

Program EVALPLOT  
(Version 2015-2)

by

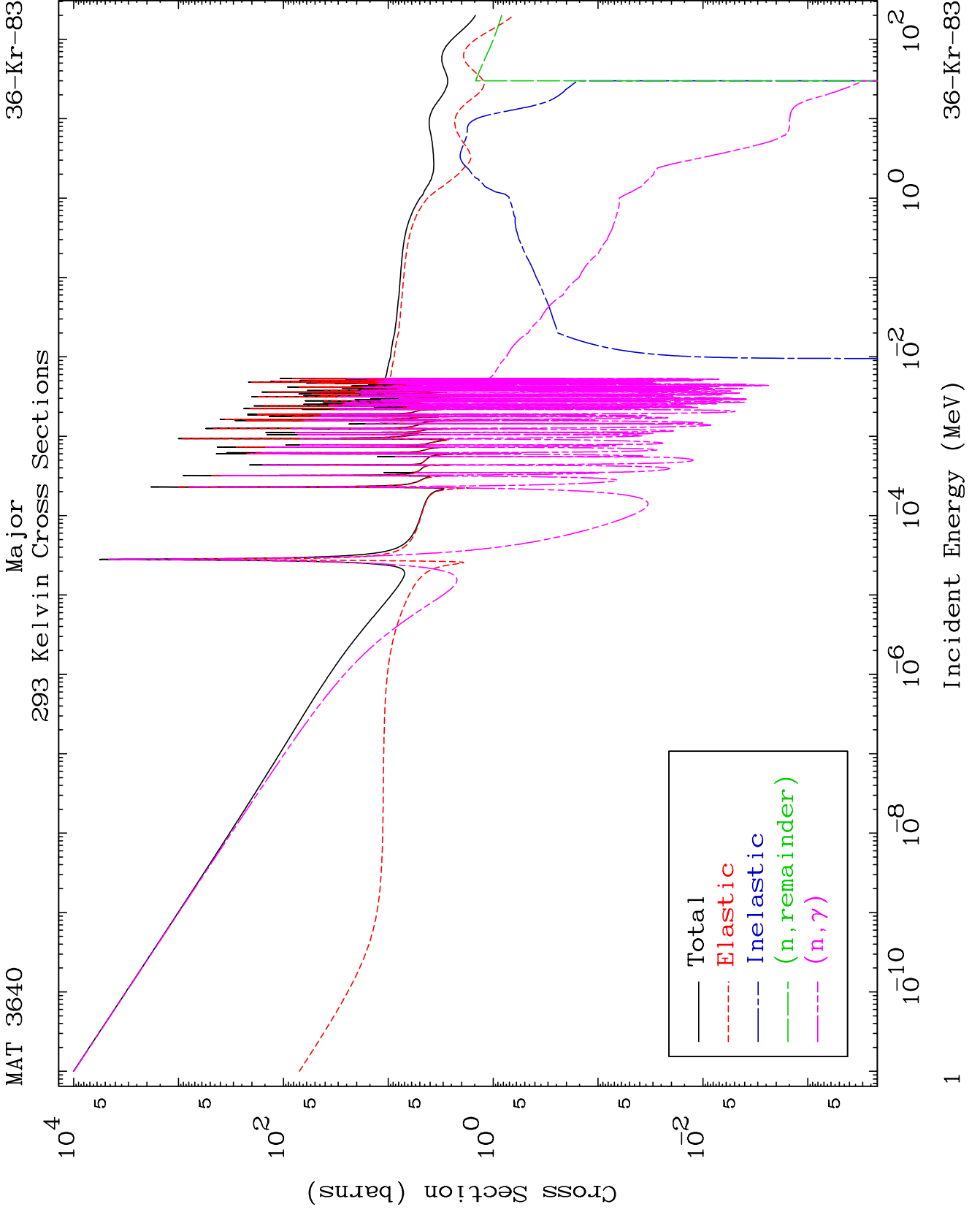
Dermott E. Cullen  
(Present Contact Information)

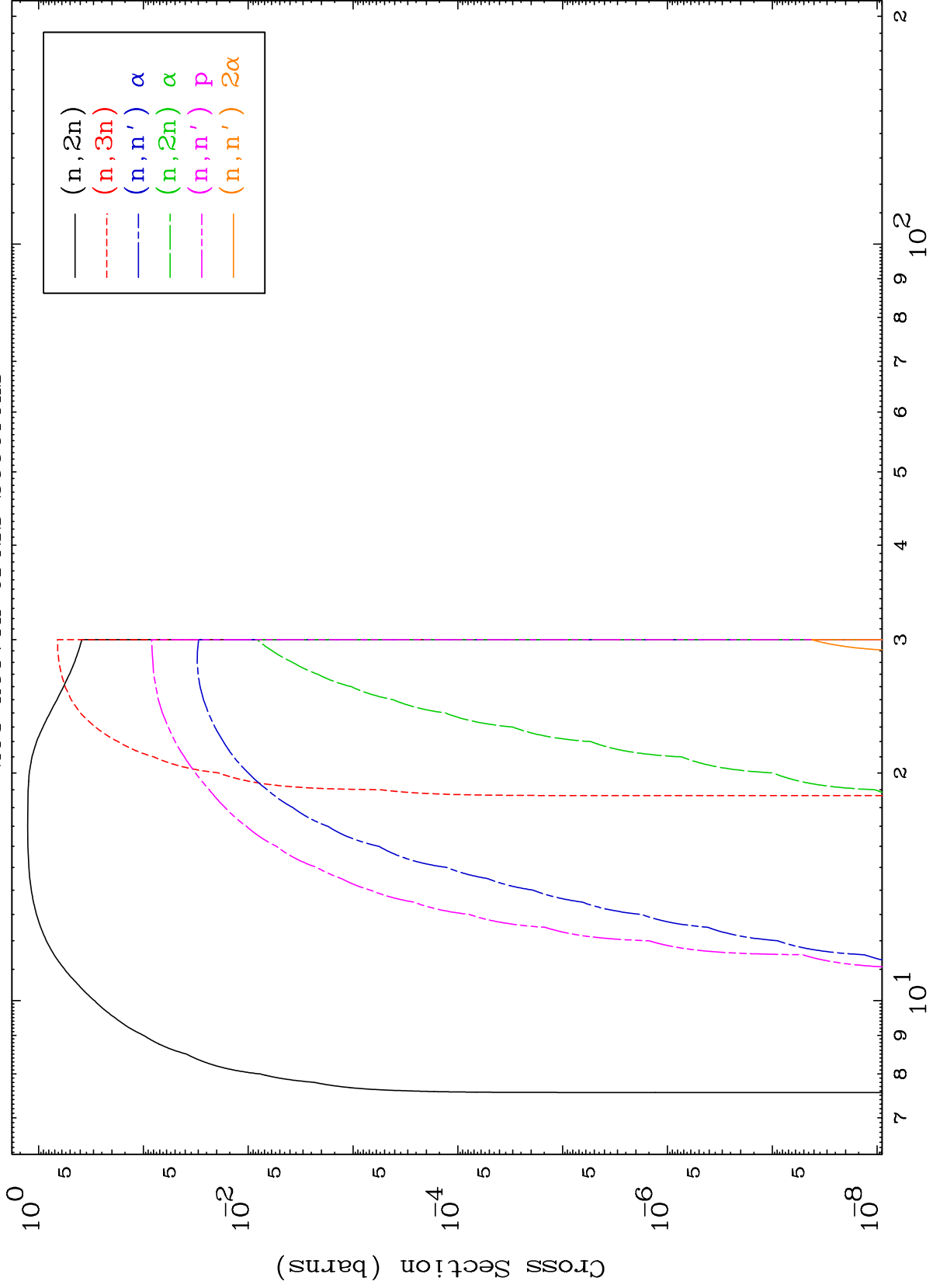
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

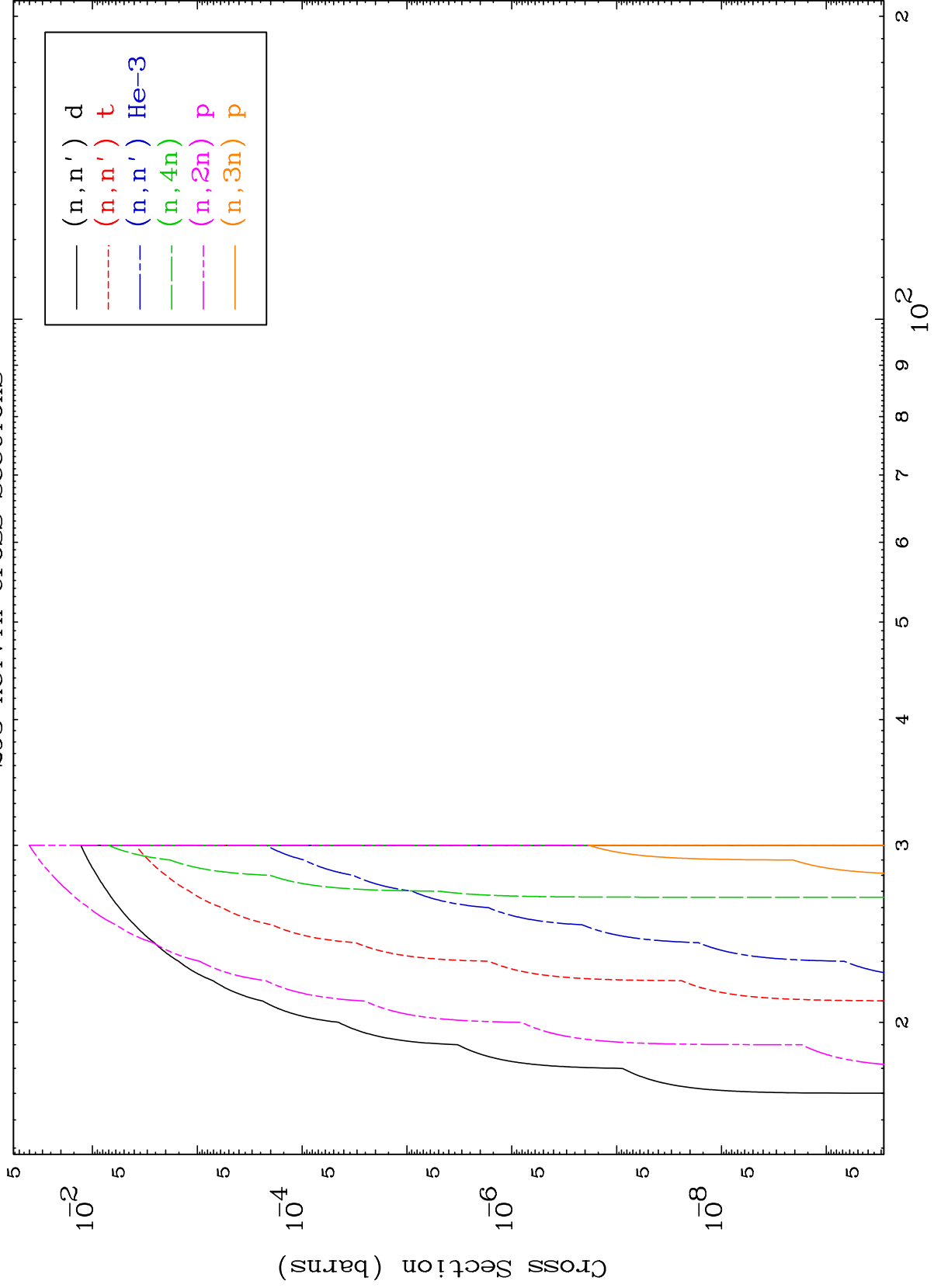
Tele: 925-443-1911

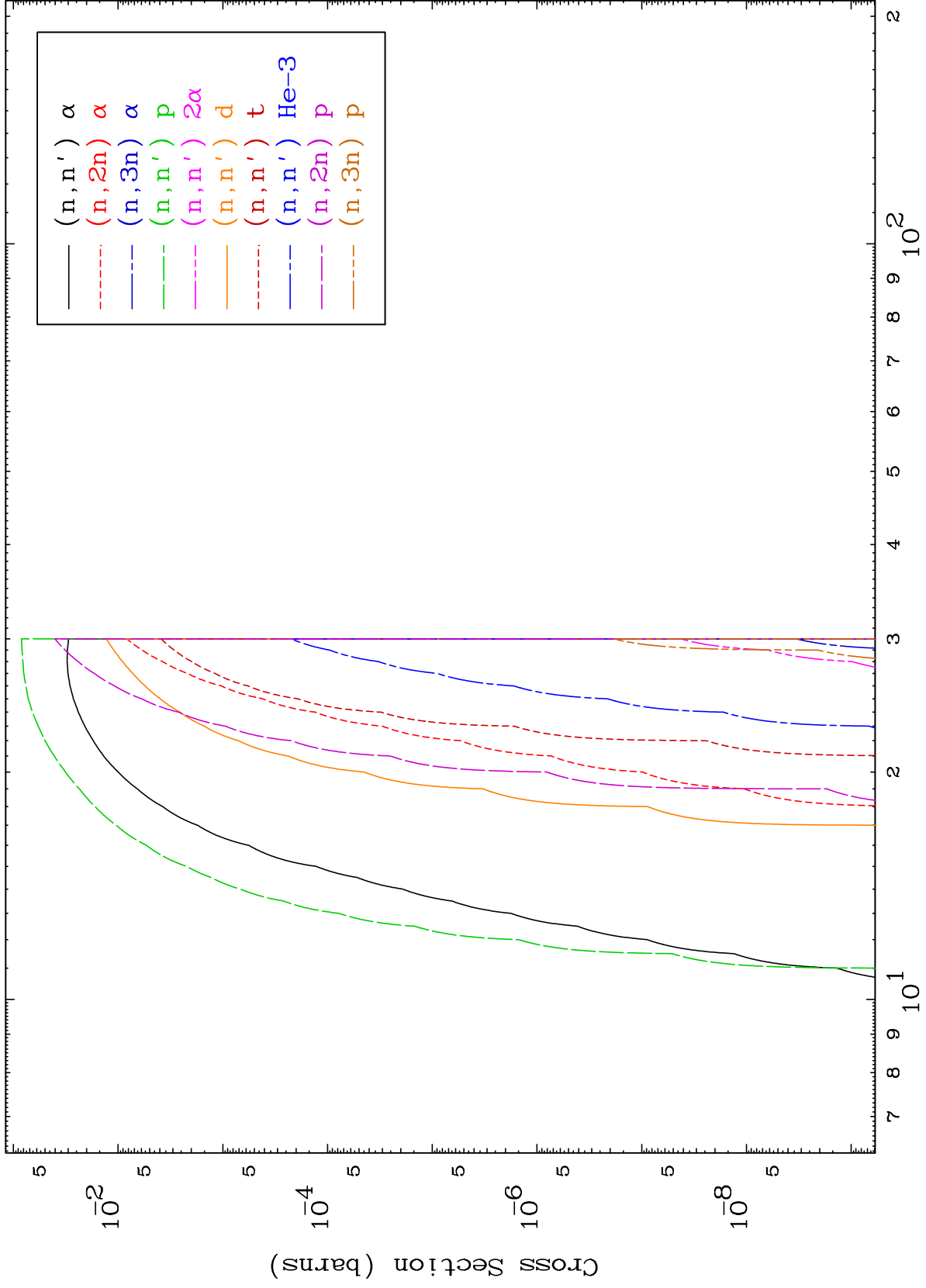
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start





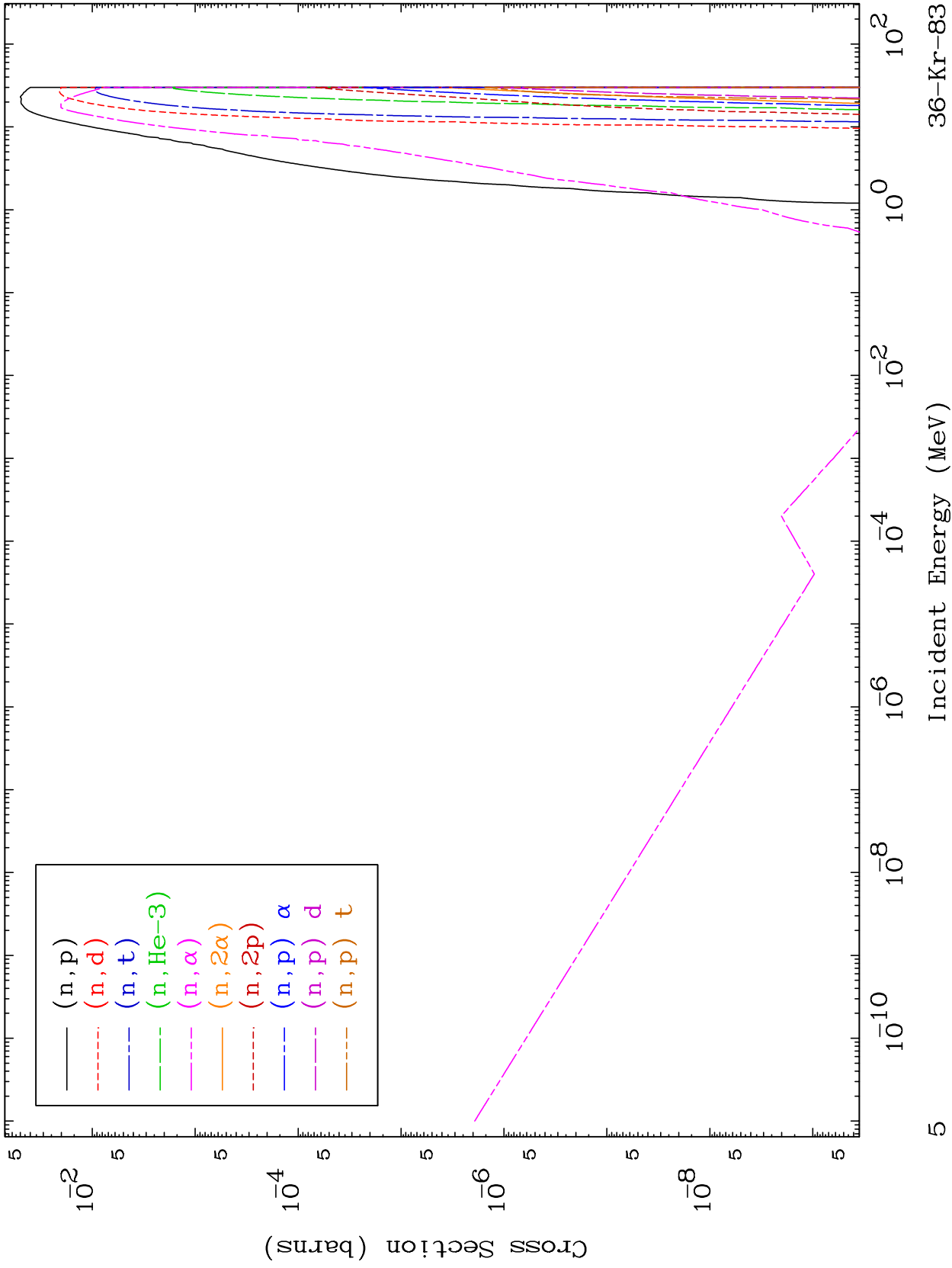




MAT 3640

Charged Particle  
293 Kelvin Cross Sections

36-Kr-83

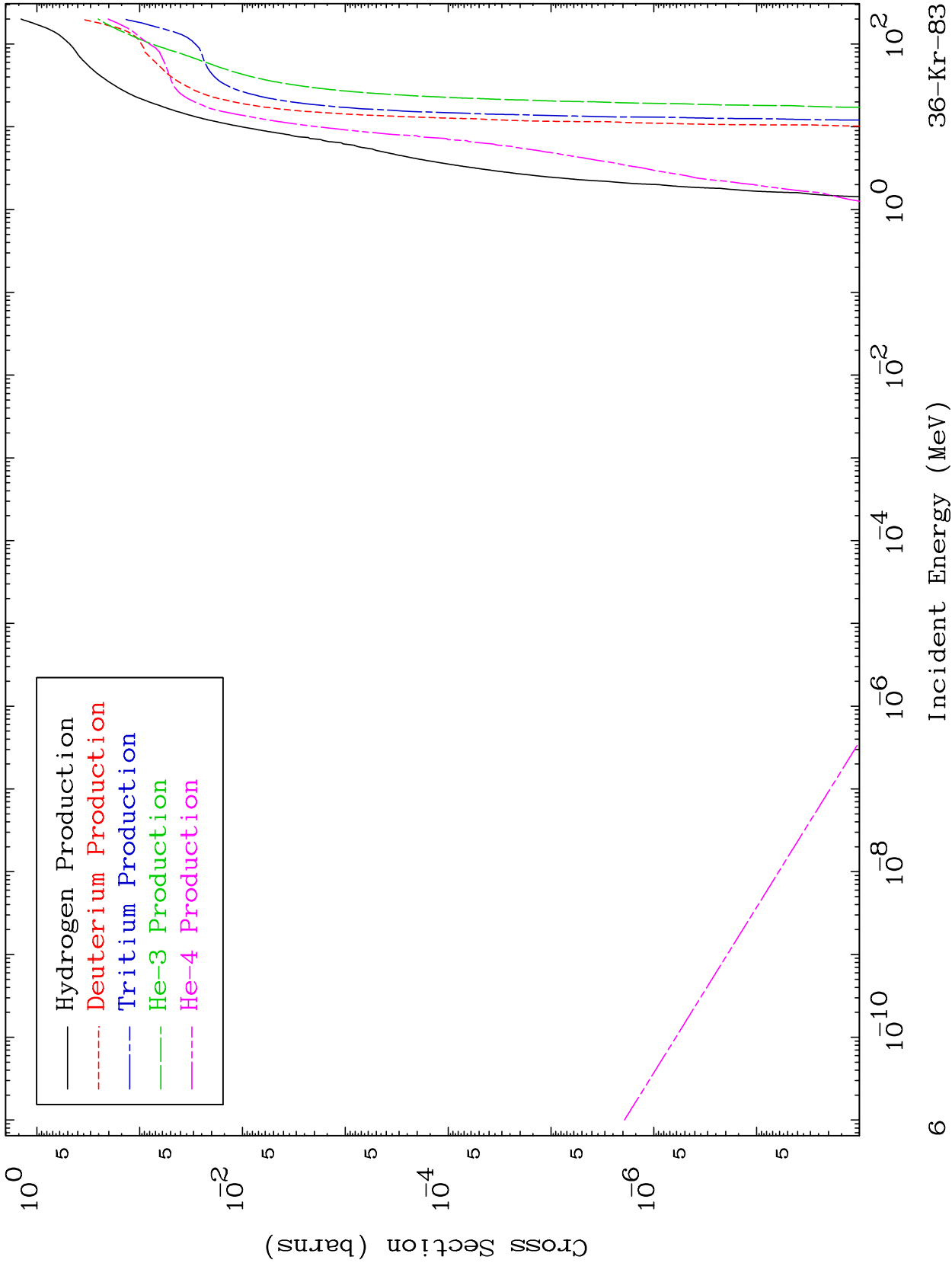


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MAT 3640

Particle Production  
293 Kelvin Cross Sections

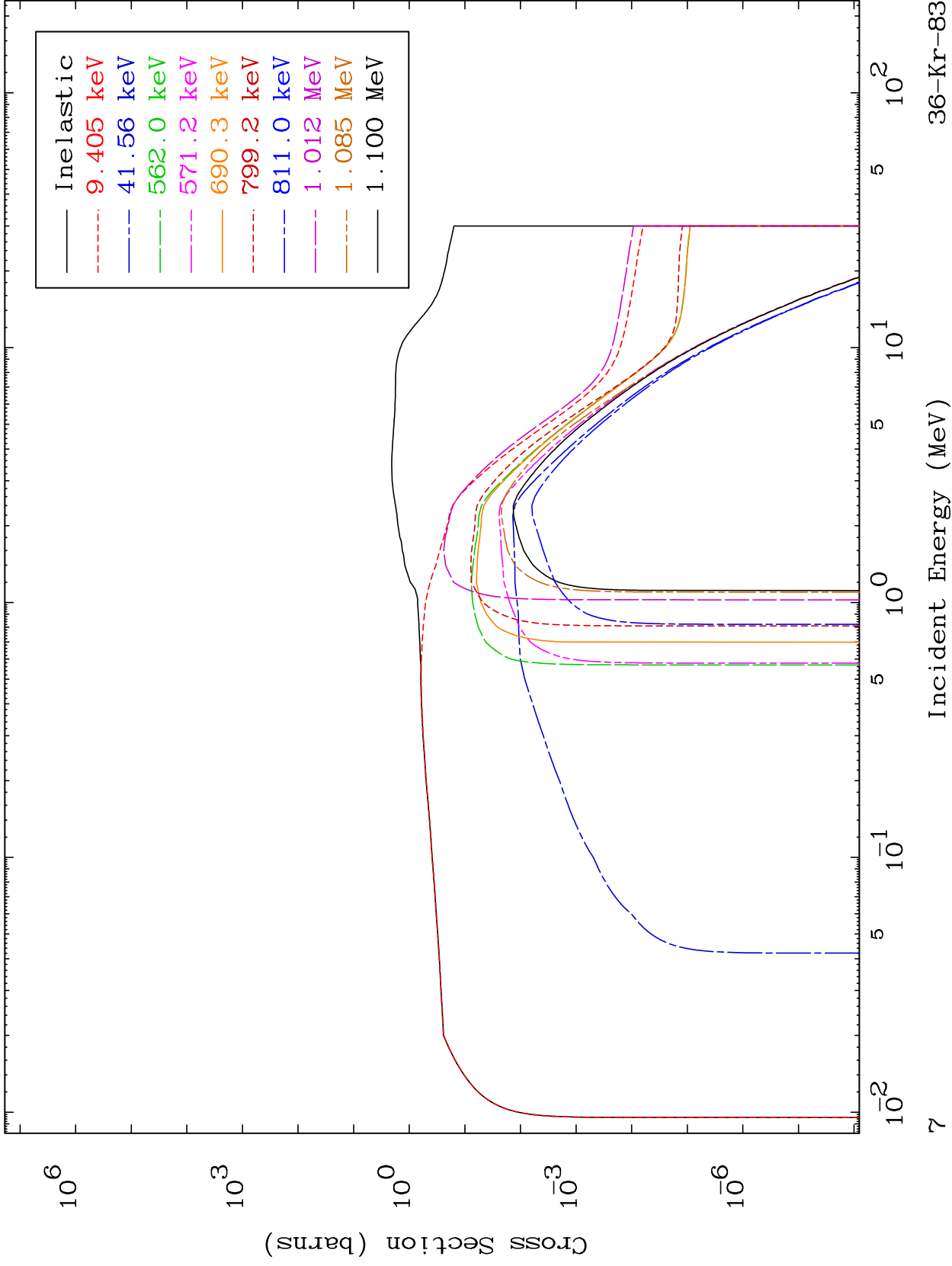
36-Kr-83



MAT 3640

(n,n') Level  
293 Kelvin Cross Sections

36-Kr-83



36-Kr-83

Incident Energy (MeV)

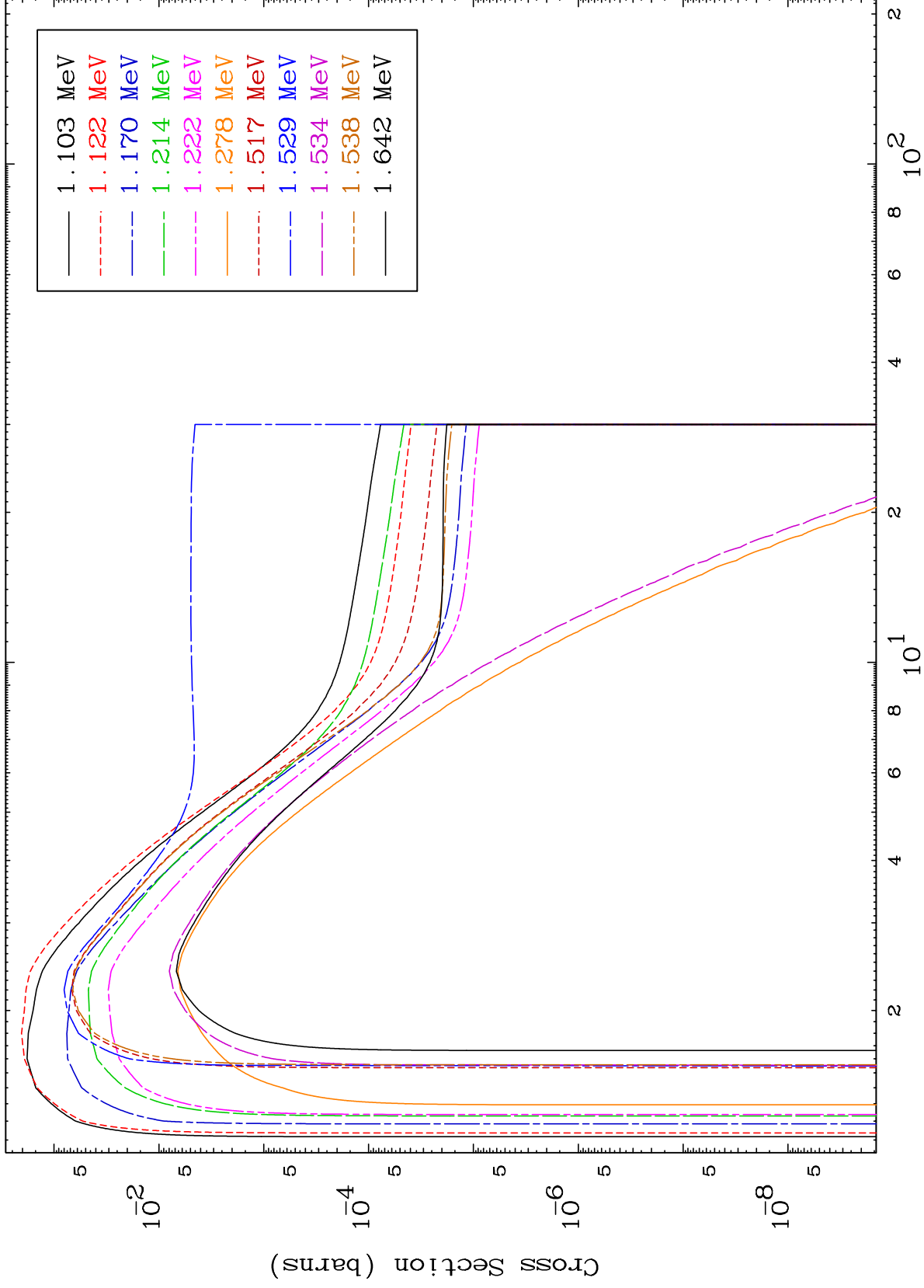
7



MAT 3640

(n,n') Level  
293 Kelvin Cross Sections

36-Kr-83



8

Incident Energy (MeV)

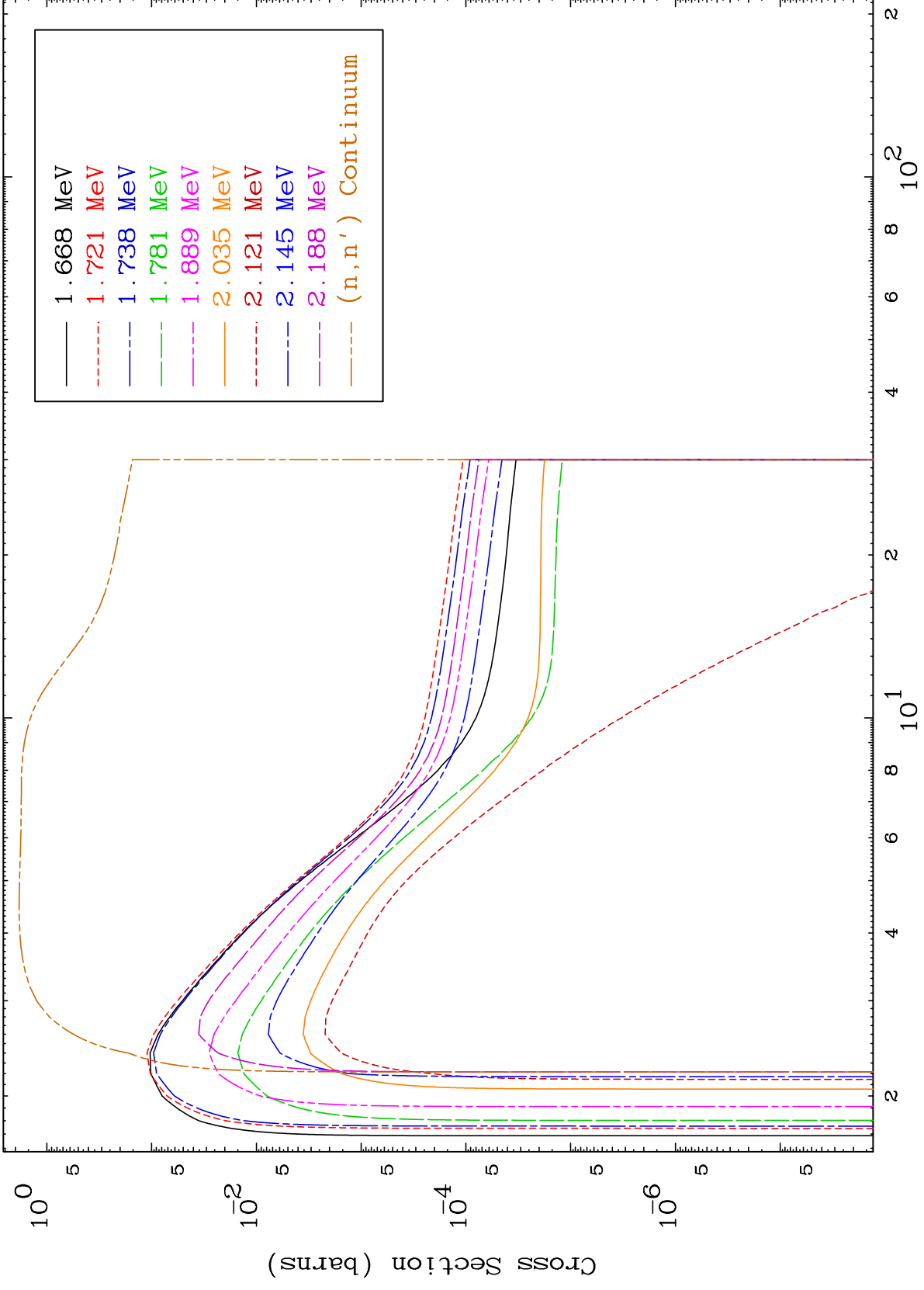
36-Kr-83

MAT 3640

(n,n') Level

36-Kr-83

293 Kelvin Cross Sections



9

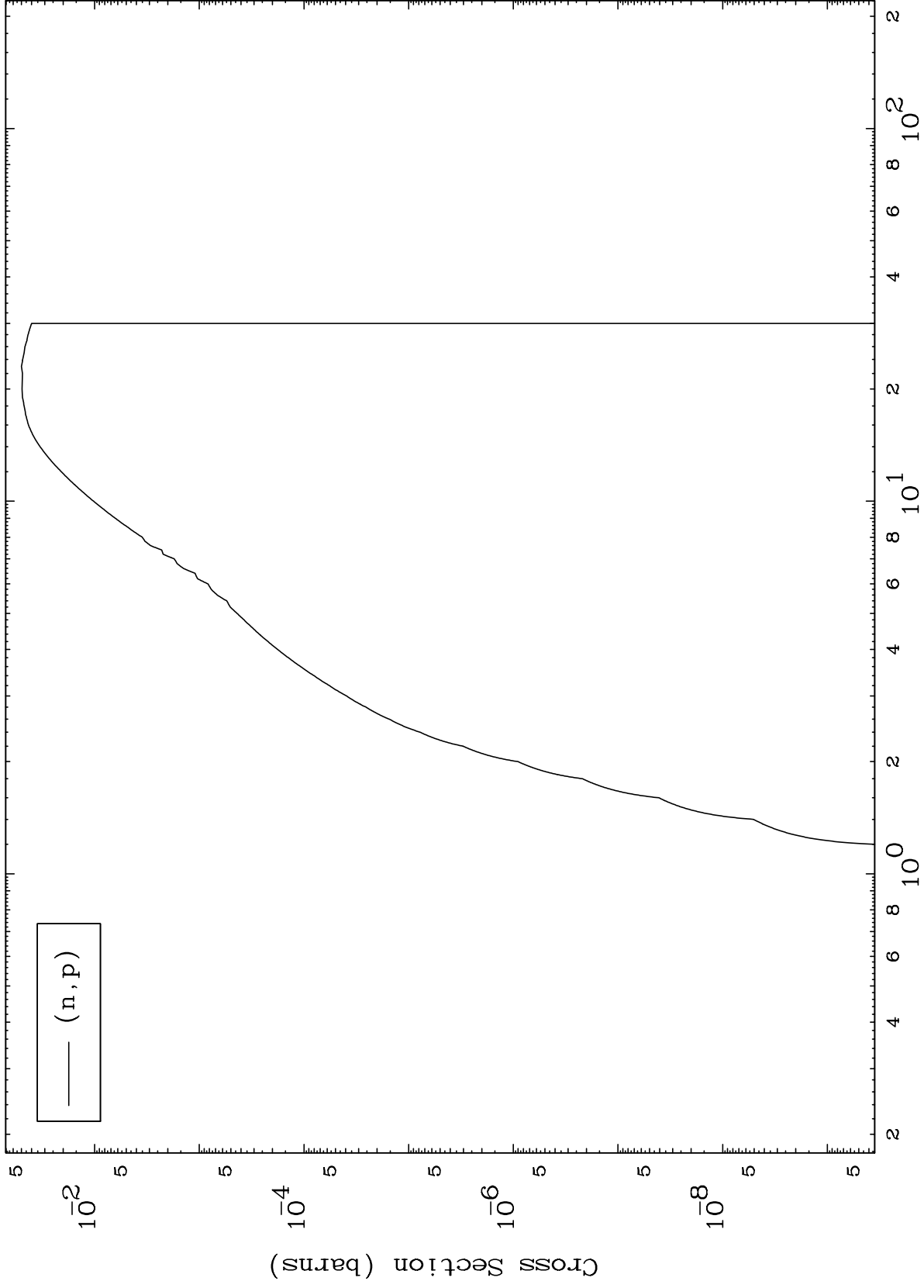
Incident Energy (MeV)

36-Kr-83

MAT 3640

(n,p) Levels  
293 Kelvin Cross Sections

36-Kr-83



10

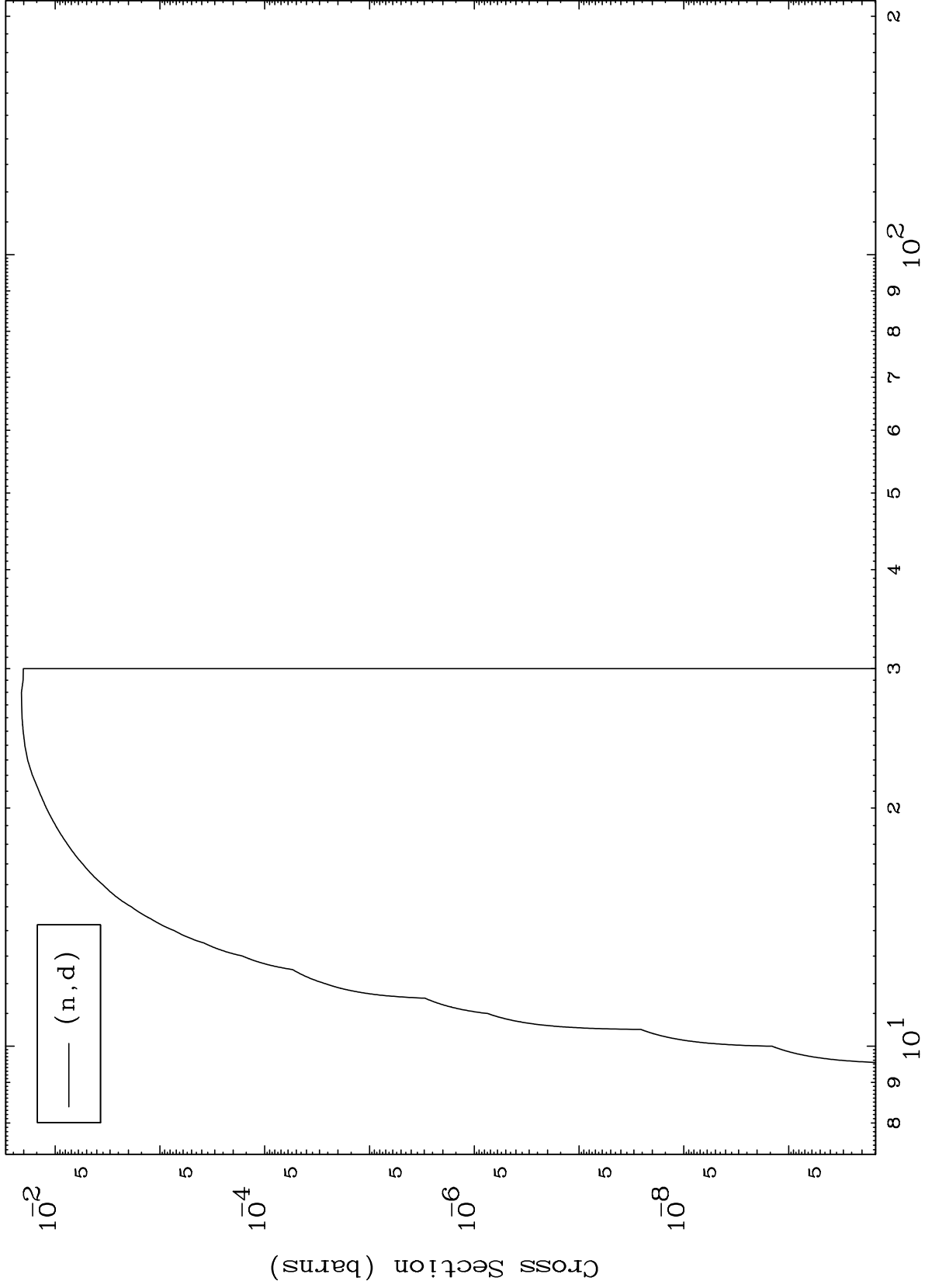
Incident Energy (MeV)

36-Kr-83

MAT 3640

(n,d) Levels  
293 Kelvin Cross Sections

36-Kr-83



11

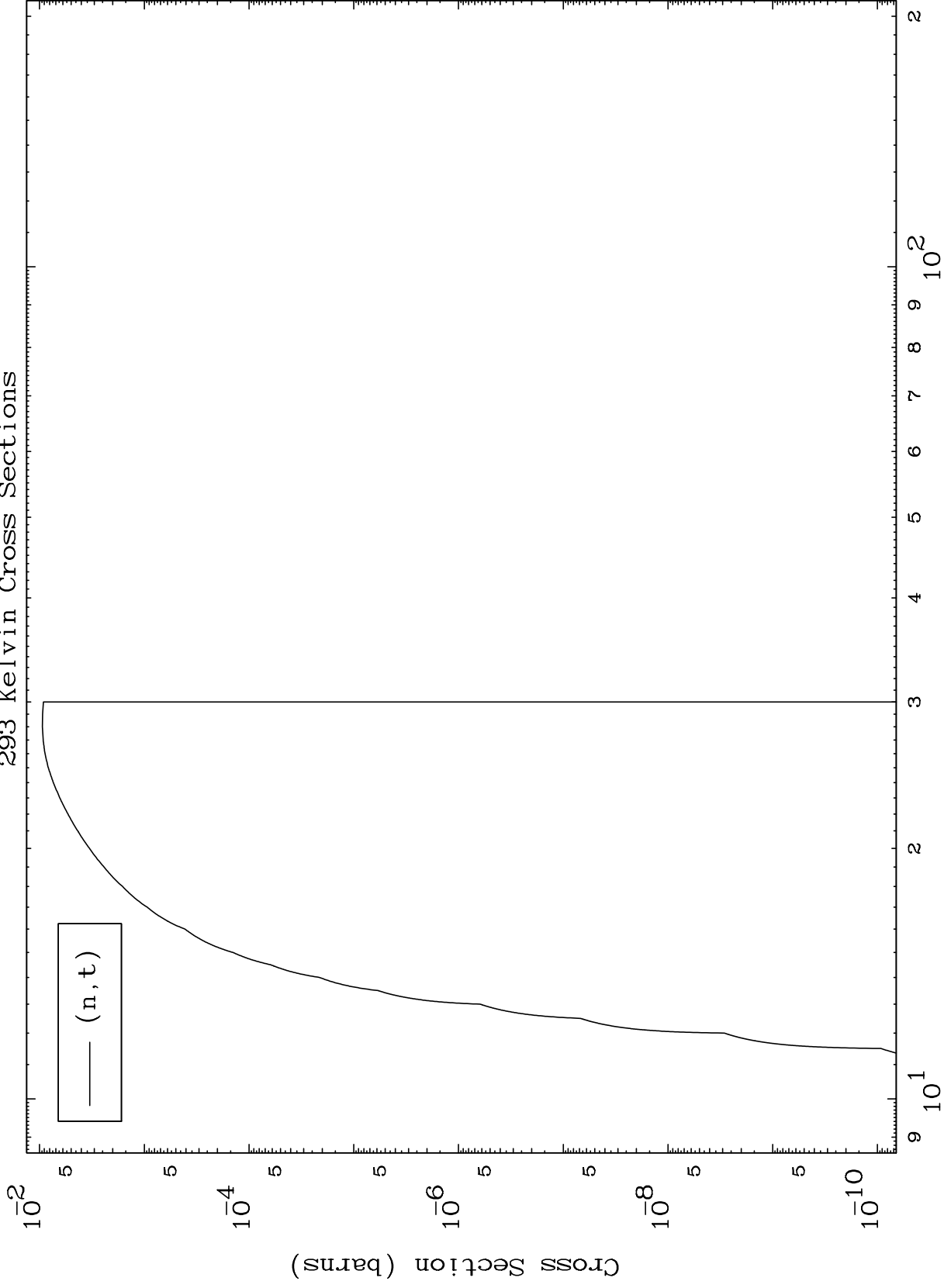
Incident Energy (MeV)

36-Kr-83

MAT 3640

(n,t) Levels  
293 Kelvin Cross Sections

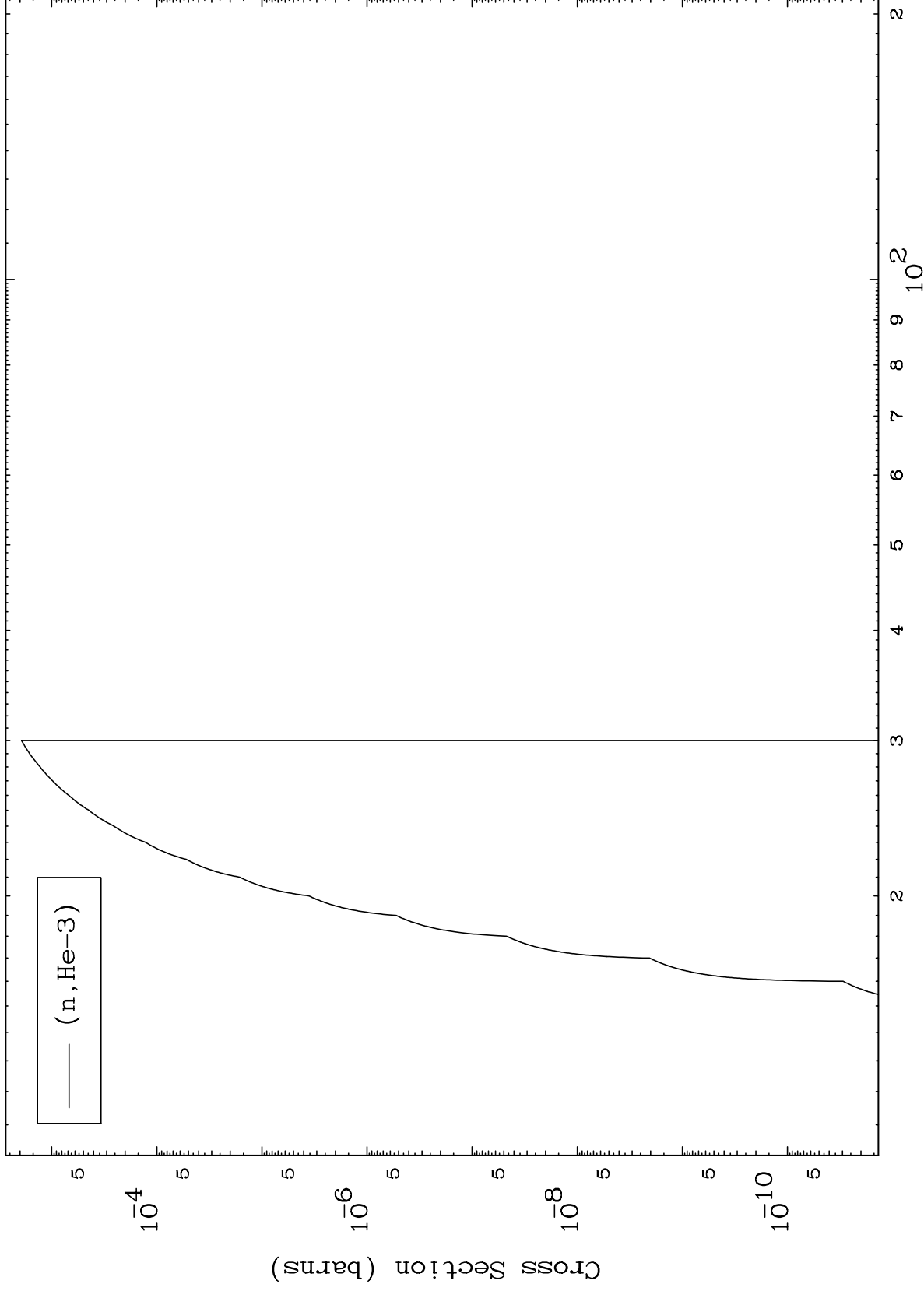
36-Kr-83



12

Incident Energy (MeV)

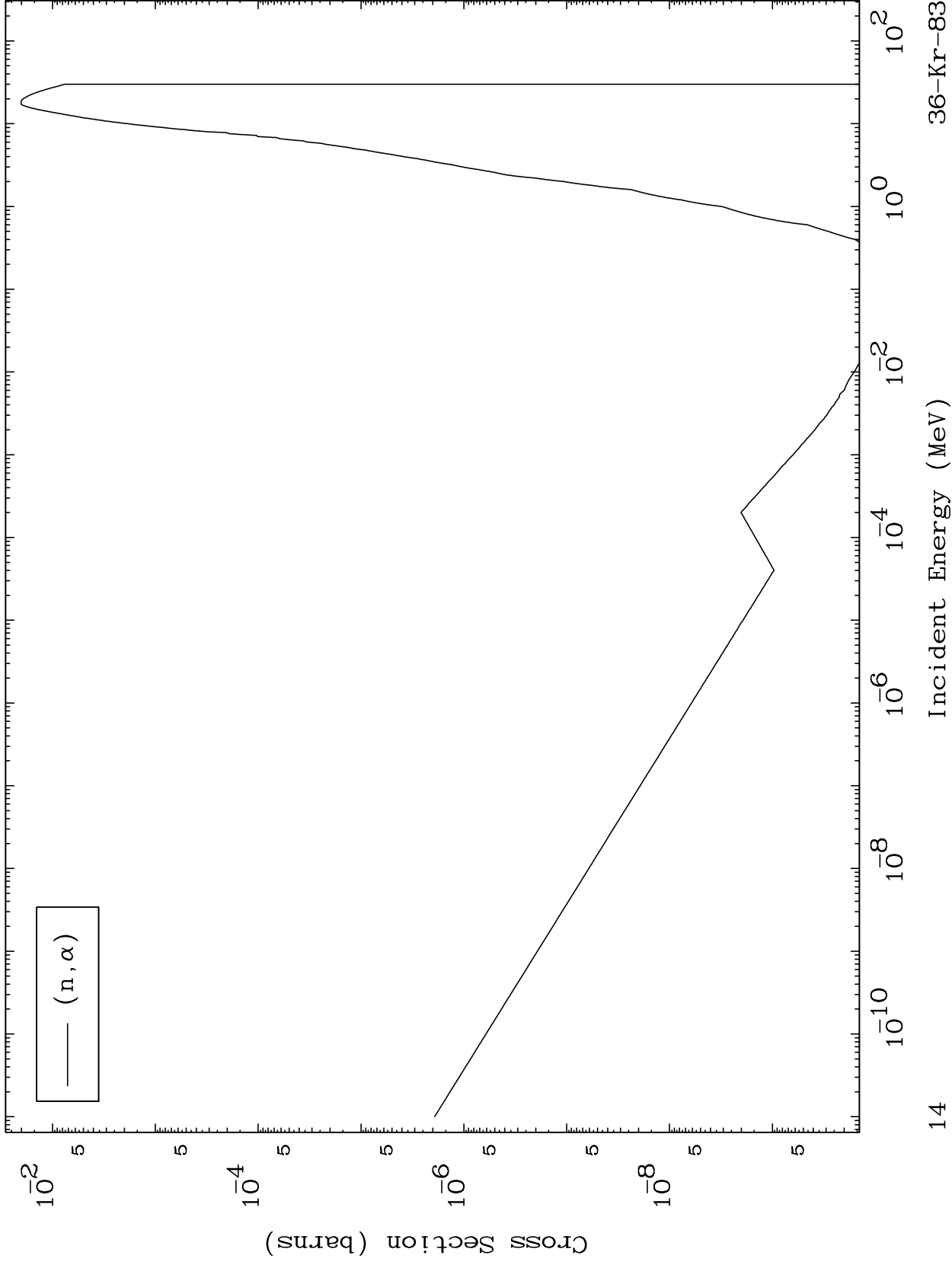
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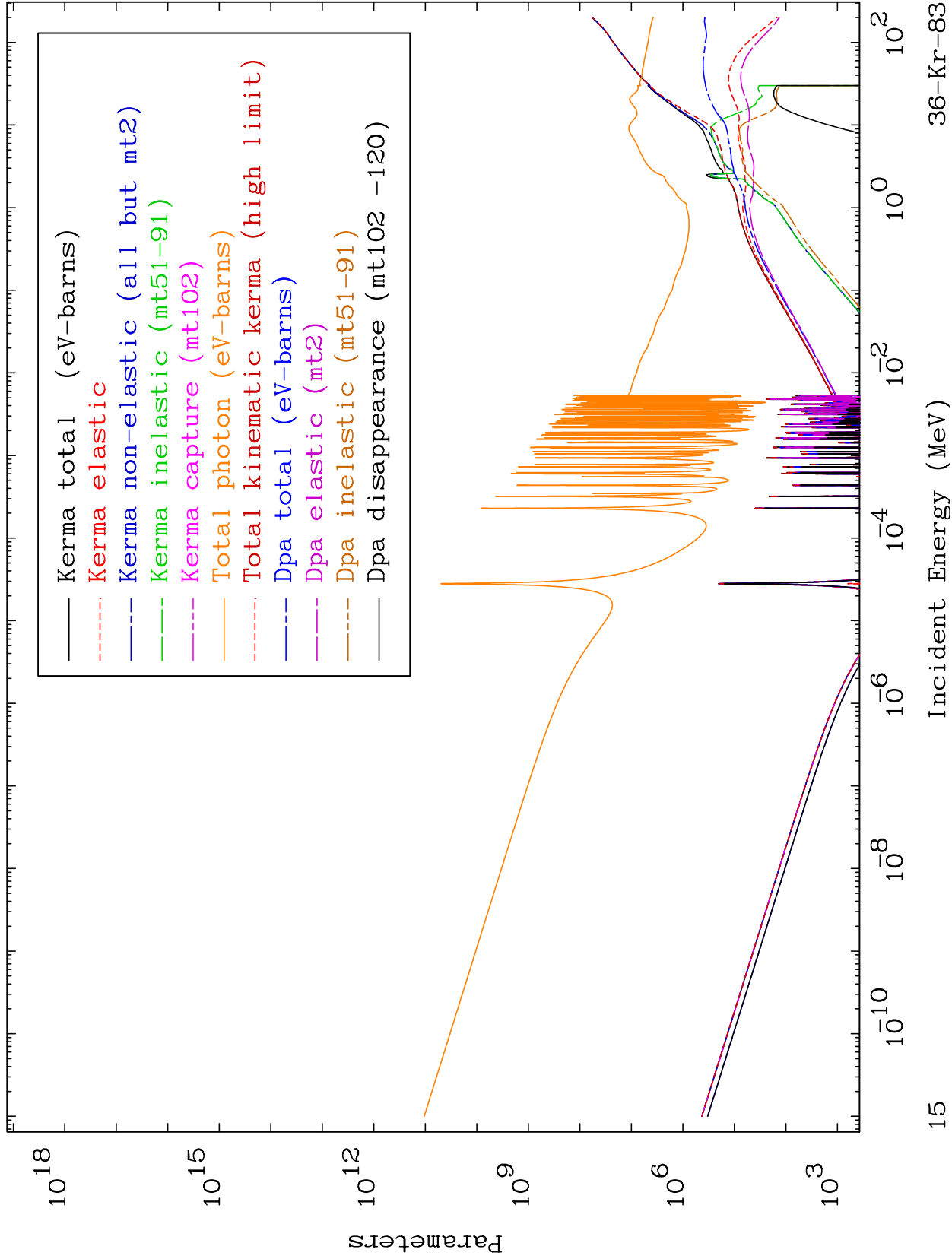


