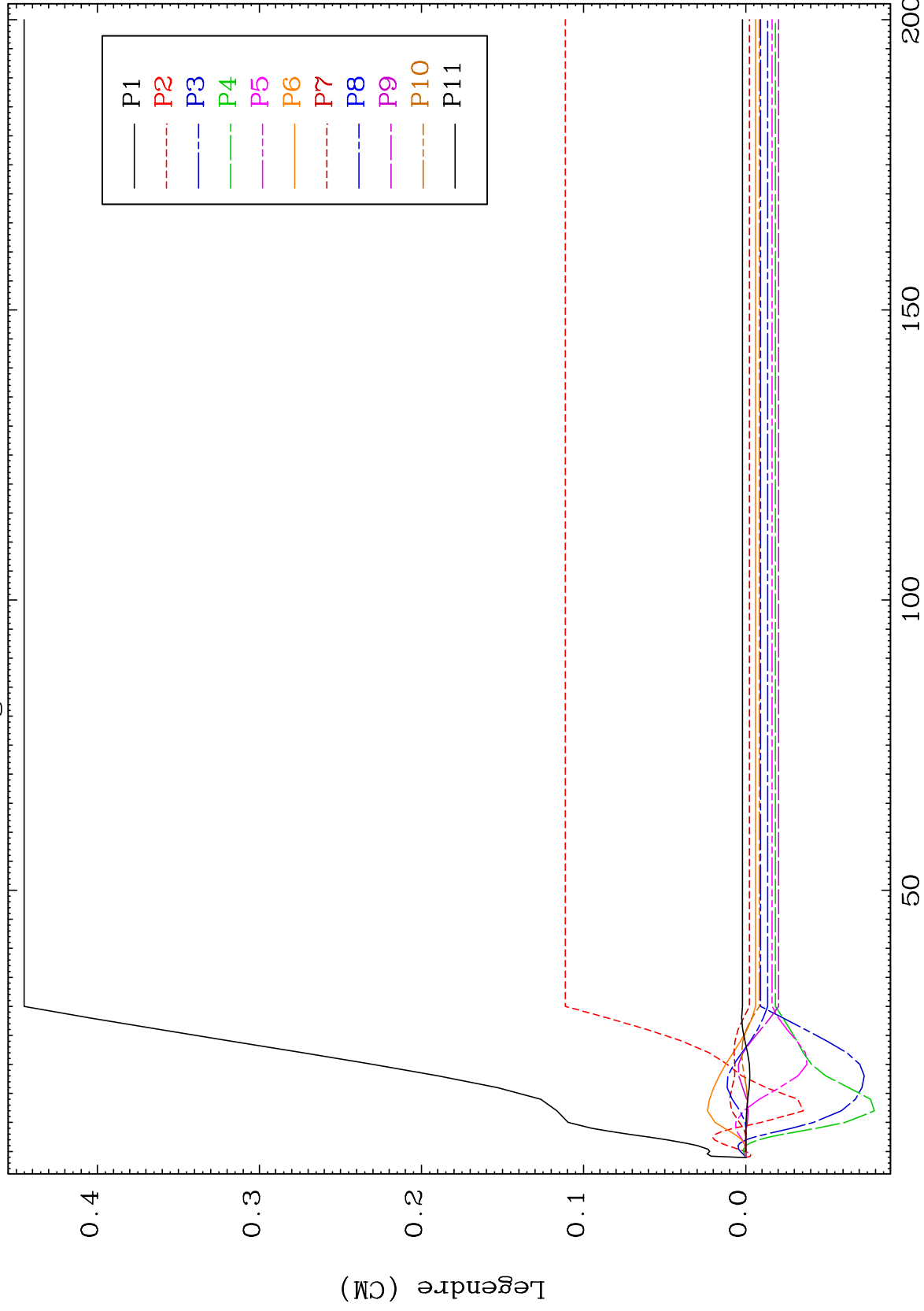




MAT 2422

3.844 MeV (n,n') Level  
