

Program EVALPLOT
(Version 2021-1)

by

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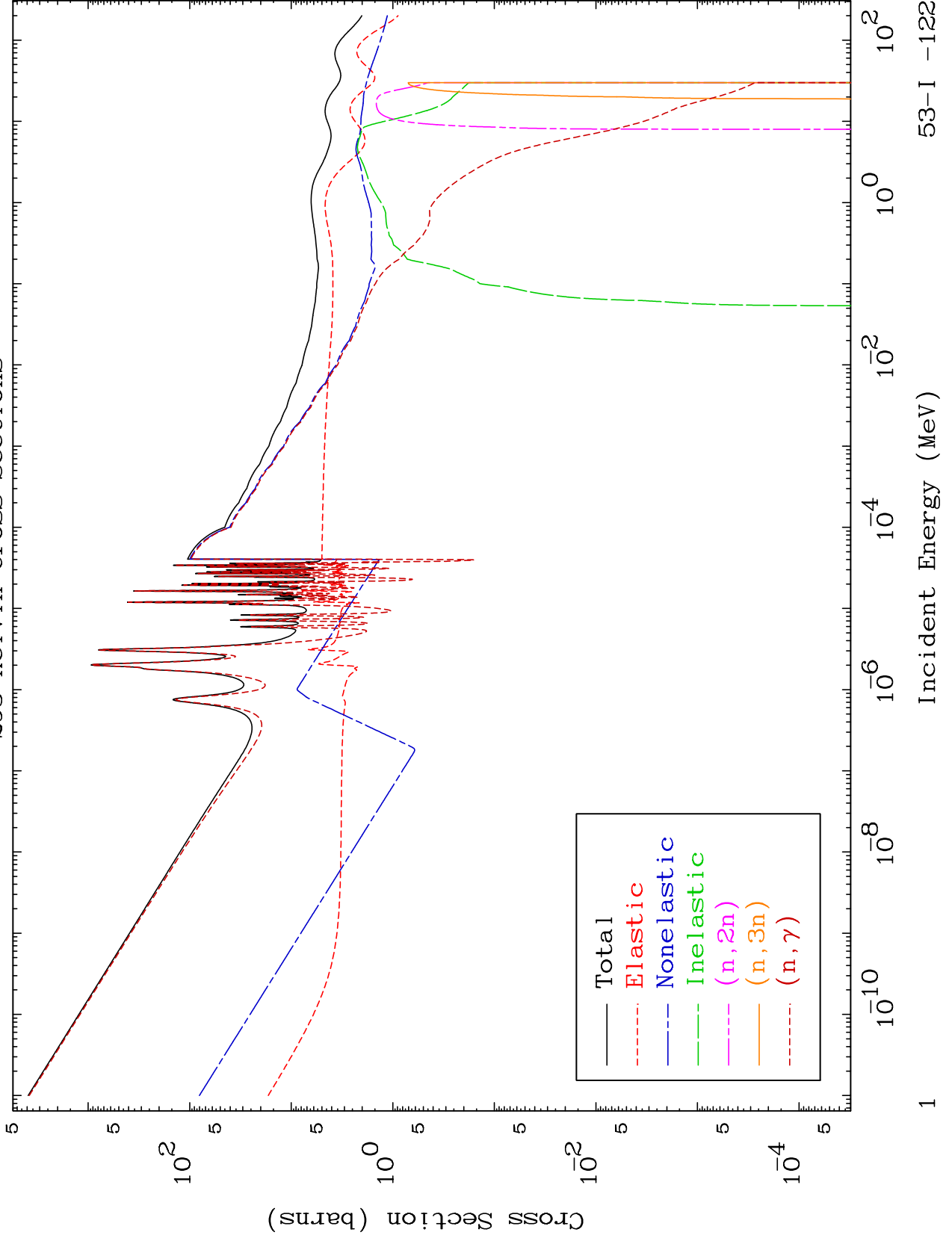
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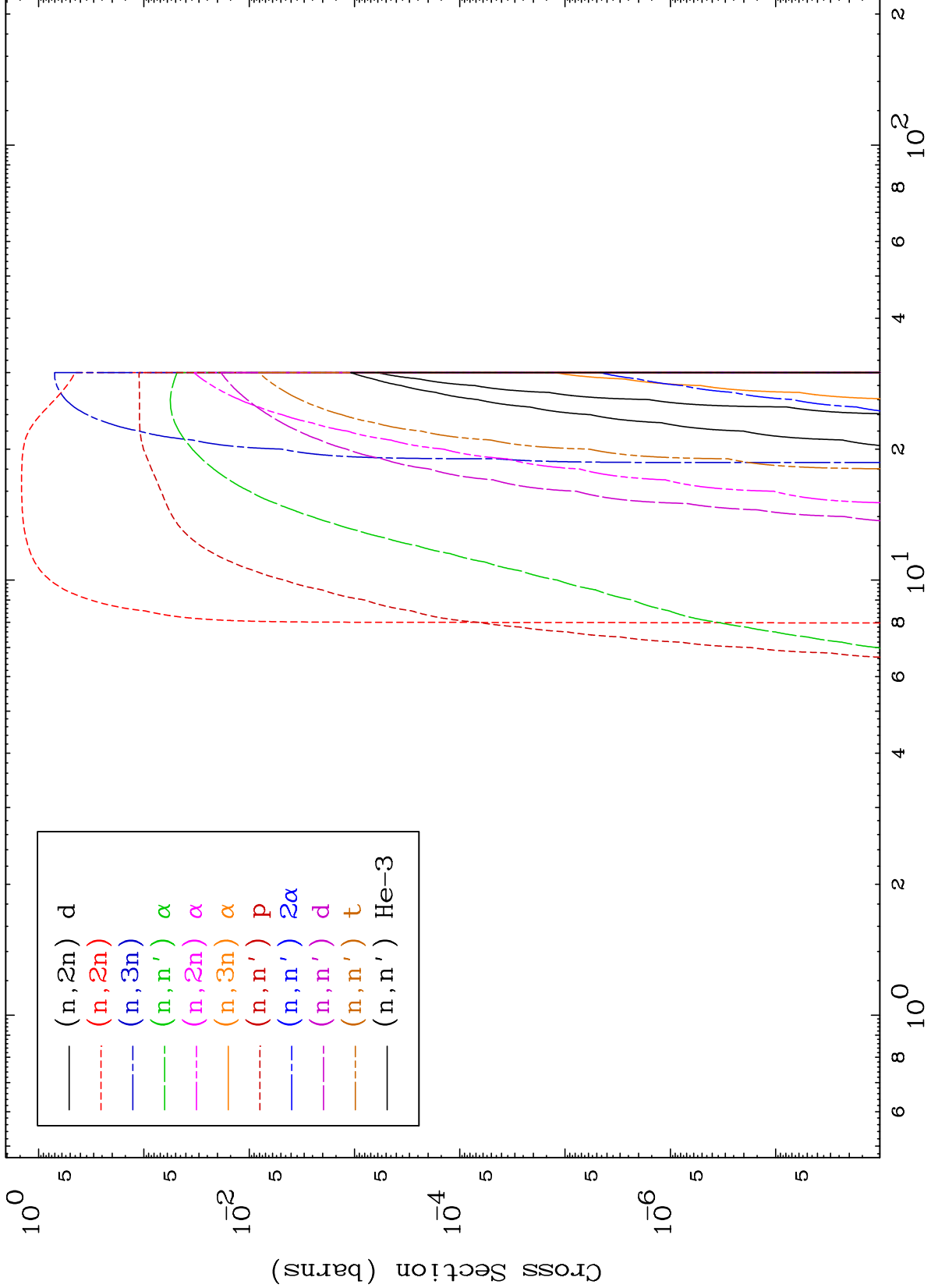
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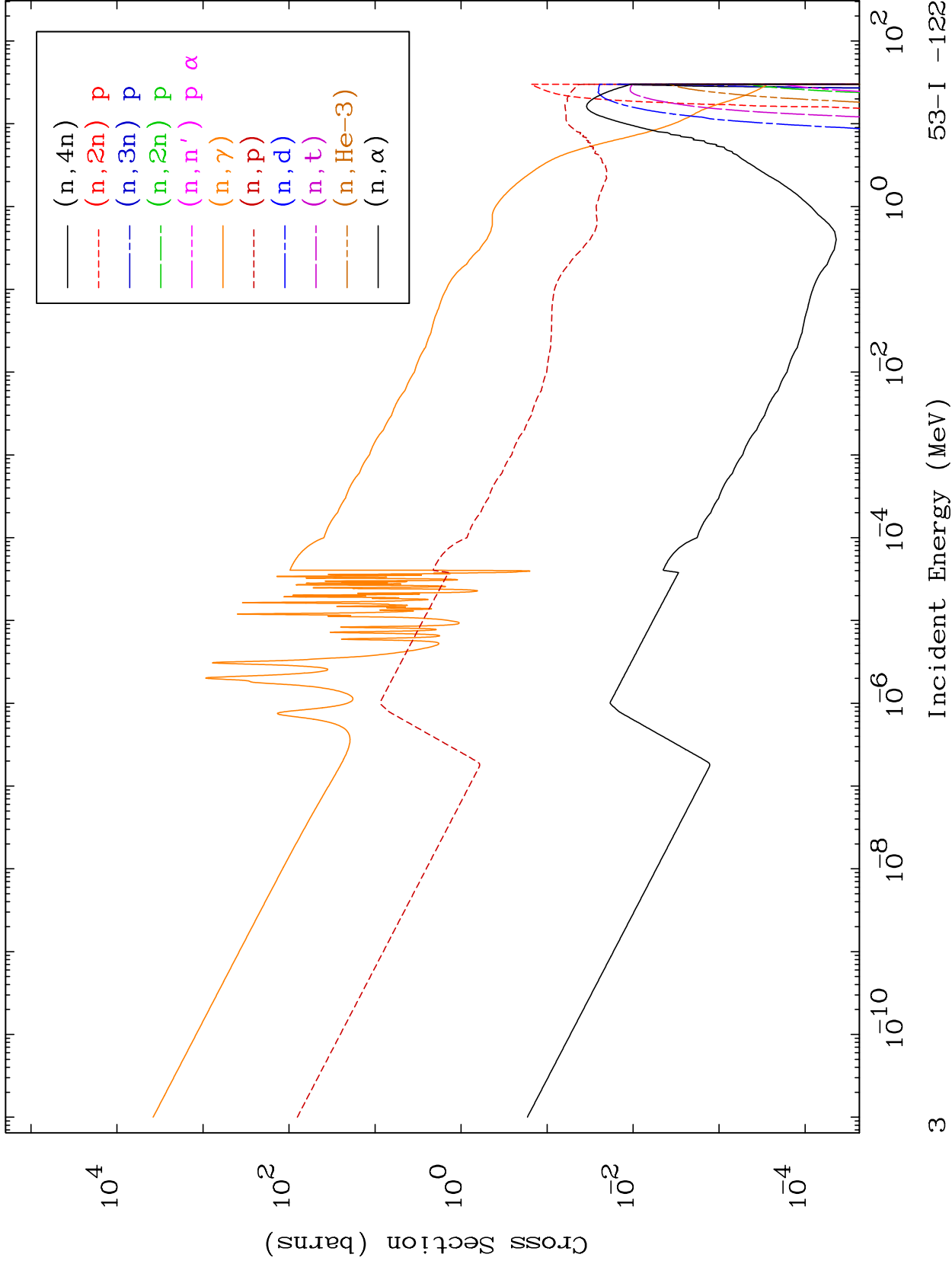
MAT 5310

Neutron Major
293 Kelvin Cross Sections

53-I -122



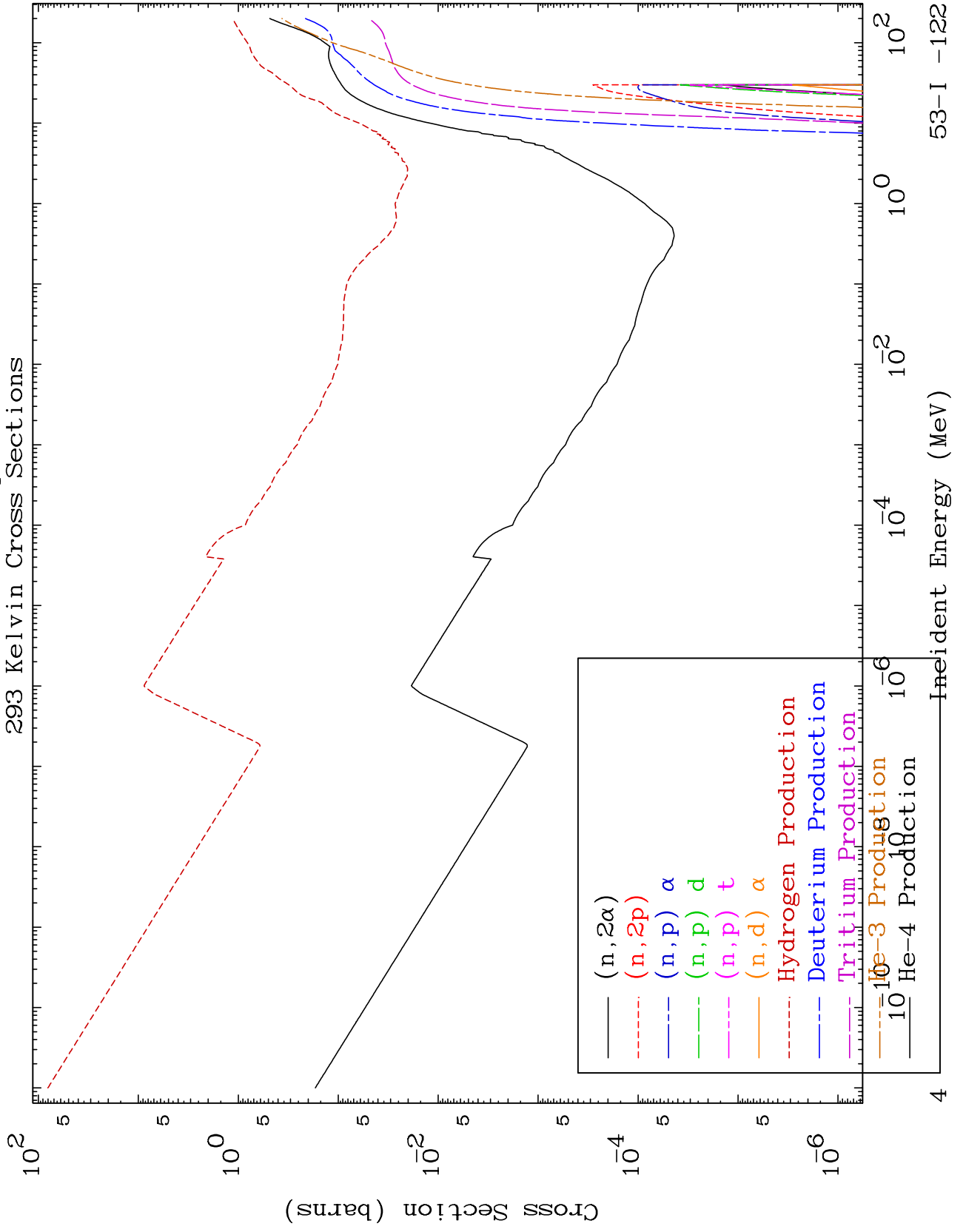




MAT 5310

Neutron Absorption
293 Kelvin Cross Sections

53-I -122



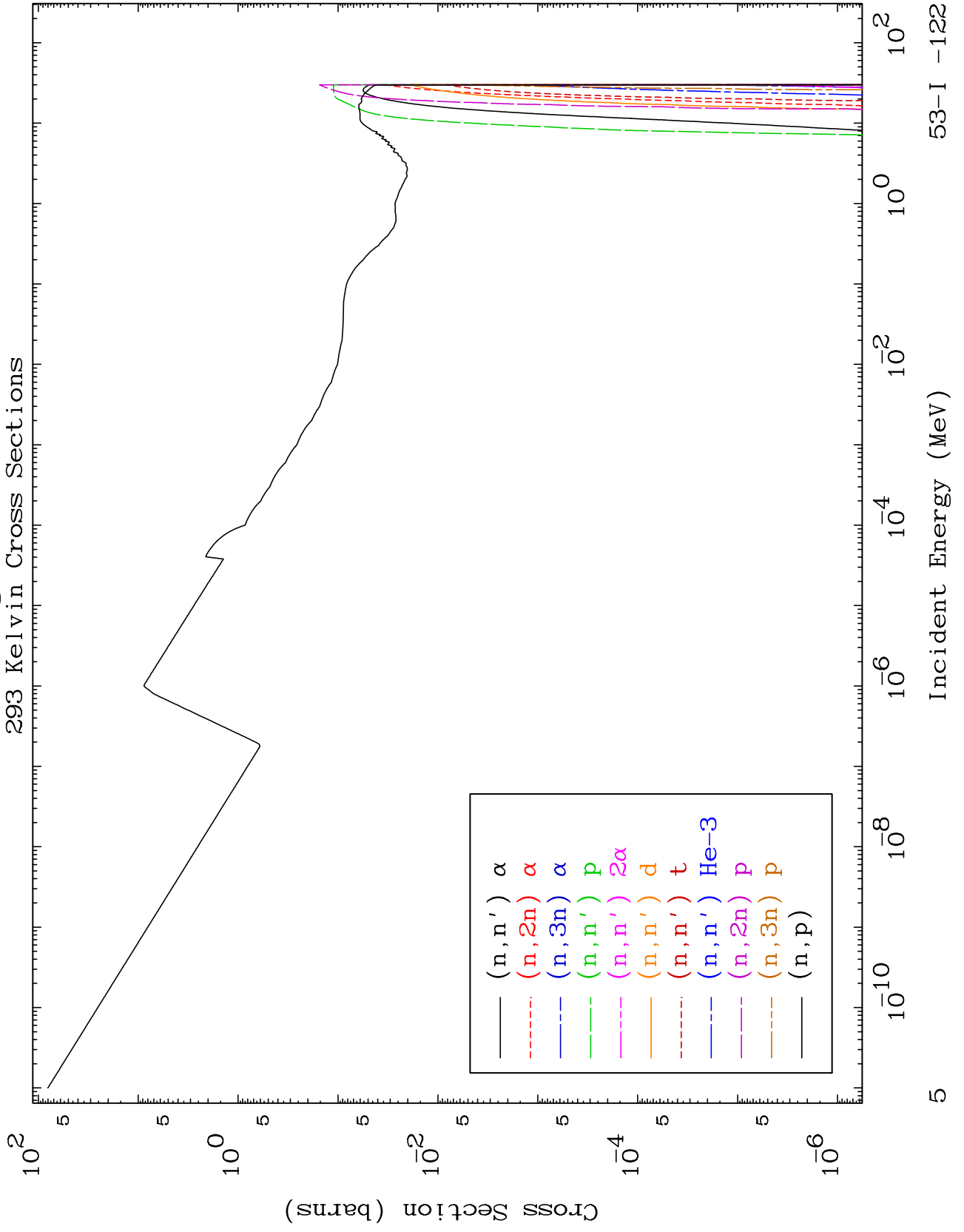
Incident Energy (MeV)

53-I -122

MAT 5310

Charged Particle
293 Kelvin Cross Sections

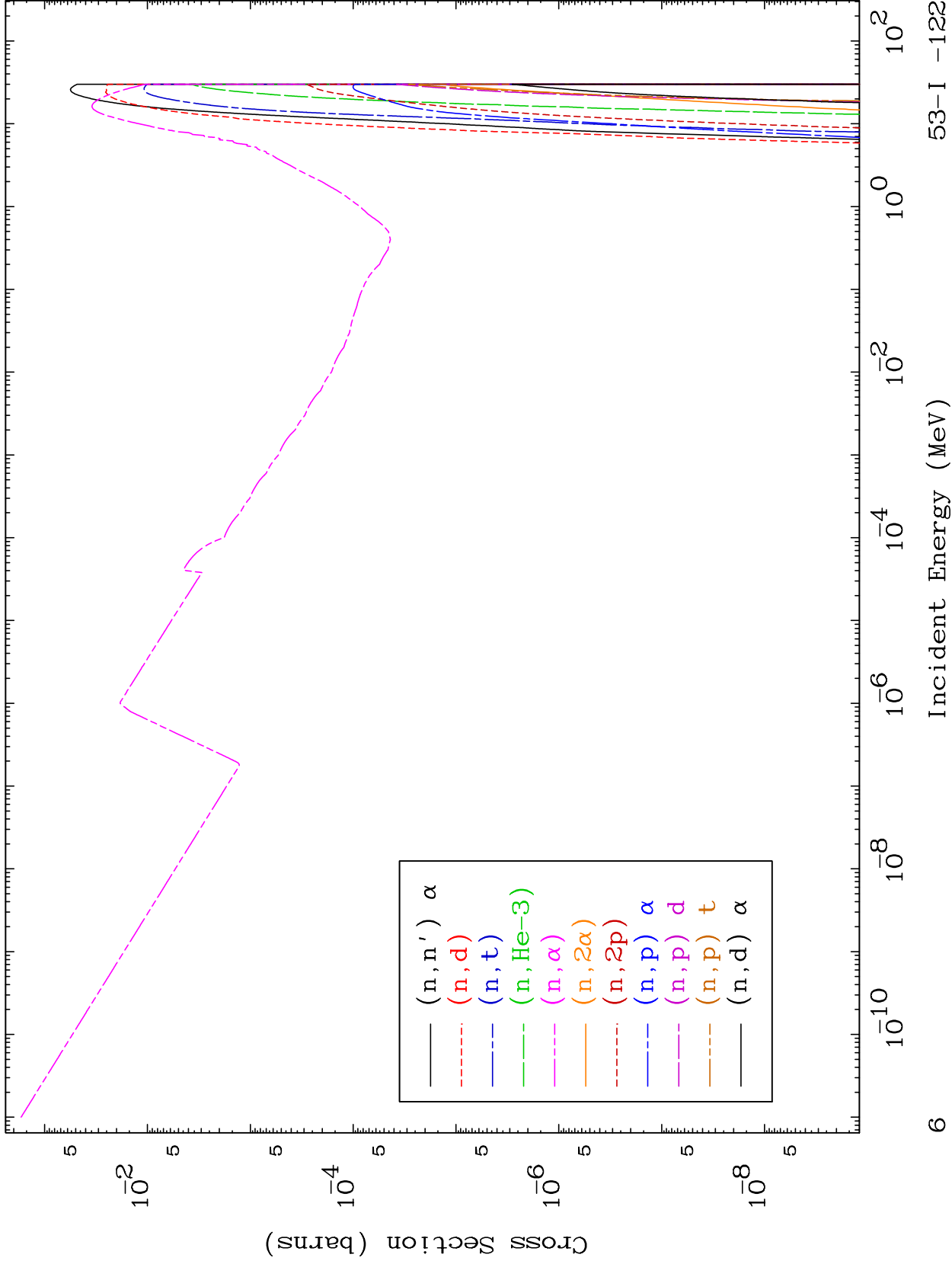
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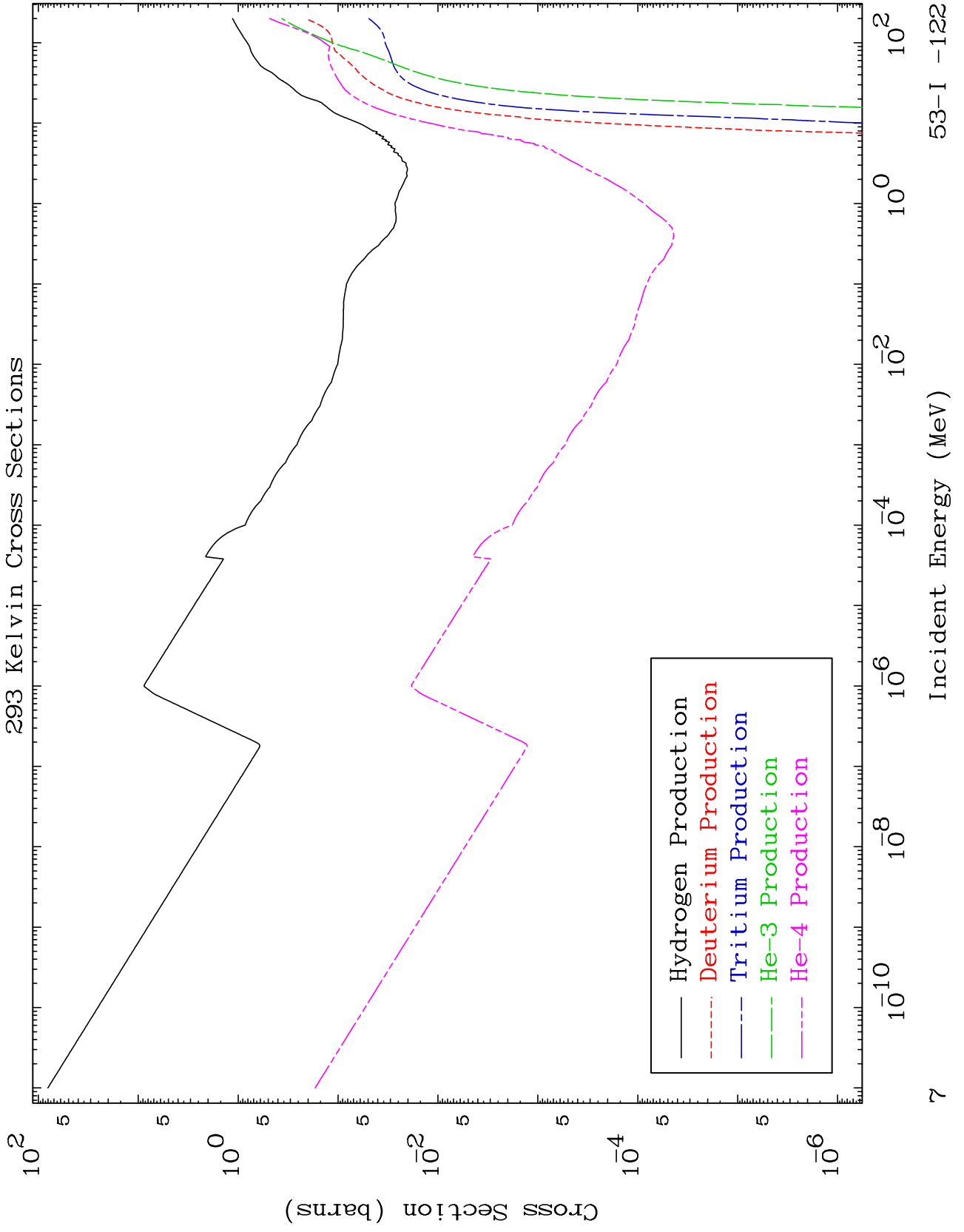


MAT 5310

Charged Particle
293 Kelvin Cross Sections

53-I -122

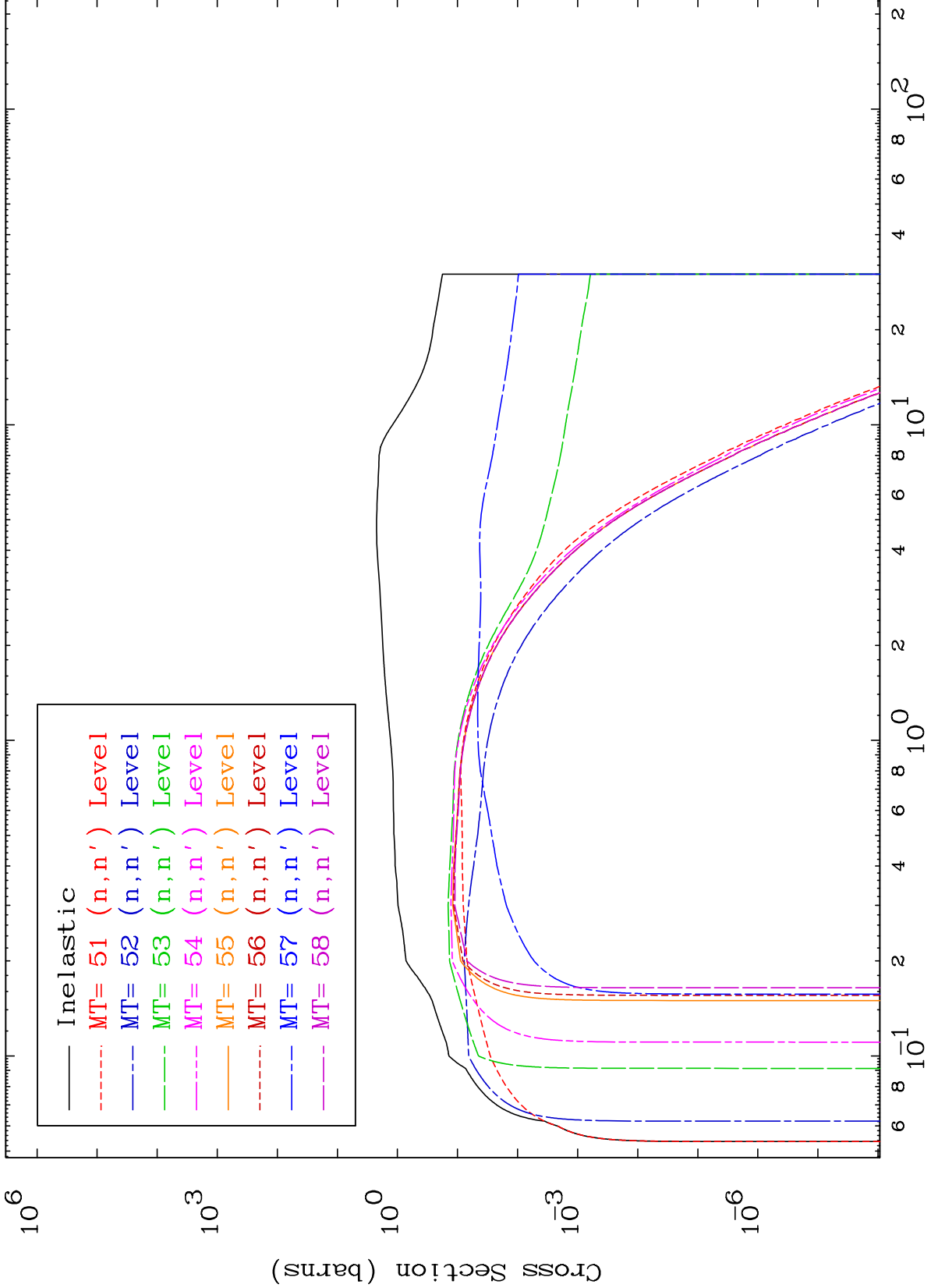


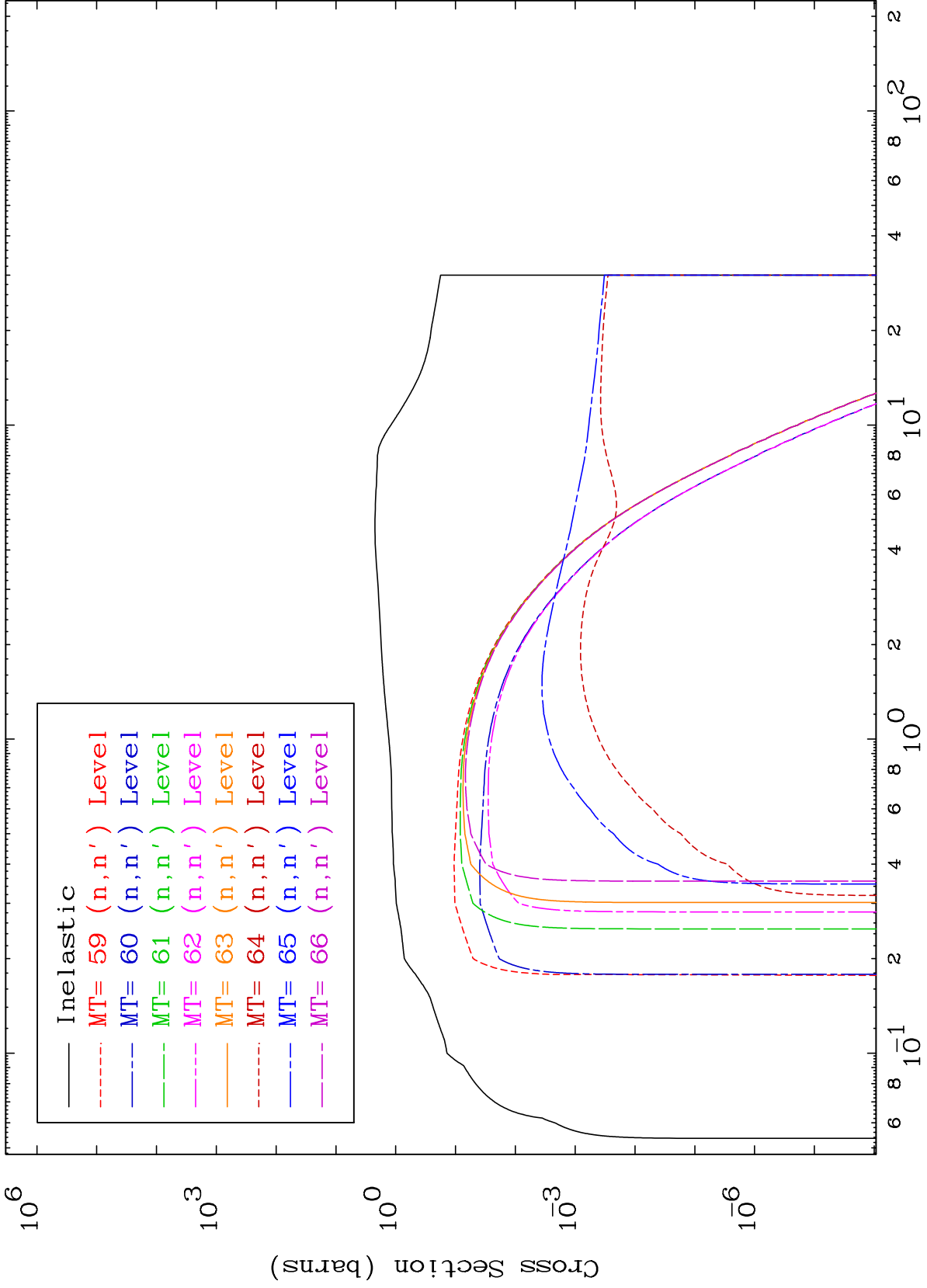


MAT 5310

(n,n') Levels
293 Kelvin Cross Sections

53-I -122

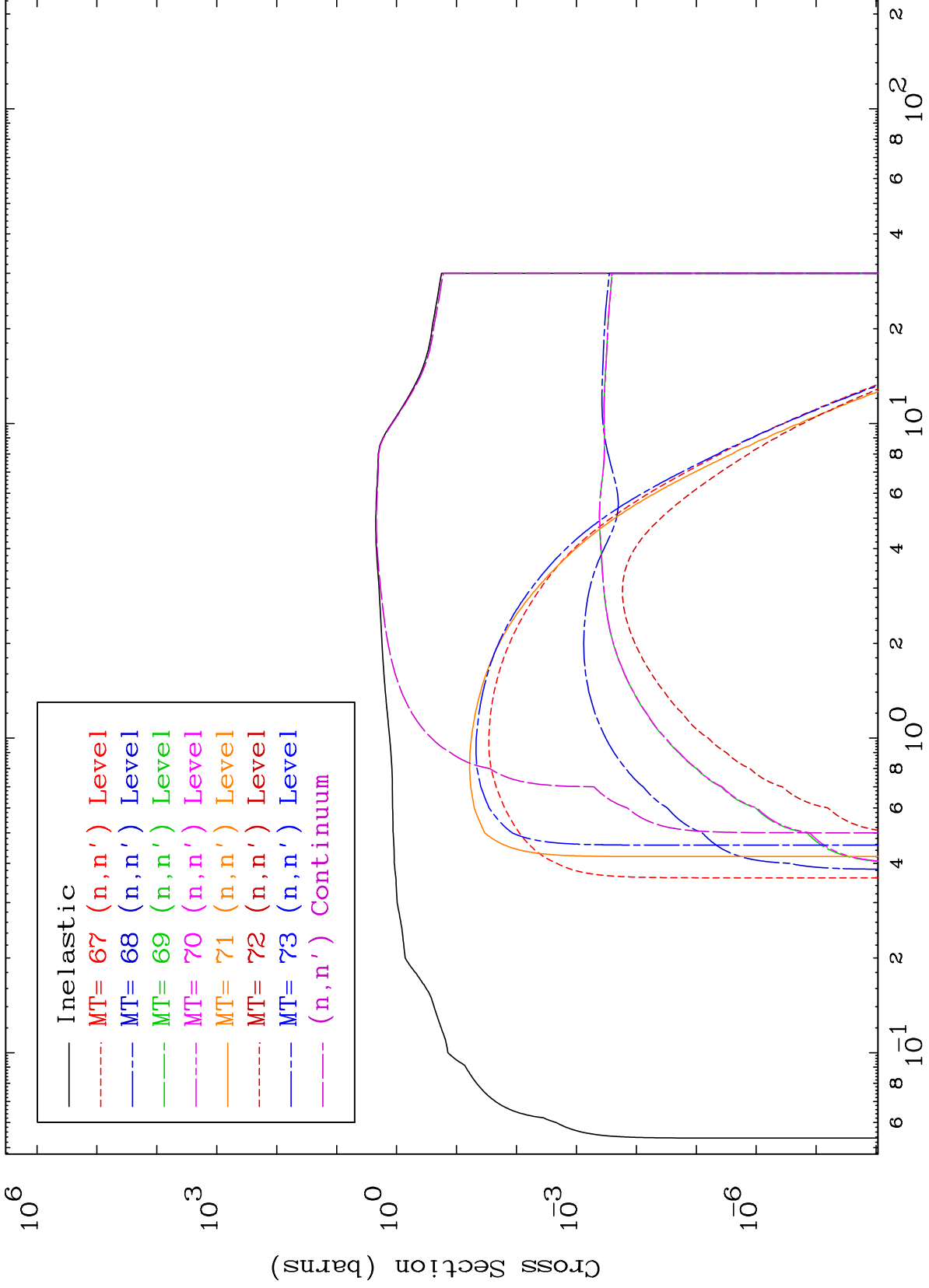




MAT 5310

(n,n') Levels
293 Kelvin Cross Sections

53-I -122



10

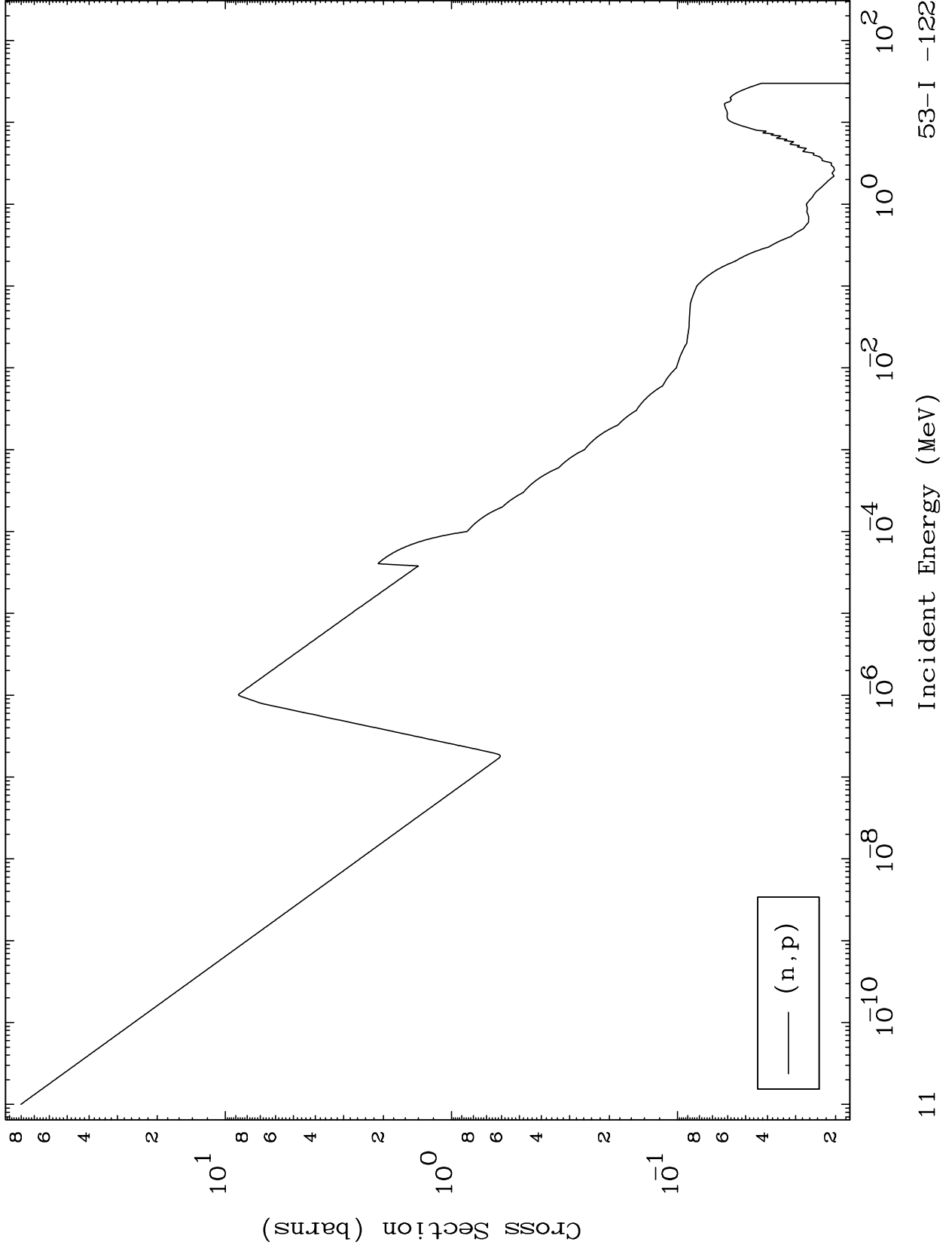
Incident Energy (MeV)

