

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

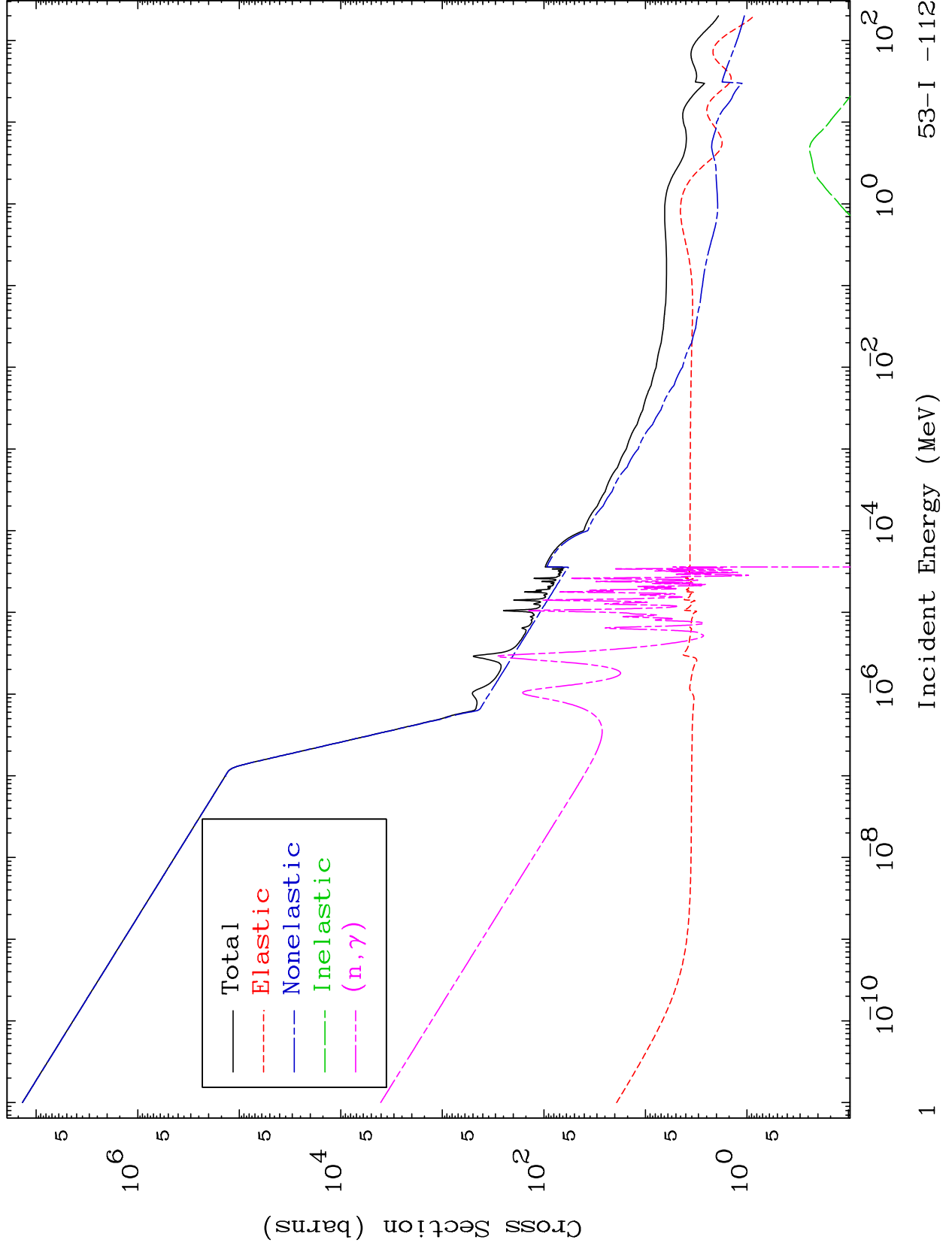
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

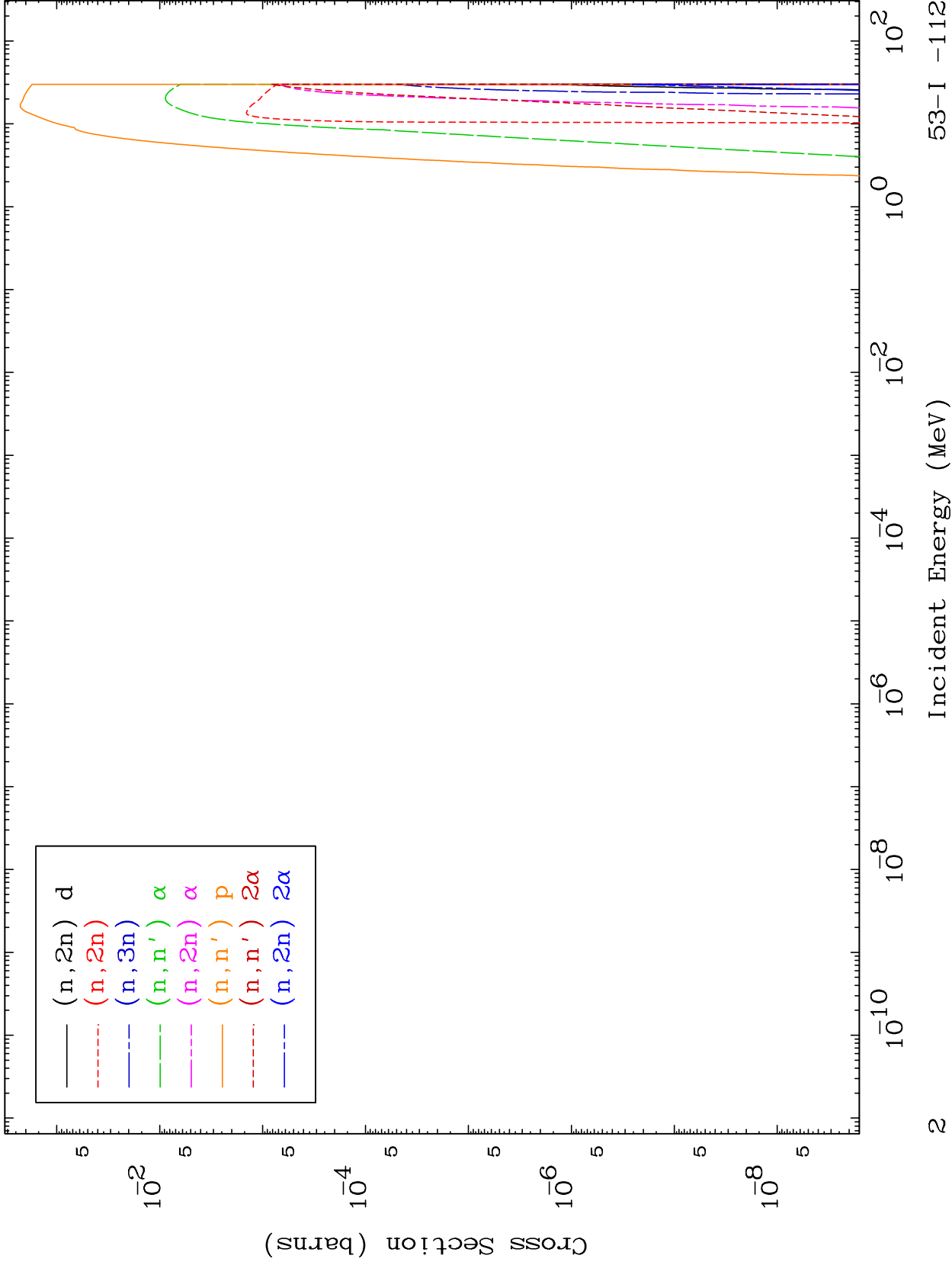
Tele: 925-443-1911

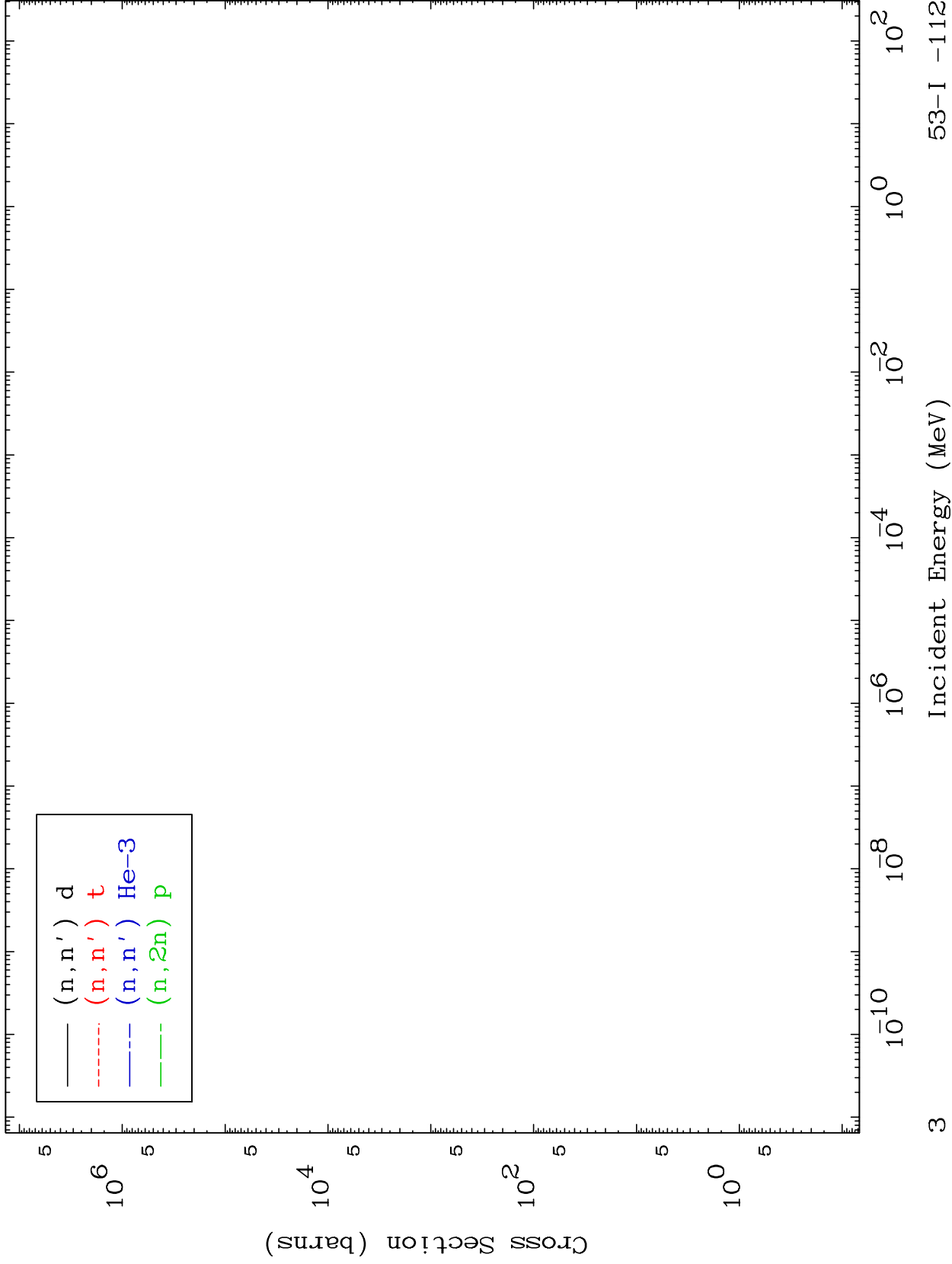
E.Mail: redcullen1@comcast.net

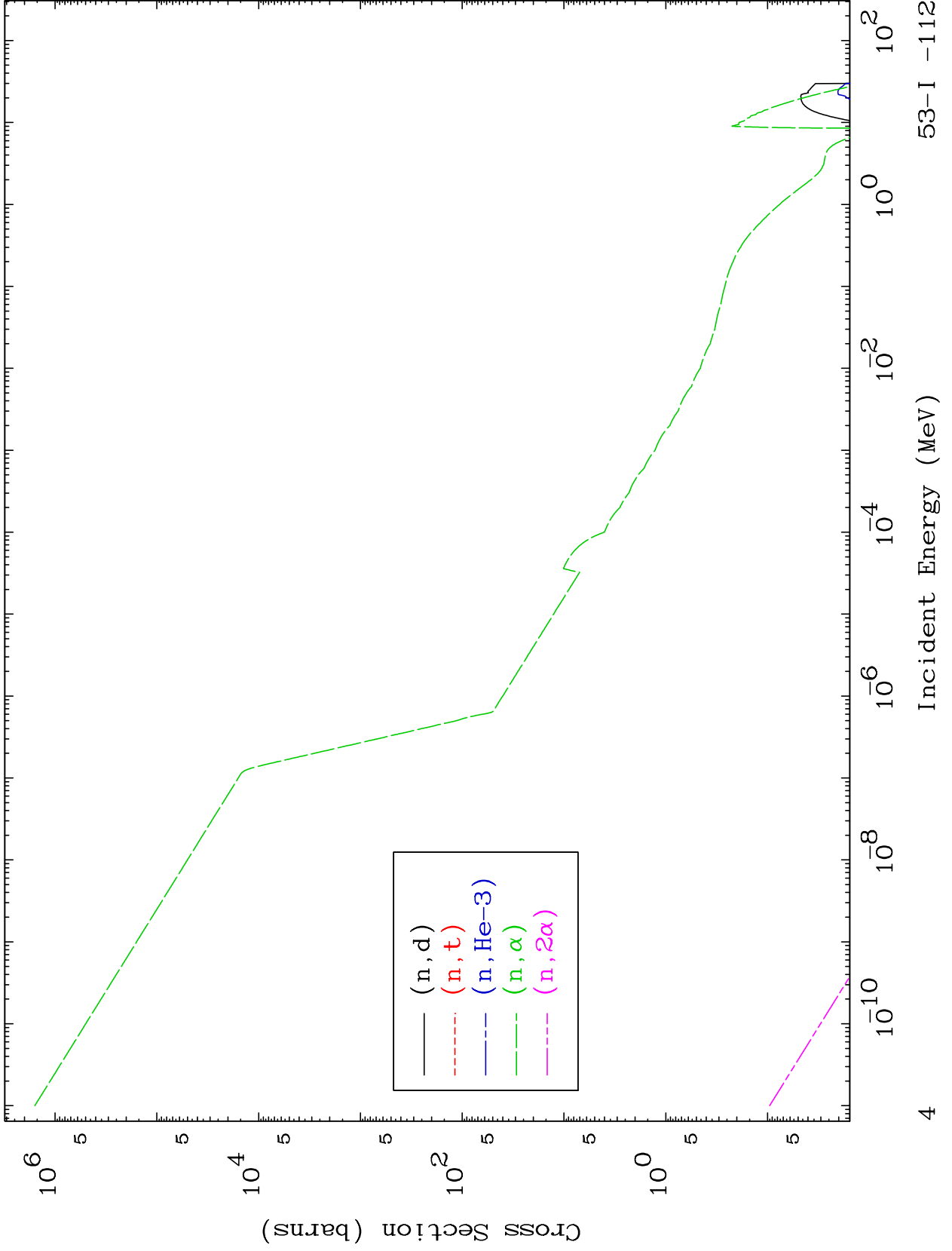
Web: redcullen1.net/HOMEPAGE.NEW

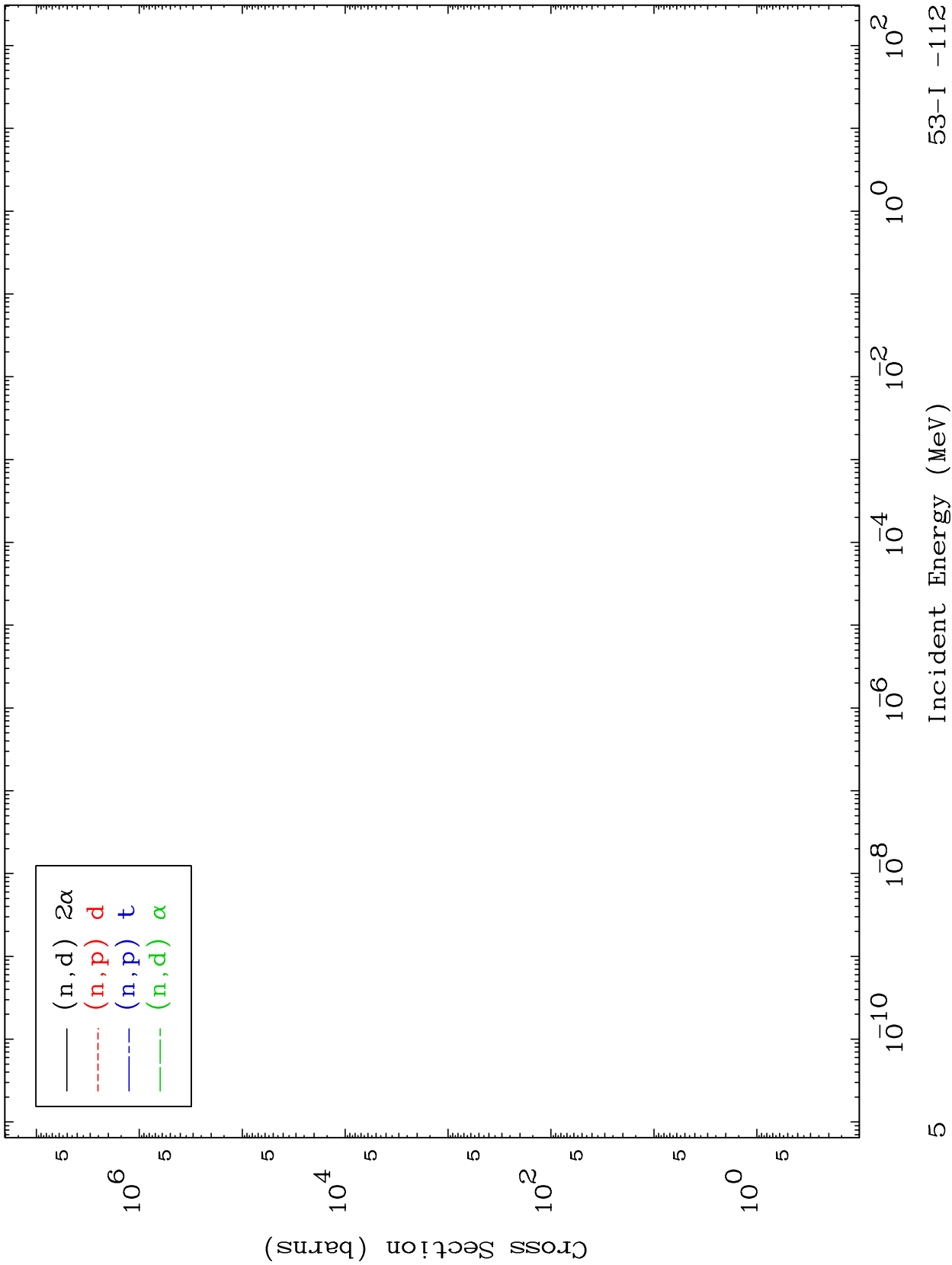
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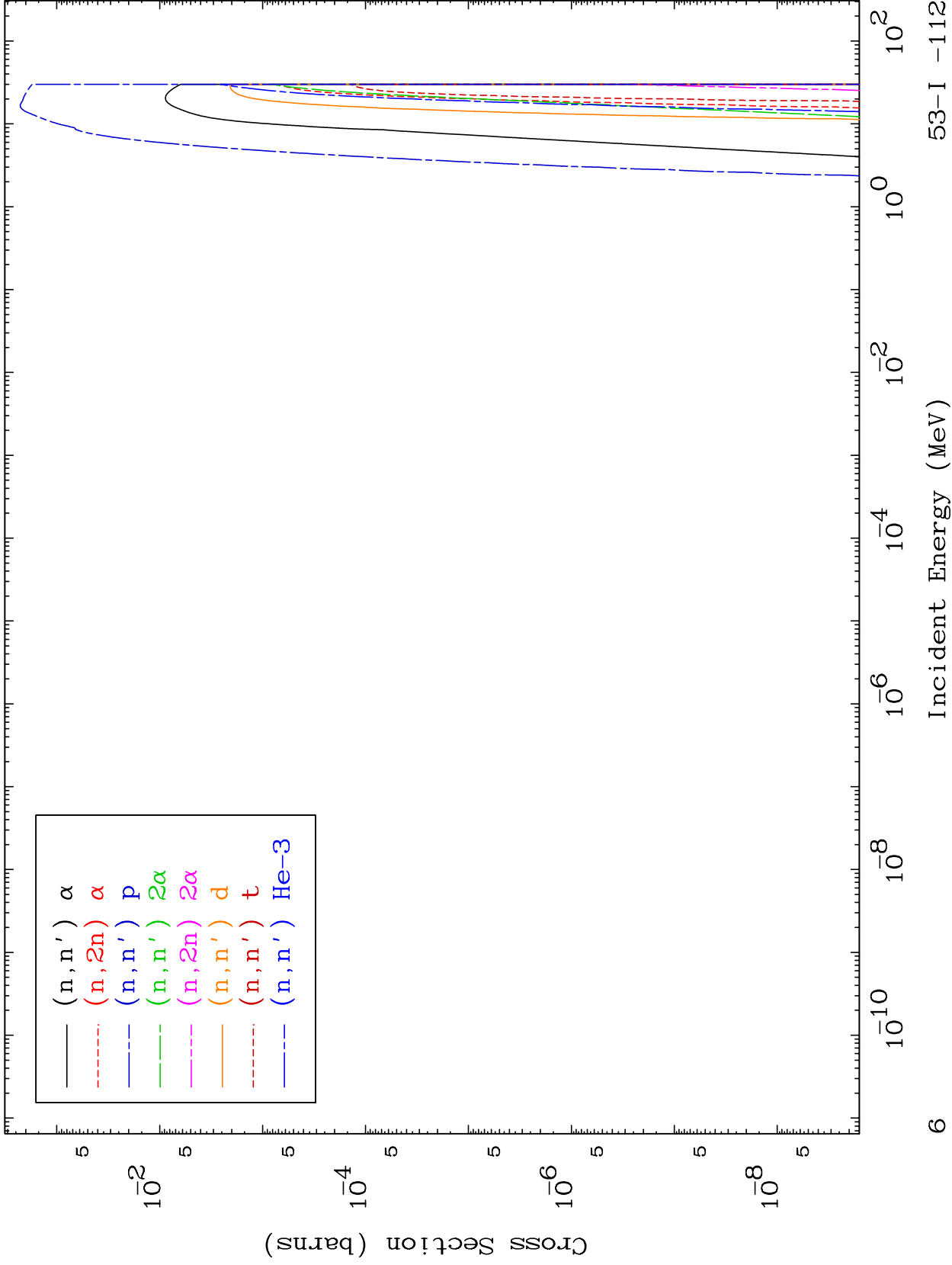


