

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

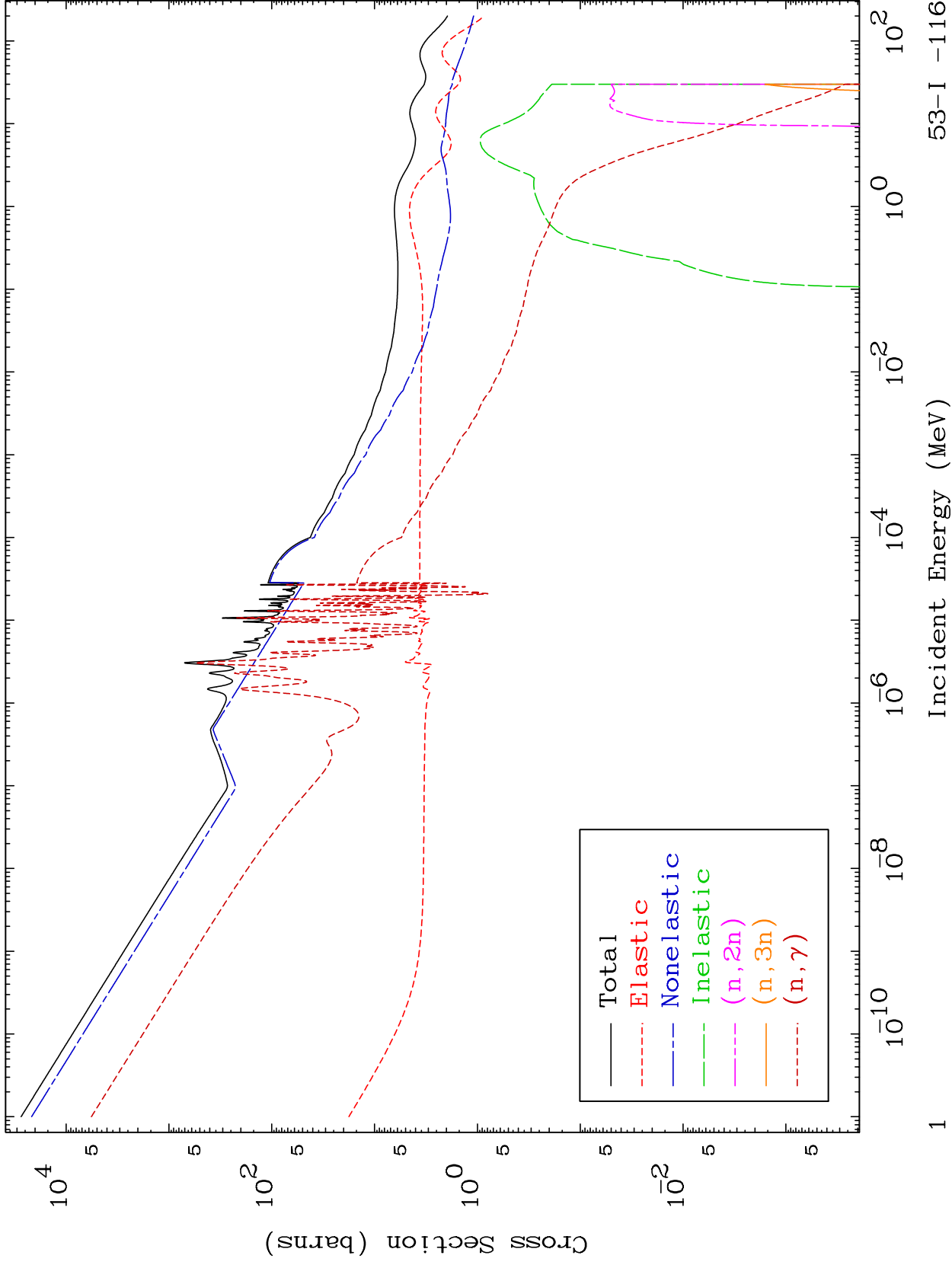
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Web:redcullen1.net/HOMEPAGE.NEW

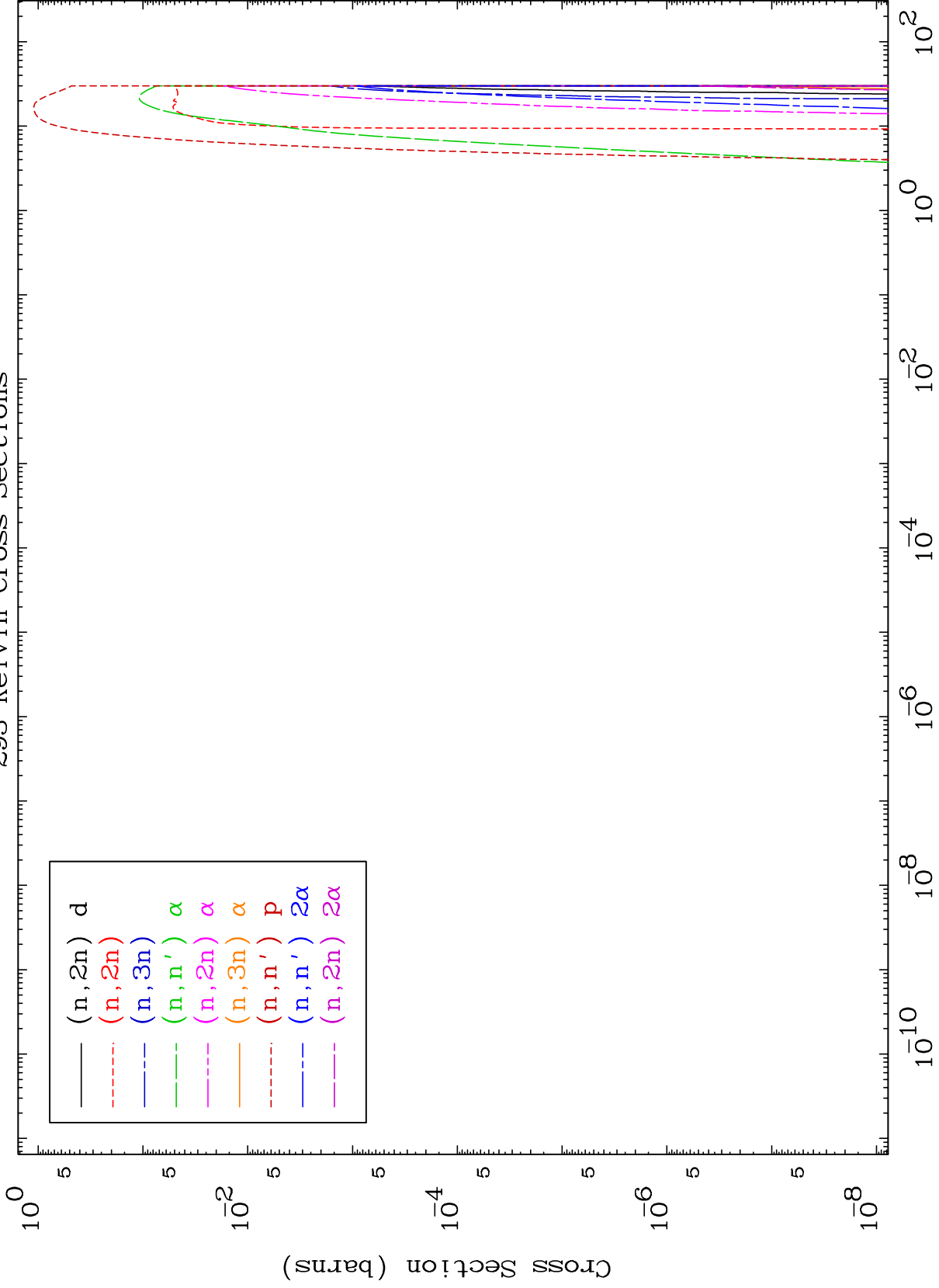
Press Mouse Button to Start



MAT 5292

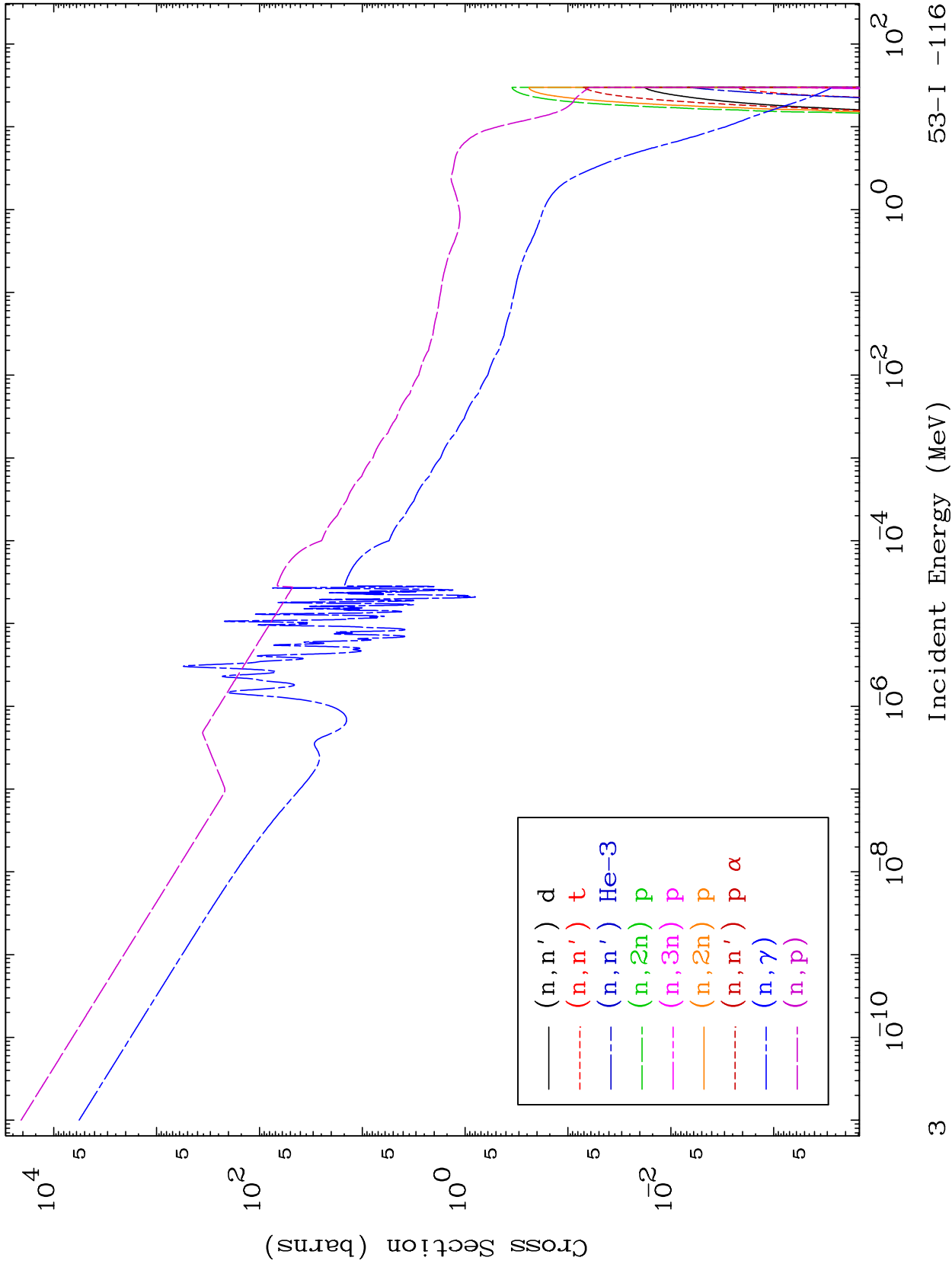
Neutron Absorption
293 Kelvin Cross Sections

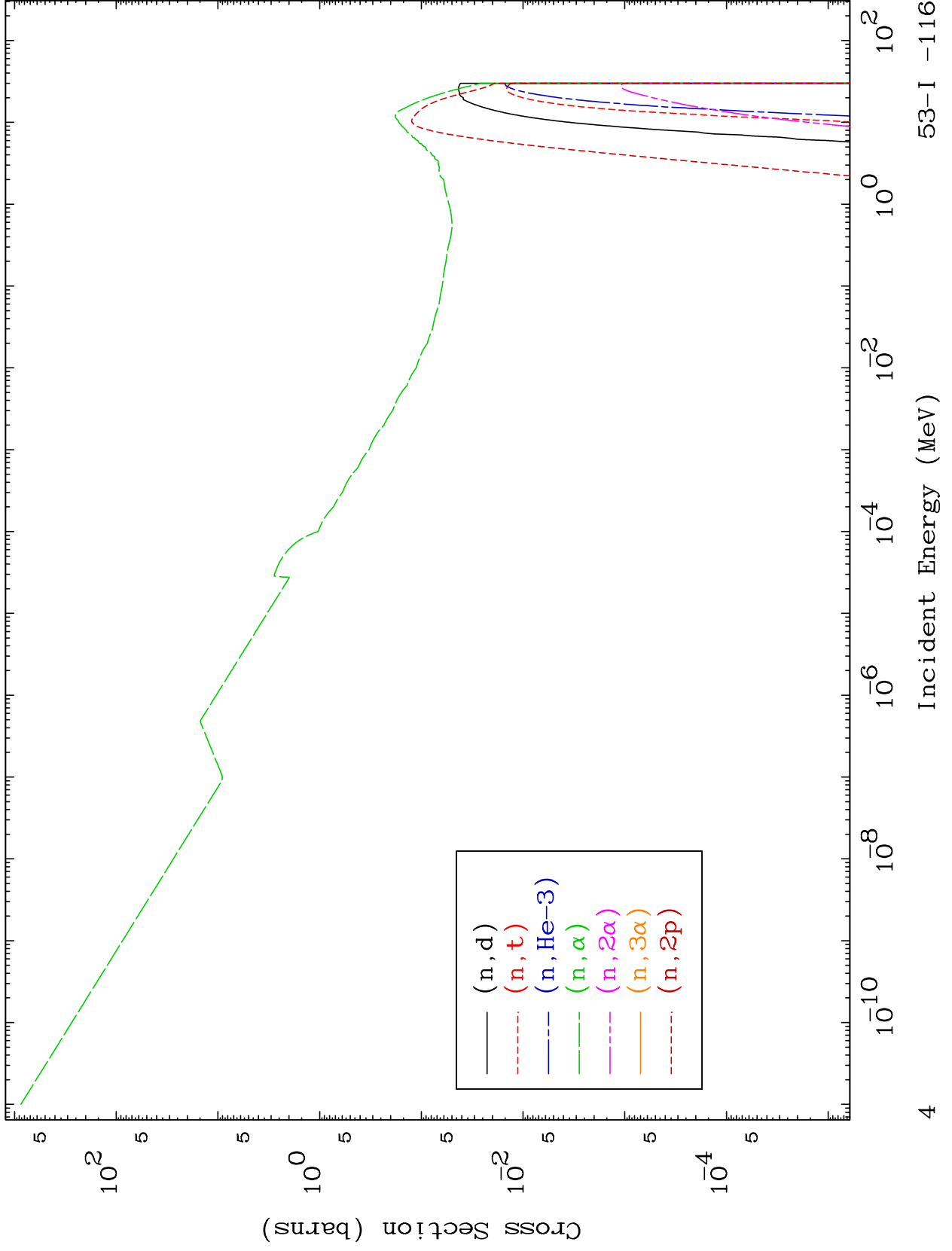
53-I -116

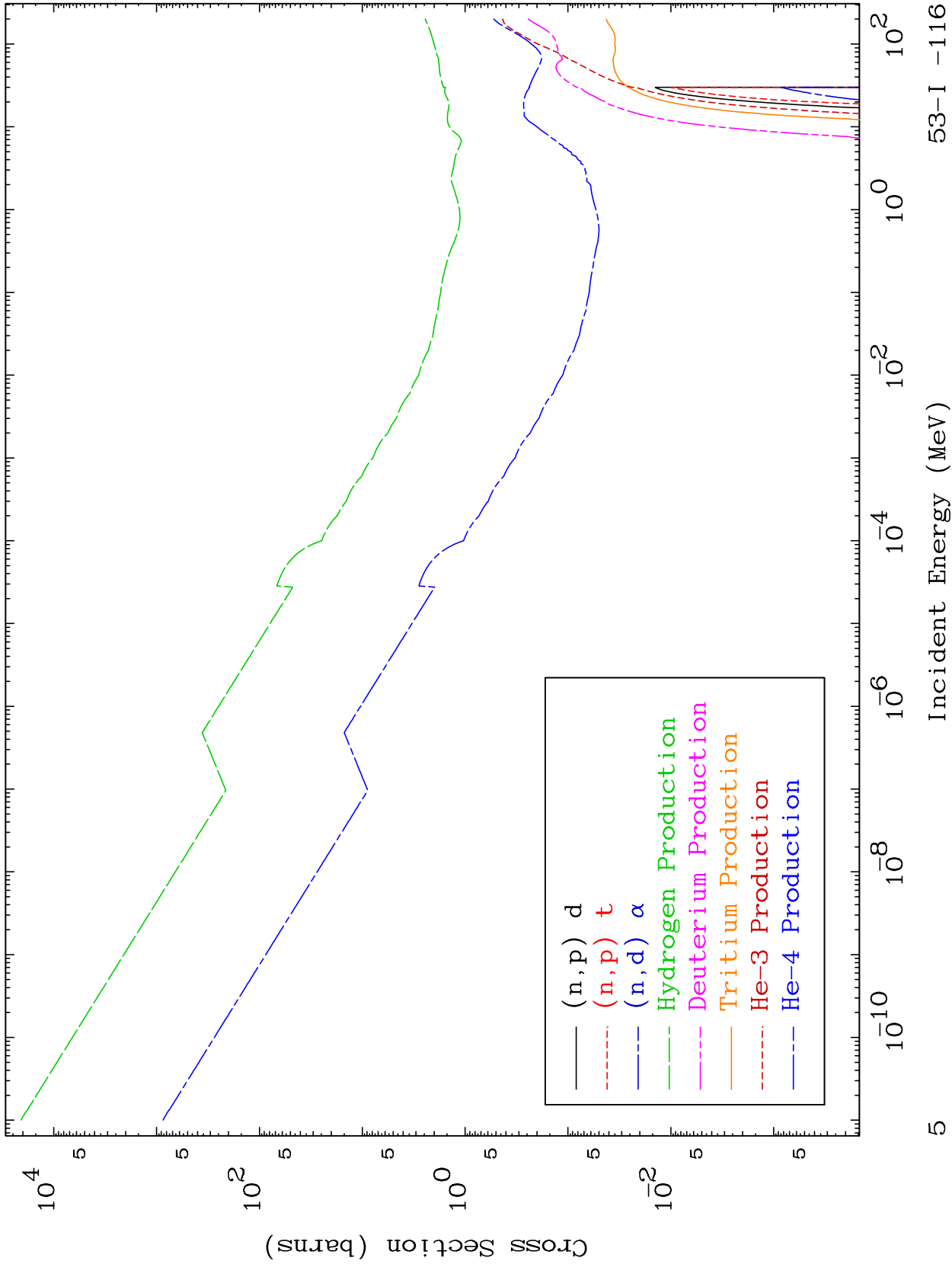


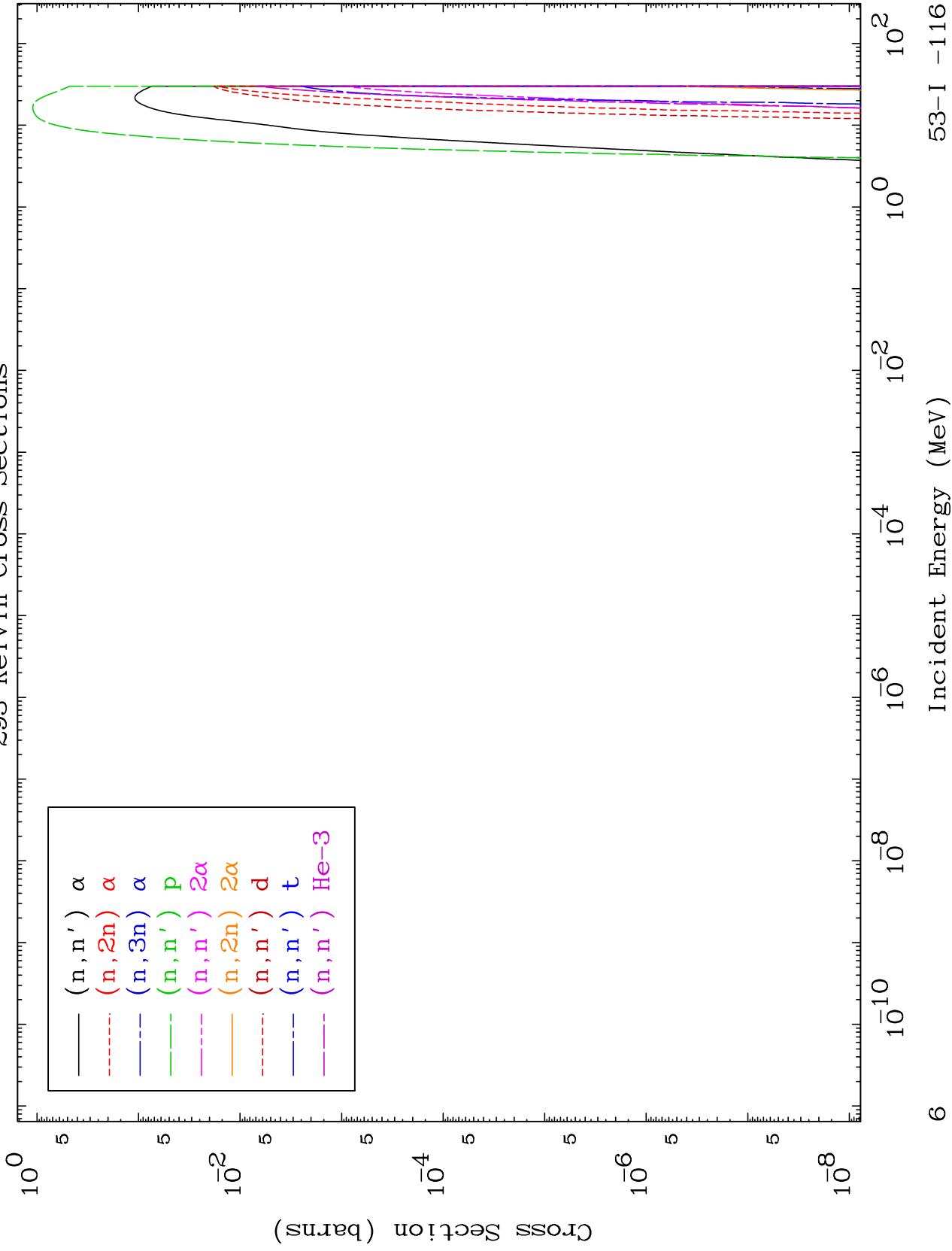
53-I -116

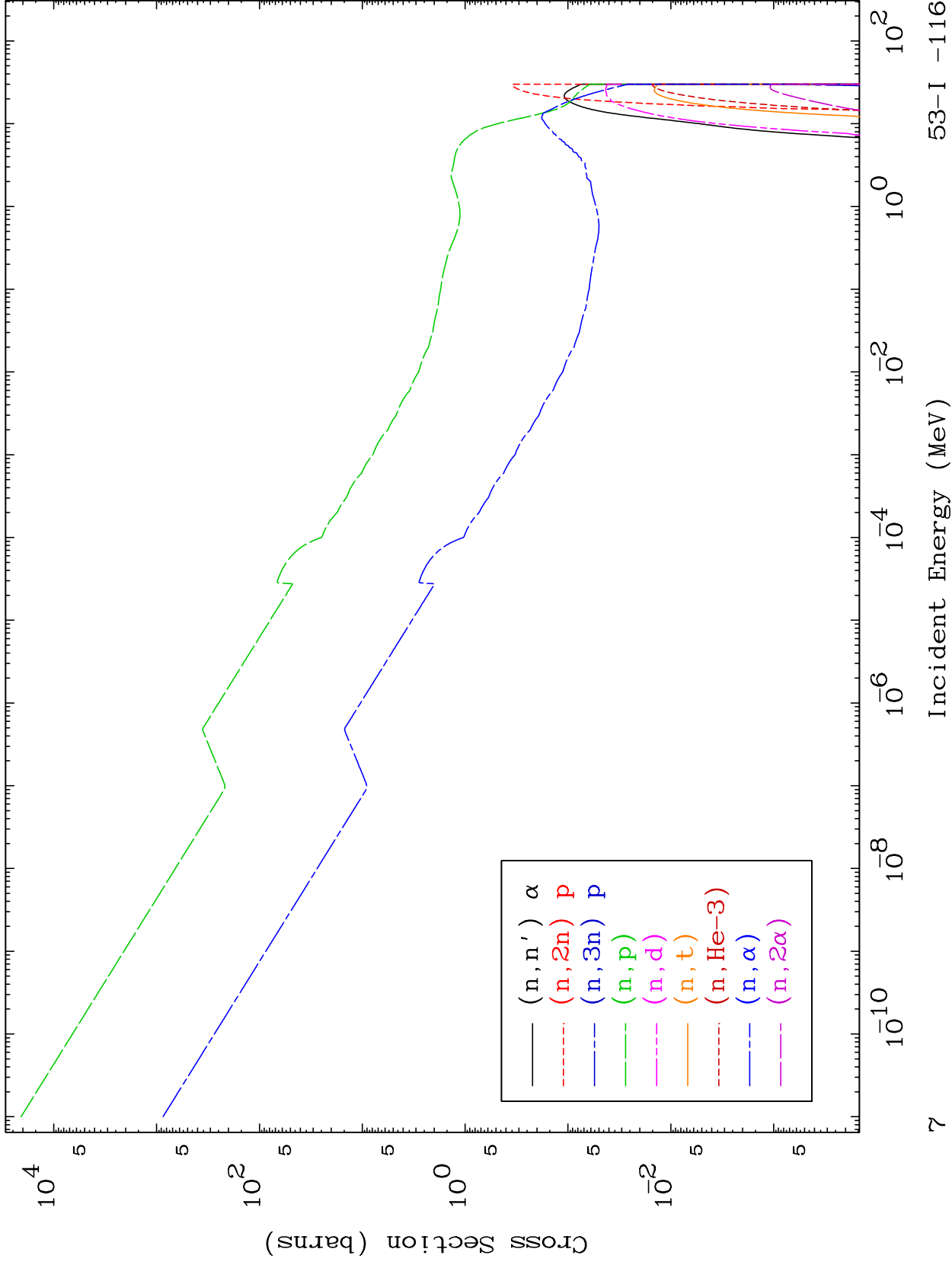
Incident Energy (MeV)

