

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

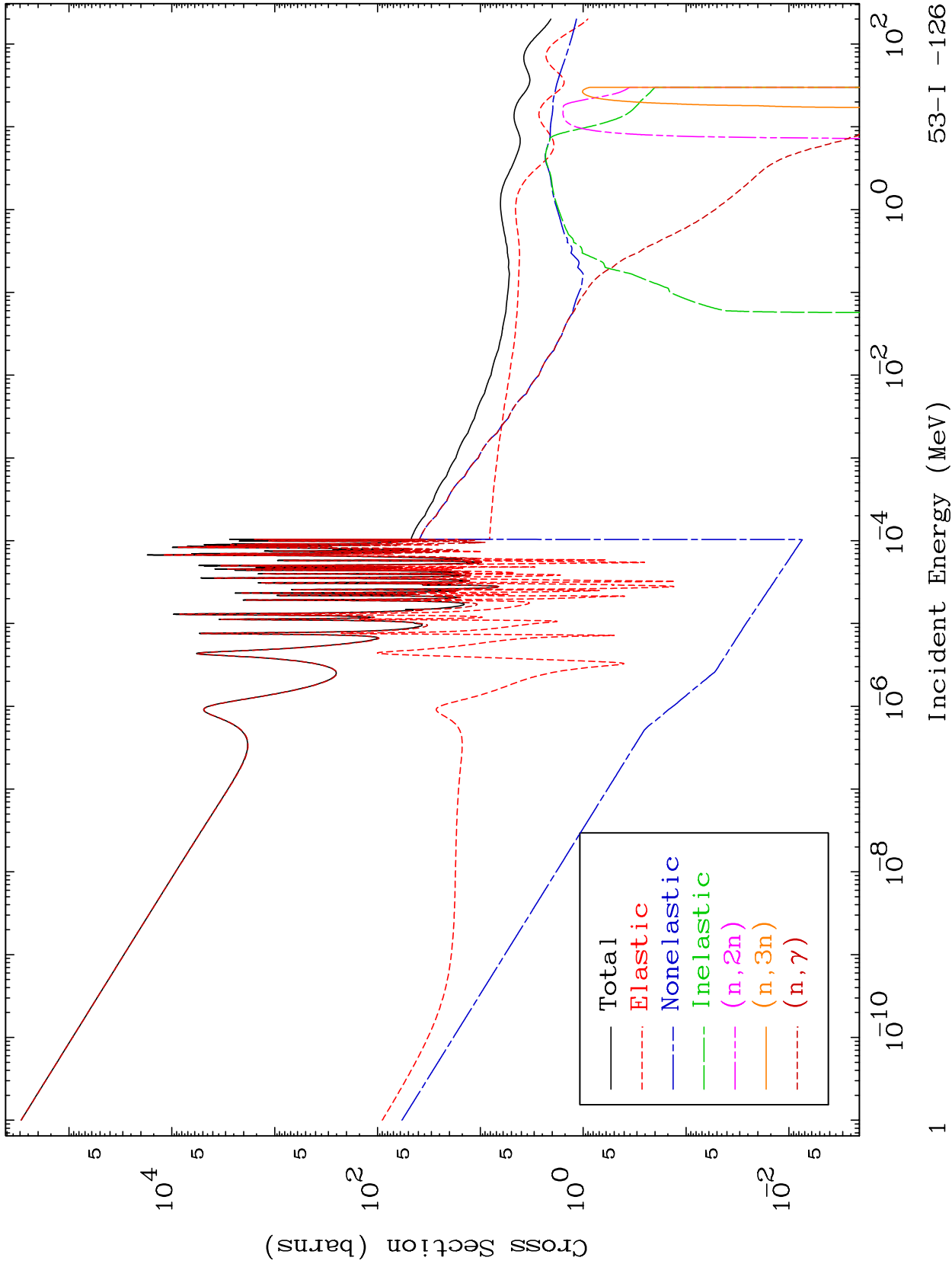
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

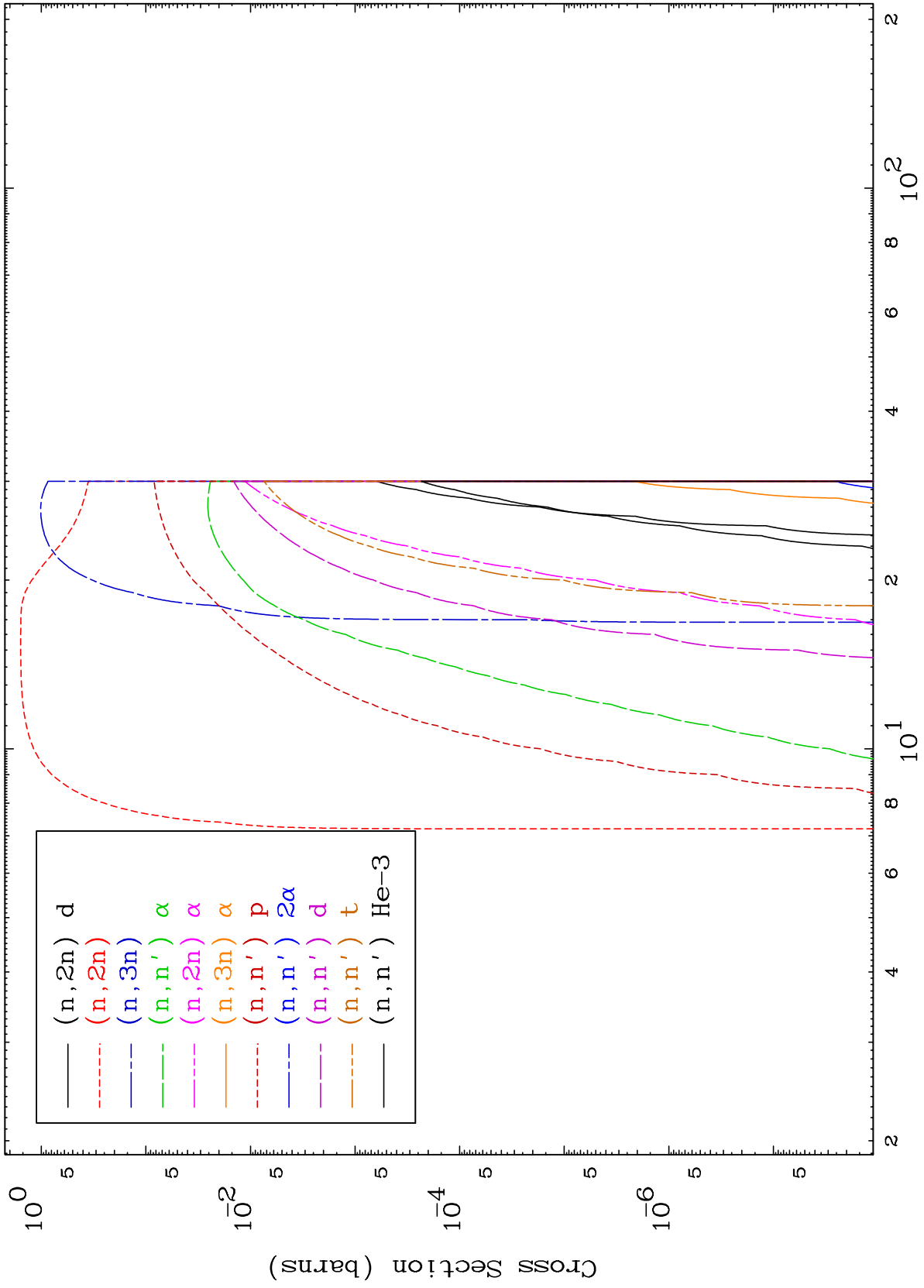
Tele: 925-443-1911

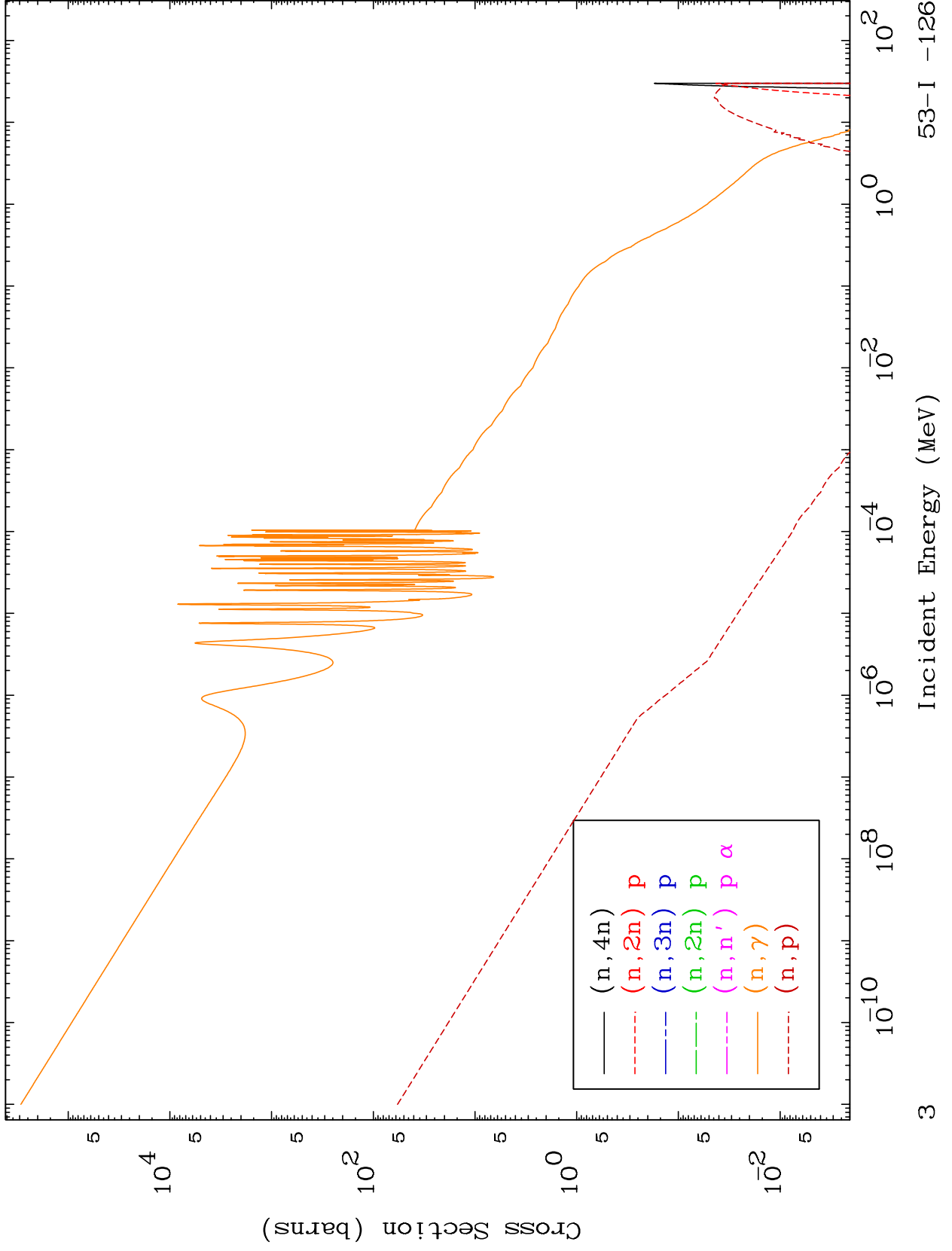
E.Mail:redcullen1@comcast.net

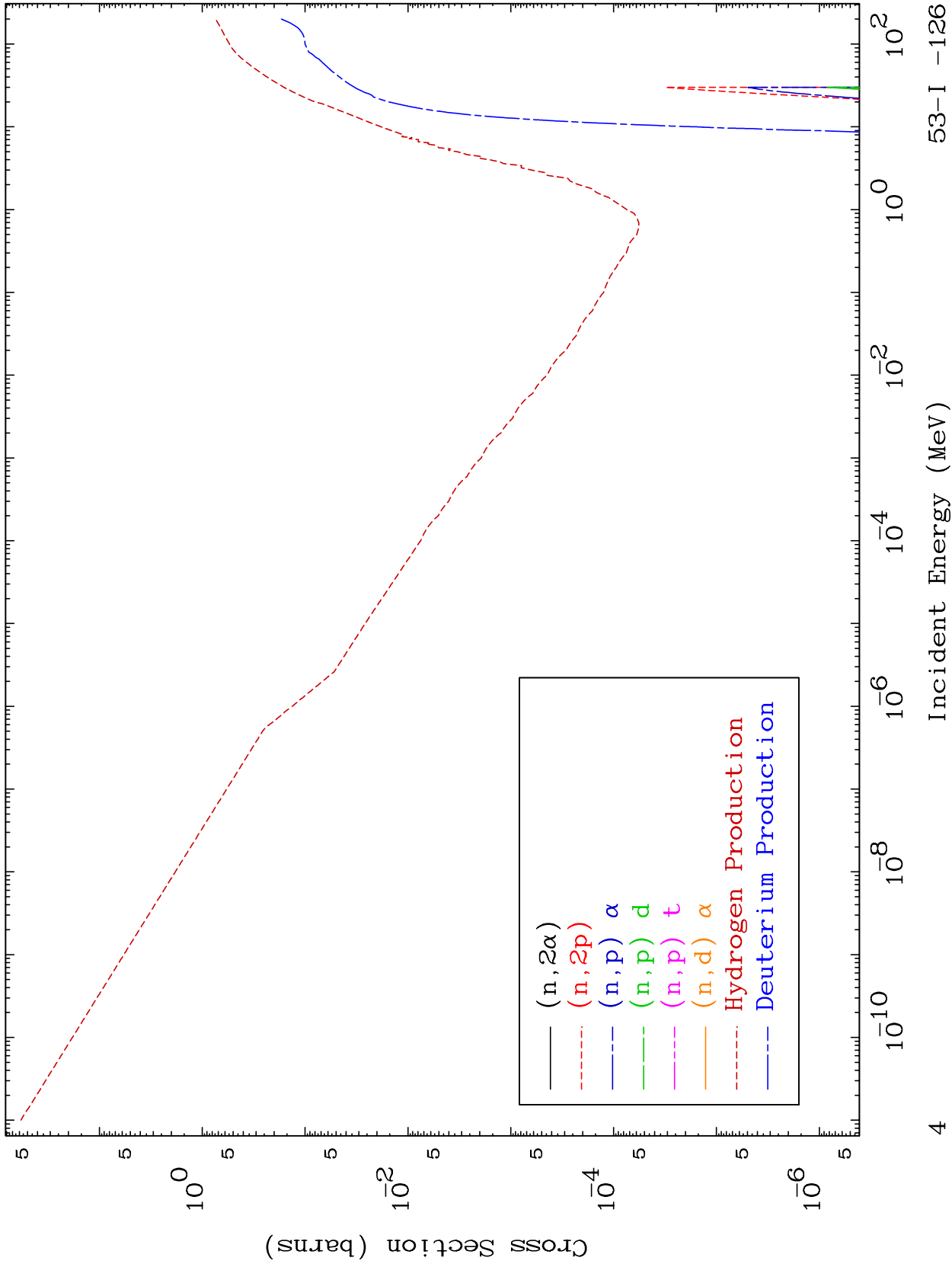
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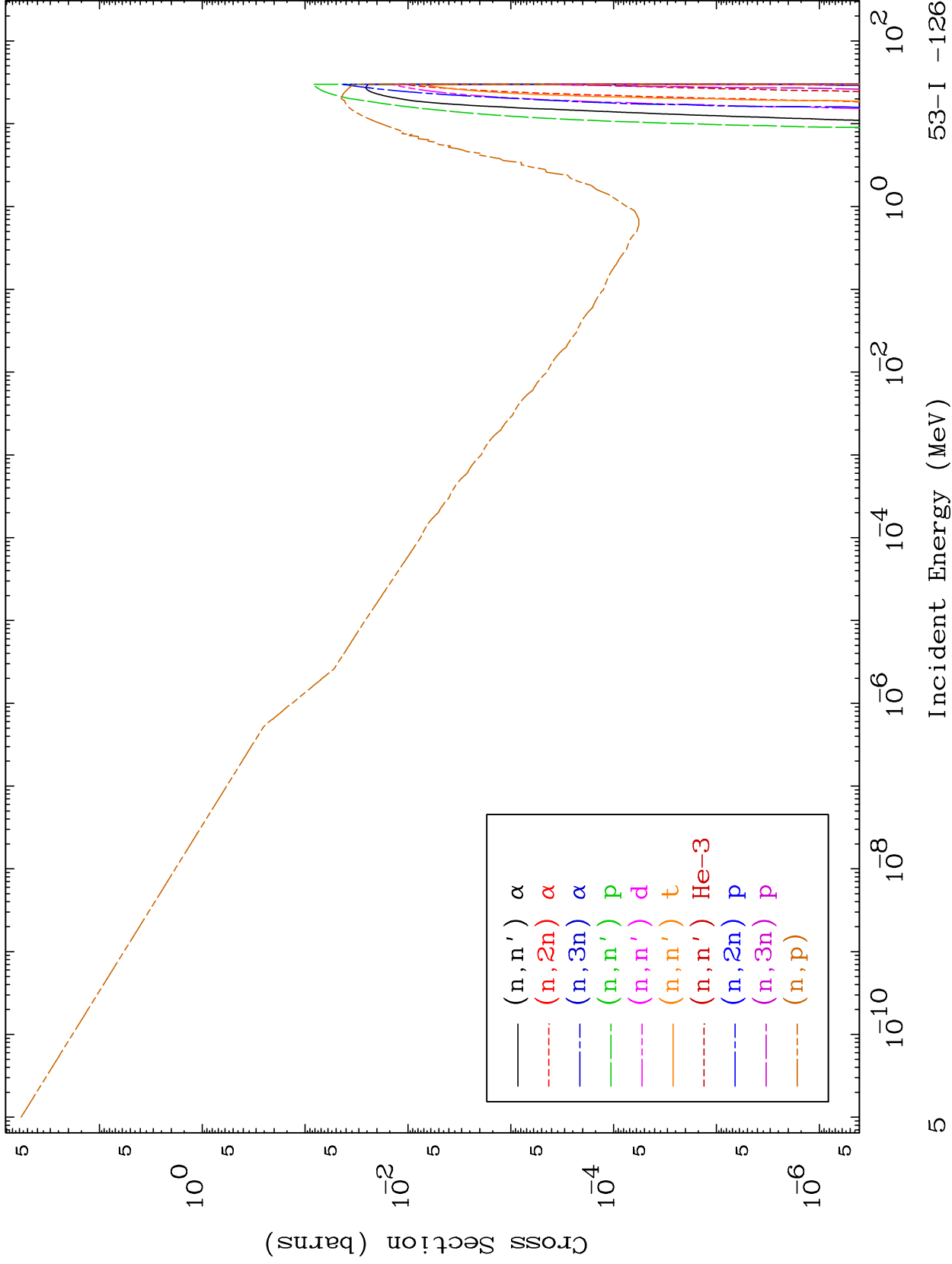
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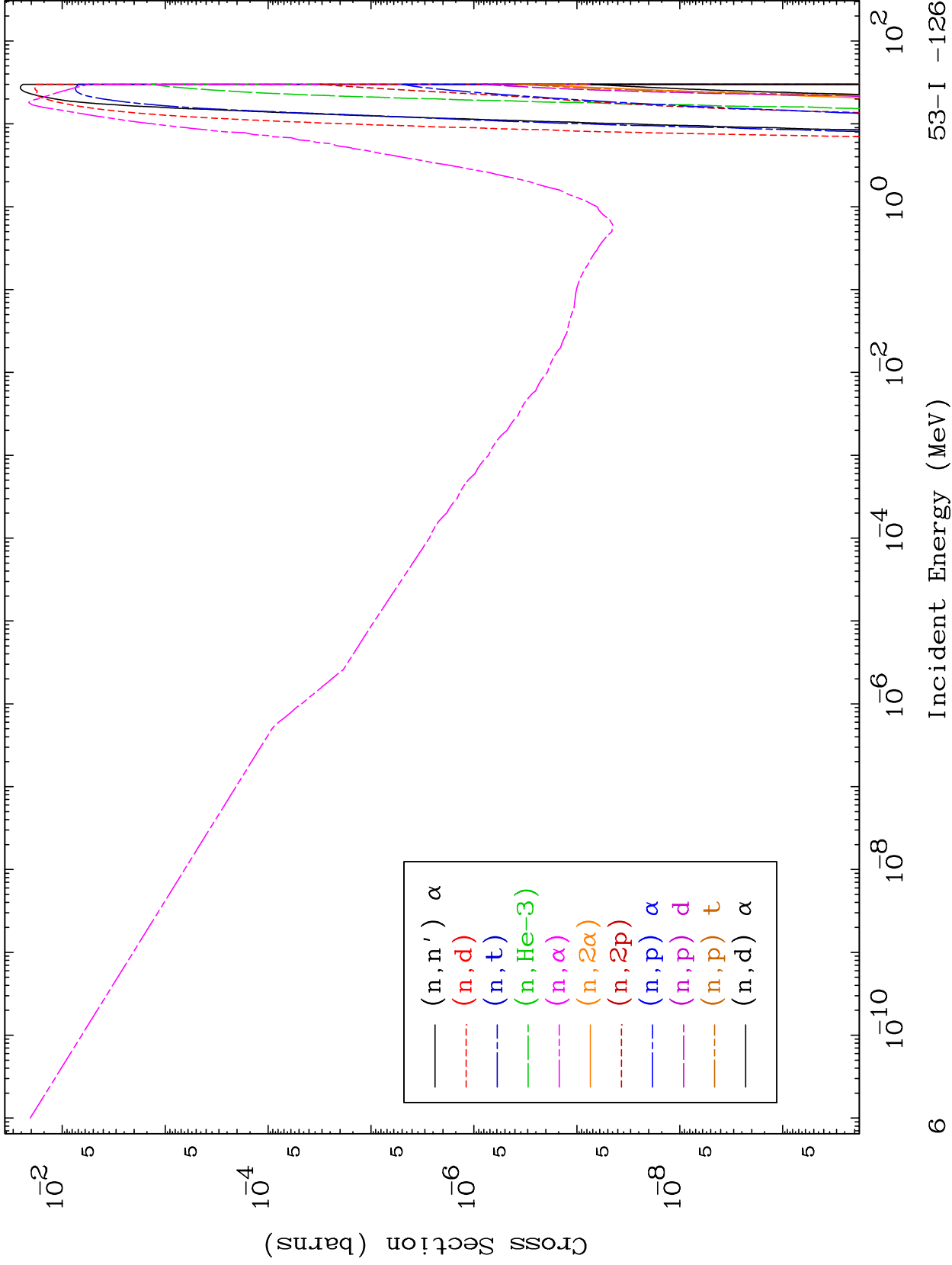


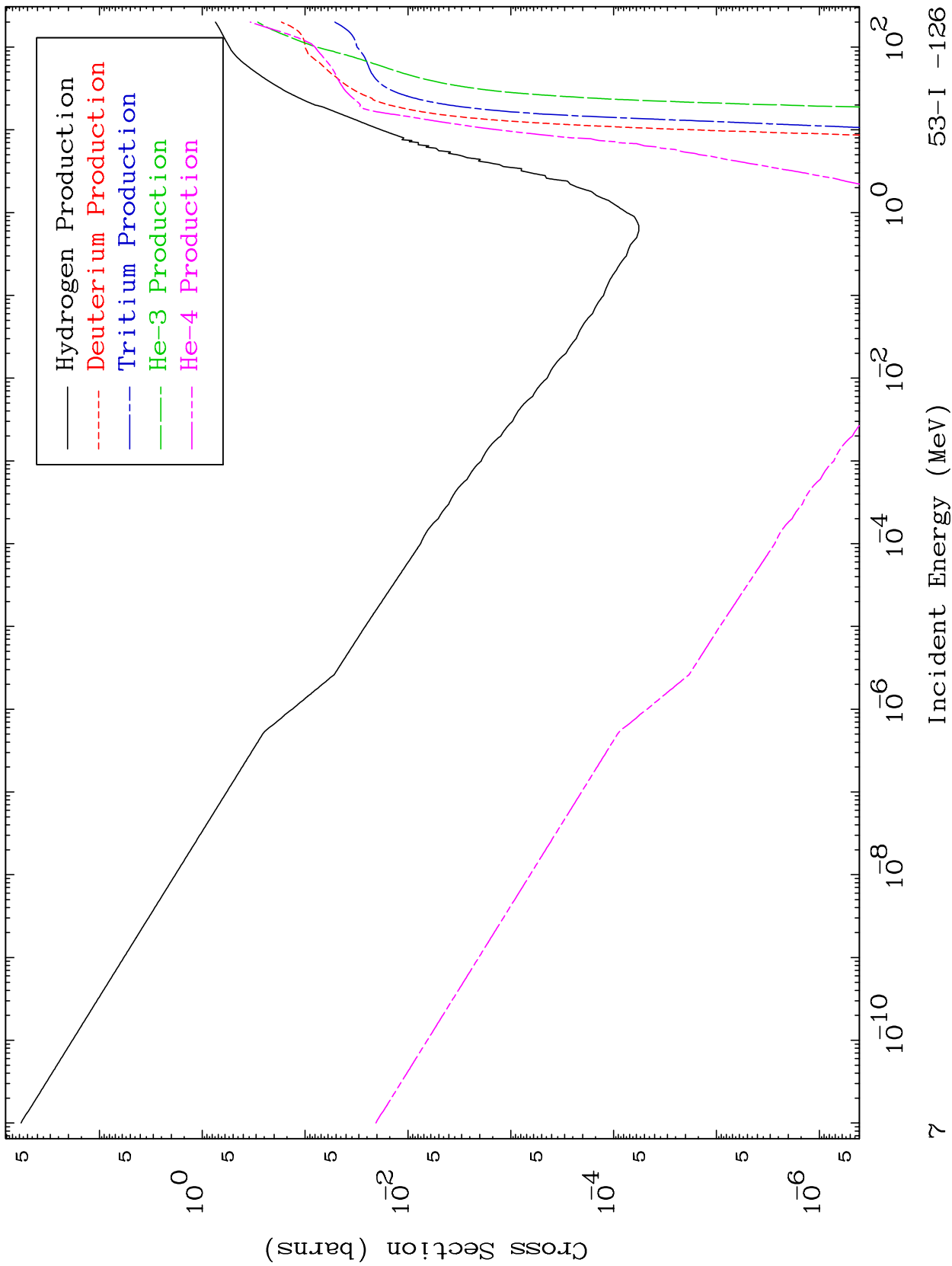


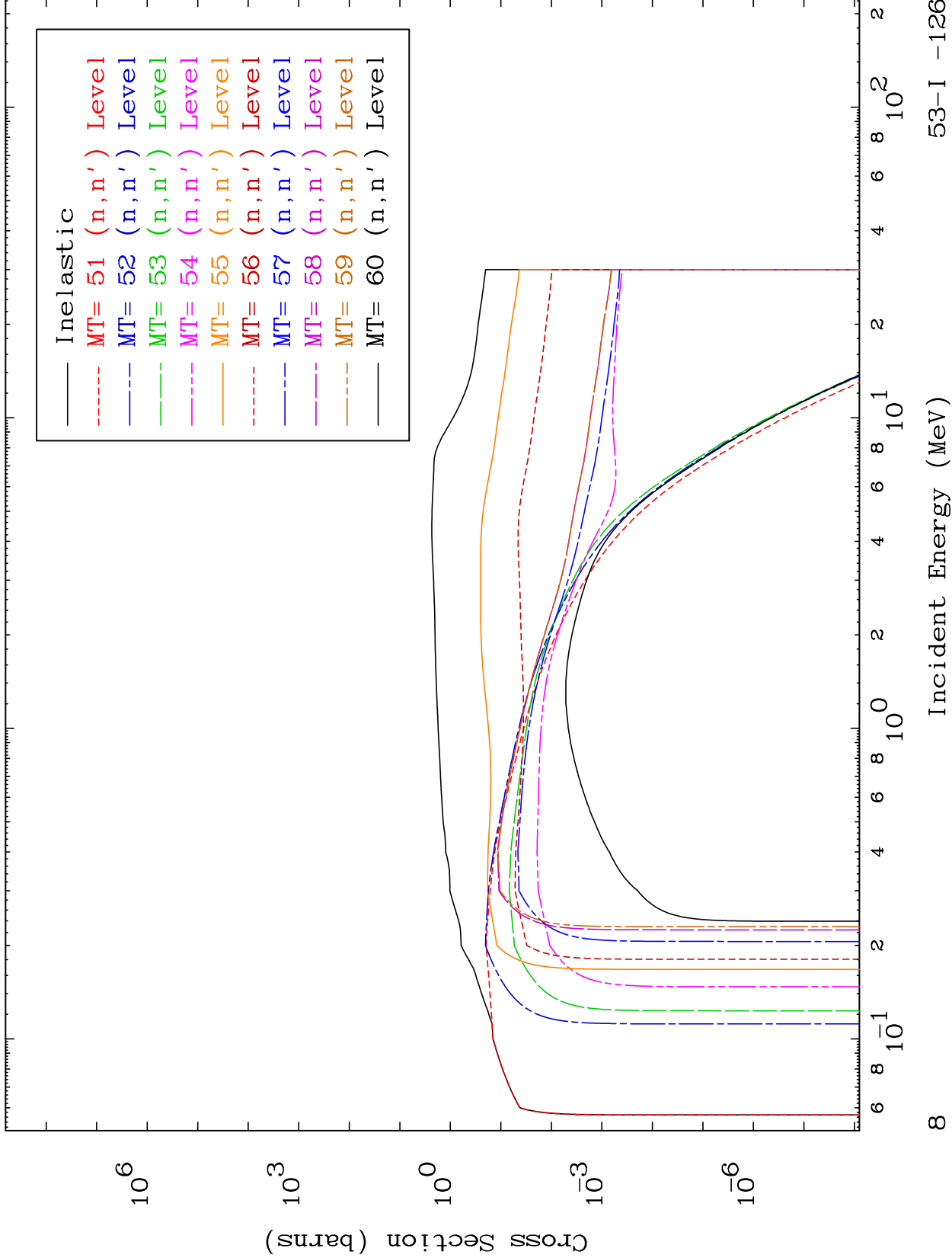




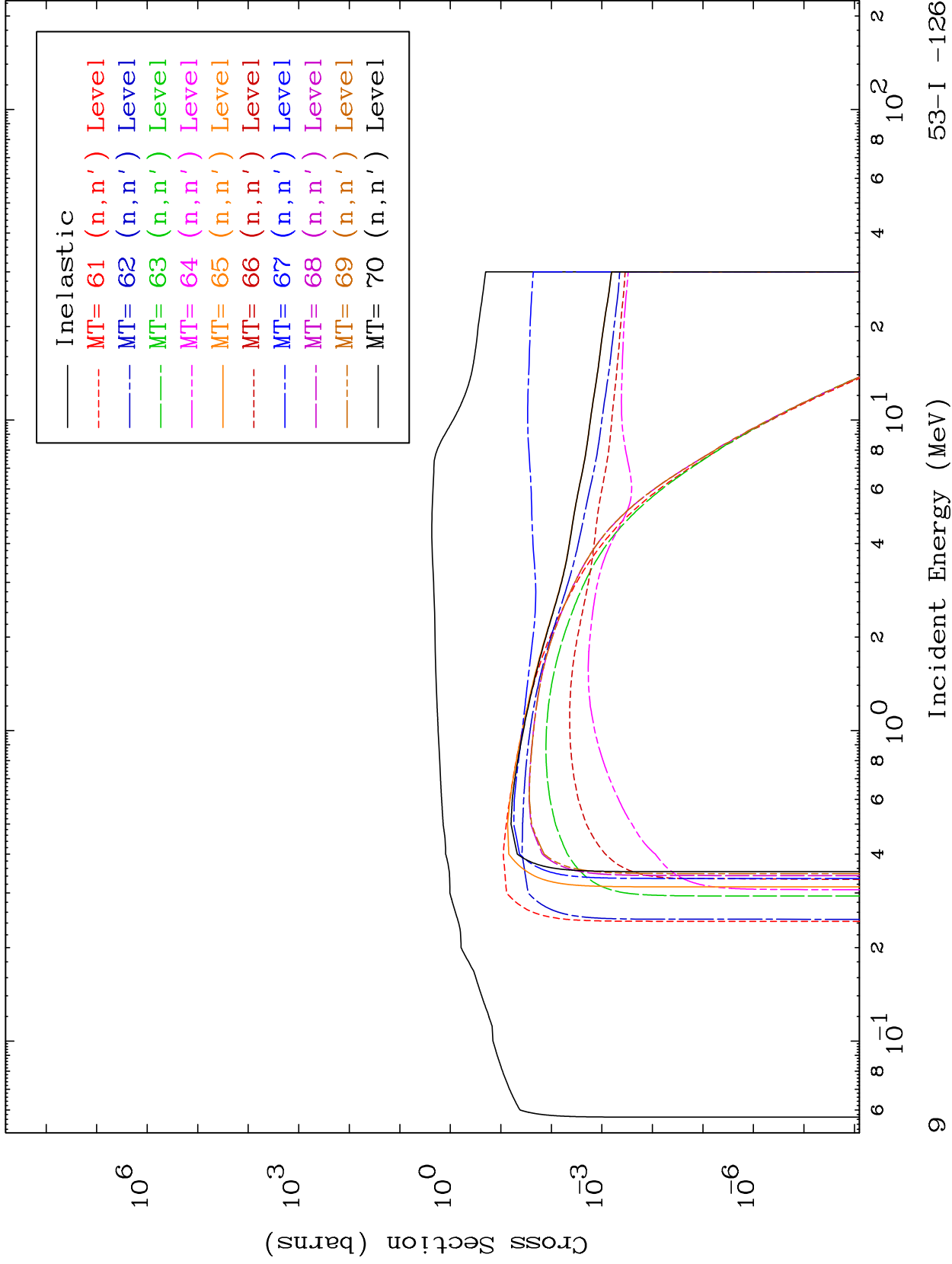


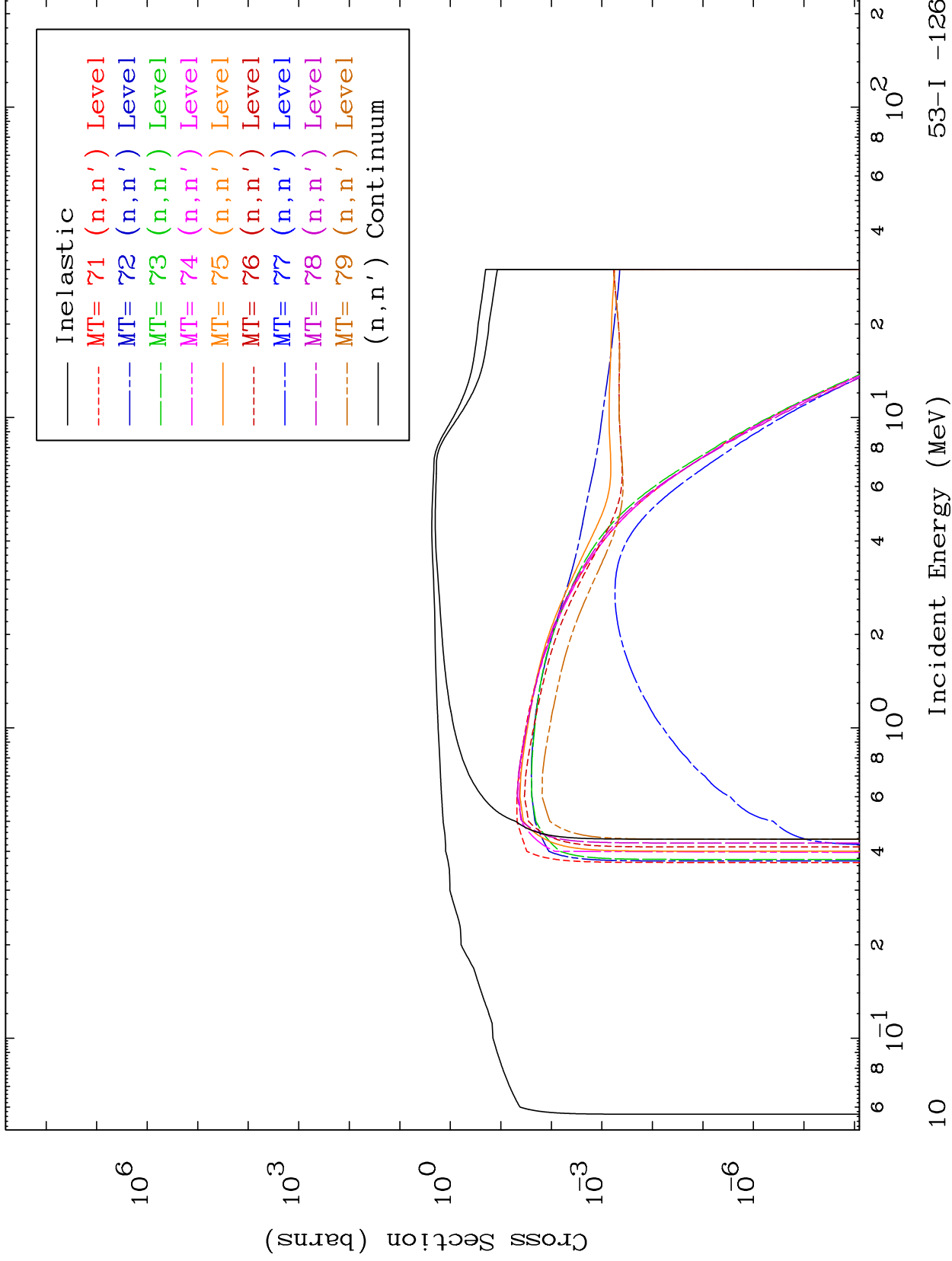






293 Kelvin Cross Sections

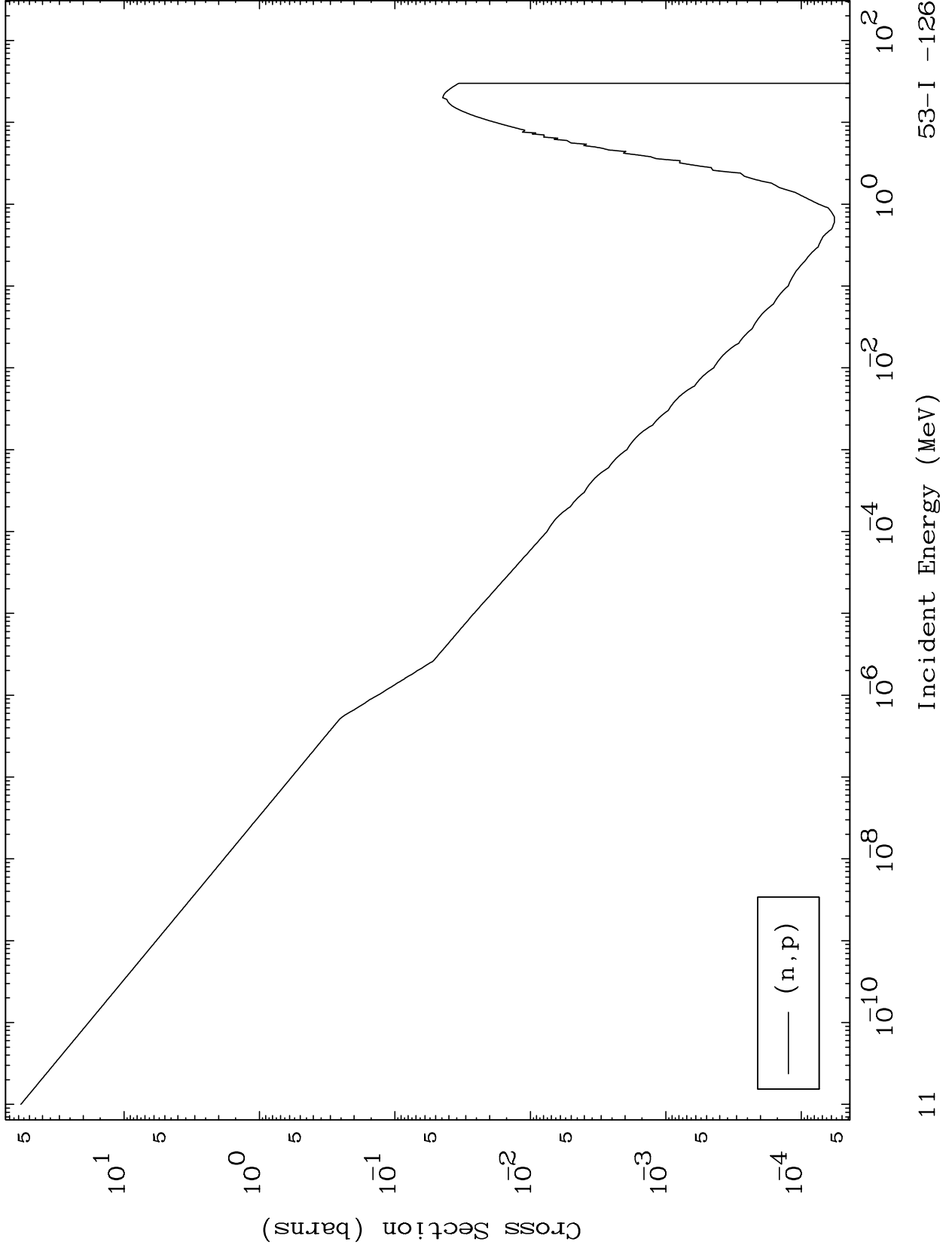




MAT 5322

(n,p) Levels
293 Kelvin Cross Sections

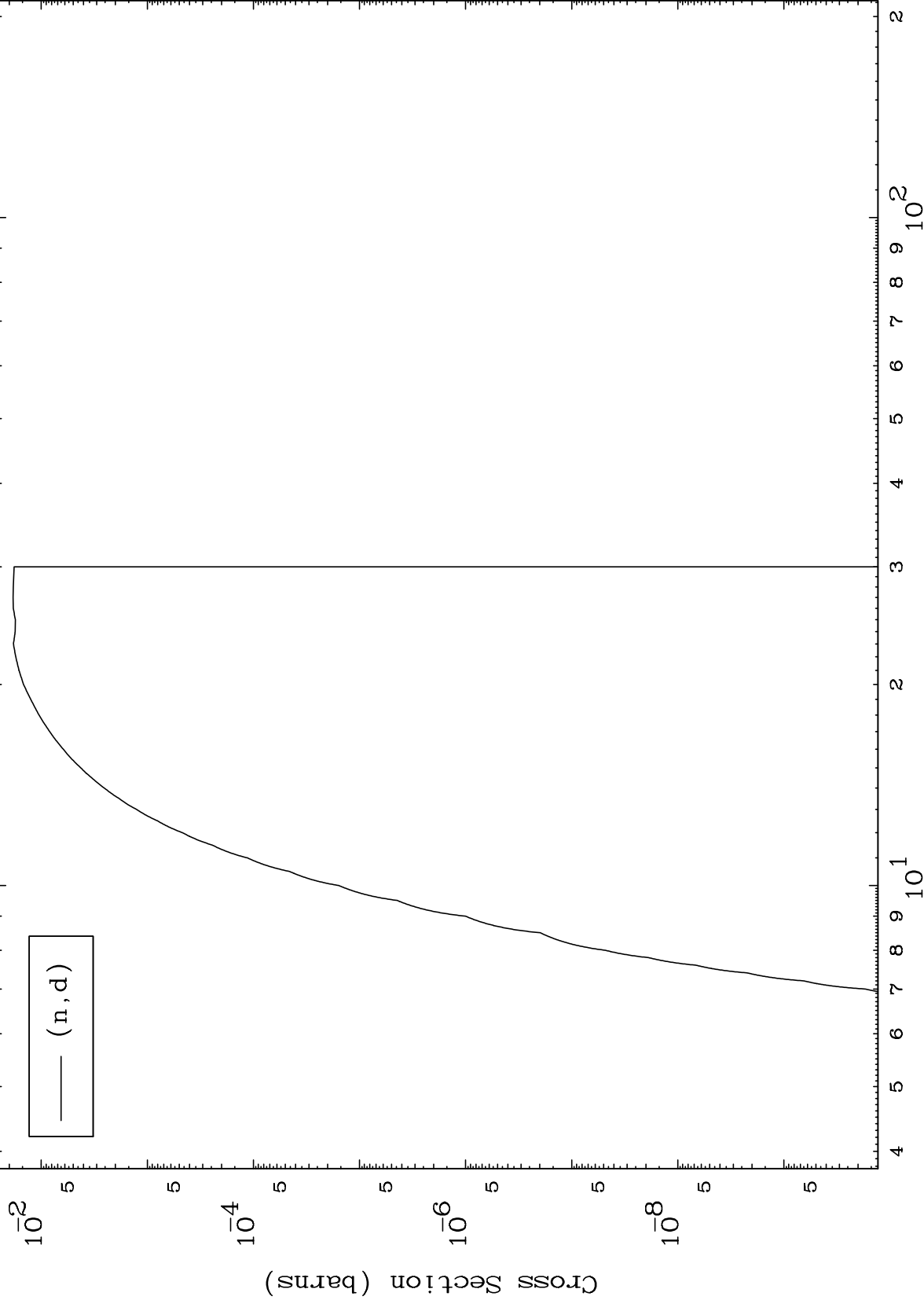
53-I -126



MAT 5322

(n,d) Levels
293 Kelvin Cross Sections

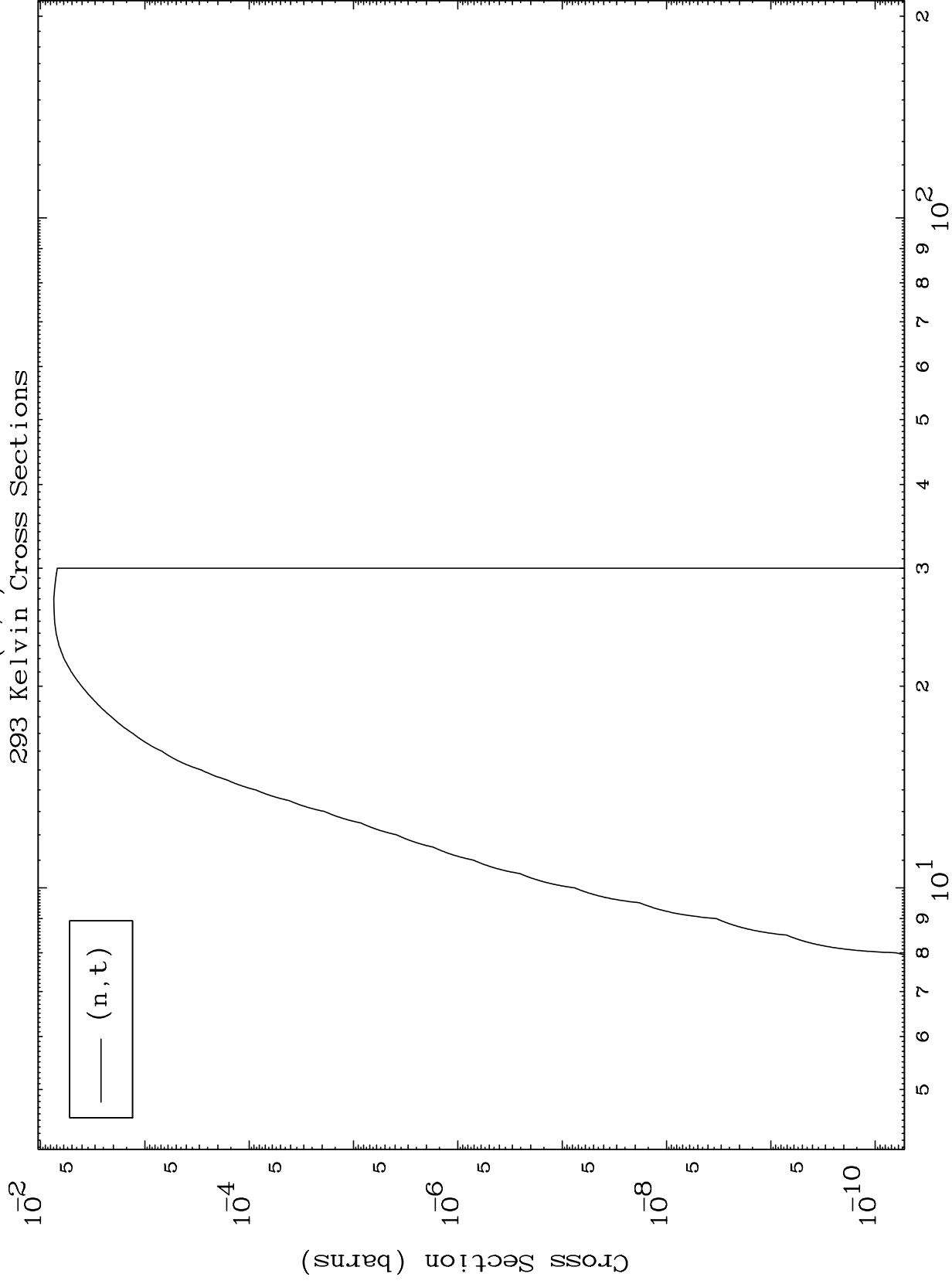
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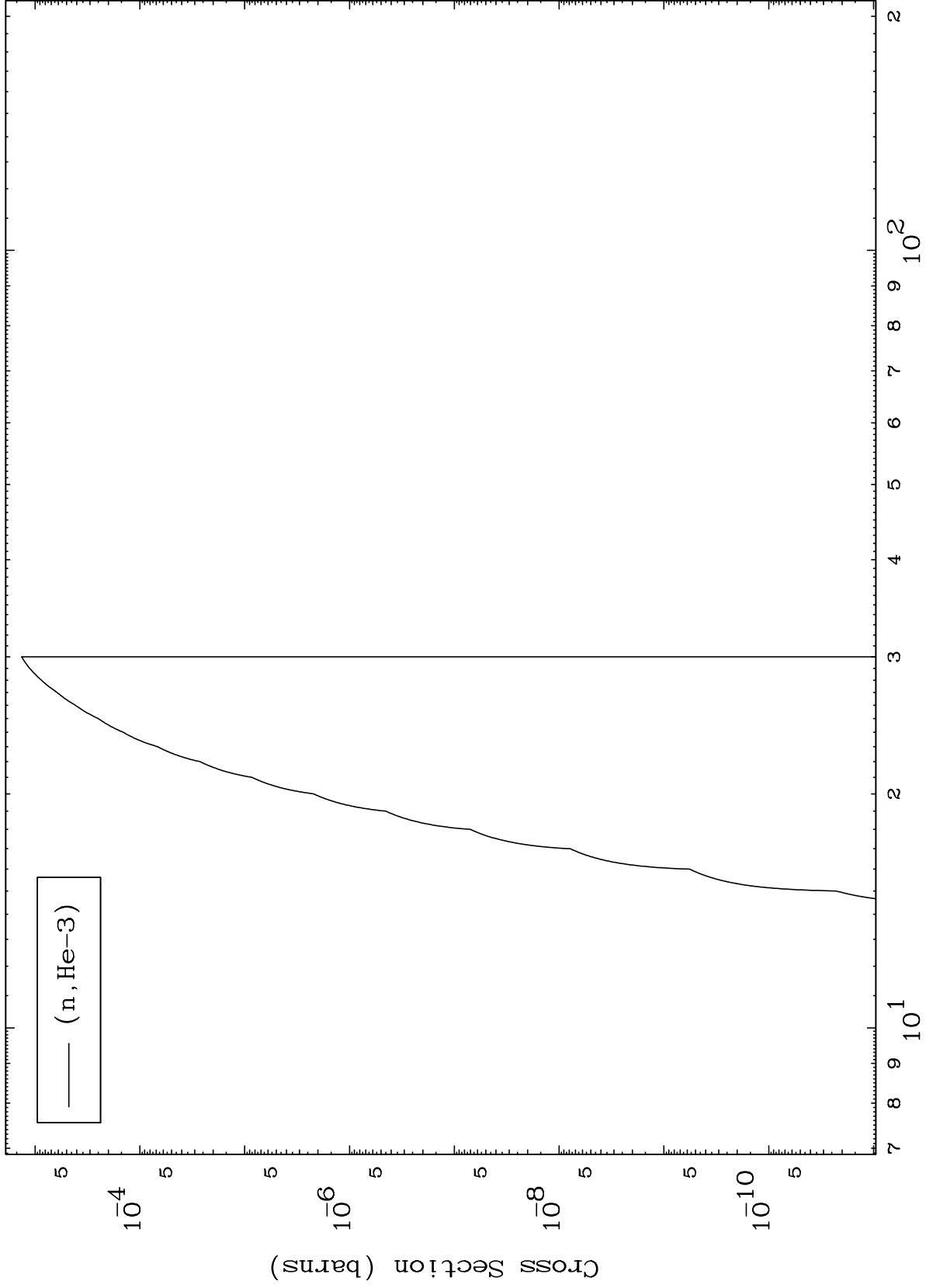


12

Incident Energy (MeV)

53-I -126

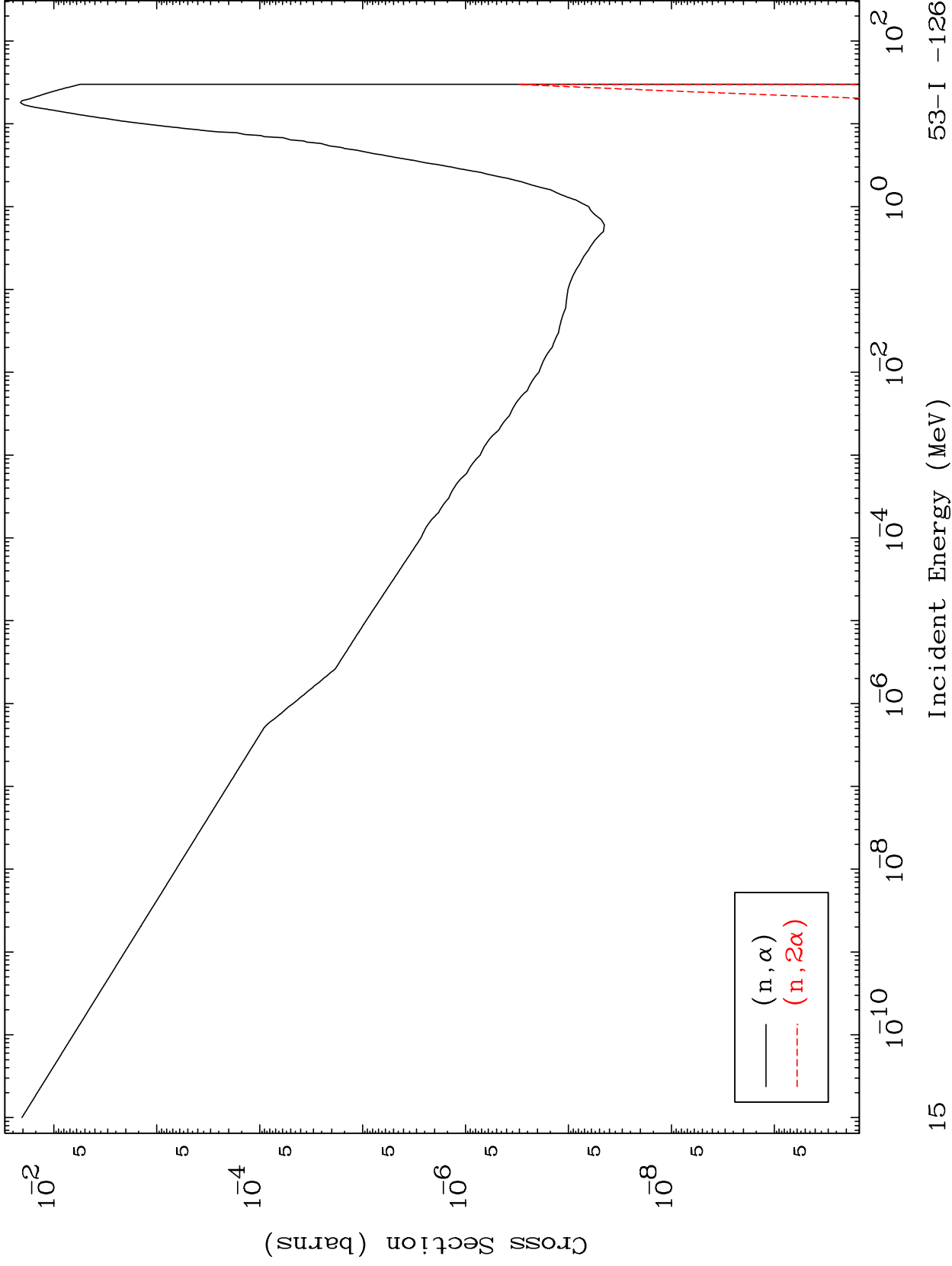


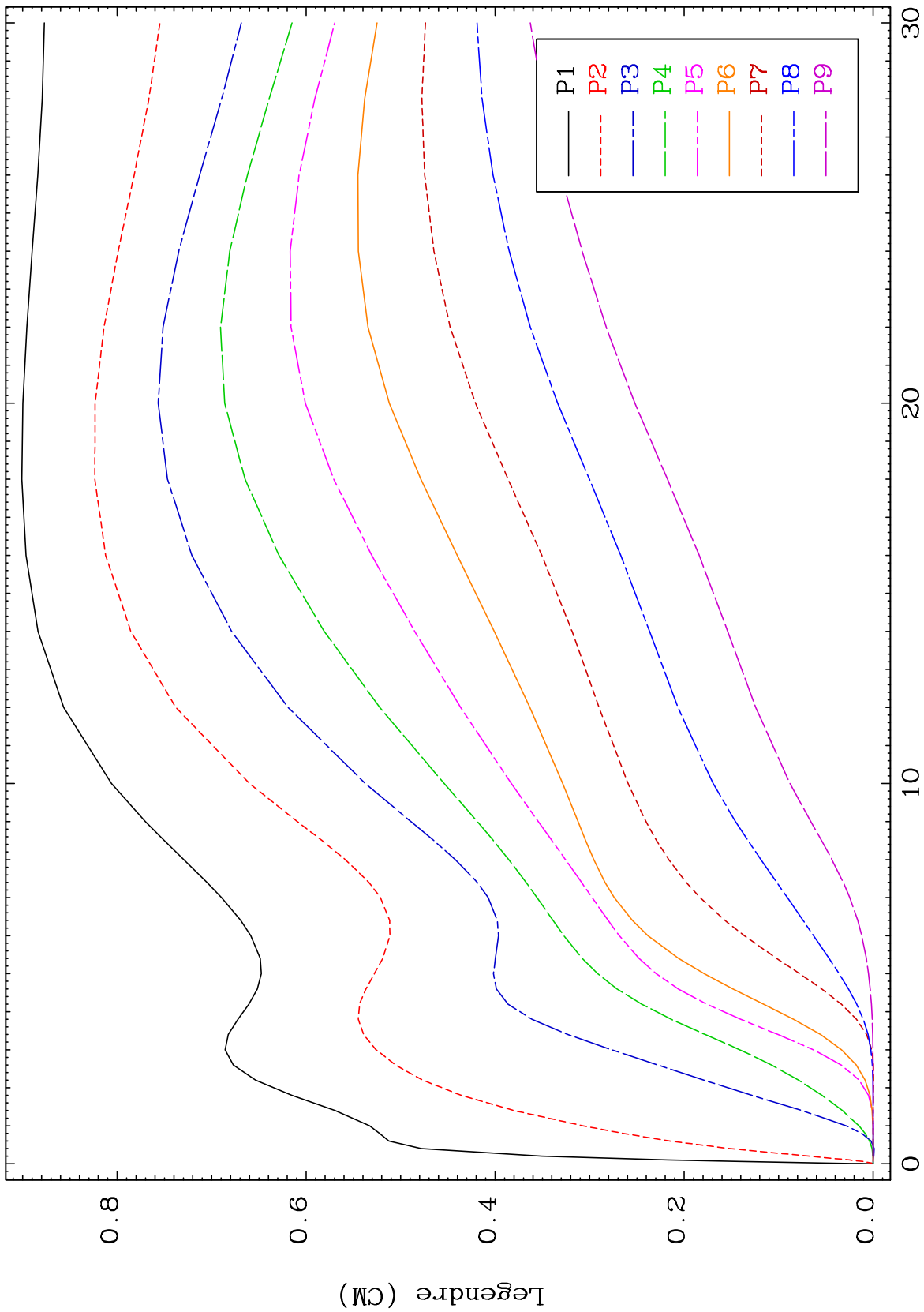


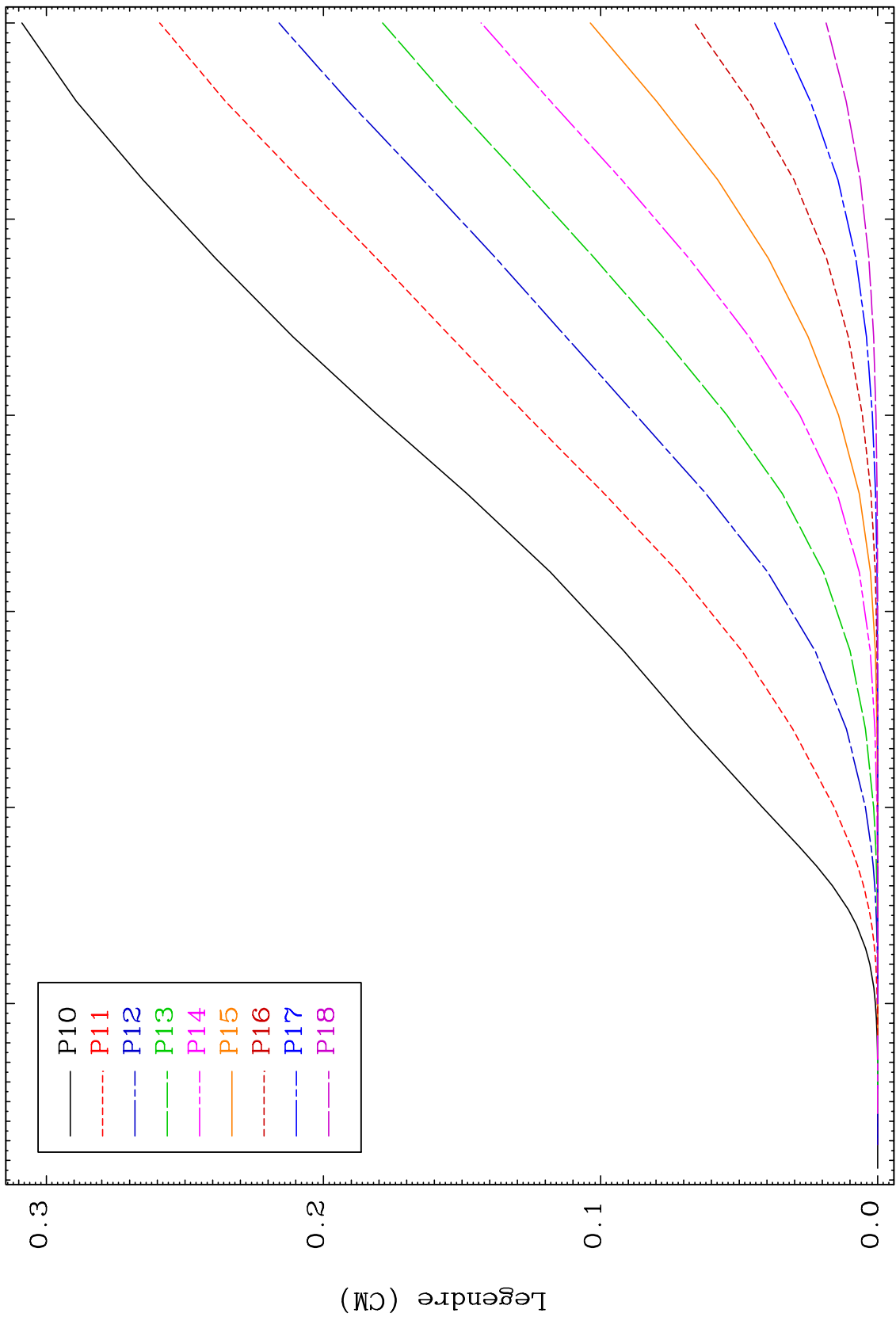
MAT 5322

(n,α) Levels
293 Kelvin Cross Sections

53-I -126



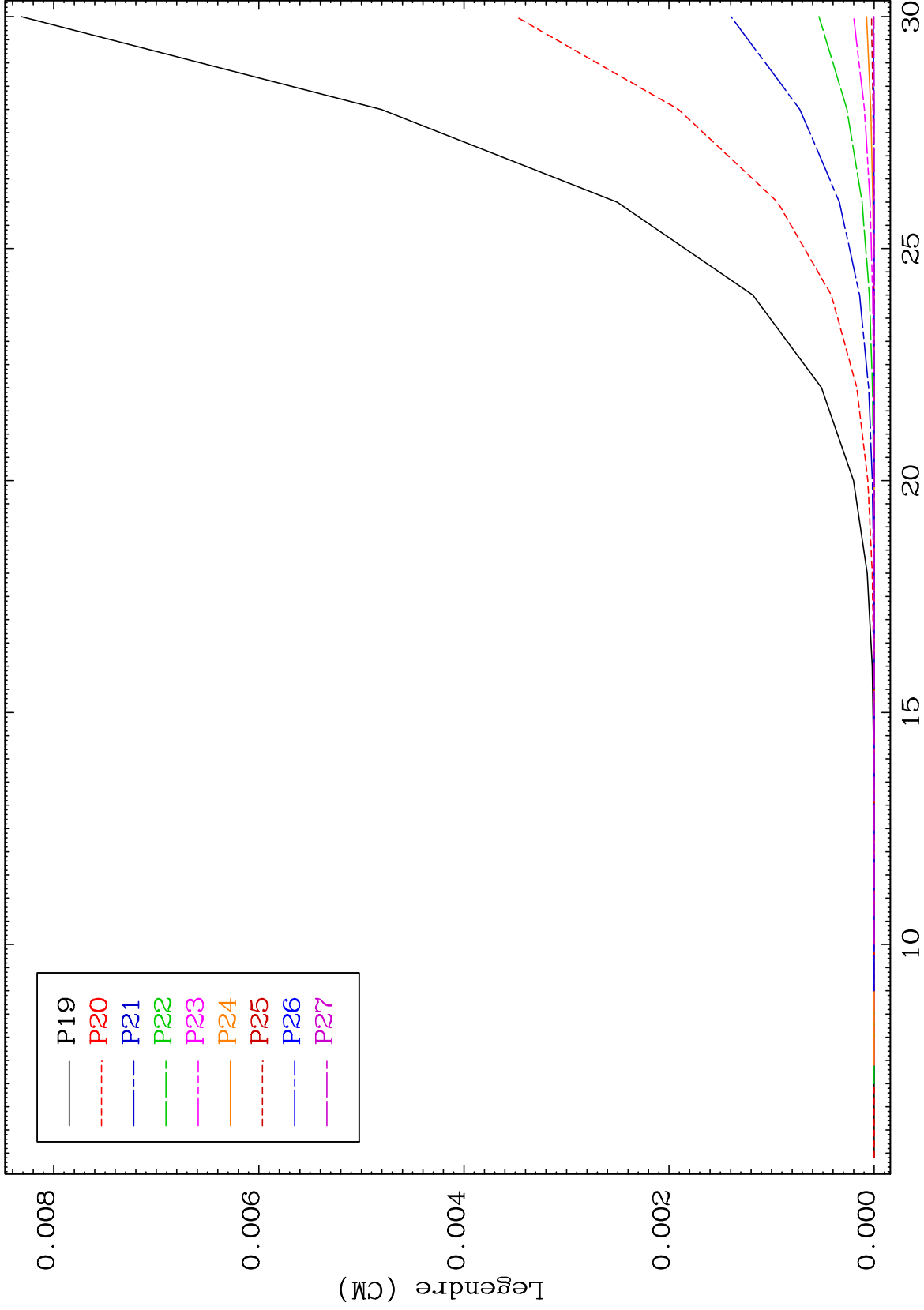




MAT 5322

Elastic Legendre Coefficients

53-I -126



18

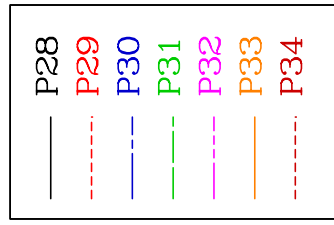
Incident Energy (MeV)

