

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

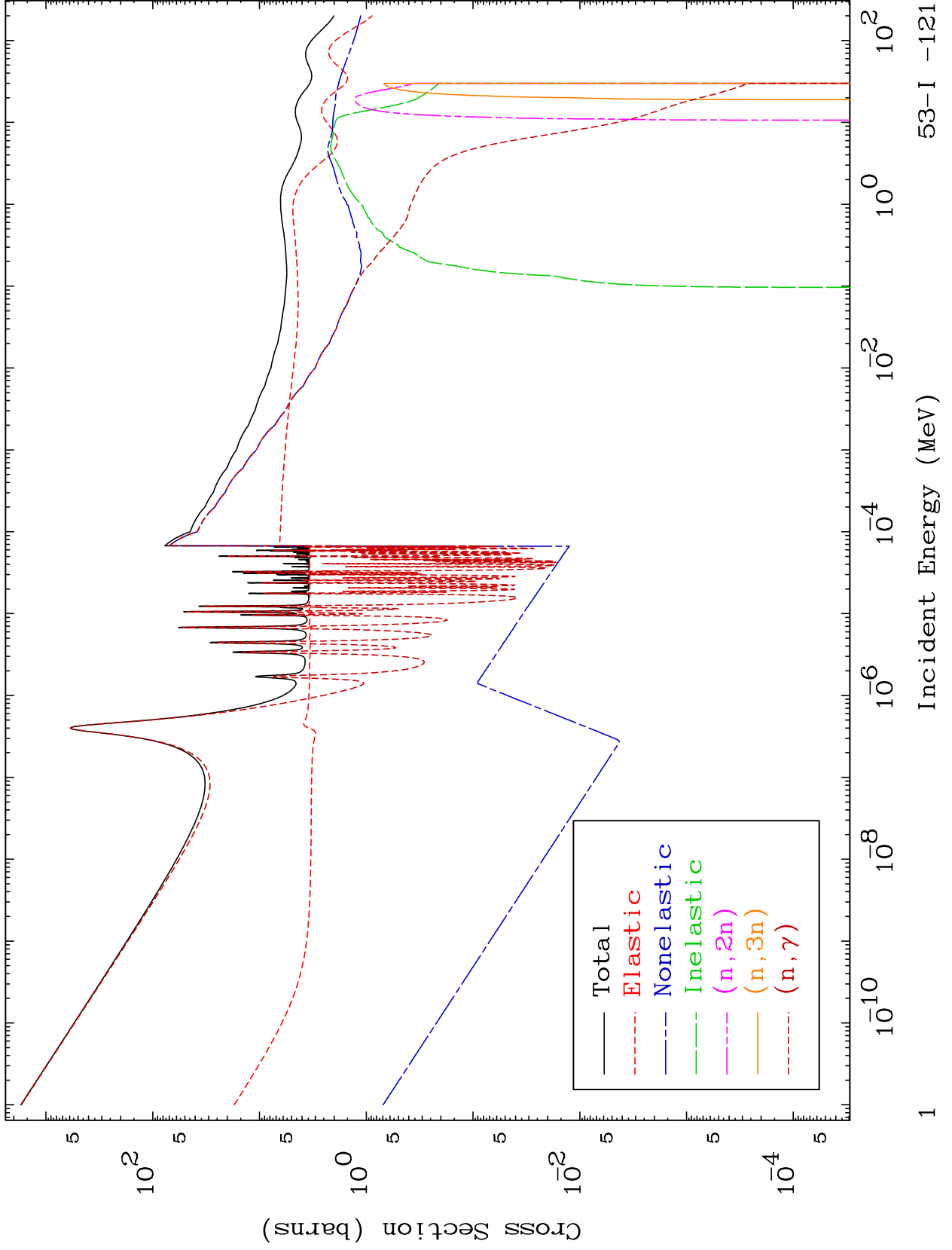
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

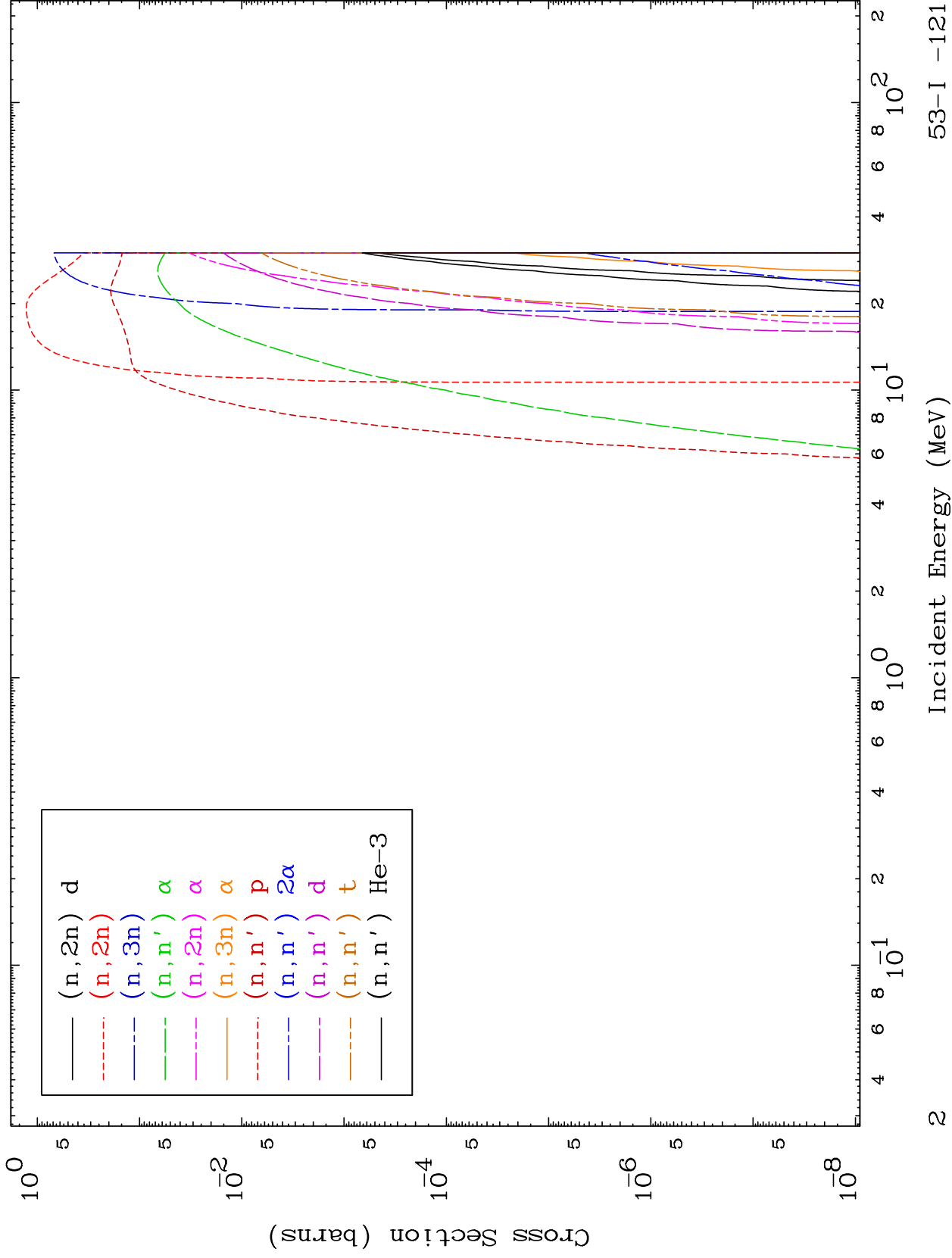
Tele: 925-443-1911

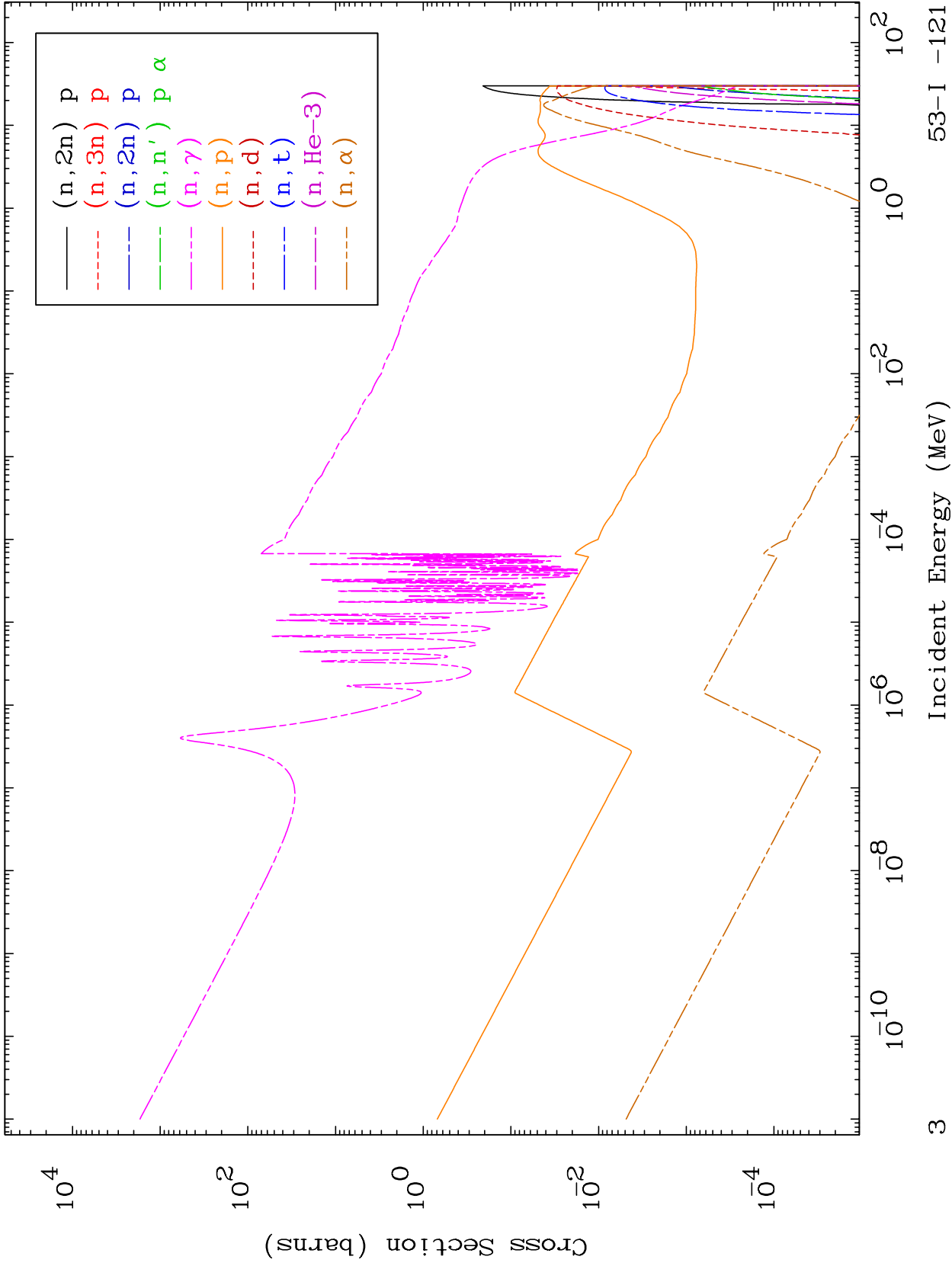
E.Mail:redcullen1@comcast.net

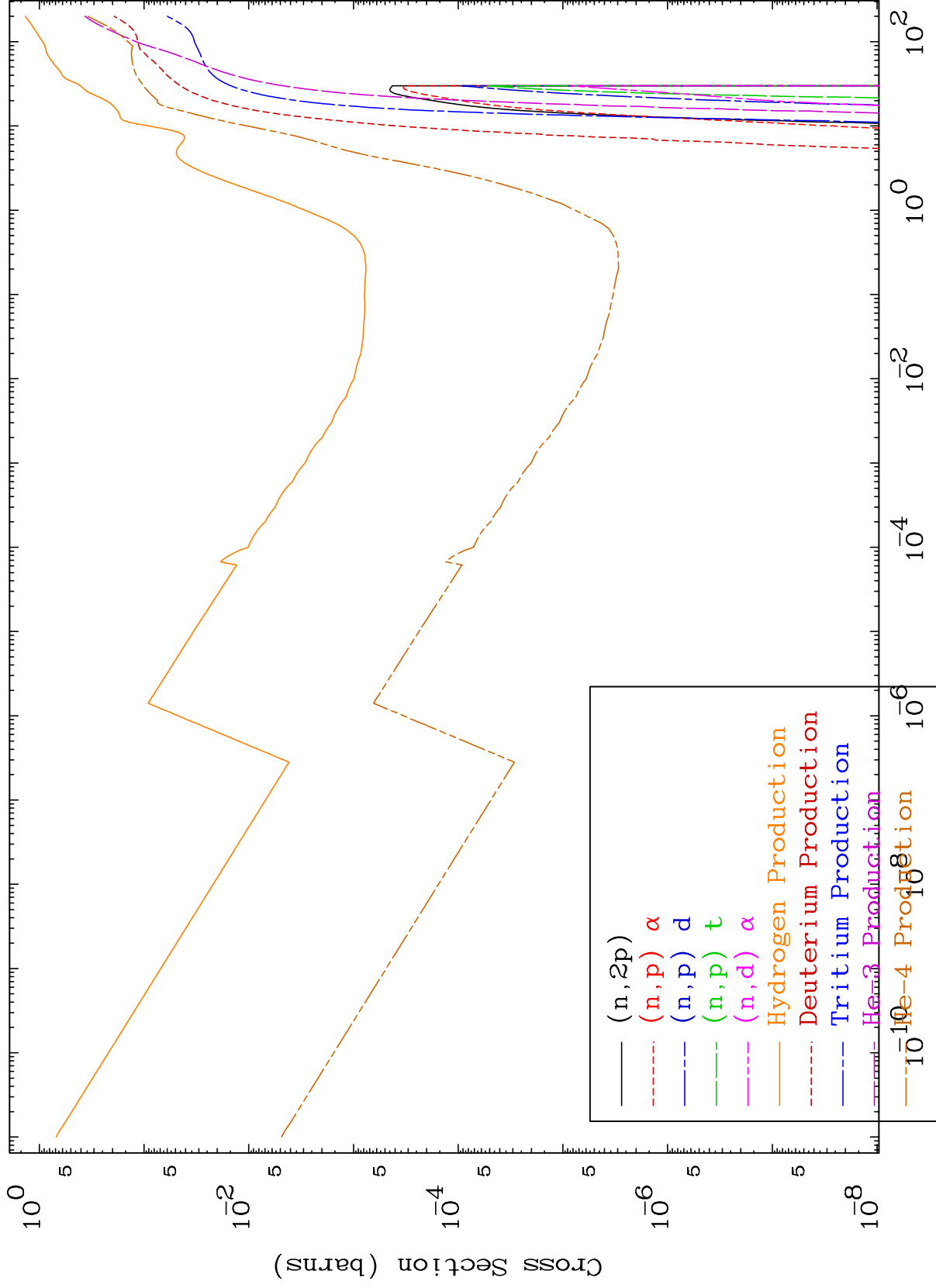
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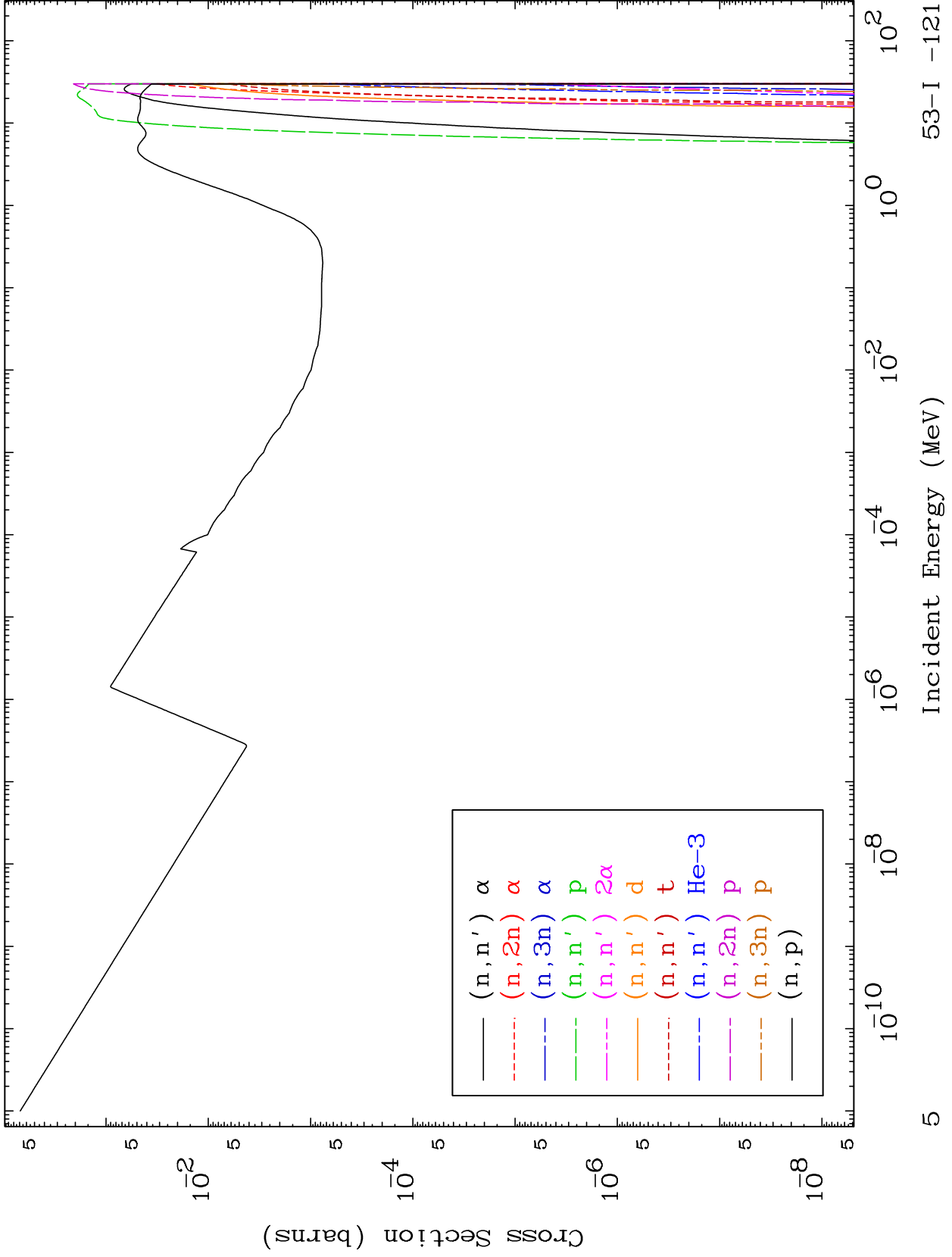
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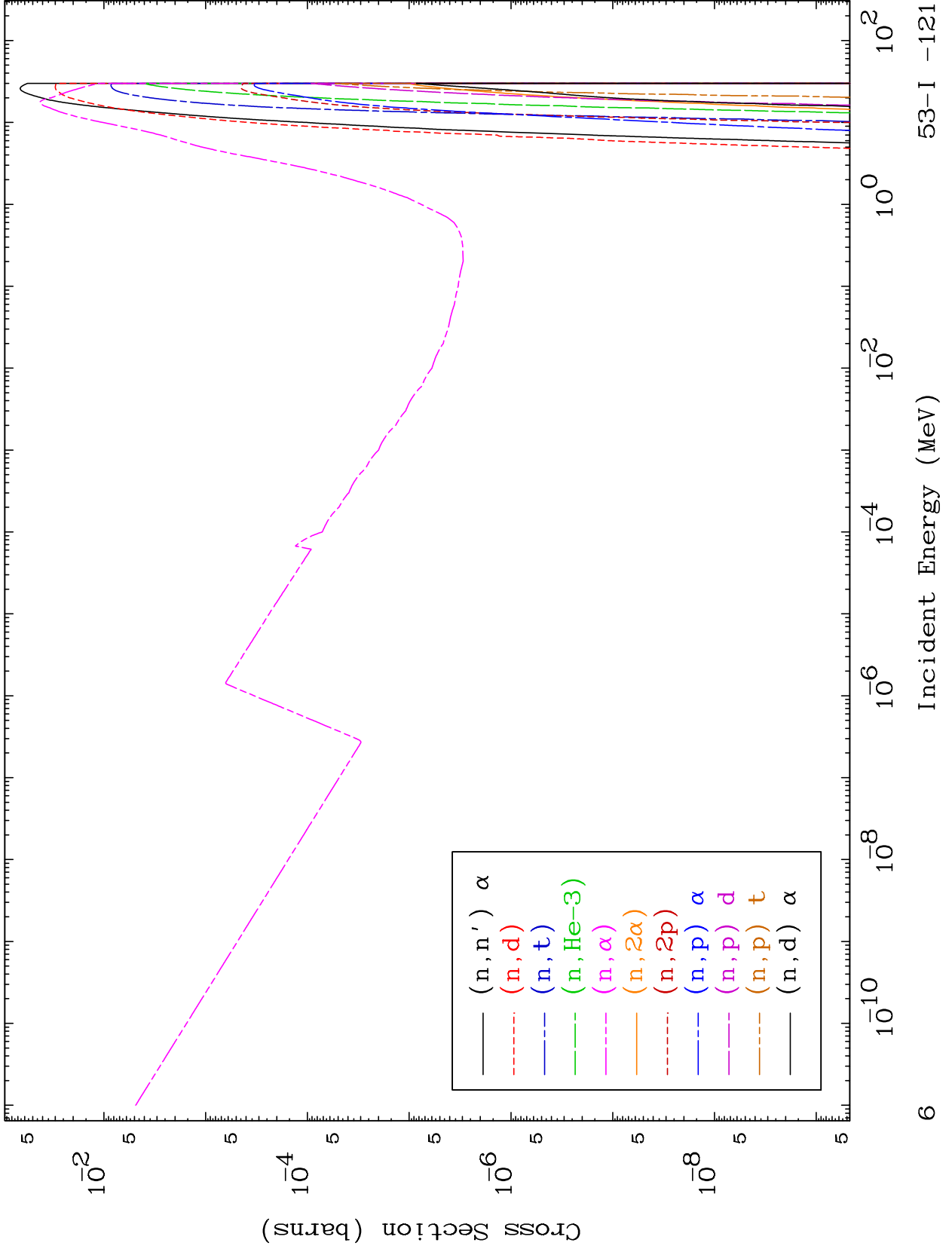


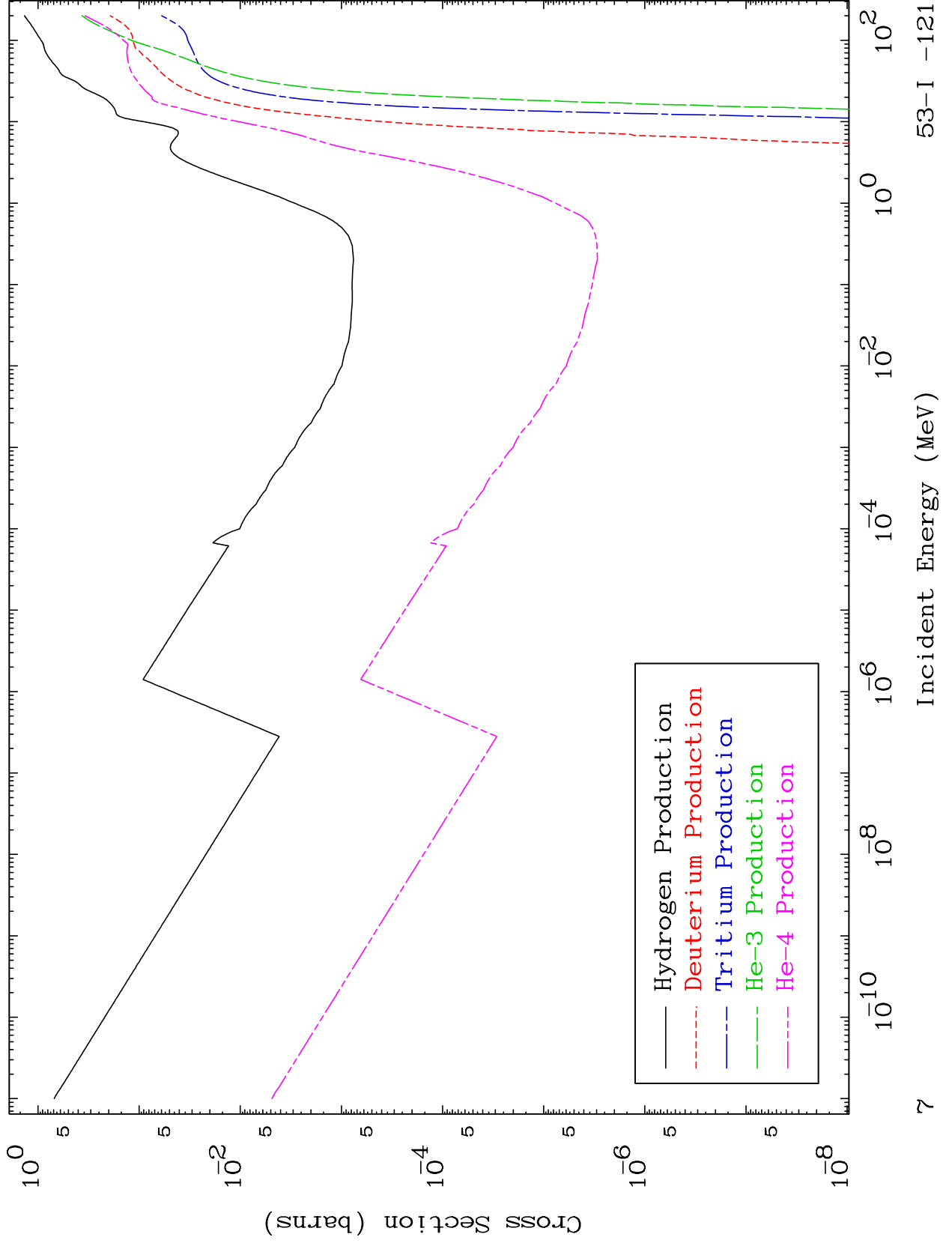


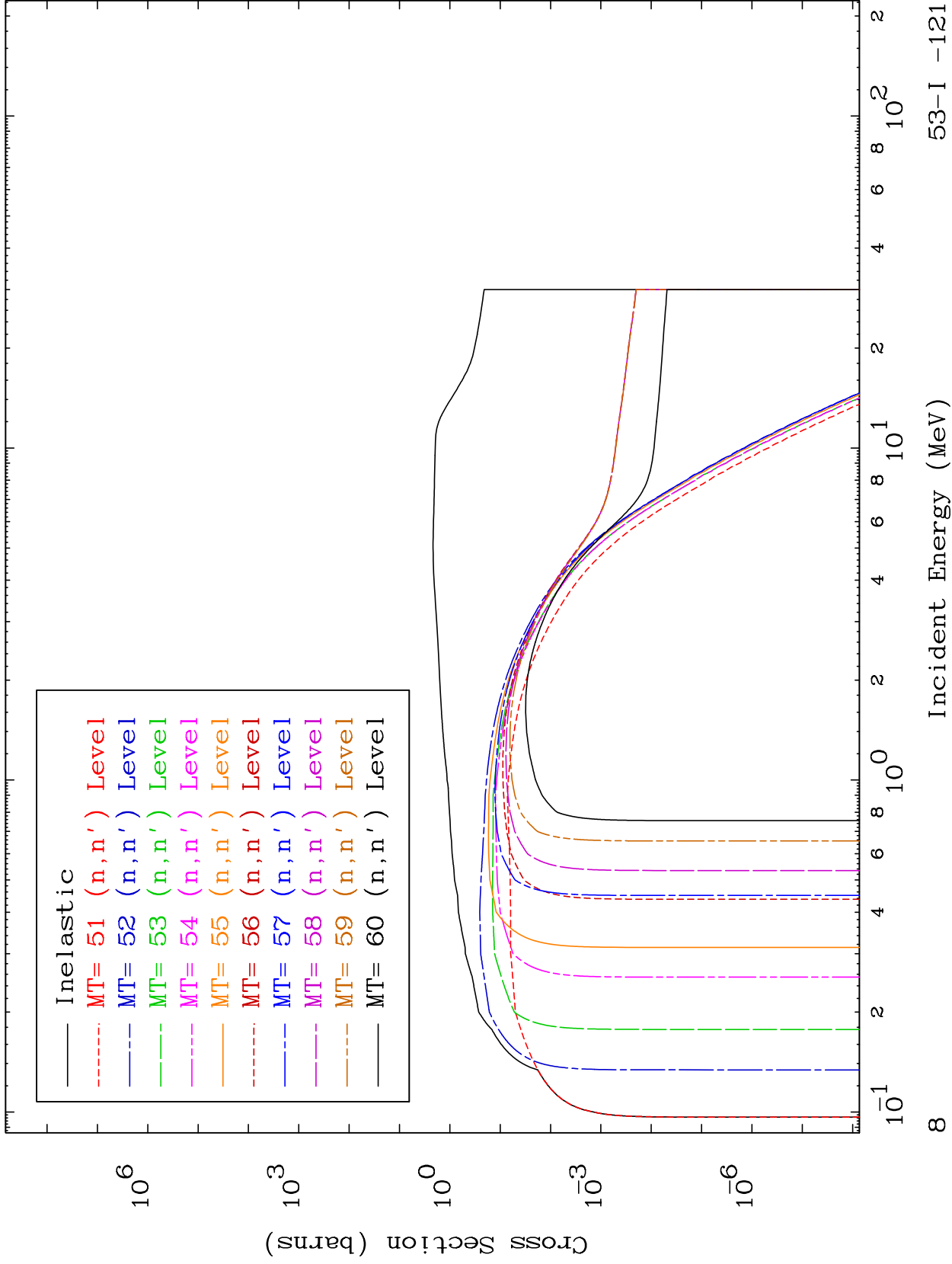
MAT 5307

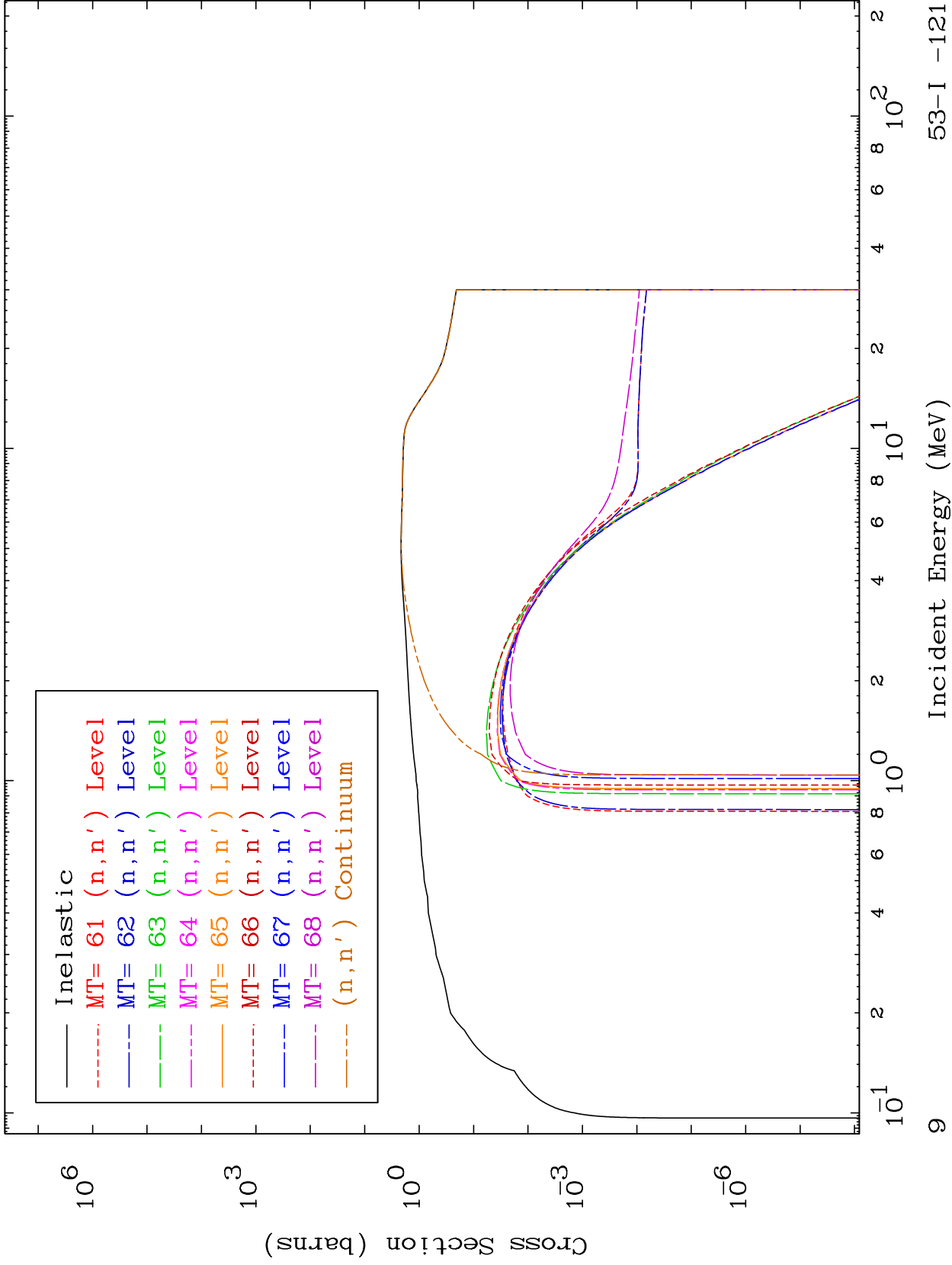
Charged Particle
293 Kelvin Cross Sections