MAT 3640

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

36-Kr-83



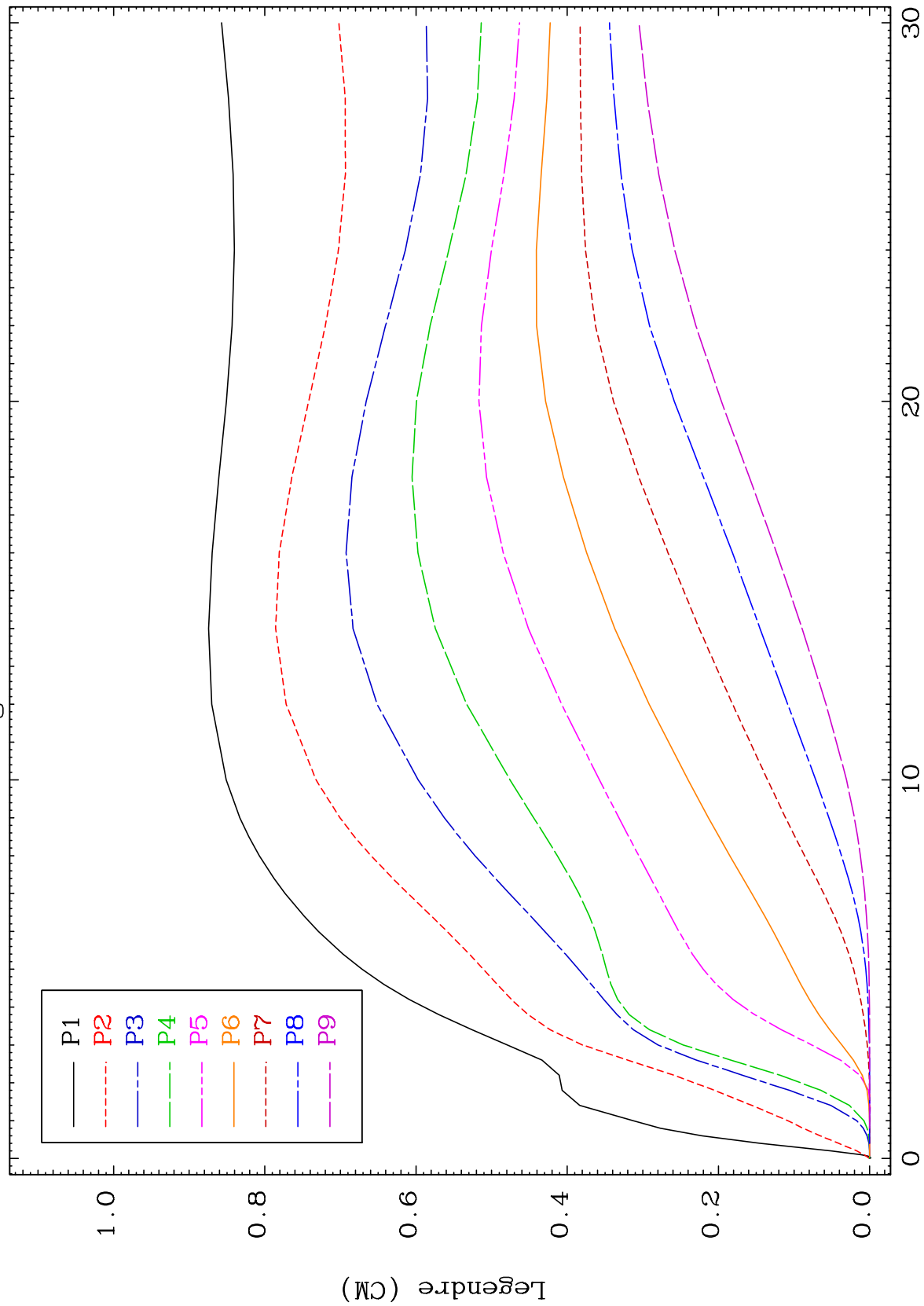




MAT 3640

Elastic Legendre Coefficients

36-Kr-83



16

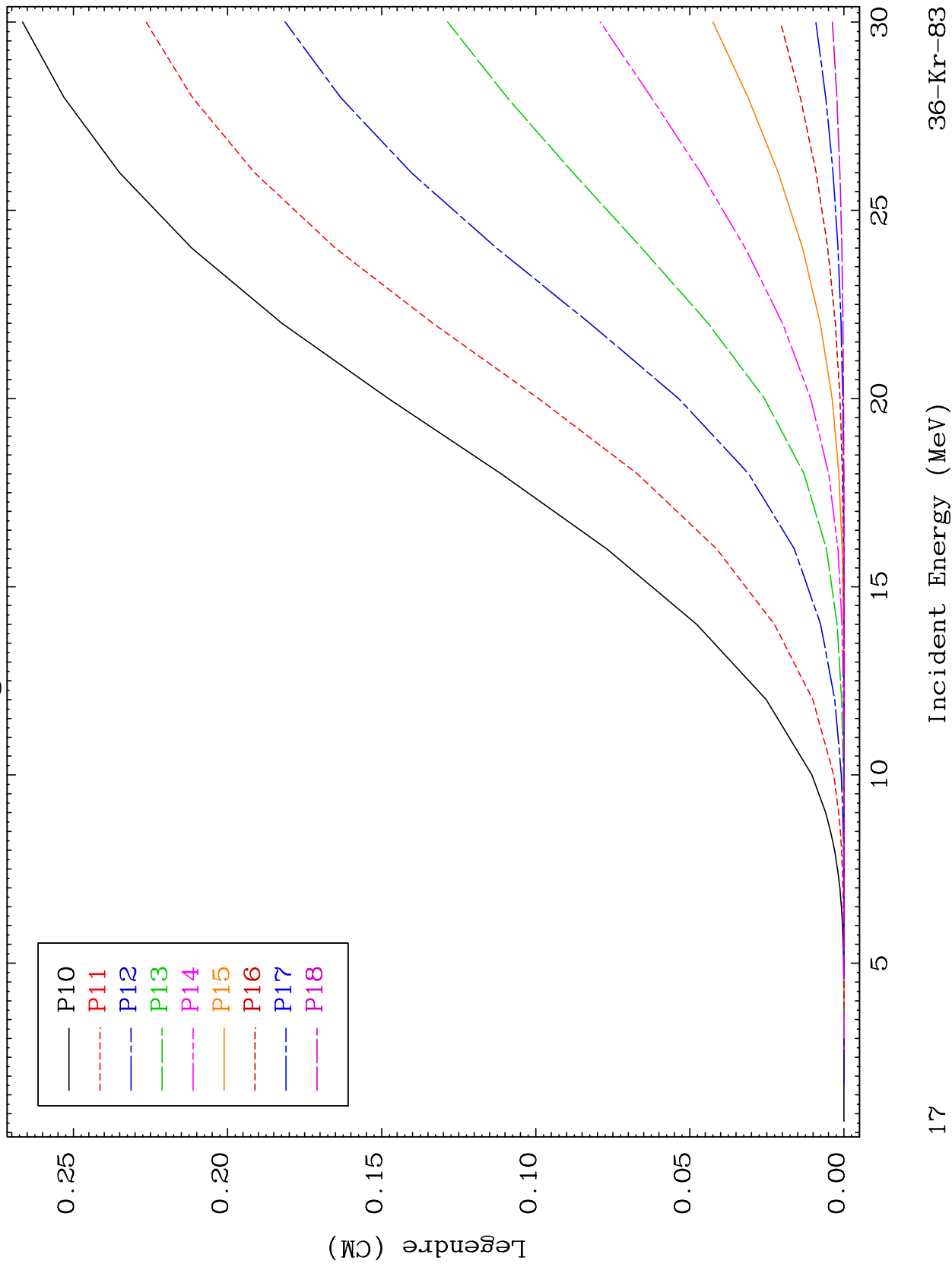
Incident Energy (MeV)

36-Kr-83

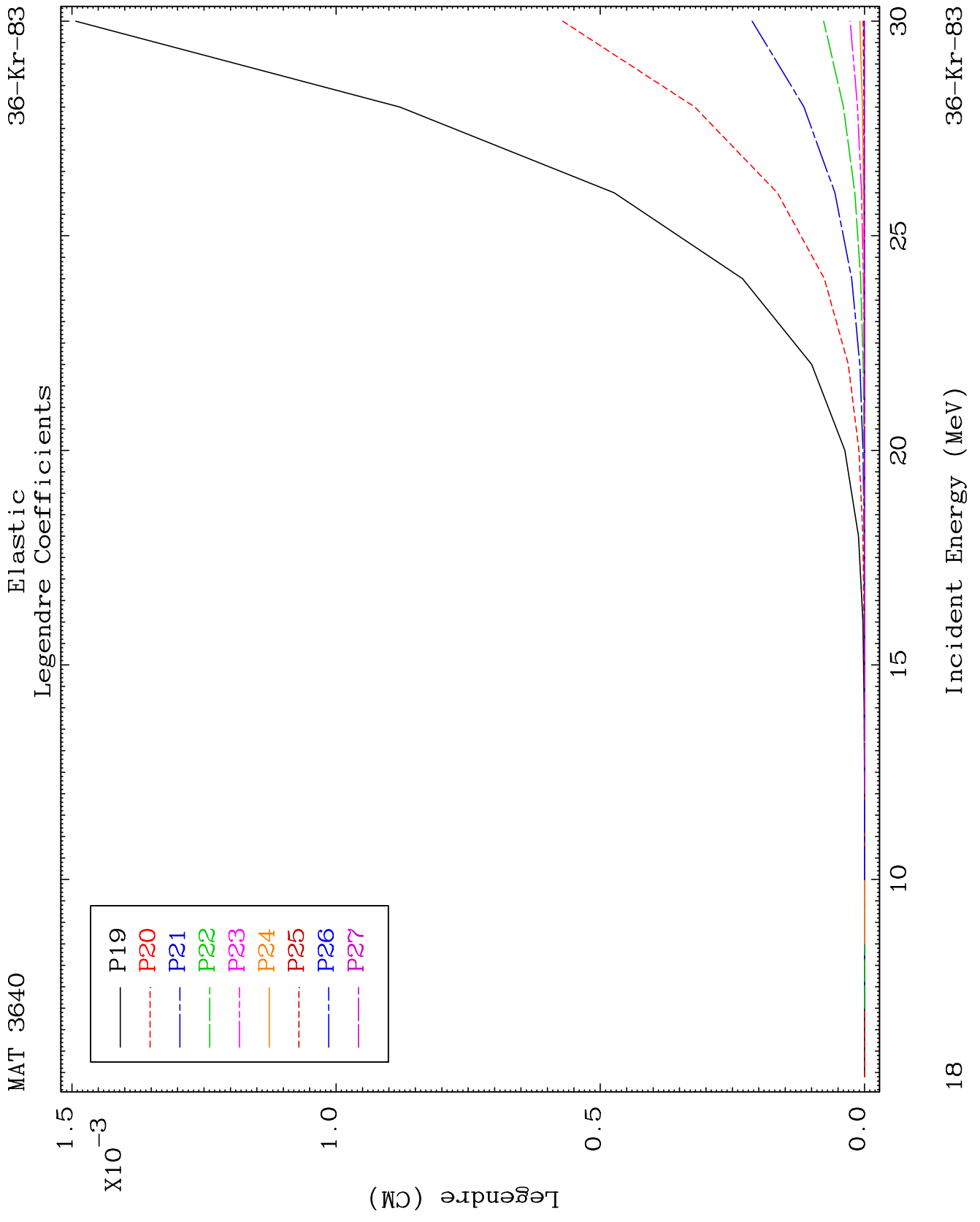
MAT 3640

Elastic Legendre Coefficients

36-Kr-83



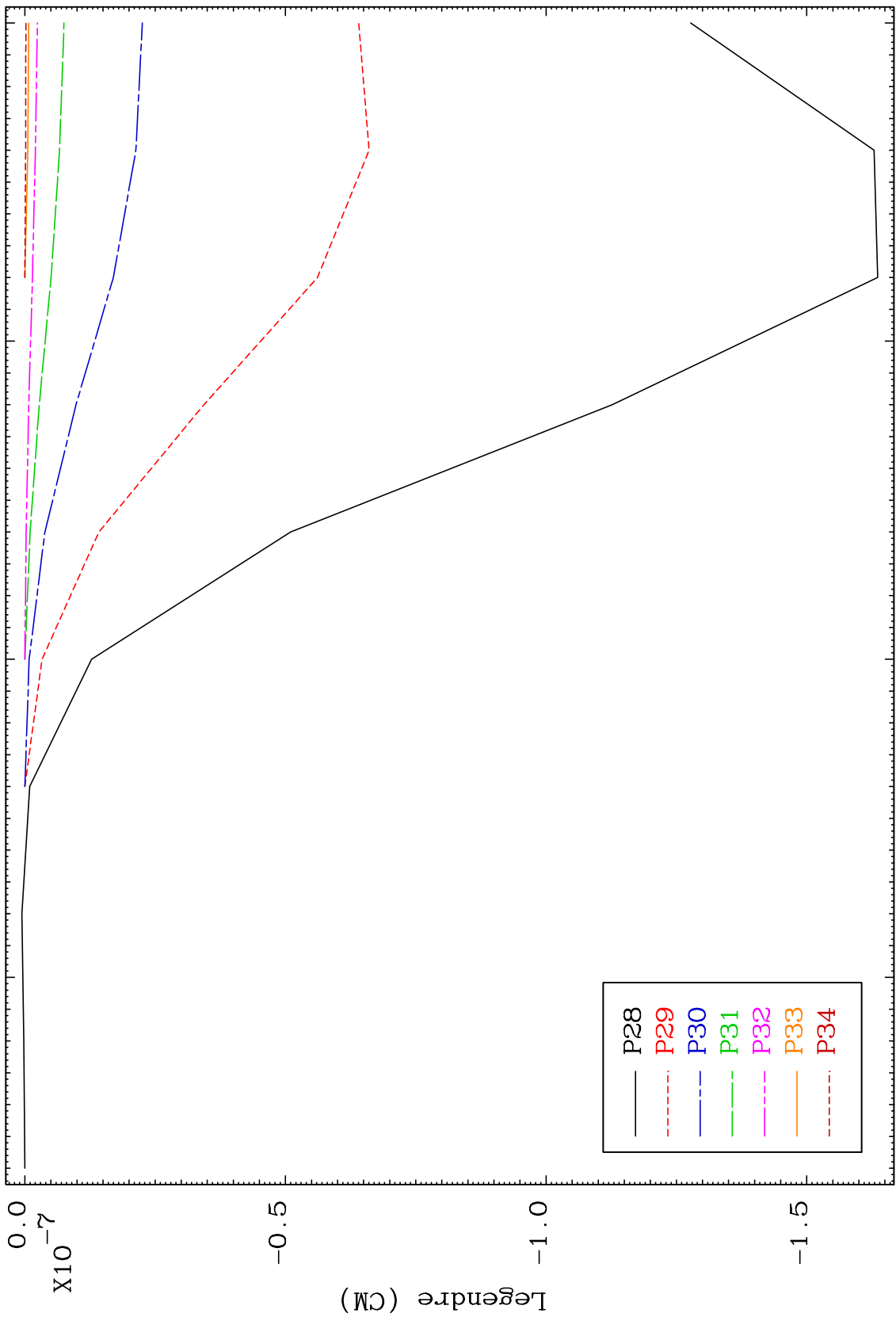
17



MAT 3640

36-Kr-83

Elastic Legendre Coefficients



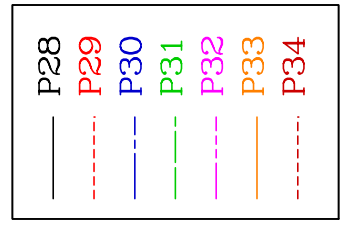
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X10<sup>-7</sup>

-0.5

-1.0

-1.5

Legendre (CM)



15

20

25

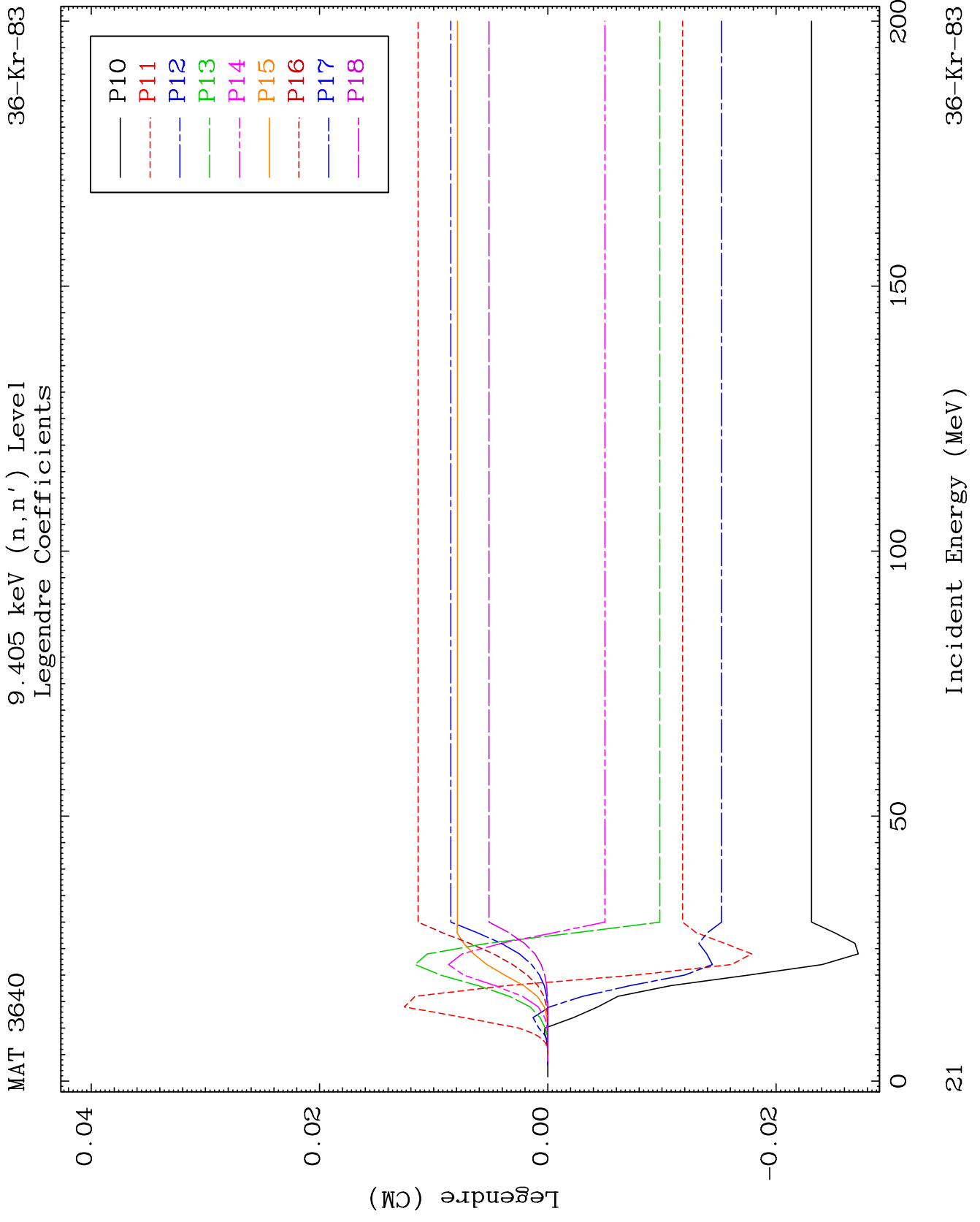
30

19

Incident Energy (MeV)

36-Kr-83

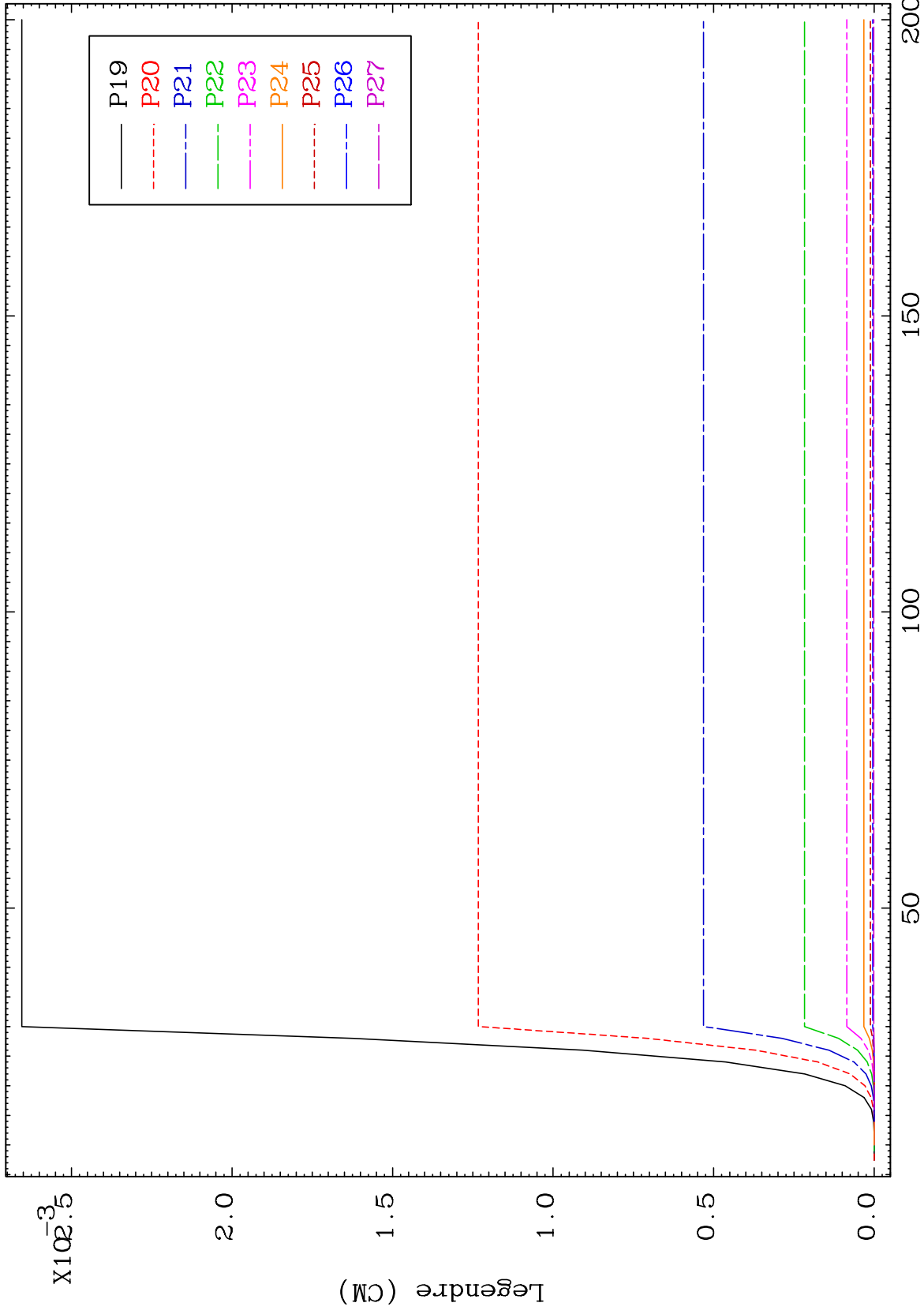




MAT 3640

9.405 keV (n,n') Level  
Legendre Coefficients

36-Kr-83



22

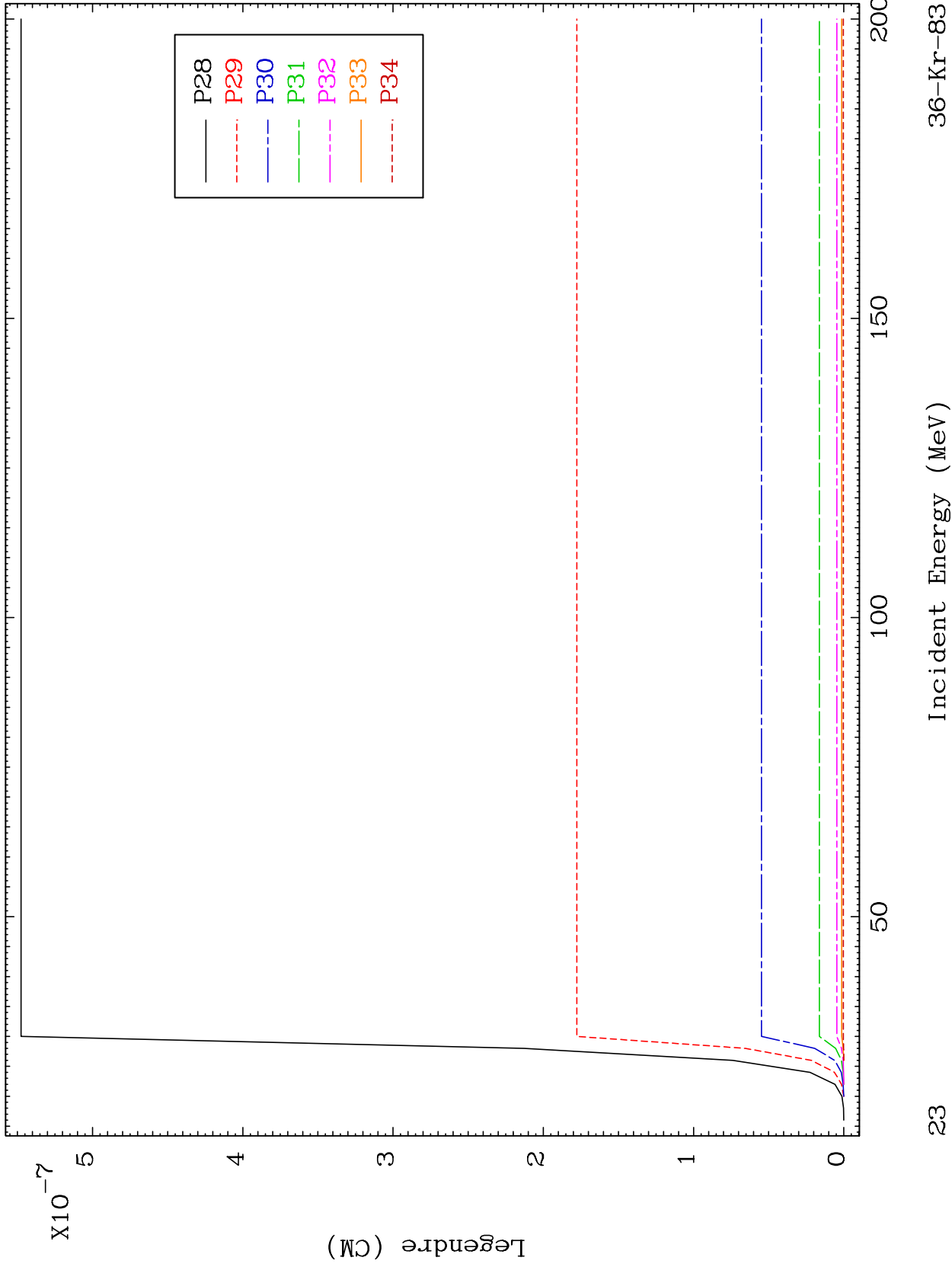
Incident Energy (MeV)

36-Kr-83

MAT 3640

9.405 keV (n,n') Level  
Legendre Coefficients

36-Kr-83

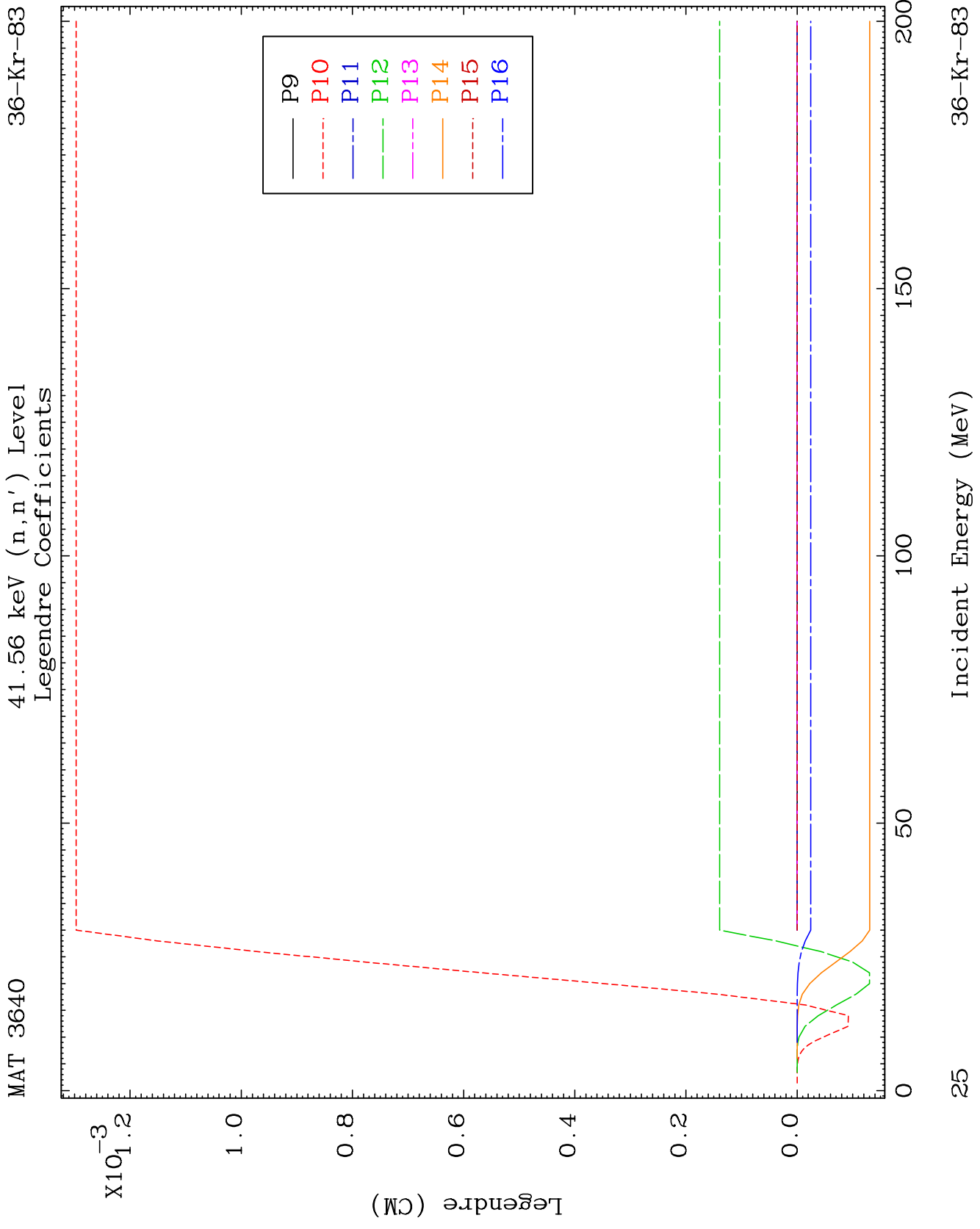


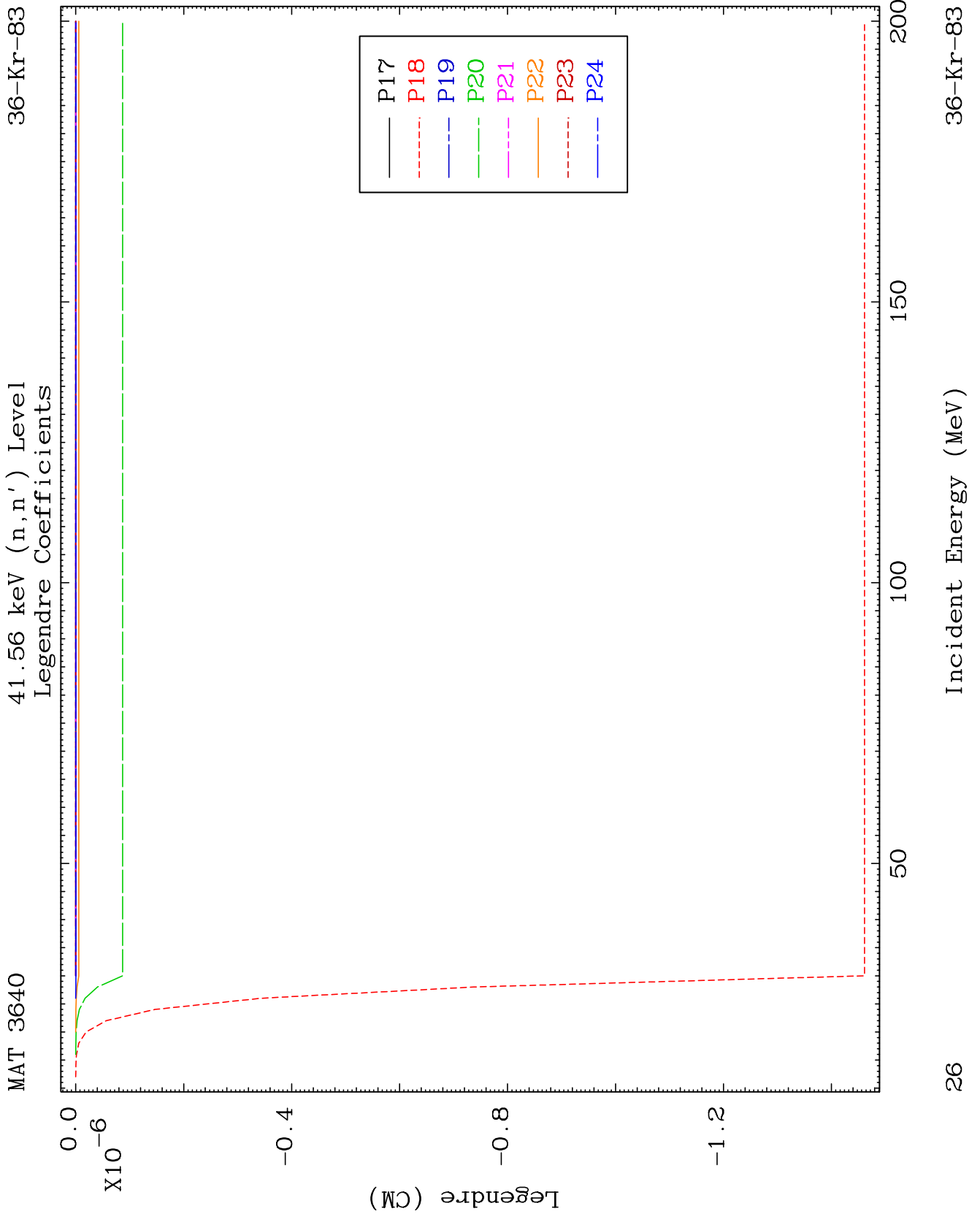
23

36-Kr-83





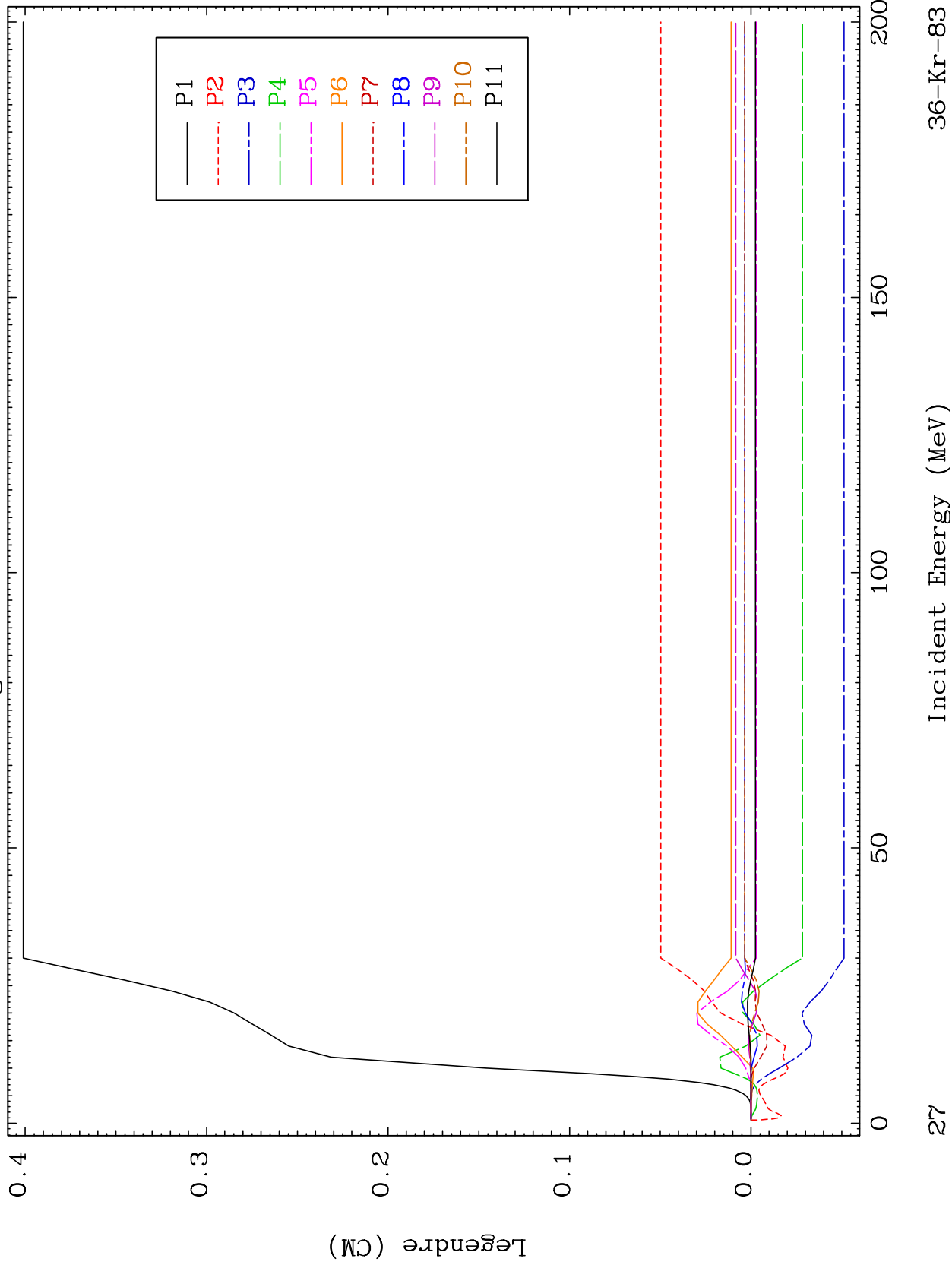




MAT 3640

562.0 keV (n,n') Level  
Legendre Coefficients

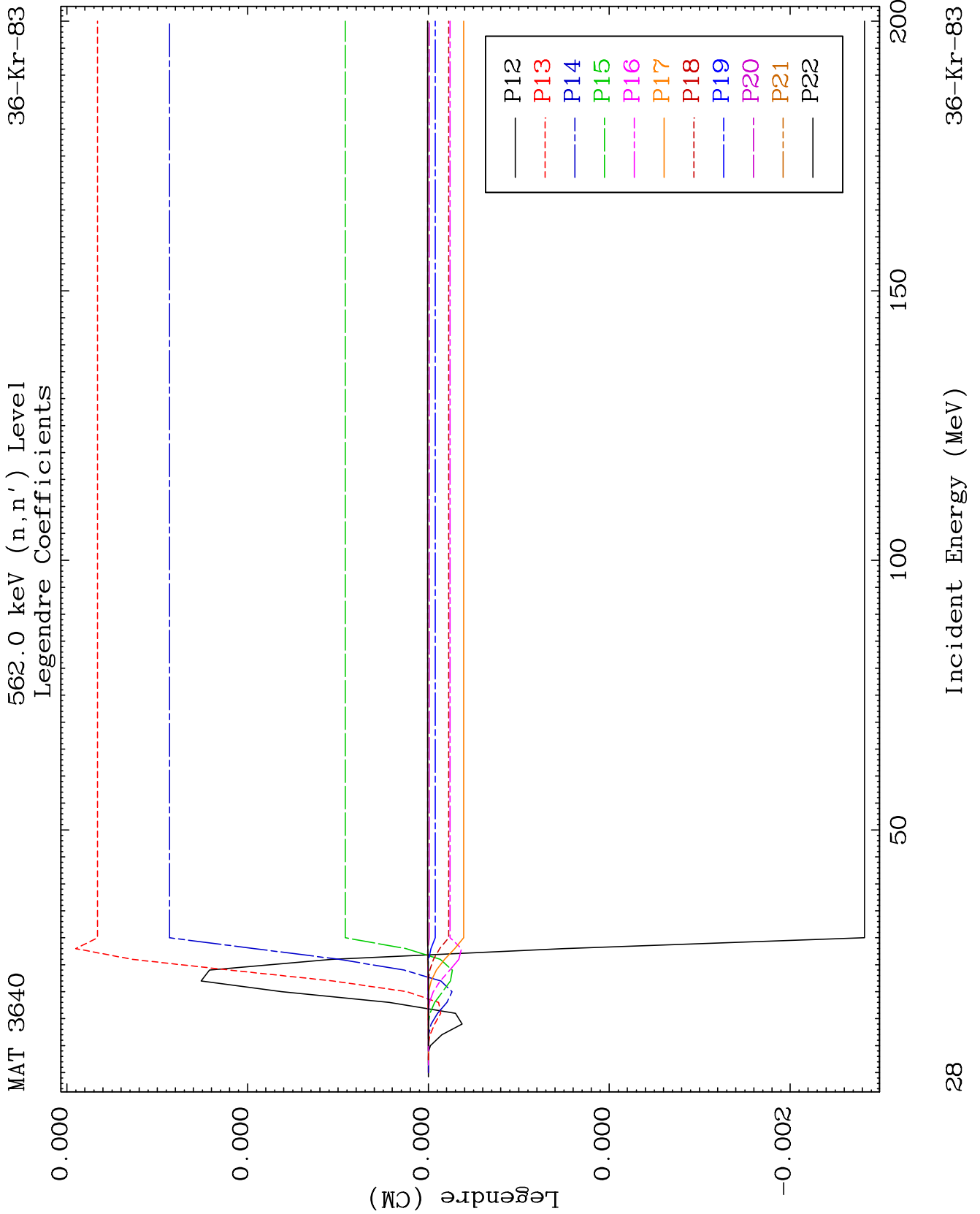
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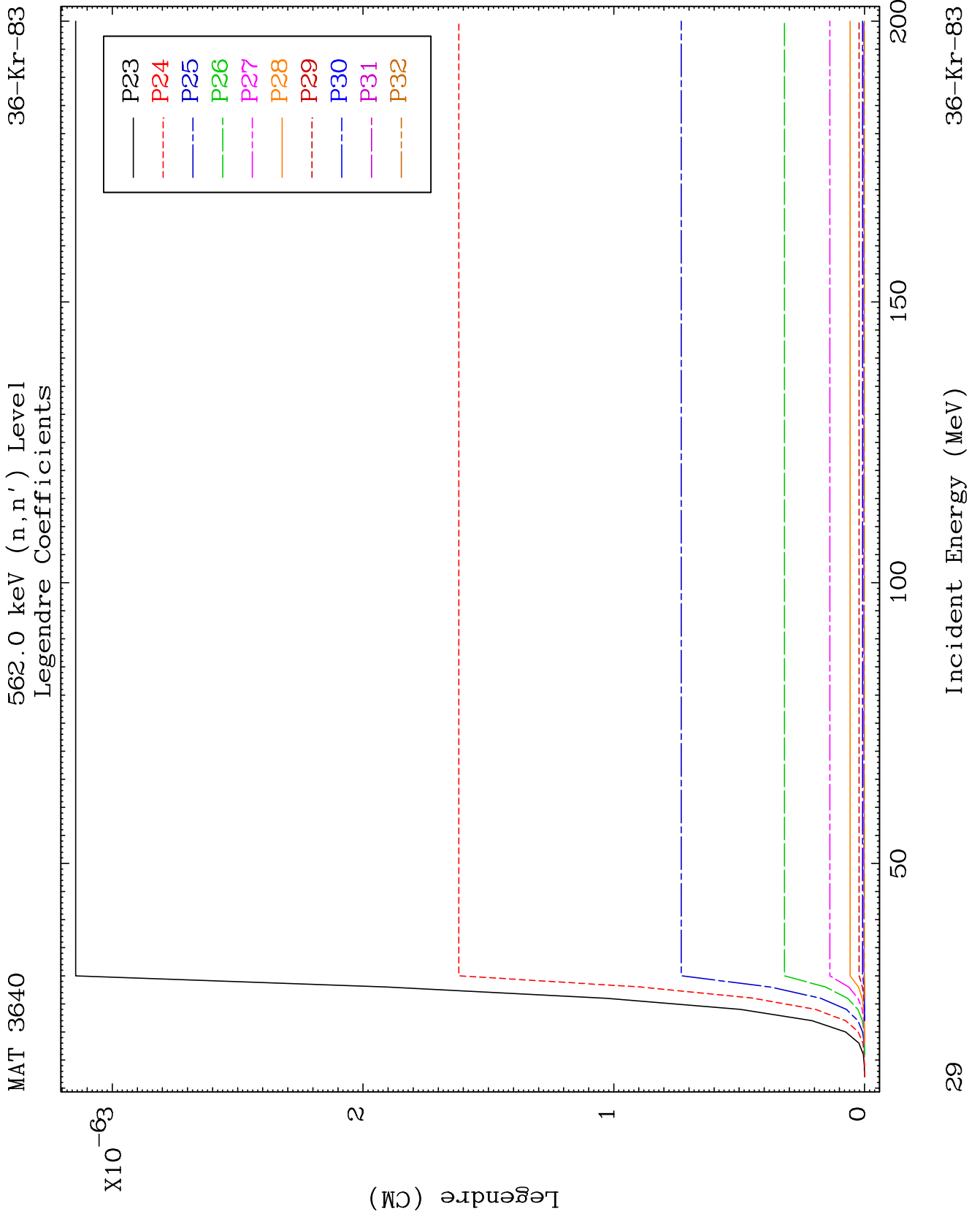


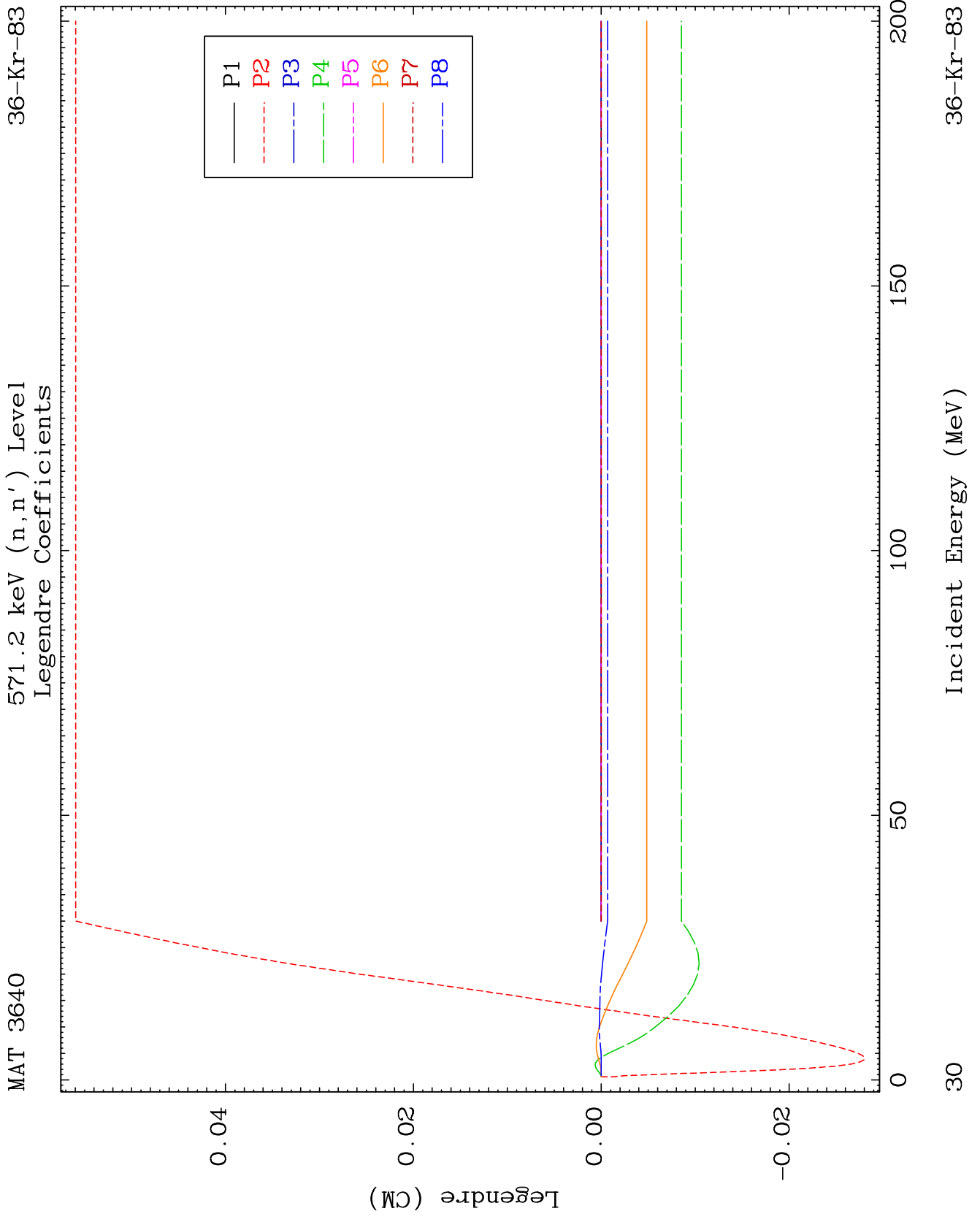
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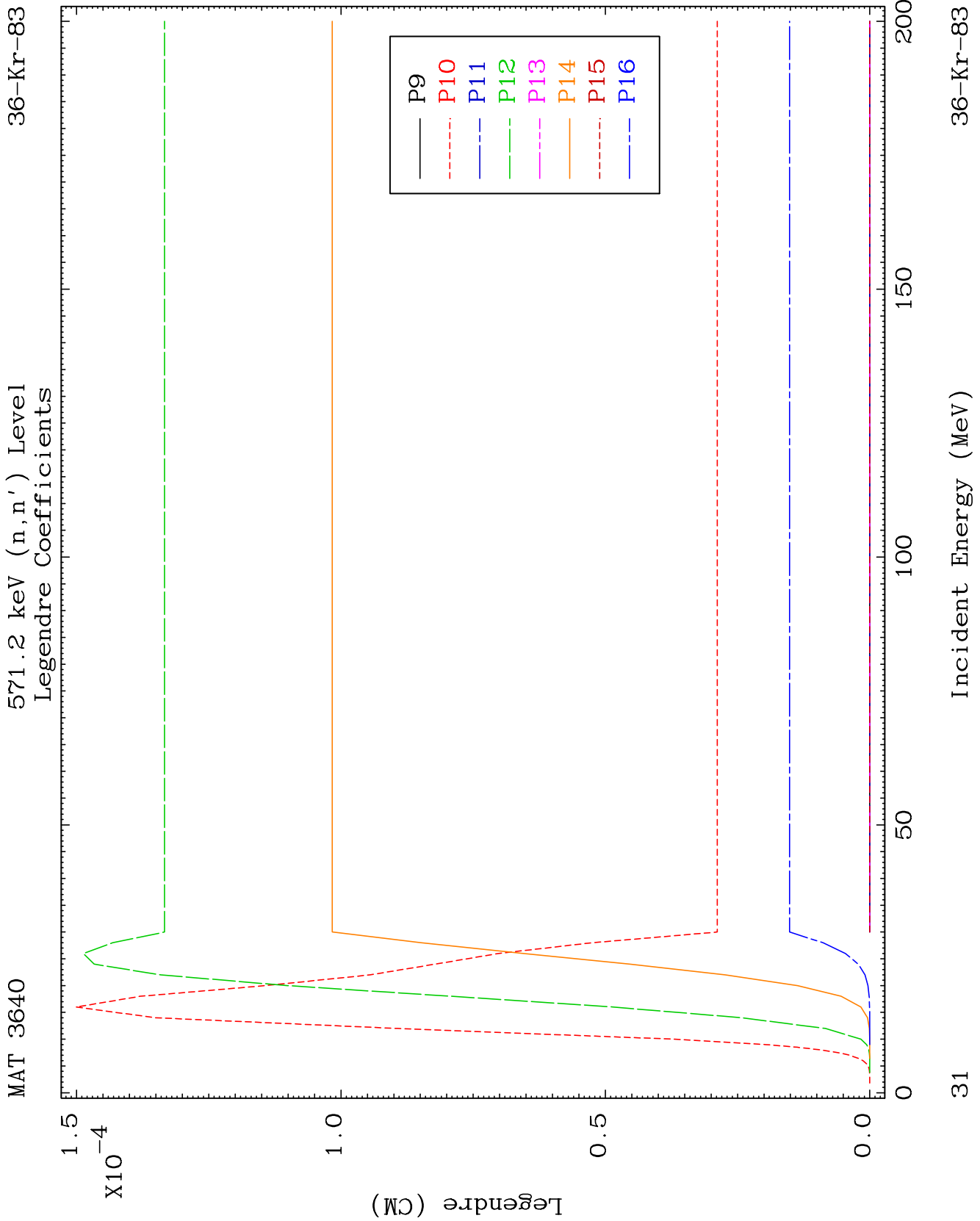
Incident Energy (MeV)

