

Program EVALPLOT  
(Version 2021-1)

by

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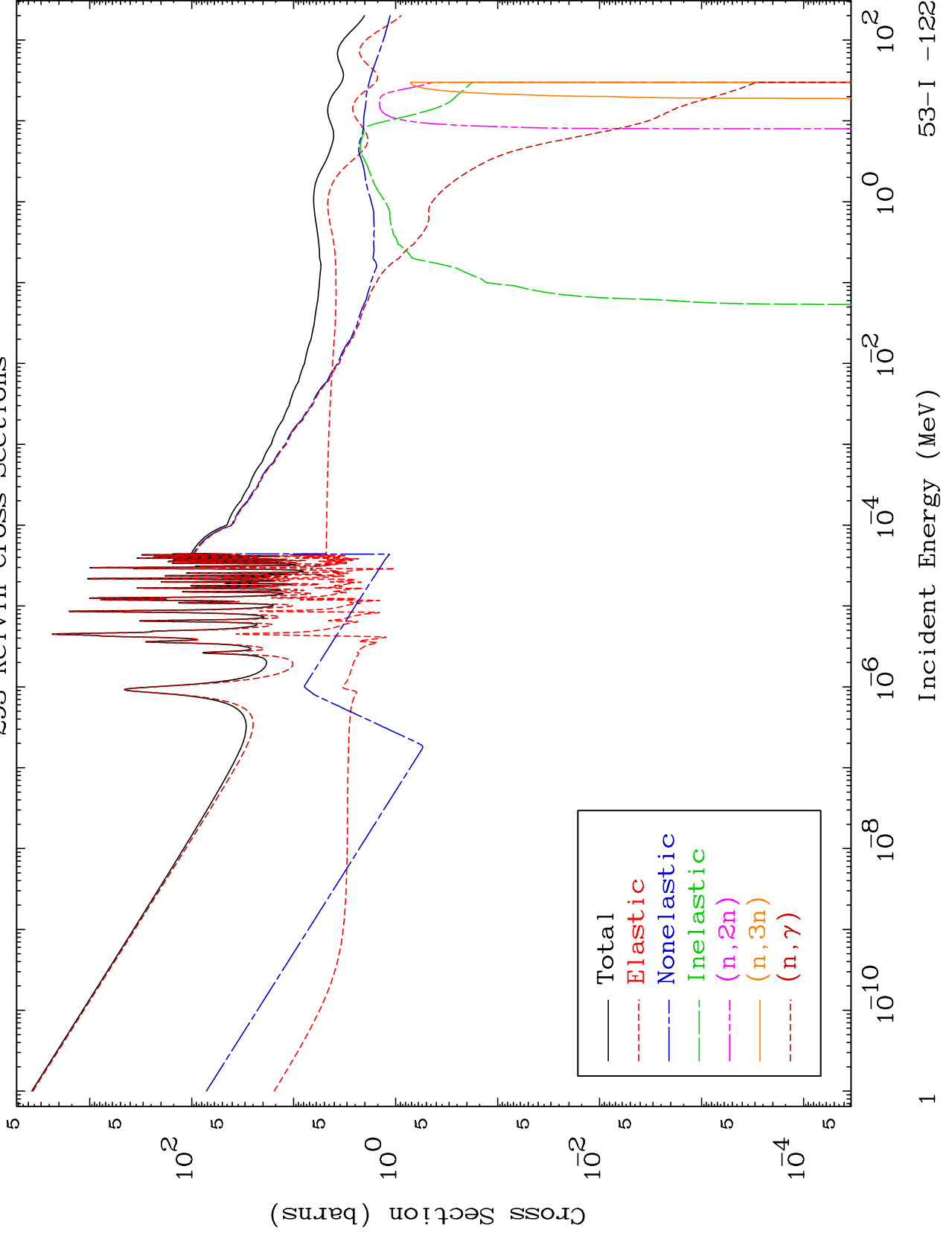
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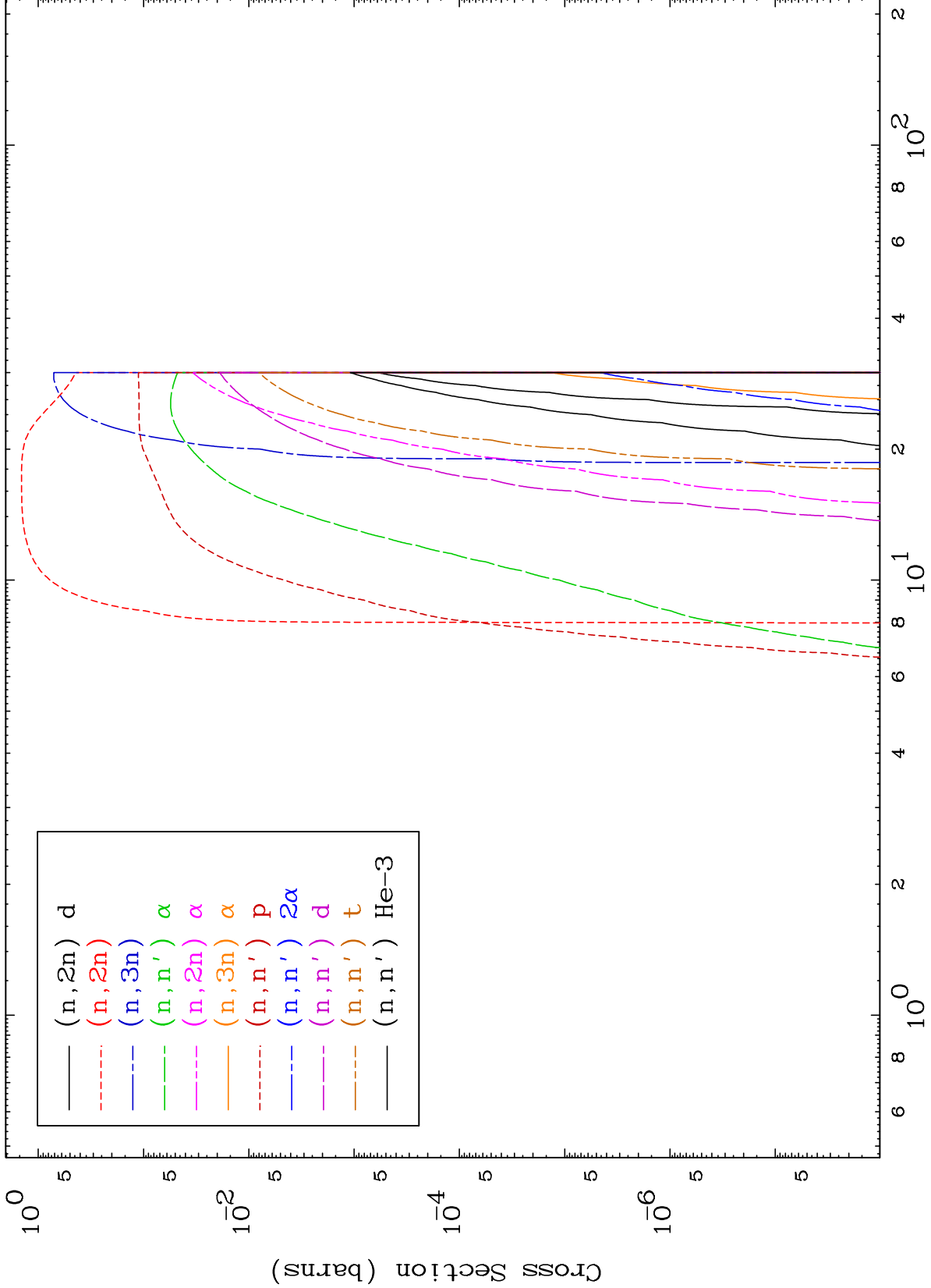
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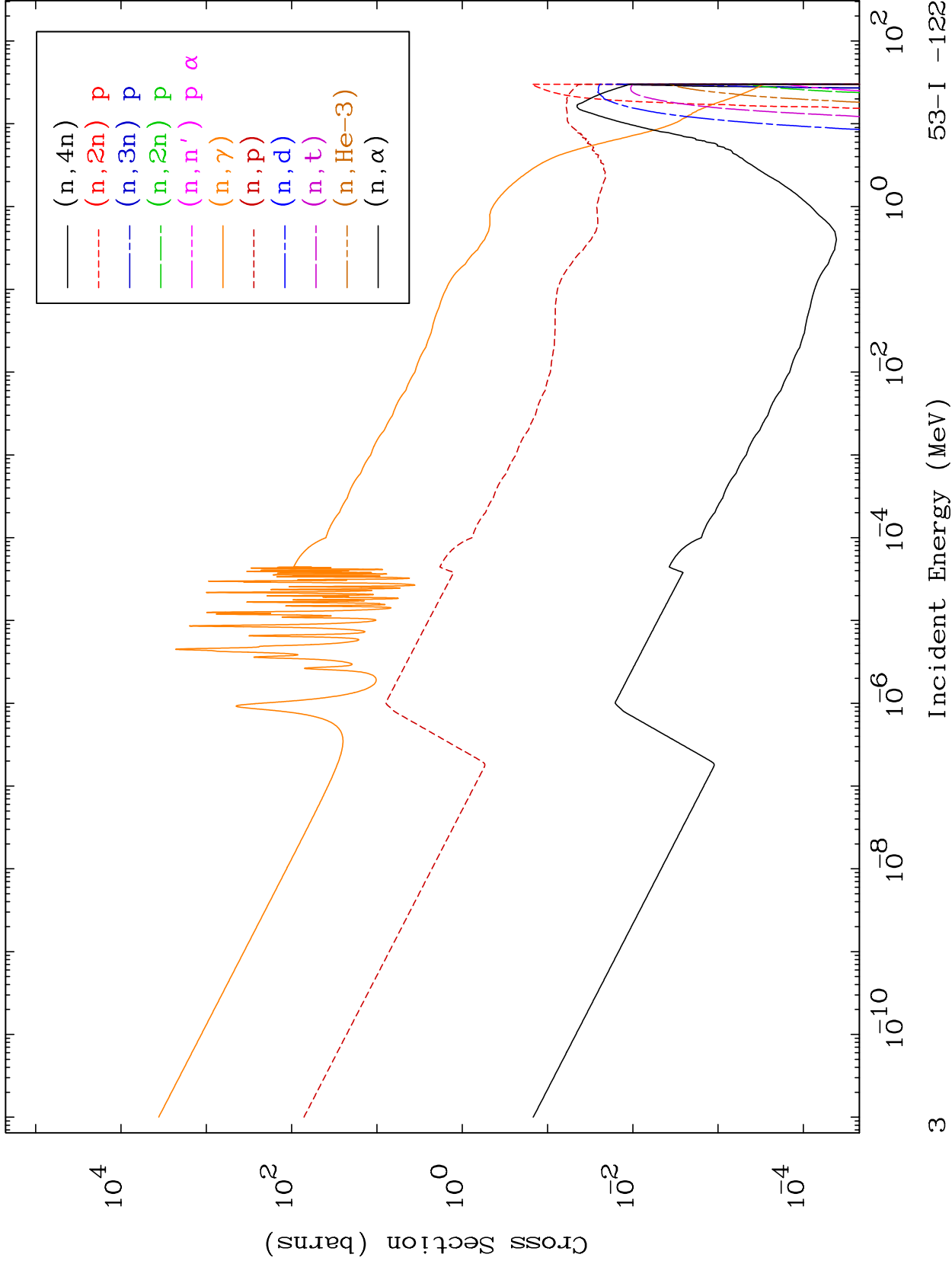
MAT 5310

Neutron Major  
293 Kelvin Cross Sections

53-I -122



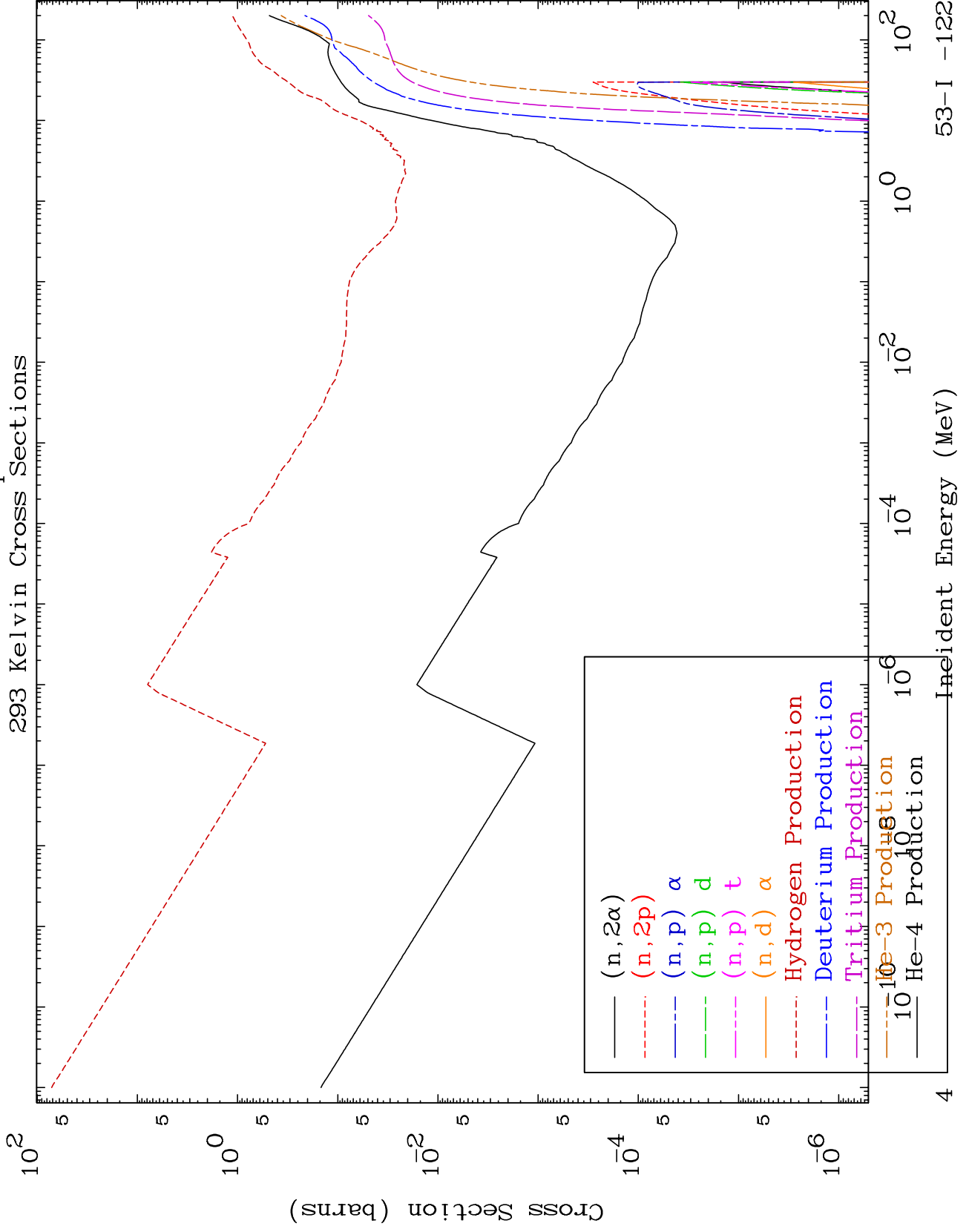




MAT 5310

Neutron Absorption  
293 Kelvin Cross Sections

53-I -122



53-I -122

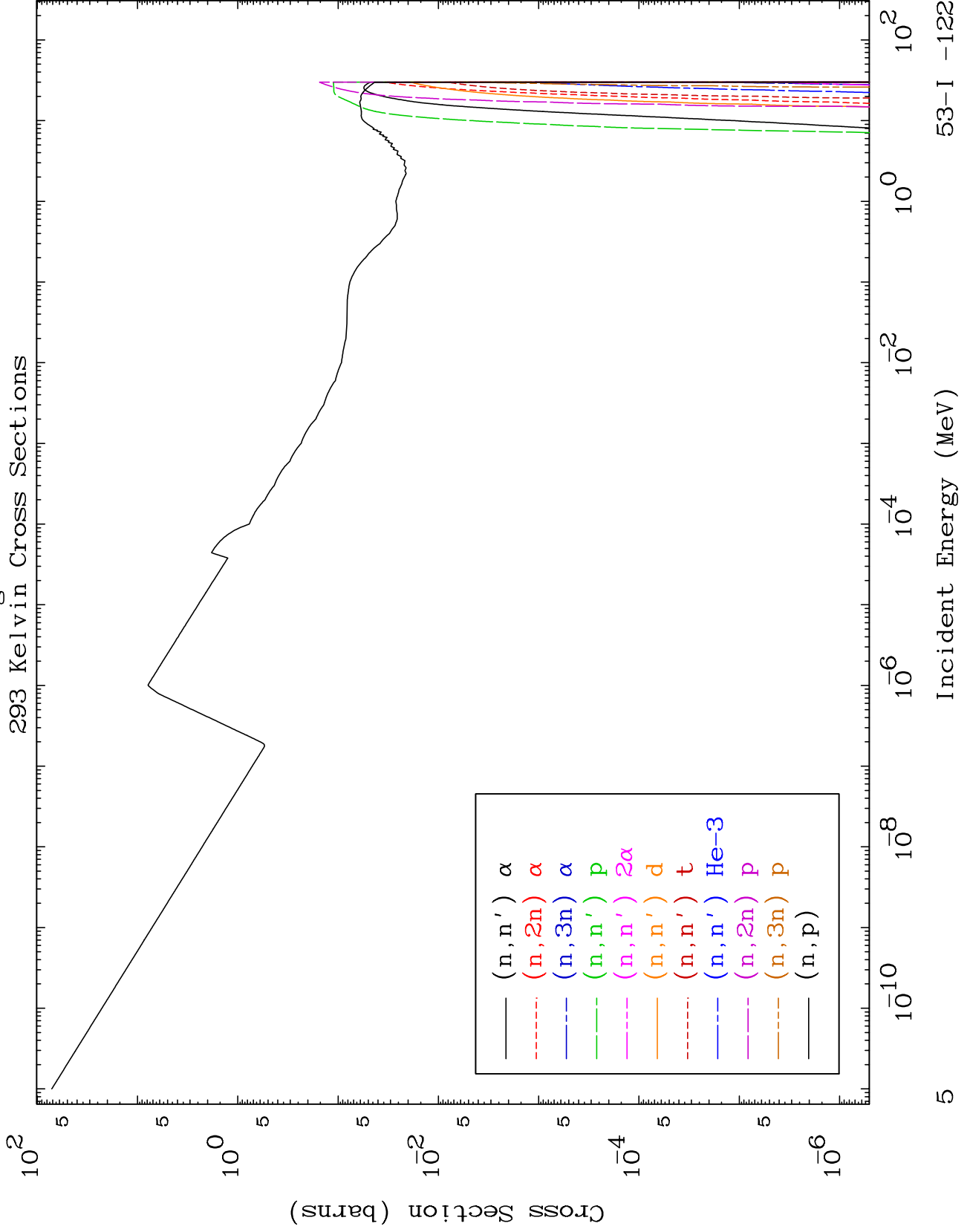
Incident Energy (MeV)

4

MAT 5310

Charged Particle  
293 Kelvin Cross Sections

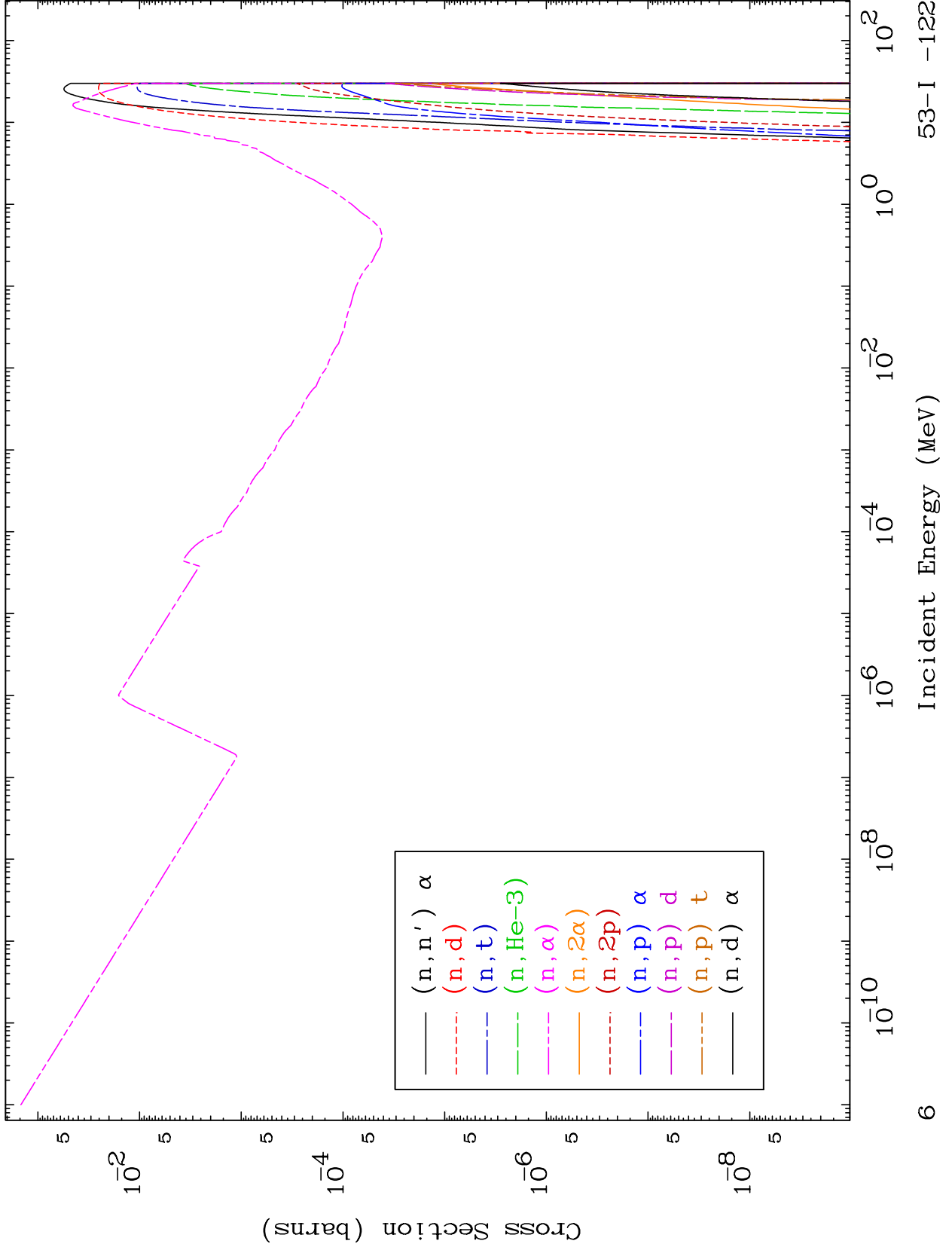
53-I -122

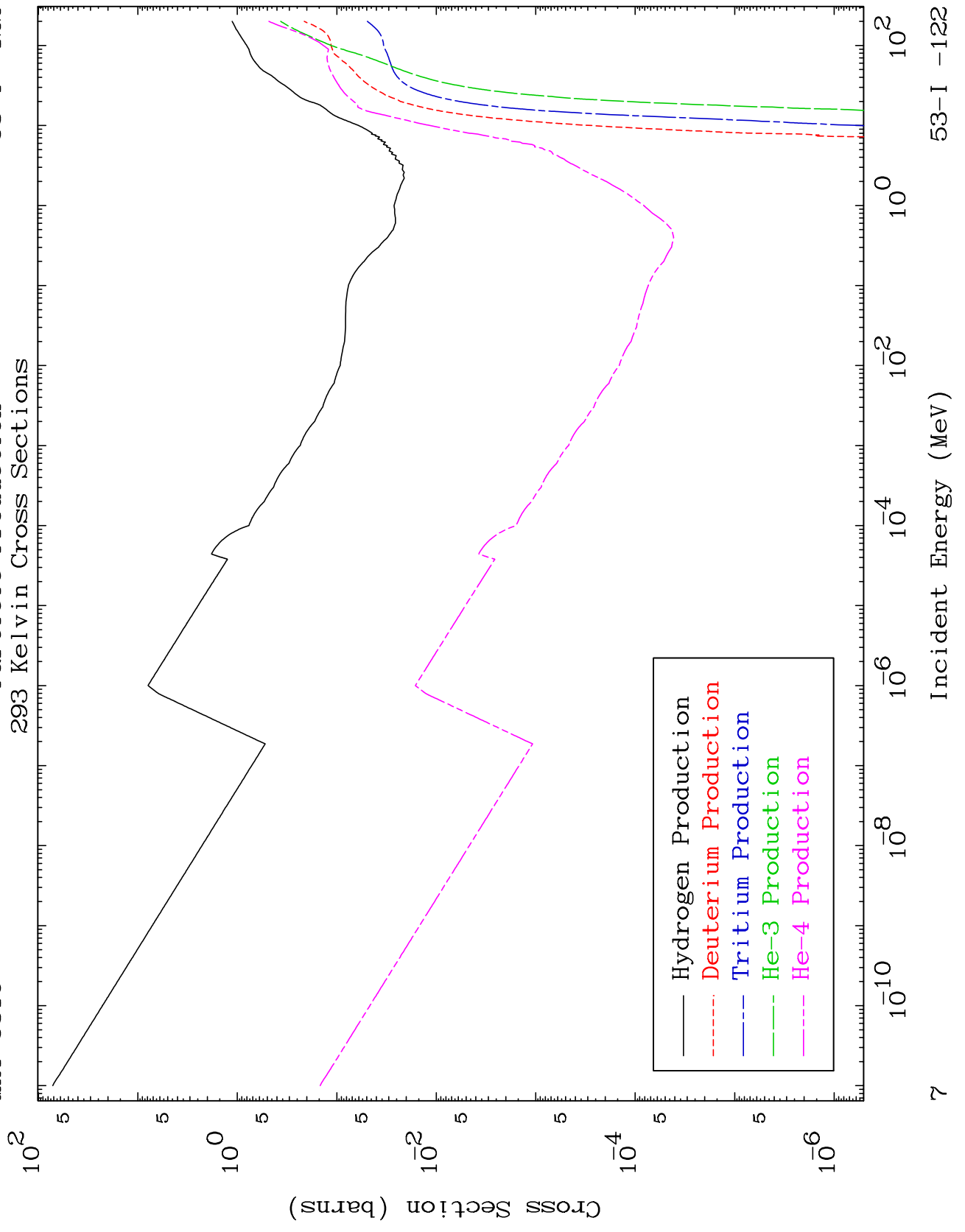


MAT 5310

Charged Particle  
293 Kelvin Cross Sections

53-I -122



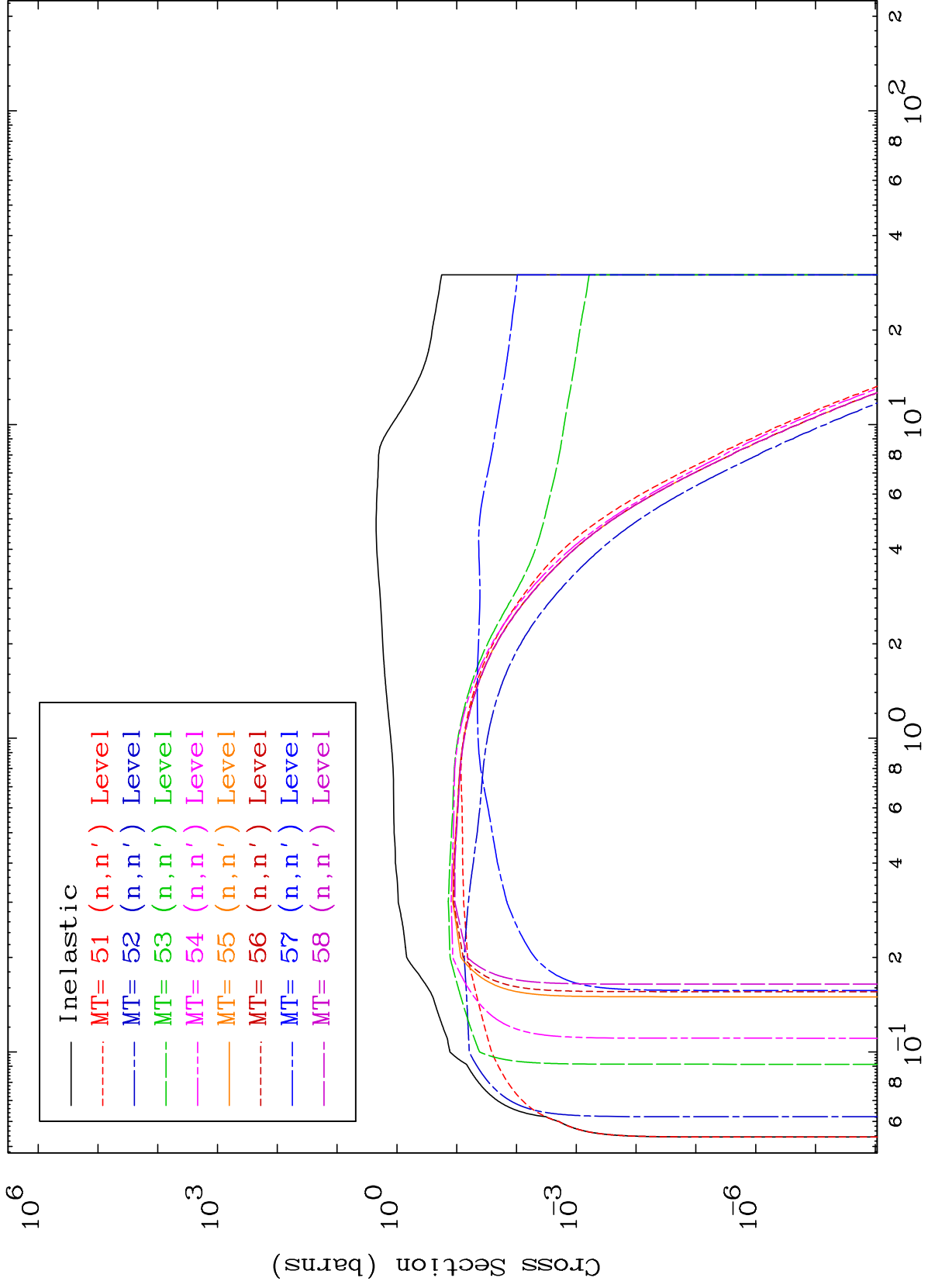


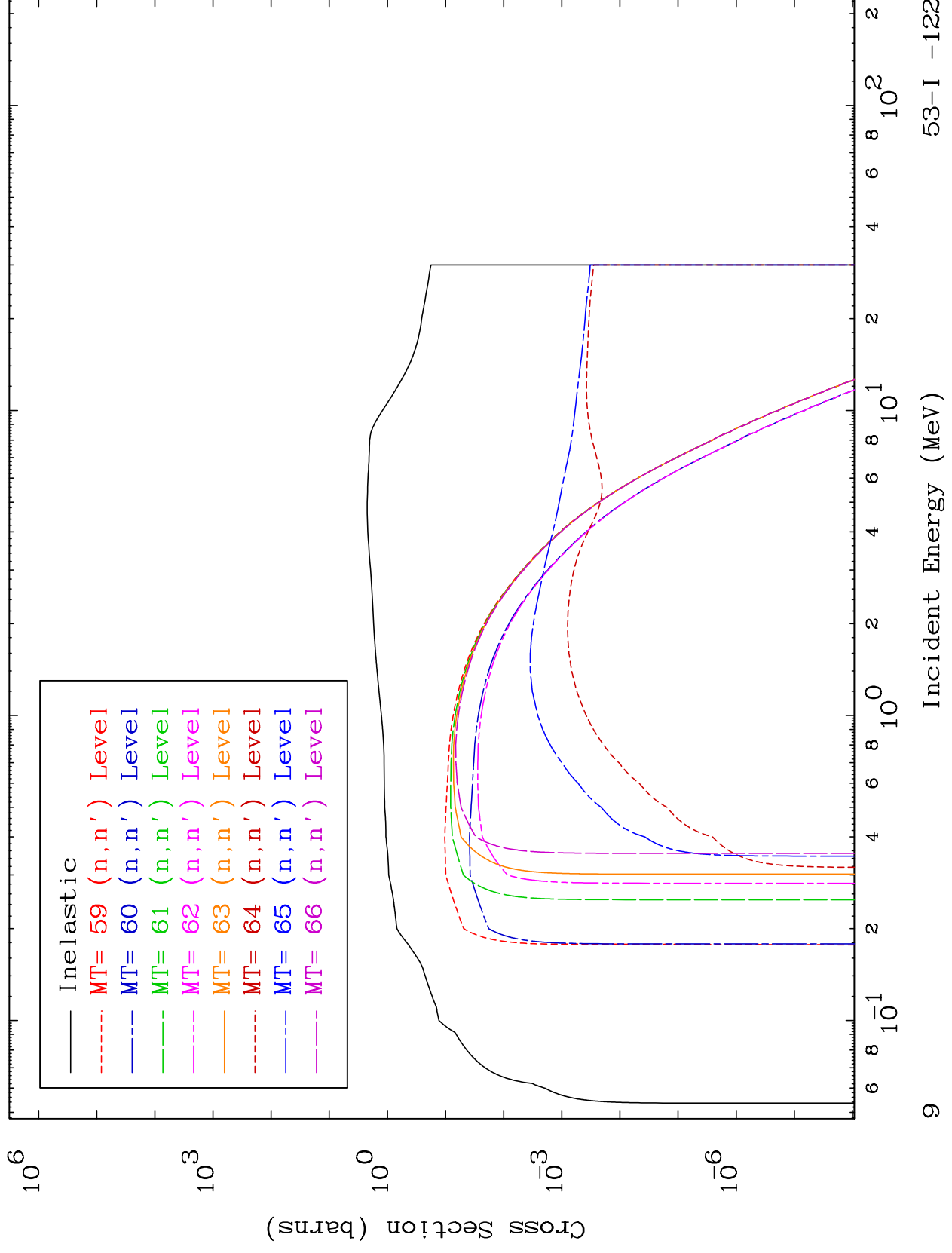


MAT 5310

(n,n') Levels  
293 Kelvin Cross Sections

53-I -122

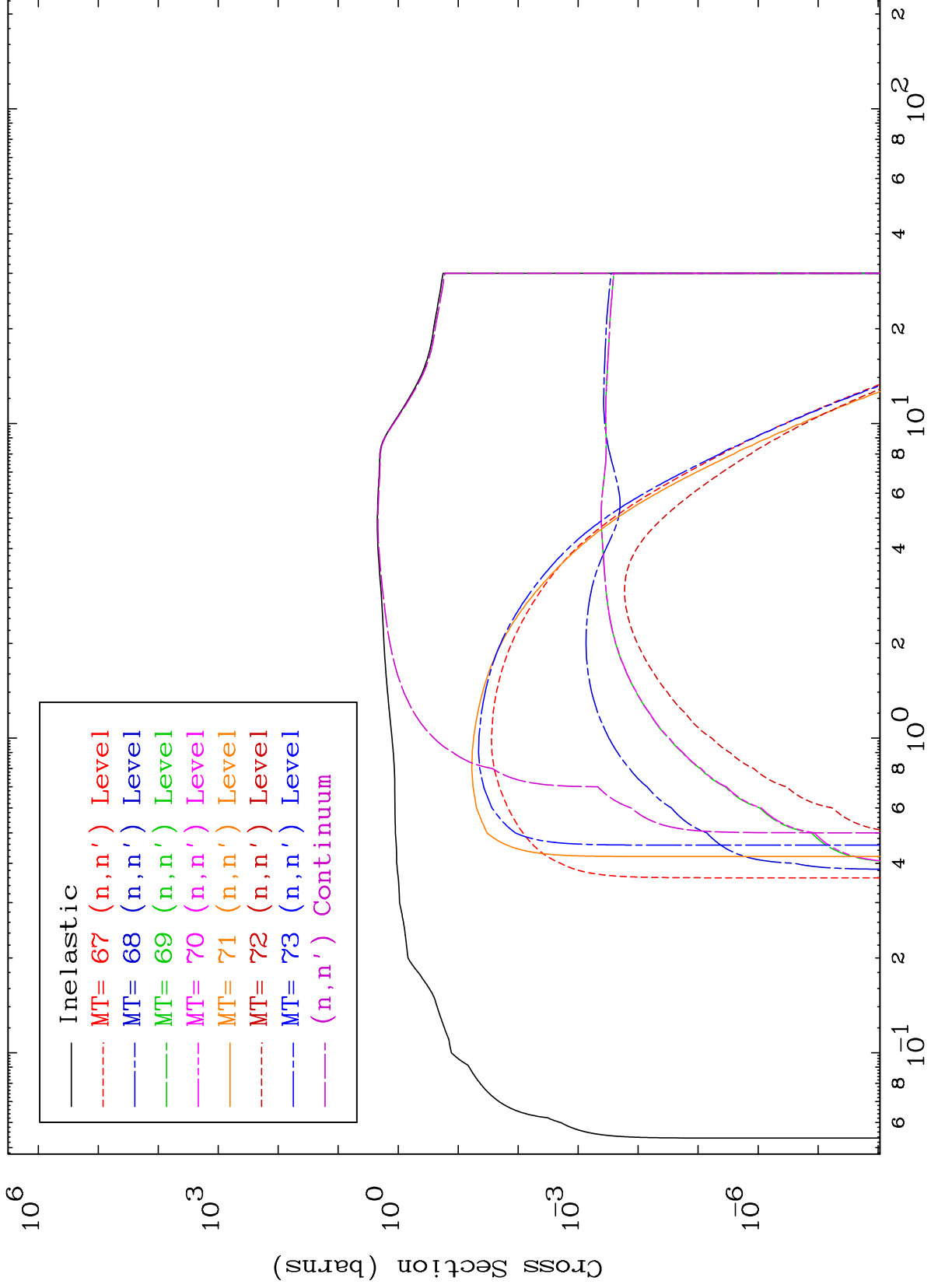




MAT 5310

(n,n') Levels  
293 Kelvin Cross Sections

53-I -122



10

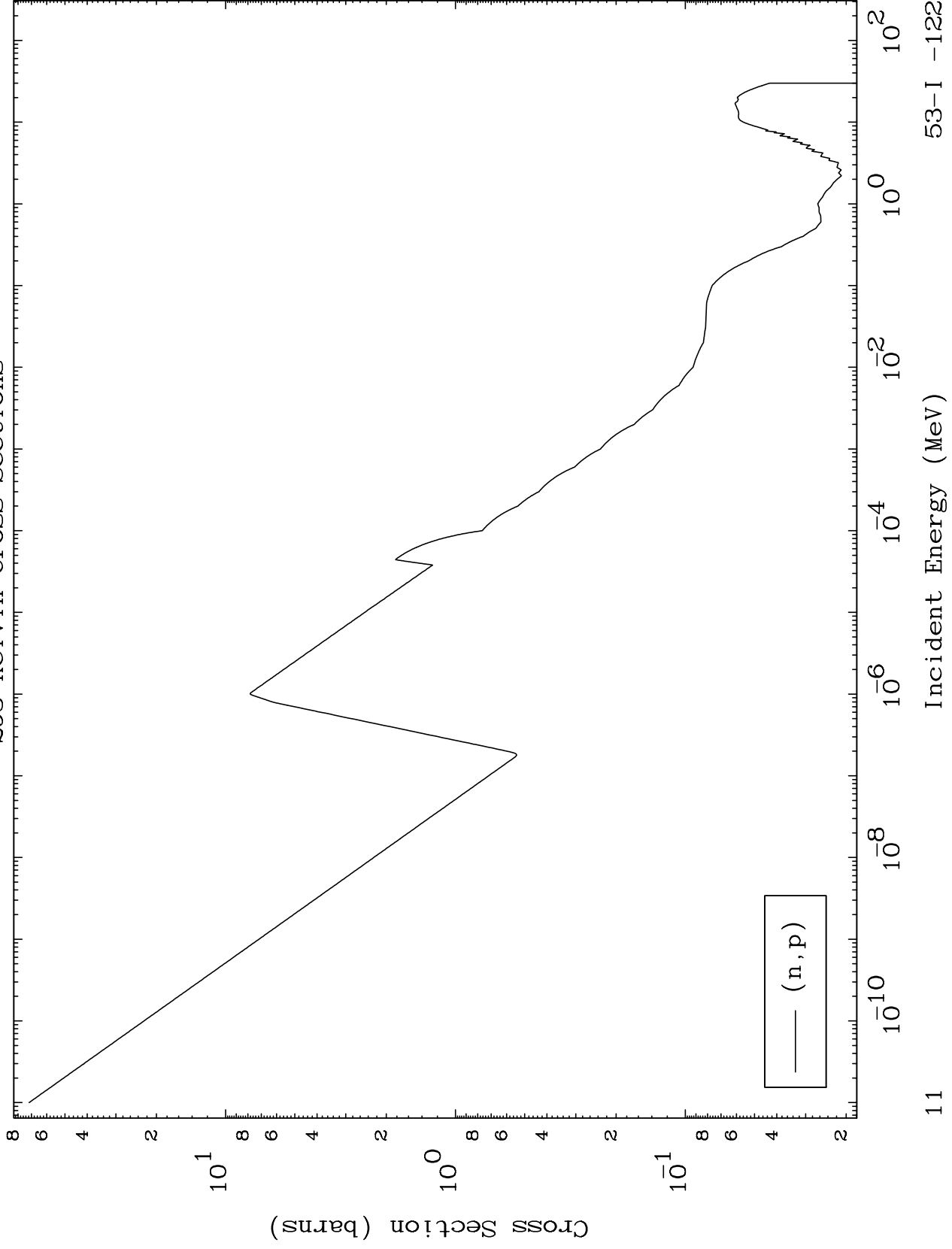
Incident Energy (MeV)

53-I -122

MAT 5310

(n,p) Levels  
293 Kelvin Cross Sections

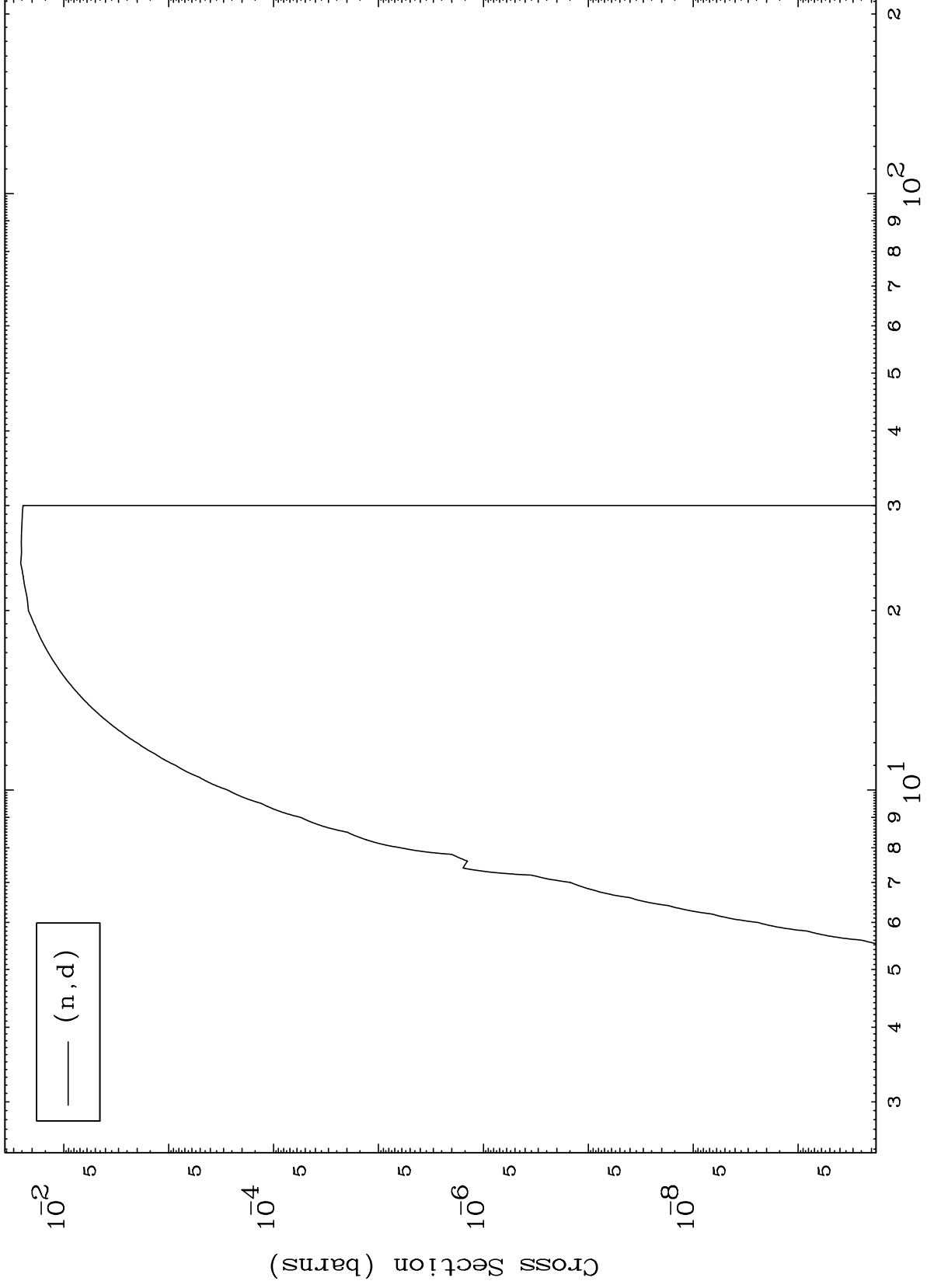
53-I -122



MAT 5310

(n,d) Levels  
293 Kelvin Cross Sections

53-I -122



12

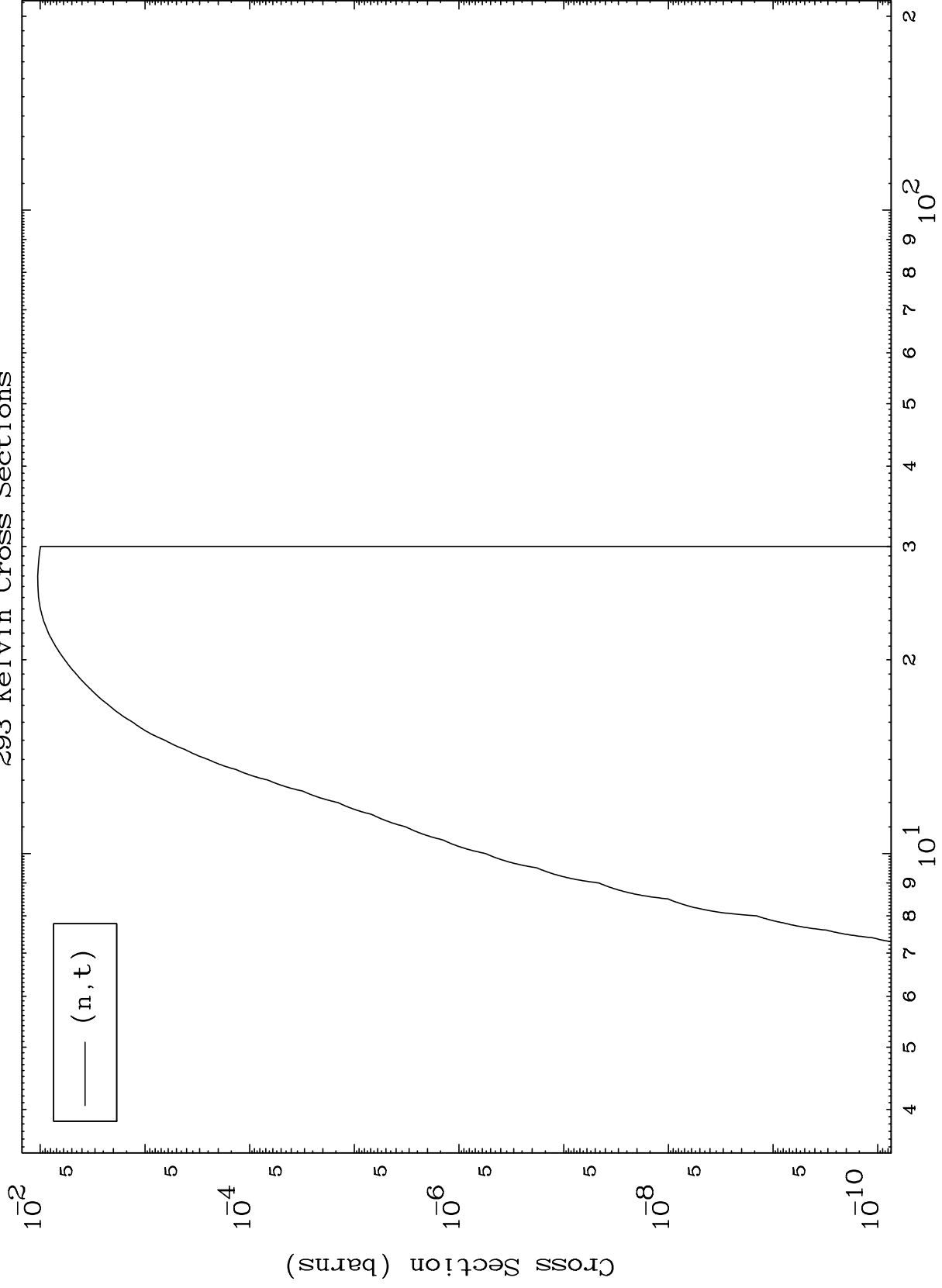
Incident Energy (MeV)

