

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

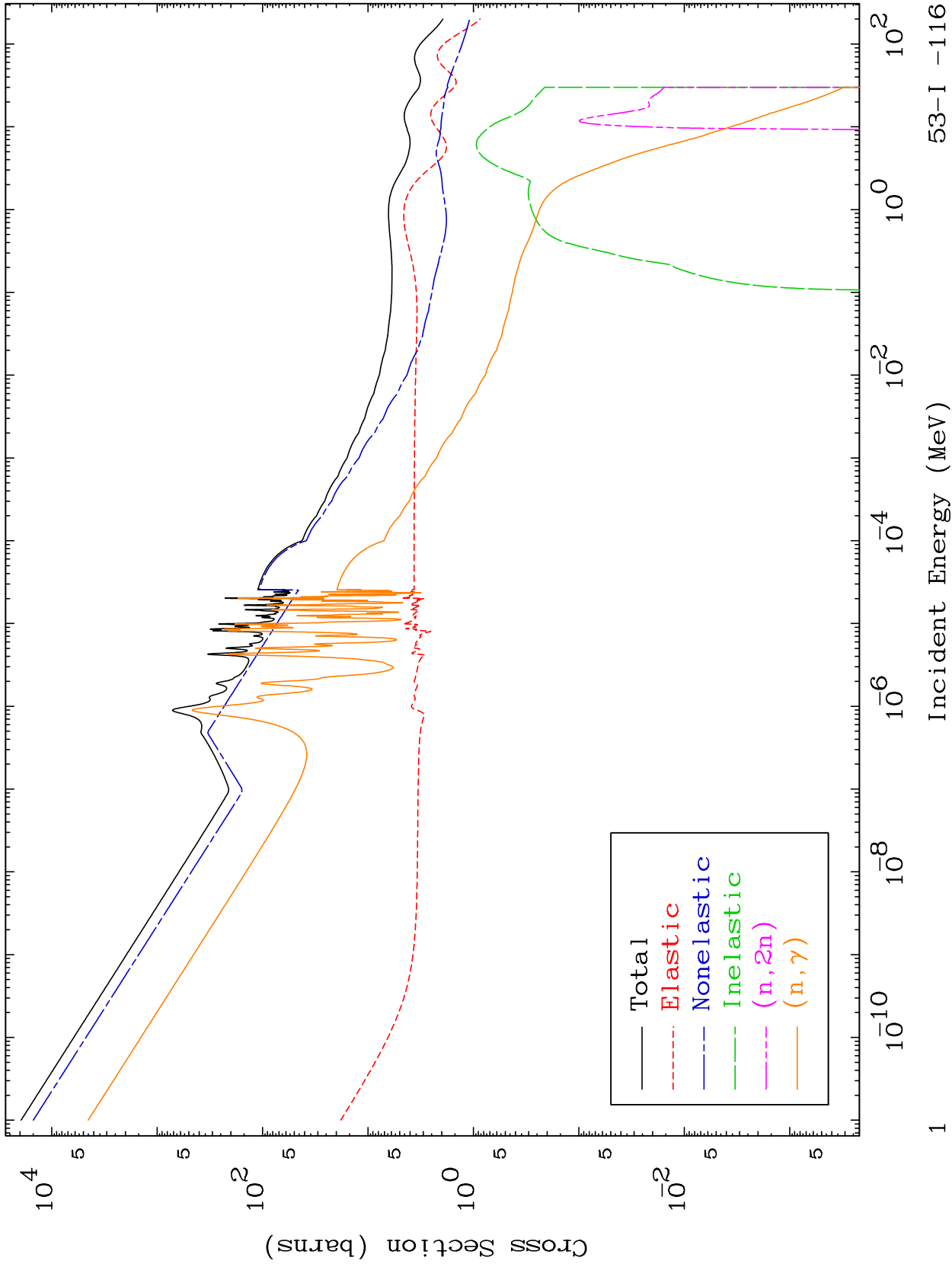
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

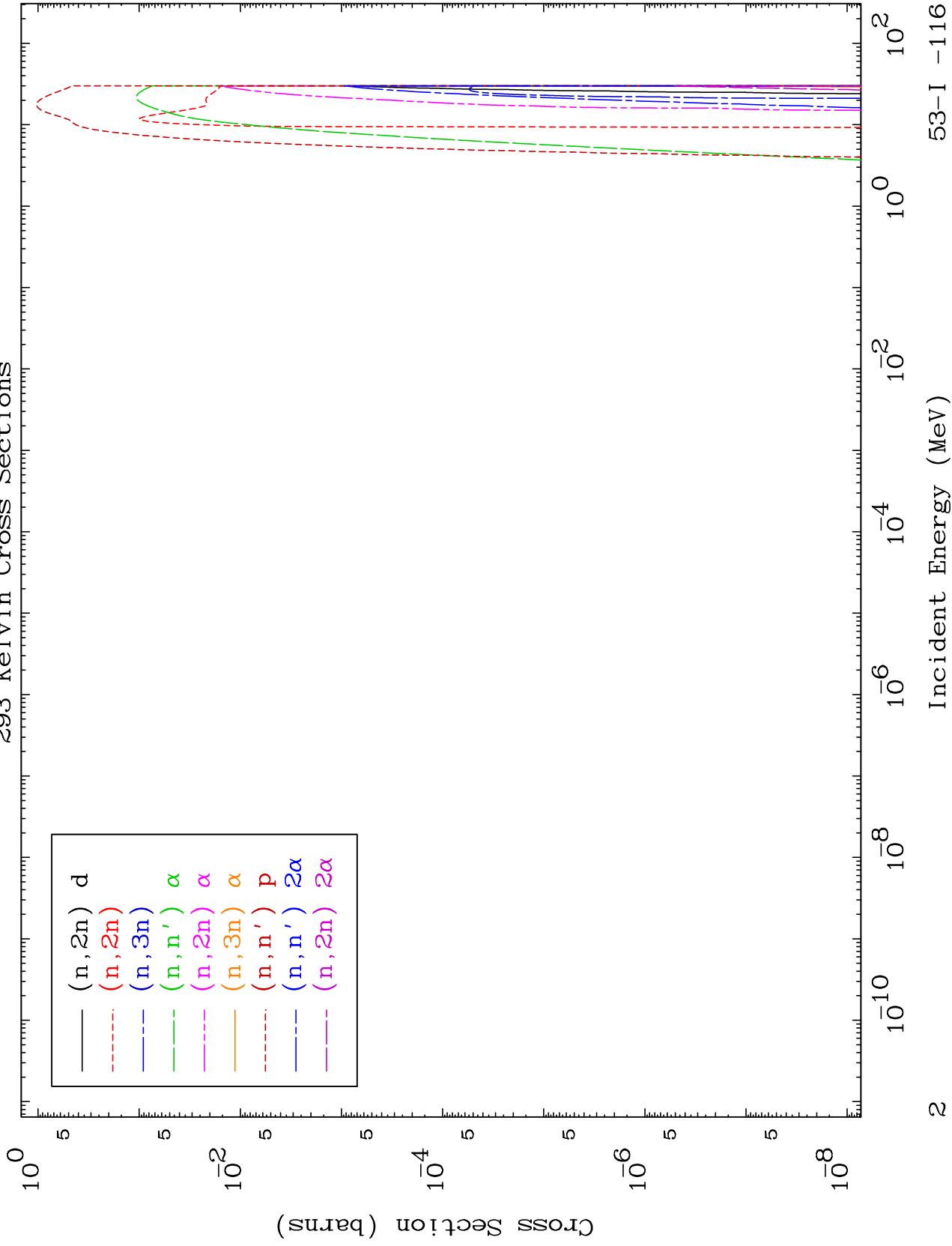
Press Mouse Button to Start

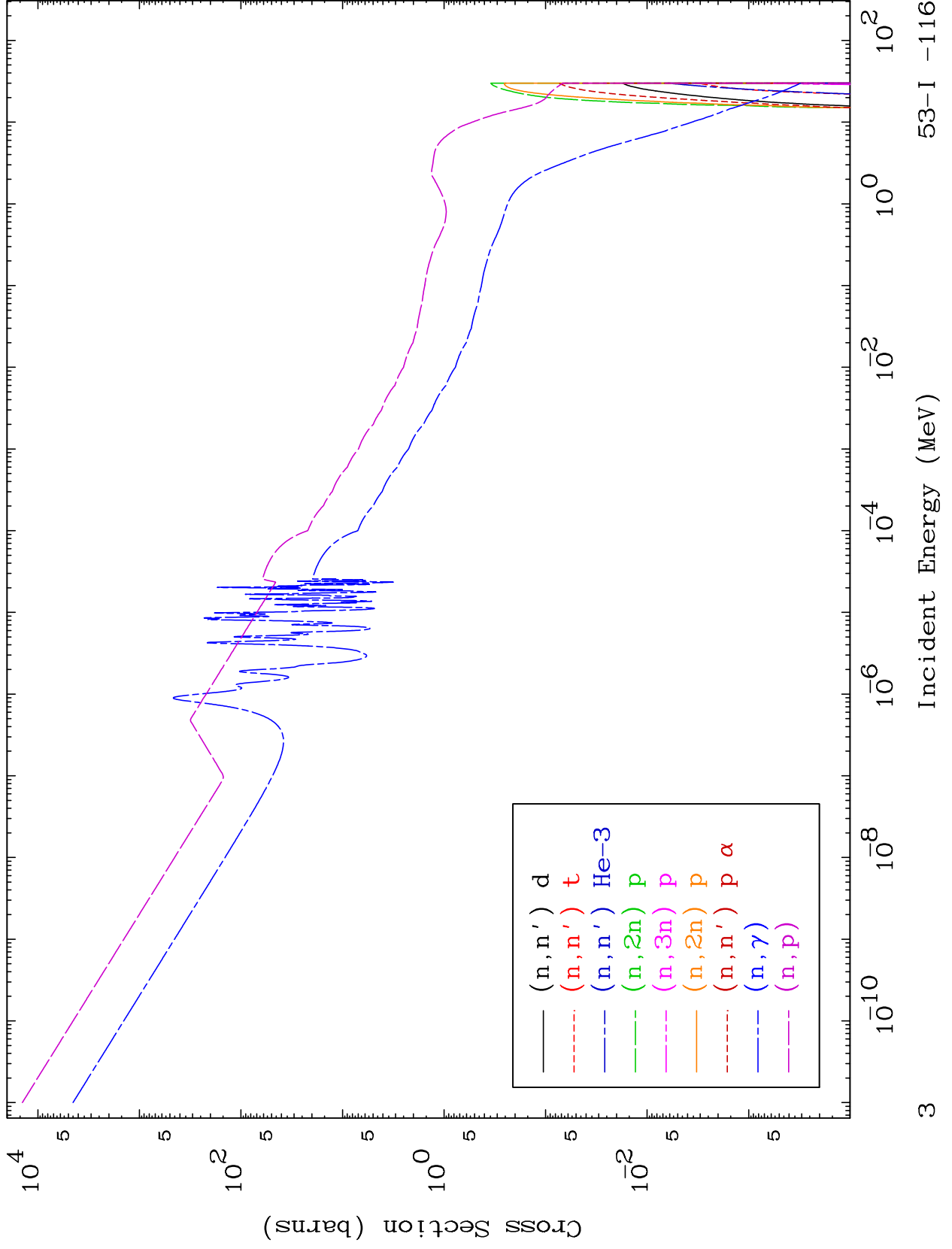


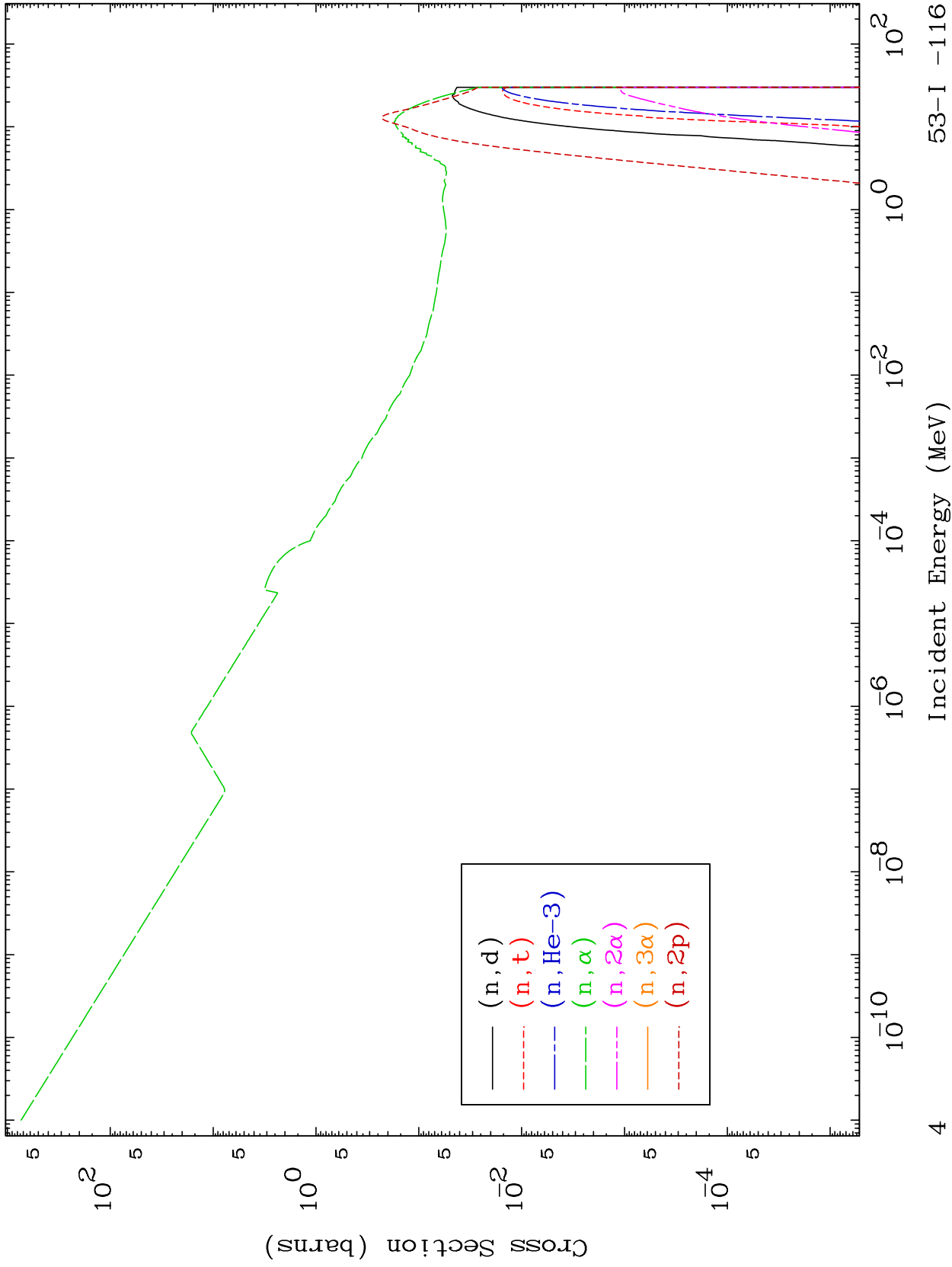
MAT 5292

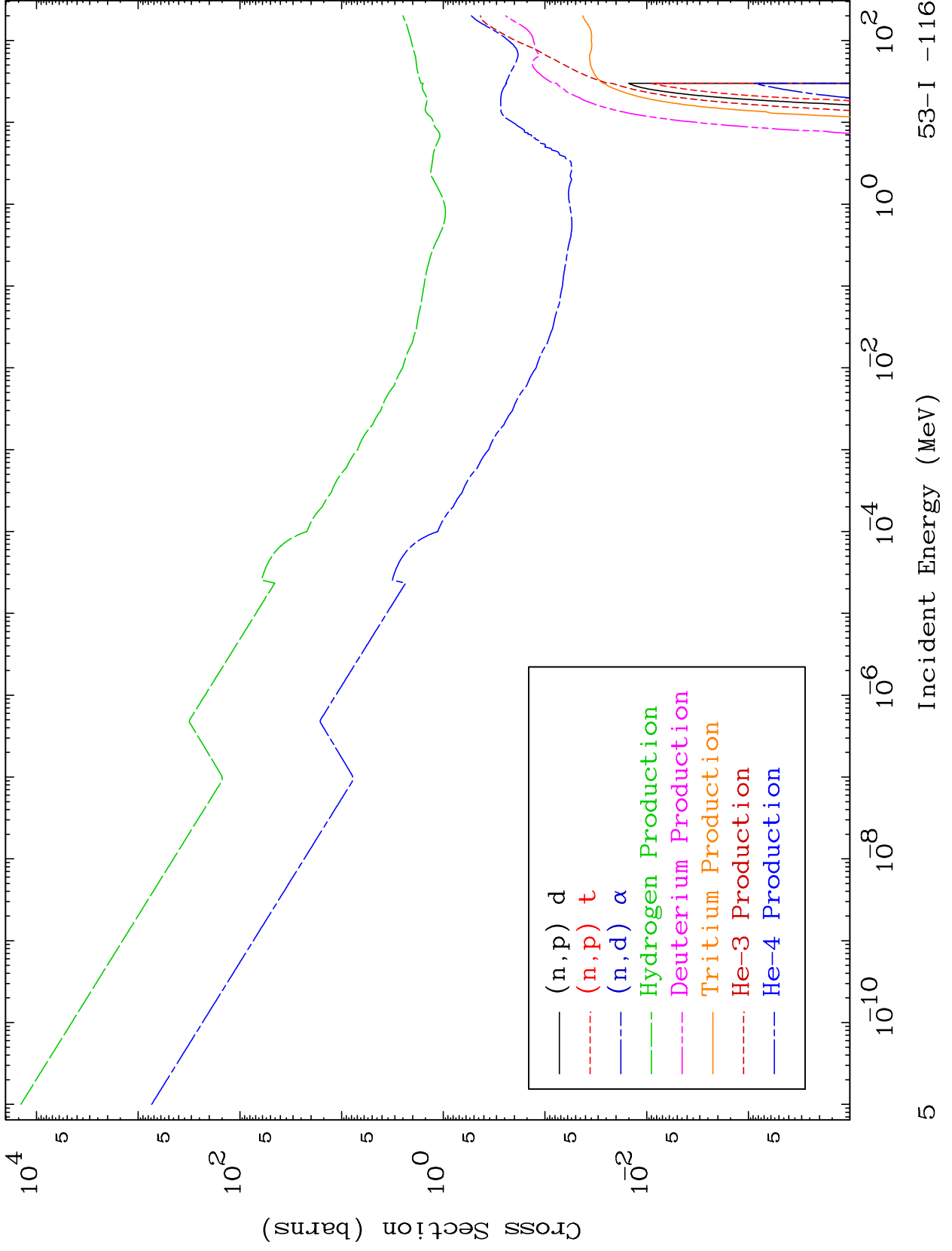
Neutron Absorption  
293 Kelvin Cross Sections