53-I -126

MAT 5322

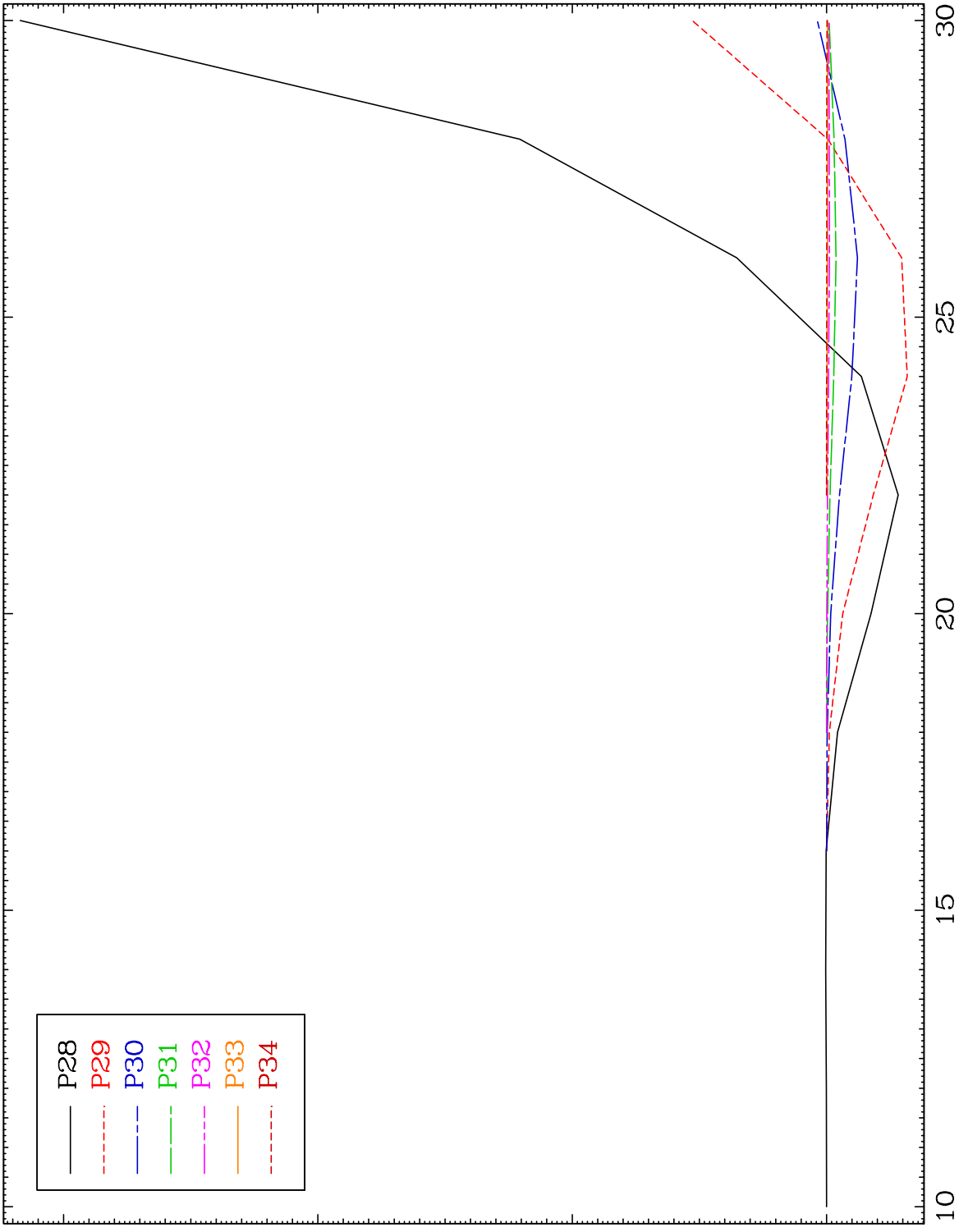
Elastic
Legendre Coefficients

53-I -126



$\times 10^{-6}$

Legendre (CM)



10

15

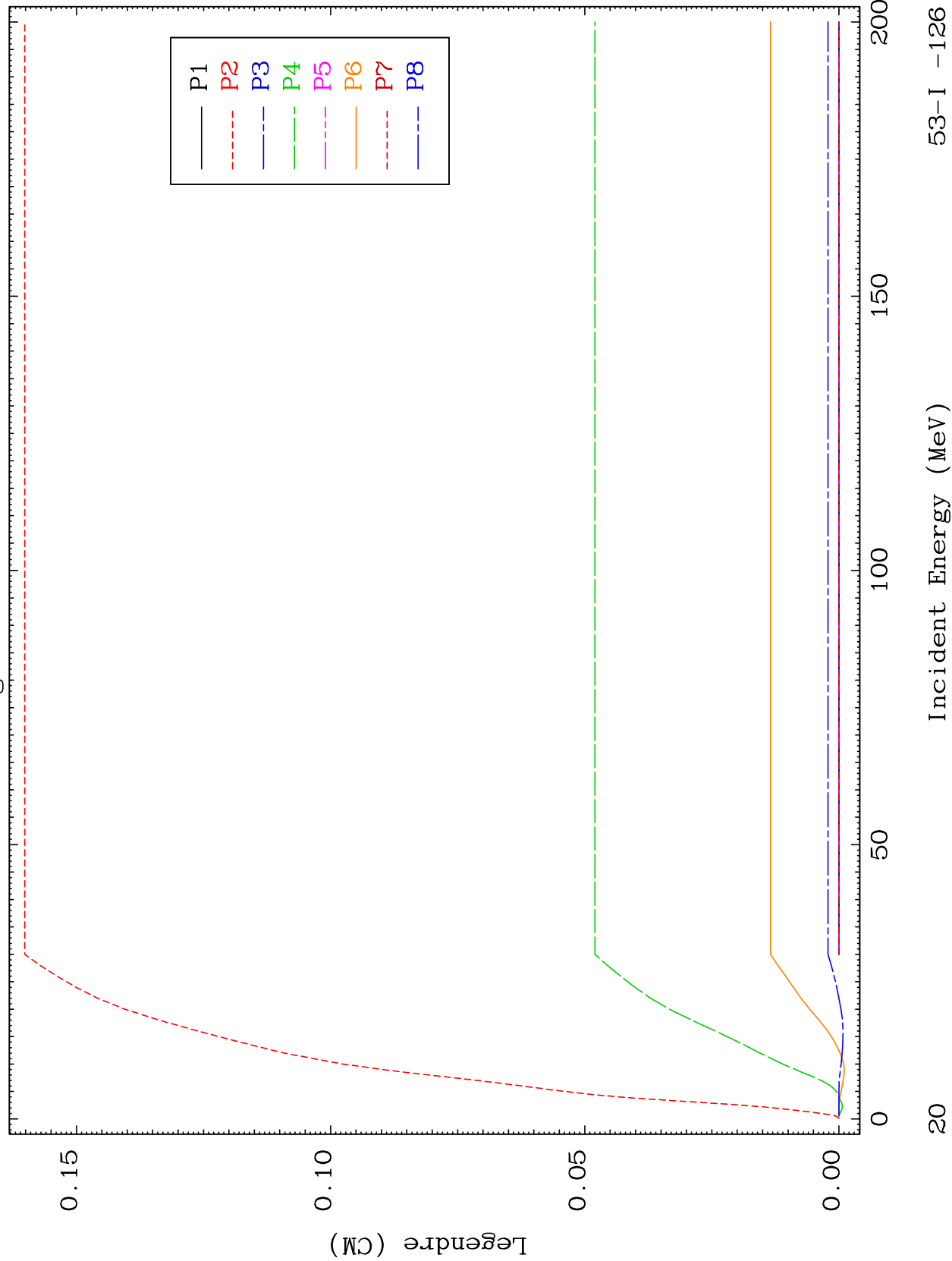
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25

30

Incident Energy (MeV)

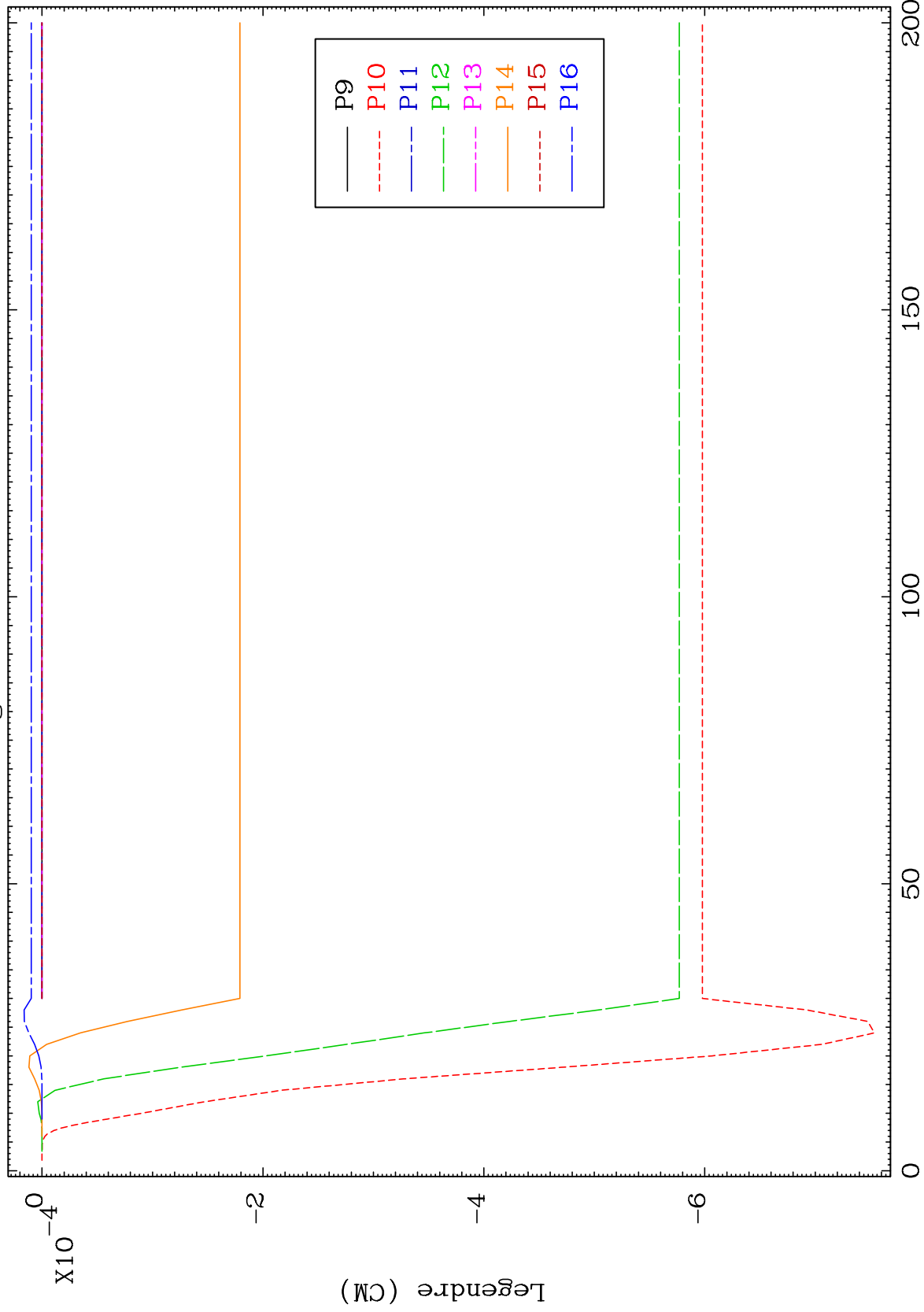
53-I -126



MAT 5322

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

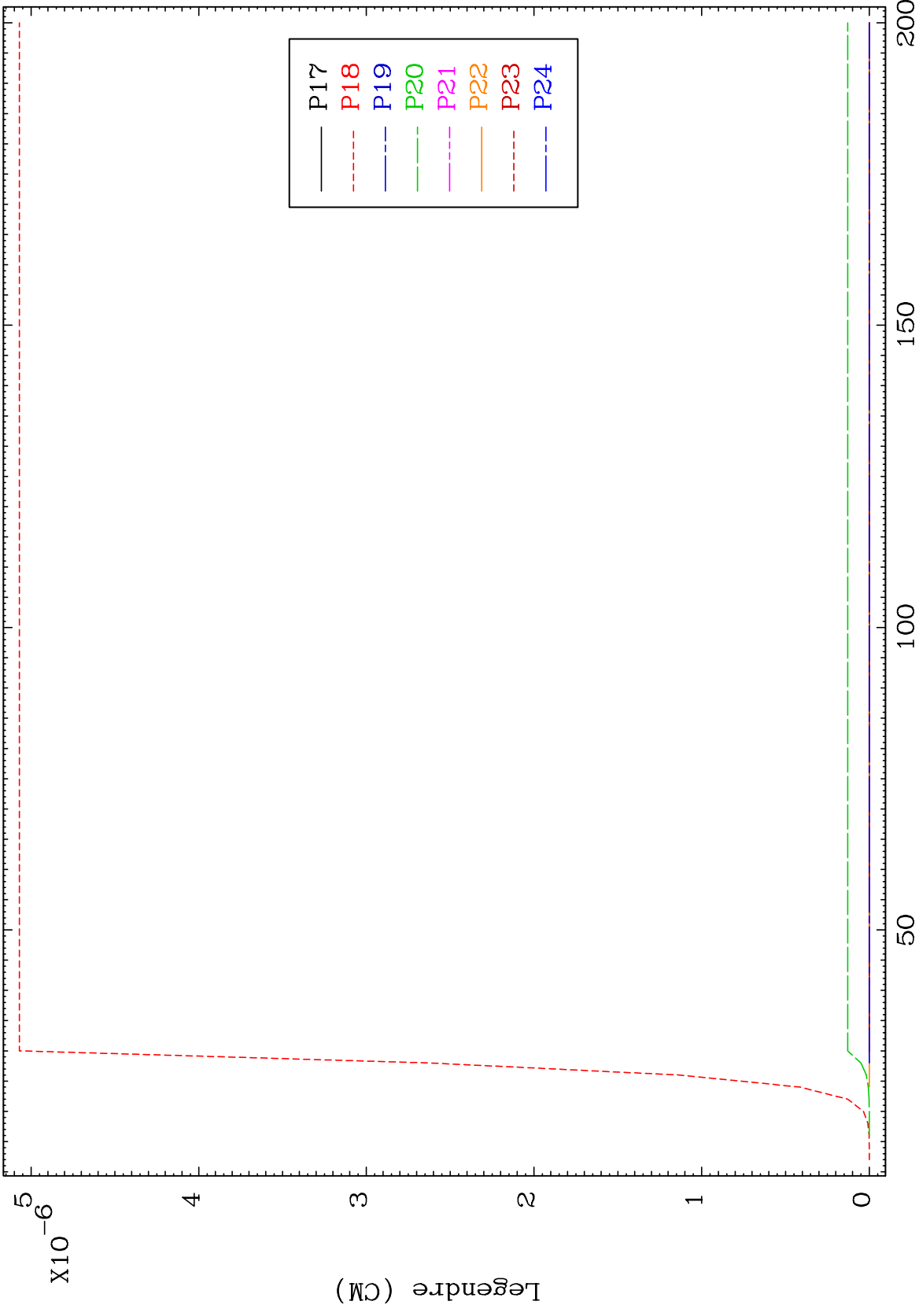
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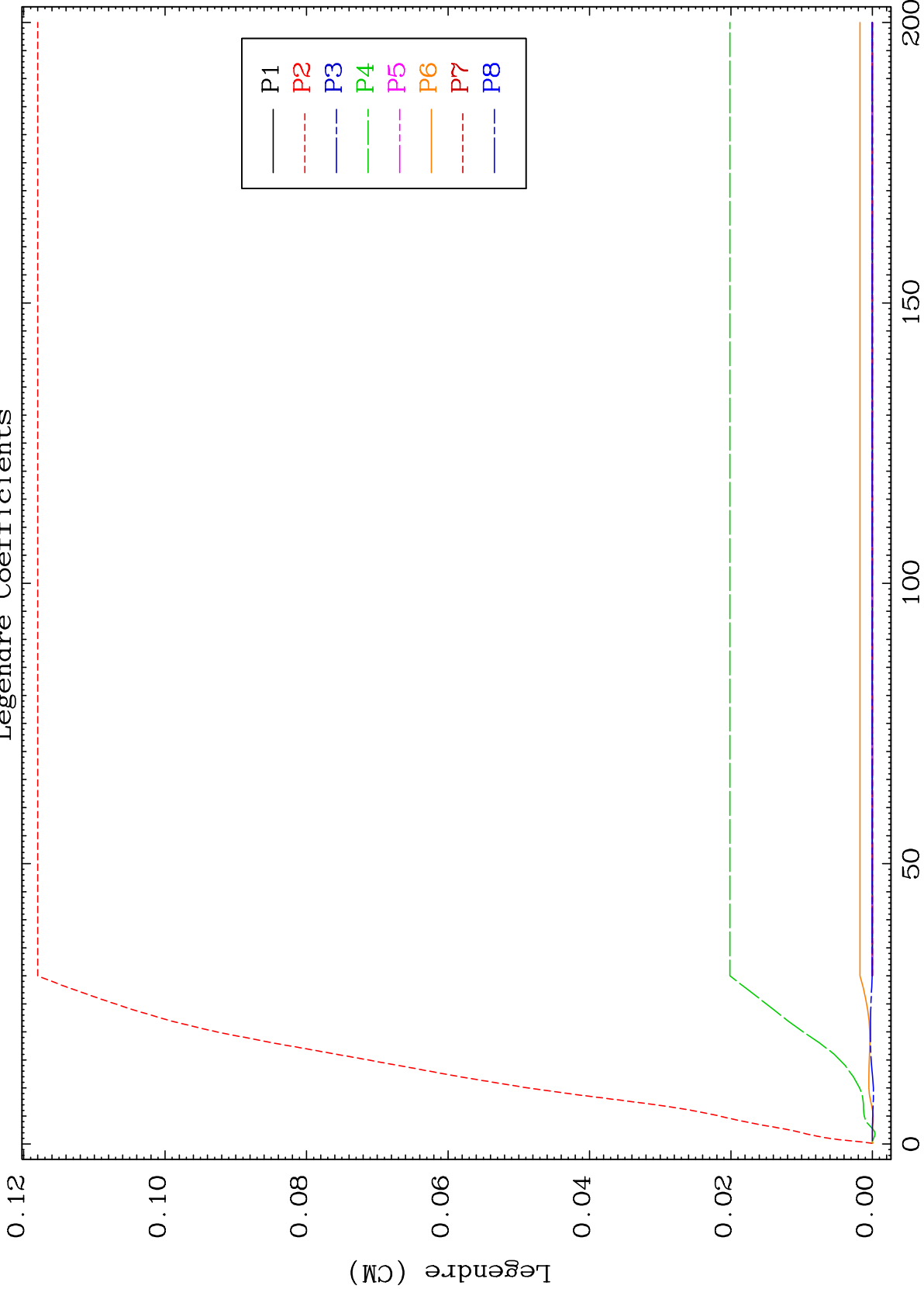


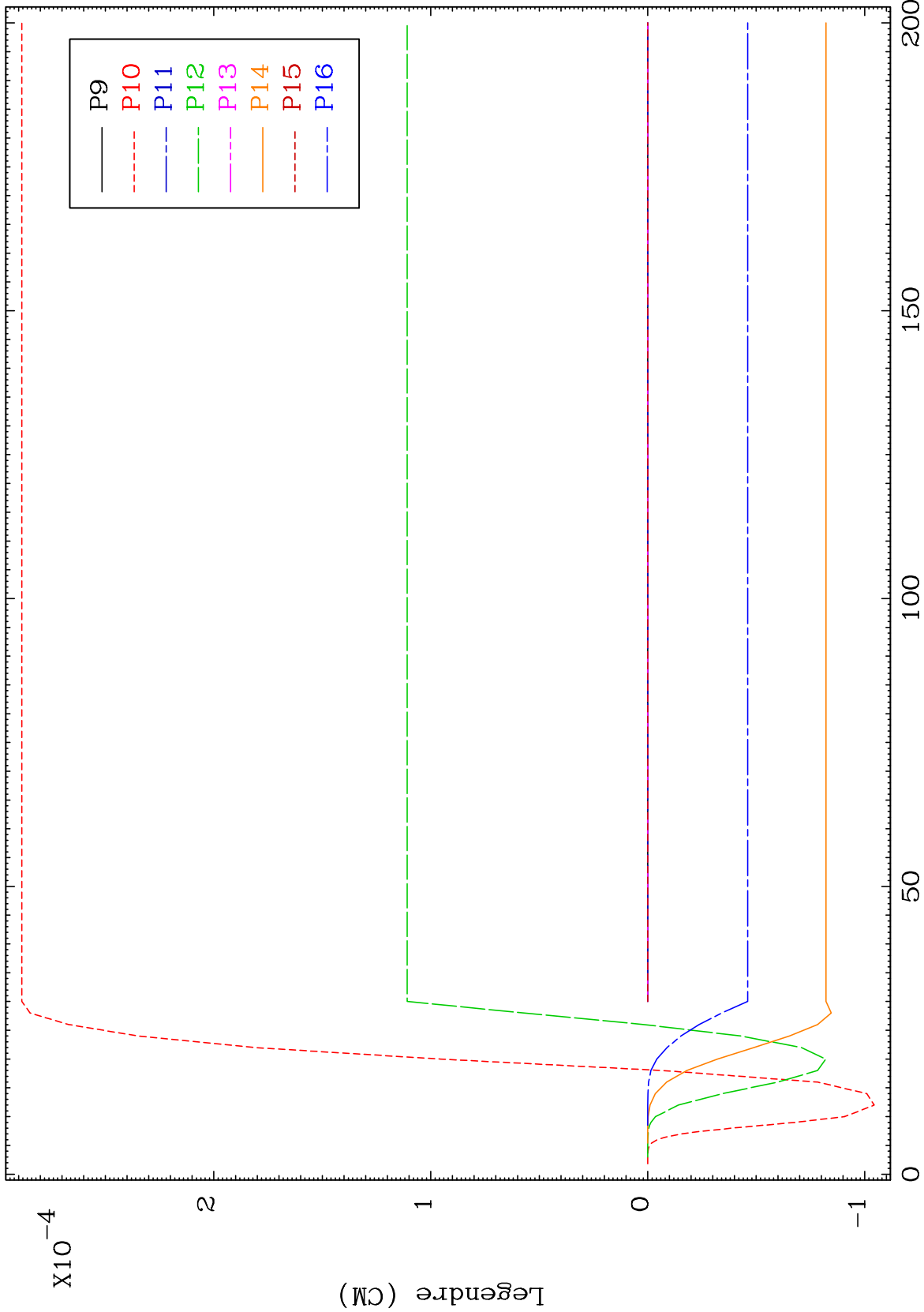
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Incident Energy (MeV)

53-I -126



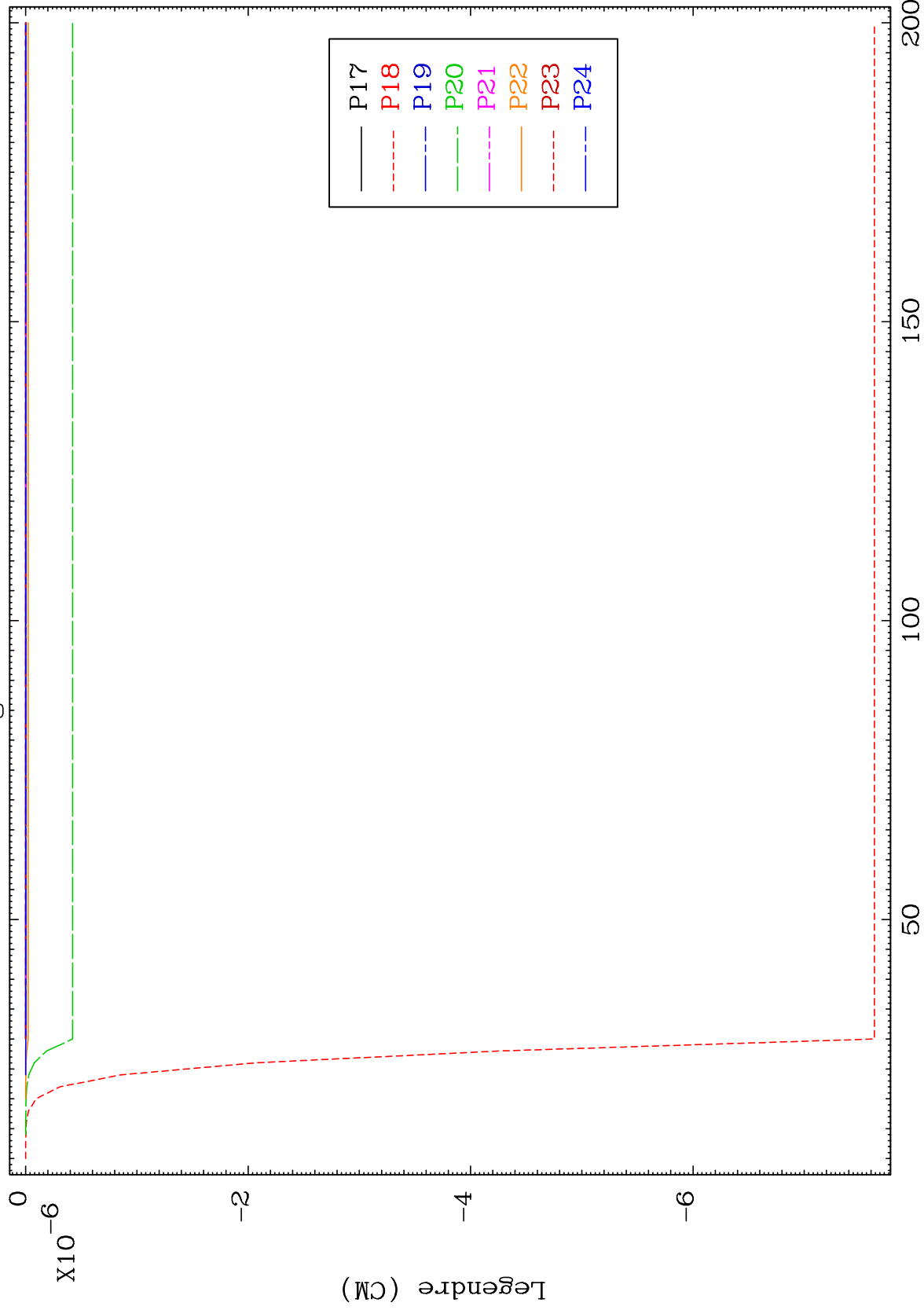




MAT 5322

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

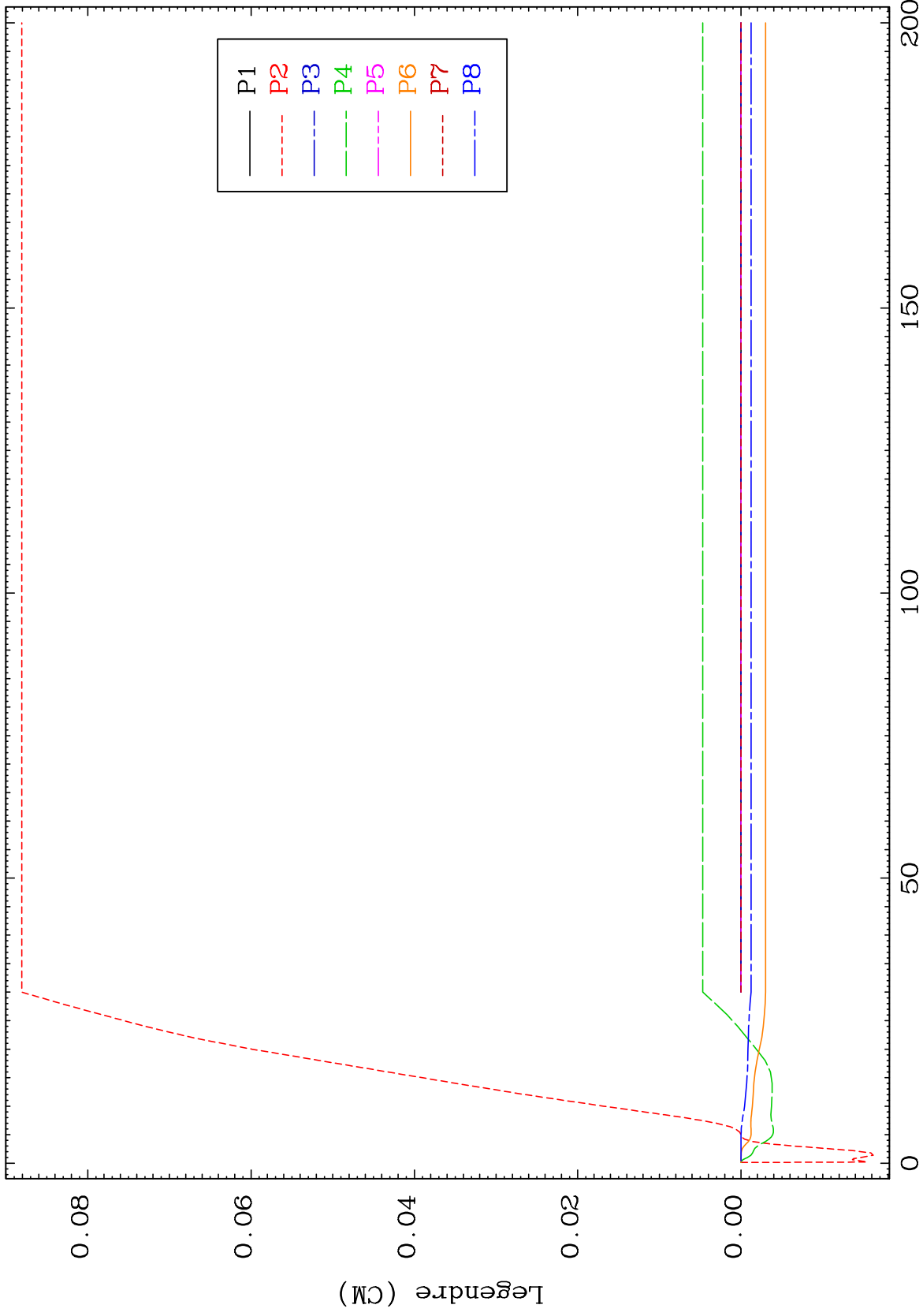
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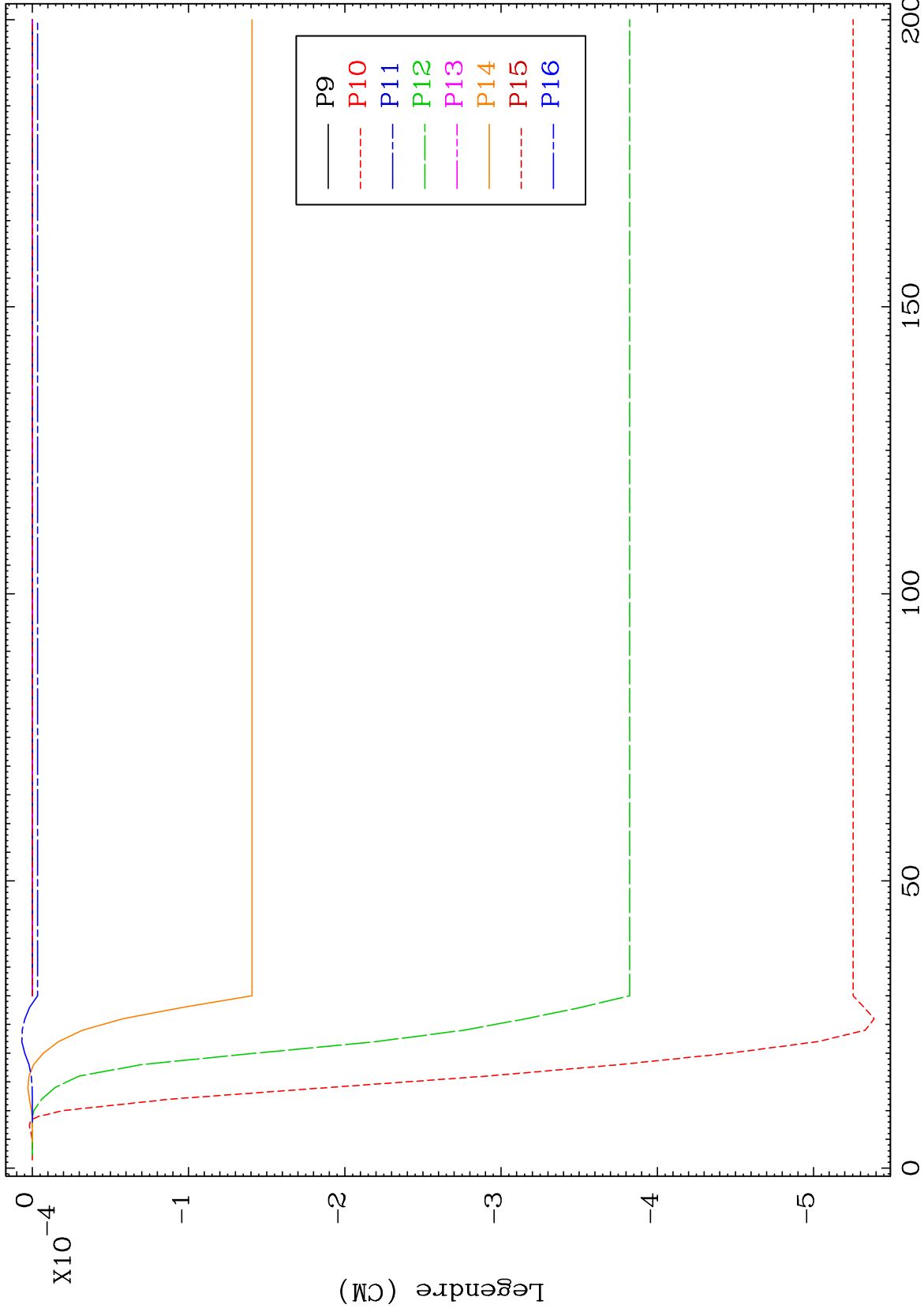


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Incident Energy (MeV)

53-I -126

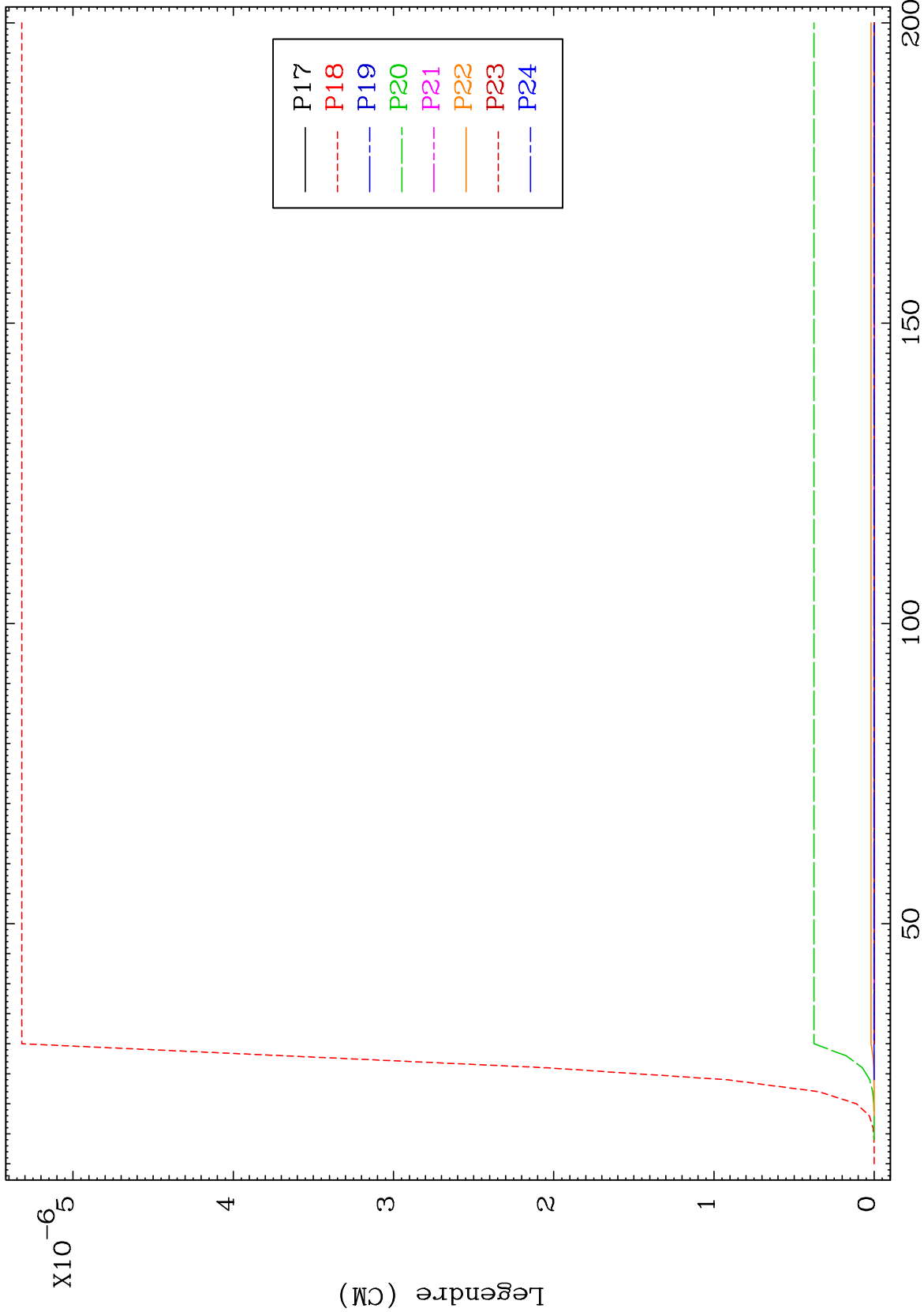




MAT 5322

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

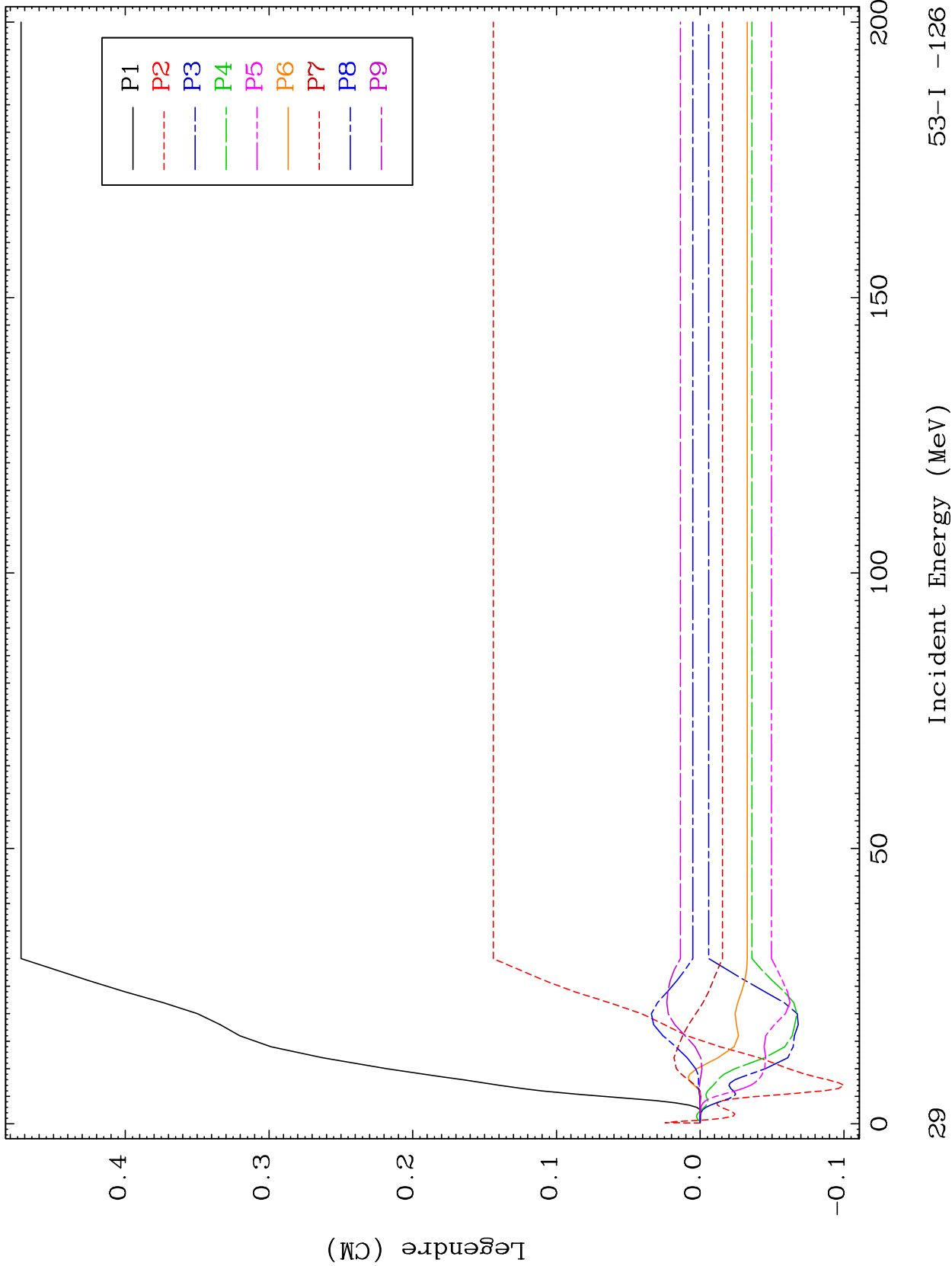
53-I -126



28

Incident Energy (MeV)

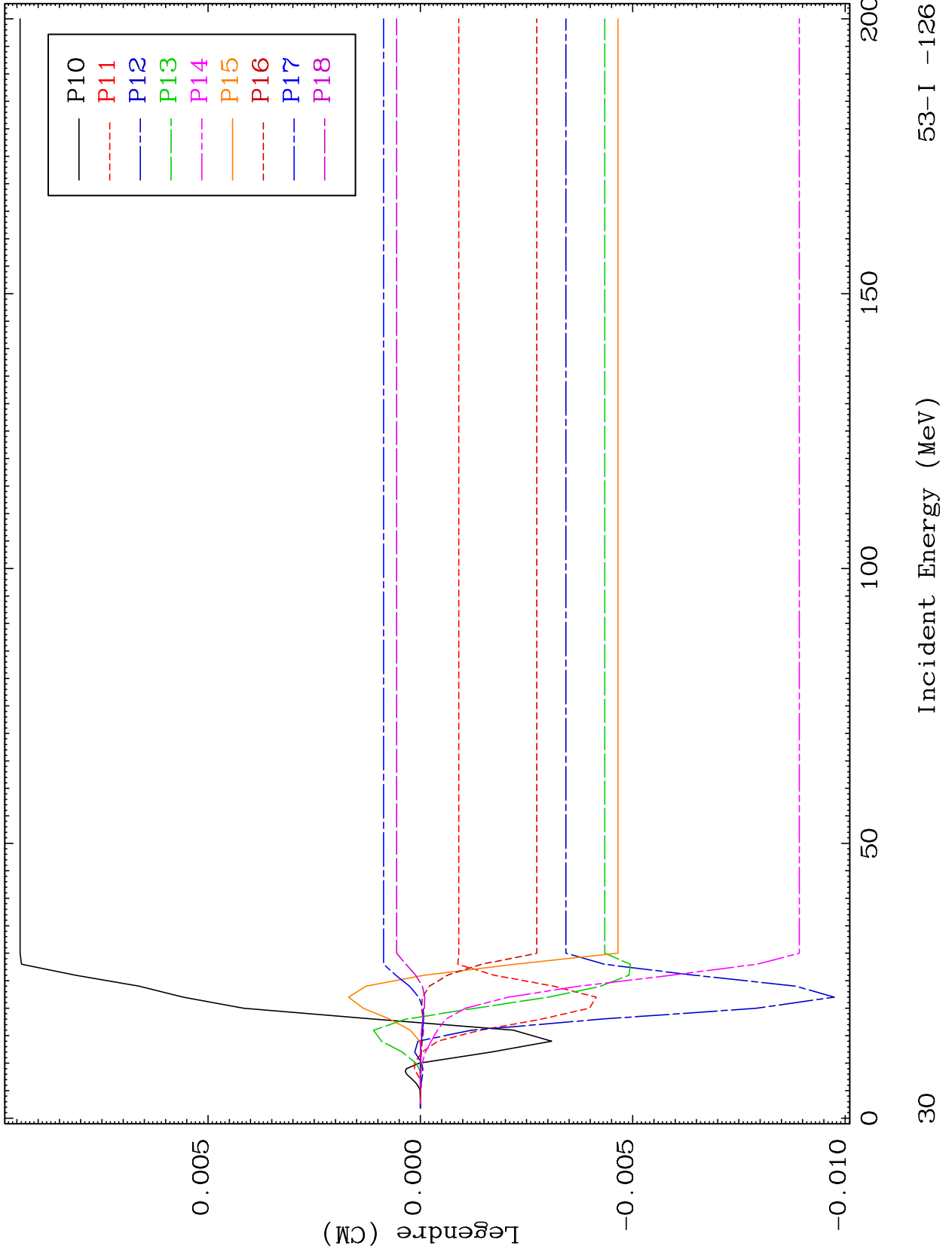
53-I -126



MAT 5322

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

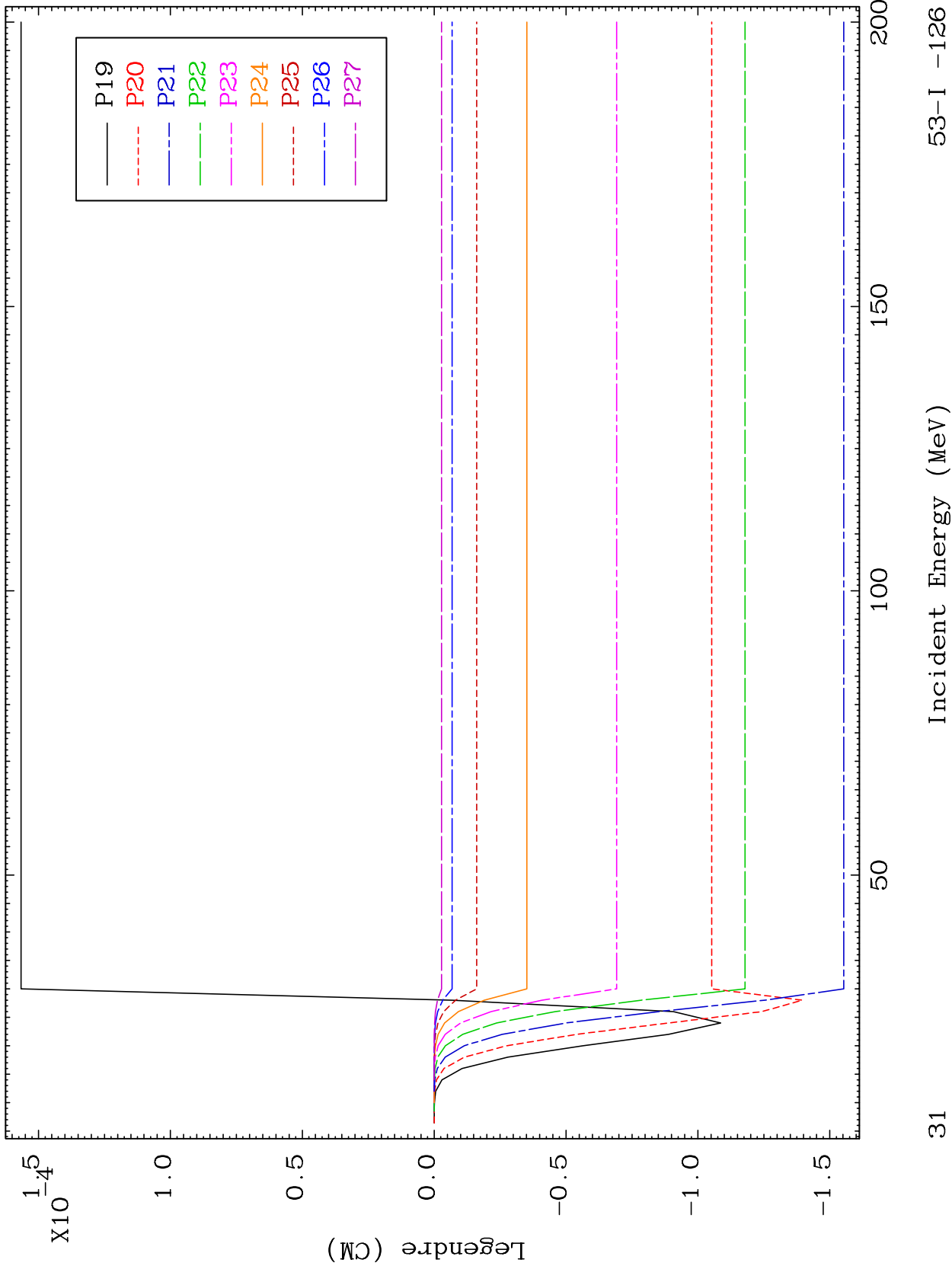
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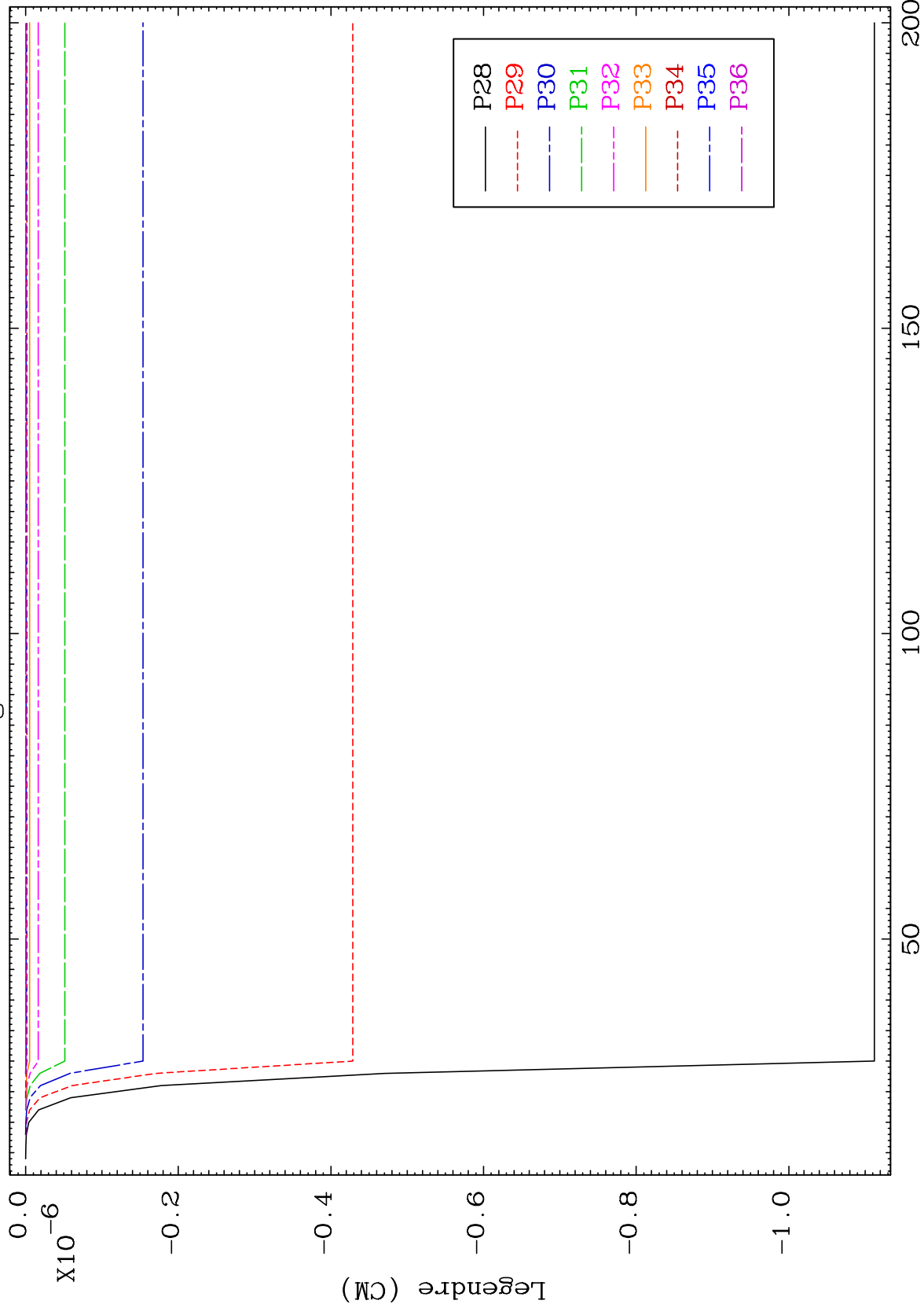


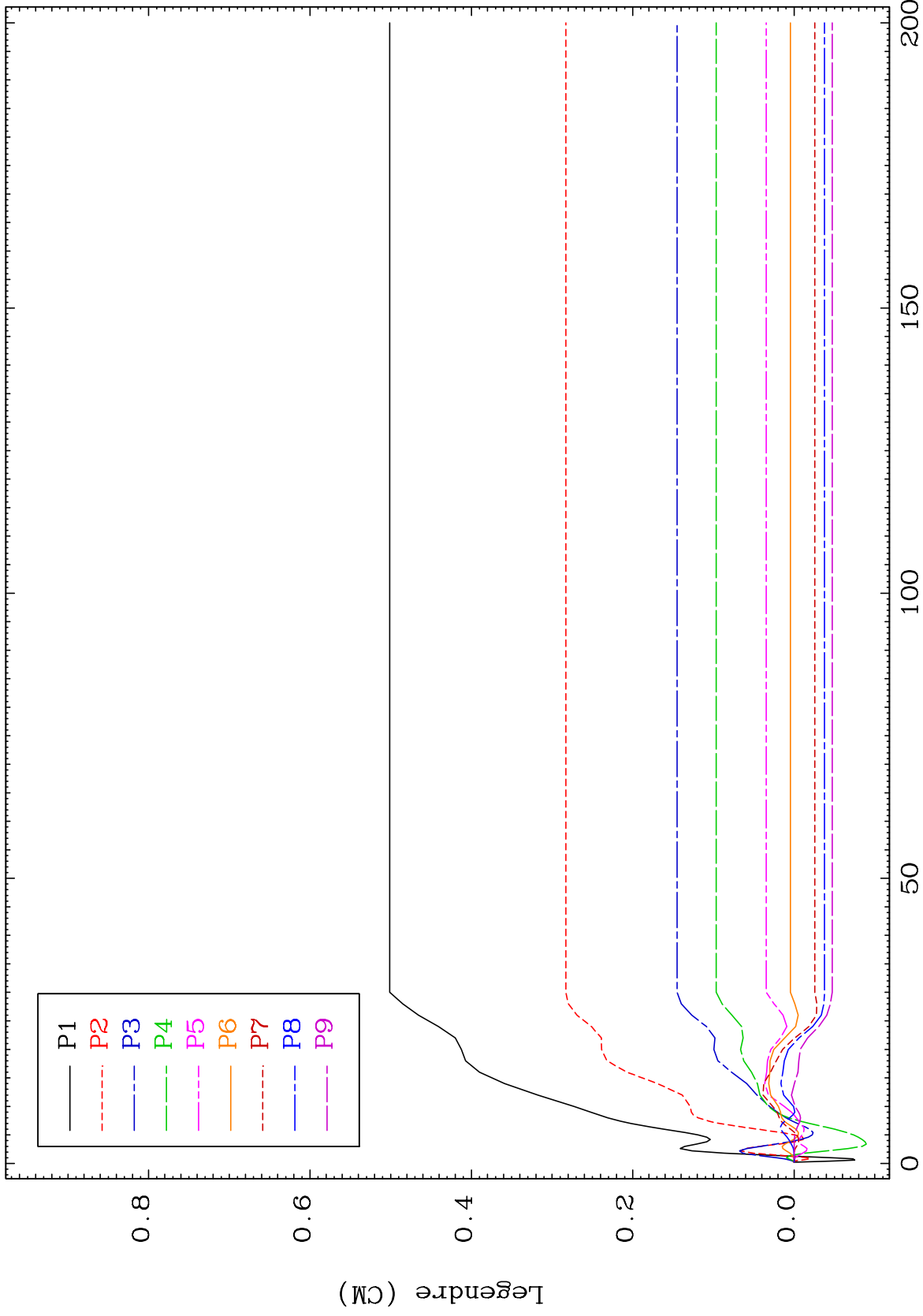
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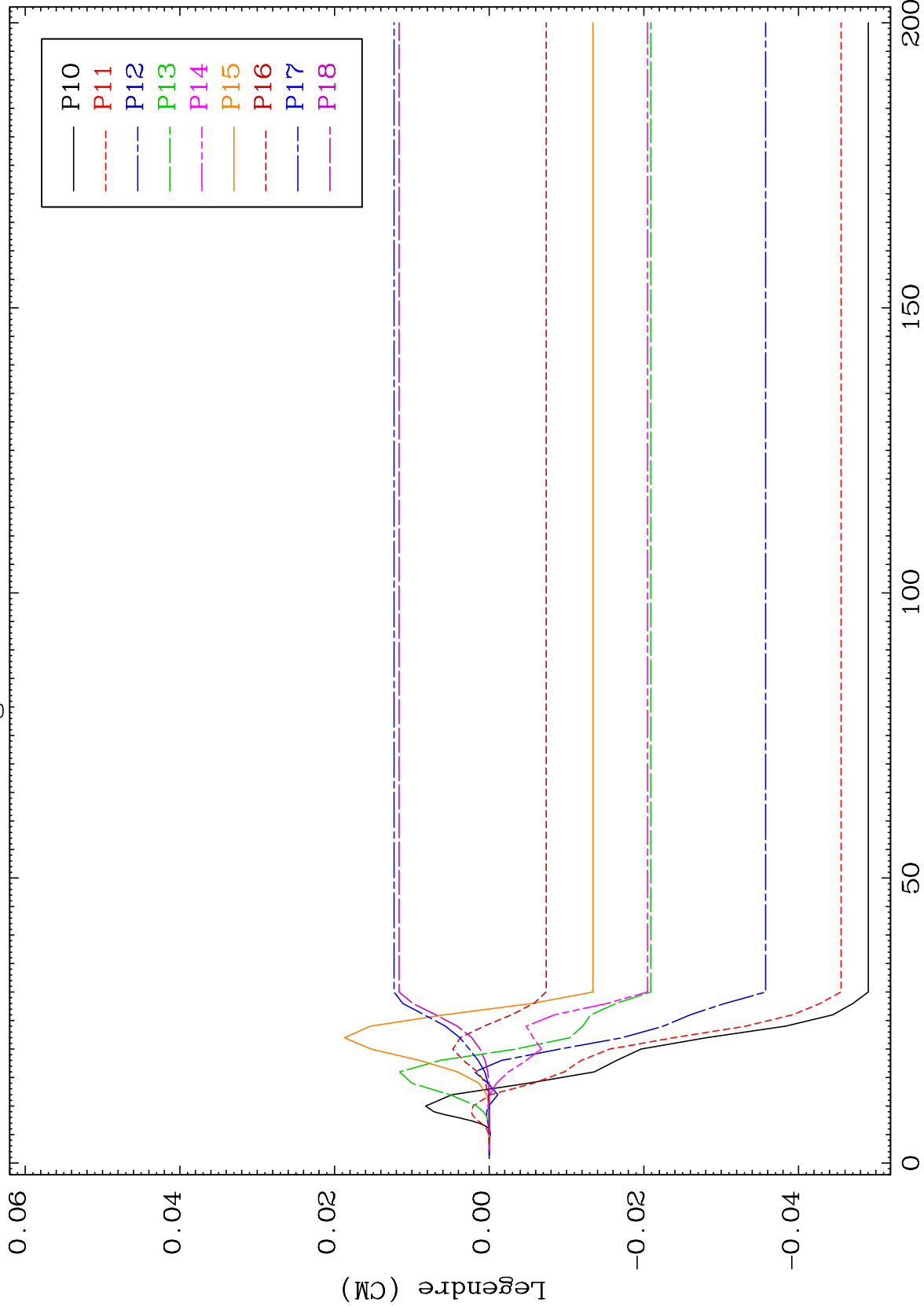
Incident Energy (MeV)

