

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

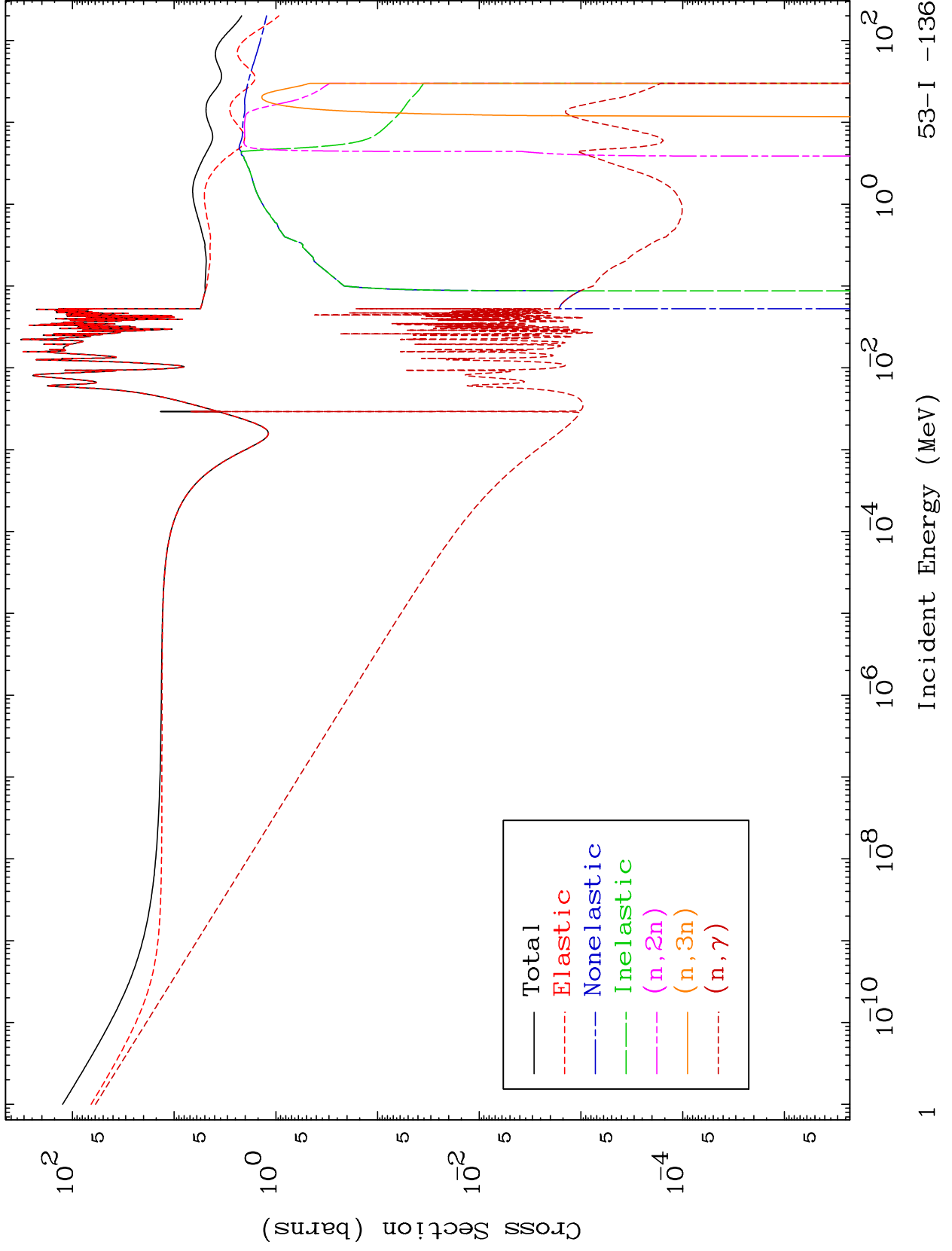
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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Tele: 925-443-1911

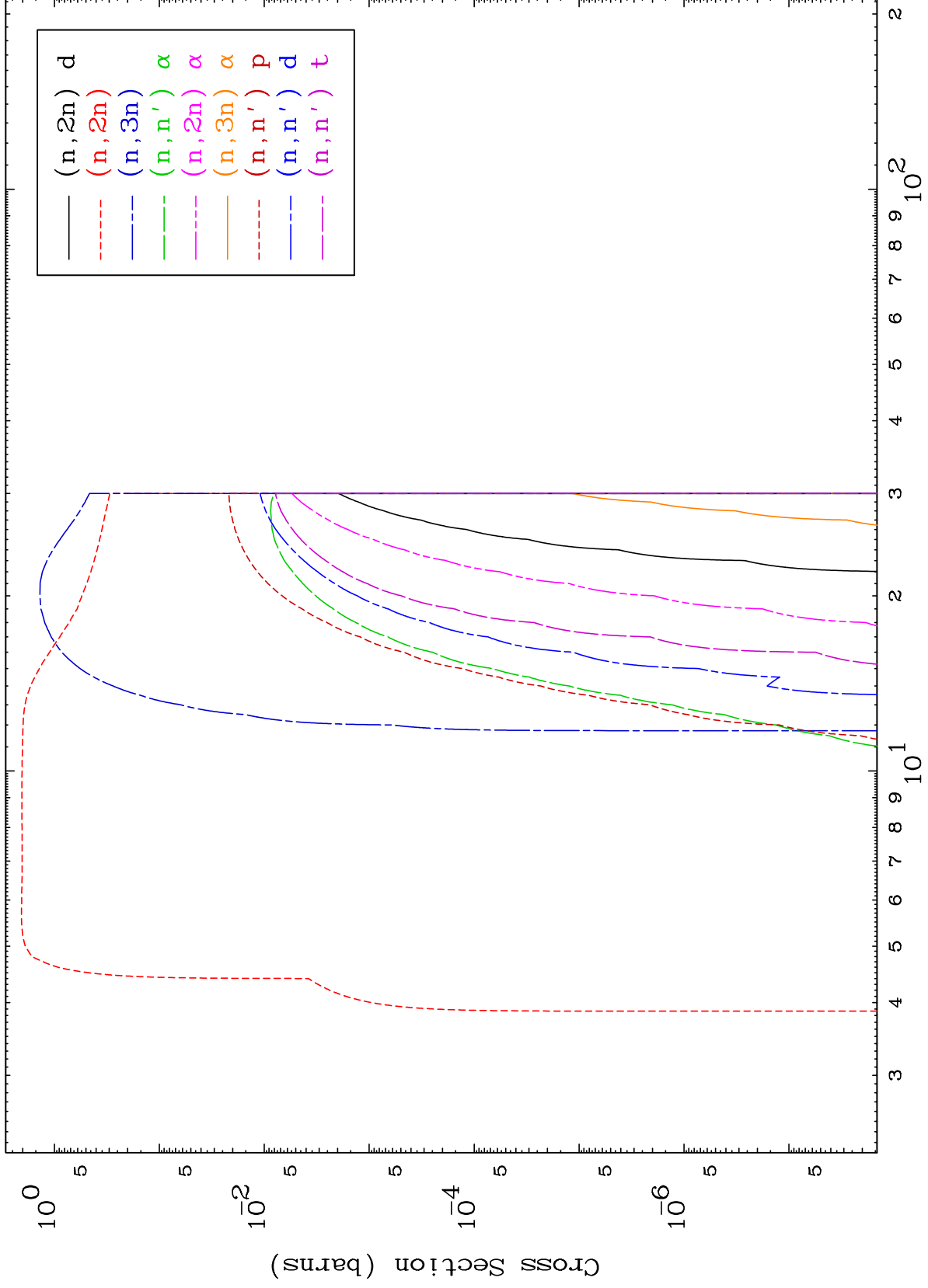
E.Mail:redcullen1@comcast.net

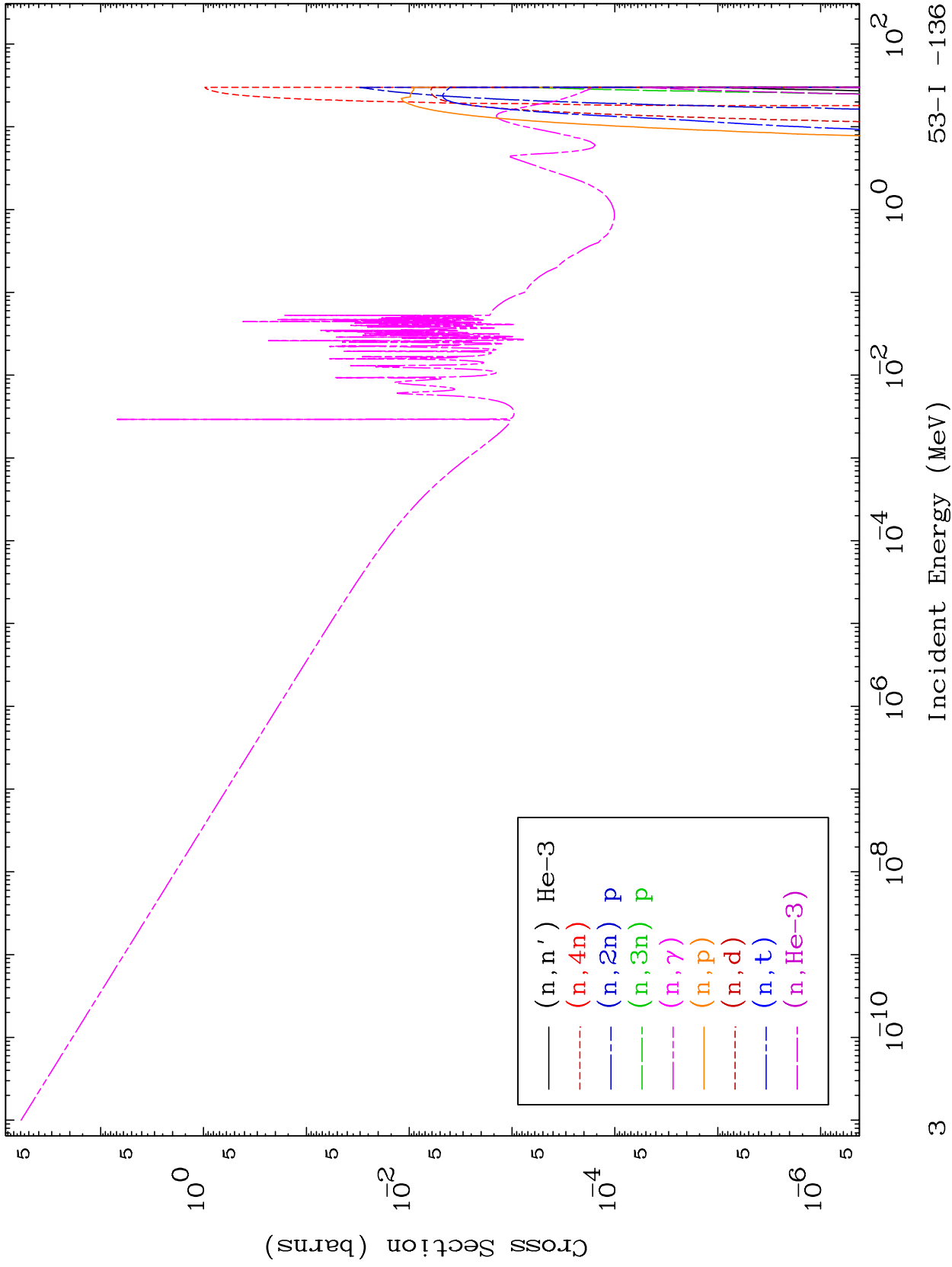
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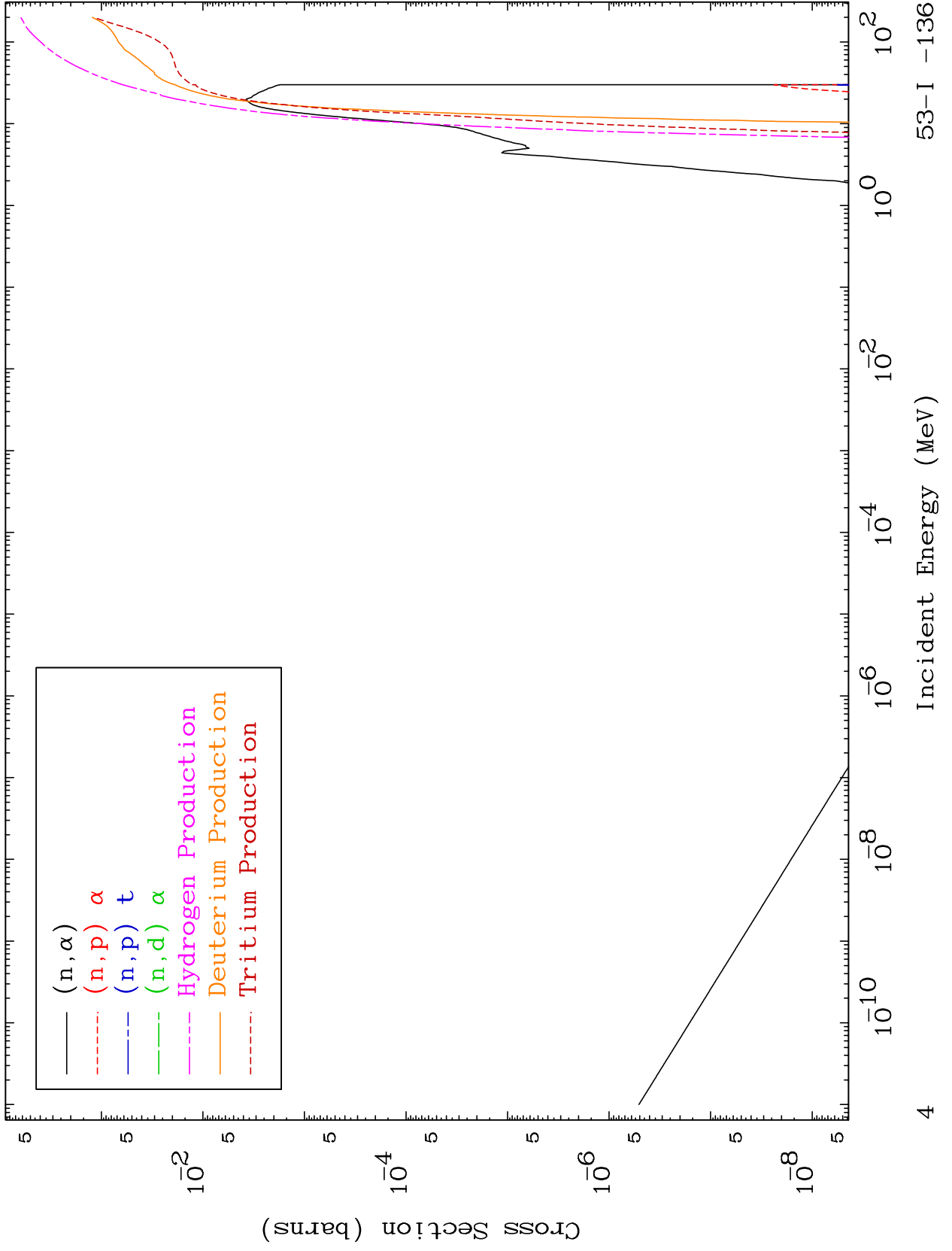
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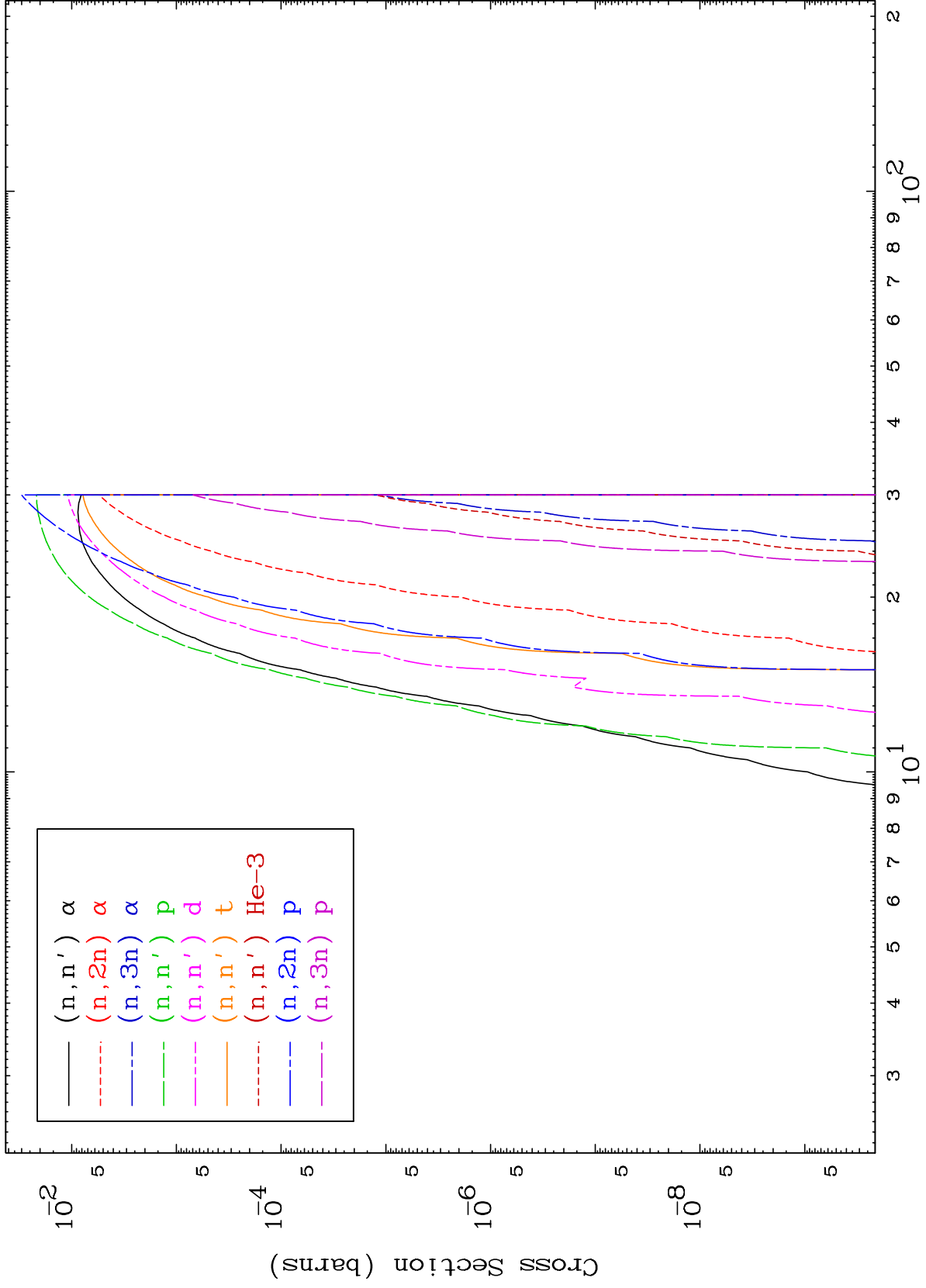


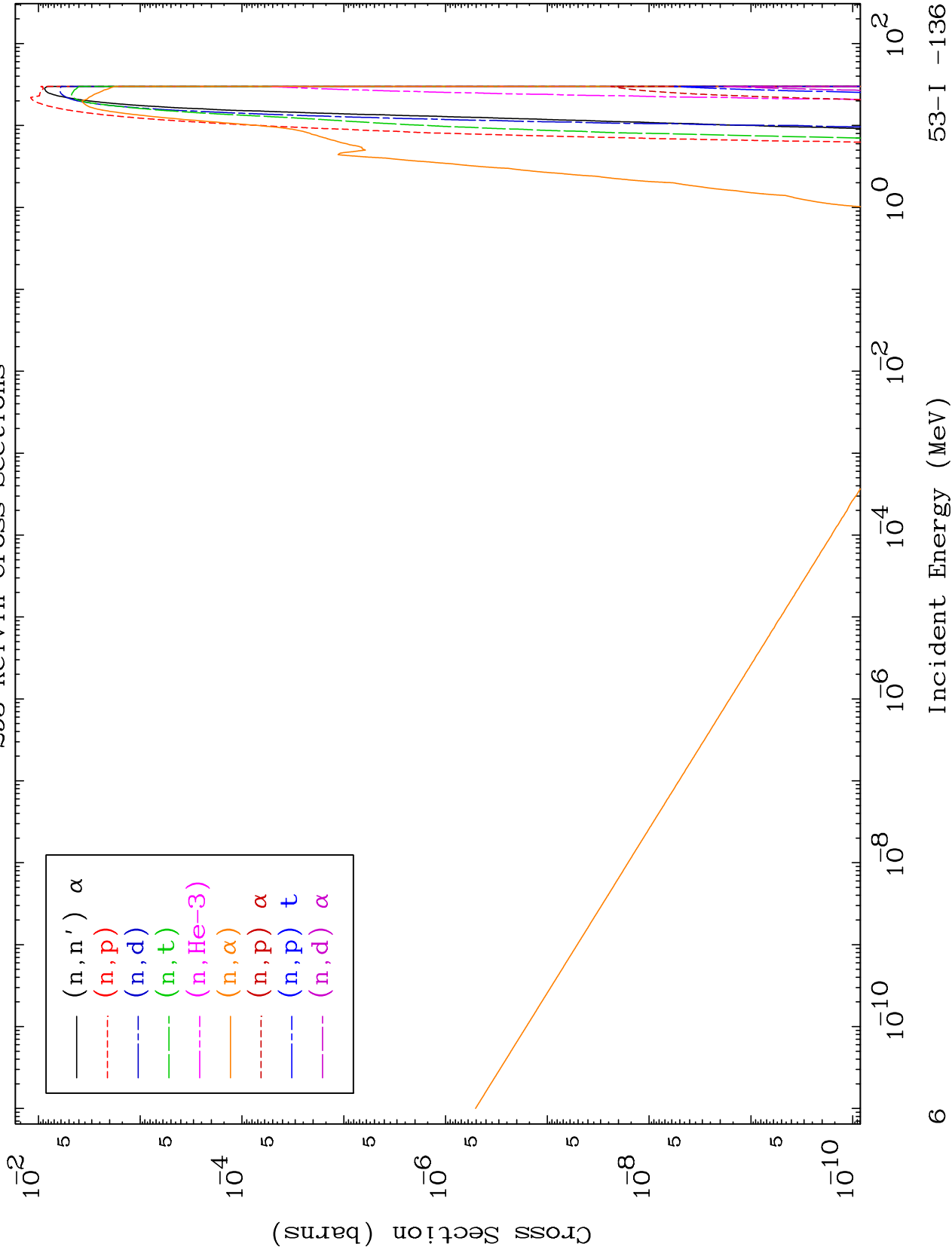
Neutron Absorption
293 Kelvin Cross Sections

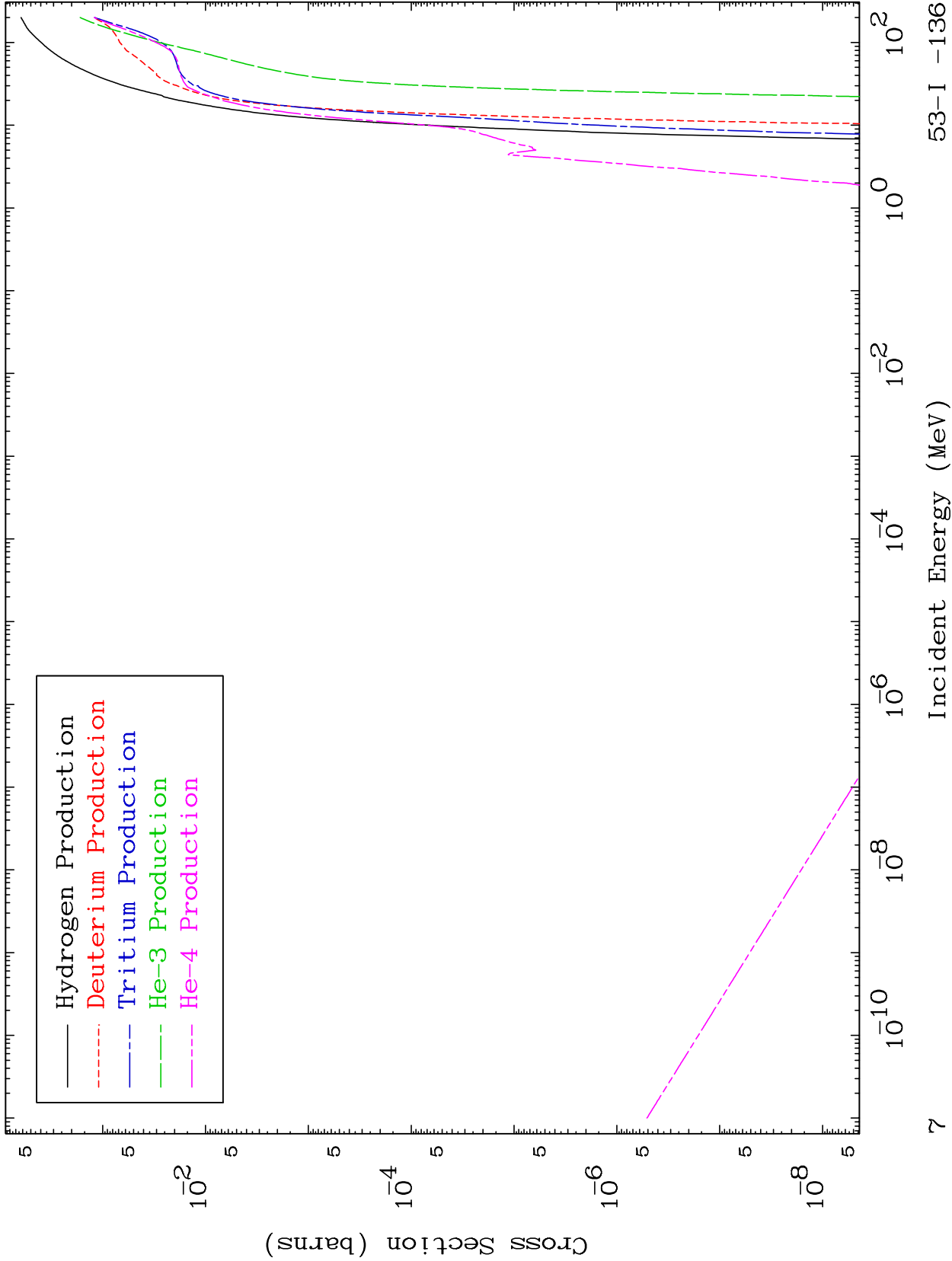




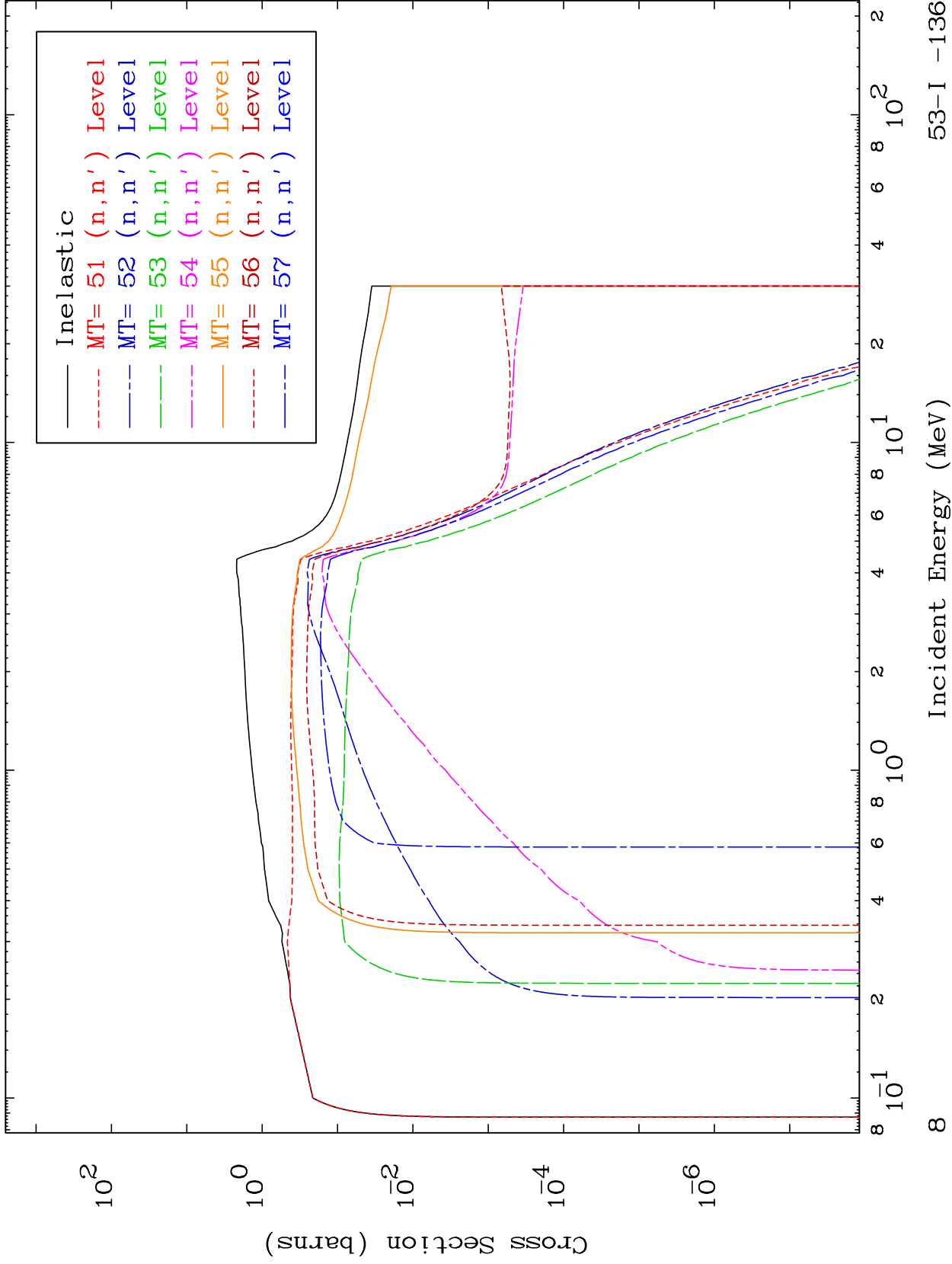


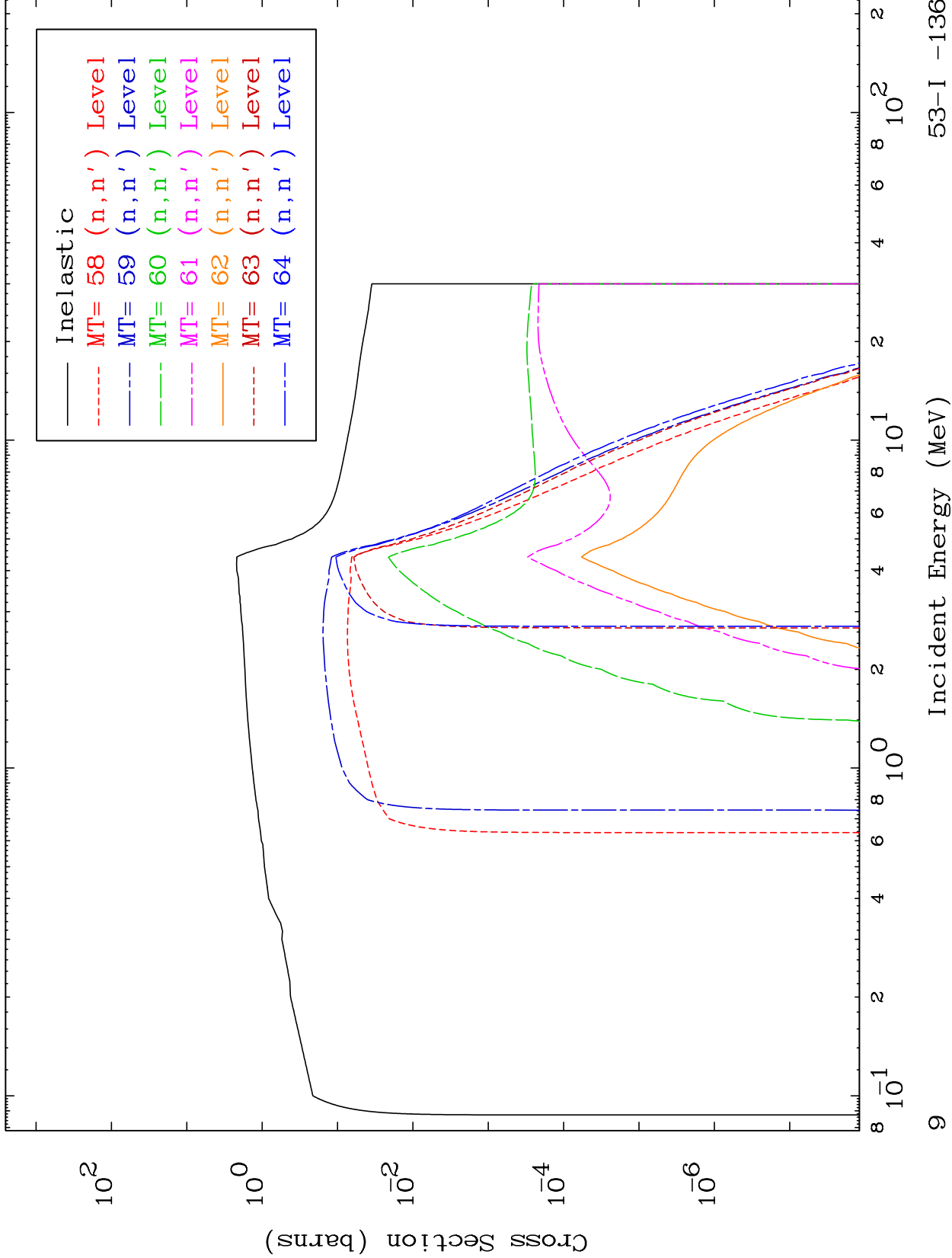


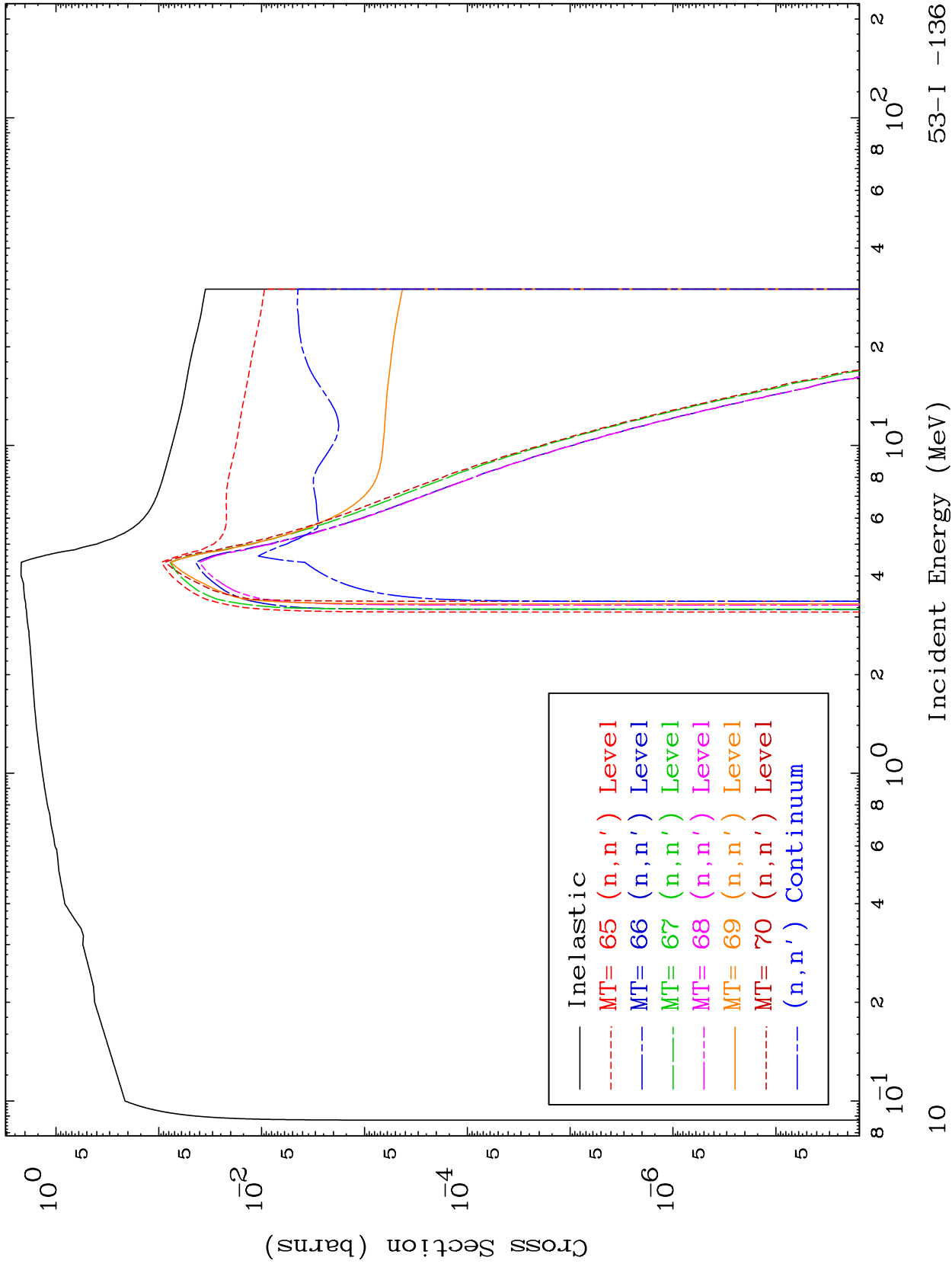


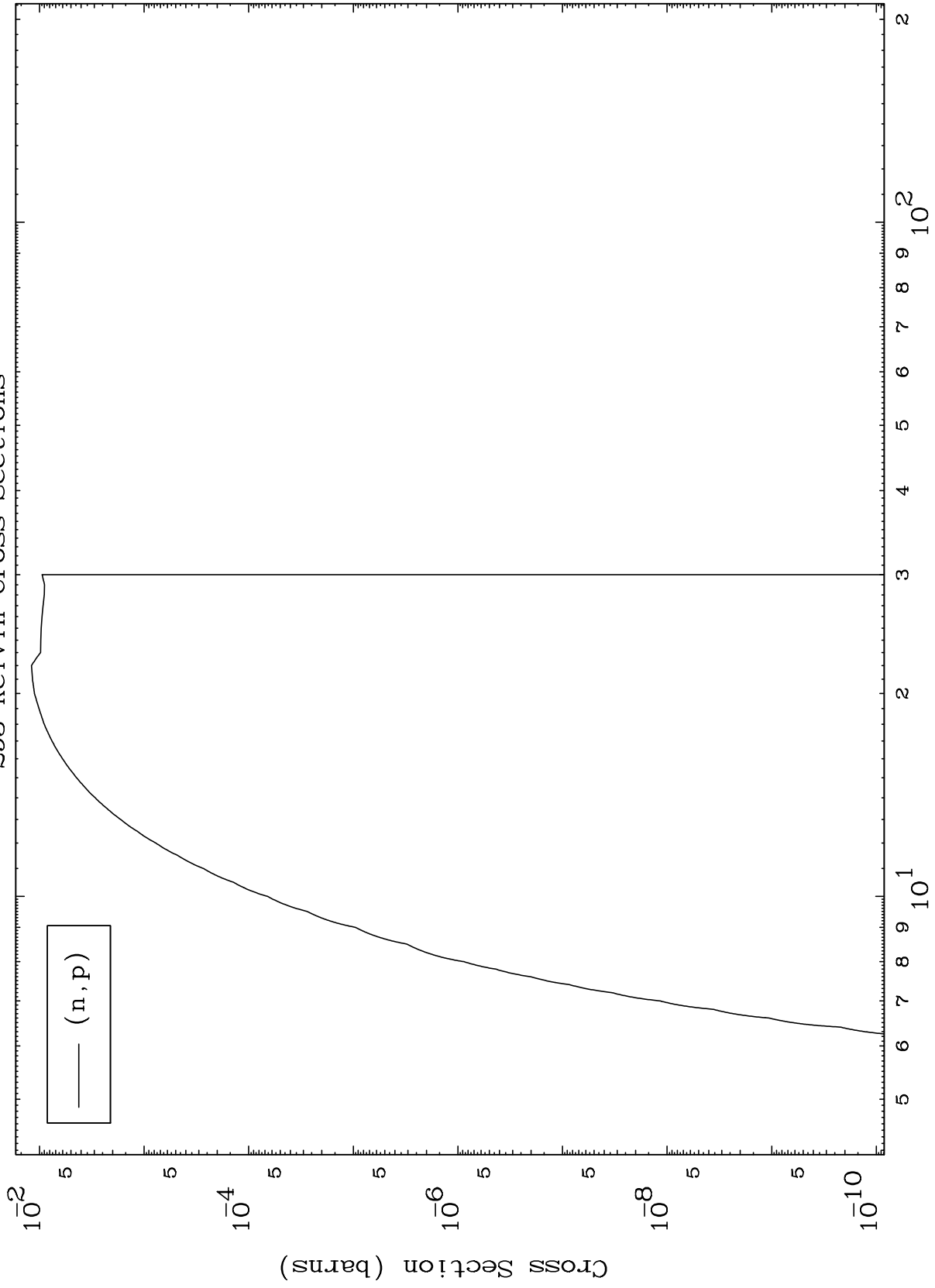


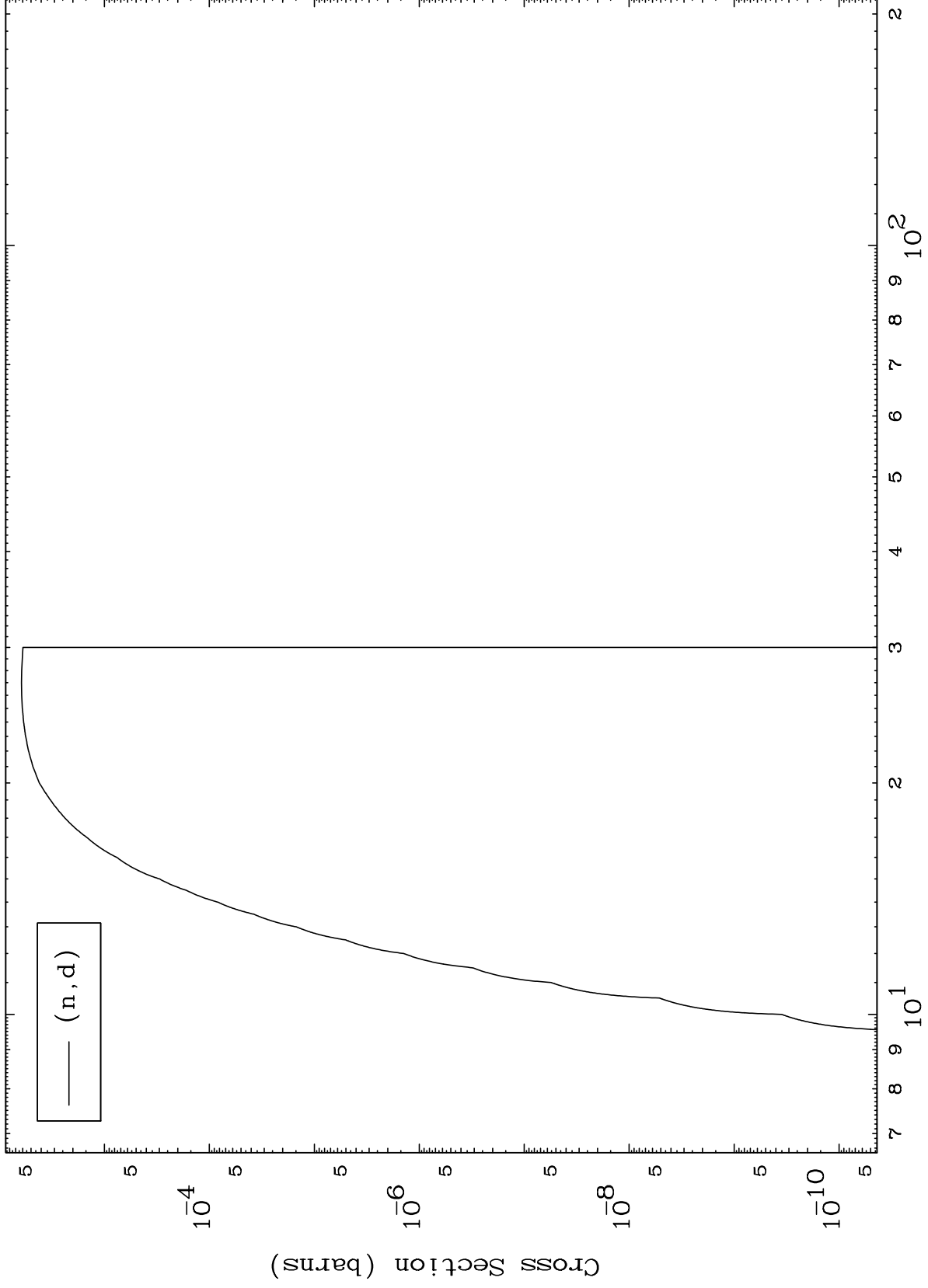
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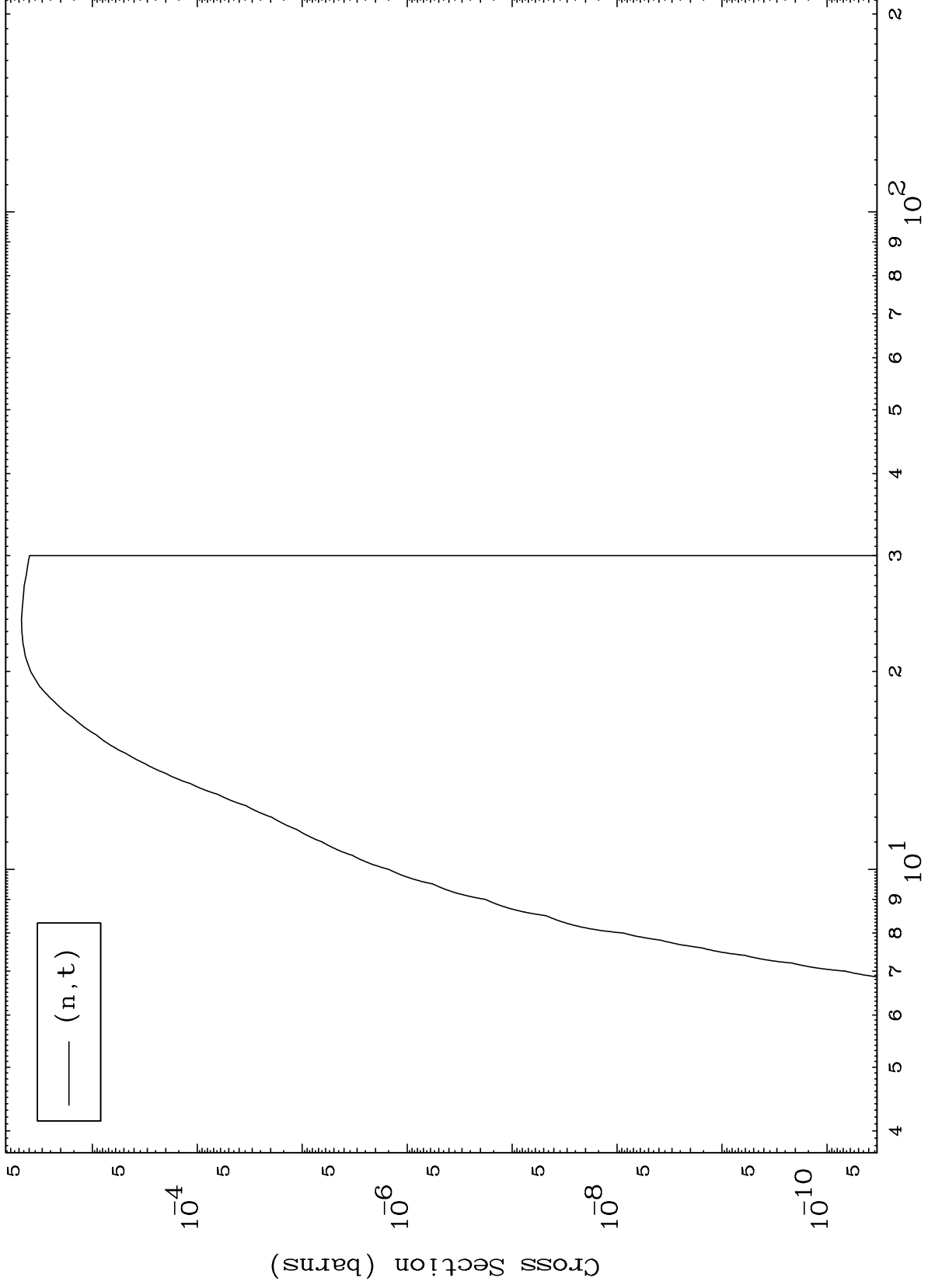