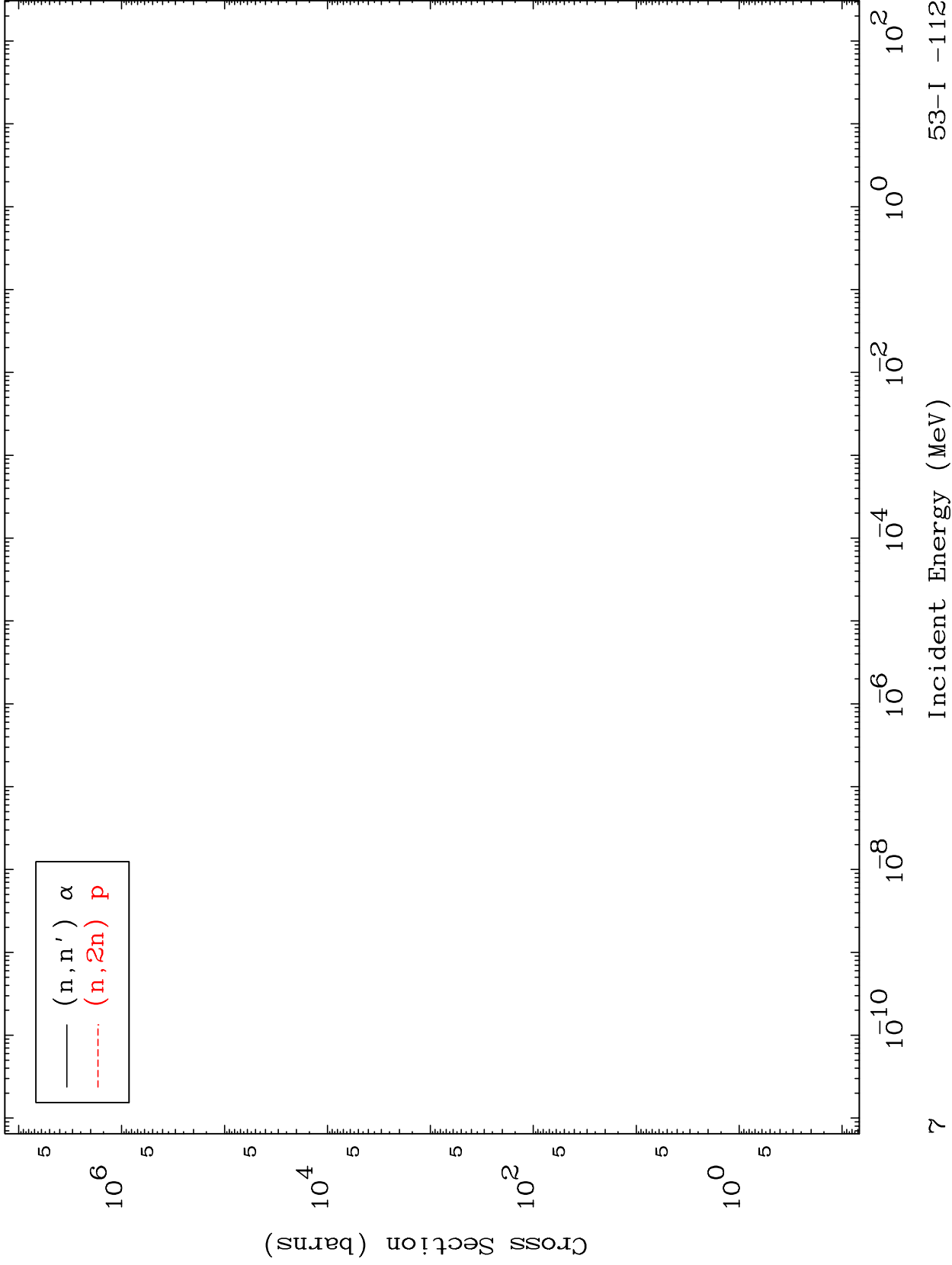


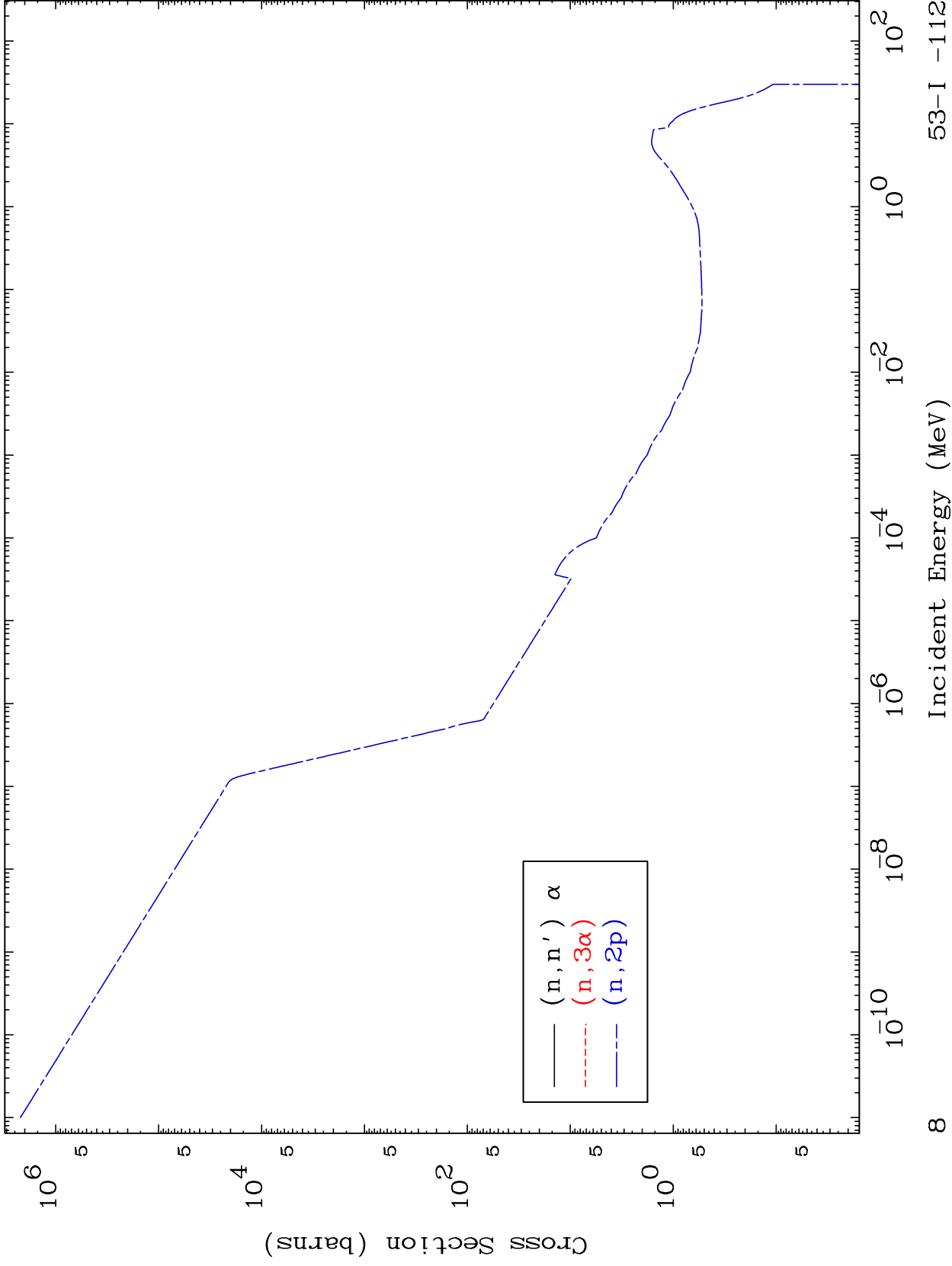


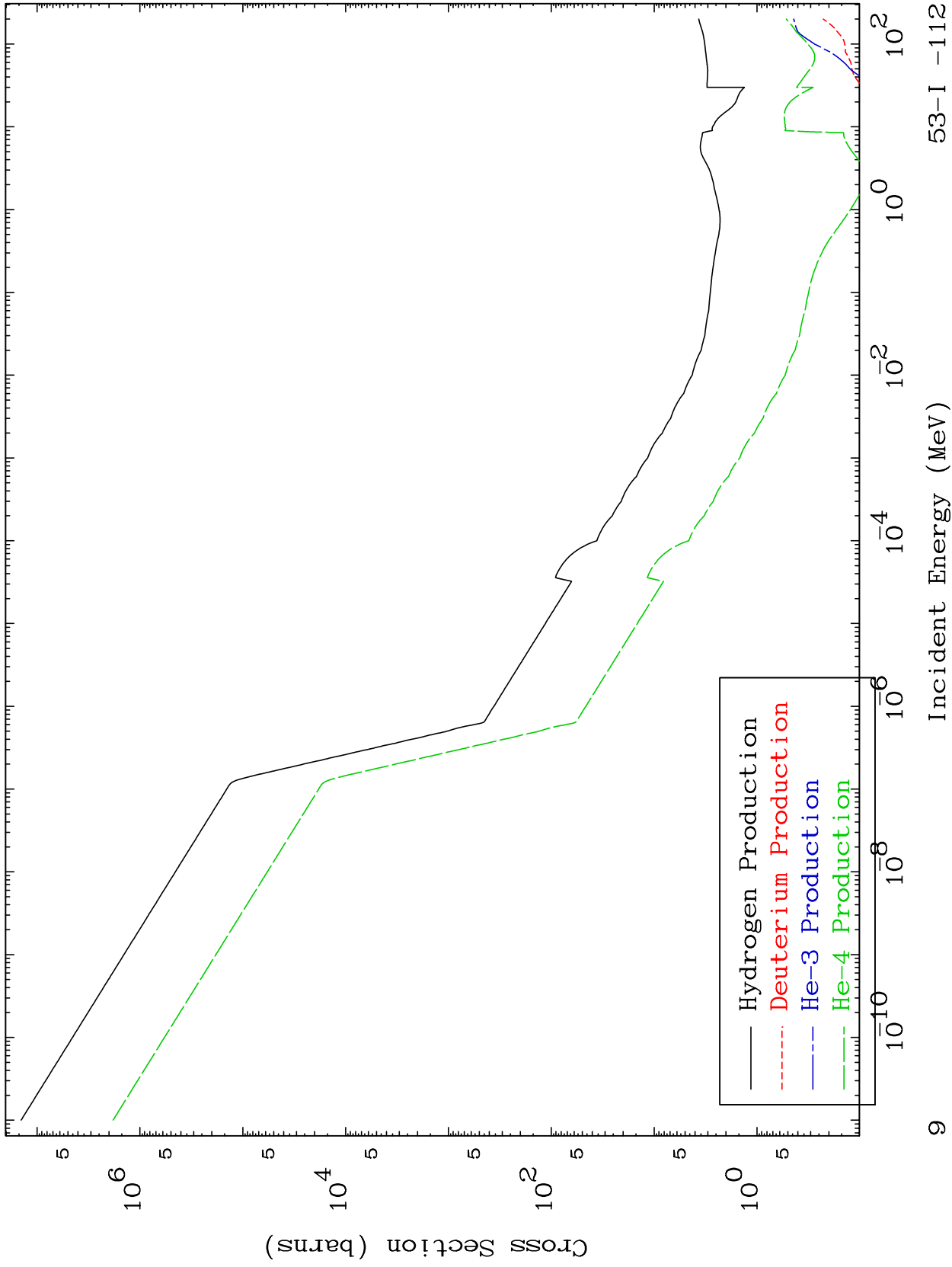








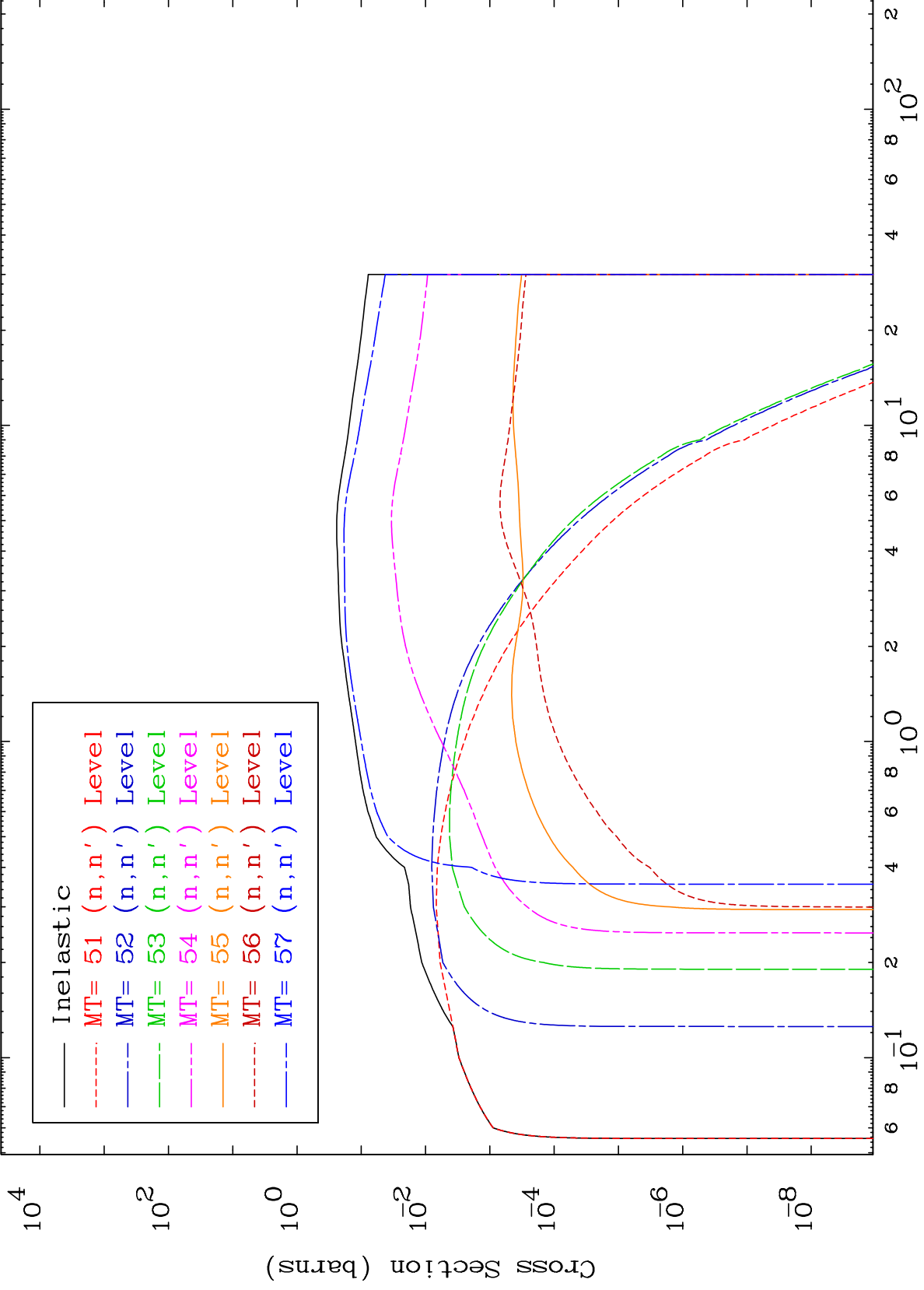




MAT 5280

(n,n') Levels
293 Kelvin Cross Sections

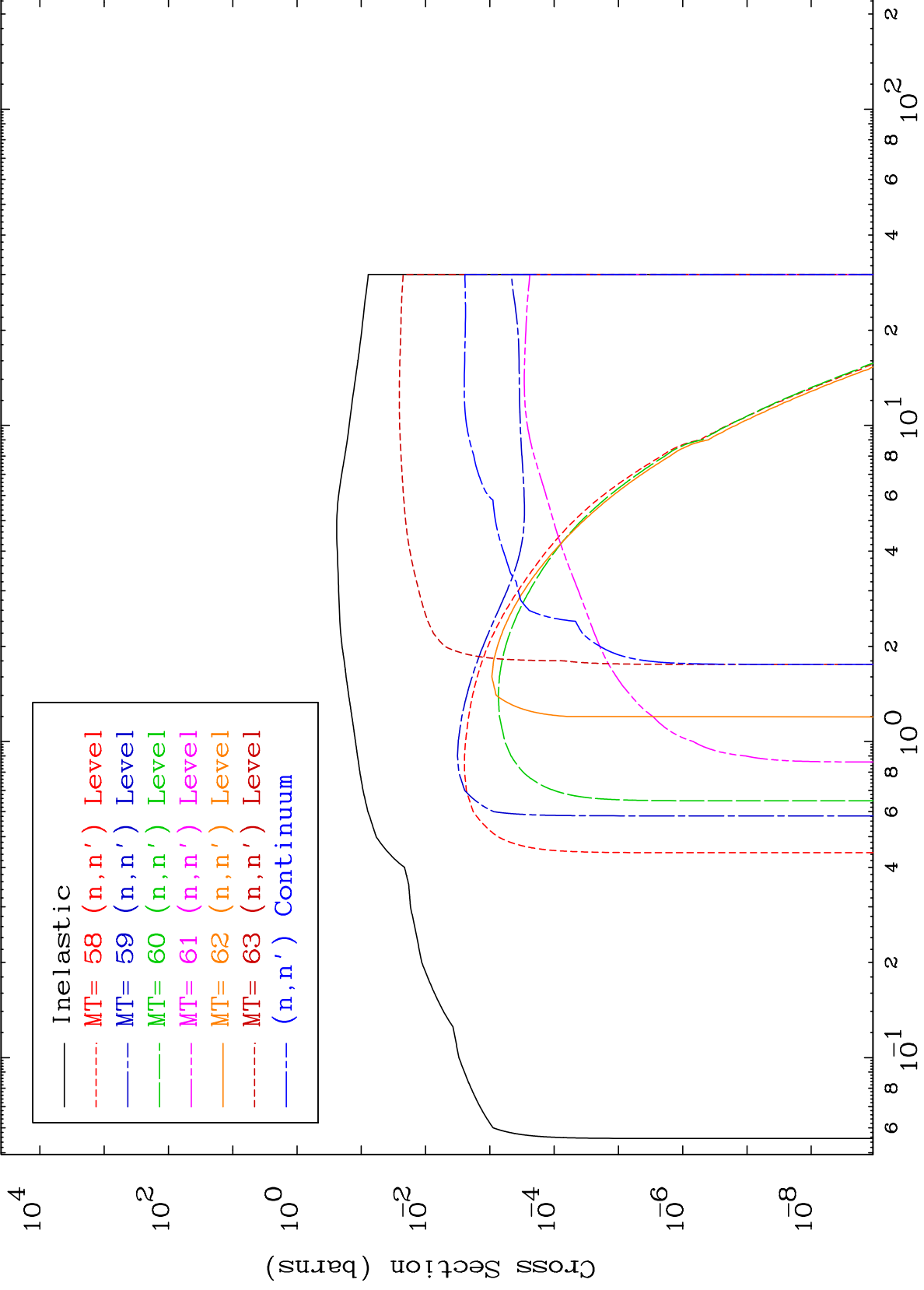
53-I -112



10

Incident Energy (MeV)

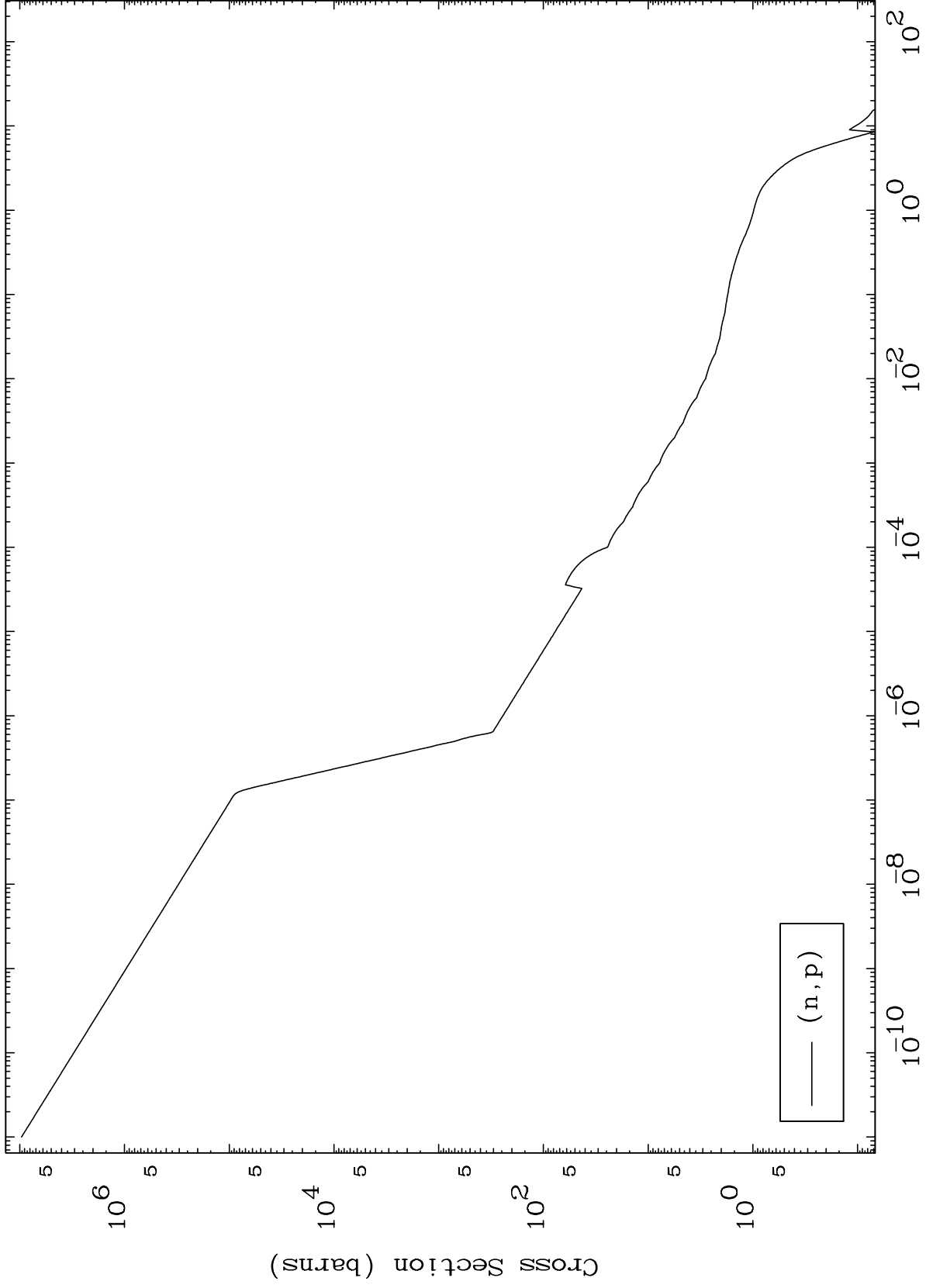
53-I -112



MAT 5280

(n,p) Levels
293 Kelvin Cross Sections

53-I -112



12

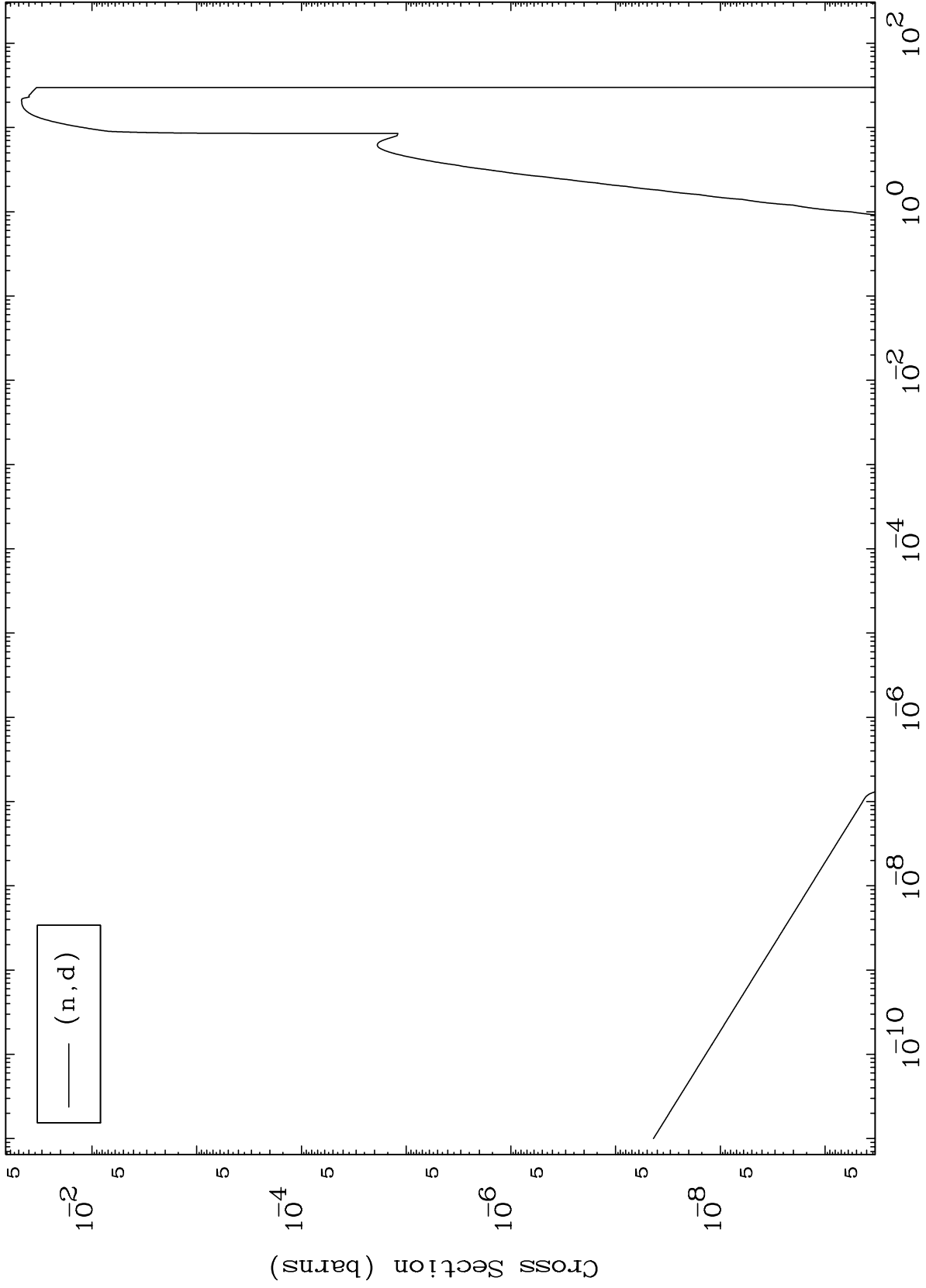
Incident Energy (MeV)

53-I -112

MAT 5280

(n,d) Levels
293 Kelvin Cross Sections

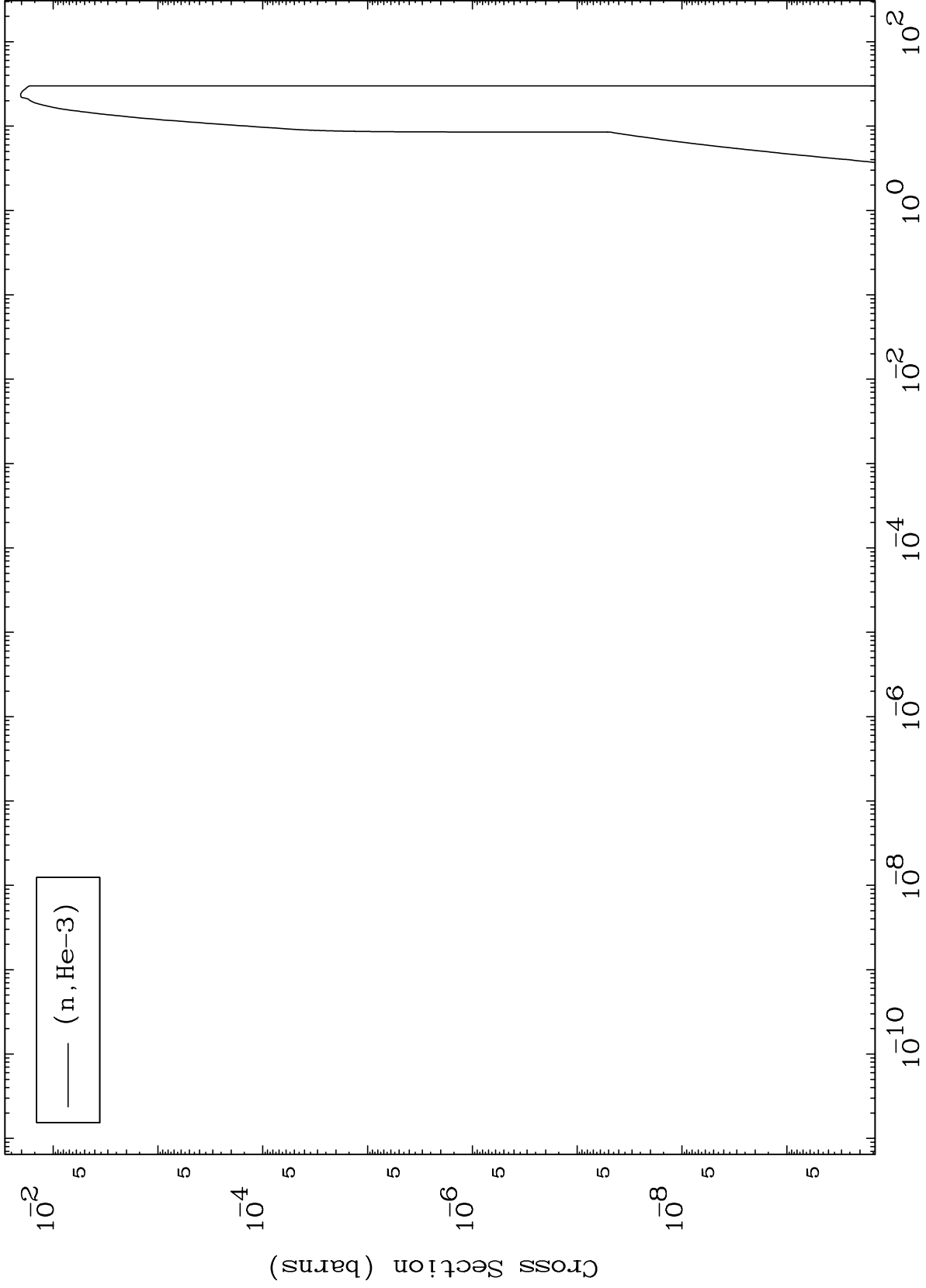
53-I -112



MAT 5280

(n,He3) Levels
293 Kelvin Cross Sections

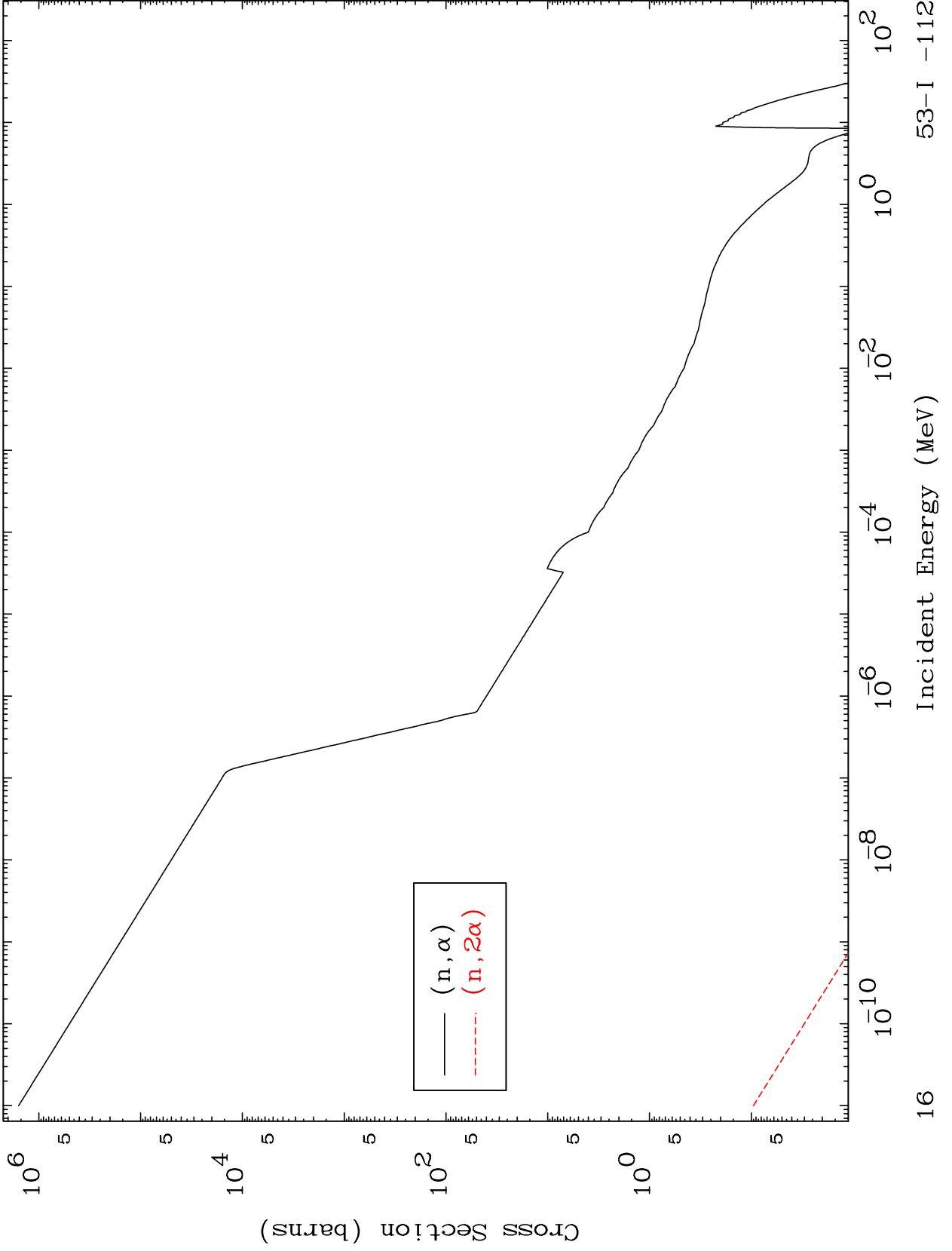
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15

Incident Energy (MeV)

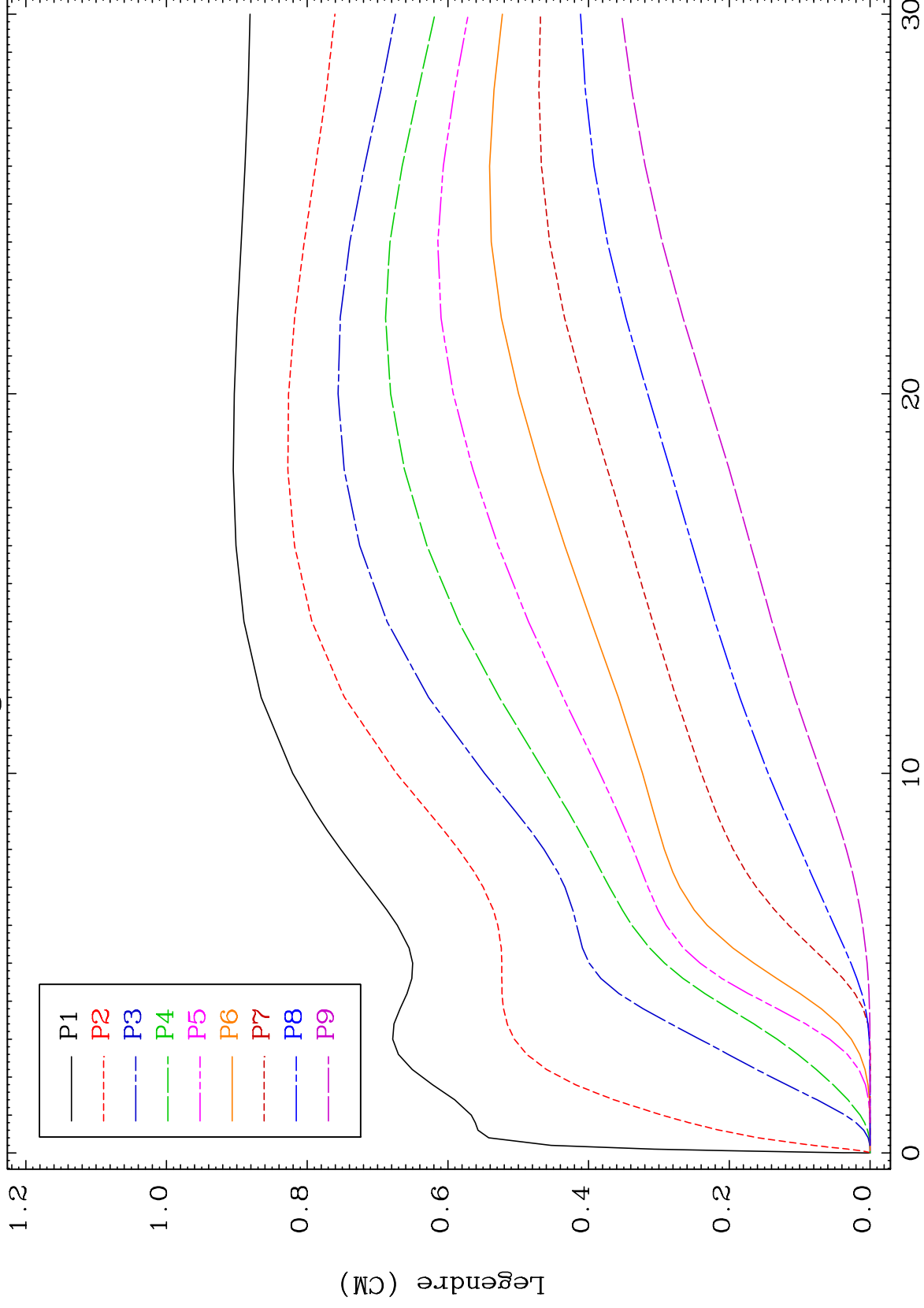
53-I -112



MAT 5280

Elastic Legendre Coefficients

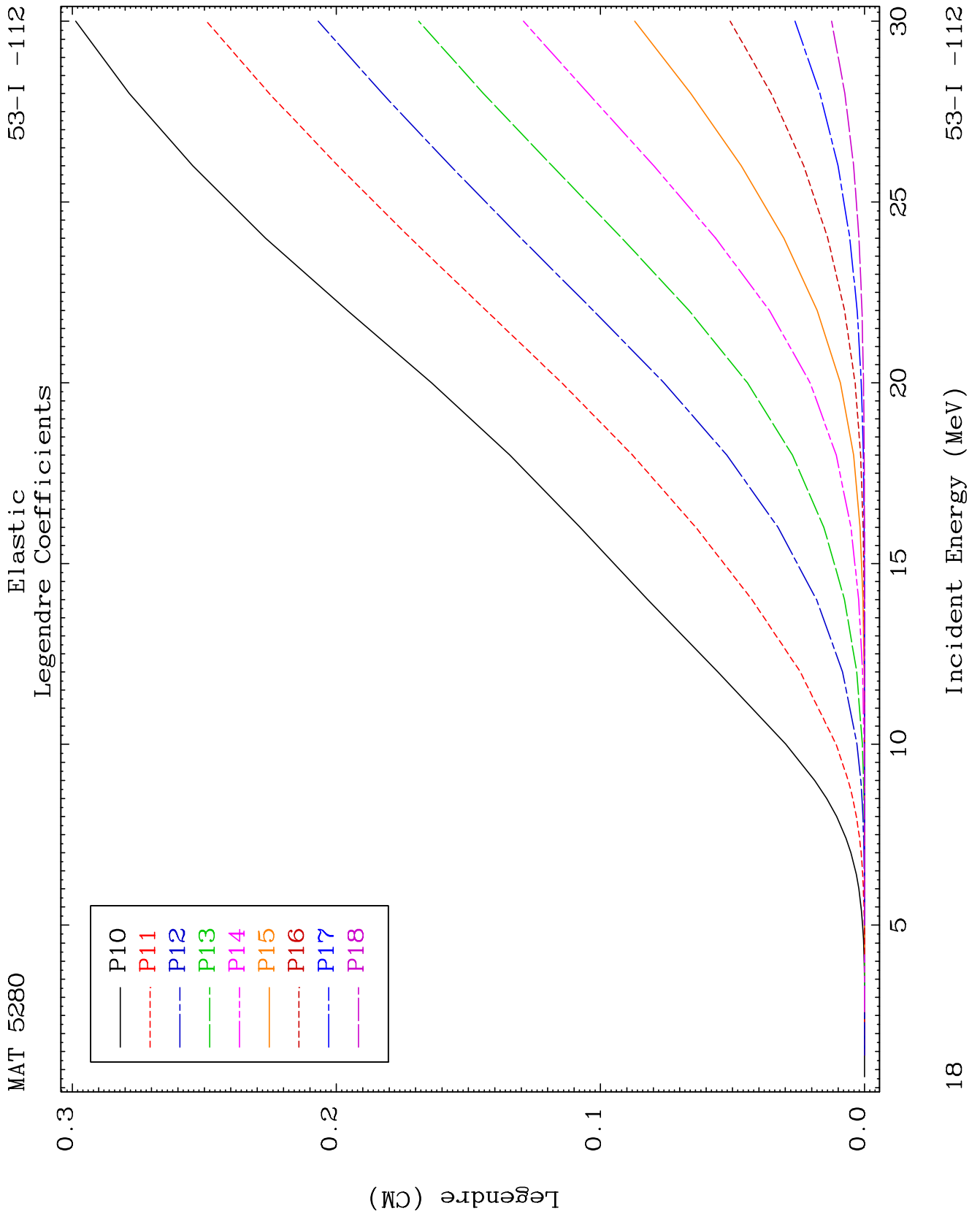
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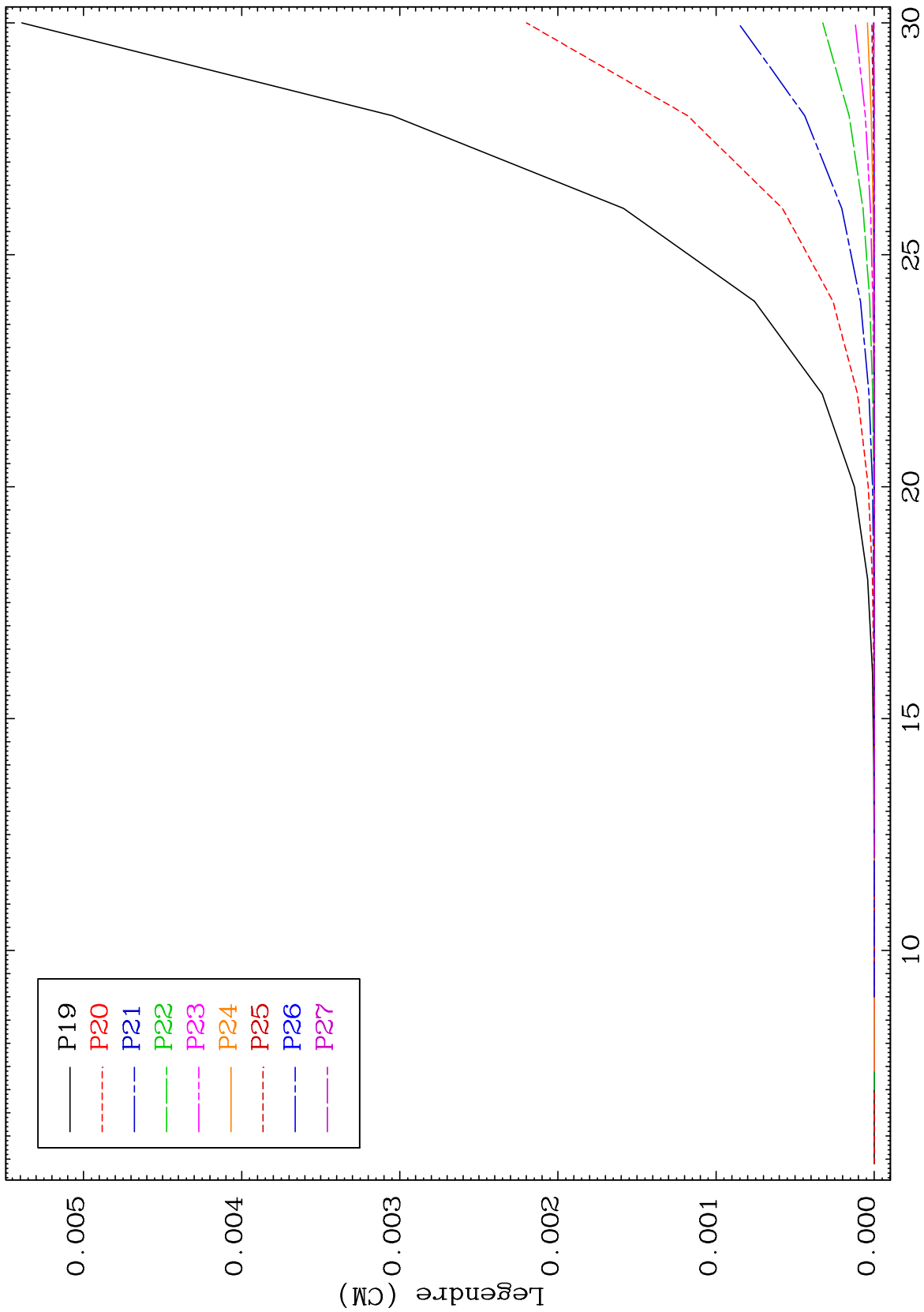
17