53-I -121





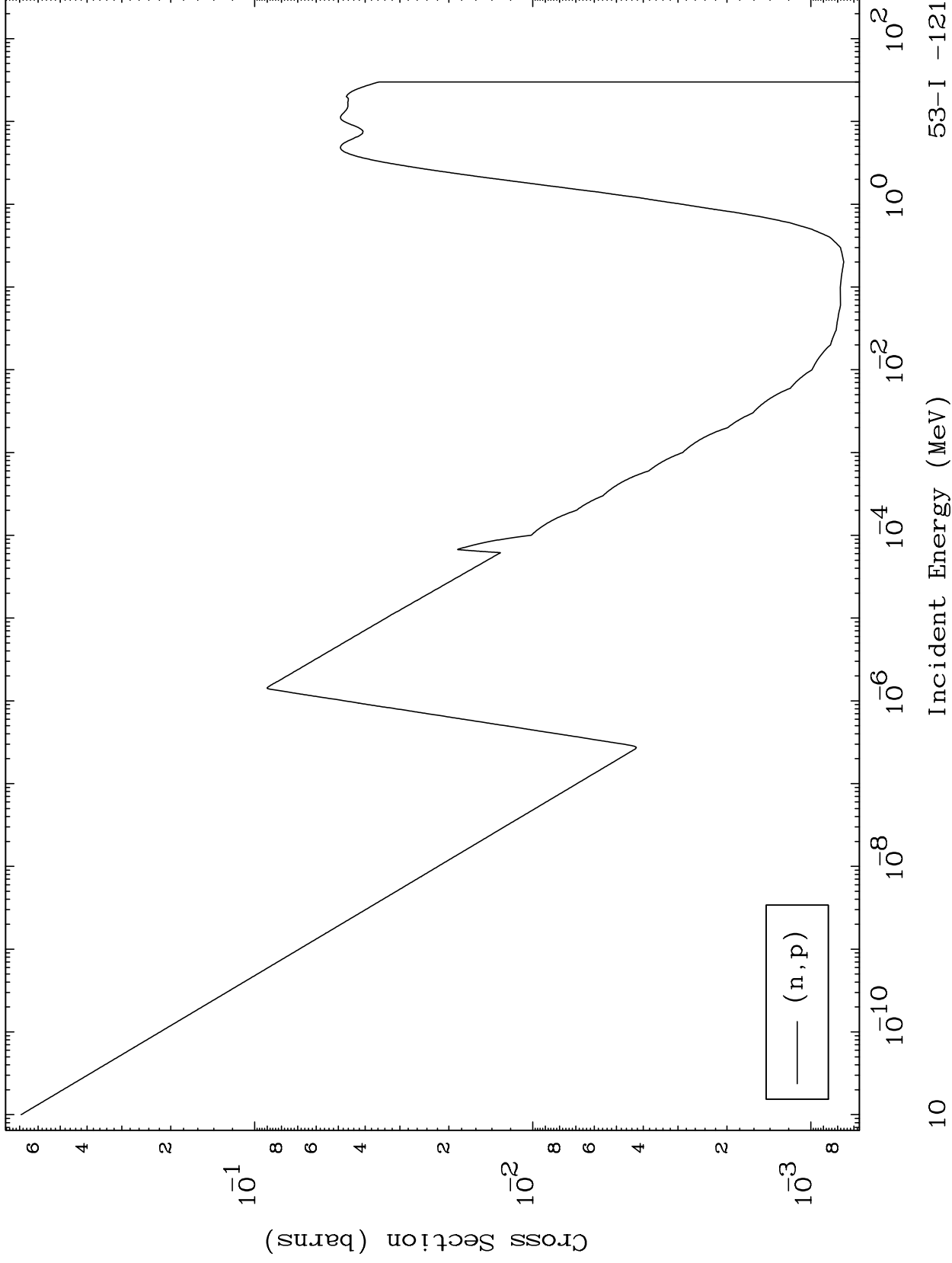




MAT 5307

(n,p) Levels
293 Kelvin Cross Sections

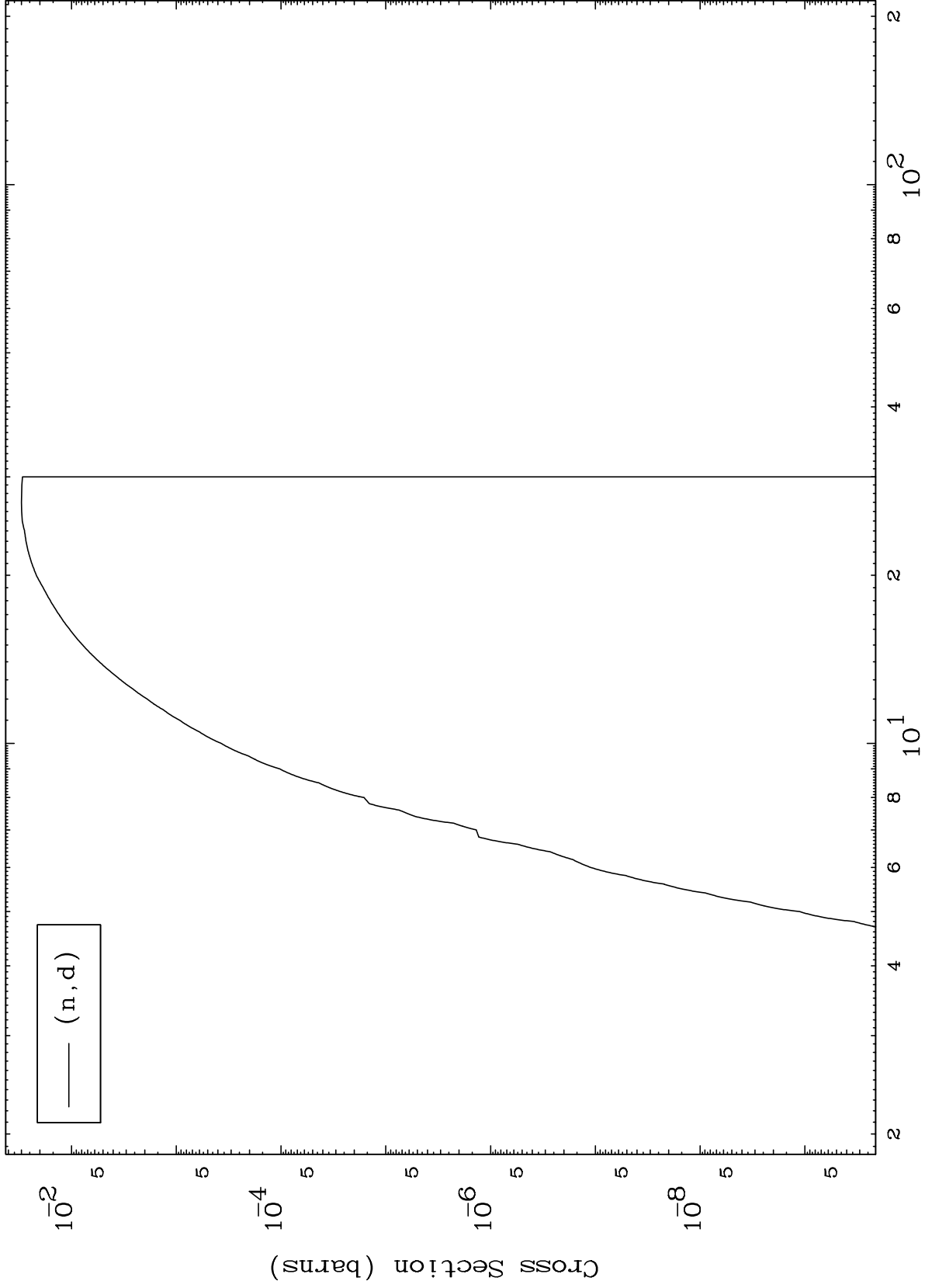
53-I -121

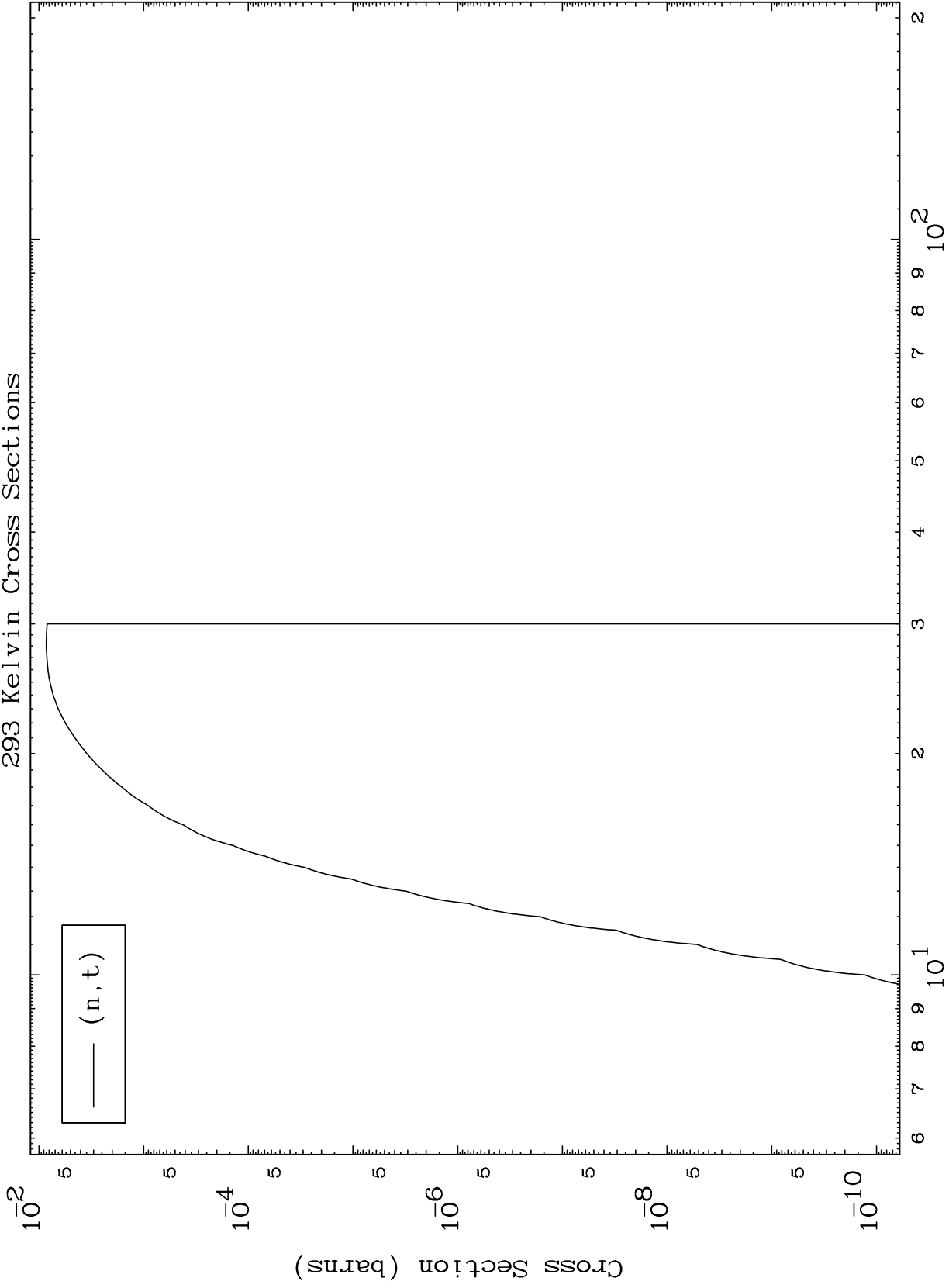


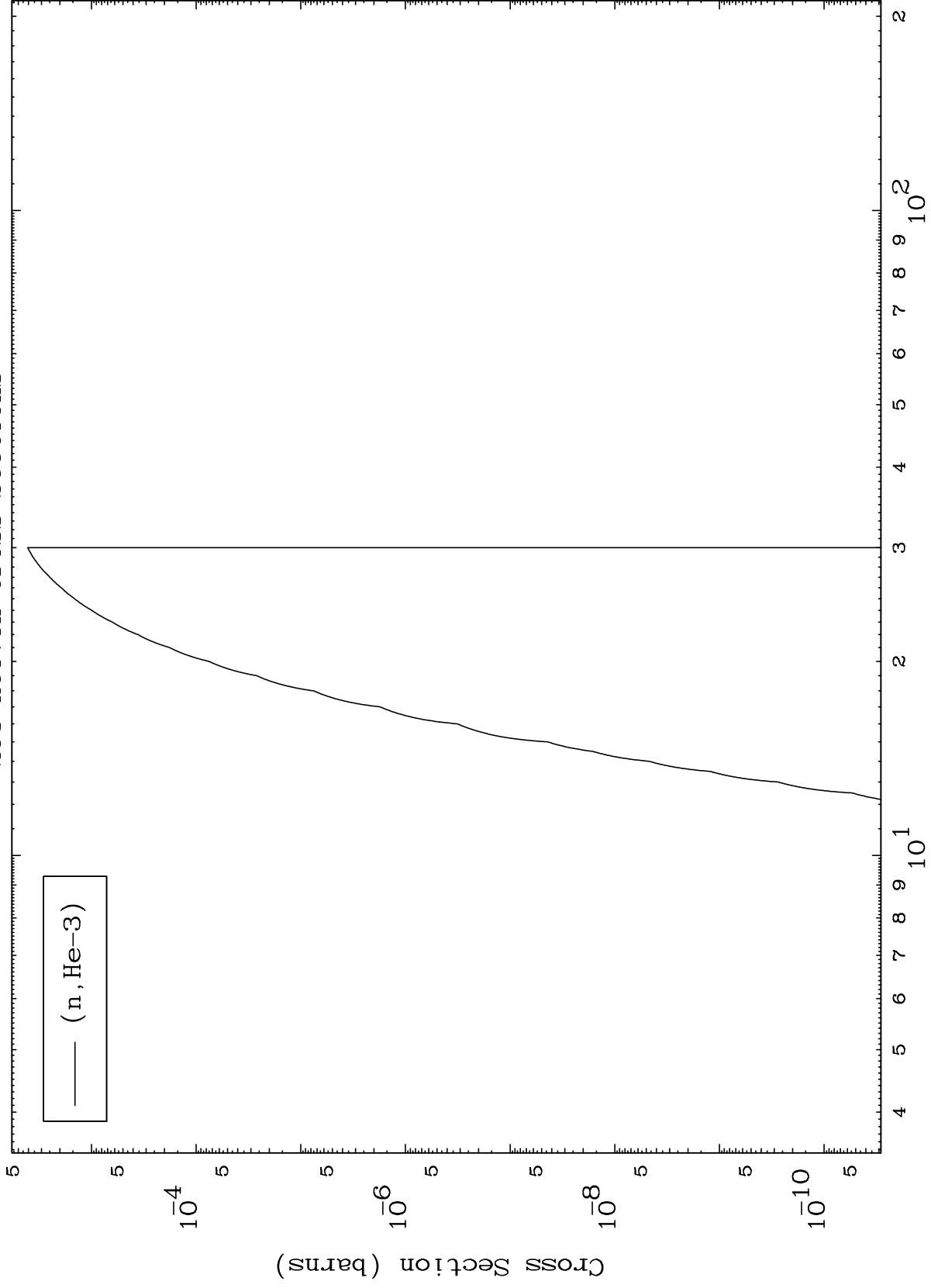
10

Incident Energy (MeV)

53-I -121



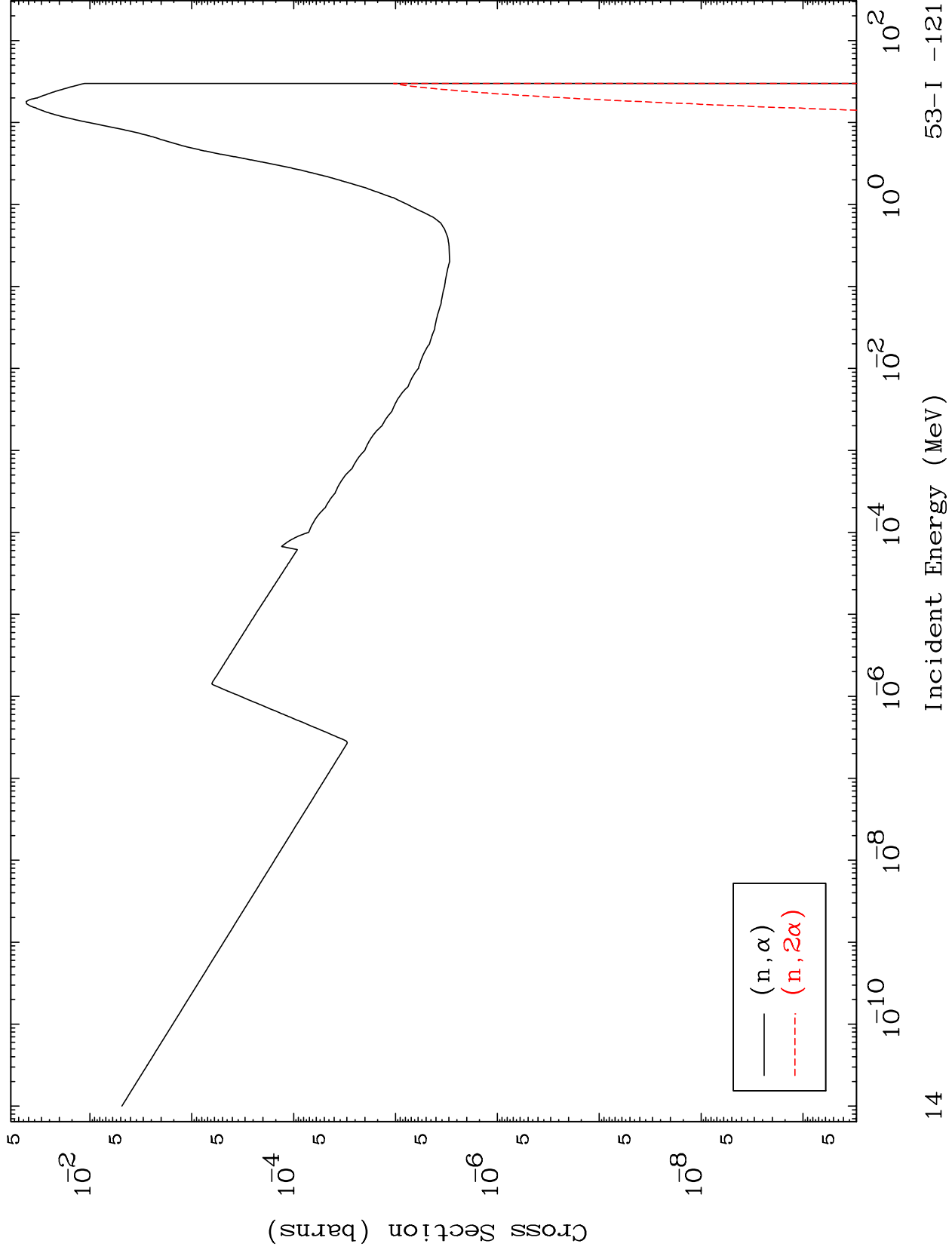




MAT 5307

(n,α) Levels
293 Kelvin Cross Sections

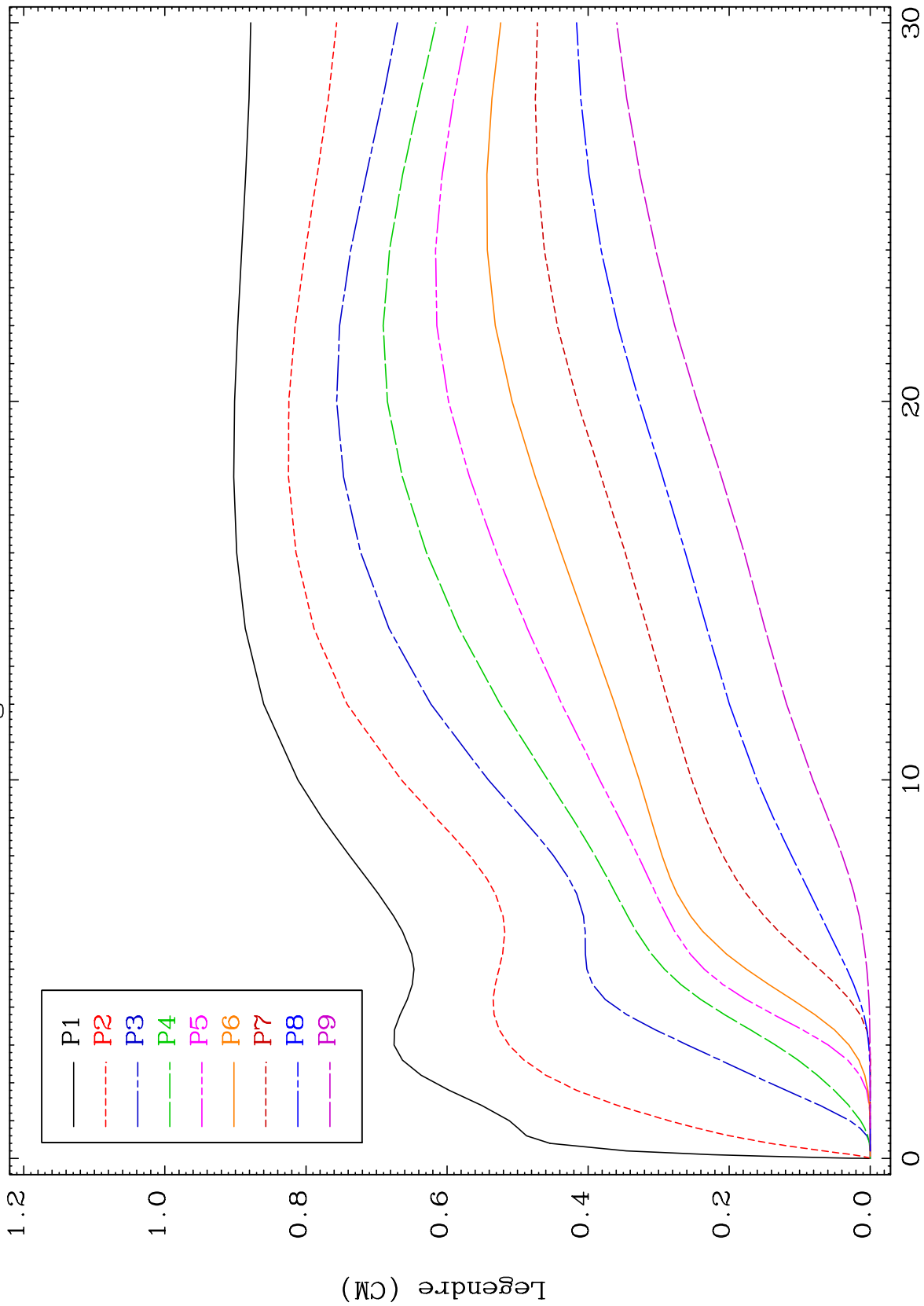
53-I -121



MAT 5307

Elastic Legendre Coefficients

53-I -121

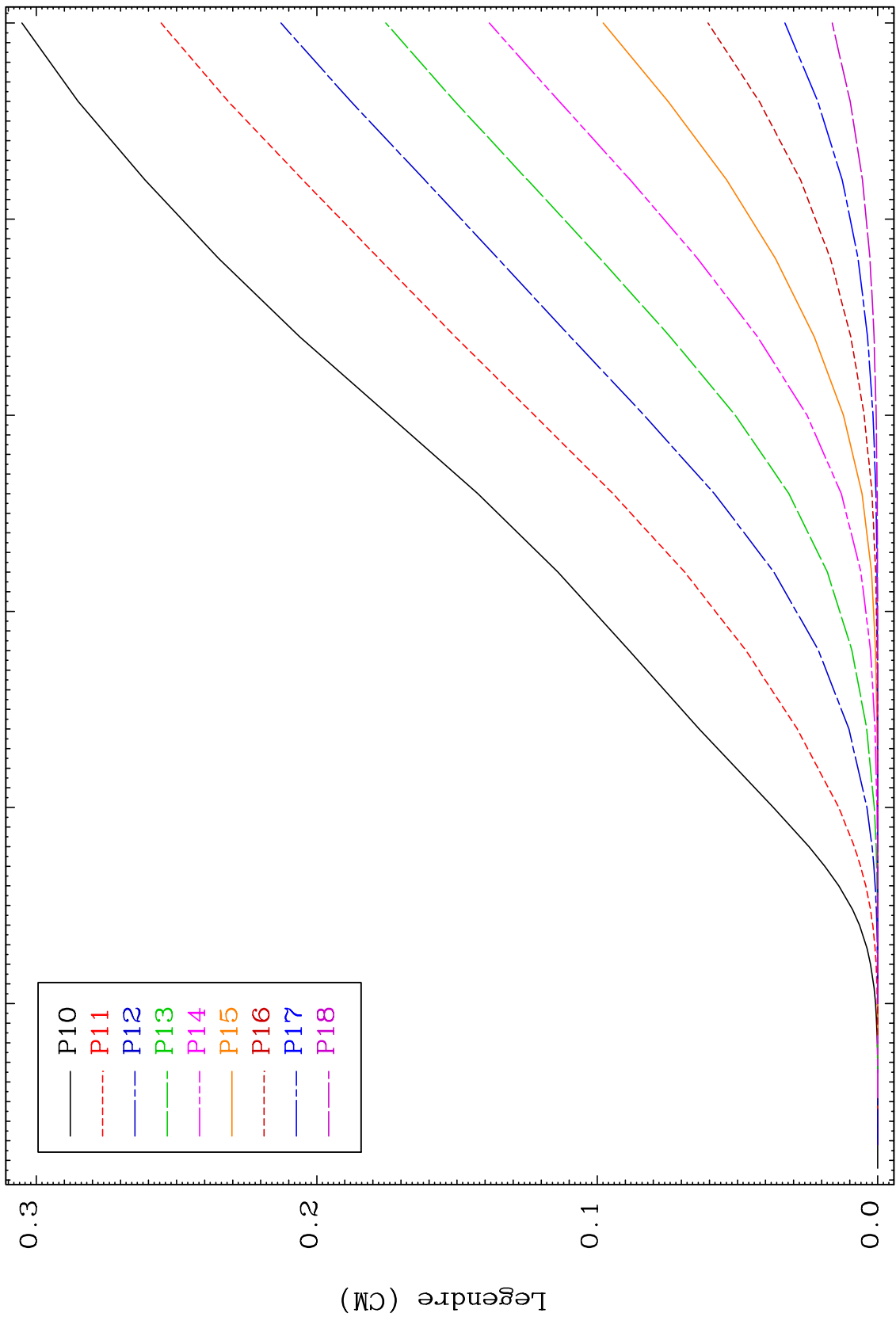


15

Incident Energy (MeV)

53-I -121

Elastic Legendre Coefficients

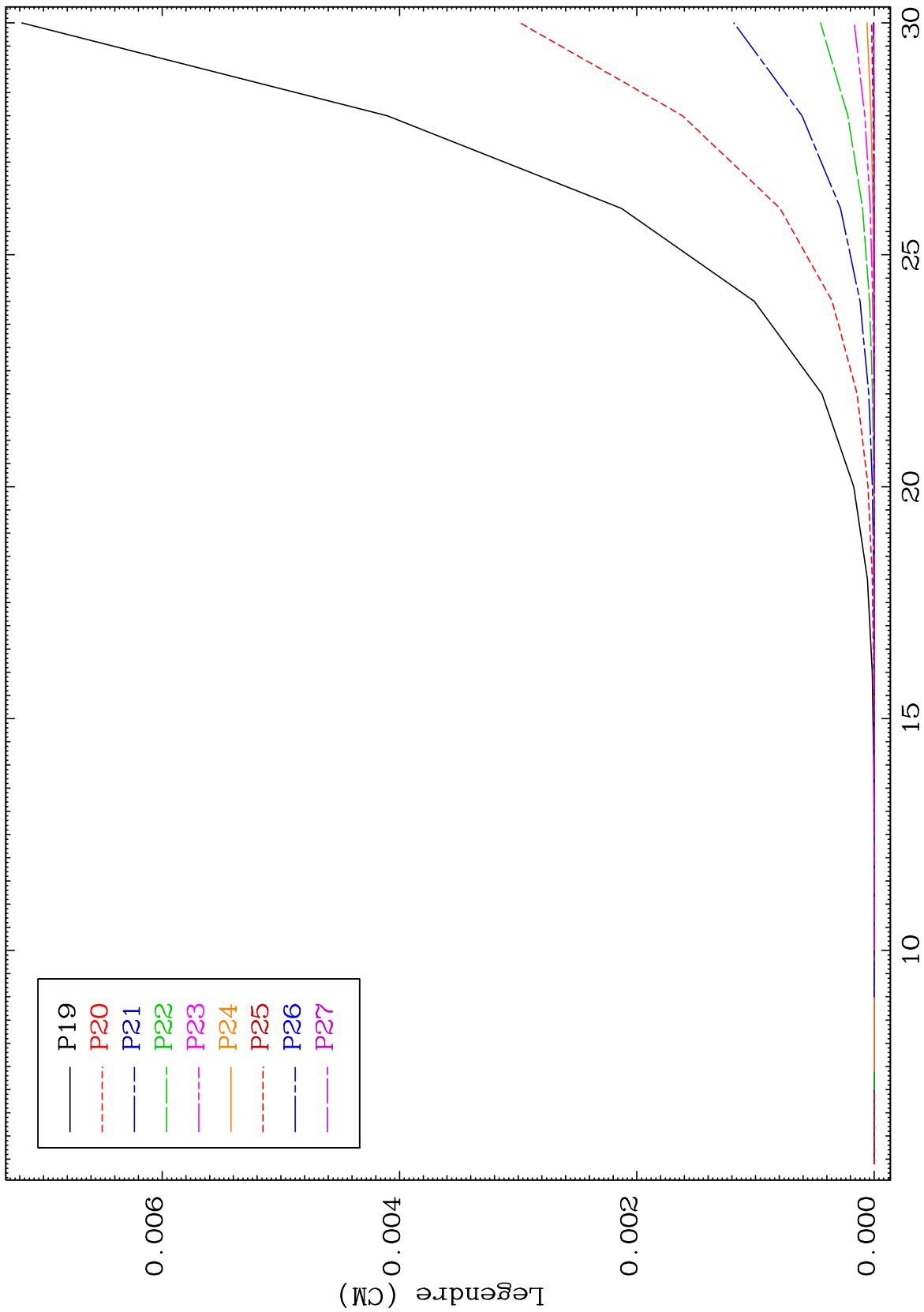


Incident Energy (MeV)

MAT 5307

Elastic Legendre Coefficients

53-I -121



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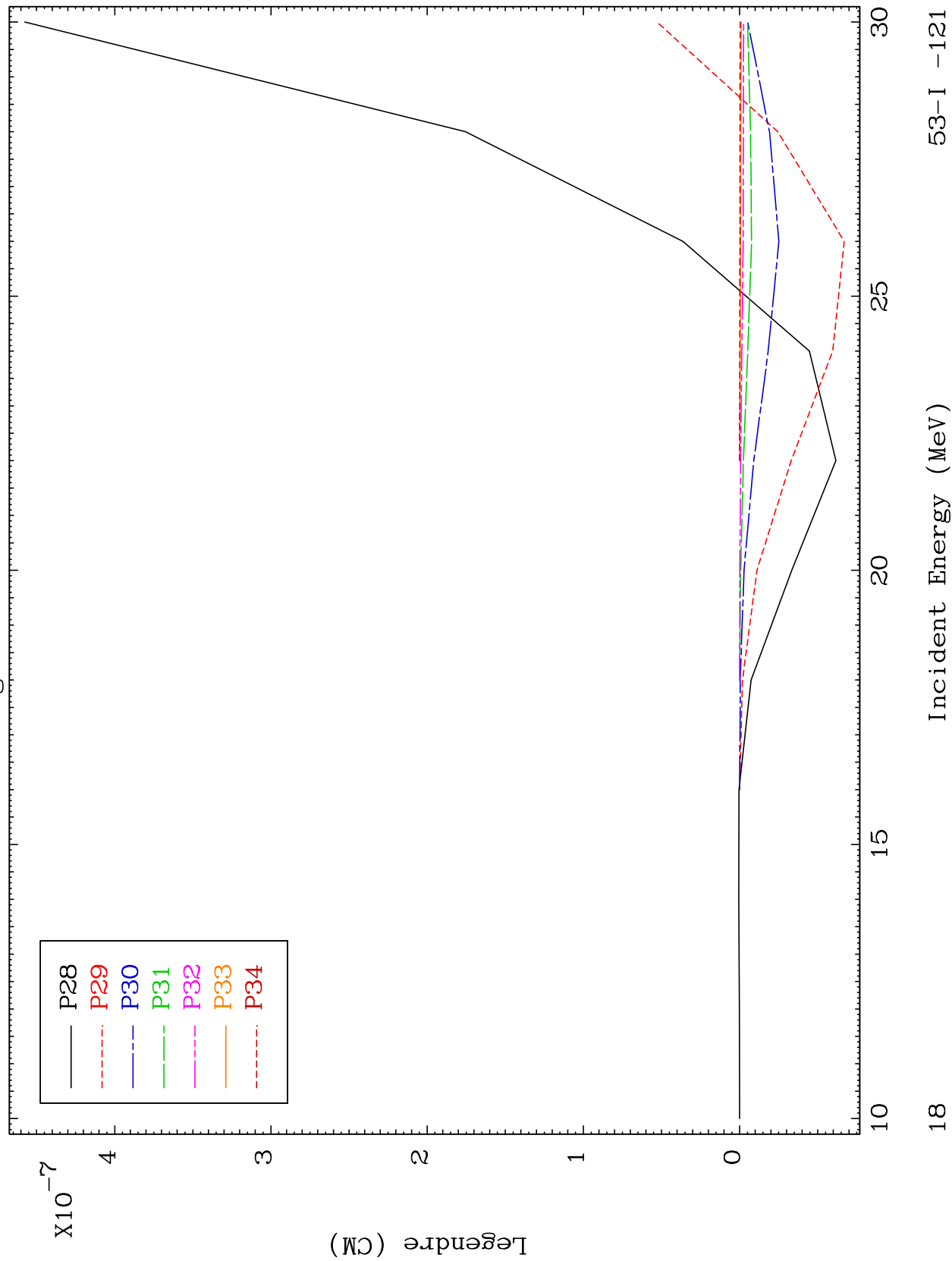
Incident Energy (MeV)

53-I -121

MAT 5307

Elastic Legendre Coefficients

53-I -121



18

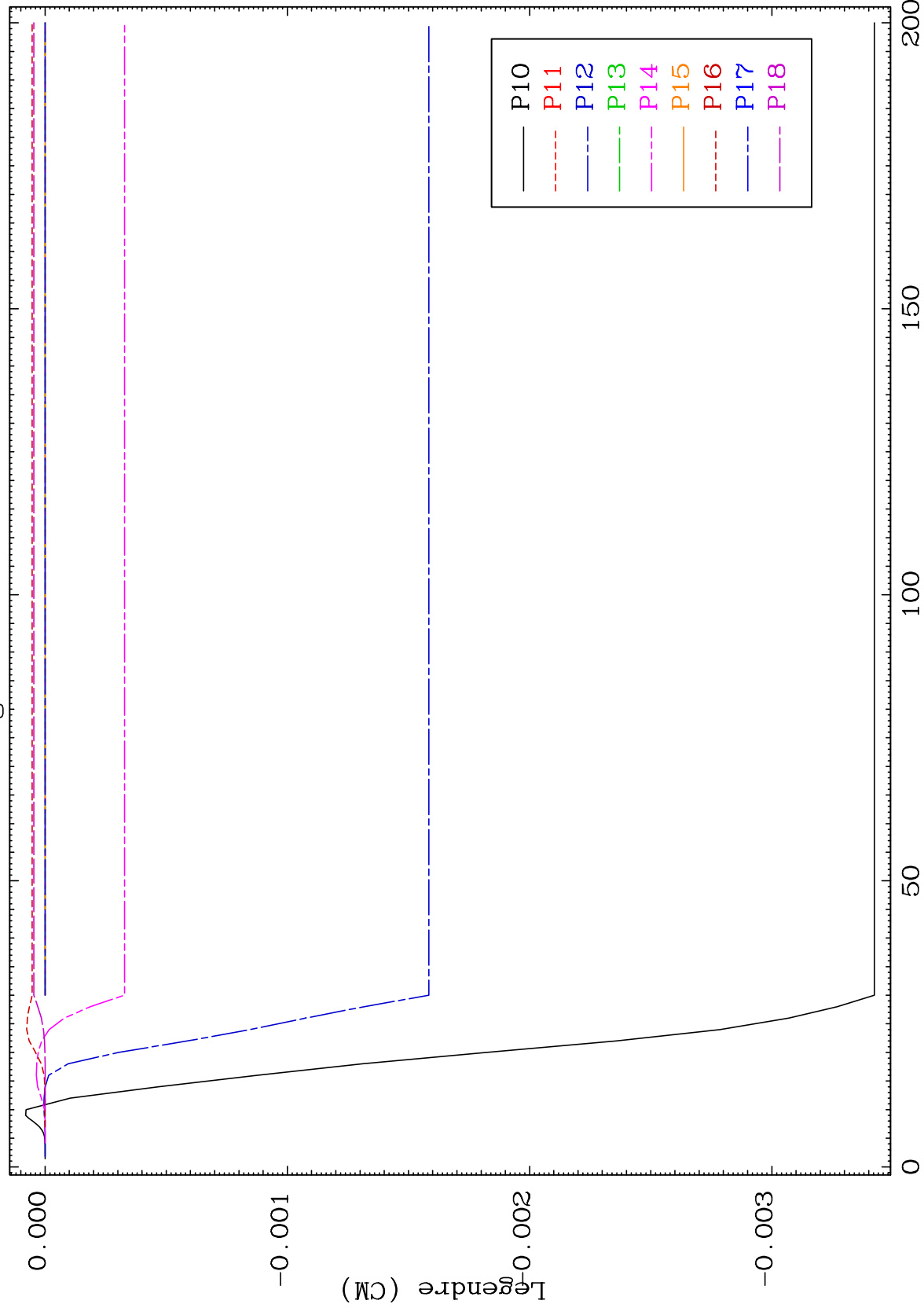
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



20

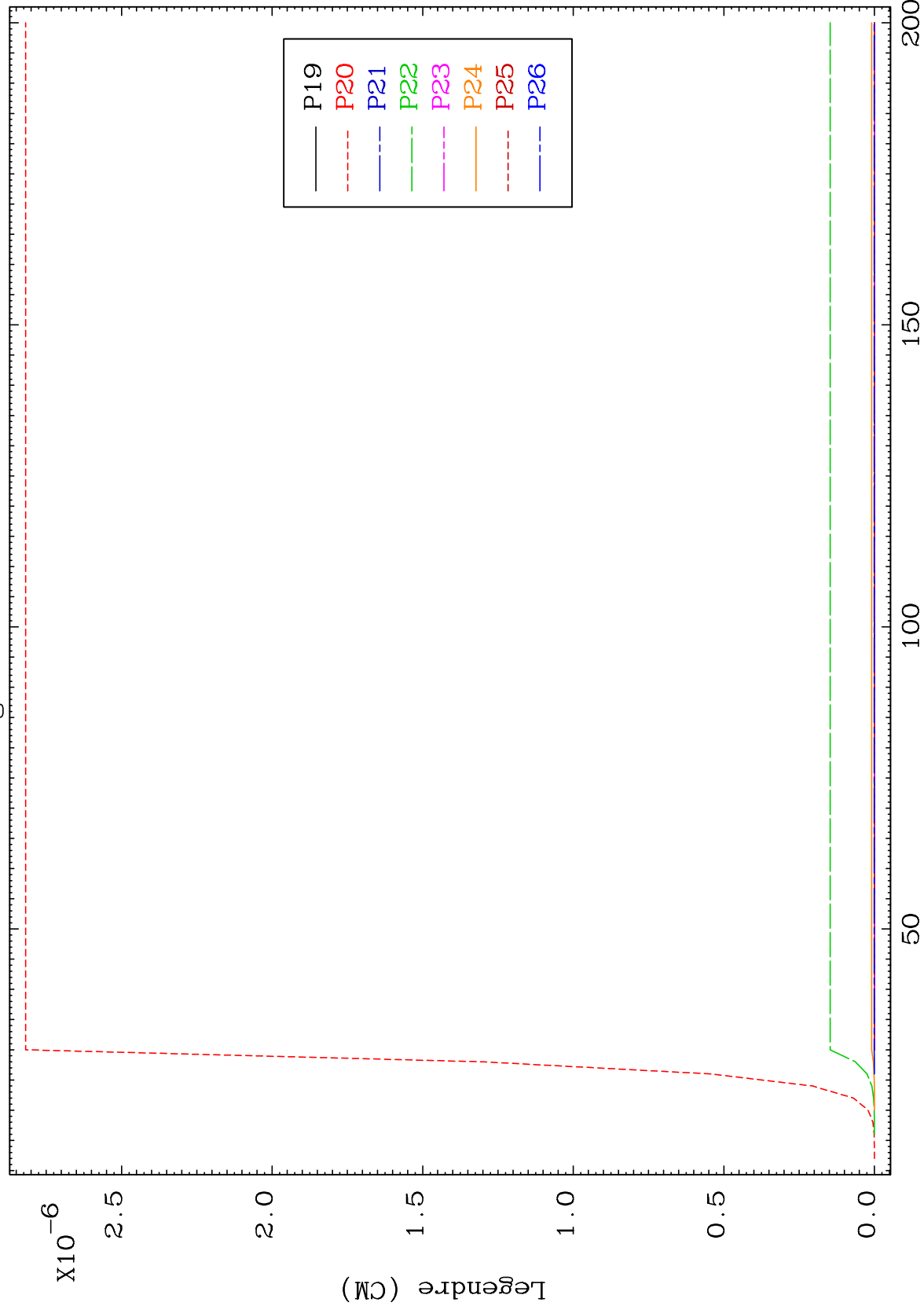
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



21

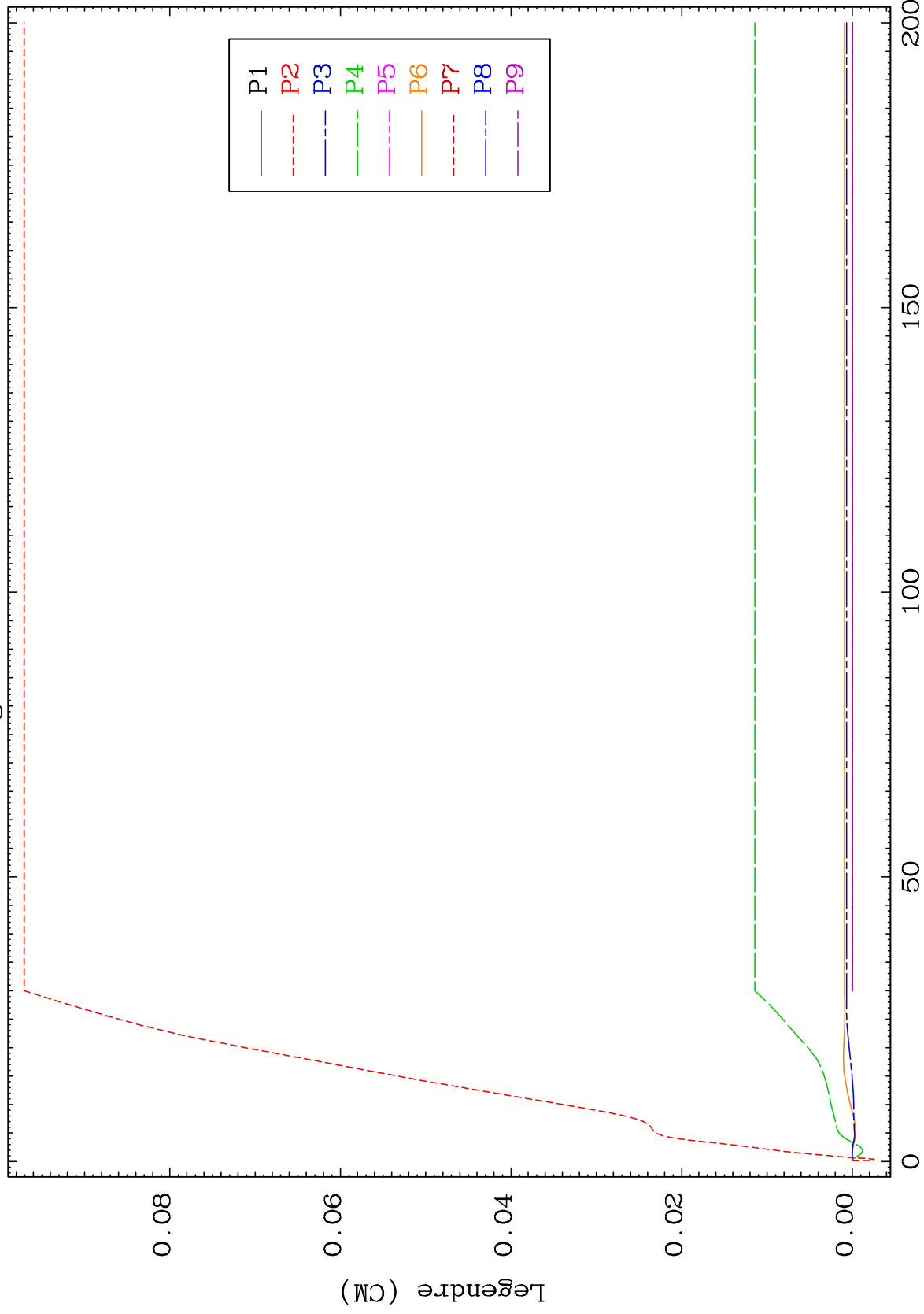
Incident Energy (MeV)

53-I -121

MAT 5307

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

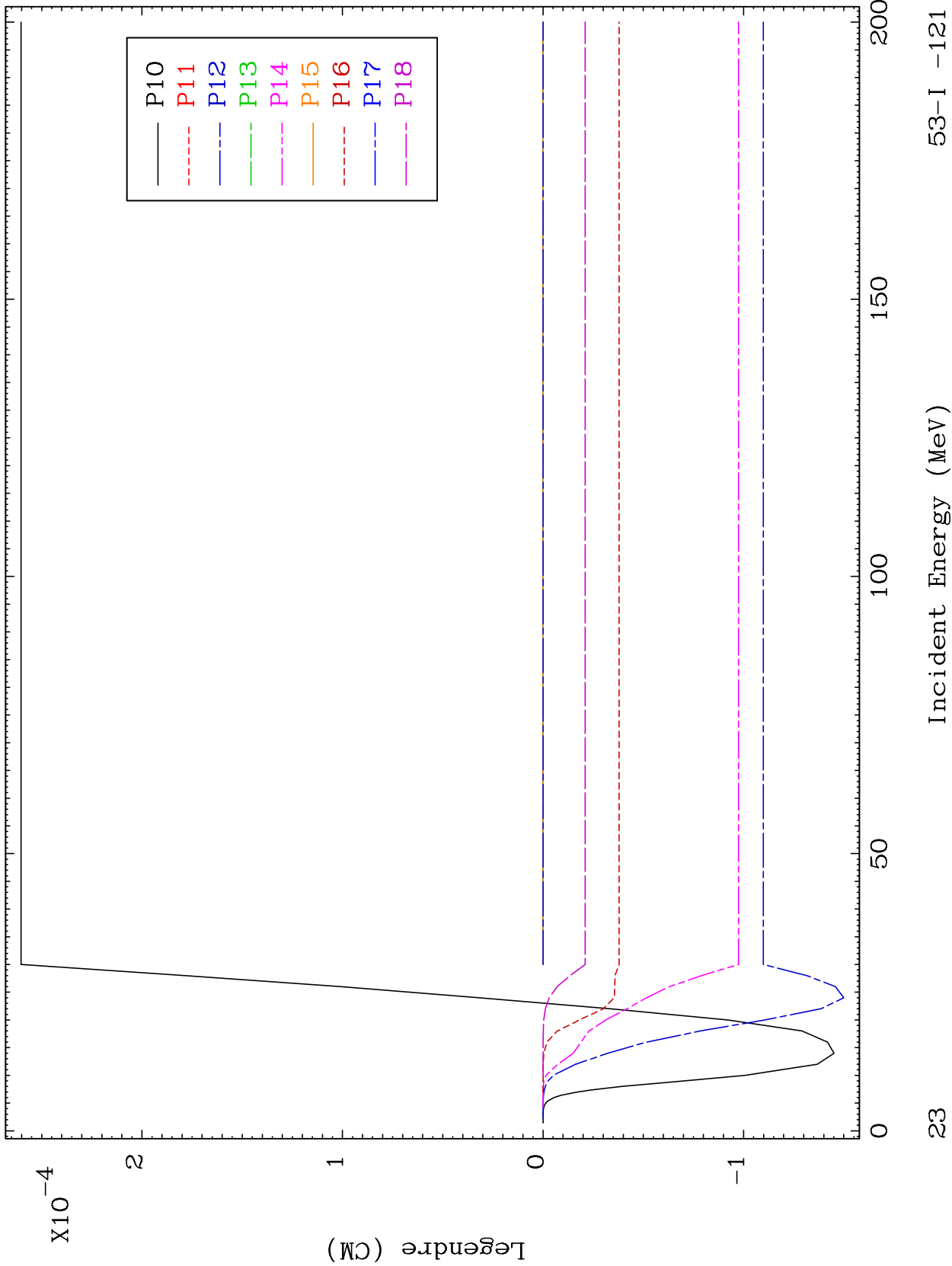
53-I -121



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Incident Energy (MeV)