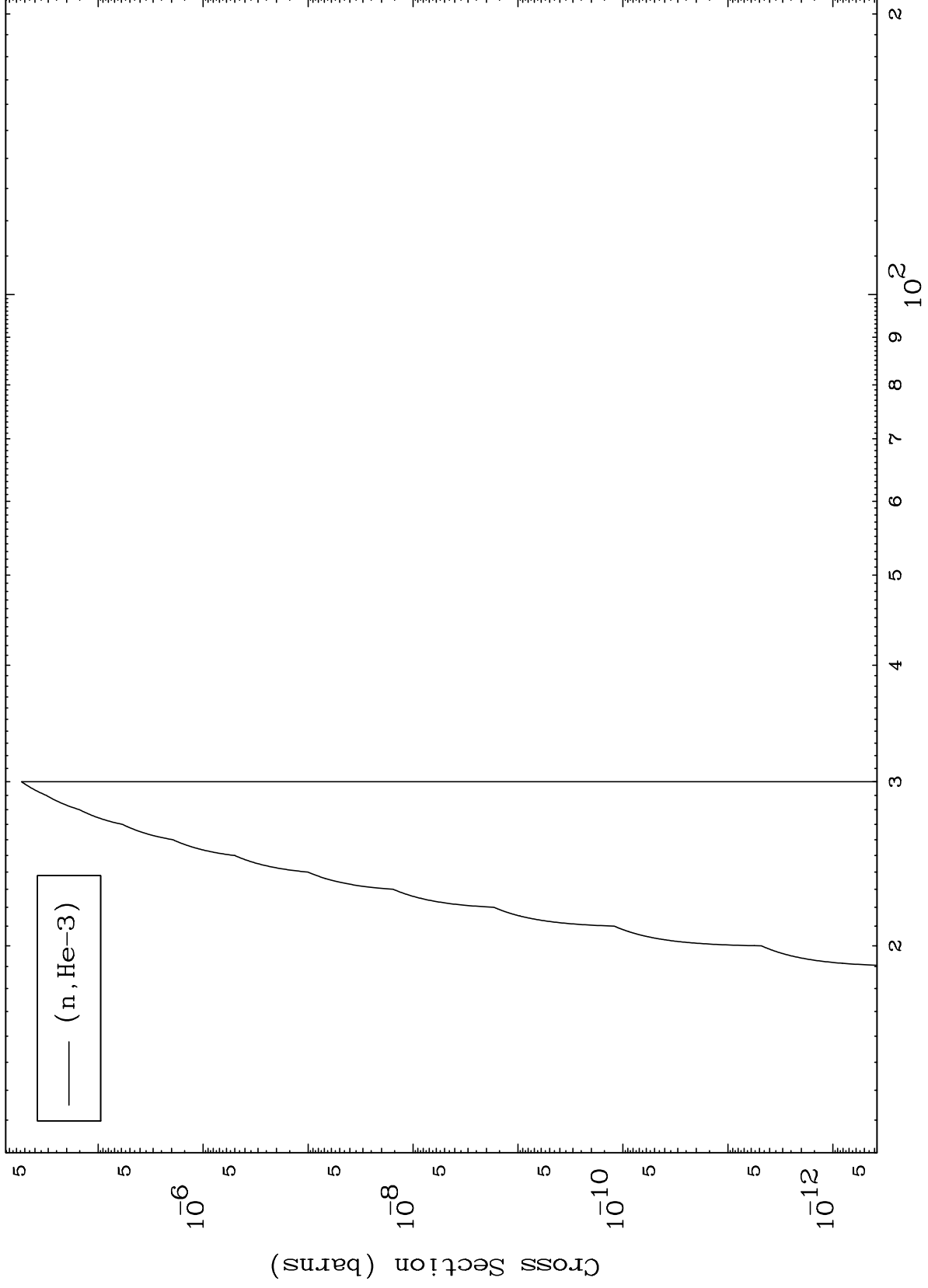








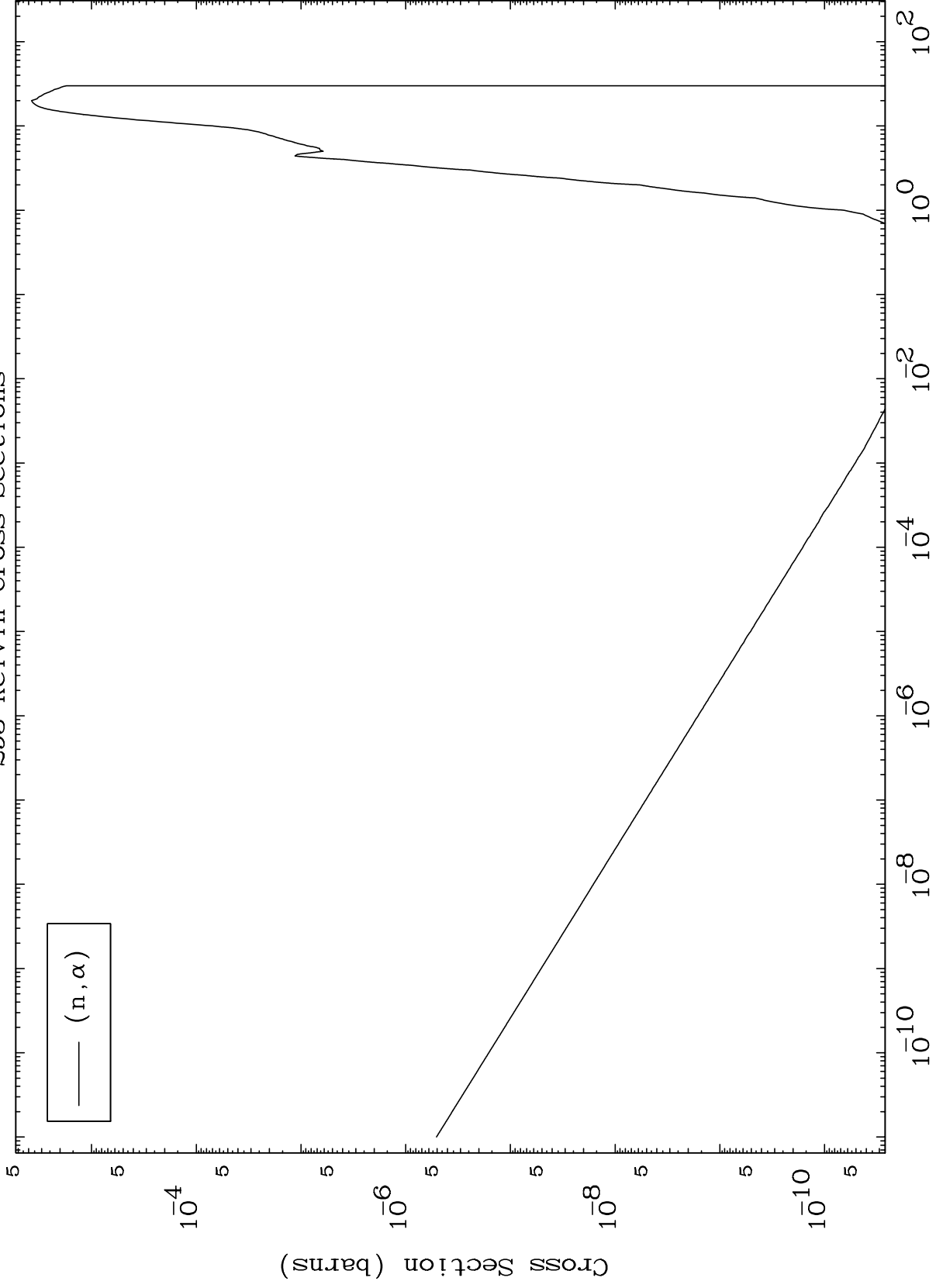




MAT 5352

(n, α) Levels
293 Kelvin Cross Sections

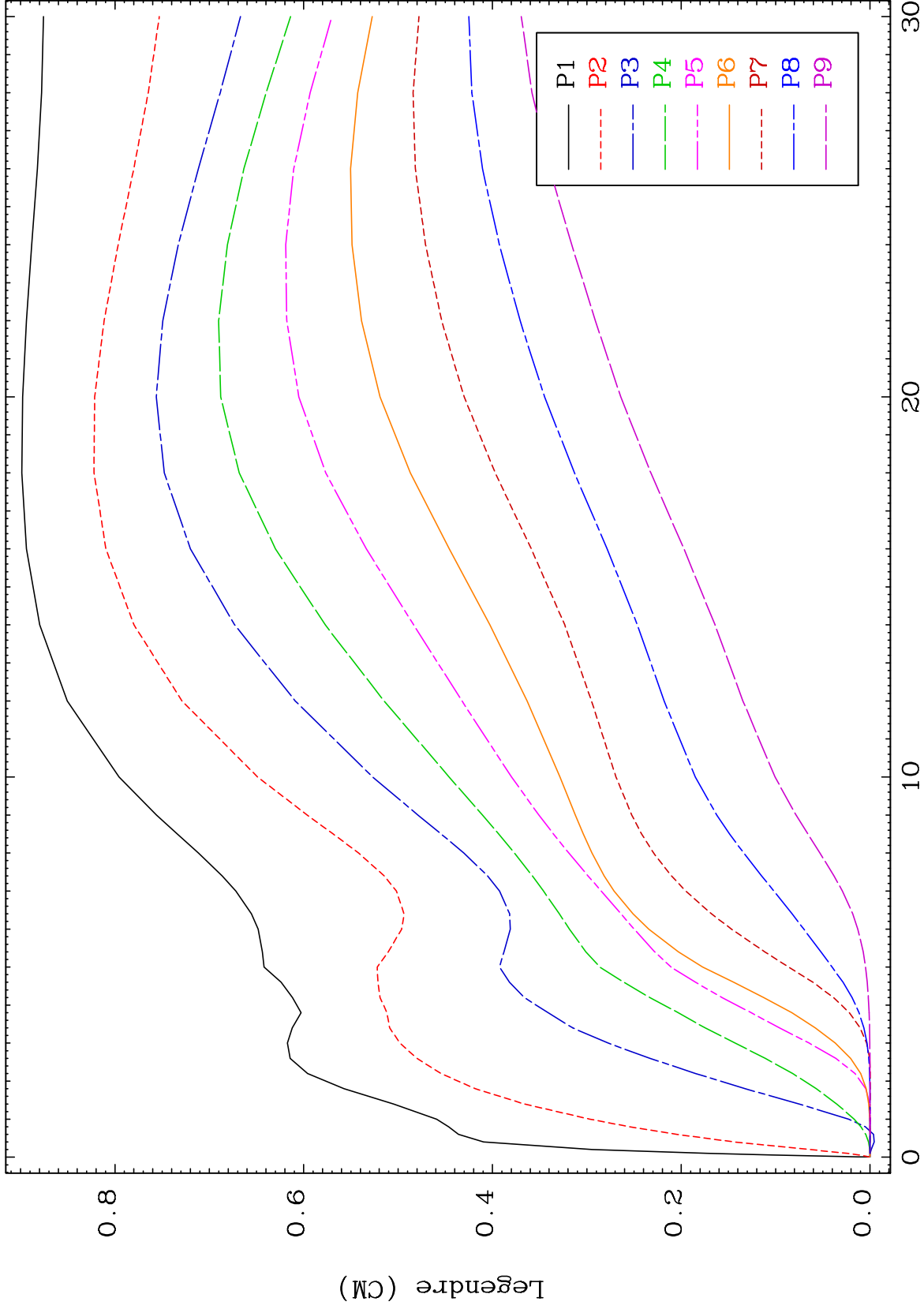
53-I -136



15

Incident Energy (MeV)

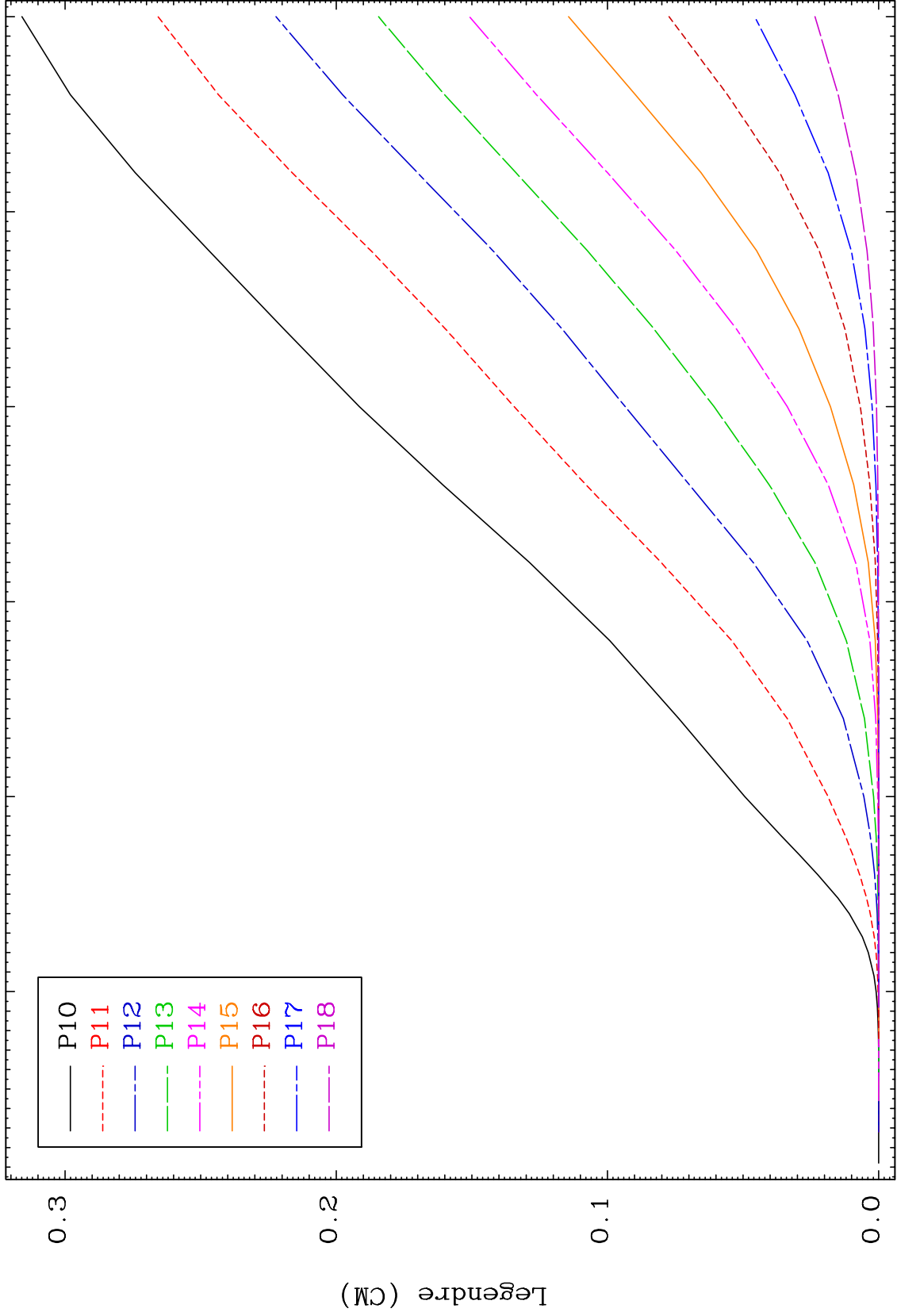
53-I -136



MAT 5352

Elastic Legendre Coefficients

53-I -136



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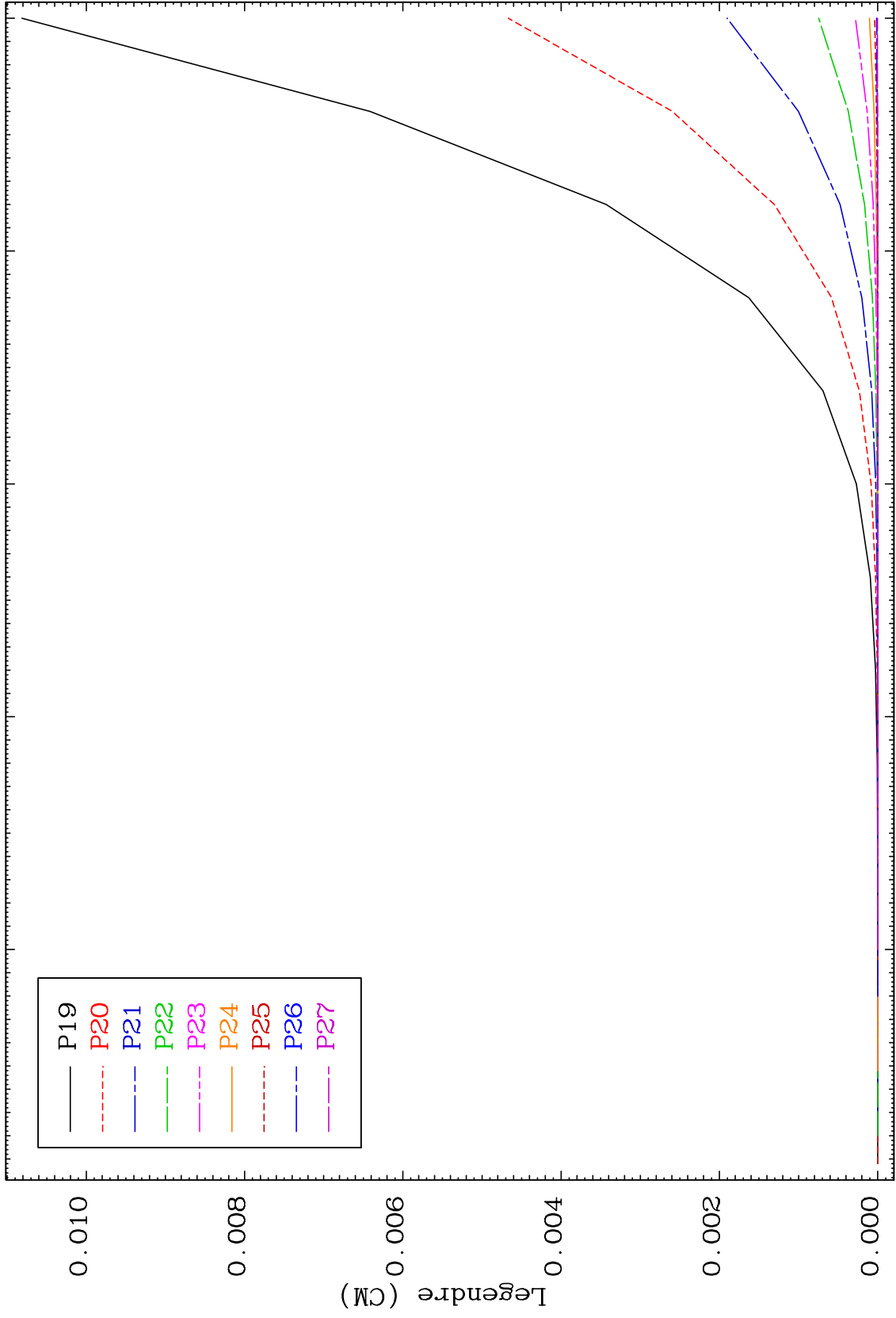
Incident Energy (MeV)

53-I -136

MAT 5352

Elastic Legendre Coefficients

53-I -136



18

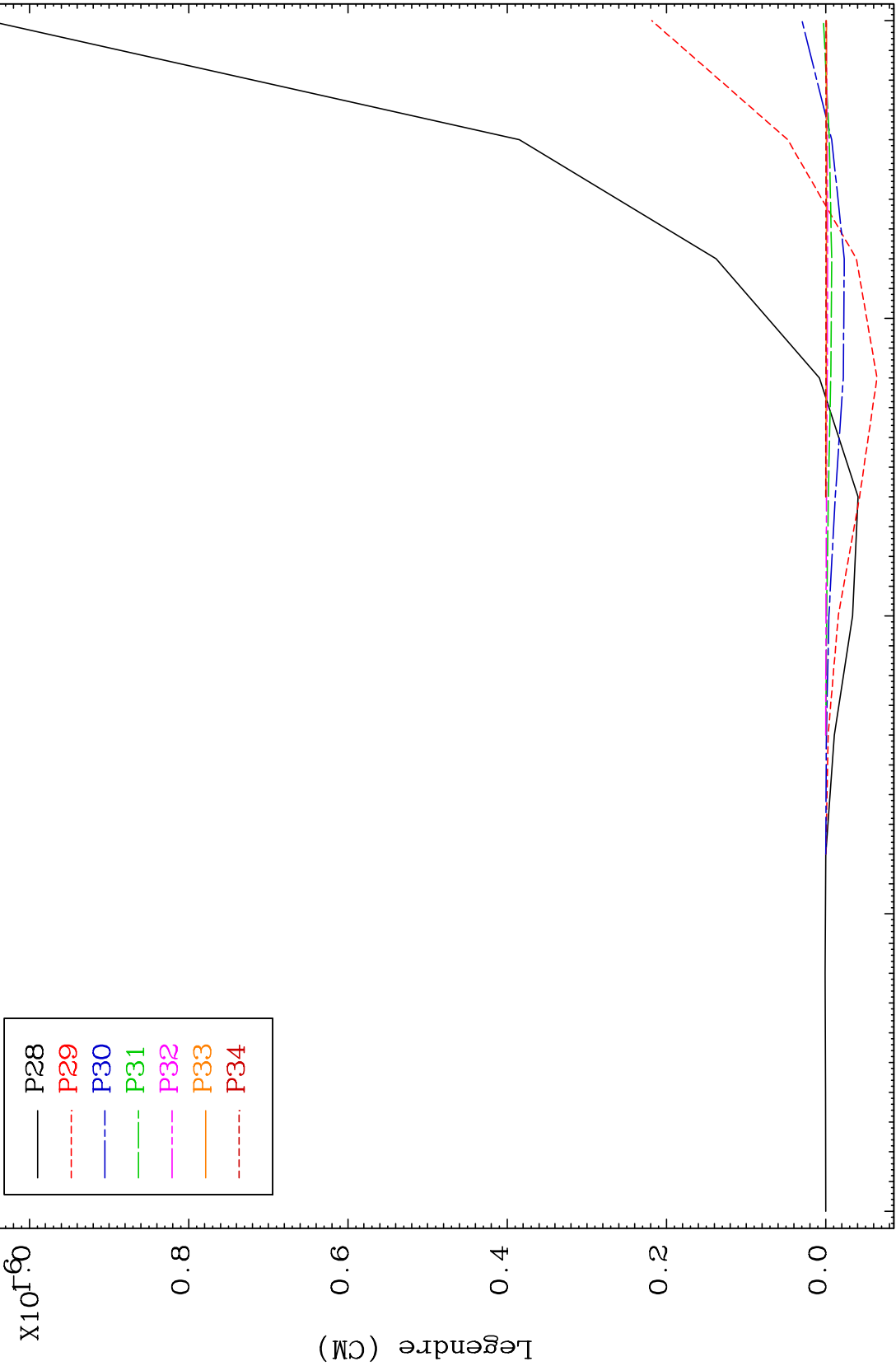
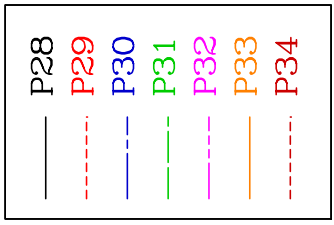
Incident Energy (MeV)

53-I -136

MAT 5352

Elastic Legendre Coefficients

53-I -136



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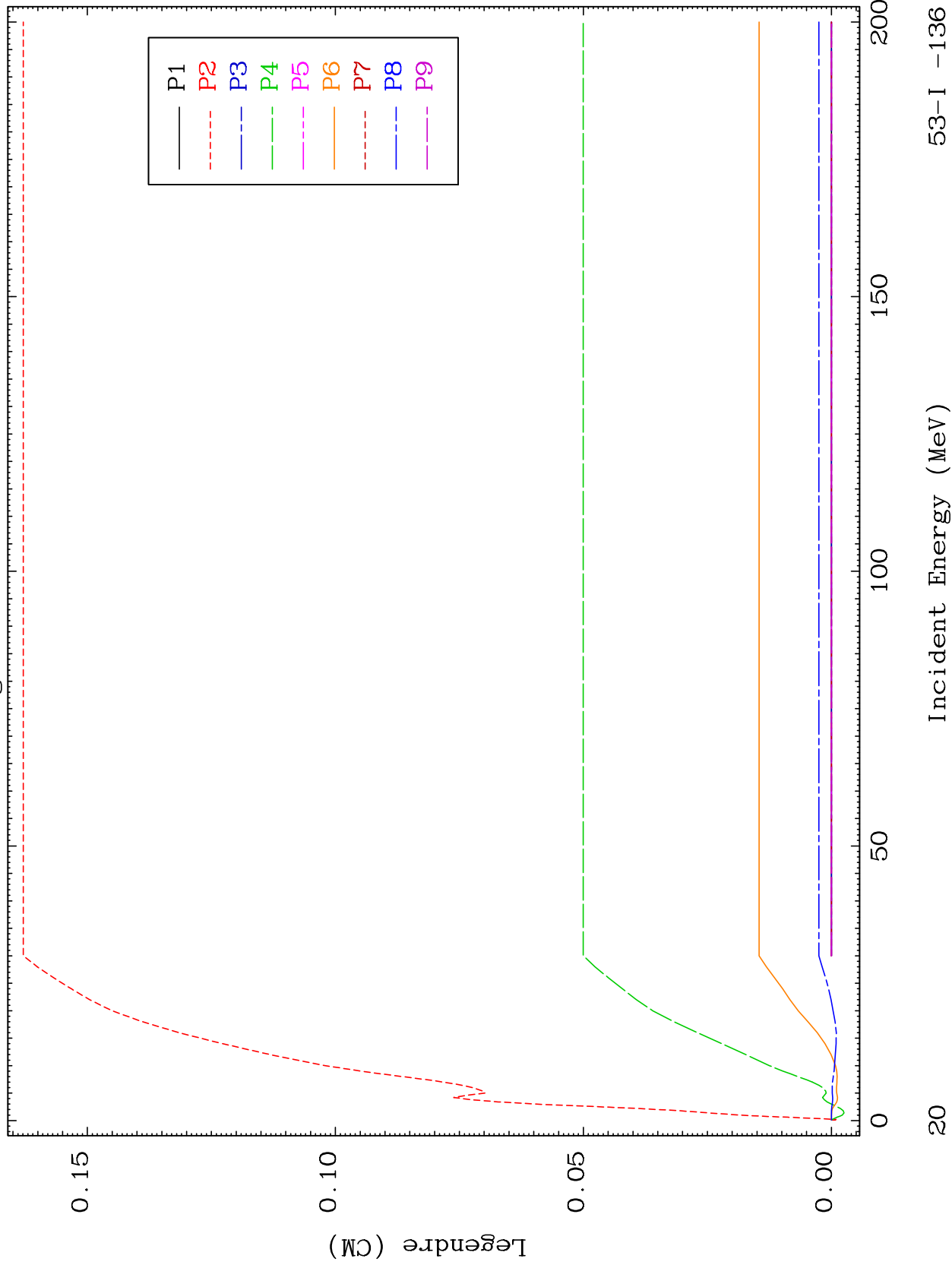
Incident Energy (MeV)

53-I -136

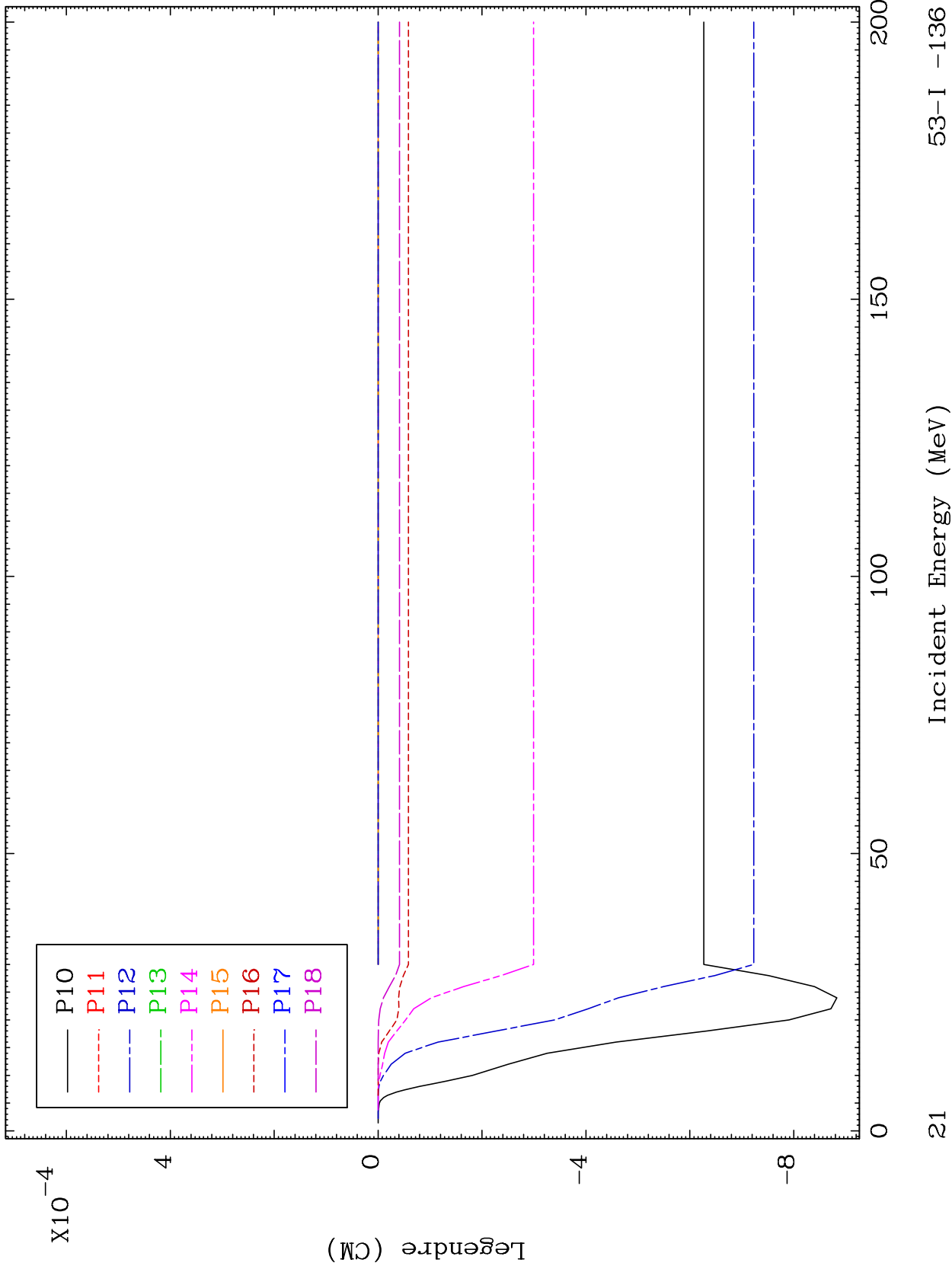
MAT 5352

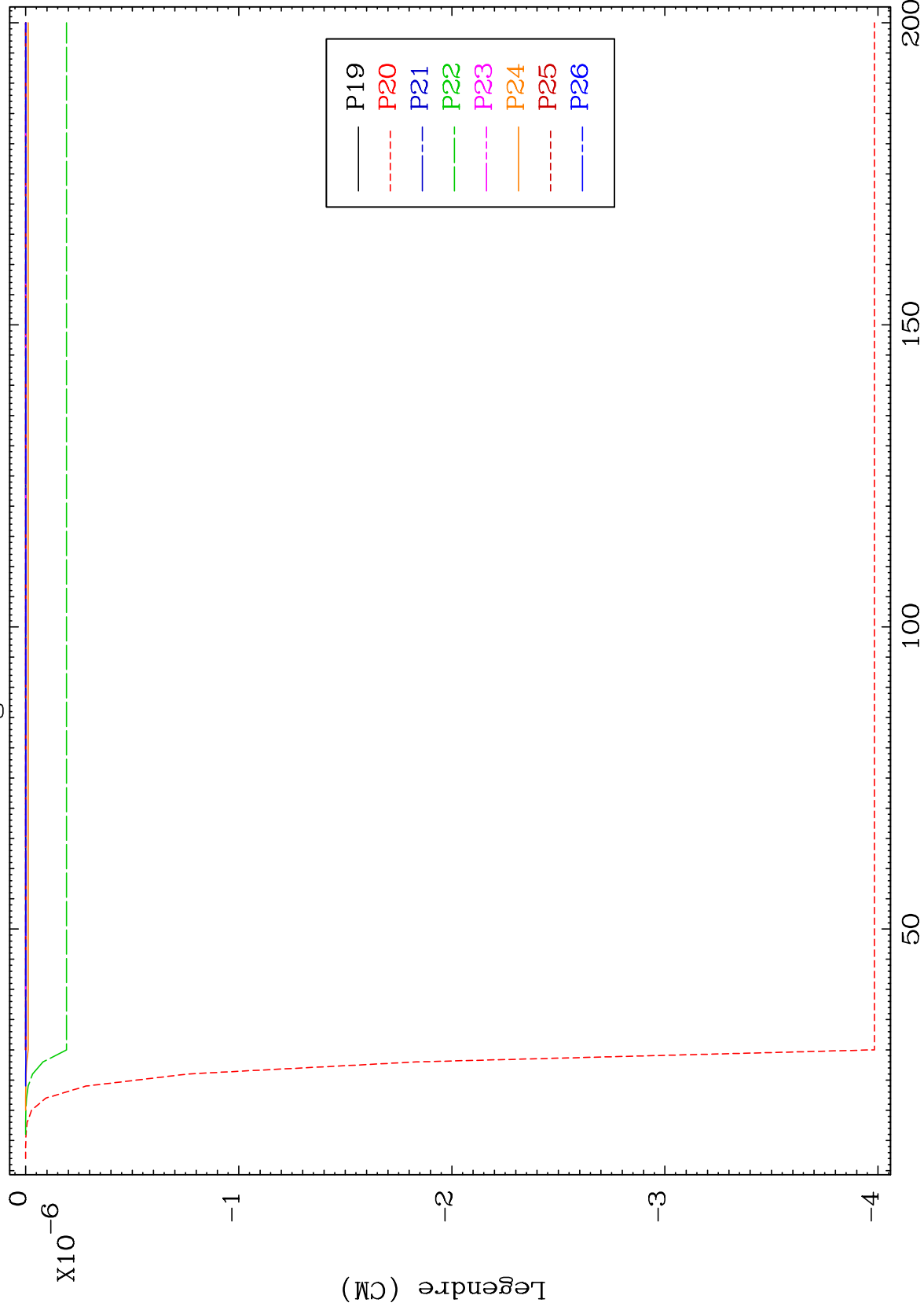
MT= 51 (n,n') Level
Legendre Coefficients

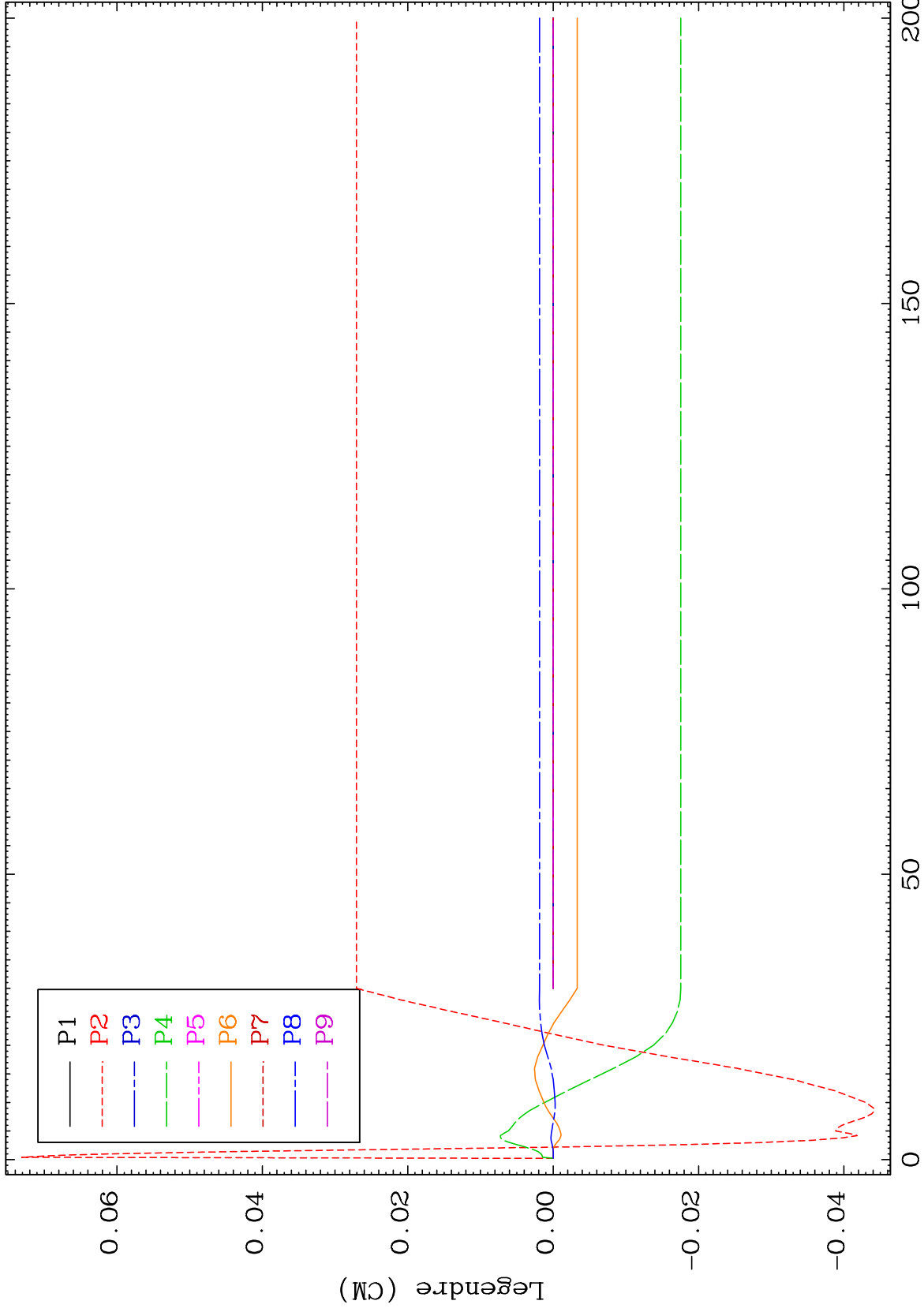
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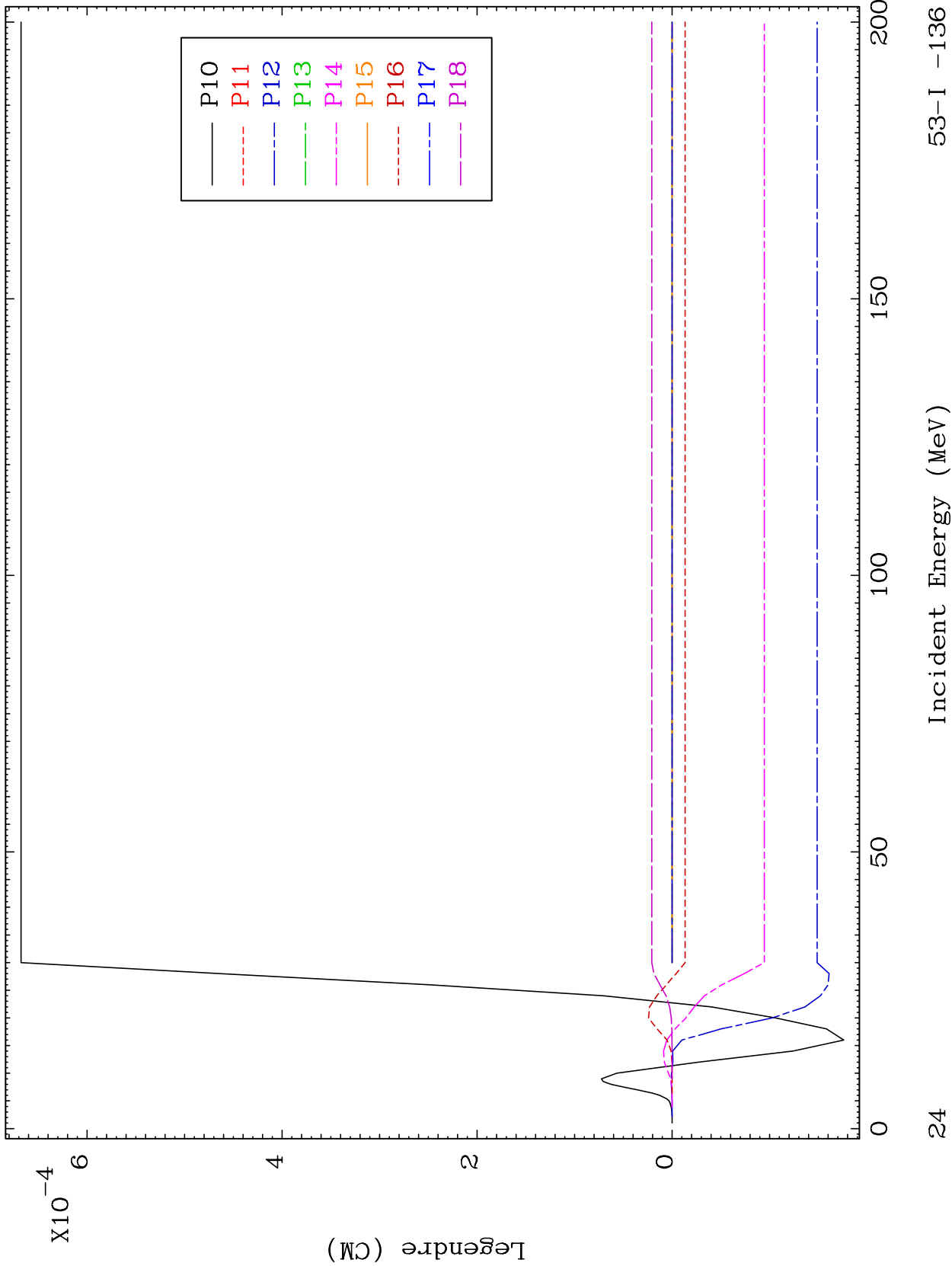