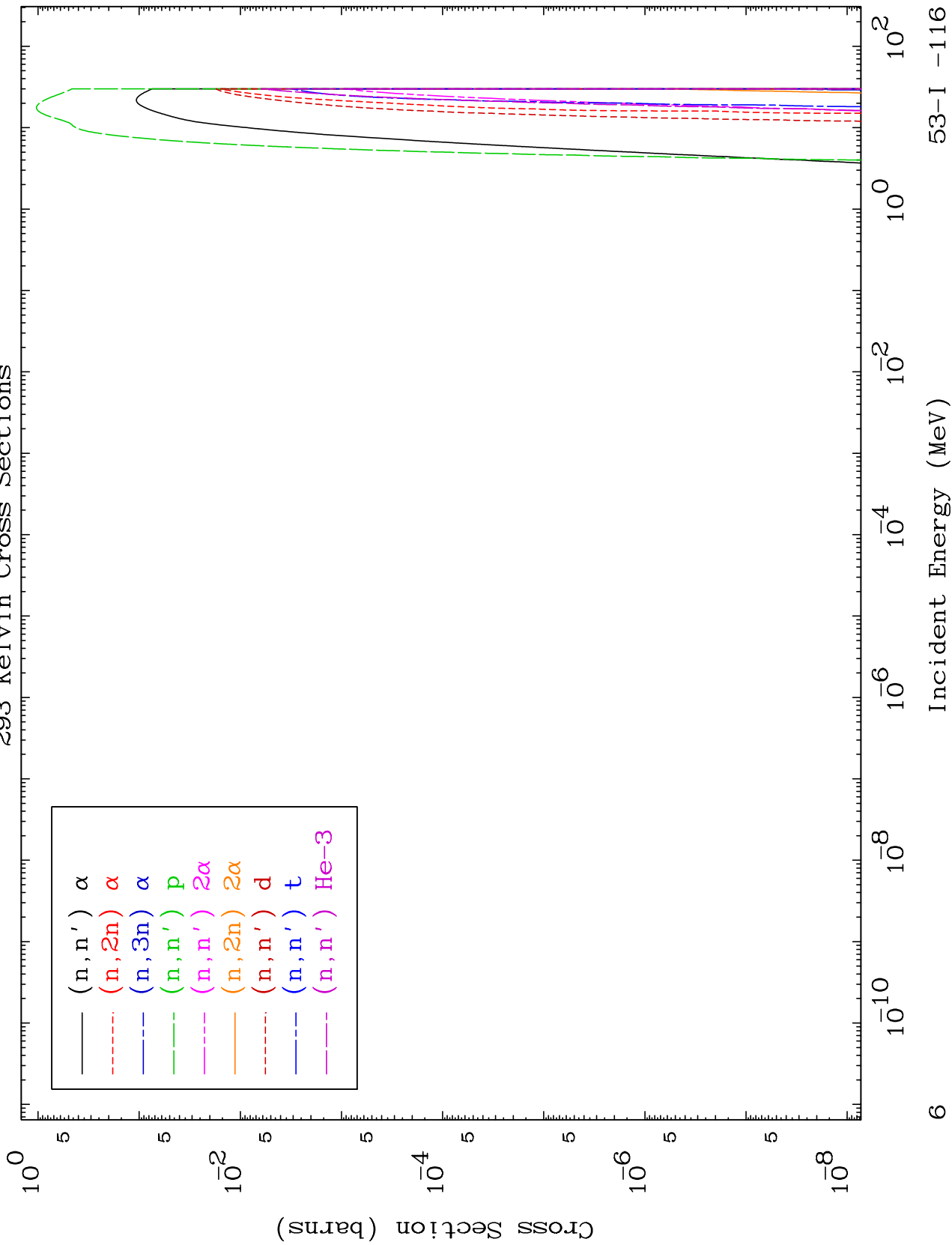
53-I -116

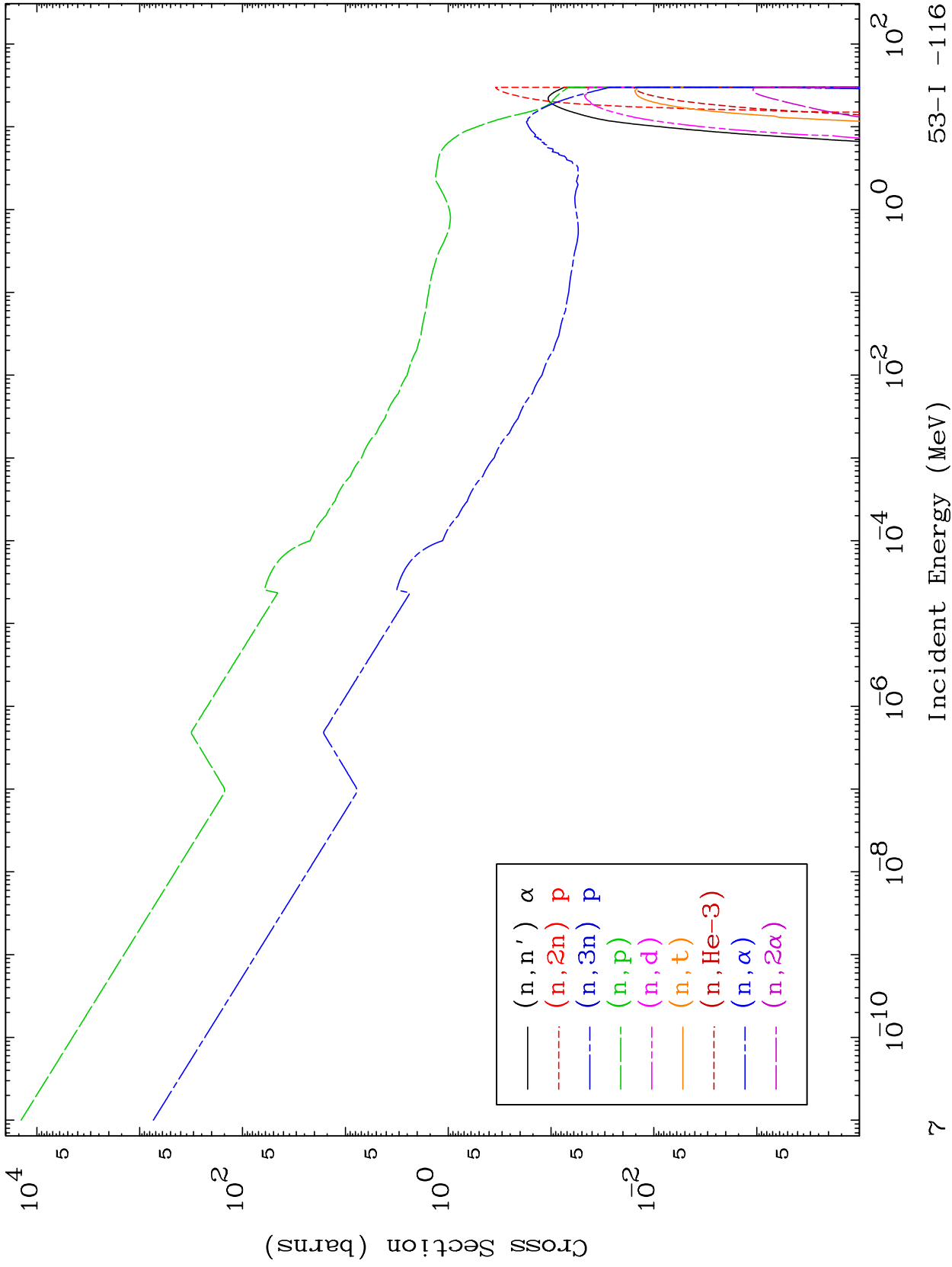


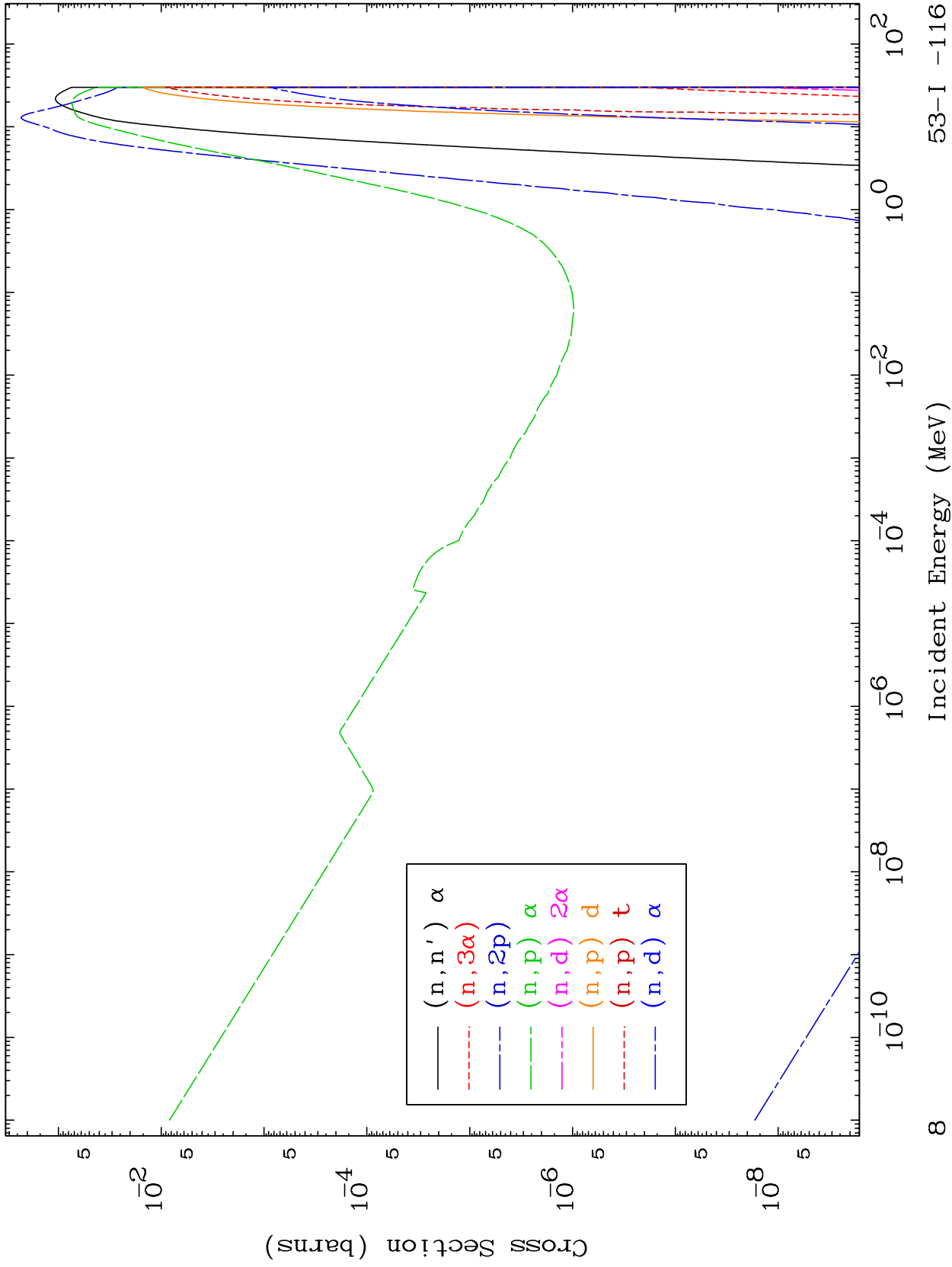


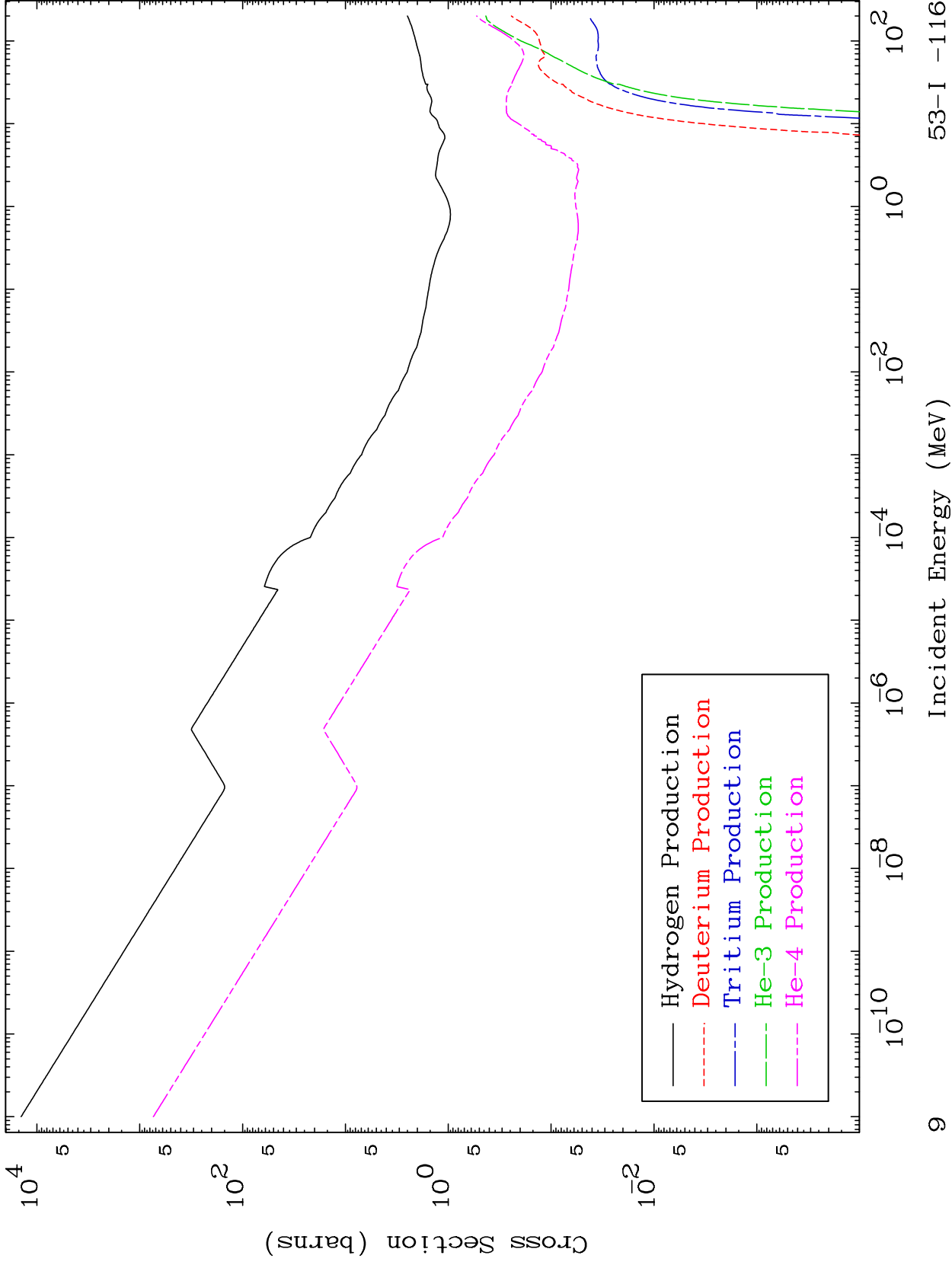


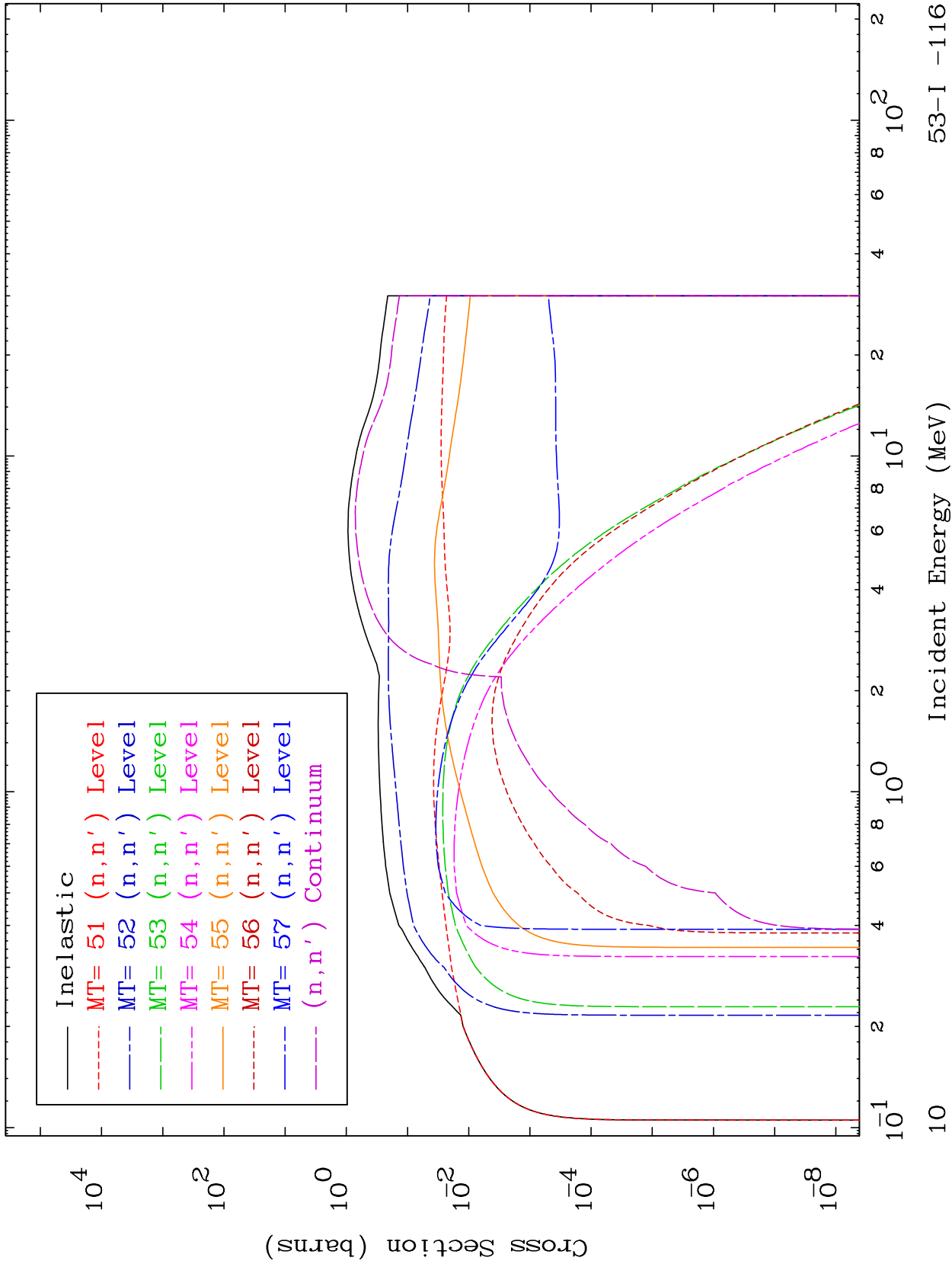








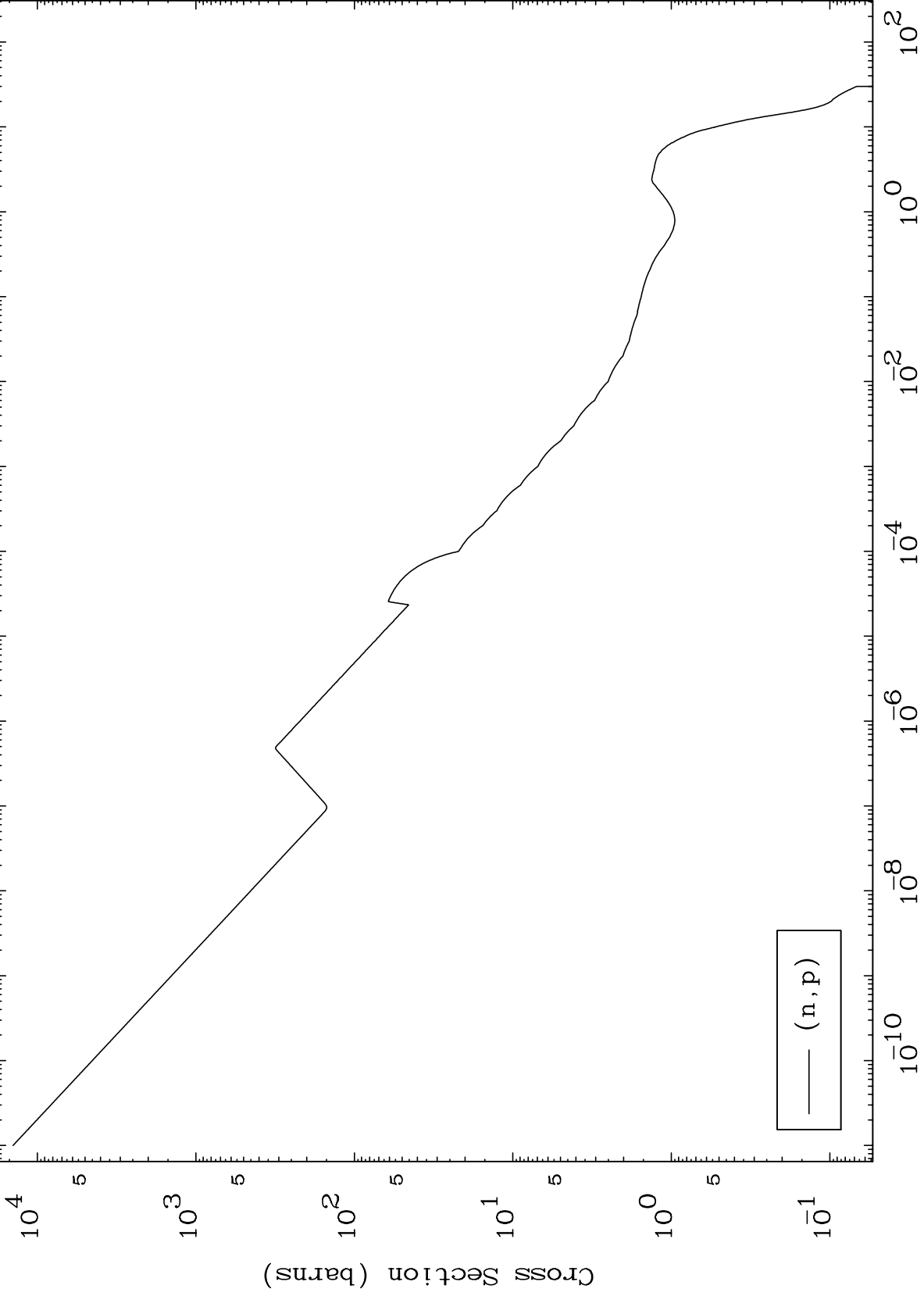




MAT 5292

(n,p) Levels  
293 Kelvin Cross Sections

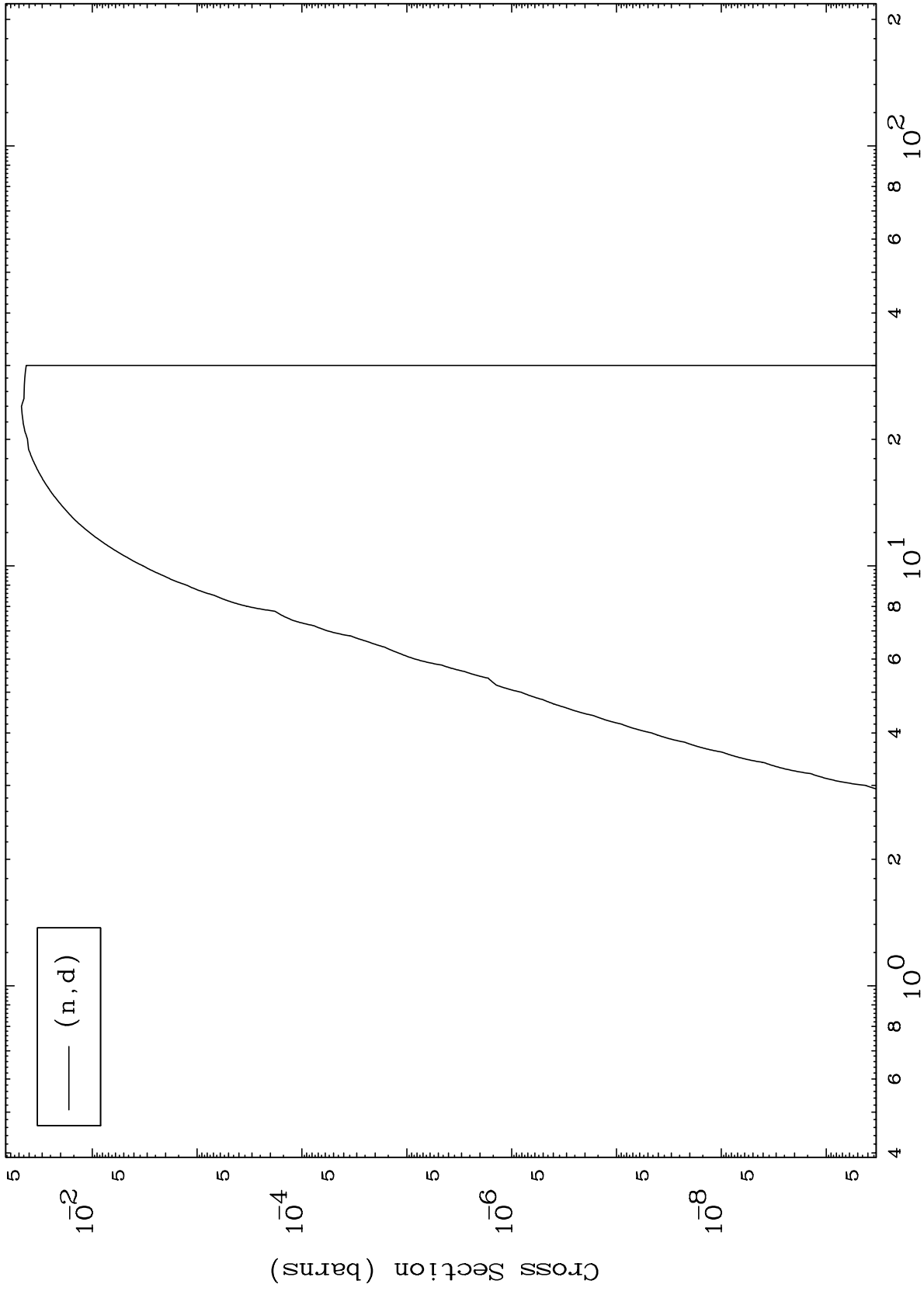
53-I -116



MAT 5292

(n,d) Levels  
293 Kelvin Cross Sections

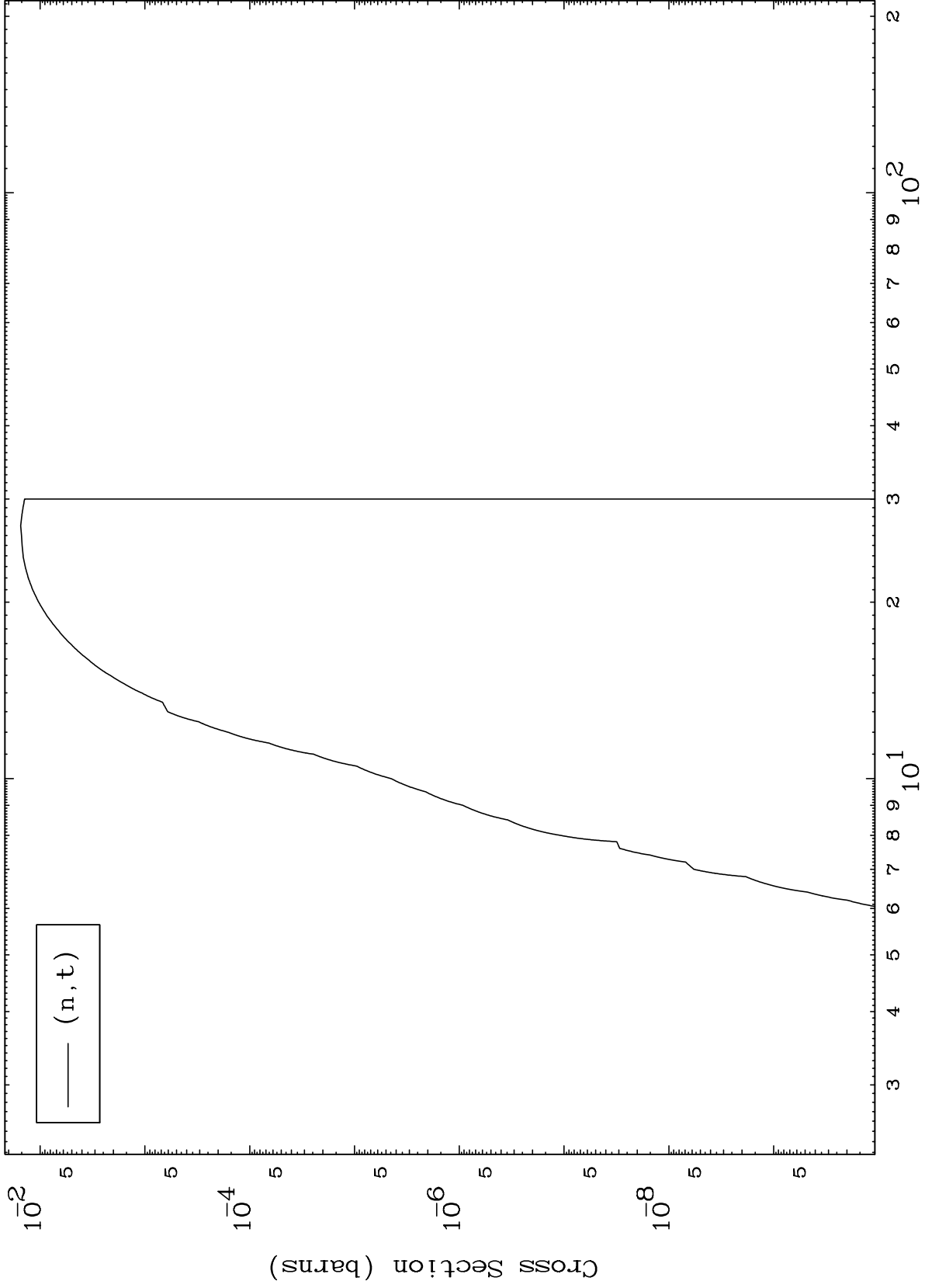
53-I -116



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Incident Energy (MeV)