Legendre Coefficients

24-Cr-49

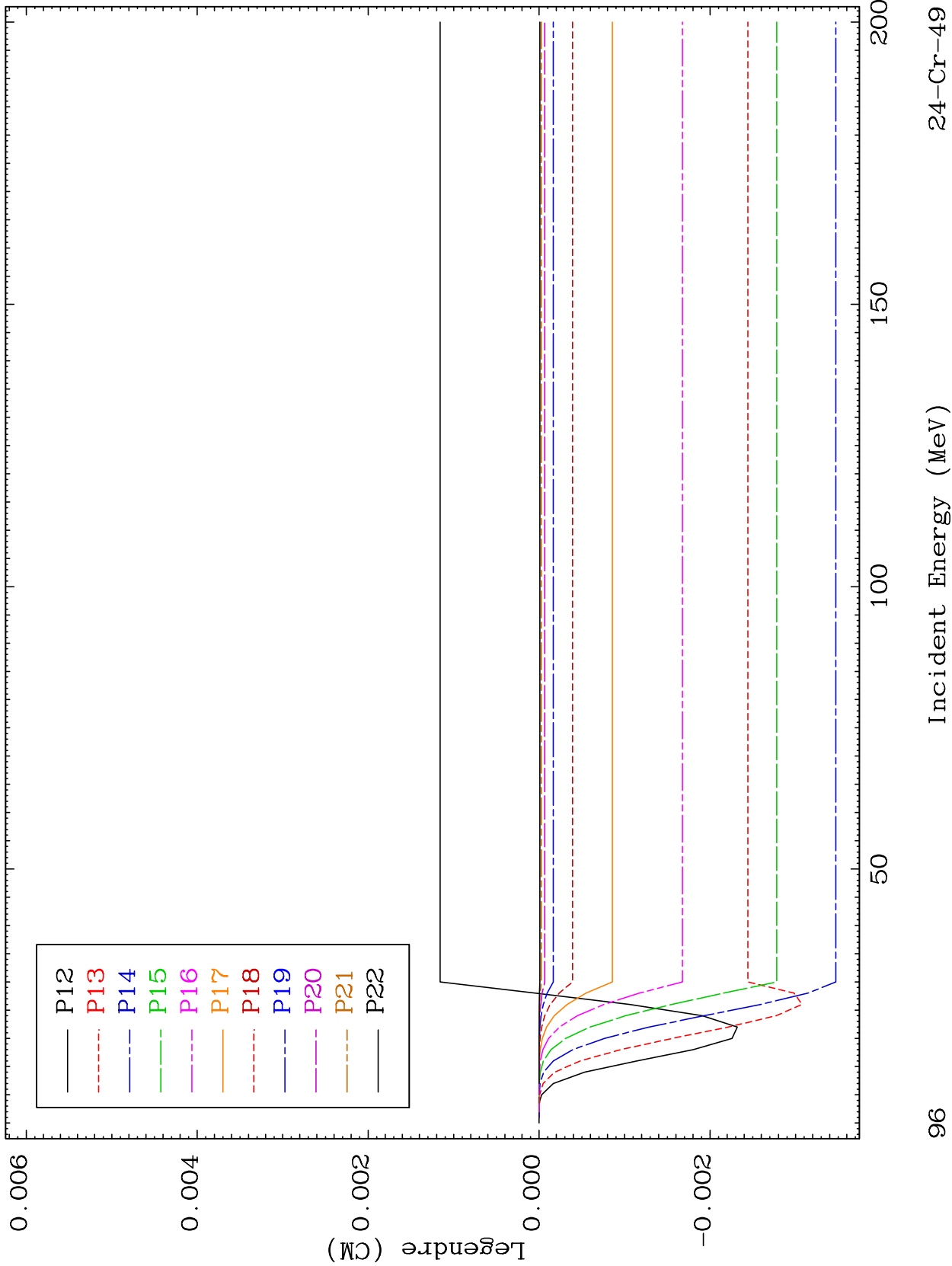