Incident Energy (MeV)

53-I -112



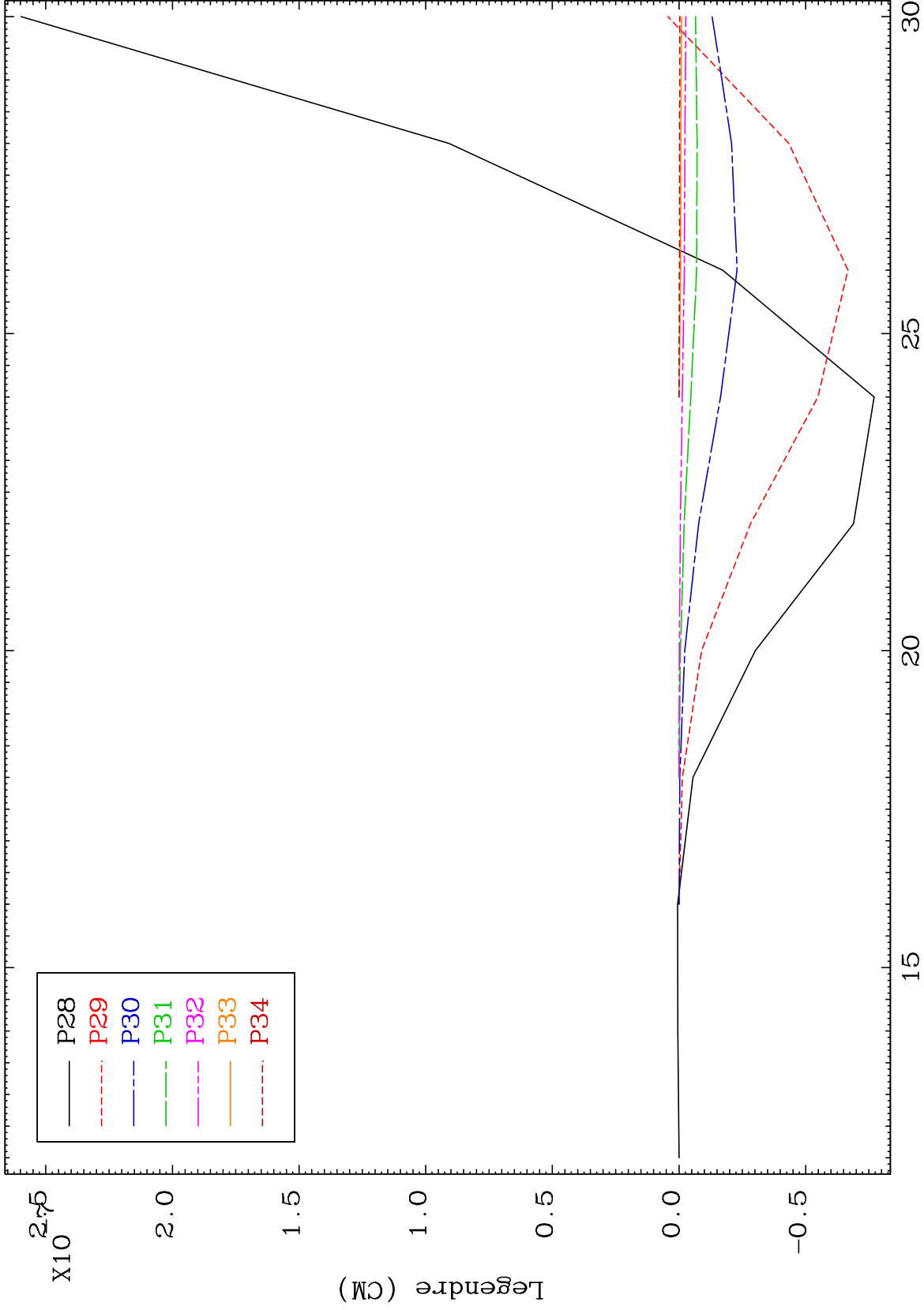
Elastic Legendre Coefficients



MAT 5280

Elastic Legendre Coefficients

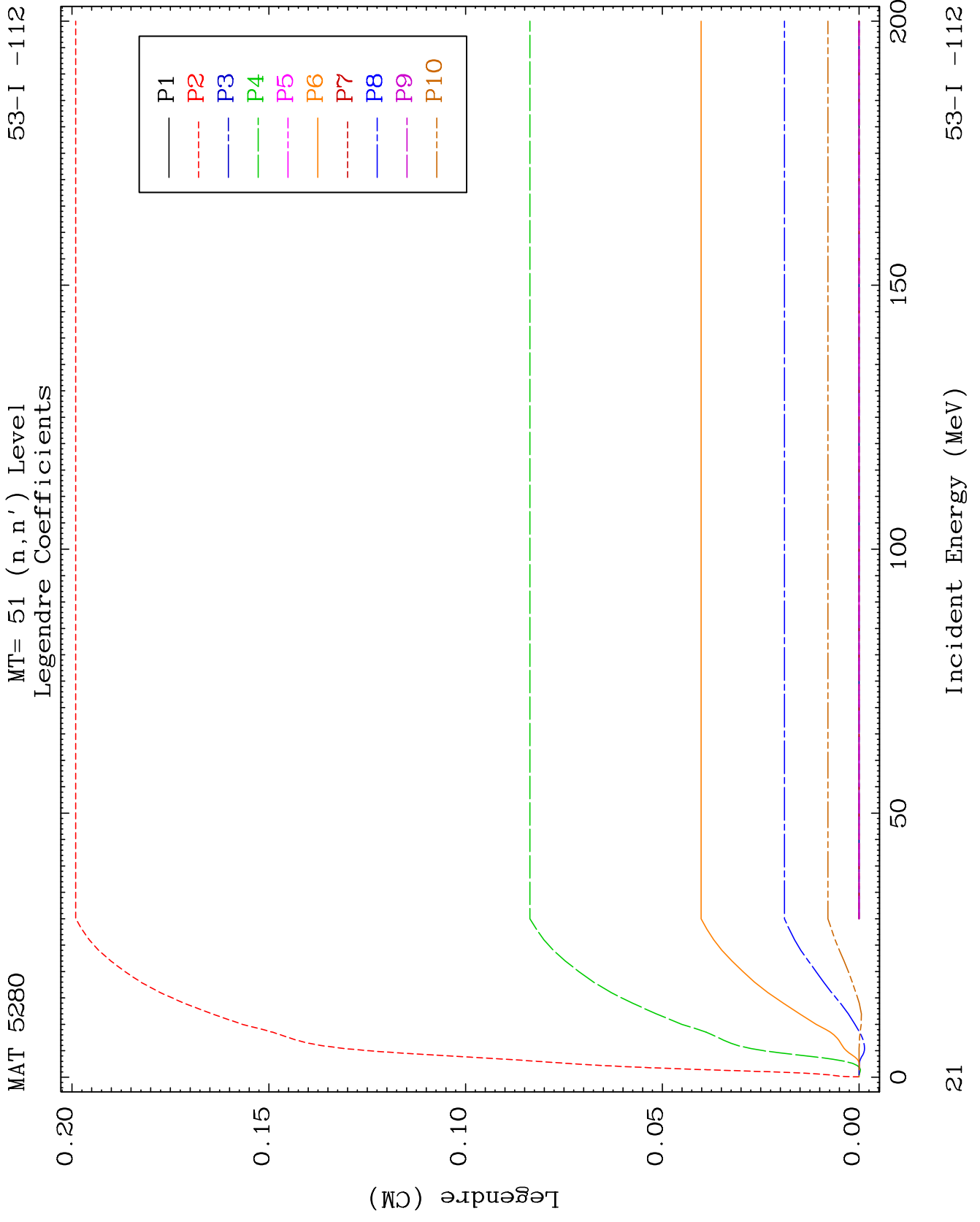
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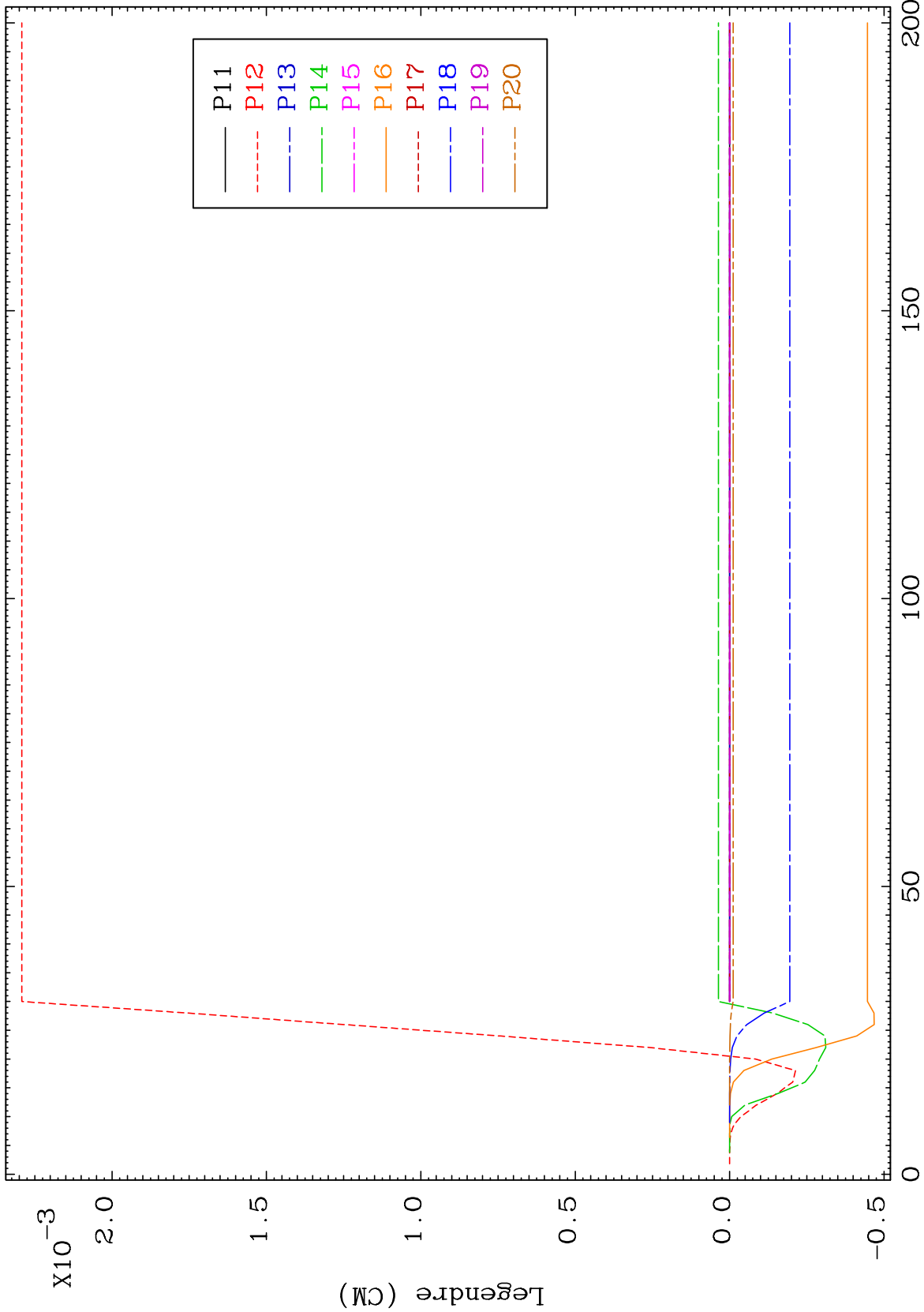


20

Incident Energy (MeV)

53-I -112

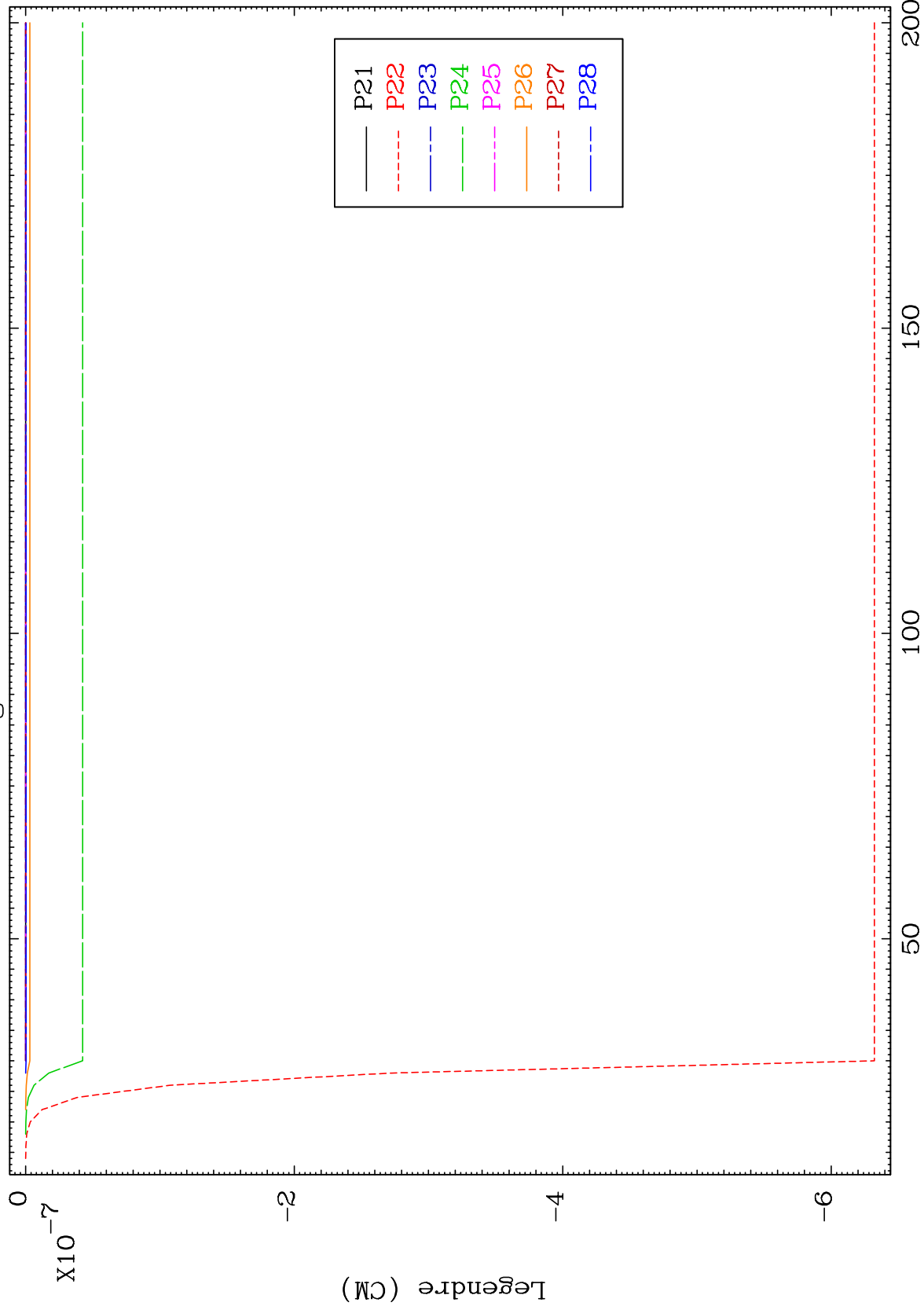




MAT 5280

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

53-I -112



53-I -112

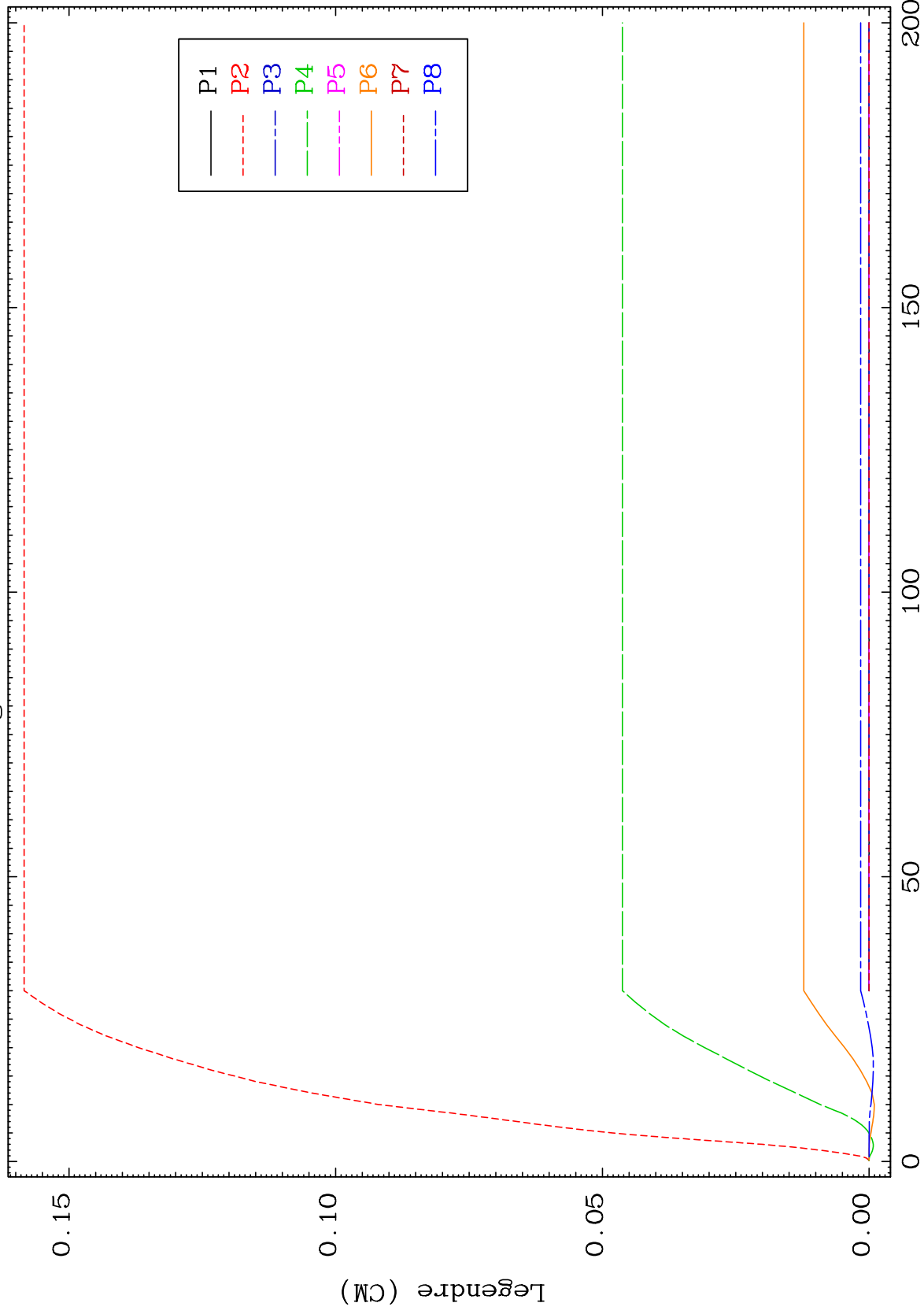
Incident Energy (MeV)

23

MAT 5280

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

53-I -112



24

Incident Energy (MeV)

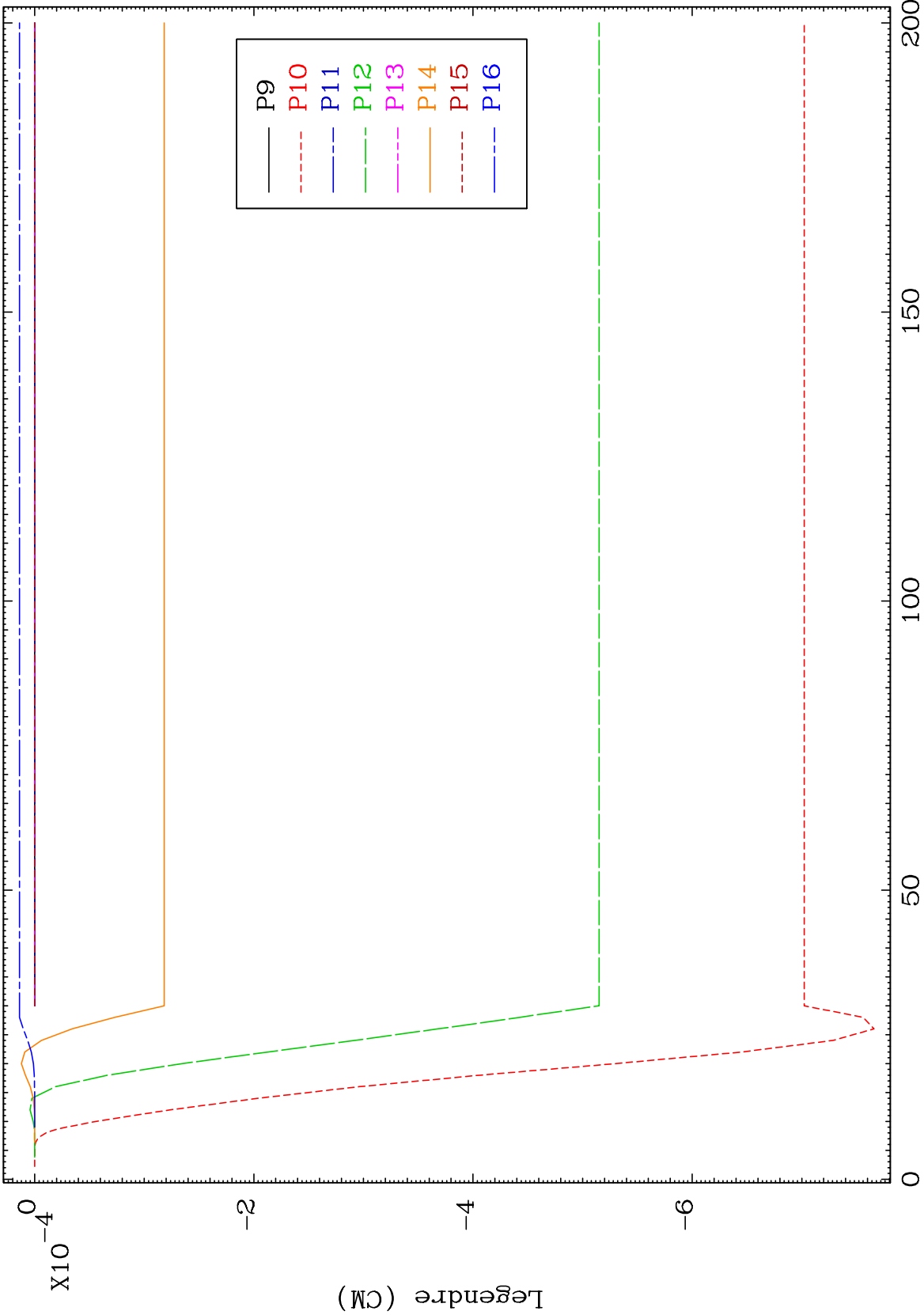
53-I -112

MAT 5280

MT= 52 (n,n') Level

53-I -112

Legendre Coefficients



53-I -112

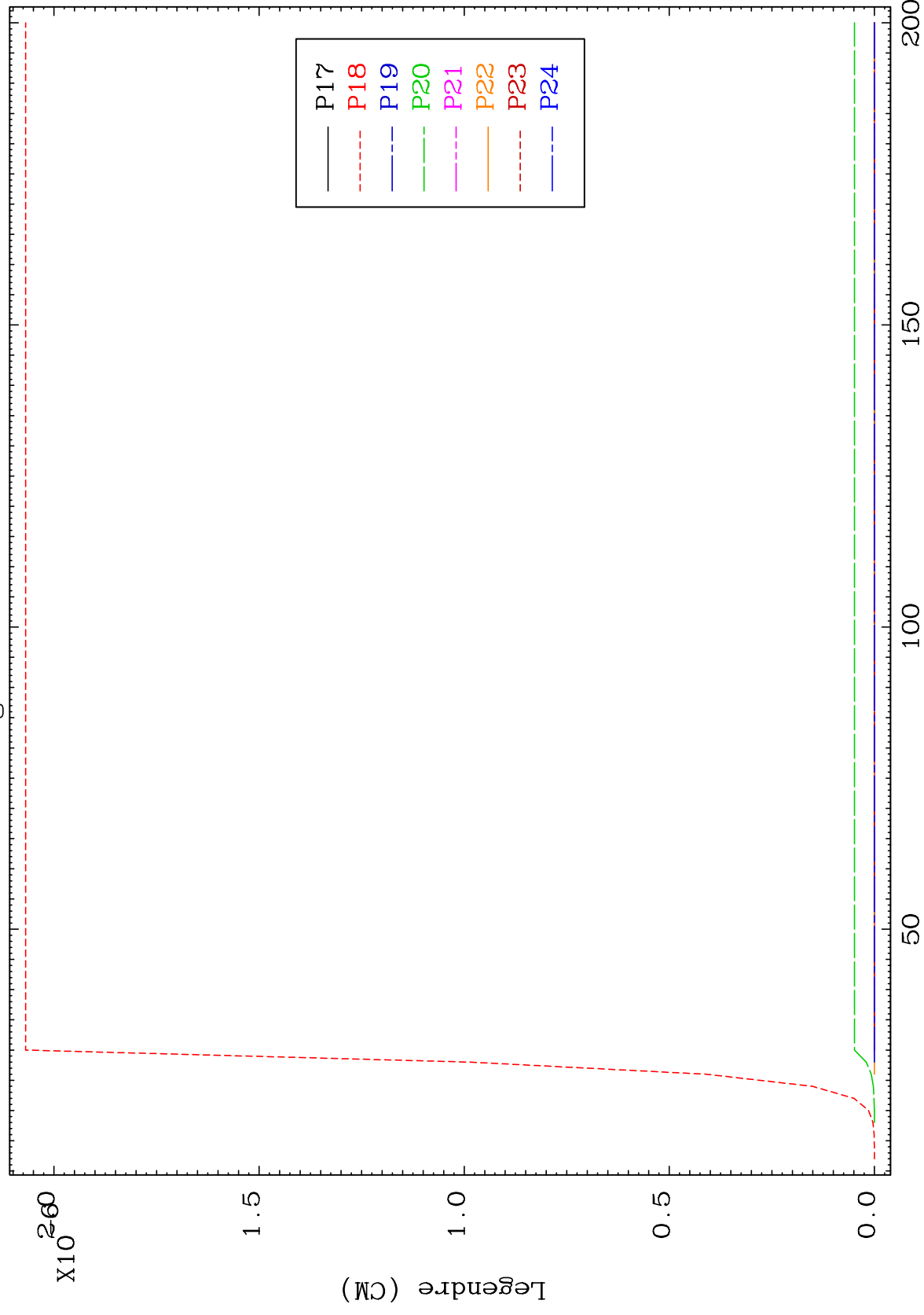
Incident Energy (MeV)