36-Kr-83





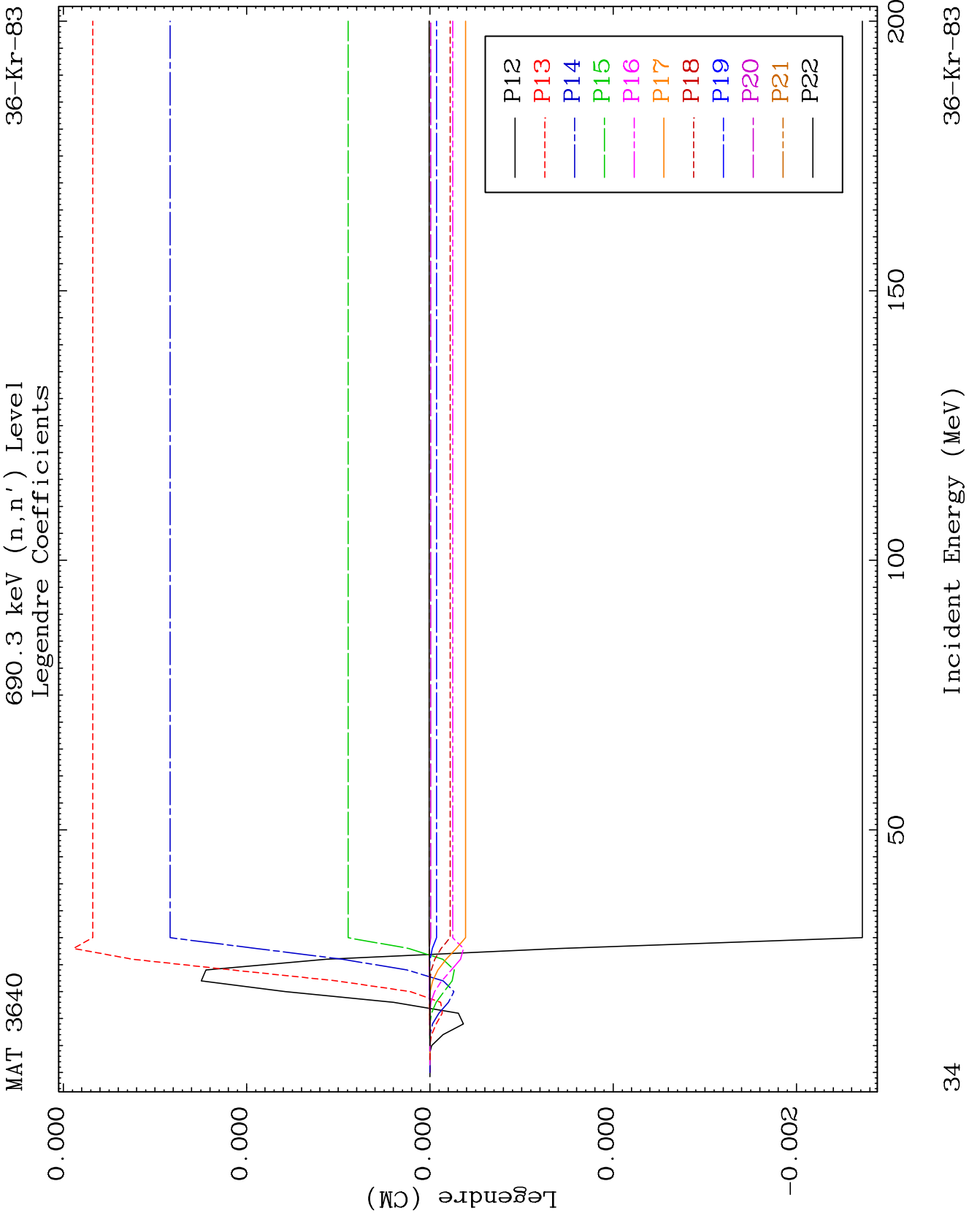


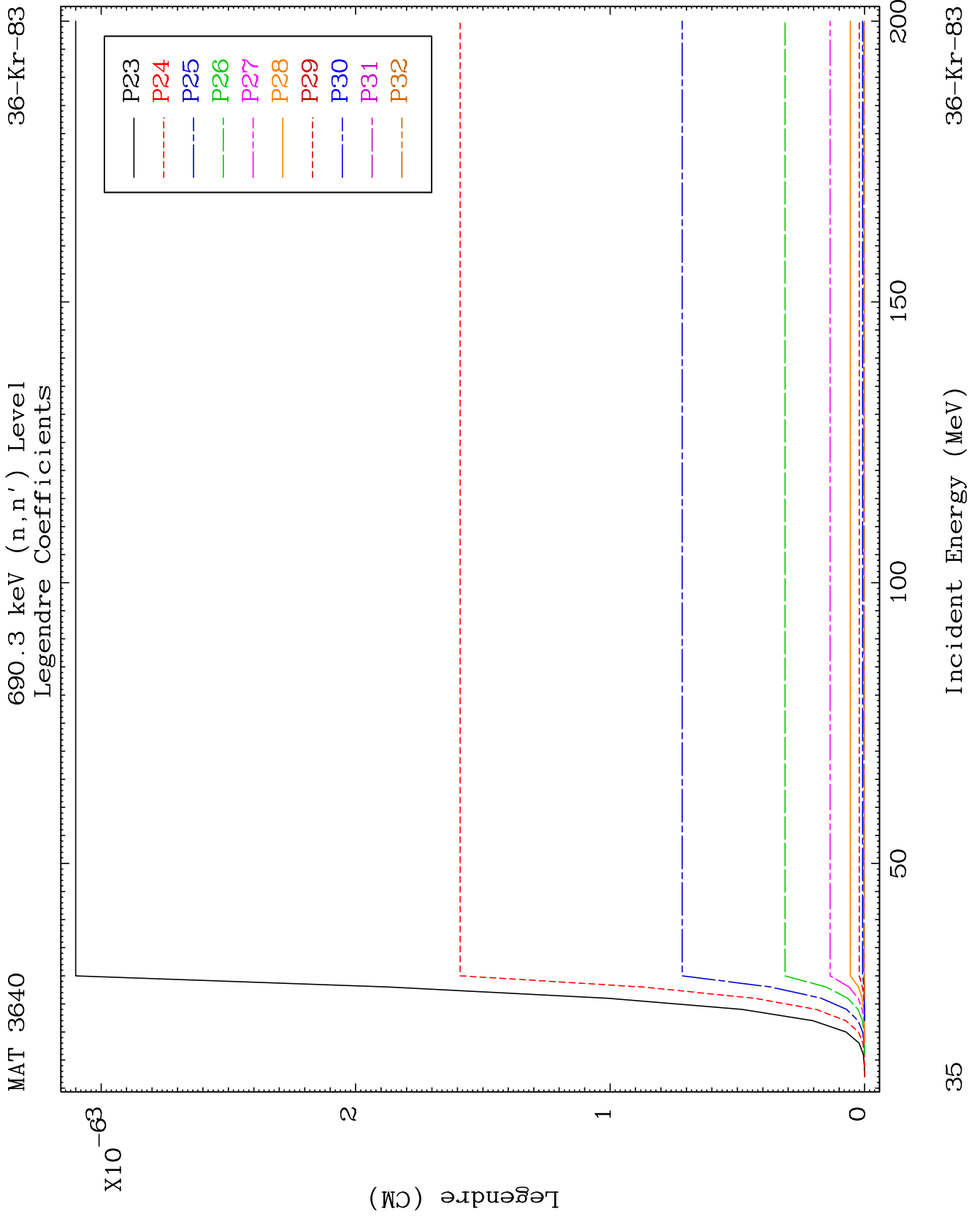


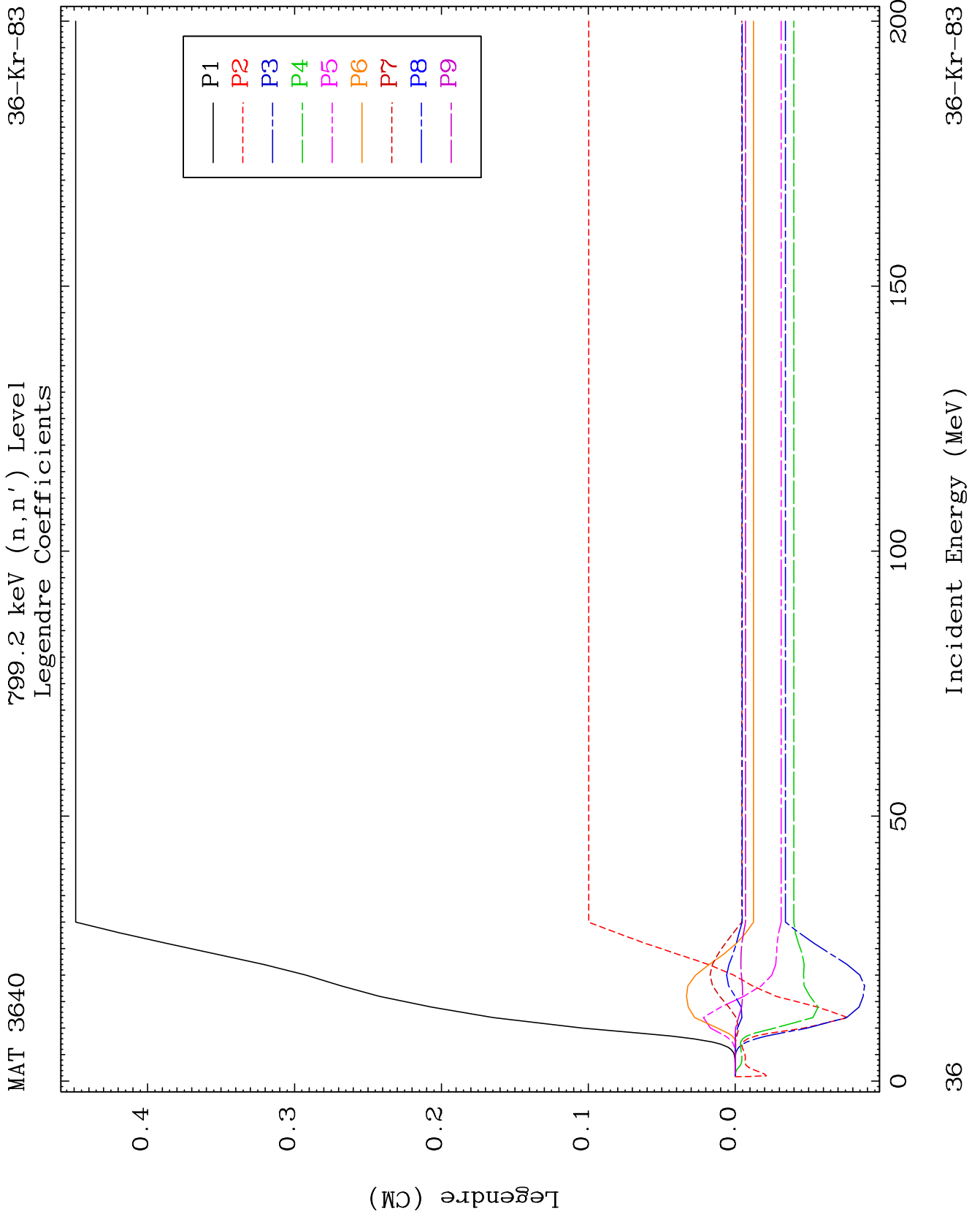








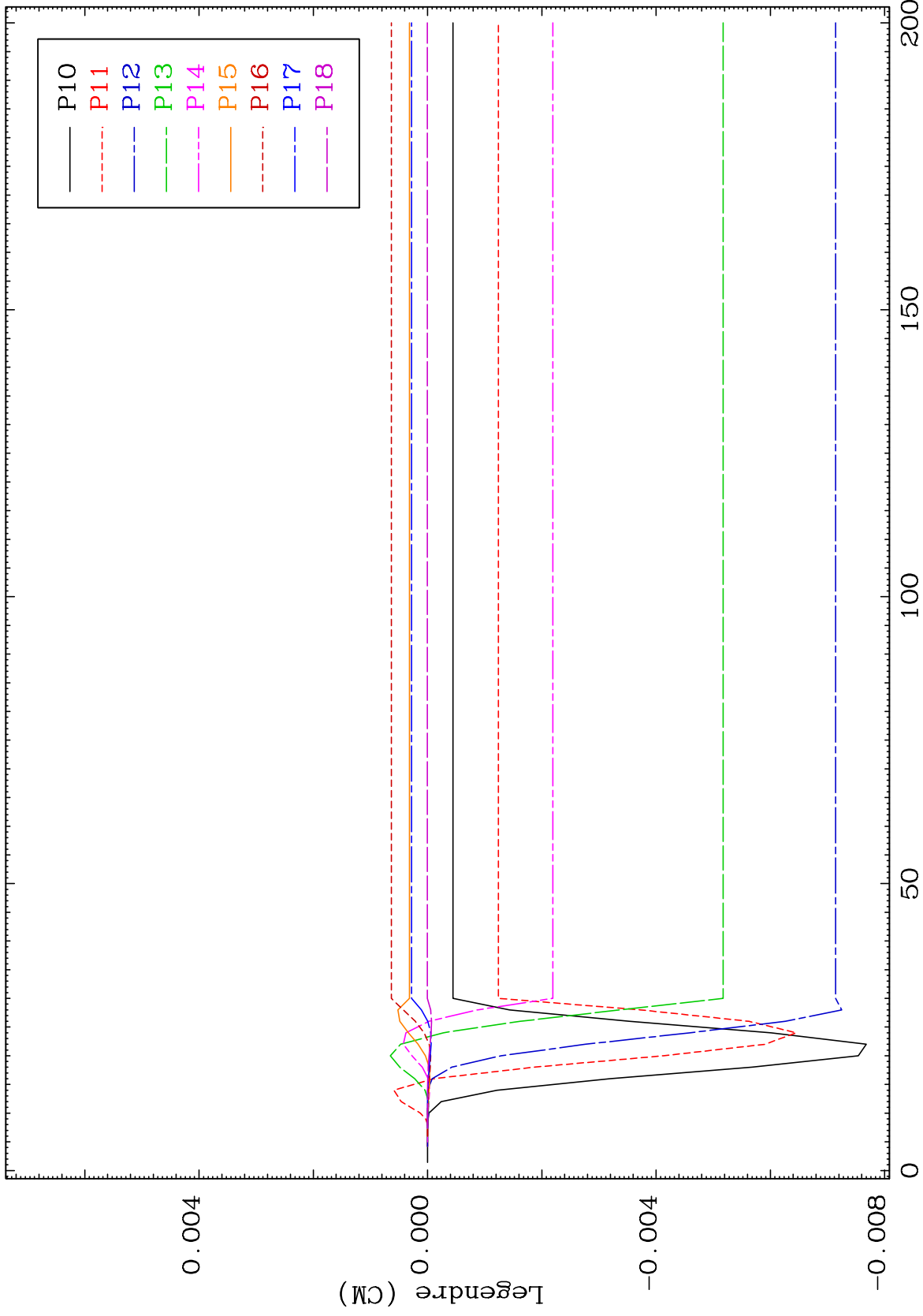




MAT 3640

799.2 keV (n,n') Level  
Legendre Coefficients

36-Kr-83



37

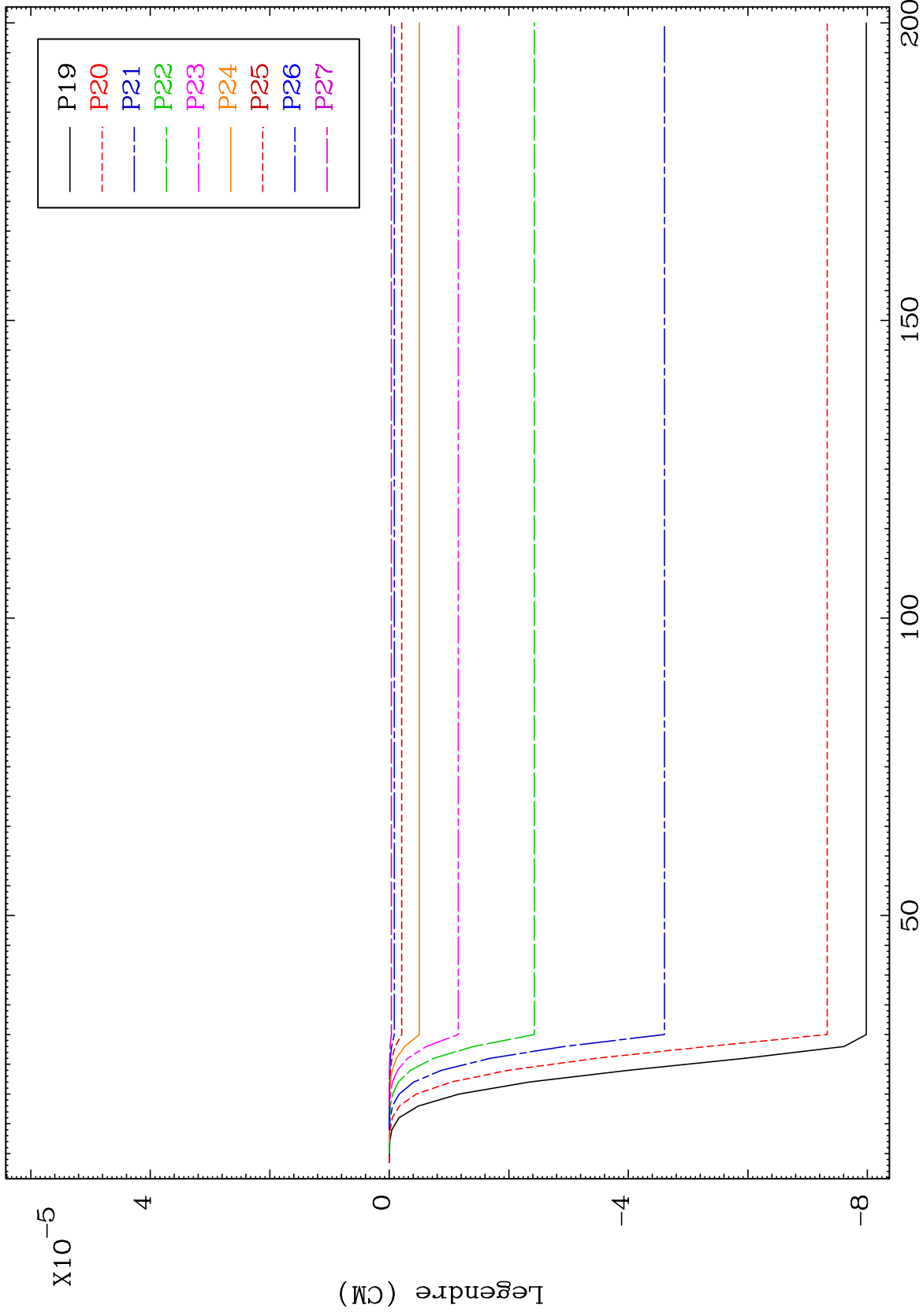
Incident Energy (MeV)

36-Kr-83

MAT 3640

799.2 keV (n,n') Level  
Legendre Coefficients

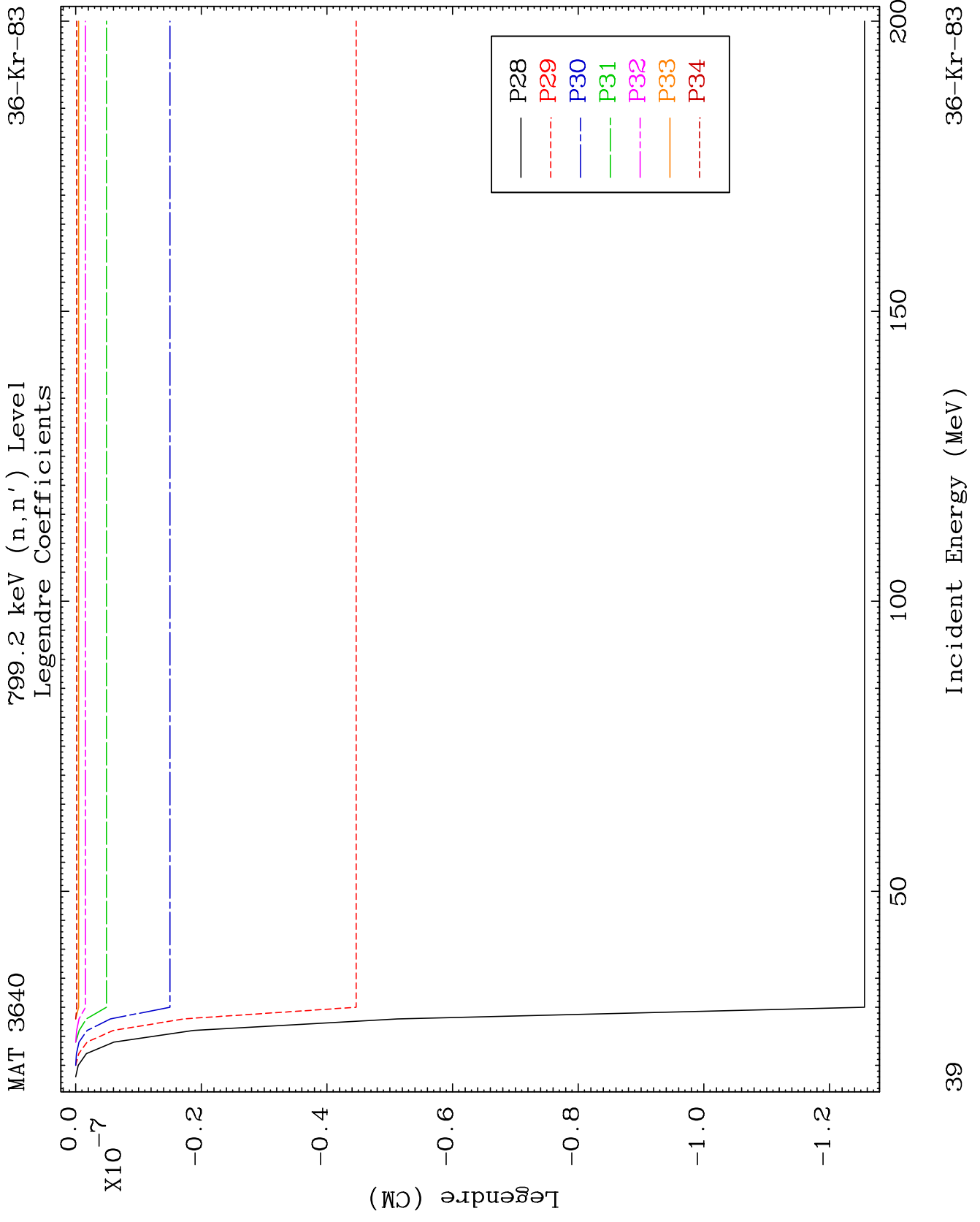
36-Kr-83



38

Incident Energy (MeV)

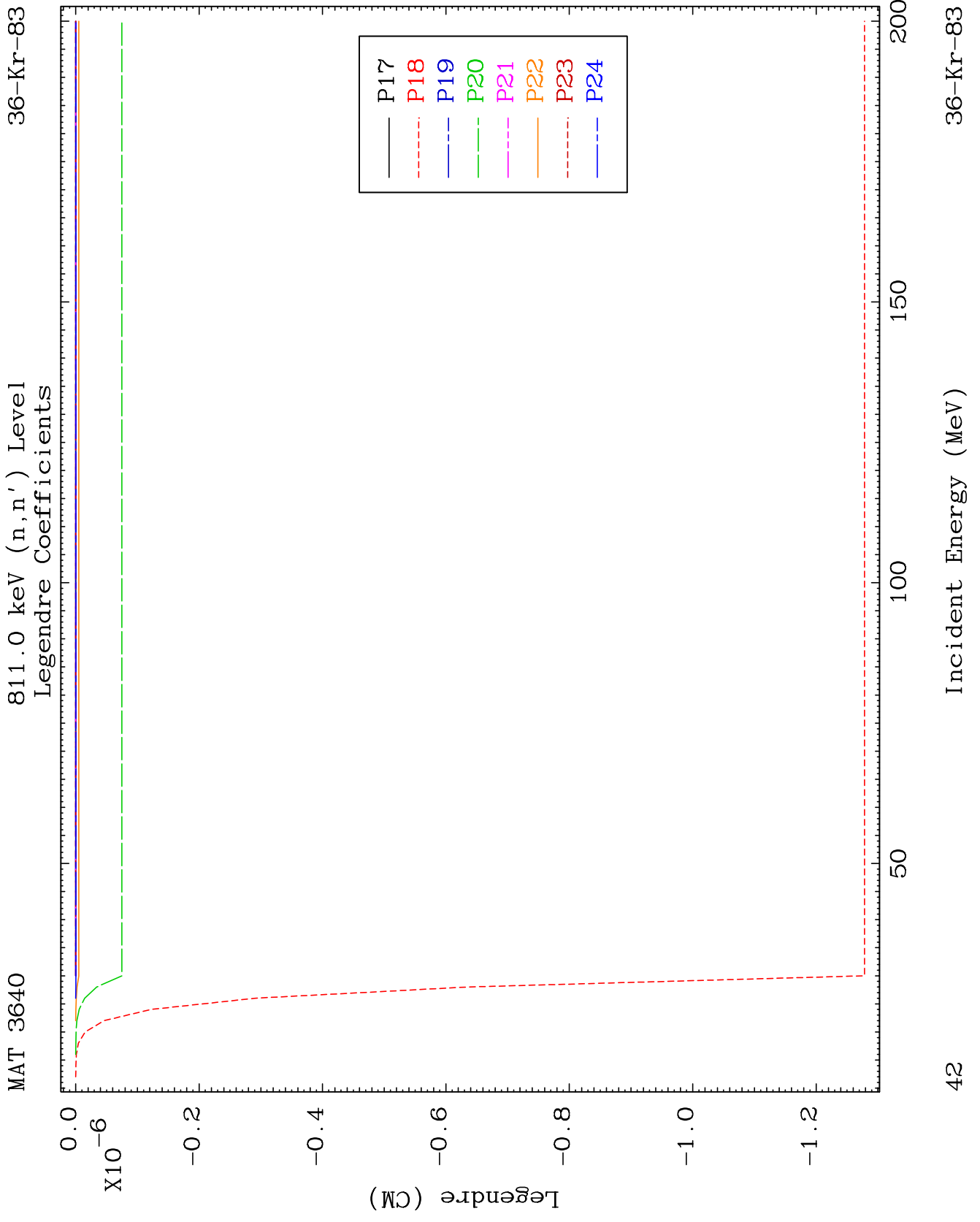
36-Kr-83



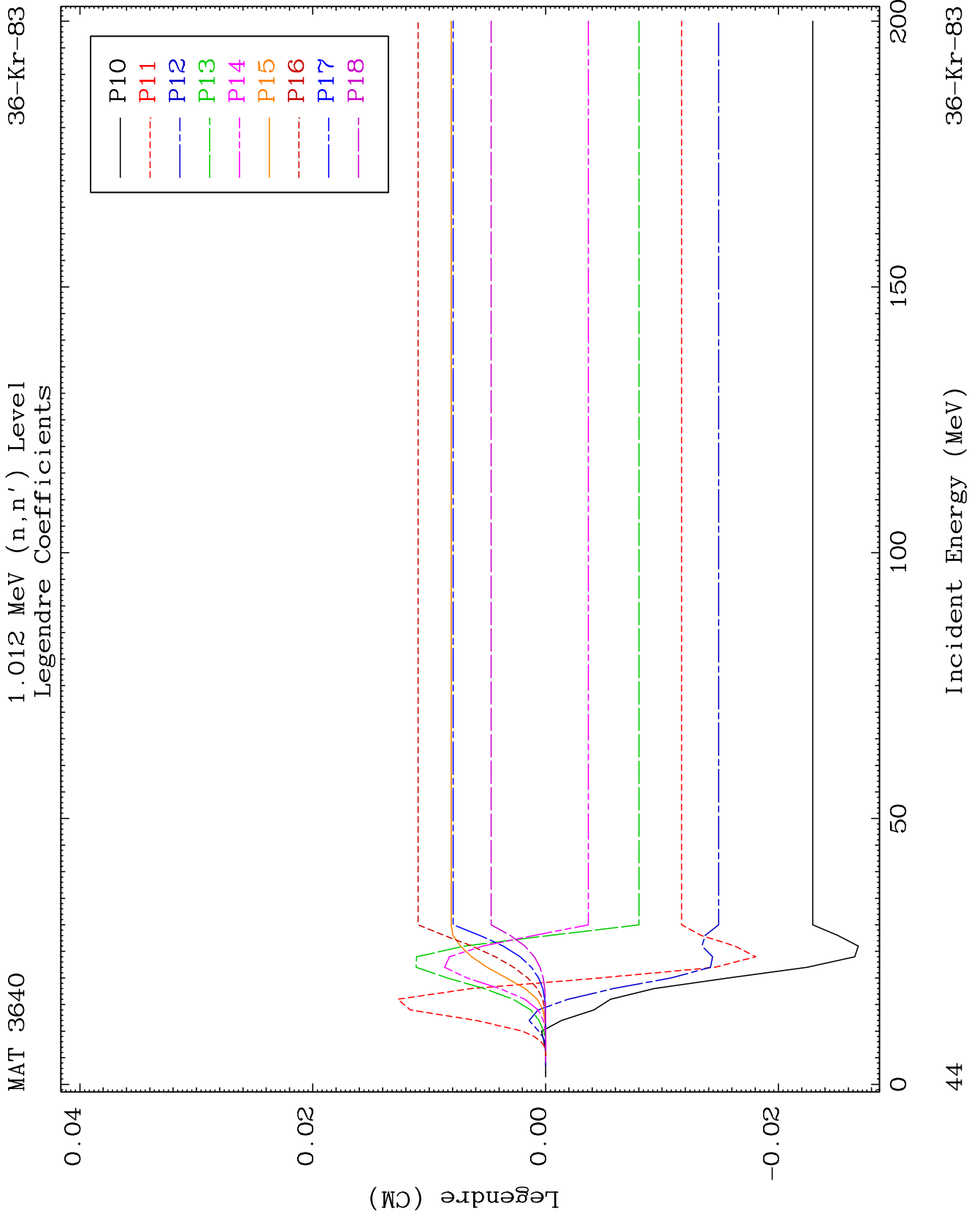


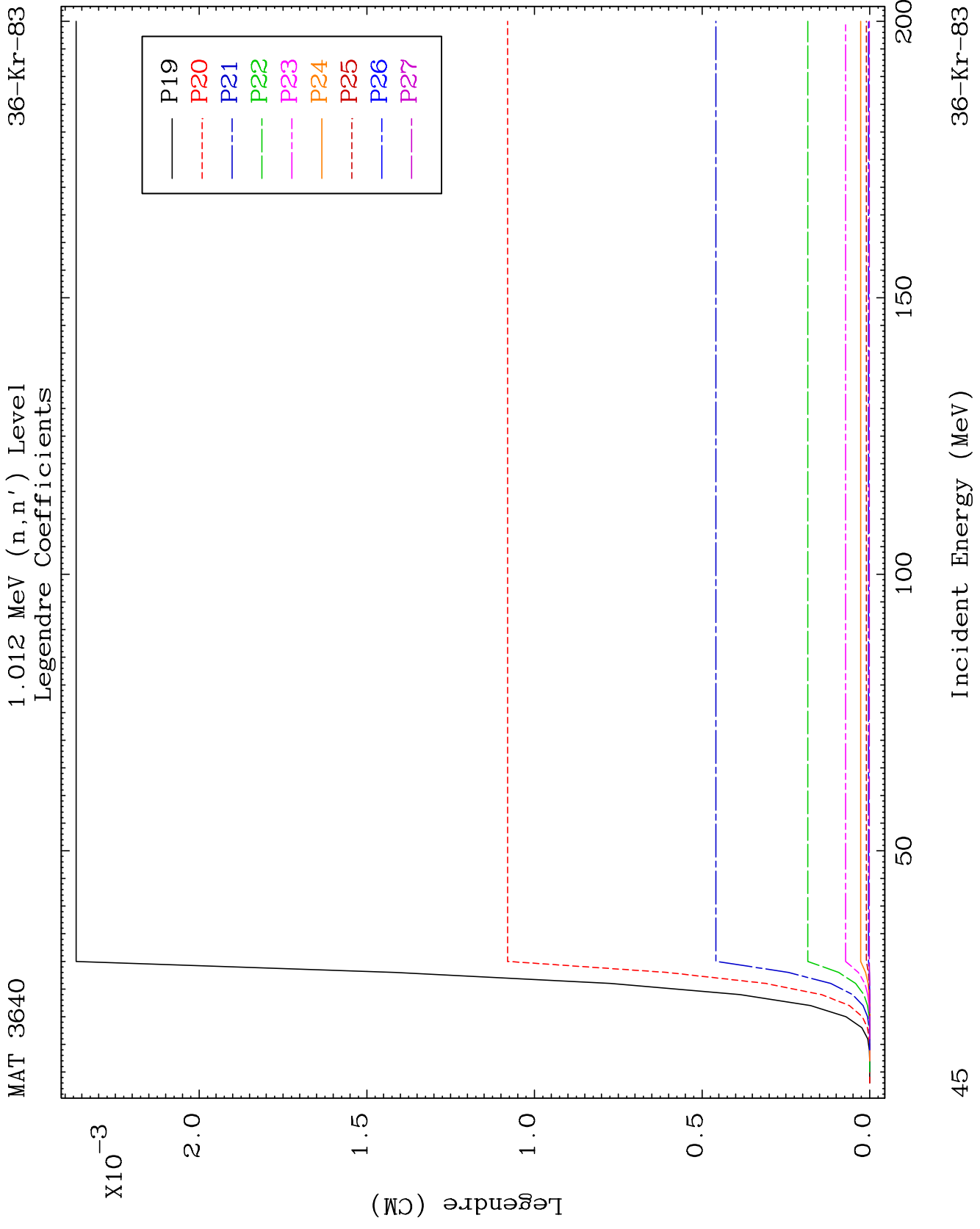








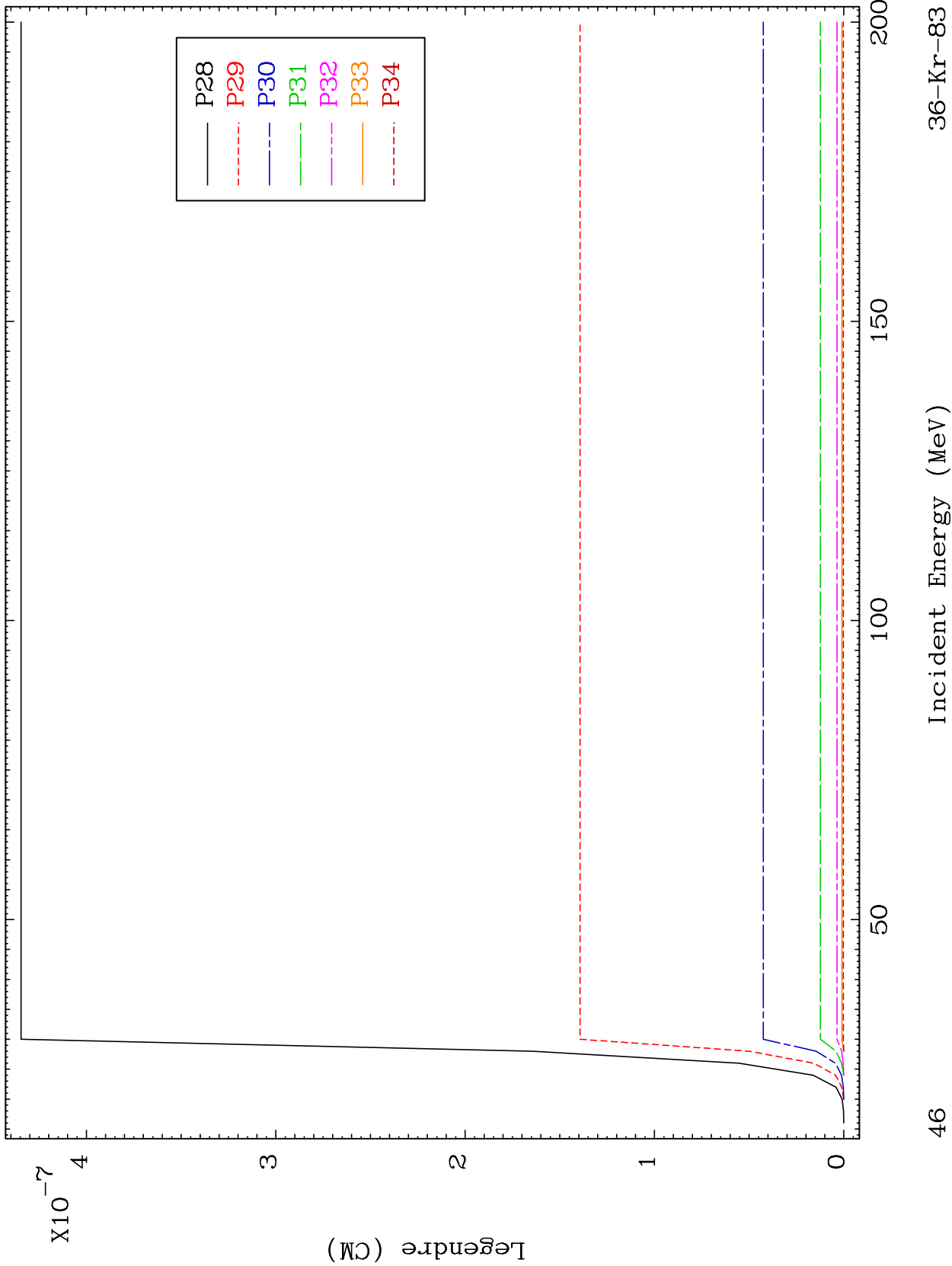




MAT 3640

1.012 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



46

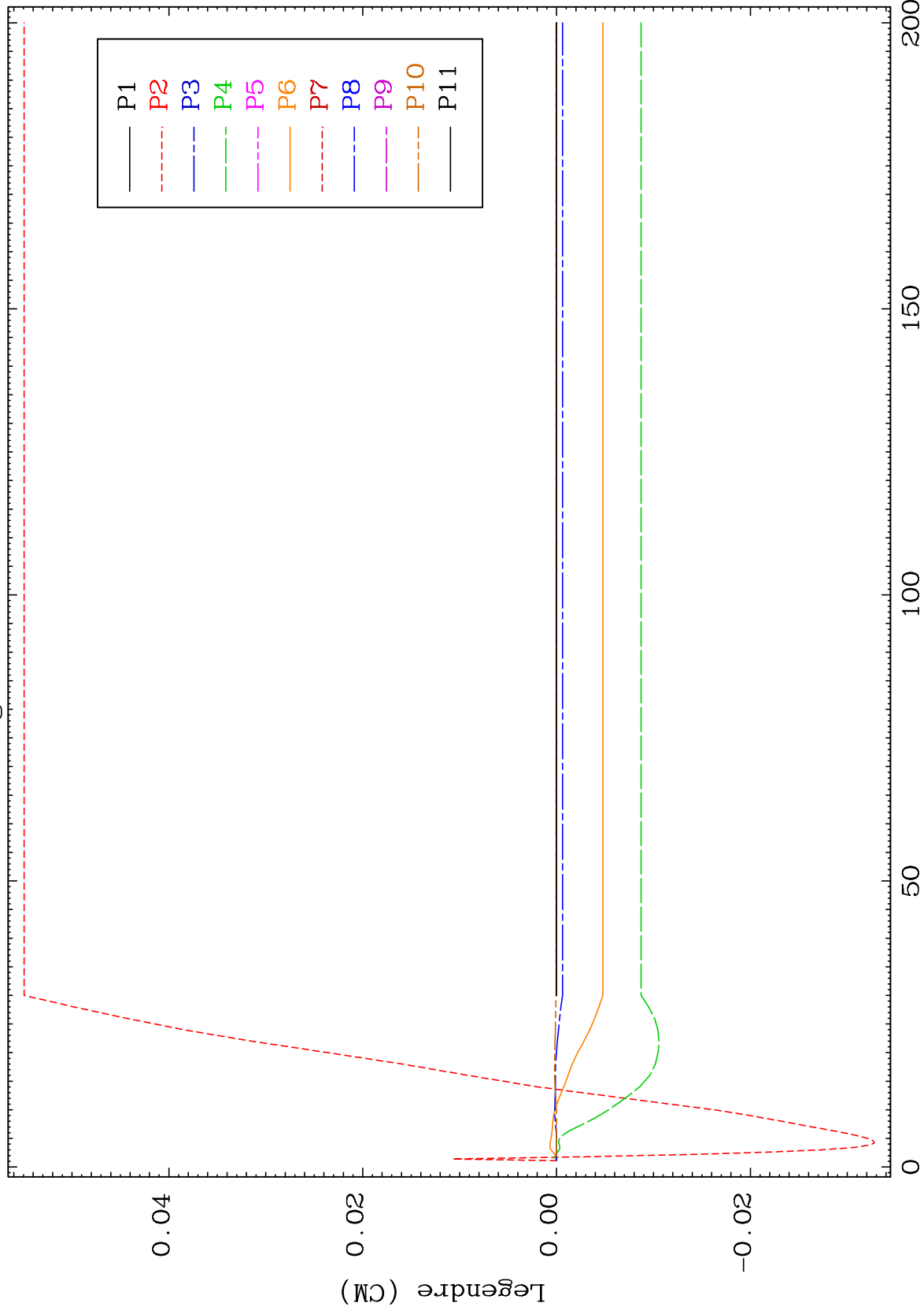
Incident Energy (MeV)

36-Kr-83

MAT 3640

1.085 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83

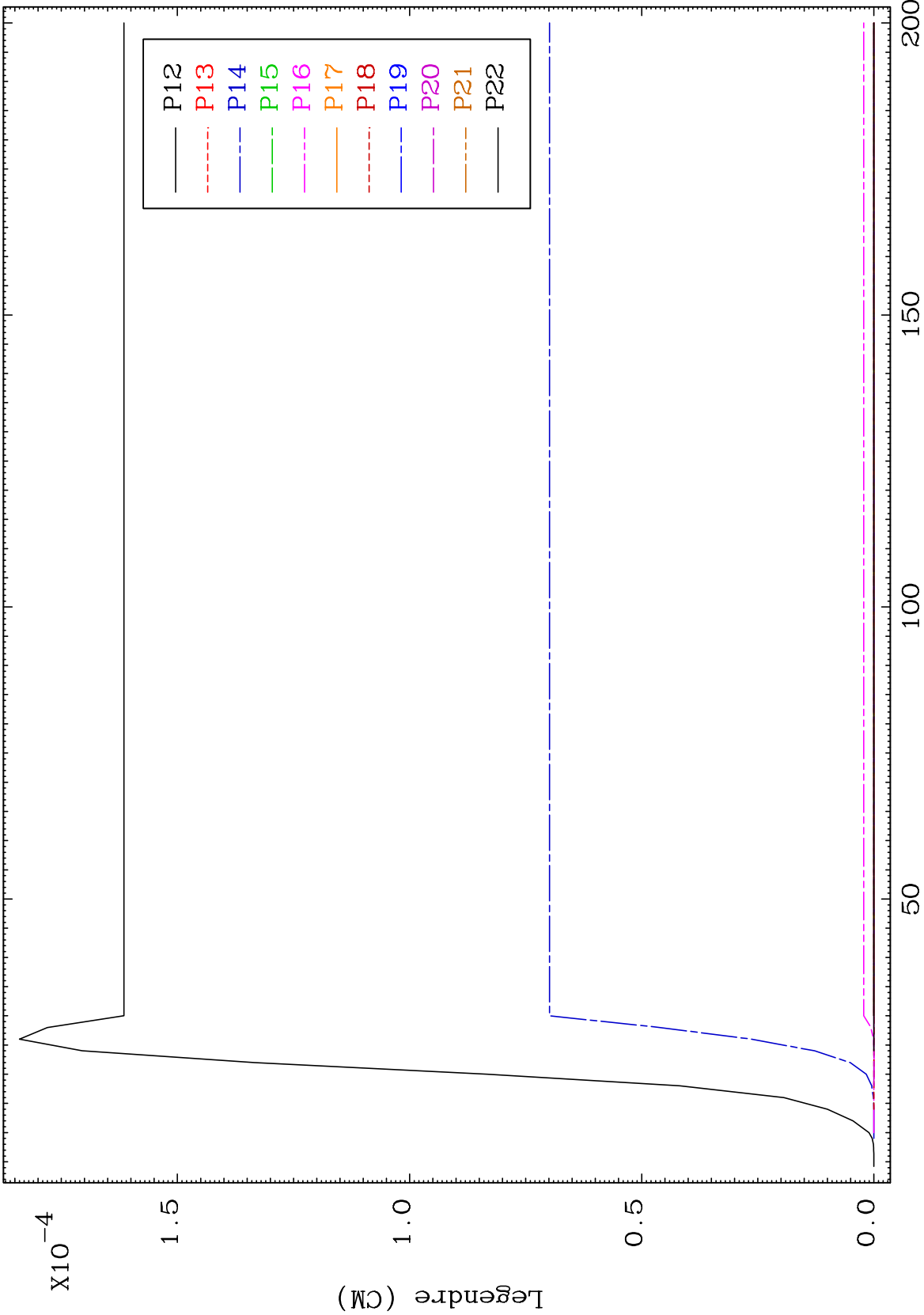


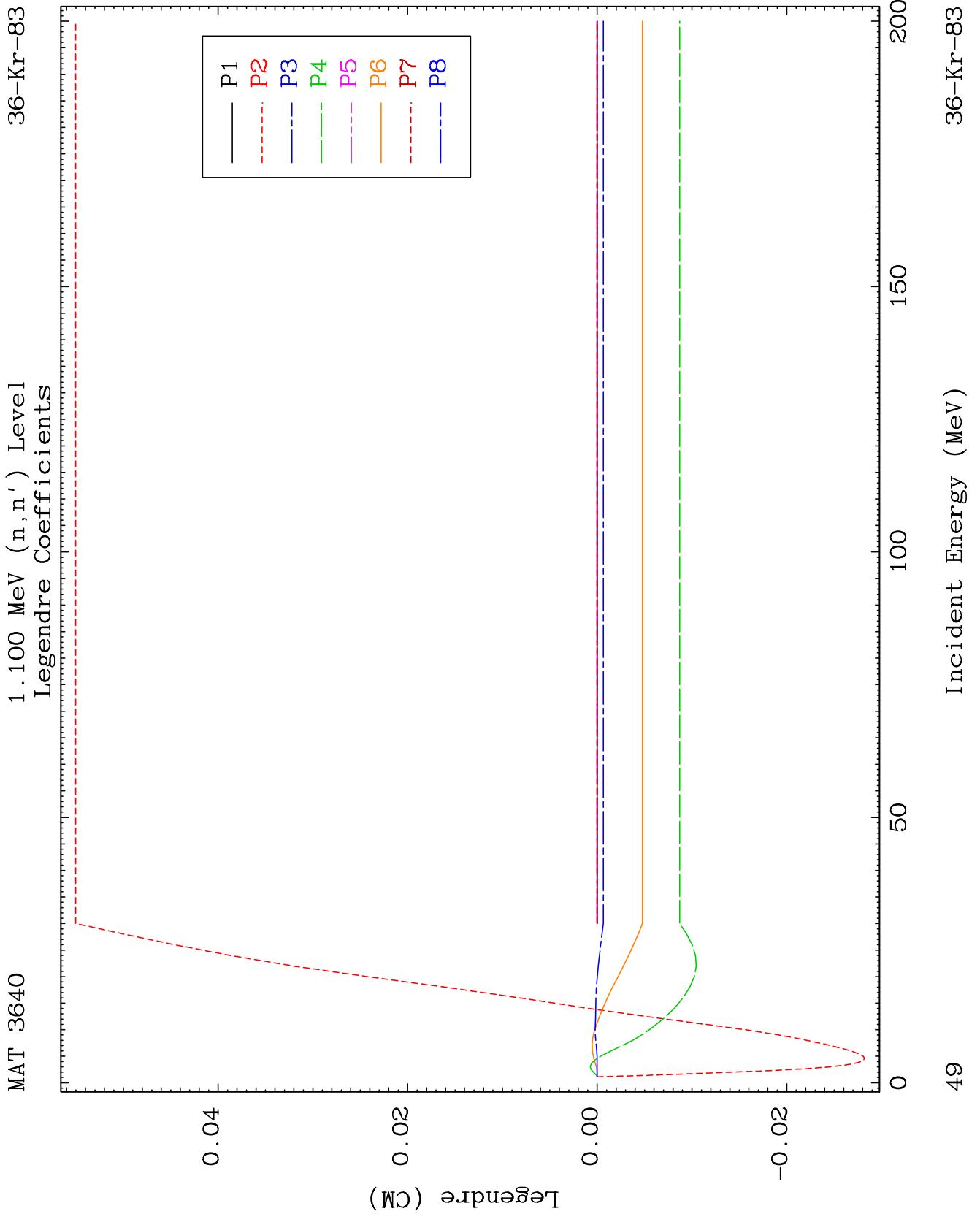
47

Incident Energy (MeV)

36-Kr-83







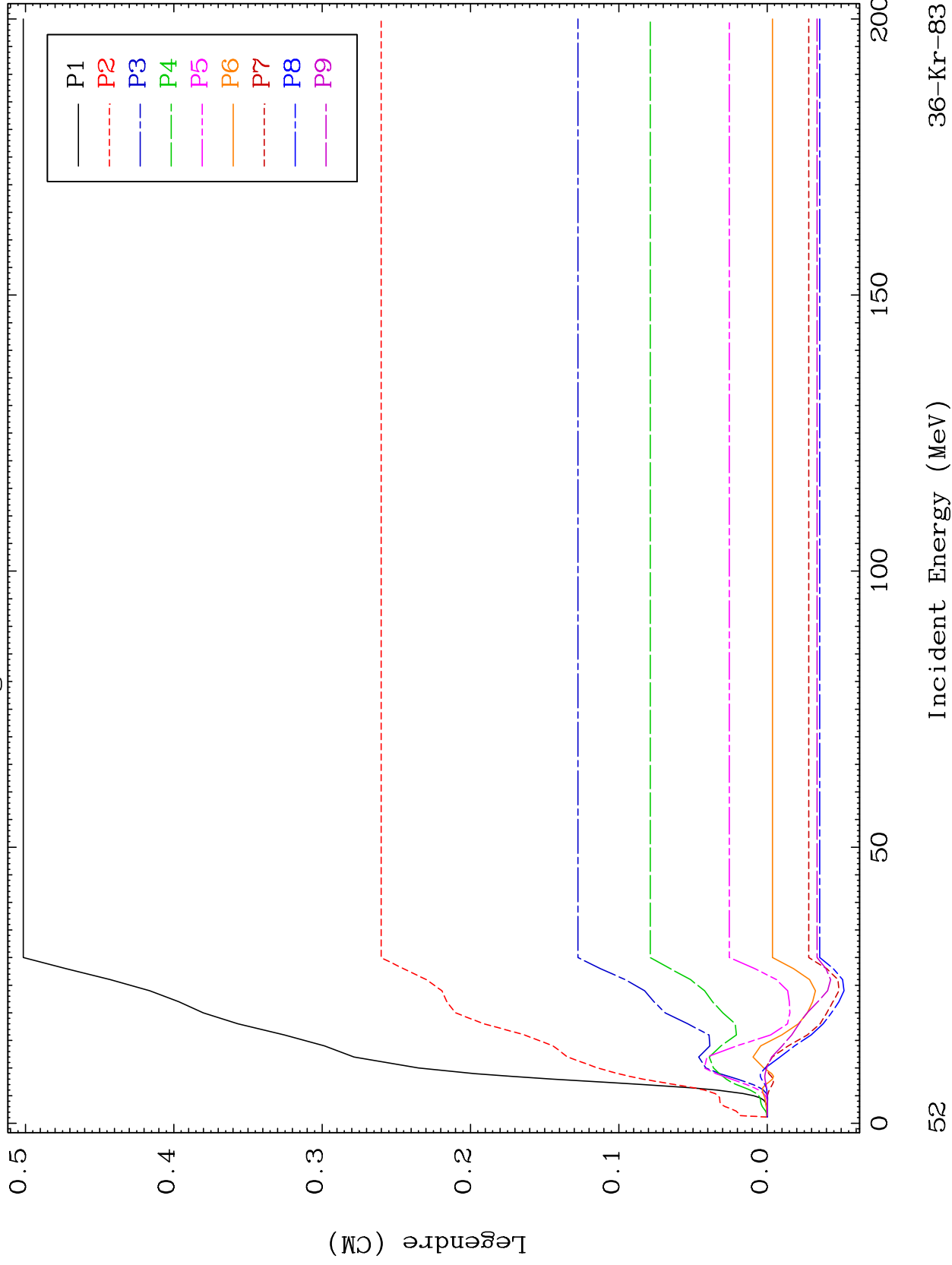




MAT 3640

1.103 MeV (n,n') Level  
Legendre Coefficients

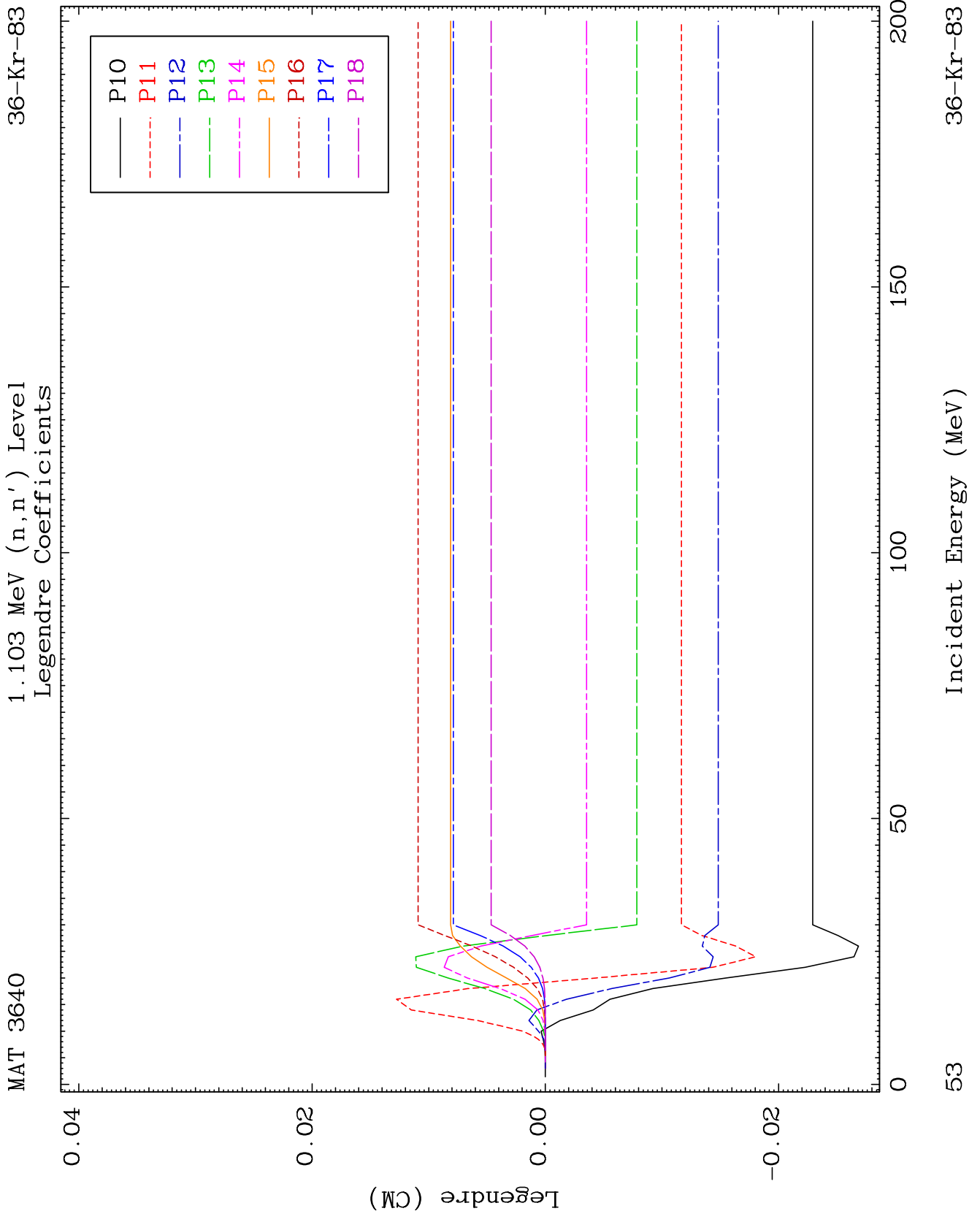
36-Kr-83



52

Incident Energy (MeV)

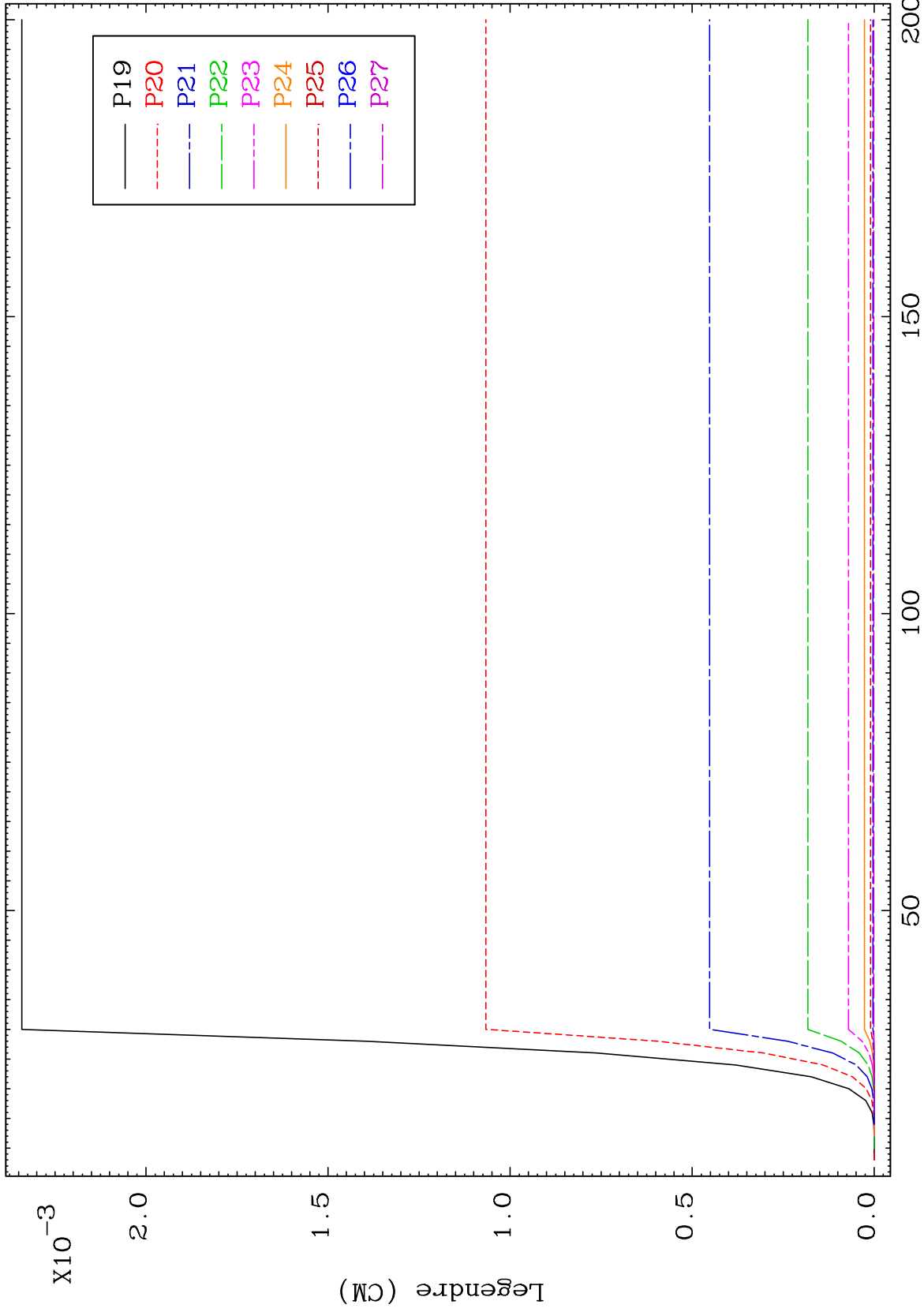
36-Kr-83



MAT 3640

1.103 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



54

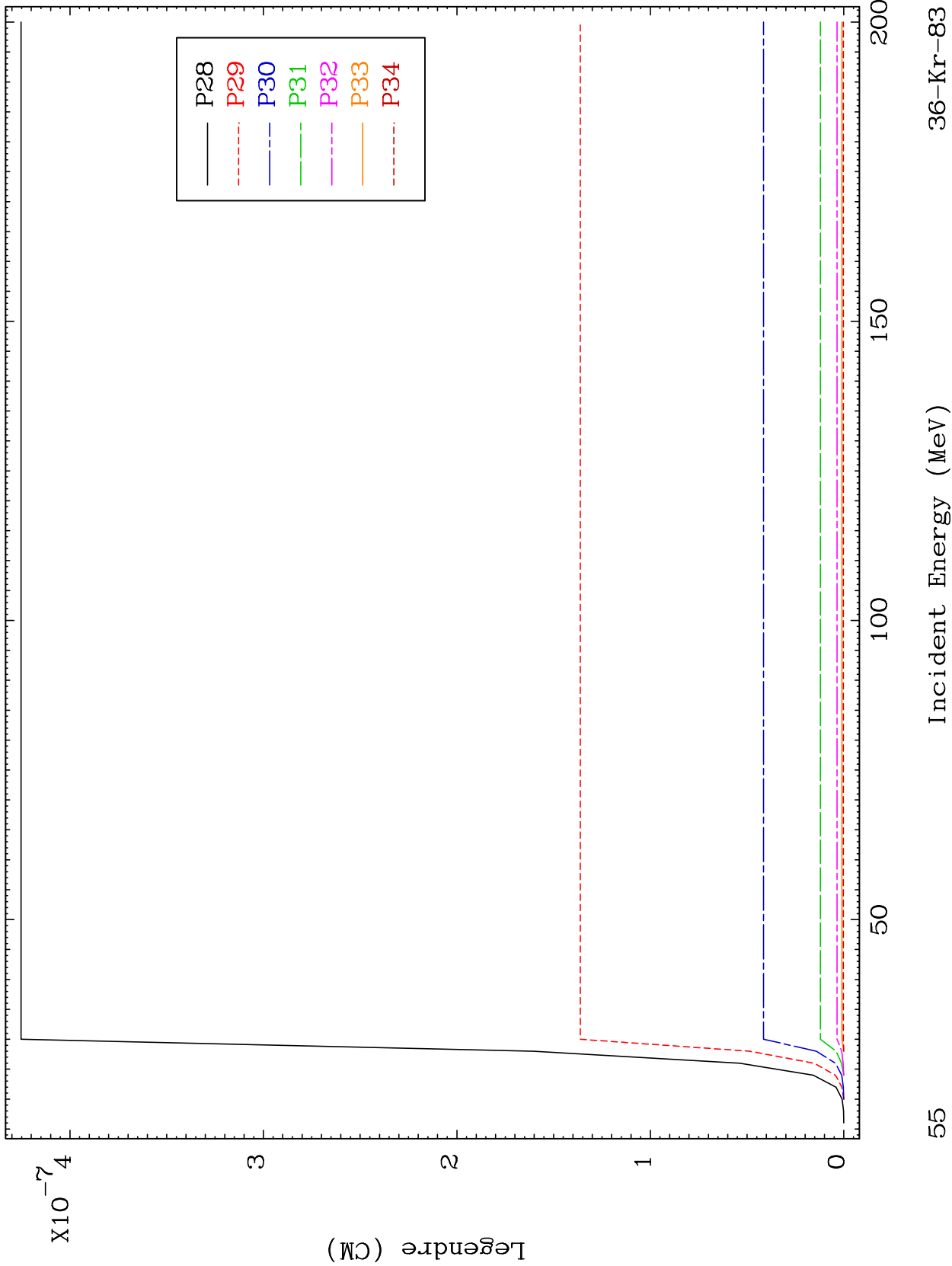
Incident Energy (MeV)