53-I -122

MAT 5310

(n,p) Levels
293 Kelvin Cross Sections

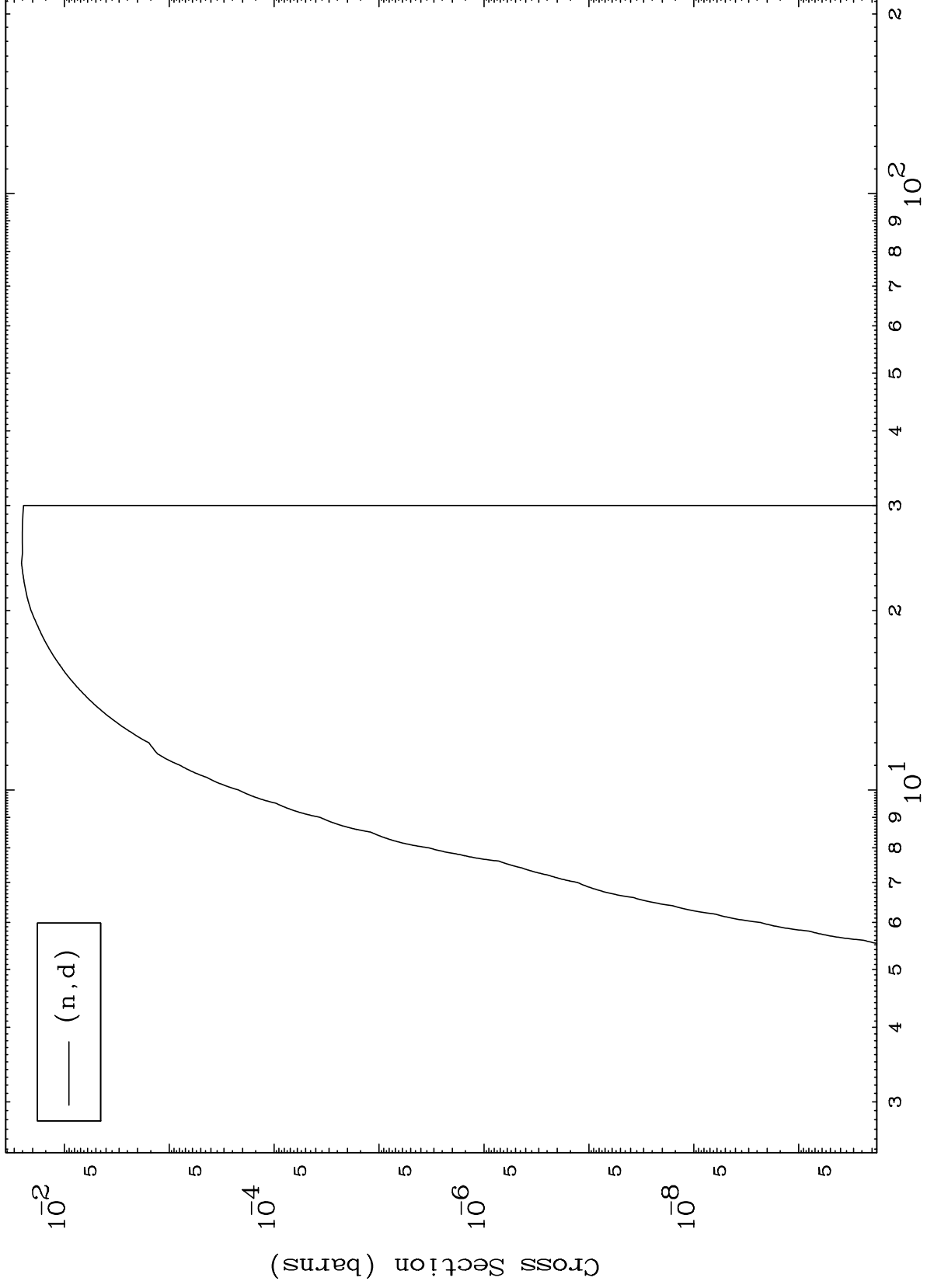
53-I -122



MAT 5310

(n,d) Levels
293 Kelvin Cross Sections

53-I -122



12

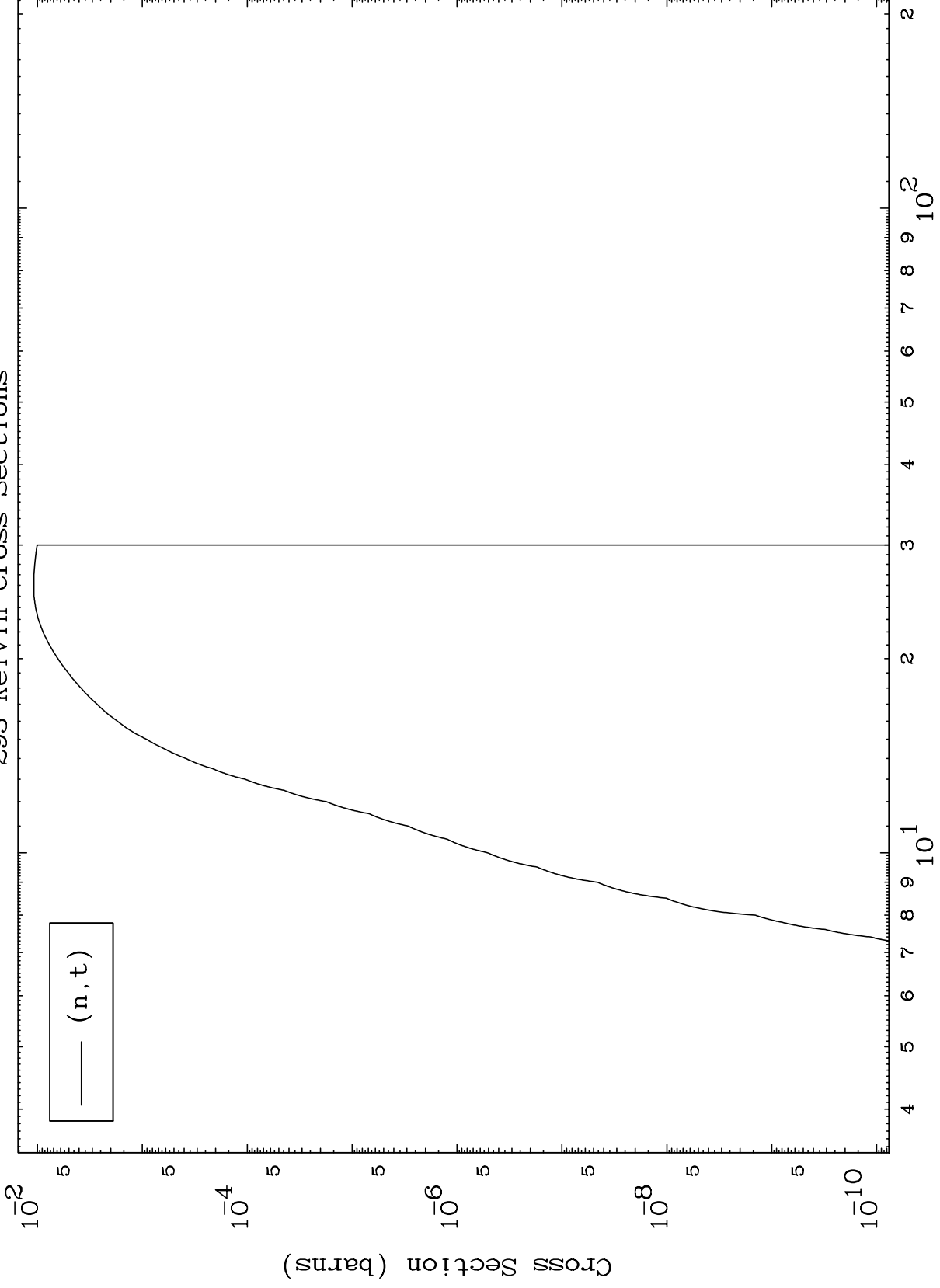
Incident Energy (MeV)

53-I -122

MAT 5310

(n,t) Levels
293 Kelvin Cross Sections

53-I -122



13

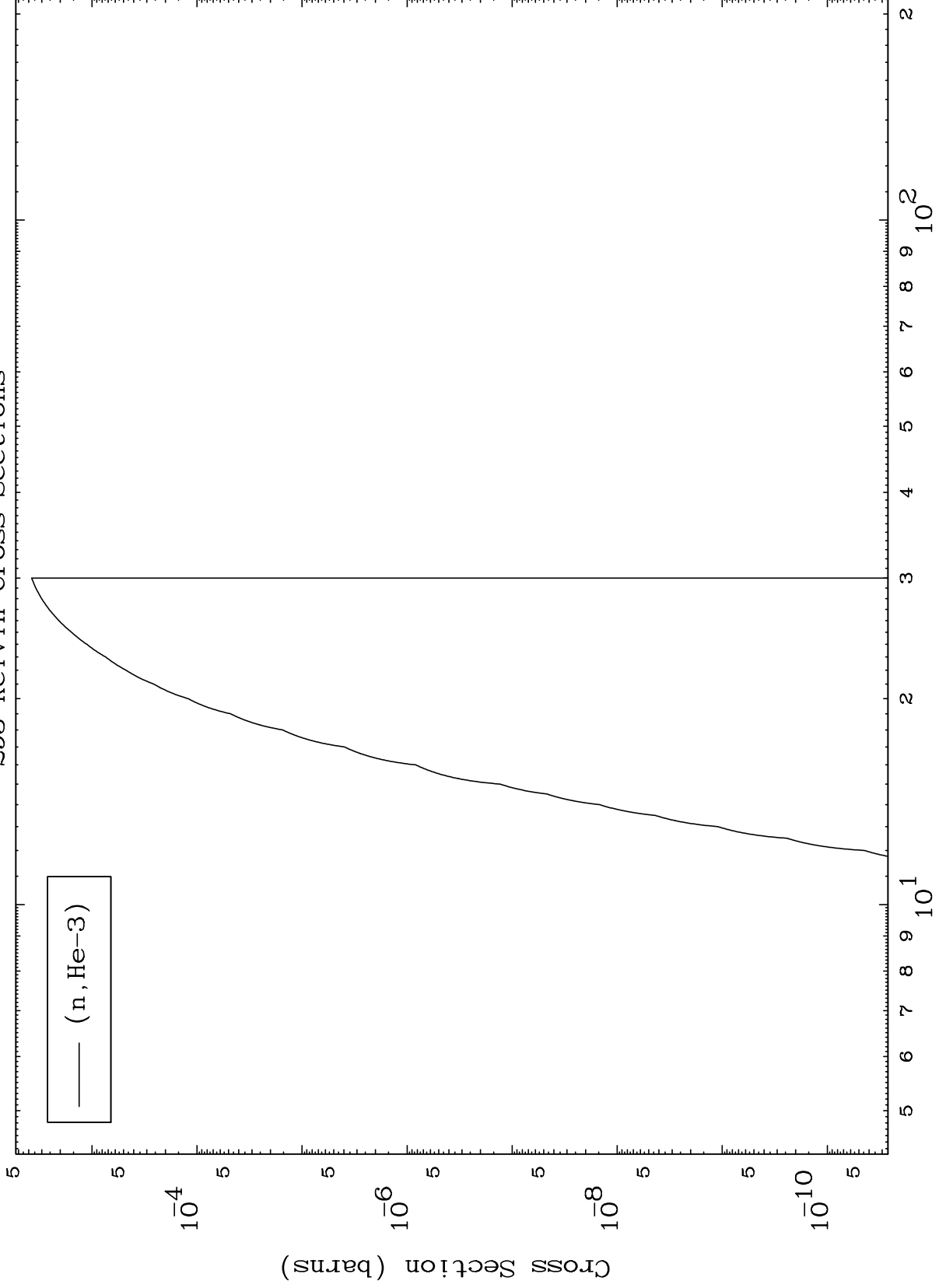
Incident Energy (MeV)

53-I -122

MAT 5310

(n,He3) Levels
293 Kelvin Cross Sections

53-I -122



14

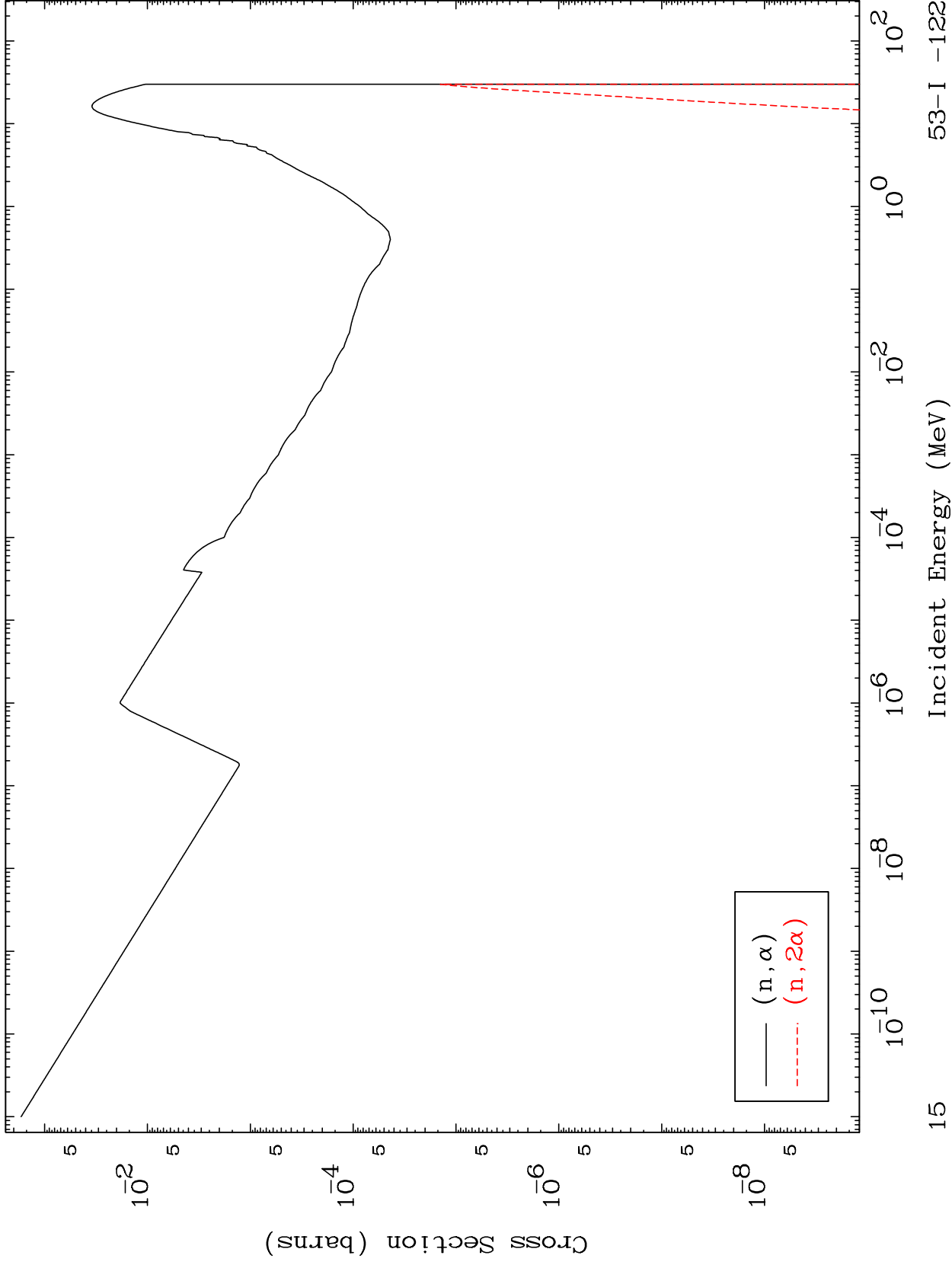
Incident Energy (MeV)

53-I -122

MAT 5310

(n, α) Levels
293 Kelvin Cross Sections

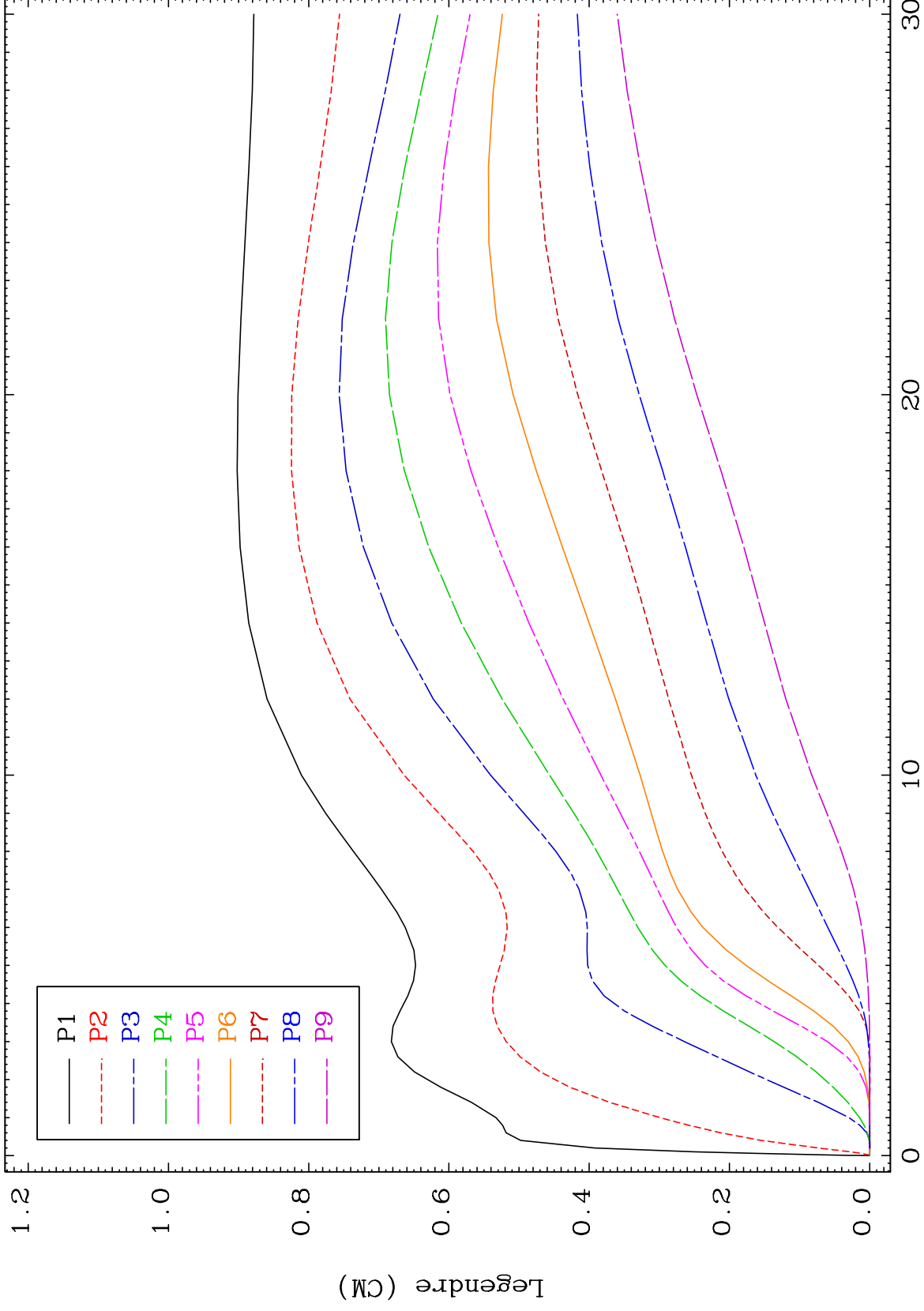
53-I -122



MAT 5310

Elastic Legendre Coefficients

53-I -122



16

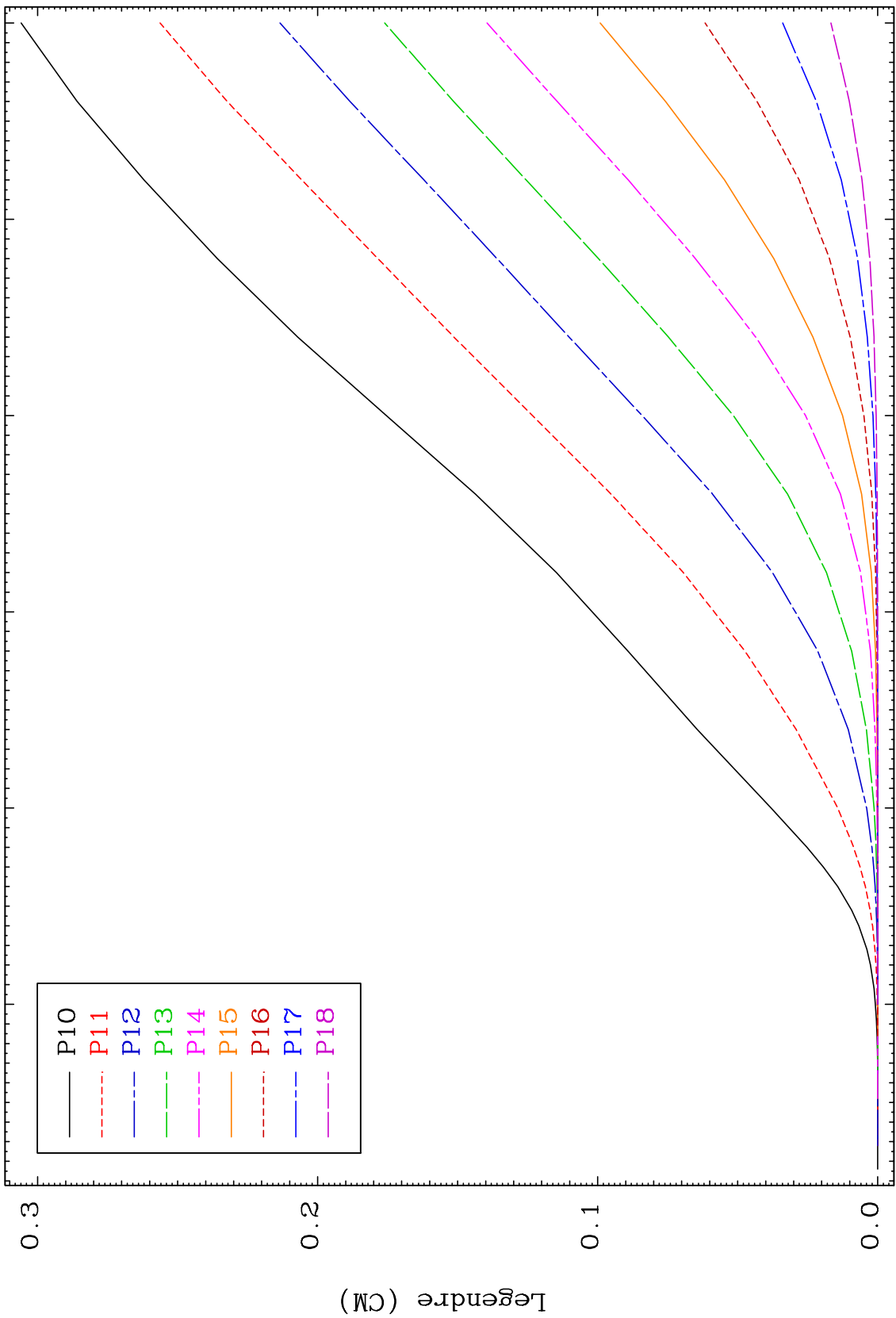
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



17

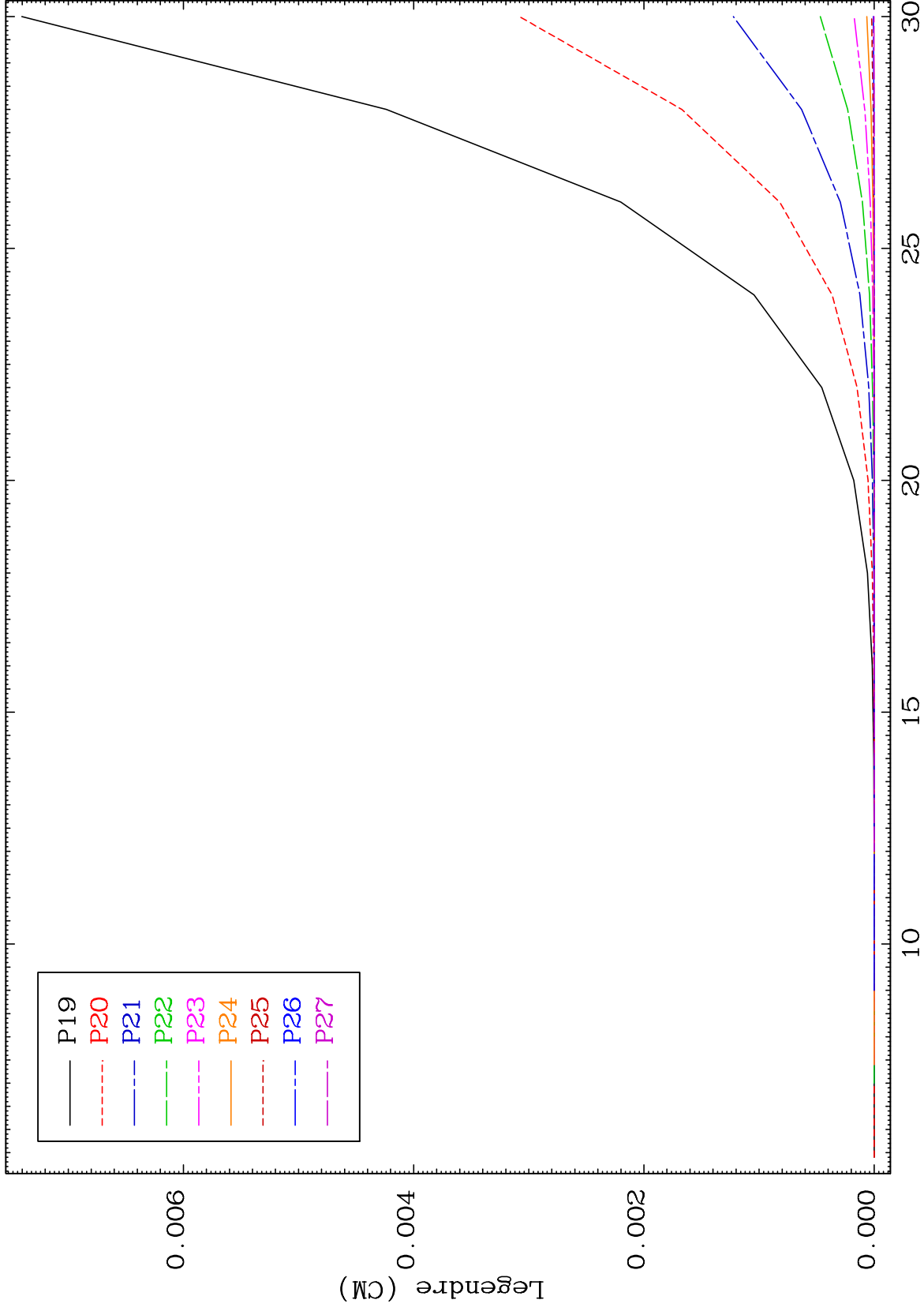
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



18

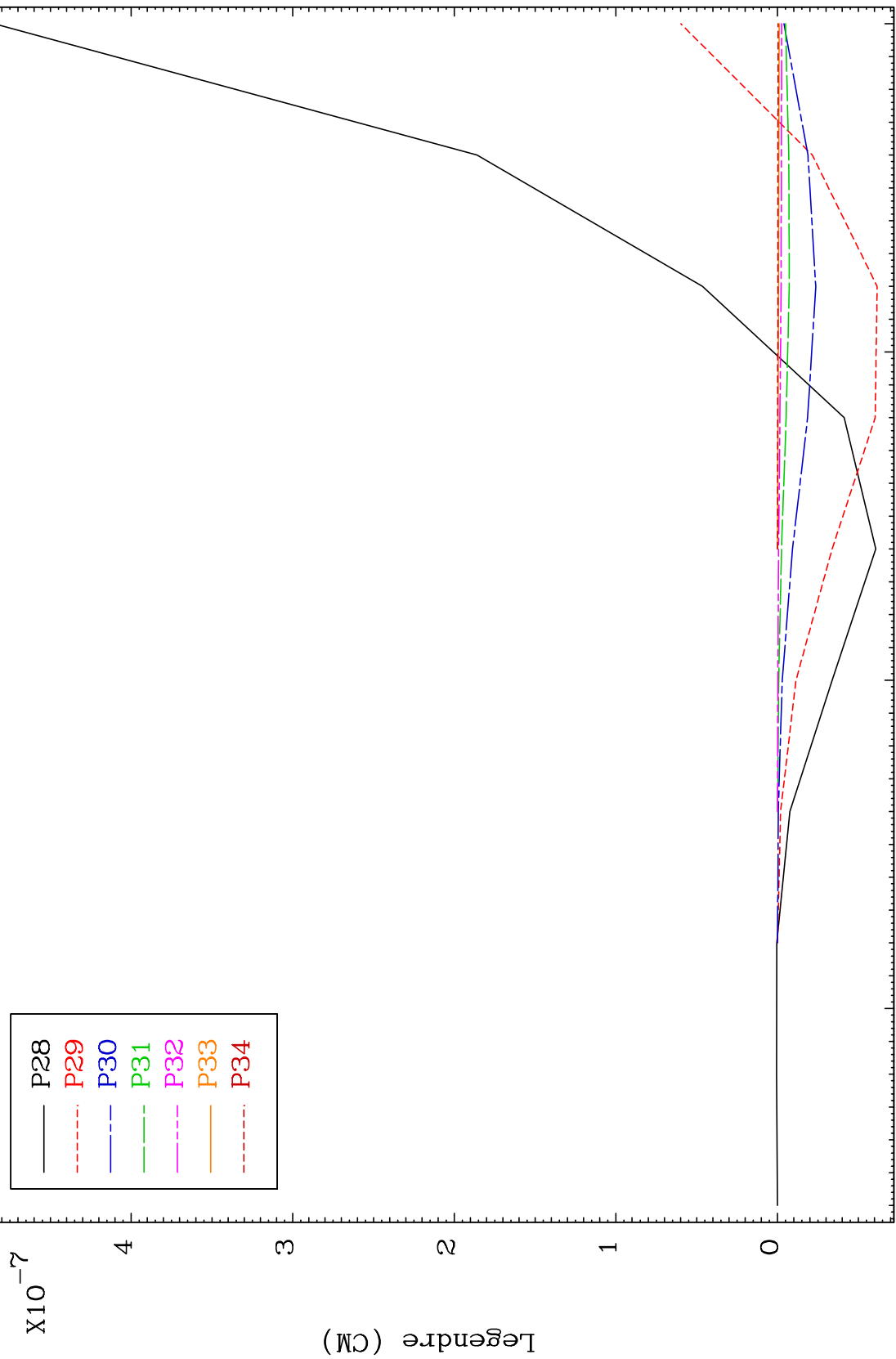
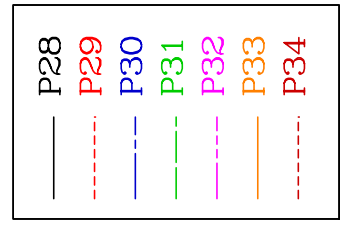
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



19

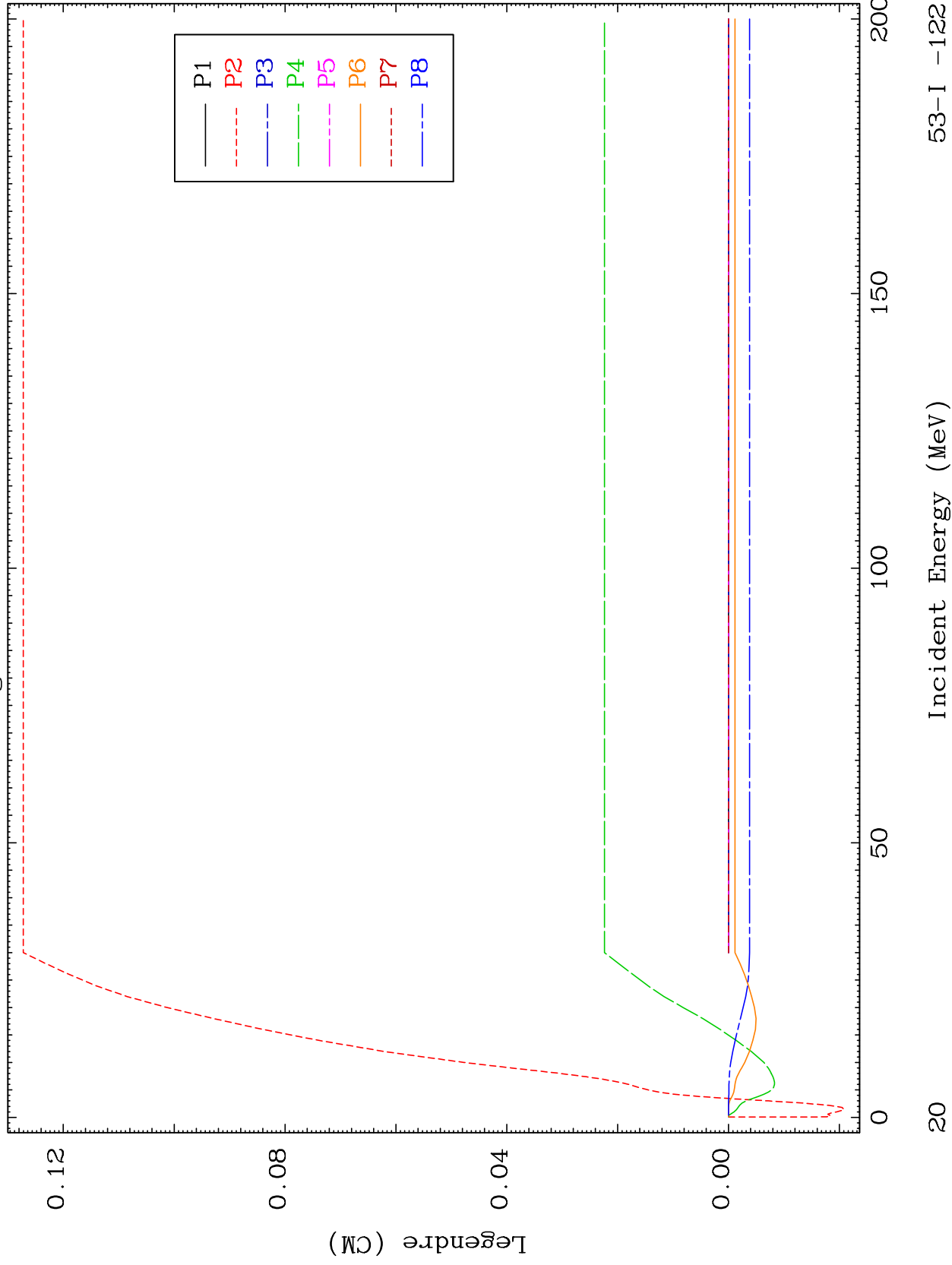
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