25

MAT 5280

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

53-I -112



26

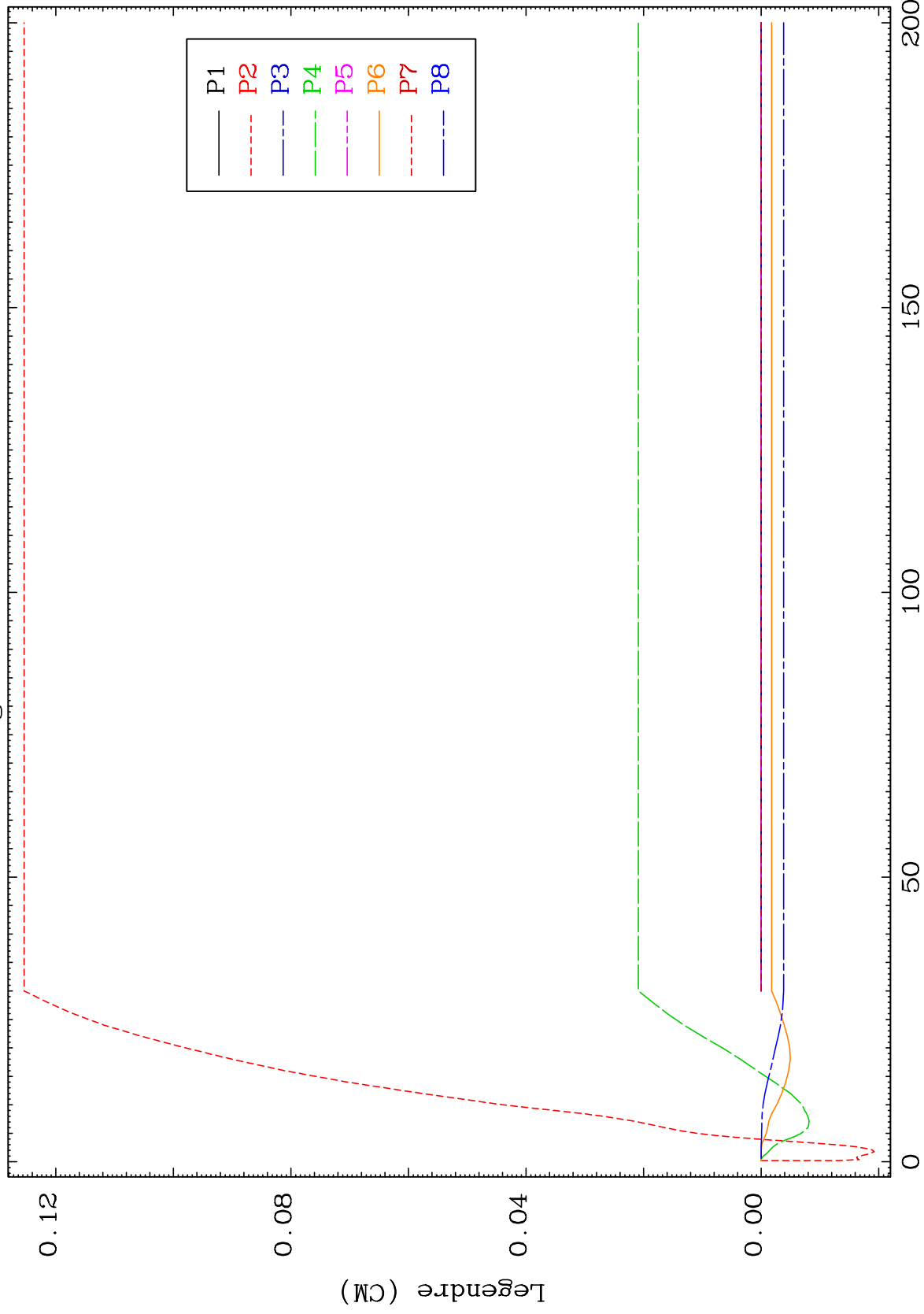
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



27

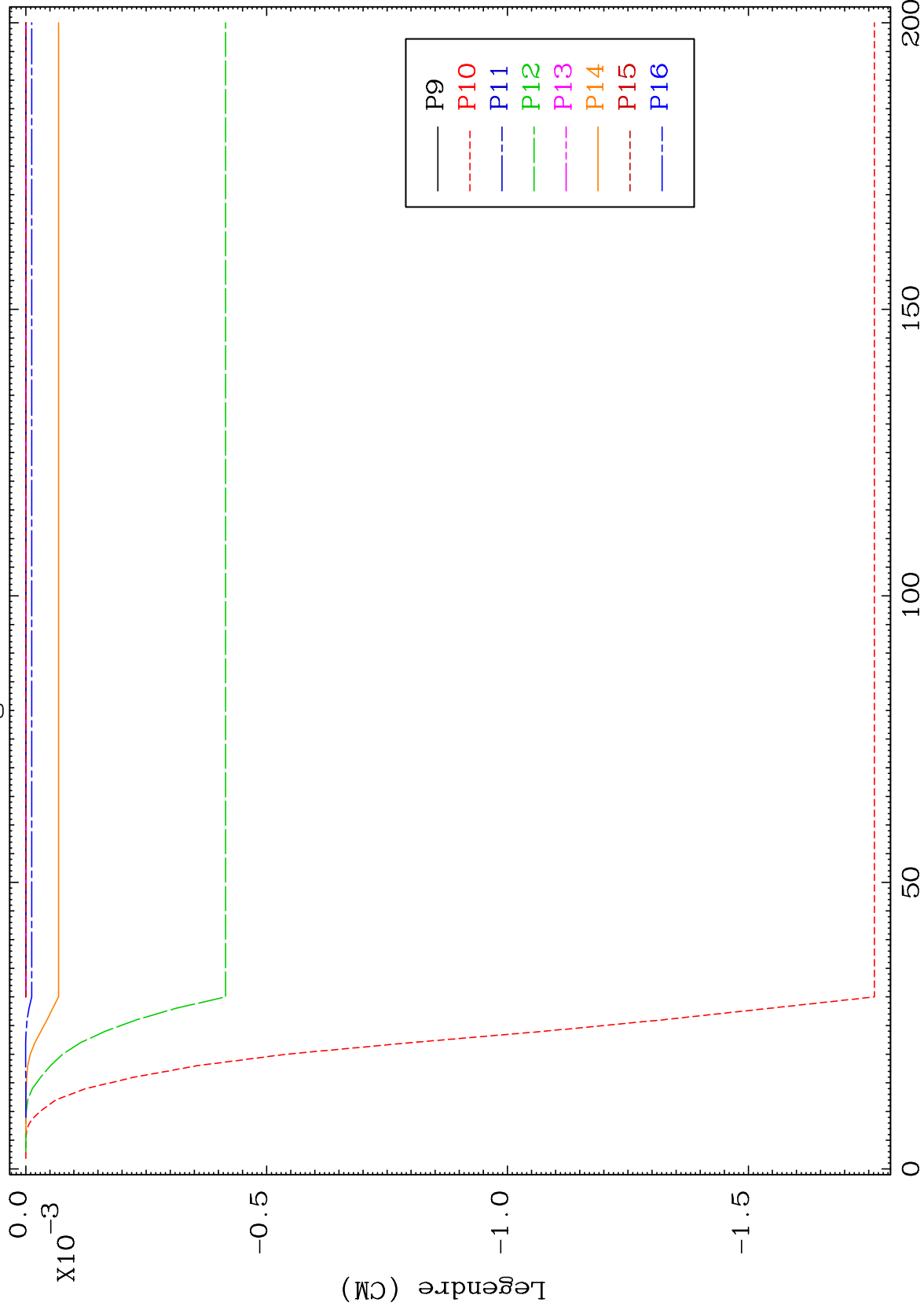
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



53-I -112

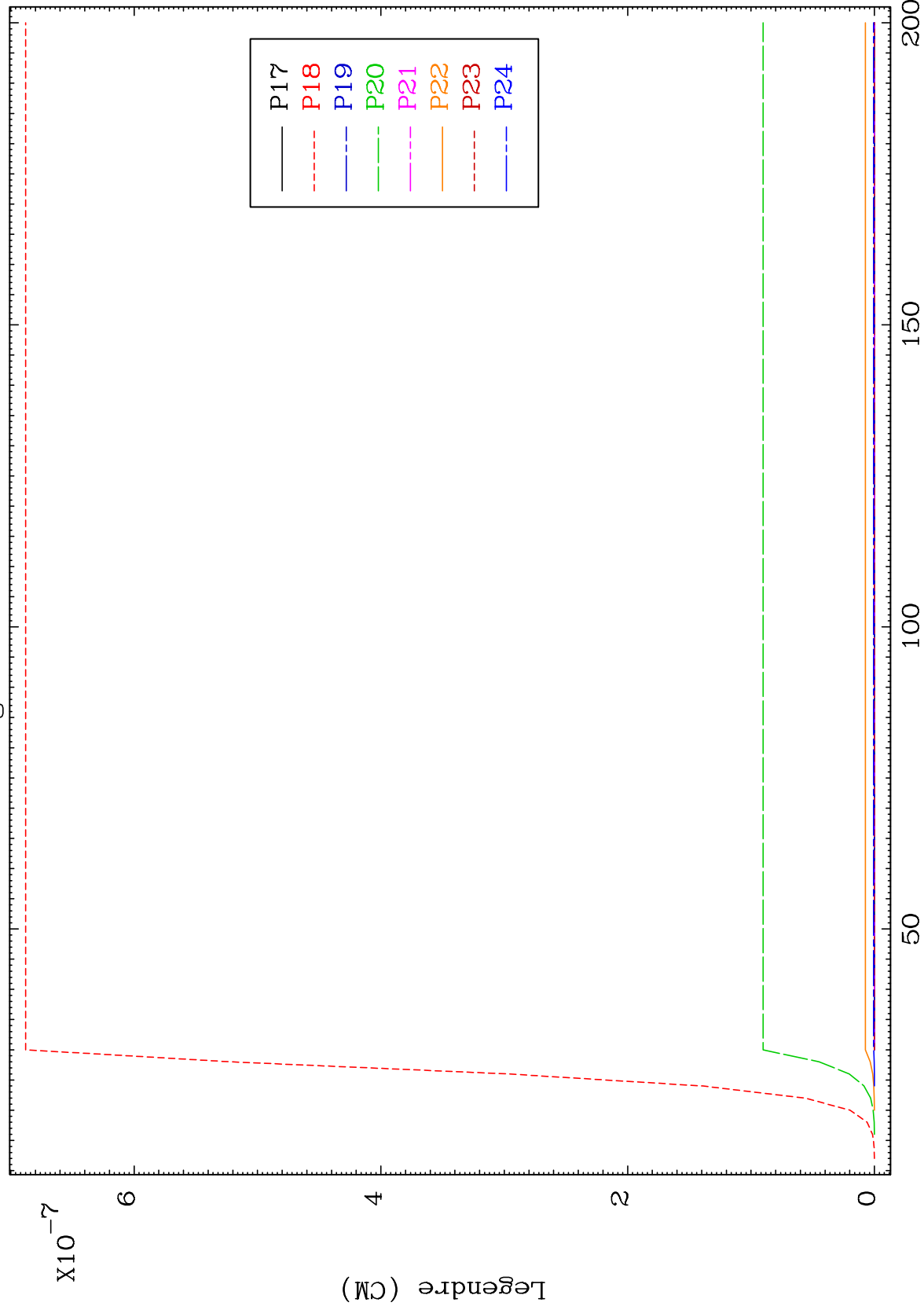
Incident Energy (MeV)

28

MAT 5280

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

53-I -112



29

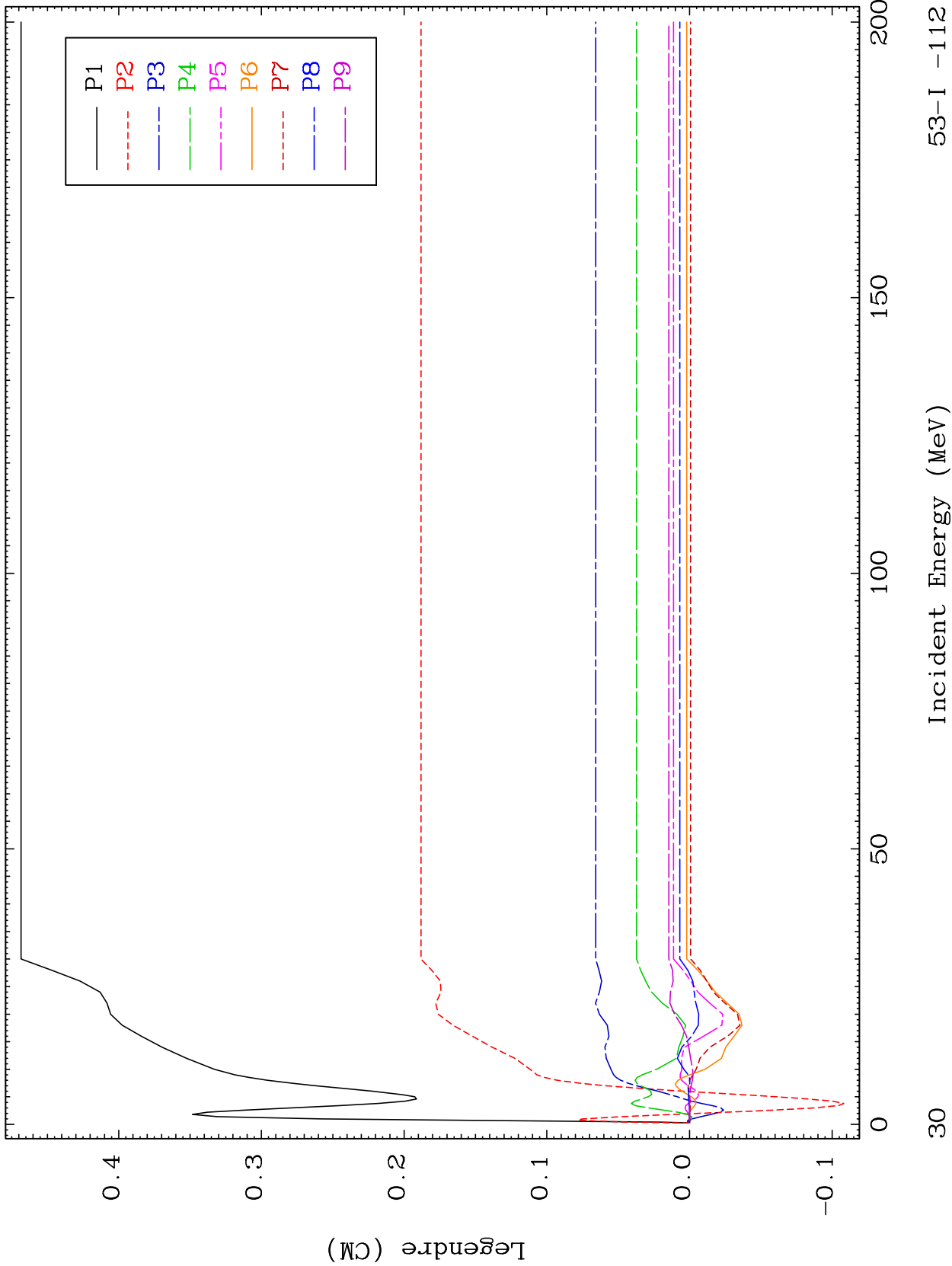
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



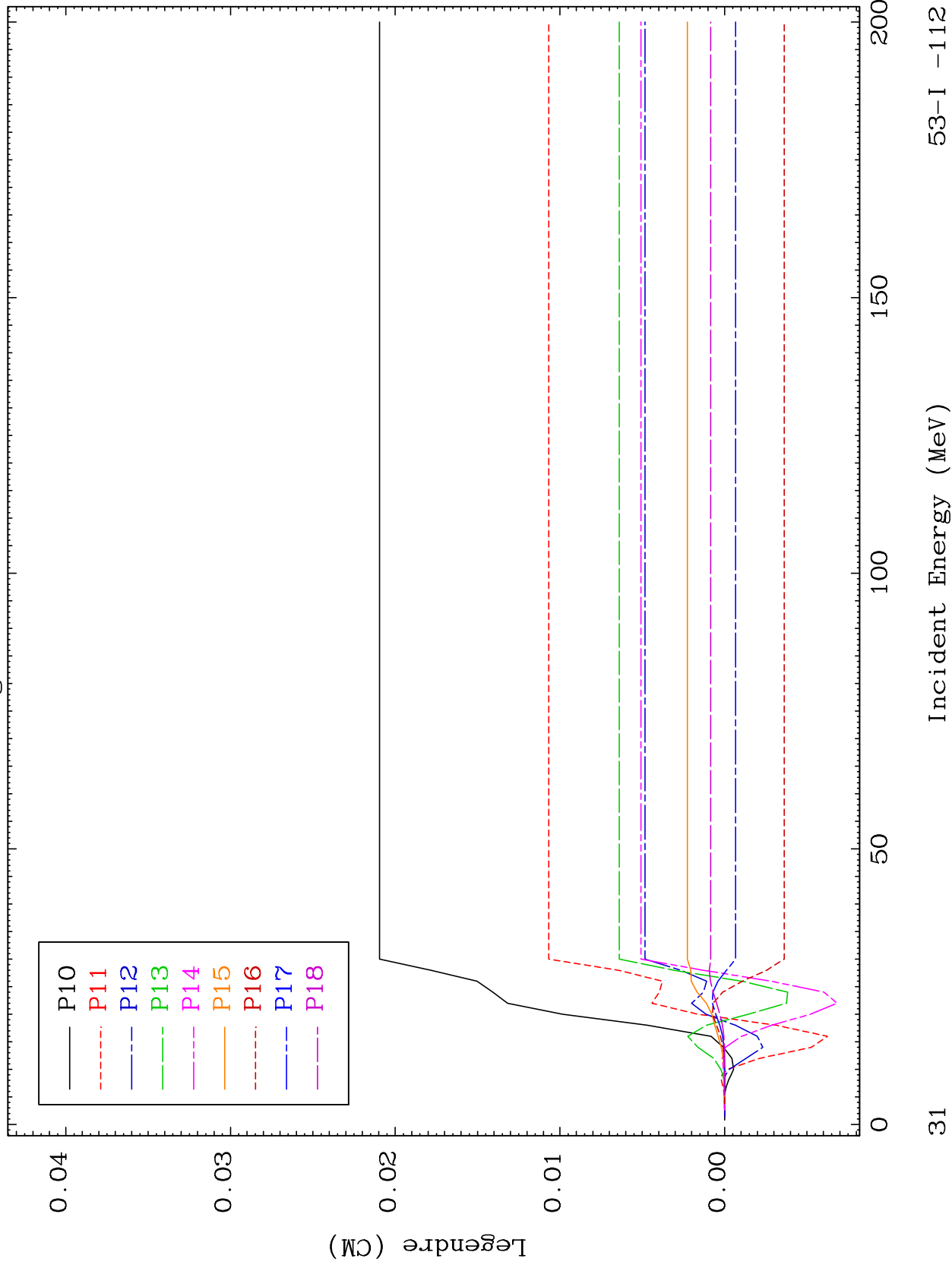
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Incident Energy (MeV)

MAT 5280

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

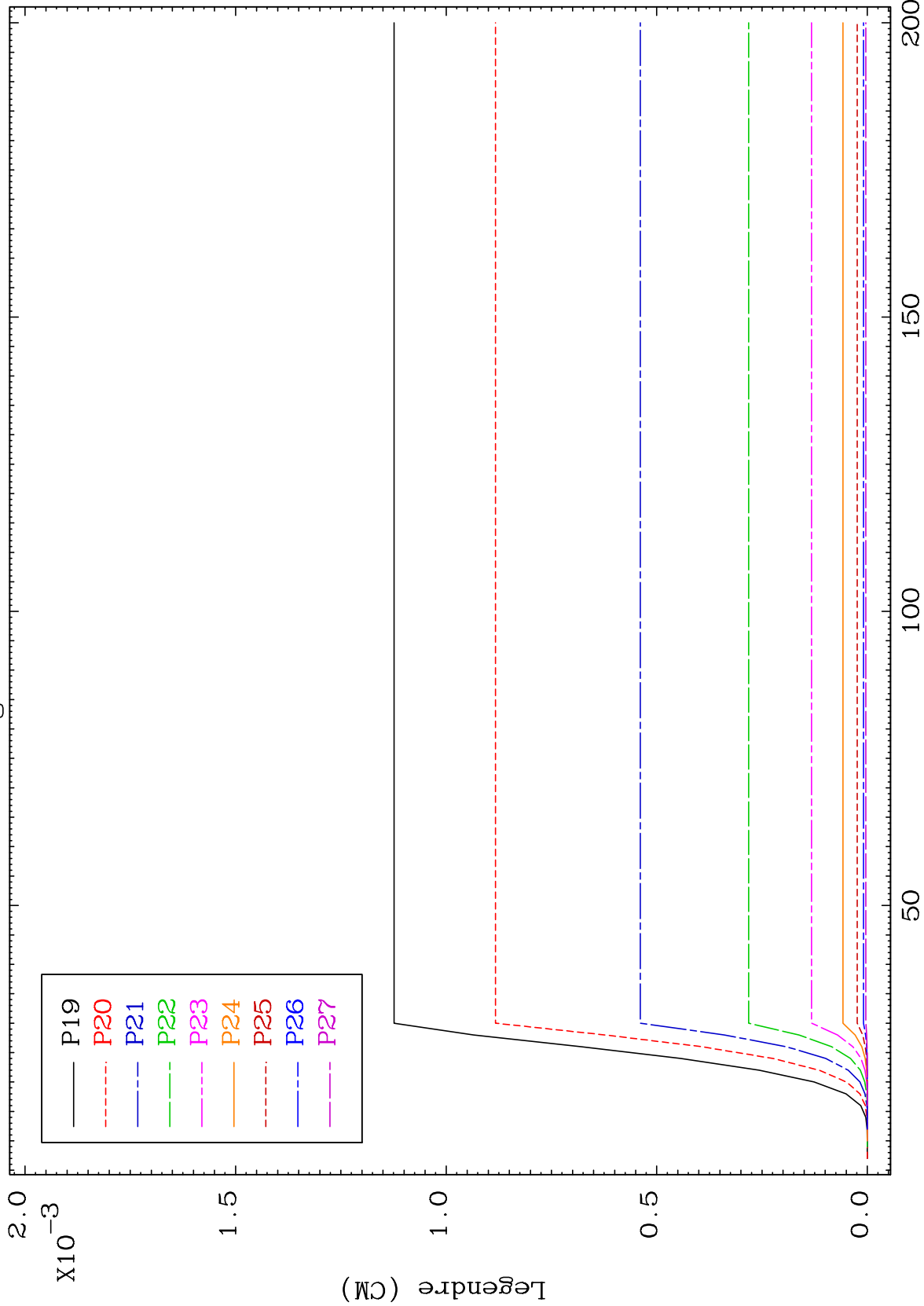
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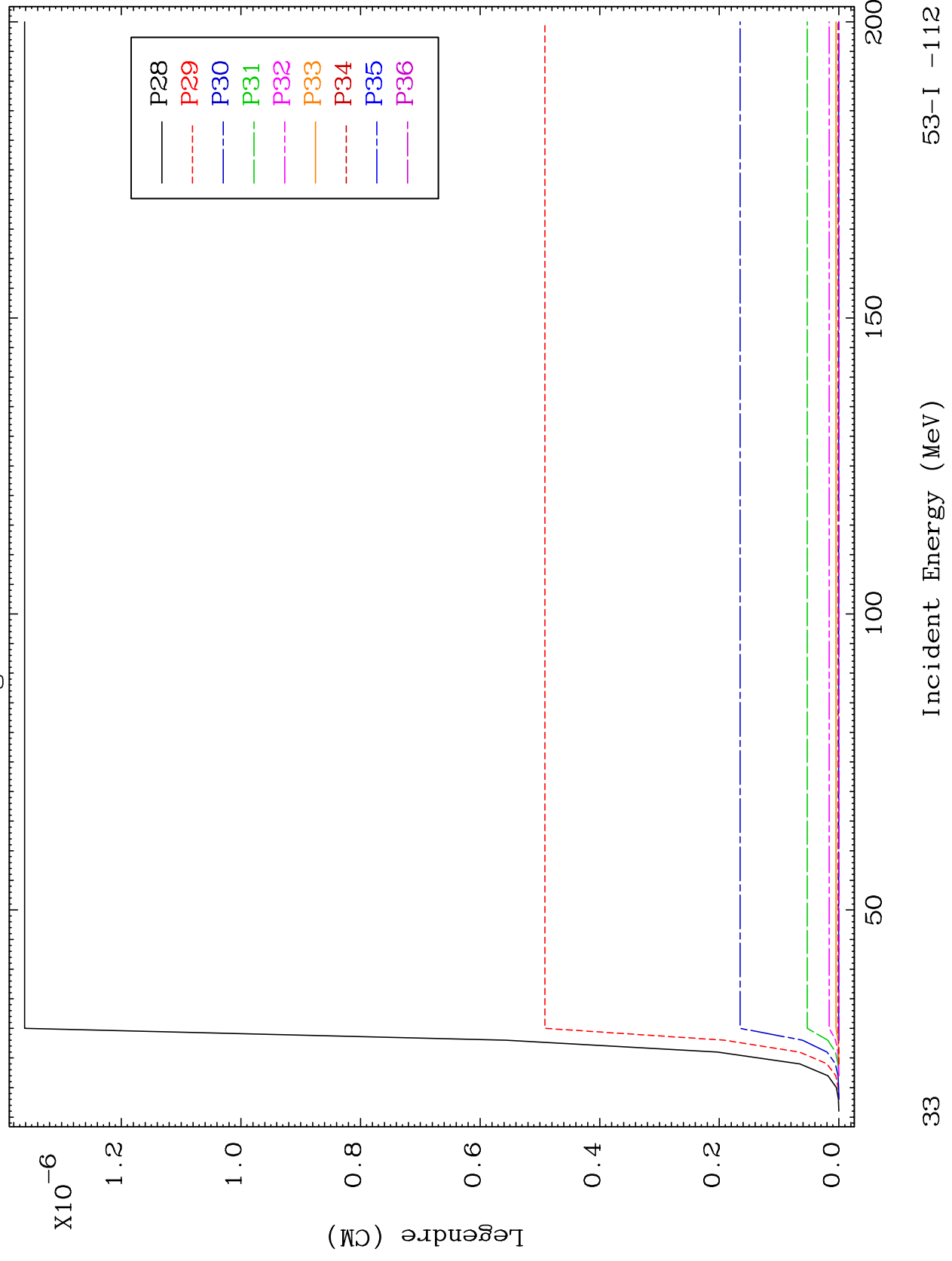


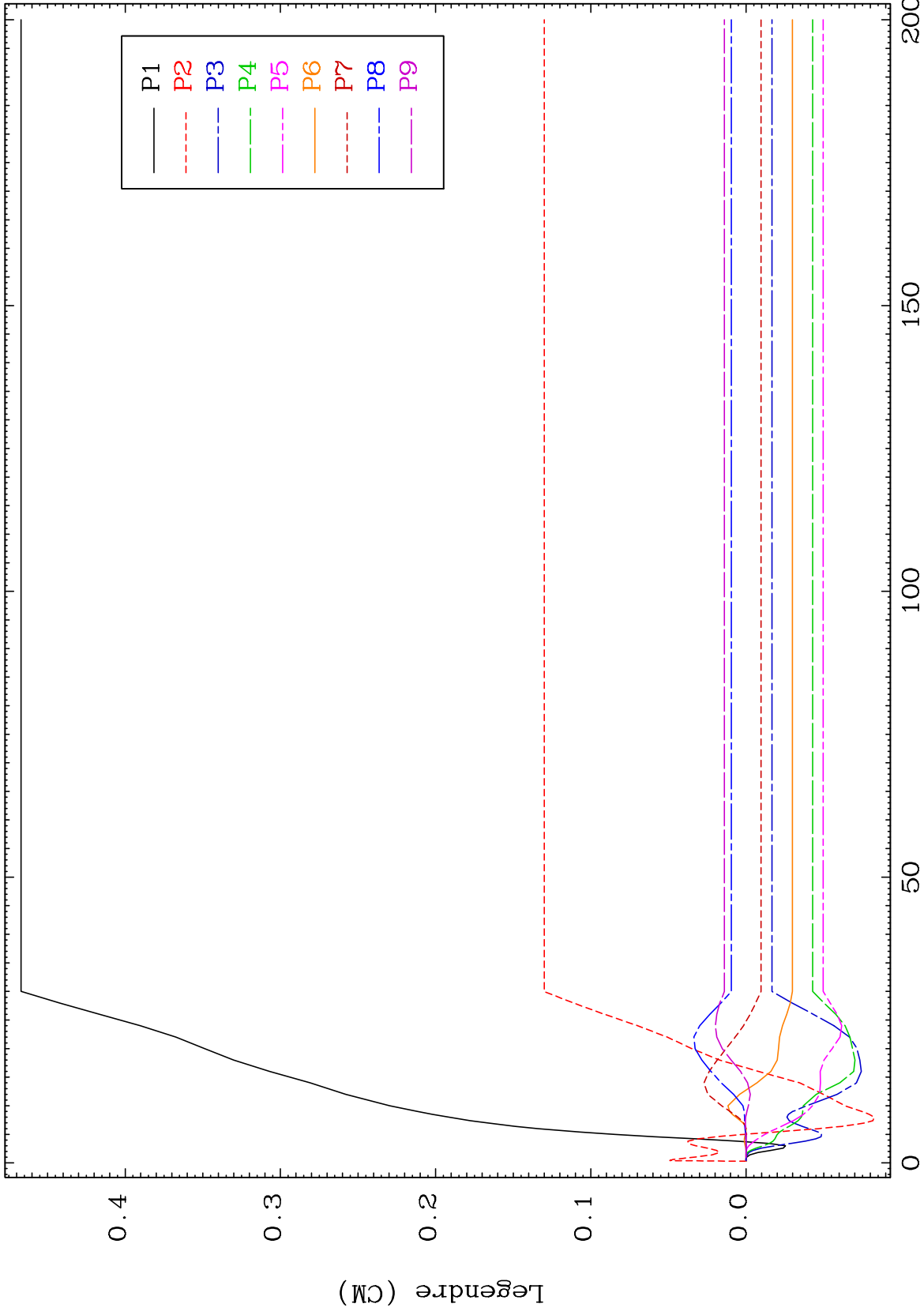
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Incident Energy (MeV)