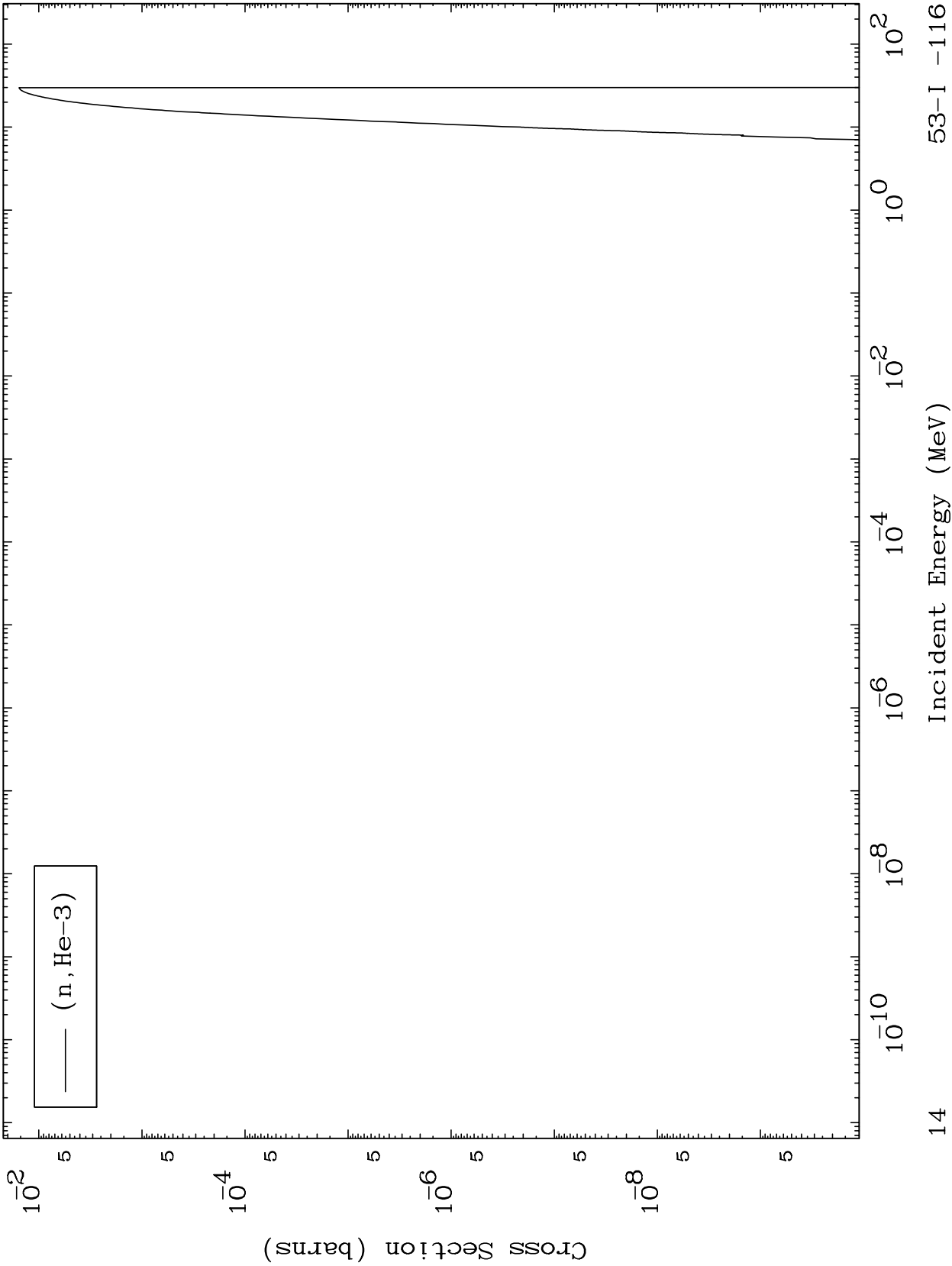
53-I -116



MAT 5292

(n,He3) Levels  
293 Kelvin Cross Sections

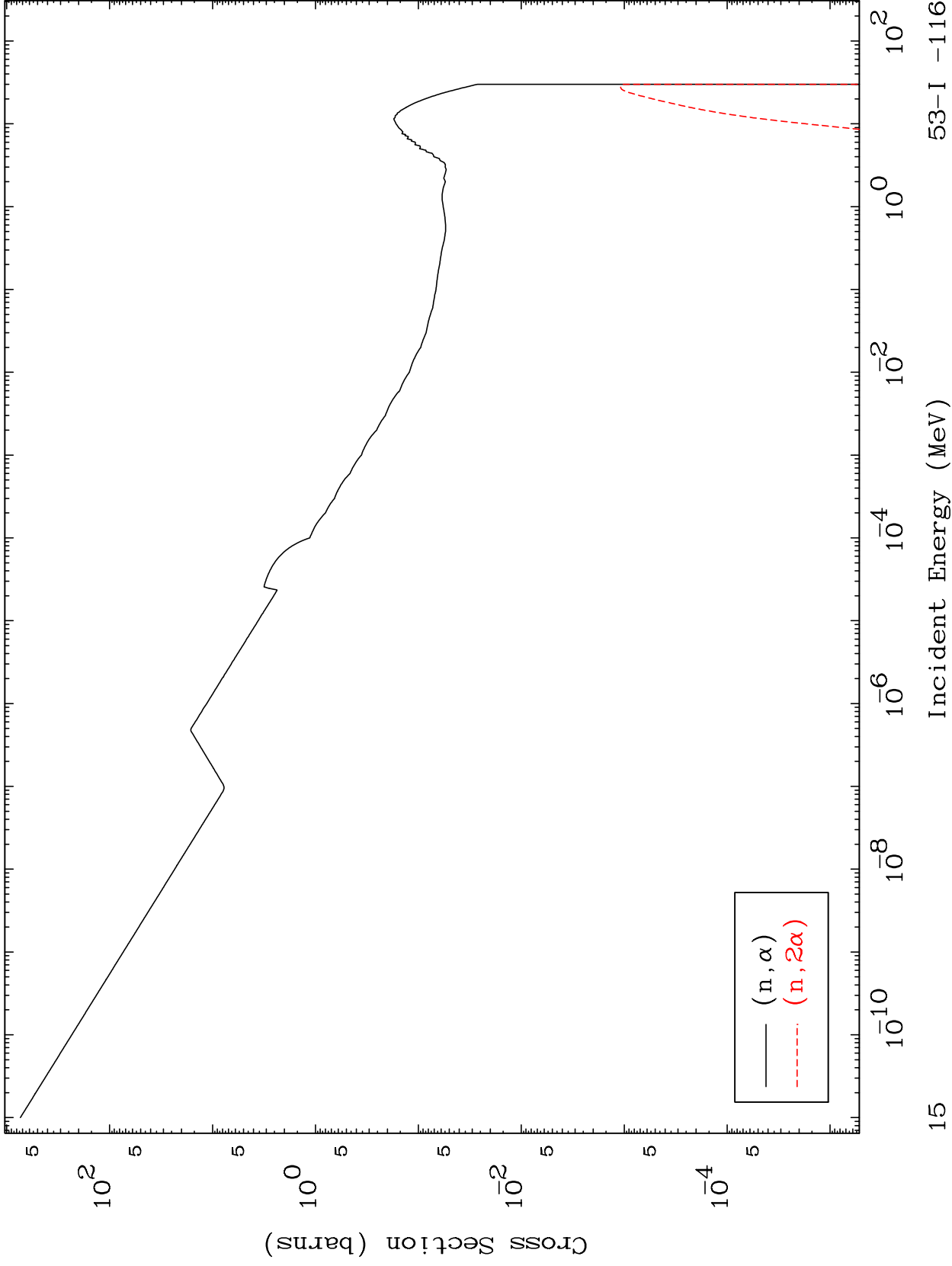
53-I -116

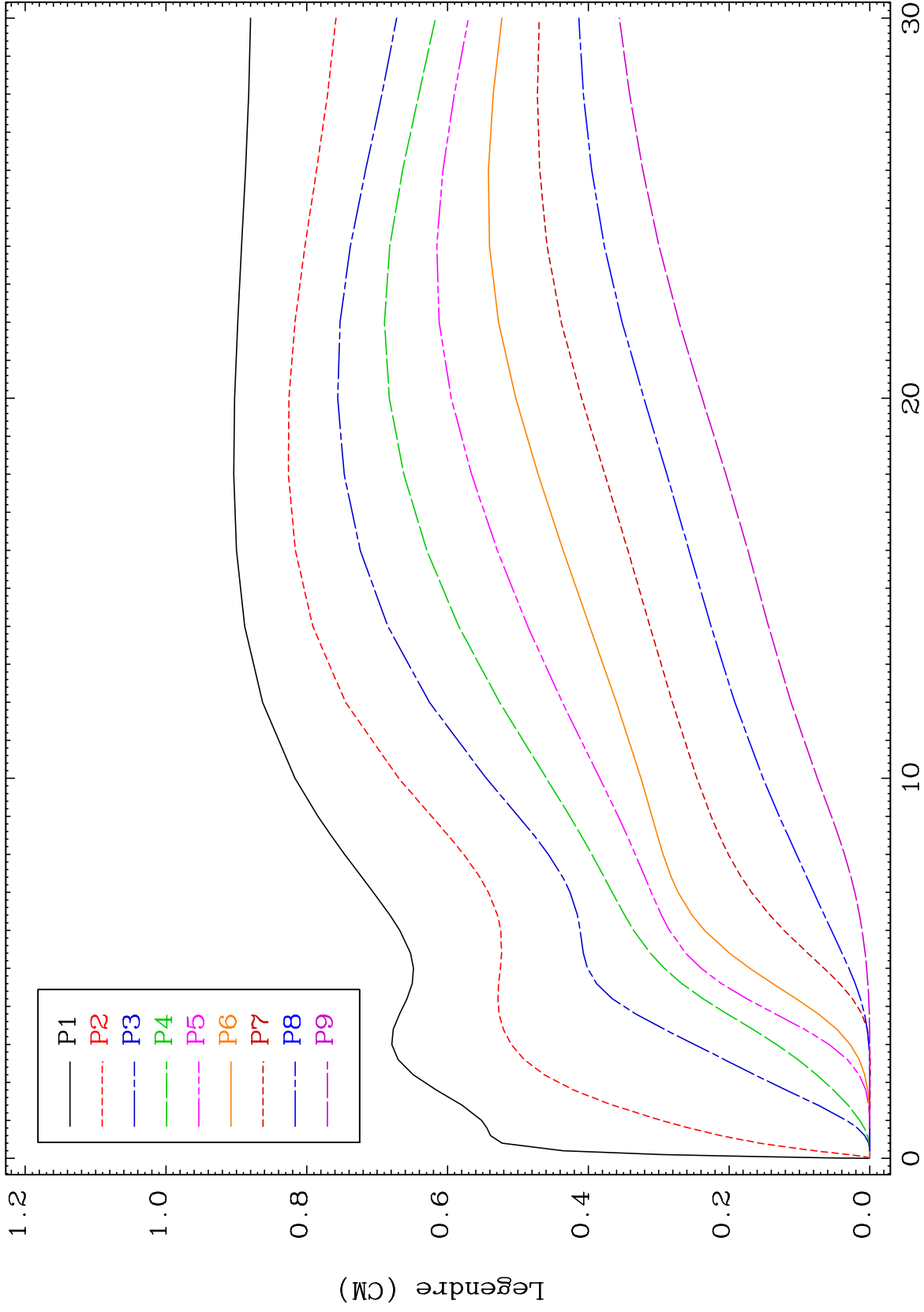


MAT 5292

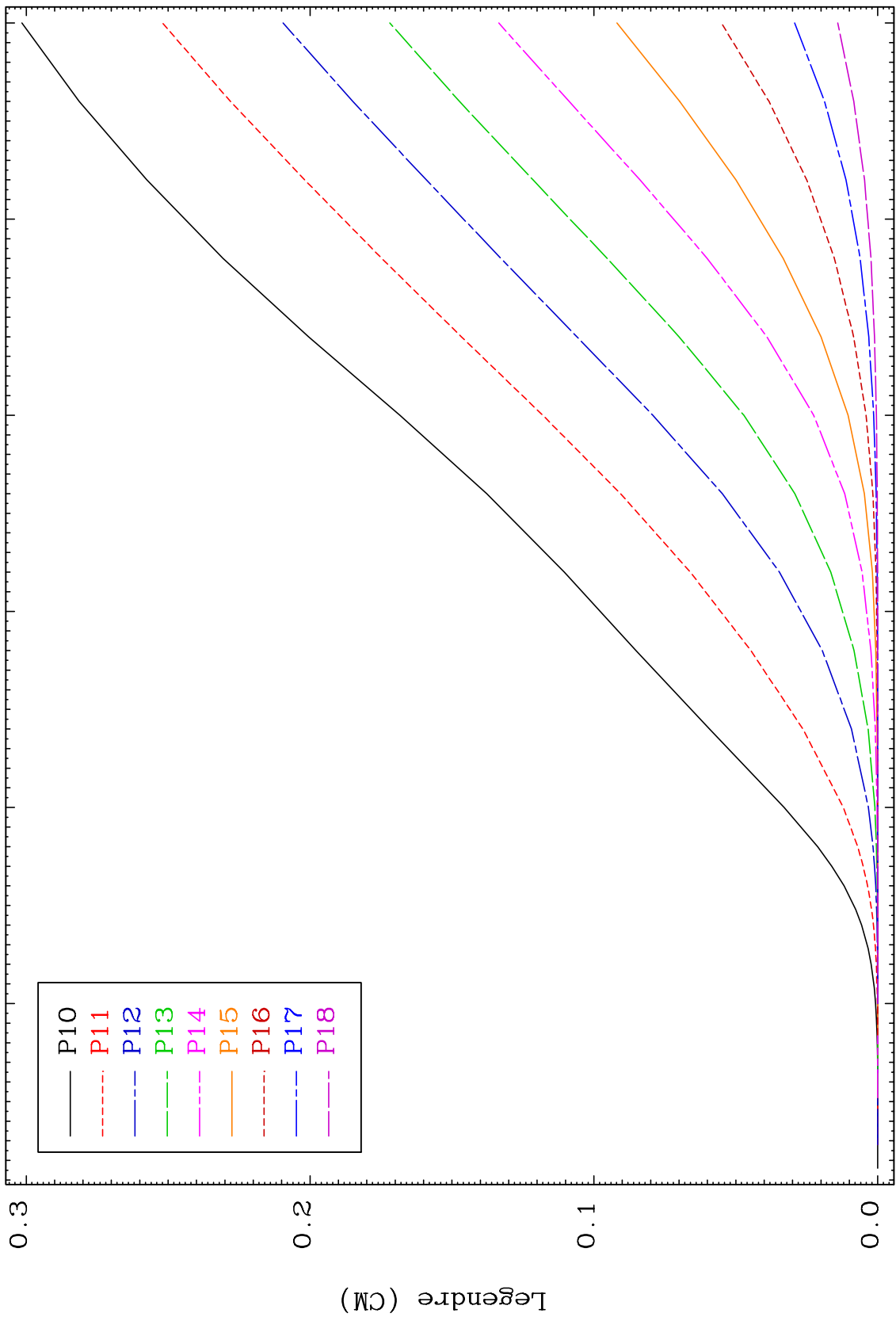
(n,α) Levels  
293 Kelvin Cross Sections

53-I -116





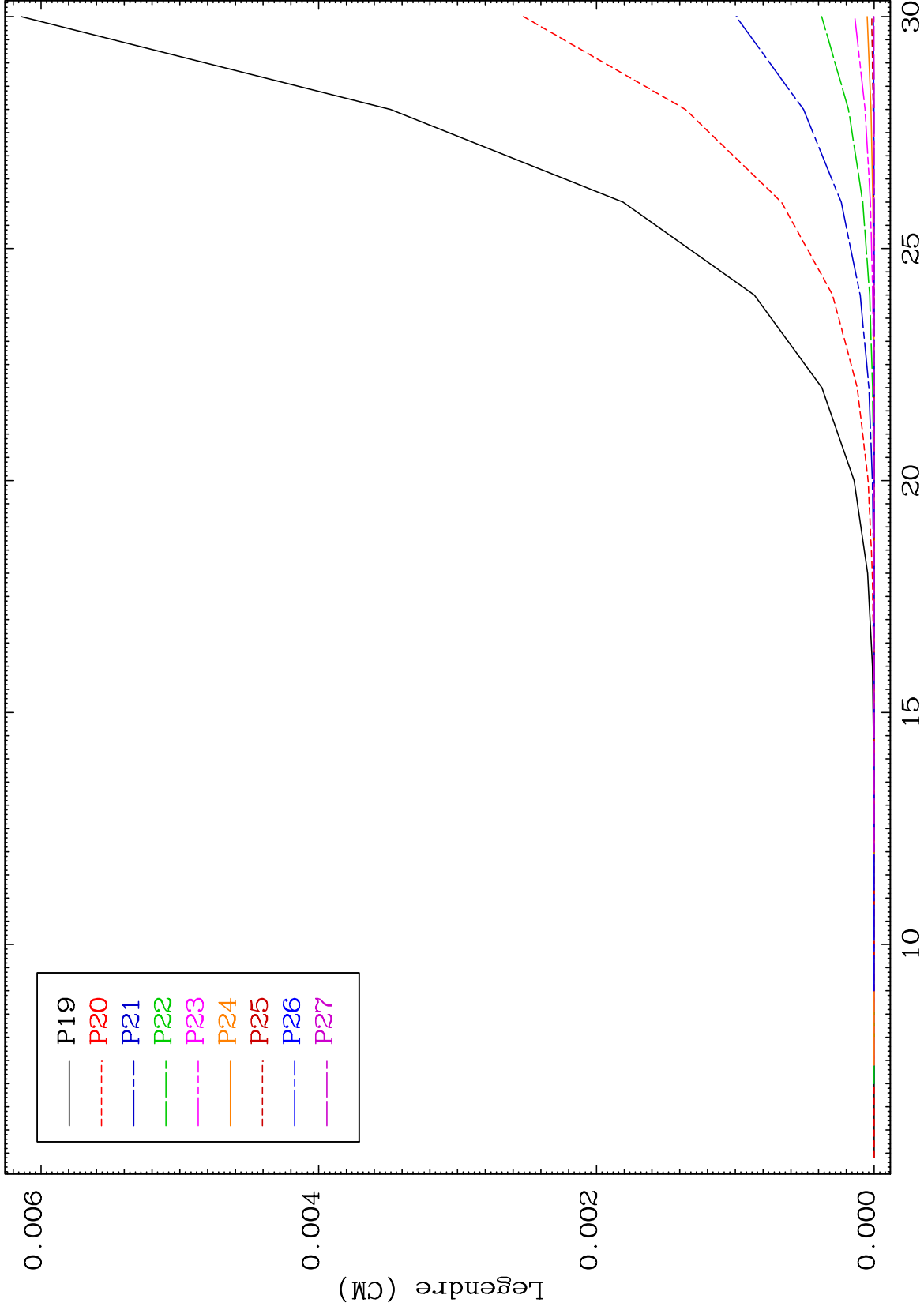
Elastic Legendre Coefficients



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### Elastic Legendre Coefficients

53-I -116



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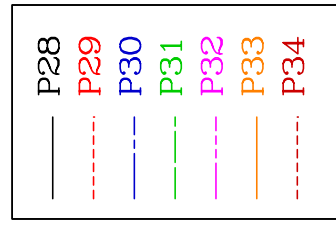
Incident Energy (MeV)

53-I -116

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Elastic Legendre Coefficients

53-I -116



$\times 10^{-7}$   
3  
2

Legendre (CM)