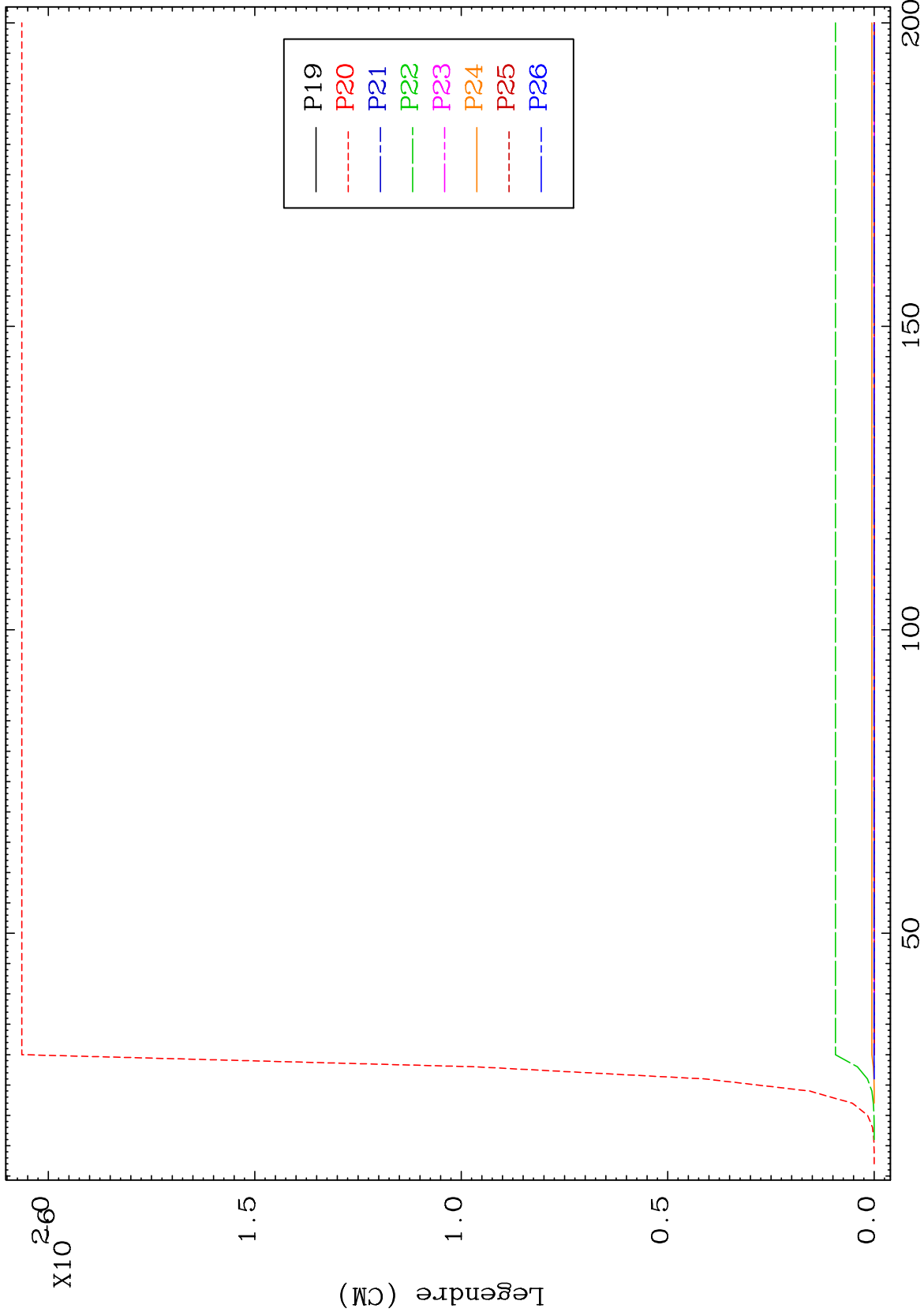
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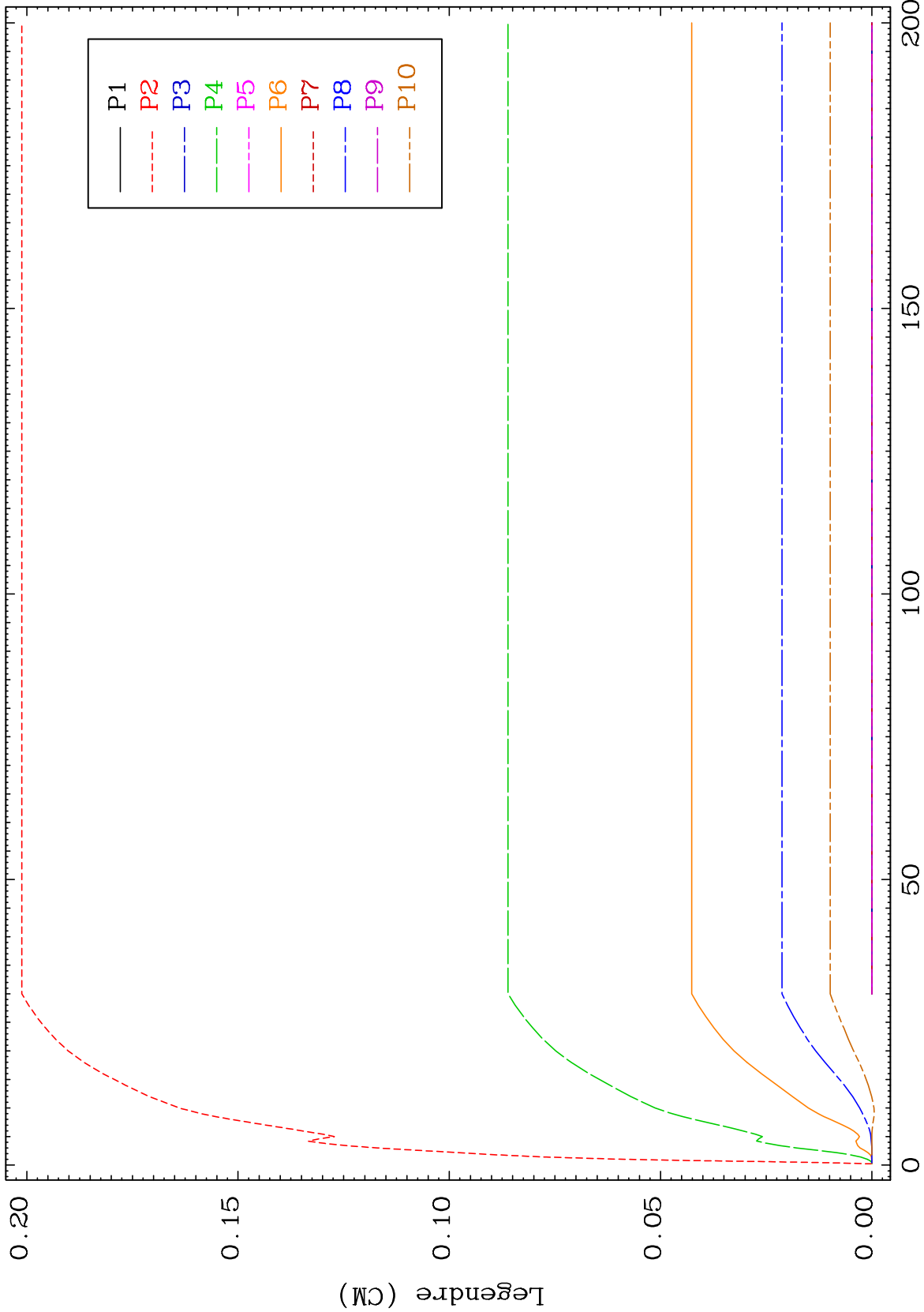


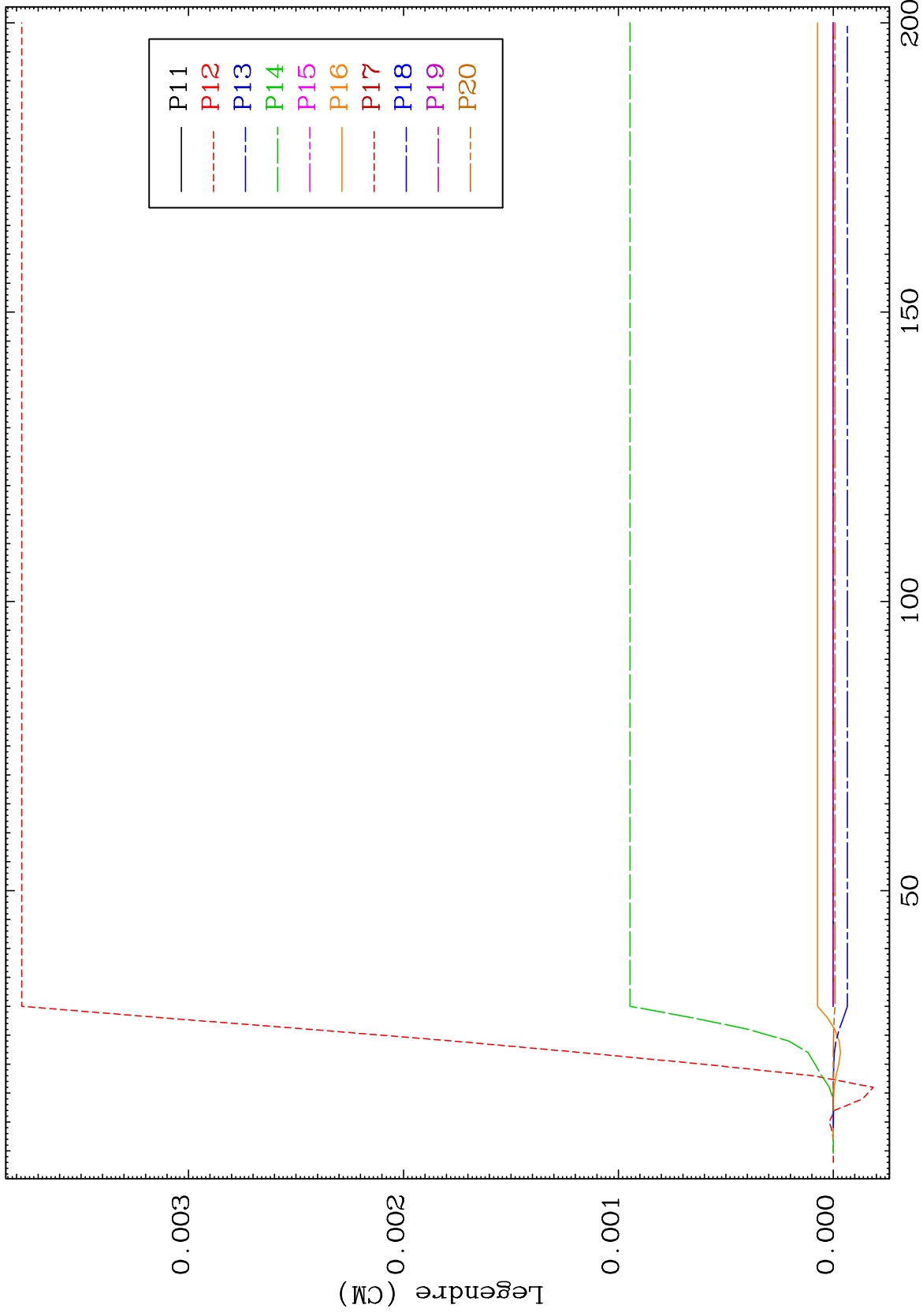


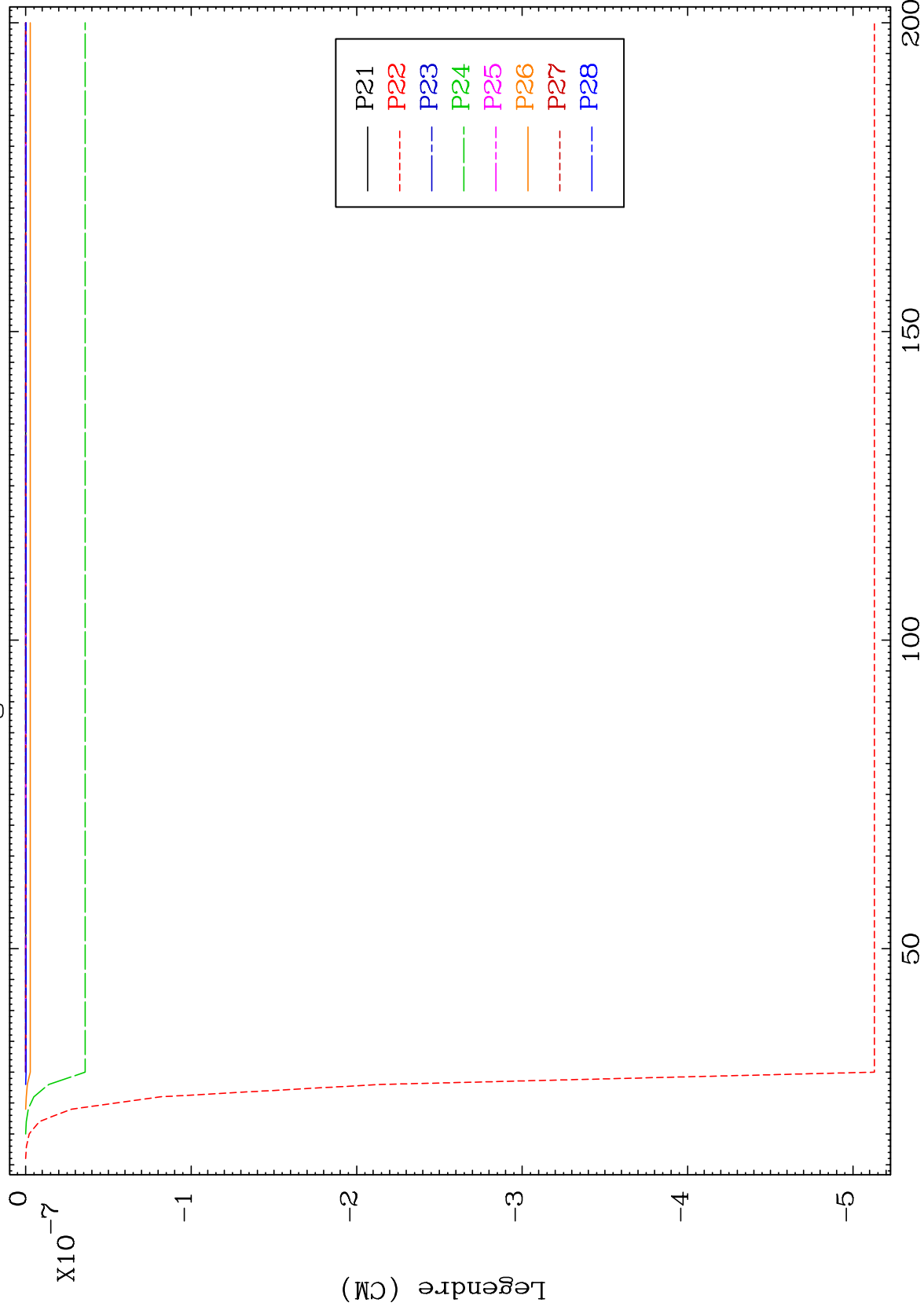


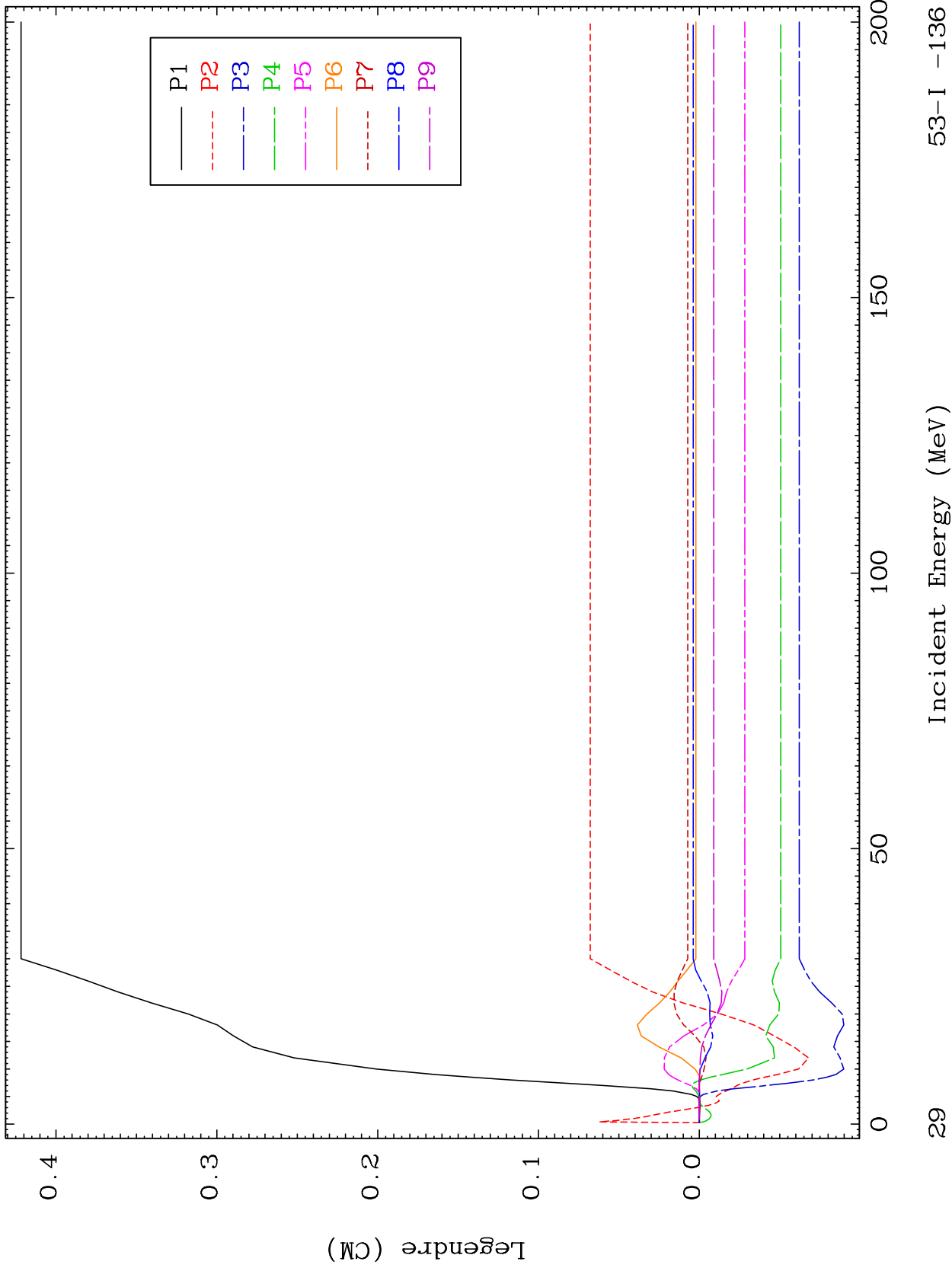








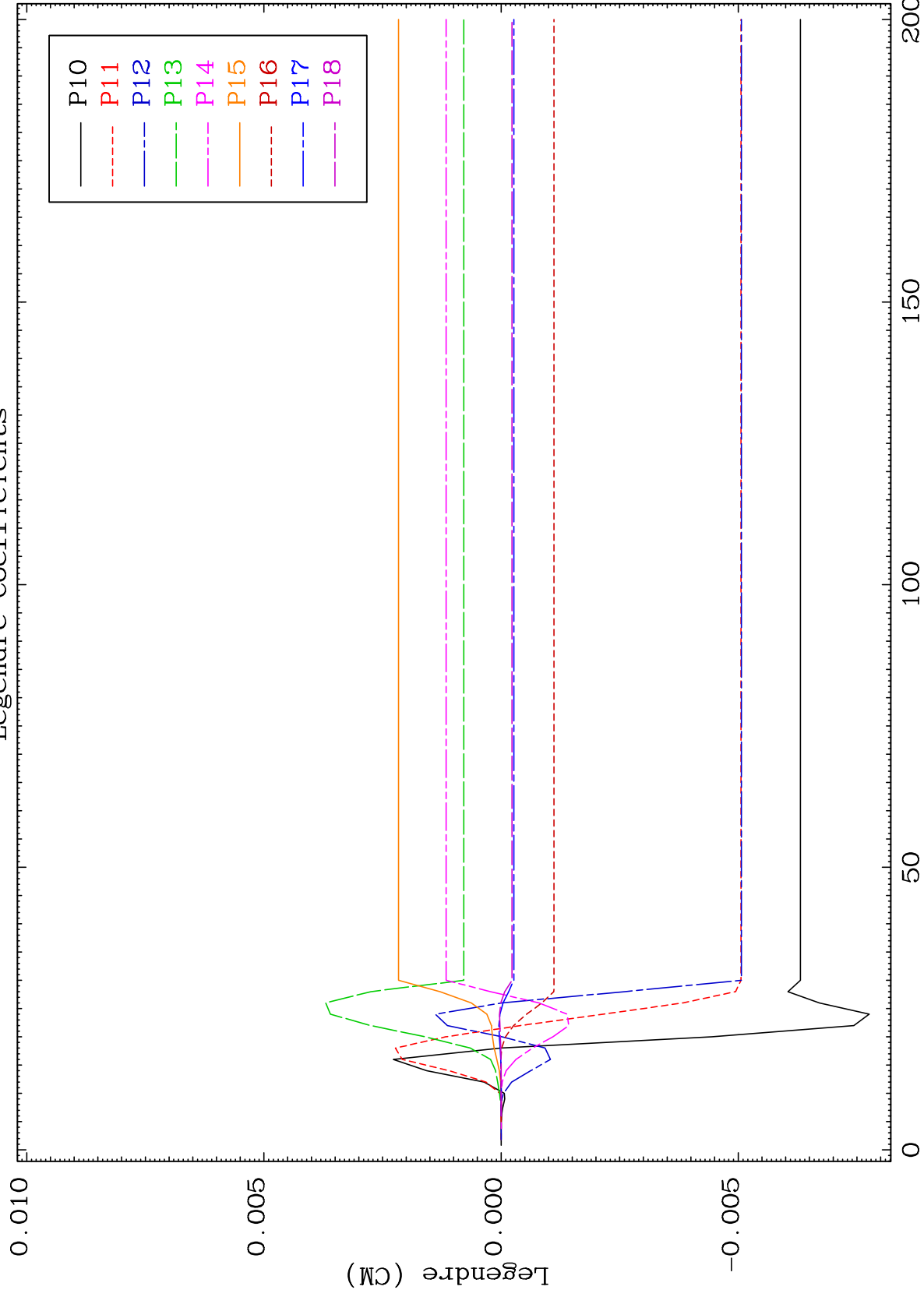




MAT 5352

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

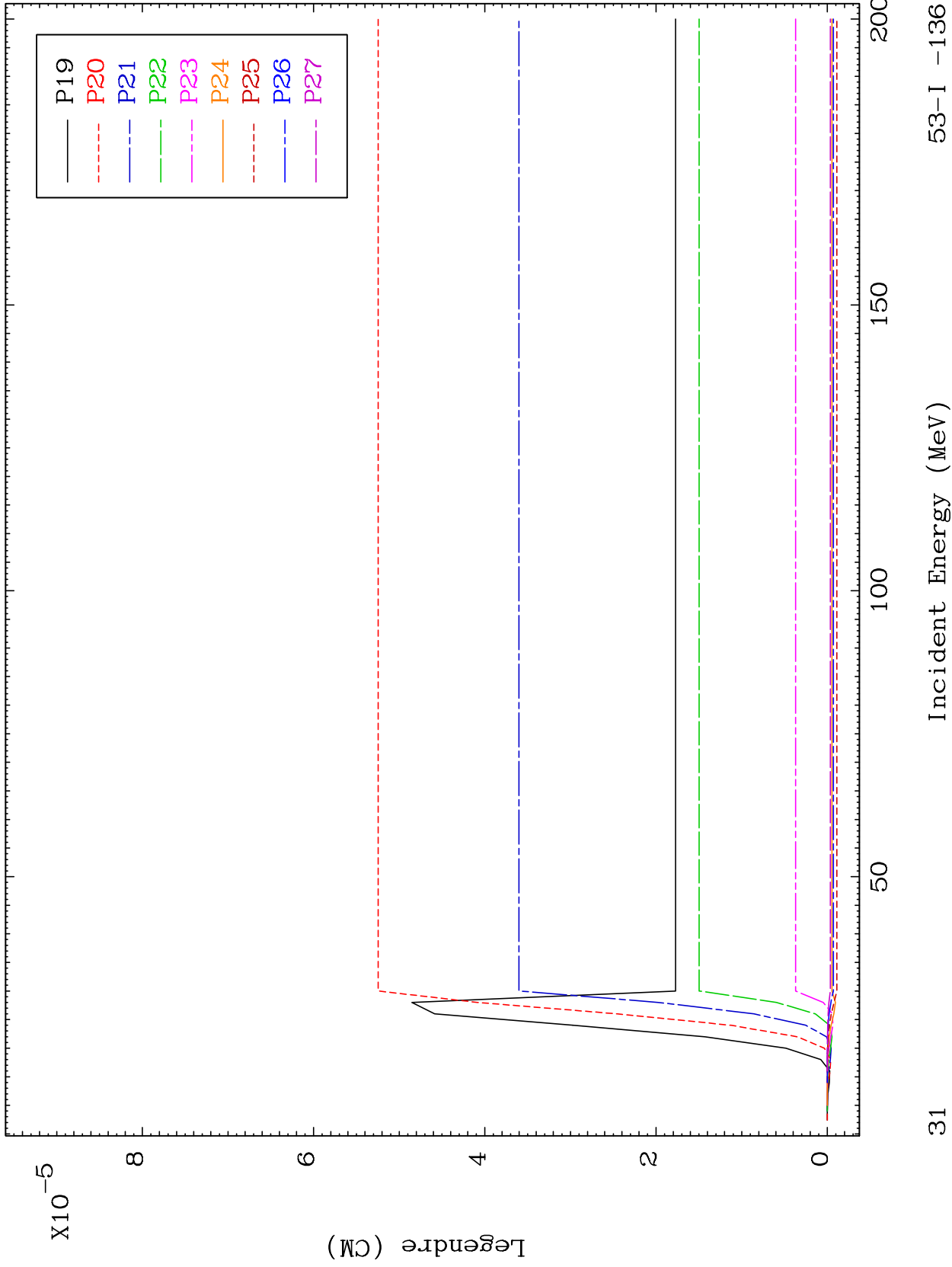
53-I -136



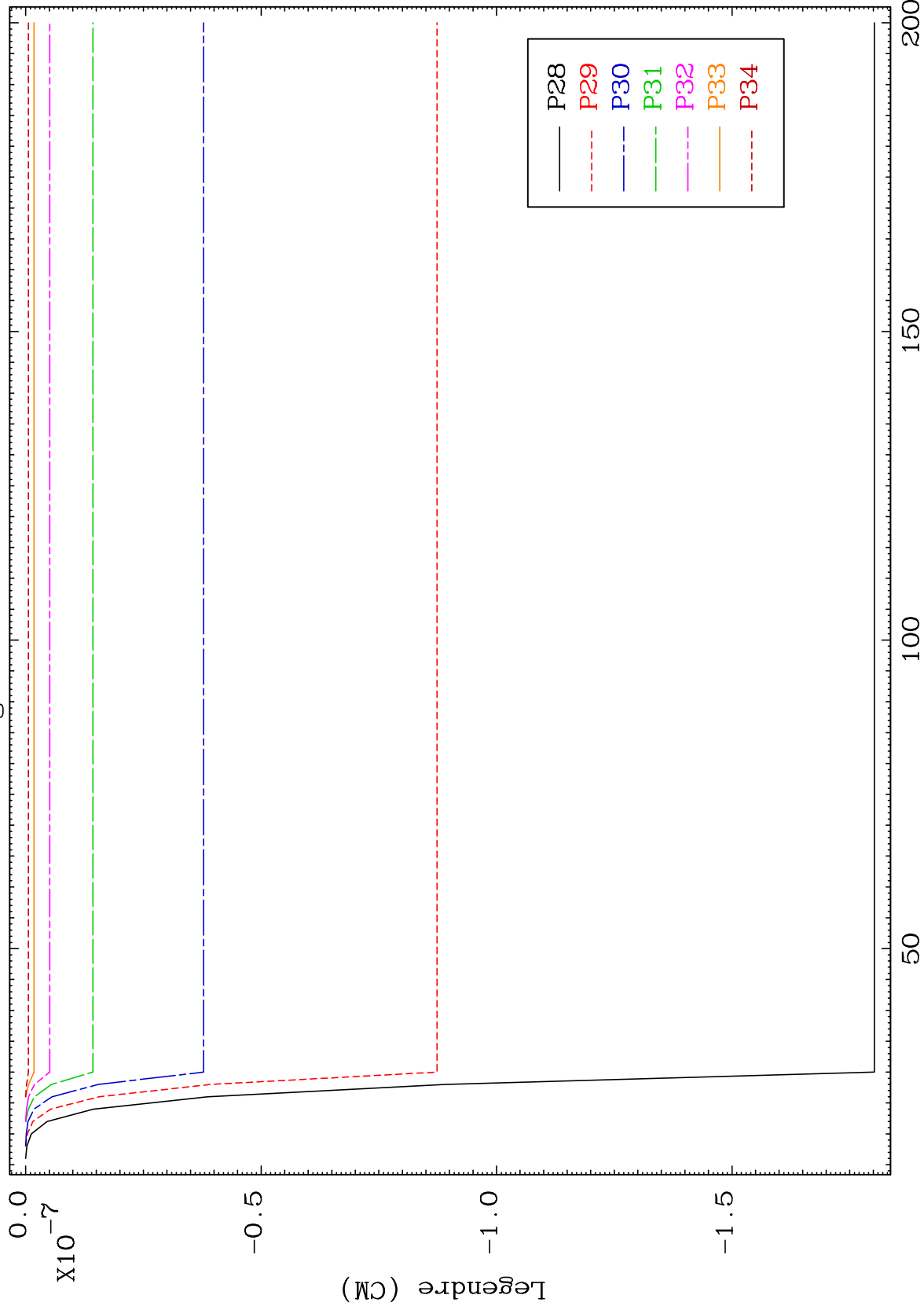
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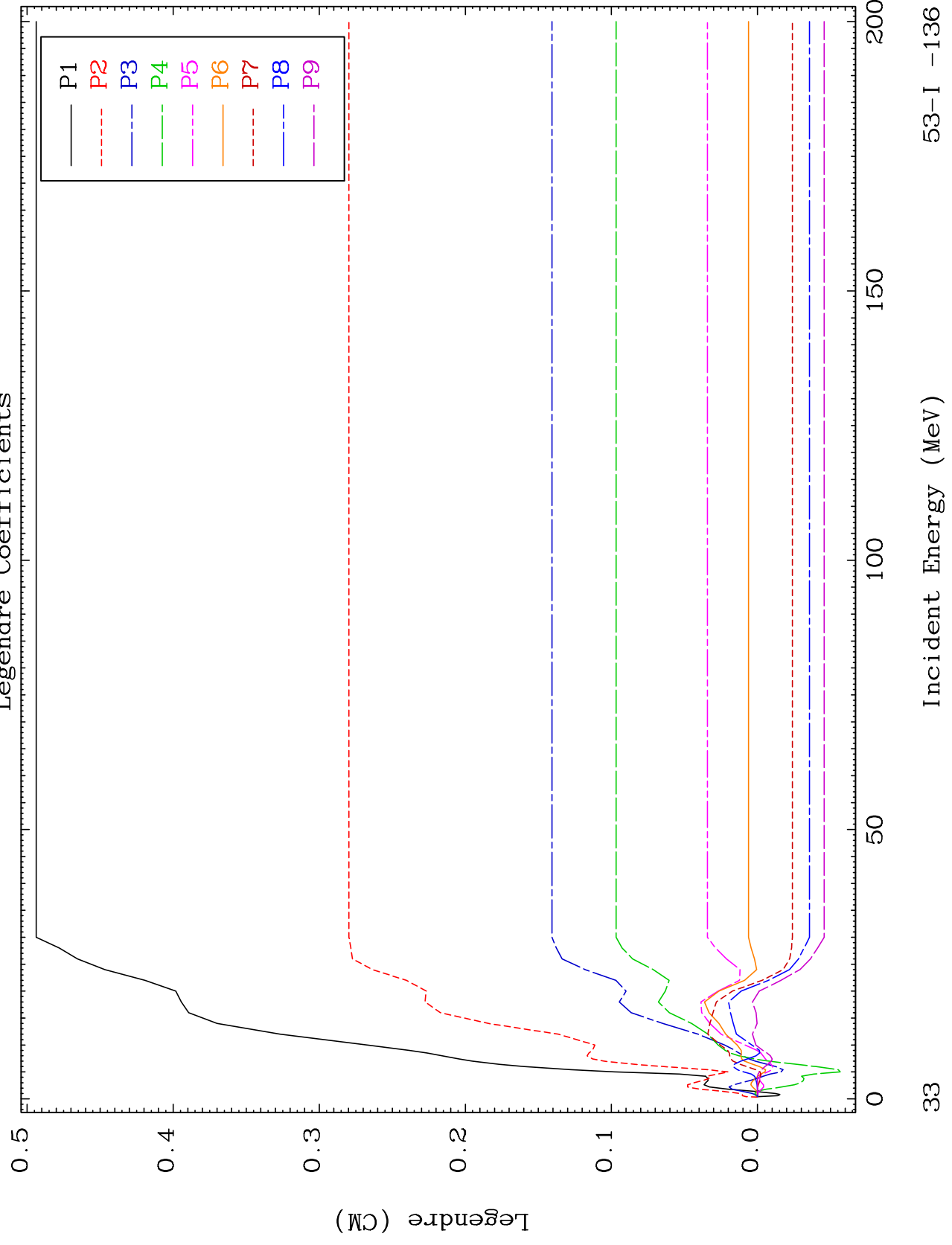
Incident Energy (MeV)

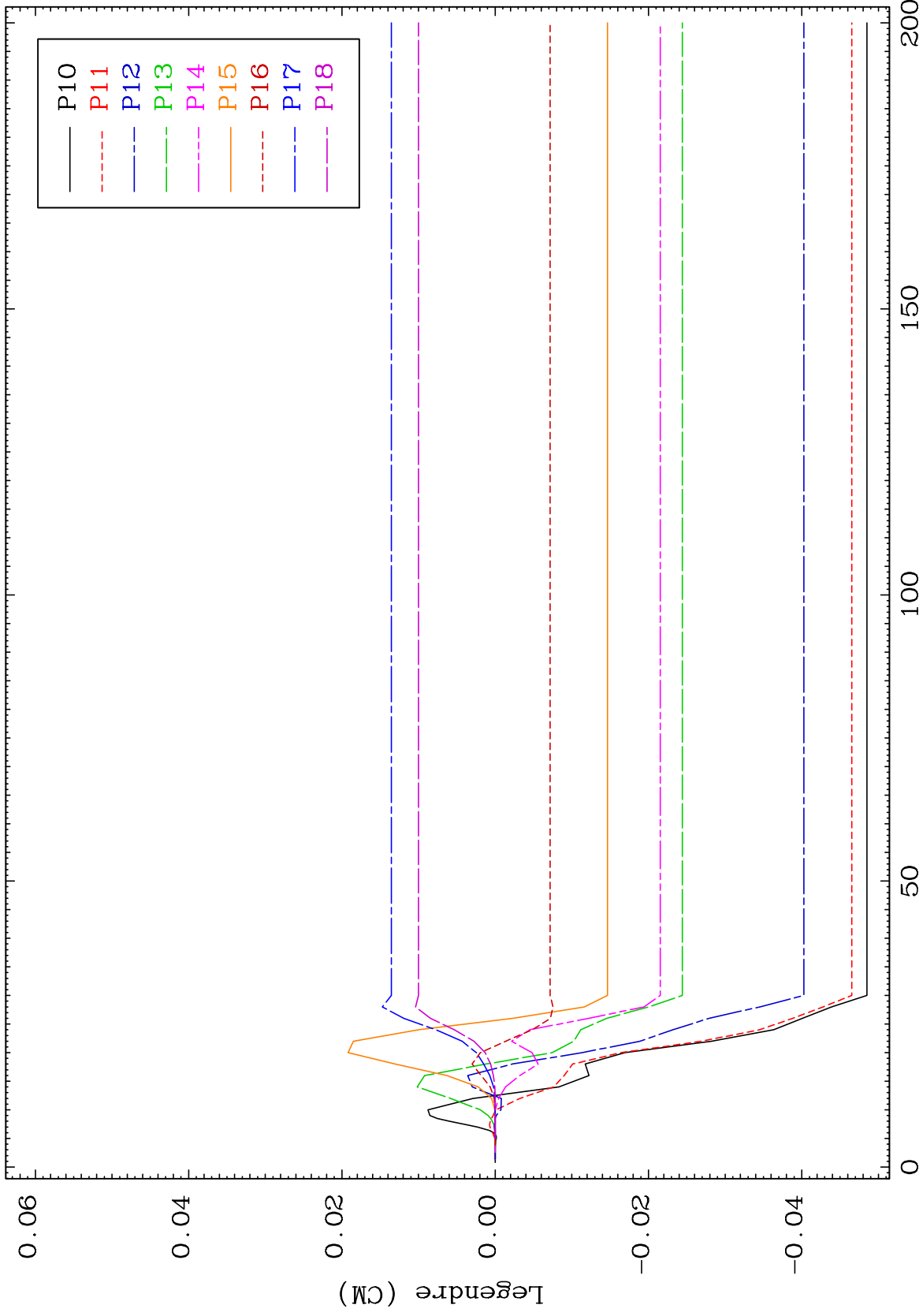
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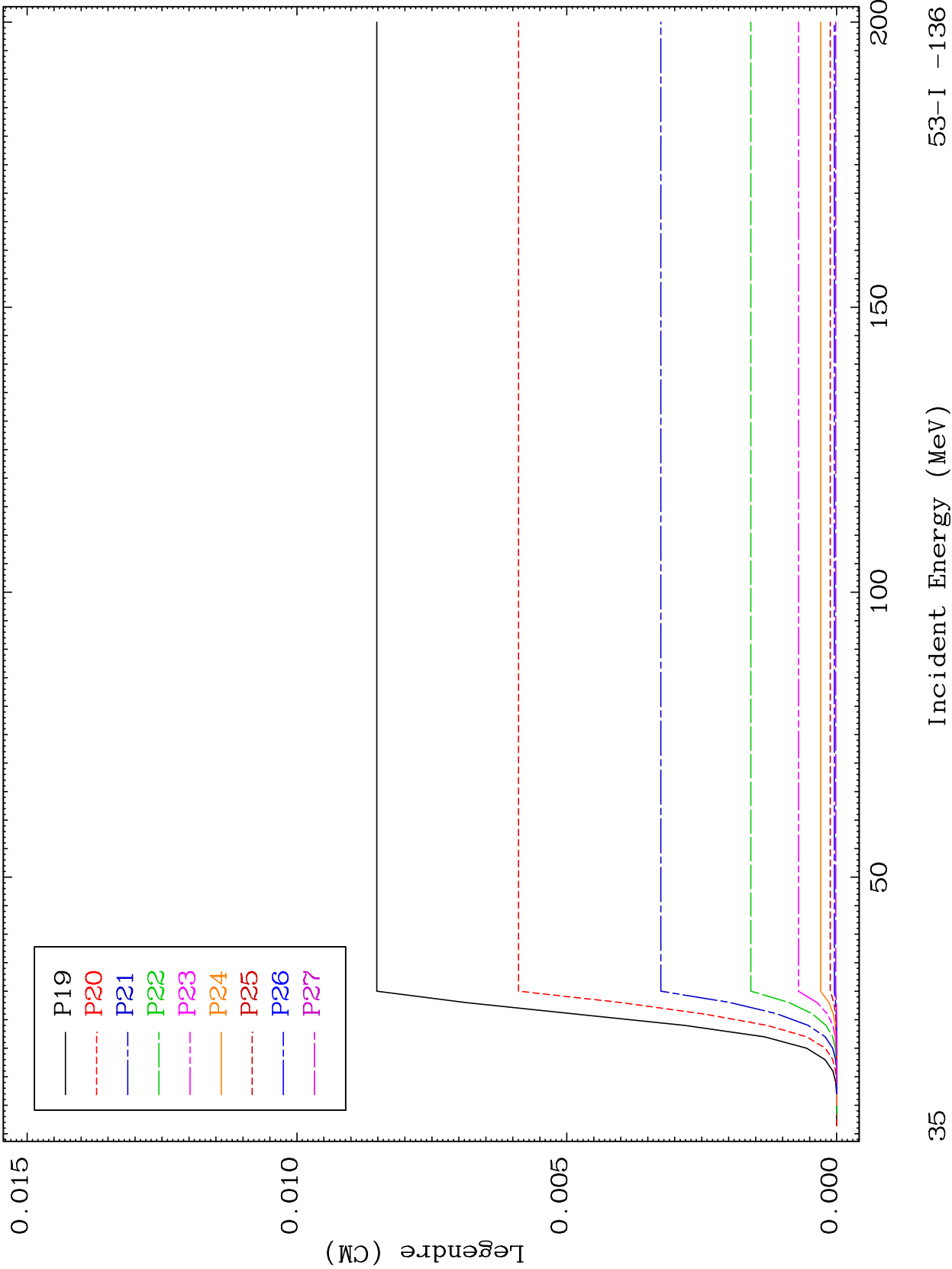