53-I -112



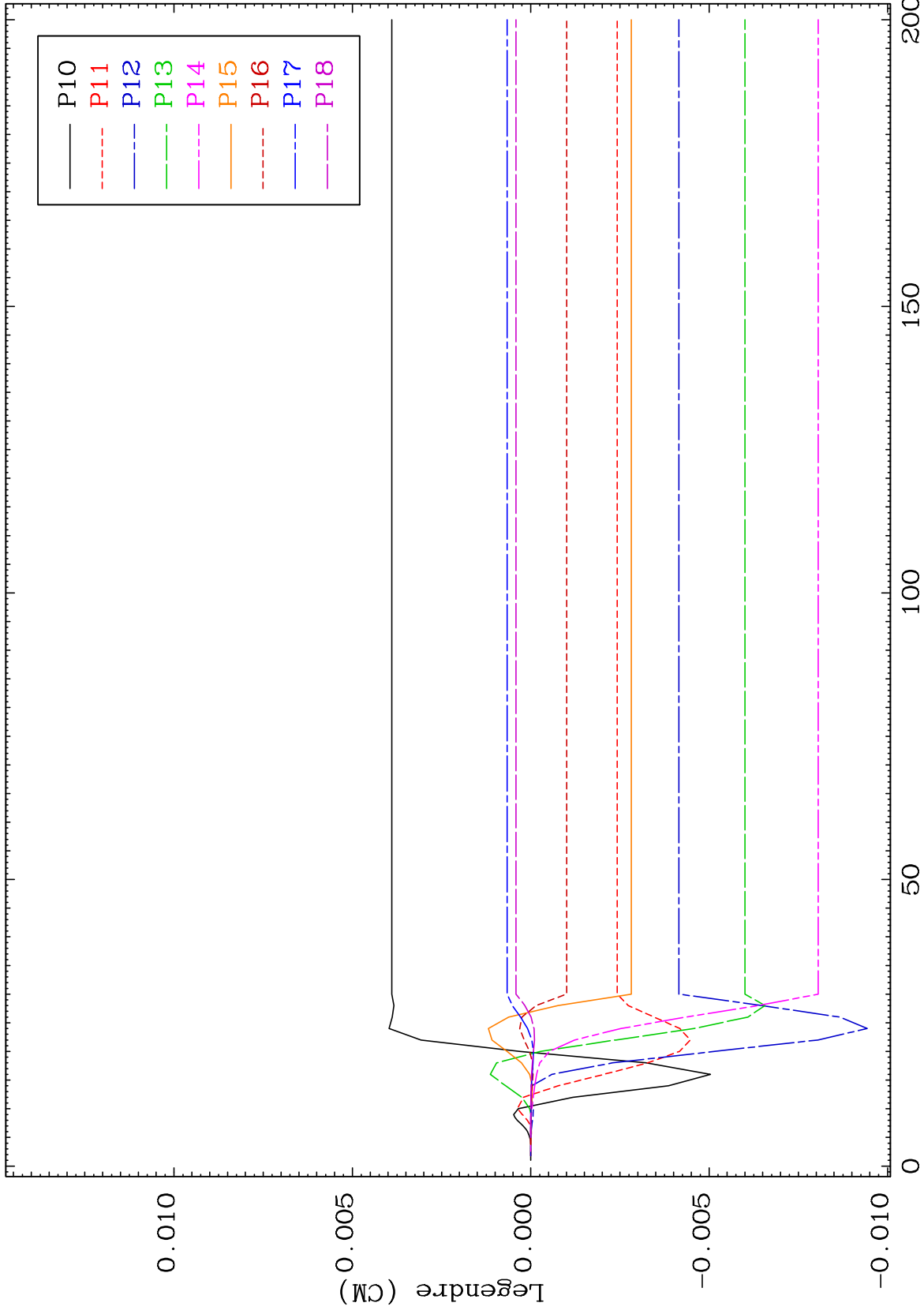




MAT 5280

MT= 55 (n,n') Level
Legendre Coefficients

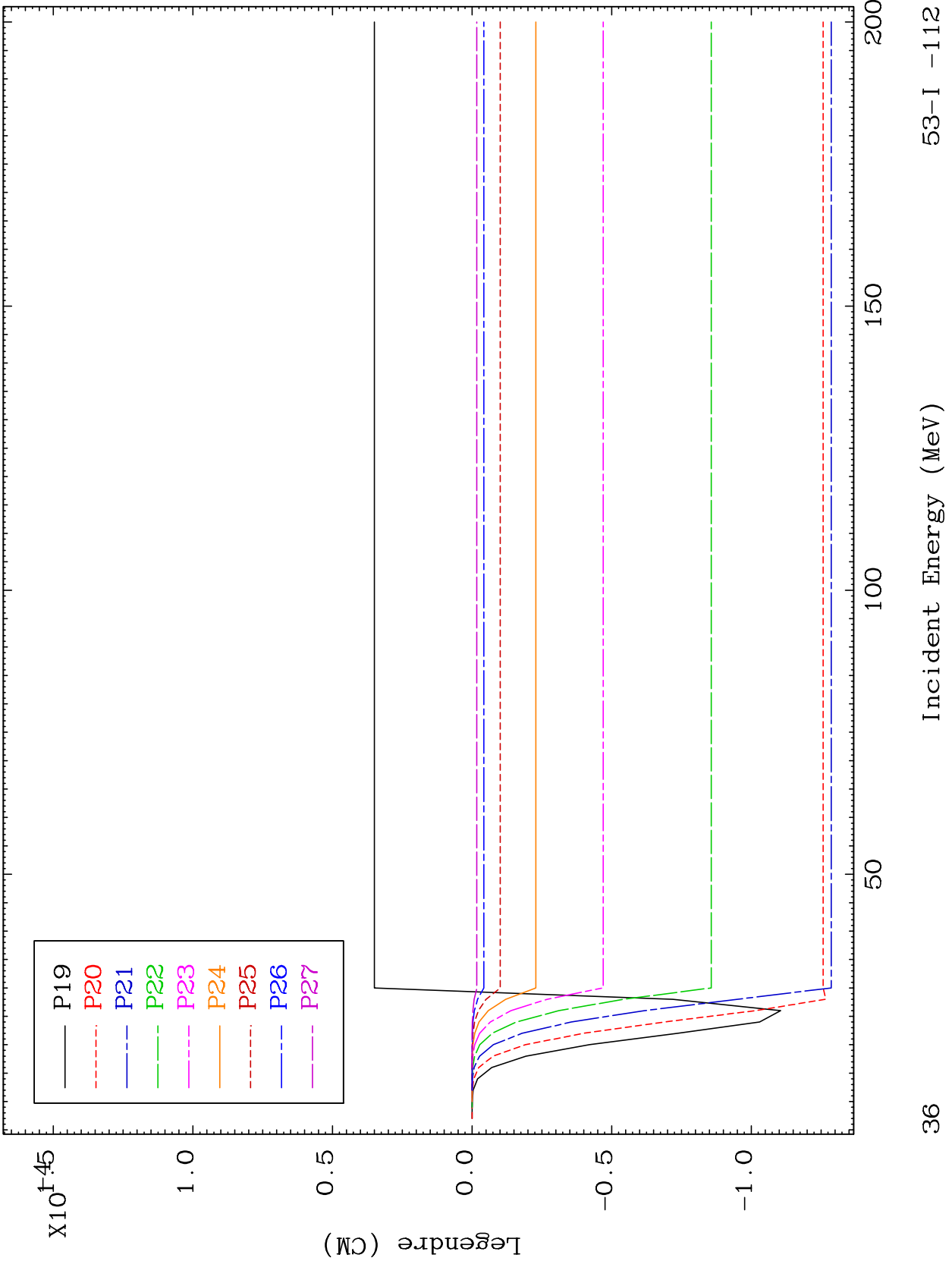
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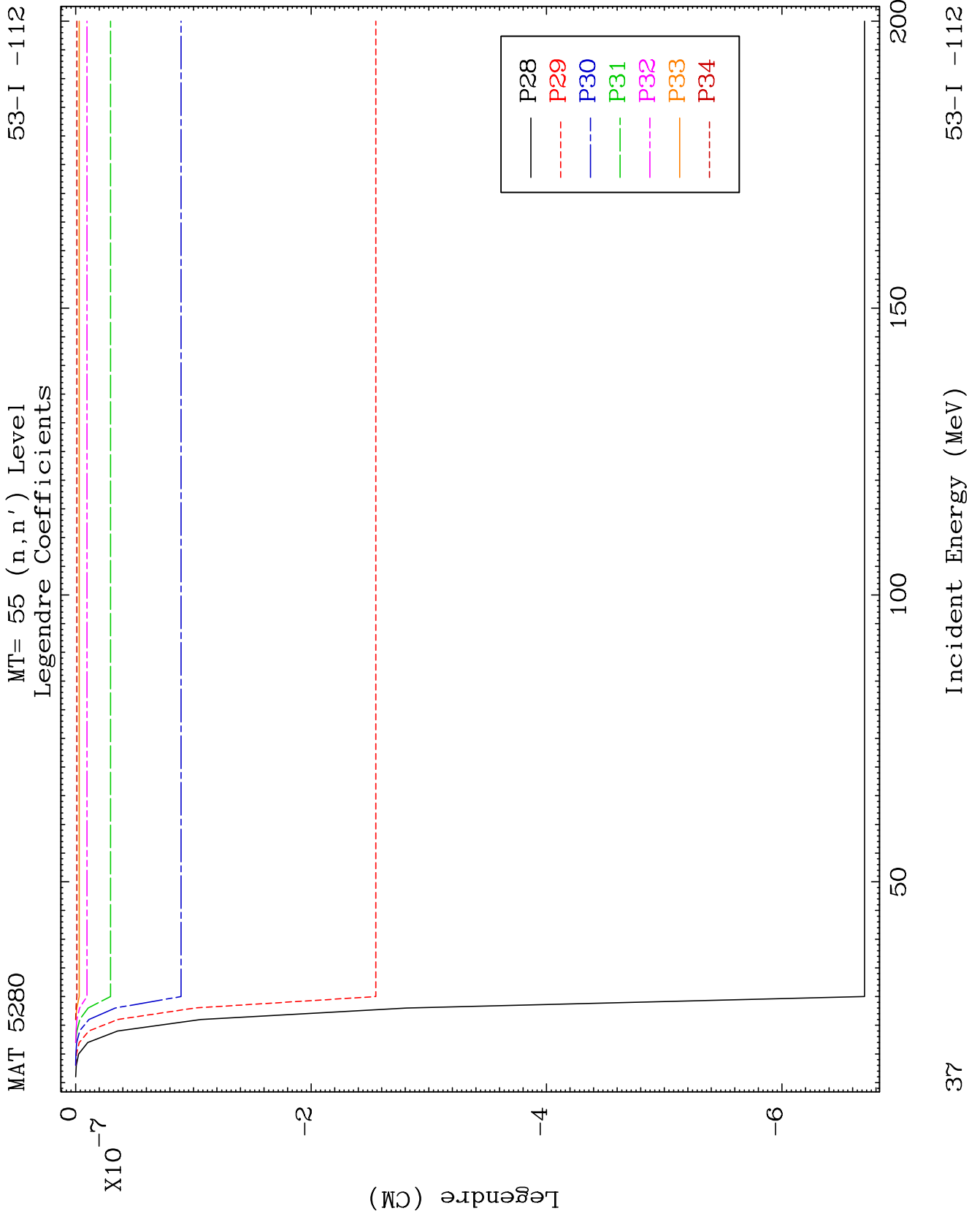


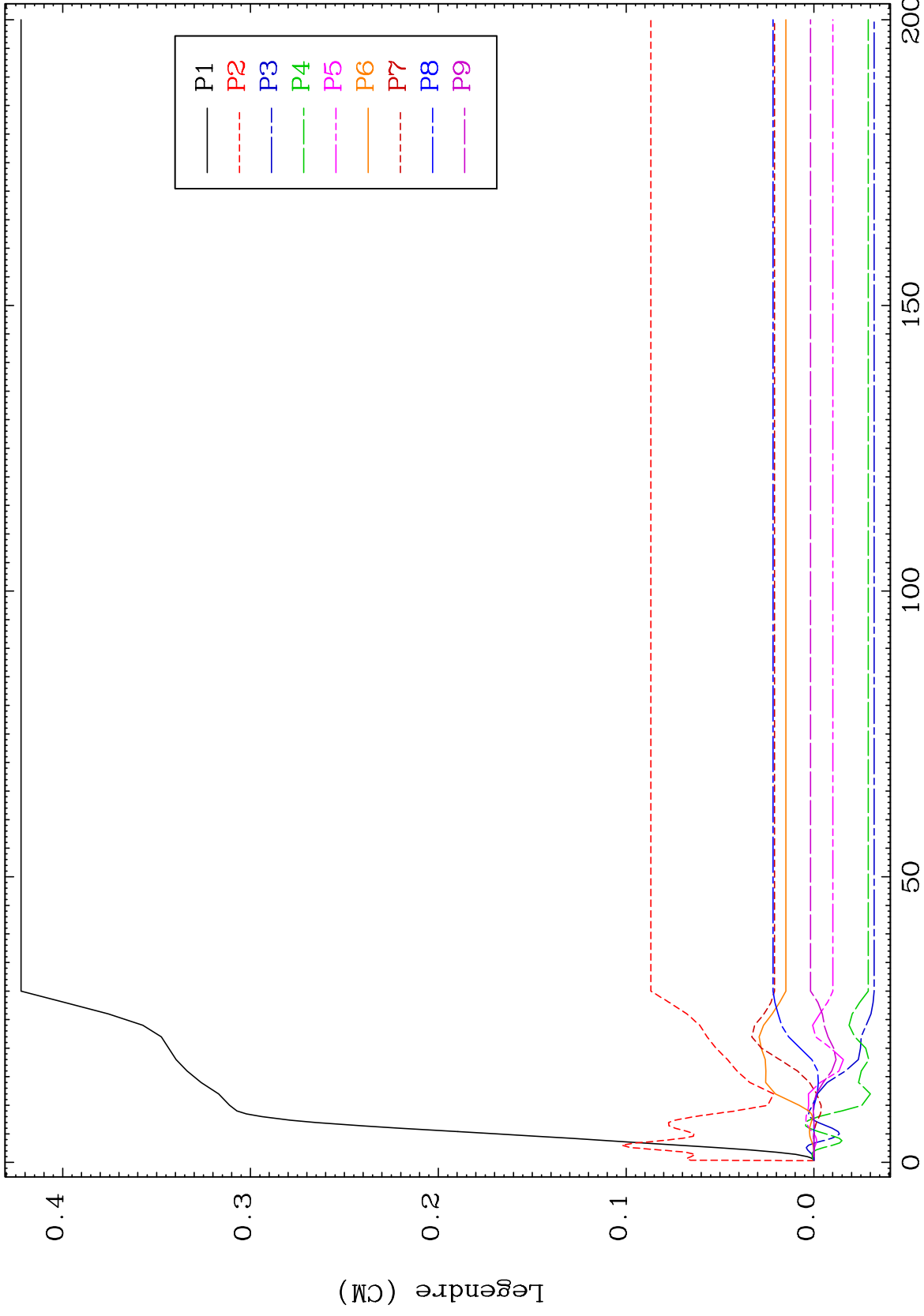
35

Incident Energy (MeV)

53-I -112



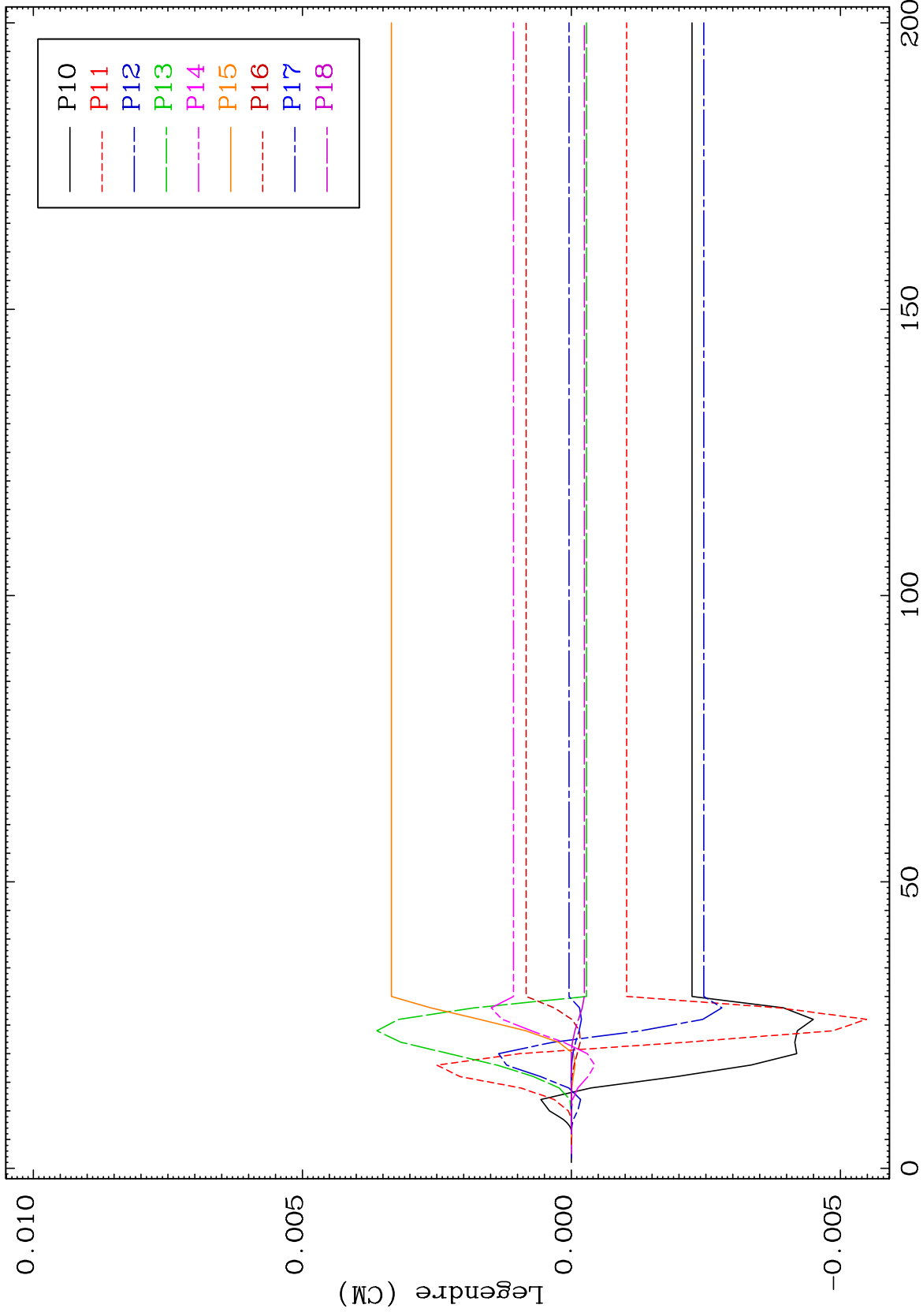




MAT 5280

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

53-I -112



39

Incident Energy (MeV)

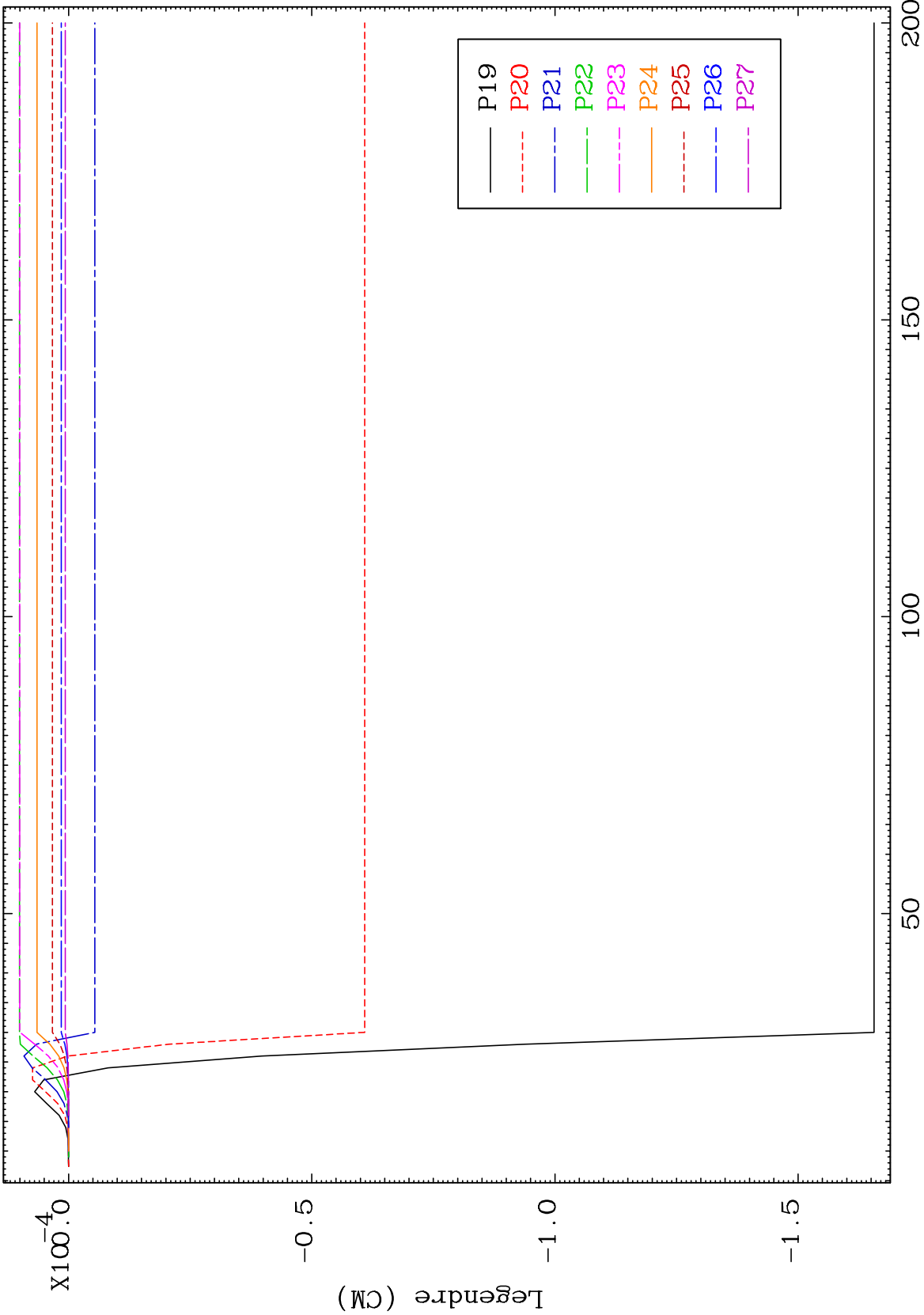
53-I -112

MAT 5280

MT= 56 (n,n') Level

53-I -112

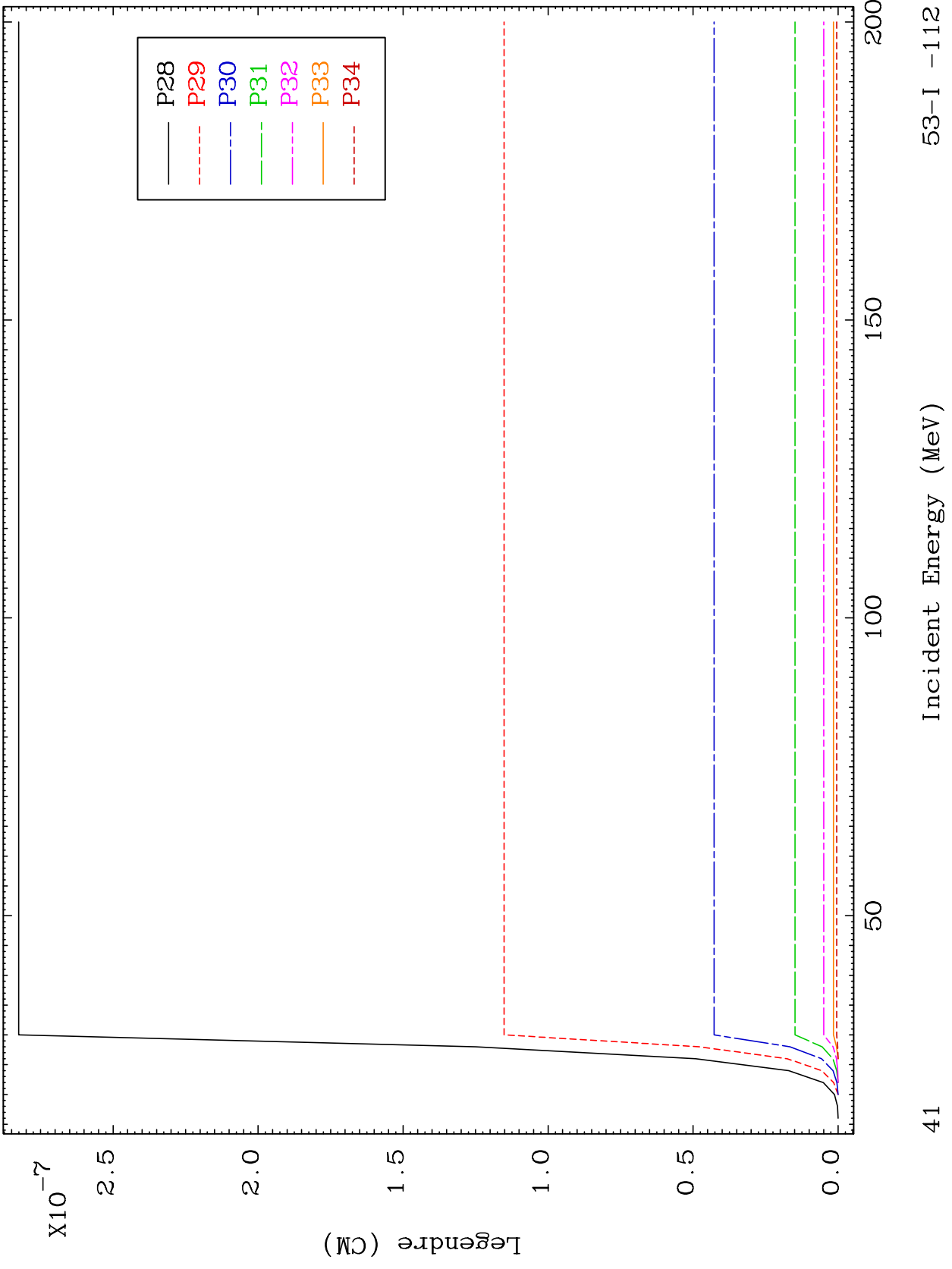
Legendre Coefficients



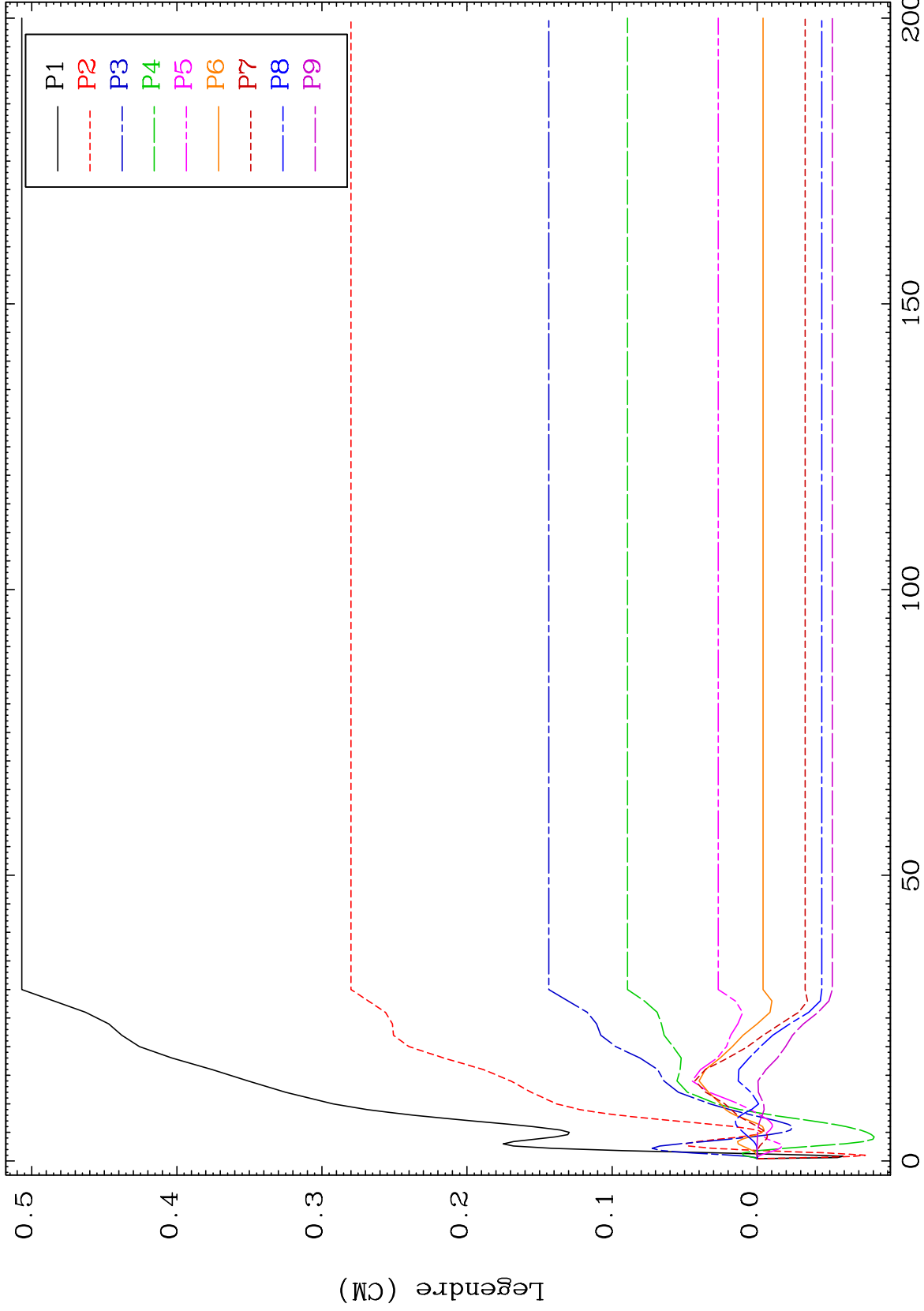
53-I -112

Incident Energy (MeV)