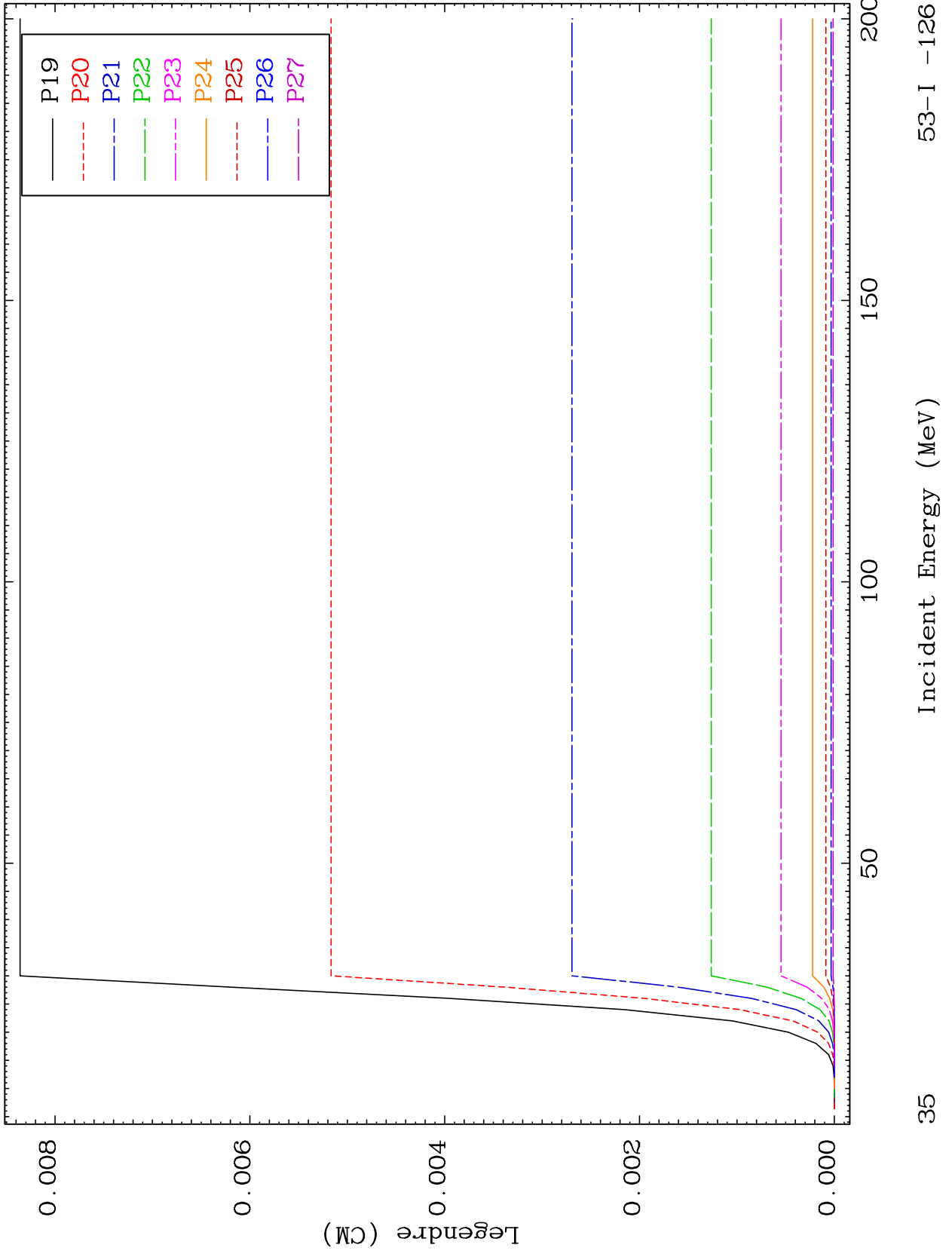
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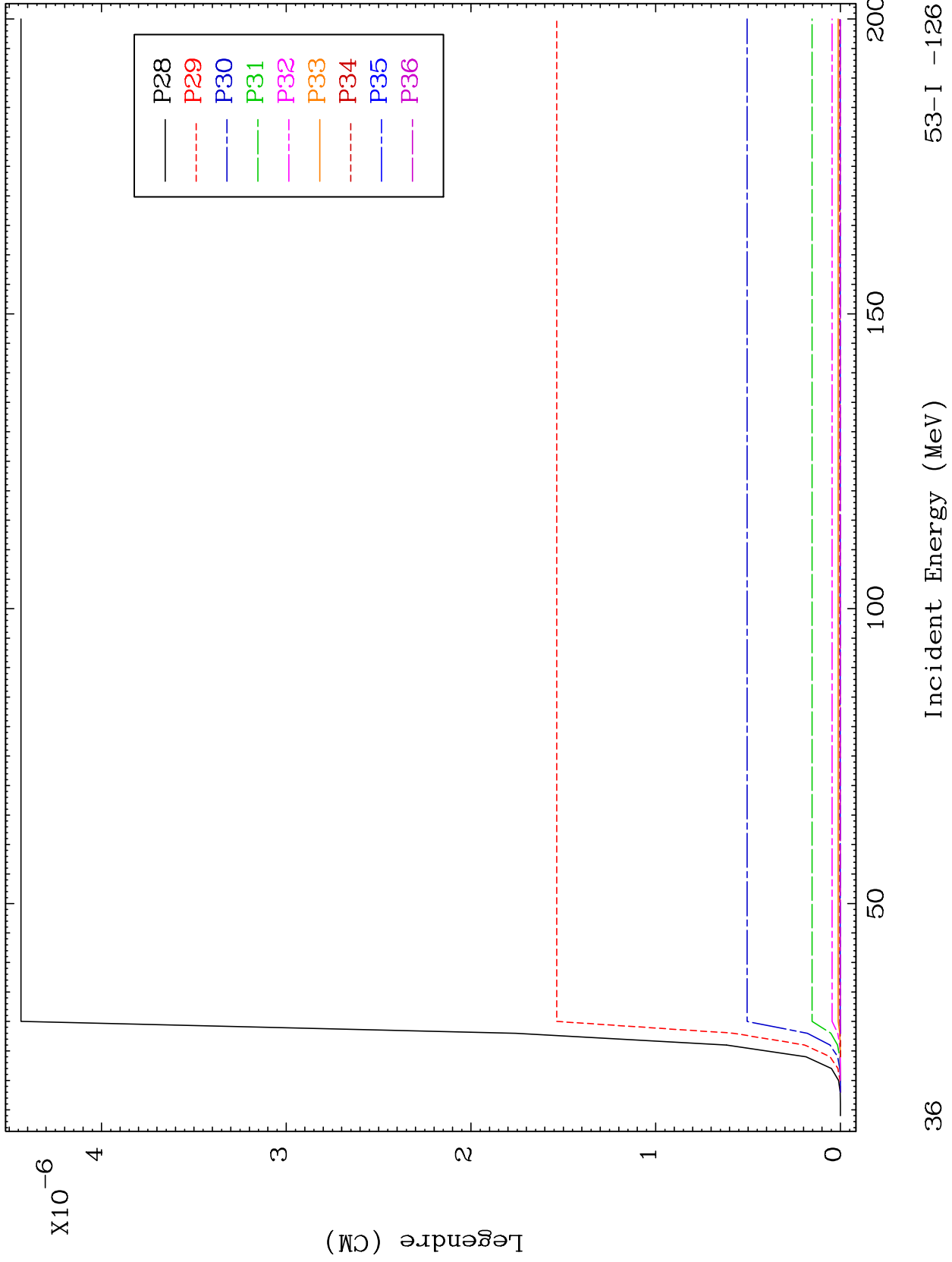