36-Kr-83

MAT 3640

1.103 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



55

Incident Energy (MeV)

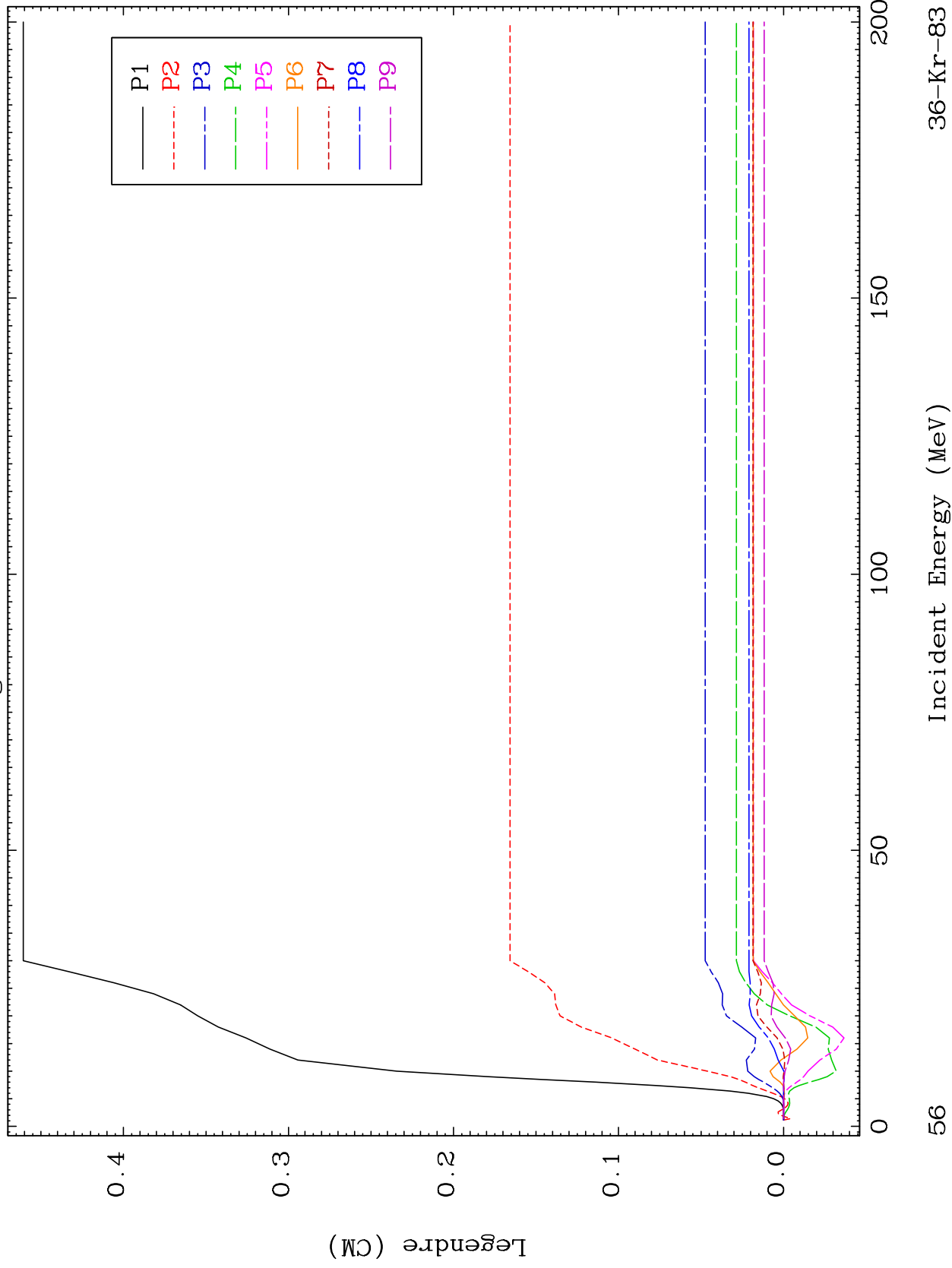
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MAT 3640

1.122 MeV (n,n') Level  
Legendre Coefficients

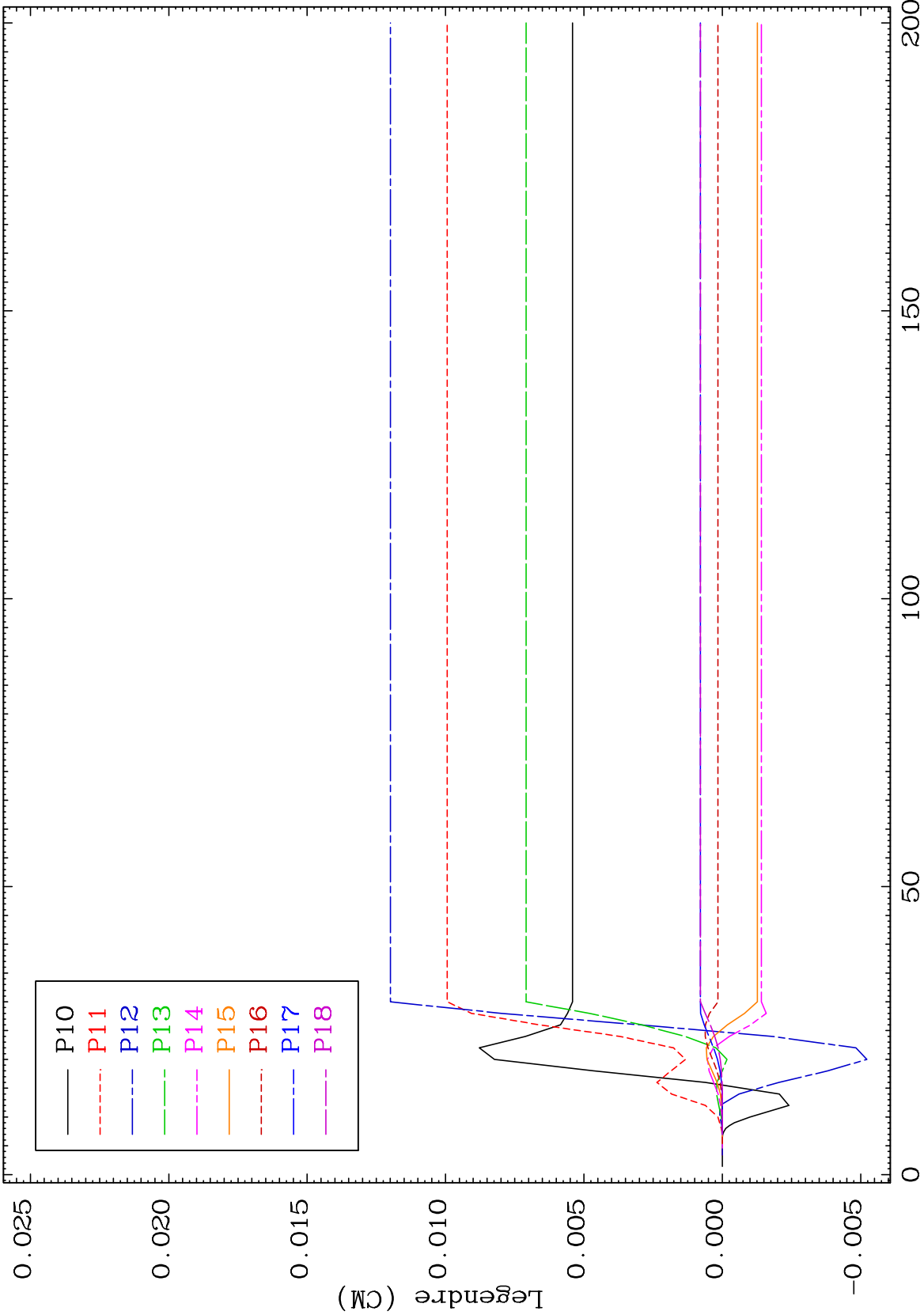
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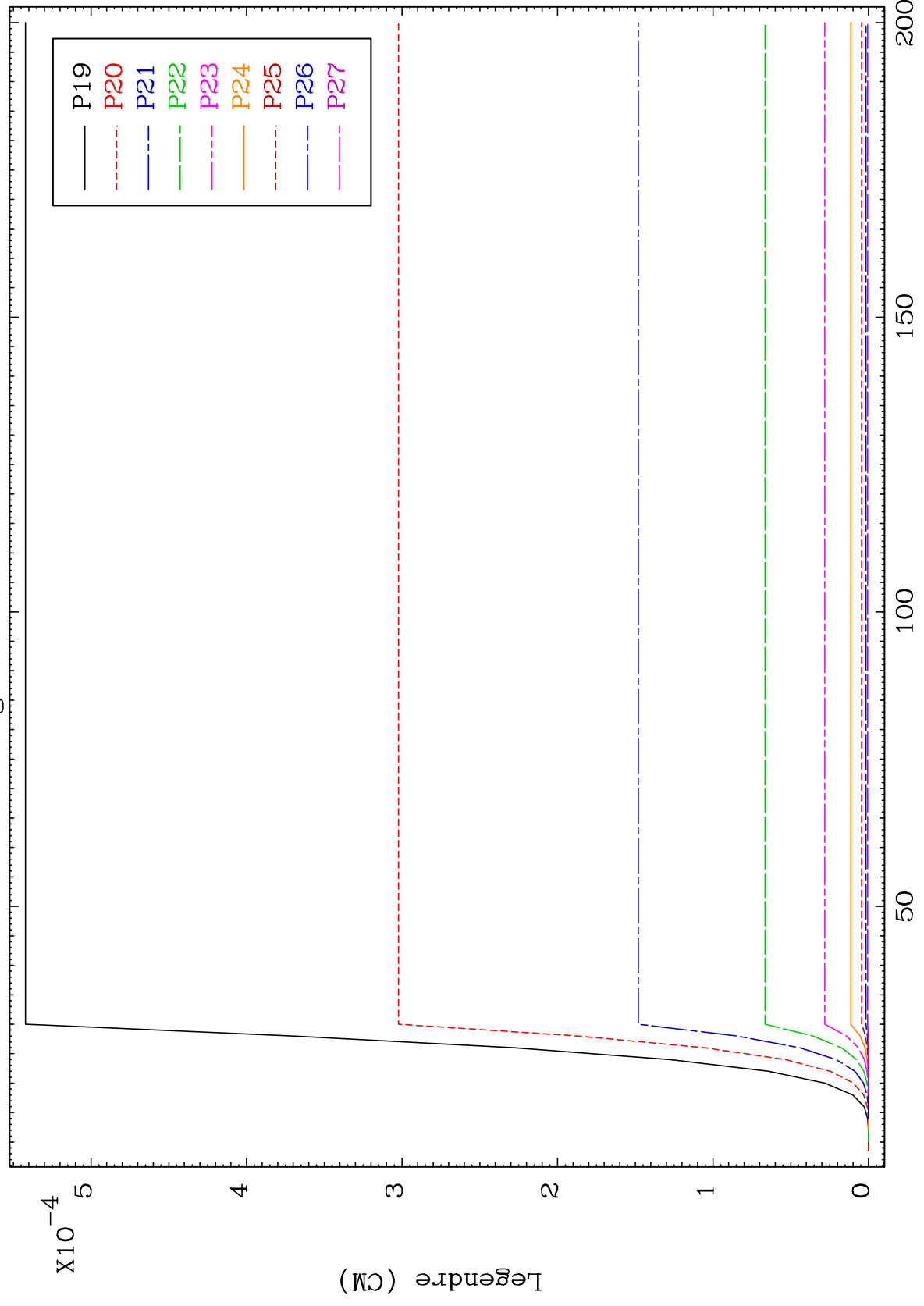


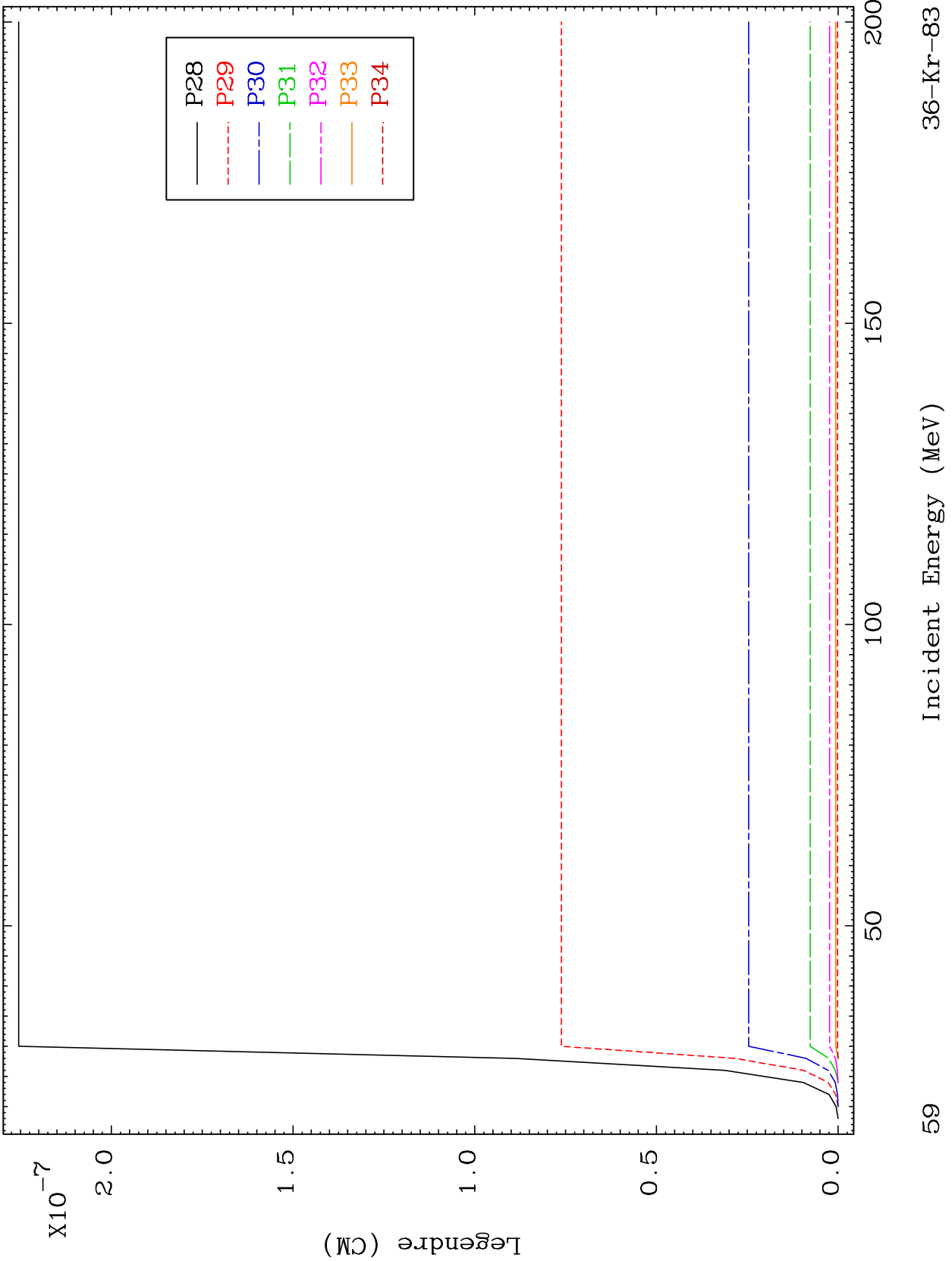
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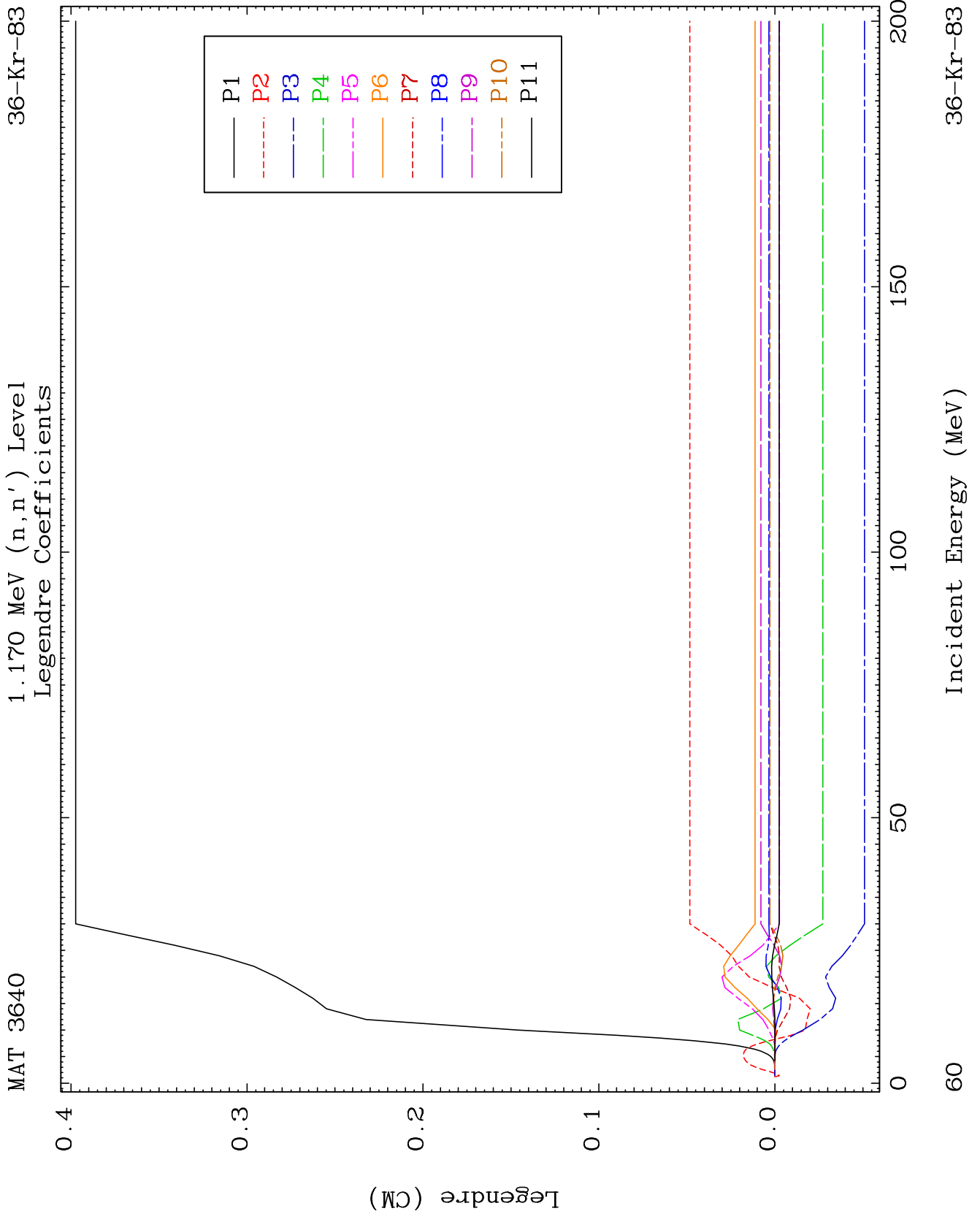
Incident Energy (MeV)

56





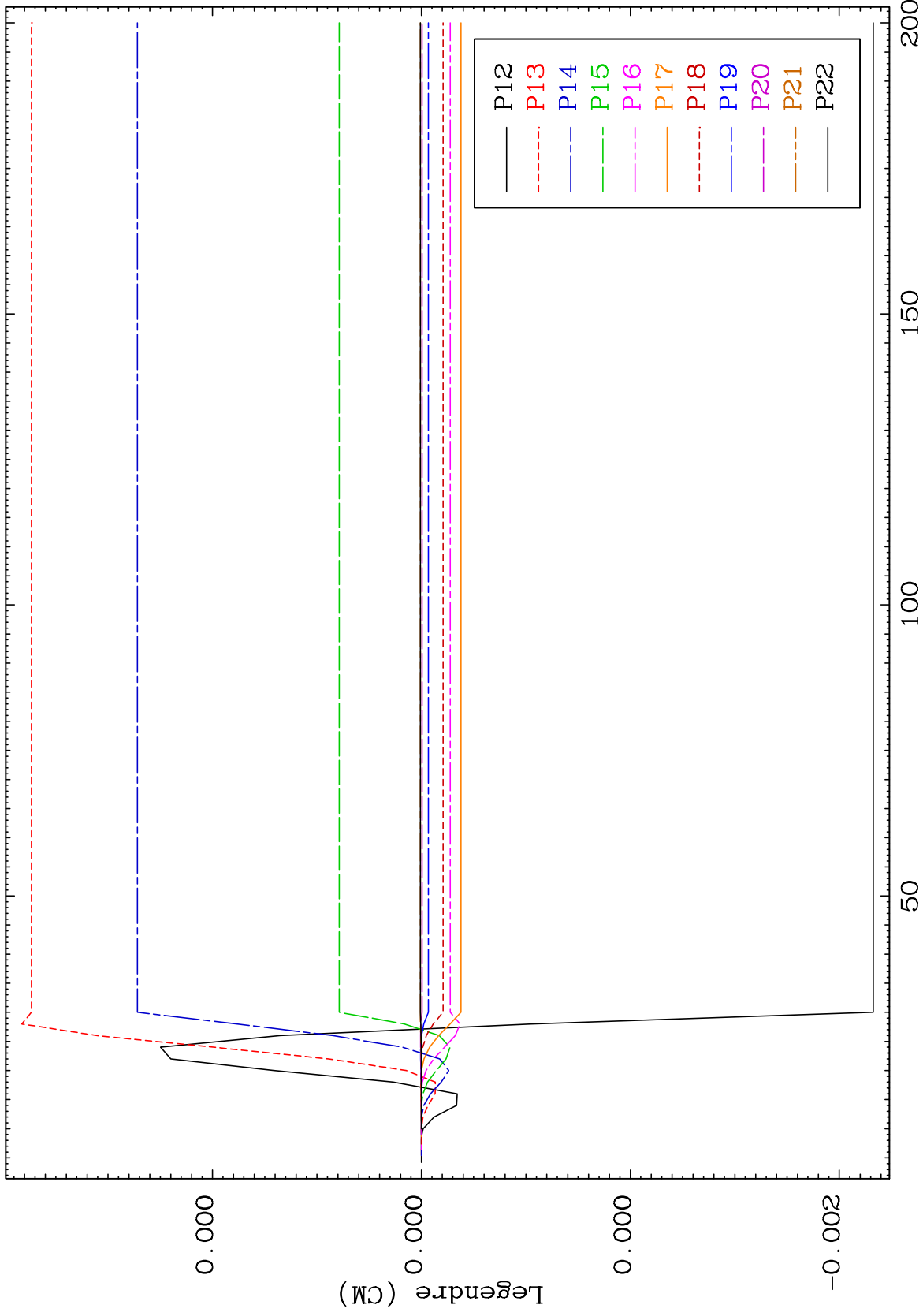




MAT 3640

1.170 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



61

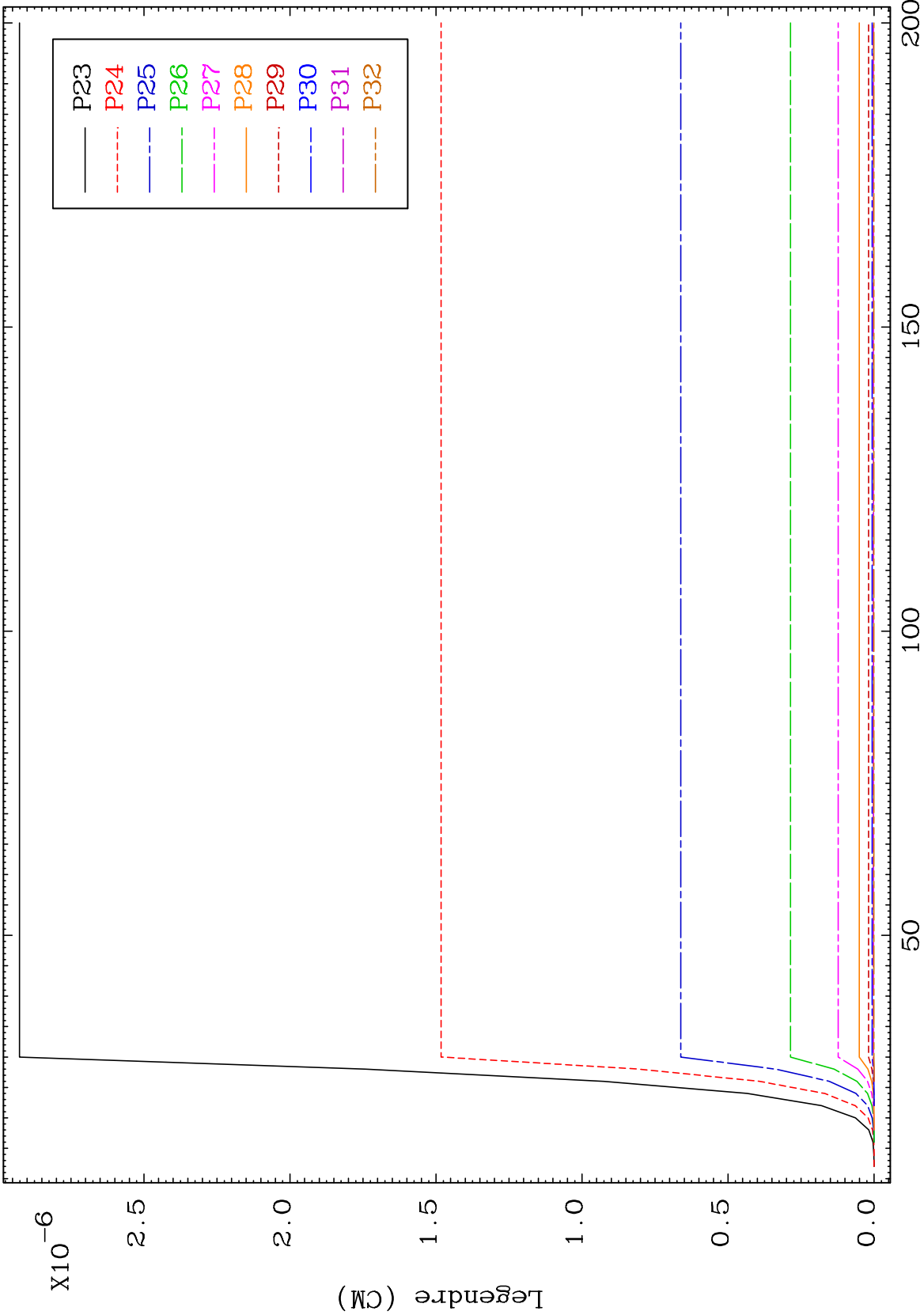
Incident Energy (MeV)

36-Kr-83

MAT 3640

1.170 MeV (n, n') Level  
Legendre Coefficients

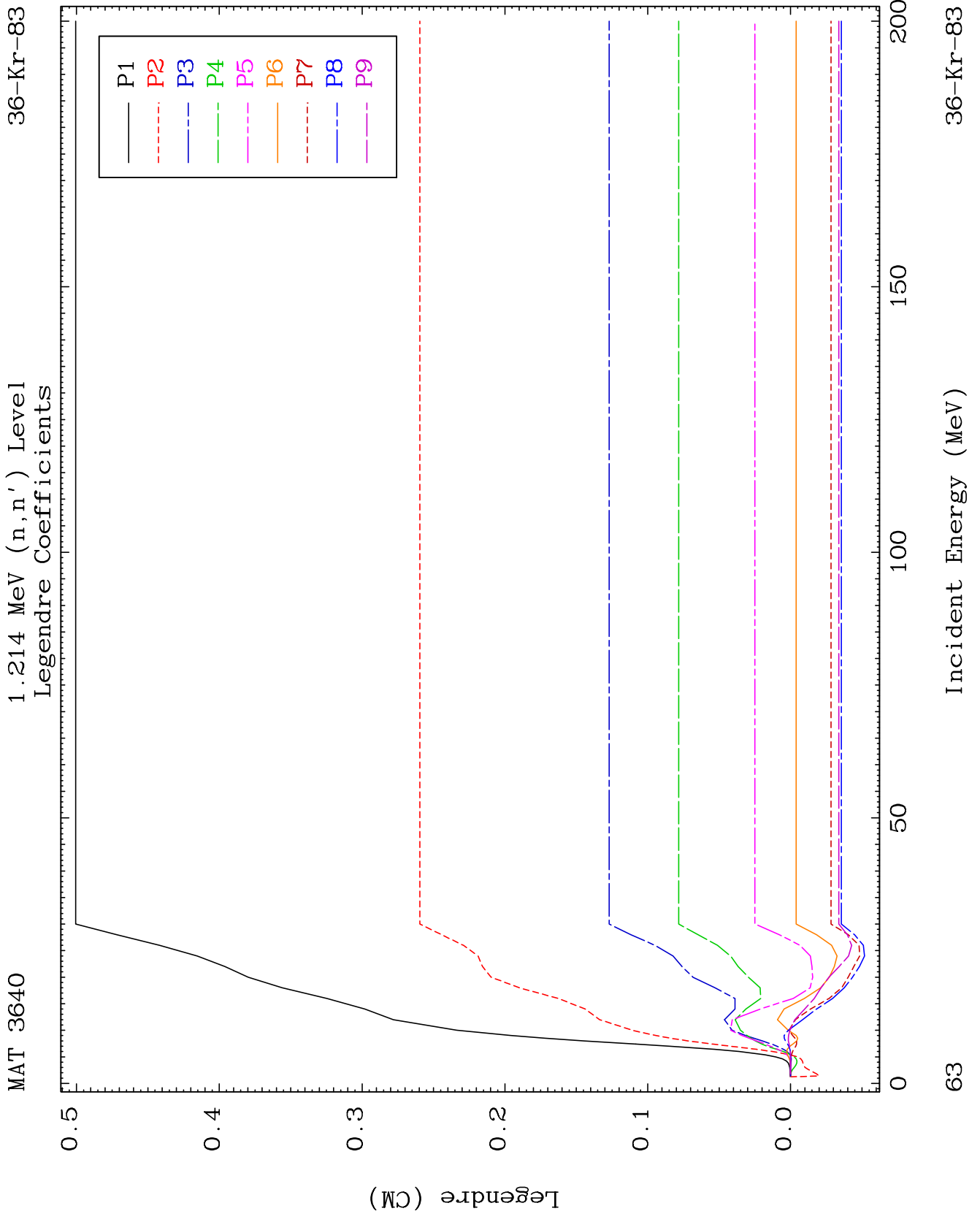
36-Kr-83



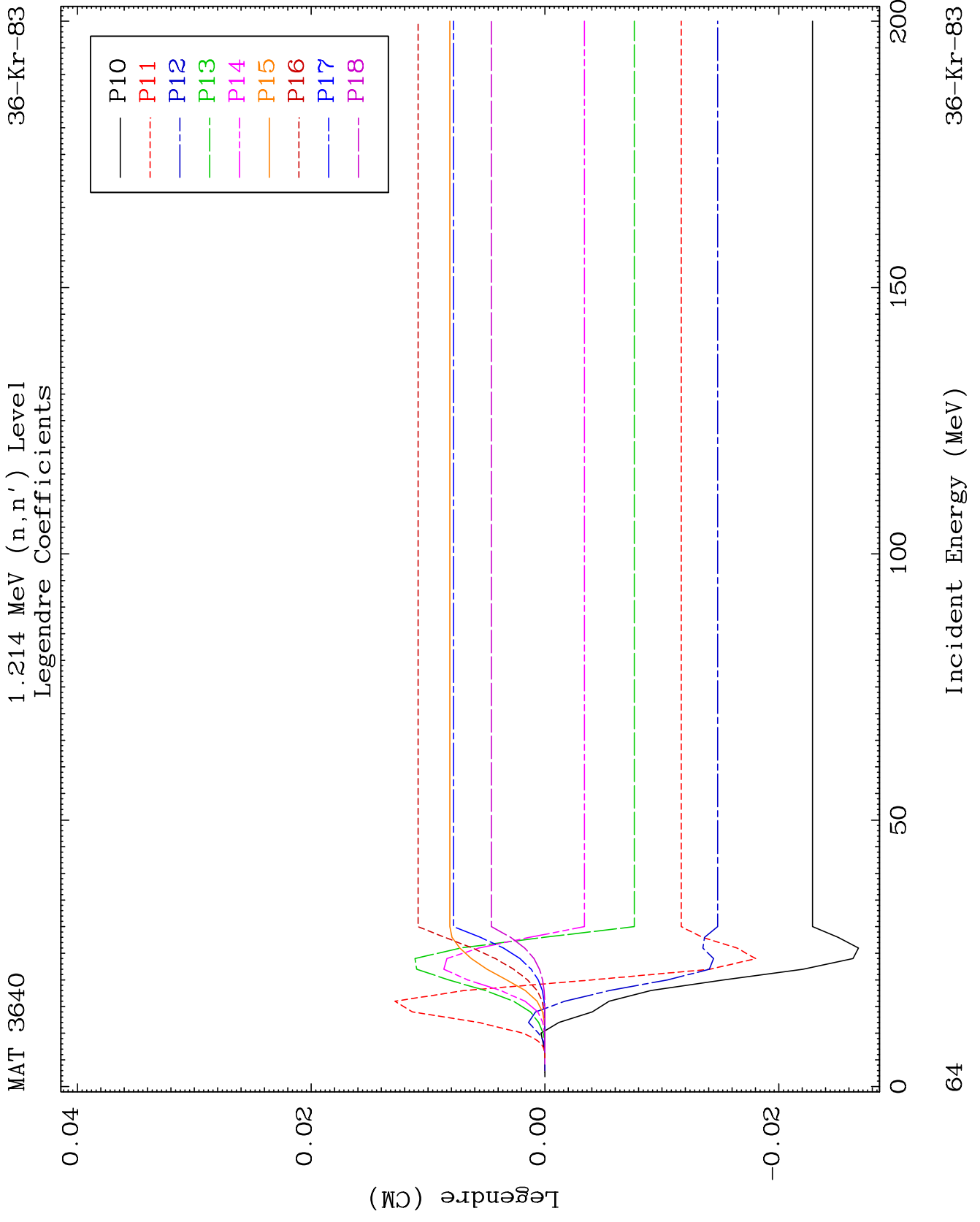
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Incident Energy (MeV)

36-Kr-83



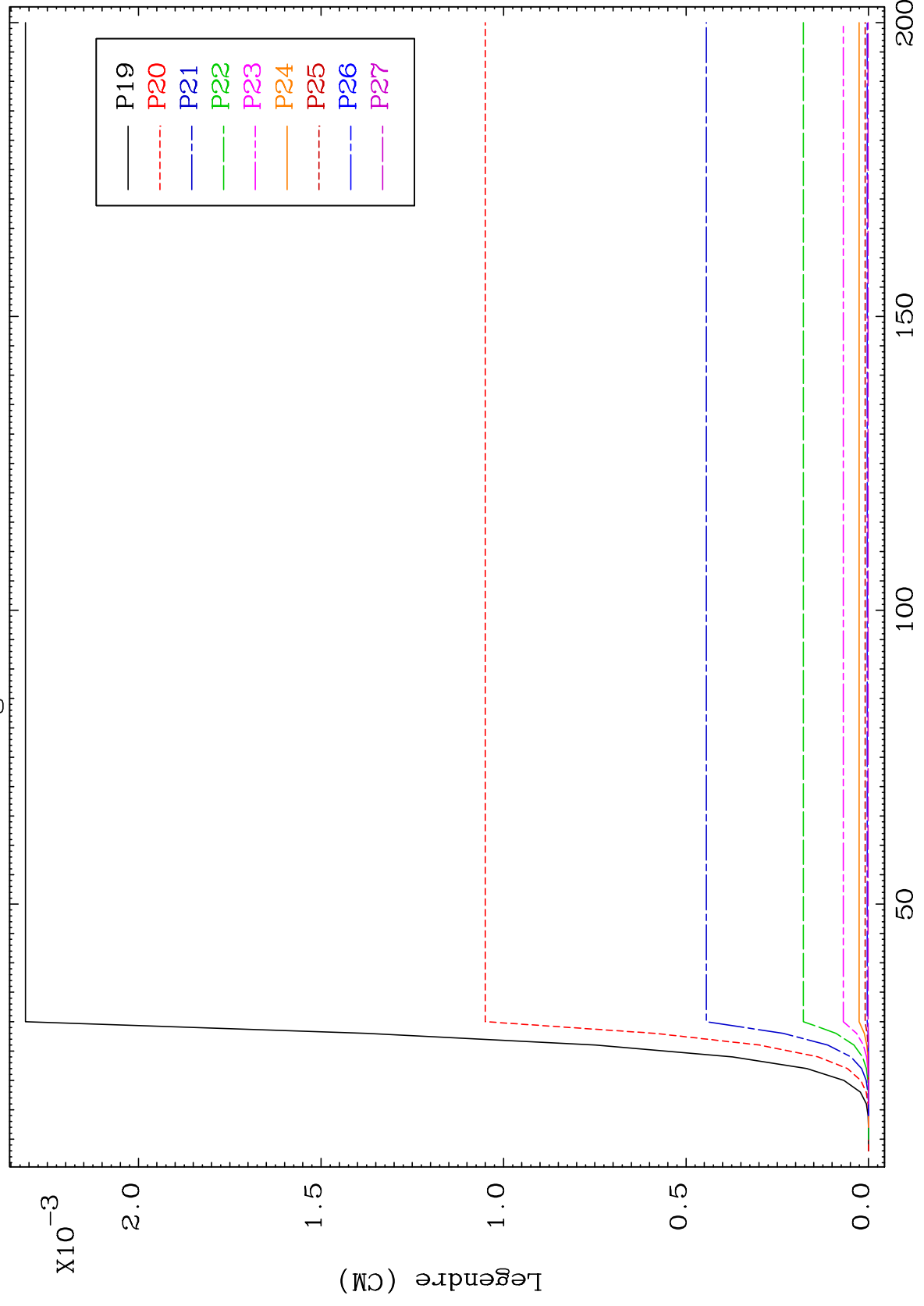




MAT 3640

1.214 MeV (n,n') Level  
Legendre Coefficients

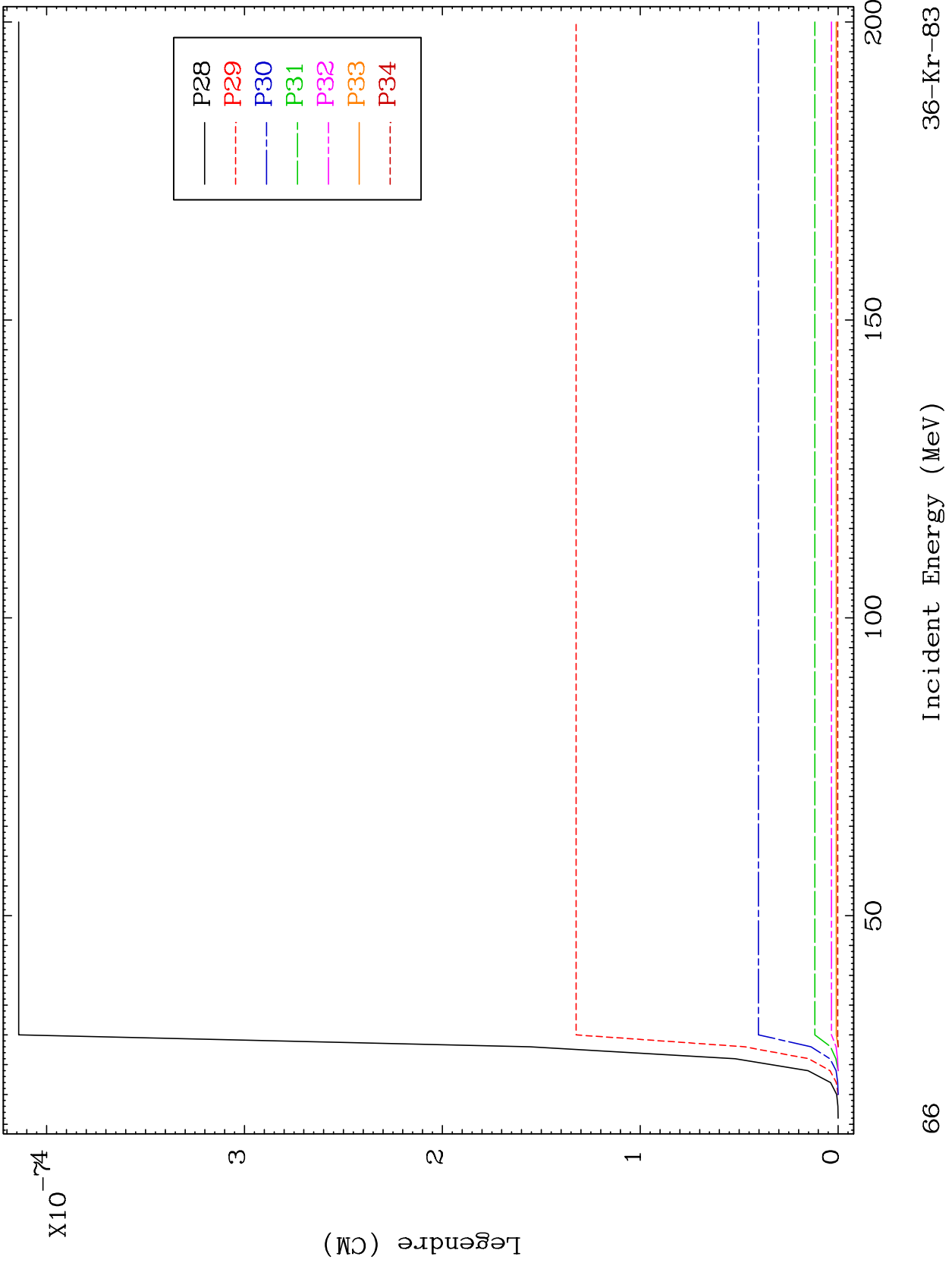
36-Kr-83



36-Kr-83

Incident Energy (MeV)

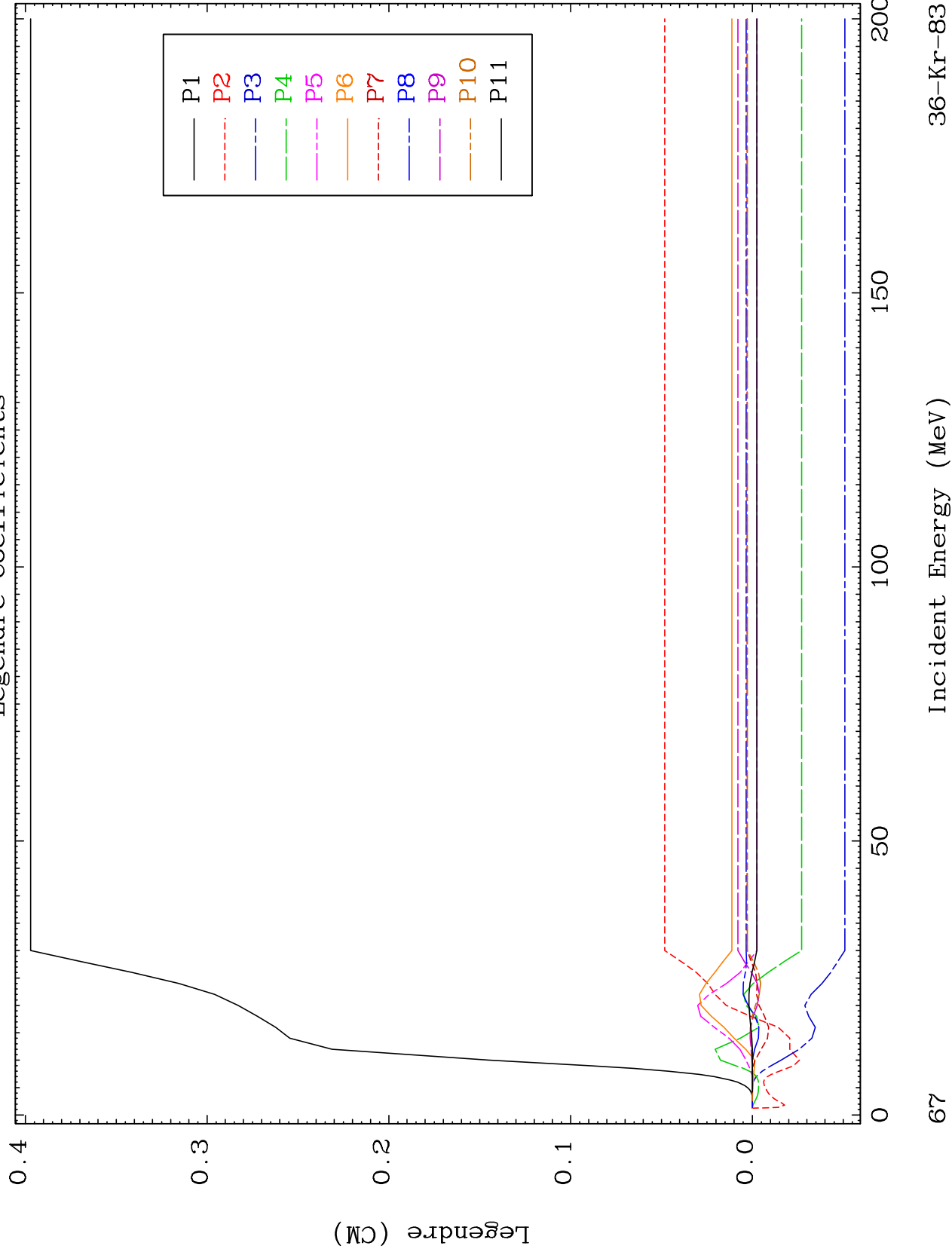
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MAT 3640

1.222 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



67

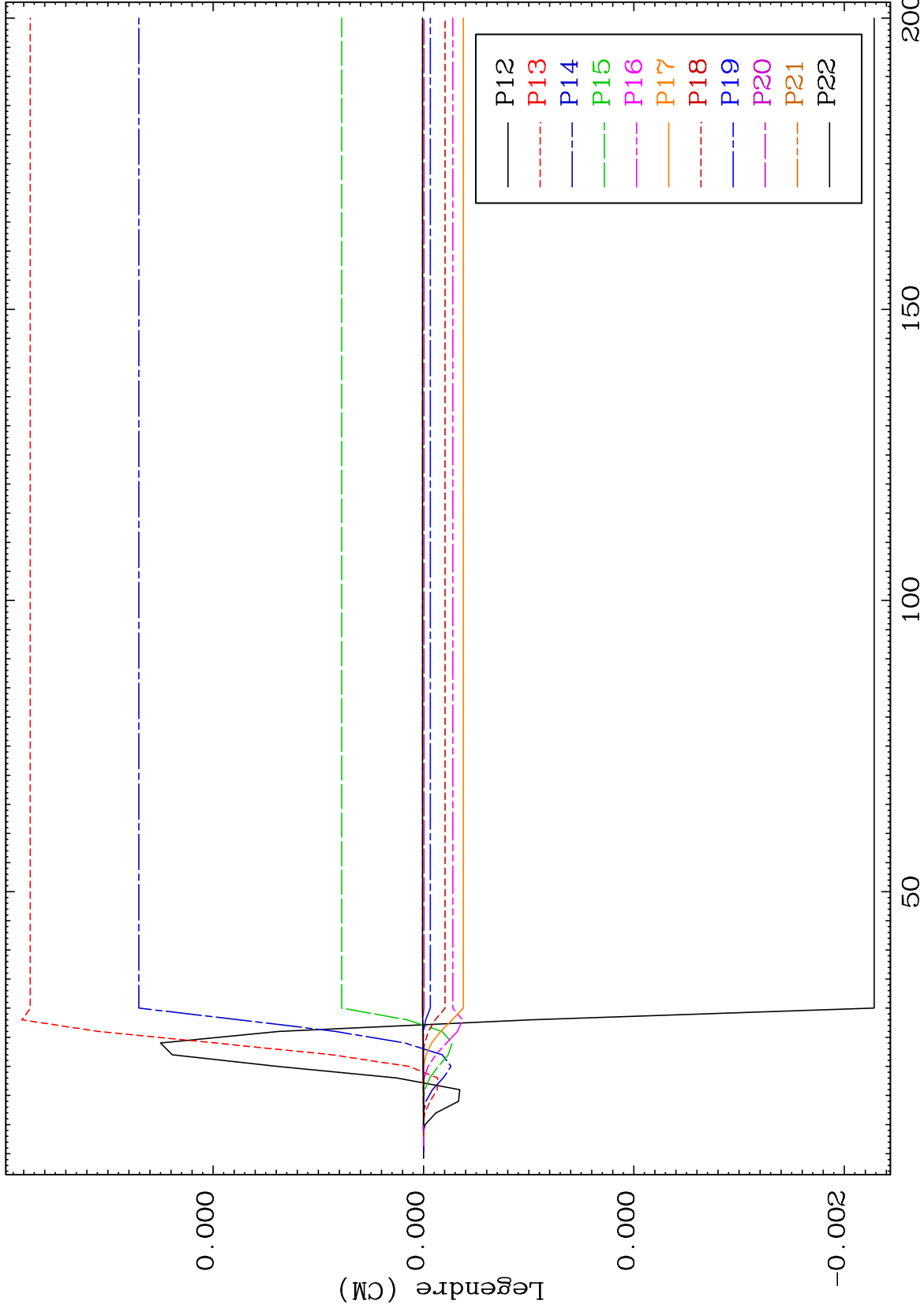
Incident Energy (MeV)

36-Kr-83

MAT 3640

1.222 MeV (n,n') Level  
Legendre Coefficients

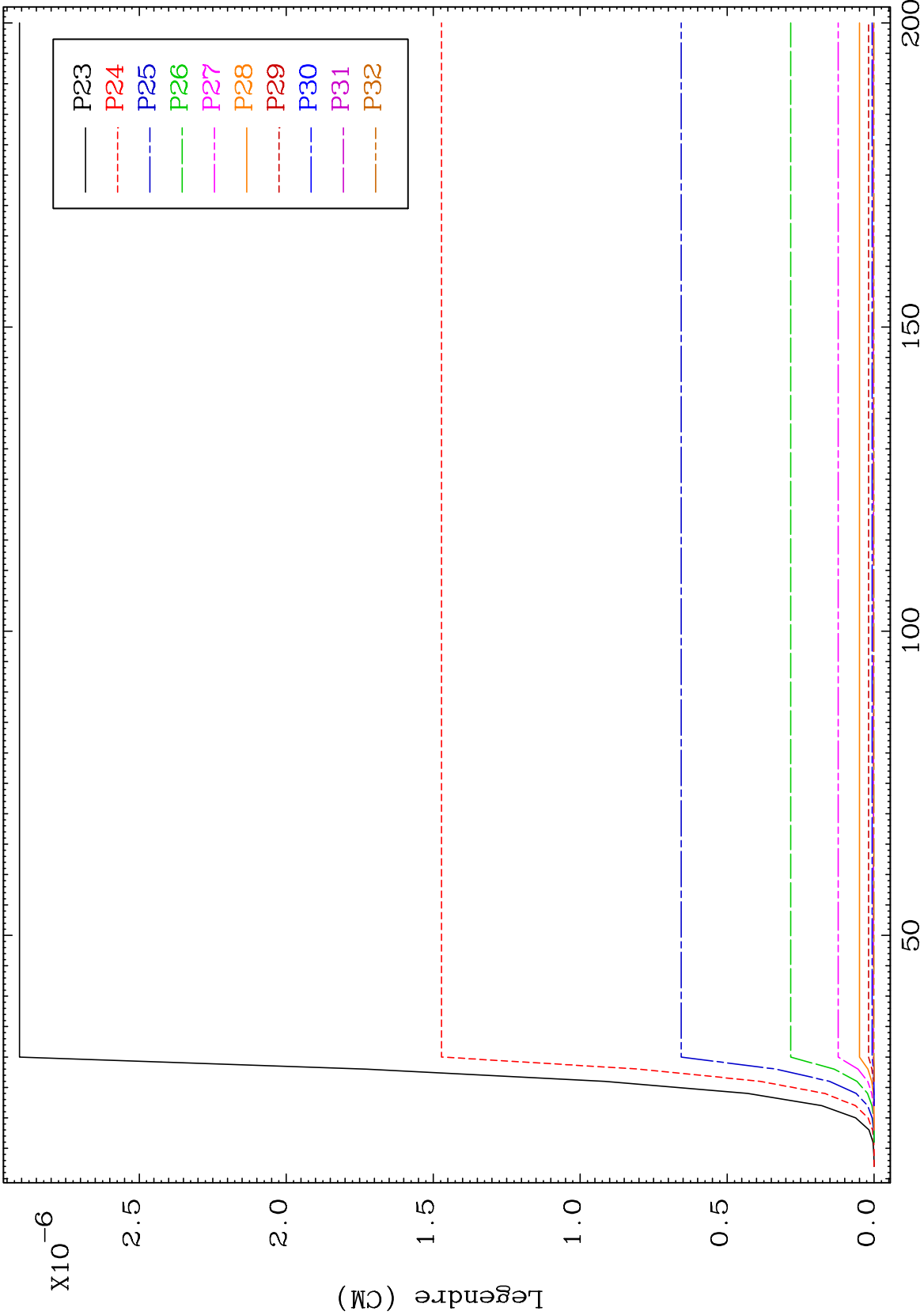
36-Kr-83

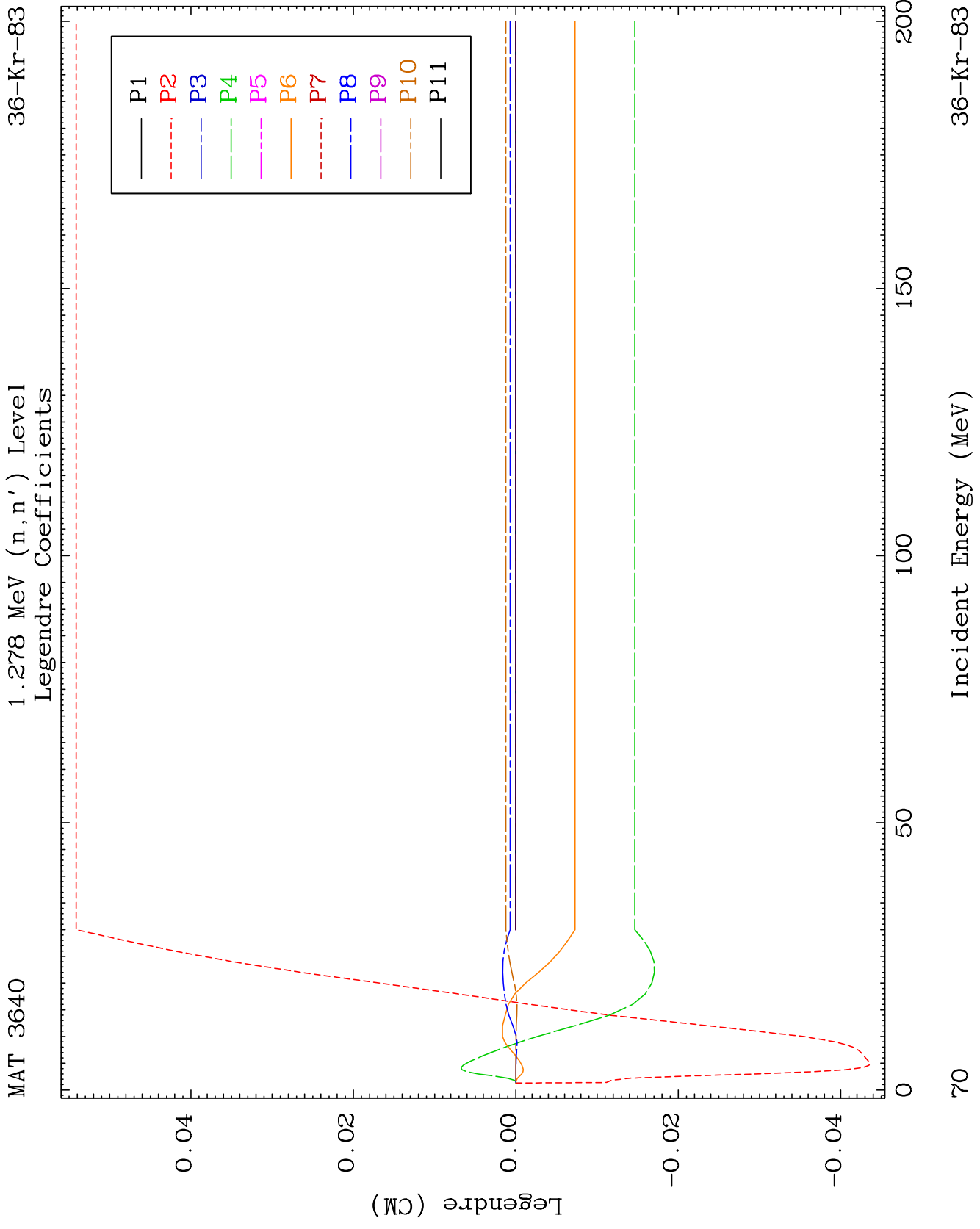


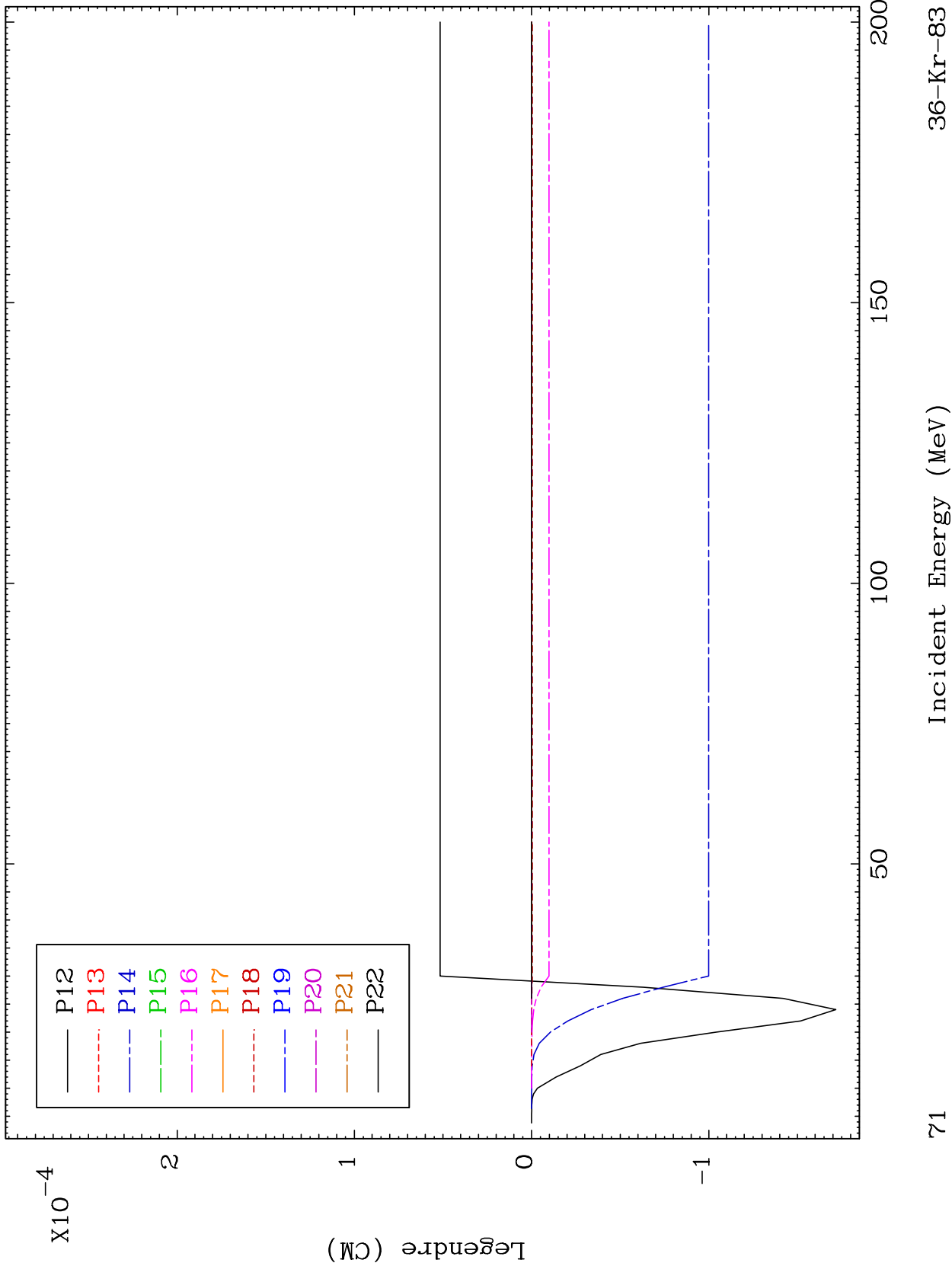
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Incident Energy (MeV)