53-I -122

MAT 5310

(n,t) Levels  
293 Kelvin Cross Sections

53-I -122



13

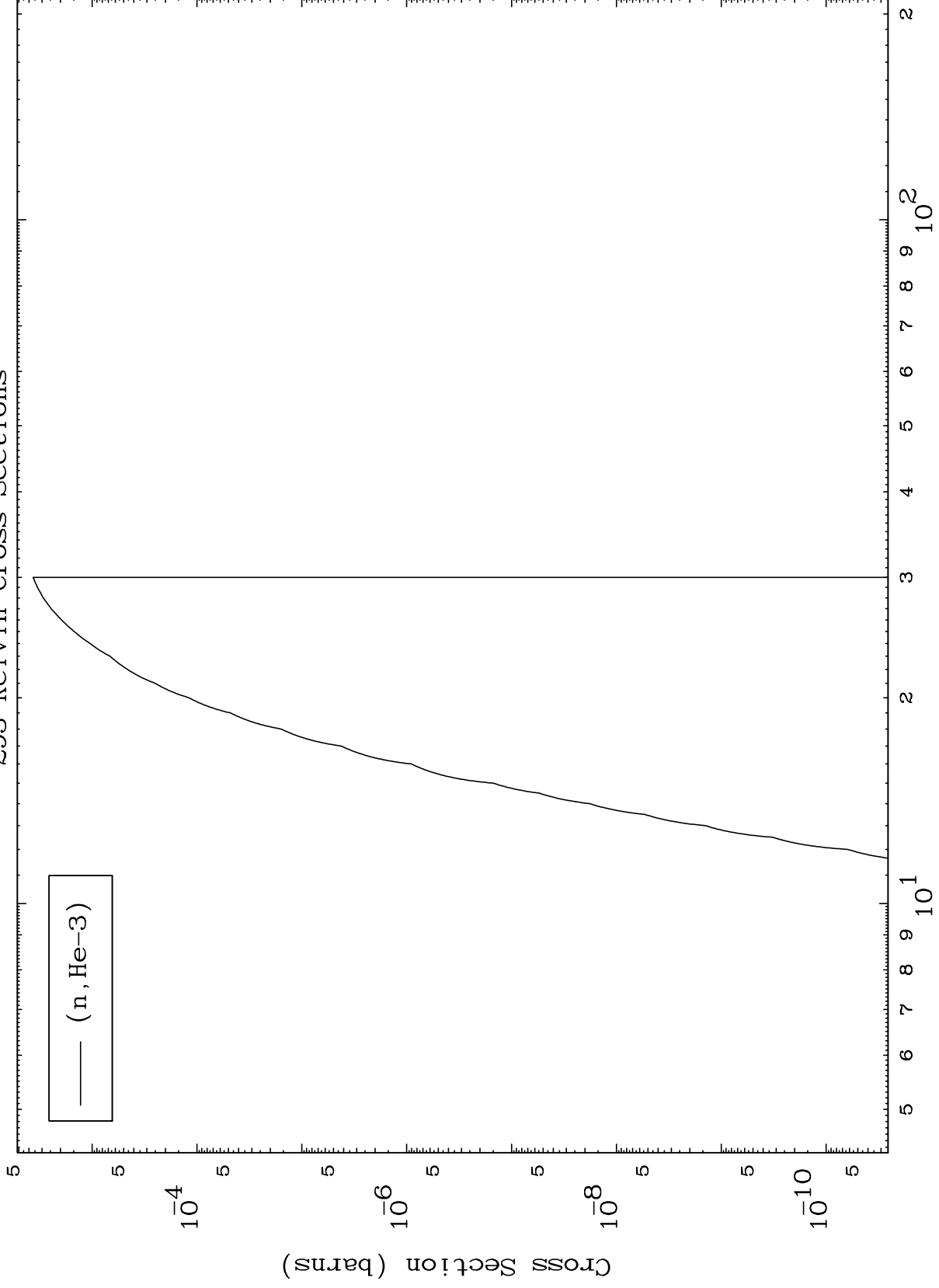
Incident Energy (MeV)

53-I -122

MAT 5310

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -122



14

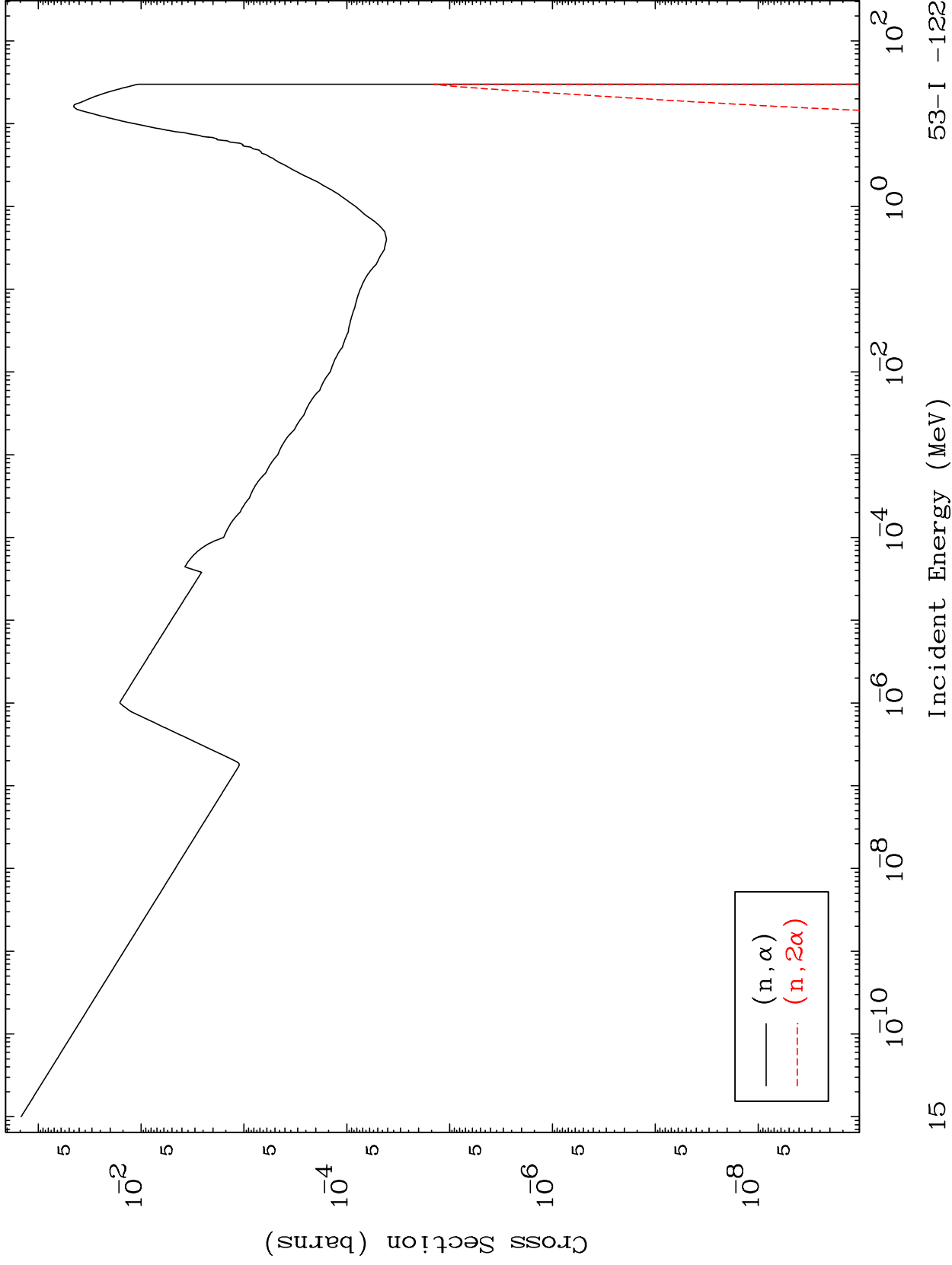
Incident Energy (MeV)

53-I -122

MAT 5310

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

53-I -122

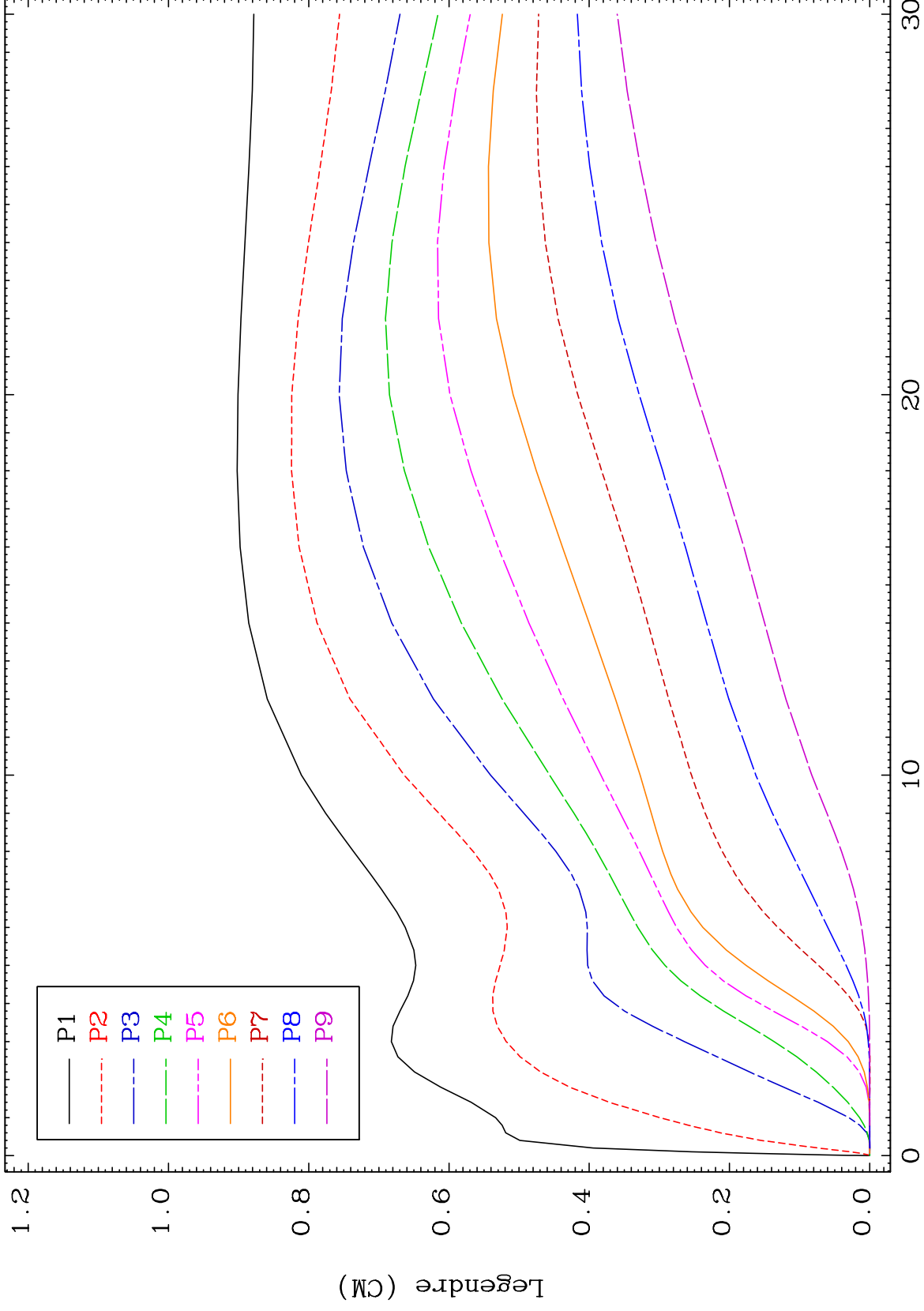




MAT 5310

Elastic Legendre Coefficients

53-I -122



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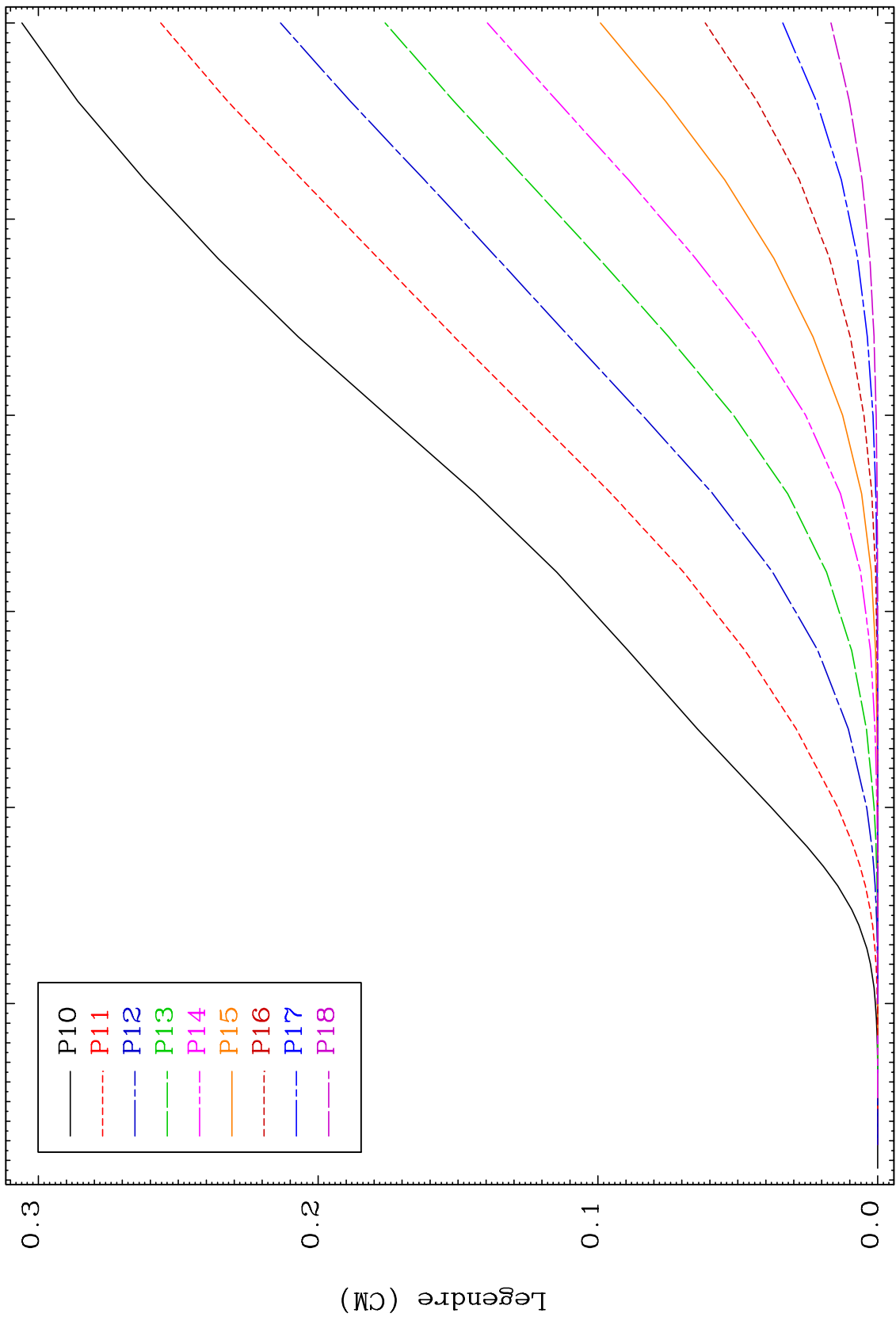
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



17

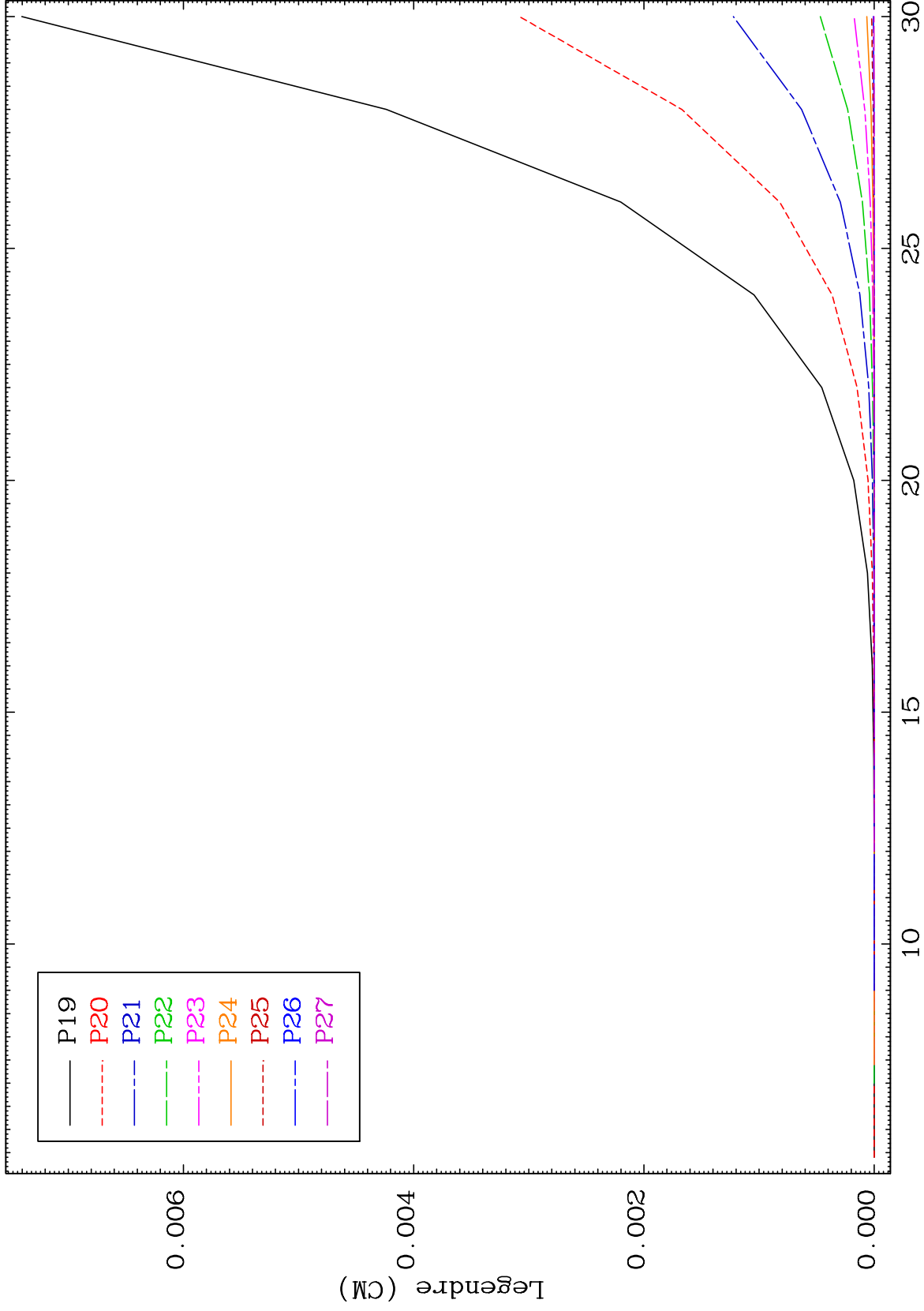
Incident Energy (MeV)

53-I -122

MAT 5310

### Elastic Legendre Coefficients

53-I -122



18

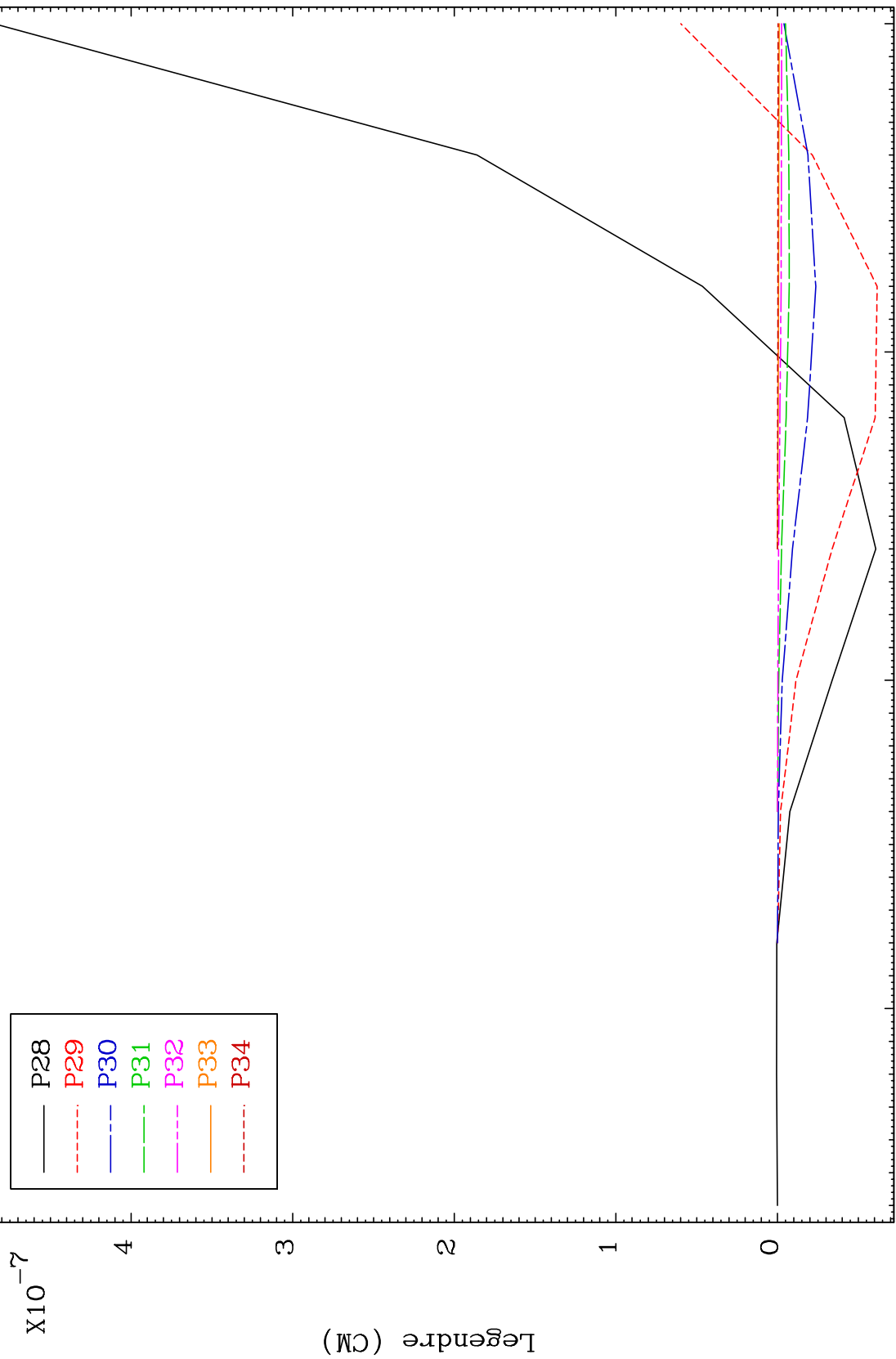
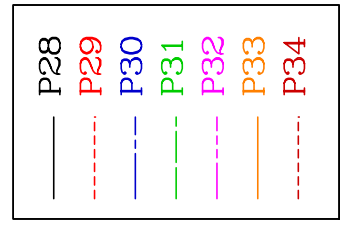
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



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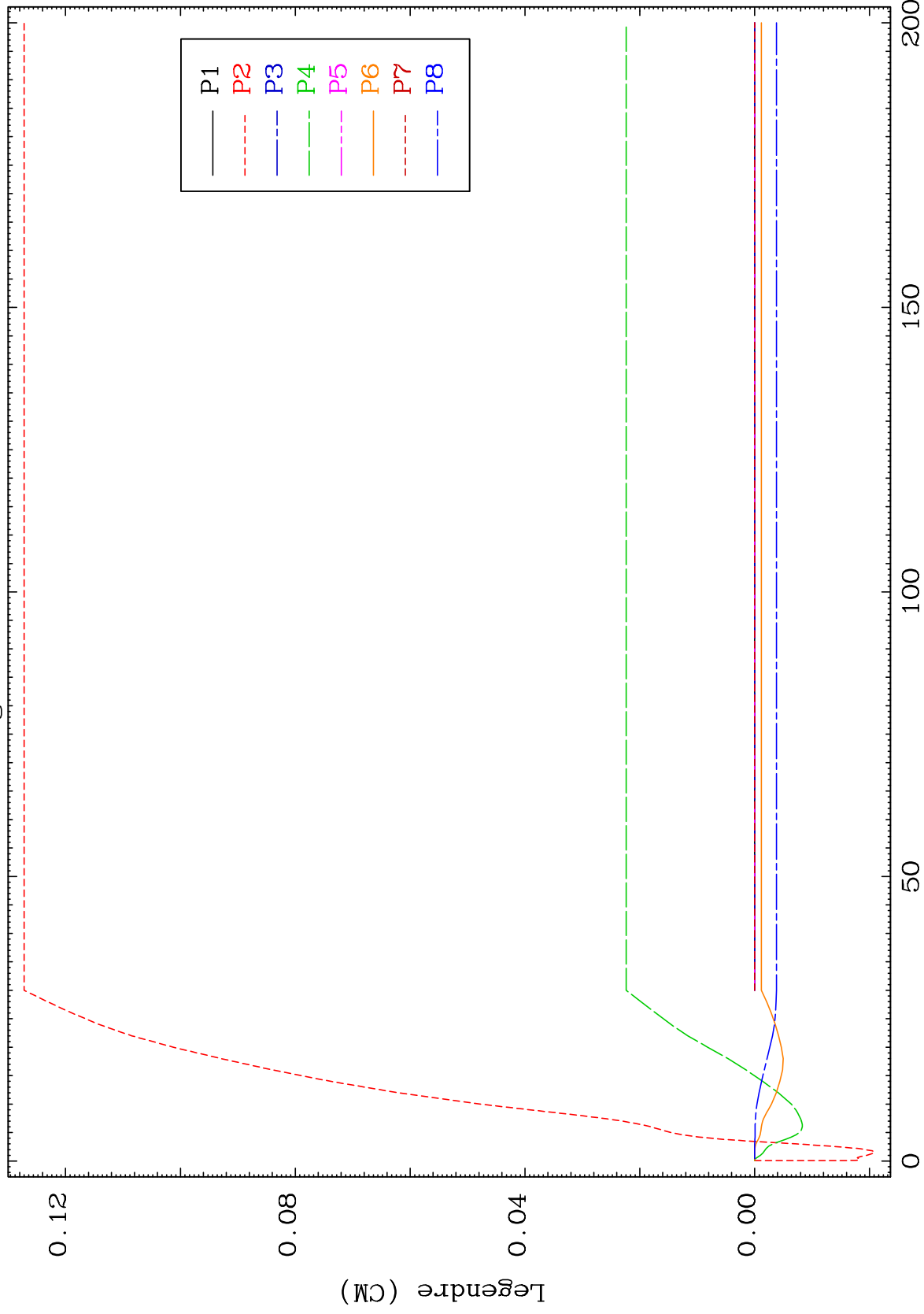
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

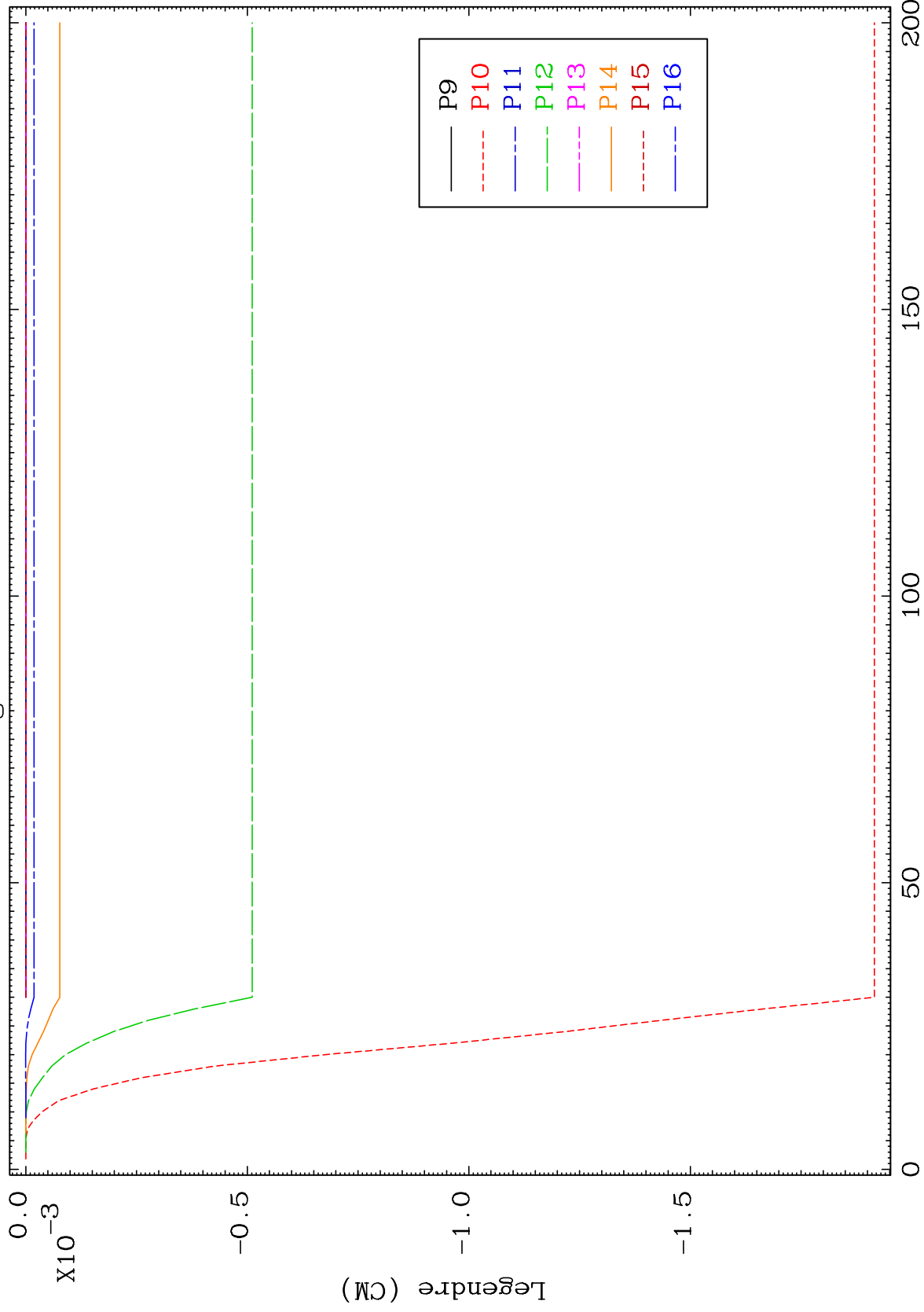
Incident Energy (MeV)

20

MAT 5310

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

53-I -122



21

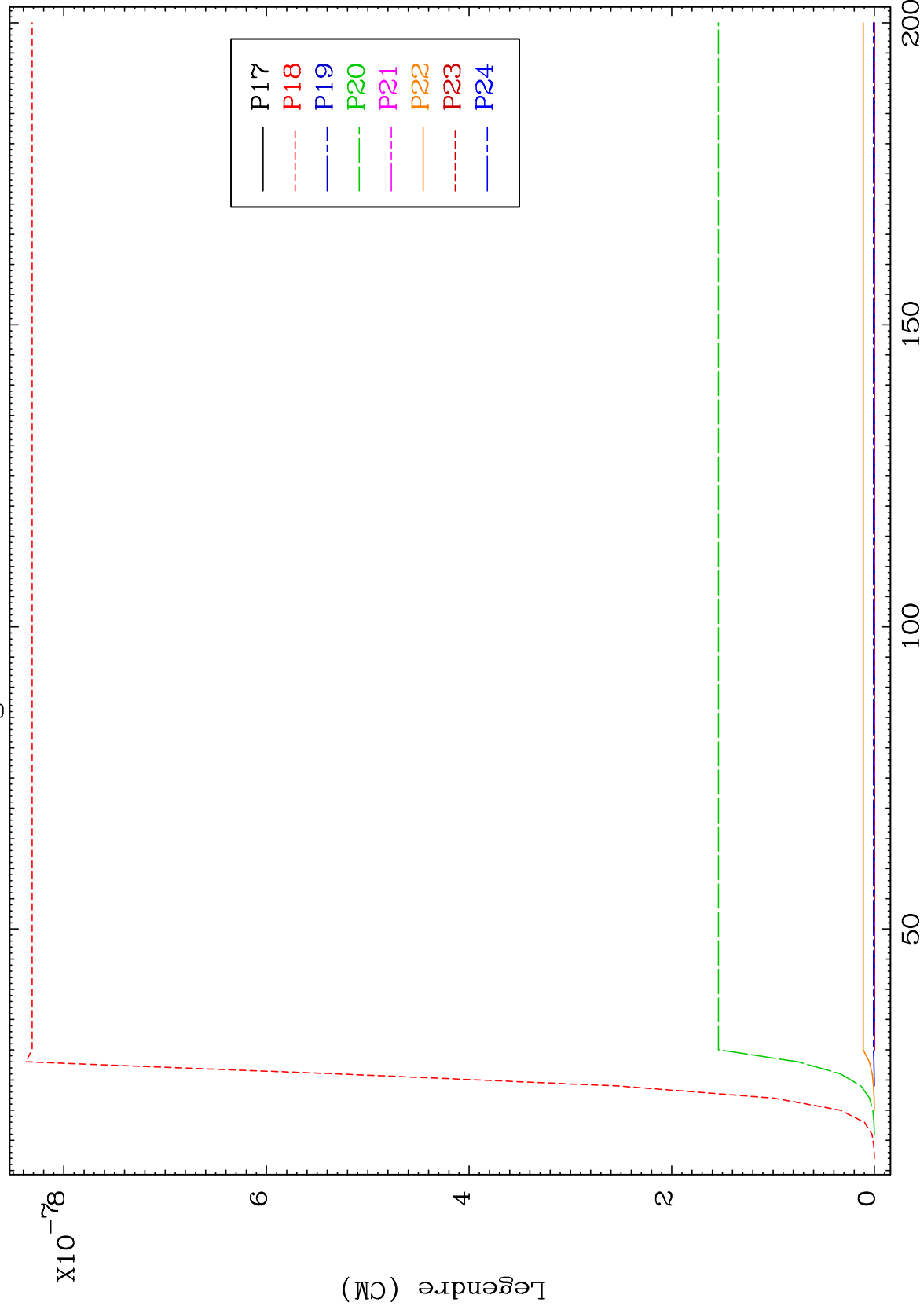
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

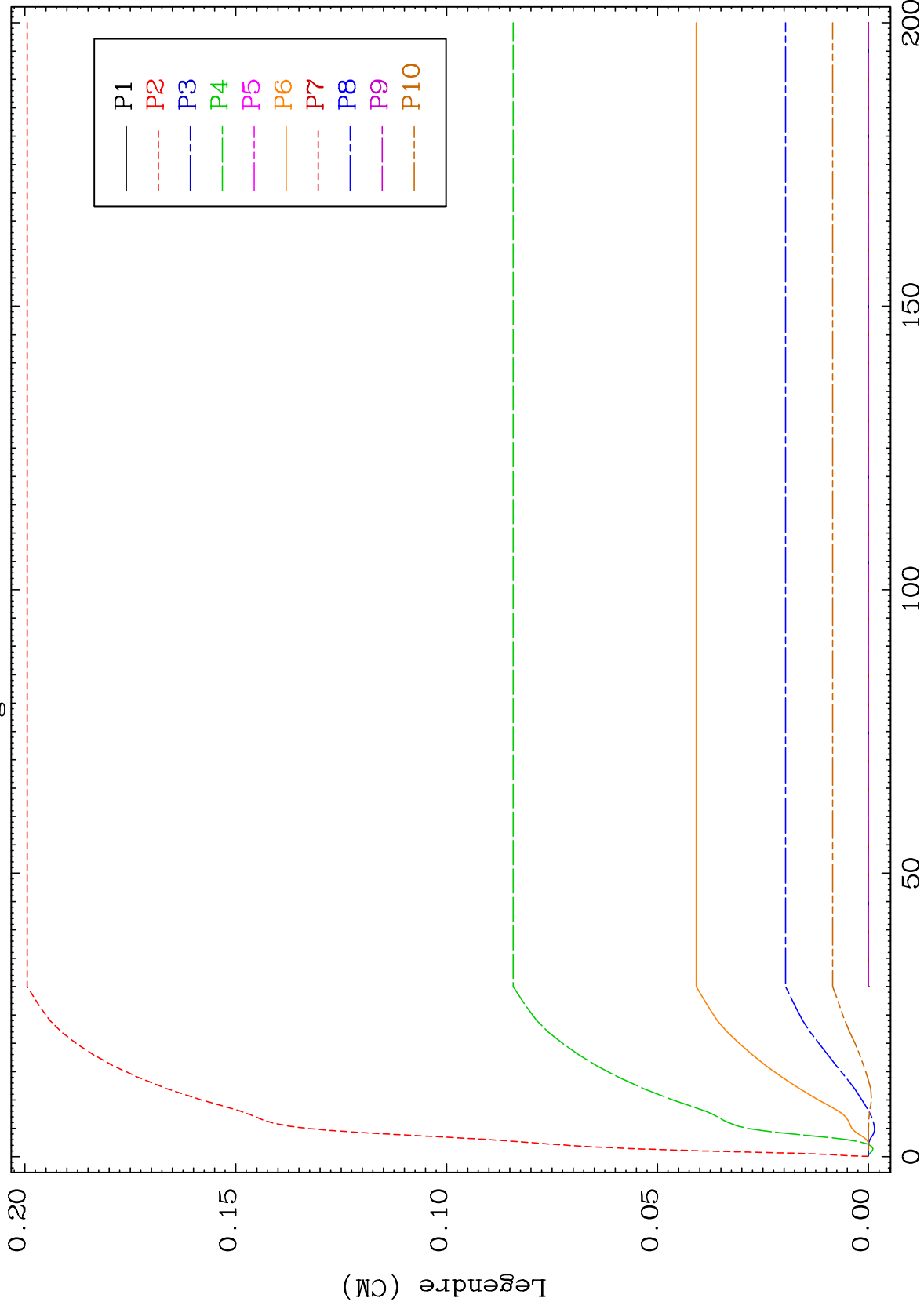
Incident Energy (MeV)

22

MAT 5310

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

53-I -122



23

Incident Energy (MeV)

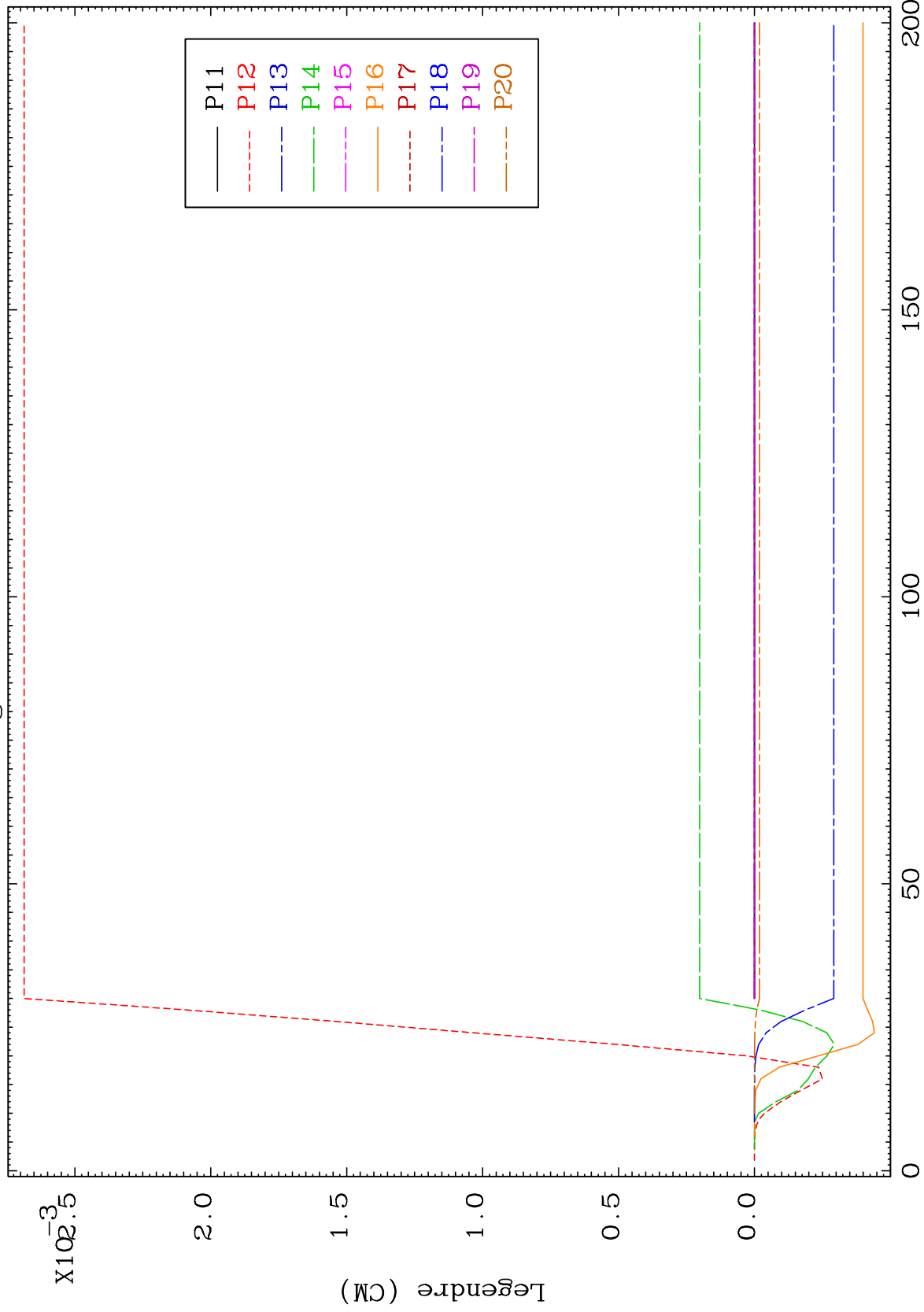
53-I -122



MAT 5310

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

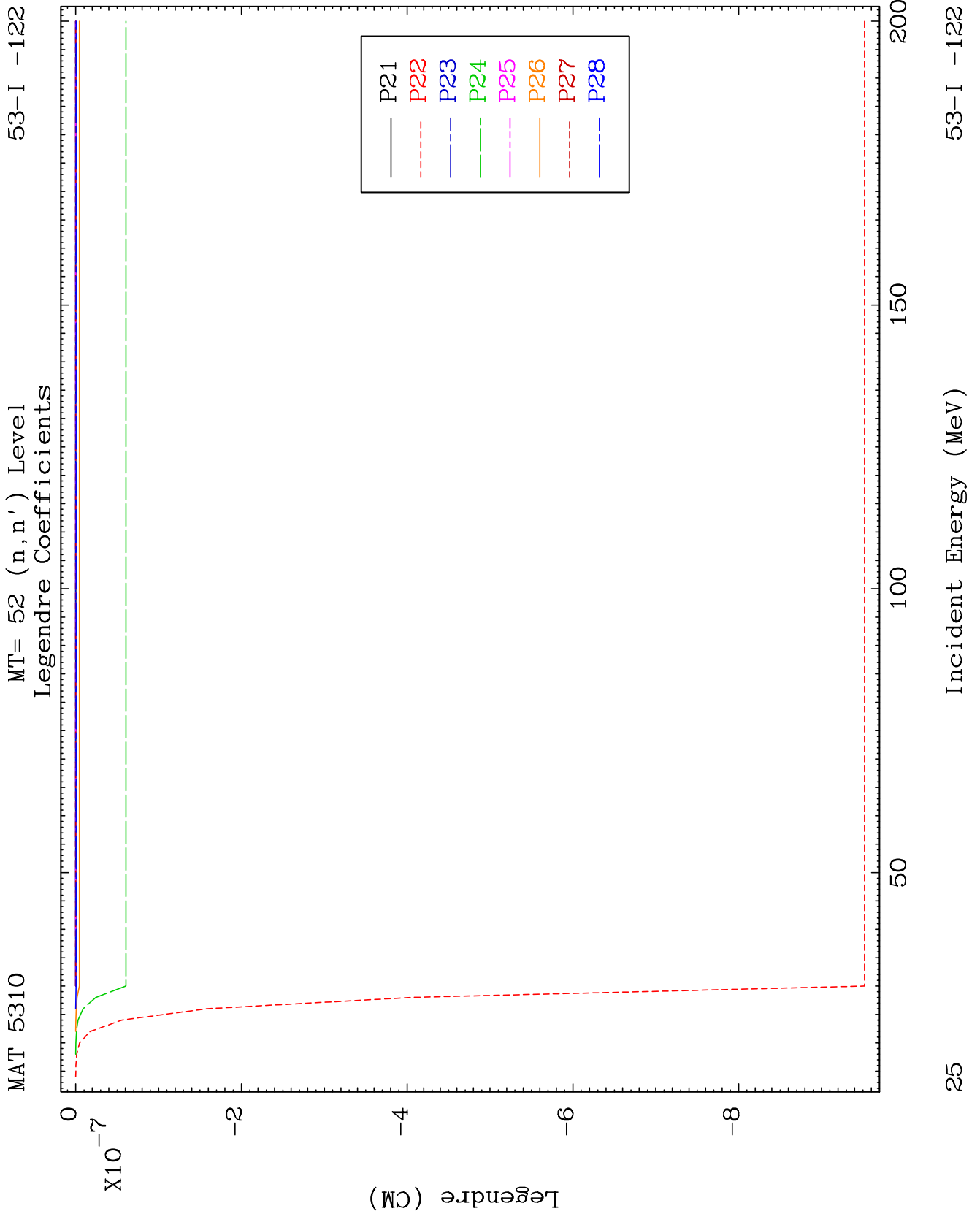
53-I -122

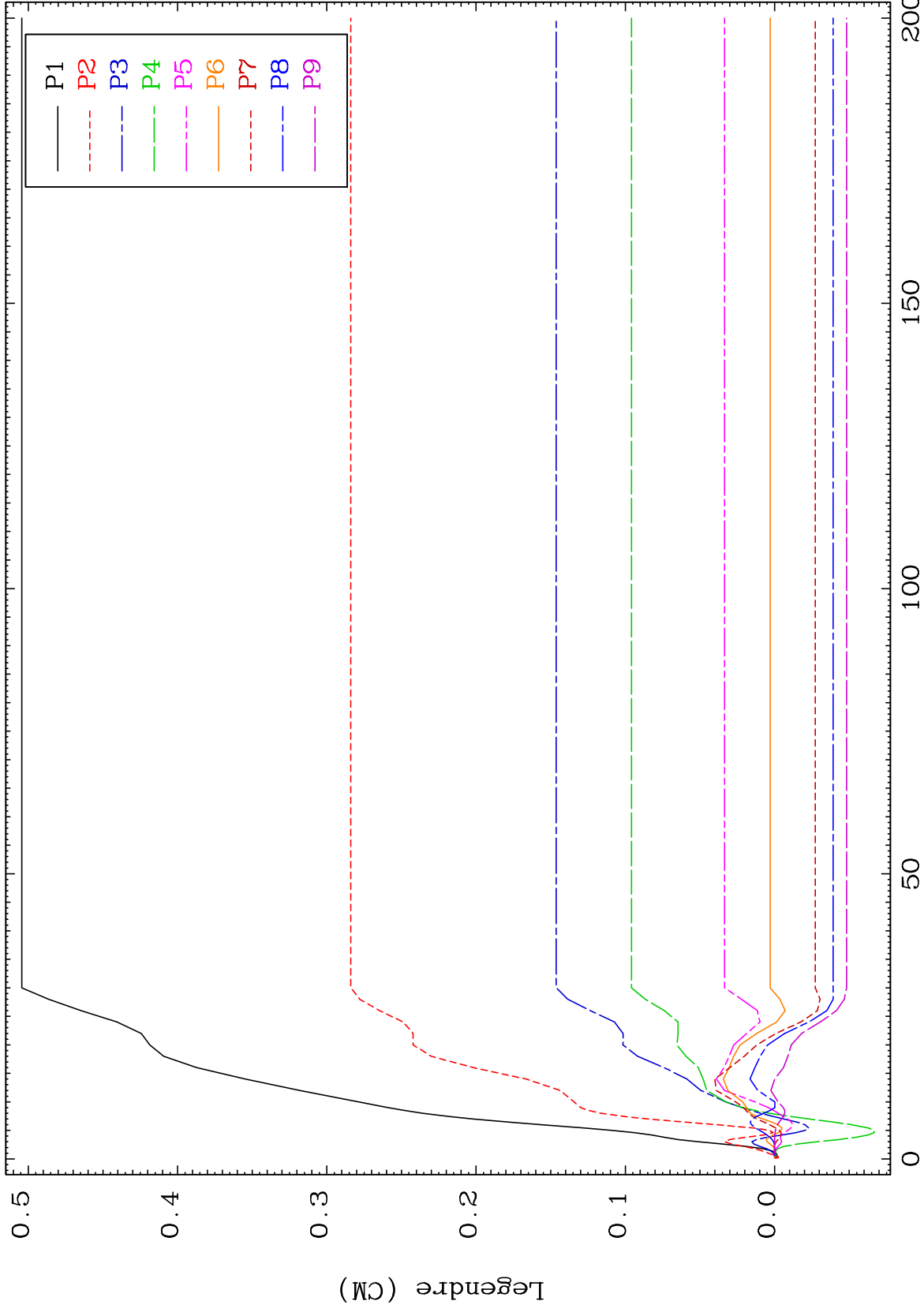


24

Incident Energy (MeV)

