

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

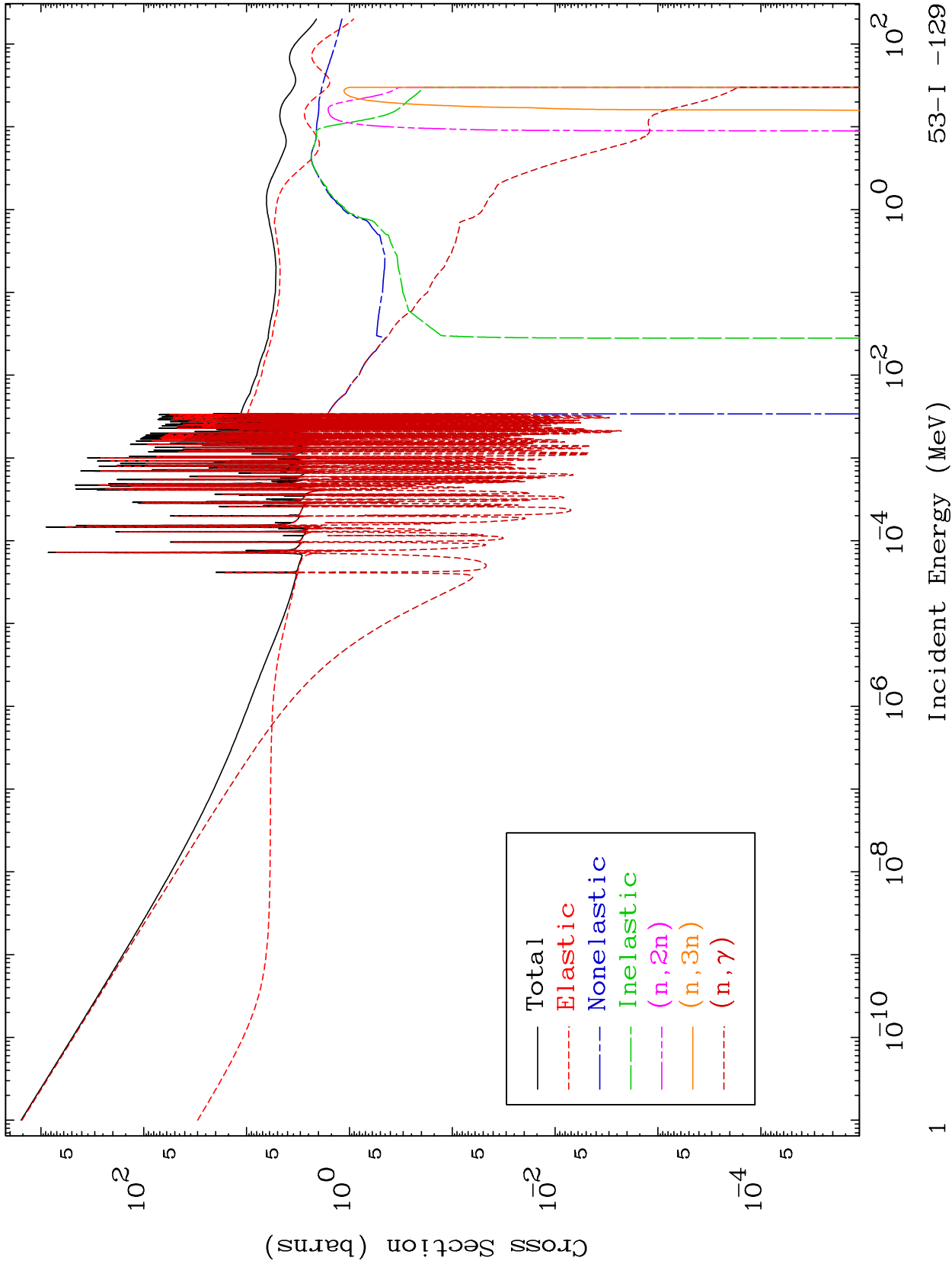
Web:redcullen1.net/HOMEPAGE.NEW

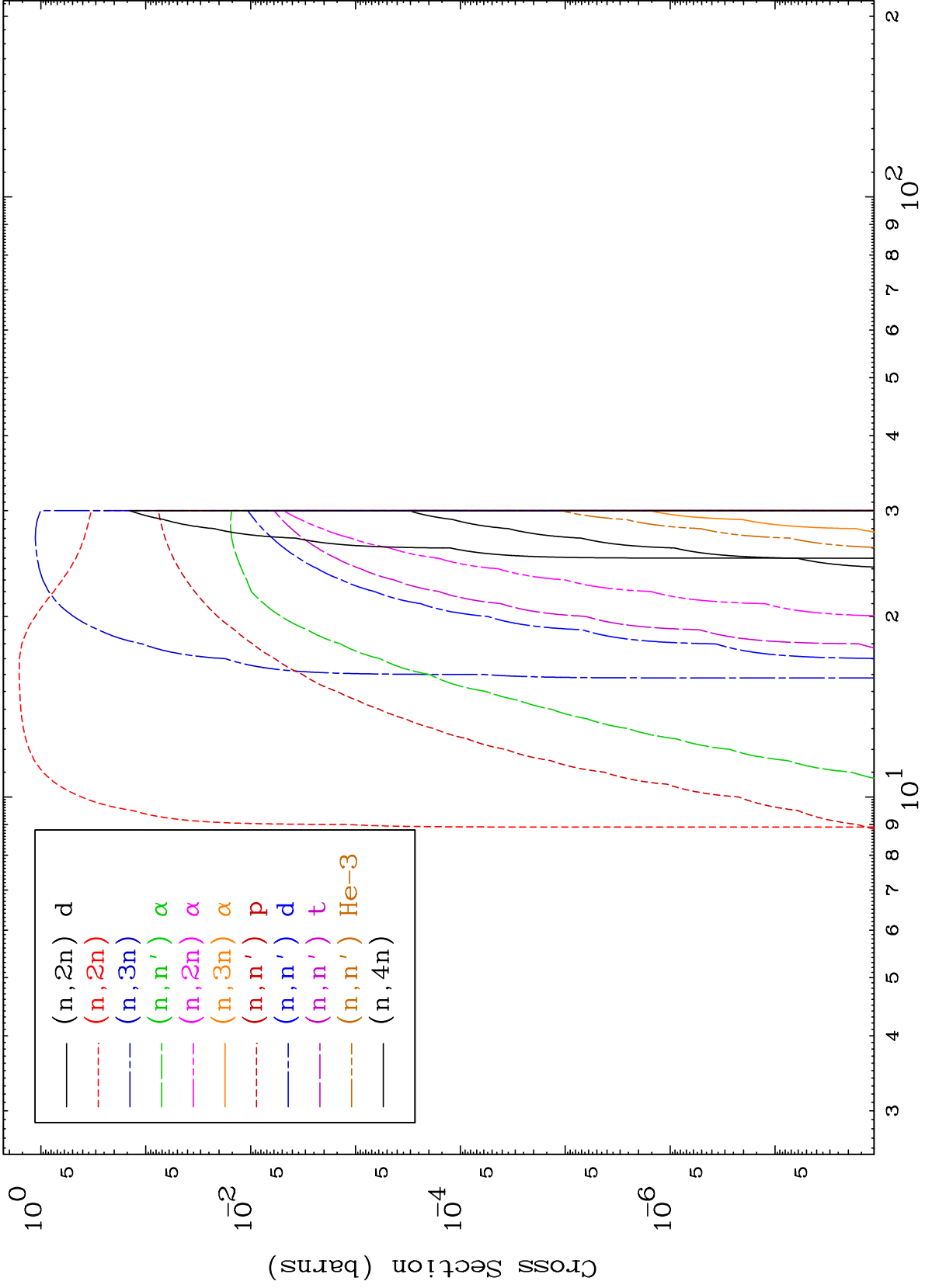
Press Mouse Button to Start

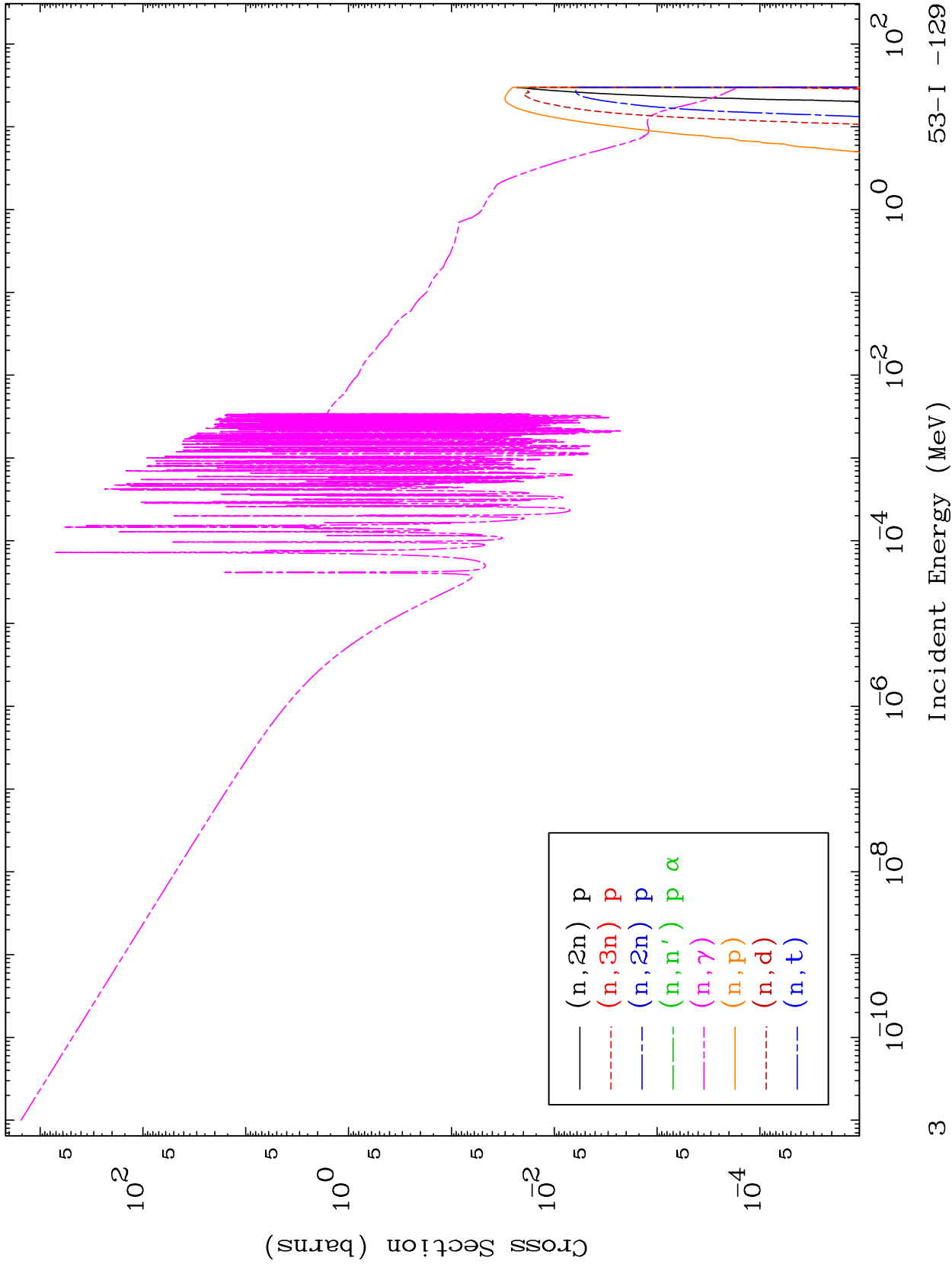
MAT 5331

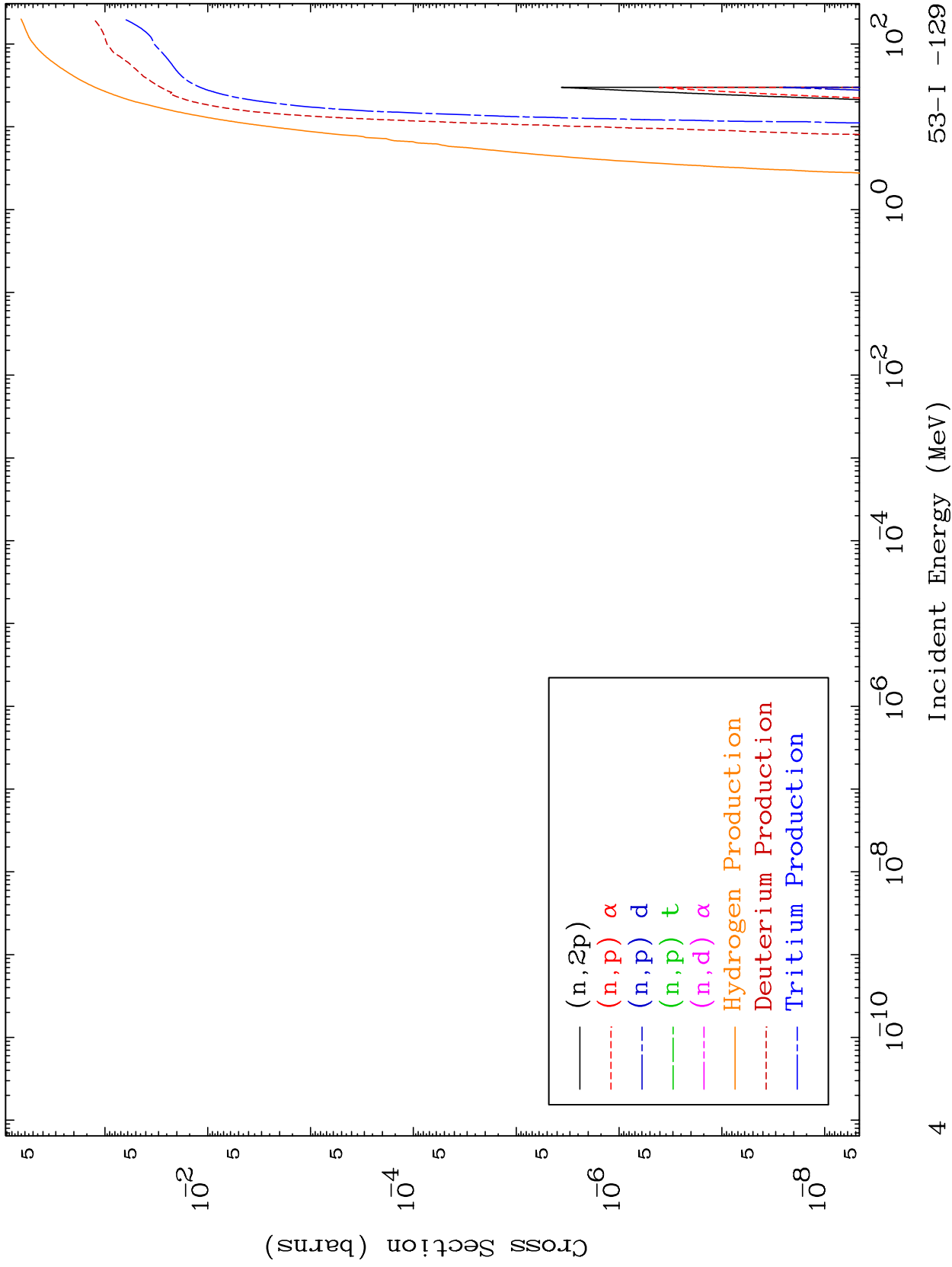
Neutron Major
293 Kelvin Cross Sections

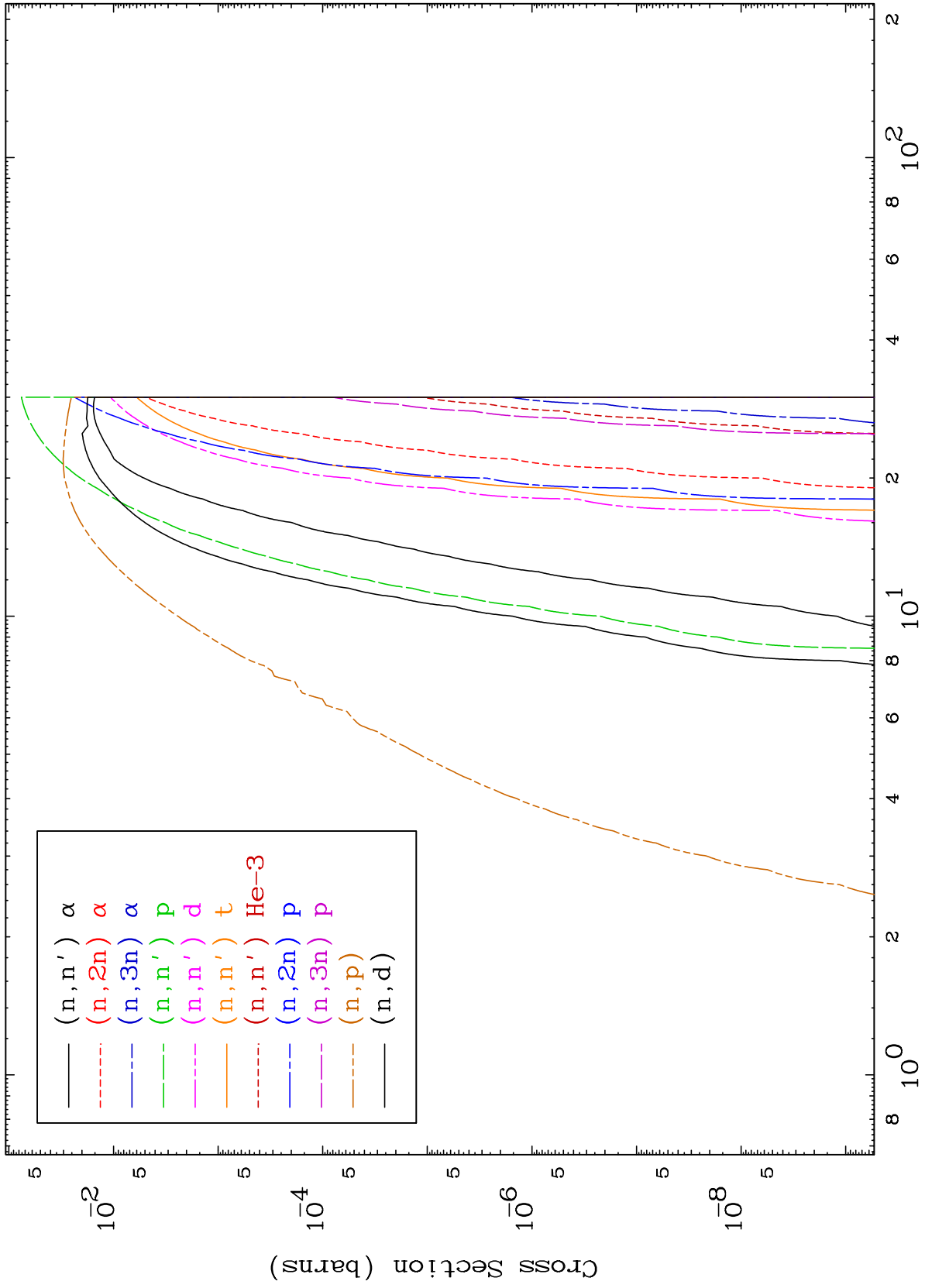
53-I -129







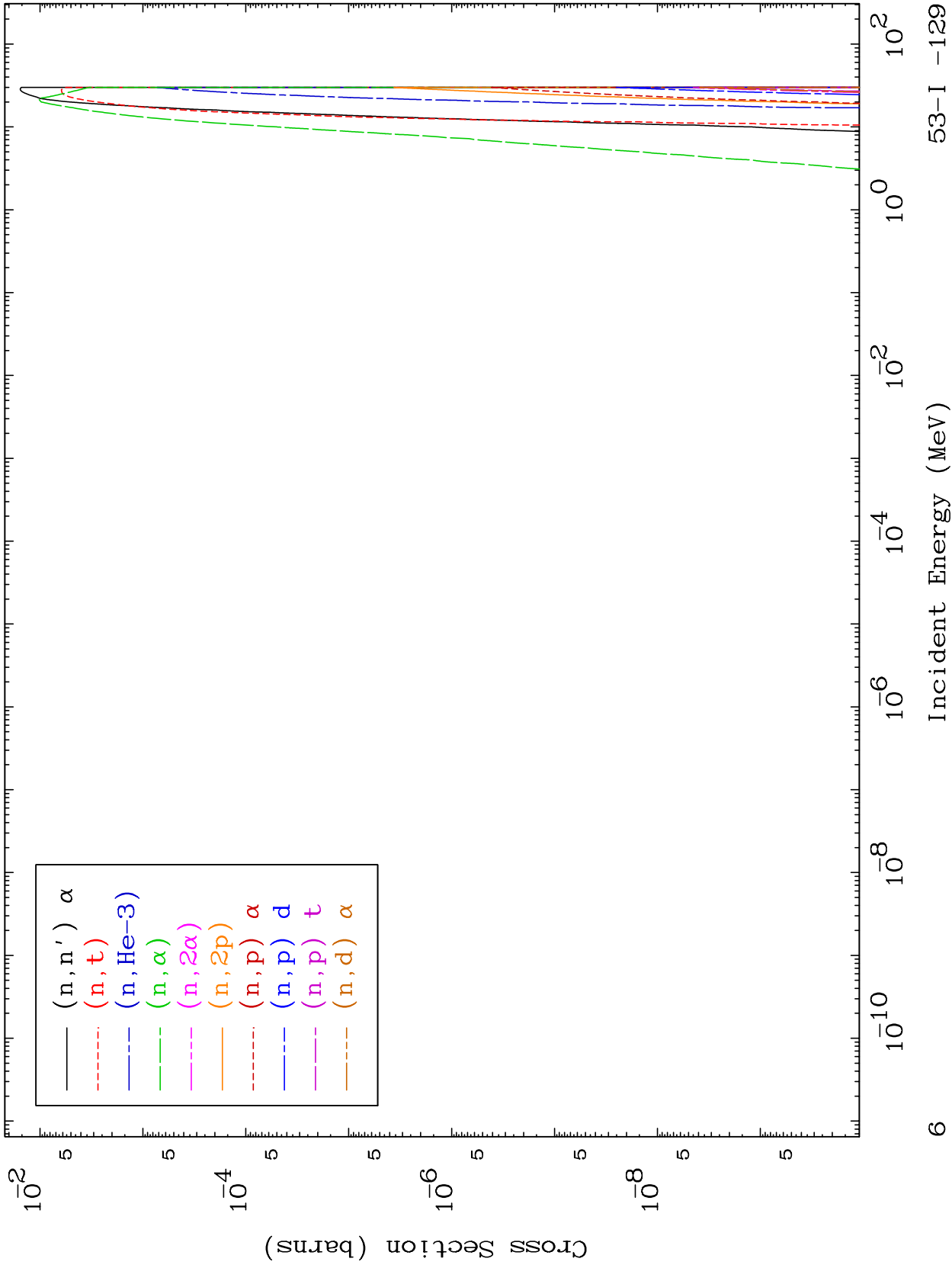


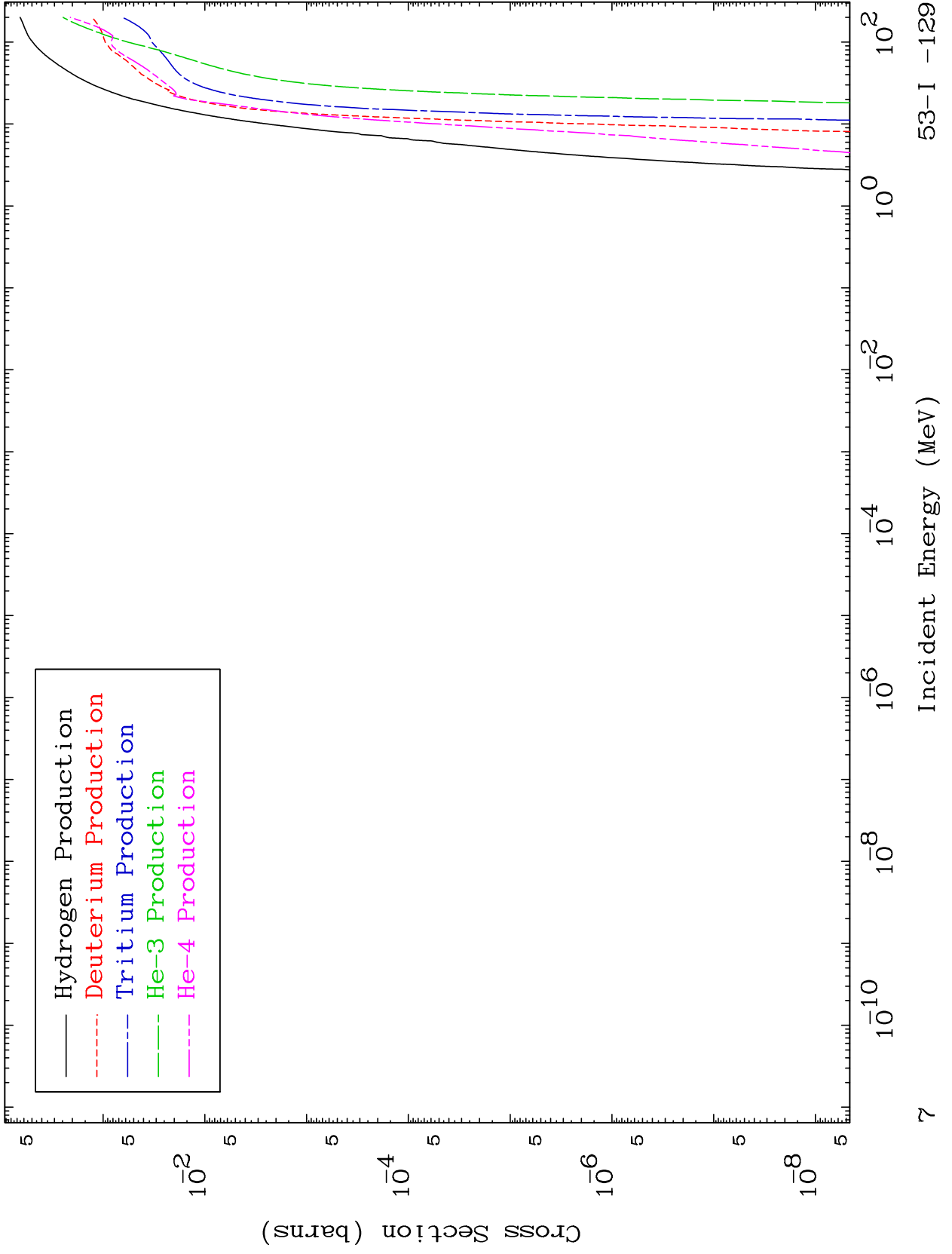


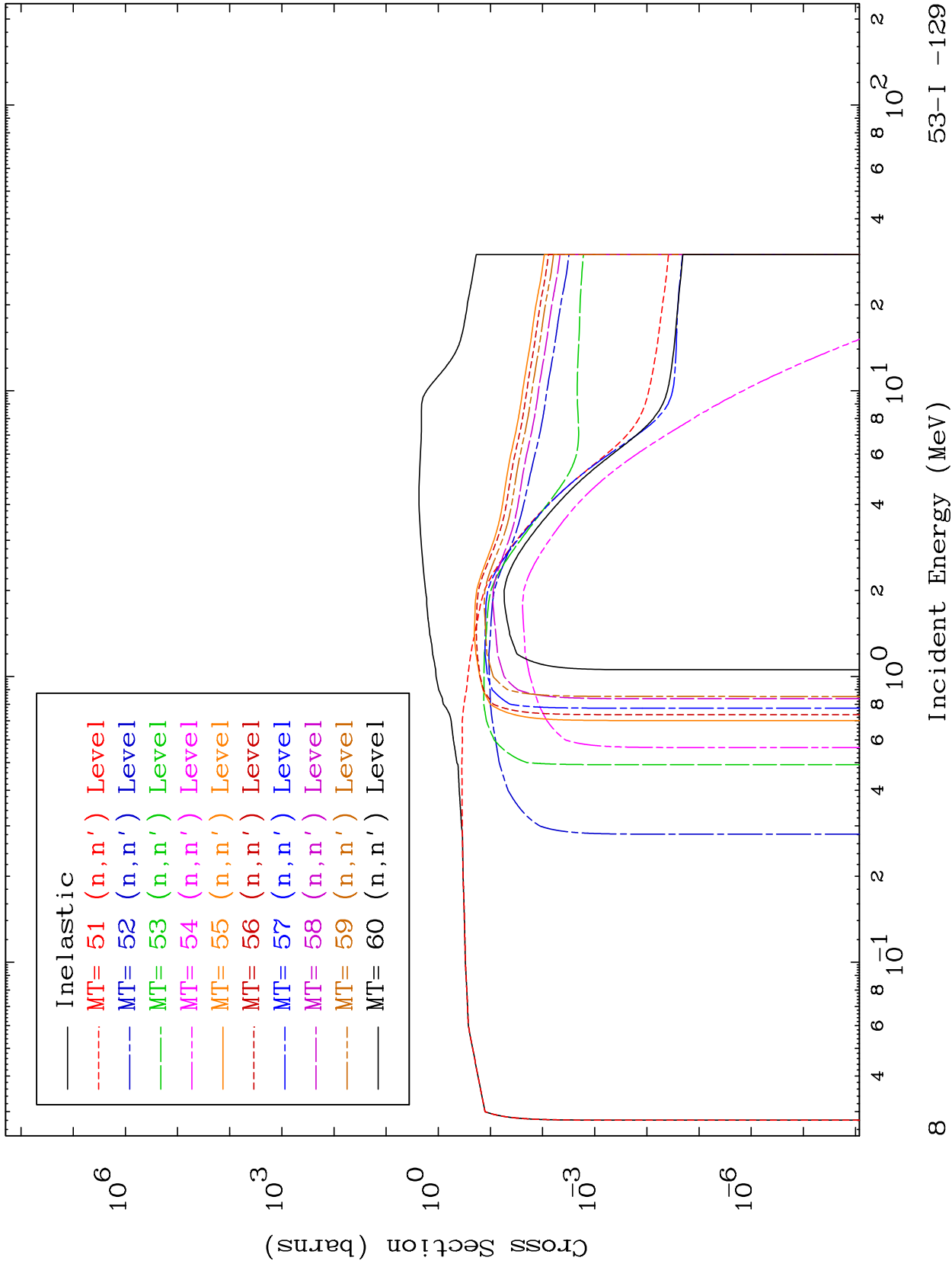
MAT 5331

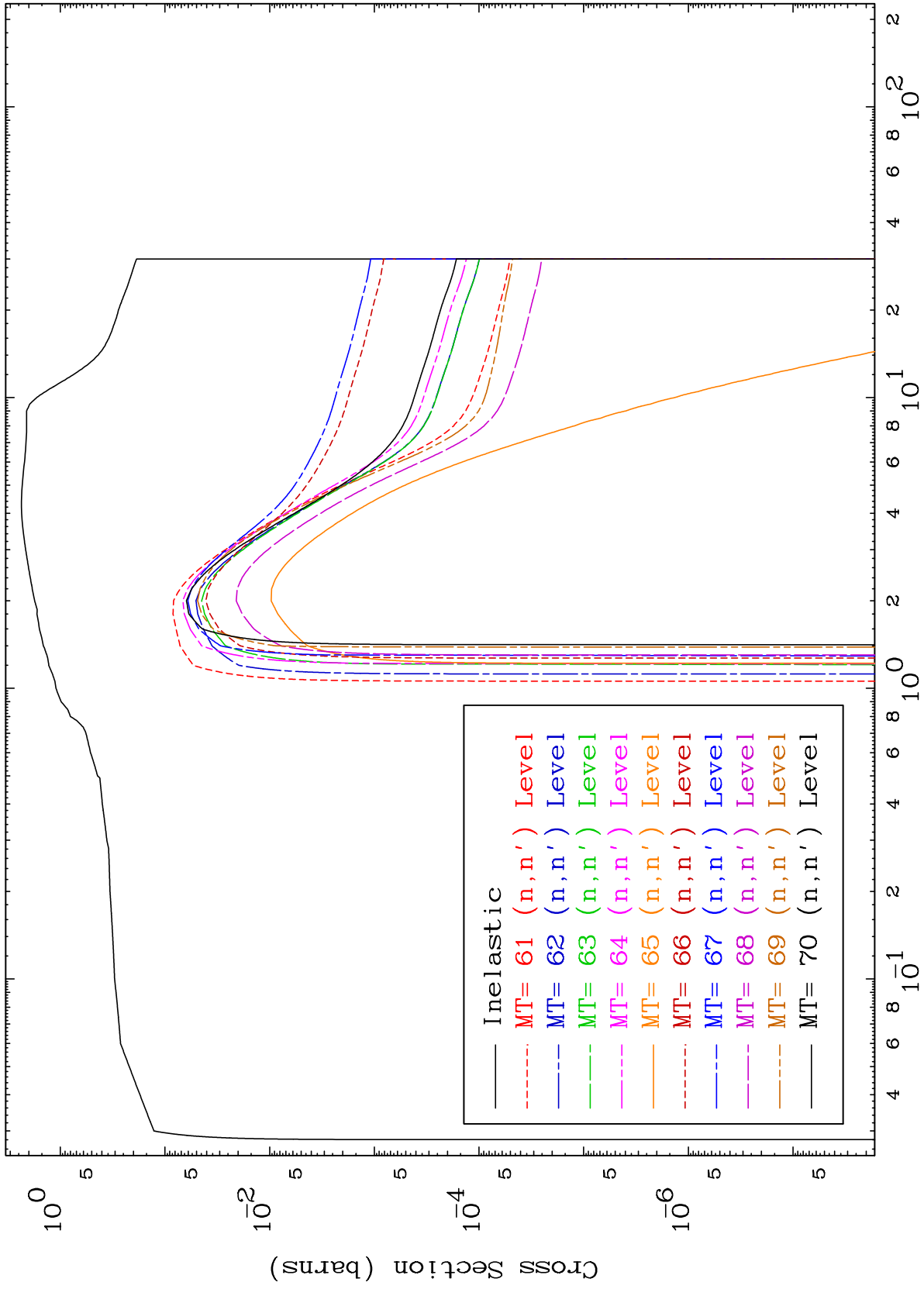
Charged Particle
293 Kelvin Cross Sections

53-I -129

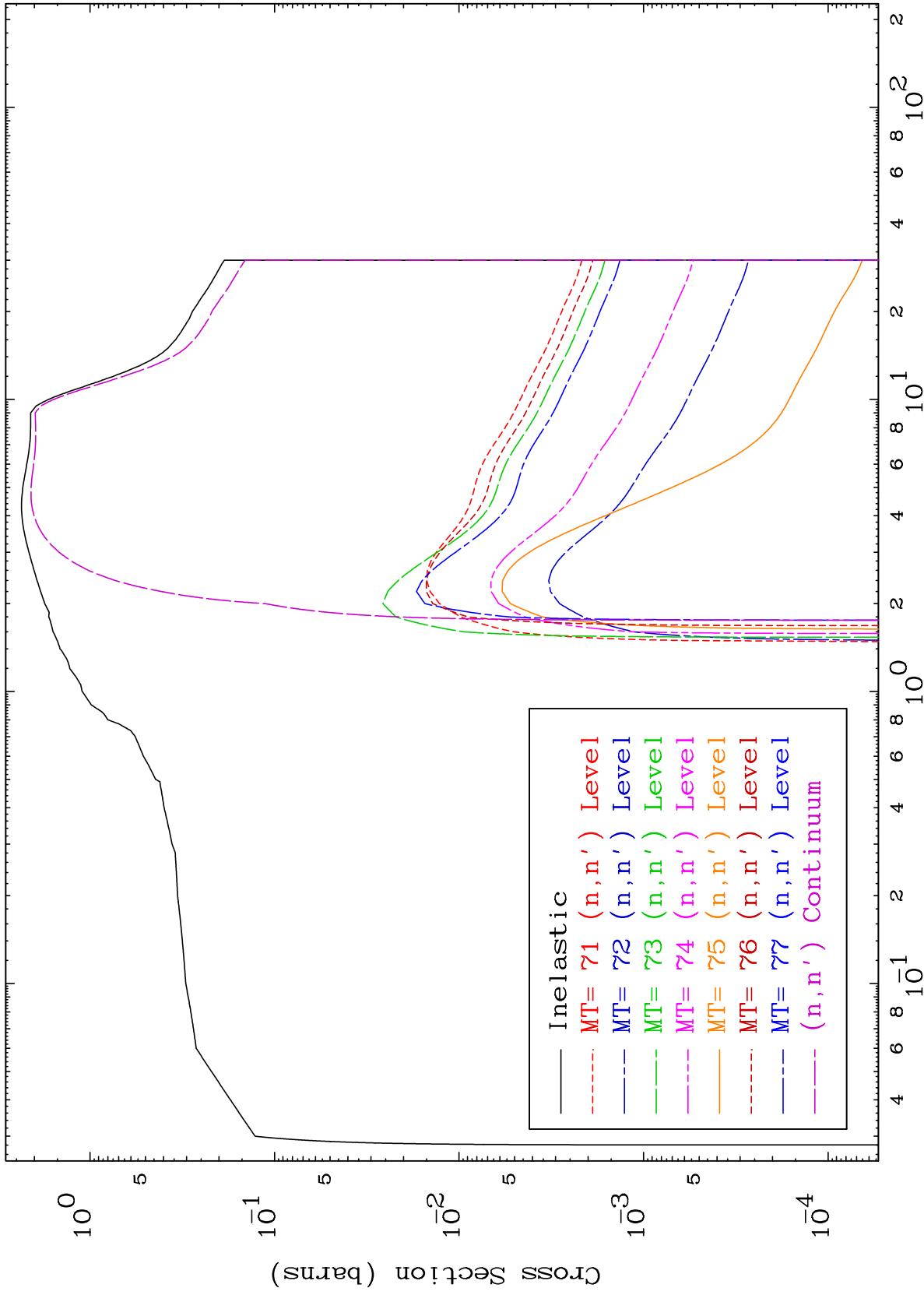








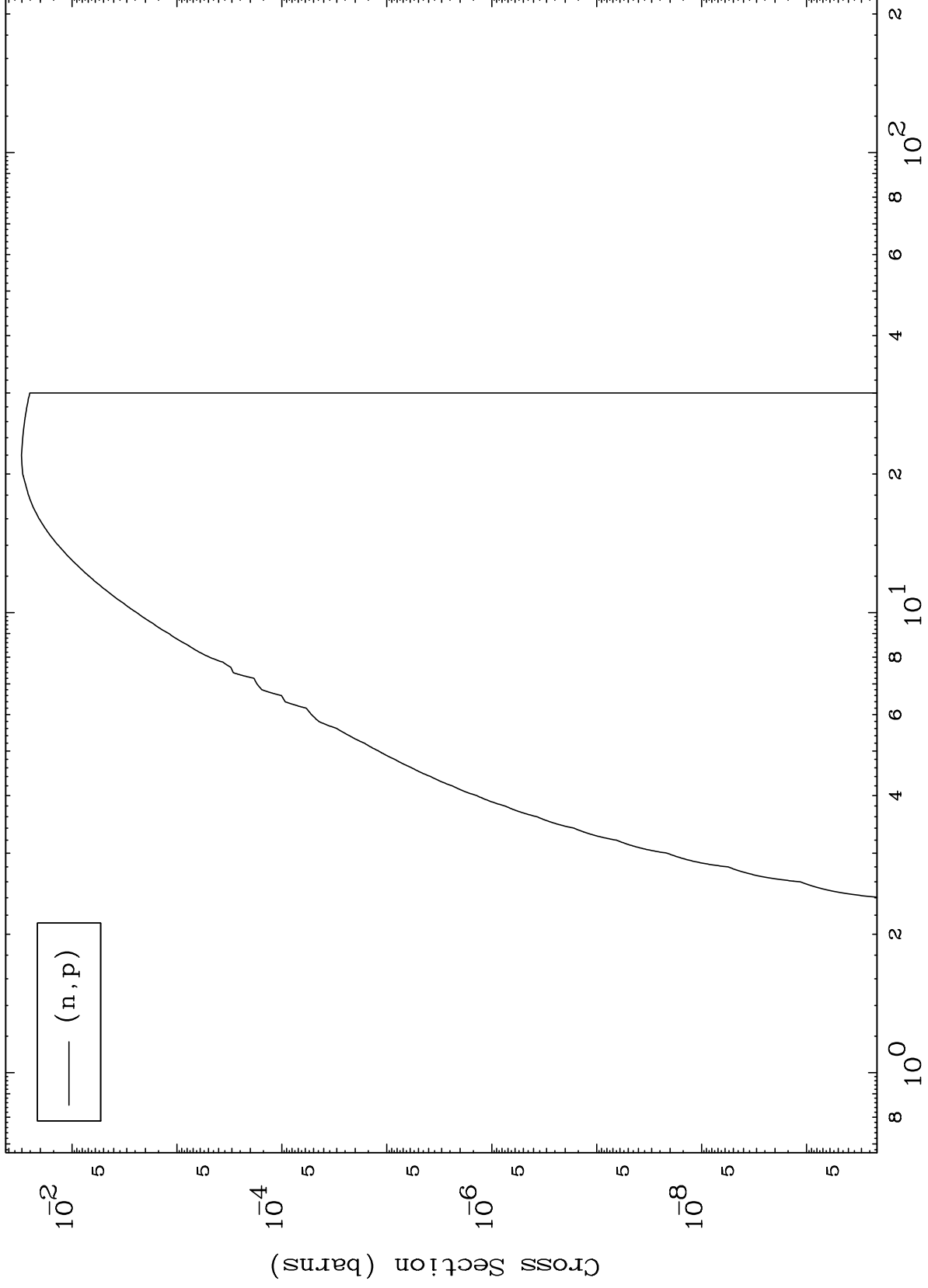
(n,n') Levels
293 Kelvin Cross Sections

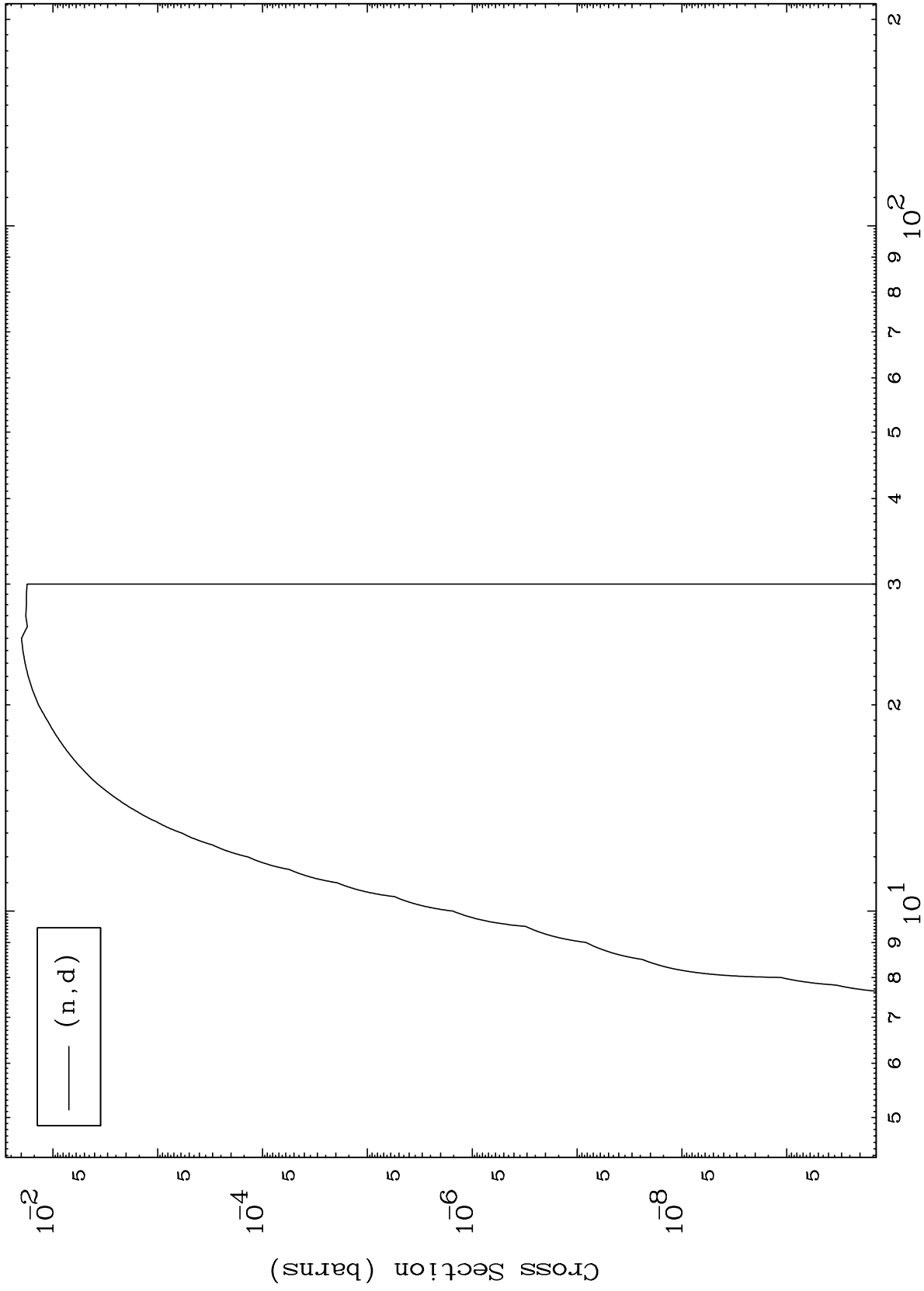


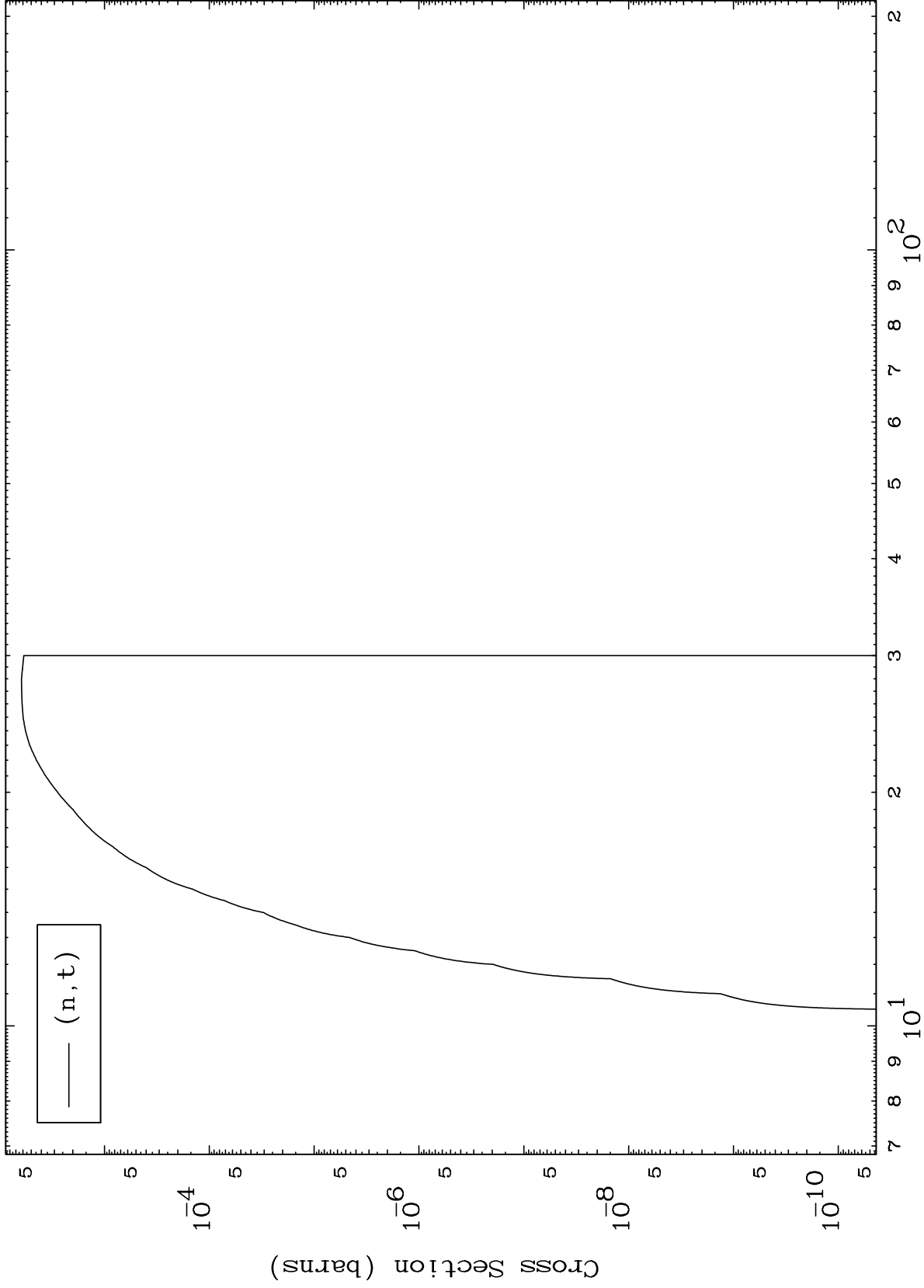
MAT 5331

(n,p) Levels
293 Kelvin Cross Sections

53-I -129



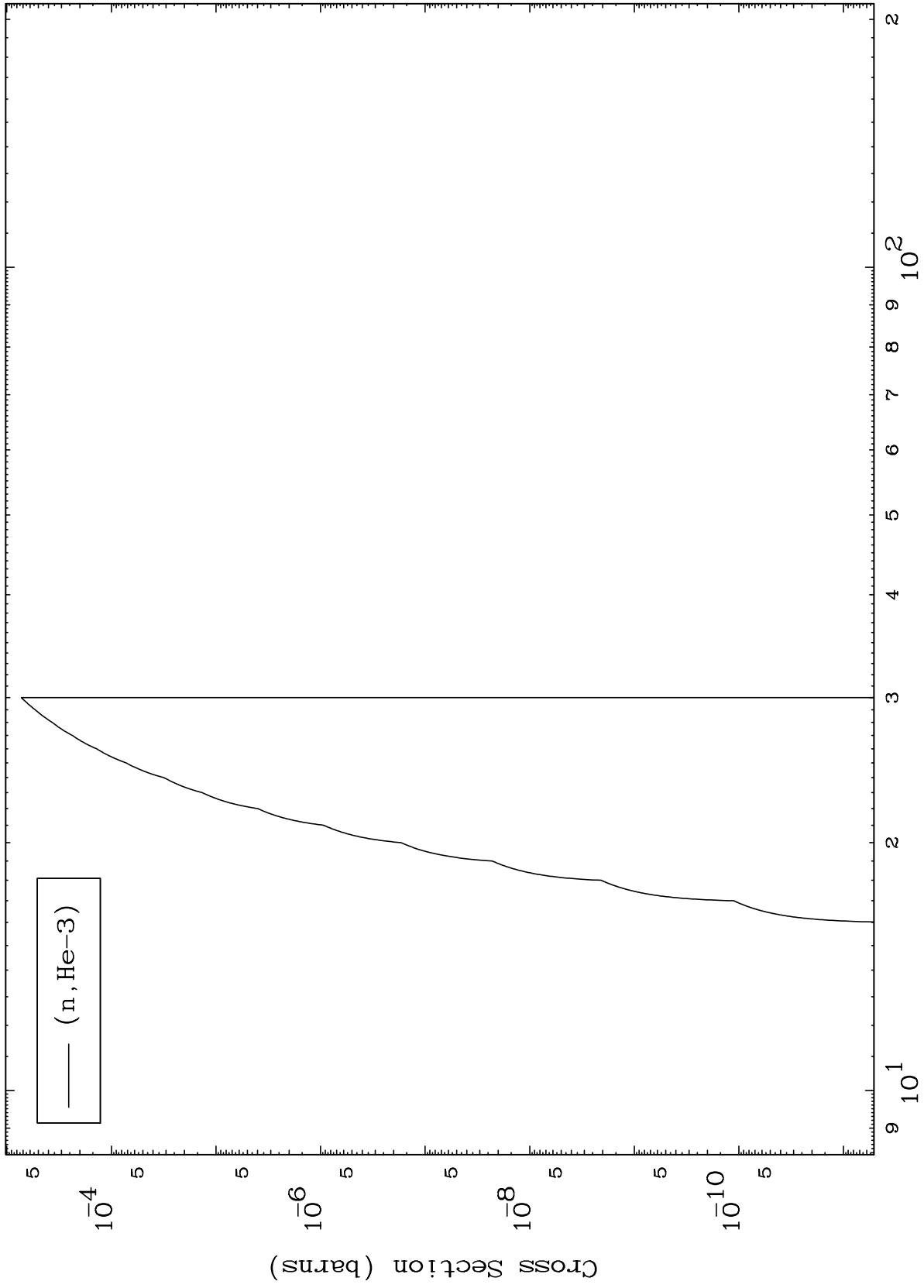




MAT 5331

(n,He3) Levels
293 Kelvin Cross Sections

53-I -129



14

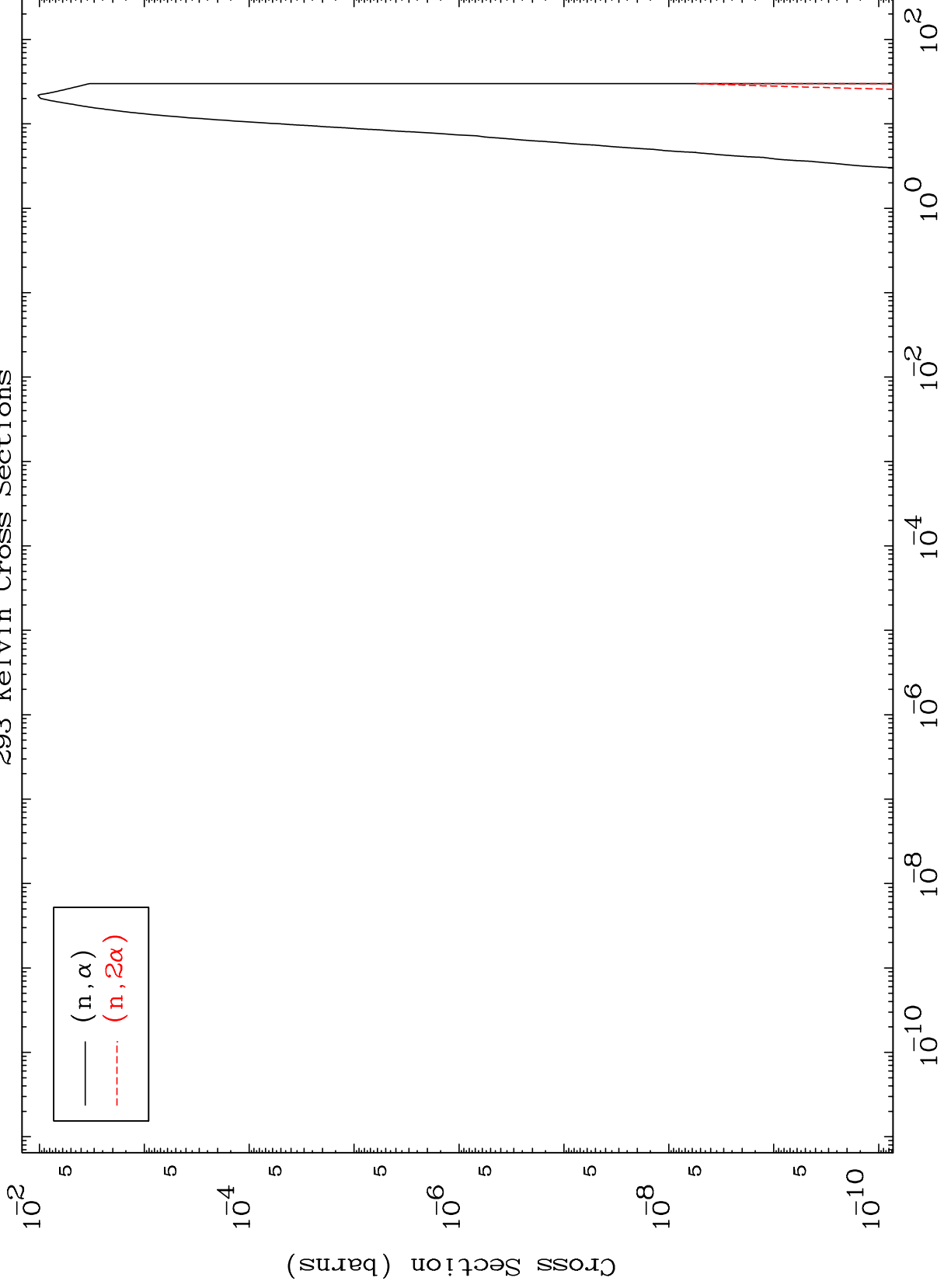
Incident Energy (MeV)

53-I -129

MAT 5331

(n, α) Levels
293 Kelvin Cross Sections

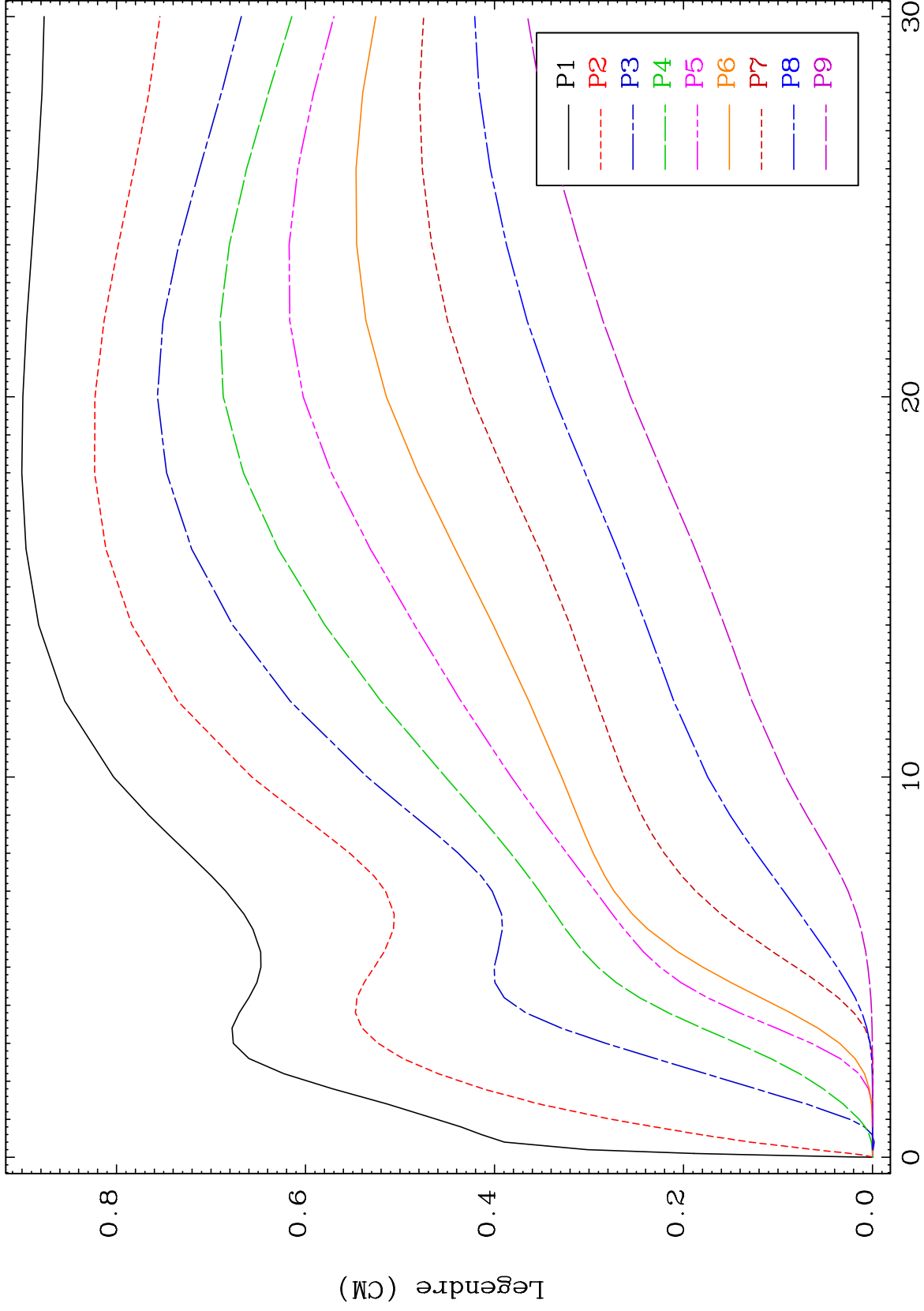
53-I -129

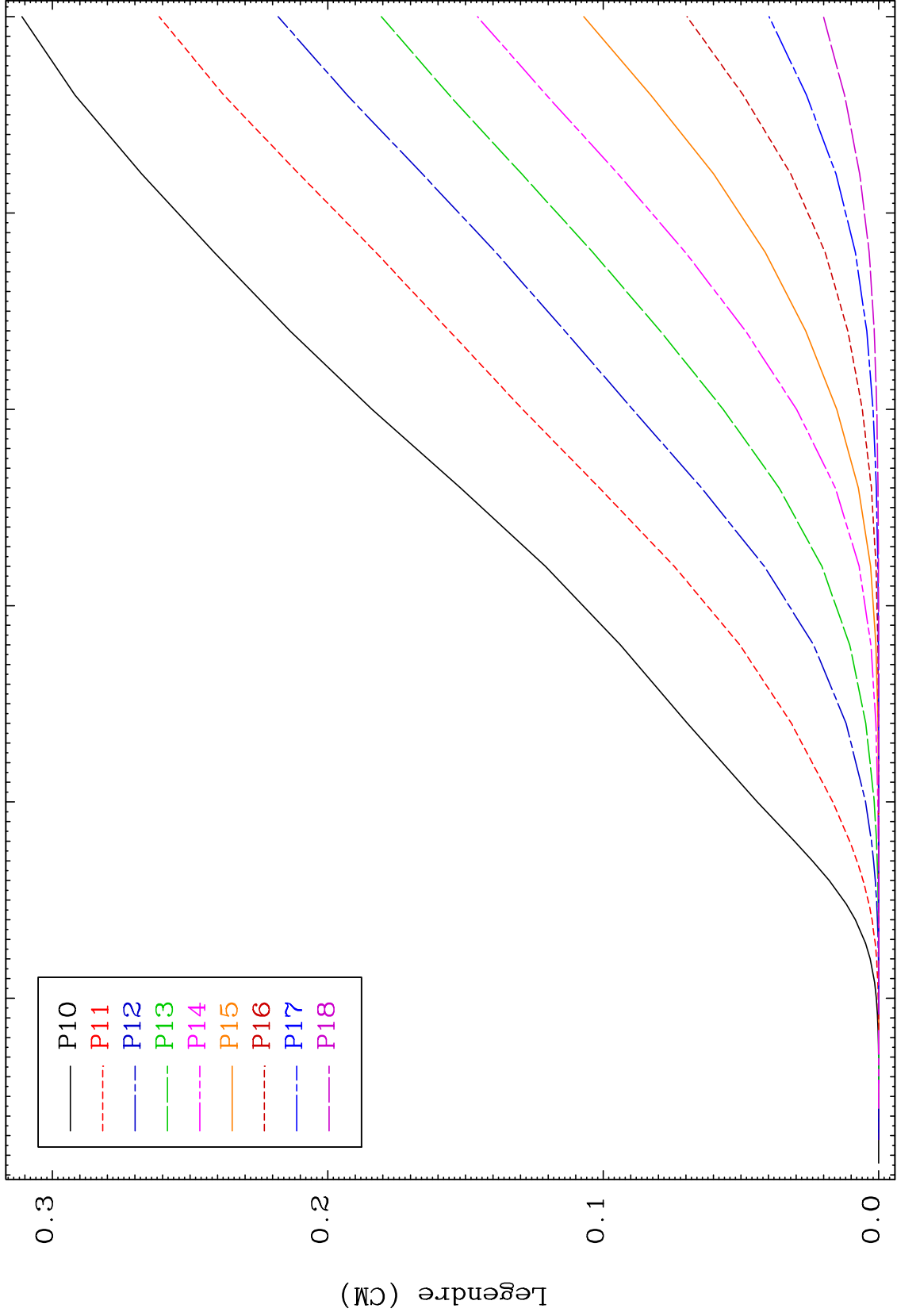


15

Incident Energy (MeV)