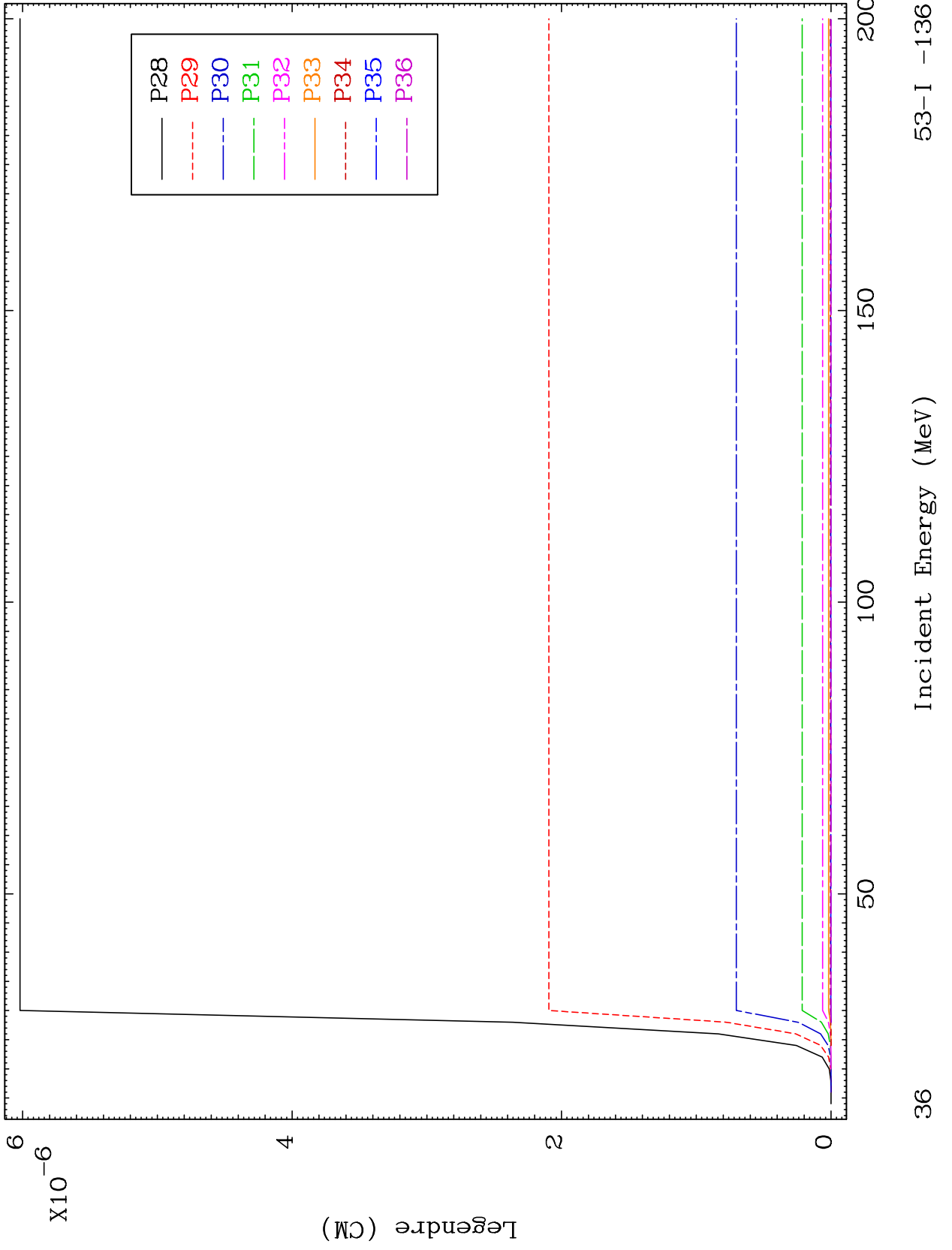
Legendre Coefficients

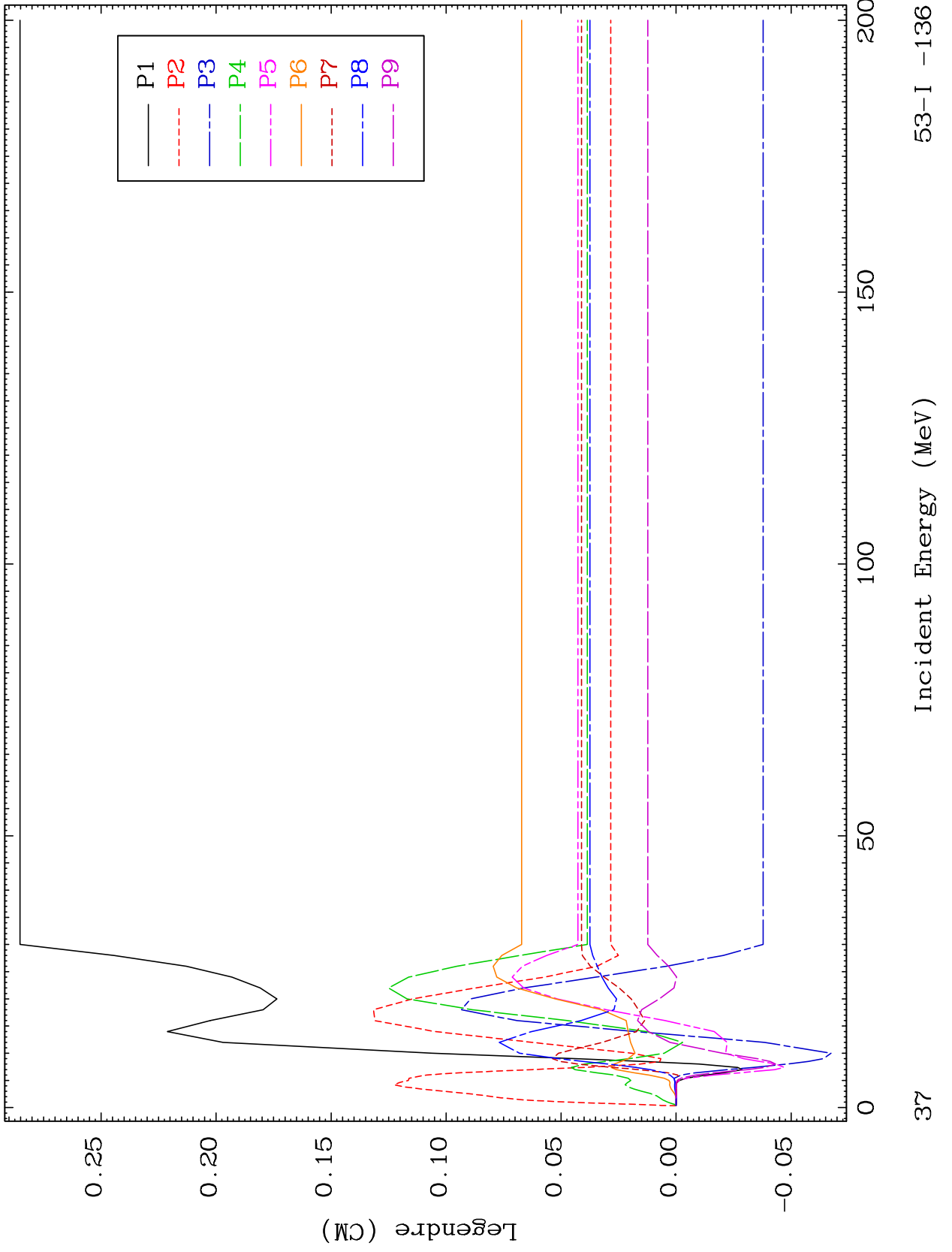


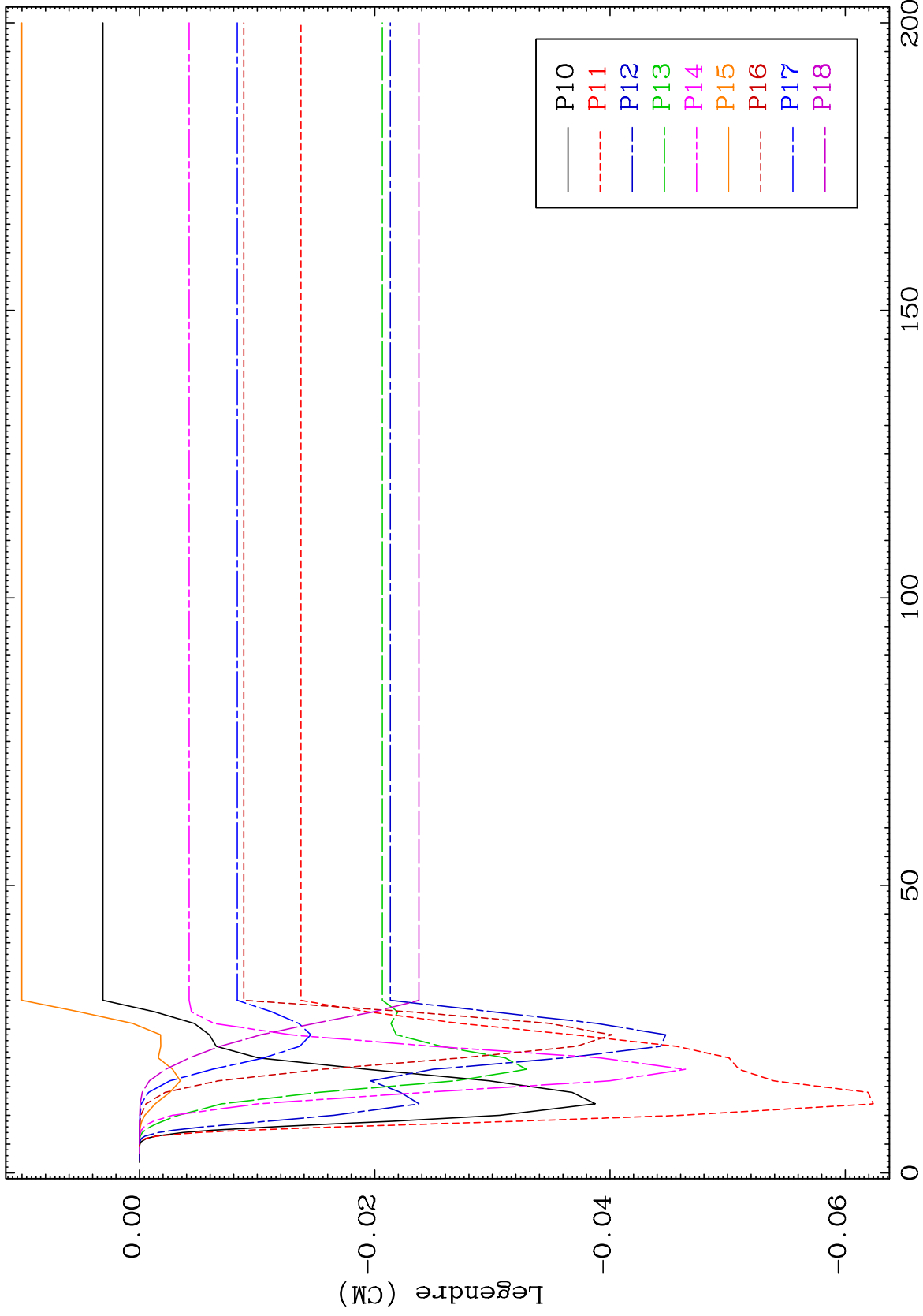


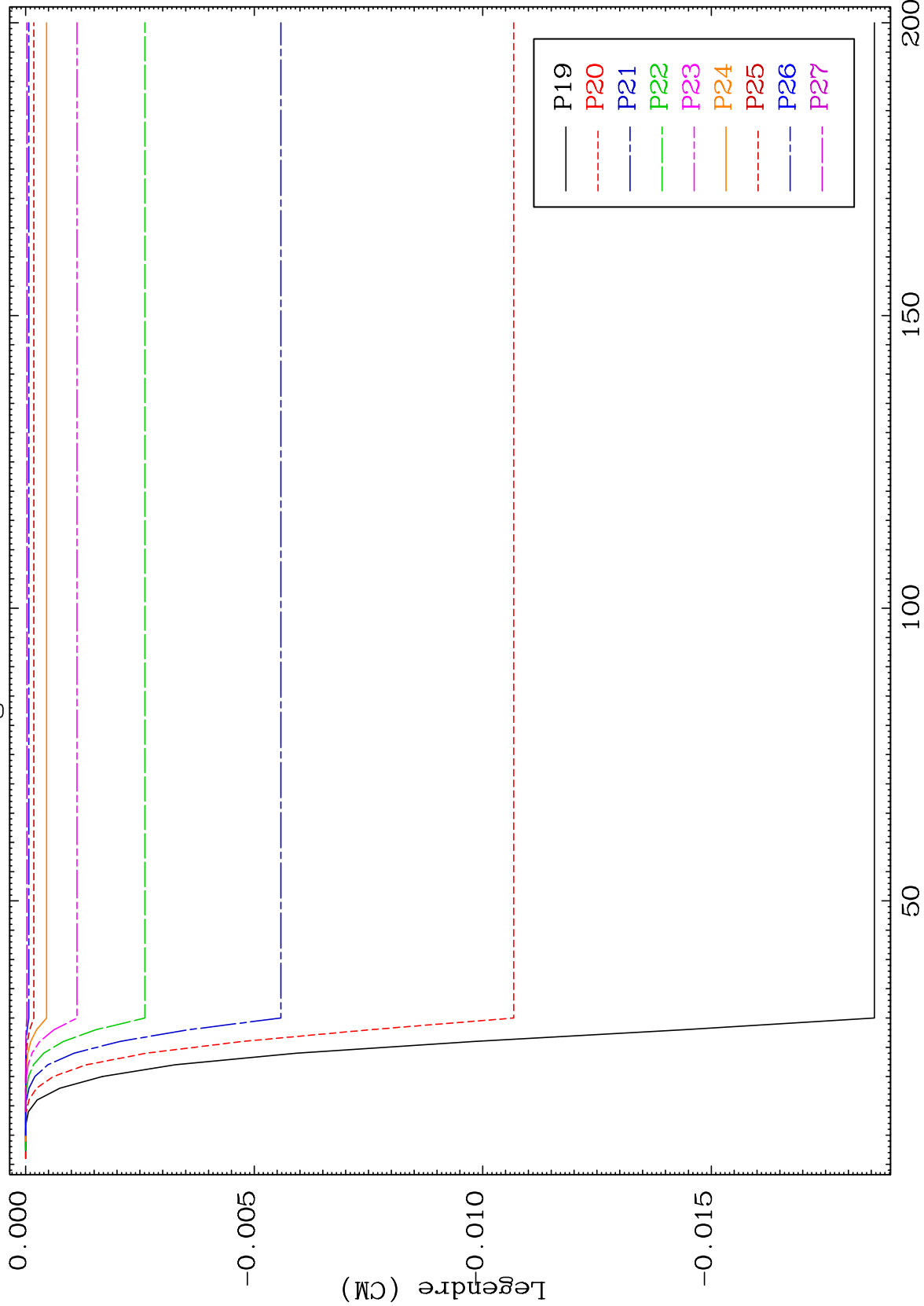








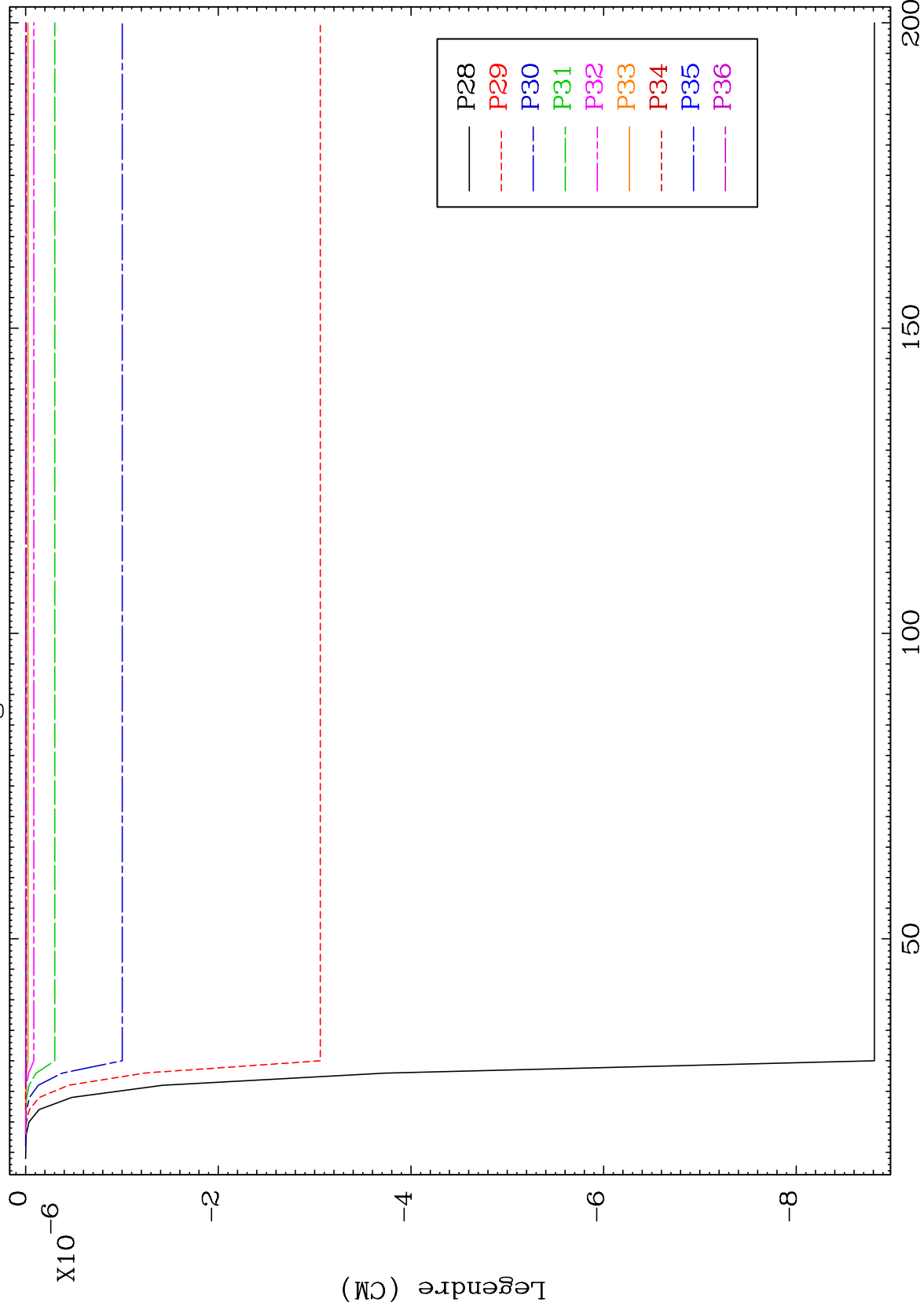




MAT 5352

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

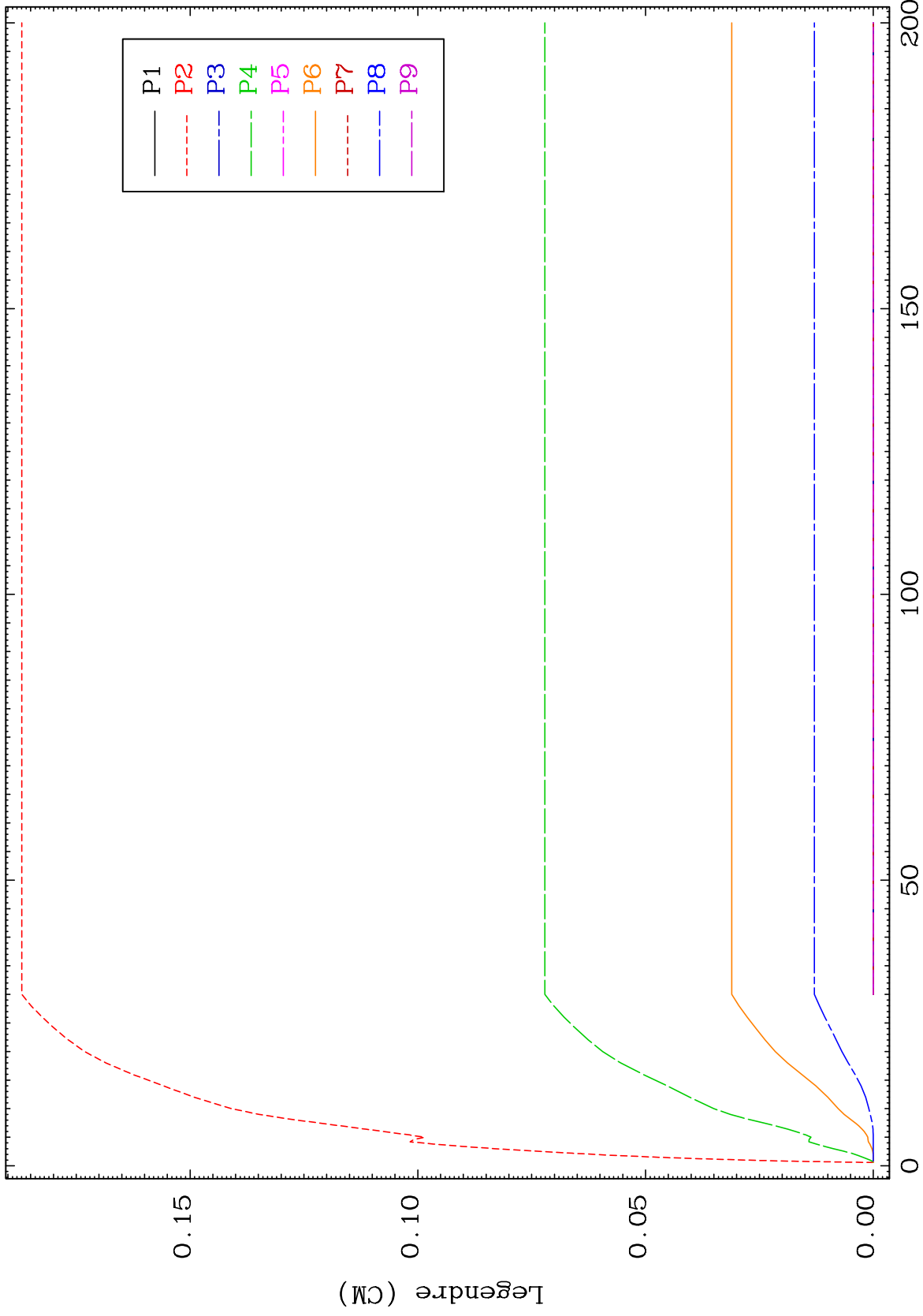
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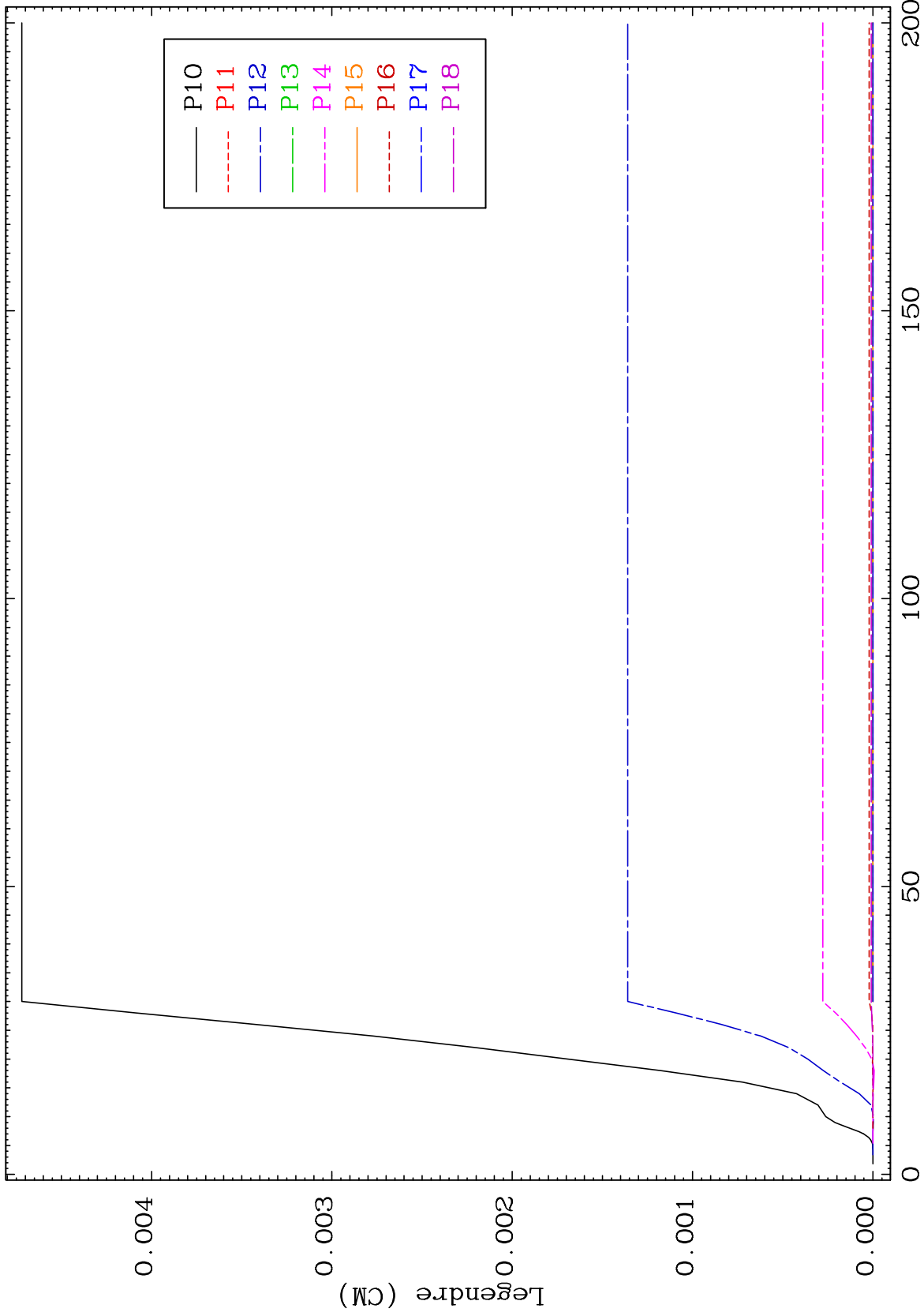


40

Incident Energy (MeV)

53-I -136

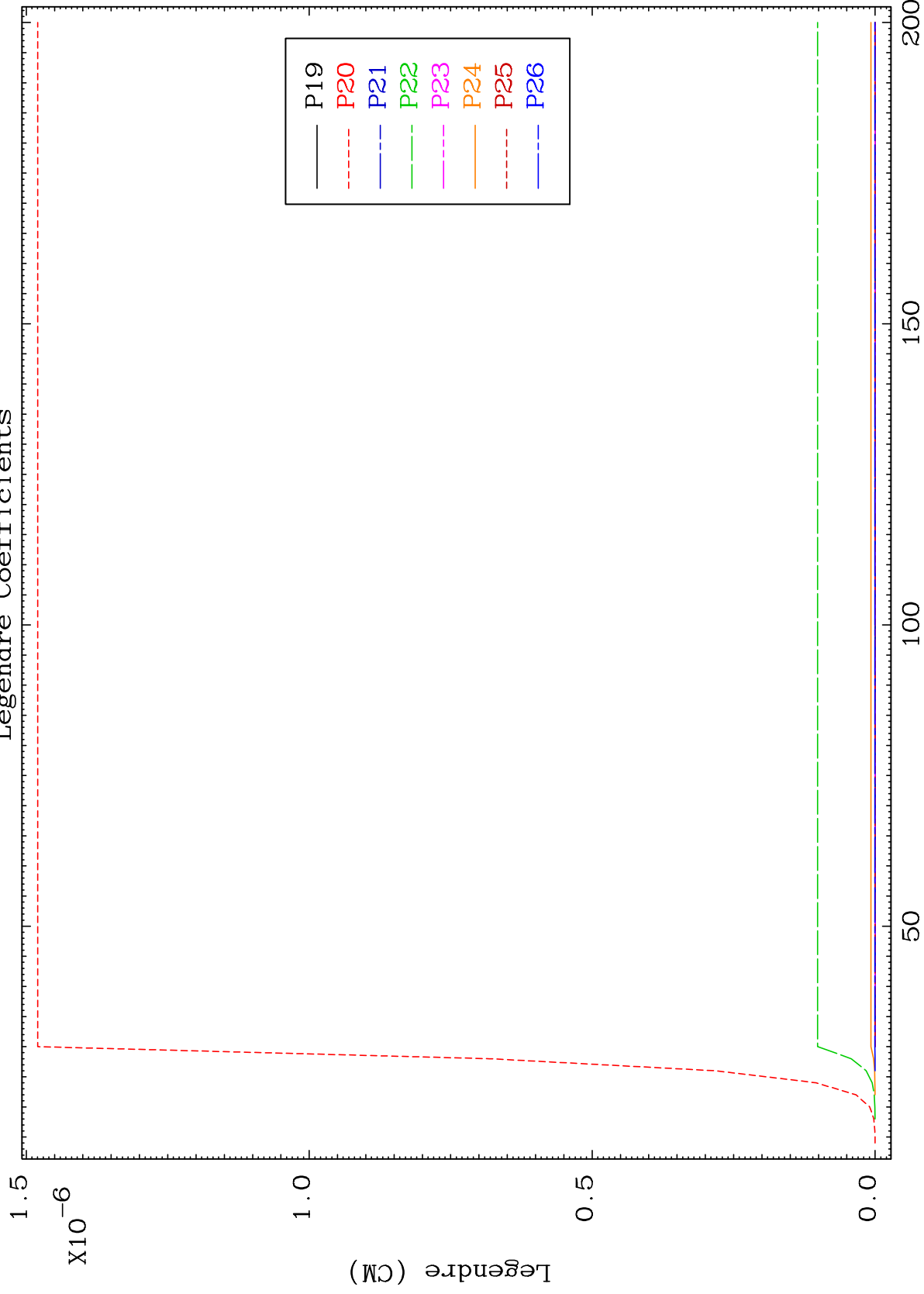




MAT 5352

MT= 57 (n,n') Level
Legendre Coefficients

53-I -136



43

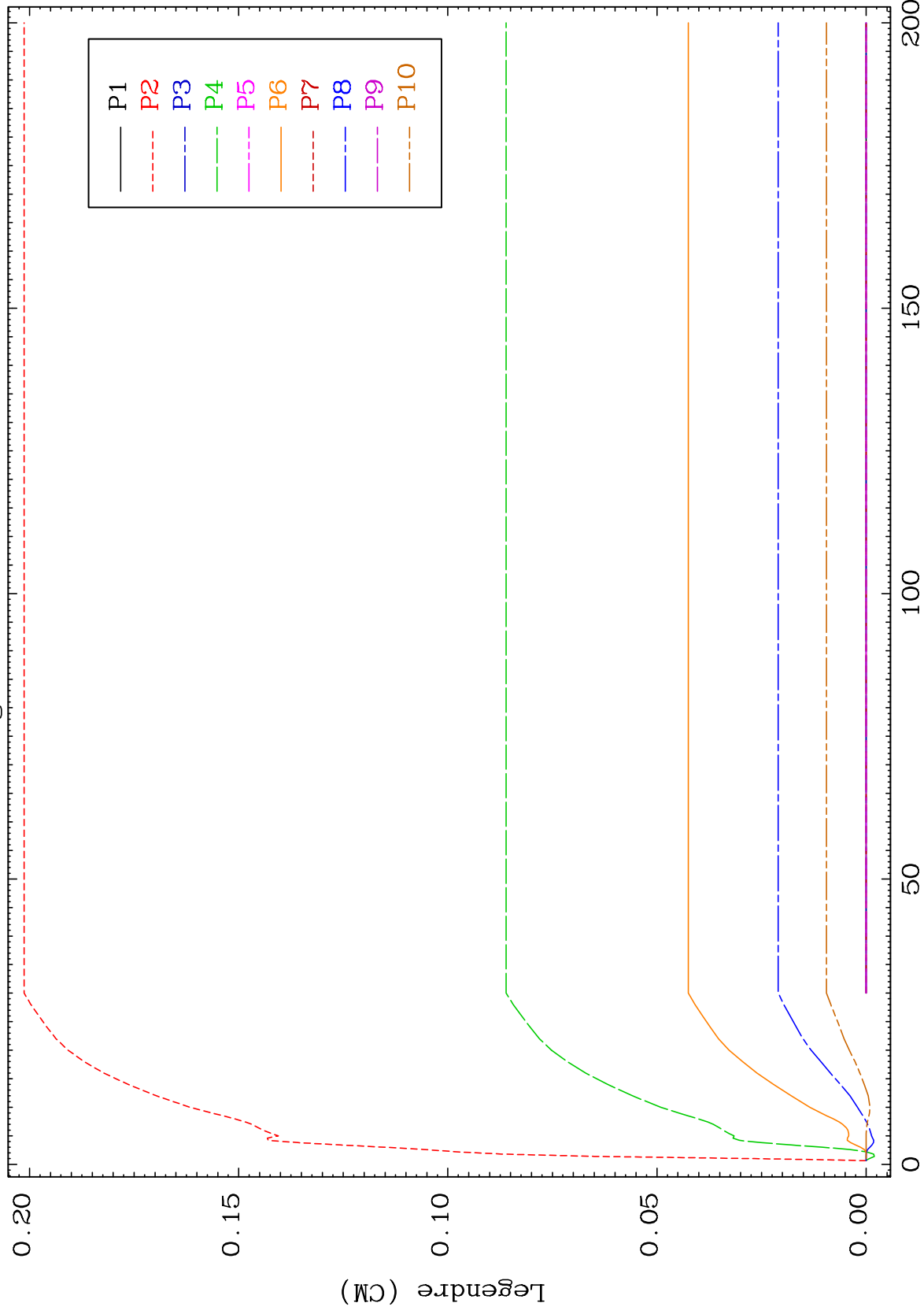
Incident Energy (MeV)

53-I -136

MAT 5352

MT= 58 (n,n') Level
Legendre Coefficients

53-I -136



44

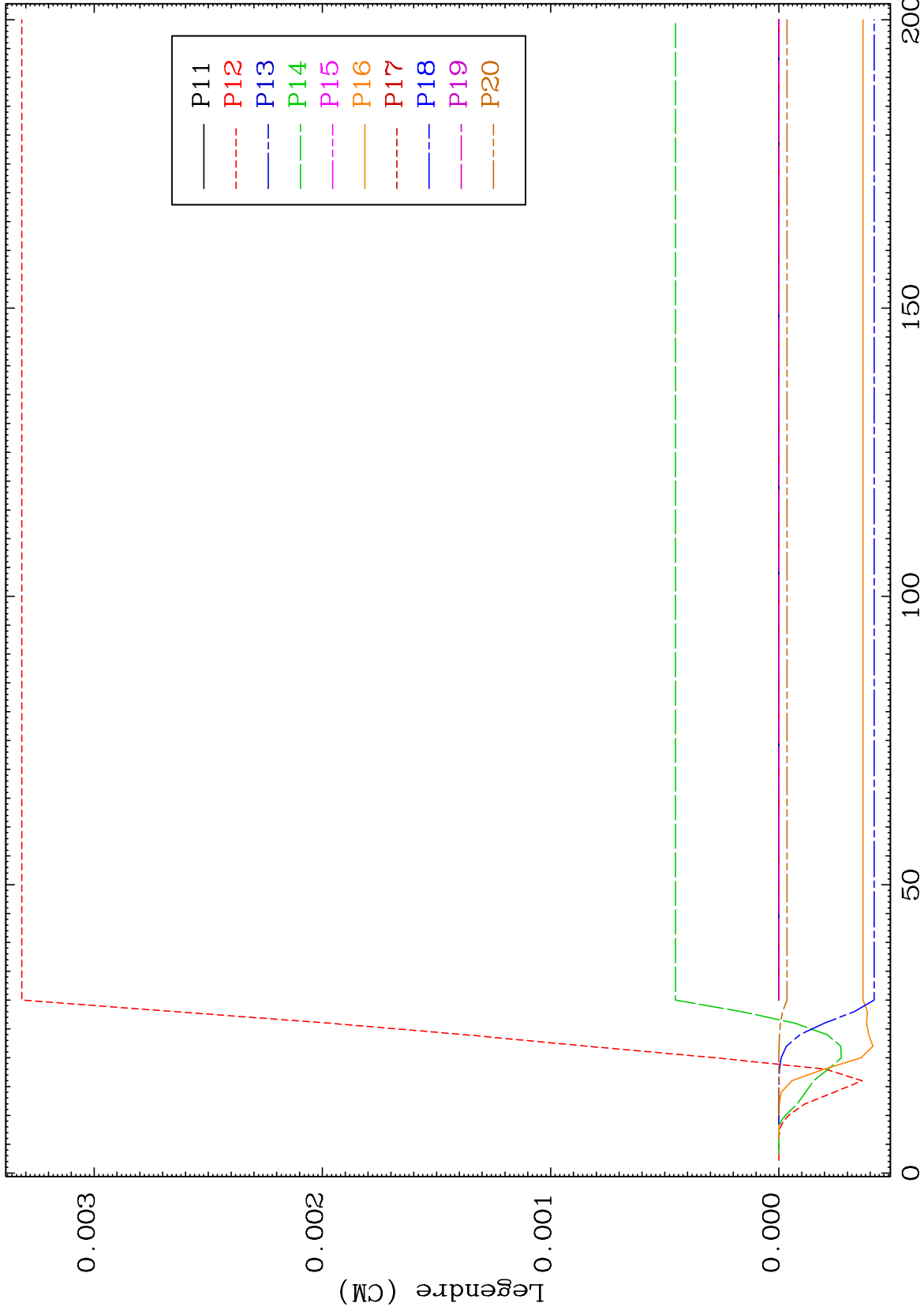
Incident Energy (MeV)

53-I -136

MAT 5352

MT= 58 (n,n') Level
Legendre Coefficients

53-I -136



53-I -136

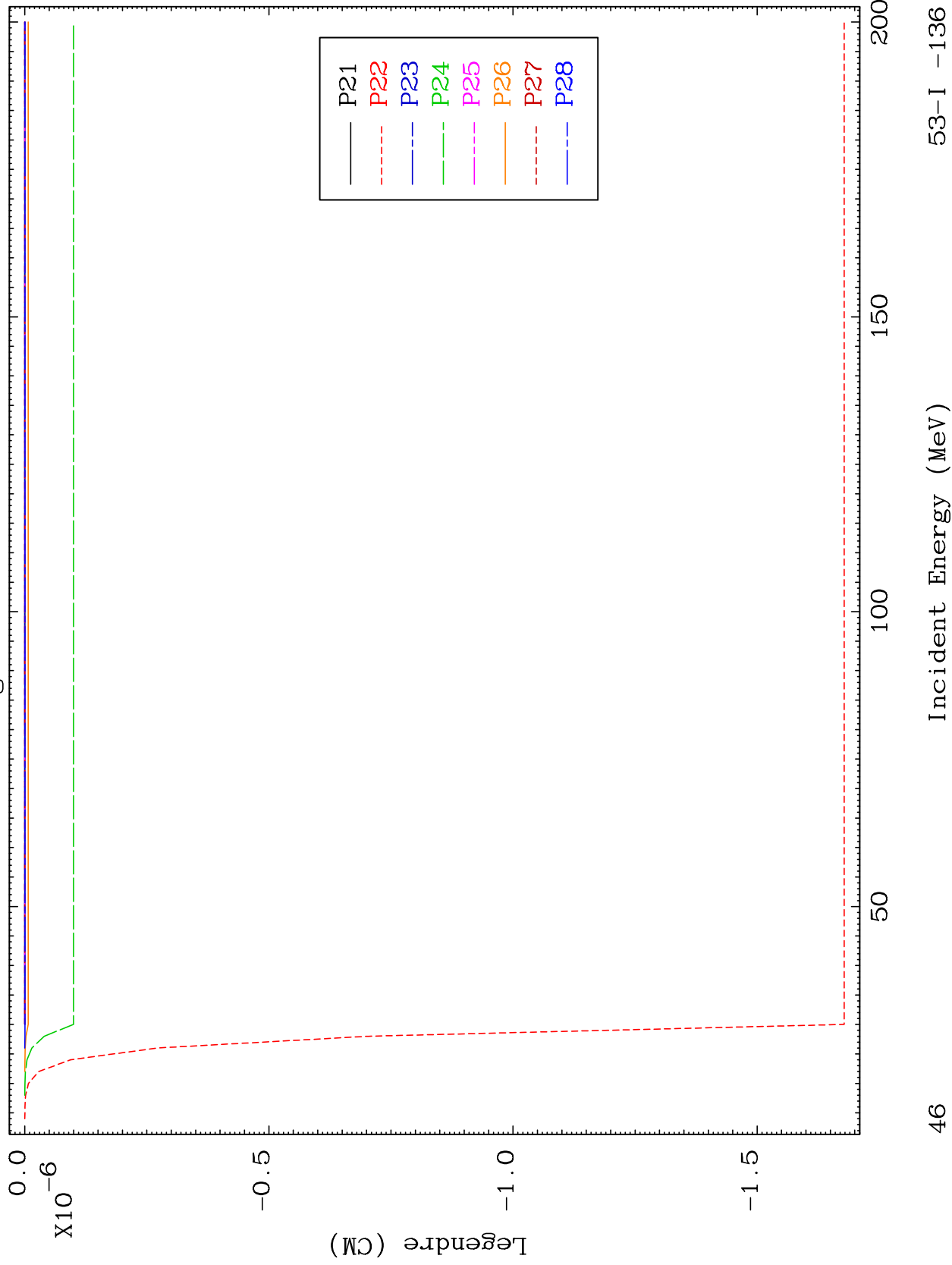
Incident Energy (MeV)