36-Kr-83





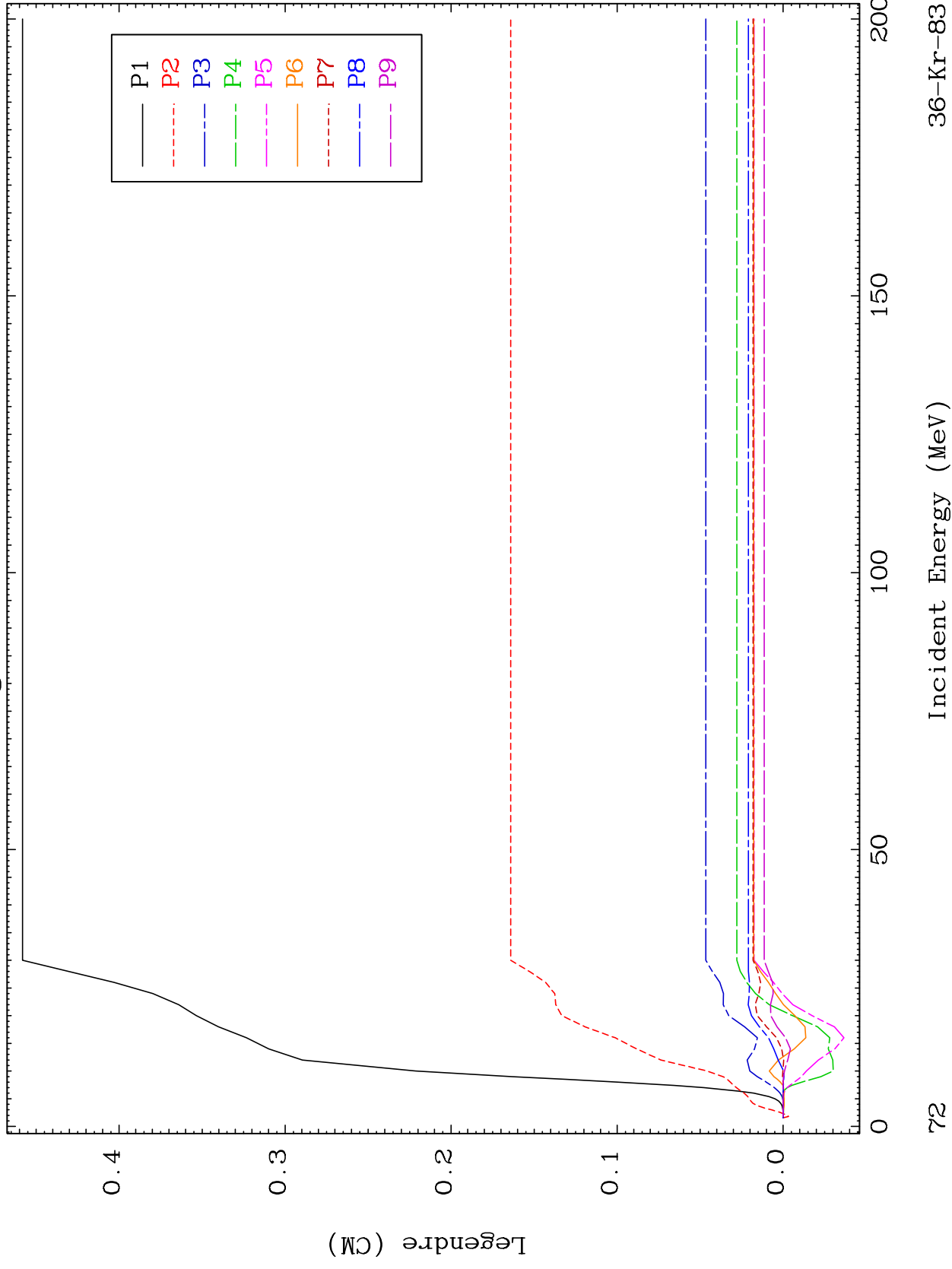




MAT 3640

1.517 MeV (n, n') Level  
Legendre Coefficients

36-Kr-83



36-Kr-83

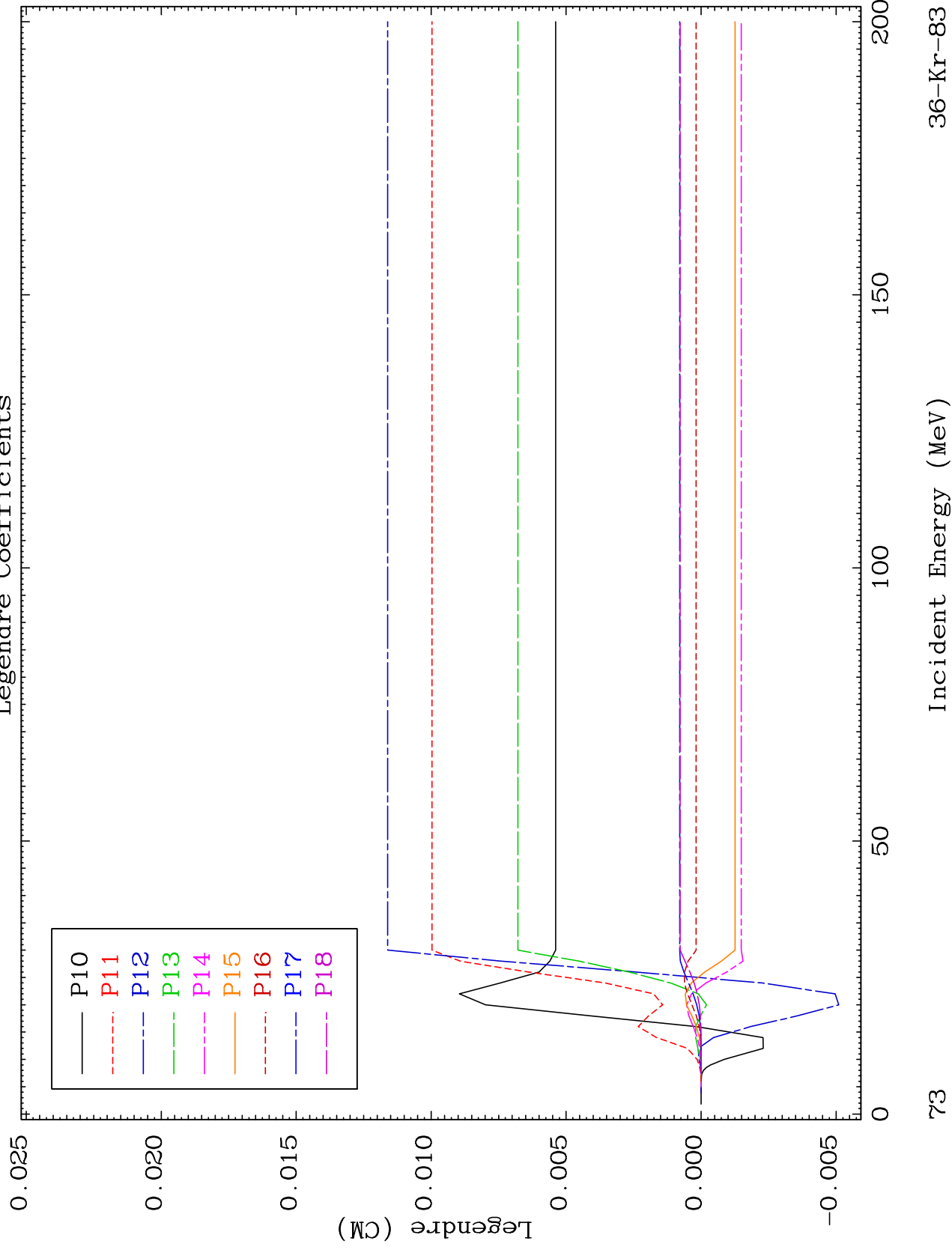
Incident Energy (MeV)

72

MAT 3640

1.517 MeV (n,n') Level  
Legendre Coefficients

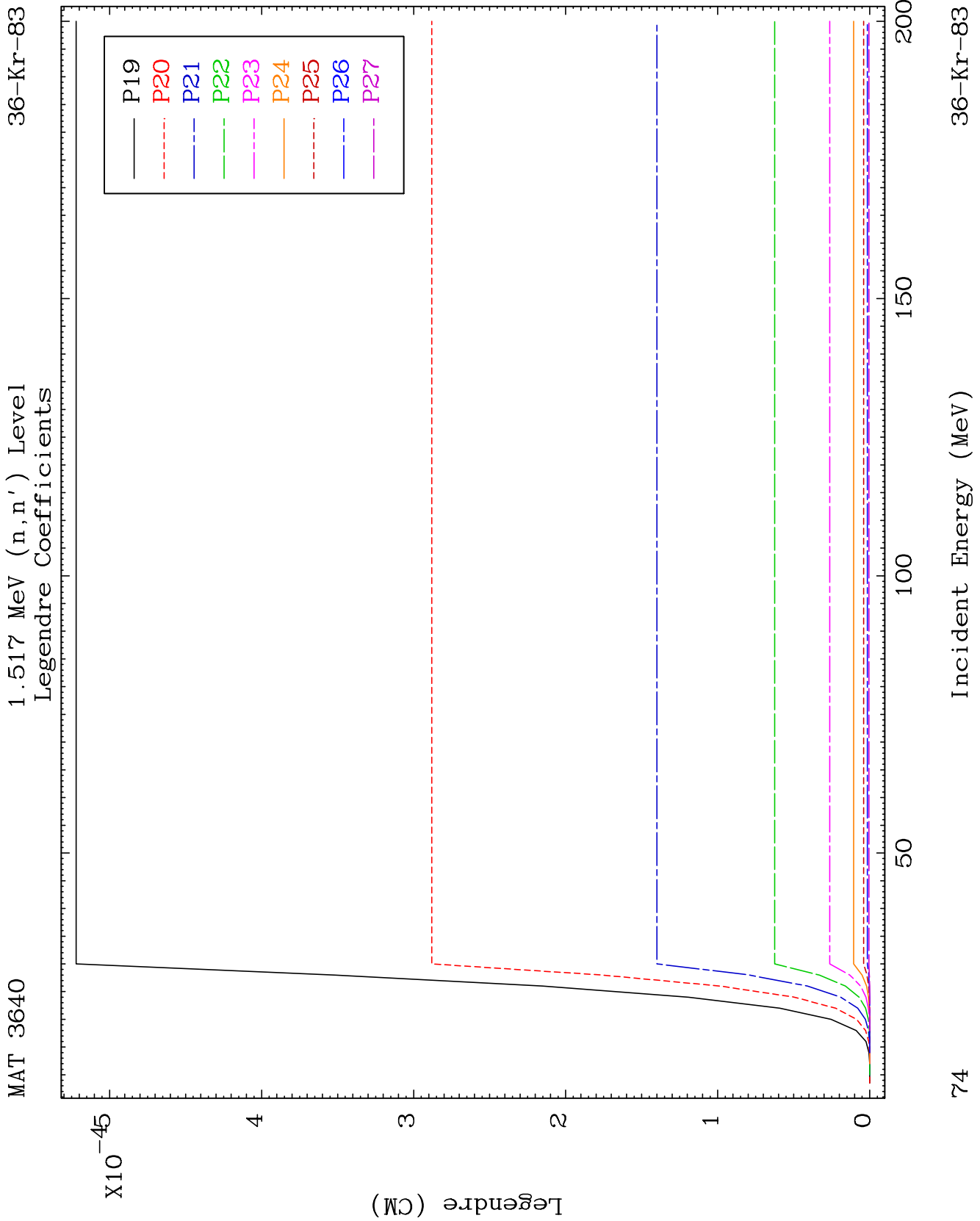
36-Kr-83



73

Incident Energy (MeV)

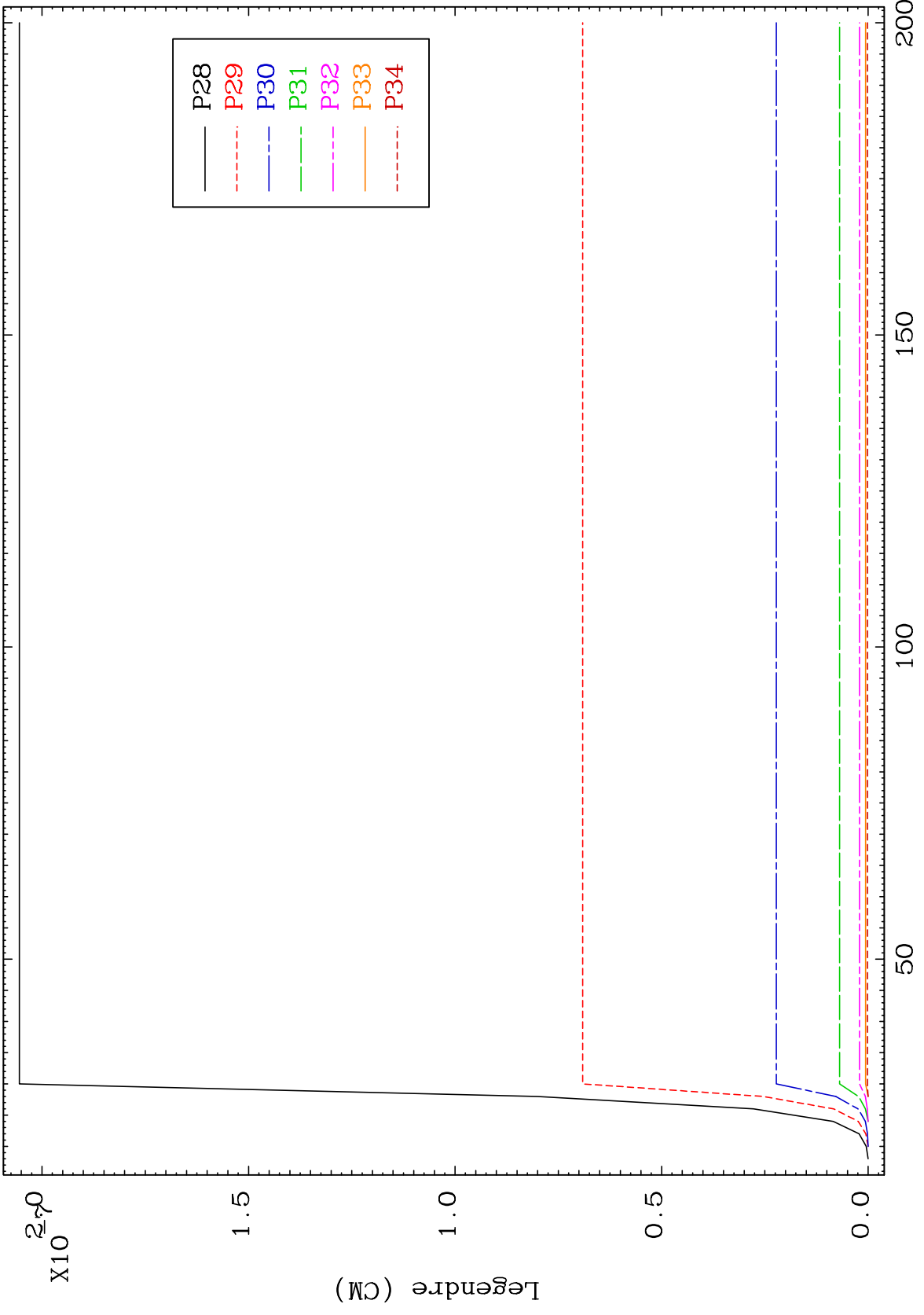
36-Kr-83



MAT 3640

1.517 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



36-Kr-83

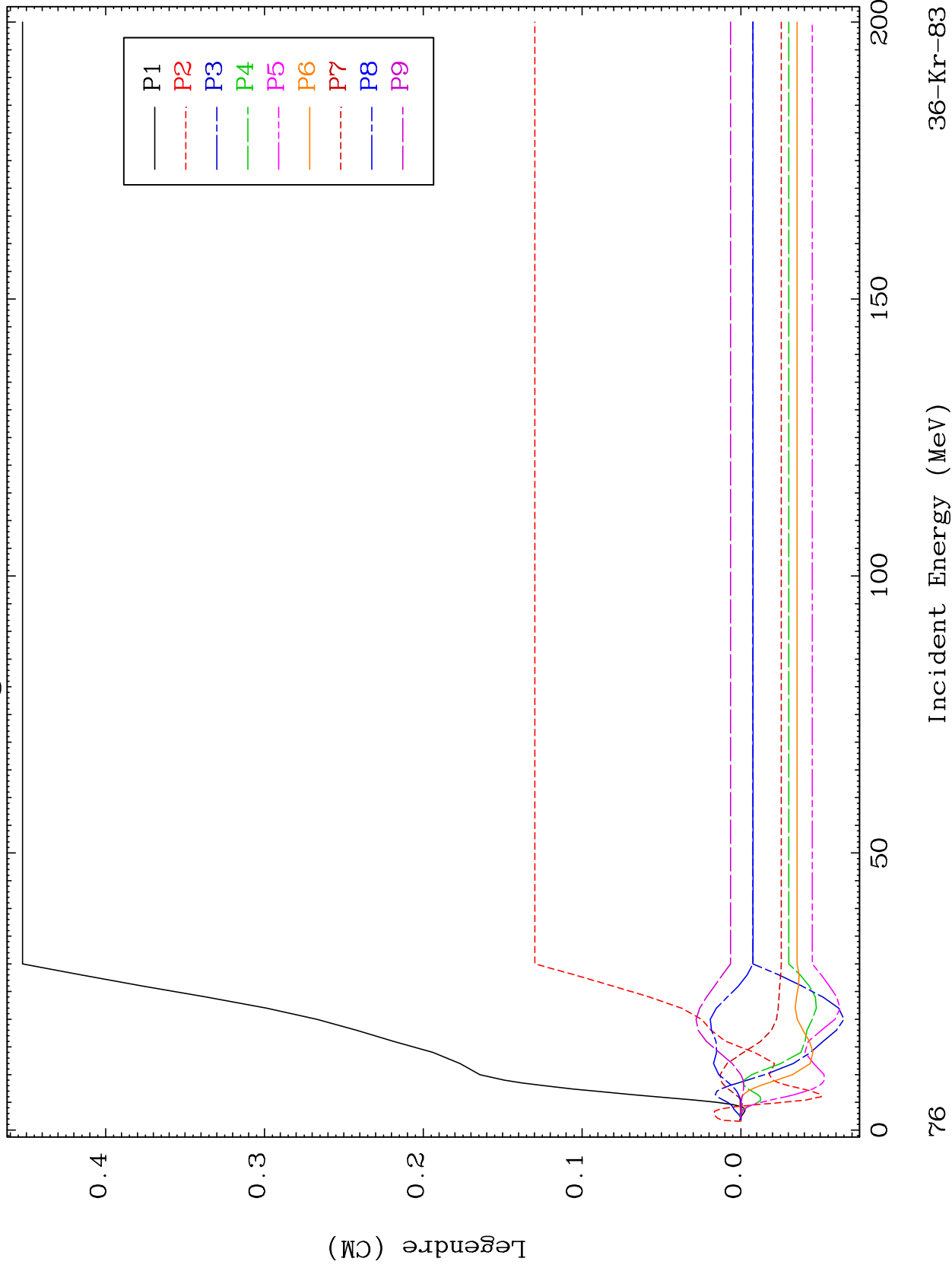
Incident Energy (MeV)

75

MAT 3640

1.529 MeV (n,n') Level  
Legendre Coefficients

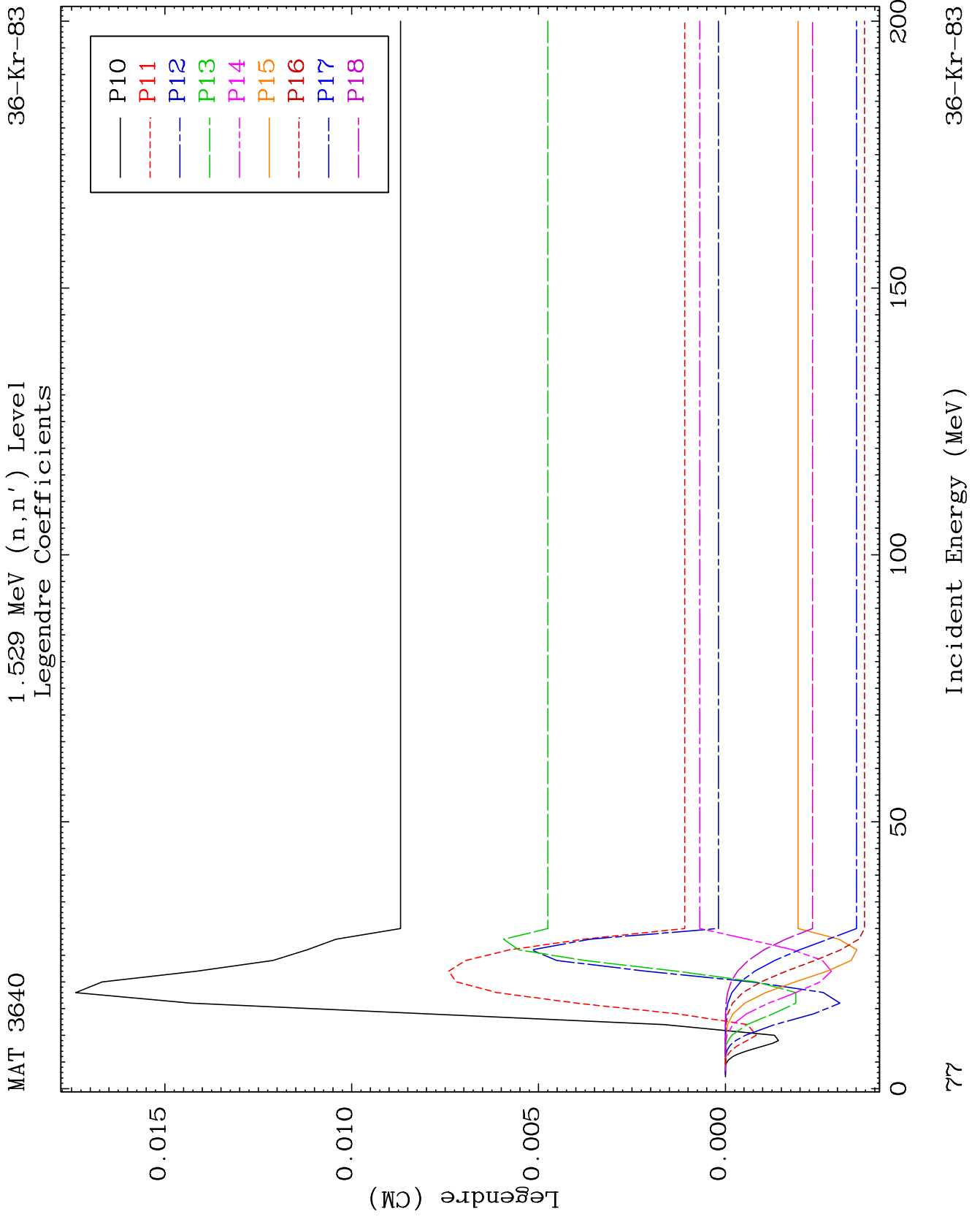
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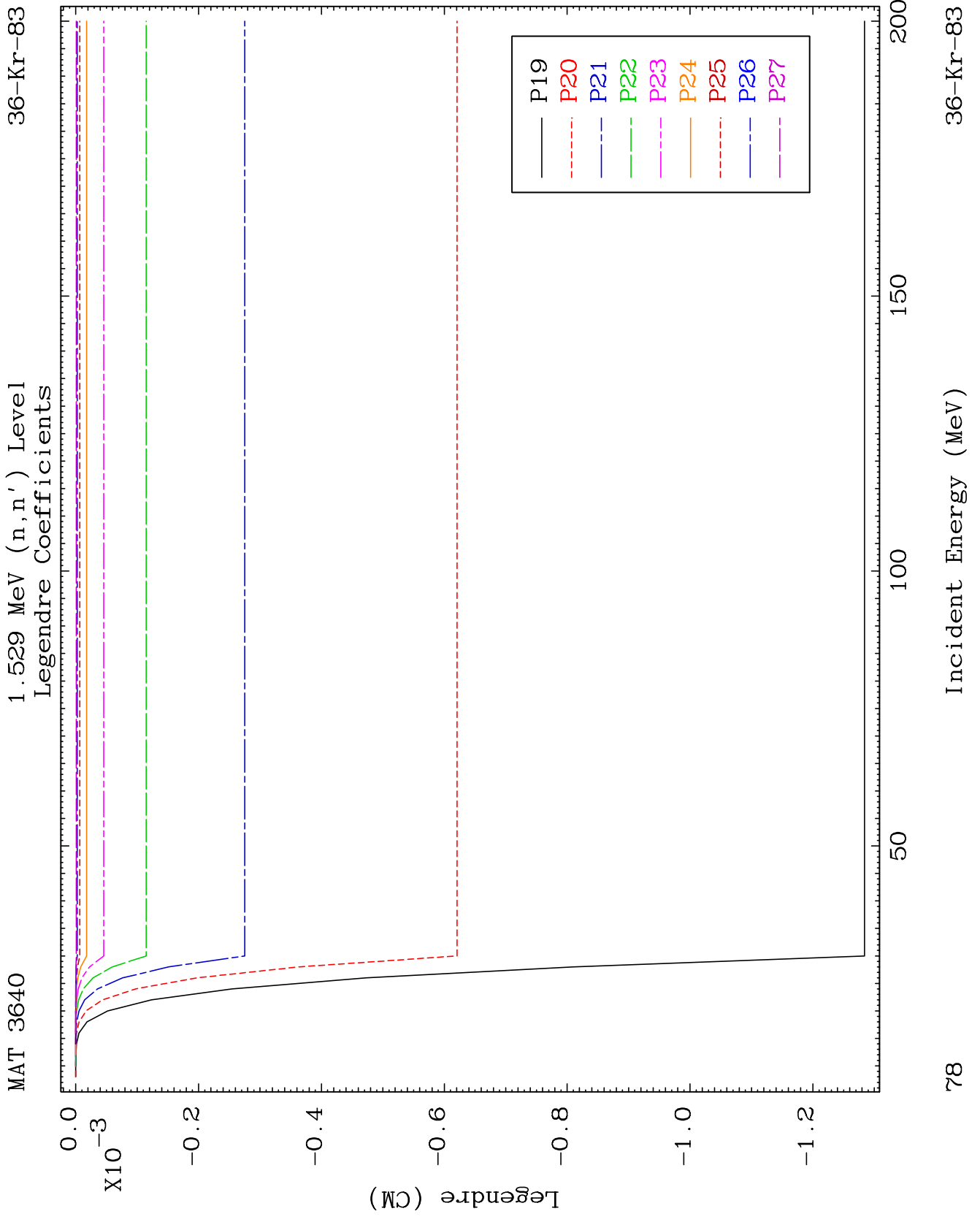


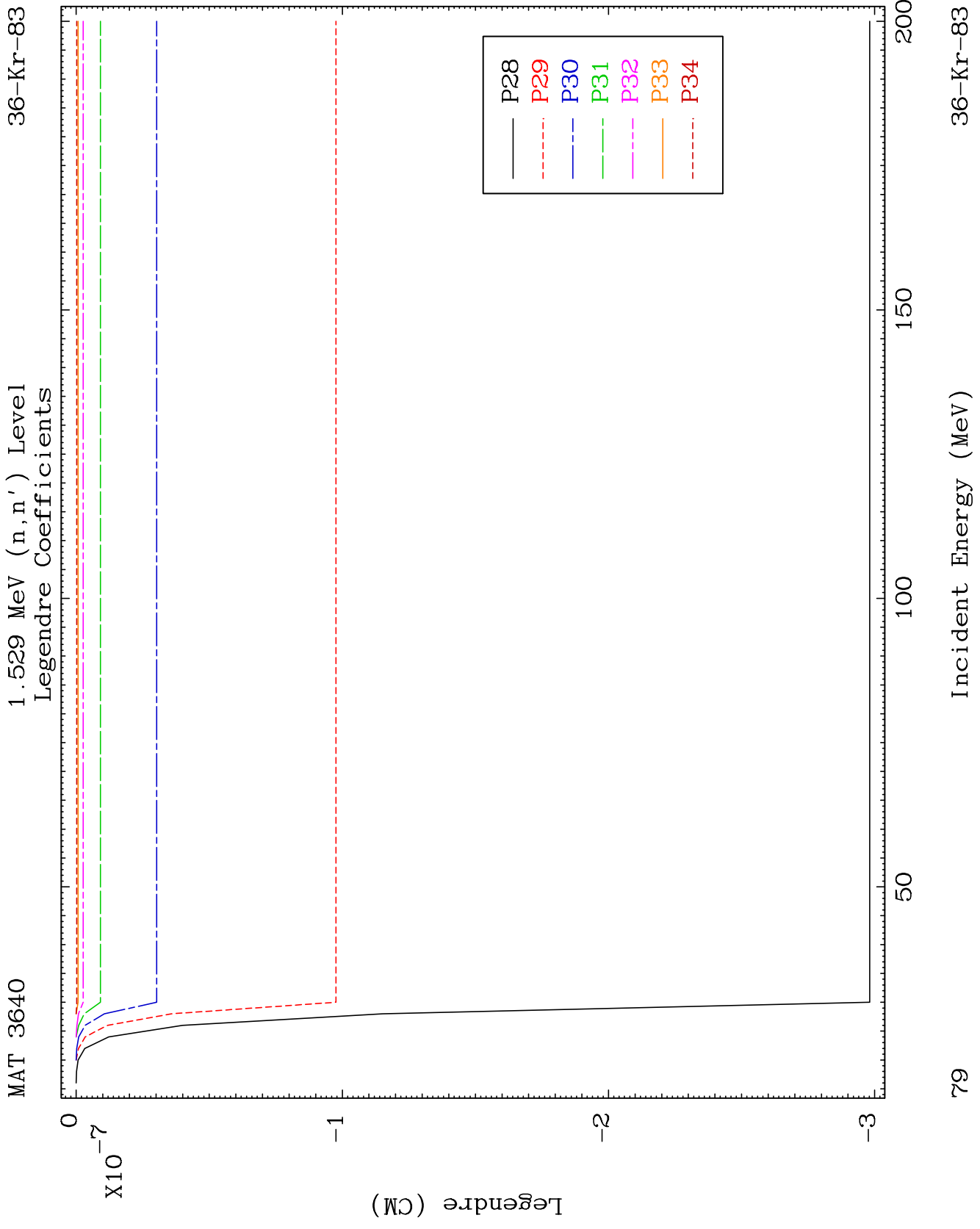
76

Incident Energy (MeV)

36-Kr-83

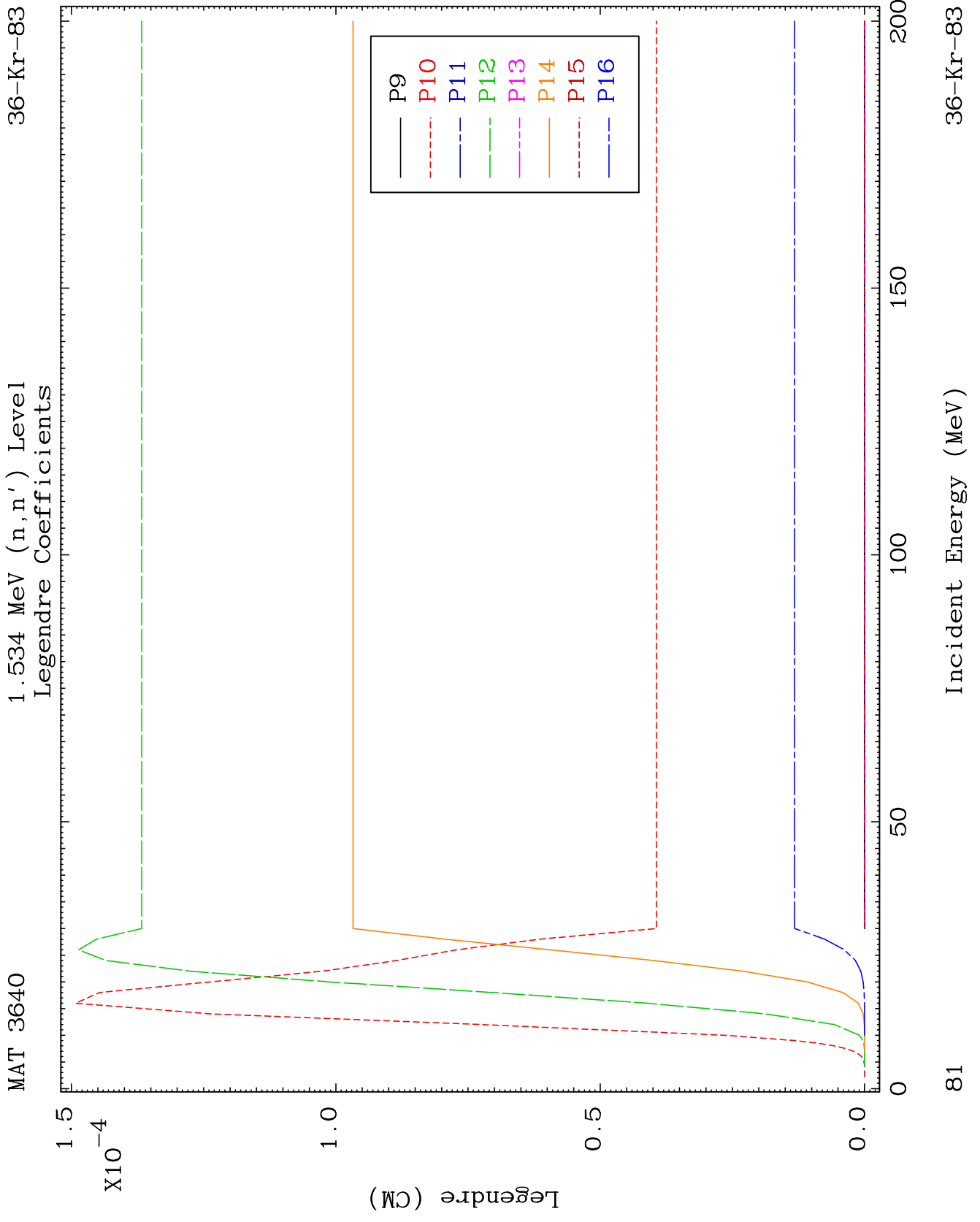






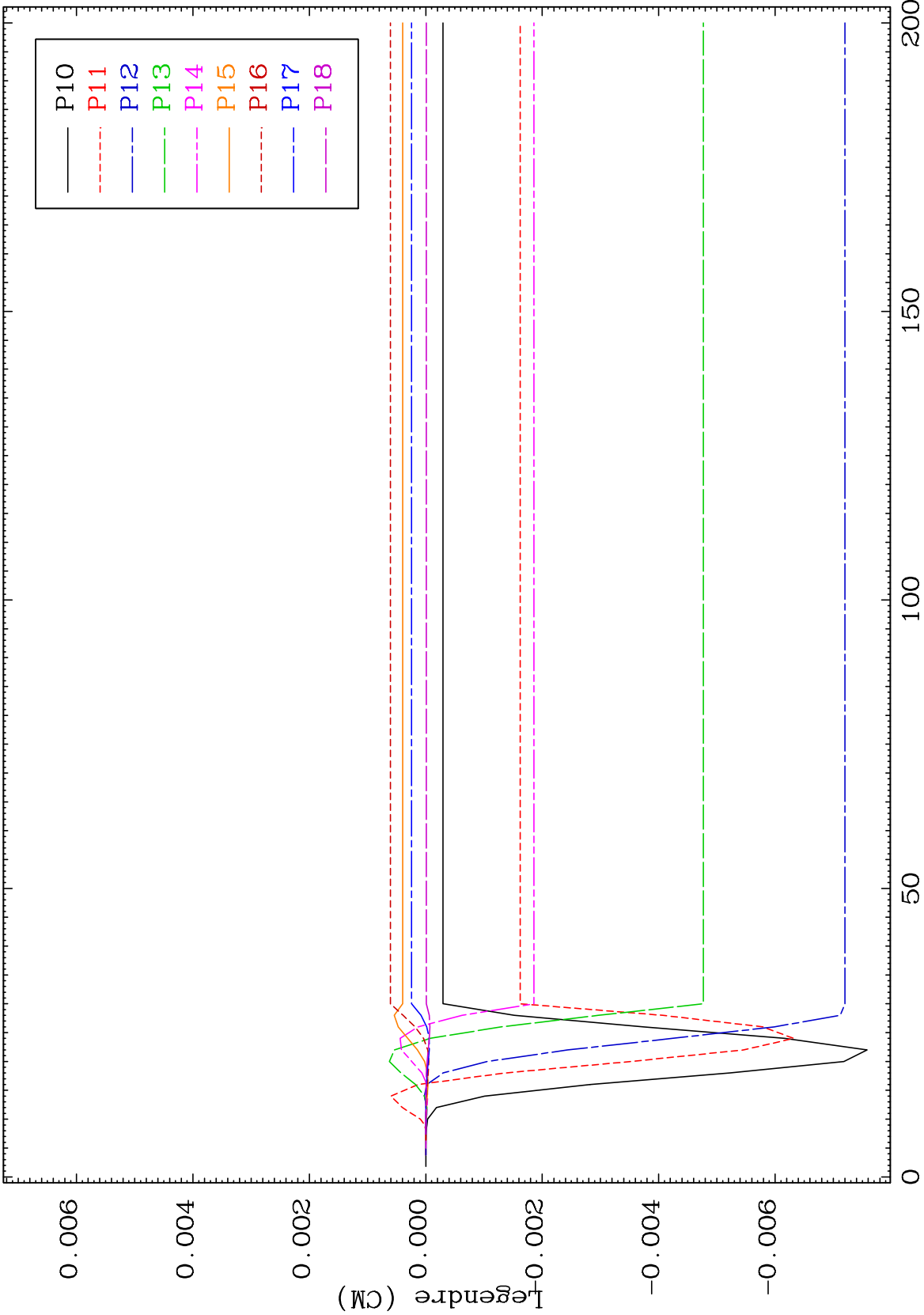








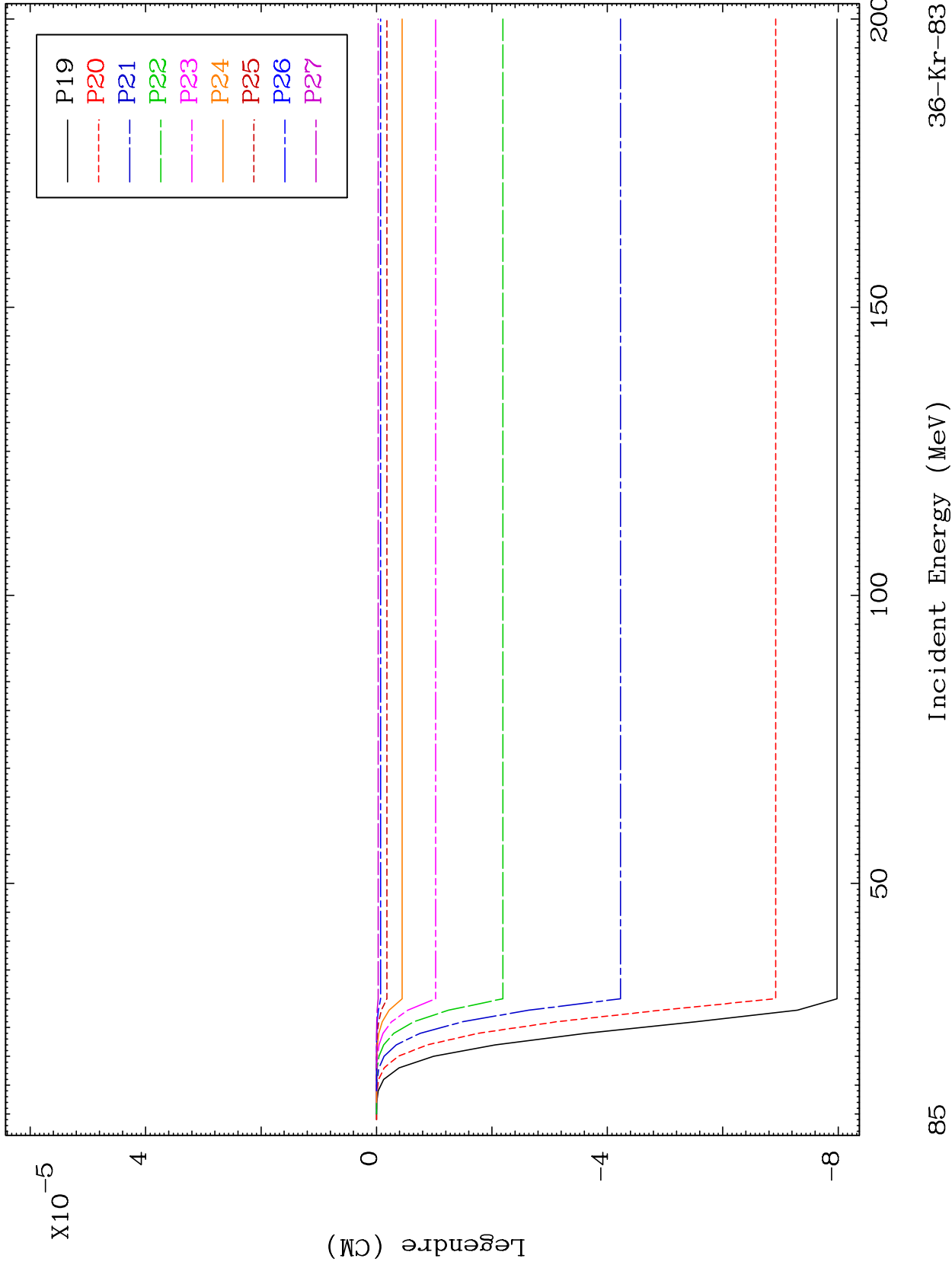


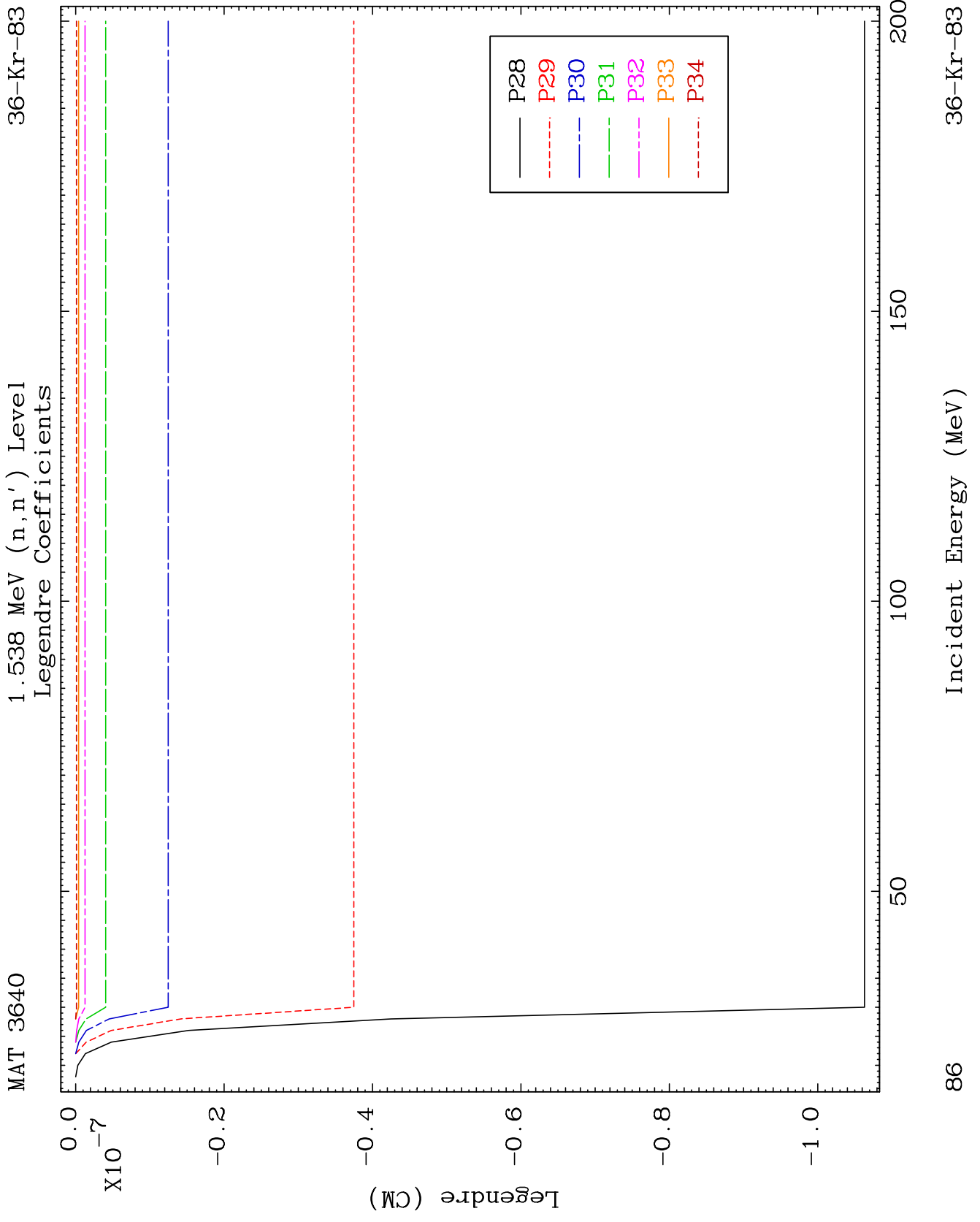


MAT 3640

1.538 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83

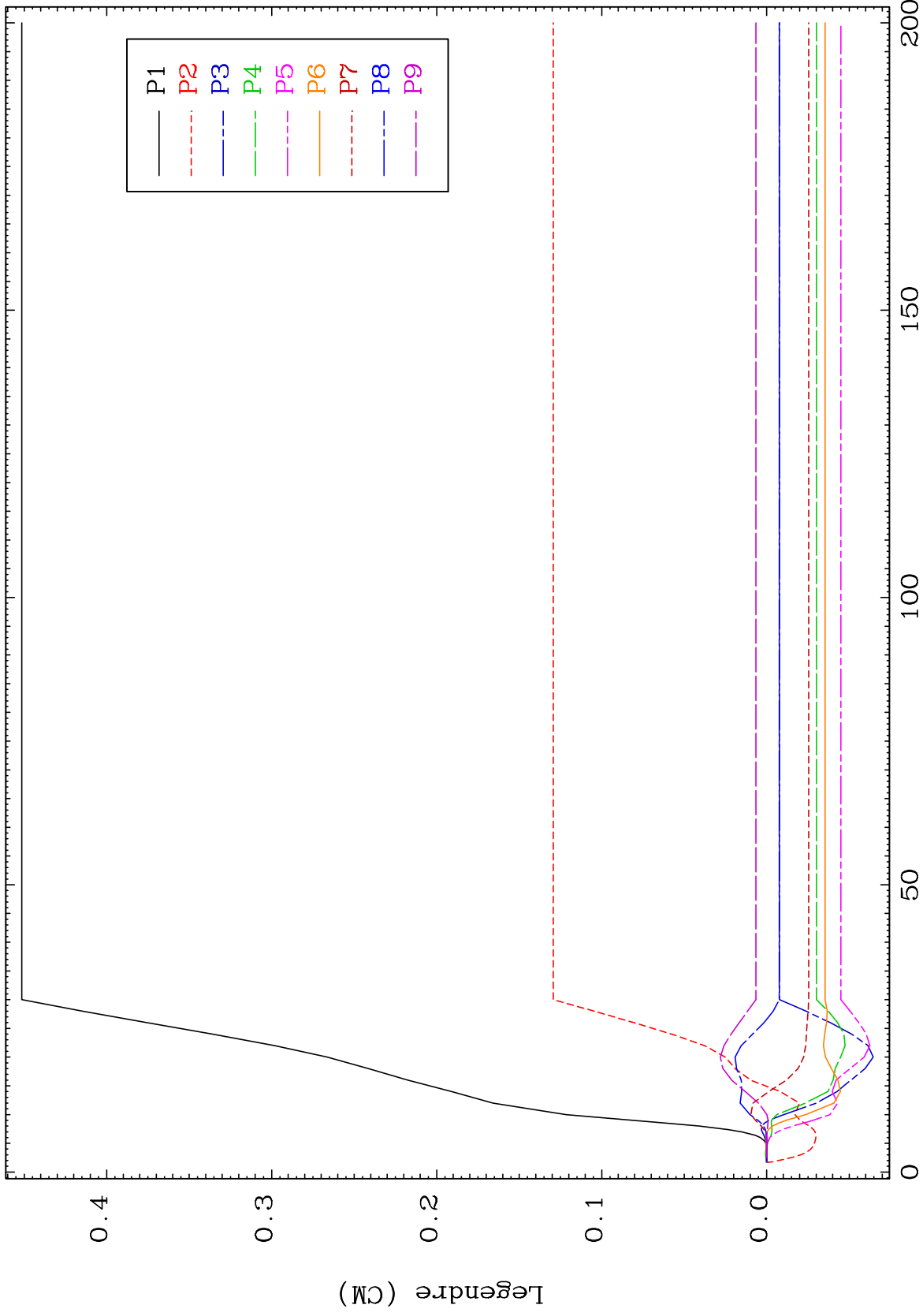




MAT 3640

1.642 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83

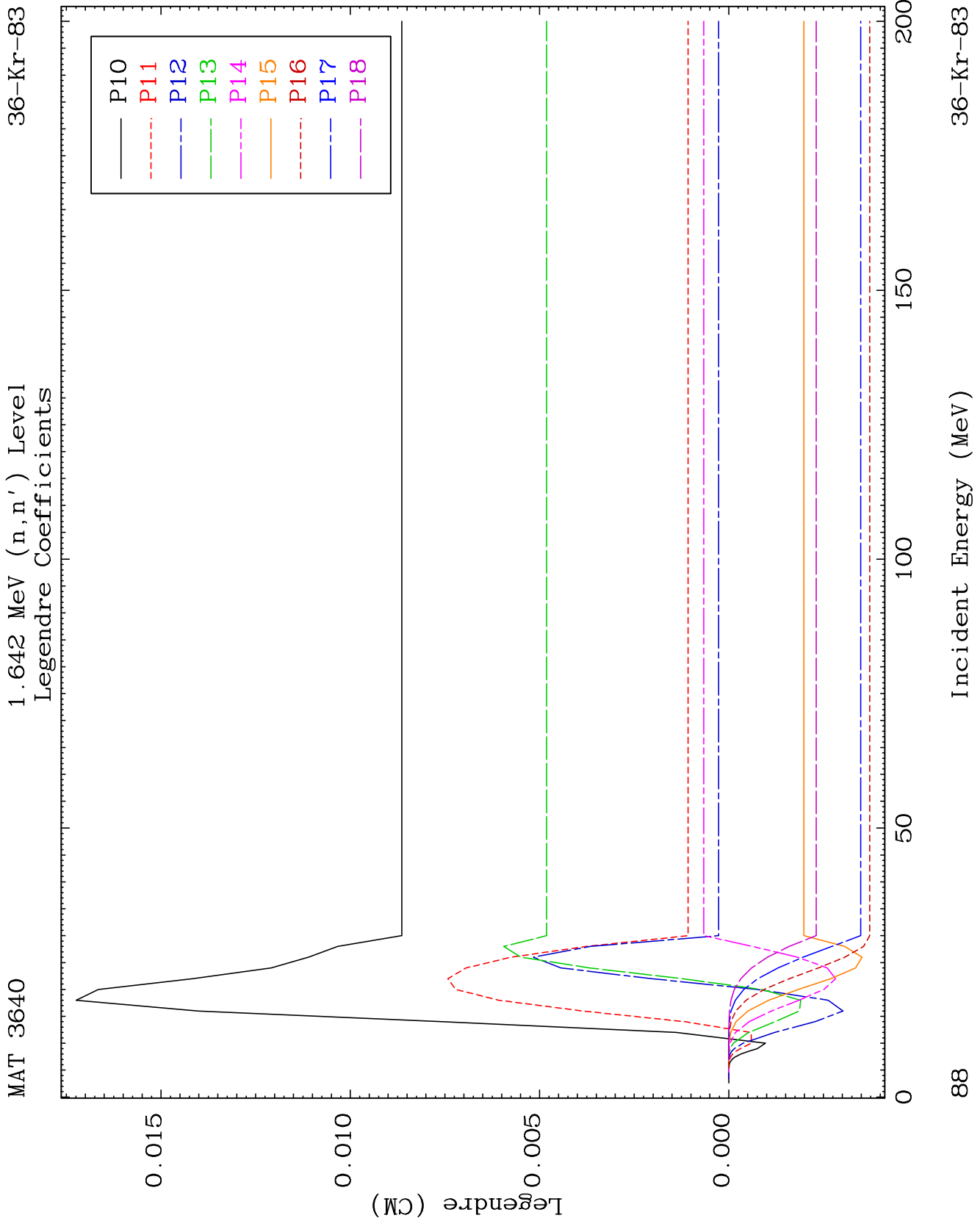


87

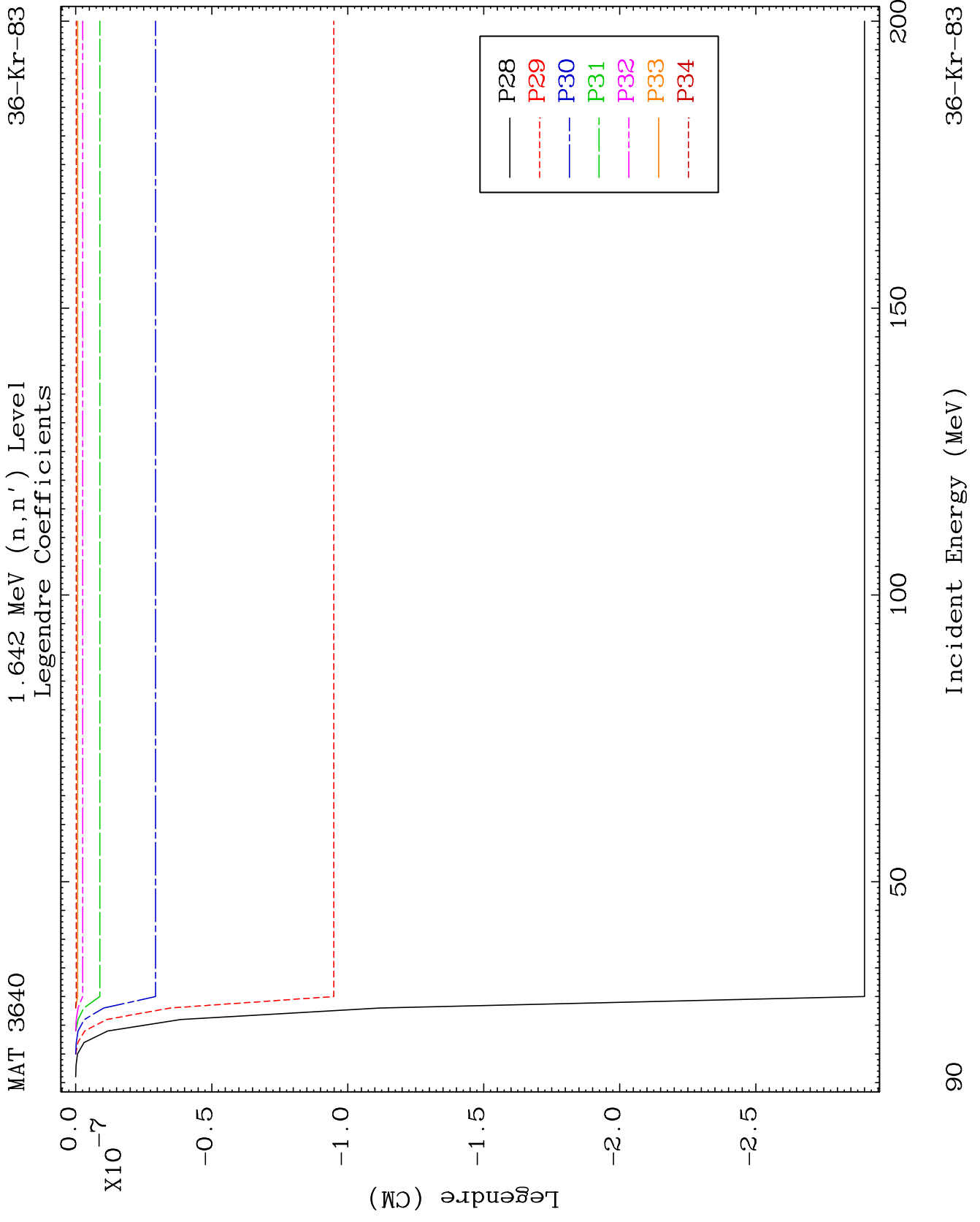
Incident Energy (MeV)