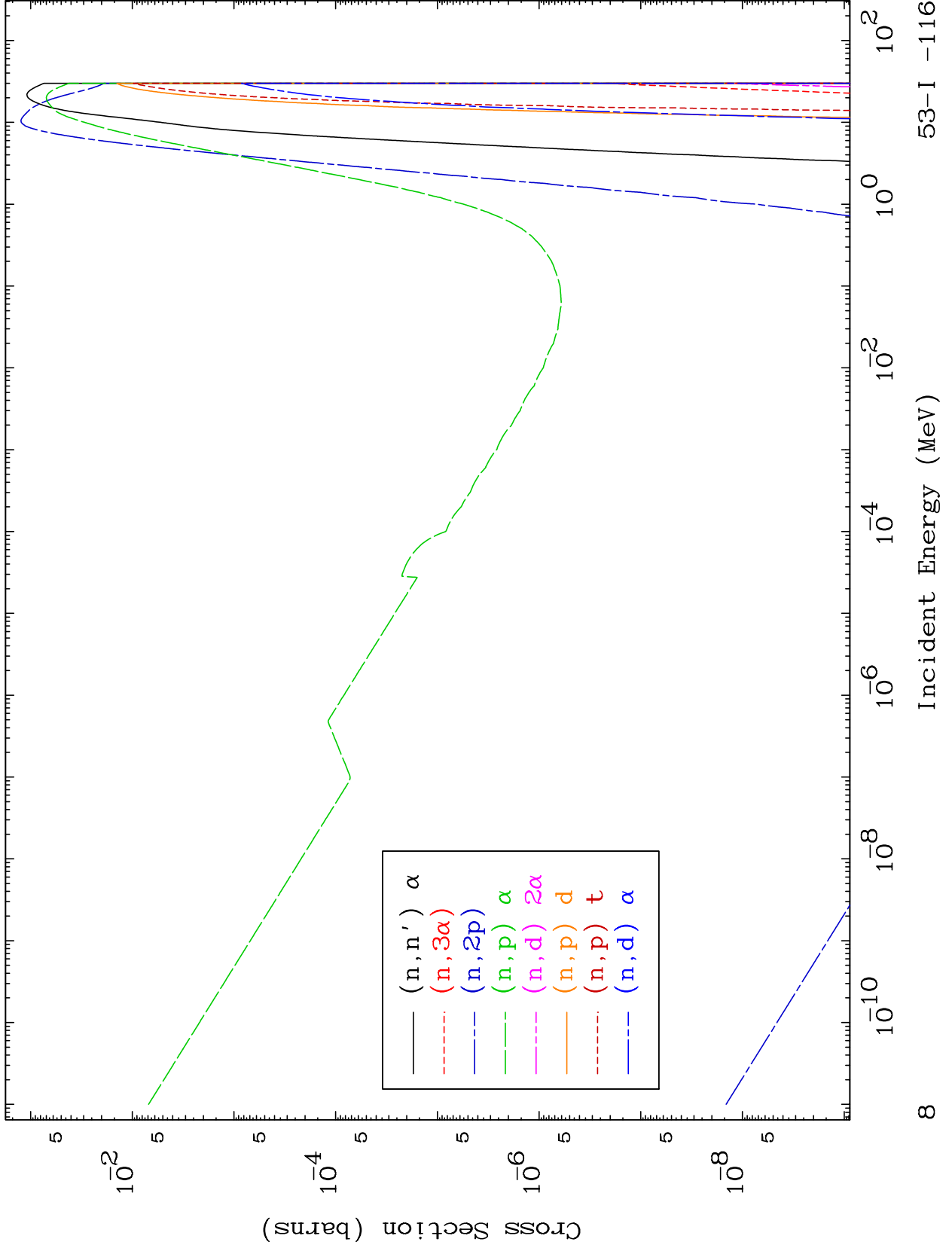


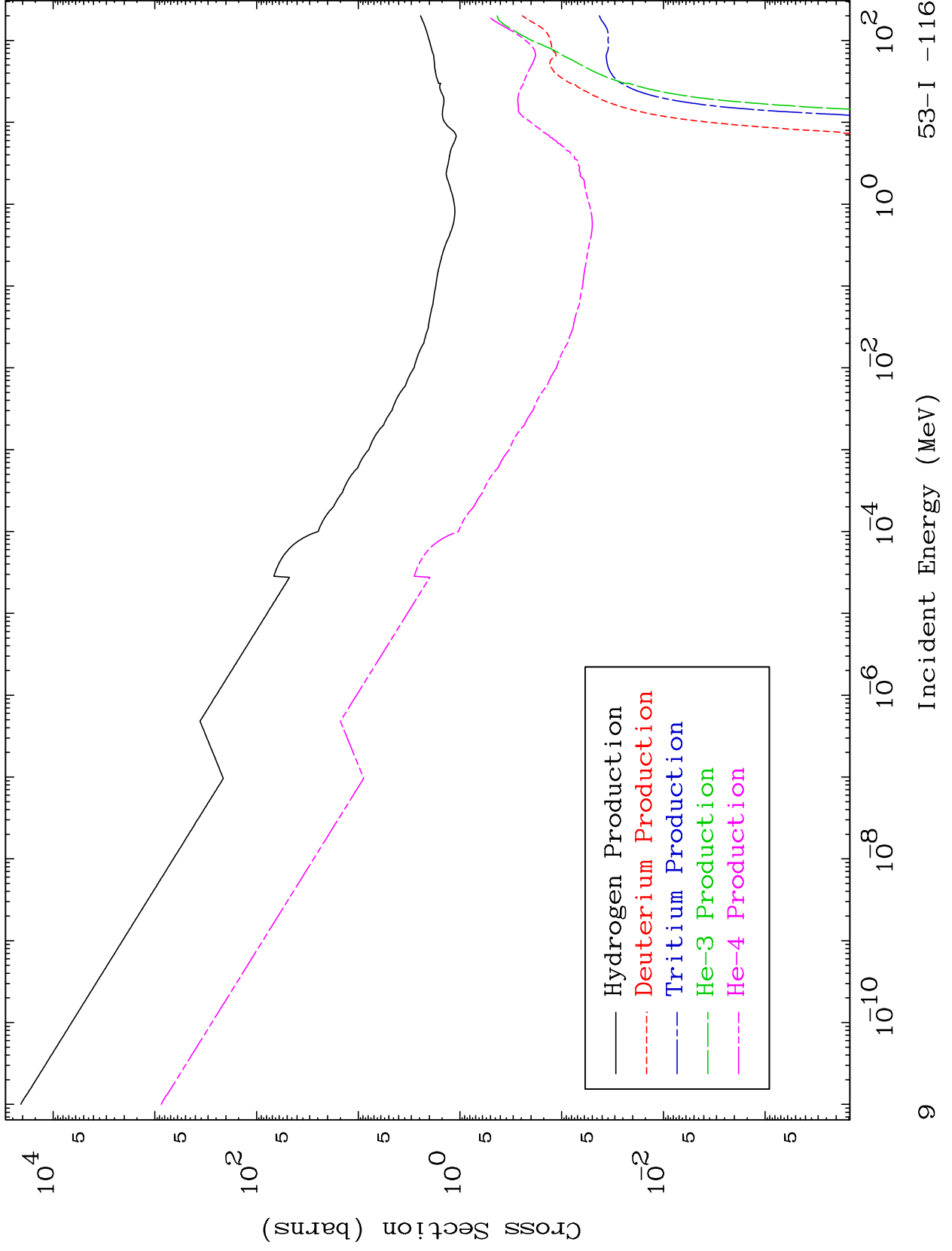


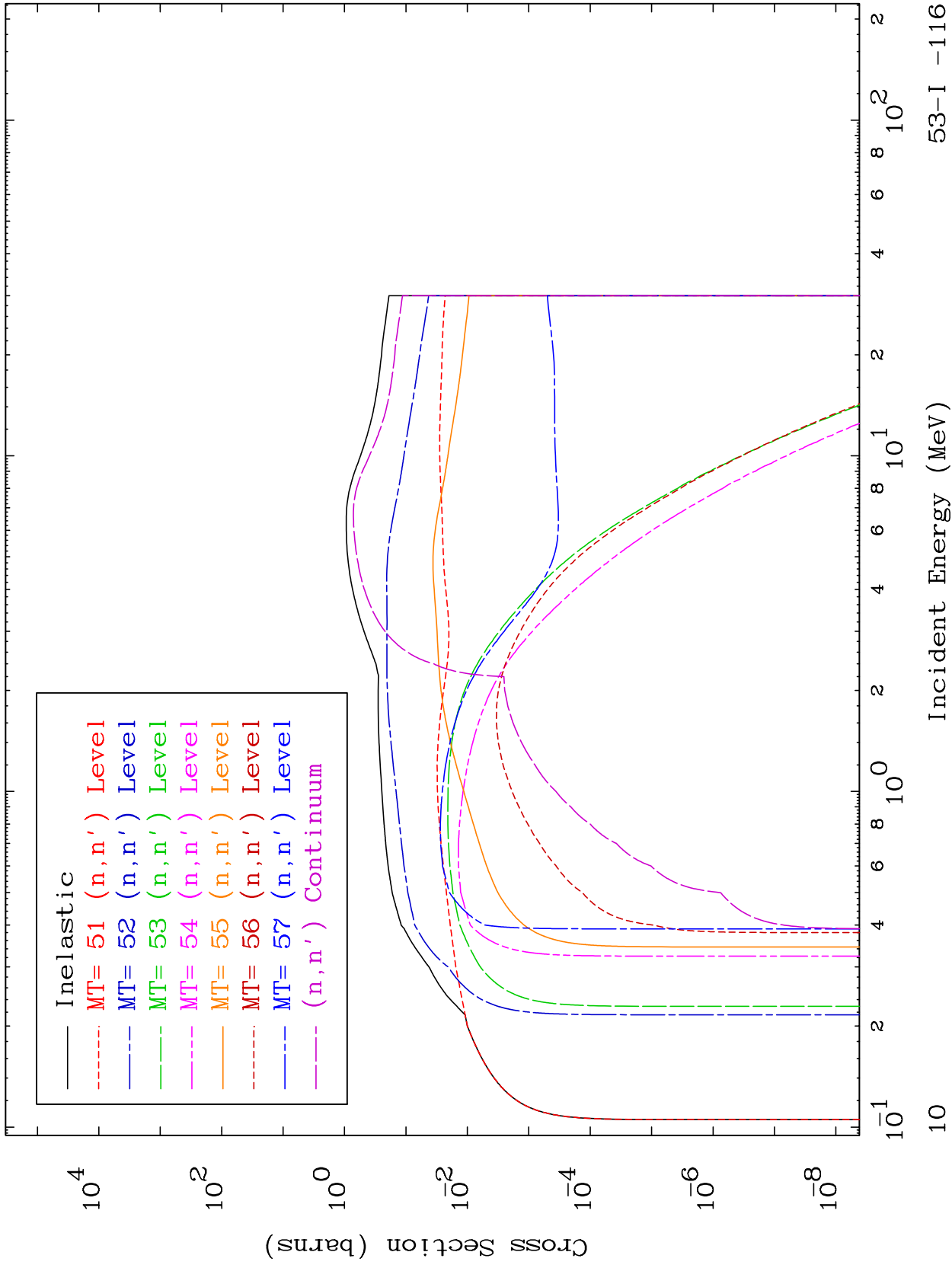








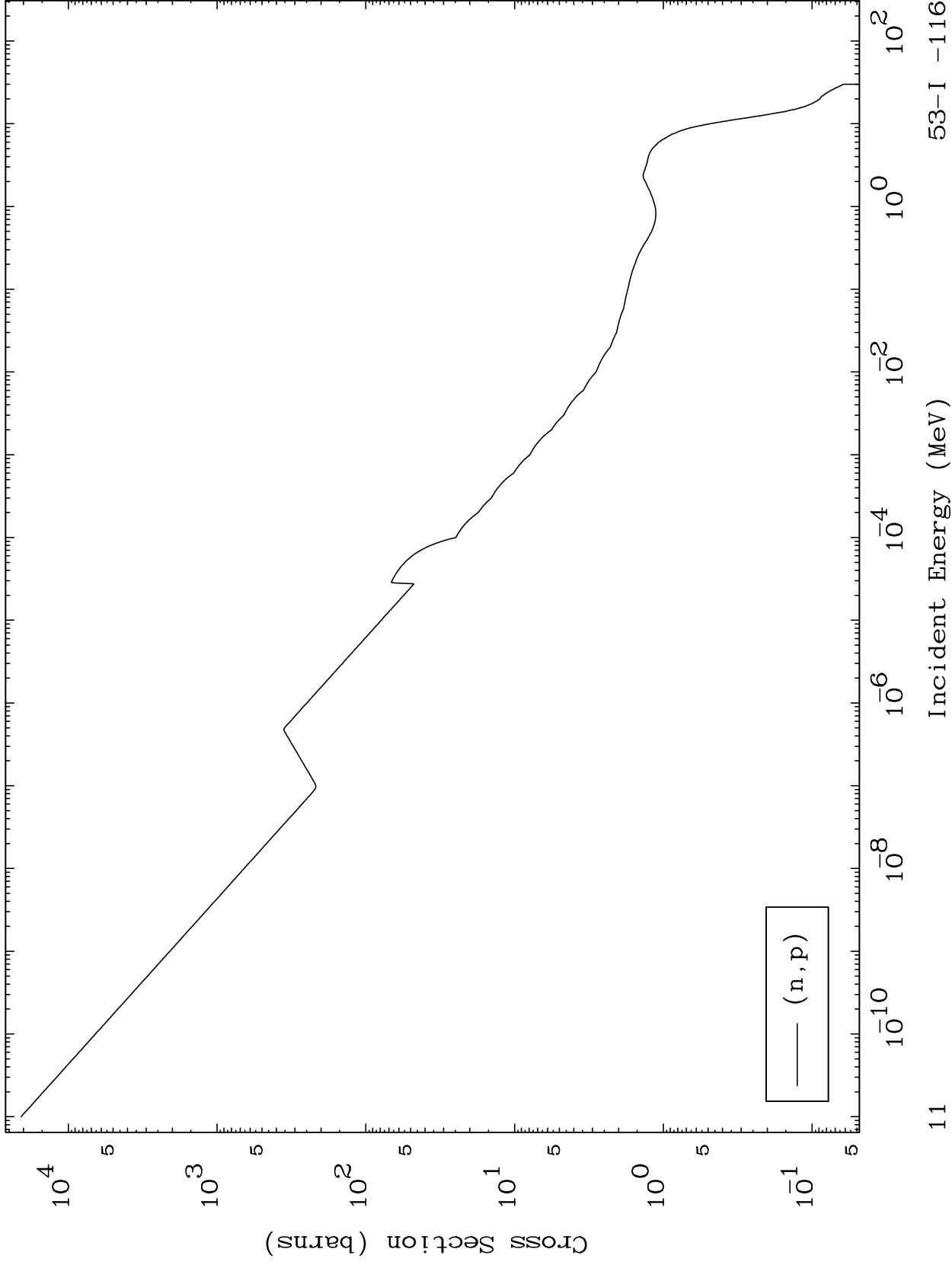




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(n,p) Levels
293 Kelvin Cross Sections

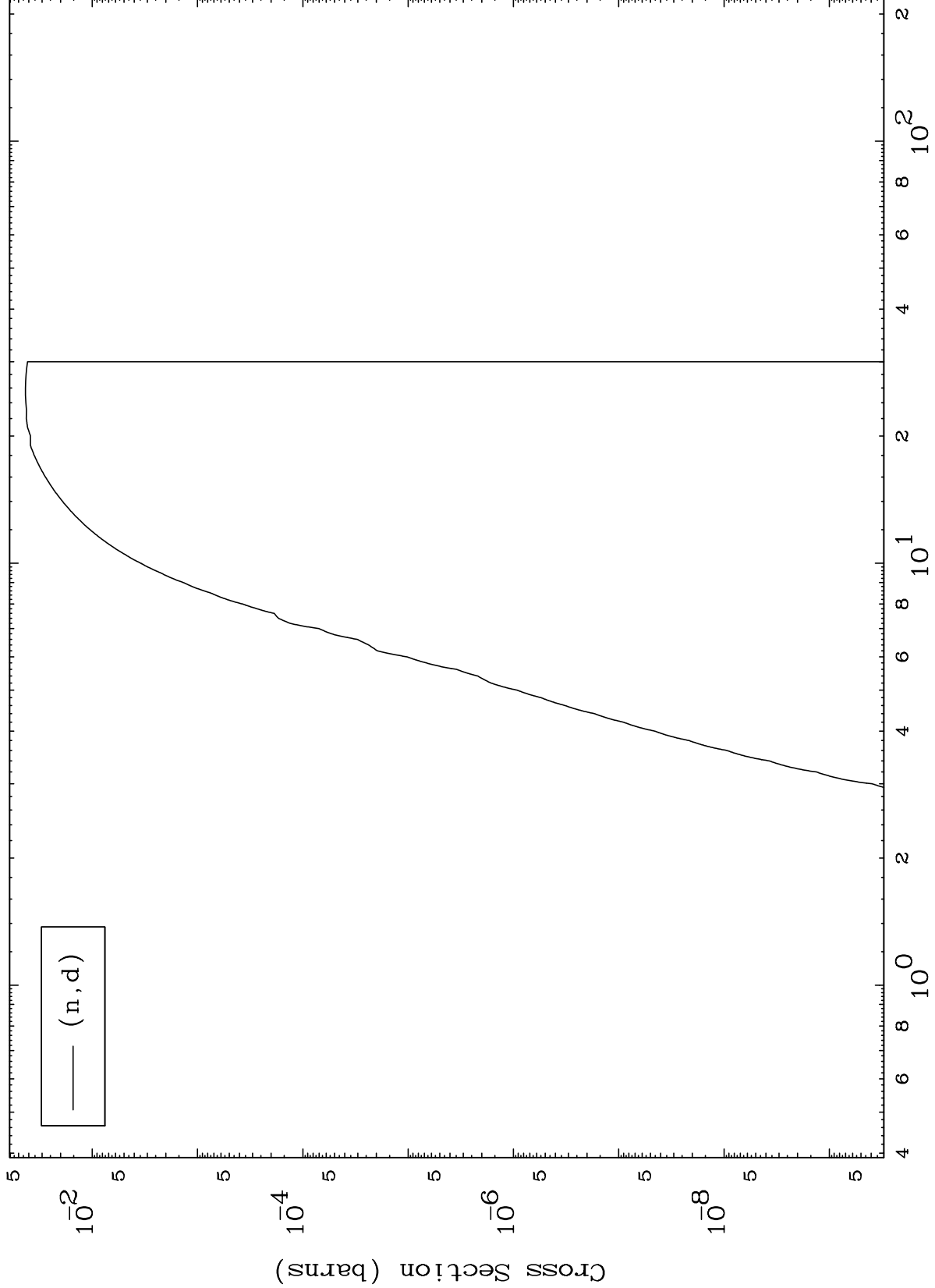
53-I -116



MAT 5292

(n,d) Levels
293 Kelvin Cross Sections

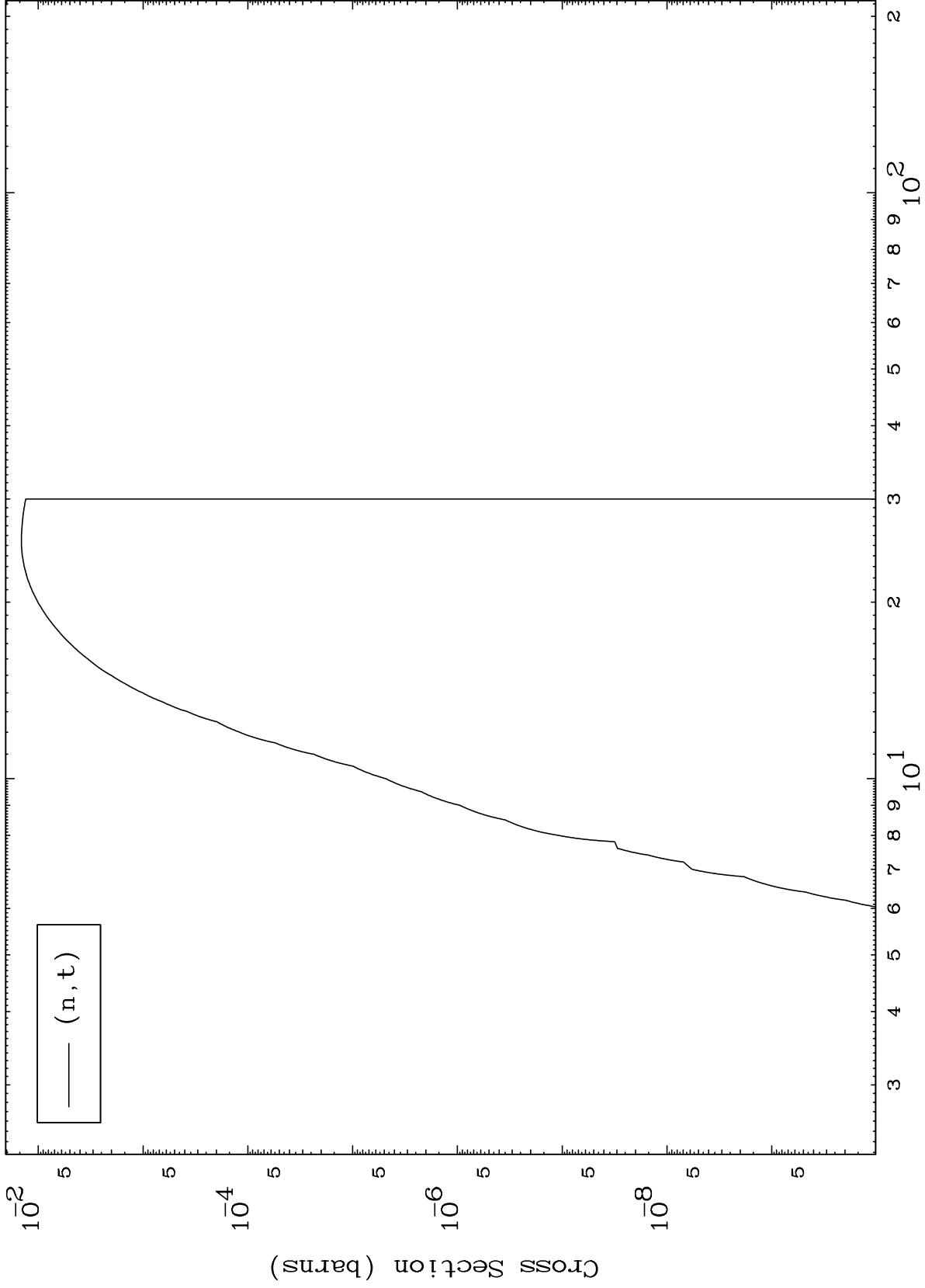
53-I -116



12

Incident Energy (MeV)