45

MAT 5352

MT= 58 (n,n') Level
Legendre Coefficients

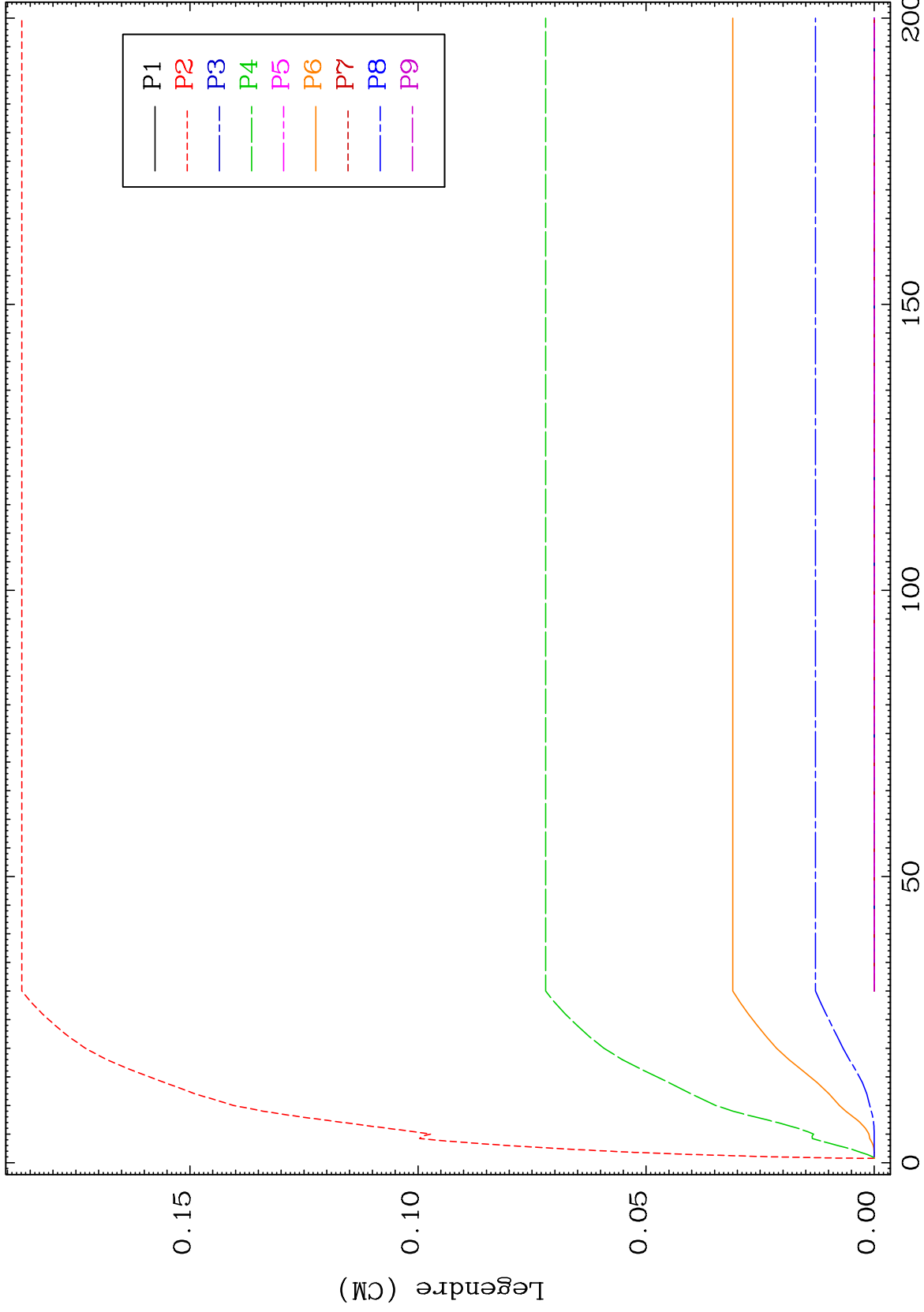
53-I -136

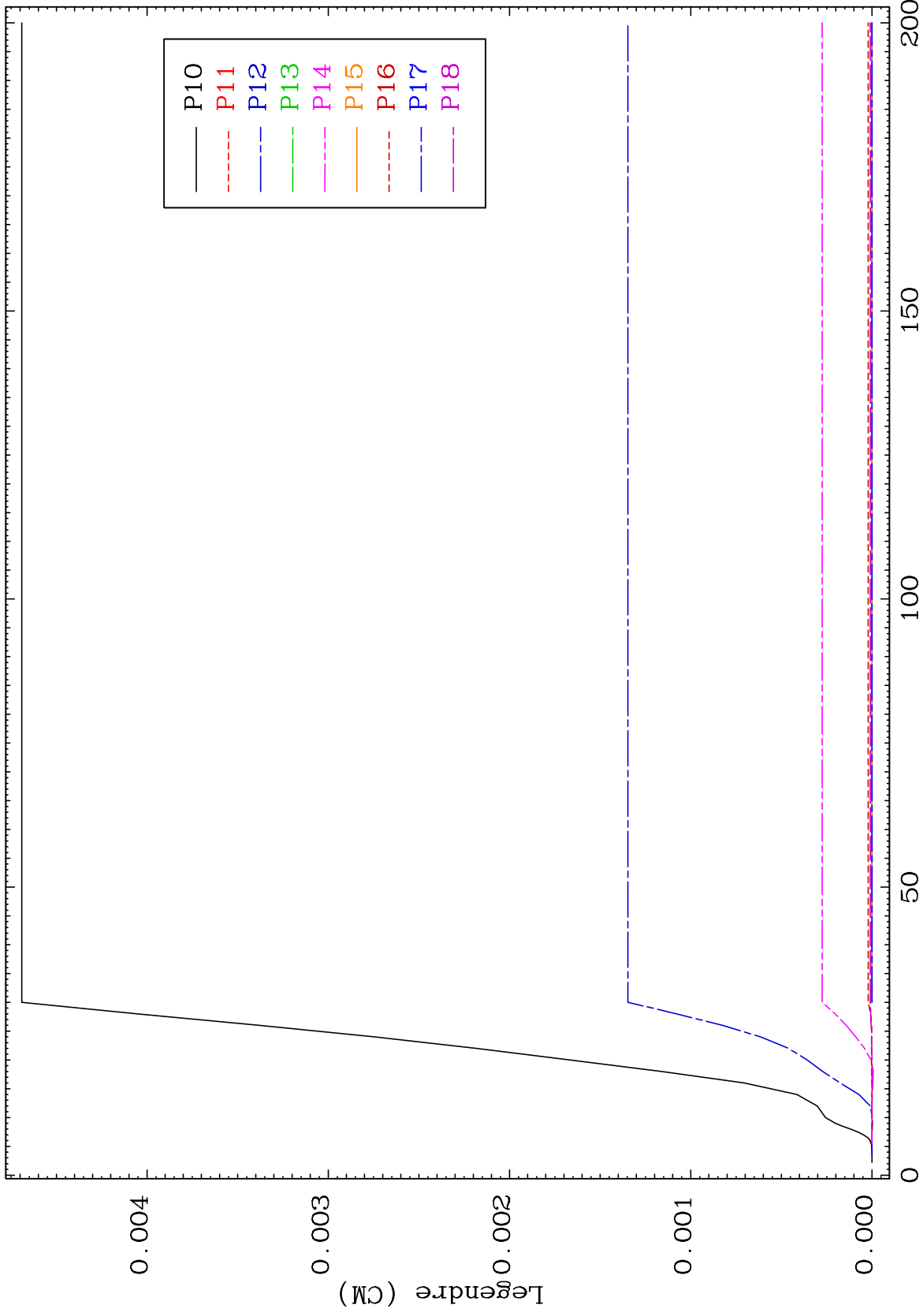


46

Incident Energy (MeV)

53-I -136

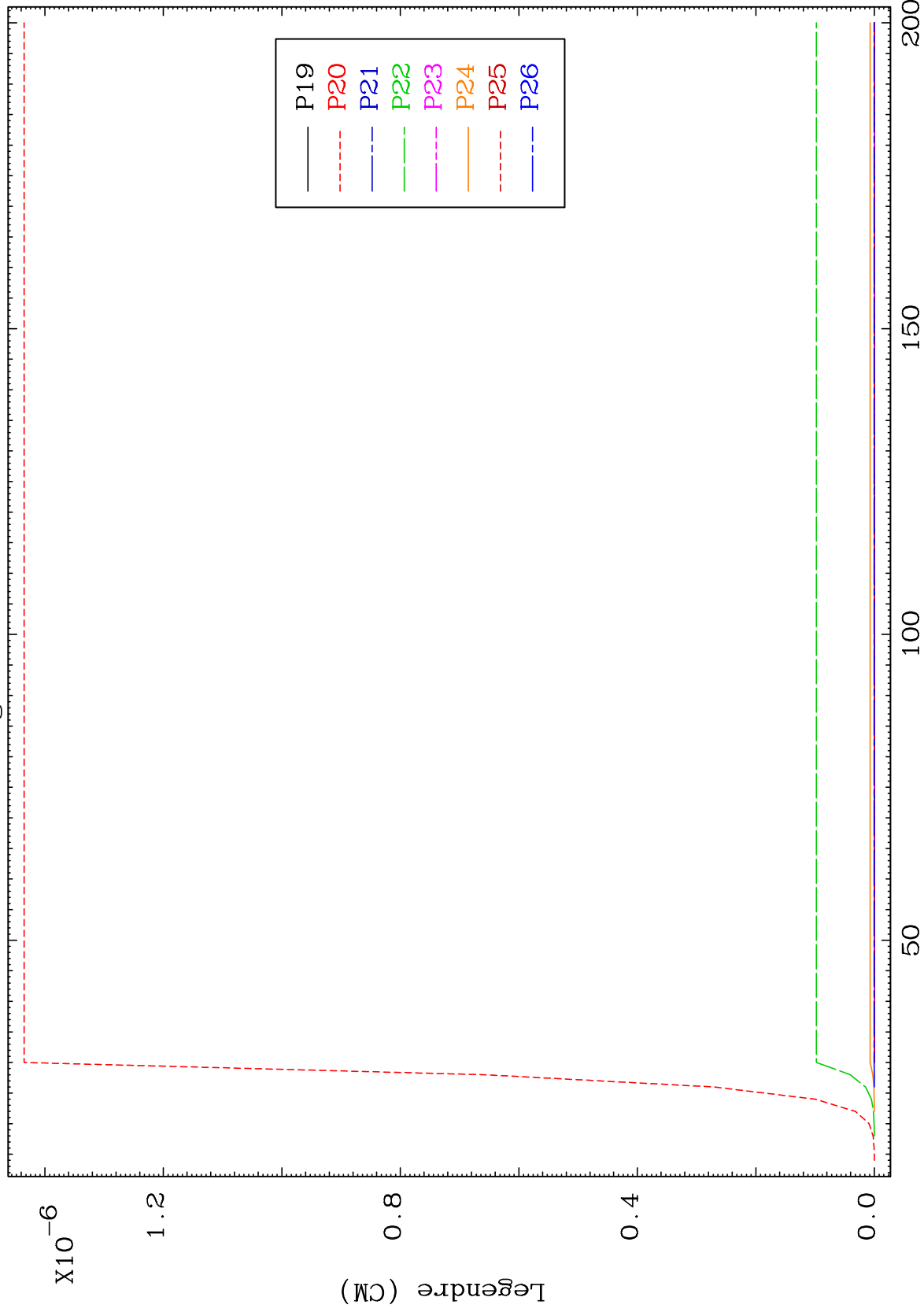




MAT 5352

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

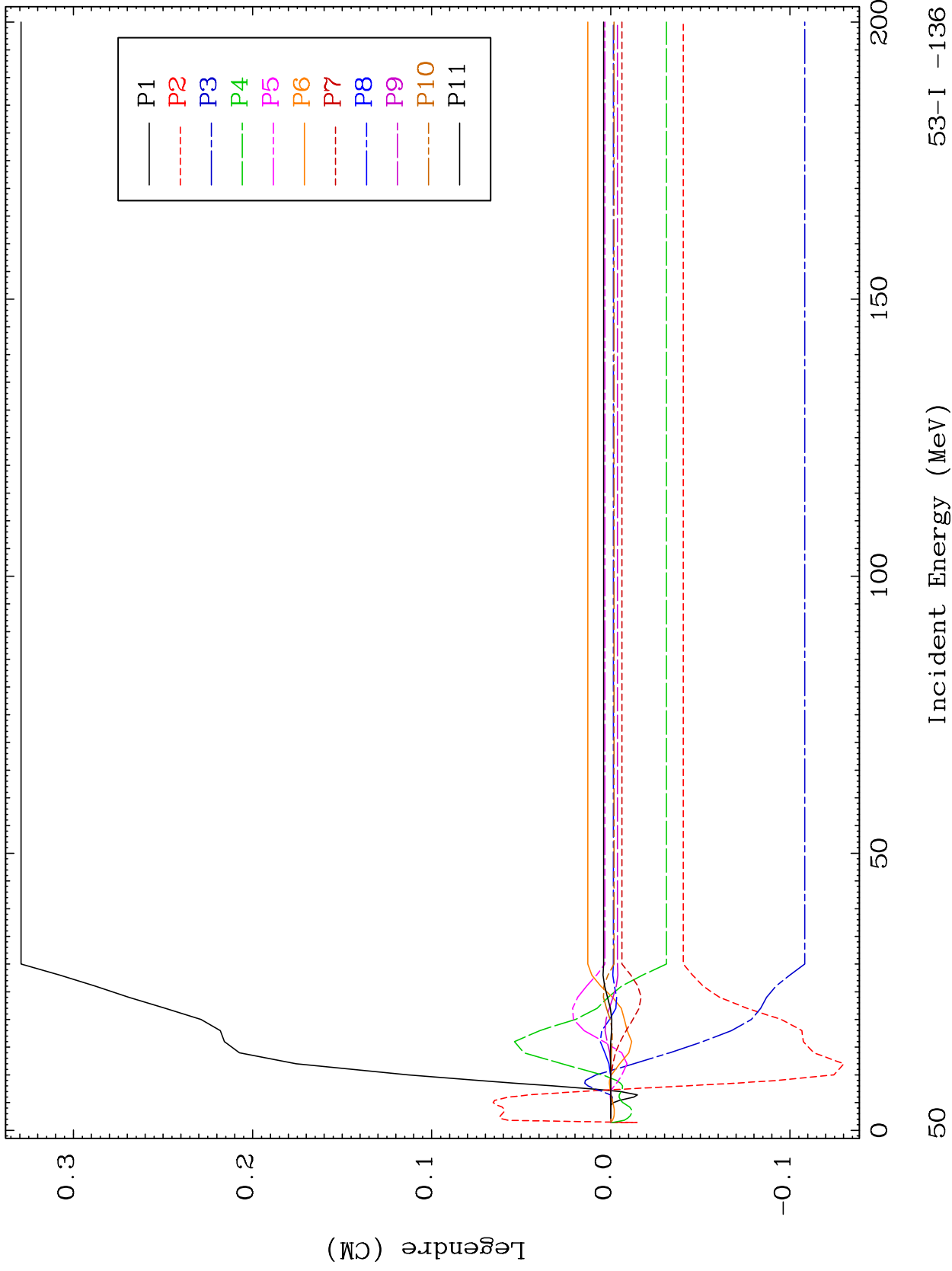
53-I -136

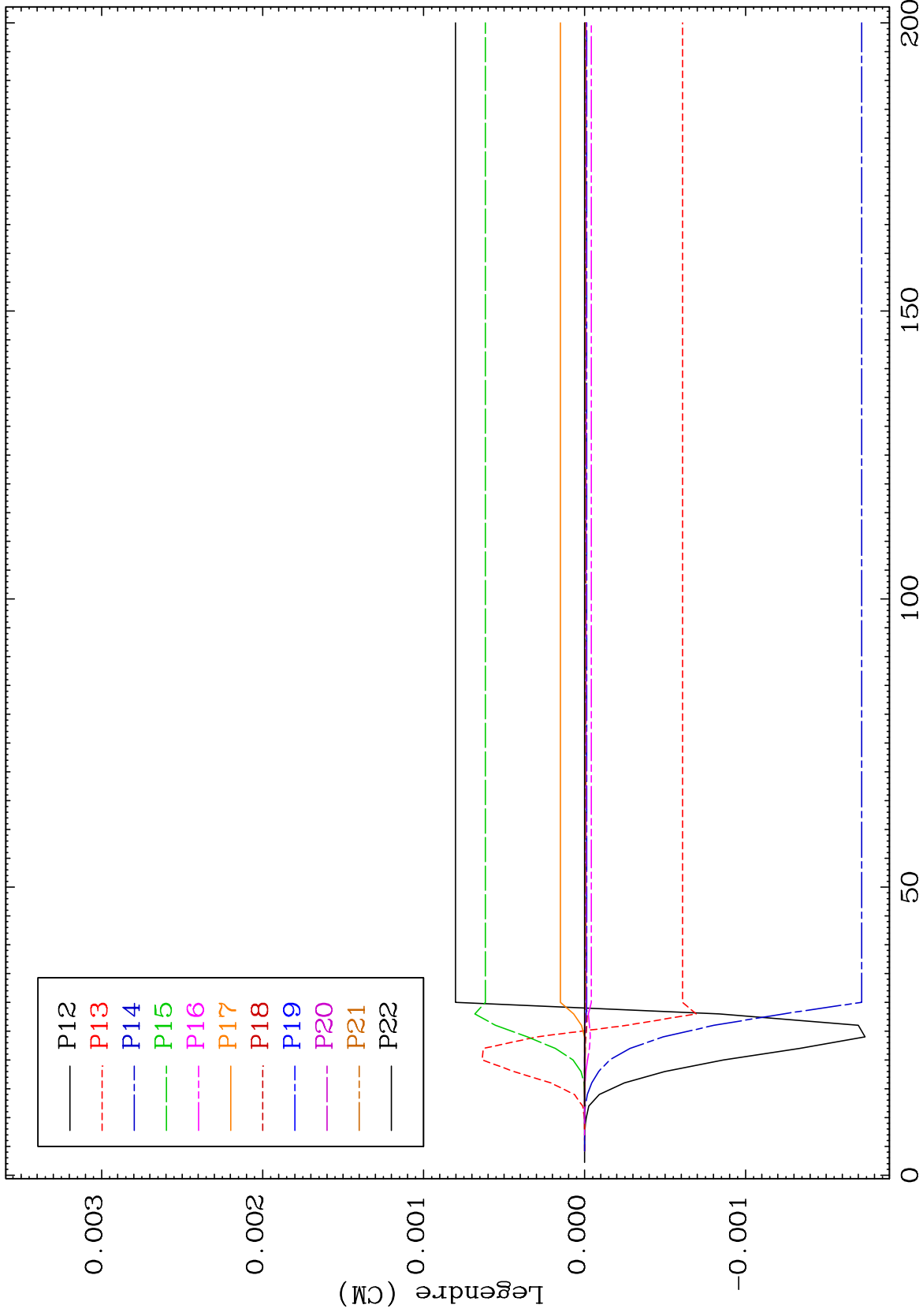


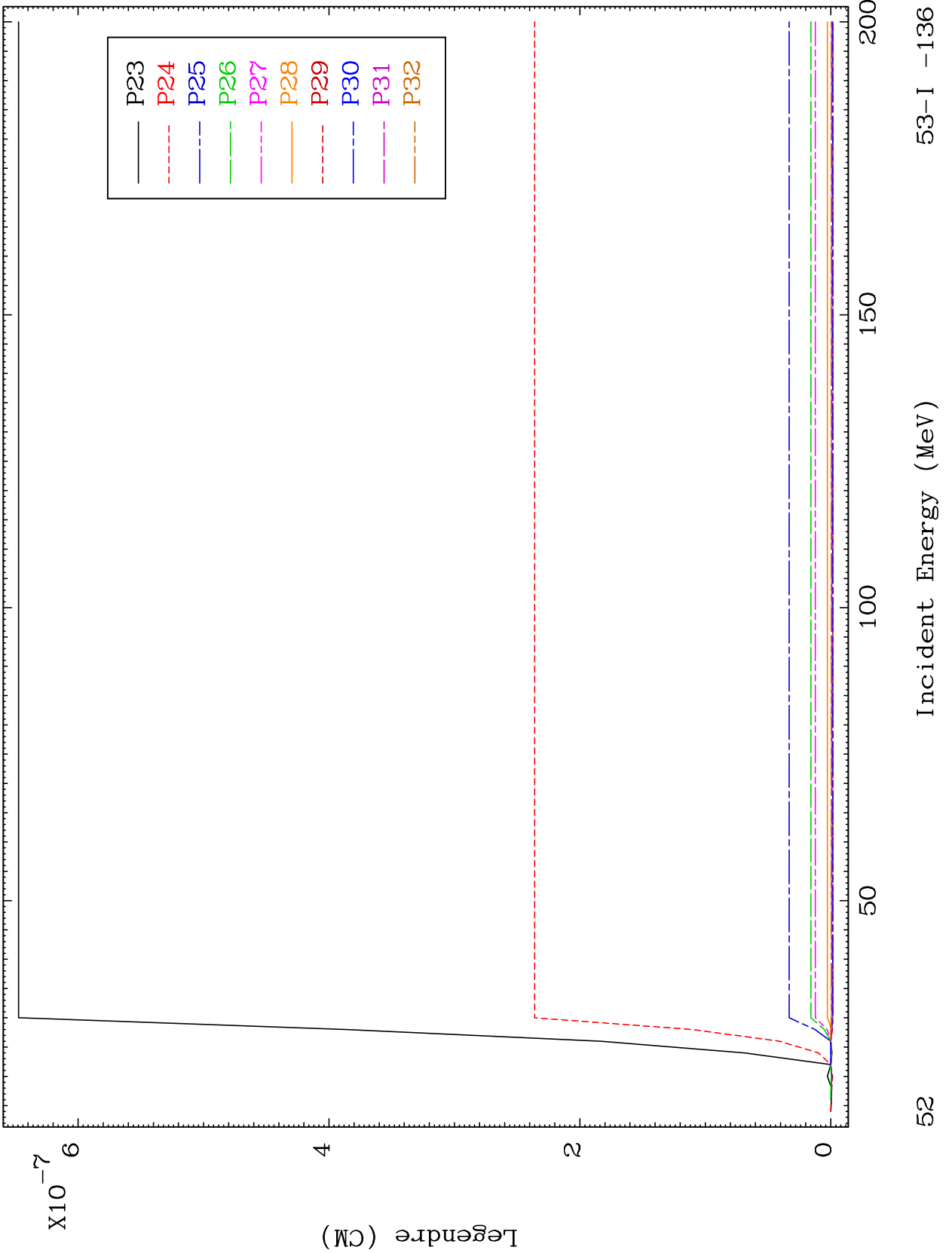
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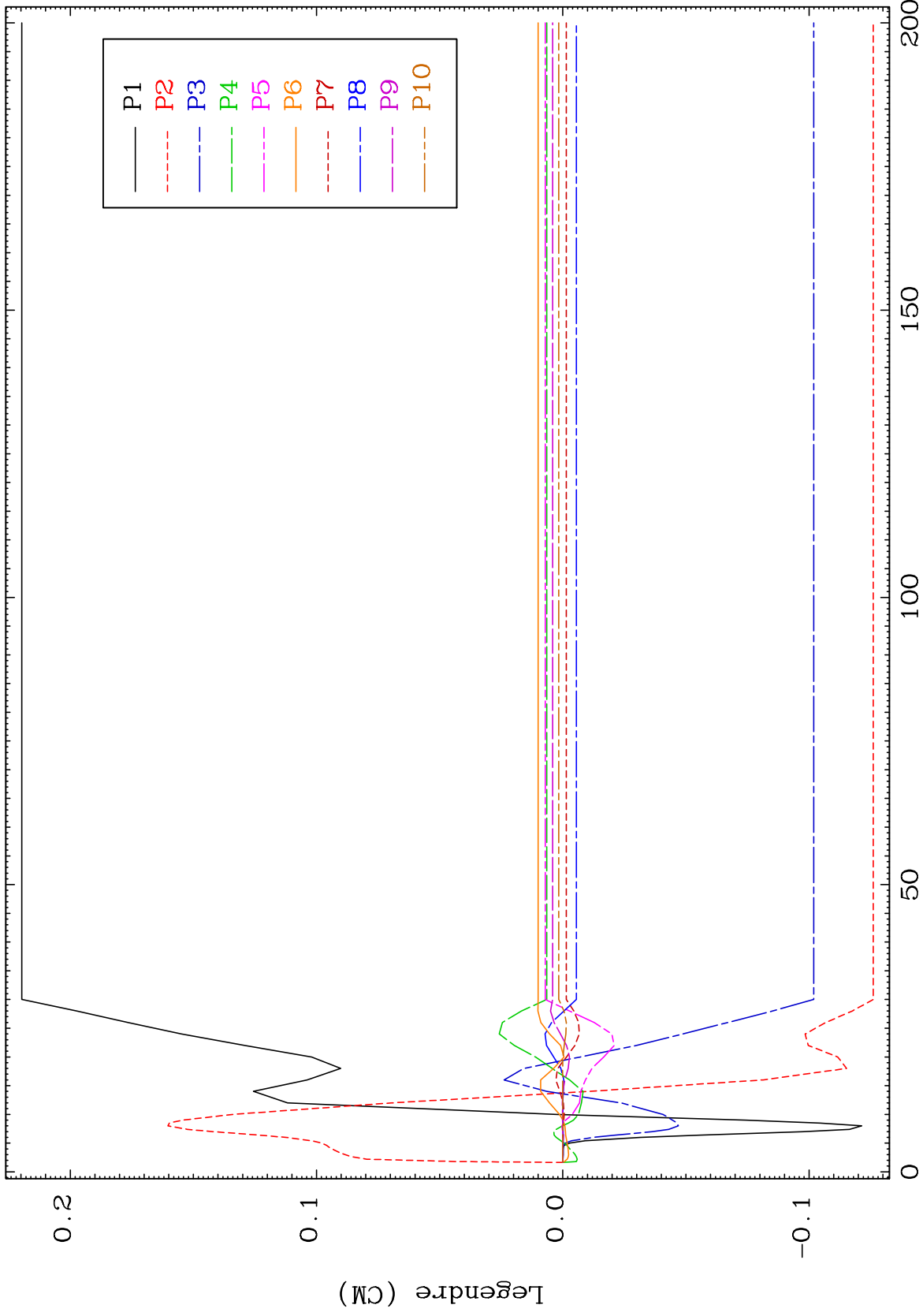
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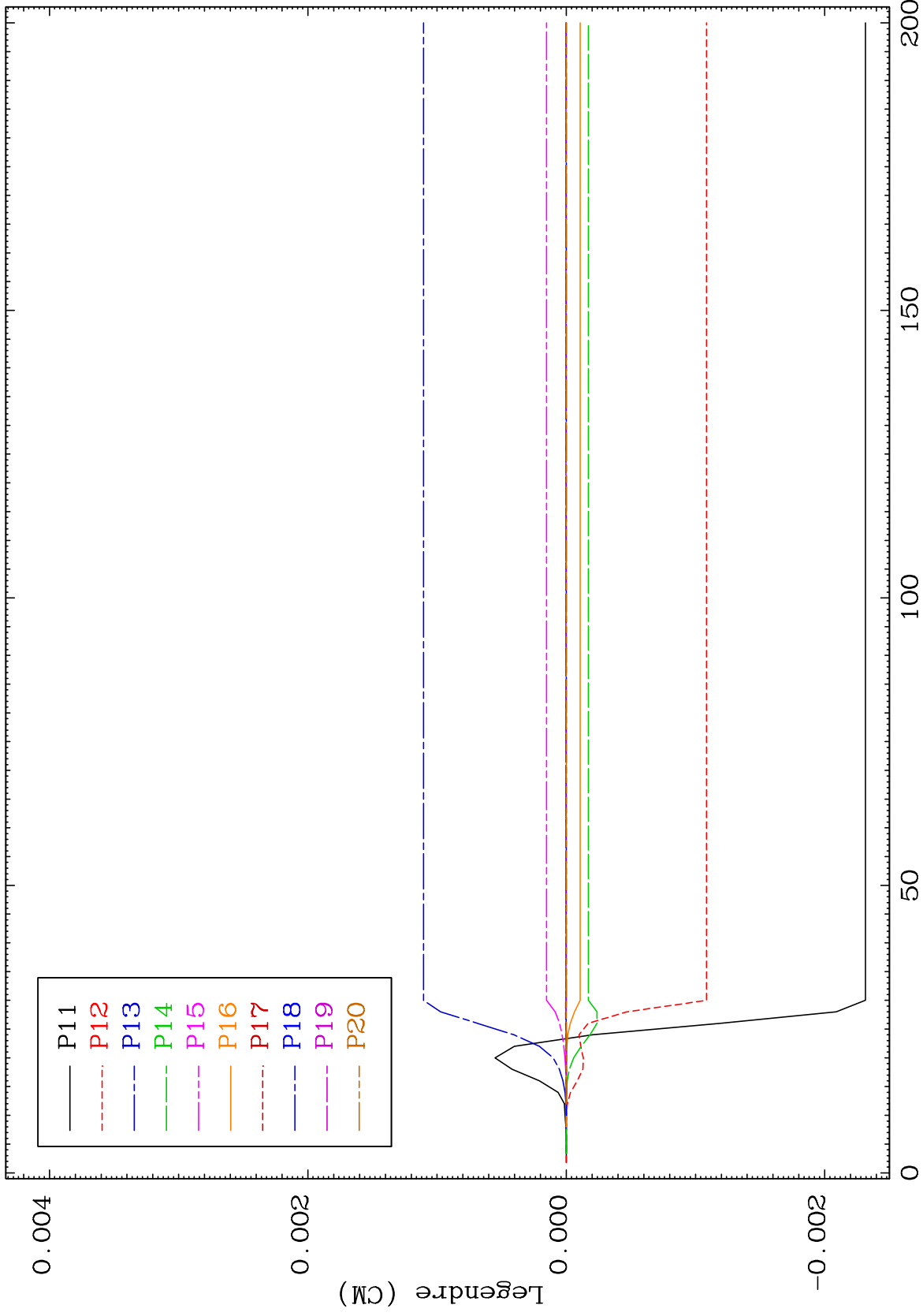
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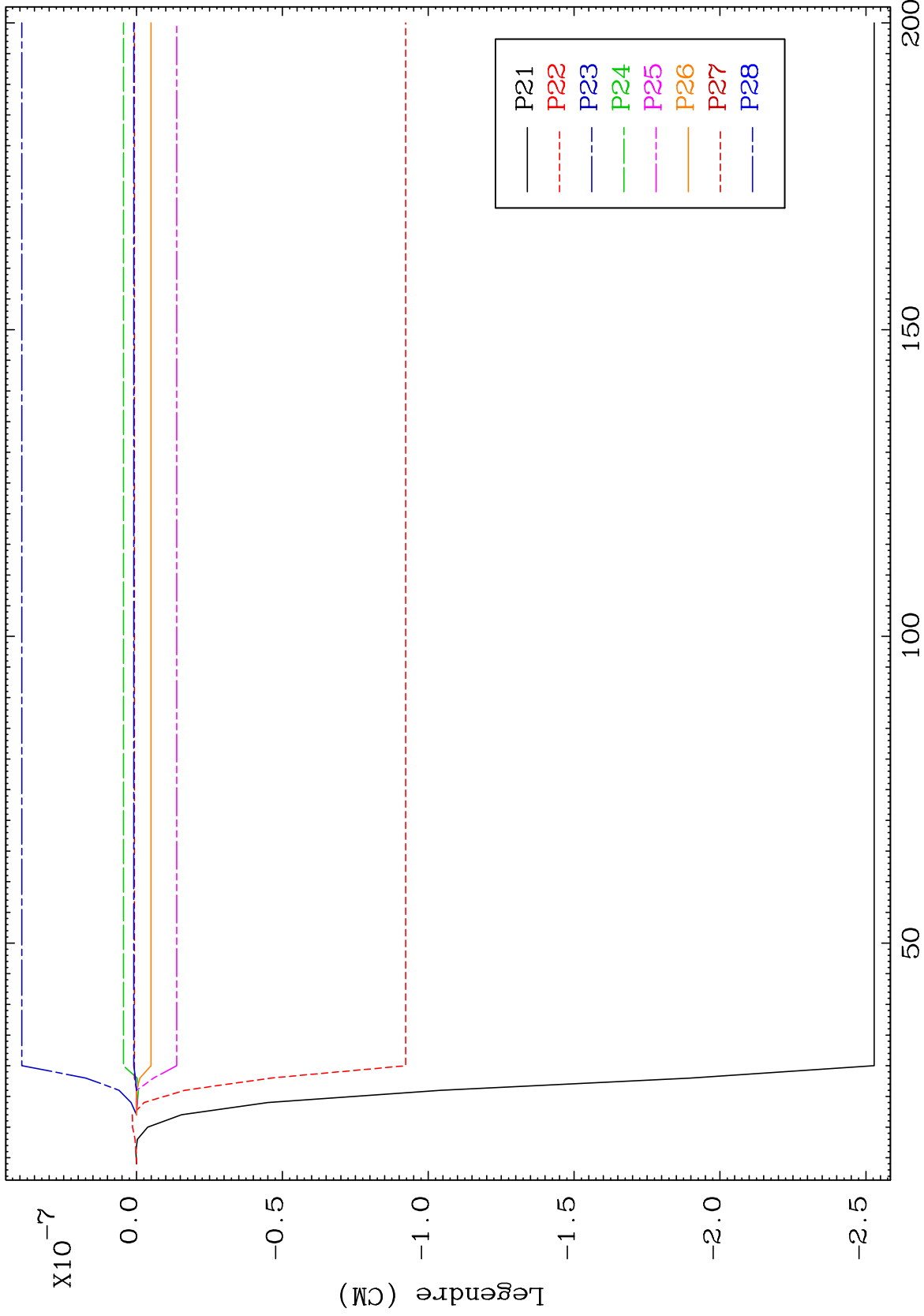