36-Kr-83





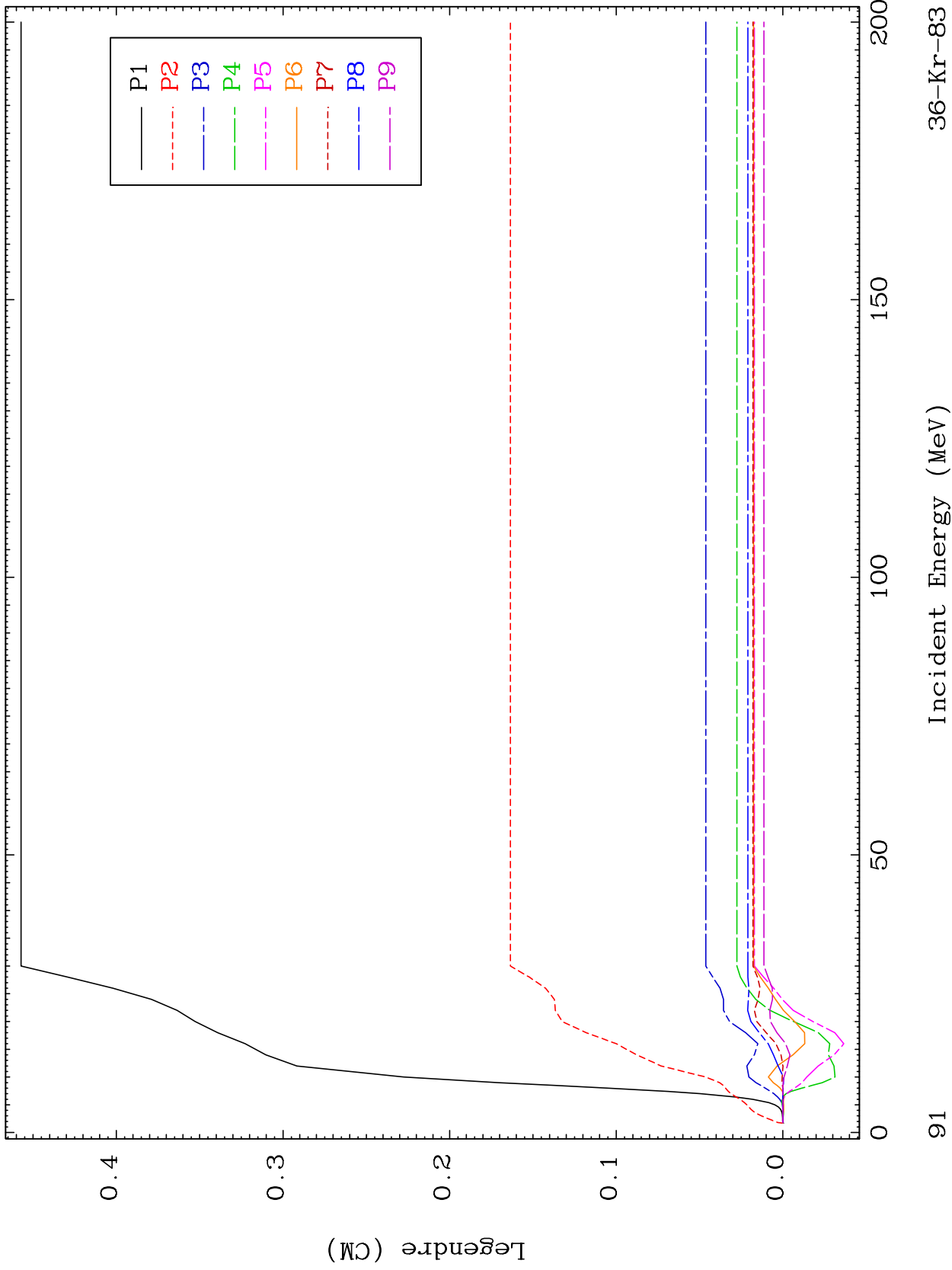




MAT 3640

1.668 MeV (n,n') Level  
Legendre Coefficients

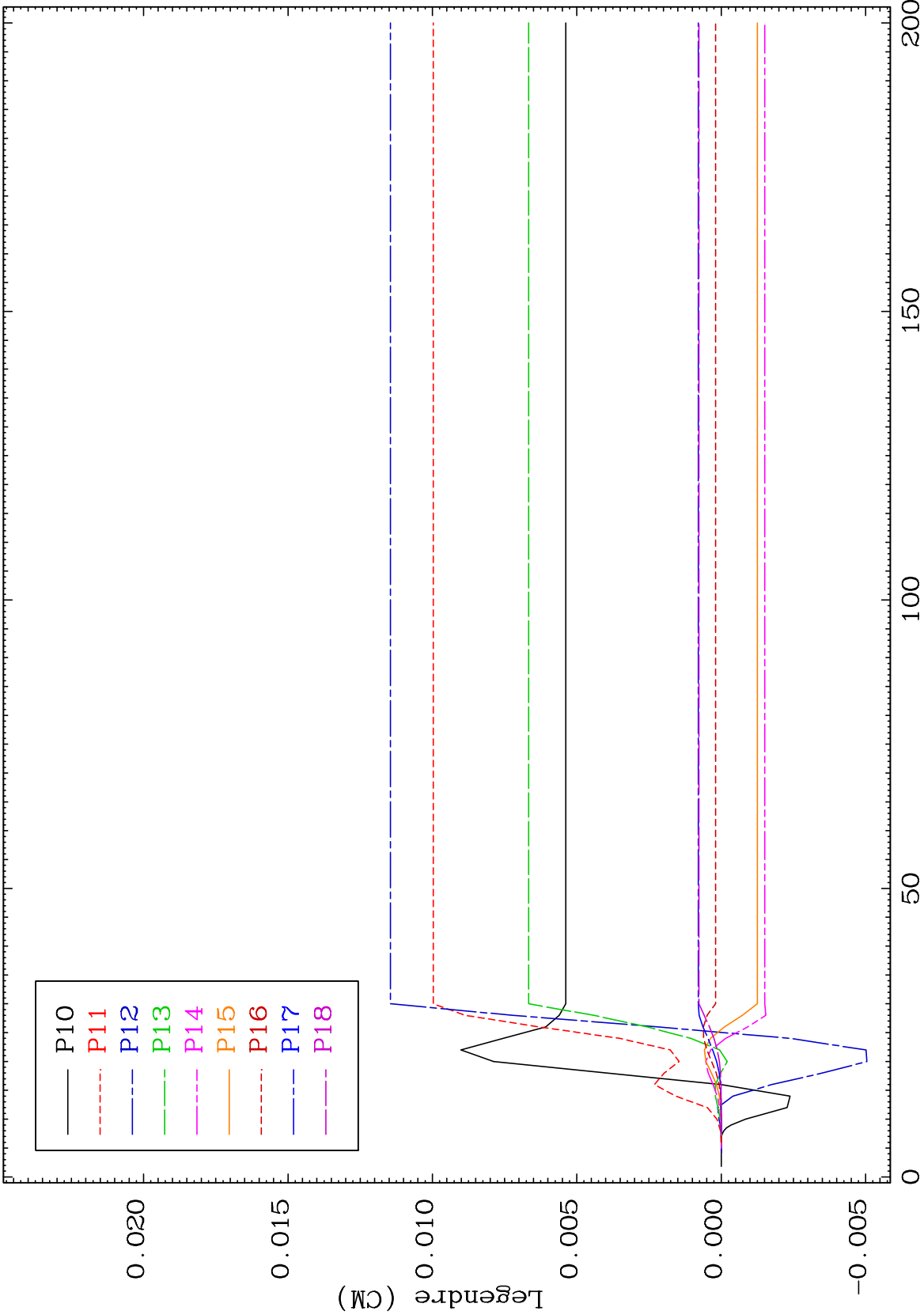
36-Kr-83

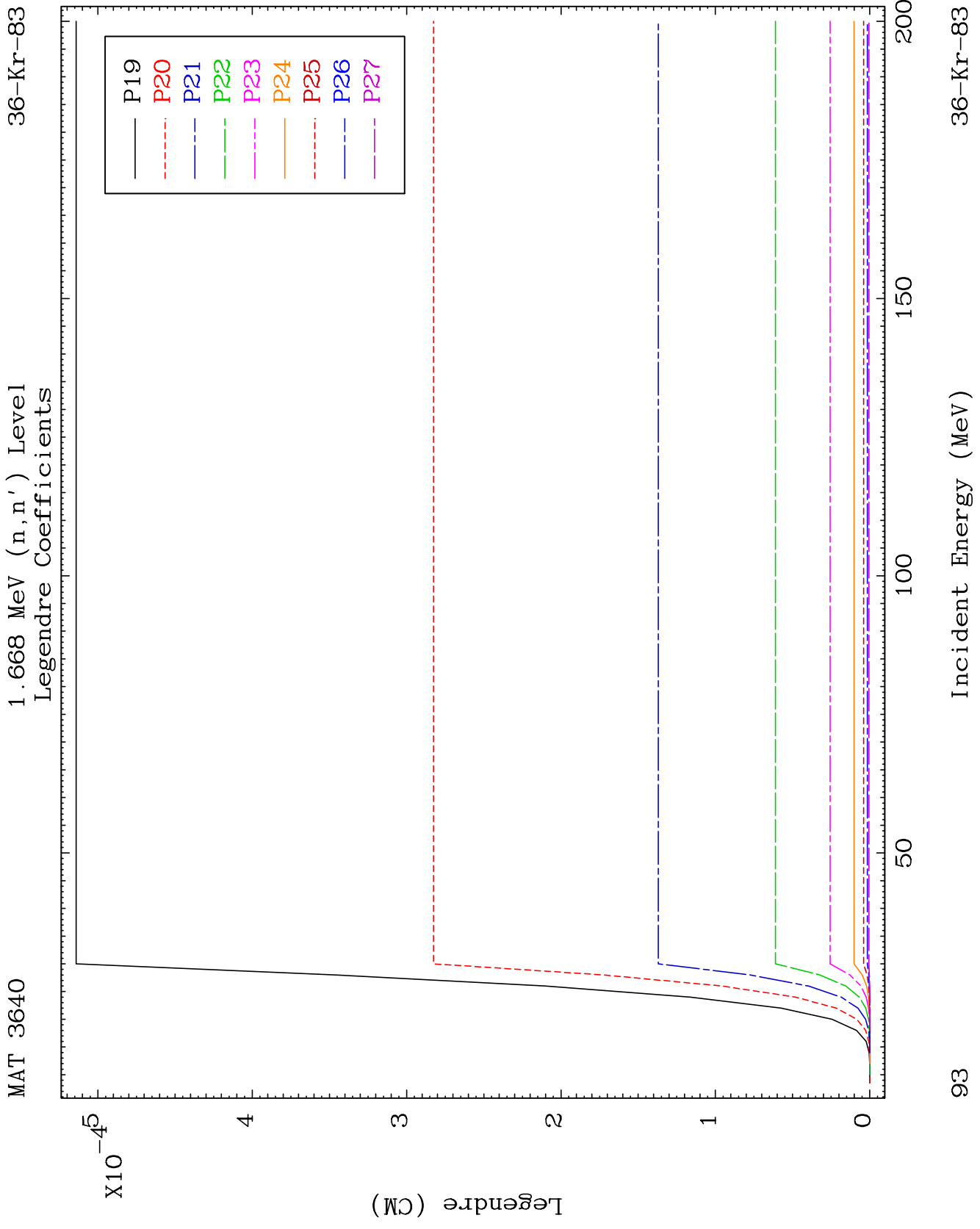


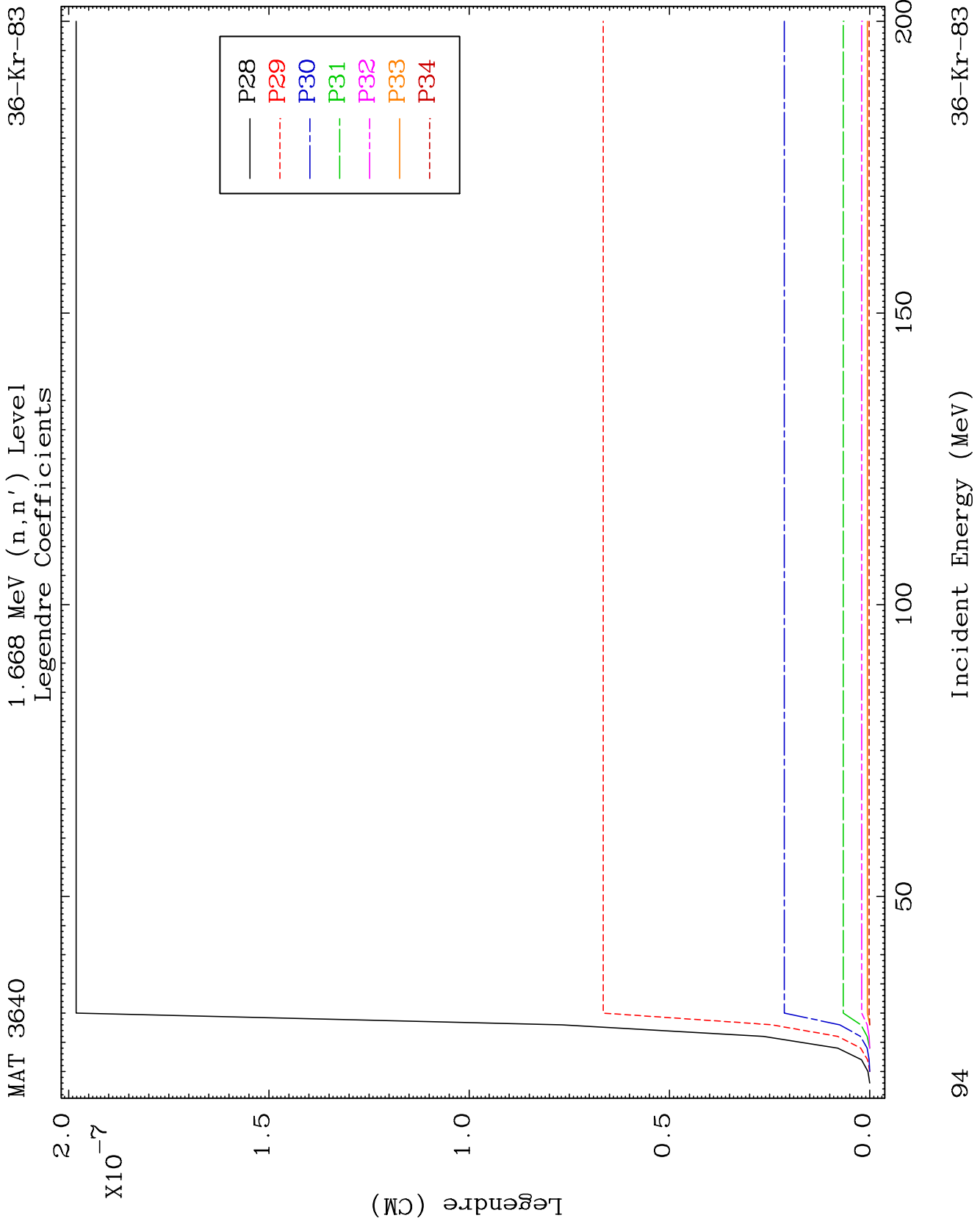
91

Incident Energy (MeV)

36-Kr-83

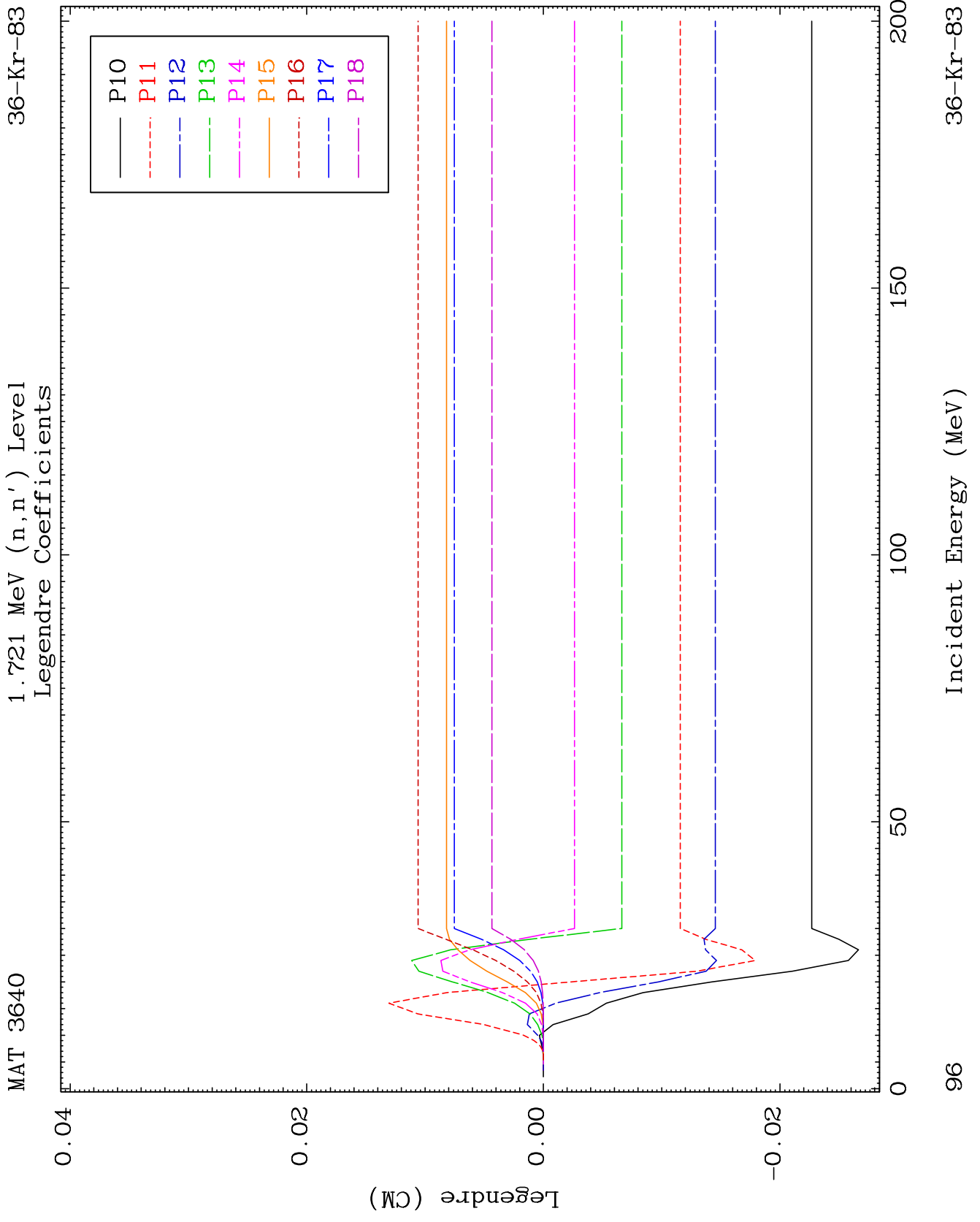








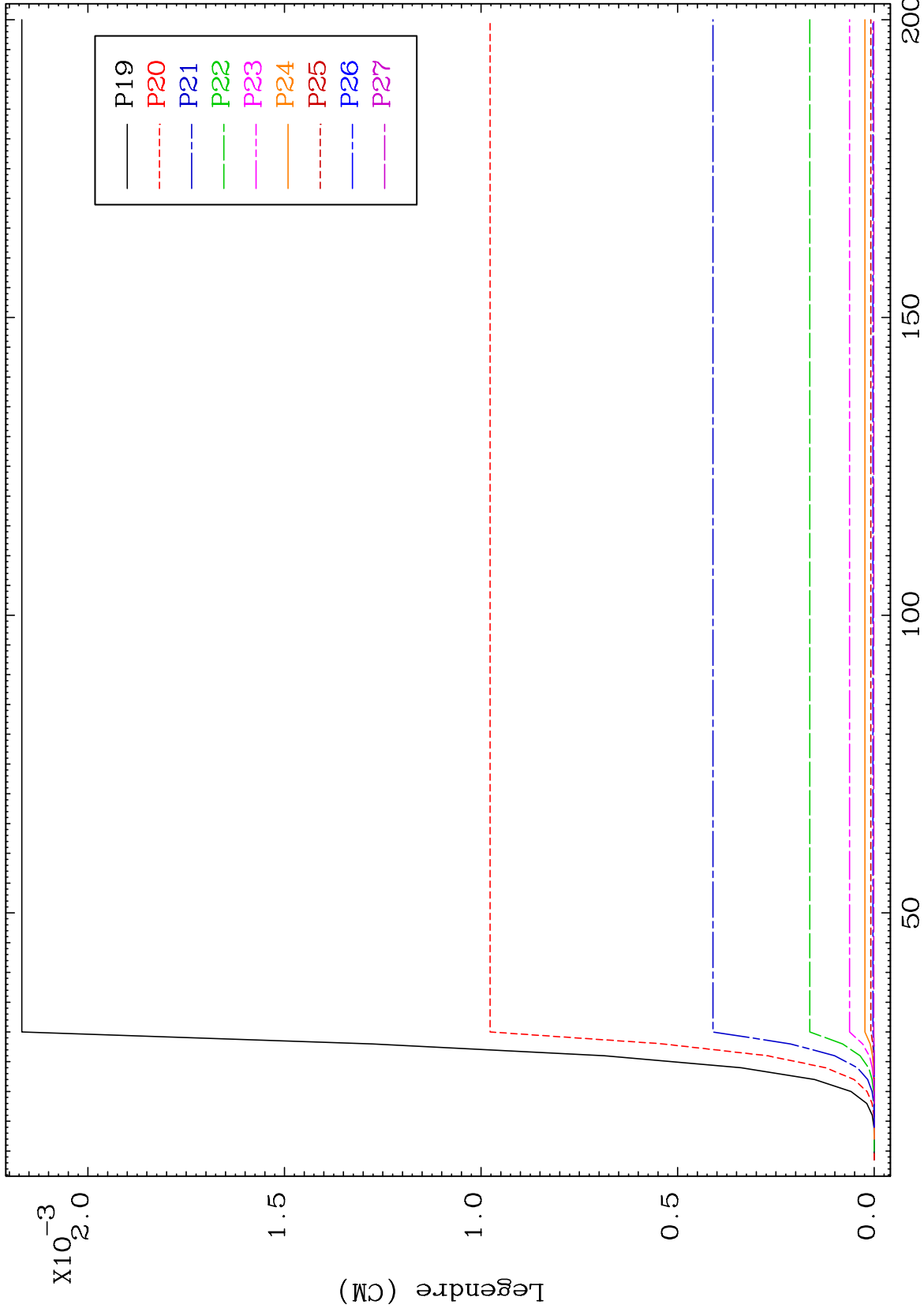




MAT 3640

1.721 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



97

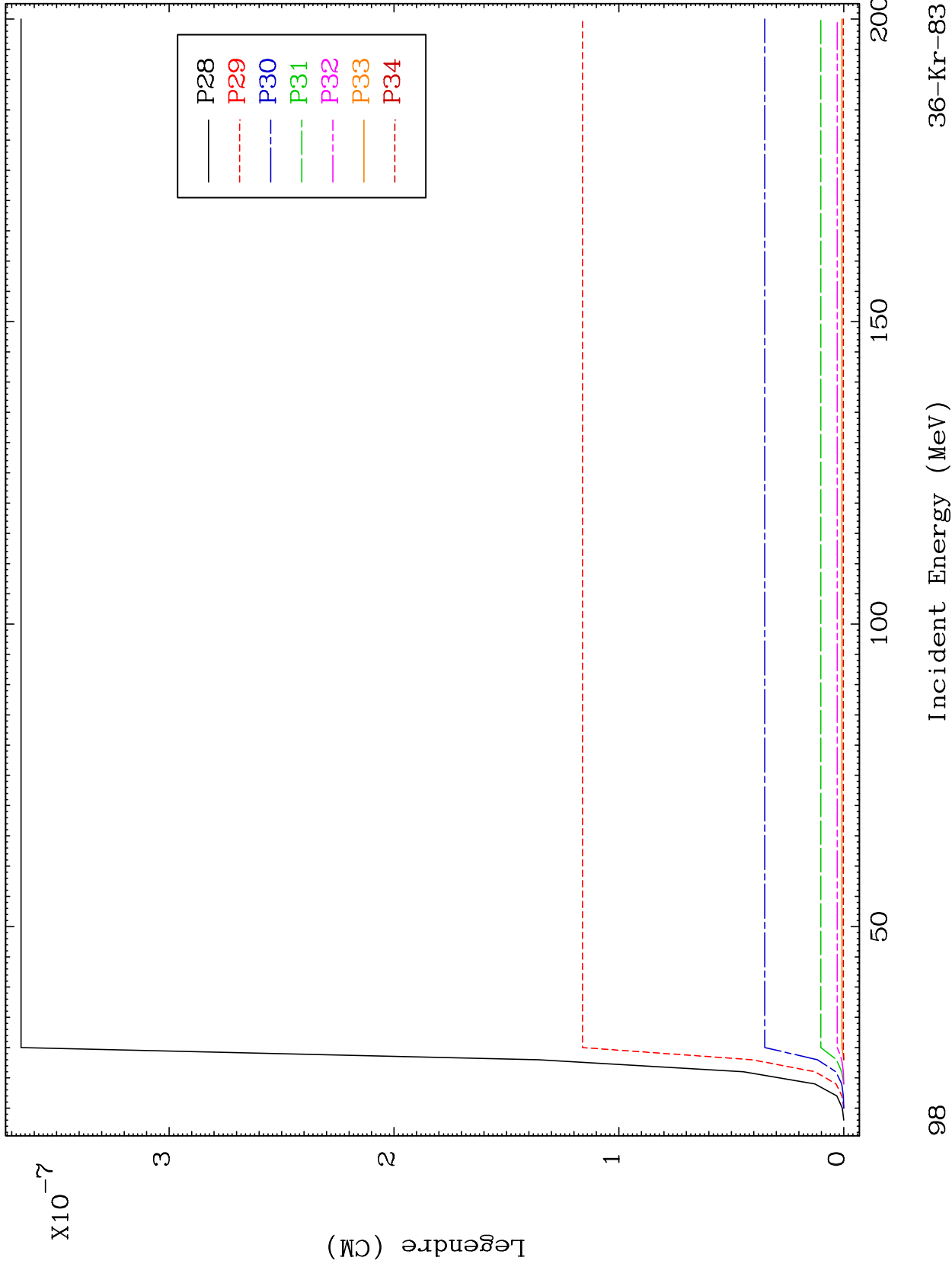
Incident Energy (MeV)

36-Kr-83

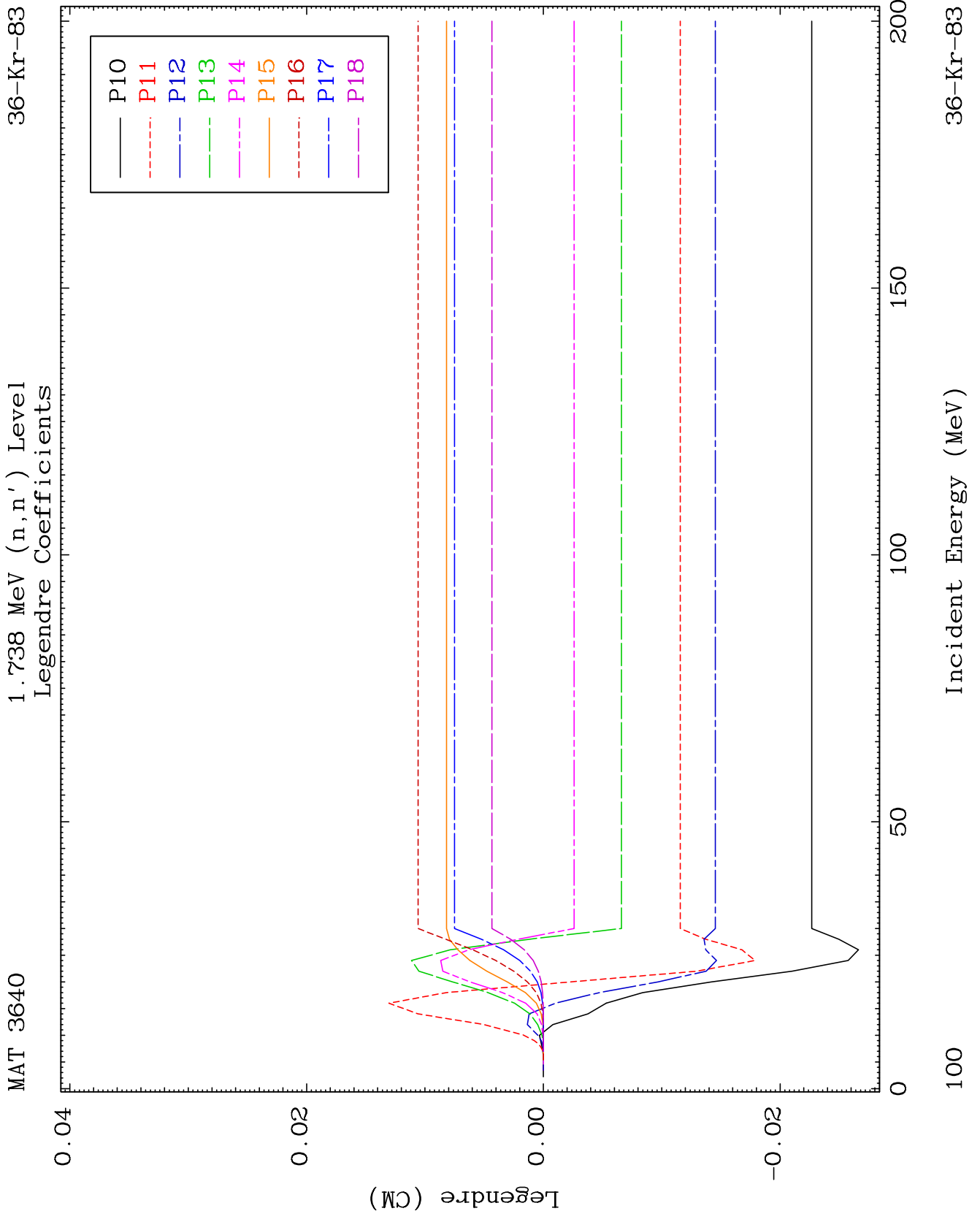
MAT 3640

1.721 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



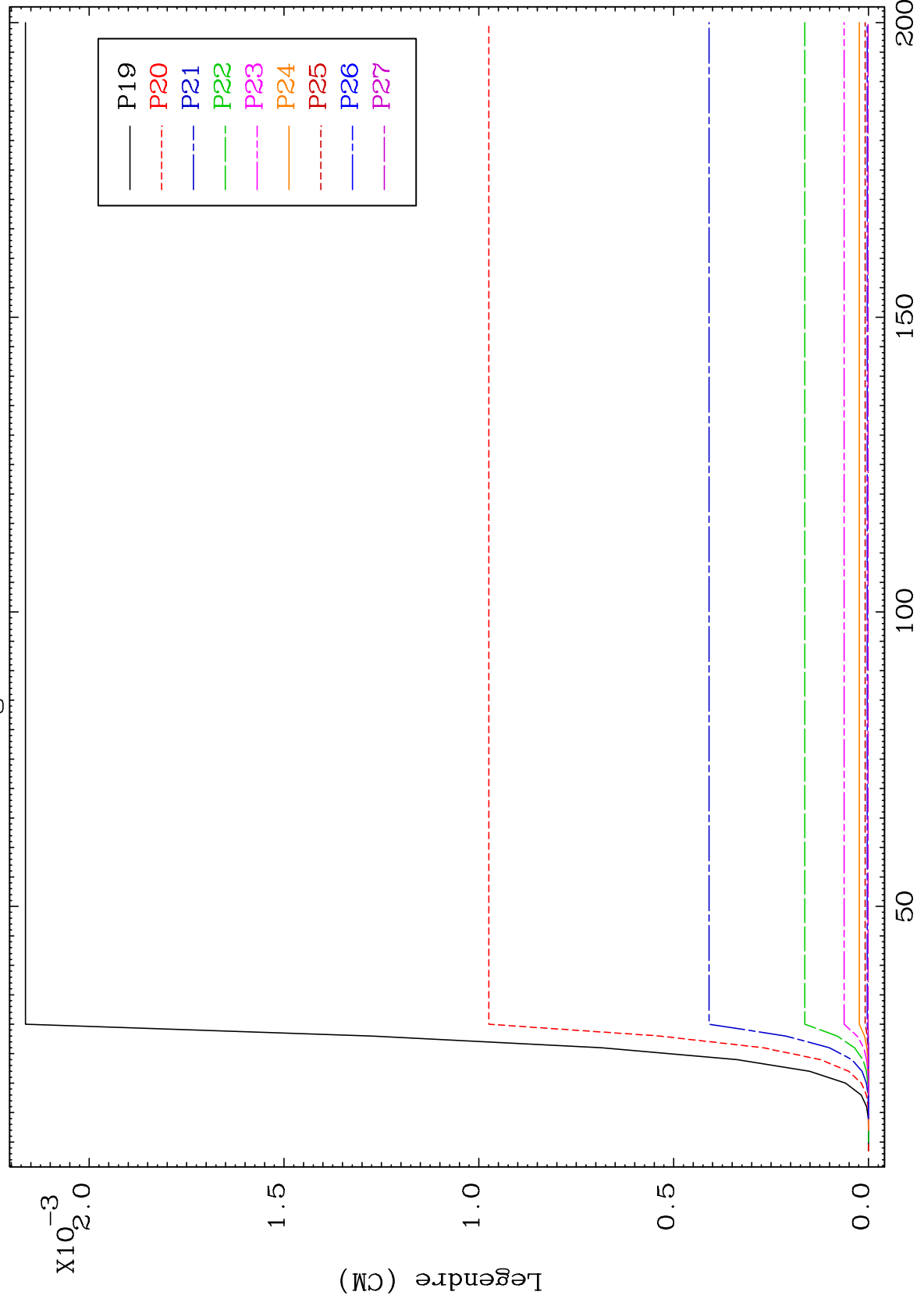




MAT 3640

1.738 MeV (n,n') Level  
Legendre Coefficients

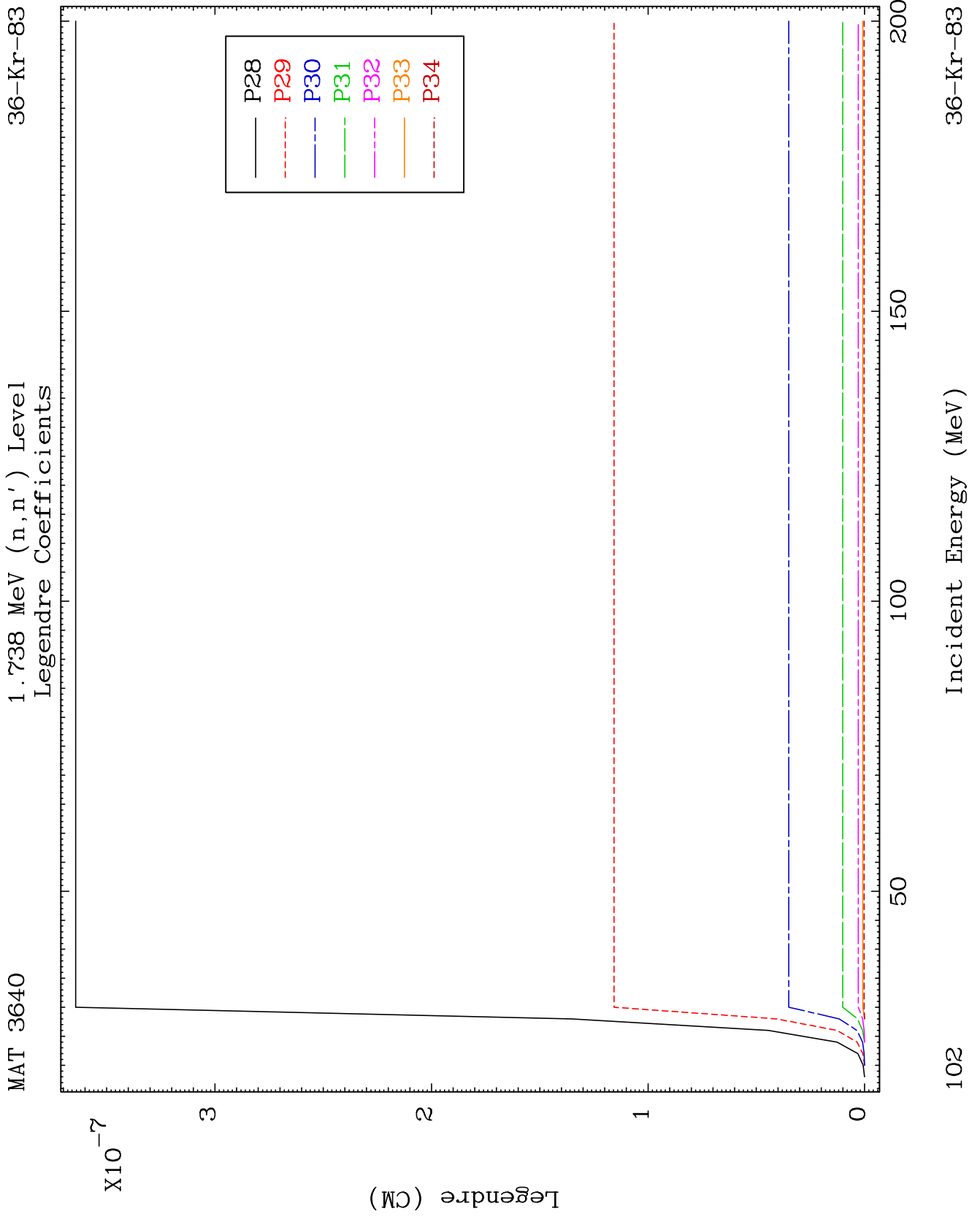
36-Kr-83



36-Kr-83

Incident Energy (MeV)

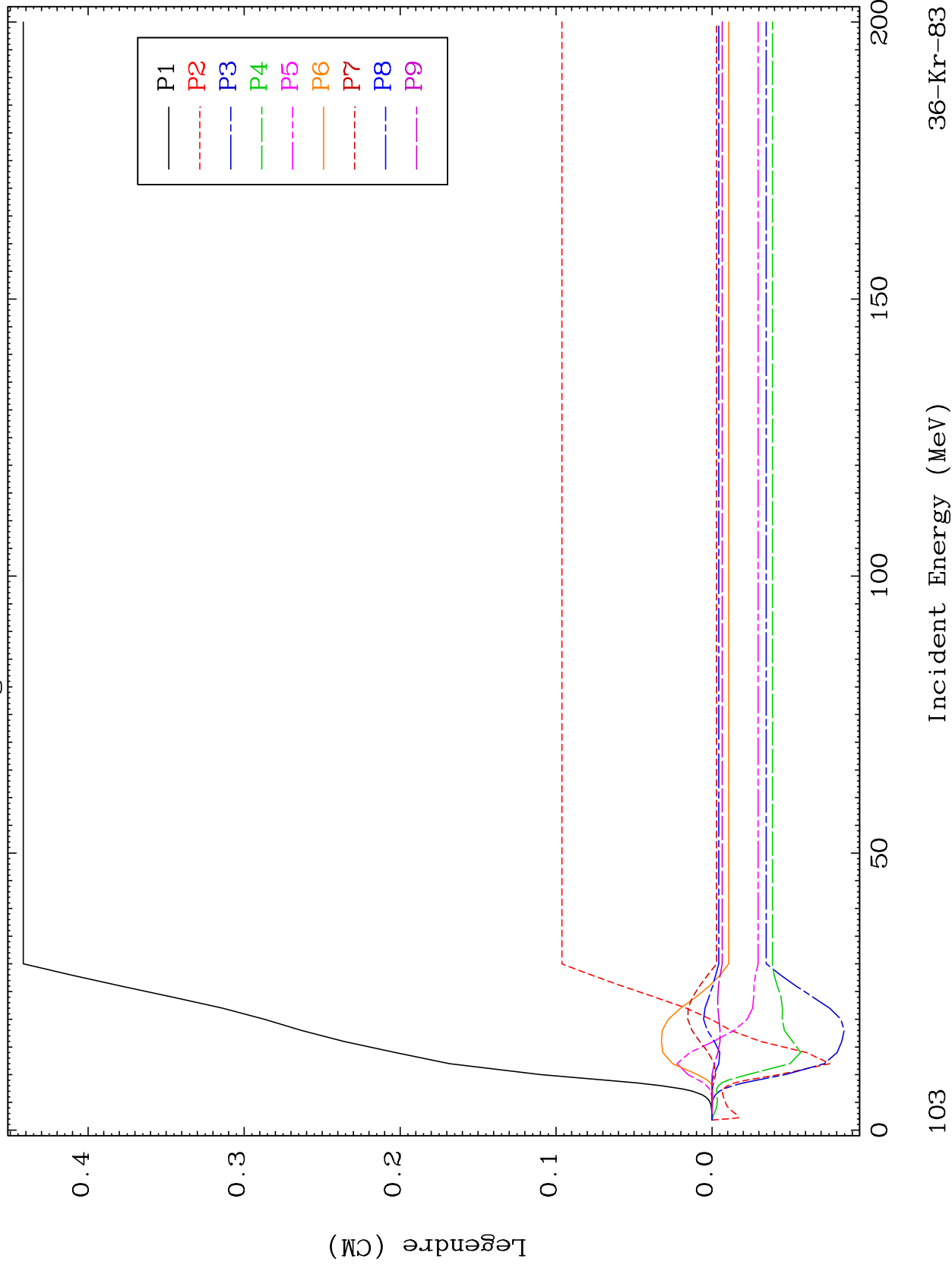
101



MAT 3640

1.781 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83

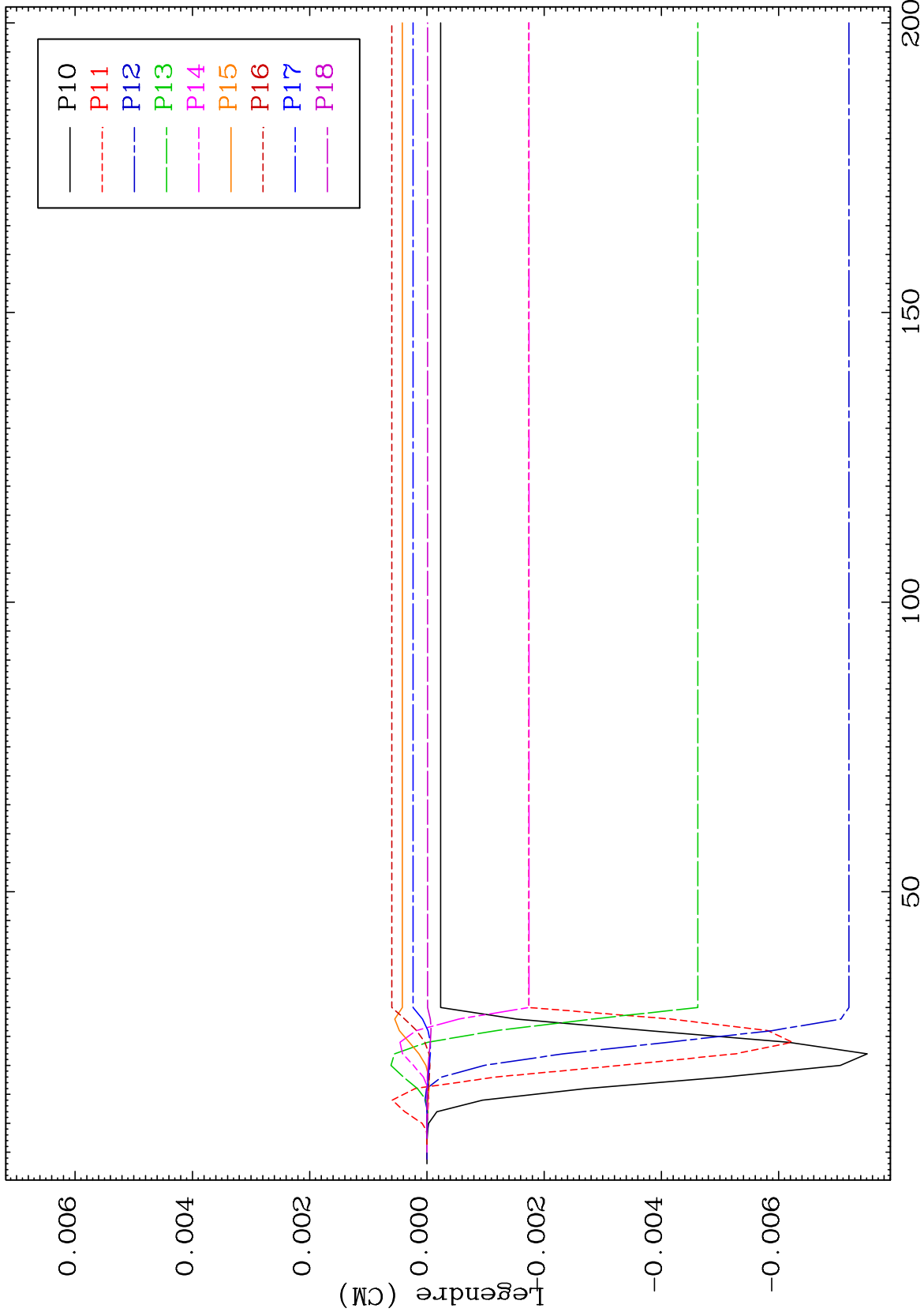


36-Kr-83

Incident Energy (MeV)