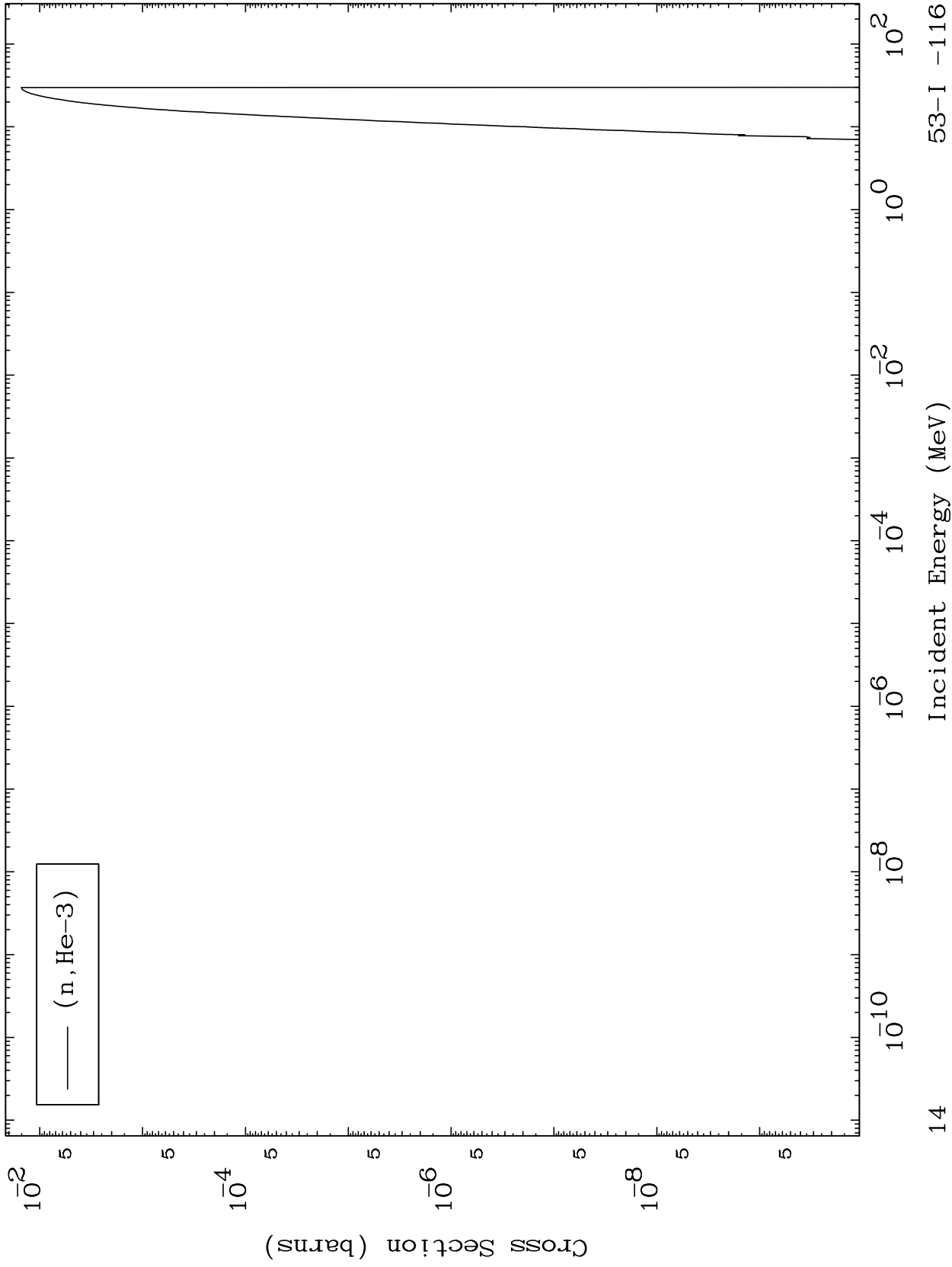
53-I -116



MAT 5292

(n,He3) Levels
293 Kelvin Cross Sections

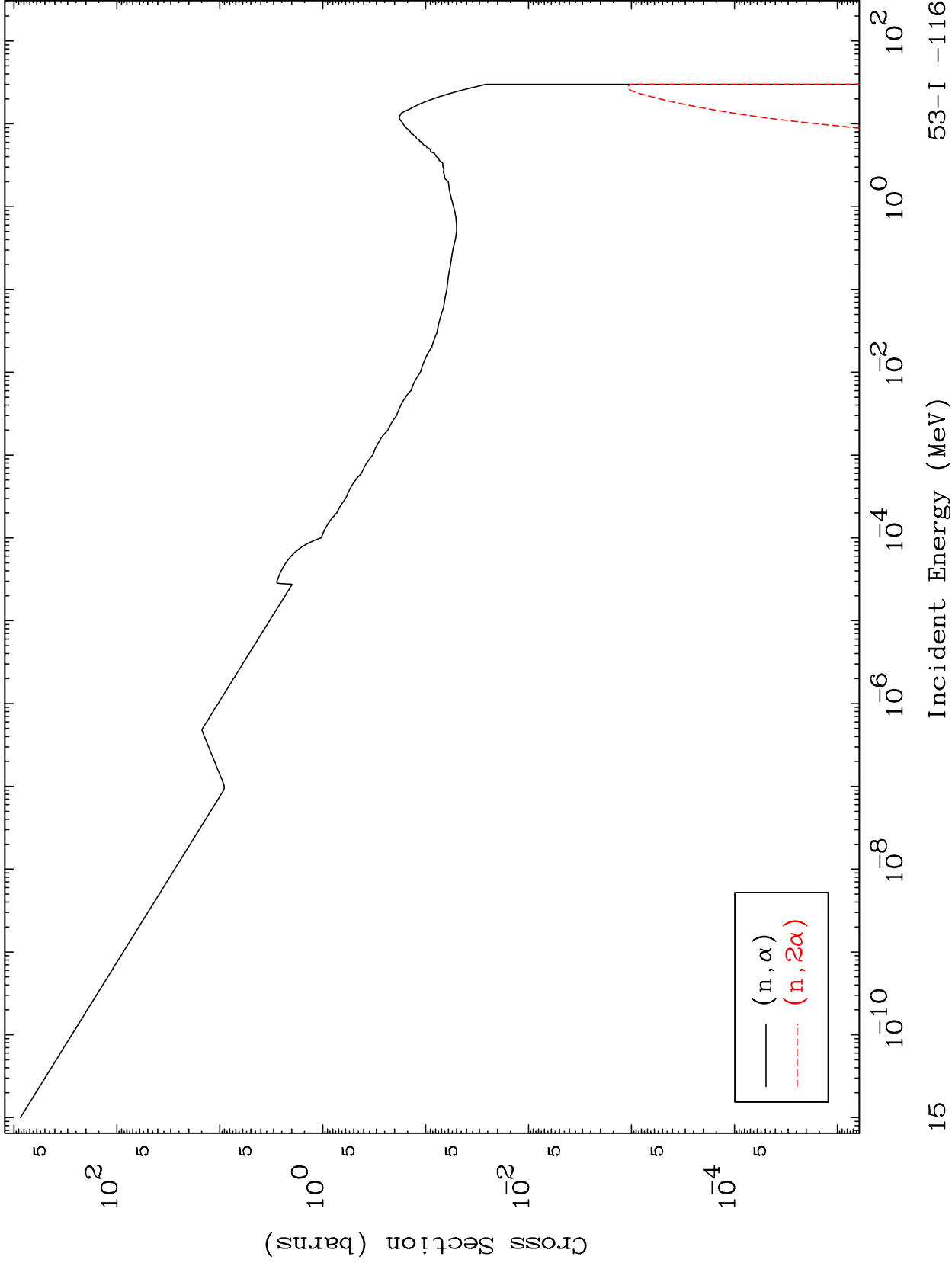
53-I -116



MAT 5292

(n,α) Levels
293 Kelvin Cross Sections

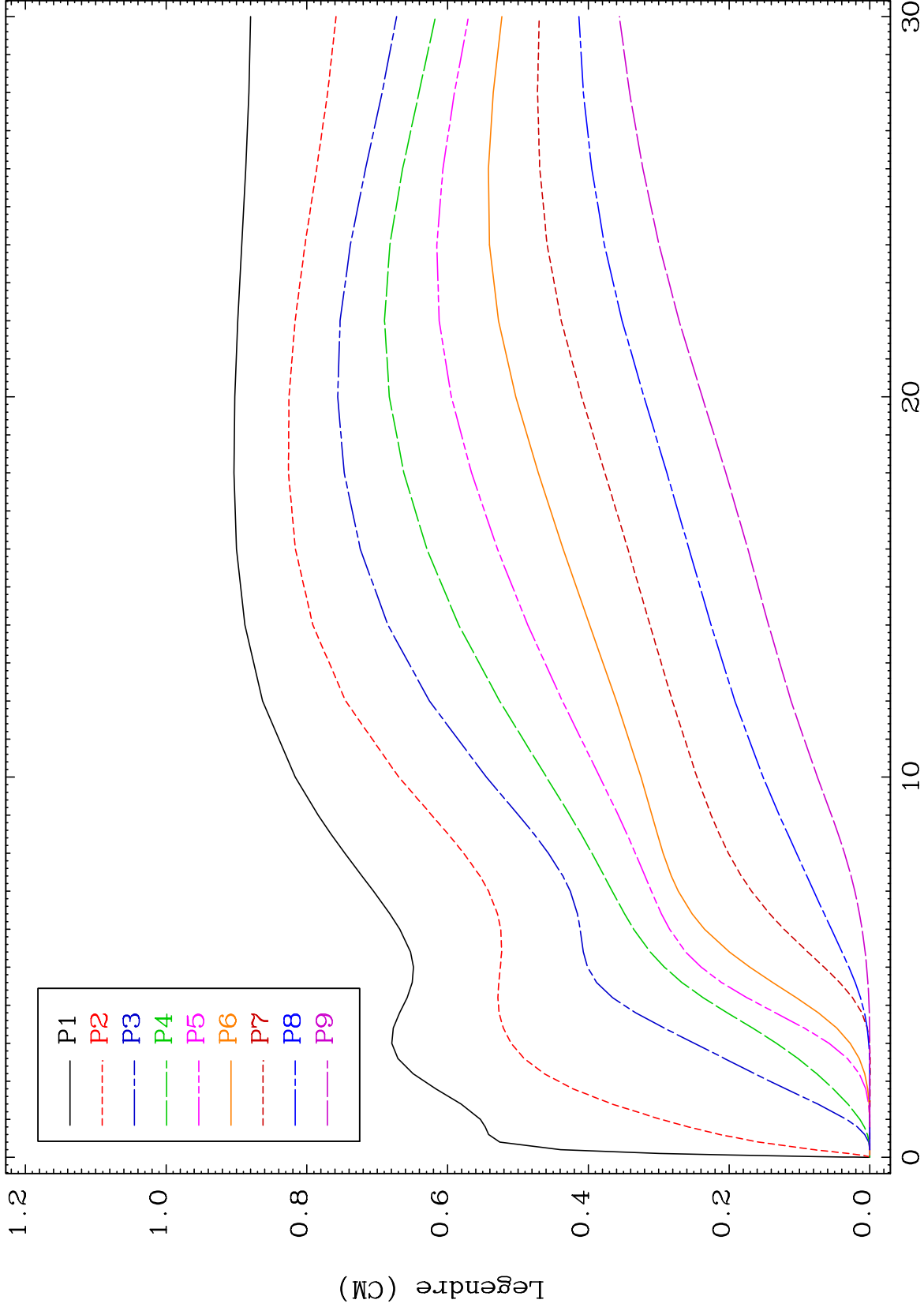
53-I -116



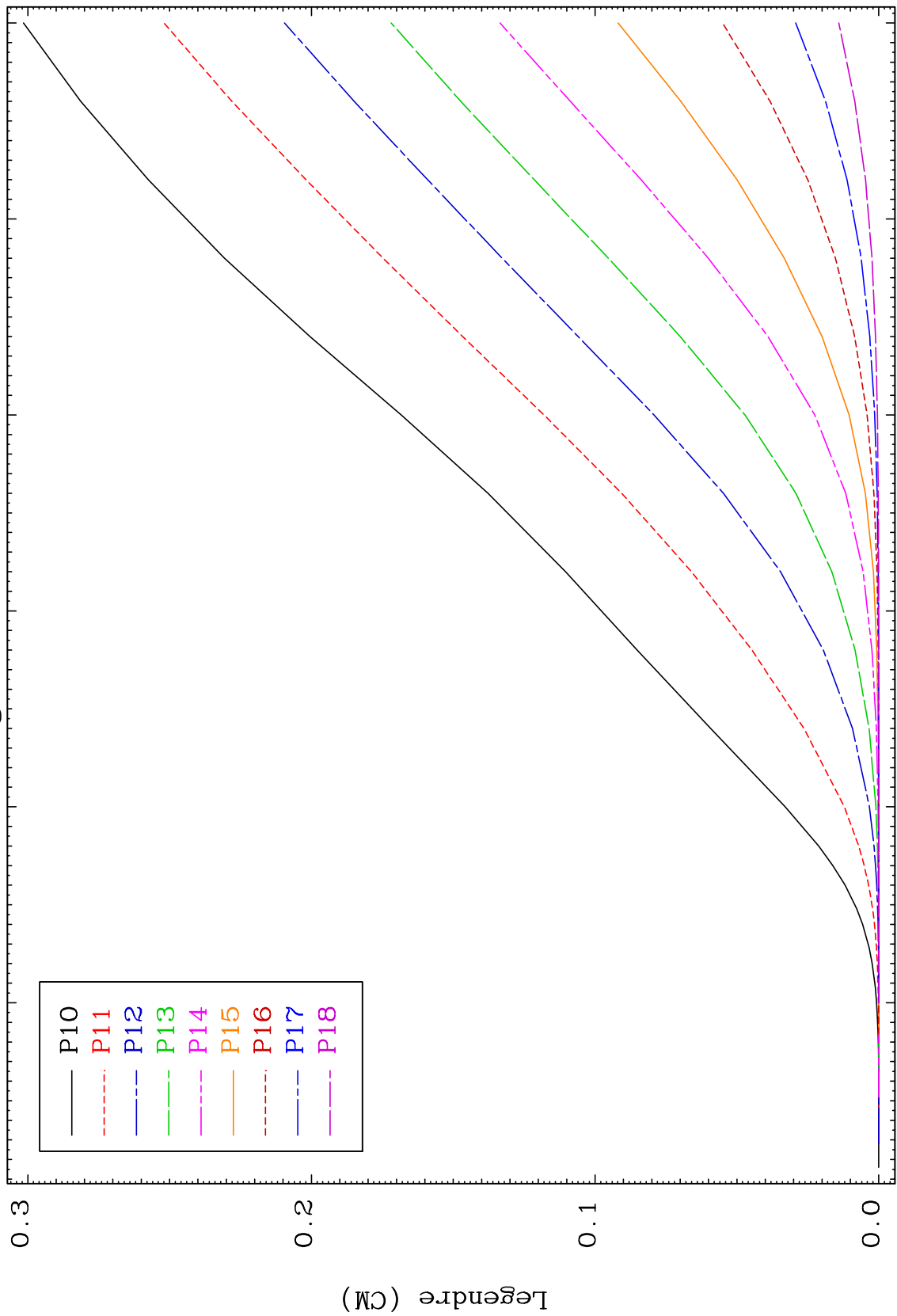
15

Incident Energy (MeV)

53-I -116



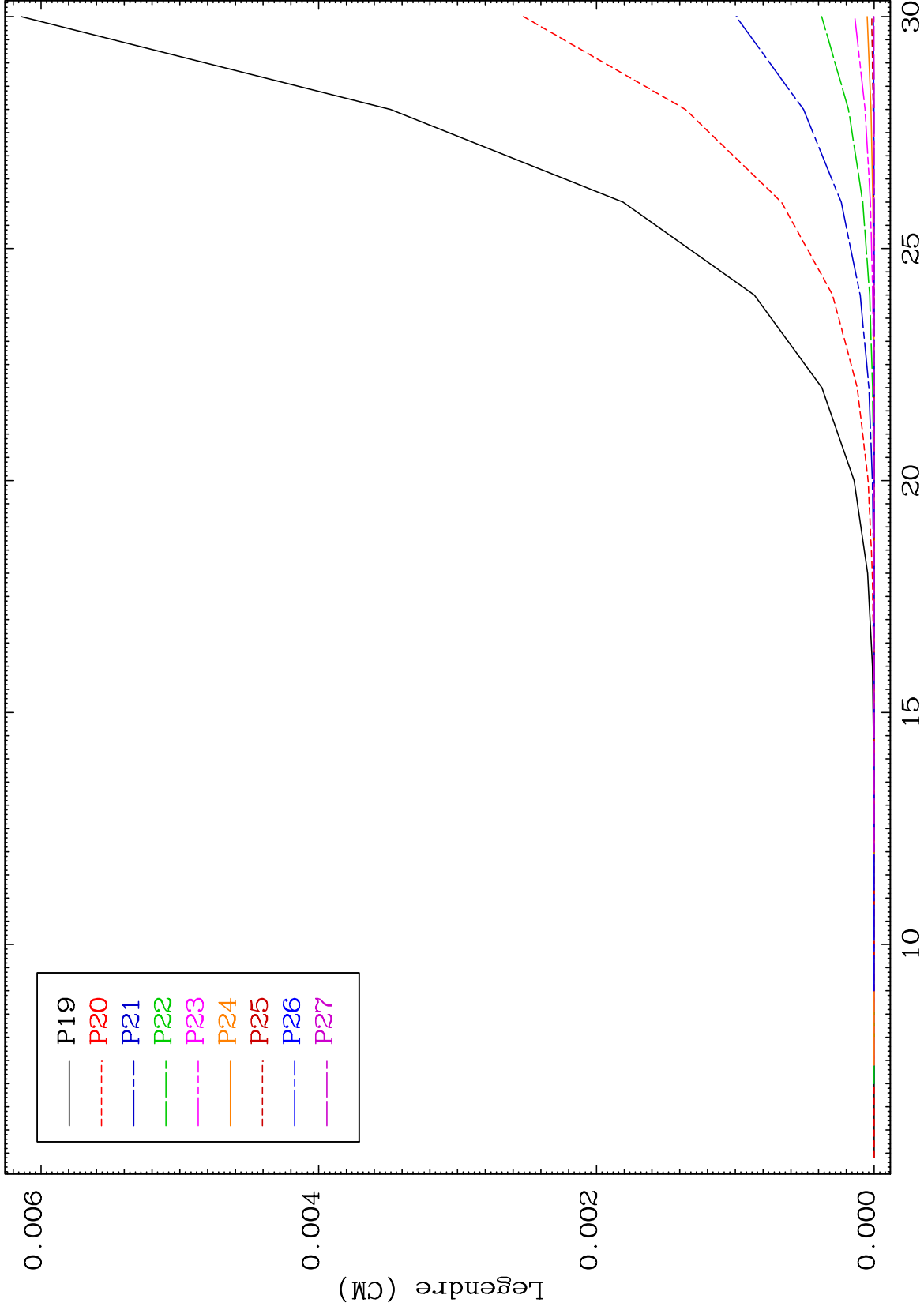
Elastic Legendre Coefficients



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Elastic Legendre Coefficients

53-I -116



18

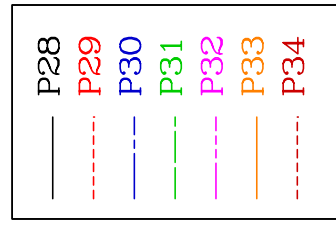
Incident Energy (MeV)

53-I -116

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Elastic Legendre Coefficients

53-I -116



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

Legendre (CM)

1

0

15

20

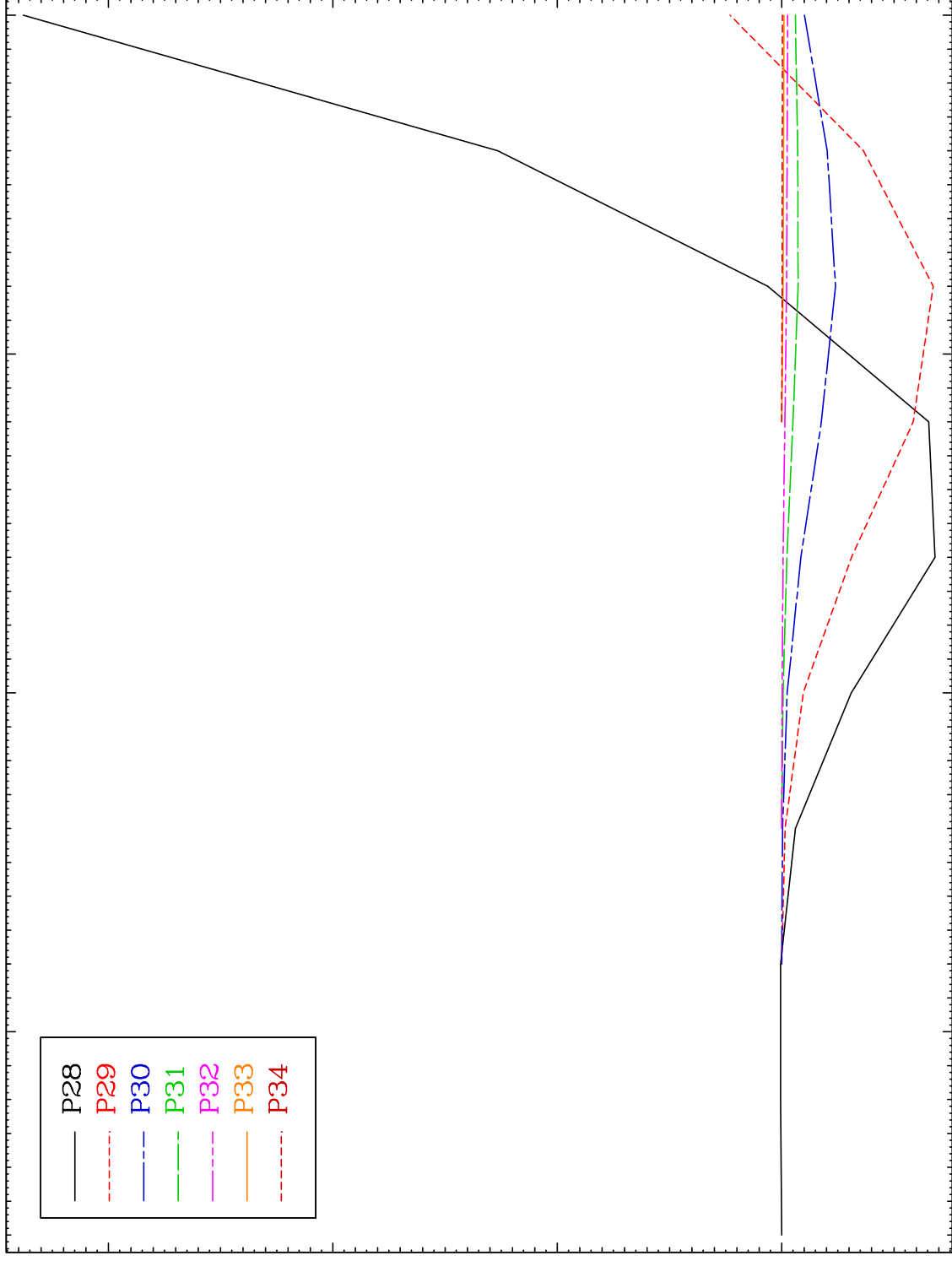
25

30

19

Incident Energy (MeV)