53-I -122

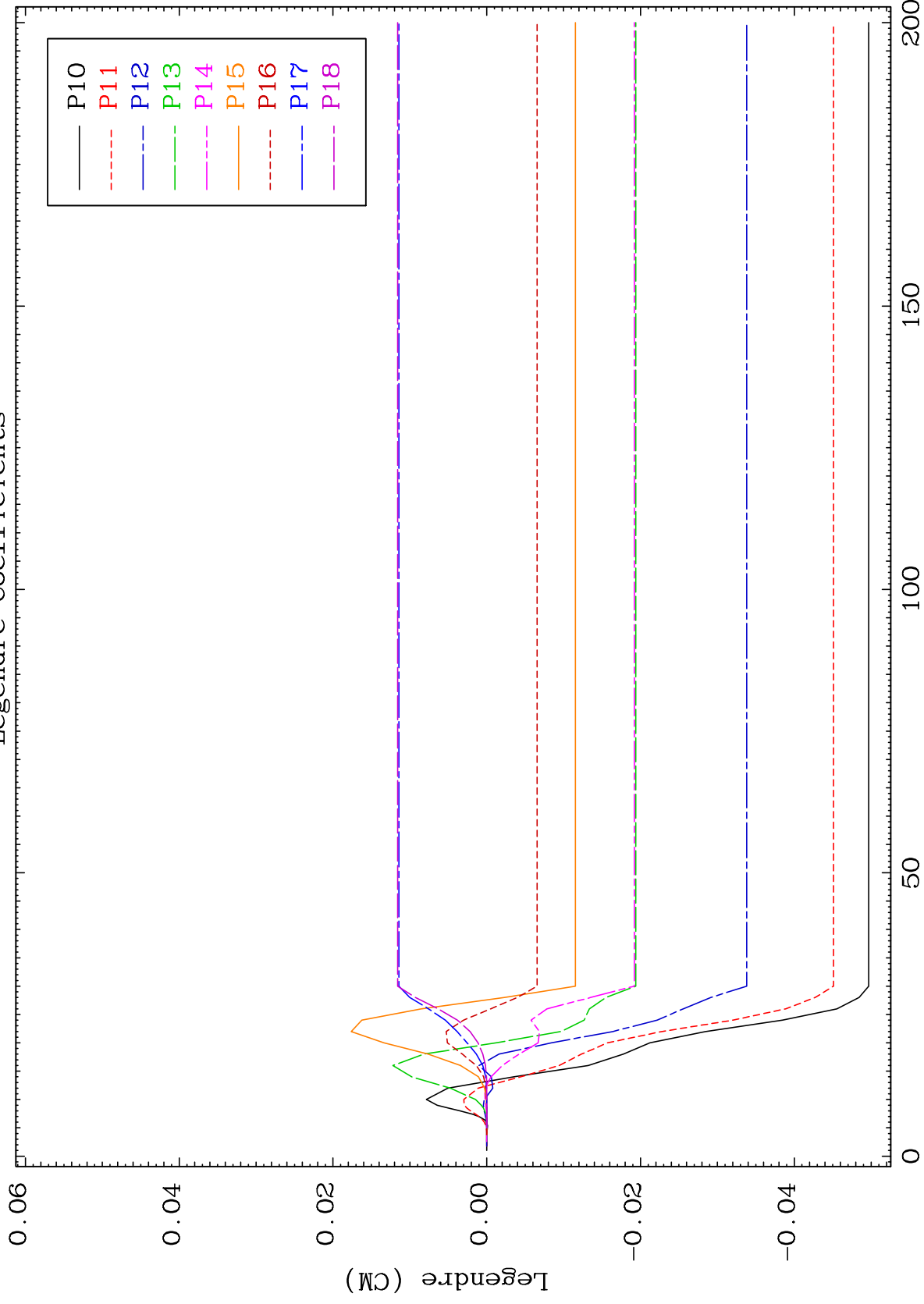




MAT 5310

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

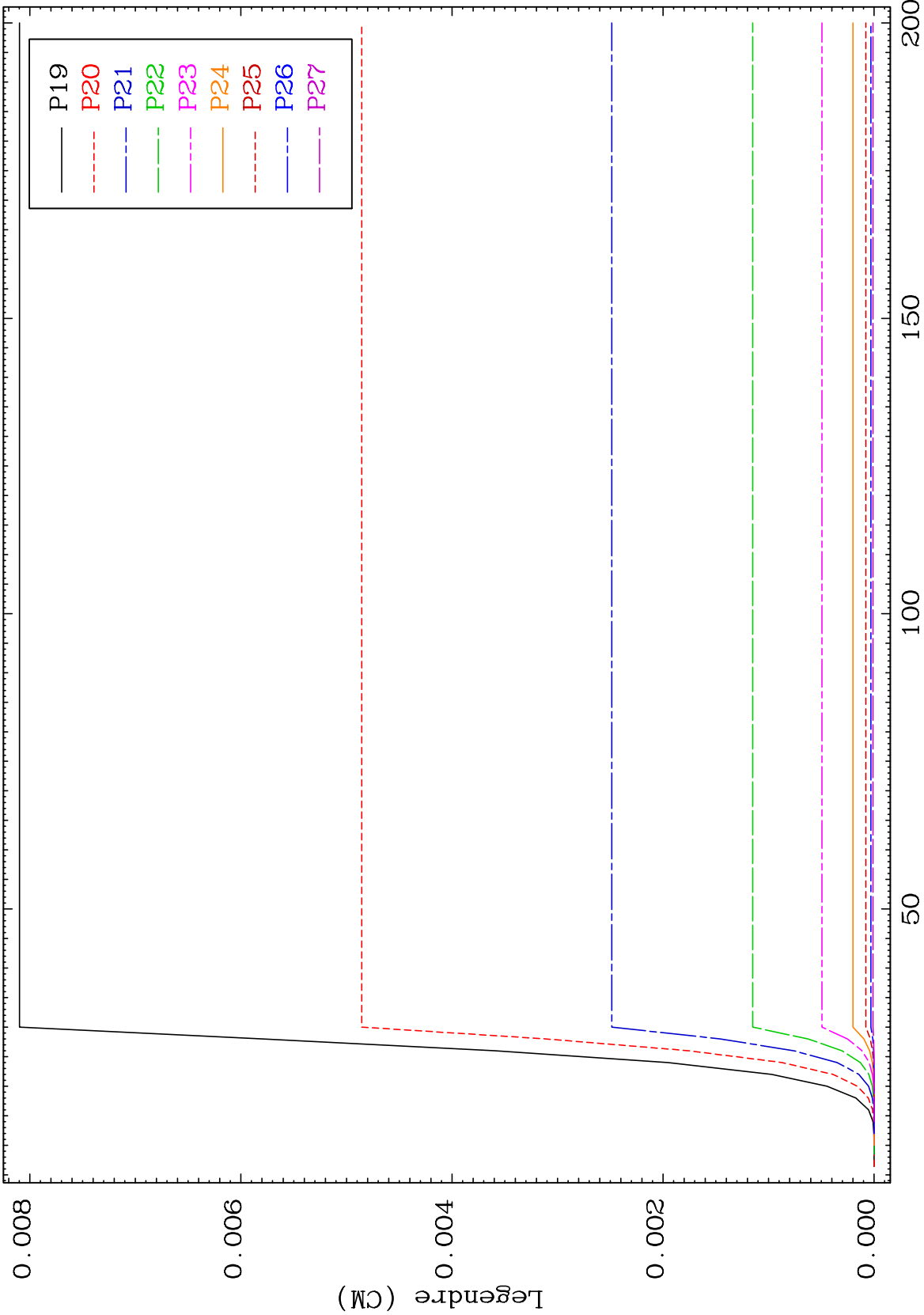
53-I -122



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Incident Energy (MeV)

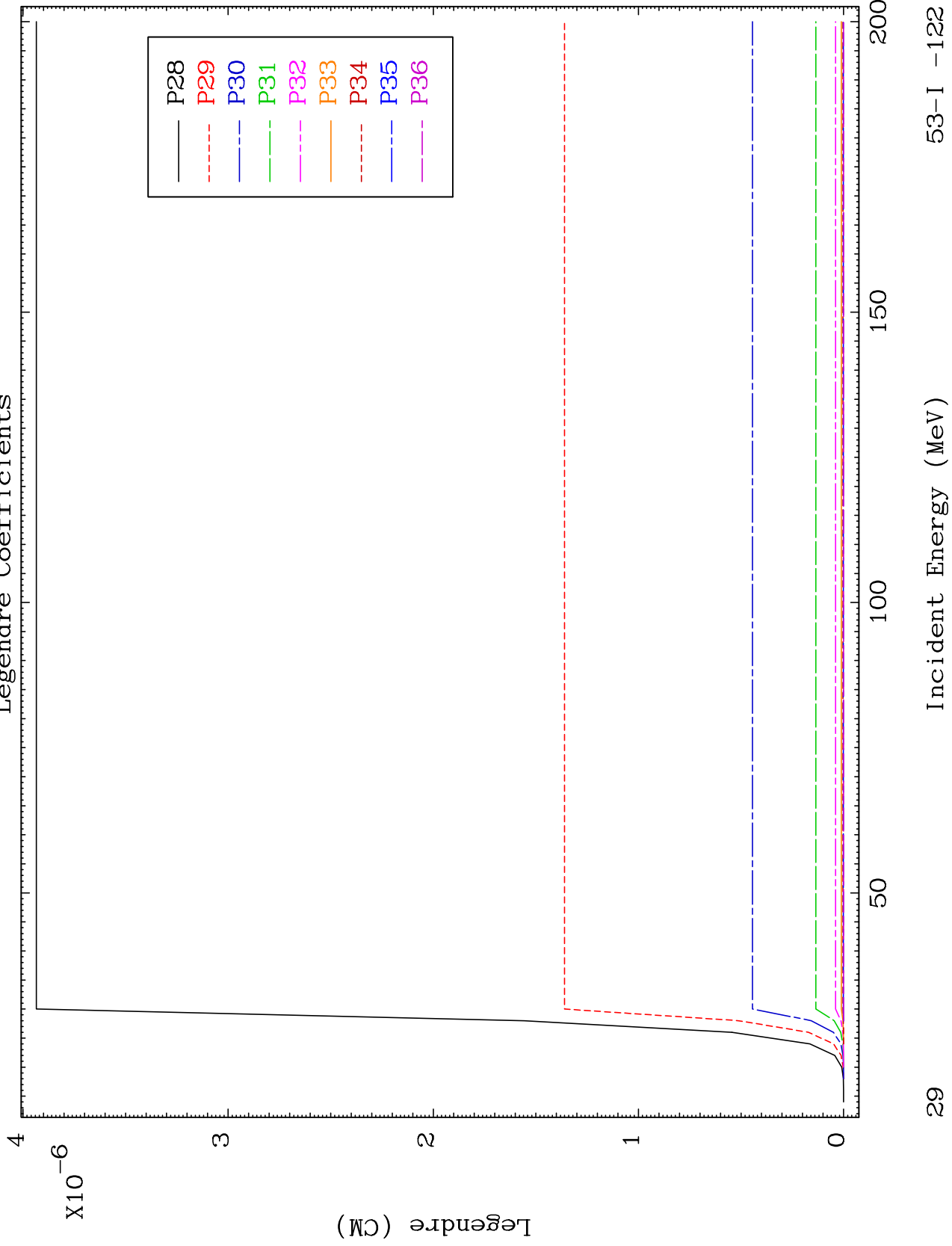
53-I -122



MAT 5310

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

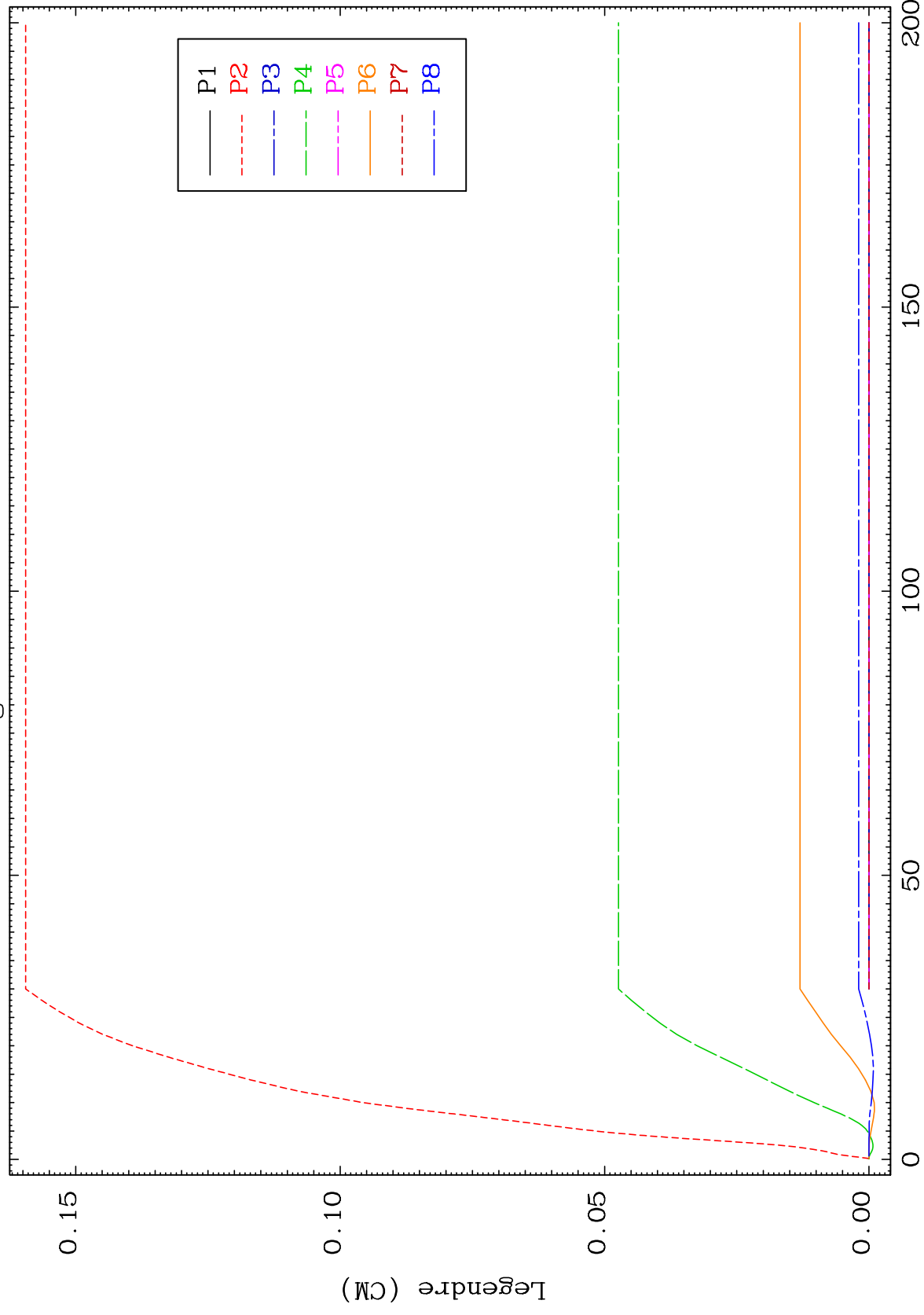
53-I -122



MAT 5310

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

53-I -122



53-I -122

Incident Energy (MeV)

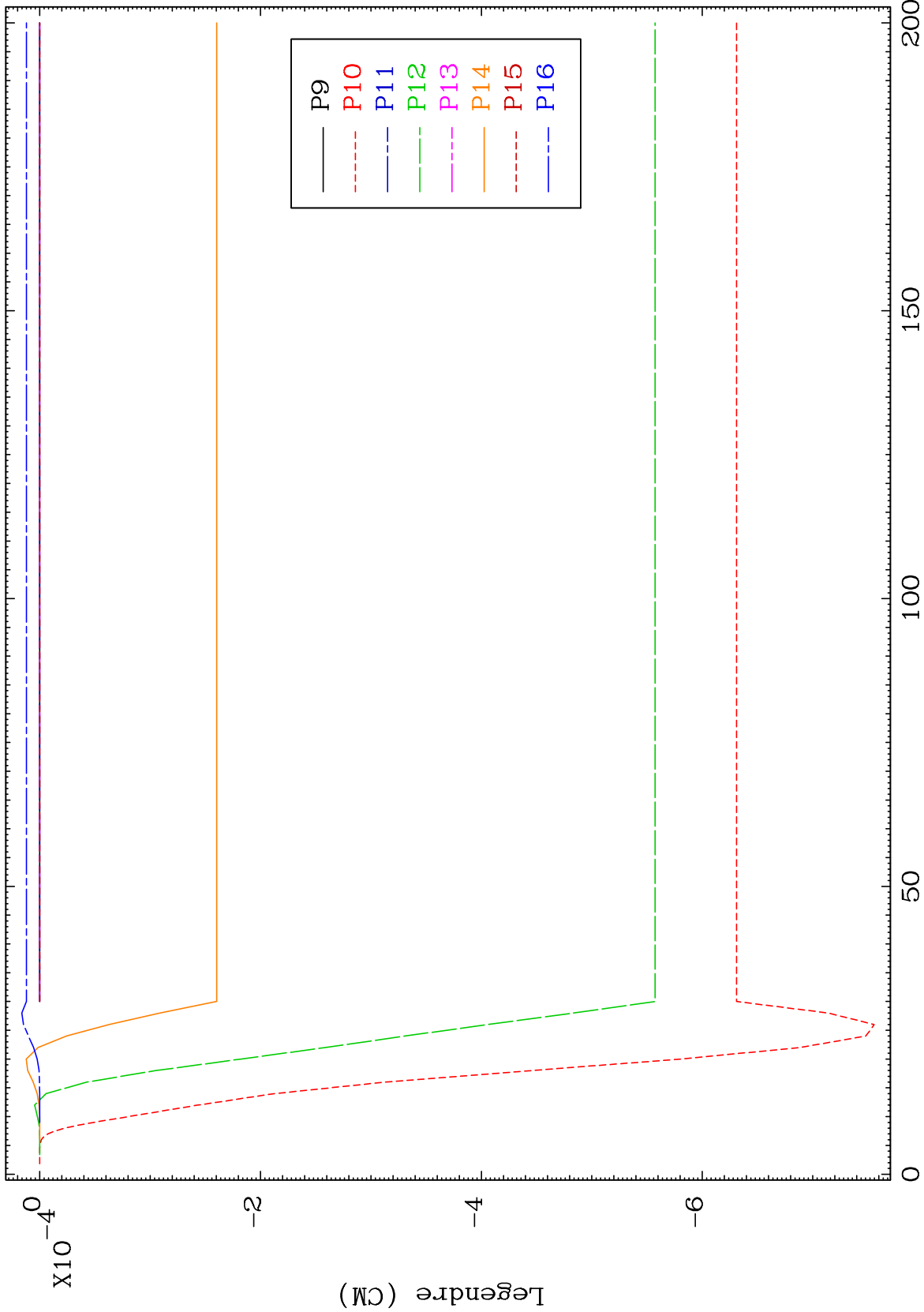
30

MAT 5310

MT= 54 (n,n') Level

53-I -122

Legendre Coefficients



31

Incident Energy (MeV)

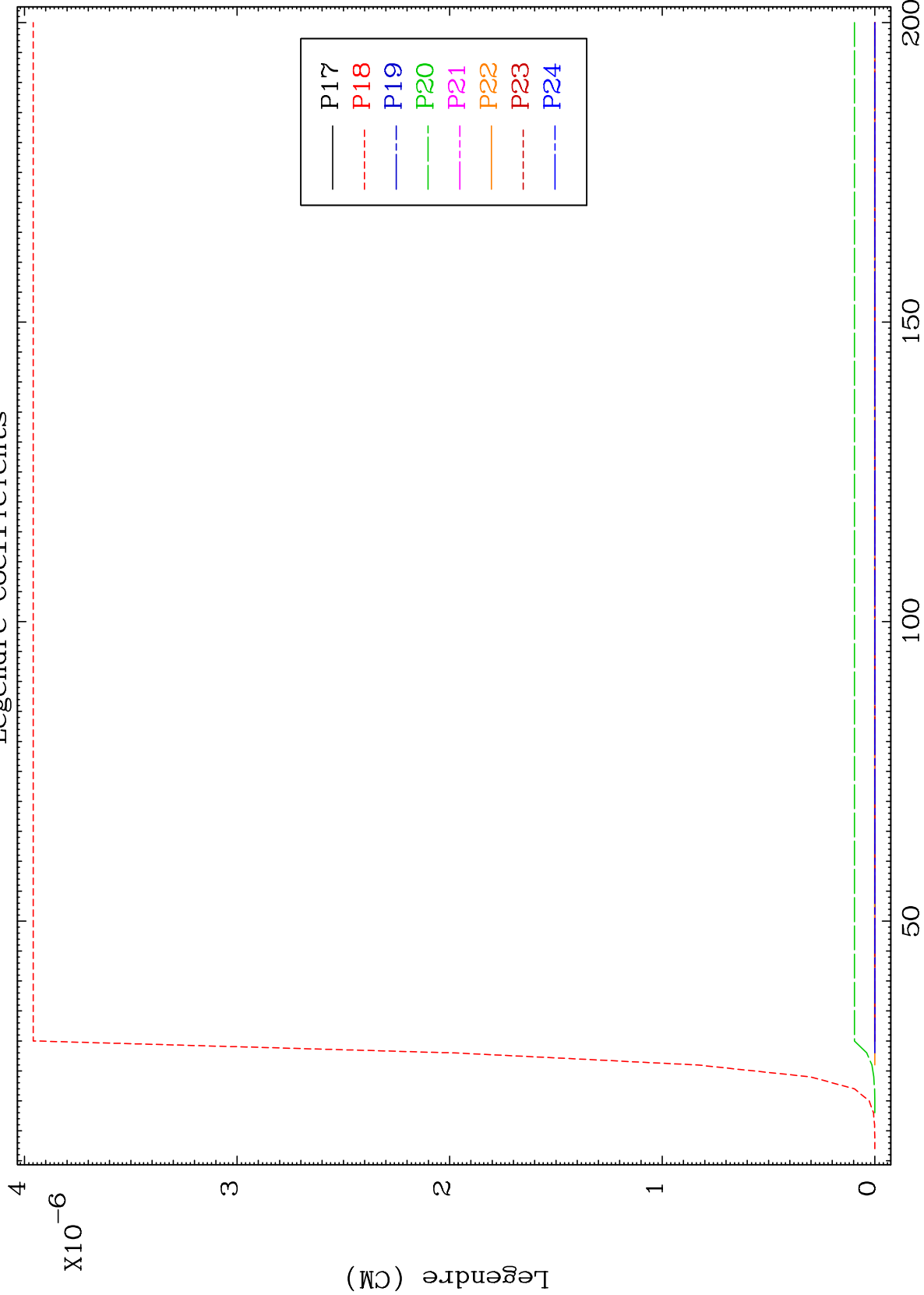
53-I -122



MAT 5310

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

53-I -122



32

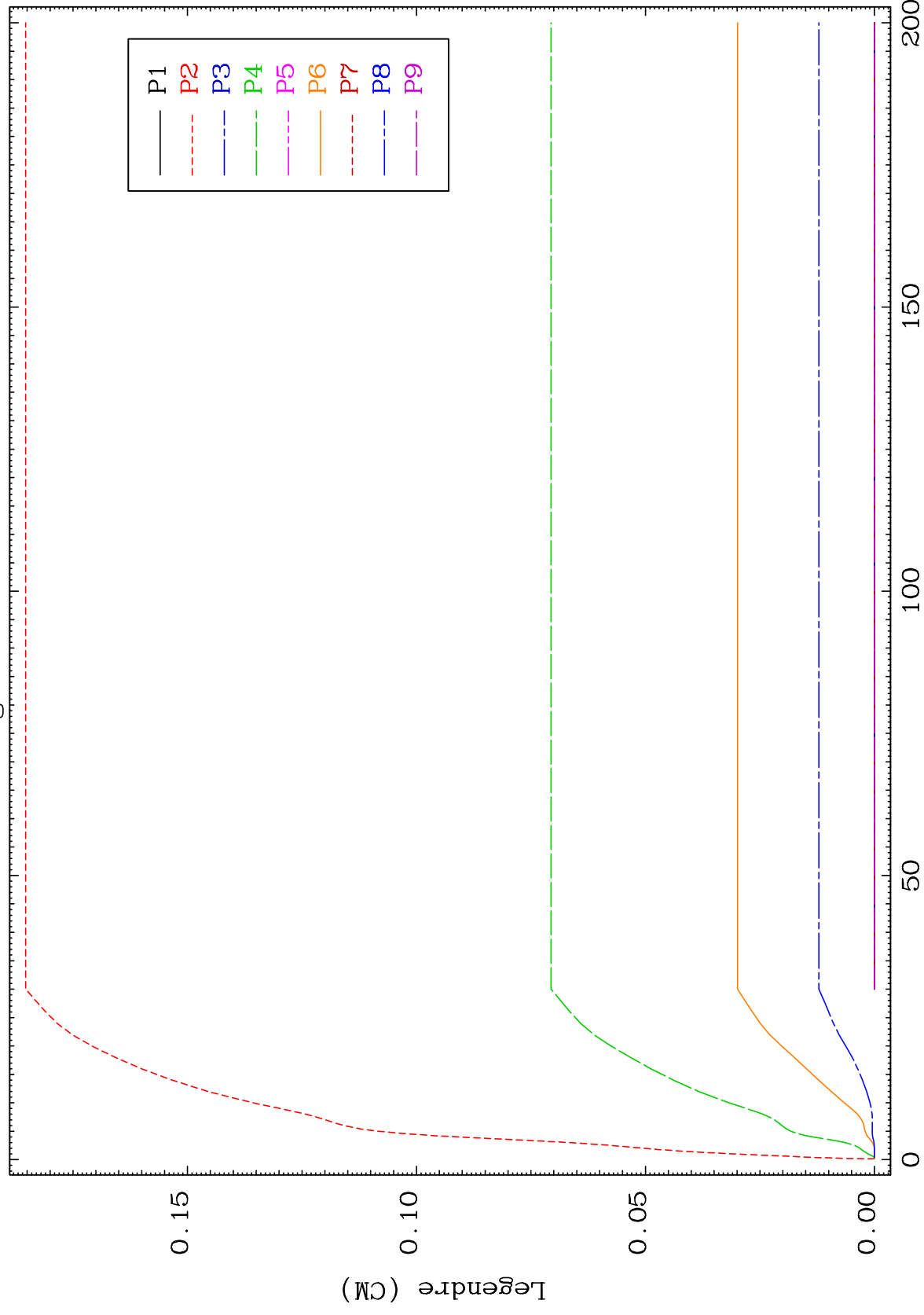
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



33

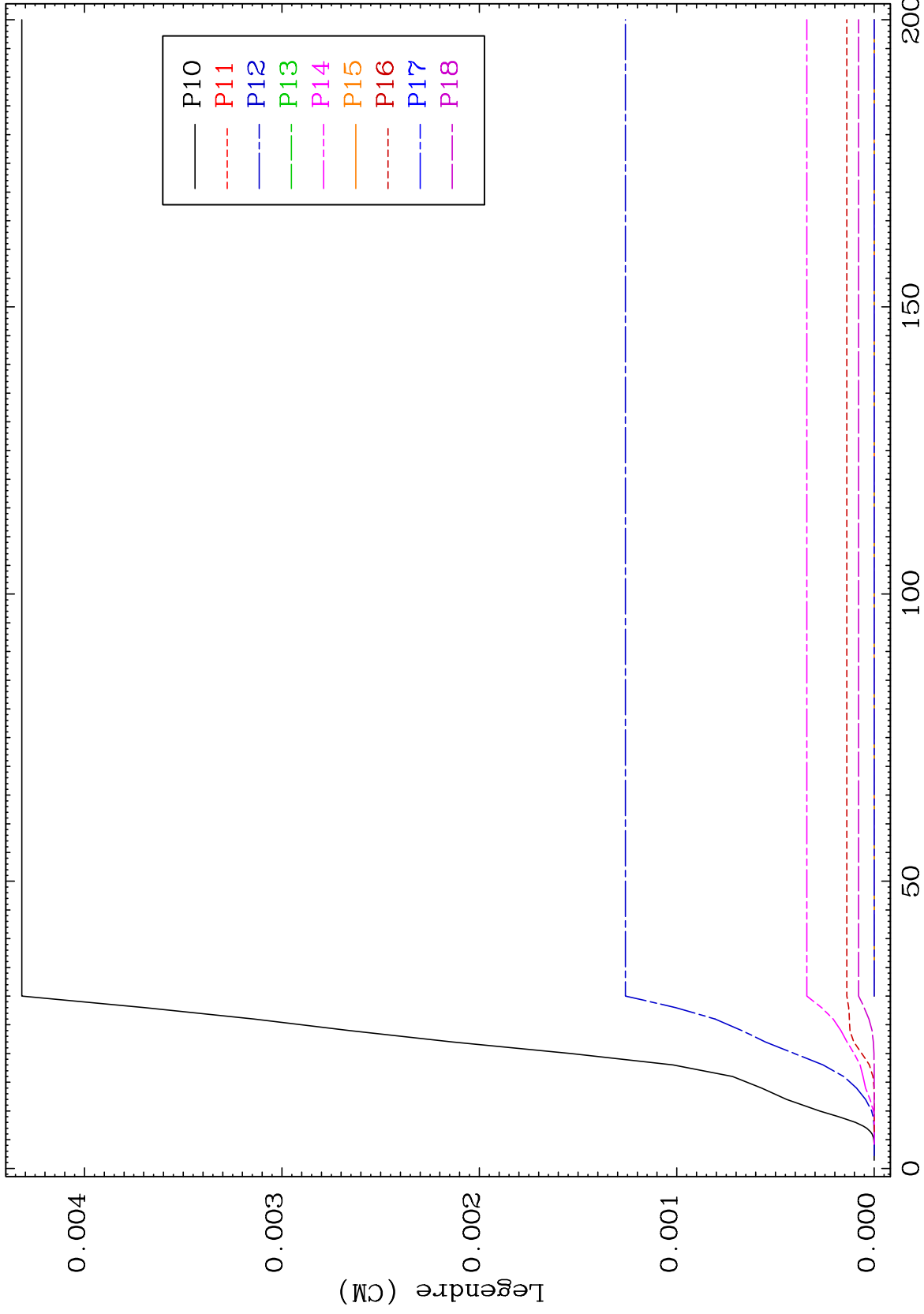
Incident Energy (MeV)

53-I -122

MAT 5310

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

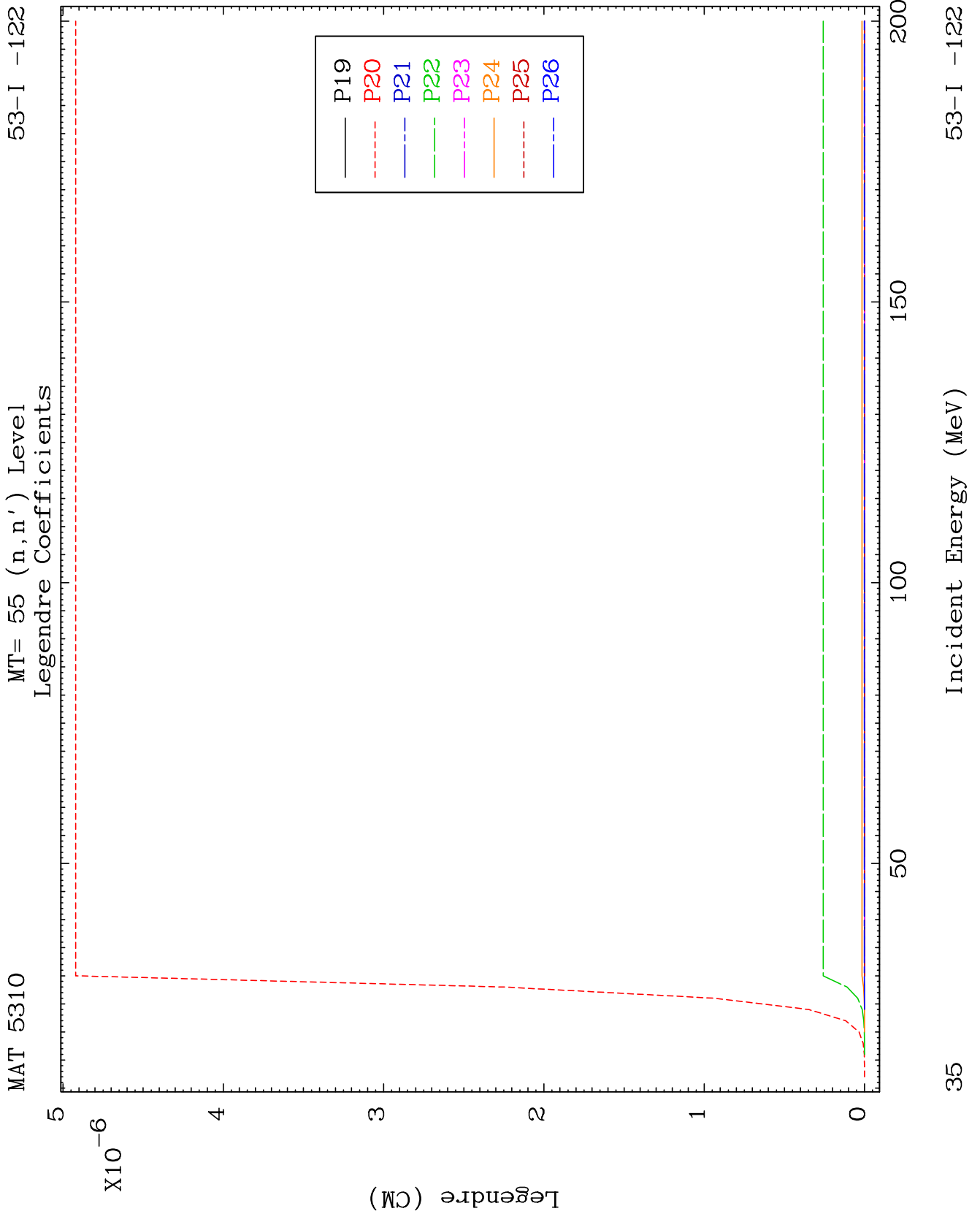
53-I -122



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Incident Energy (MeV)

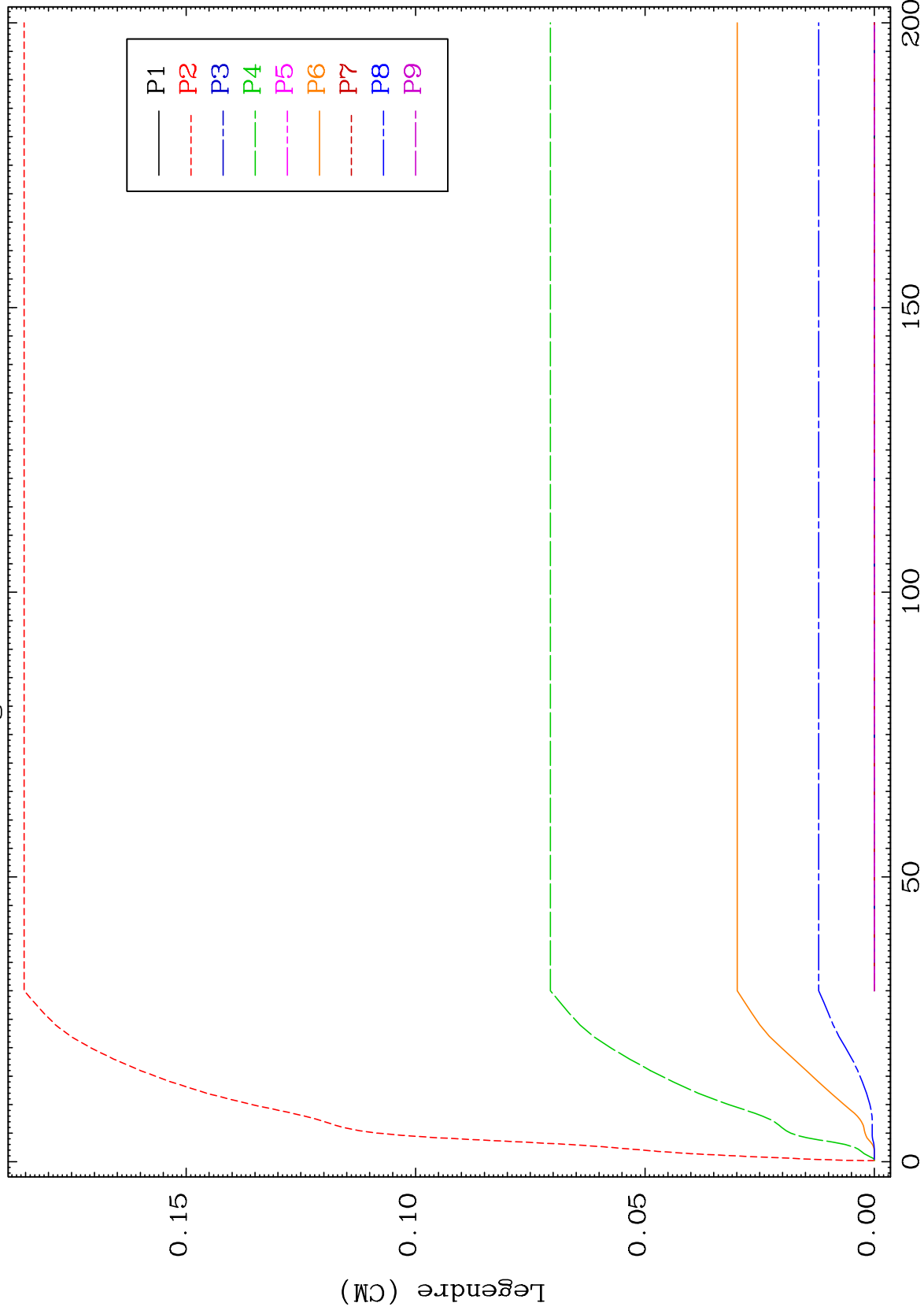
53-I -122



MAT 5310

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

53-I -122



36

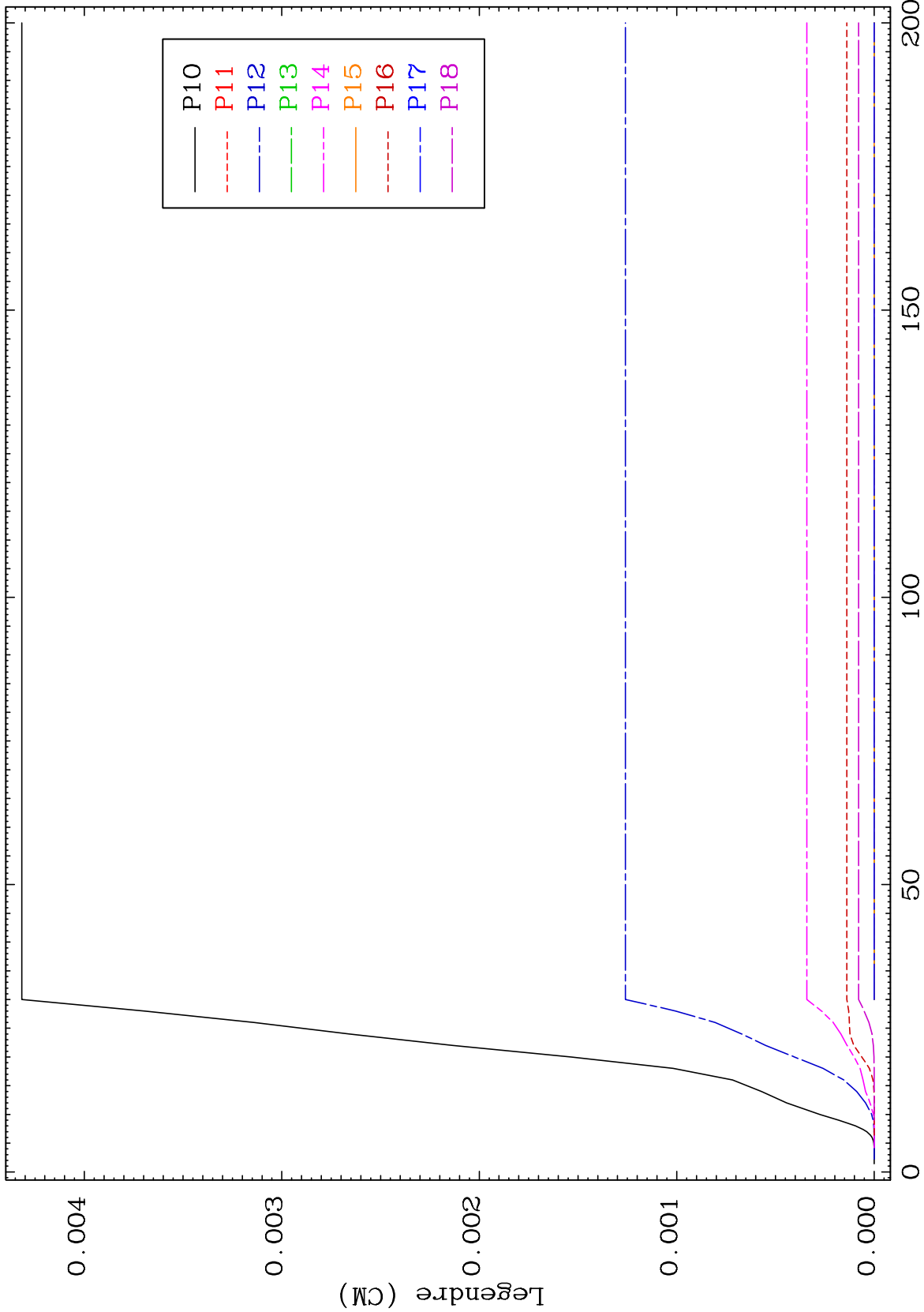
Incident Energy (MeV)

53-I -122

MAT 5310

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

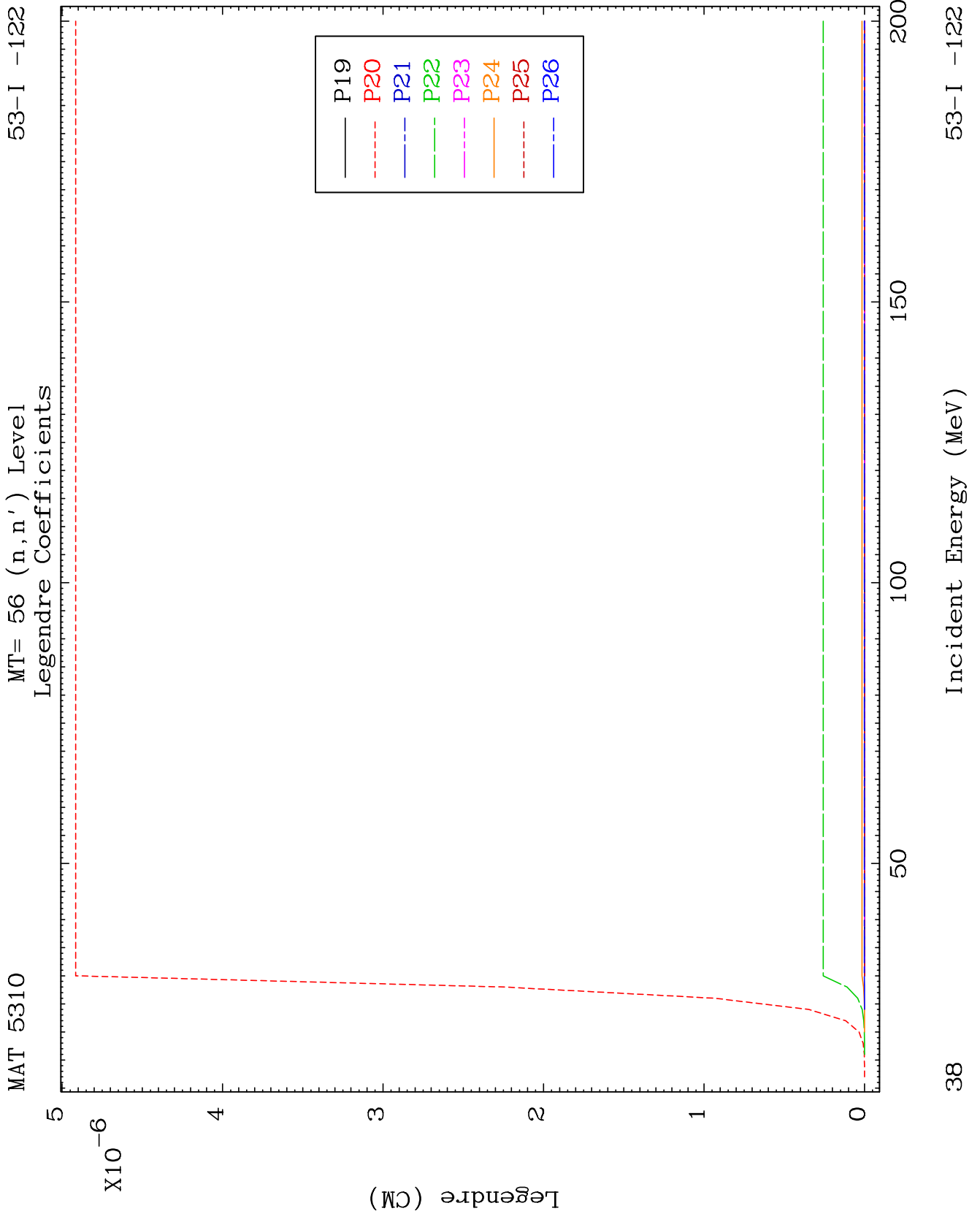
53-I -122

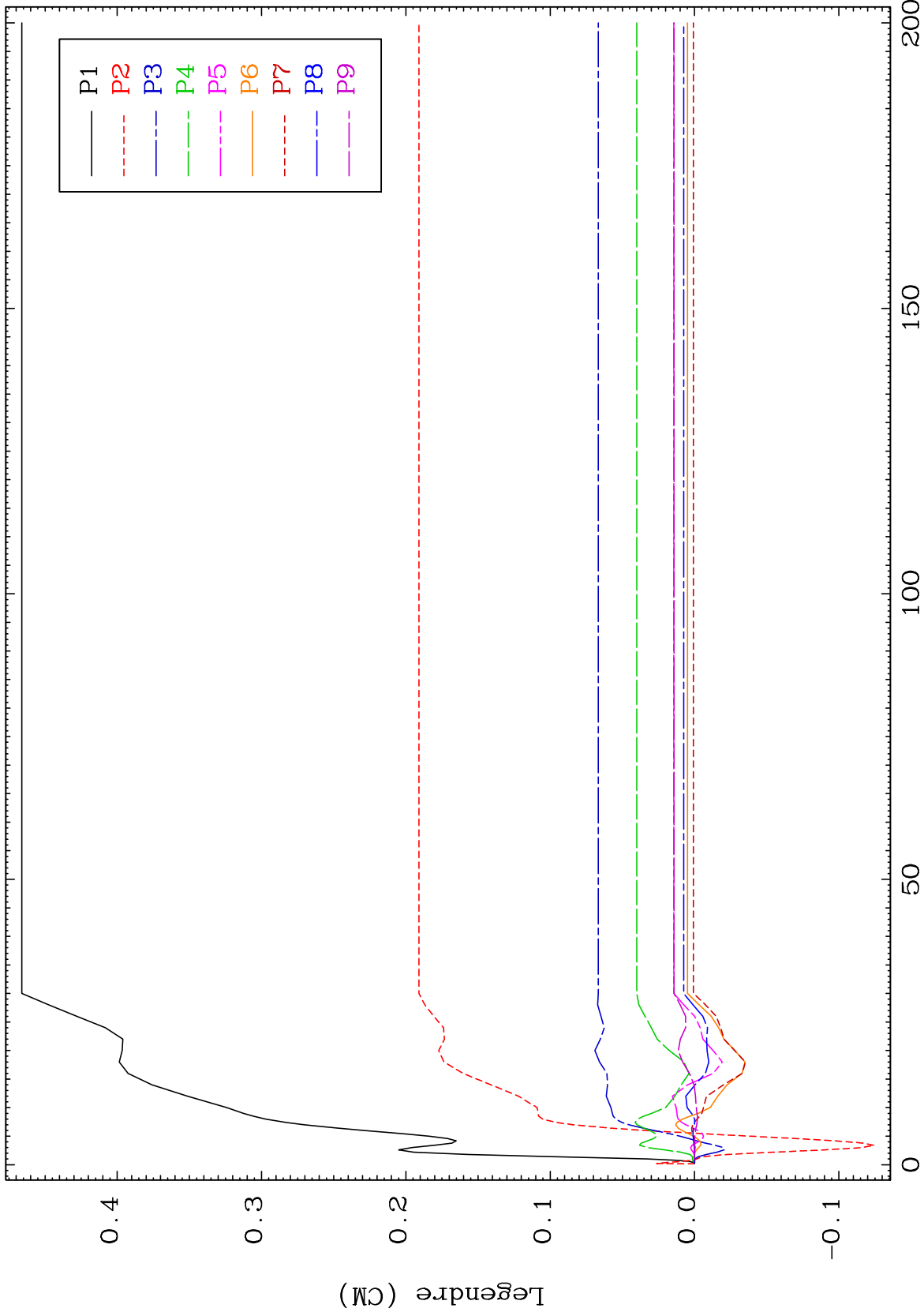


37

Incident Energy (MeV)

53-I -122



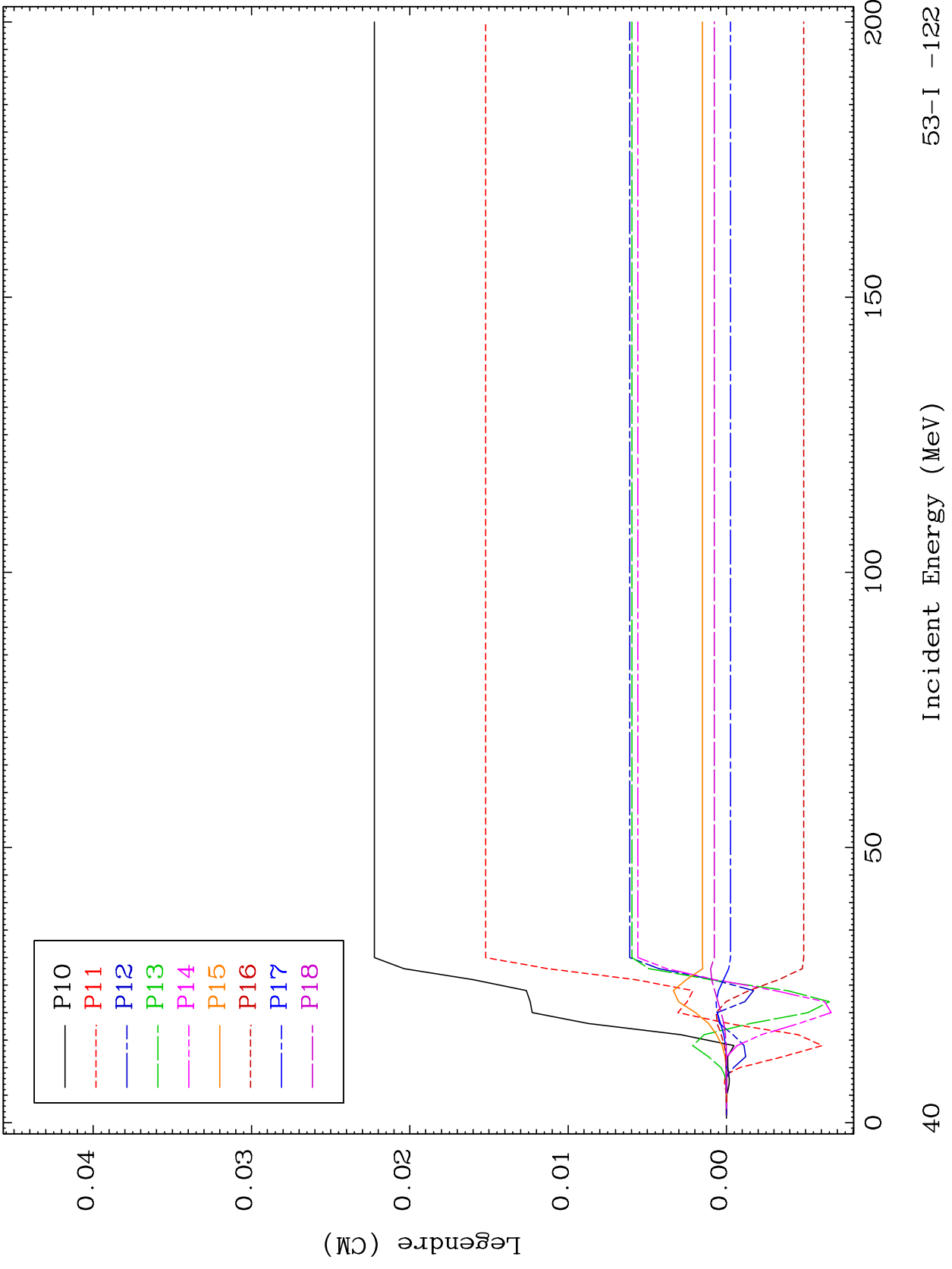




MAT 5310

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

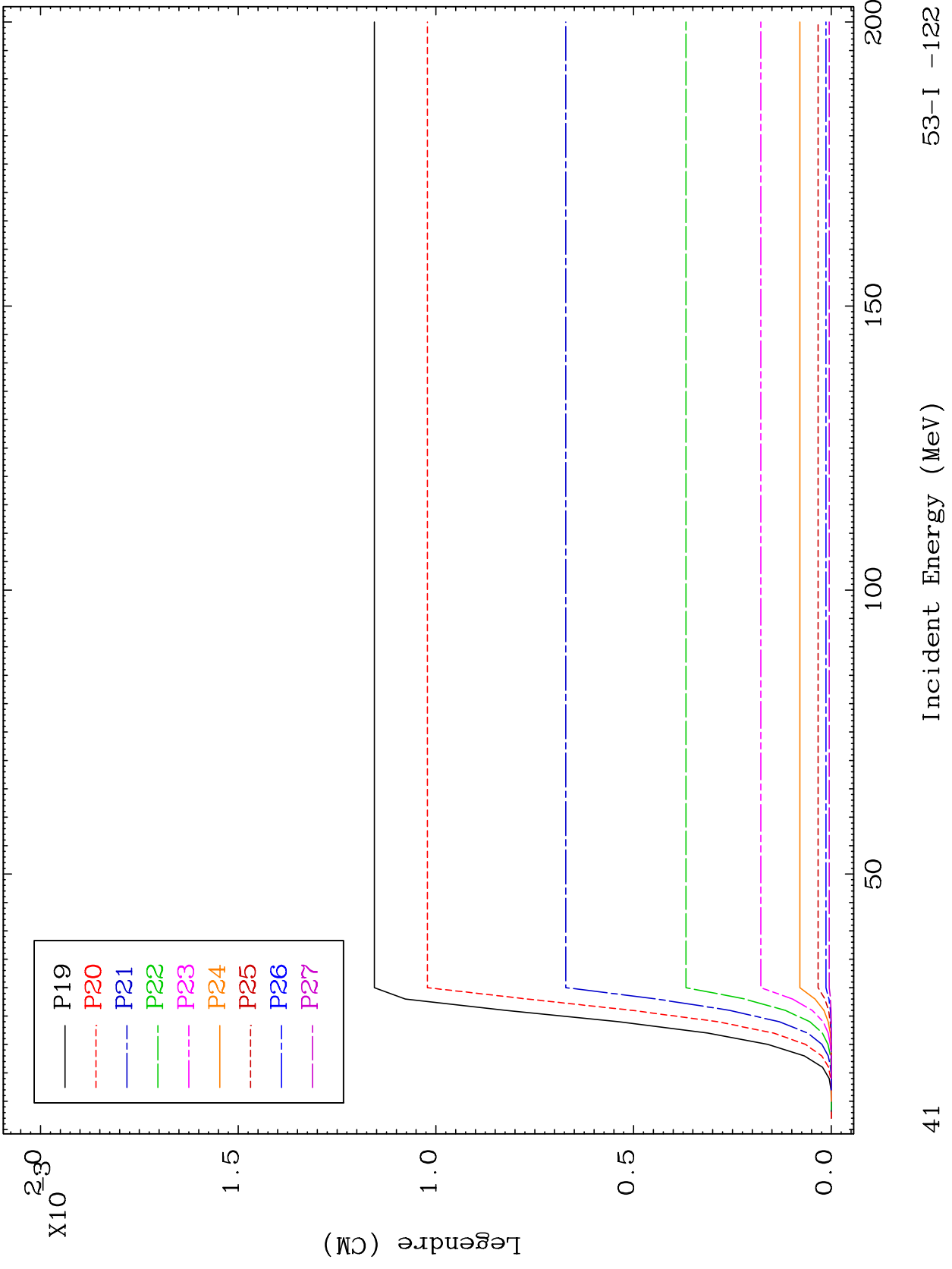
53-I -122



53-I -122

Incident Energy (MeV)