1

0

15

20

25

30

19

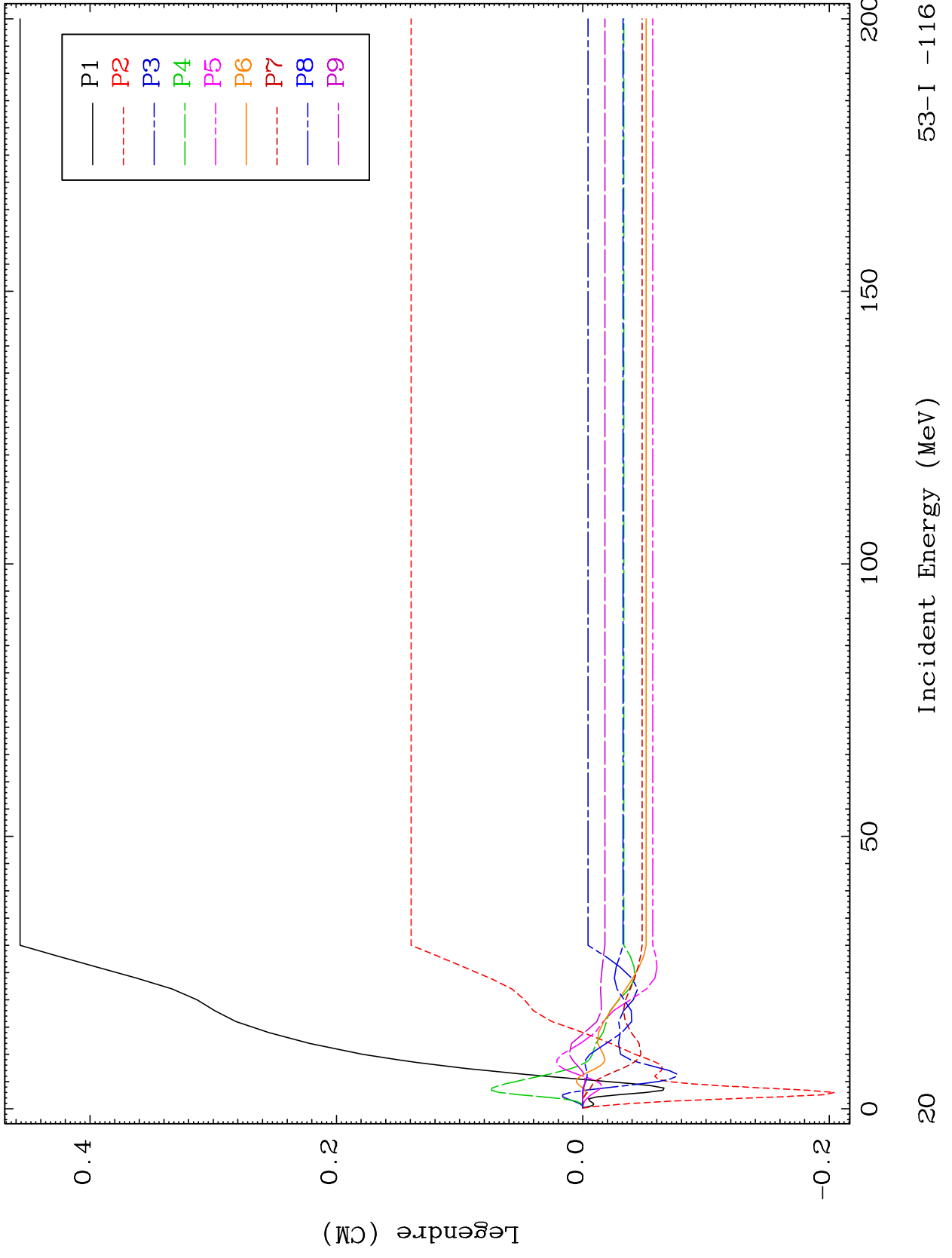
Incident Energy (MeV)

53-I -116

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

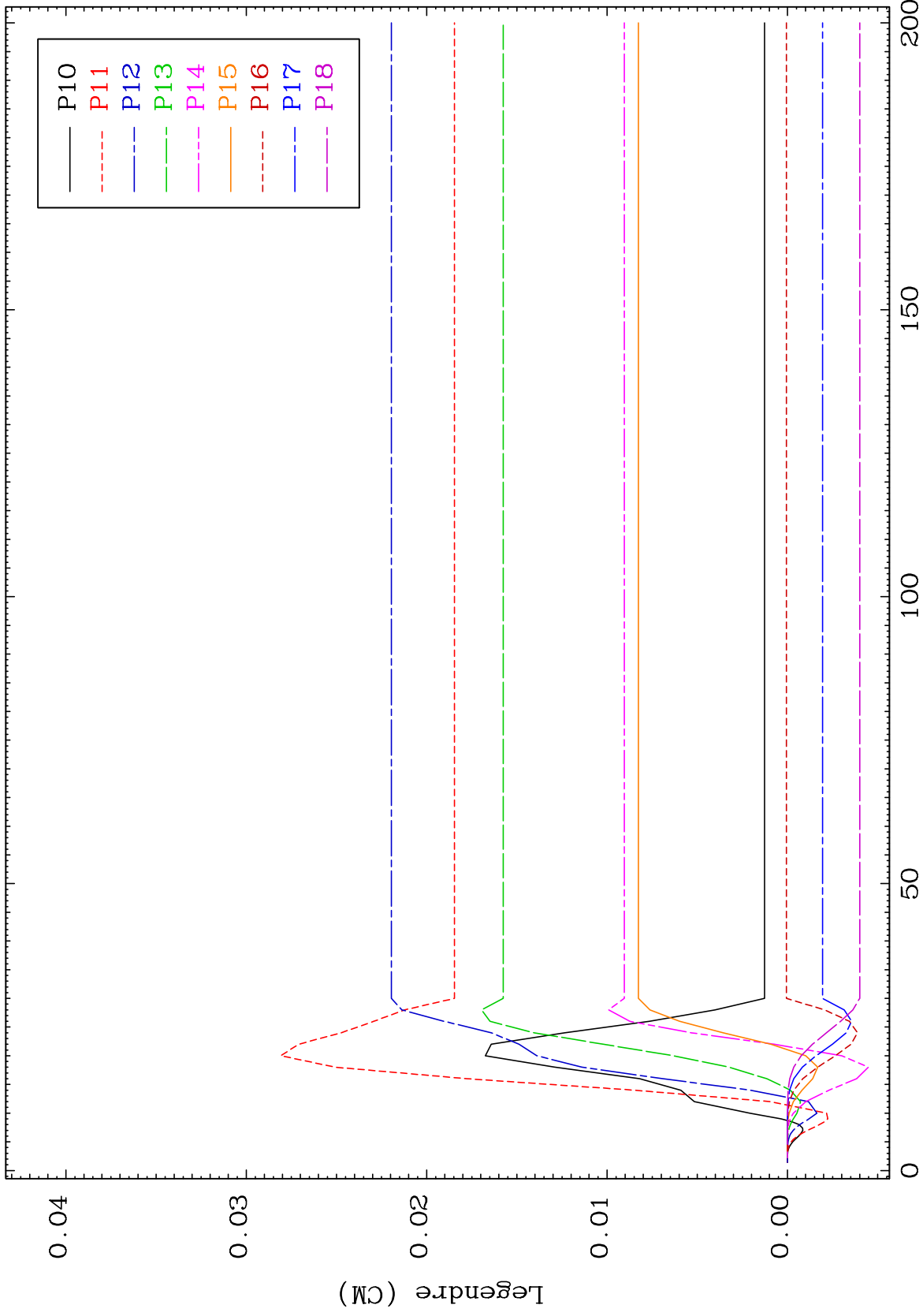
53-I -116

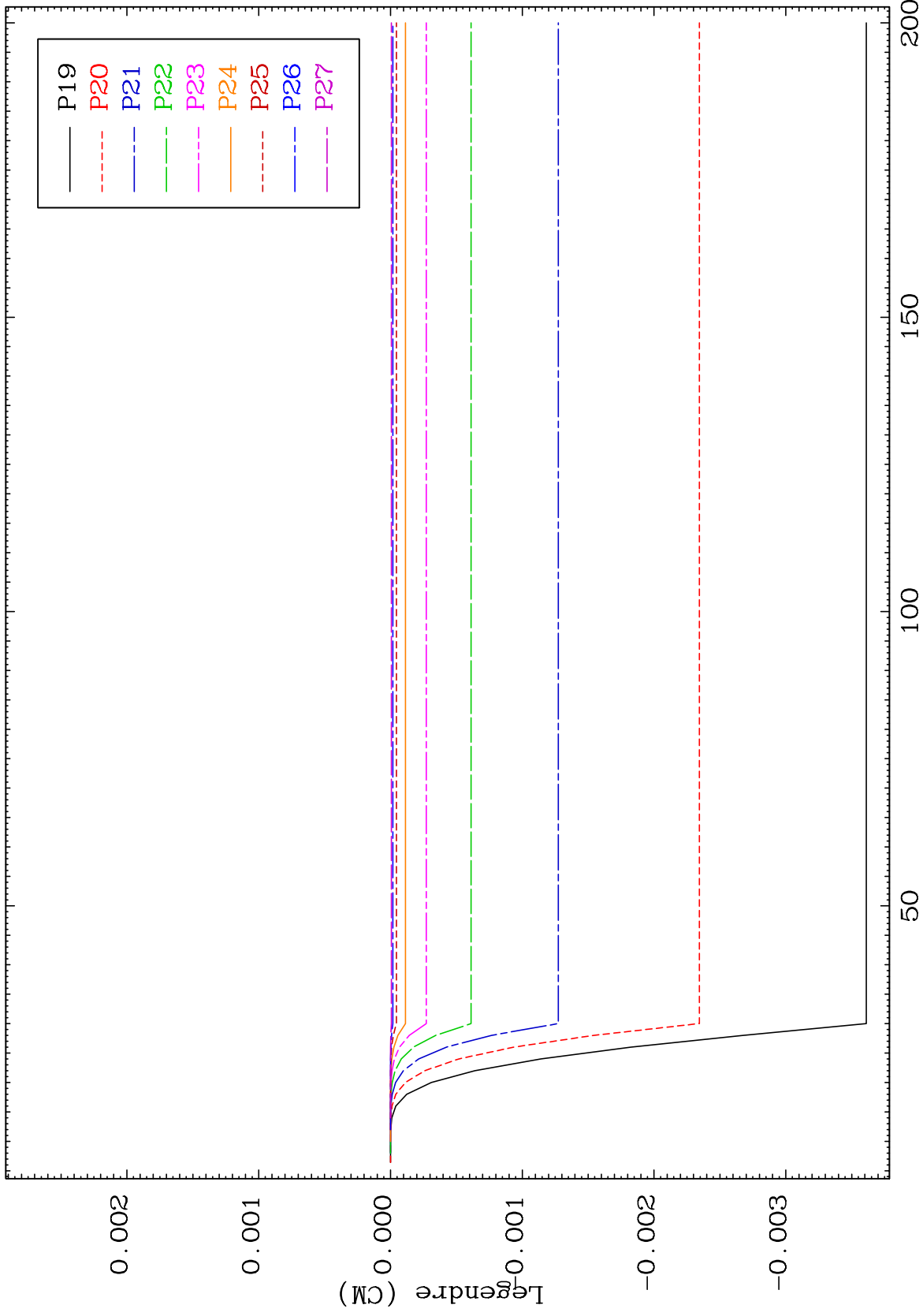


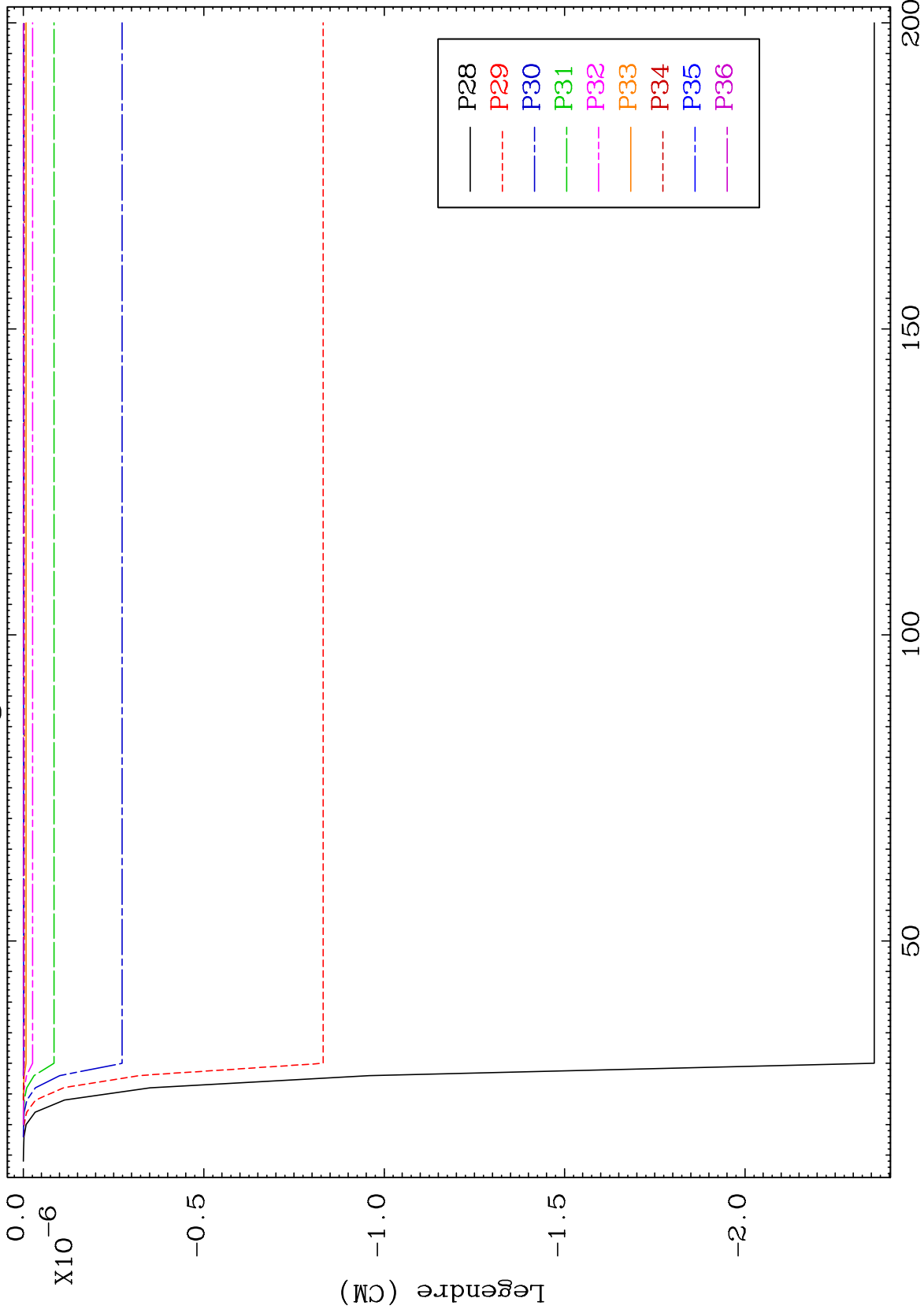
53-I -116

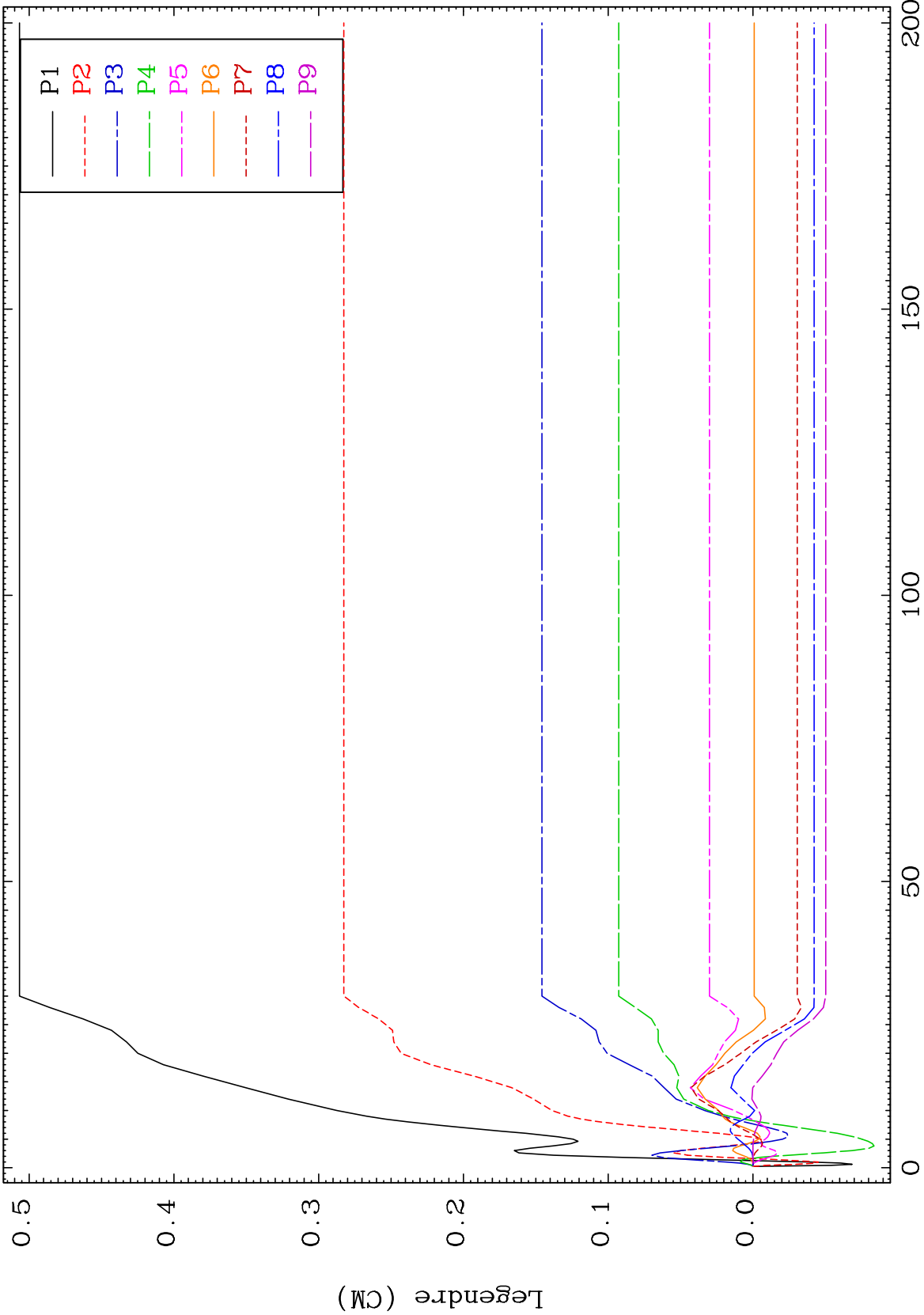
Incident Energy (MeV)

20





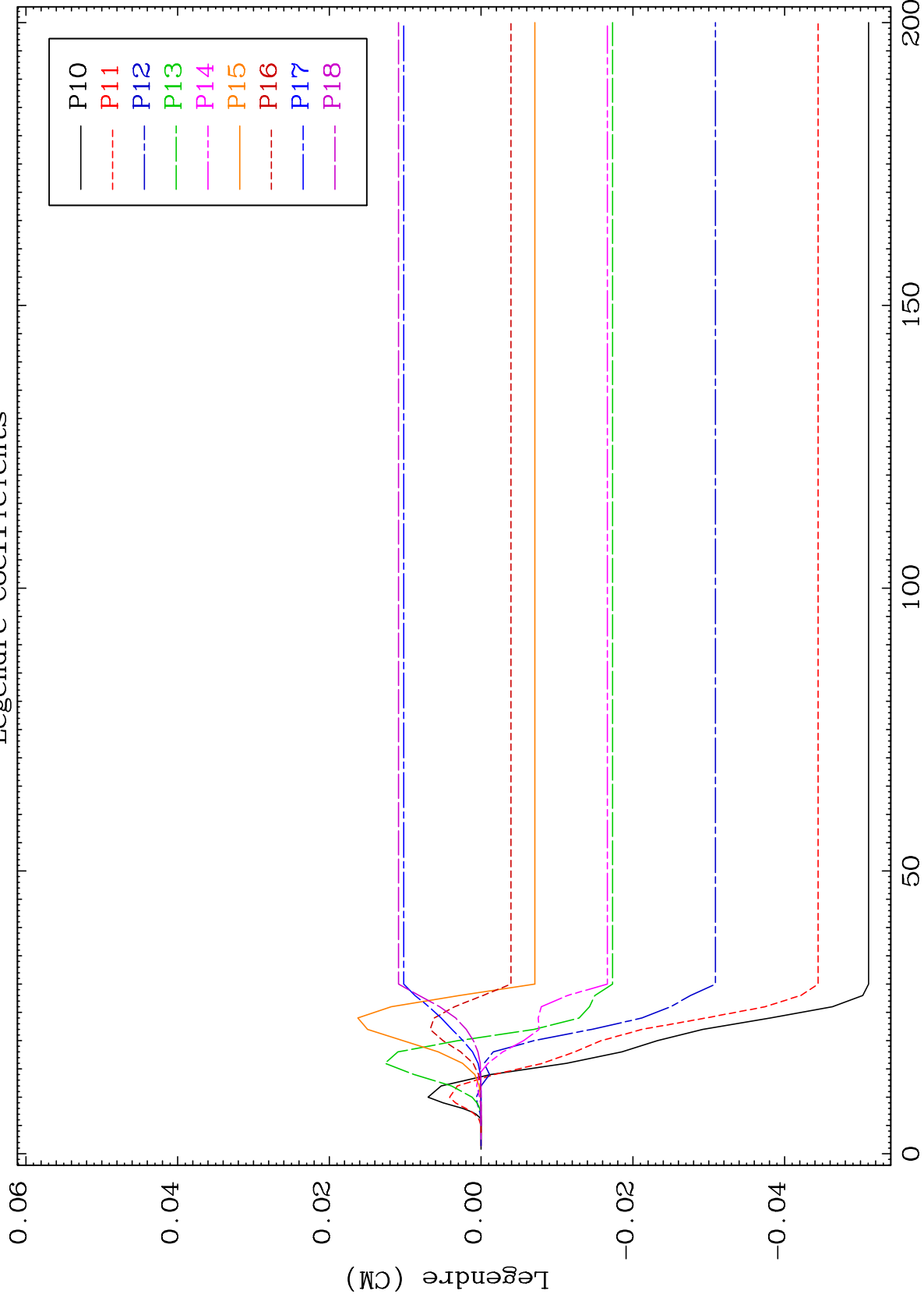




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MT= 52 (n,n') Level  
Legendre Coefficients