53-I -129

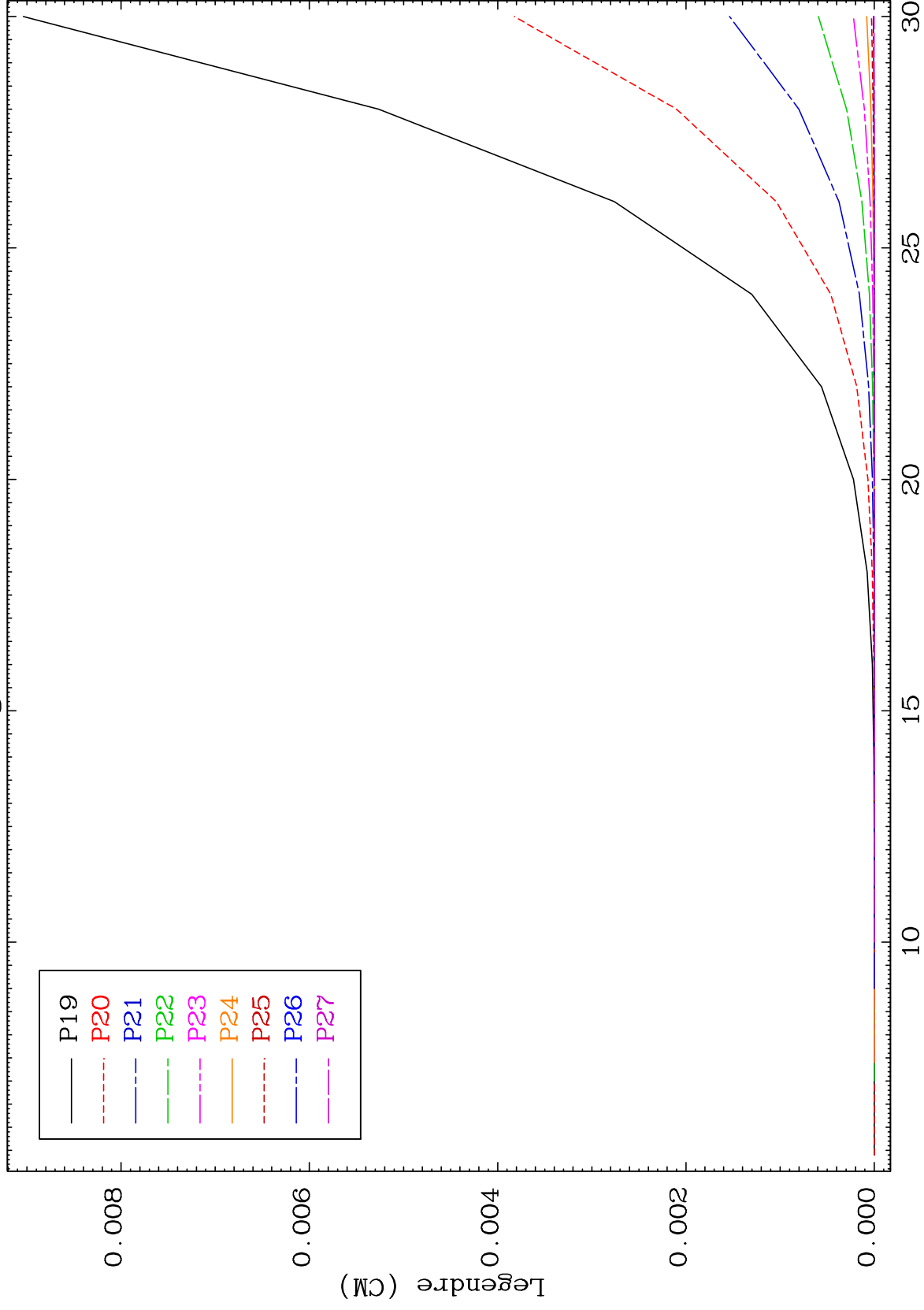




MAT 5331

Elastic Legendre Coefficients

53-I -129



18

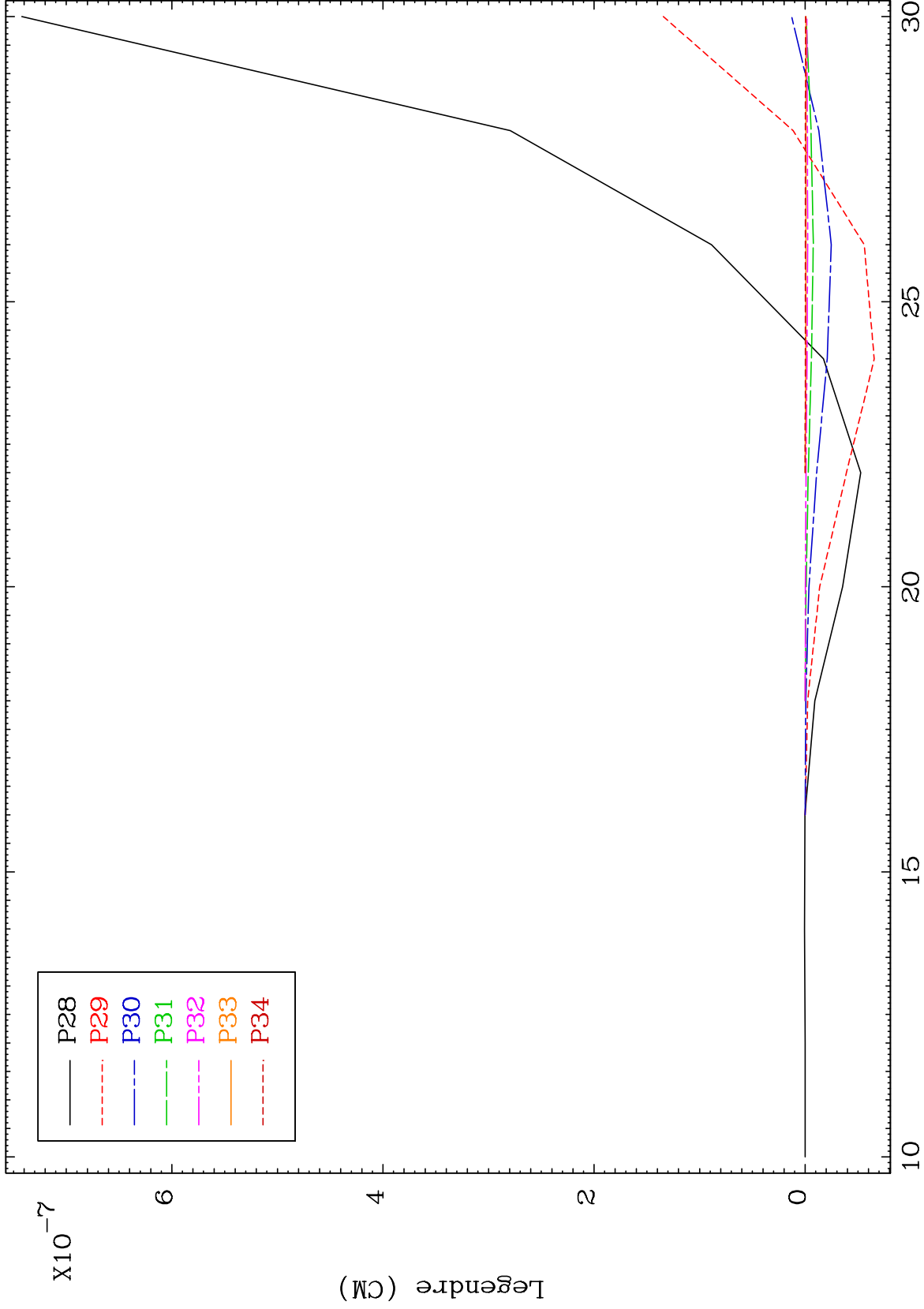
Incident Energy (MeV)

53-I -129

MAT 5331

Elastic
Legendre Coefficients

53-I -129



19

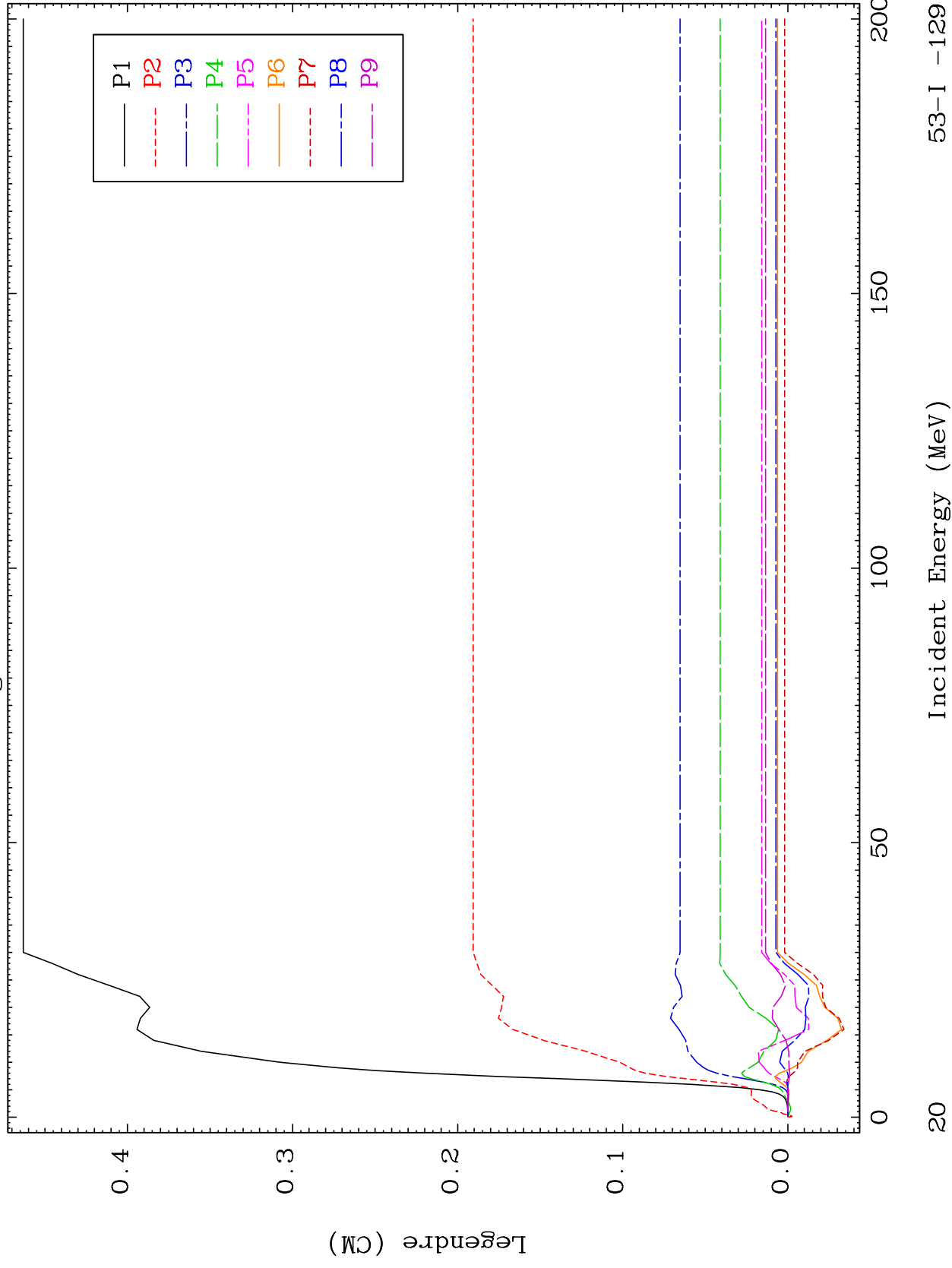
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



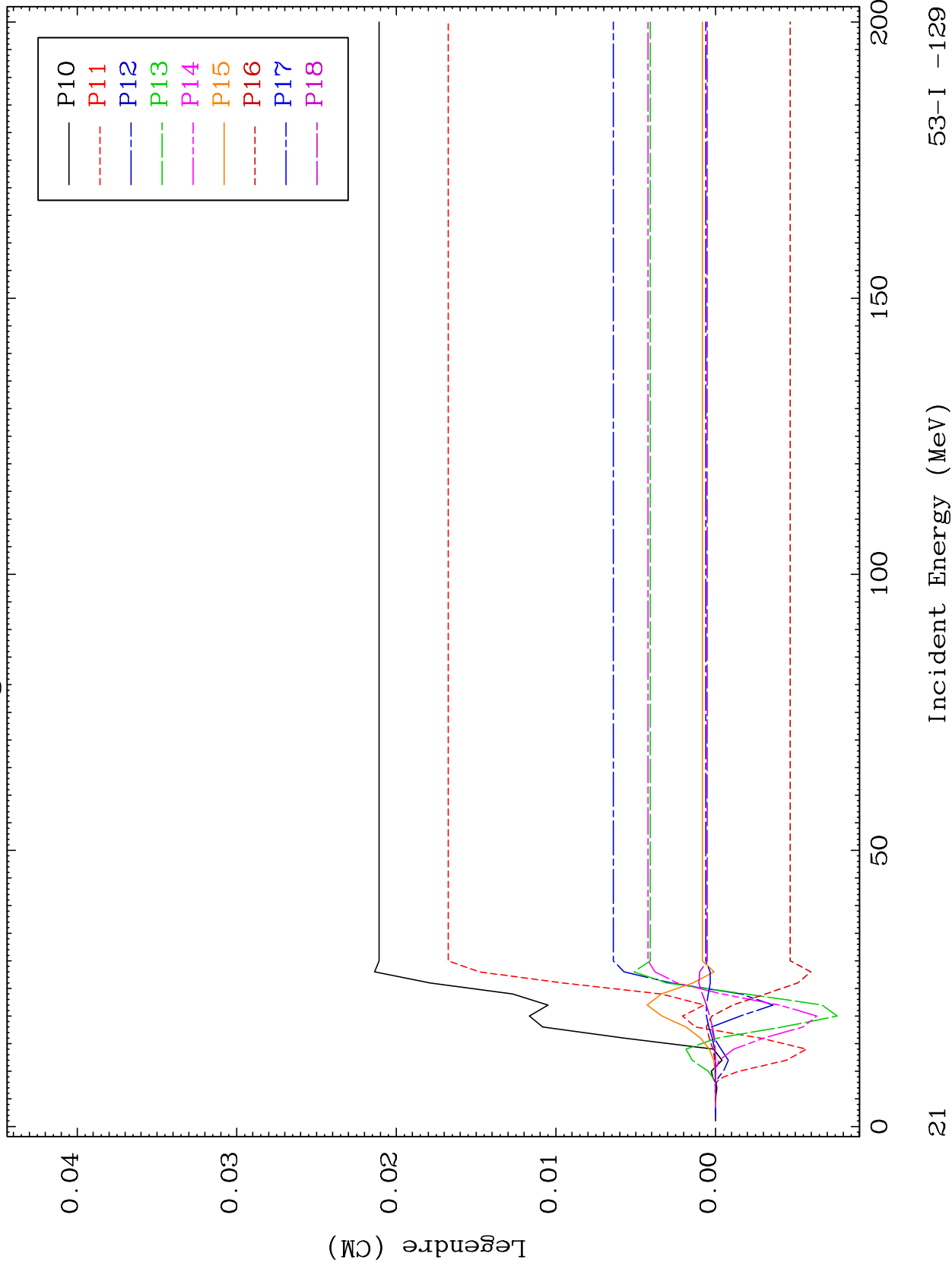
53-I -129

Incident Energy (MeV)

MAT 5331

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

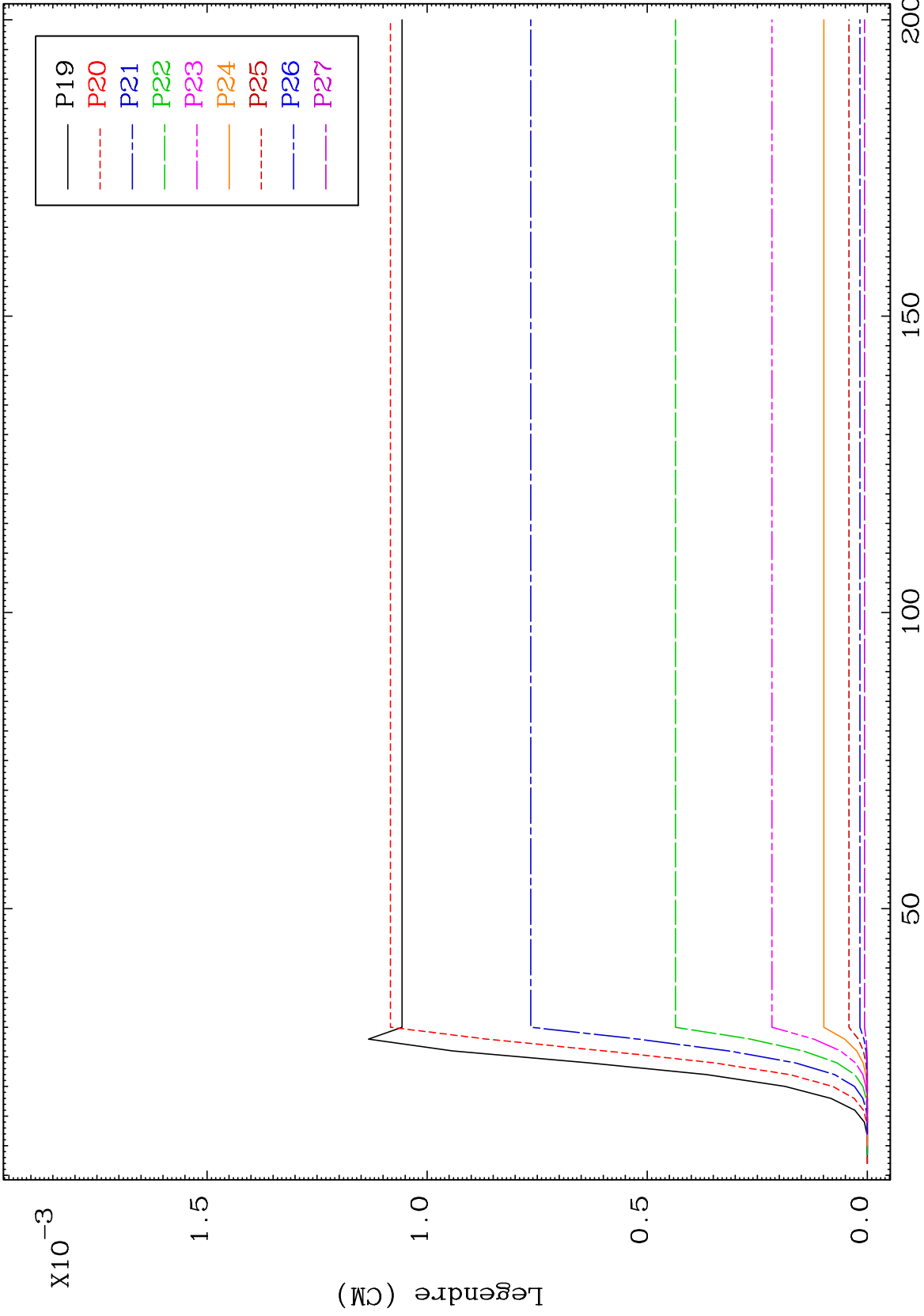
53-I -129

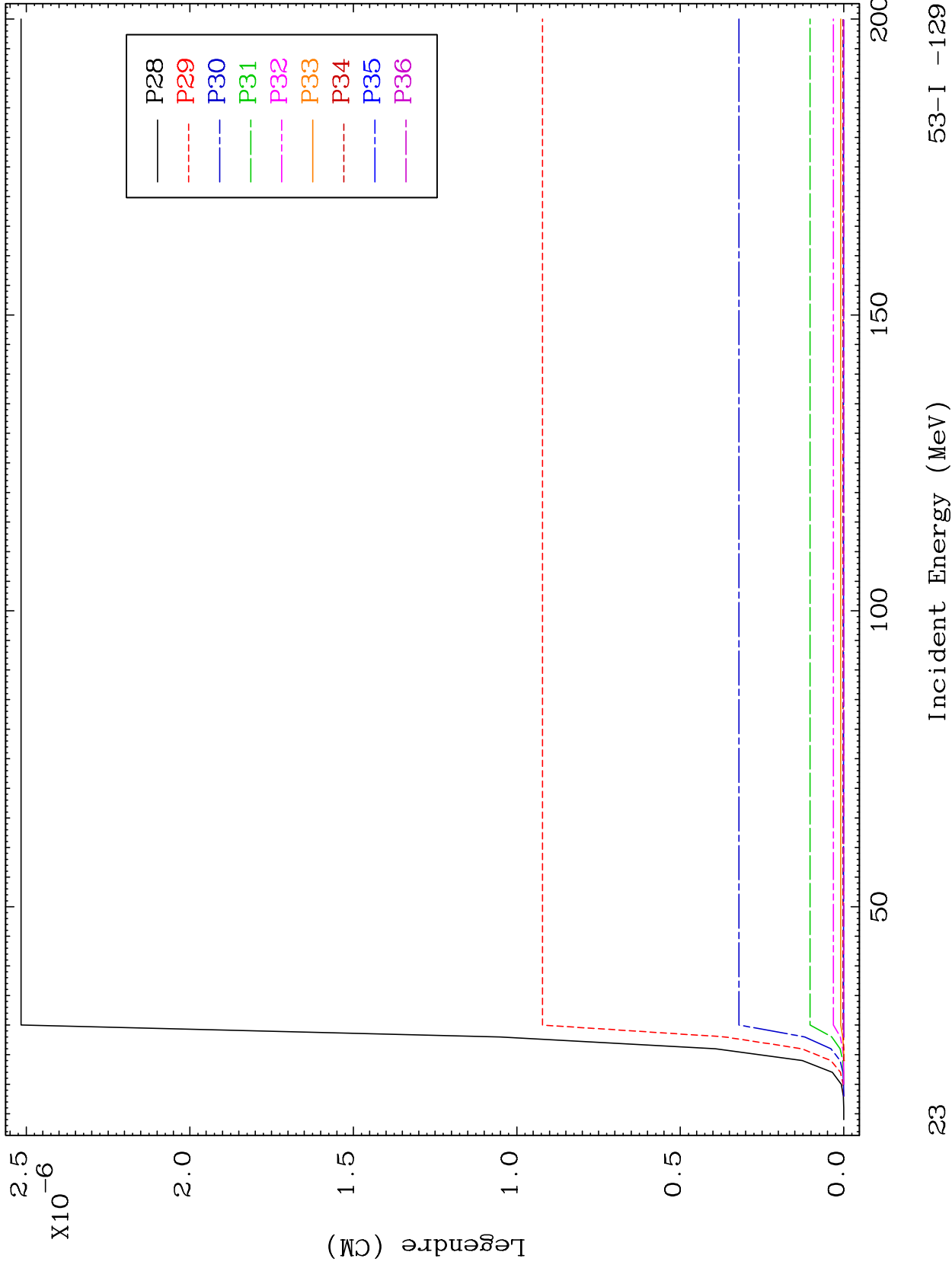


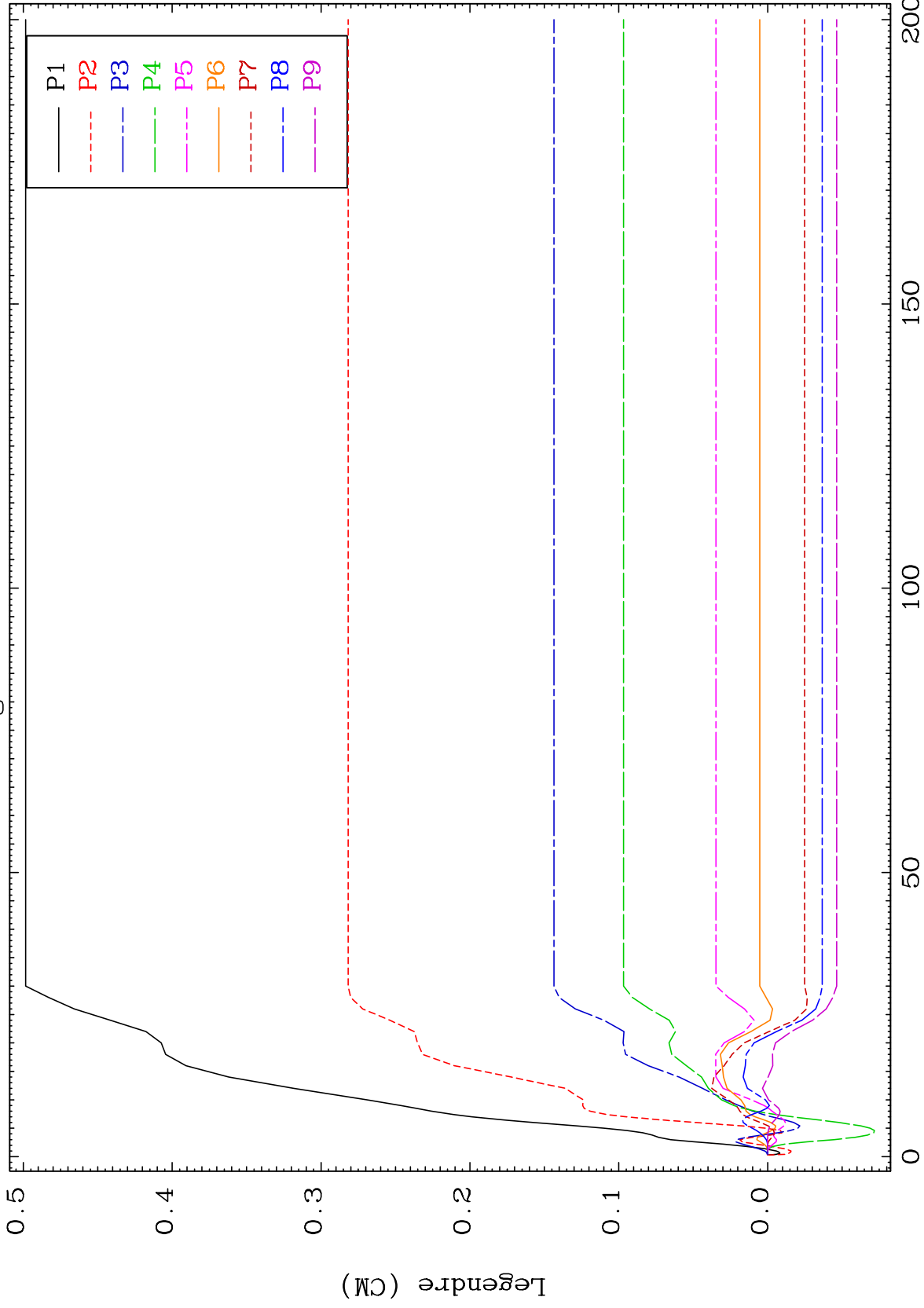
53-I -129

Incident Energy (MeV)

21



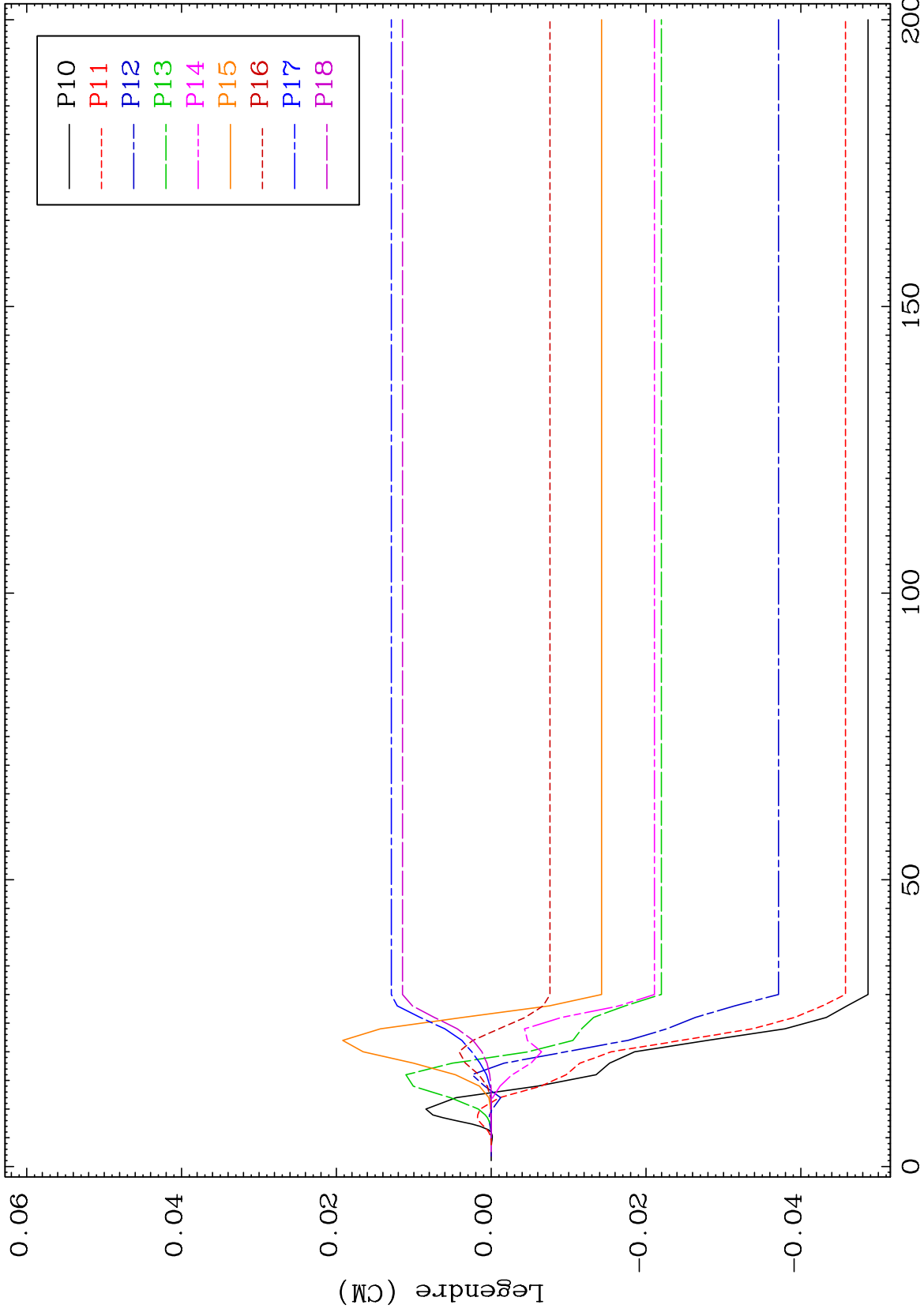




MAT 5331

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

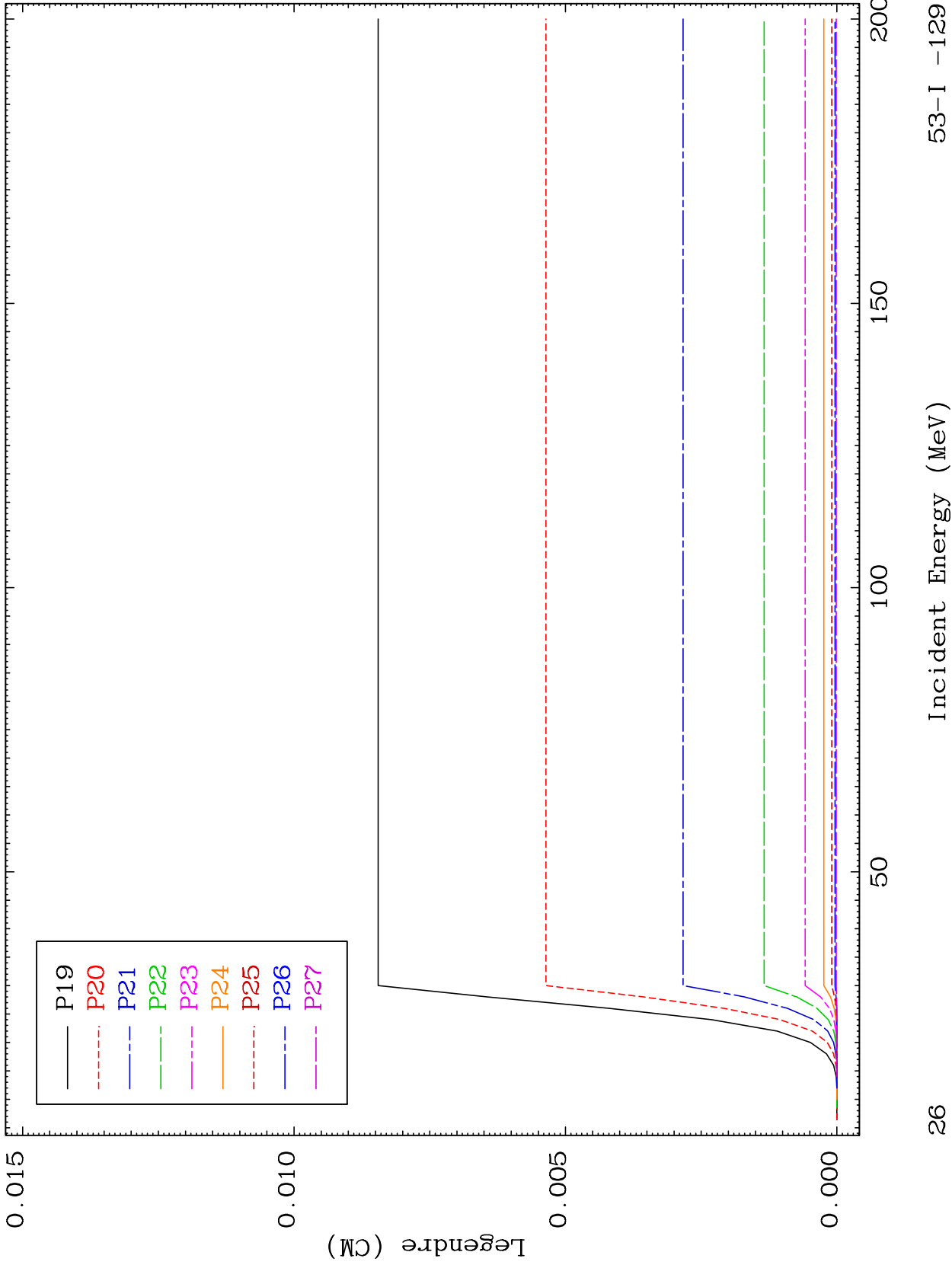
53-I -129

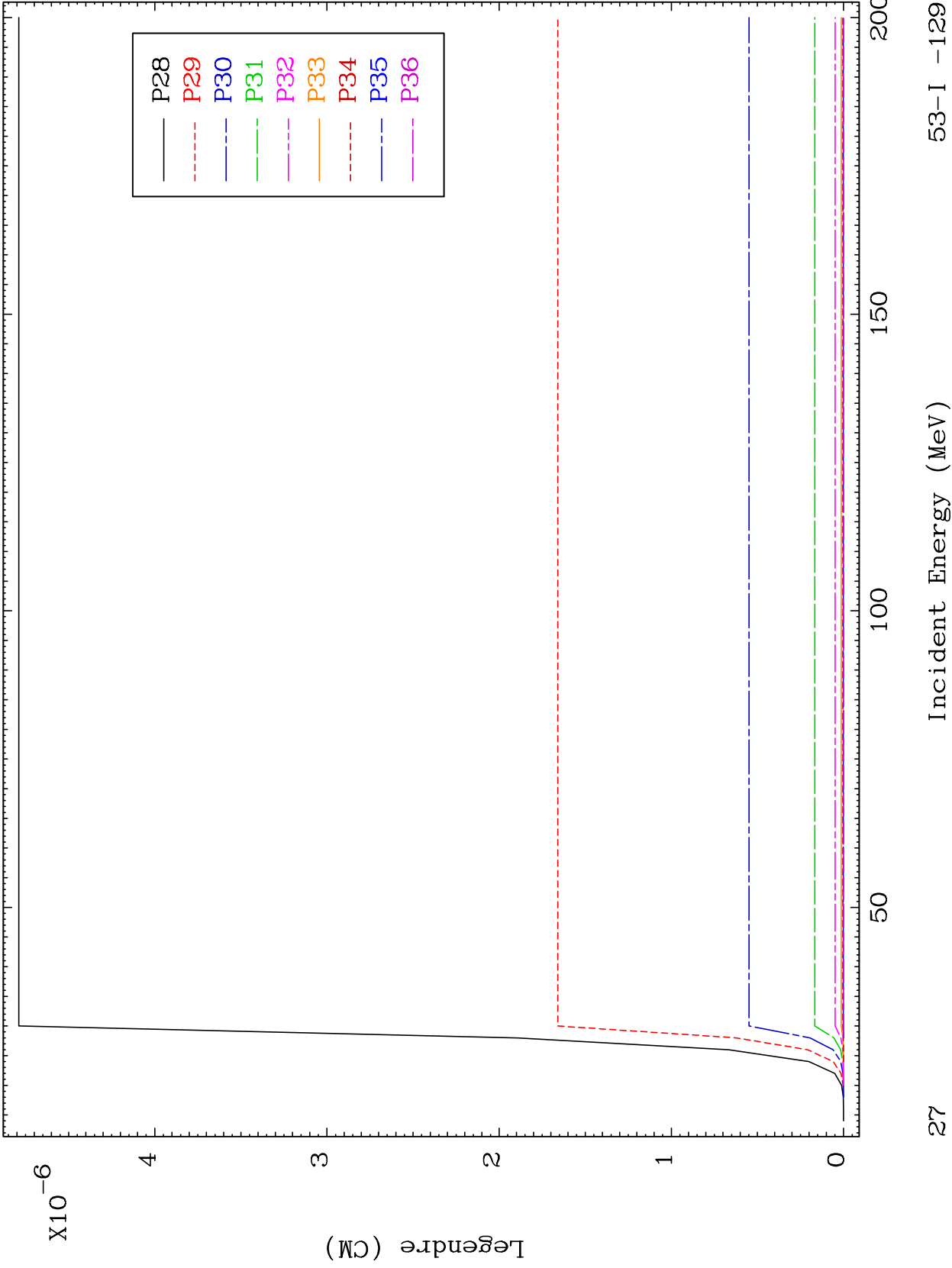


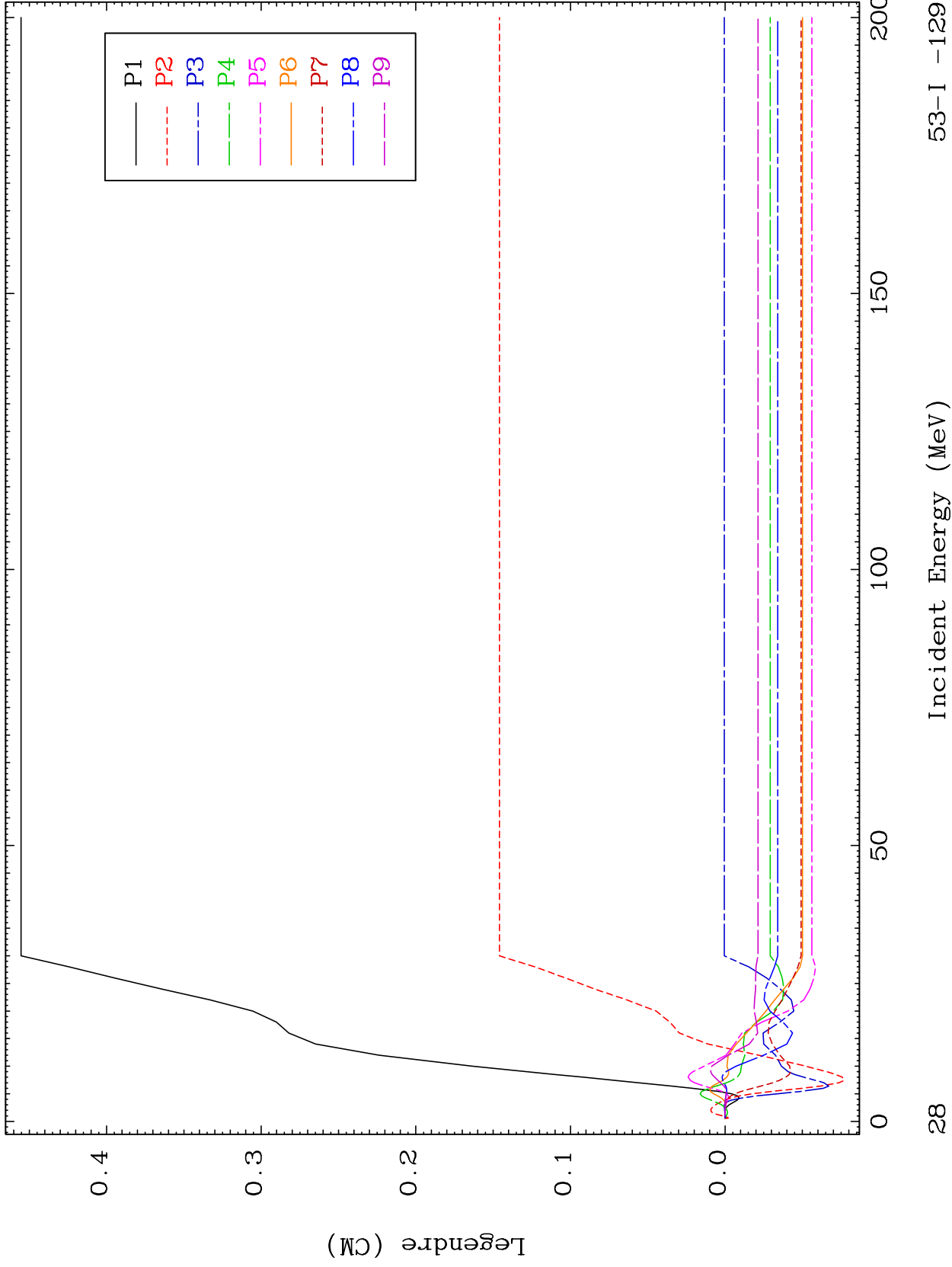
25

Incident Energy (MeV)

53-I -129



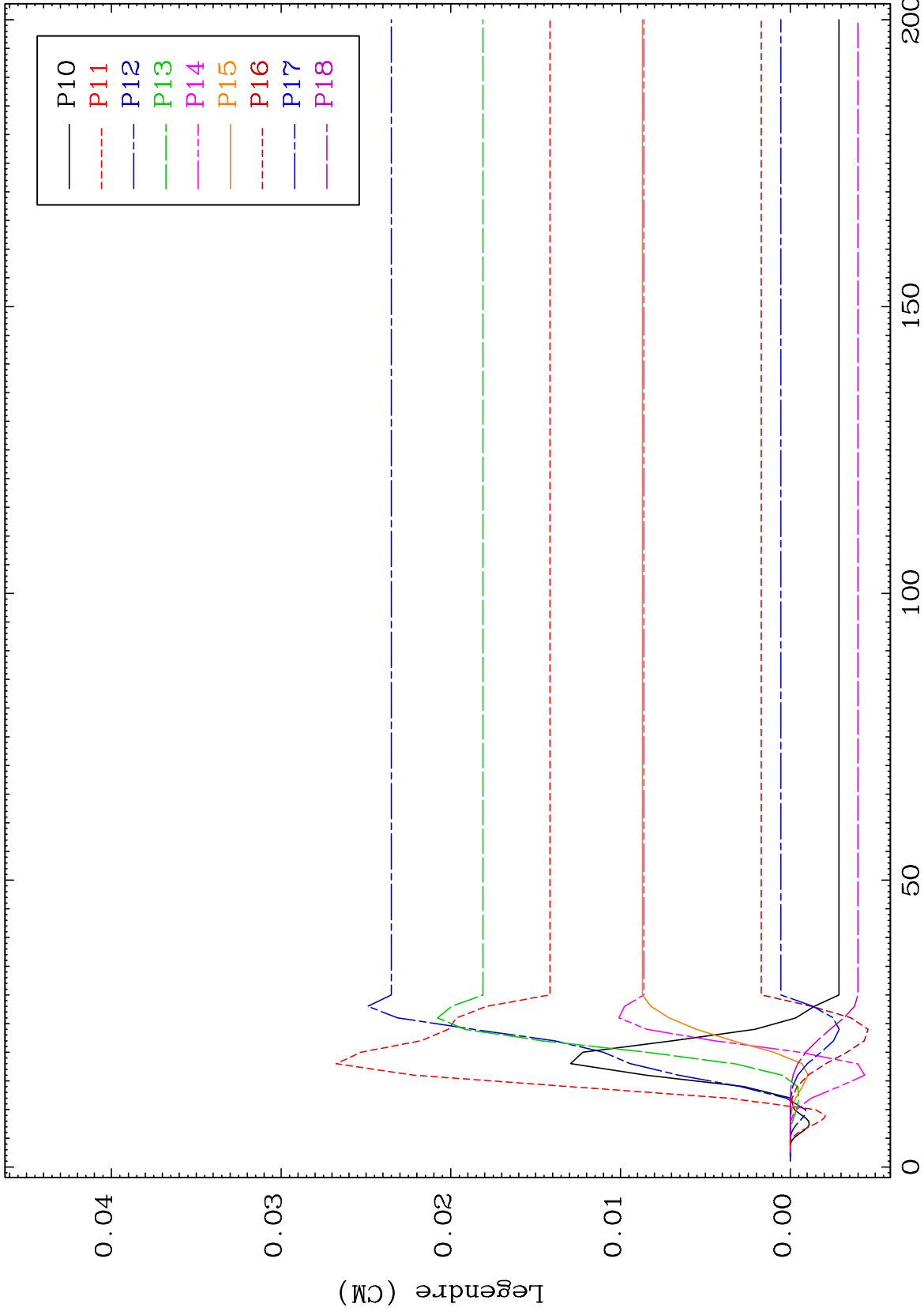




MAT 5331

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

53-I -129



29

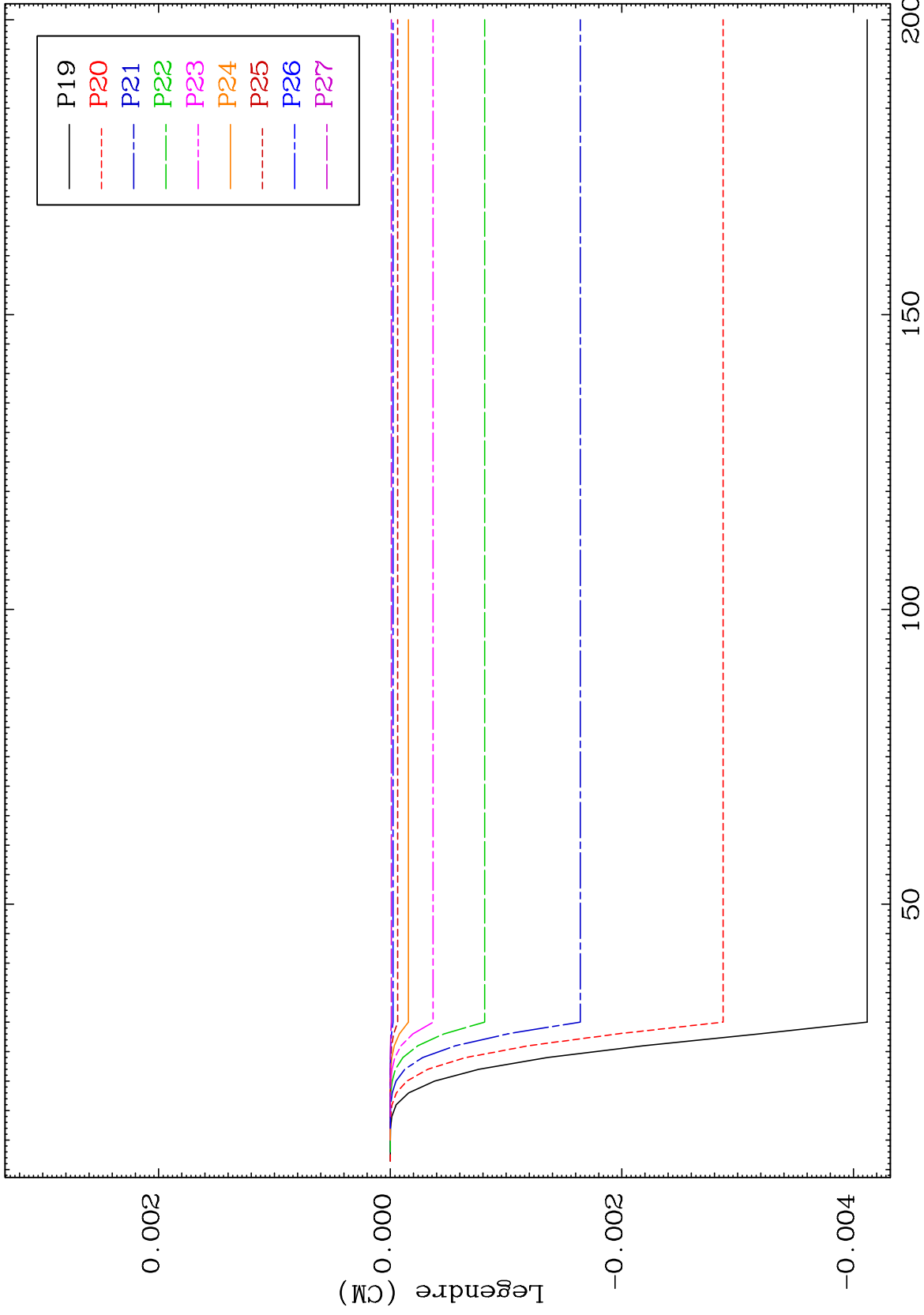
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



30

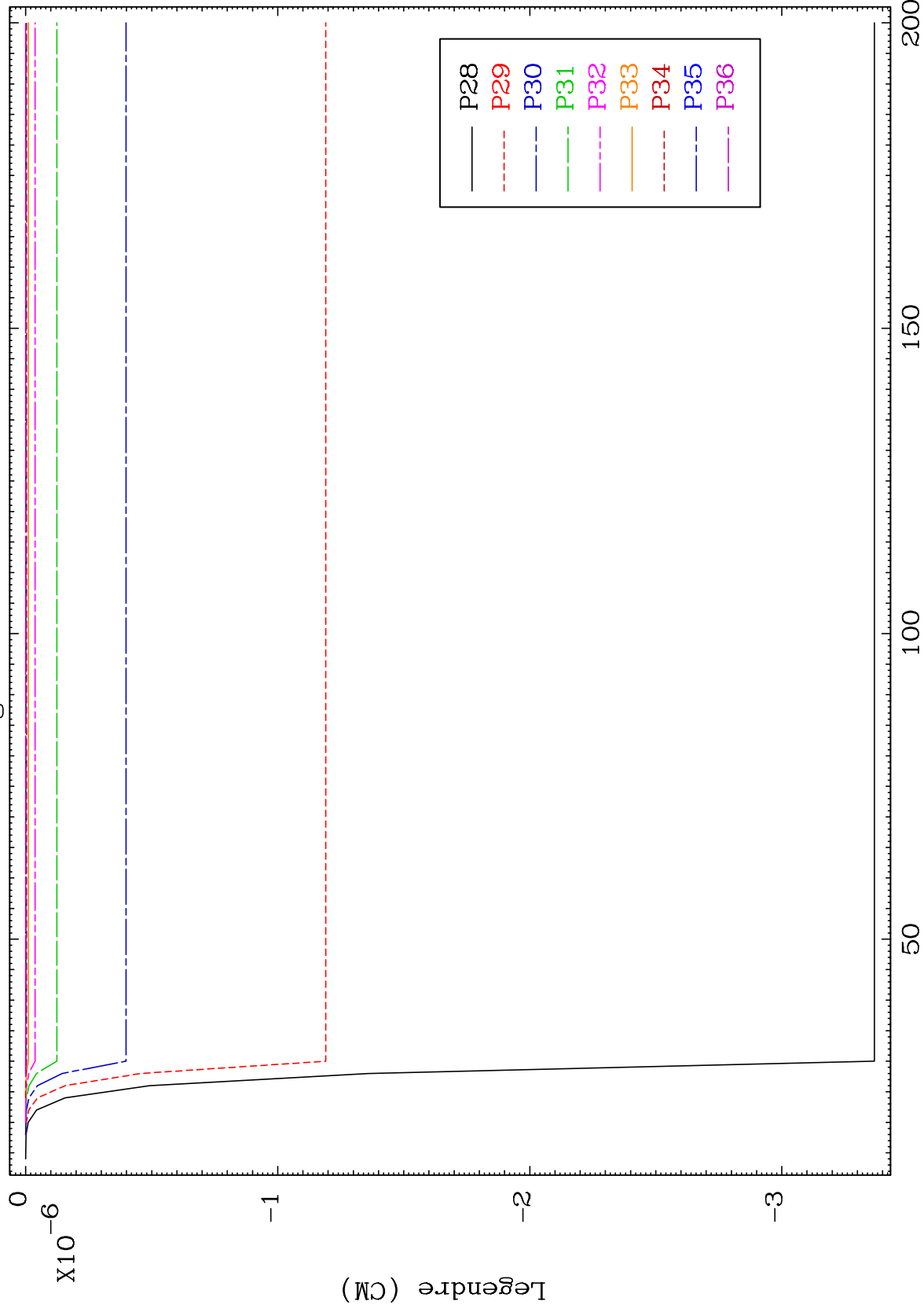
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



31

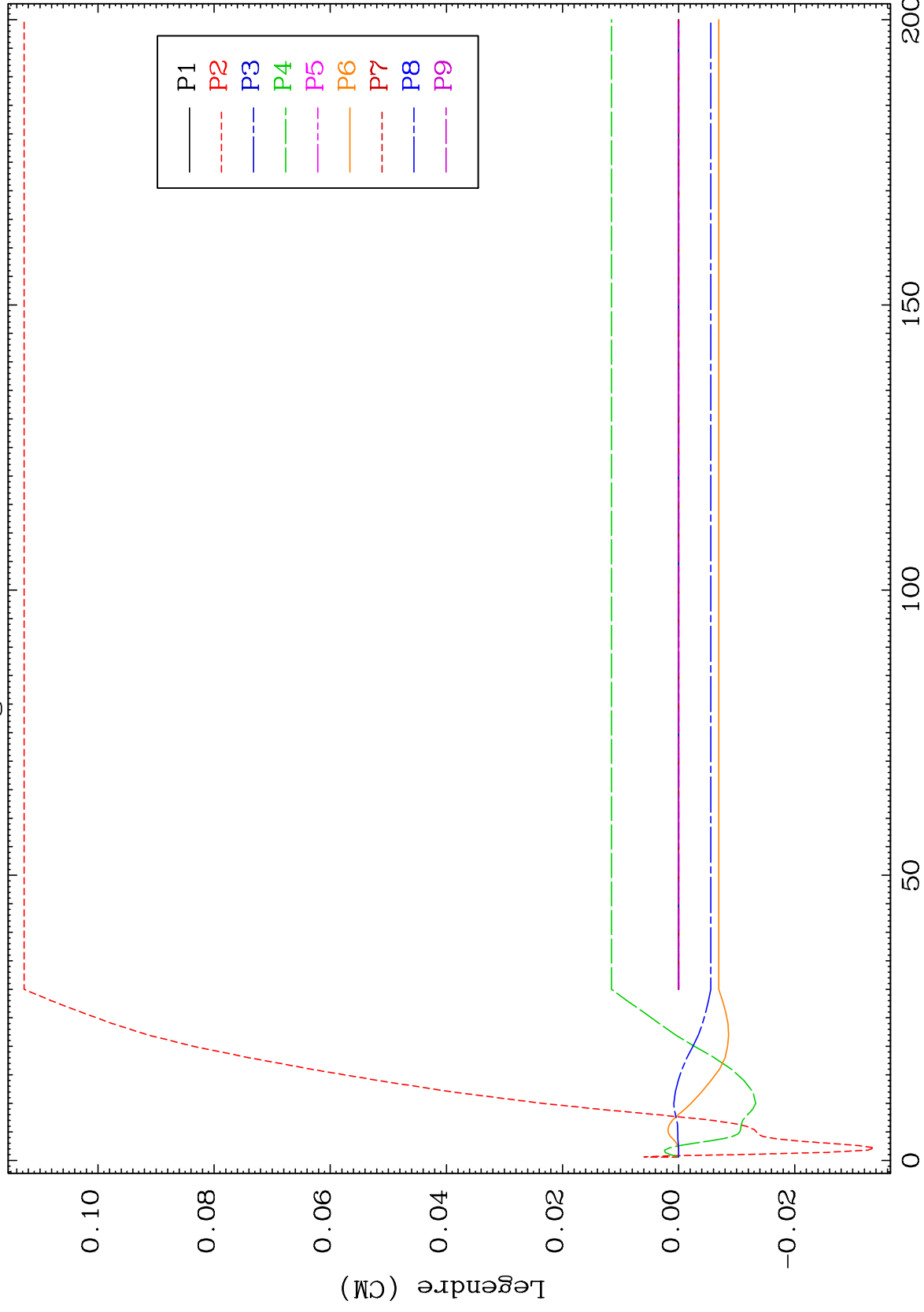
Incident Energy (MeV)

53-I -129

MAT 5331

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

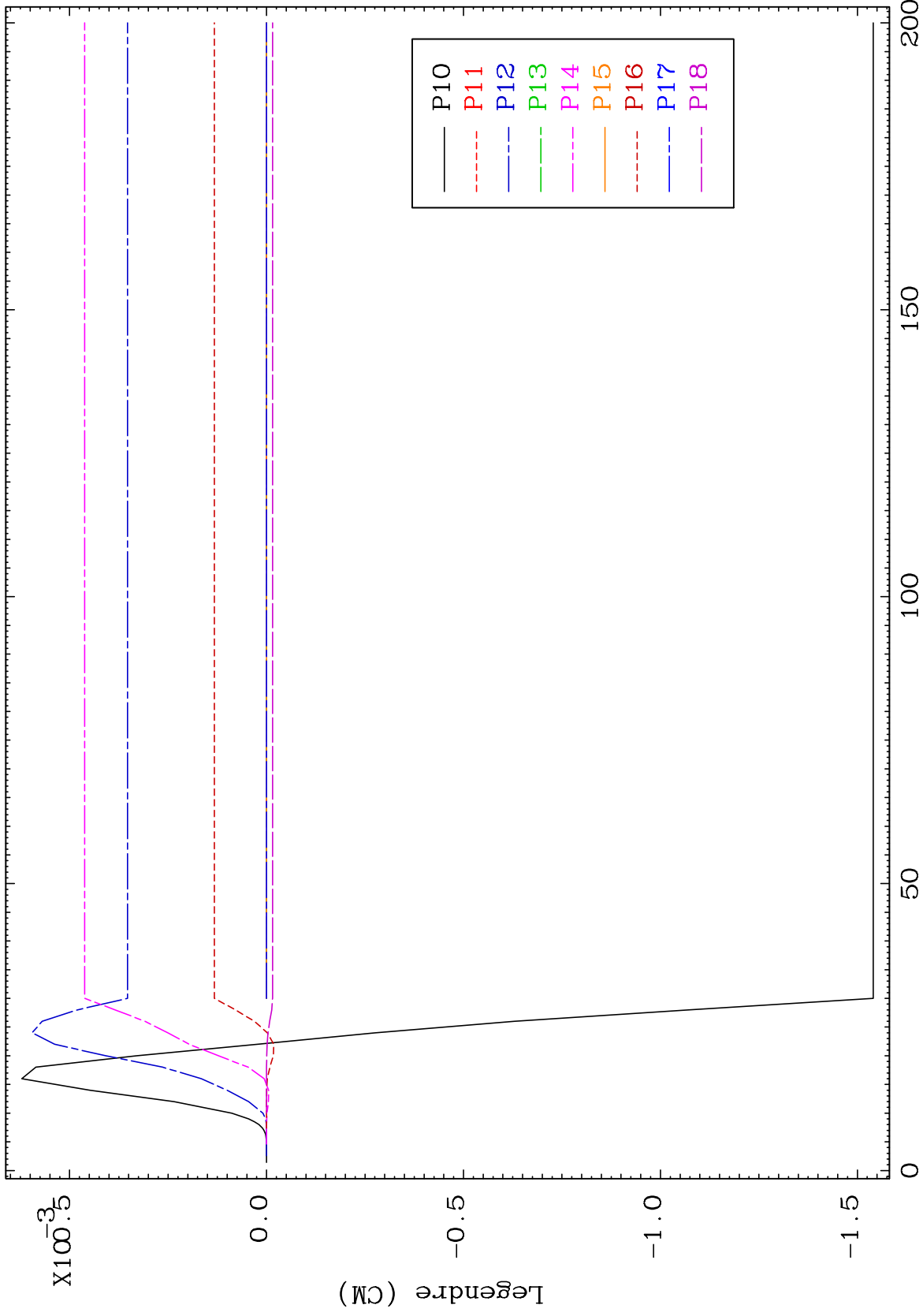
53-I -129



32

Incident Energy (MeV)