40



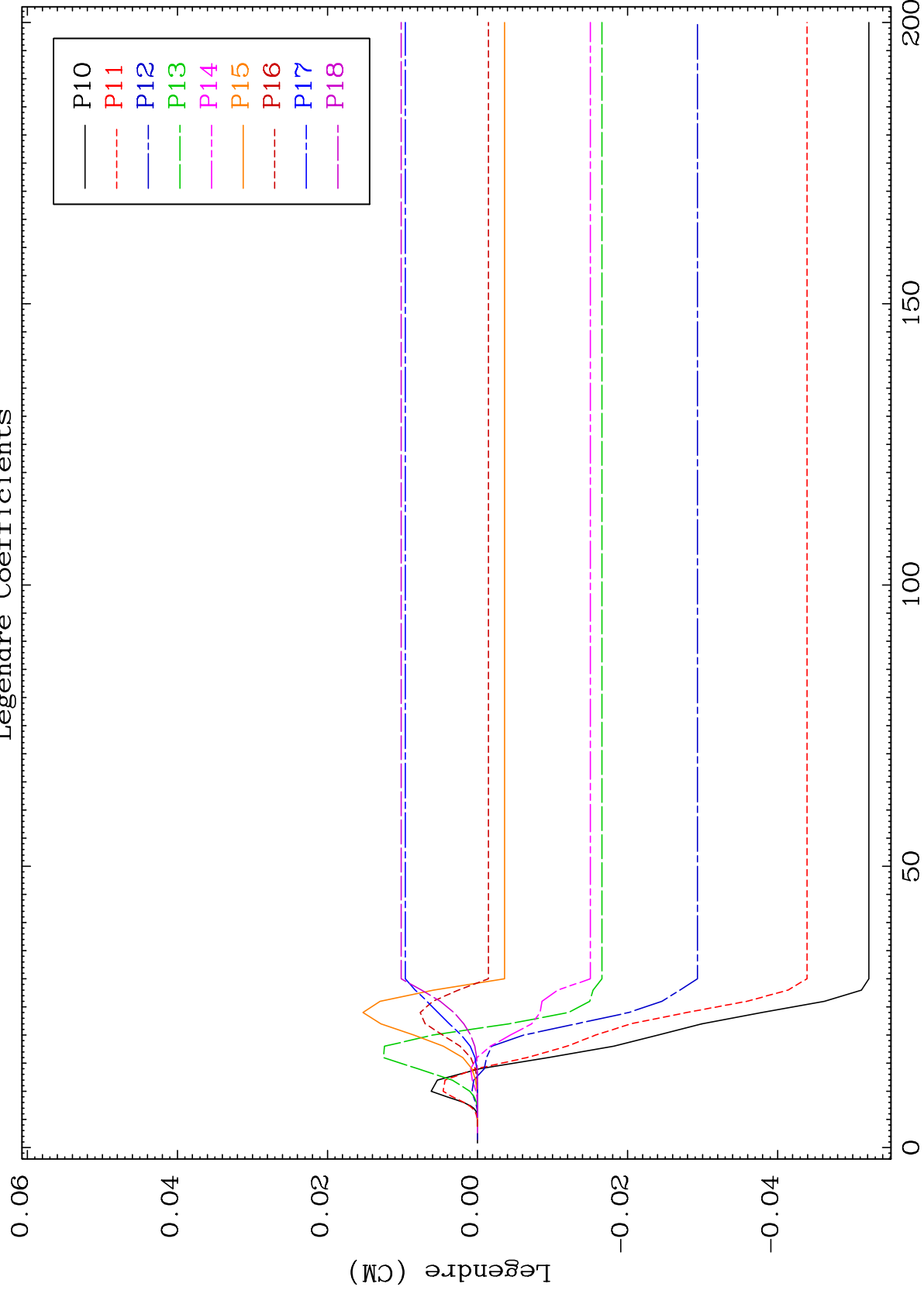
Legendre Coefficients



MAT 5280

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

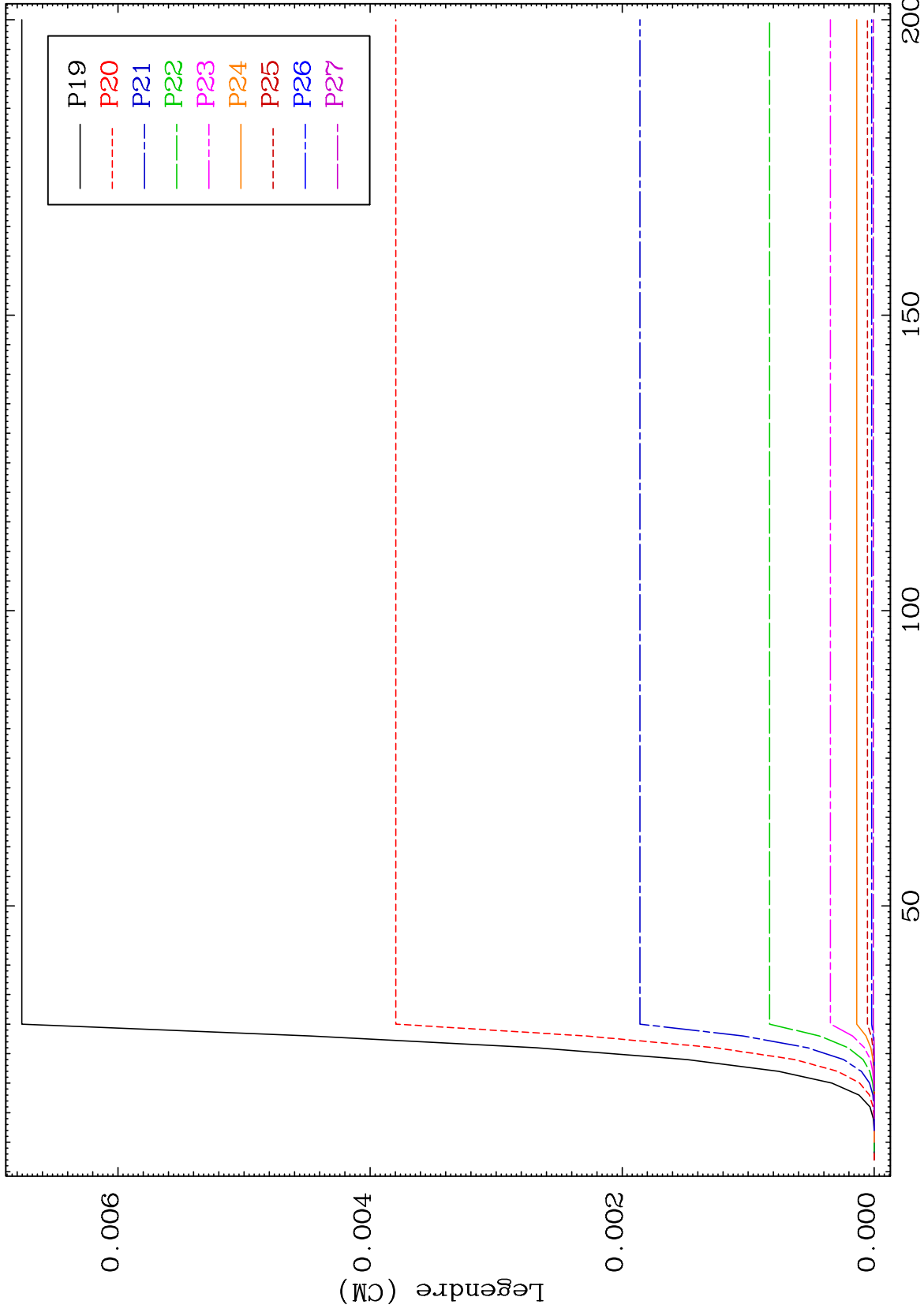
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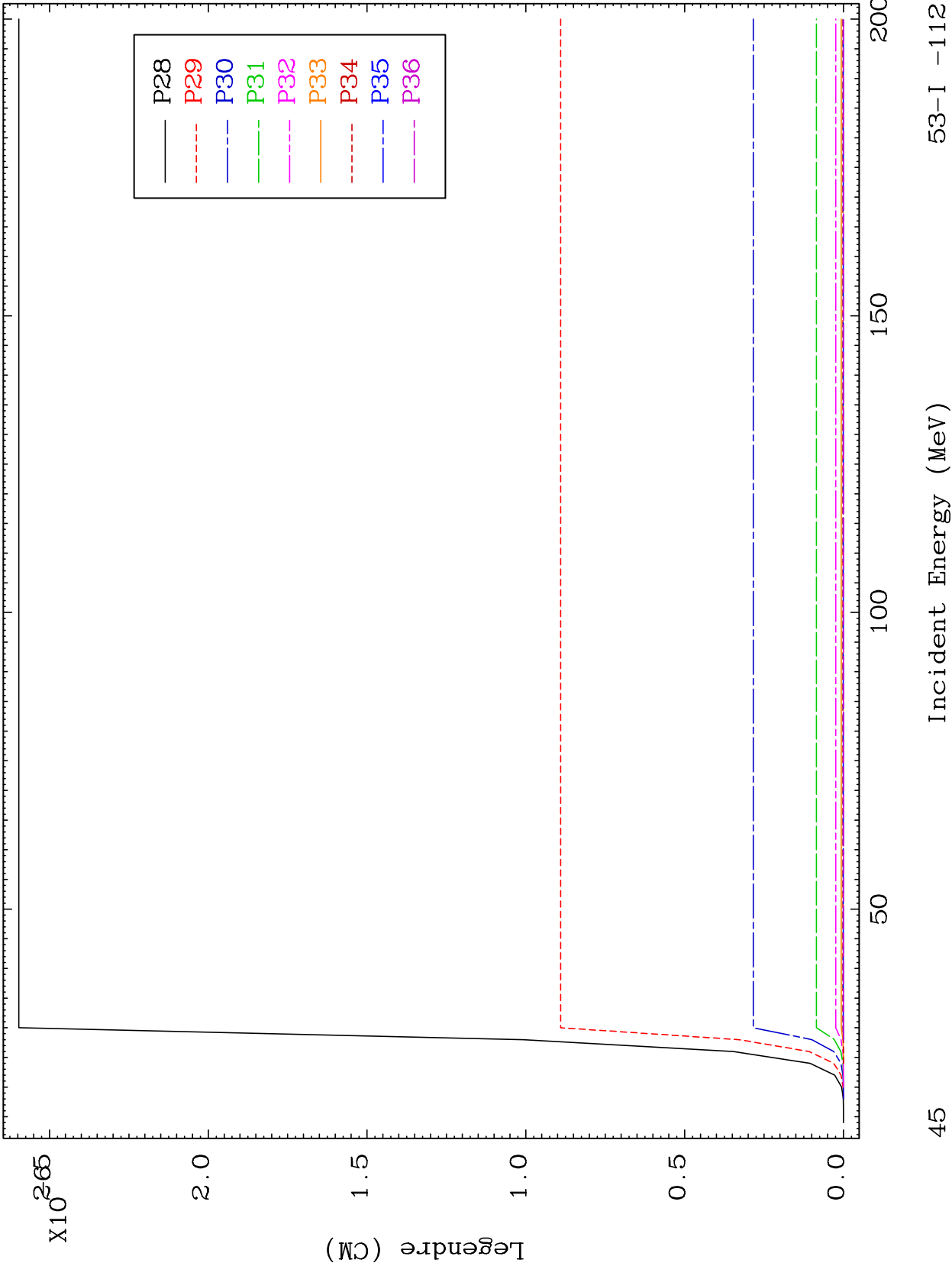


43

Incident Energy (MeV)

53-I -112

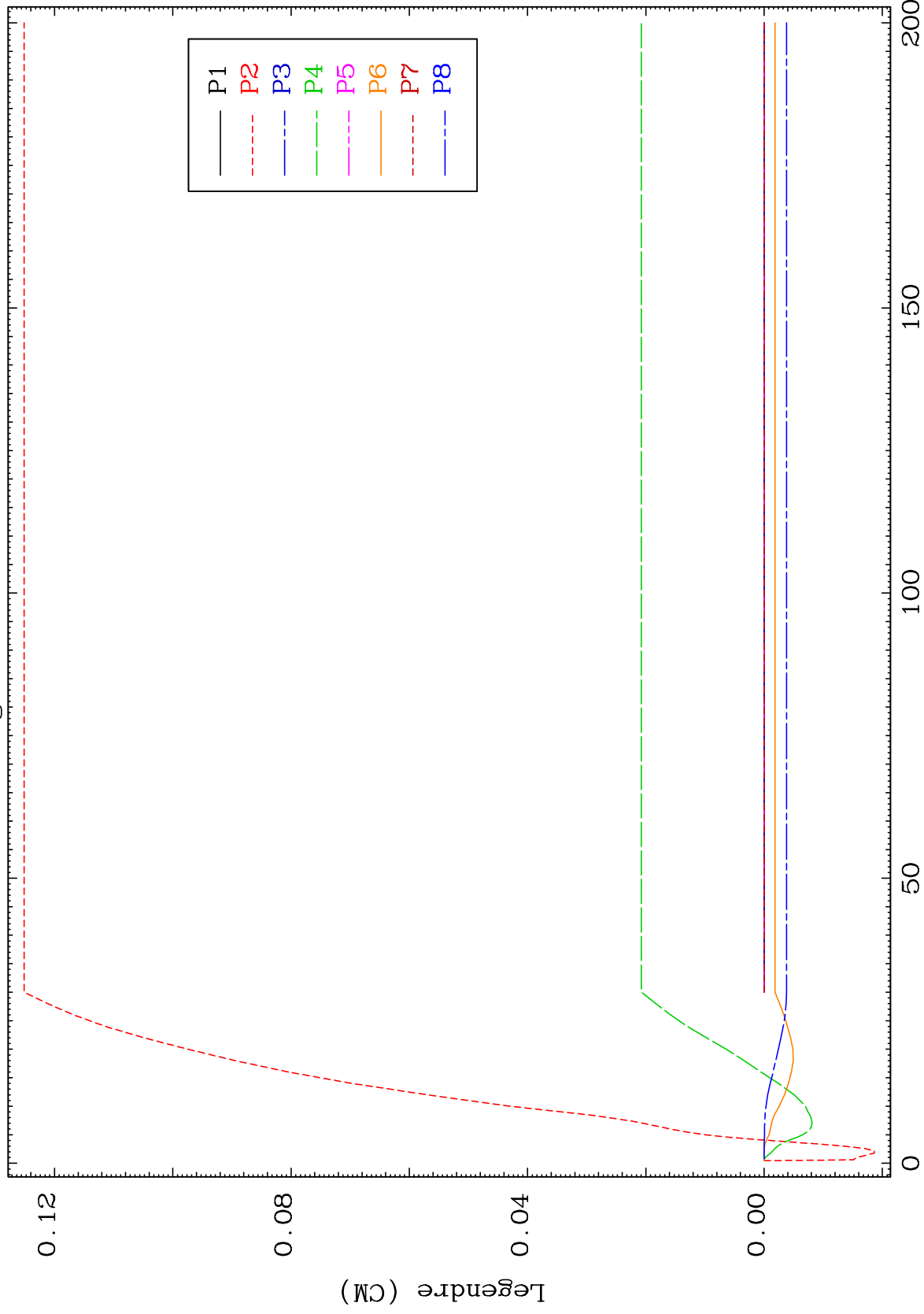




MAT 5280

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

53-I -112



46

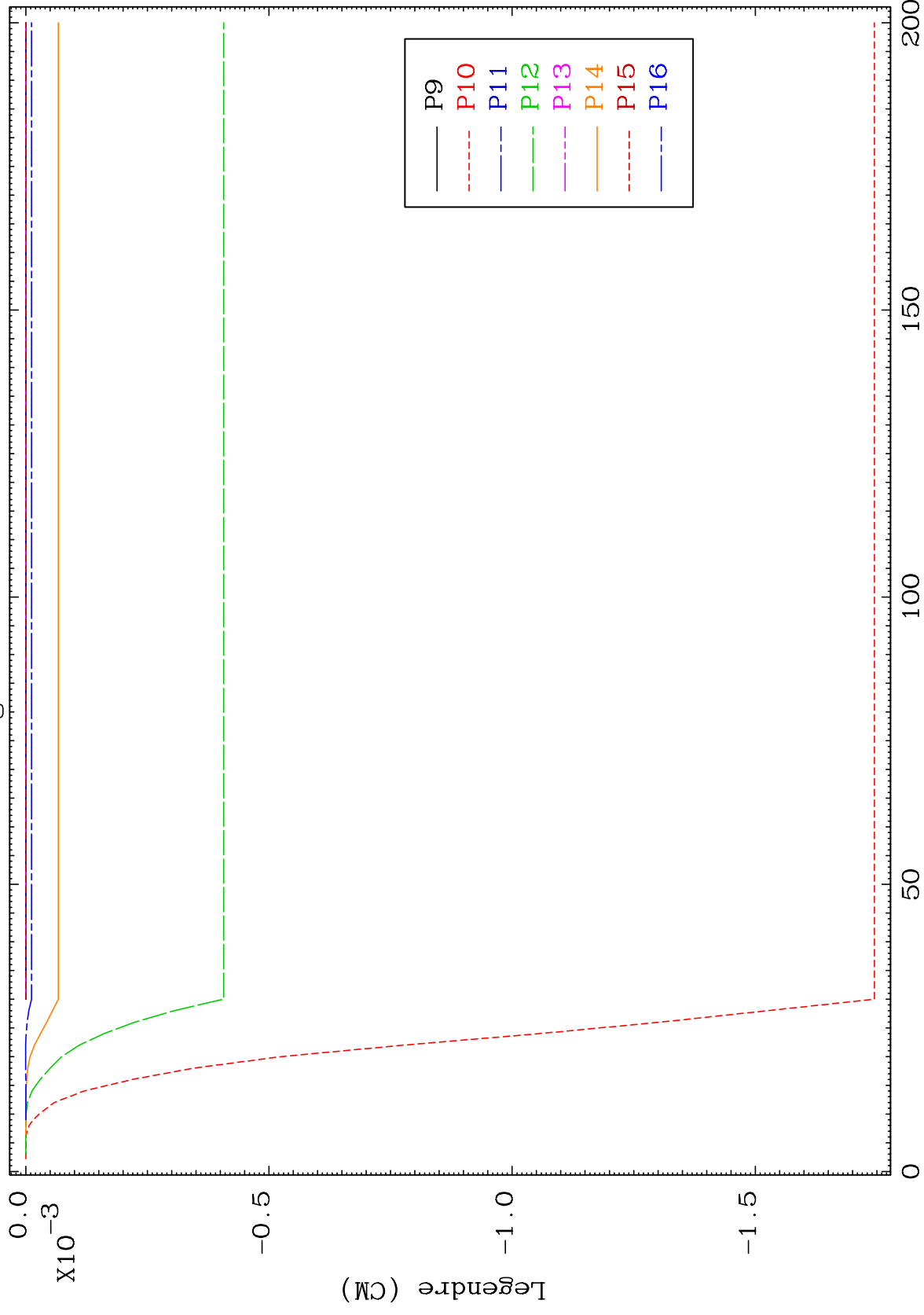
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



47

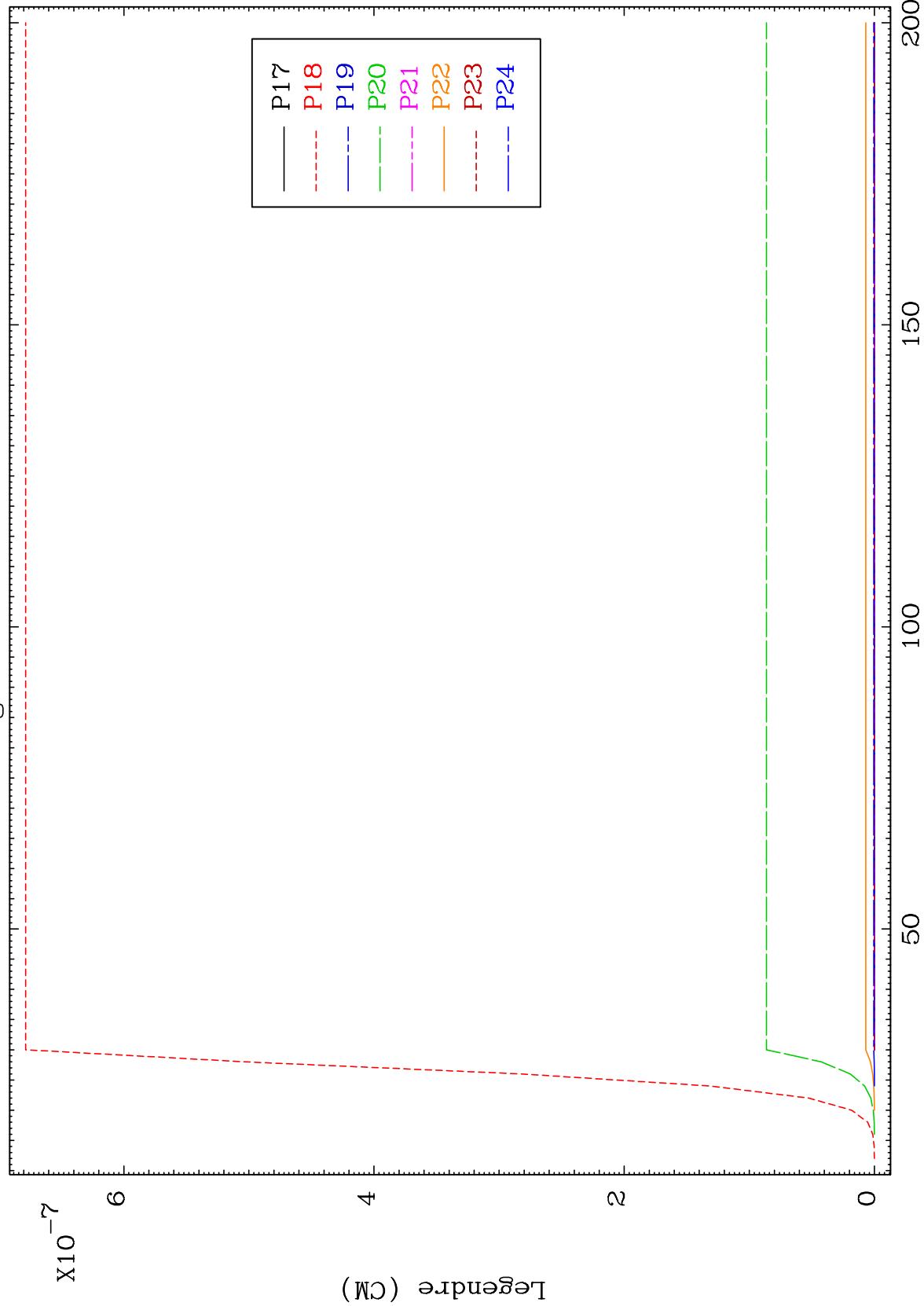
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



48

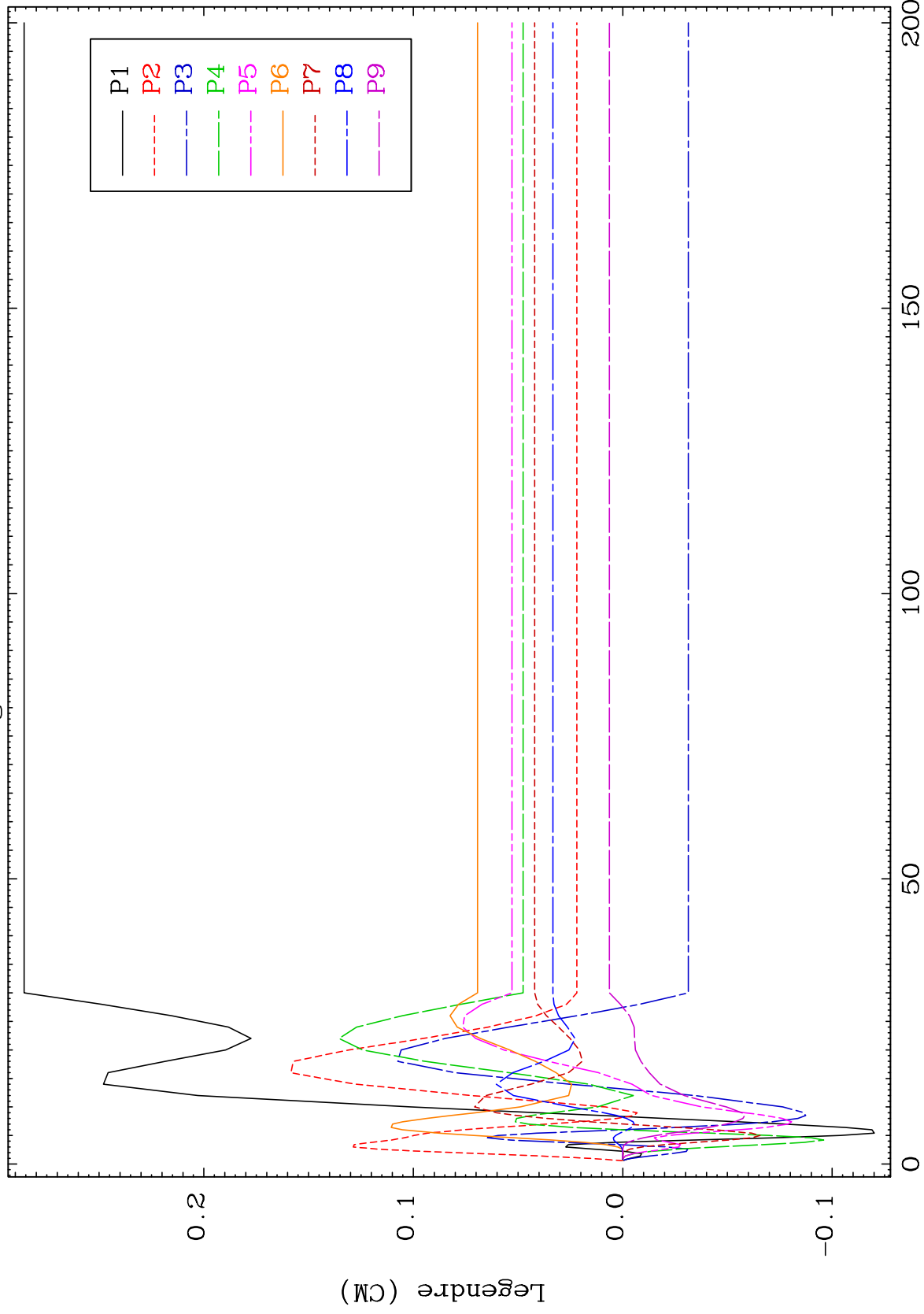
Incident Energy (MeV)

53-I -112

MAT 5280

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

53-I -112



49

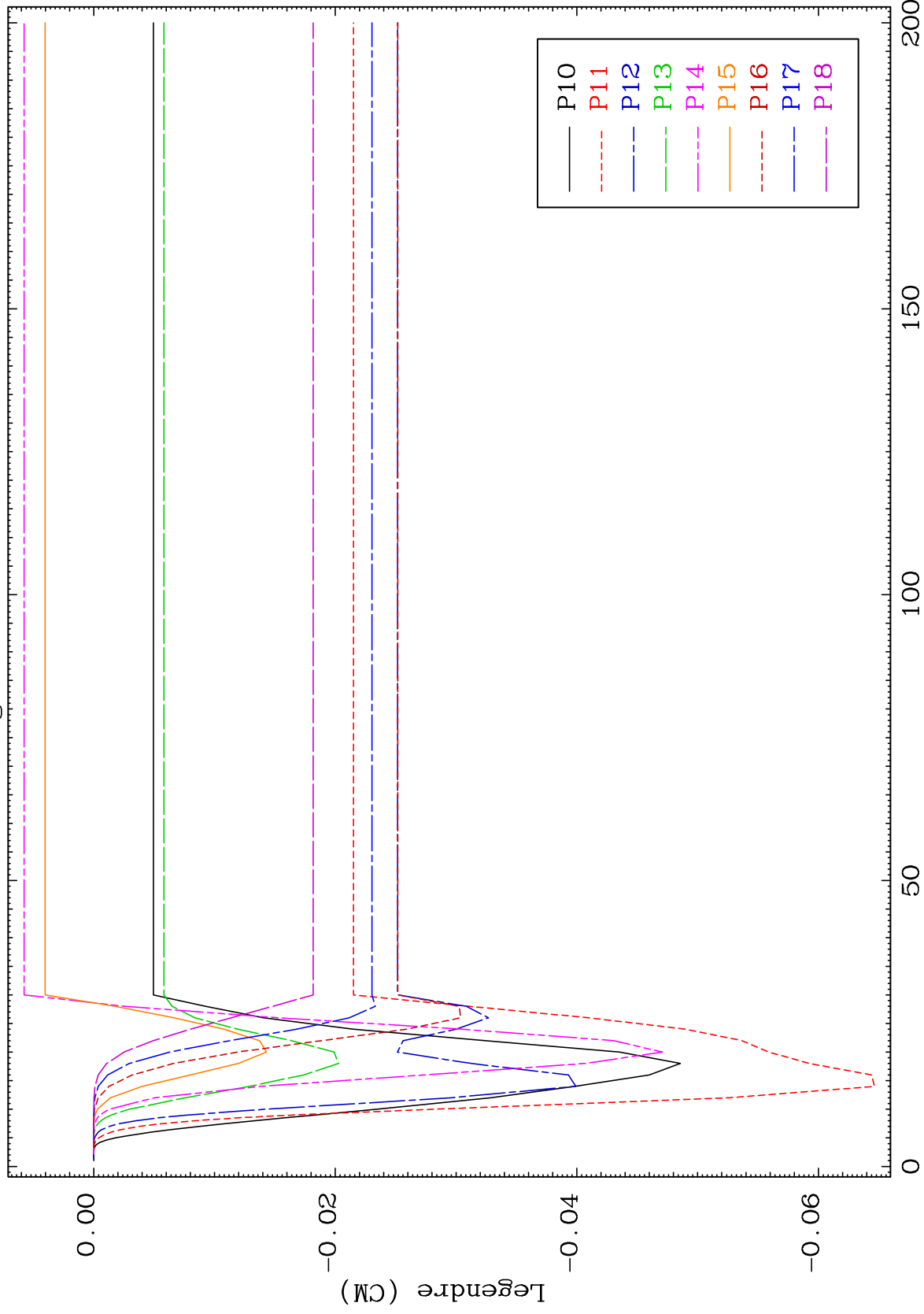
Incident Energy (MeV)

53-I -112

MAT 5280

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

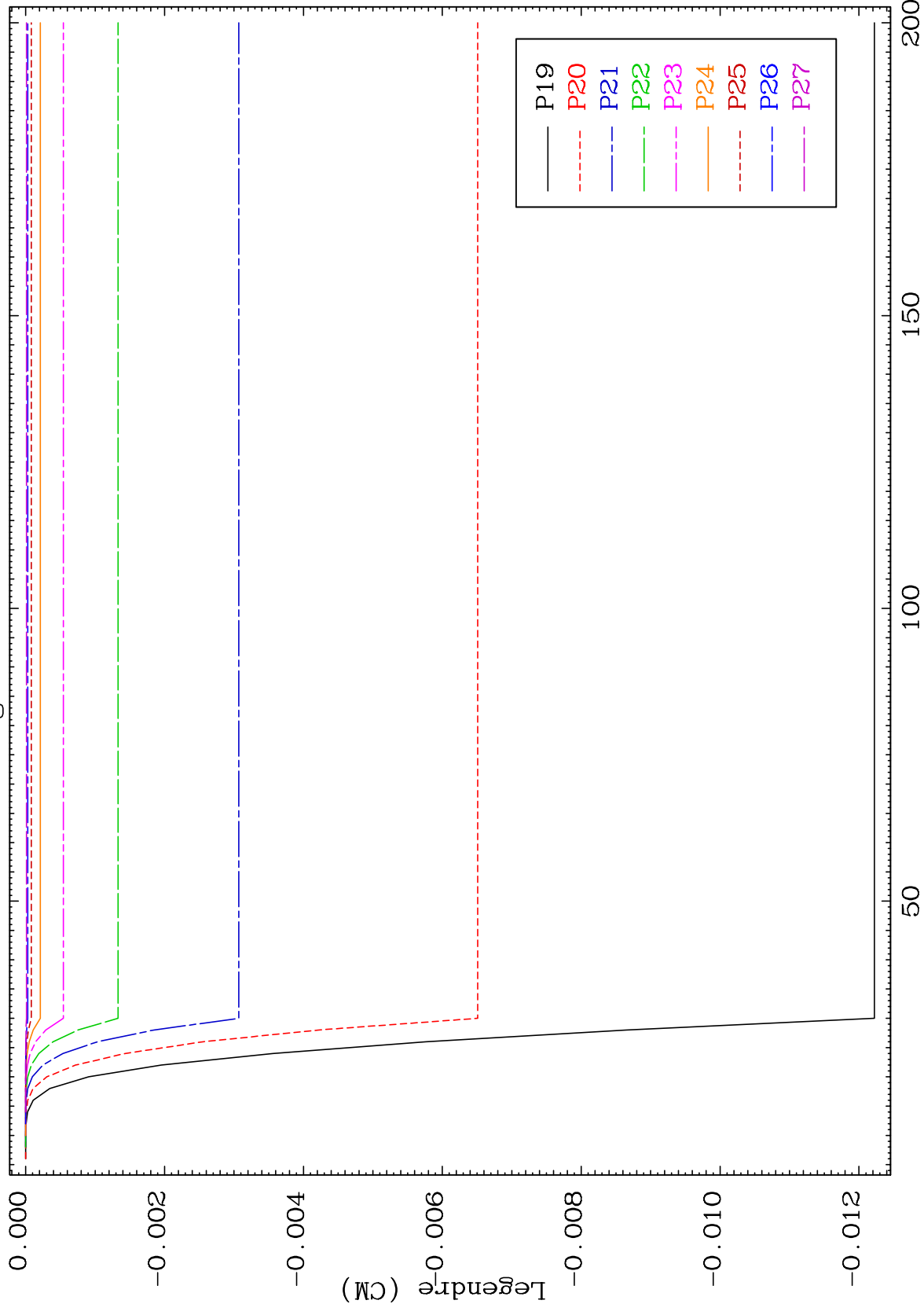
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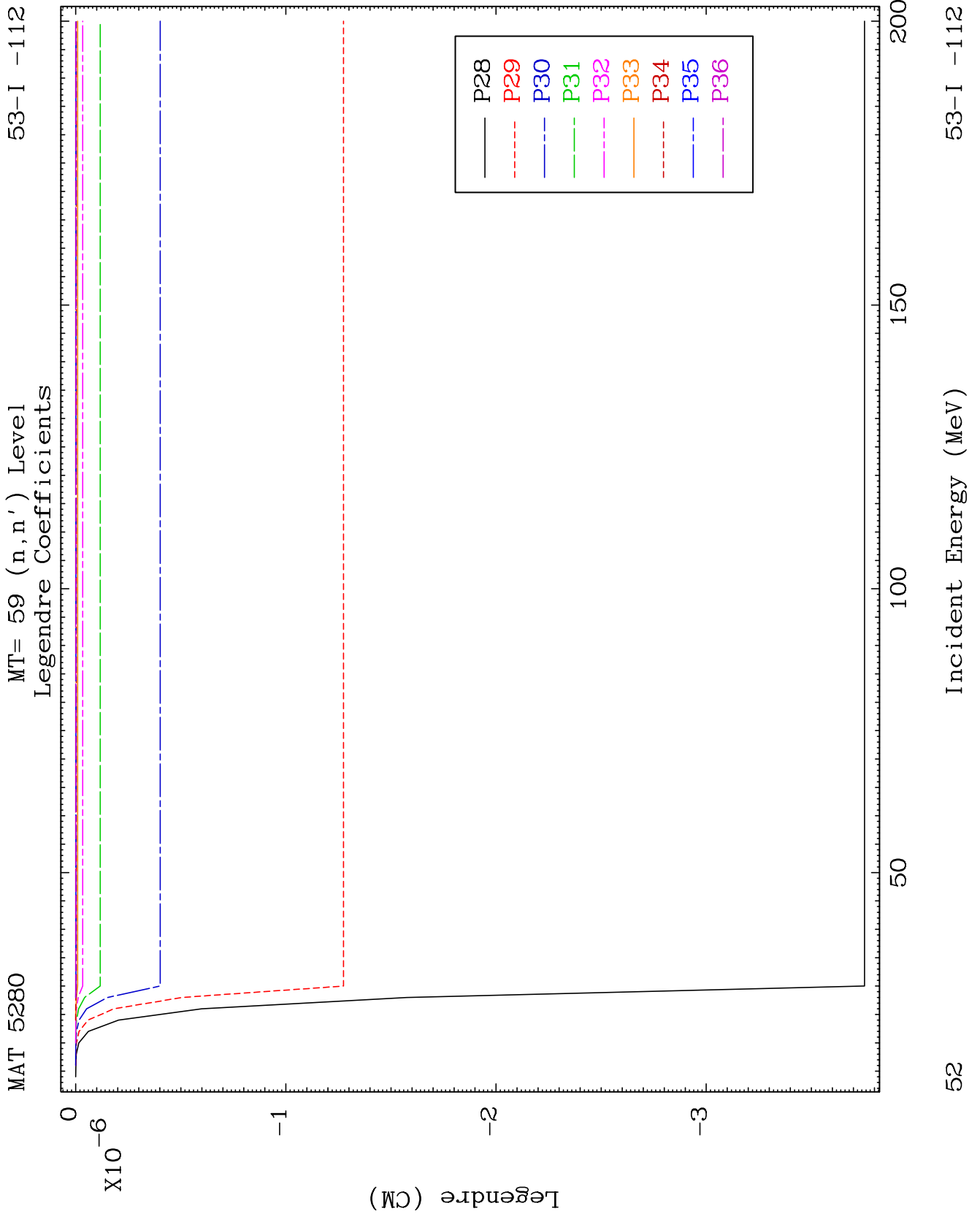


53-I -112

Incident Energy (MeV)