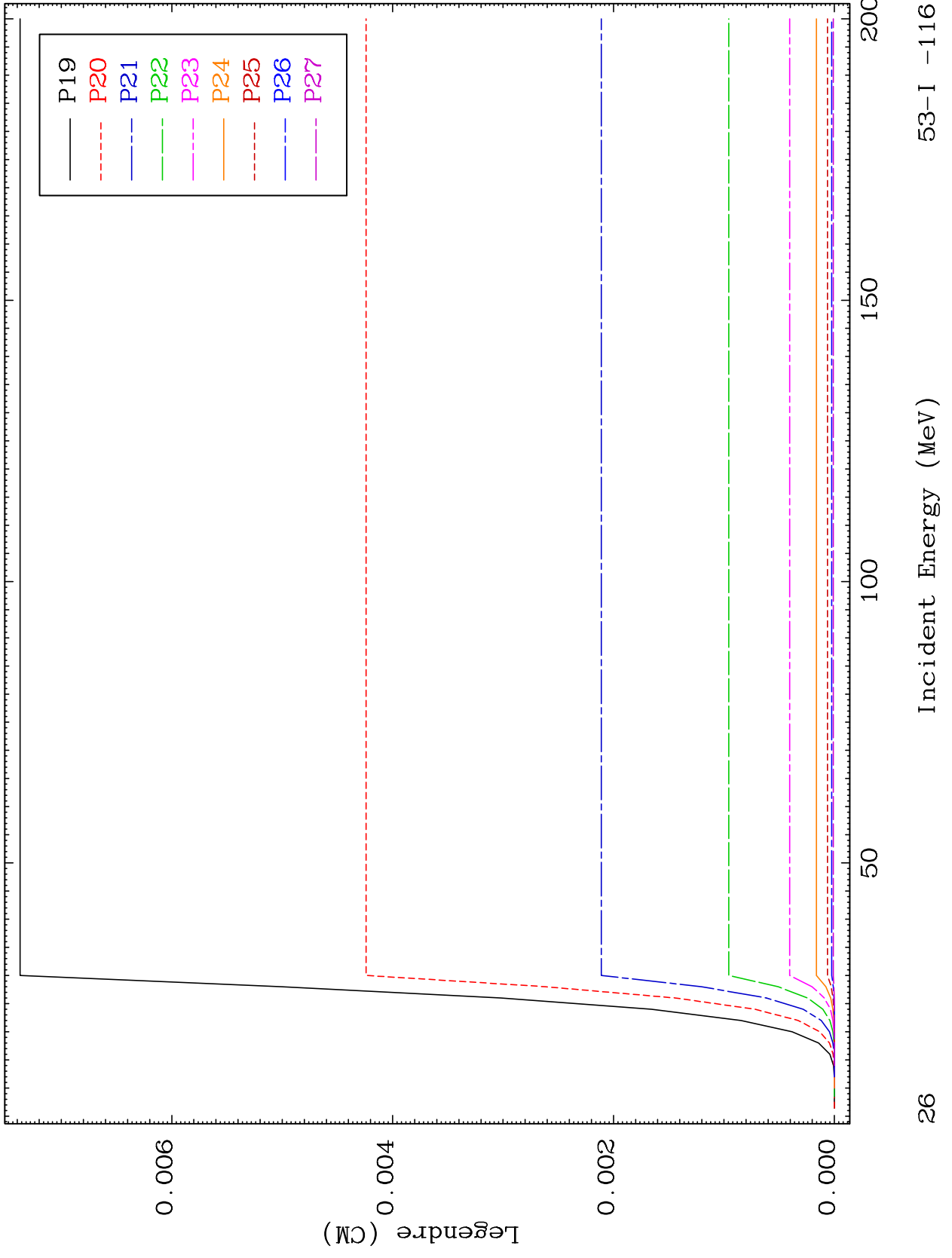
53-I -116

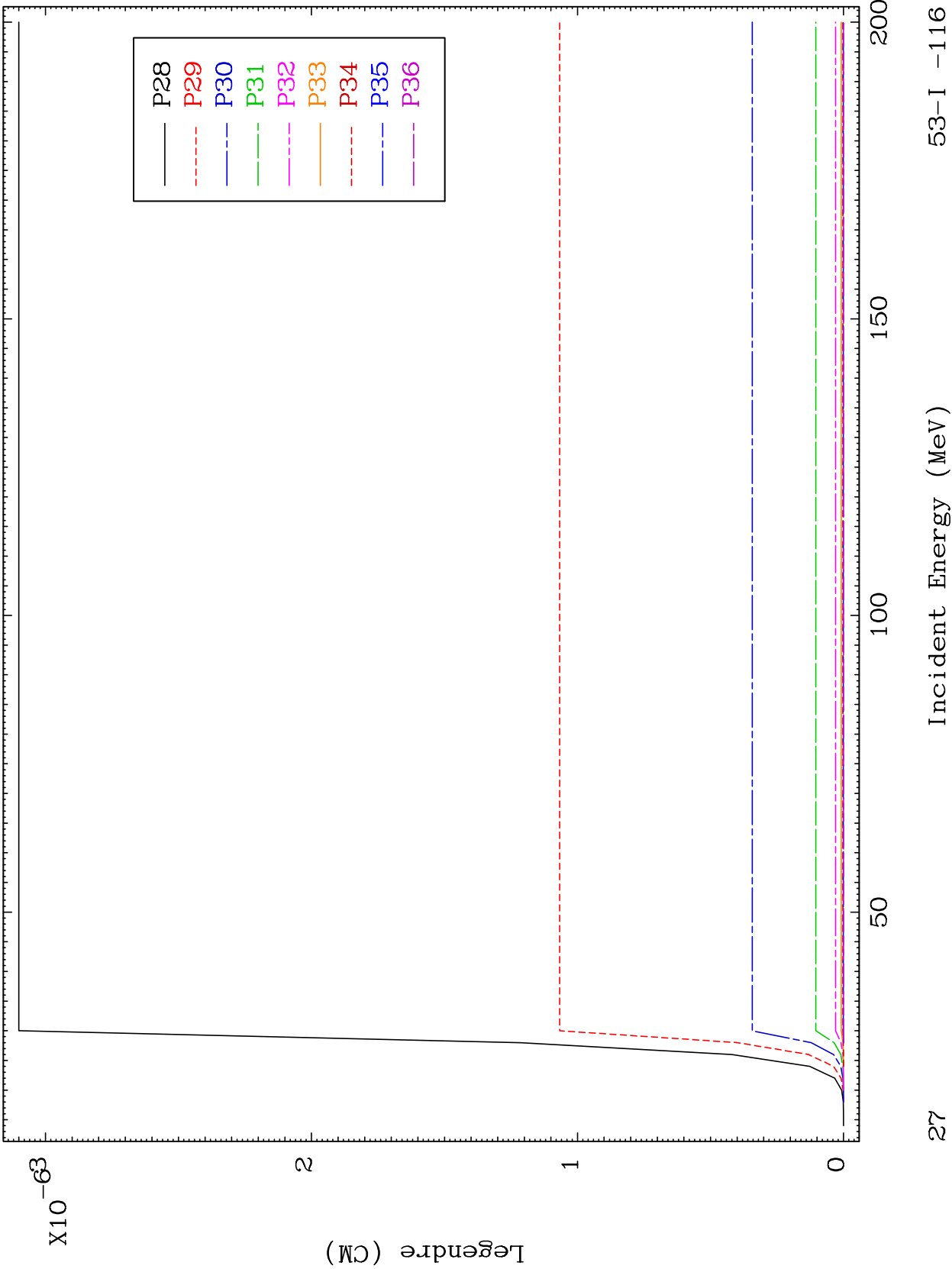


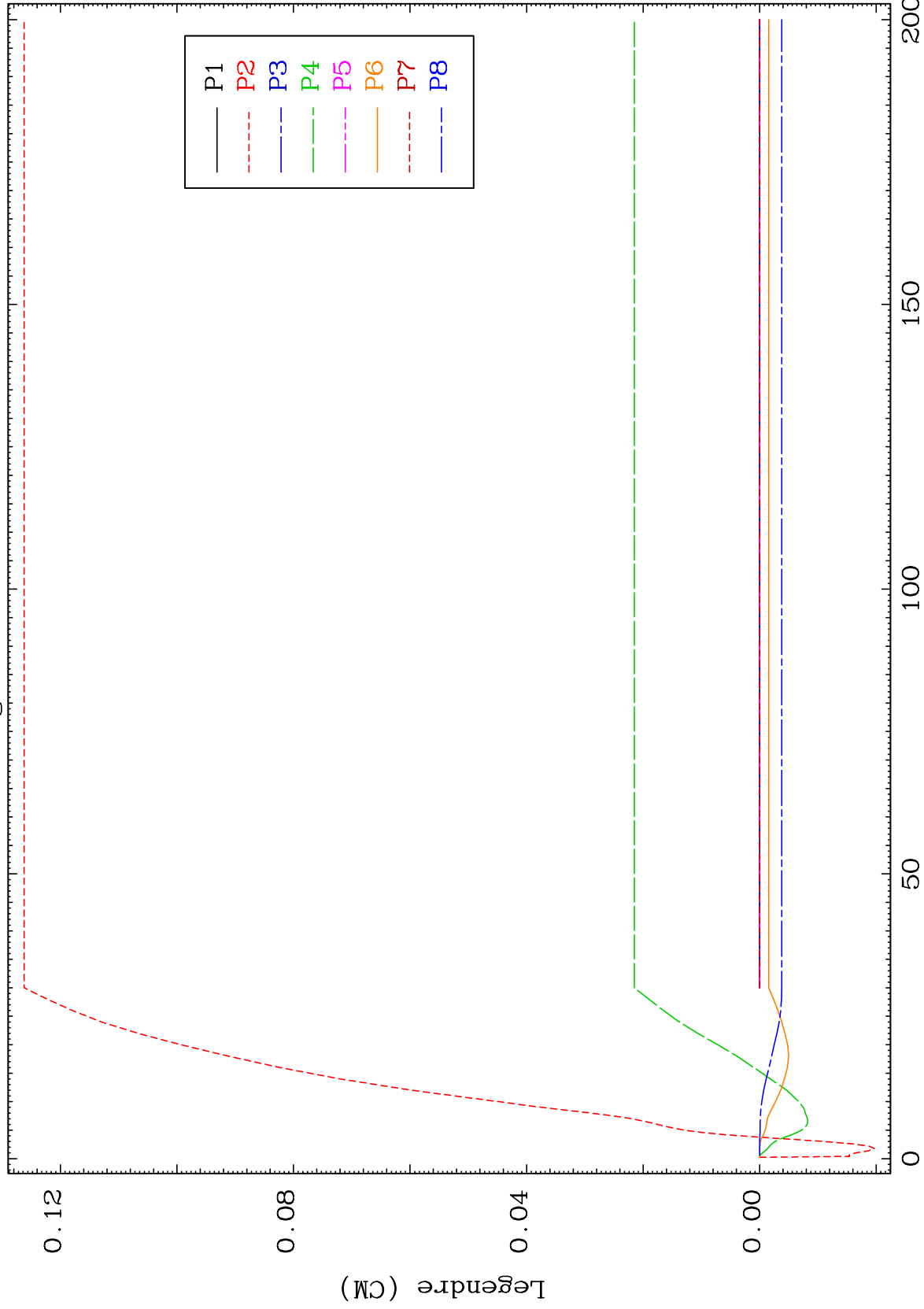
25

Incident Energy (MeV)

53-I -116



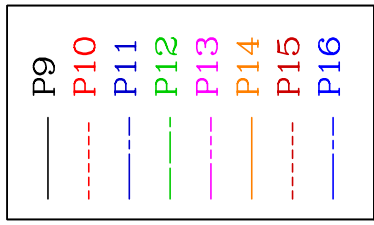
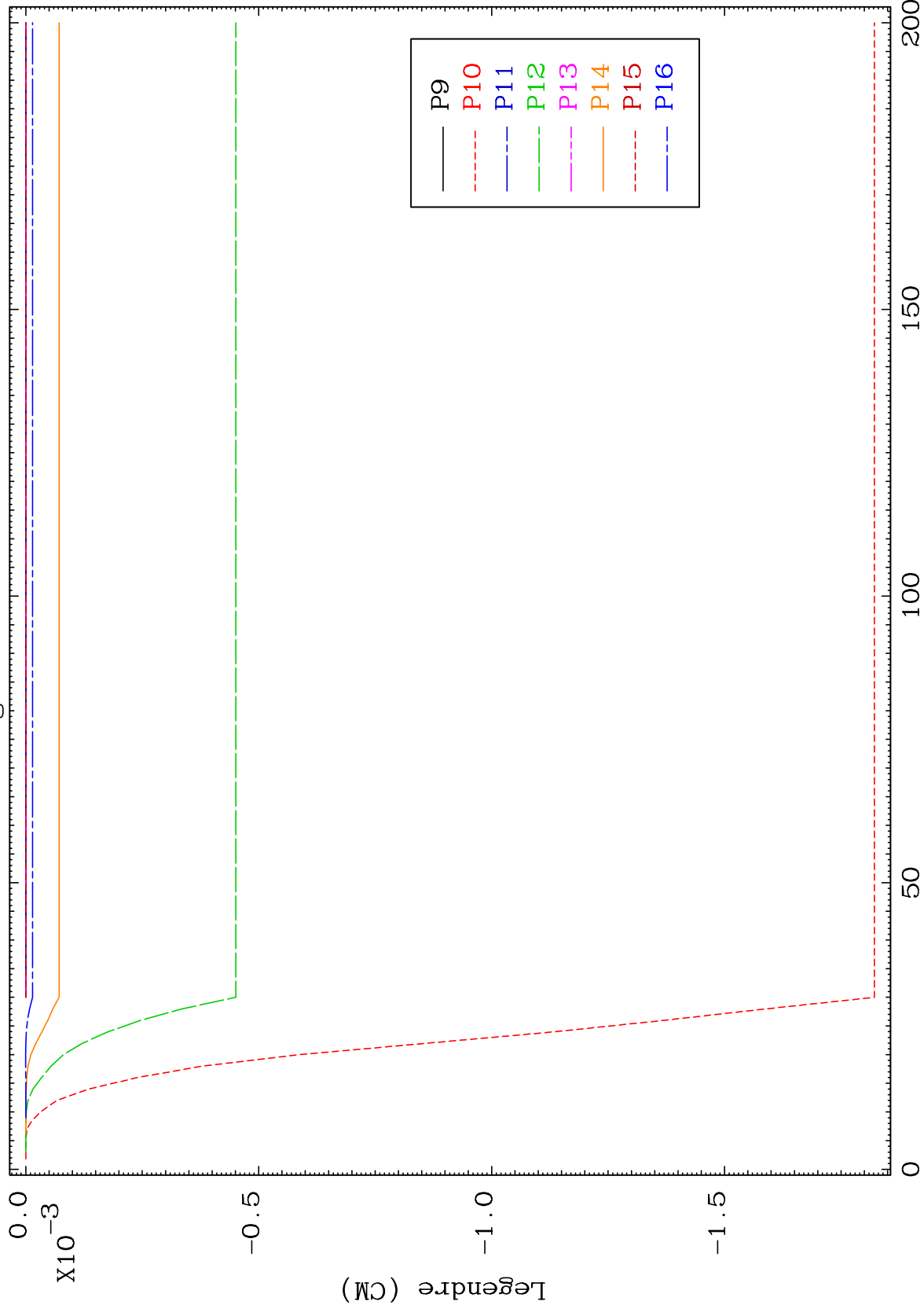




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MT= 53 (n,n') Level  
Legendre Coefficients

53-I -116



29

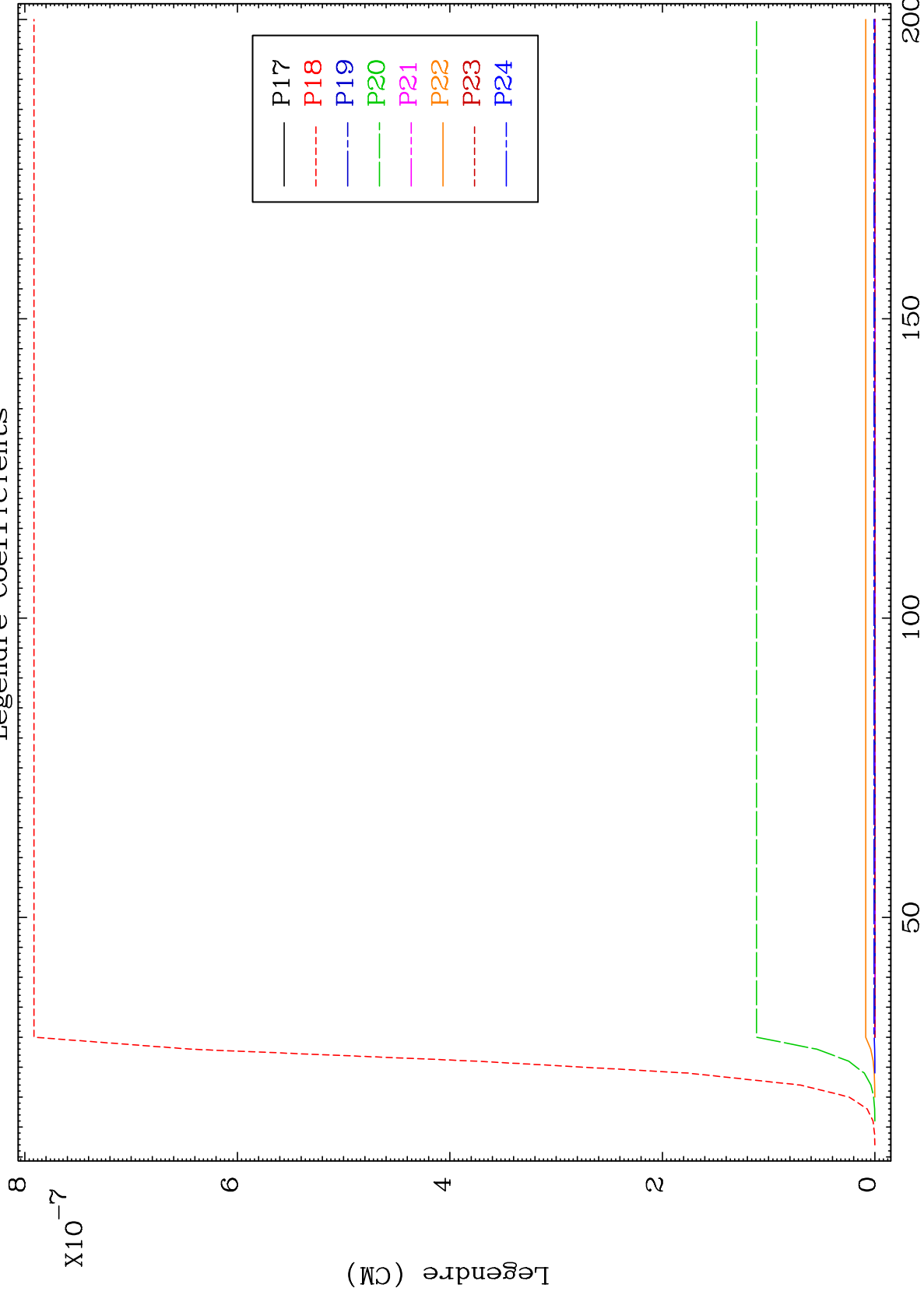
Incident Energy (MeV)

53-I -116

MAT 5292

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

53-I -116



53-I -116

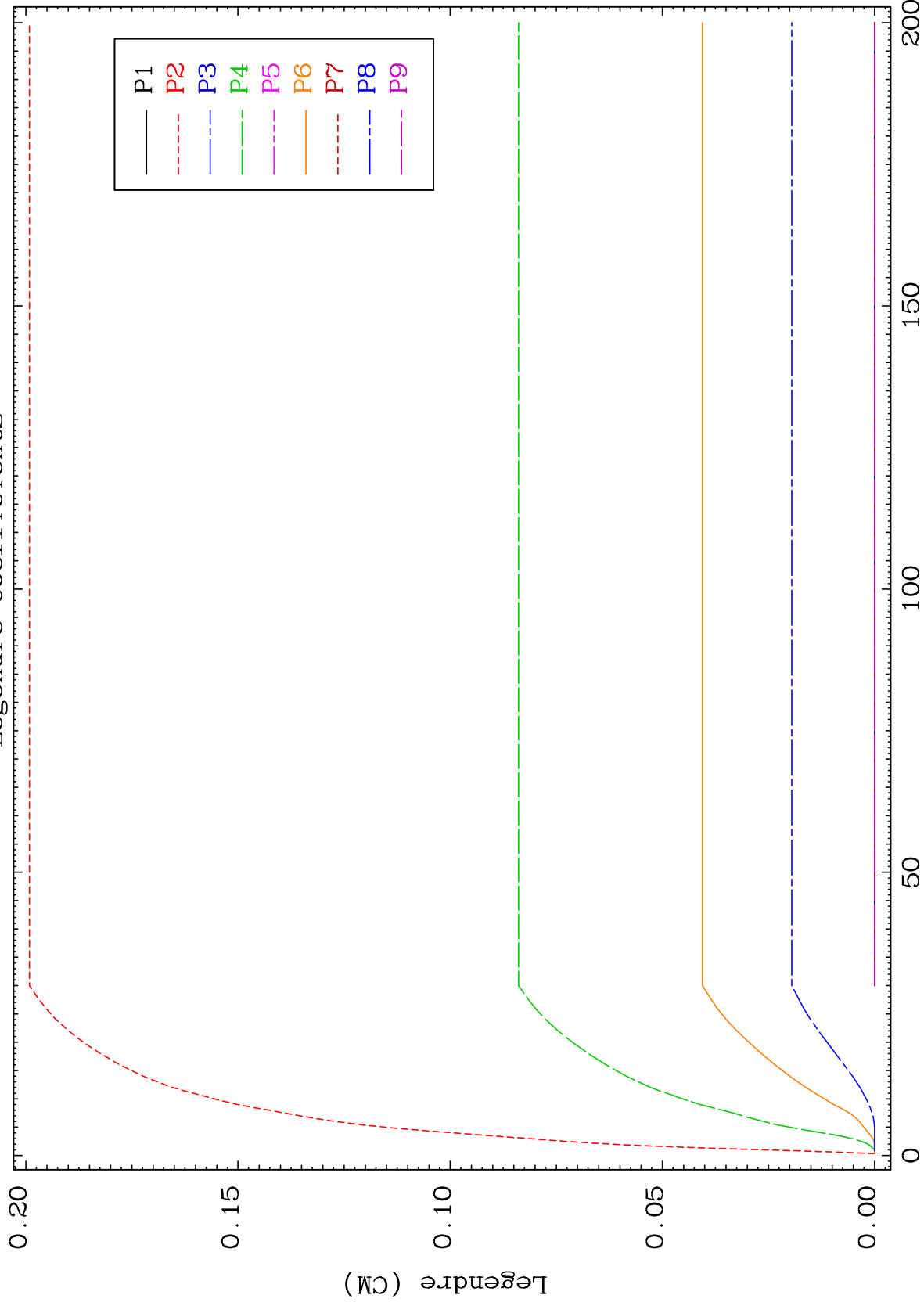
Incident Energy (MeV)