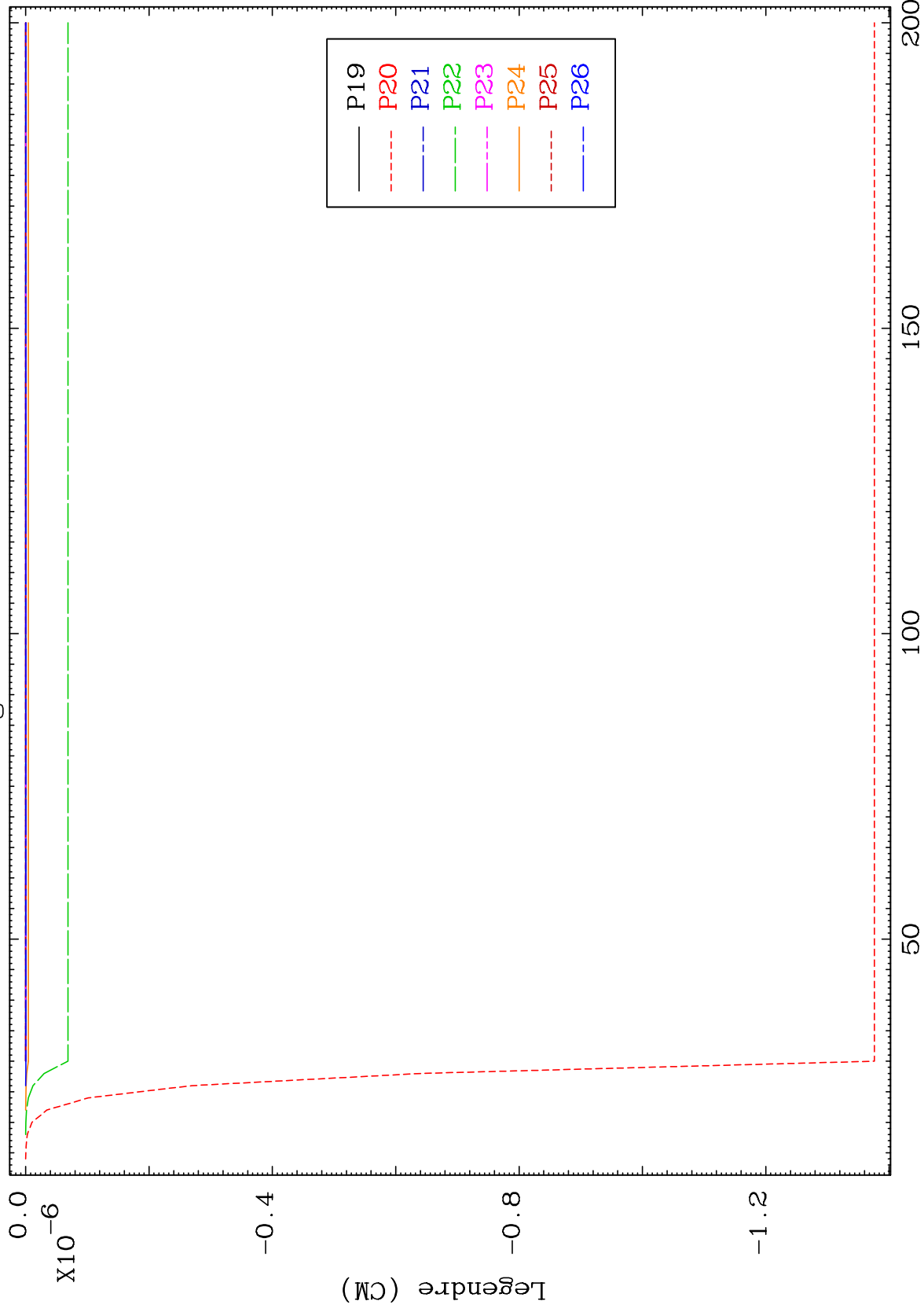
53-I -129



MAT 5331

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

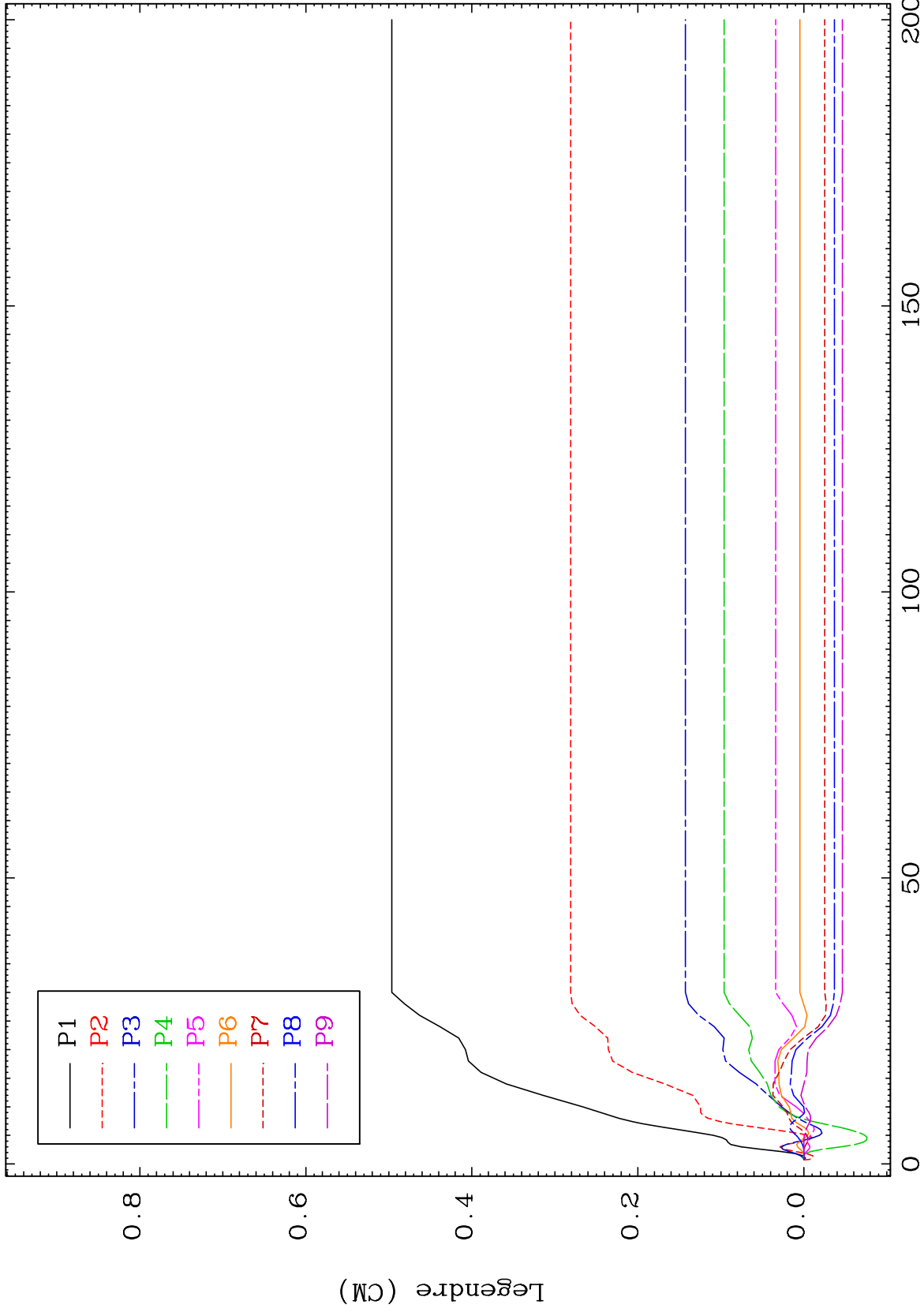
53-I -129



34

Incident Energy (MeV)

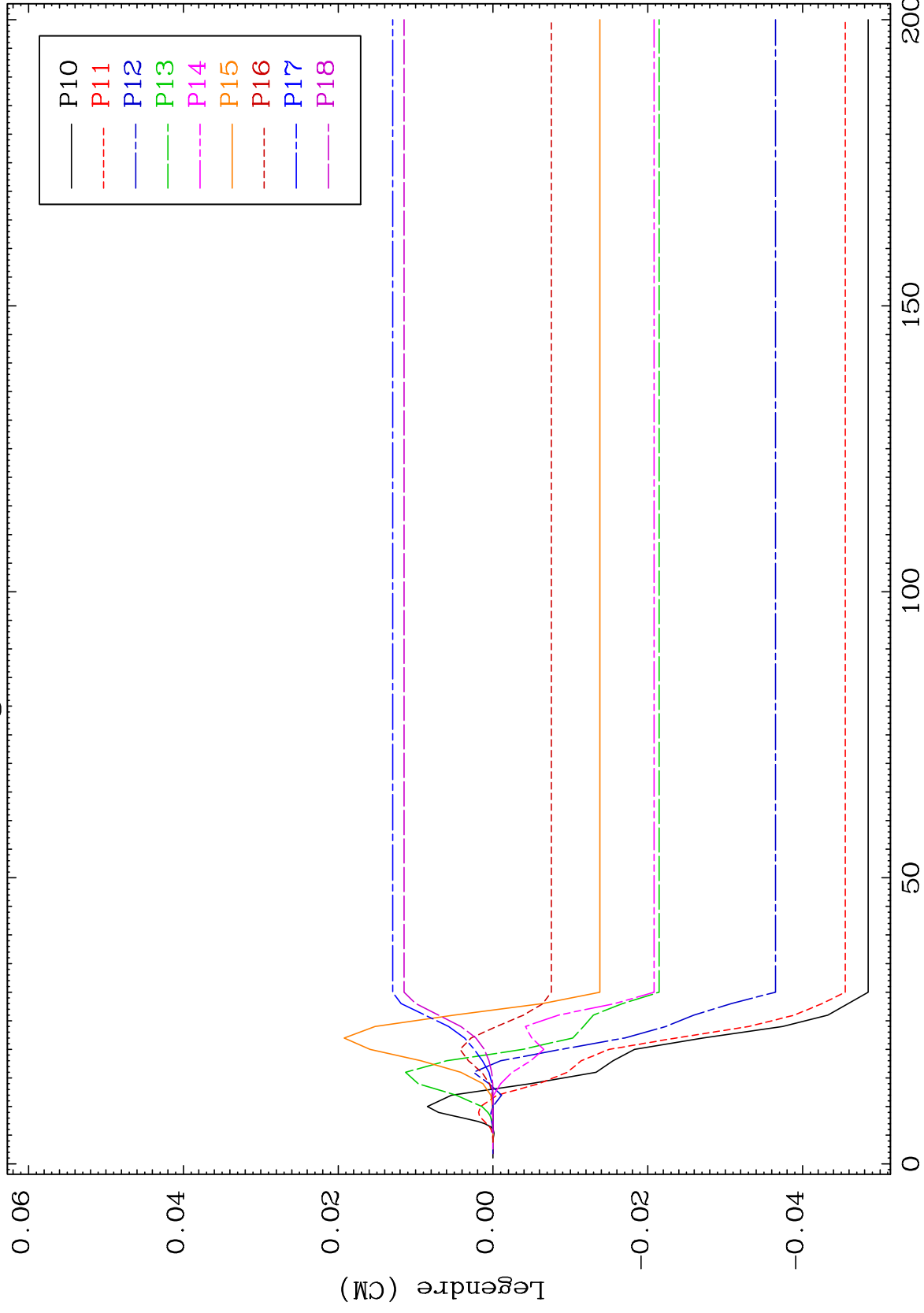
53-I -129



MAT 5331

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

53-I -129



36

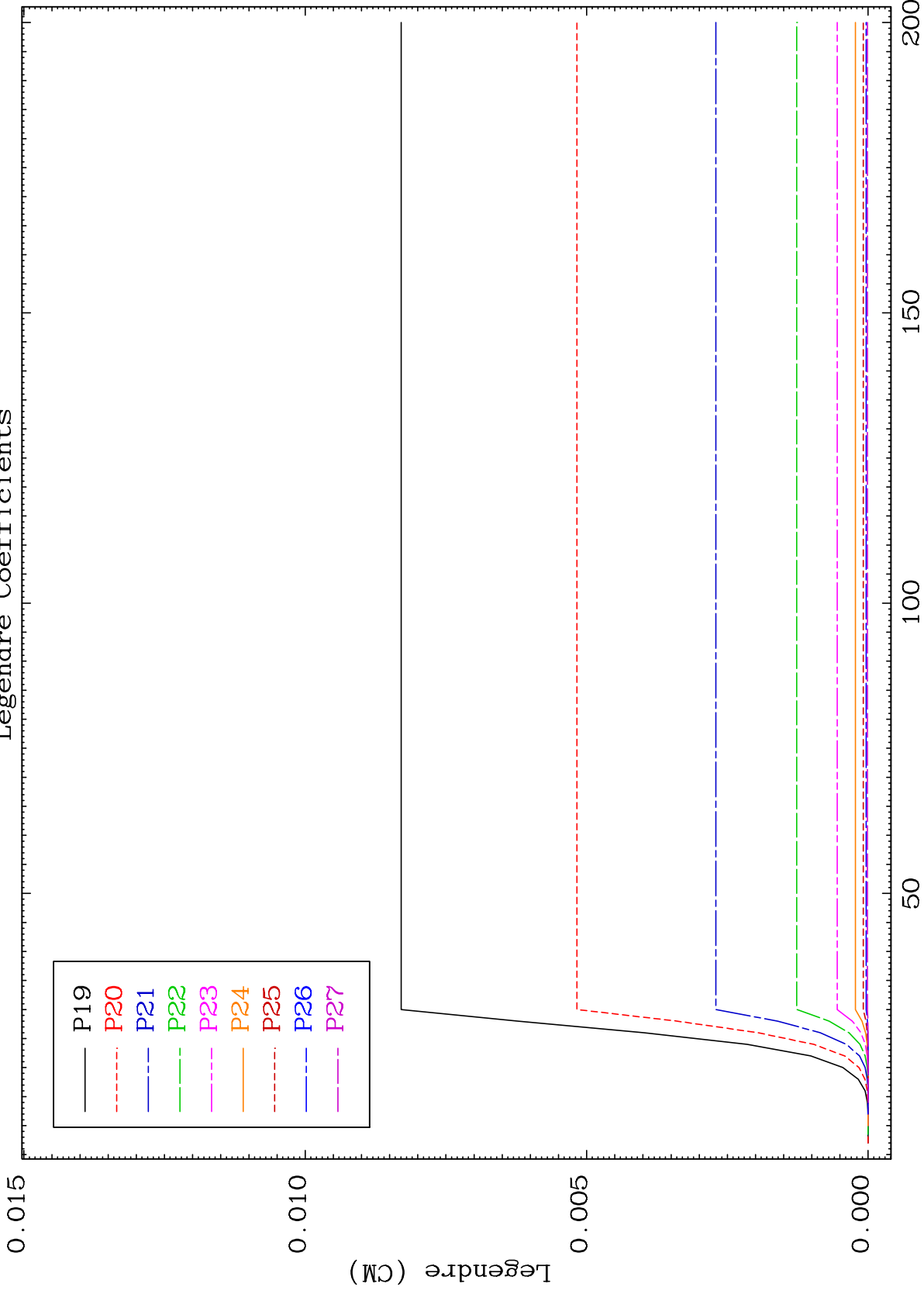
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



37

Incident Energy (MeV)

53-I -129

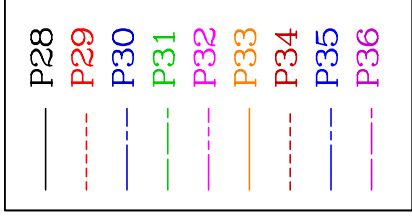
MAT 5331

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

53-I -129

$\times 10^{-6}$

Legendre (CM)



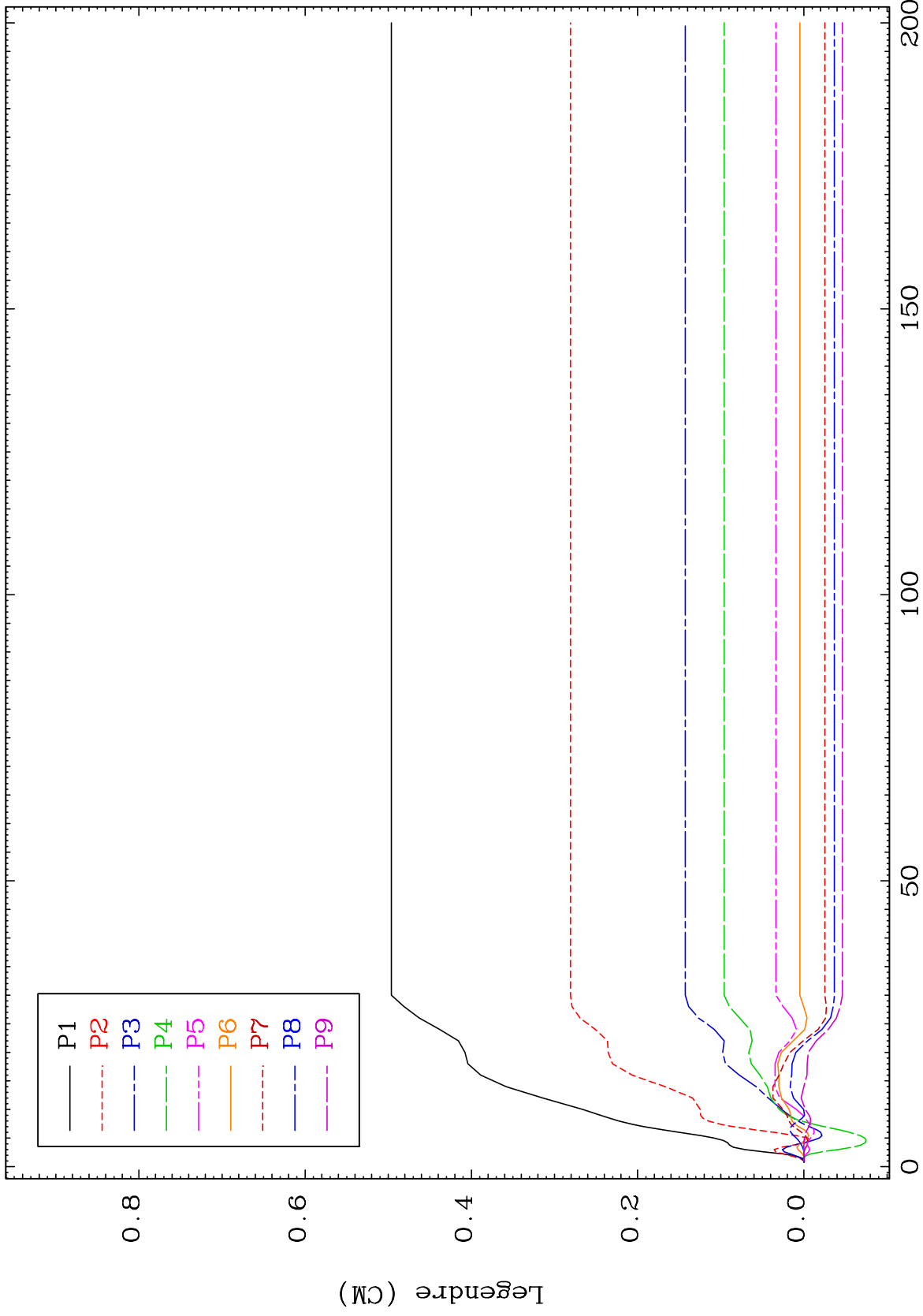
4
3
2
1
0

50 100 150 200

38

Incident Energy (MeV)

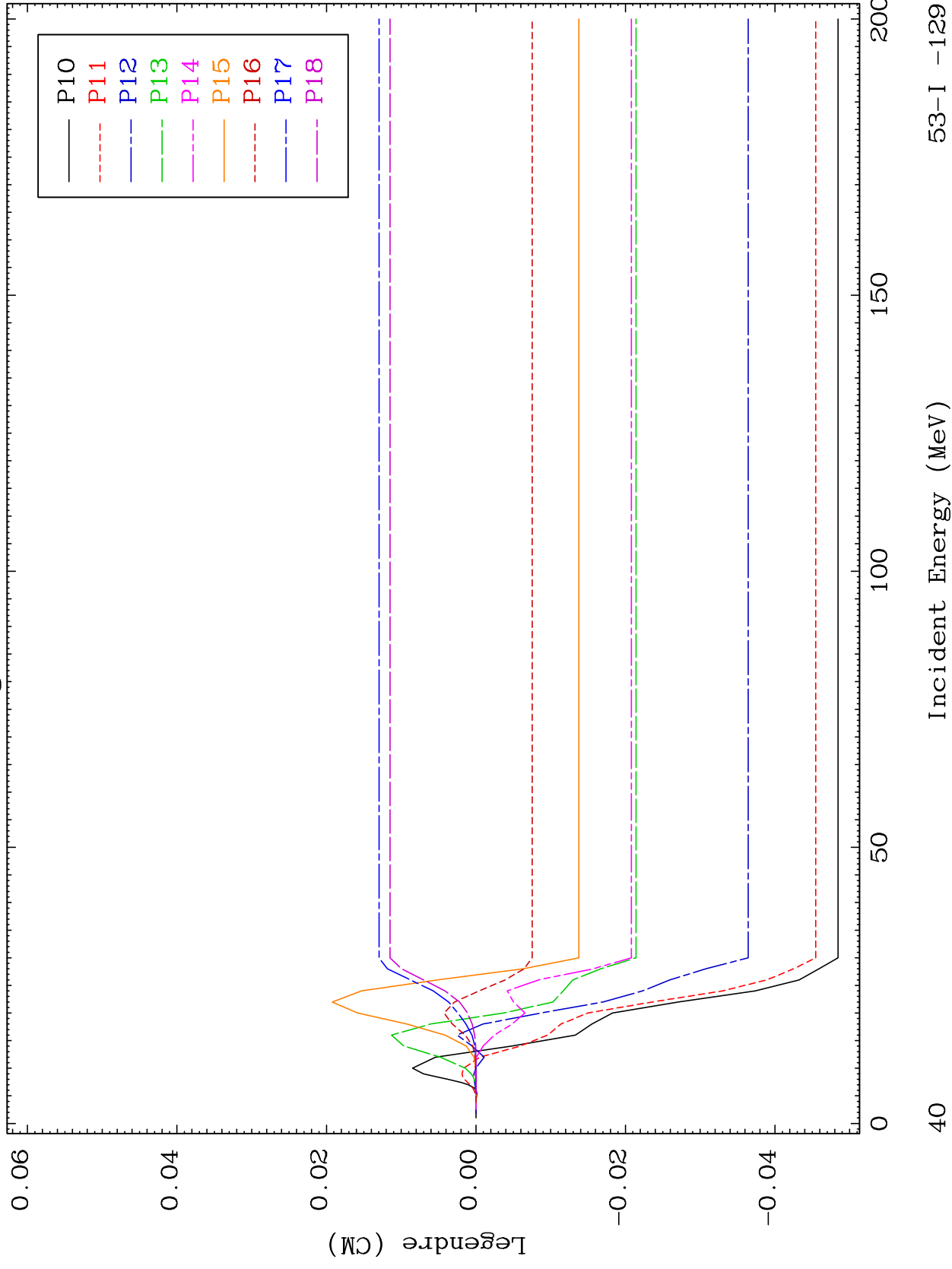
53-I -129

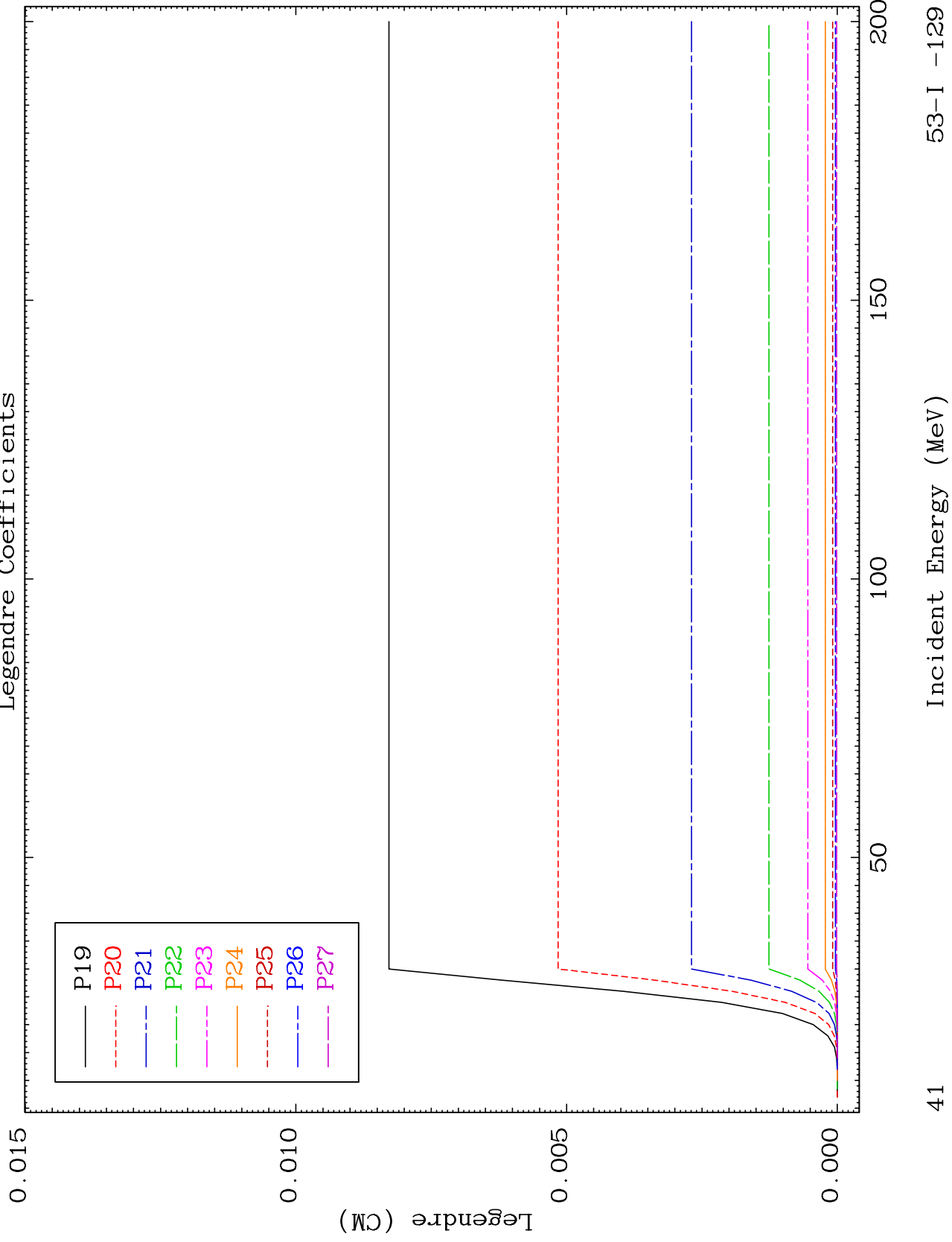


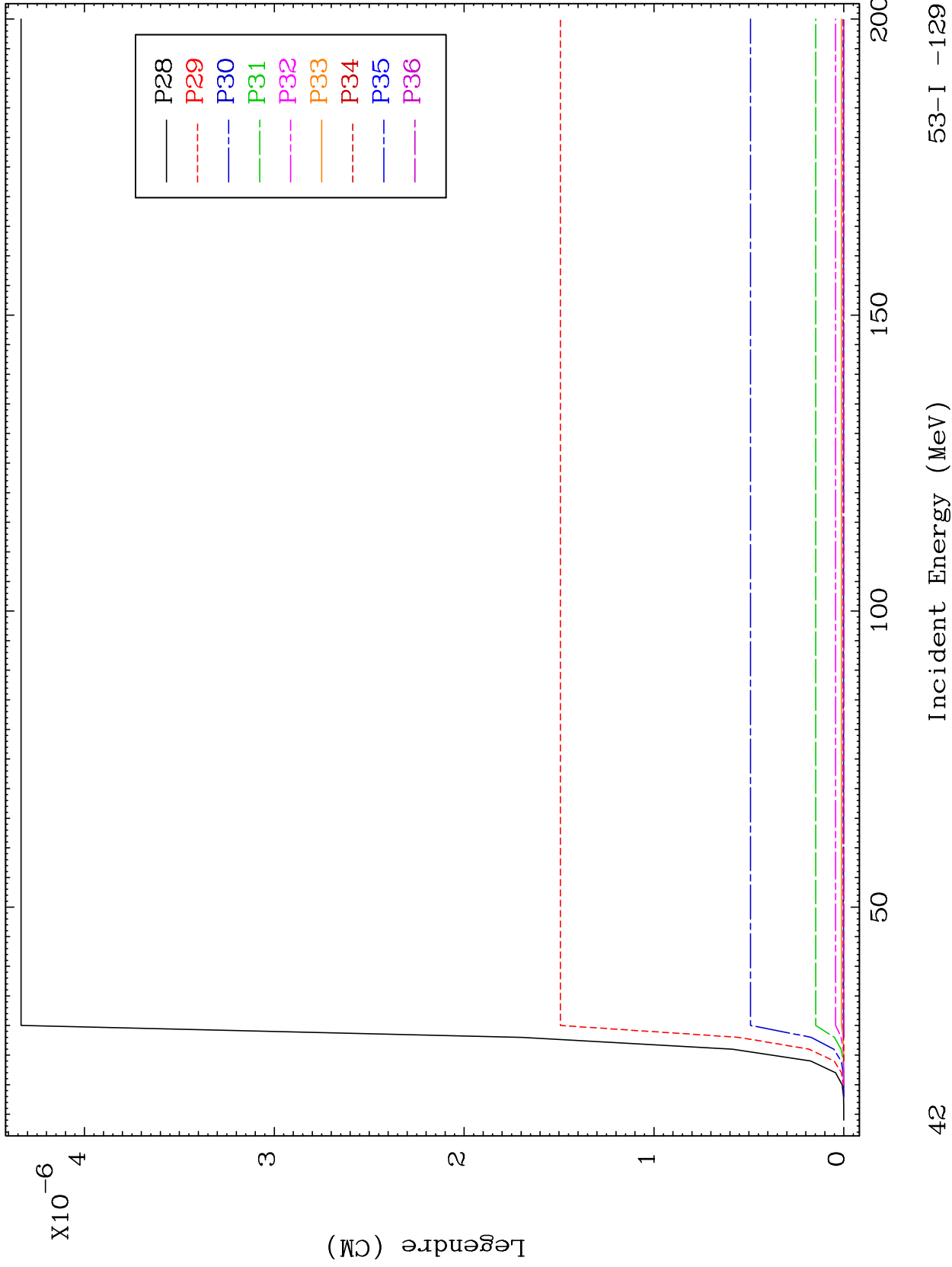
MAT 5331

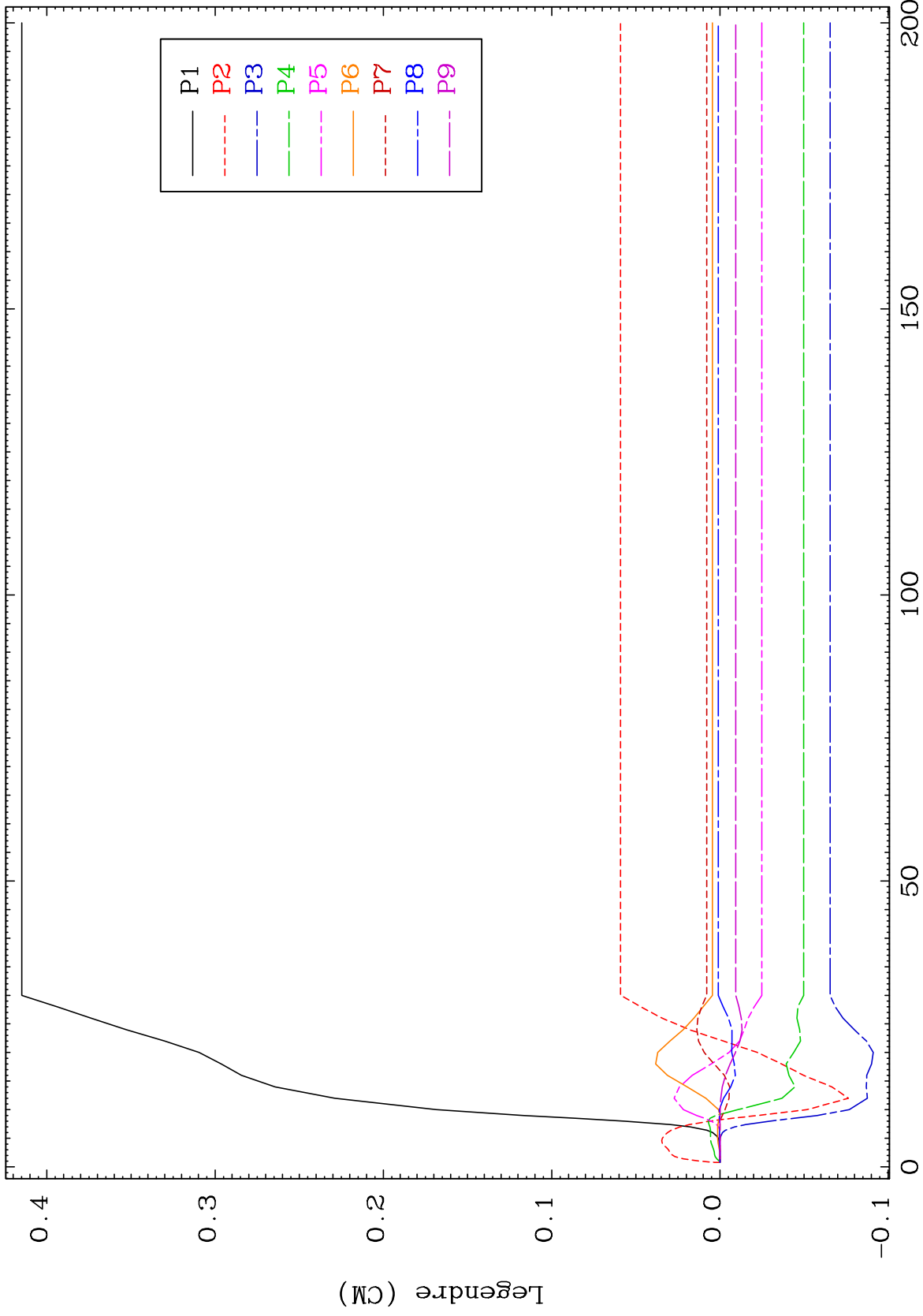
MT= 56 (n,n') Level
Legendre Coefficients

53-I -129





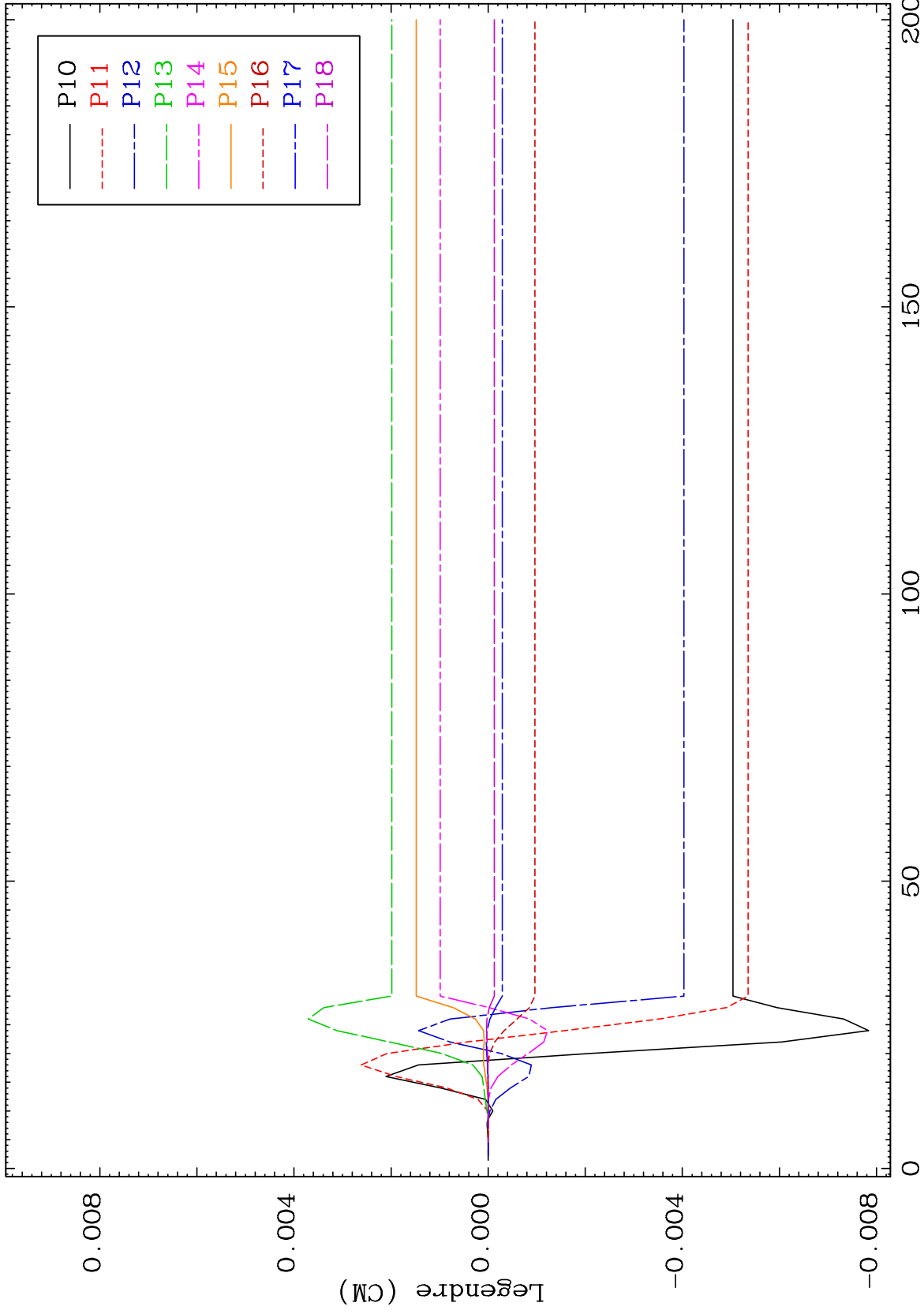




MAT 5331

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

53-I -129



53-I -129

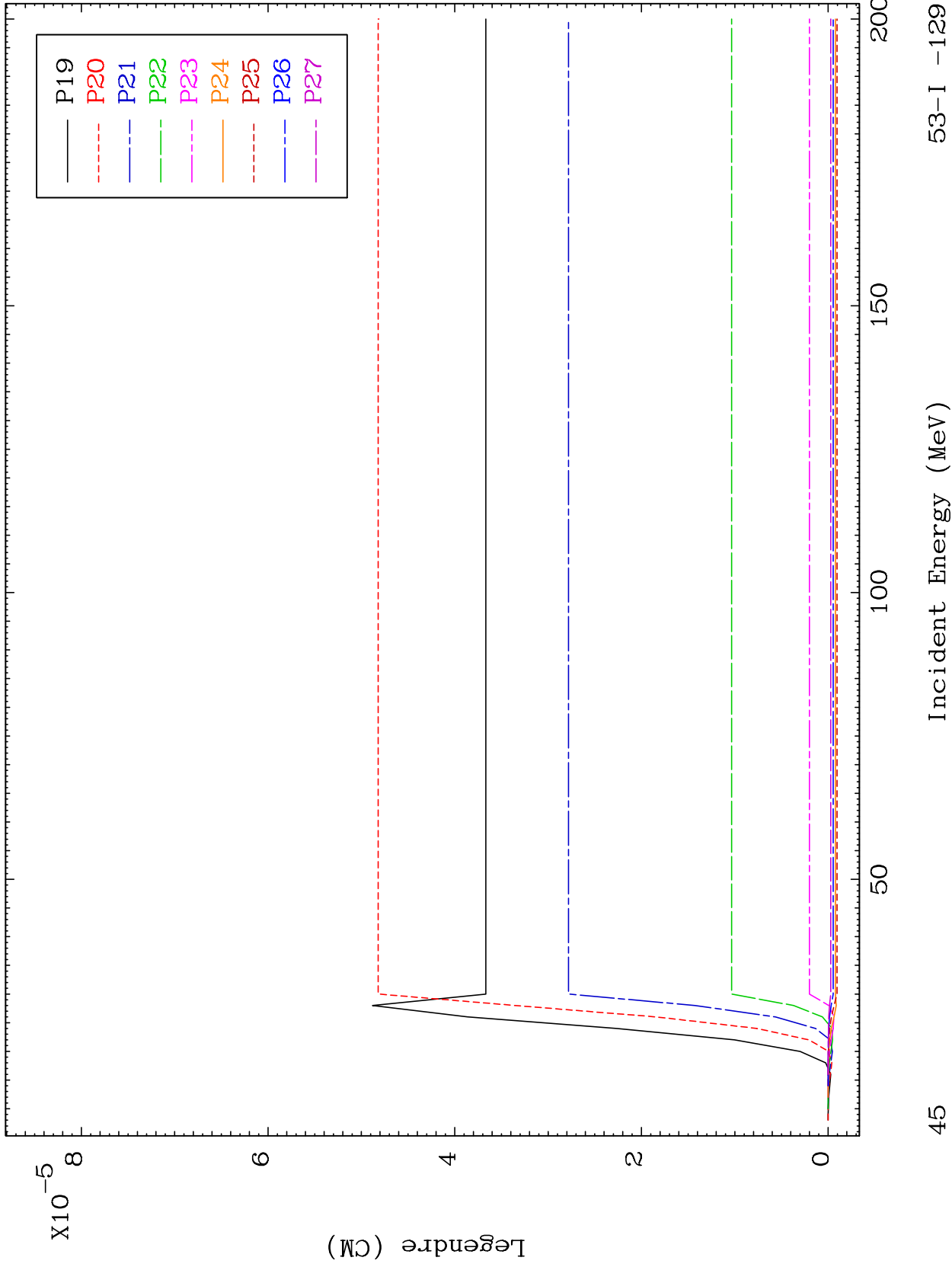
Incident Energy (MeV)

44

MAT 5331

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

53-I -129



45

Incident Energy (MeV)

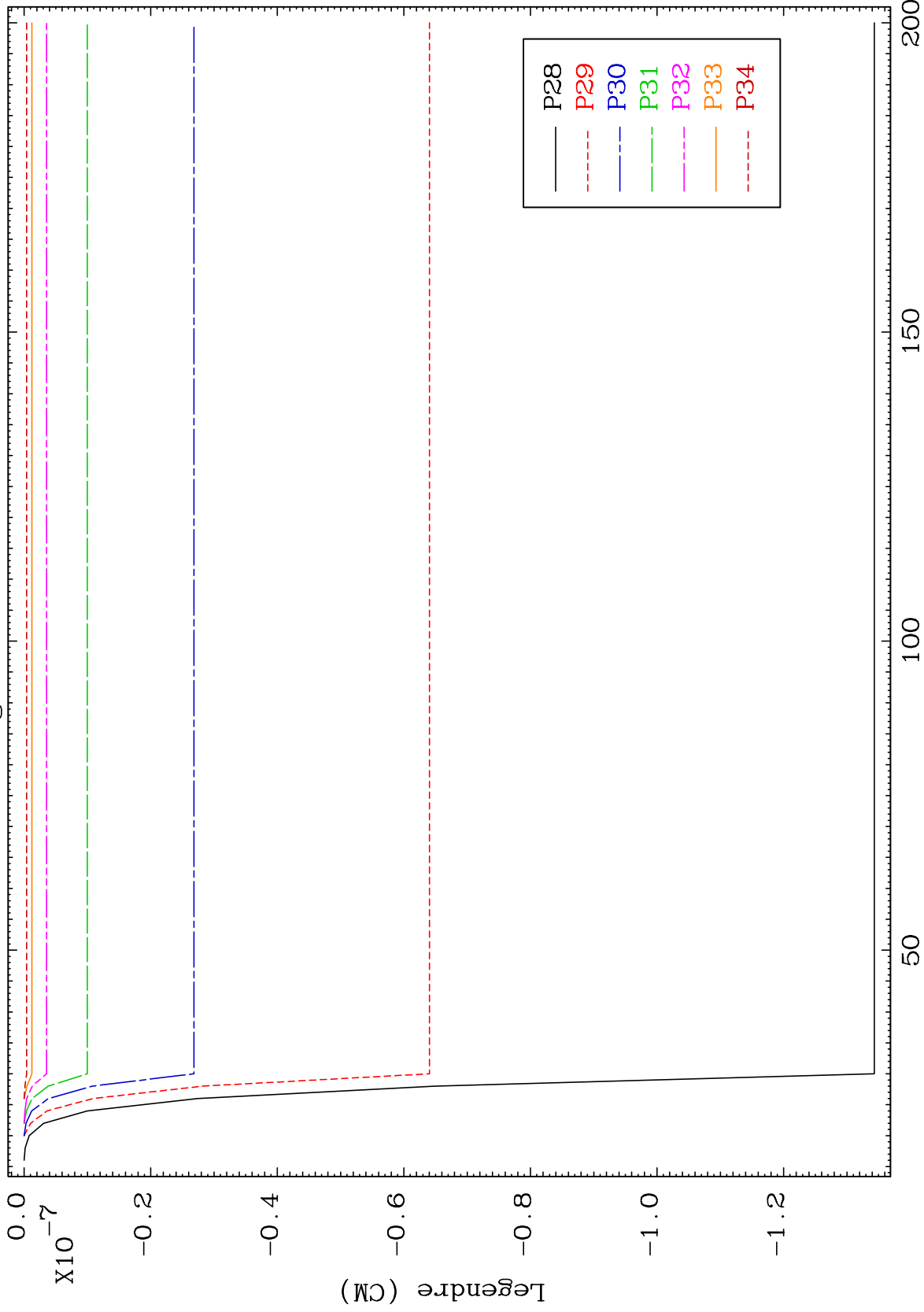
53-I -129

MAT 5331

MT= 57 (n,n') Level

53-I -129

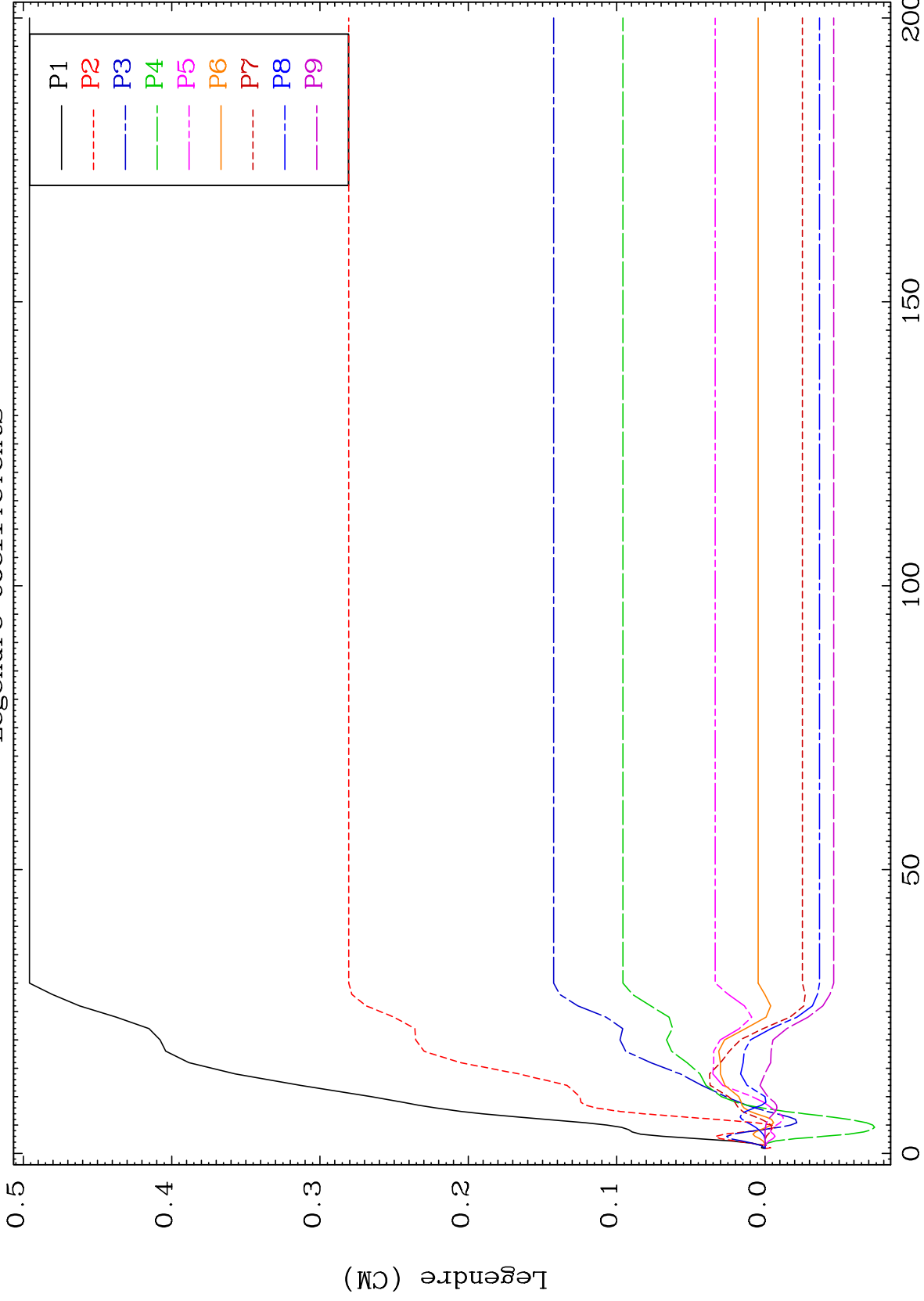
Legendre Coefficients



46

Incident Energy (MeV)

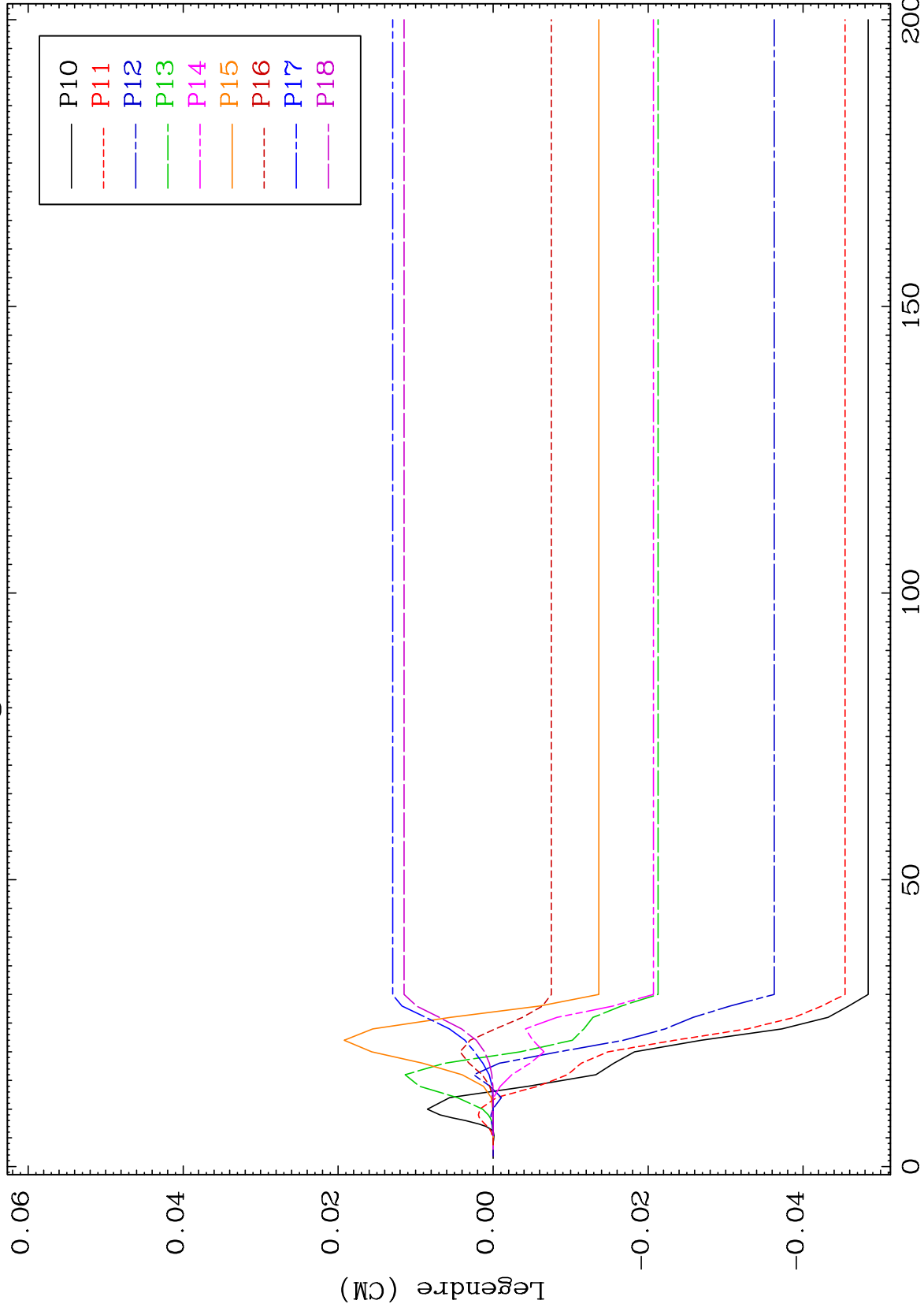
53-I -129



MAT 5331

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

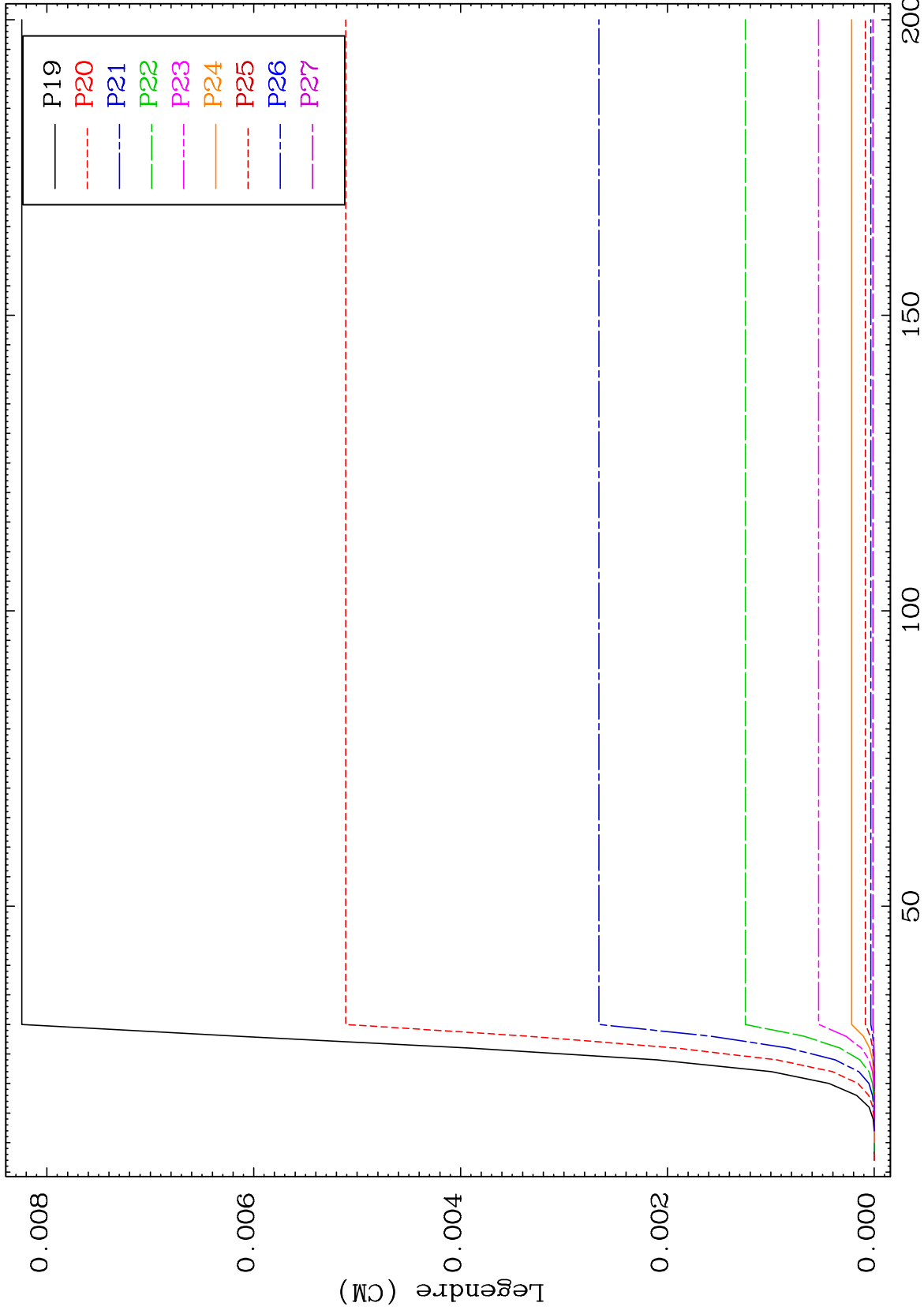
53-I -129



48

Incident Energy (MeV)