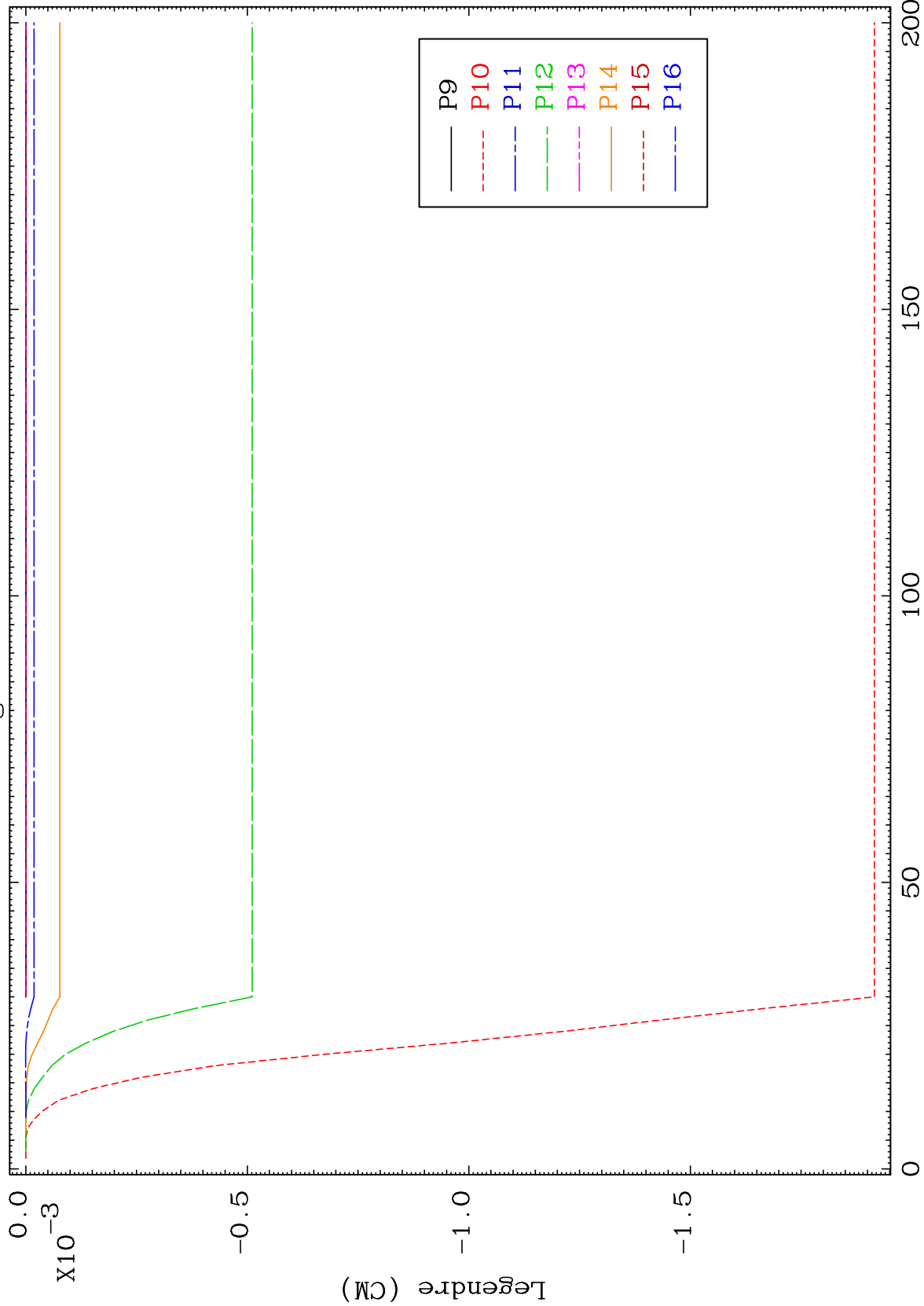
Incident Energy (MeV)

0

MAT 5310

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

53-I -122



21

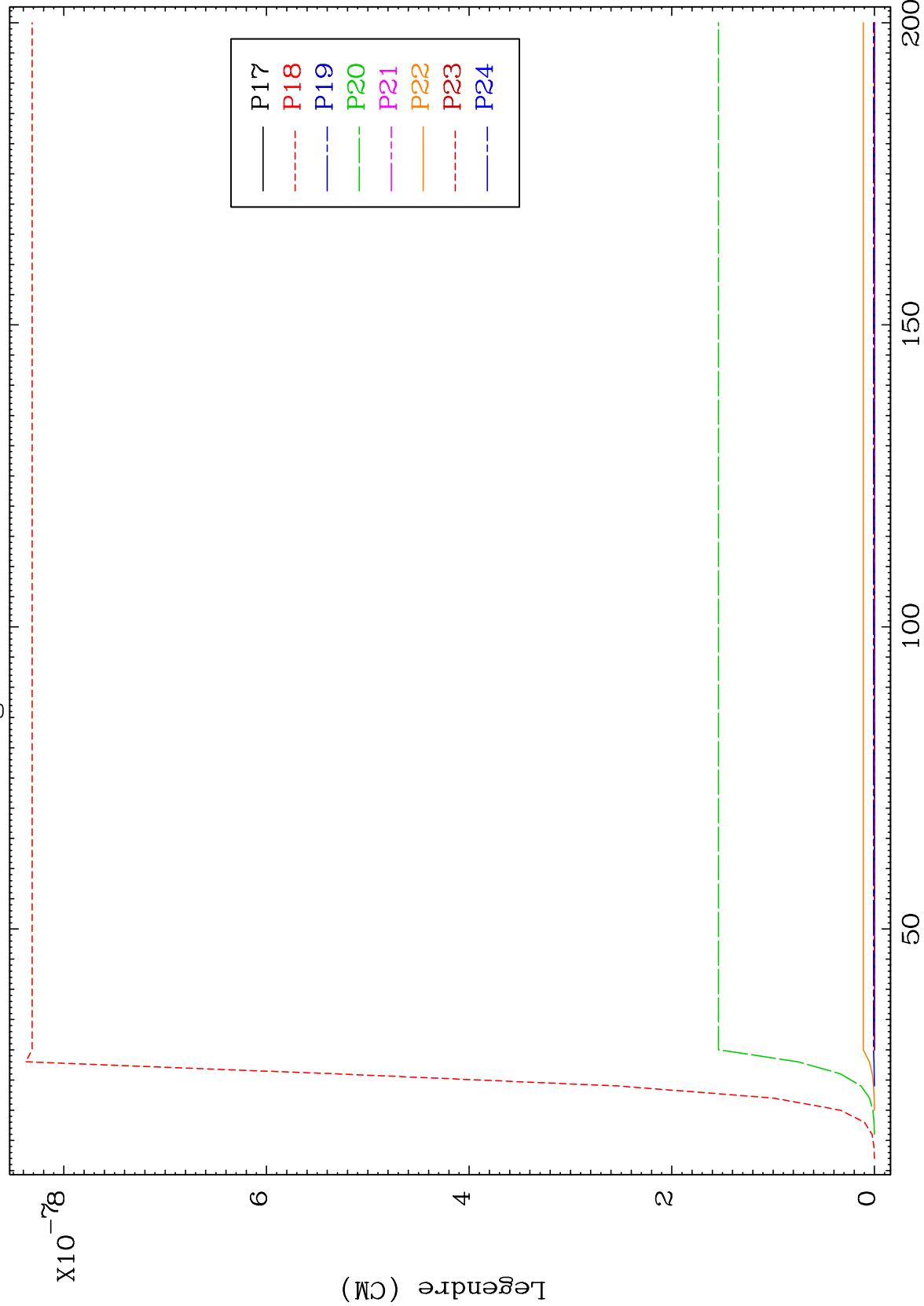
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

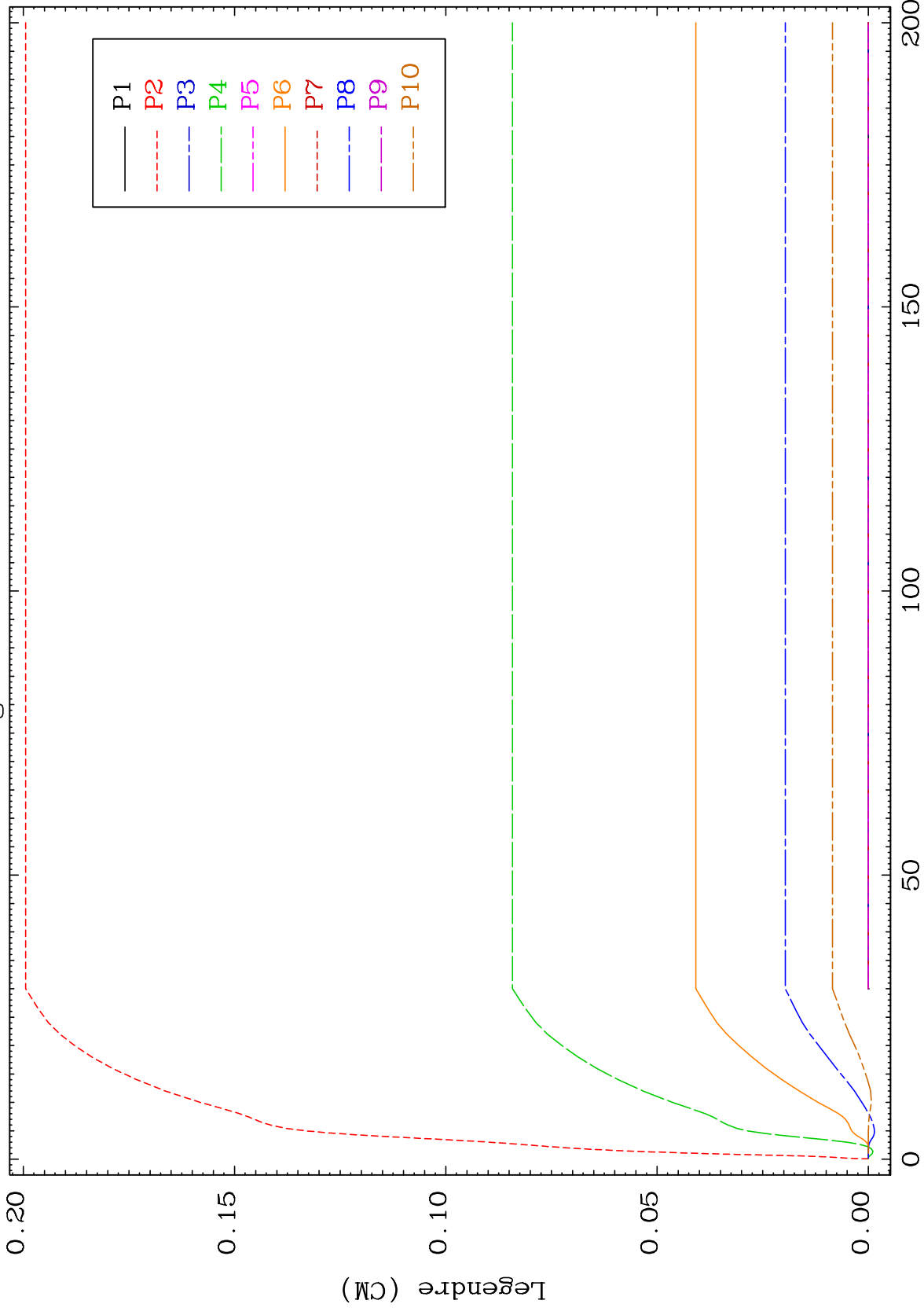
Incident Energy (MeV)

22

MAT 5310

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

53-I -122



23

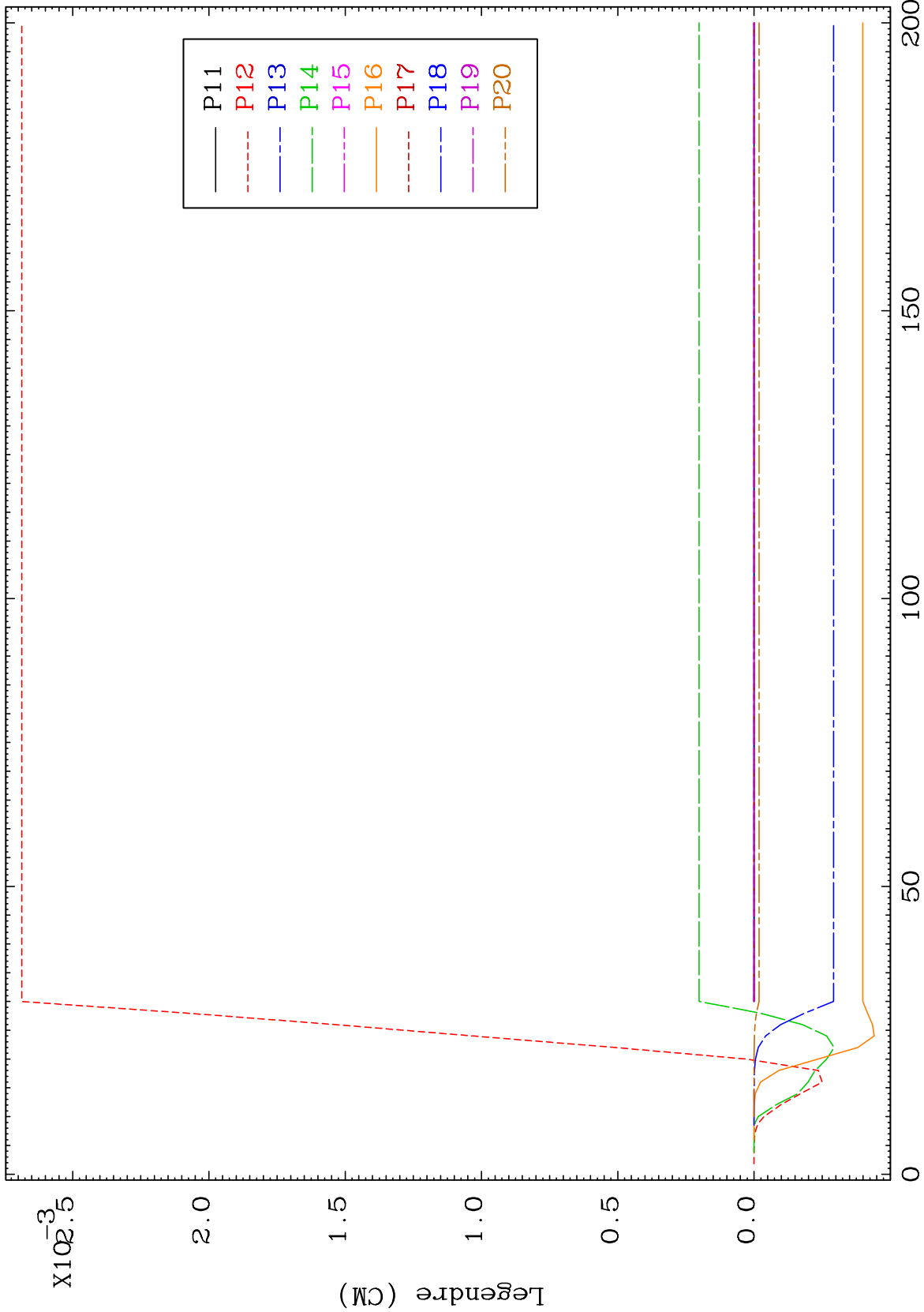
Incident Energy (MeV)

53-I -122

MAT 5310

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

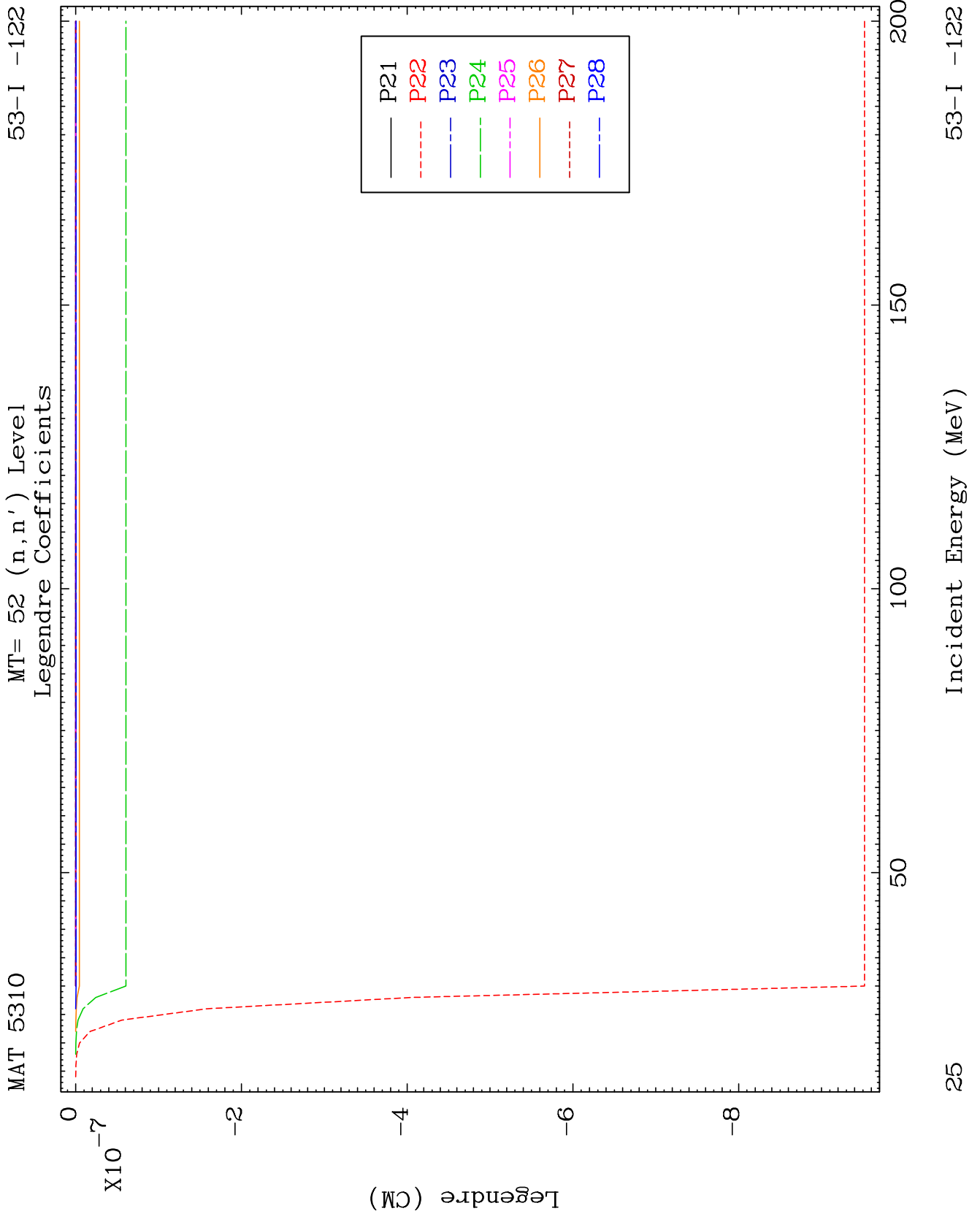
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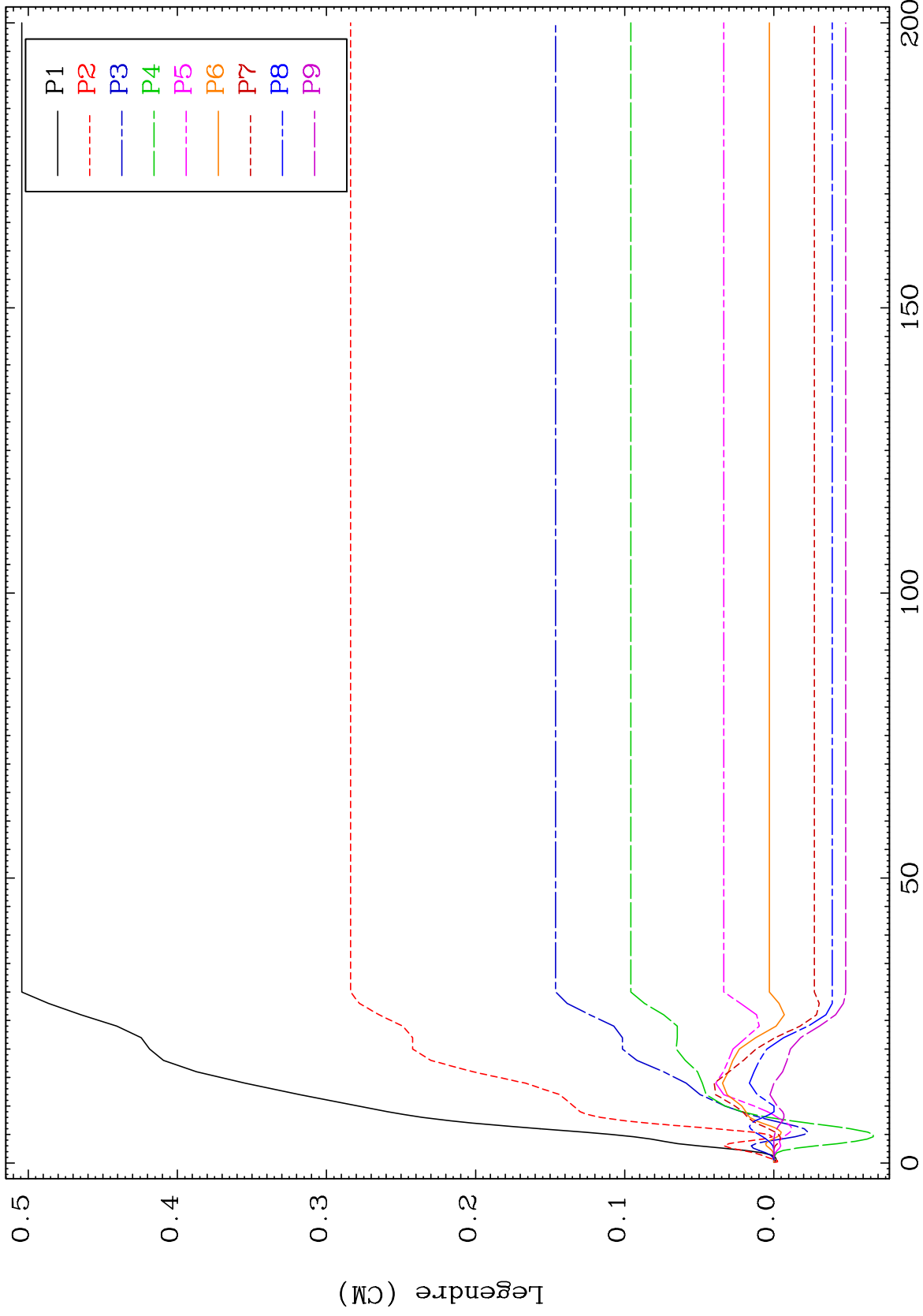


24

Incident Energy (MeV)

53-I -122

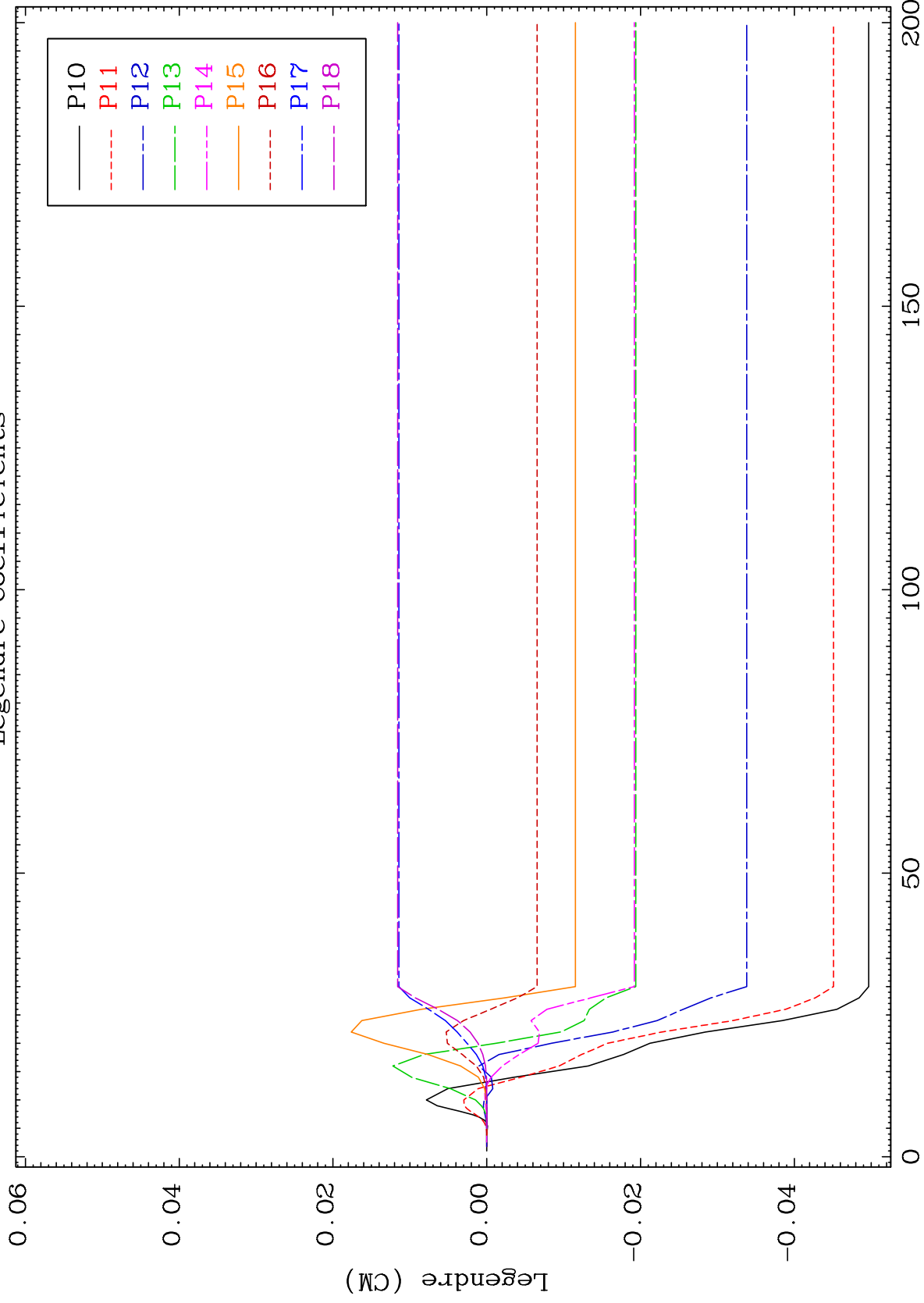




MAT 5310

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

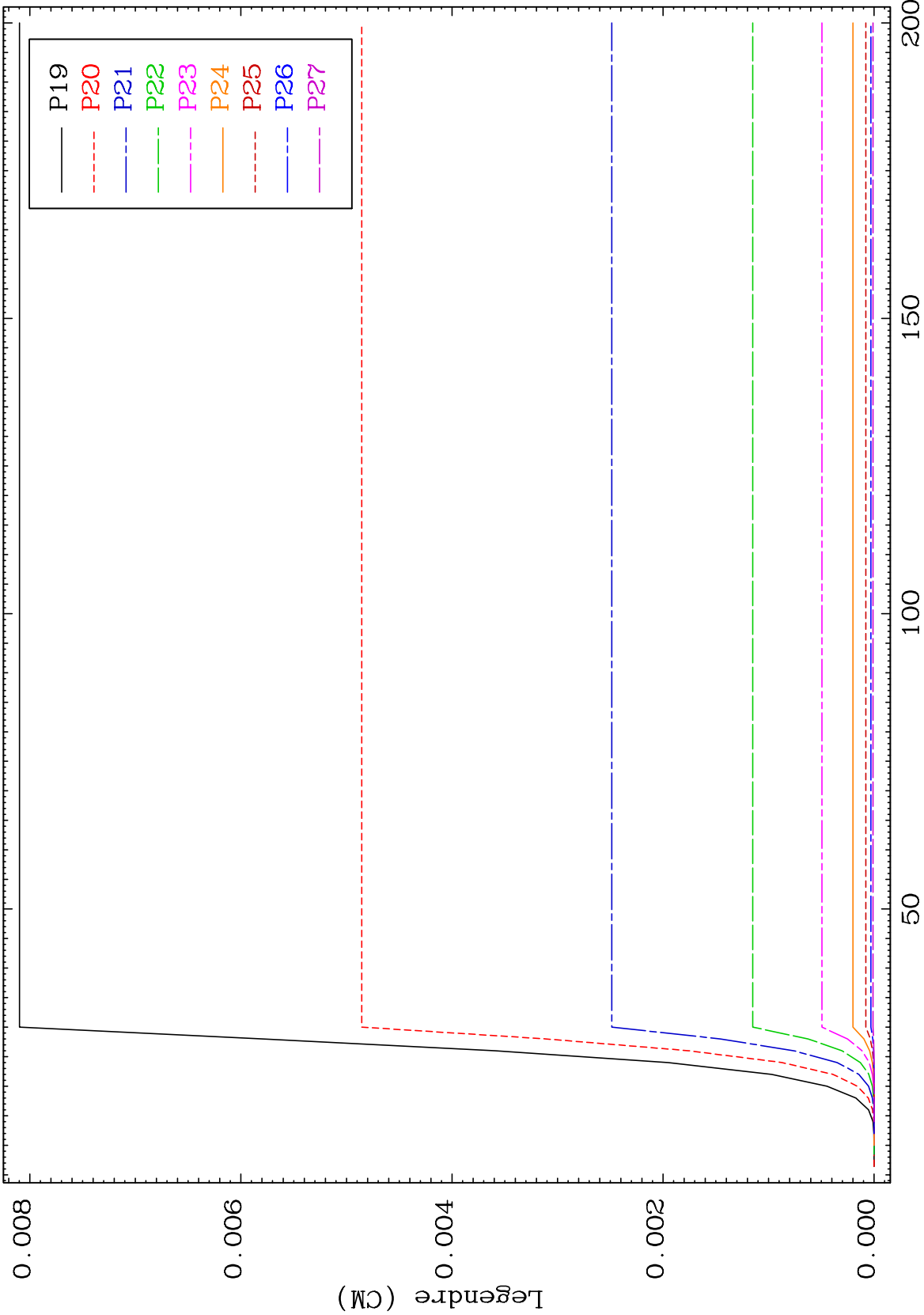
53-I -122



27

Incident Energy (MeV)

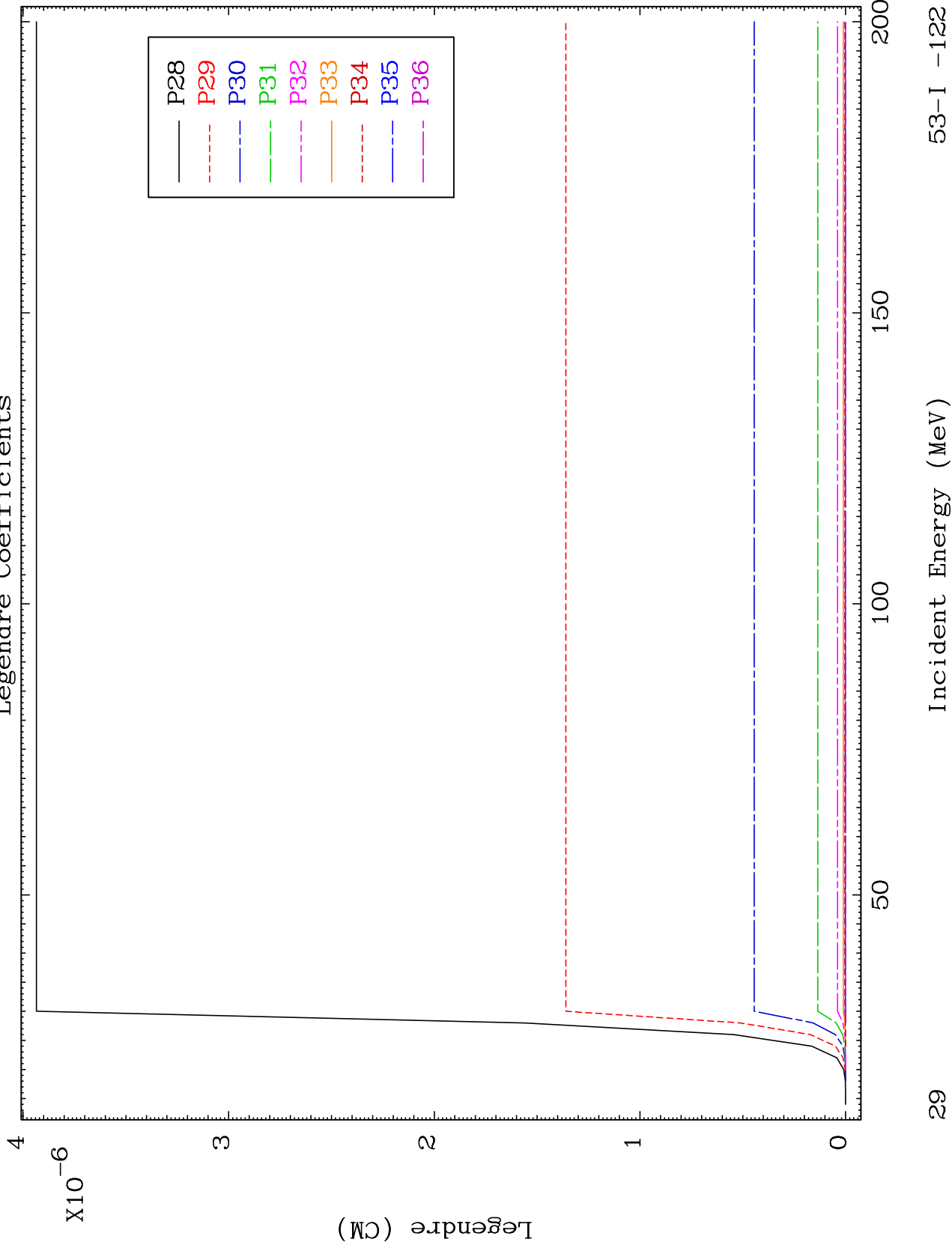
53-I -122



MAT 5310

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

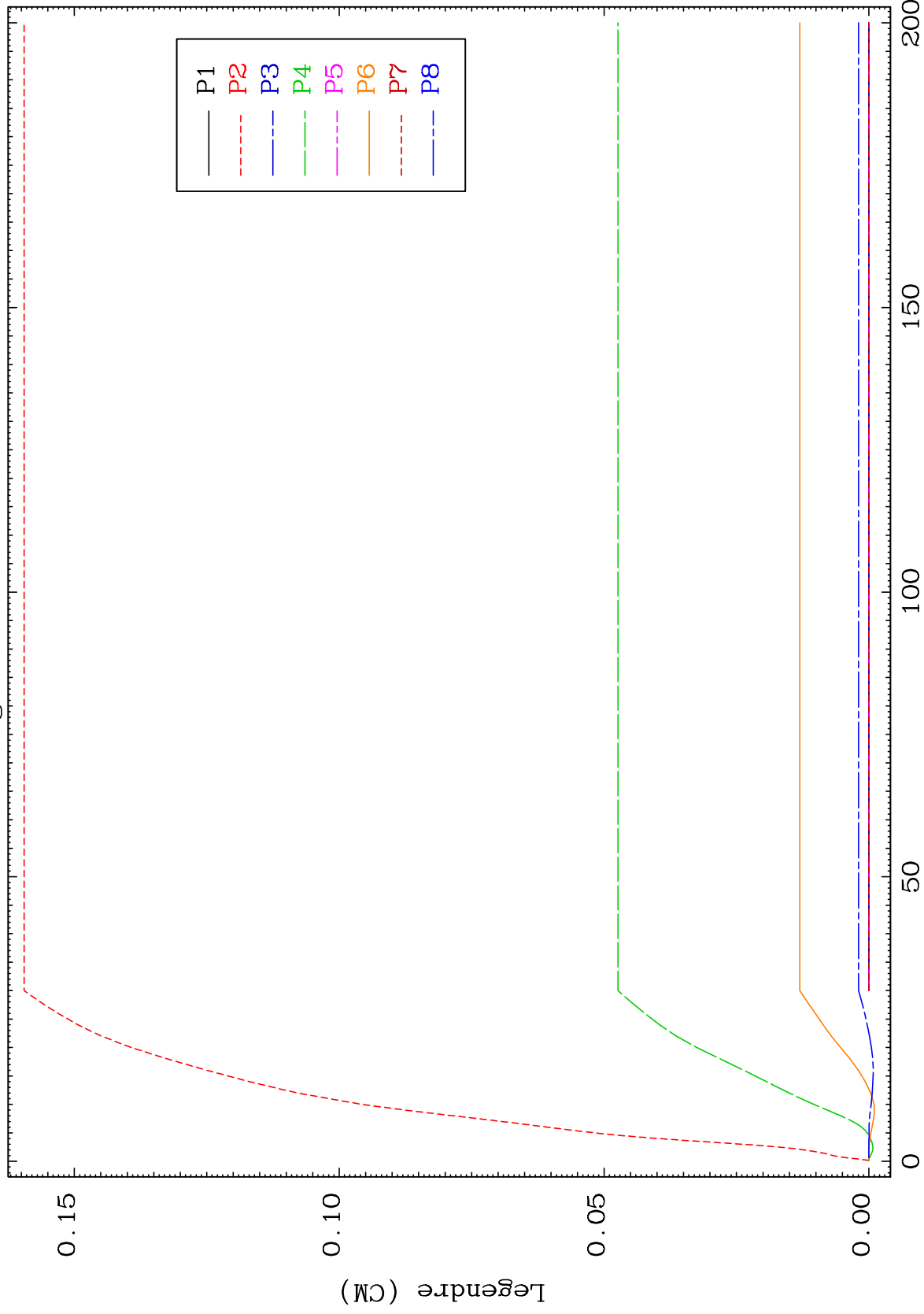
53-I -122



MAT 5310

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

53-I -122



Incident Energy (MeV)