30

MAT 5292

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

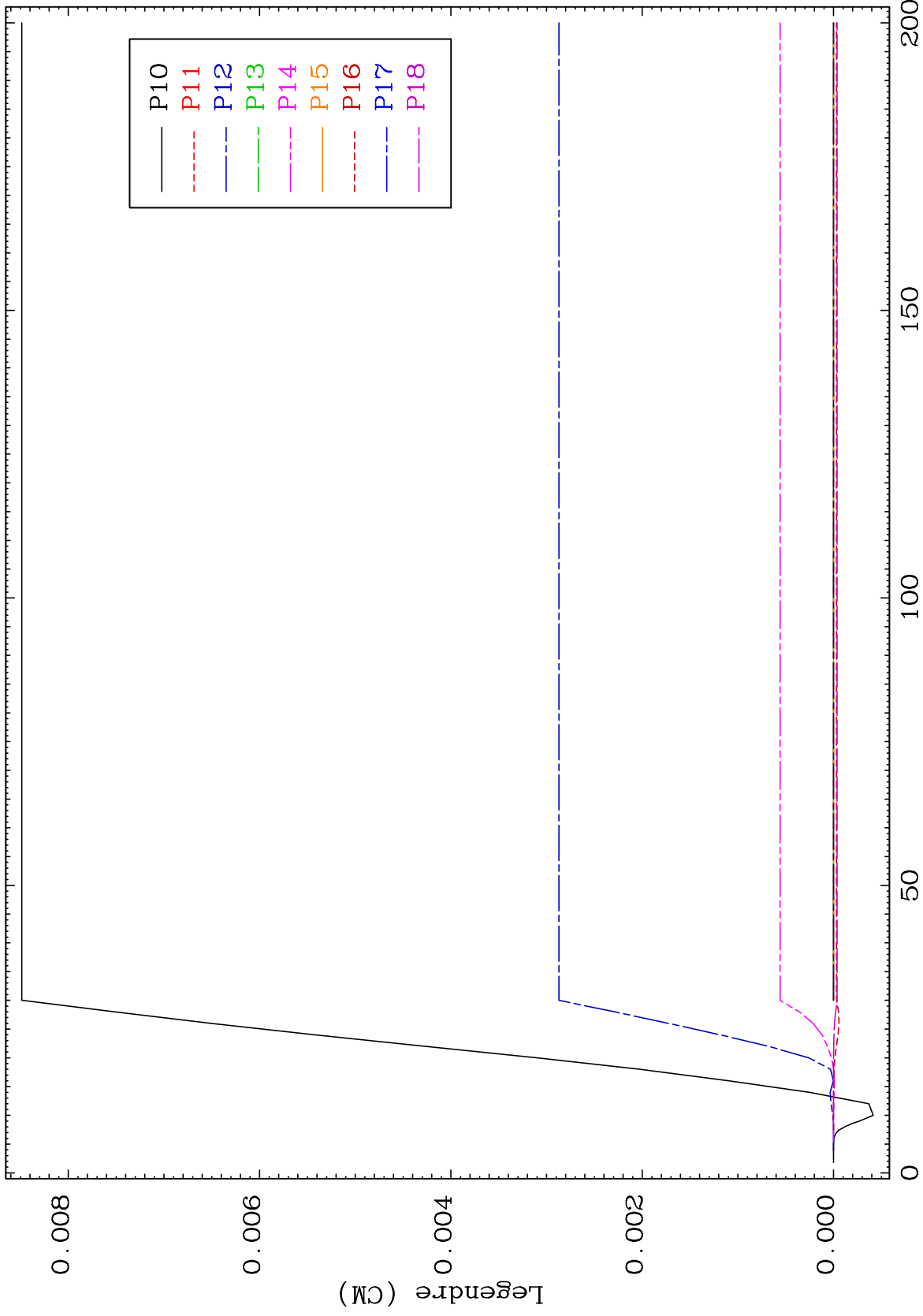
53-I -116

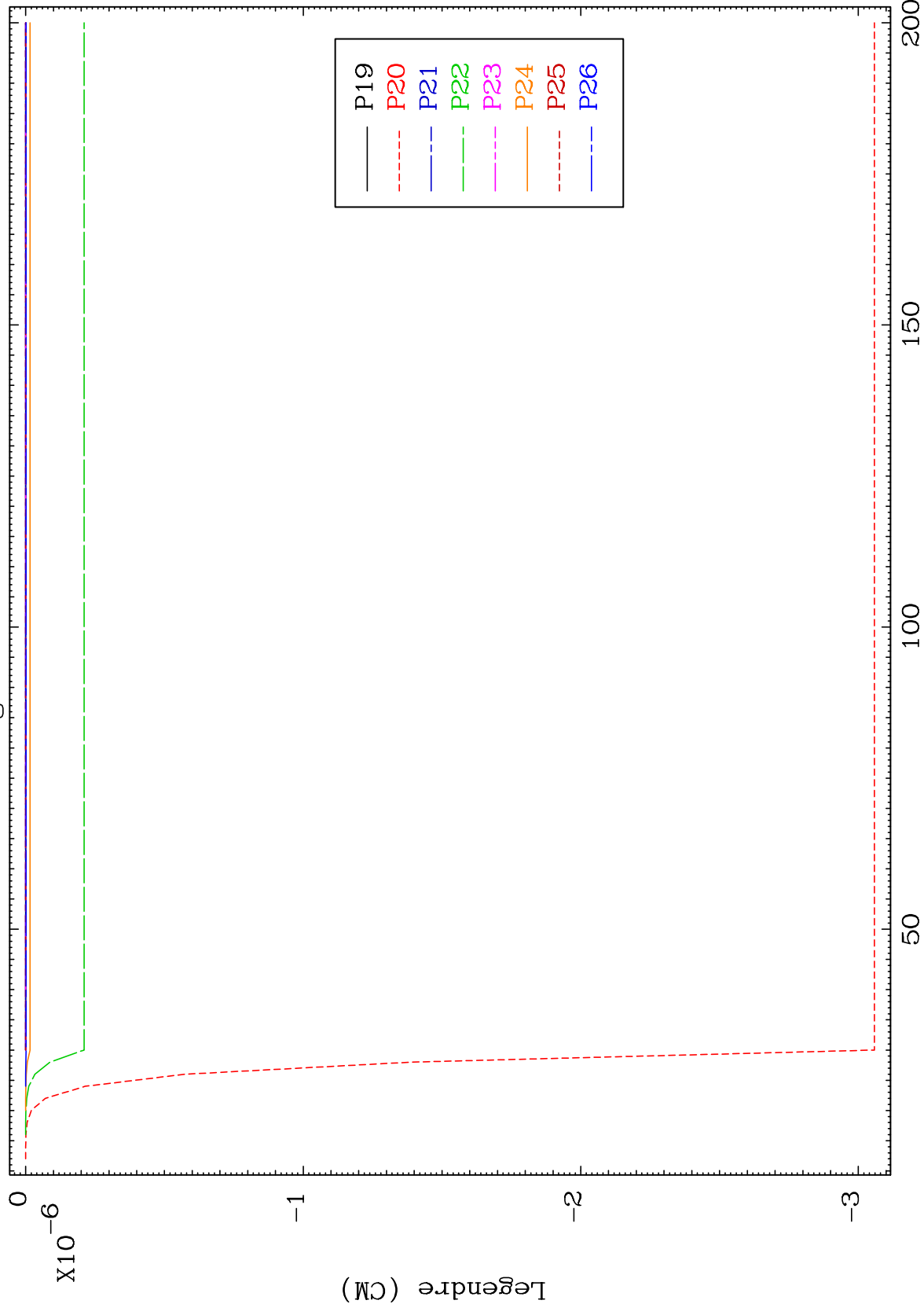


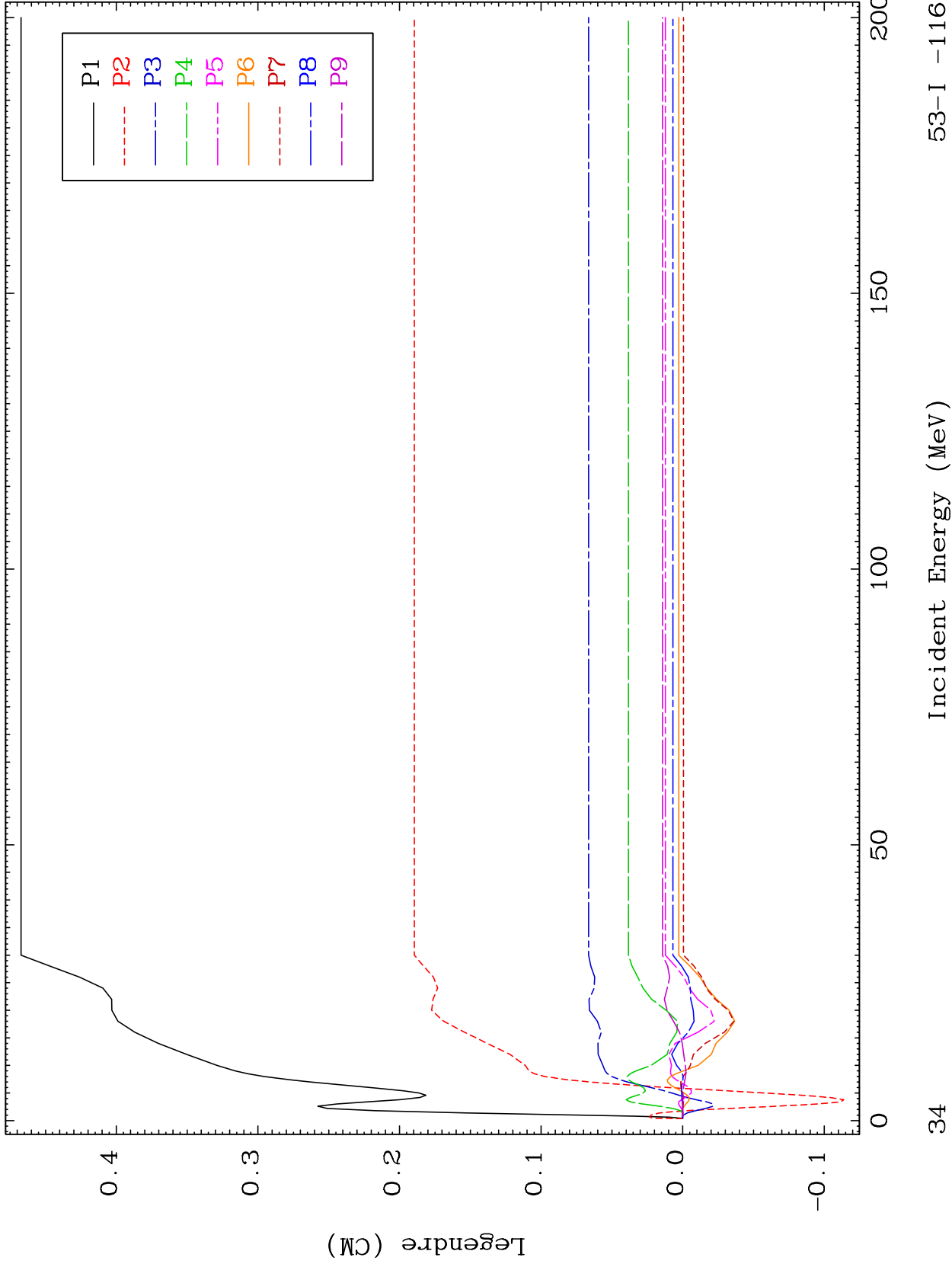
31

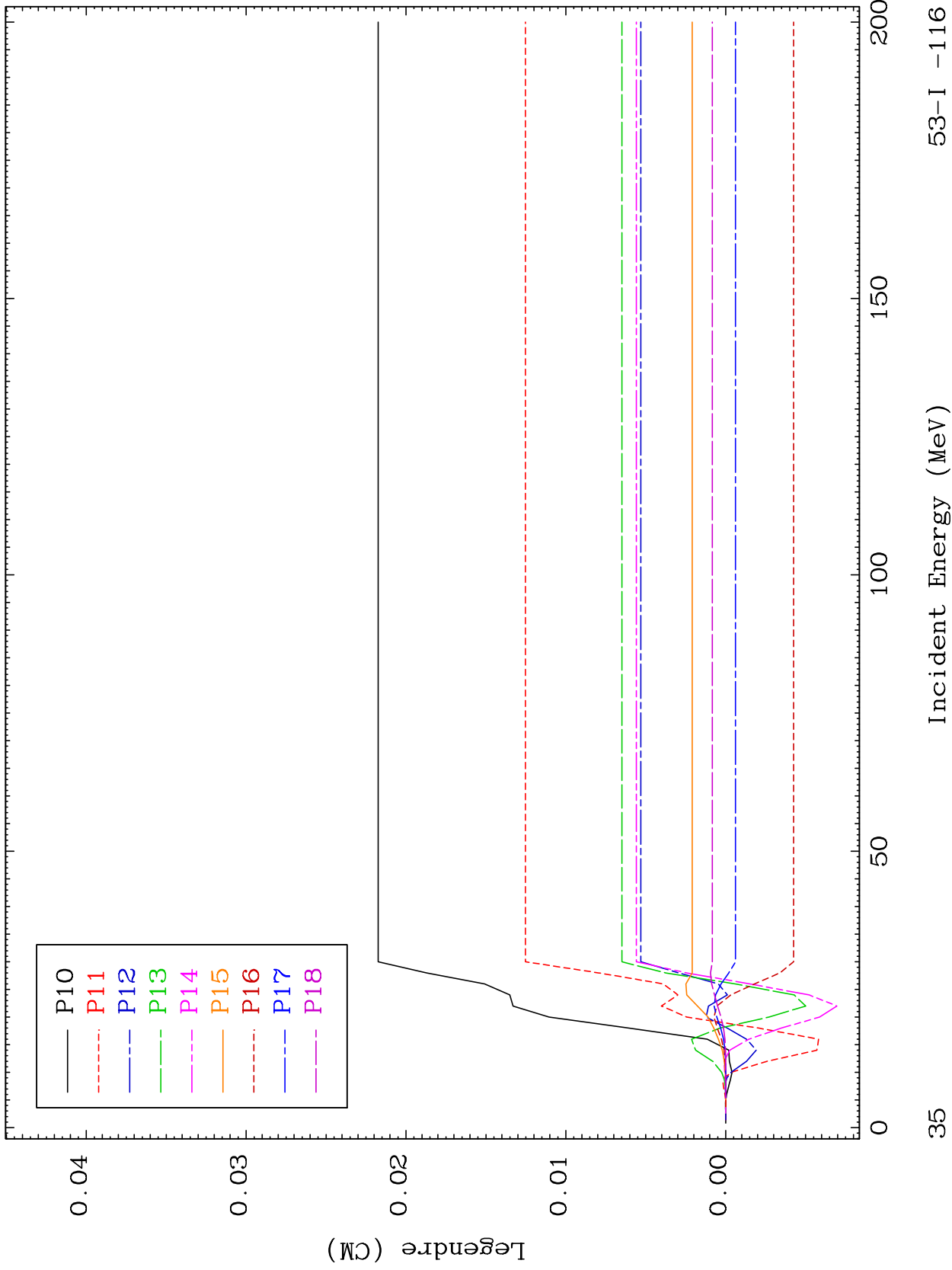
Incident Energy (MeV)

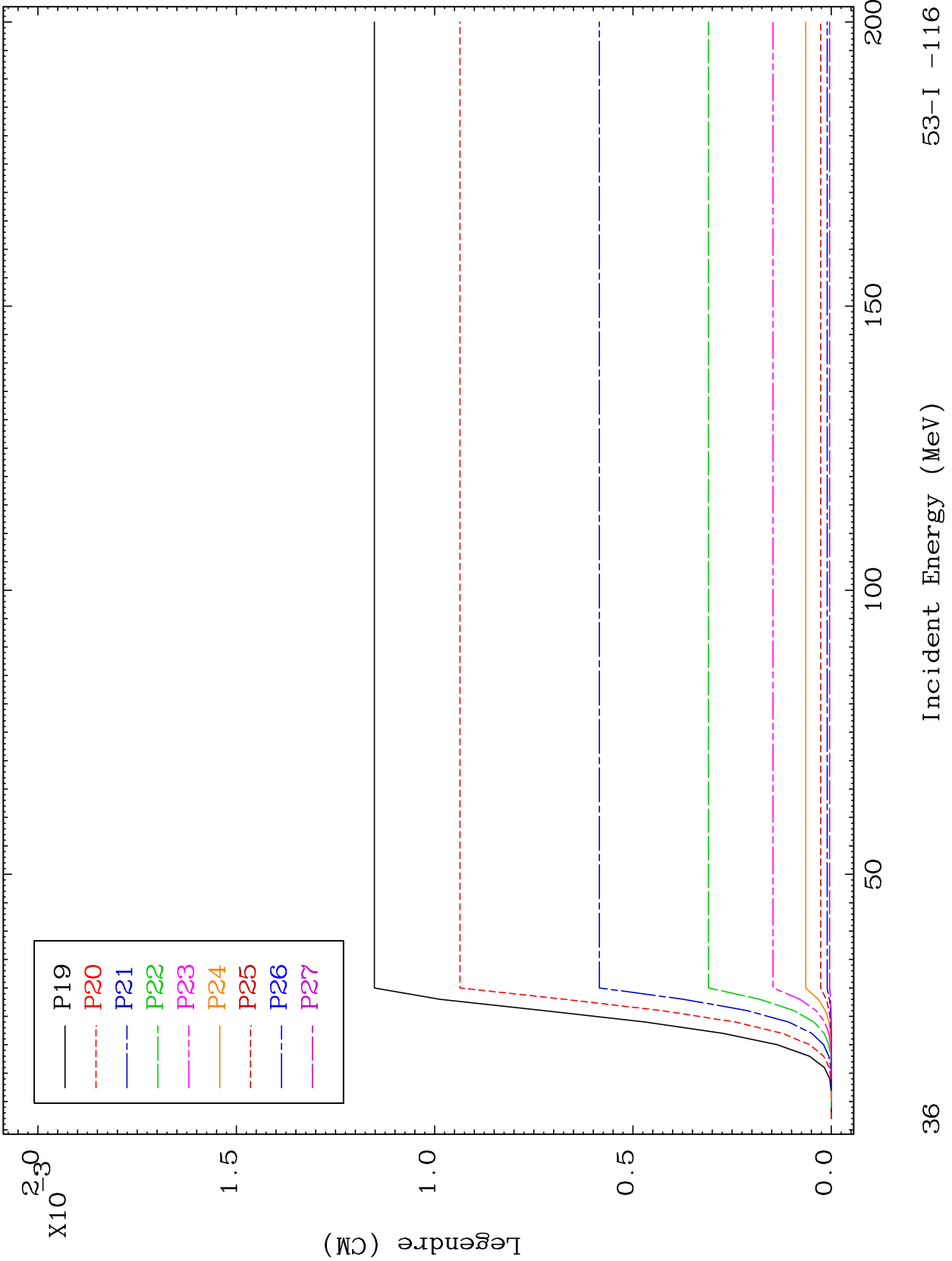
53-I -116

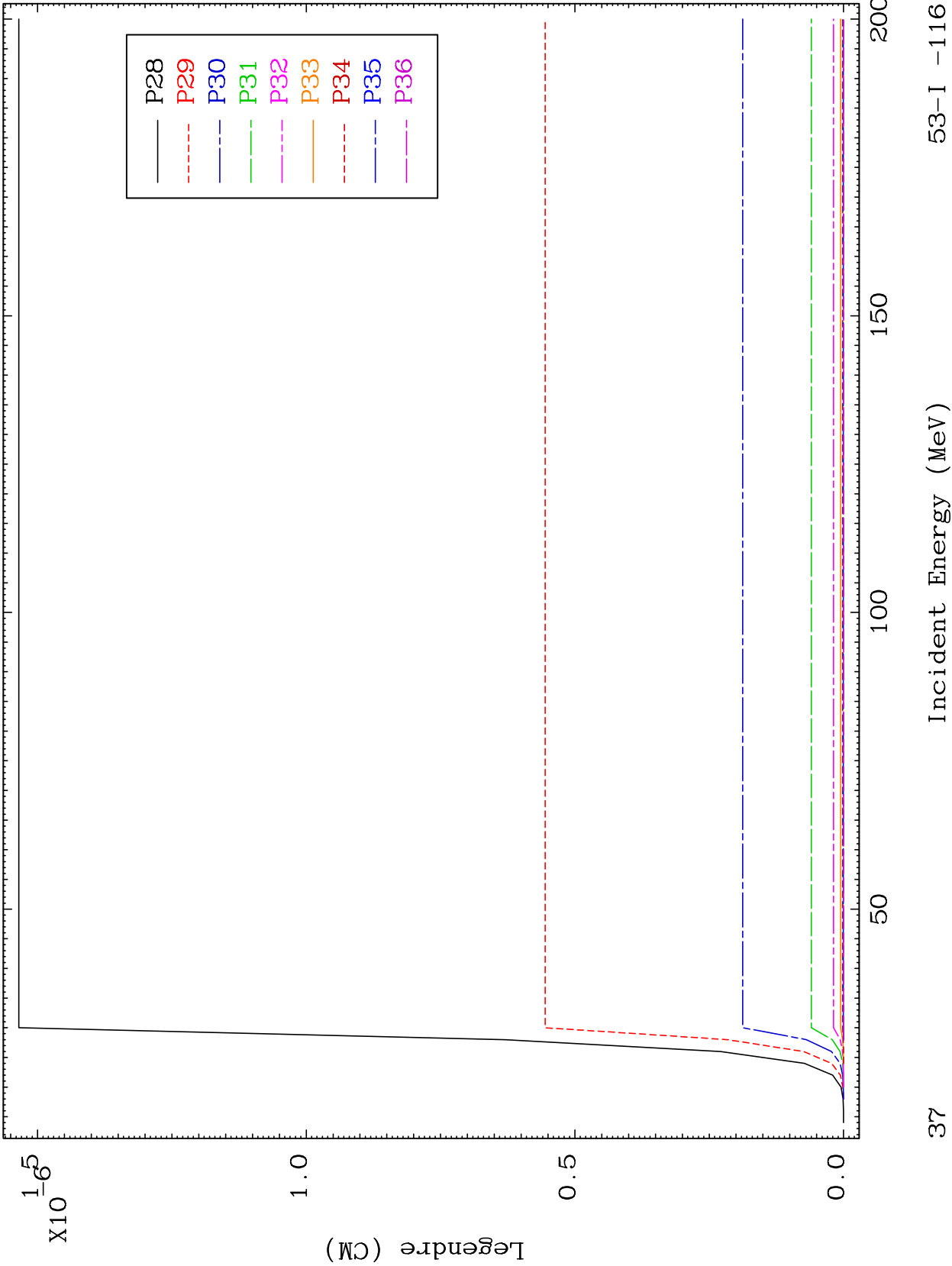








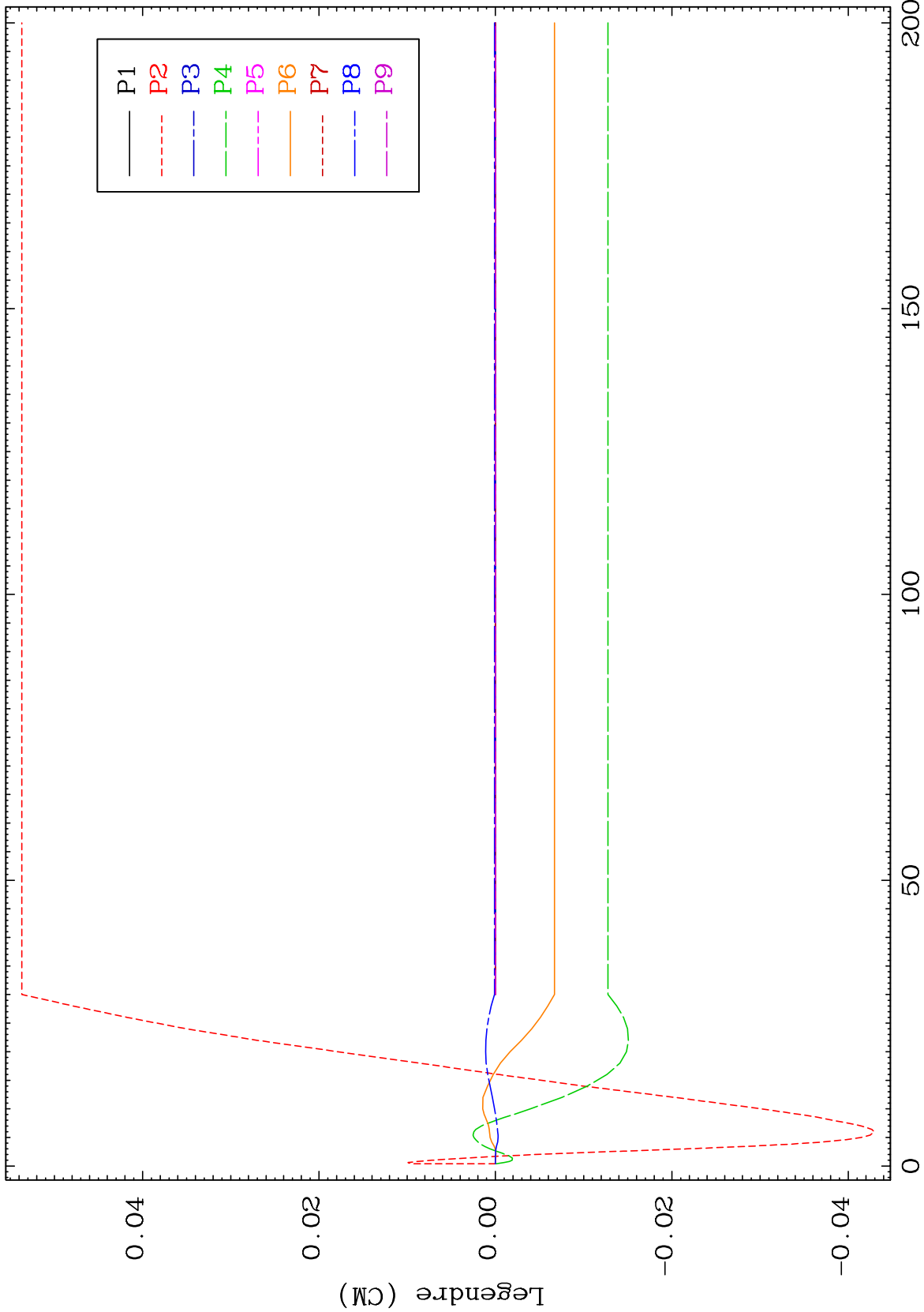




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MT= 56 (n,n') Level  
Legendre Coefficients