50

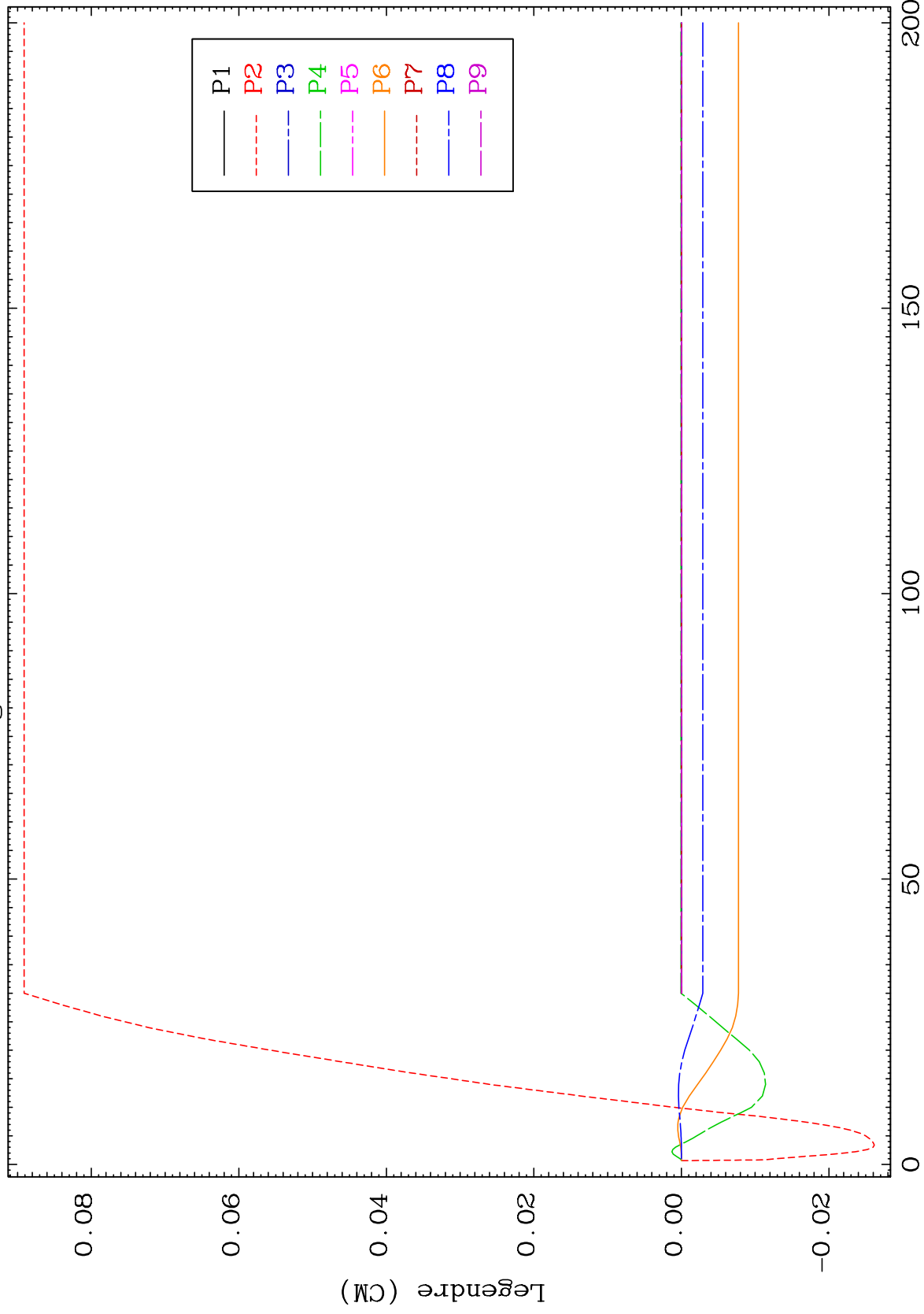




MAT 5280

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

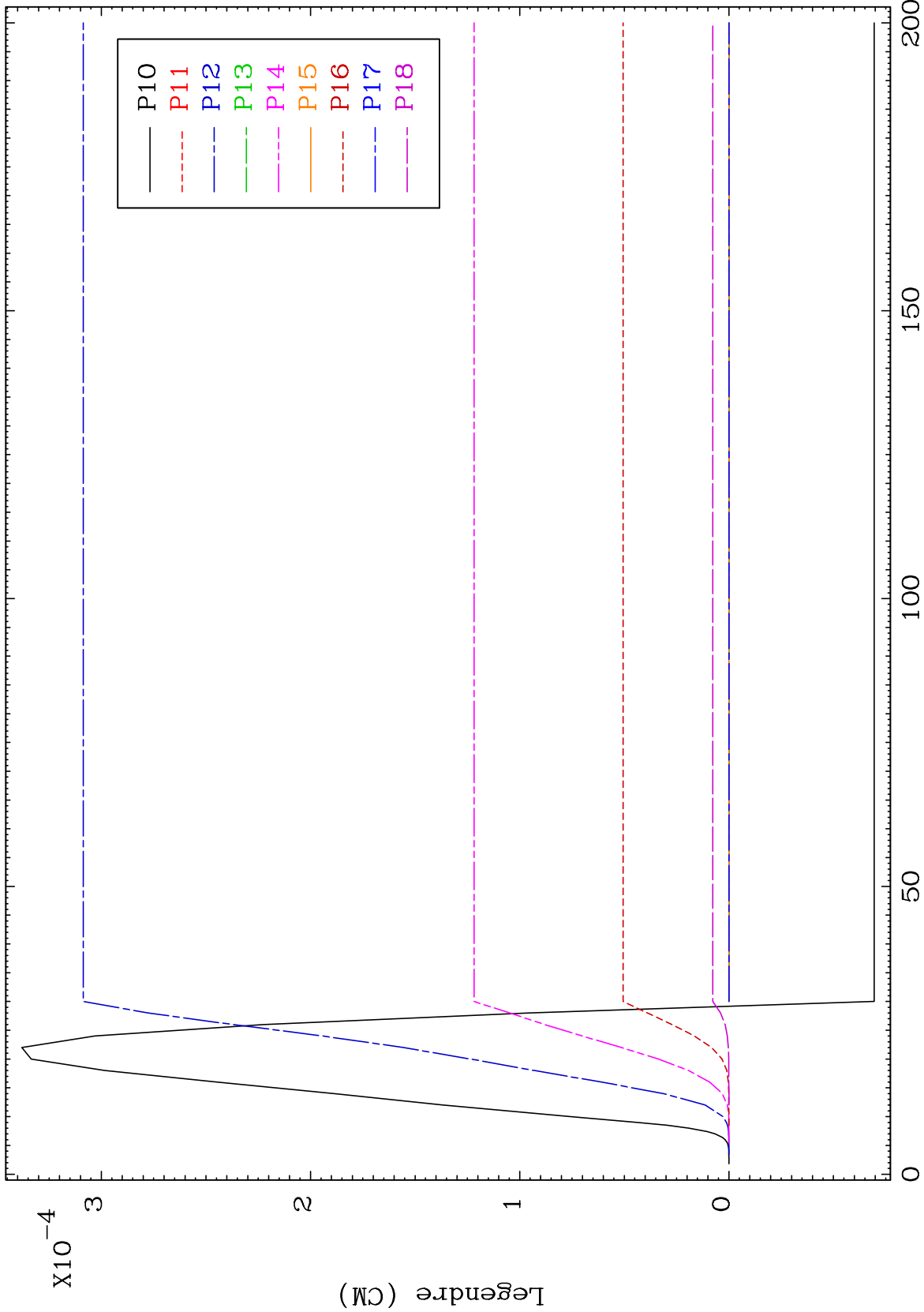
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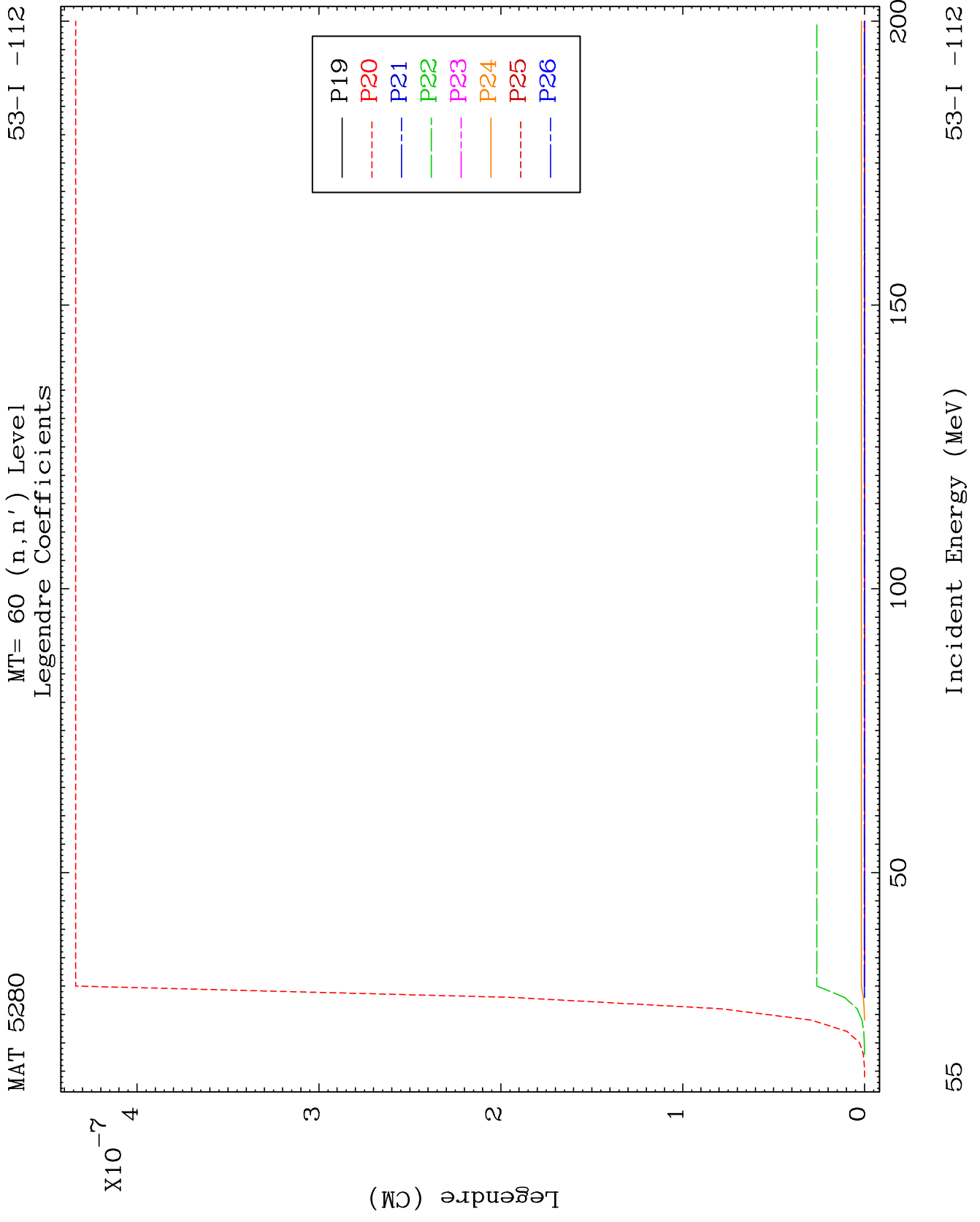


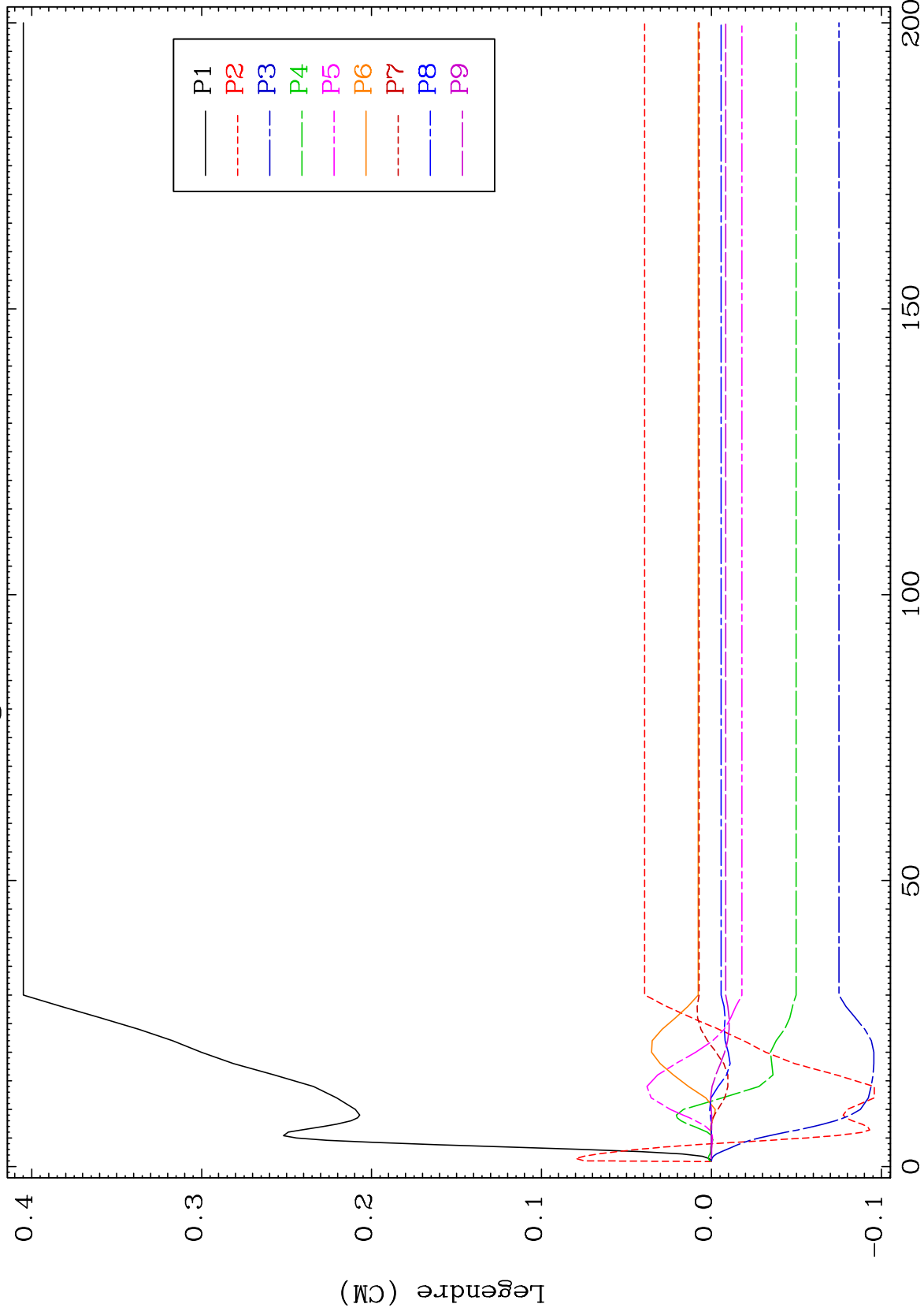
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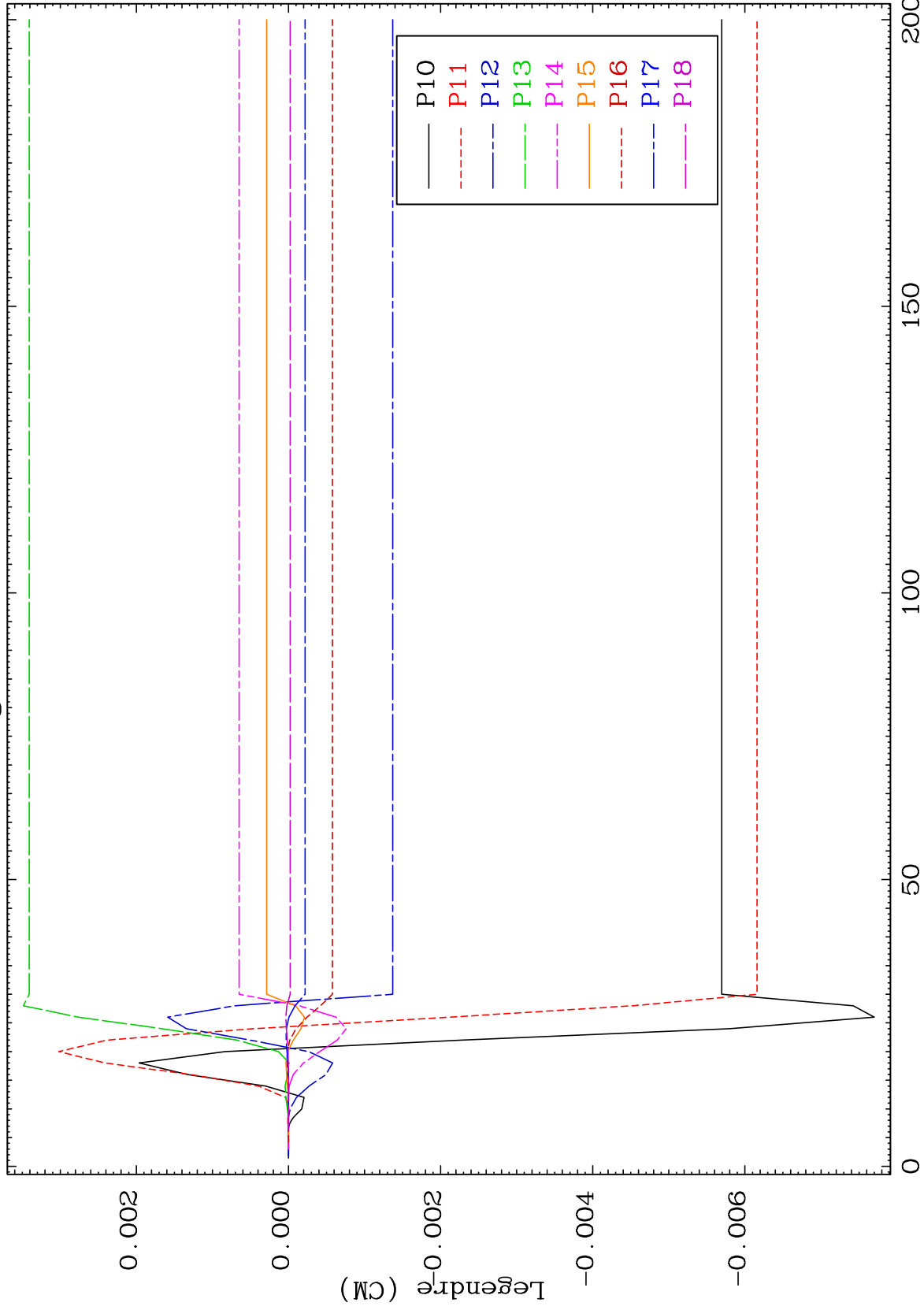
Incident Energy (MeV)

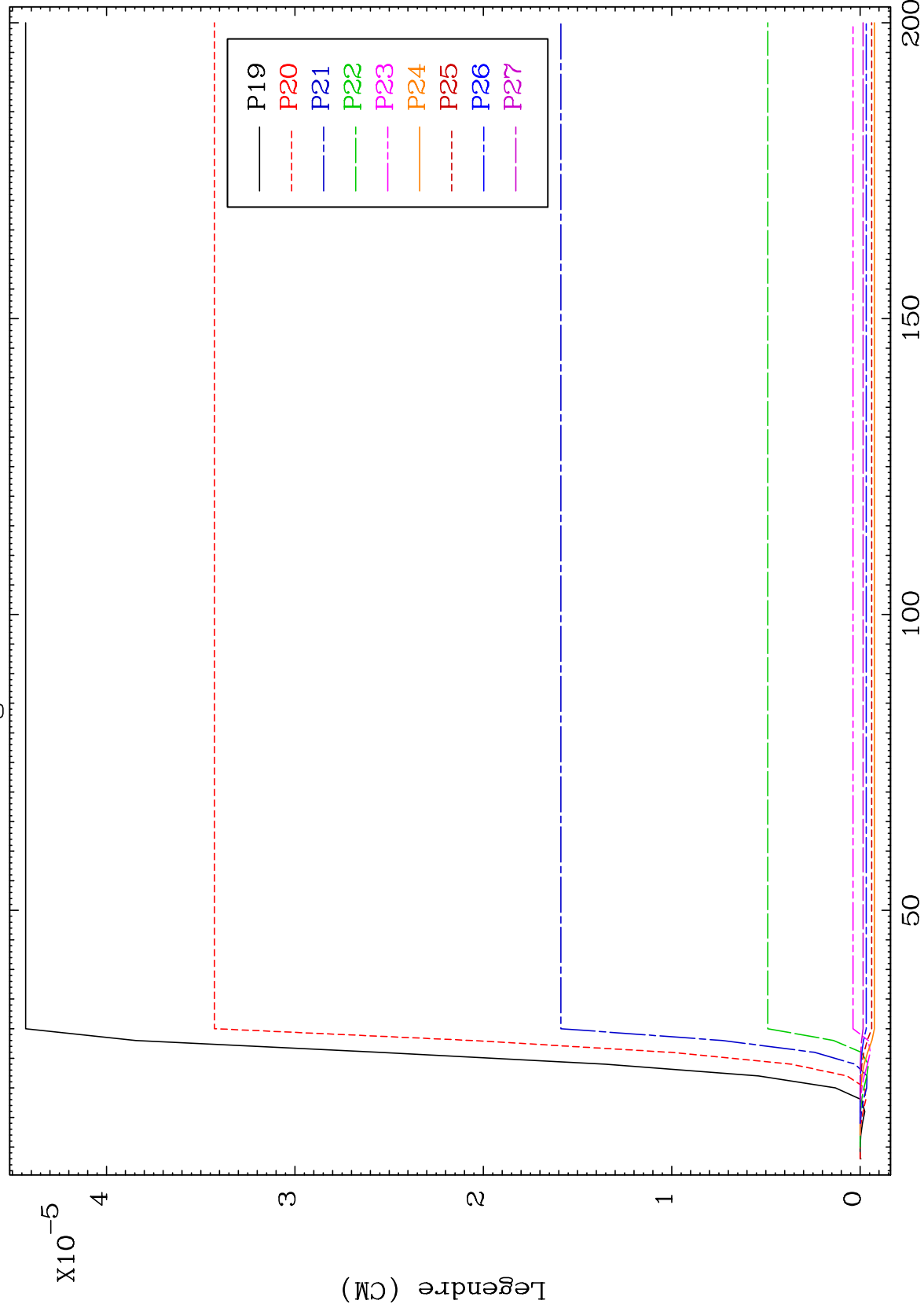
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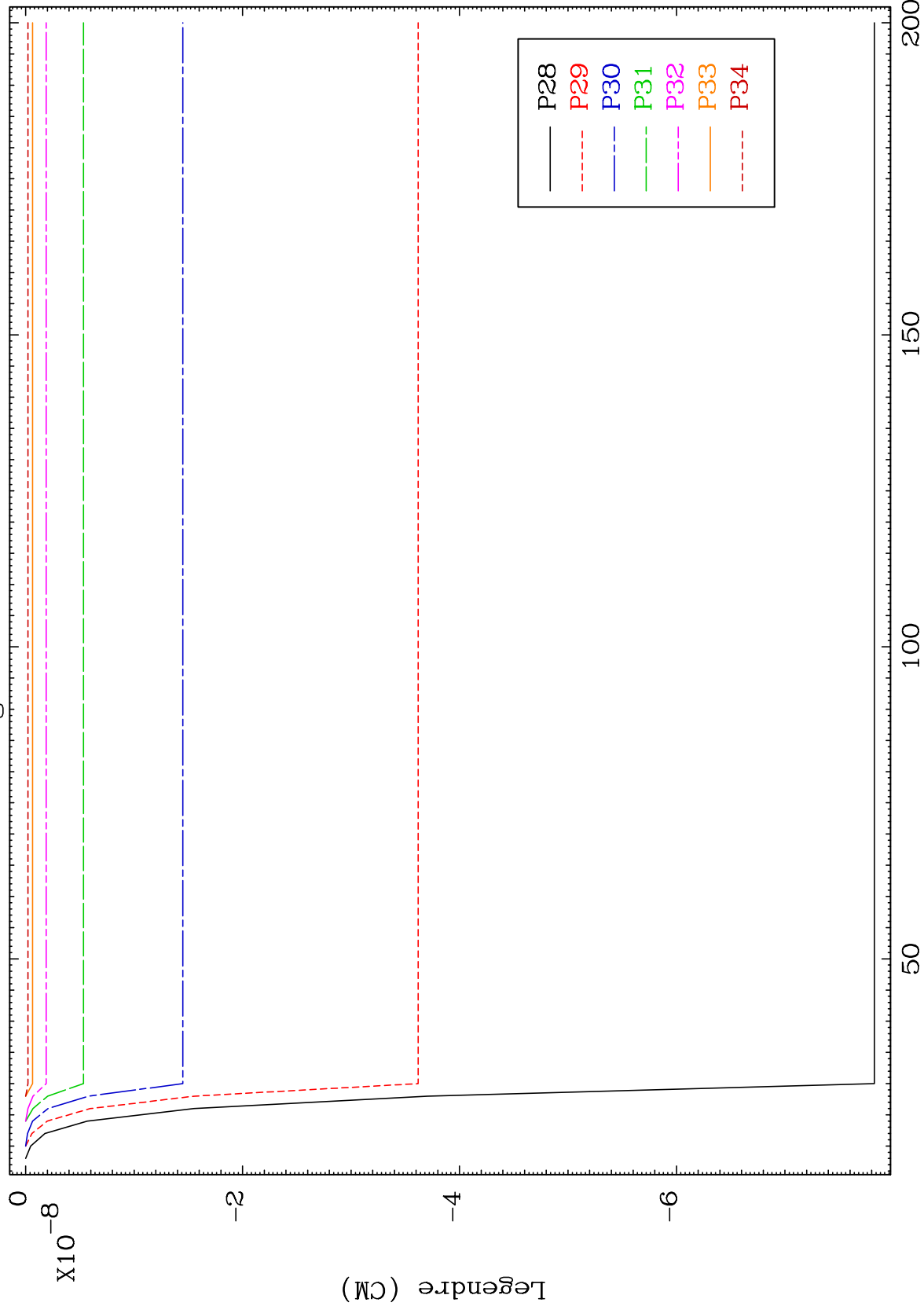








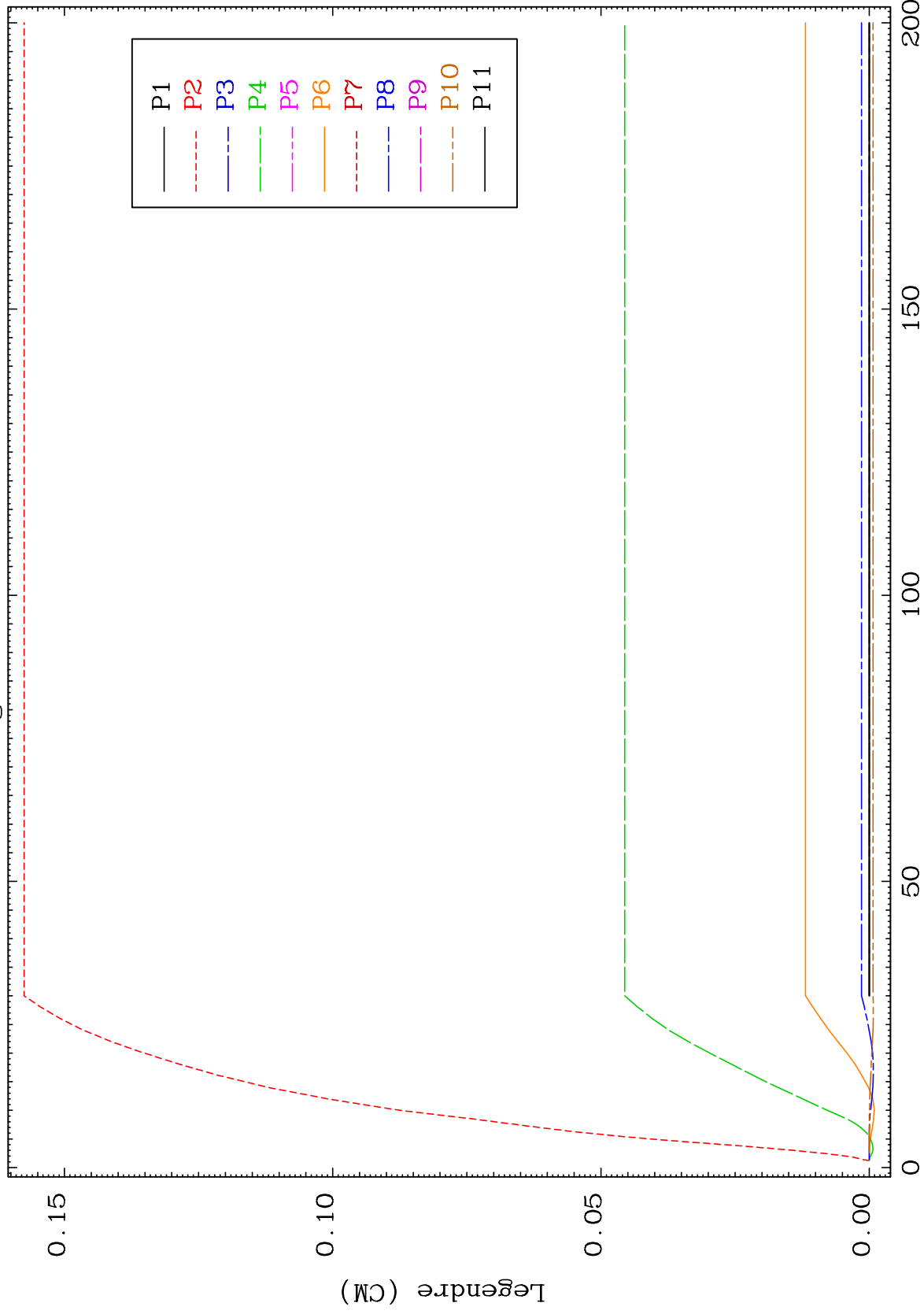
Legendre Coefficients



MAT 5280

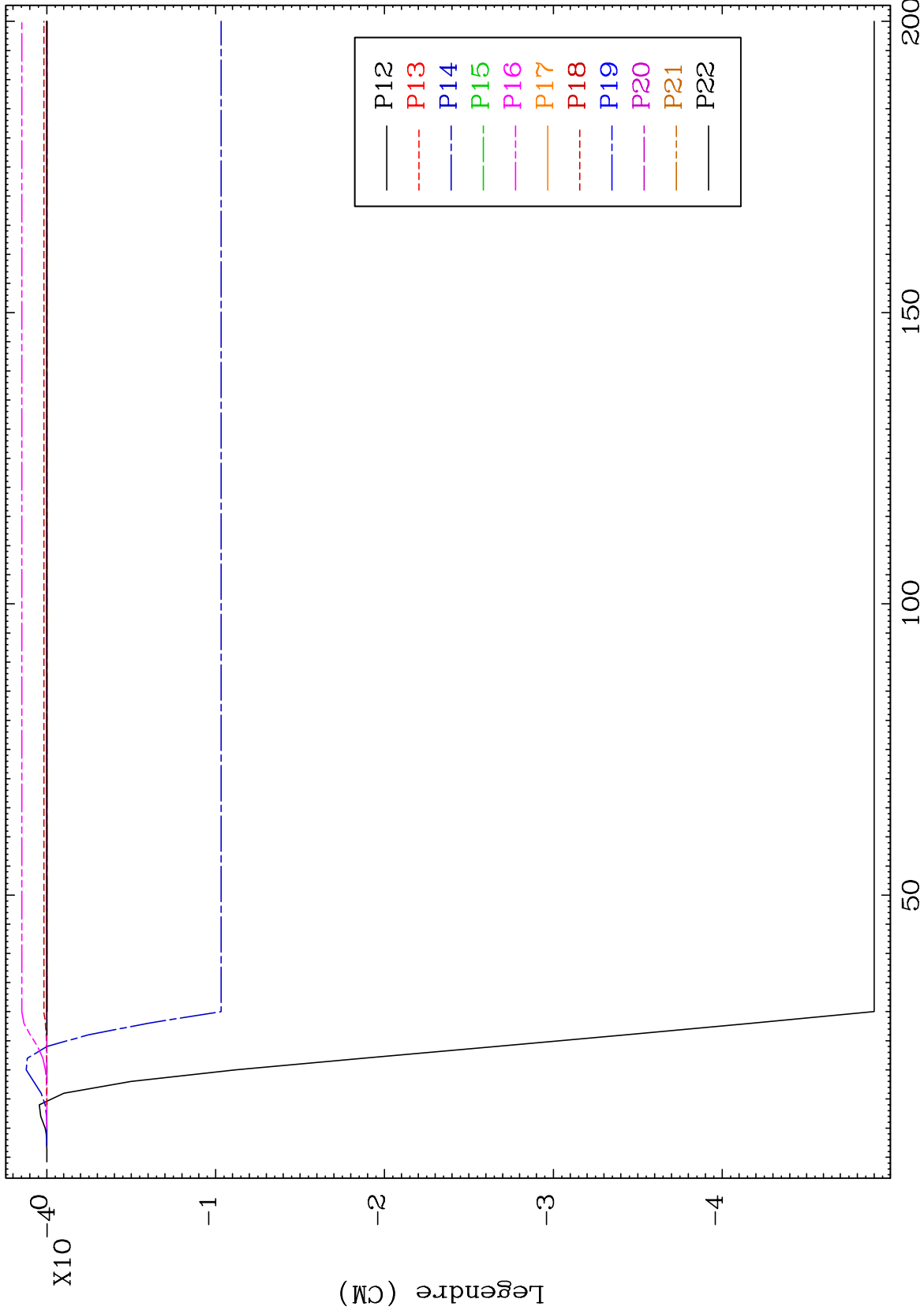
MT= 62 (n,n') Level
Legendre Coefficients