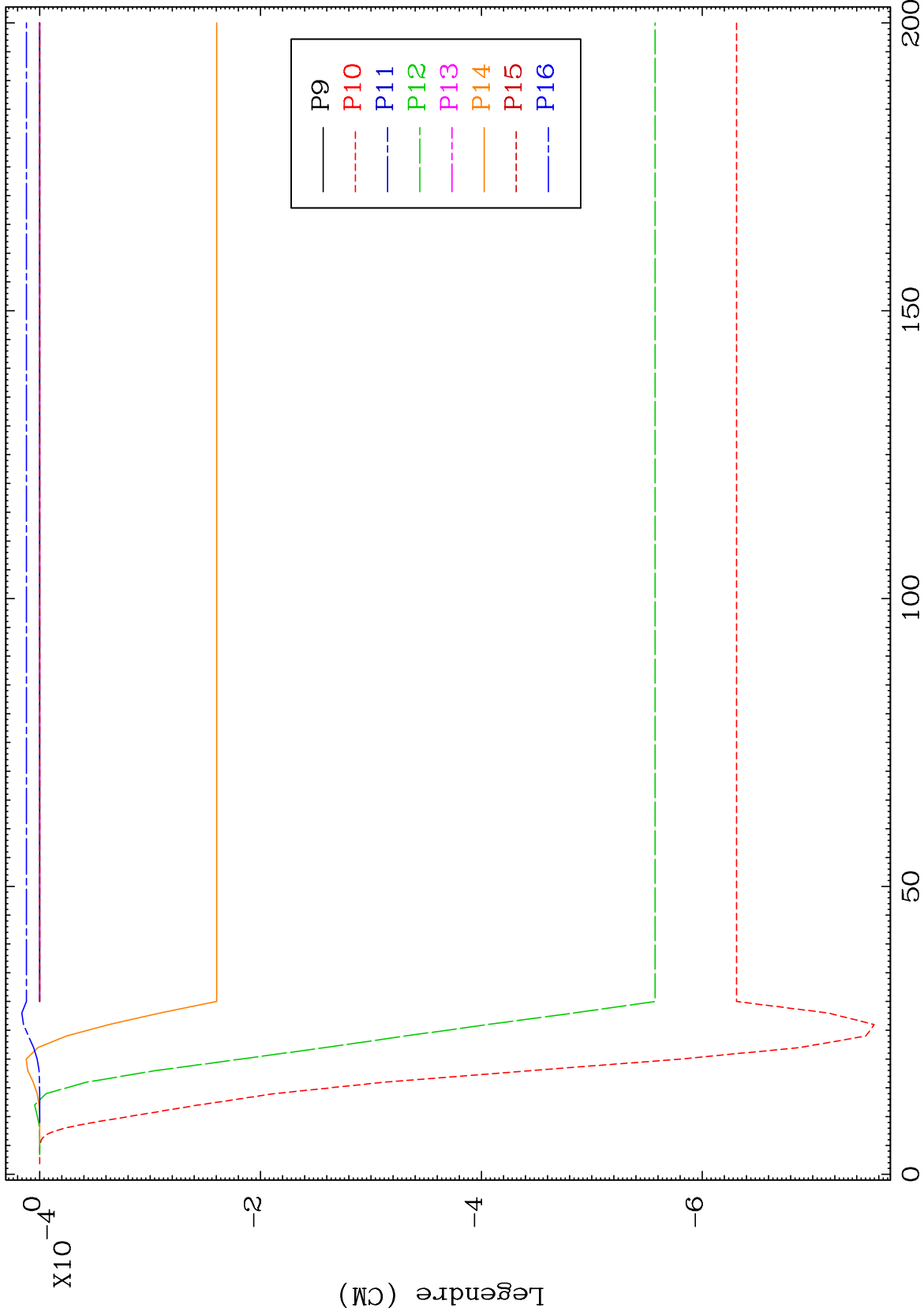
53-I -122

MAT 5310

MT= 54 (n,n') Level

53-I -122

Legendre Coefficients



31

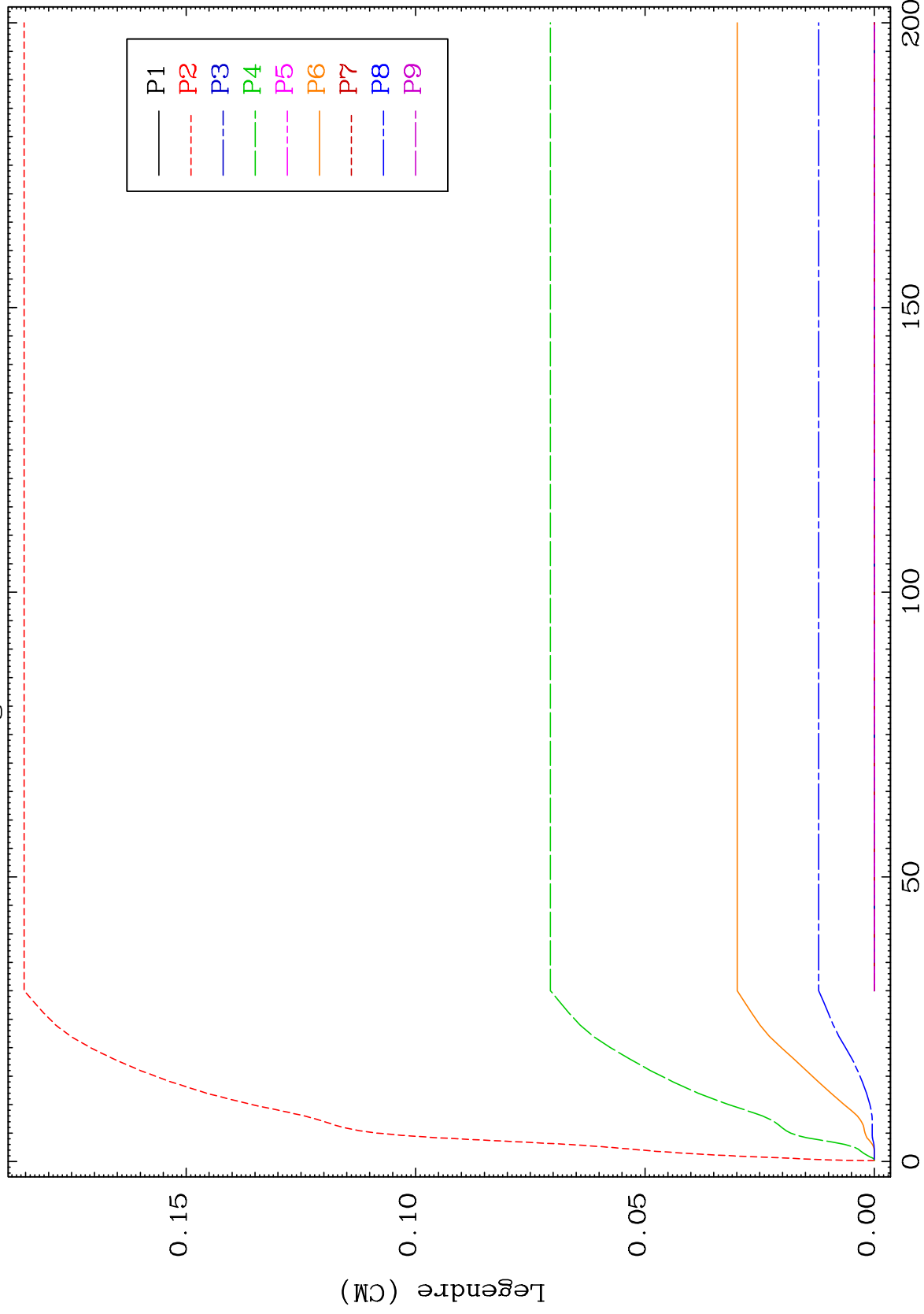
Incident Energy (MeV)

53-I -122

MAT 5310

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

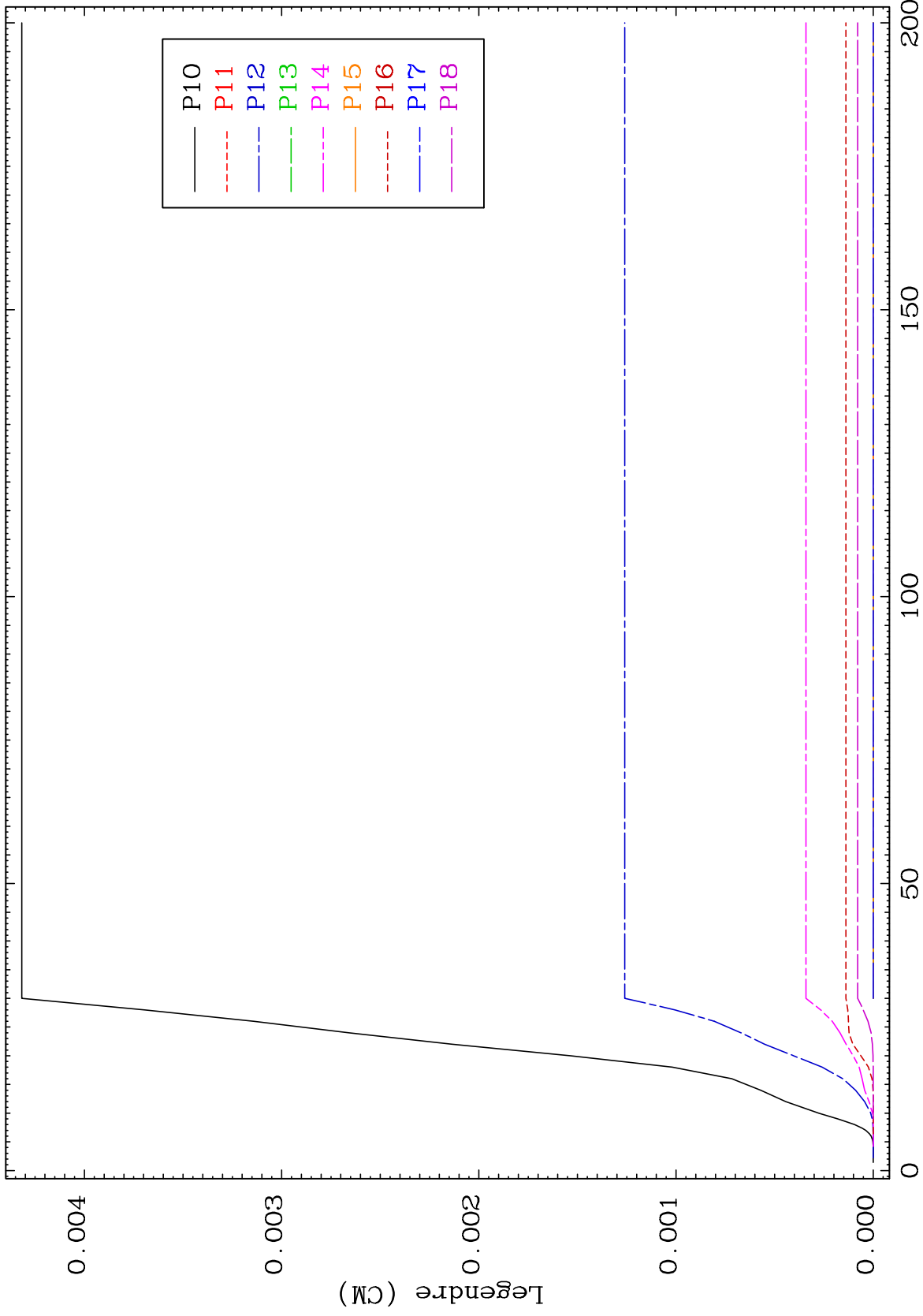
53-I -122

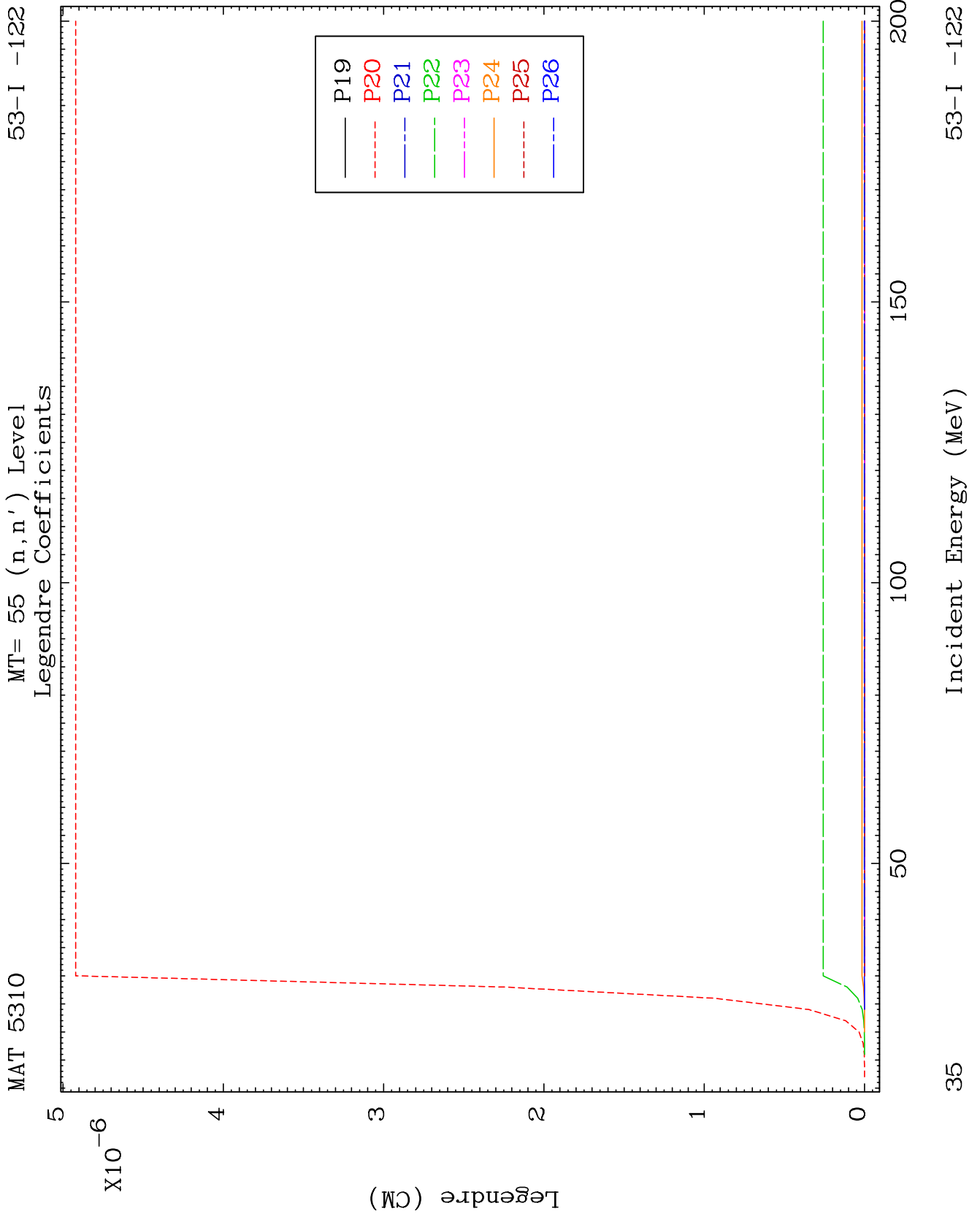


33

Incident Energy (MeV)

53-I -122

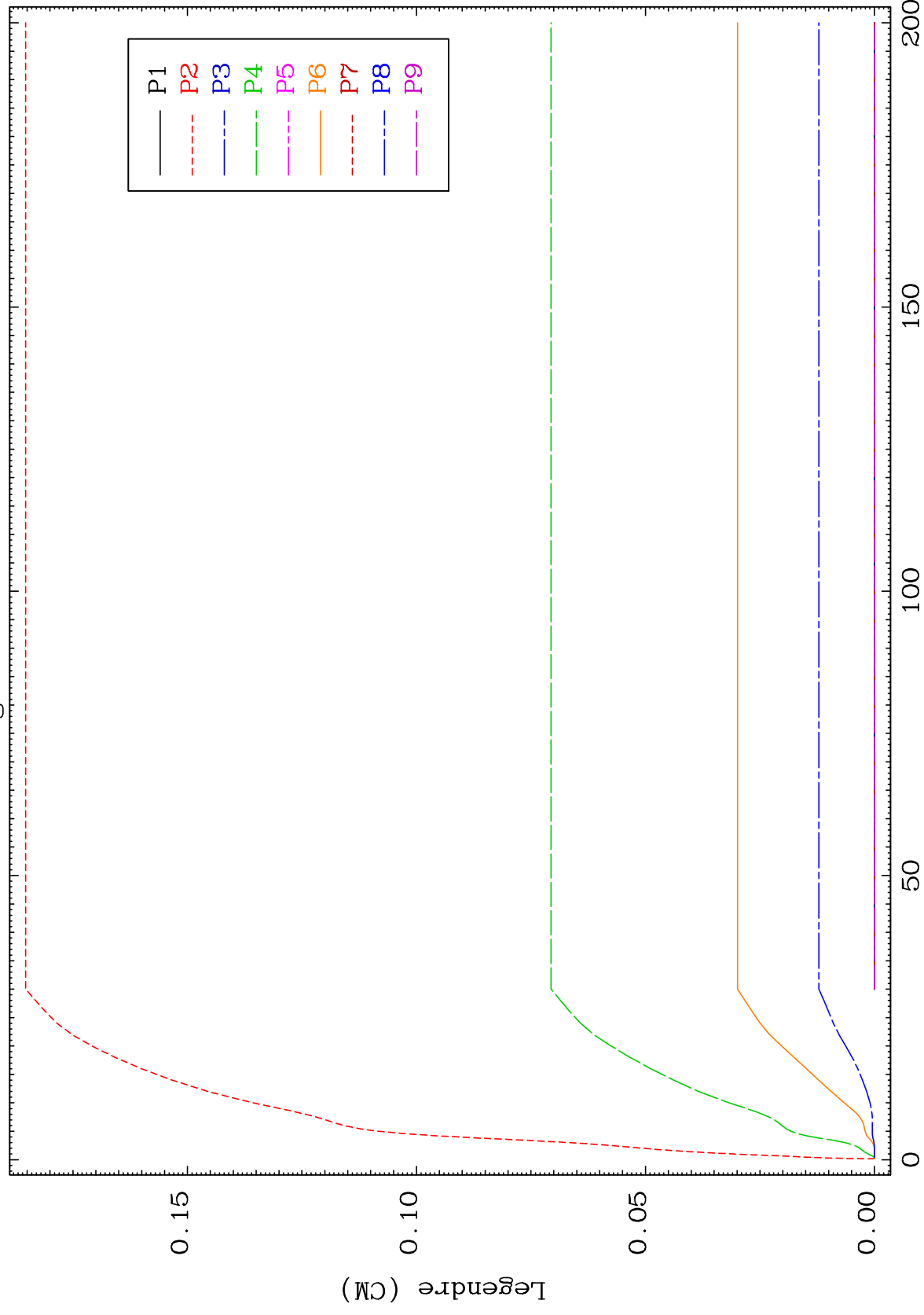




MAT 5310

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

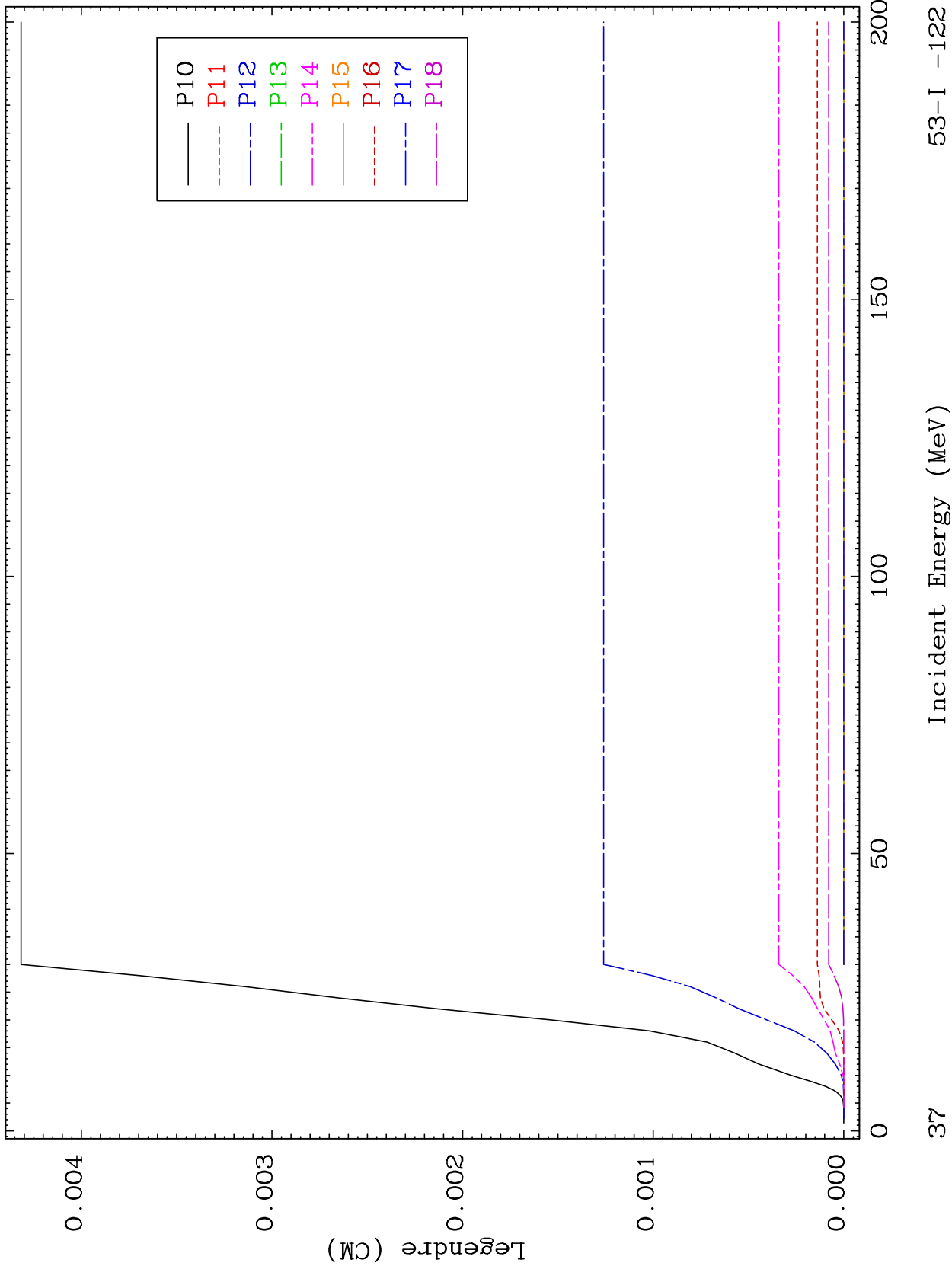
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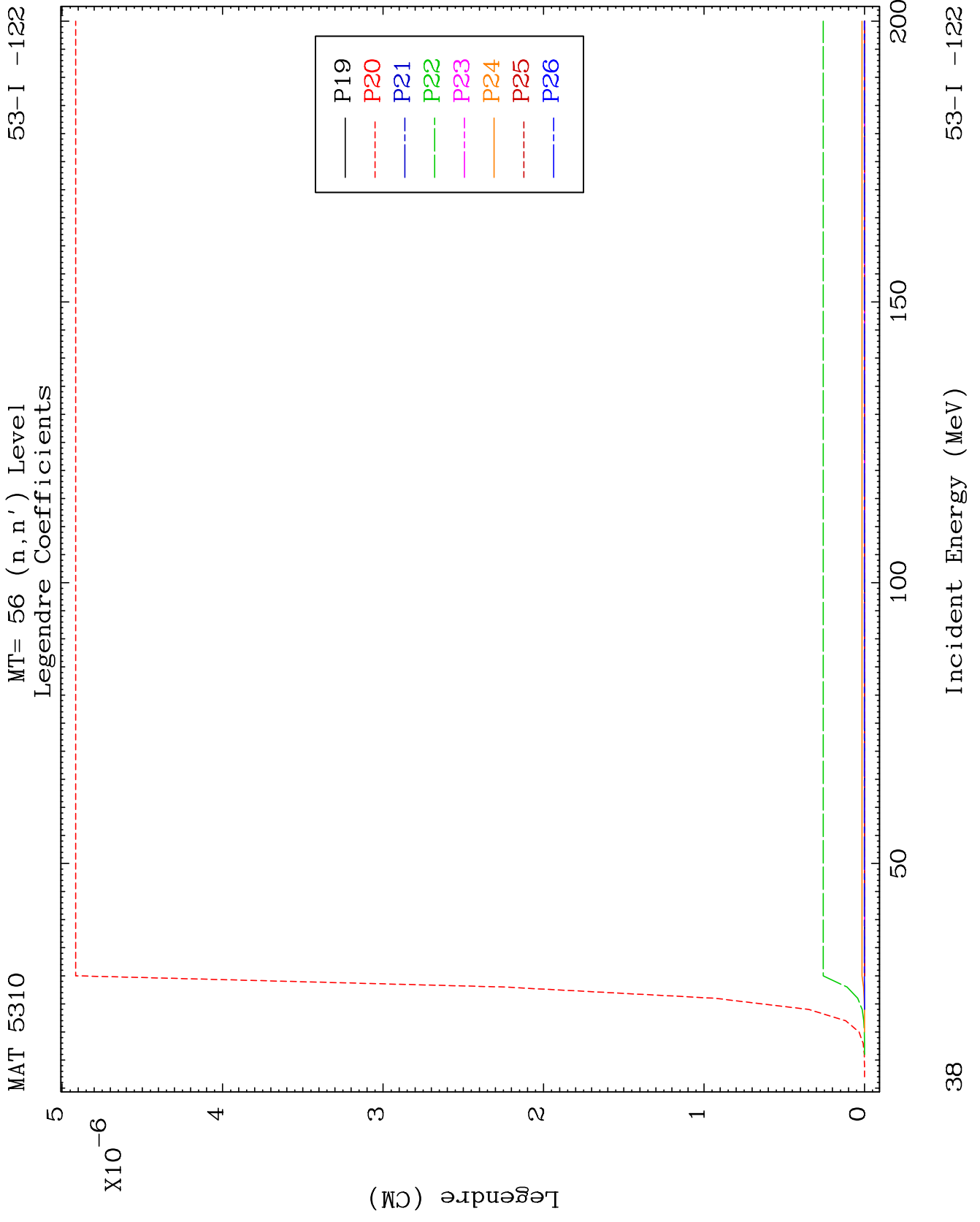


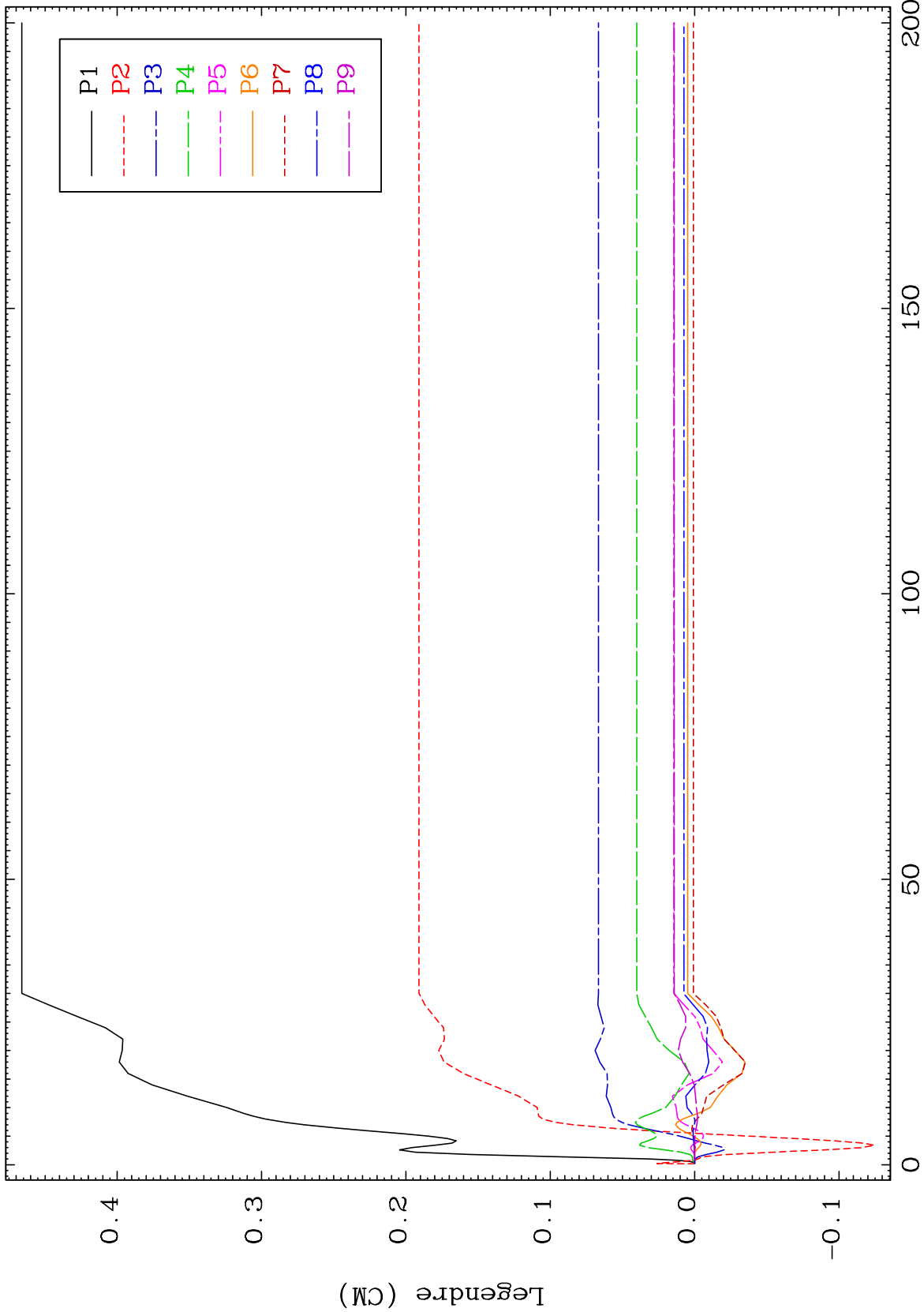
36

Incident Energy (MeV)

53-I -122



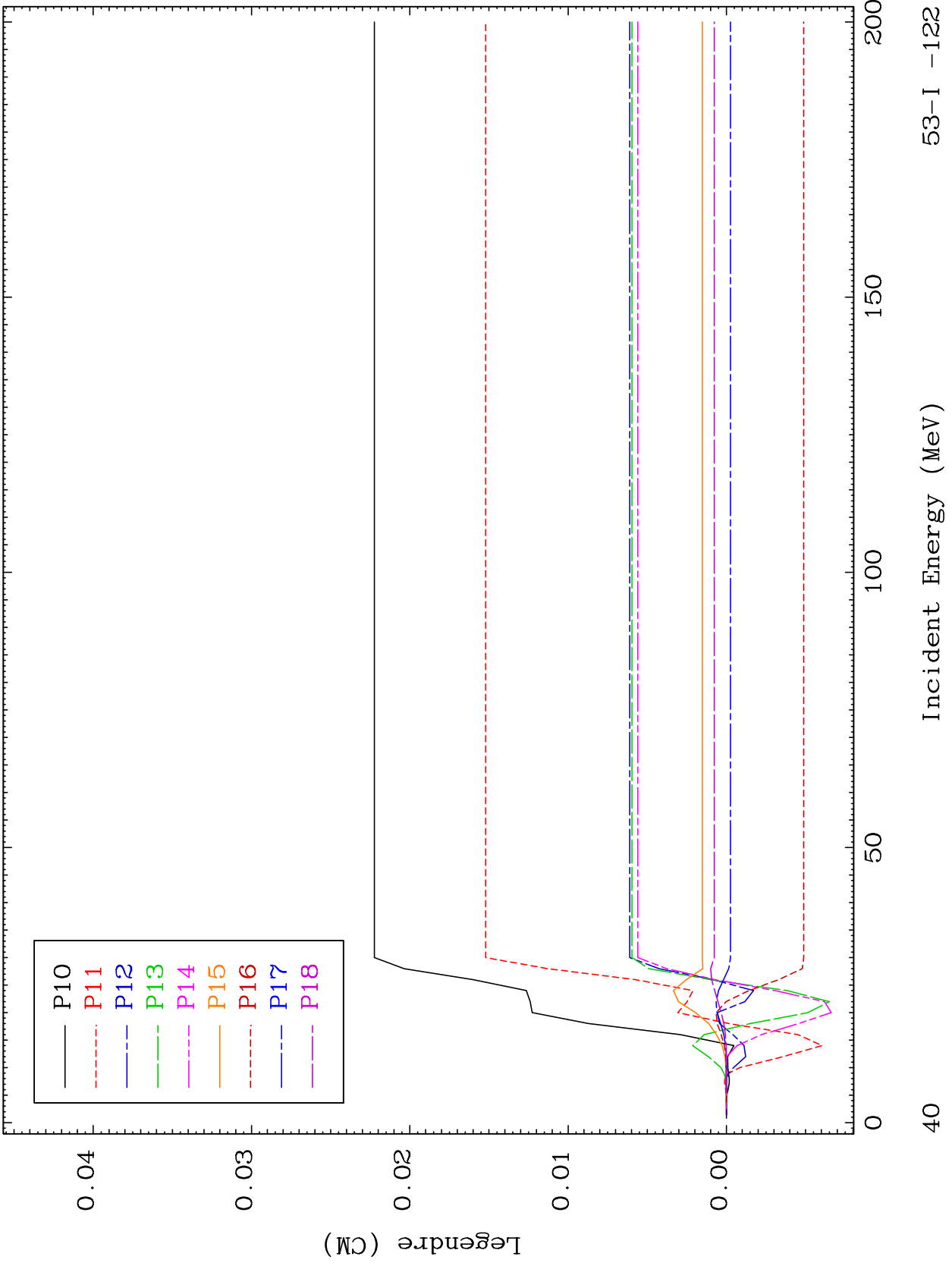




MAT 5310

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

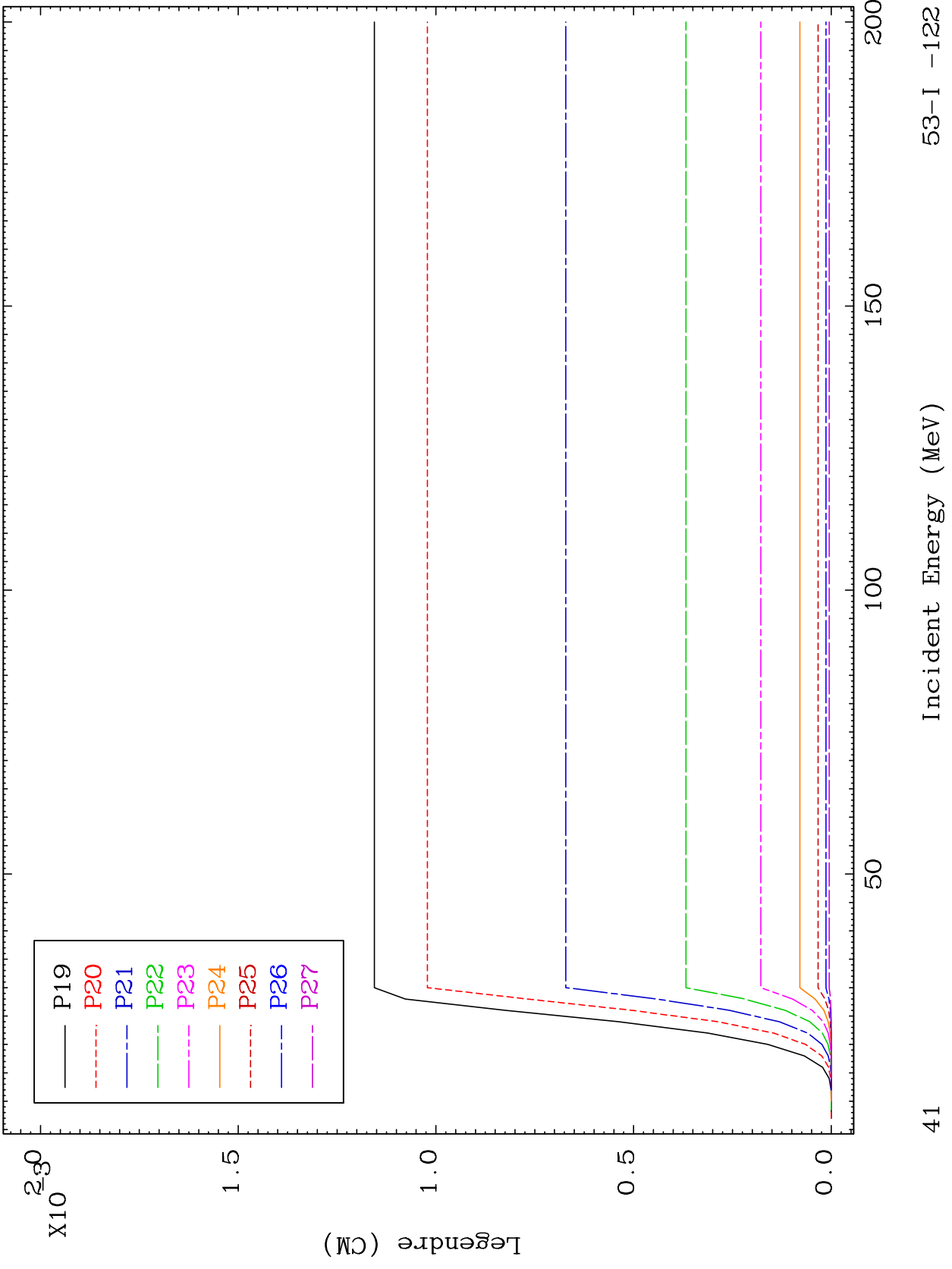
53-I -122

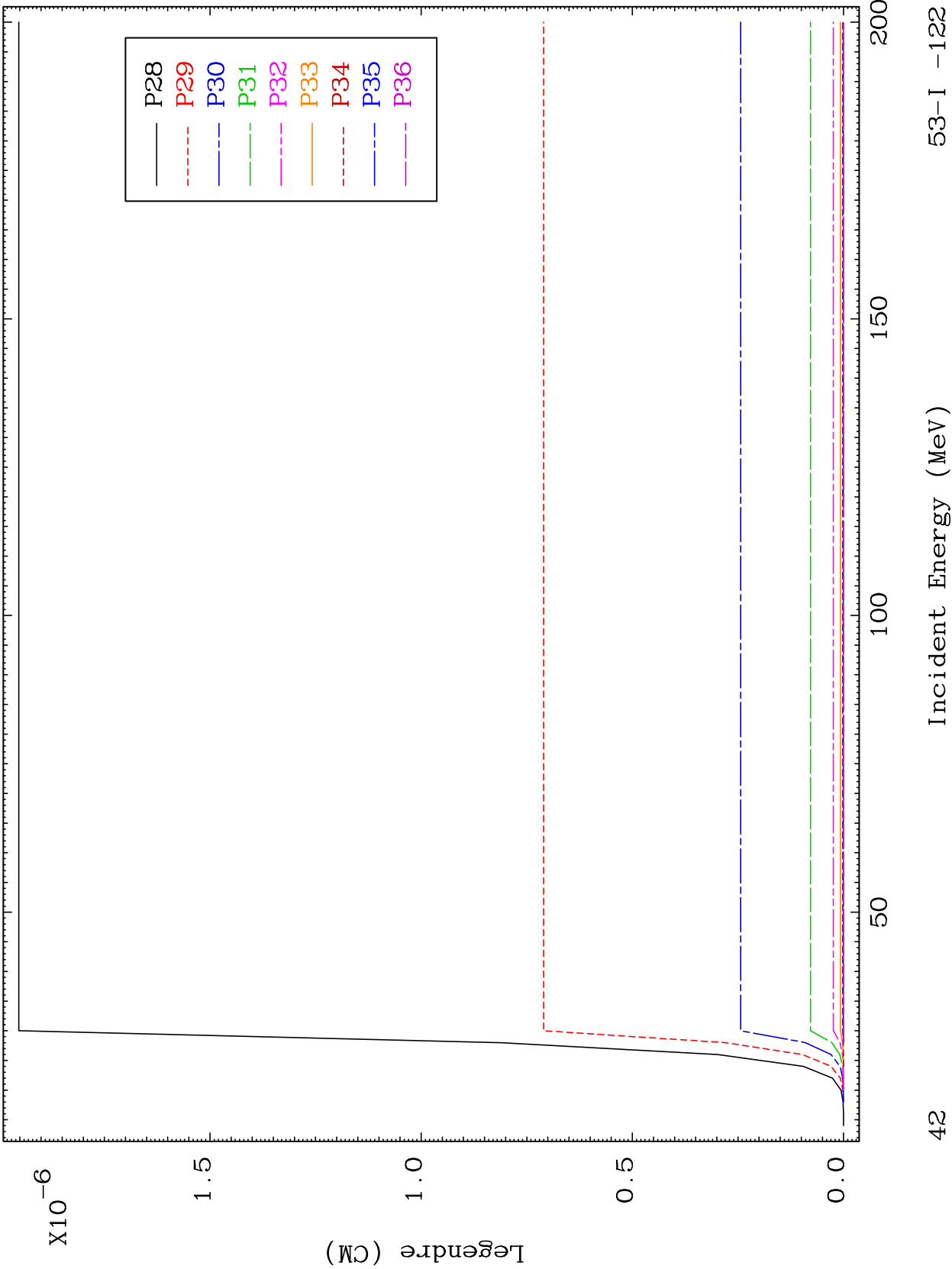


53-I -122

Incident Energy (MeV)