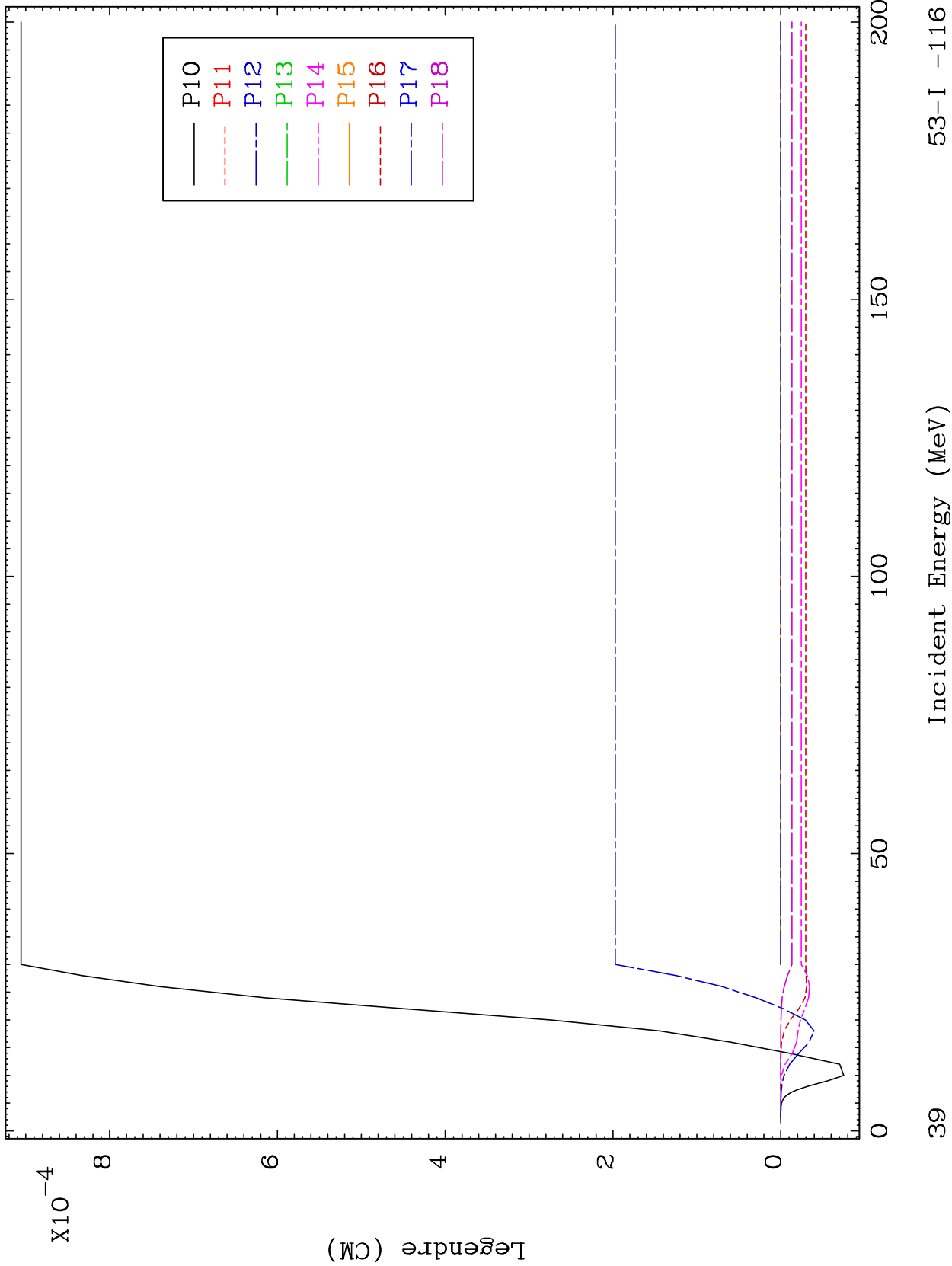
53-I -116



53-I -116

Incident Energy (MeV)

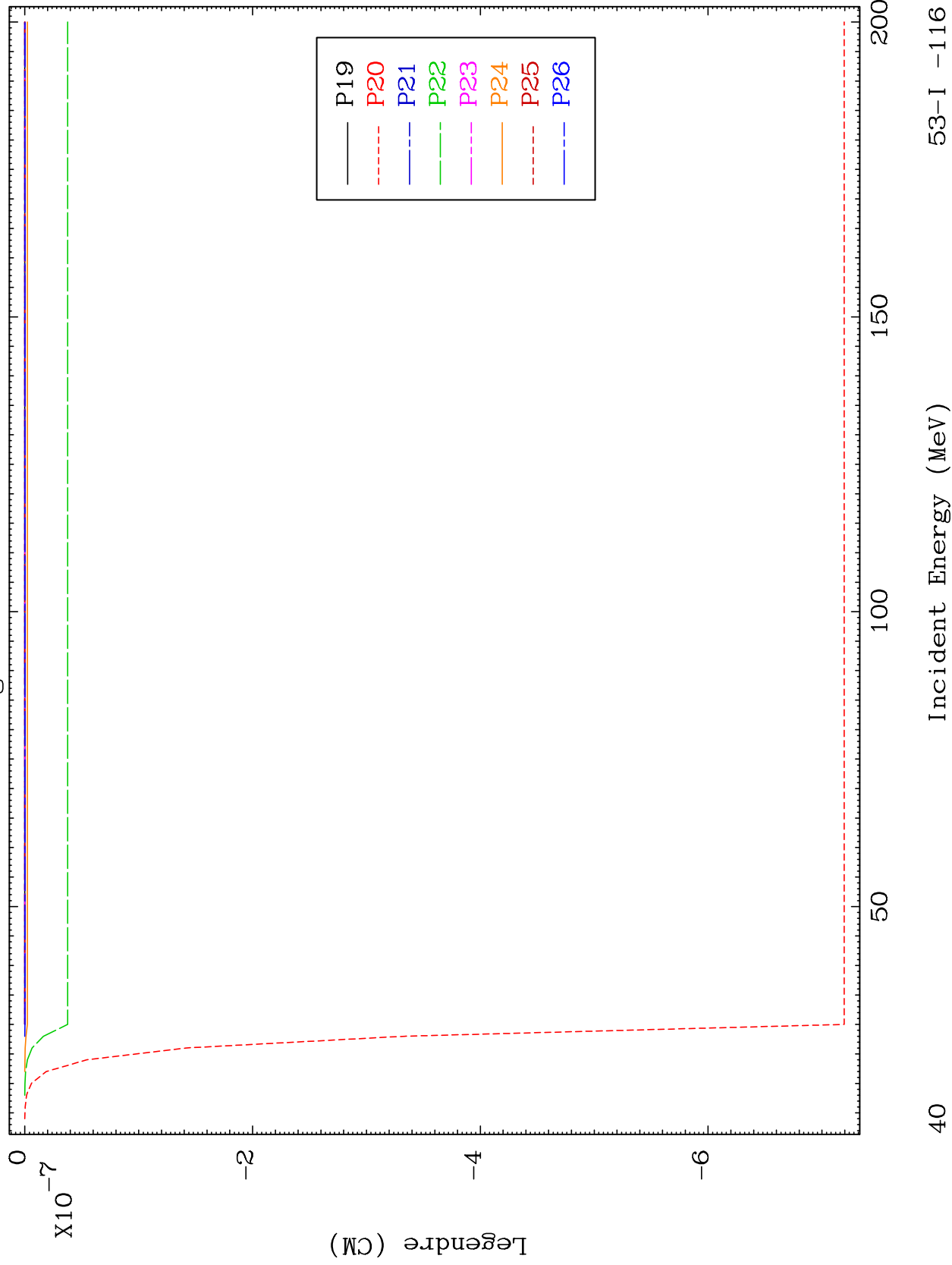
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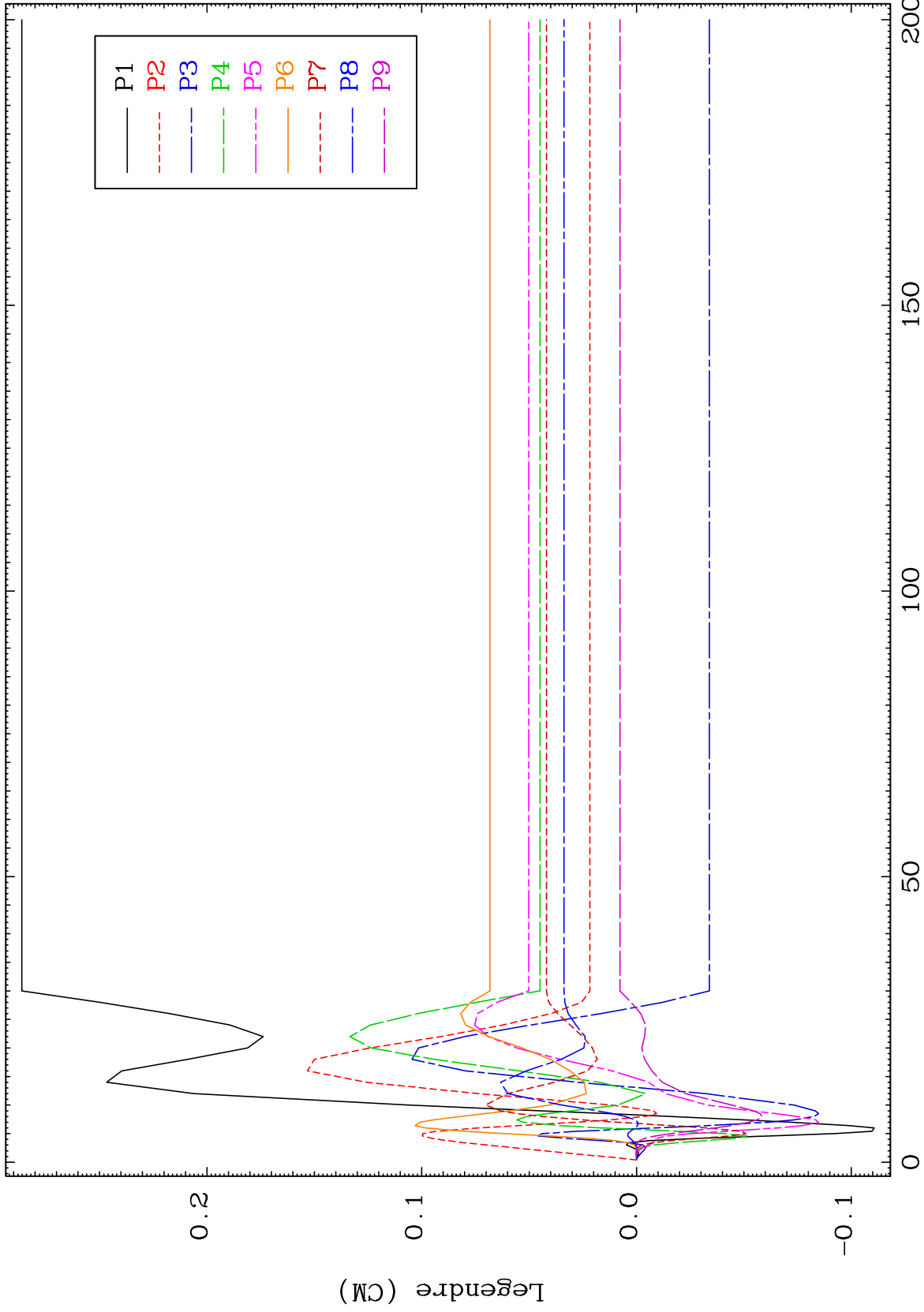


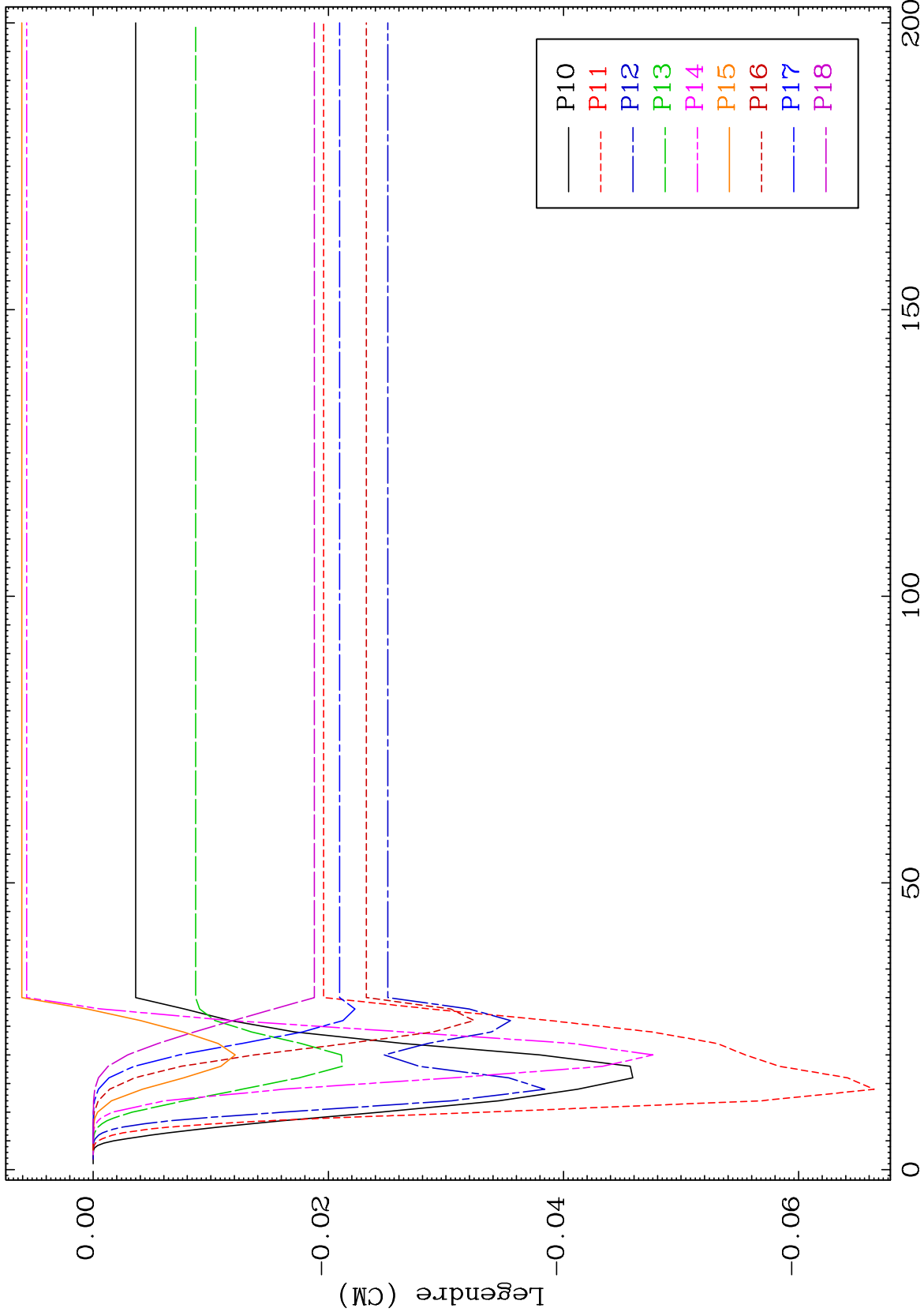
MAT 5292

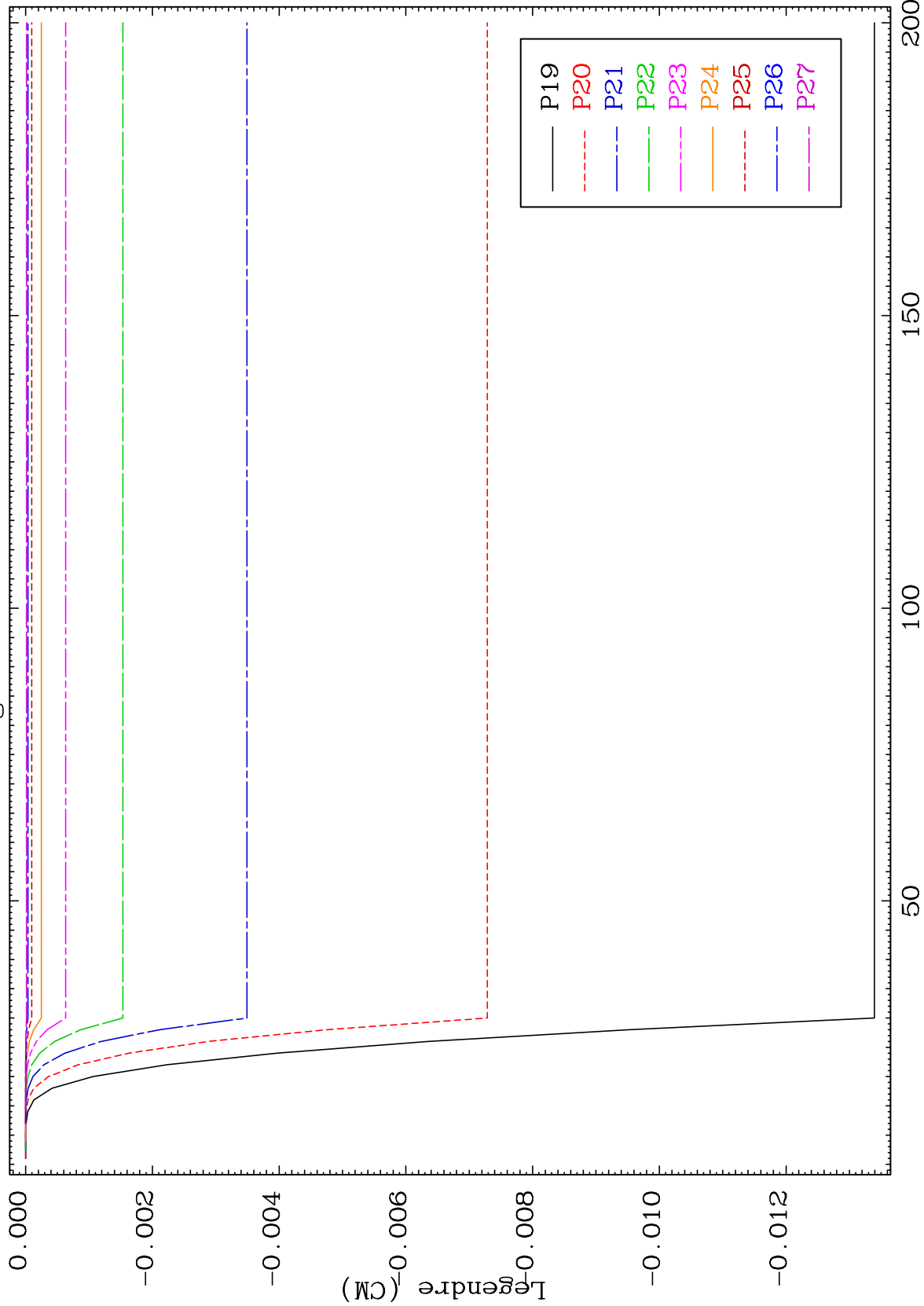
MT= 56 (n,n') Level  
Legendre Coefficients