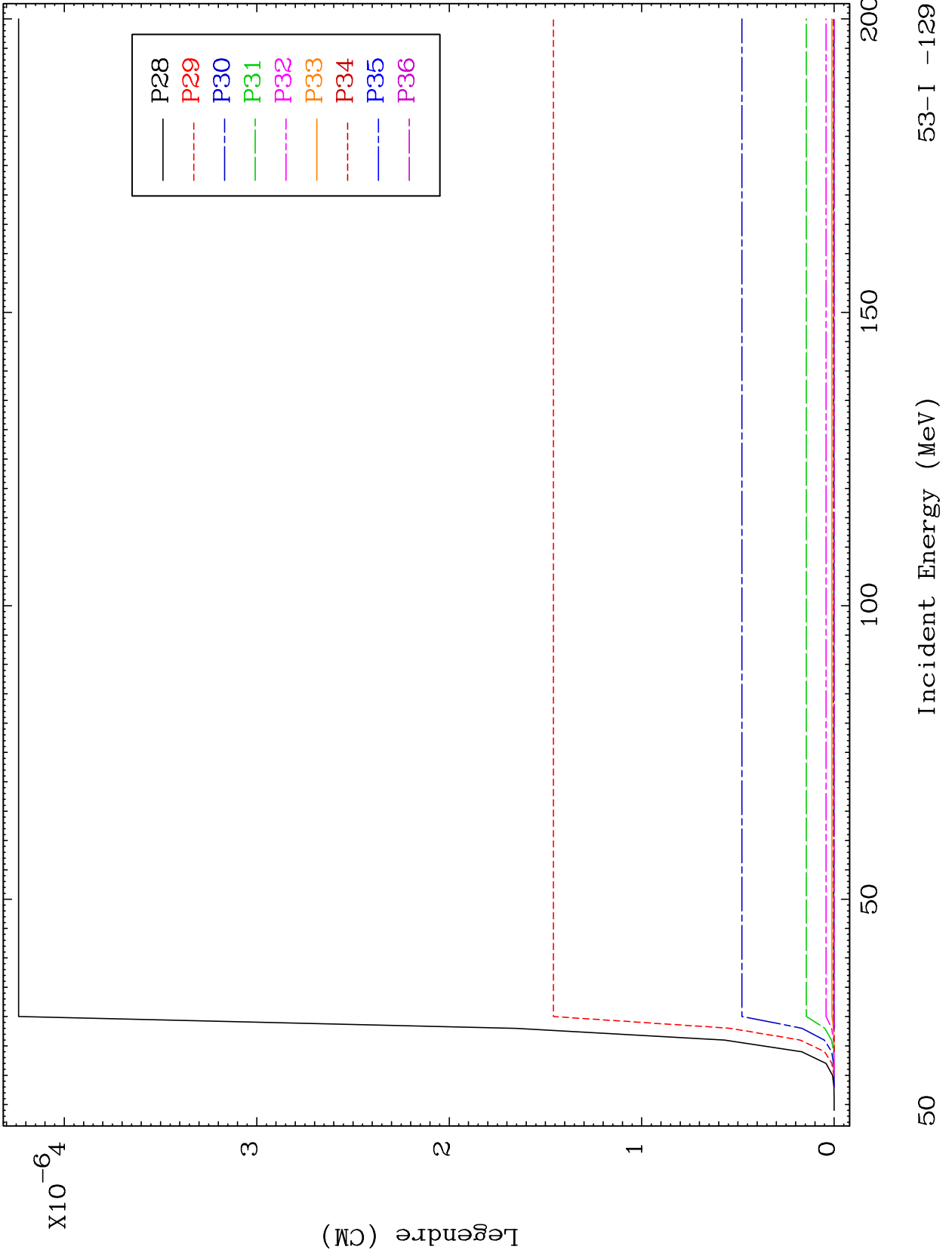
53-I -129

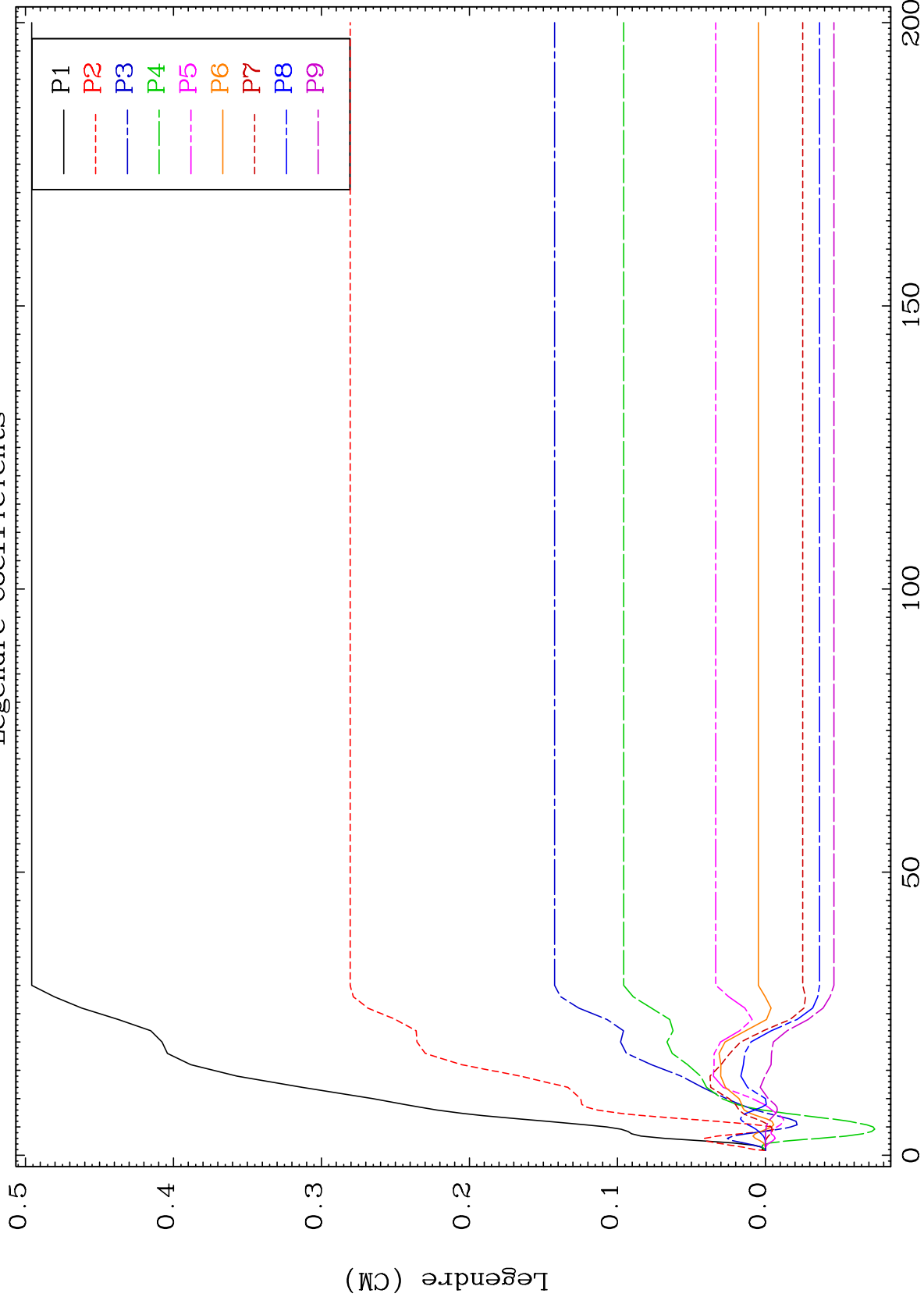


MAT 5331

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

53-I -129

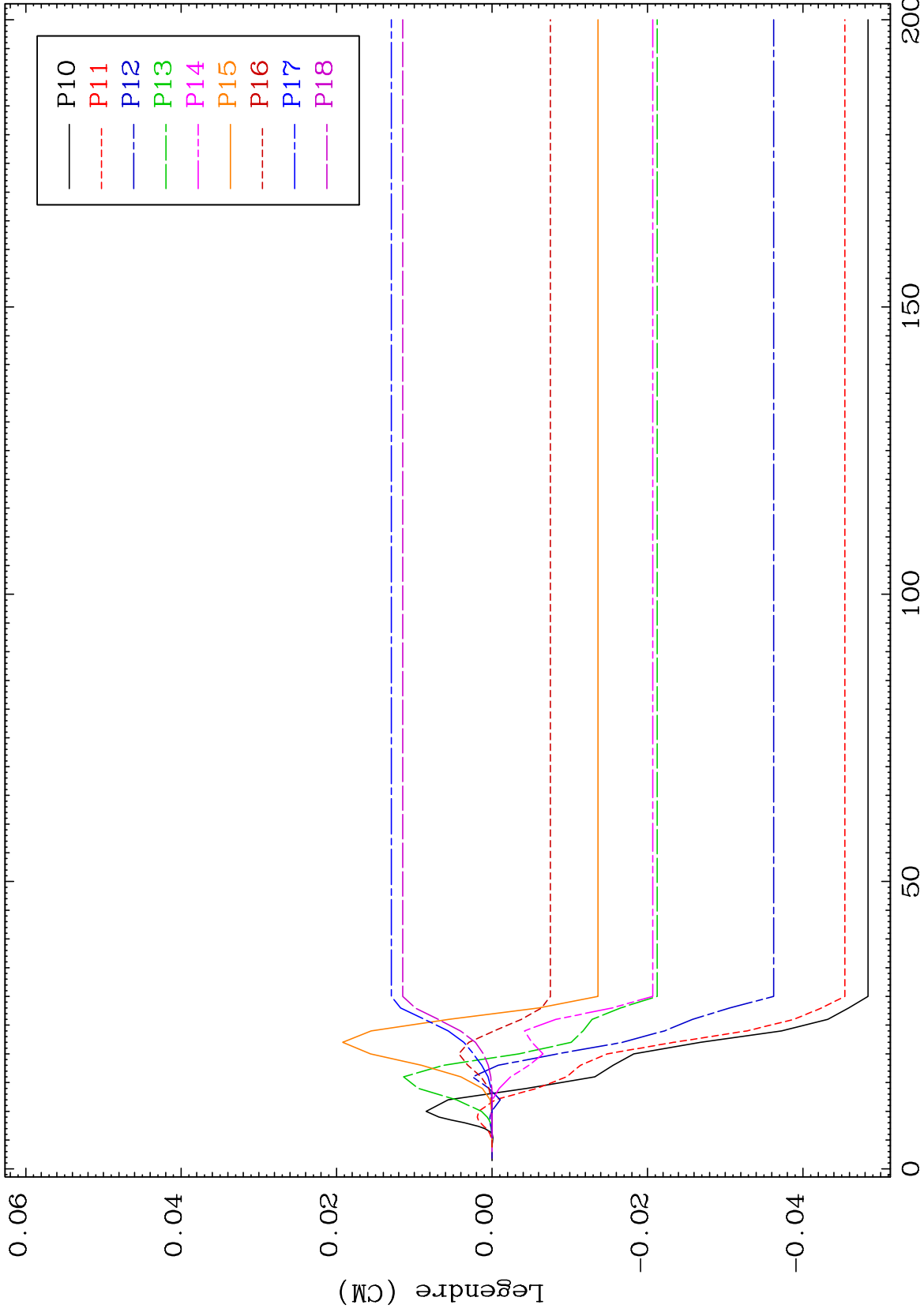




MAT 5331

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

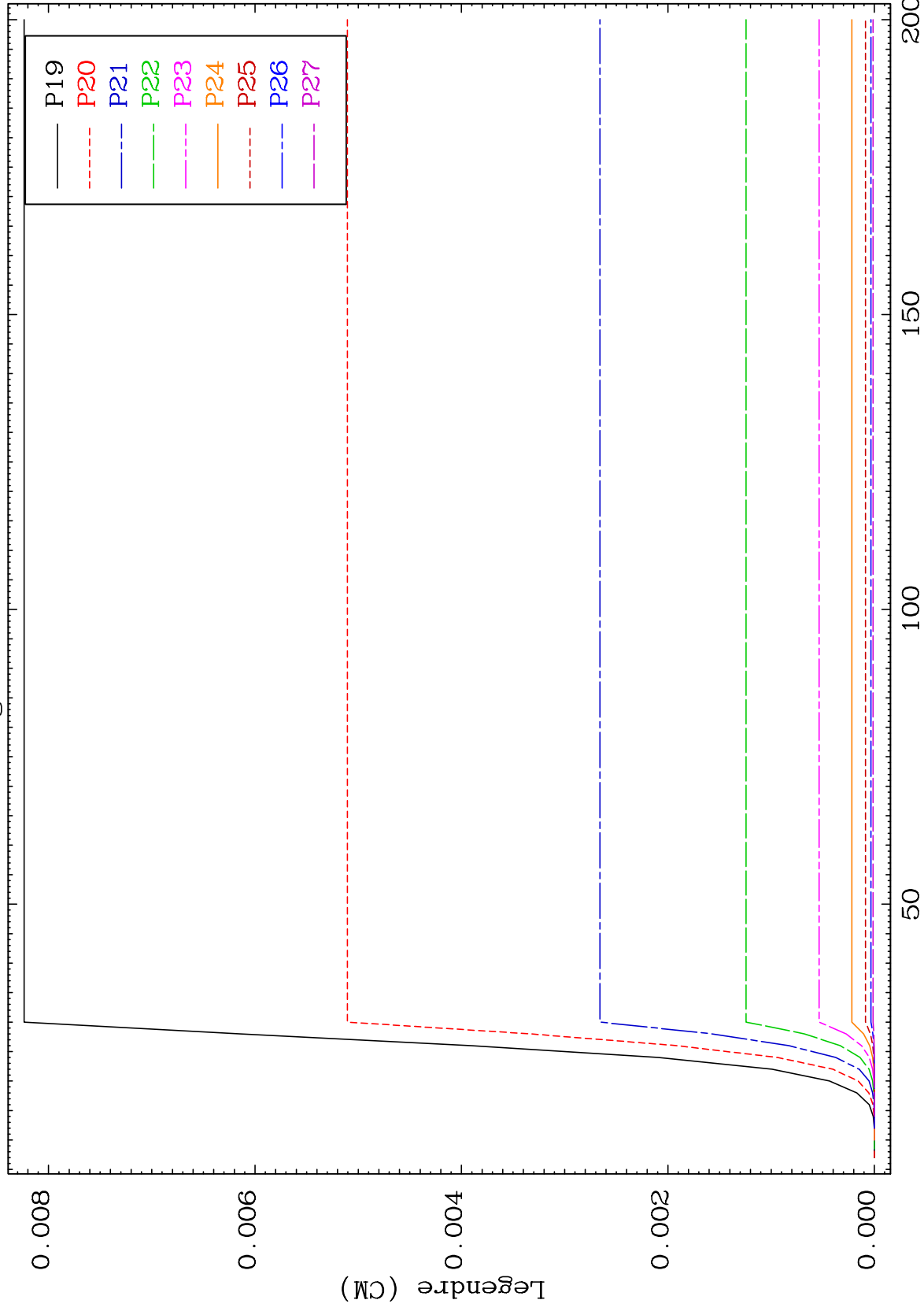
53-I -129

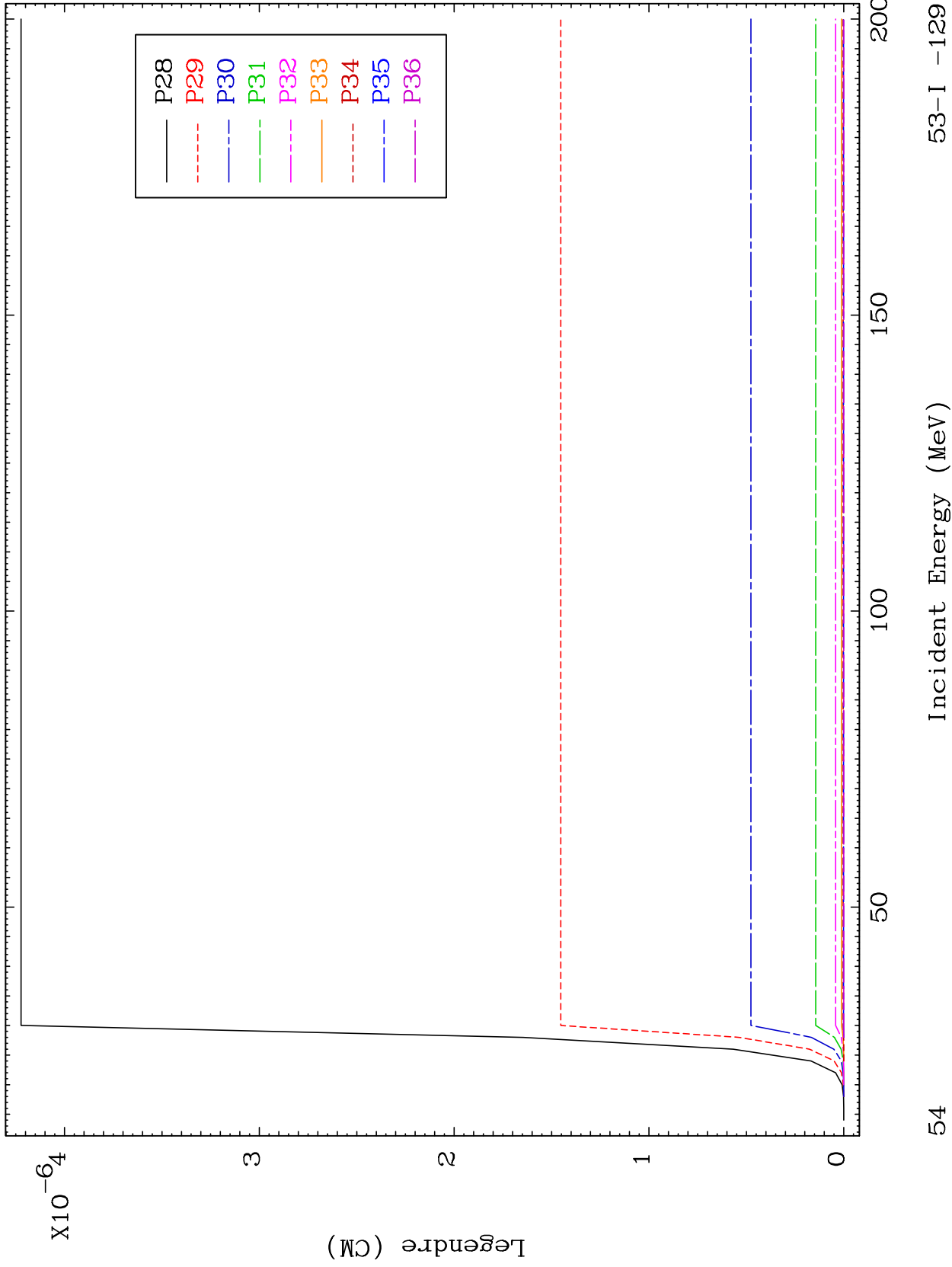


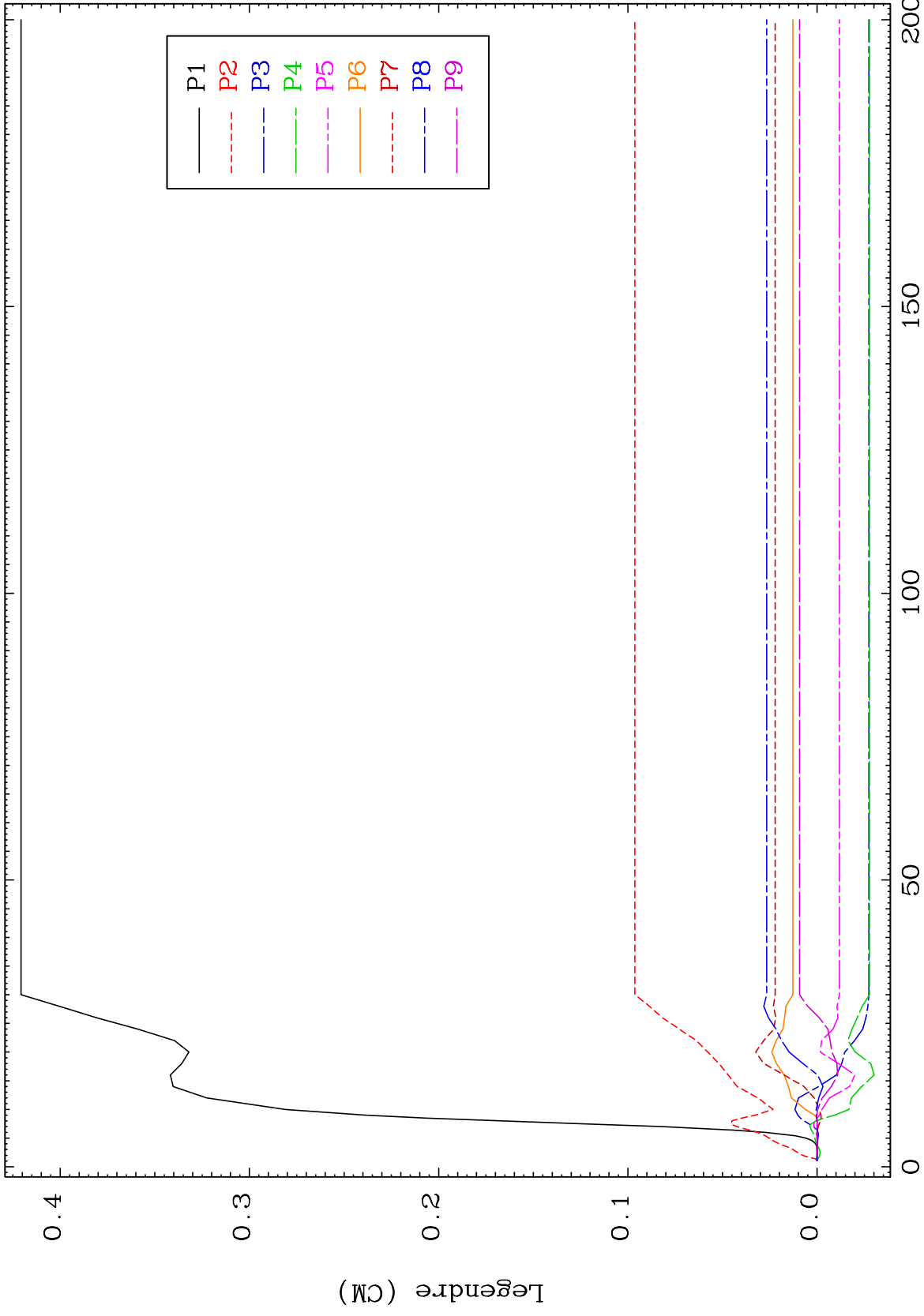
52

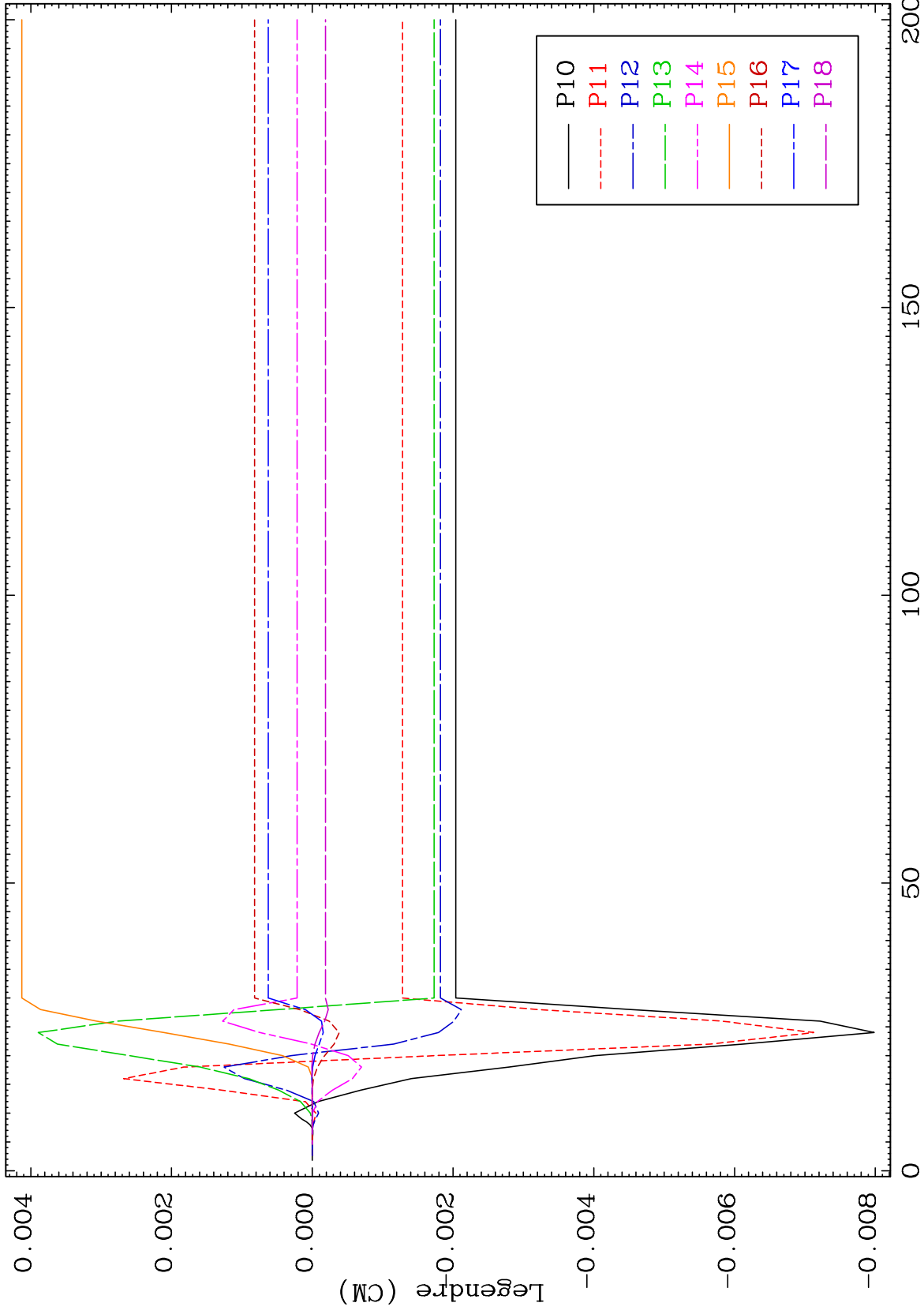
Incident Energy (MeV)

53-I -129







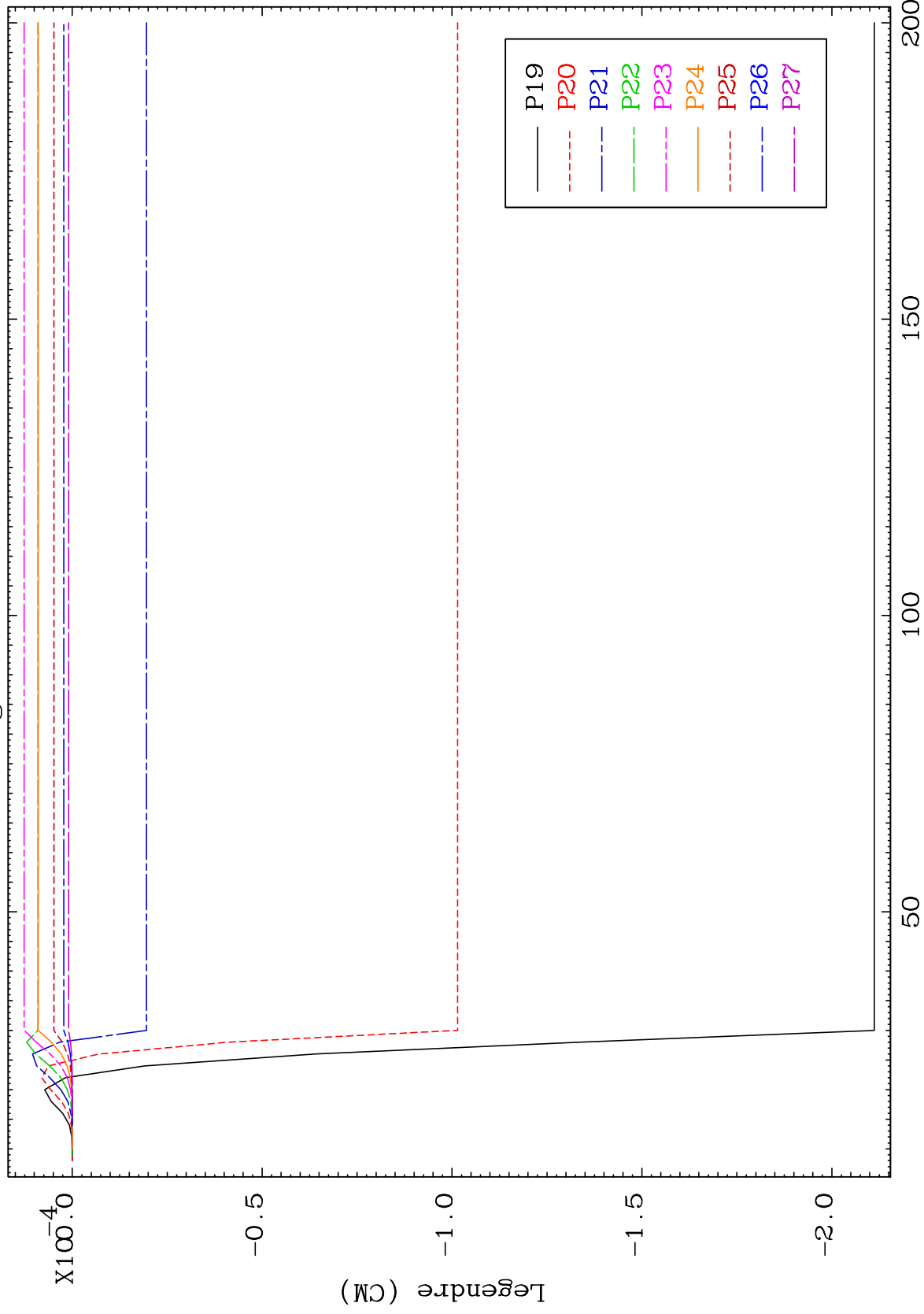


MAT 5331

MT= 60 (n,n') Level

53-I -129

Legendre Coefficients



57

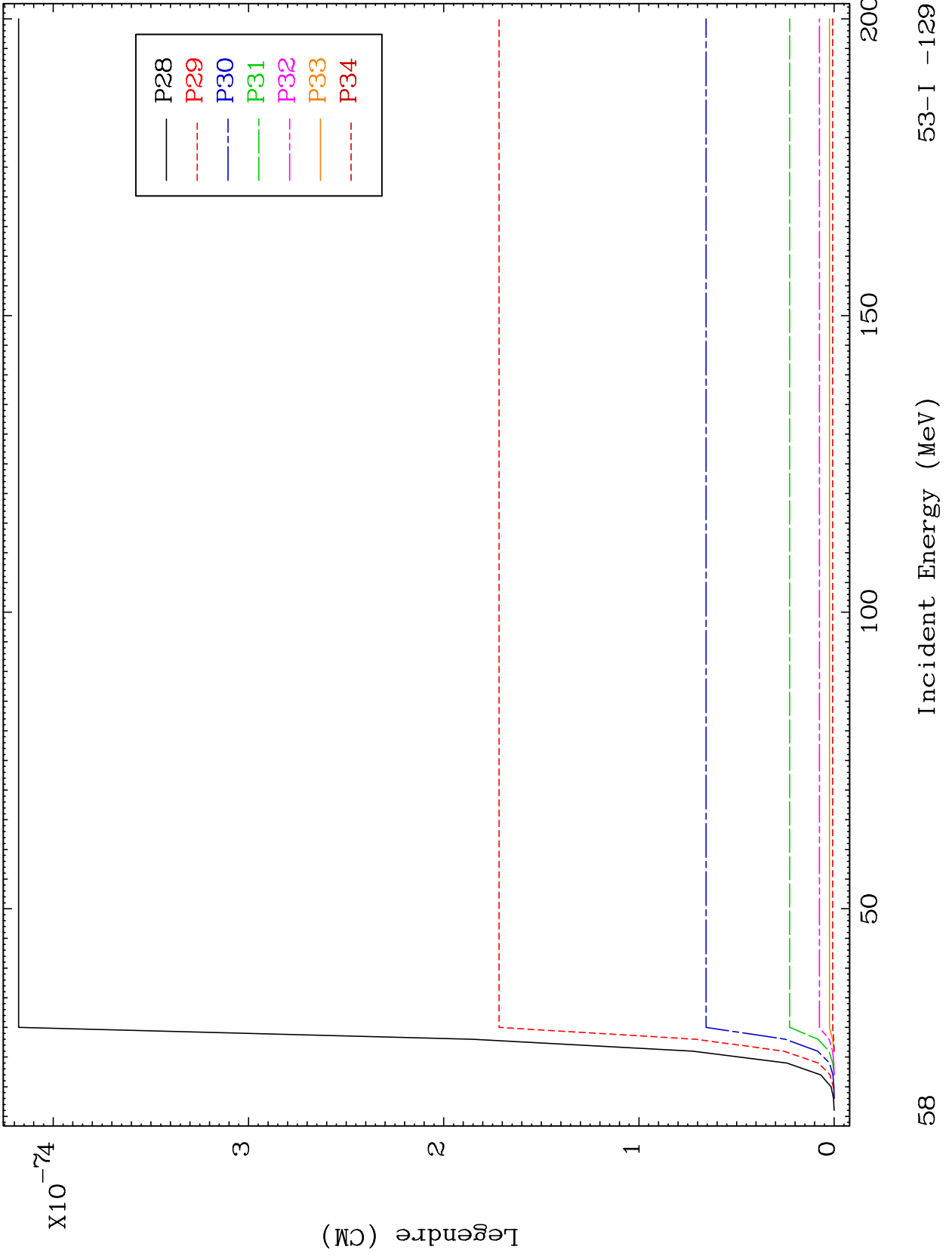
Incident Energy (MeV)

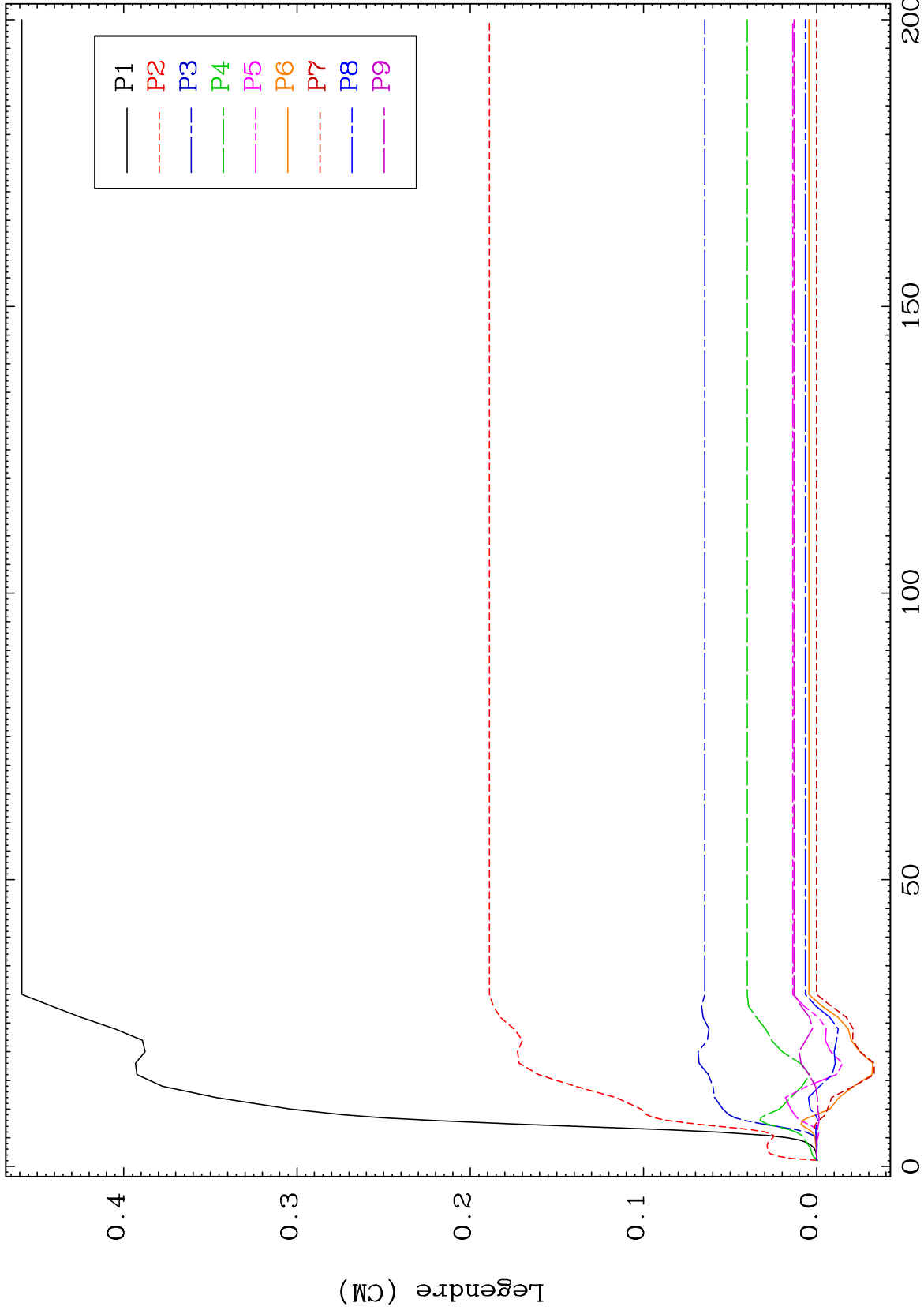
53-I -129

MAT 5331

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

53-I -129

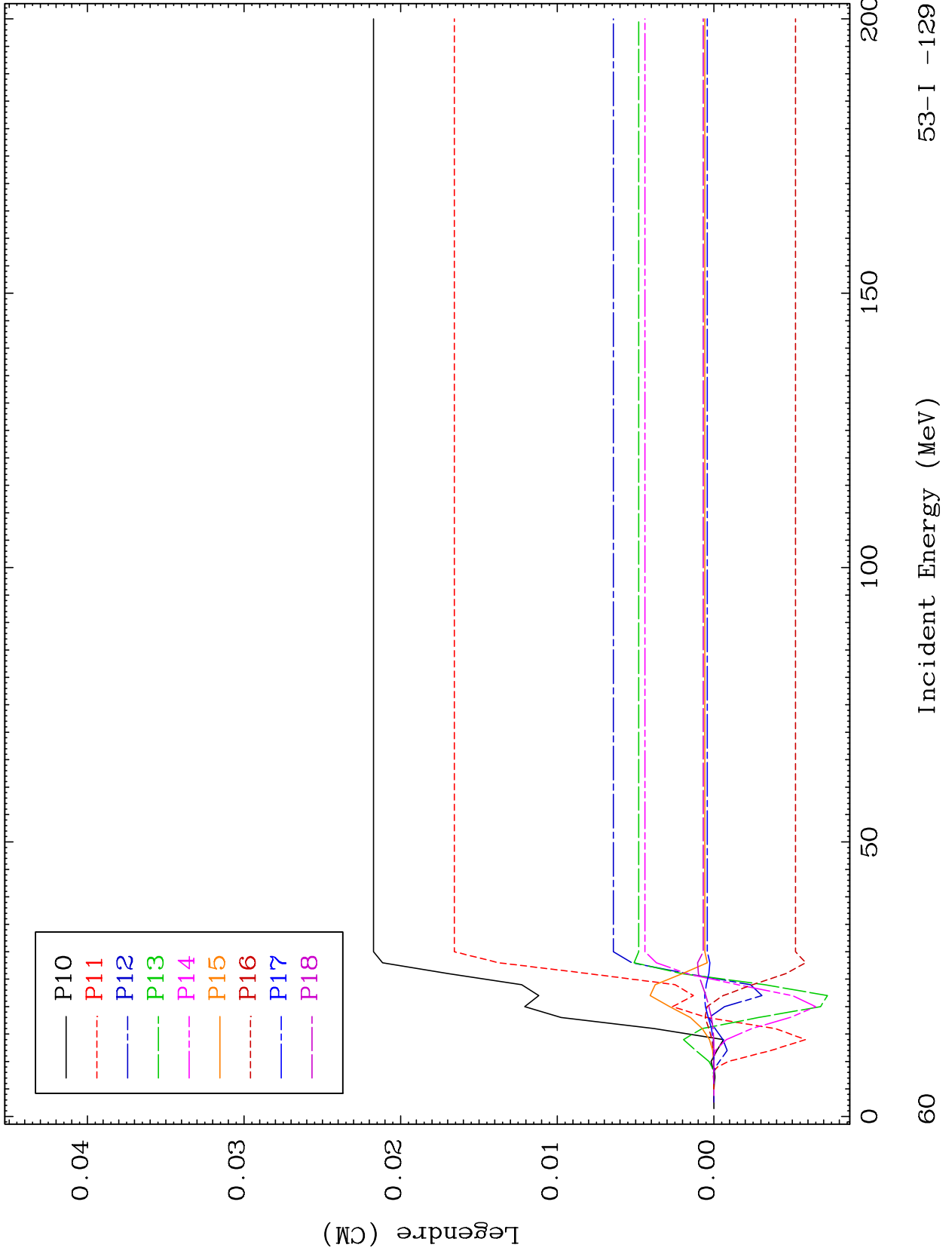




MAT 5331

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

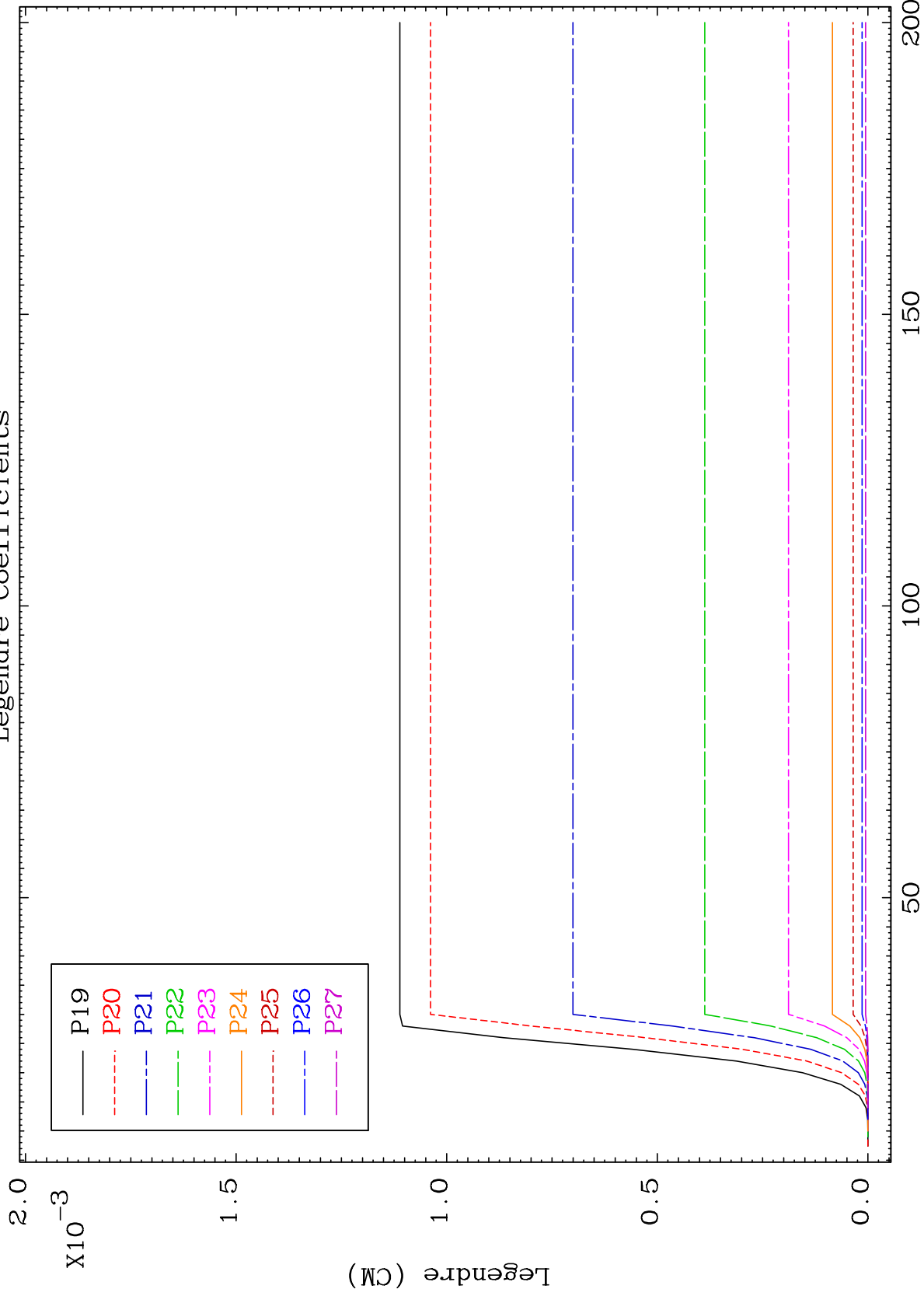
53-I -129

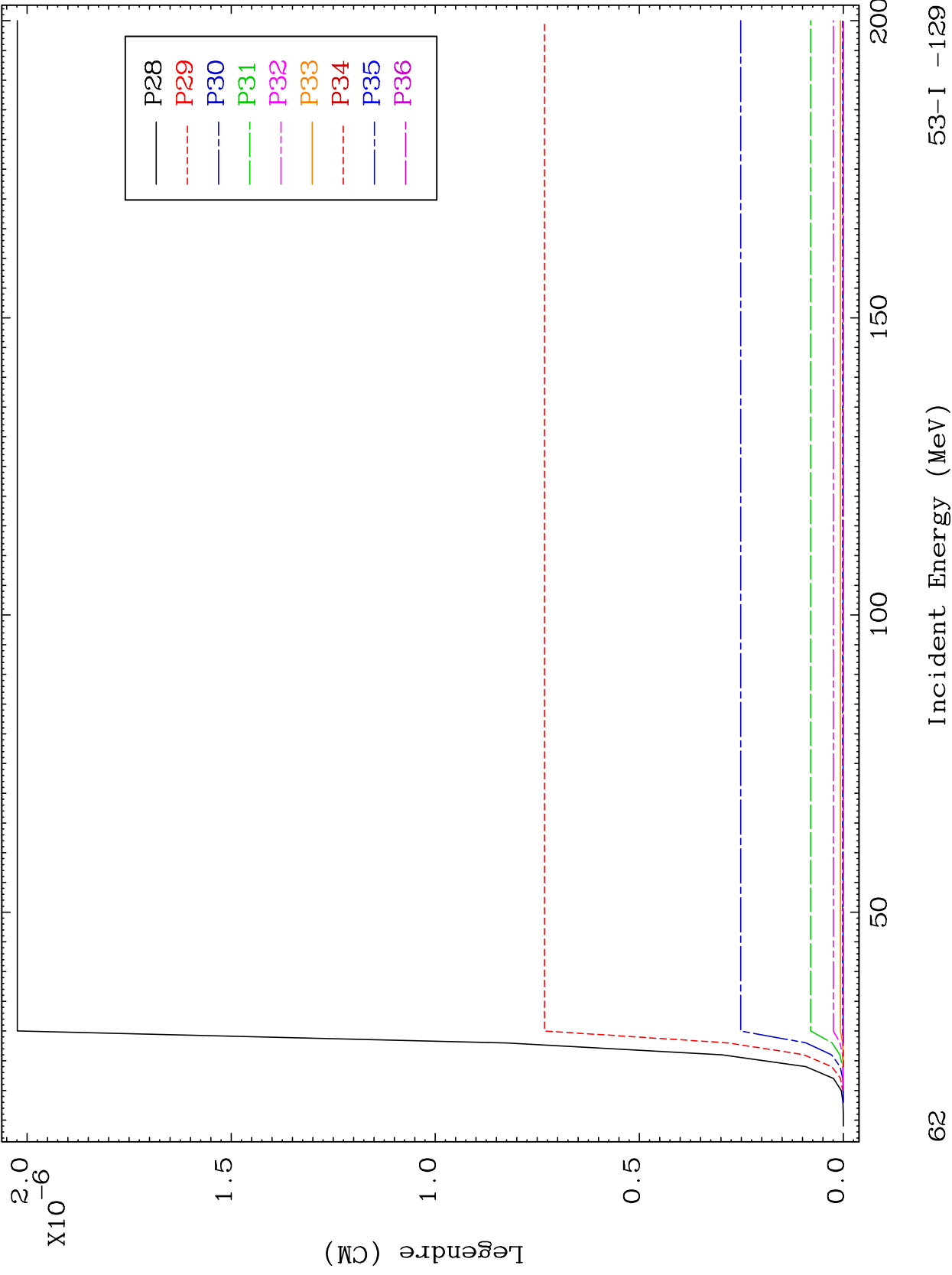


53-I -129

Incident Energy (MeV)

60



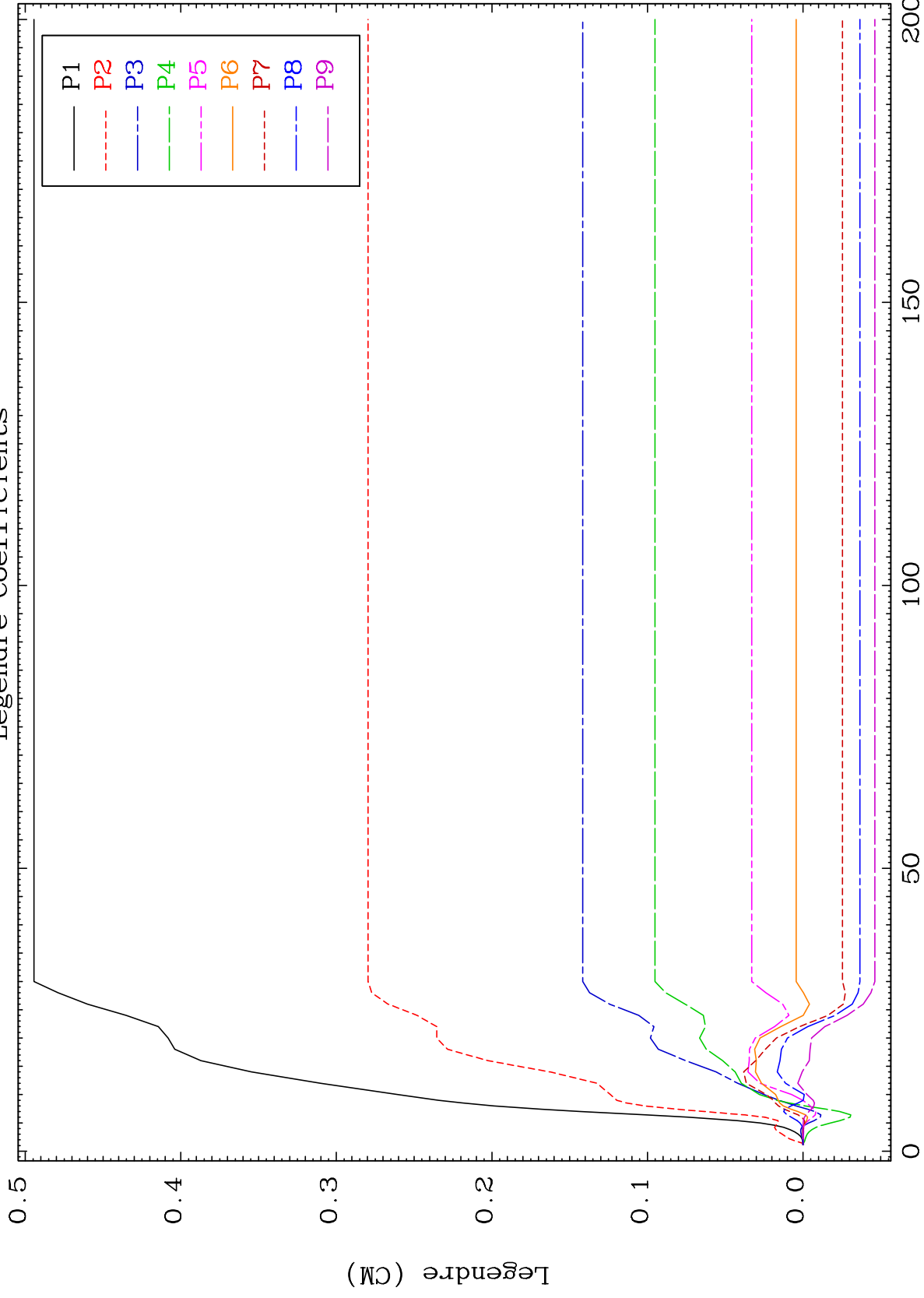


MAT 5331

MT= 62 (n,n') Level

53-I -129

Legendre Coefficients



63

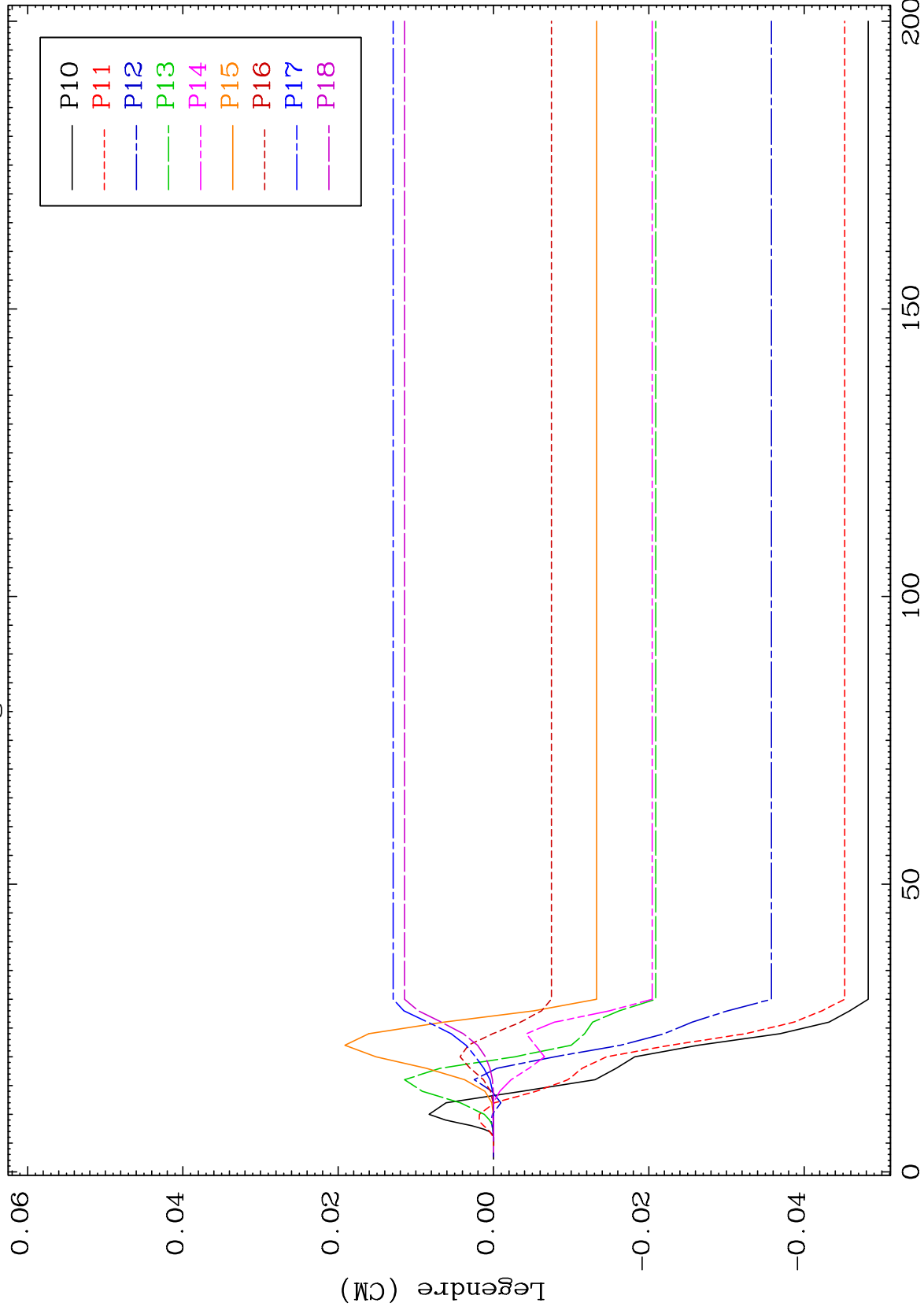
Incident Energy (MeV)

53-I -129

MAT 5331

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

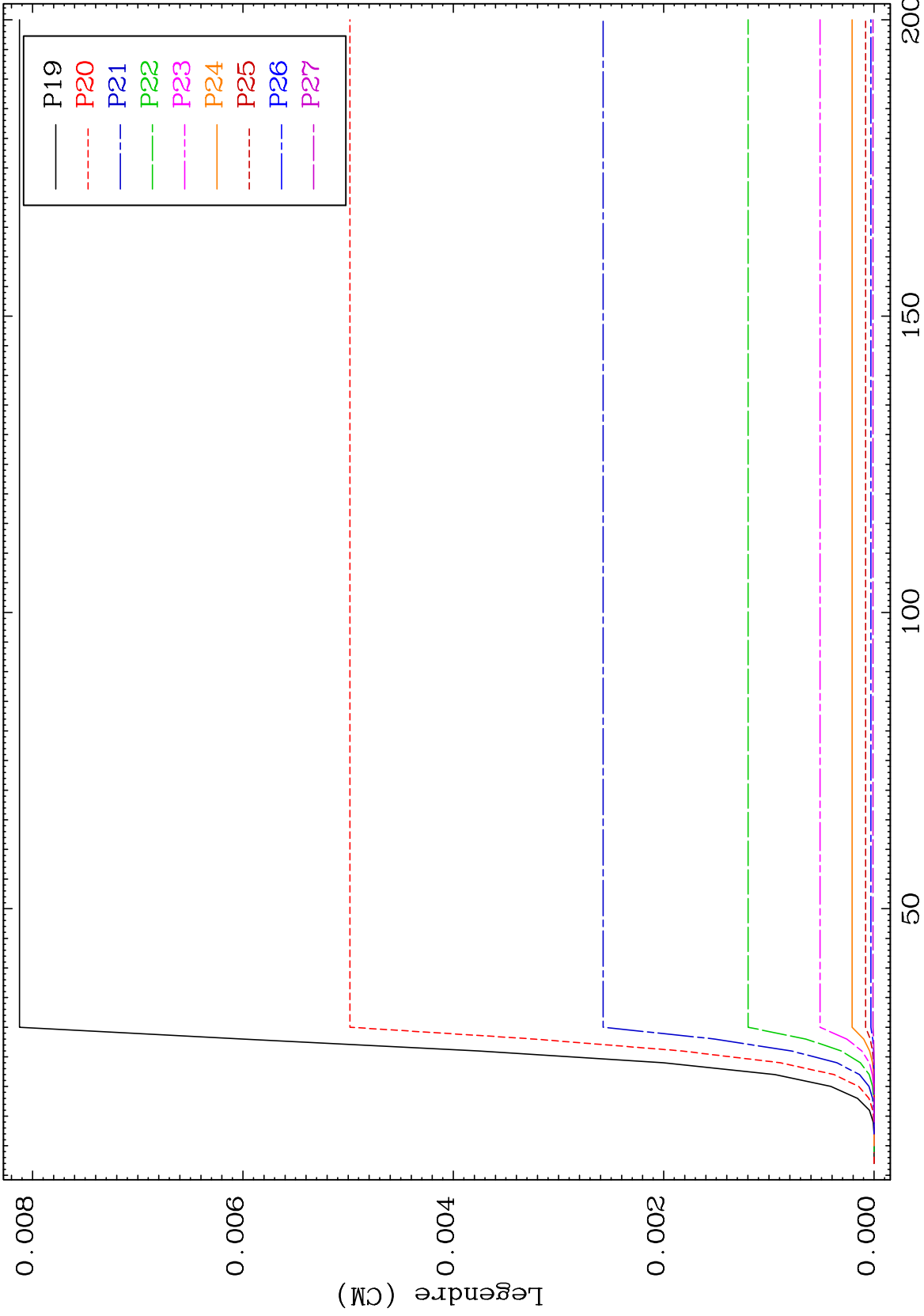
53-I -129

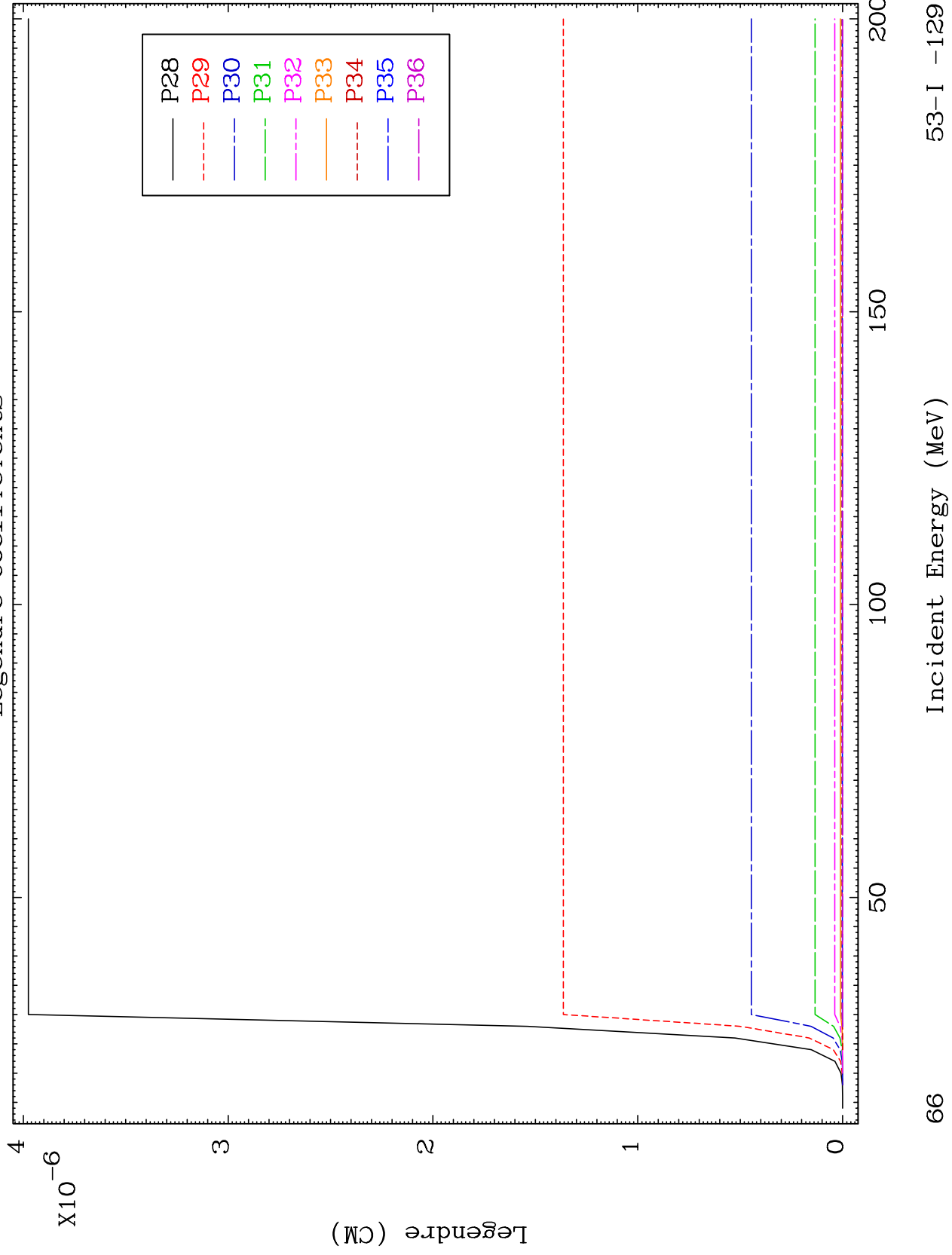


64

Incident Energy (MeV)

53-I -129



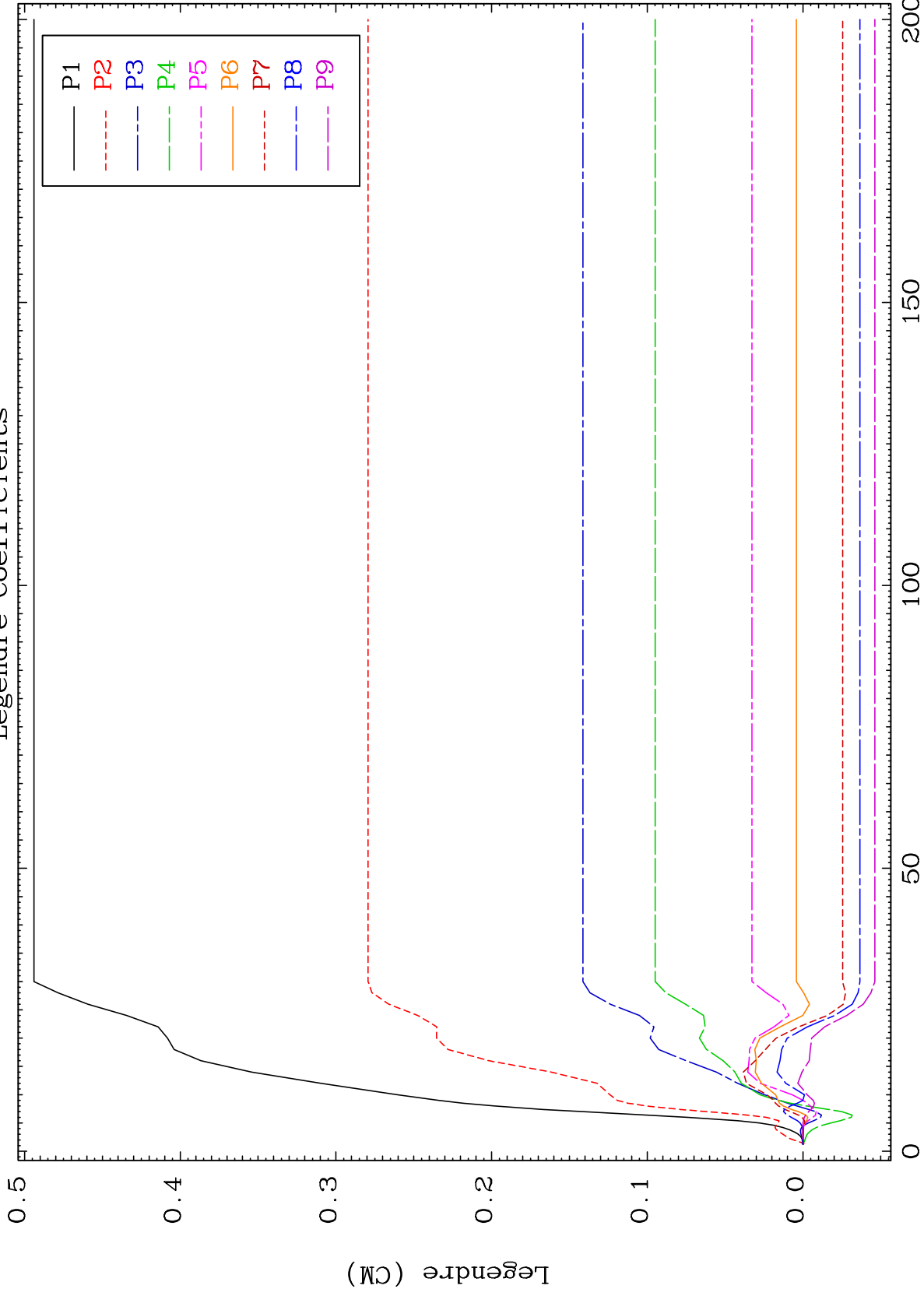


MAT 5331

MT= 63 (n,n') Level

53-I -129

Legendre Coefficients



67

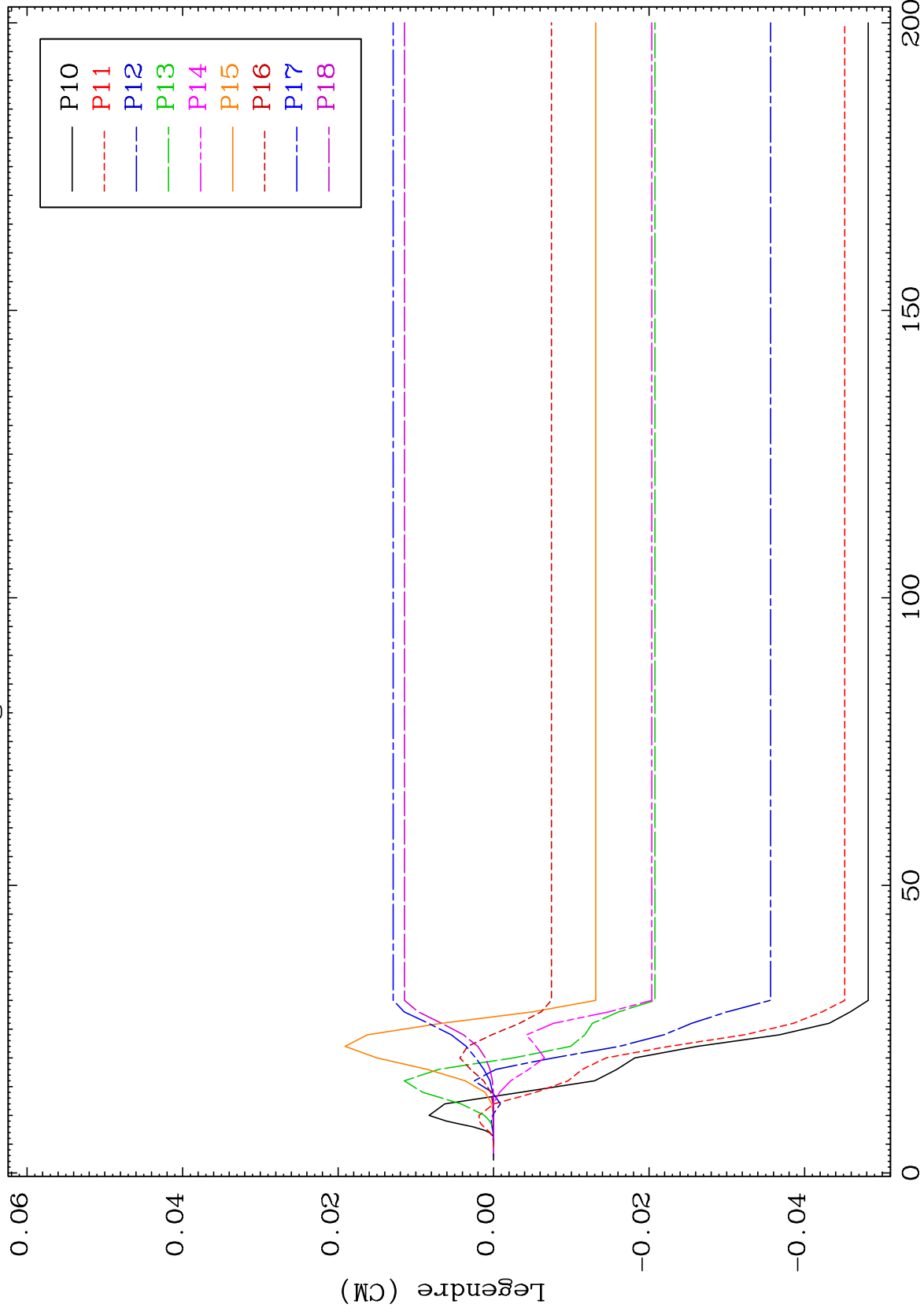
Incident Energy (MeV)

53-I -129

MAT 5331

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

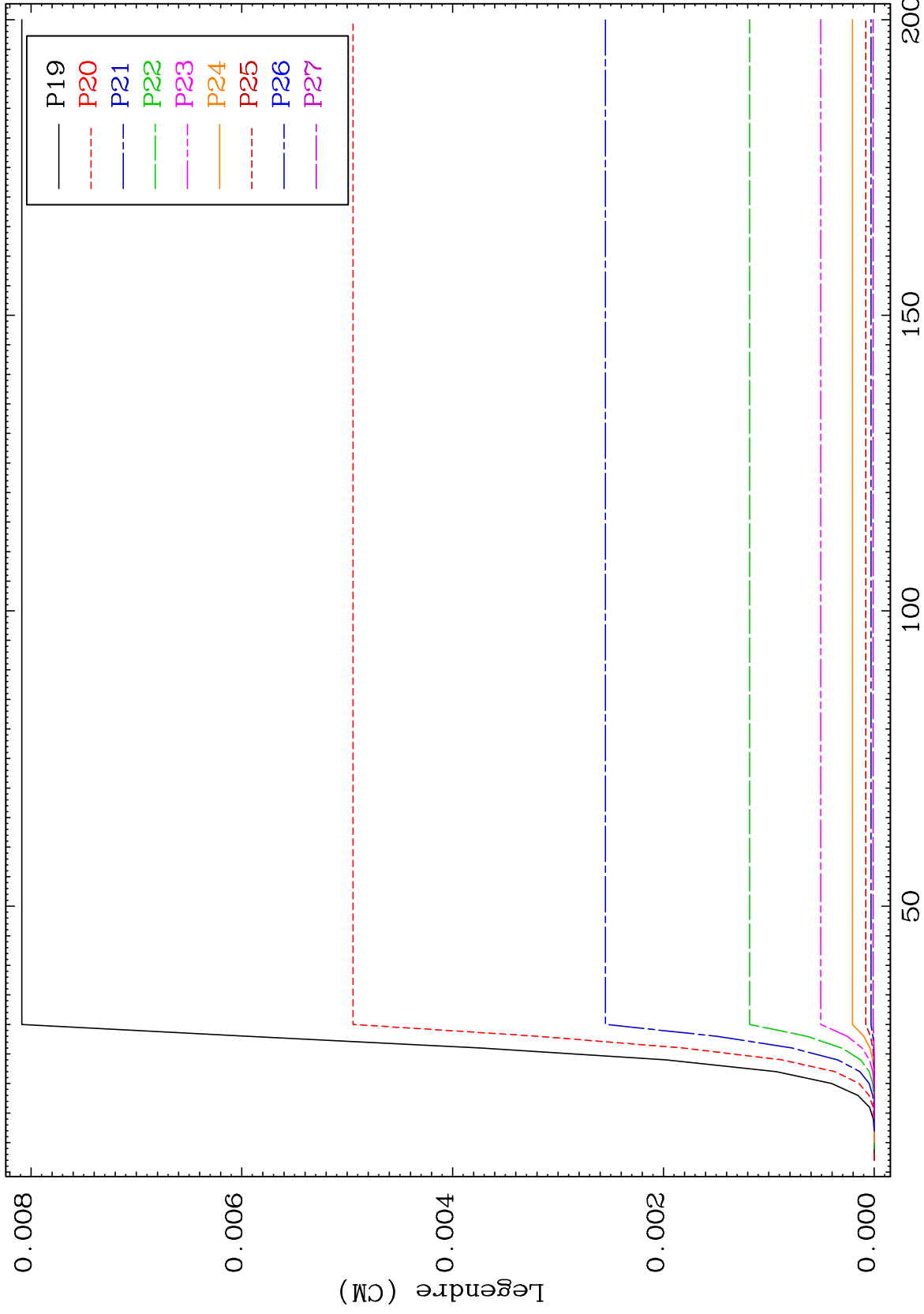
53-I -129



68

Incident Energy (MeV)