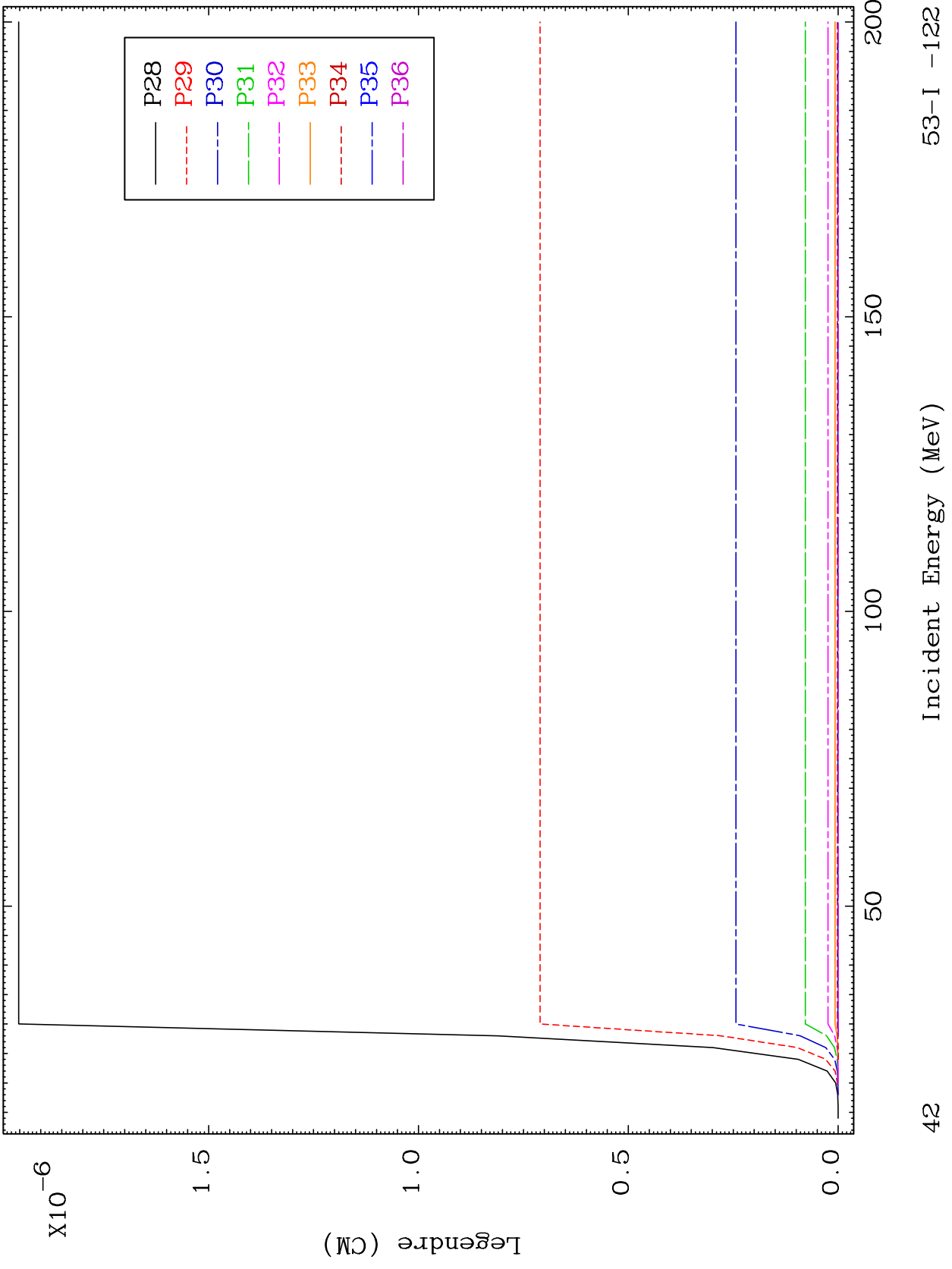
40



MAT 5310

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

53-I -122



42

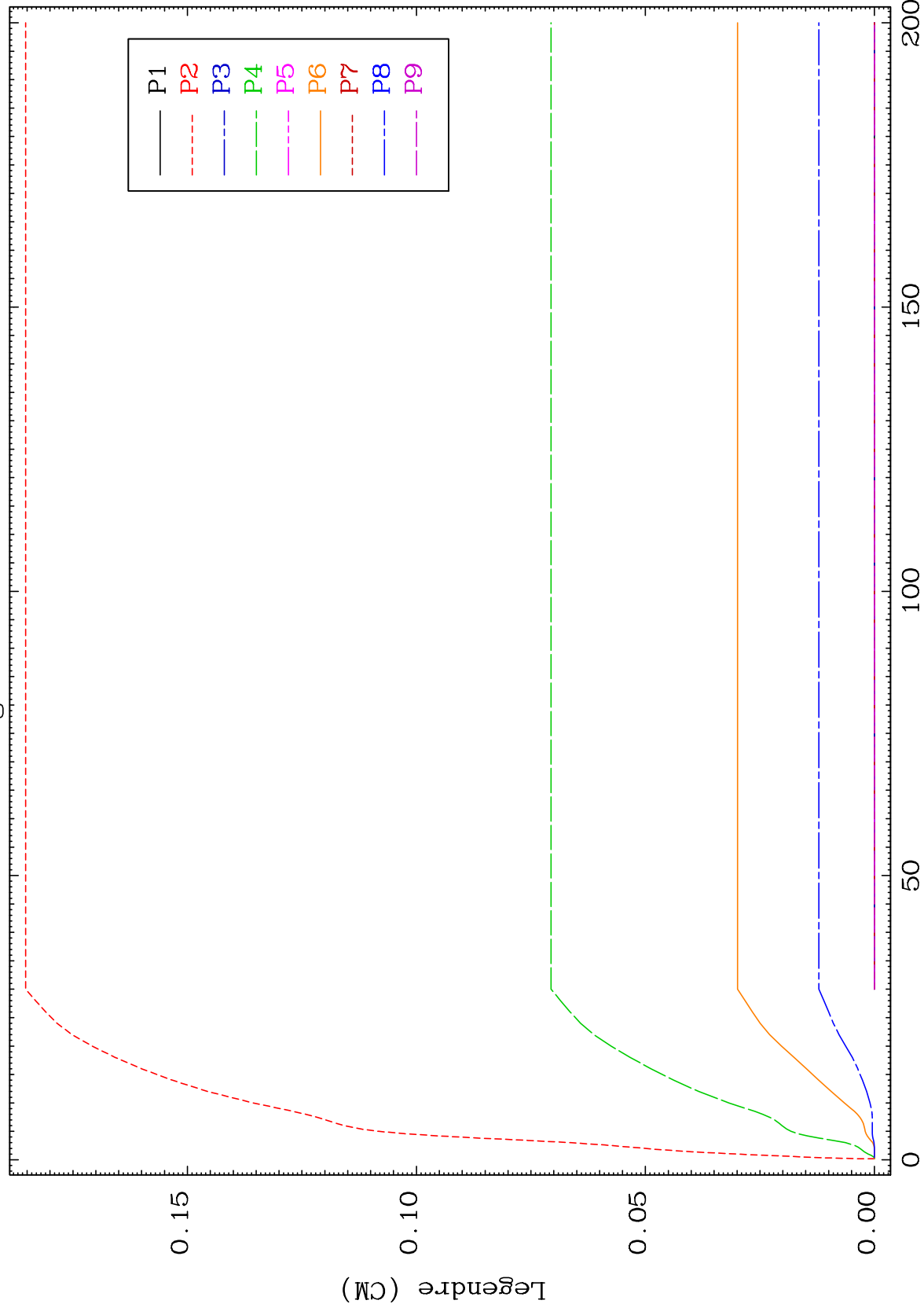
Incident Energy (MeV)

53-I -122

MAT 5310

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

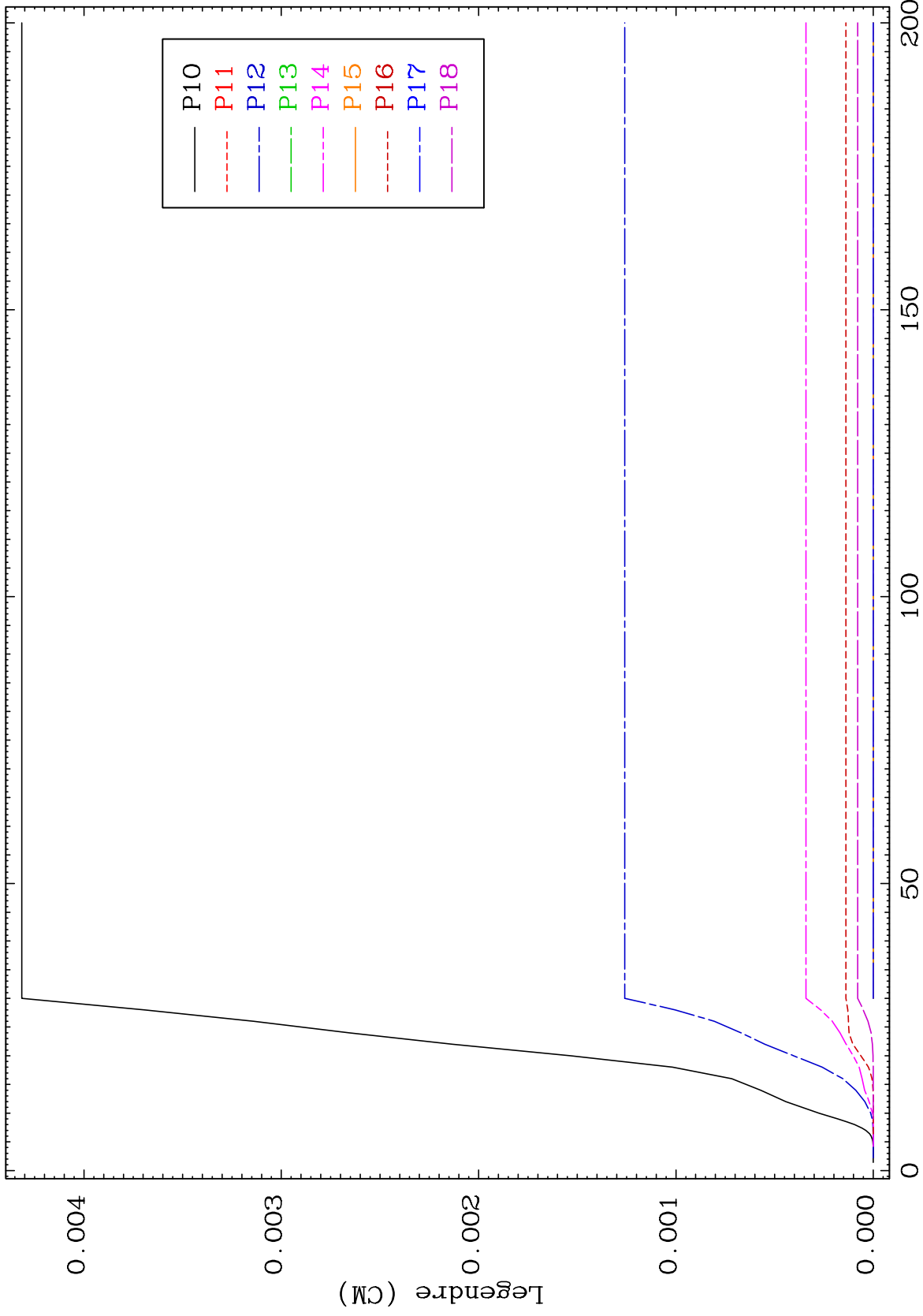
53-I -122



43

Incident Energy (MeV)

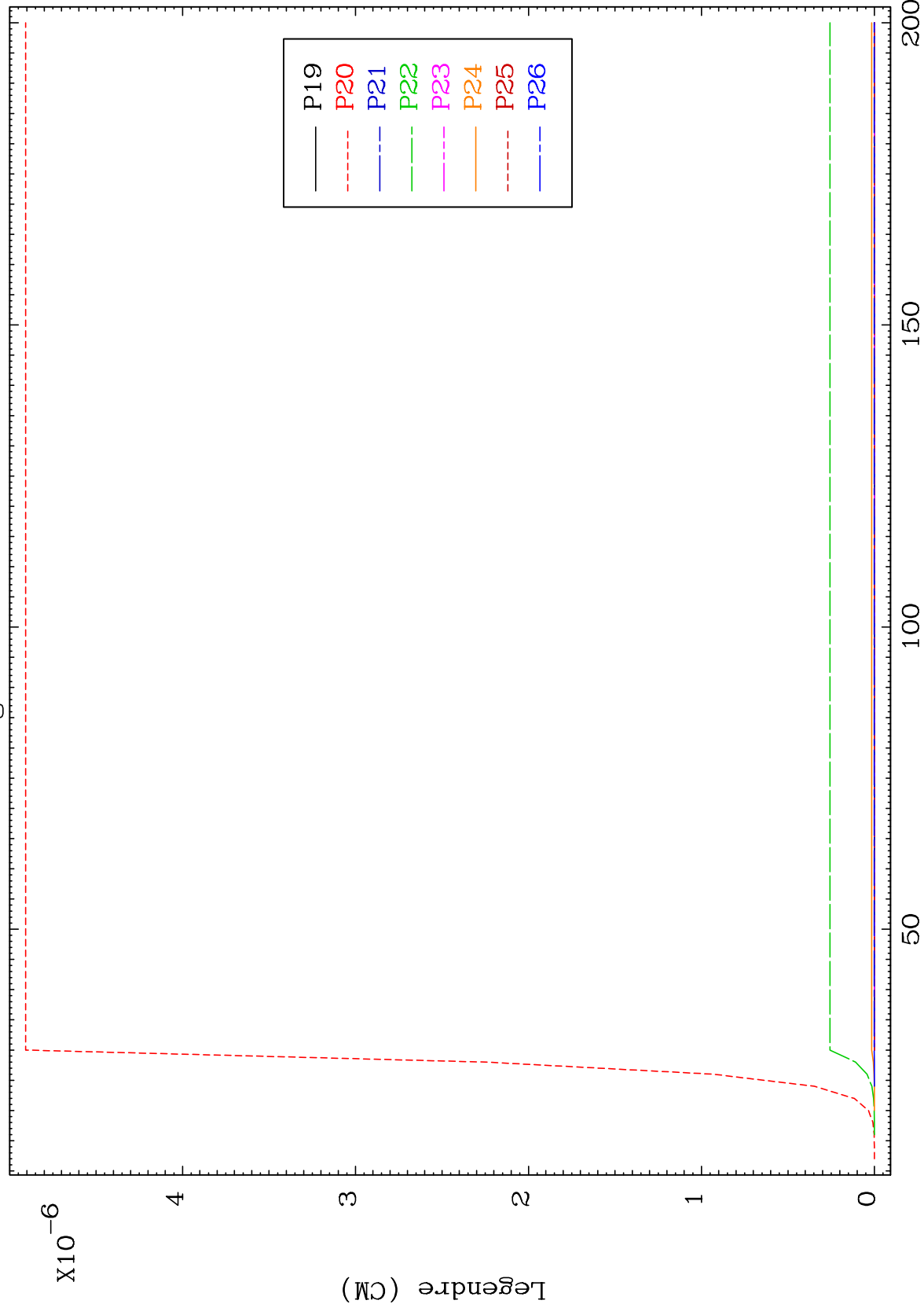
53-I -122



MAT 5310

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

53-I -122



45

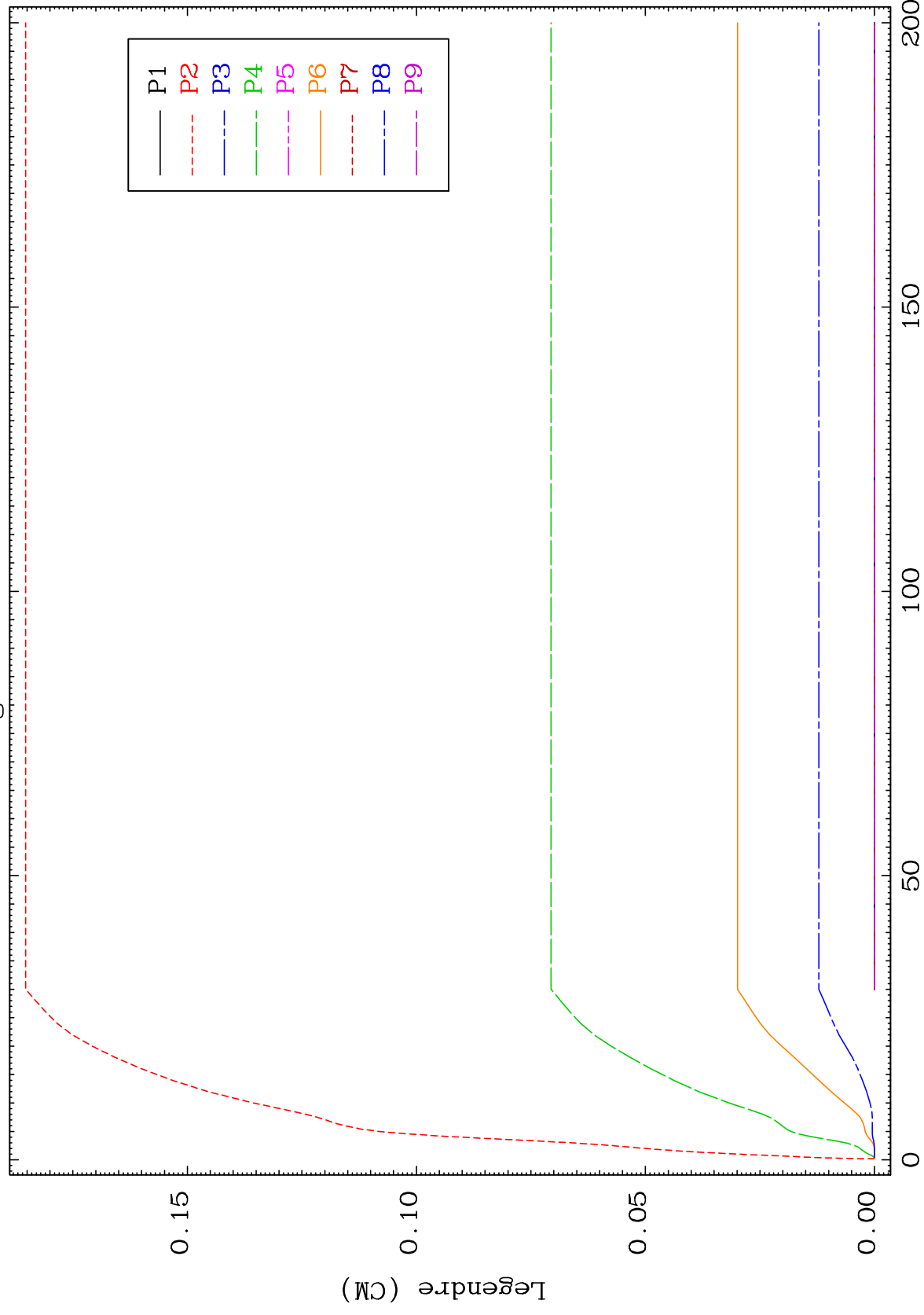
Incident Energy (MeV)

53-I -122

MAT 5310

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

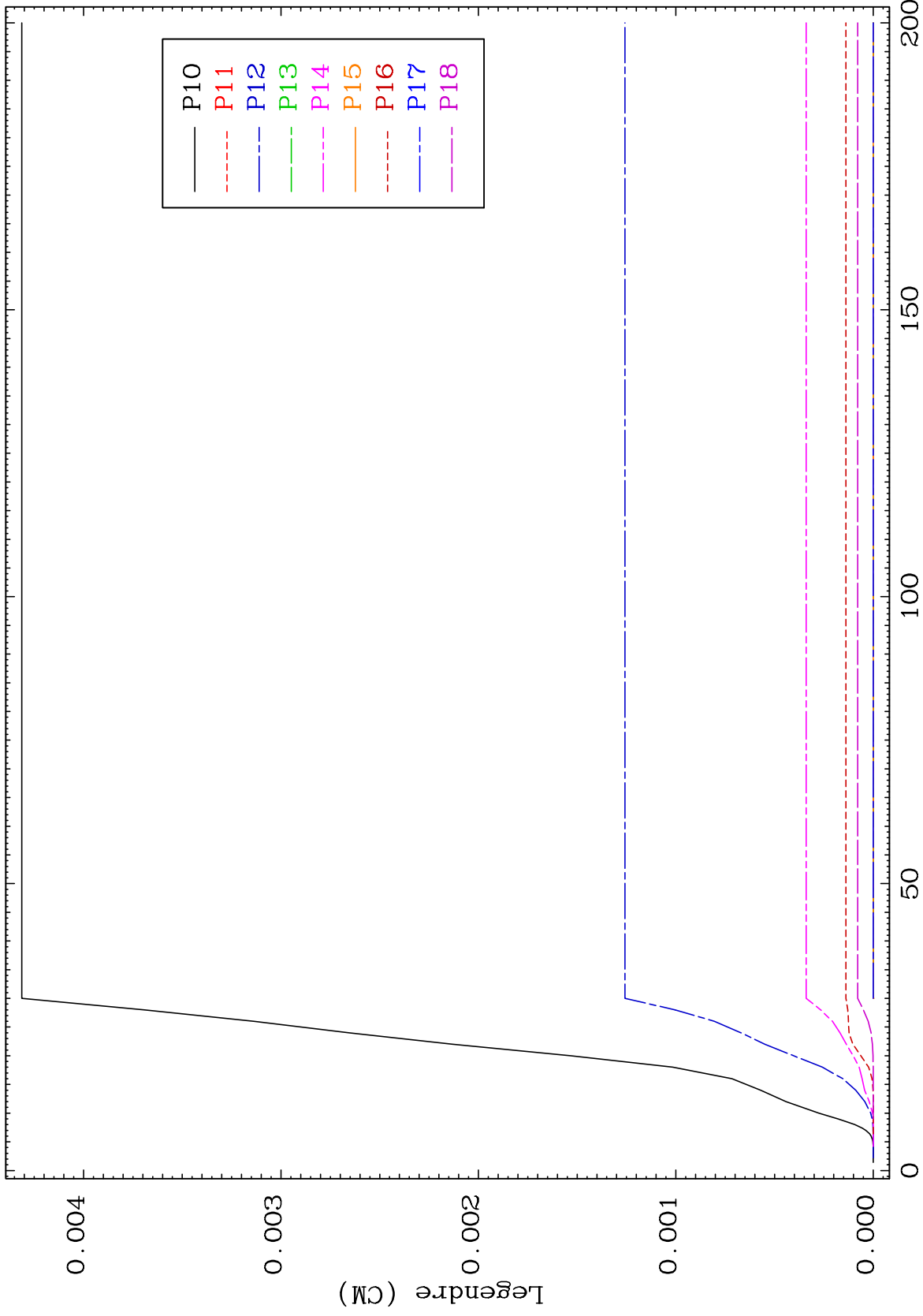
53-I -122



46

Incident Energy (MeV)

53-I -122

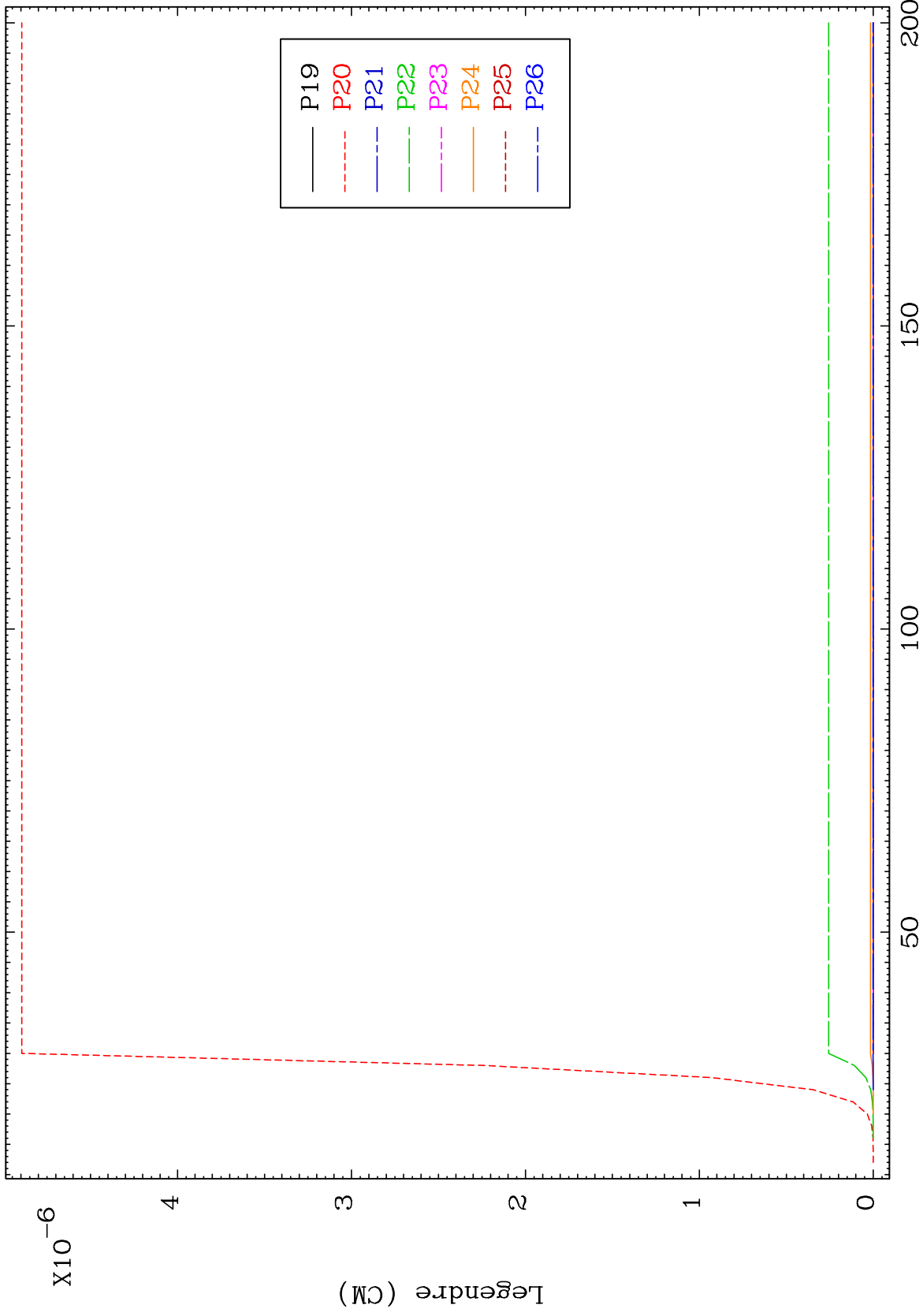




MAT 5310

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

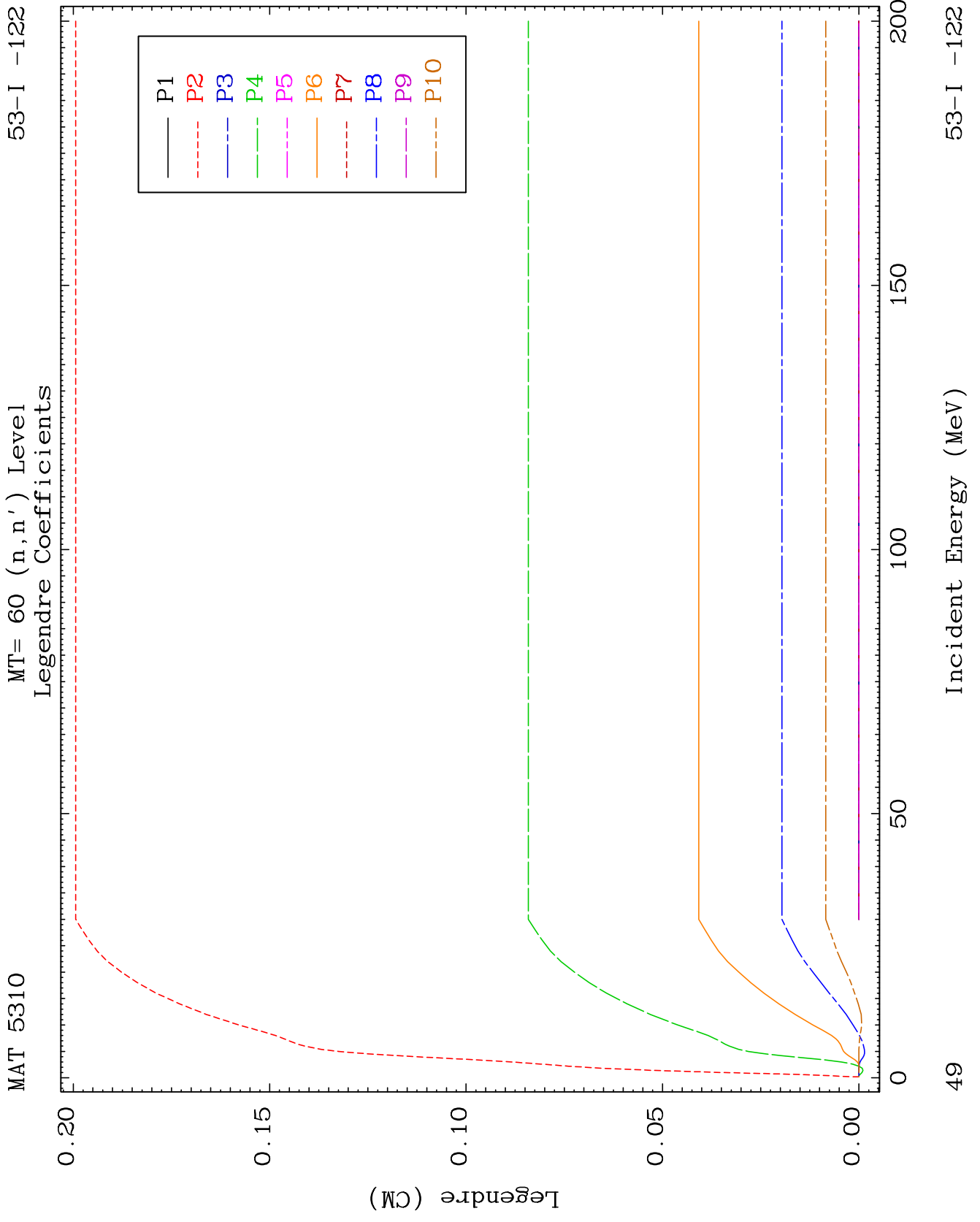
53-I -122



48

Incident Energy (MeV)

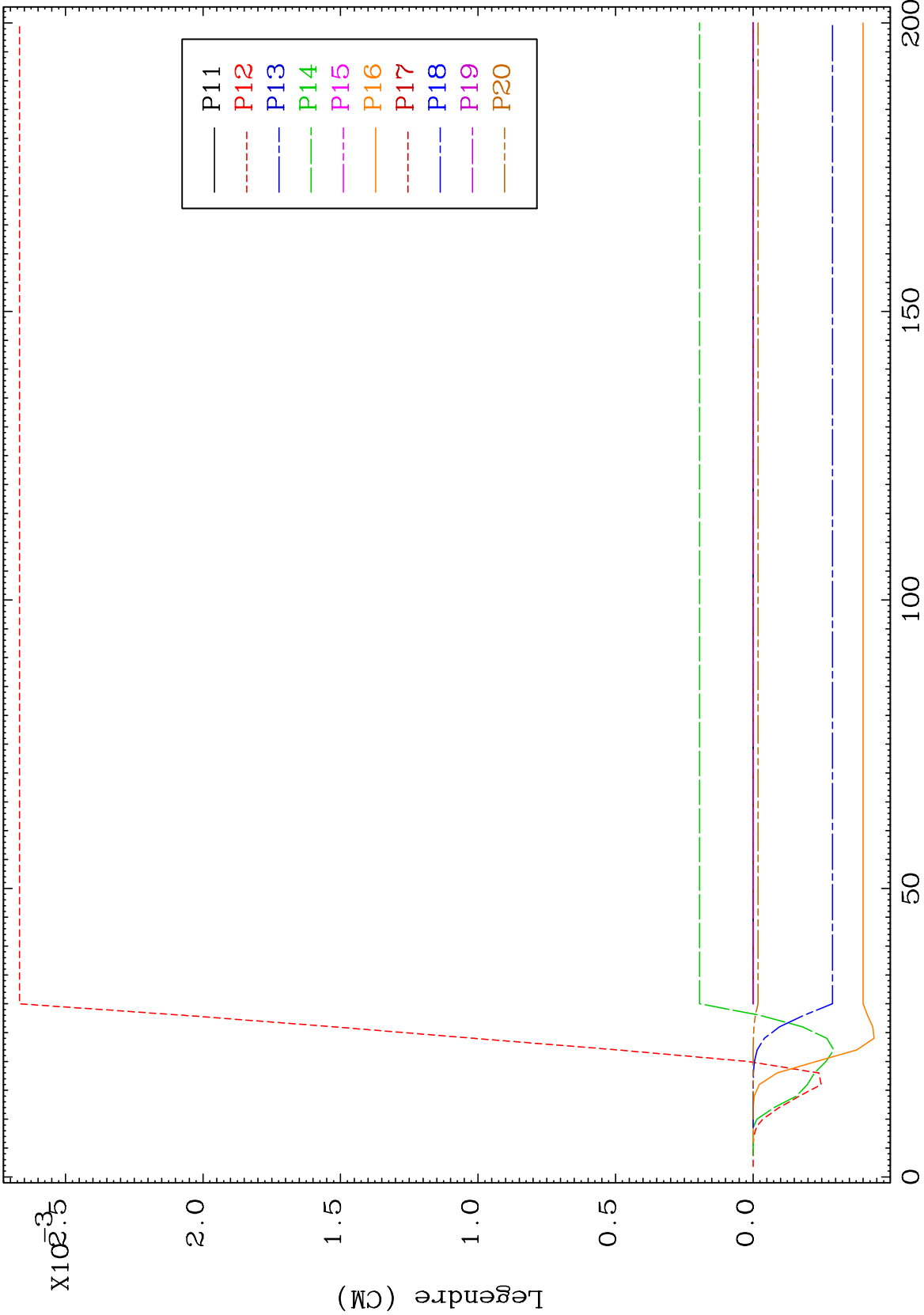
53-I -122



MAT 5310

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

53-I -122



53-I -122

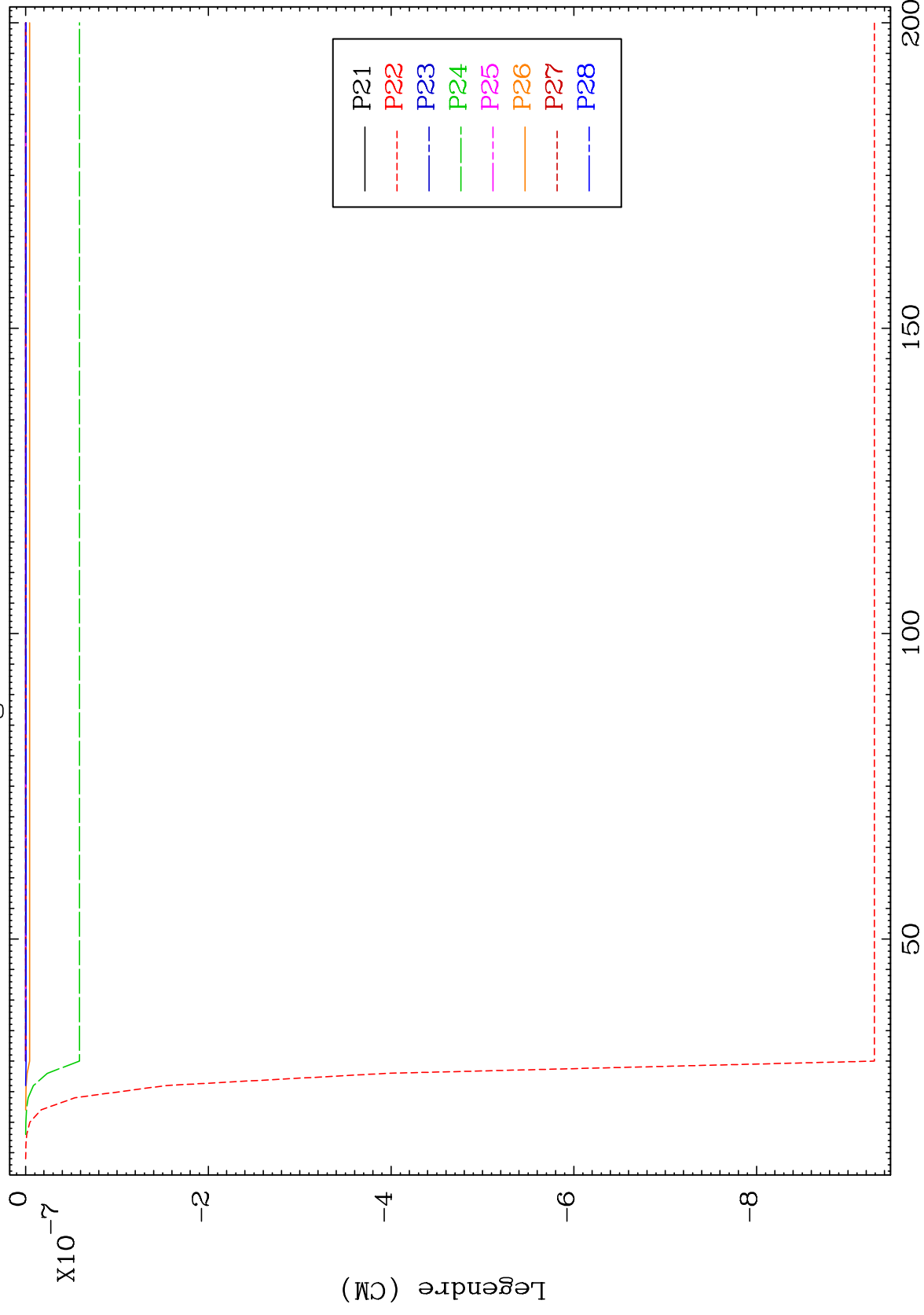
Incident Energy (MeV)

50

MAT 5310

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

53-I -122



51

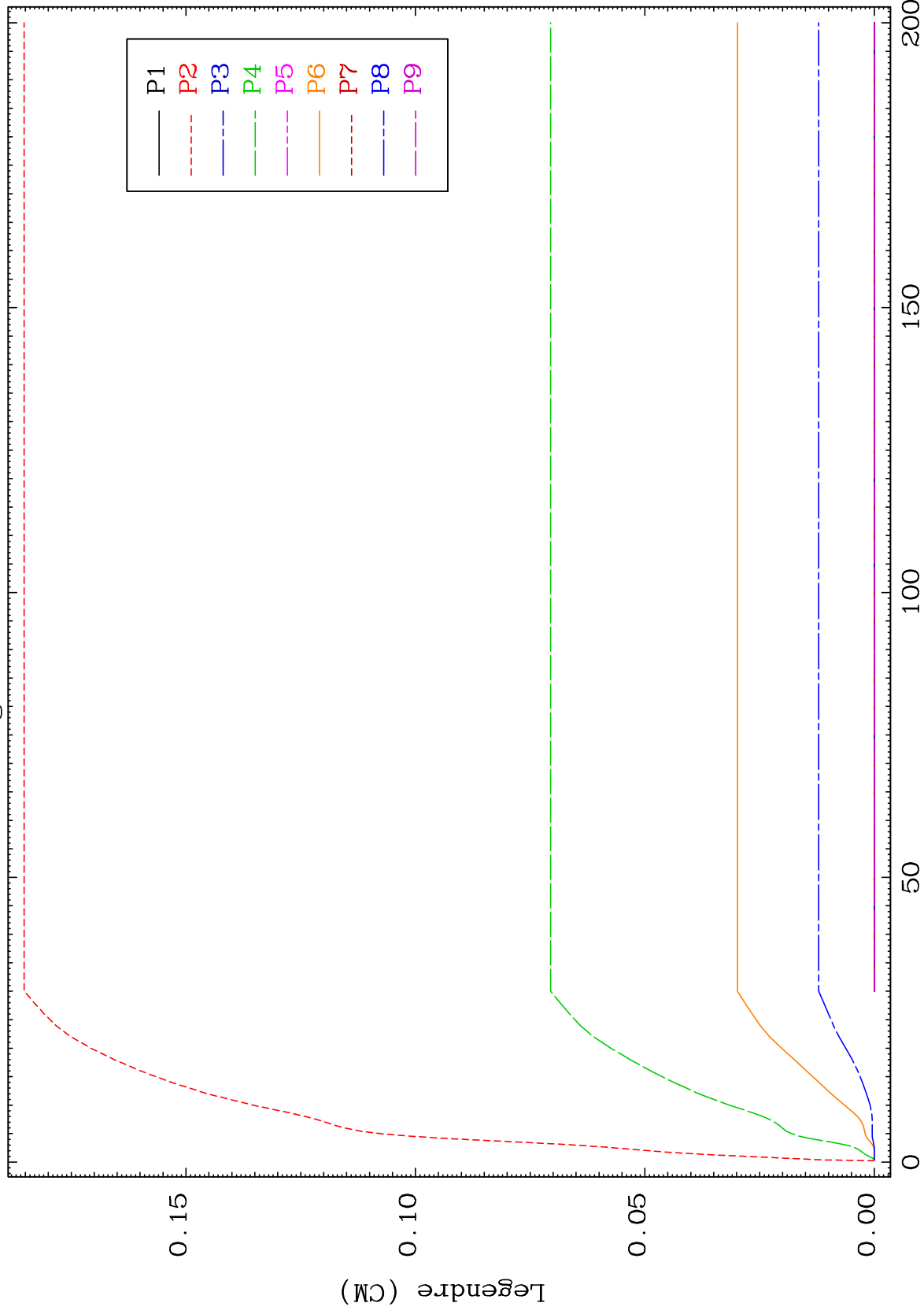
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



52

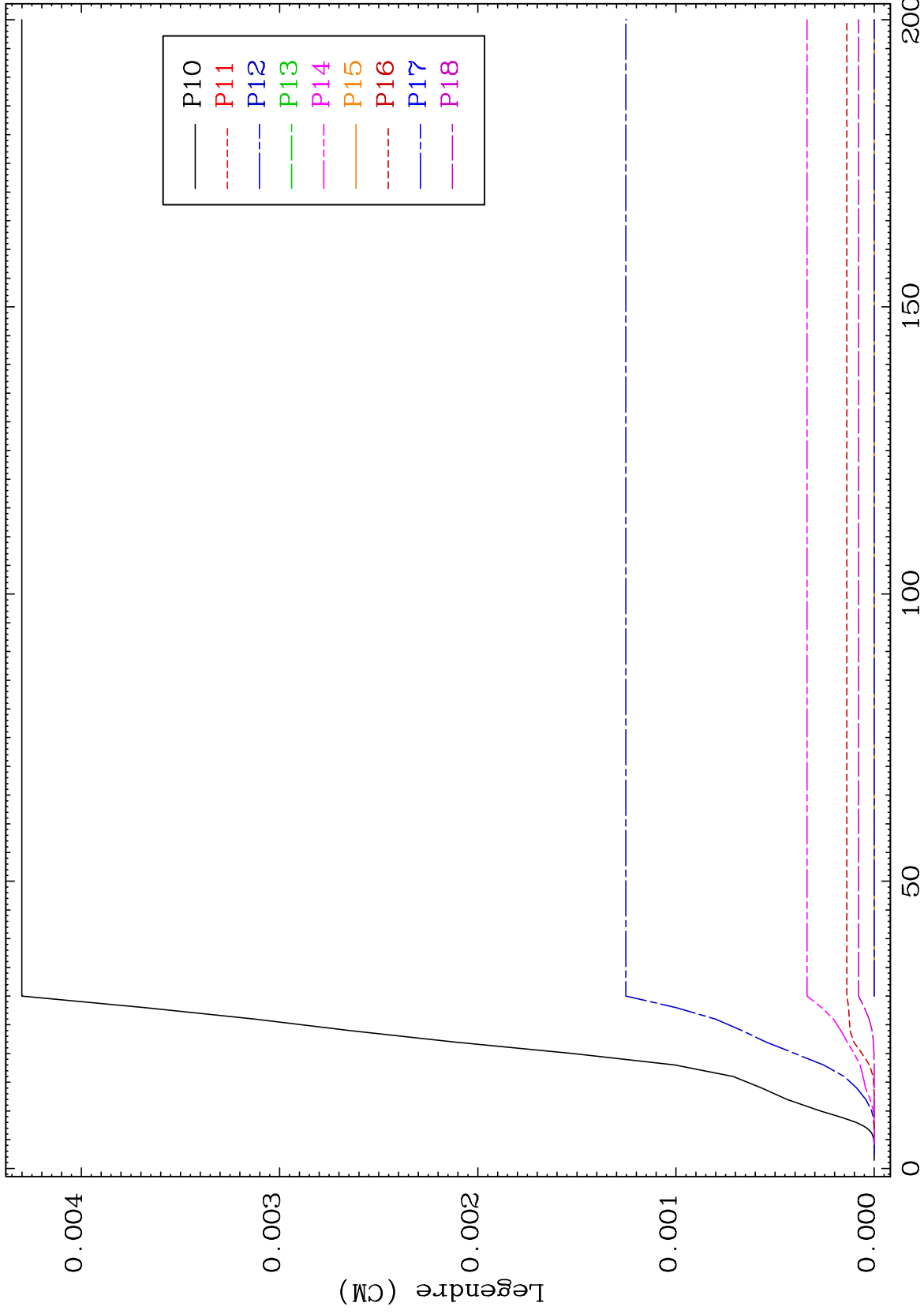
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53

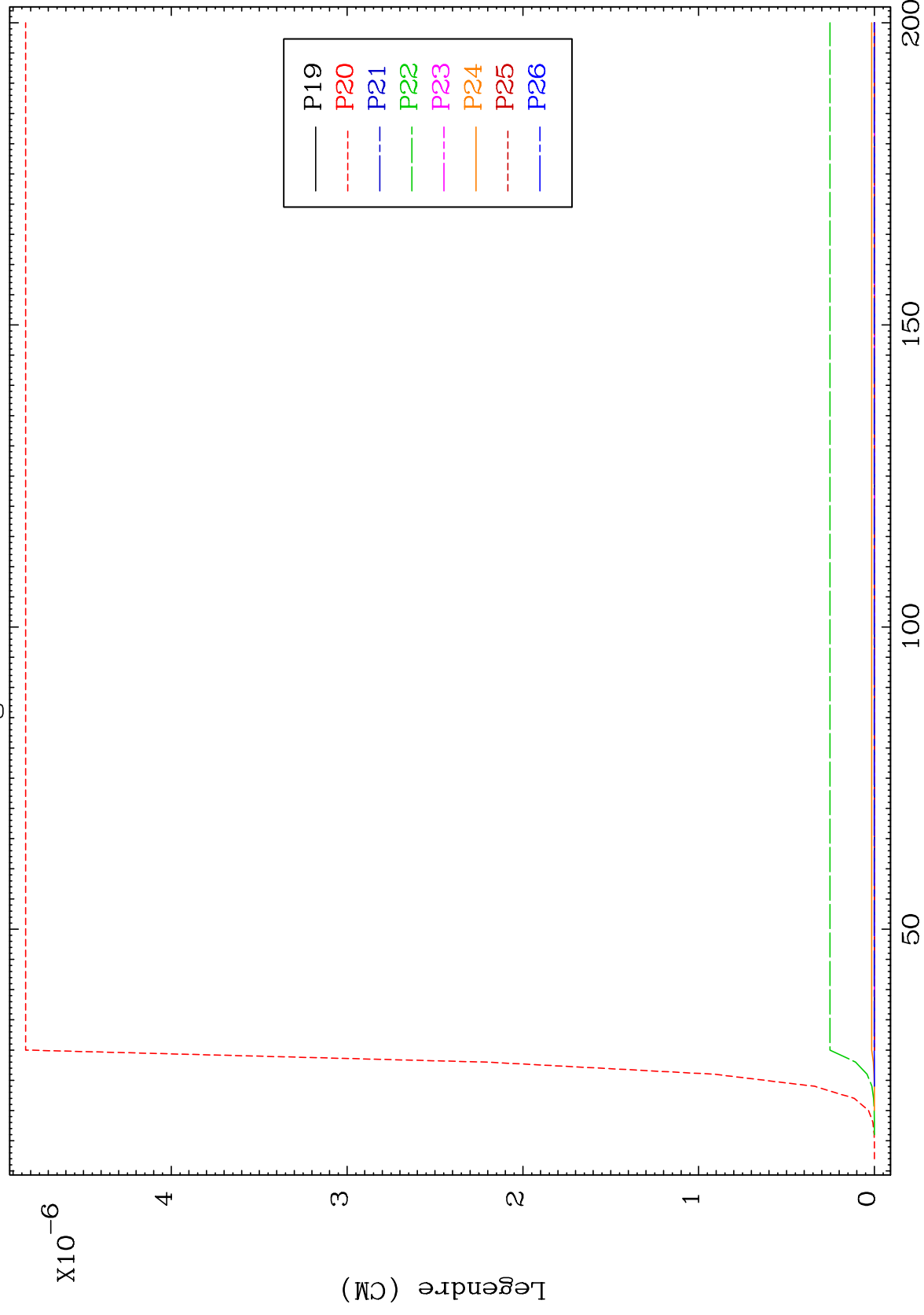
Incident Energy (MeV)