40

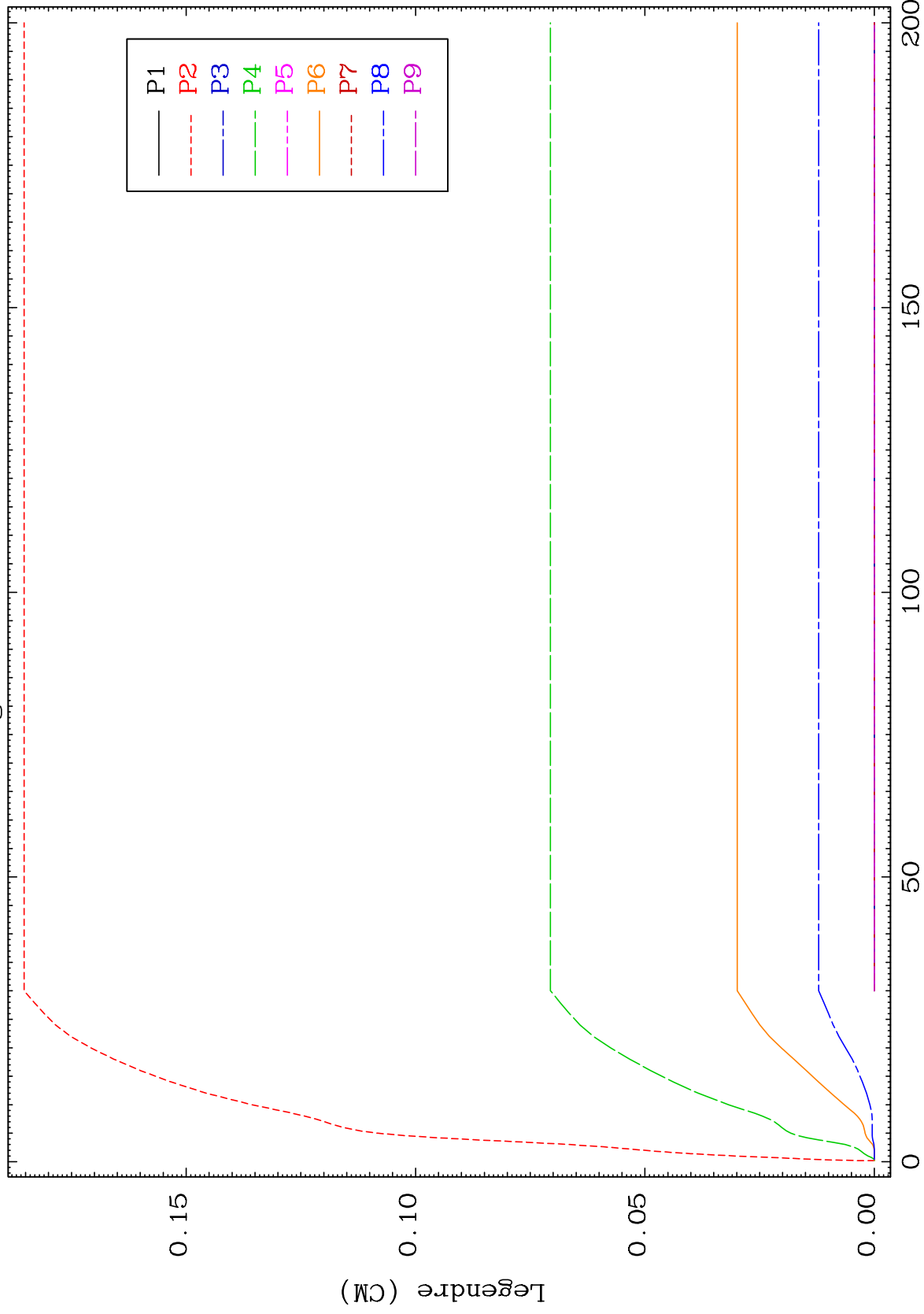




MAT 5310

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

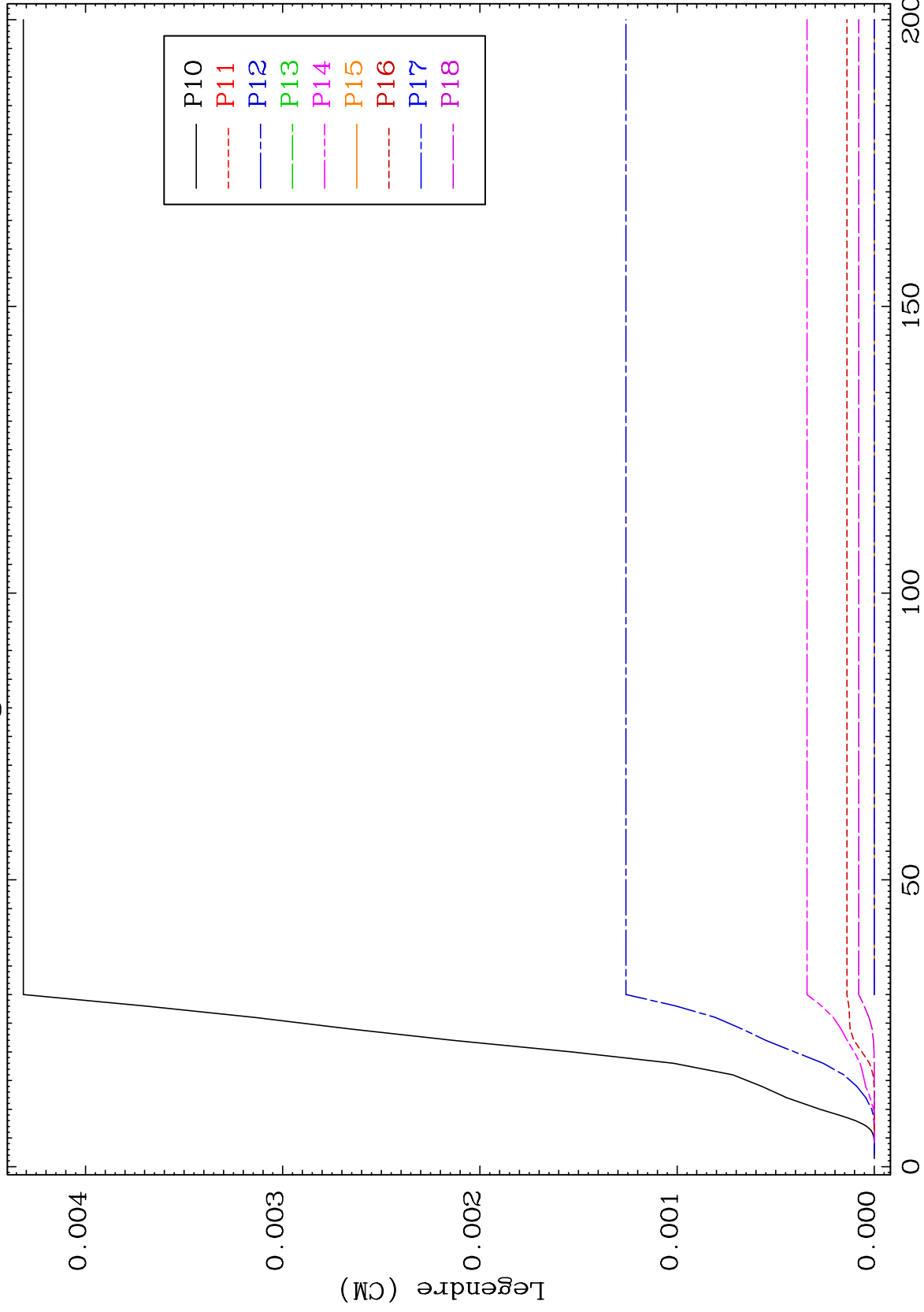
53-I -122



43

Incident Energy (MeV)

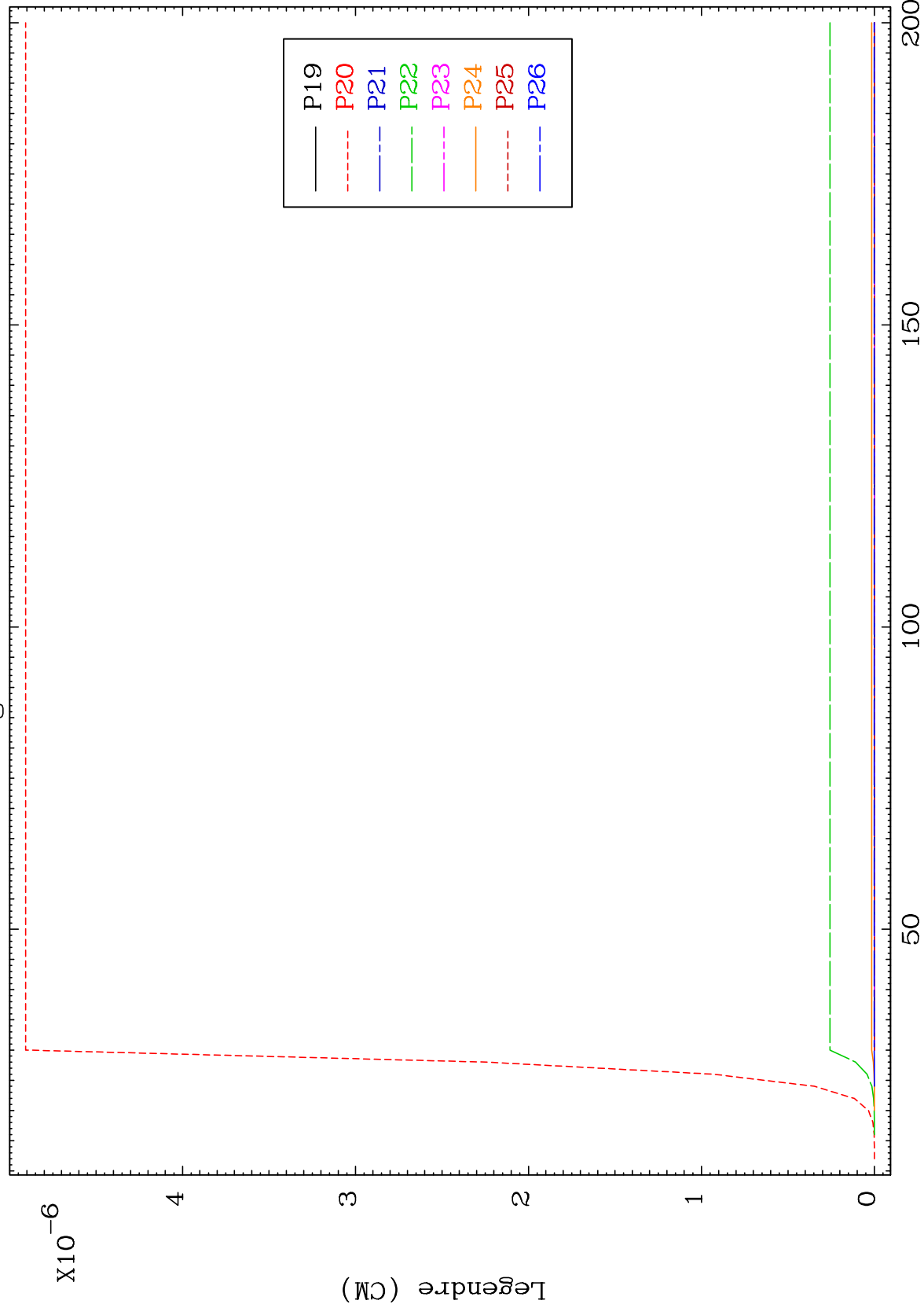
53-I -122



MAT 5310

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

53-I -122



45

Incident Energy (MeV)

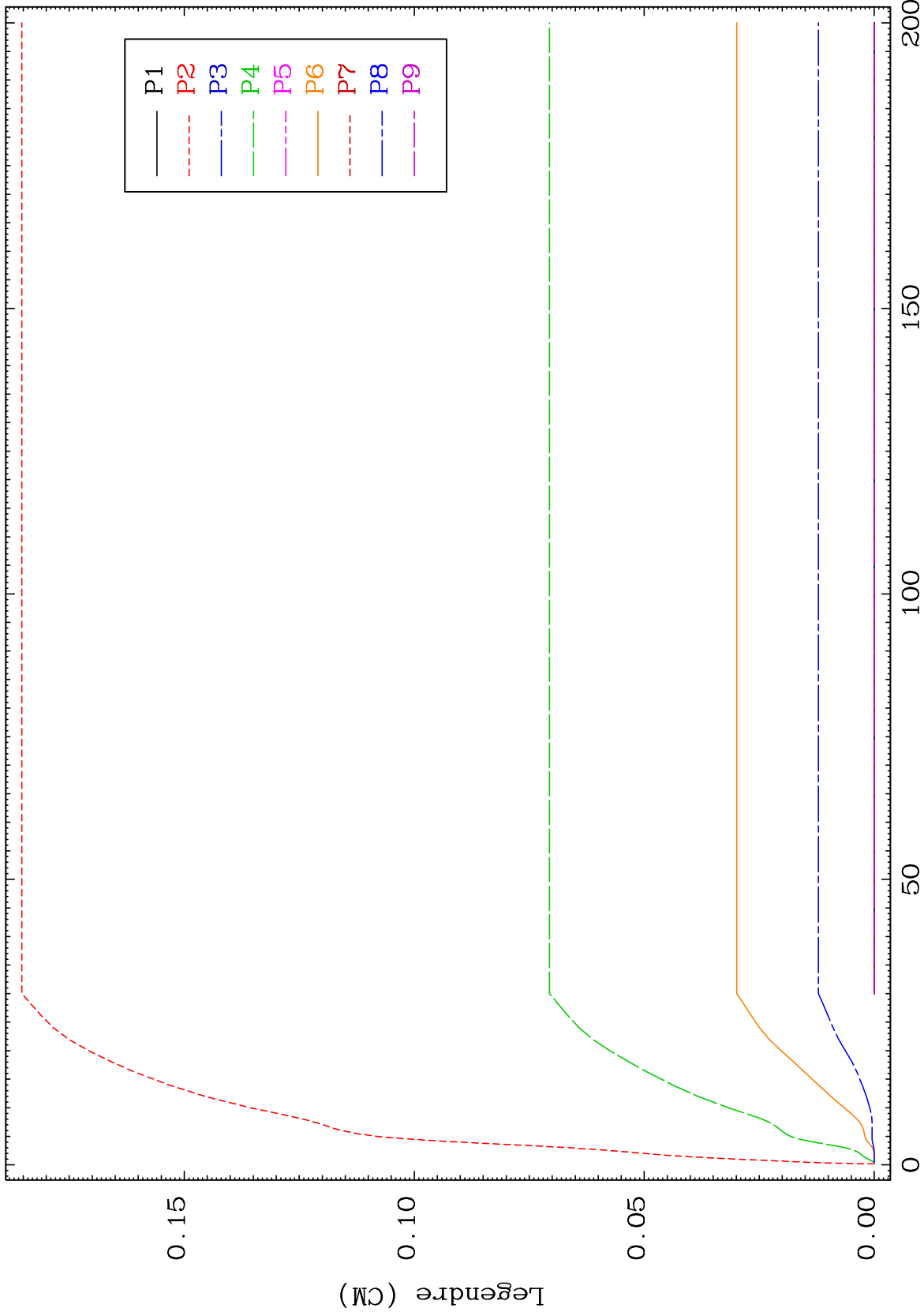
53-I -122

MAT 5310

MT= 59 (n,n') Level

53-I -122

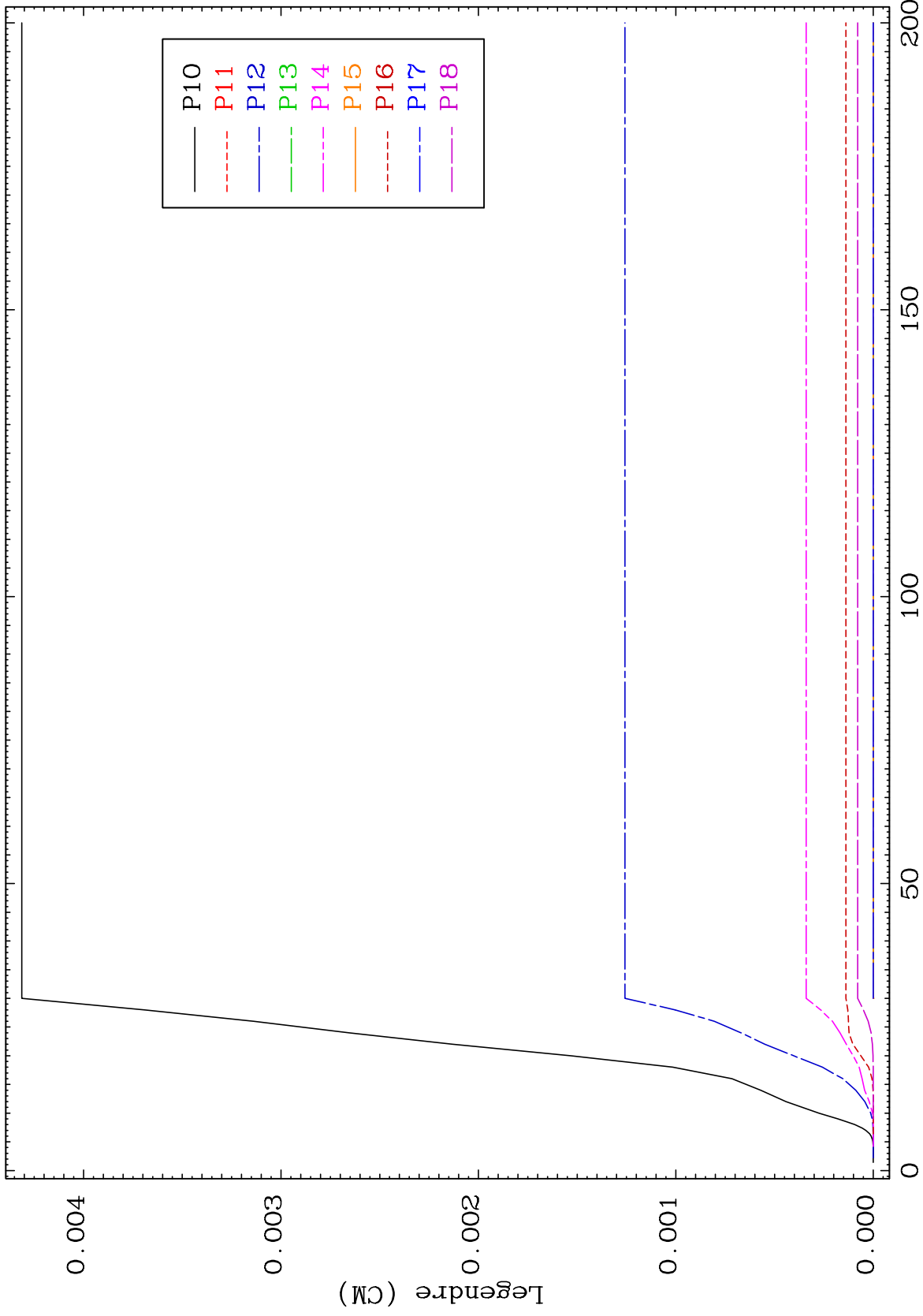
Legendre Coefficients



46

Incident Energy (MeV)

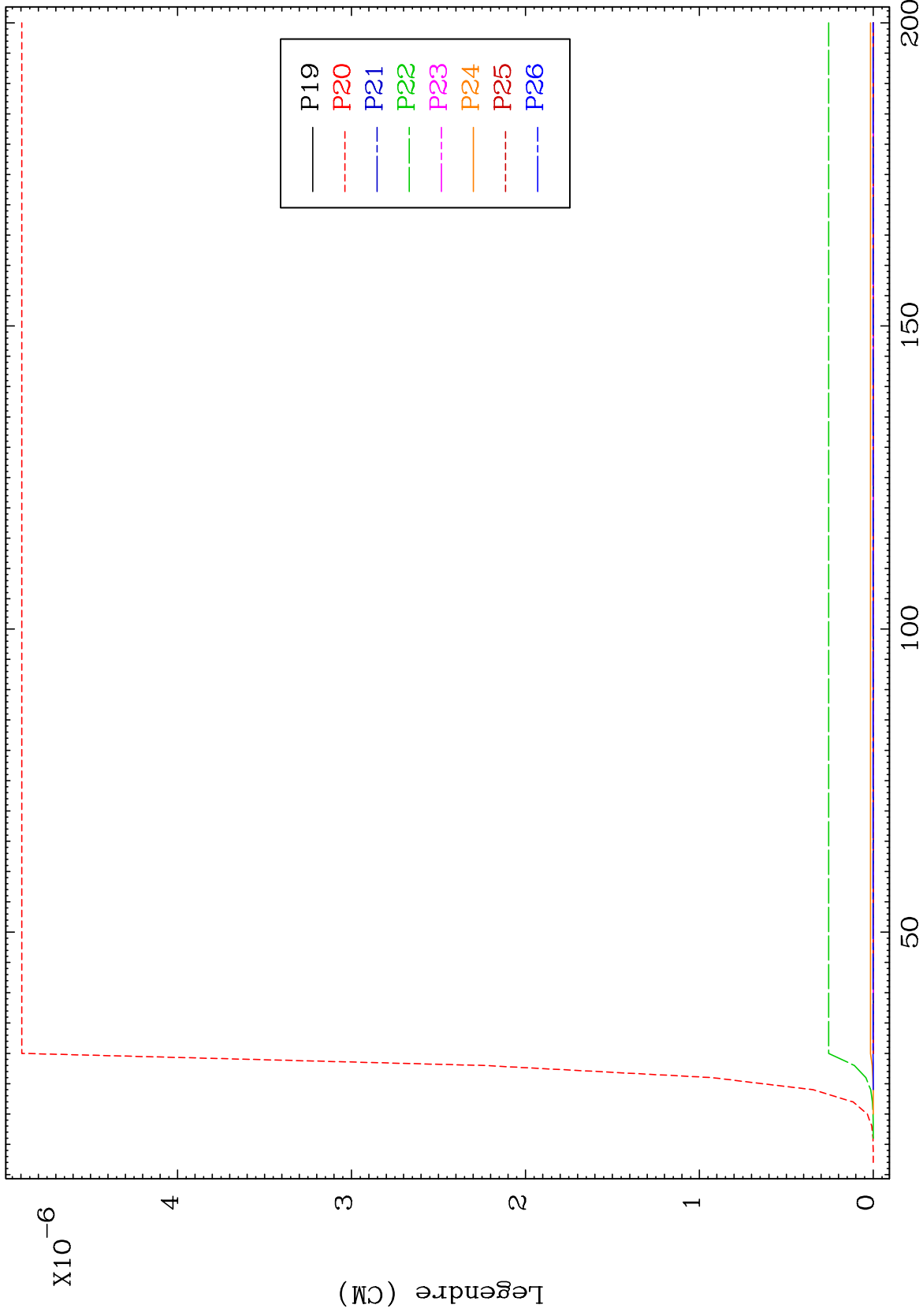
53-I -122



MAT 5310

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

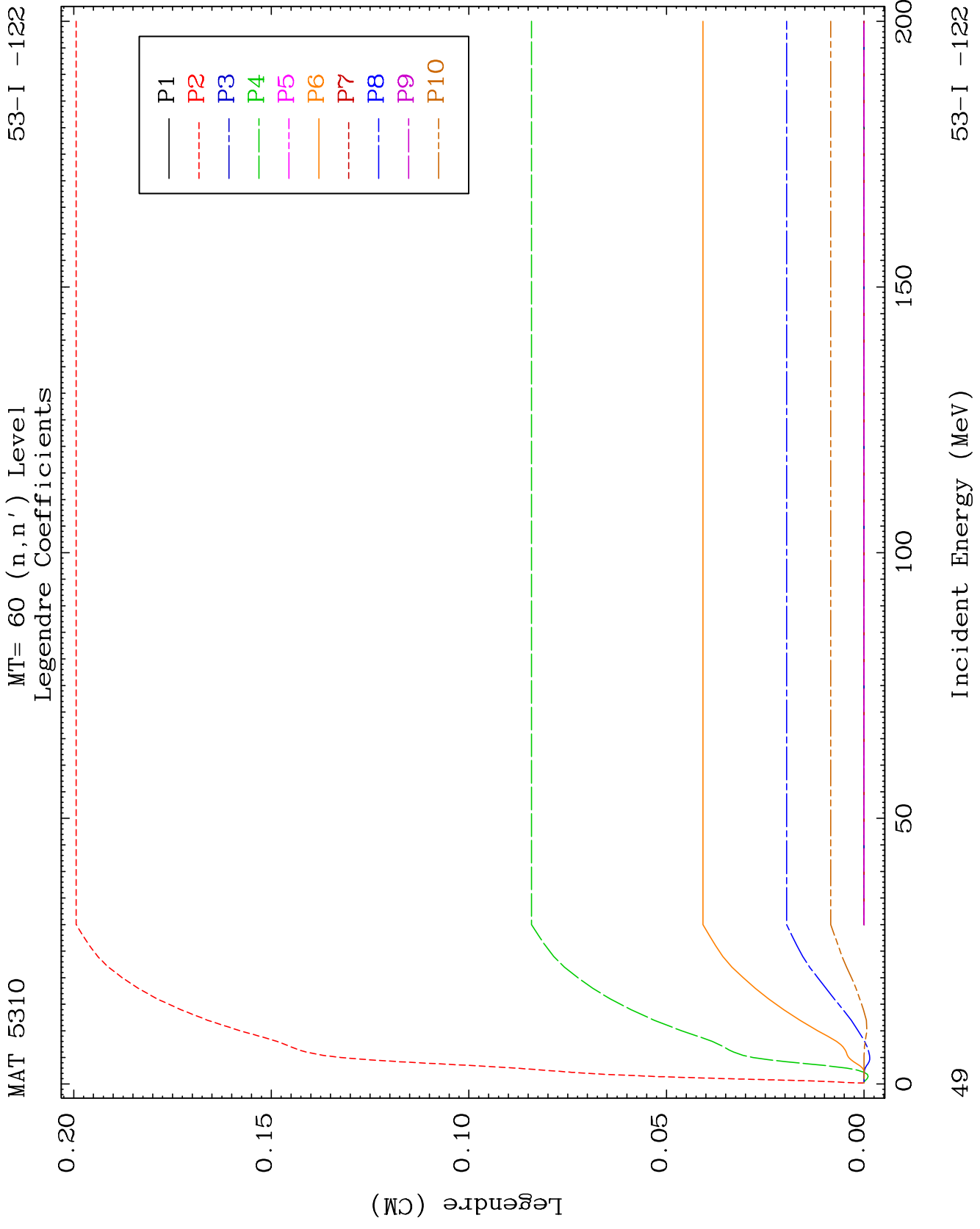
53-I -122



48

Incident Energy (MeV)

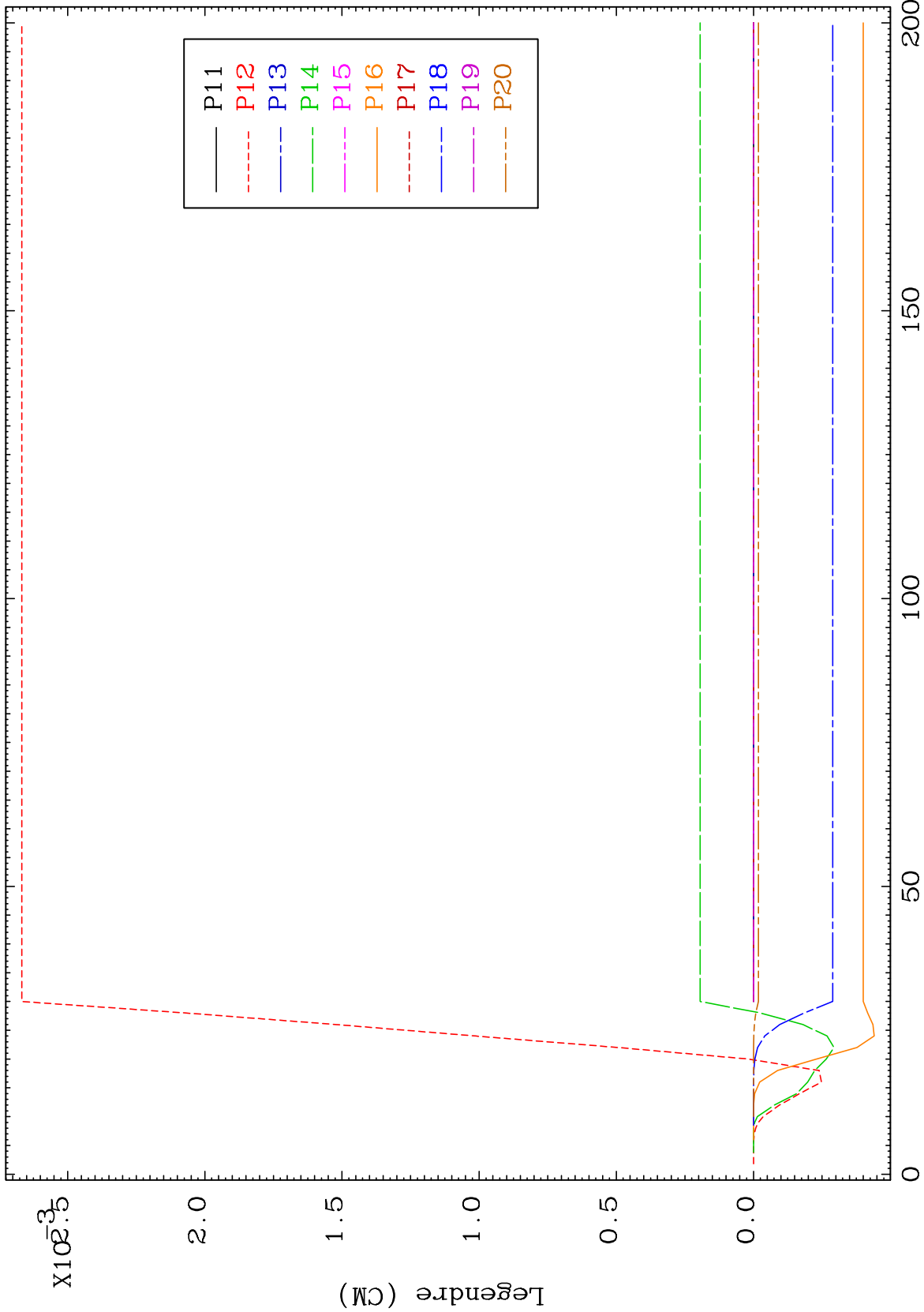
53-I -122



MAT 5310

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

53-I -122



53-I -122

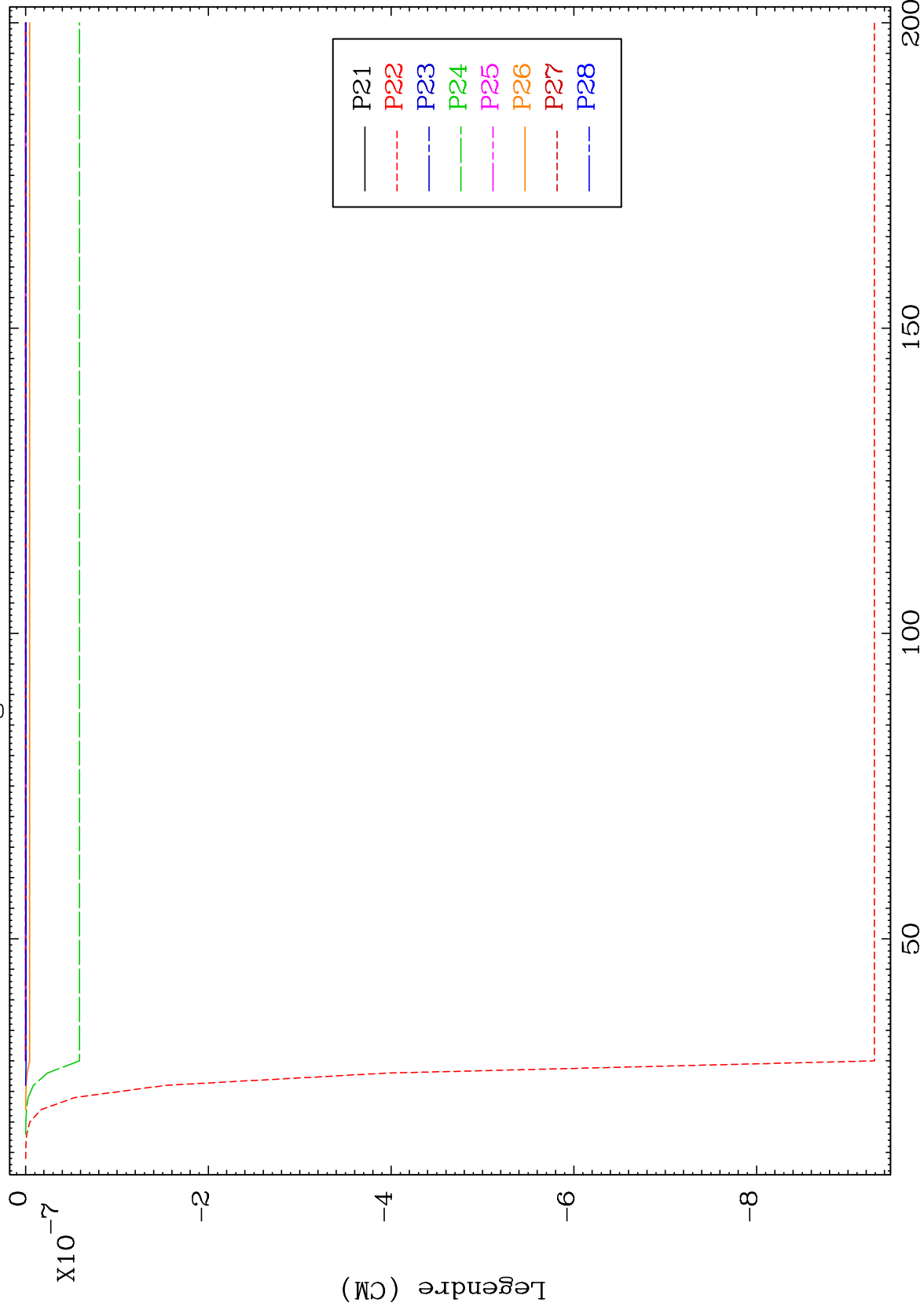
Incident Energy (MeV)

50

MAT 5310

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

53-I -122



51

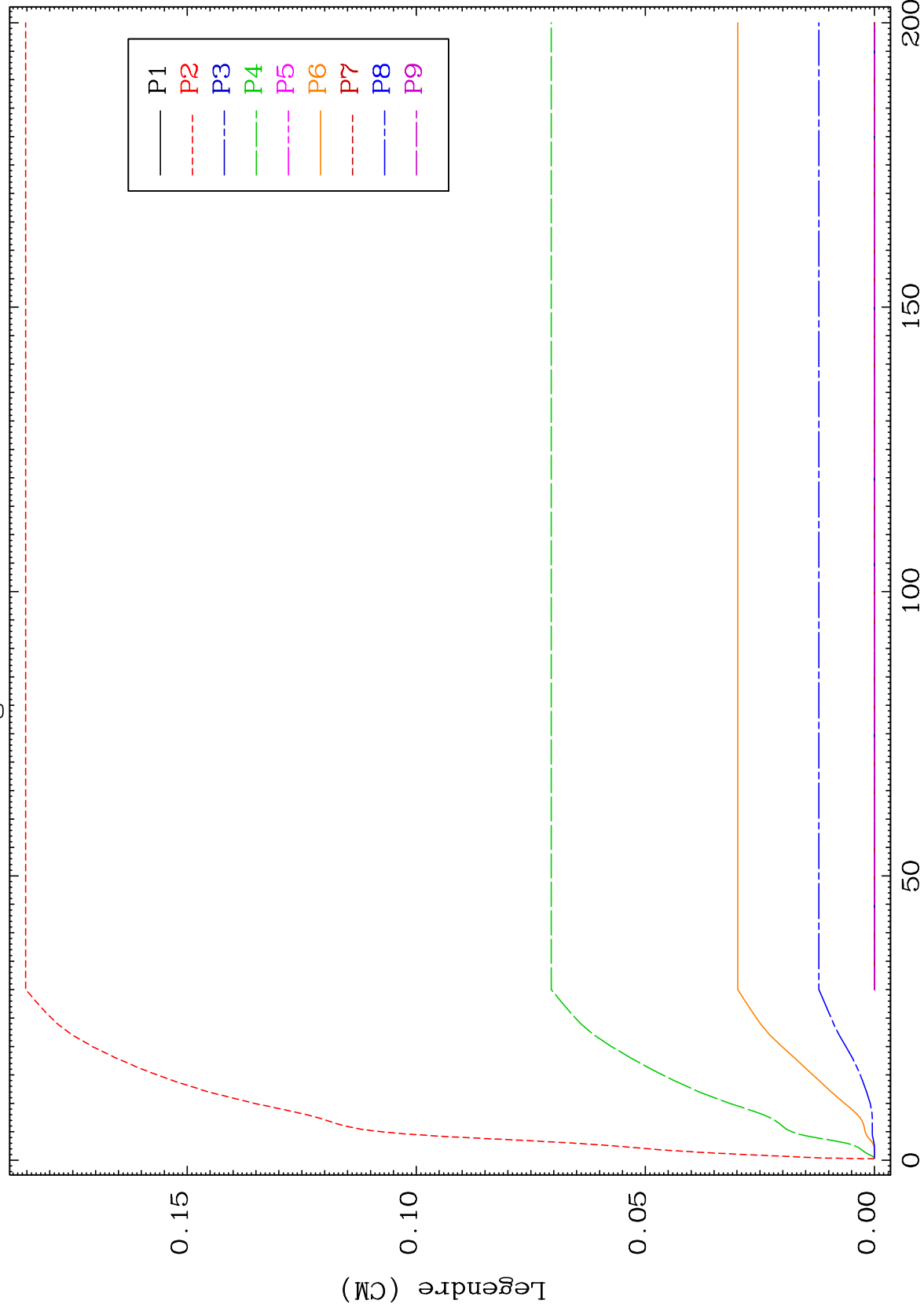
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