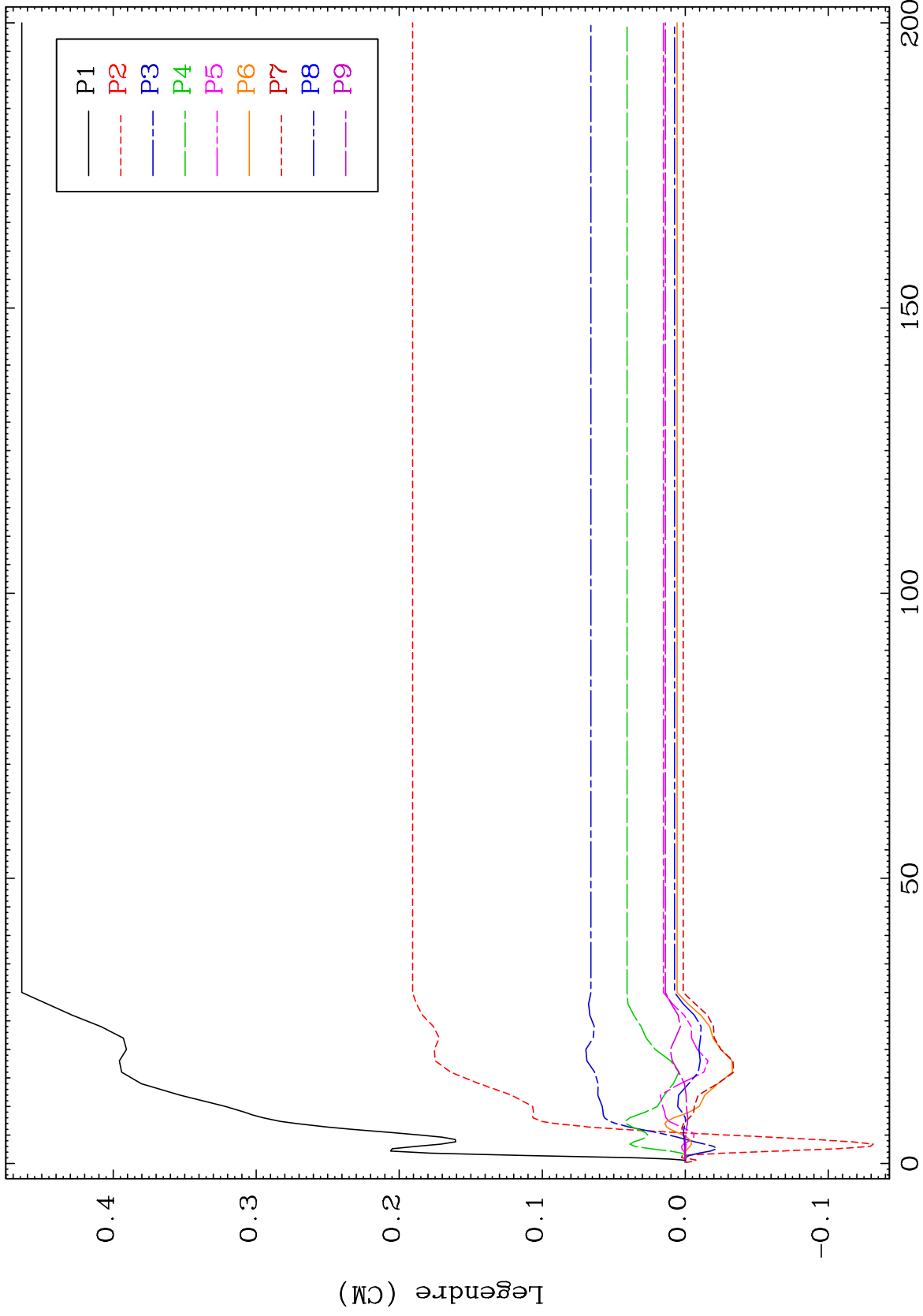


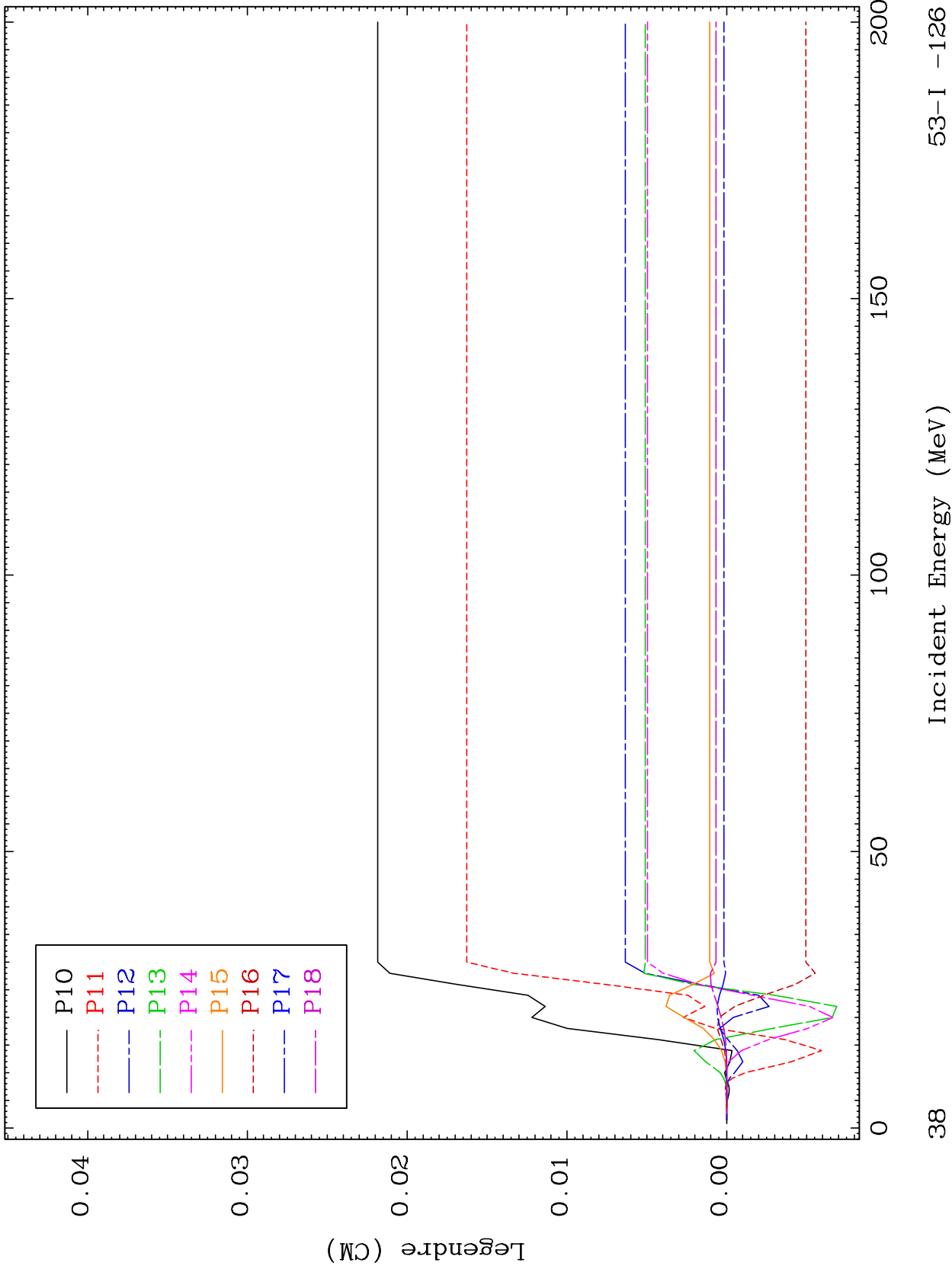


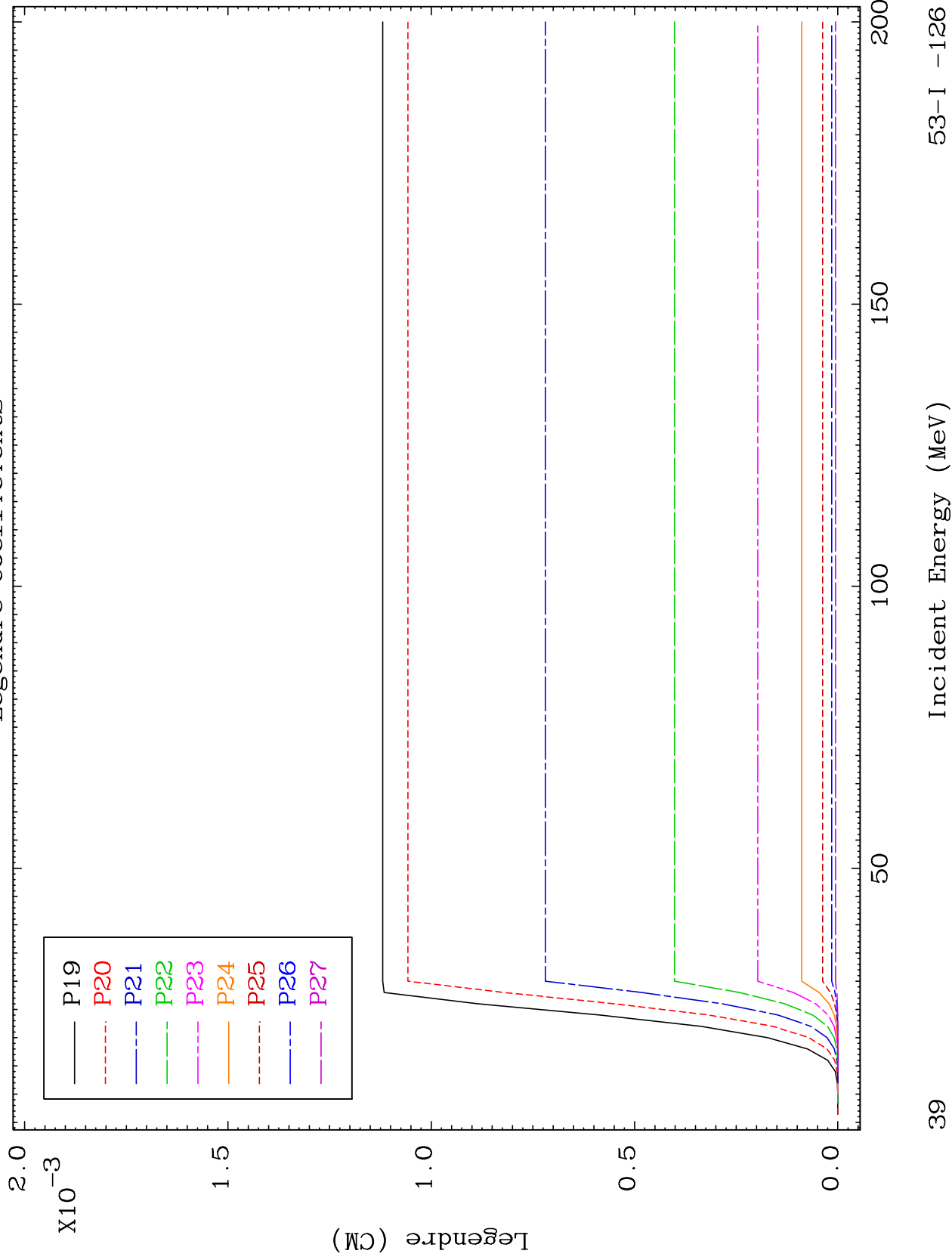


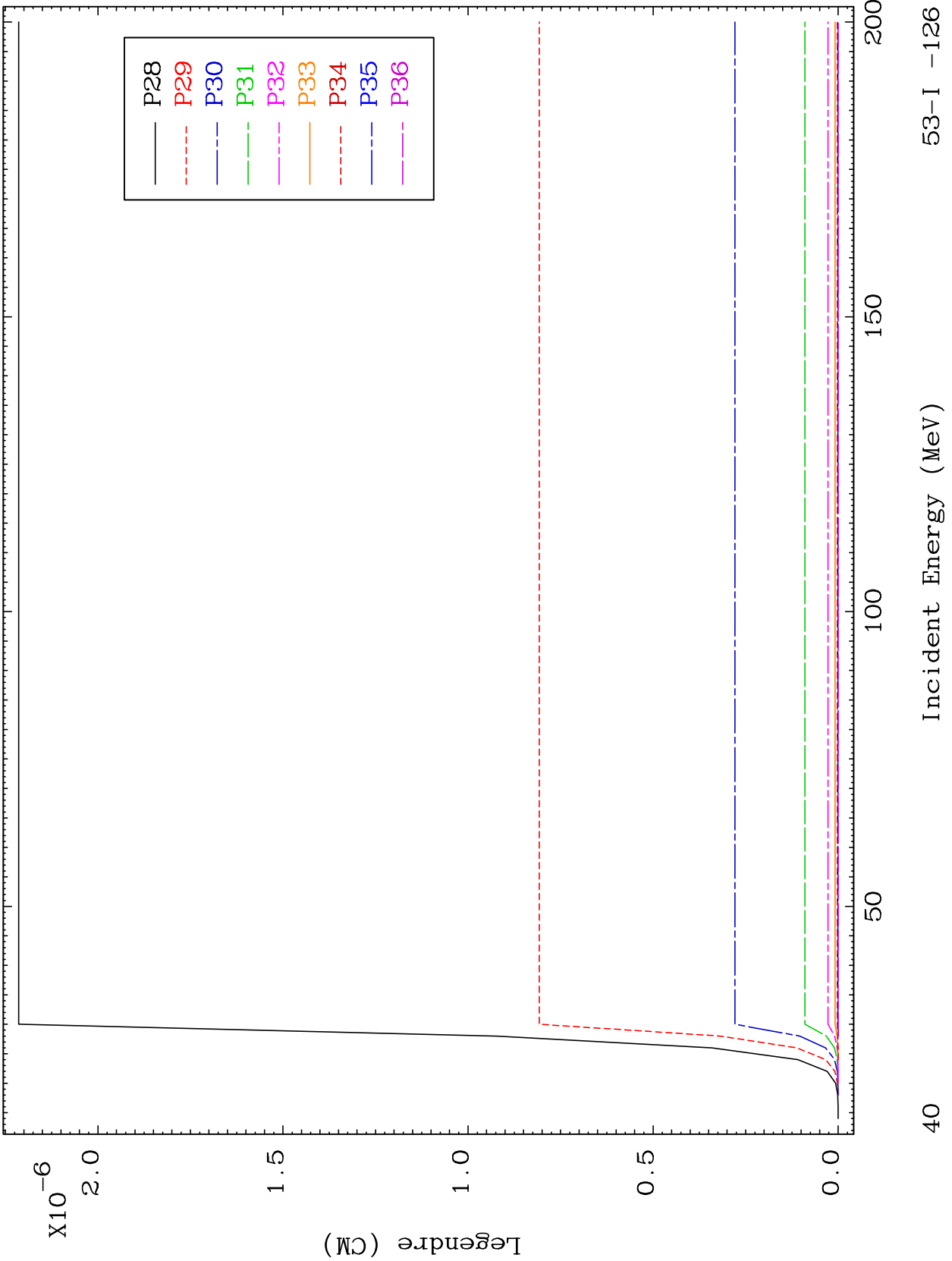


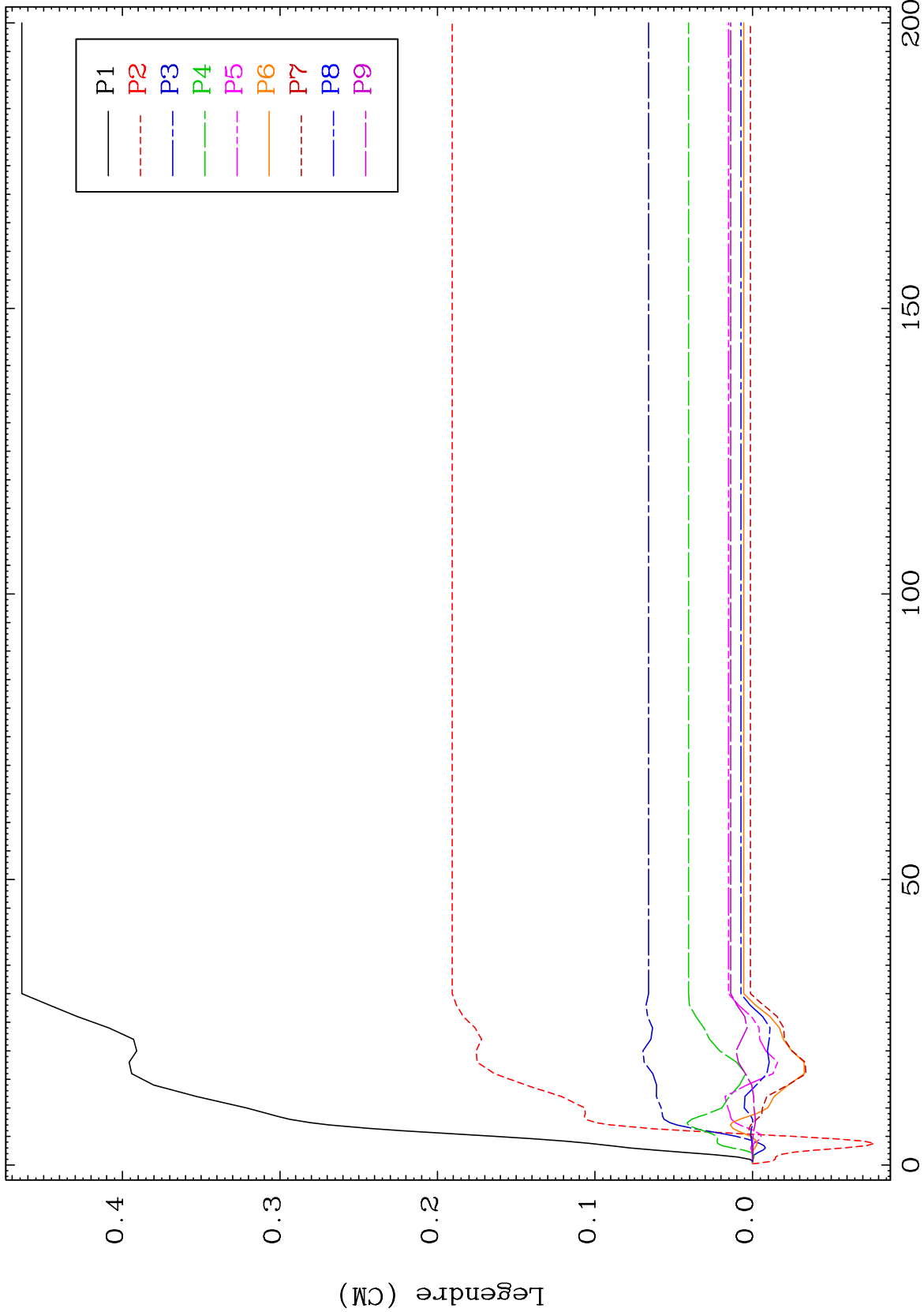


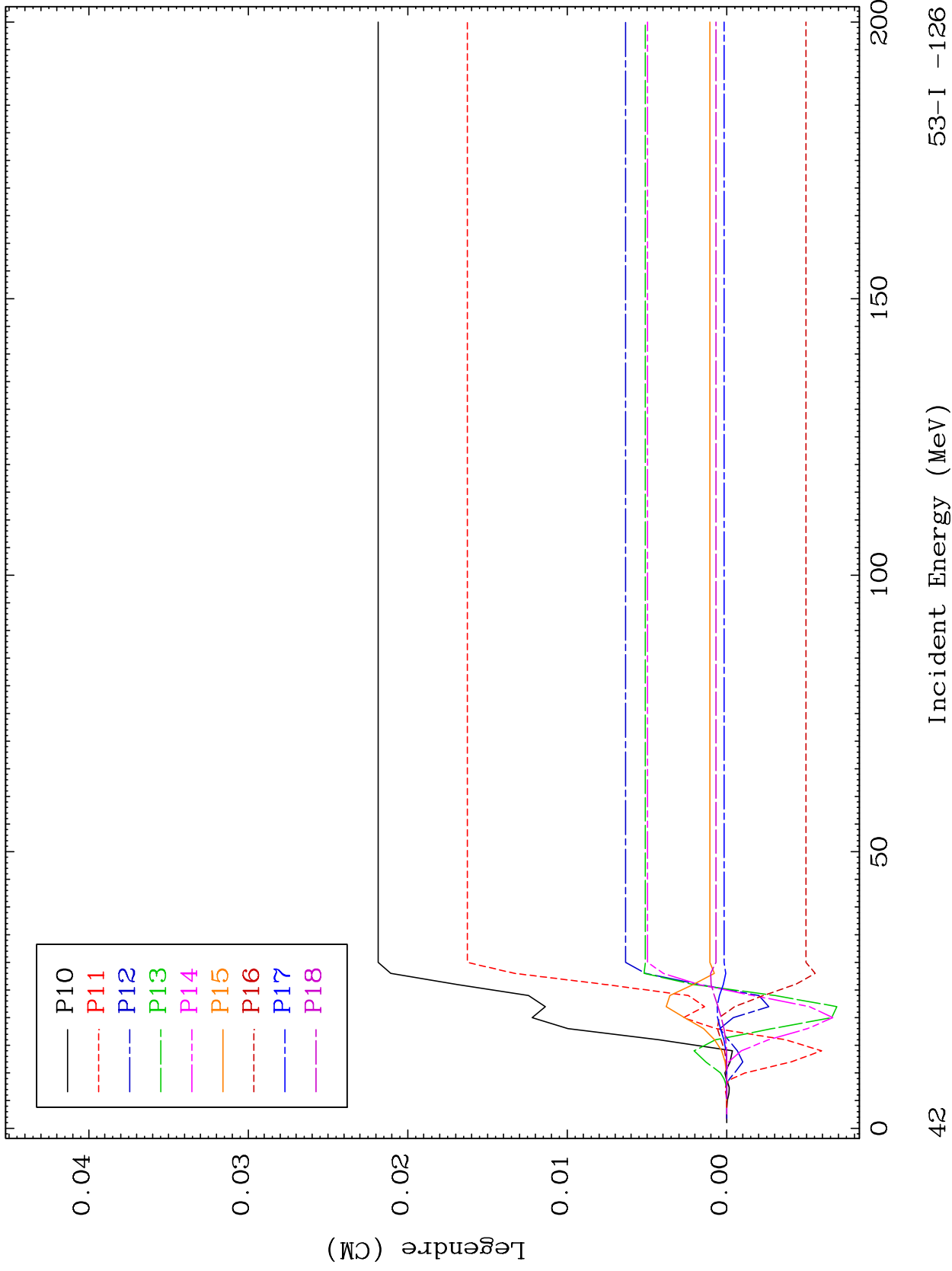


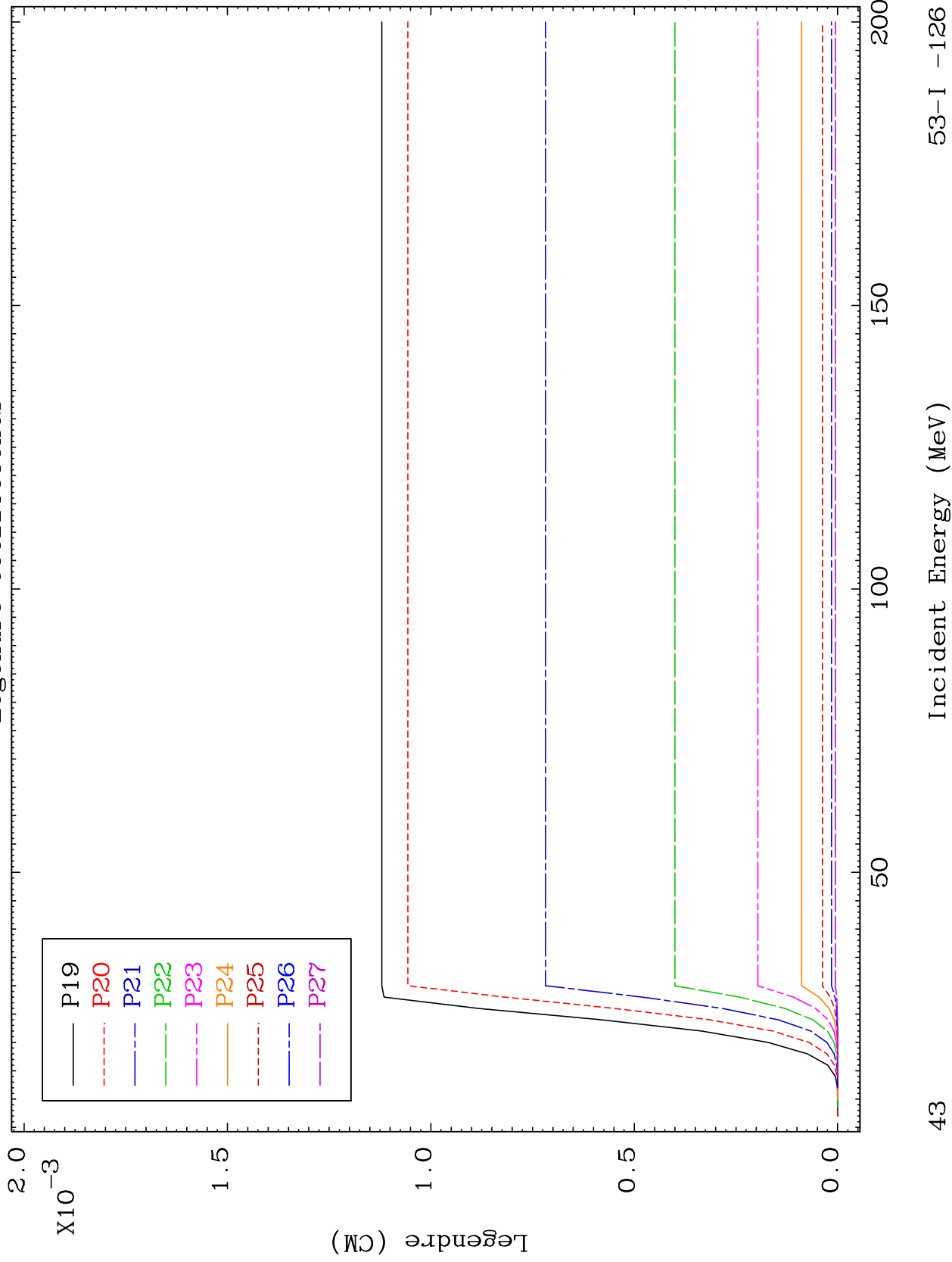


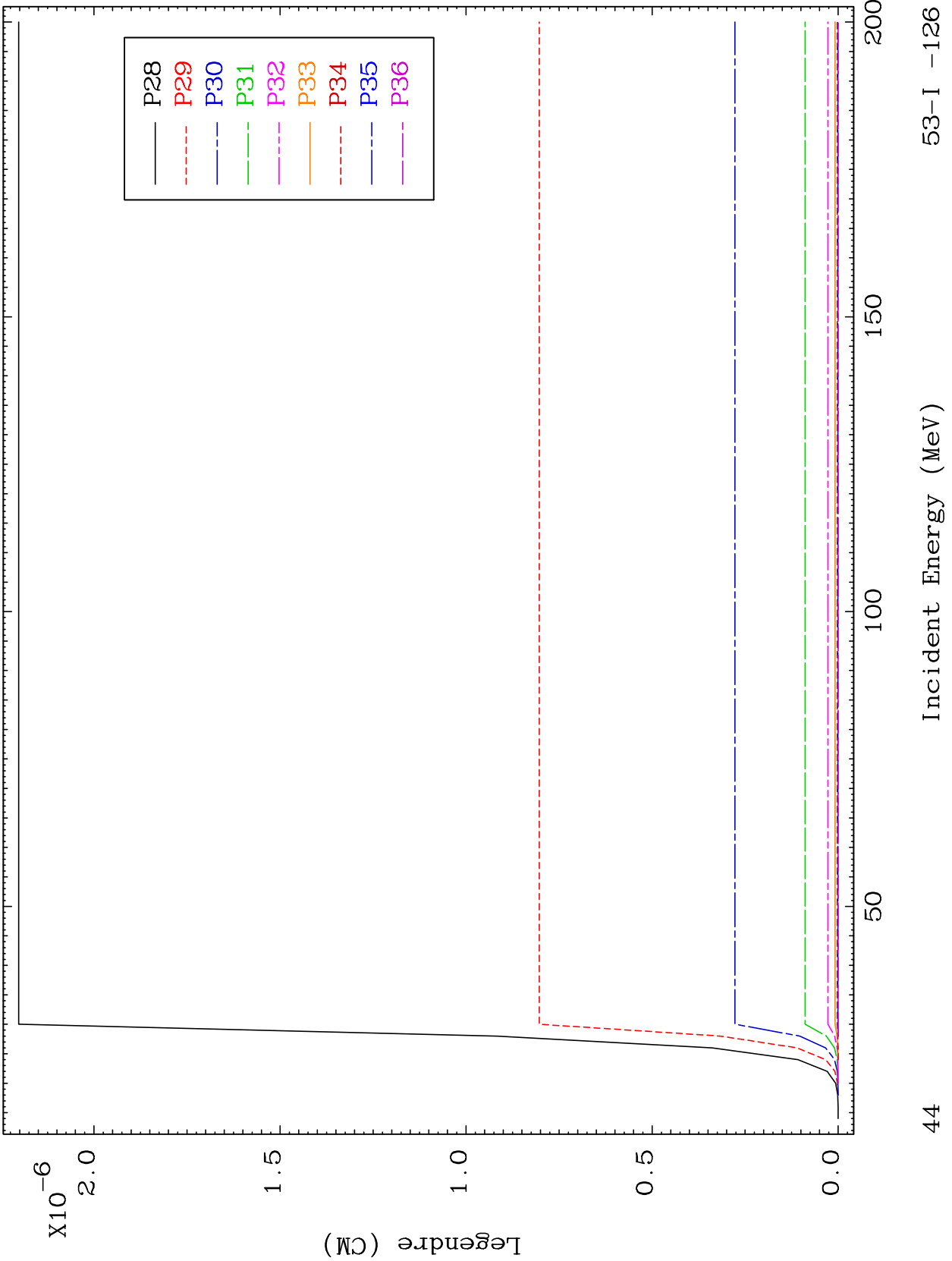


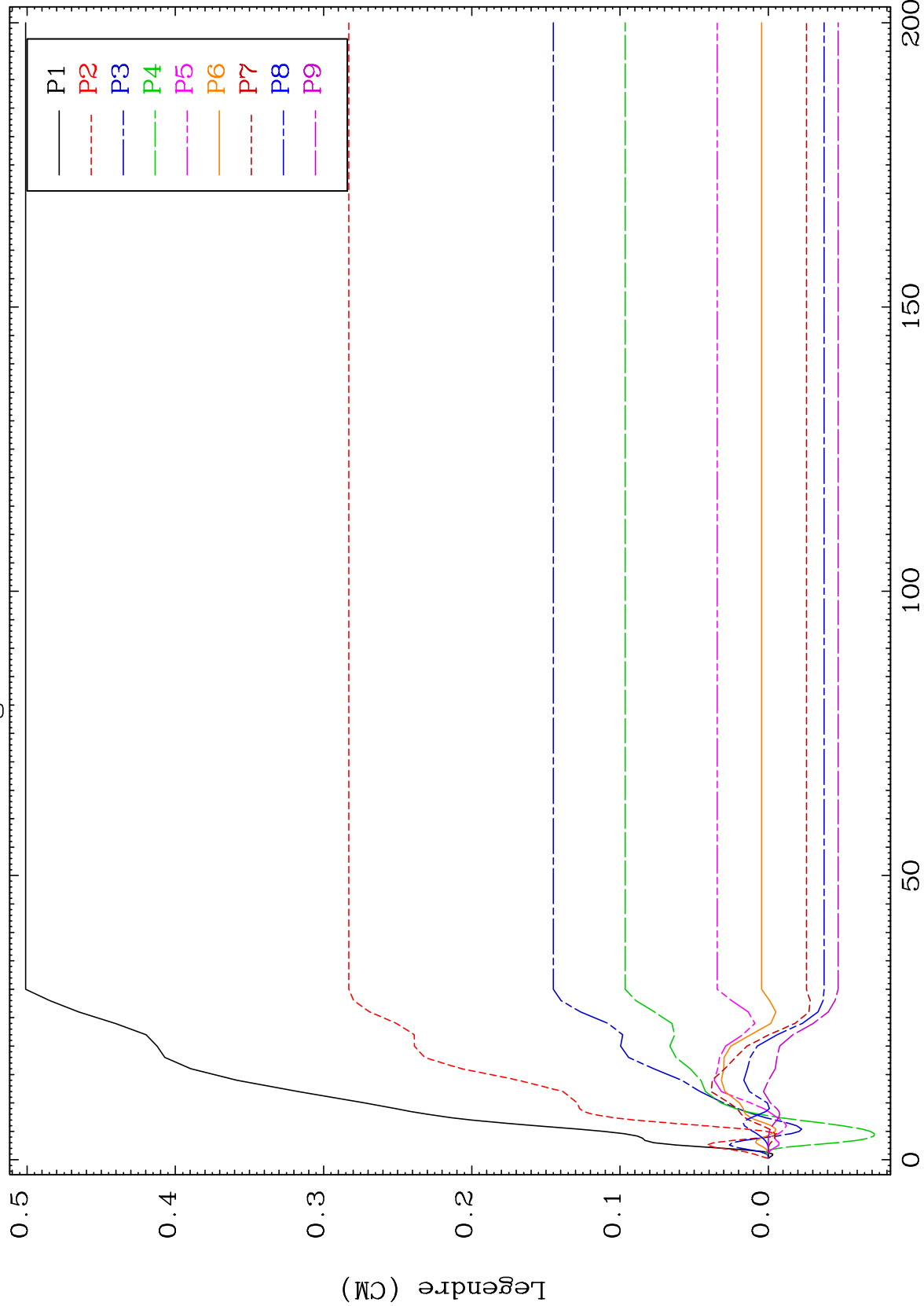


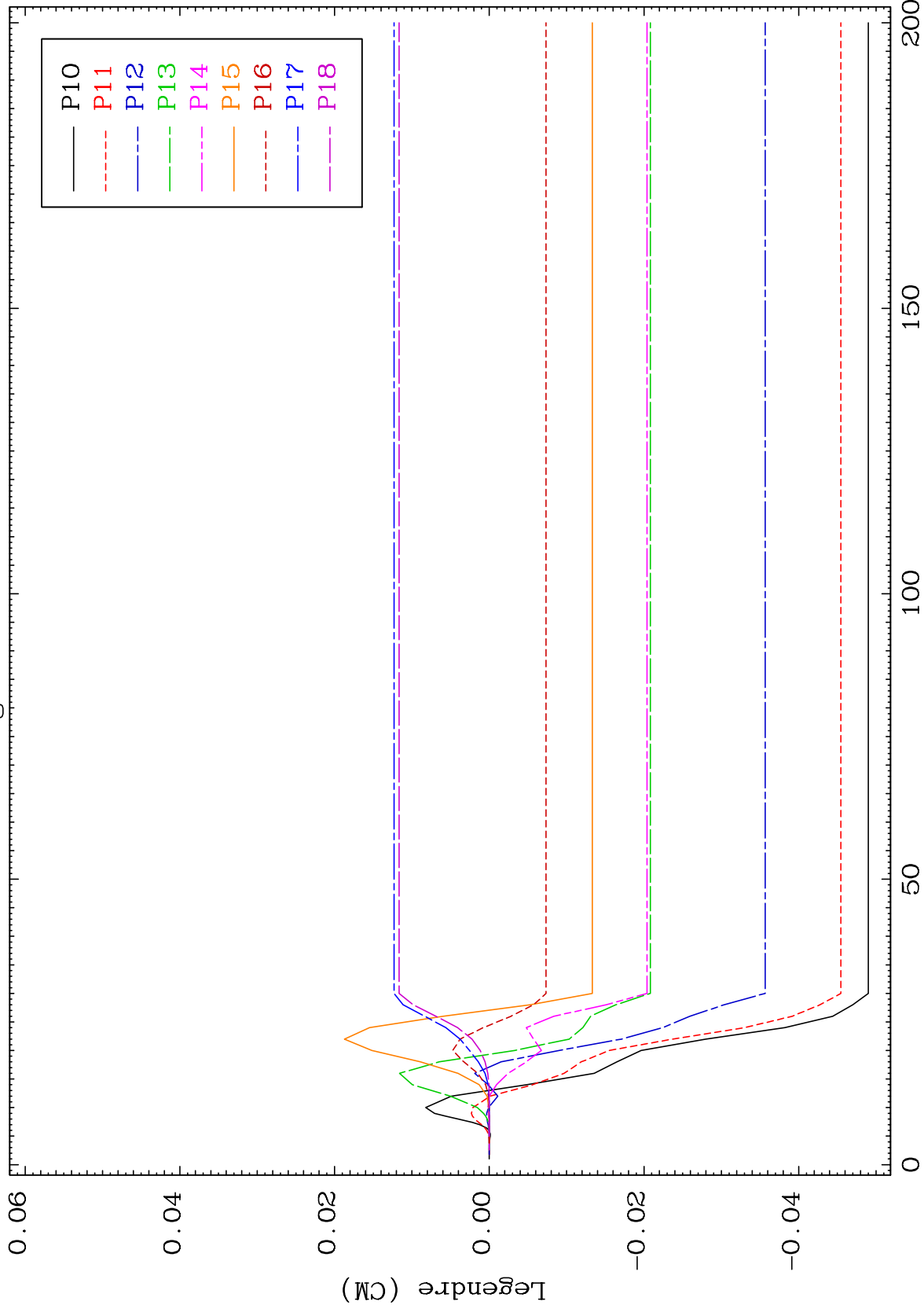


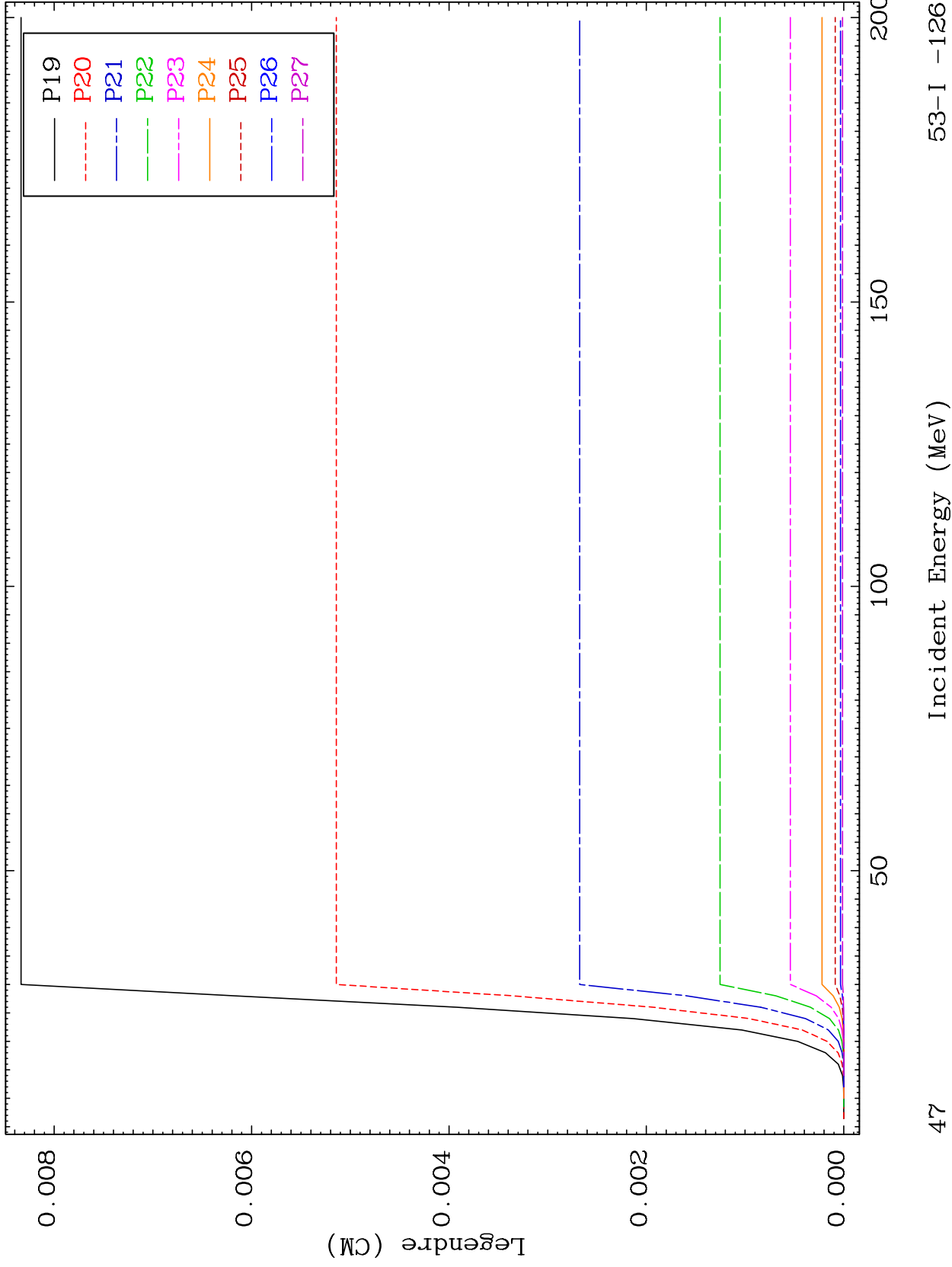


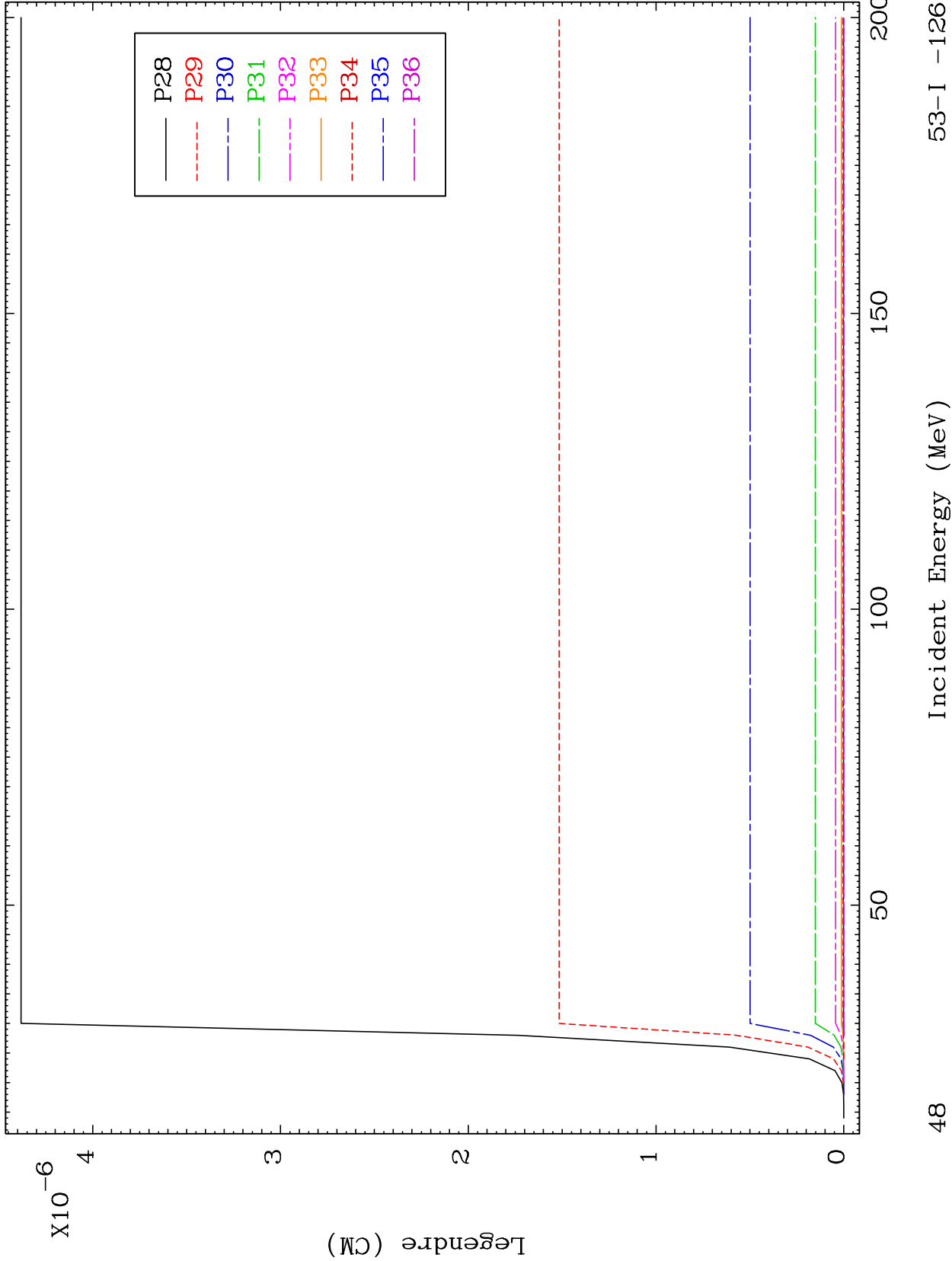


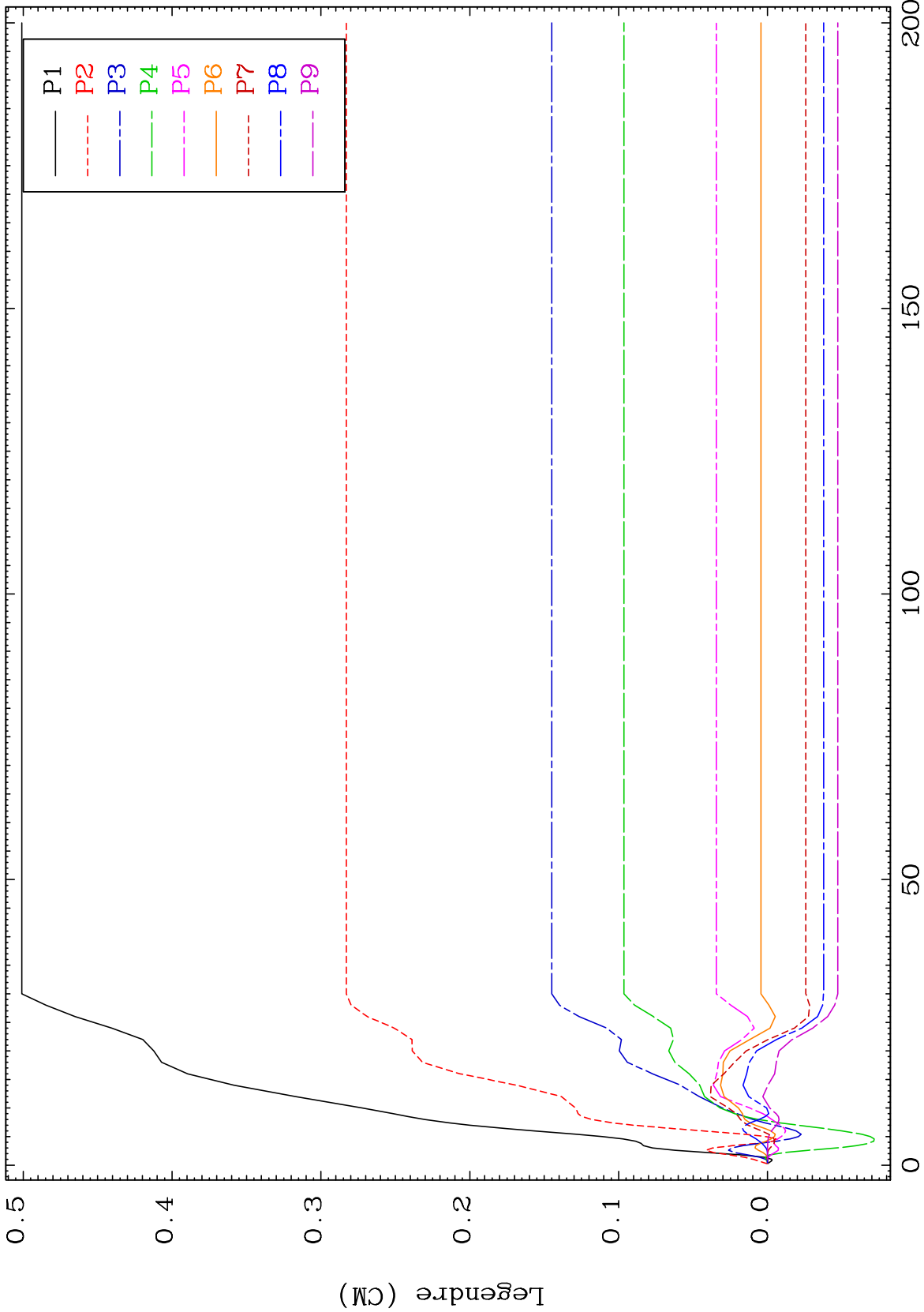








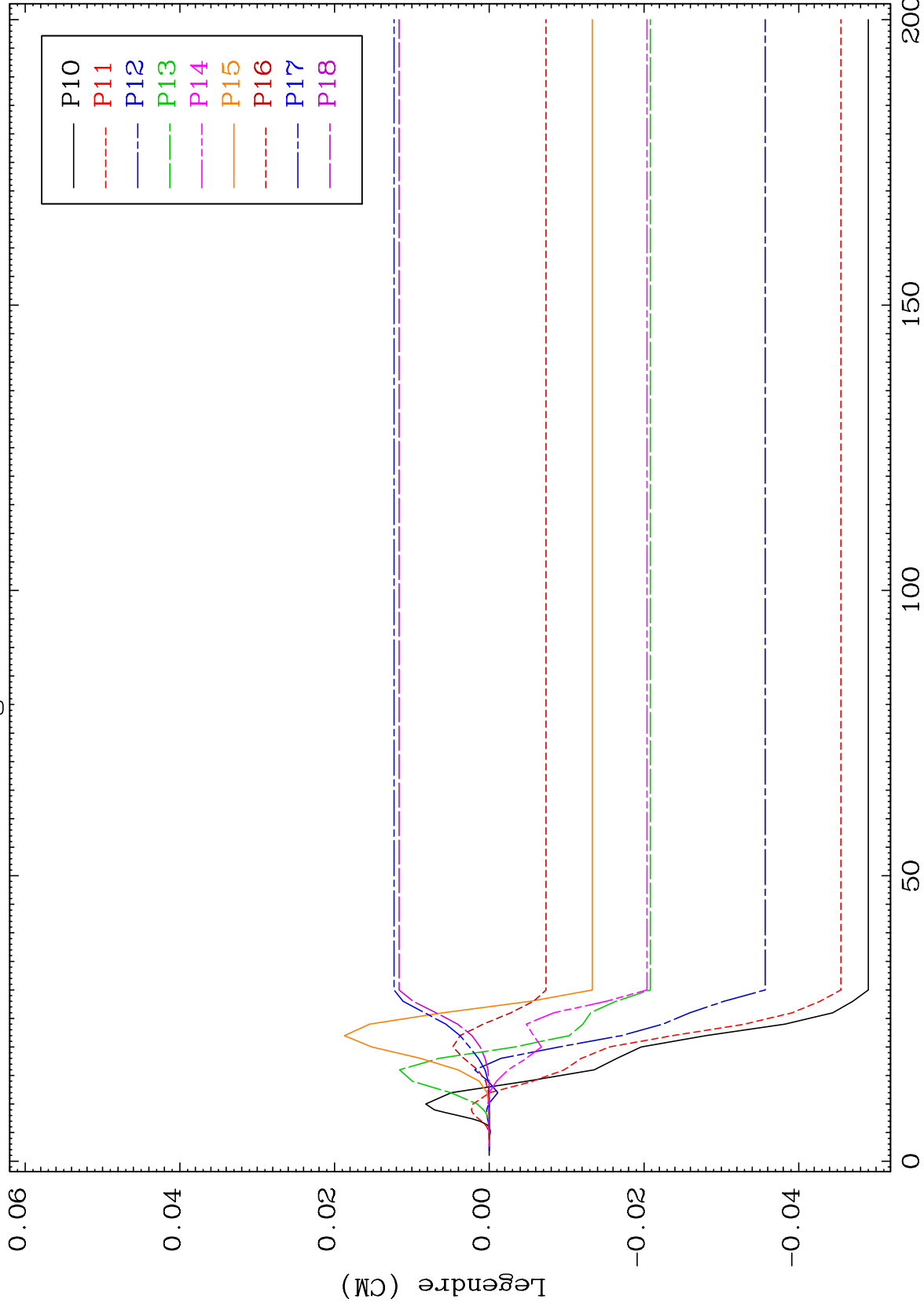




MAT 5322

MT= 59 (n,n') Level
Legendre Coefficients

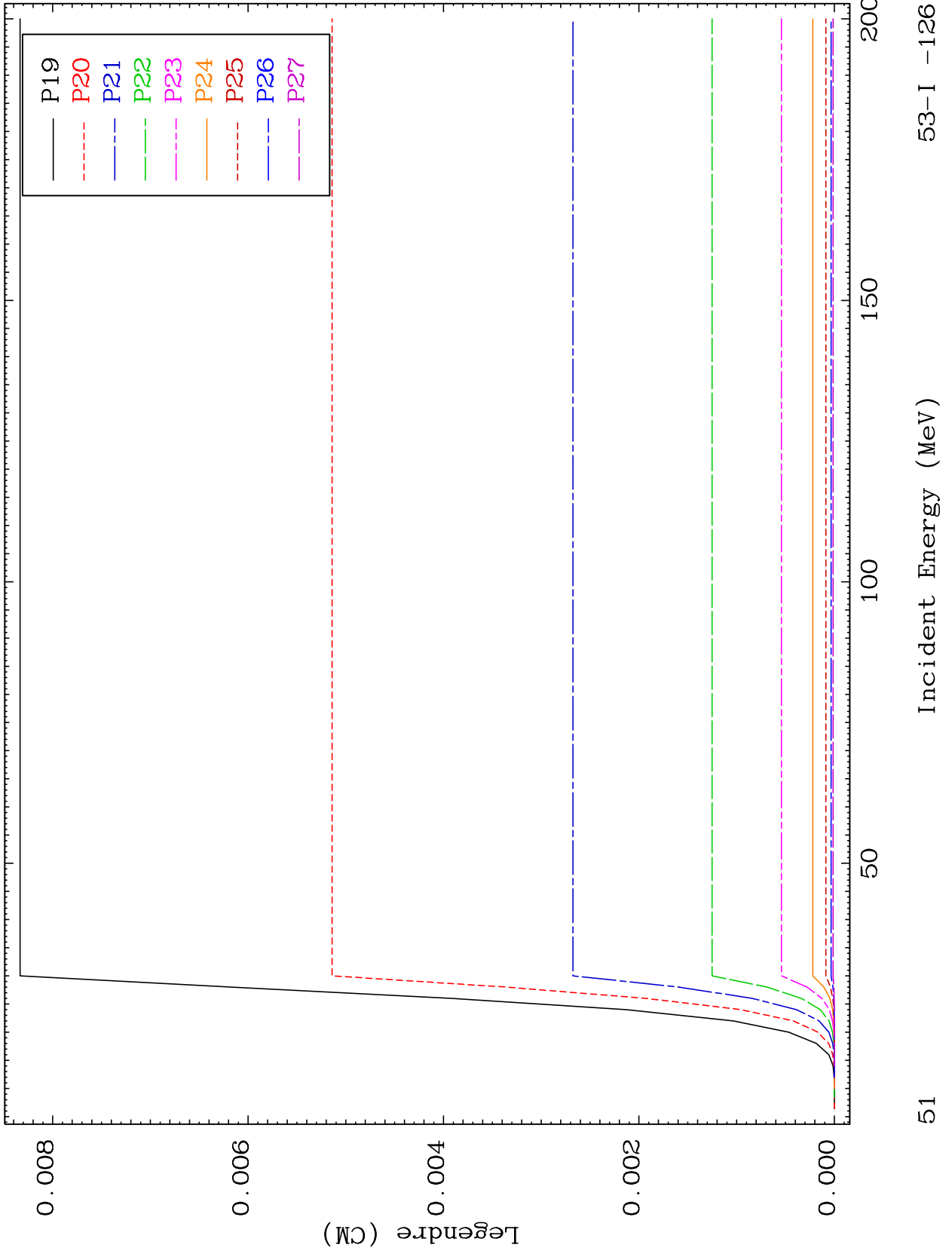
53-I -126

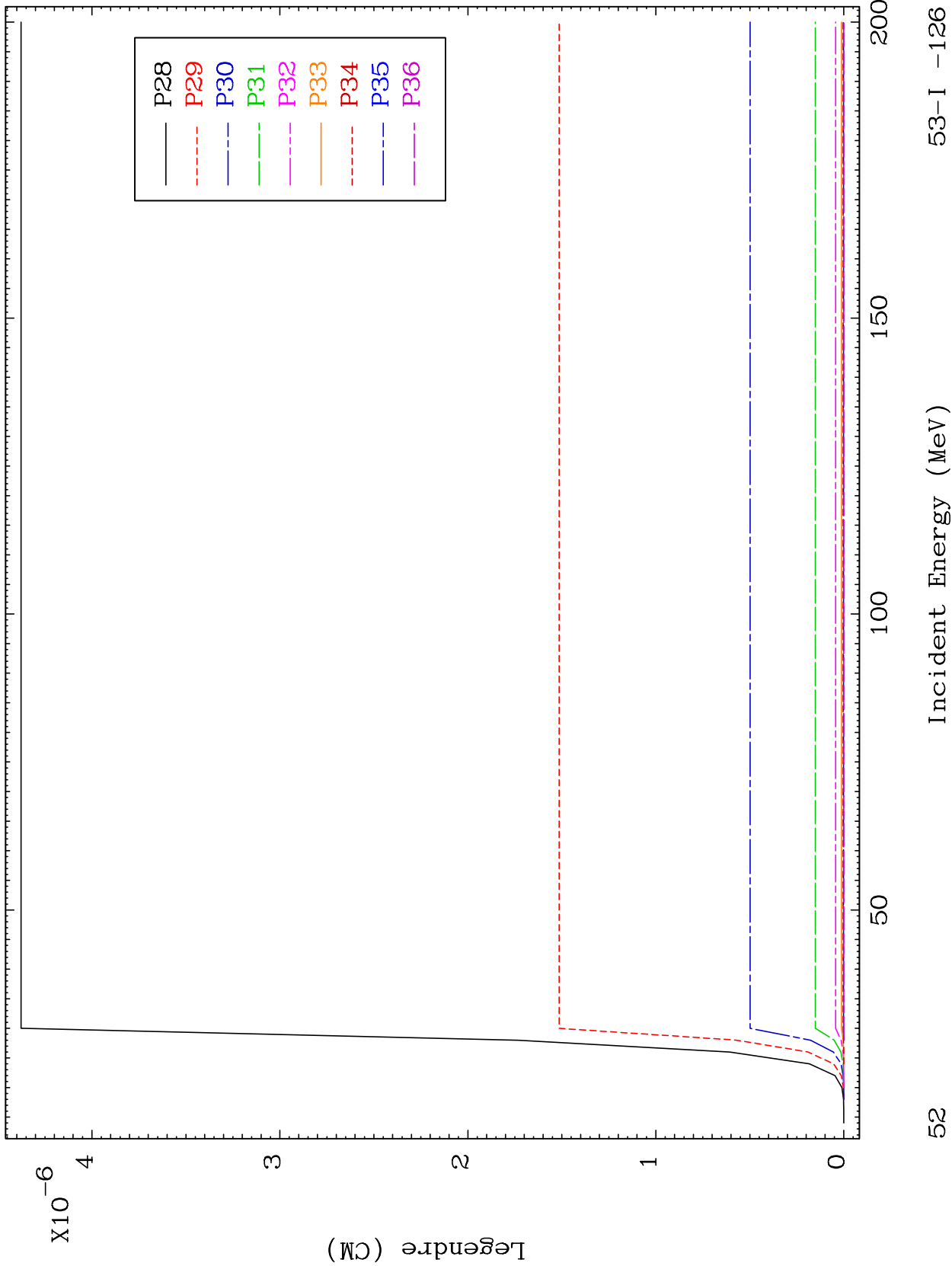


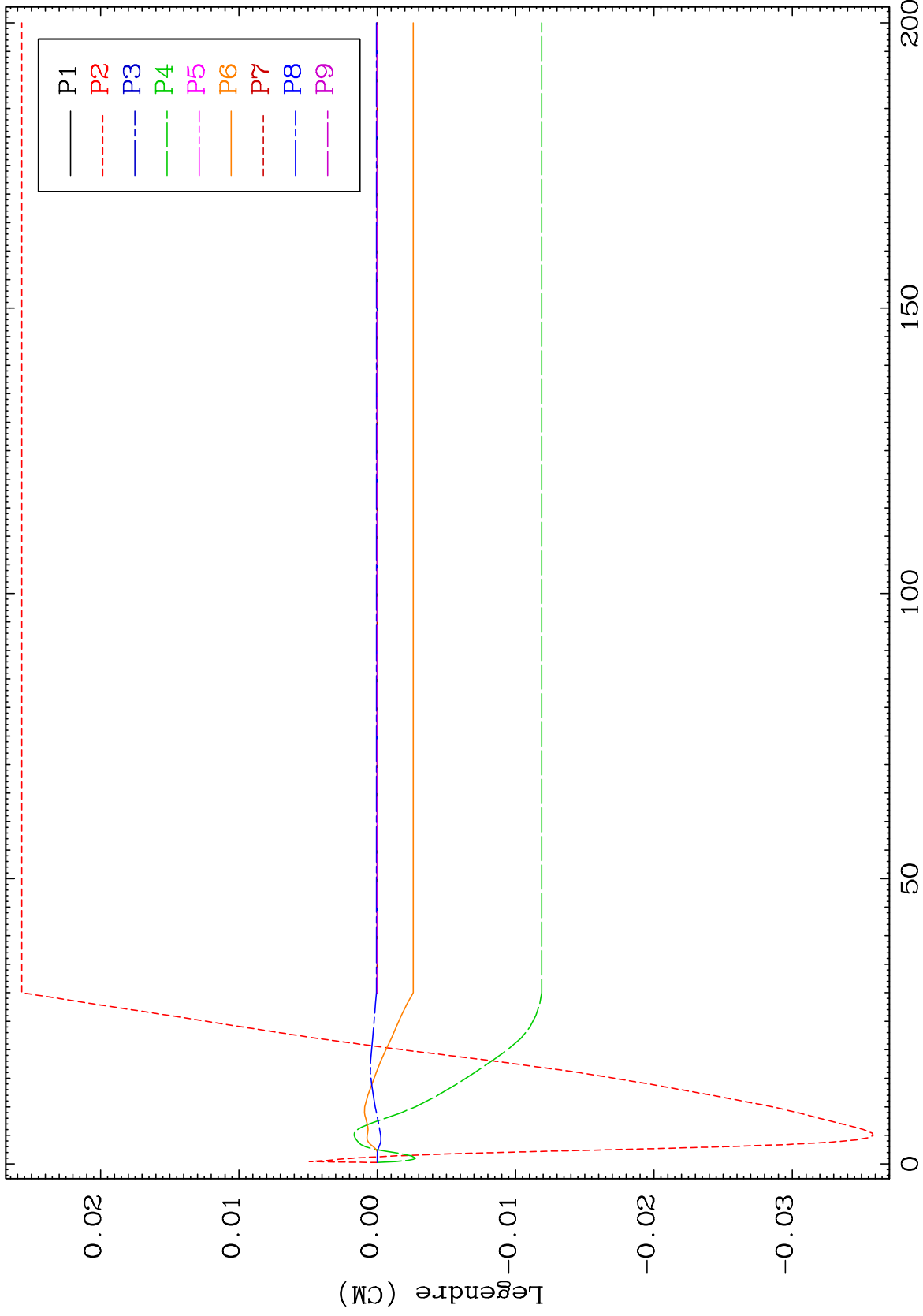
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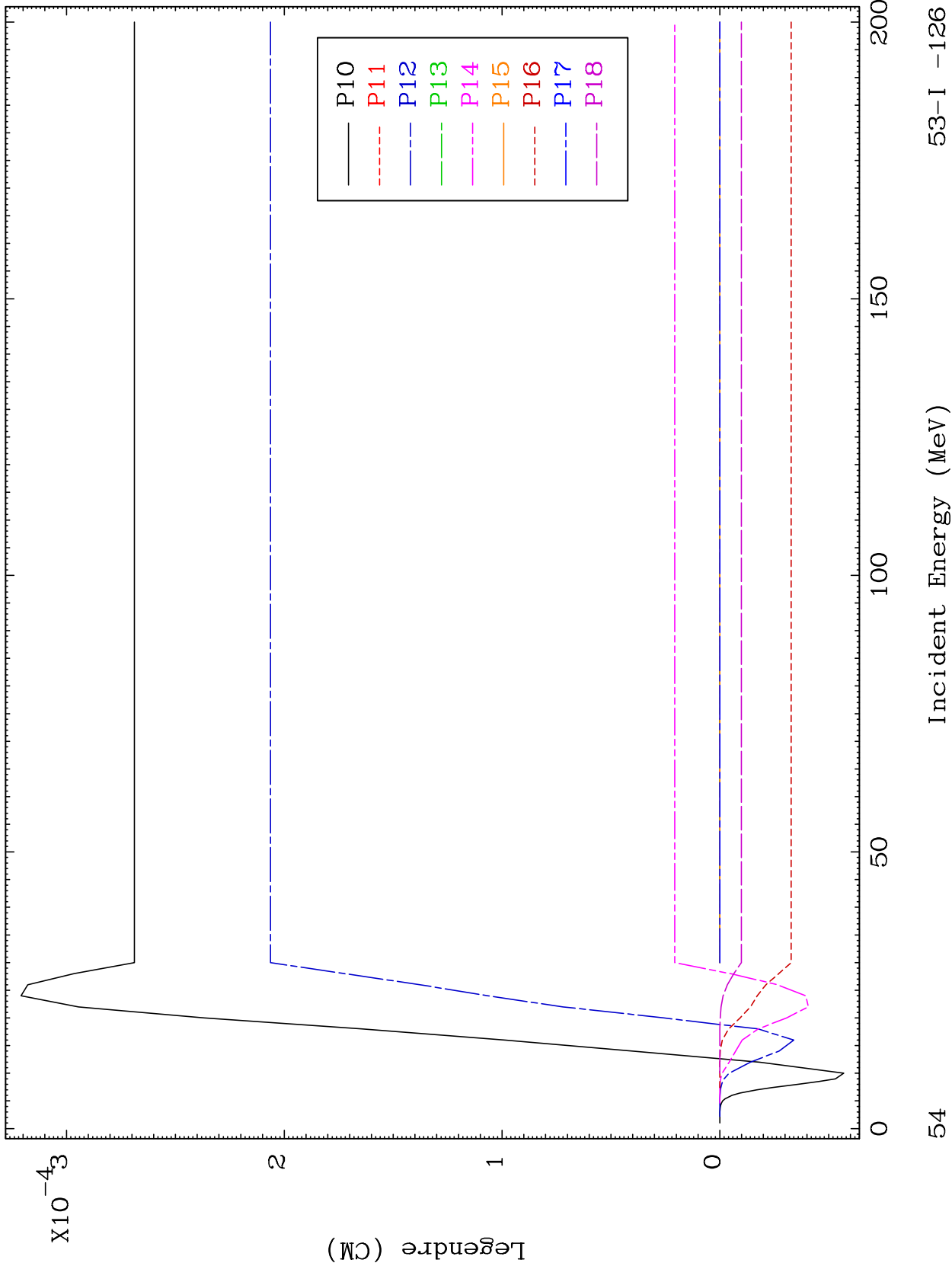
Incident Energy (MeV)

50





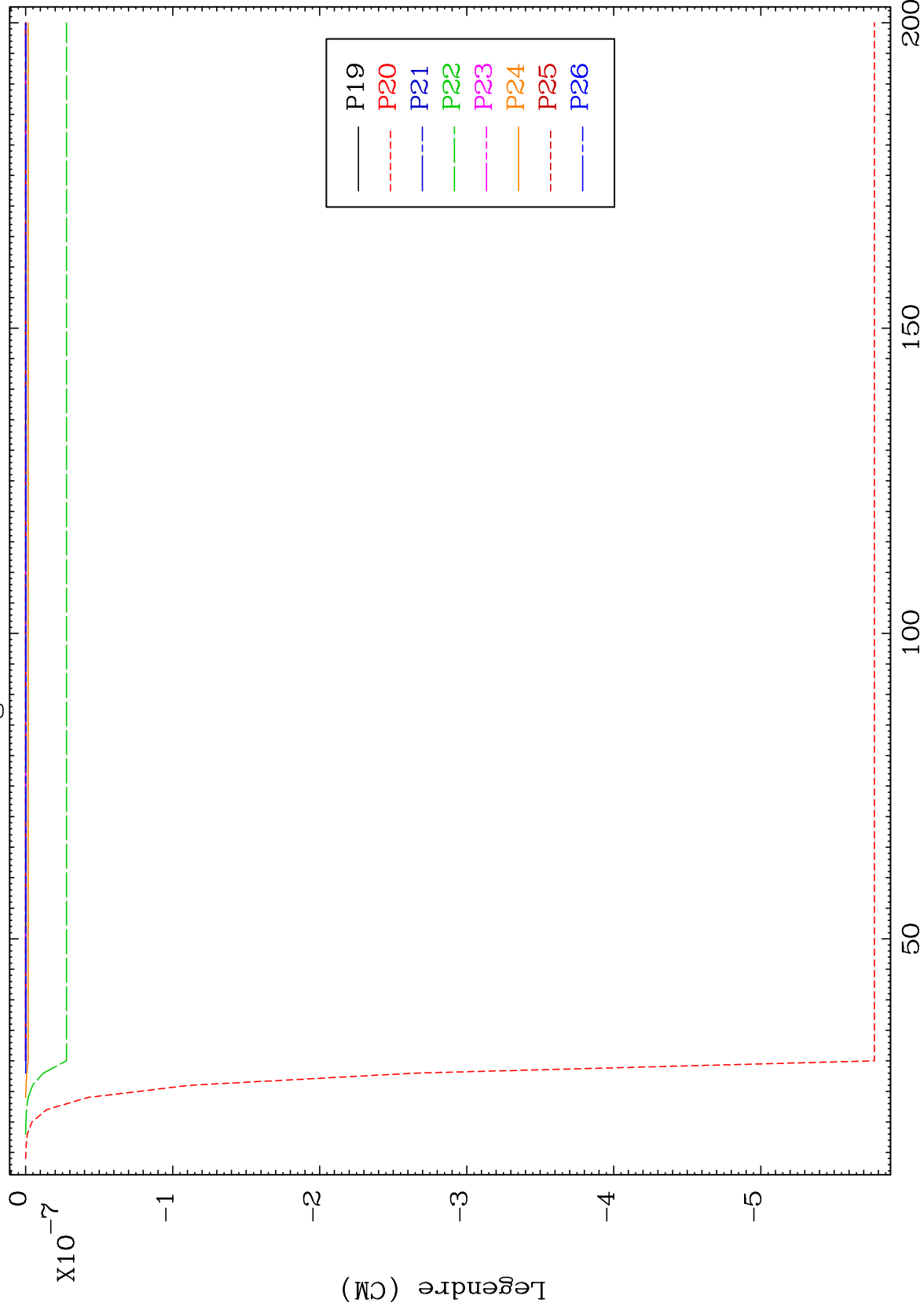




MAT 5322

MT= 60 (n,n') Level
Legendre Coefficients

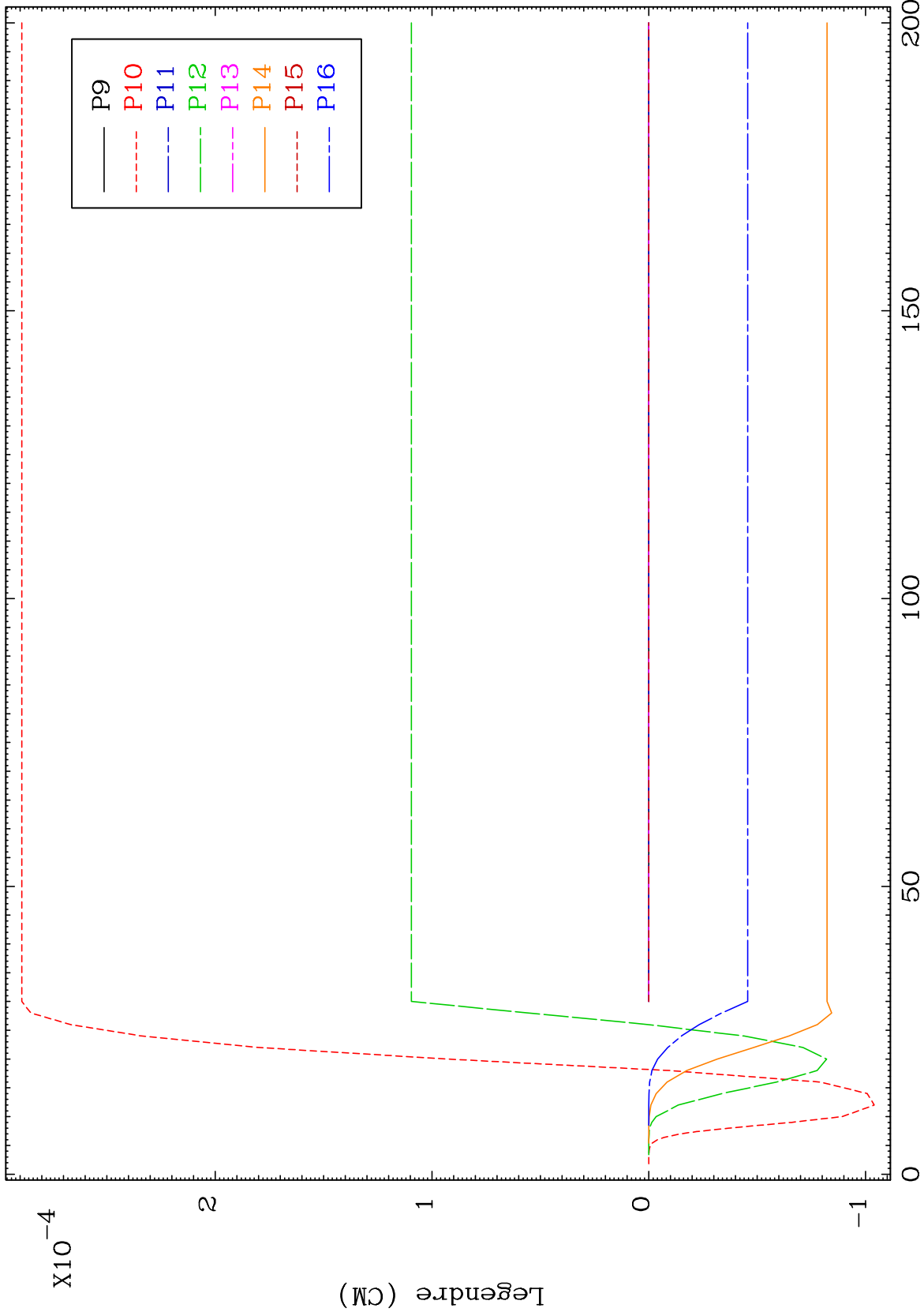
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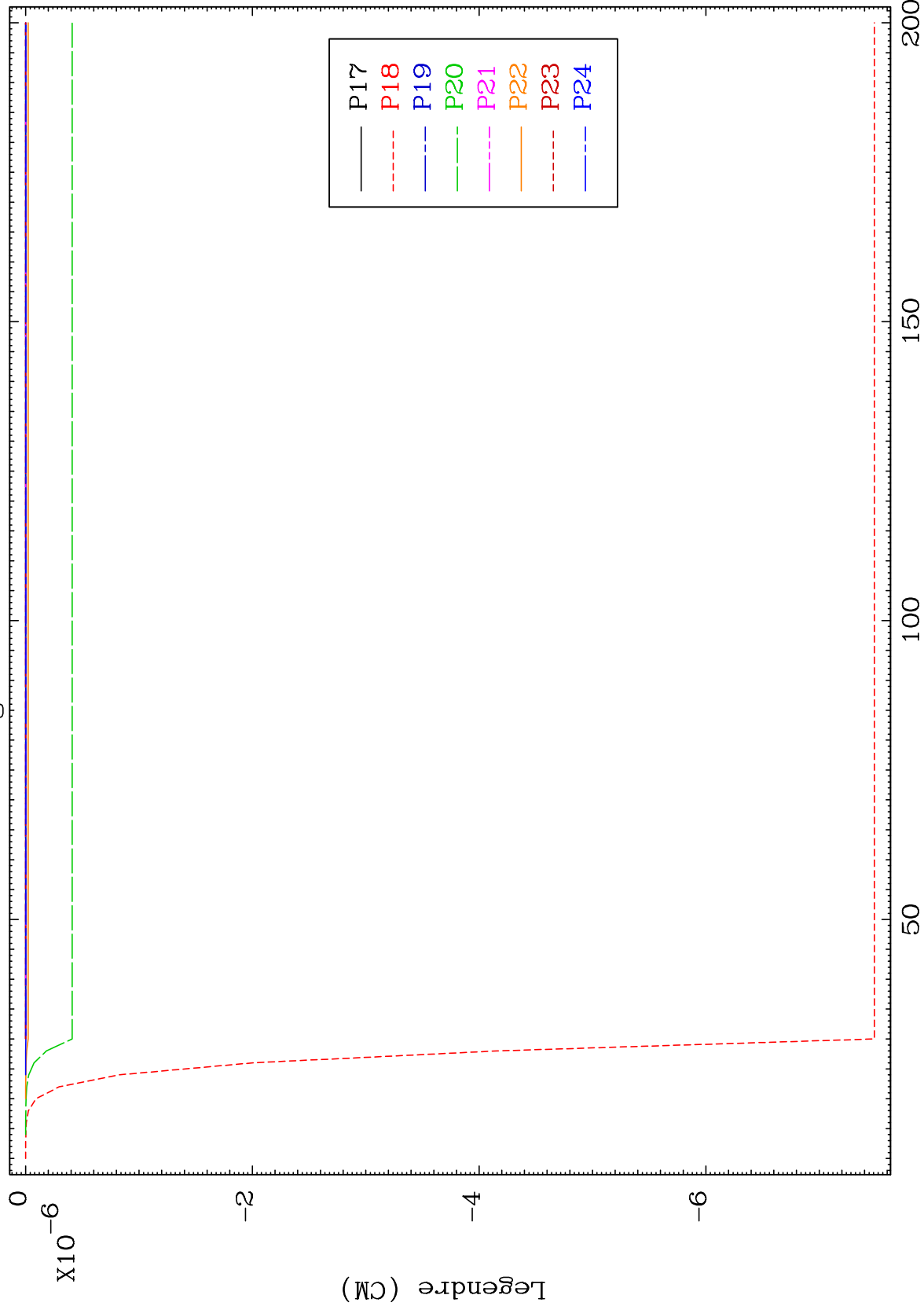


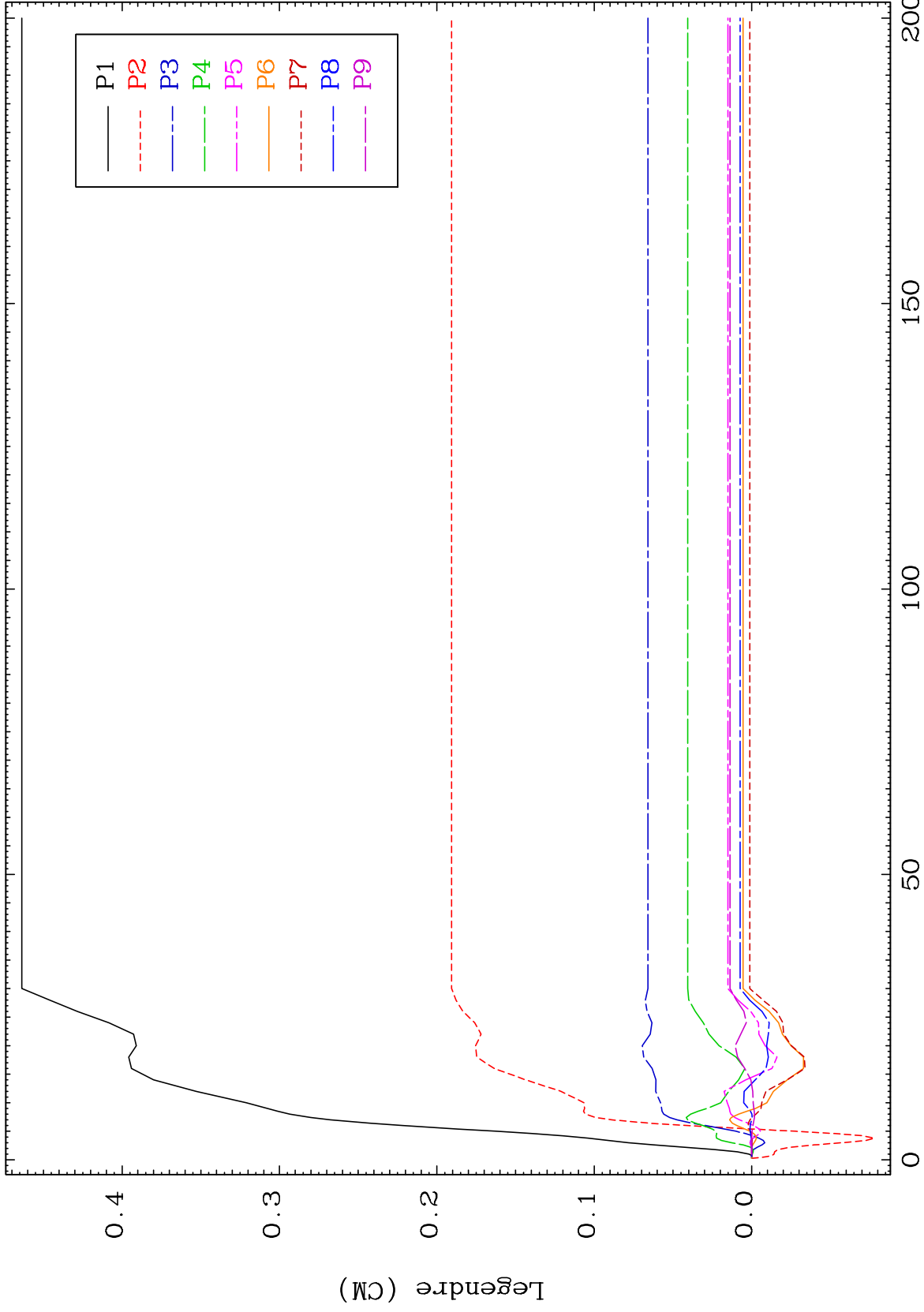
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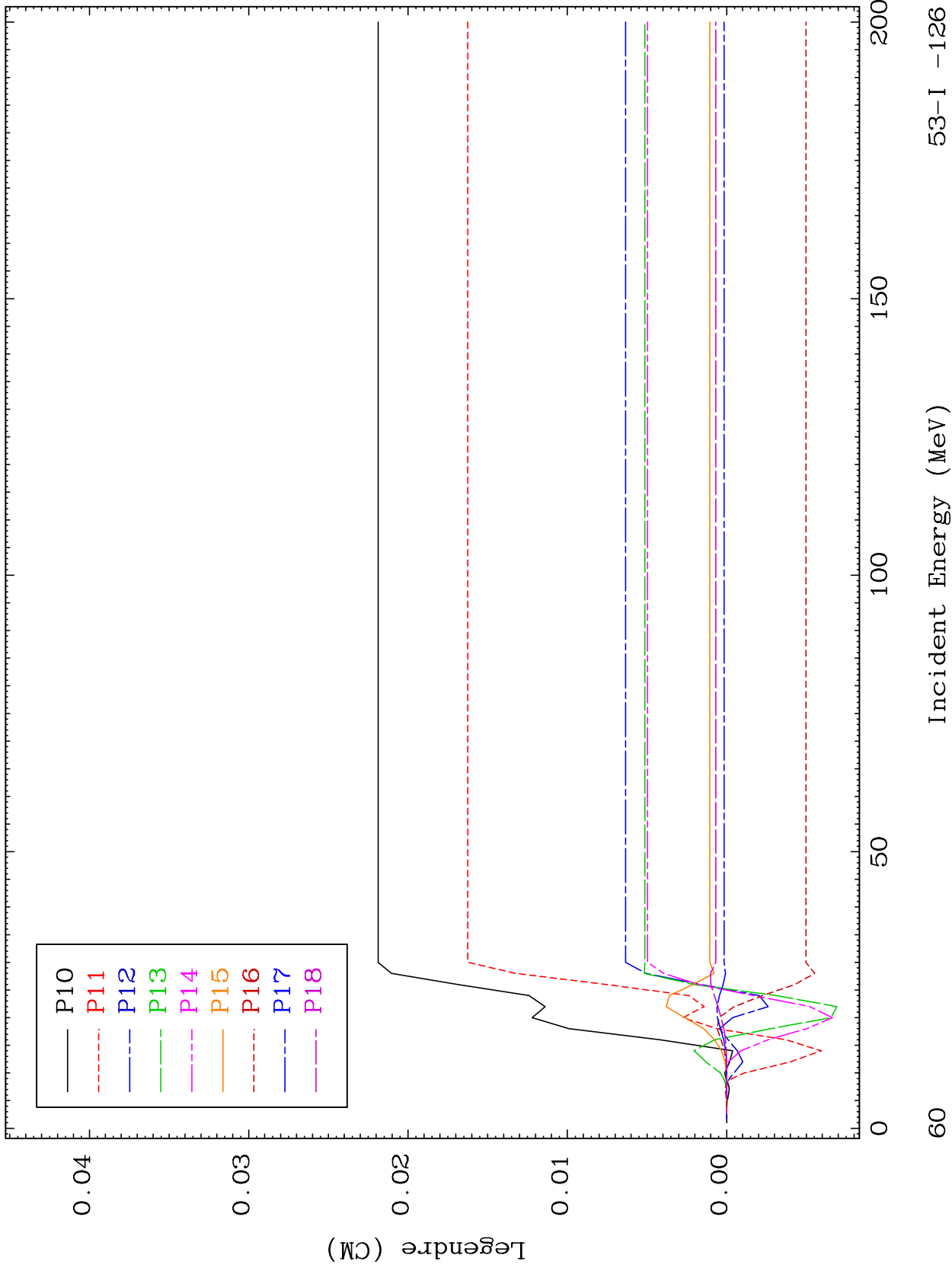
Incident Energy (MeV)

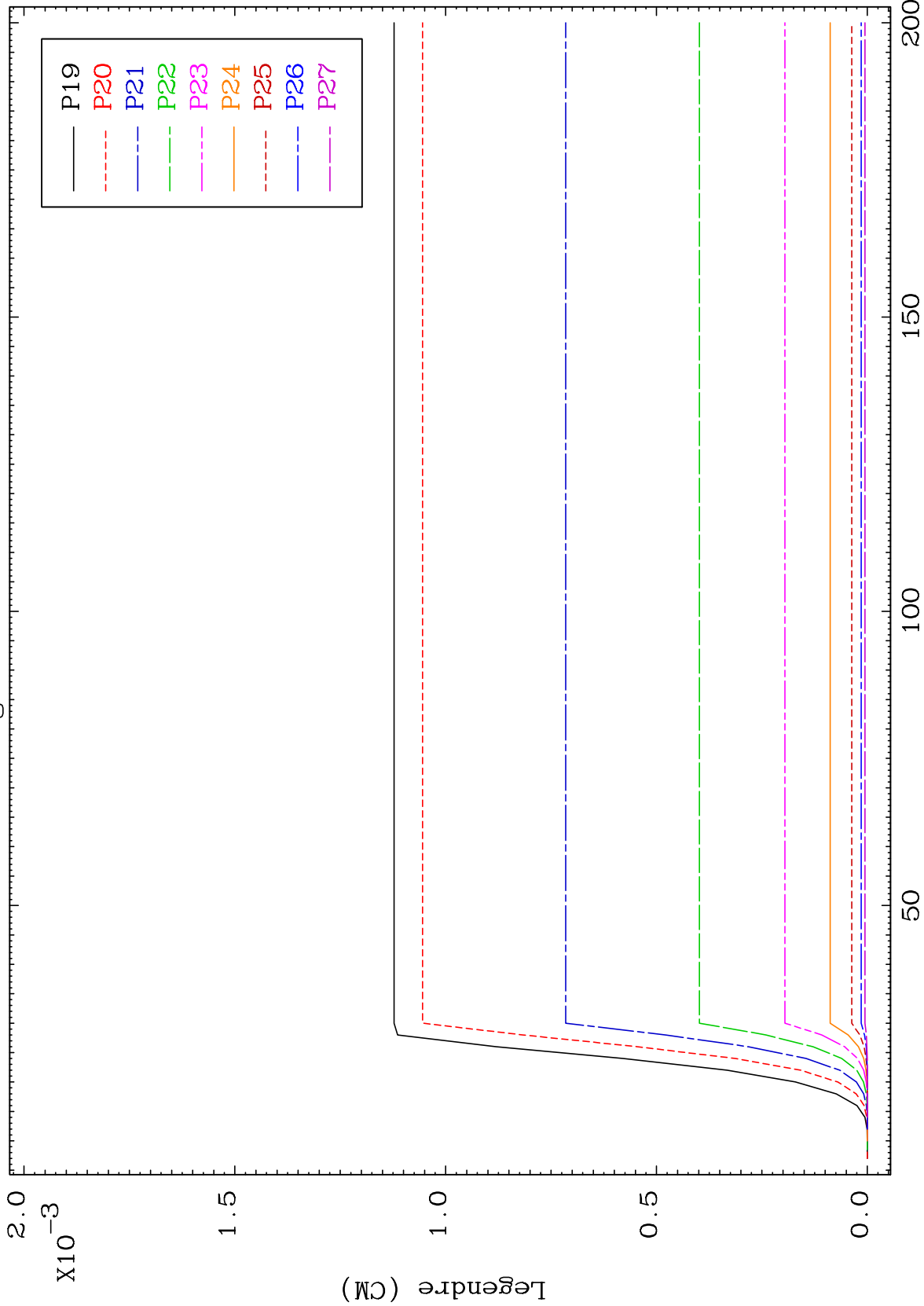
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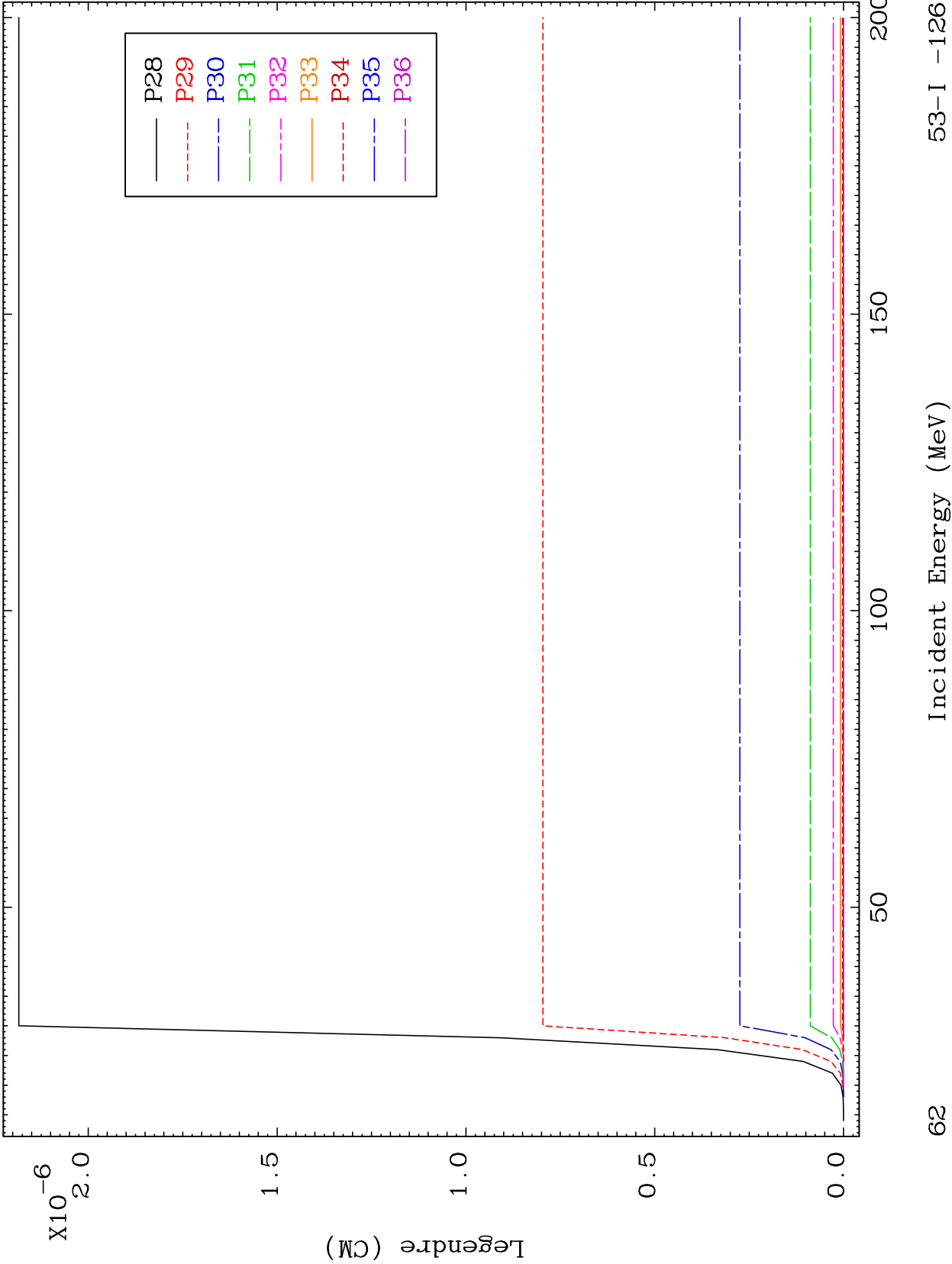








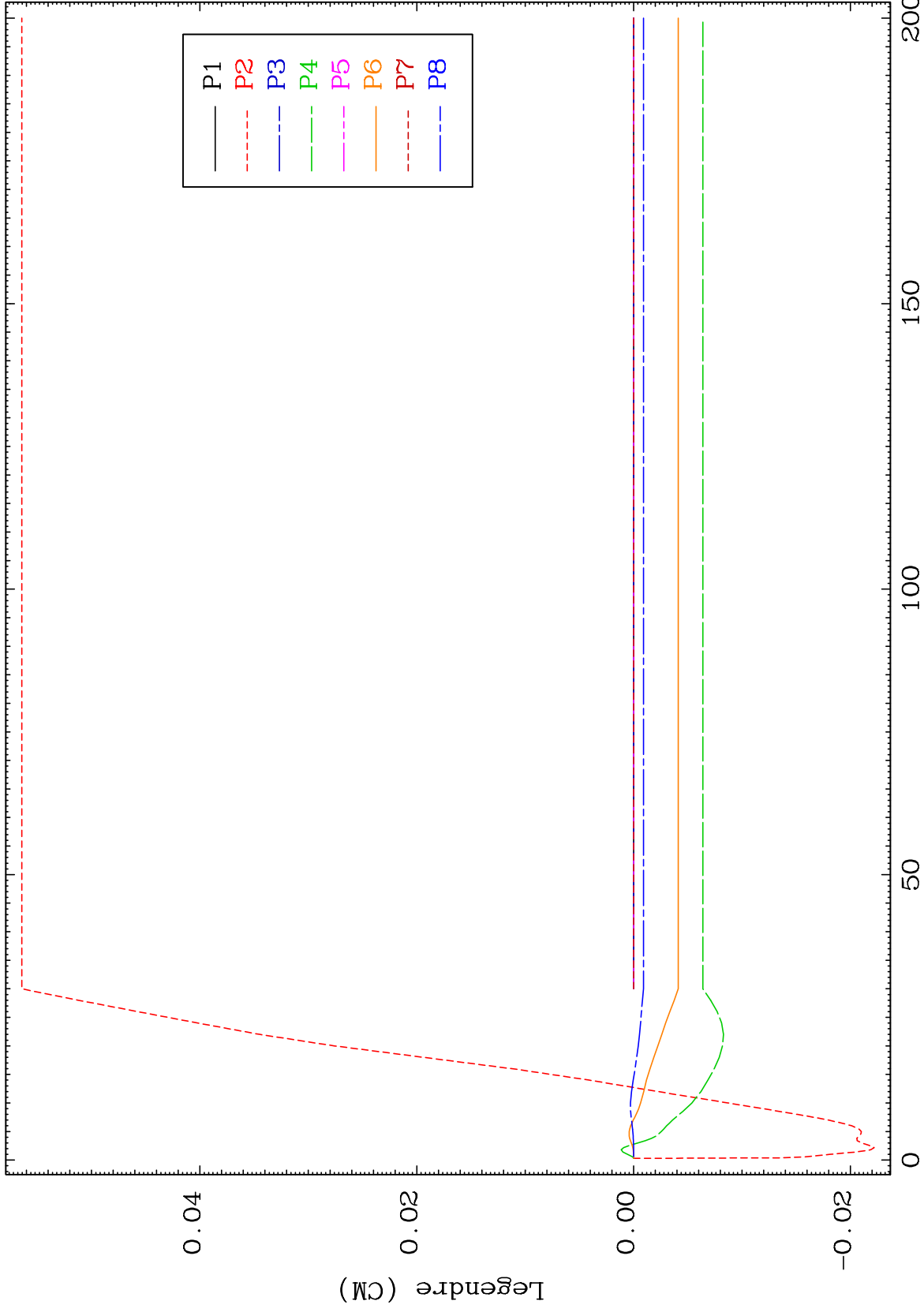




MAT 5322

MT= 63 (n,n') Level
Legendre Coefficients

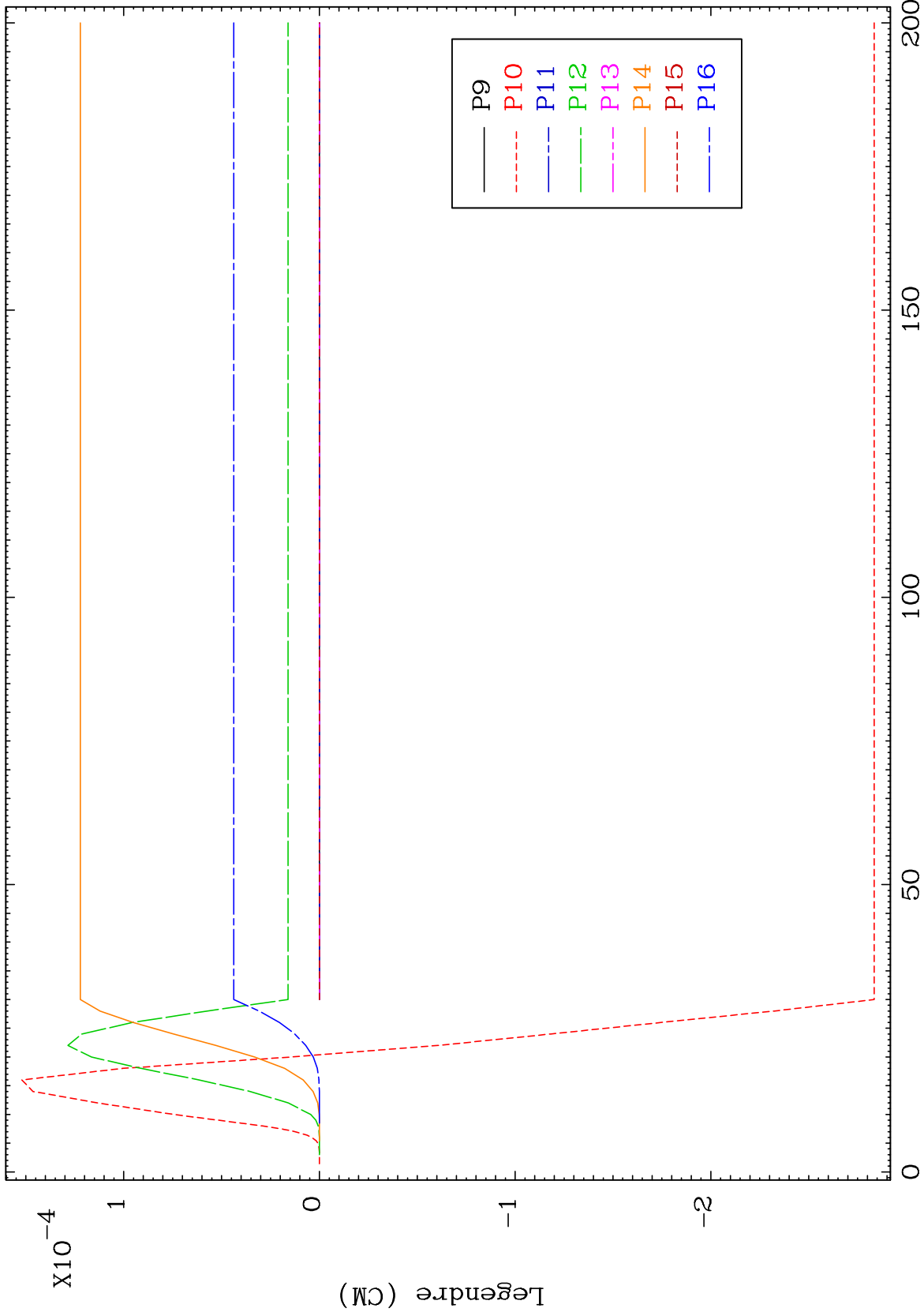
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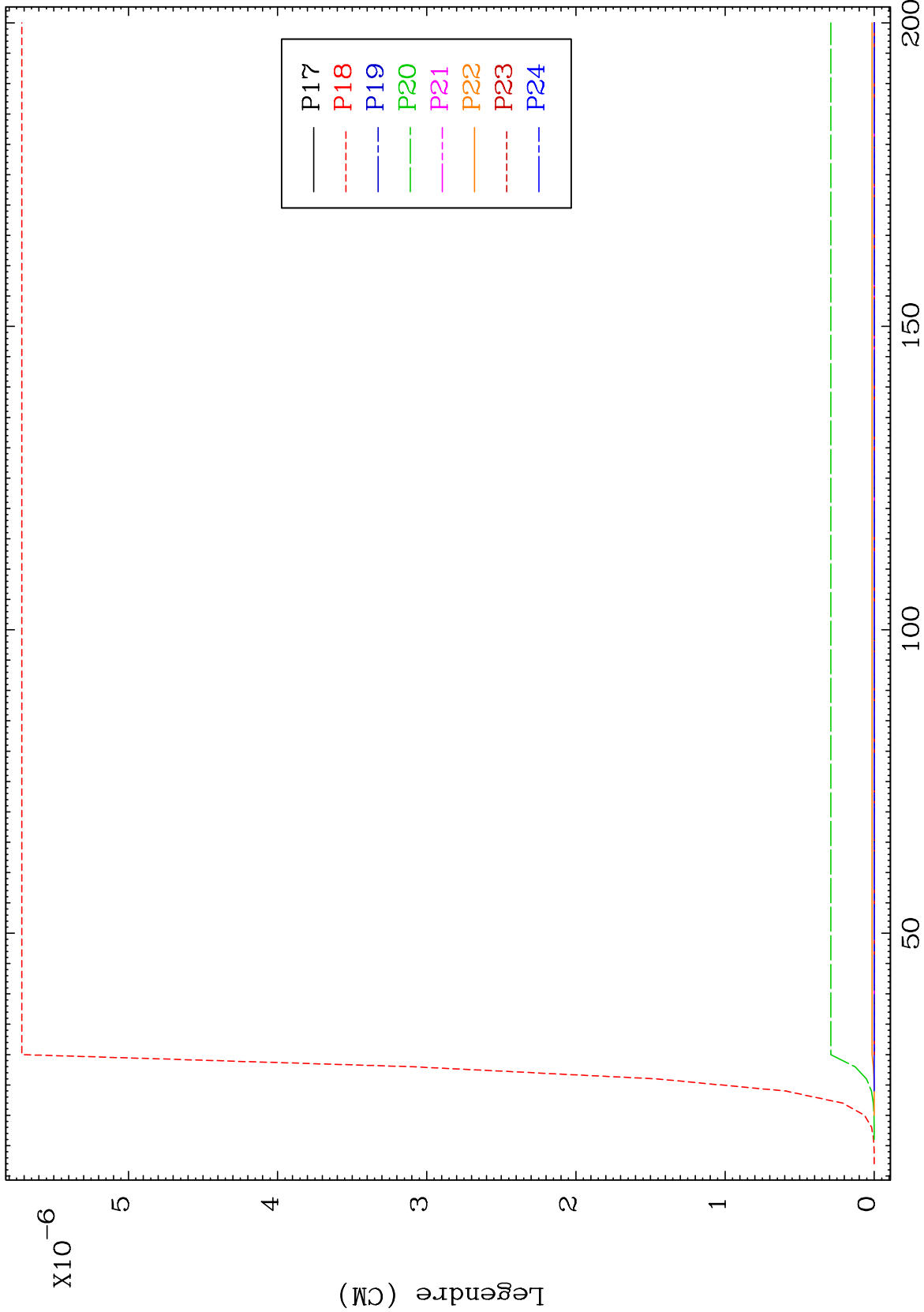


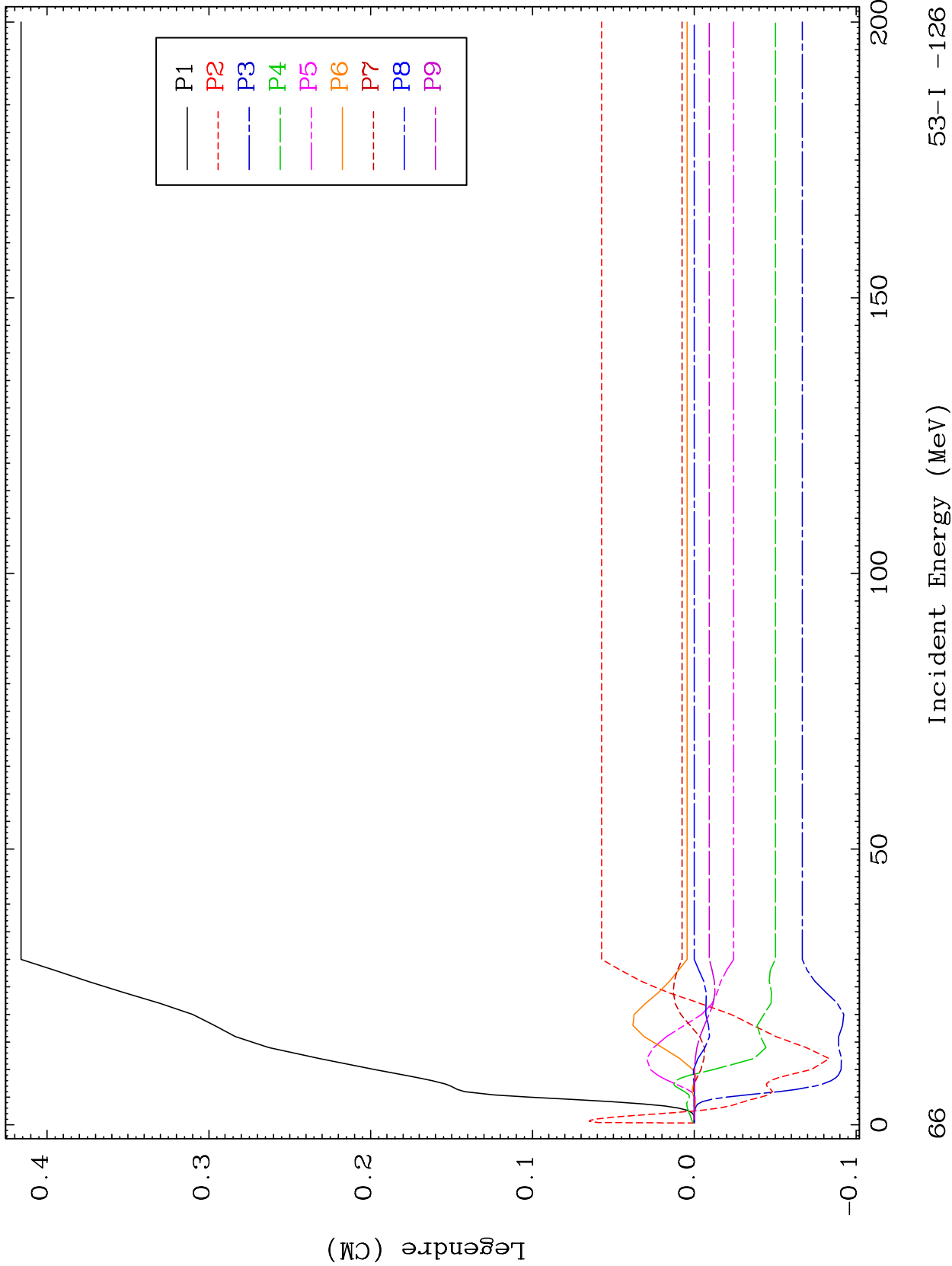
63

Incident Energy (MeV)

53-I -126



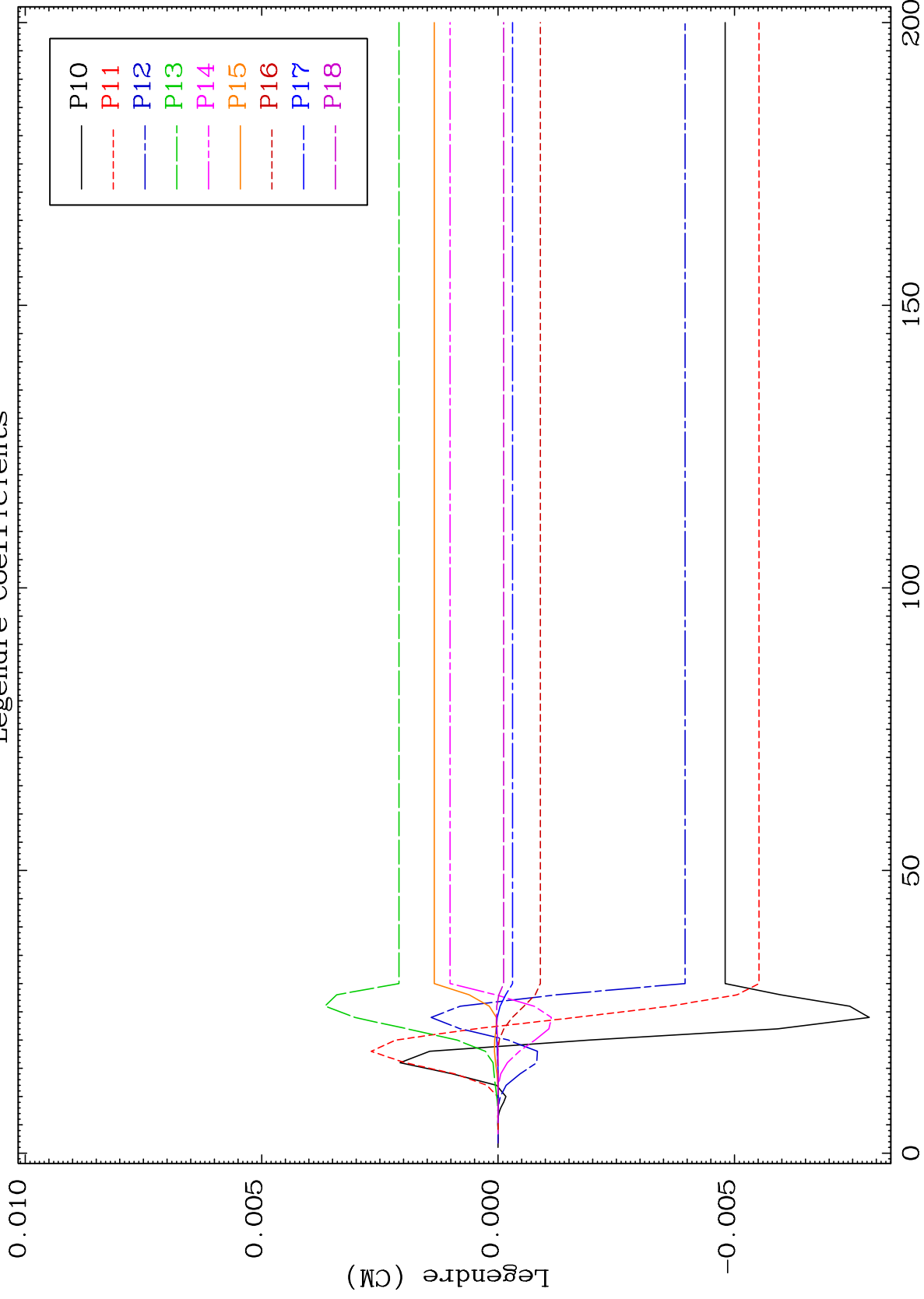




MAT 5322

MT= 64 (n,n') Level
Legendre Coefficients

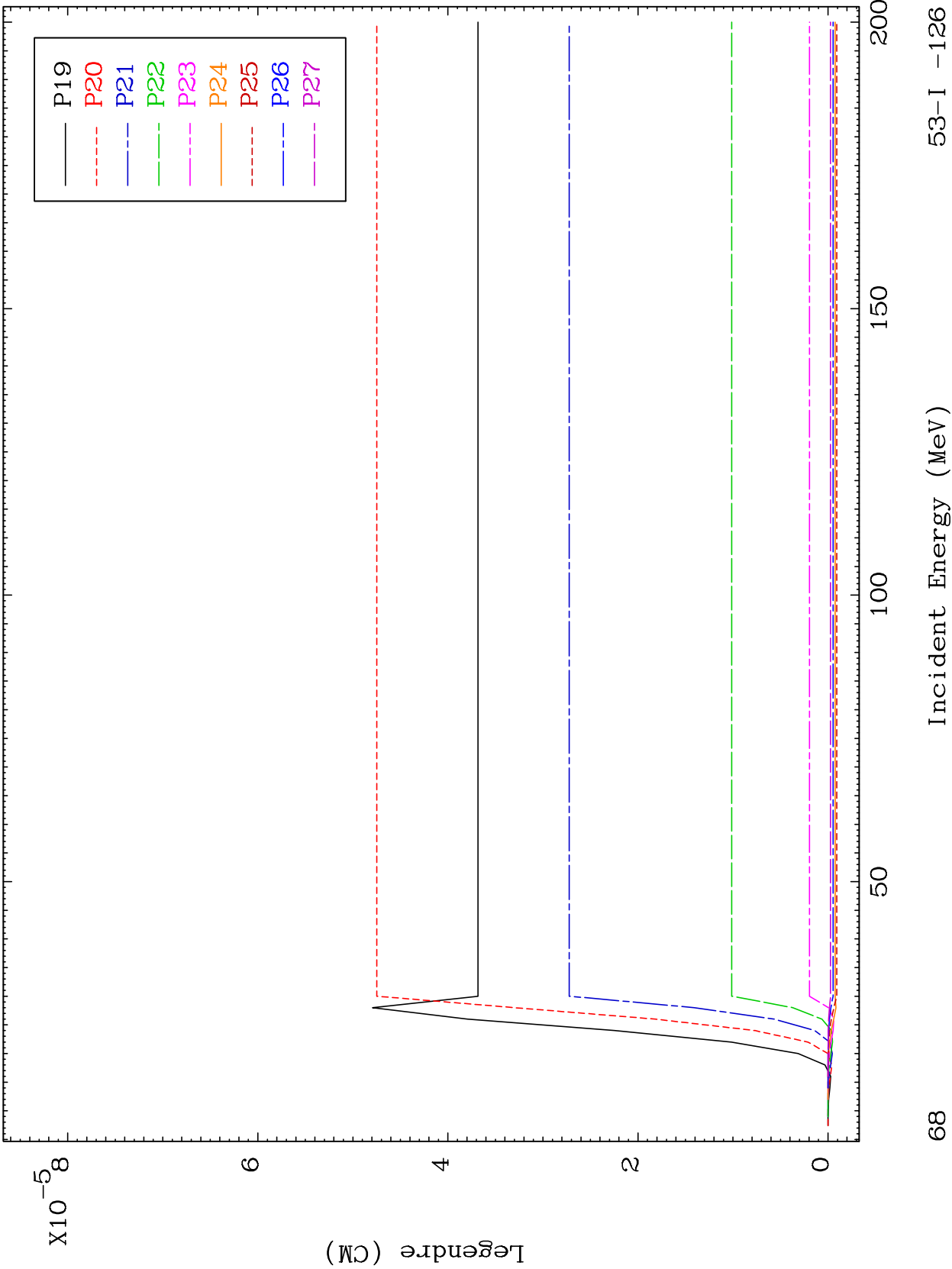
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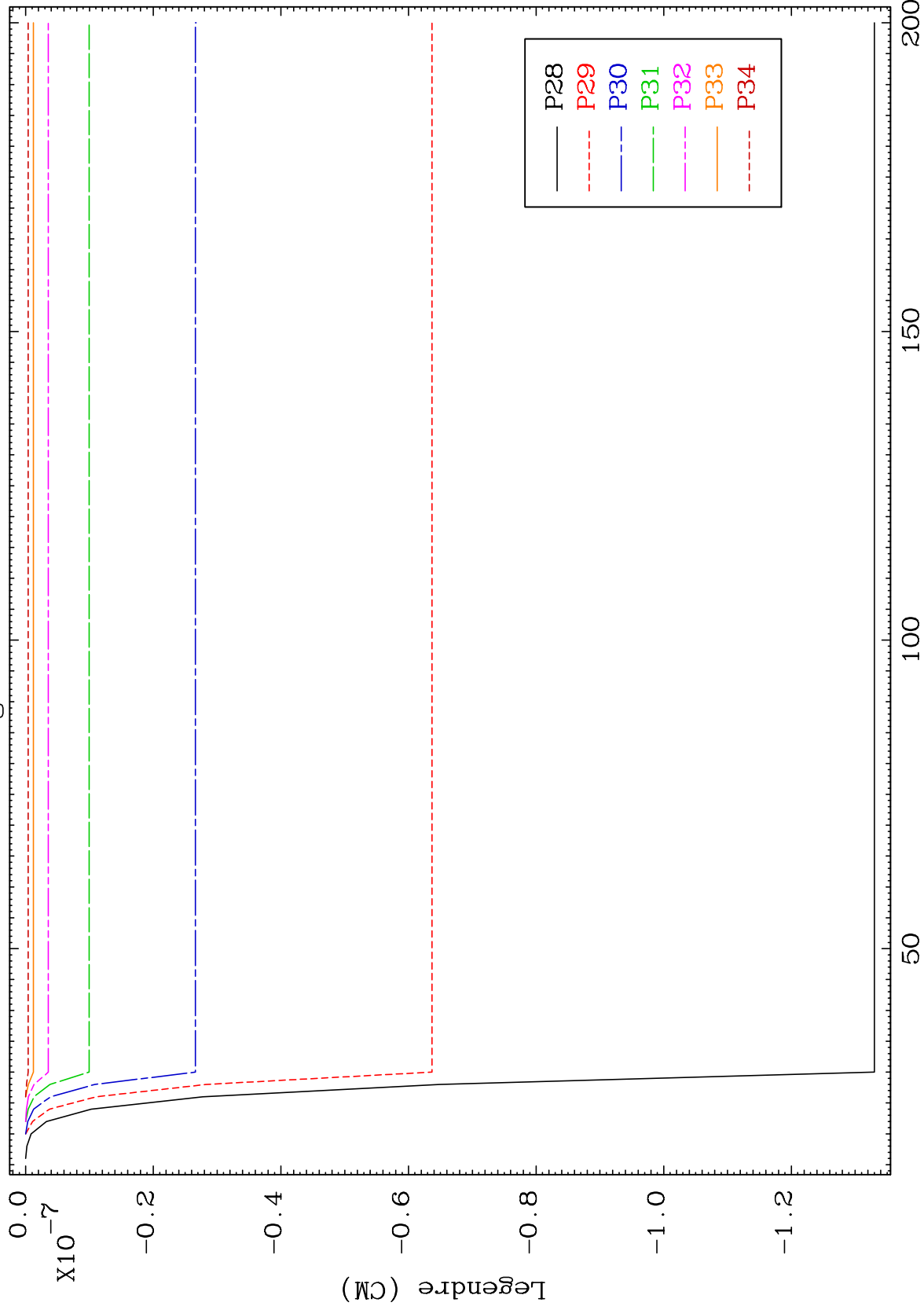
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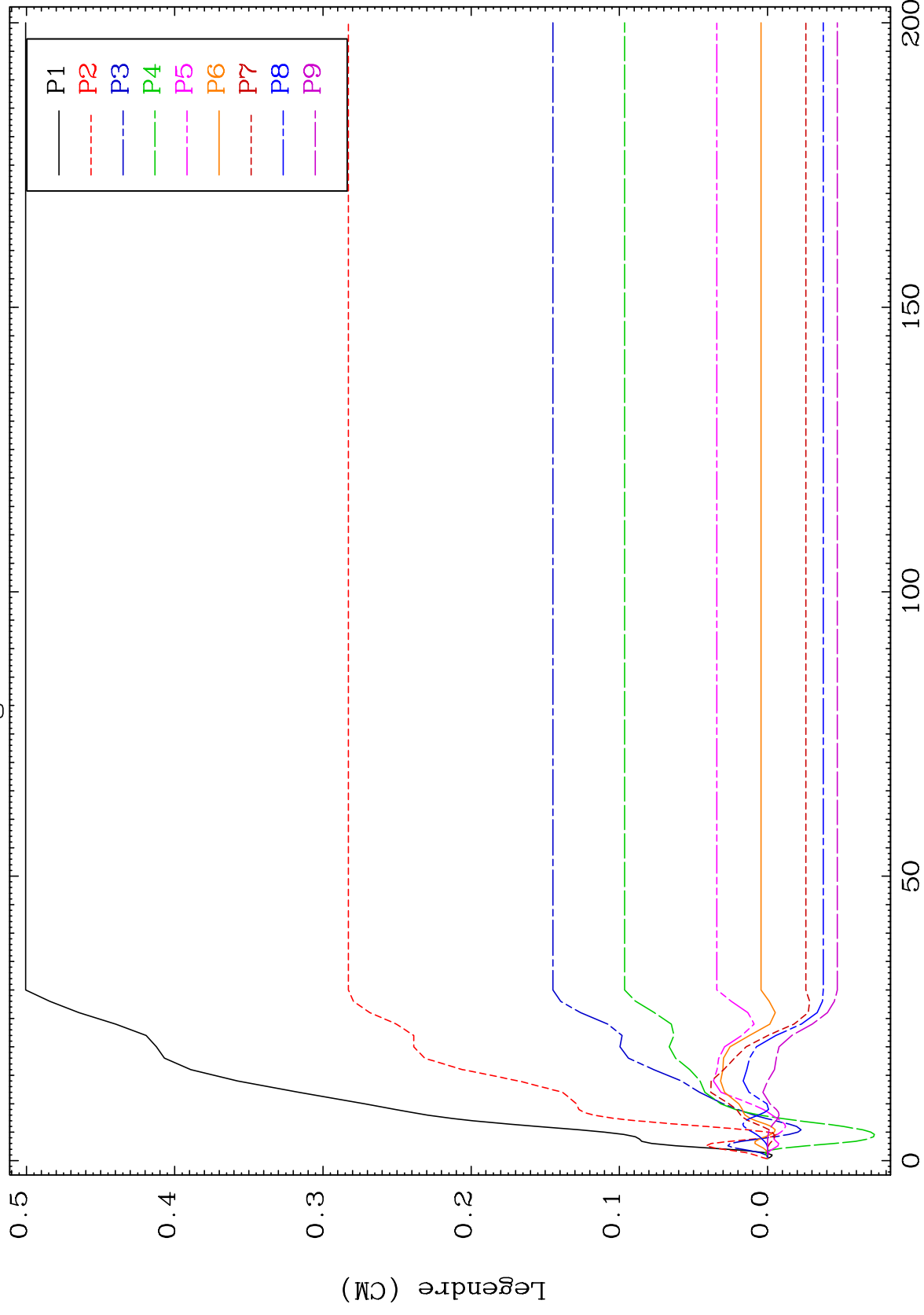
Incident Energy (MeV)