53-I -122

MAT 5310

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

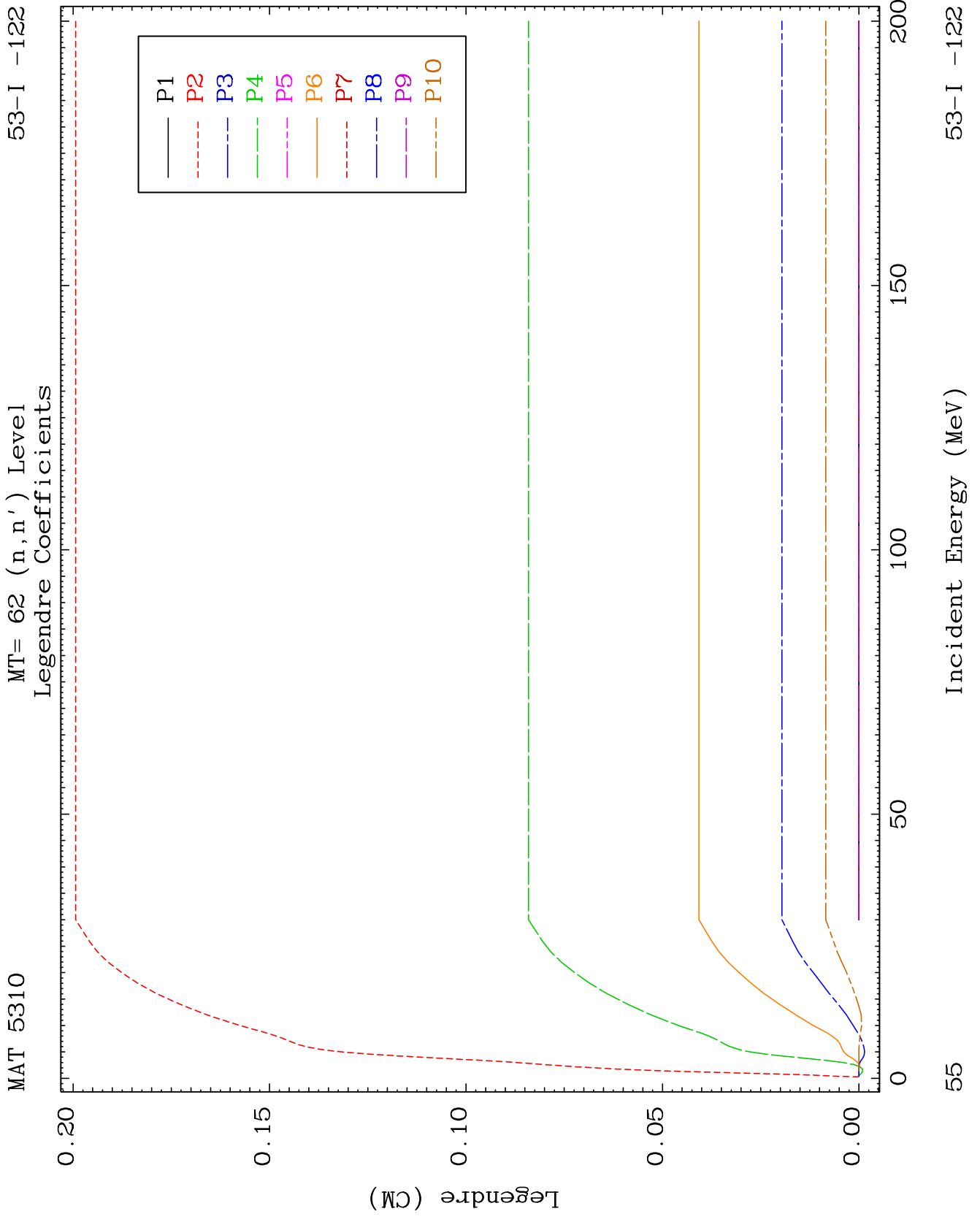
53-I -122



54

Incident Energy (MeV)

53-I -122



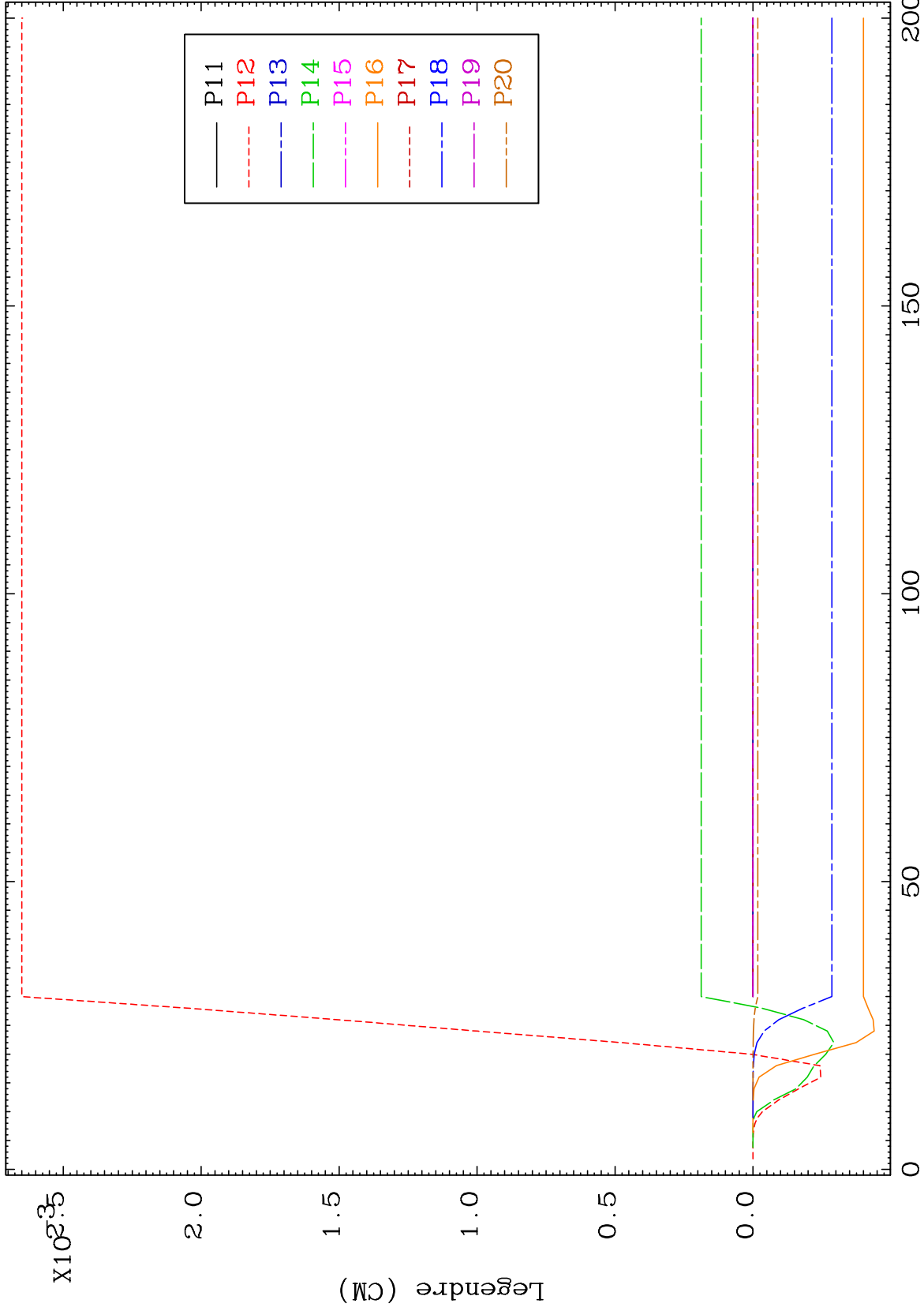


MAT 5310

MT= 62 (n,n') Level

53-I -122

Legendre Coefficients



56

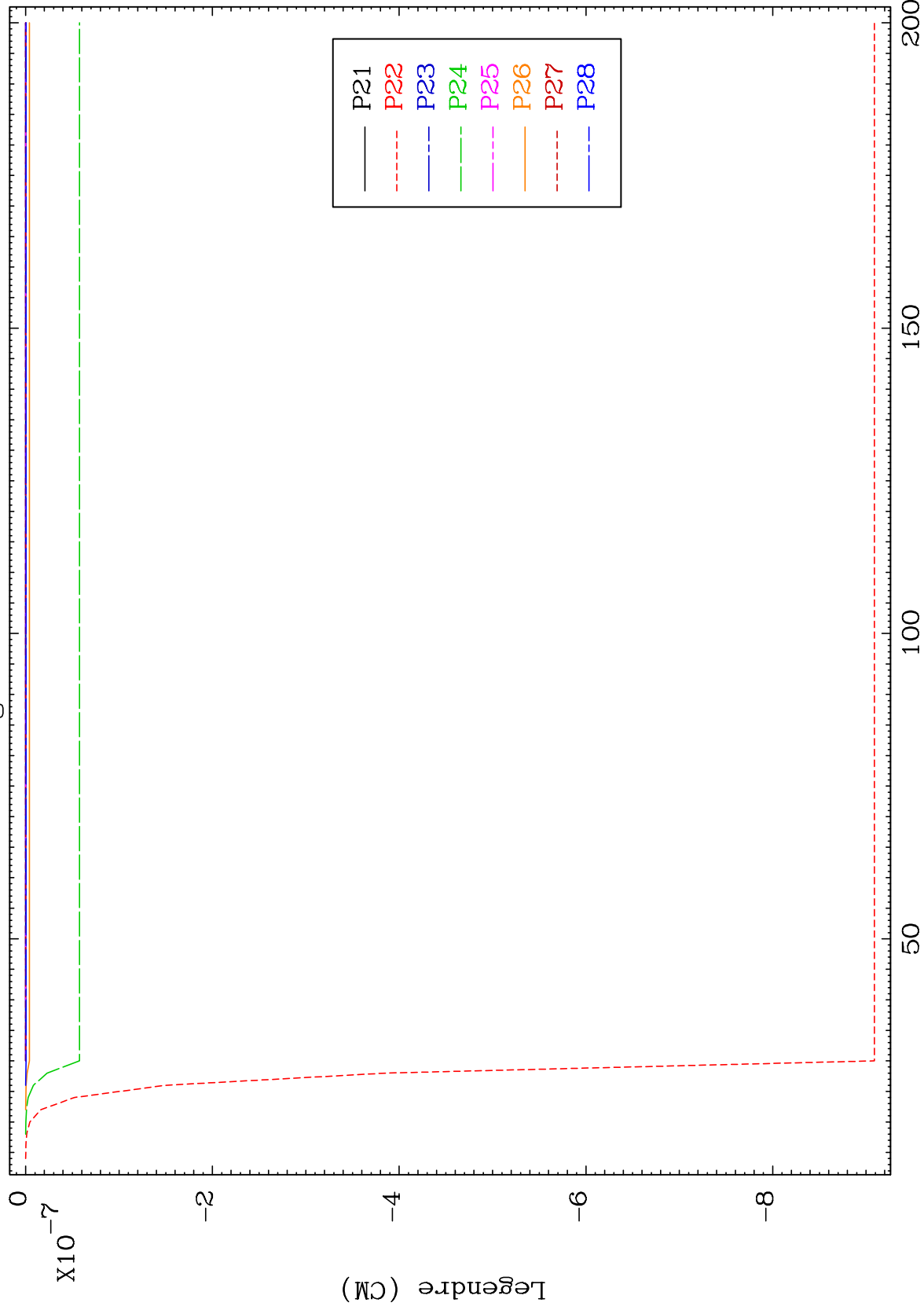
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



57

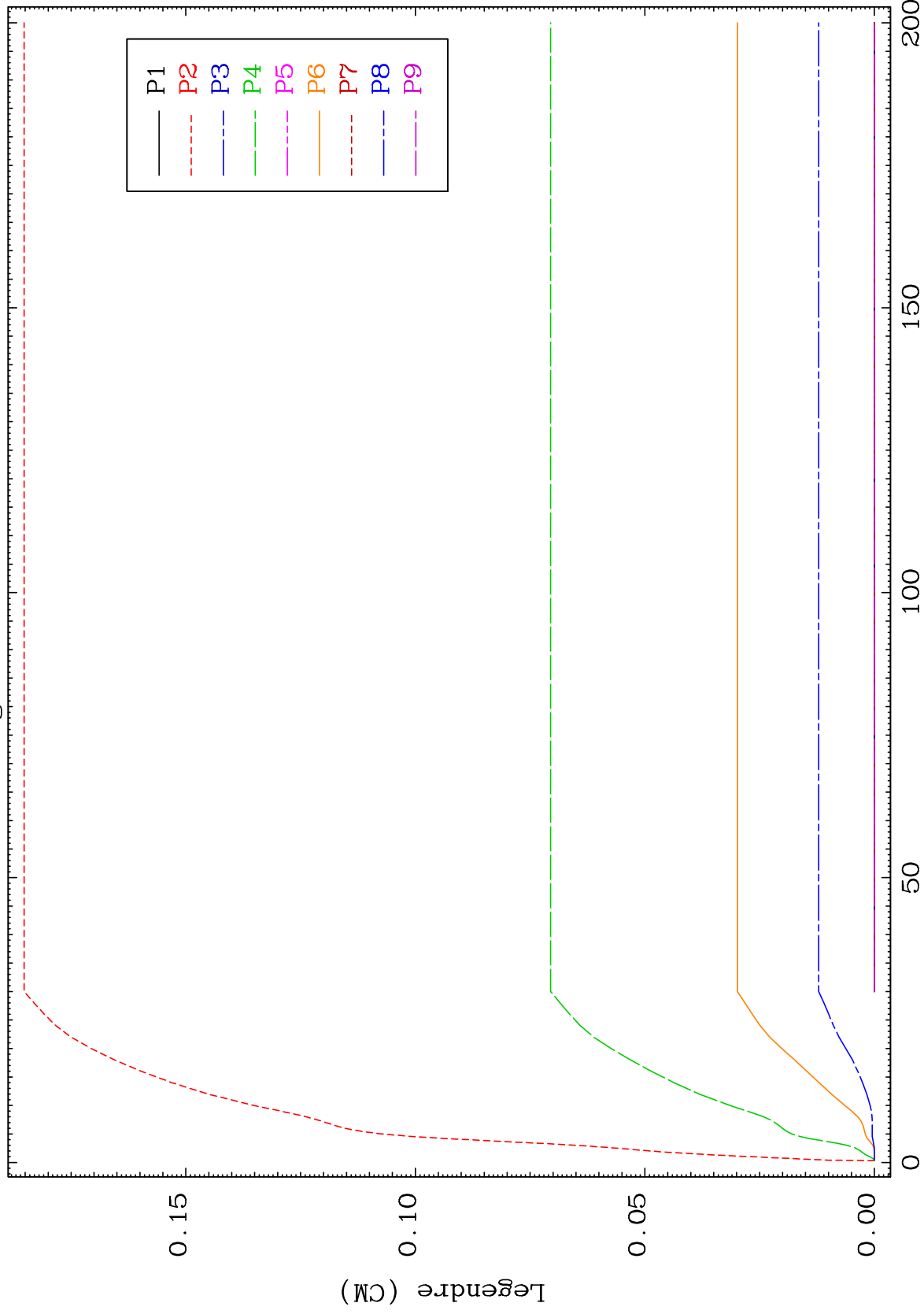
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



58

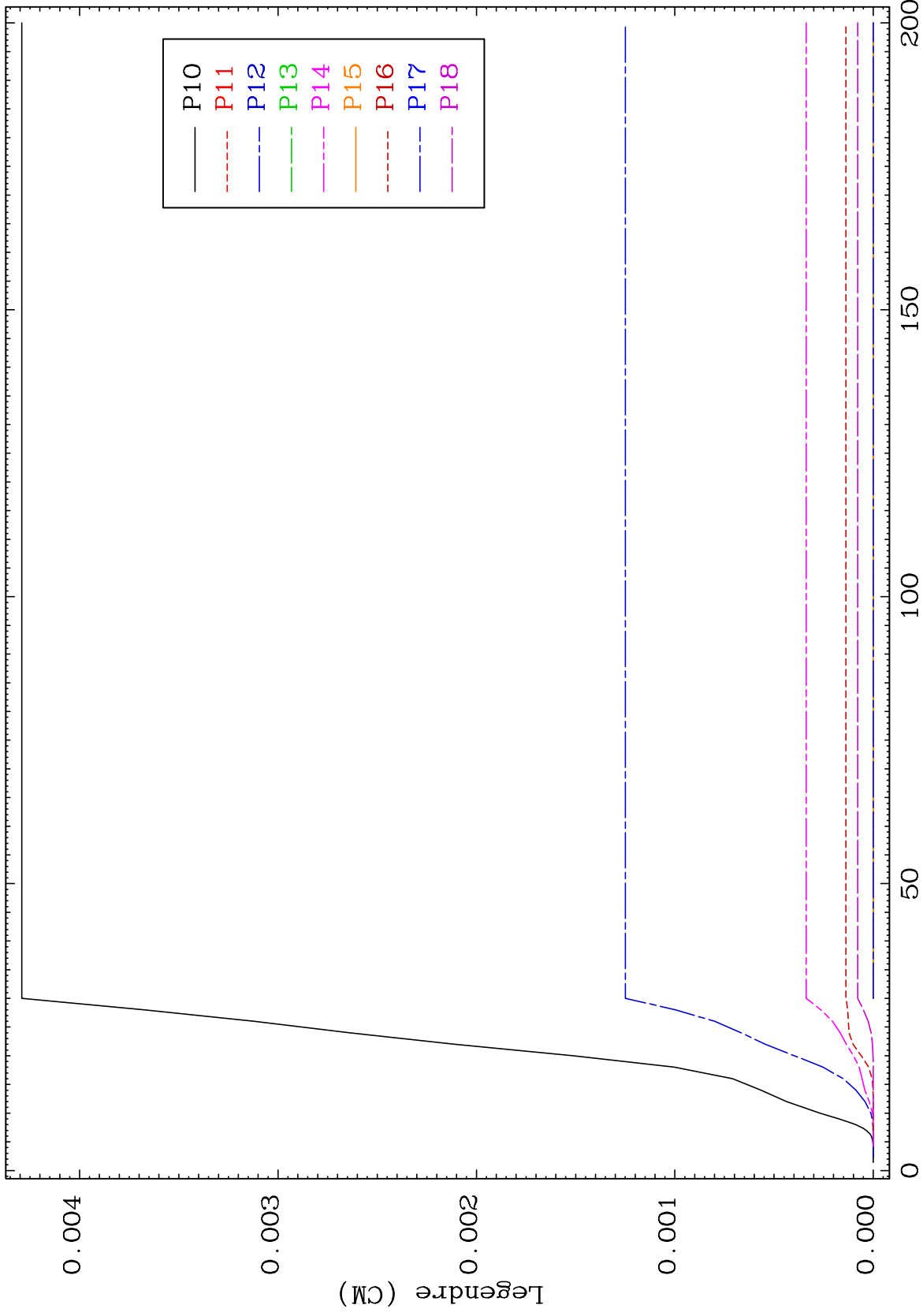
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



59

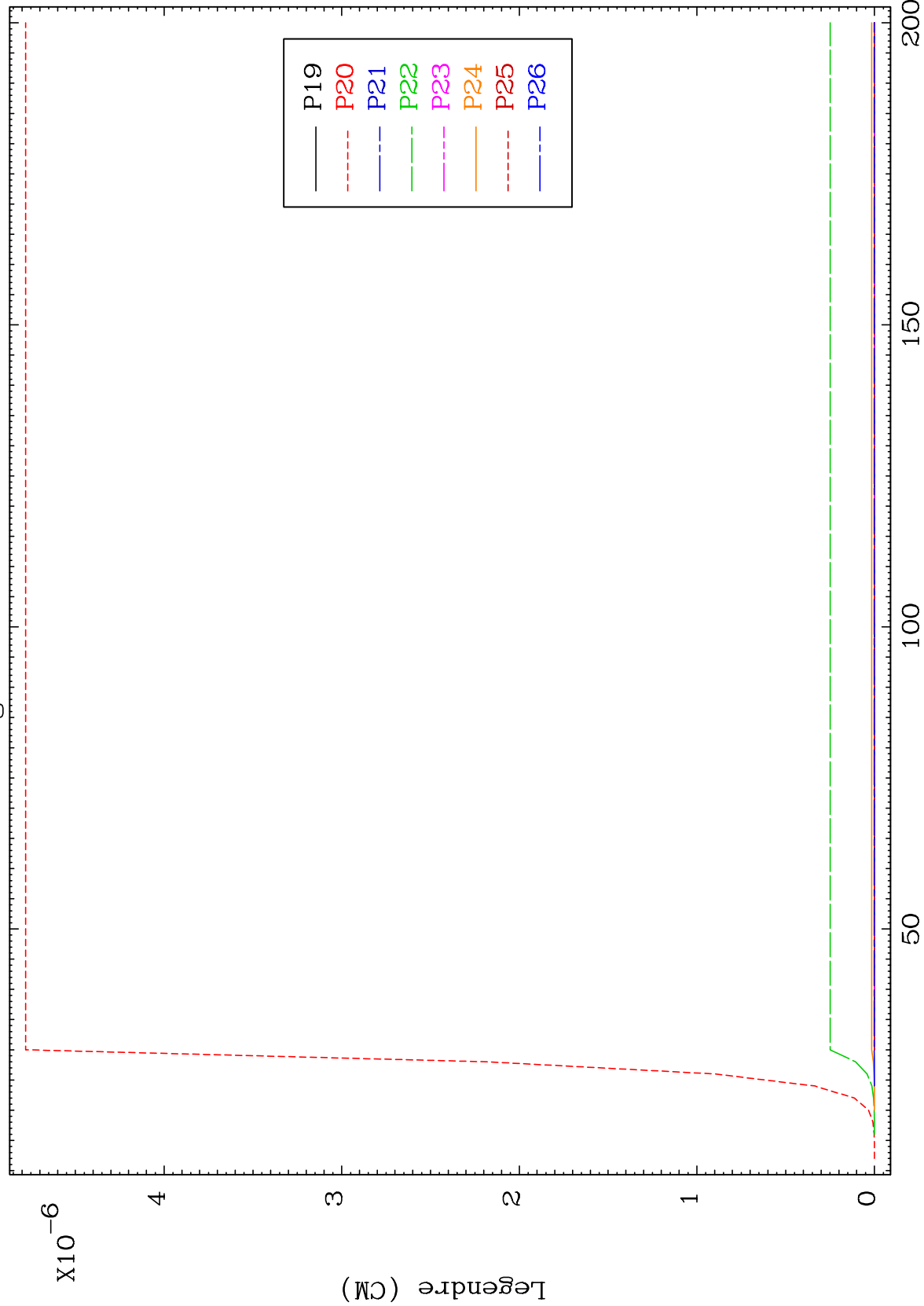
Incident Energy (MeV)

53-I -122

MAT 5310

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

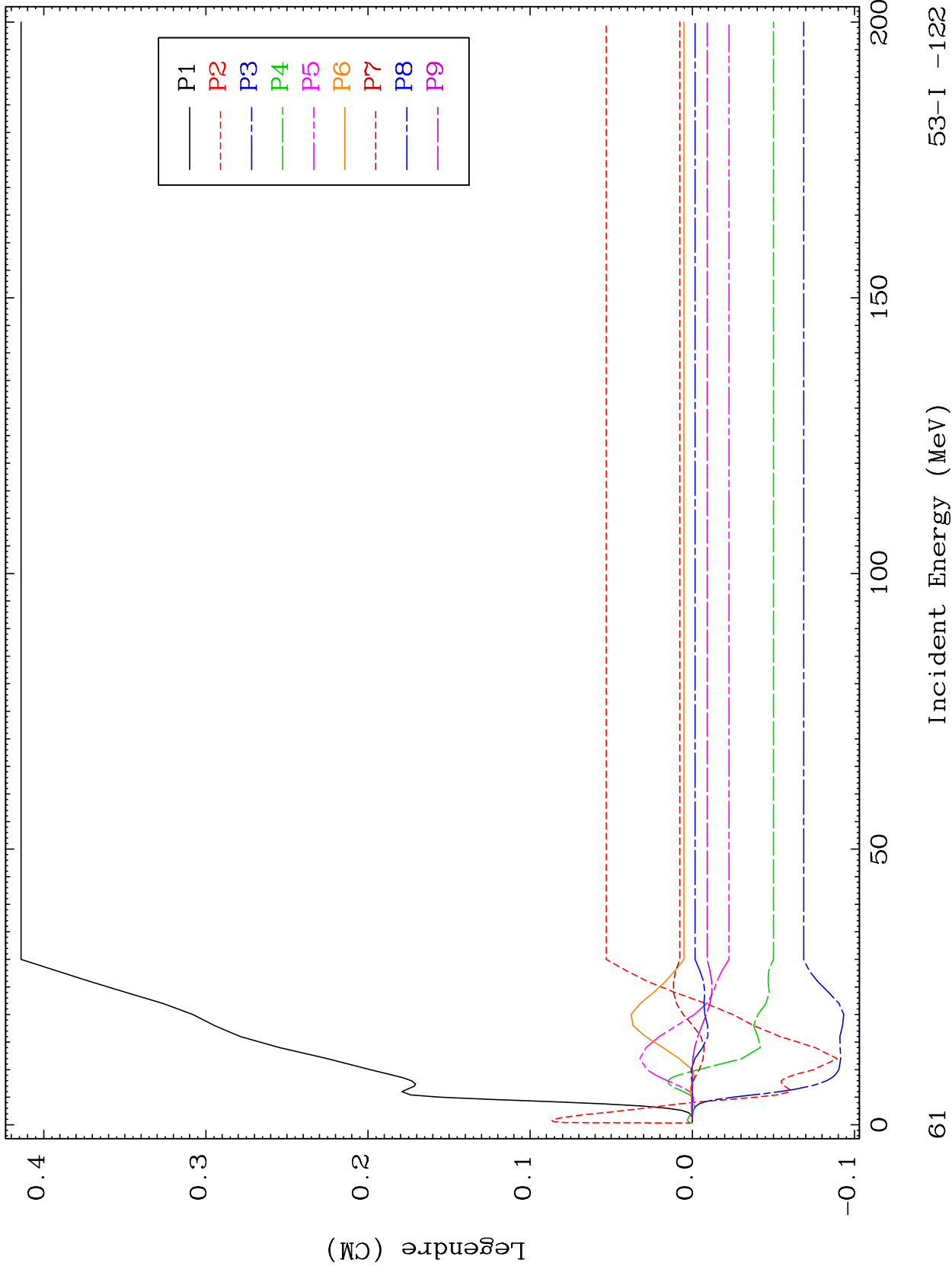
53-I -122



53-I -122

Incident Energy (MeV)

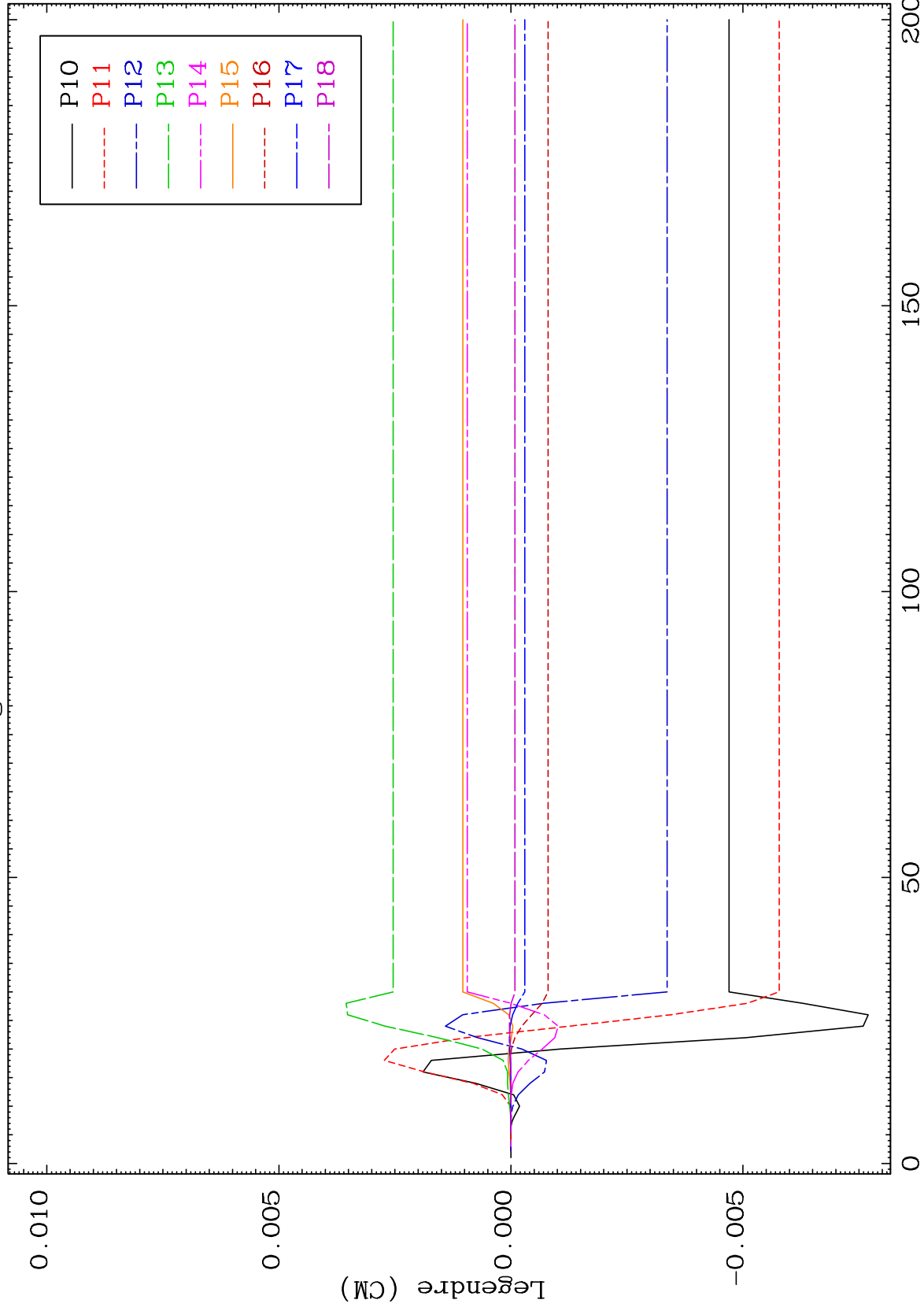
60



MAT 5310

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

53-I -122



62

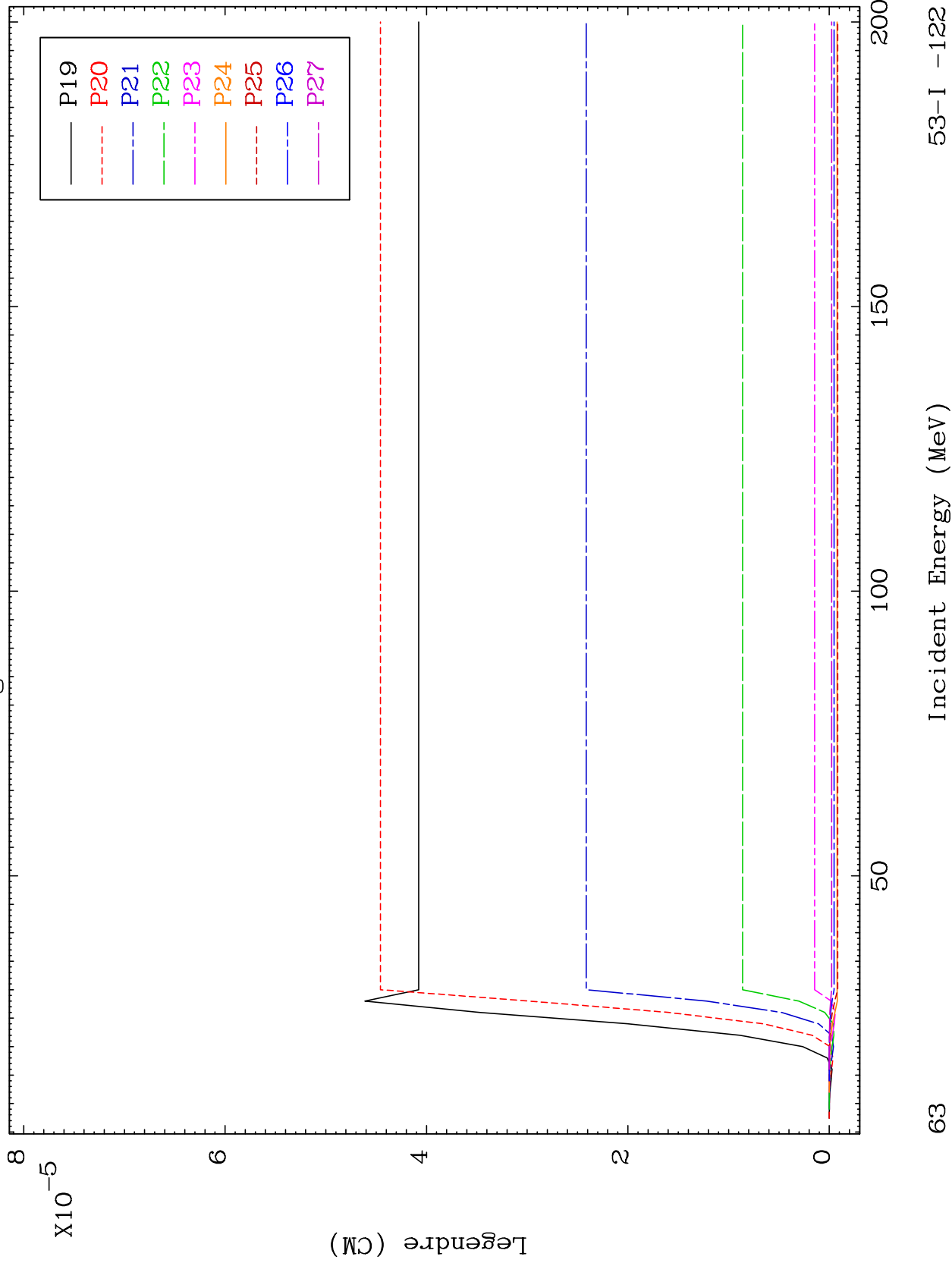
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



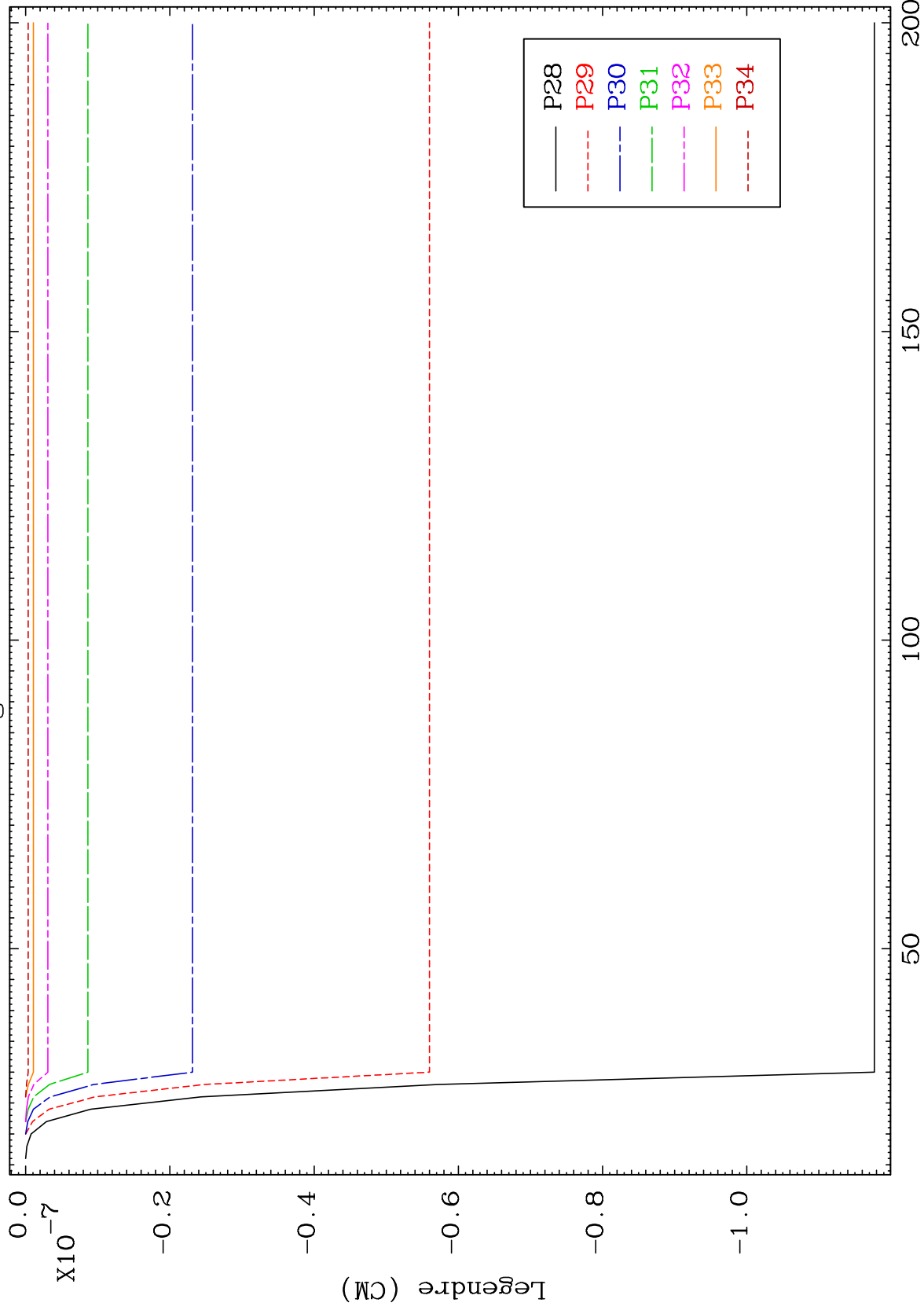


MAT 5310

MT= 64 (n,n') Level

53-I -122

Legendre Coefficients



64

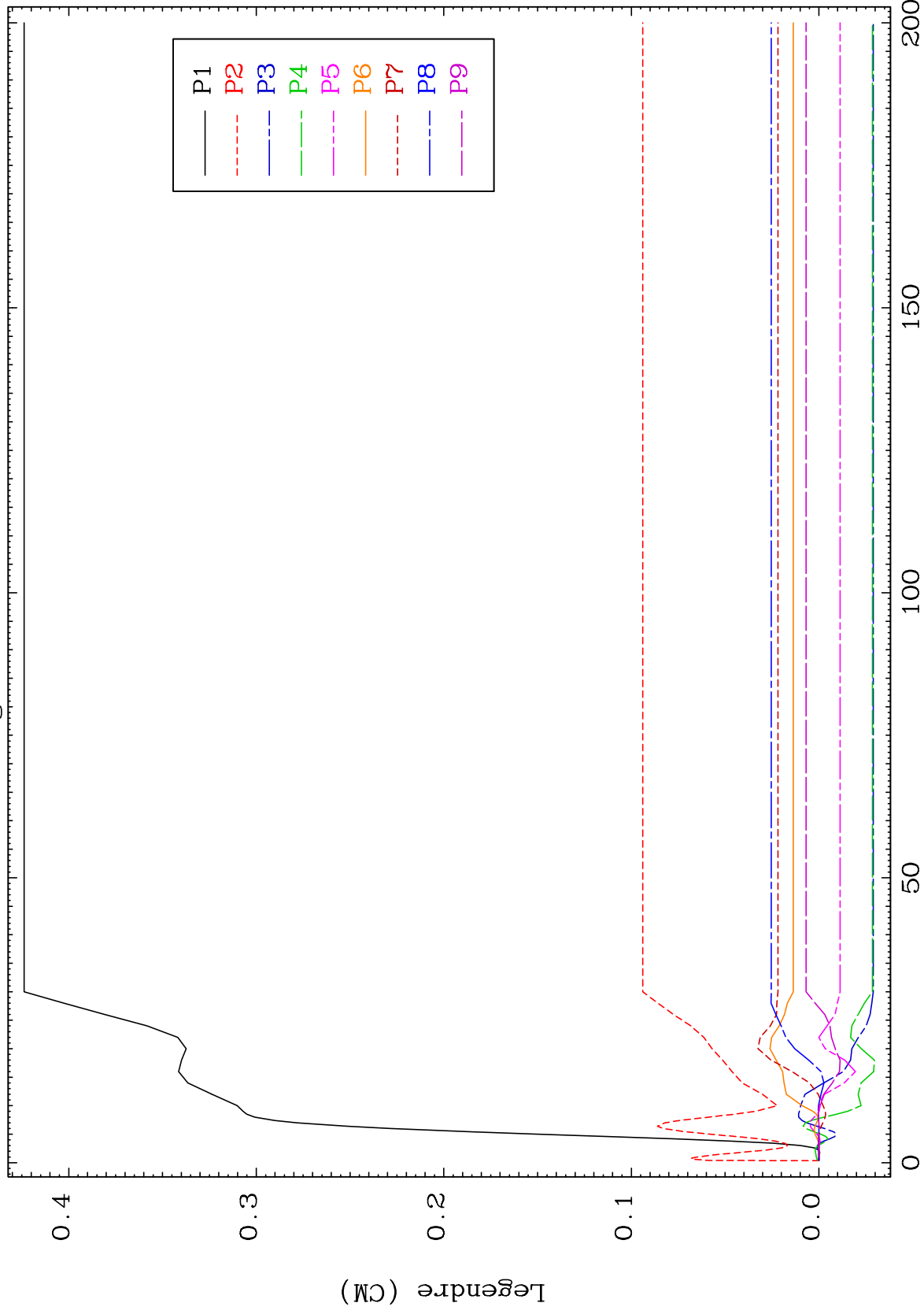
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



65

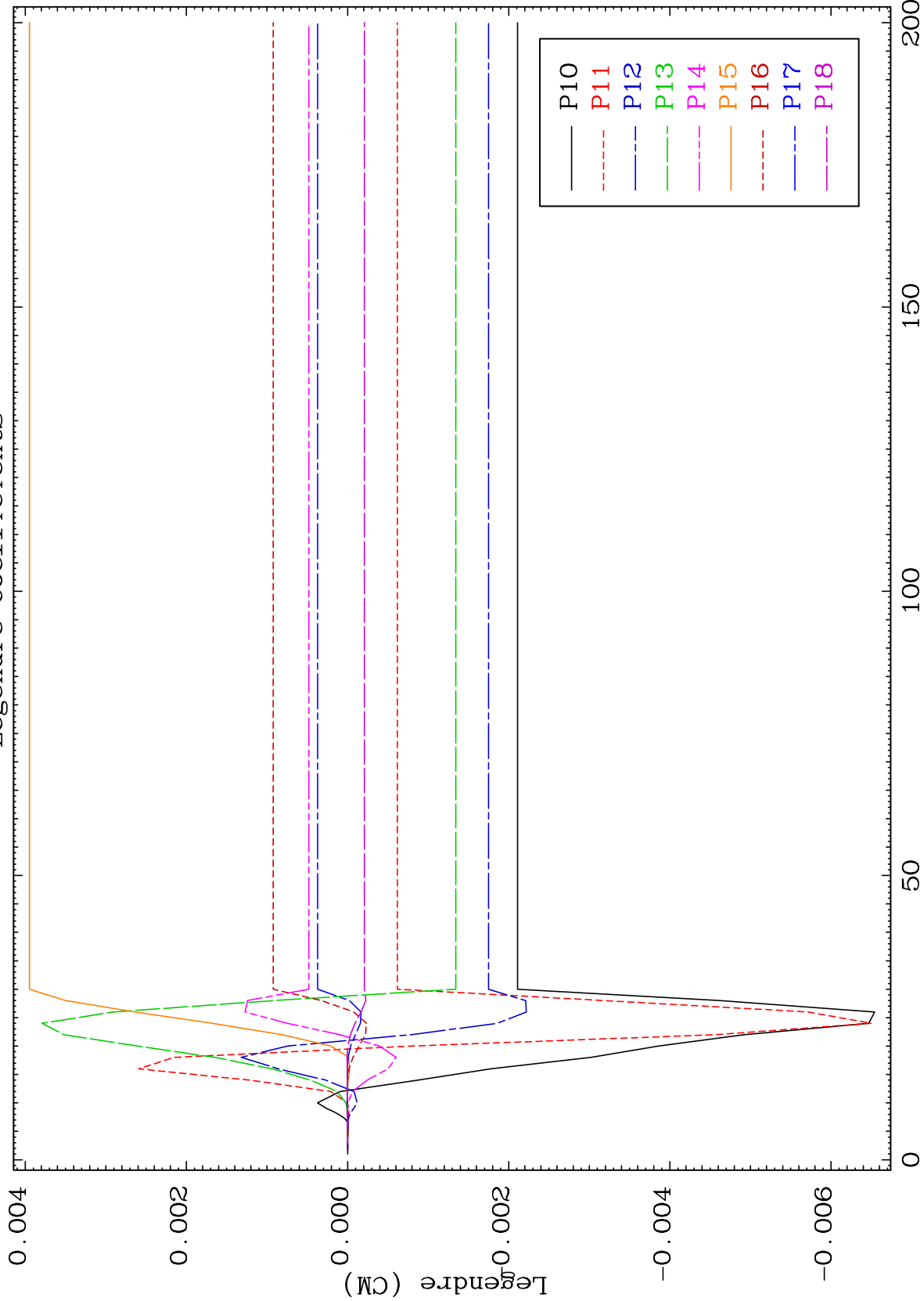
Incident Energy (MeV)

53-I -122

MAT 5310

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

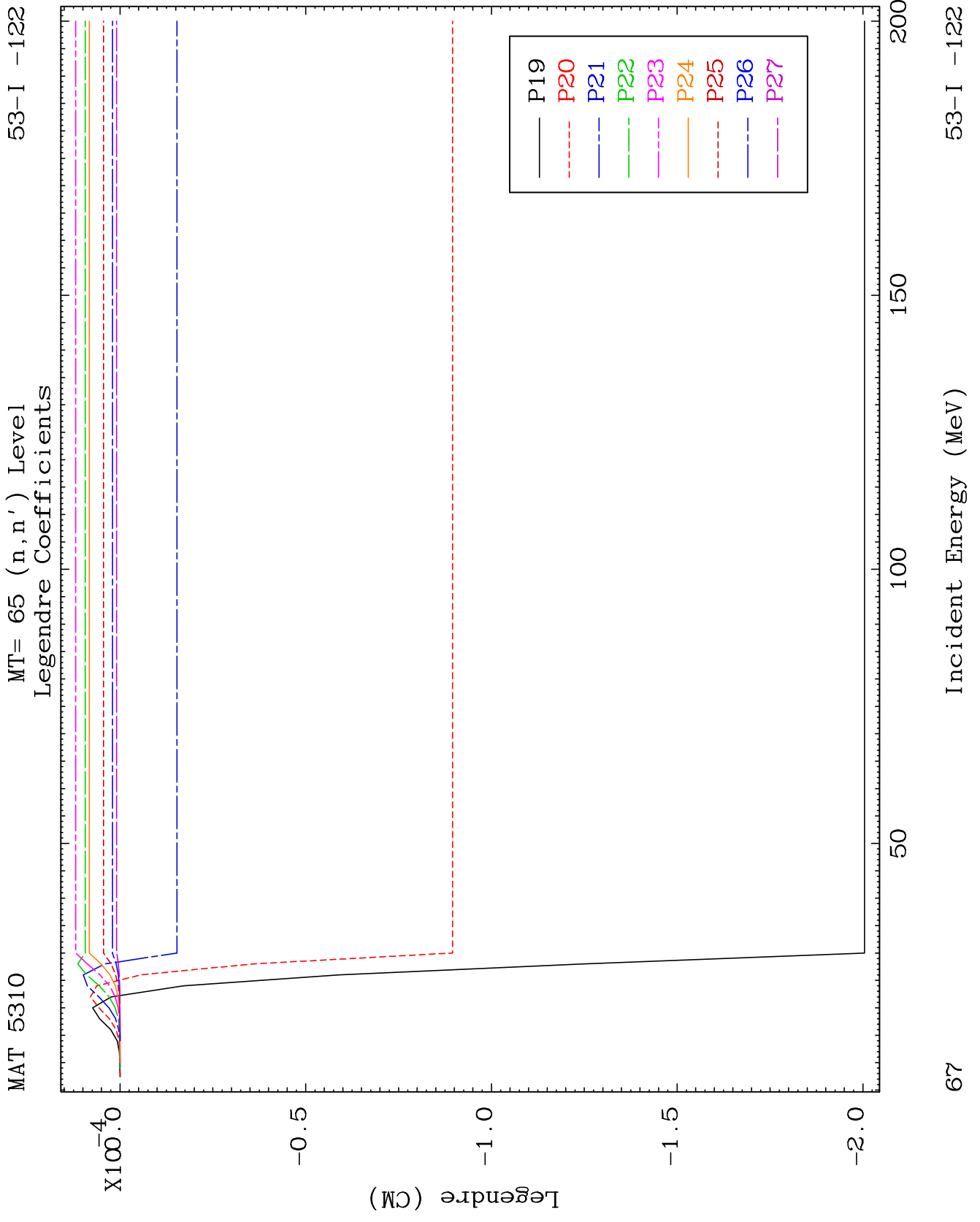
53-I -122



66

Incident Energy (MeV)