103

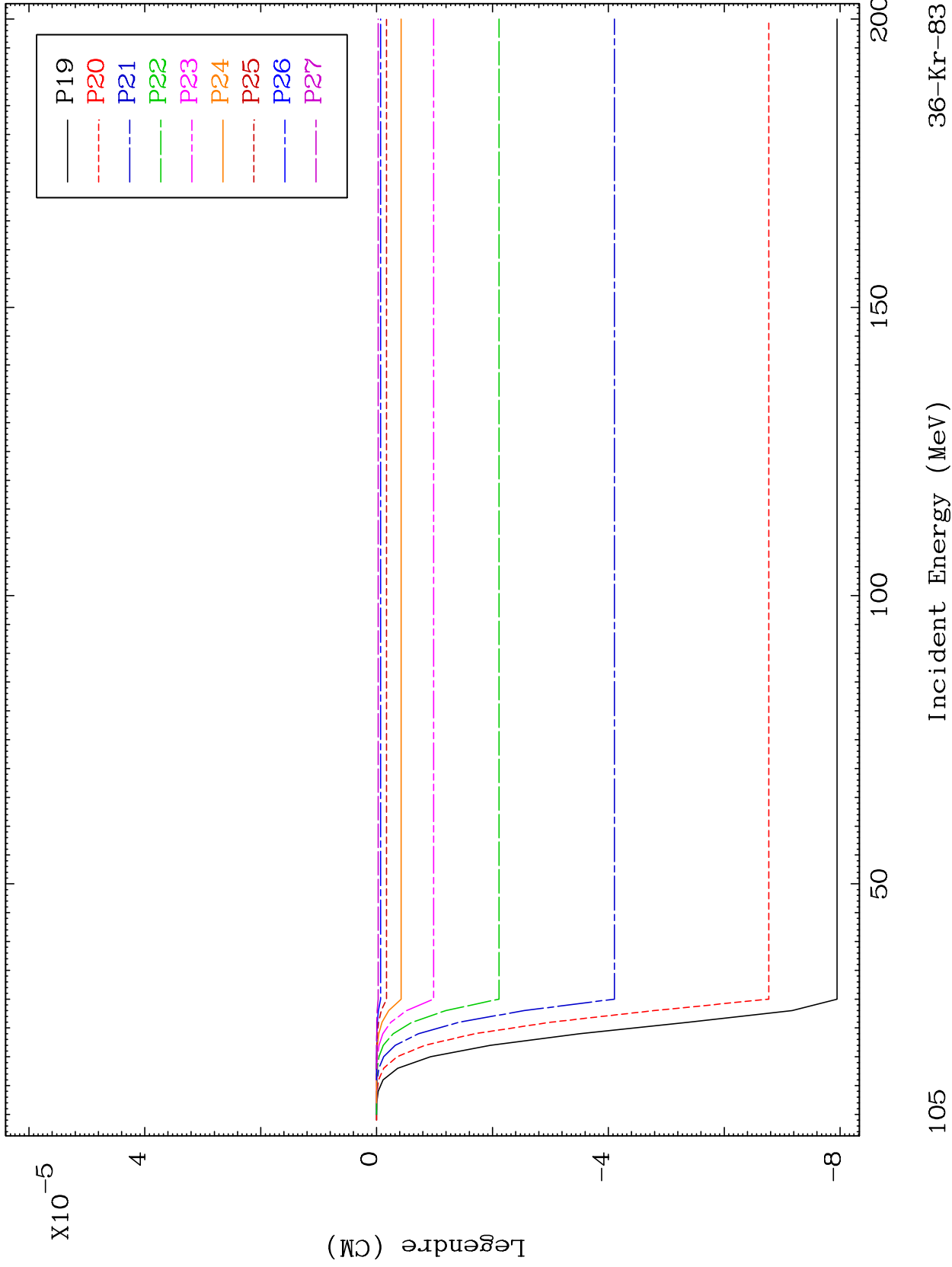




MAT 3640

1.781 MeV (n,n') Level  
Legendre Coefficients

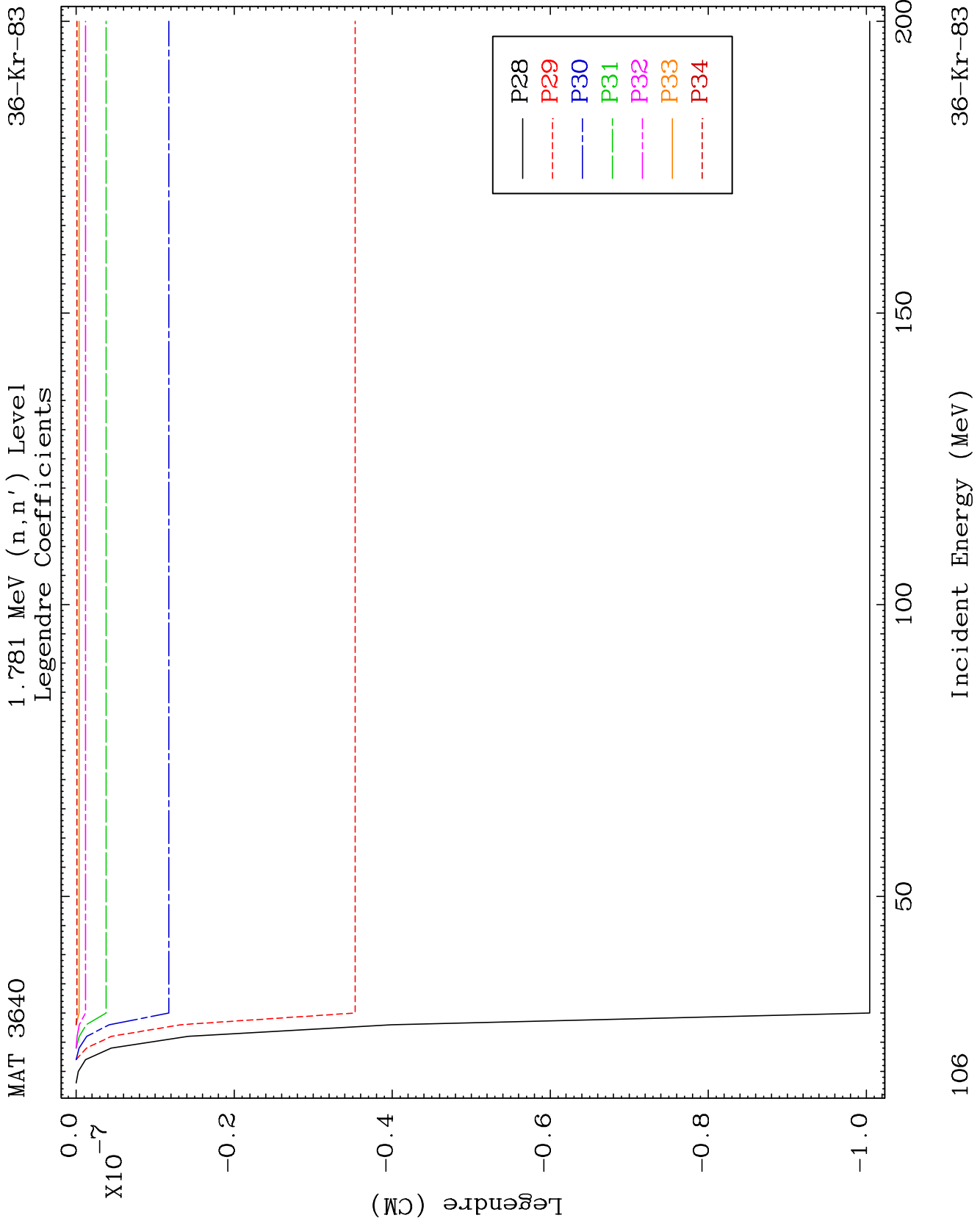
36-Kr-83

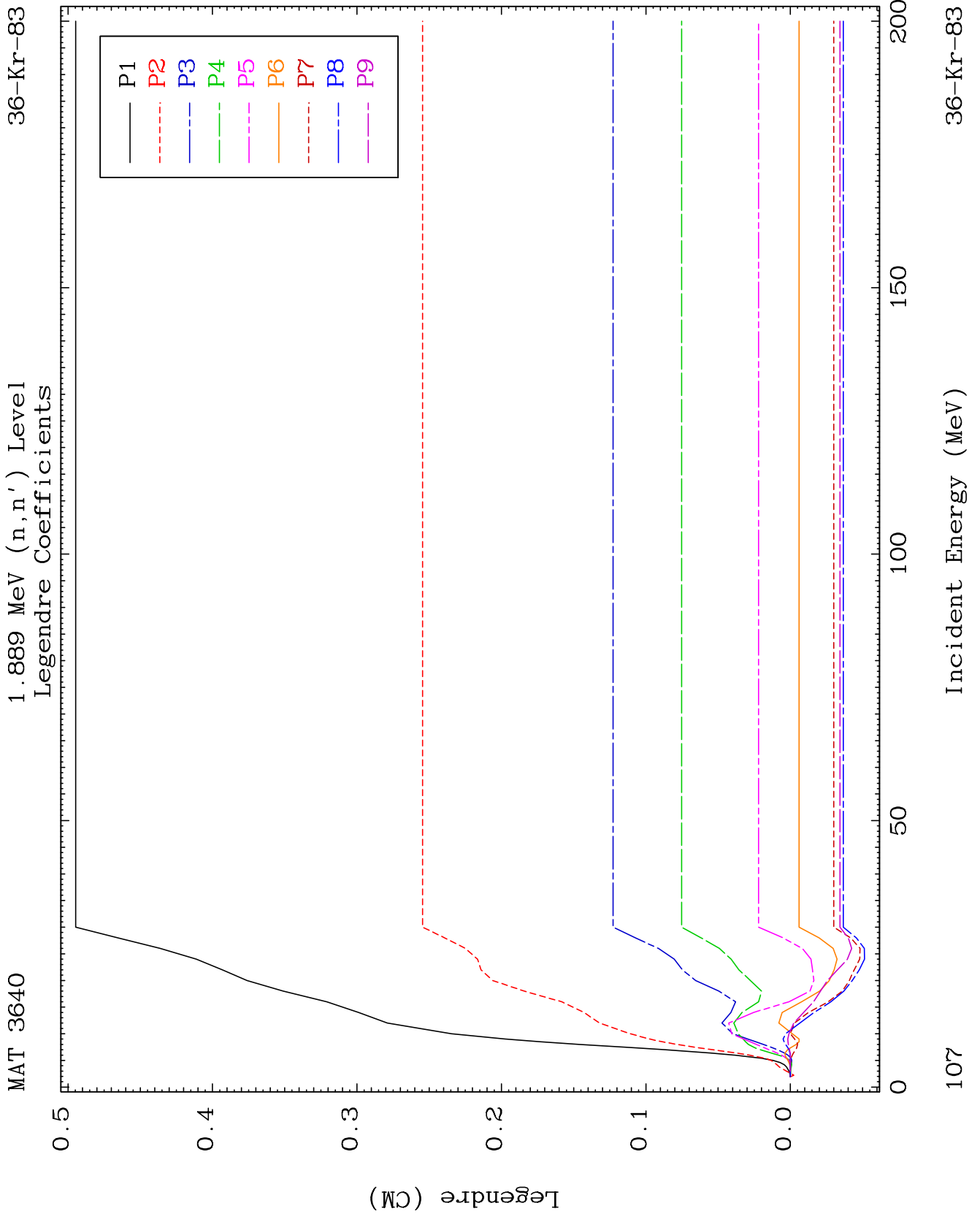


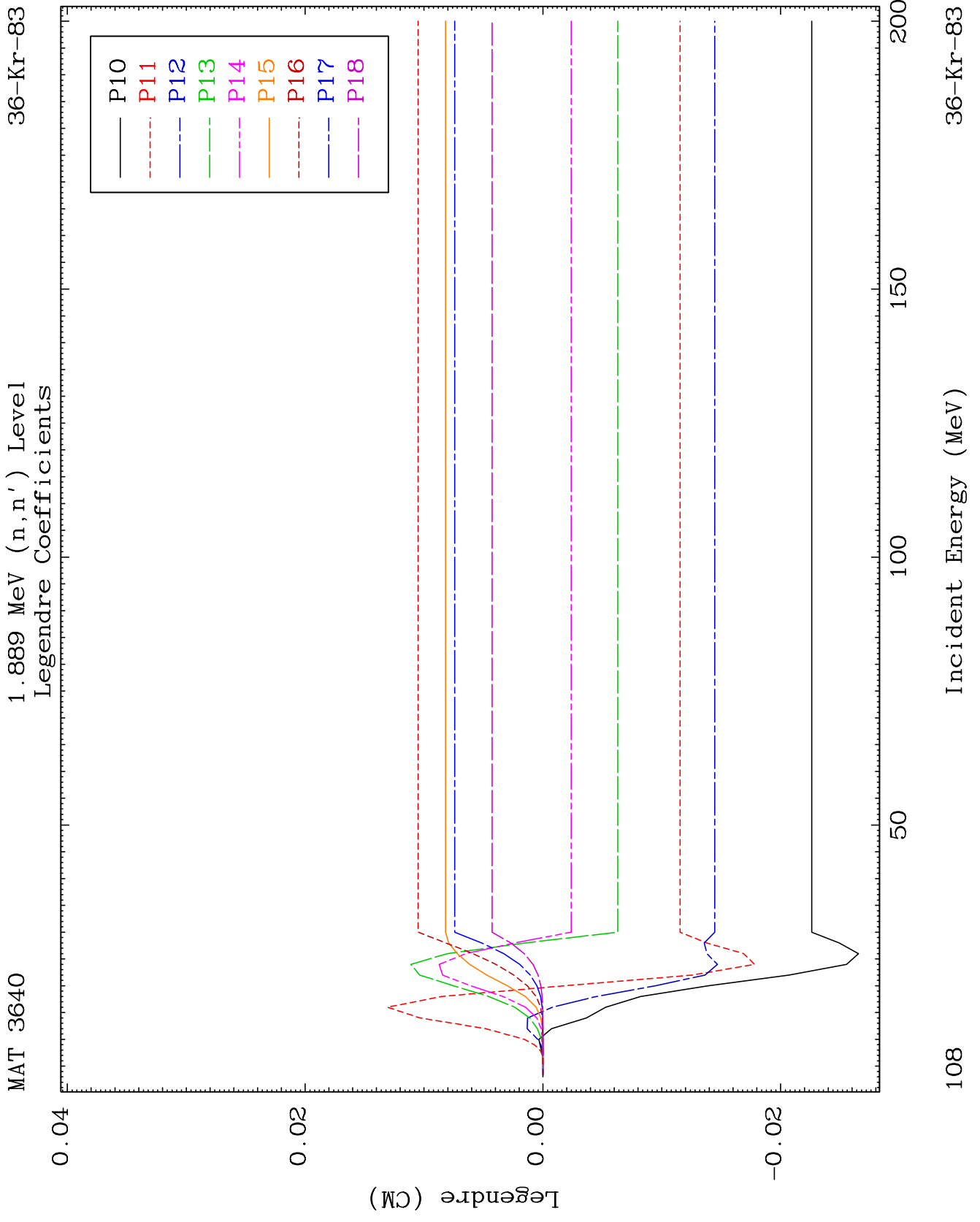
105

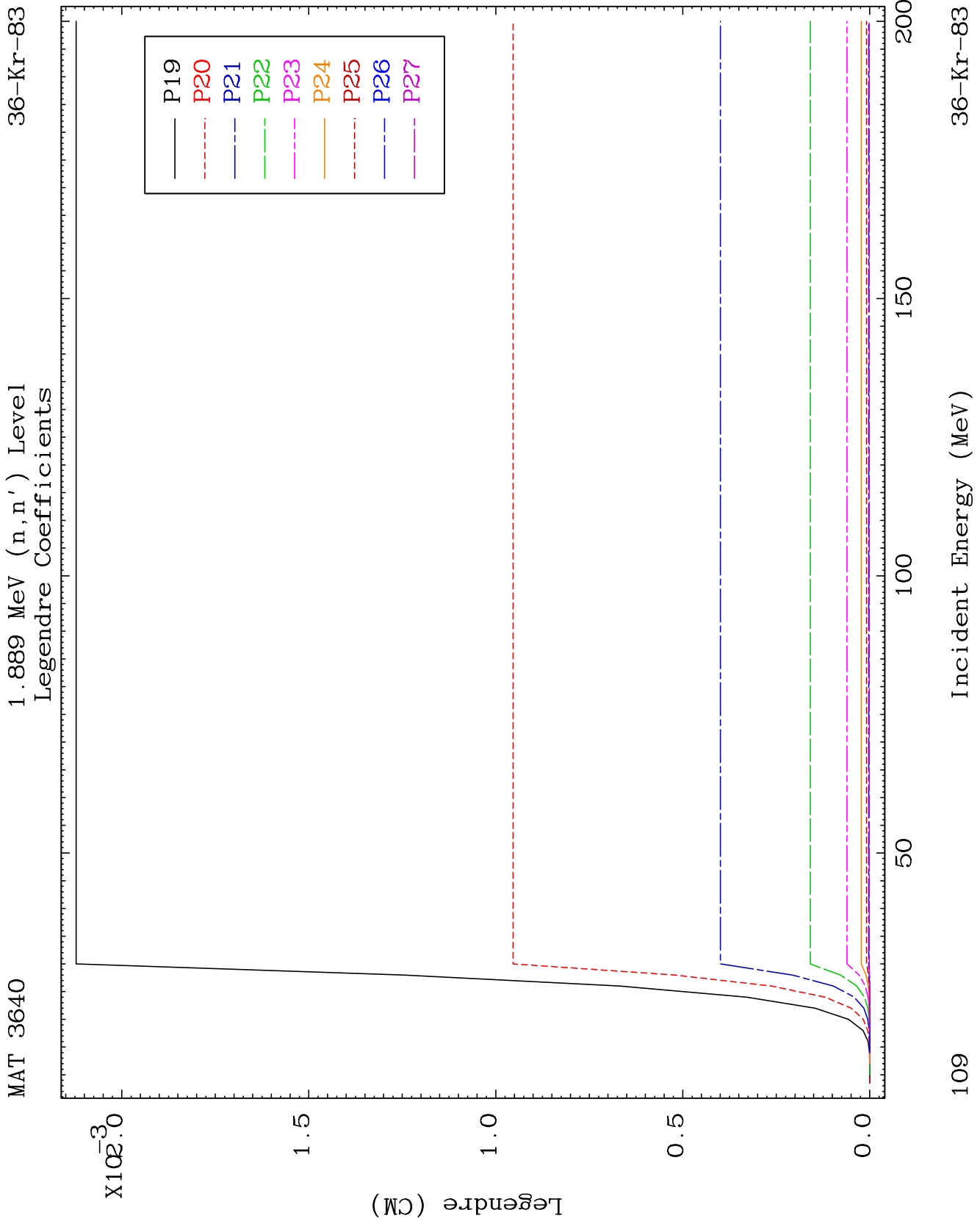
Incident Energy (MeV)

36-Kr-83





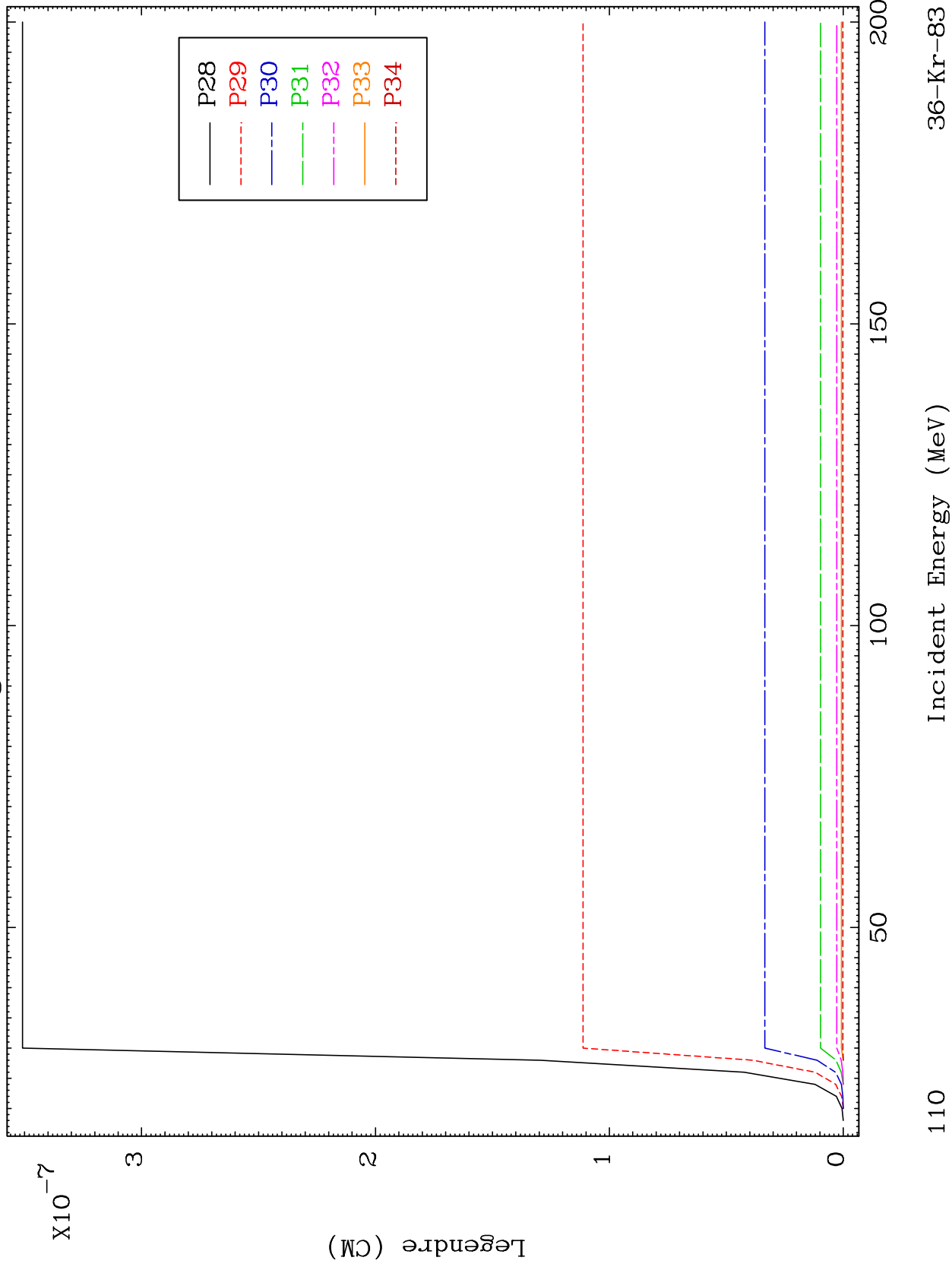




MAT 3640

1.889 MeV (n,n') Level  
Legendre Coefficients

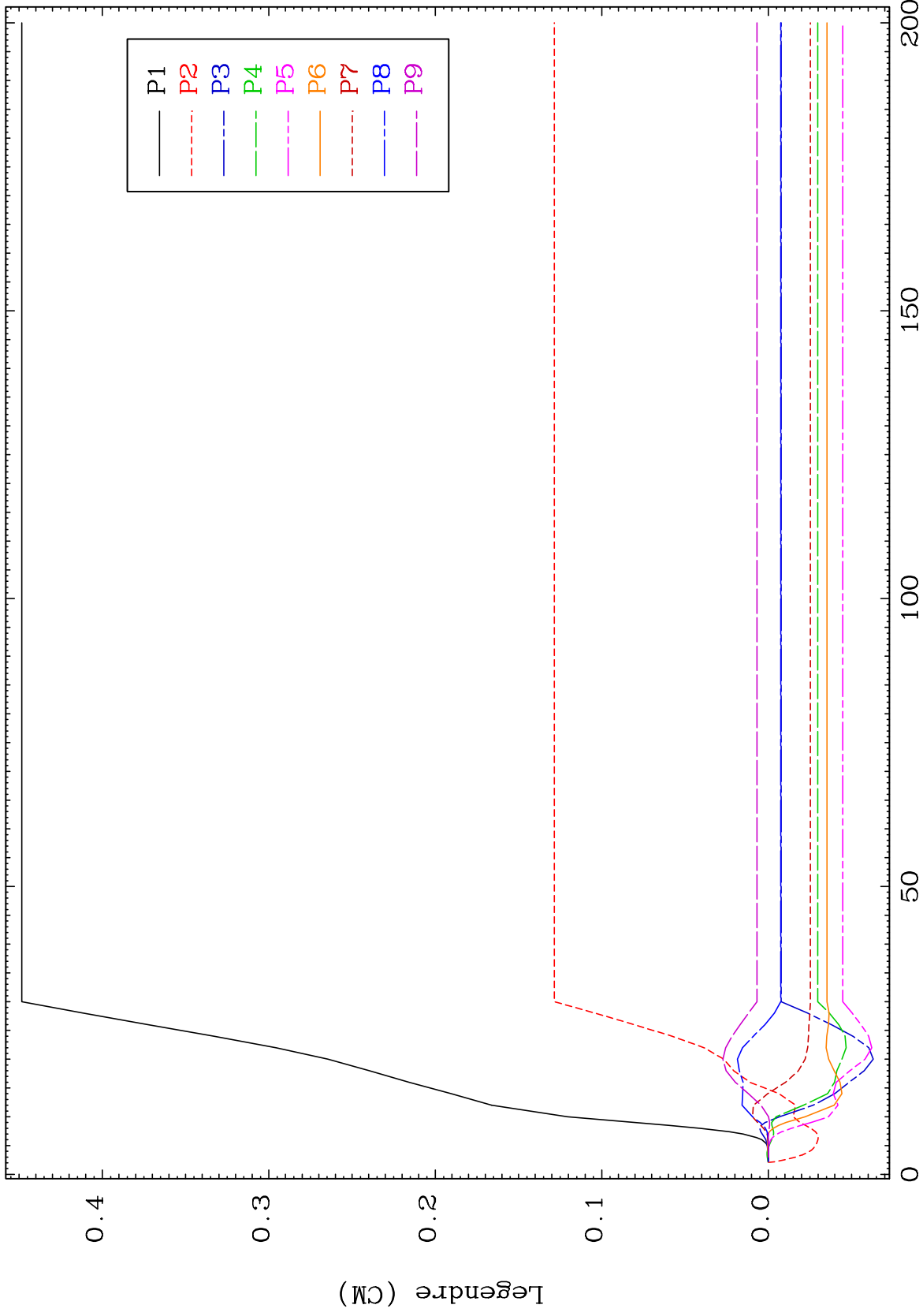
36-Kr-83



MAT 3640

2.035 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83

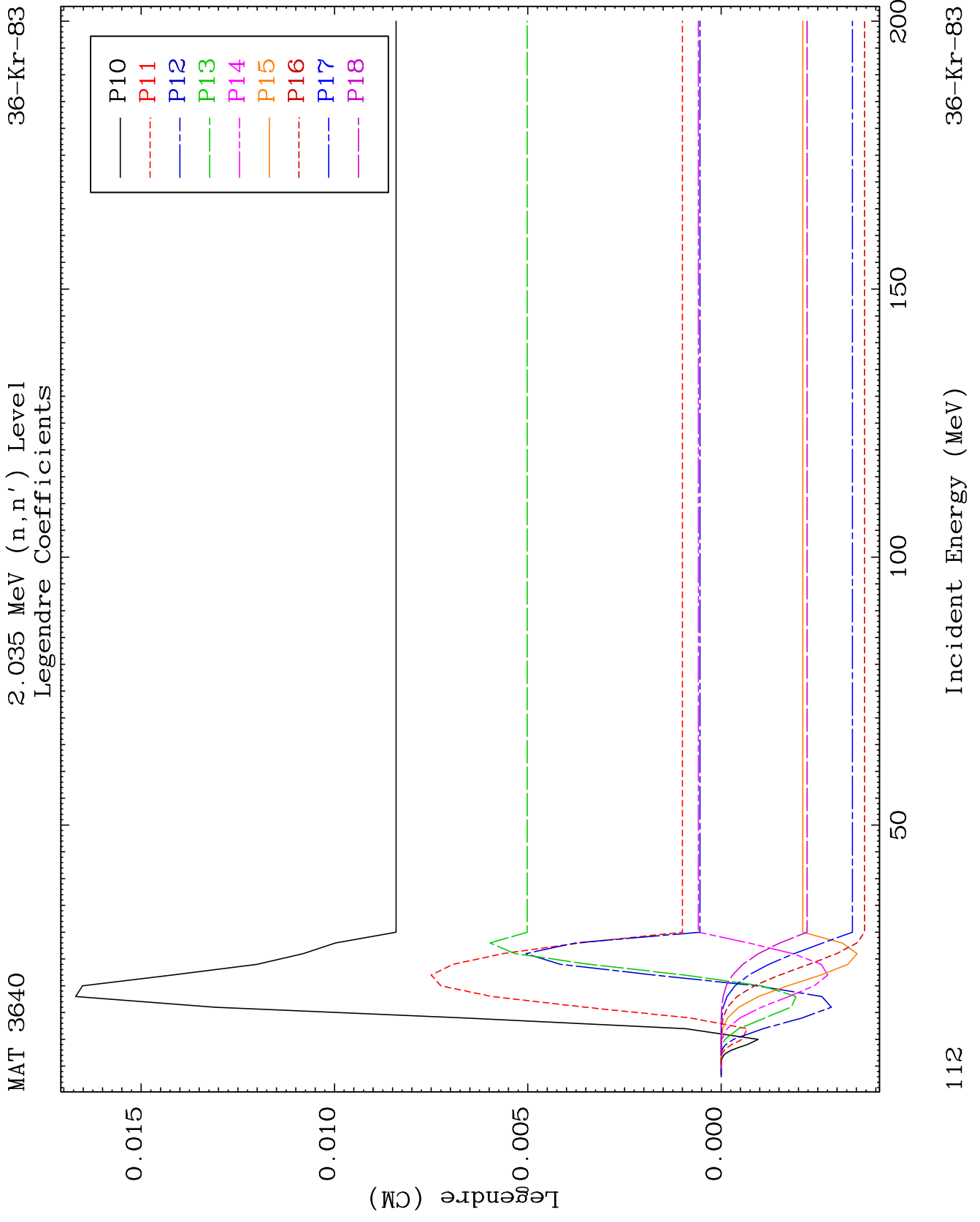


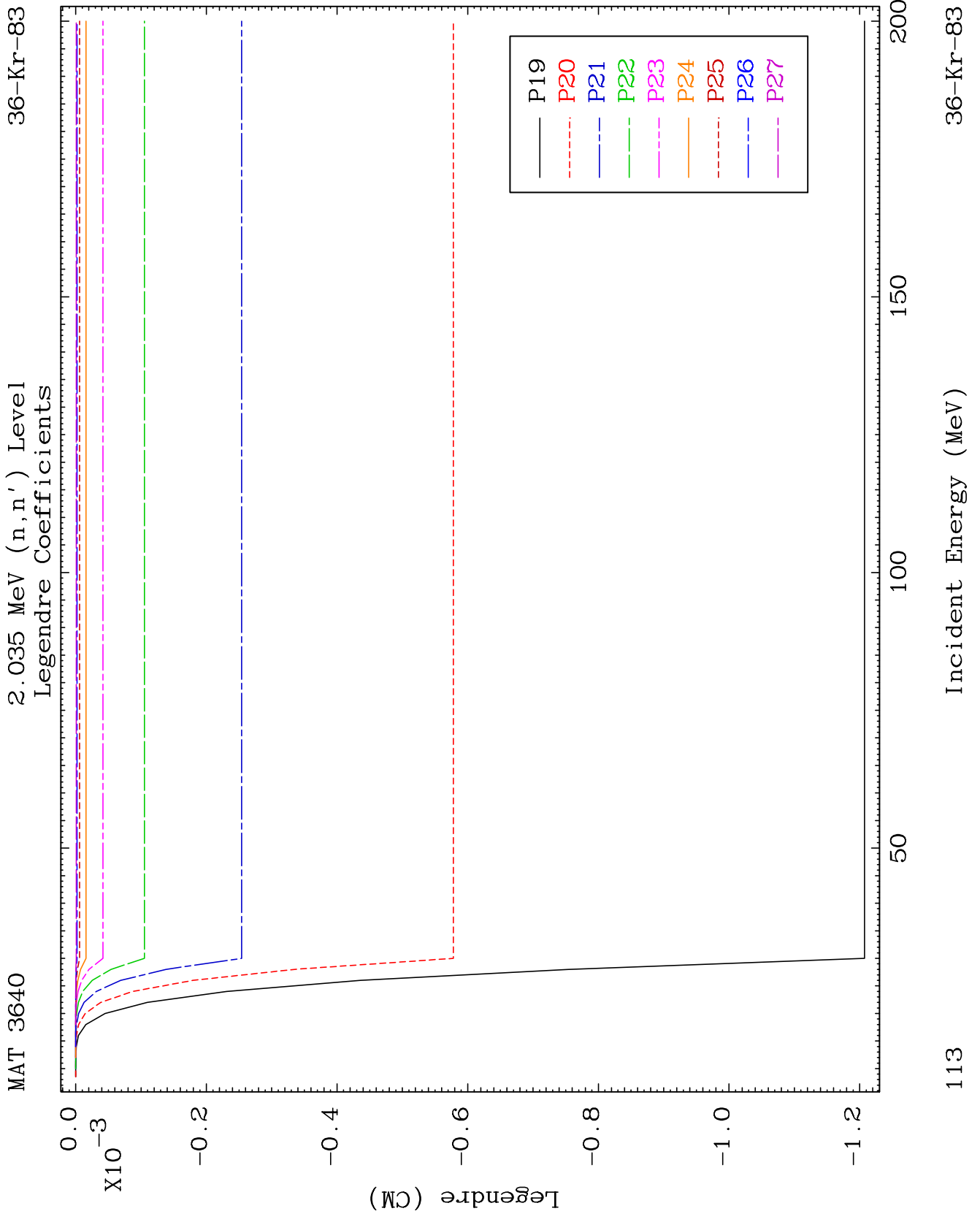
111

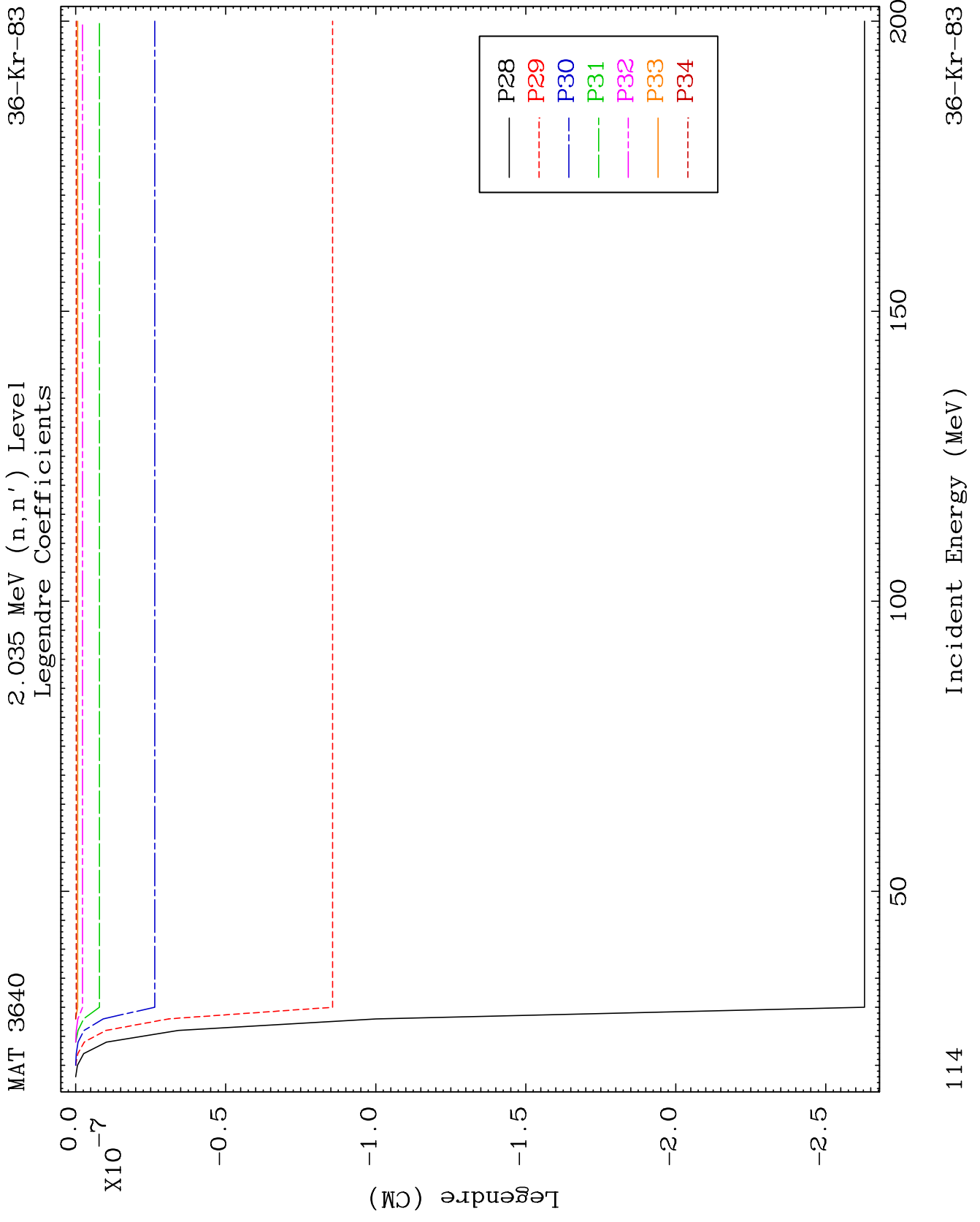
Incident Energy (MeV)