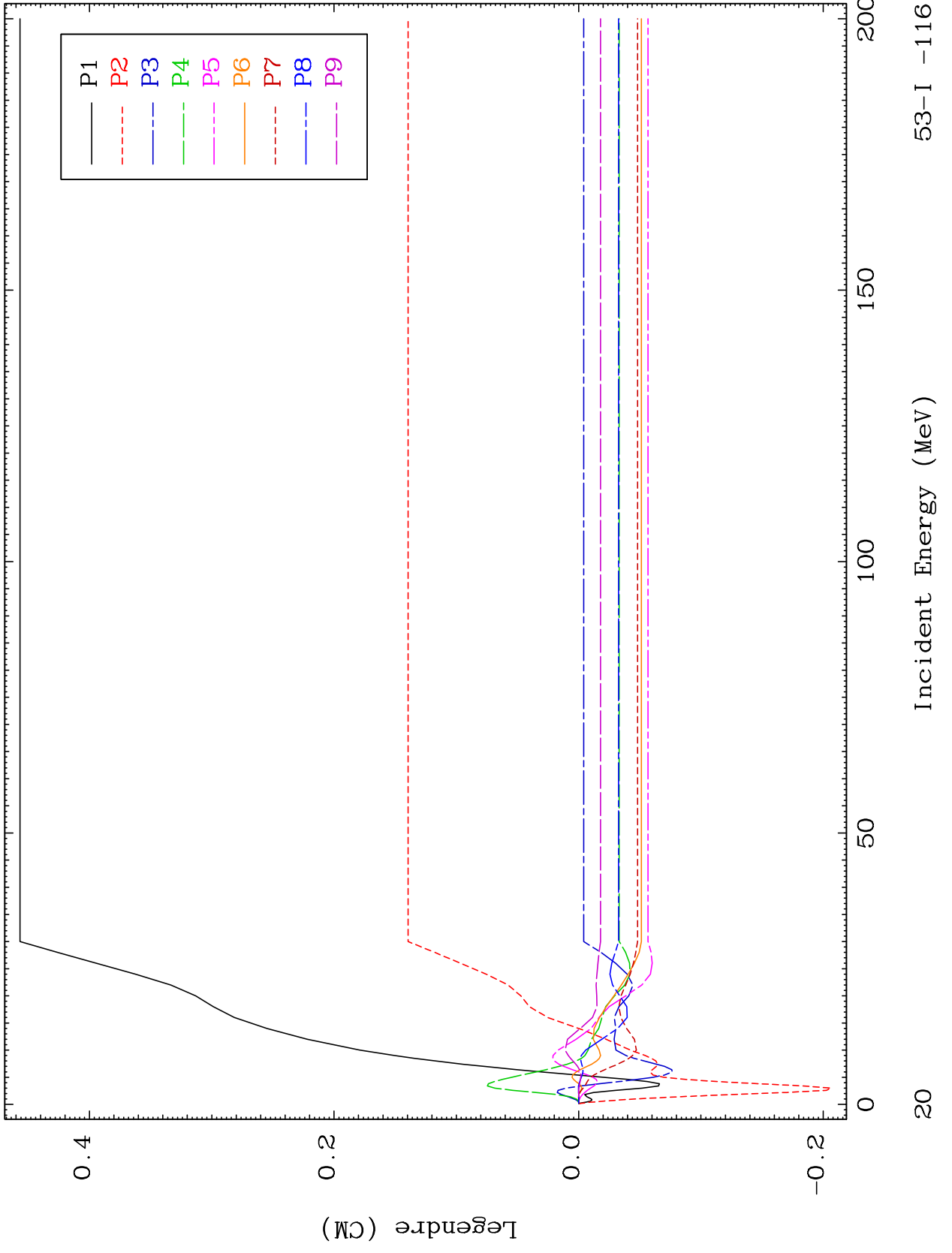
53-I -116



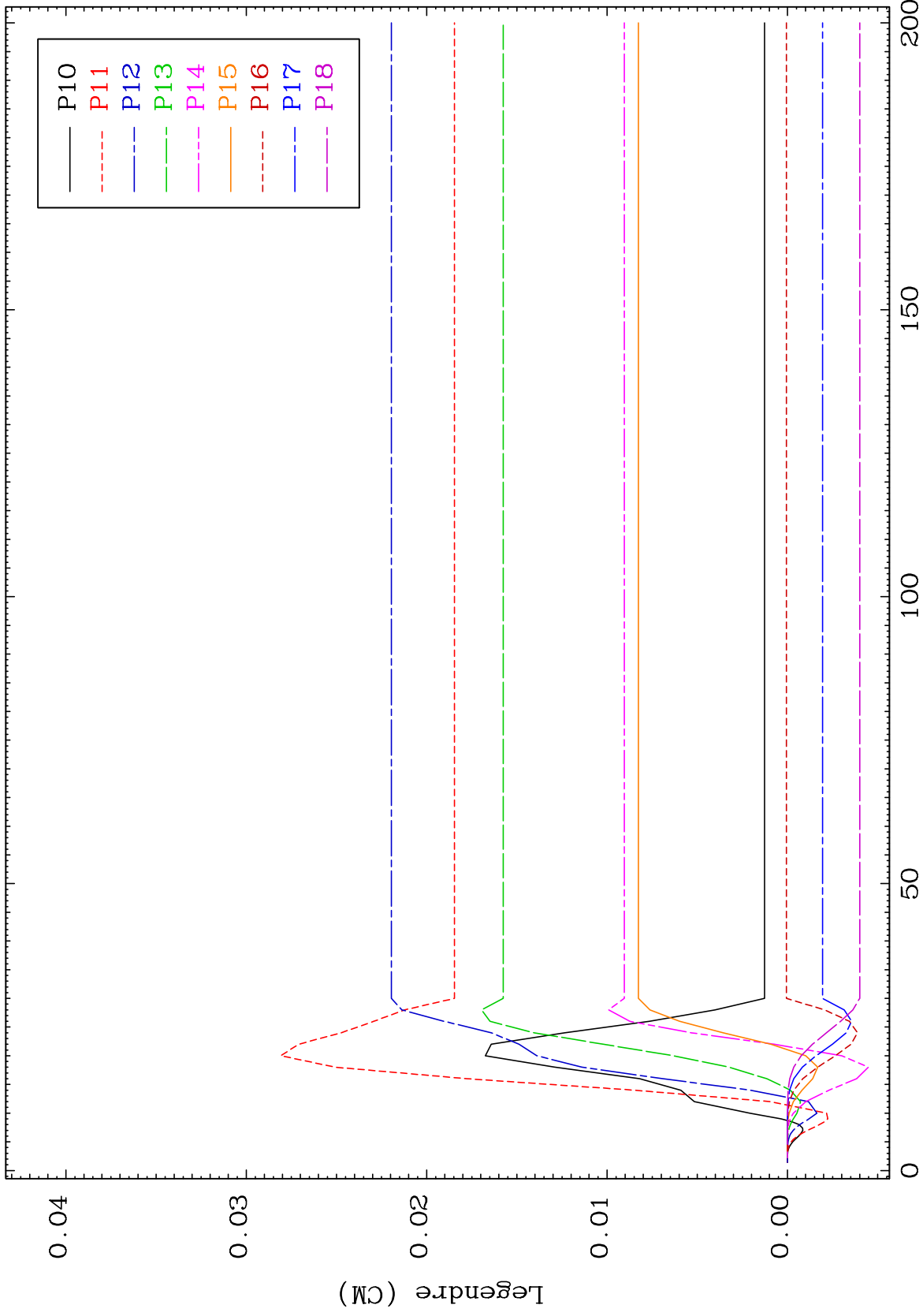
MAT 5292

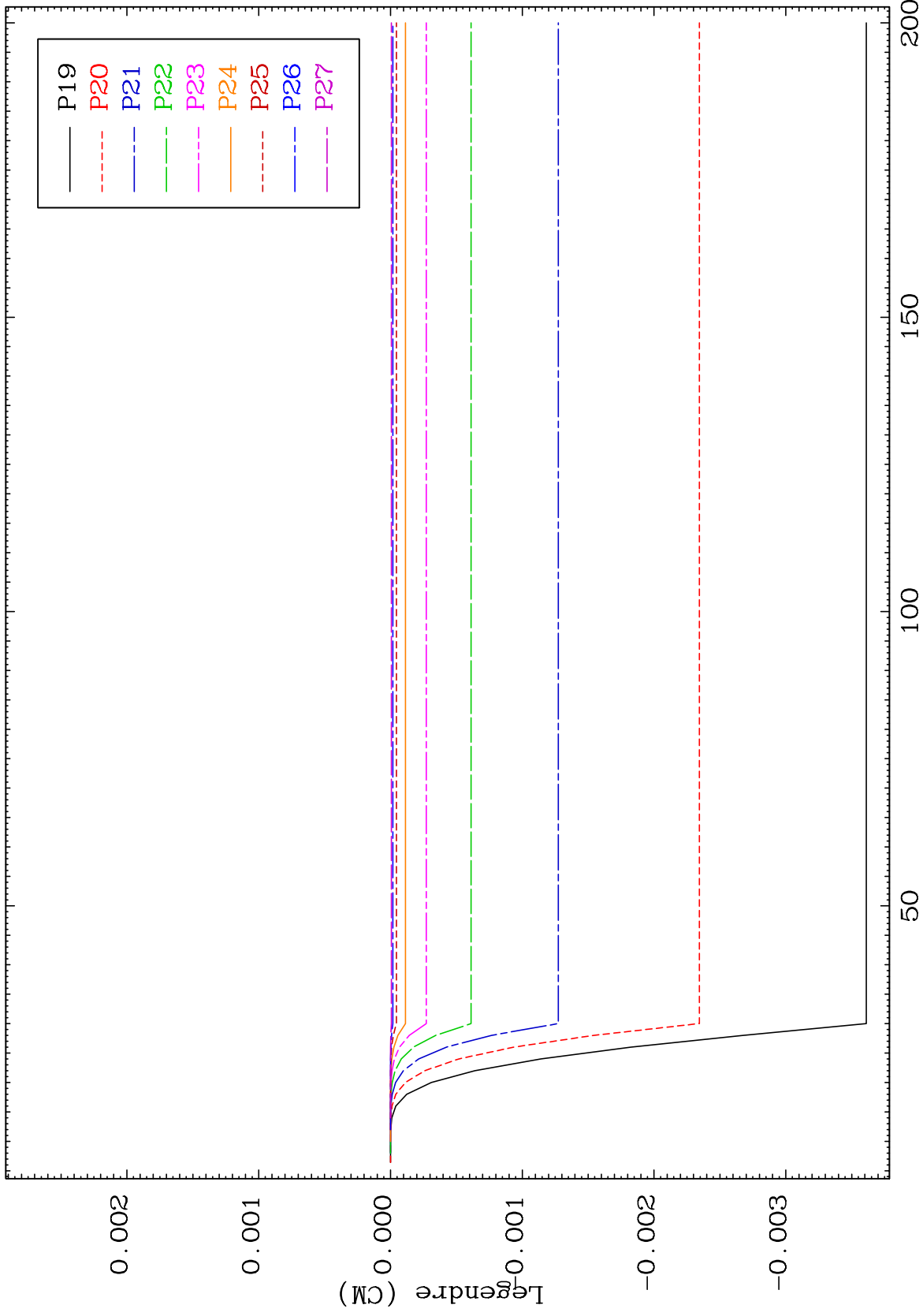
MT= 51 (n,n') Level
Legendre Coefficients

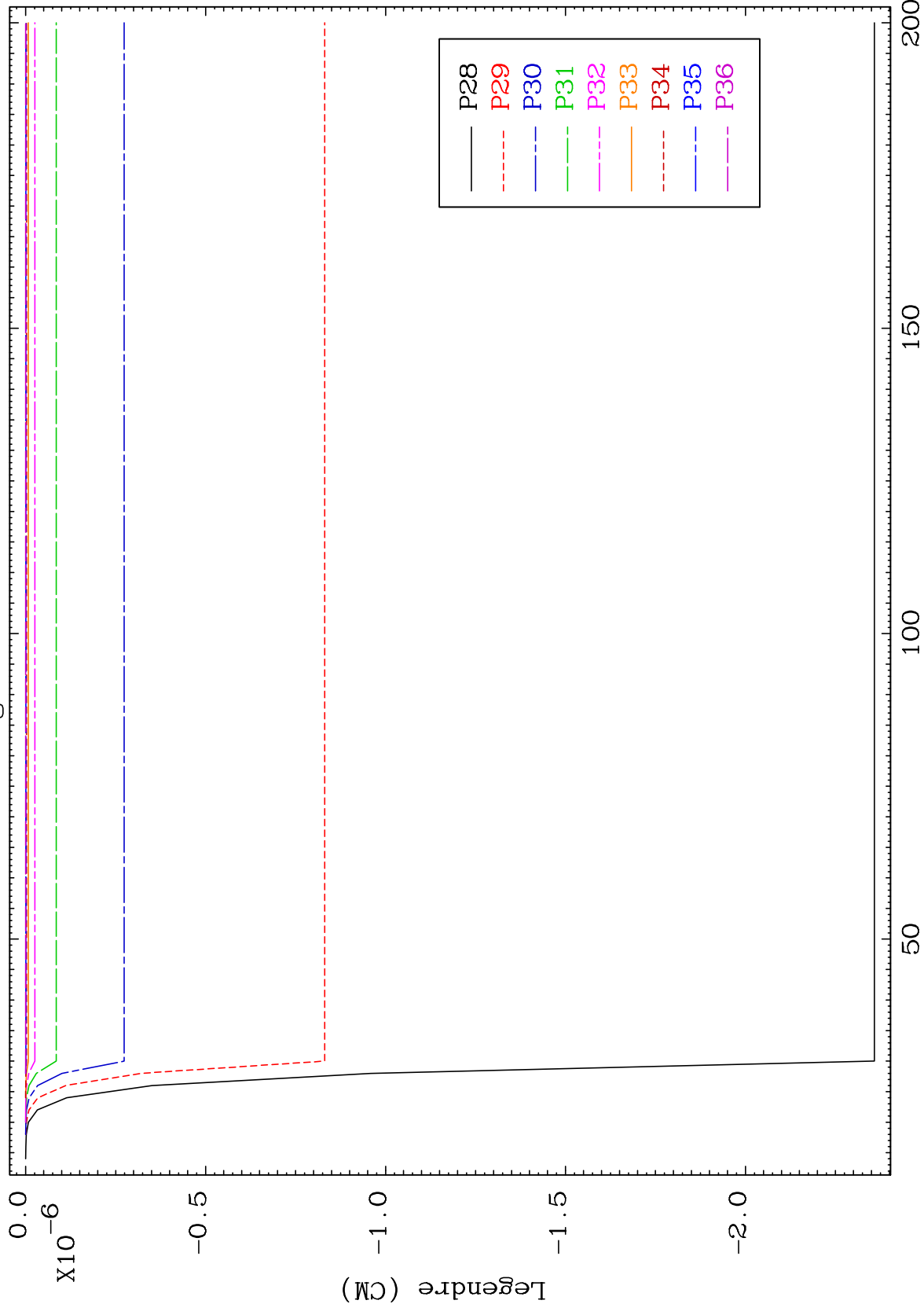
53-I -116

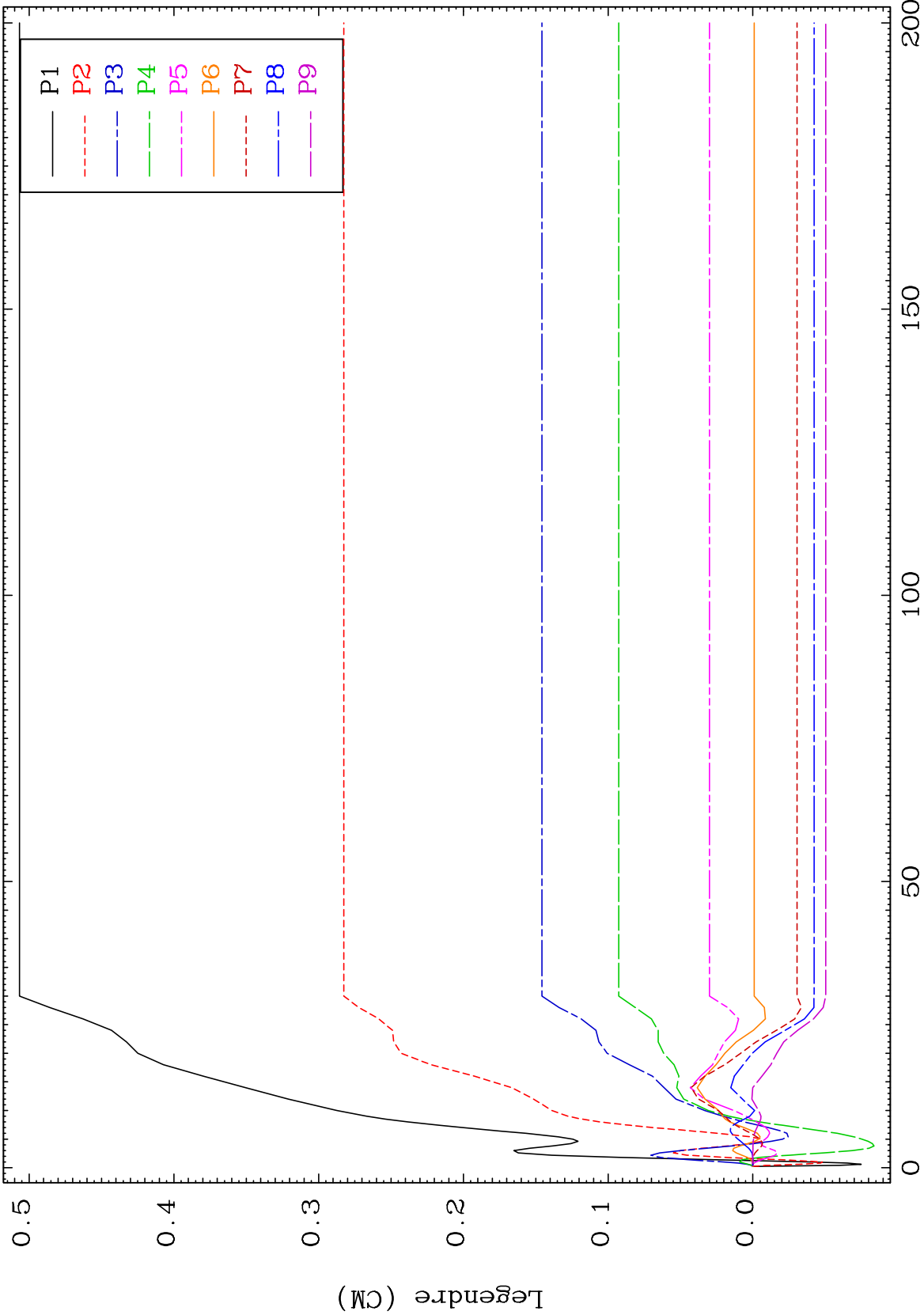


53-I -116





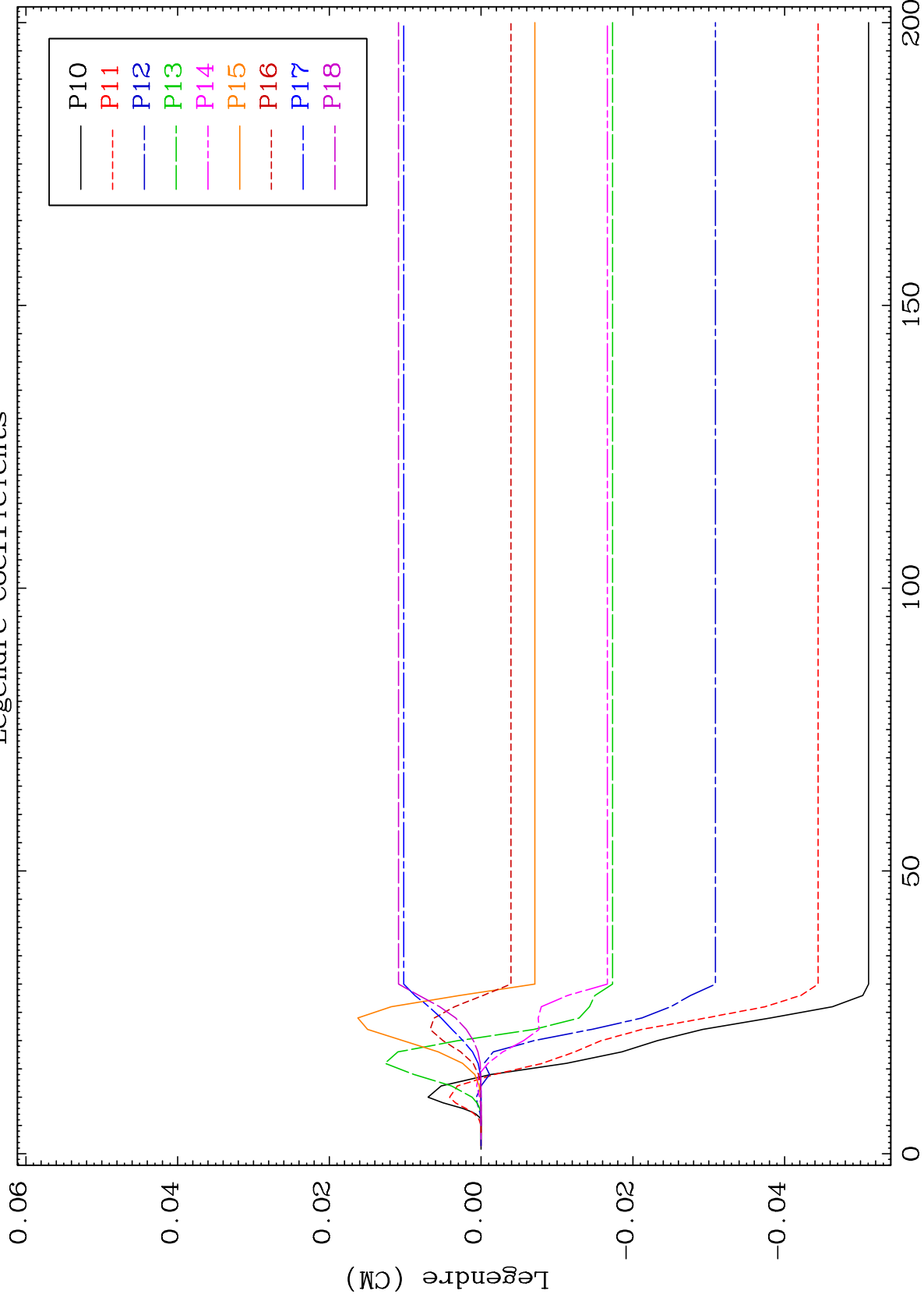




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MT= 52 (n,n') Level
Legendre Coefficients