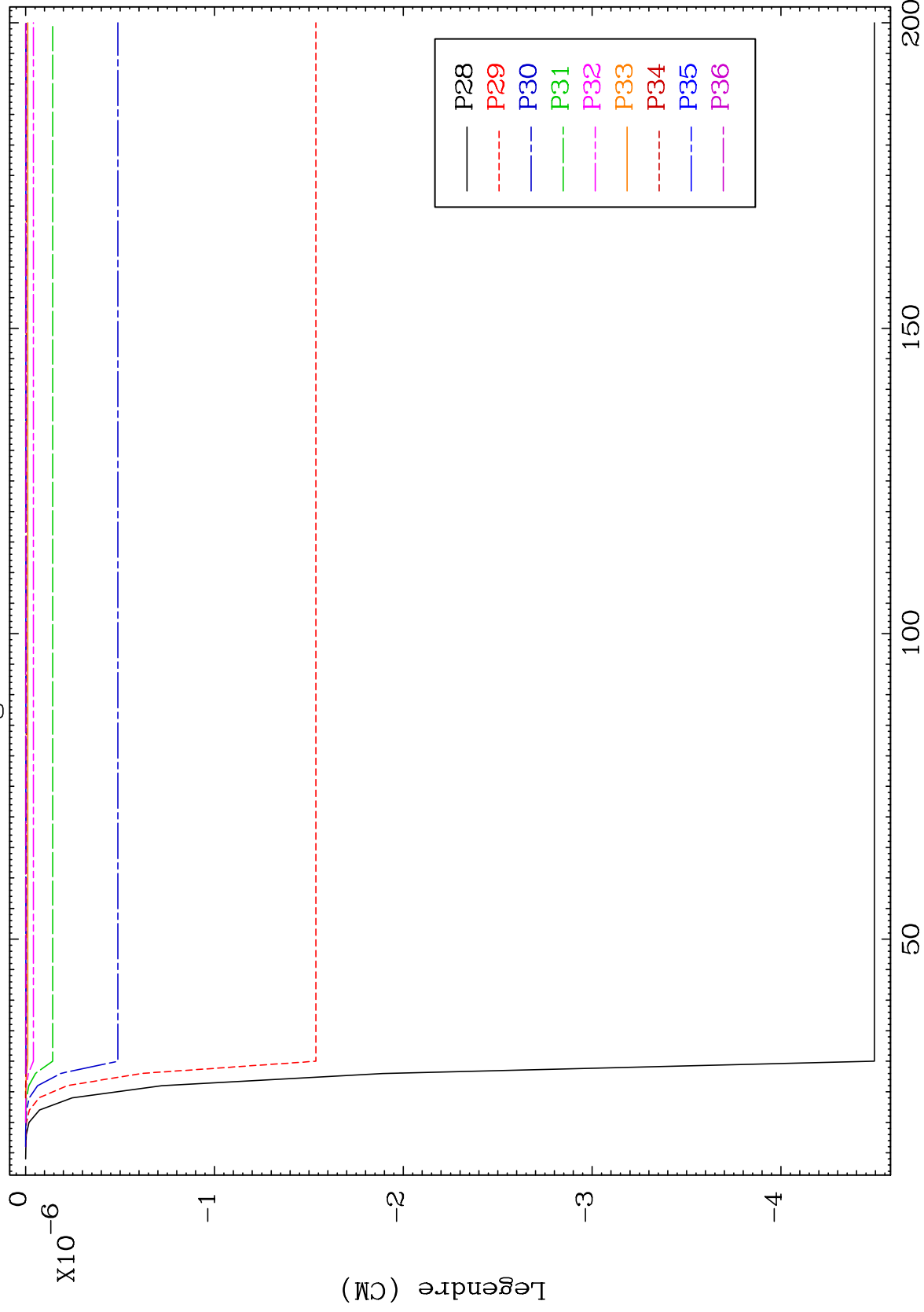
53-I -116









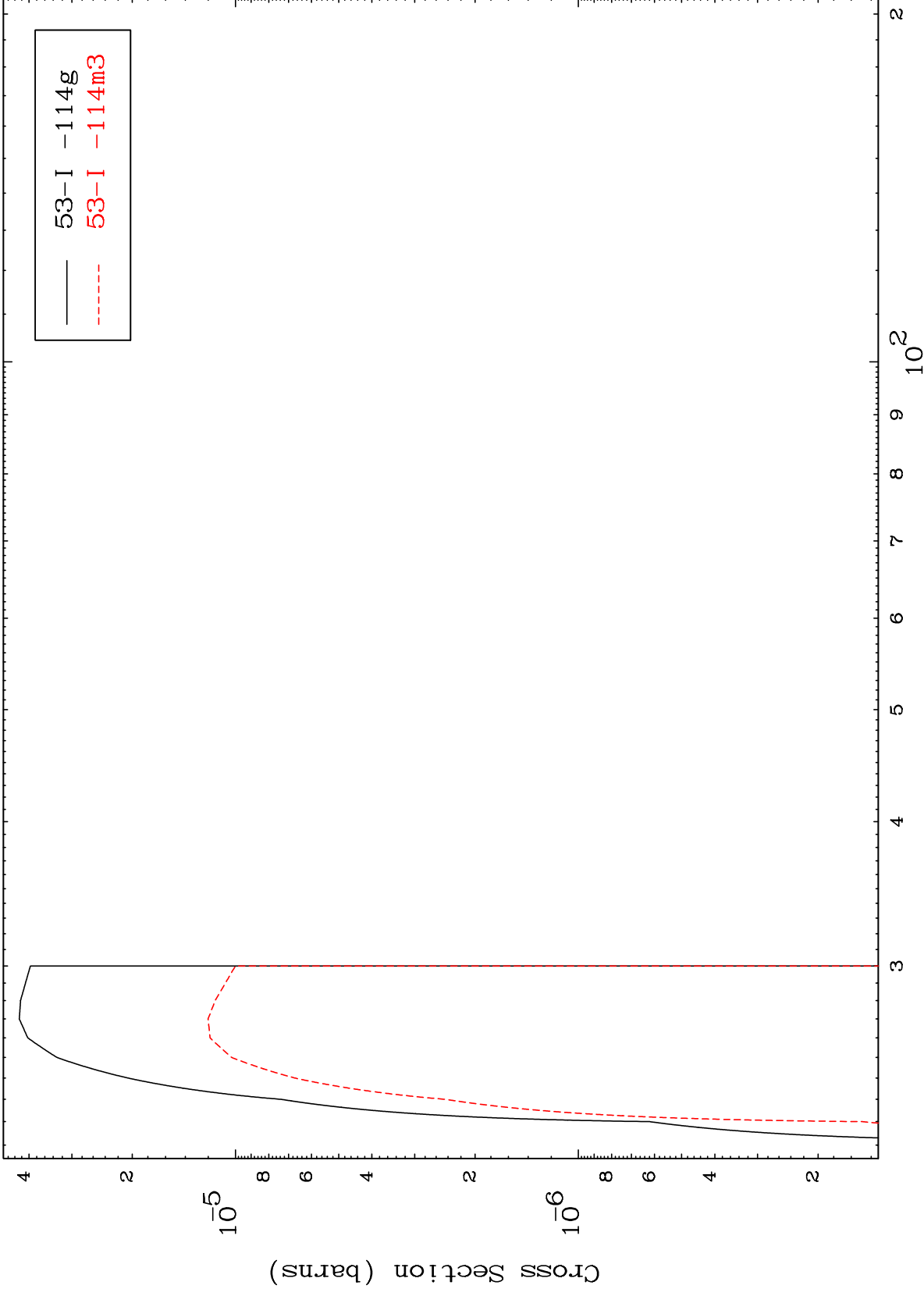


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(n,3n)

53-I -116

Radionuclide Production Cross Section

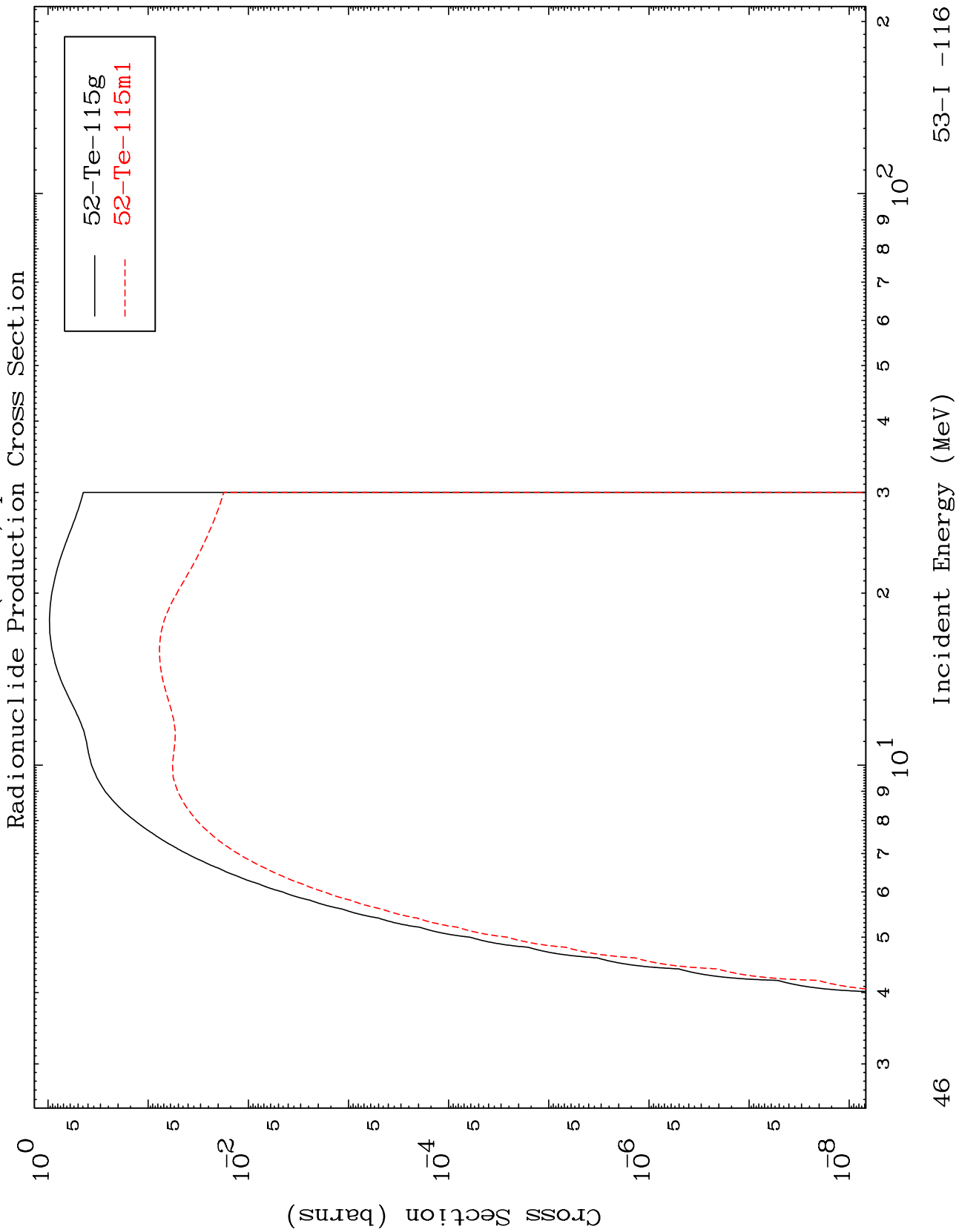


53-I -114g  
53-I -114m3

45

Incident Energy (MeV)

53-I -116

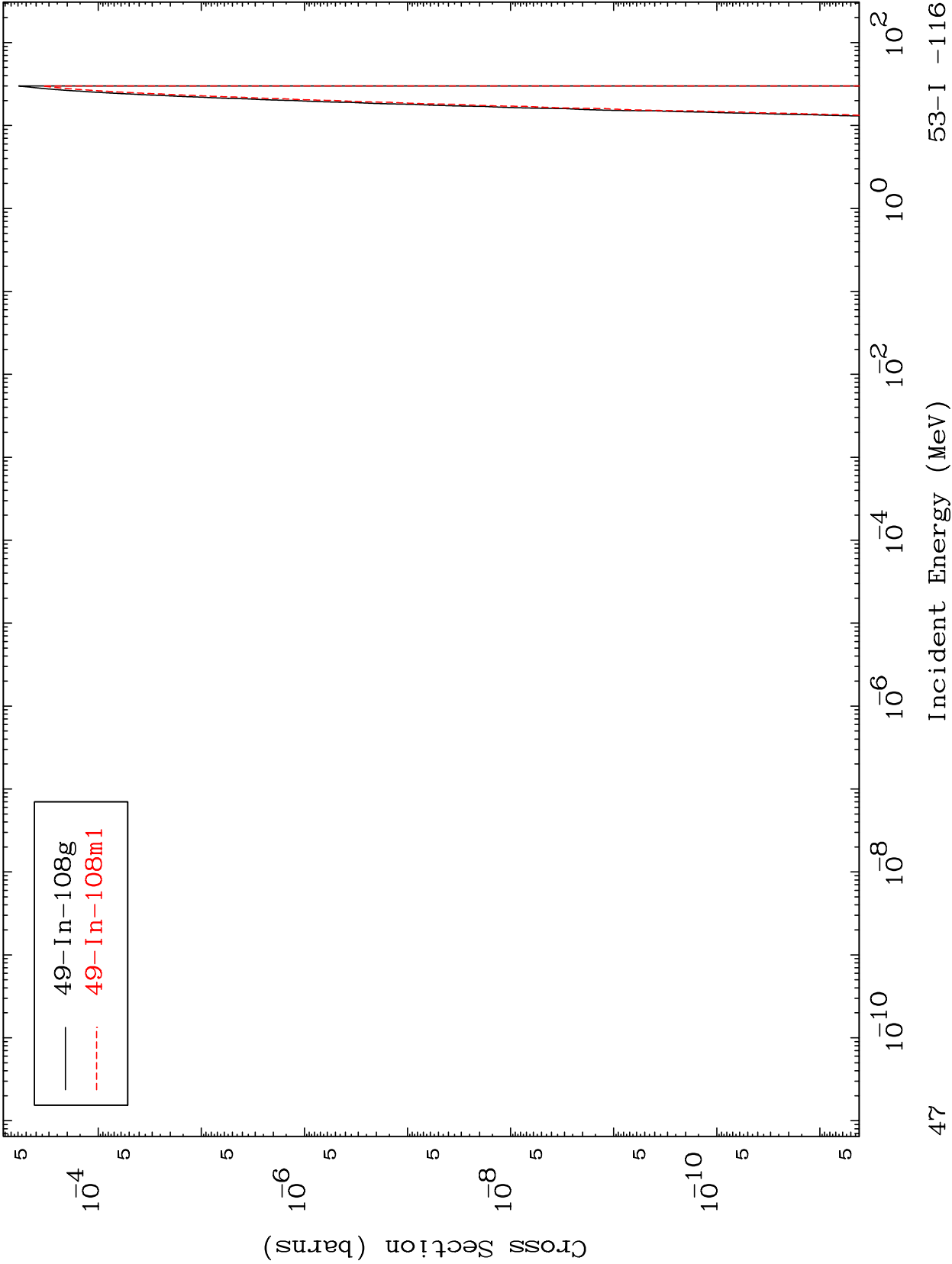


MAT 5292

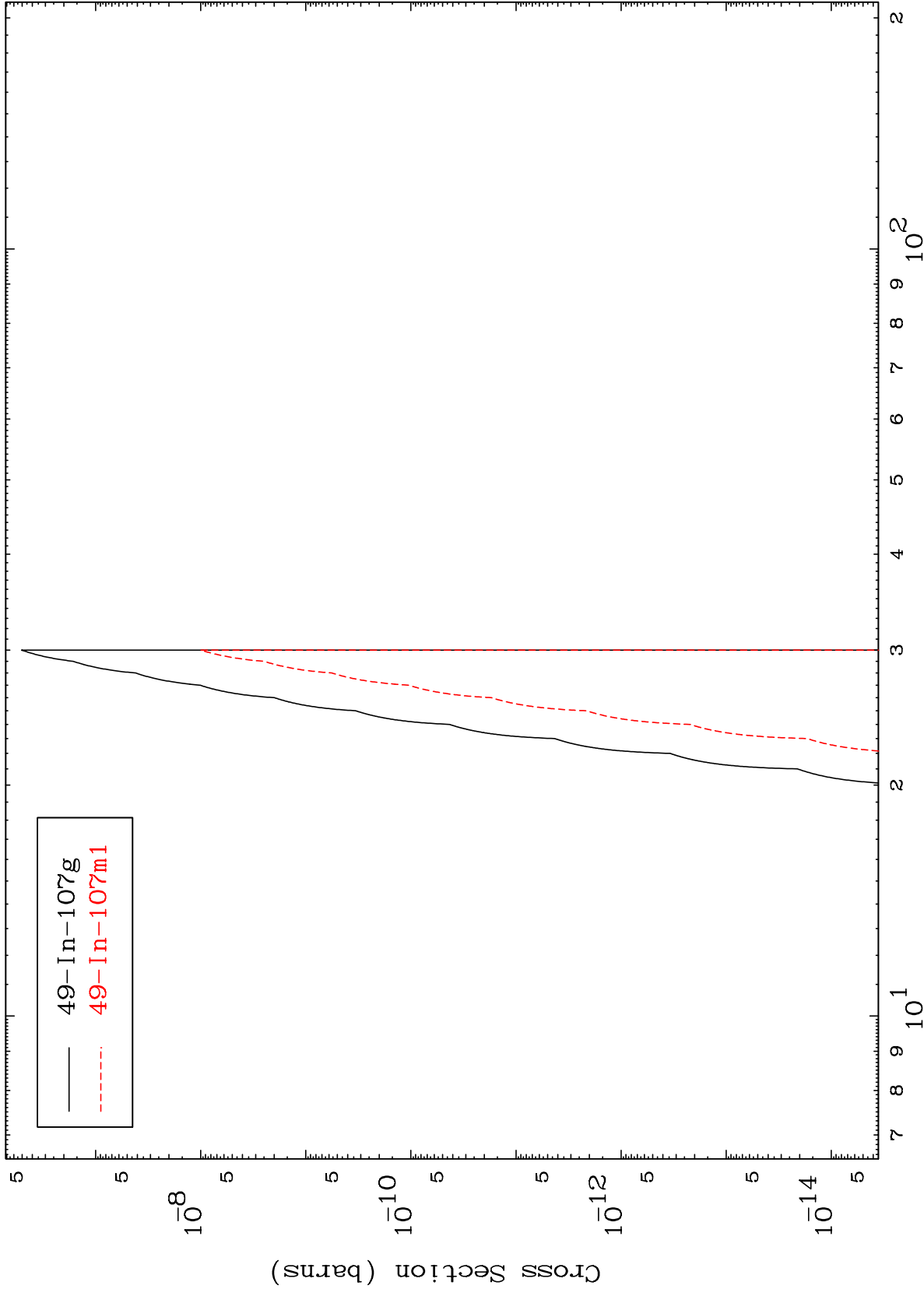
(n,n') 2α

53-I -116

Radionuclide Production Cross Section



Radionuclide Production Cross Section

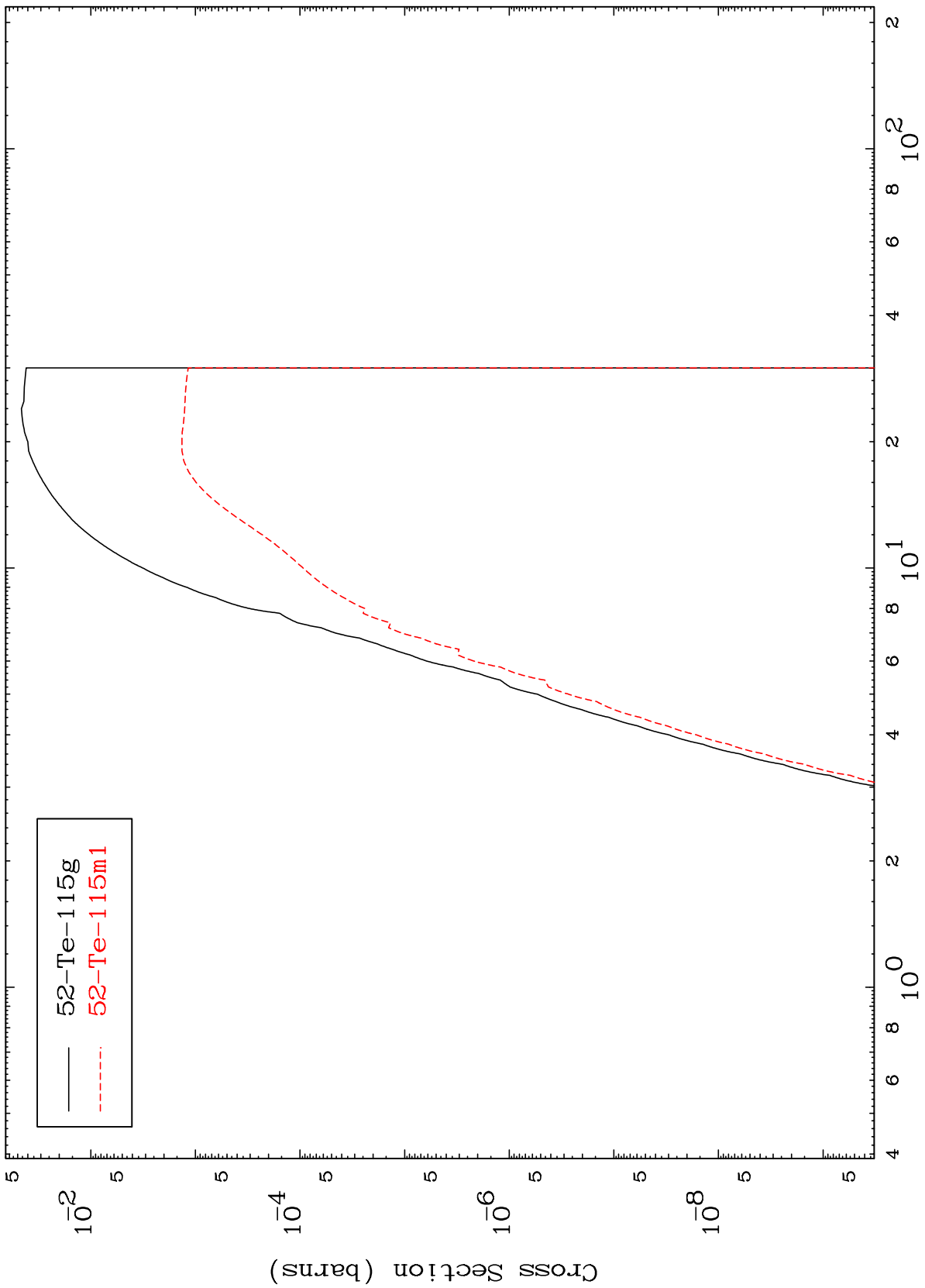


— 49-In-107g  
- - - 49-In-107m1

MAT 5292

53-I -116

(n,d)  
Radionuclide Production Cross Section



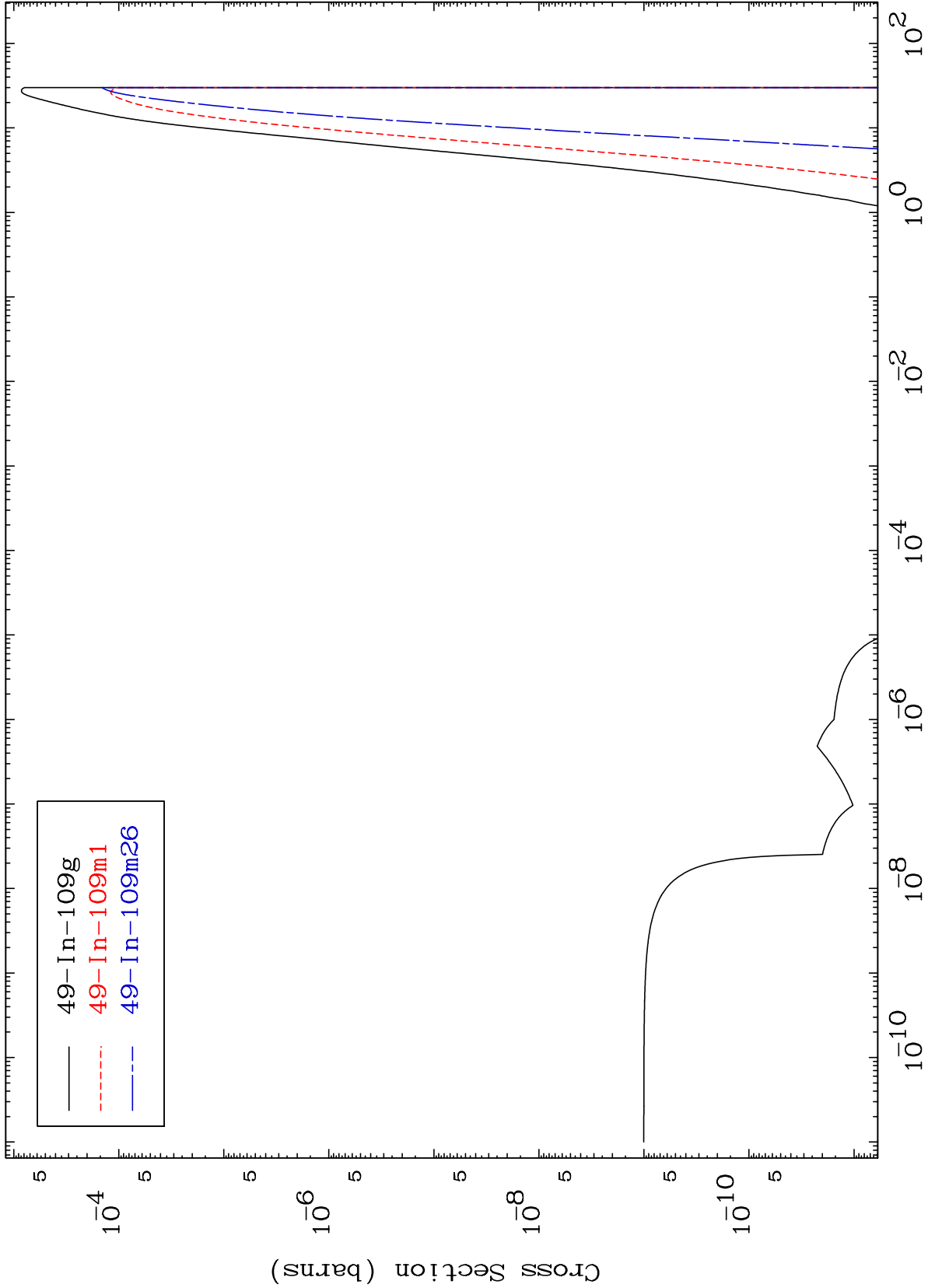
— 52-Te-115g  
- - - 52-Te-115m1

49

Incident Energy (MeV)

53-I -116

Radionuclide Production Cross Section



49-In-109g  
49-In-109m1  
49-In-109m26

MAT 5292

(n,3 $\alpha$ )

53-I -116

Radionuclide Production Cross Section