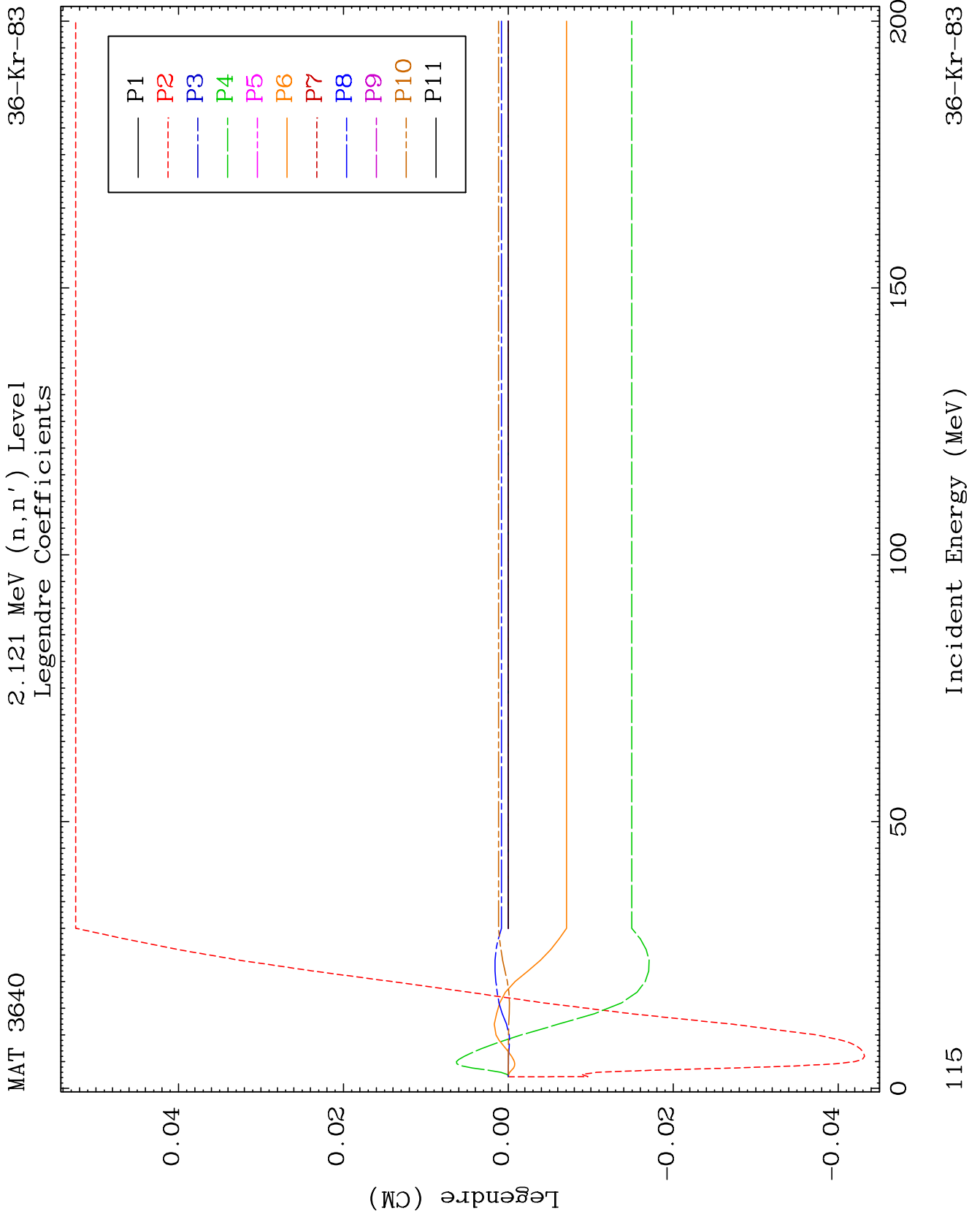
36-Kr-83

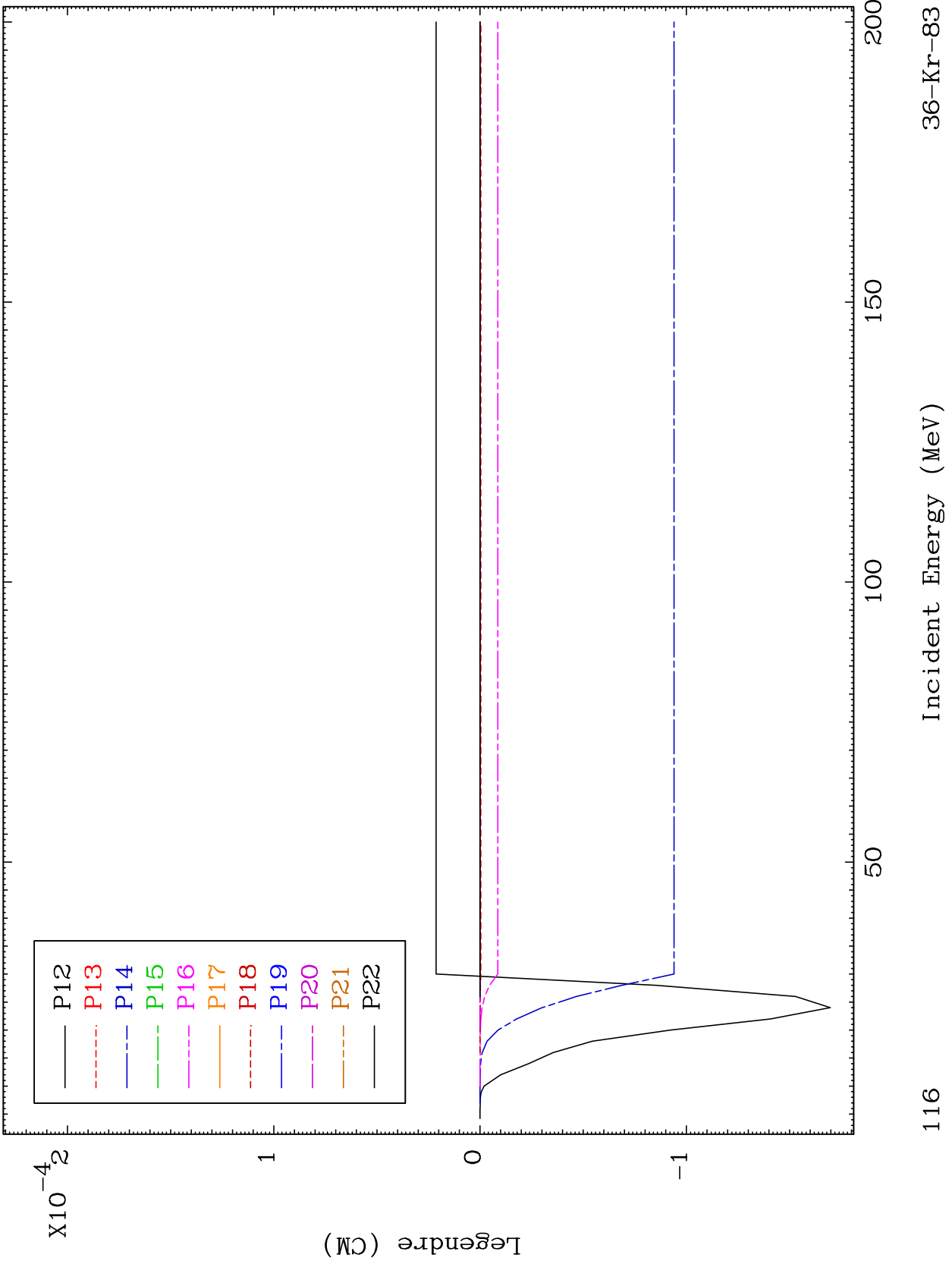


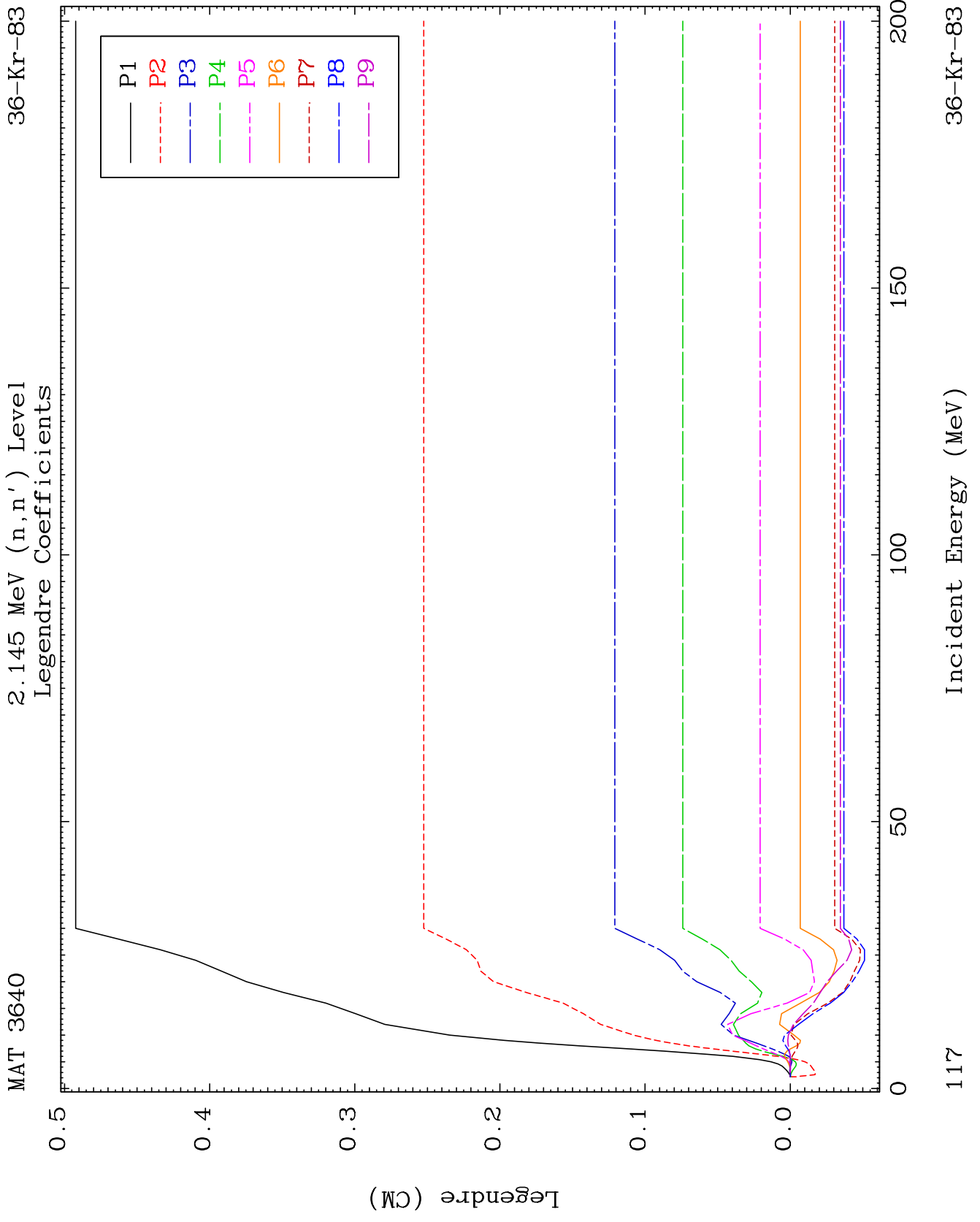


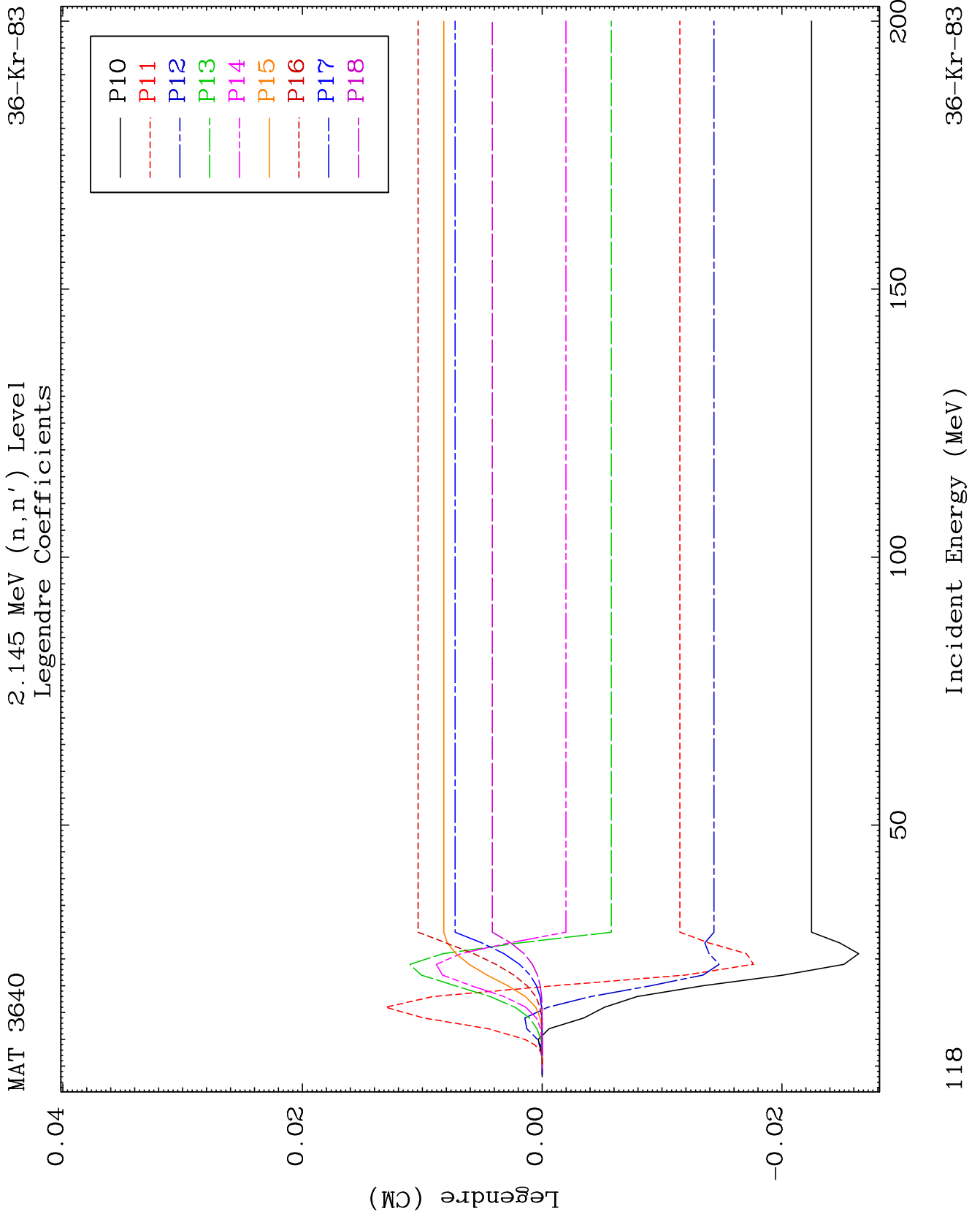


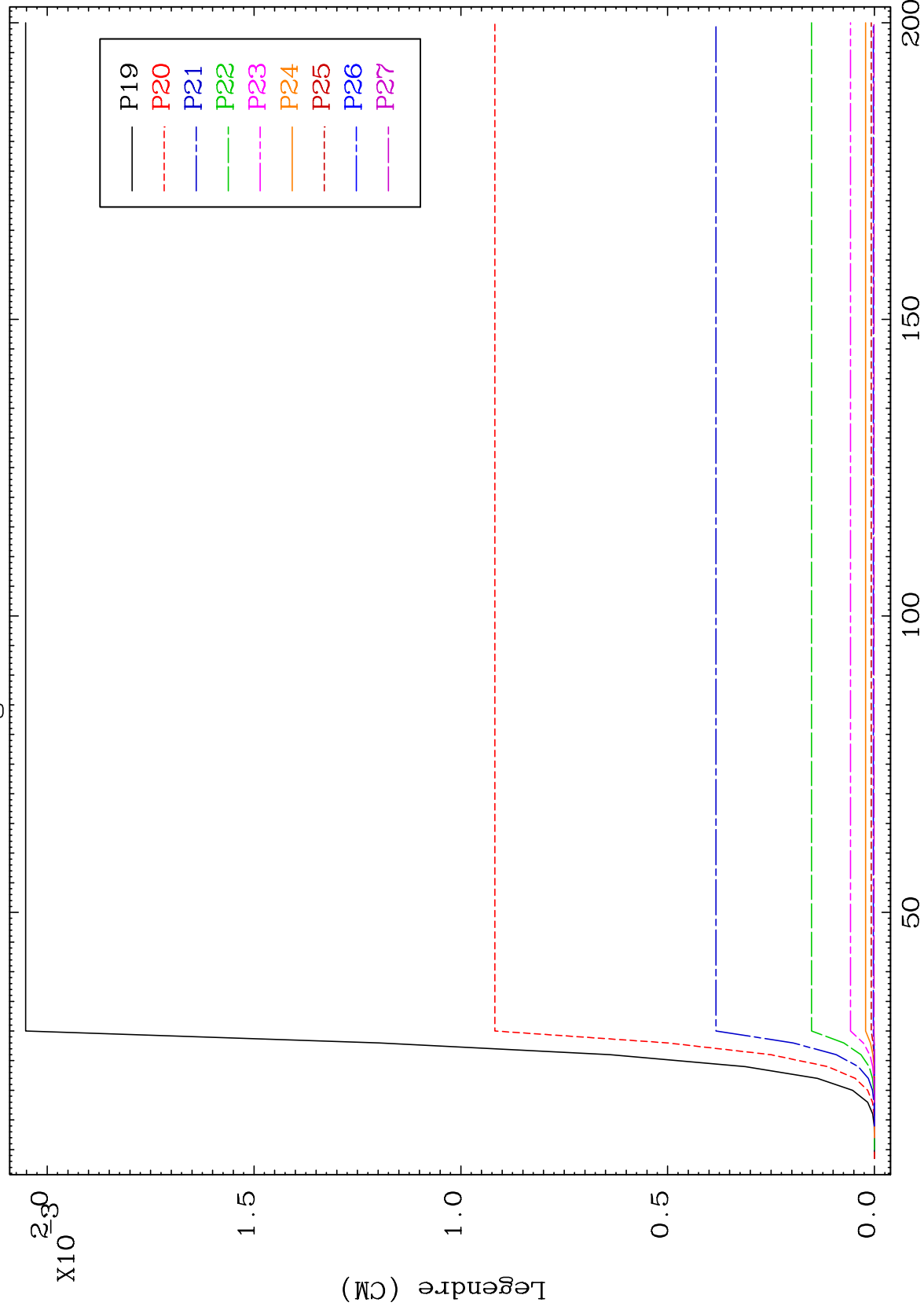




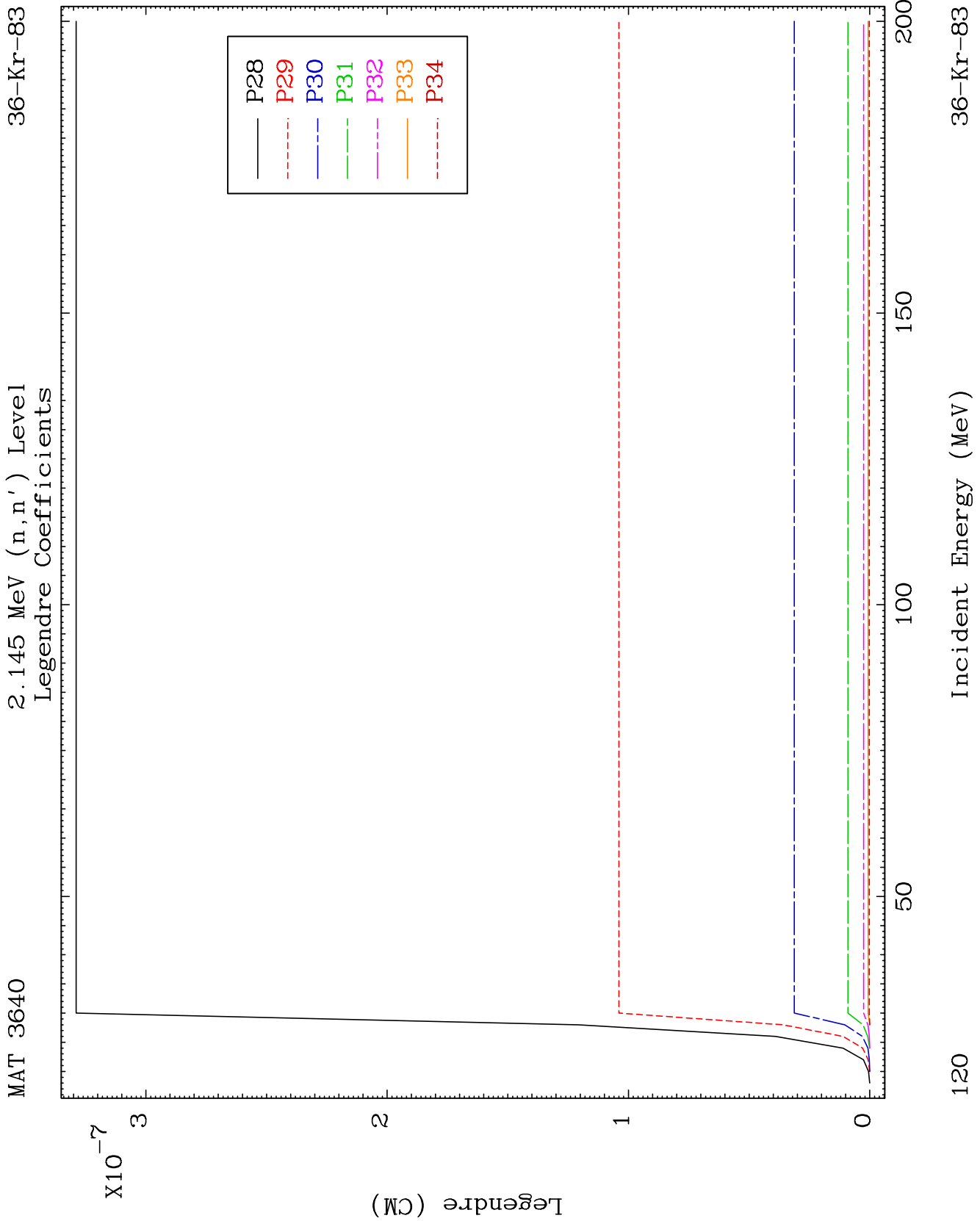


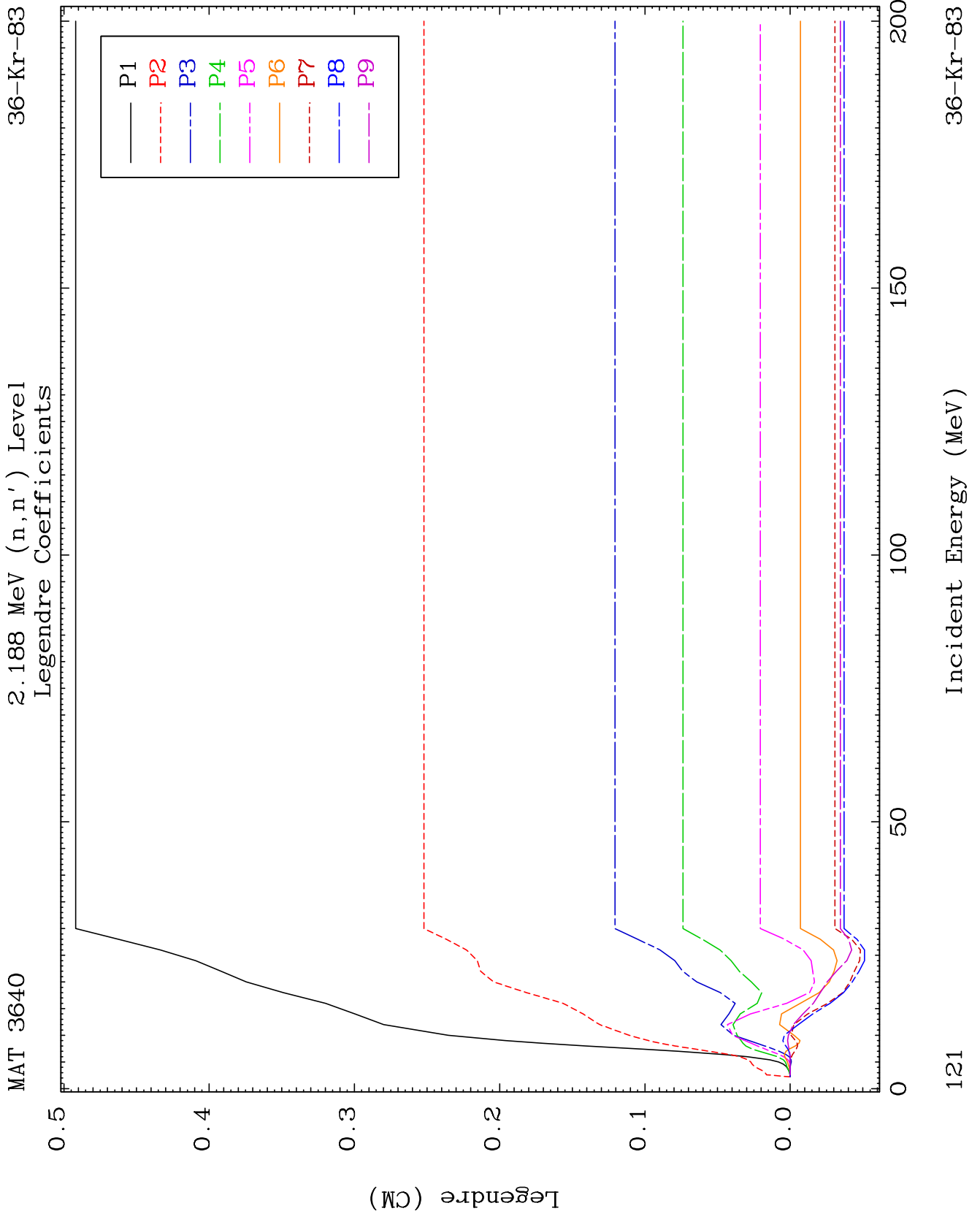


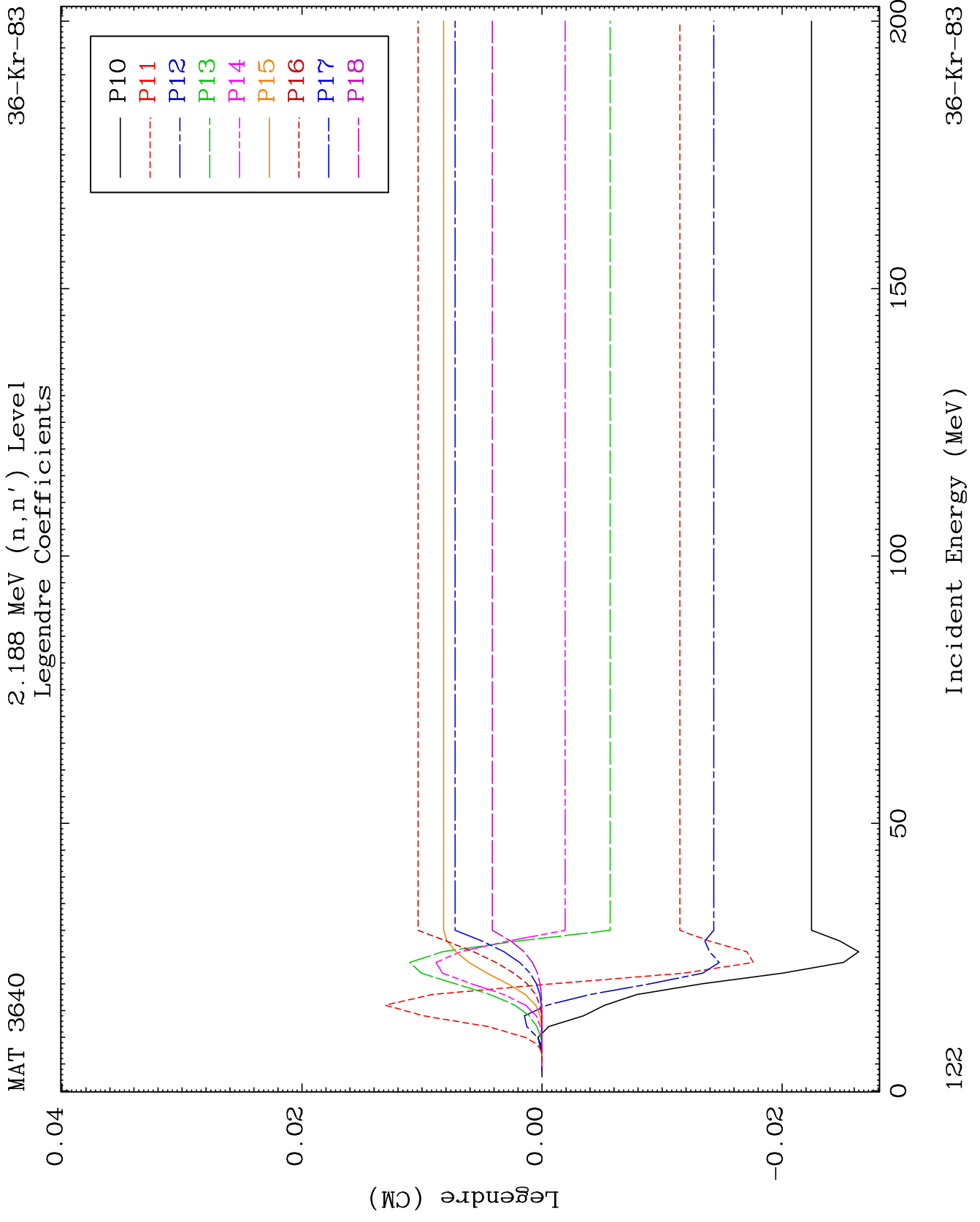


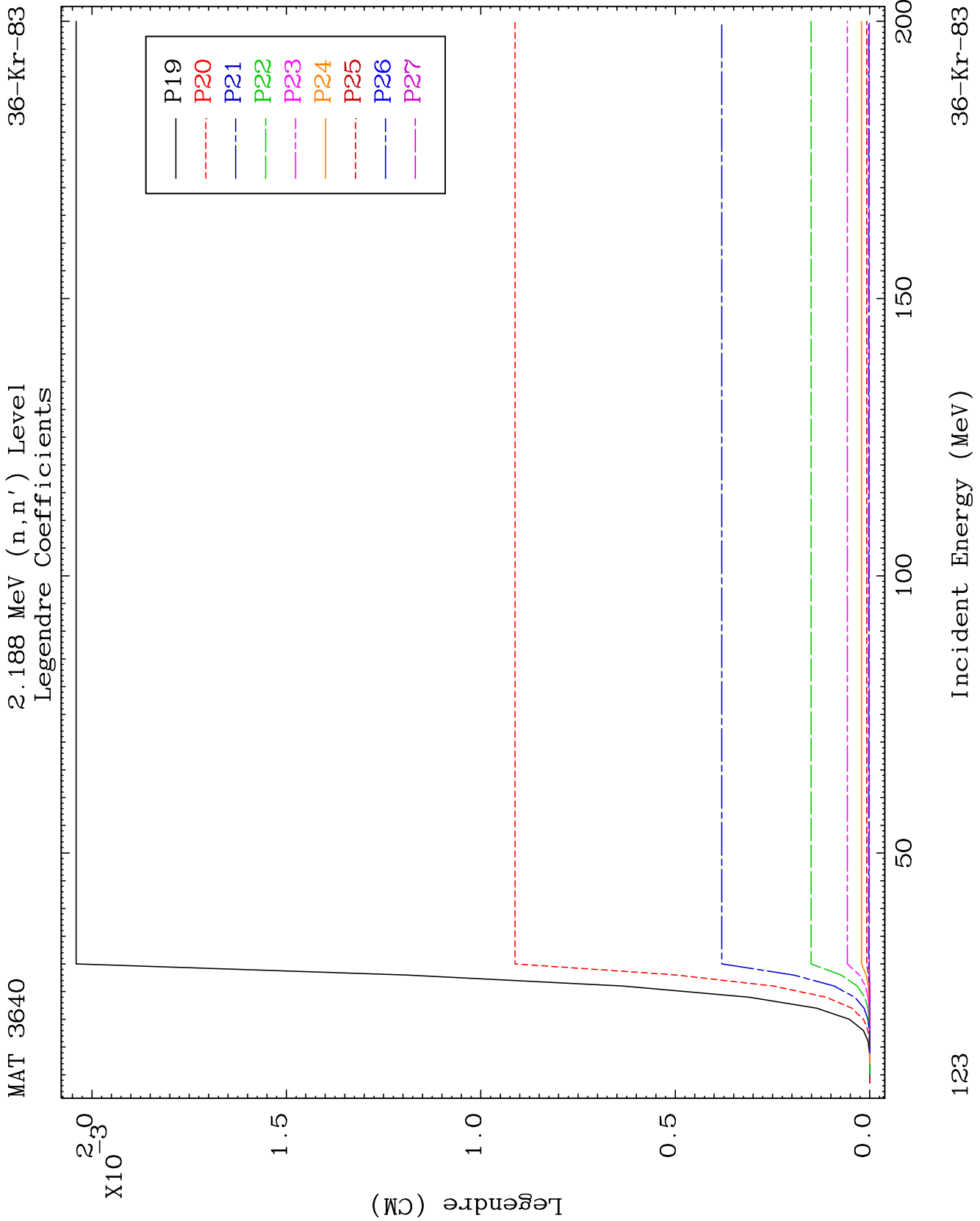








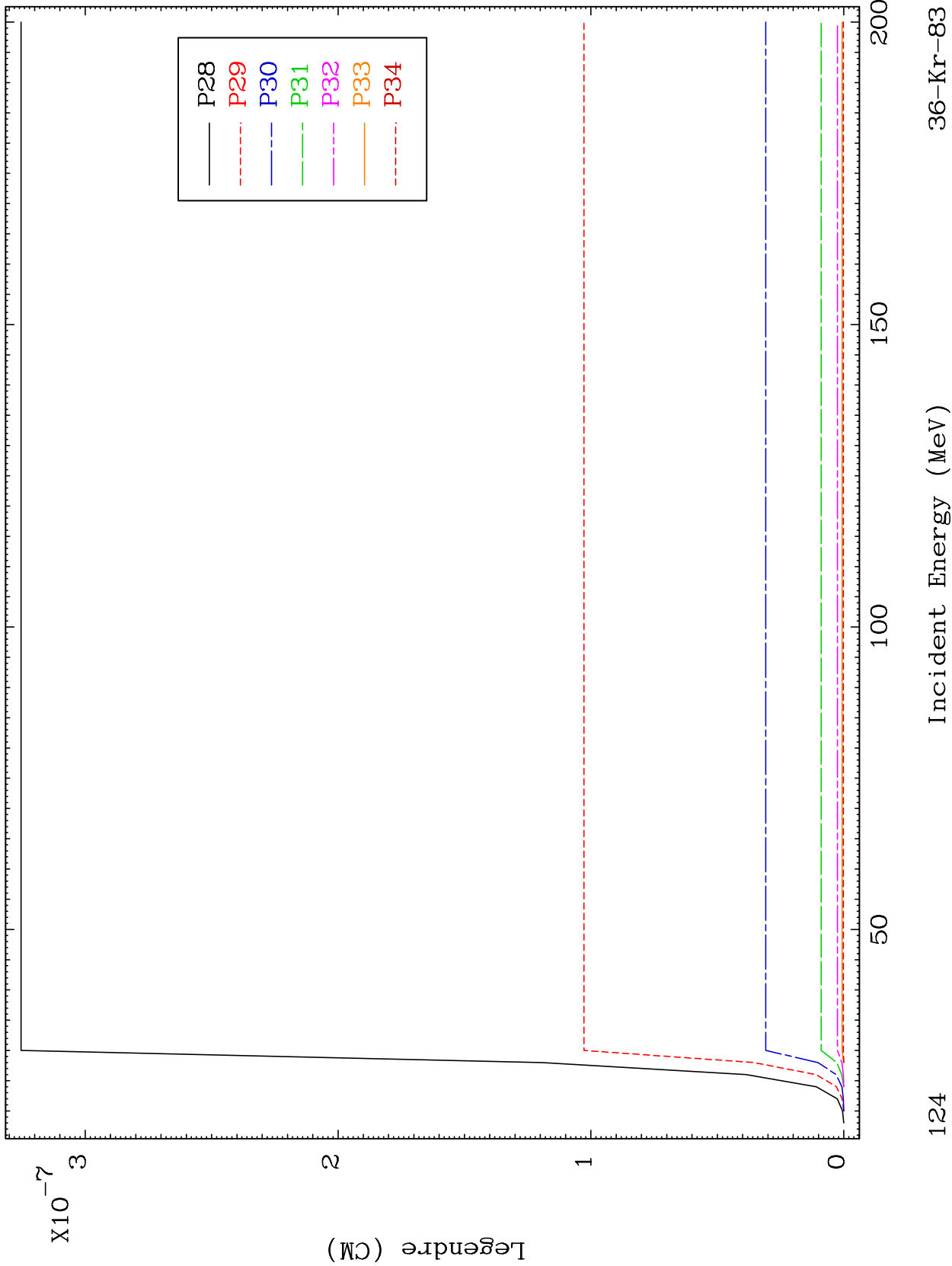




MAT 3640

2.188 MeV (n,n') Level  
Legendre Coefficients

36-Kr-83



124

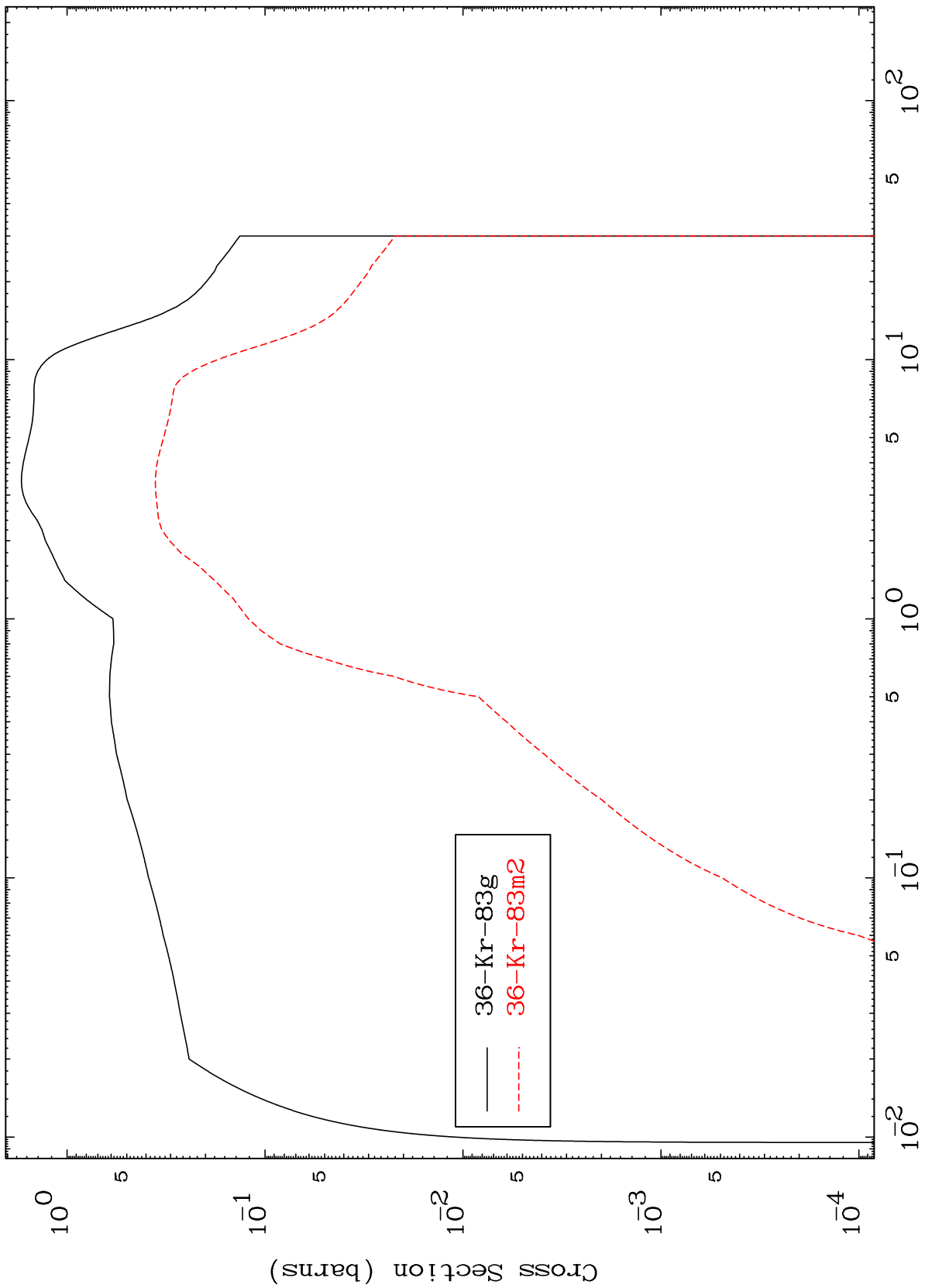
Incident Energy (MeV)

36-Kr-83

MAT 3640

36-Kr-83

Inelastic  
Radionuclide Production Cross Section

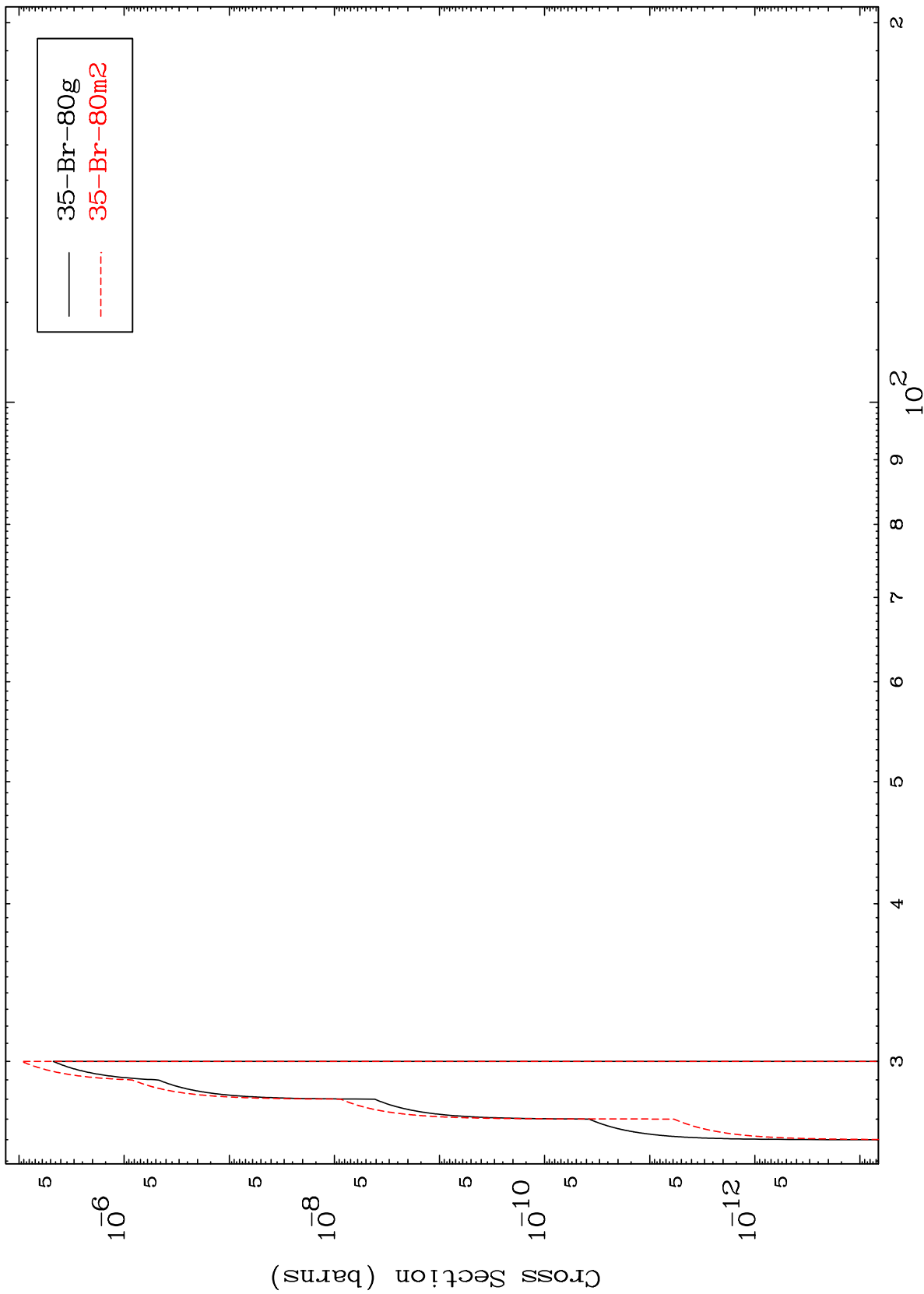


36-Kr-83

Incident Energy (MeV)

125

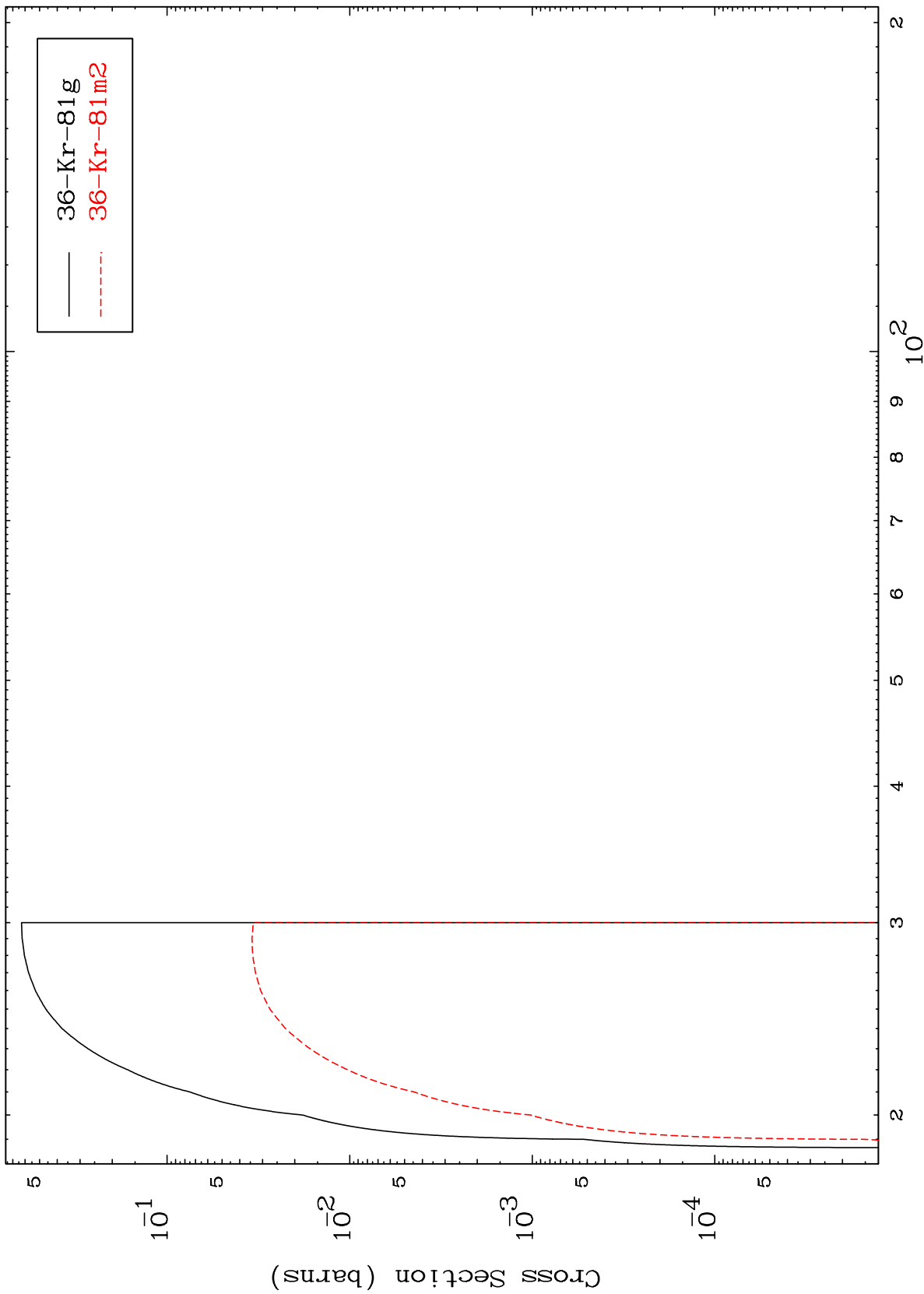
Radionuclide Production Cross Section



MAT 3640

36-Kr-83

(n,3n)  
Radionuclide Production Cross Section



36-Kr-83

Incident Energy (MeV)

127

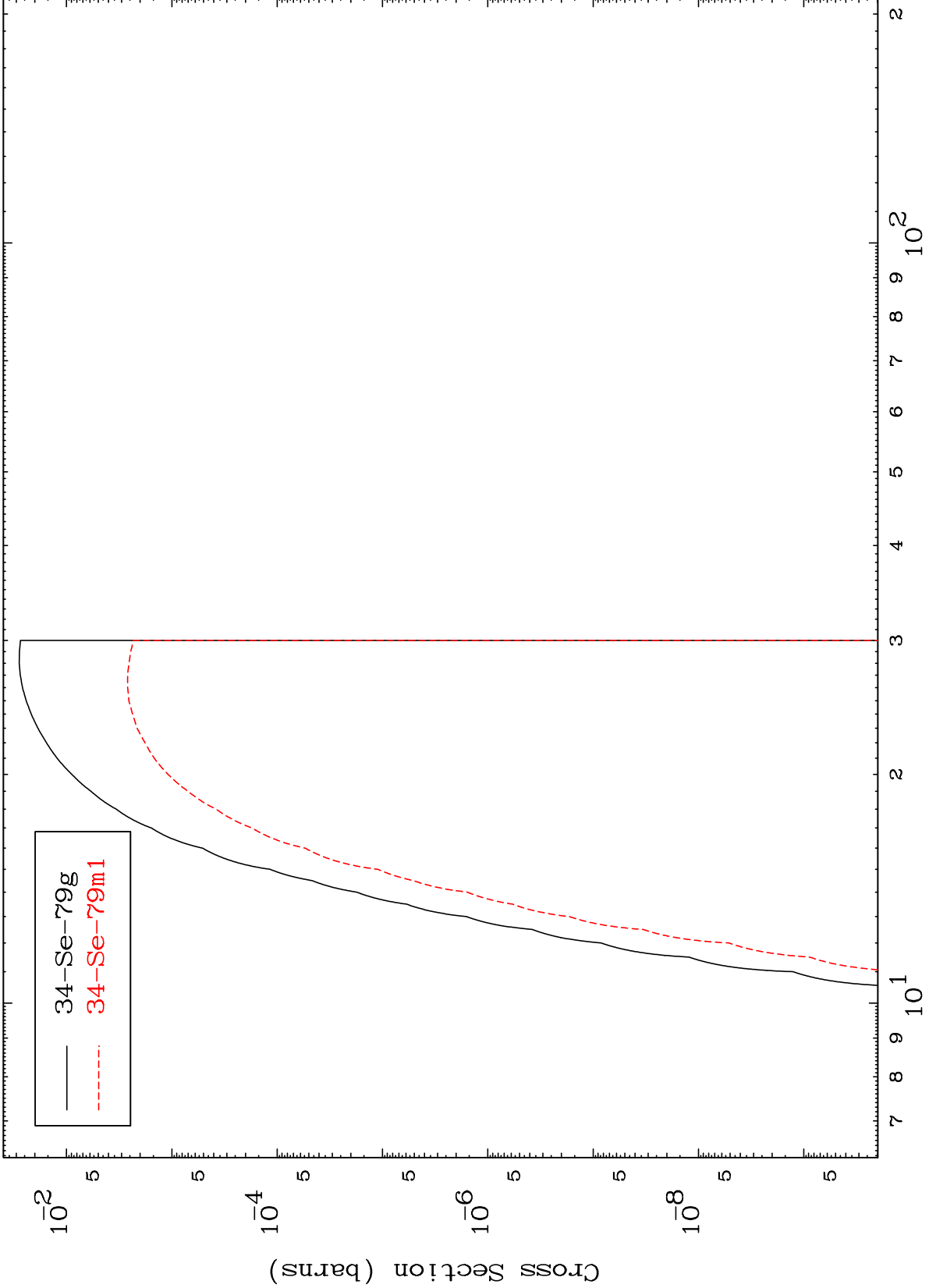


MAT 3640

$(n, n')$   $\alpha$

36-Kr-83

Radionuclide Production Cross Section



128

Incident Energy (MeV)

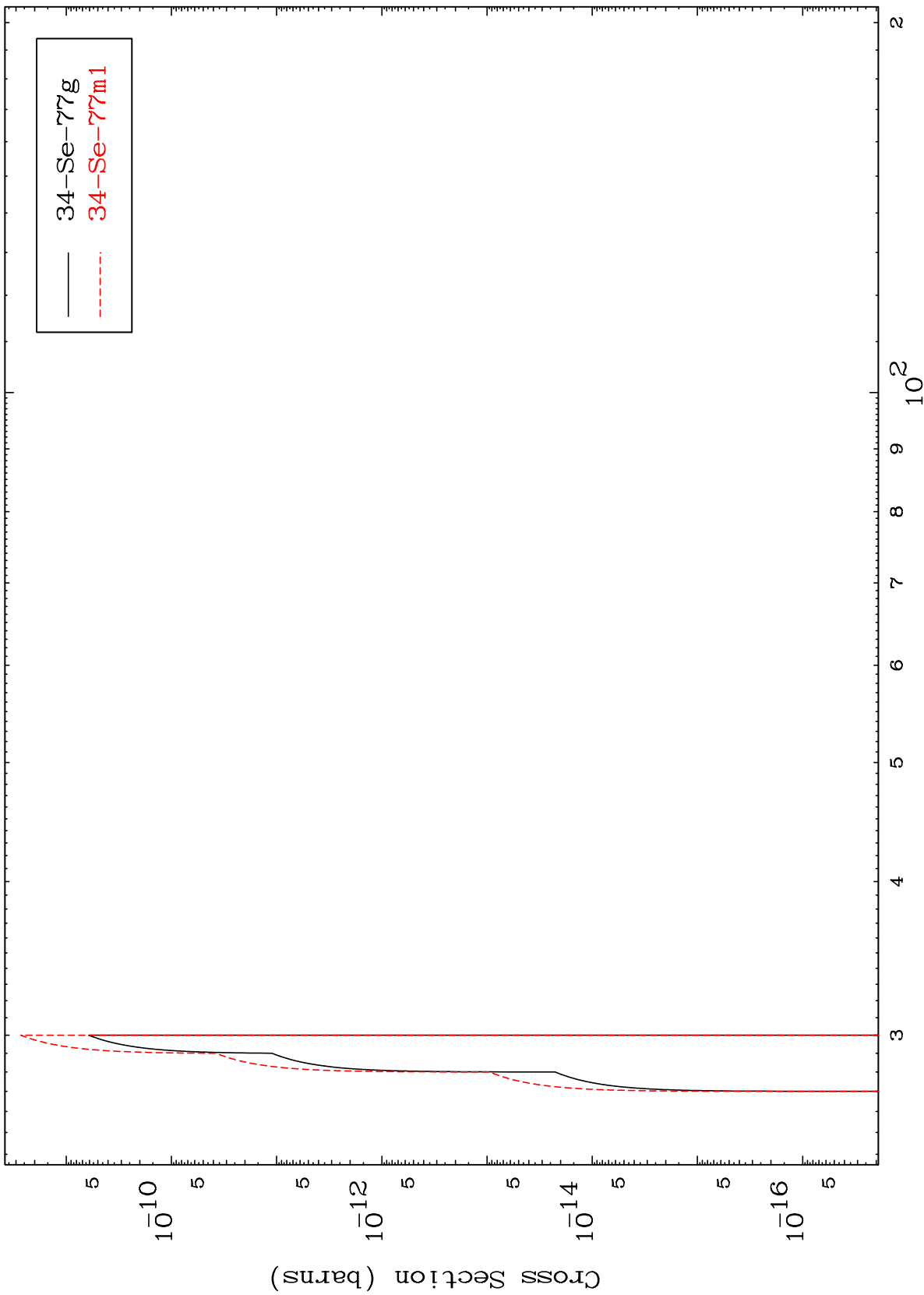
36-Kr-83

MAT 3640

(n,3n)  $\alpha$

36-Kr-83

Radionuclide Production Cross Section



34-Se-77g  
34-Se-77m1

129

Incident Energy (MeV)

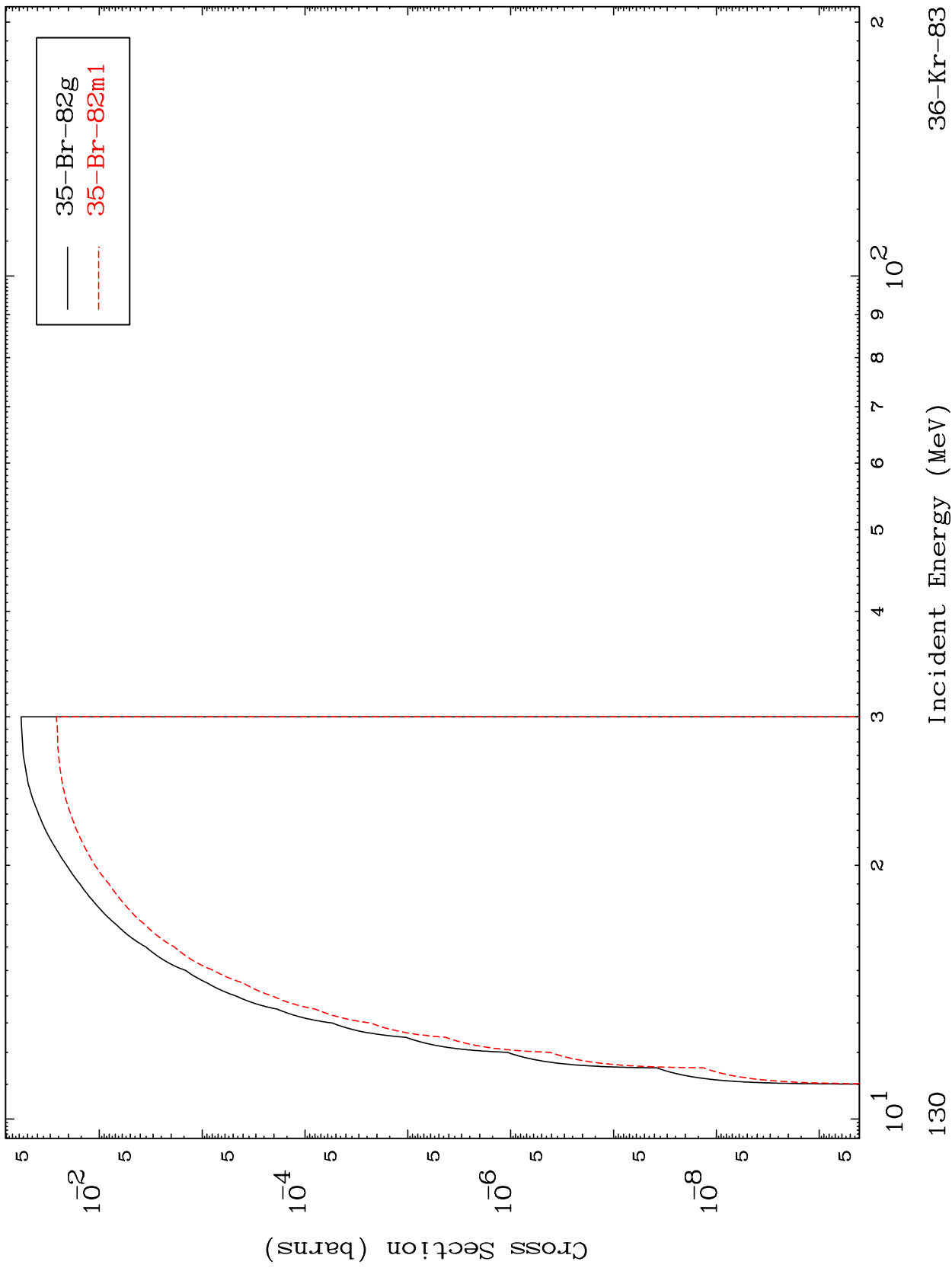
36-Kr-83

MAT 3640

$(n, n')$  p

36-Kr-83

Radionuclide Production Cross Section



Incident Energy (MeV)

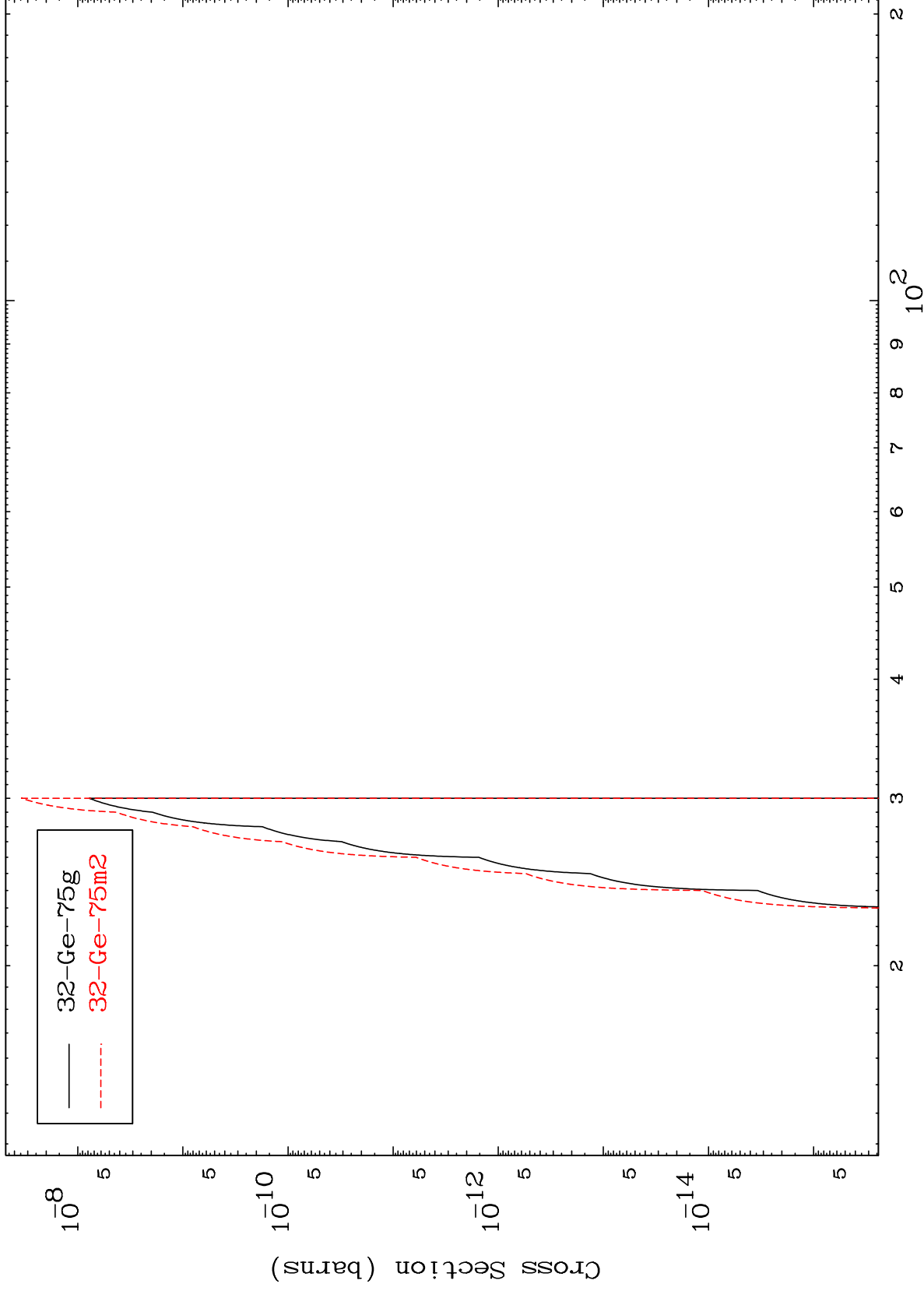
36-Kr-83

MAT 3640

(n,n') 2α

36-Kr-83

Radionuclide Production Cross Section



131

Incident Energy (MeV)

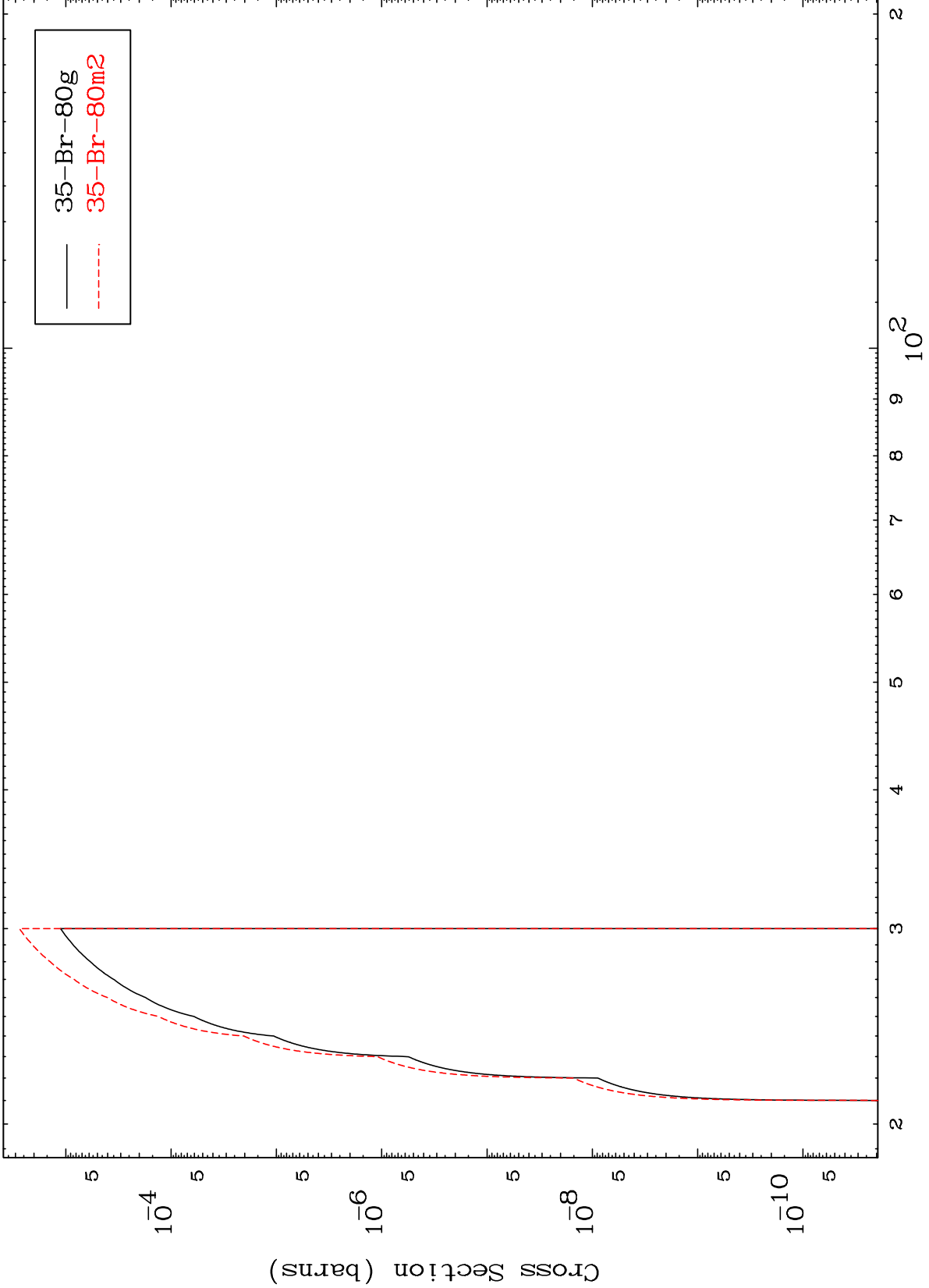
36-Kr-83

MAT 3640

(n,n') t

36-Kr-83

Radionuclide Production Cross Section



132

Incident Energy (MeV)

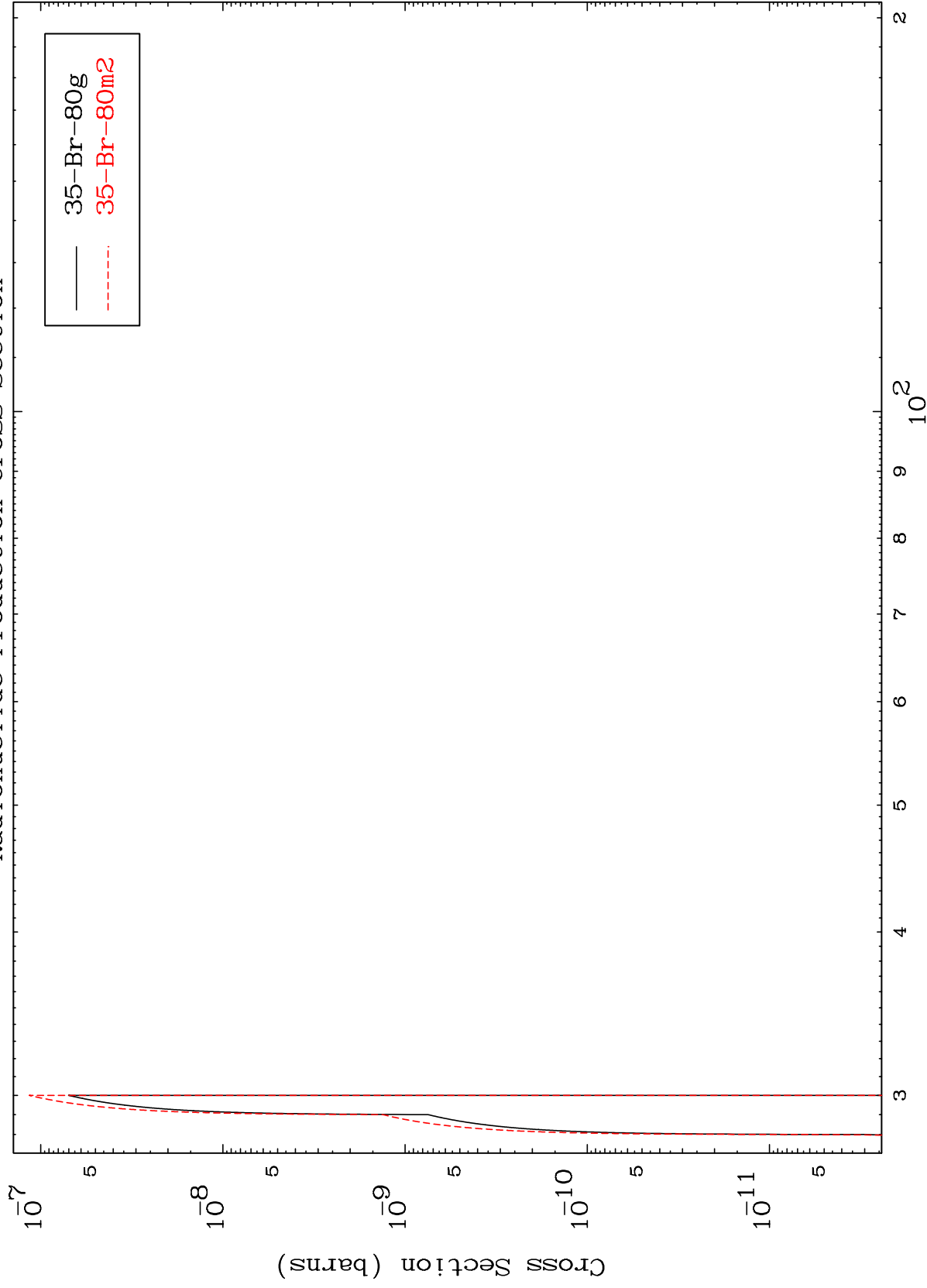
36-Kr-83

MAT 3640

(n,3n) p

36-Kr-83

Radionuclide Production Cross Section



133

Incident Energy (MeV)

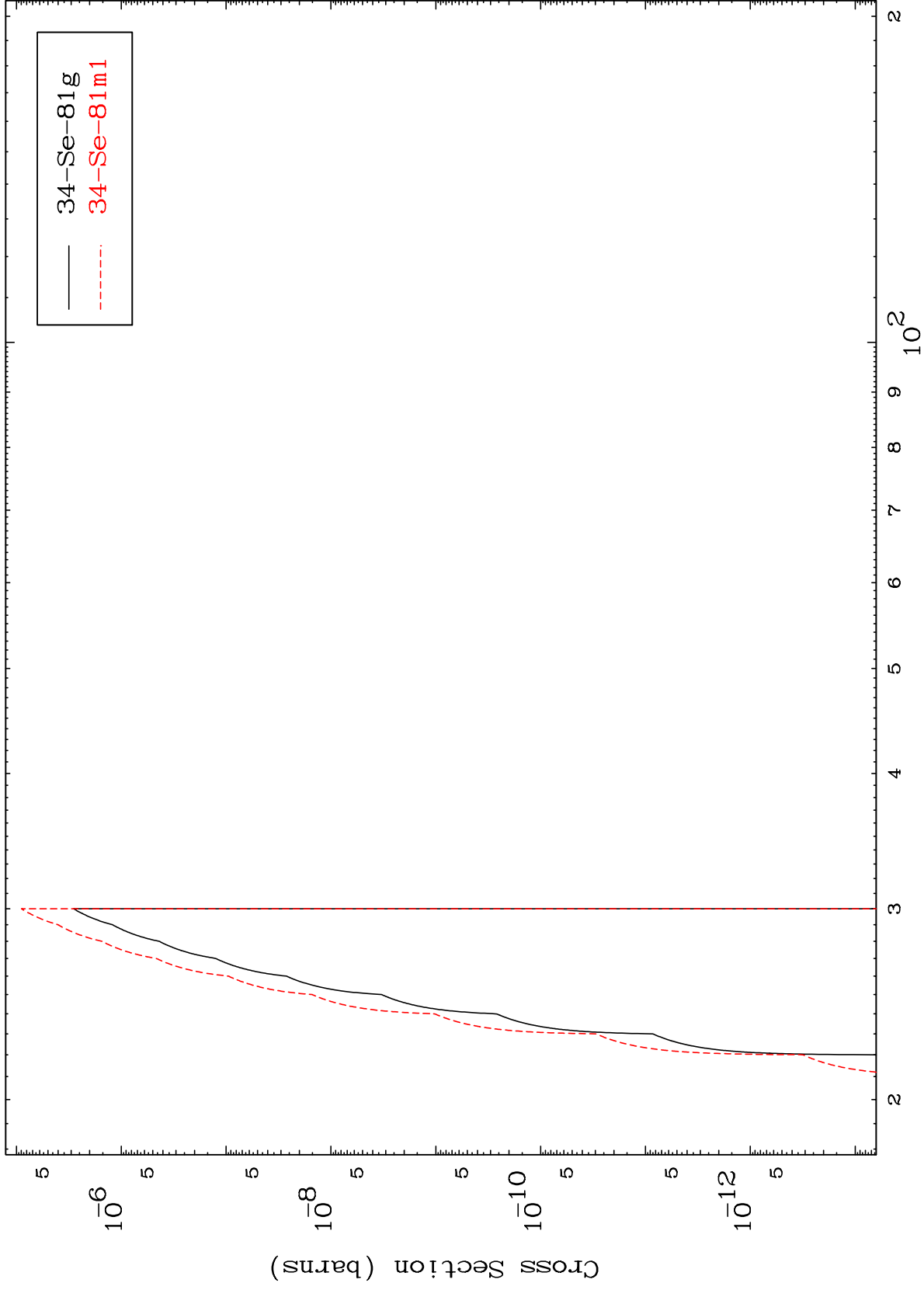
36-Kr-83

MAT 3640

(n,2n) p

36-Kr-83

Radionuclide Production Cross Section



134

Incident Energy (MeV)

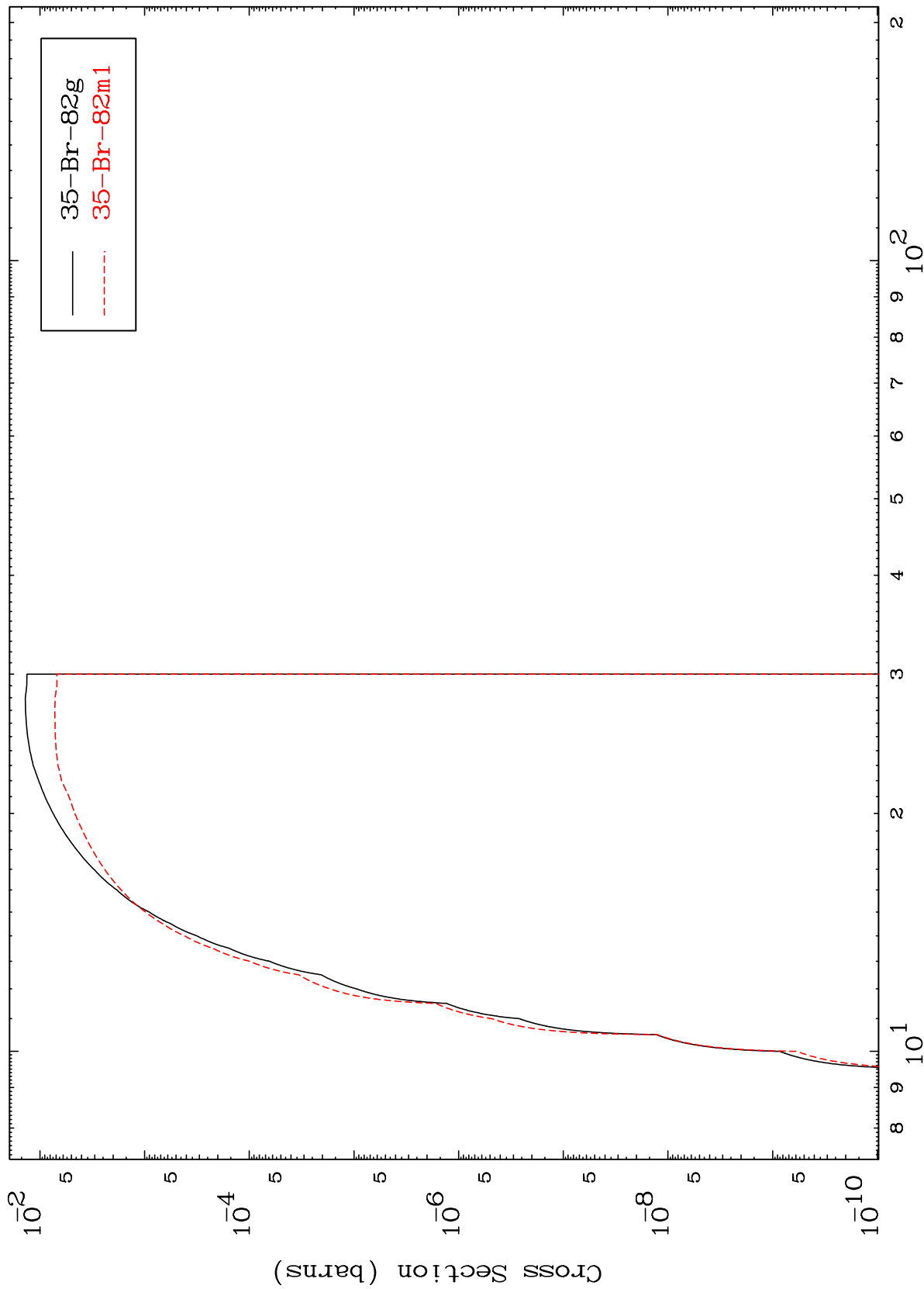
36-Kr-83

MAT 3640

(n,d)

36-Kr-83

Radionuclide Production Cross Section



135

Incident Energy (MeV)

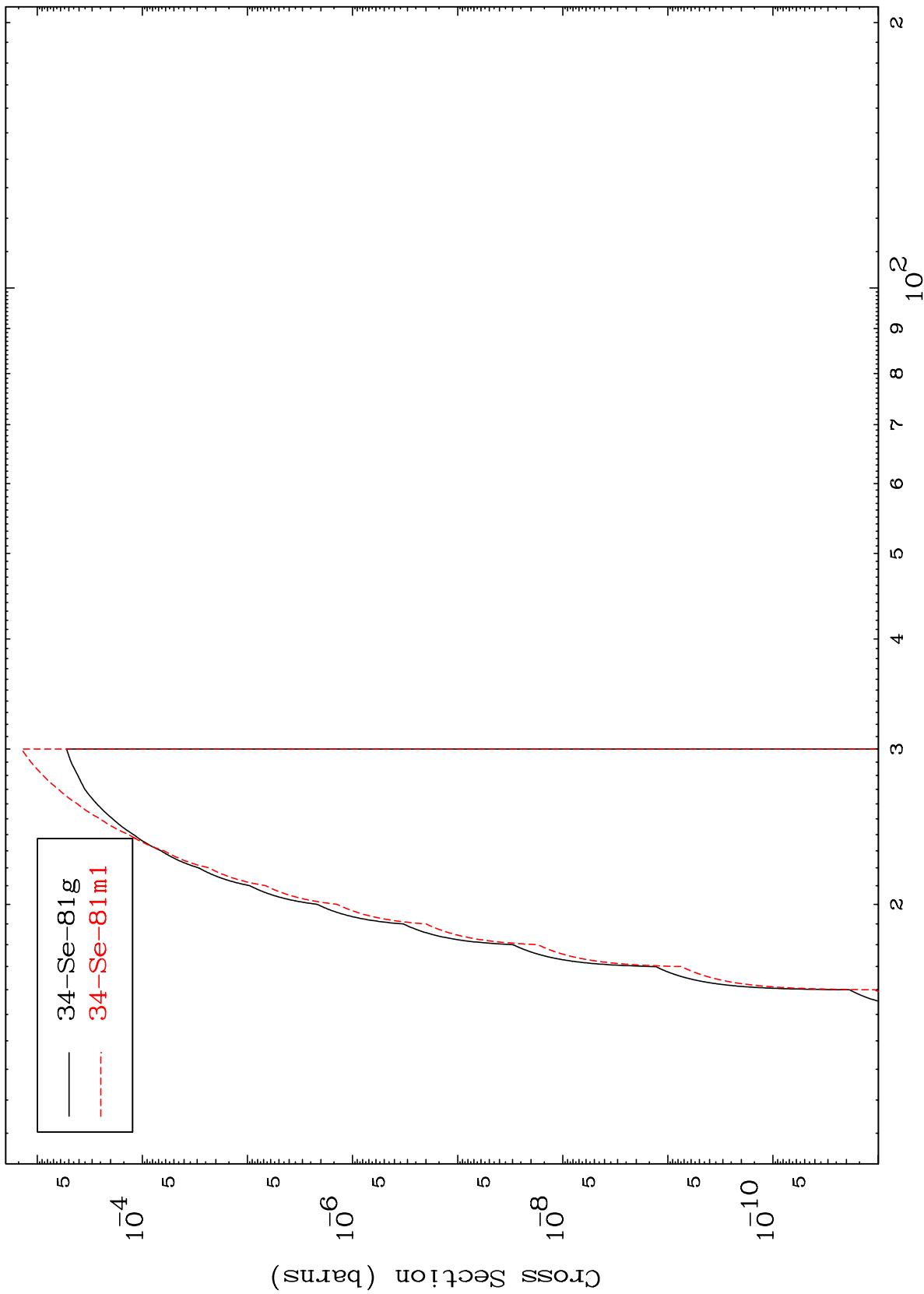
36-Kr-83



MAT 3640

36-Kr-83

(n,He-3)  
Radionuclide Production Cross Section



36-Kr-83

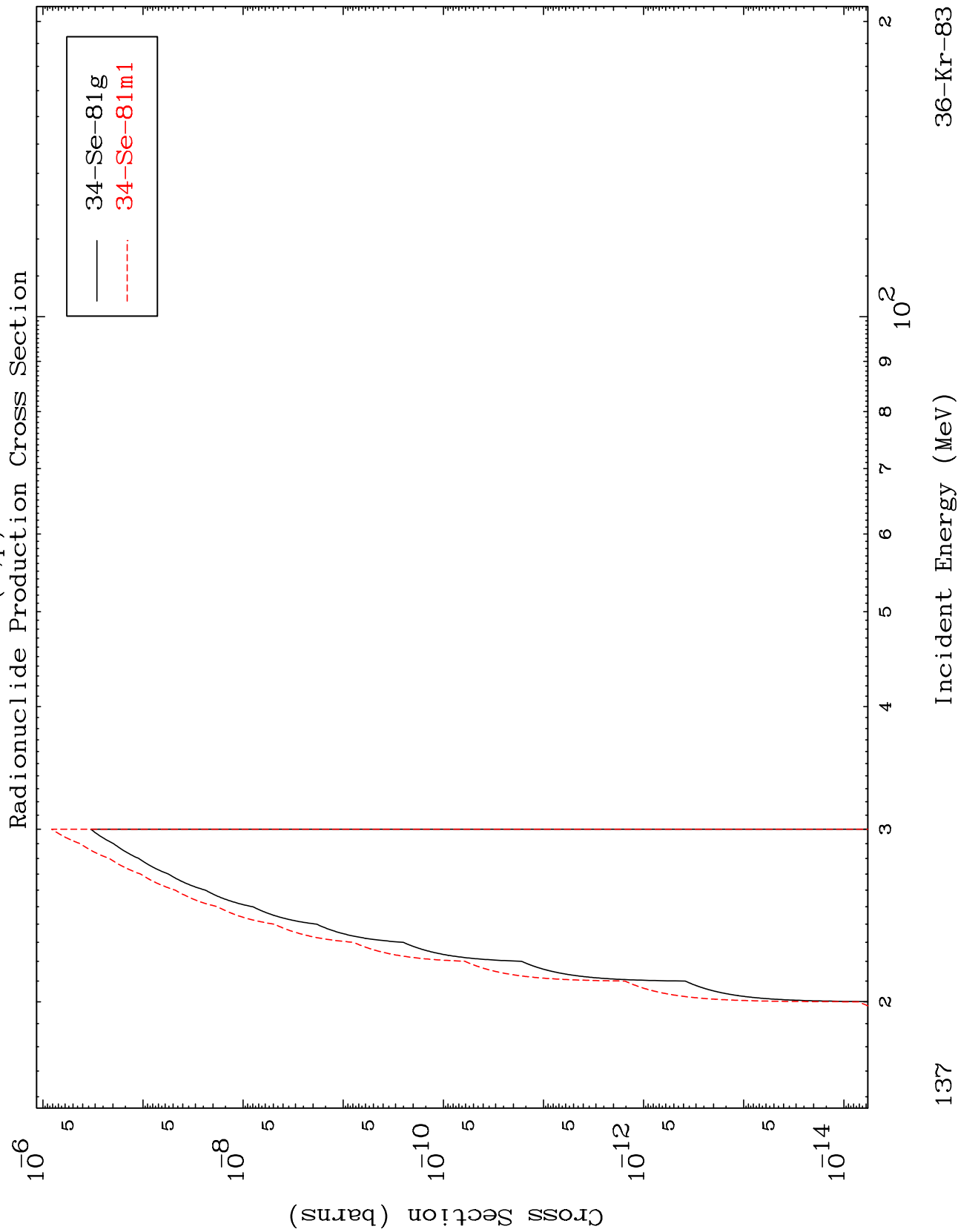
Incident Energy (MeV)

136

MAT 3640

(n,p) d

36-Kr-83



137

36-Kr-83