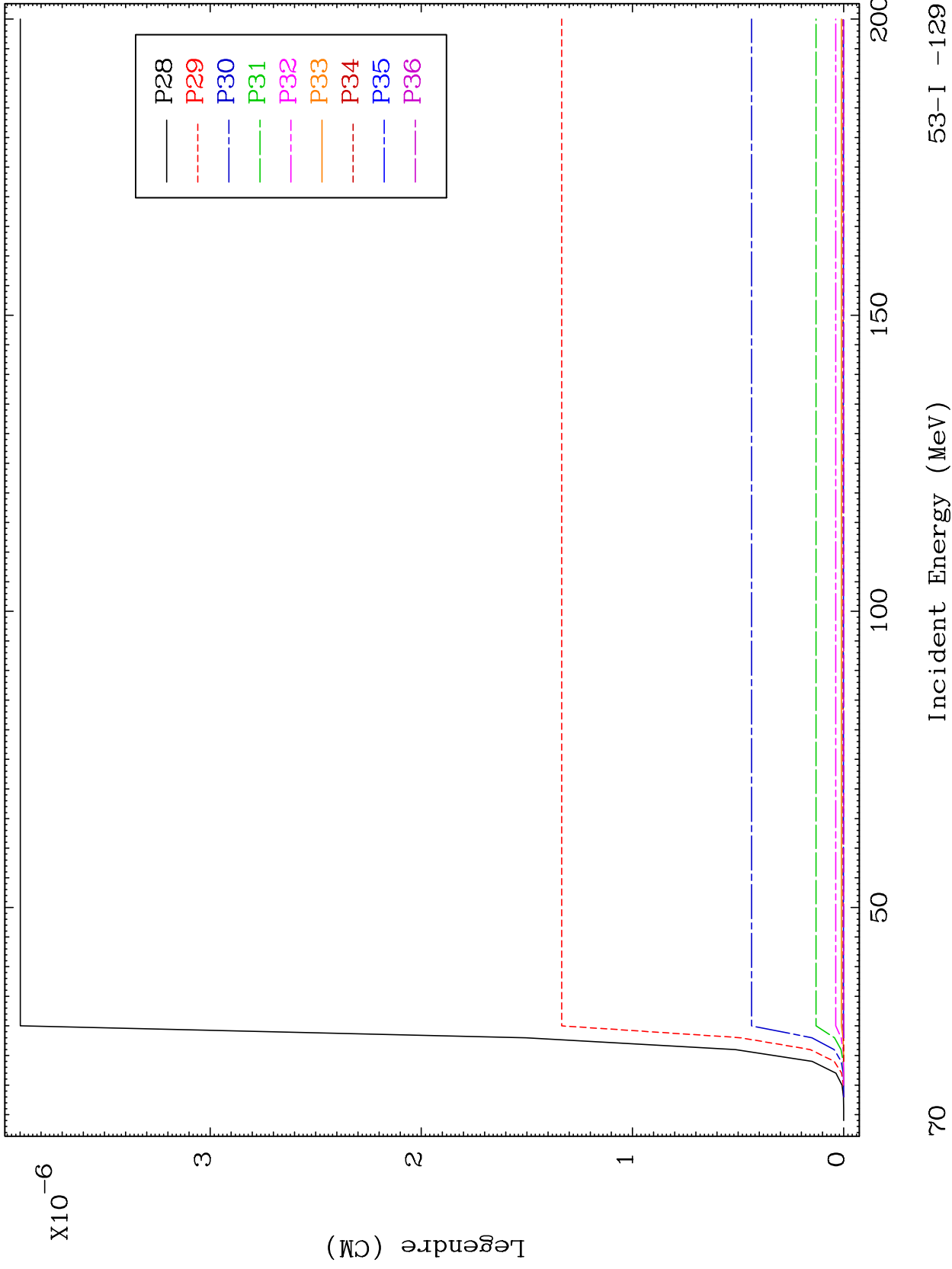
53-I -129



MAT 5331

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

53-I -129

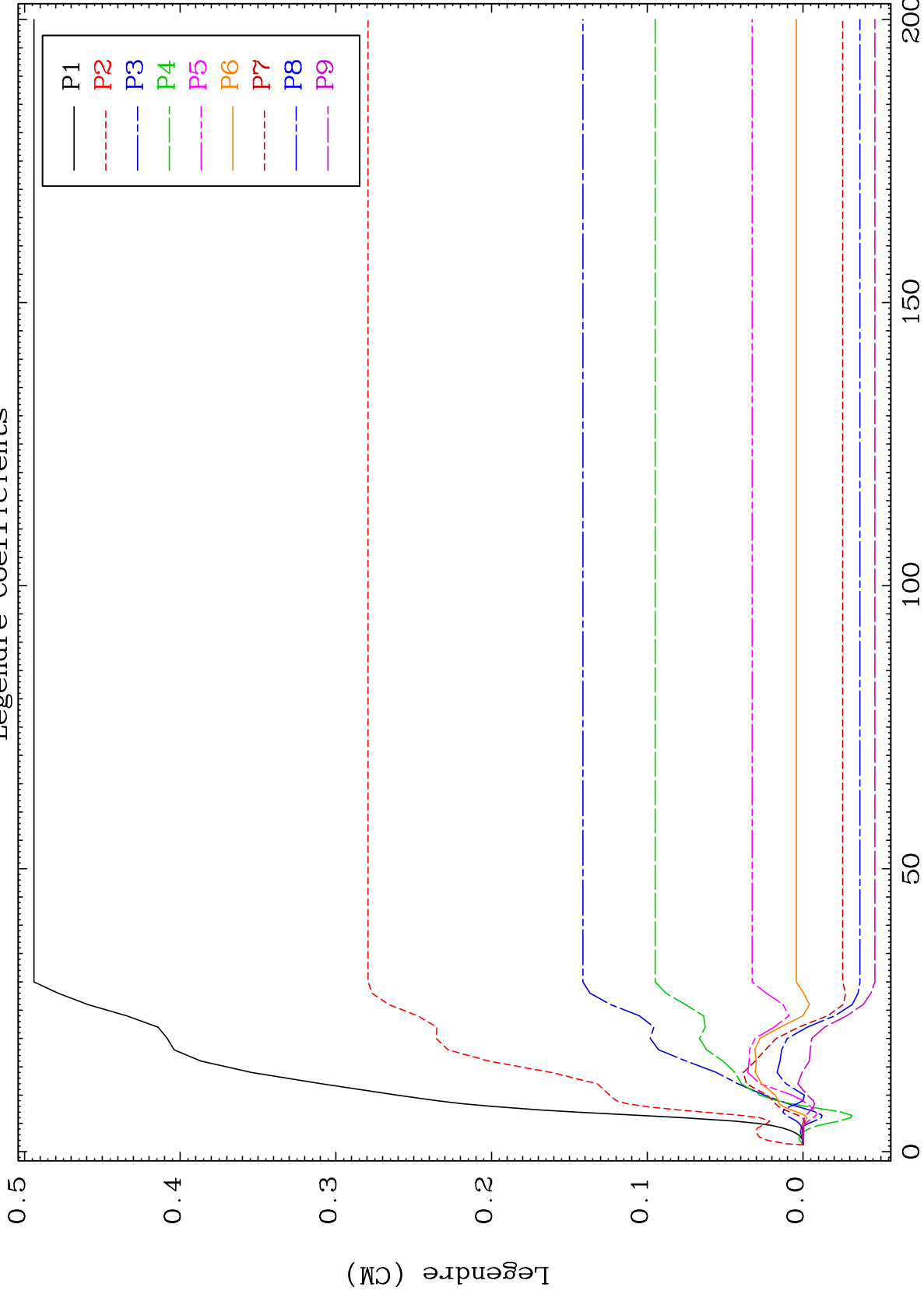


MAT 5331

MT= 64 (n,n') Level

53-I -129

Legendre Coefficients



71

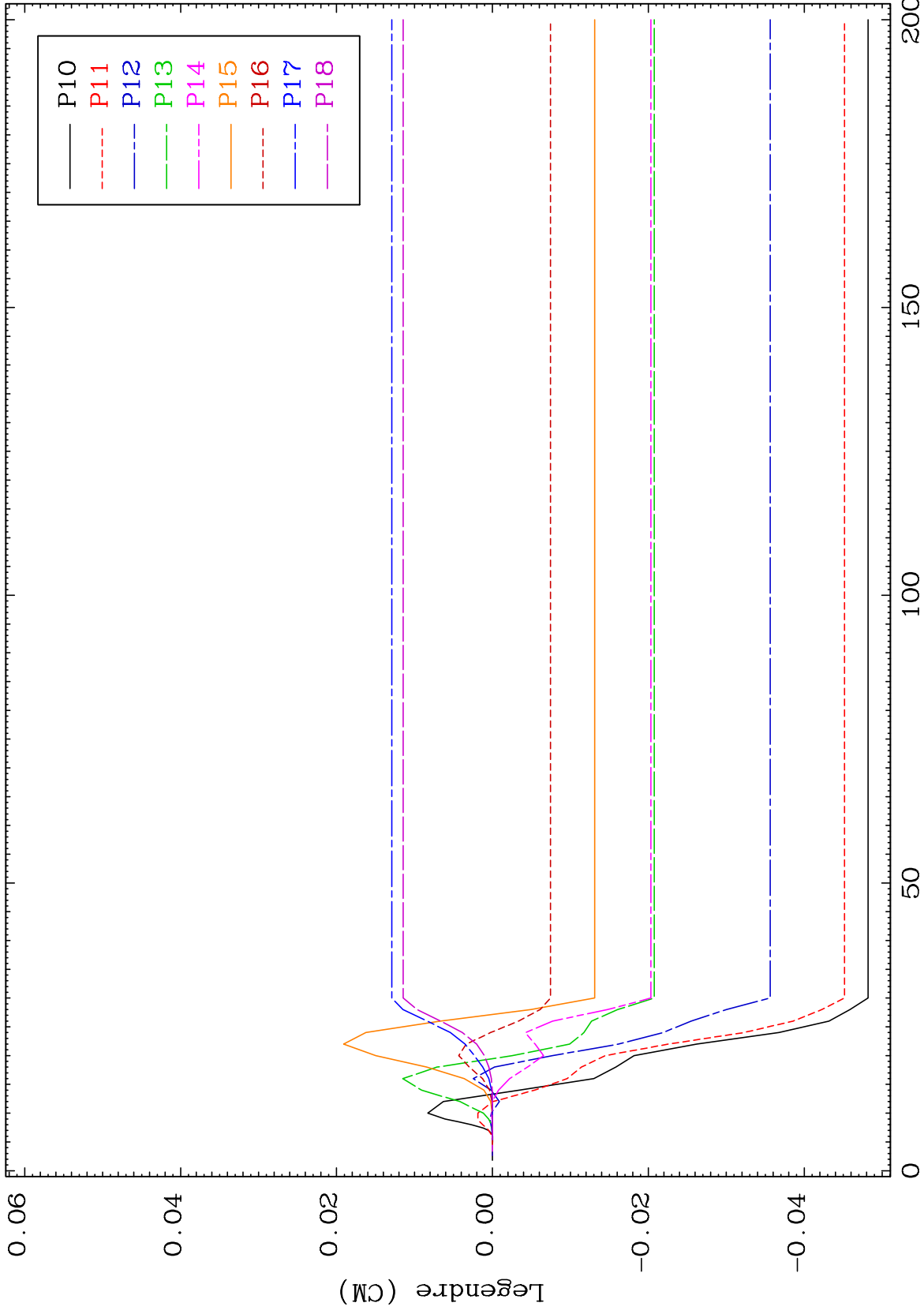
Incident Energy (MeV)

53-I -129

MAT 5331

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

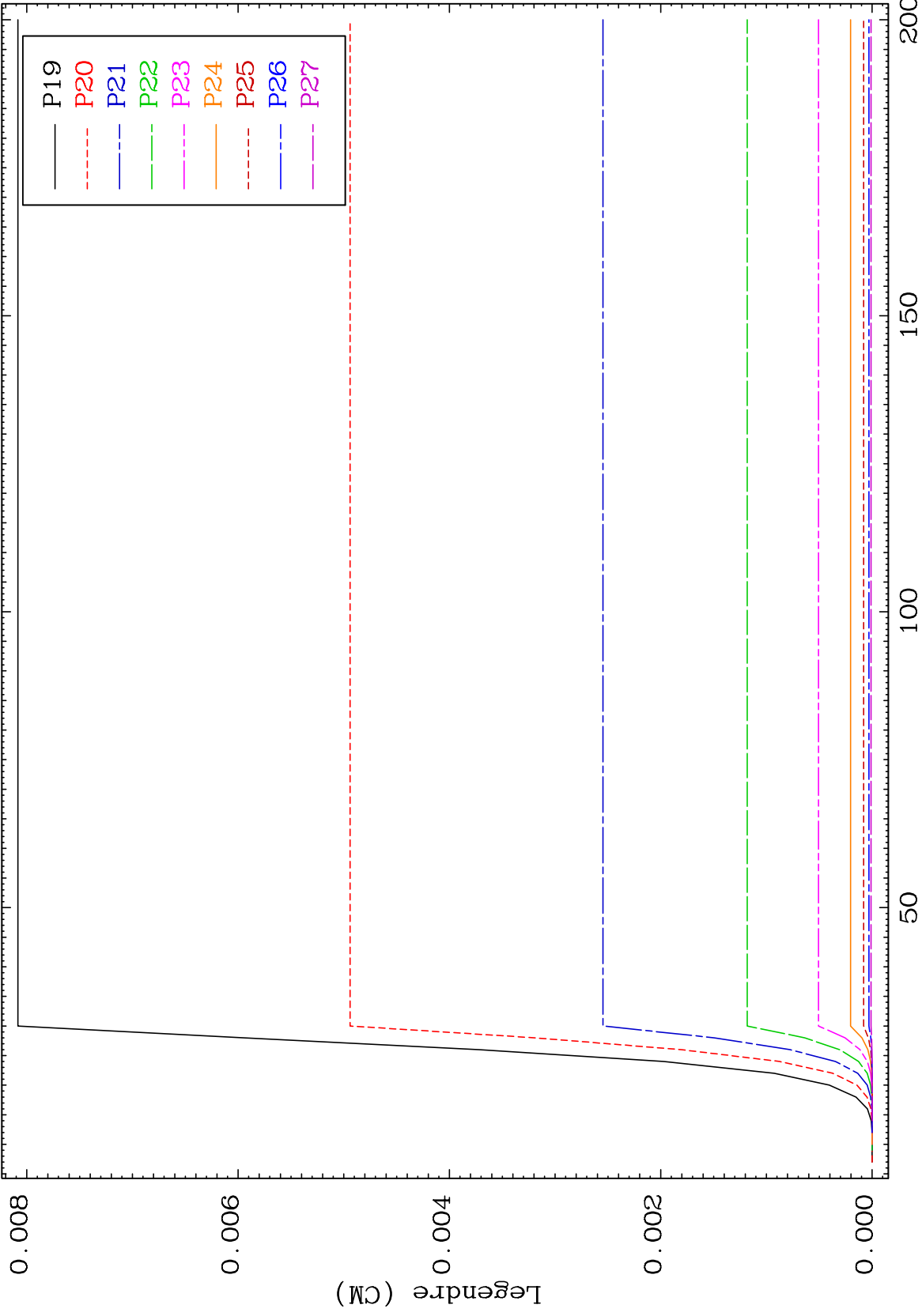
53-I -129

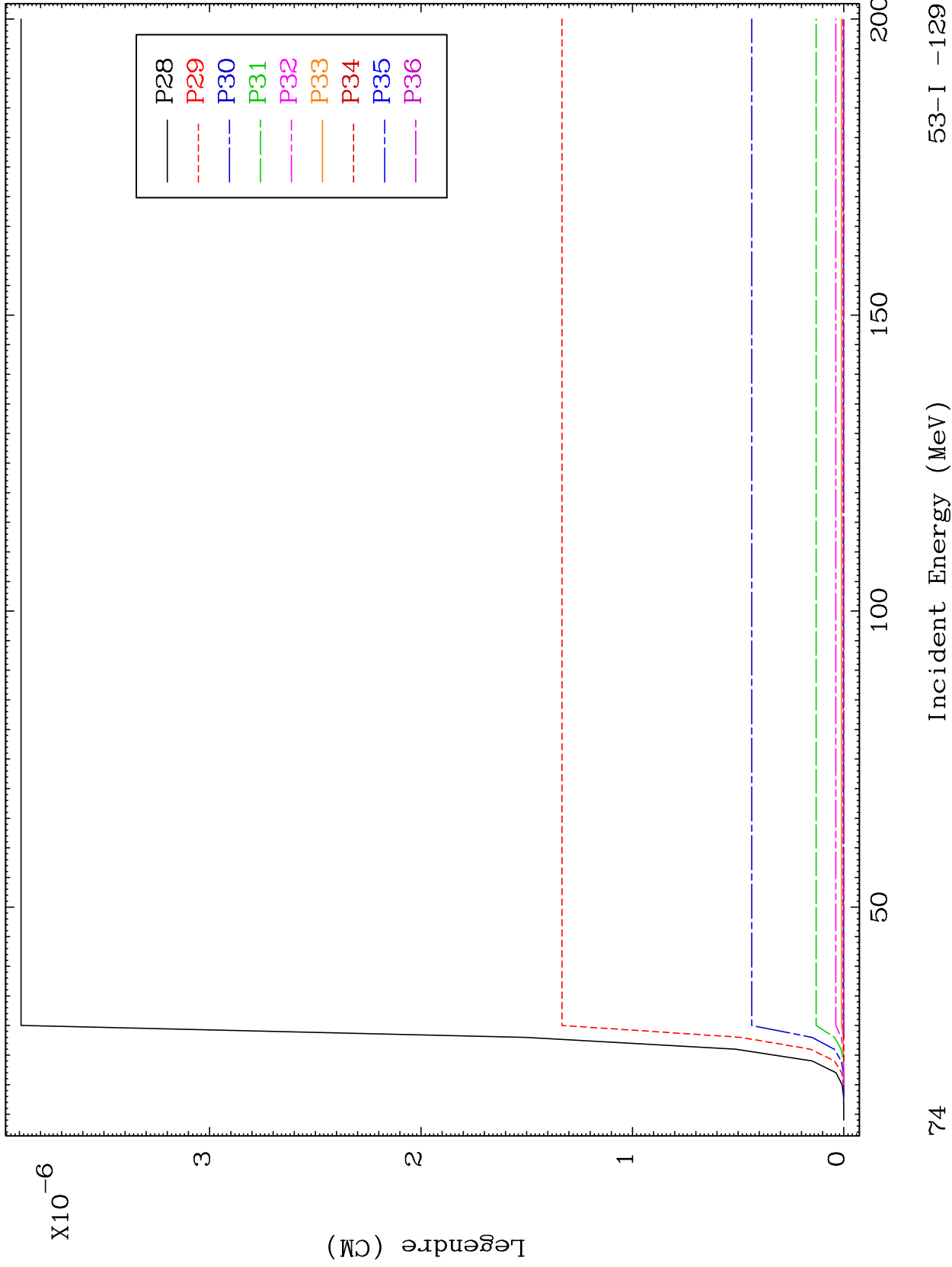


72

Incident Energy (MeV)

53-I -129

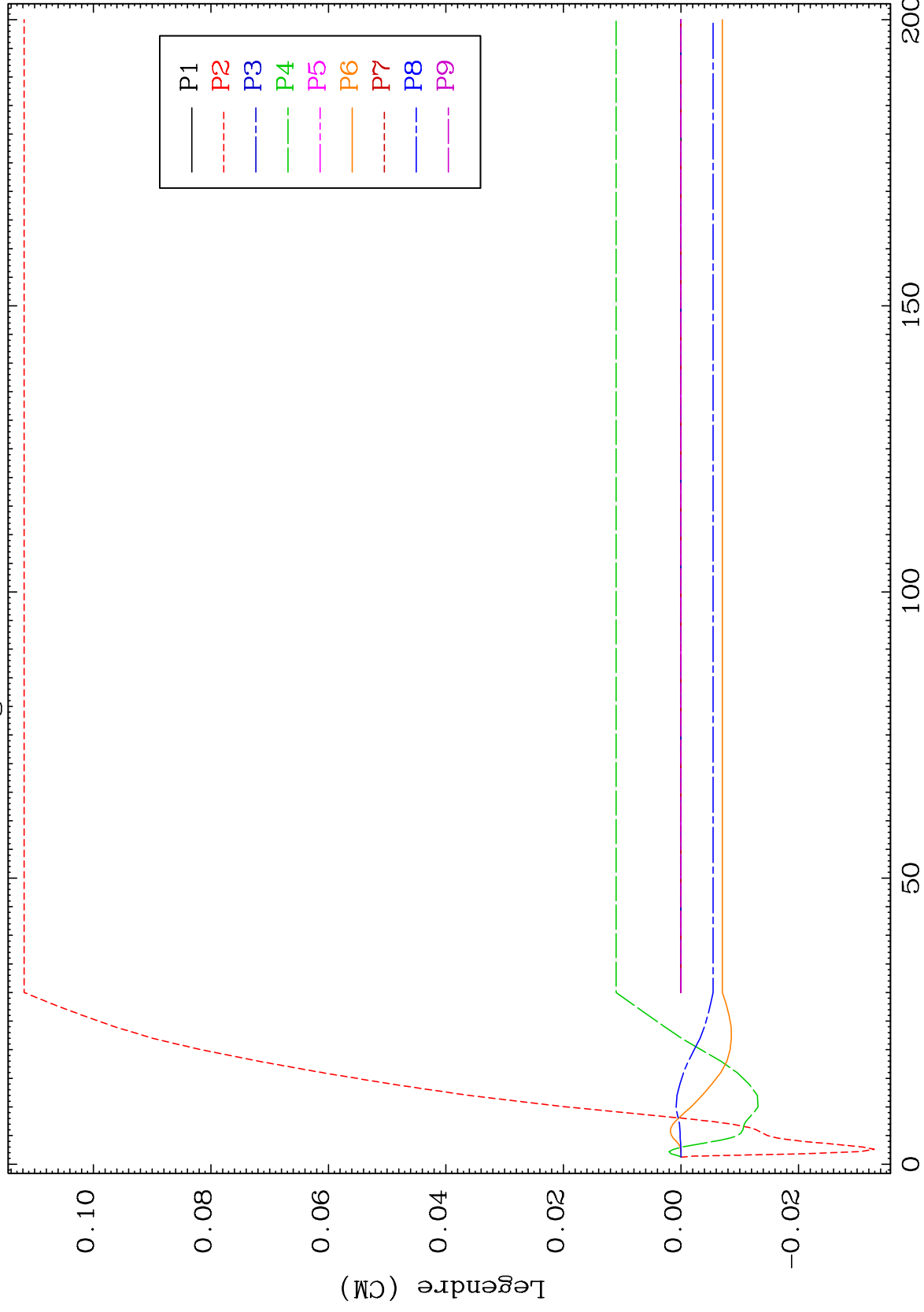




MAT 5331

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

53-I -129



75

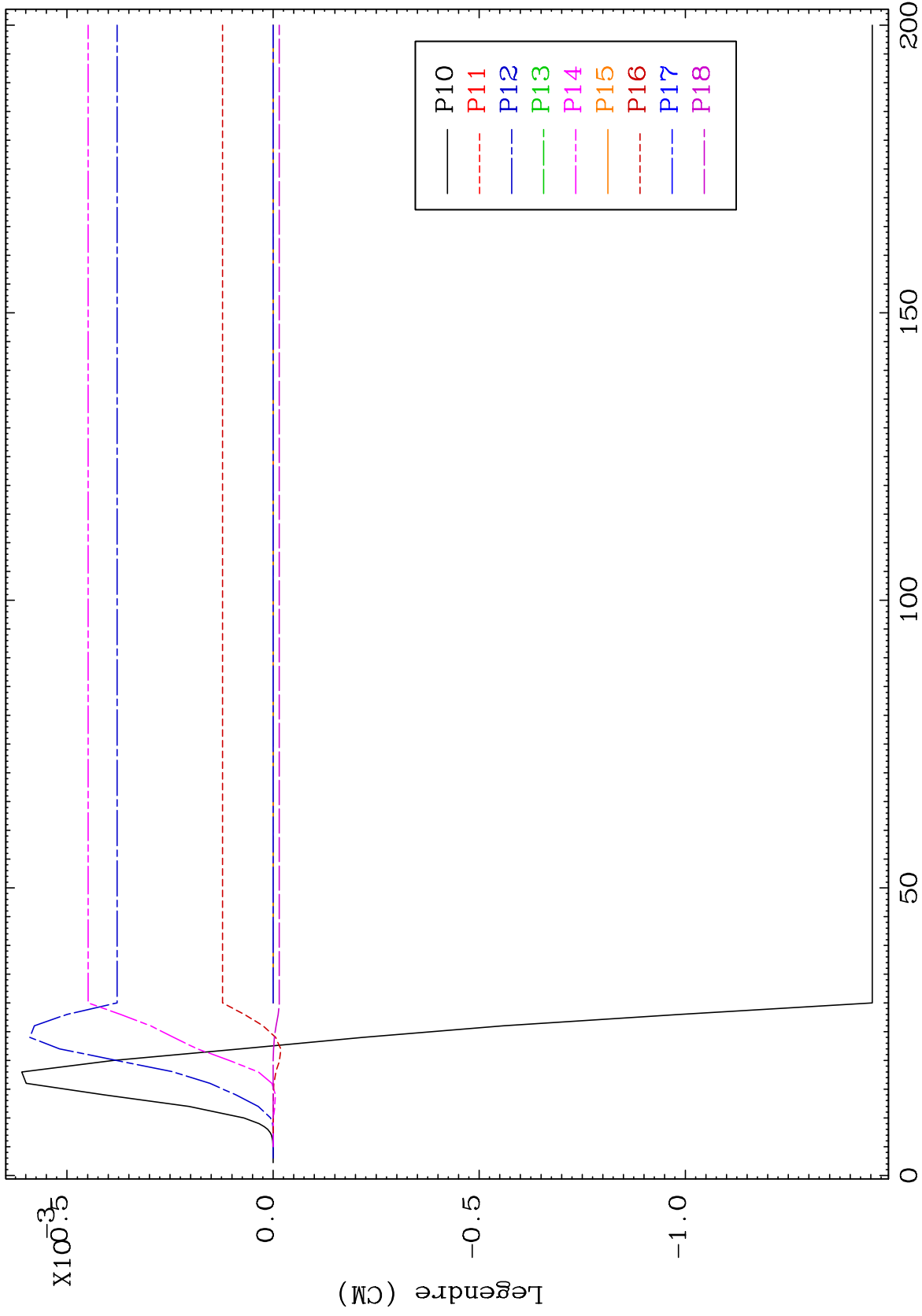
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



76

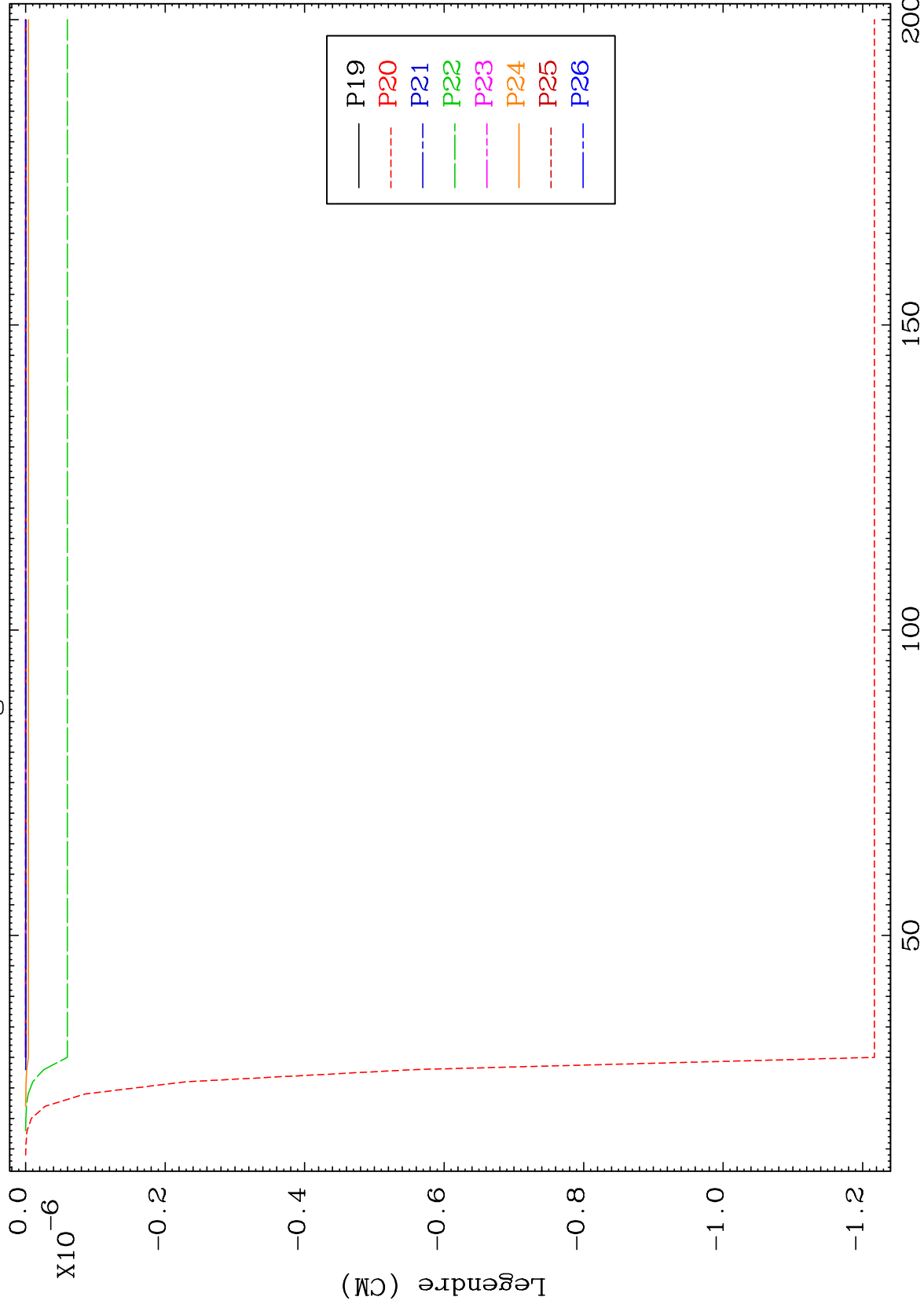
Incident Energy (MeV)

53-I -129

MAT 5331

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

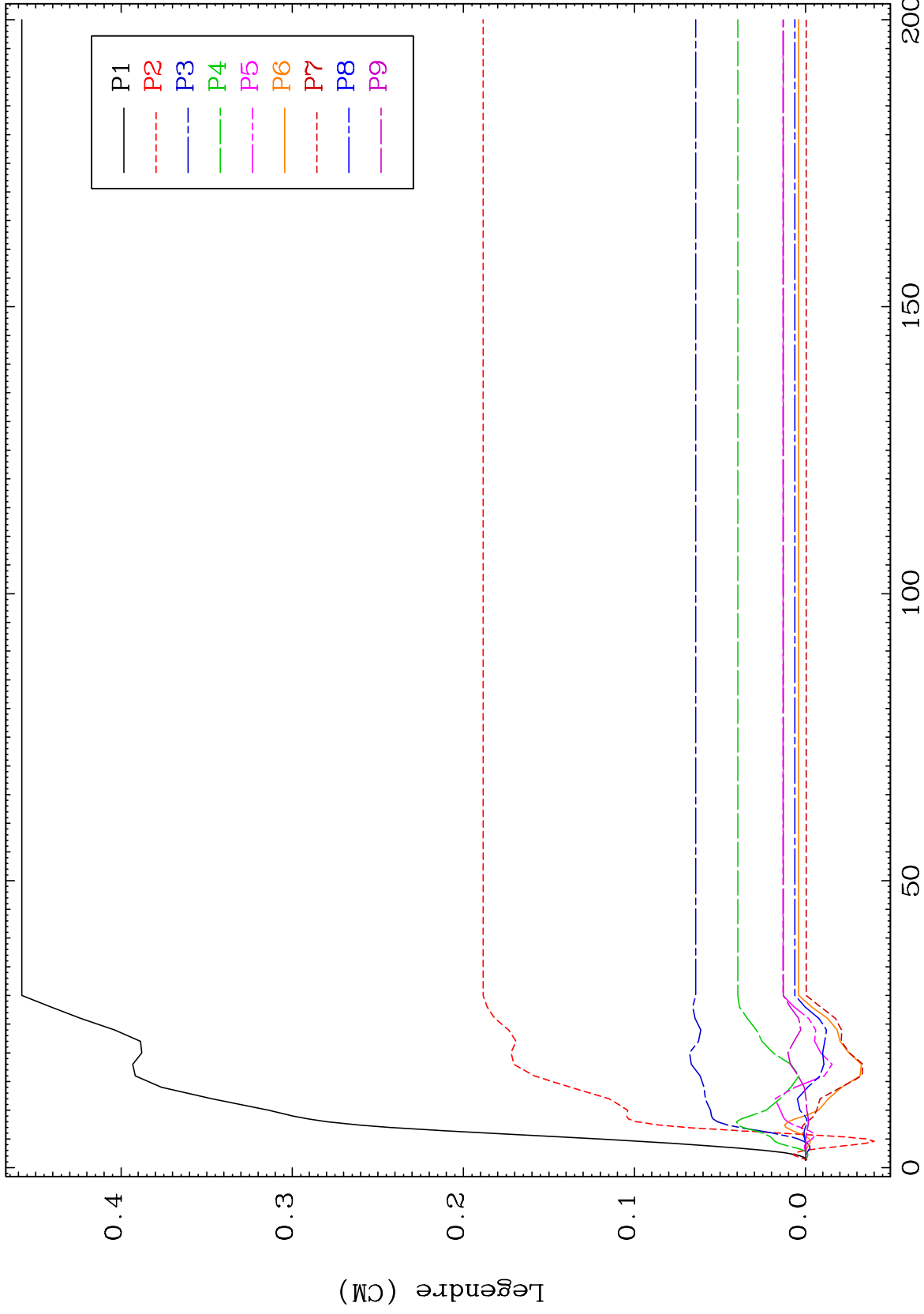
53-I -129

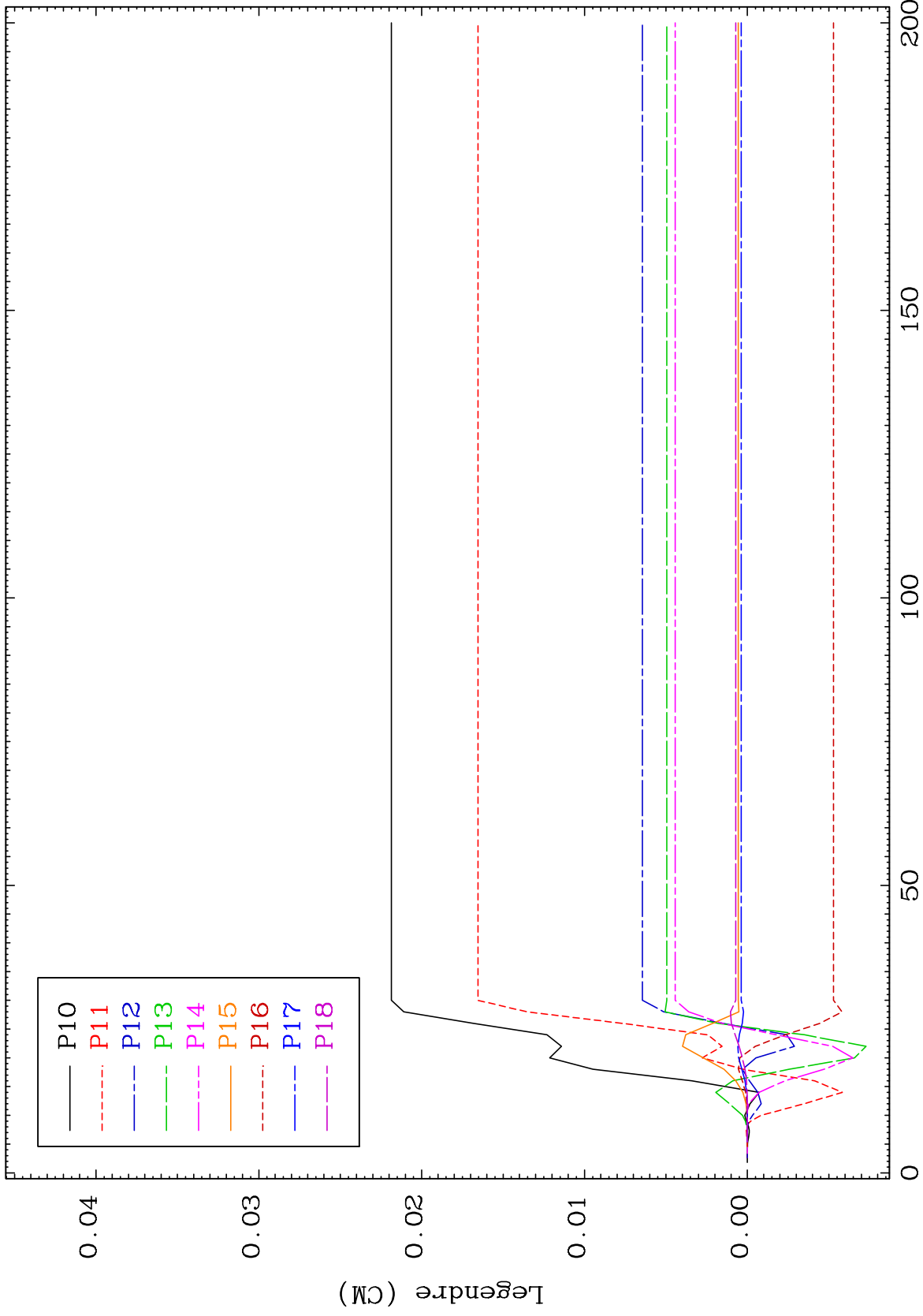


77

Incident Energy (MeV)

53-I -129

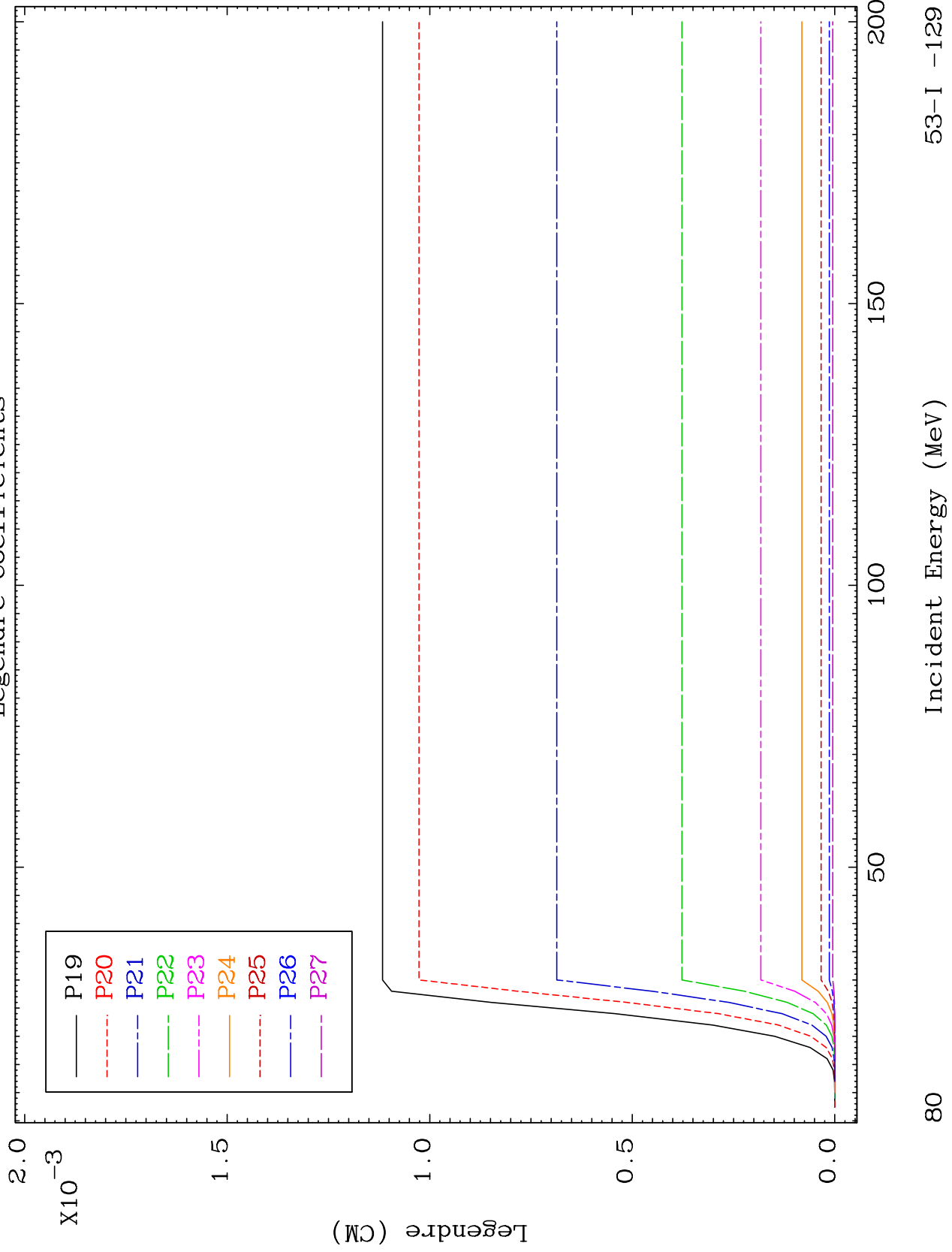


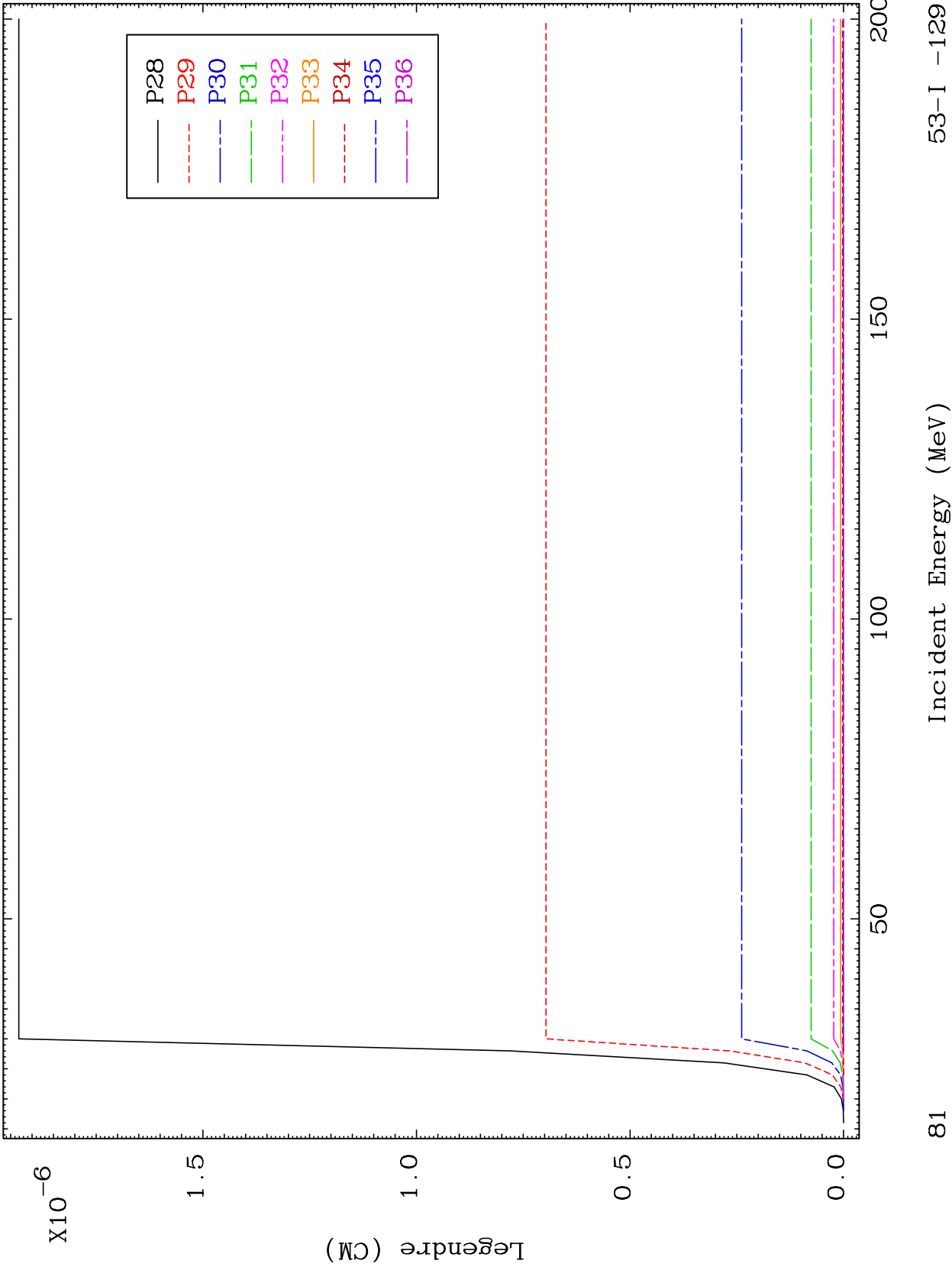


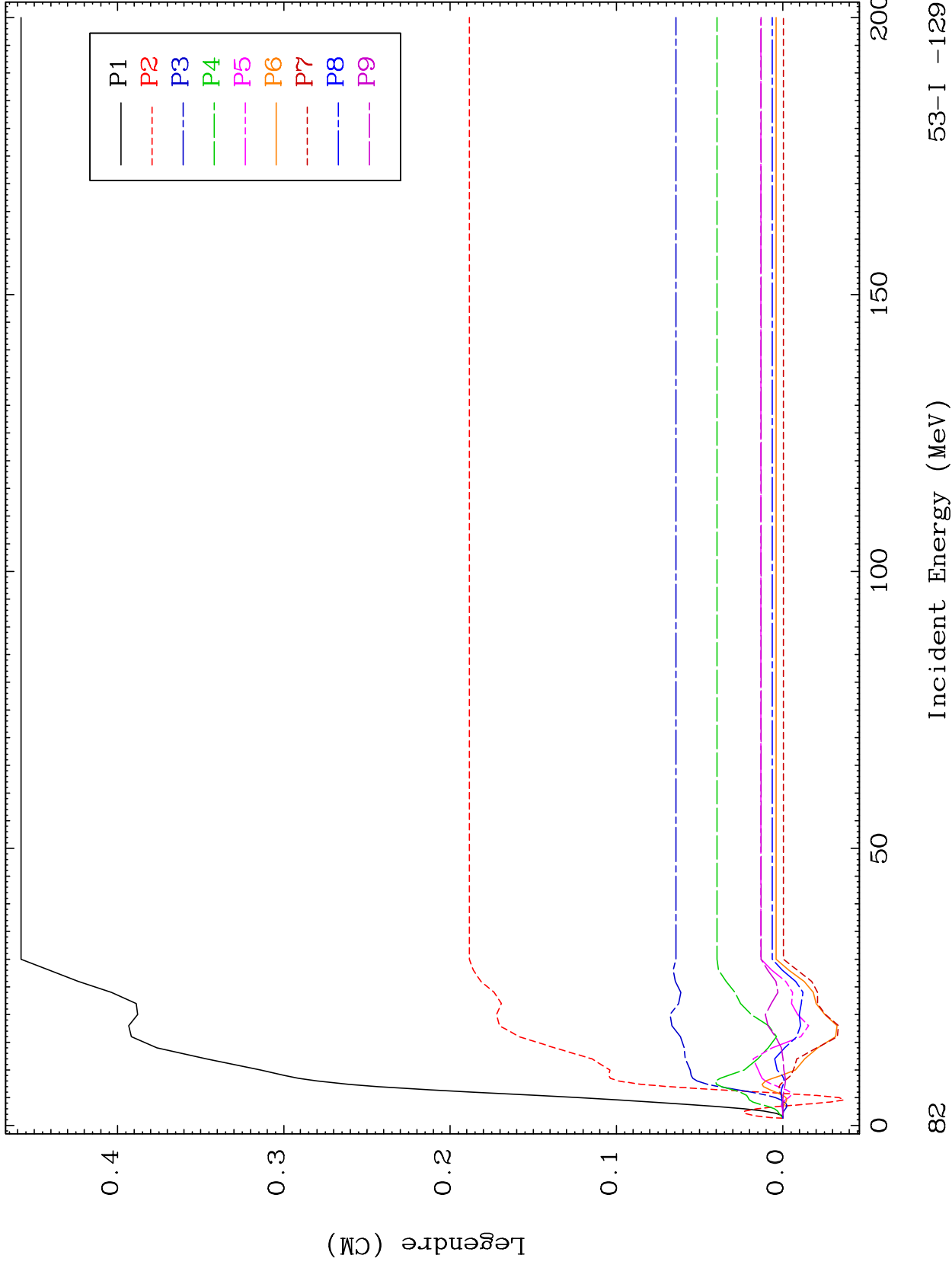
MAT 5331

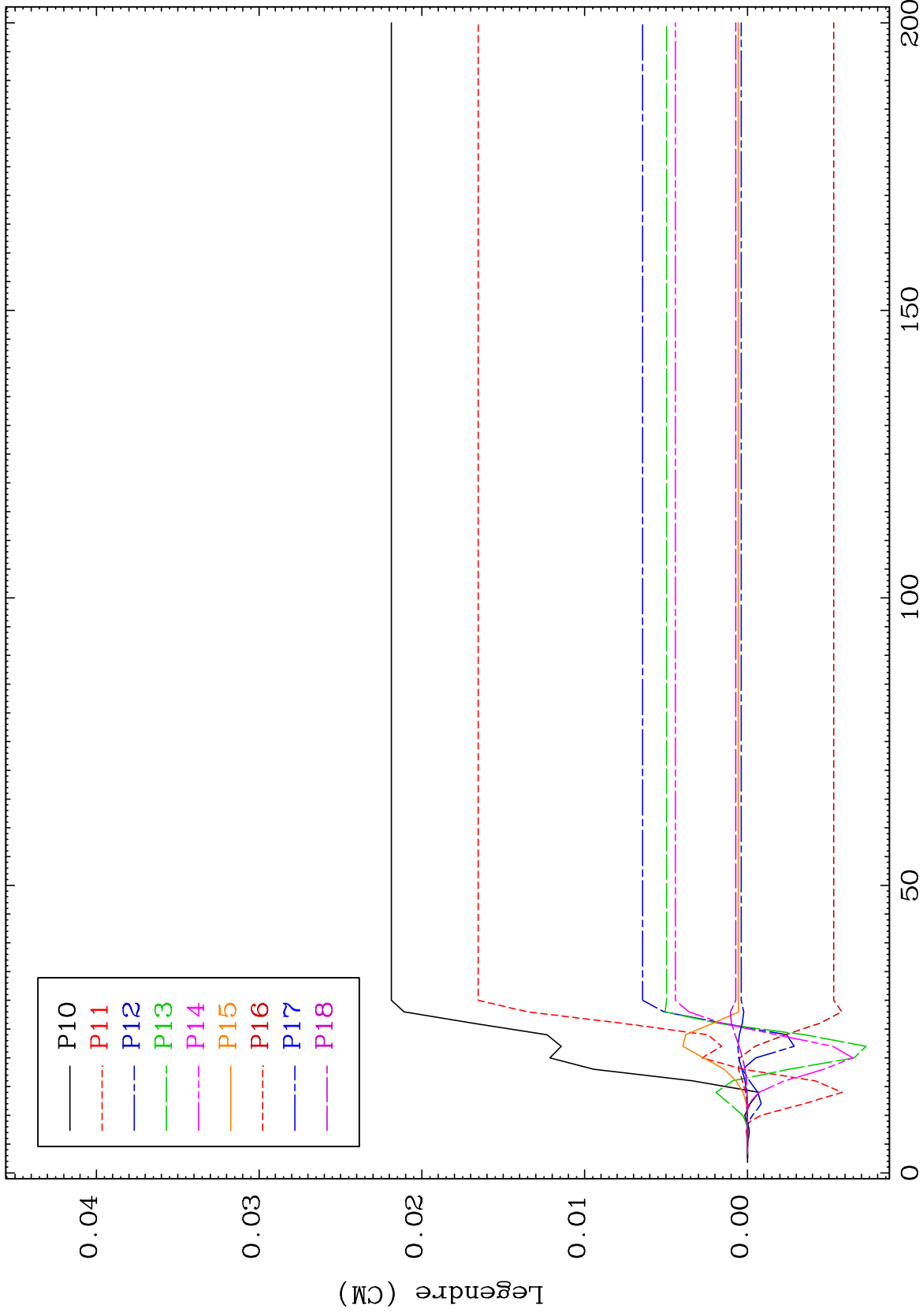
MT= 66 (n,n') Level
Legendre Coefficients