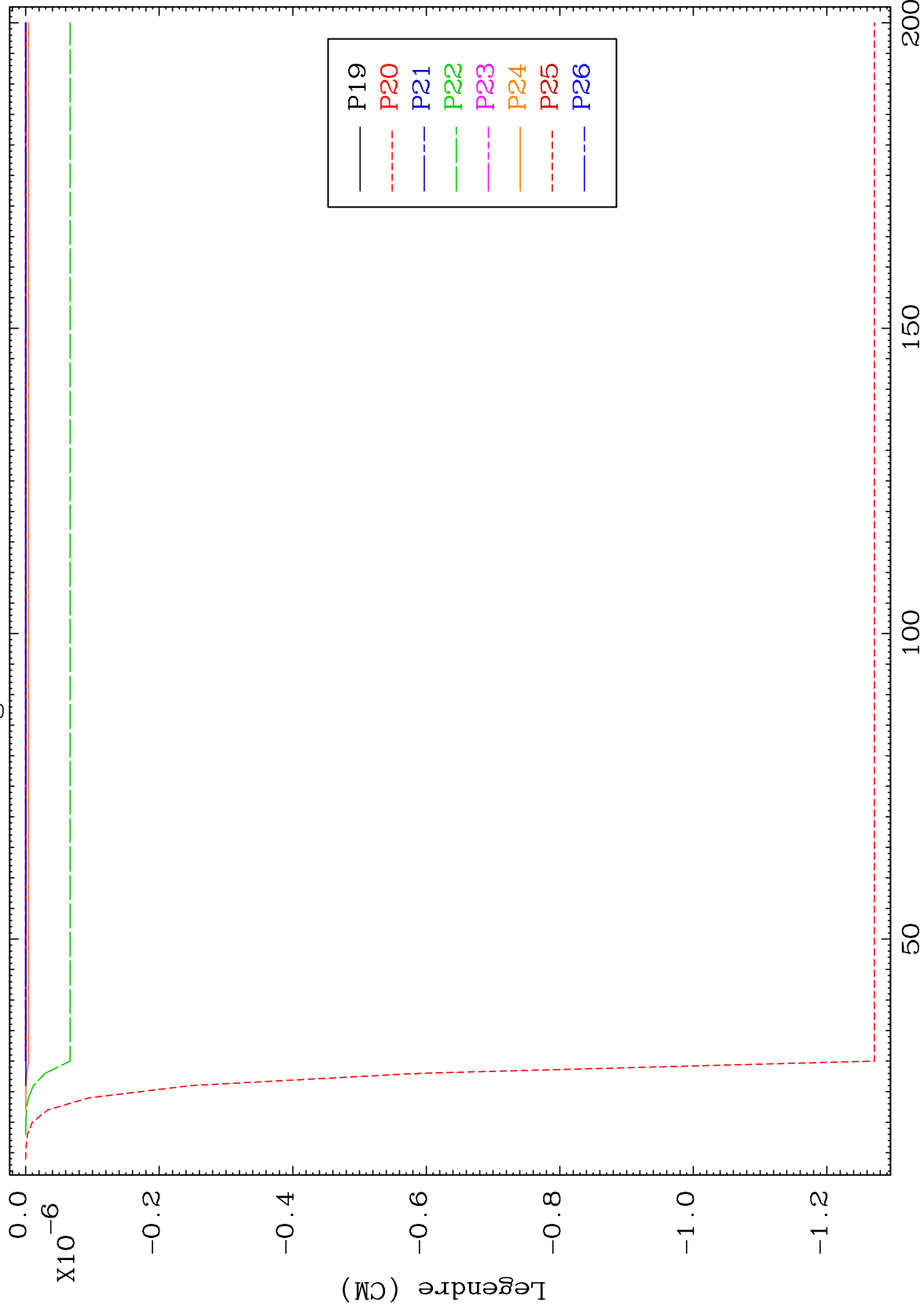
53-I -121



MAT 5307

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

53-I -121



24

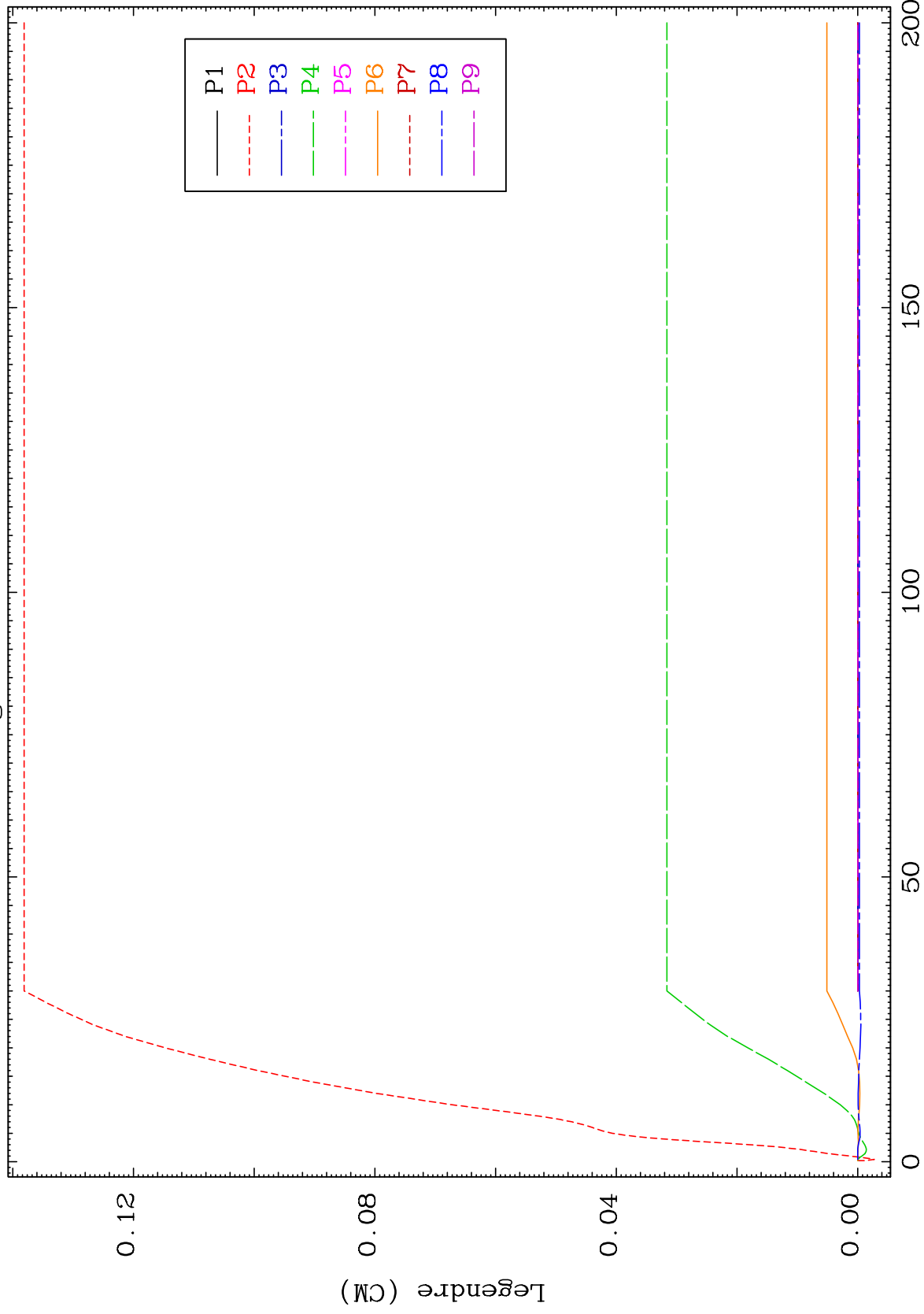
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



25

Incident Energy (MeV)

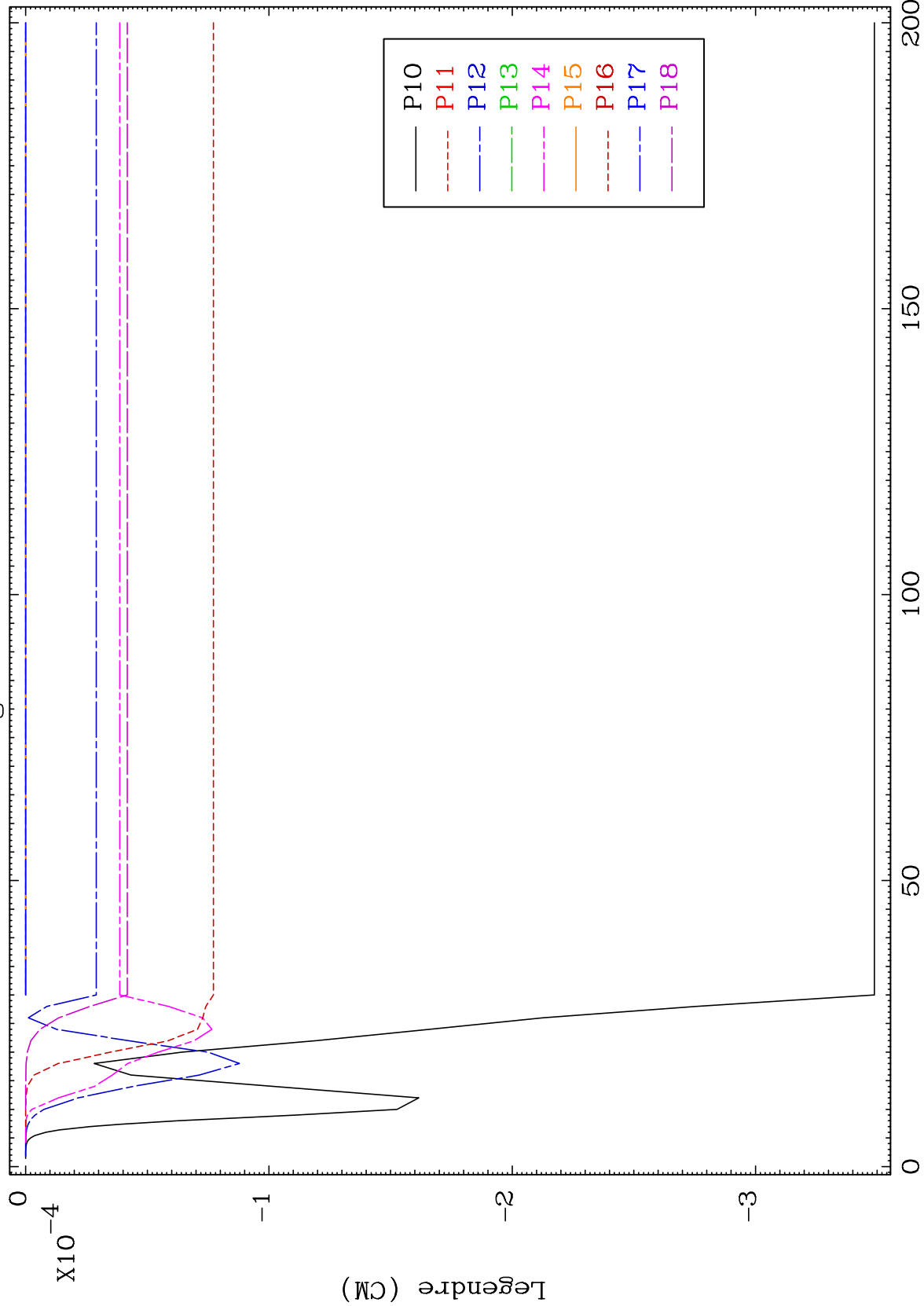
53-I -121

MAT 5307

MT= 53 (n,n') Level

53-I -121

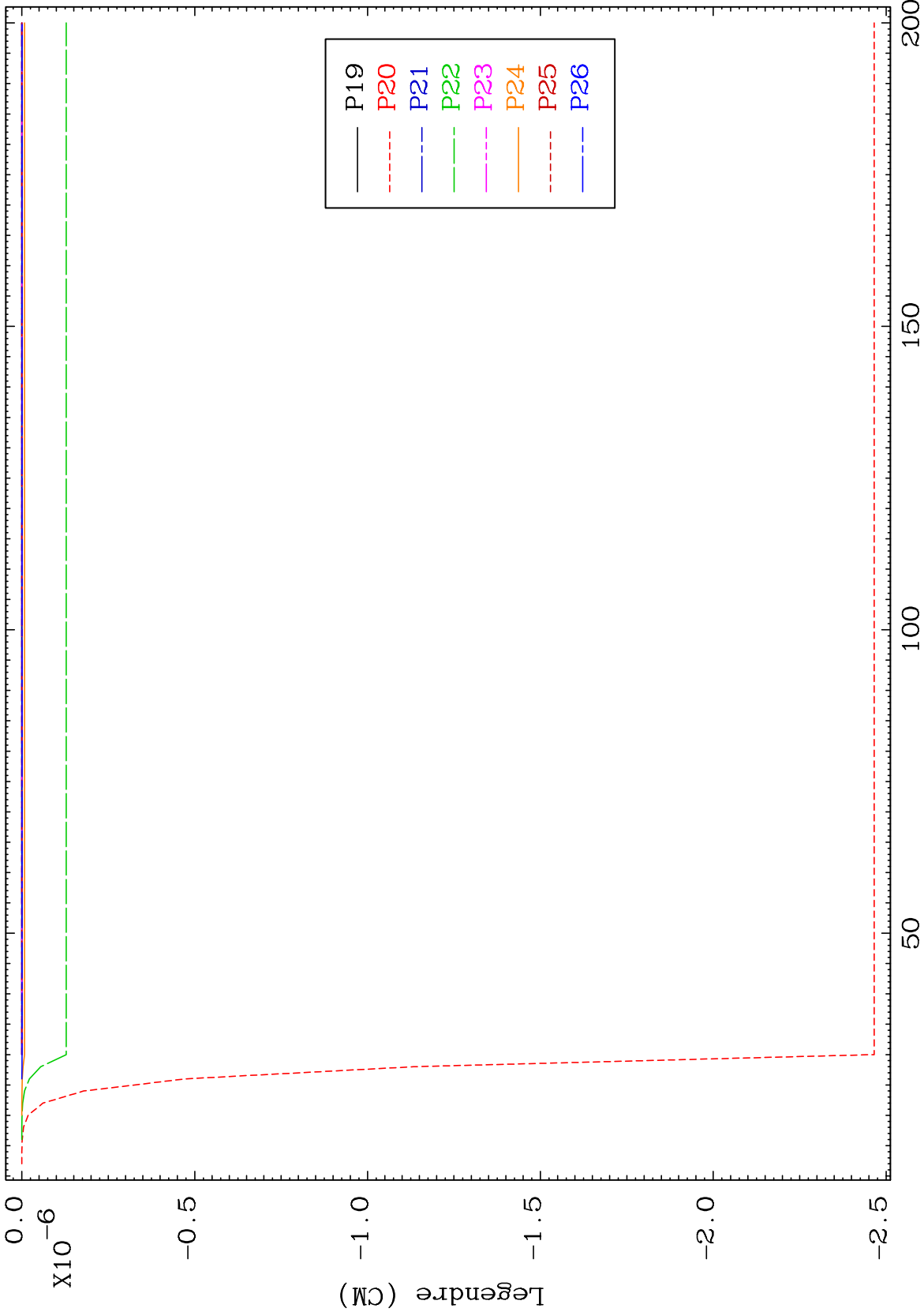
Legendre Coefficients



26

Incident Energy (MeV)

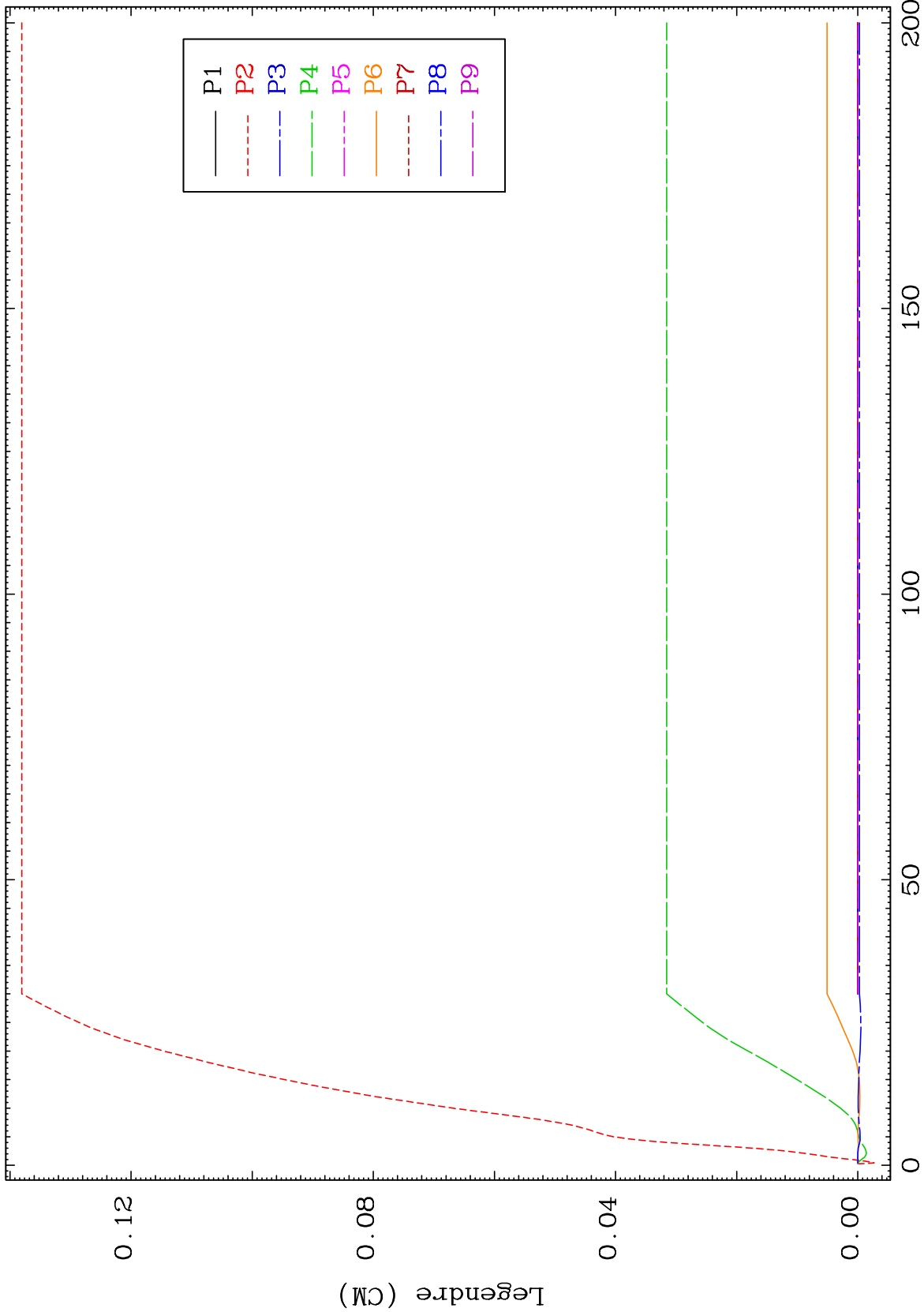
53-I -121



MAT 5307

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

53-I -121



28

Incident Energy (MeV)

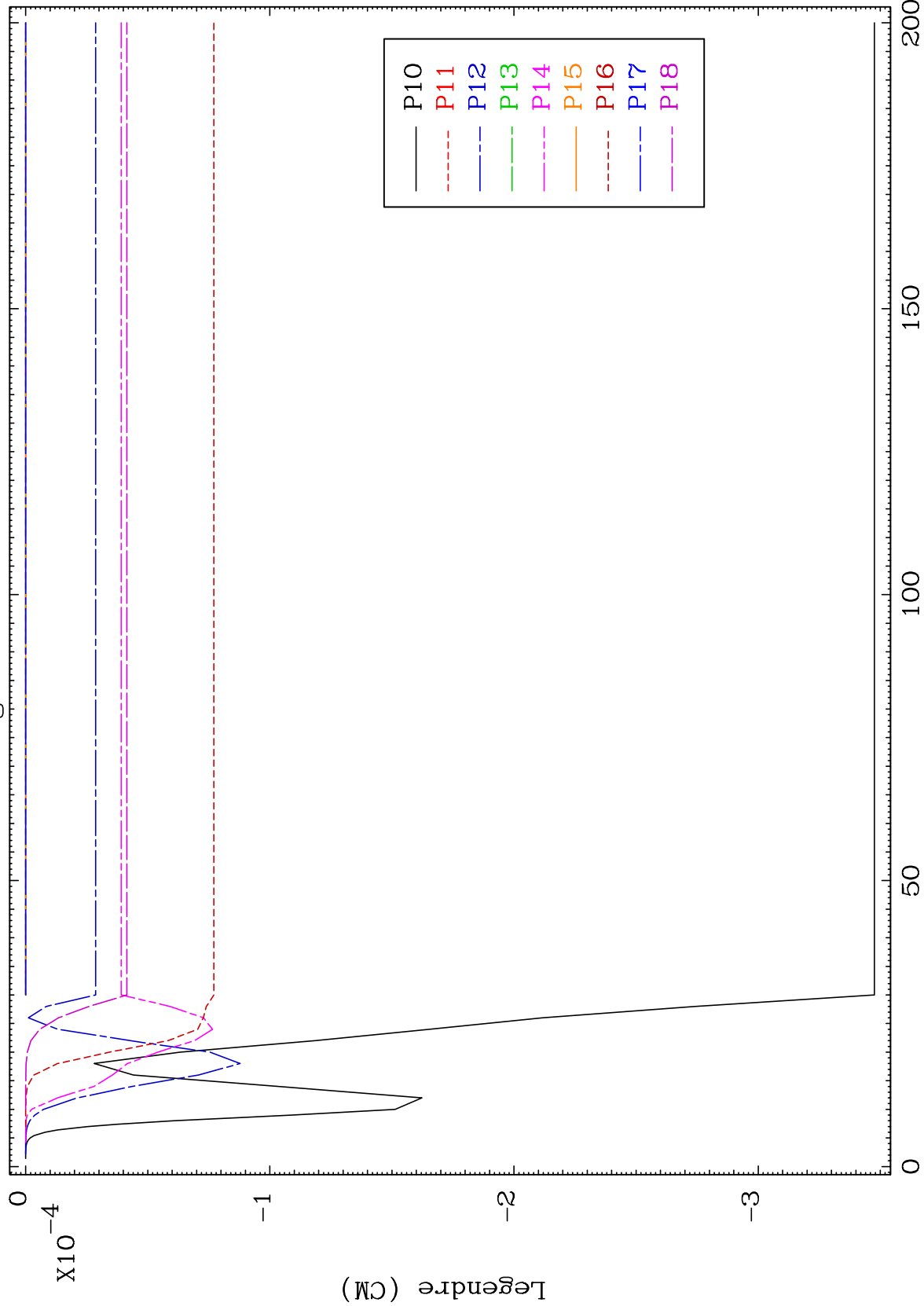
53-I -121

MAT 5307

MT= 54 (n,n') Level

53-I -121

Legendre Coefficients



29

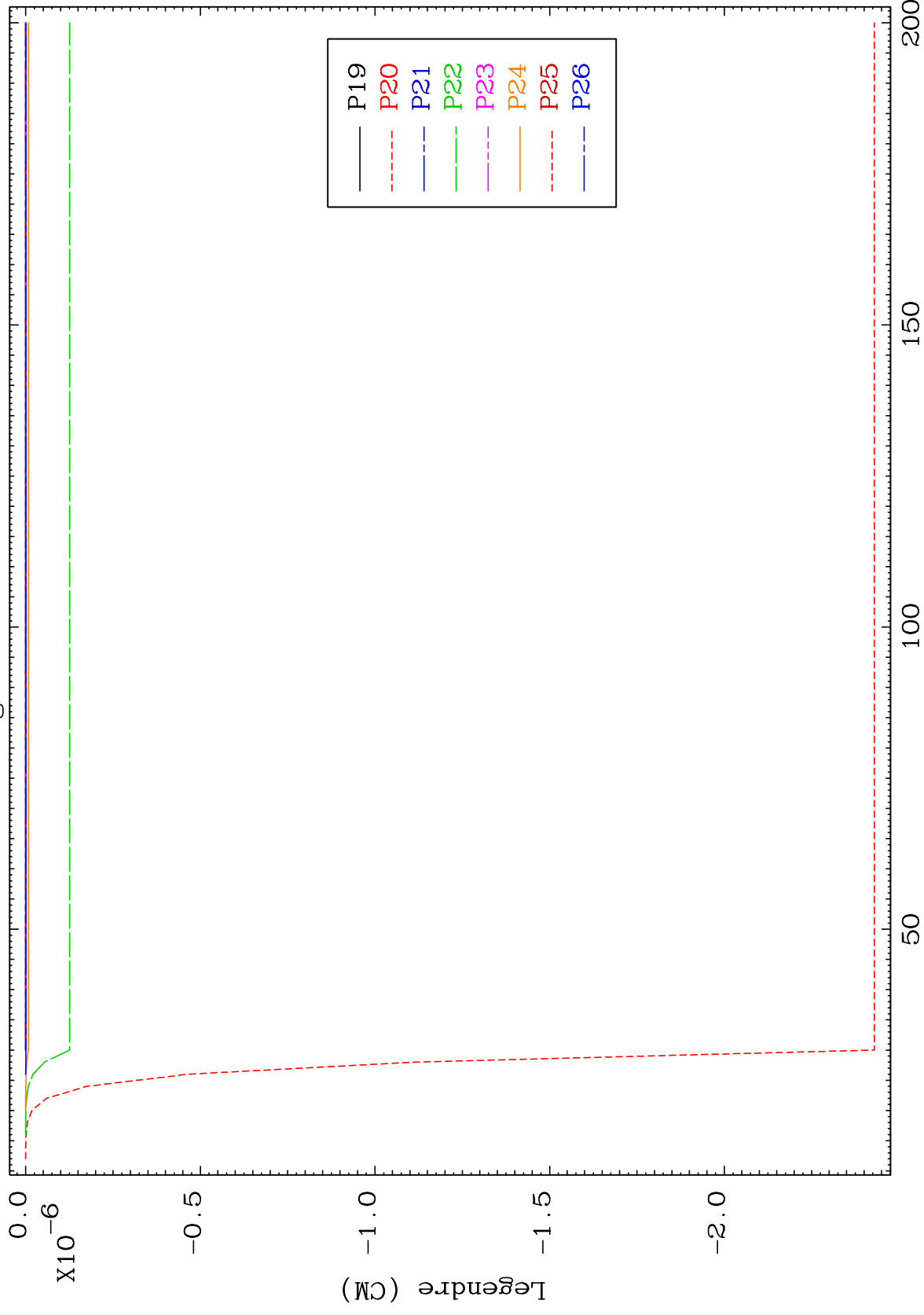
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



30

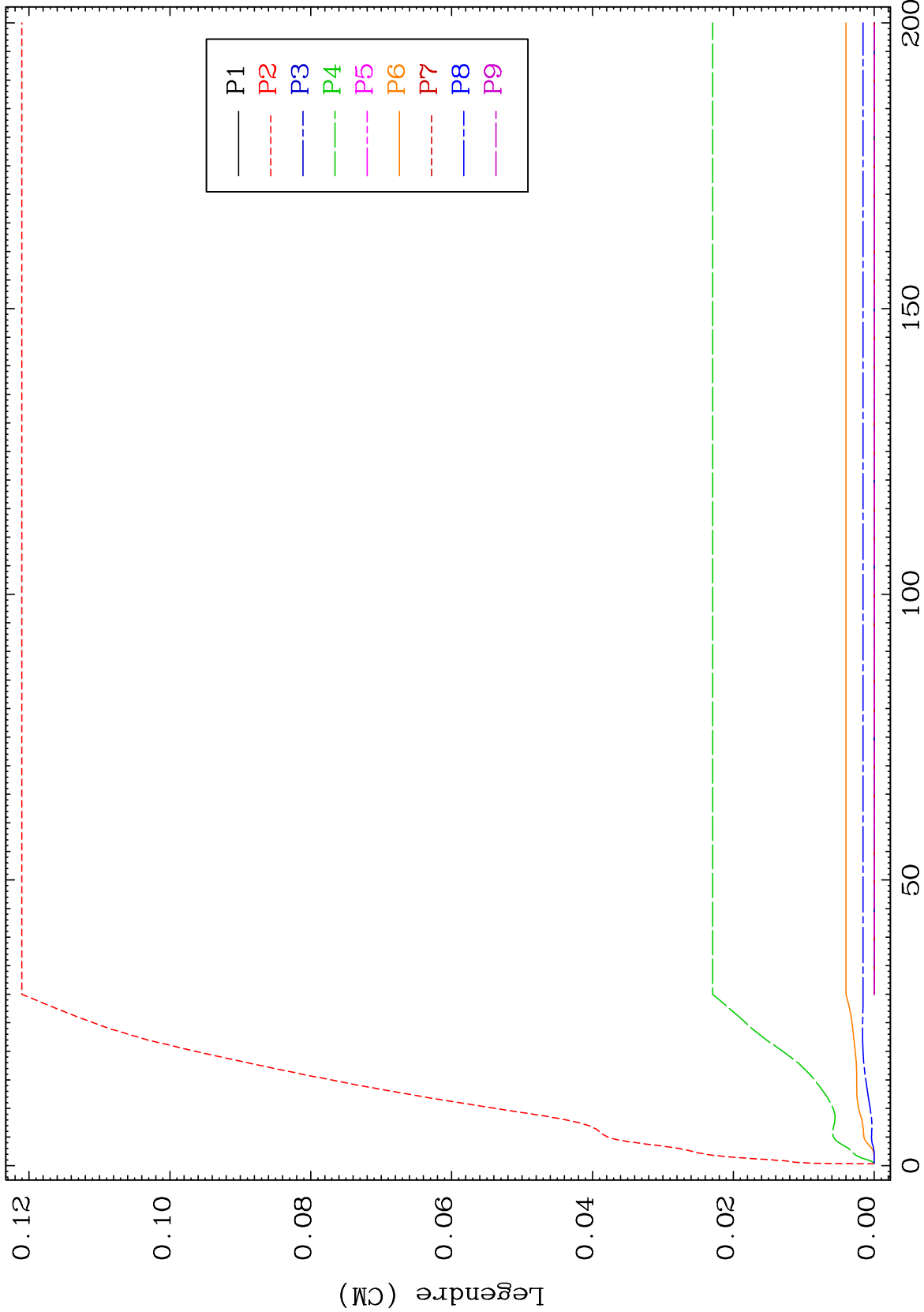
Incident Energy (MeV)

53-I -121

MAT 5307

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

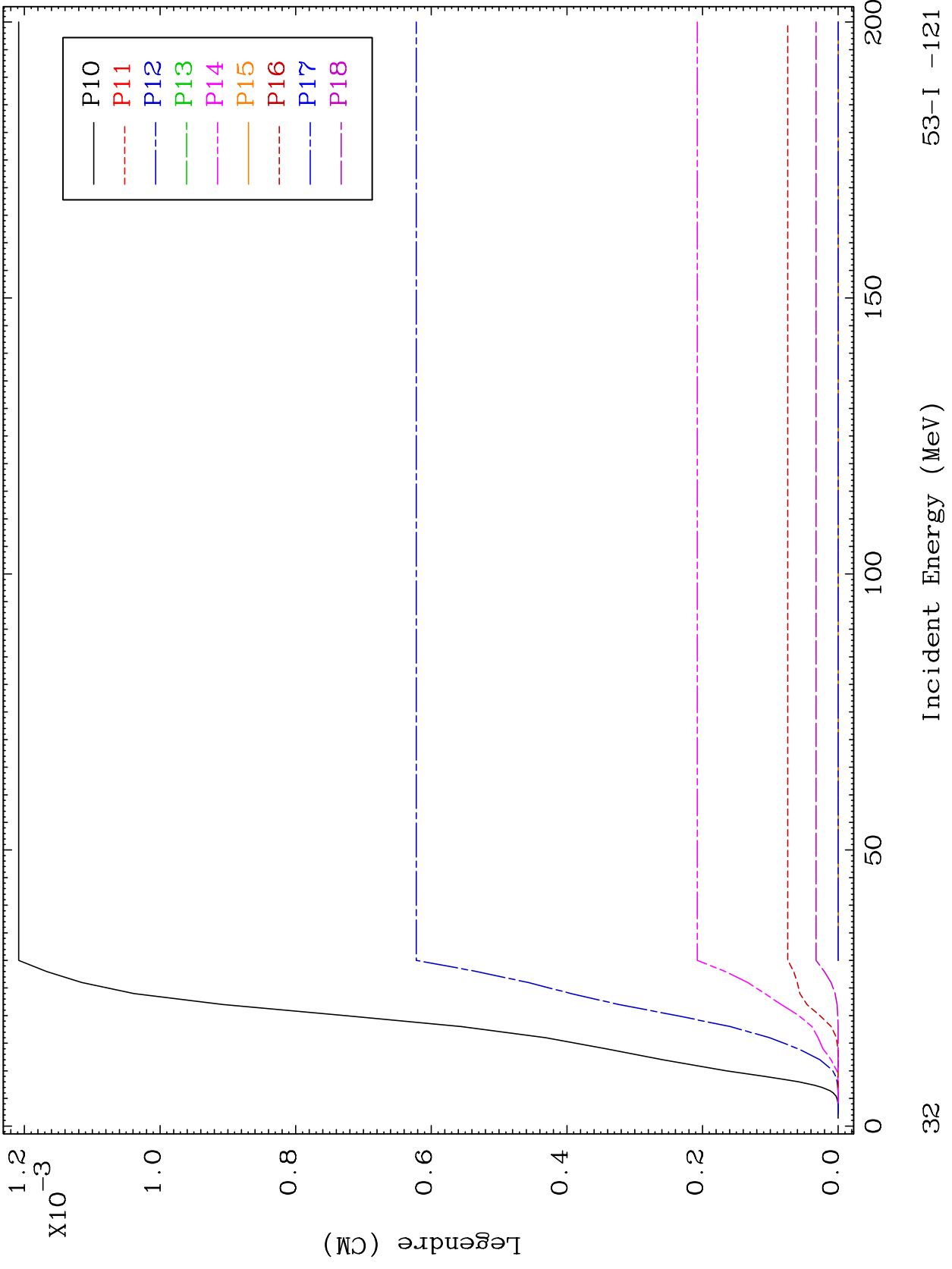
53-I -121



31

Incident Energy (MeV)

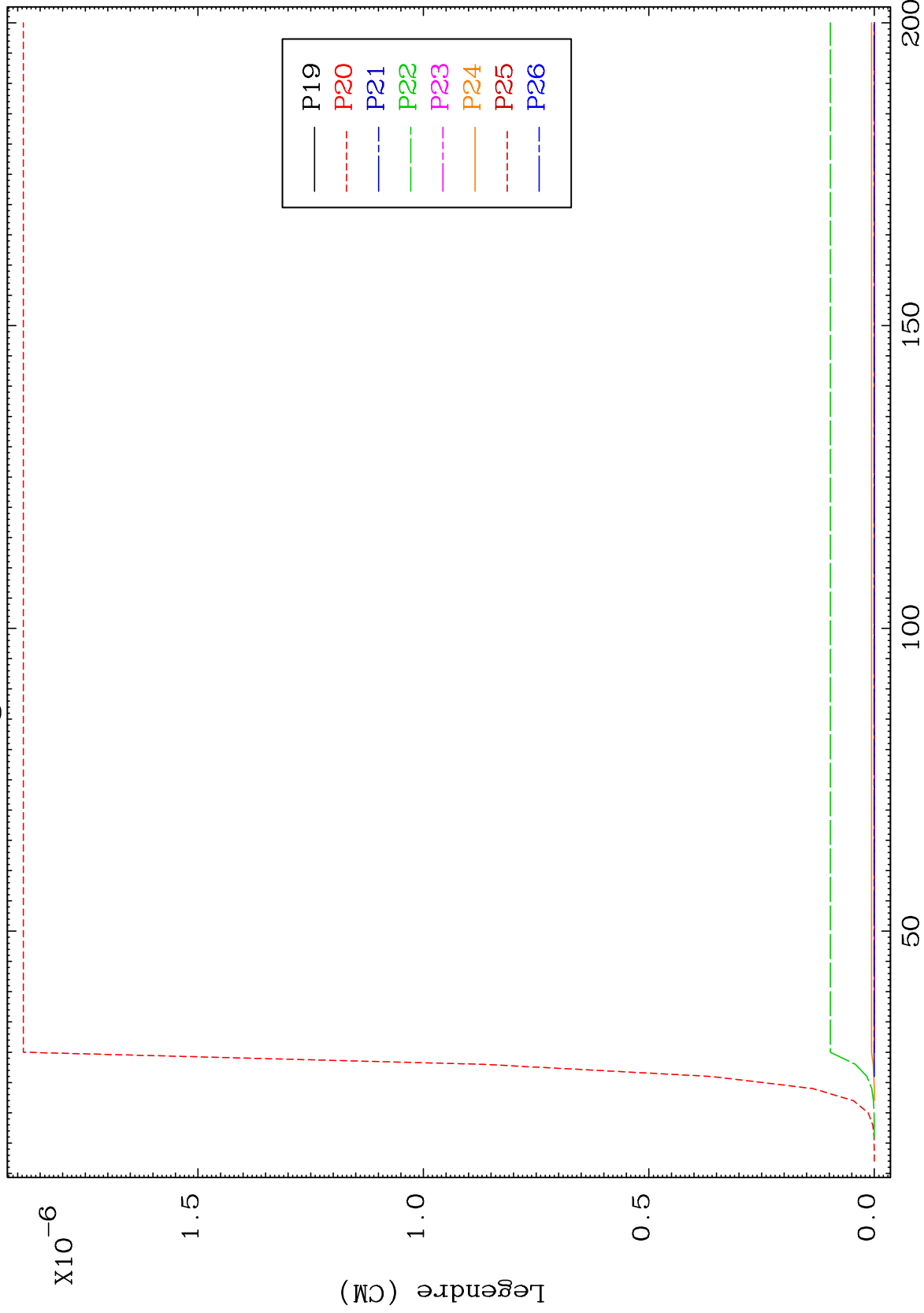
53-I -121



MAT 5307

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

53-I -121



33

Incident Energy (MeV)

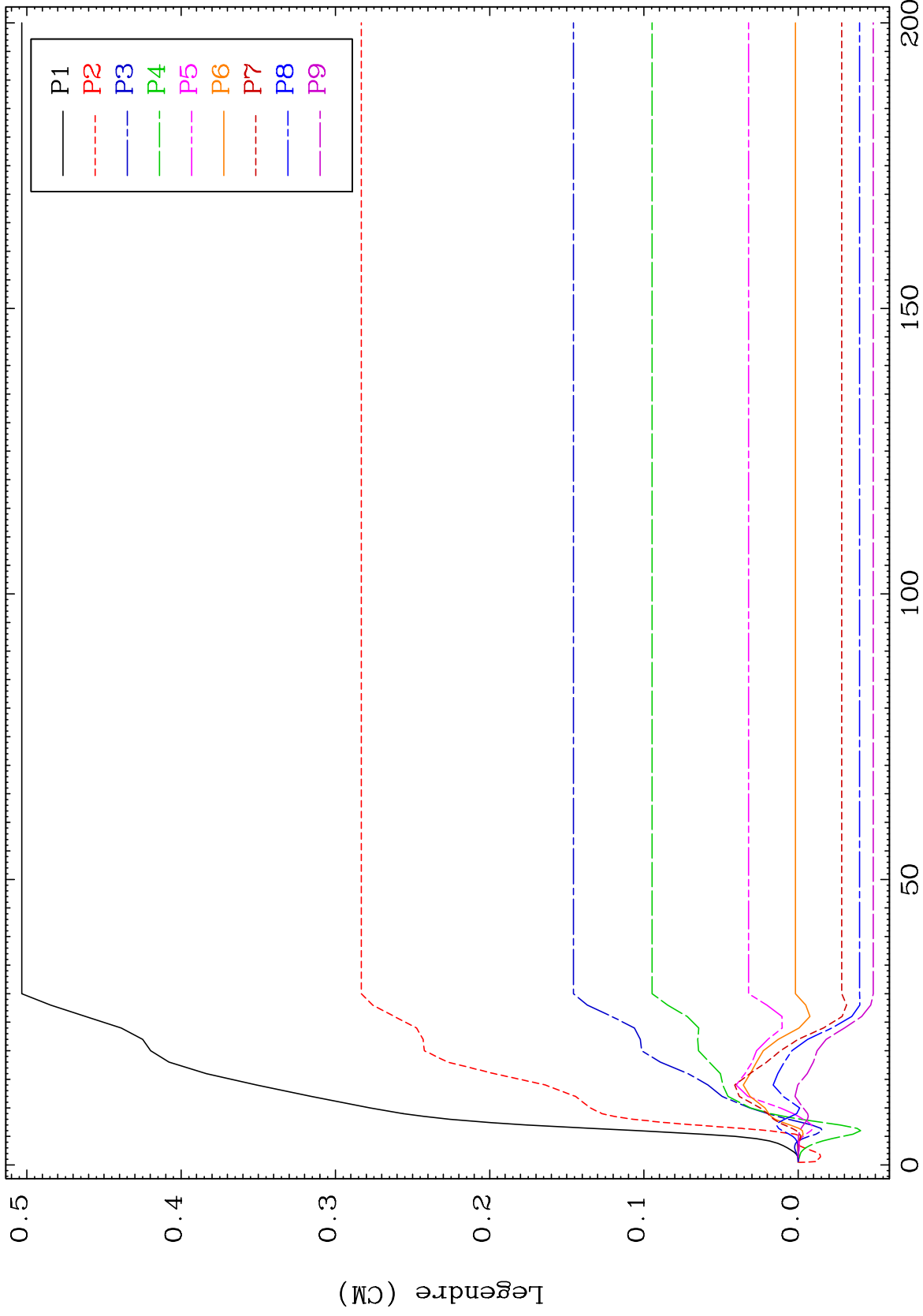
53-I -121

MAT 5307

MT= 56 (n,n') Level

53-I -121

Legendre Coefficients



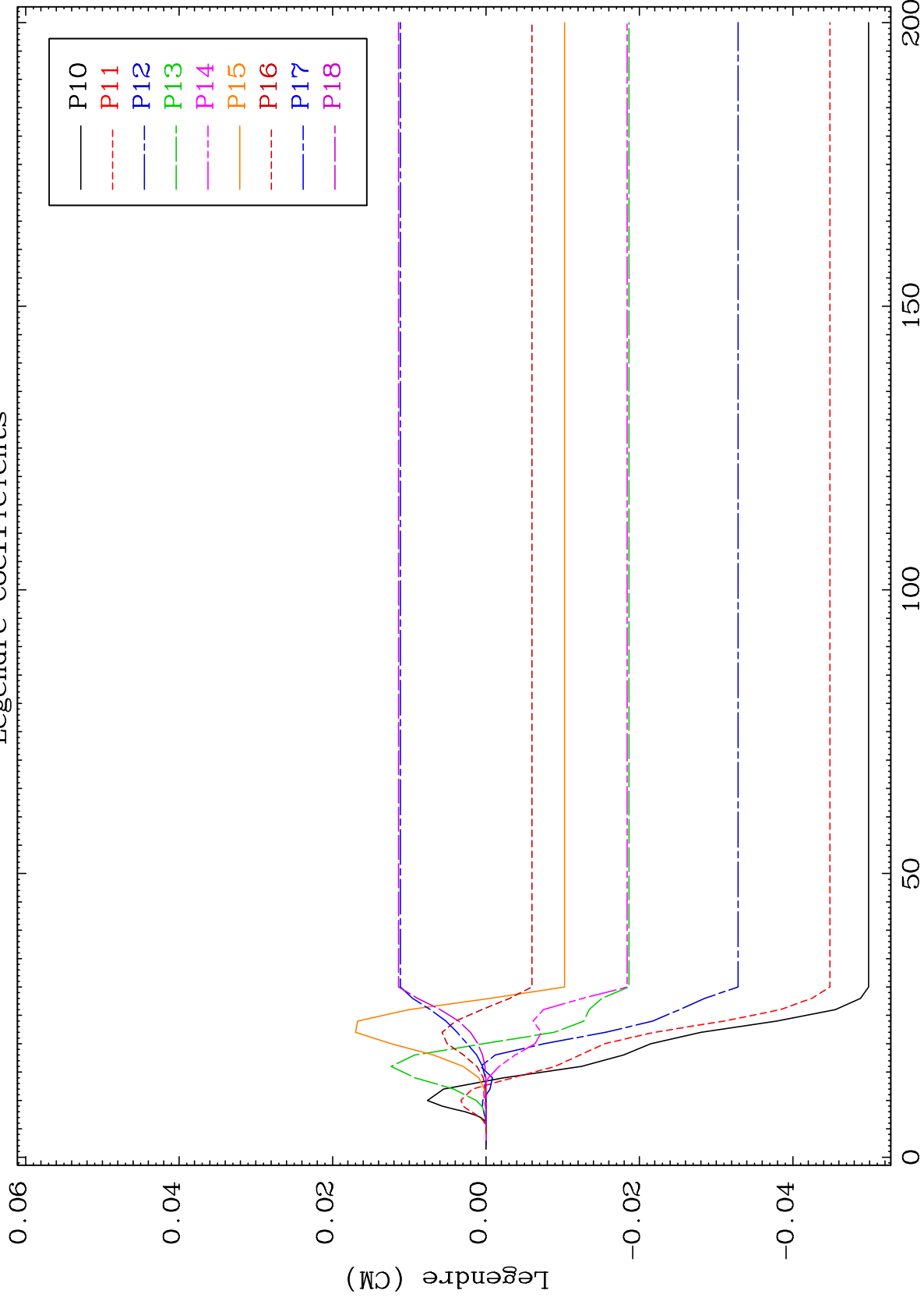
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53-I -121