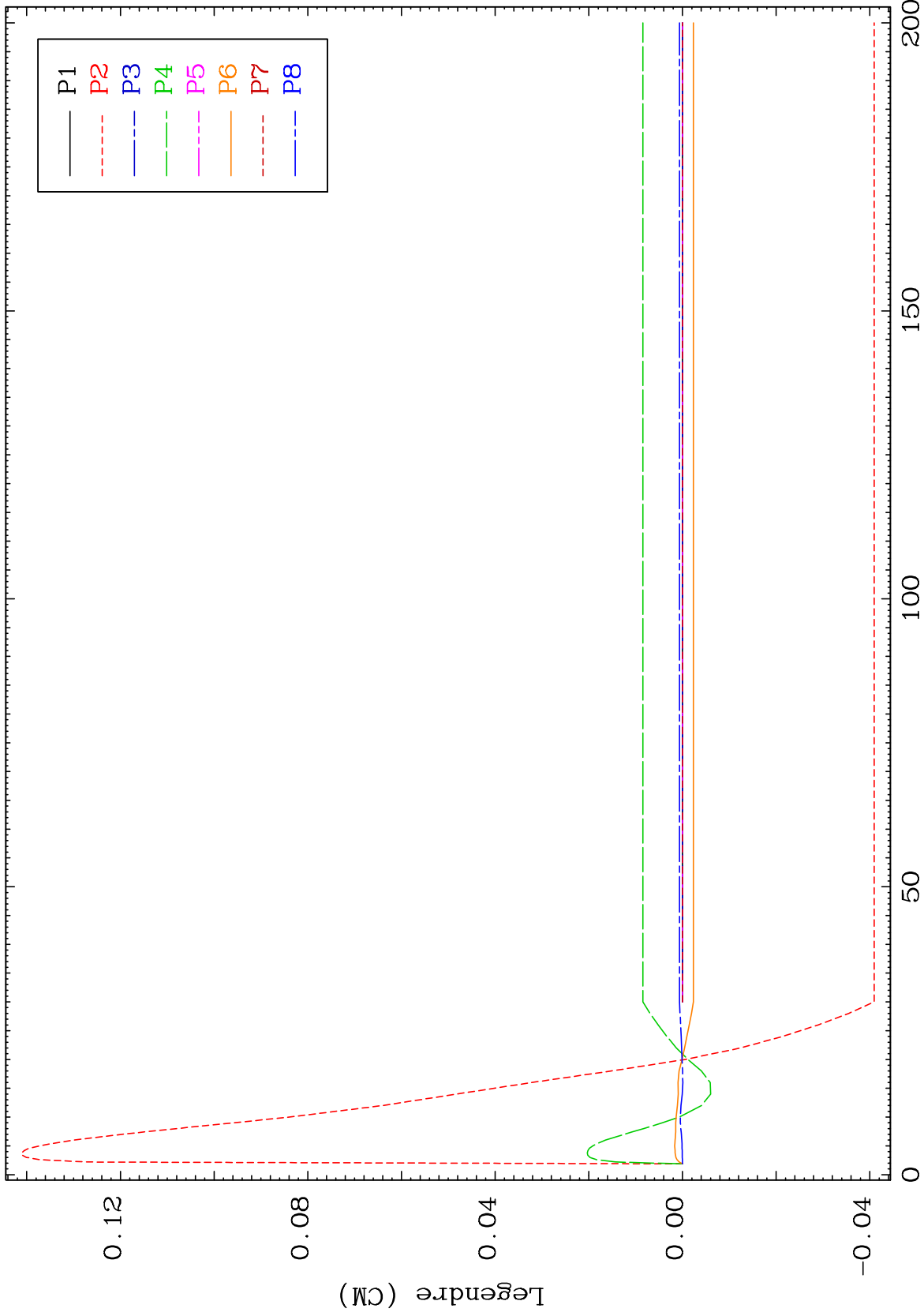


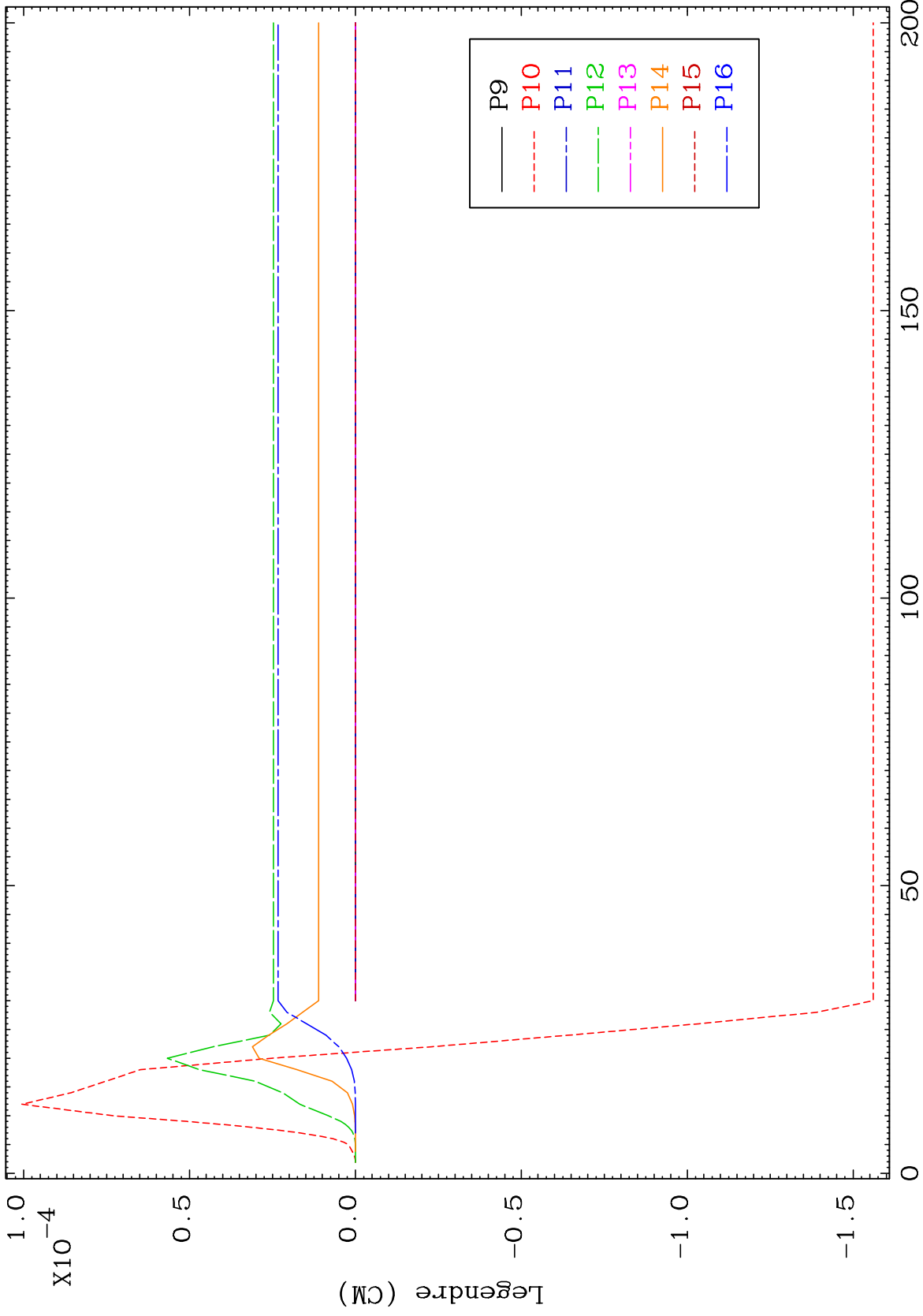








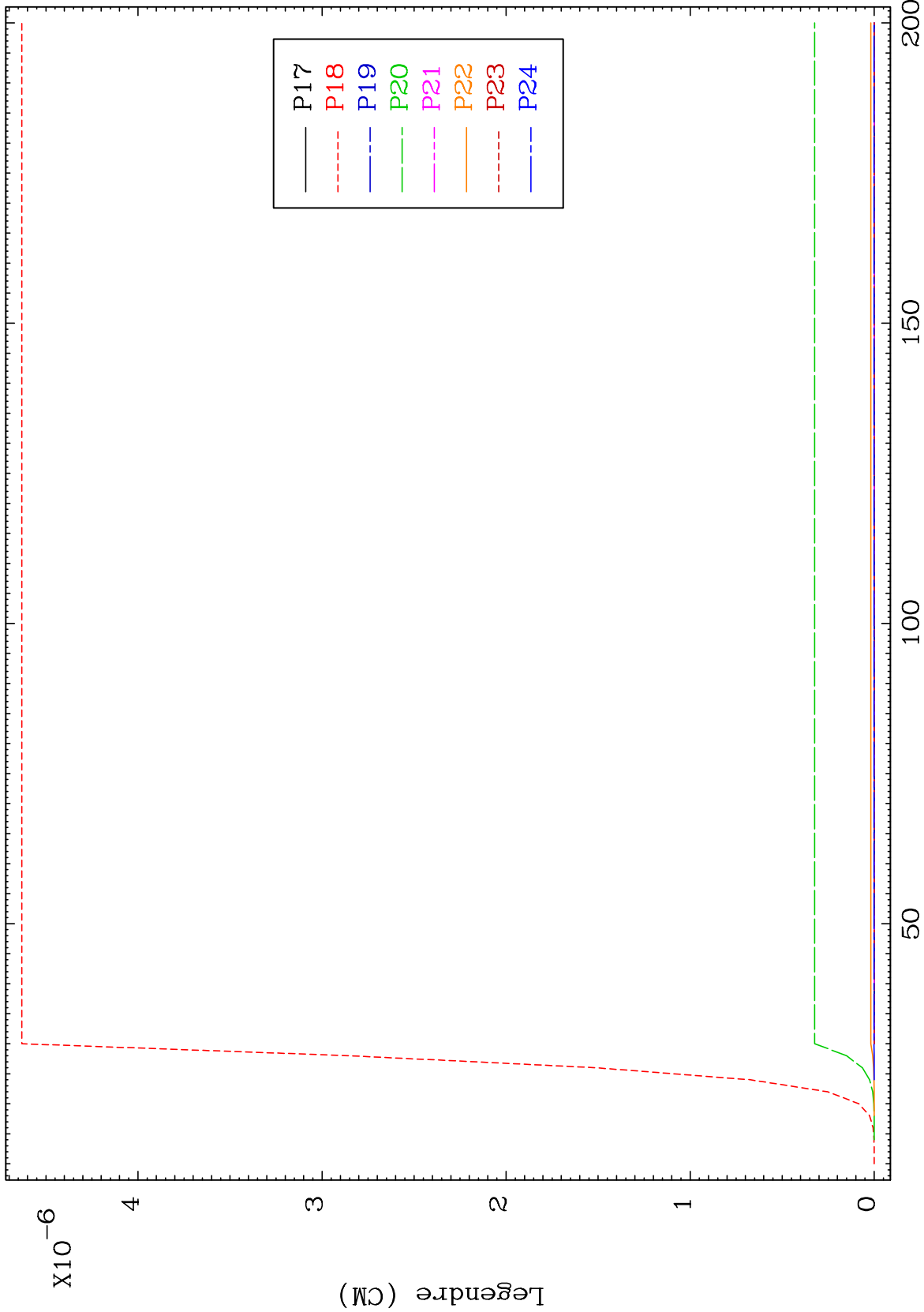




MAT 5352

MT= 62 (n,n') Level
Legendre Coefficients

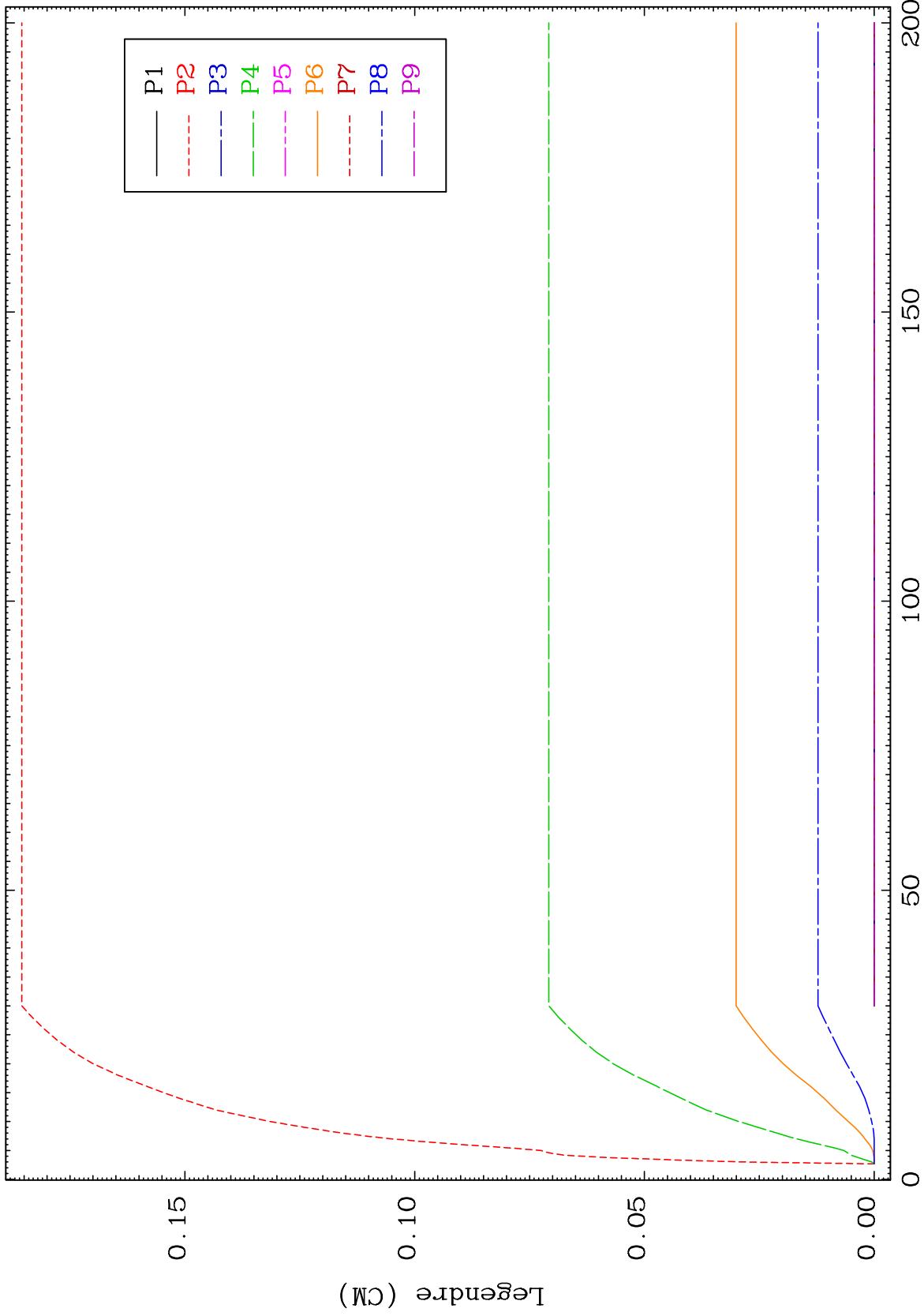
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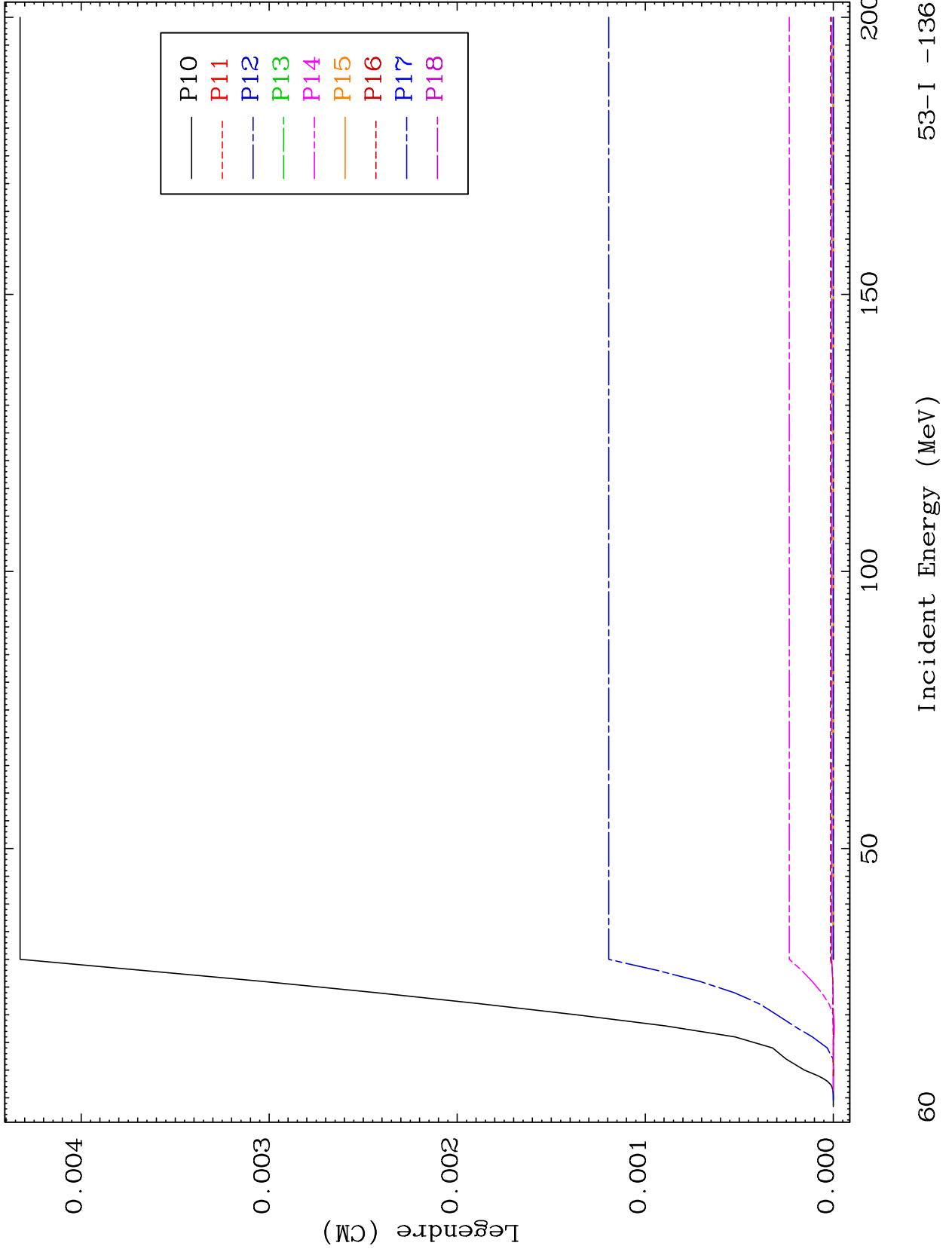


58

Incident Energy (MeV)

53-I -136

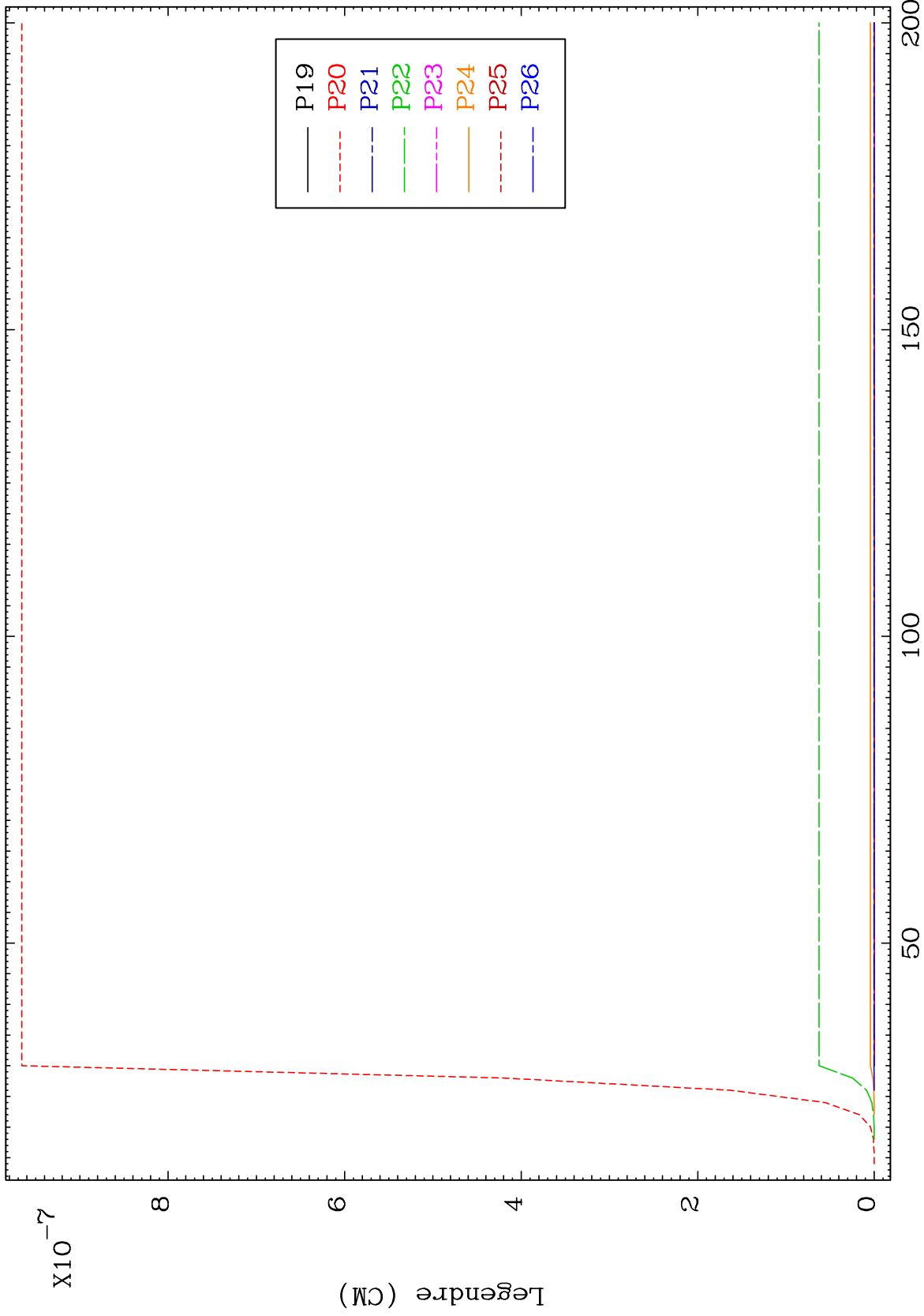




MAT 5352

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

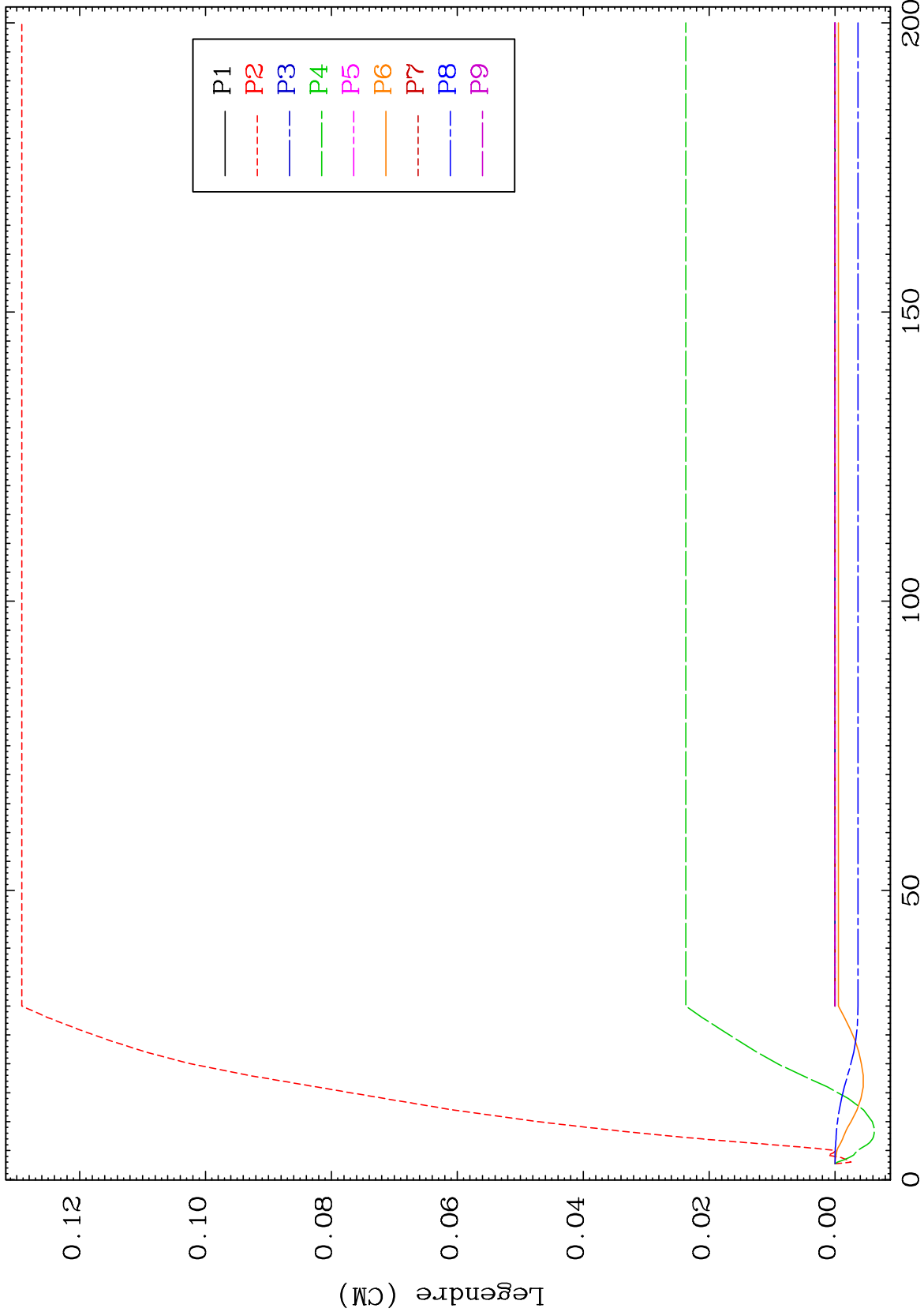
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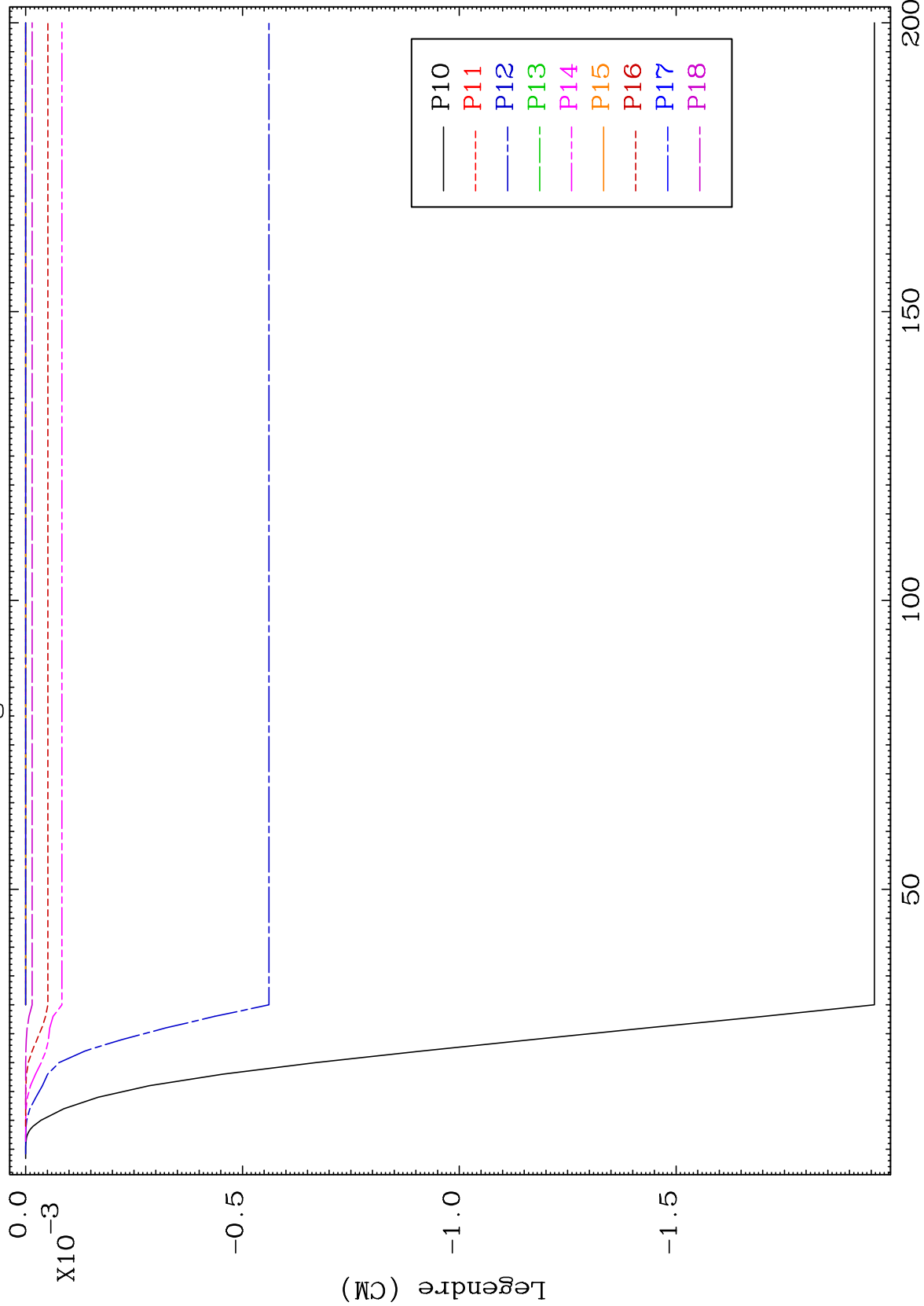


61

Incident Energy (MeV)

53-I -136

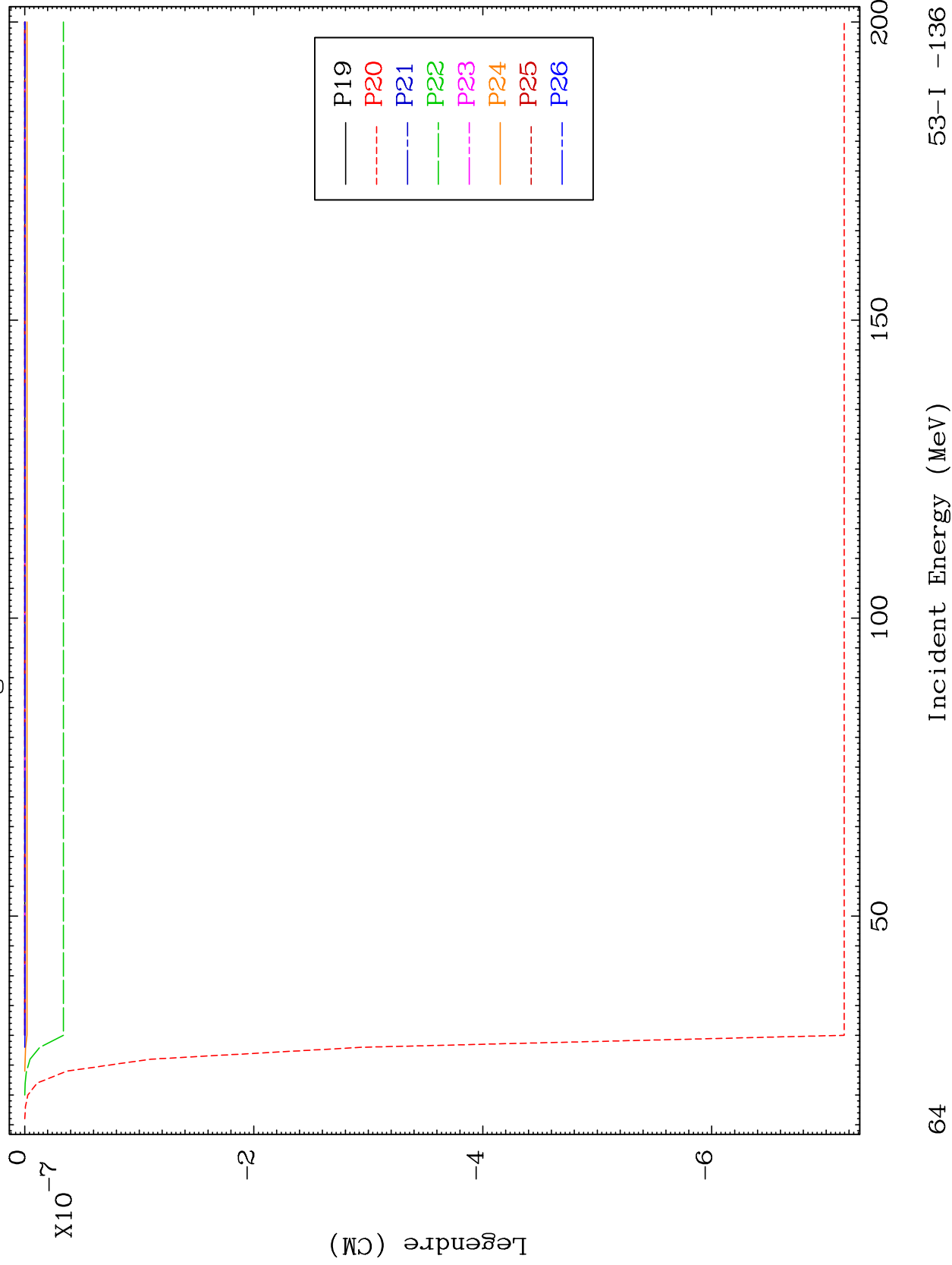




MAT 5352

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

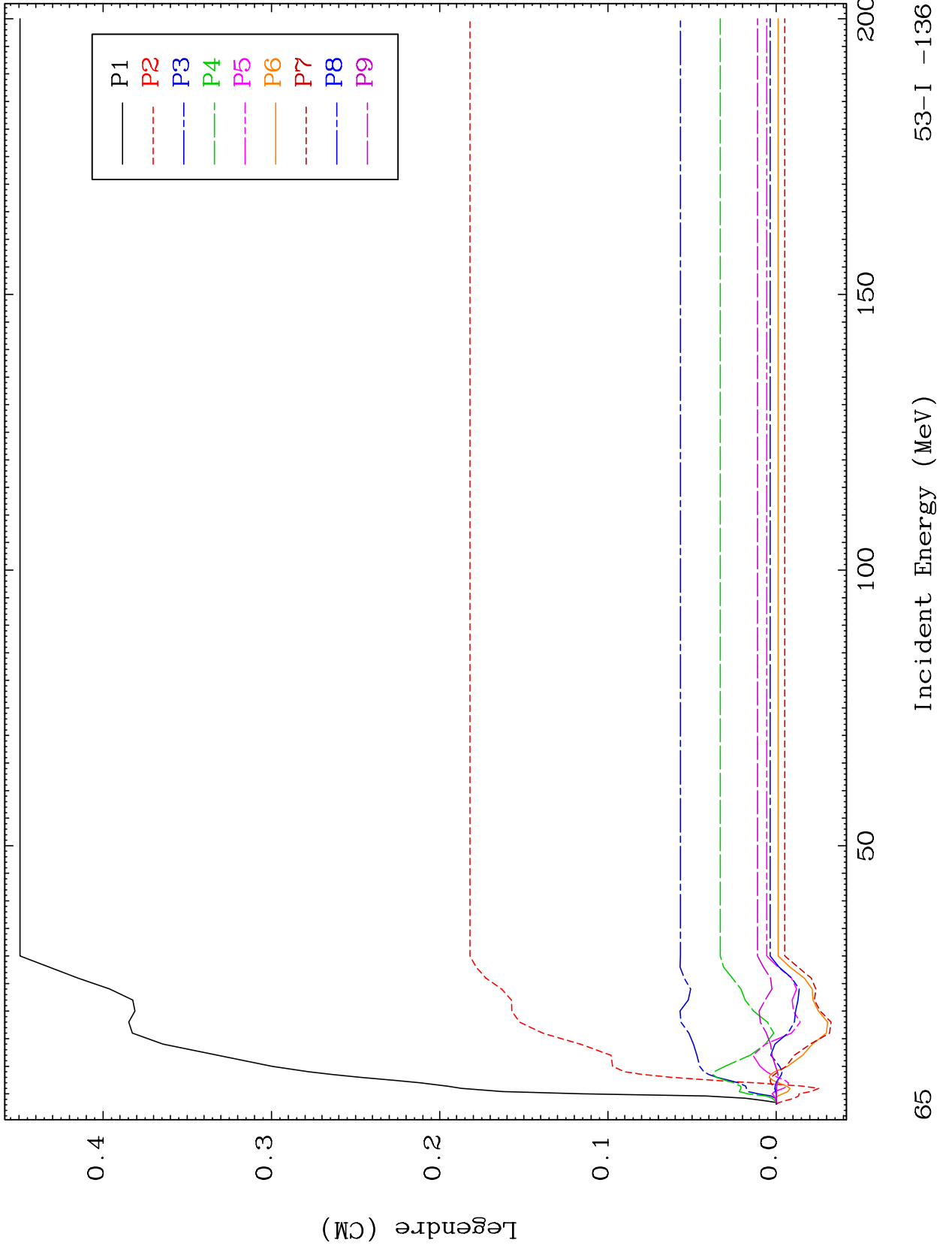
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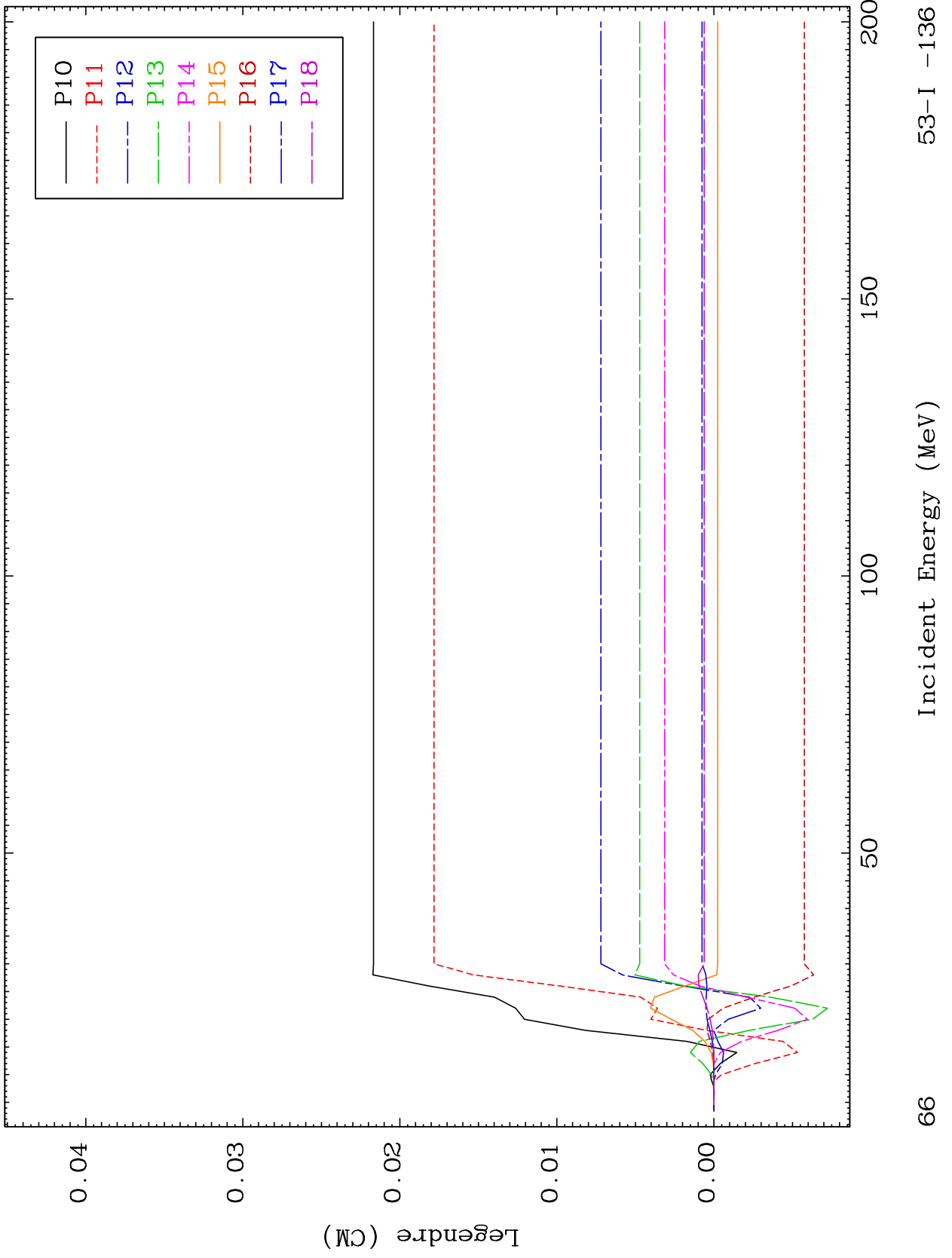


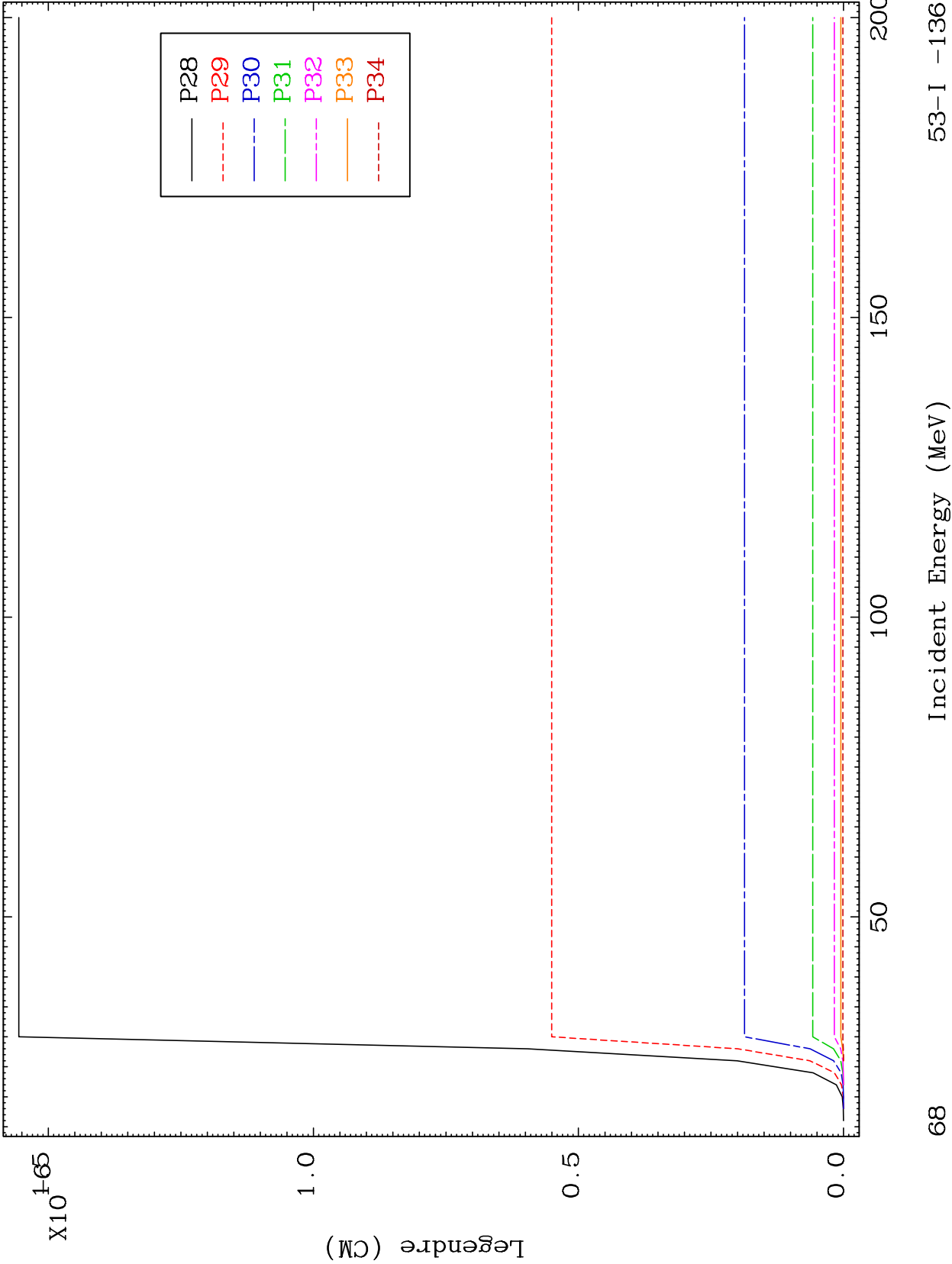
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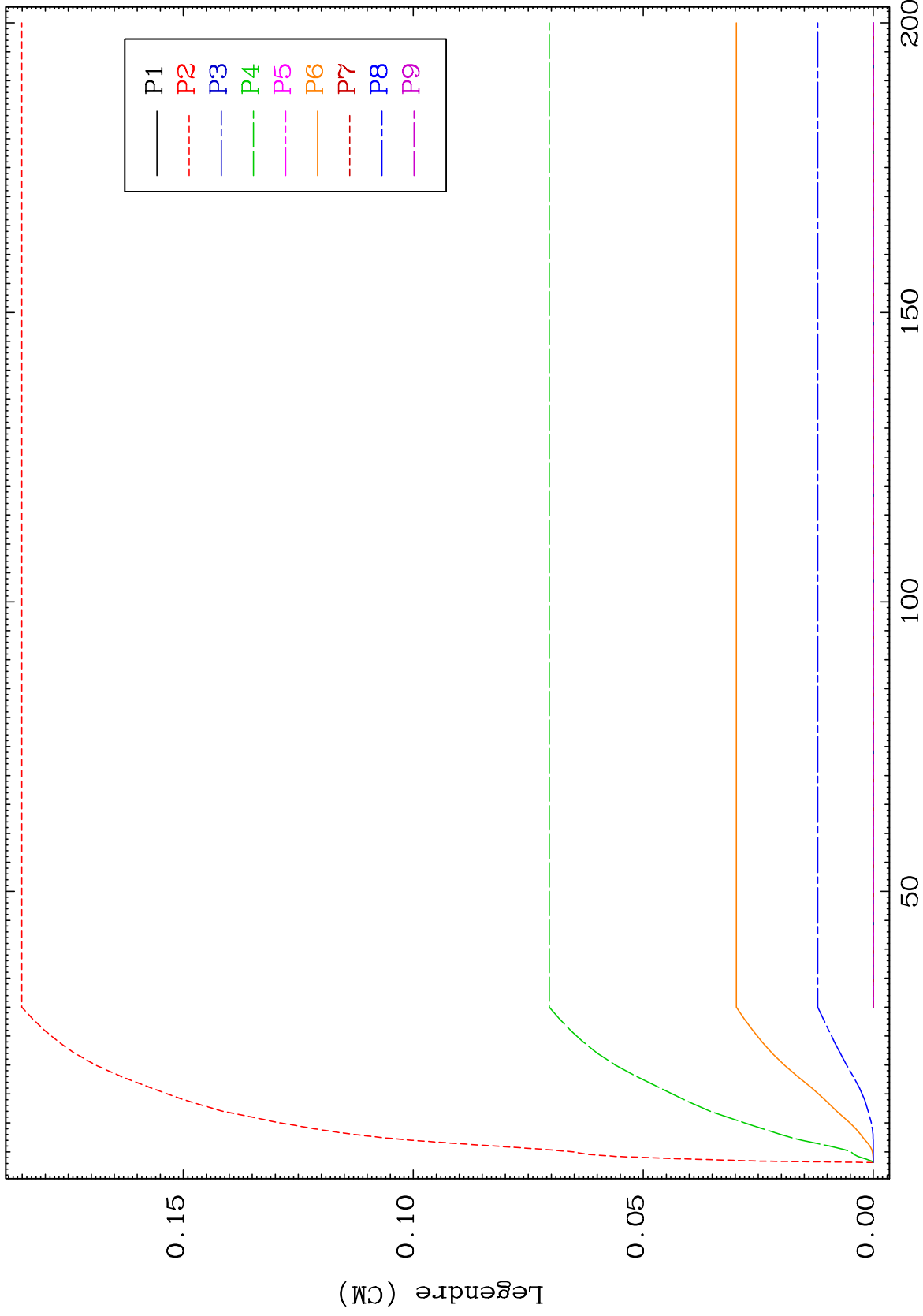
Incident Energy (MeV)