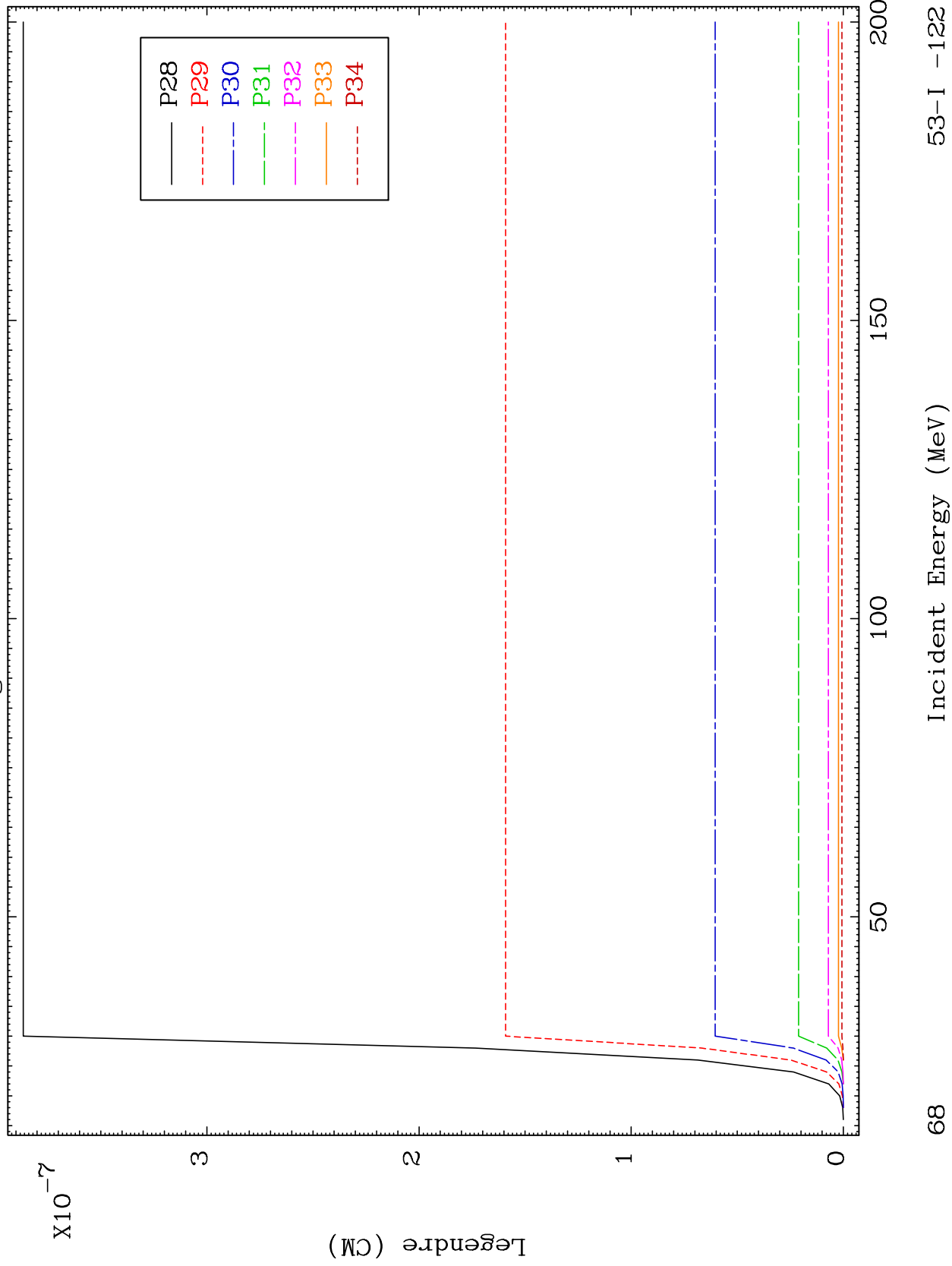
53-I -122



MAT 5310

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

53-I -122



68

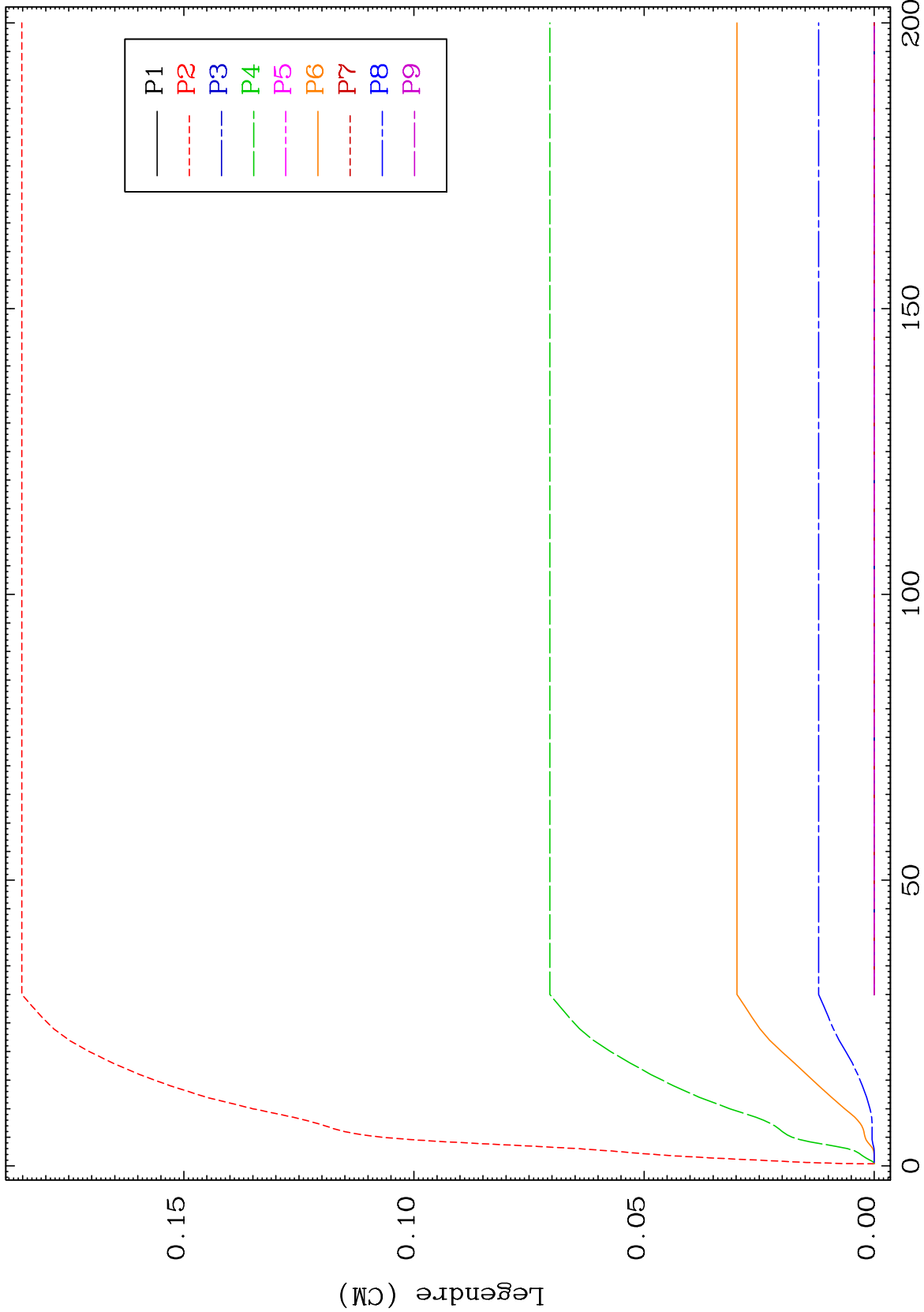
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



69

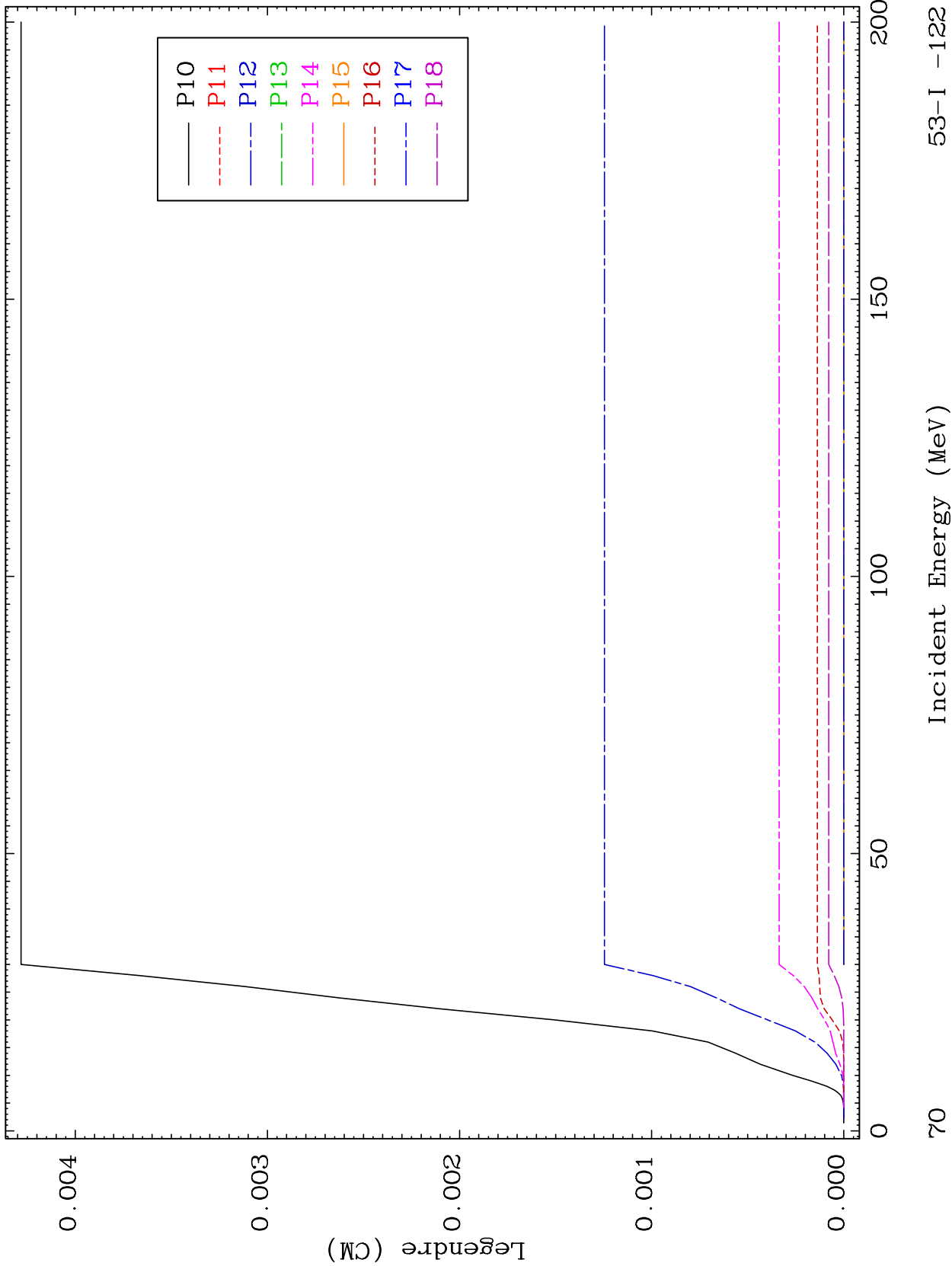
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

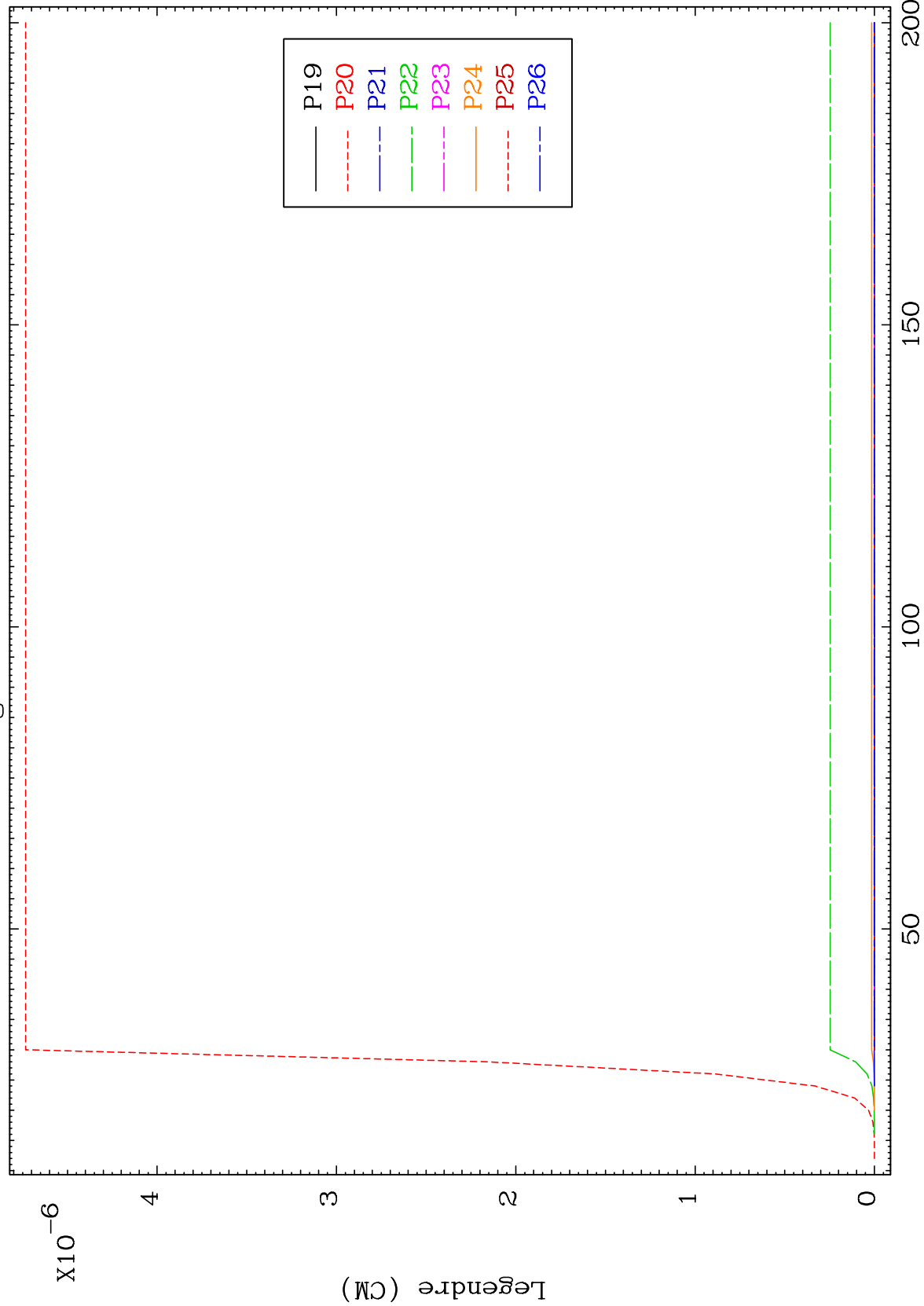
Incident Energy (MeV)

70

MAT 5310

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

53-I -122



71

Incident Energy (MeV)

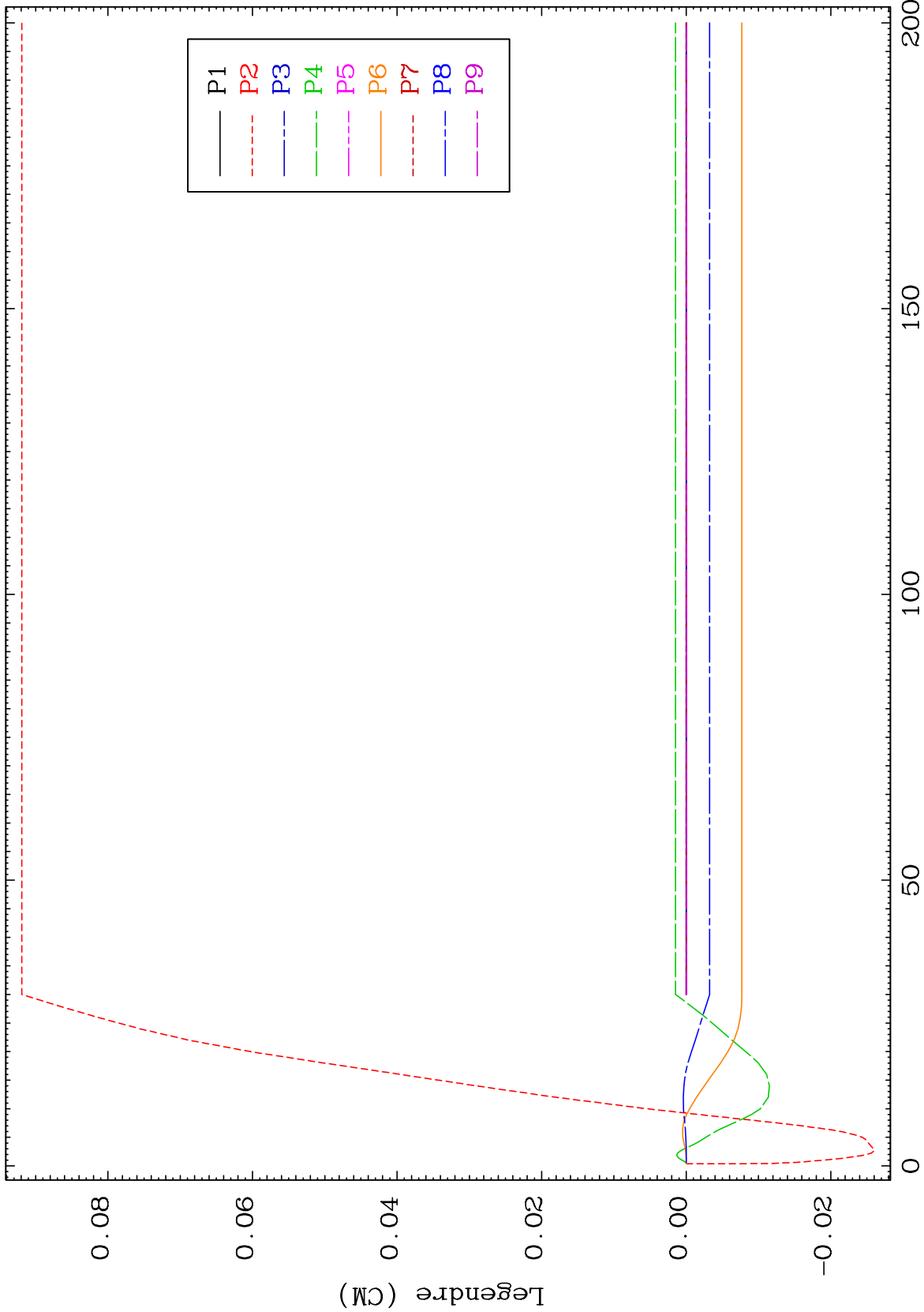
53-I -122



MAT 5310

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

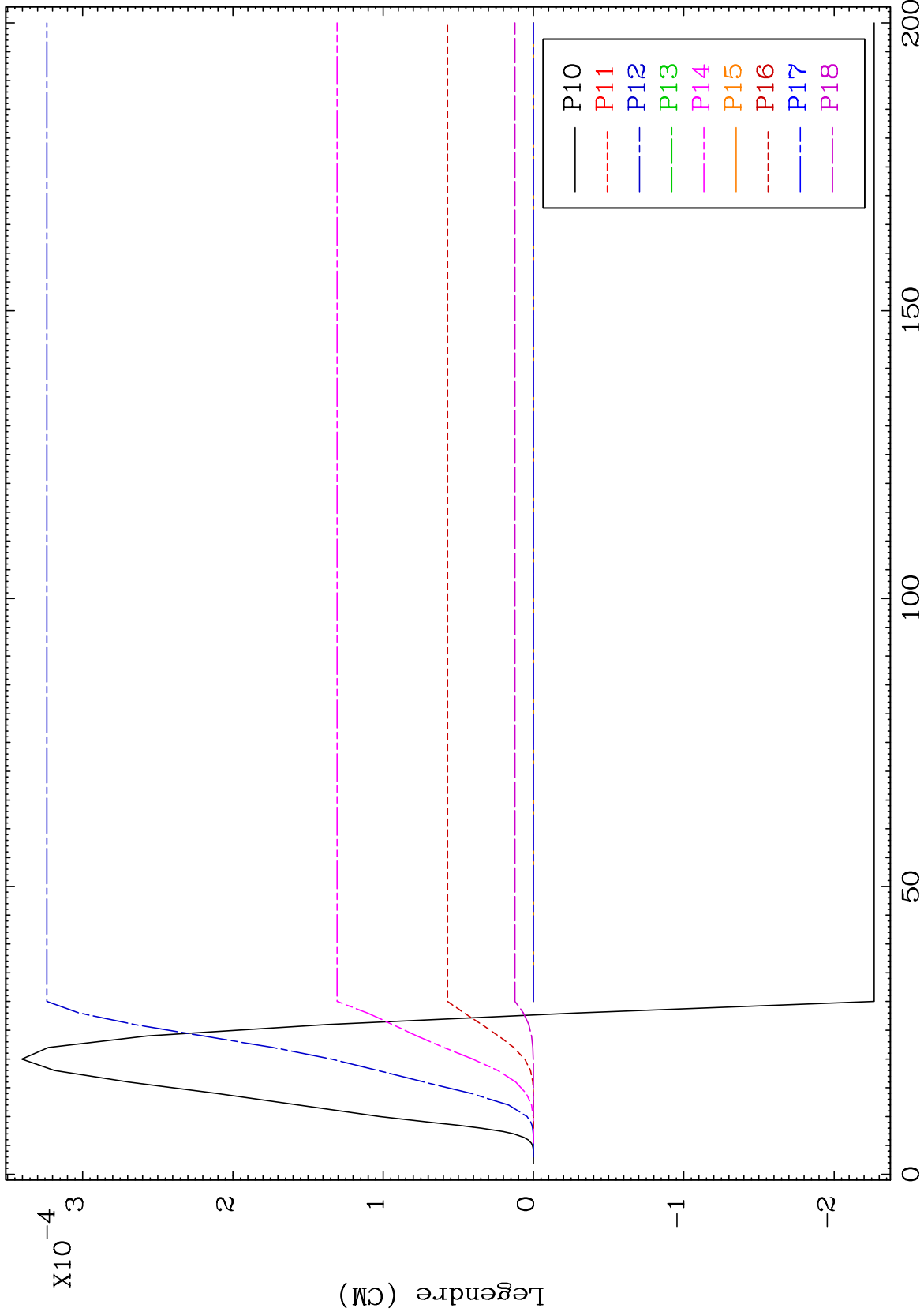
53-I -122



72

Incident Energy (MeV)

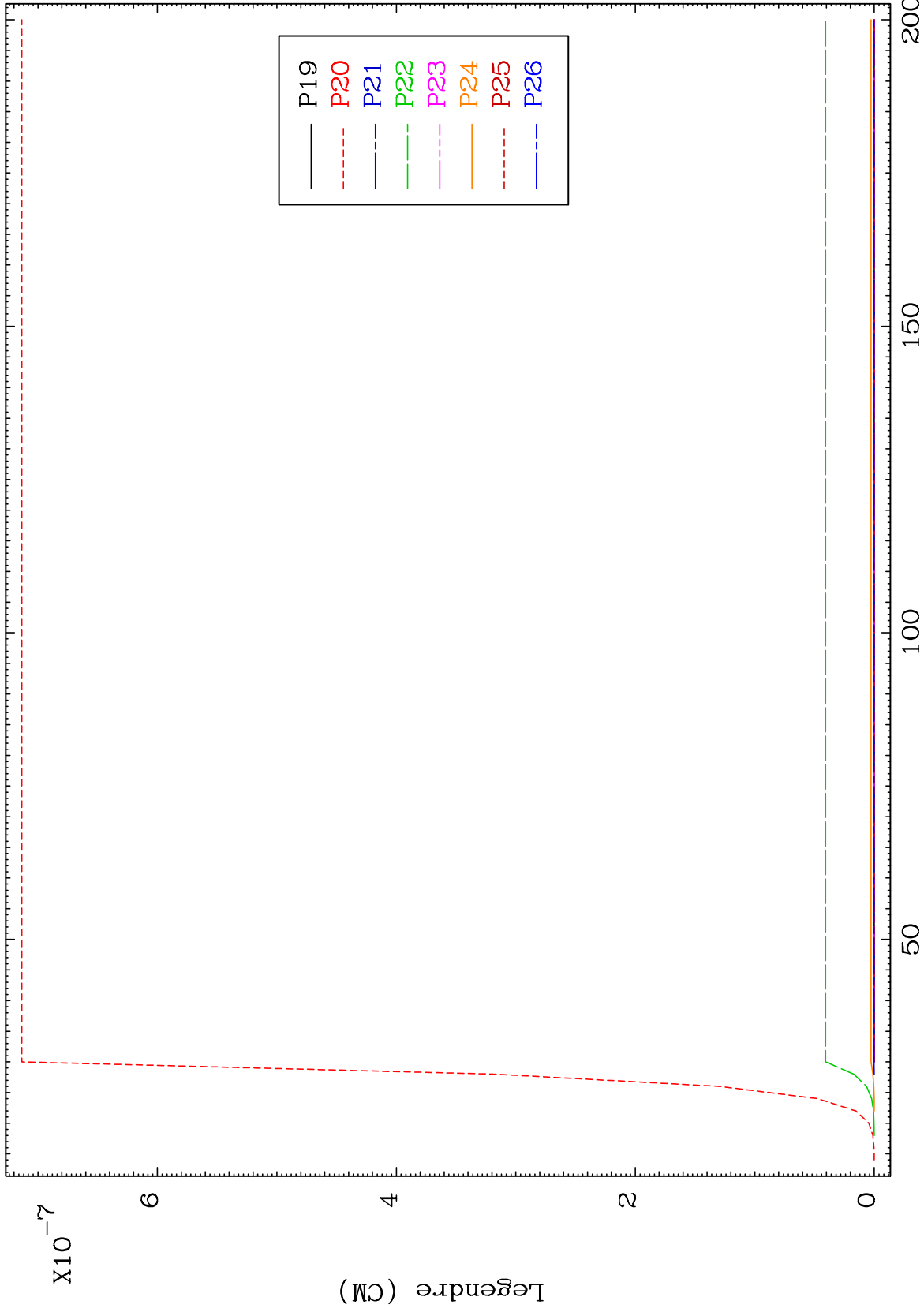
53-I -122



MAT 5310

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

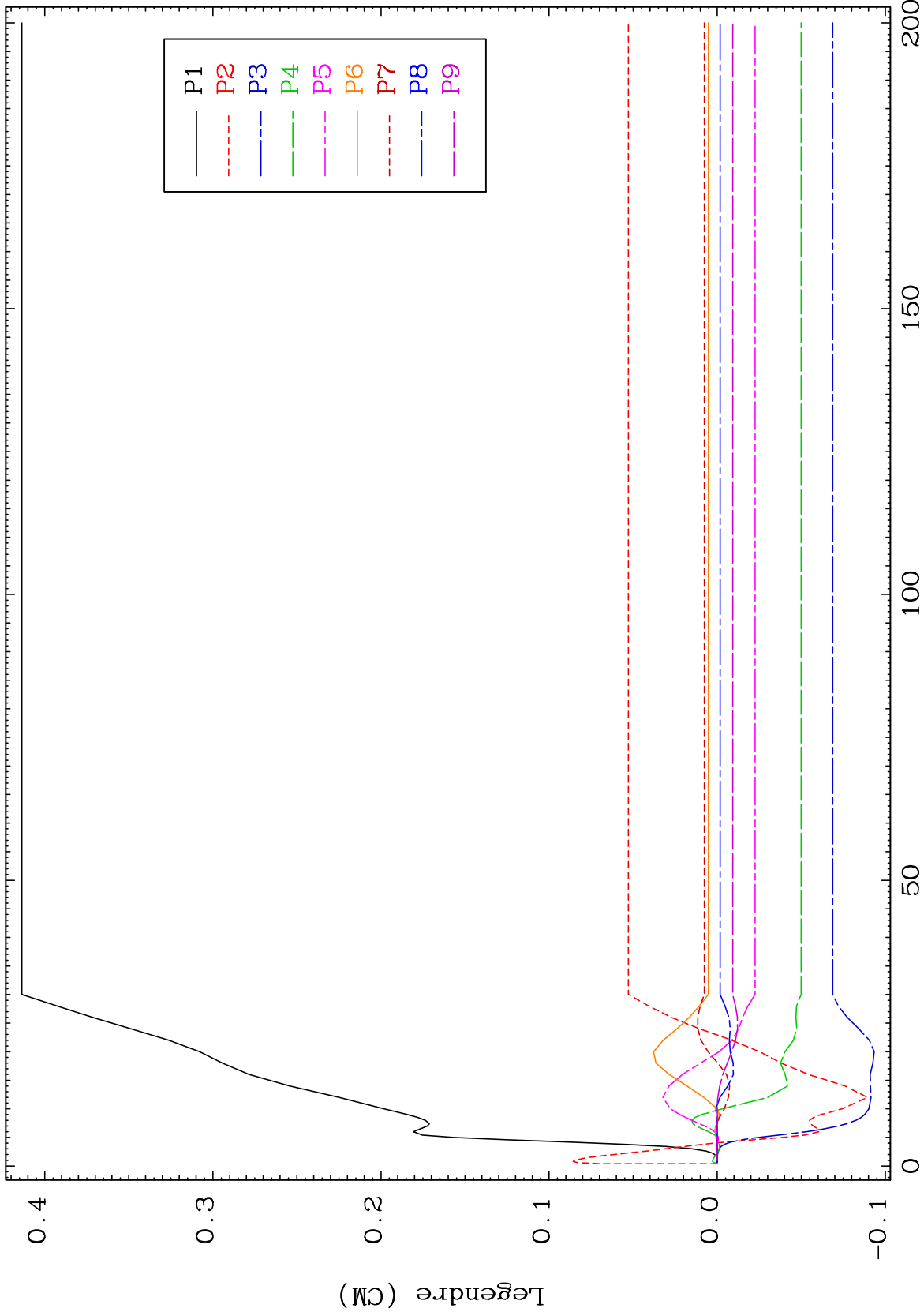
53-I -122



74

Incident Energy (MeV)

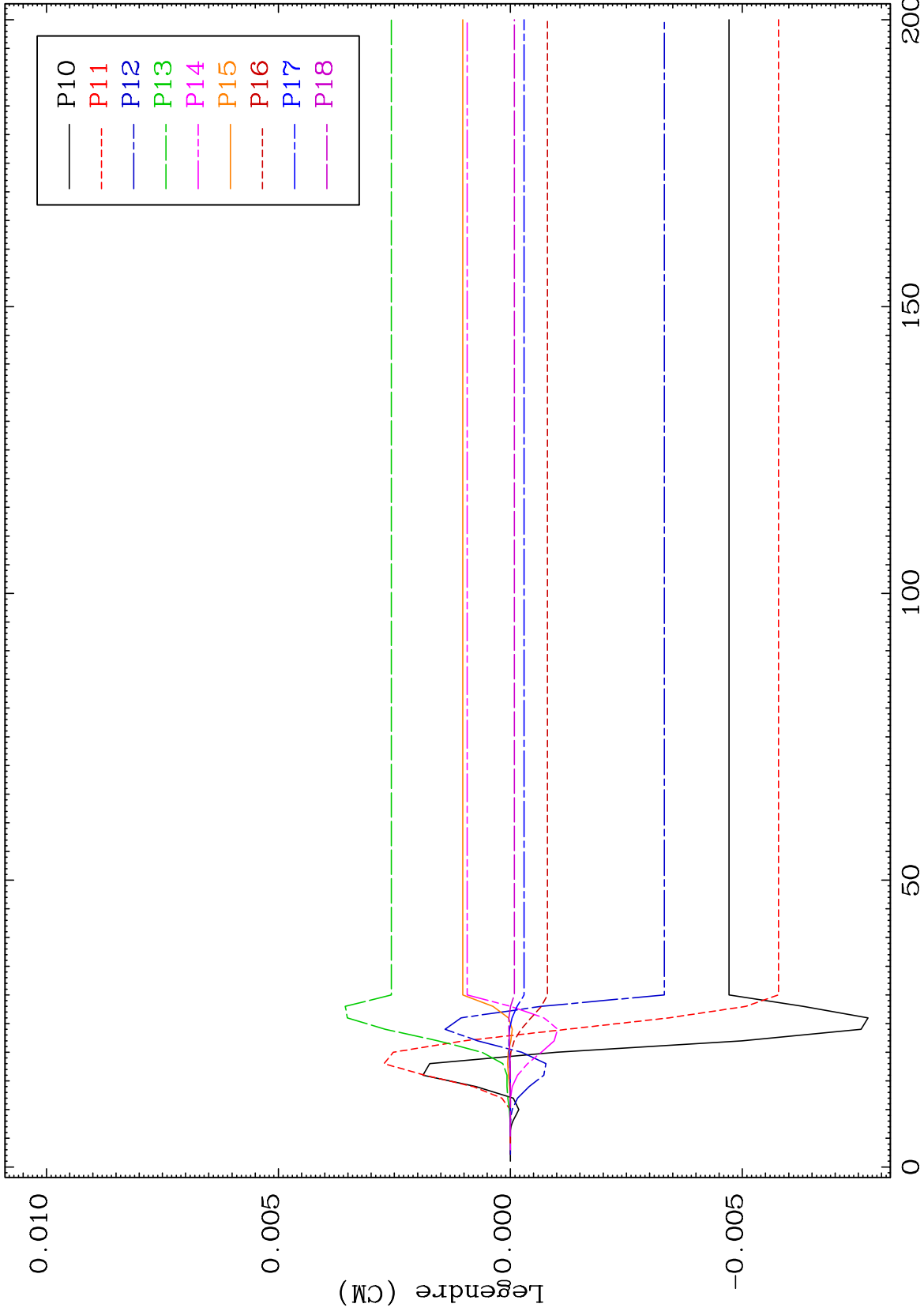
53-I -122



MAT 5310

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

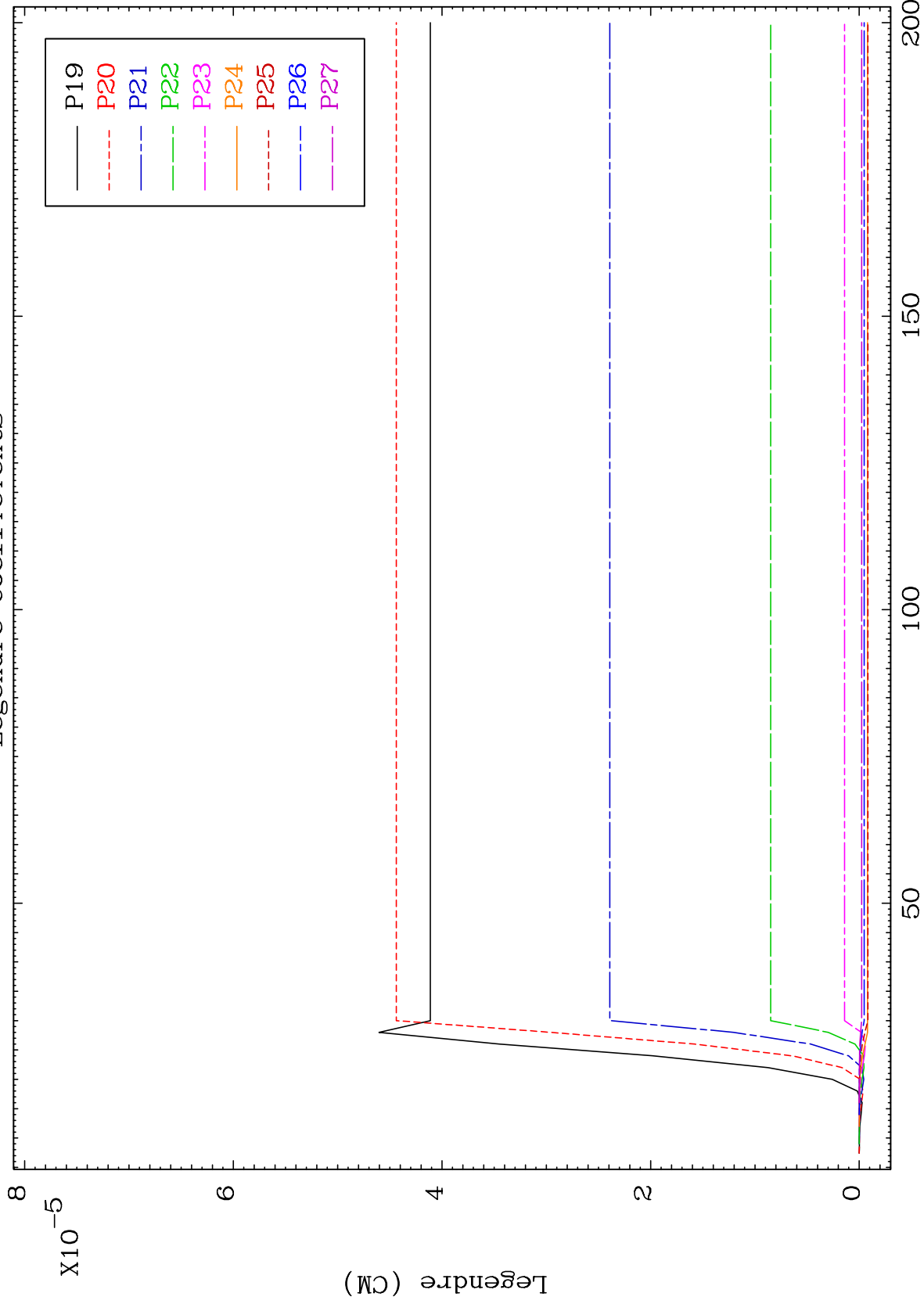
53-I -122



76

Incident Energy (MeV)

53-I -122

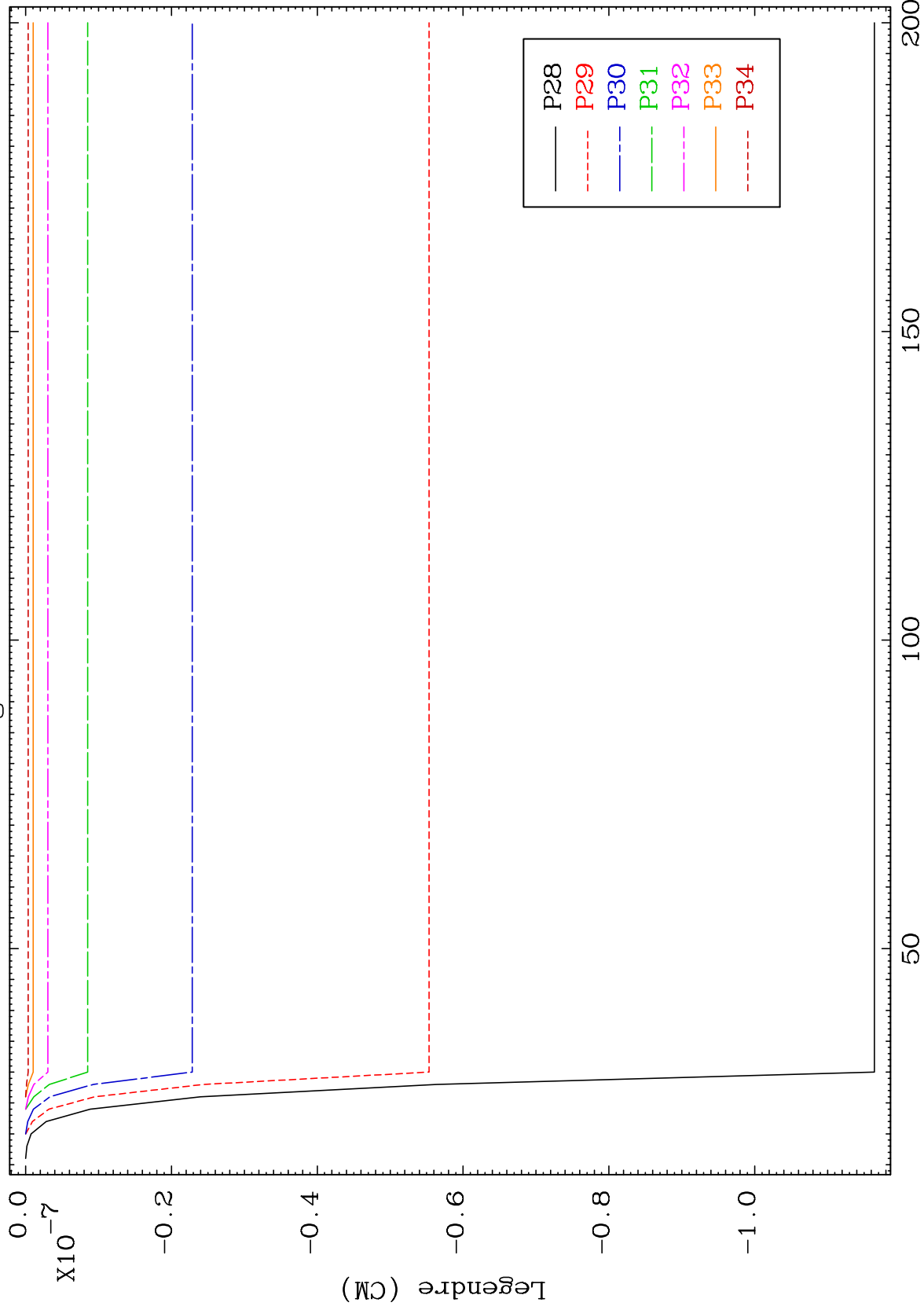


MAT 5310

MT= 68 (n,n') Level

53-I -122

Legendre Coefficients



78

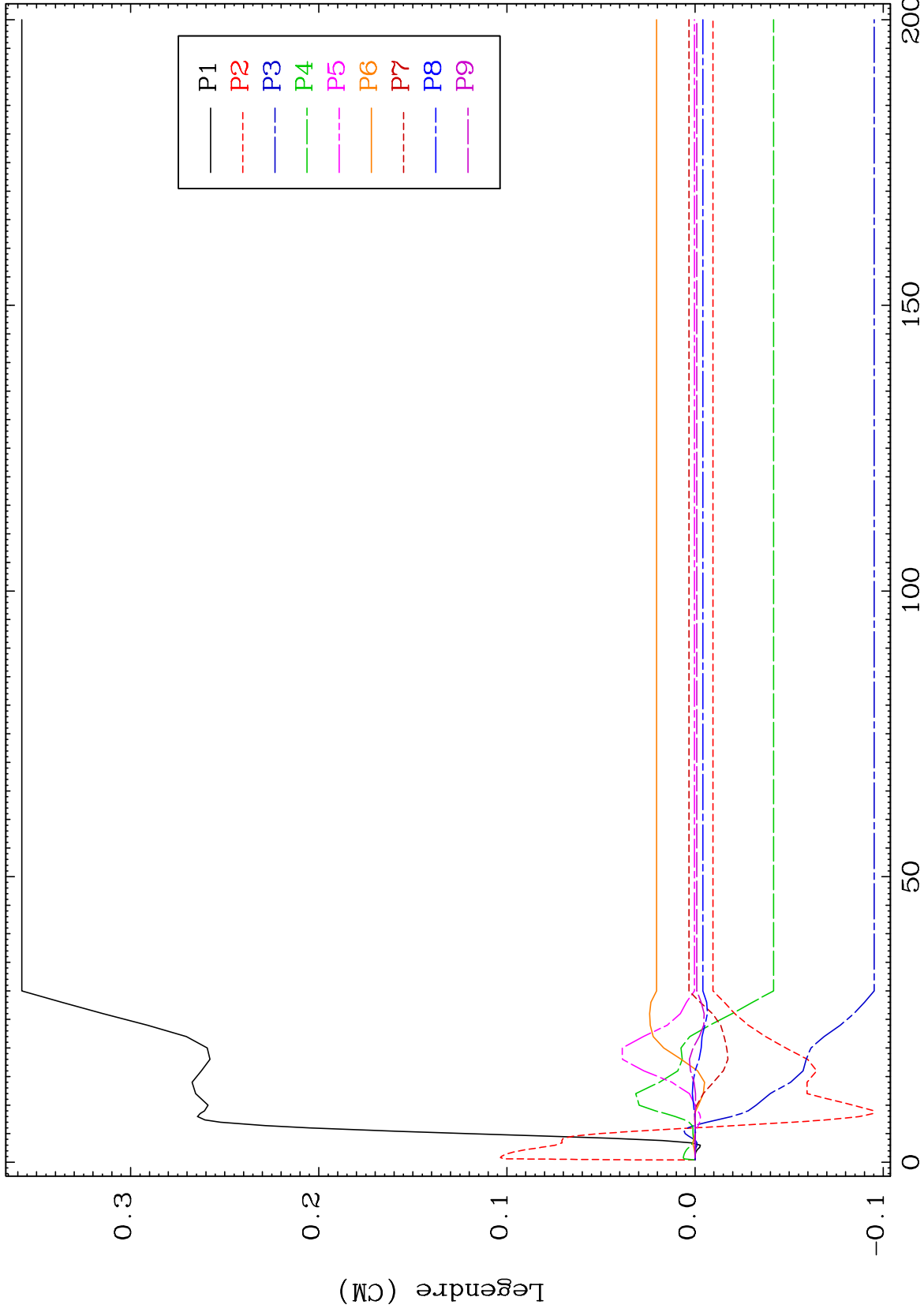
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



79

Incident Energy (MeV)

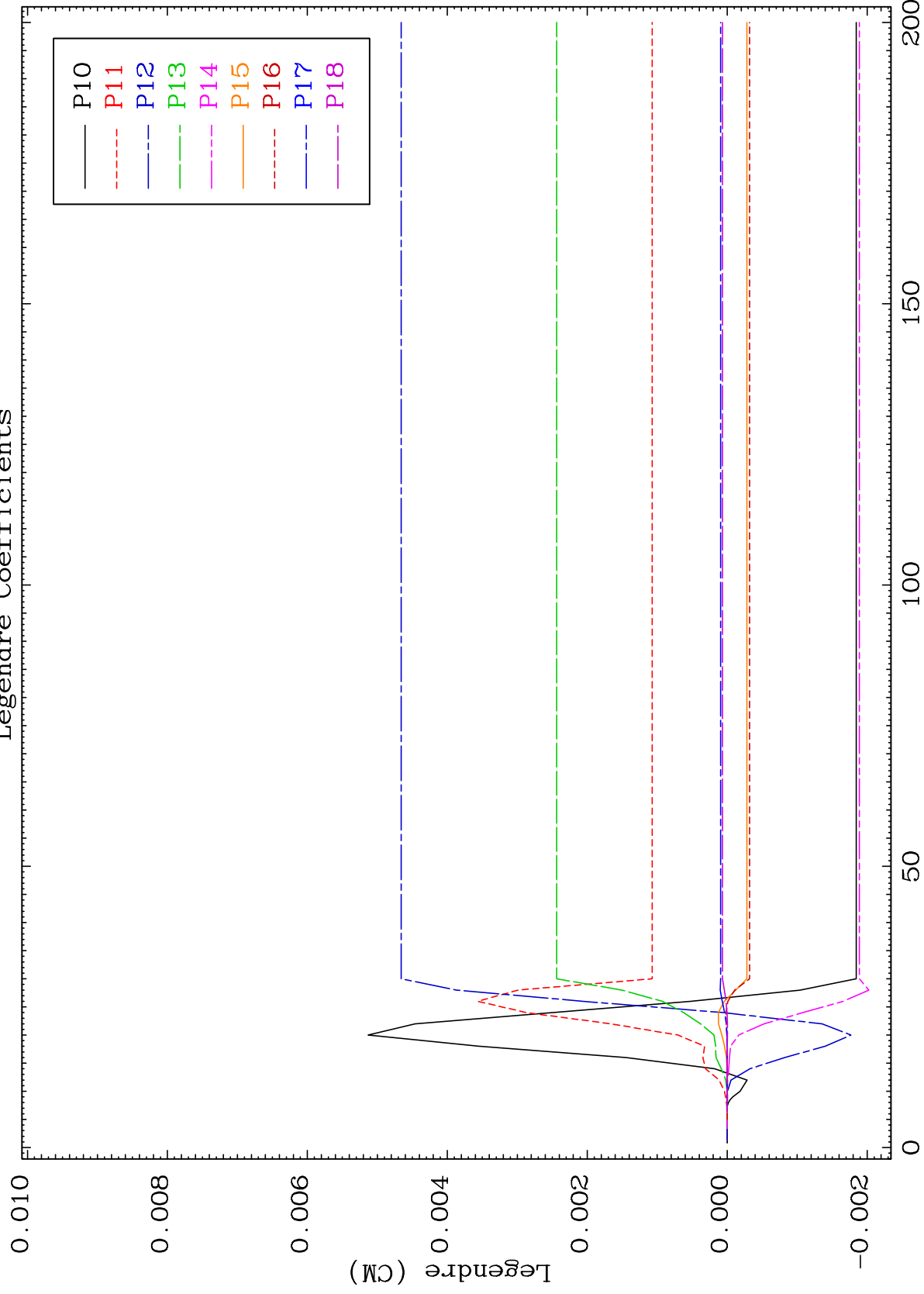
53-I -122



MAT 5310

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

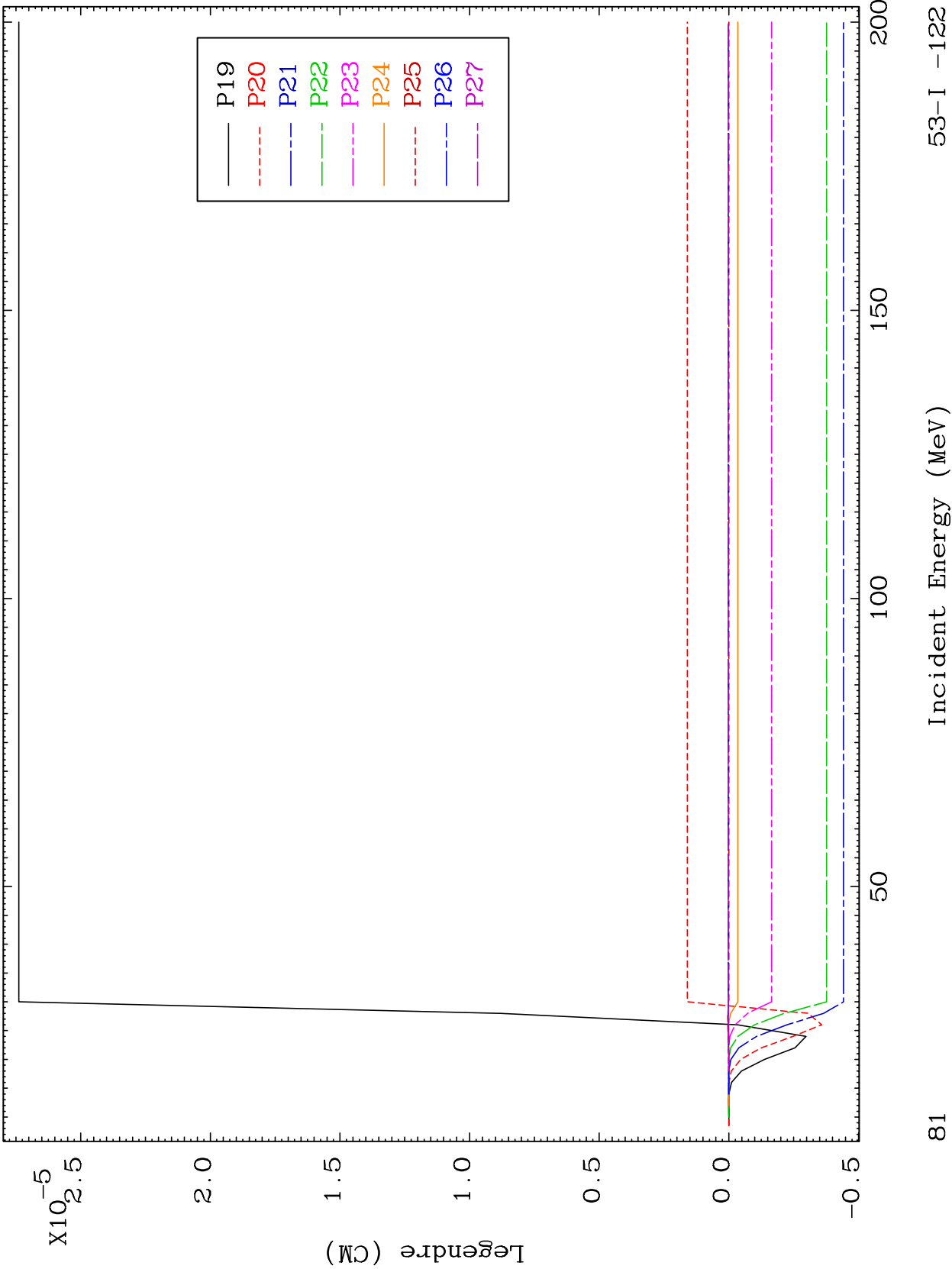
53-I -122



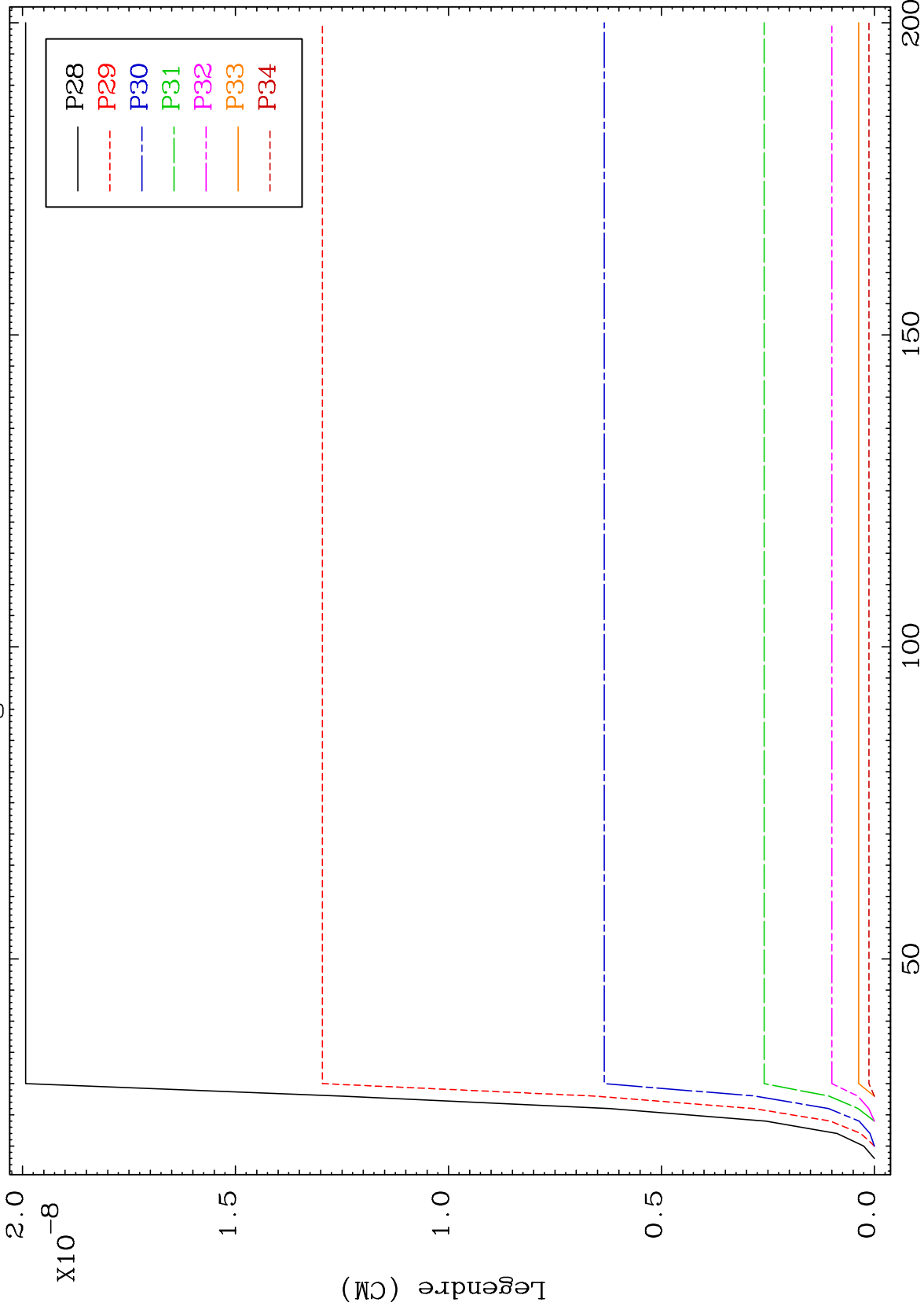
80

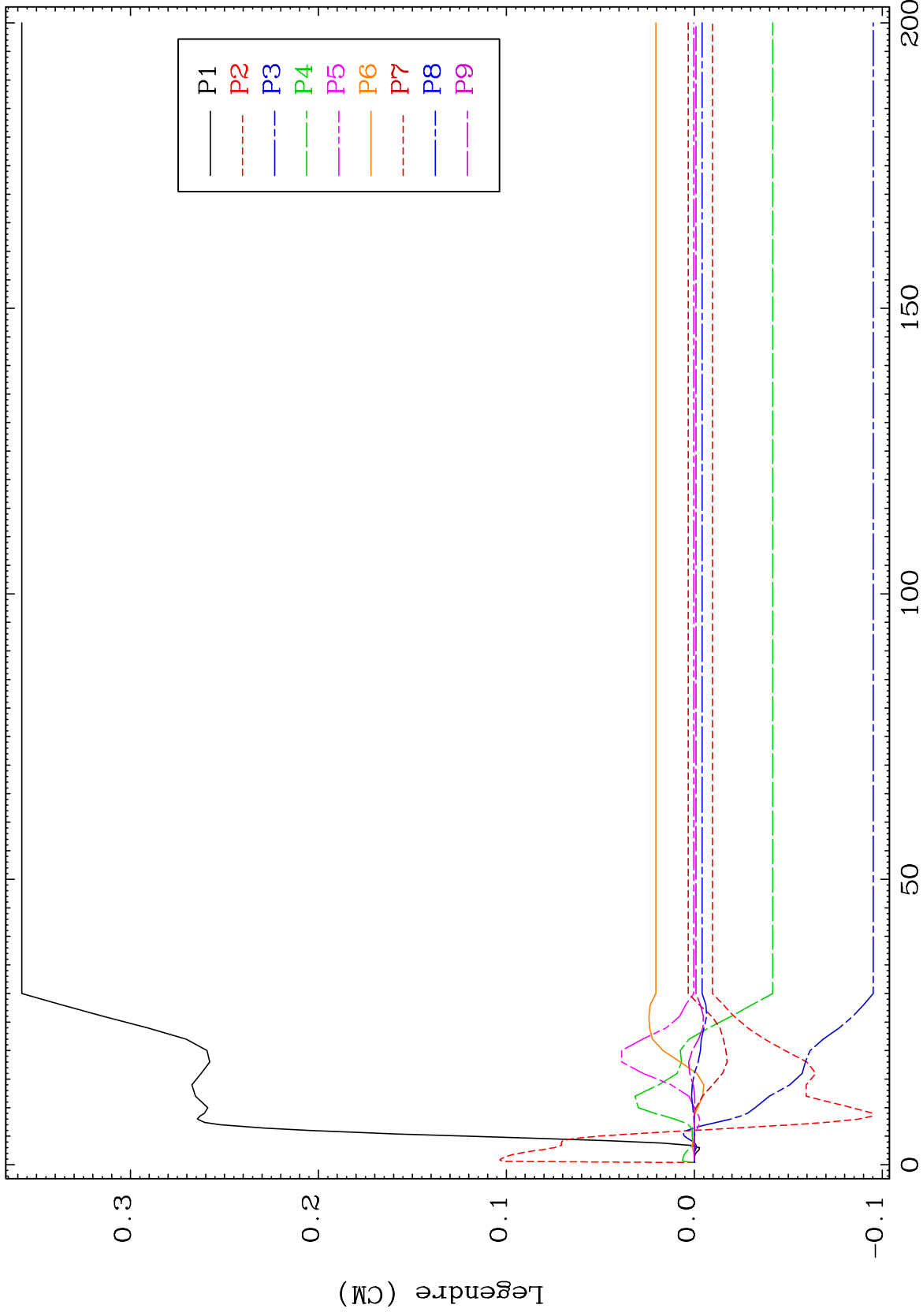
Incident Energy (MeV)