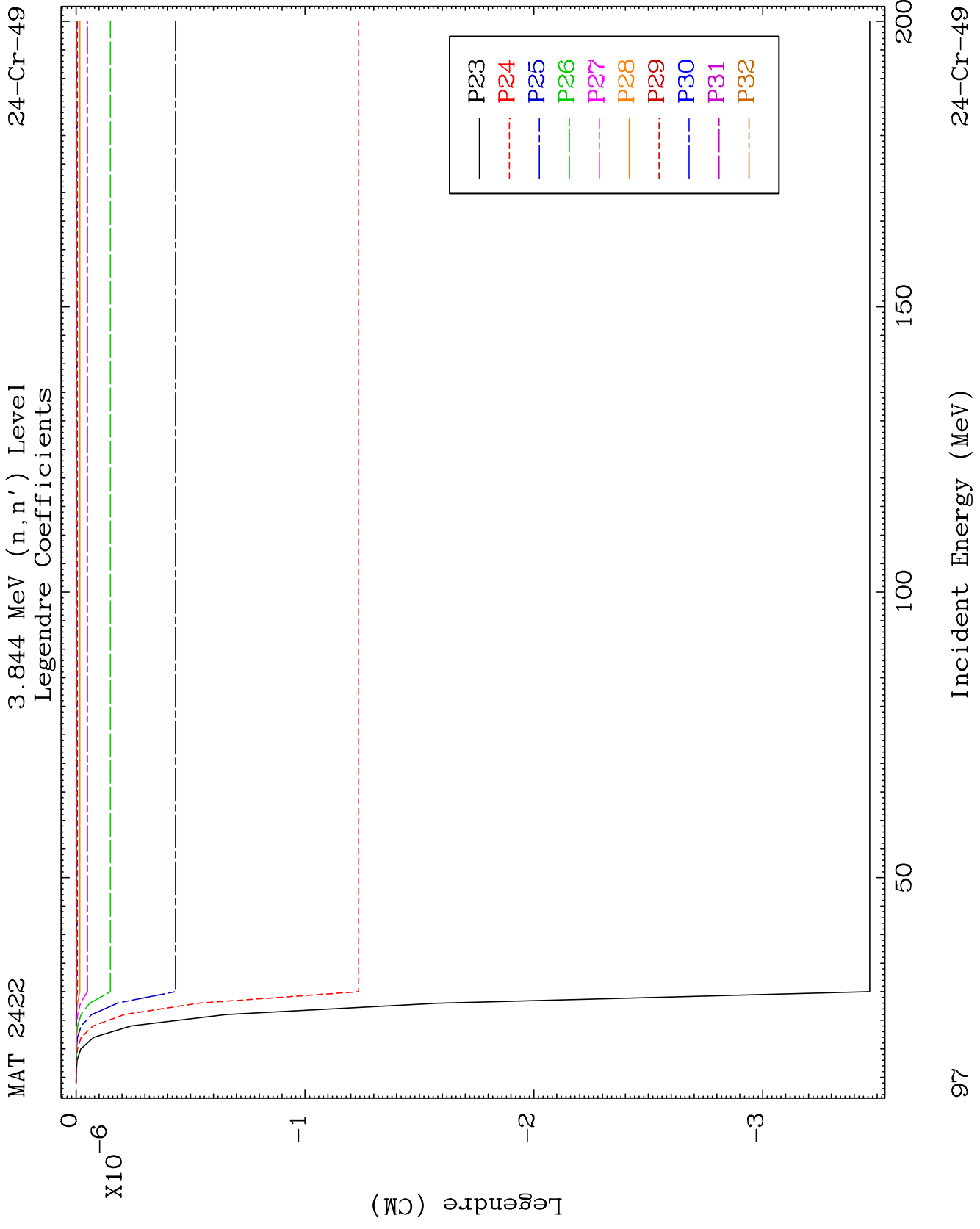
95

Incident Energy (MeV)