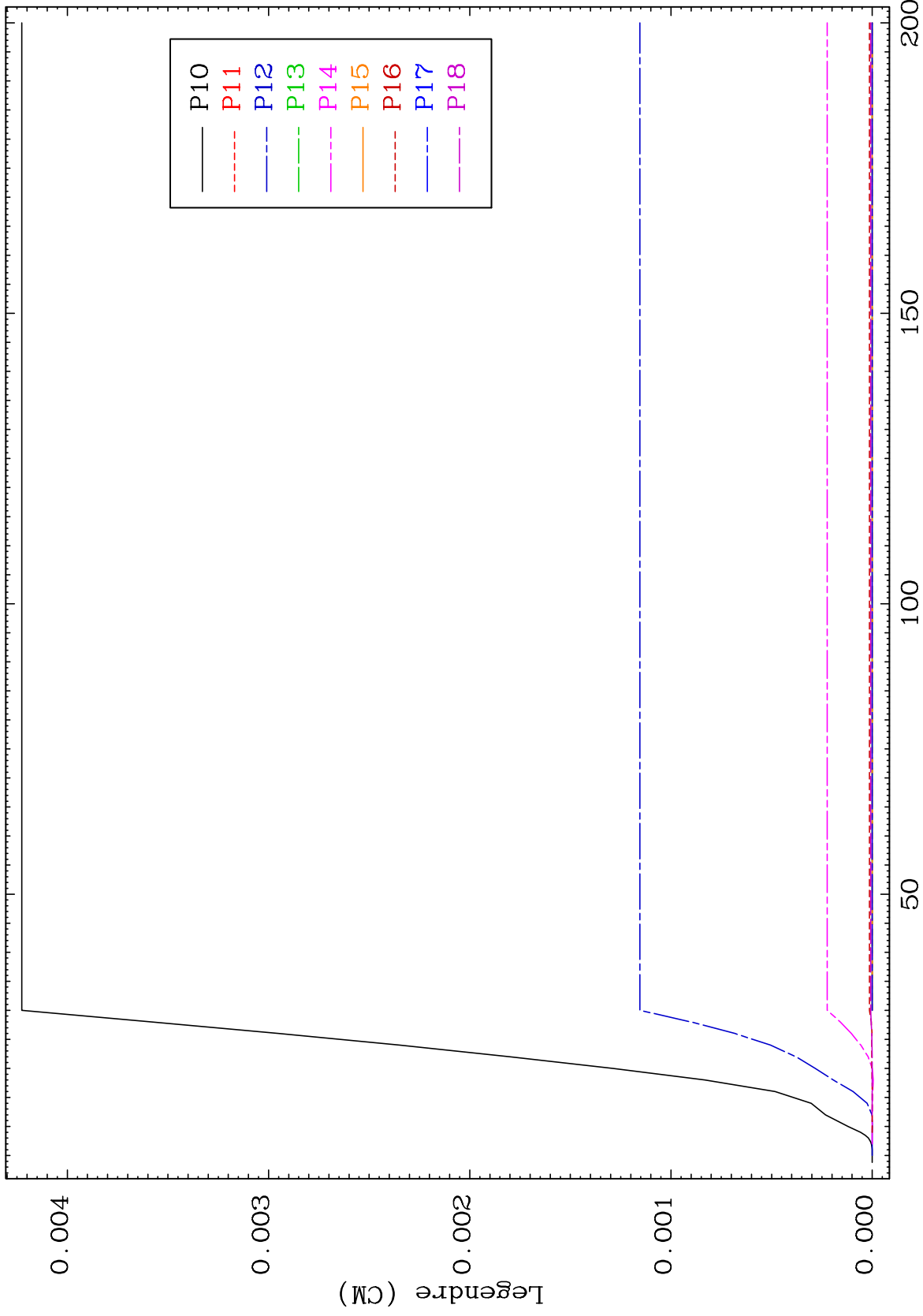
53-I -136







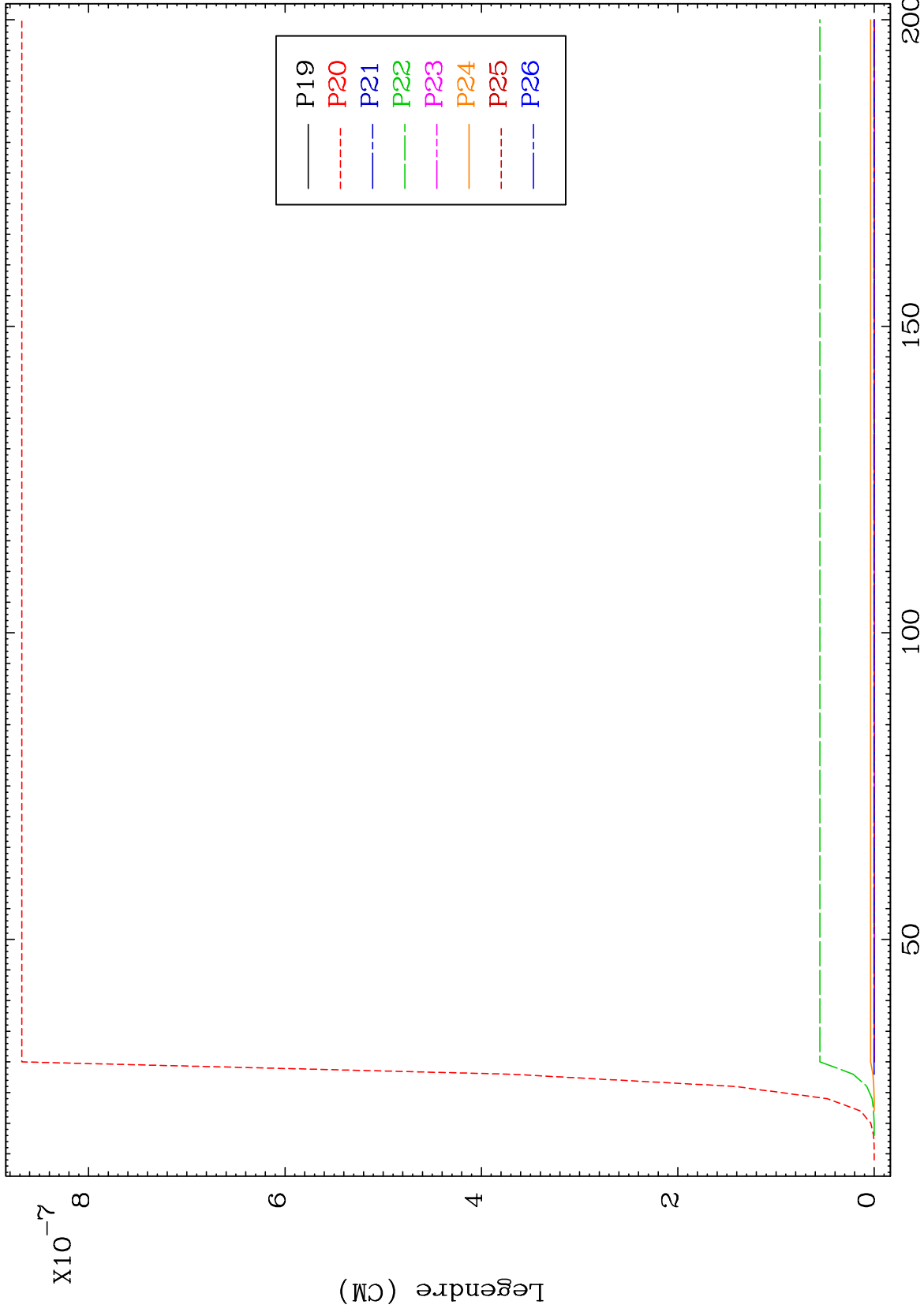




MAT 5352

MT= 66 (n,n') Level
Legendre Coefficients

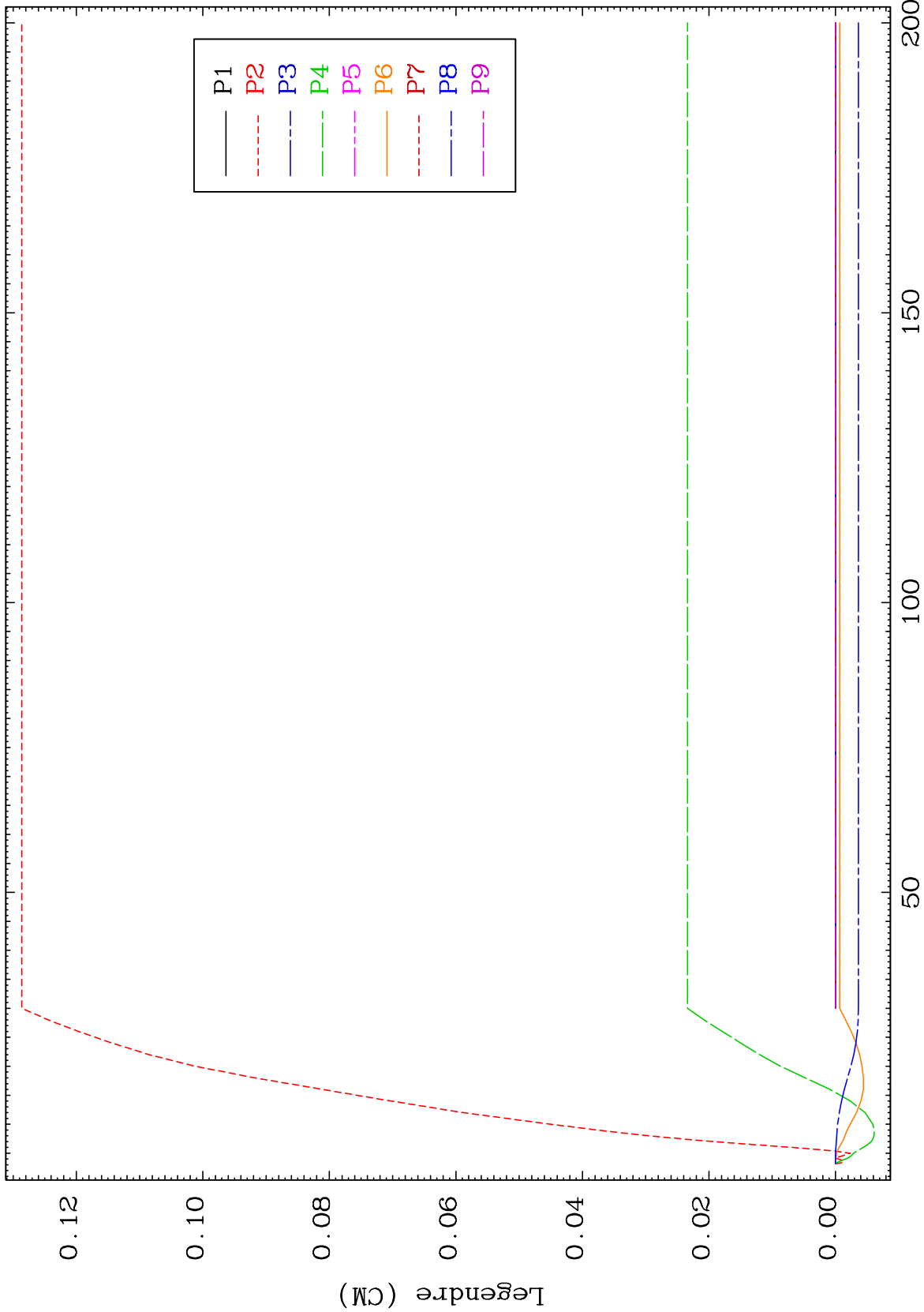
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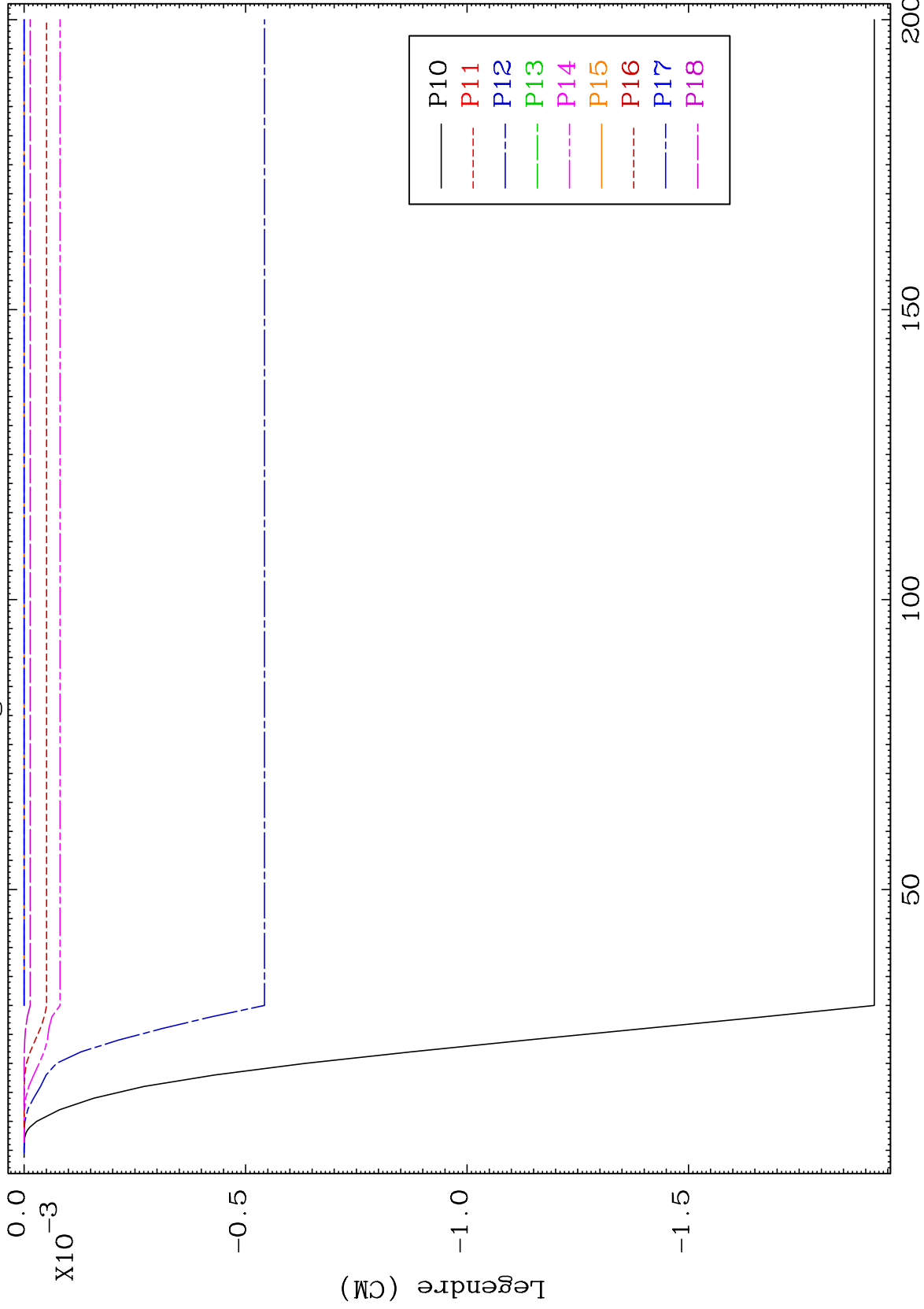


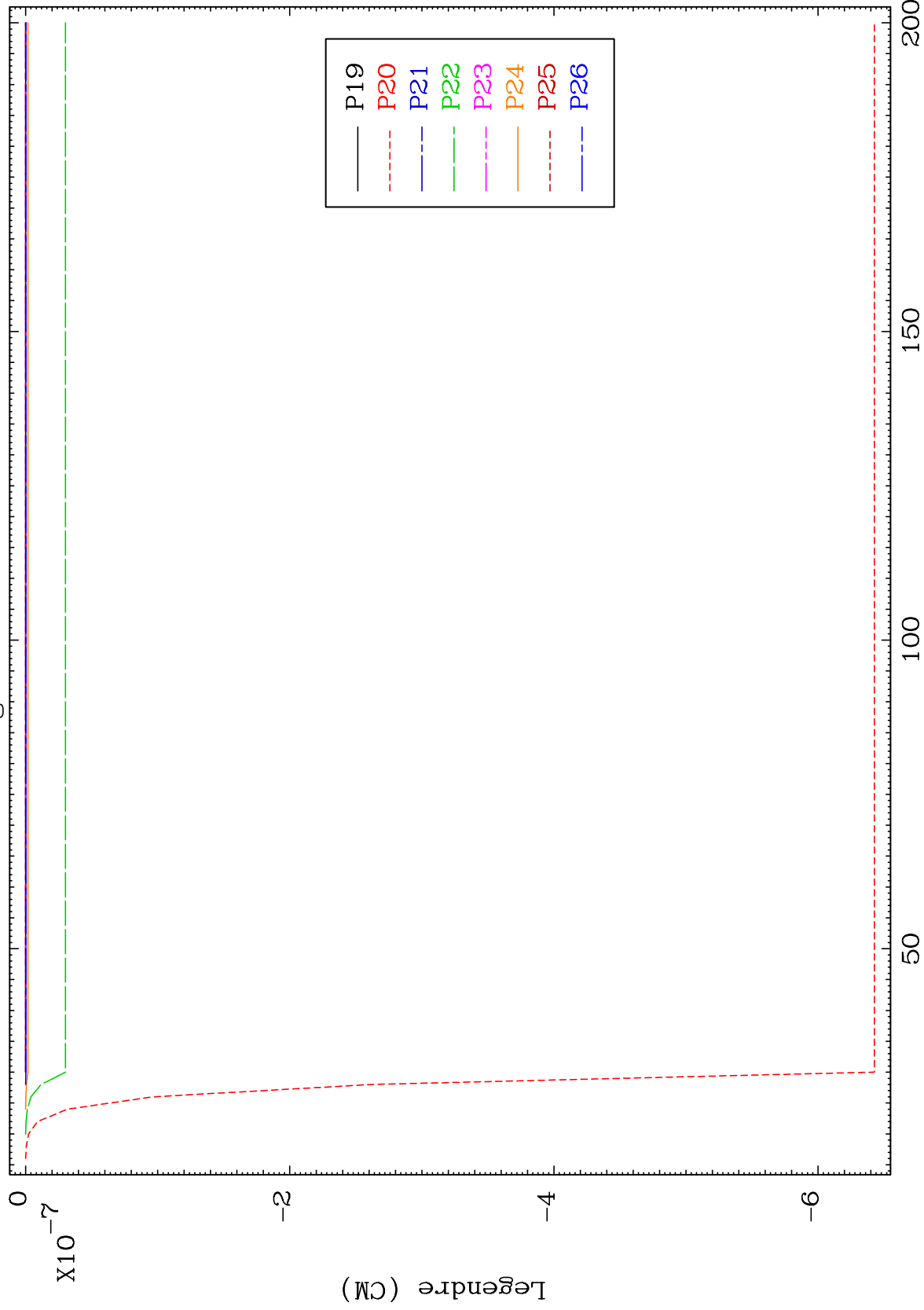
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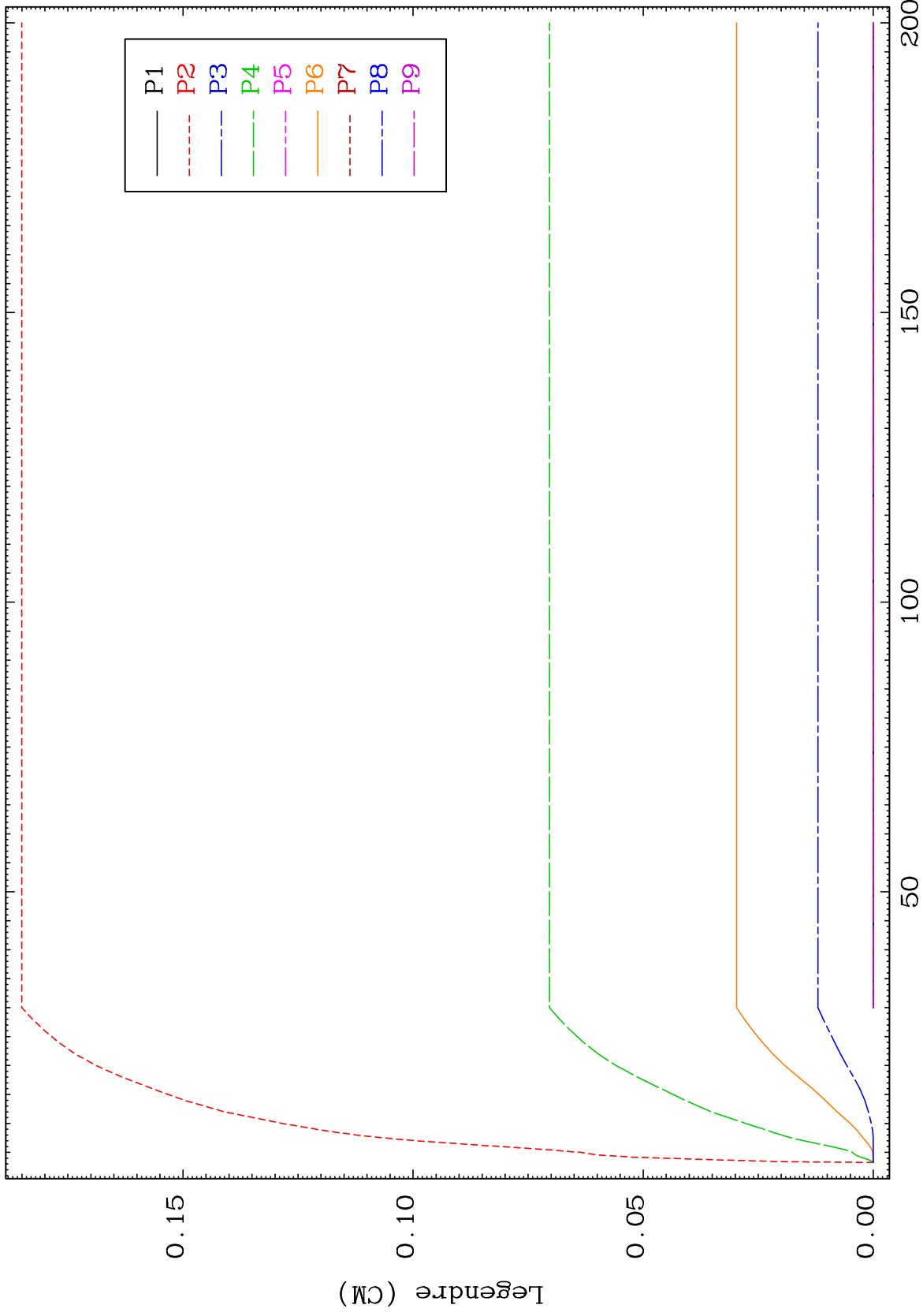
Incident Energy (MeV)

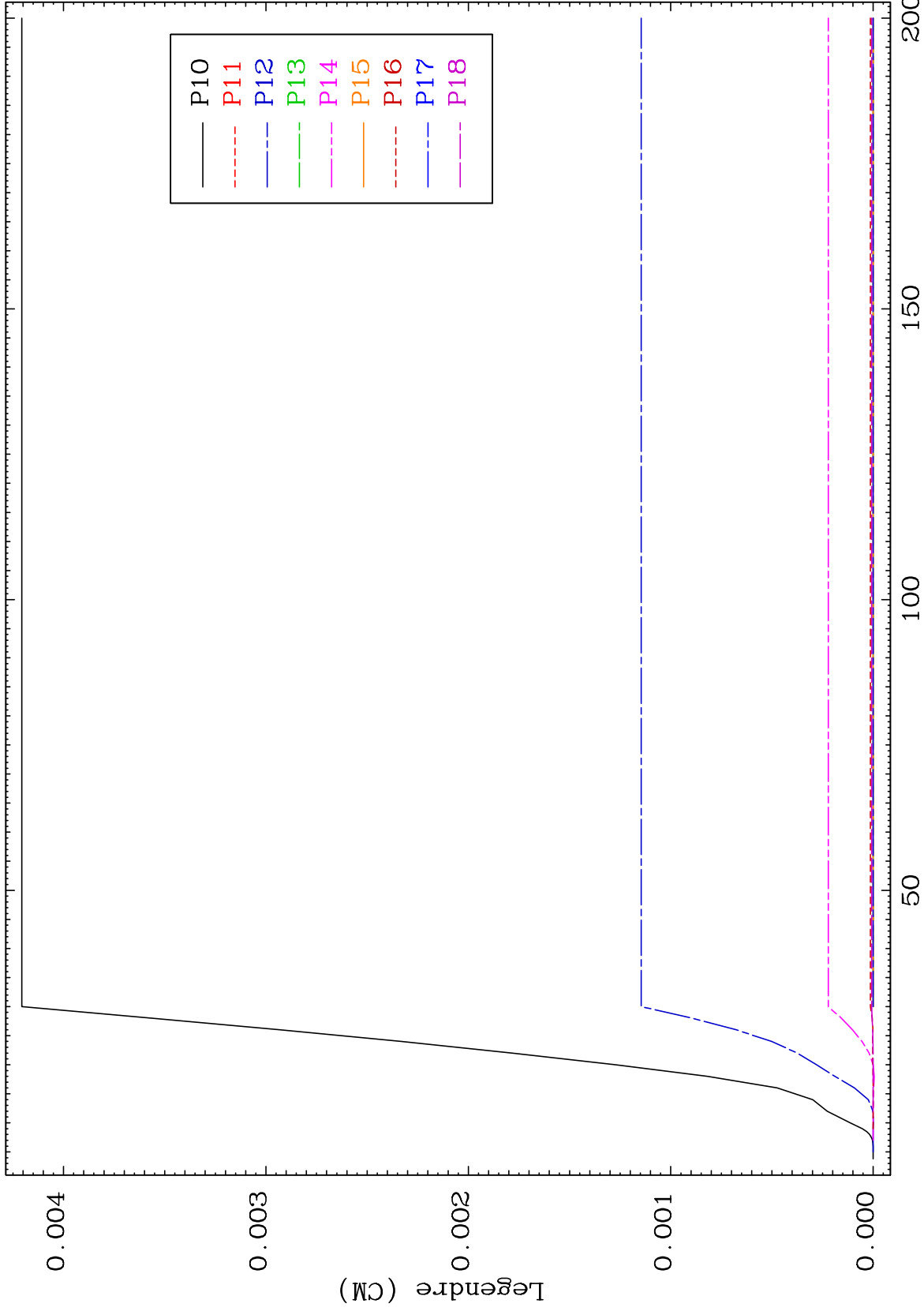
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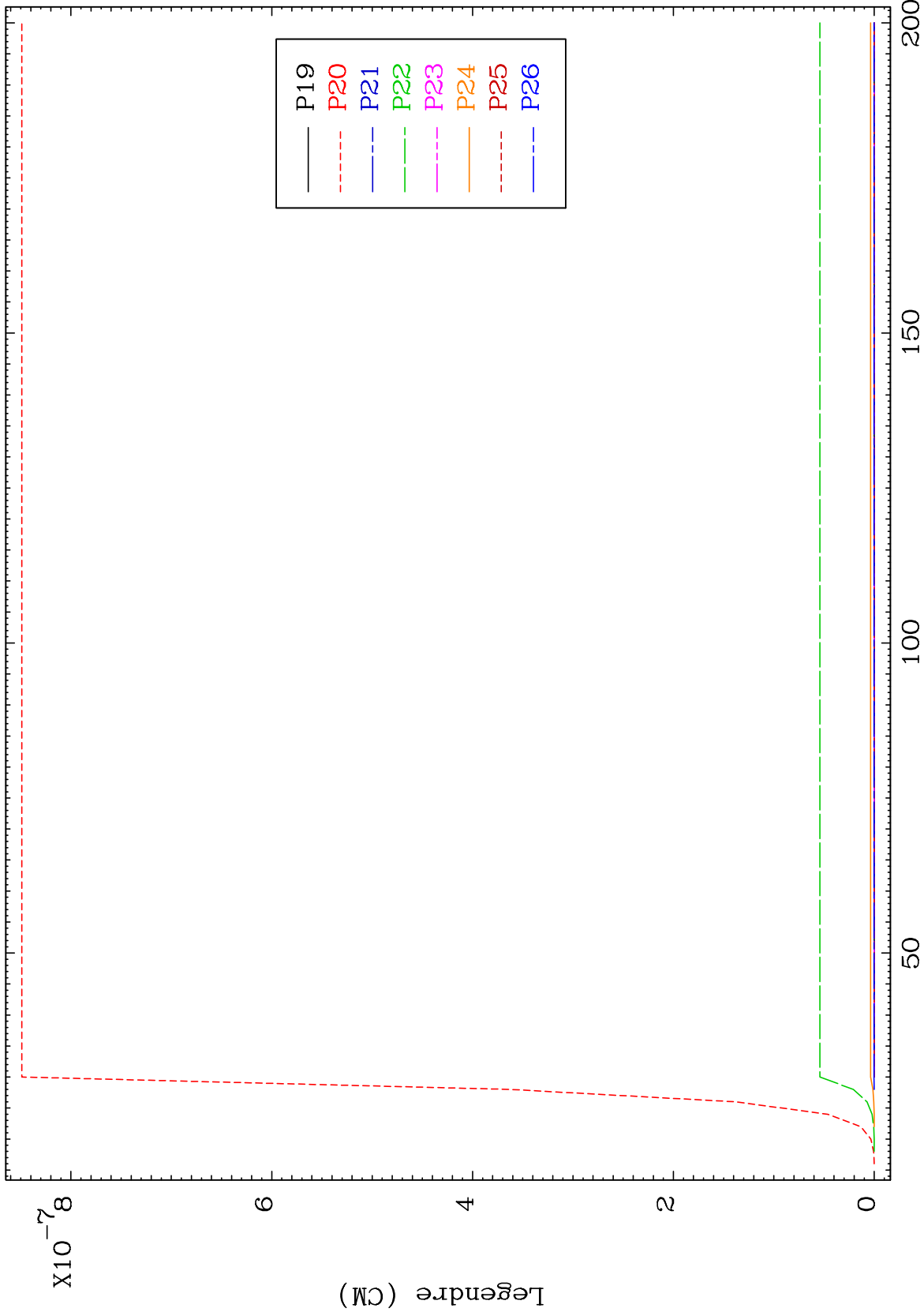