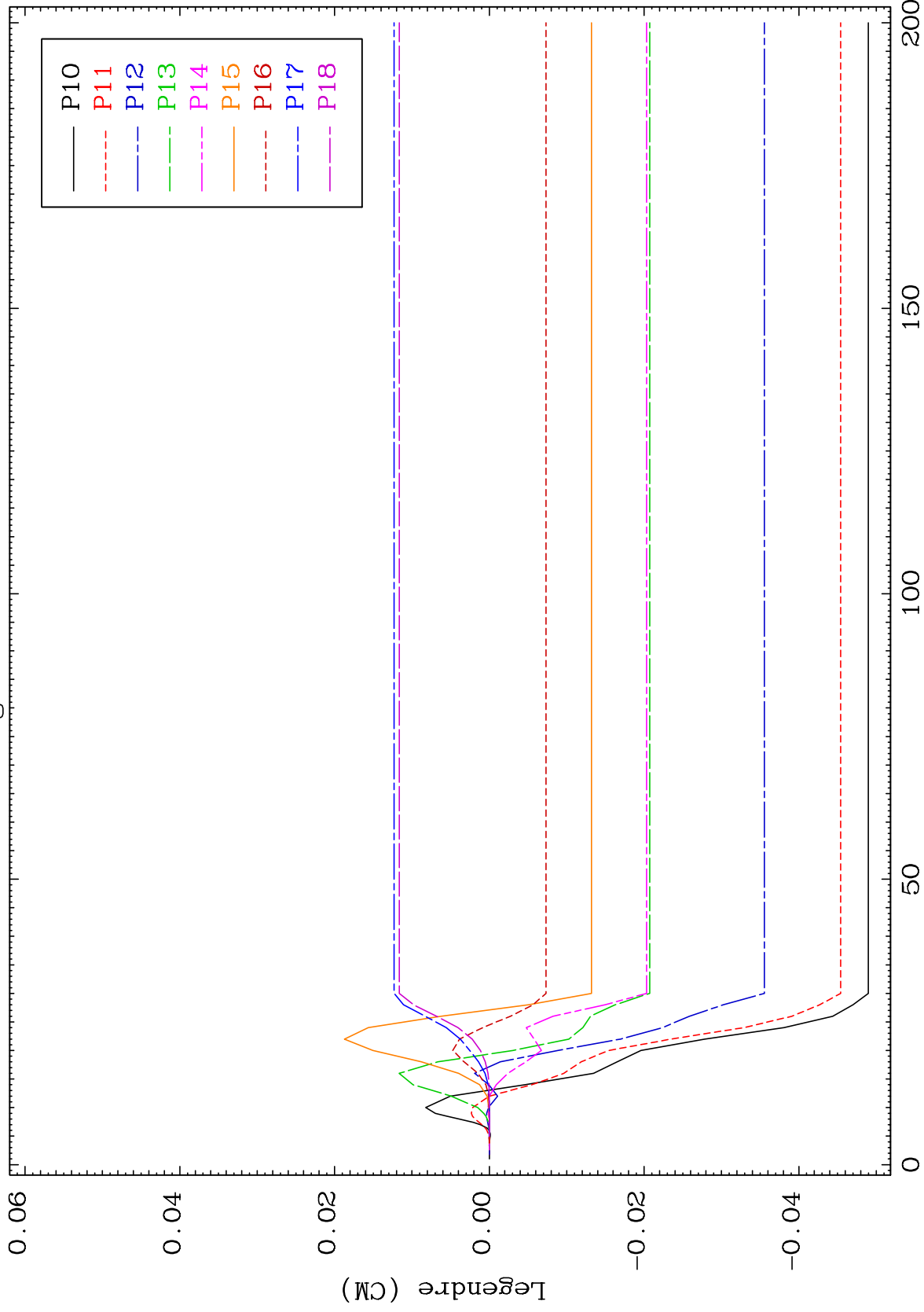
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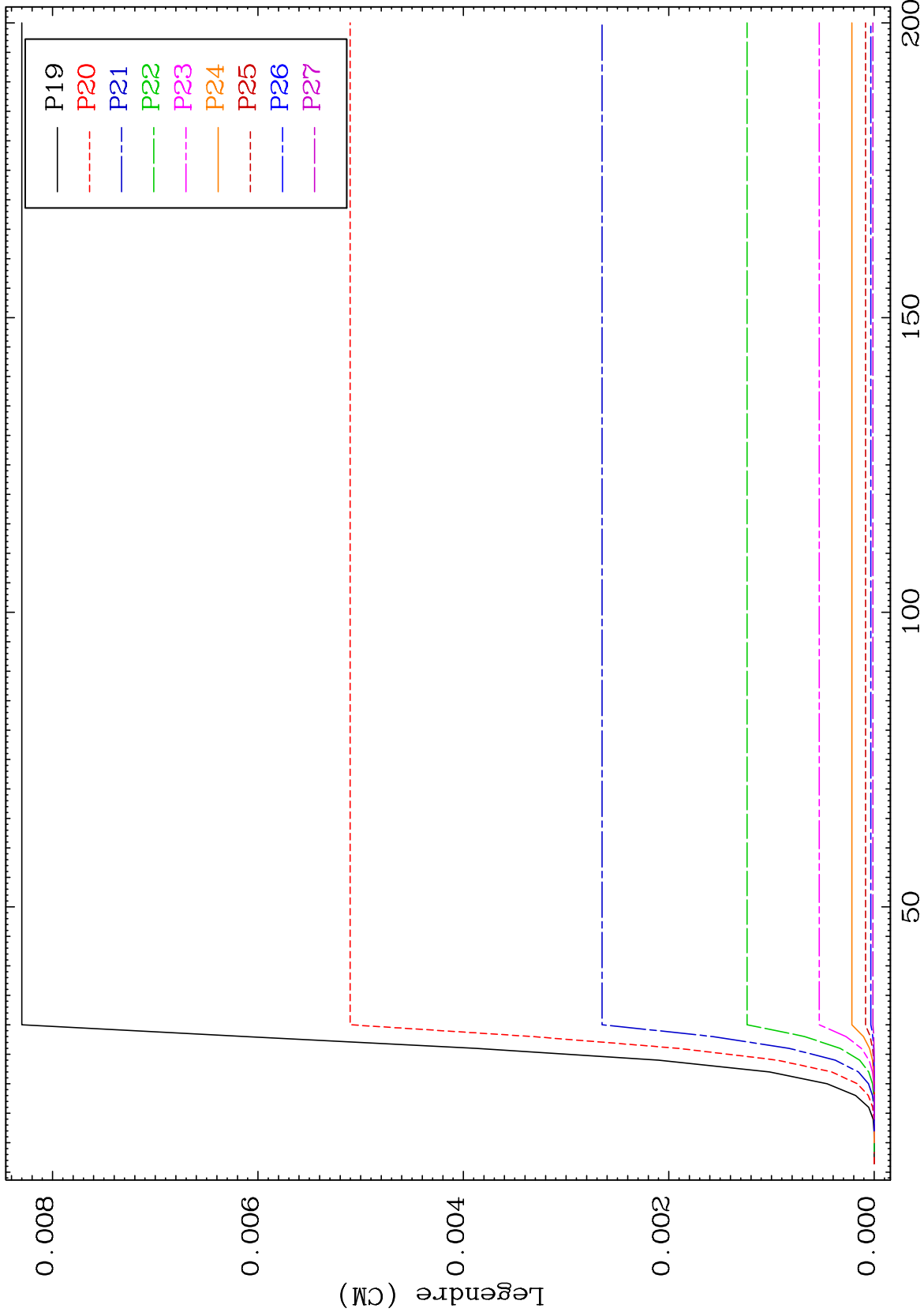


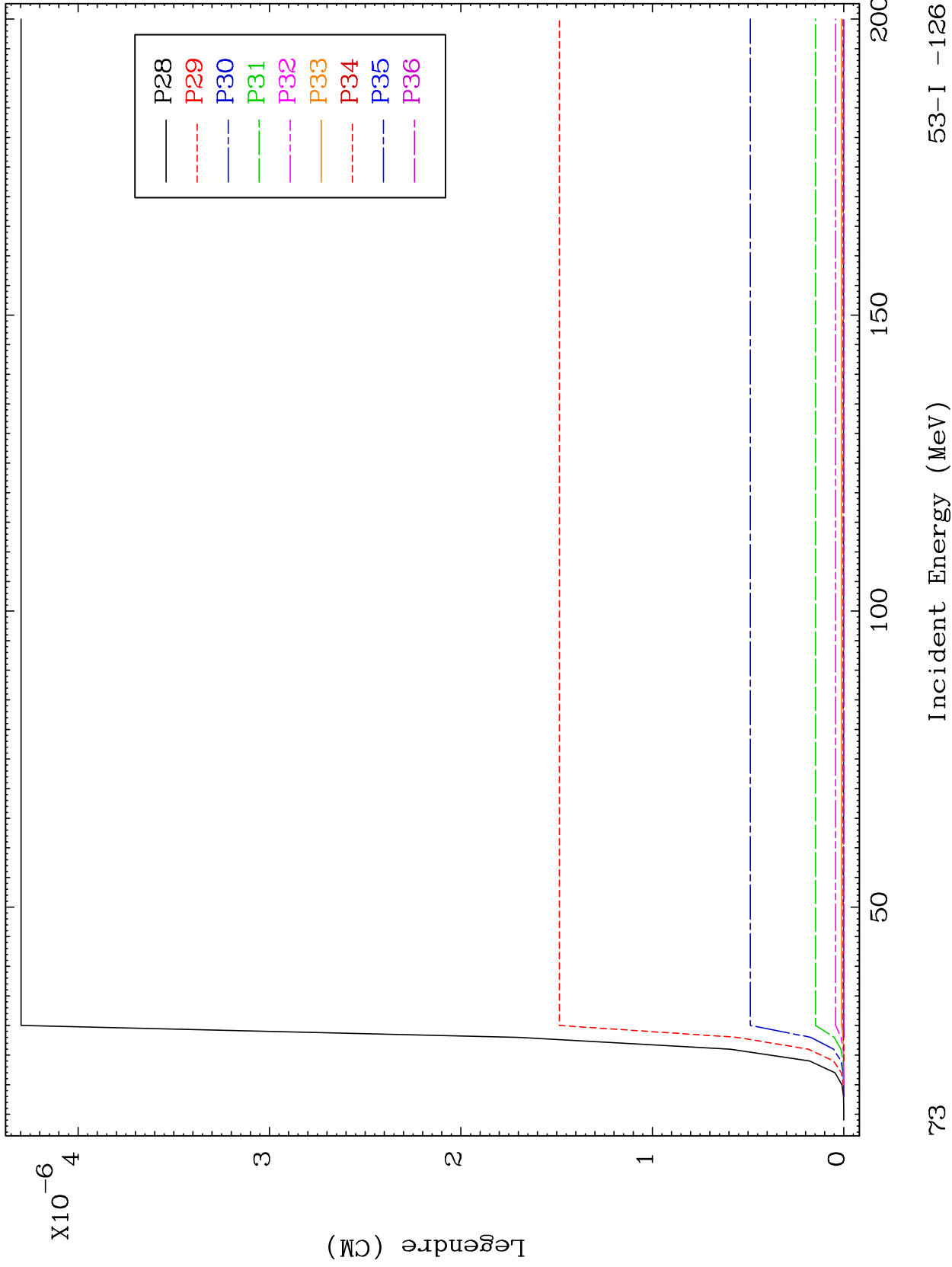
Legendre Coefficients

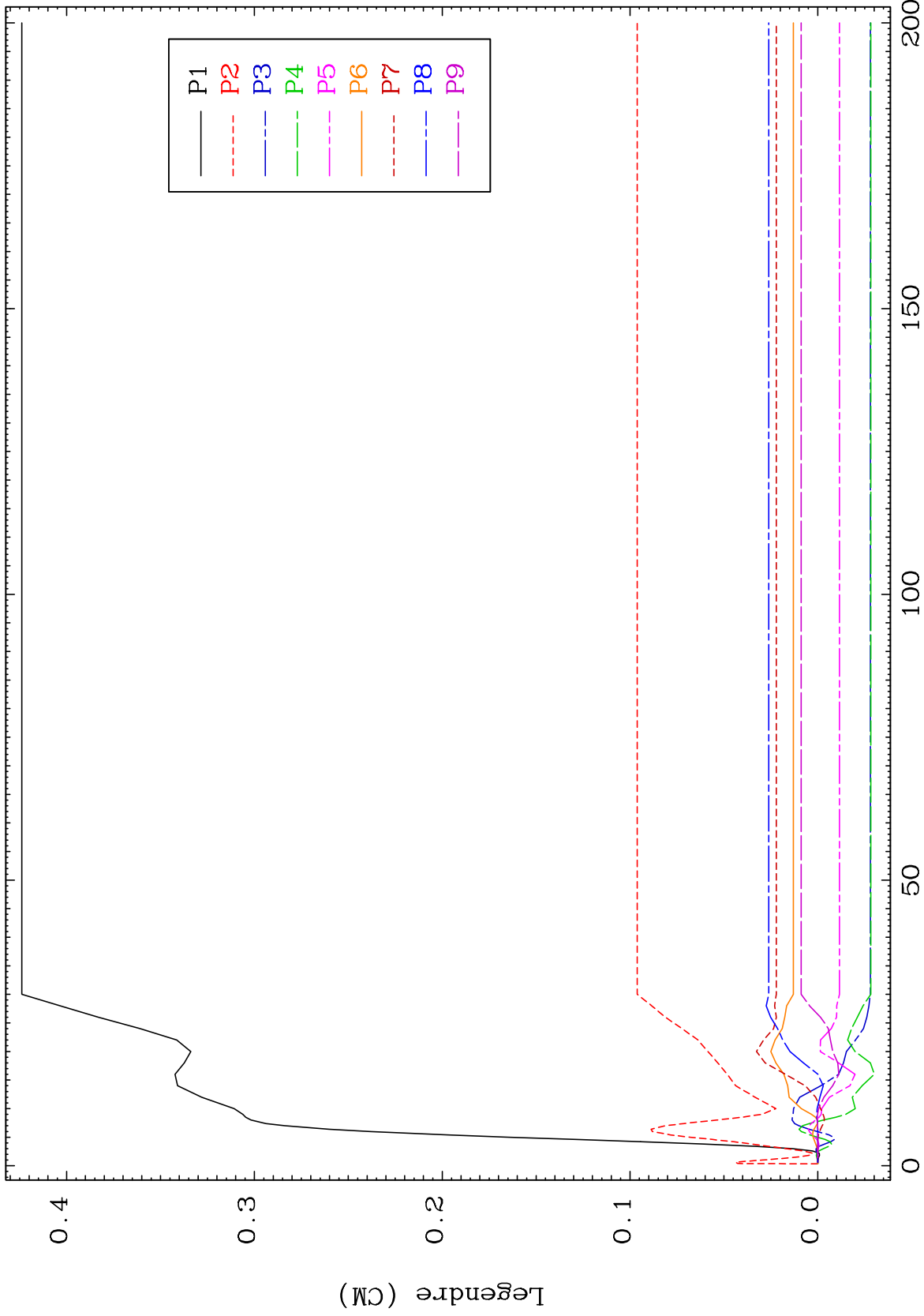


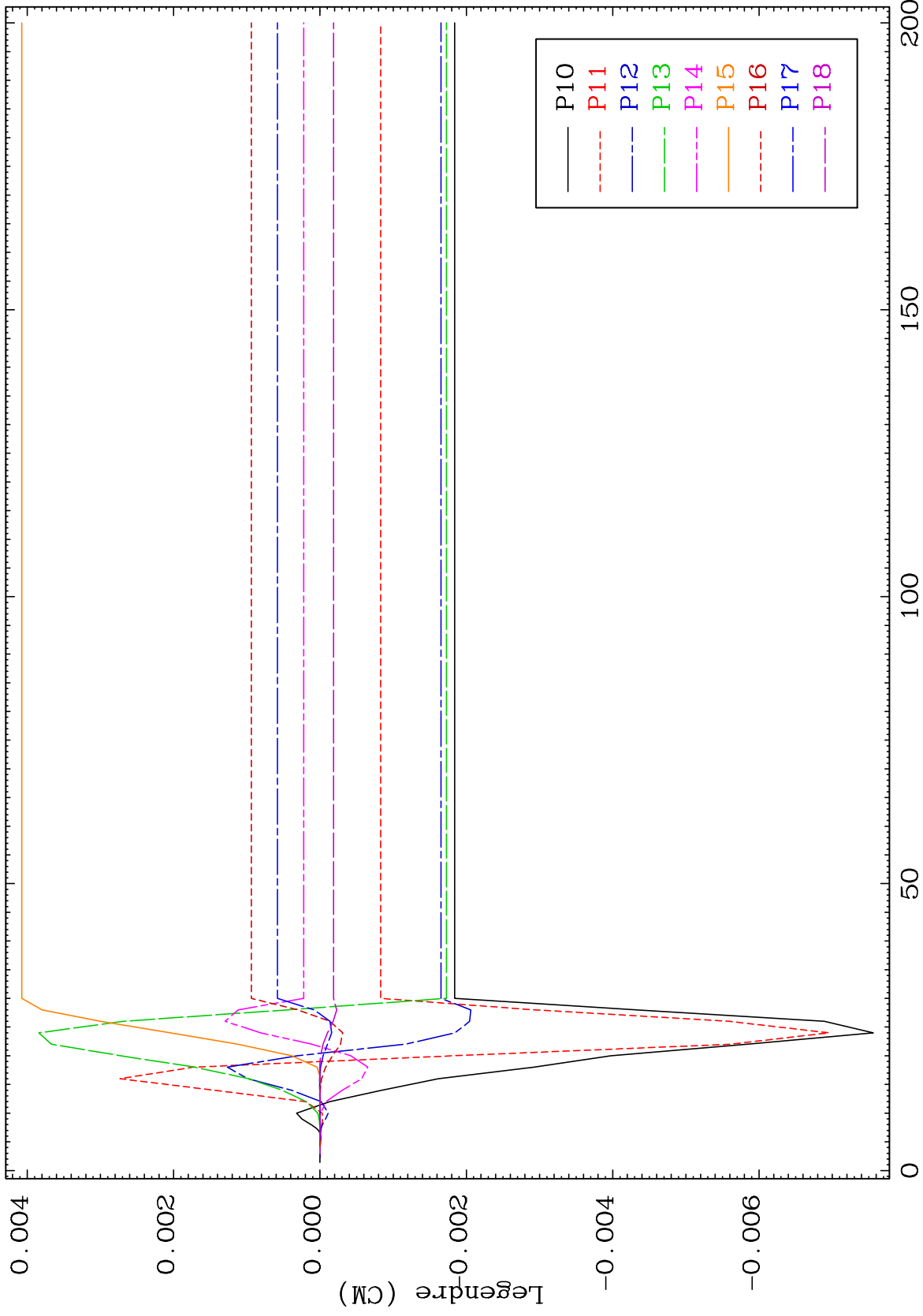


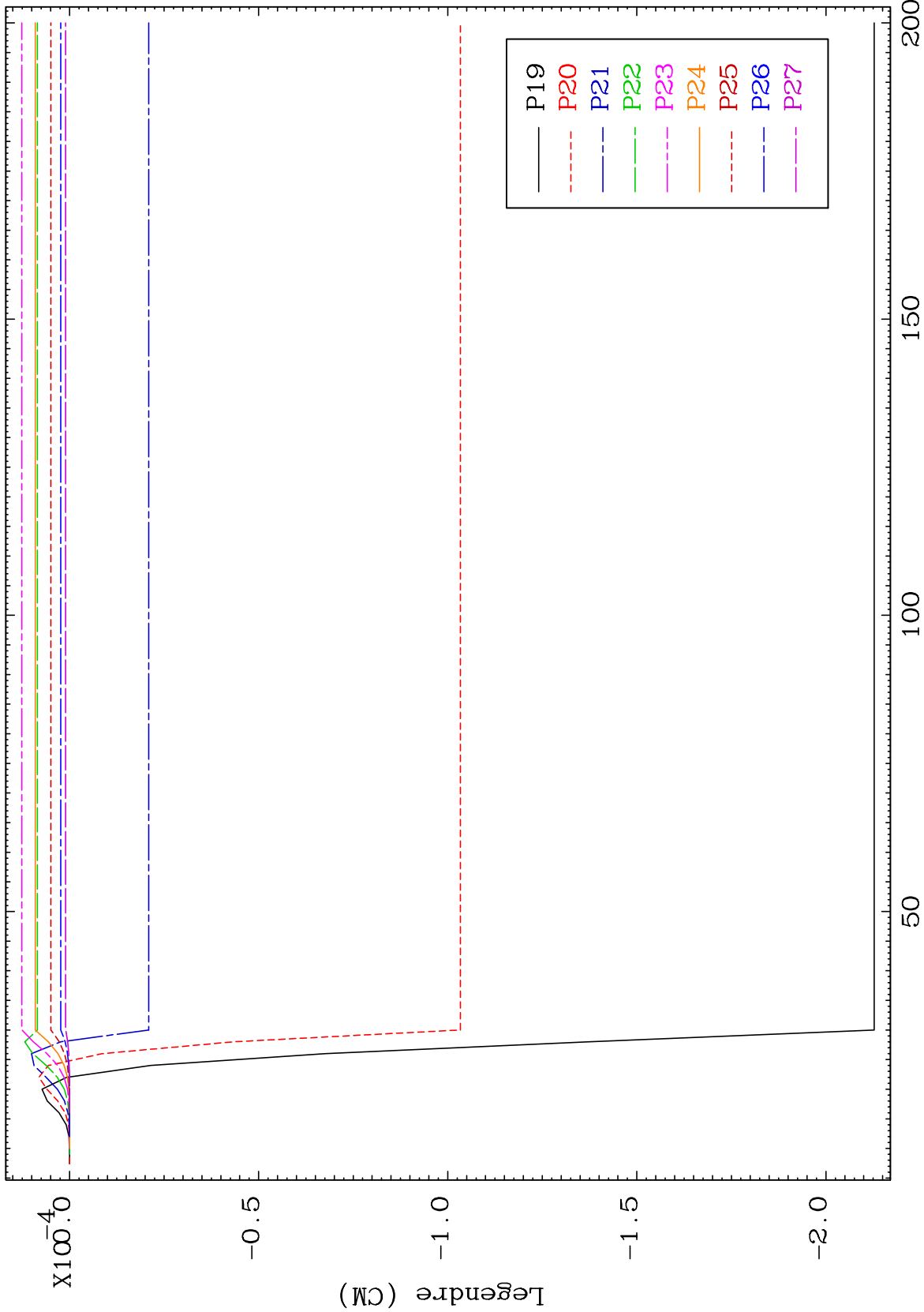


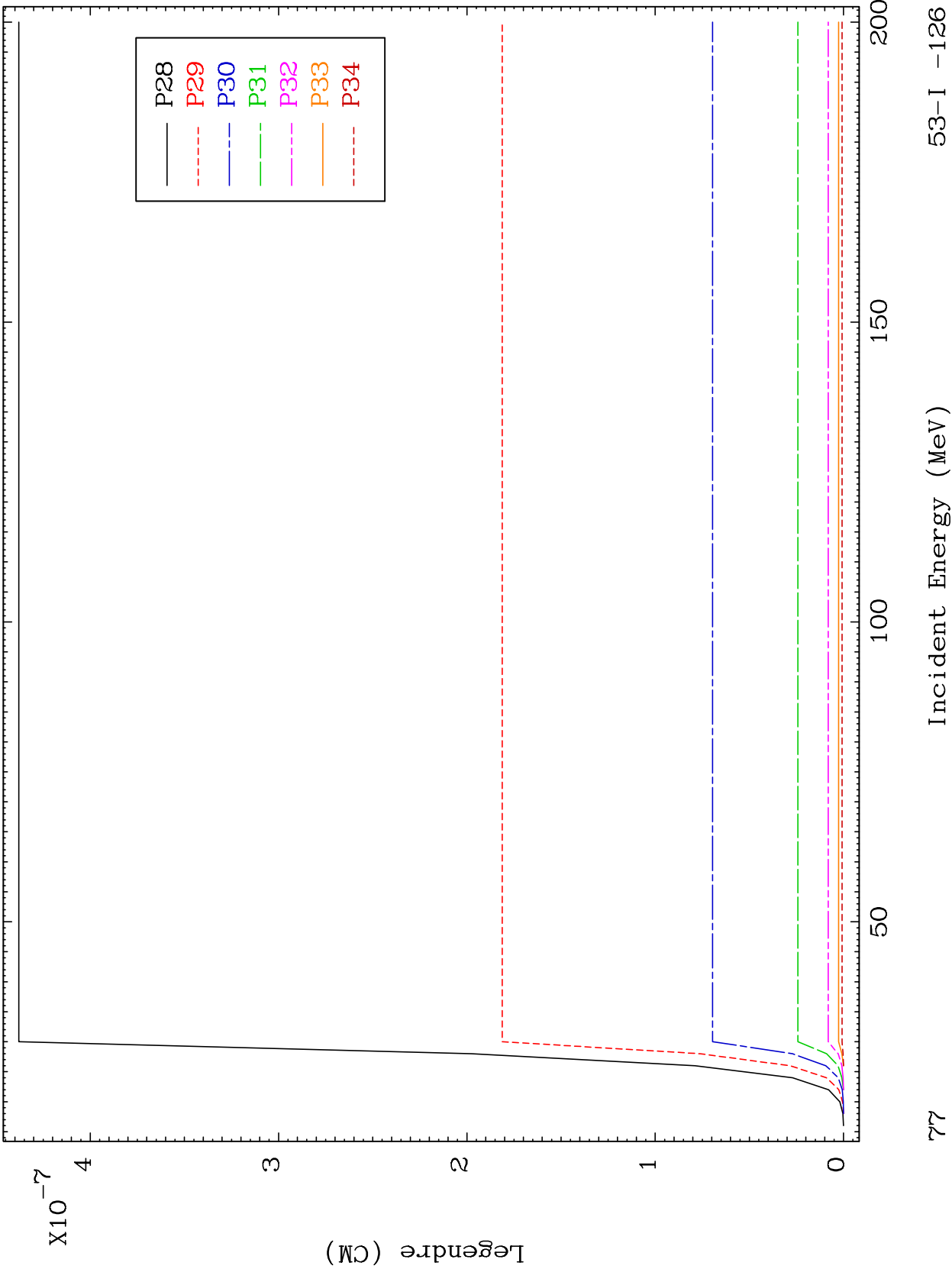


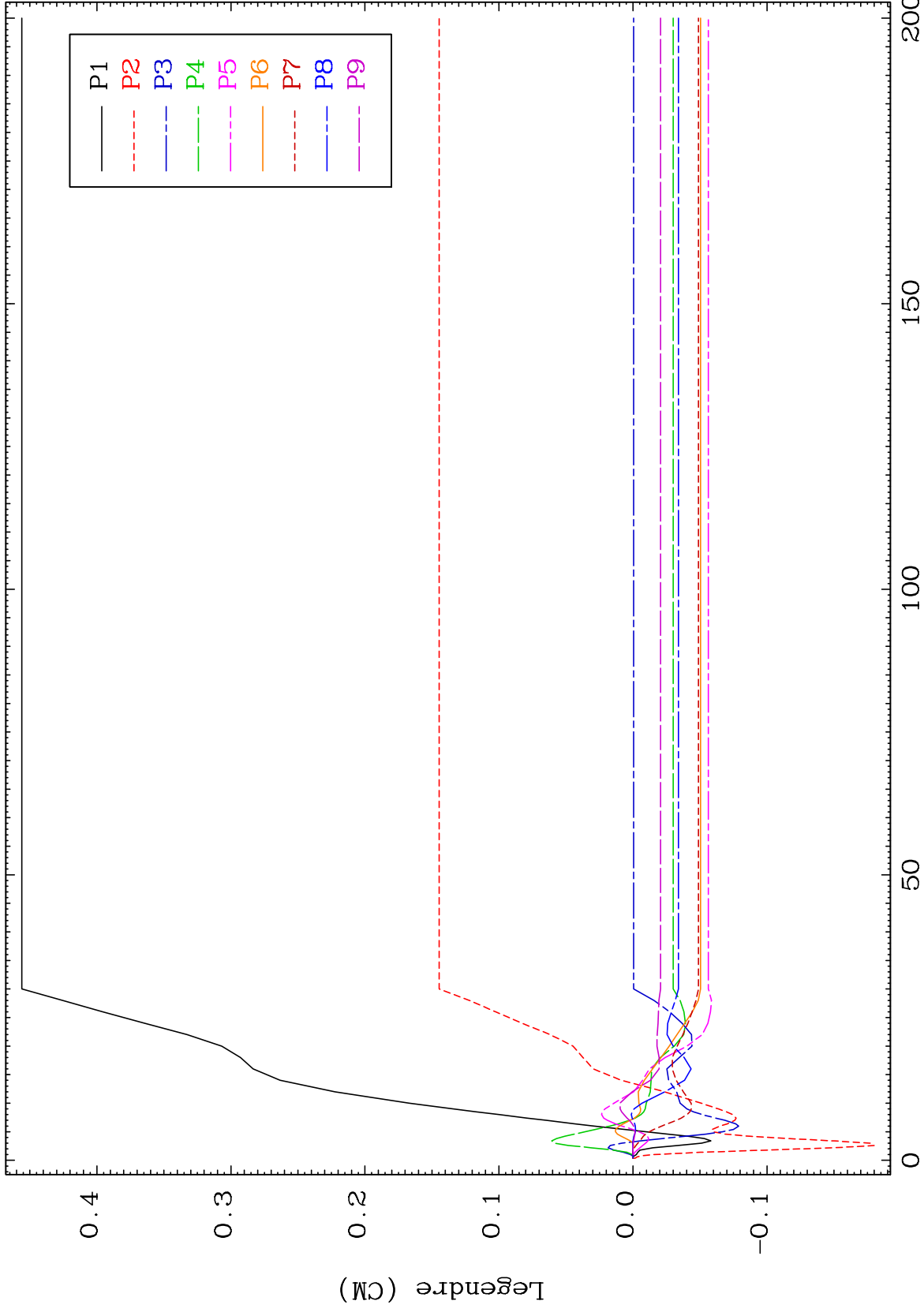


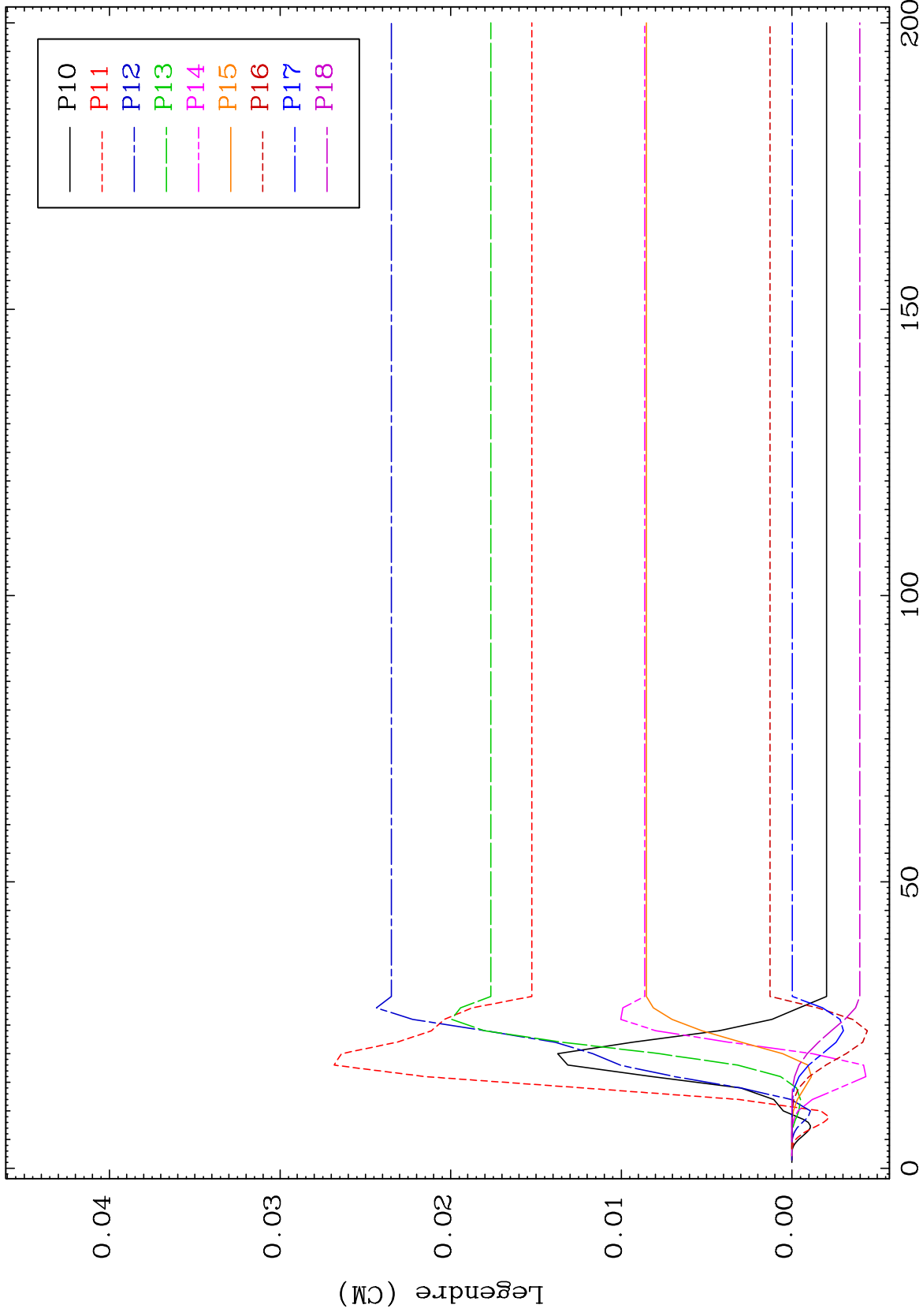








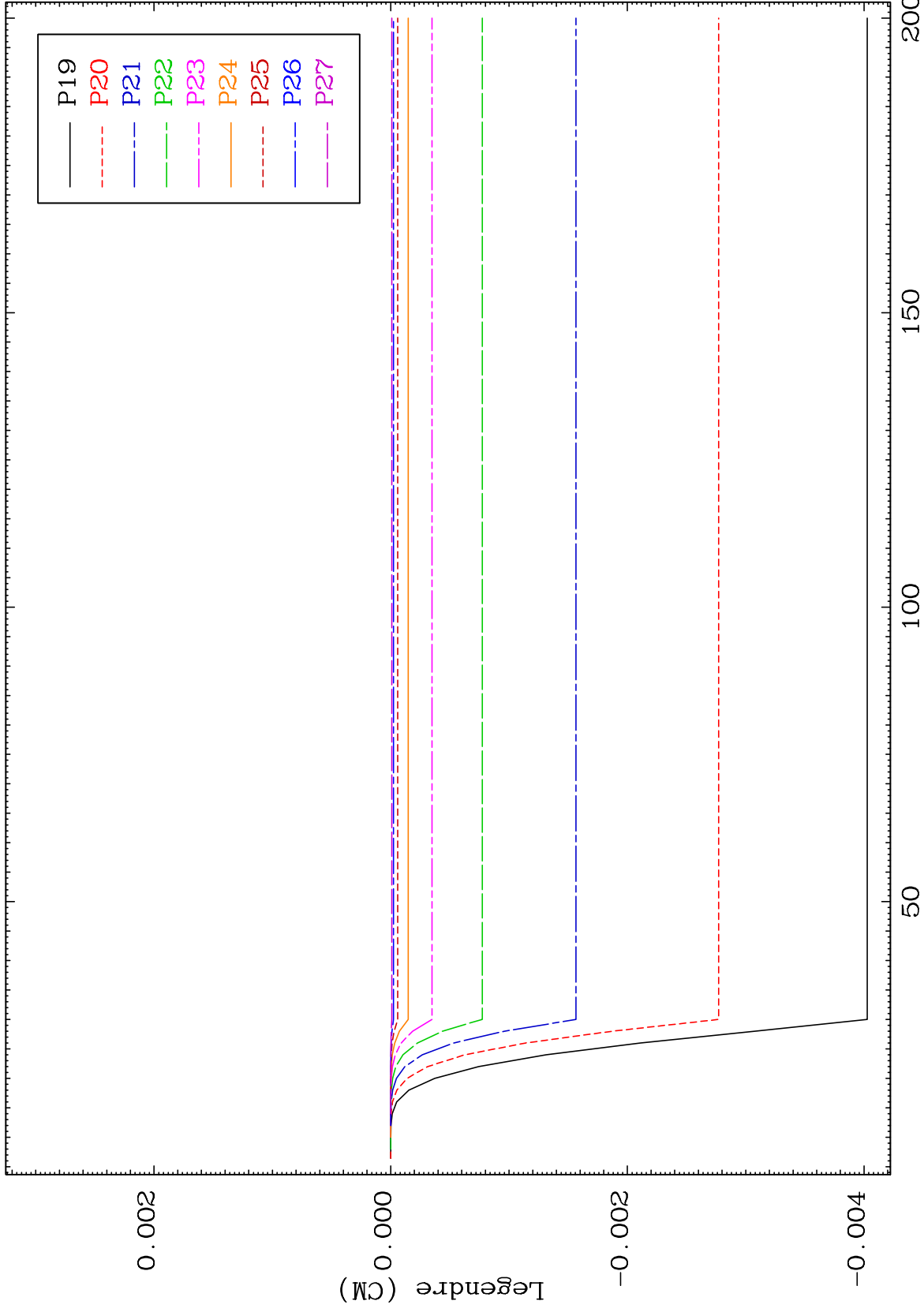




MAT 5322

MT= 67 (n,n') Level
Legendre Coefficients

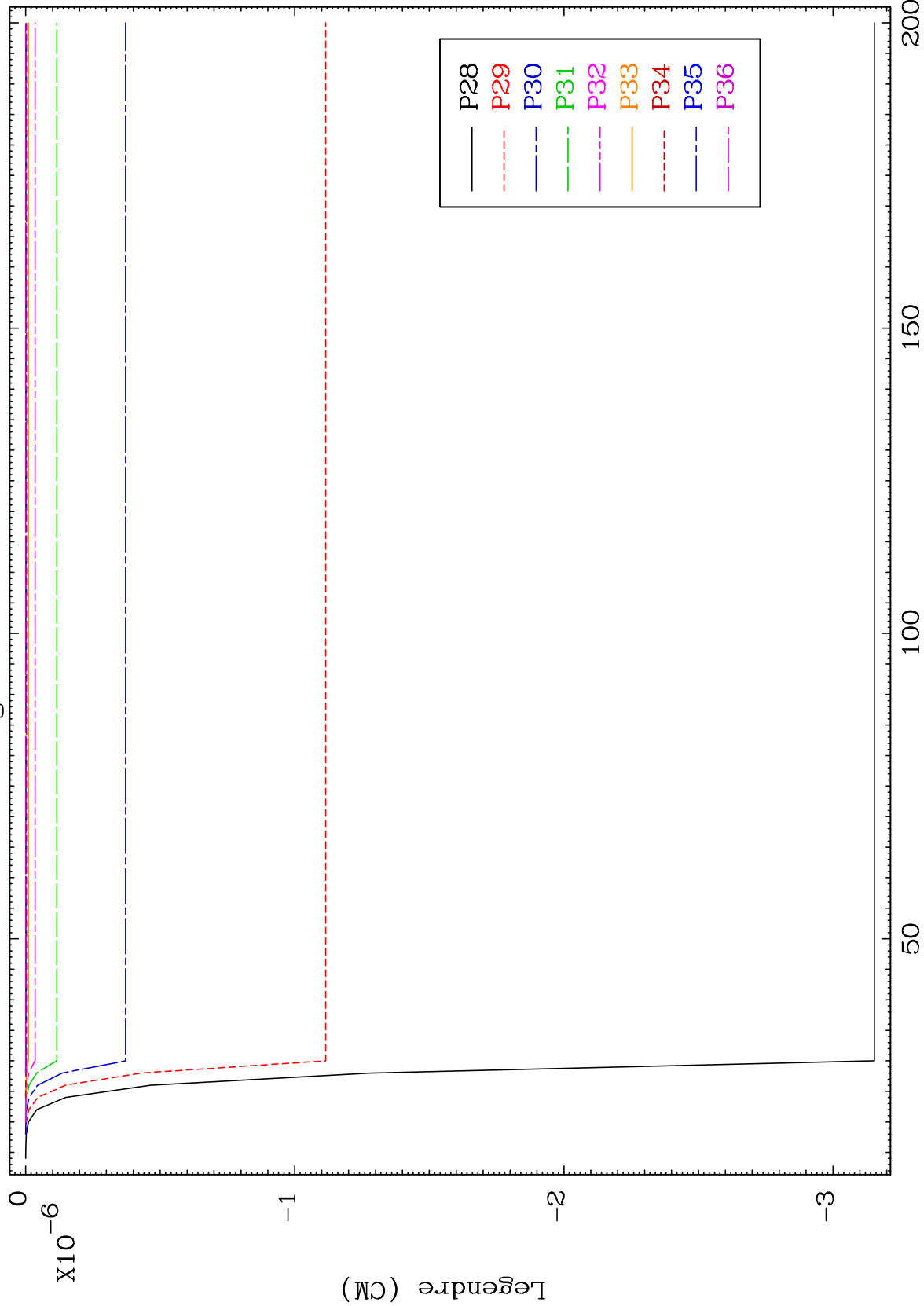
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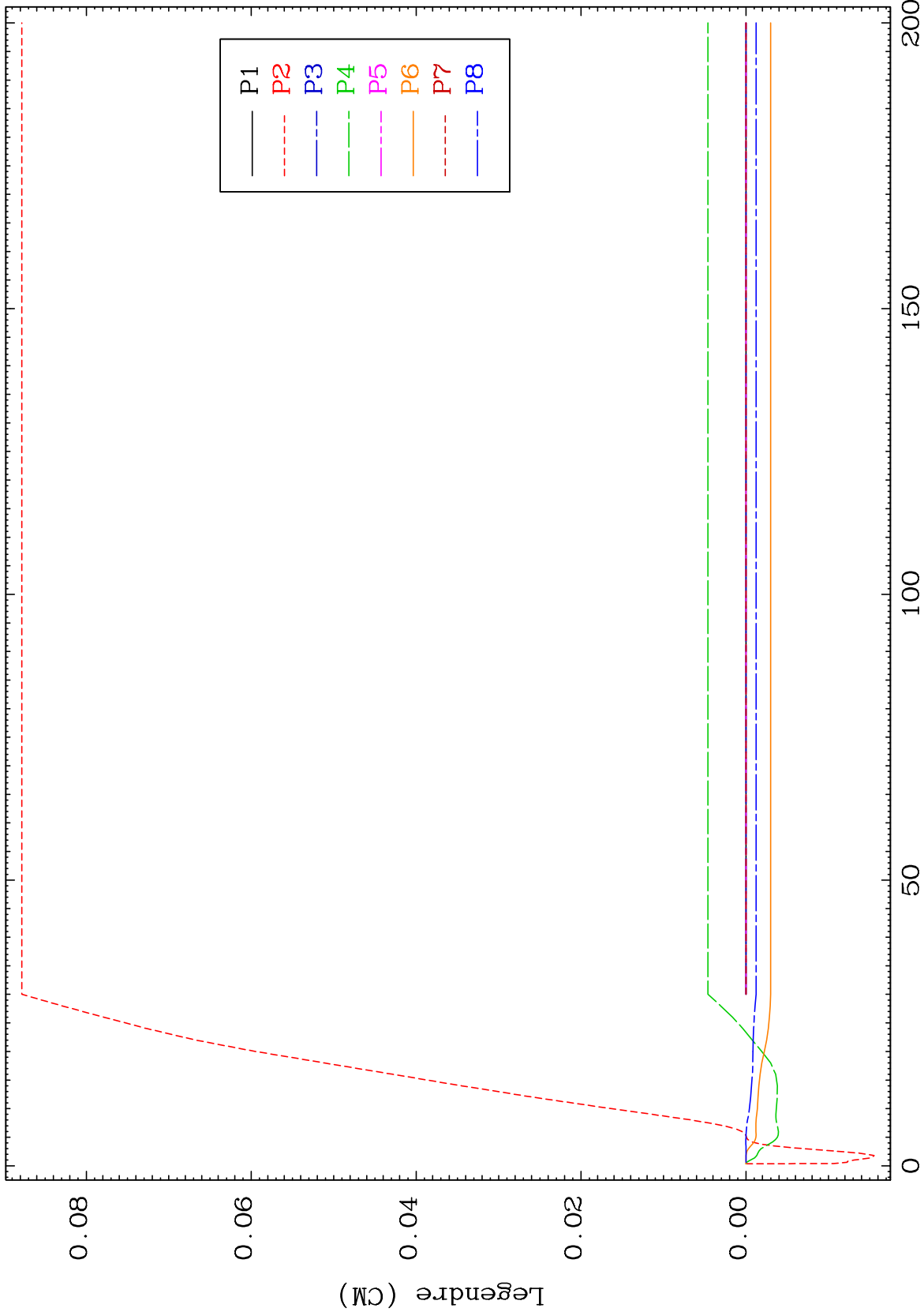


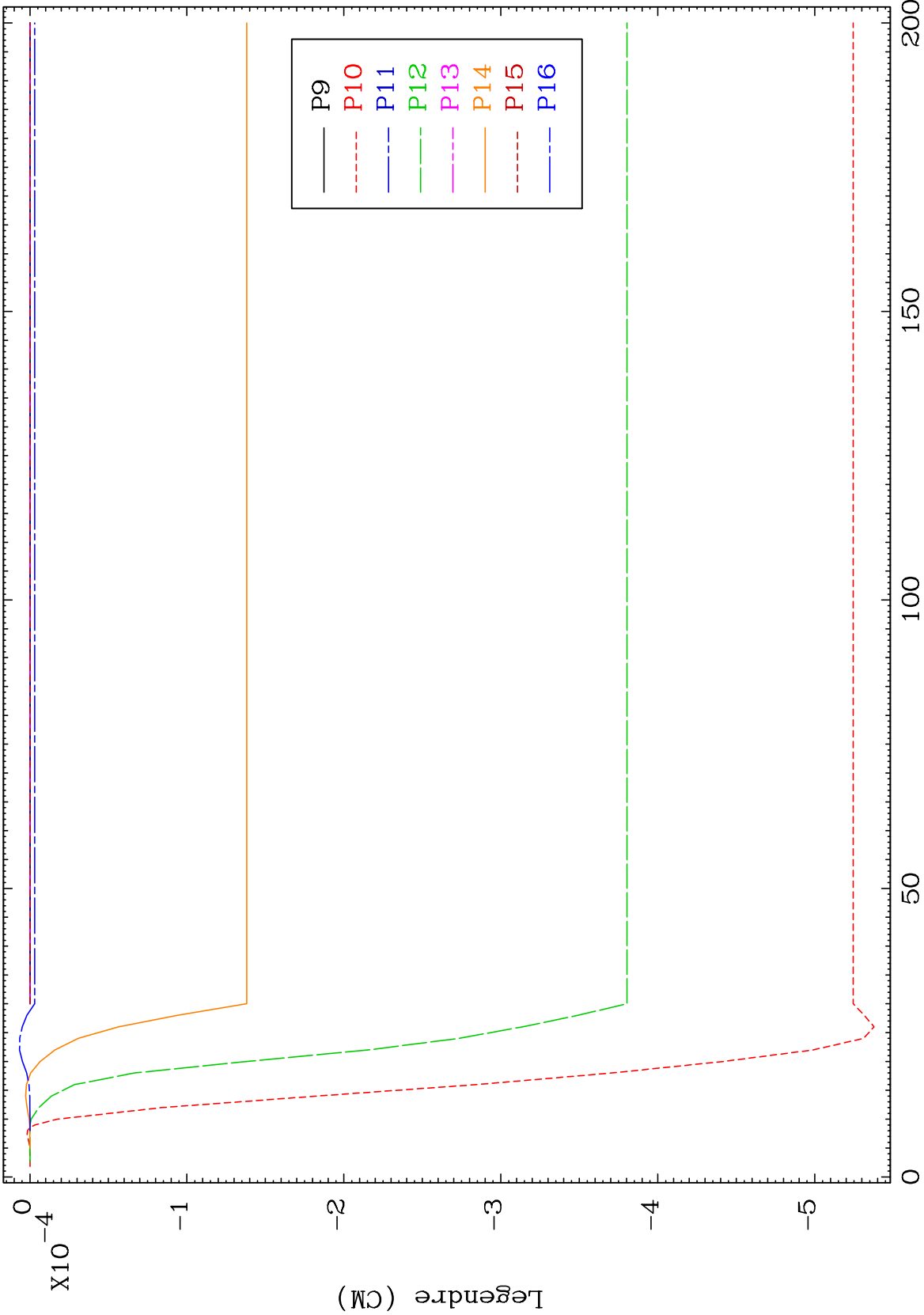
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Incident Energy (MeV)

53-I -126



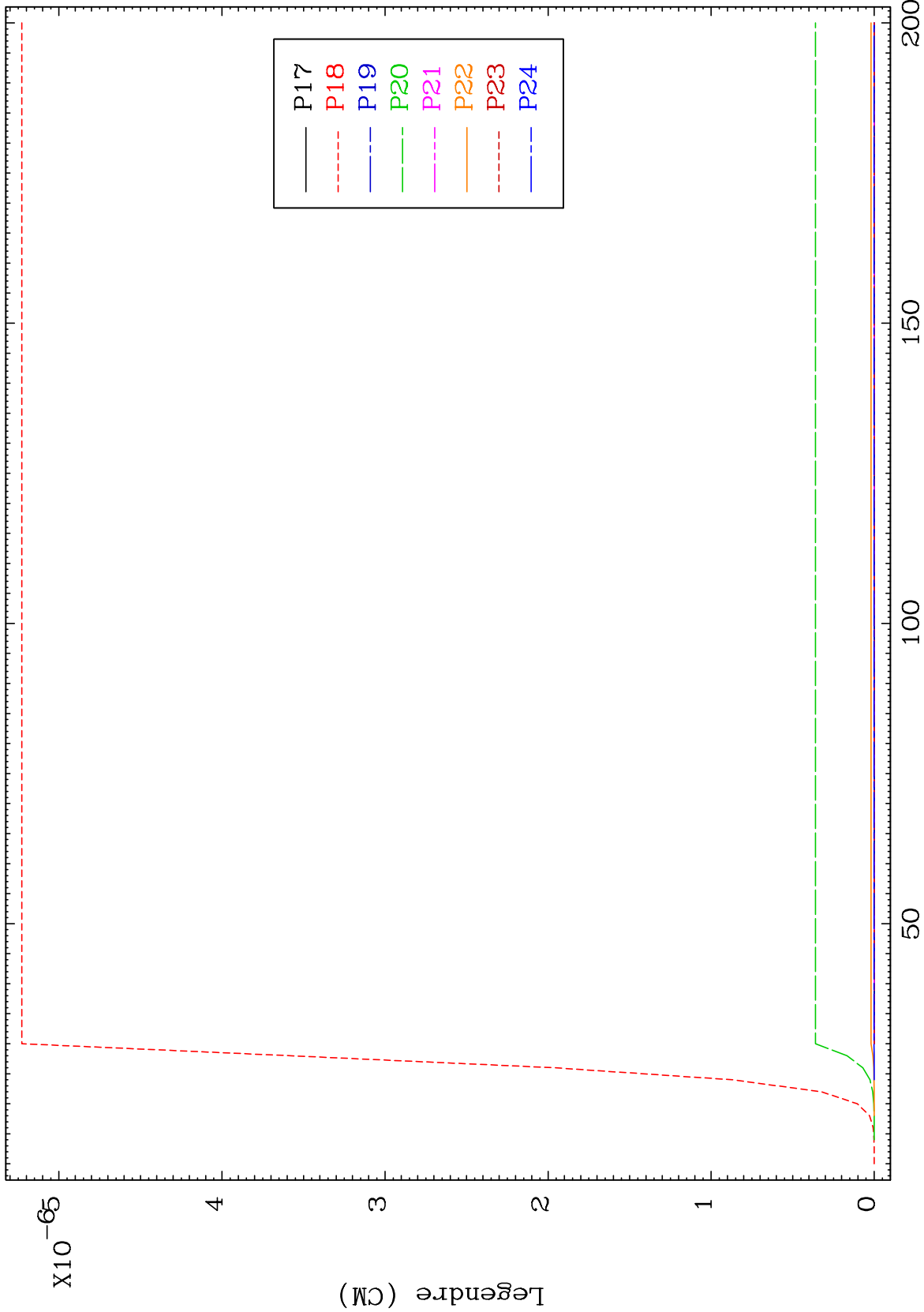




MAT 5322

MT= 68 (n,n') Level
Legendre Coefficients

53-I -126



84

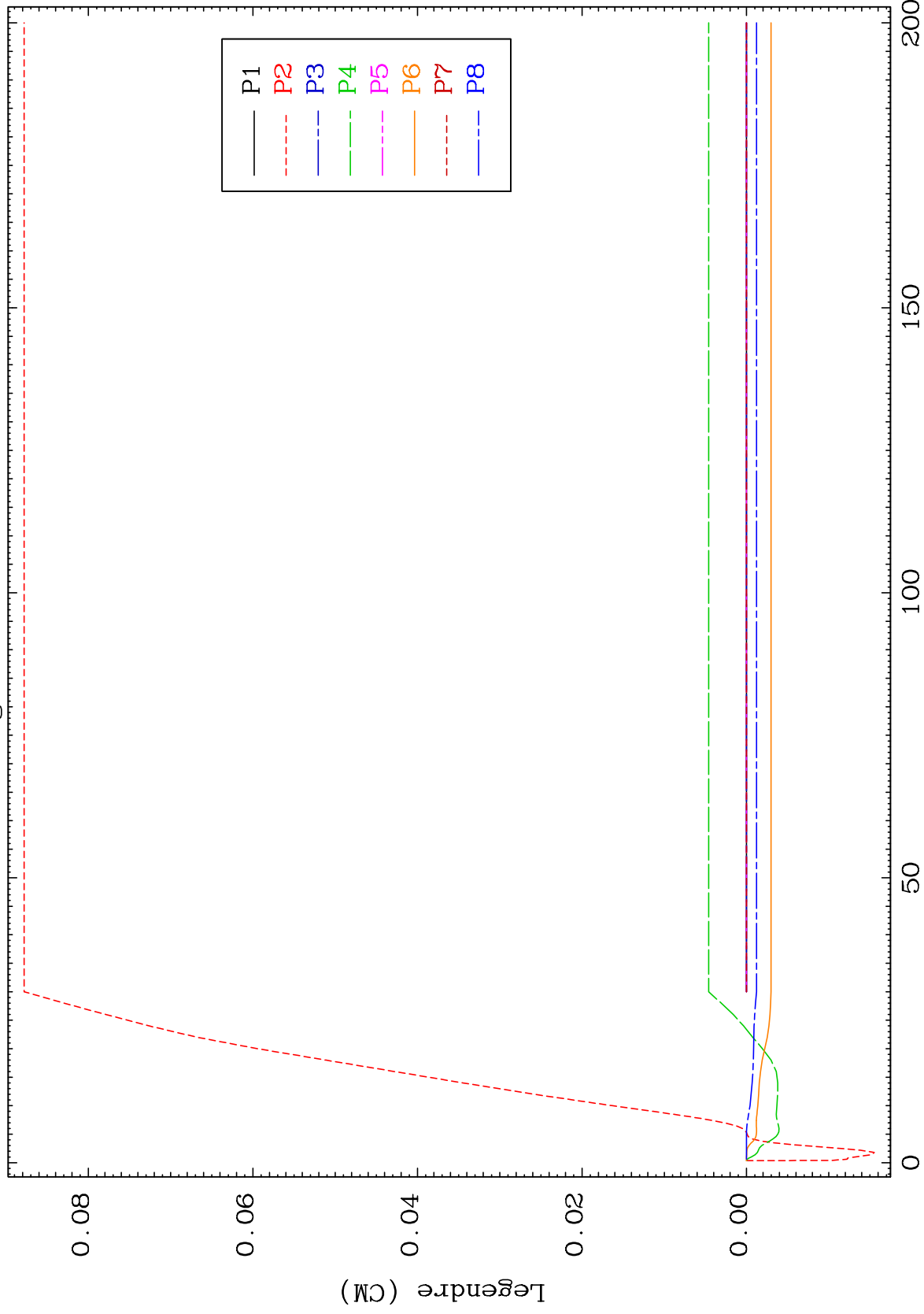
Incident Energy (MeV)