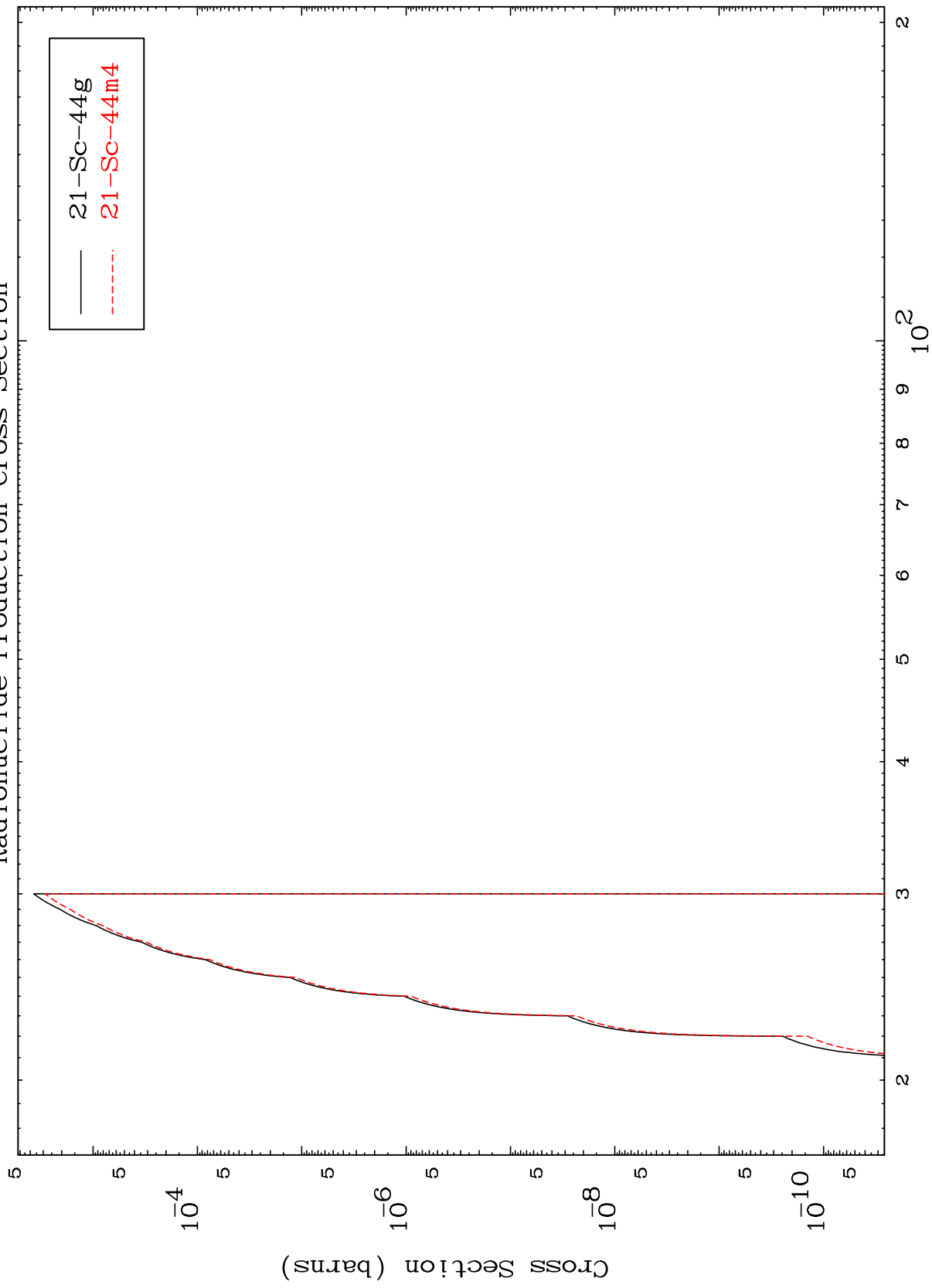
24-Cr-49







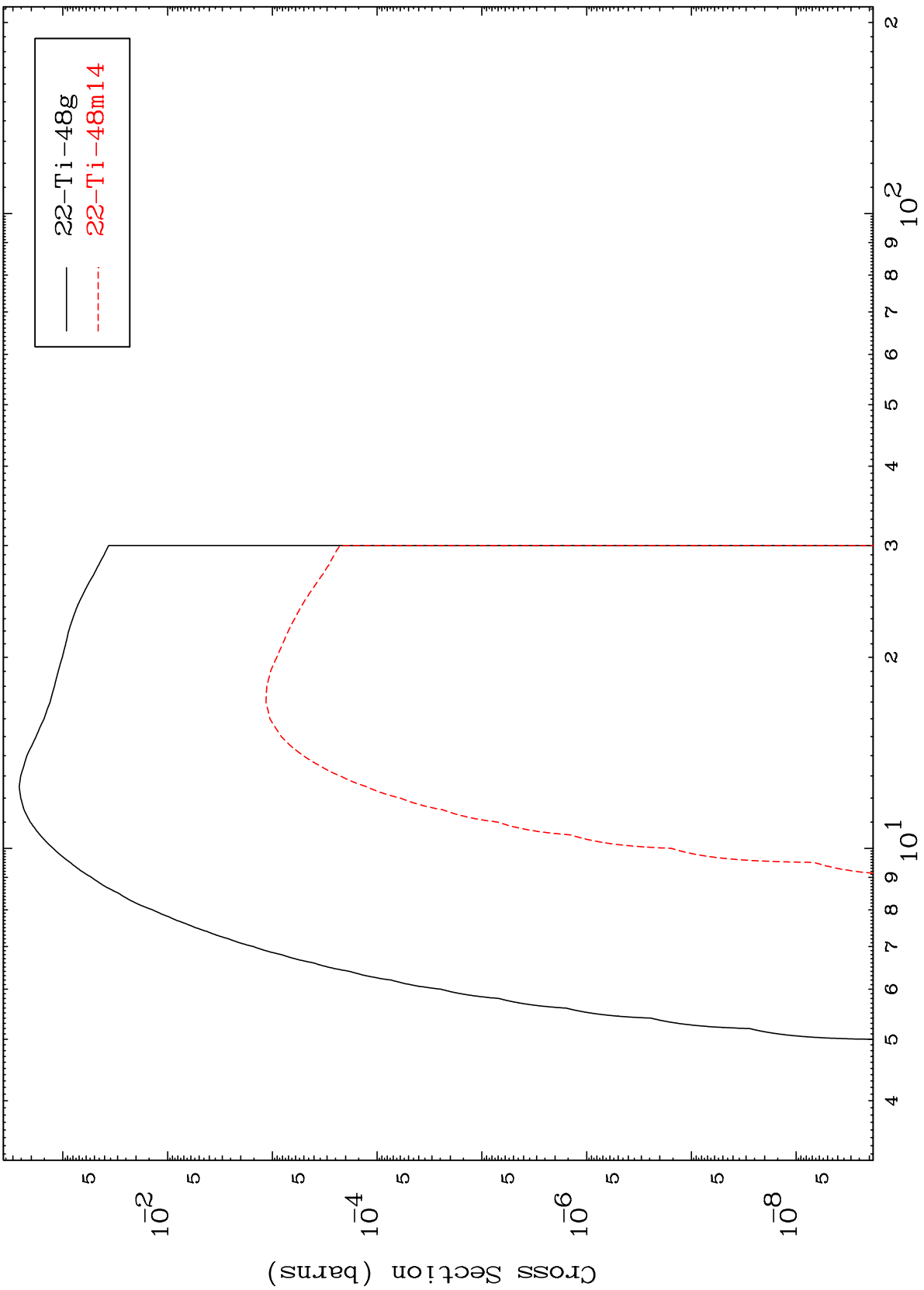
(n,n') p  $\alpha$   
Radionuclide Production Cross Section



MAT 2422

24-Cr-49

(n,2p)  
Radionuclide Production Cross Section



99

Incident Energy (MeV)