MAT 5307

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

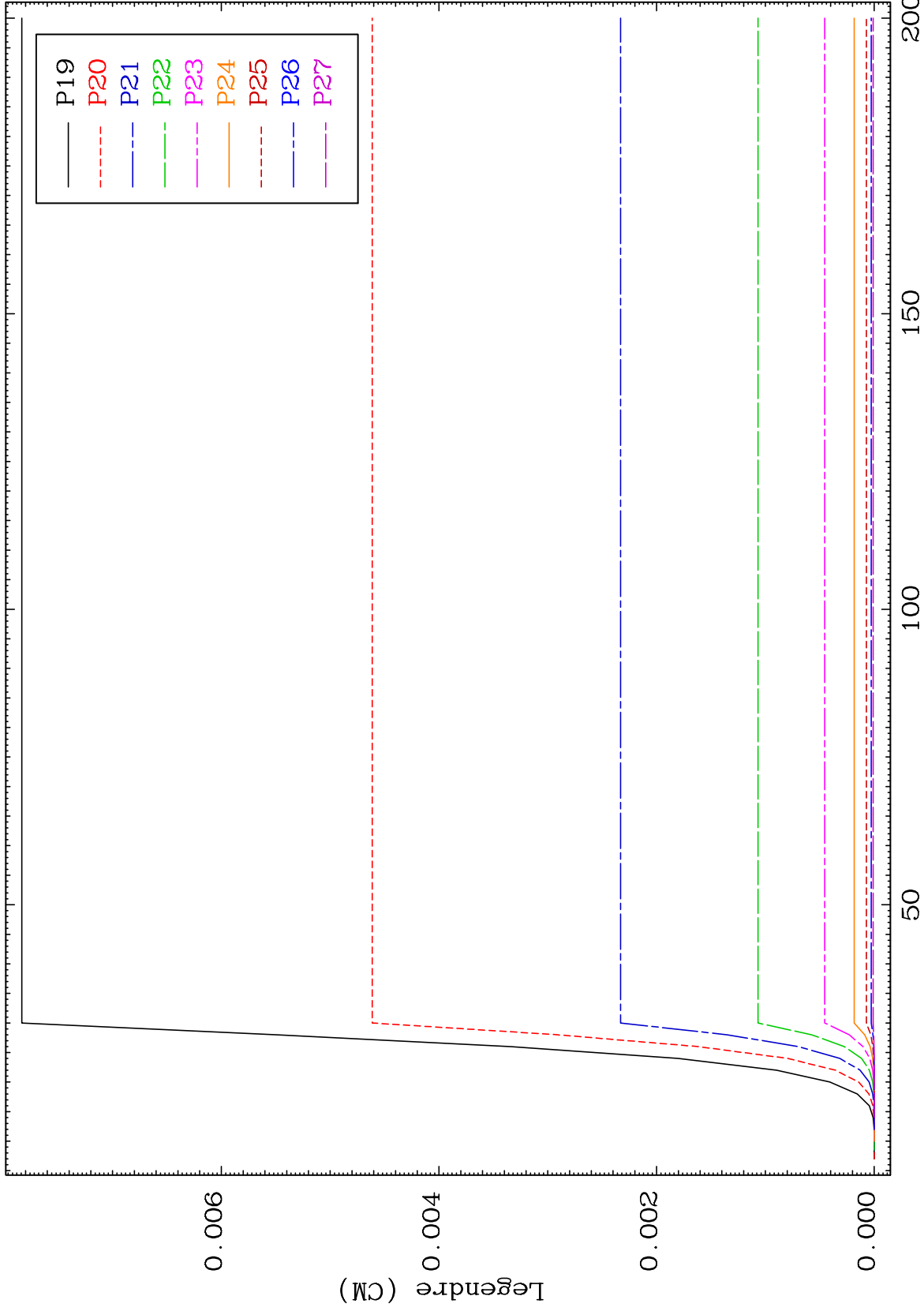
53-I -121



35

Incident Energy (MeV)

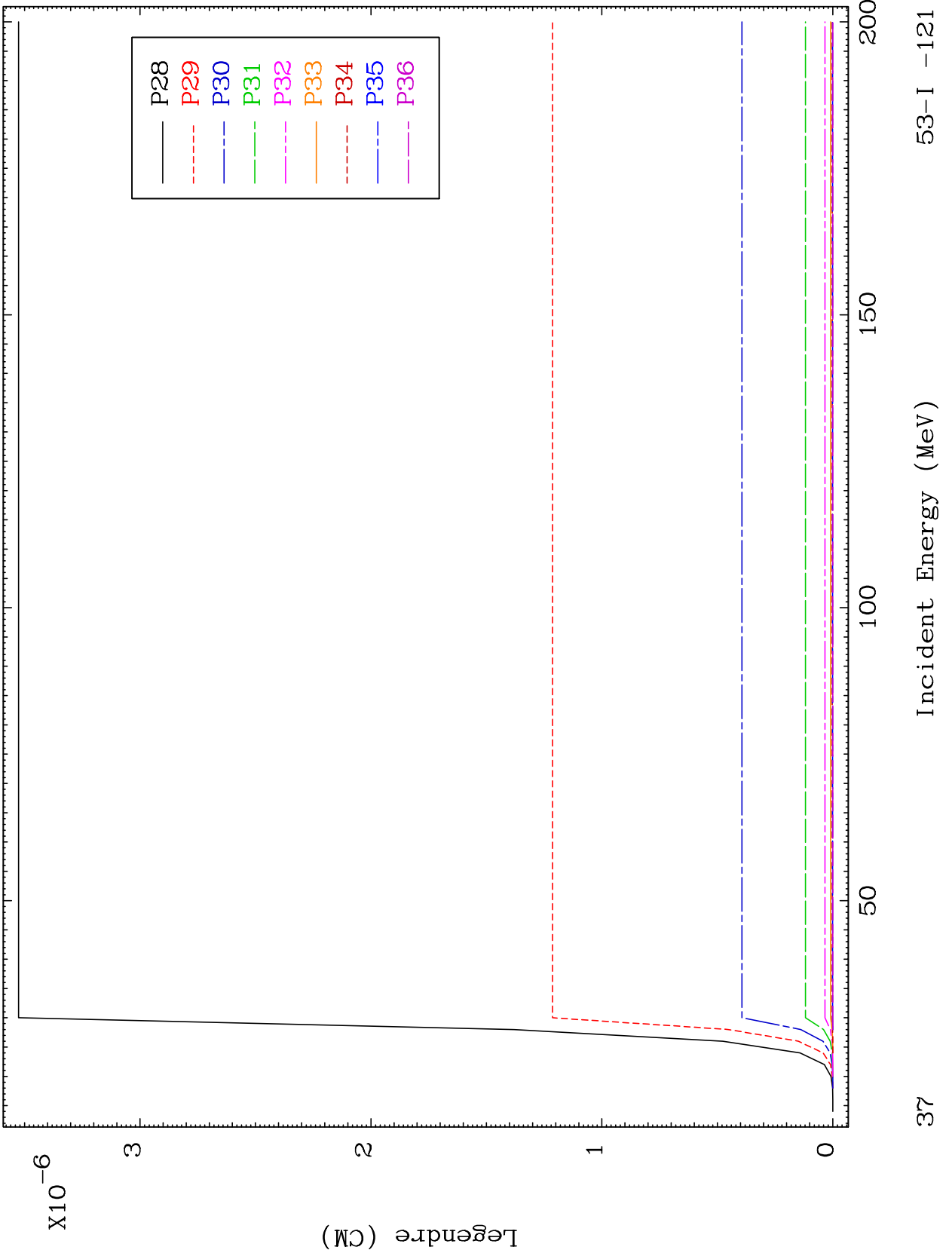
53-I -121



MAT 5307

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

53-I -121



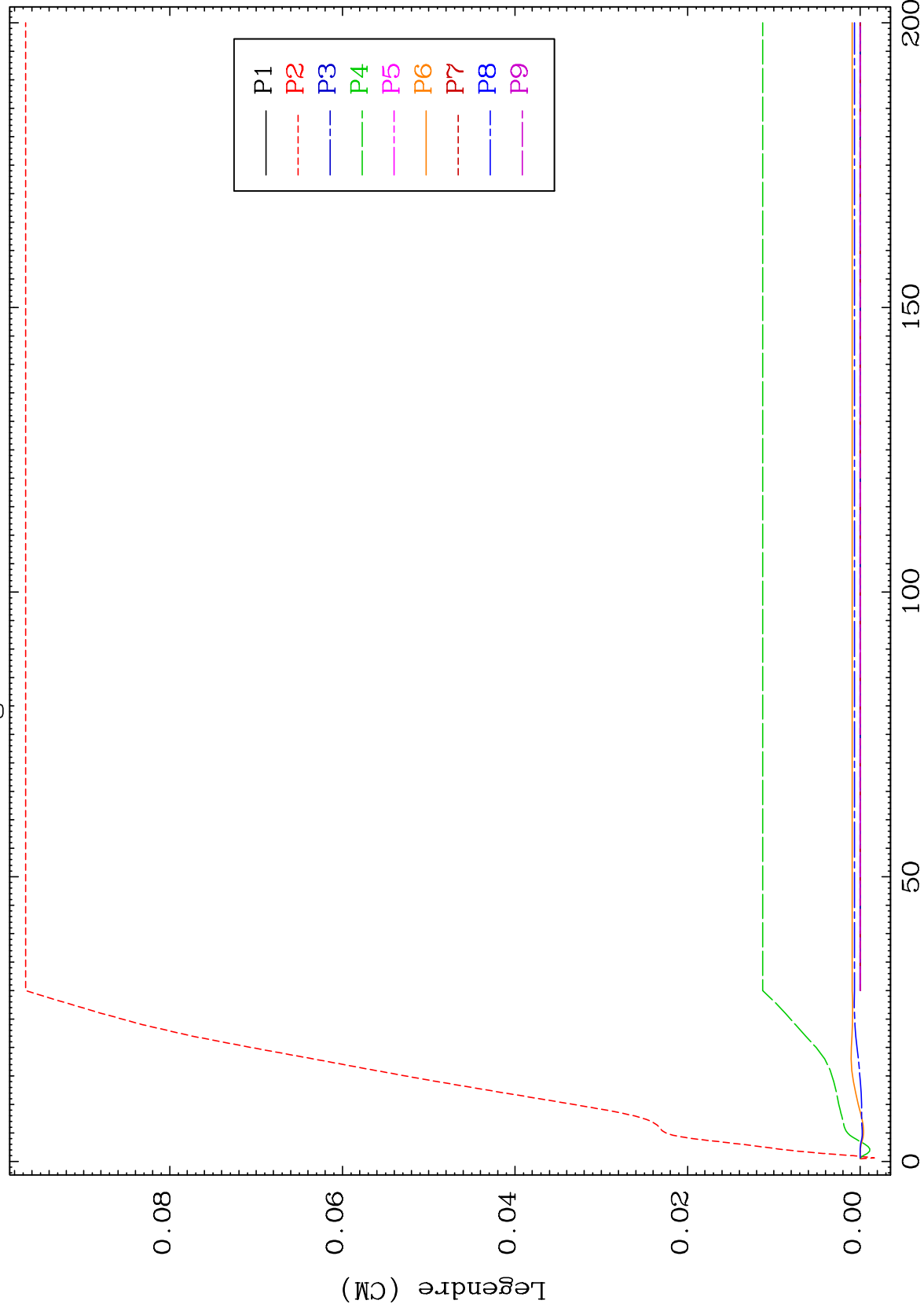
37

53-I -121

MAT 5307

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

53-I -121



53-I -121

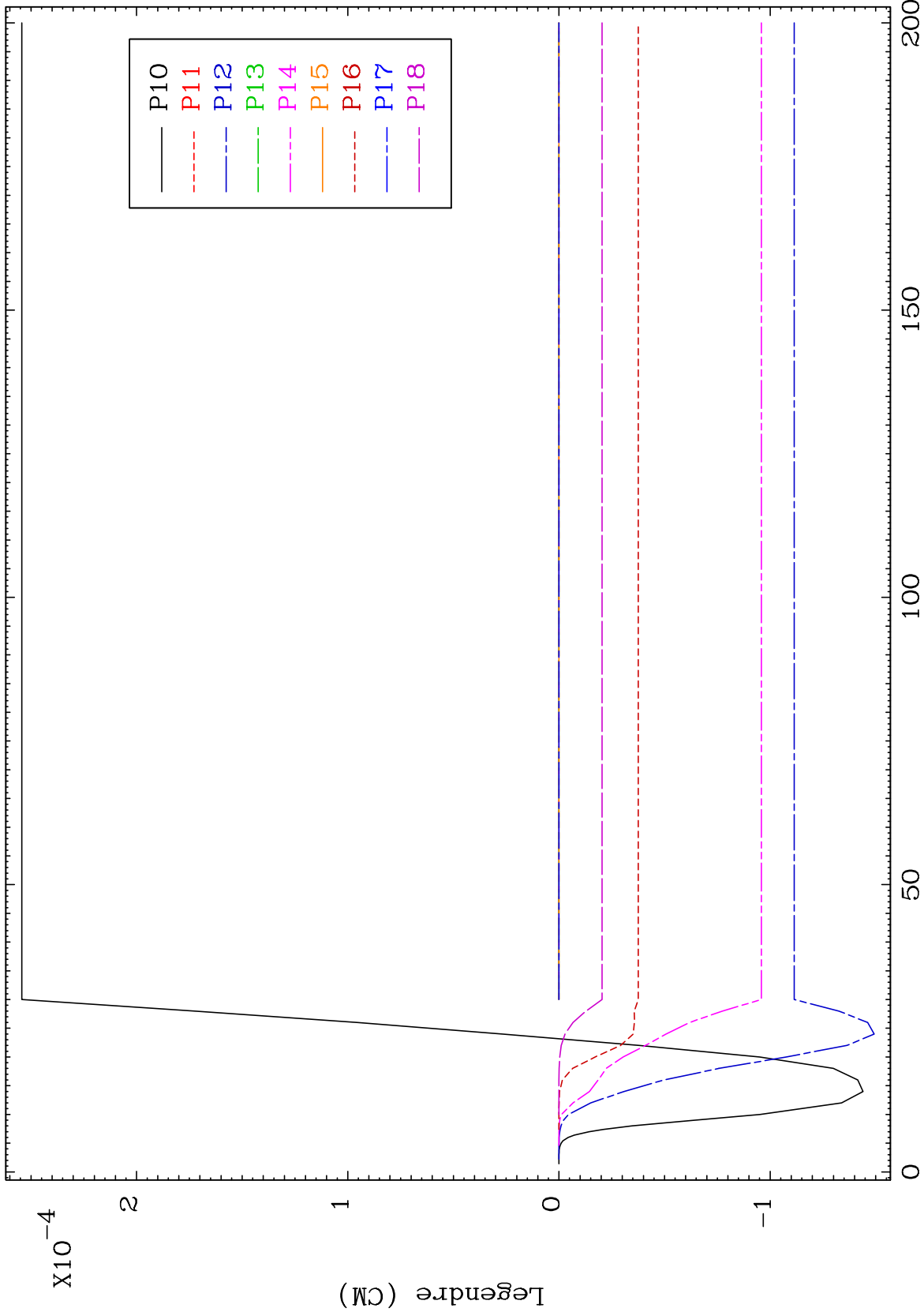
Incident Energy (MeV)

38

MAT 5307

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

53-I -121



39

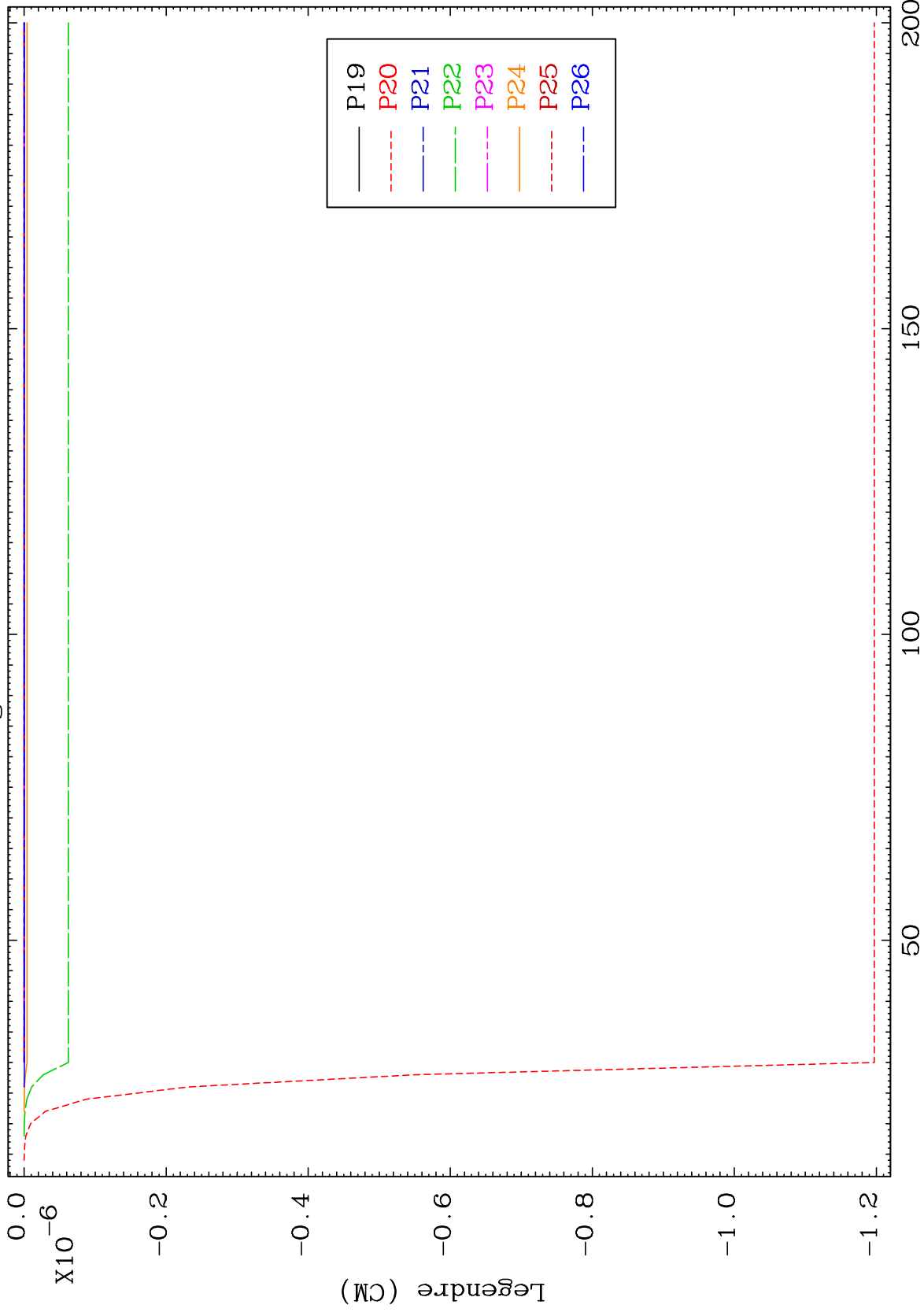
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



40

Incident Energy (MeV)

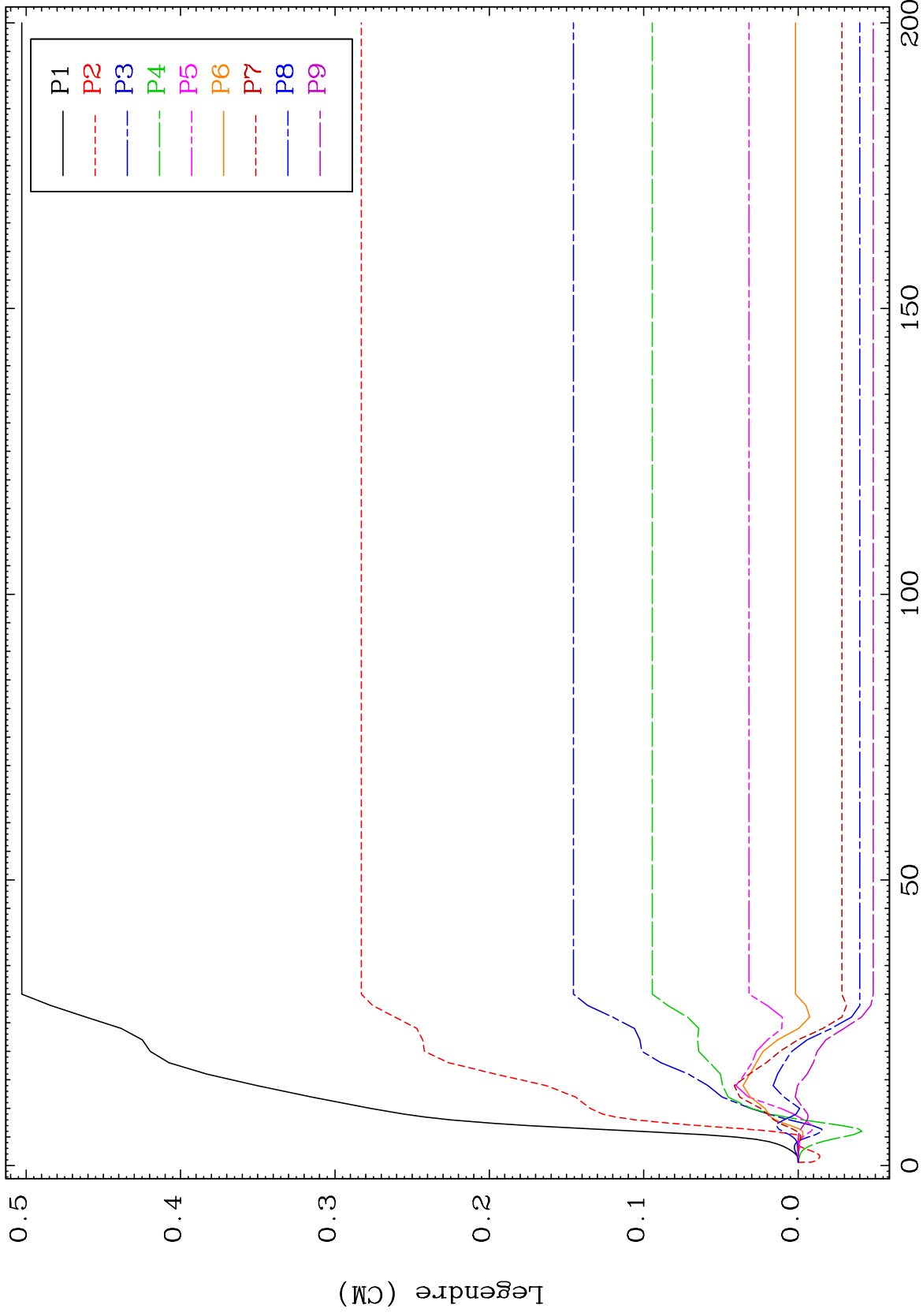
53-I -121

MAT 5307

MT= 58 (n,n') Level

53-I -121

Legendre Coefficients



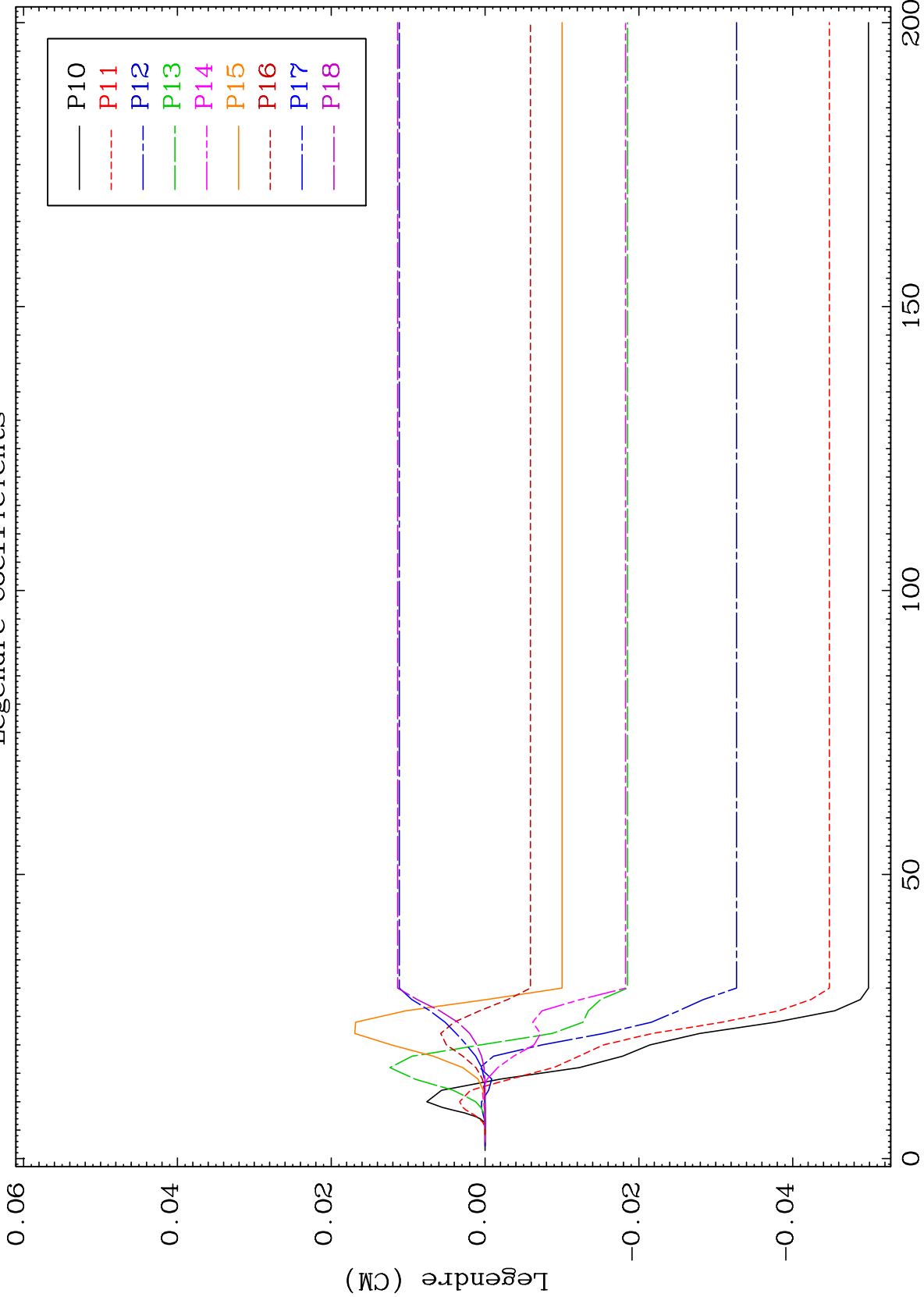
41

53-I -121

MAT 5307

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

53-I -121



42

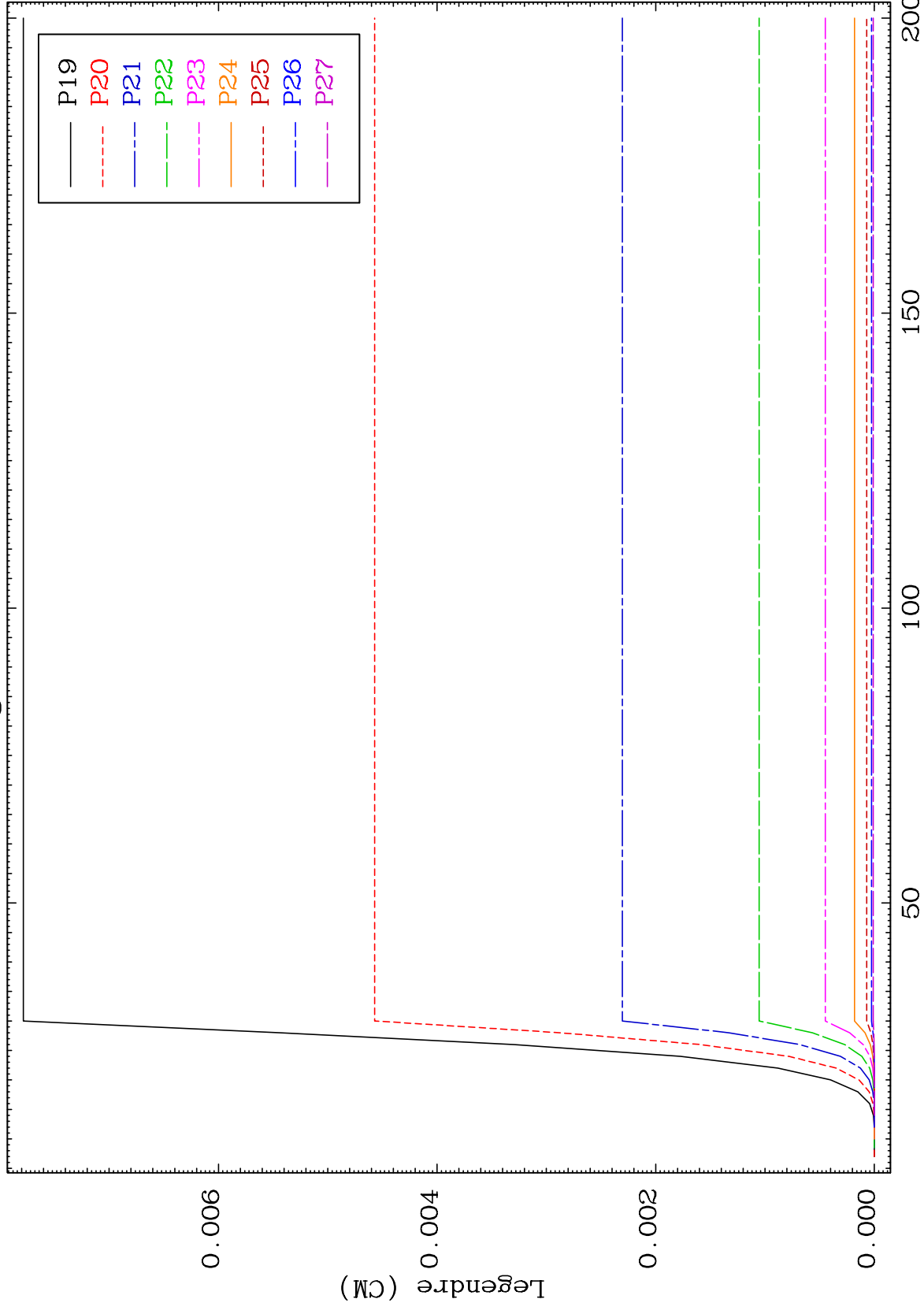
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



43

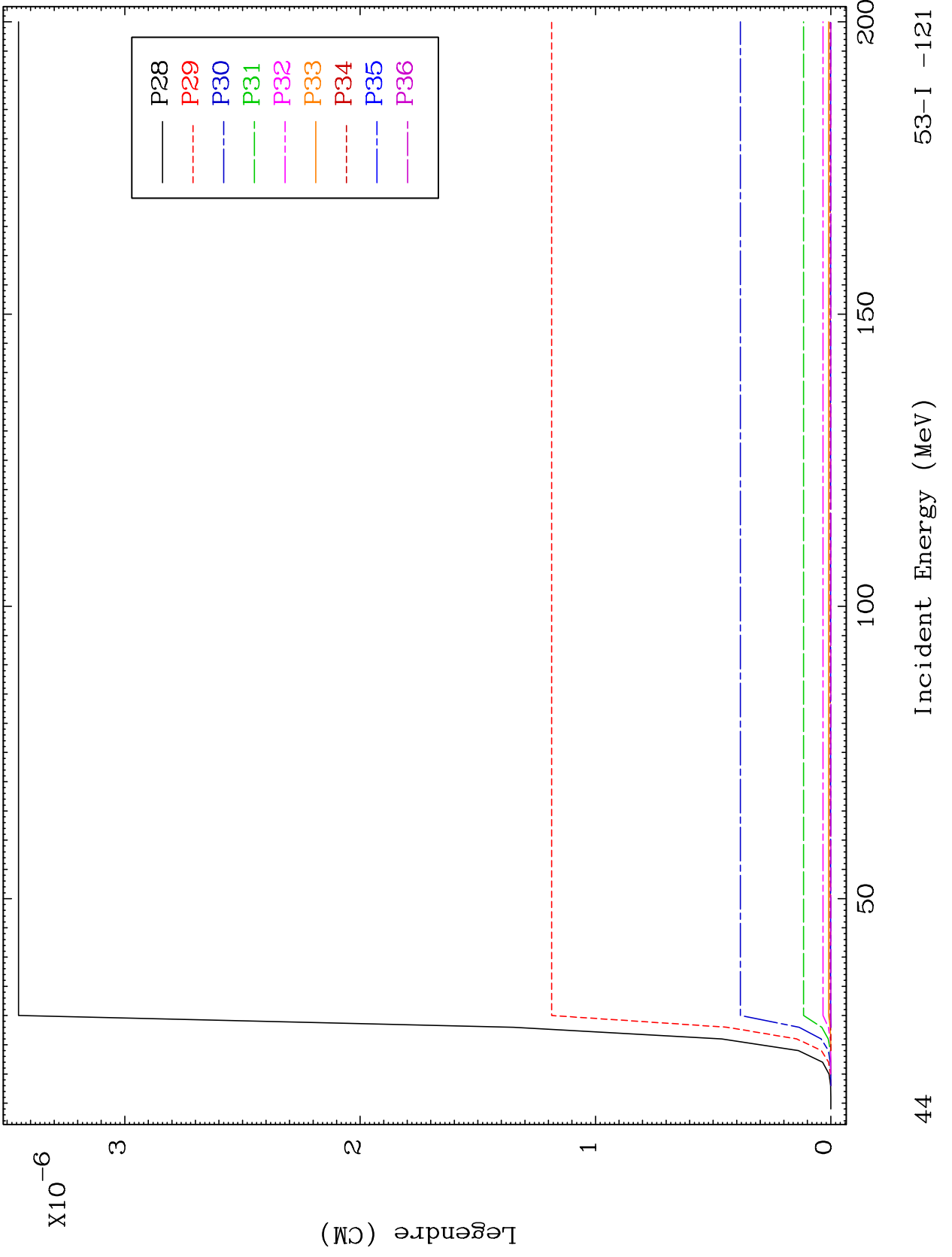
Incident Energy (MeV)

53-I -121

MAT 5307

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

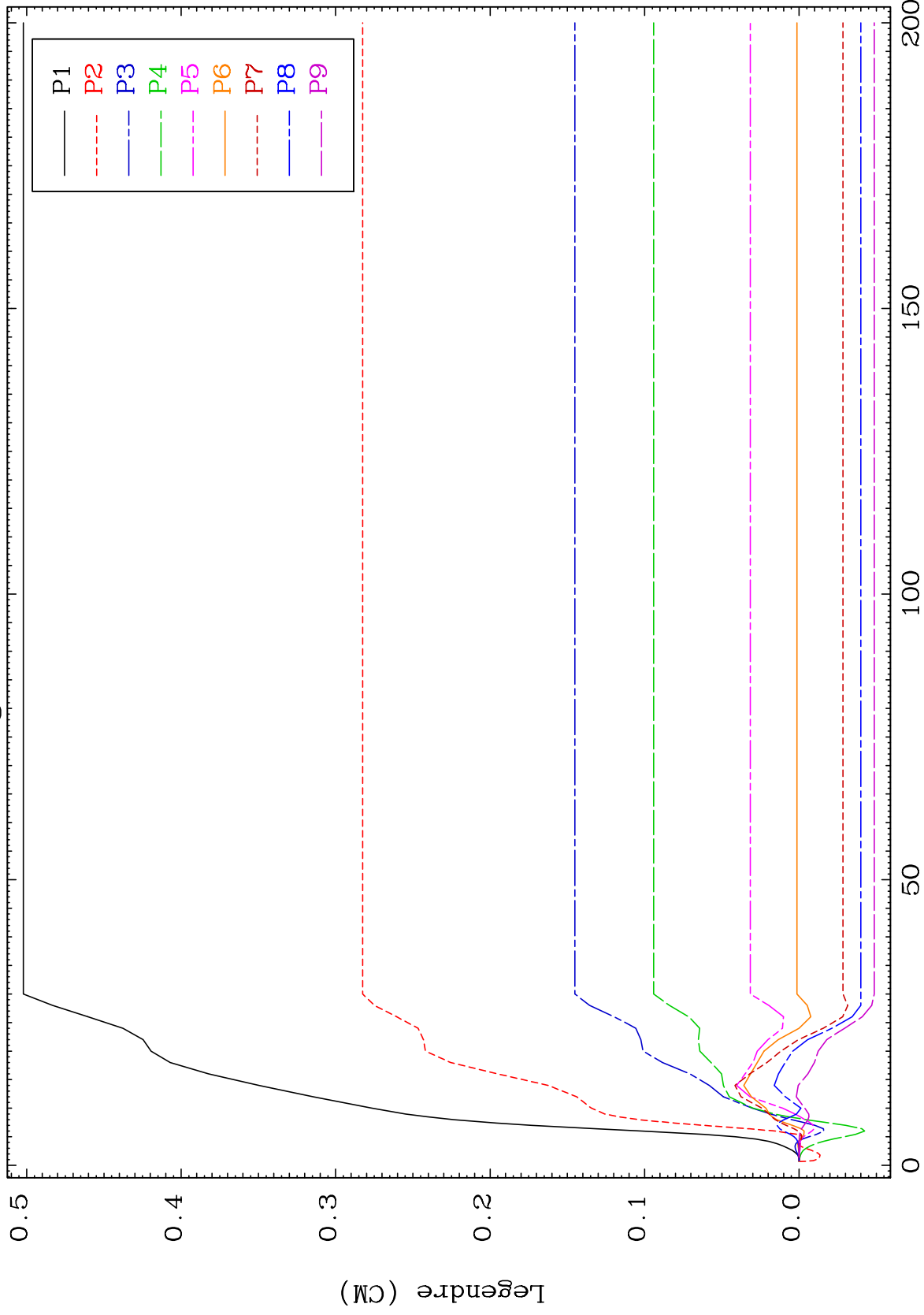
53-I -121



MAT 5307

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

53-I -121



53-I -121

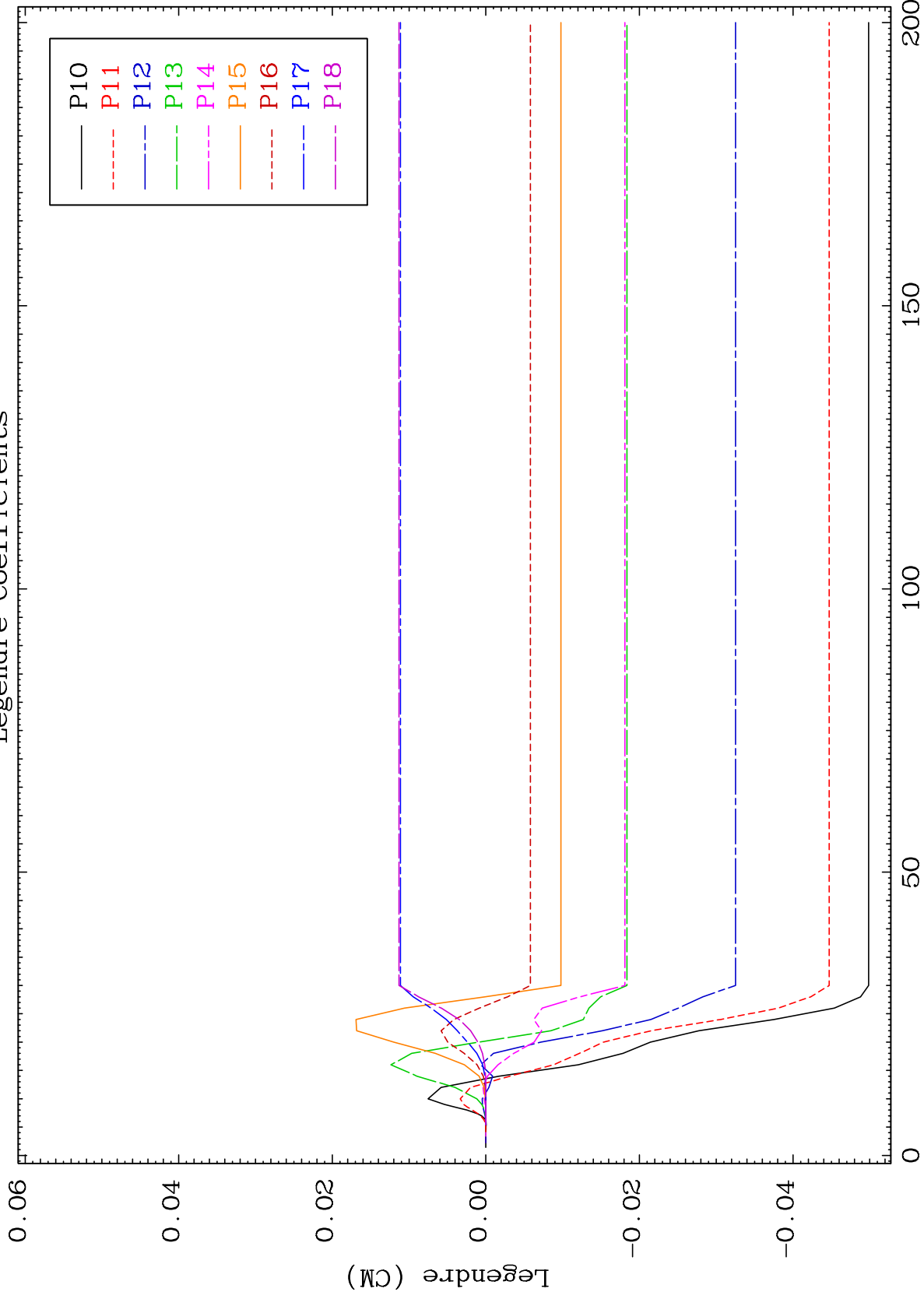
Incident Energy (MeV)