53-I -126

MAT 5322

MT= 69 (n,n') Level
Legendre Coefficients

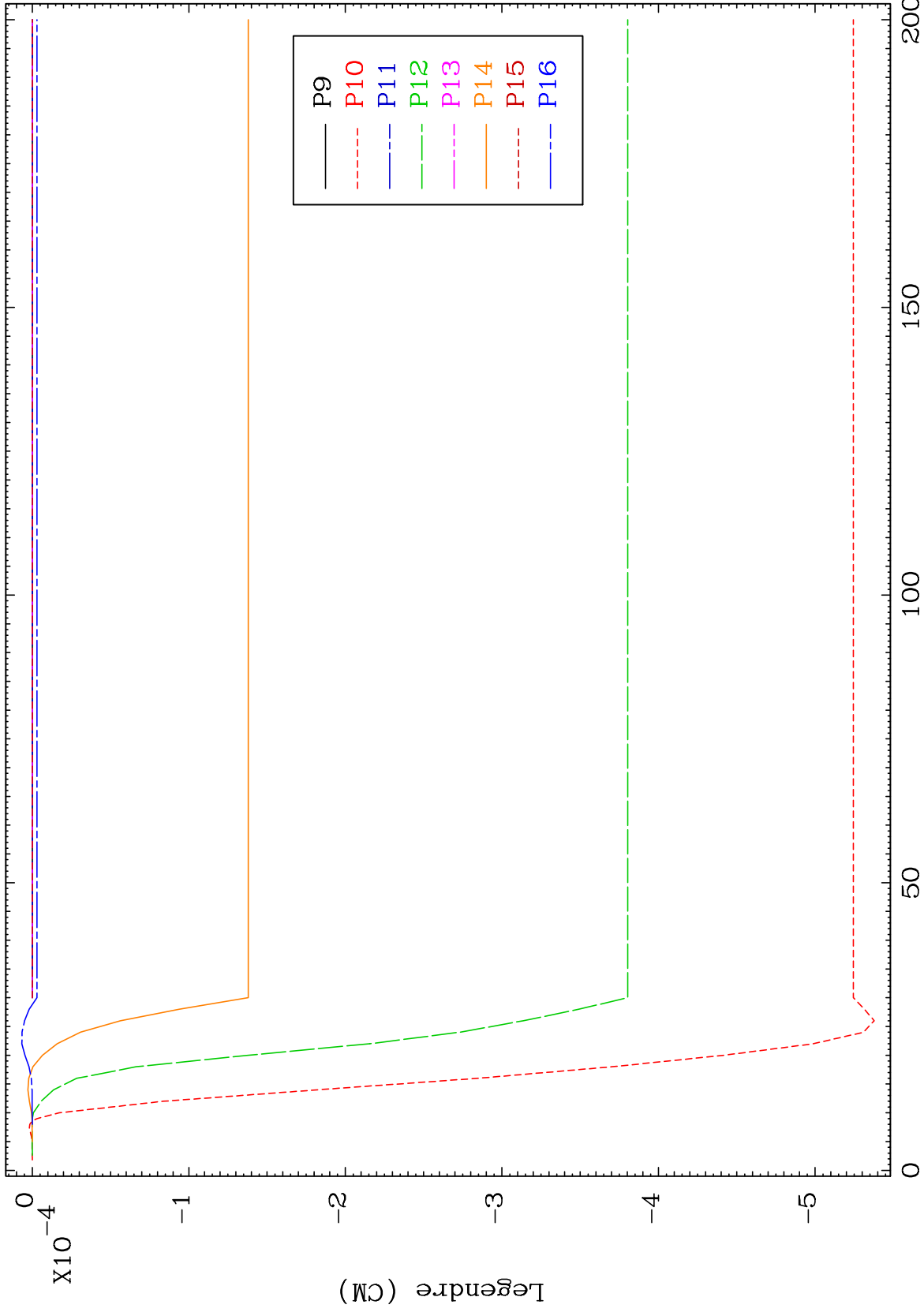
53-I -126

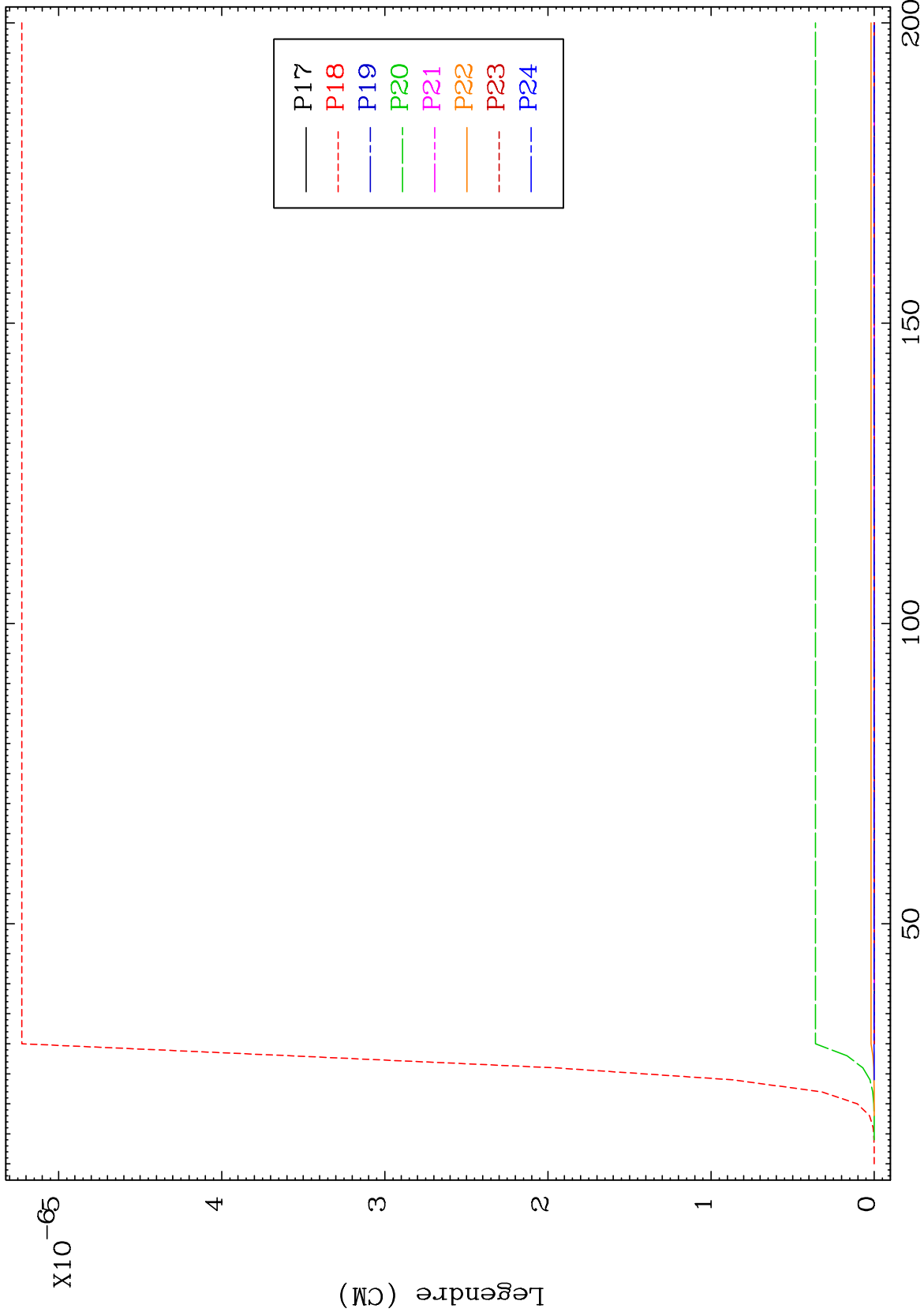


85

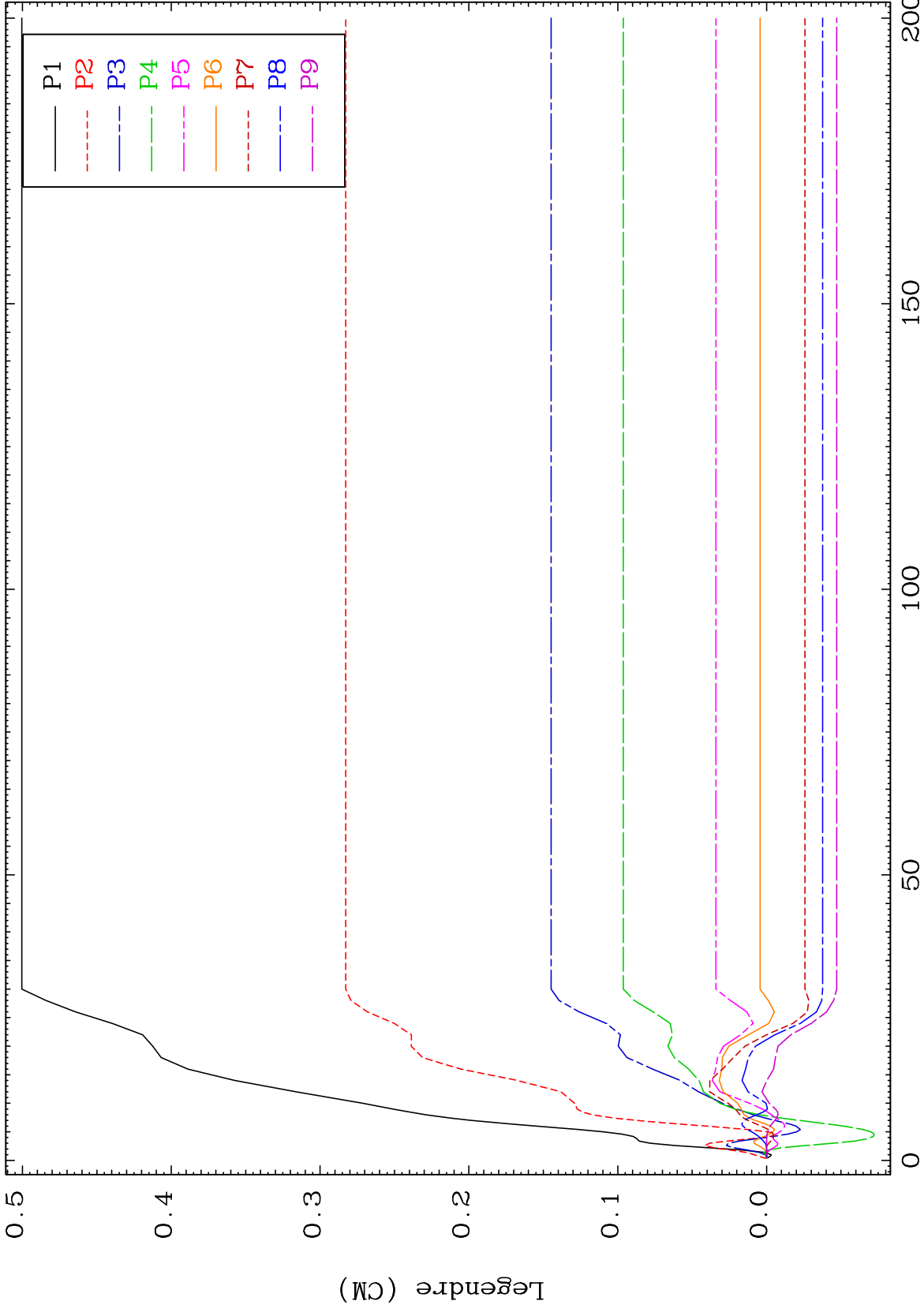
Incident Energy (MeV)

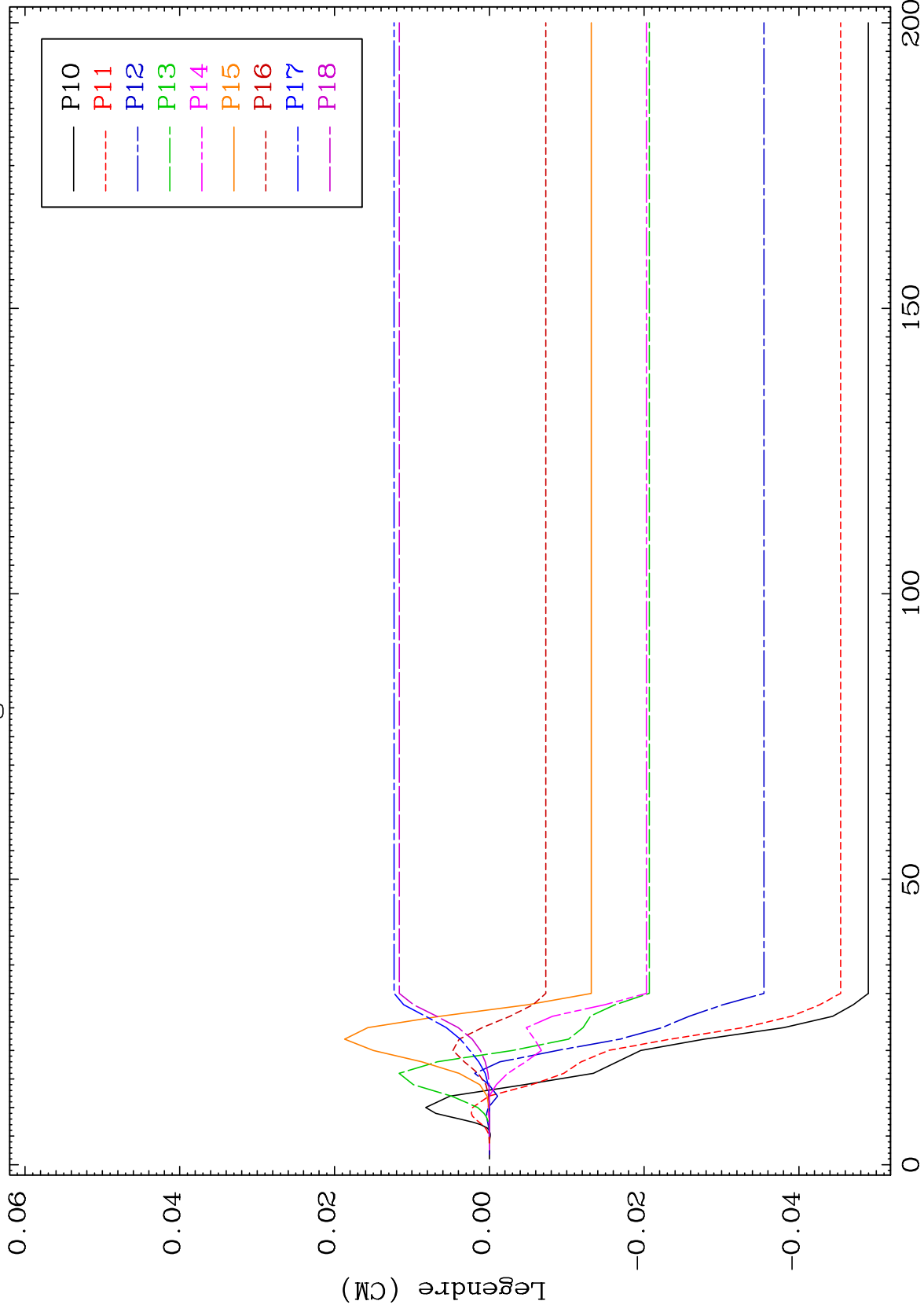
53-I -126

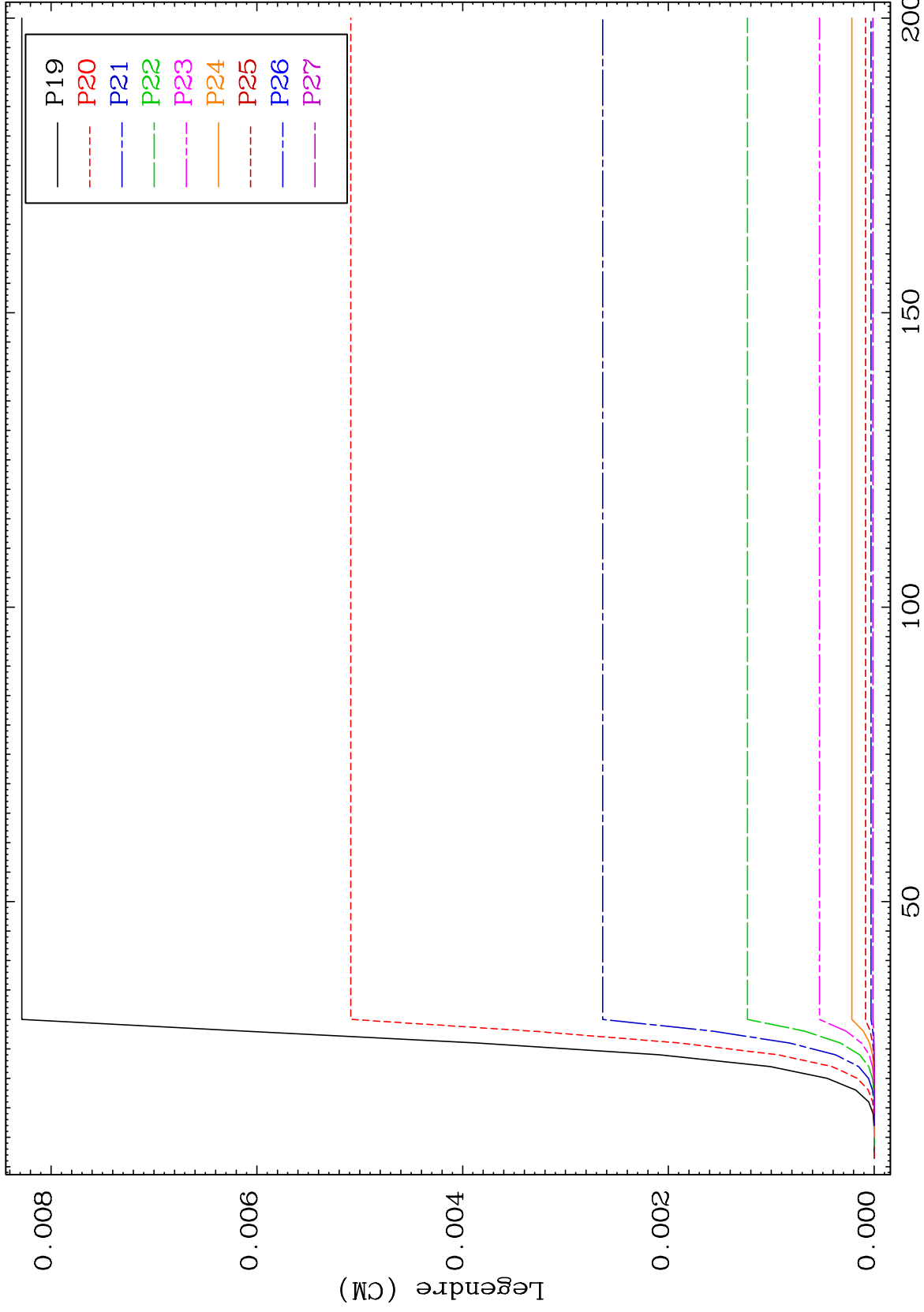


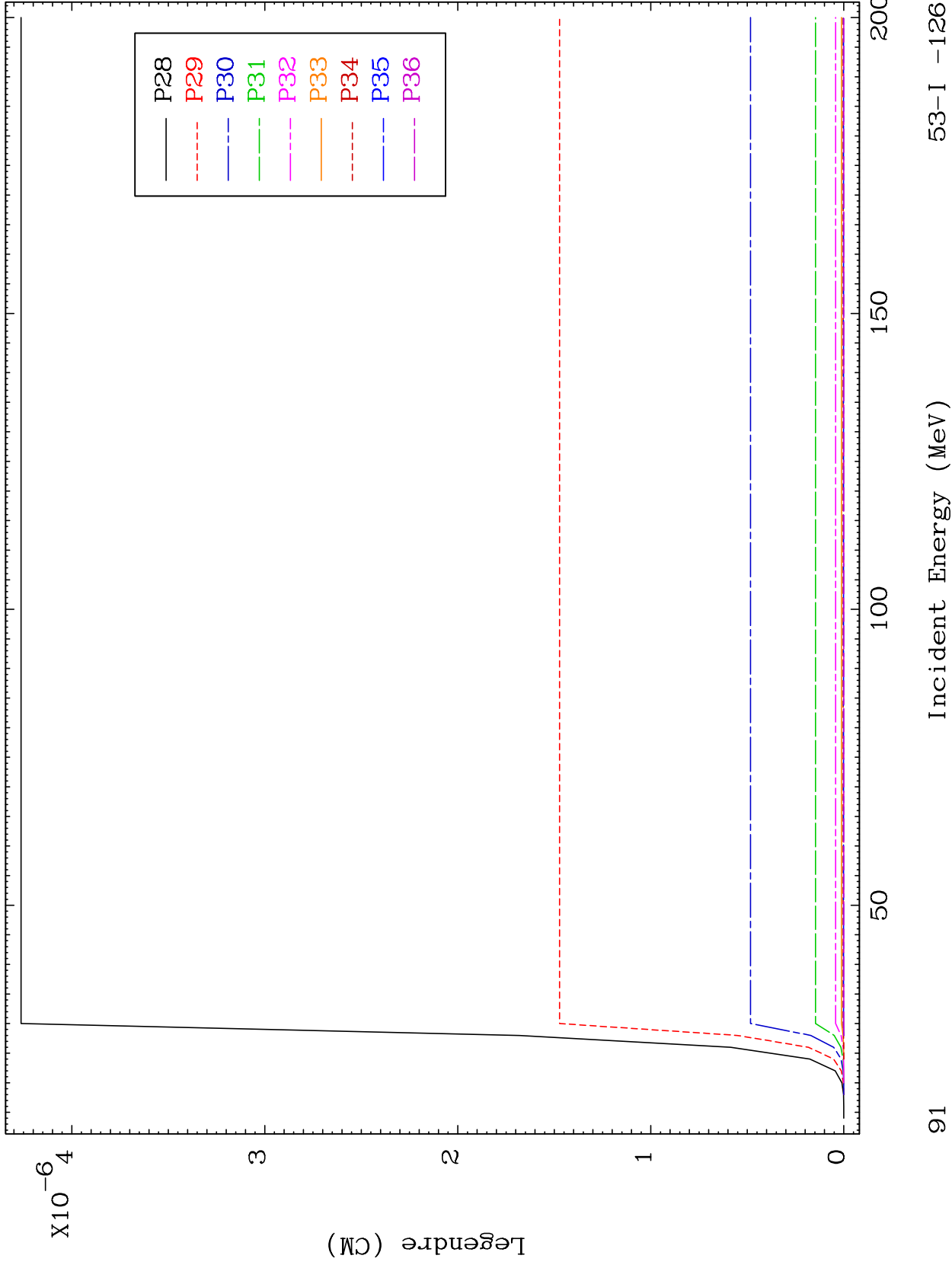


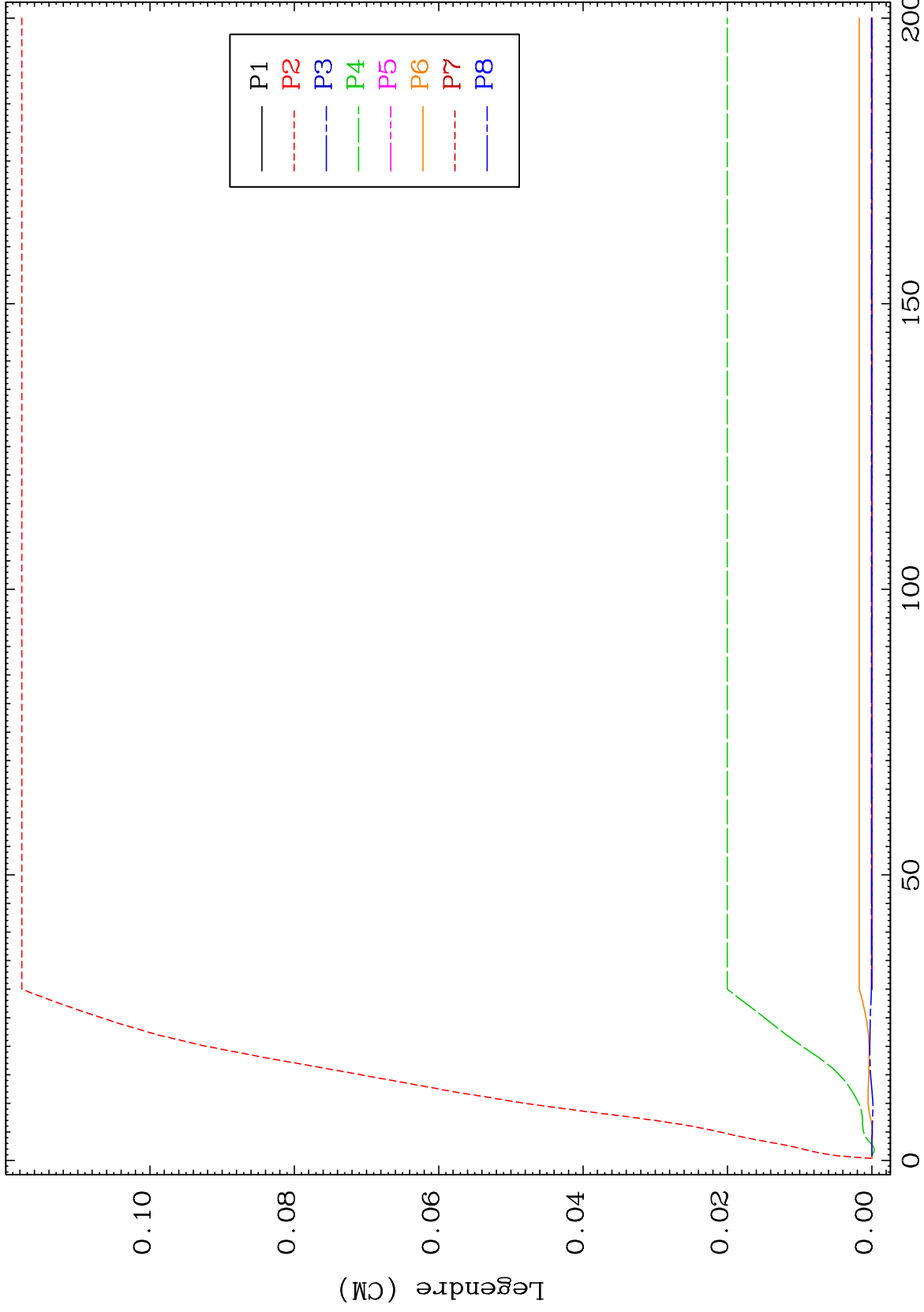
Legendre Coefficients

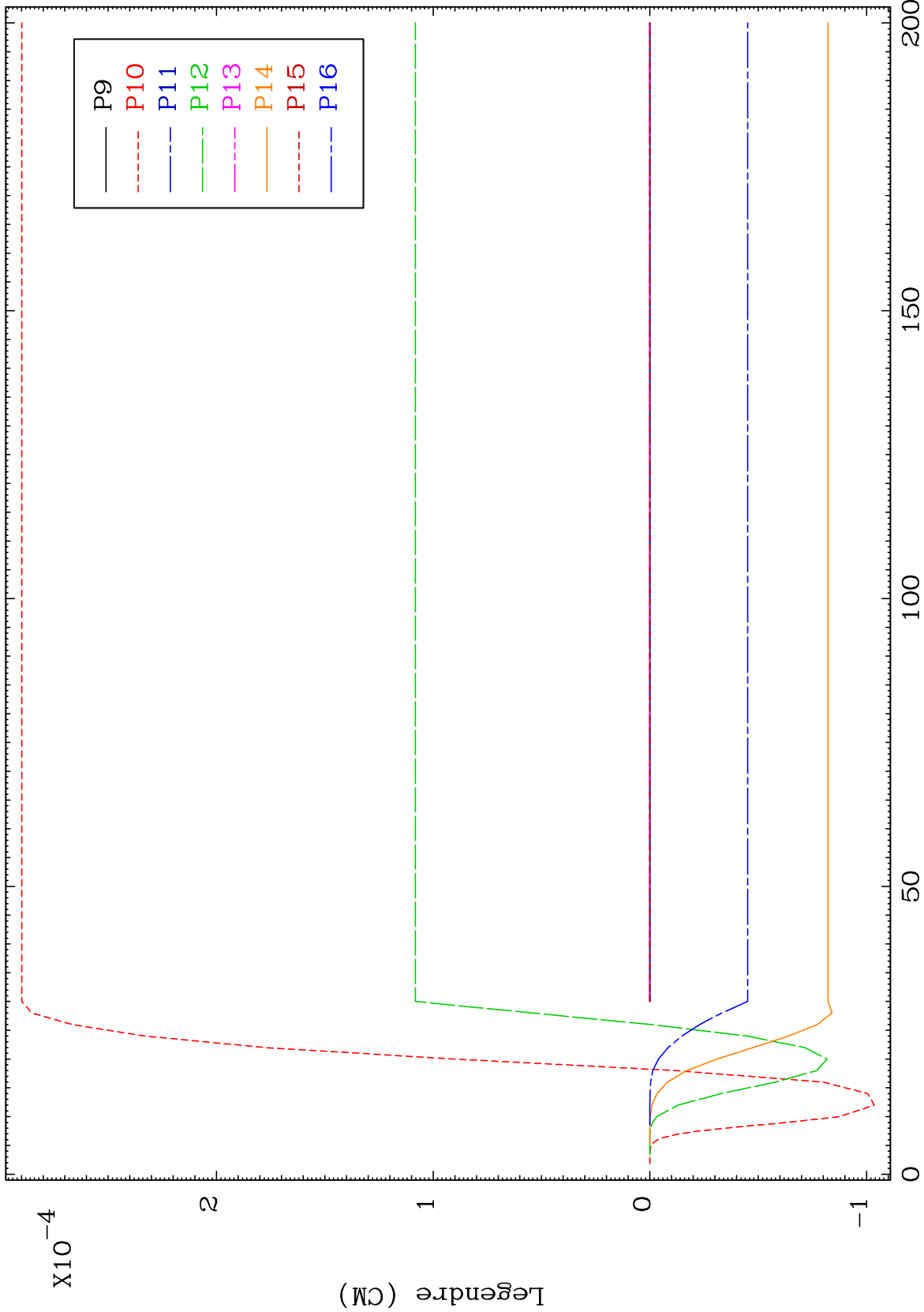








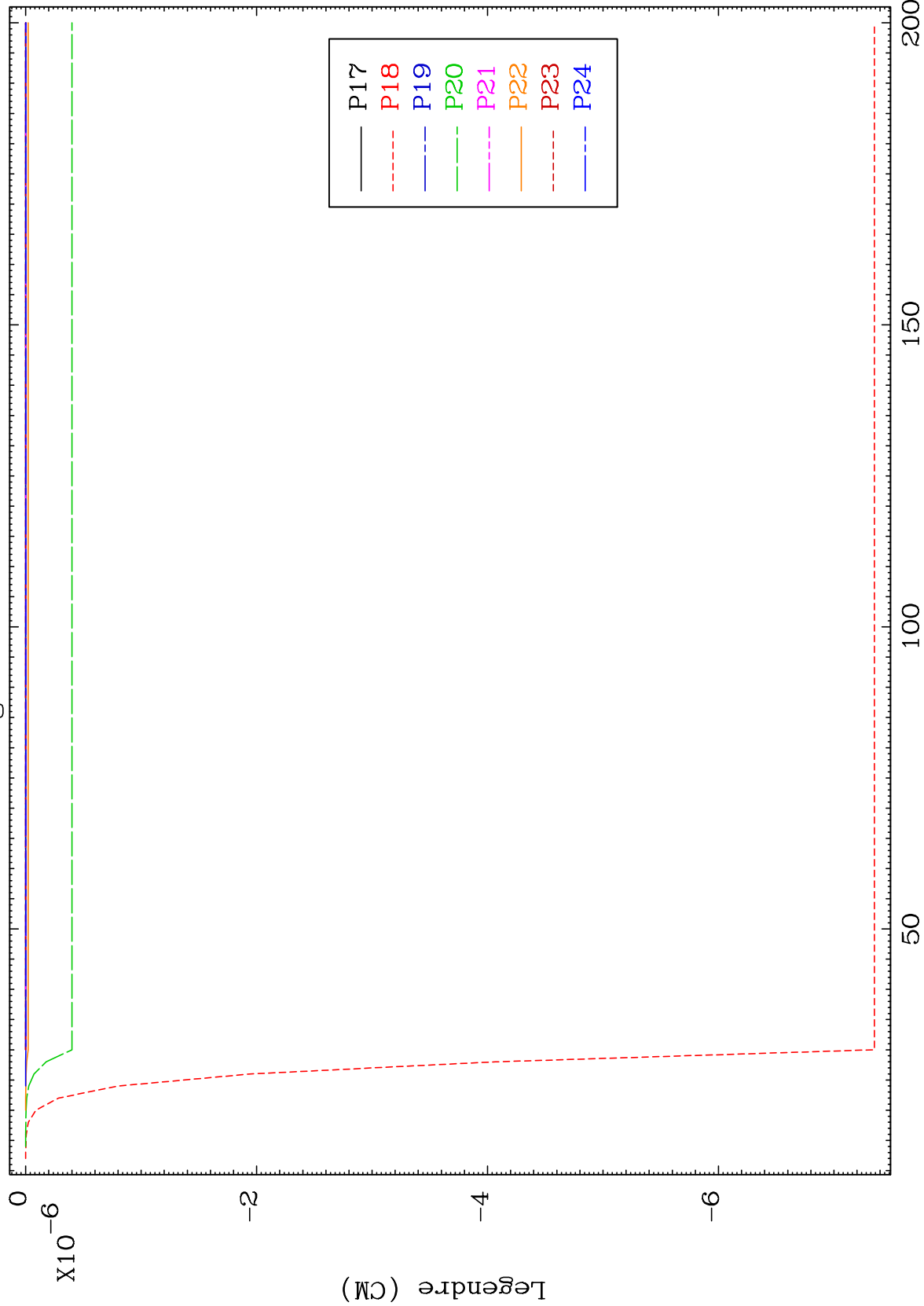




MAT 5322

MT= 71 (n,n') Level
Legendre Coefficients

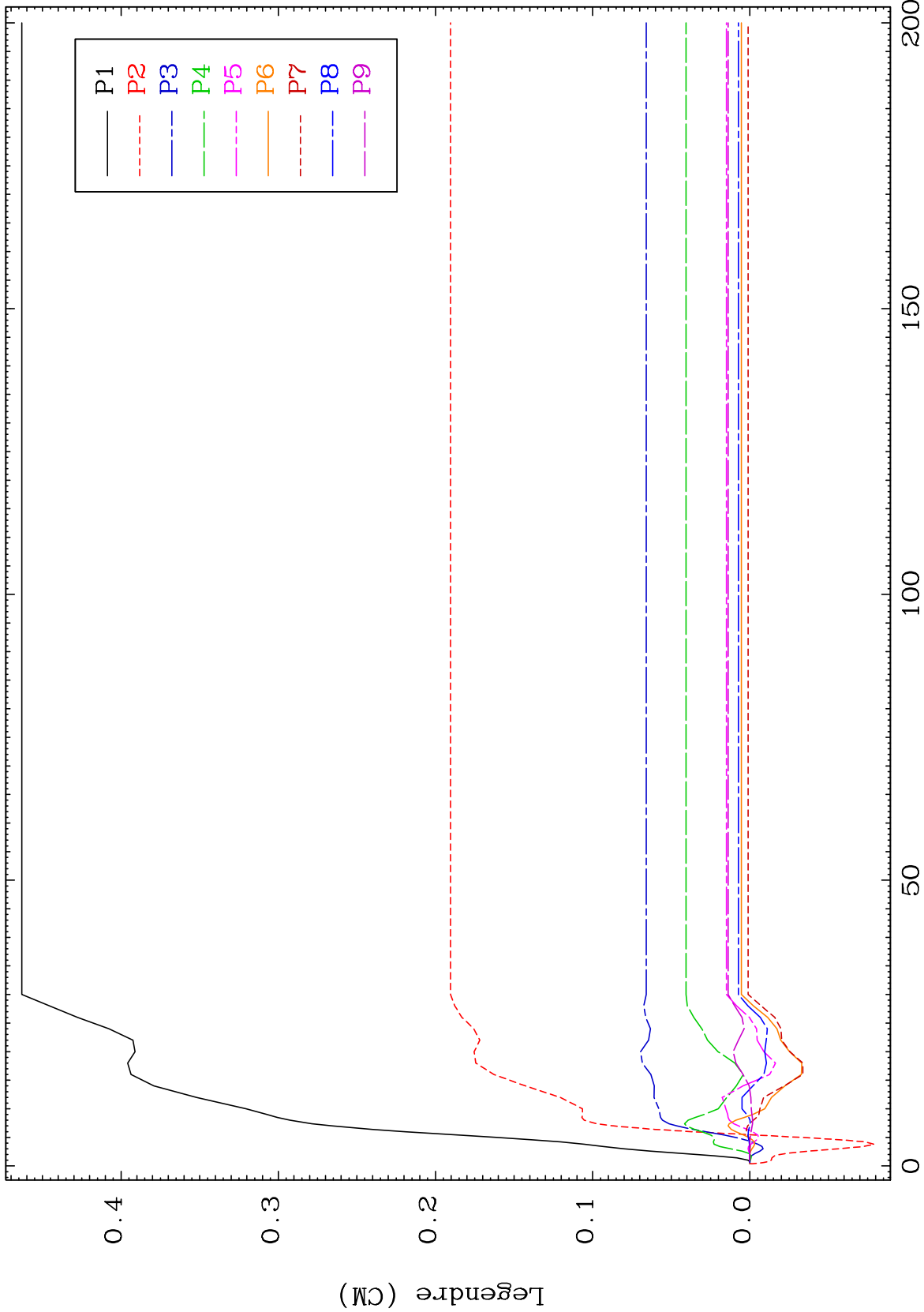
53-I -126

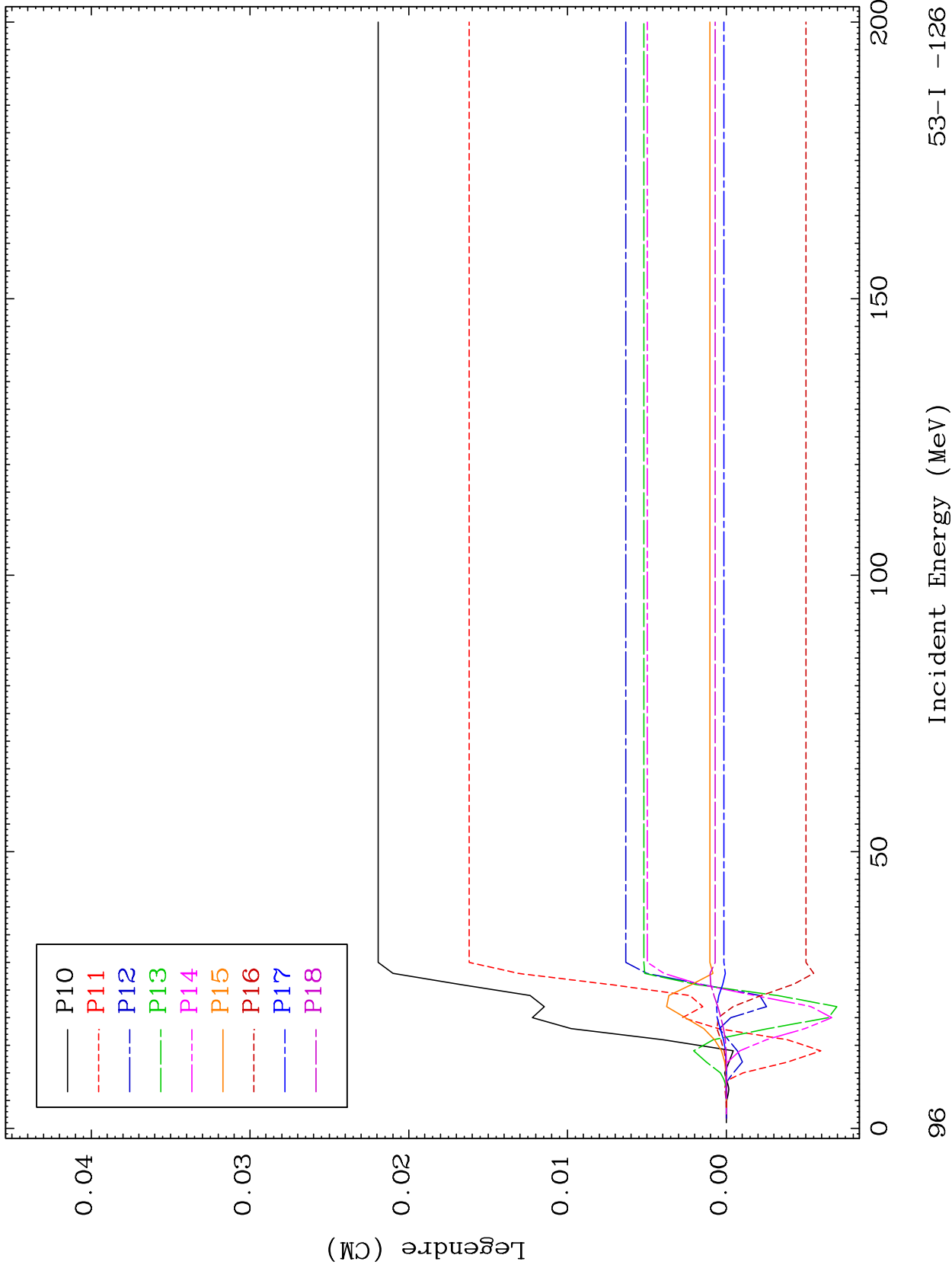


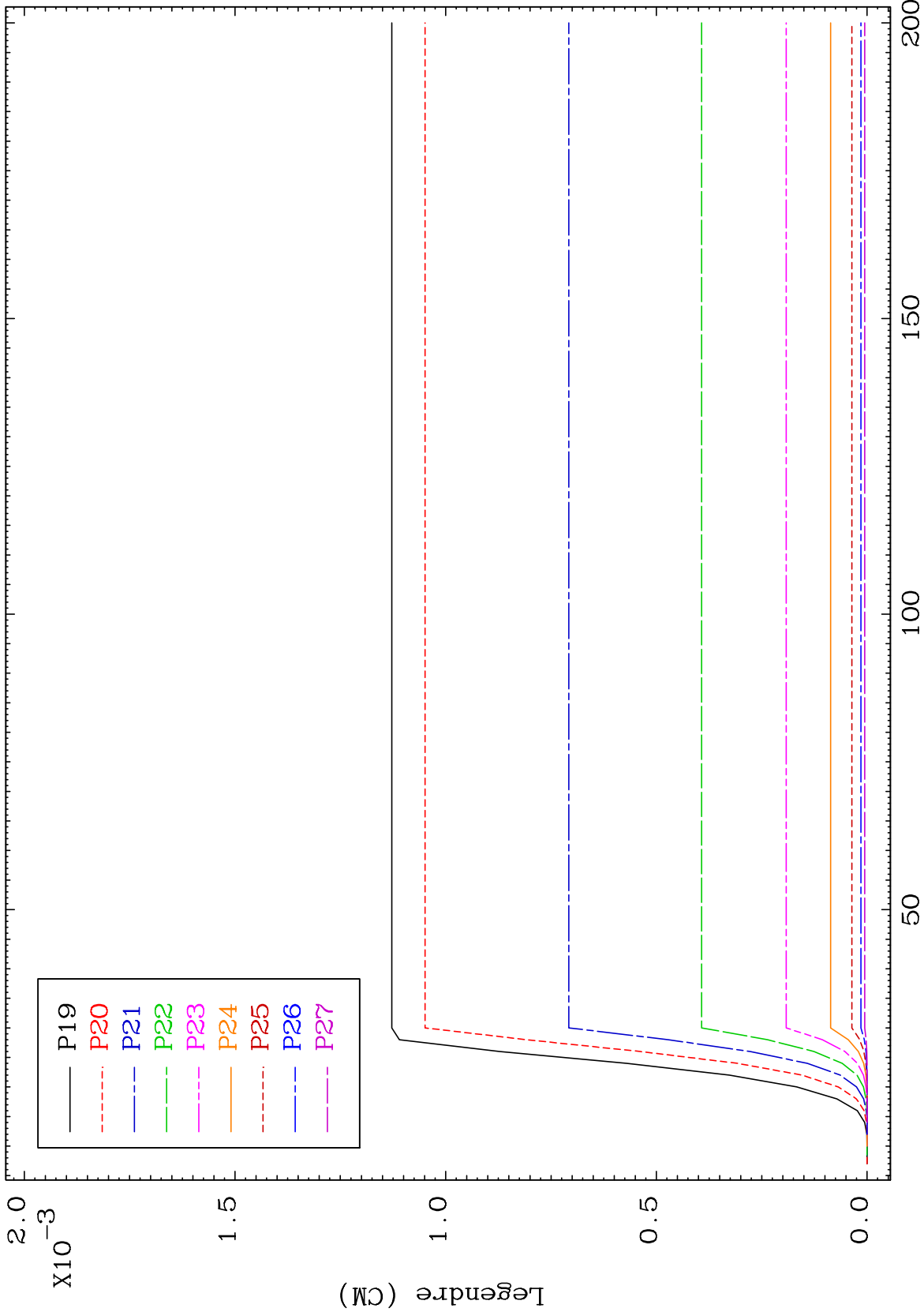
94

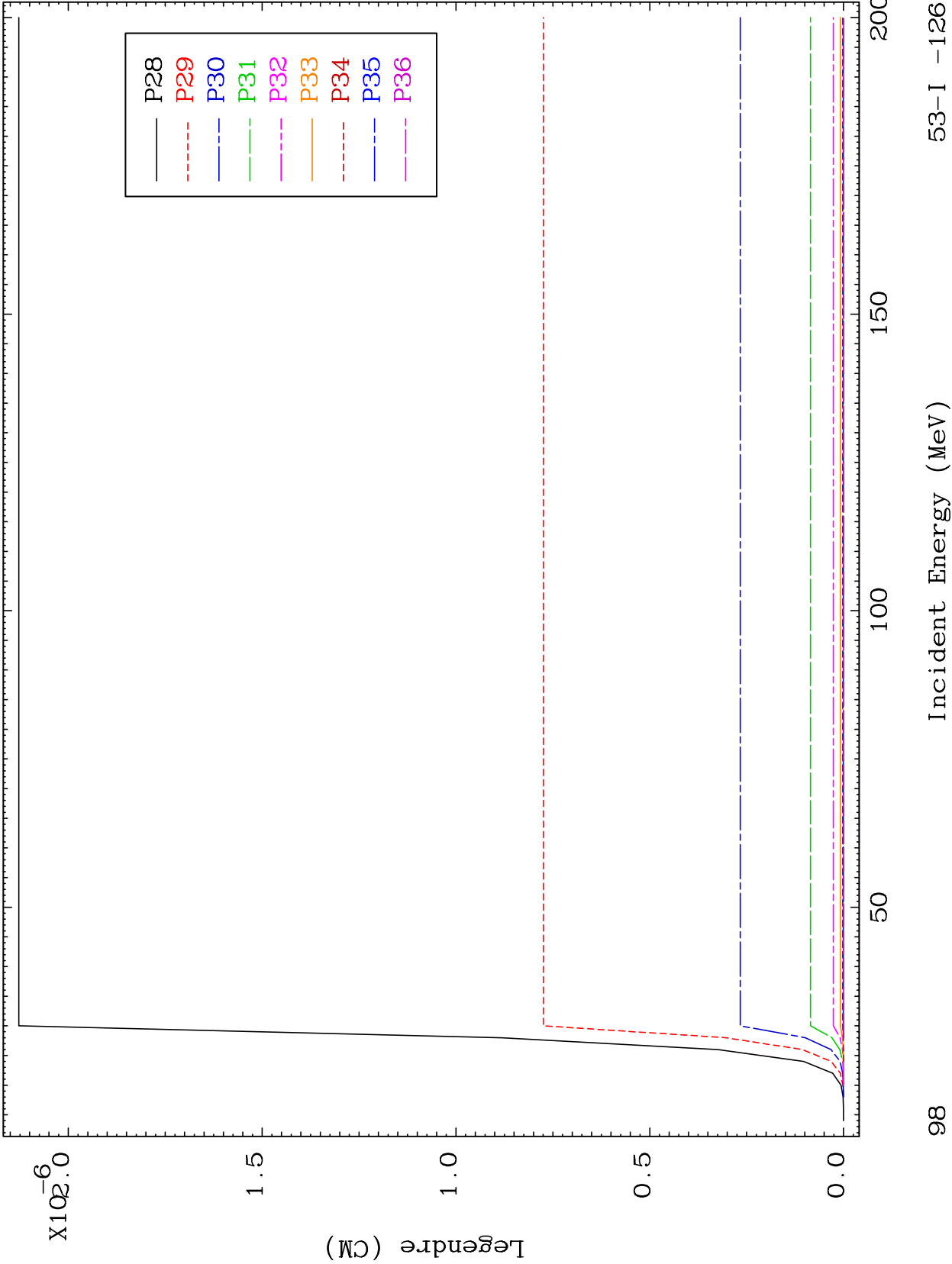
Incident Energy (MeV)

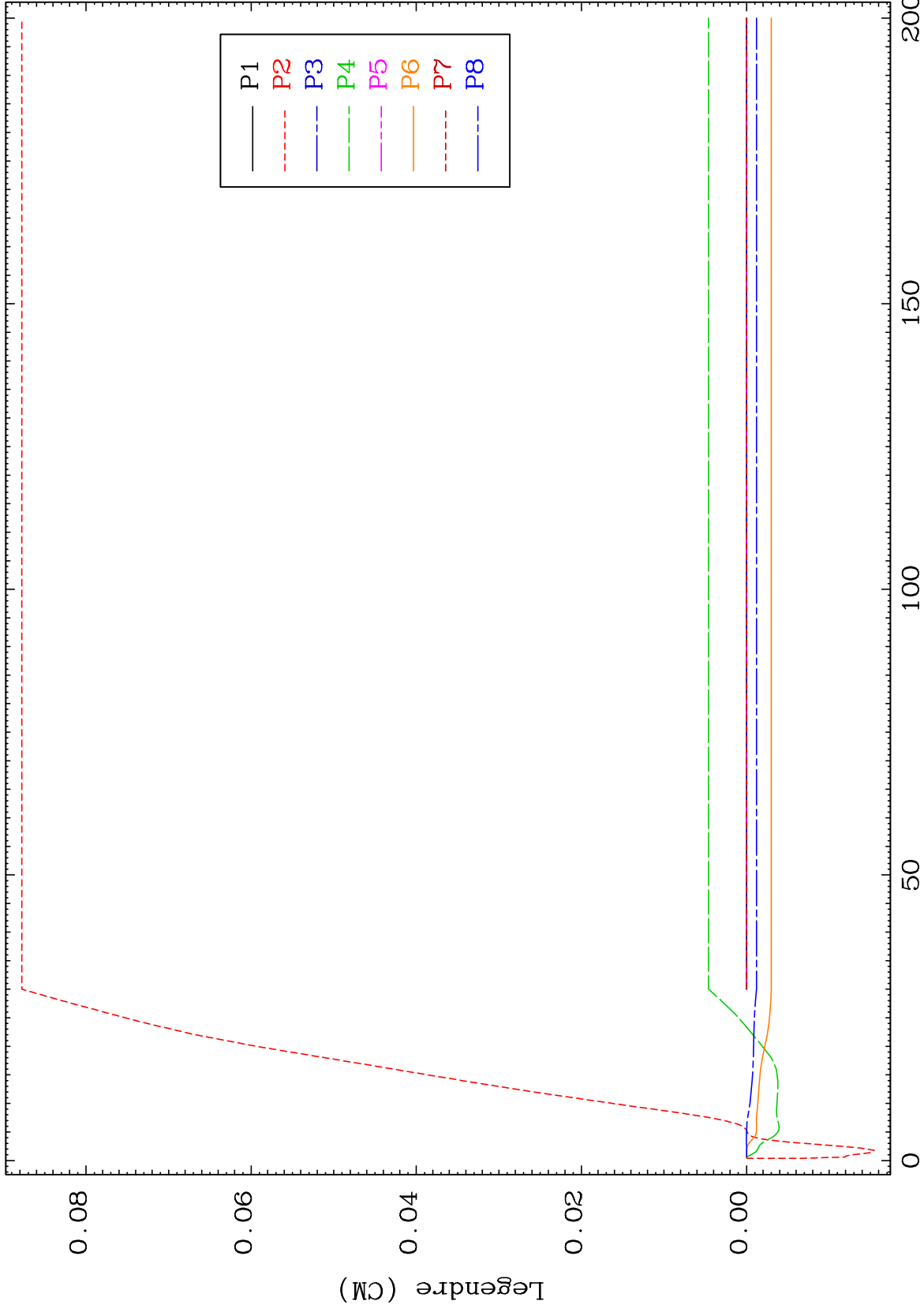
53-I -126







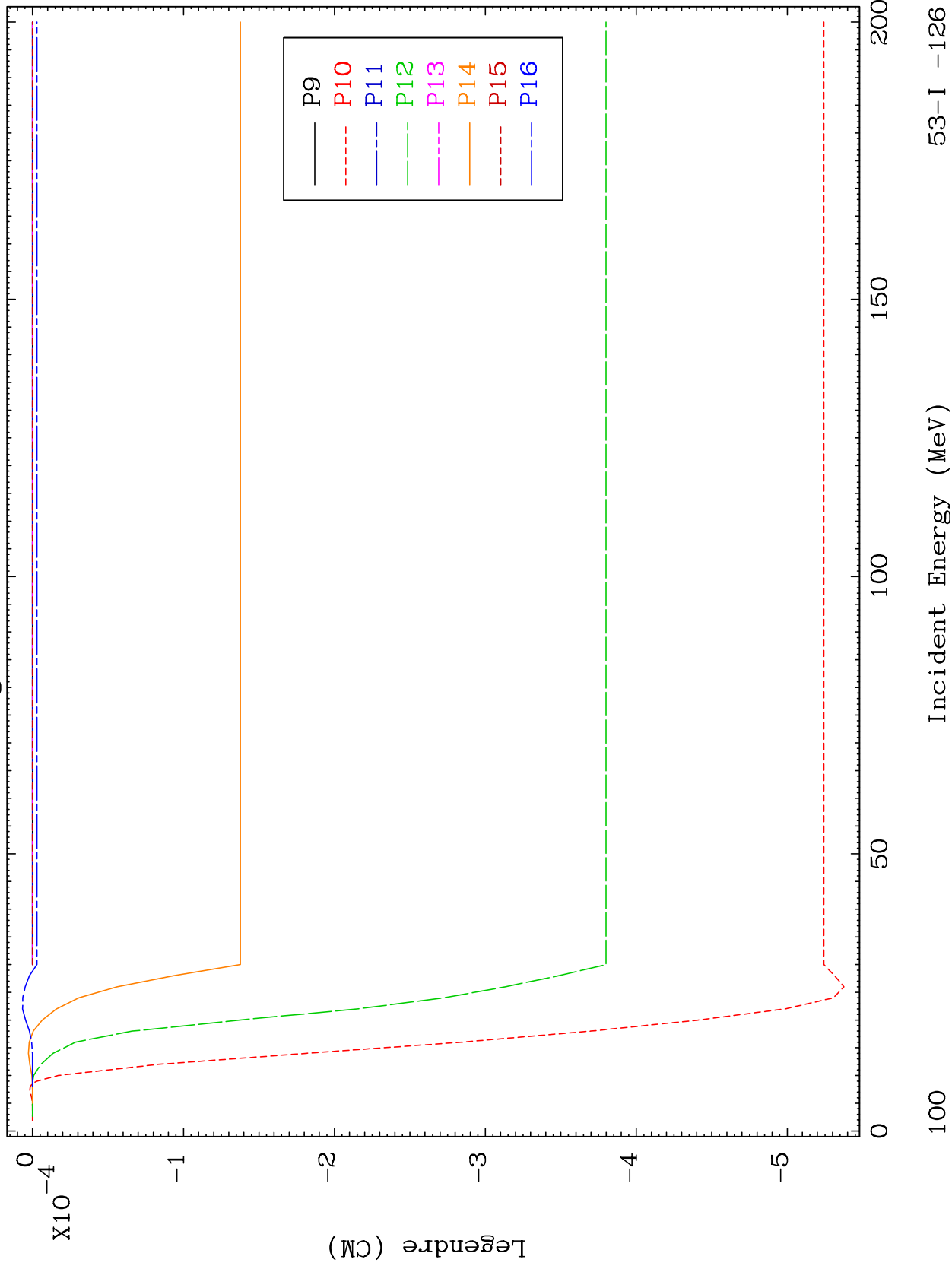




MAT 5322

MT= 73 (n,n') Level
Legendre Coefficients

53-I -126



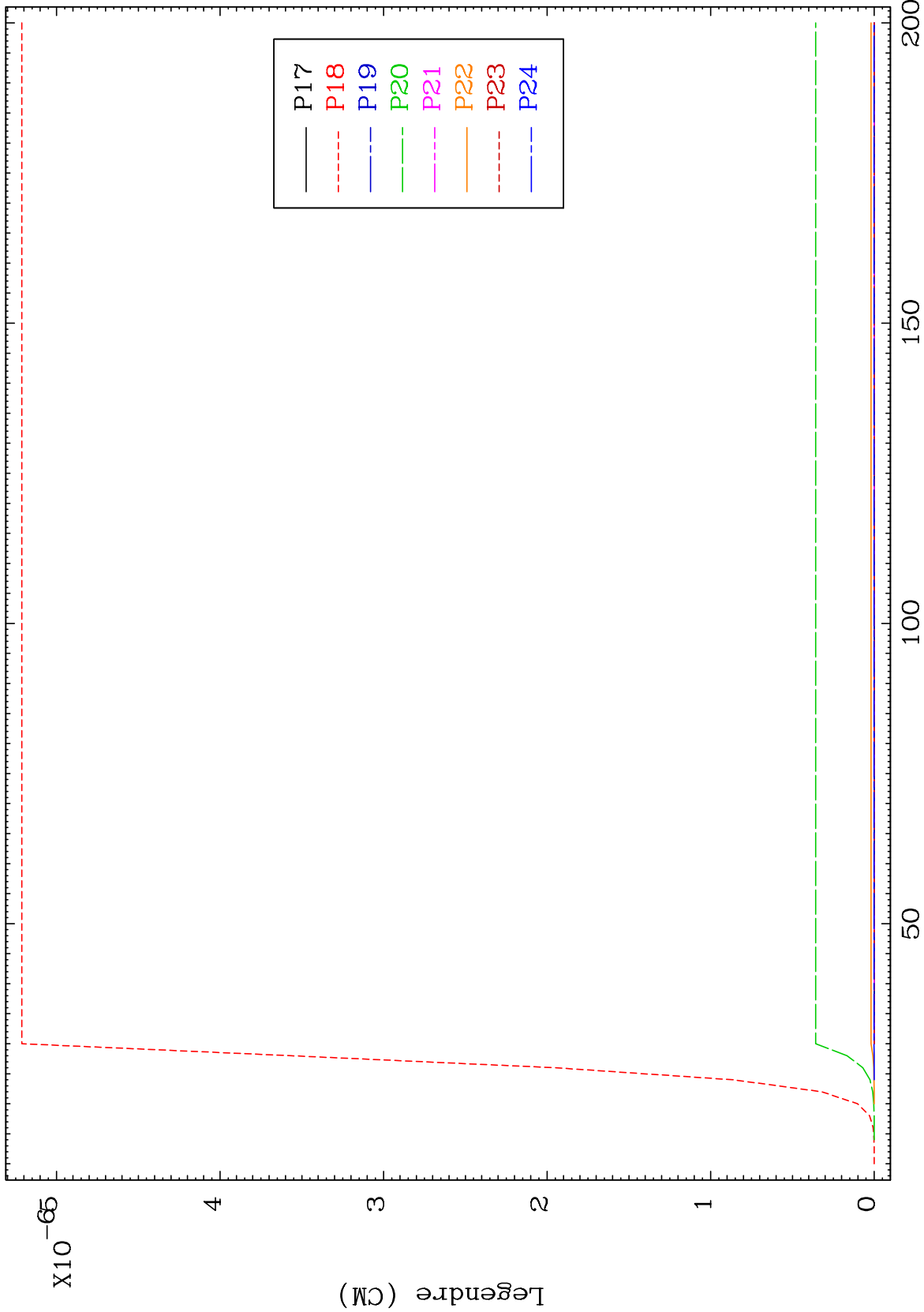
53-I -126

Incident Energy (MeV)

MAT 5322

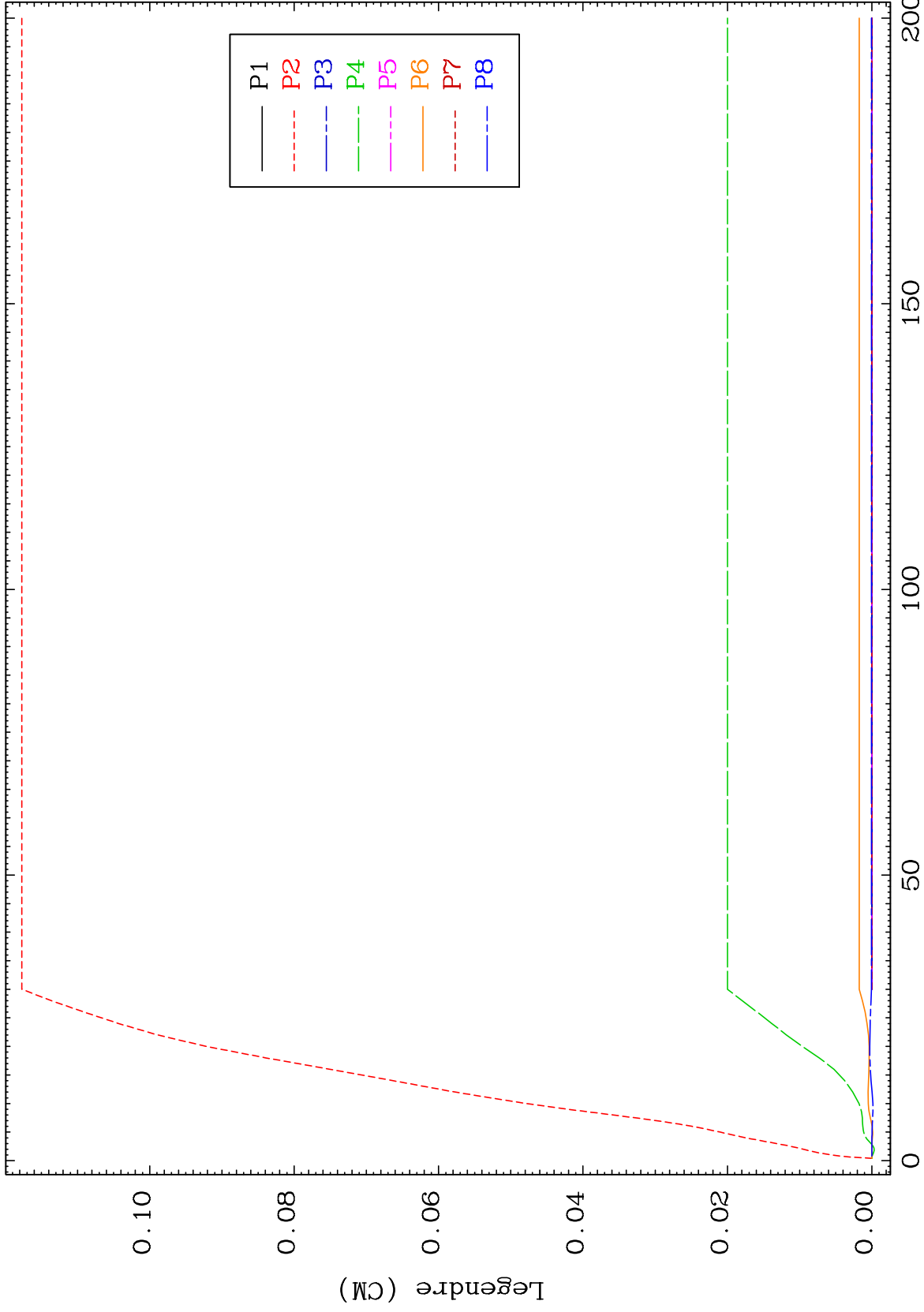
MT= 73 (n,n') Level
Legendre Coefficients