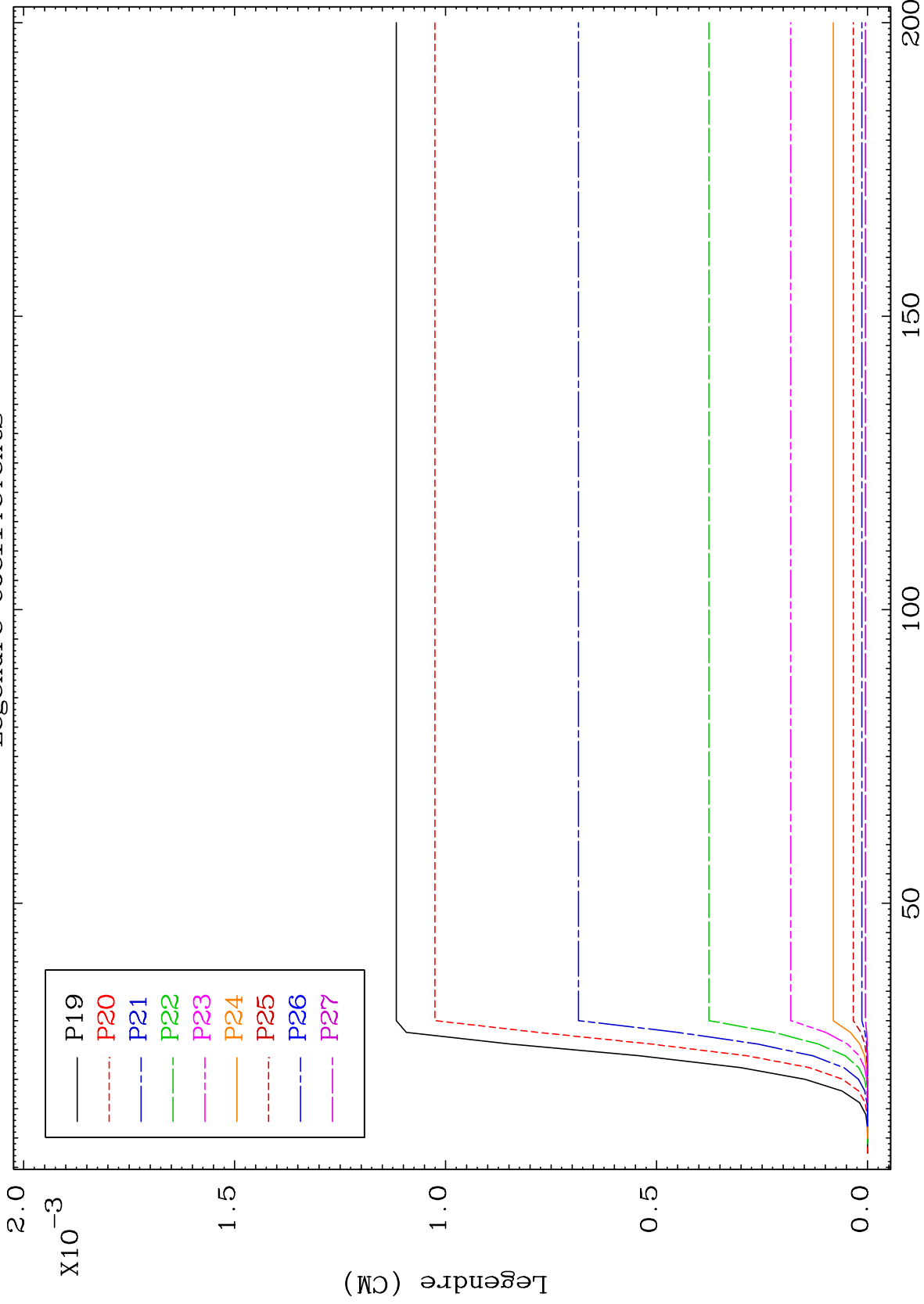
53-I -129

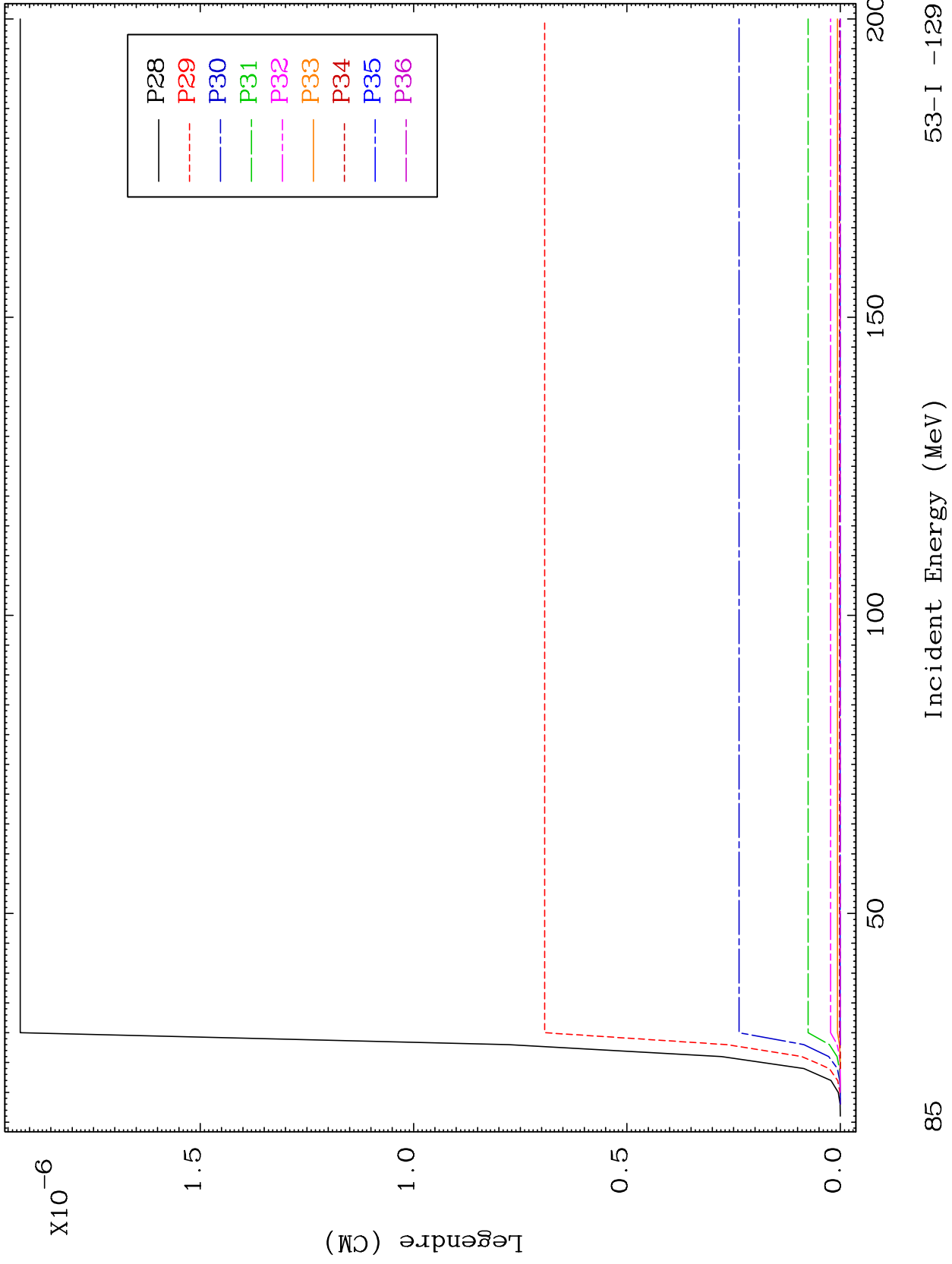


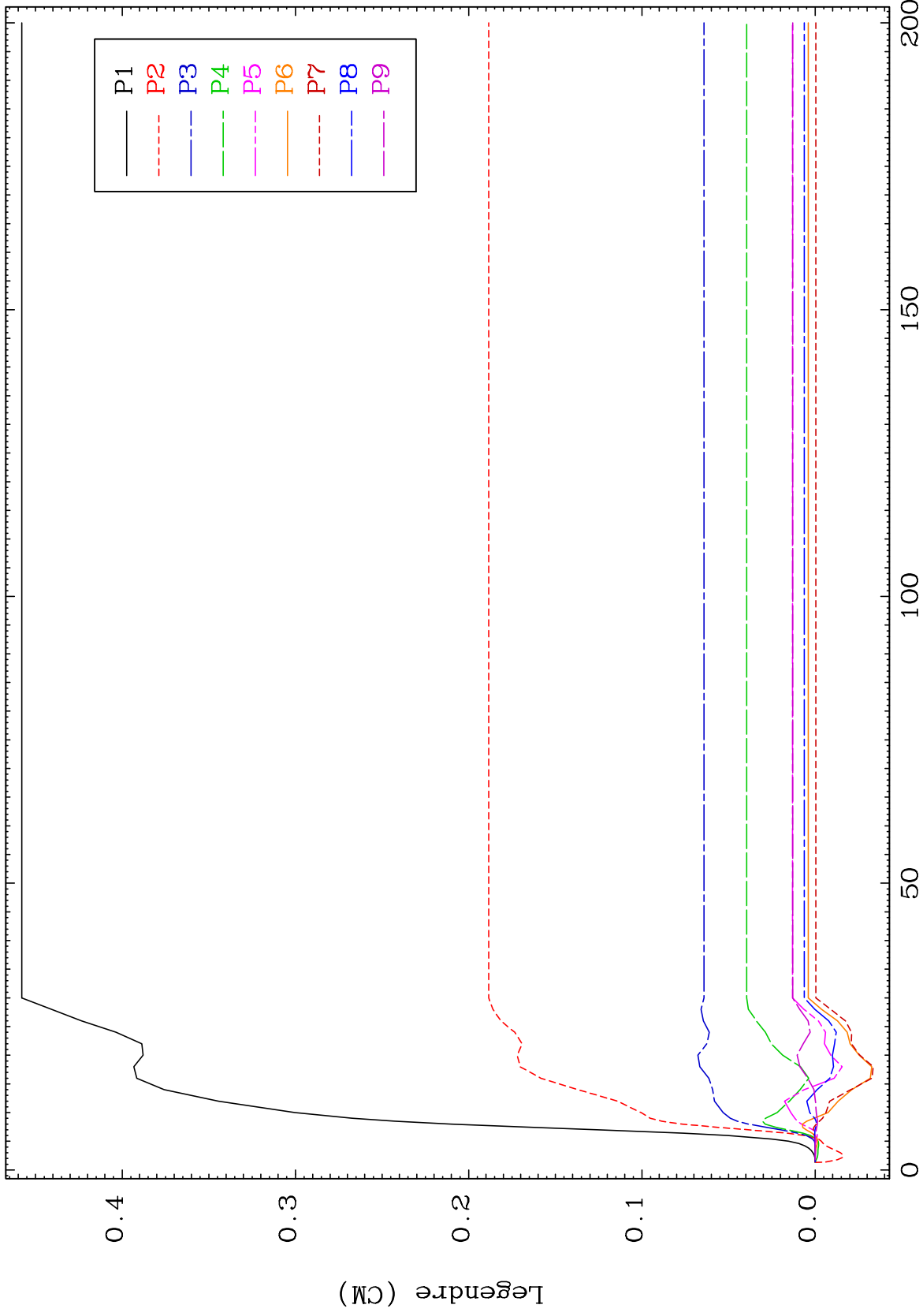


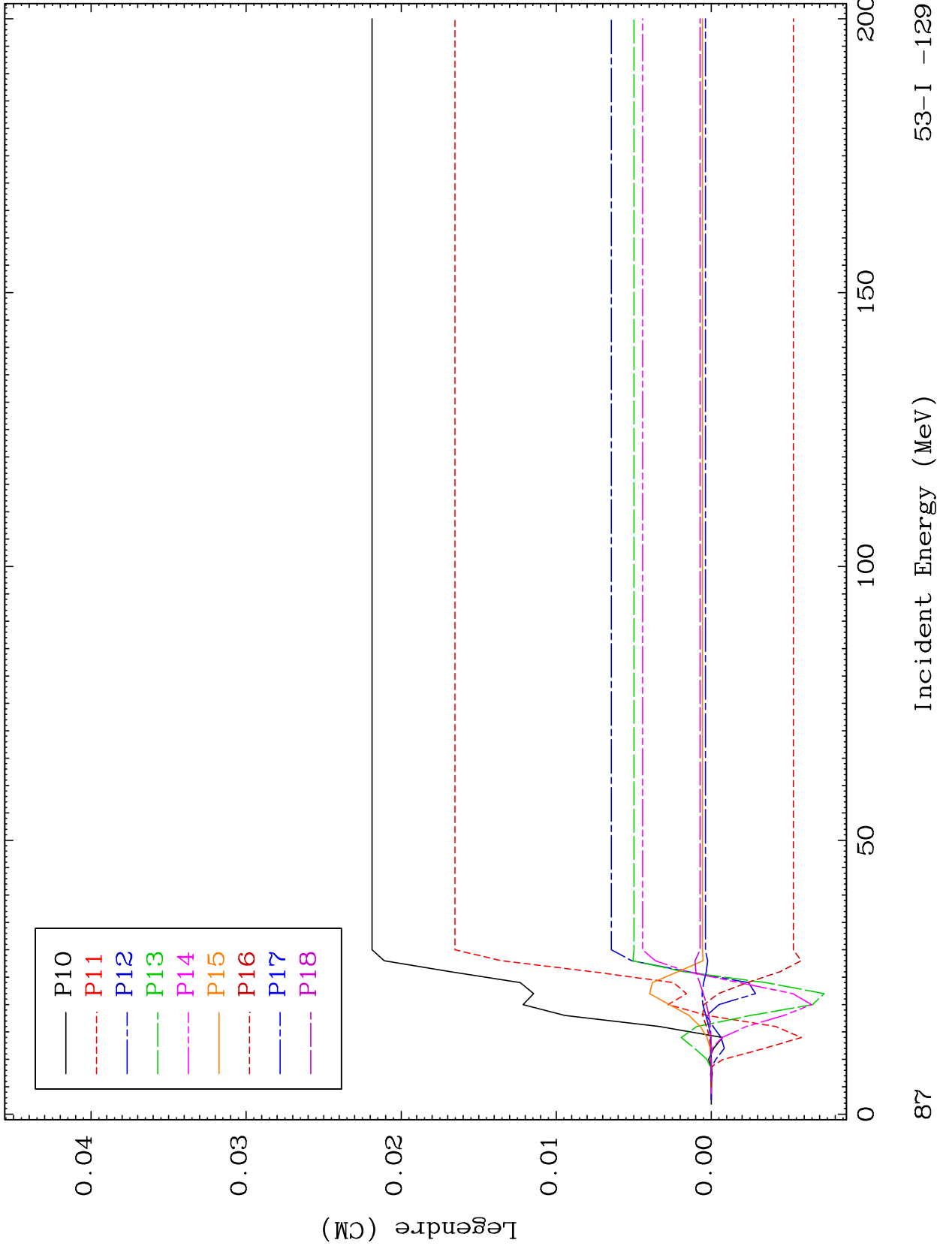


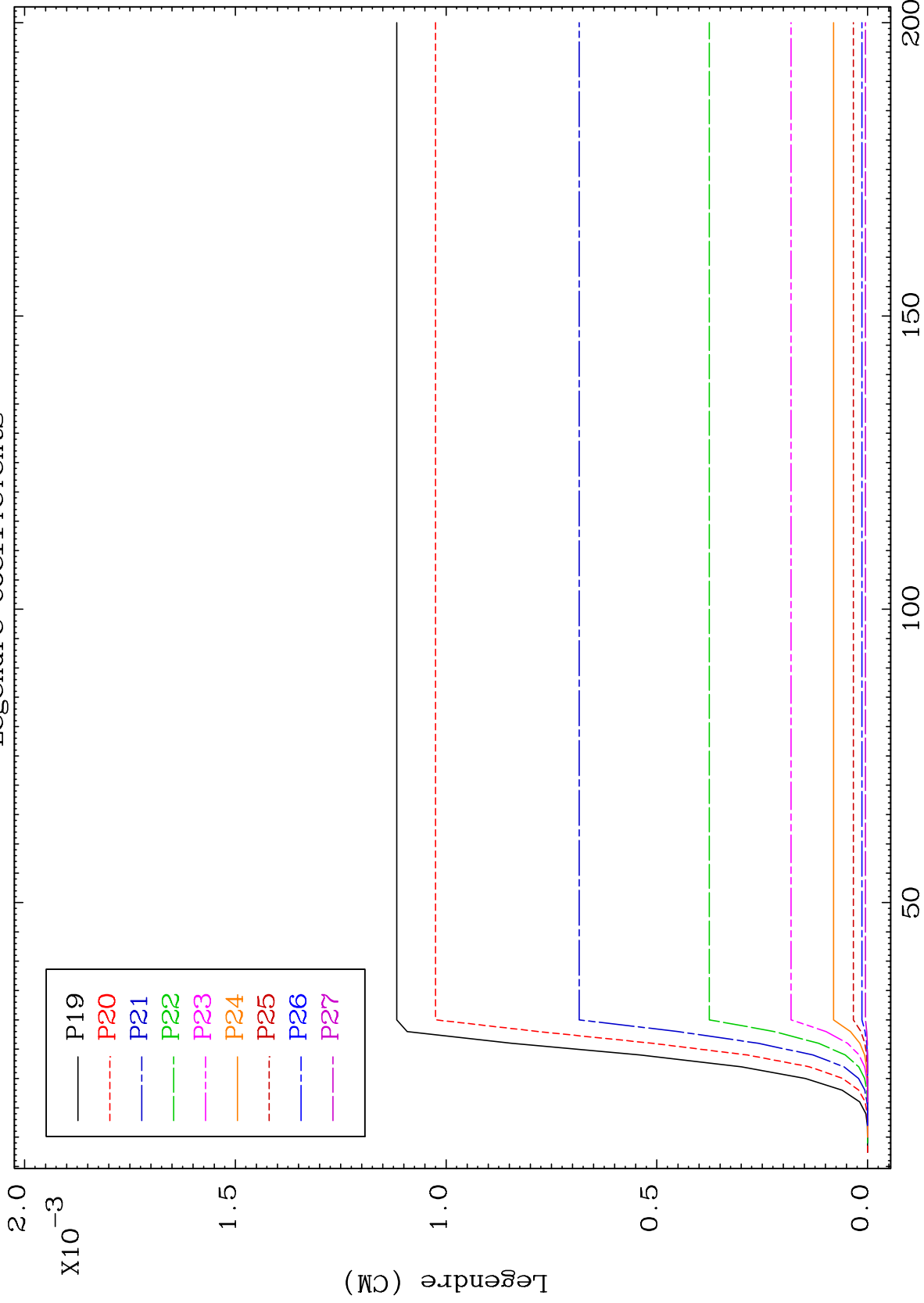


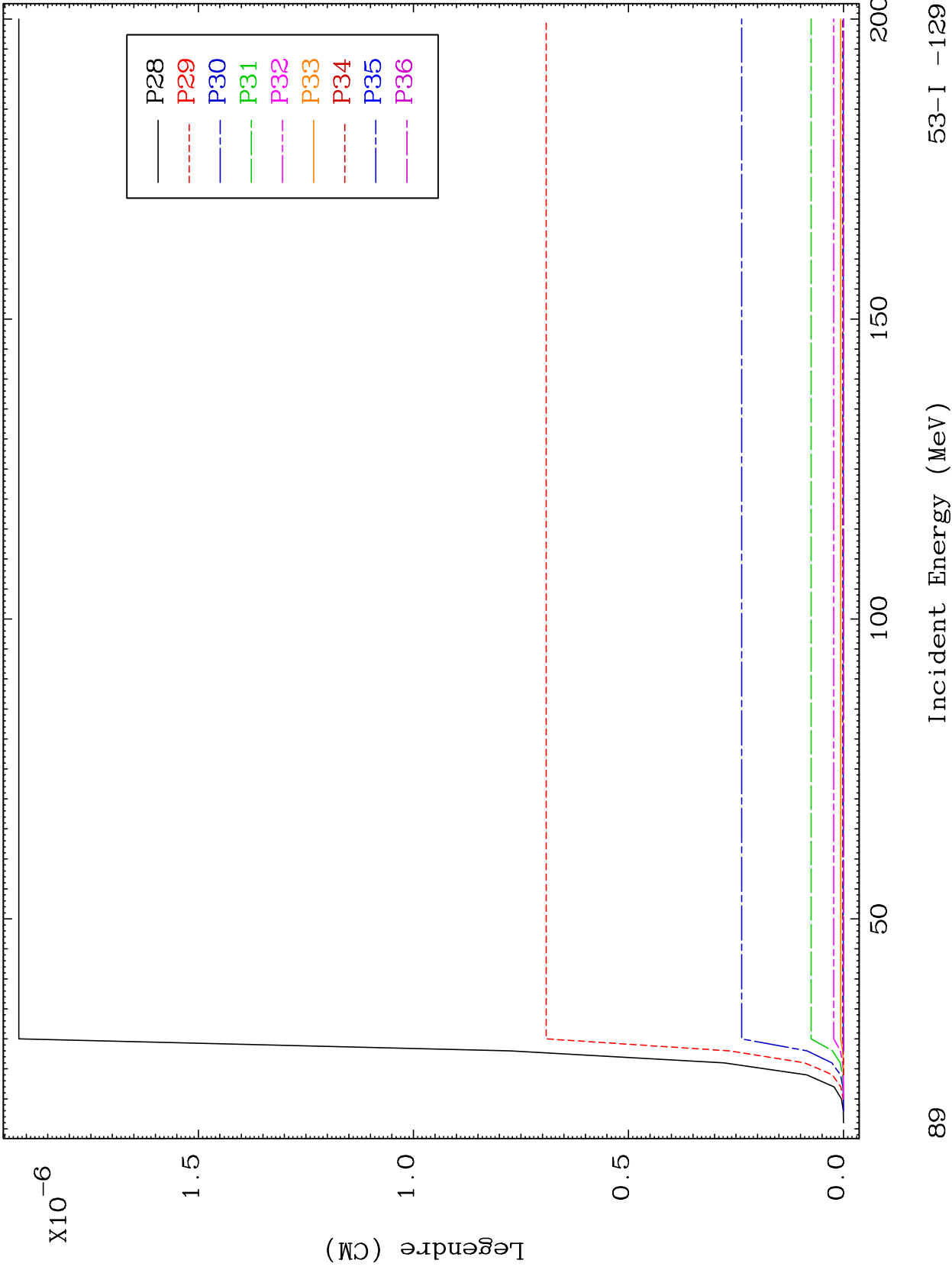








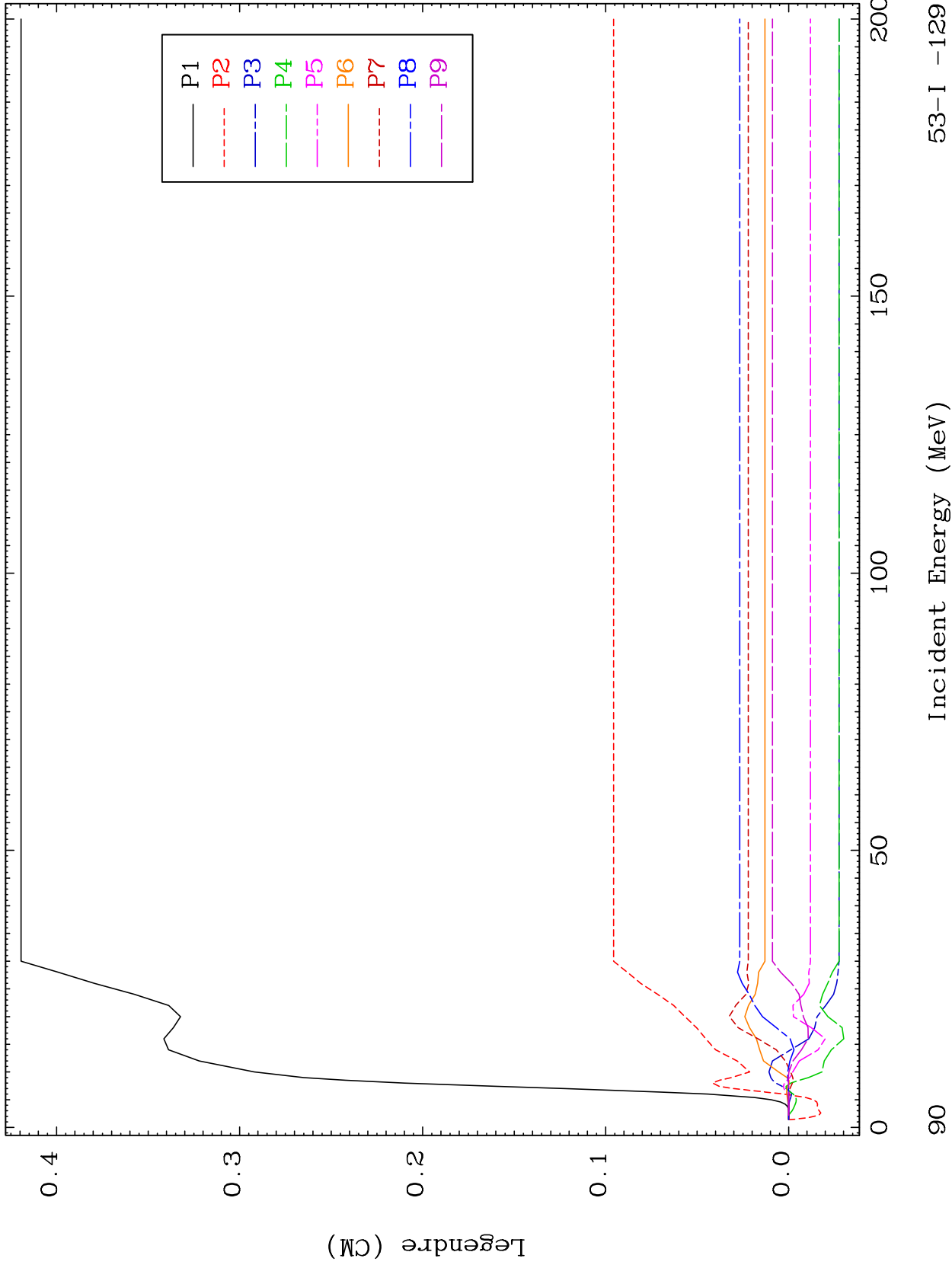




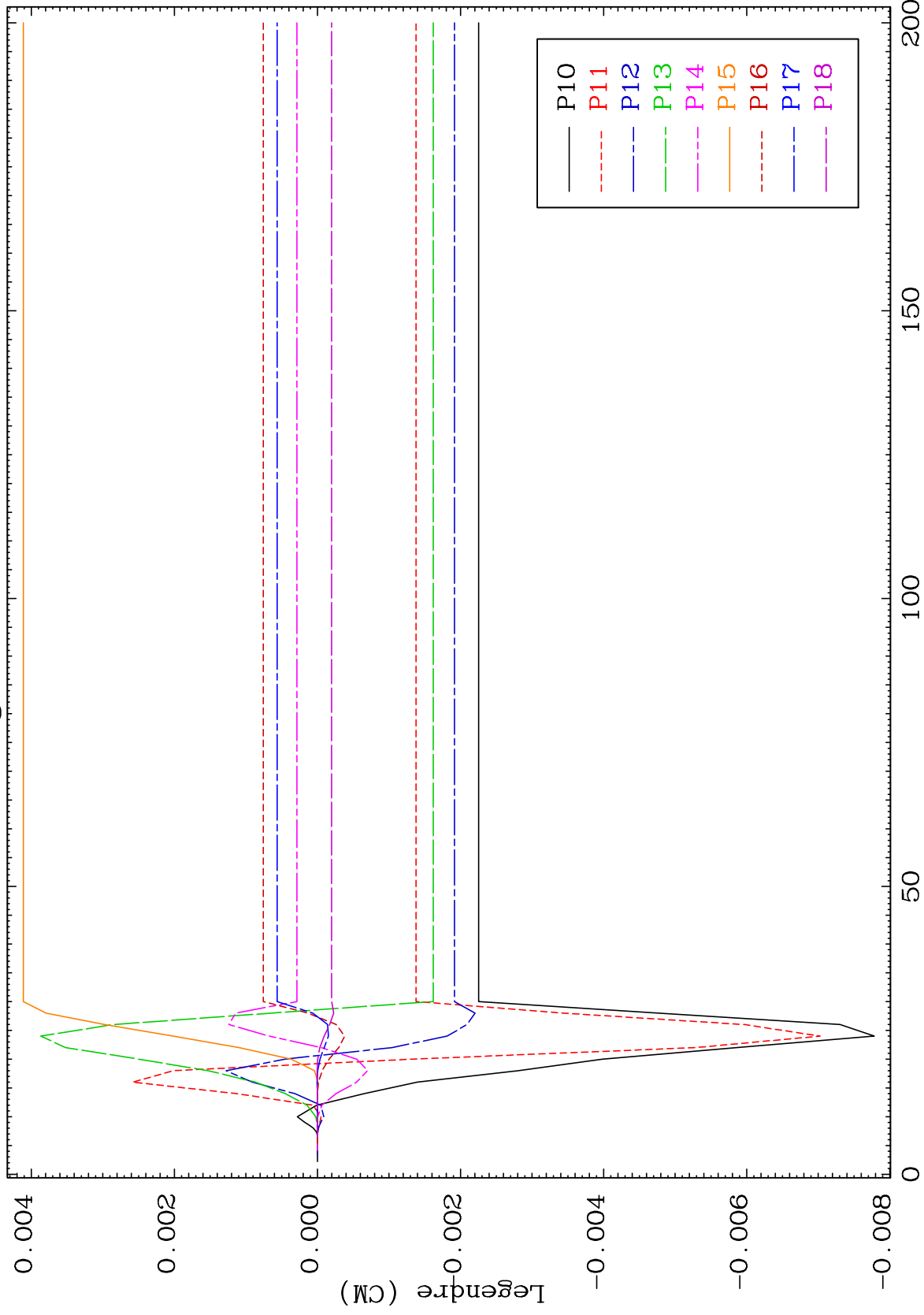
MAT 5331

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

53-I -129



53-I -129

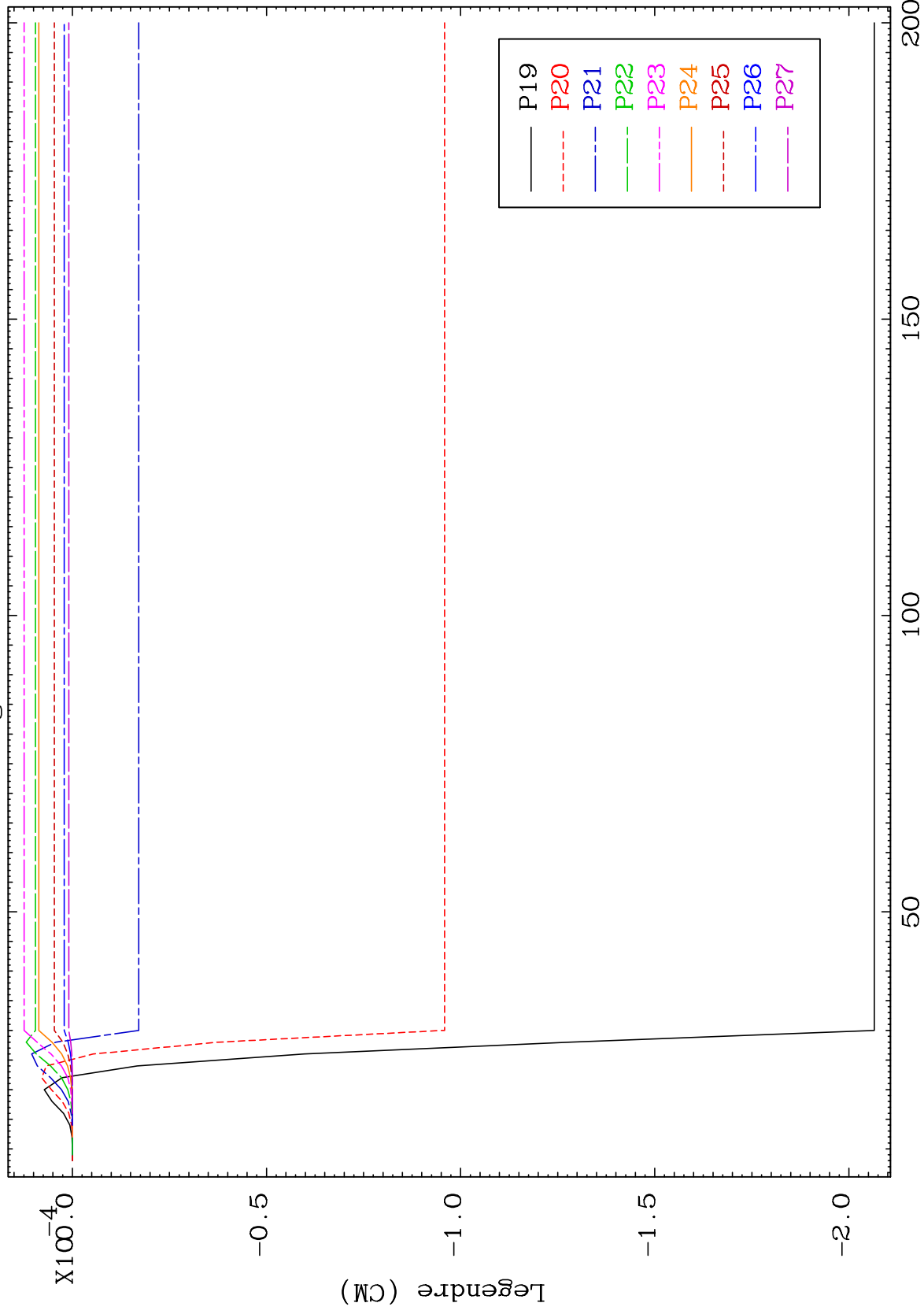


MAT 5331

MT= 69 (n,n') Level

53-I -129

Legendre Coefficients



92

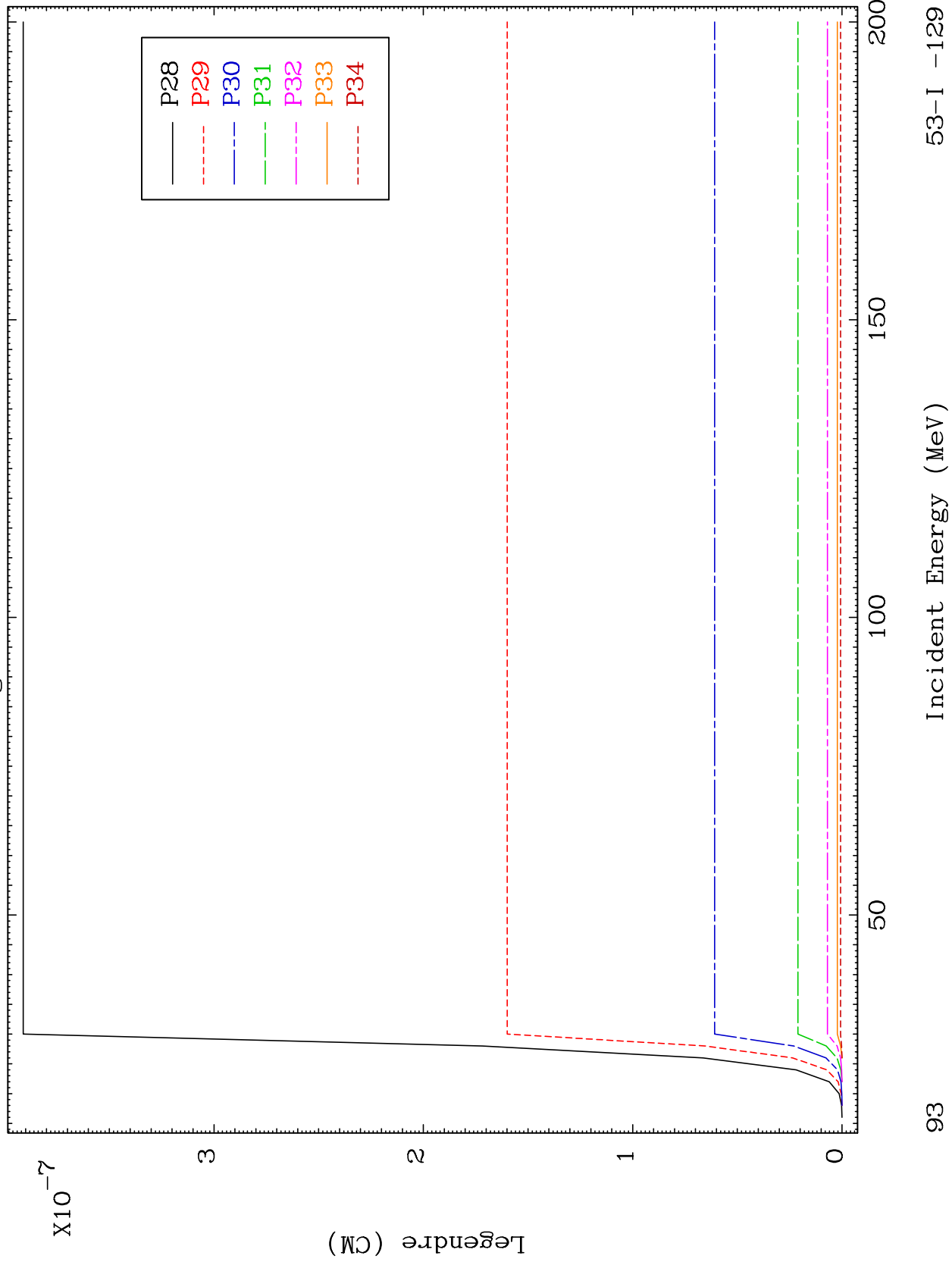
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129

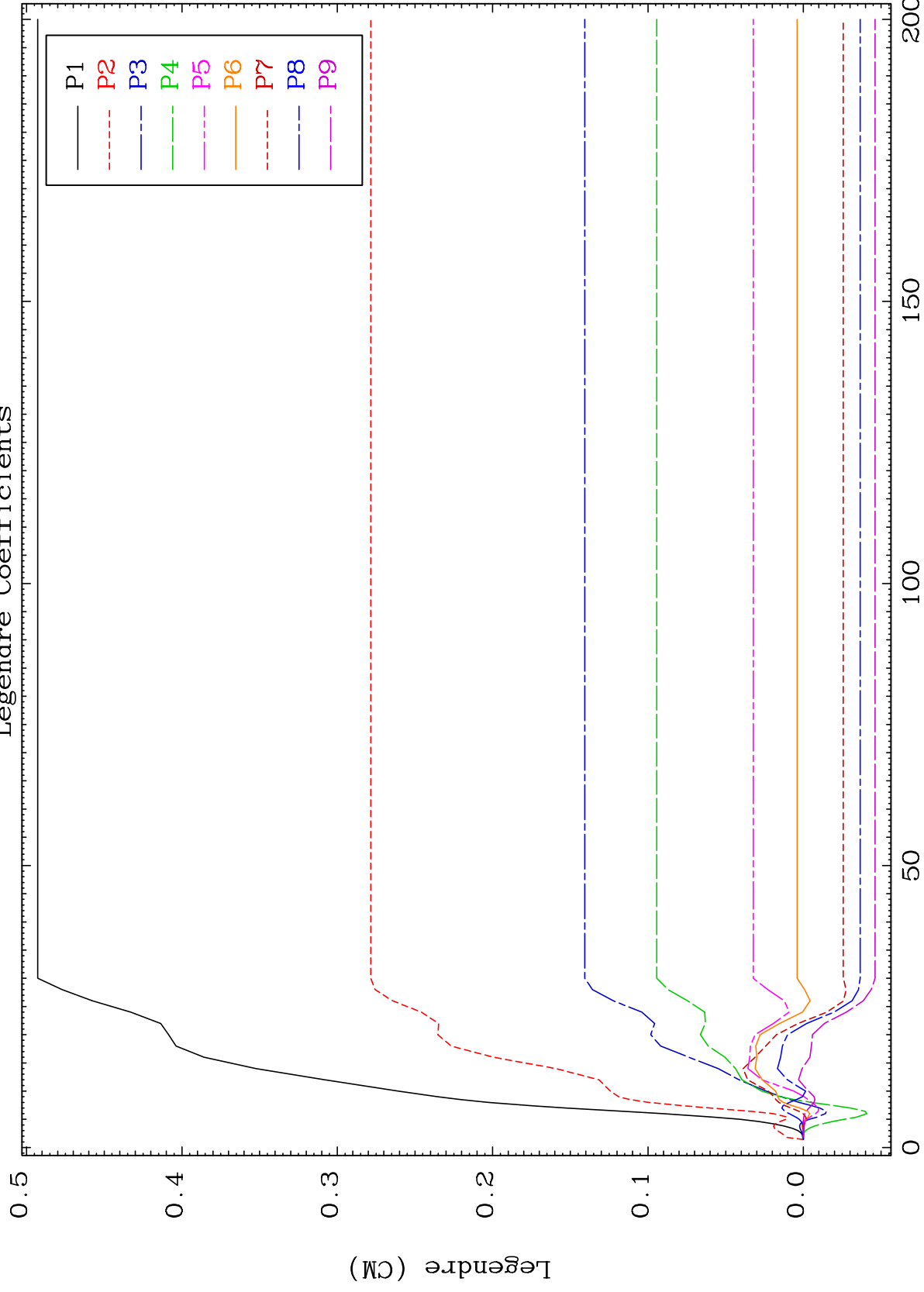


MAT 5331

MT= 70 (n,n') Level

53-I -129

Legendre Coefficients



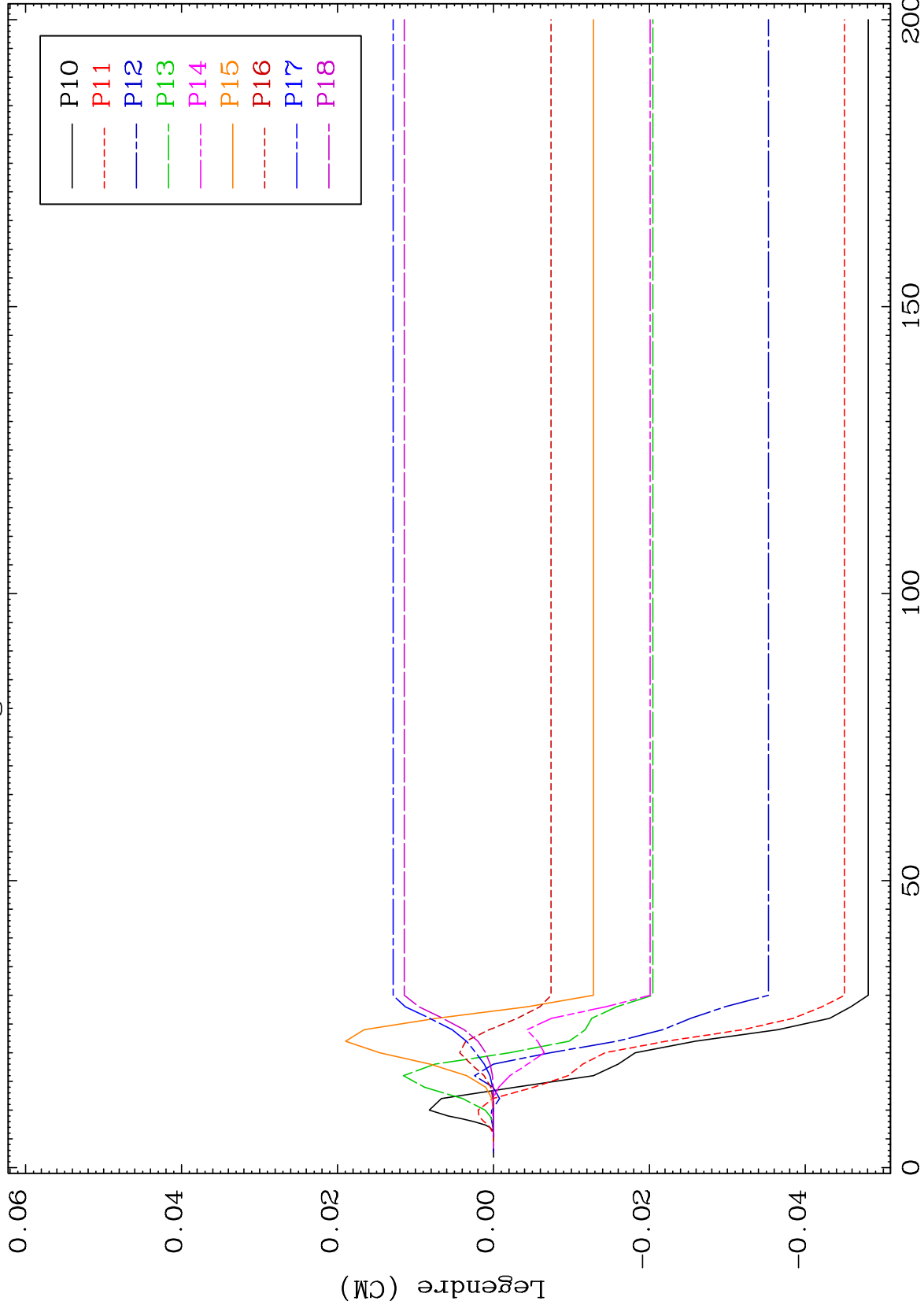
94

53-I -129

MAT 5331

MT= 70 (n,n') Level
Legendre Coefficients

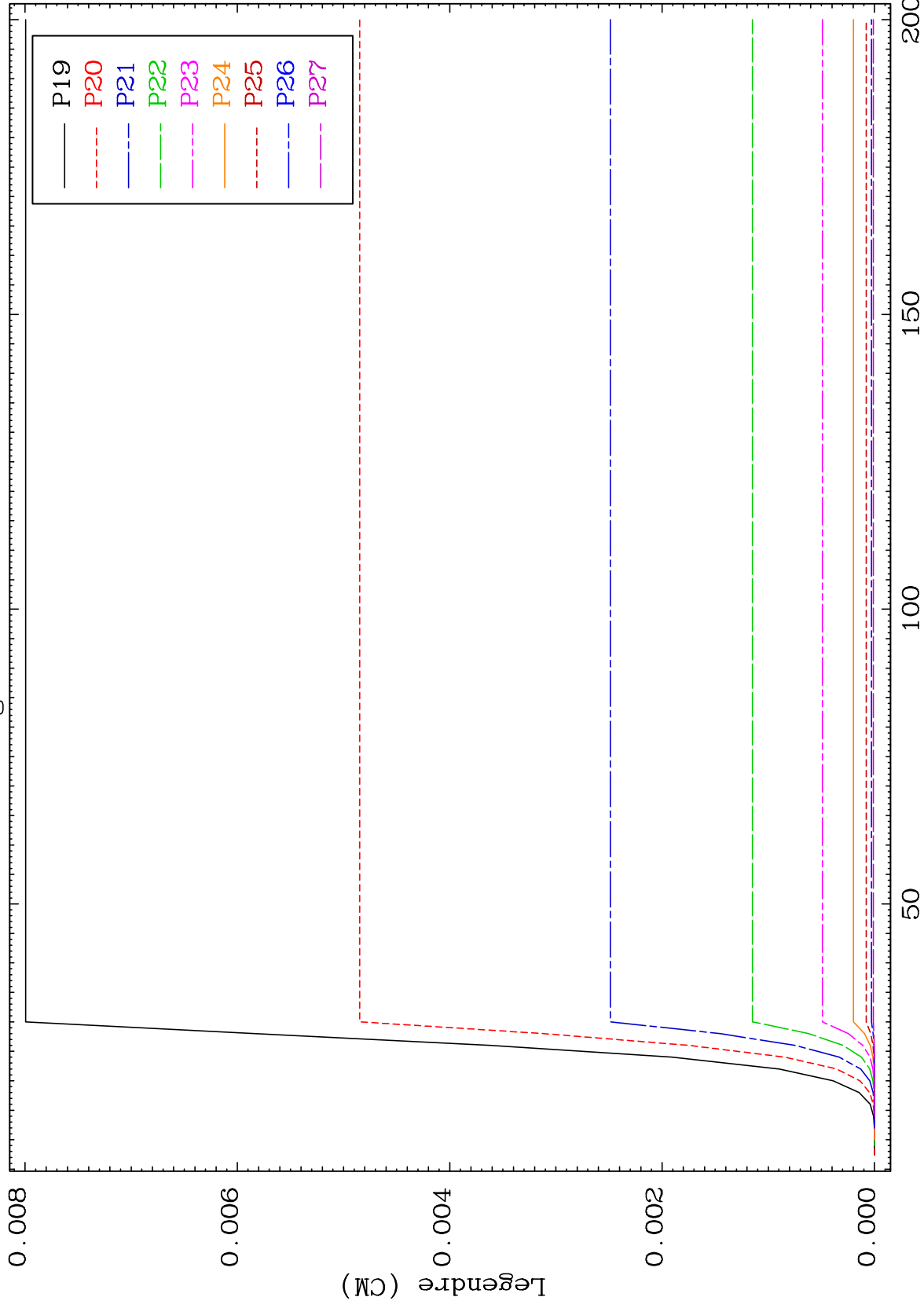
53-I -129

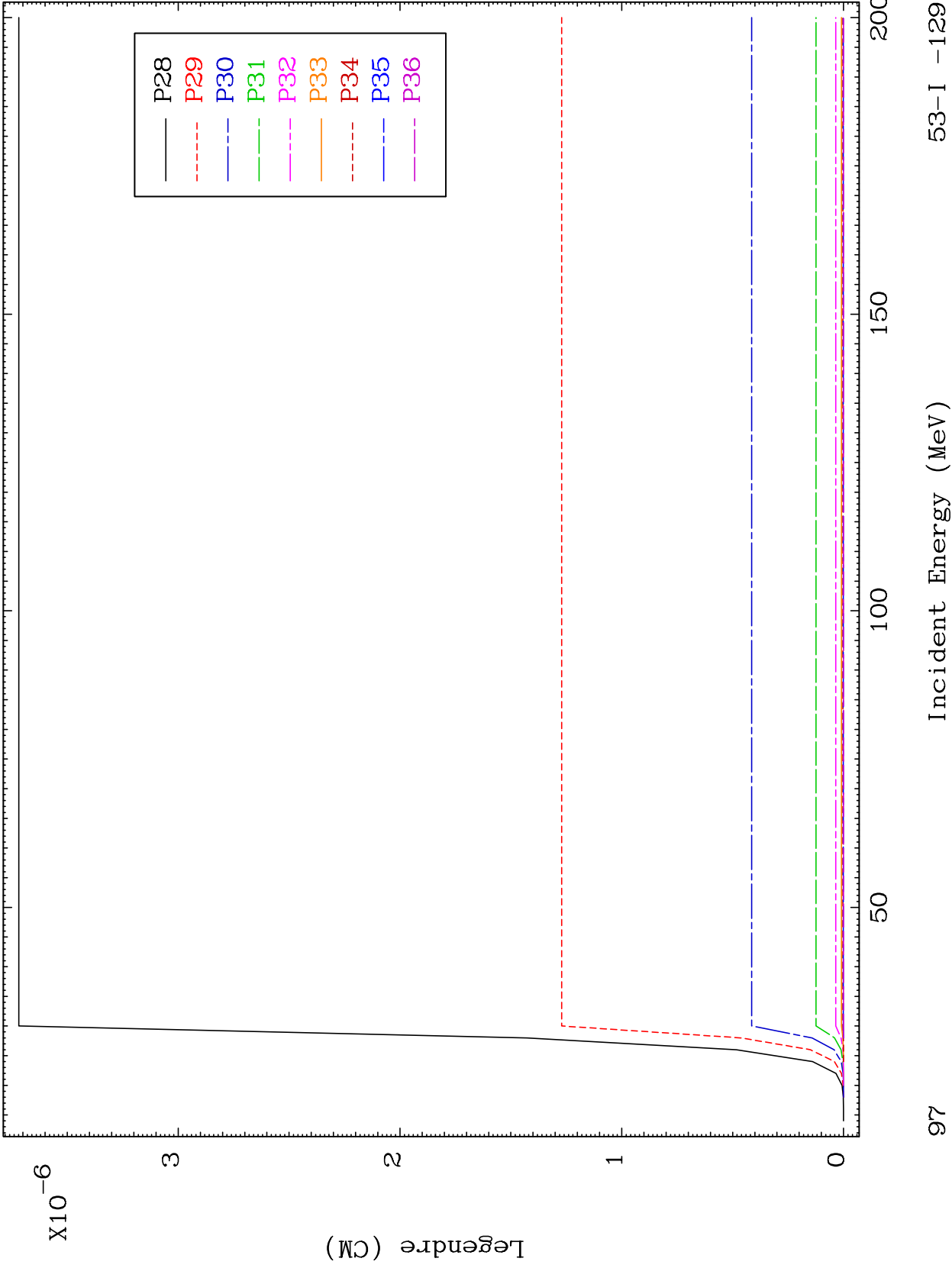


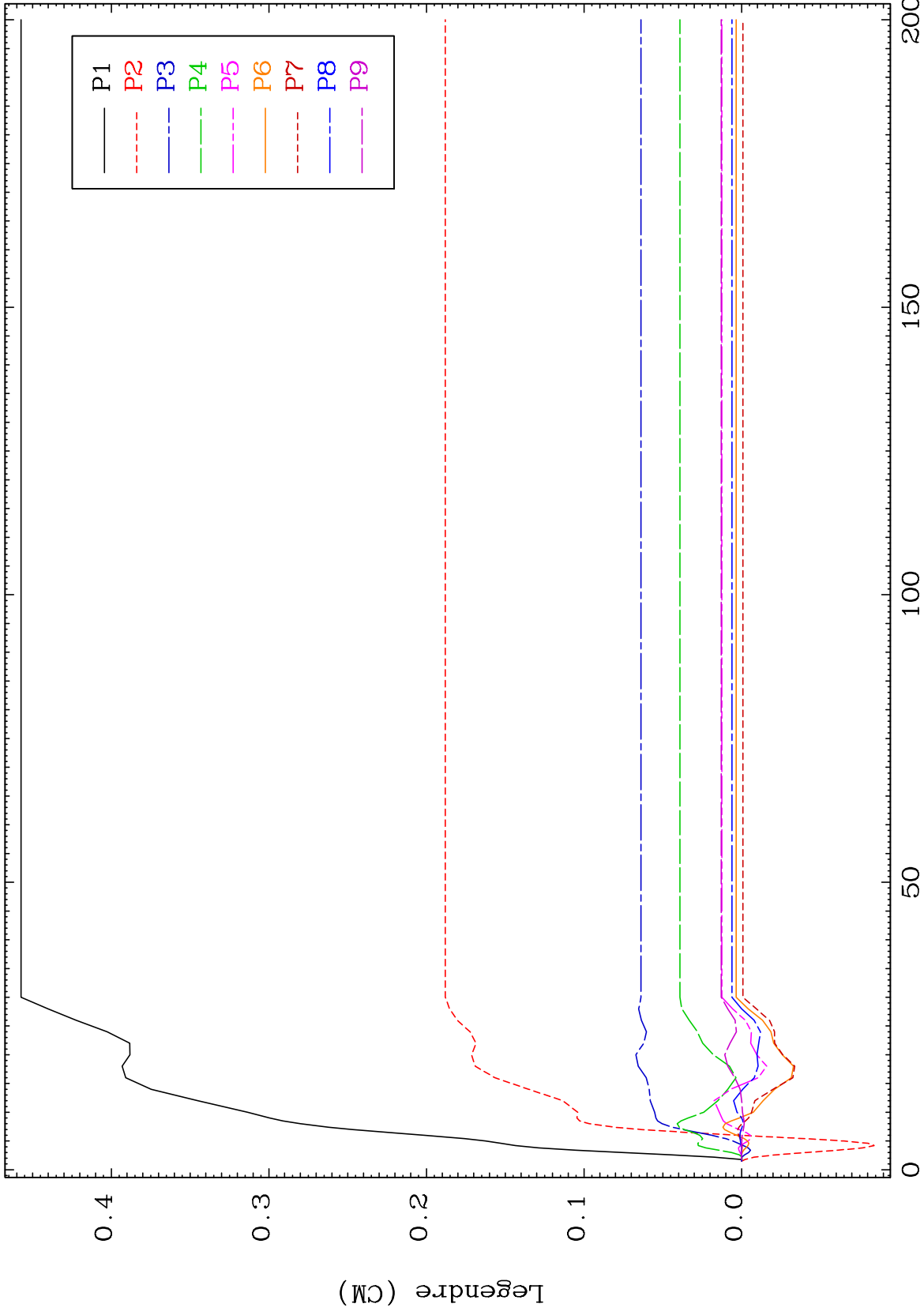
95

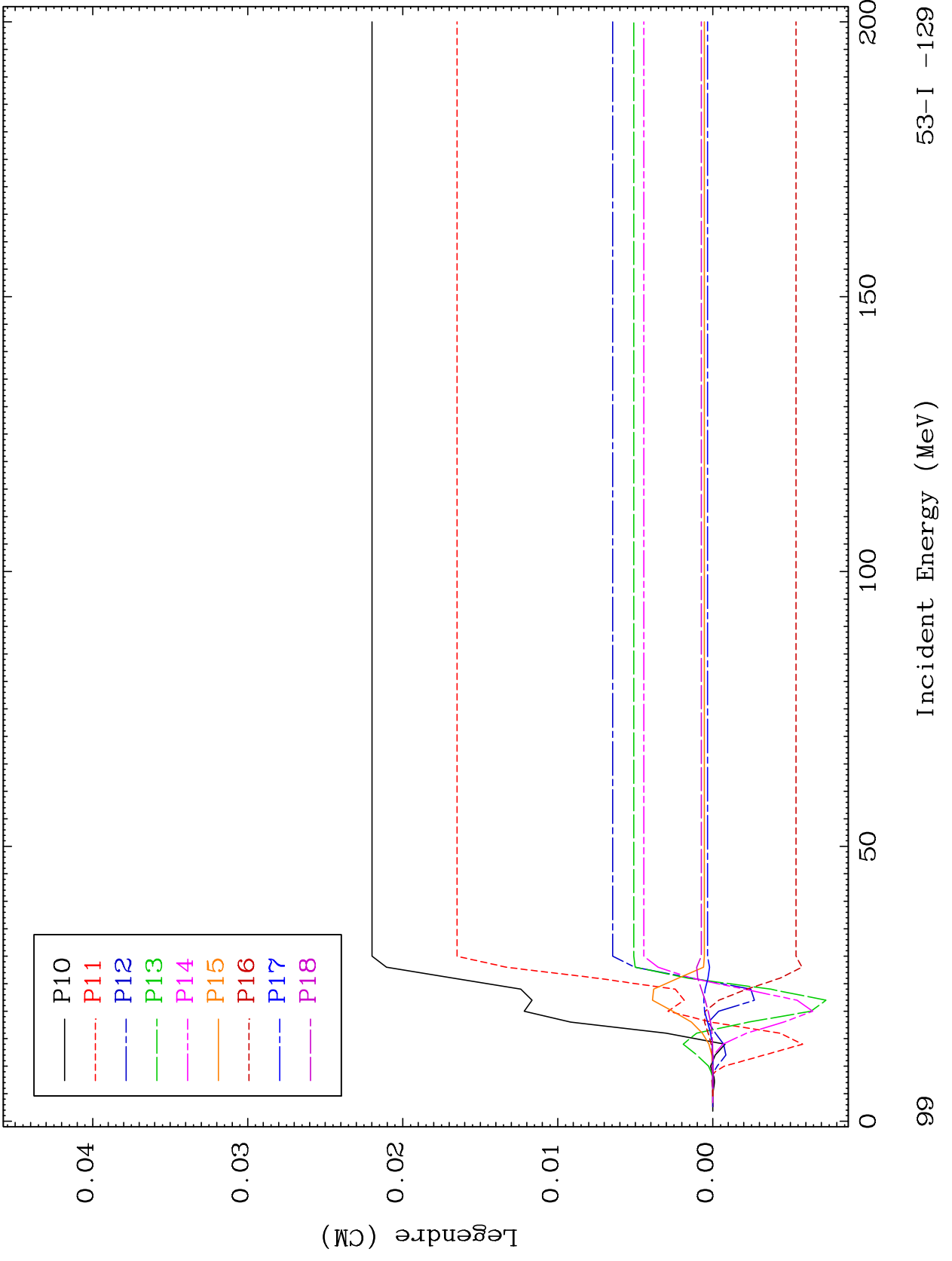
Incident Energy (MeV)

53-I -129





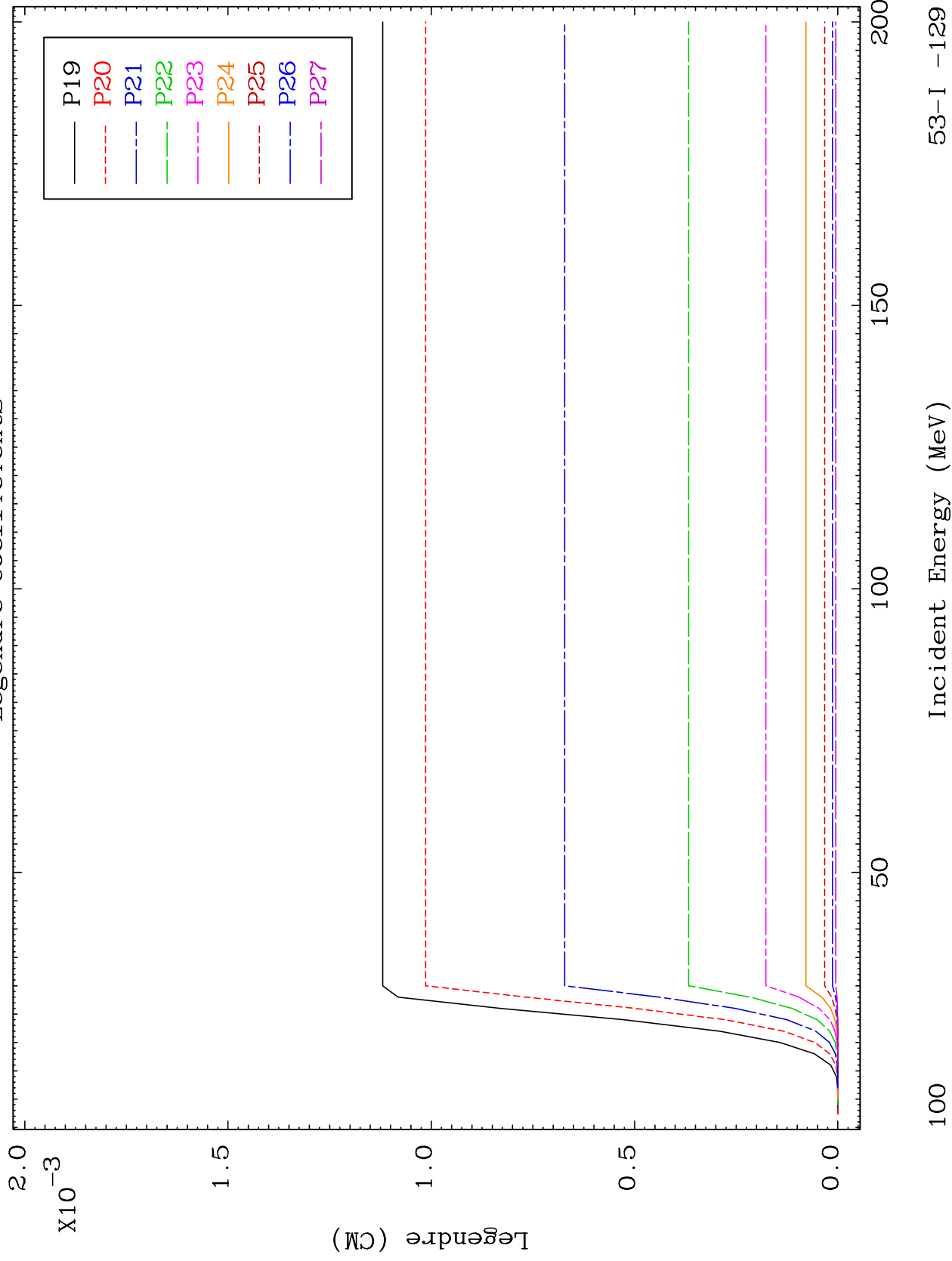




MAT 5331

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

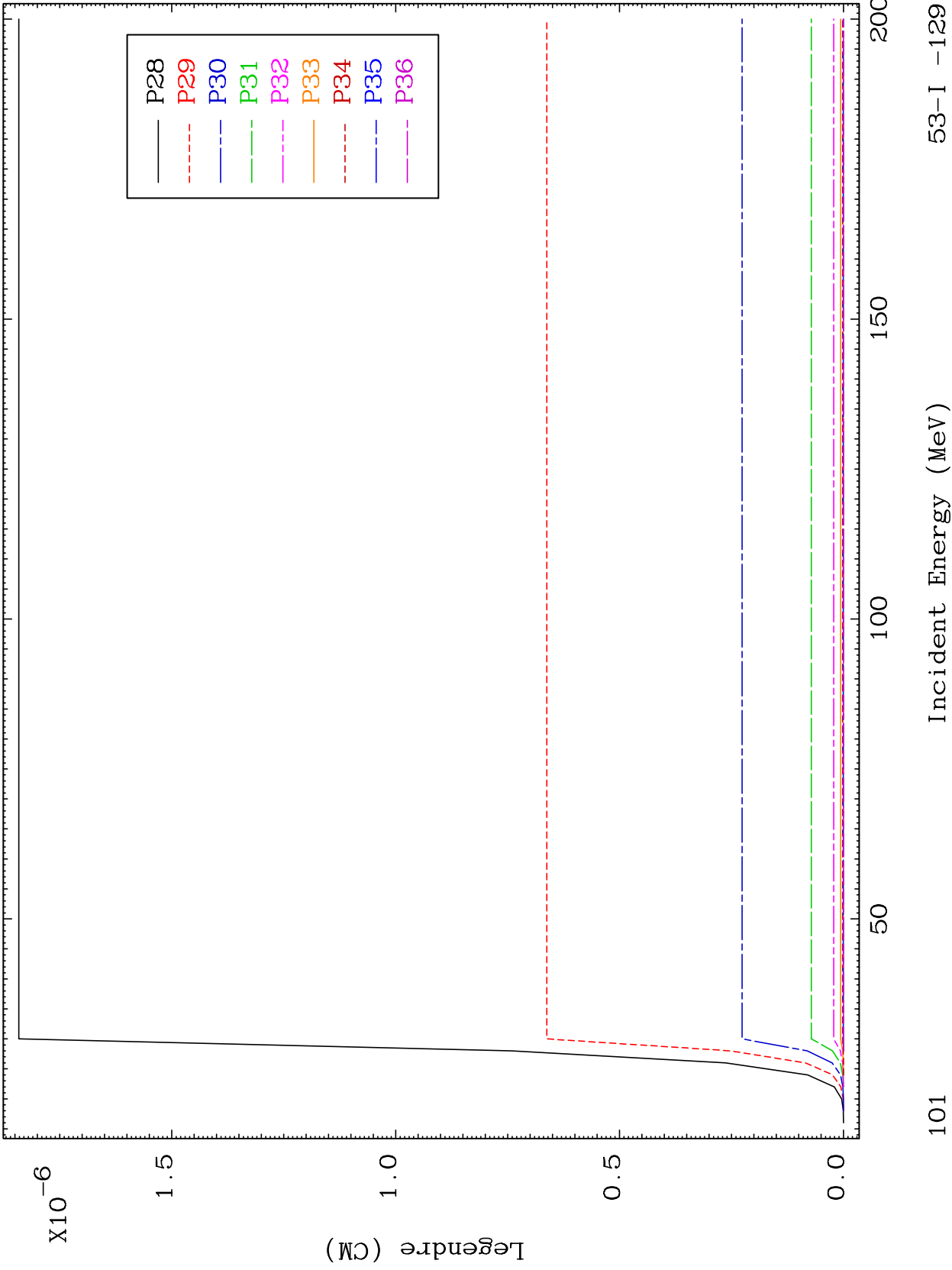
53-I -129



53-I -129

Incident Energy (MeV)