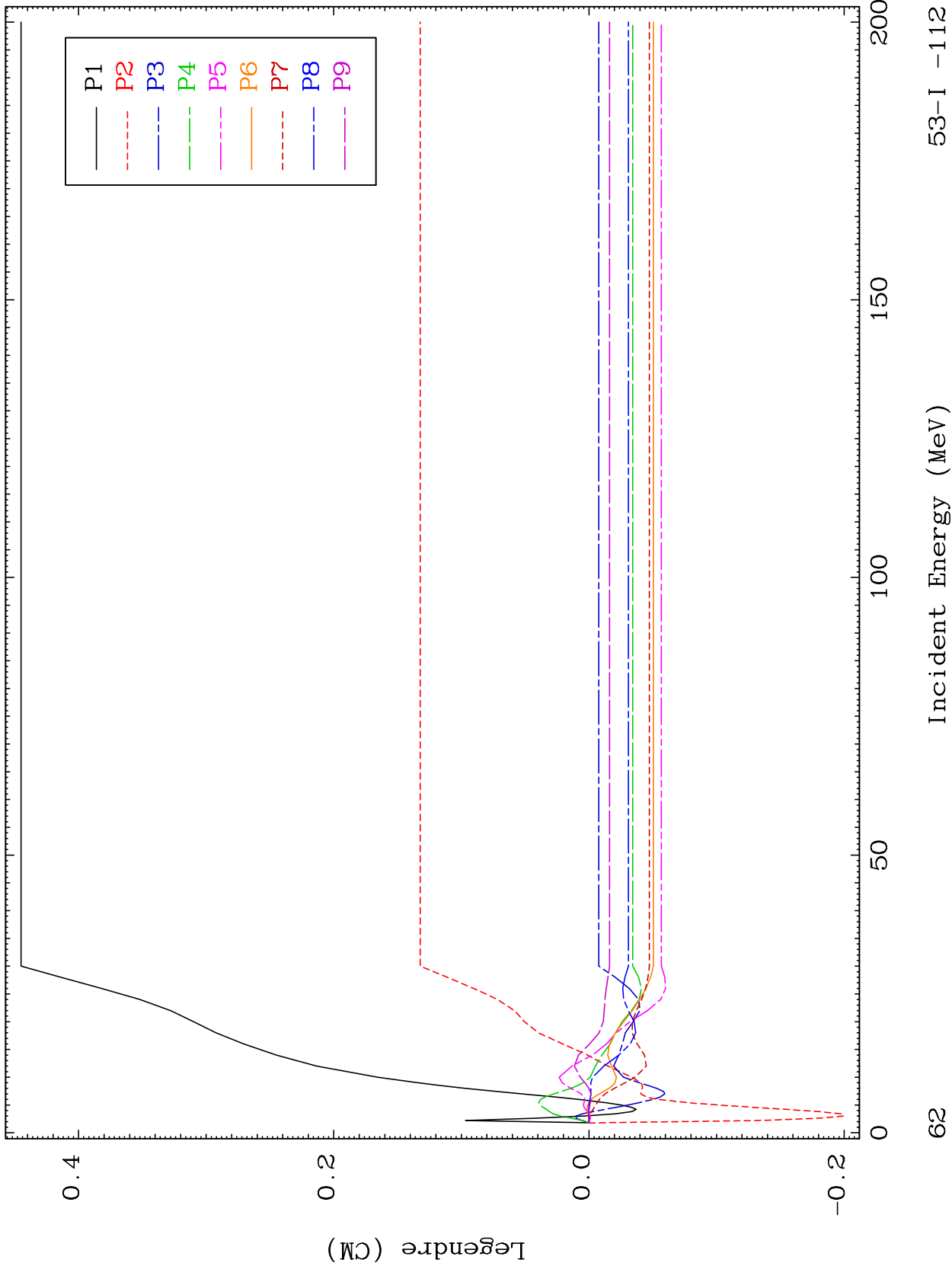
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Incident Energy (MeV)

53-I -112

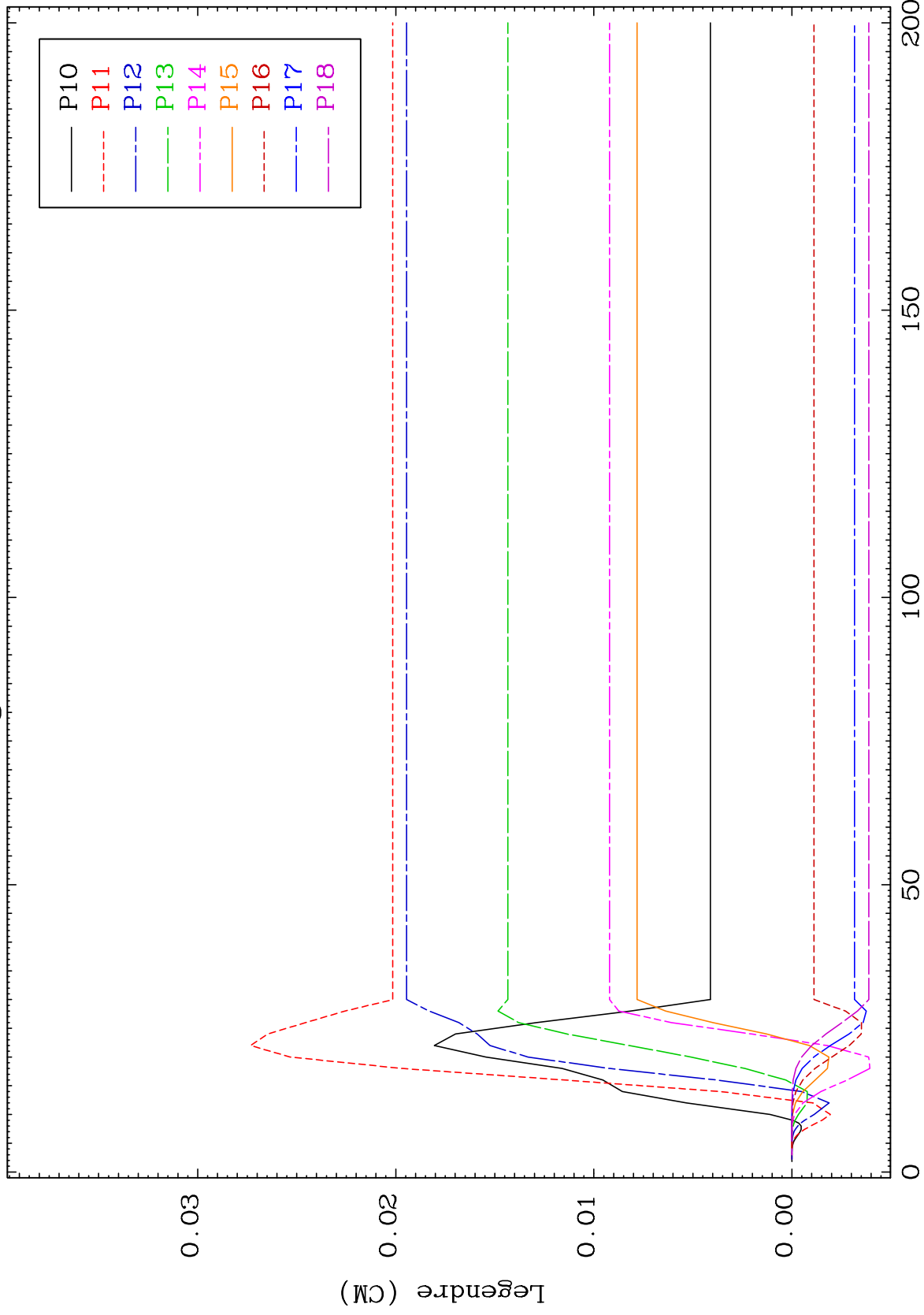




MAT 5280

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

53-I -112



63

Incident Energy (MeV)

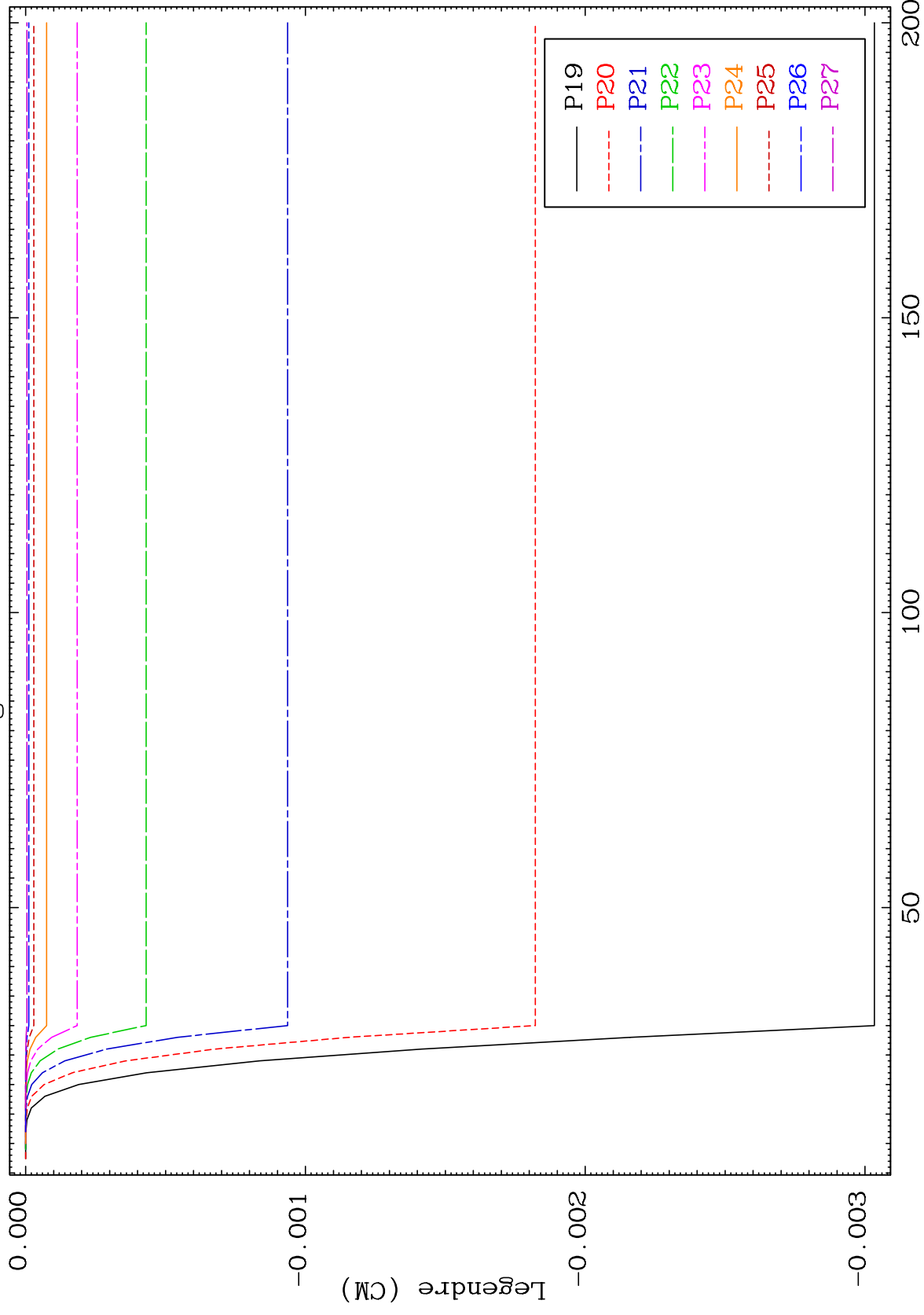
53-I -112

MAT 5280

MT= 63 (n,n') Level

53-I -112

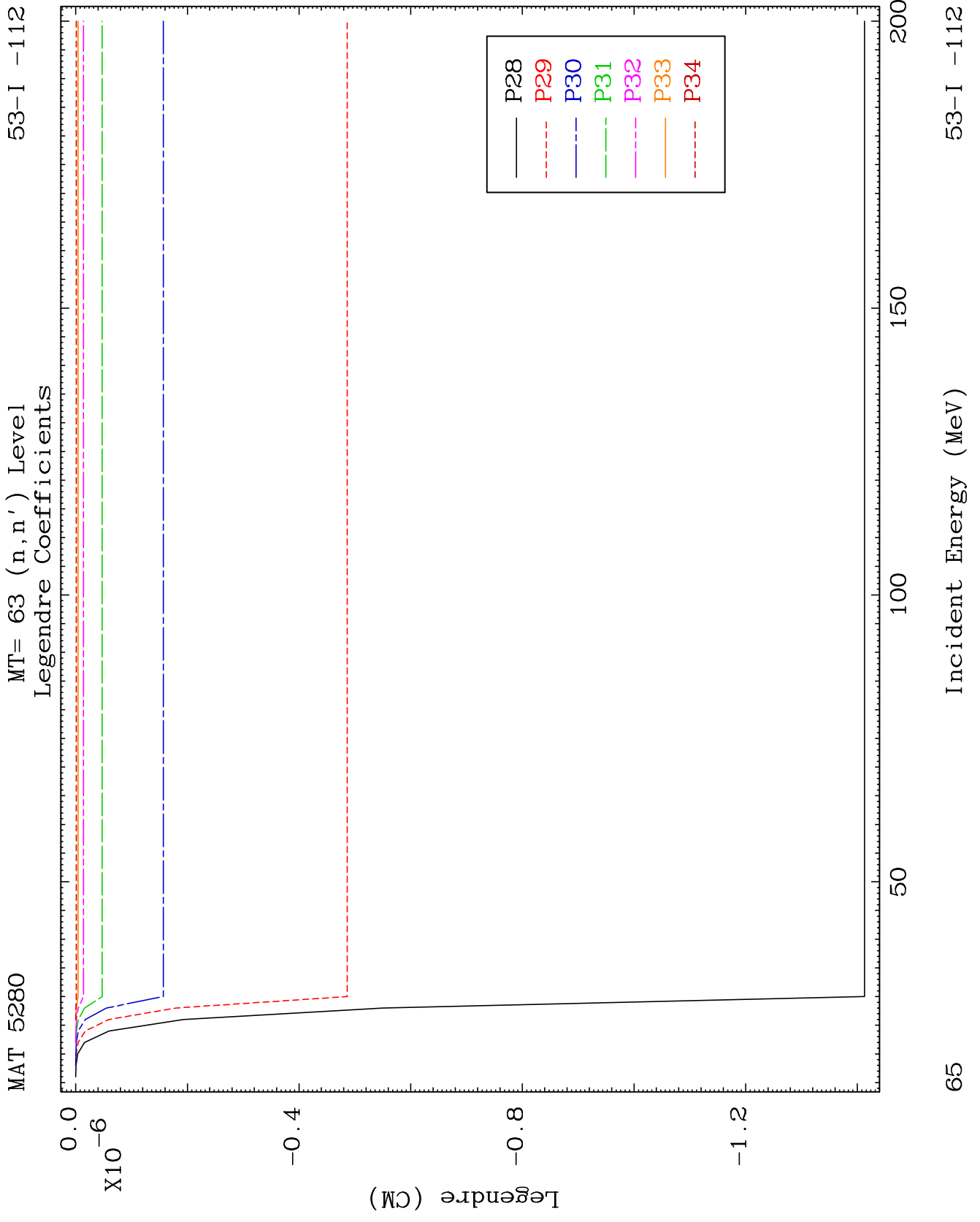
Legendre Coefficients



53-I -112

Incident Energy (MeV)

64

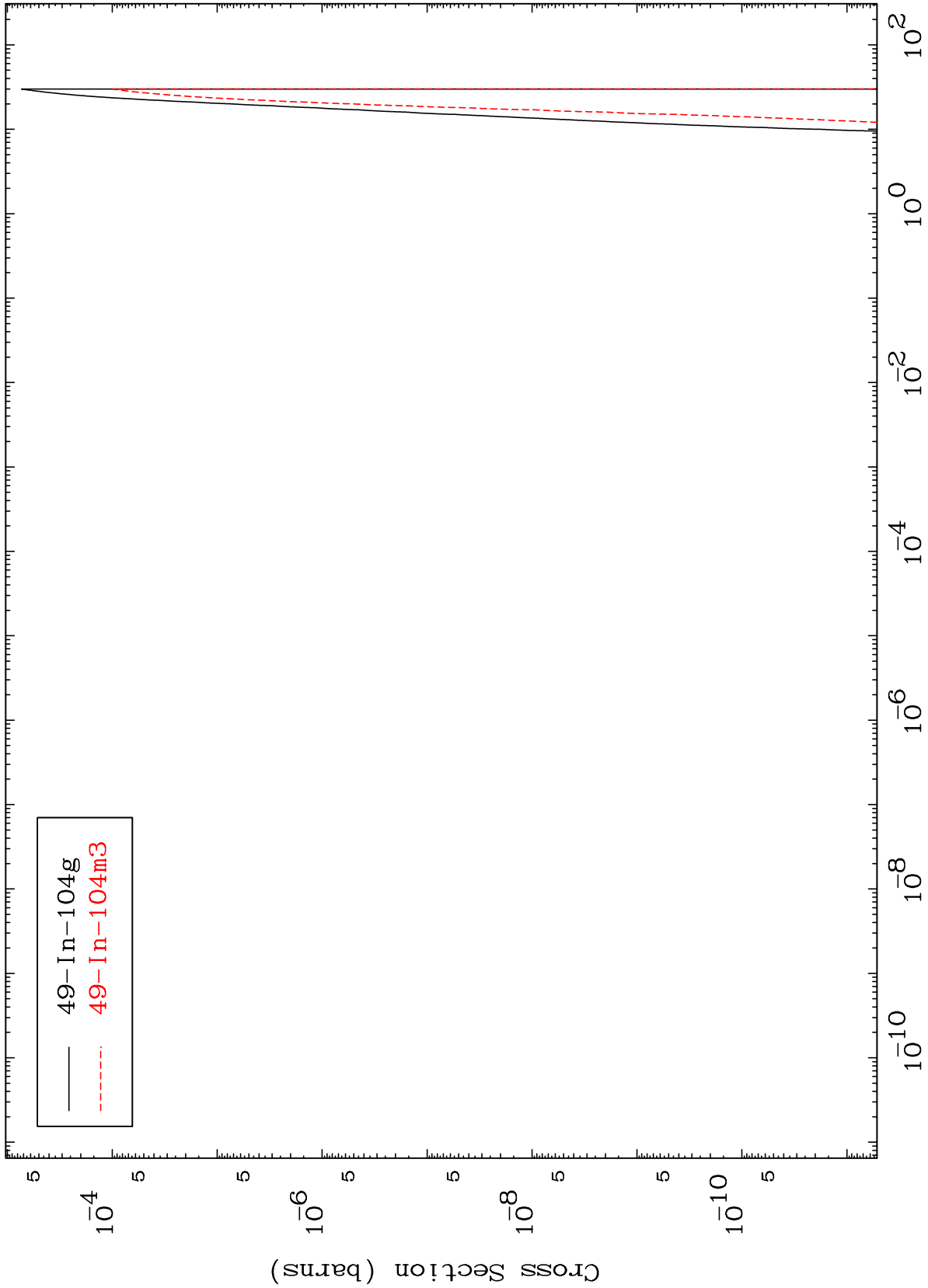


MAT 5280

(n,n') 2α

53-I -112

Radionuclide Production Cross Section



66

Incident Energy (MeV)

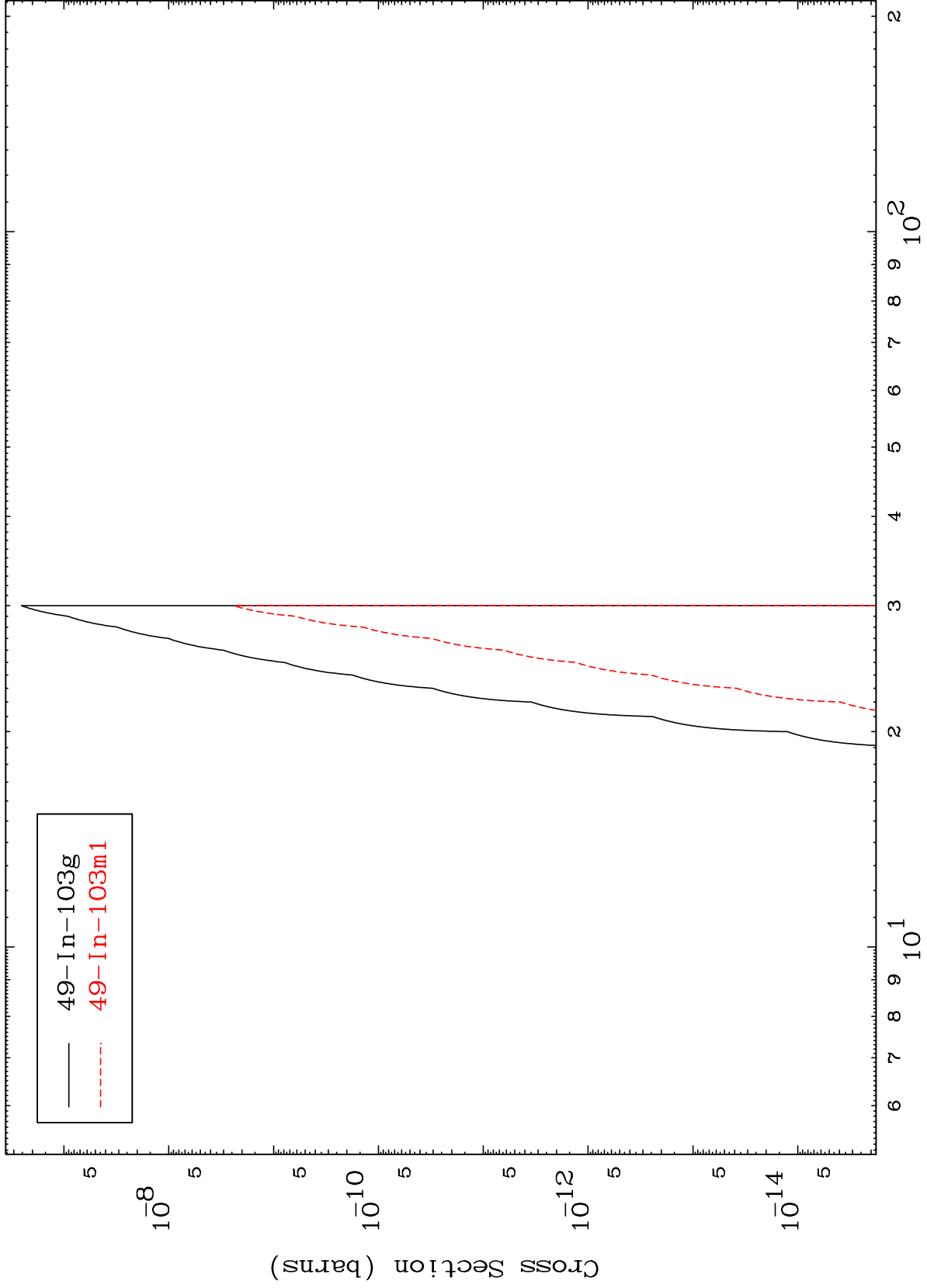
53-I -112

MAT 5280

(n,2n) 2α

53-I -112

Radionuclide Production Cross Section



67

Incident Energy (MeV)

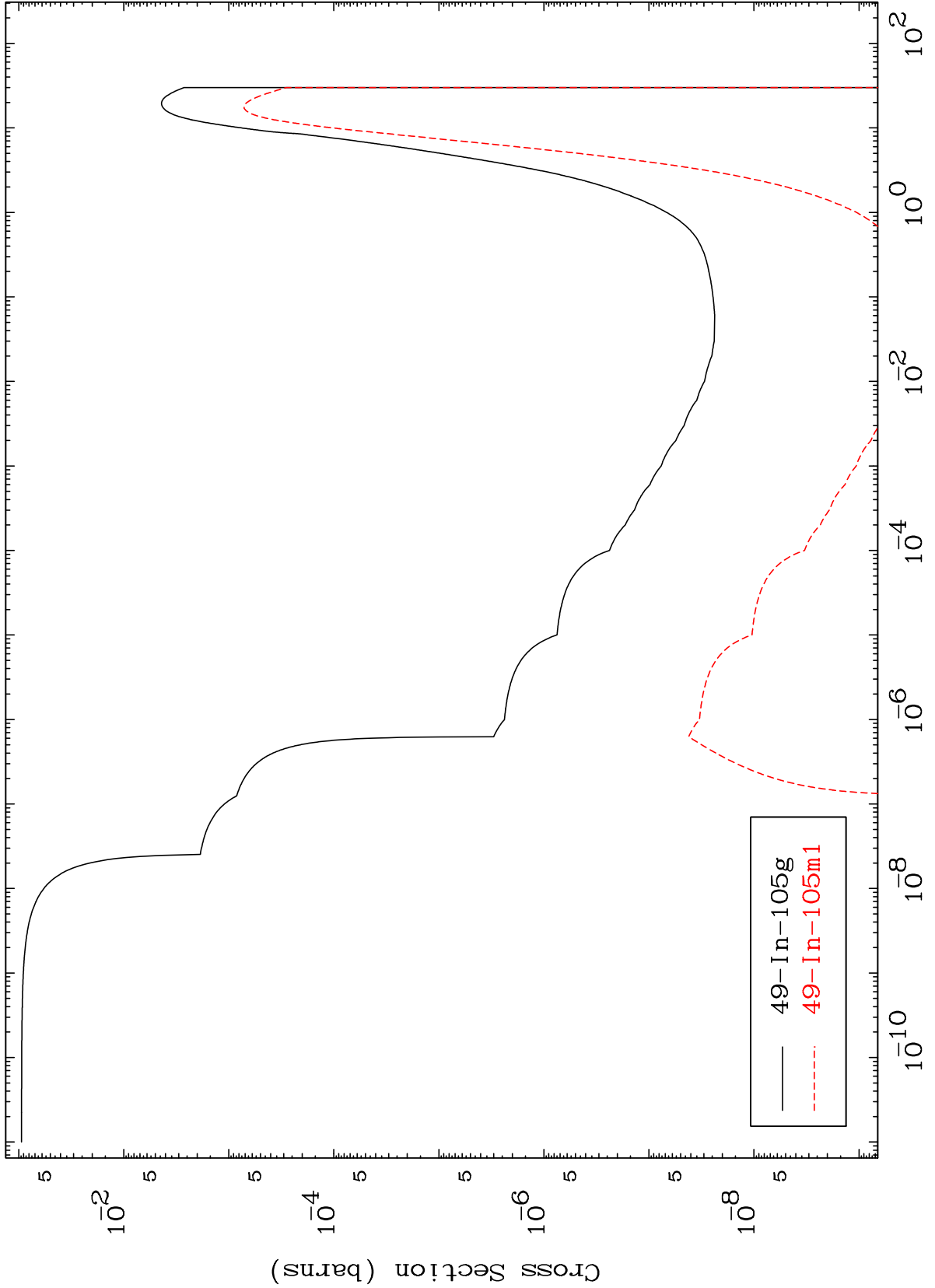
53-I -112

MAT 5280

(n,2α)

53-I -112

Radionuclide Production Cross Section



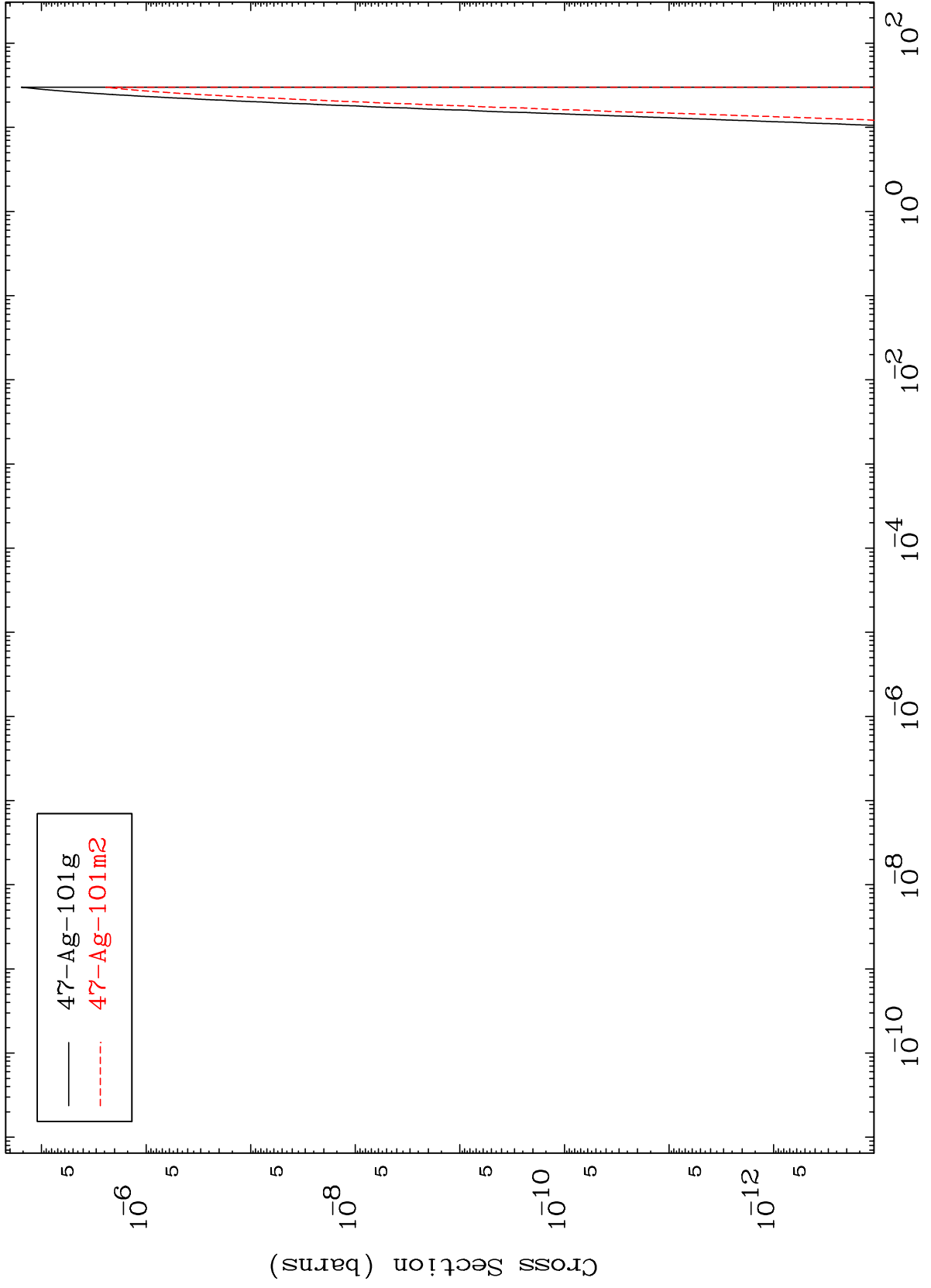
— 49-I n-105g
- - - 49-I n-105m1

MAT 5280

(n,3 α)

53-I -112

Radionuclide Production Cross Section



69

Incident Energy (MeV)

53-I -112