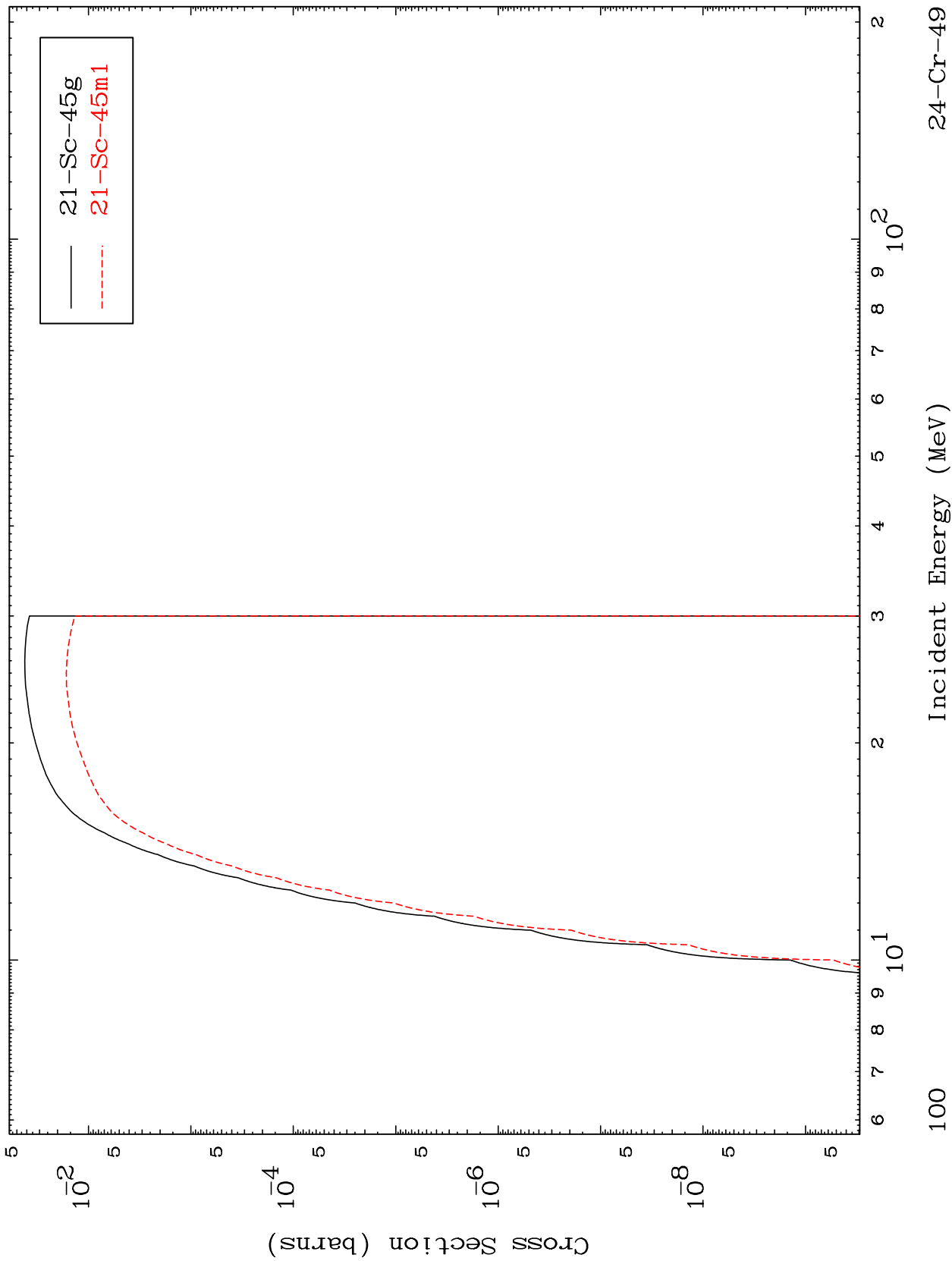
24-Cr-49

MAT 2422

(n,p)  $\alpha$

$^{24}\text{Cr-49}$

Radionuclide Production Cross Section



— 21-Sc-45g  
- - - 21-Sc-45m1

100

Incident Energy (MeV)