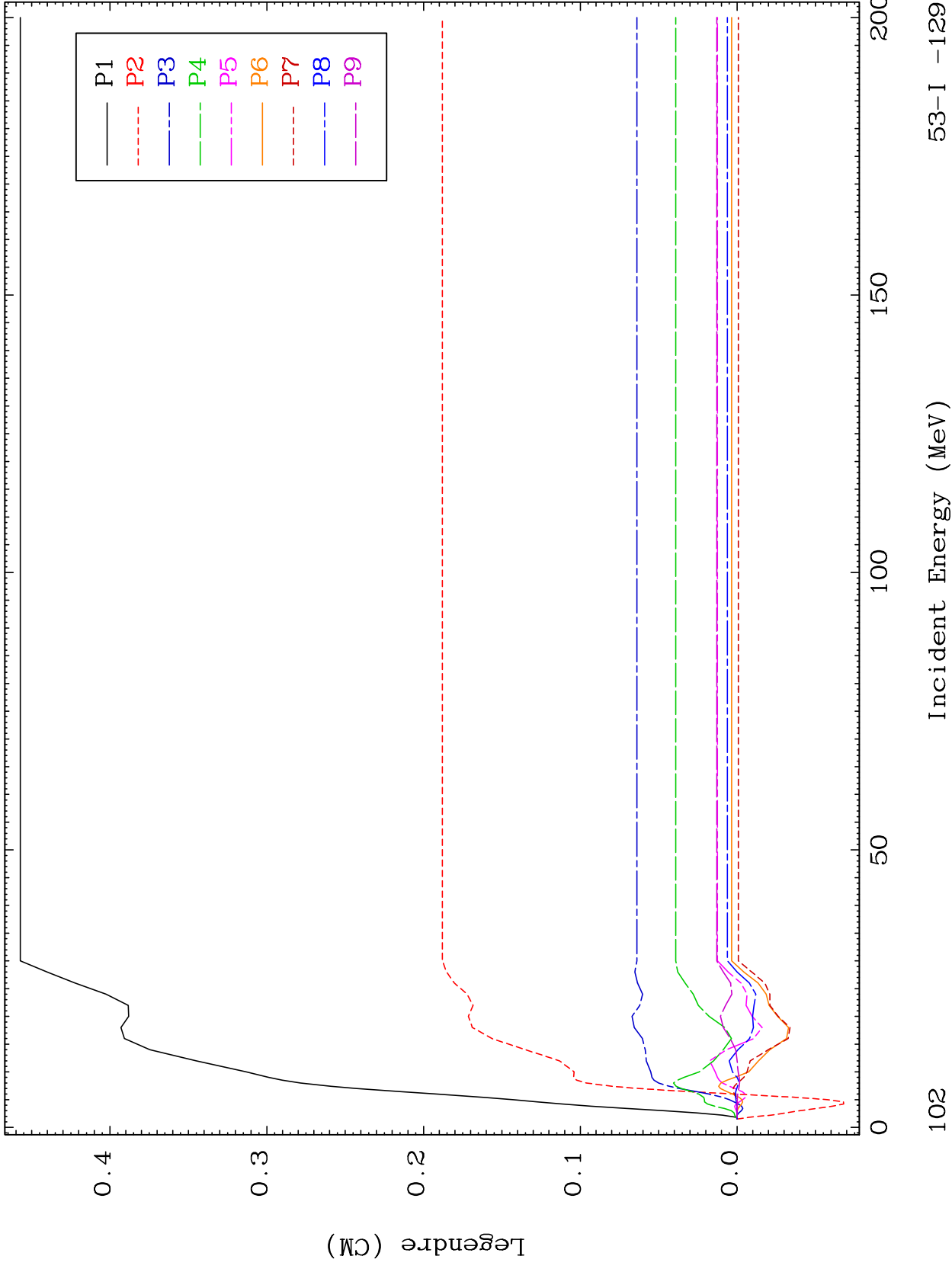
100



MAT 5331

MT= 72 (n,n') Level
Legendre Coefficients

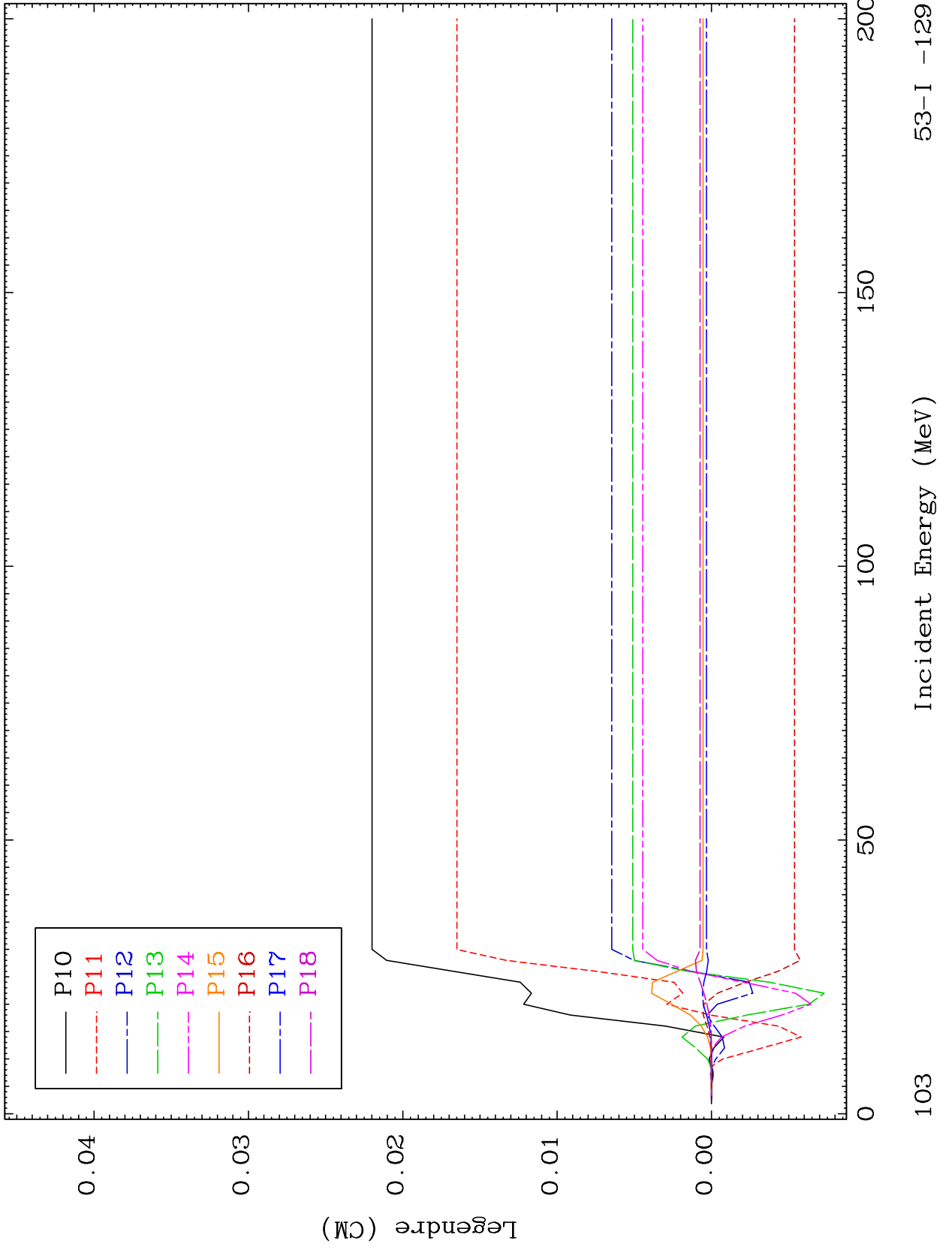
53-I -129

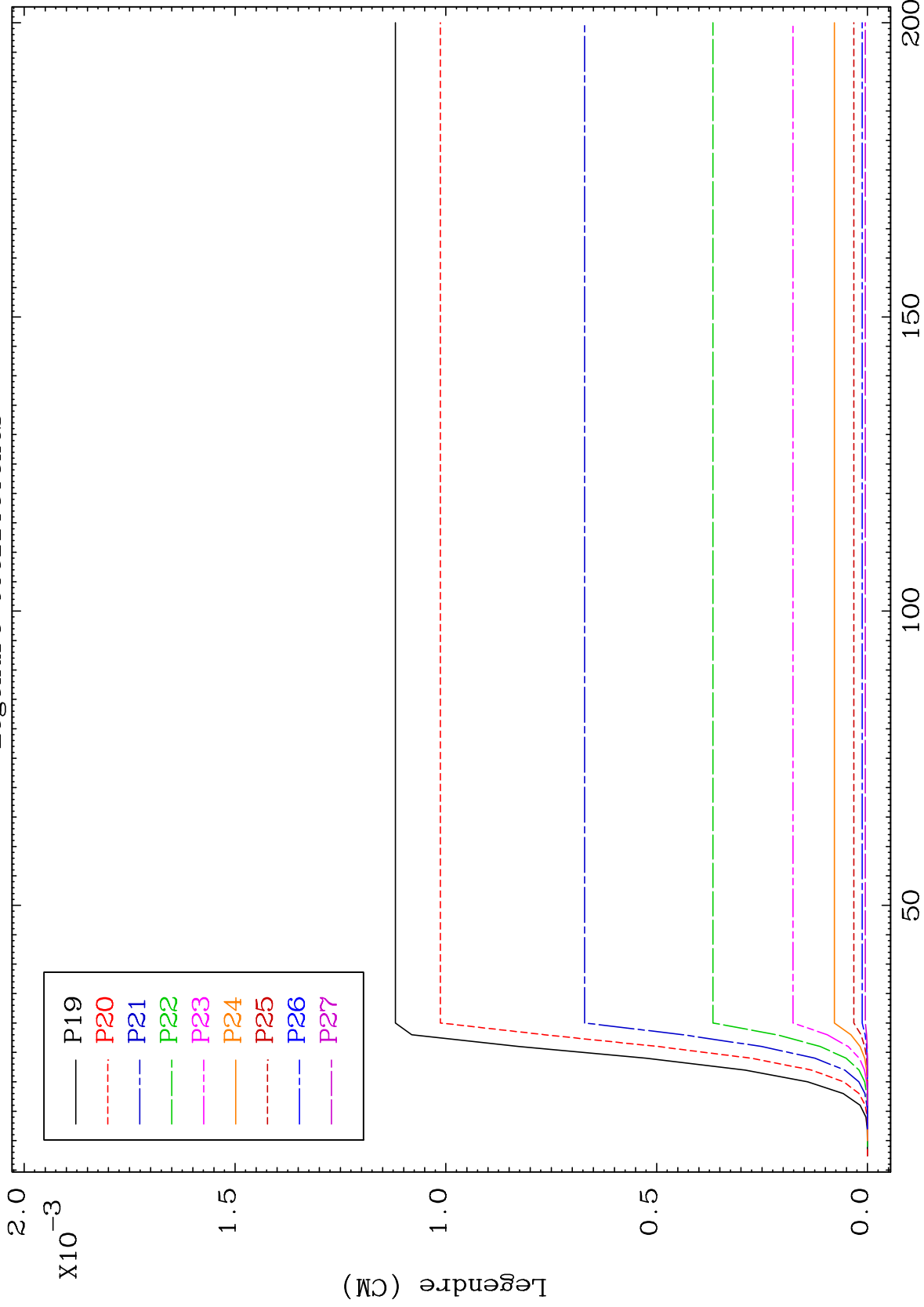


53-I -129

Incident Energy (MeV)

102

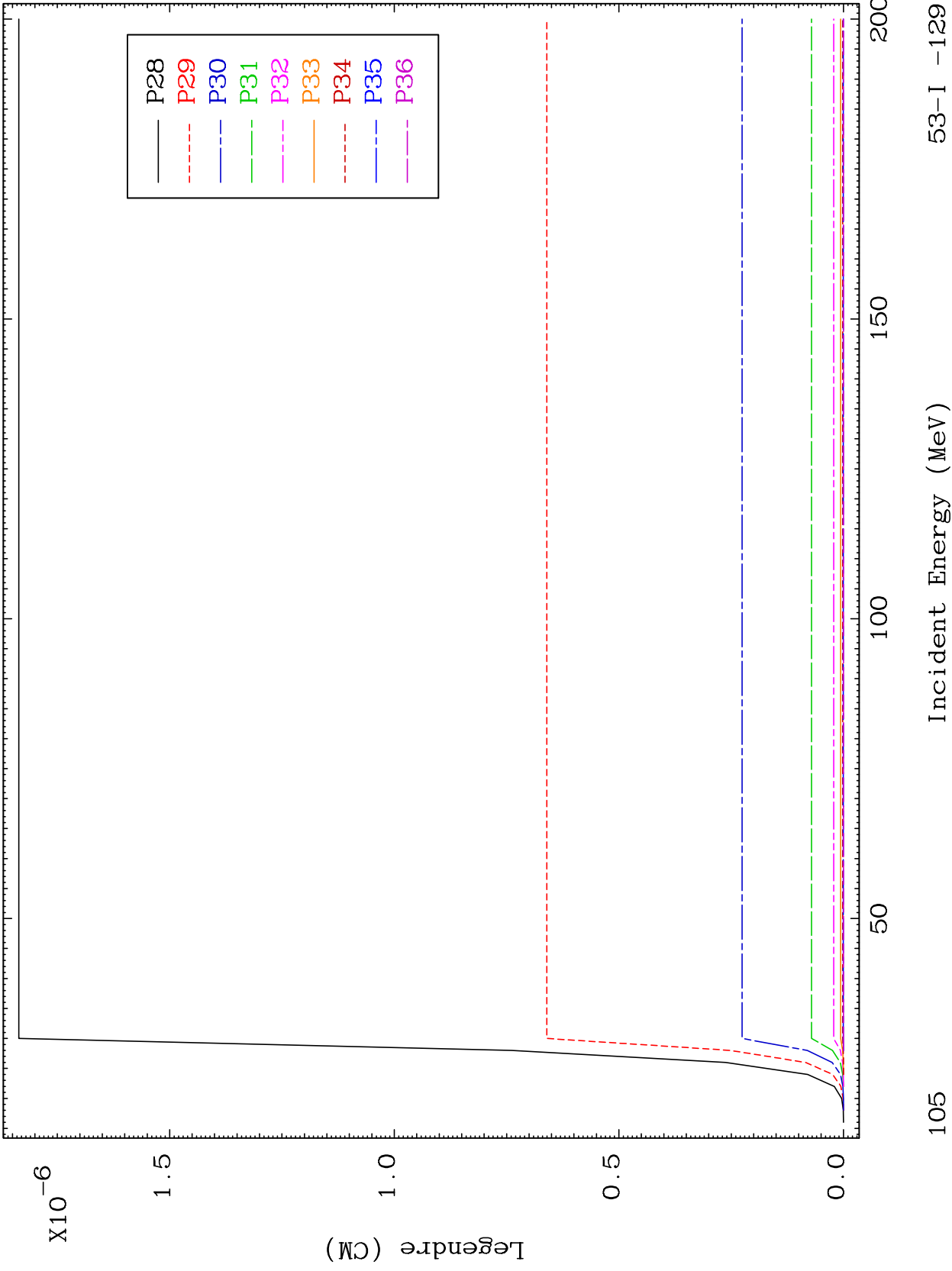




MAT 5331

MT= 72 (n,n') Level
Legendre Coefficients

53-I -129



53-I -129

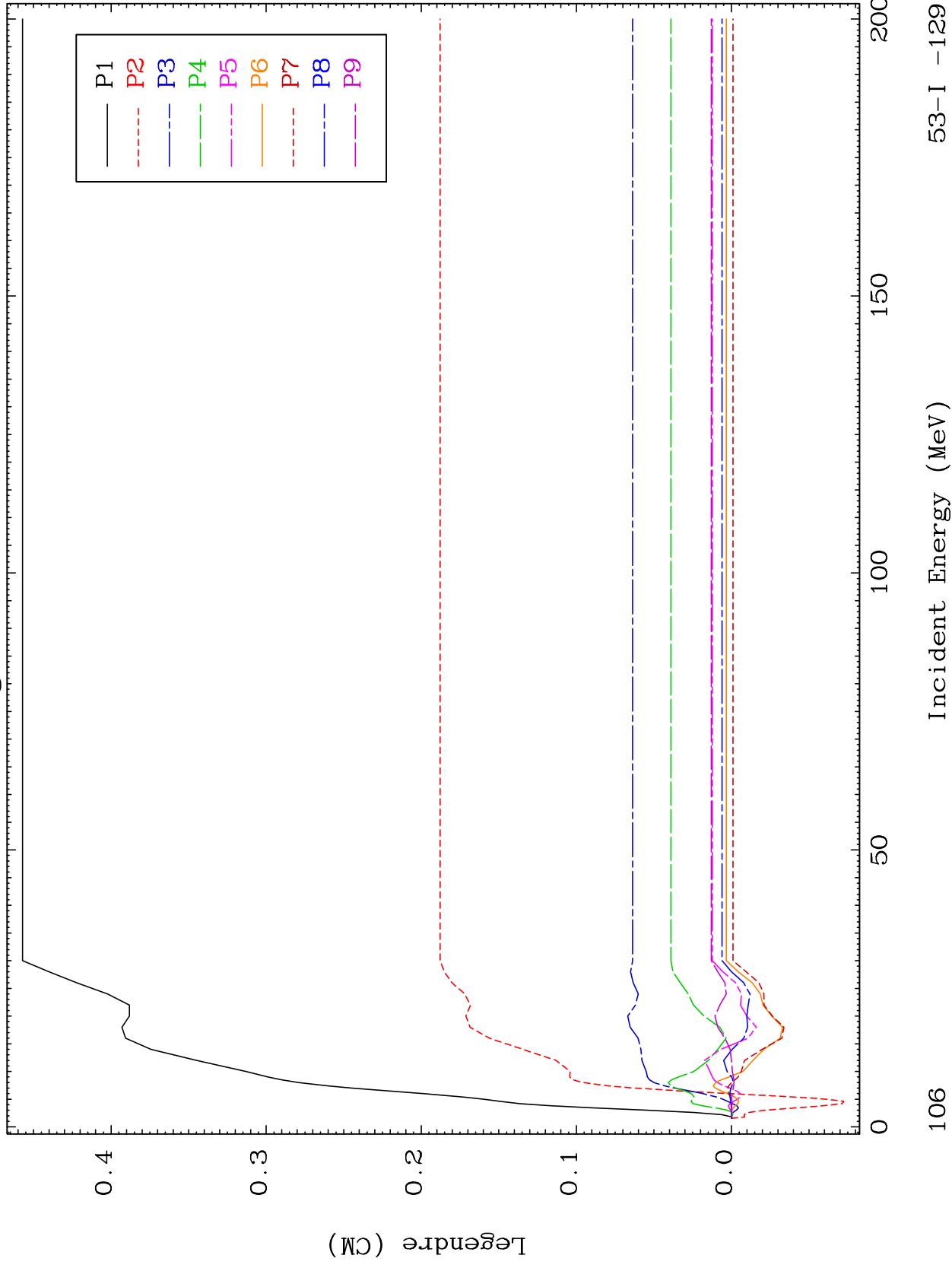
Incident Energy (MeV)

105

MAT 5331

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

53-I -129



53-I -129

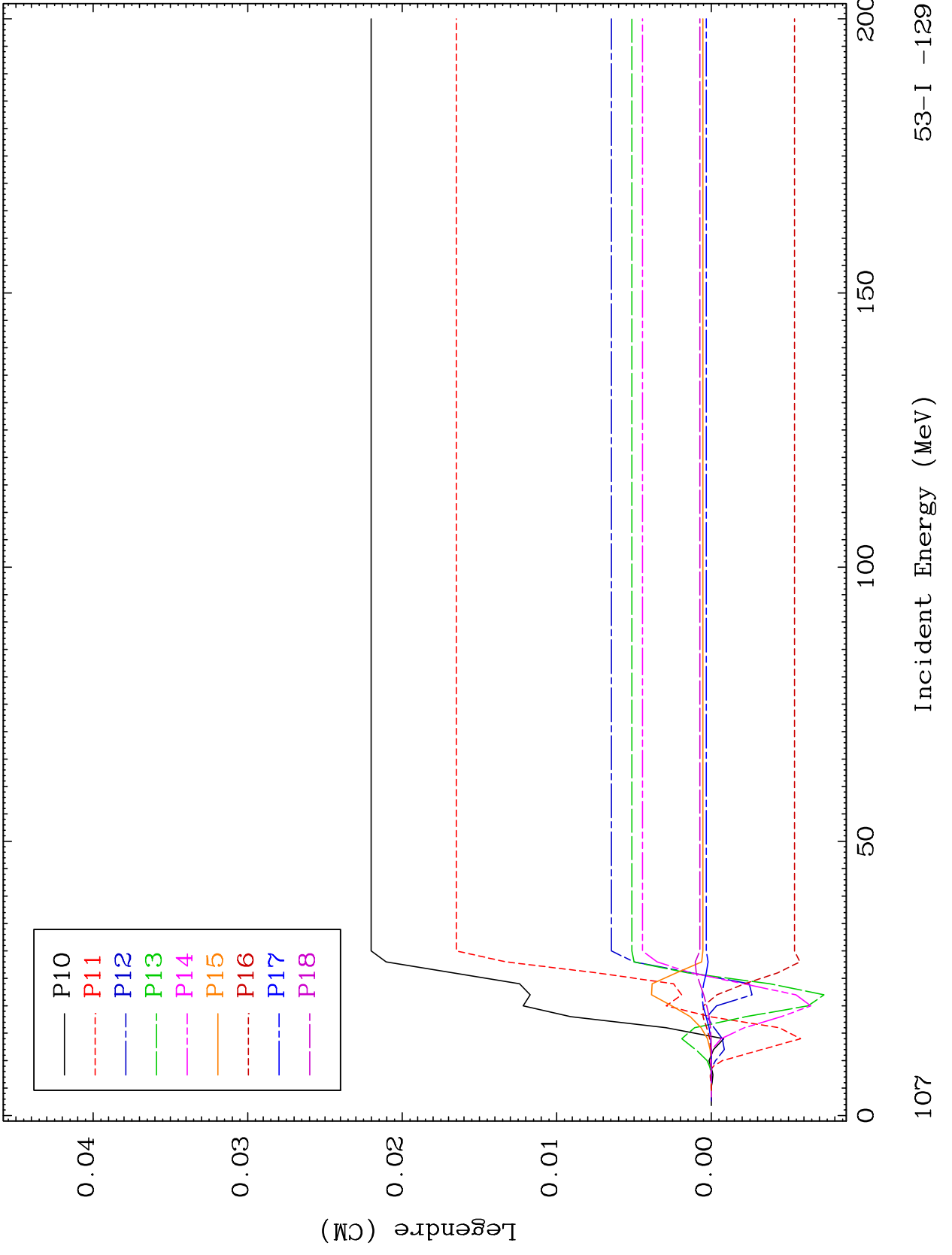
Incident Energy (MeV)

106

MAT 5331

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

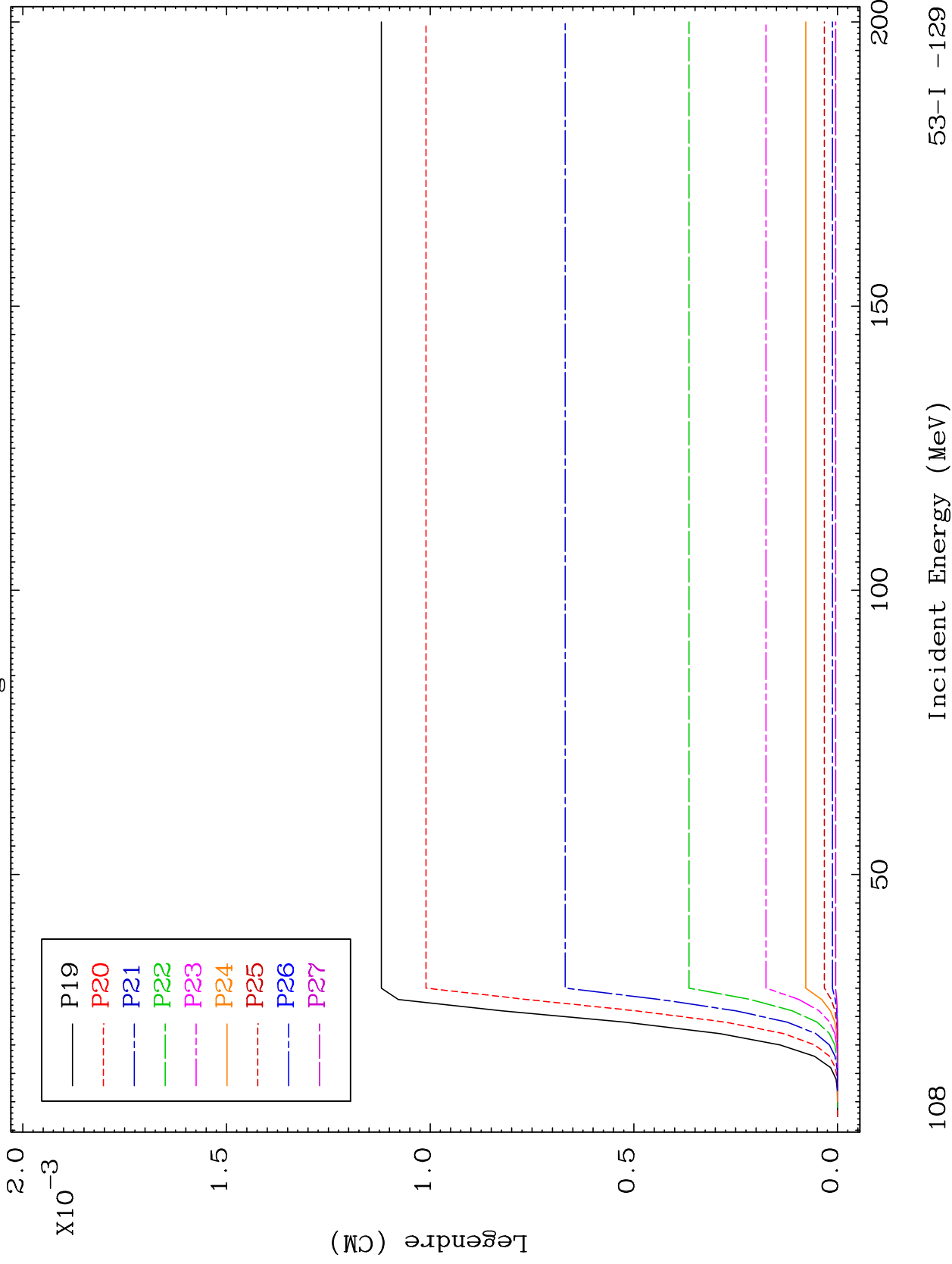
53-I -129



107

Incident Energy (MeV)

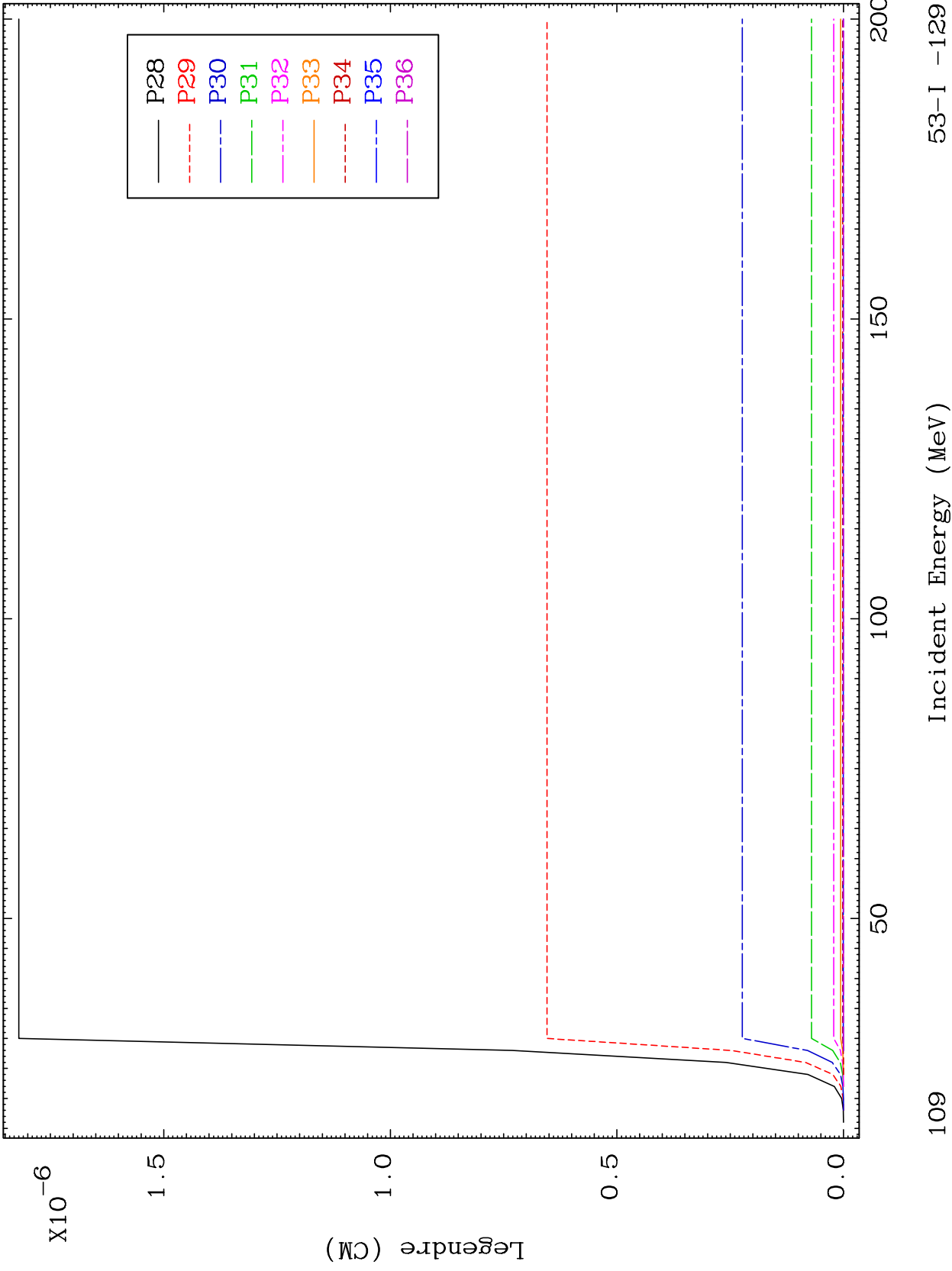
53-I -129



MAT 5331

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

53-I -129



109

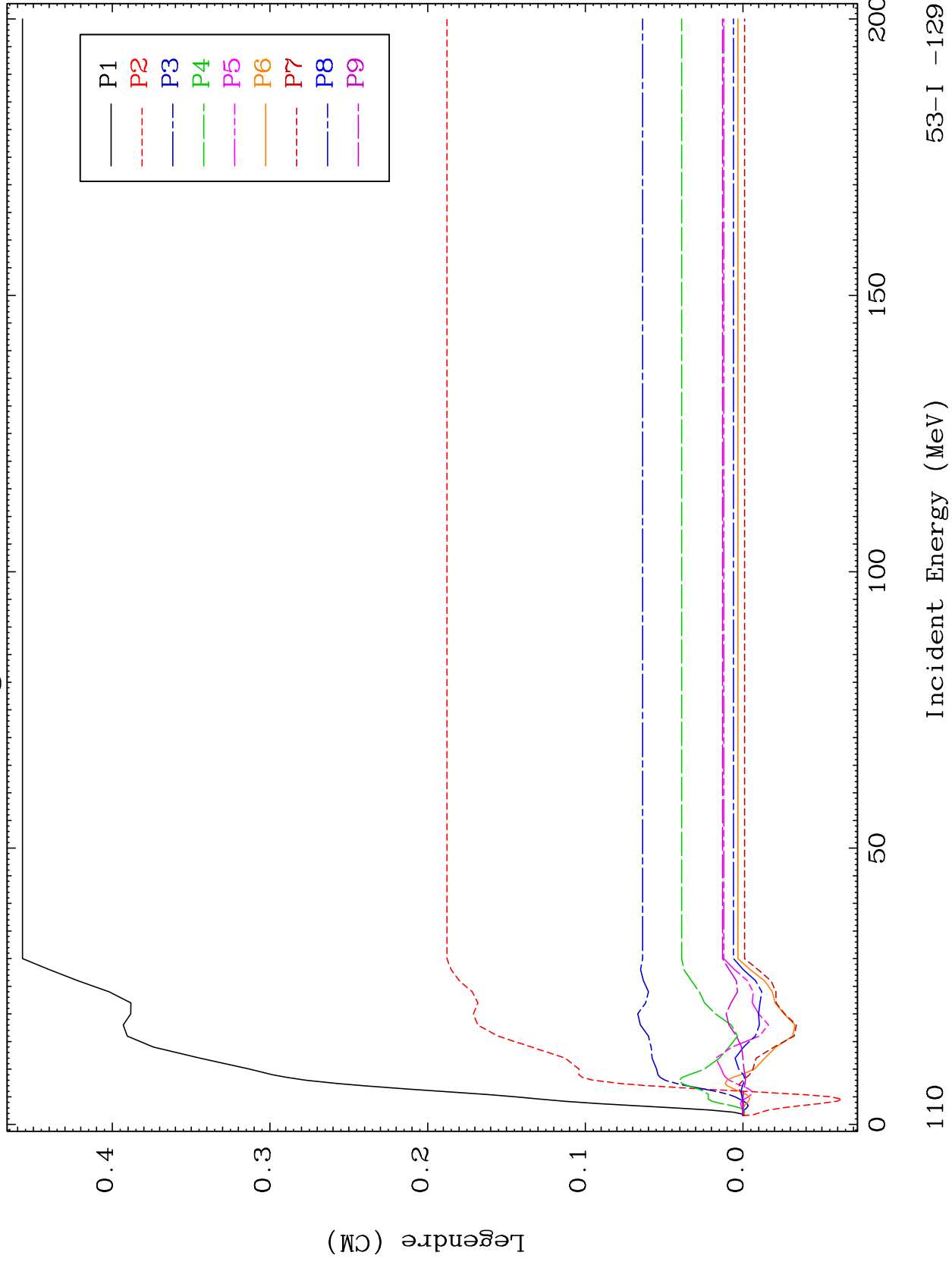
Incident Energy (MeV)

53-I -129

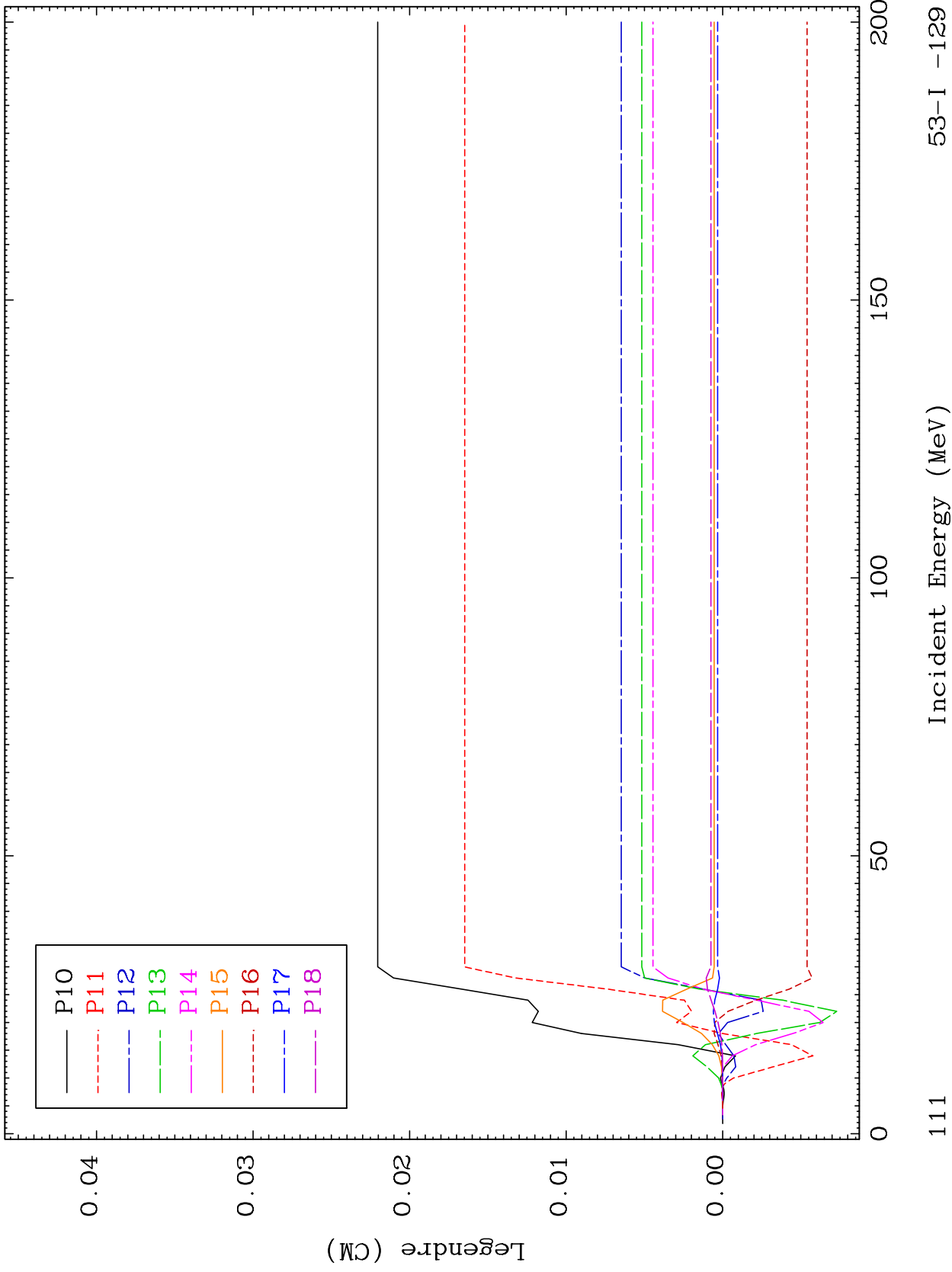
MAT 5331

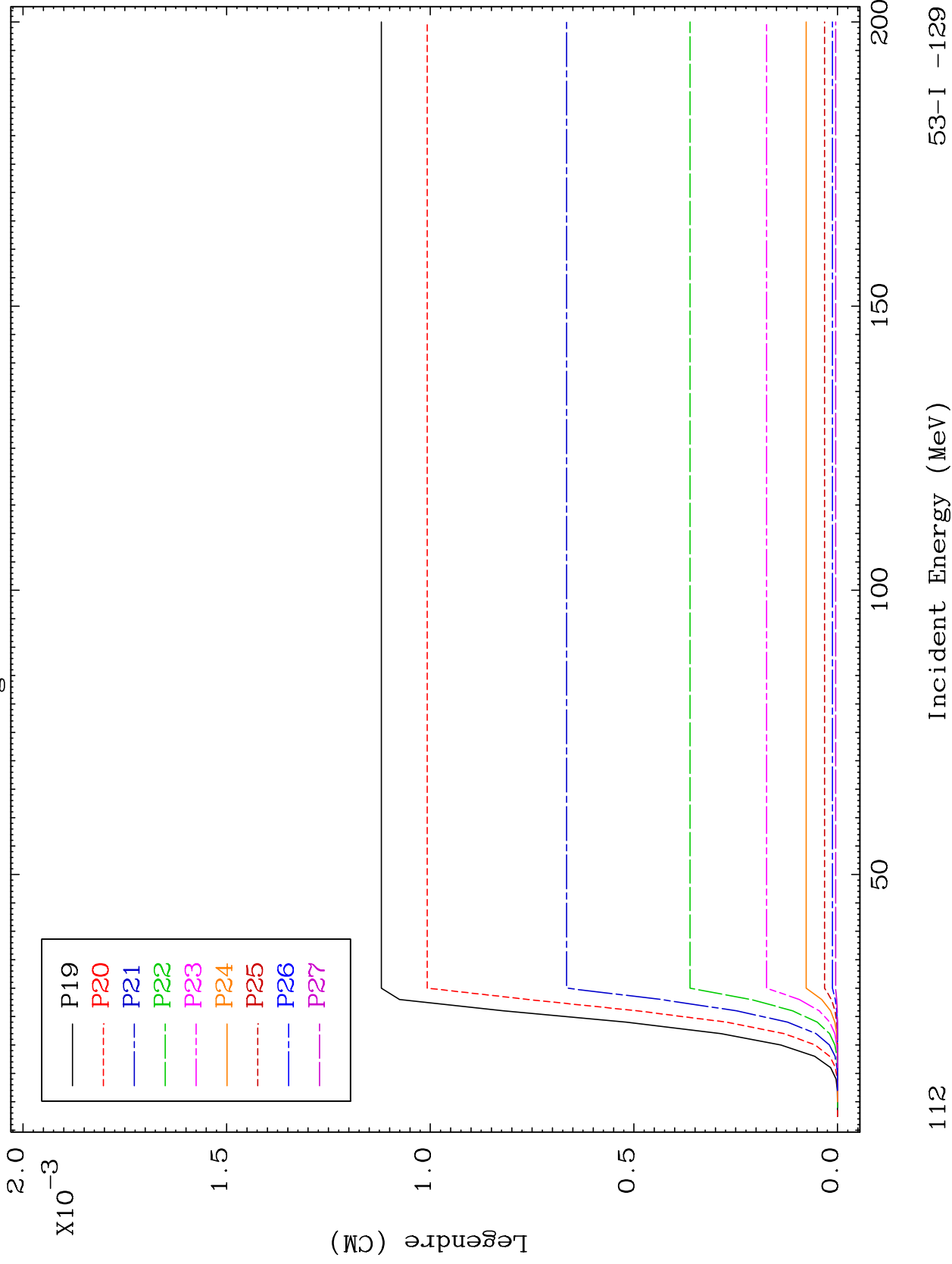
MT= 74 (n,n') Level
Legendre Coefficients

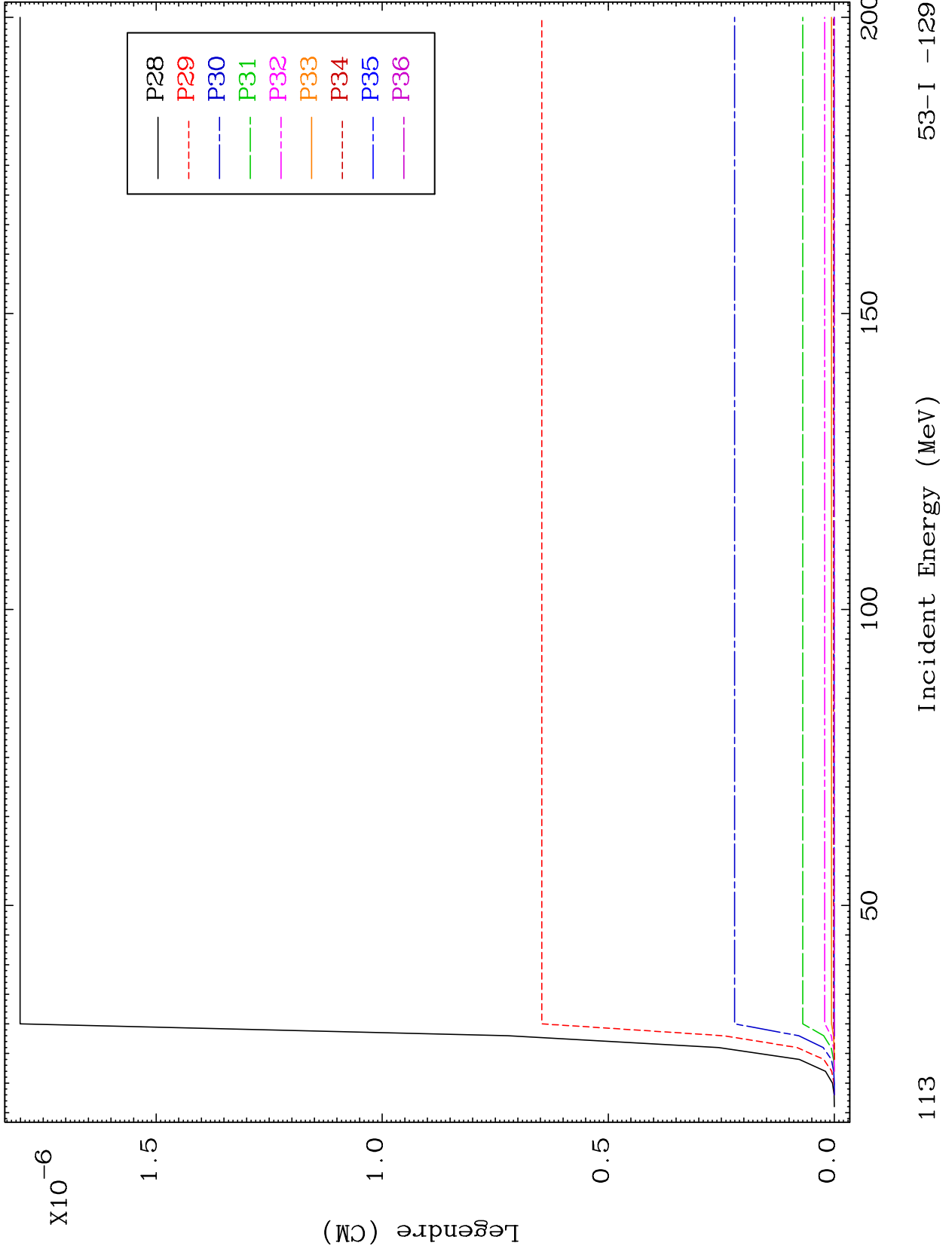
53-I -129



53-I -129





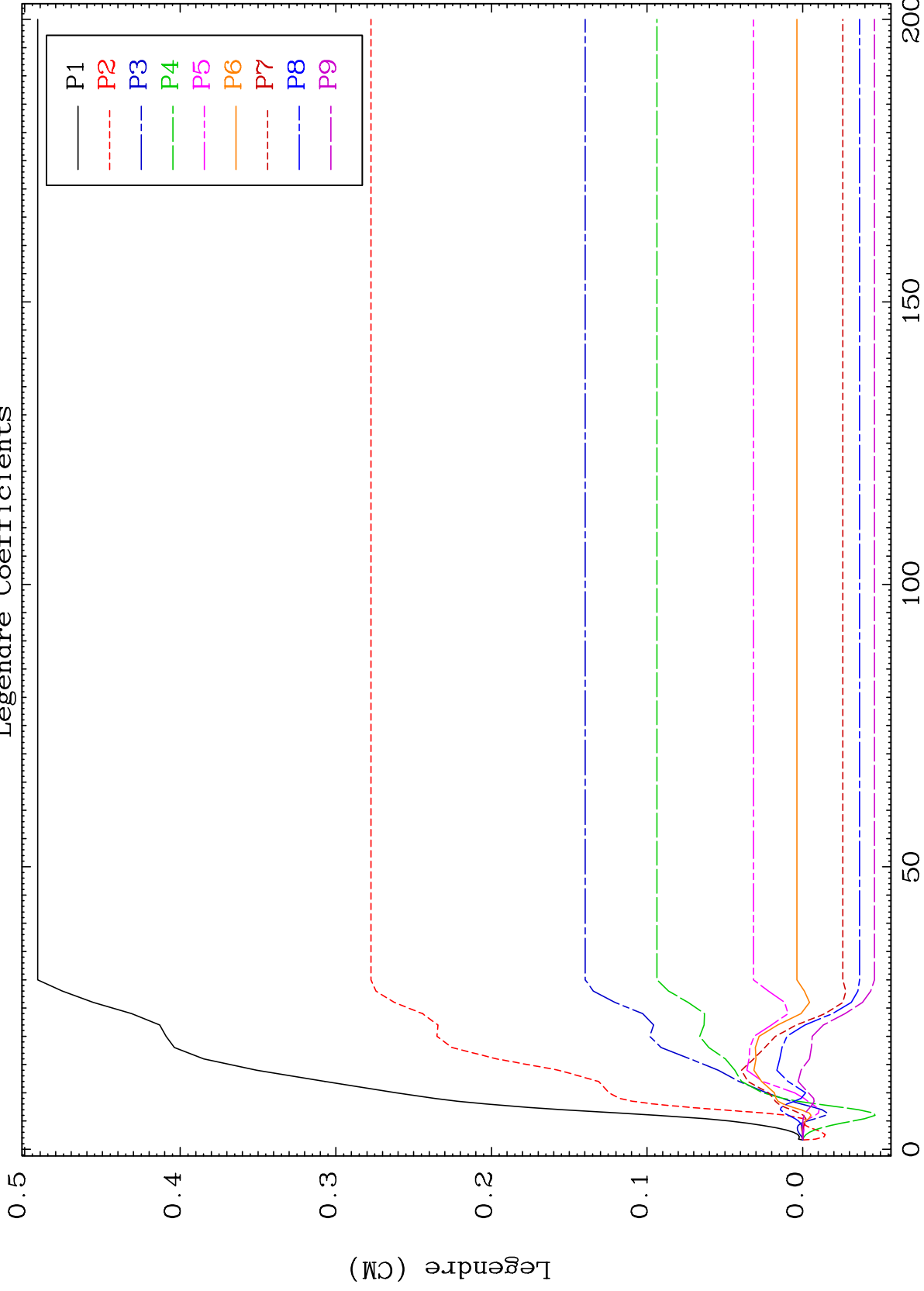


MAT 5331

MT= 75 (n,n') Level

53-I -129

Legendre Coefficients



114

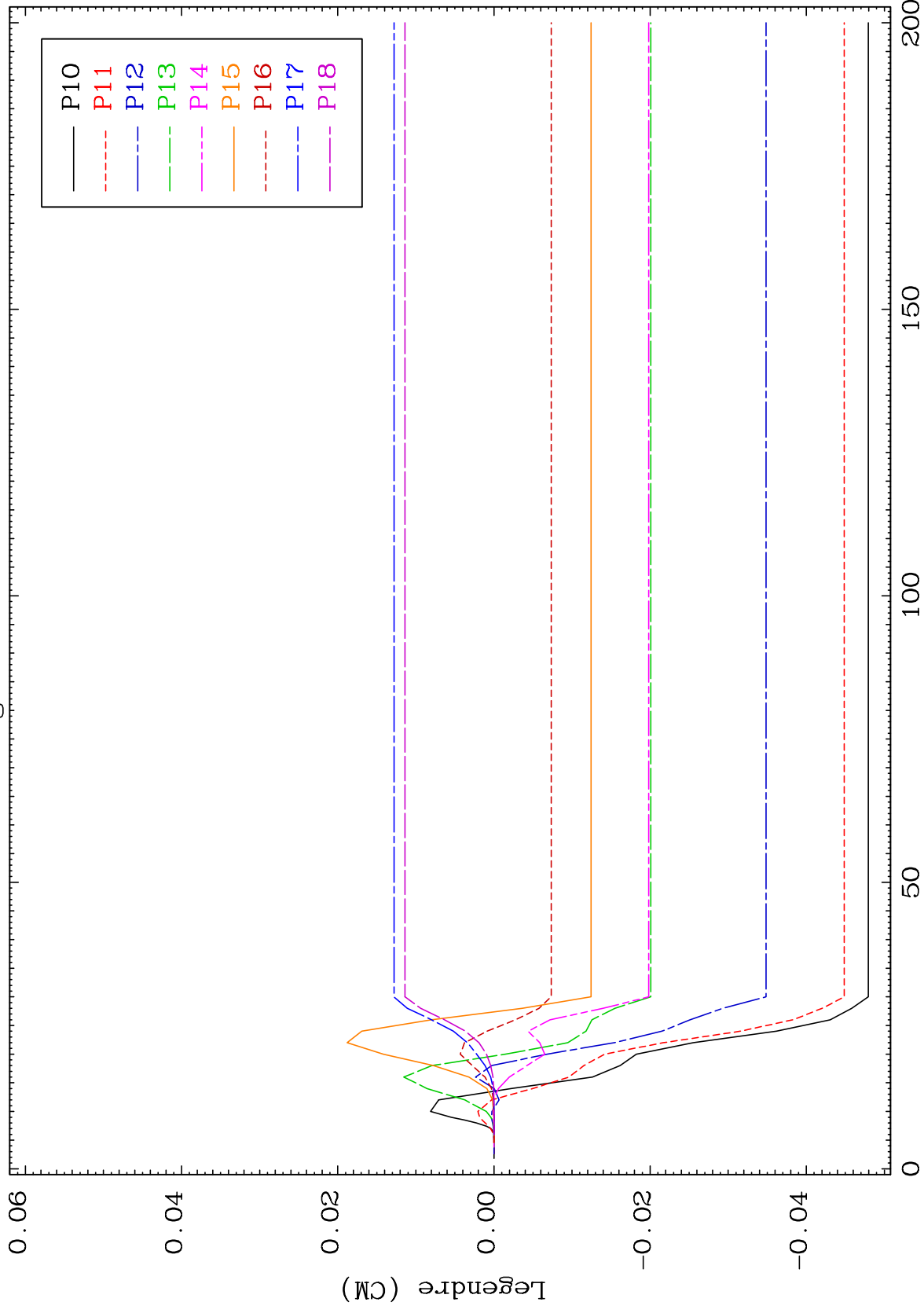
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



115

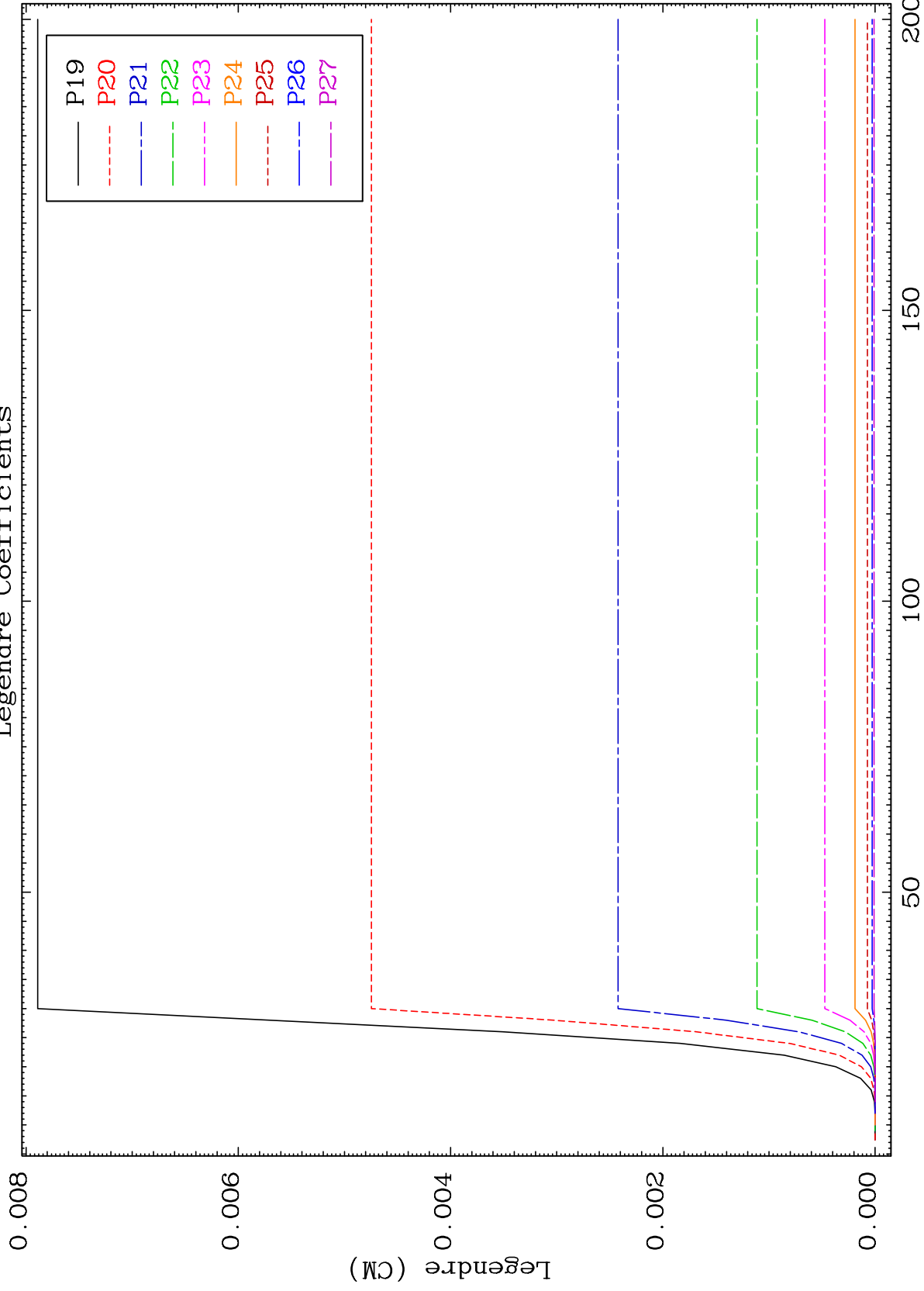
Incident Energy (MeV)

53-I -129

MAT 5331

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

53-I -129



116

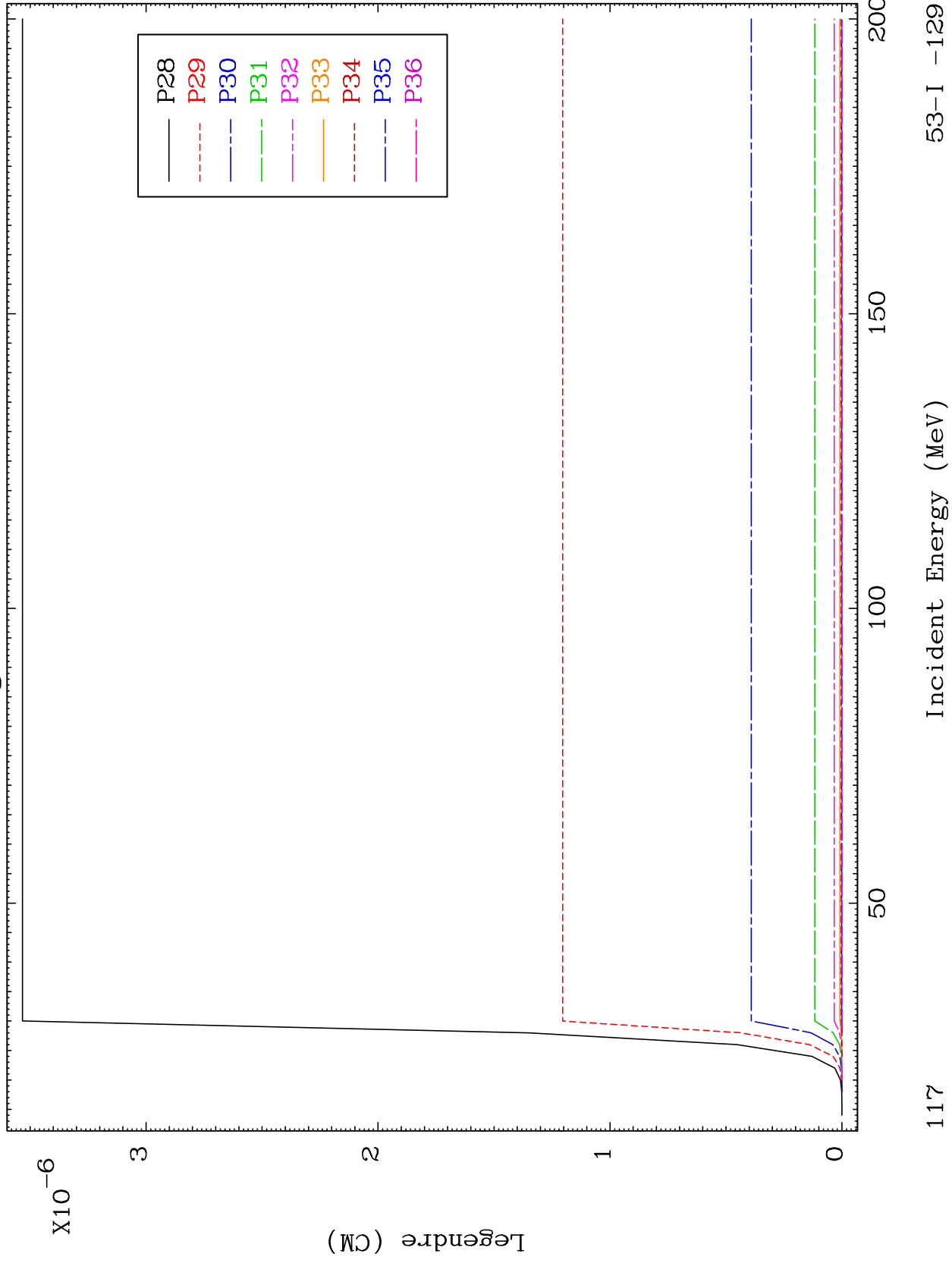
Incident Energy (MeV)

53-I -129

MAT 5331

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

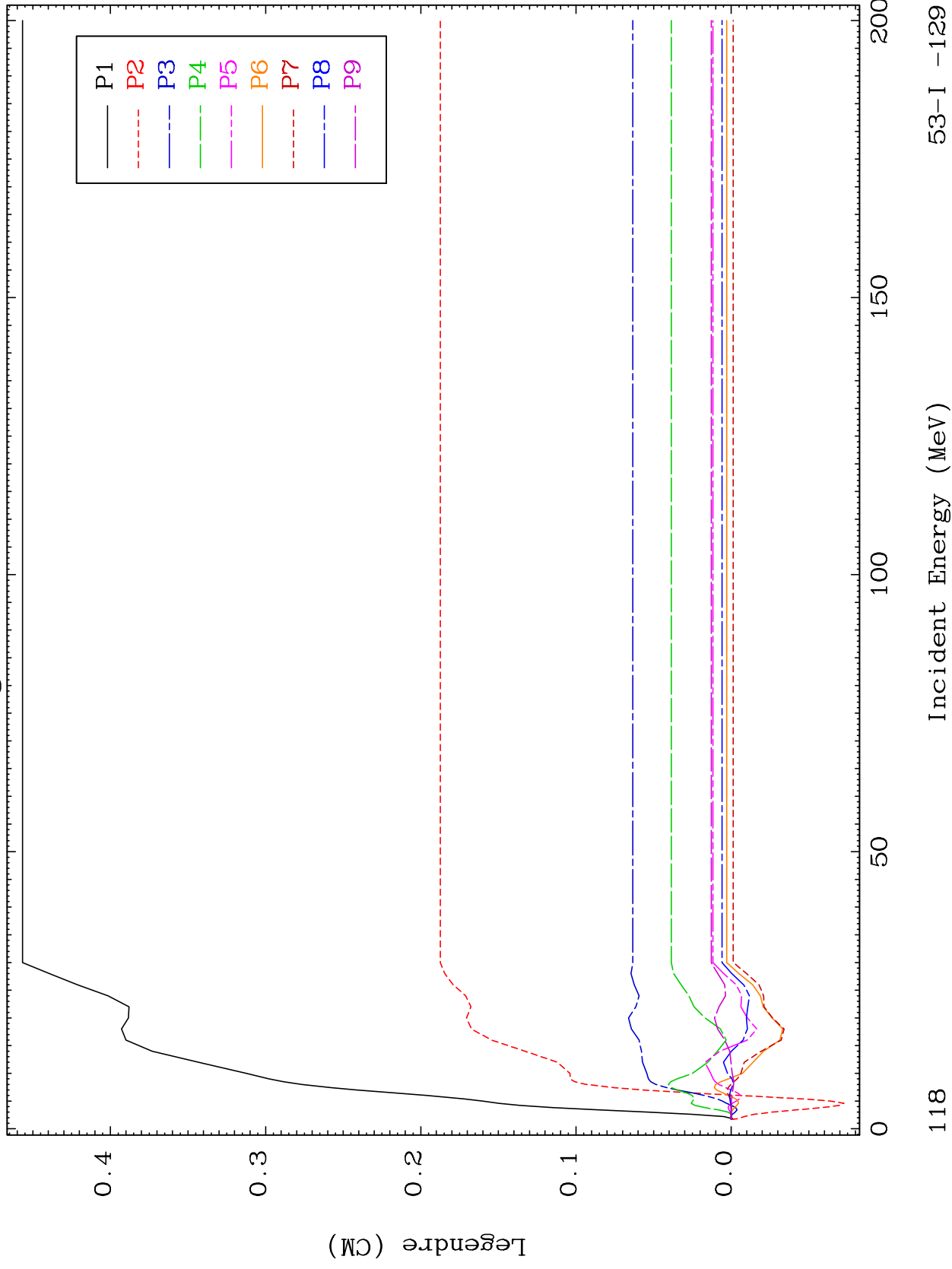
53-I -129

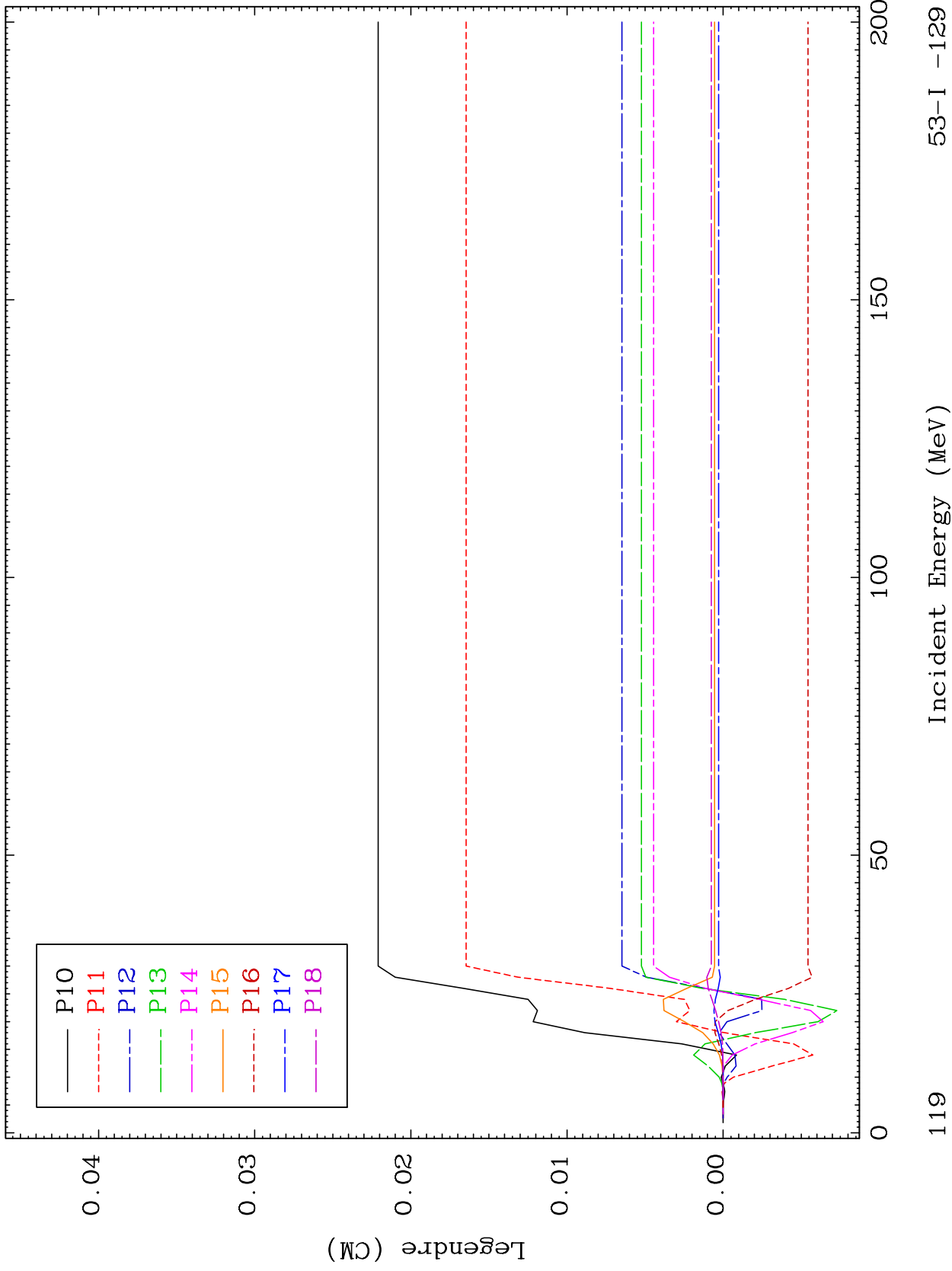


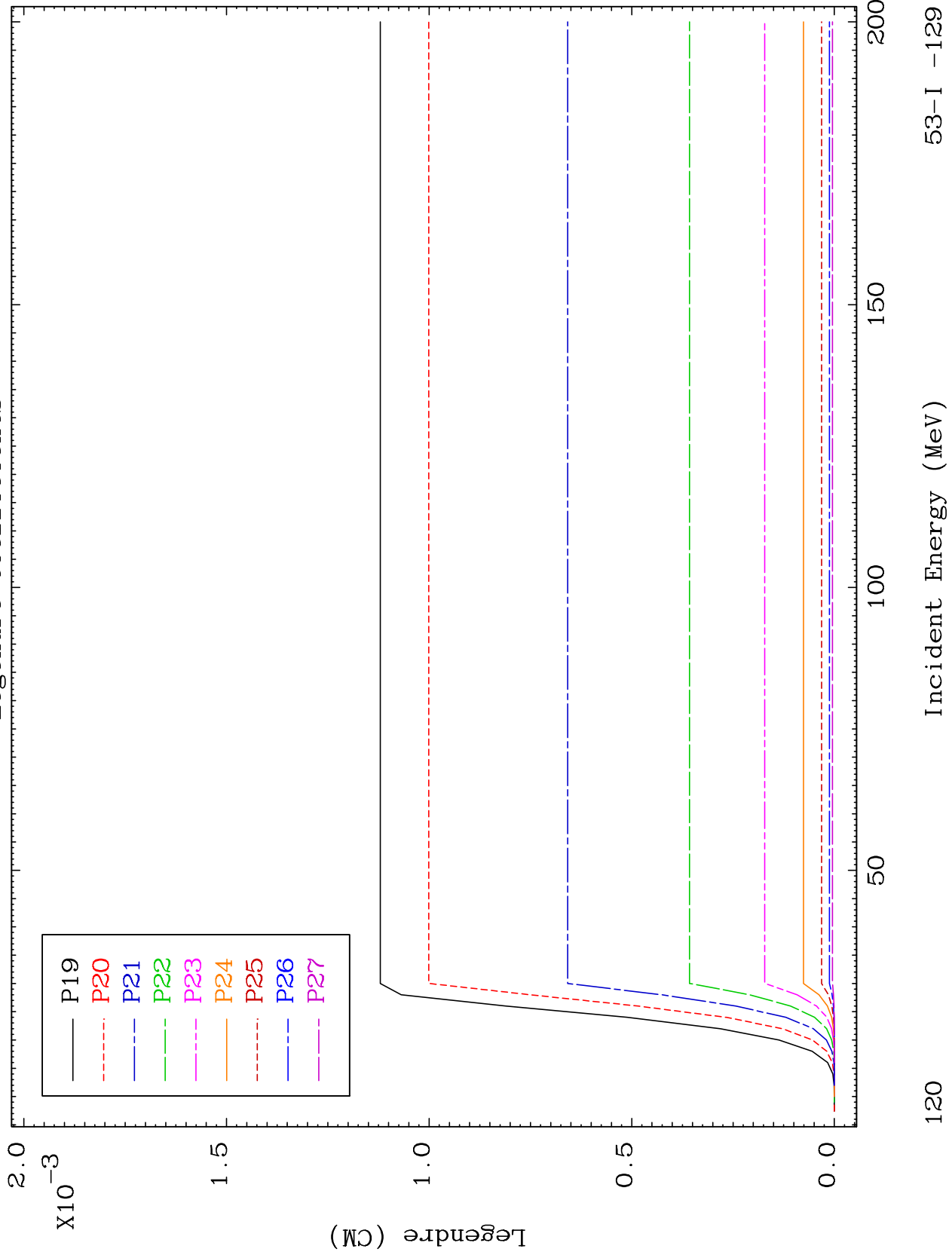
MAT 5331

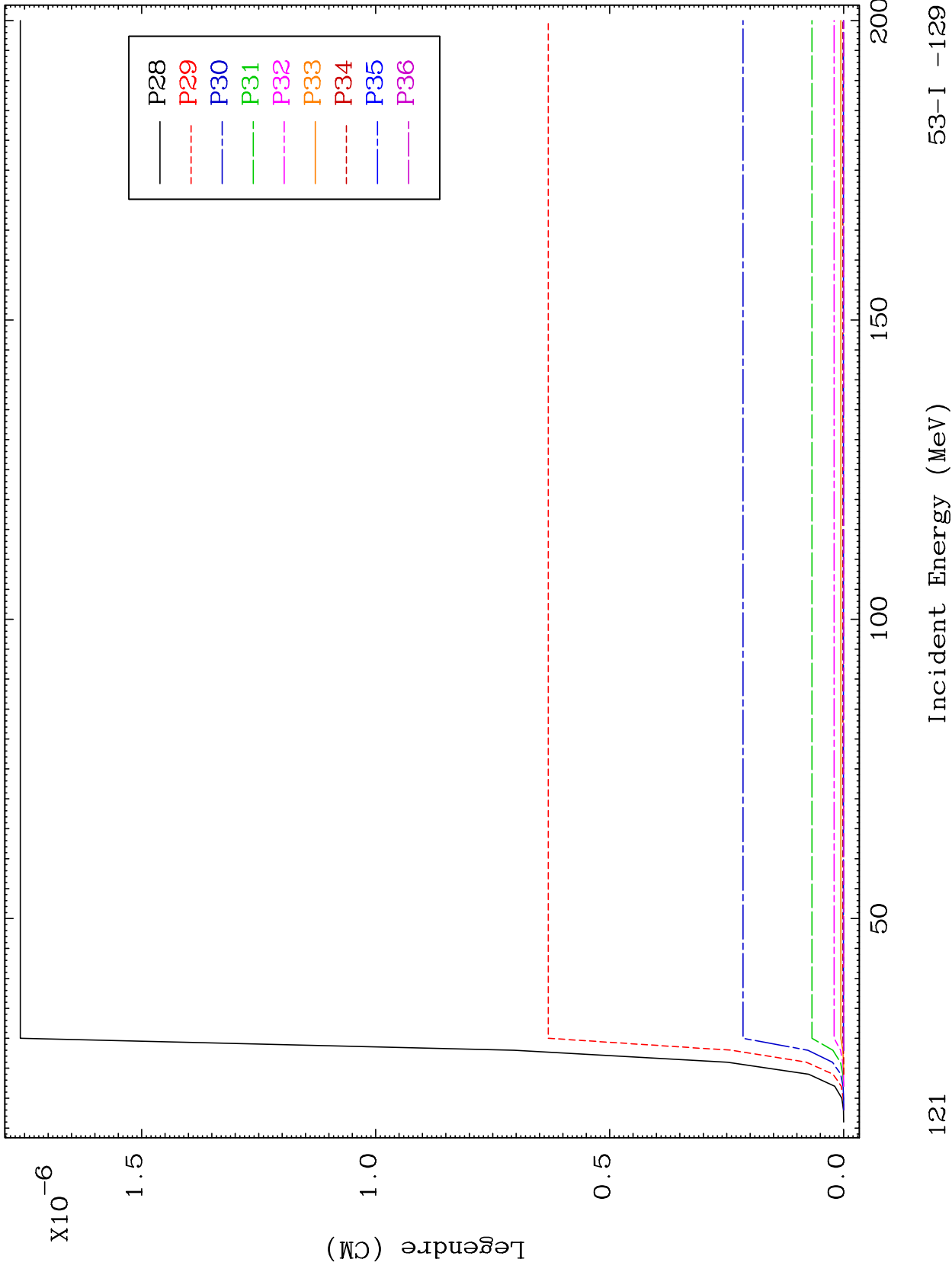
MT= 76 (n,n') Level
Legendre Coefficients