53-I -126



101

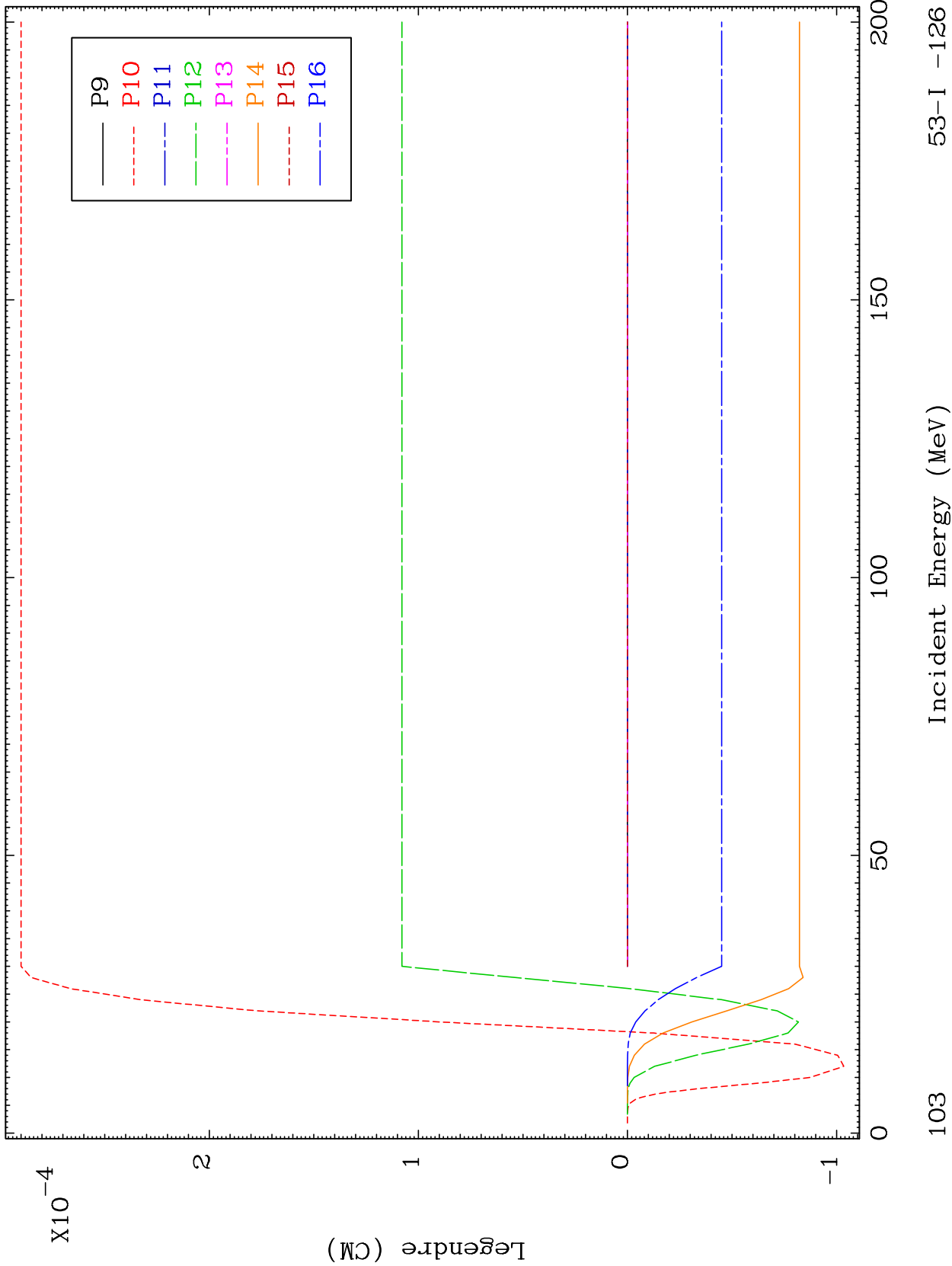
53-I -126



MAT 5322

MT= 74 (n,n') Level
Legendre Coefficients

53-I -126



53-I -126

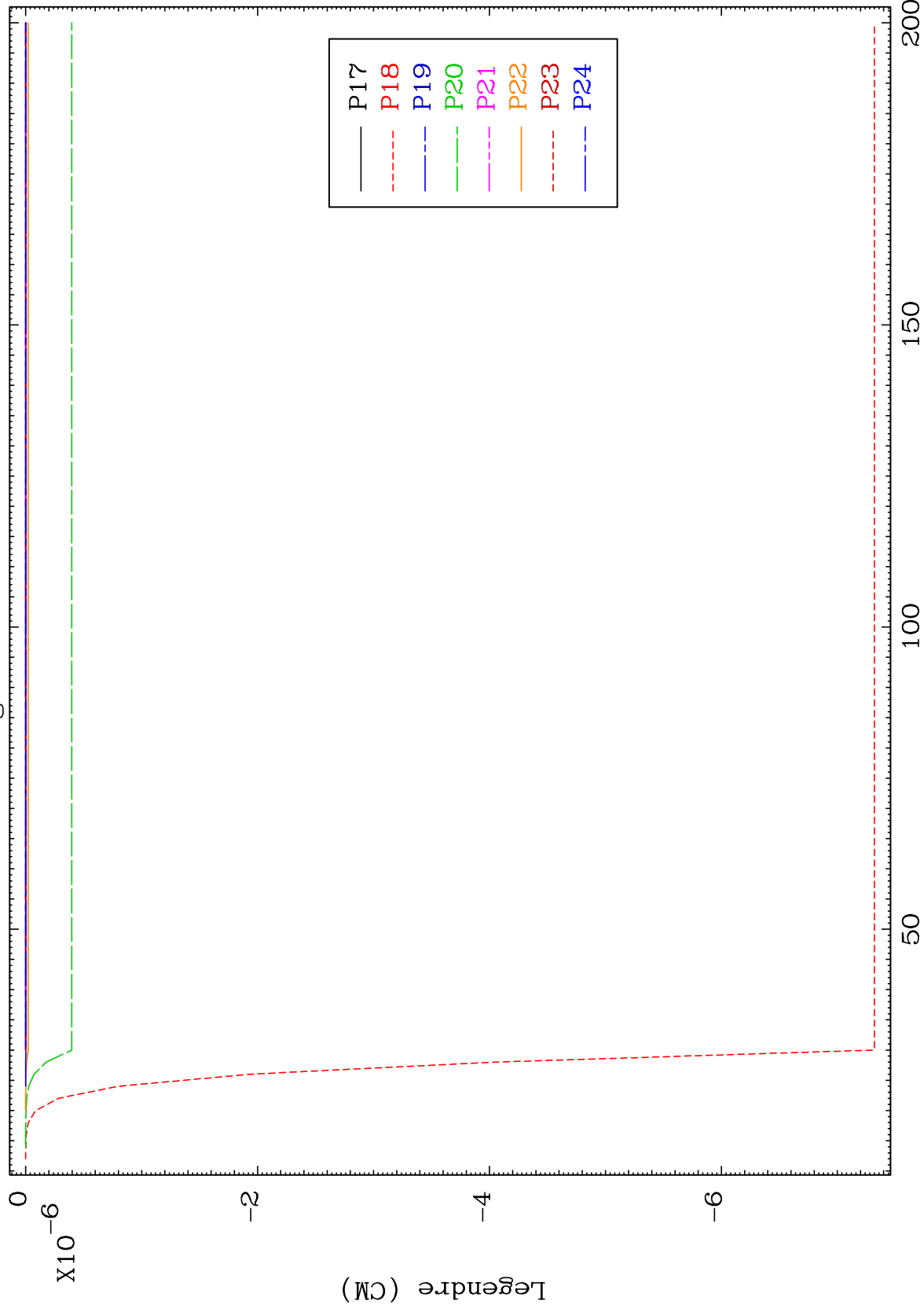
Incident Energy (MeV)

103

MAT 5322

MT= 74 (n,n') Level
Legendre Coefficients

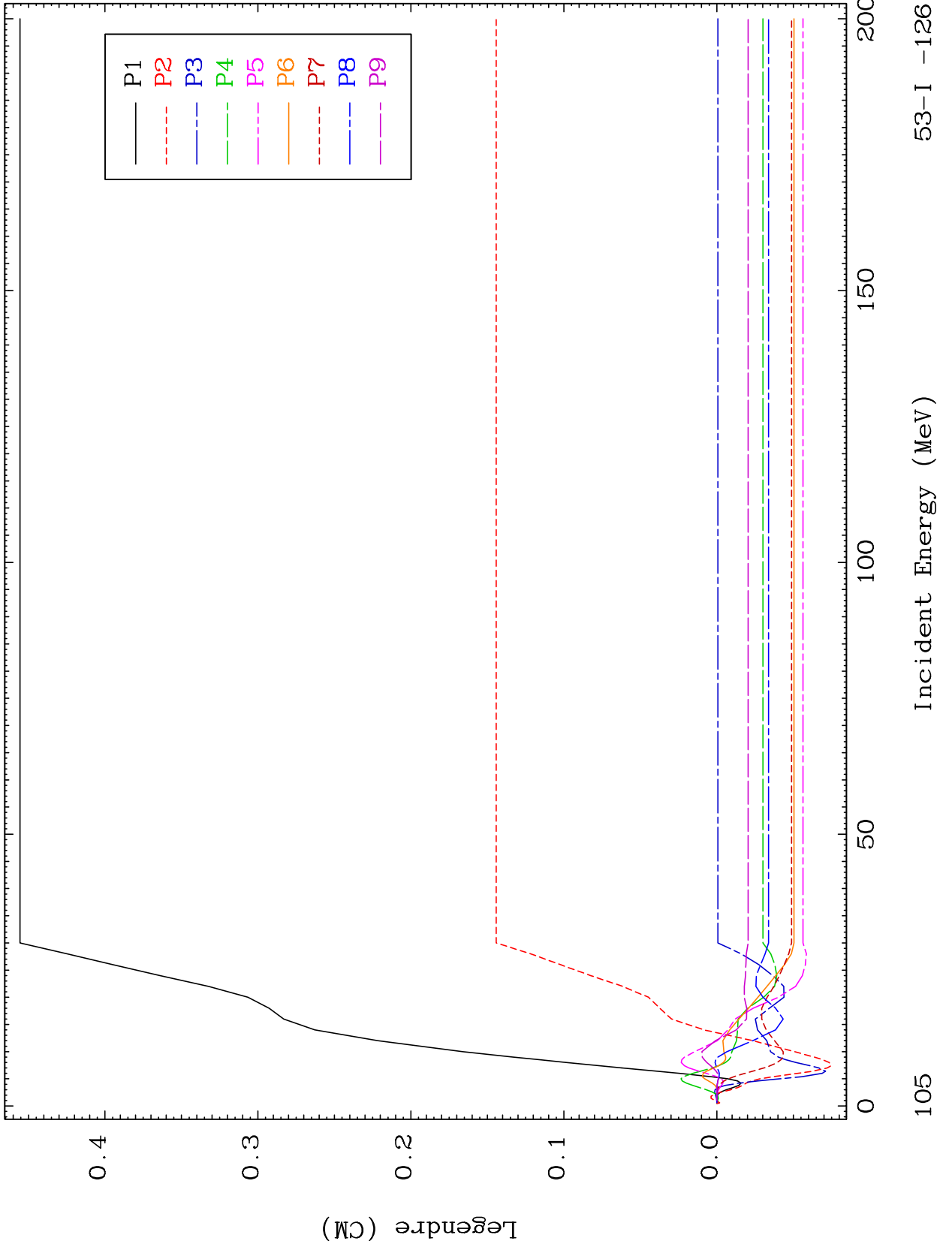
53-I -126



104

Incident Energy (MeV)

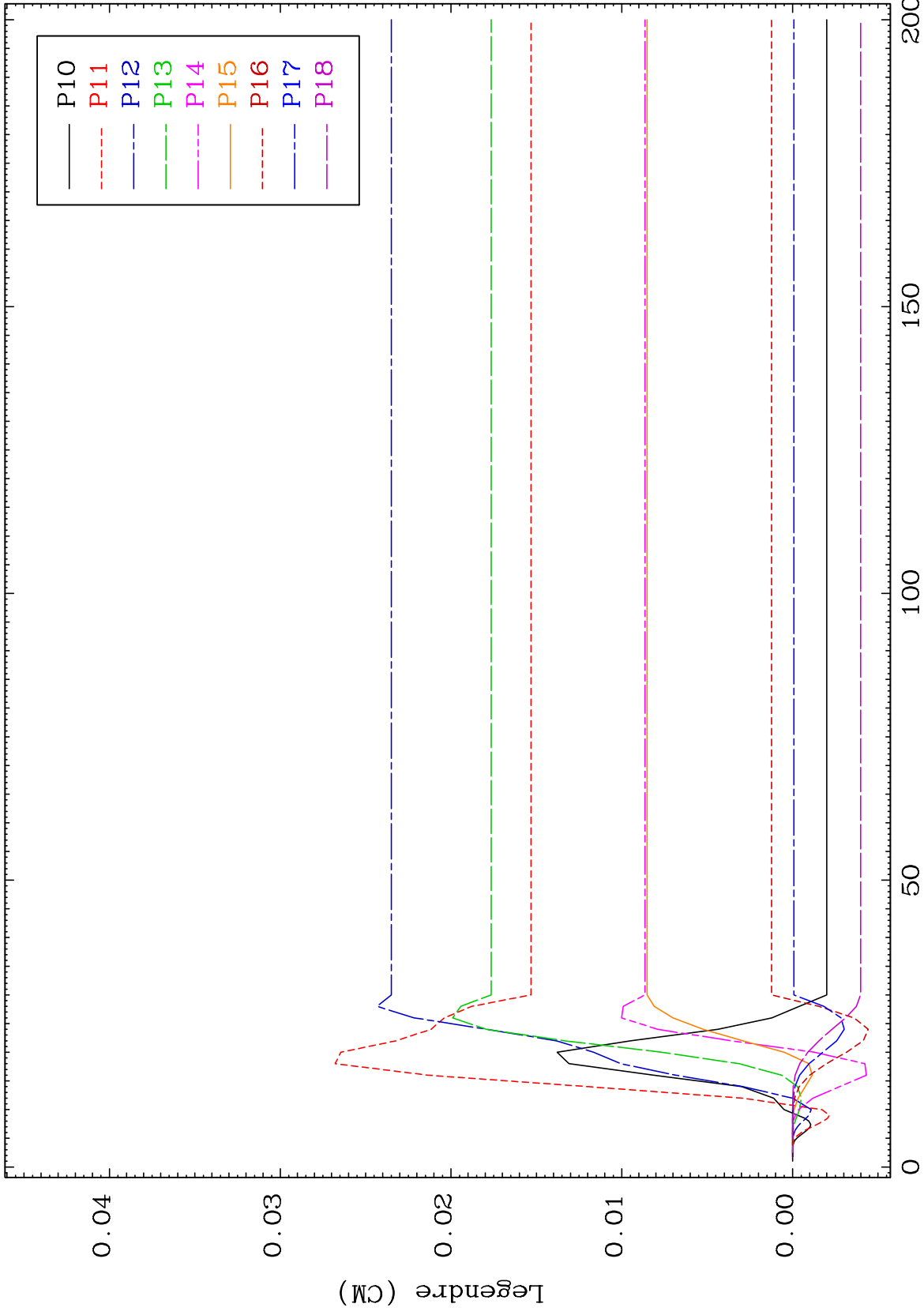
53-I -126



MAT 5322

MT= 75 (n,n') Level
Legendre Coefficients

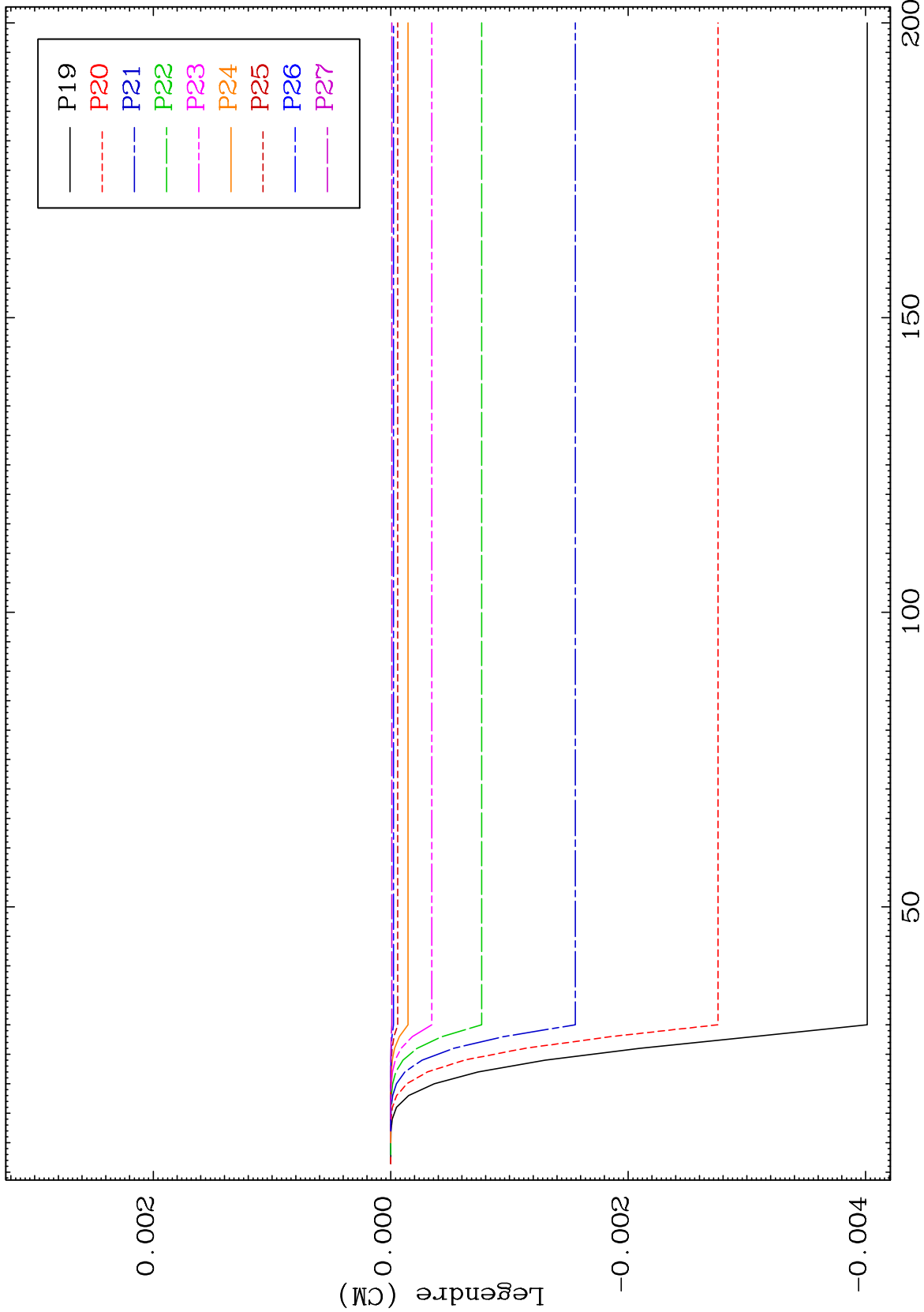
53-I -126



106

Incident Energy (MeV)

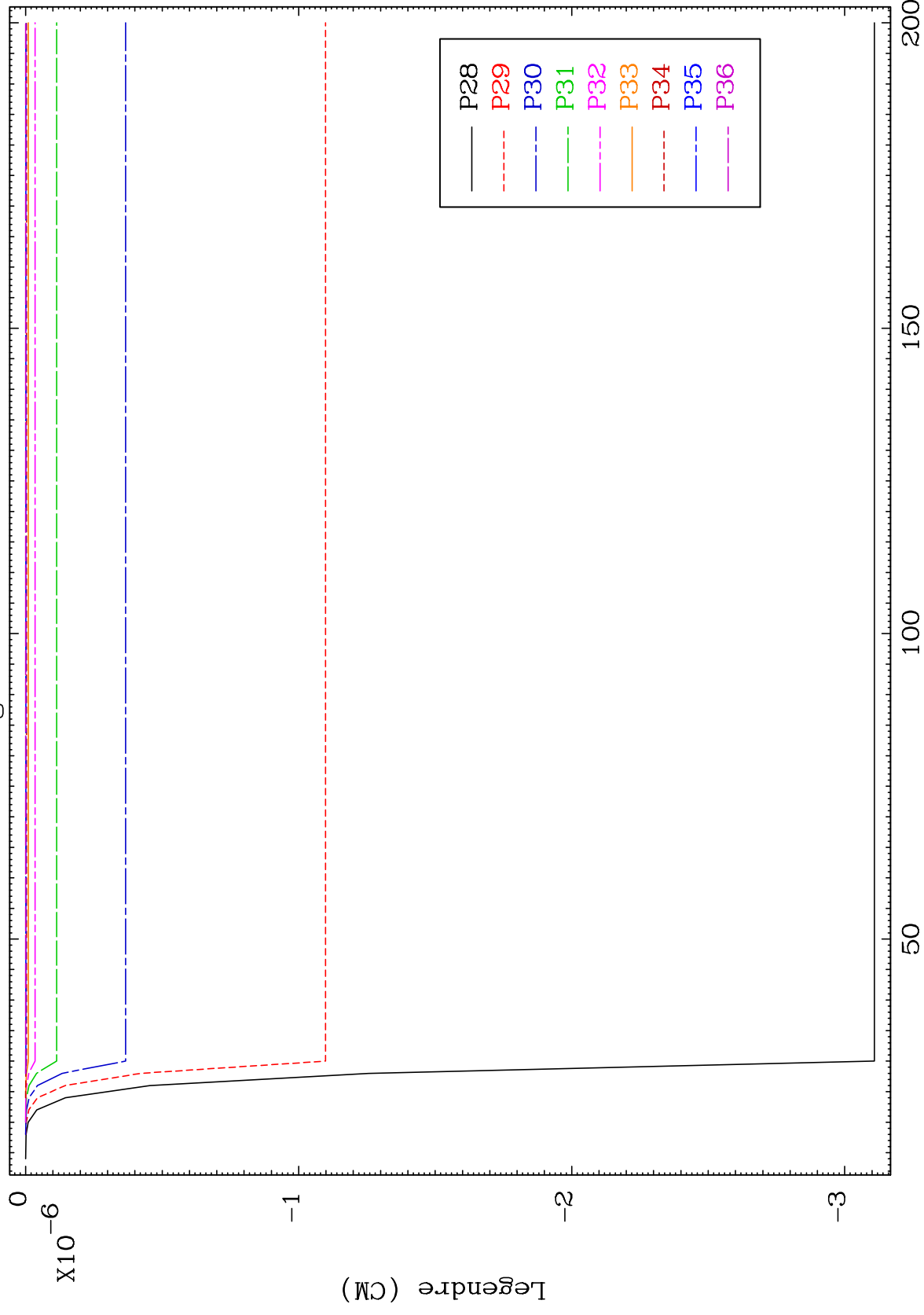
53-I -126



MAT 5322

MT= 75 (n,n') Level
Legendre Coefficients

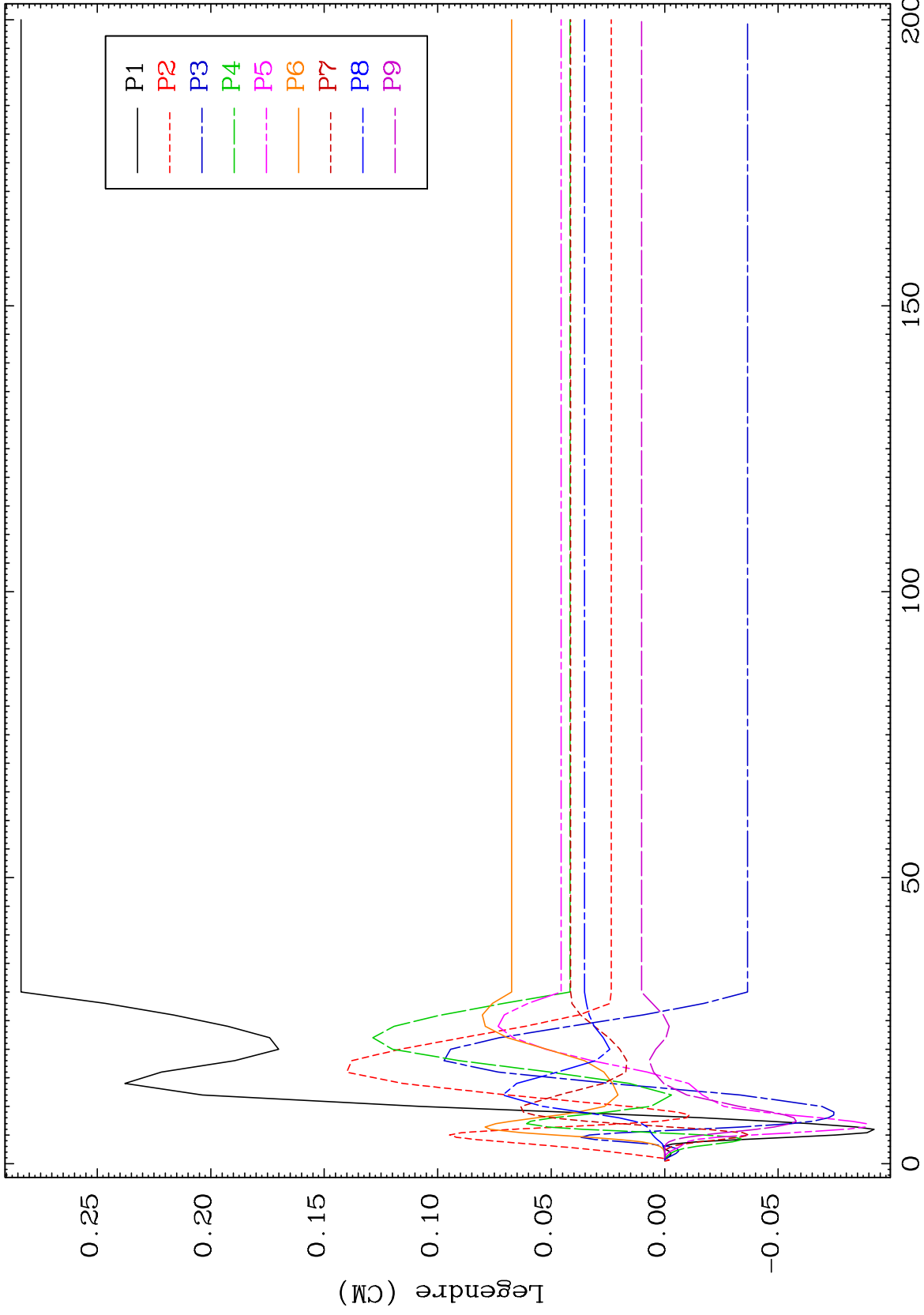
53-I -126



108

Incident Energy (MeV)

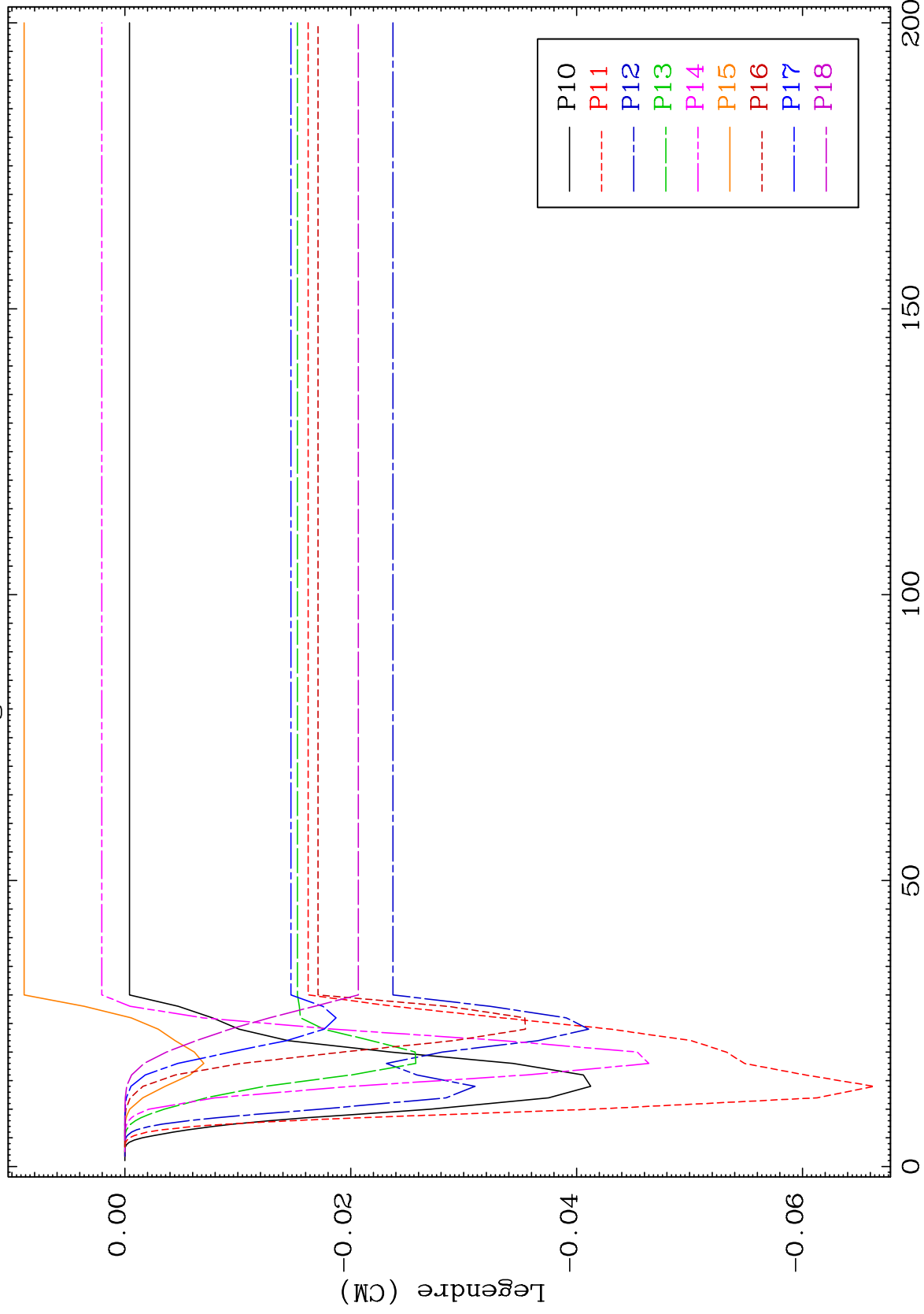
53-I -126



MAT 5322

MT= 76 (n,n') Level
Legendre Coefficients

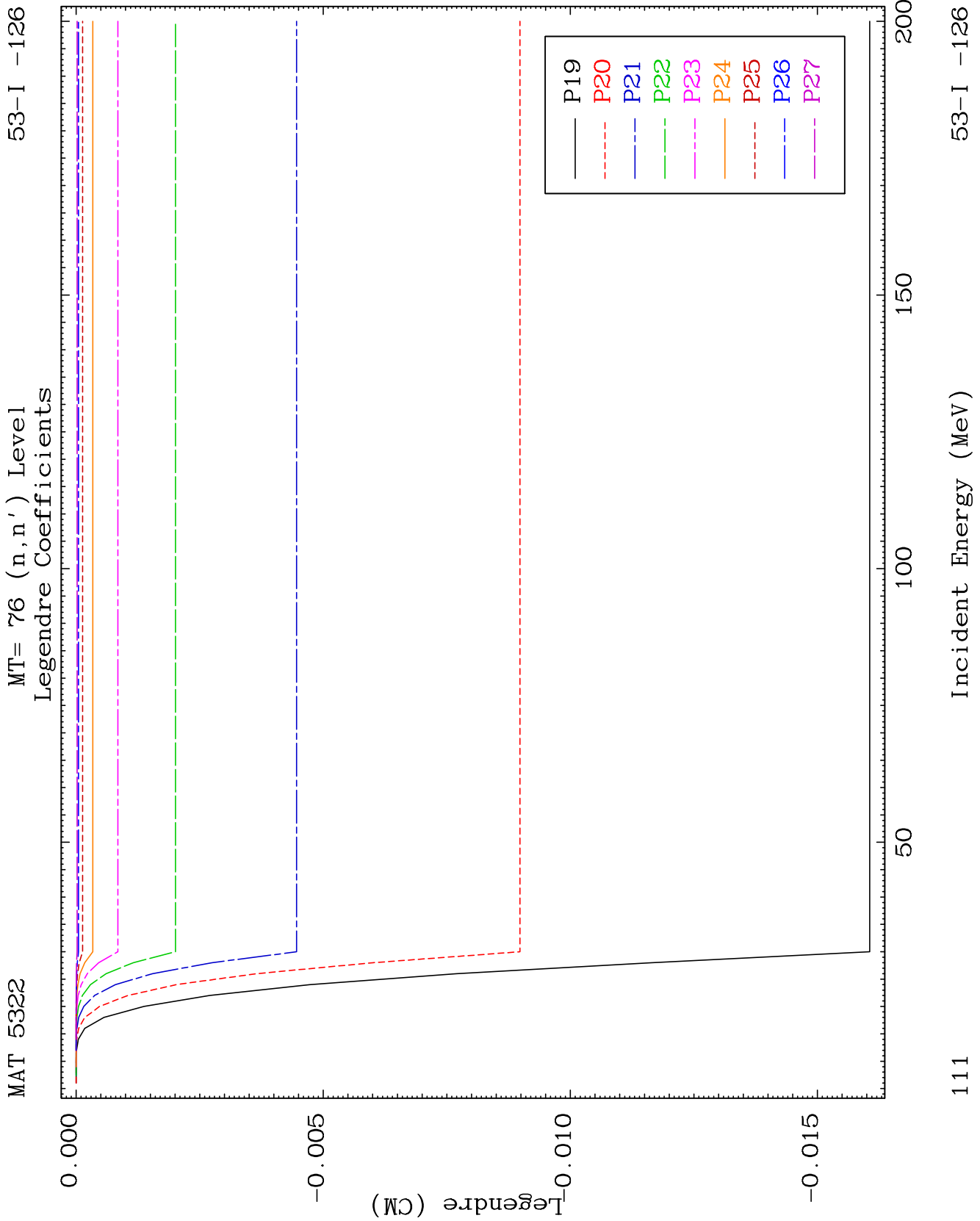
53-I -126



53-I -126

Incident Energy (MeV)

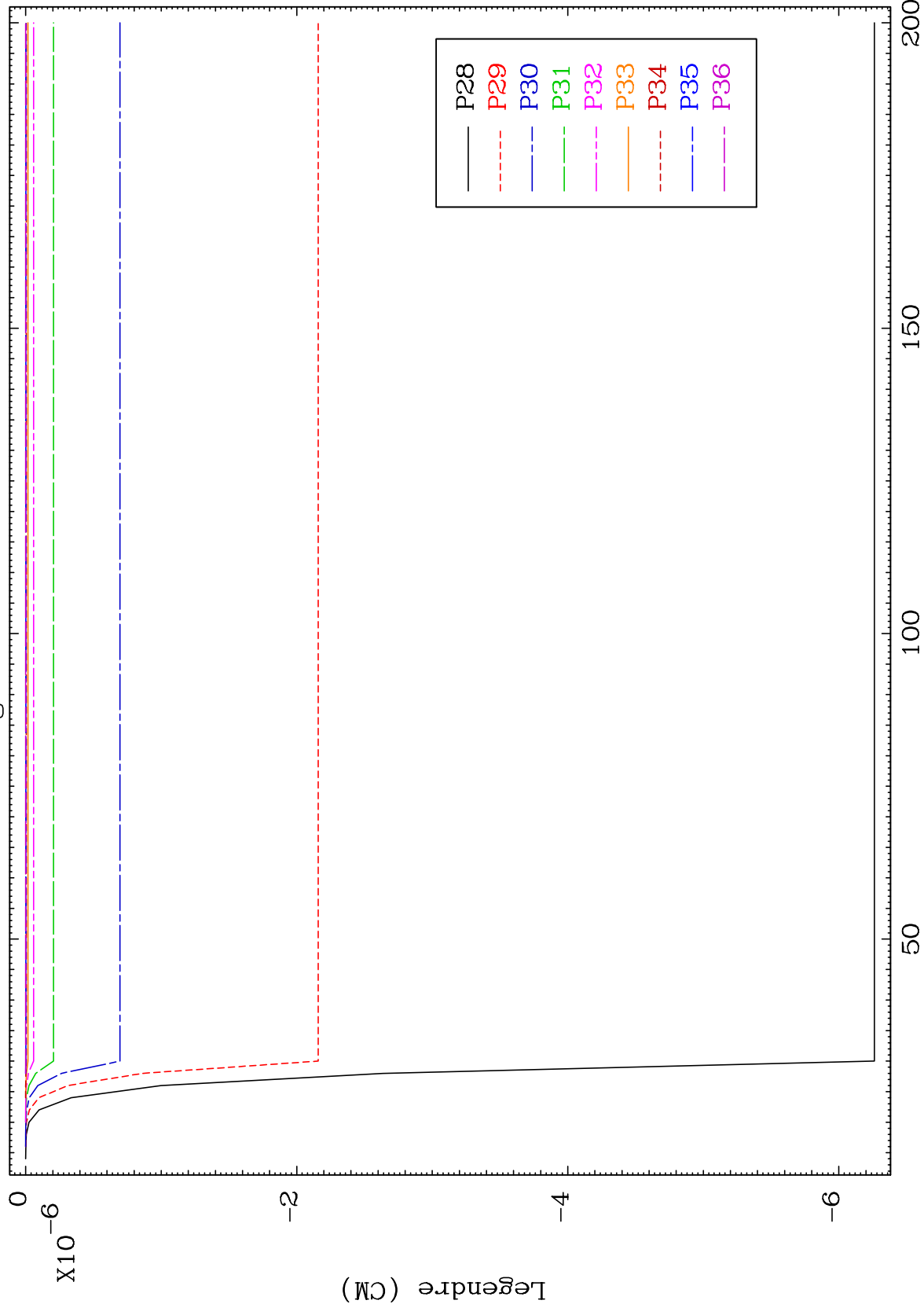
110



MAT 5322

MT= 76 (n,n') Level
Legendre Coefficients

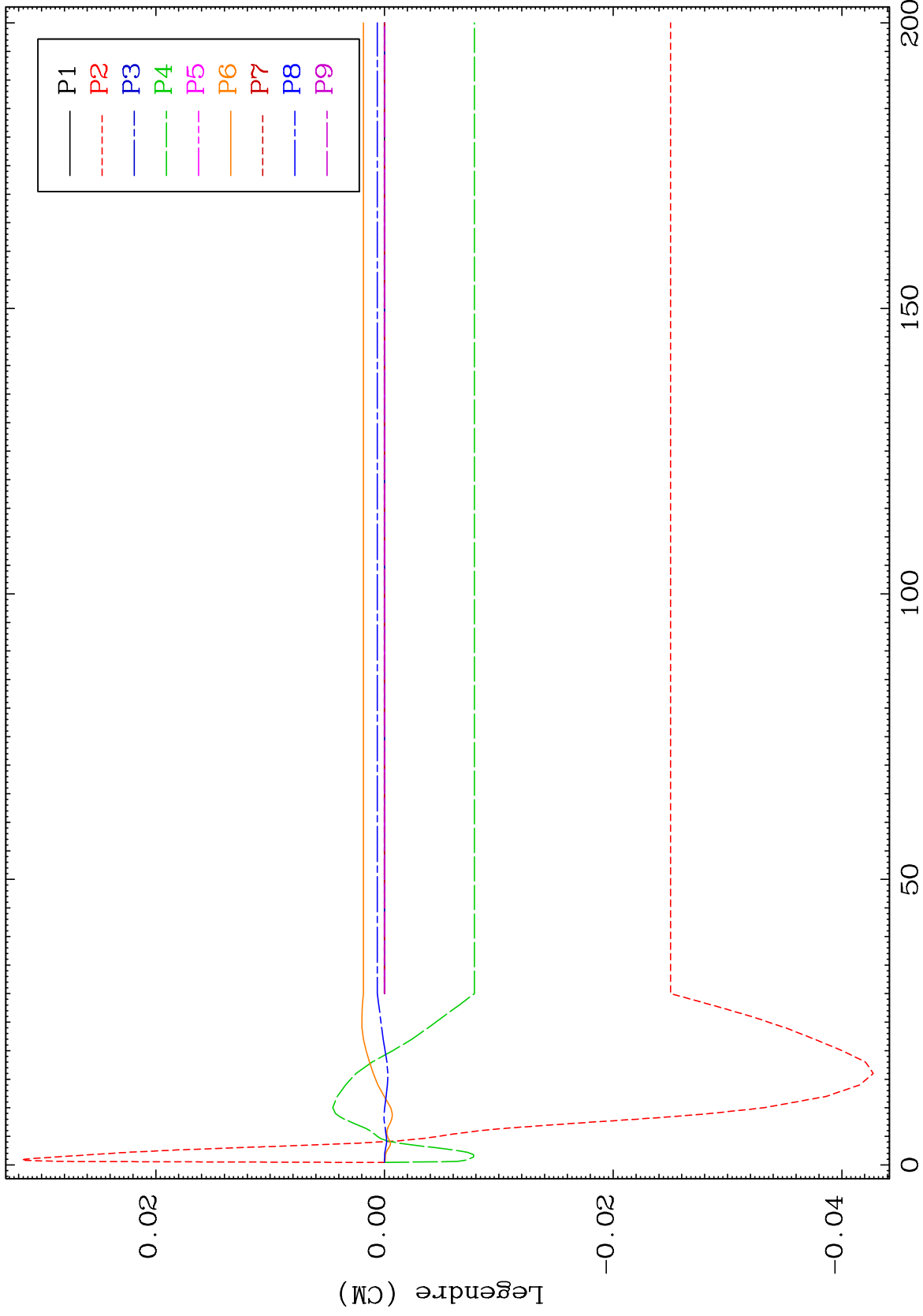
53-I -126

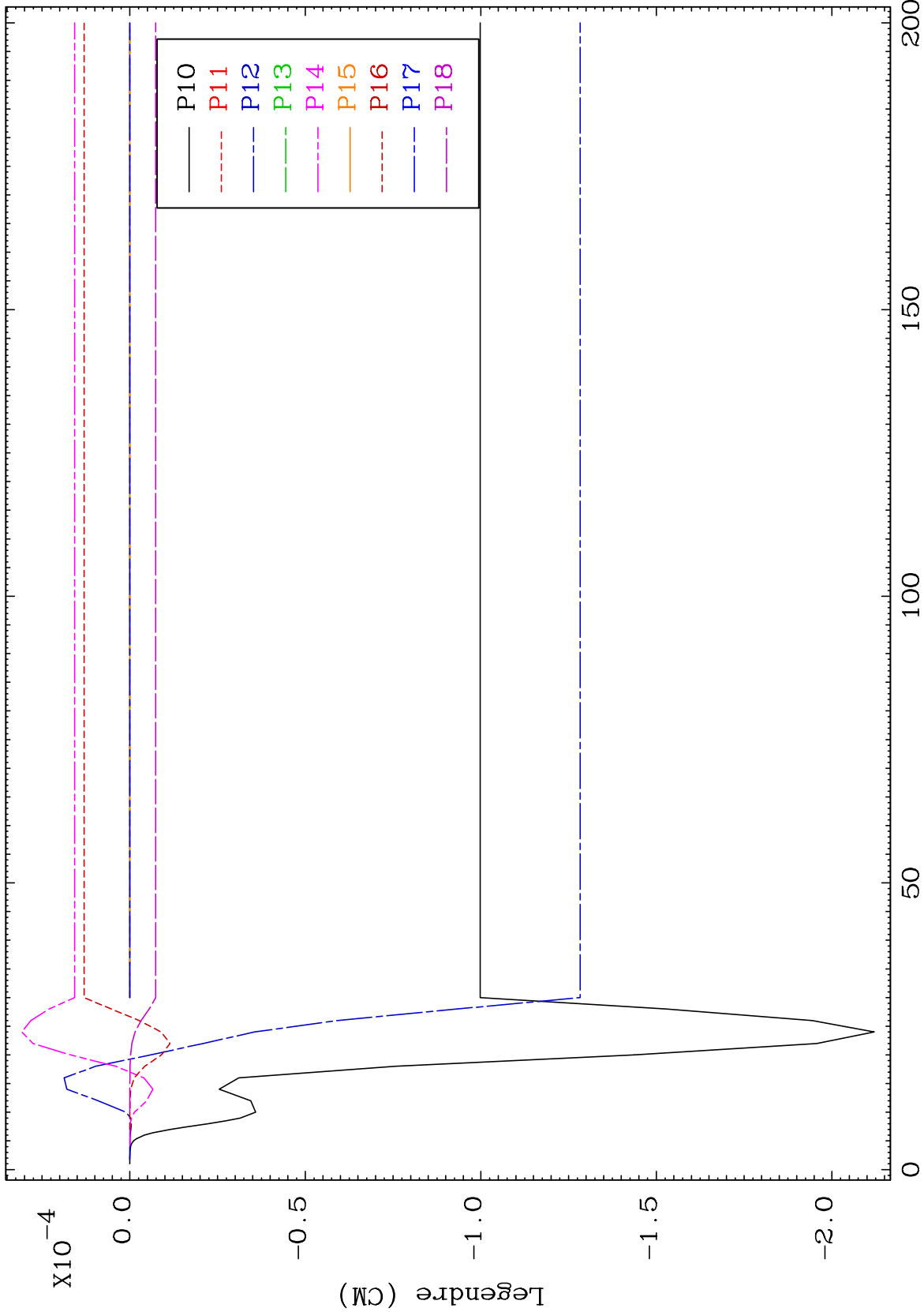


112

Incident Energy (MeV)

53-I -126

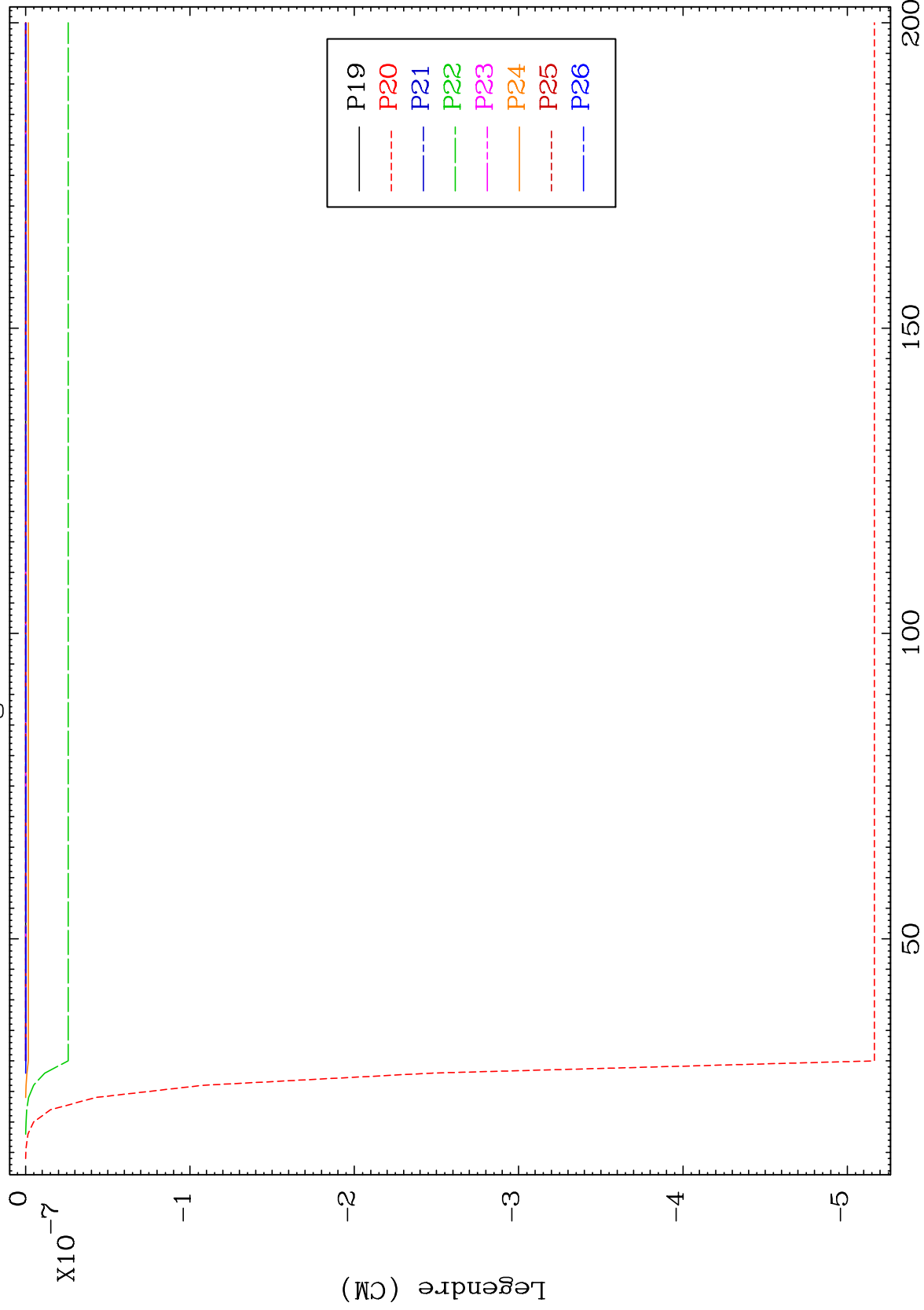




MAT 5322

MT= 77 (n,n') Level
Legendre Coefficients

53-I -126



115

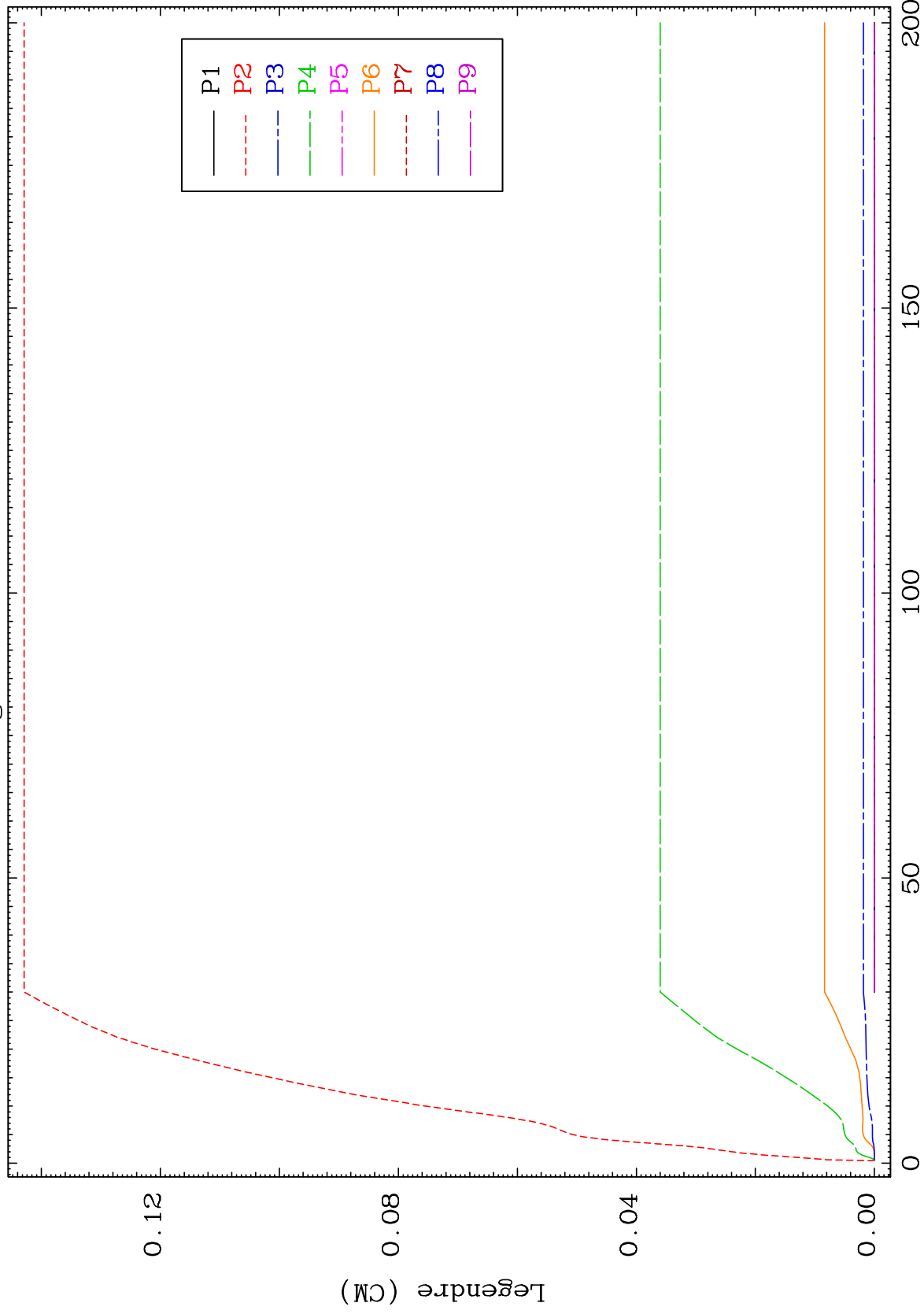
Incident Energy (MeV)

53-I -126

MAT 5322

MT= 78 (n,n') Level
Legendre Coefficients

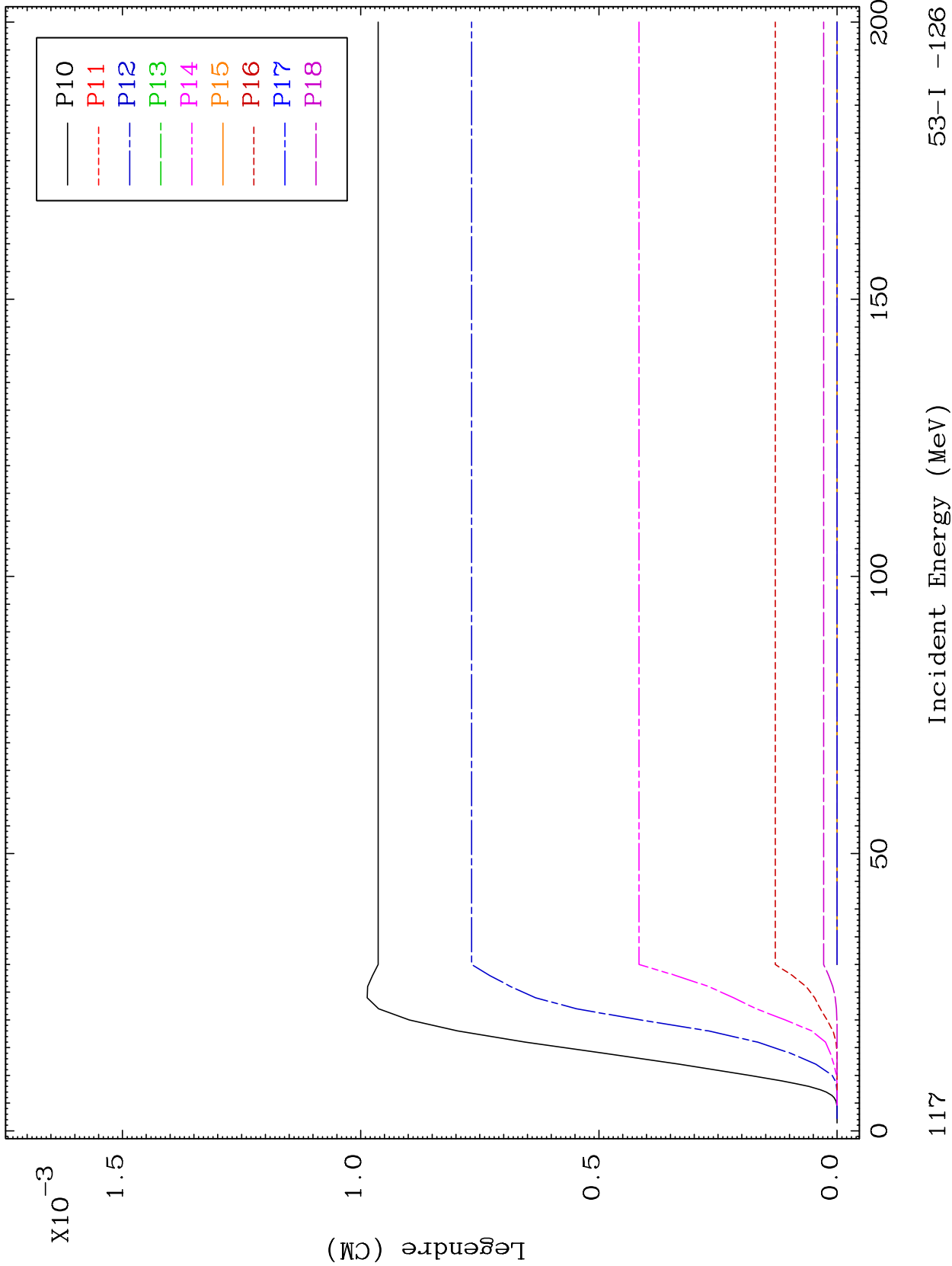
53-I -126



53-I -126

Incident Energy (MeV)

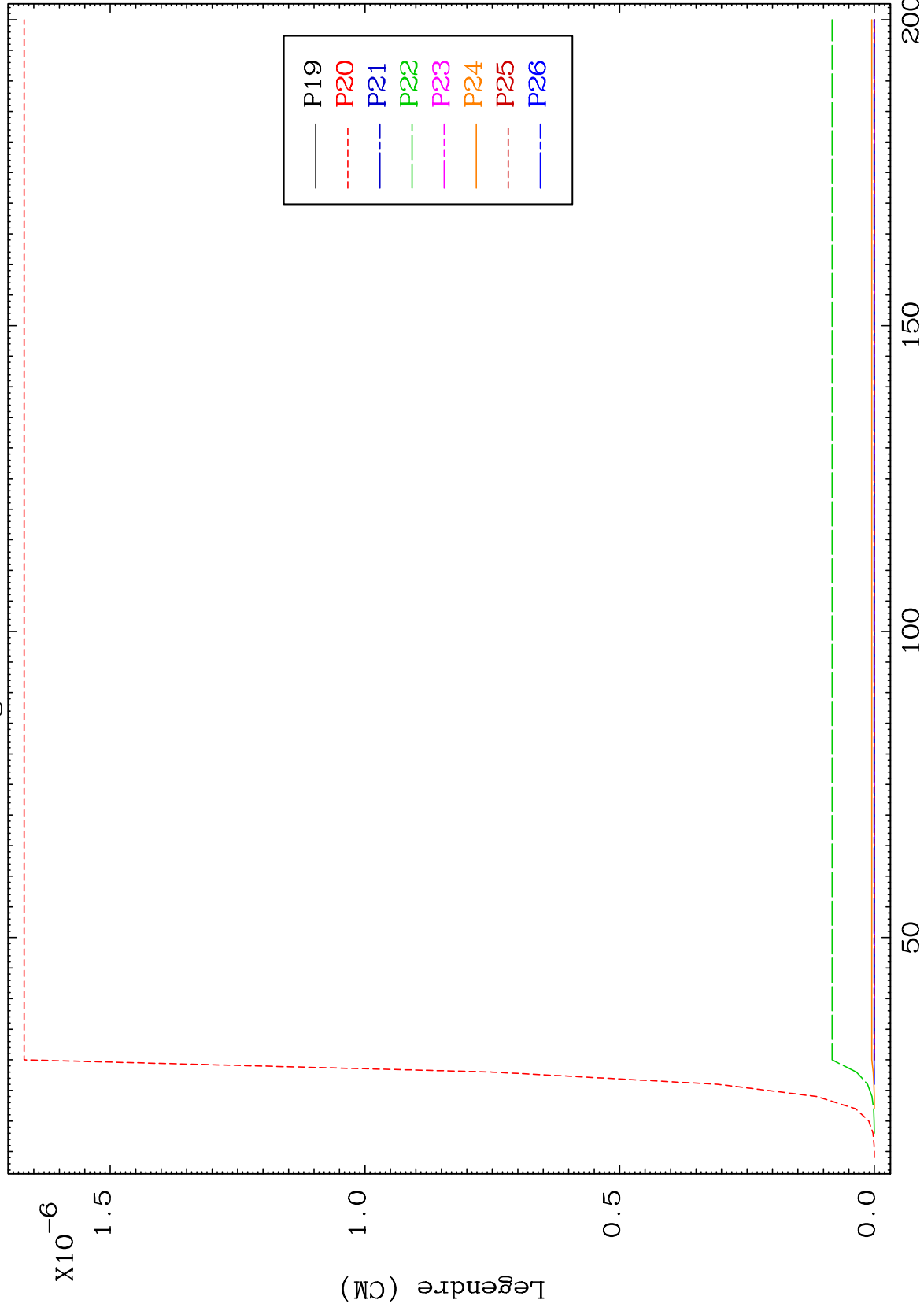
116



MAT 5322

MT= 78 (n,n') Level
Legendre Coefficients

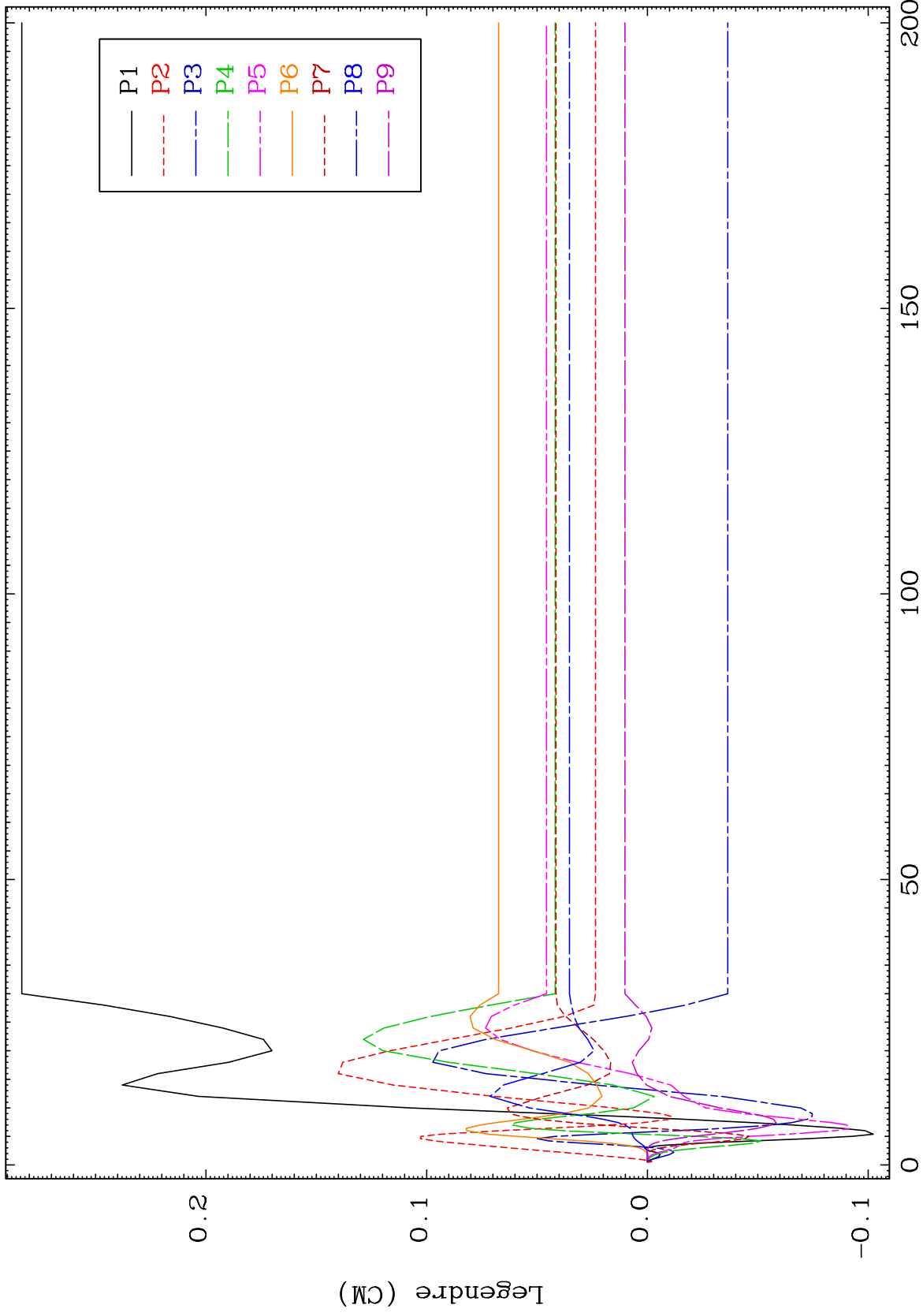
53-I -126



118

Incident Energy (MeV)