45

MAT 5307

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

53-I -121



46

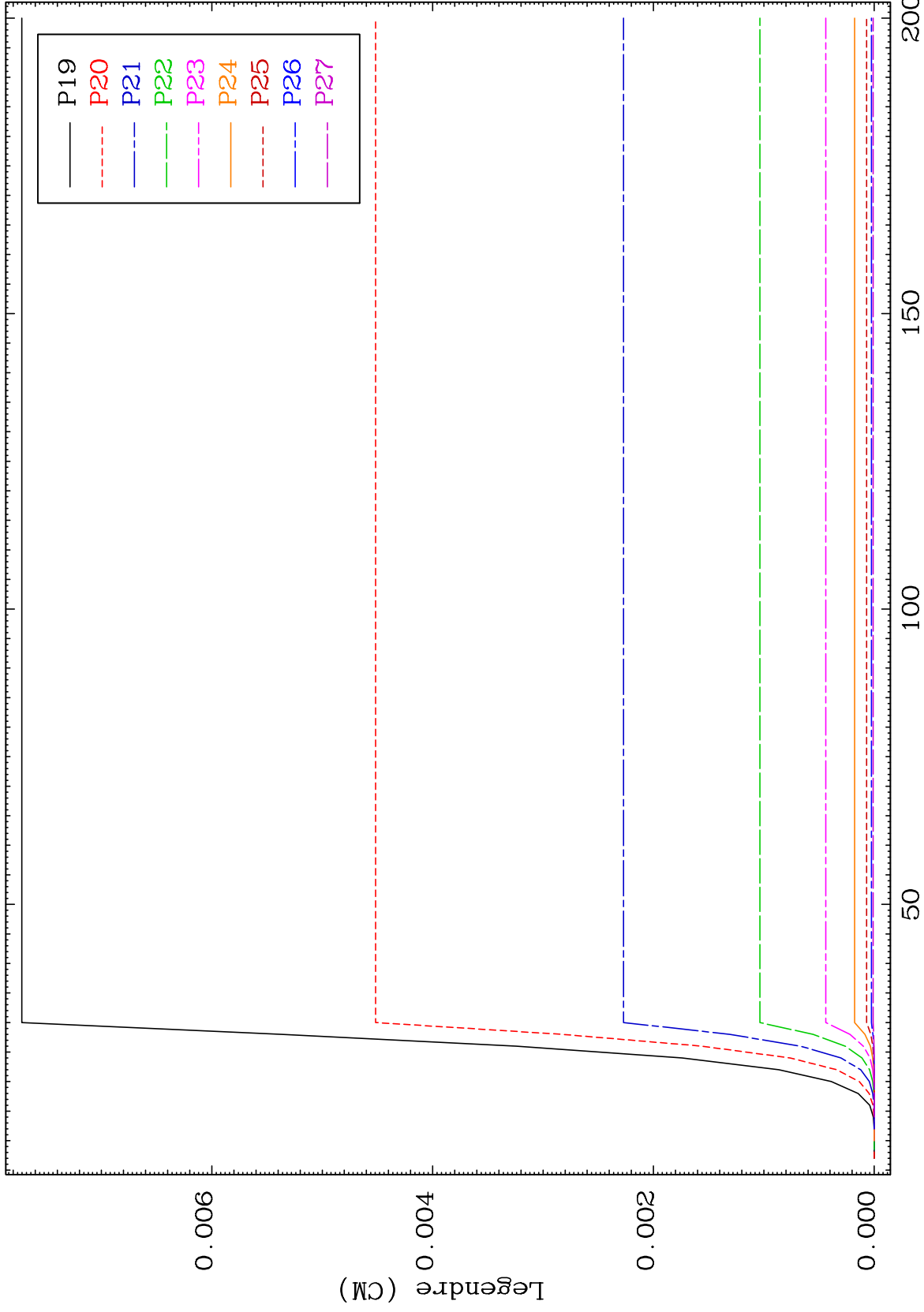
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53-I -121

MAT 5307

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

53-I -121



47

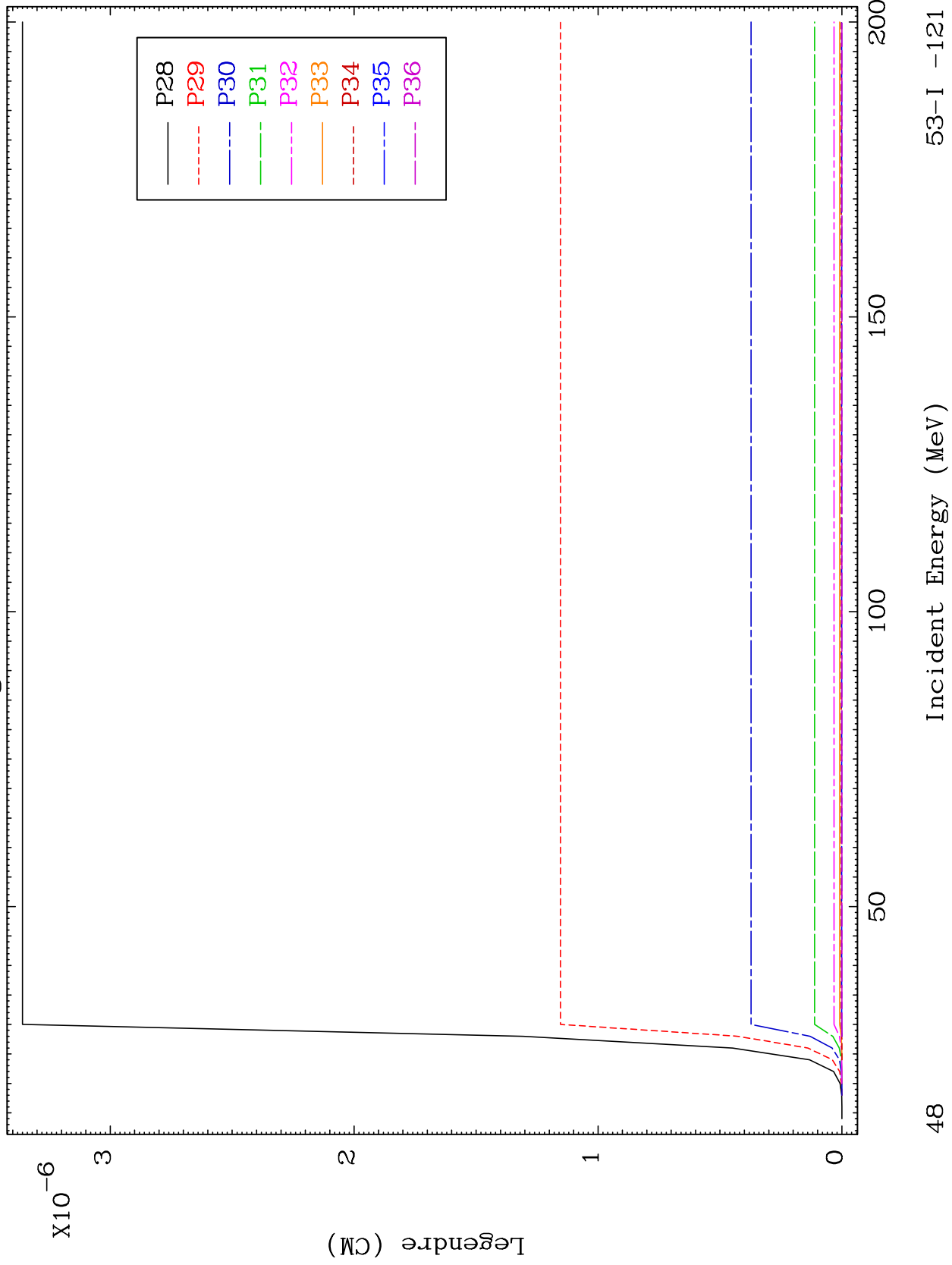
Incident Energy (MeV)

53-I -121

MAT 5307

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

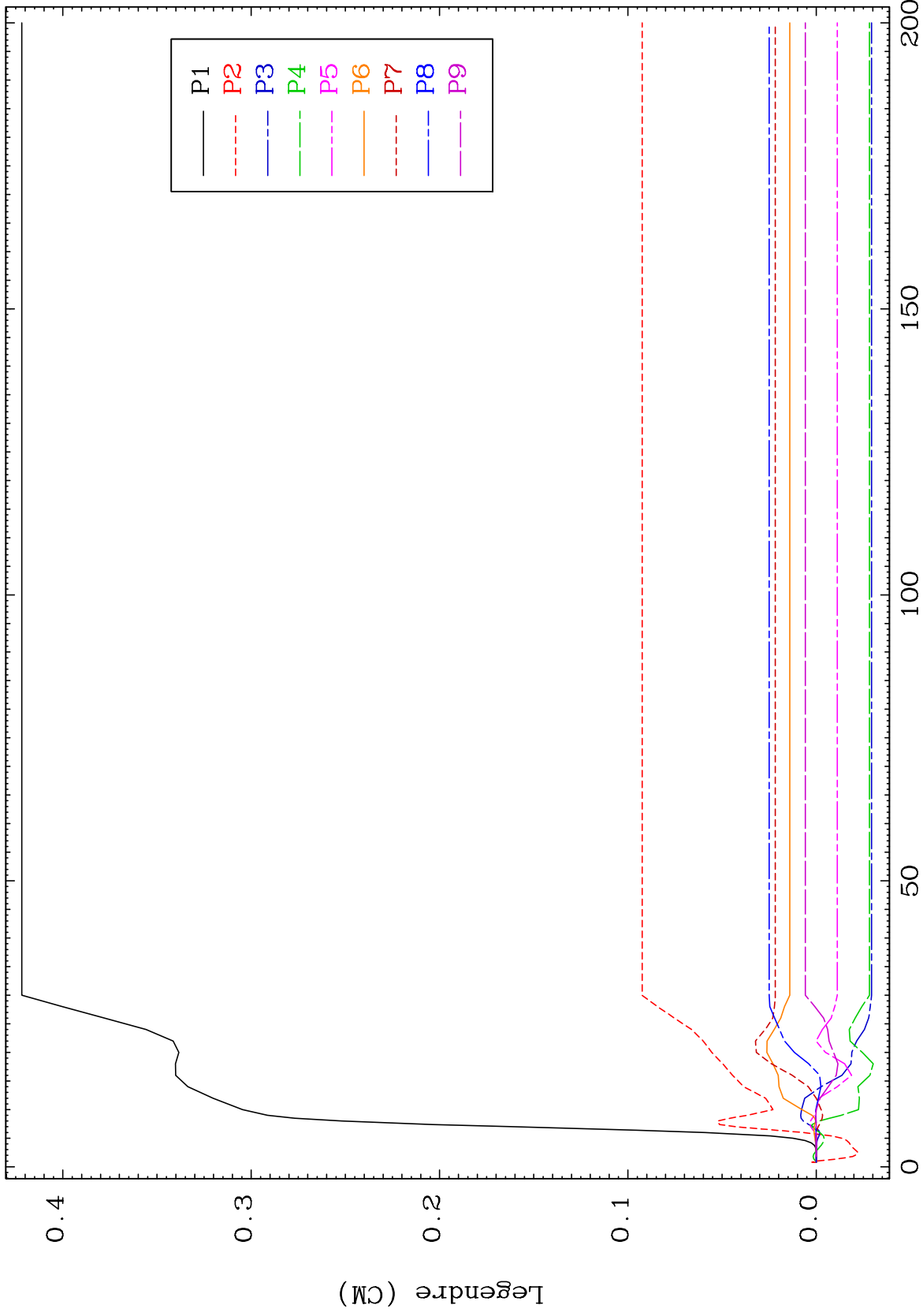
53-I -121



48

Incident Energy (MeV)

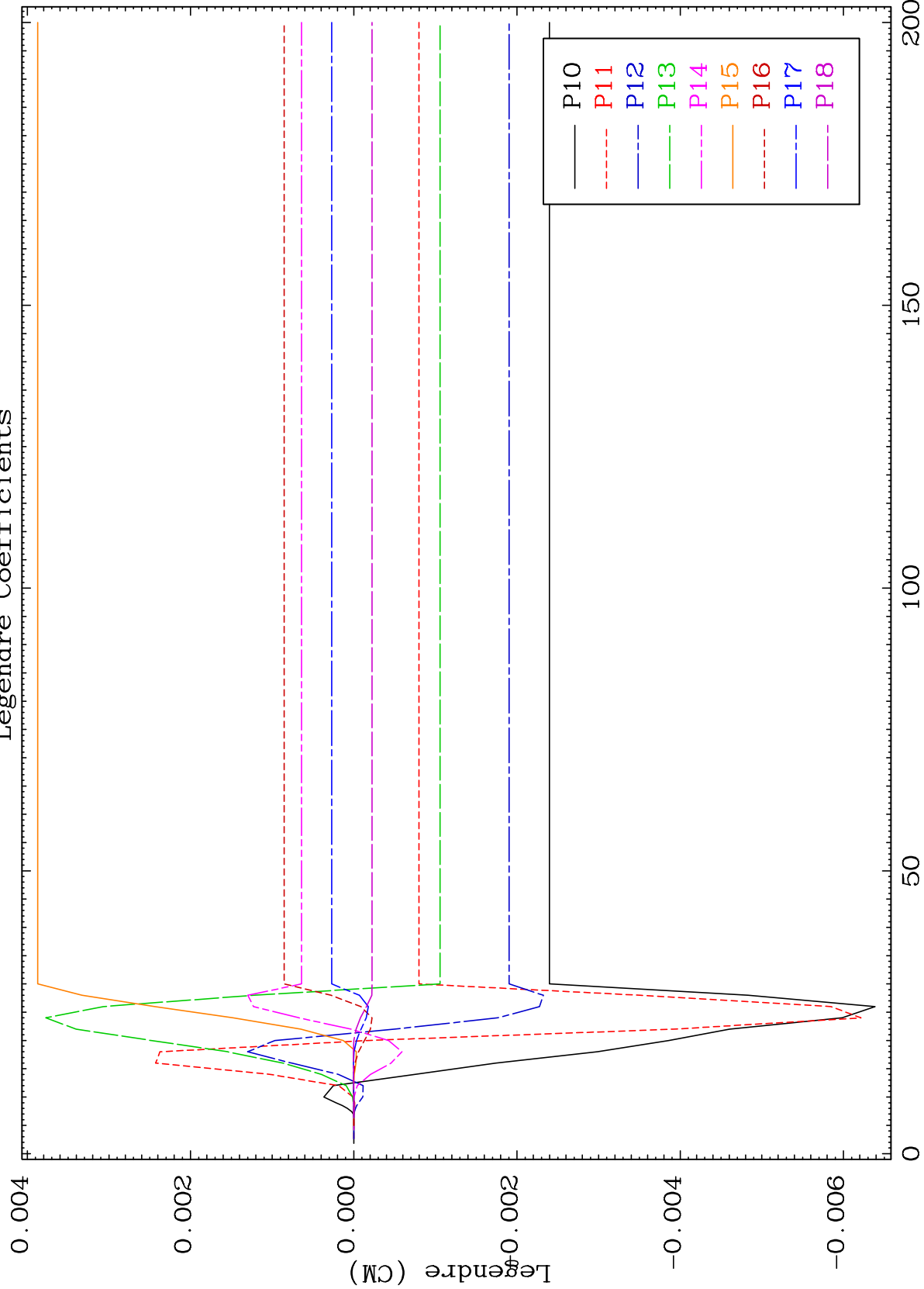
53-I -121



MAT 5307

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

53-I -121



53-I -121

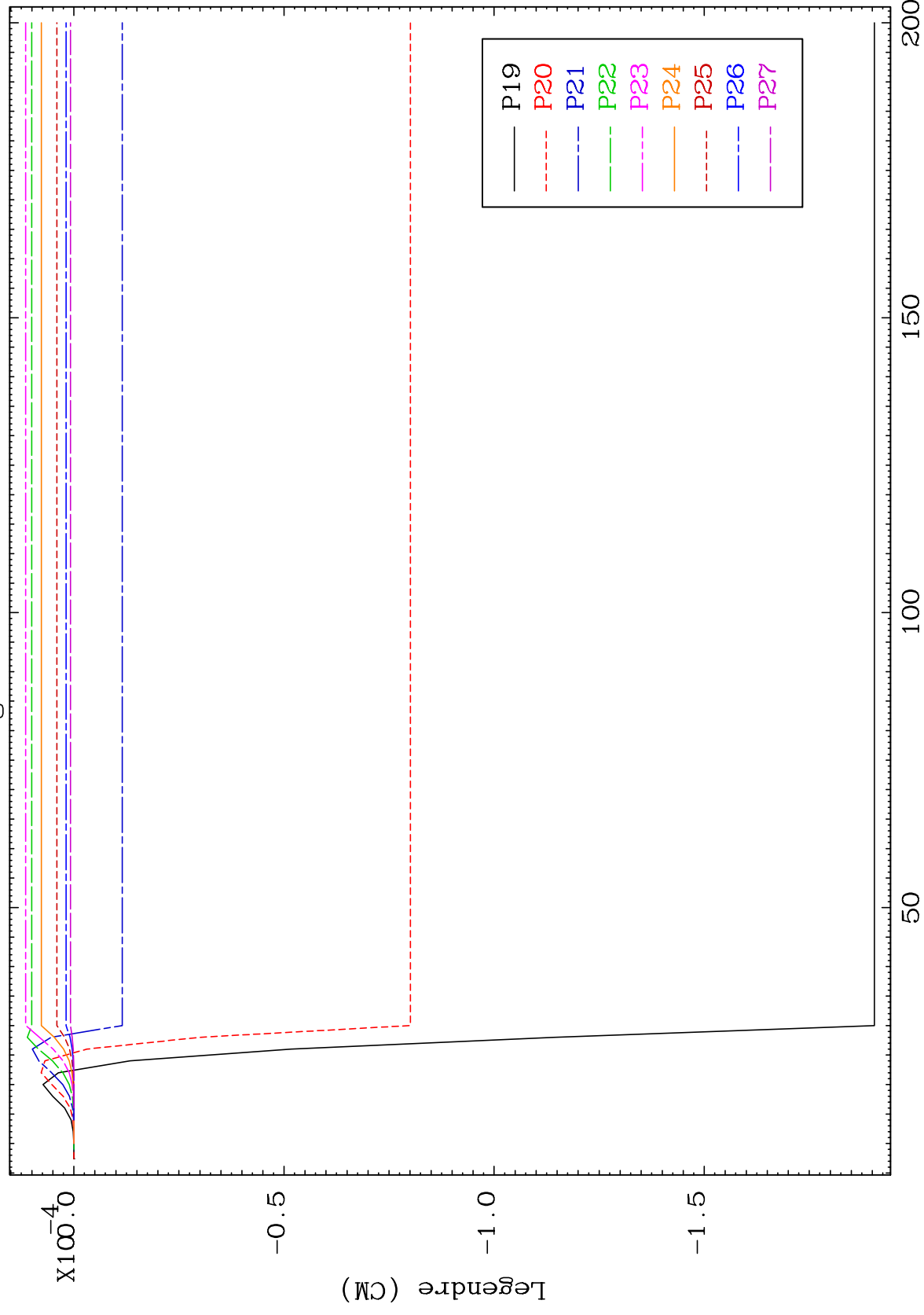
Incident Energy (MeV)

50

MAT 5307

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

53-I -121



51

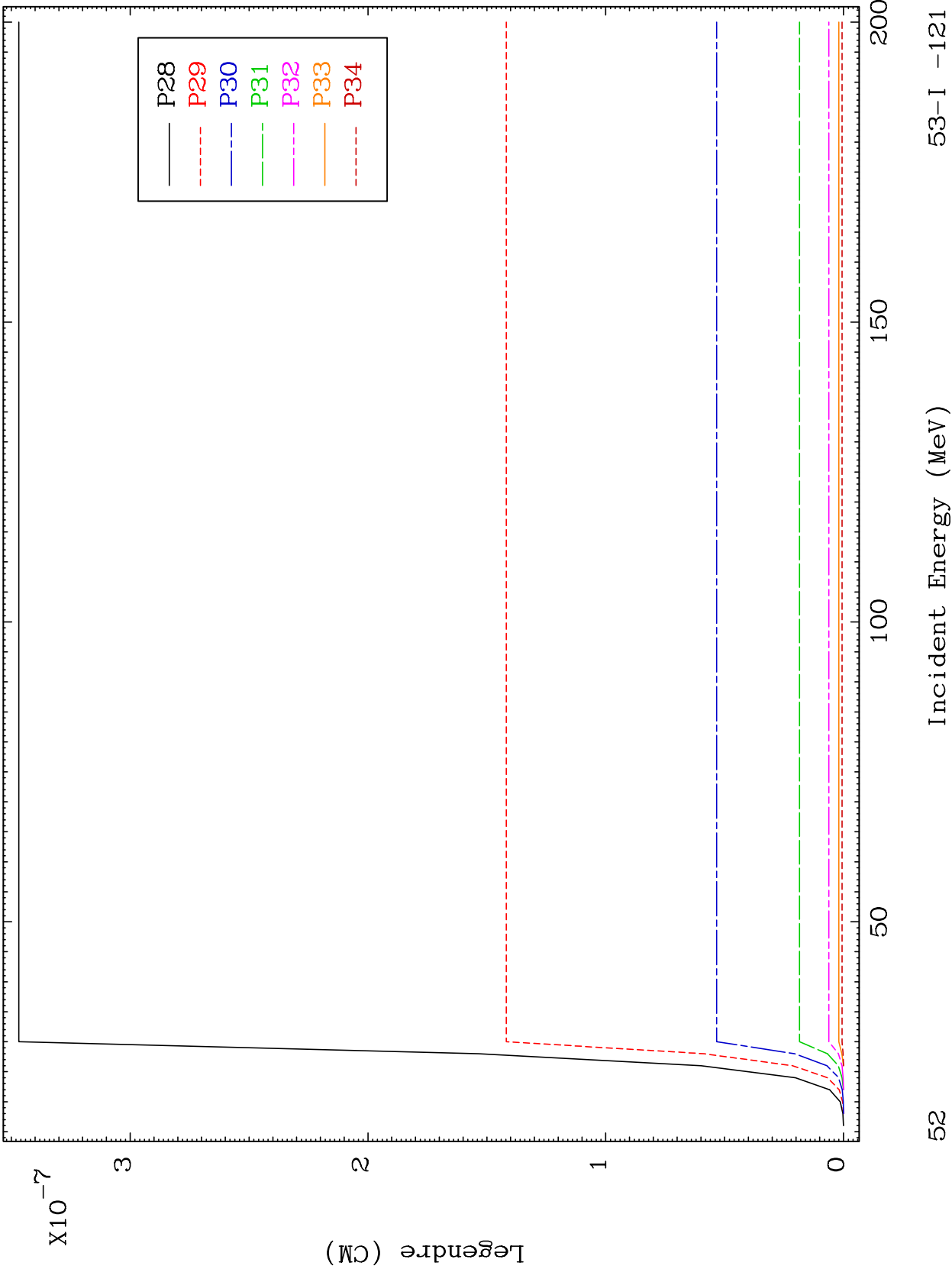
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121

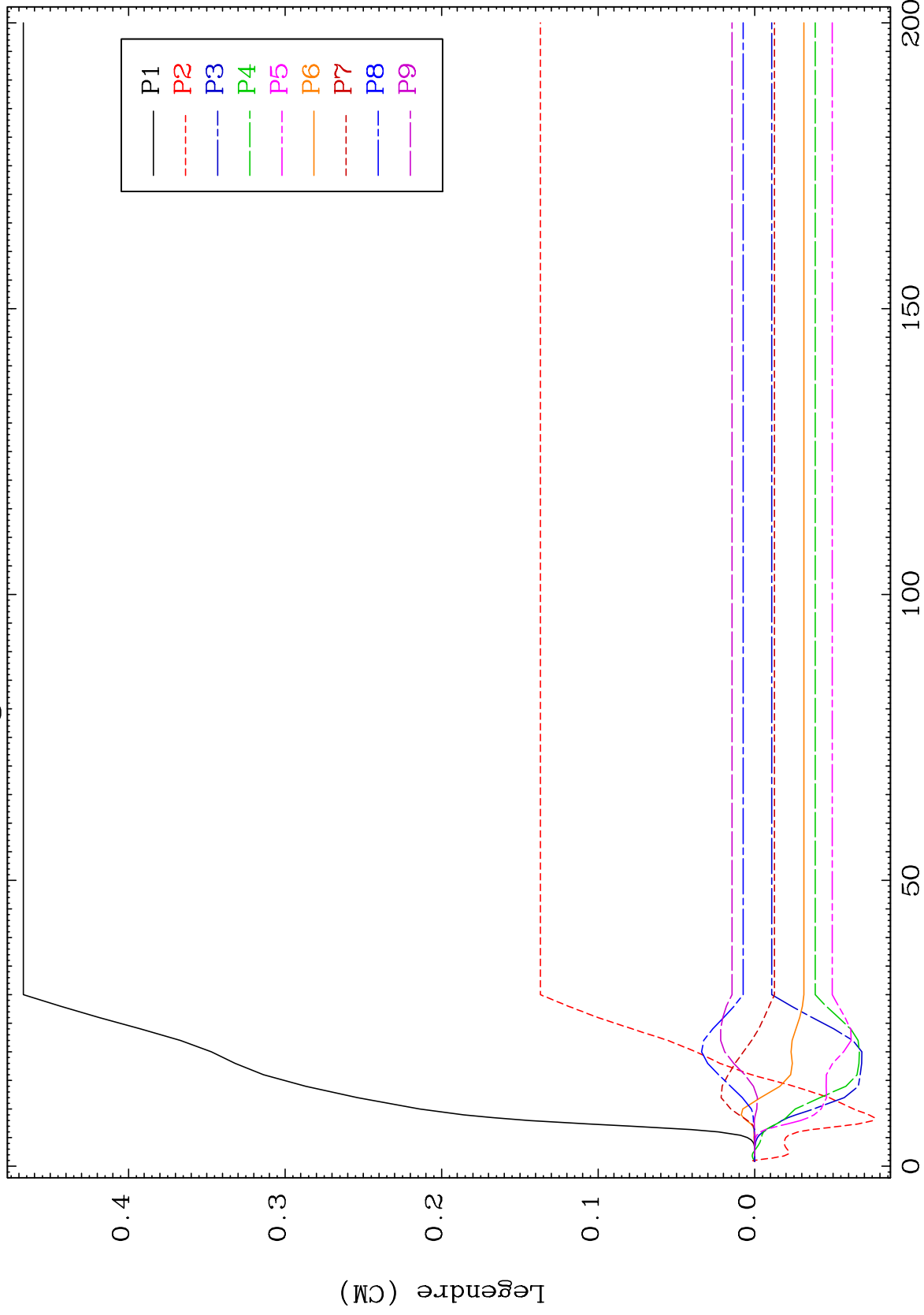


52

MAT 5307

MT= 61 (n,n') Level
Legendre Coefficients

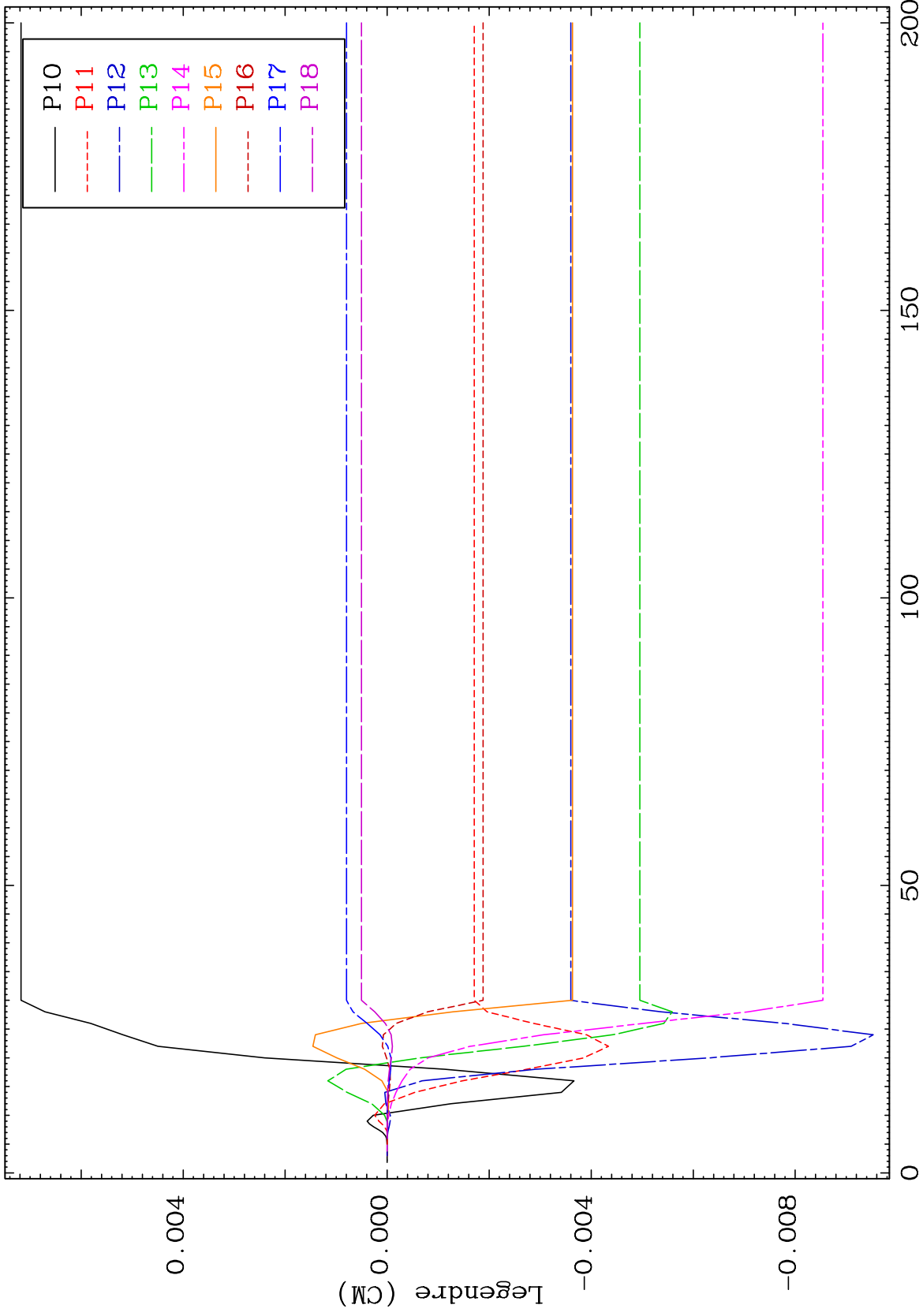
53-I -121

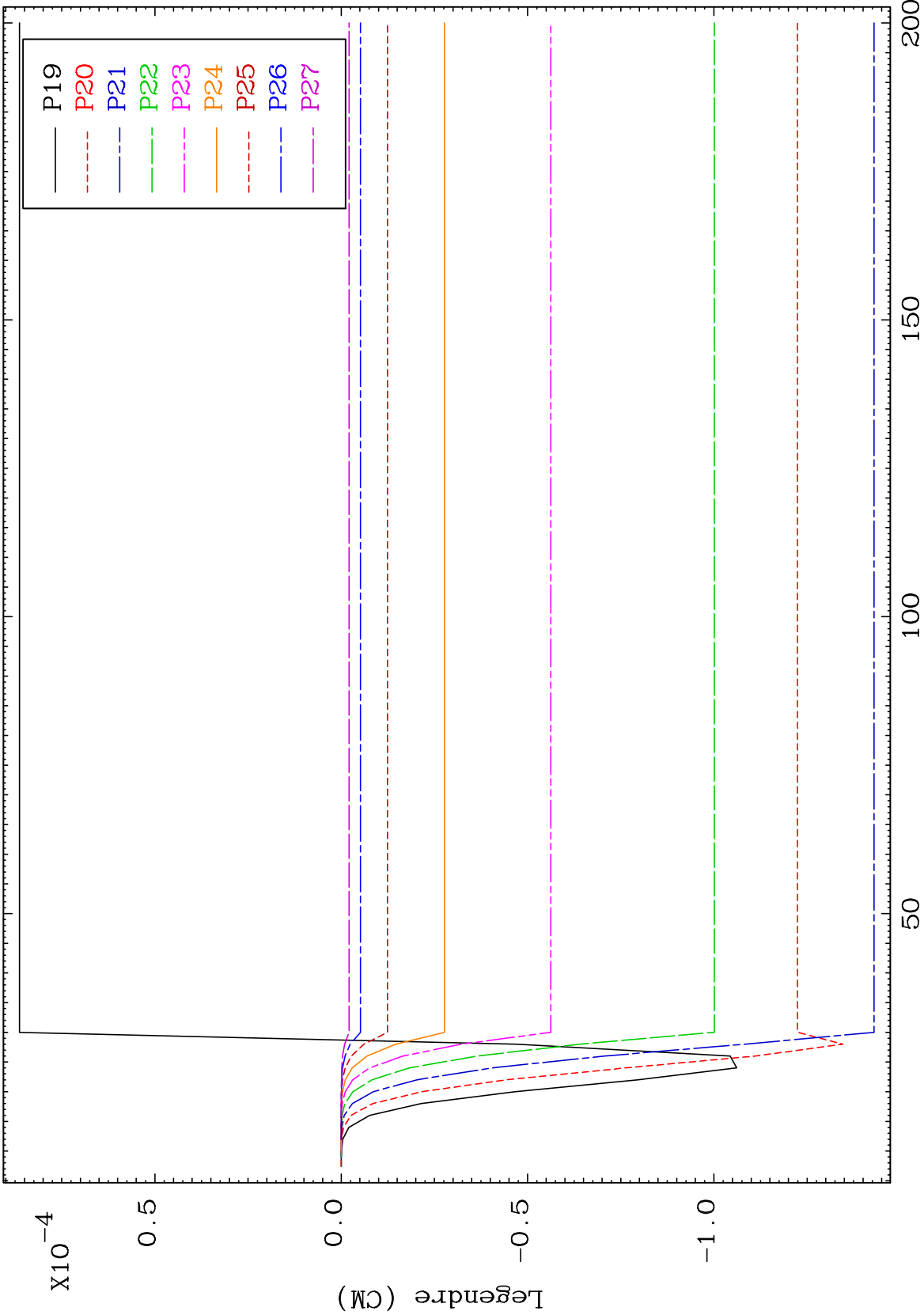


53

Incident Energy (MeV)

53-I -121

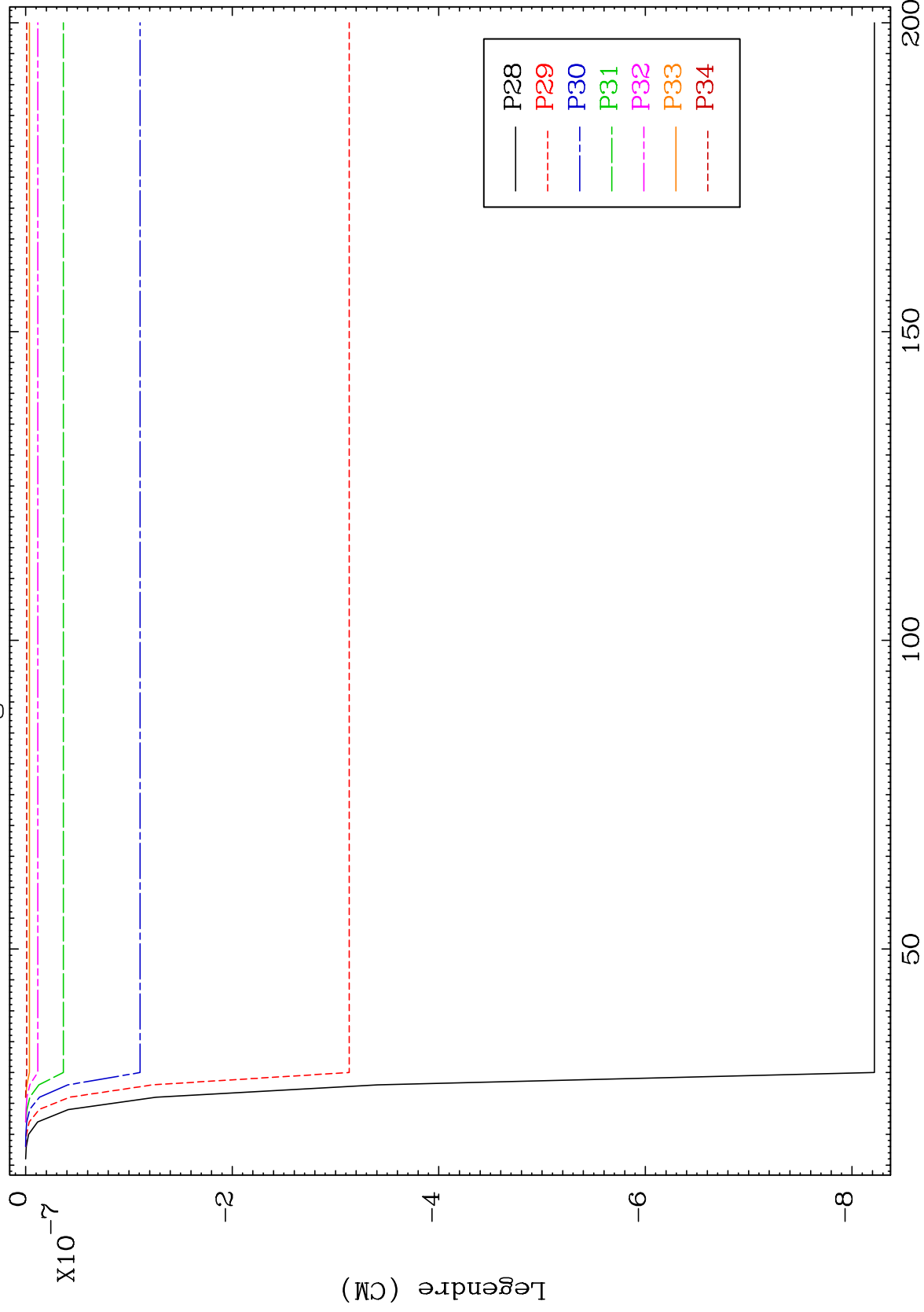




MAT 5307

MT= 61 (n,n') Level
Legendre Coefficients

53-I -121



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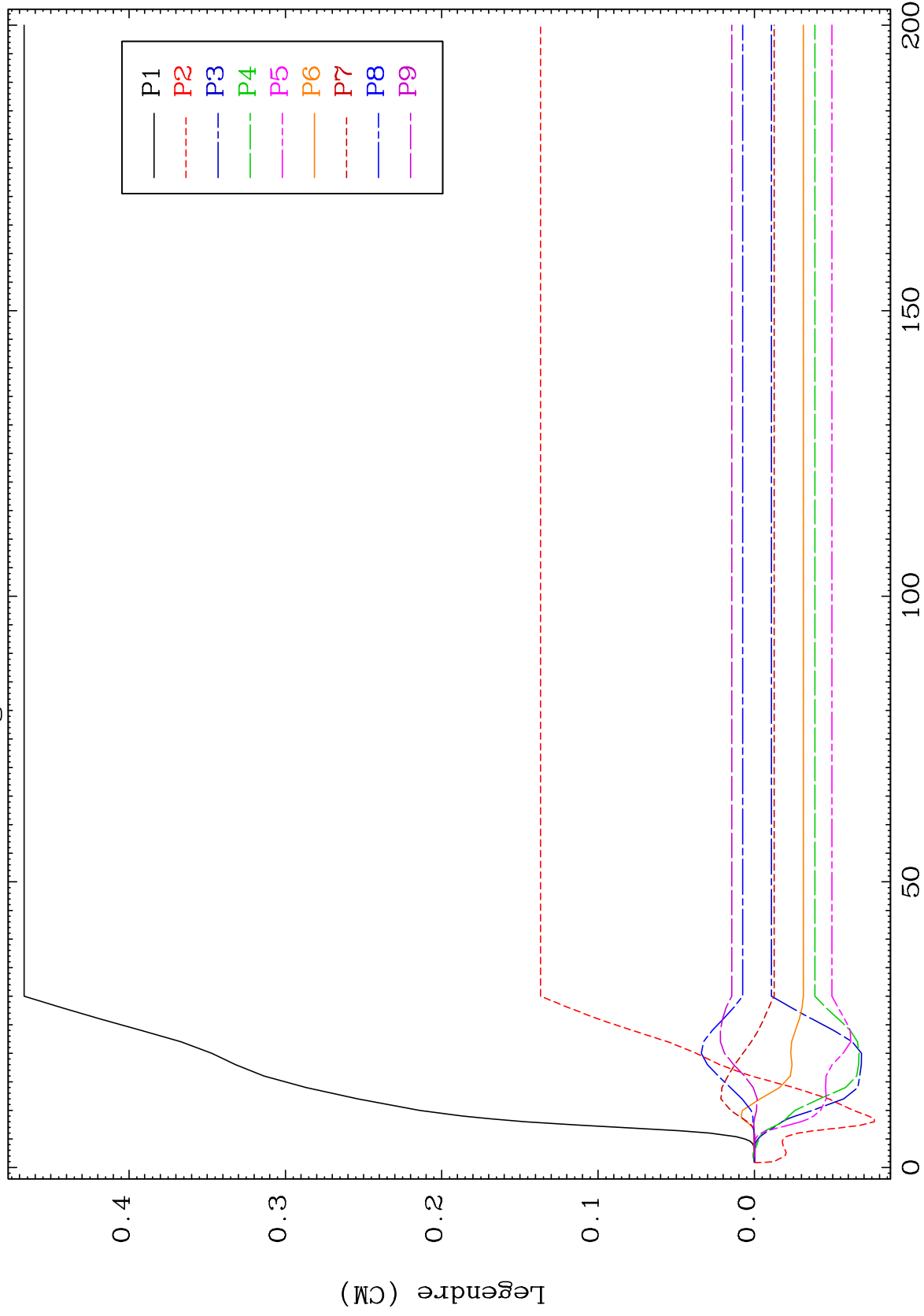
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