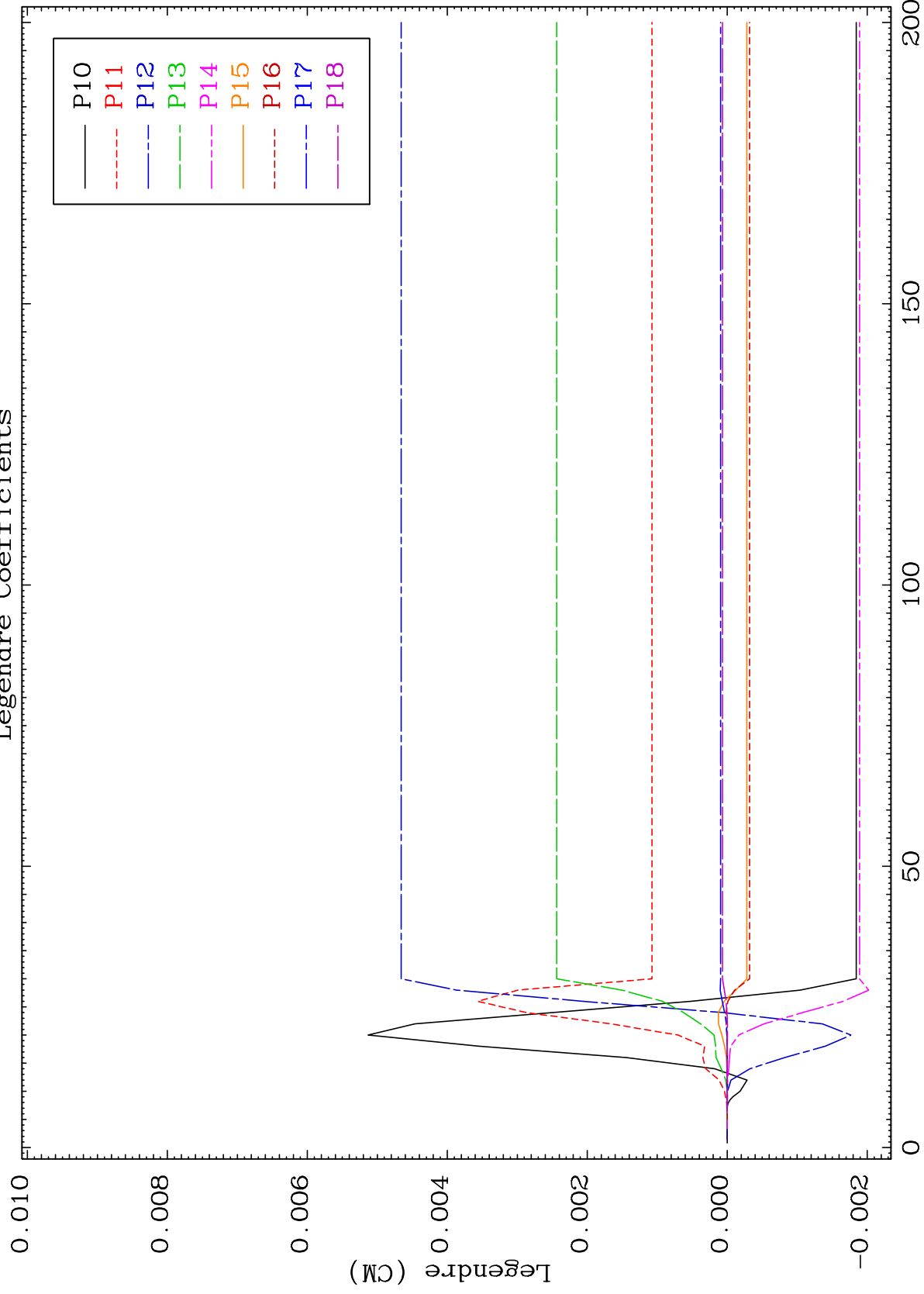
53-I -122

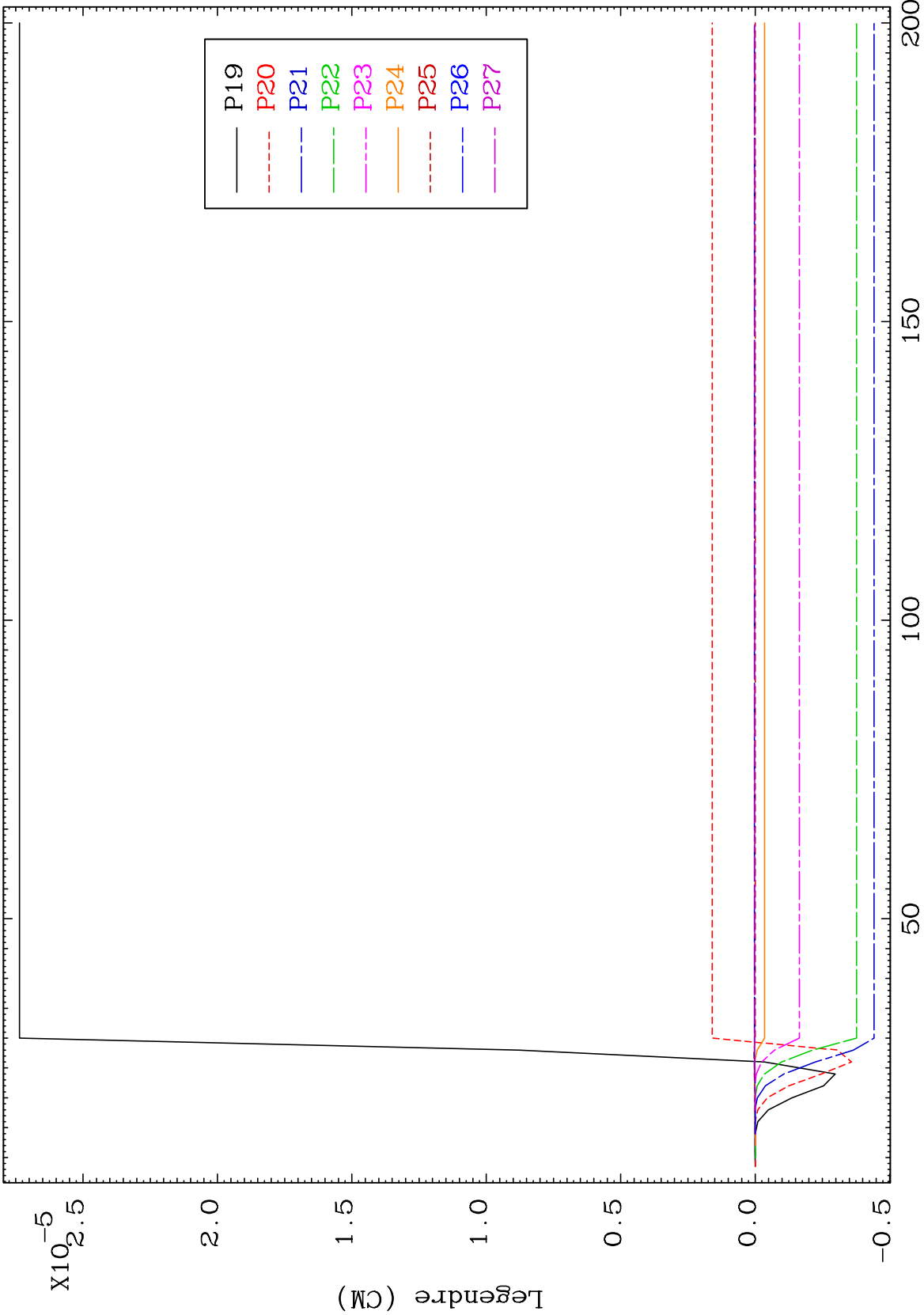


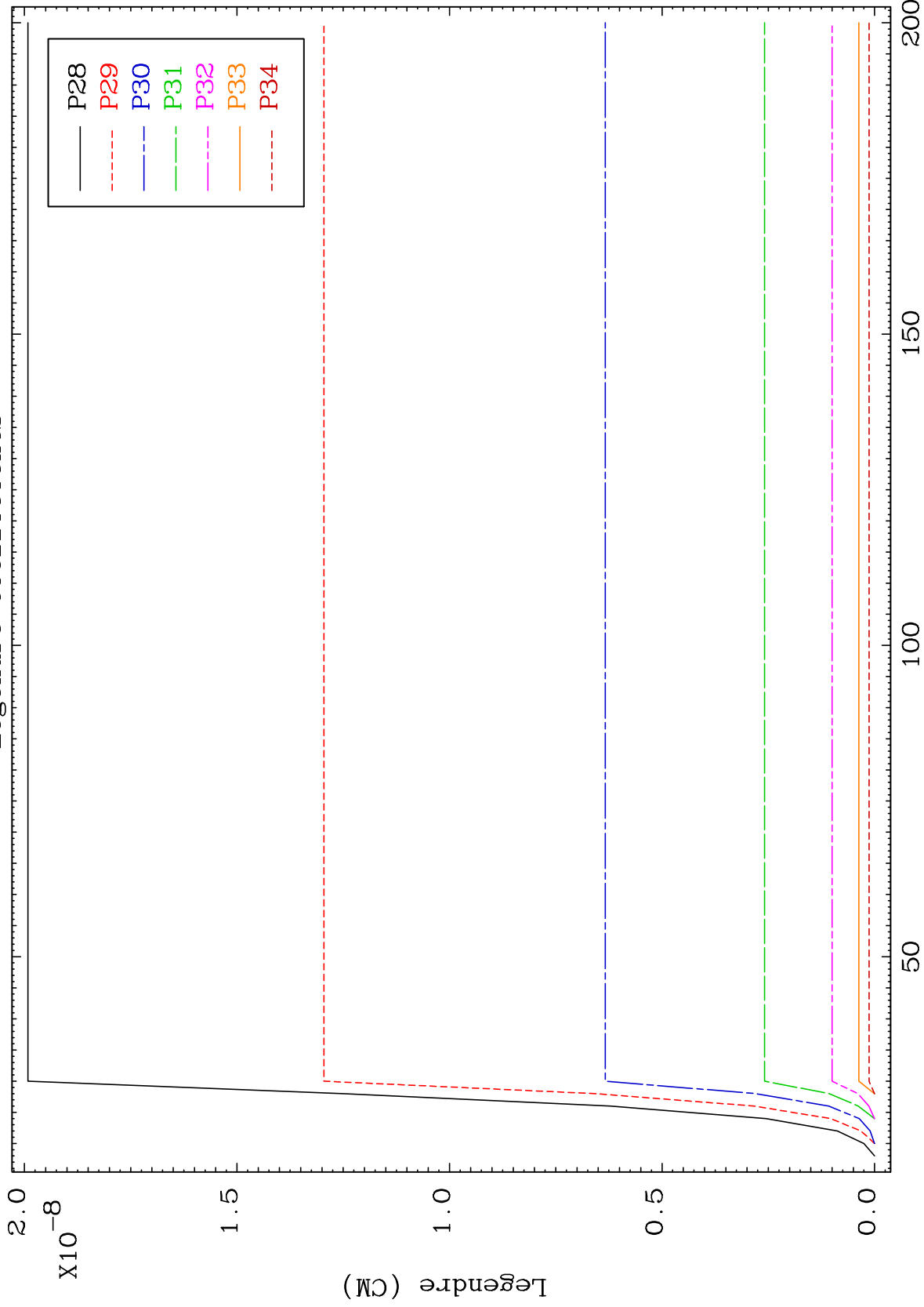
Legendre Coefficients







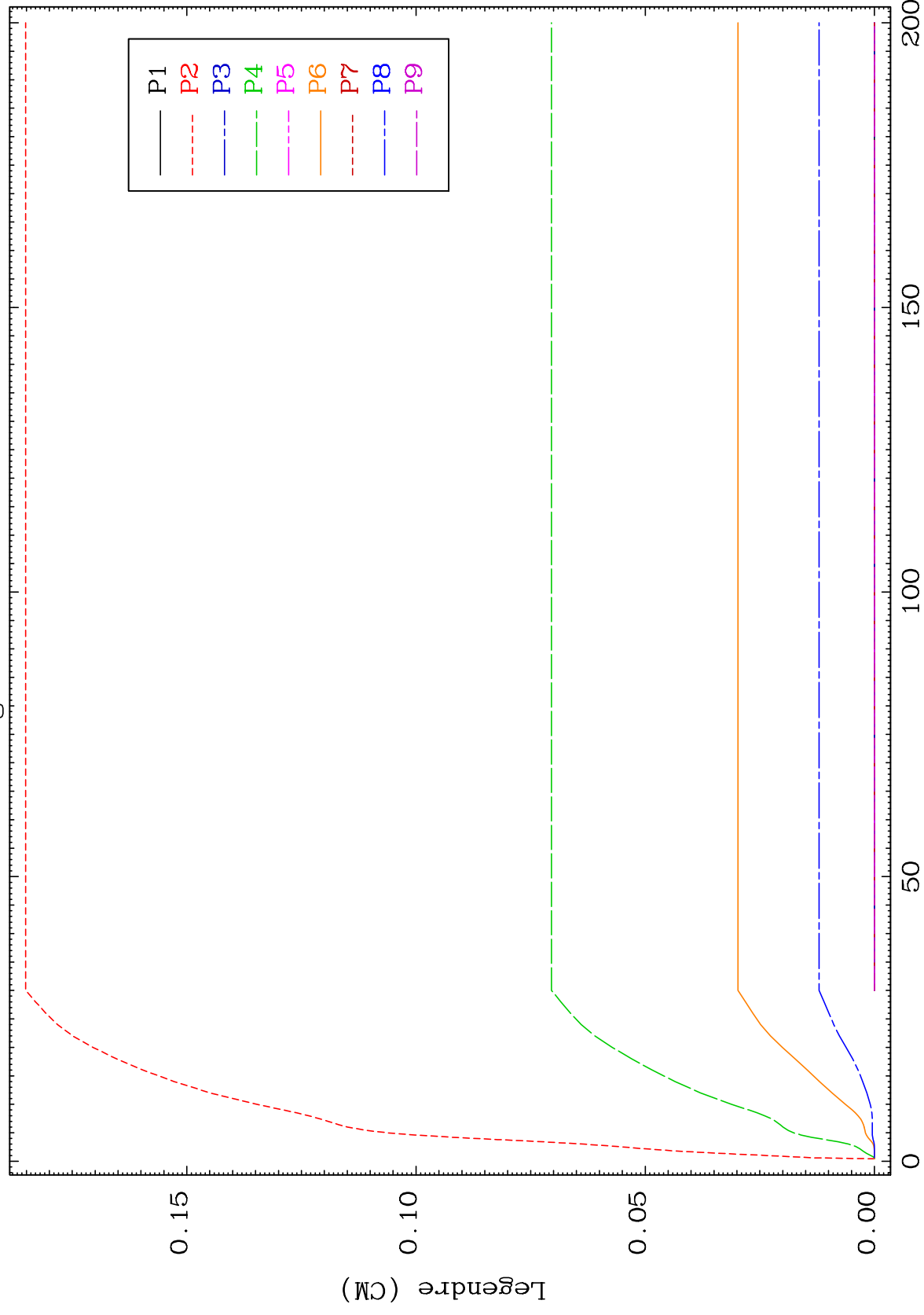




MAT 5310

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

53-I -122

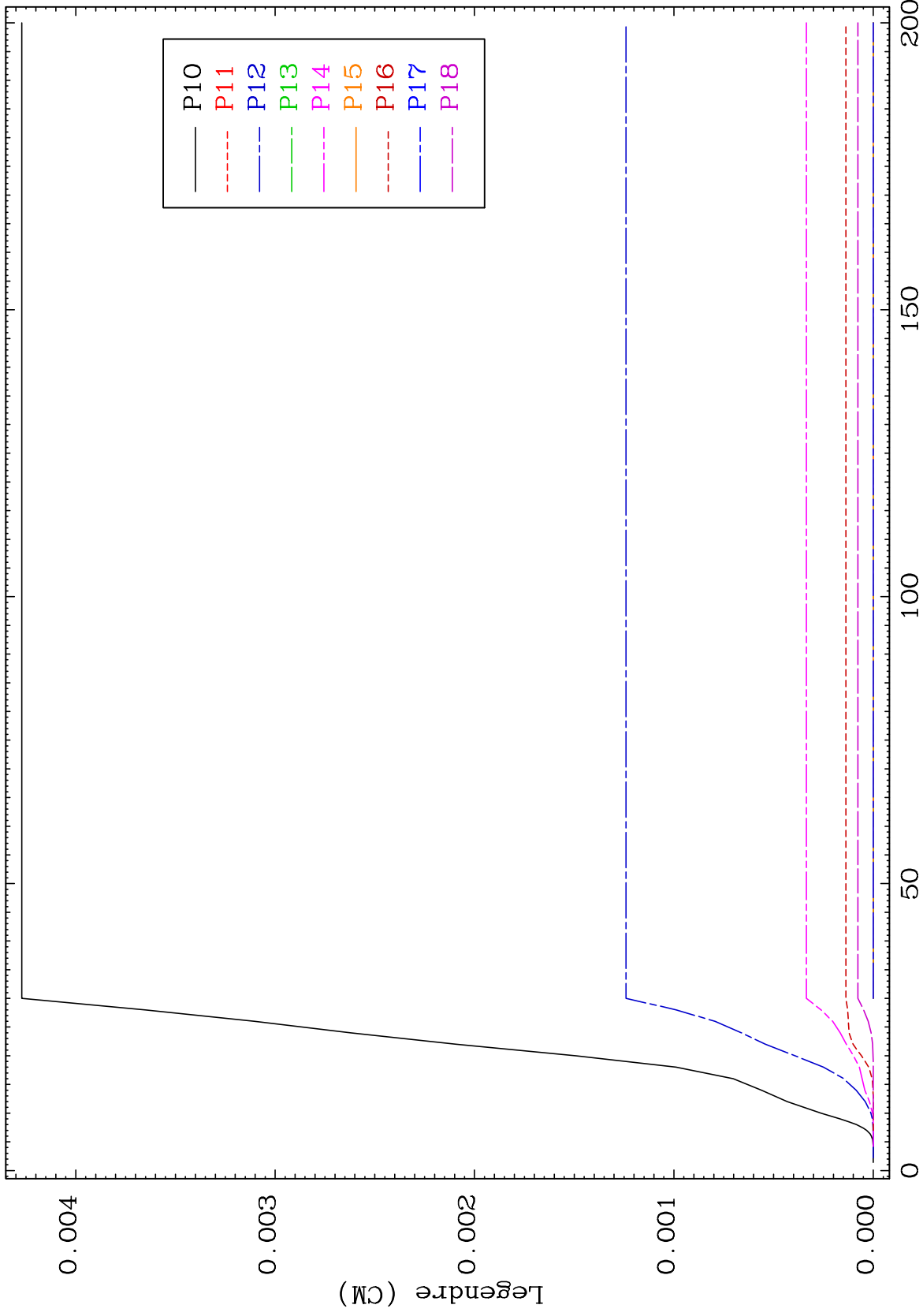


87

Incident Energy (MeV)

53-I -122

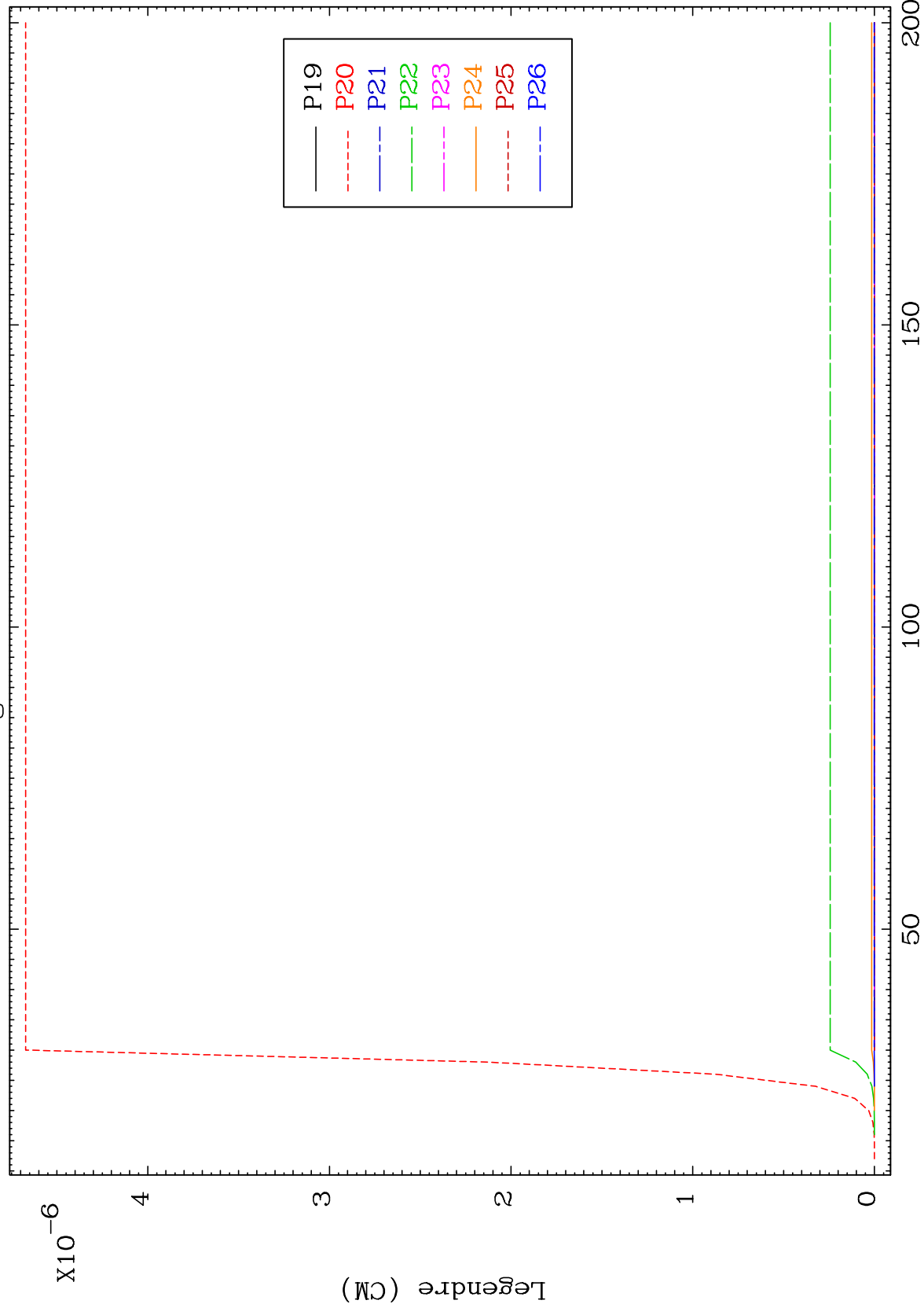




MAT 5310

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

53-I -122



89

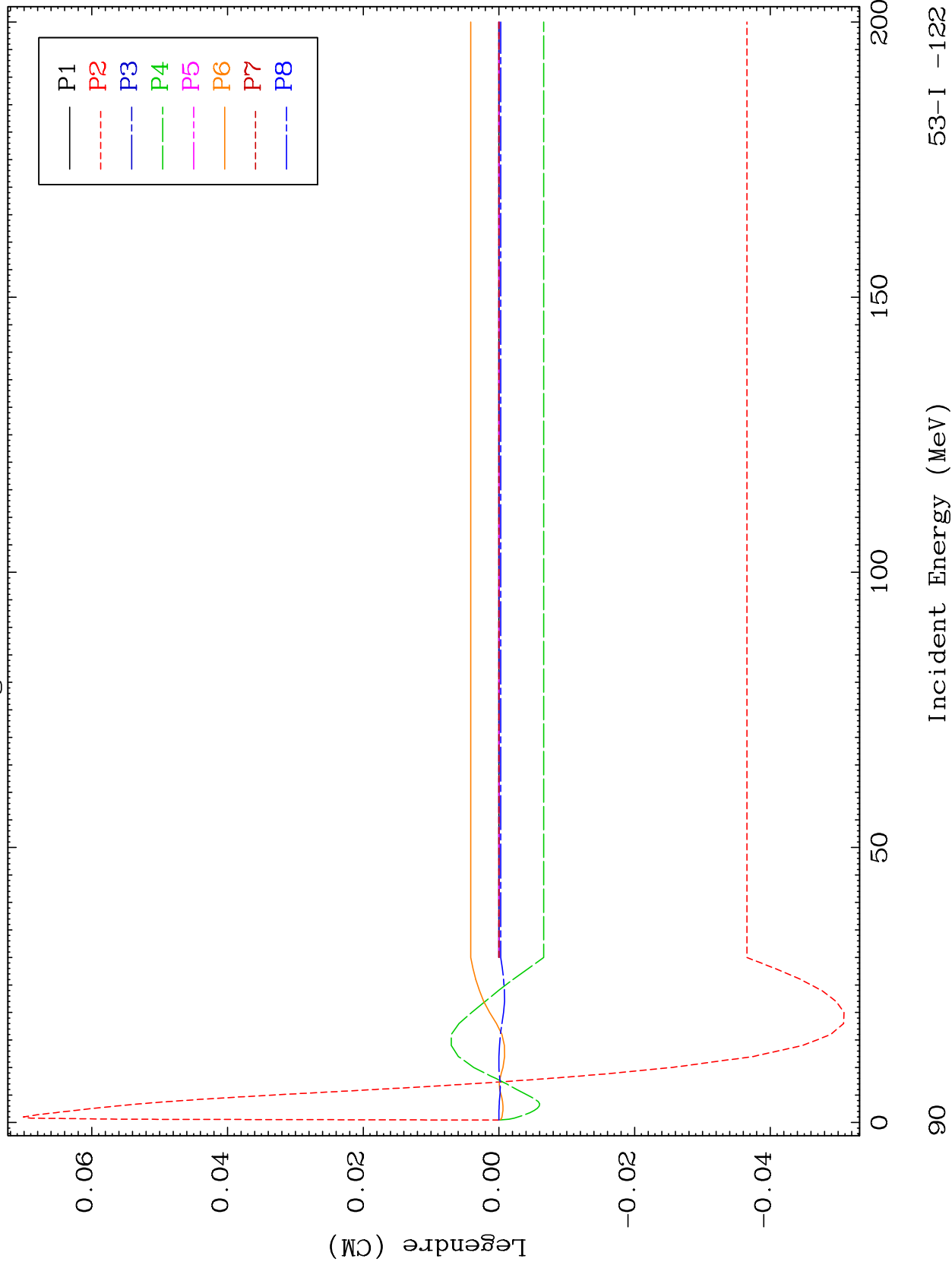
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

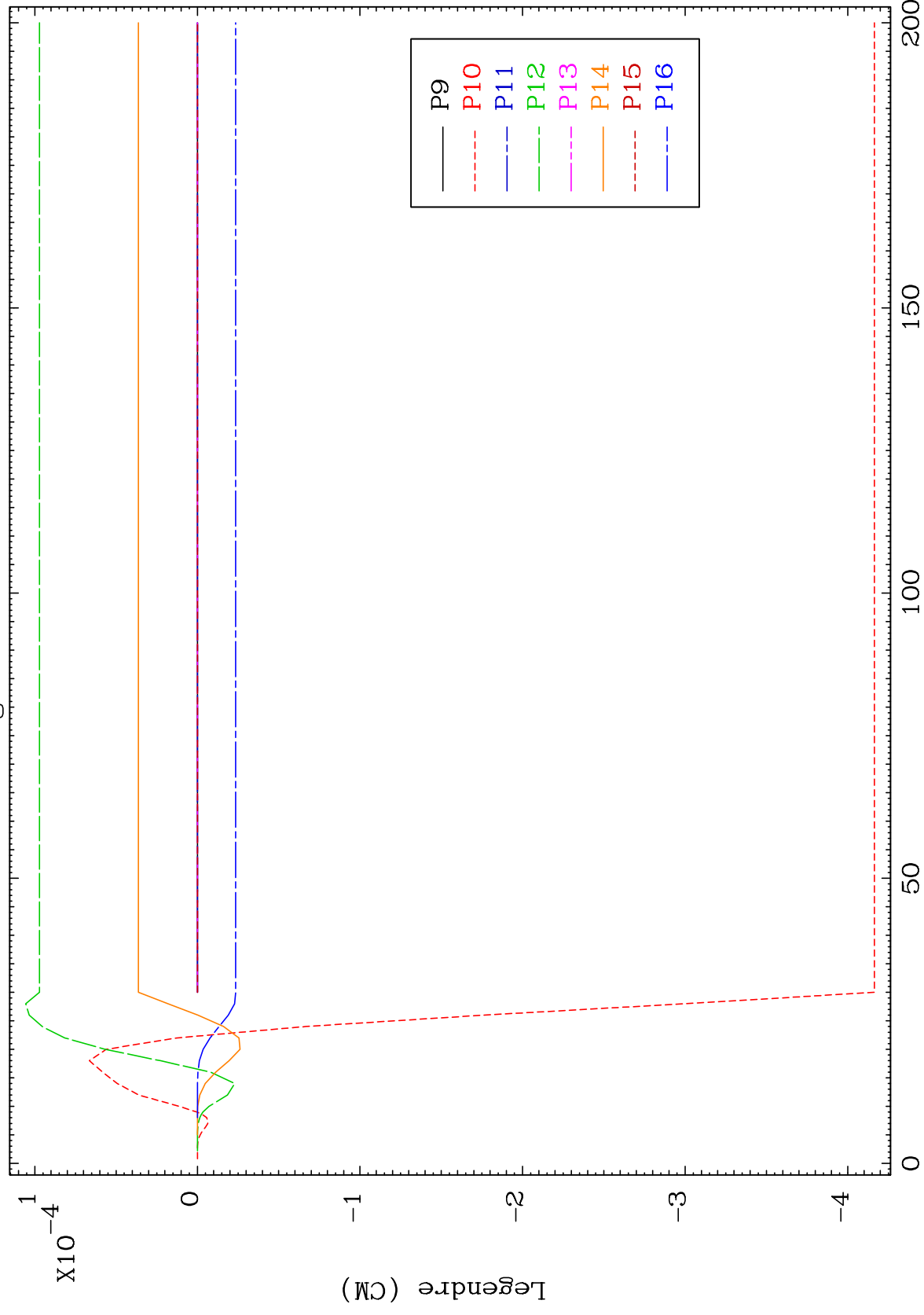
Incident Energy (MeV)

90

MAT 5310

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

53-I -122

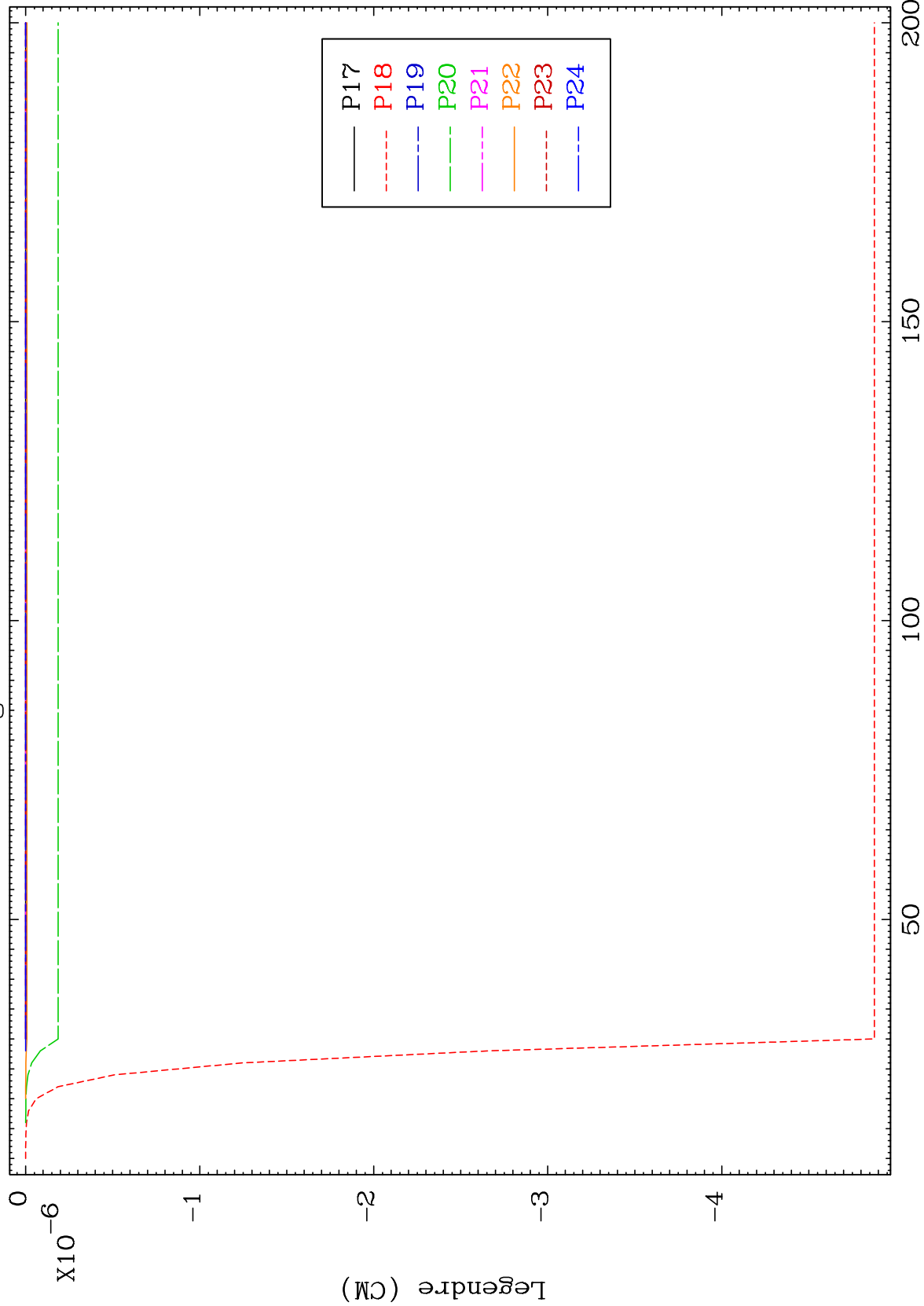


91

Incident Energy (MeV)

53-I -122

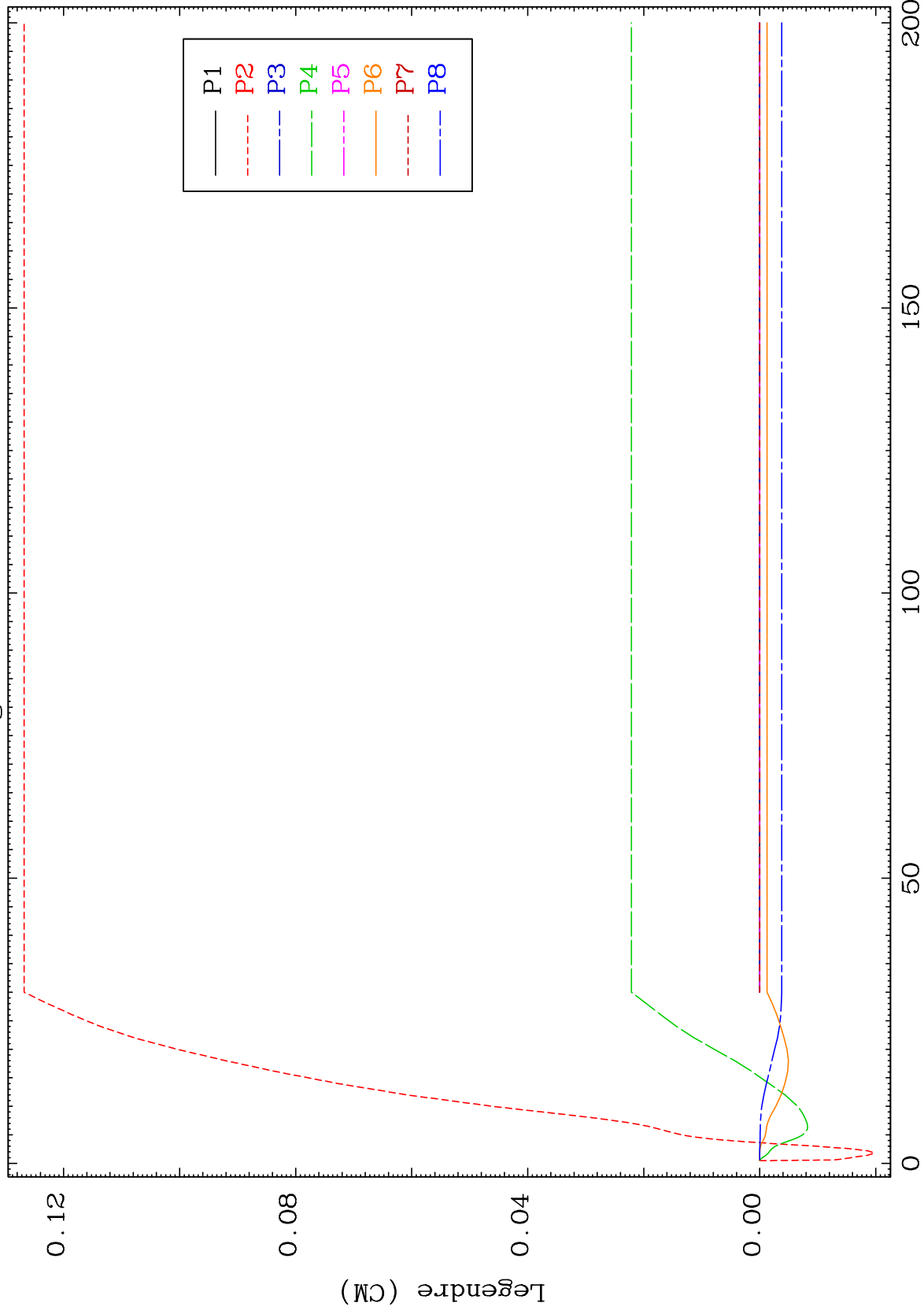
Legendre Coefficients



MAT 5310

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

53-I -122



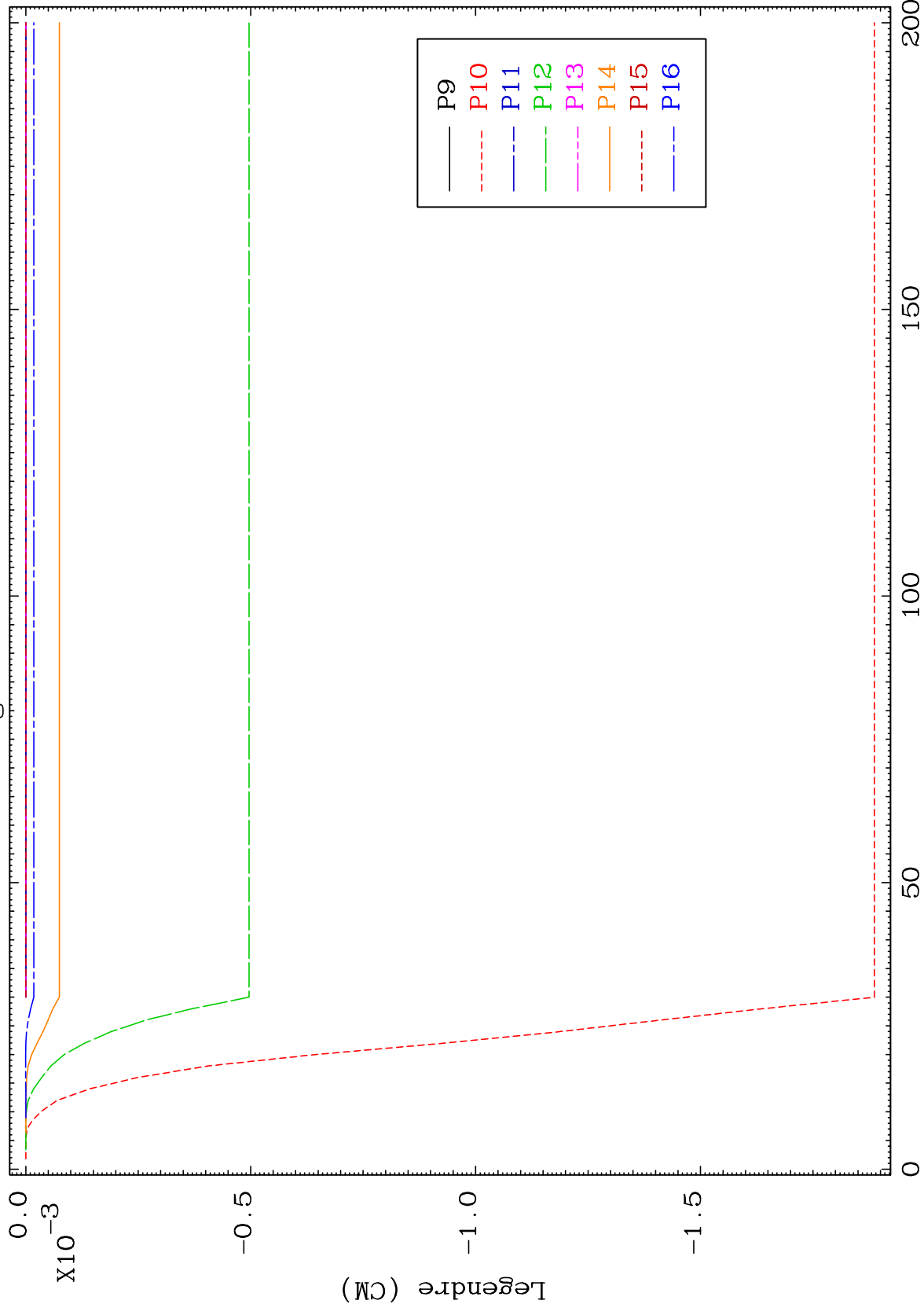
93

53-I -122

MAT 5310

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

53-I -122



94

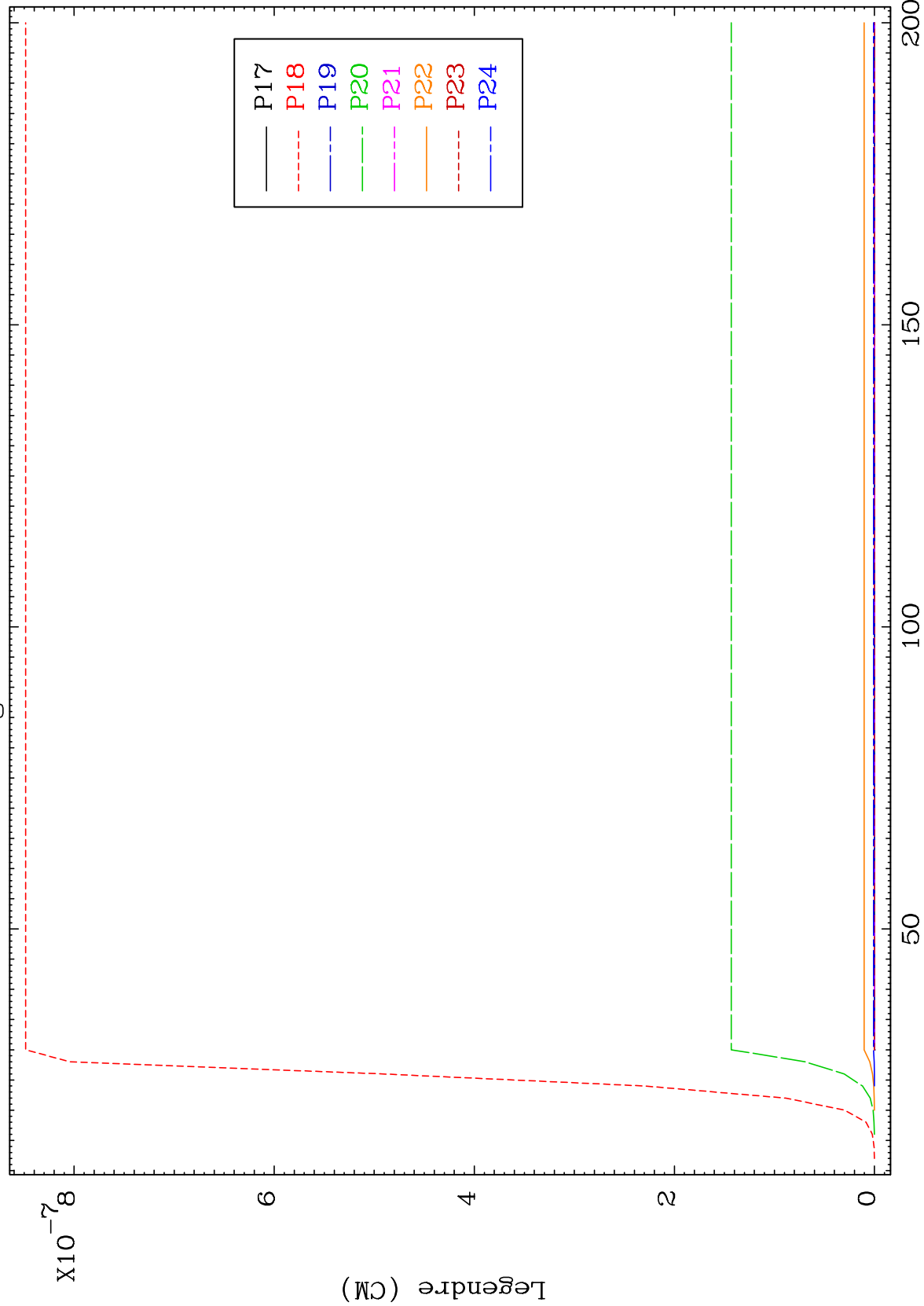
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