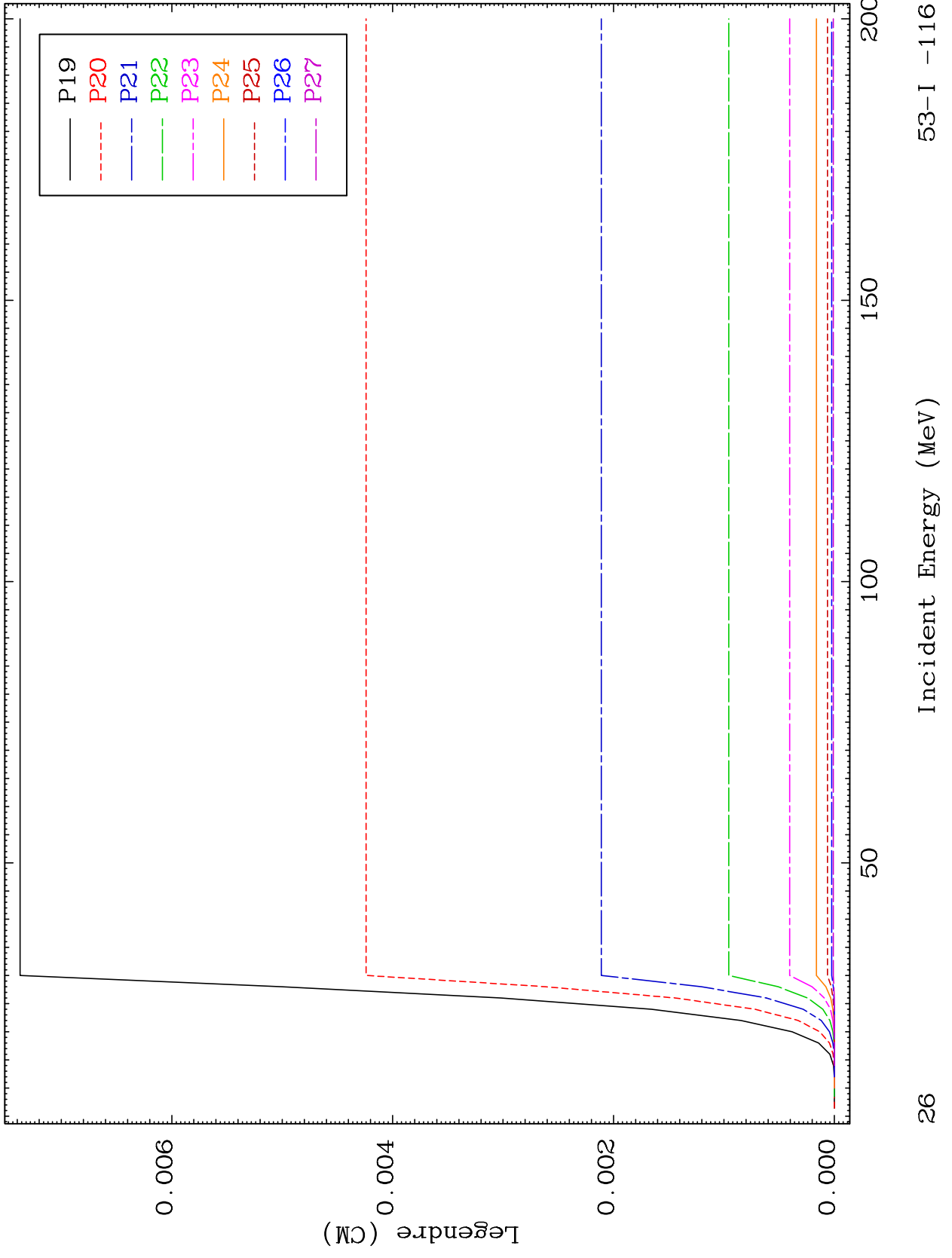
53-I -116

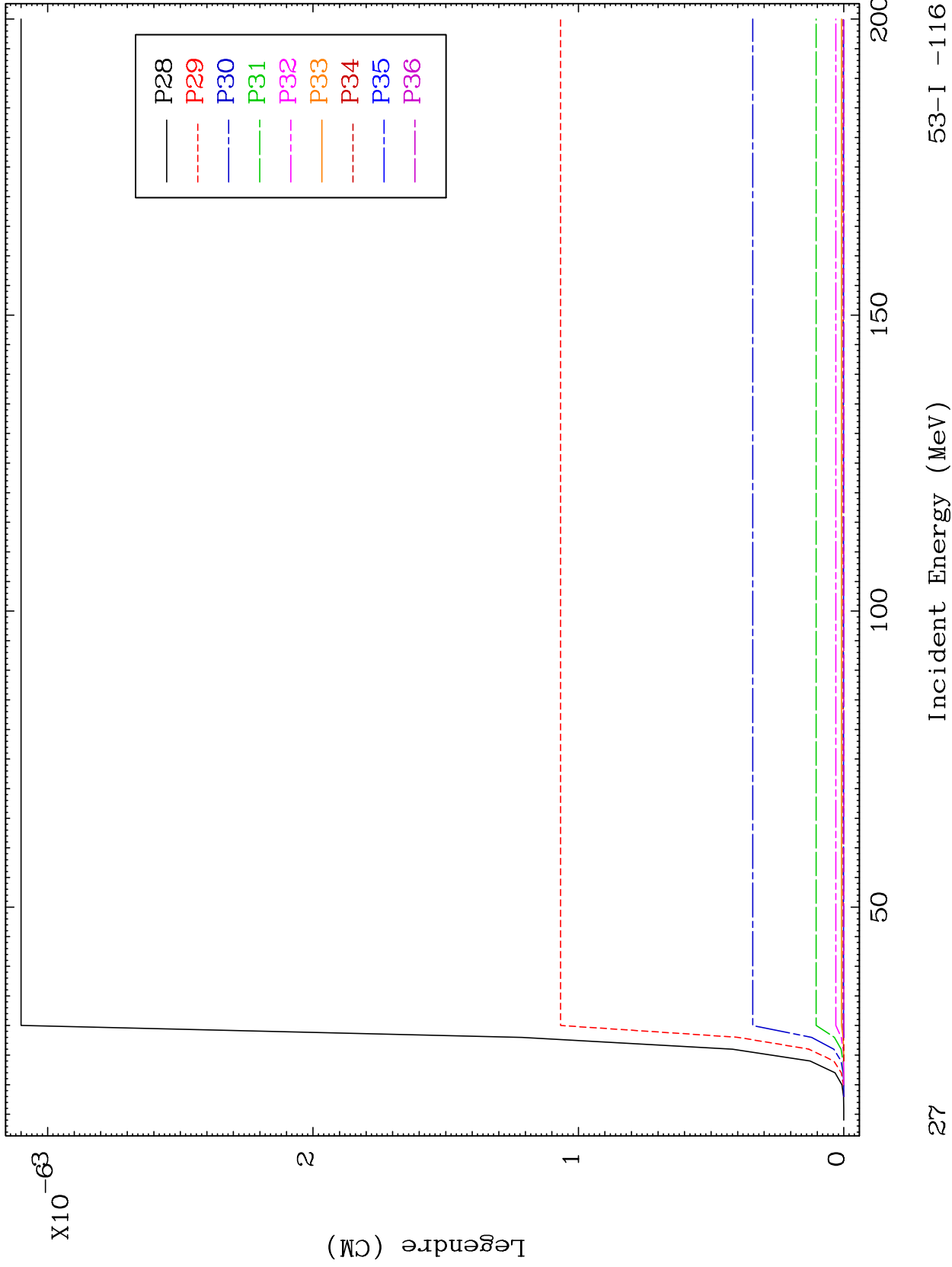


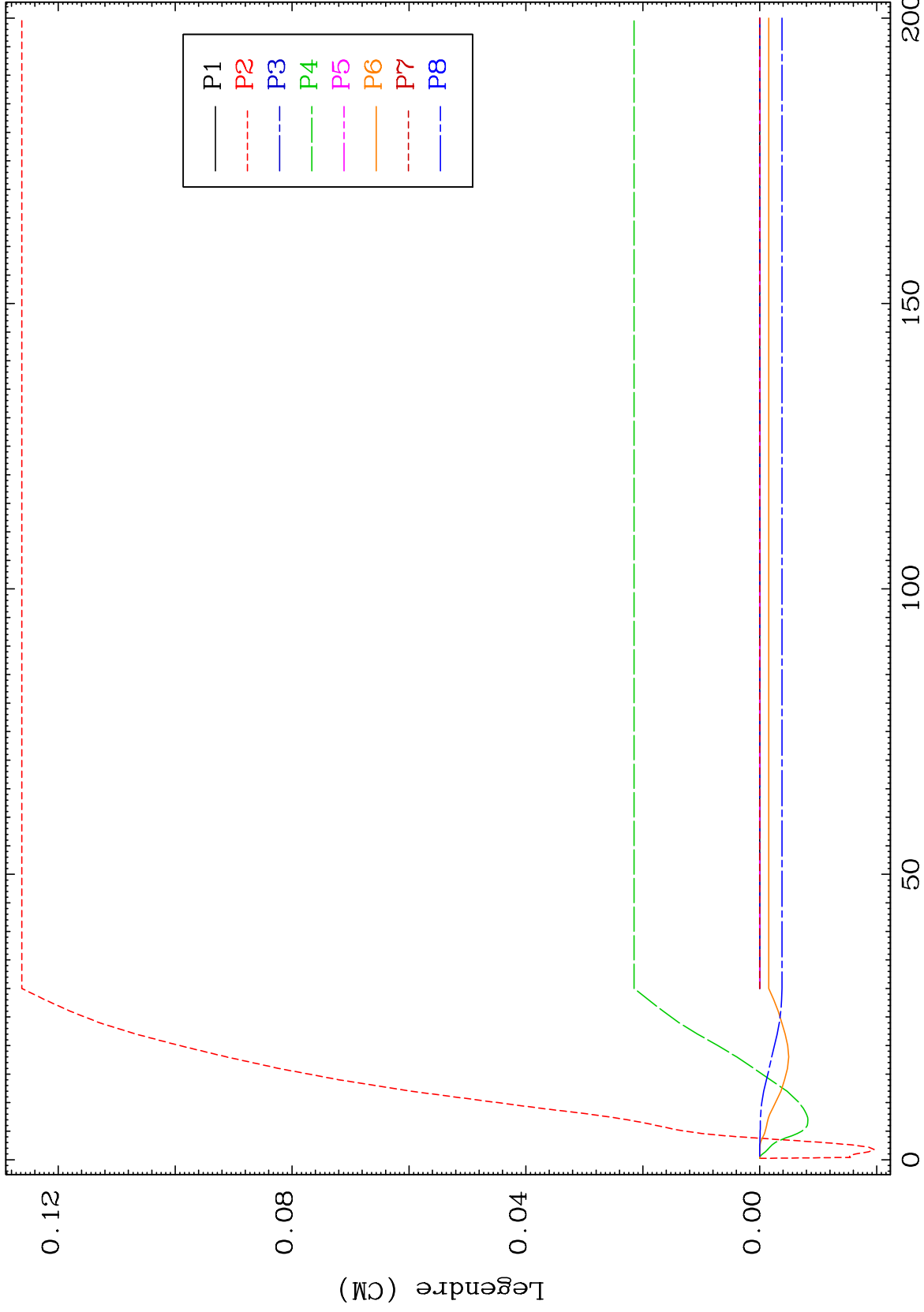
25

Incident Energy (MeV)

53-I -116



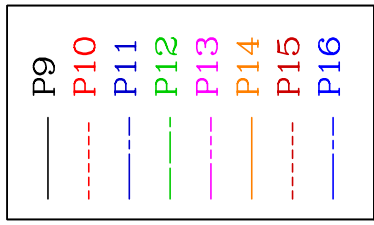
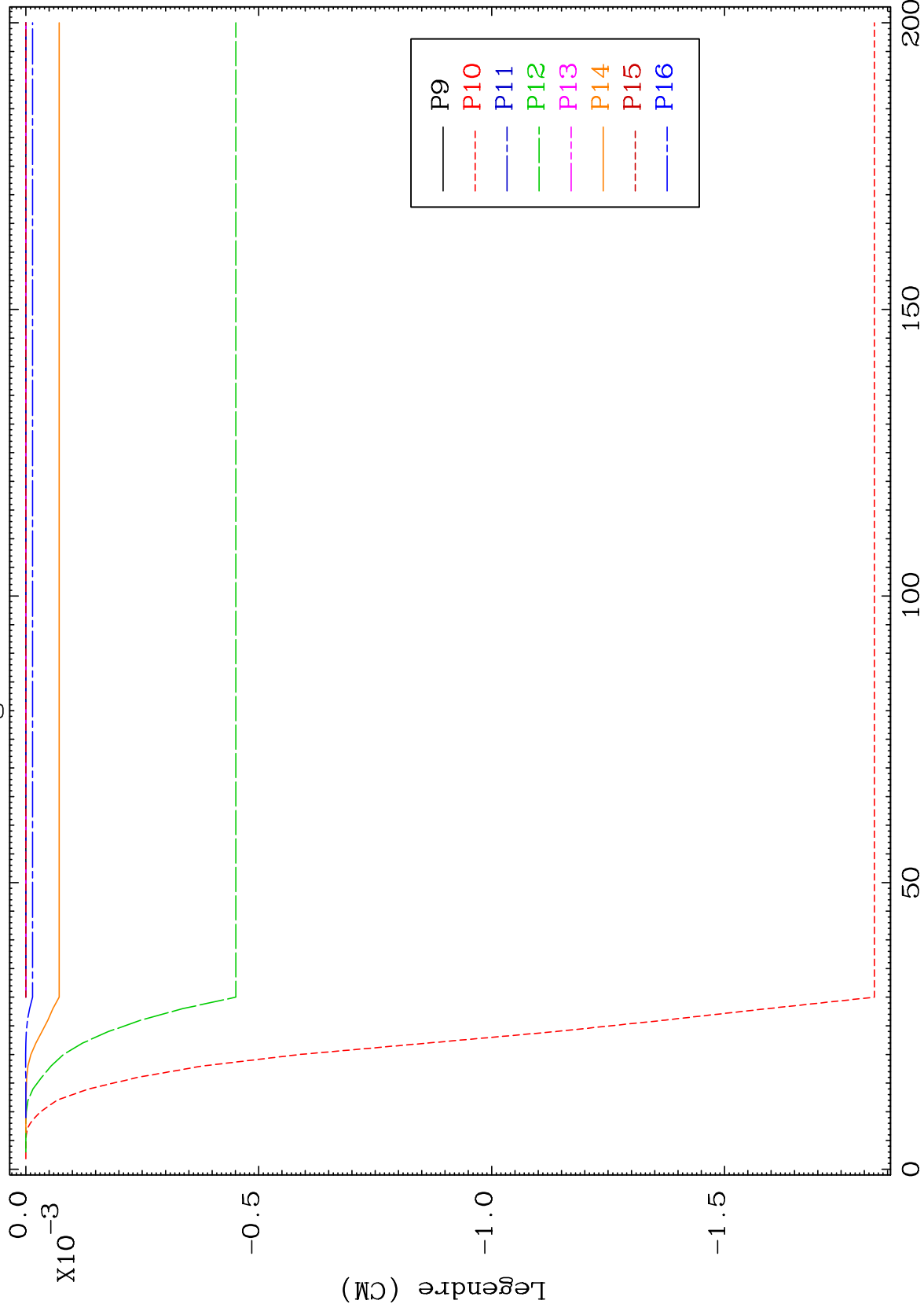




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MT= 53 (n,n') Level
Legendre Coefficients

53-I -116



29

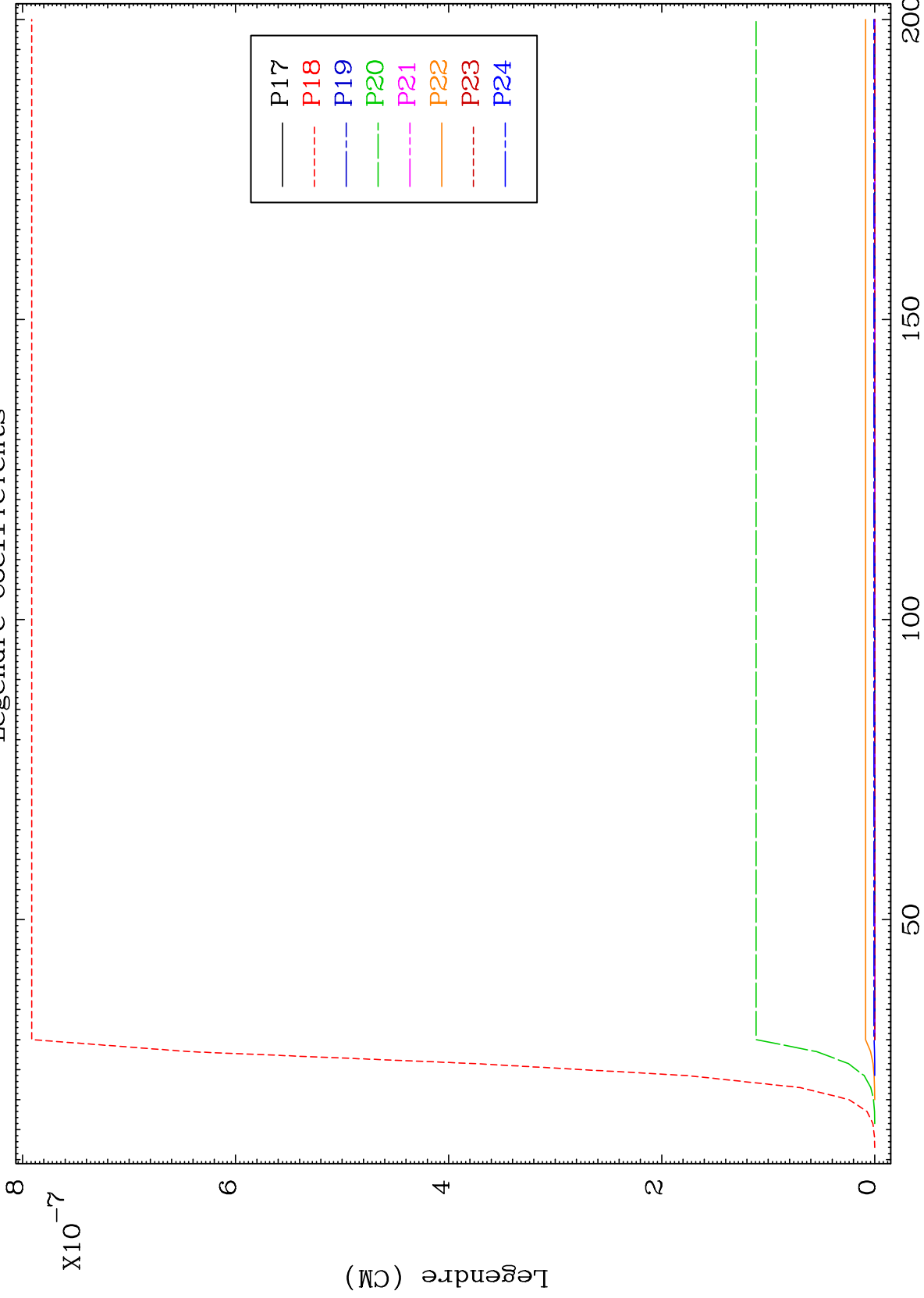
Incident Energy (MeV)