57

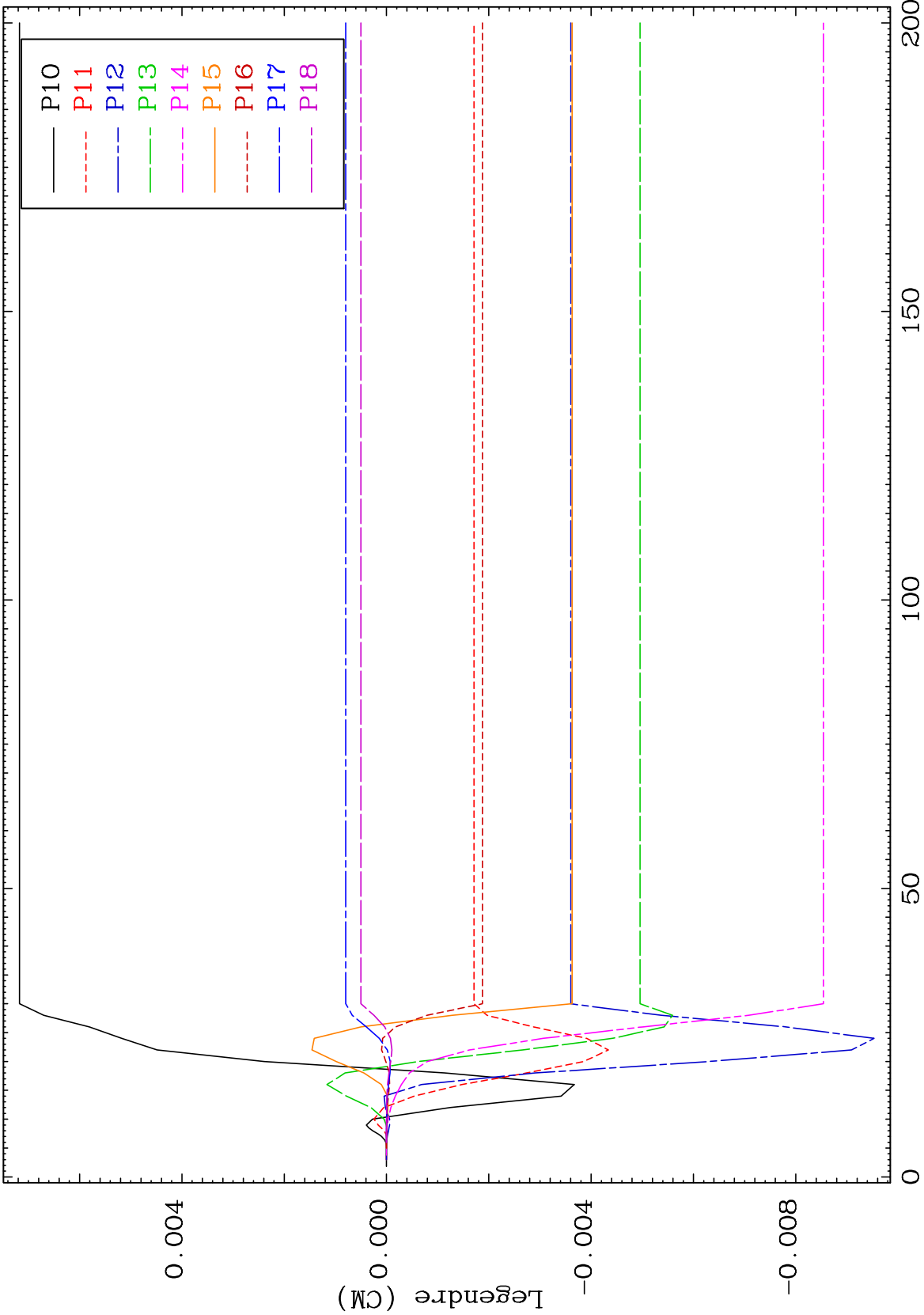
Incident Energy (MeV)

53-I -121

MAT 5307

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

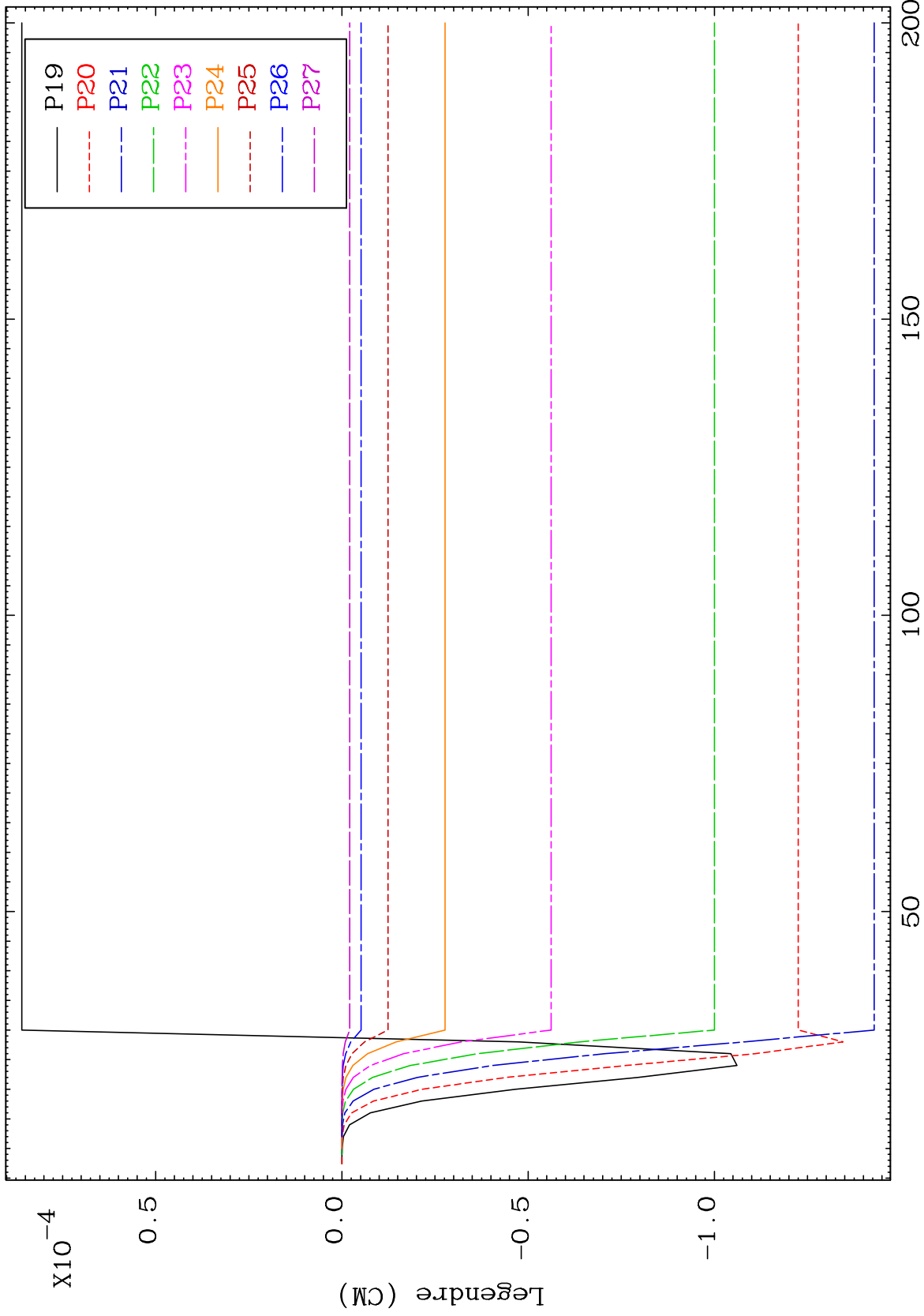
53-I -121



58

Incident Energy (MeV)

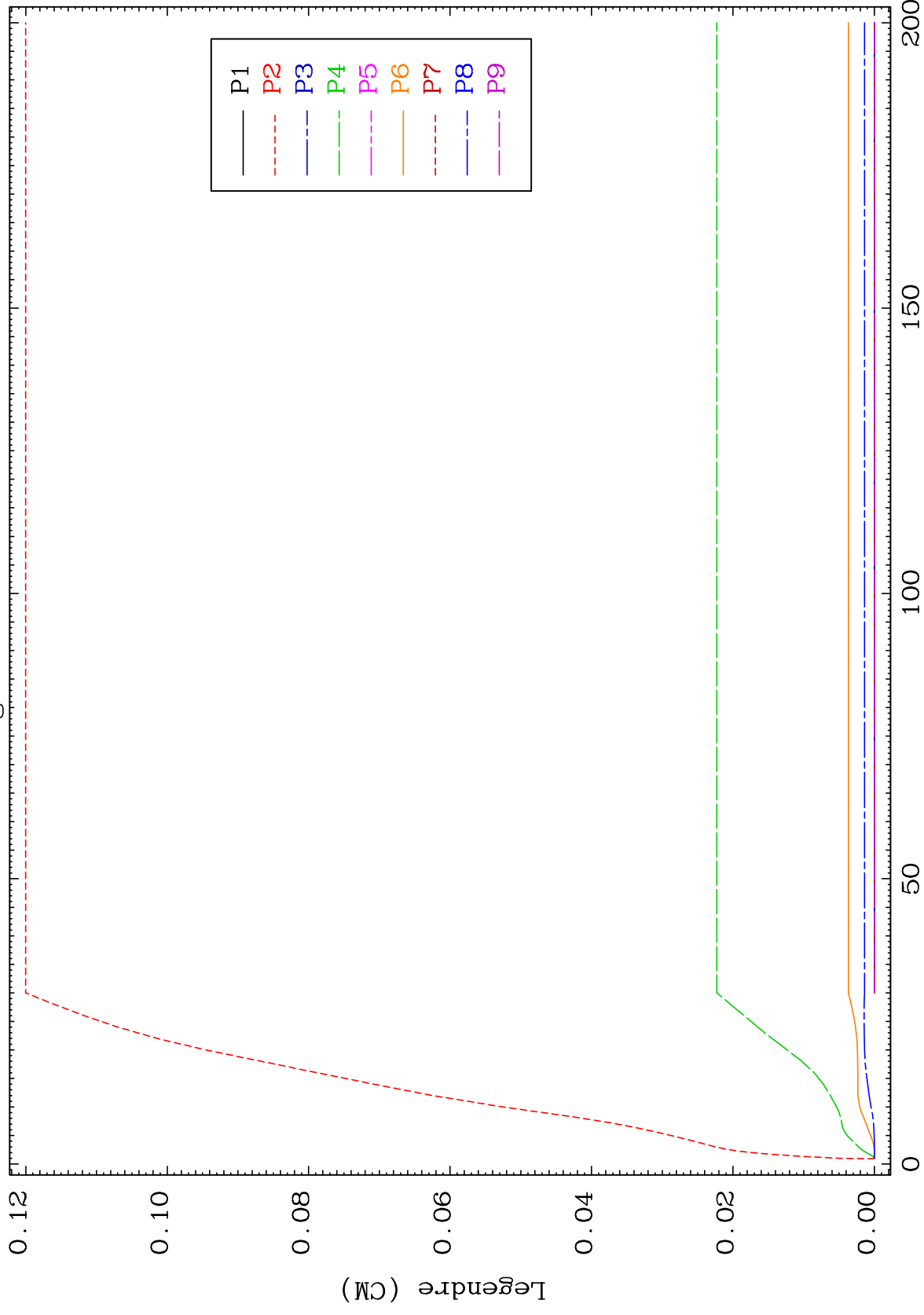
53-I -121



MAT 5307

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

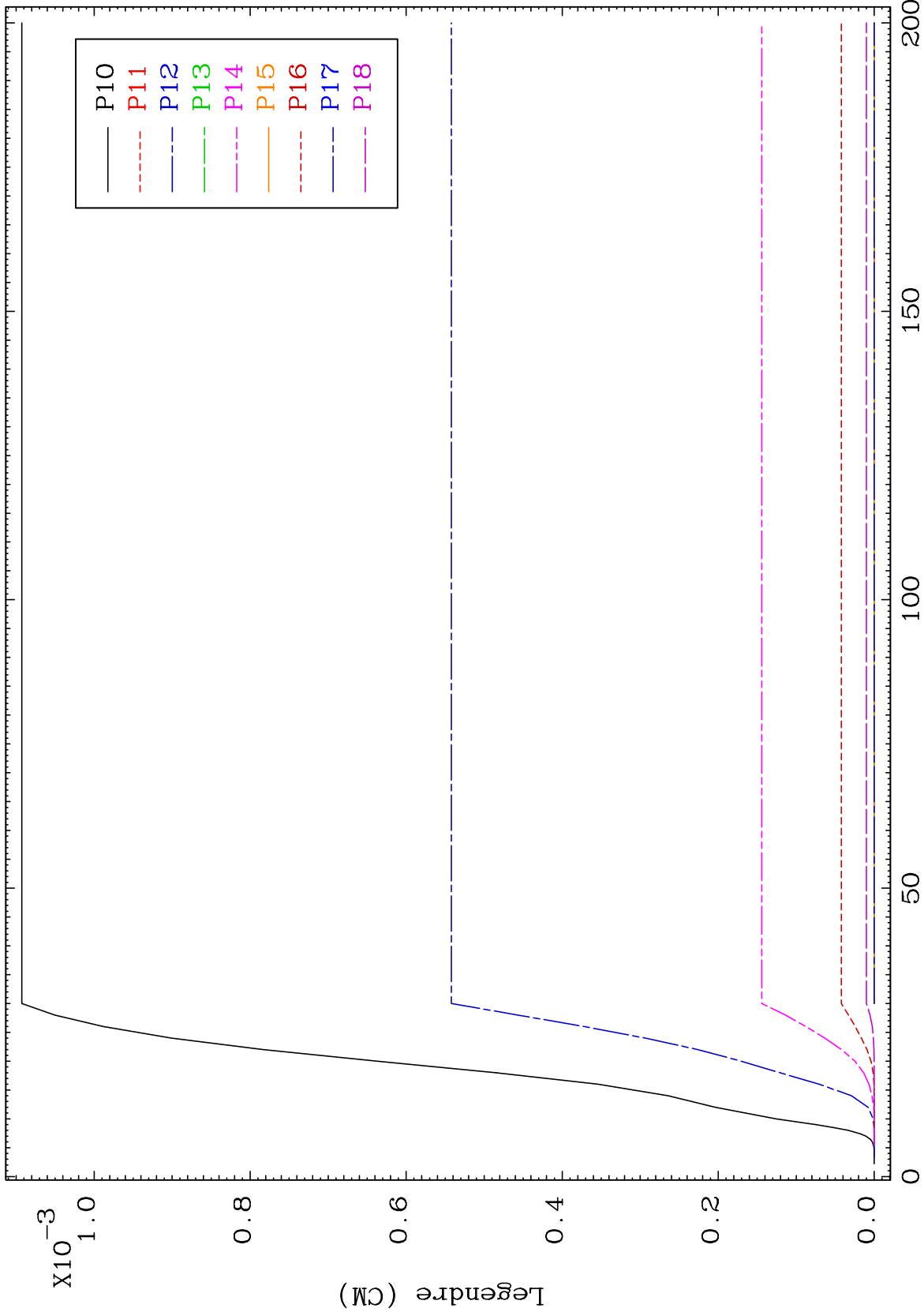
53-I -121



61

Incident Energy (MeV)

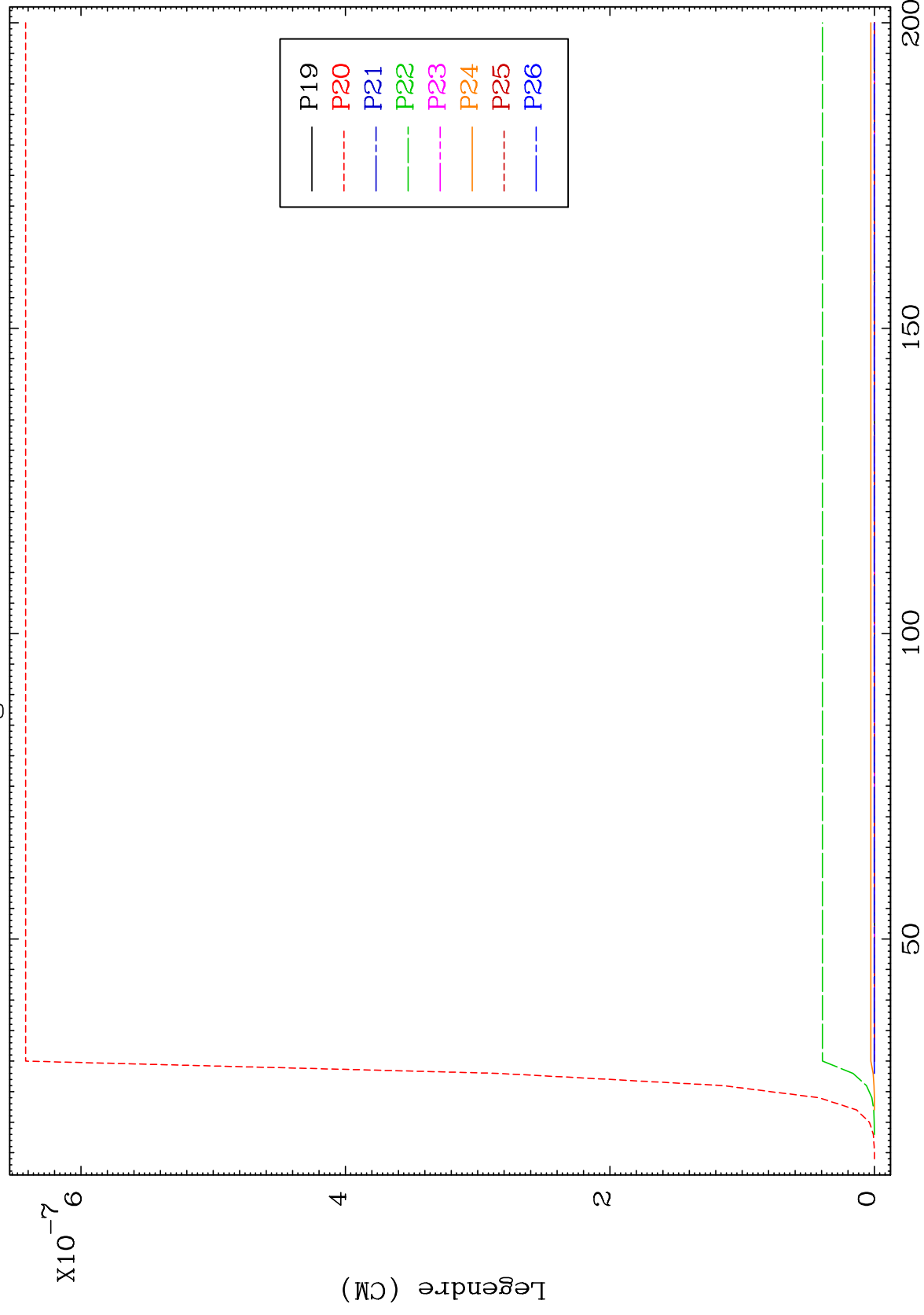
53-I -121



MAT 5307

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

53-I -121



63

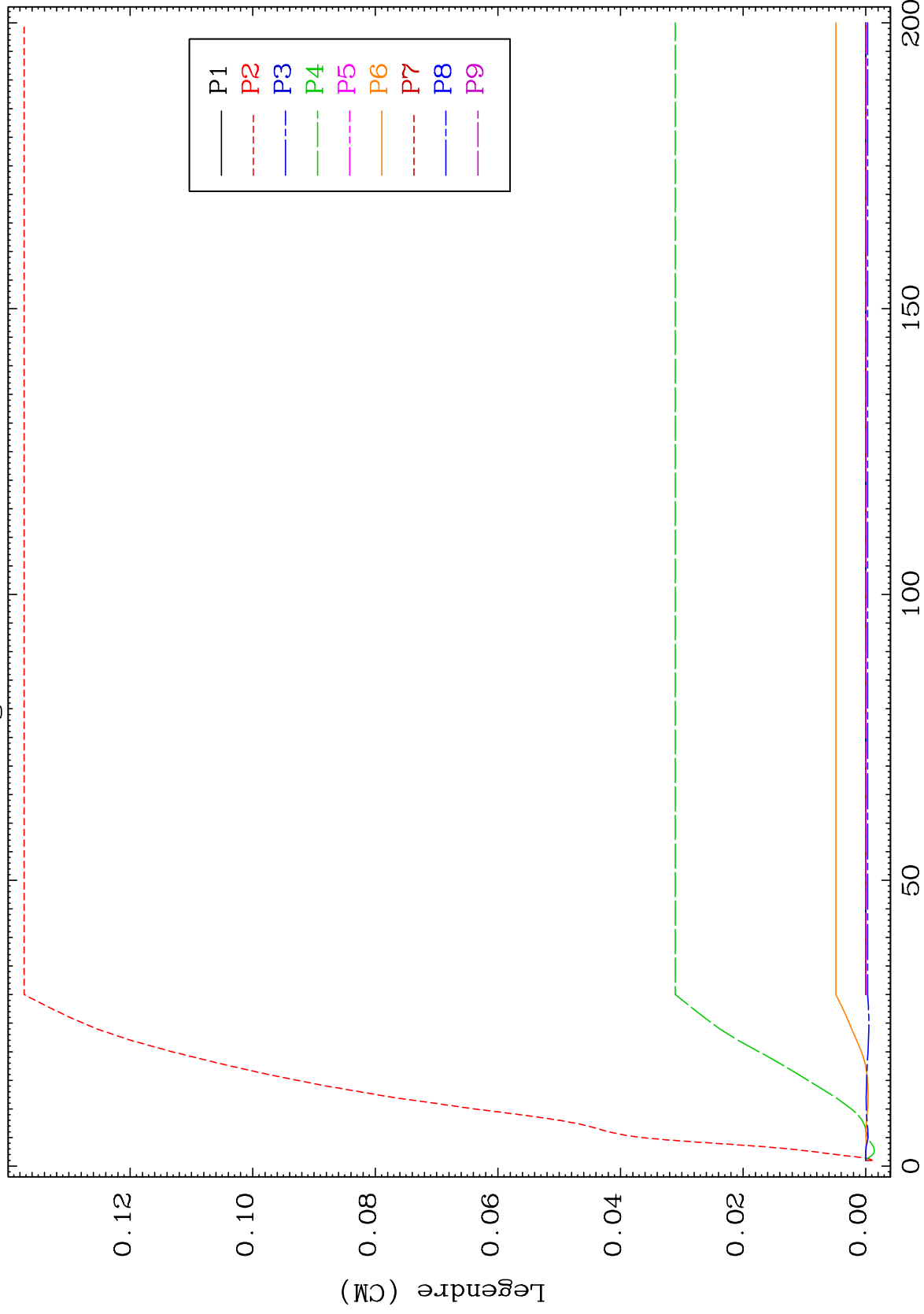
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



64

Incident Energy (MeV)

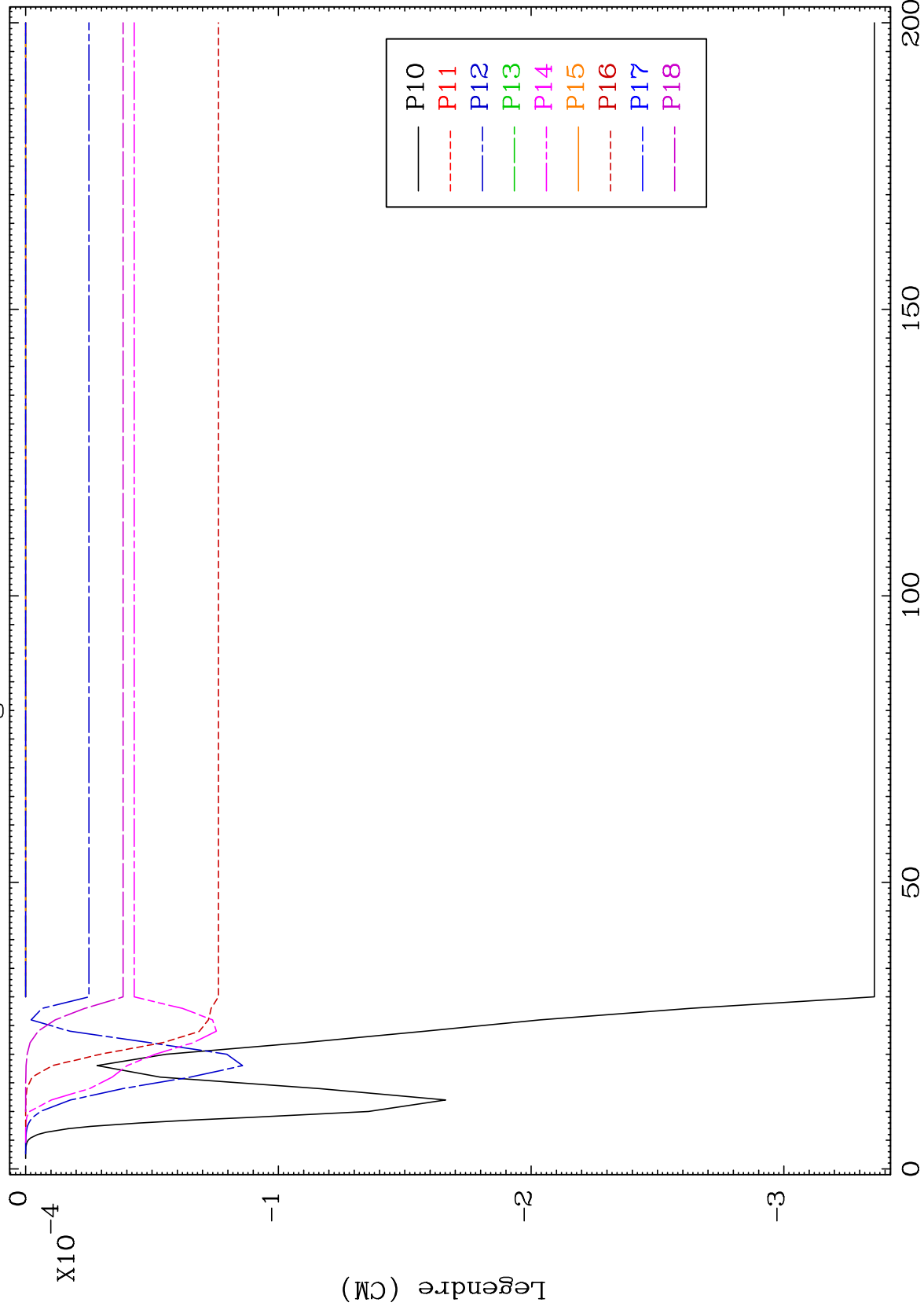
53-I -121

MAT 5307

MT= 64 (n,n') Level

53-I -121

Legendre Coefficients



65

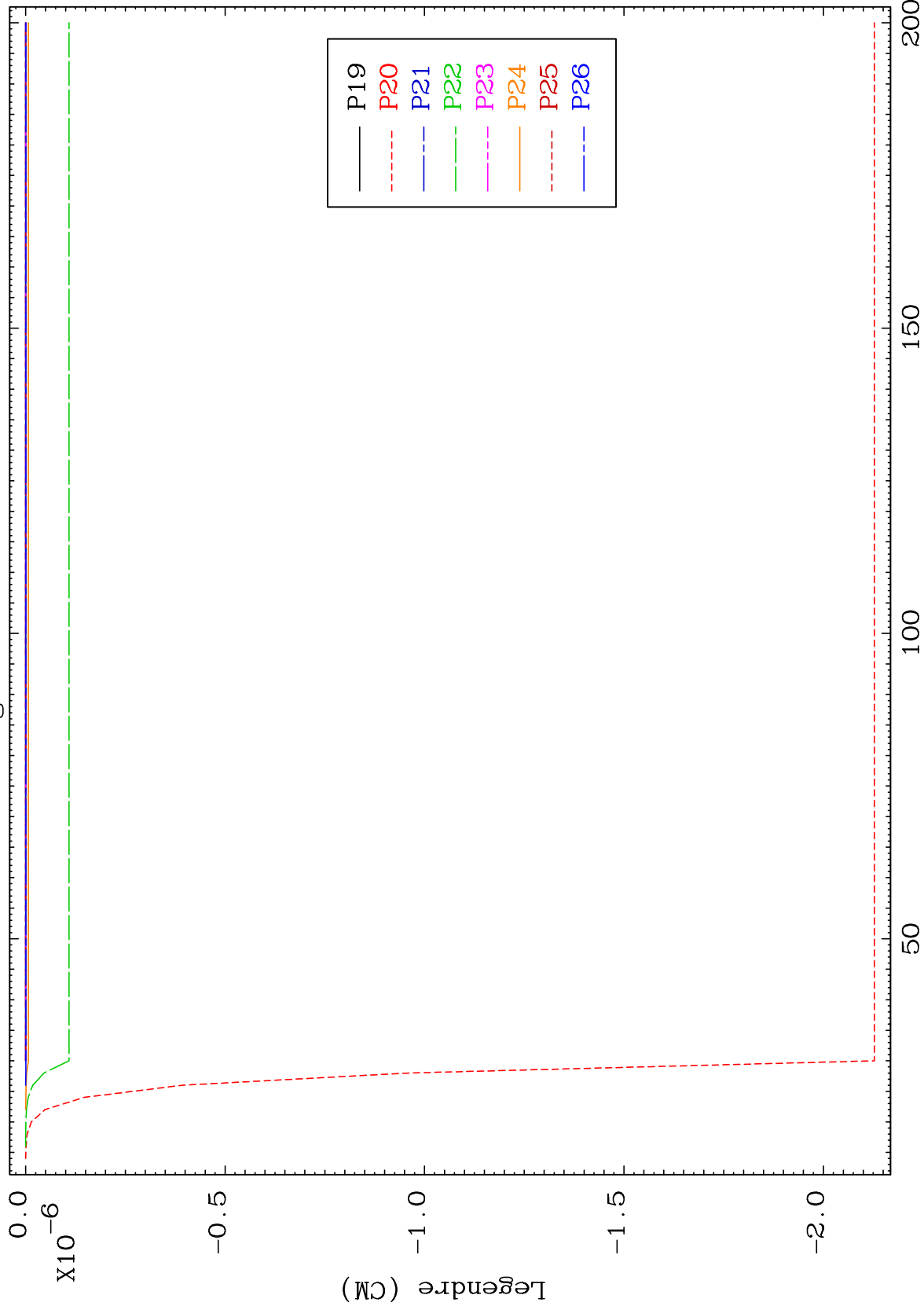
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



66

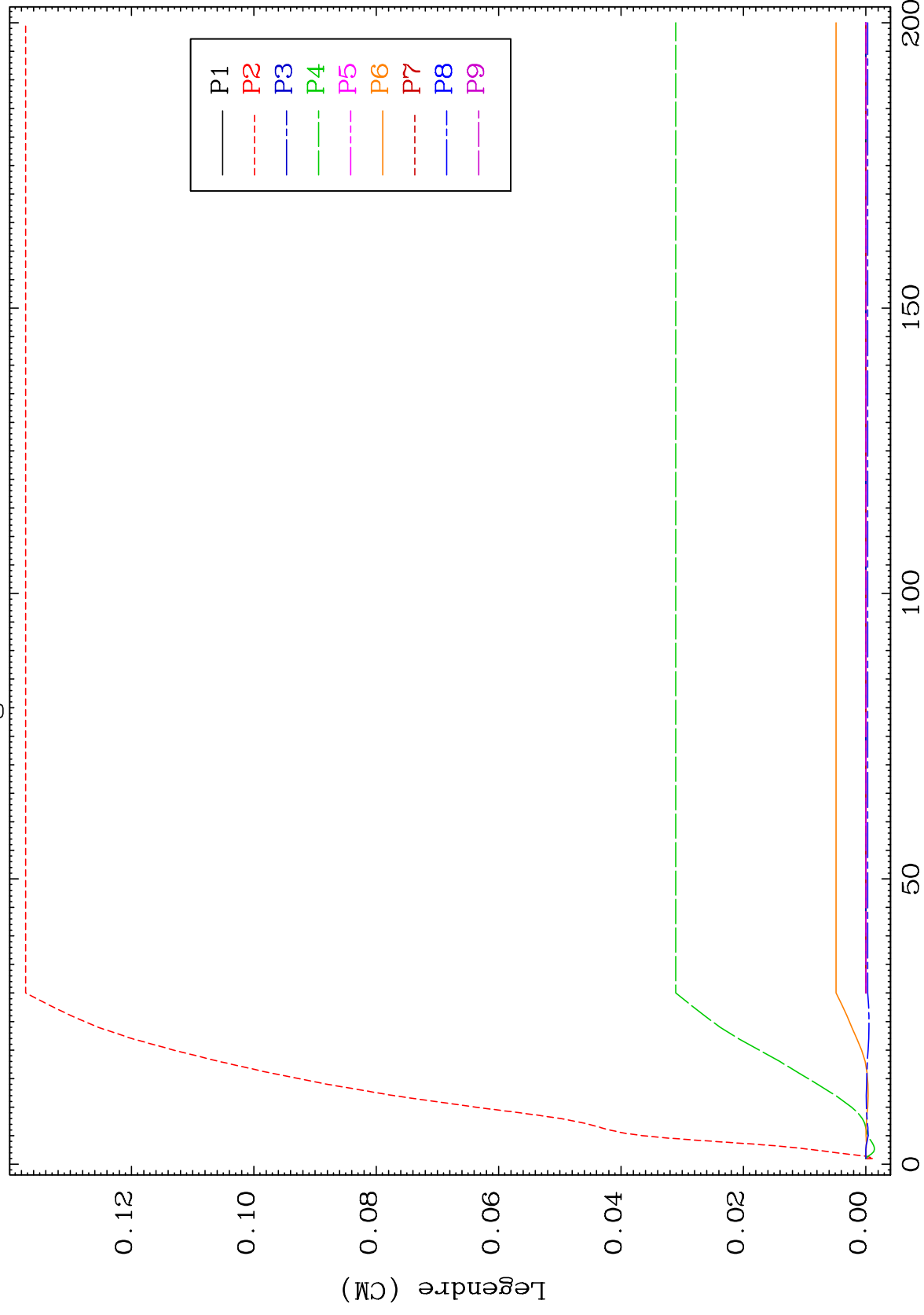
Incident Energy (MeV)

53-I -121

MAT 5307

MT= 65 (n,n') Level
Legendre Coefficients

53-I -121



67

Incident Energy (MeV)

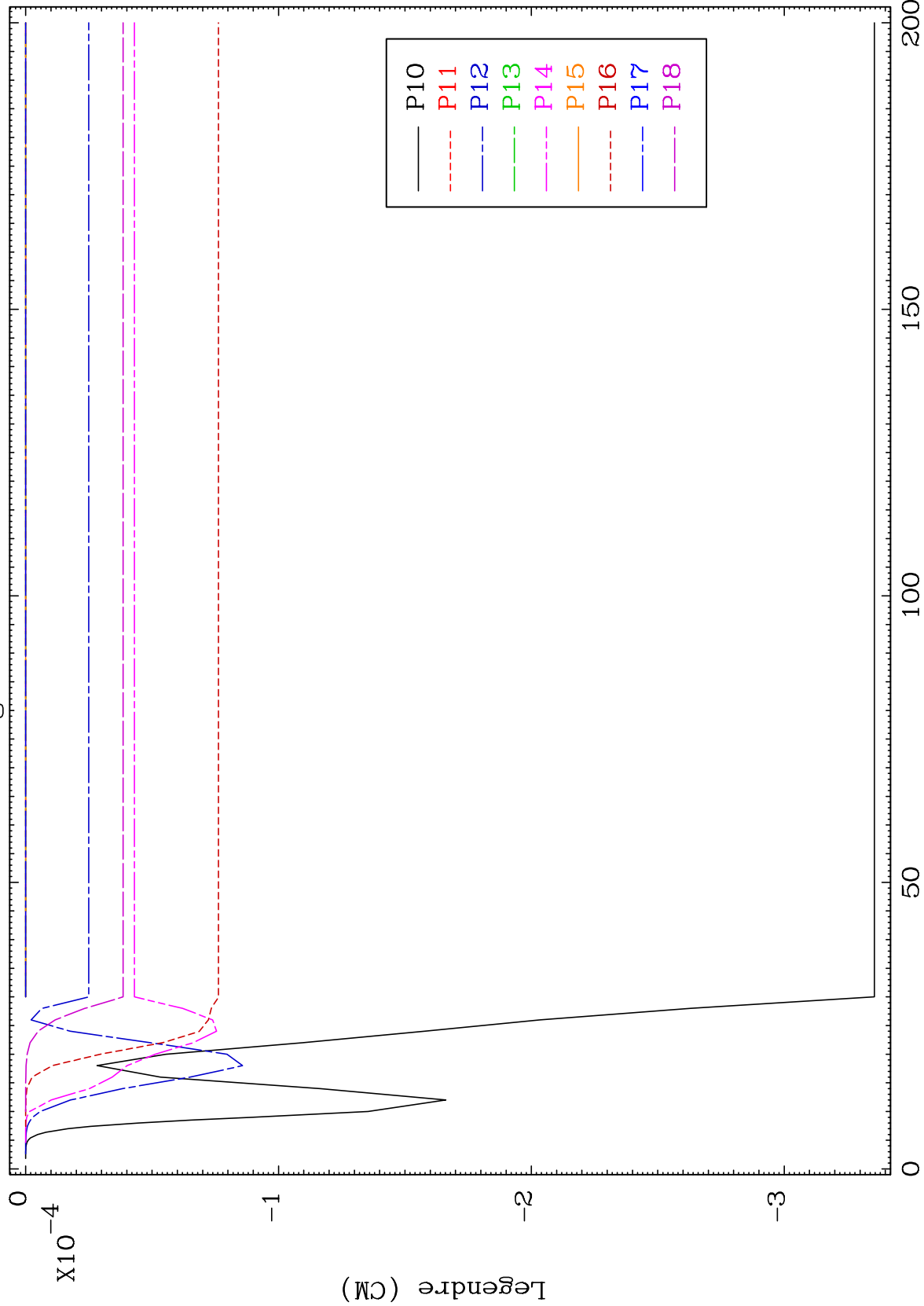
53-I -121

MAT 5307

MT= 65 (n,n') Level

53-I -121

Legendre Coefficients



68

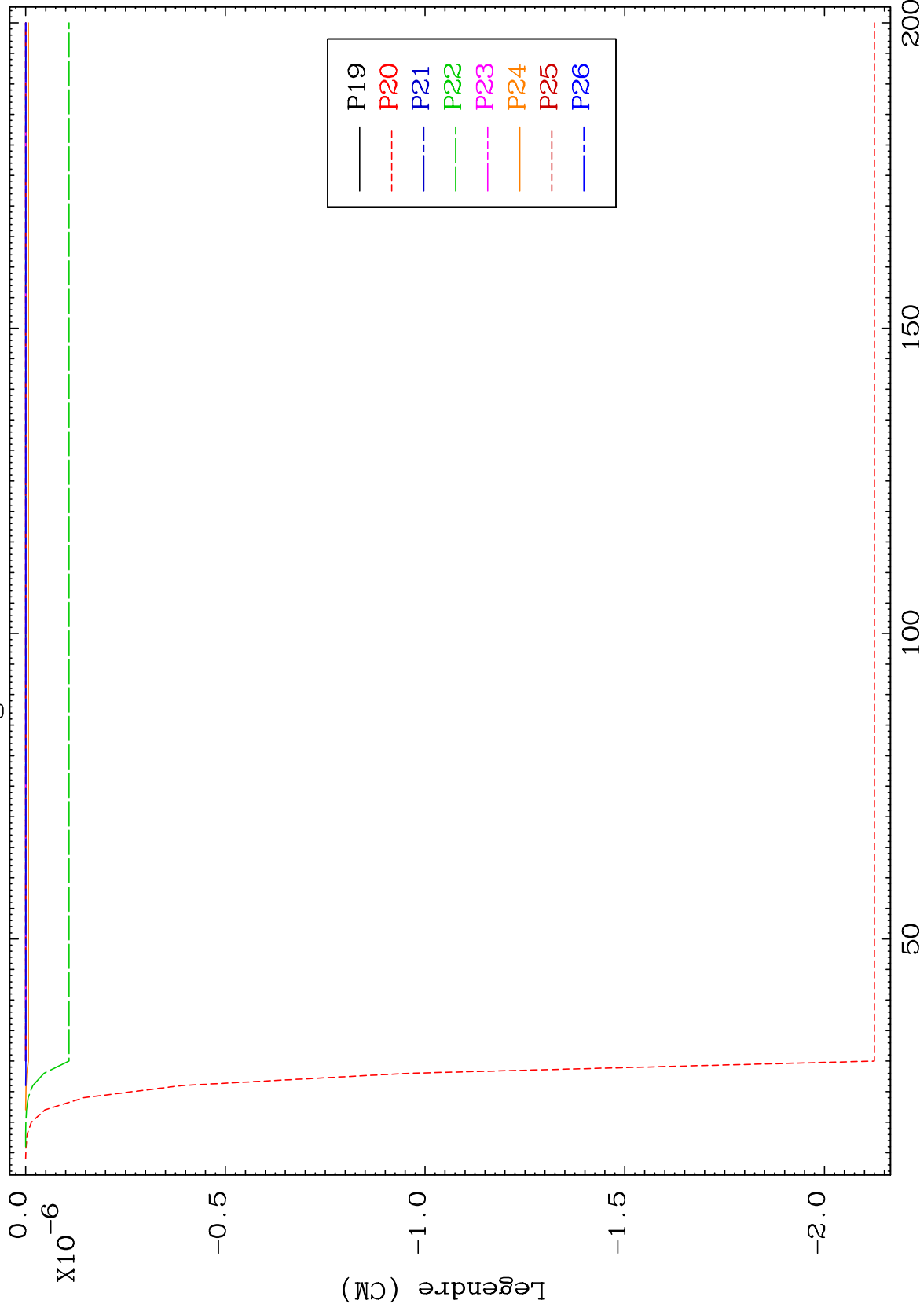
Incident Energy (MeV)