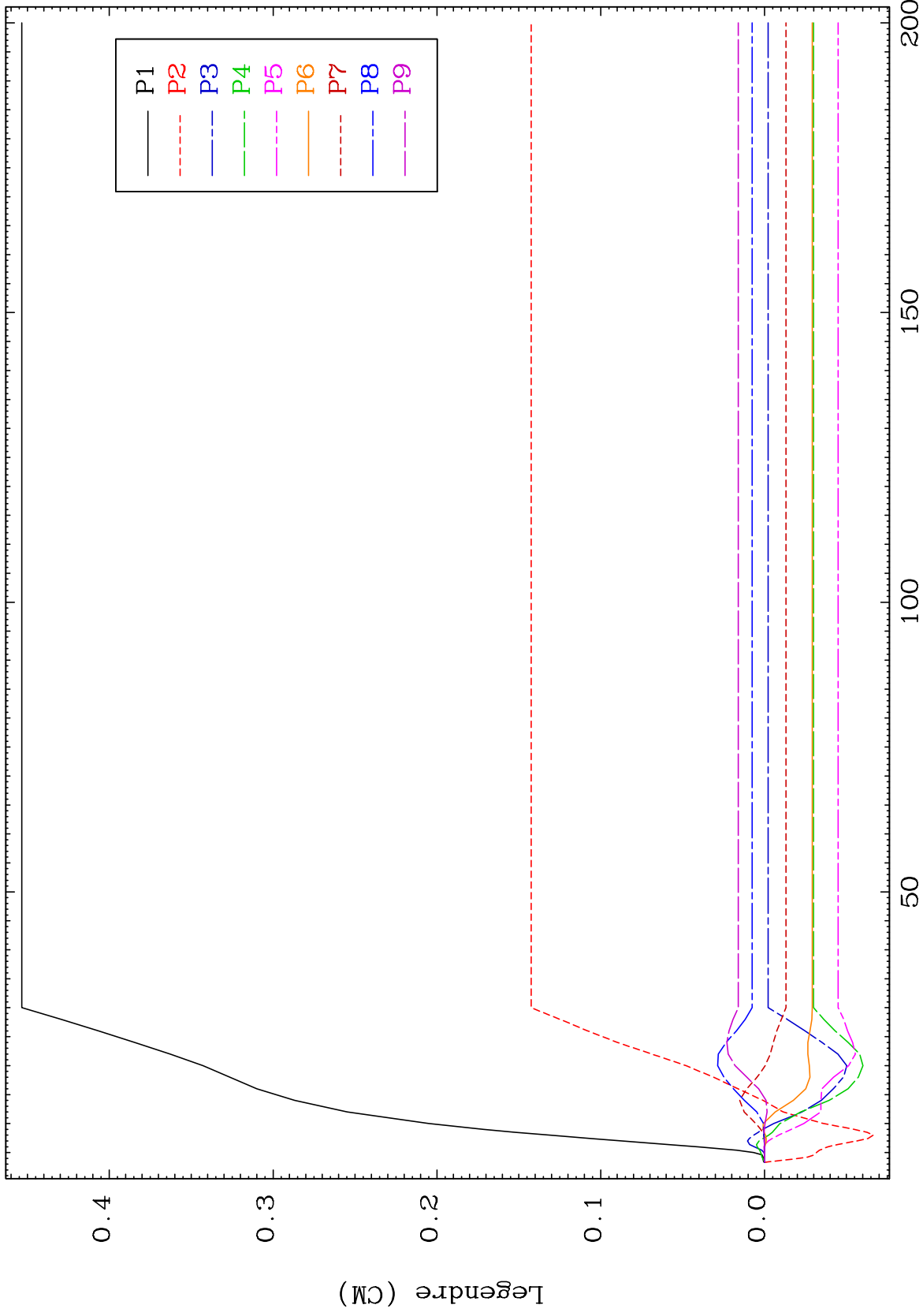


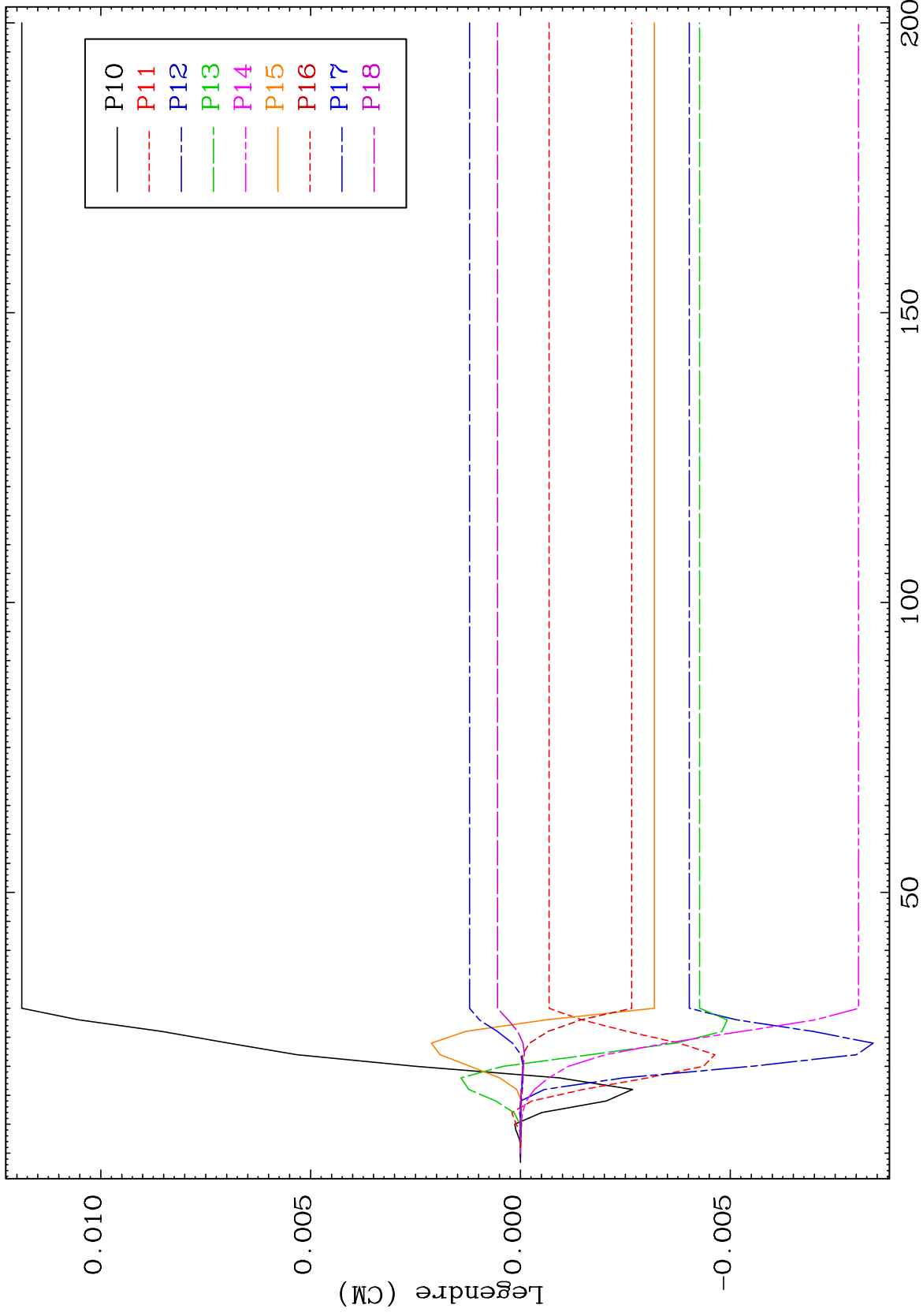


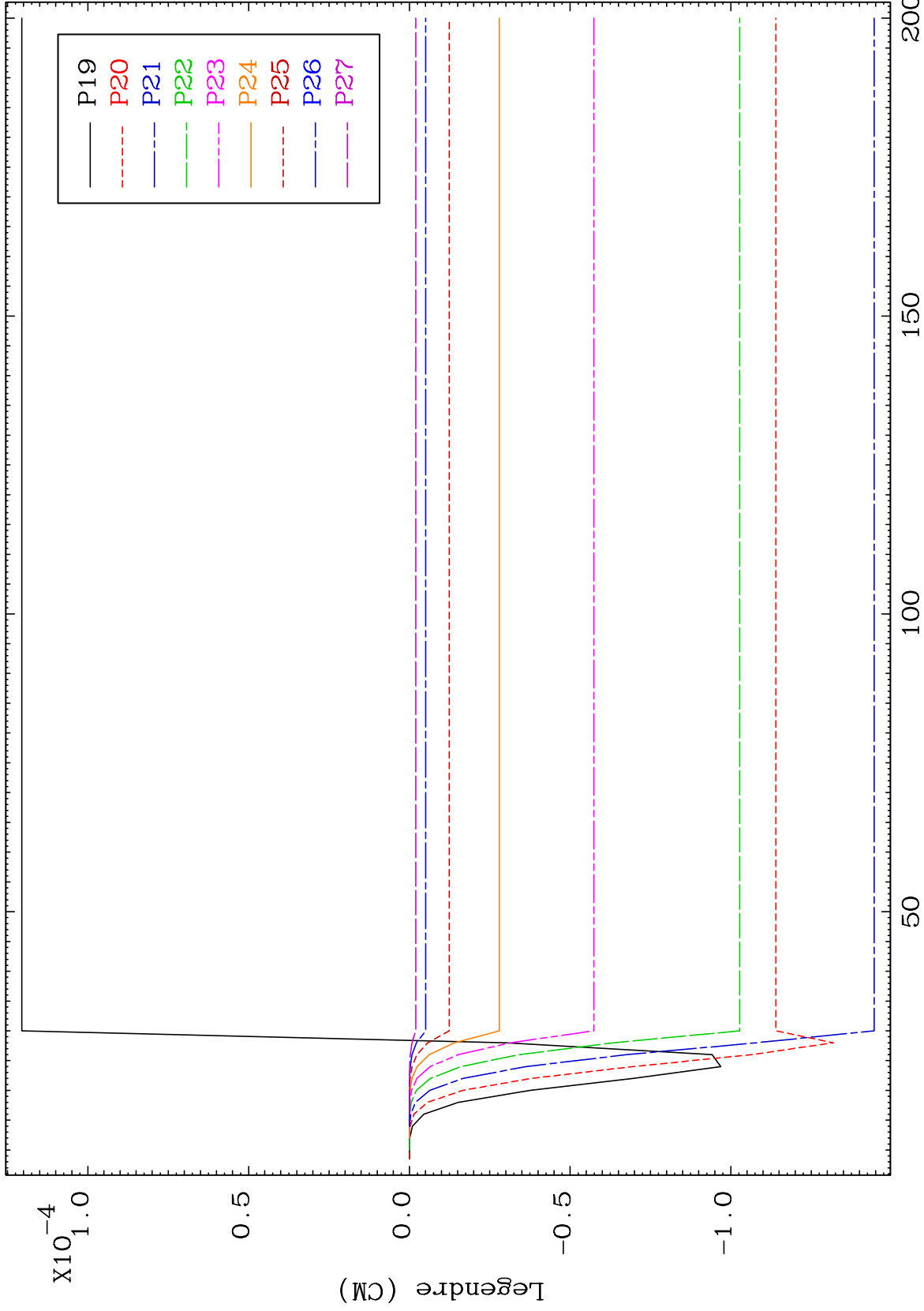


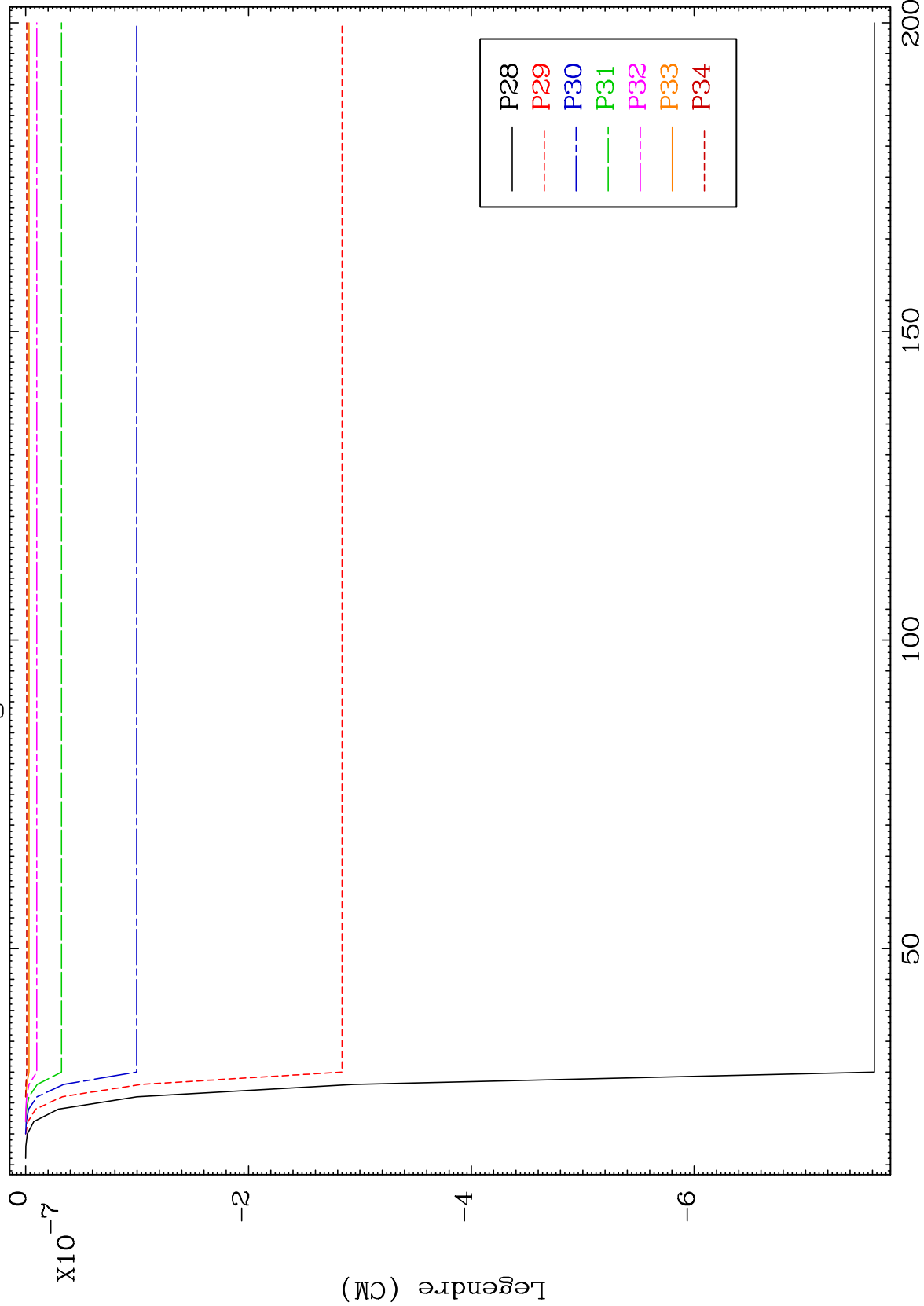


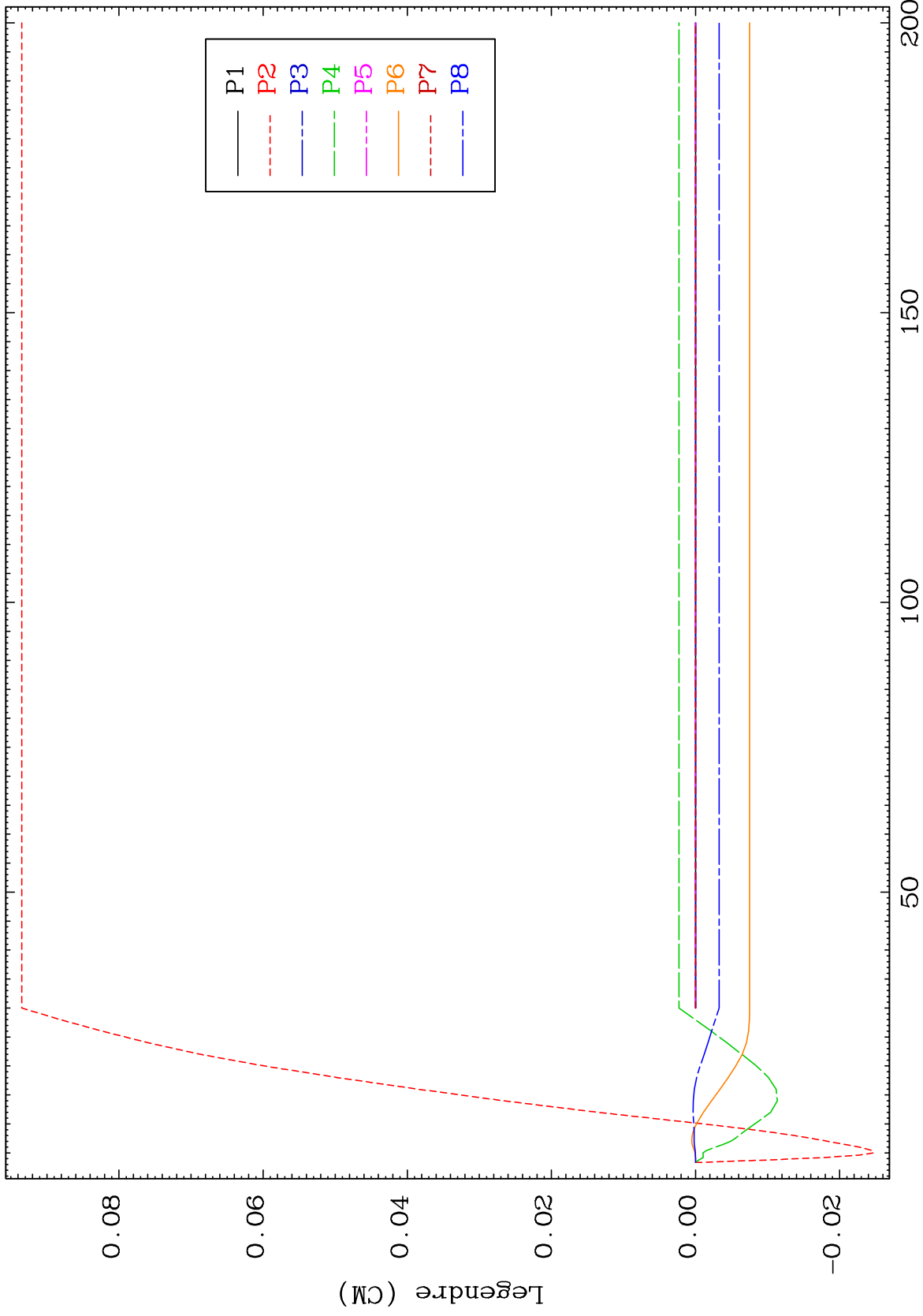


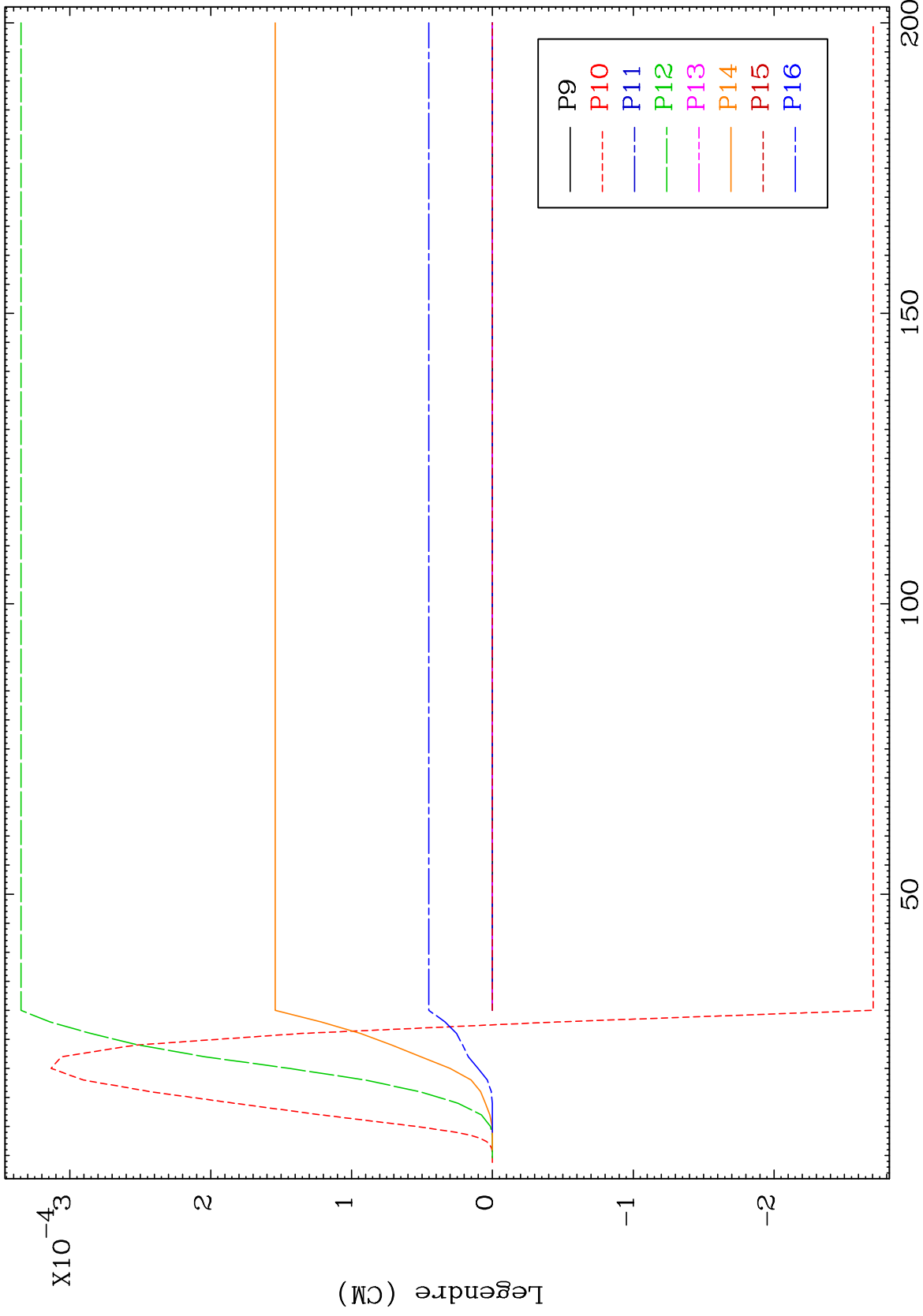


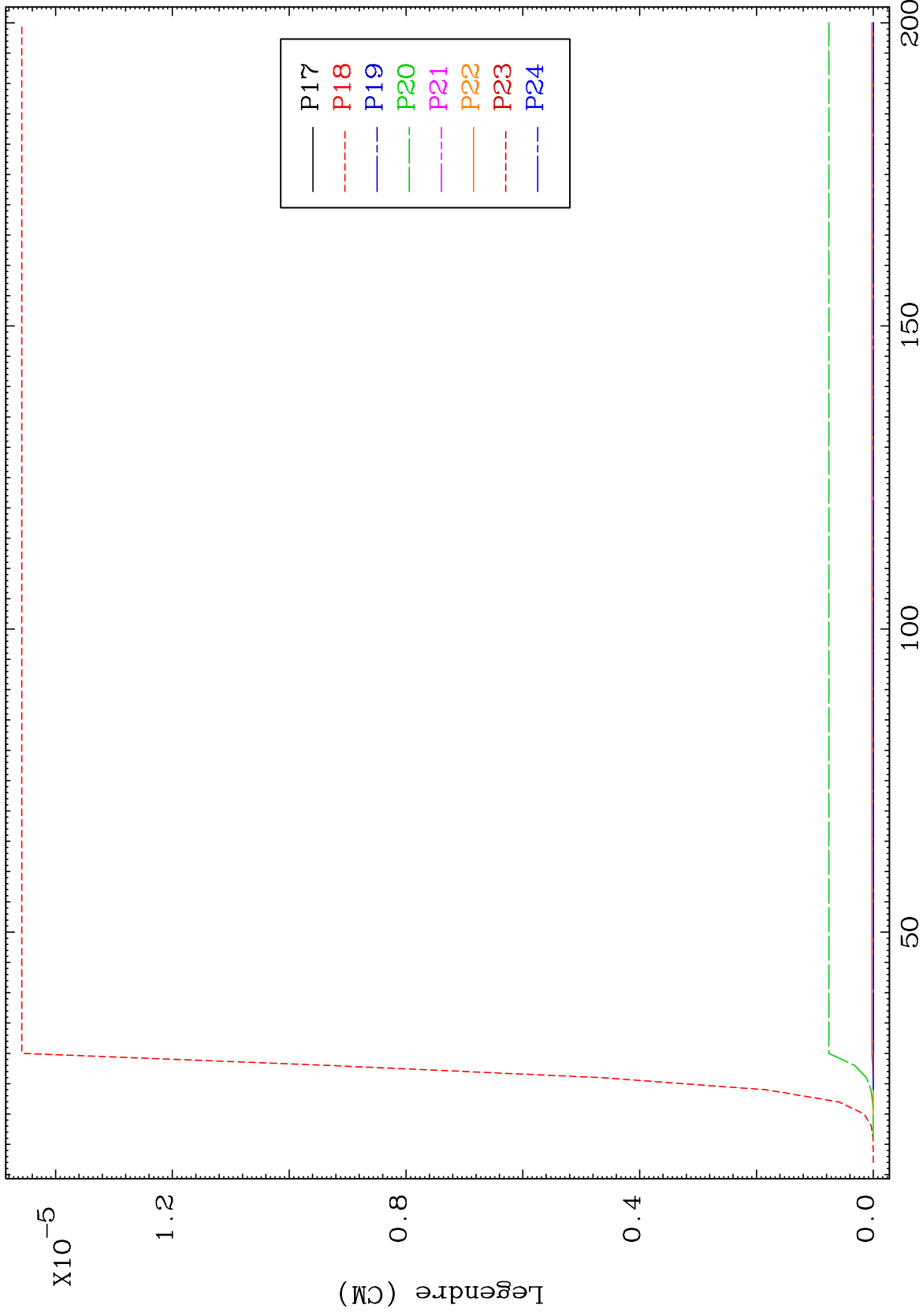








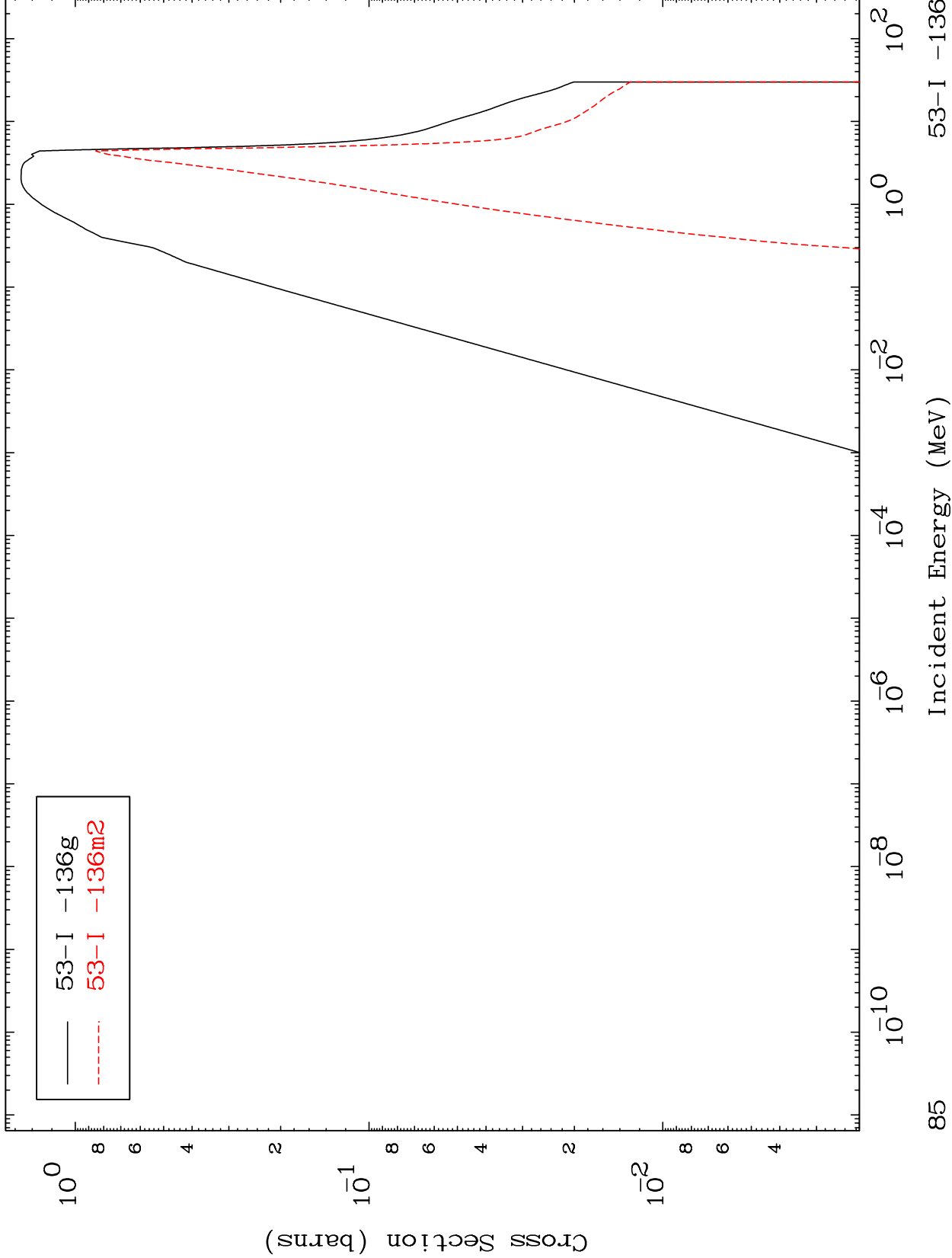




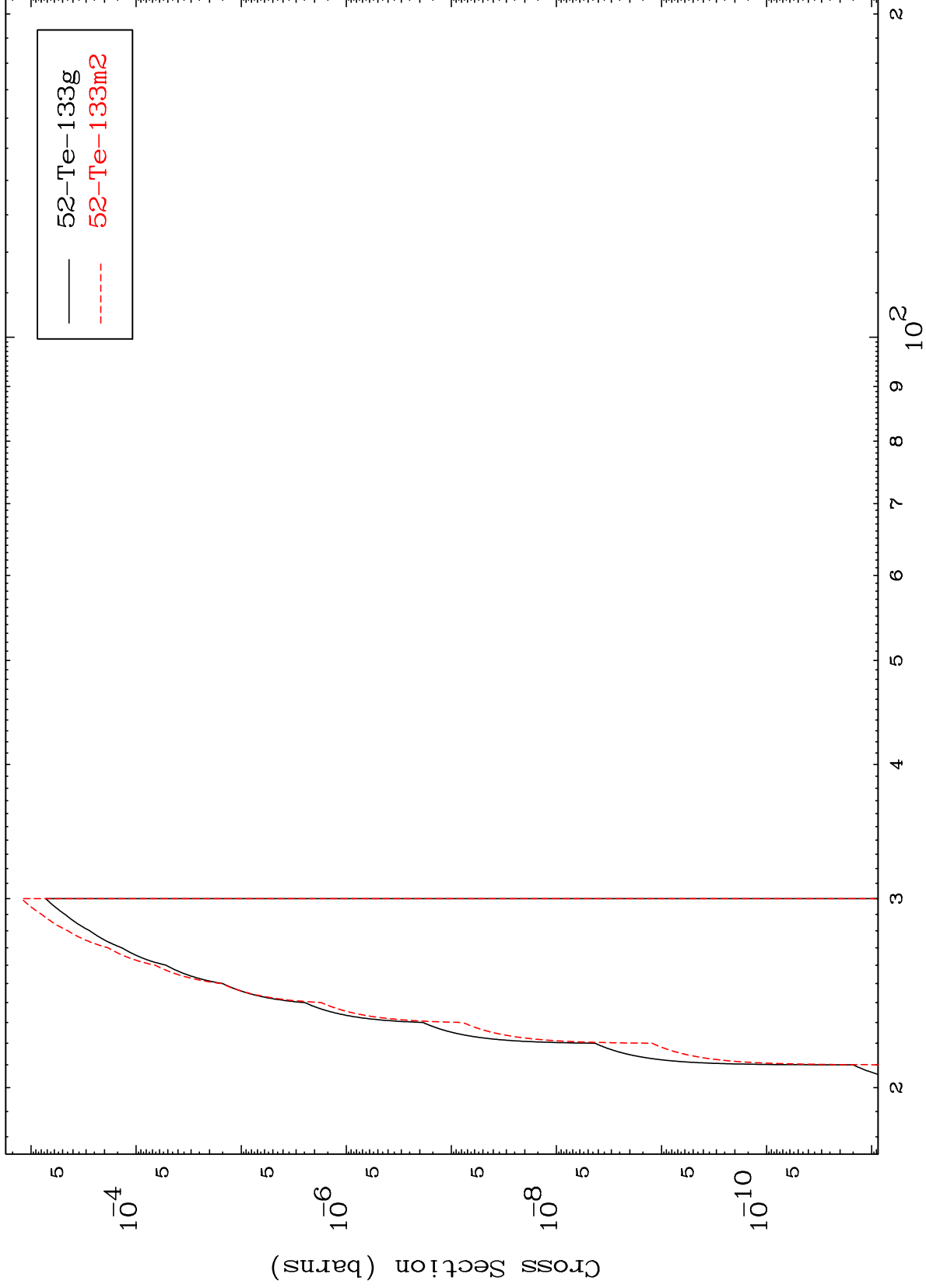
MAT 5352

Inelastic
Radionuclide Production Cross Section

53-I -136



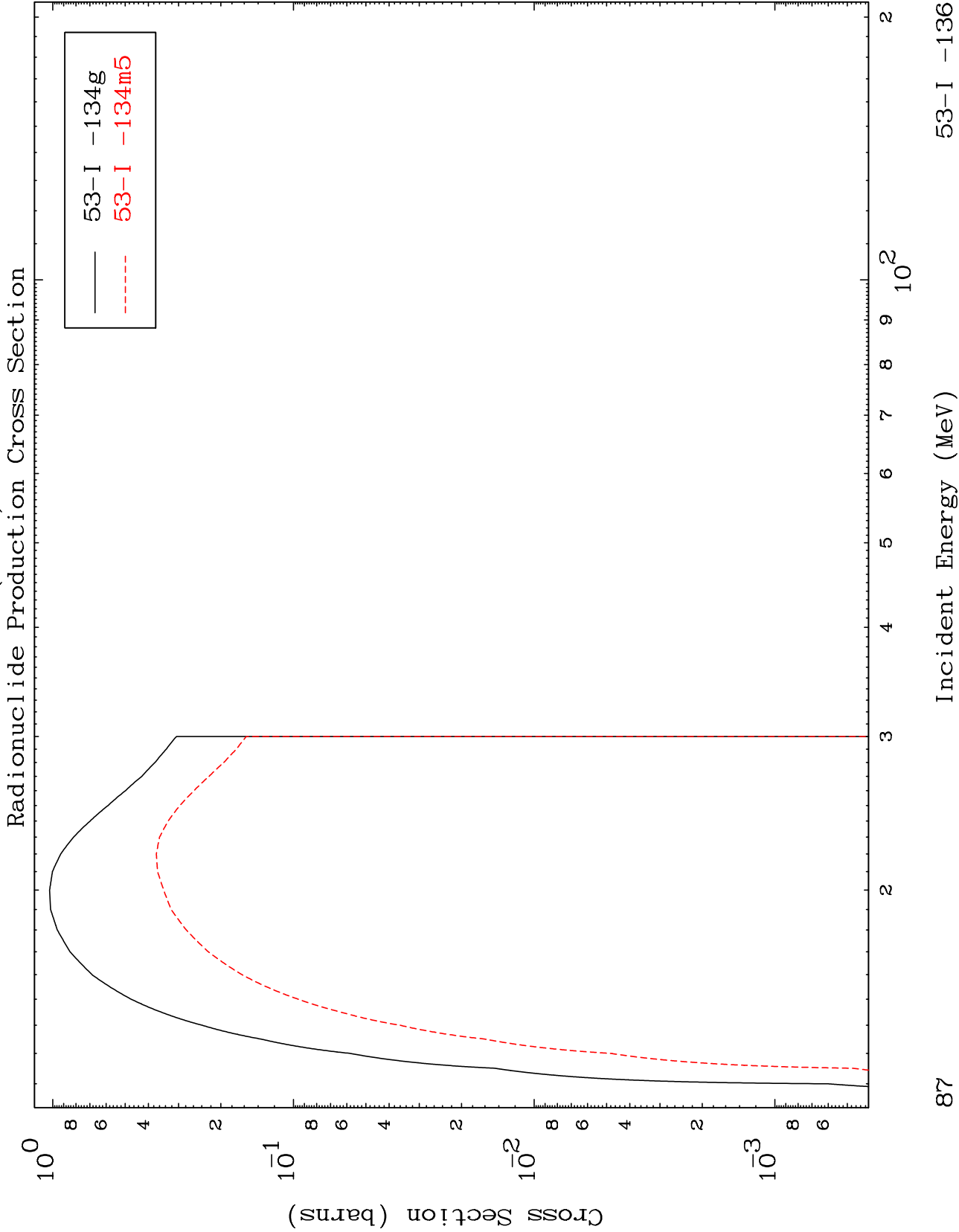
Radionuclide Production Cross Section



MAT 5352

(n,3n)

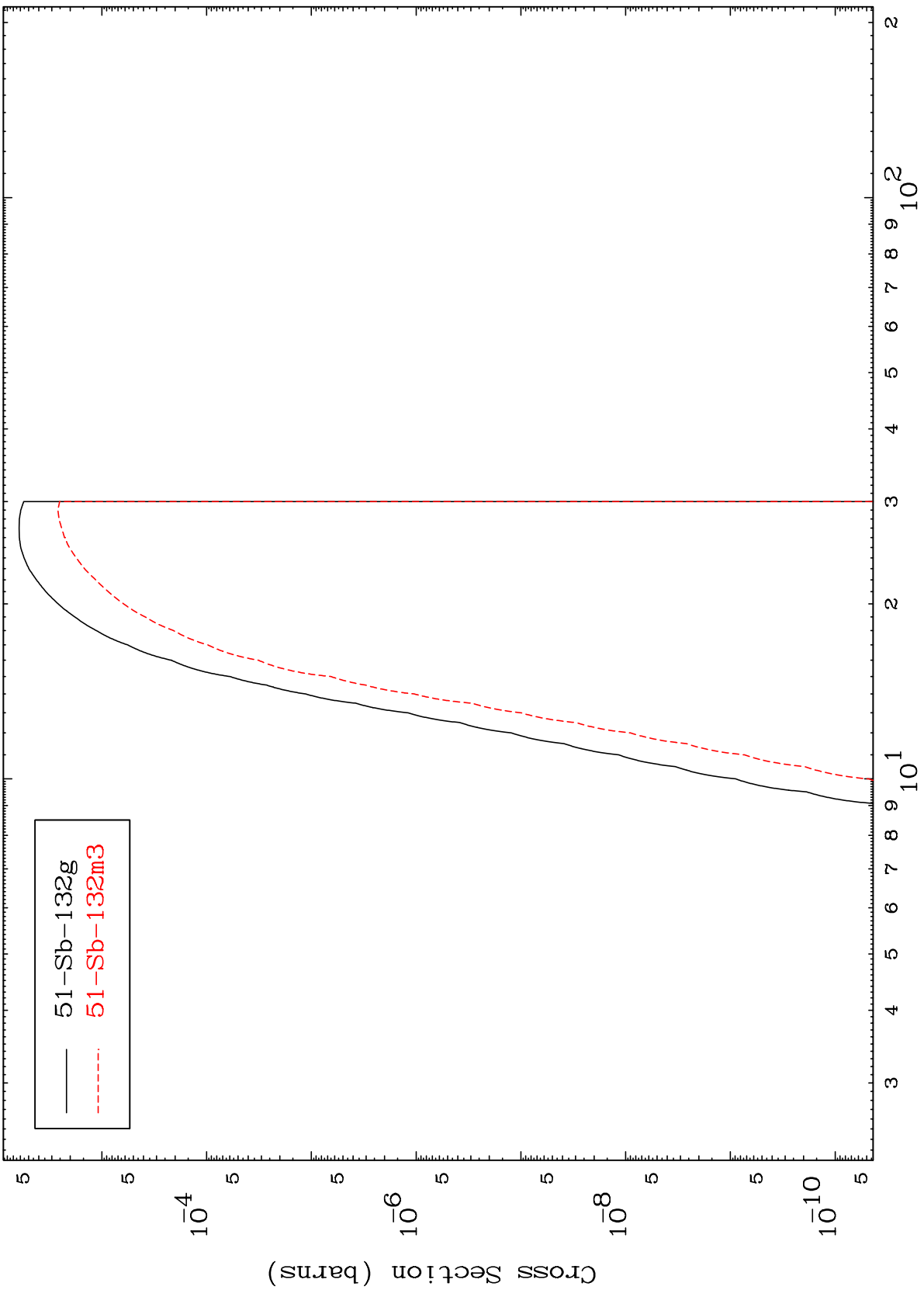
53-I -136



87

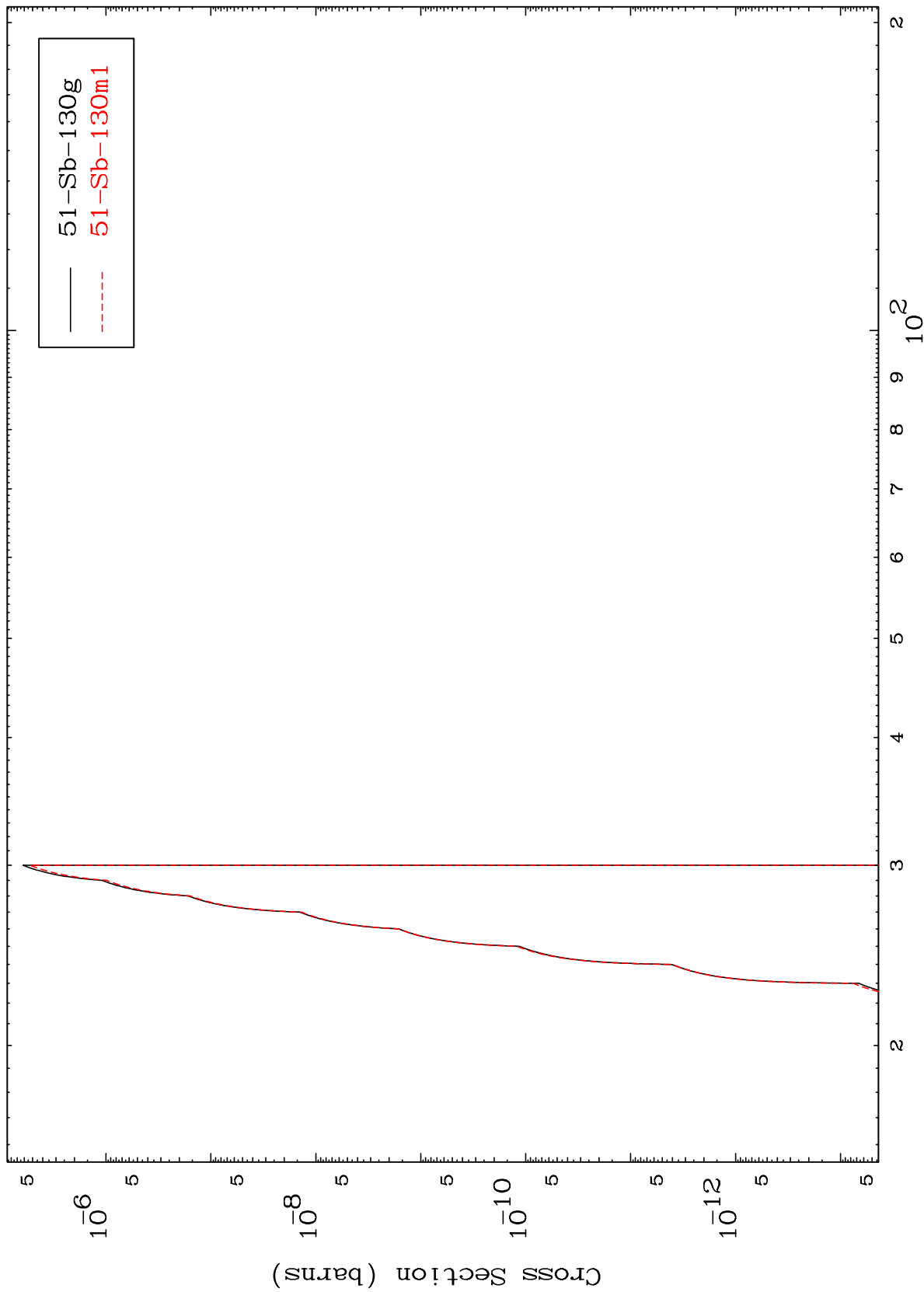
53-I -136

Radionuclide Production Cross Section

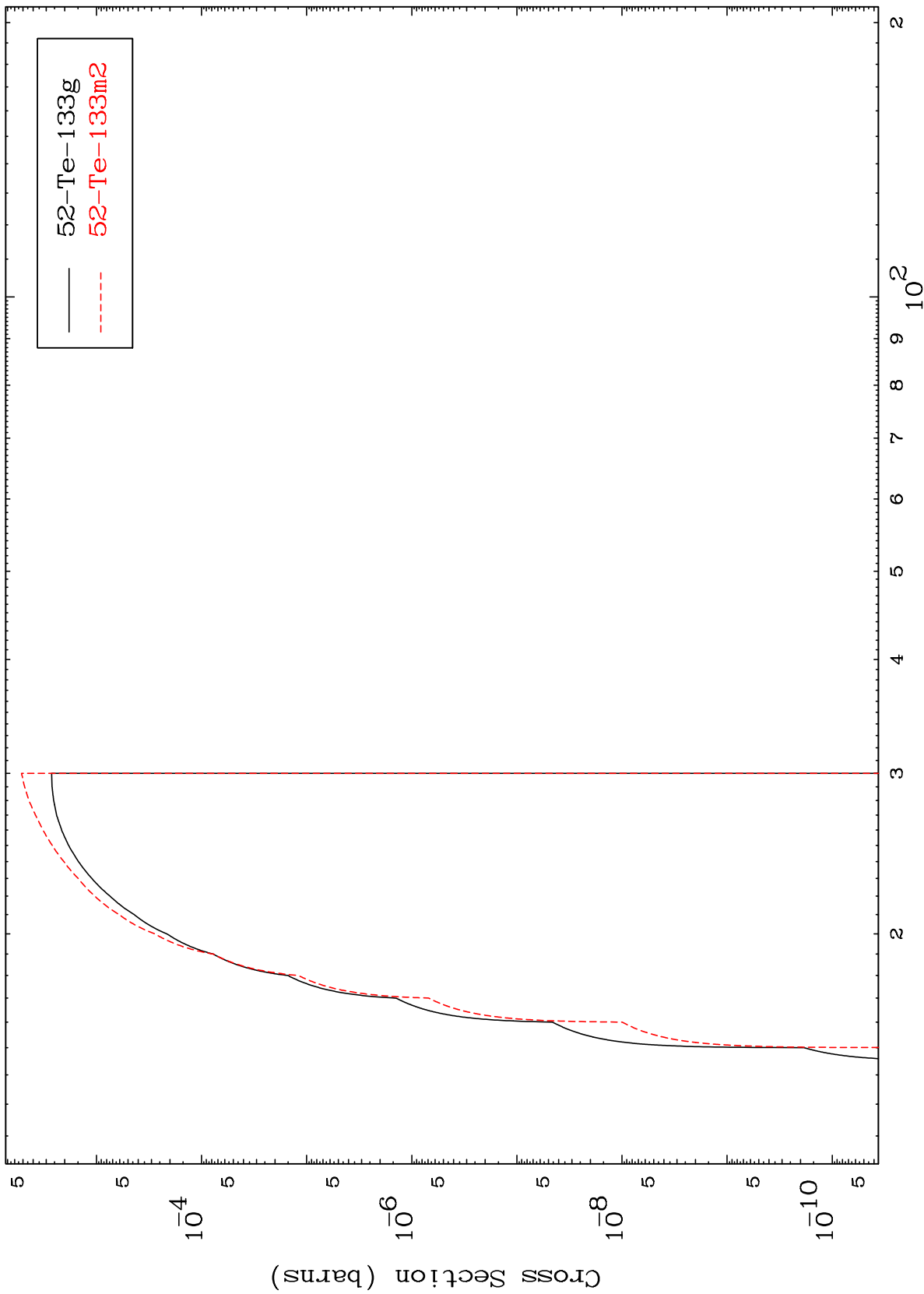


— 51-Sb-132g
- - - 51-Sb-132m3

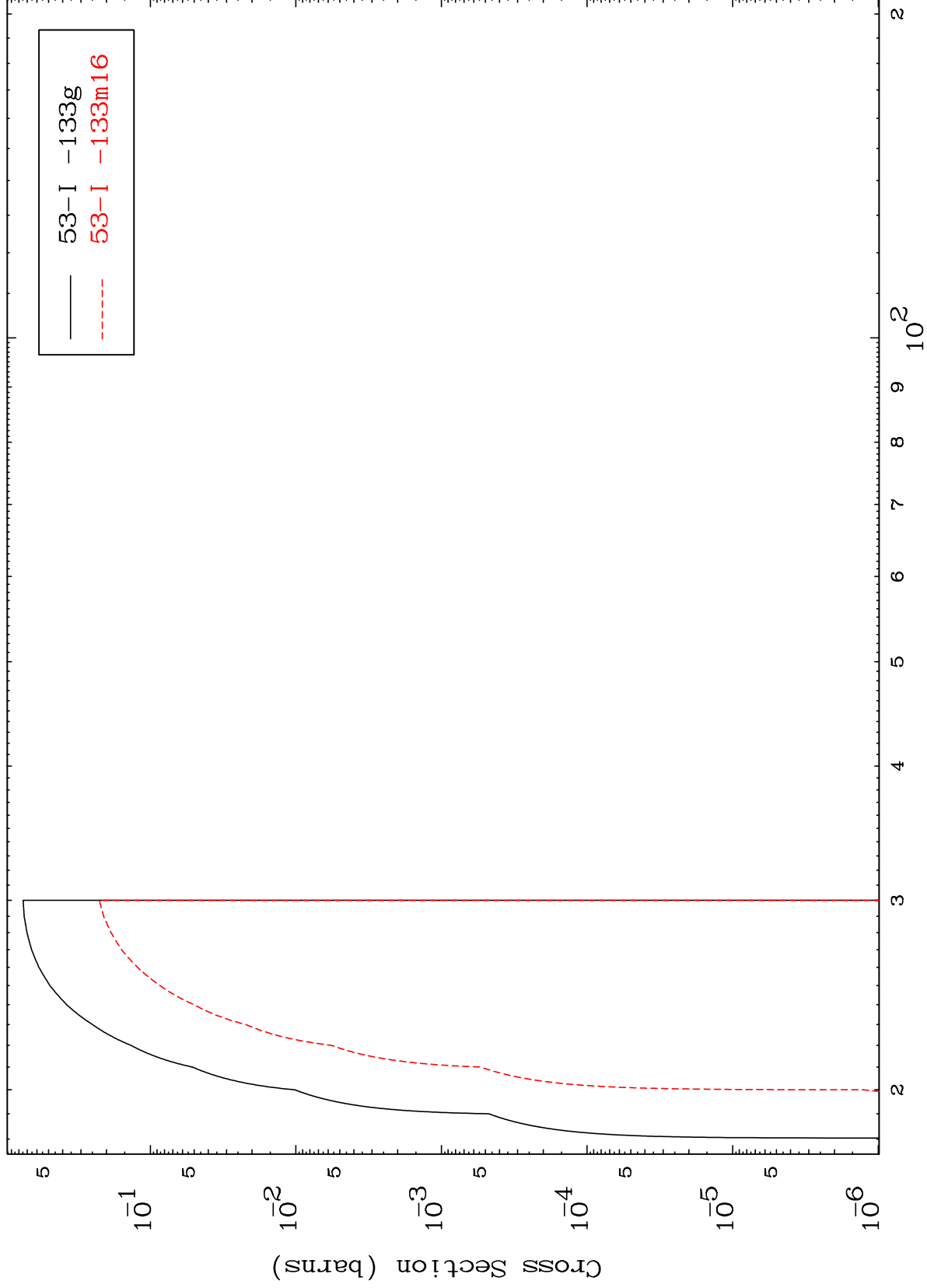
Radionuclide Production Cross Section



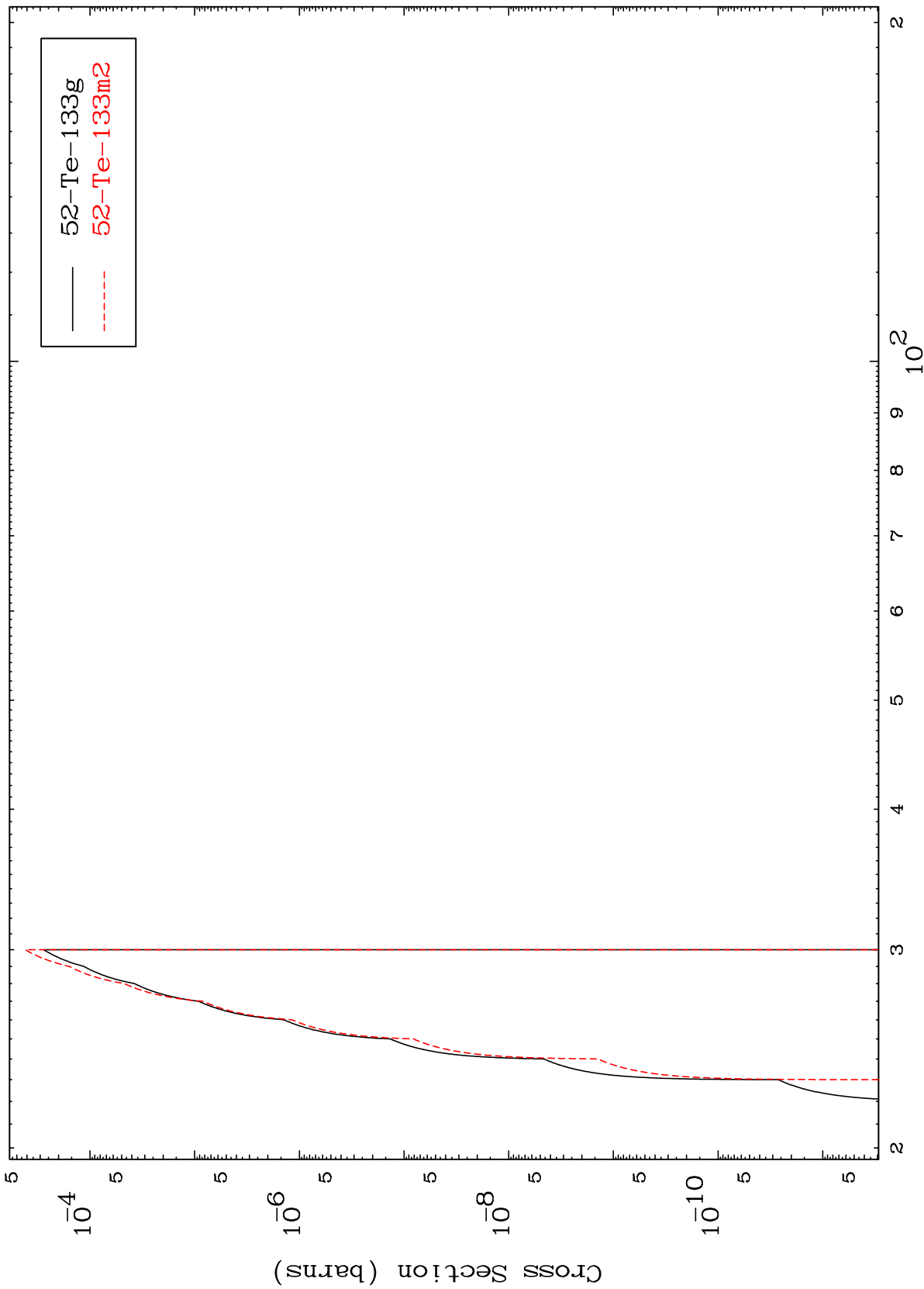
Radionuclide Production Cross Section



Radionuclide Production Cross Section

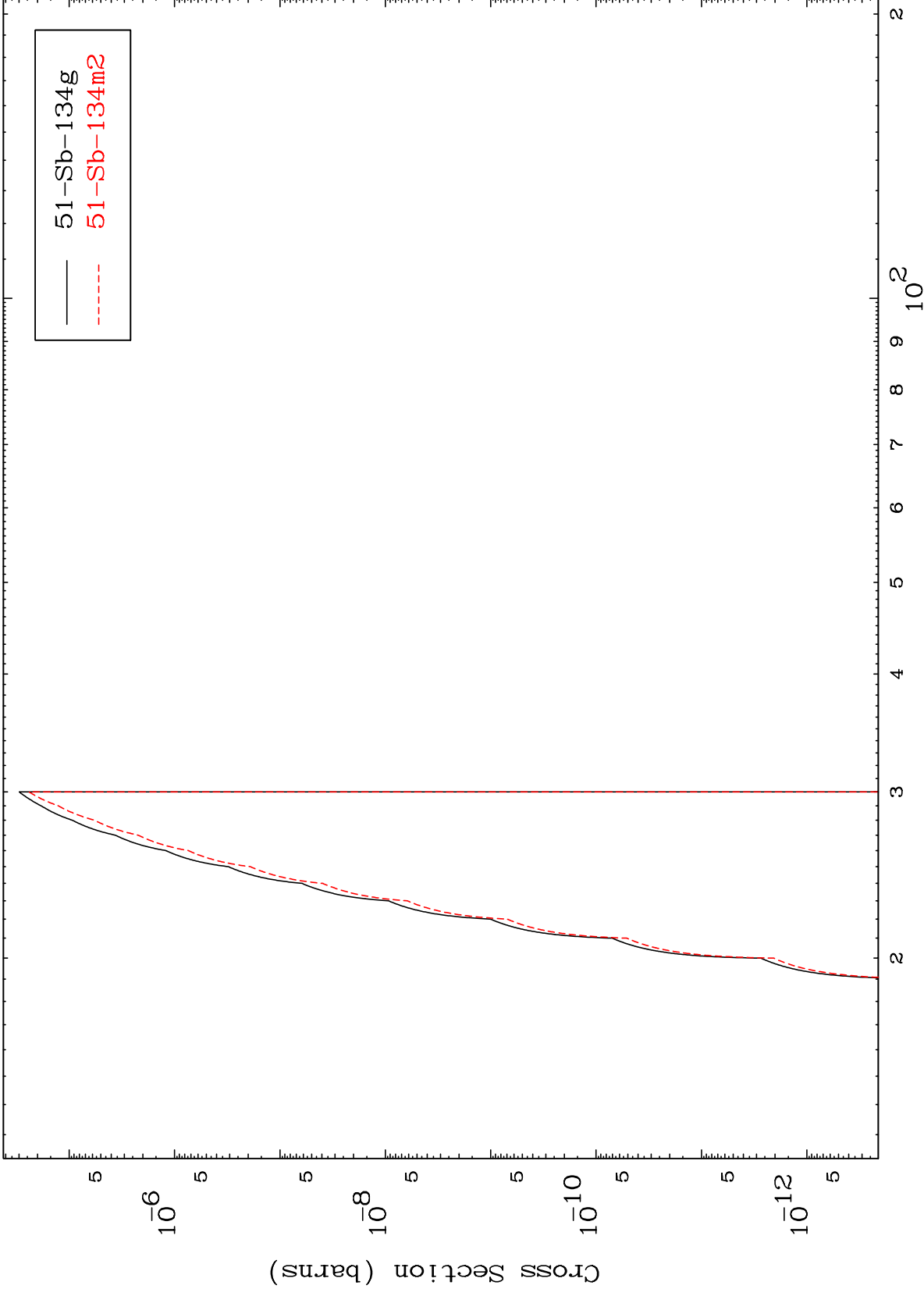


Radionuclide Production Cross Section

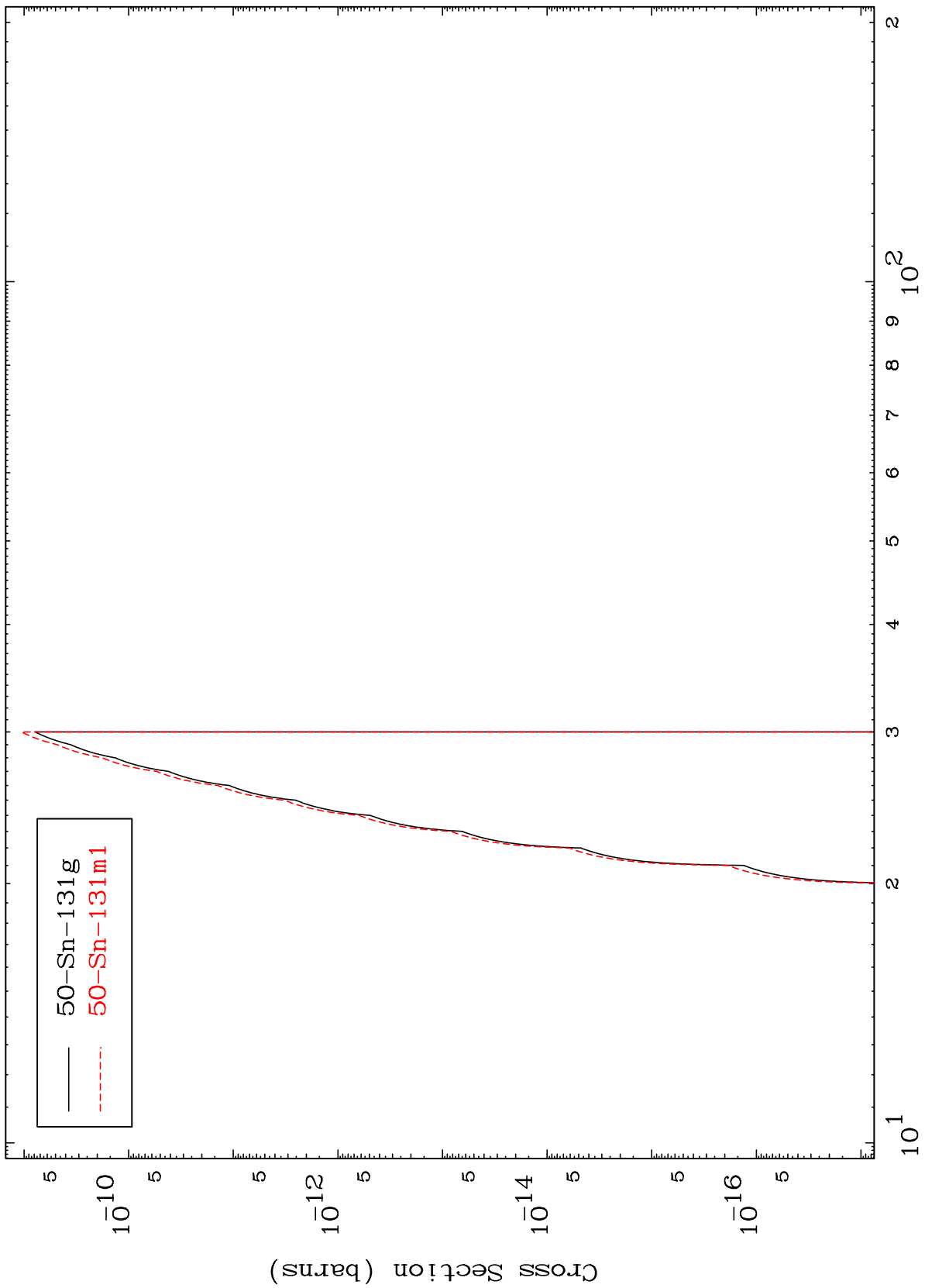


52-Te-133g
52-Te-133m2

Radionuclide Production Cross Section



Radionuclide Production Cross Section



— 50-Sn-131g
- - - 50-Sn-131m1