52

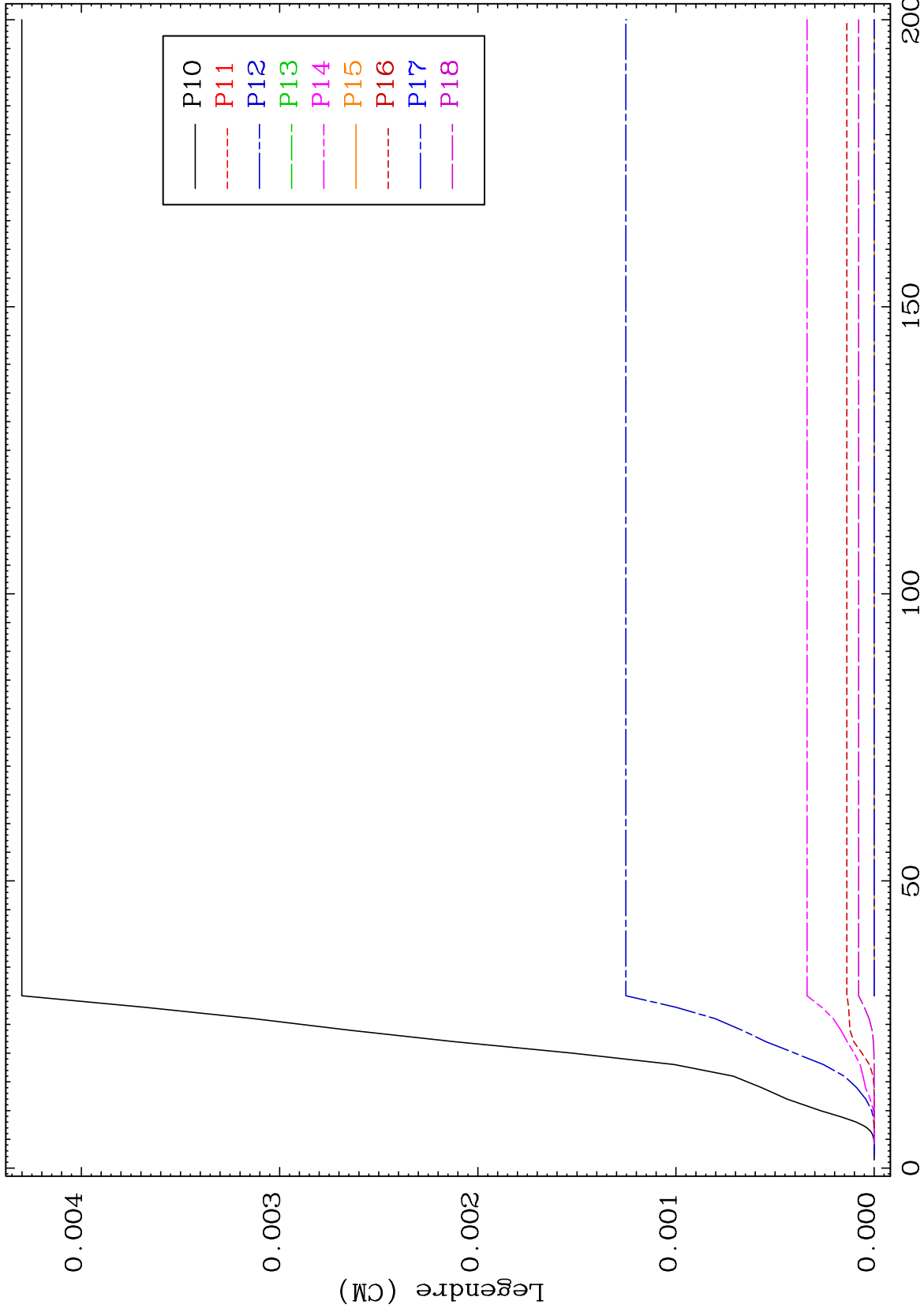
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53

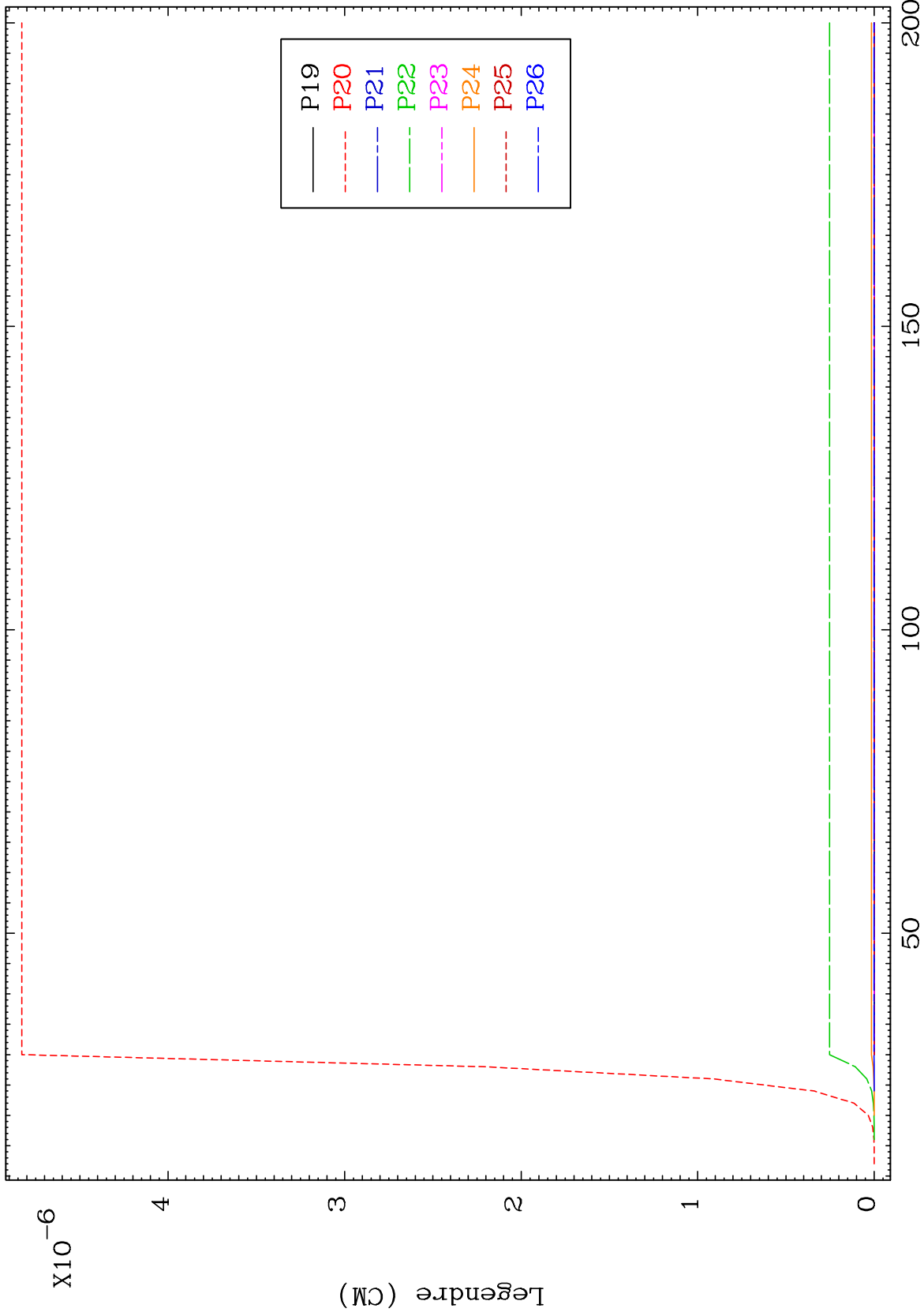
Incident Energy (MeV)

53-I -122

MAT 5310

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

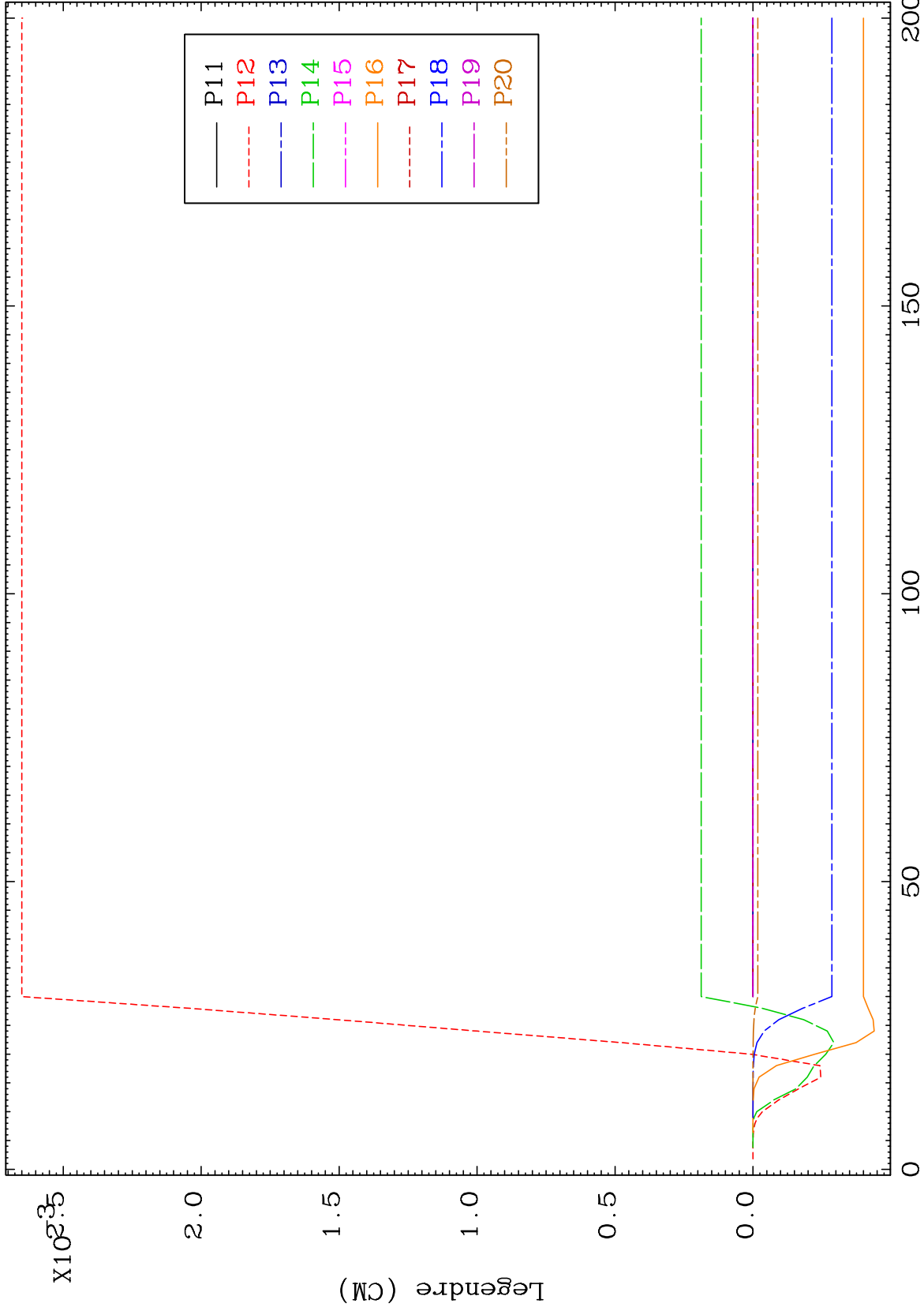
53-I -122



54

Incident Energy (MeV)

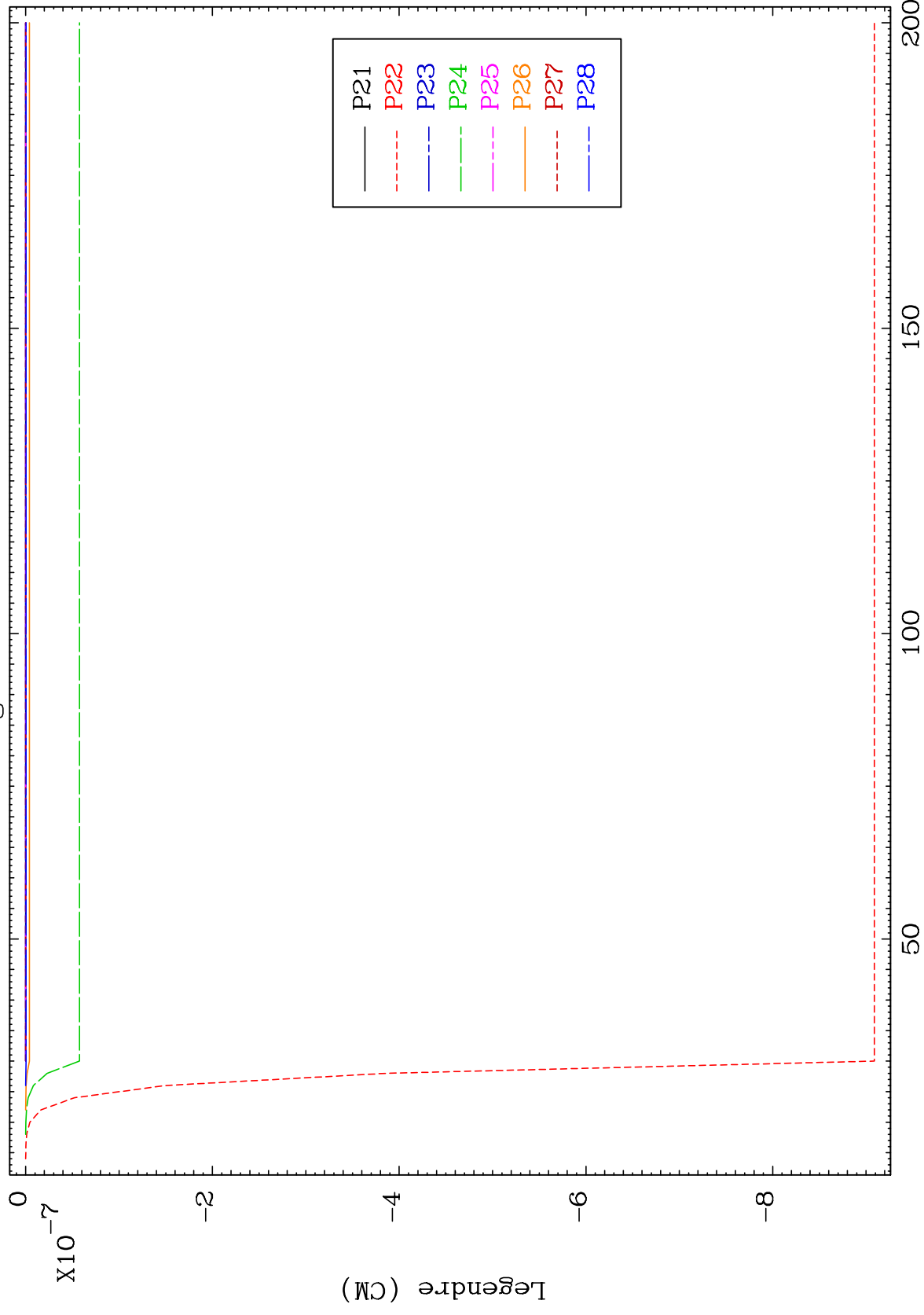
53-I -122



MAT 5310

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

53-I -122



57

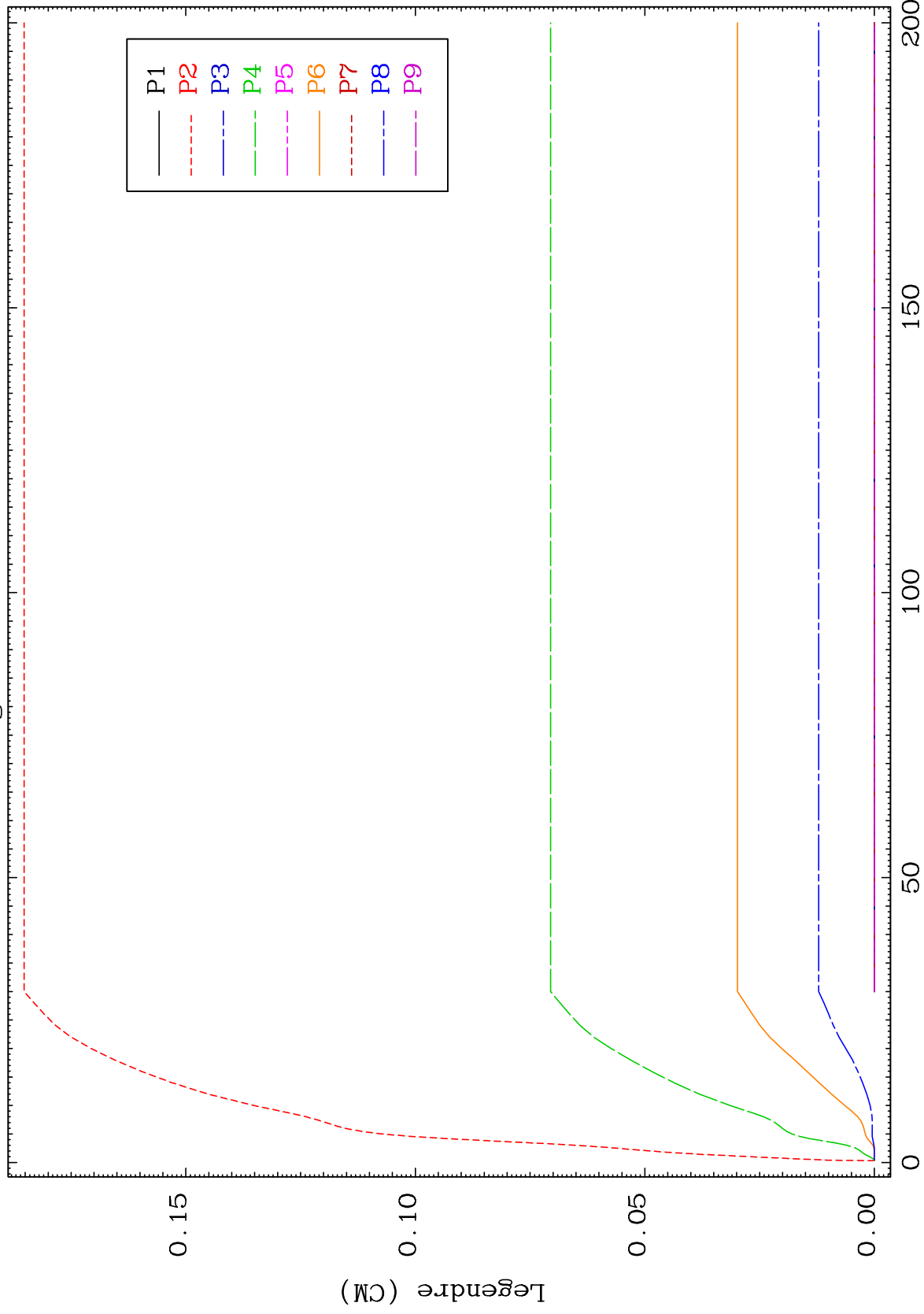
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



58

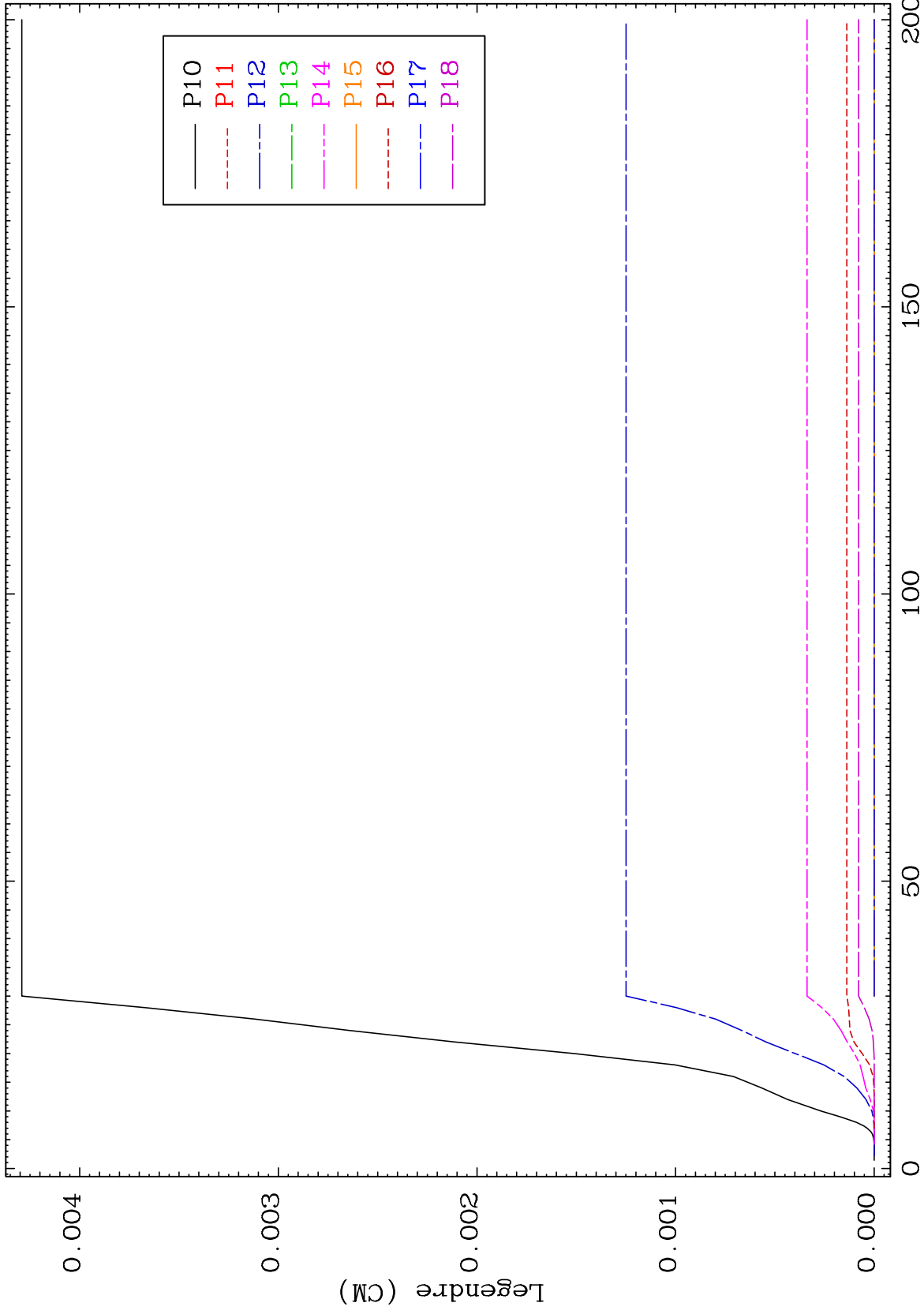
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



59

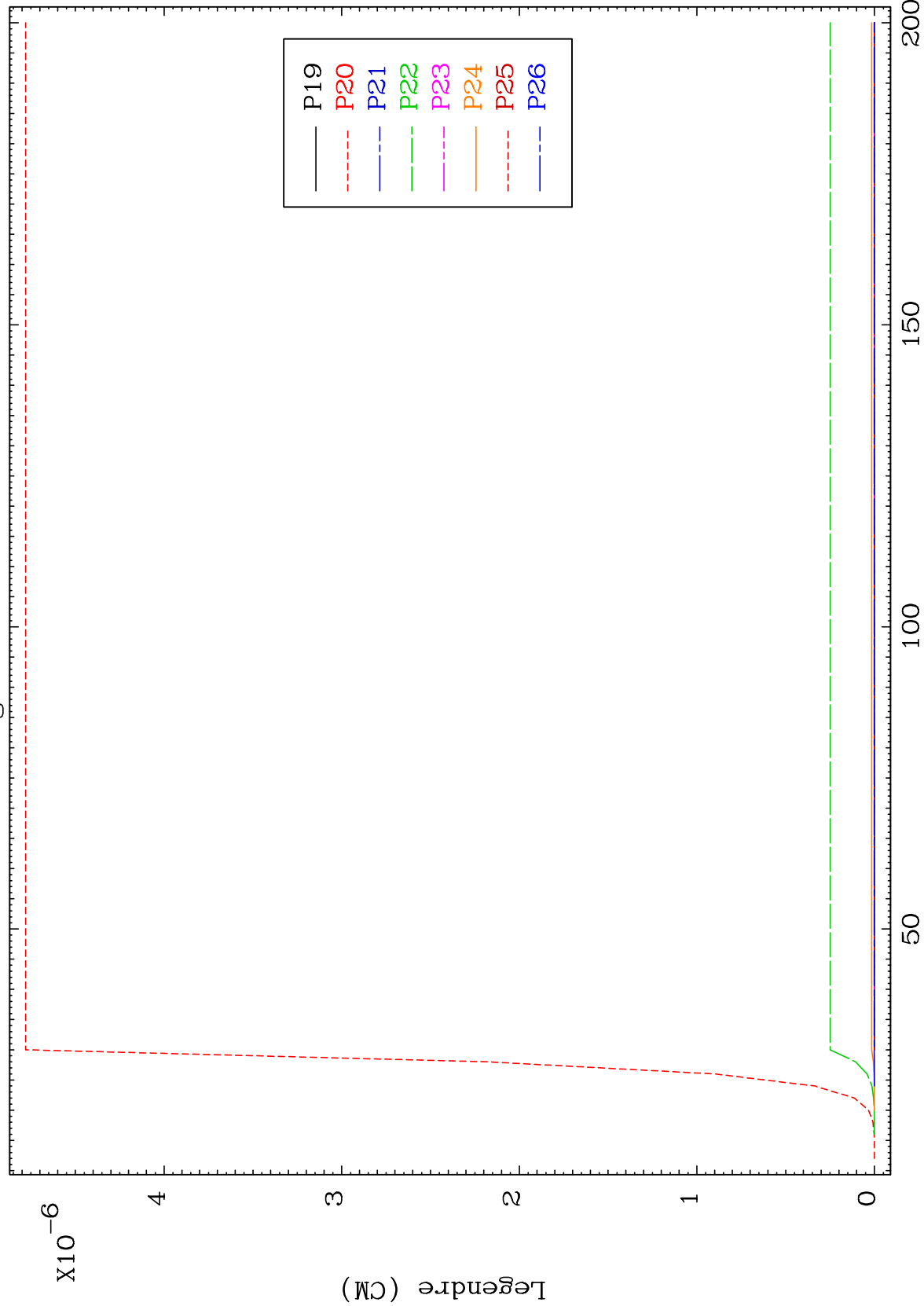
Incident Energy (MeV)

53-I -122

MAT 5310

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

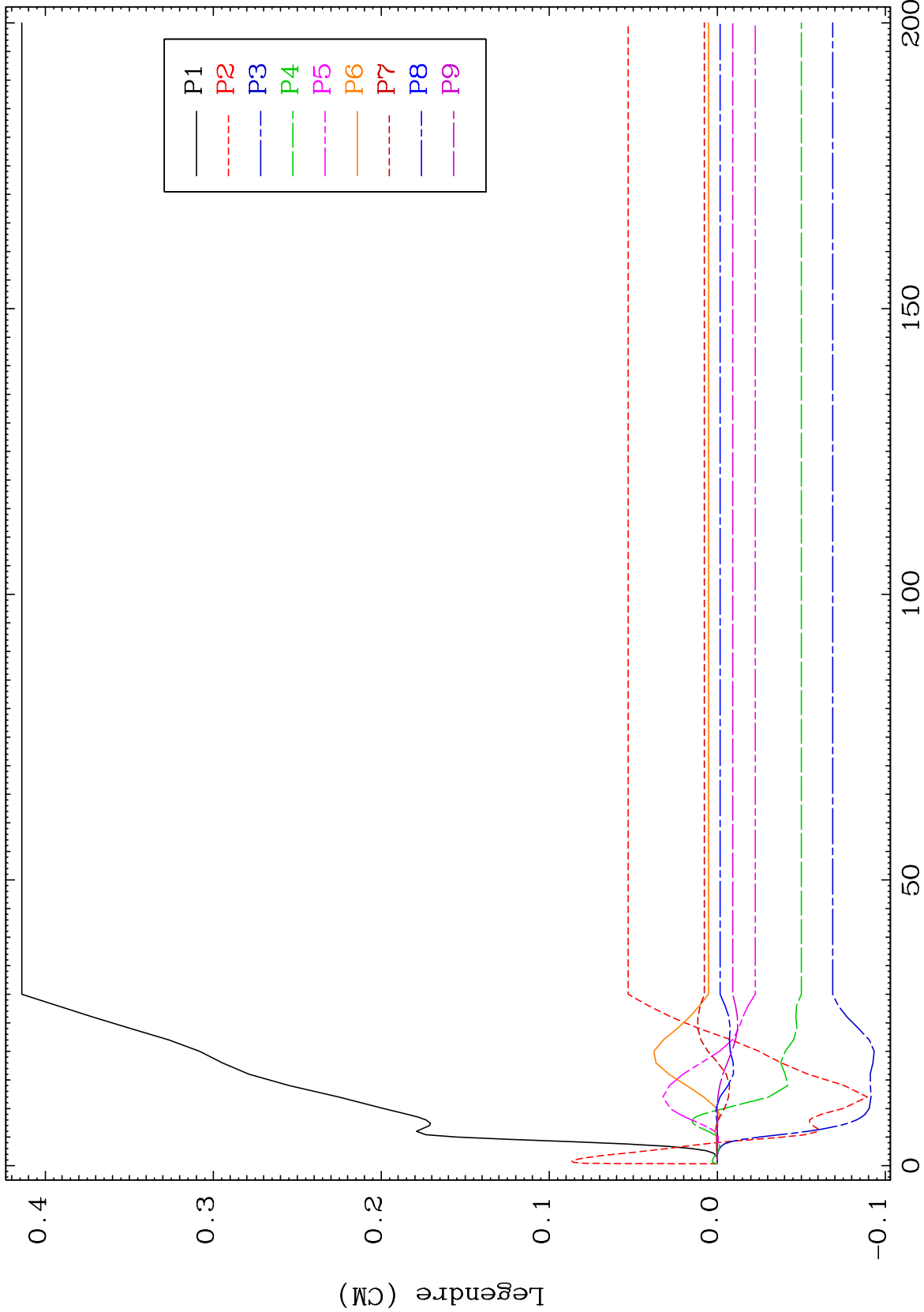
53-I -122



53-I -122

Incident Energy (MeV)

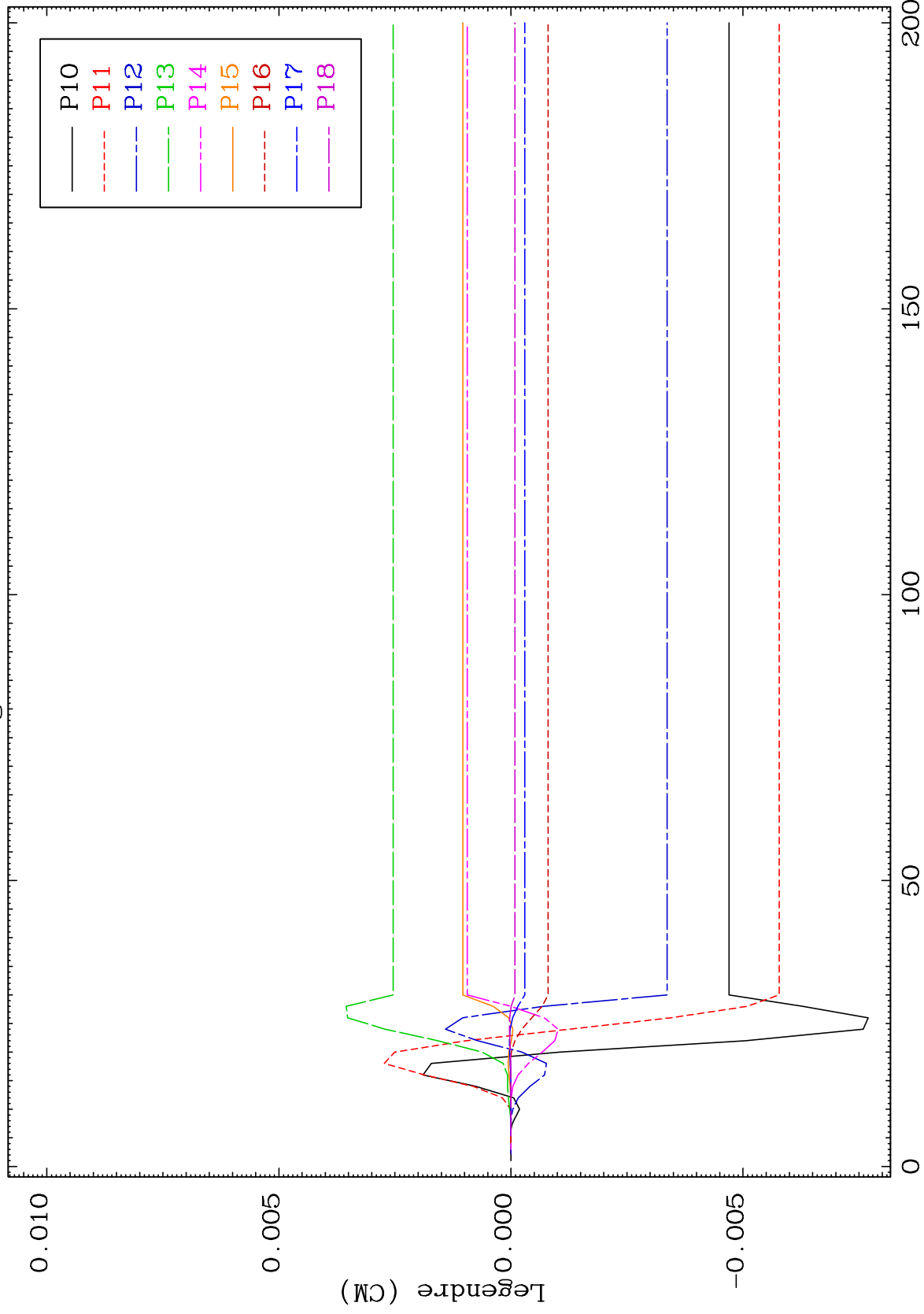
60



MAT 5310

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

53-I -122



62

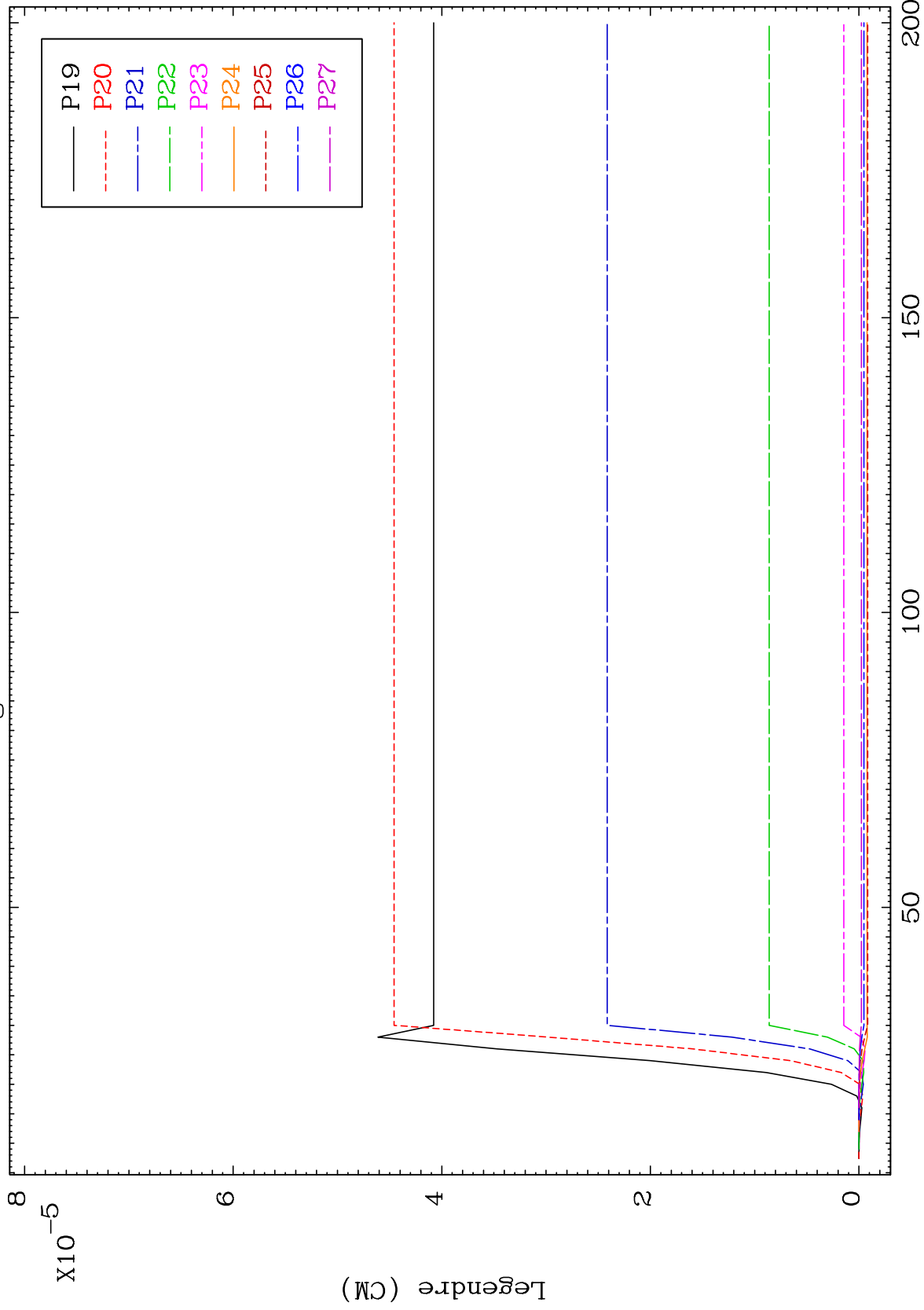
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



63

Incident Energy (MeV)