53-I -121

MAT 5307

MT= 65 (n,n') Level
Legendre Coefficients

53-I -121



69

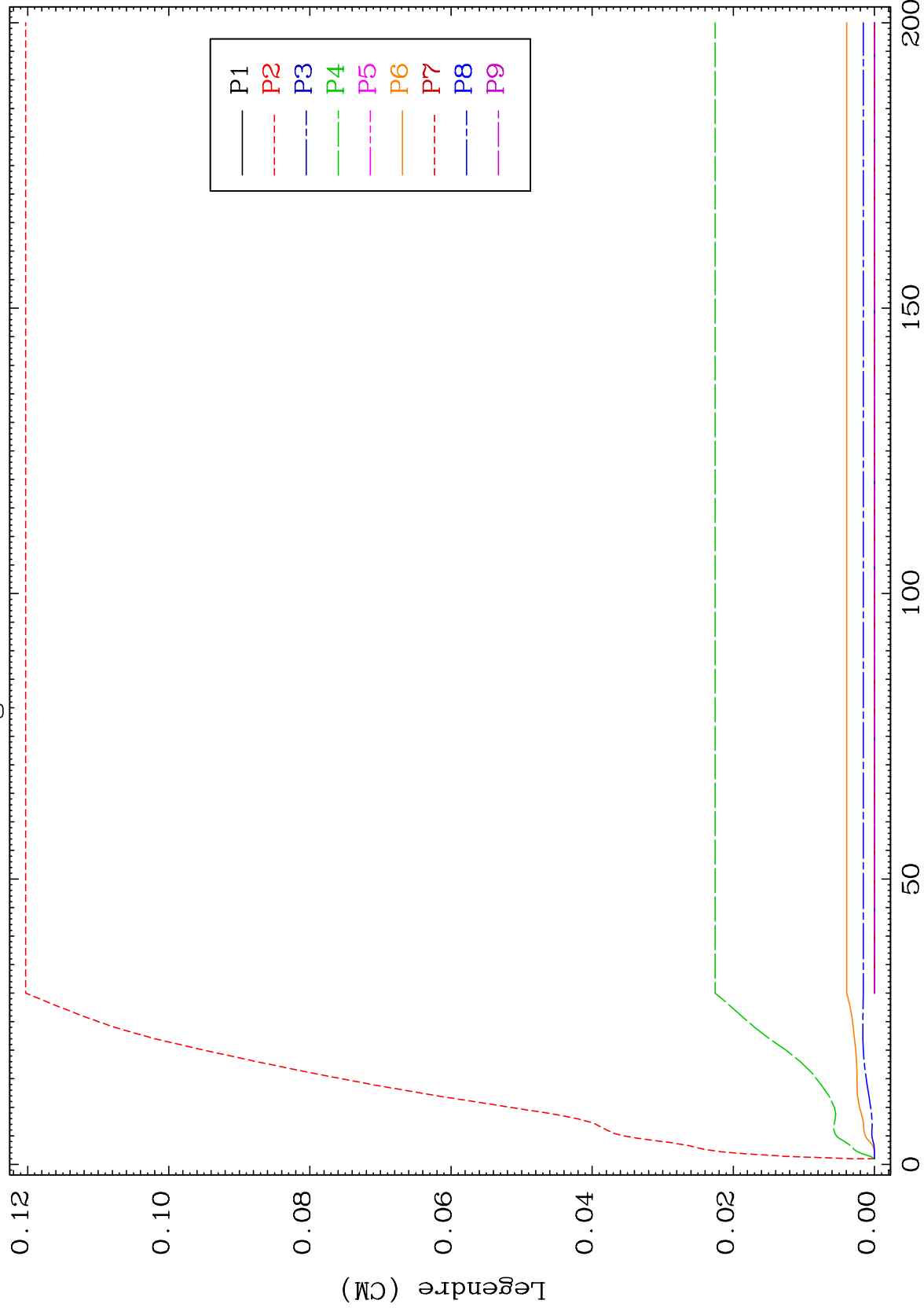
Incident Energy (MeV)

53-I -121

MAT 5307

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

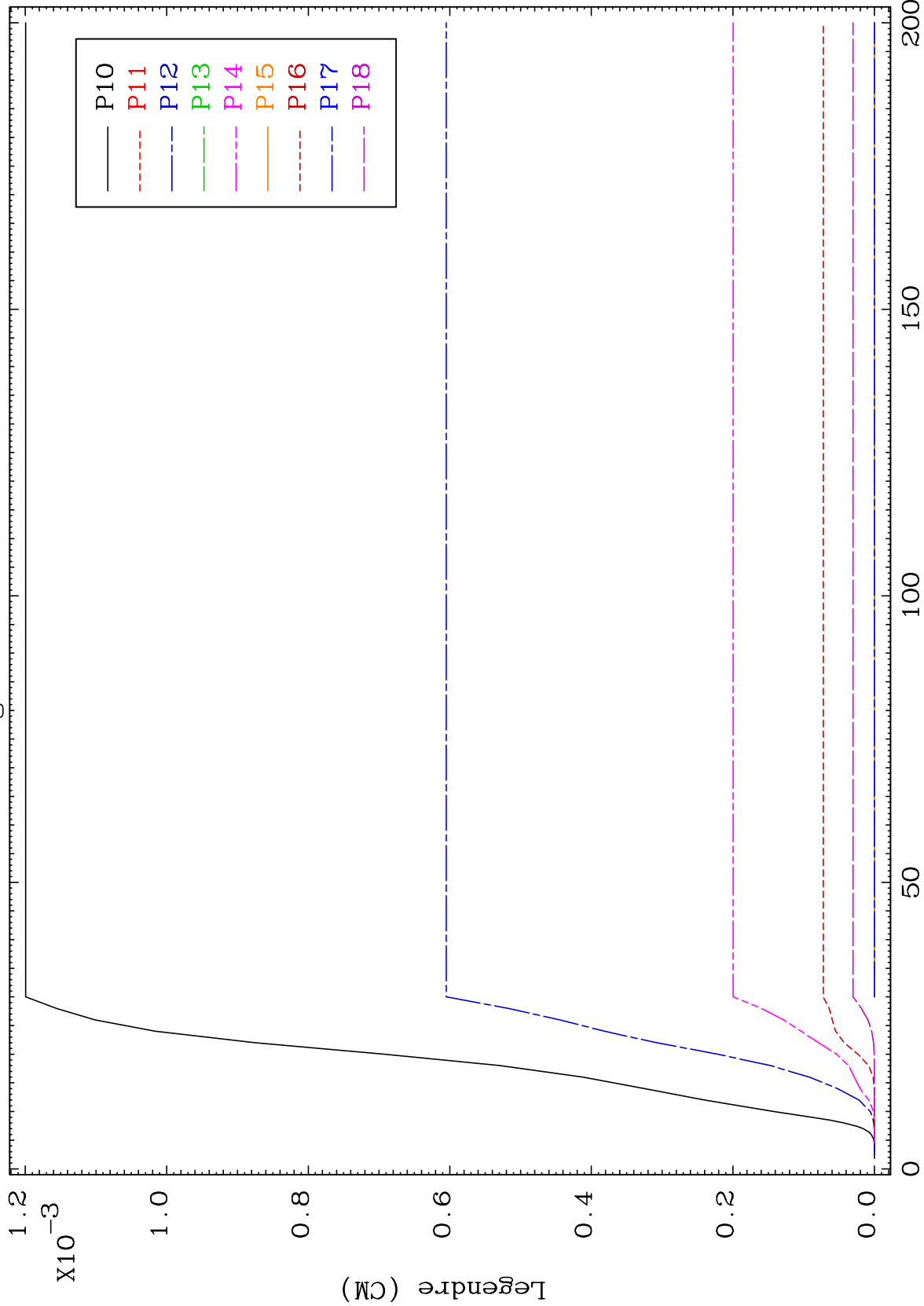
53-I -121



53-I -121

Incident Energy (MeV)

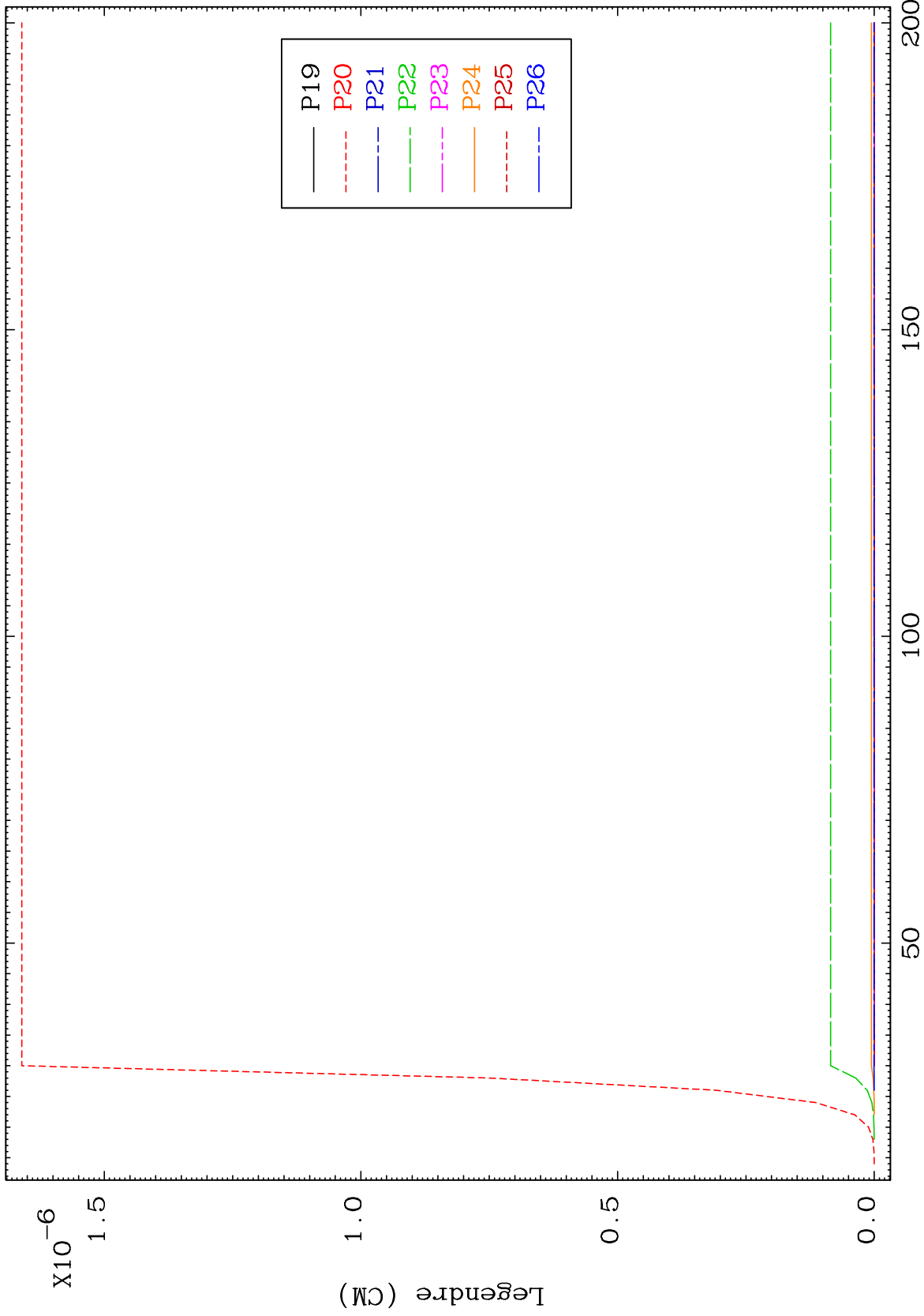
70



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

53-I -121



72

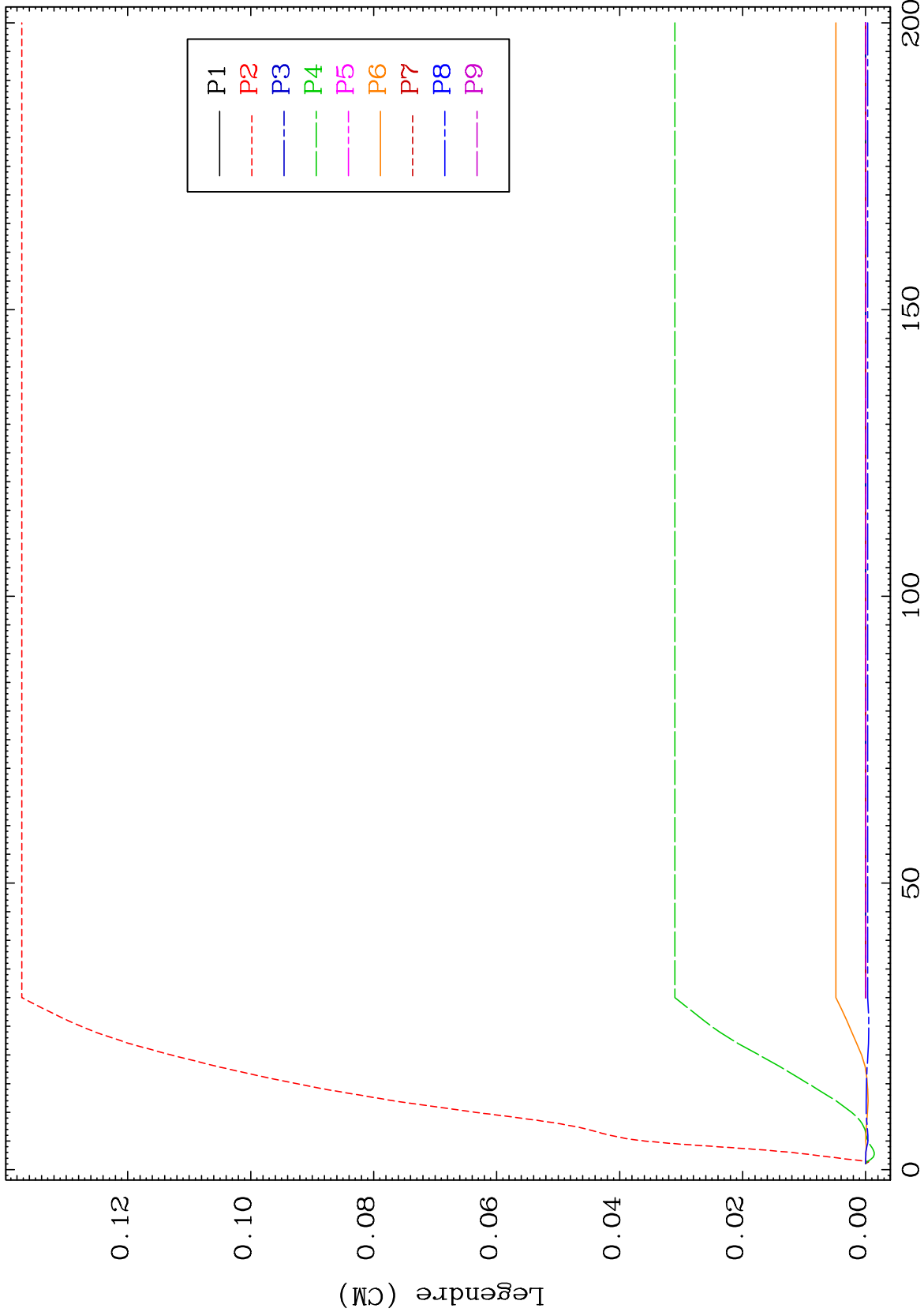
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



73

Incident Energy (MeV)

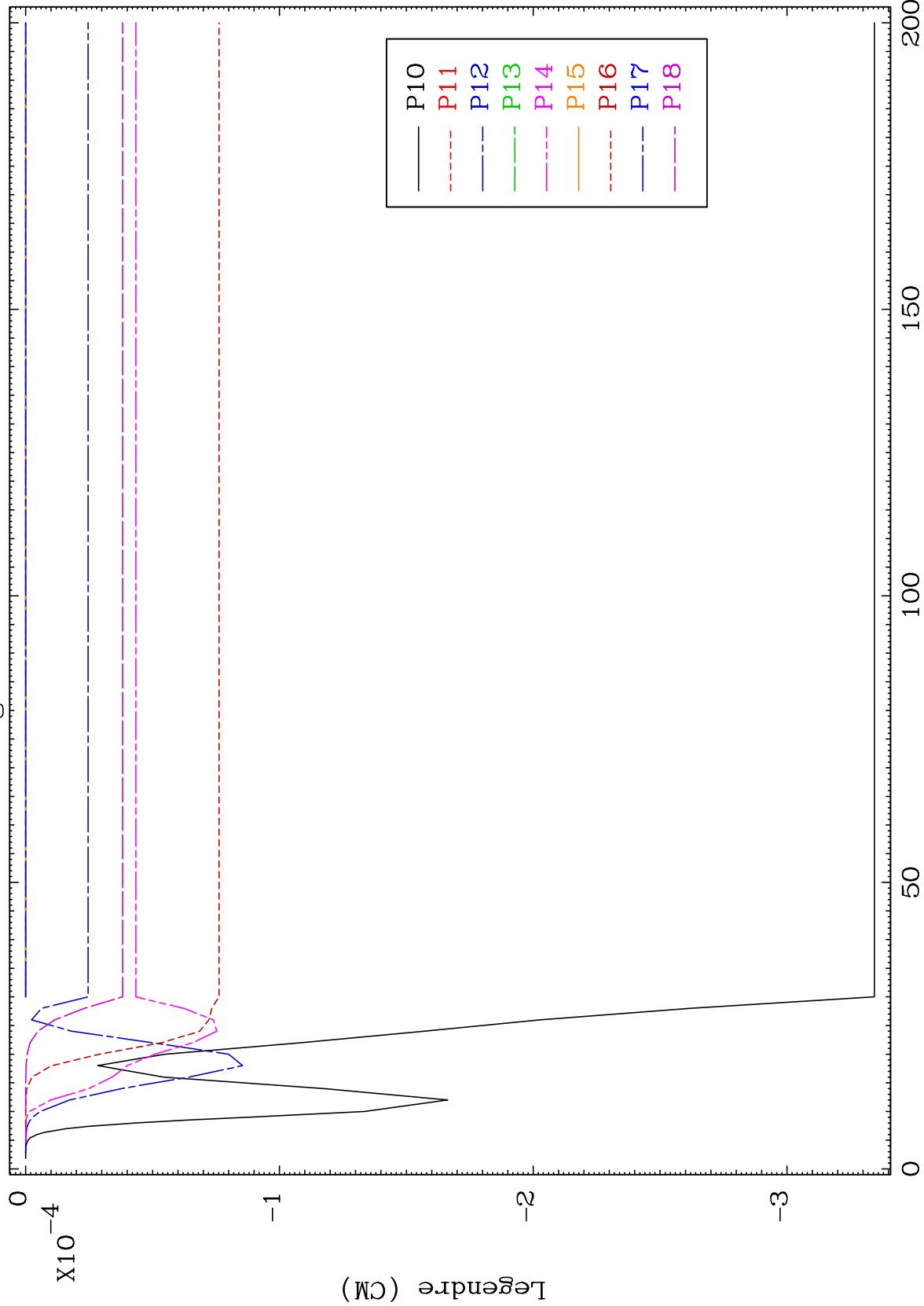
53-I -121

MAT 5307

MT= 67 (n,n') Level

53-I -121

Legendre Coefficients



74

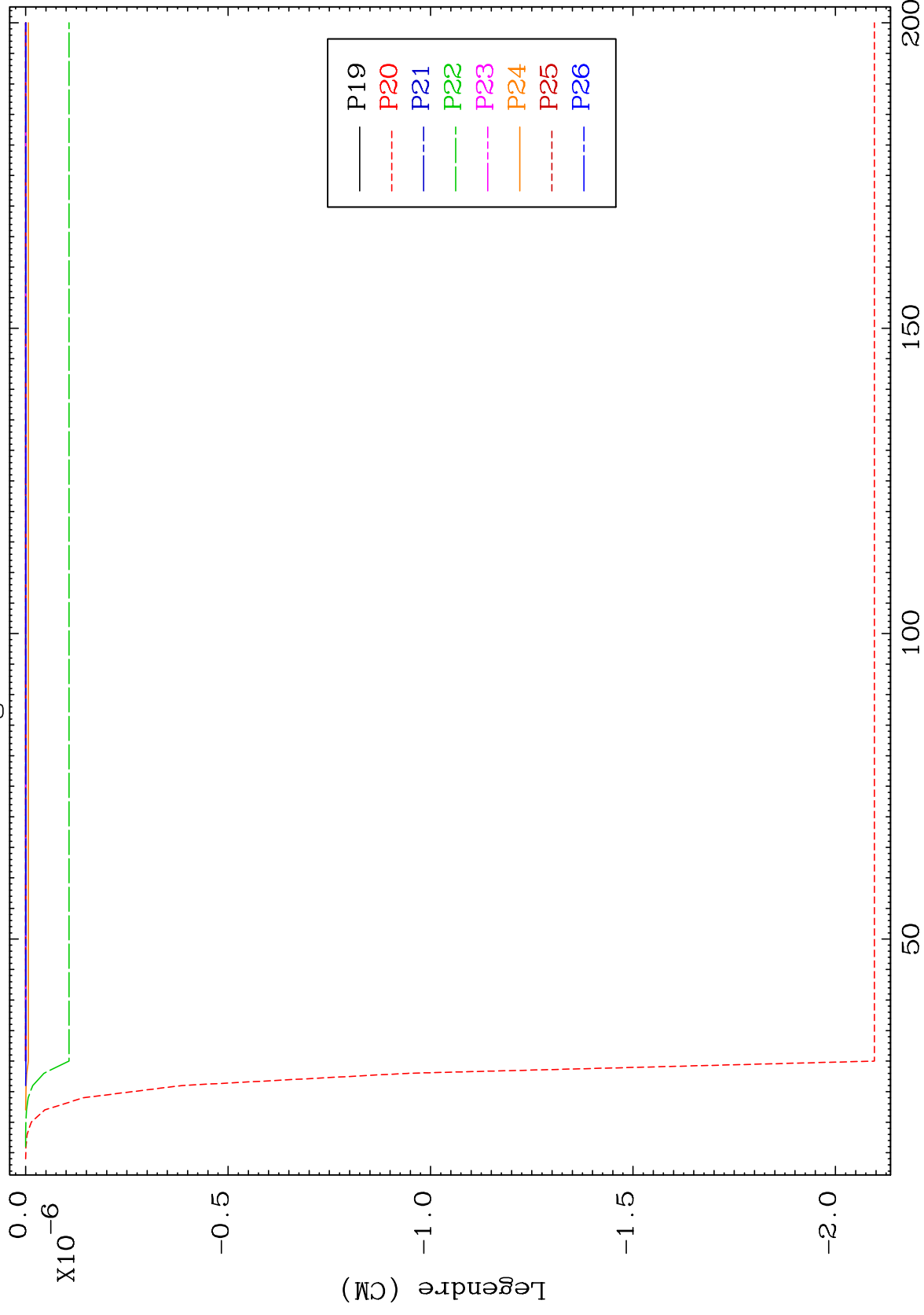
Incident Energy (MeV)

53-I -121

MAT 5307

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

53-I -121



75

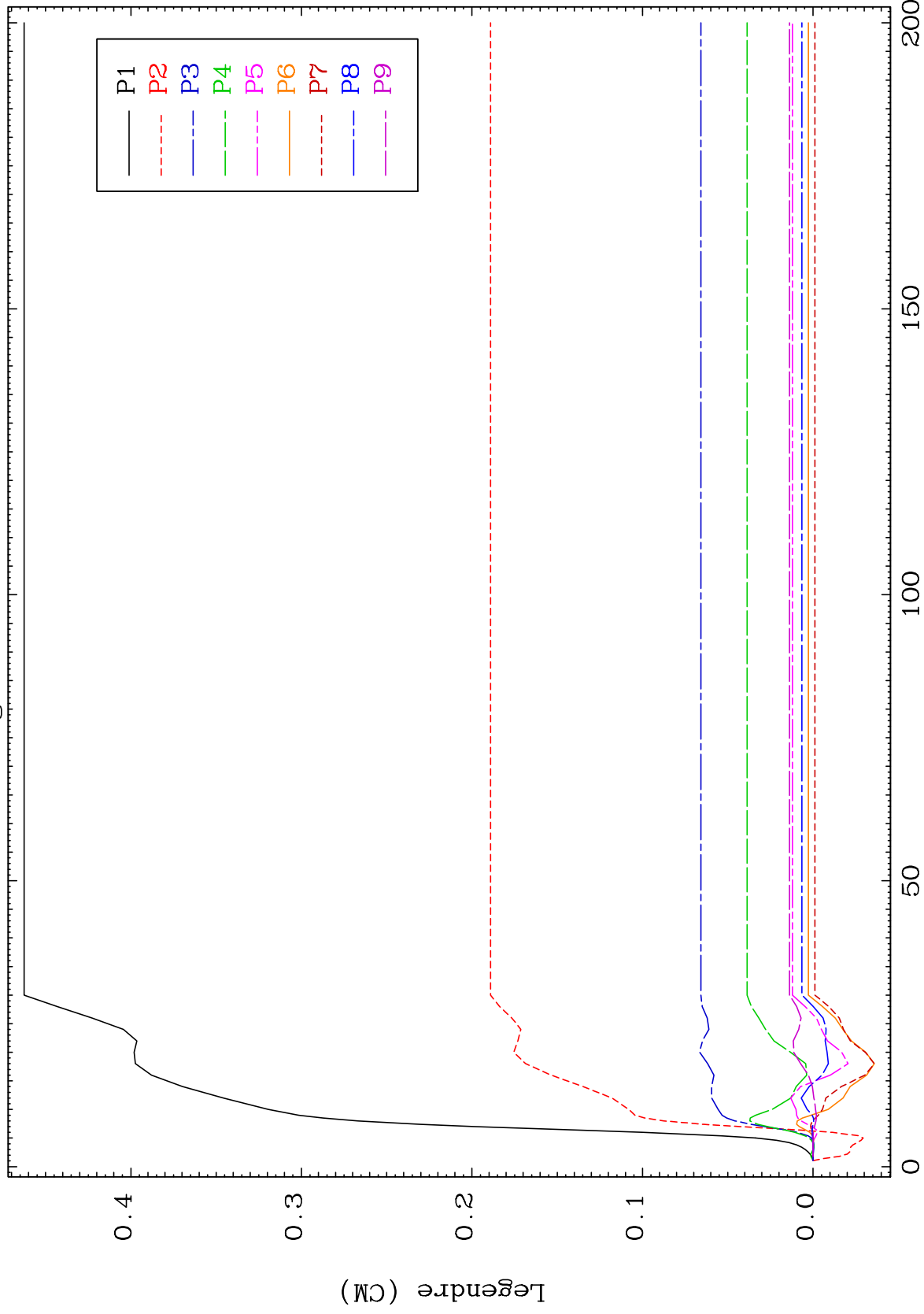
Incident Energy (MeV)

53-I -121

MAT 5307

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

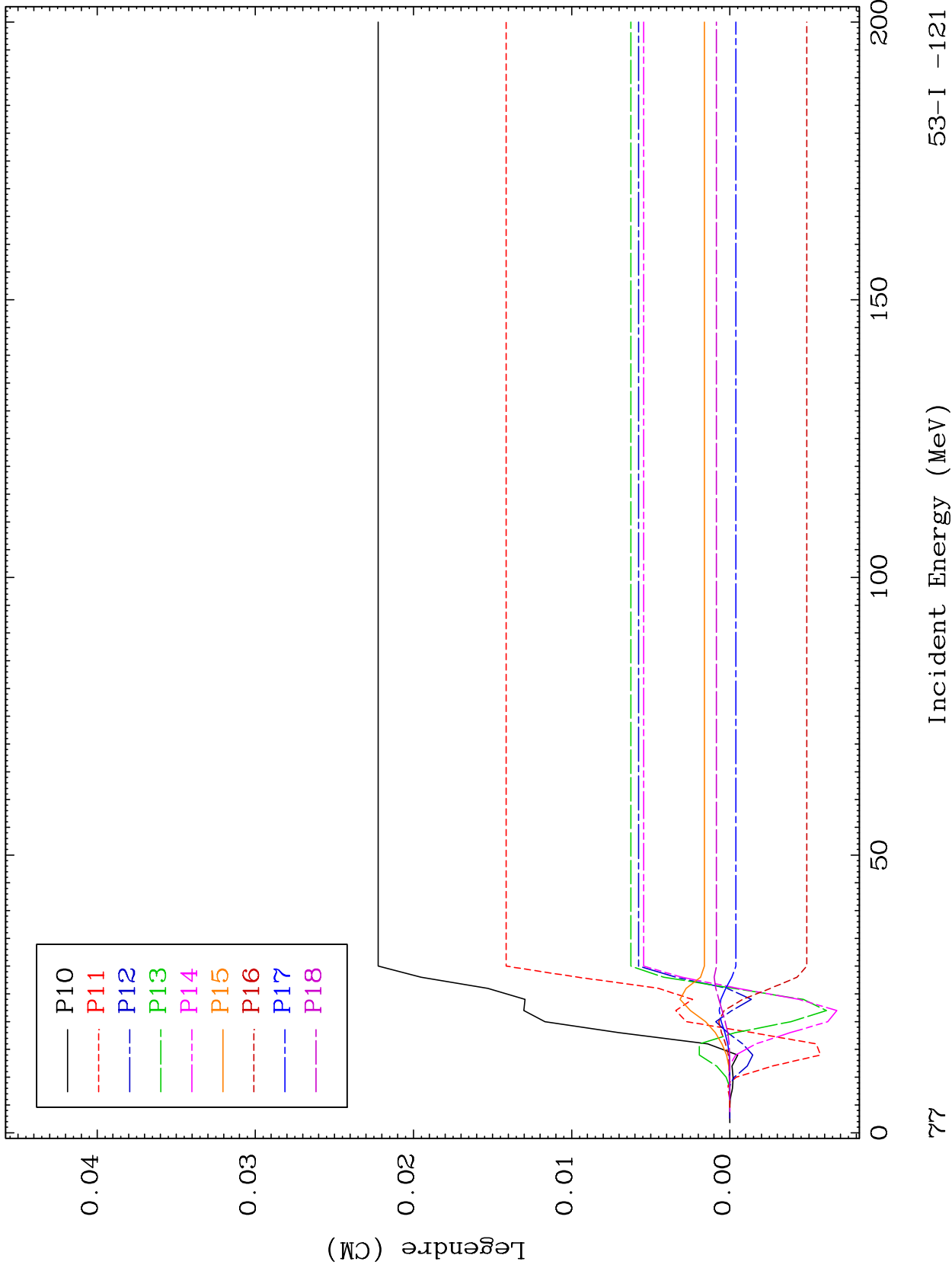
53-I -121

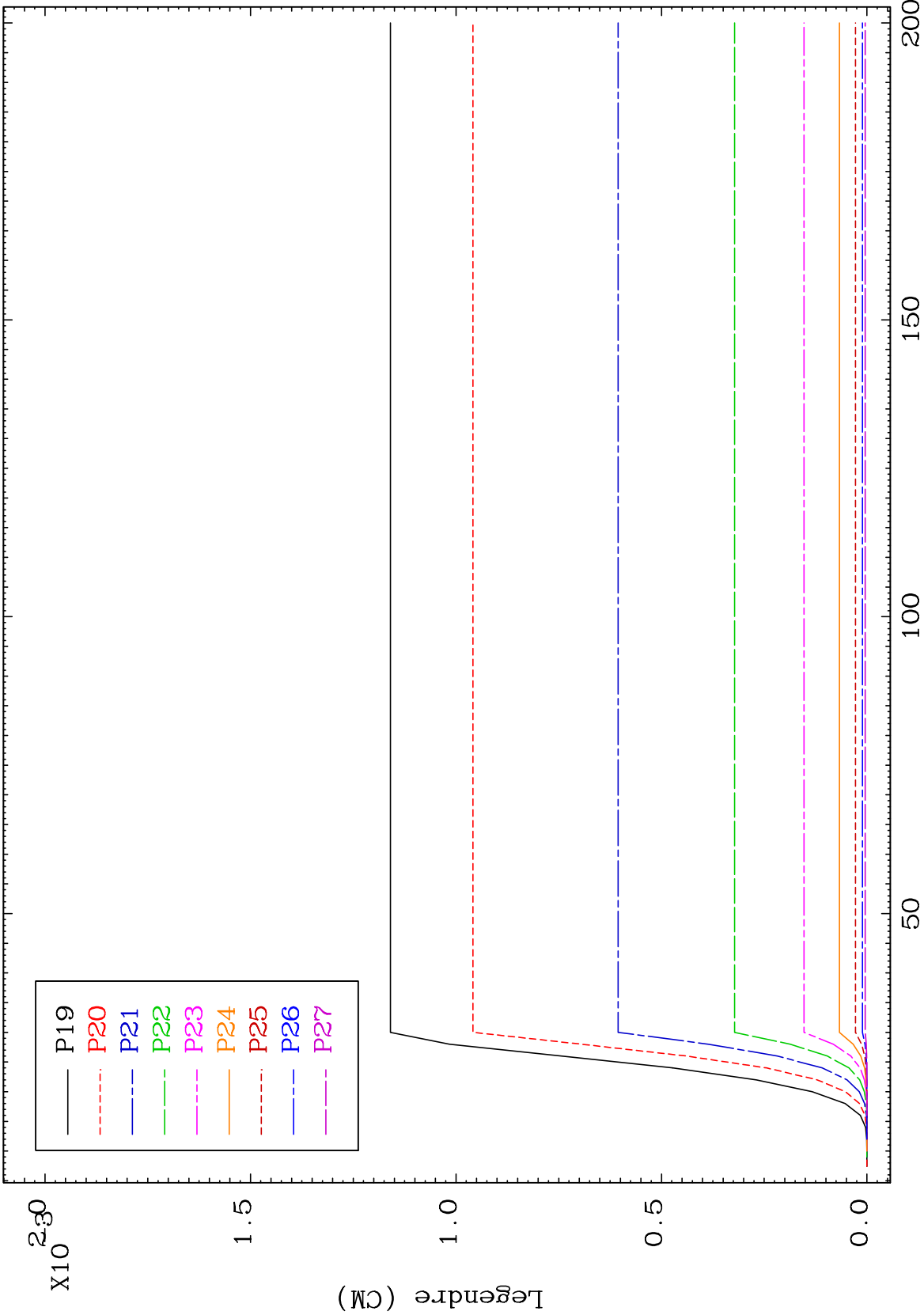


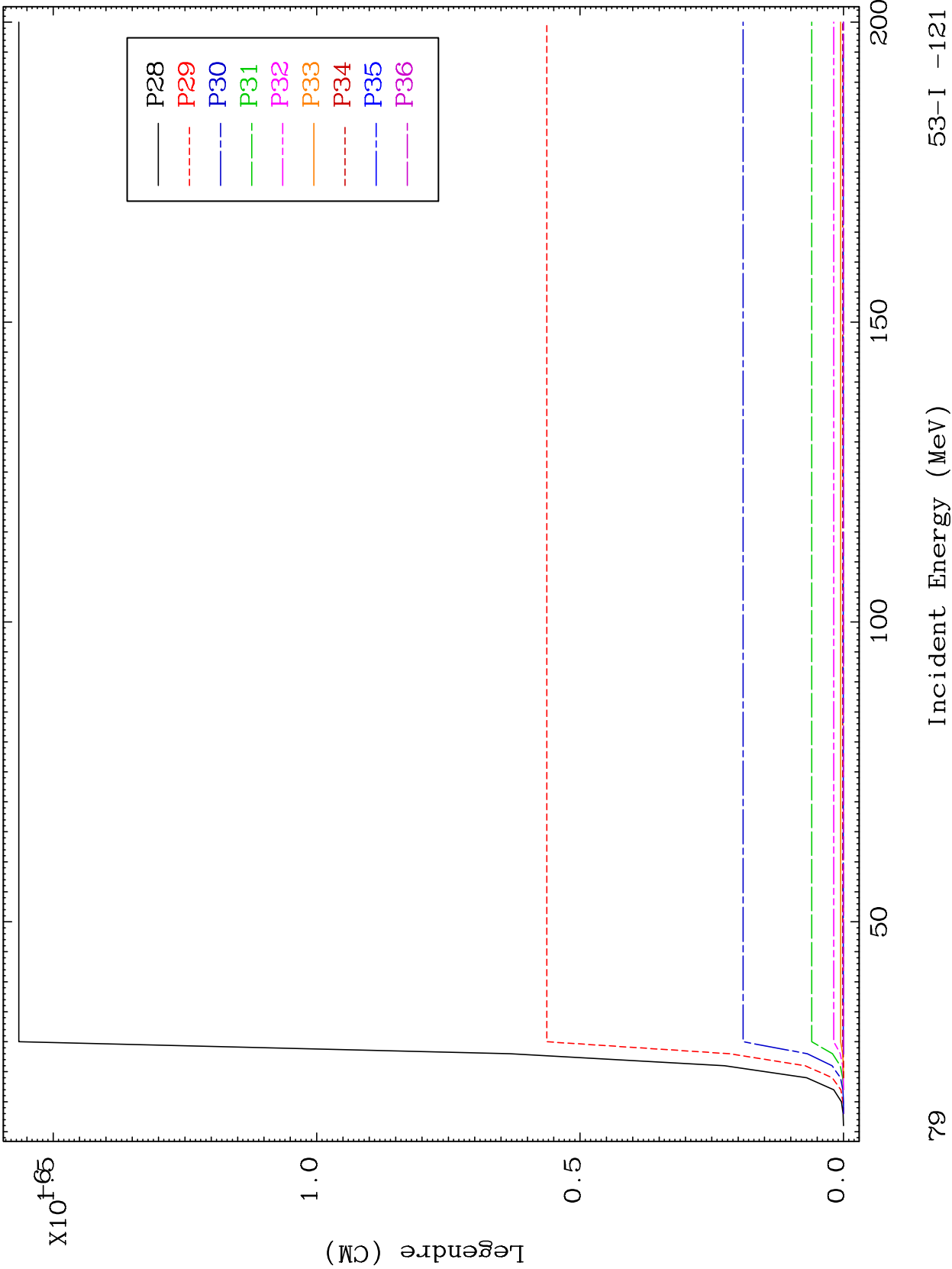
76

Incident Energy (MeV)