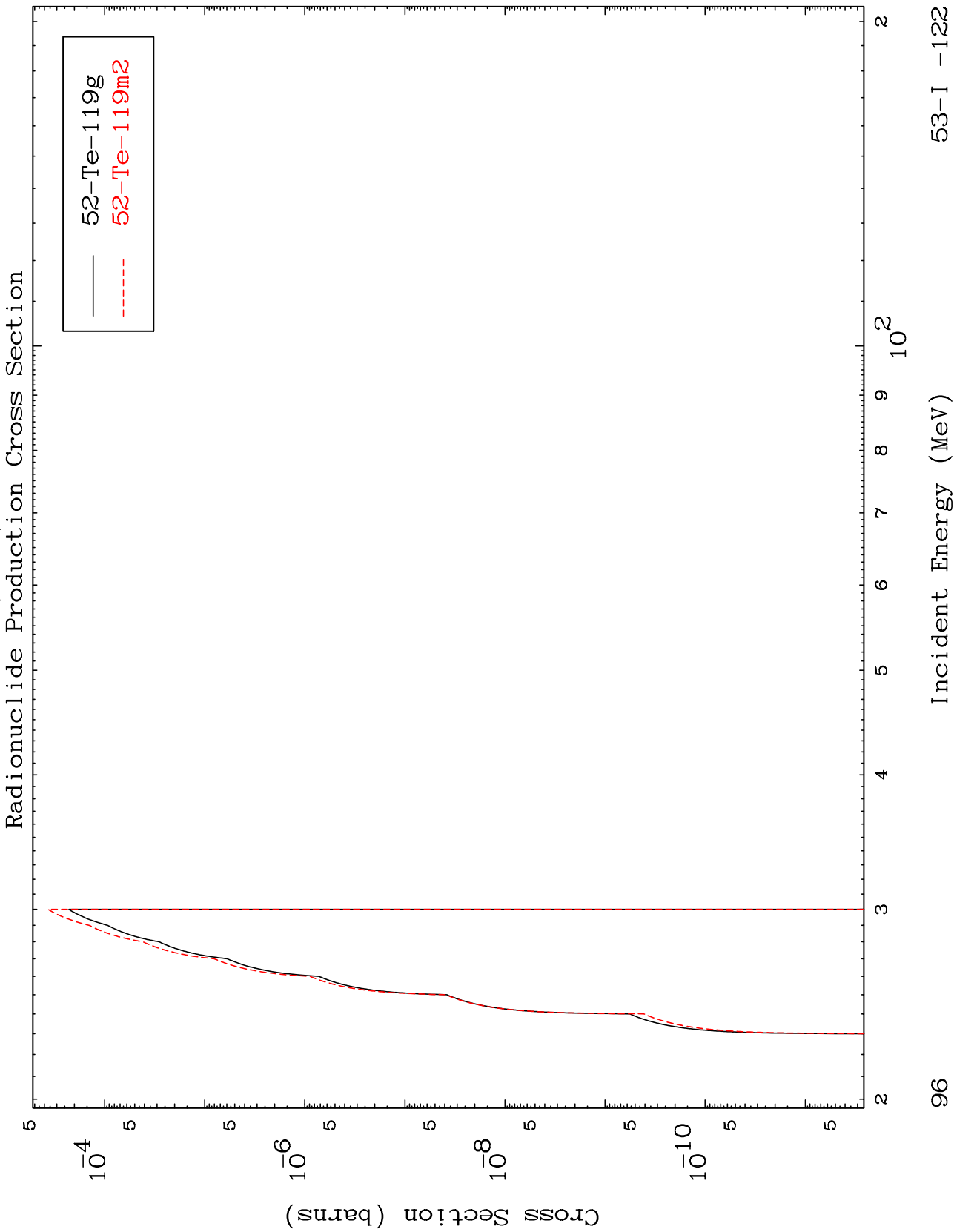


53-I -122

Incident Energy (MeV)

95



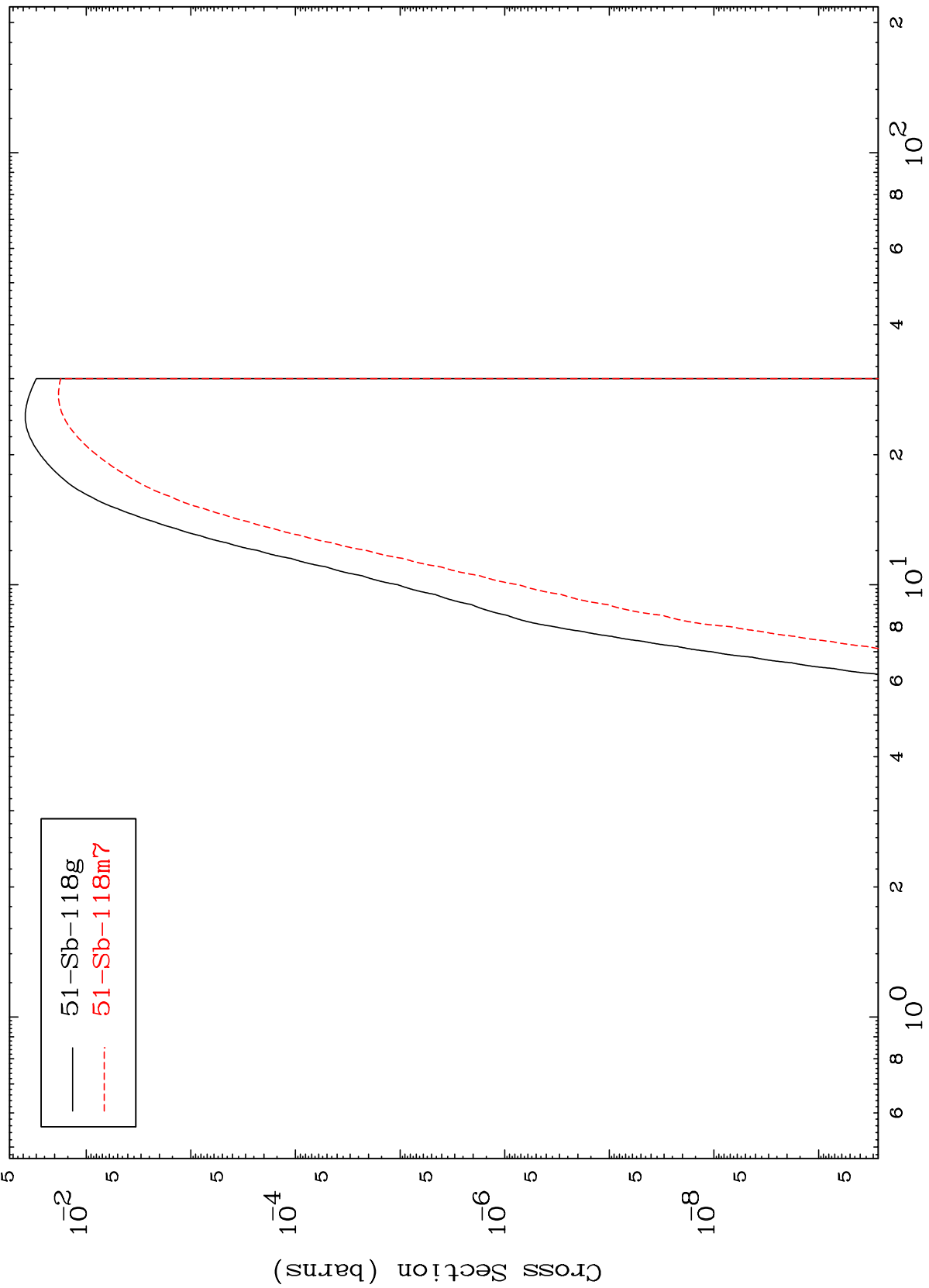


MAT 5310

(n,n')  $\alpha$

53-I -122

Radionuclide Production Cross Section



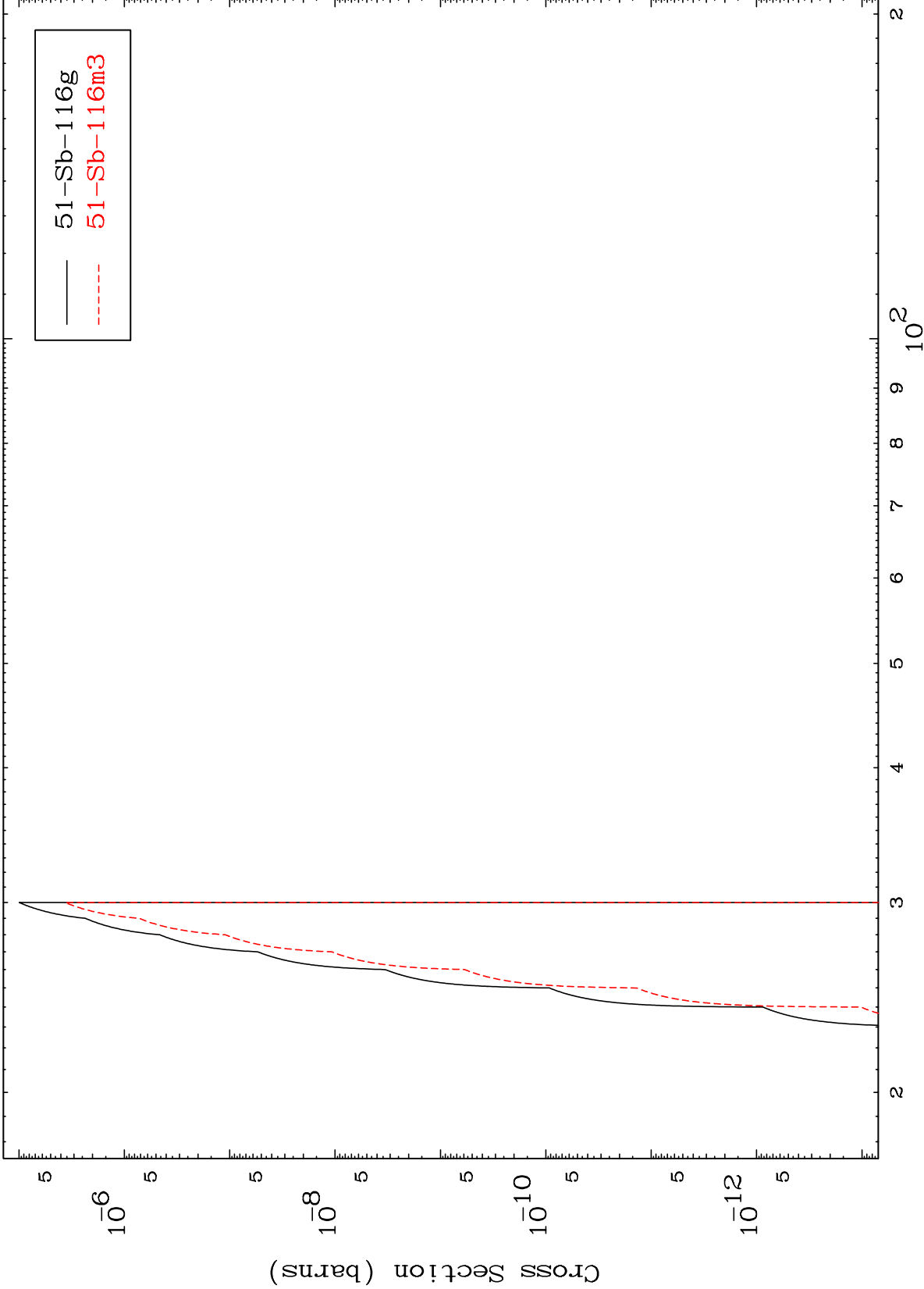
— 51-Sb-118g  
- - - 51-Sb-118m7

97

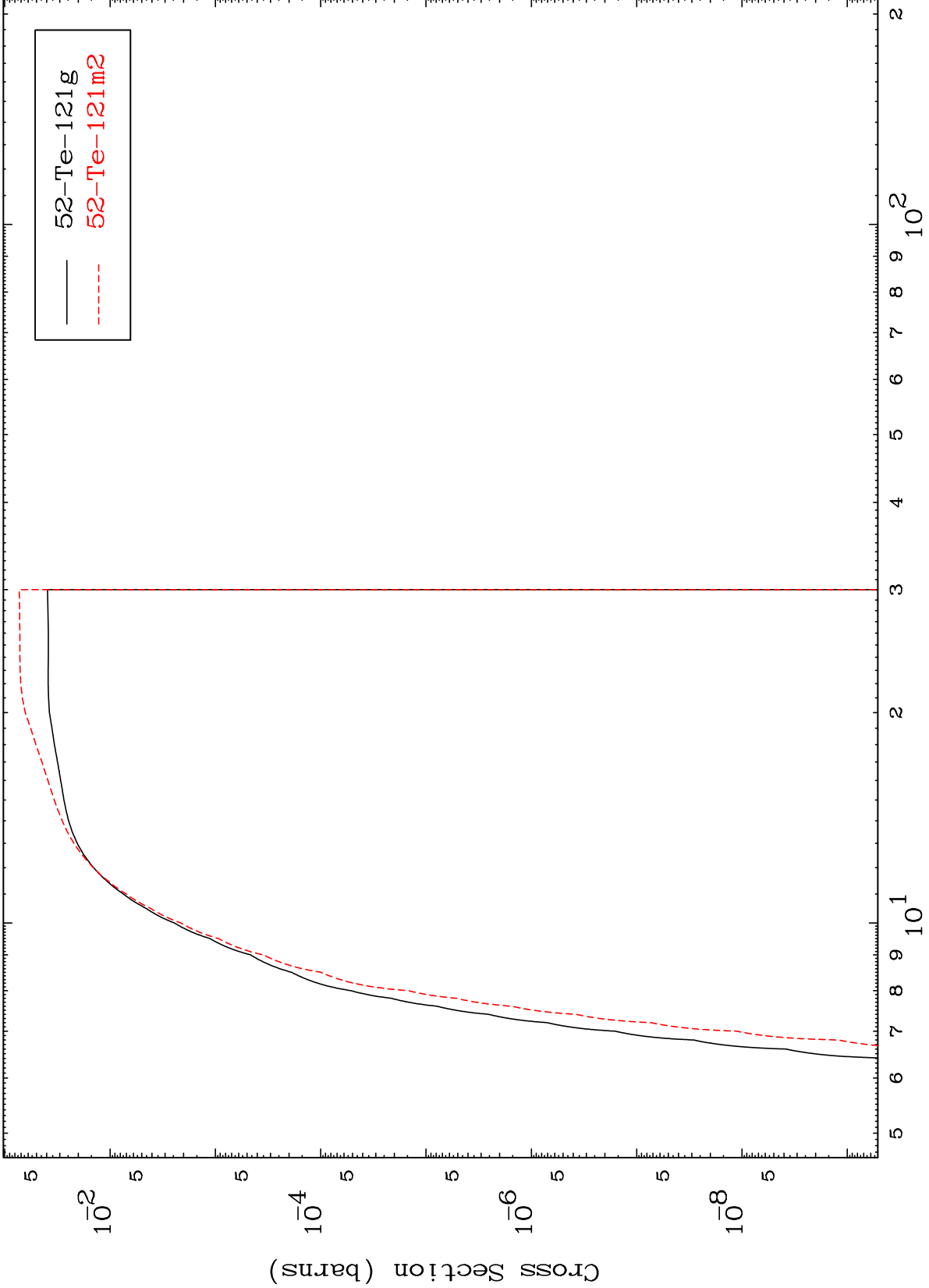
Incident Energy (MeV)

53-I -122

Radionuclide Production Cross Section



Radionuclide Production Cross Section

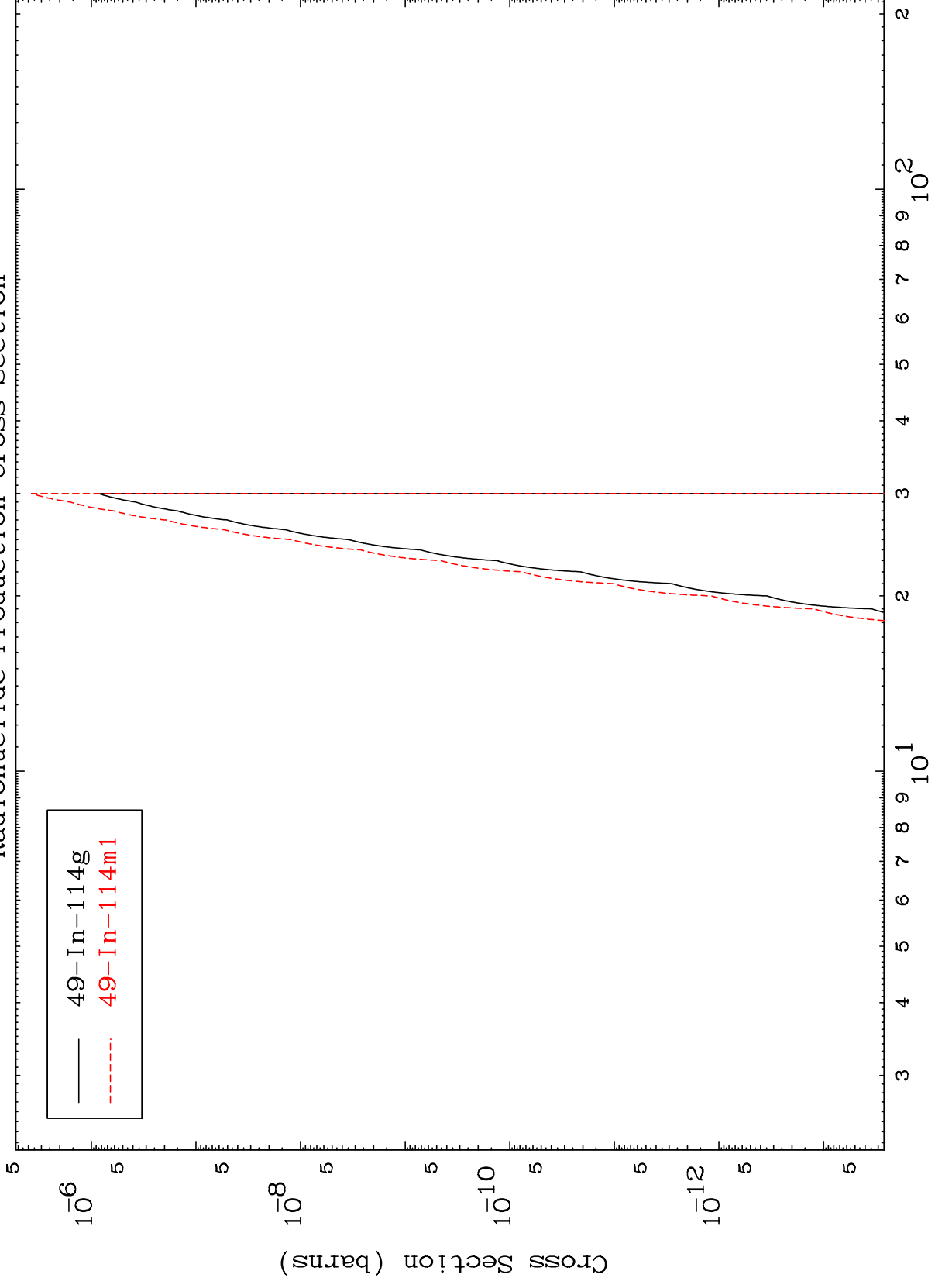


MAT 5310

(n,n') 2α

53-I -122

Radionuclide Production Cross Section



— 49-In-114g  
- - - 49-In-114m1

100

Incident Energy (MeV)

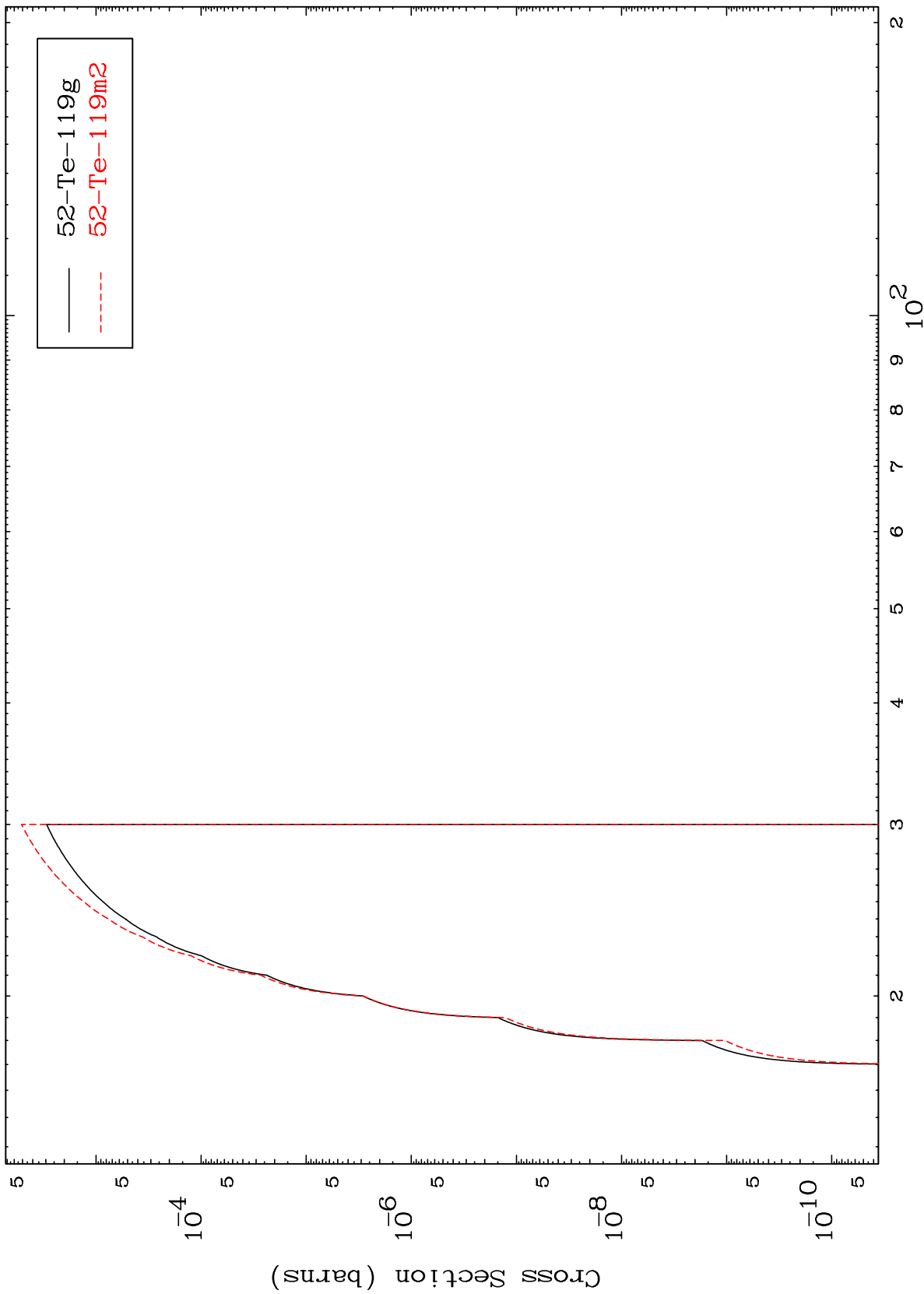
53-I -122

MAT 5310

(n,n') t

53-I -122

Radionuclide Production Cross Section

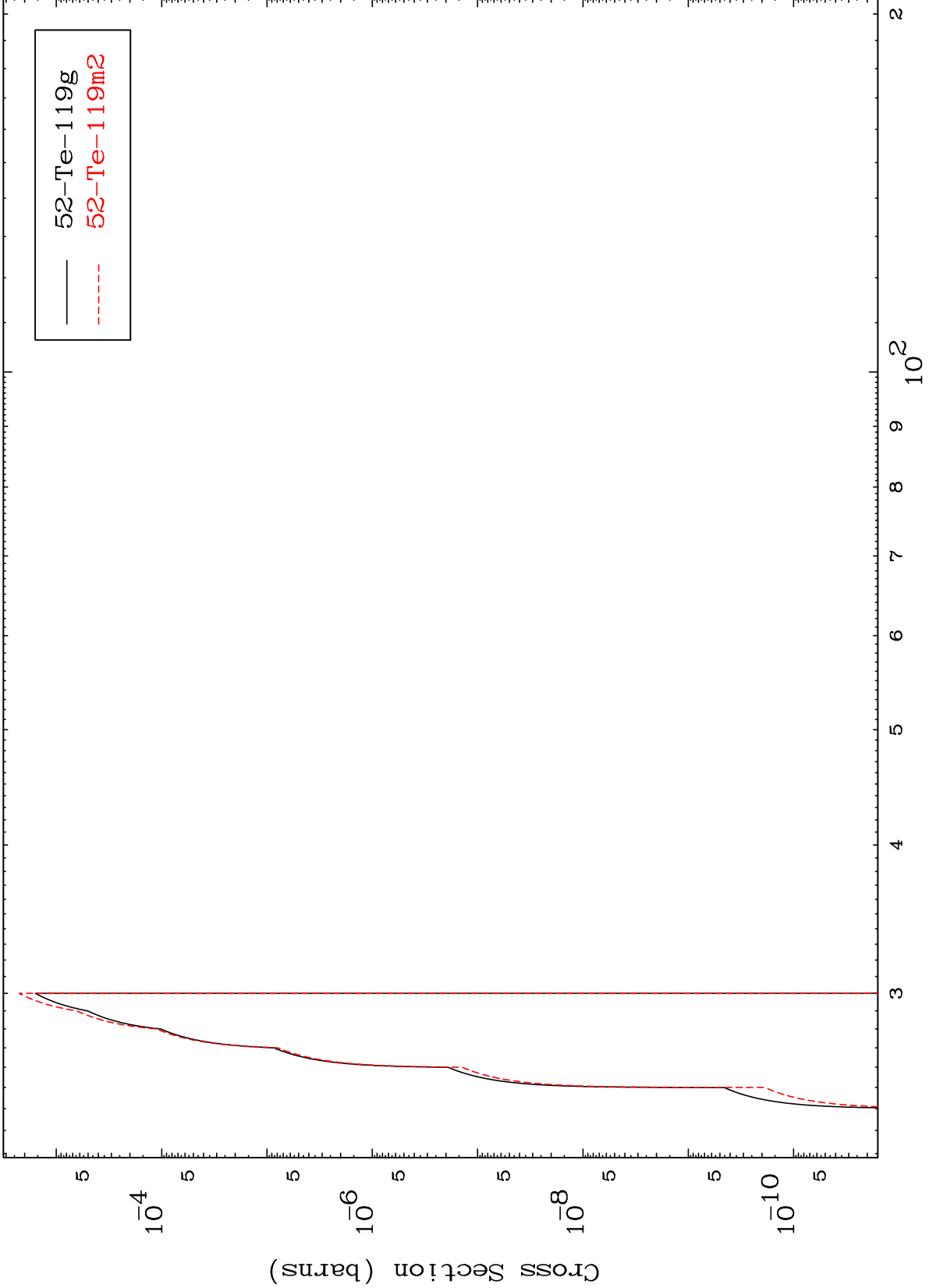


101

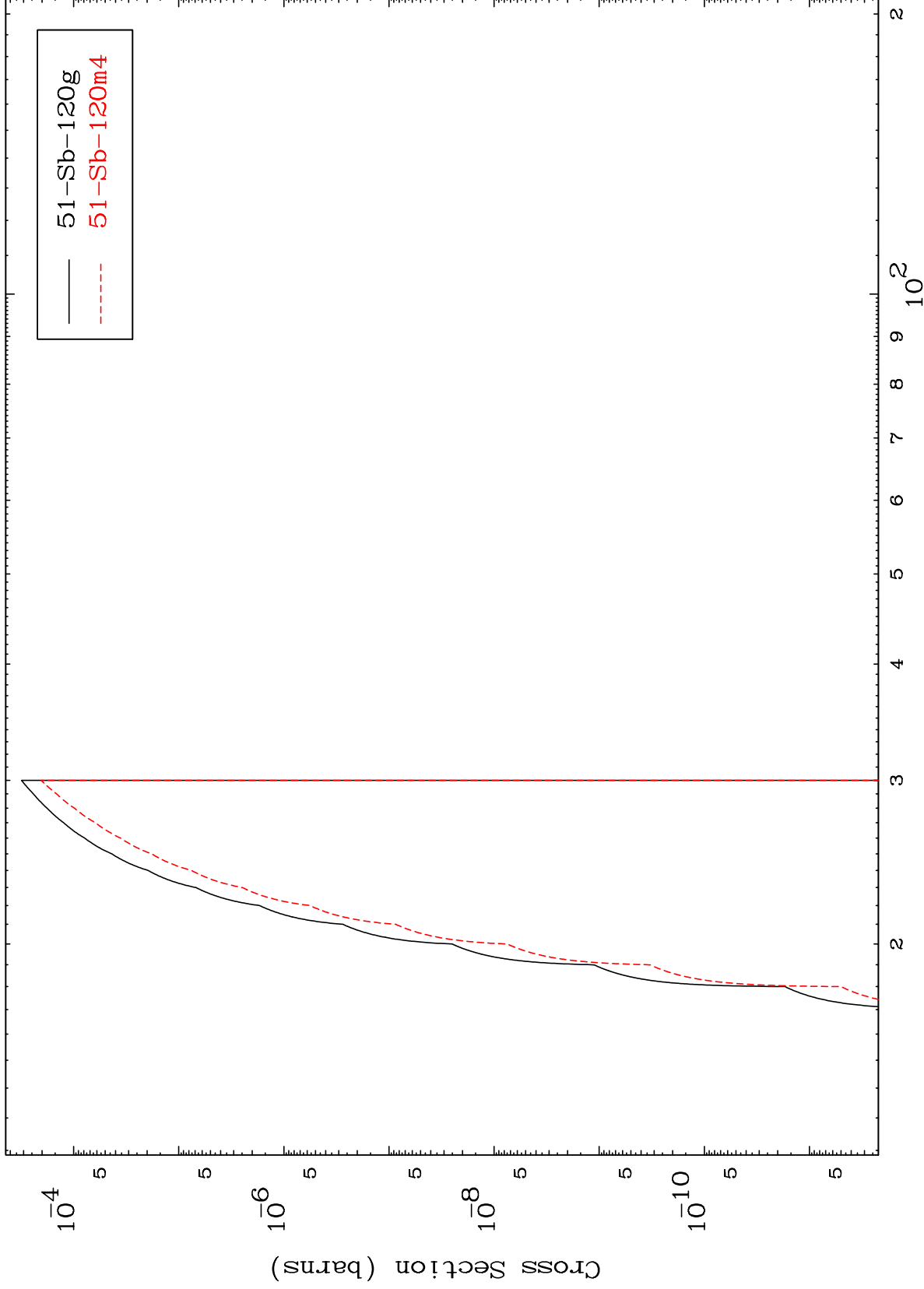
Incident Energy (MeV)

53-I -122

Radionuclide Production Cross Section



Radionuclide Production Cross Section

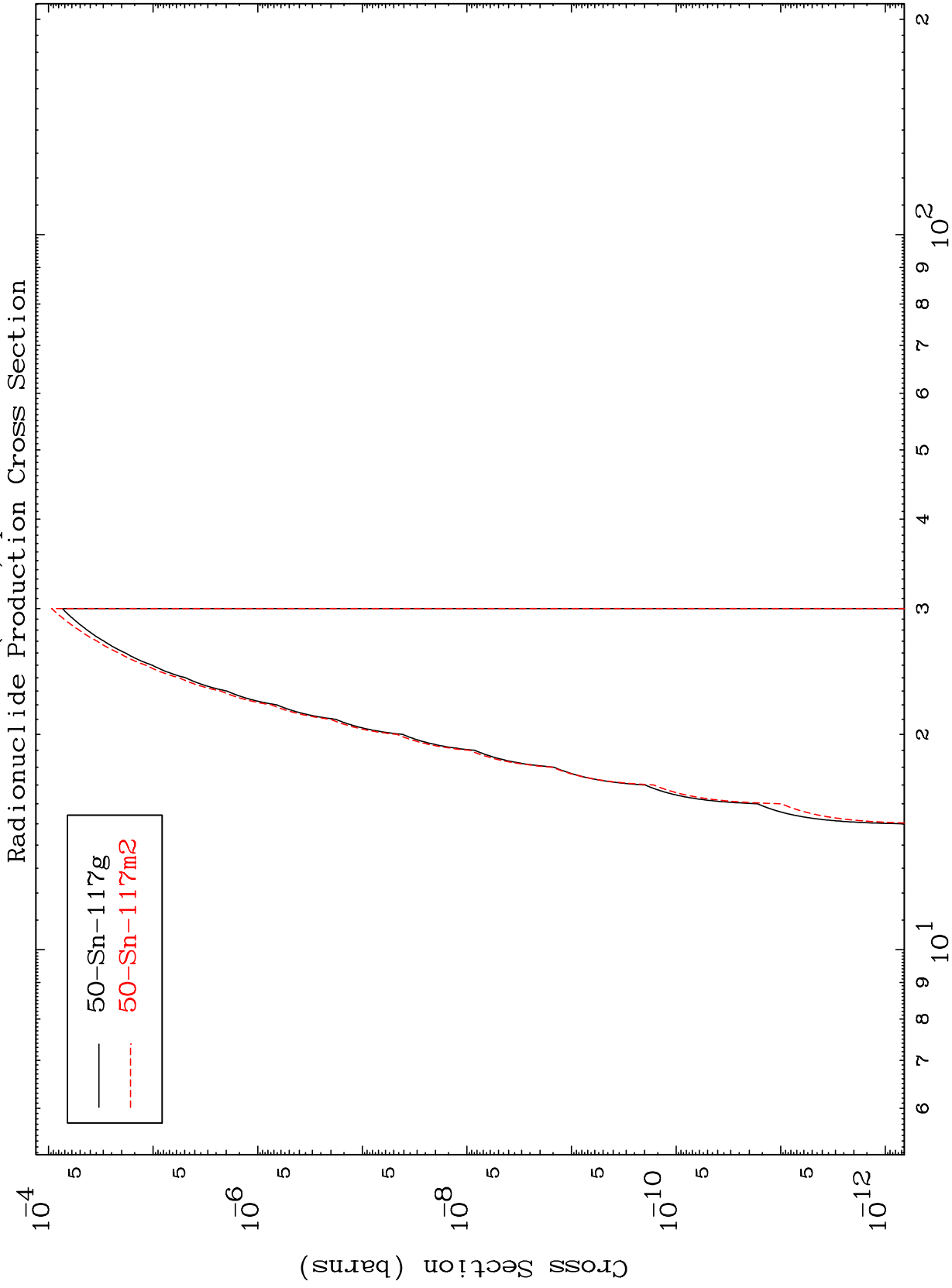




MAT 5310

(n,n') p  $\alpha$

53-I -122



104

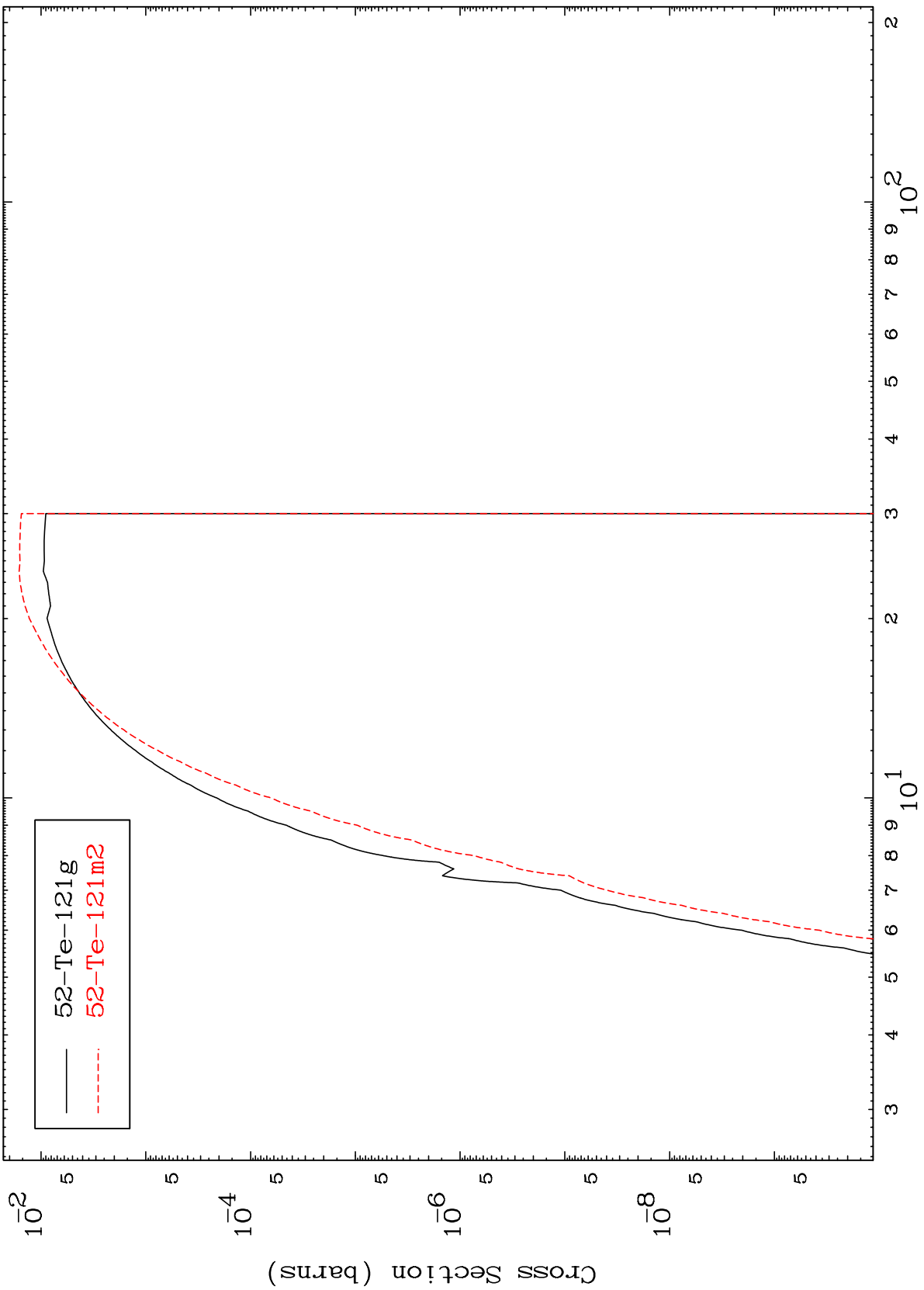
Incident Energy (MeV)

53-I -122

MAT 5310

53-I -122

(n,d)  
Radionuclide Production Cross Section

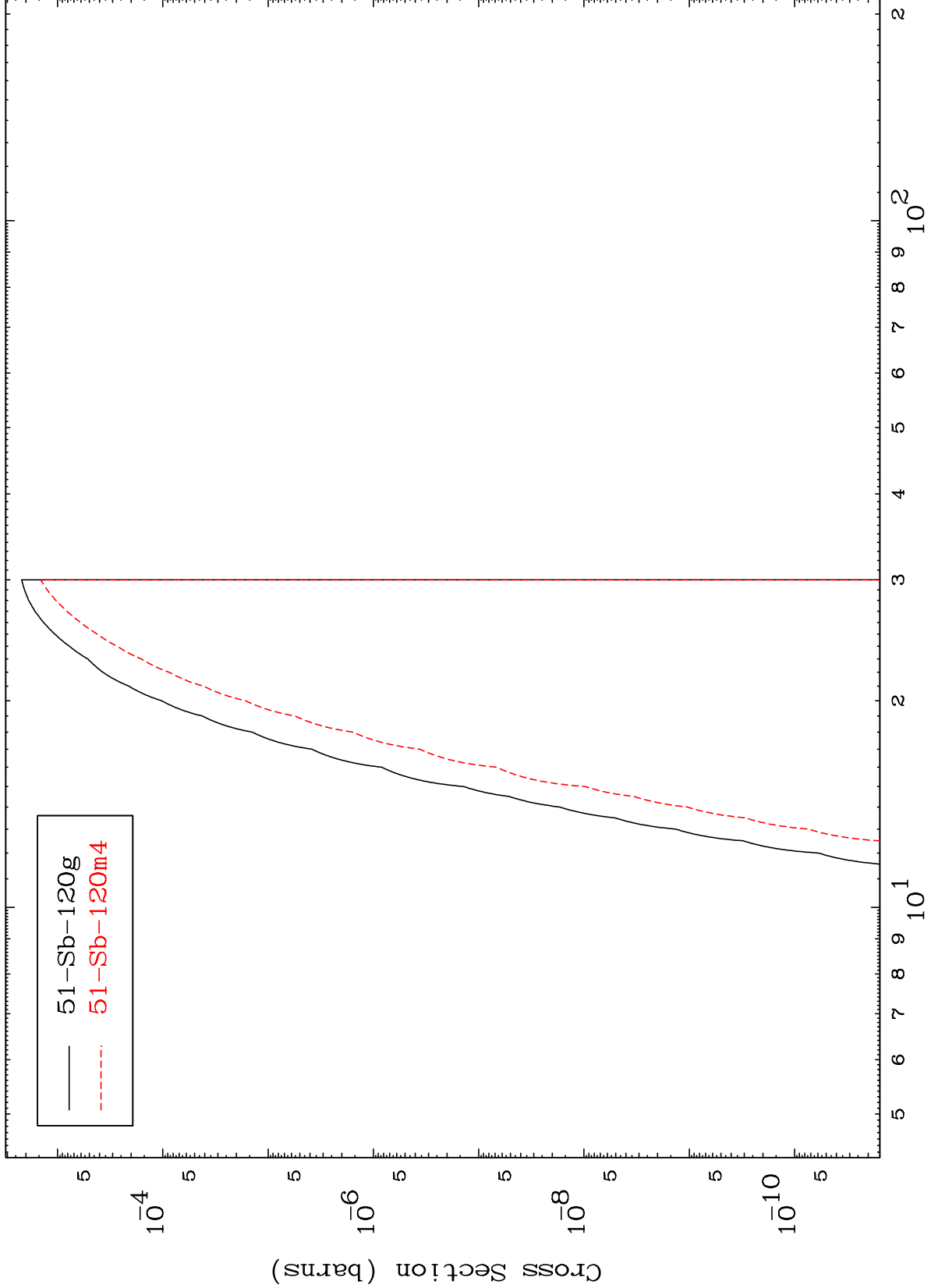


105

Incident Energy (MeV)

53-I -122

Radionuclide Production Cross Section

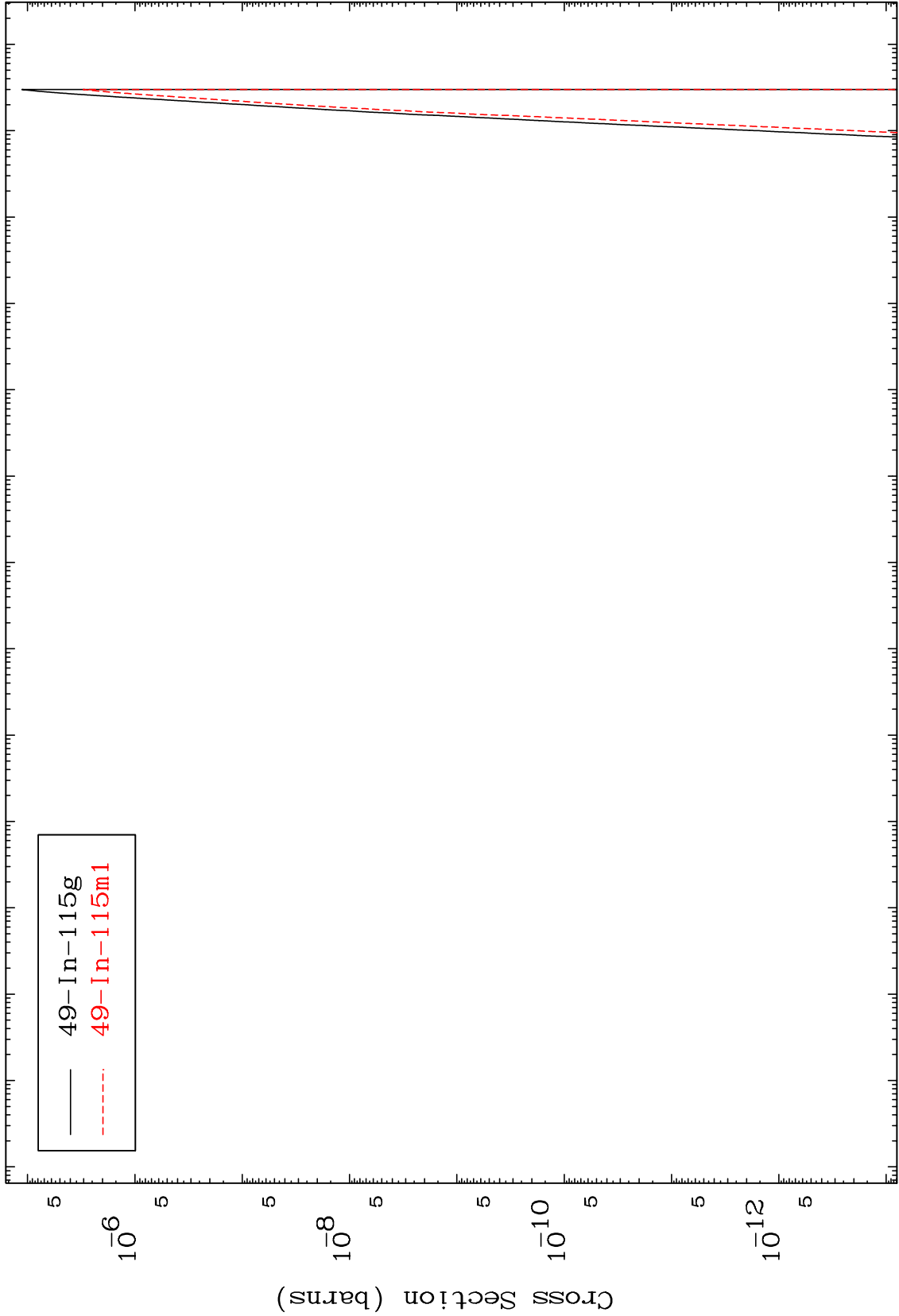
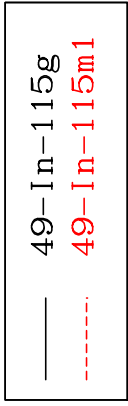


MAT 5310

(n,2α)

53-I -122

Radionuclide Production Cross Section



107

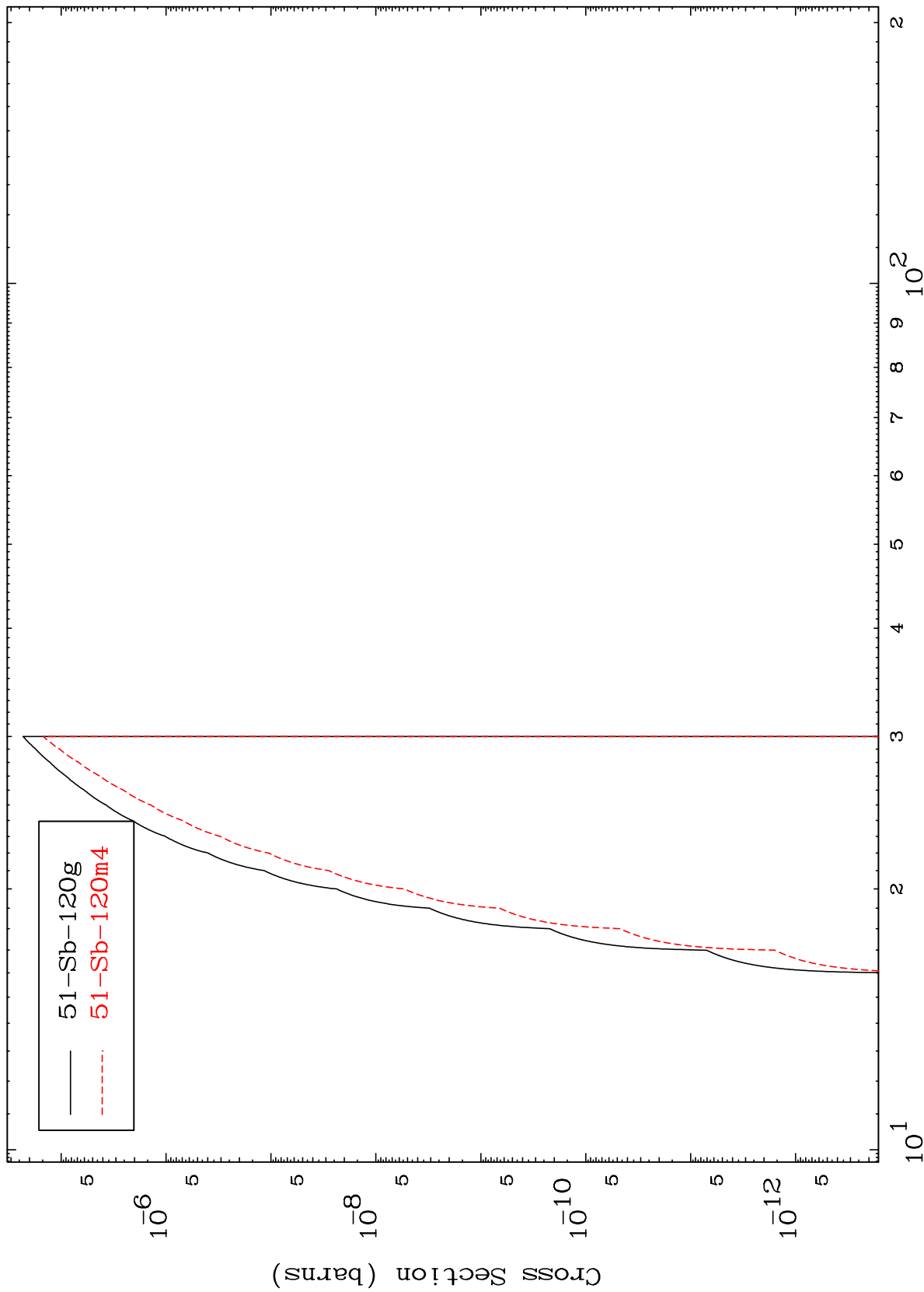
53-I -122

MAT 5310

(n,p) d

53-I -122

Radionuclide Production Cross Section



Incident Energy (MeV)

53-I -122

108

Radionuclide Production Cross Section