53-I -116

MAT 5292

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

53-I -116



30

50

100

150

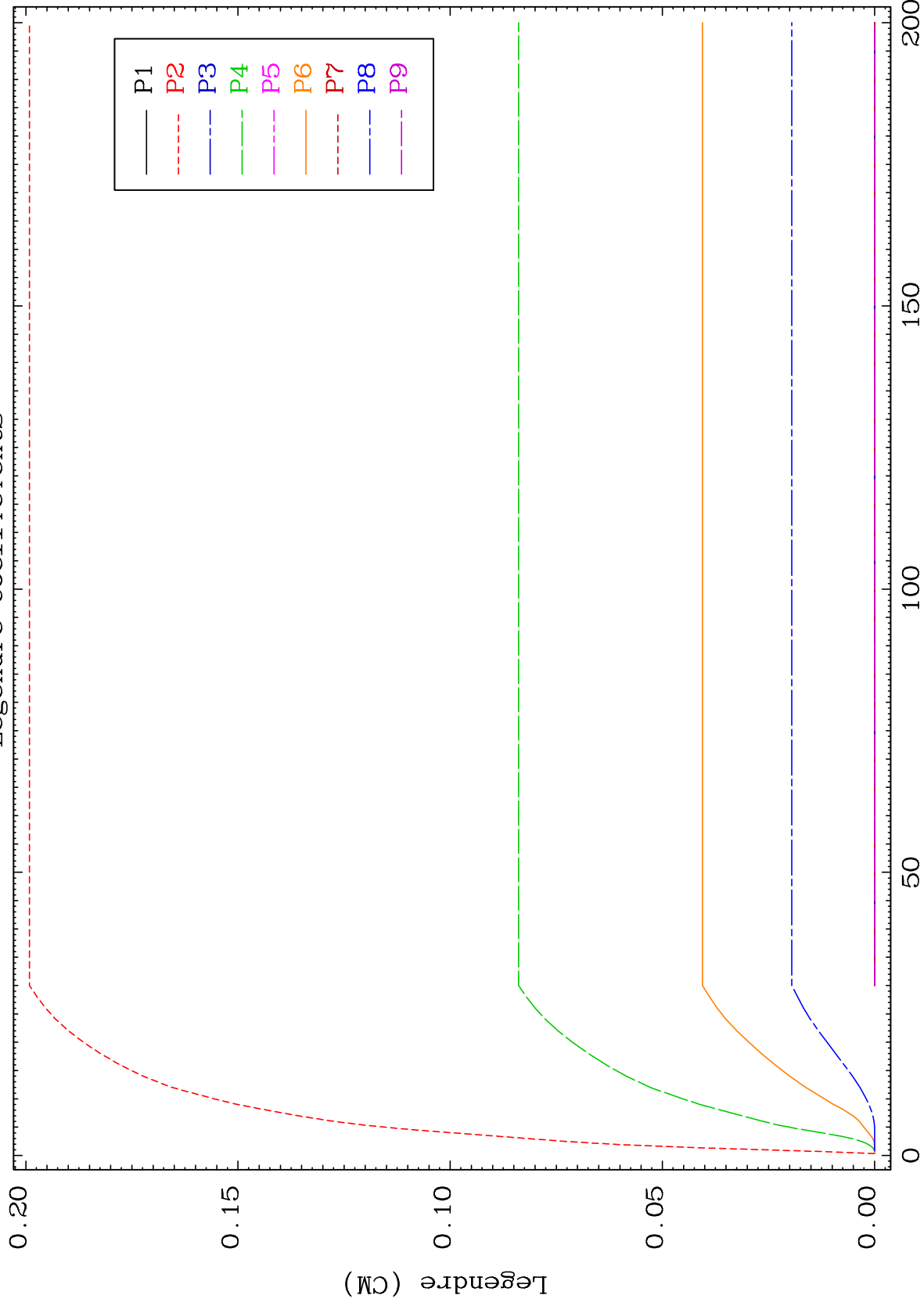
200

53-I -116

MAT 5292

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

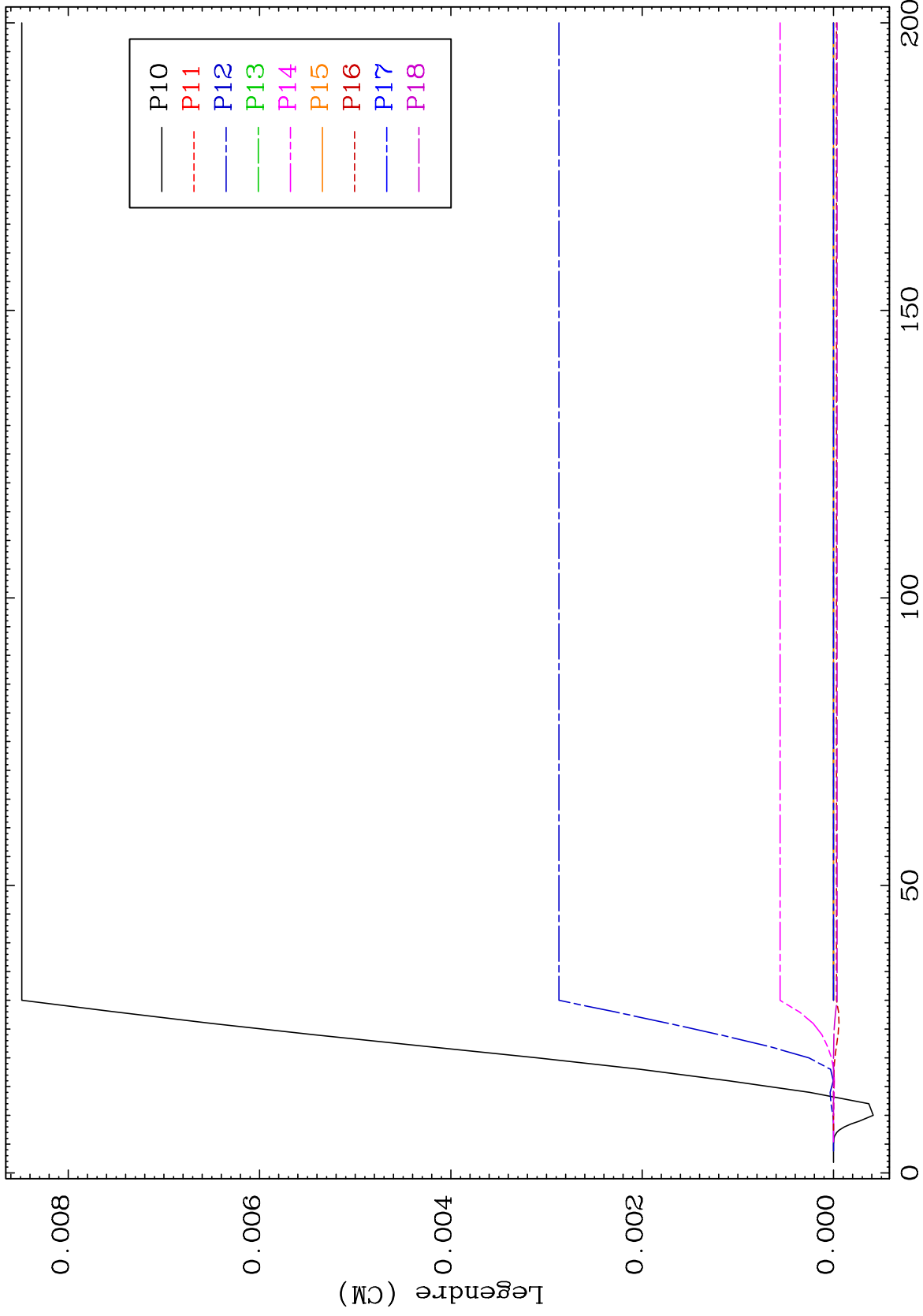
53-I -116

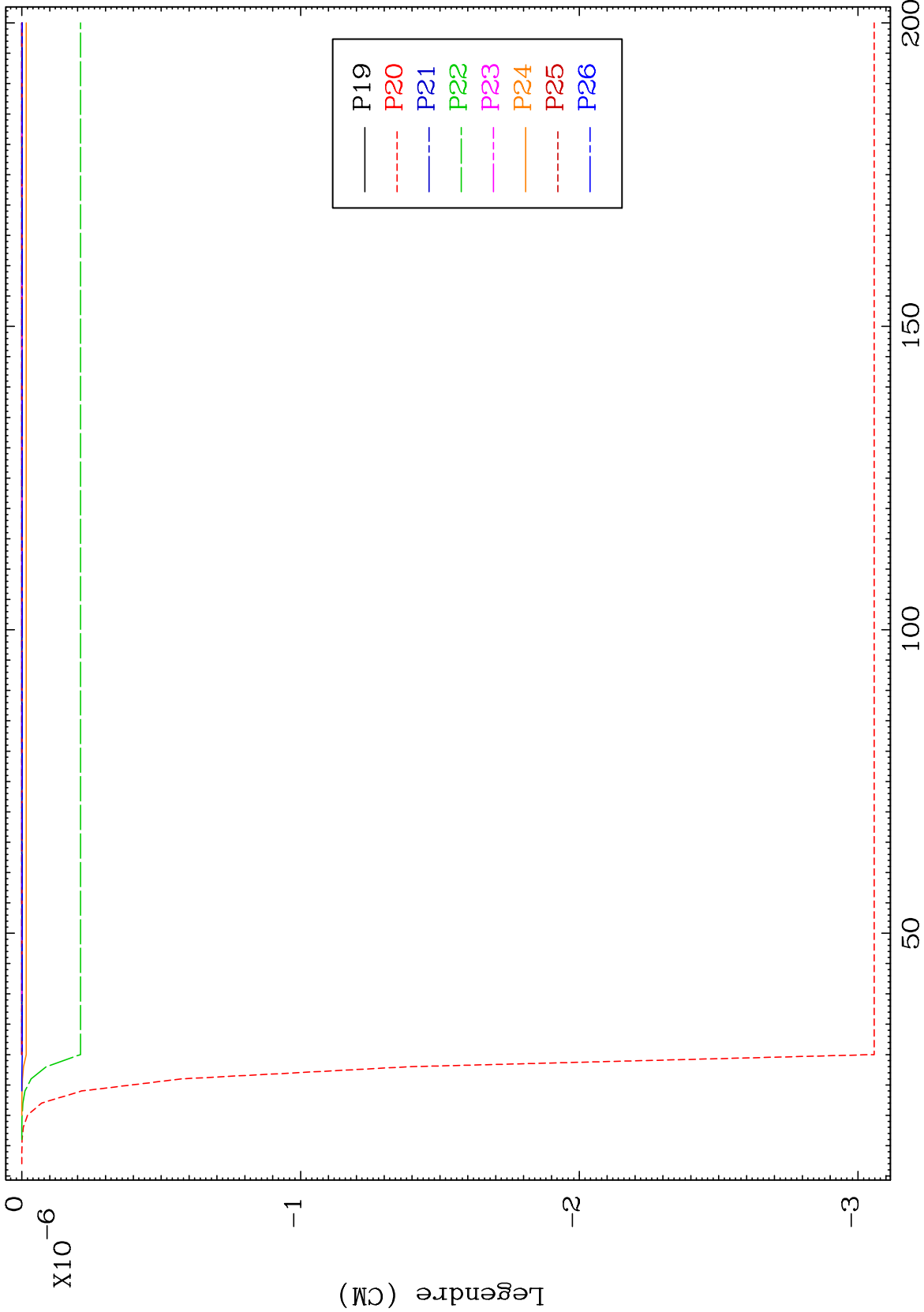


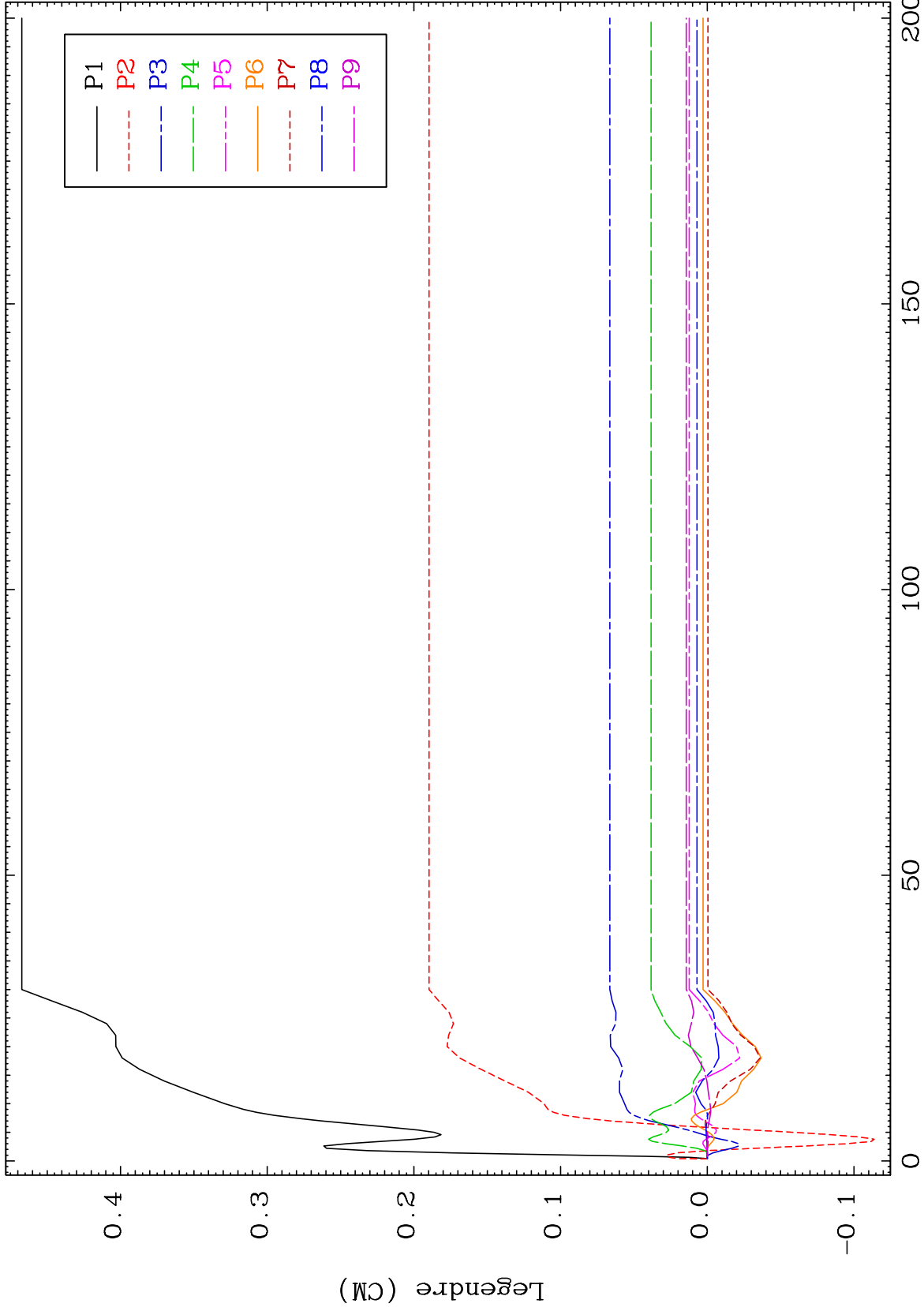
31

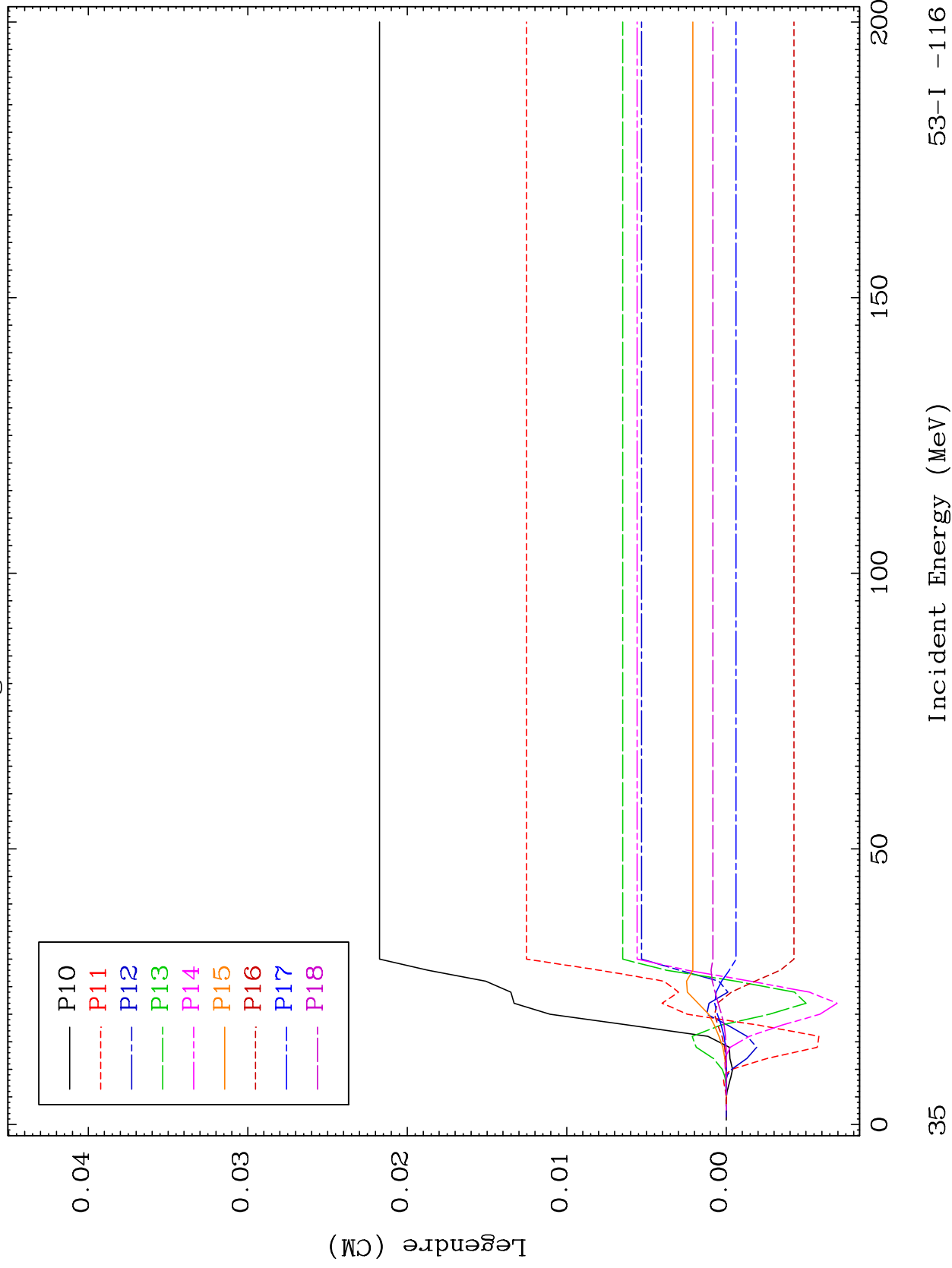
Incident Energy (MeV)

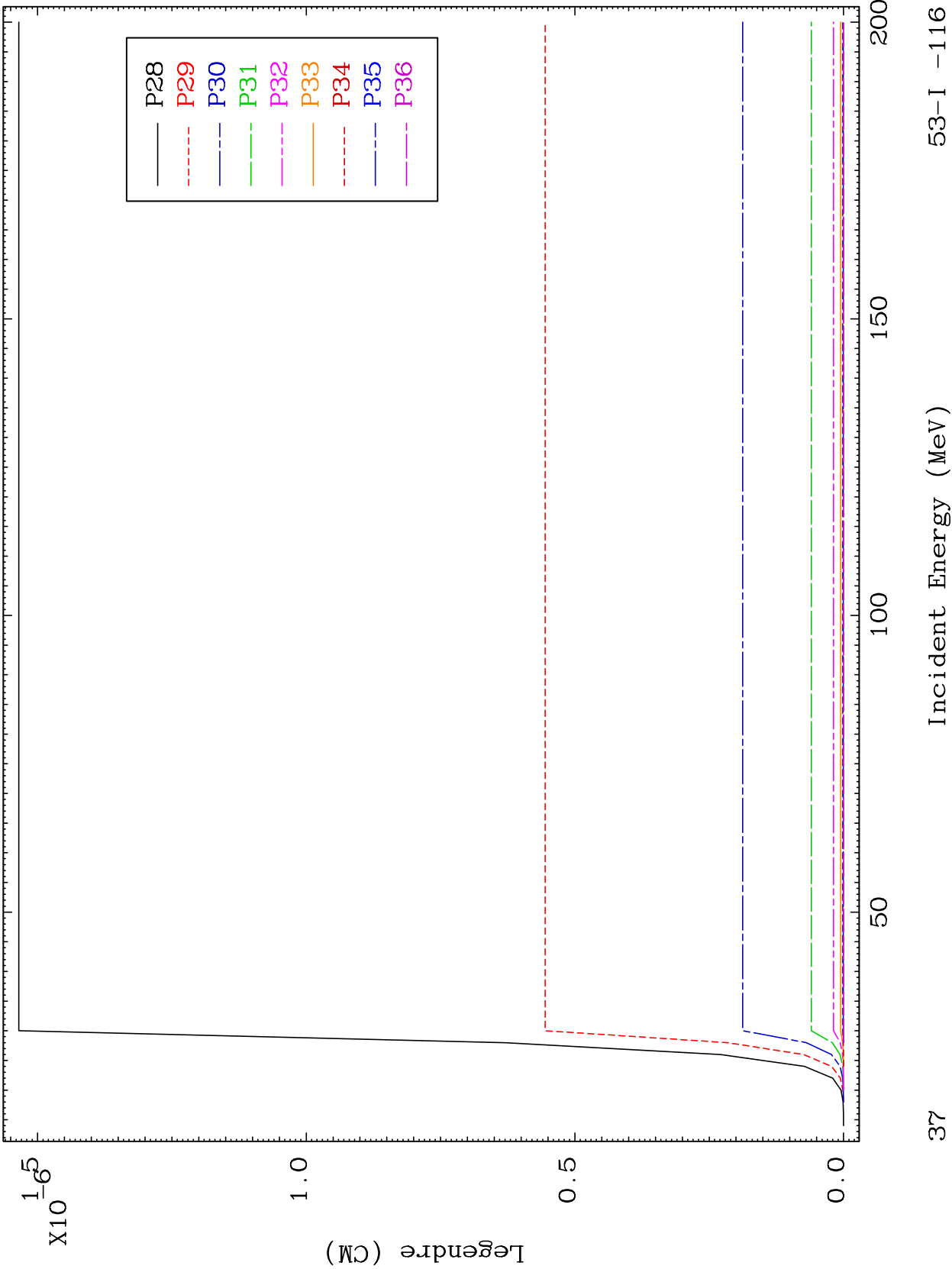
53-I -116







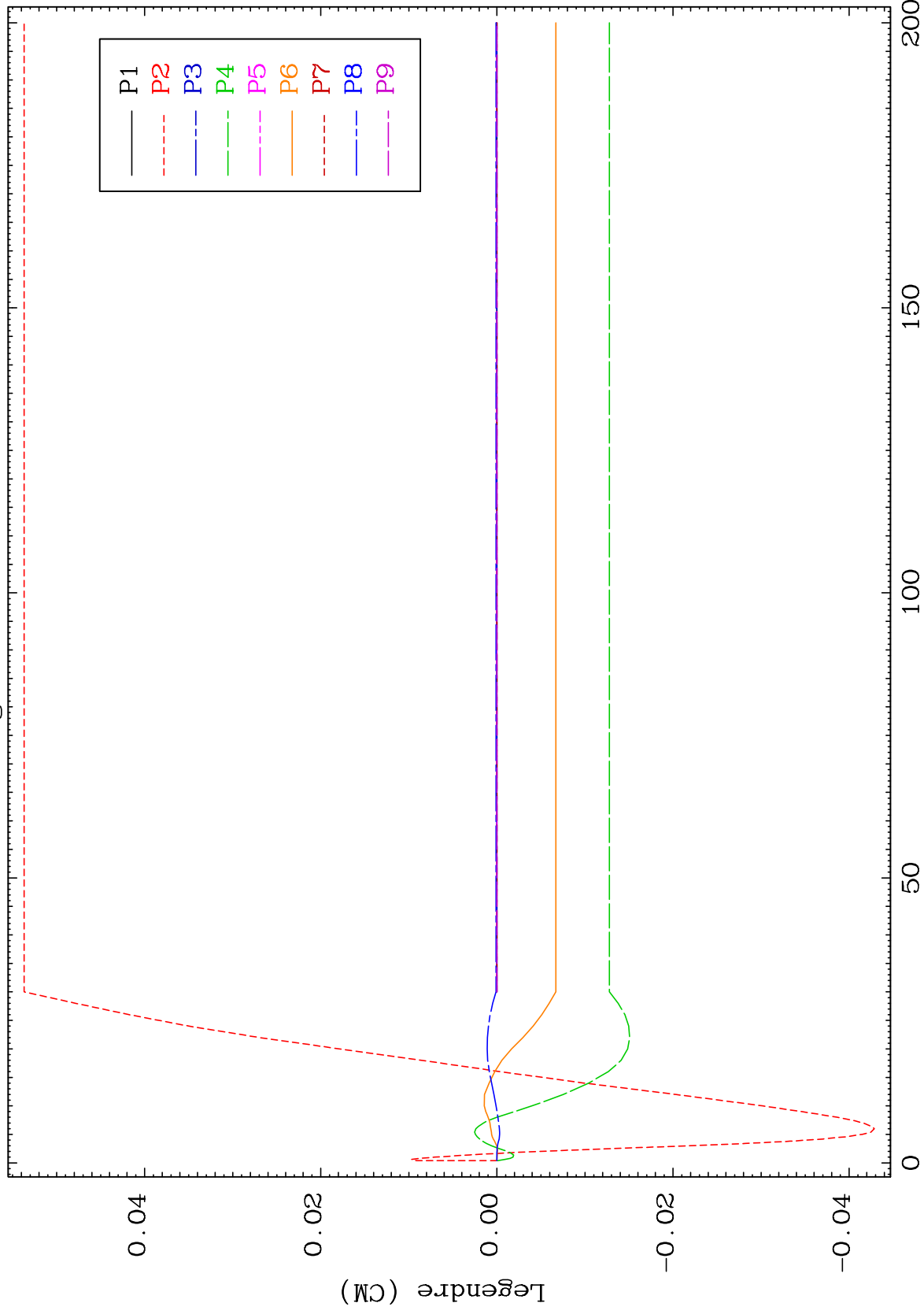




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MT= 56 (n,n') Level
Legendre Coefficients

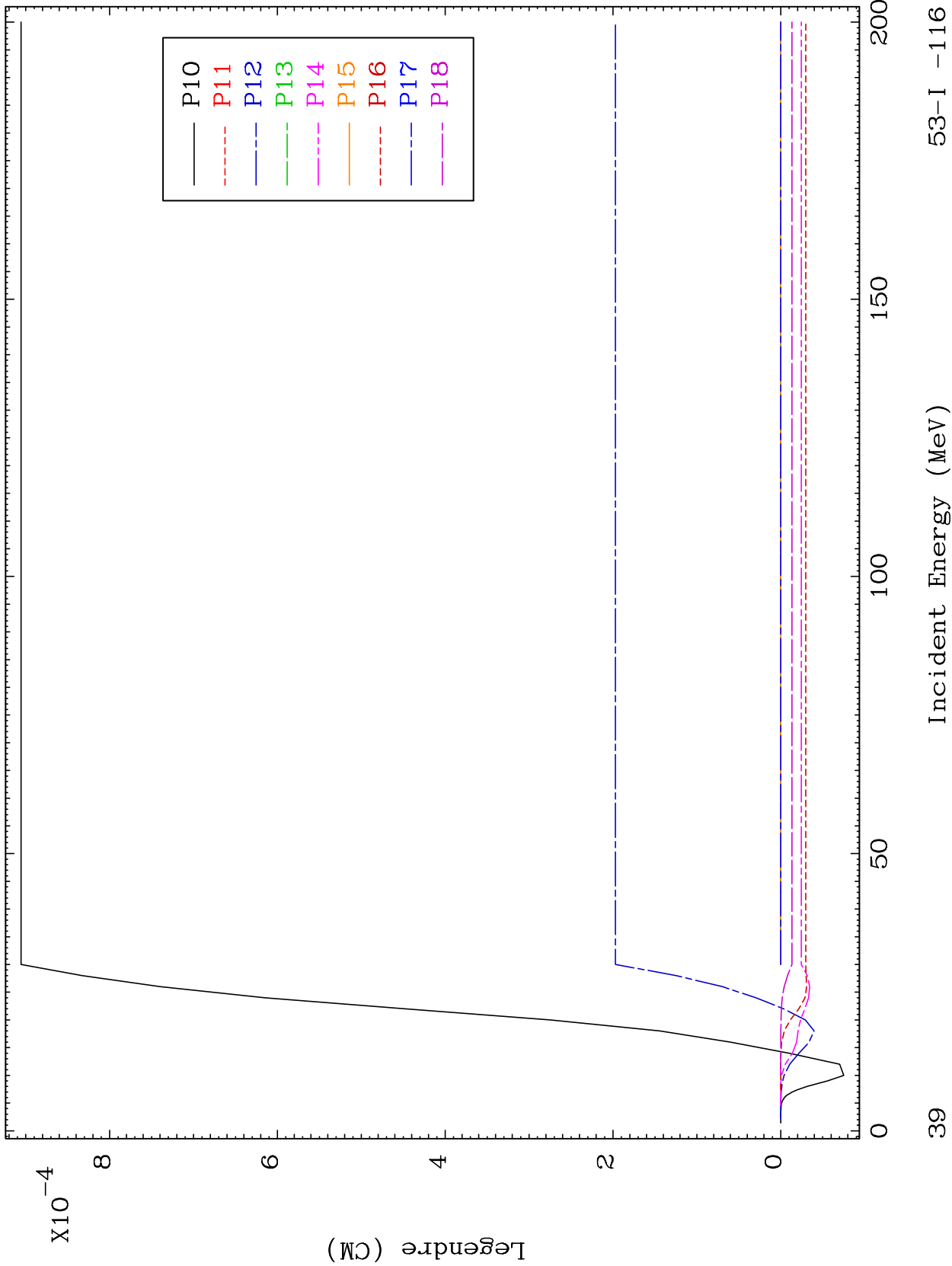
53-I -116



38

Incident Energy (MeV)