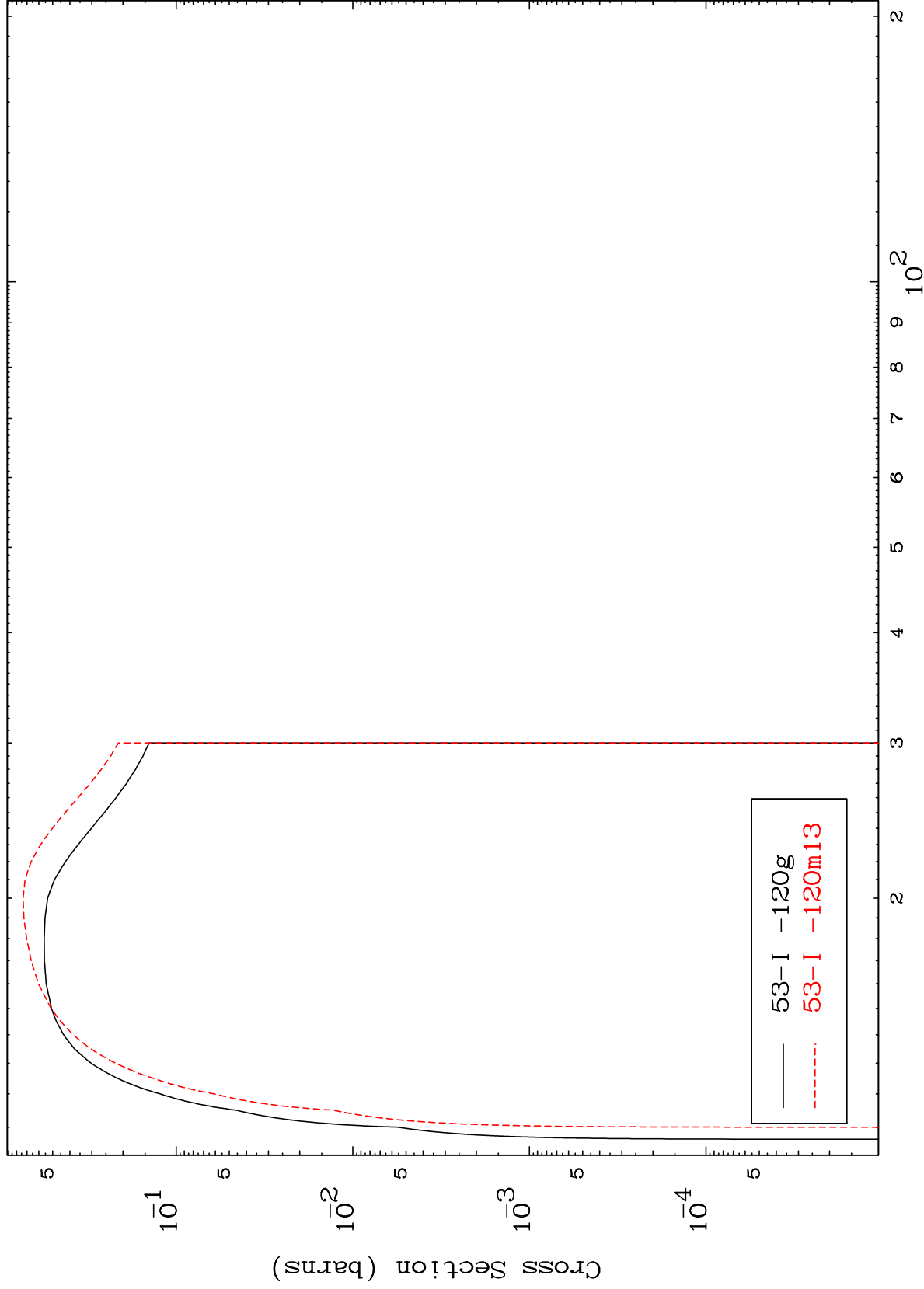
53-I -121







Radionuclide Production Cross Section

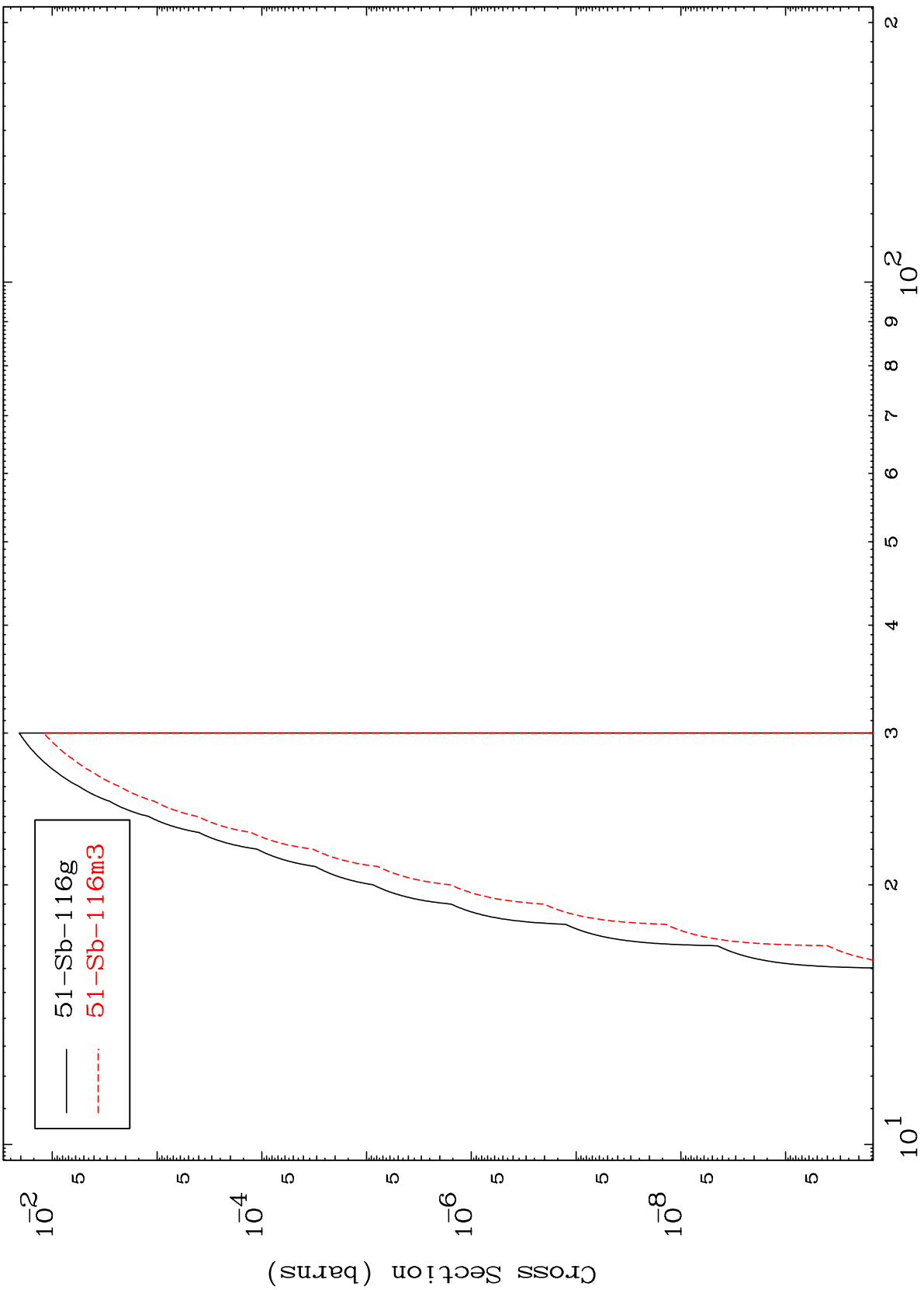


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(n,2n) α

53-I -121

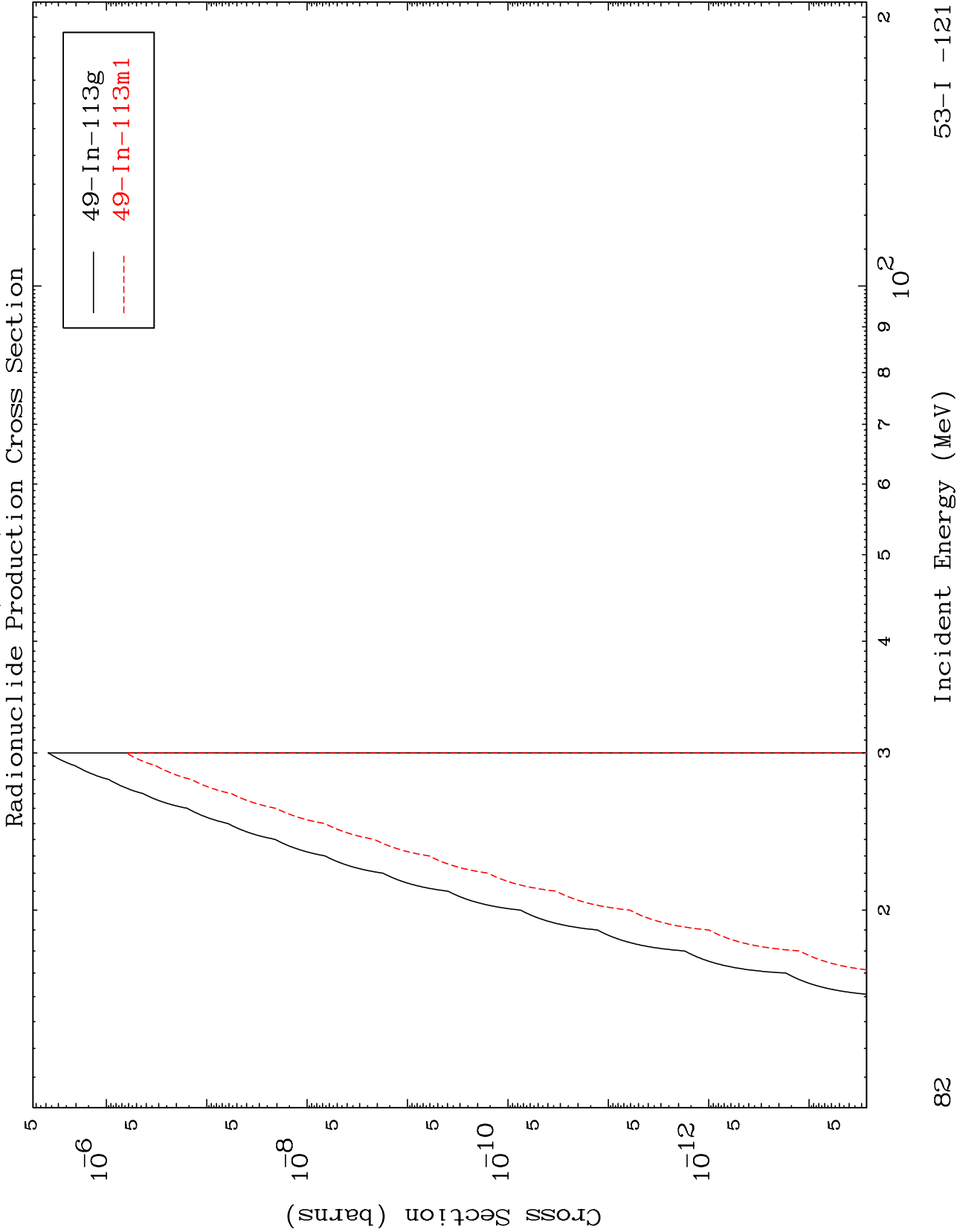
Radionuclide Production Cross Section

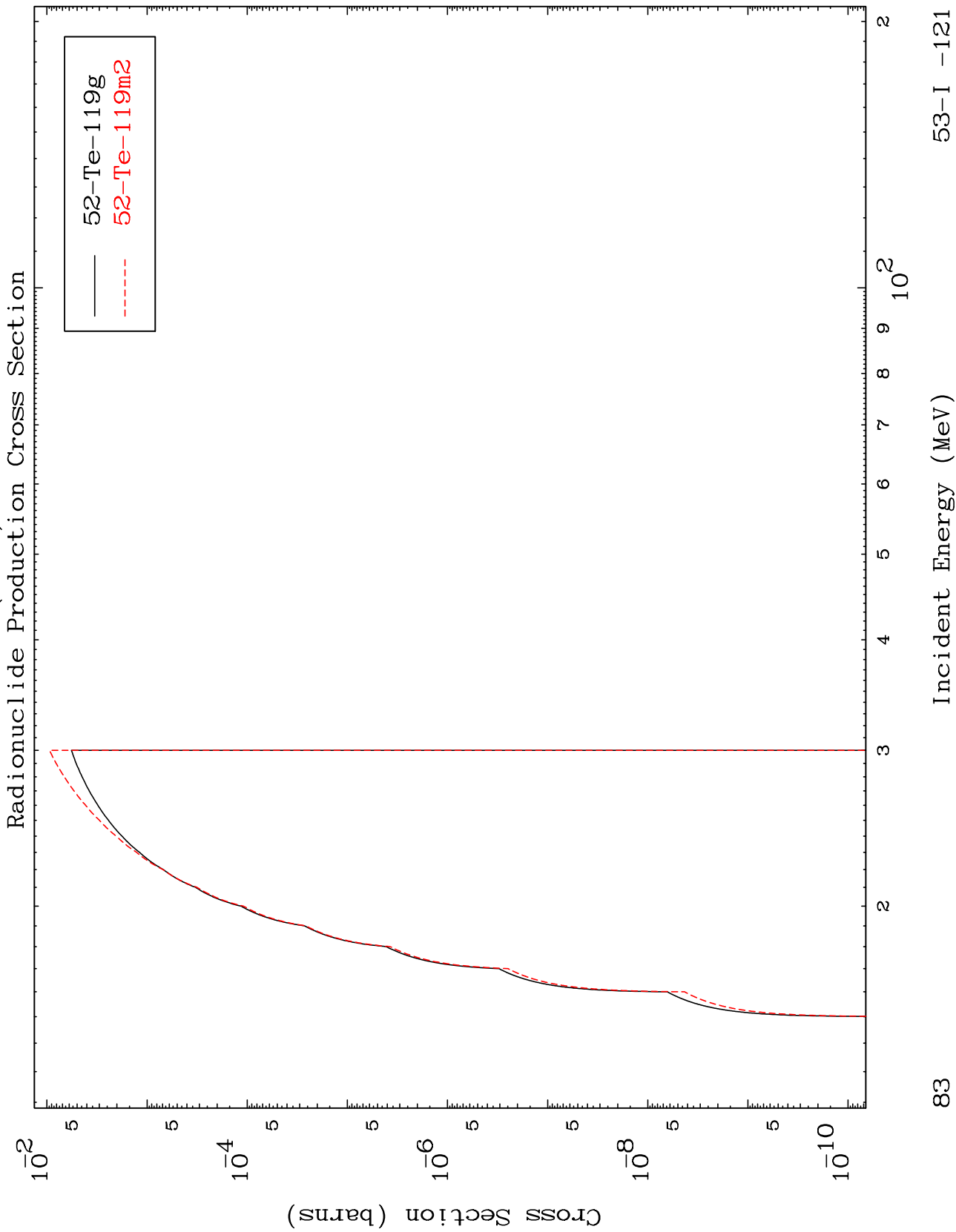


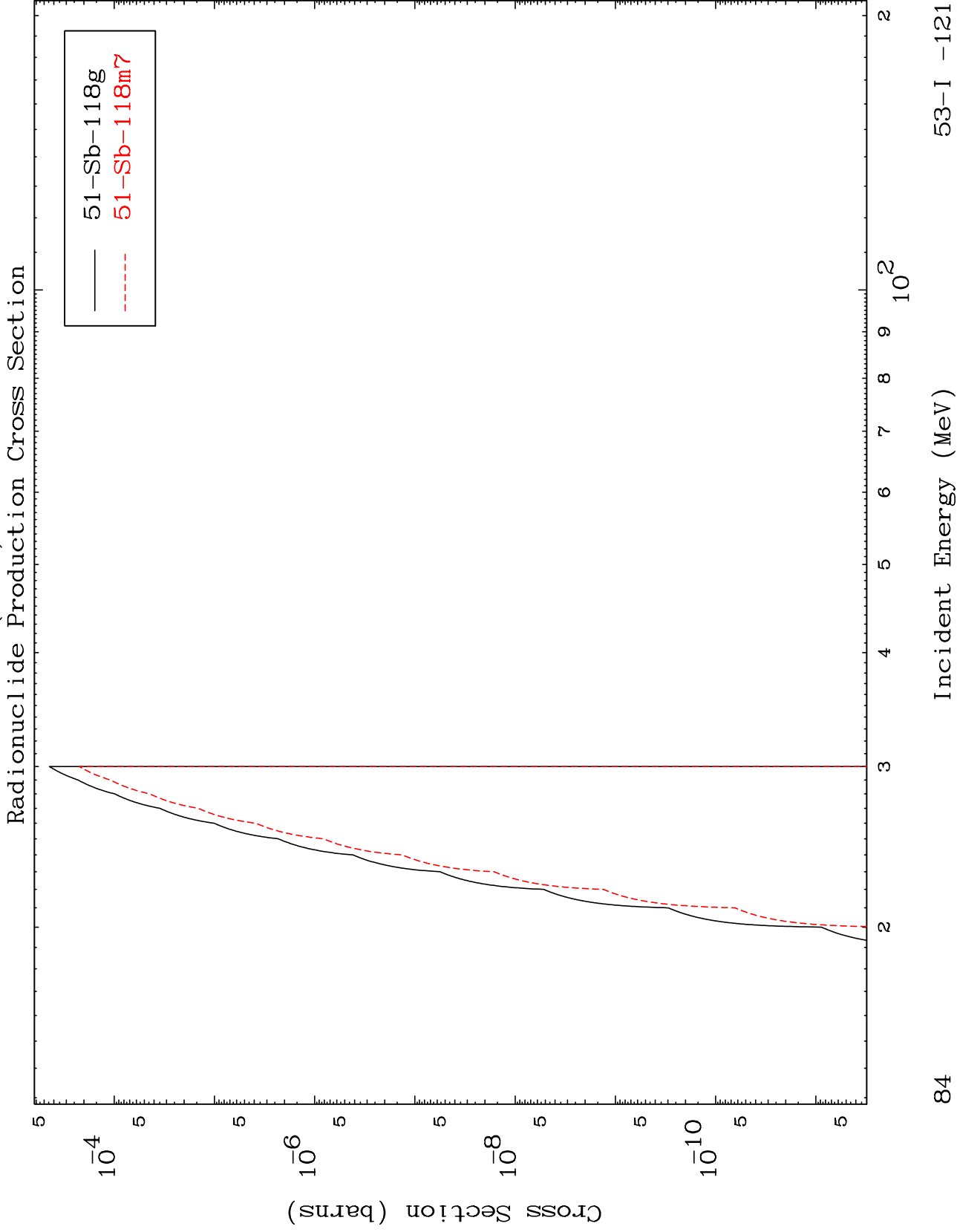
81

Incident Energy (MeV)

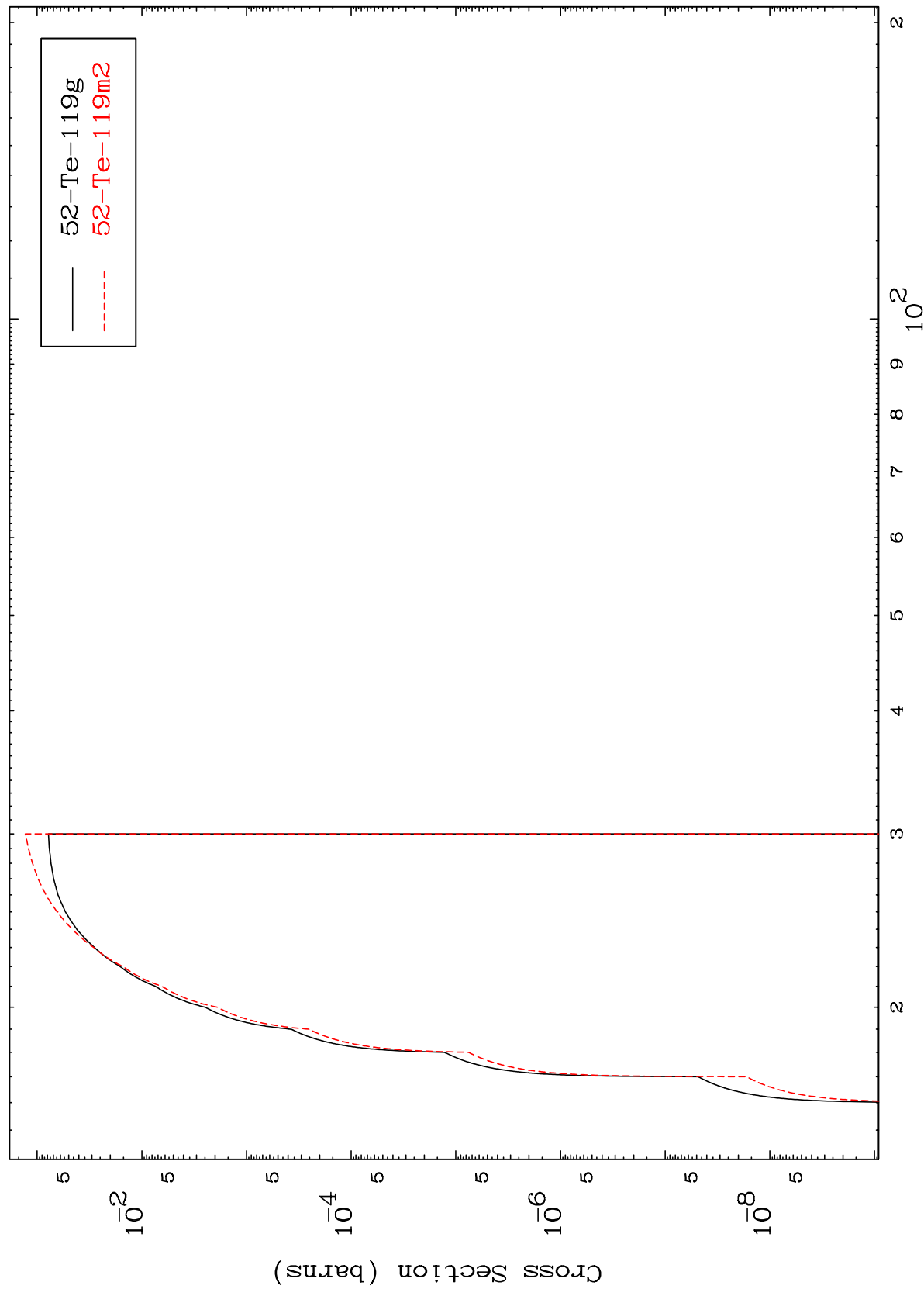
53-I -121



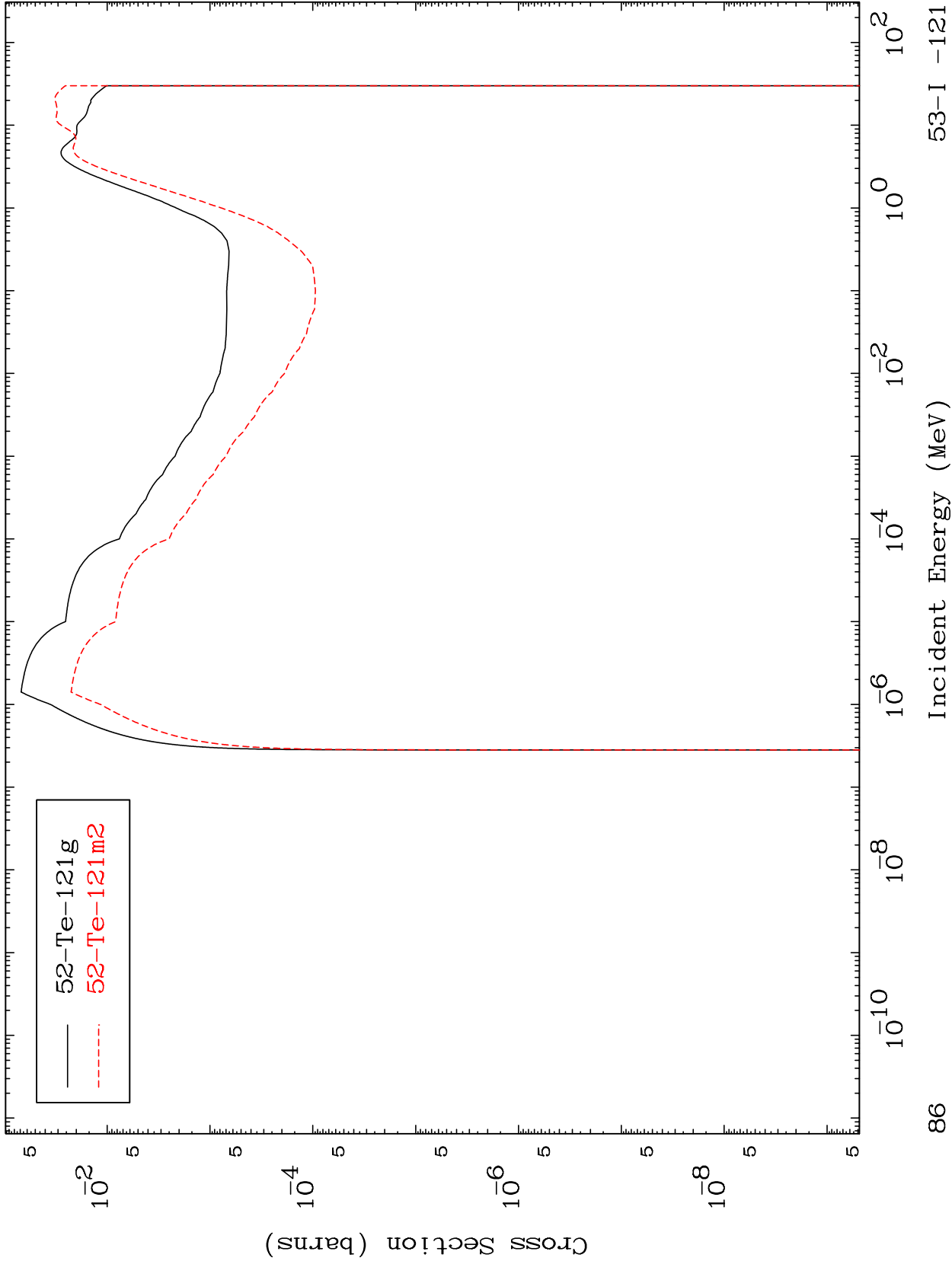




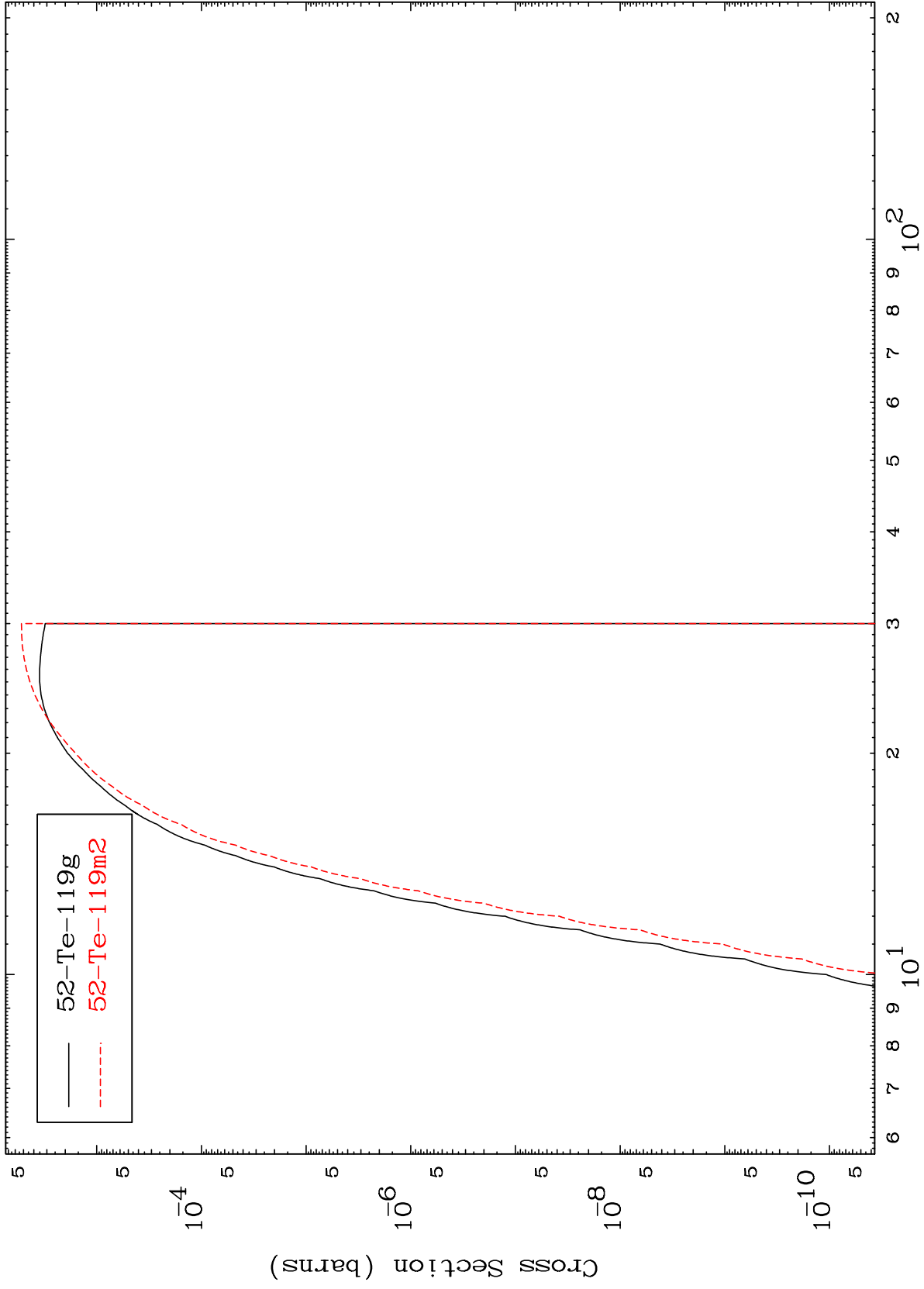
Radionuclide Production Cross Section



(n,p)
Radionuclide Production Cross Section



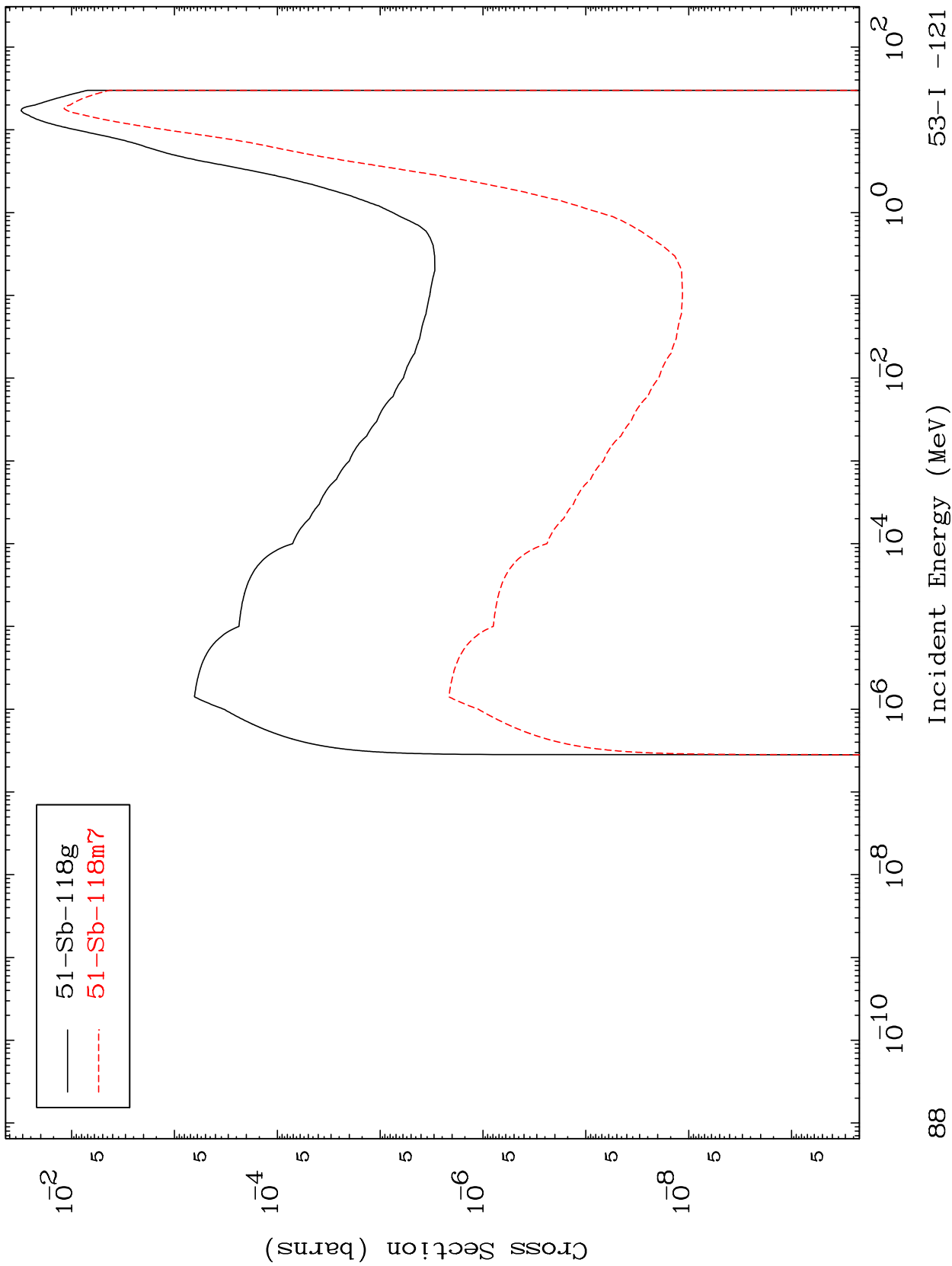
(n,t)
Radionuclide Production Cross Section



MAT 5307

53-I -121

(n, α)
Radionuclide Production Cross Section

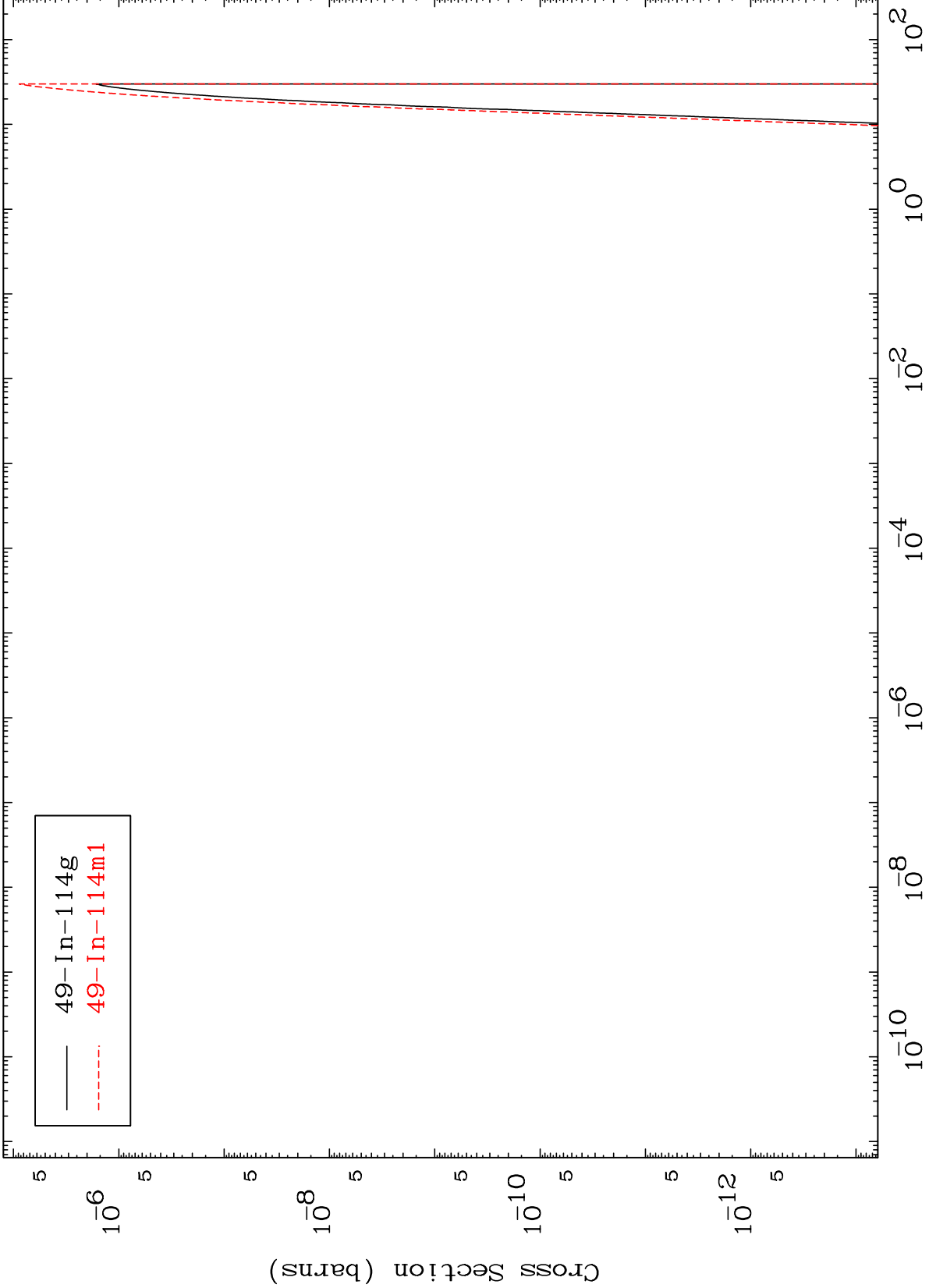


MAT 5307

(n,2α)

53-I -121

Radionuclide Production Cross Section



(n,2p)
Radionuclide Production Cross Section

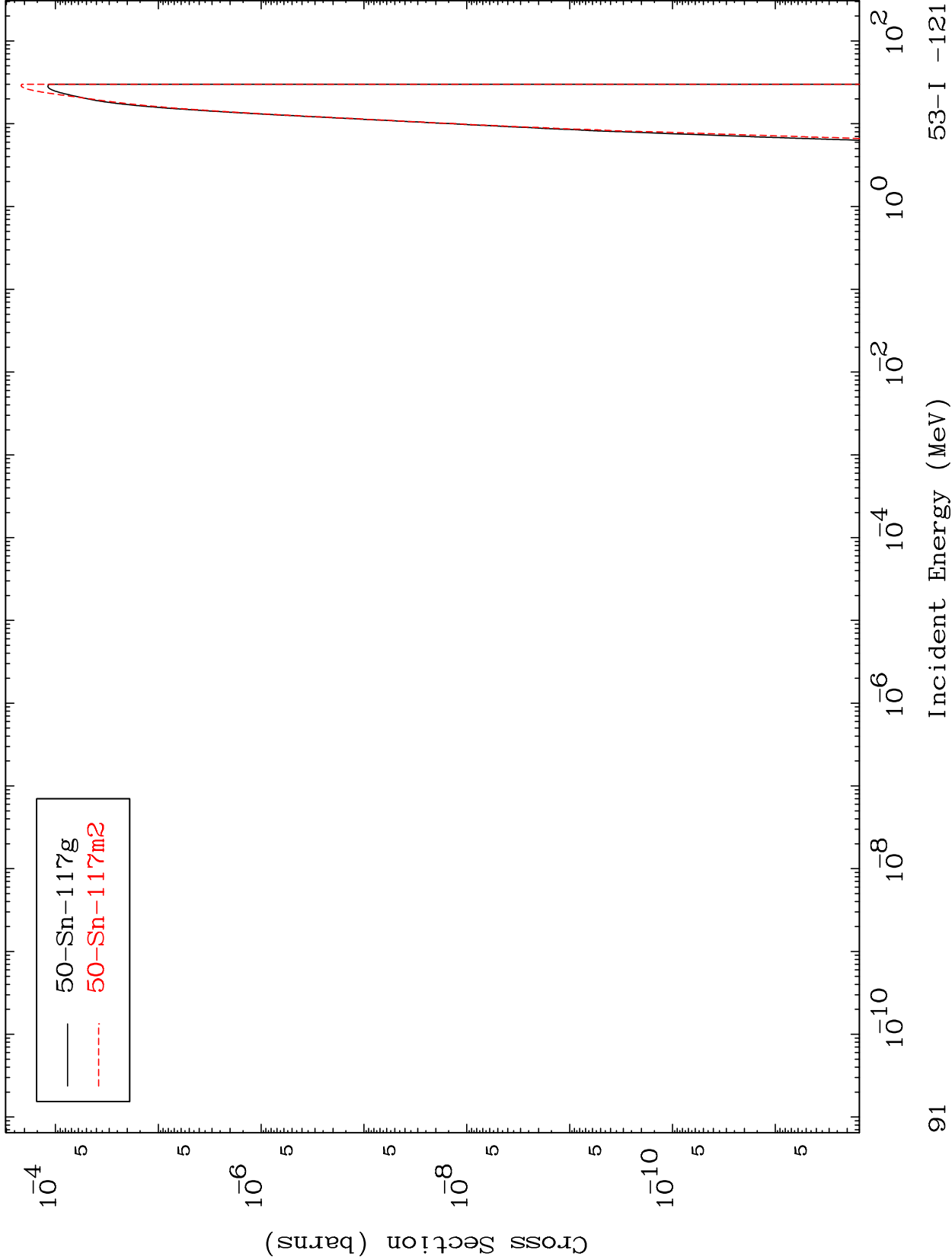


MAT 5307

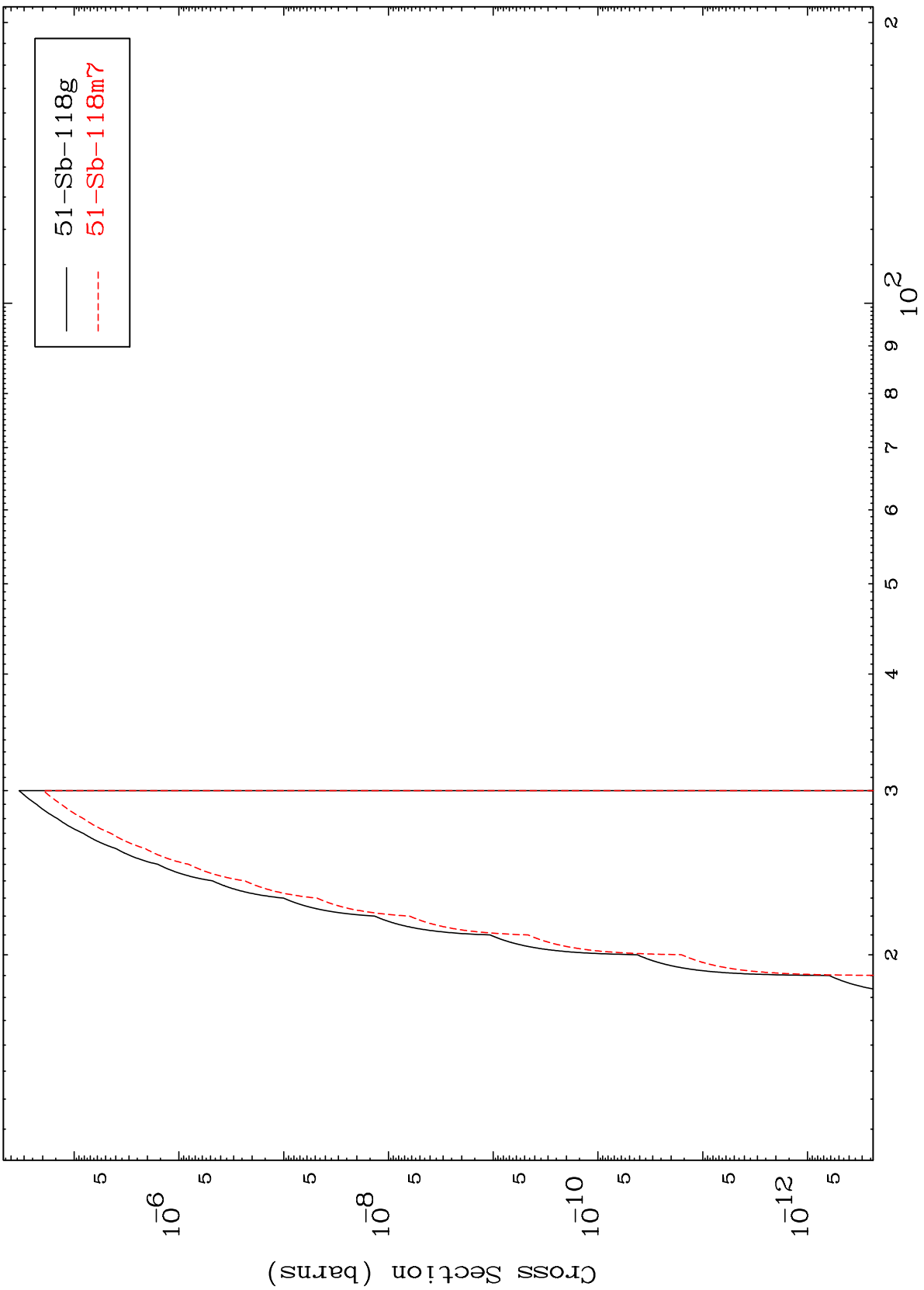
(n,p) α

53-I -121

Radionuclide Production Cross Section



Radionuclide Production Cross Section



51-Sb-118g
51-Sb-118m7