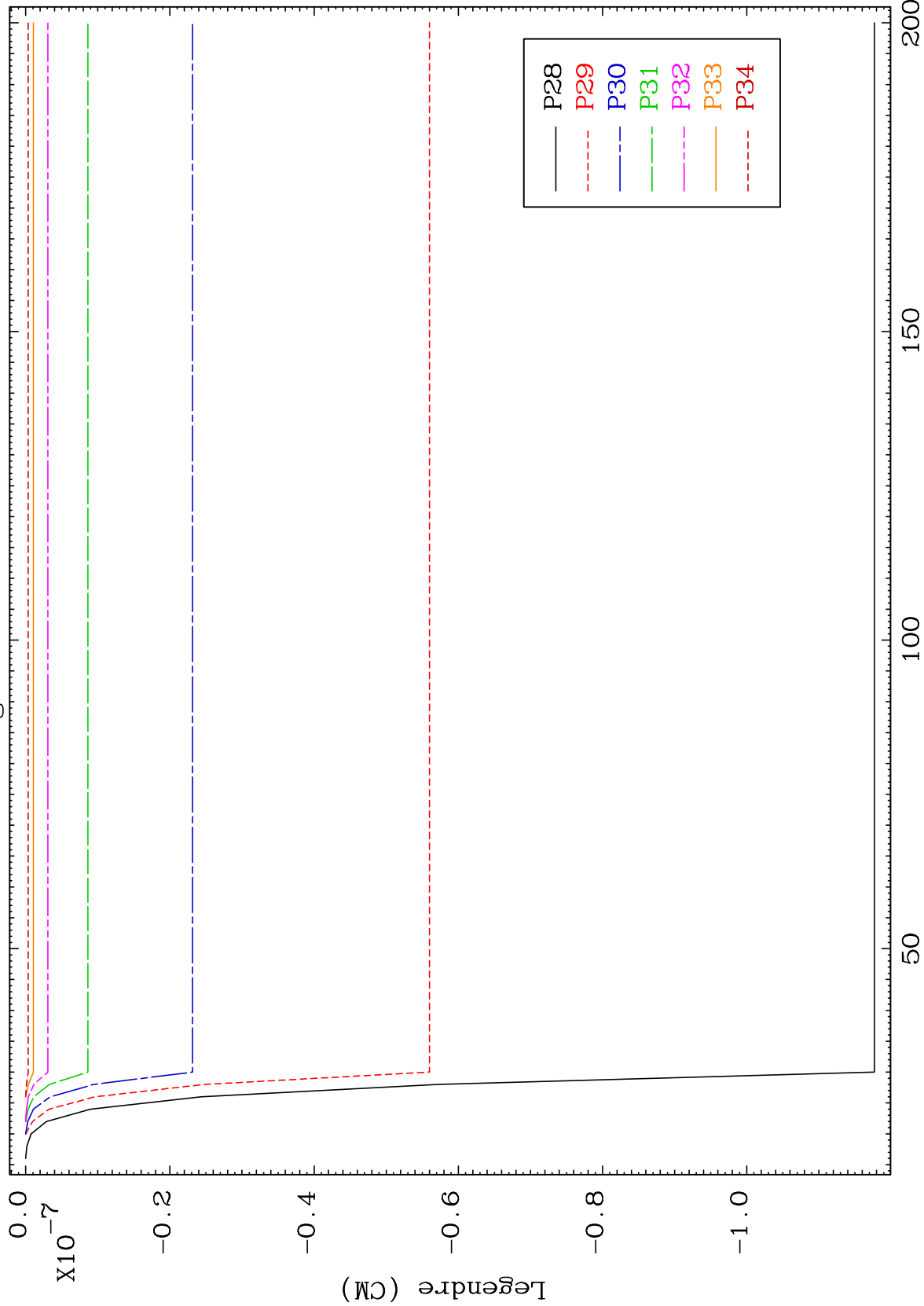
53-I -122

MAT 5310

MT= 64 (n,n') Level

53-I -122

Legendre Coefficients



64

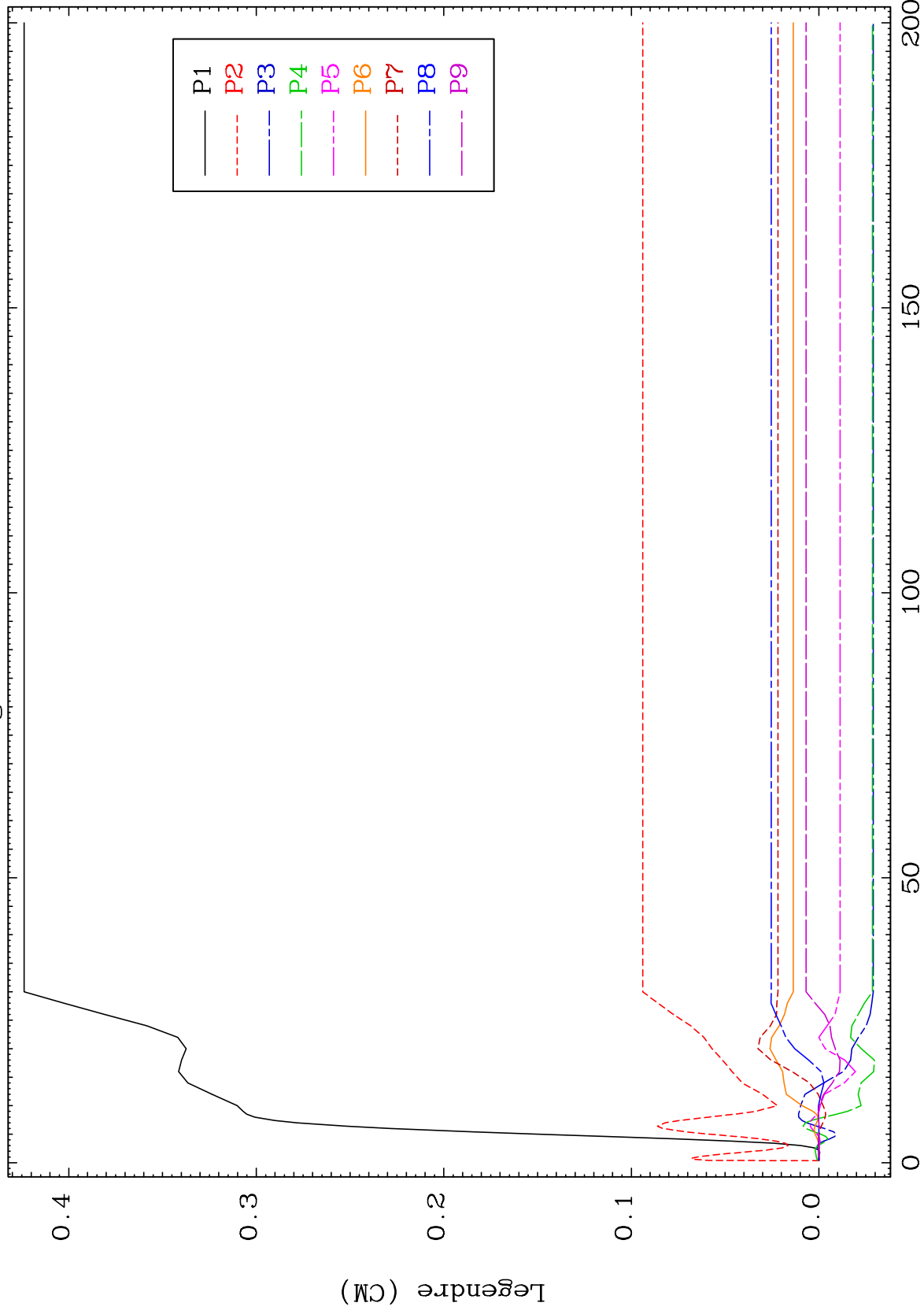
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

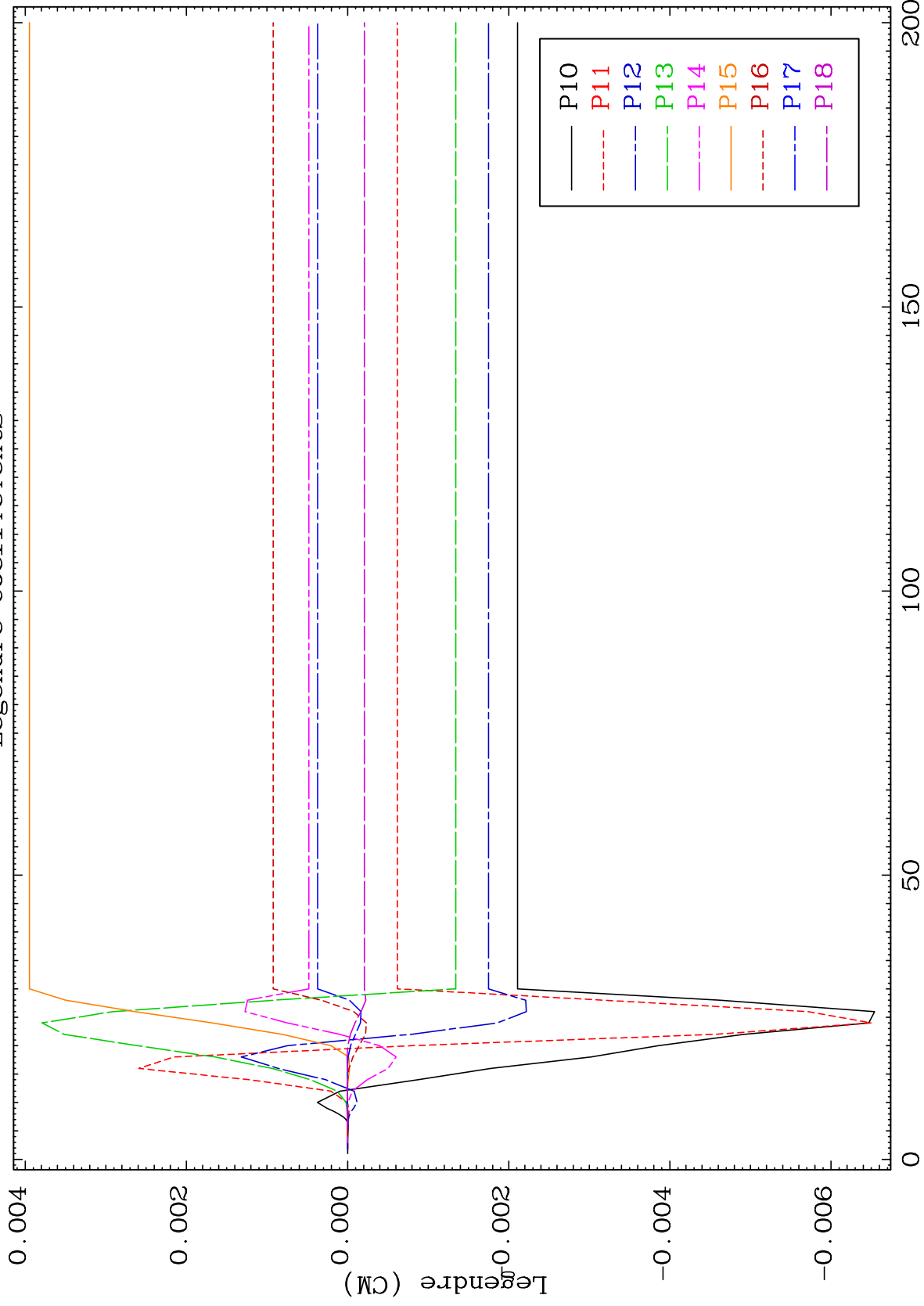
Incident Energy (MeV)

65

MAT 5310

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

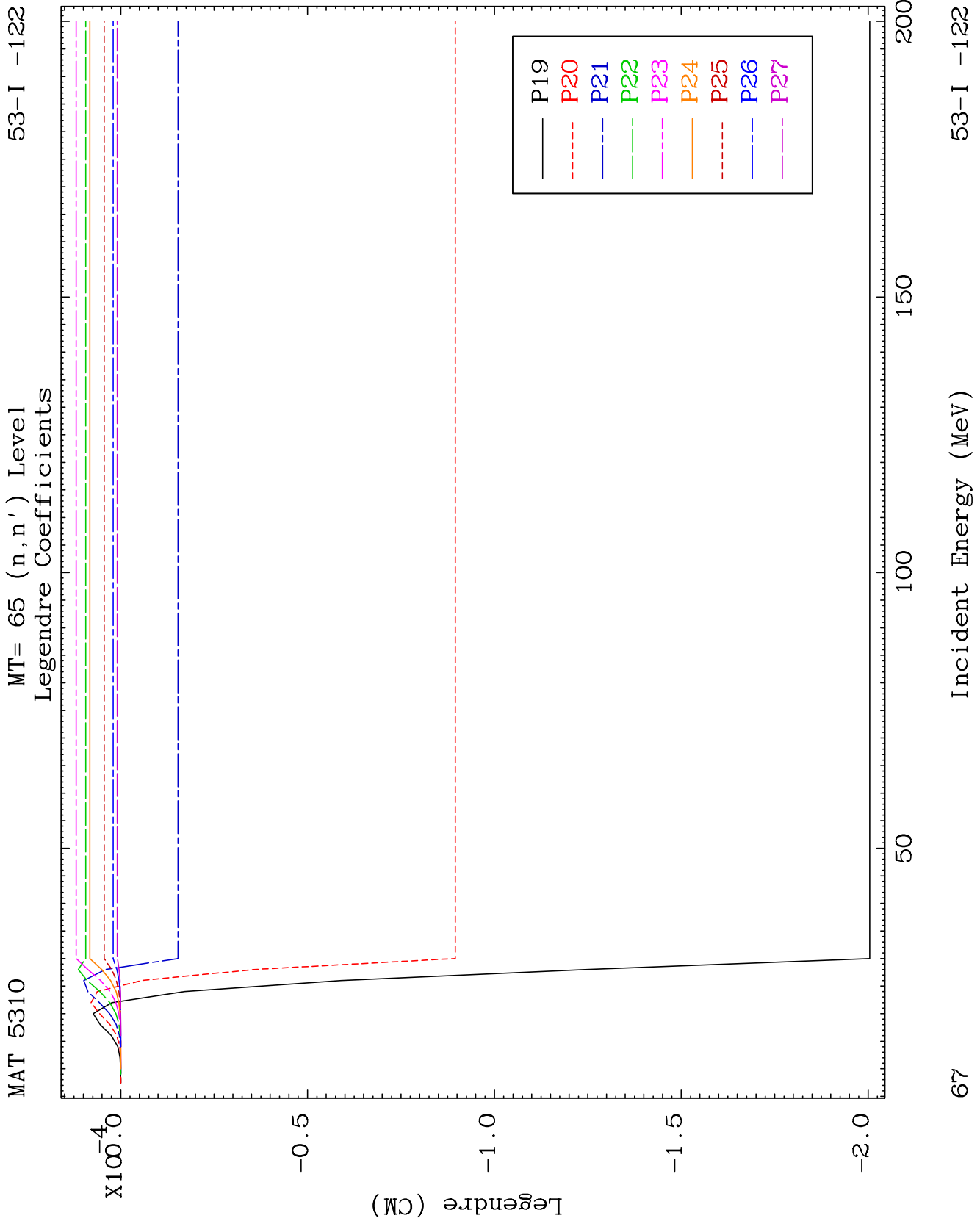
53-I -122



66

Incident Energy (MeV)

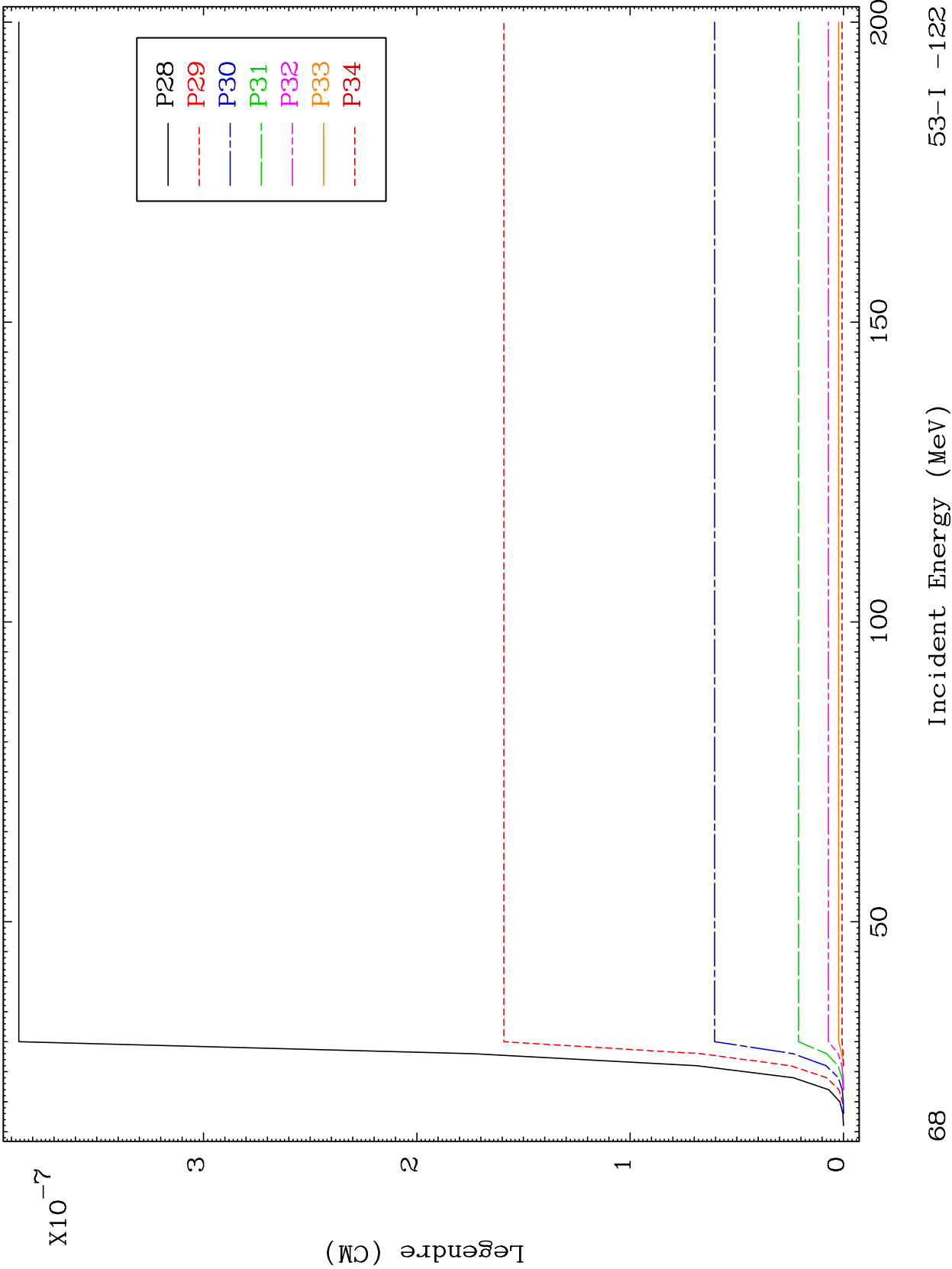
53-I -122



MAT 5310

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

53-I -122



68

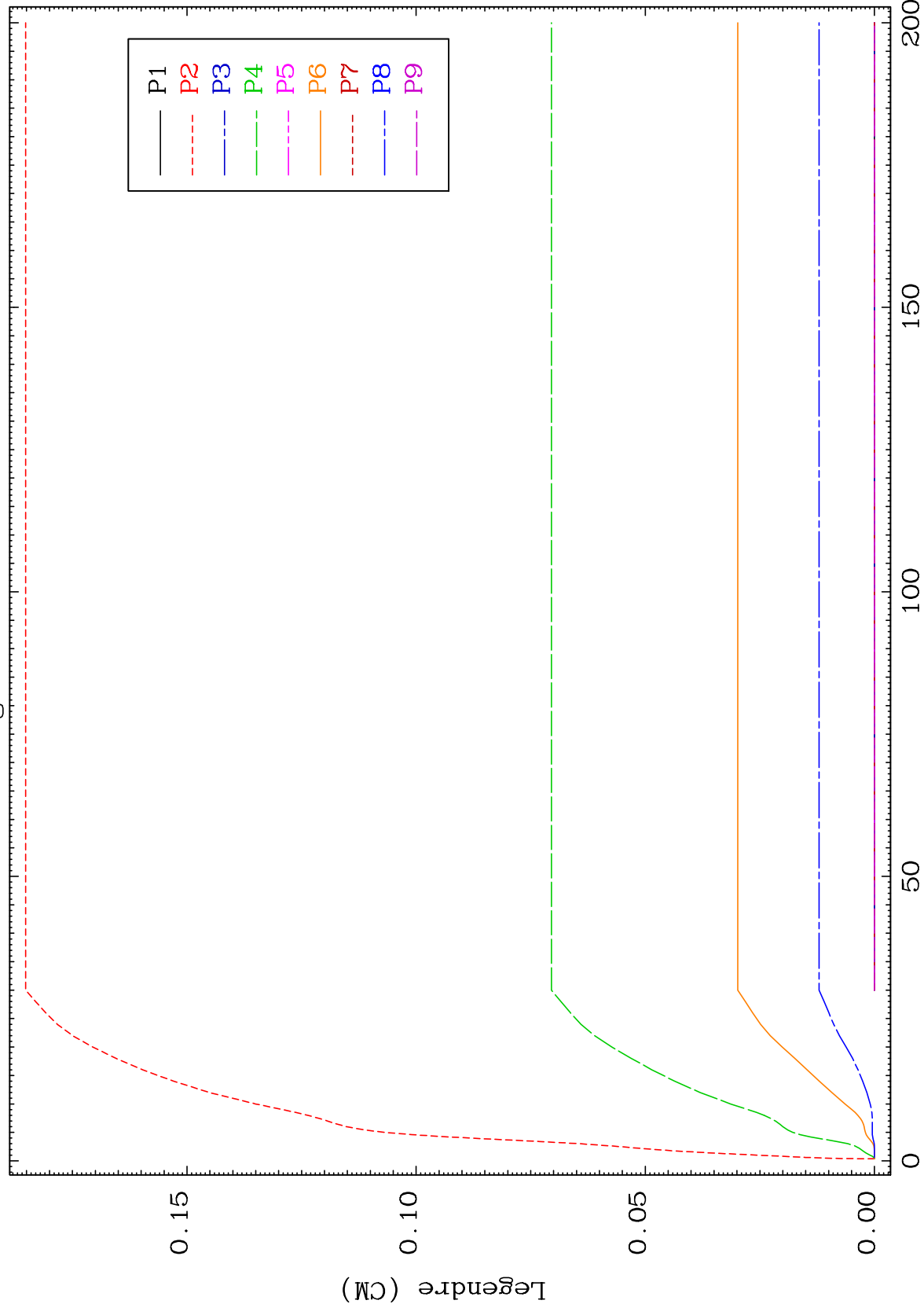
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



69

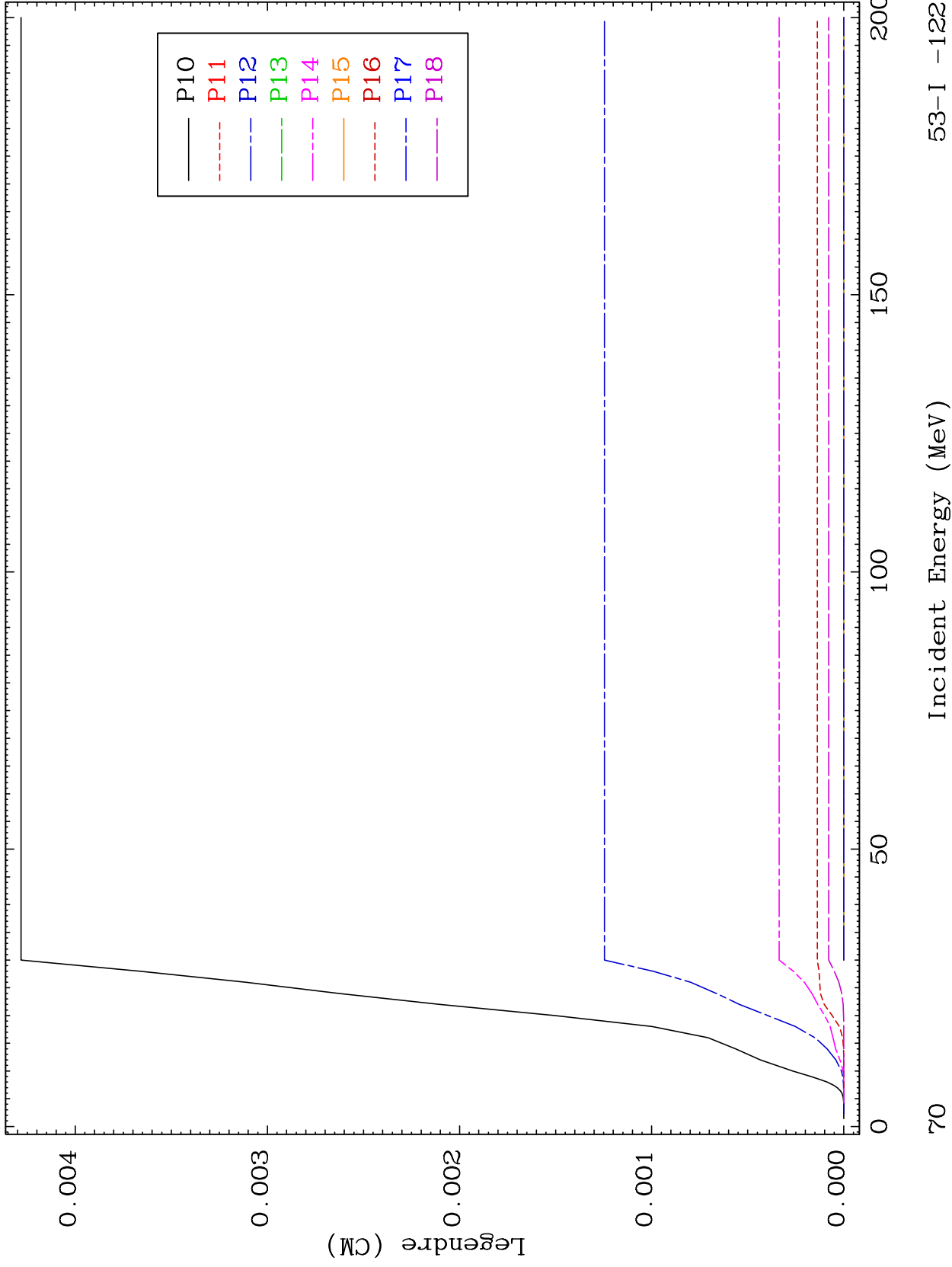
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



53-I -122

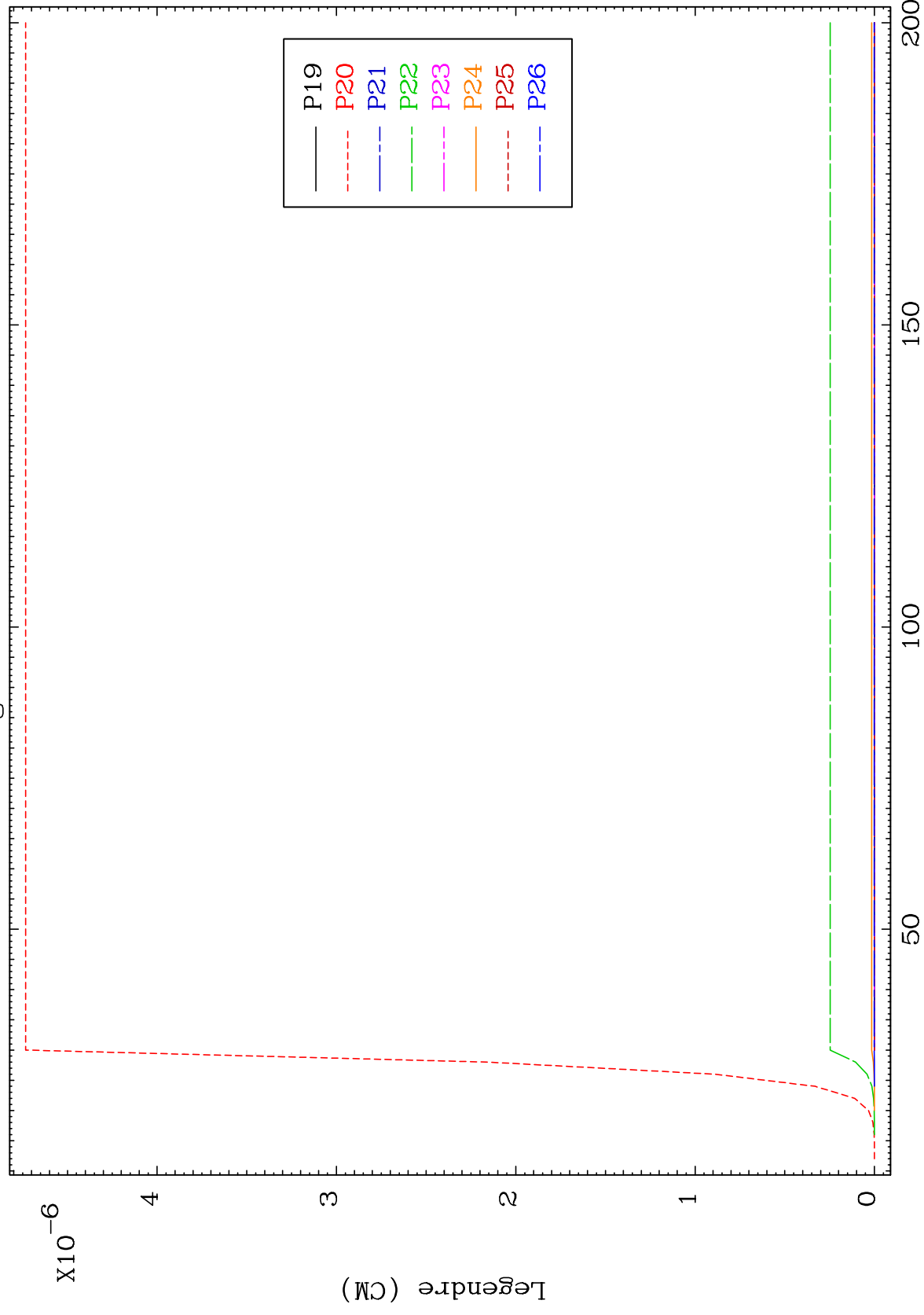
Incident Energy (MeV)

70

MAT 5310

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

53-I -122



71

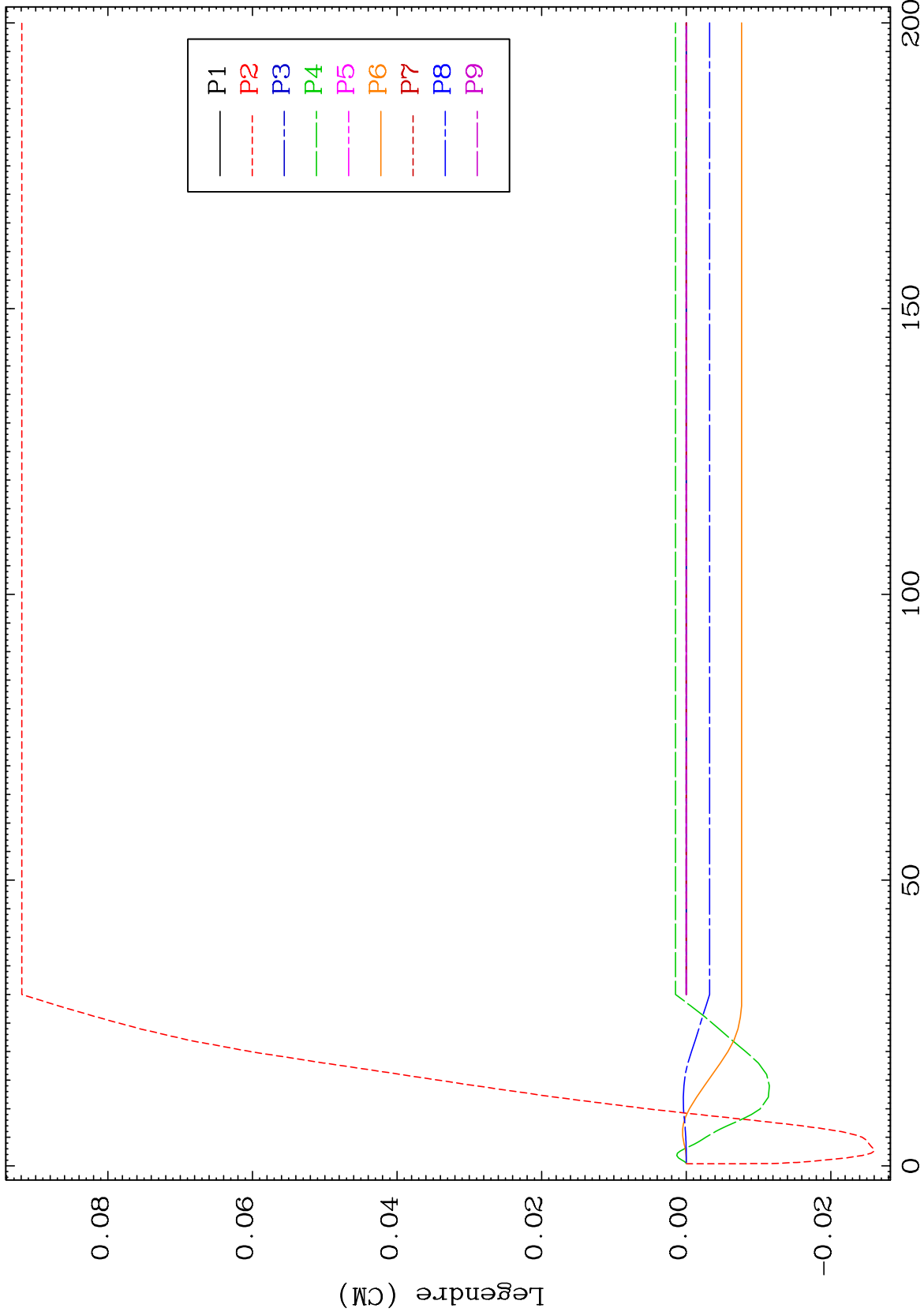
Incident Energy (MeV)

53-I -122

MAT 5310

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

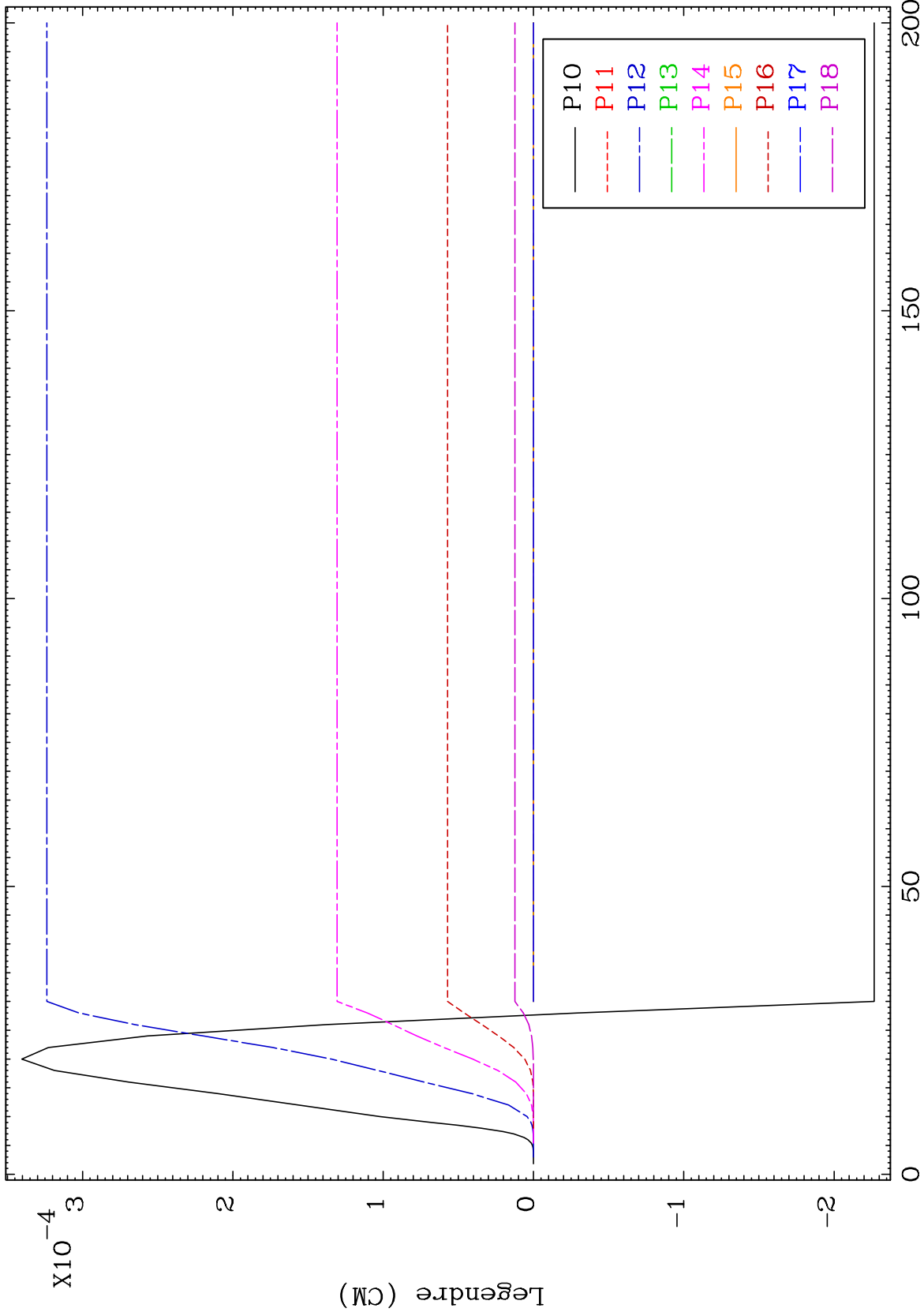
53-I -122



72

Incident Energy (MeV)