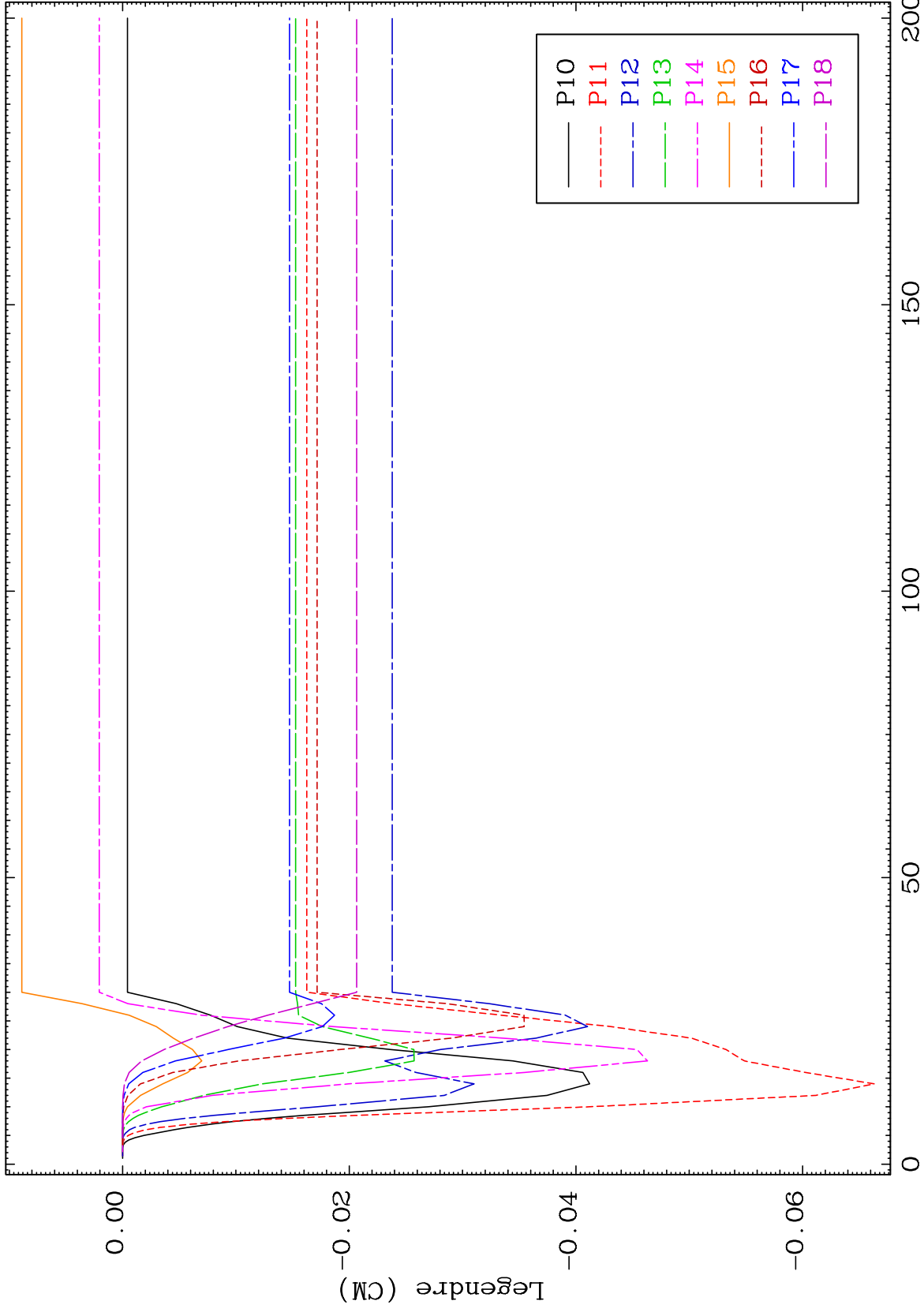
53-I -126



MAT 5322

MT= 79 (n,n') Level
Legendre Coefficients

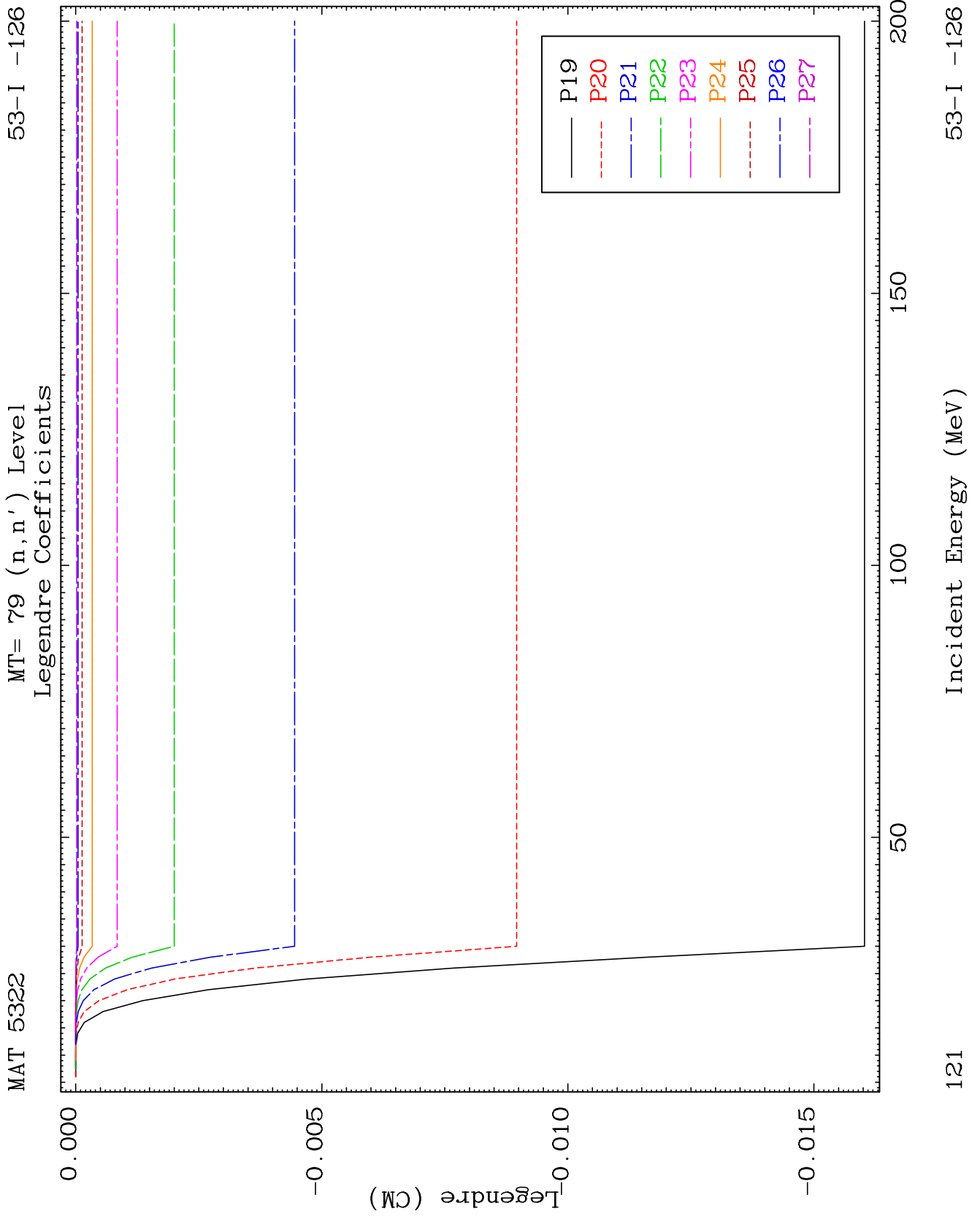
53-I -126

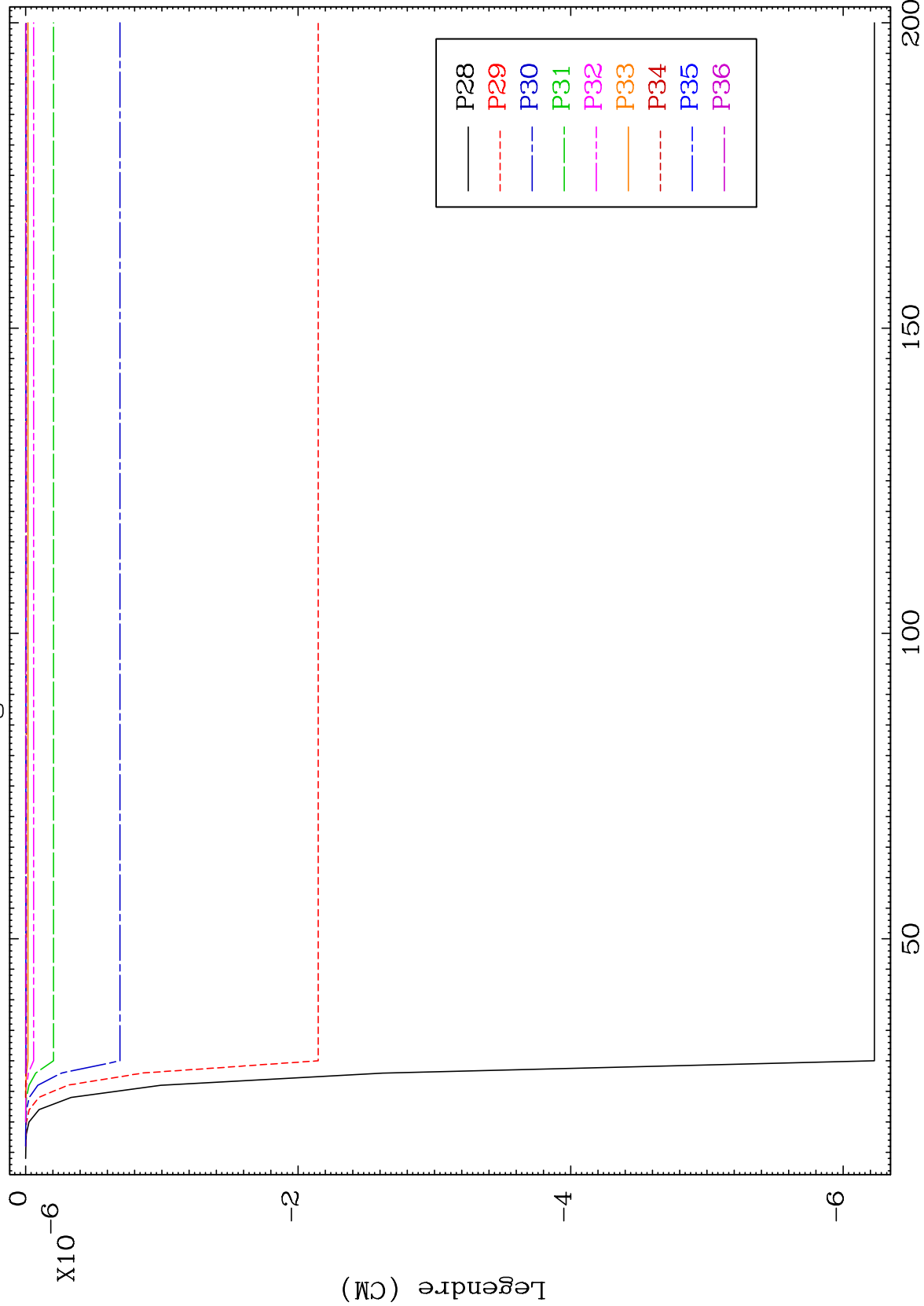


120

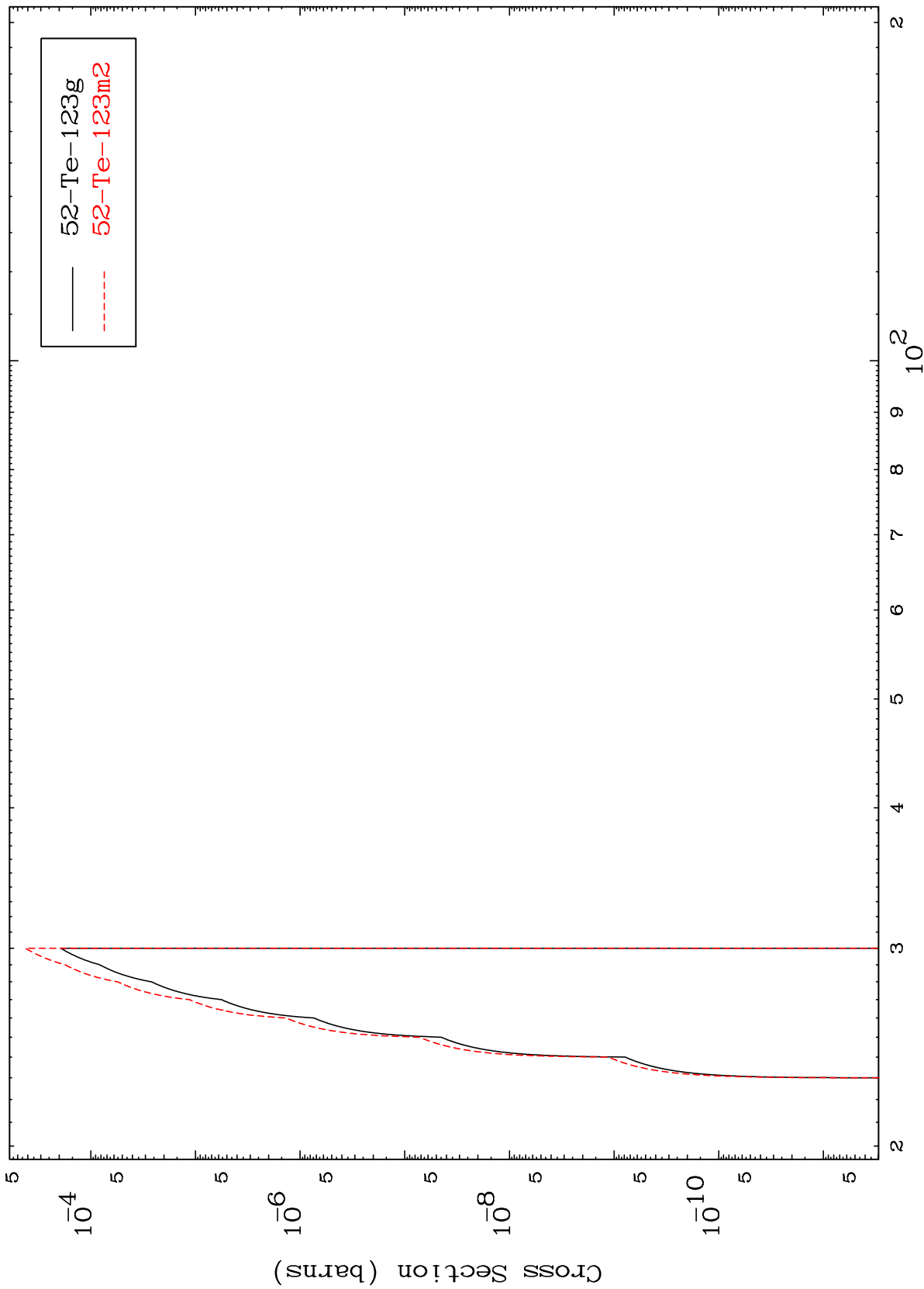
Incident Energy (MeV)

53-I -126





Radionuclide Production Cross Section

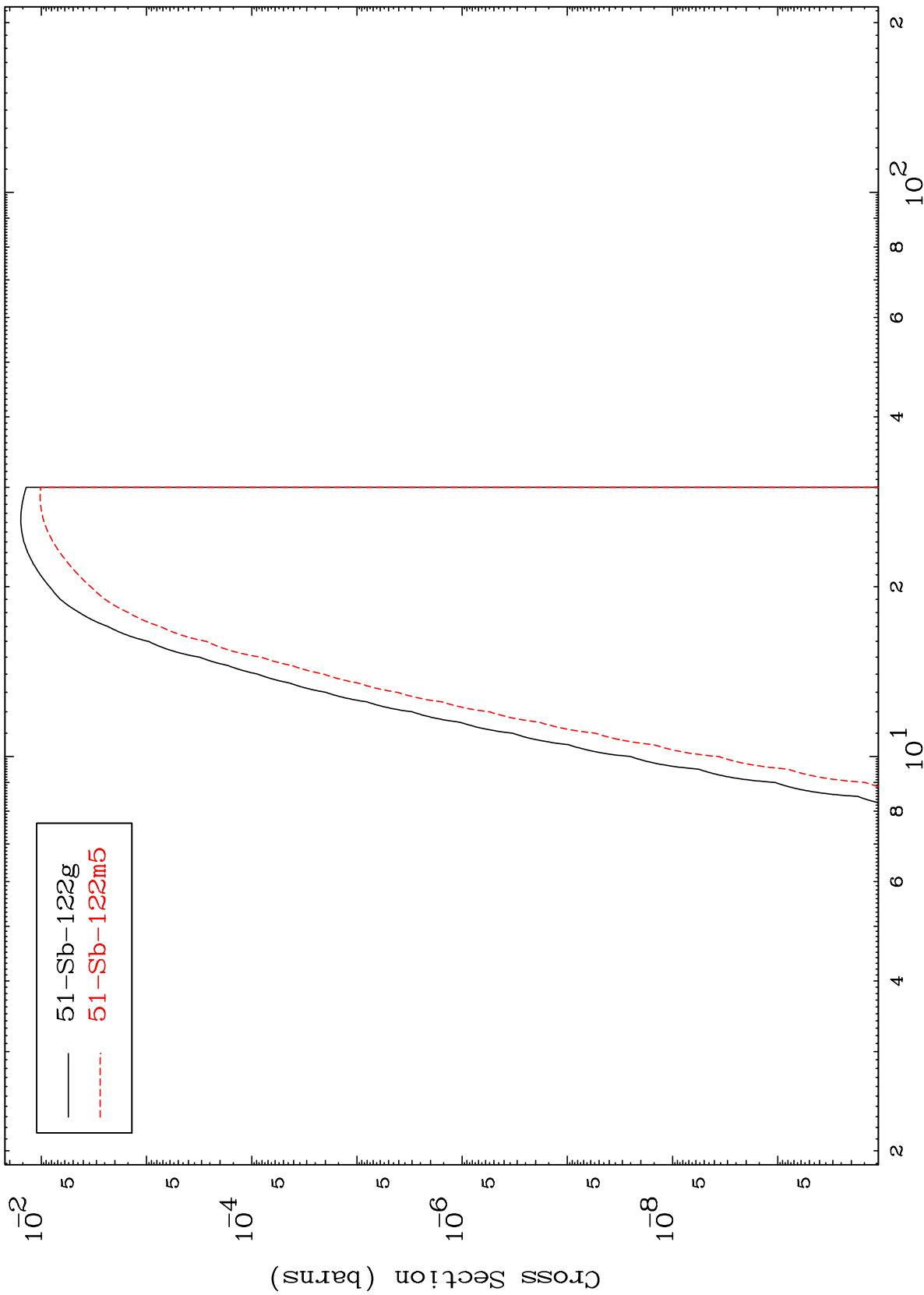


MAT 5322

(n,n') α

53-I -126

Radionuclide Production Cross Section



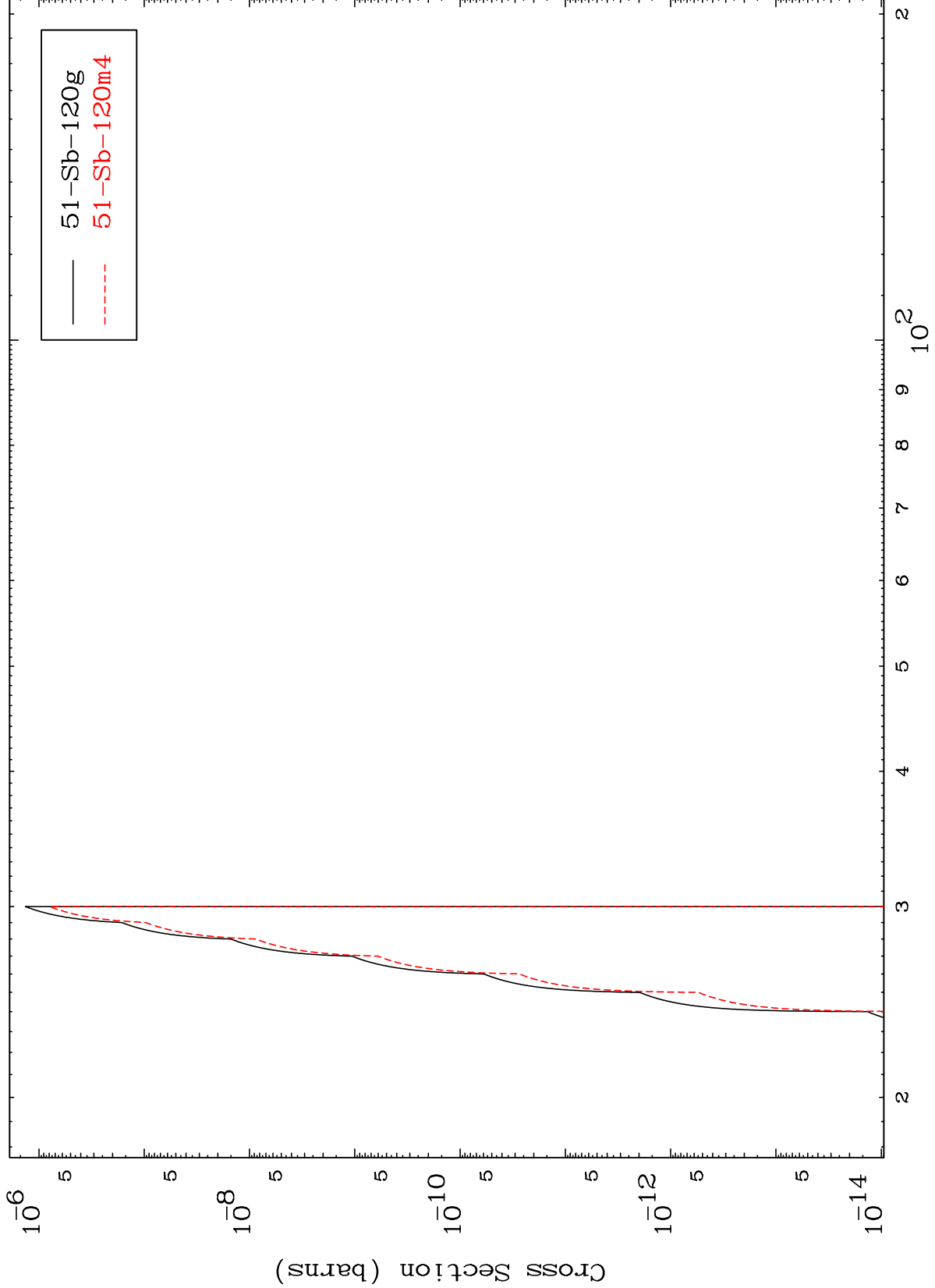
— 51-Sb-122g
- - - 51-Sb-122m5

124

Incident Energy (MeV)

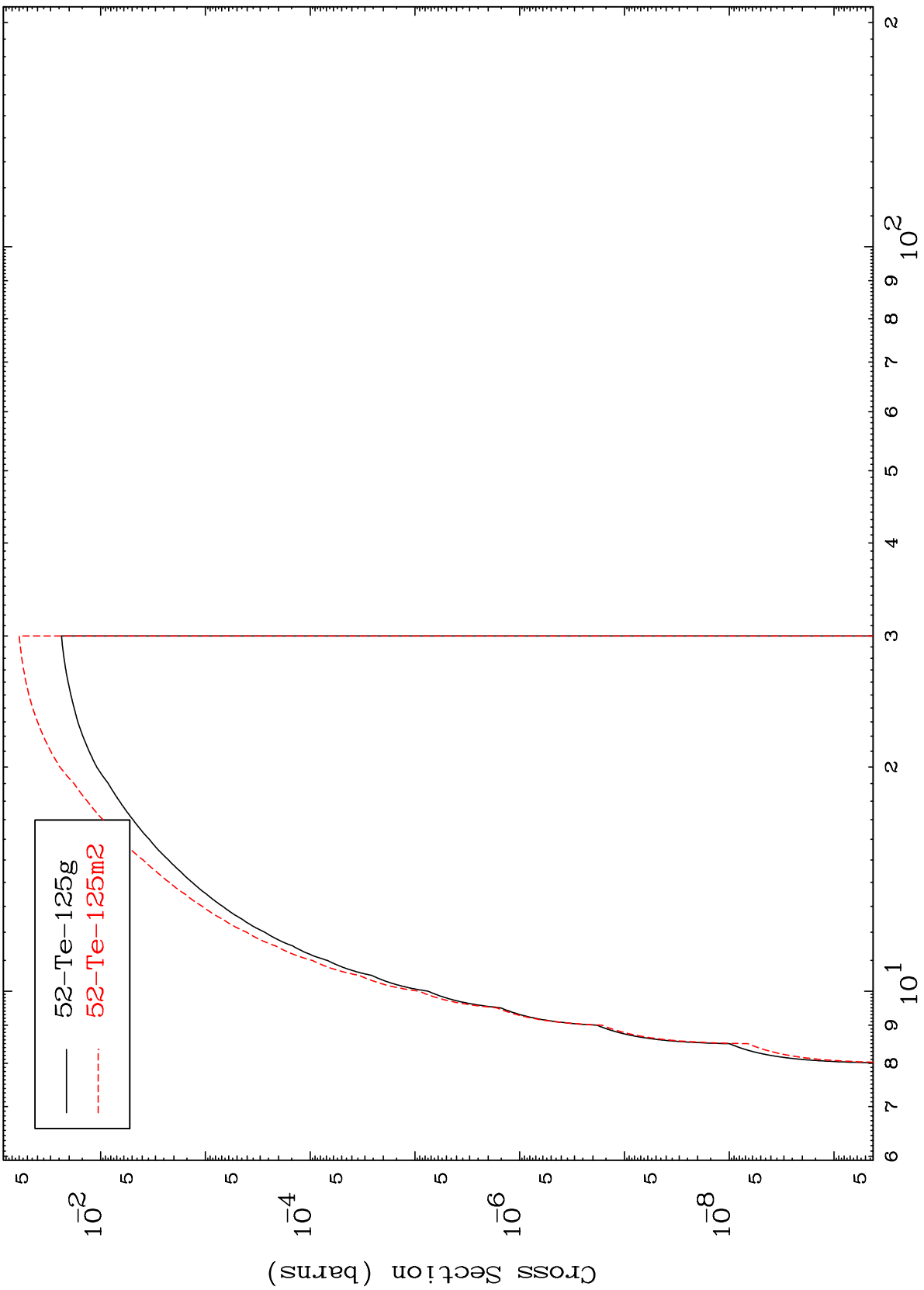
53-I -126

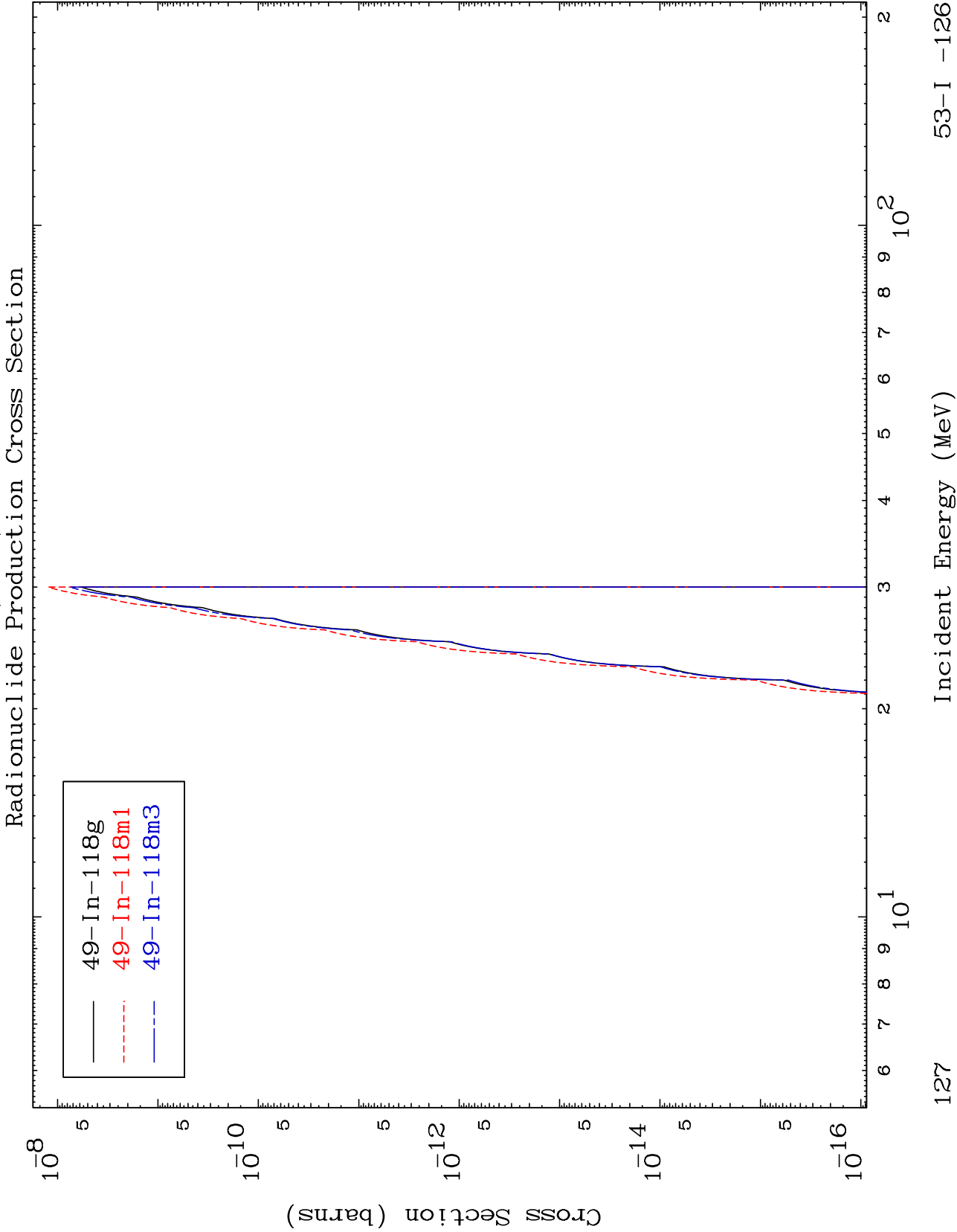
Radionuclide Production Cross Section

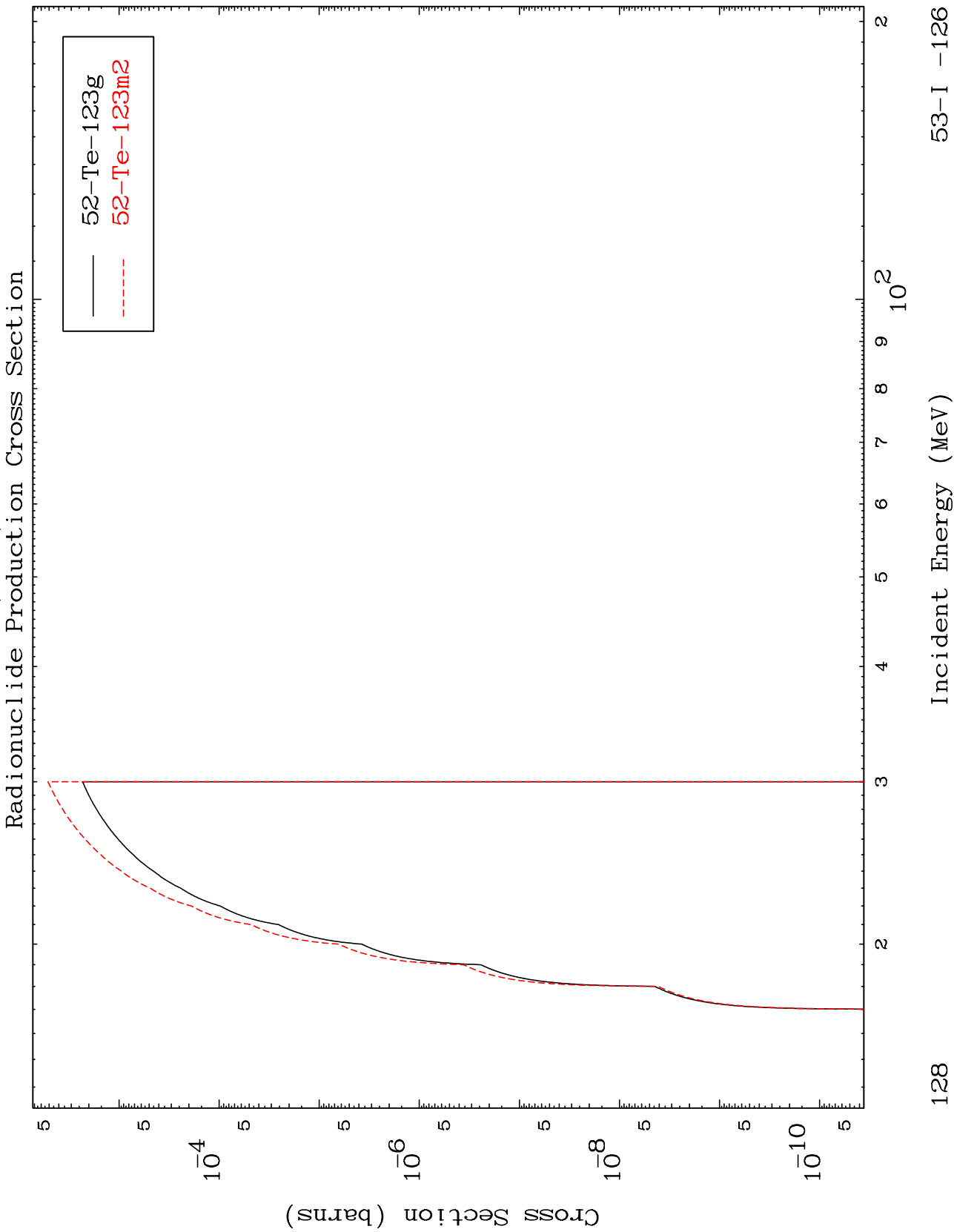


51-Sb-120g
51-Sb-120m4

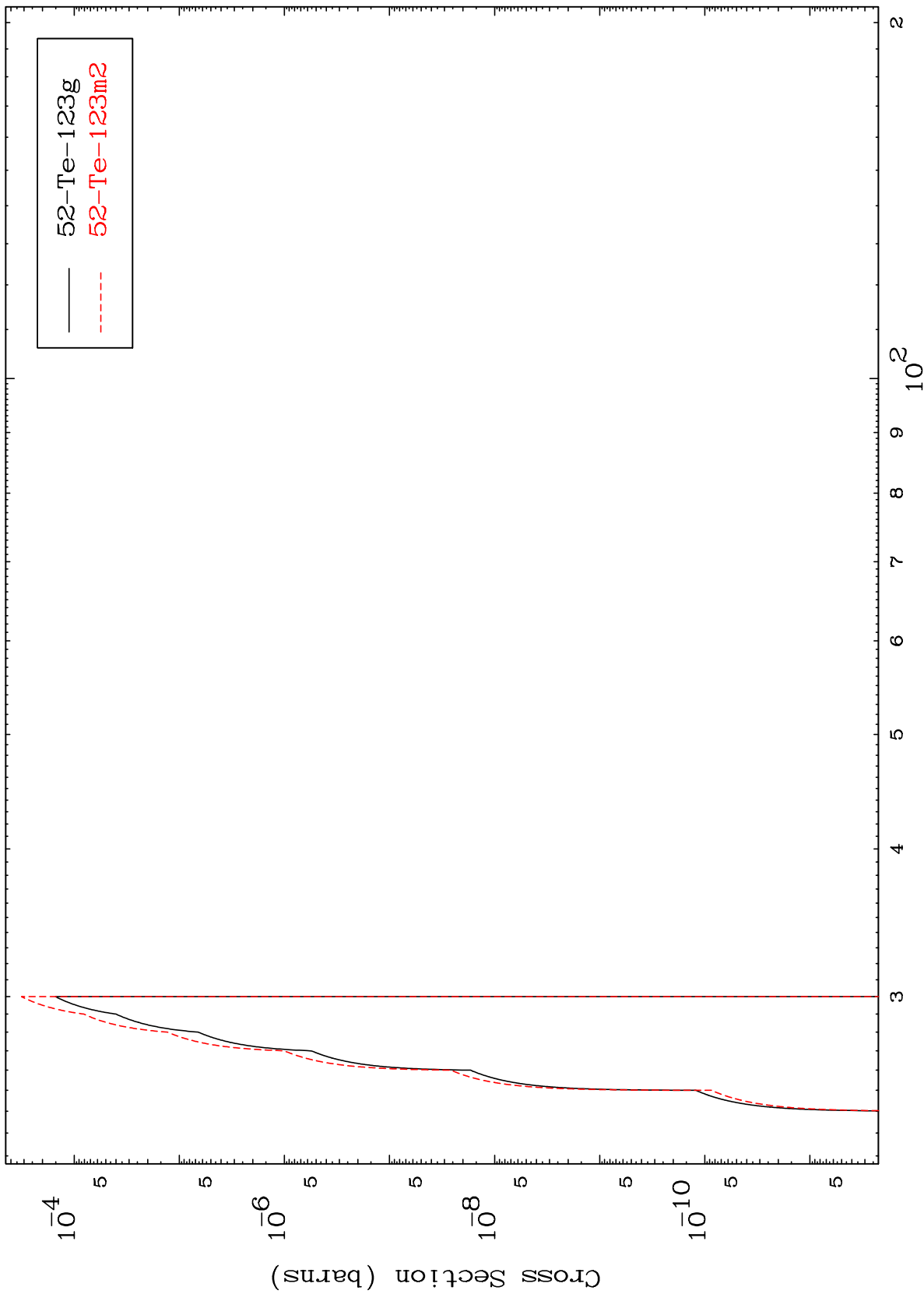
Radionuclide Production Cross Section



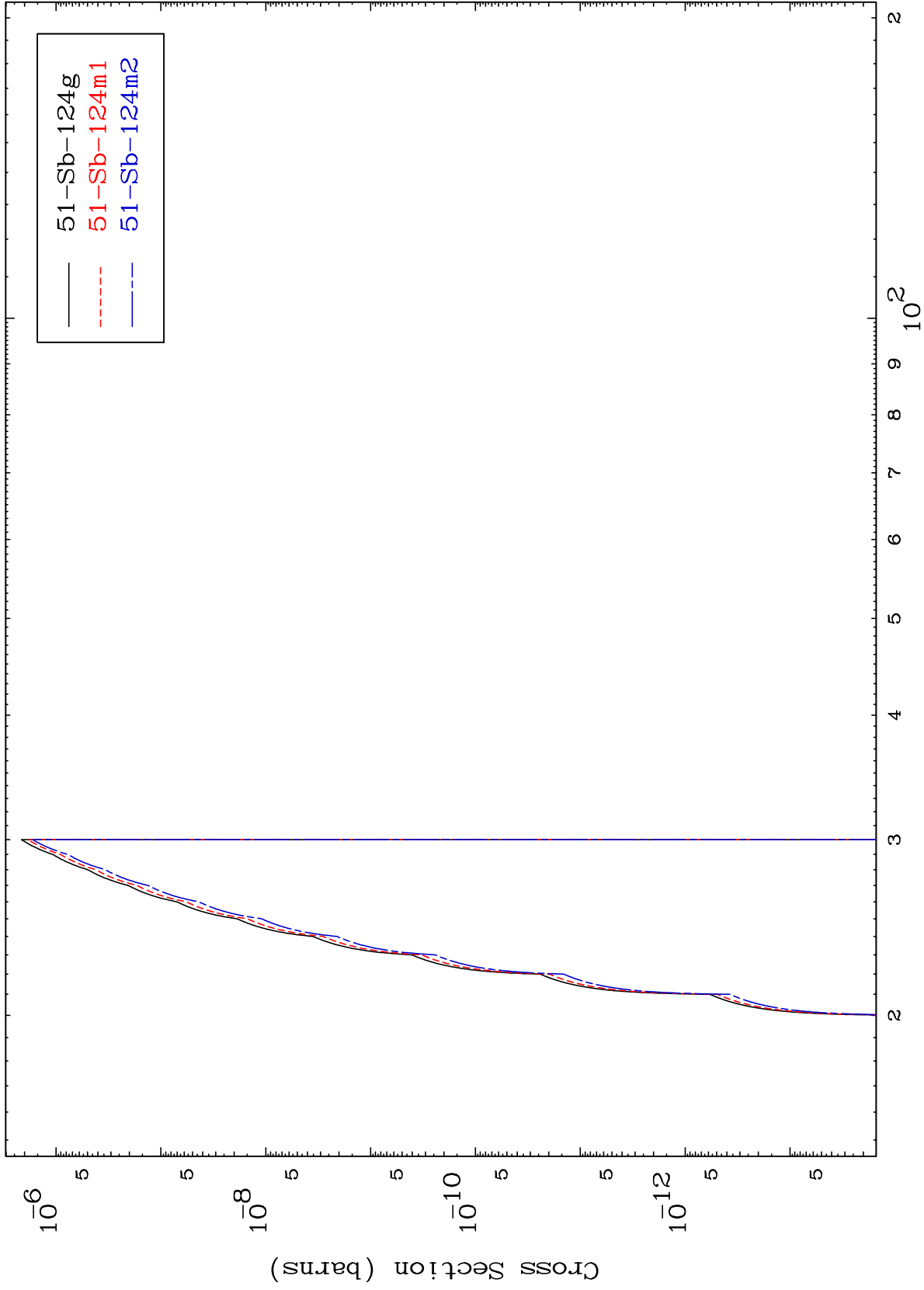




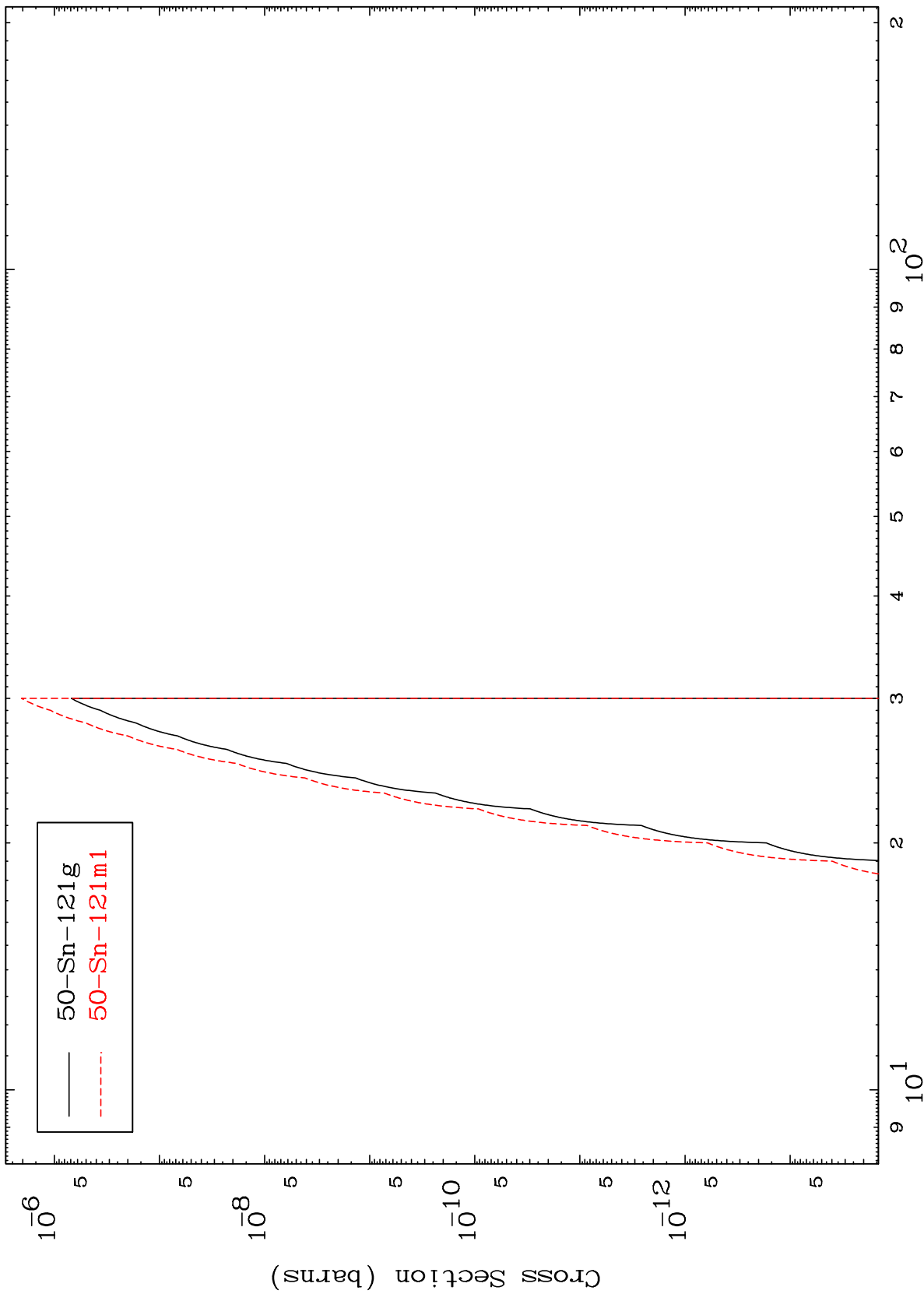
Radionuclide Production Cross Section



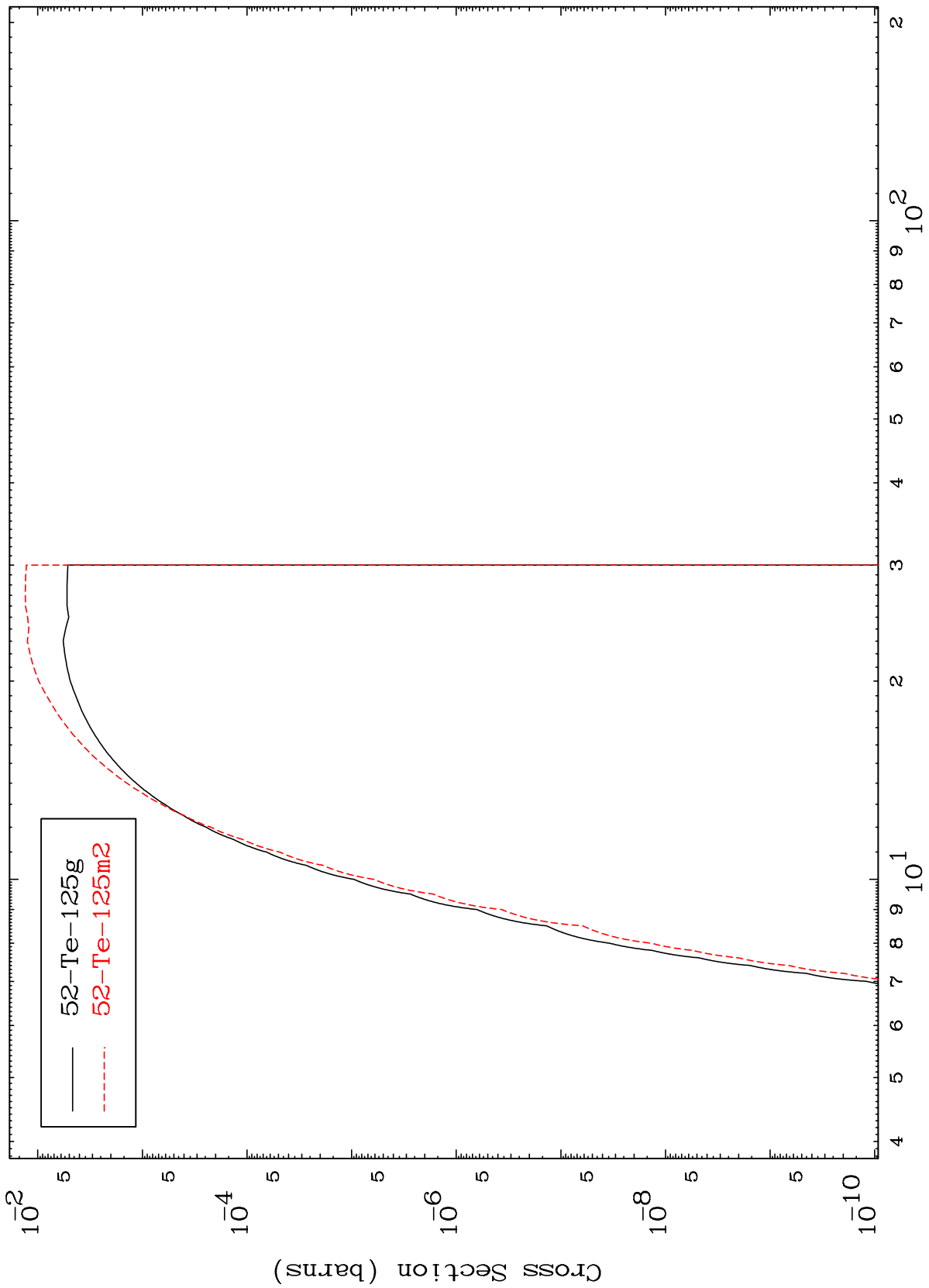
Radionuclide Production Cross Section

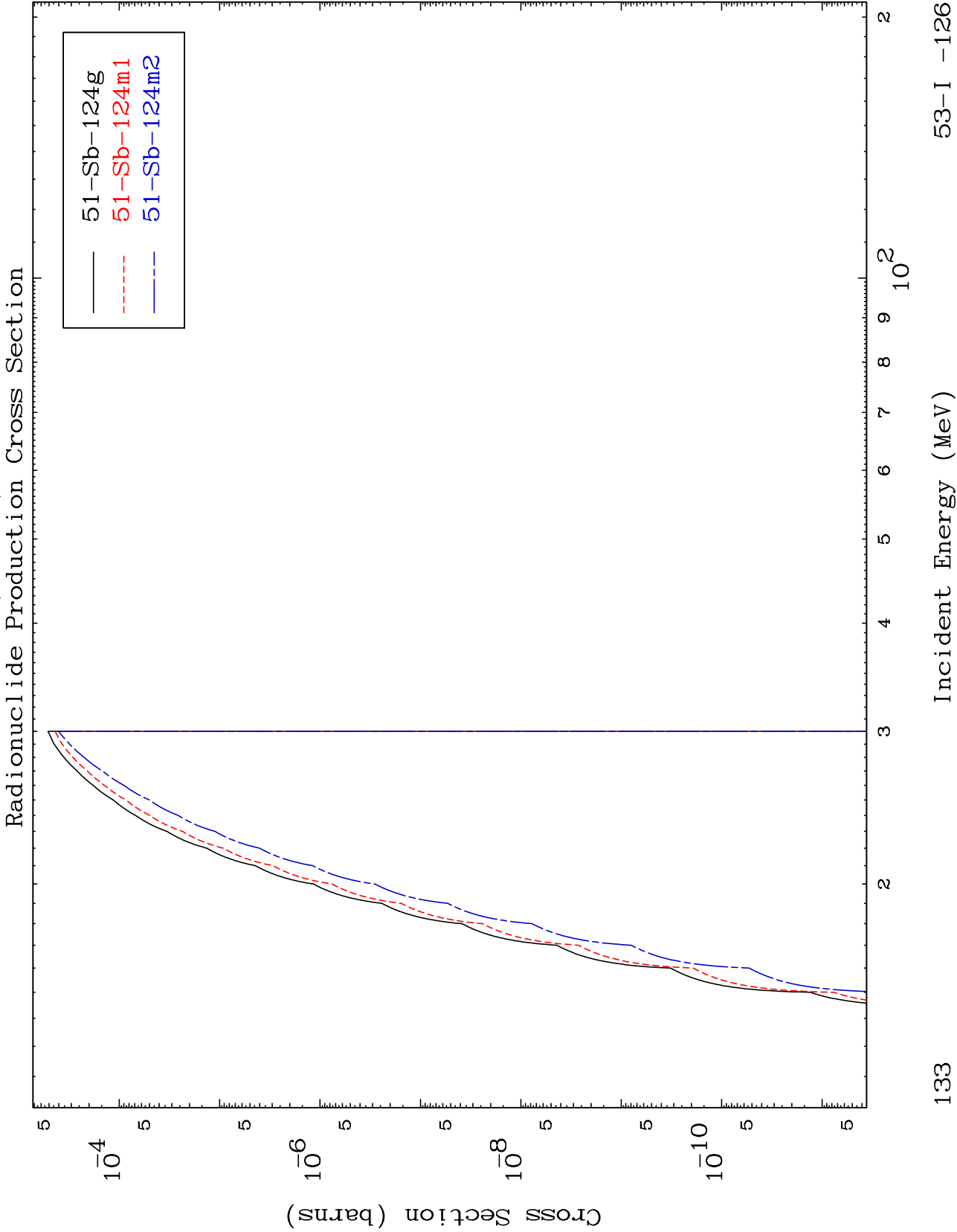


Radionuclide Production Cross Section



(n,d)
Radionuclide Production Cross Section



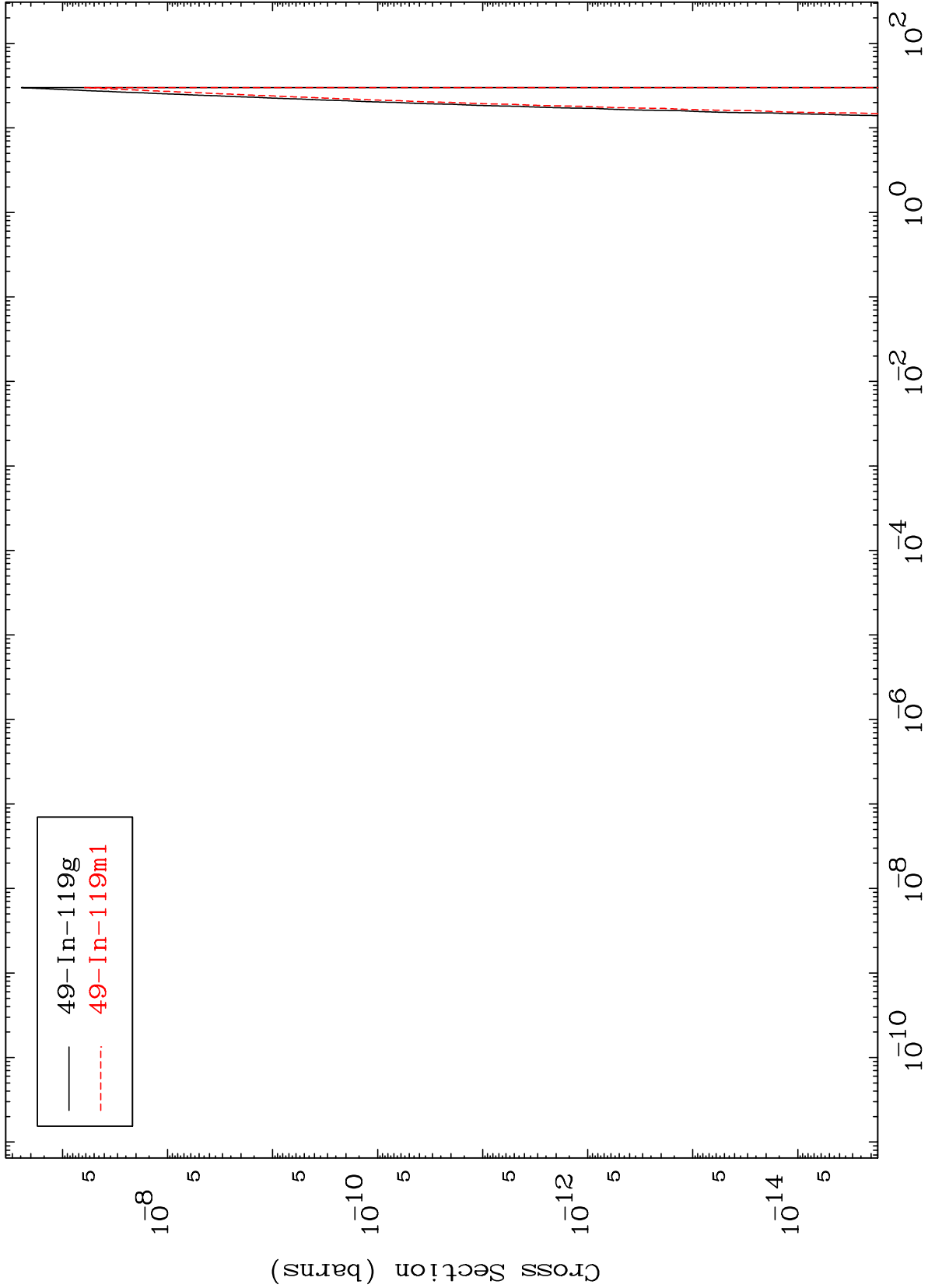
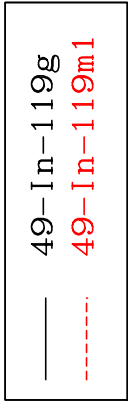


MAT 5322

(n,2α)

53-I -126

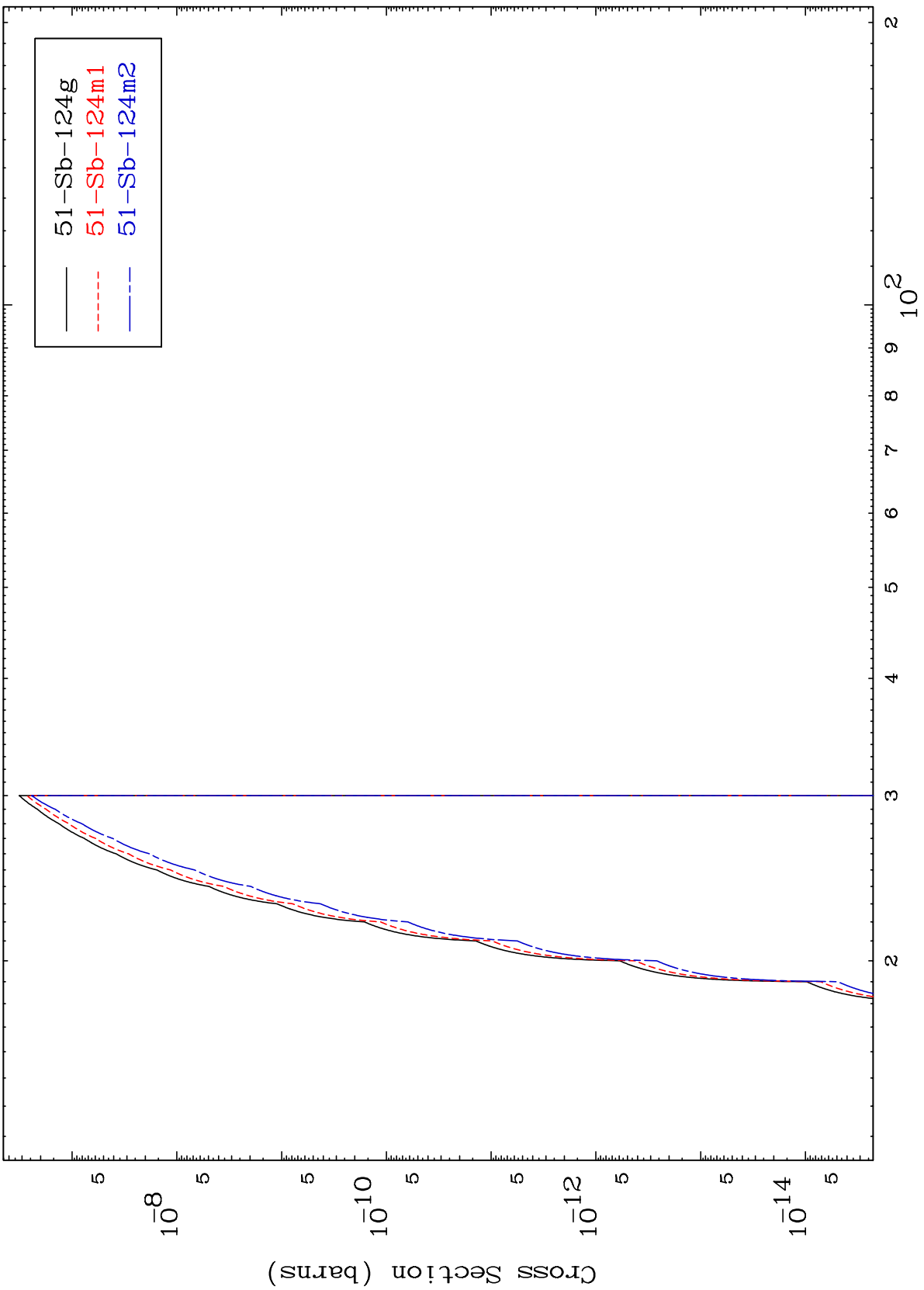
Radionuclide Production Cross Section



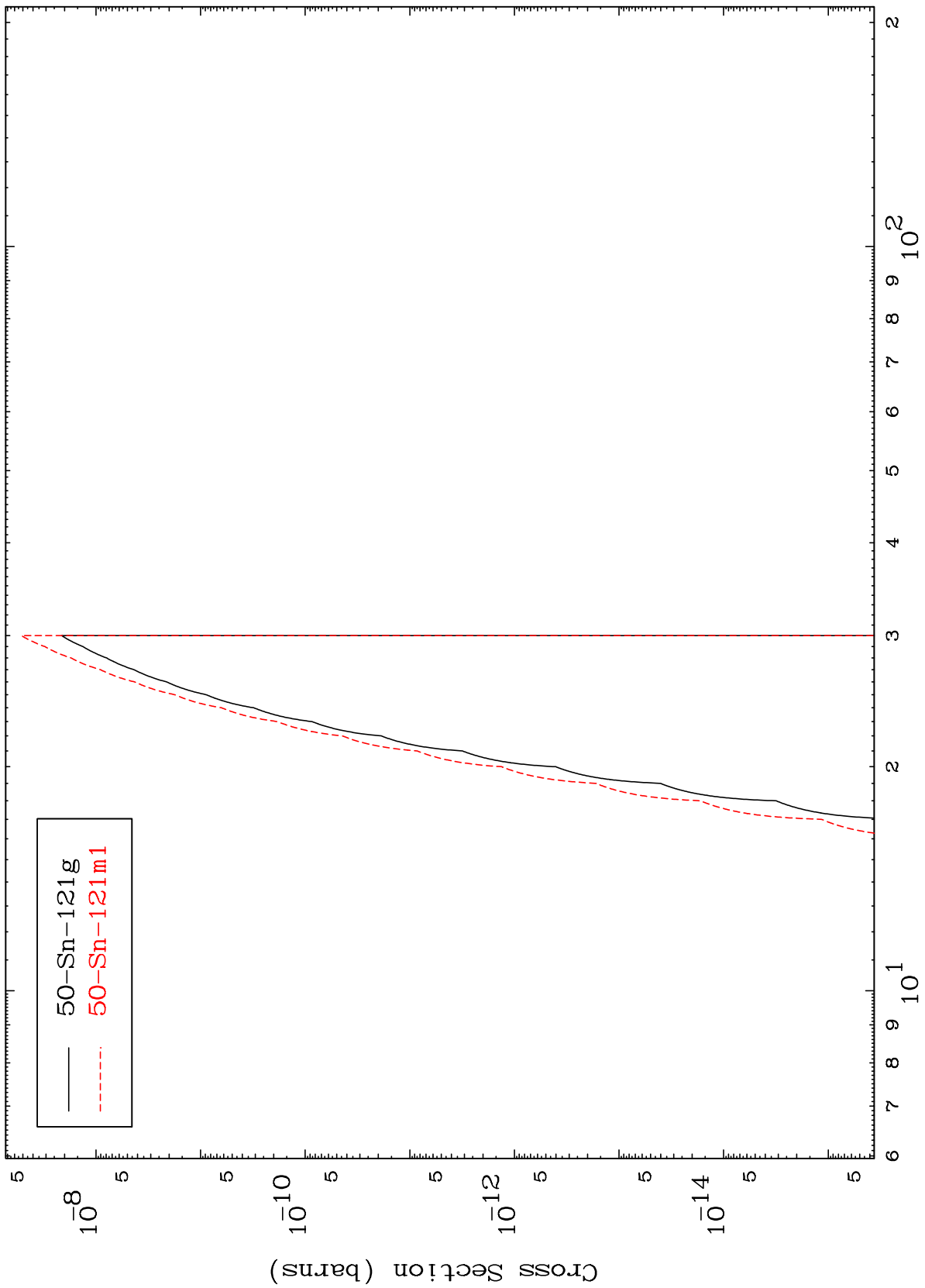
134

53-I -126

Radionuclide Production Cross Section



Radionuclide Production Cross Section



— 50-Sn-121g
- - - 50-Sn-121m1