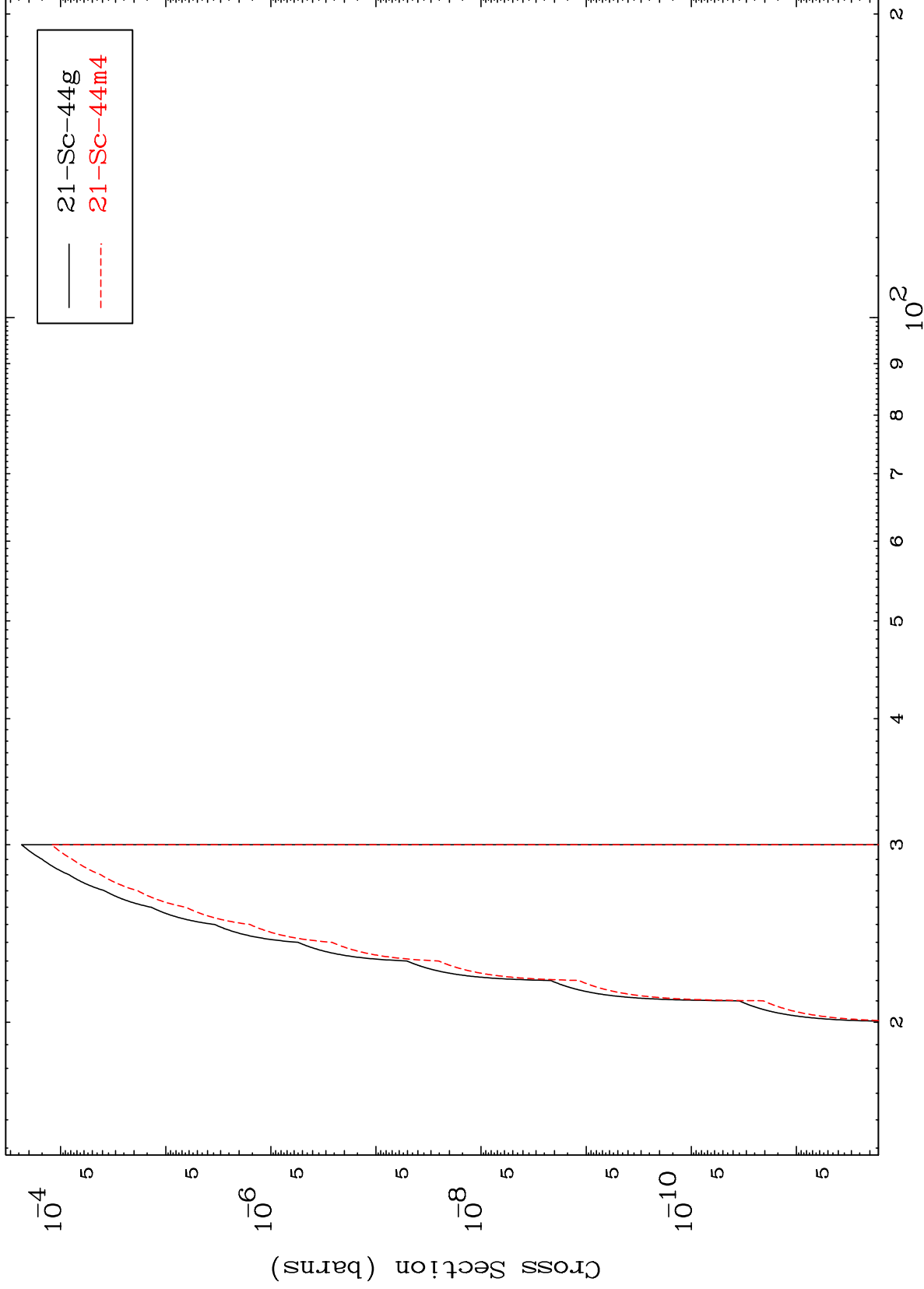
$^{24}\text{Cr-49}$

MAT 2422

(n,d)  $\alpha$

24-Cr-49

Radionuclide Production Cross Section



101

Incident Energy (MeV)

24-Cr-49