53-I -129





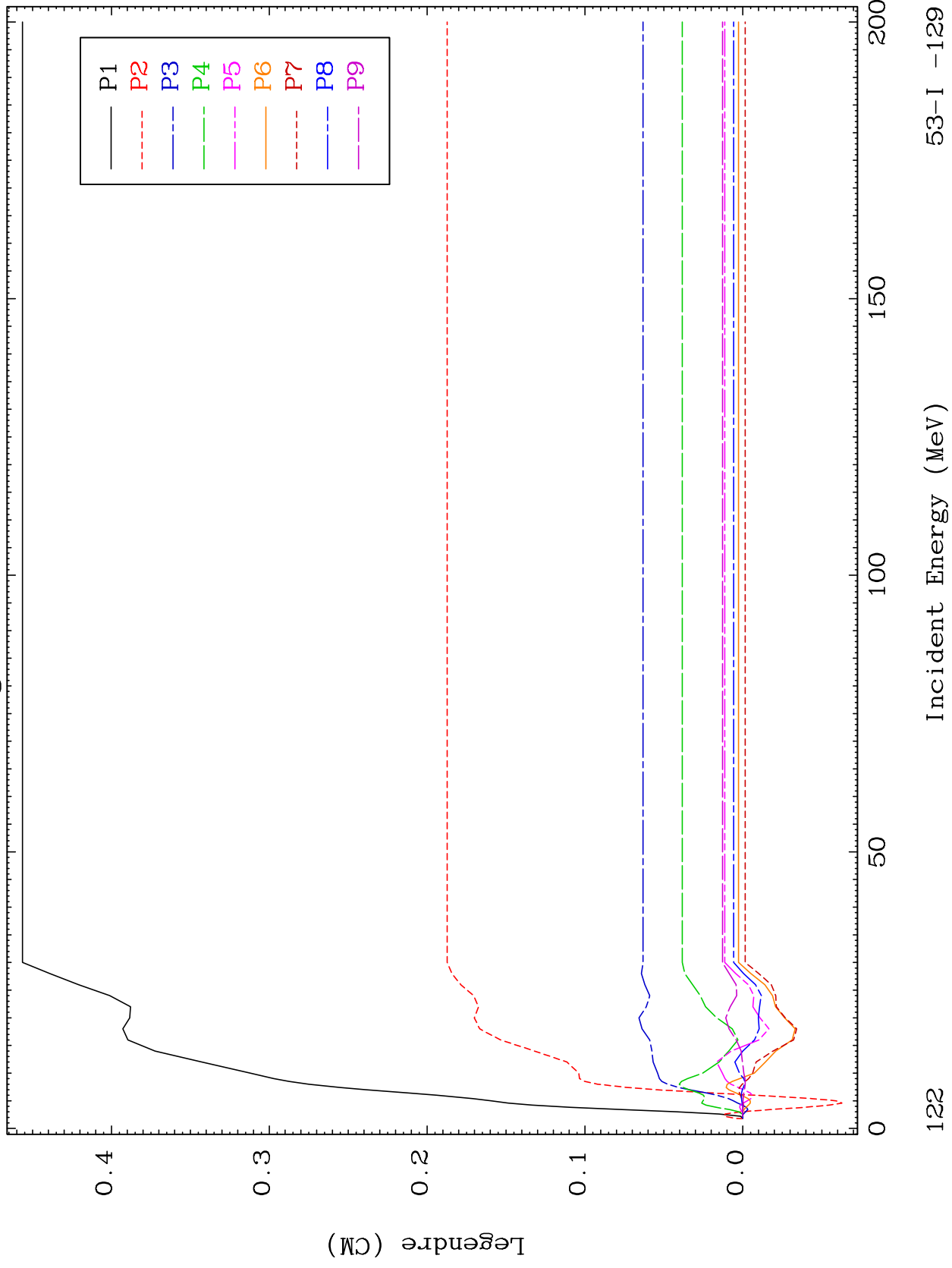




MAT 5331

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

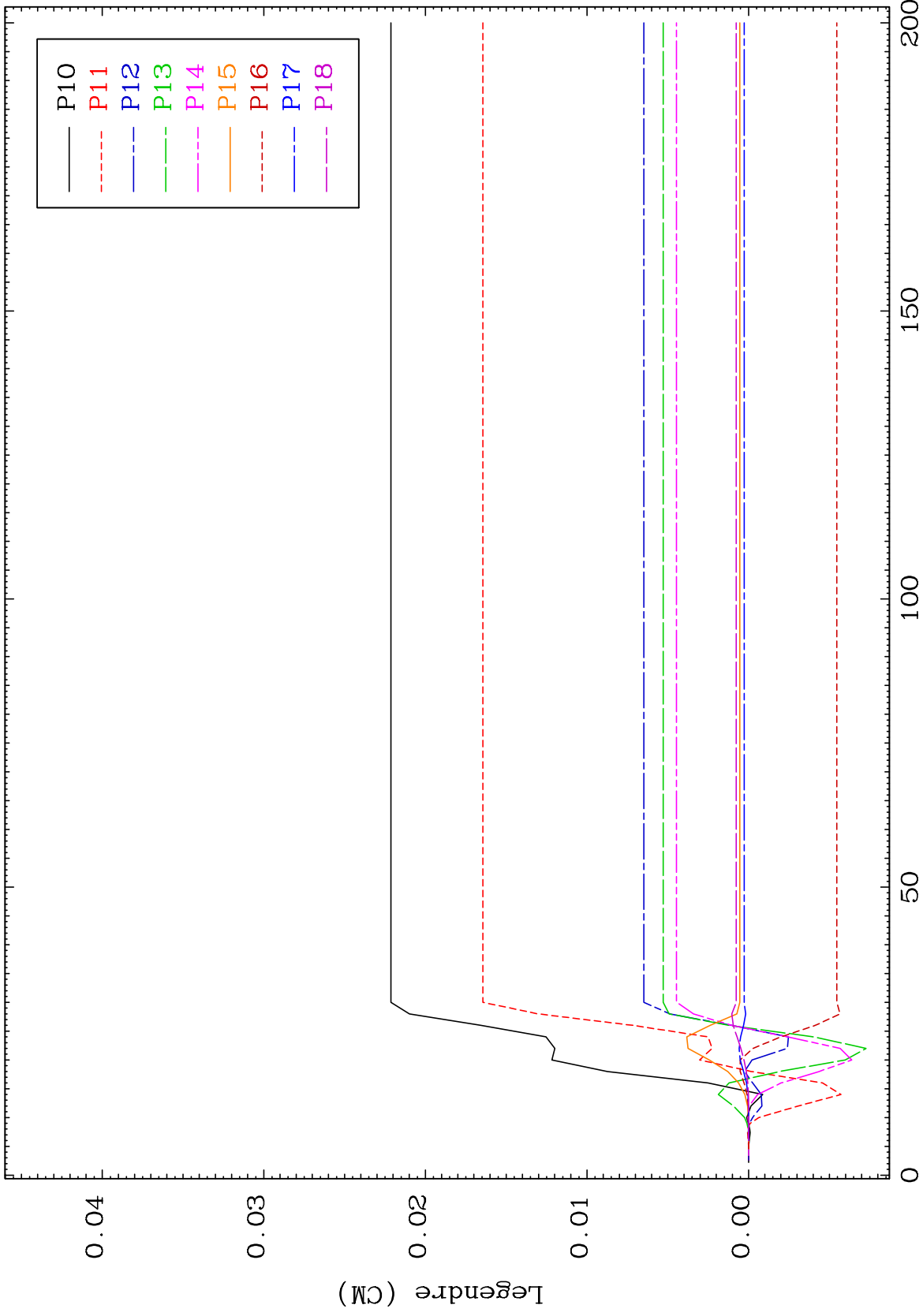
53-I -129

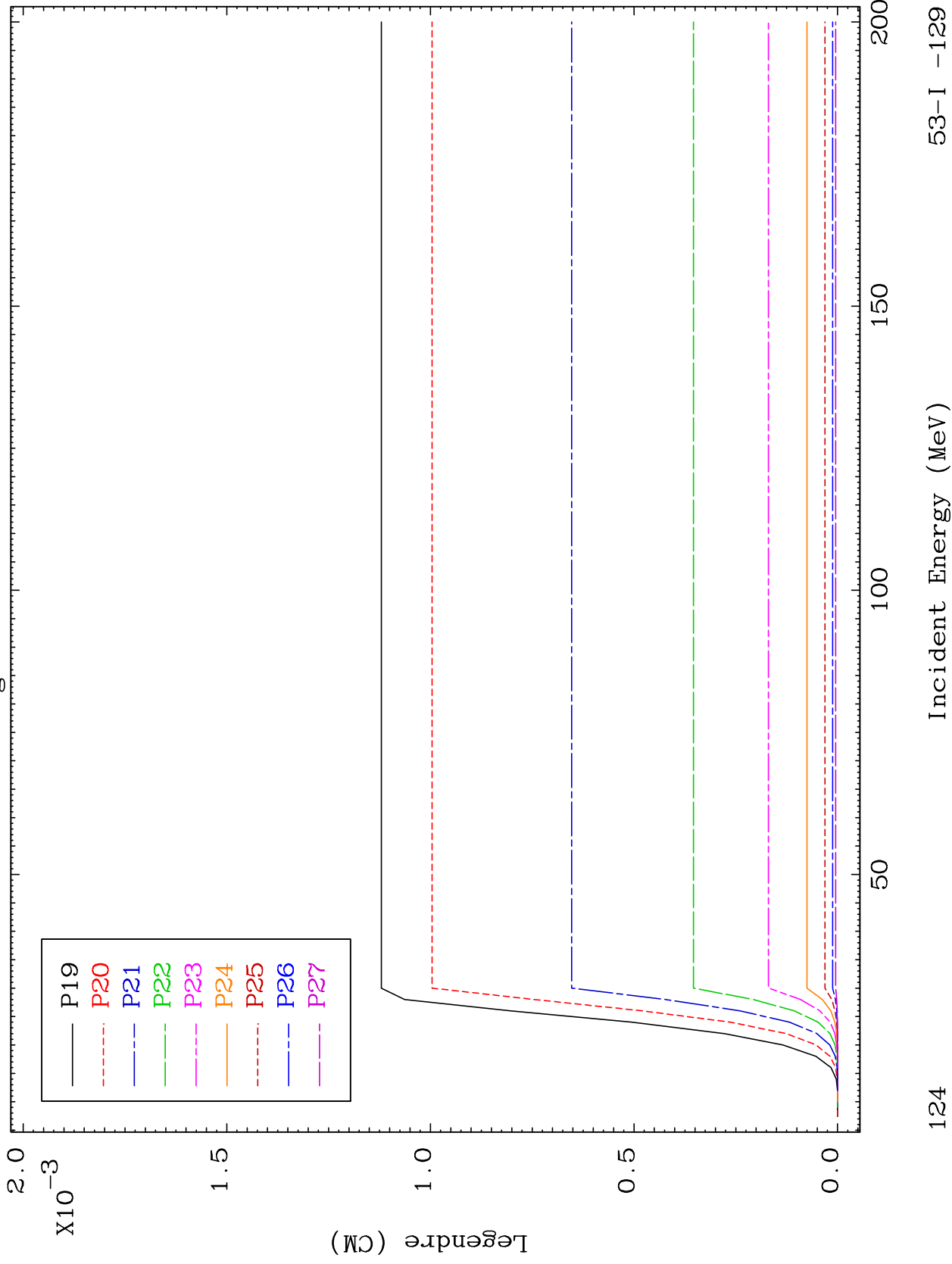


53-I -129

Incident Energy (MeV)

122

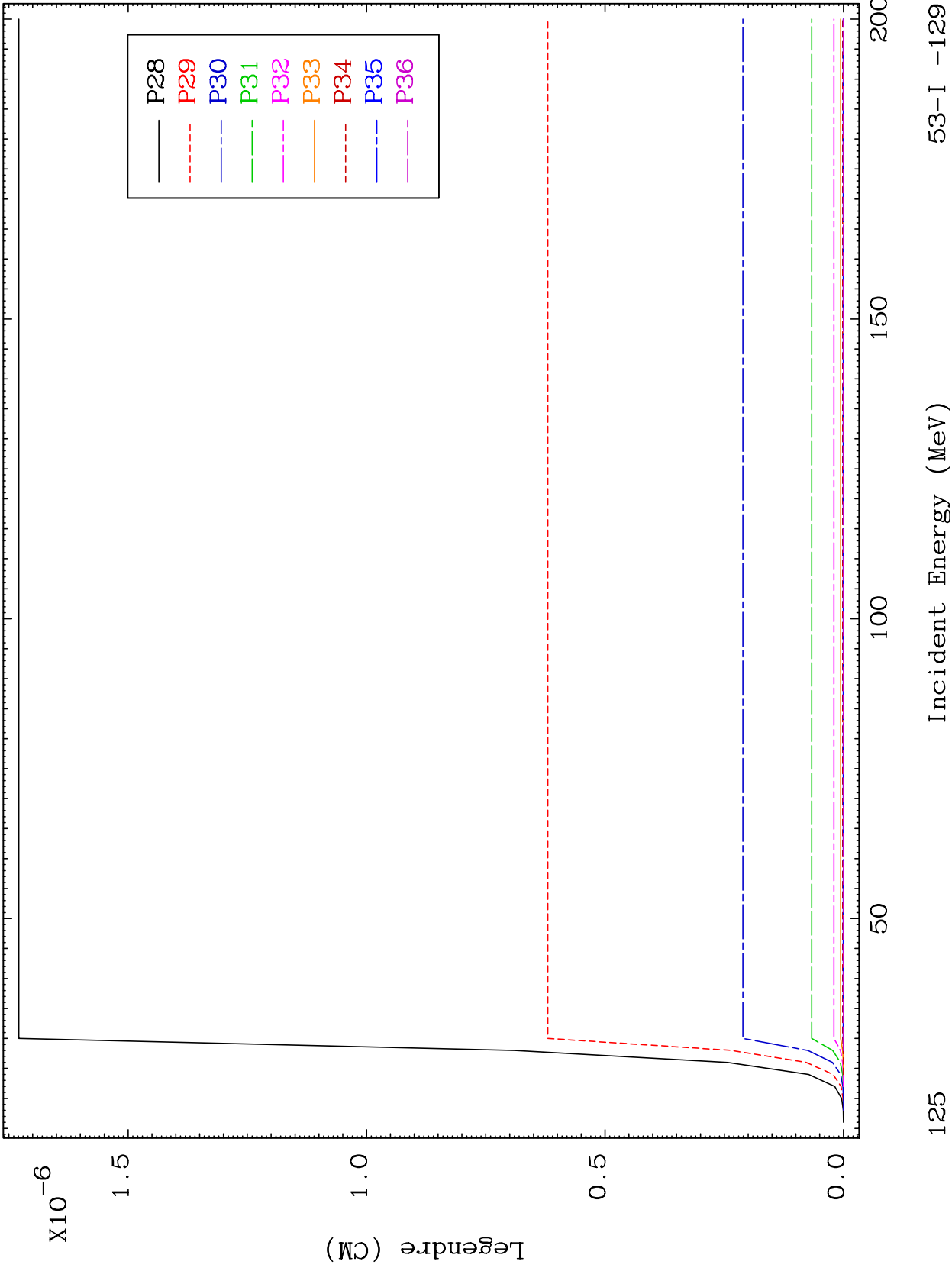




MAT 5331

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

53-I -129

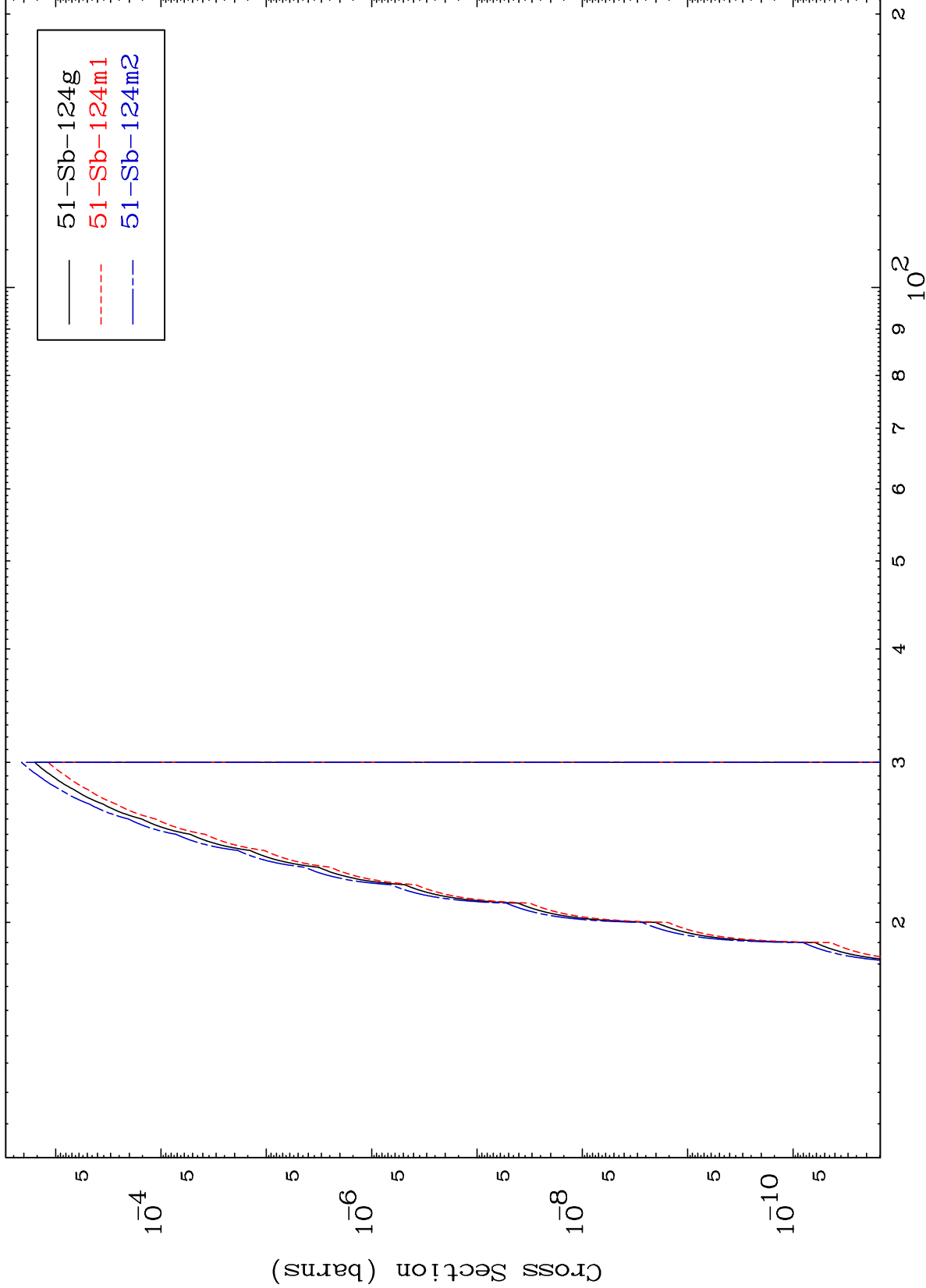


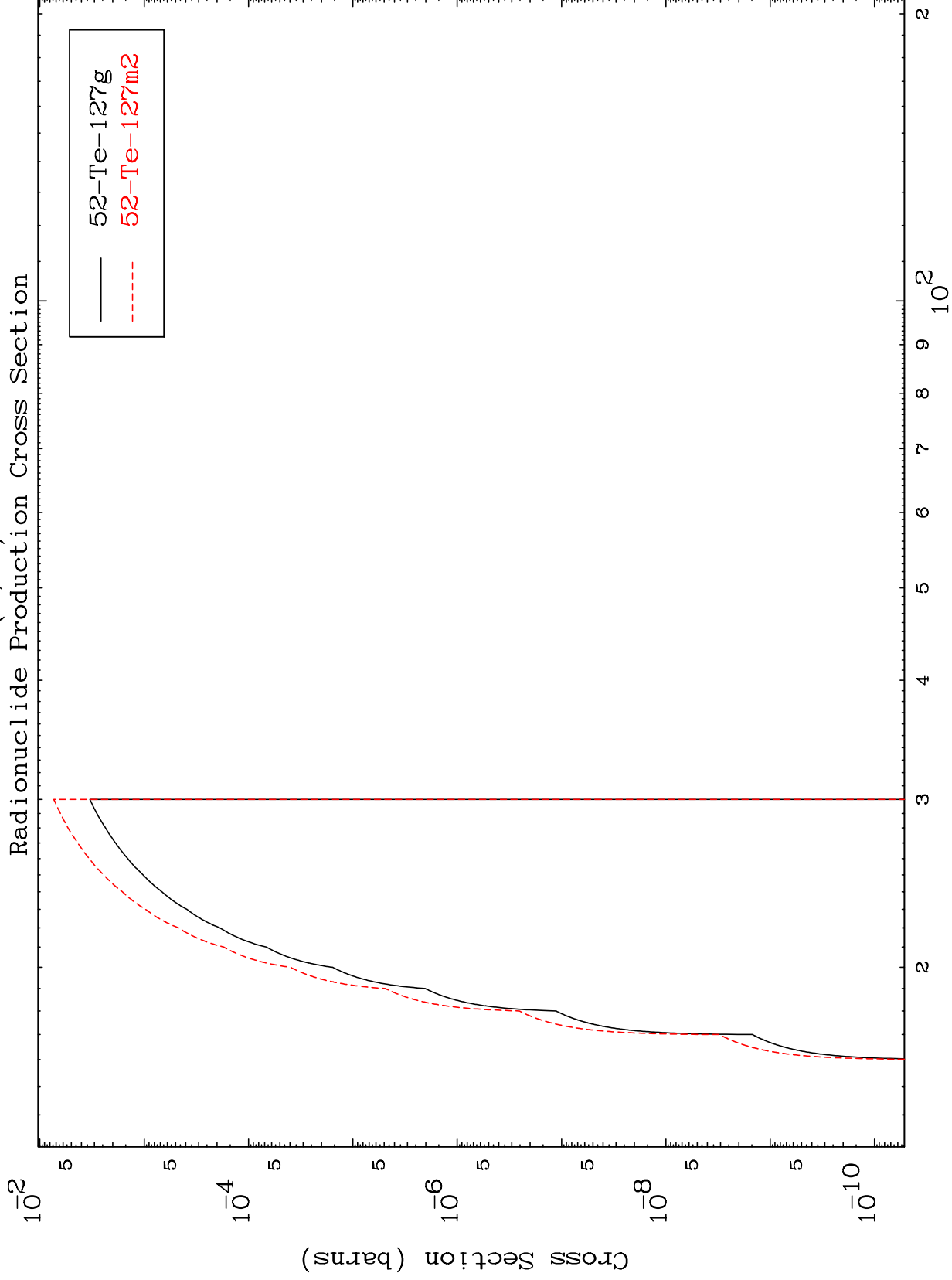
125

Incident Energy (MeV)

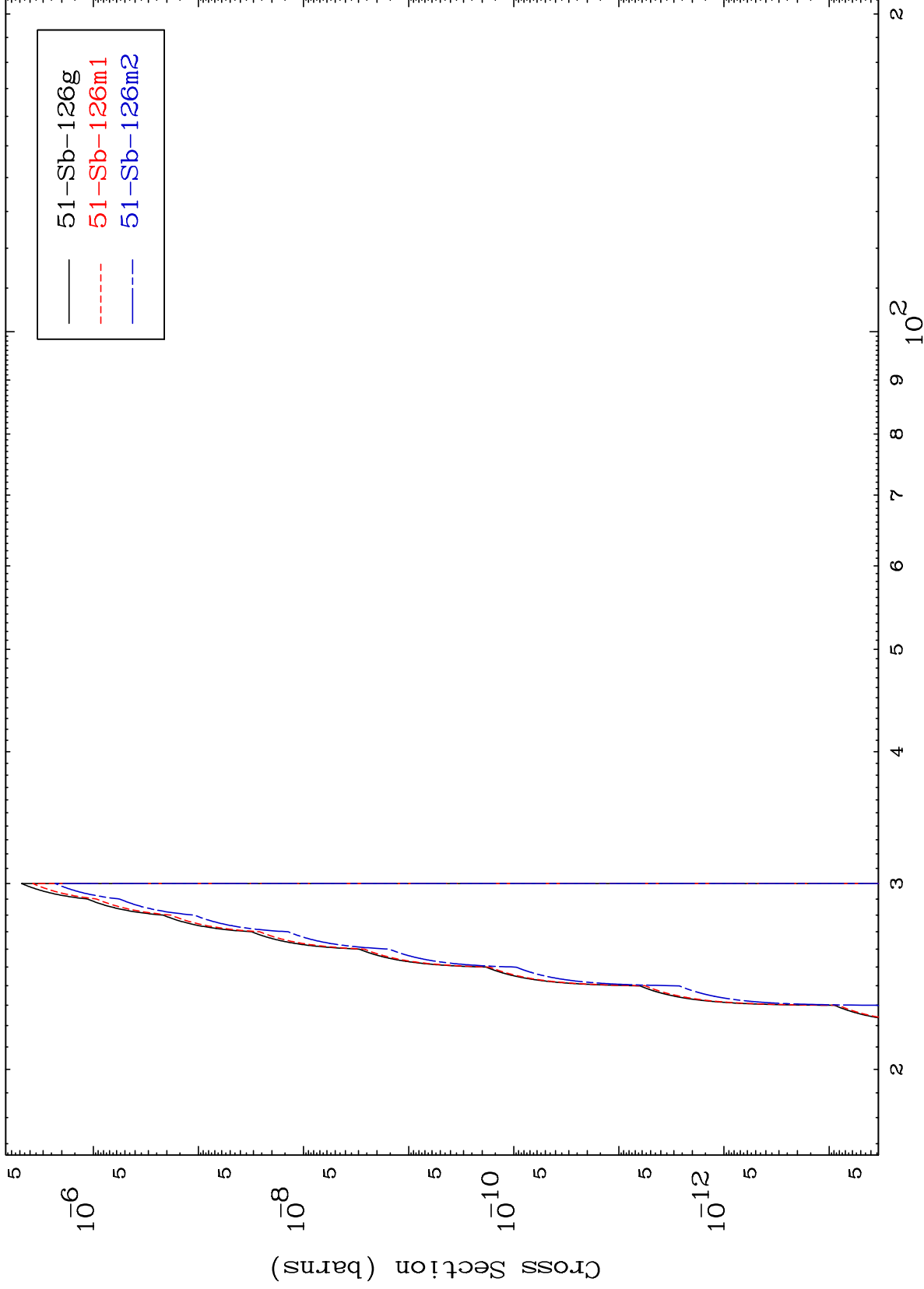
53-I -129

Radionuclide Production Cross Section

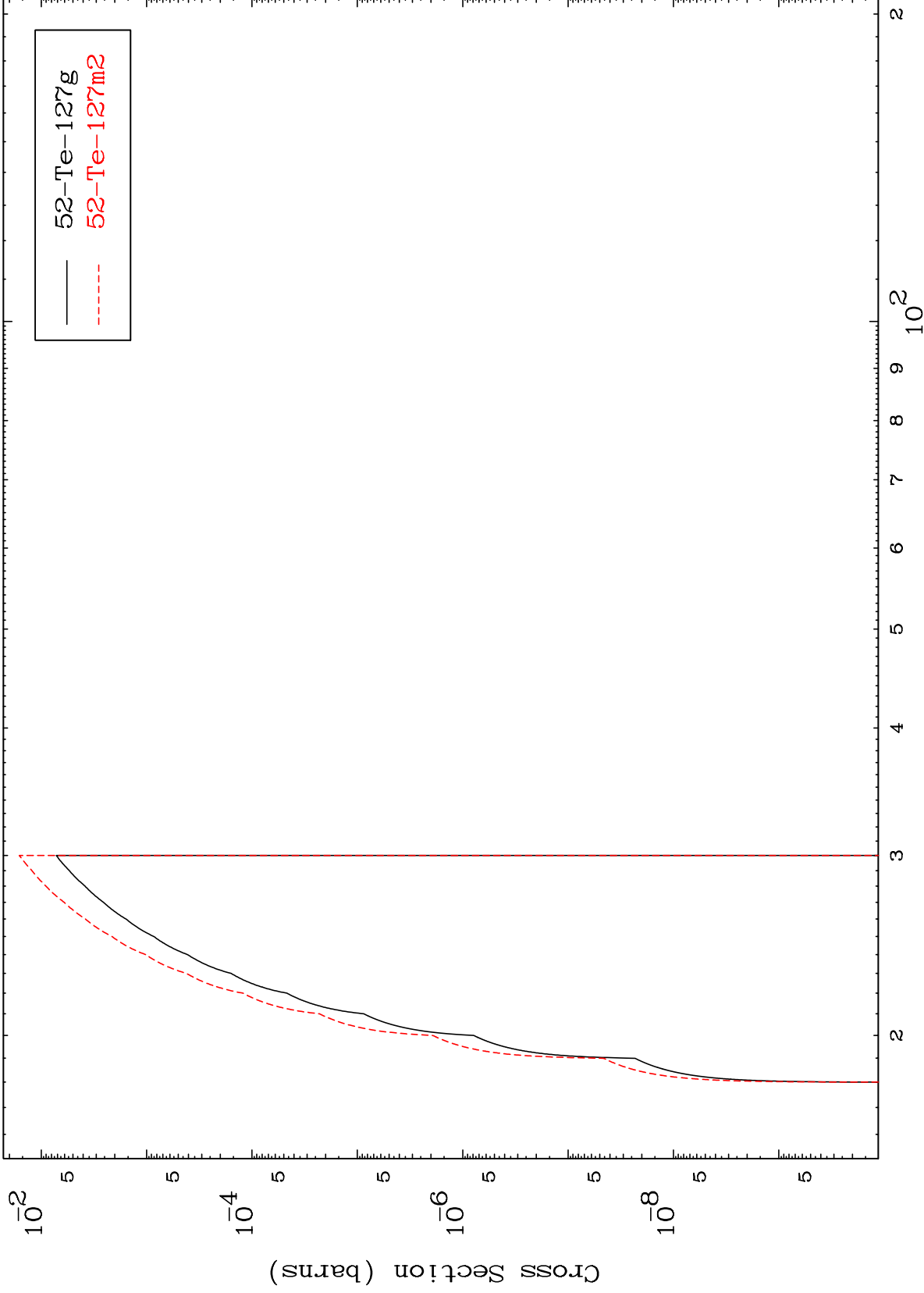




Radionuclide Production Cross Section



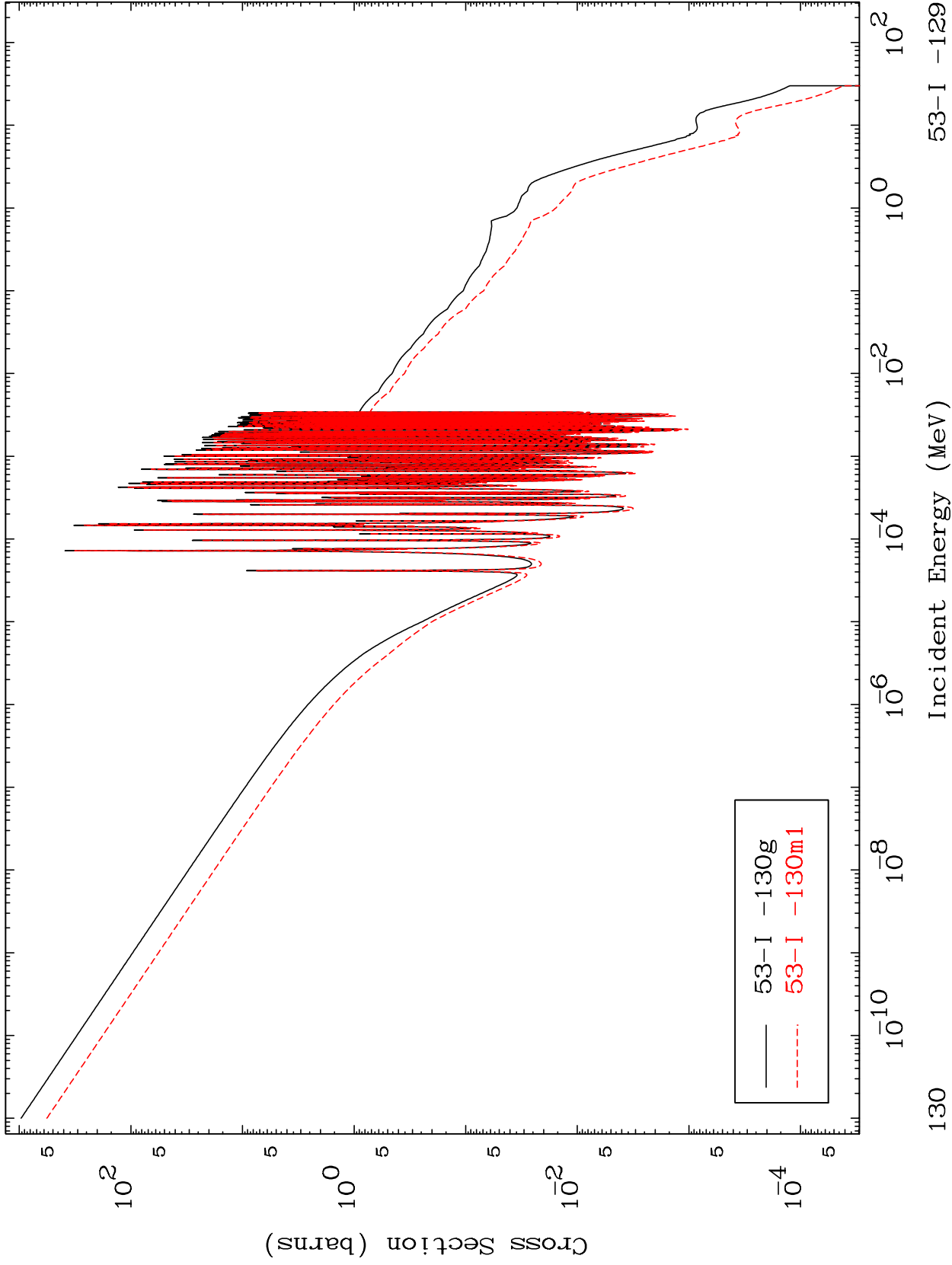
Radionuclide Production Cross Section



MAT 5331

53-I -129

(n,γ)
Radionuclide Production Cross Section

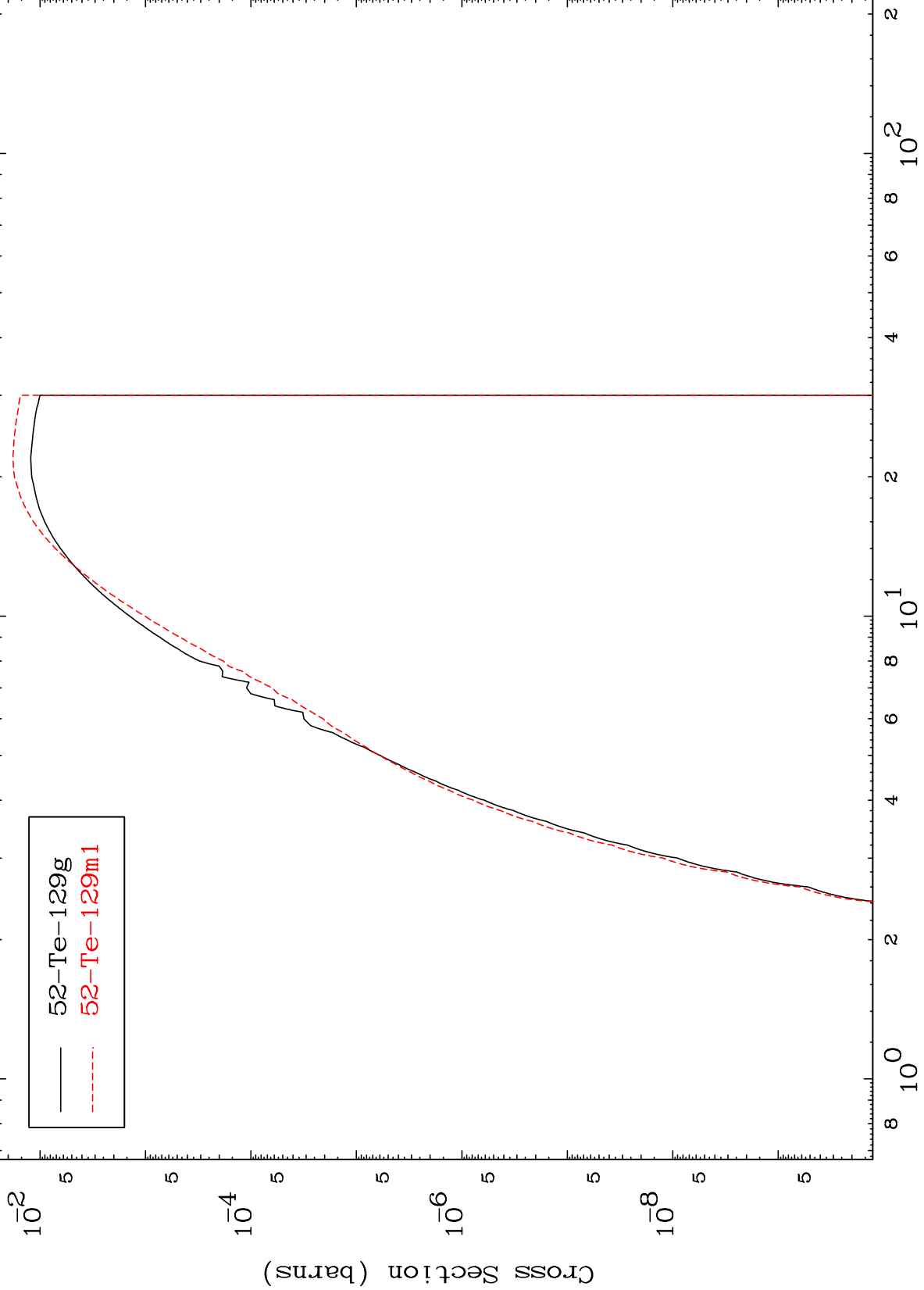


130

MAT 5331

53-I -129

(n,p)
Radionuclide Production Cross Section



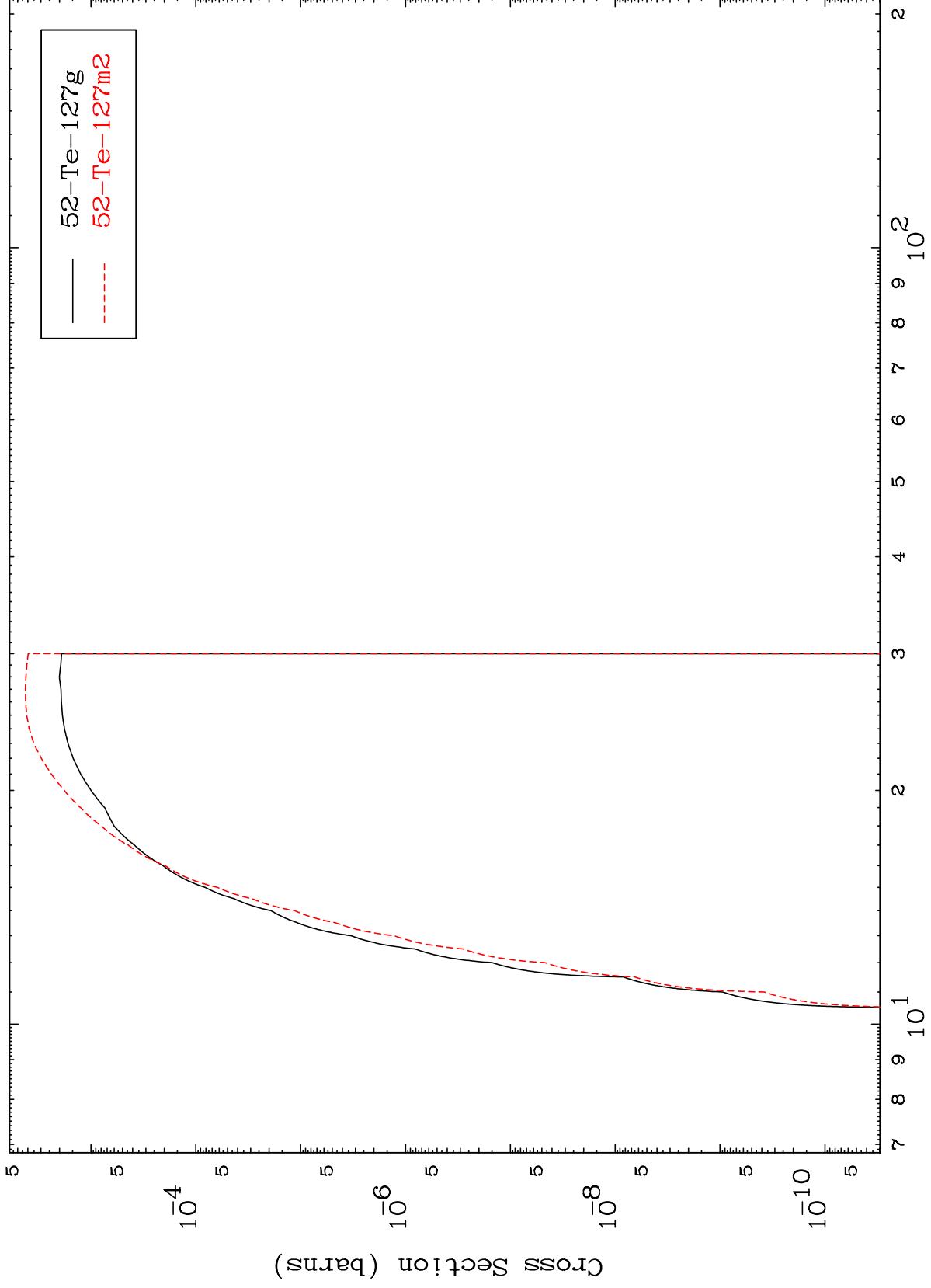
— 52-Te-129g
- - - 52-Te-129m1

131

Incident Energy (MeV)

53-I -129

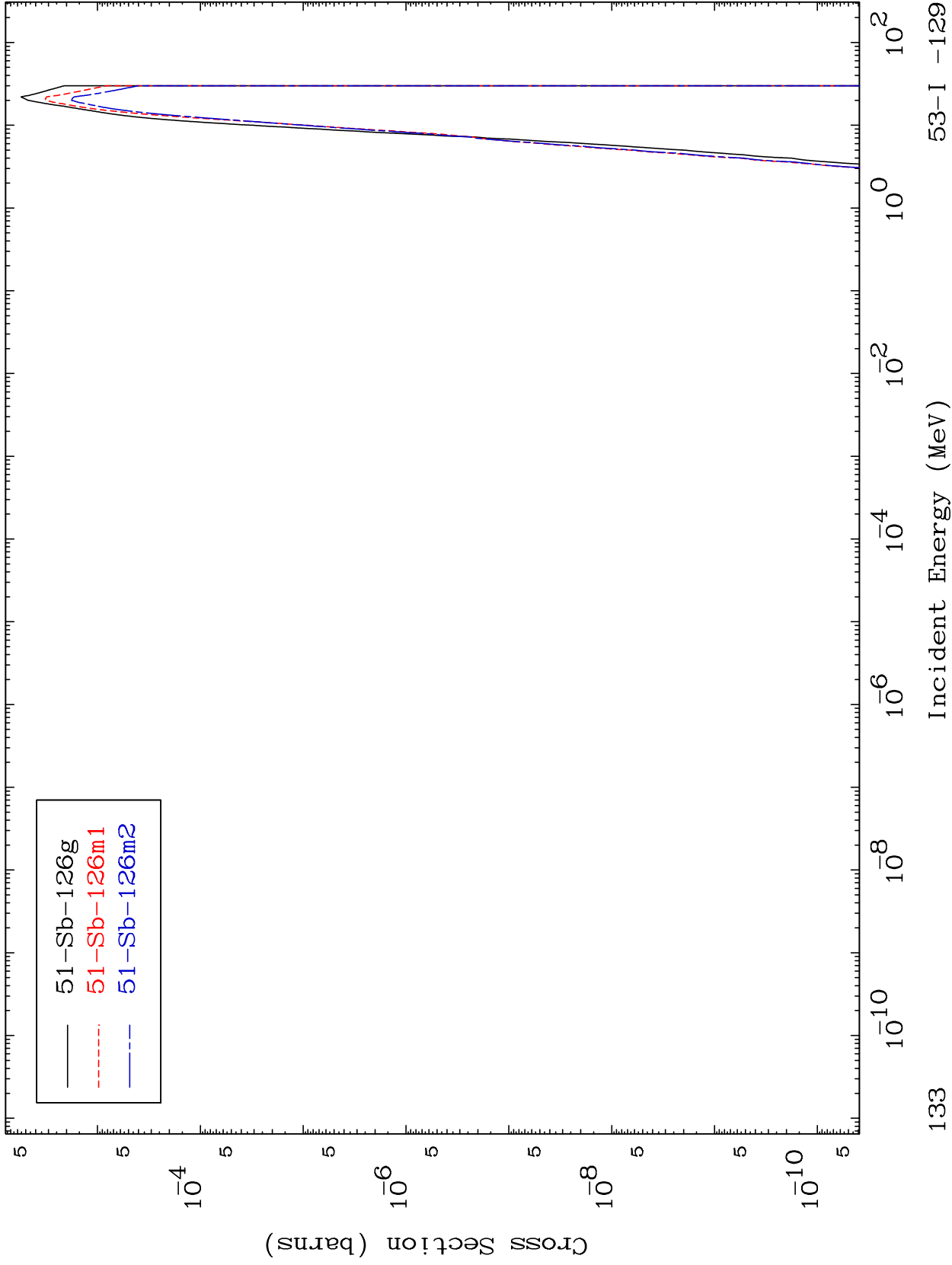
(n,t)
Radionuclide Production Cross Section



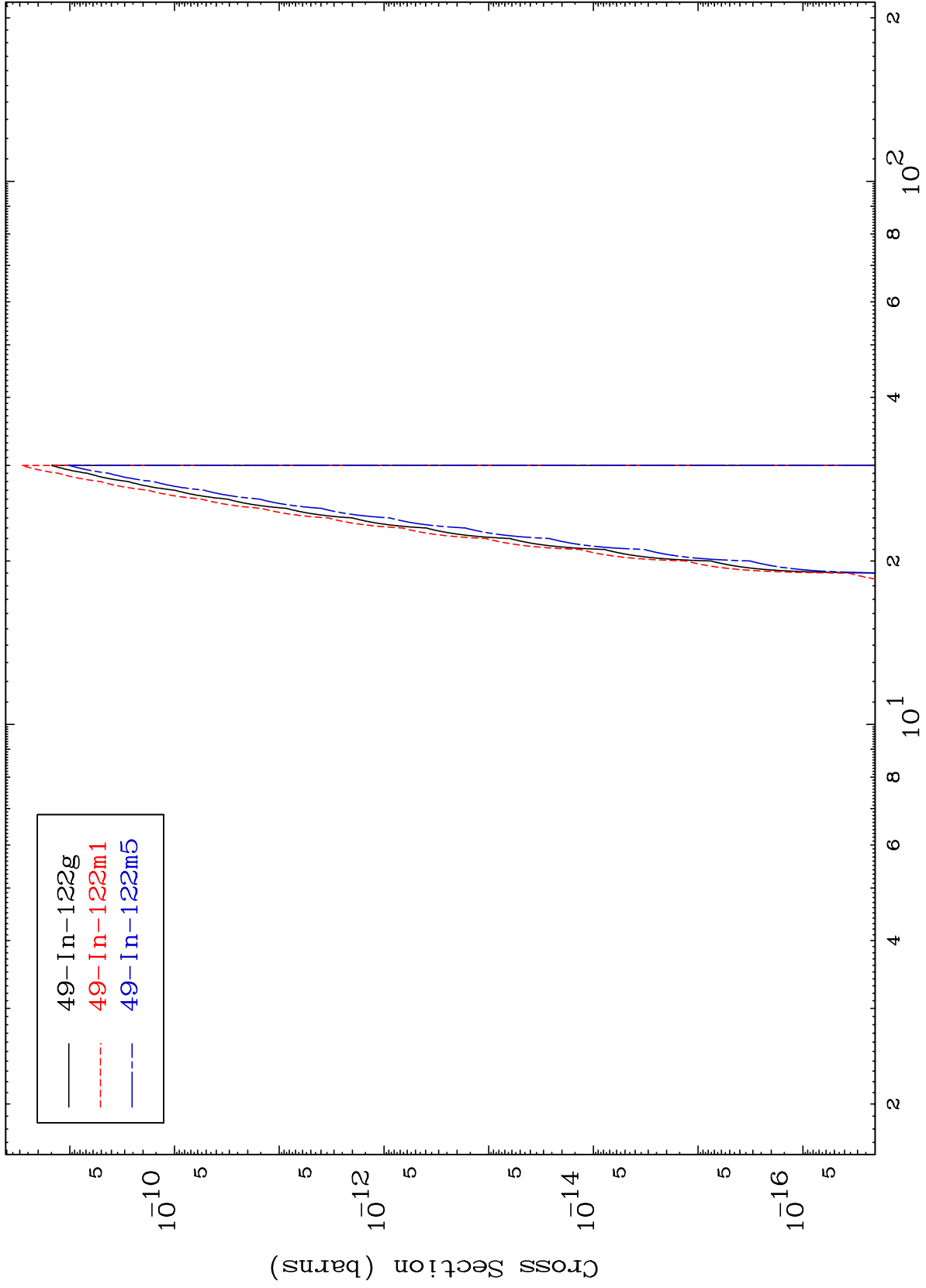
MAT 5331

53-I -129

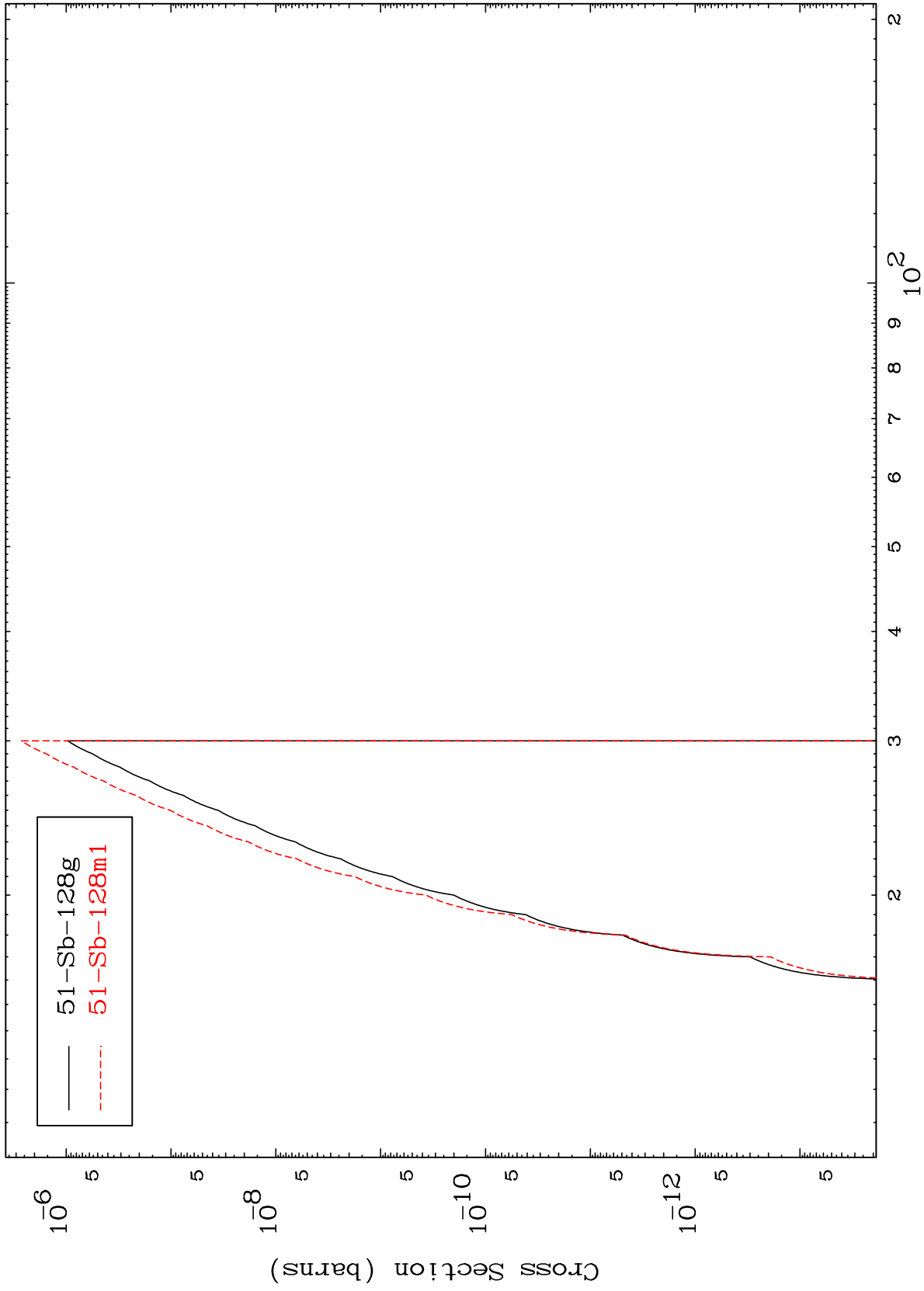
Radionuclide Production Cross Section



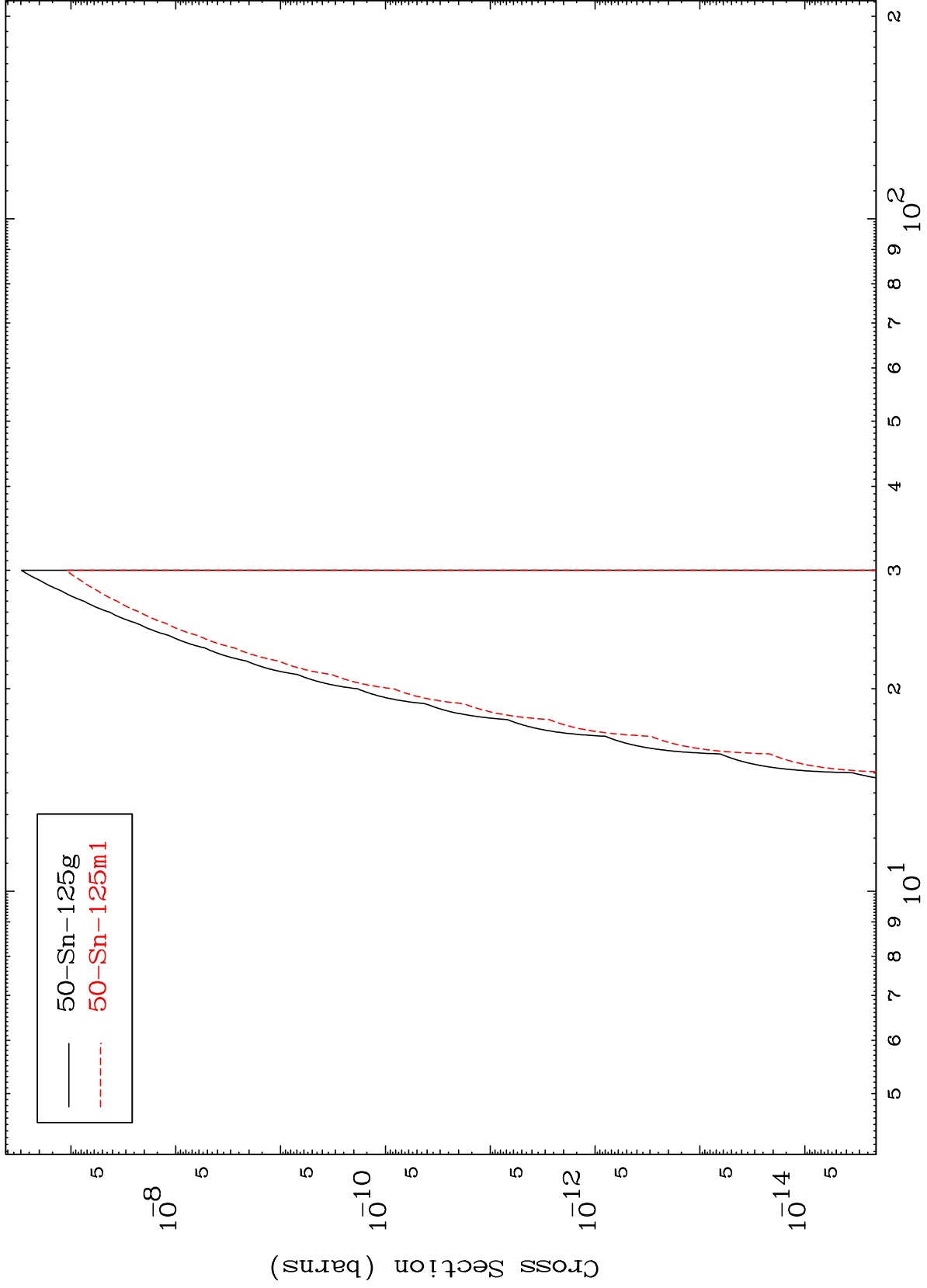
Radionuclide Production Cross Section
(n,2α)



(n,2p)
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