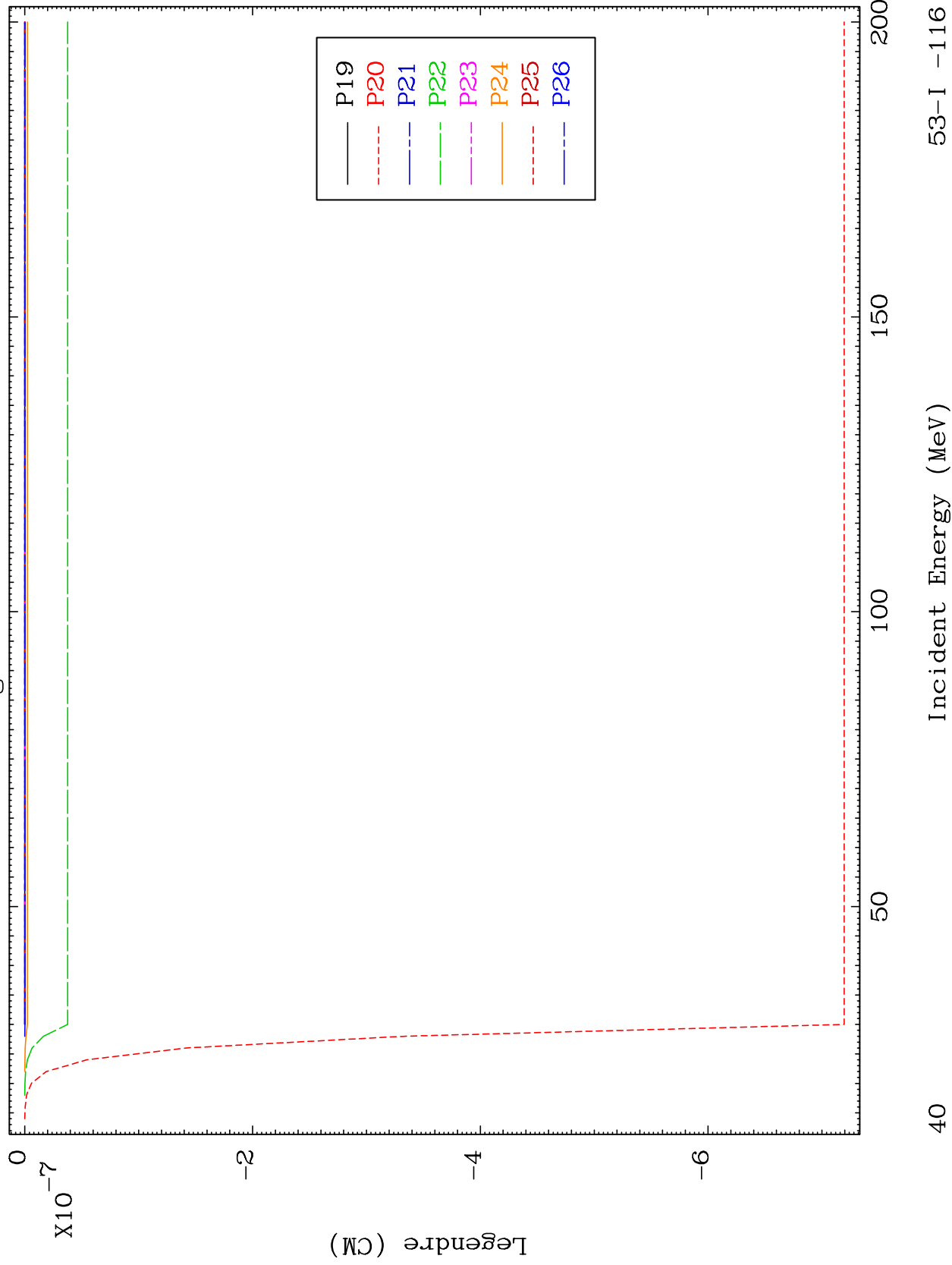
53-I -116



MAT 5292

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

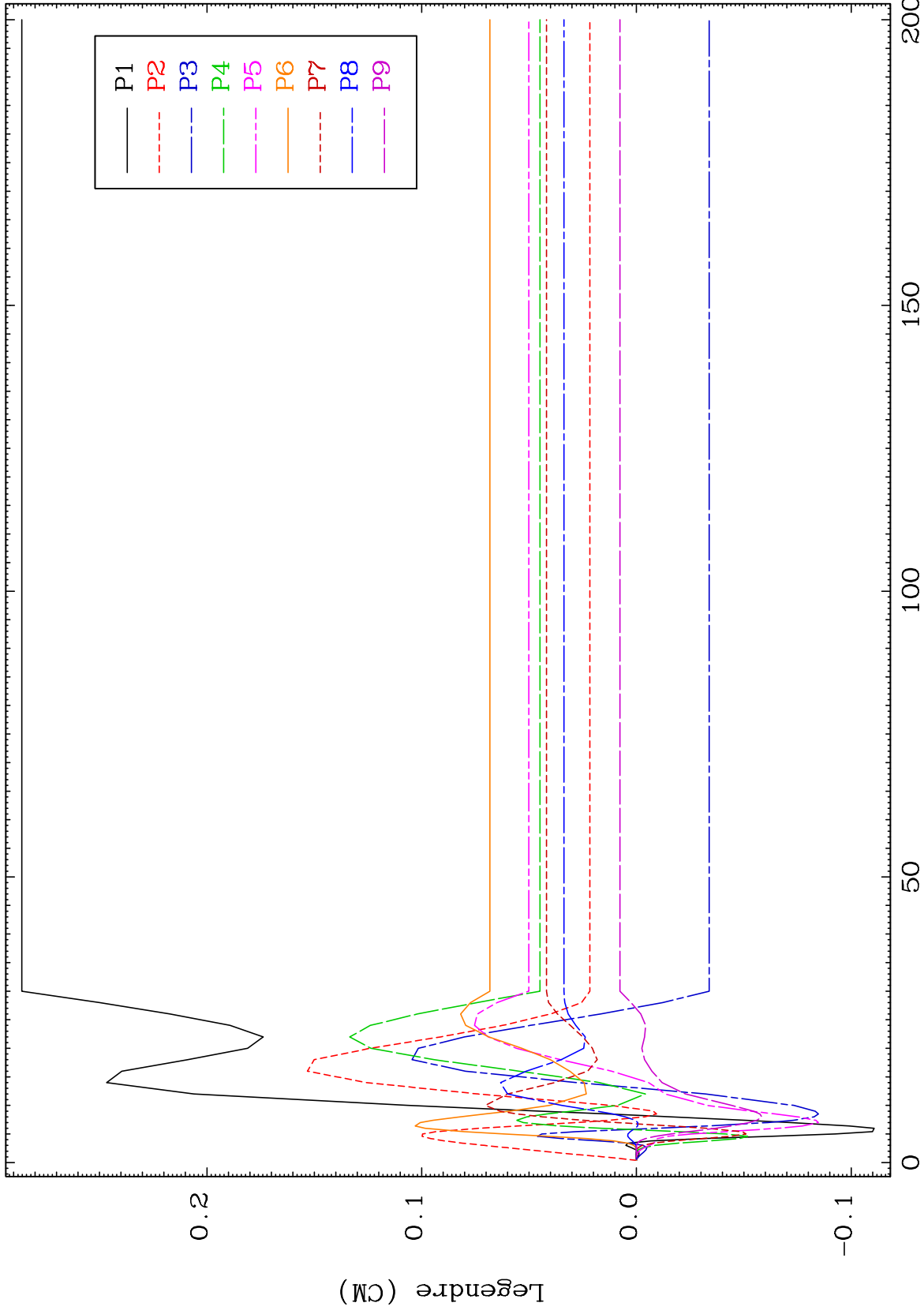
53-I -116

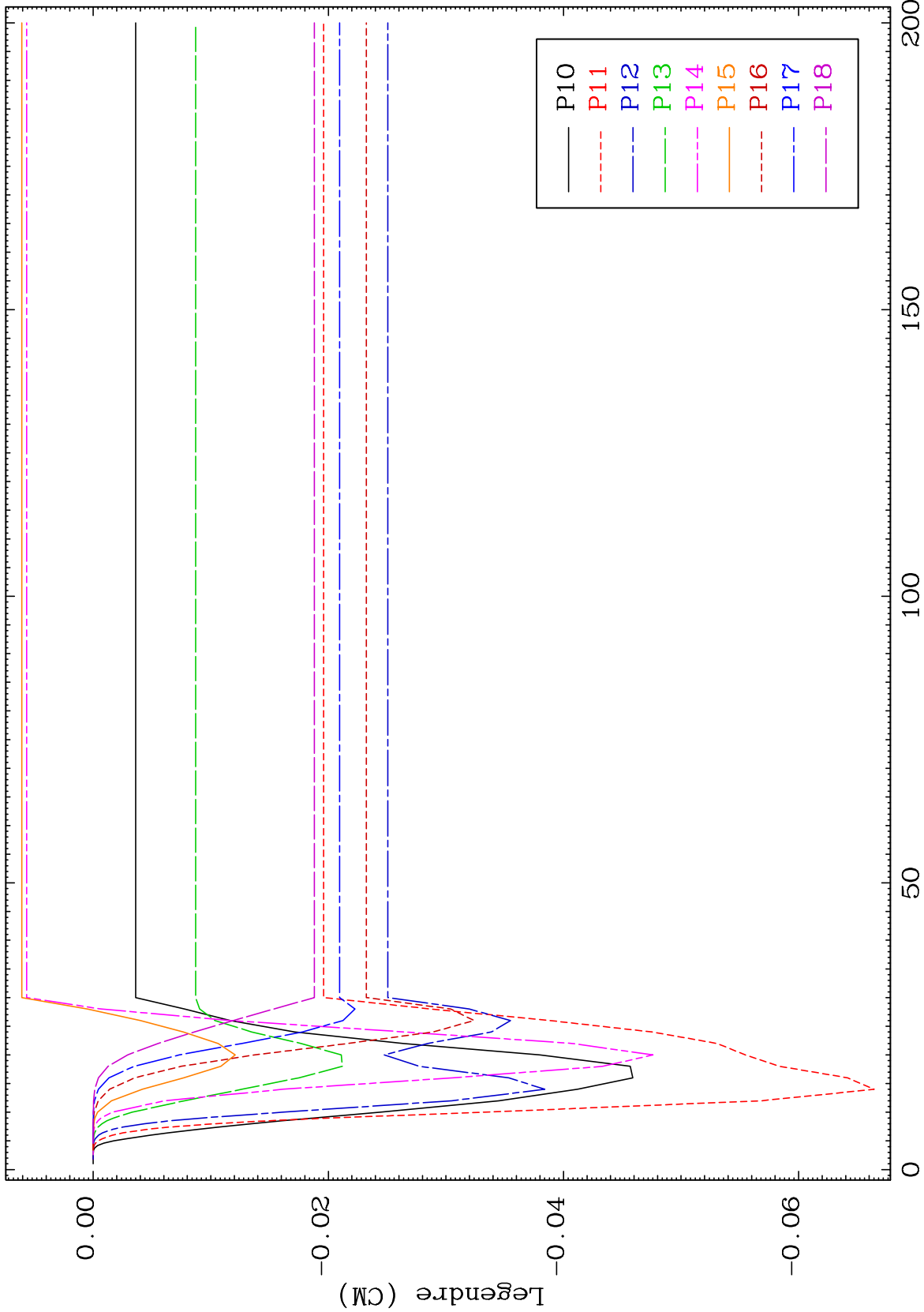


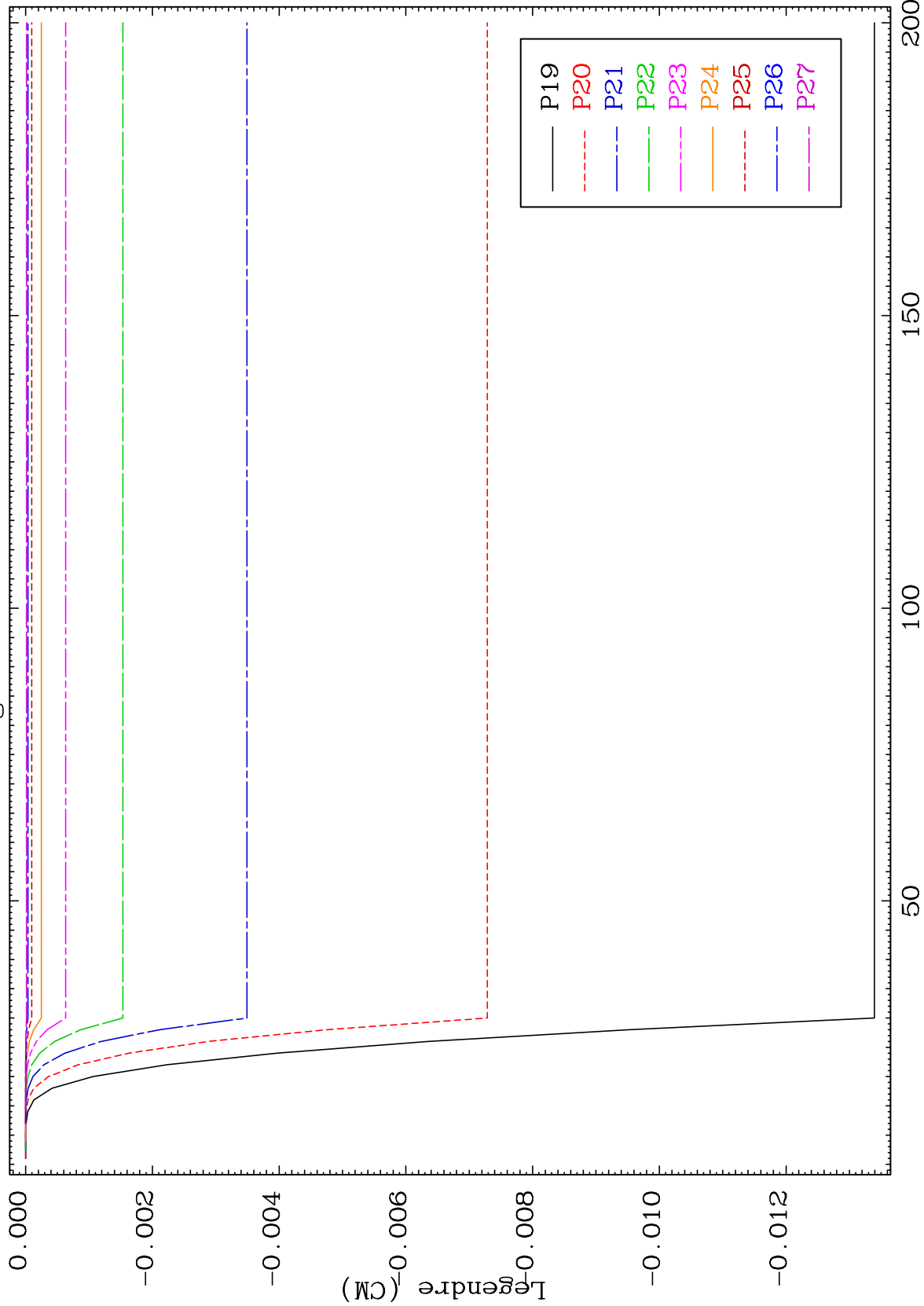
53-I -116

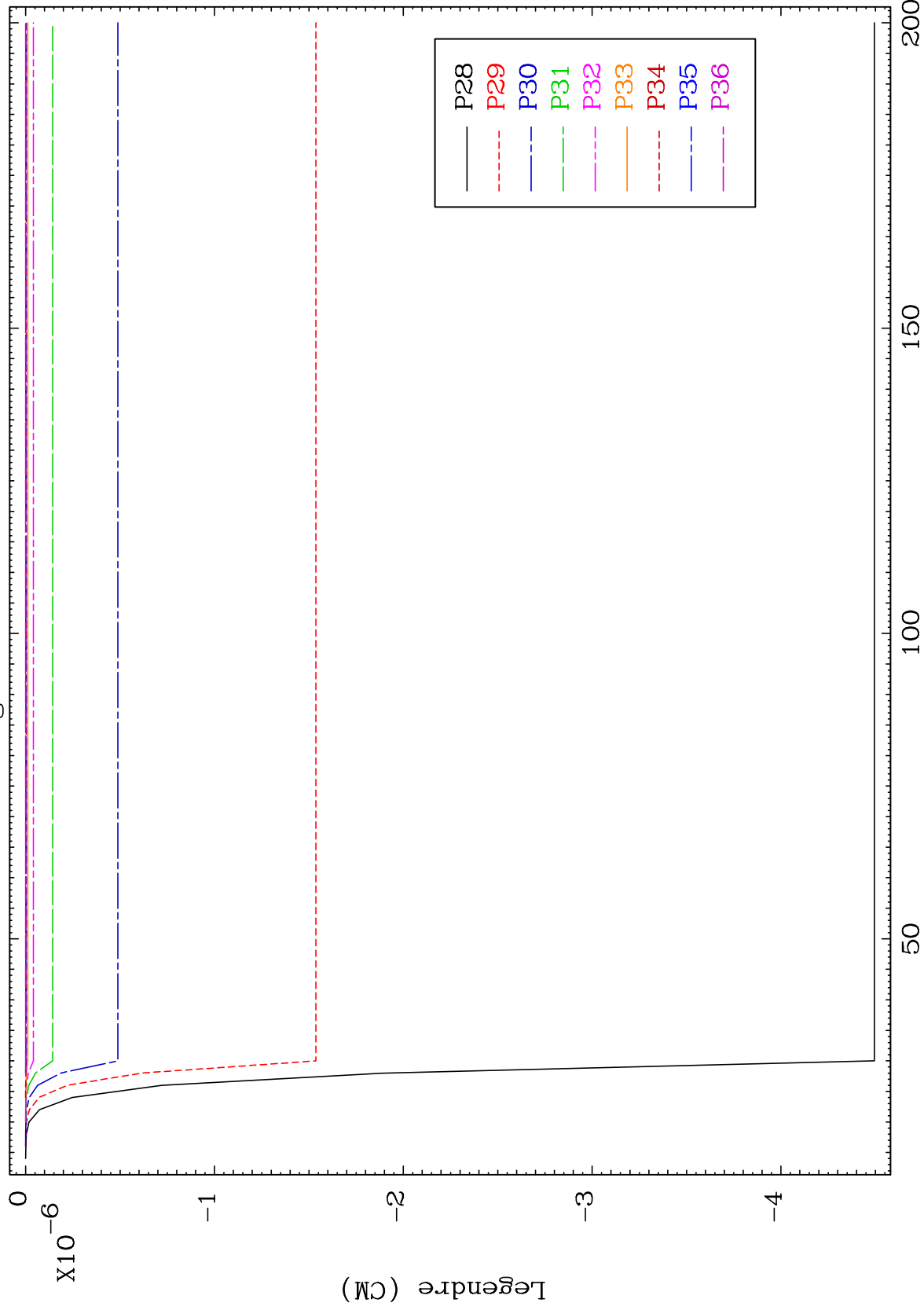
Incident Energy (MeV)

40







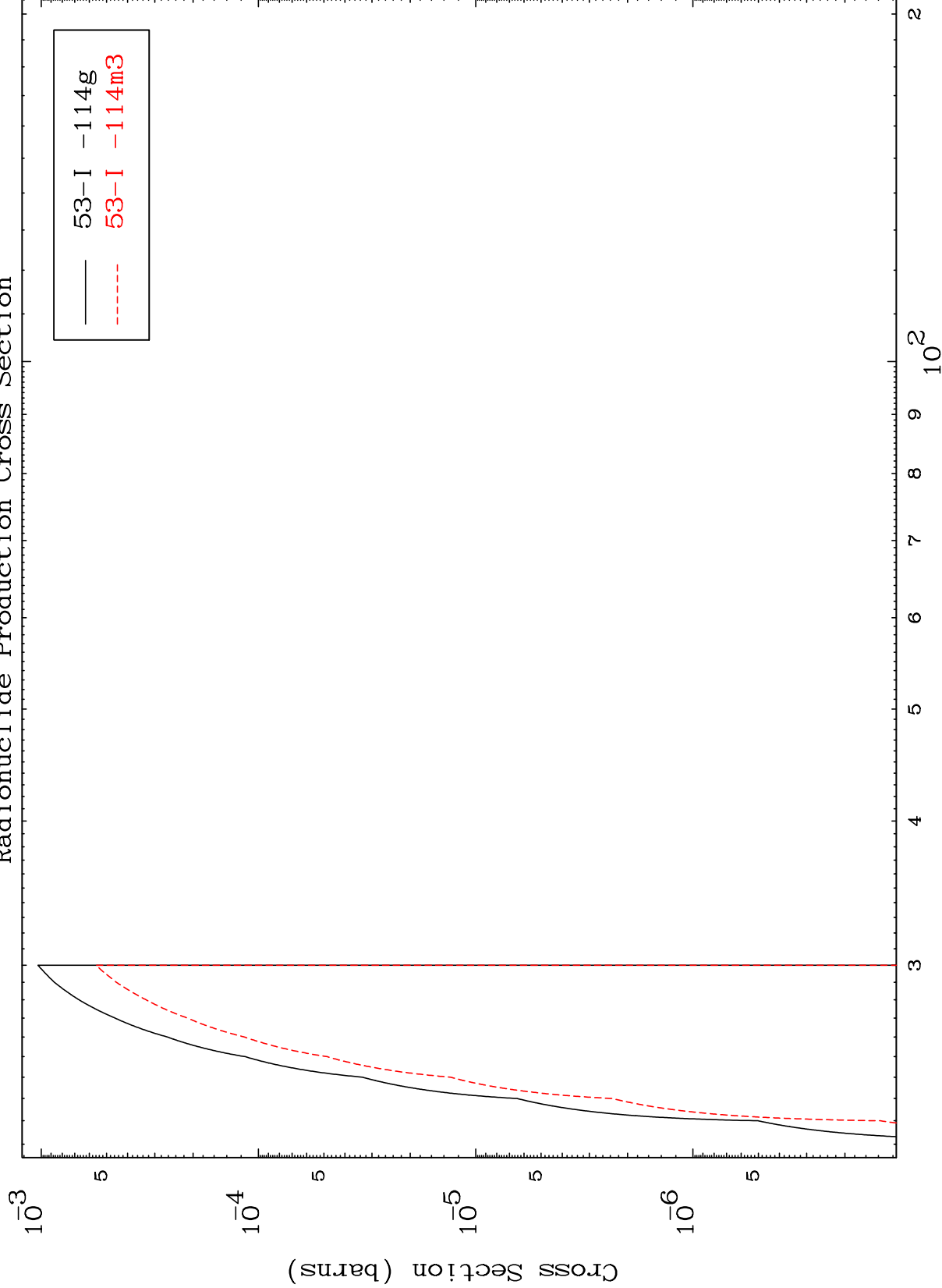


MAT 5292

(n,3n)

53-I -116

Radionuclide Production Cross Section



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

45

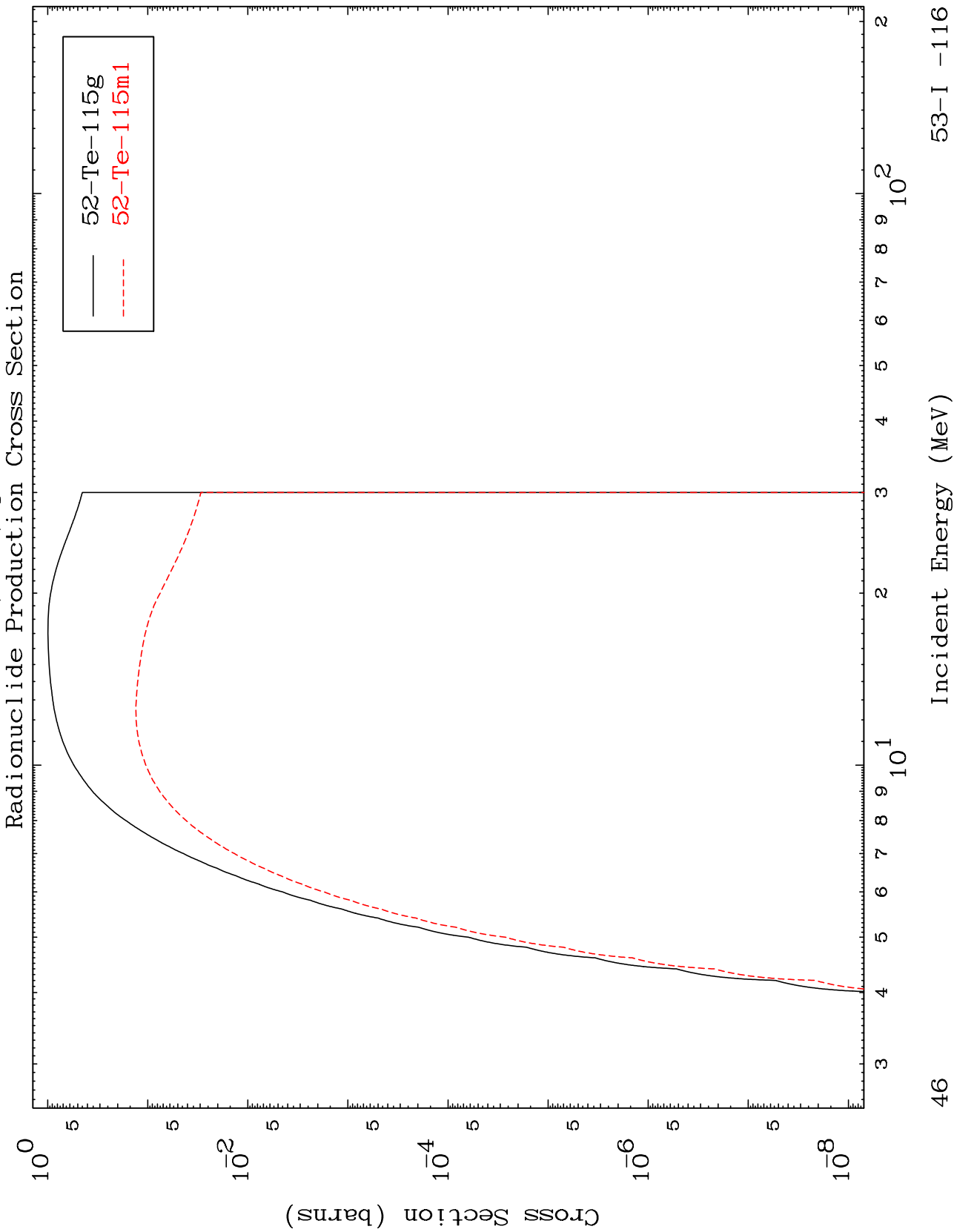
Incident Energy (MeV)

53-I -116

MAT 5292

(n,n') p

53-I -116



46

Incident Energy (MeV)

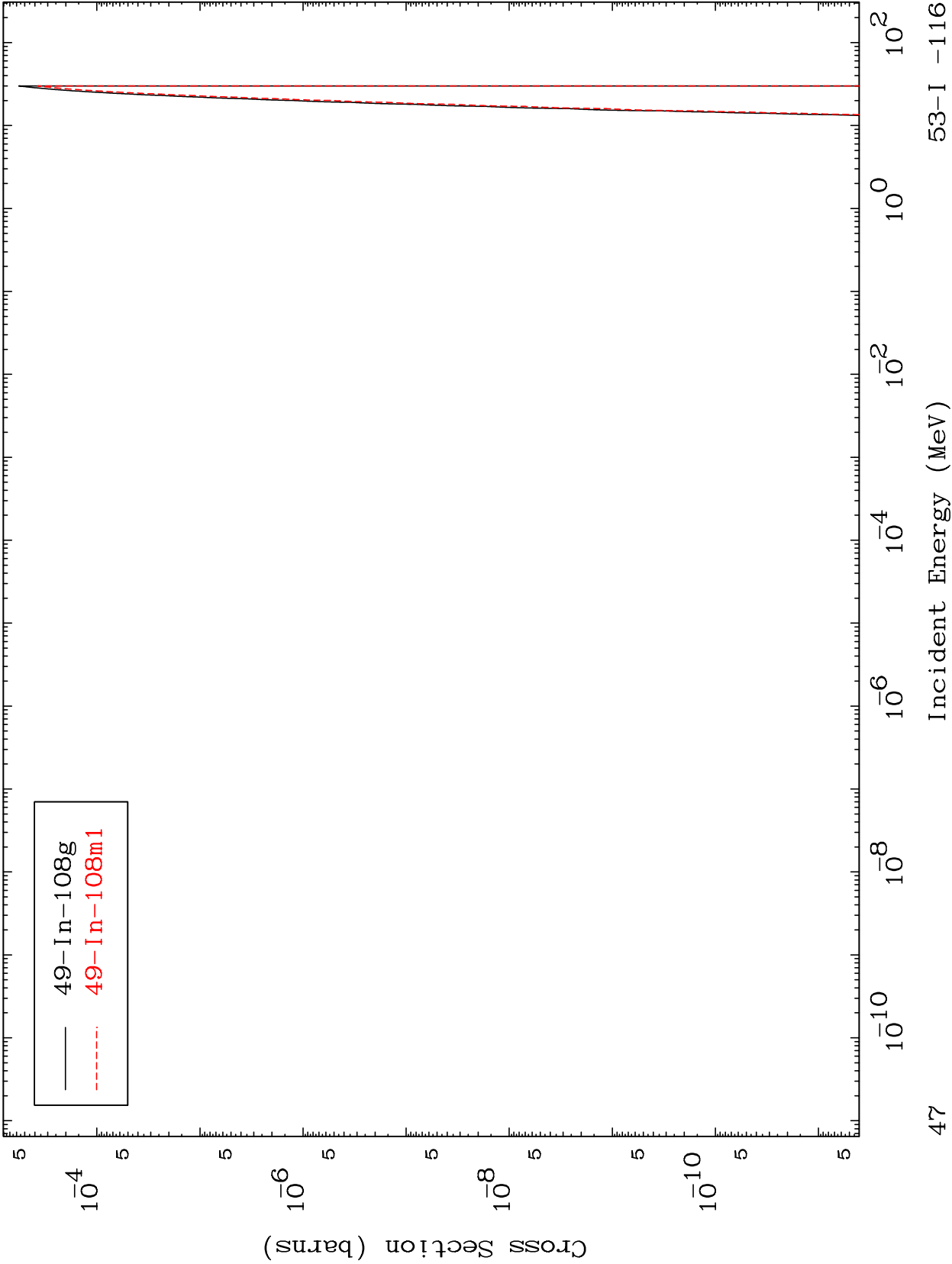
53-I -116

MAT 5292

(n,n') 2α

53-I -116

Radionuclide Production Cross Section

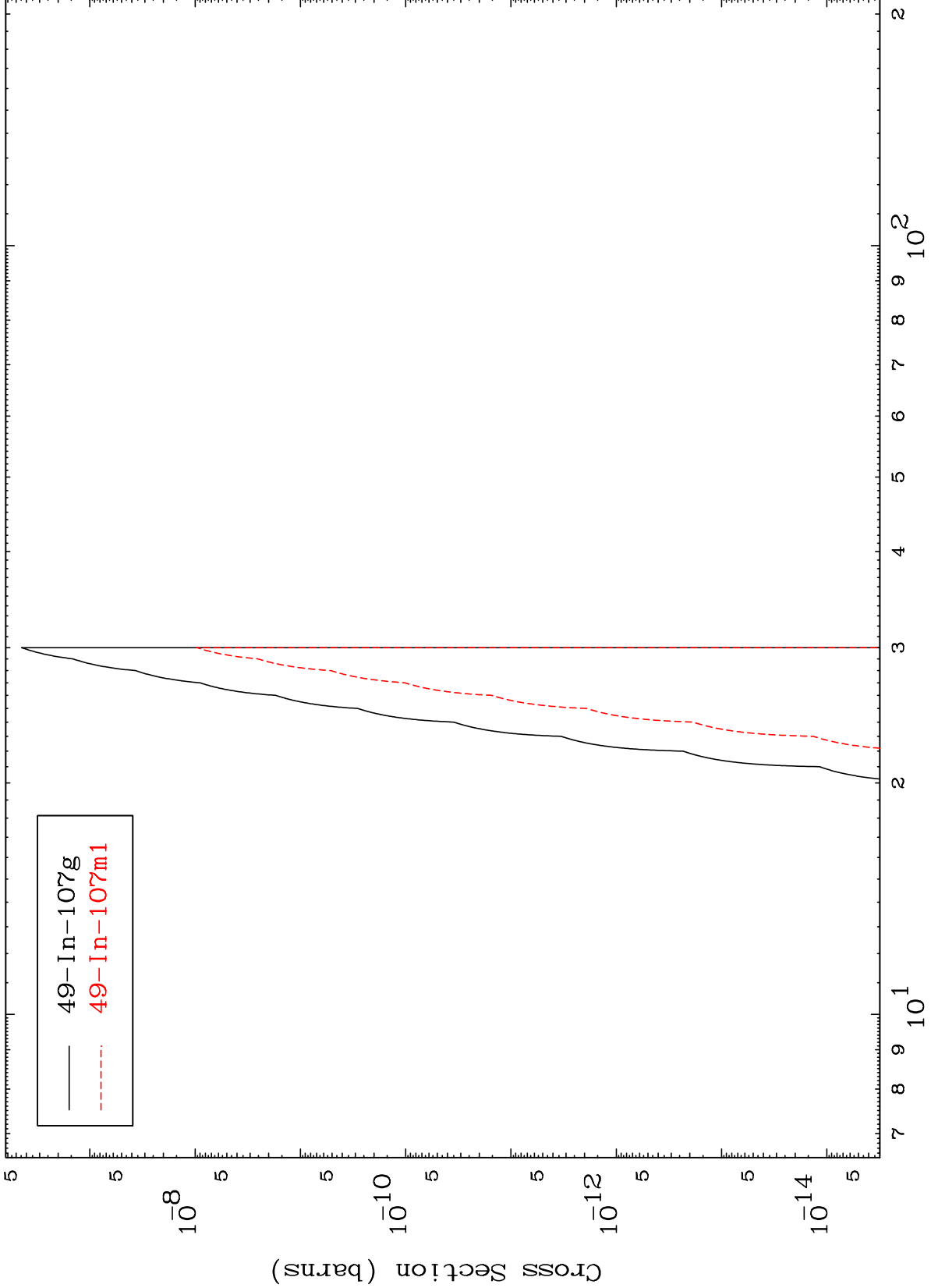


47

Incident Energy (MeV)

53-I -116

Radionuclide Production Cross Section



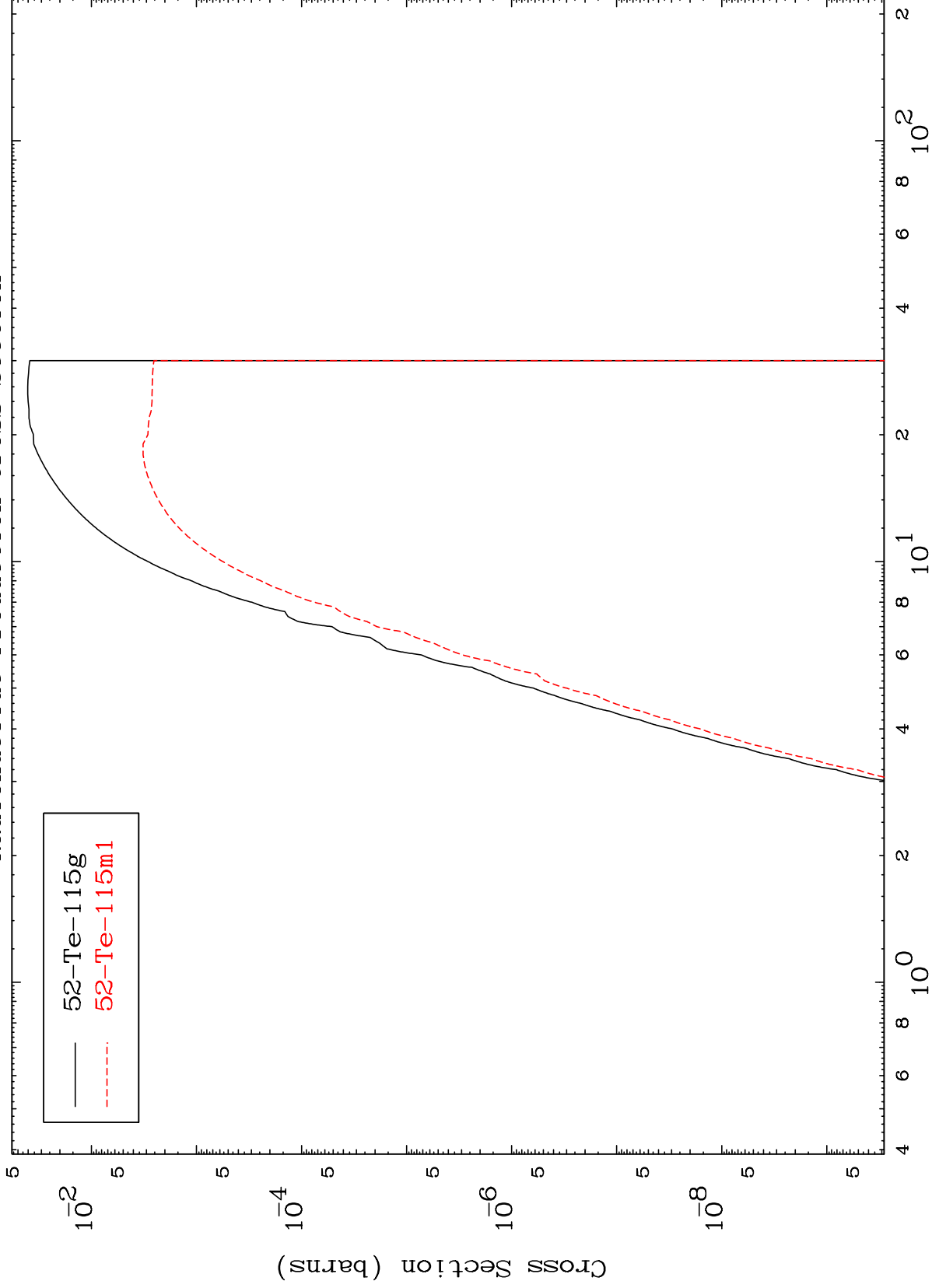
— 49-In-107g
- - - 49-In-107m1

MAT 5292

(n,d)

53-I -116

Radionuclide Production Cross Section



49

Incident Energy (MeV)

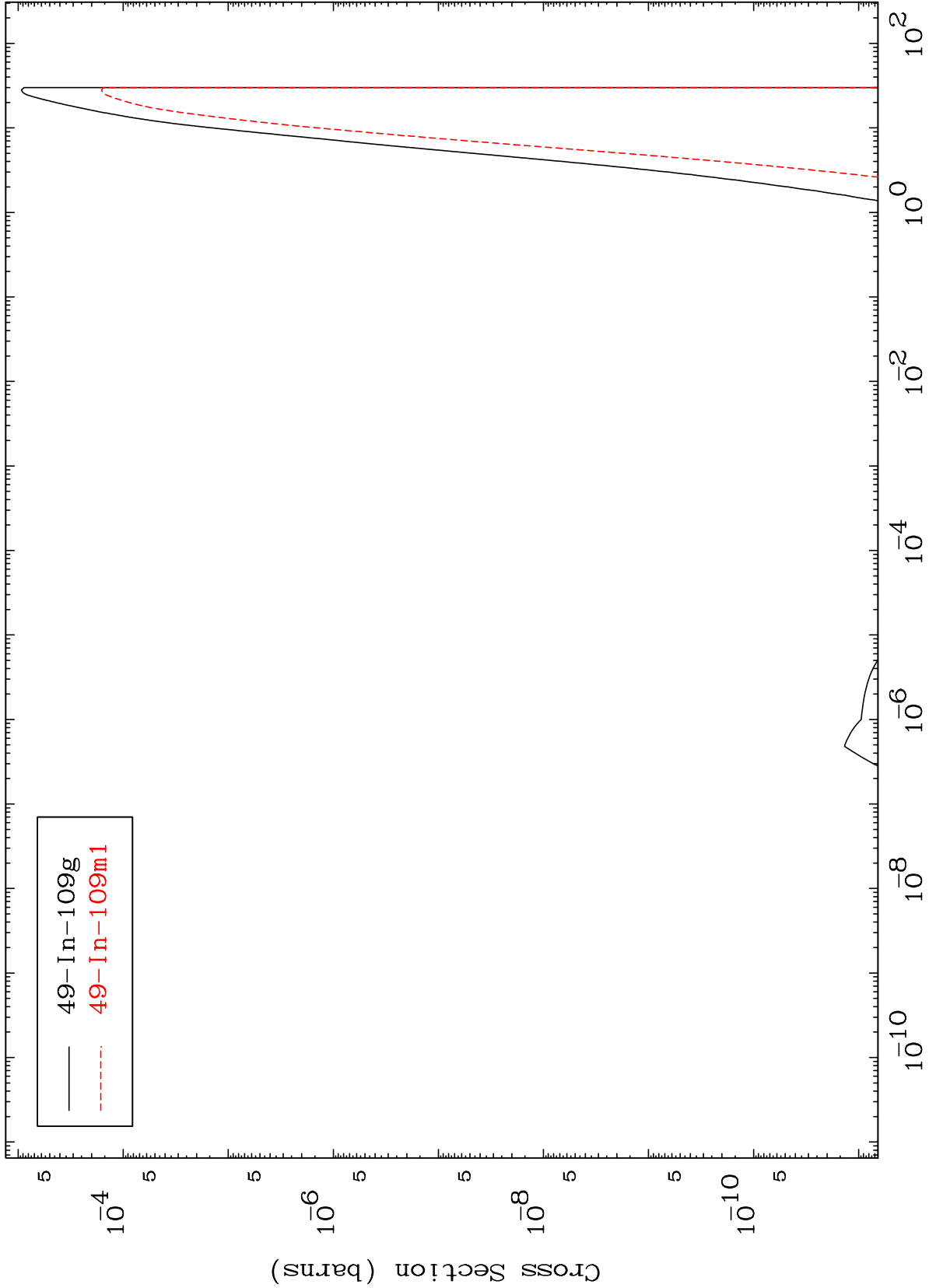
53-I -116

MAT 5292

(n,2α)

53-I -116

Radionuclide Production Cross Section



50

Incident Energy (MeV)

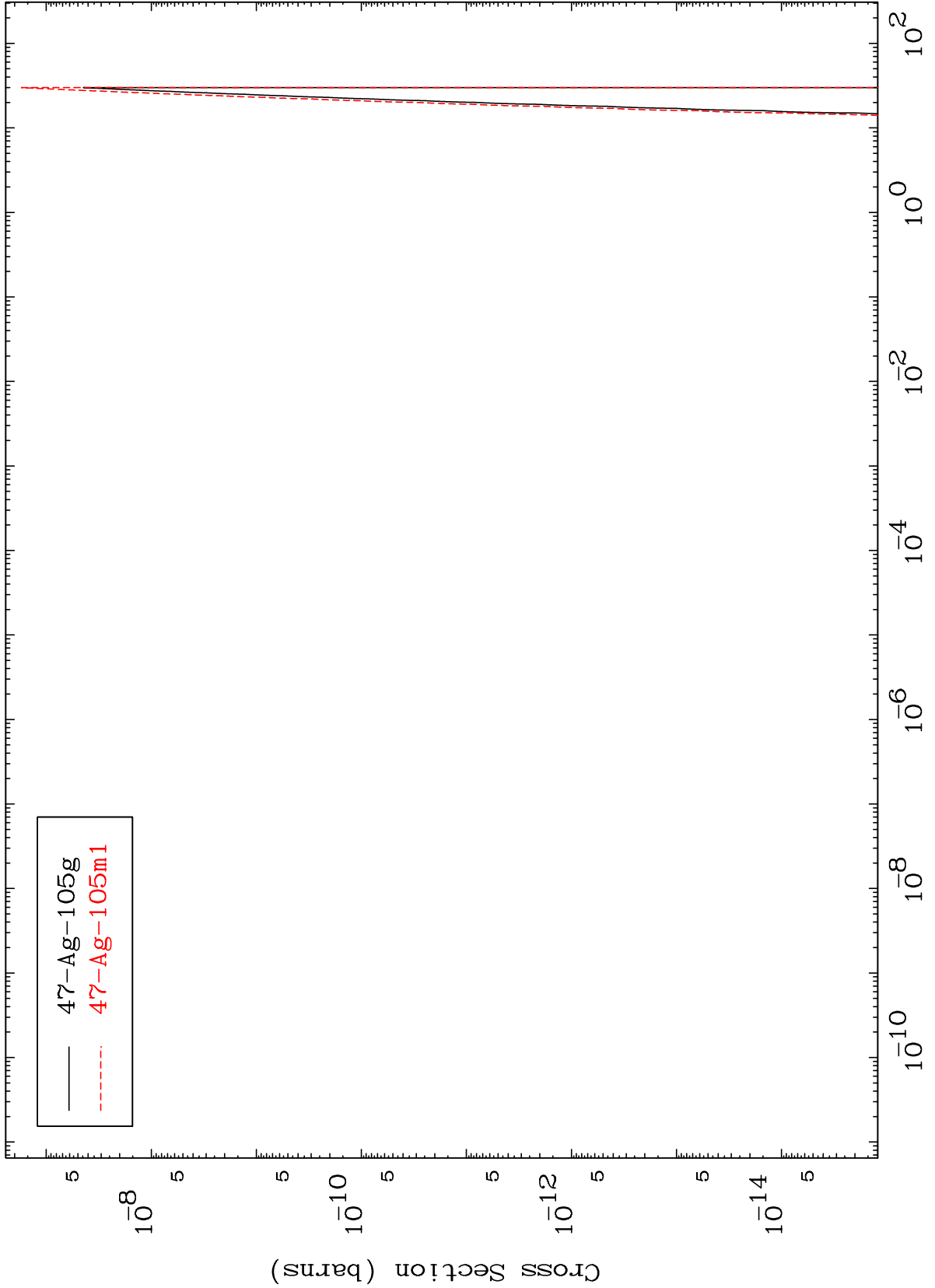
53-I -116

MAT 5292

(n,3α)

53-I -116

Radionuclide Production Cross Section



— 47-Ag-105g
- - - 47-Ag-105m1