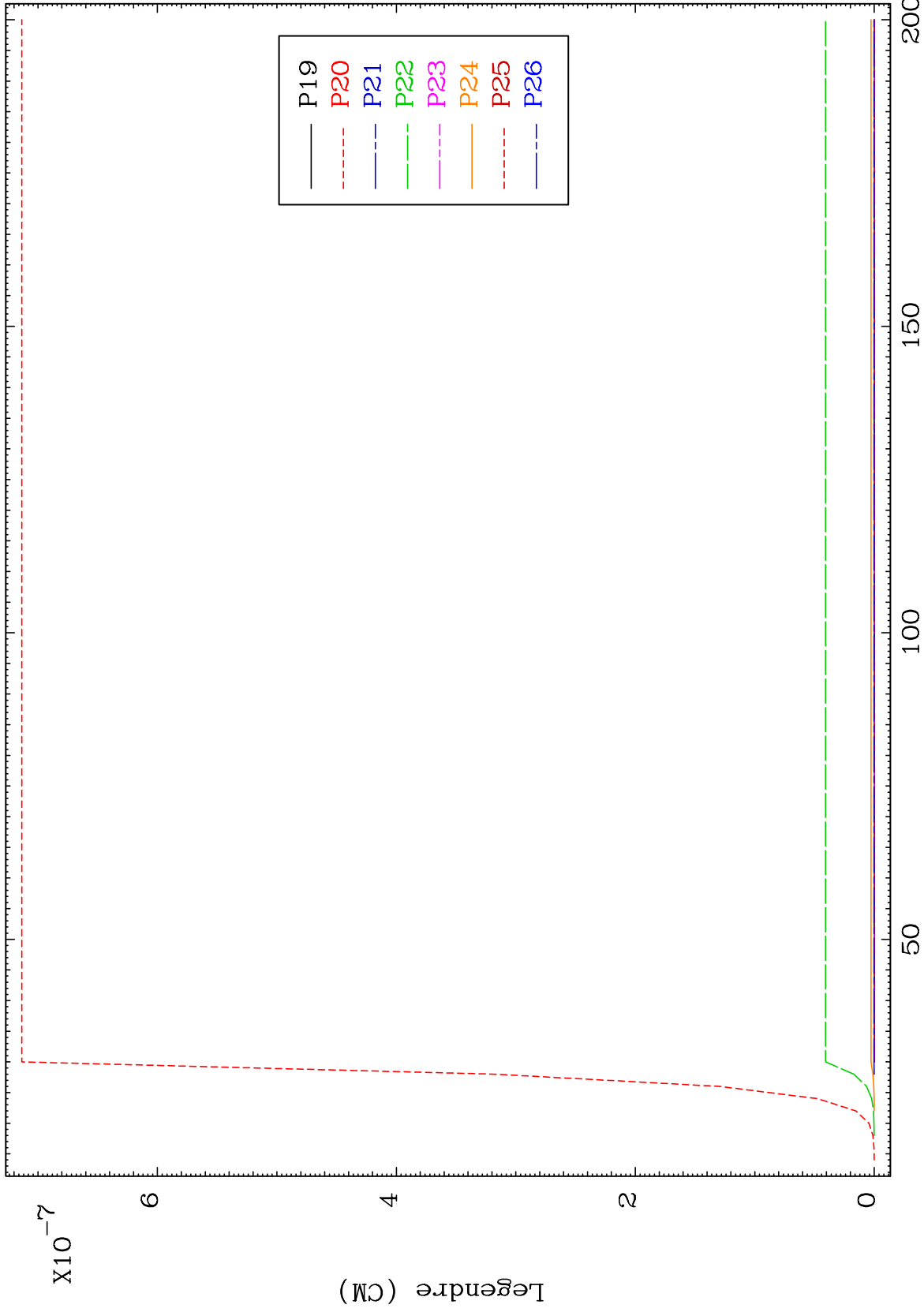
53-I -122



MAT 5310

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

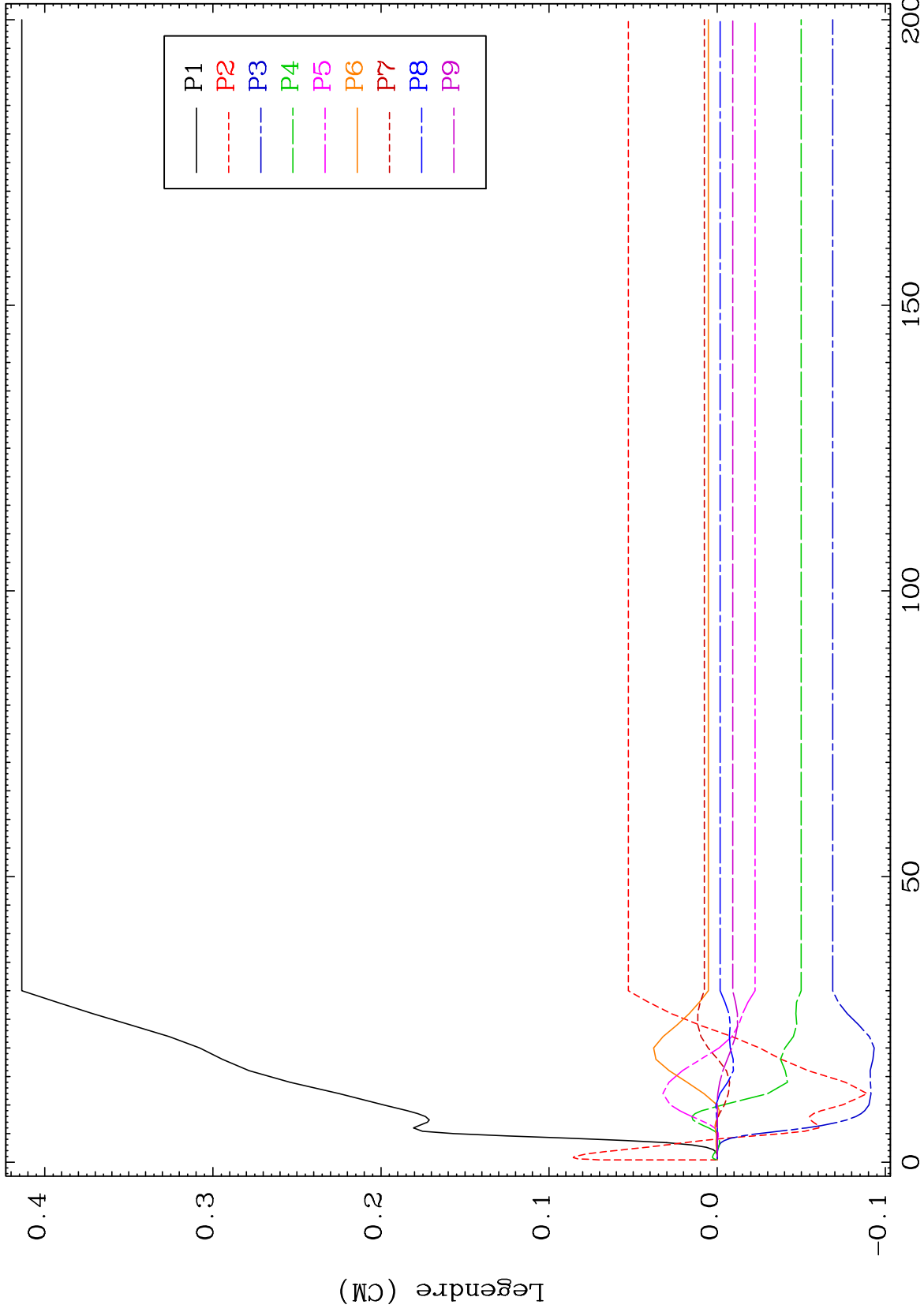
53-I -122



74

Incident Energy (MeV)

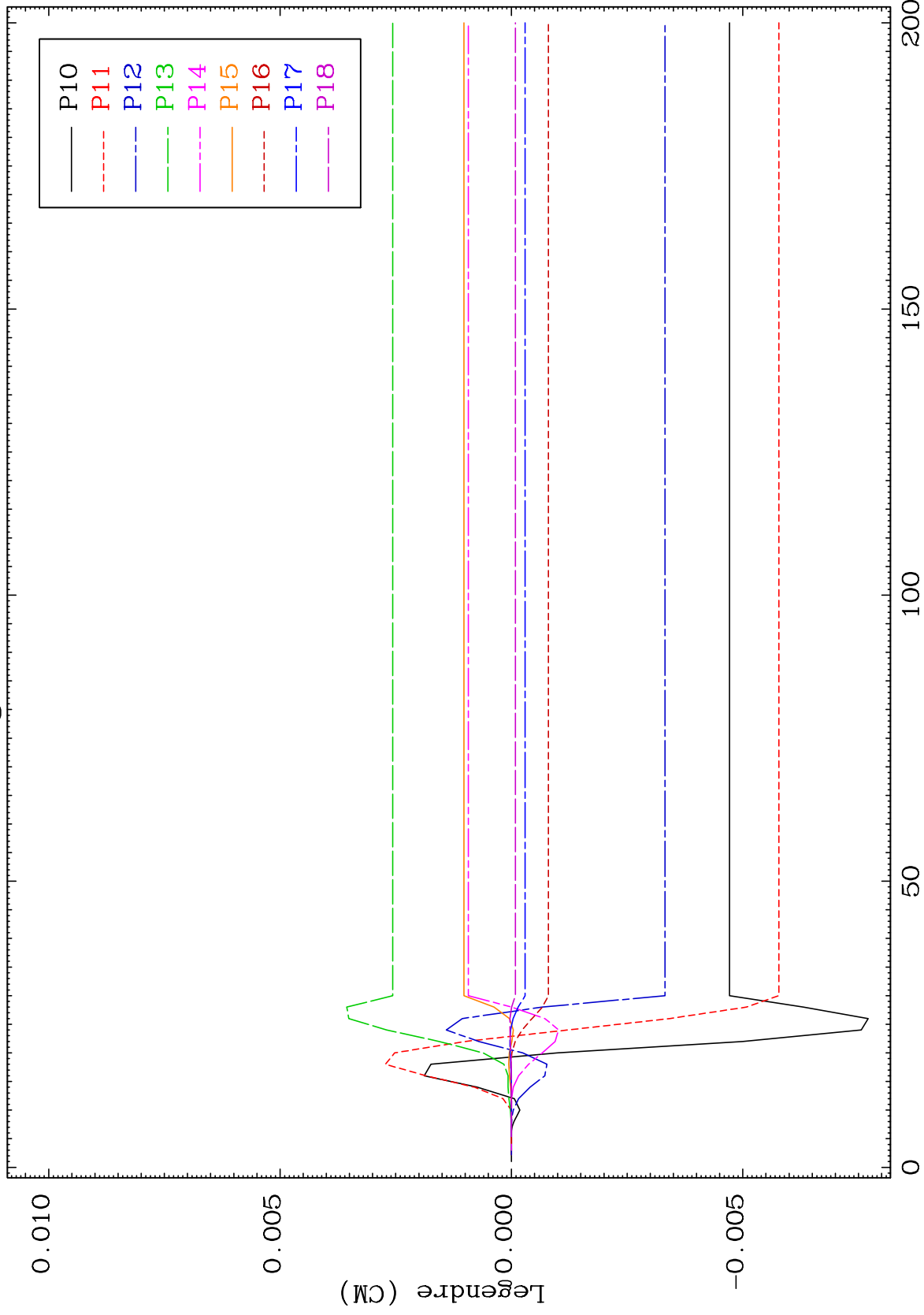
53-I -122



MAT 5310

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

53-I -122



76

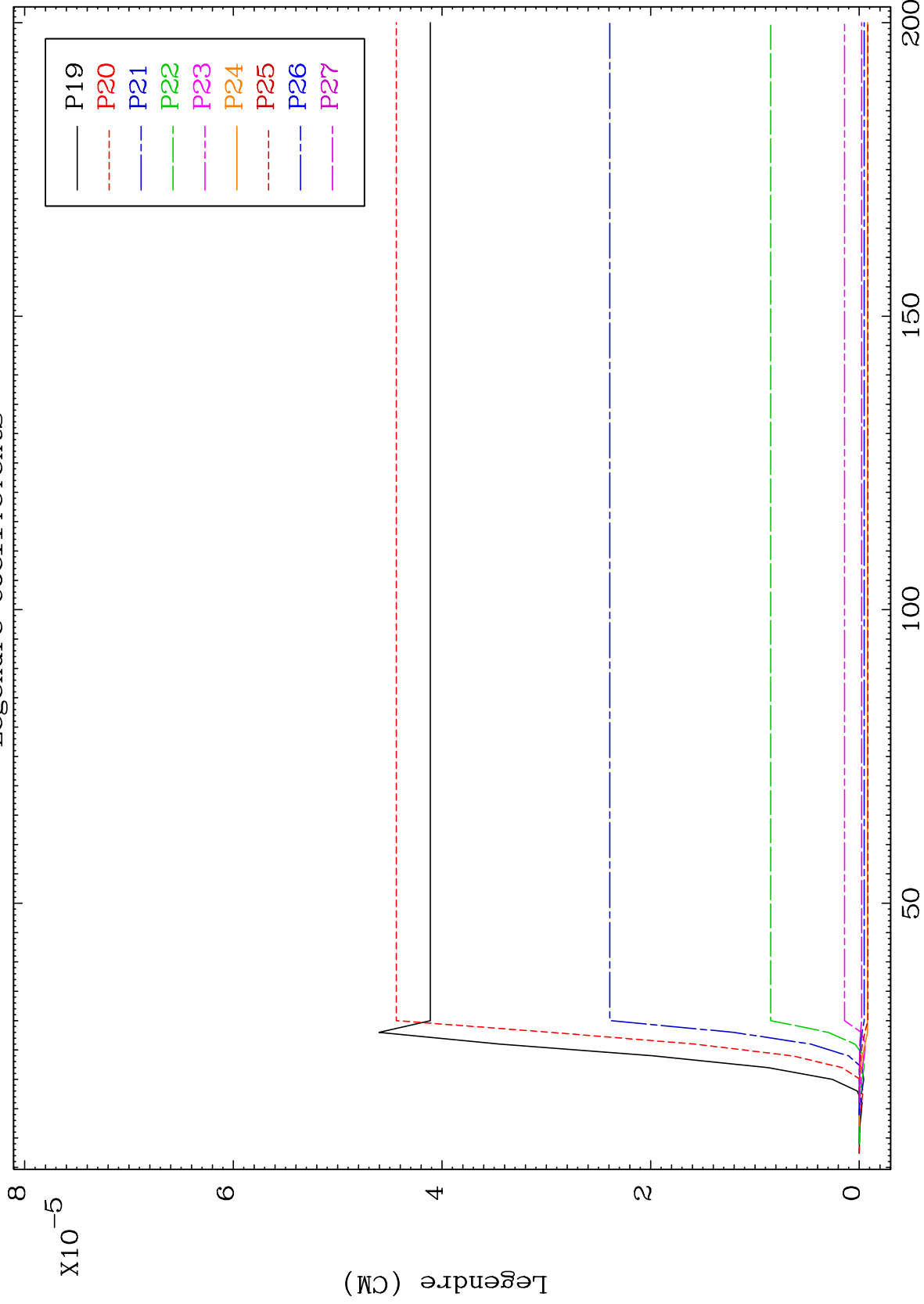
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



77

Incident Energy (MeV)

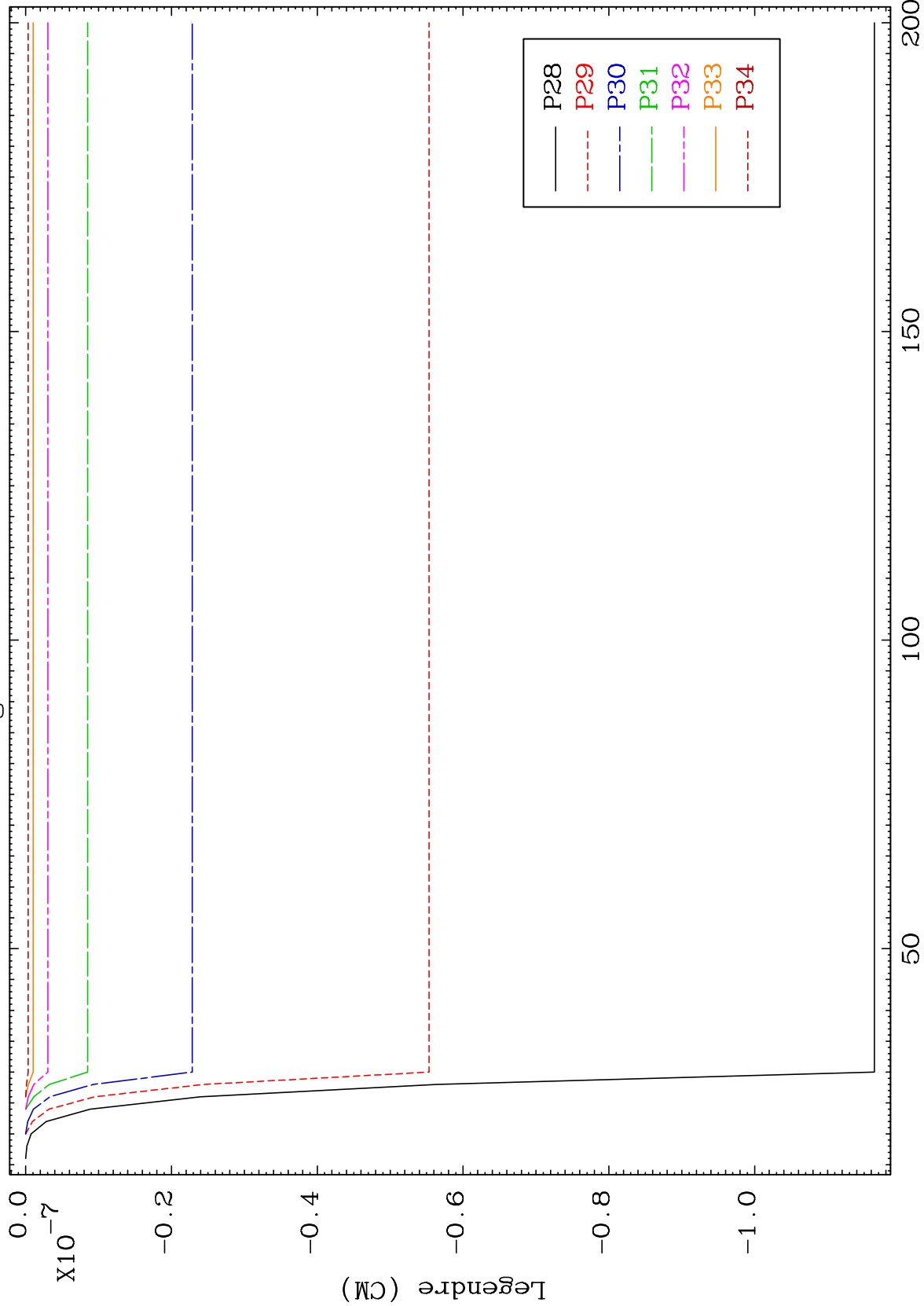
53-I -122

MAT 5310

MT= 68 (n,n') Level

53-I -122

Legendre Coefficients



78

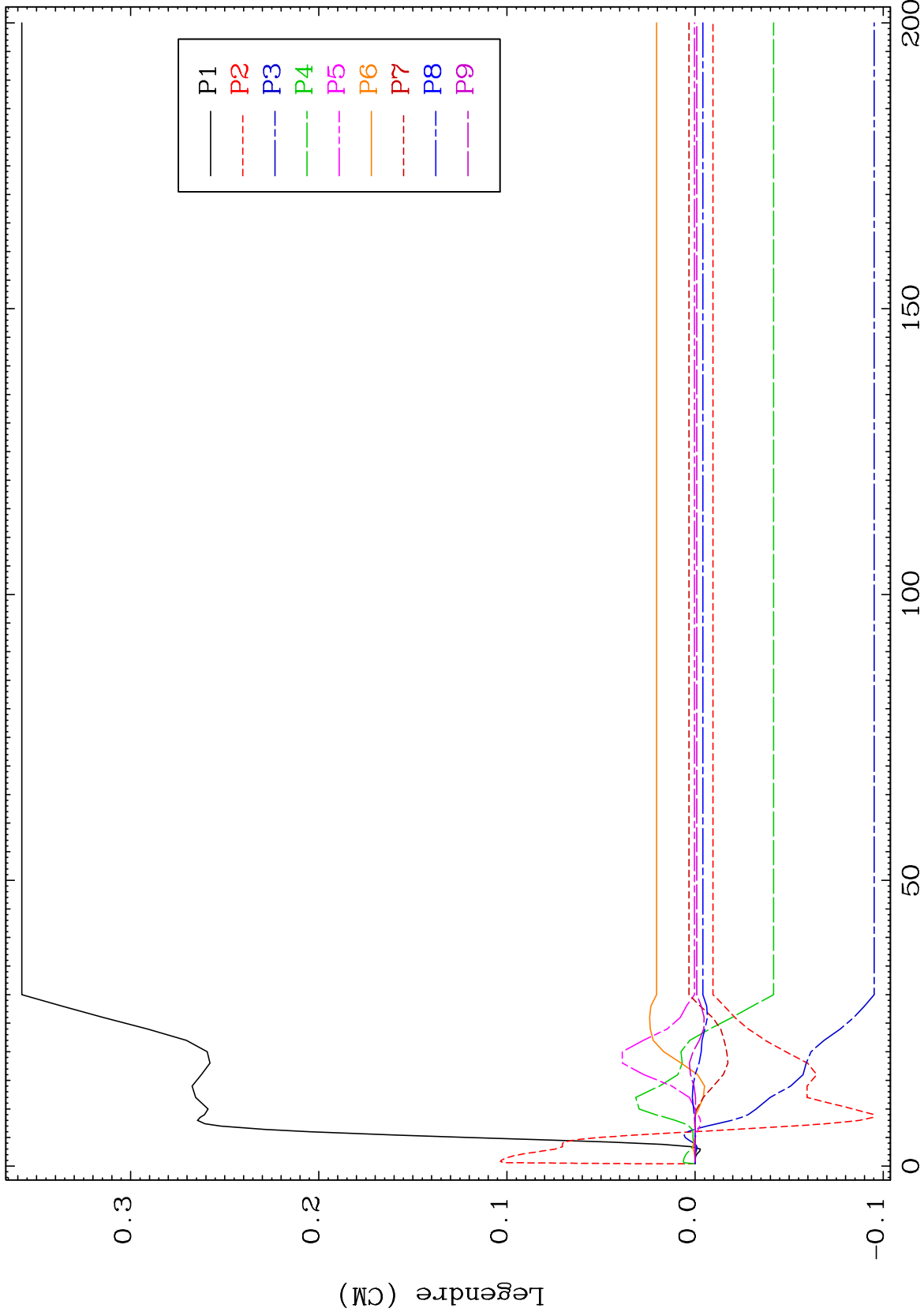
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



79

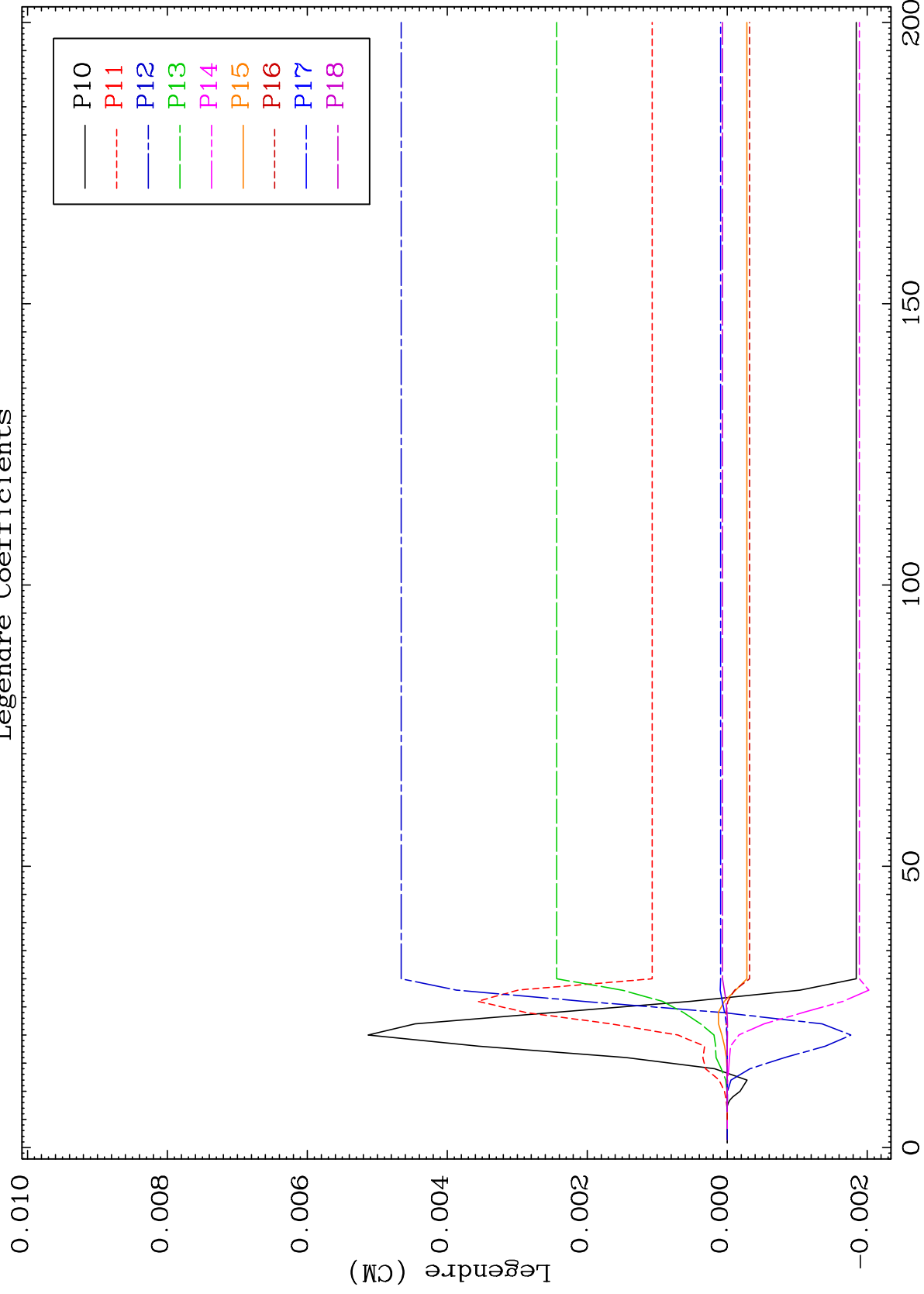
Incident Energy (MeV)

53-I -122

MAT 5310

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

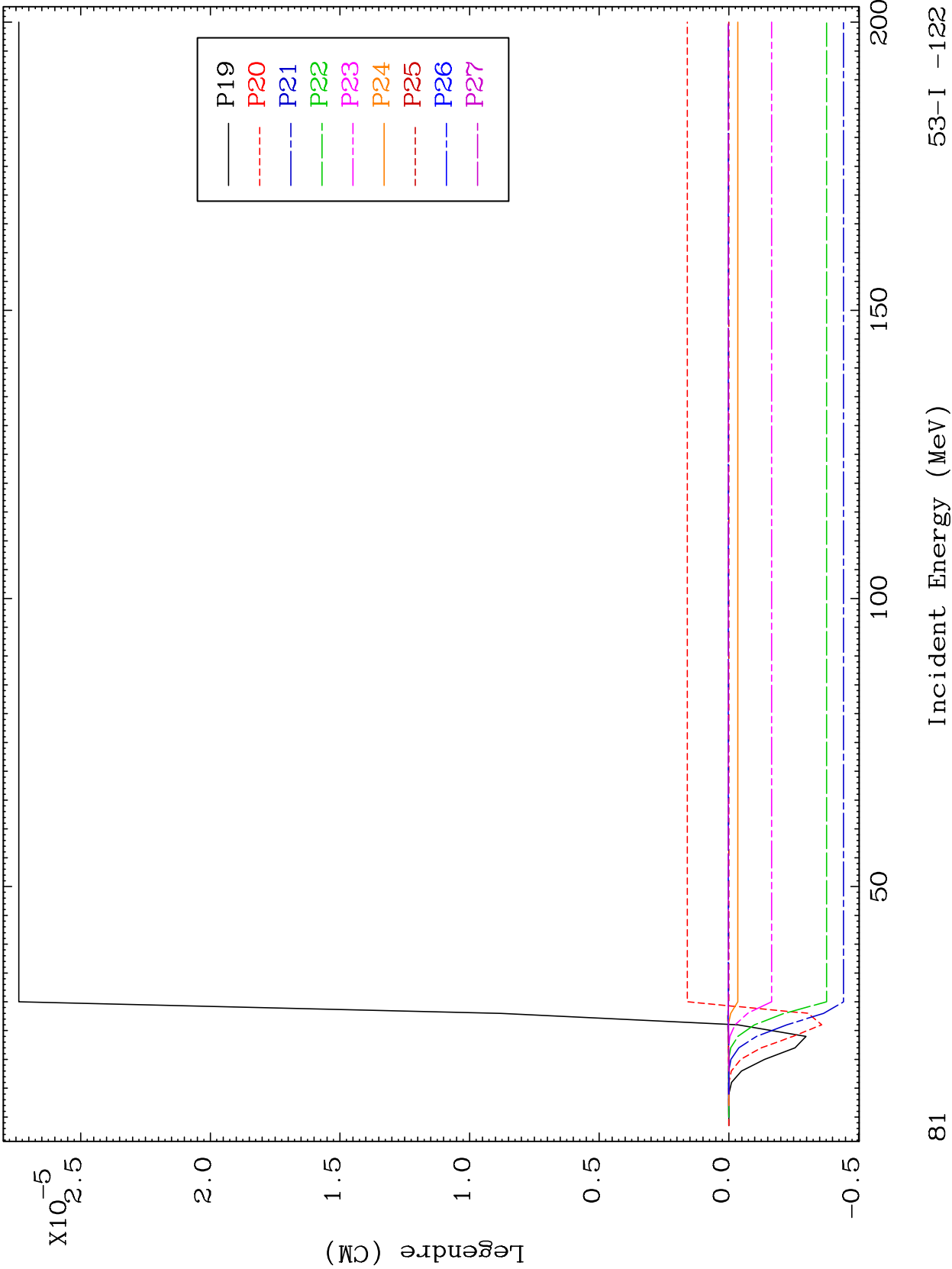
53-I -122



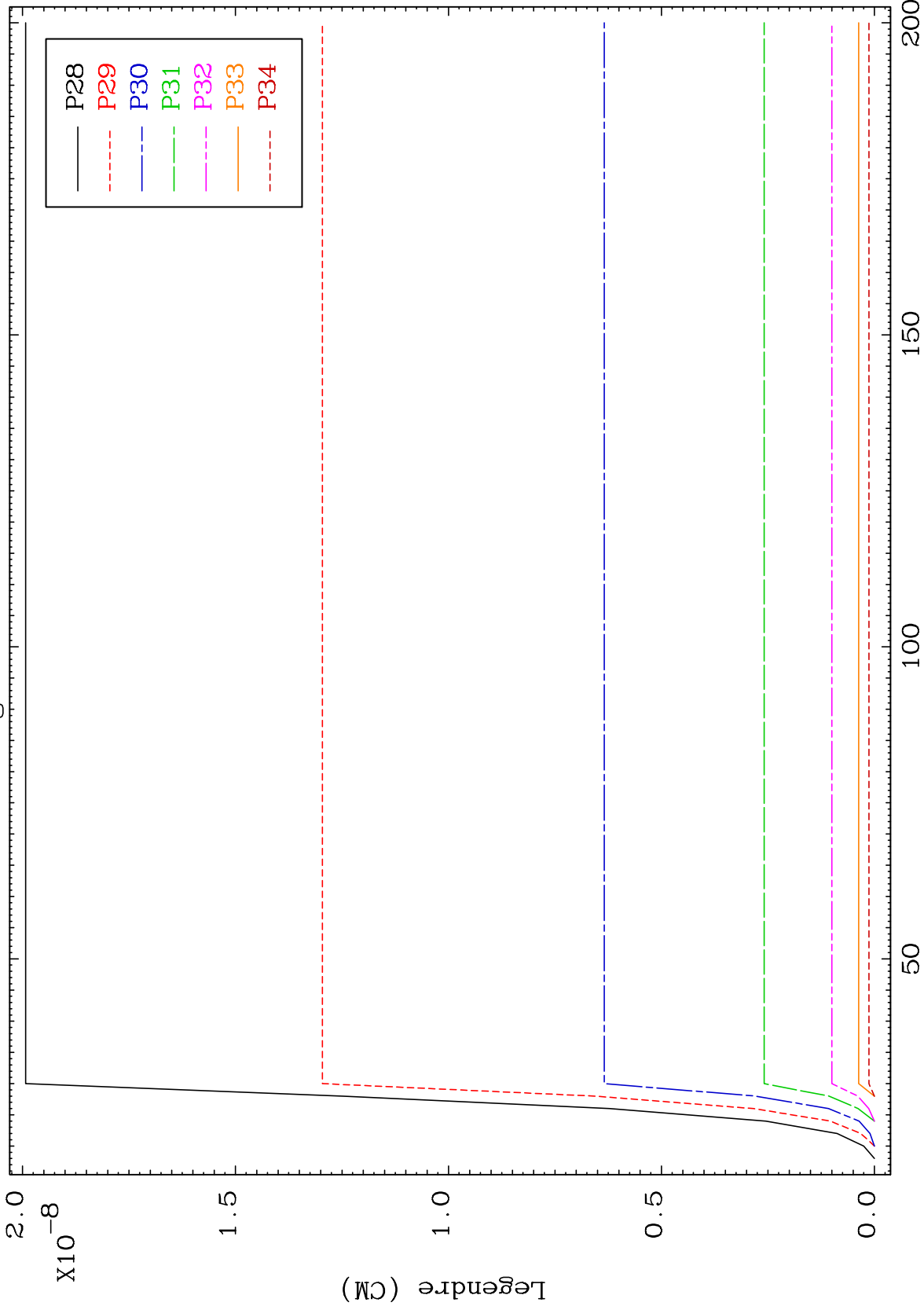
80

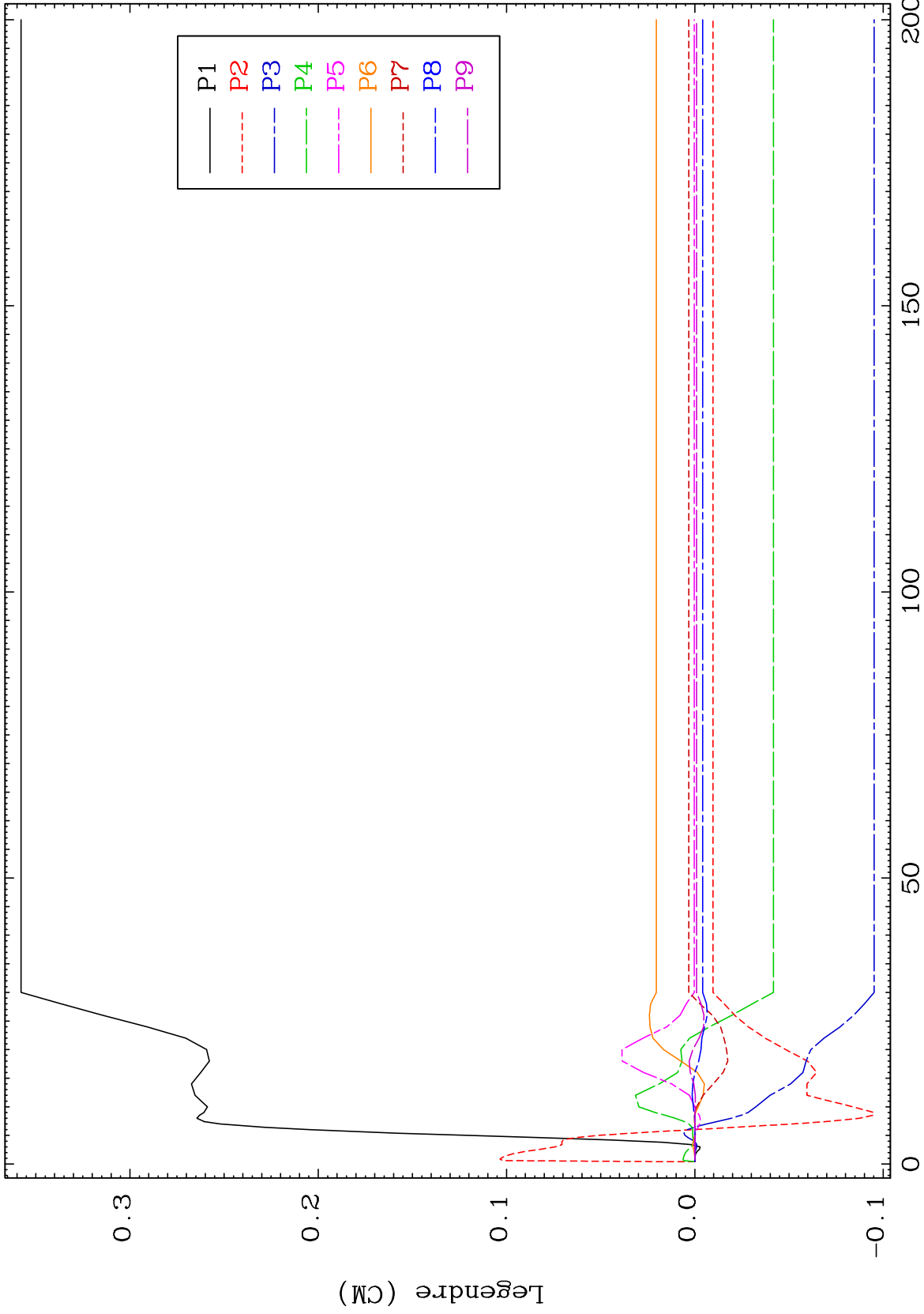
Incident Energy (MeV)

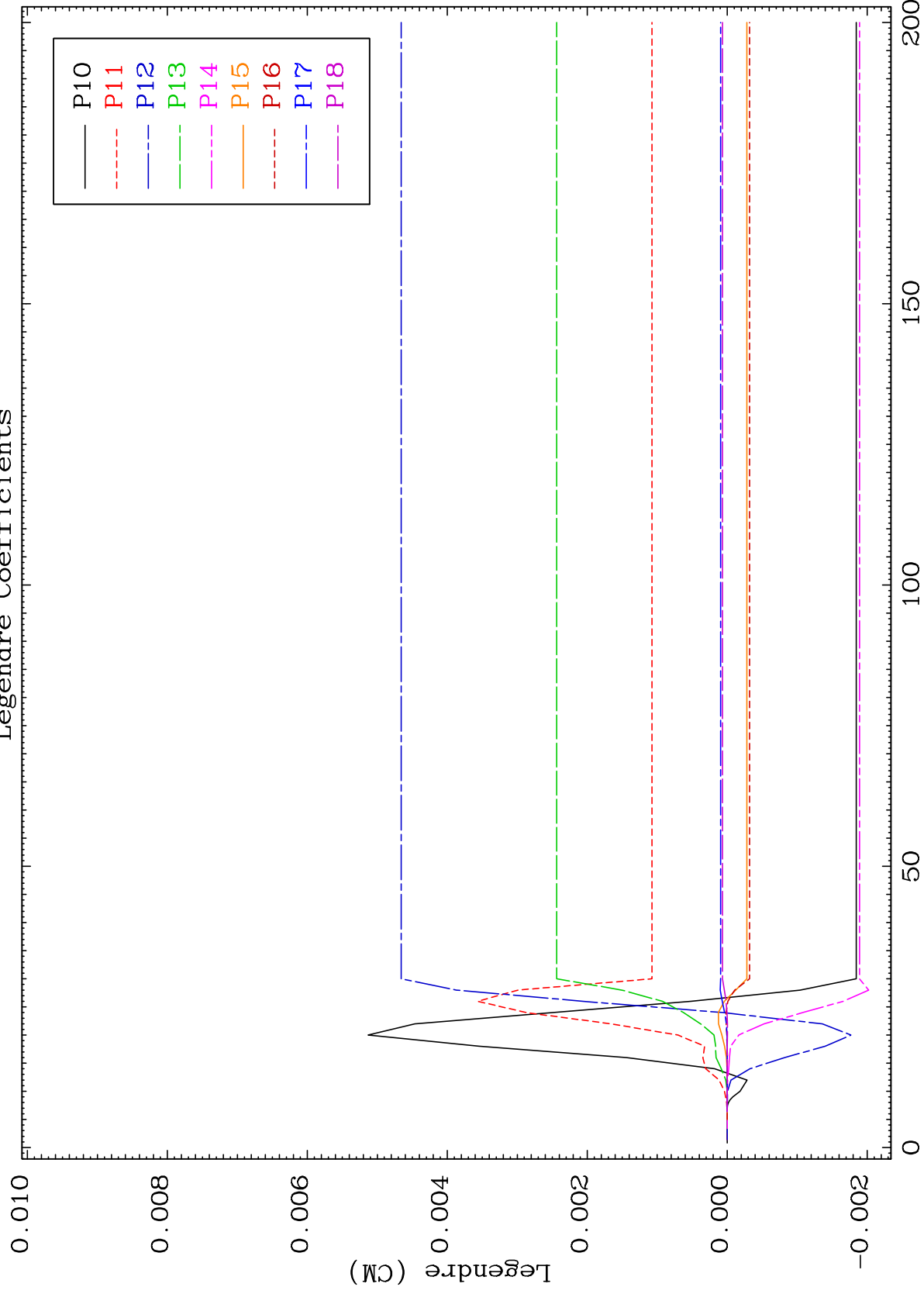
53-I -122

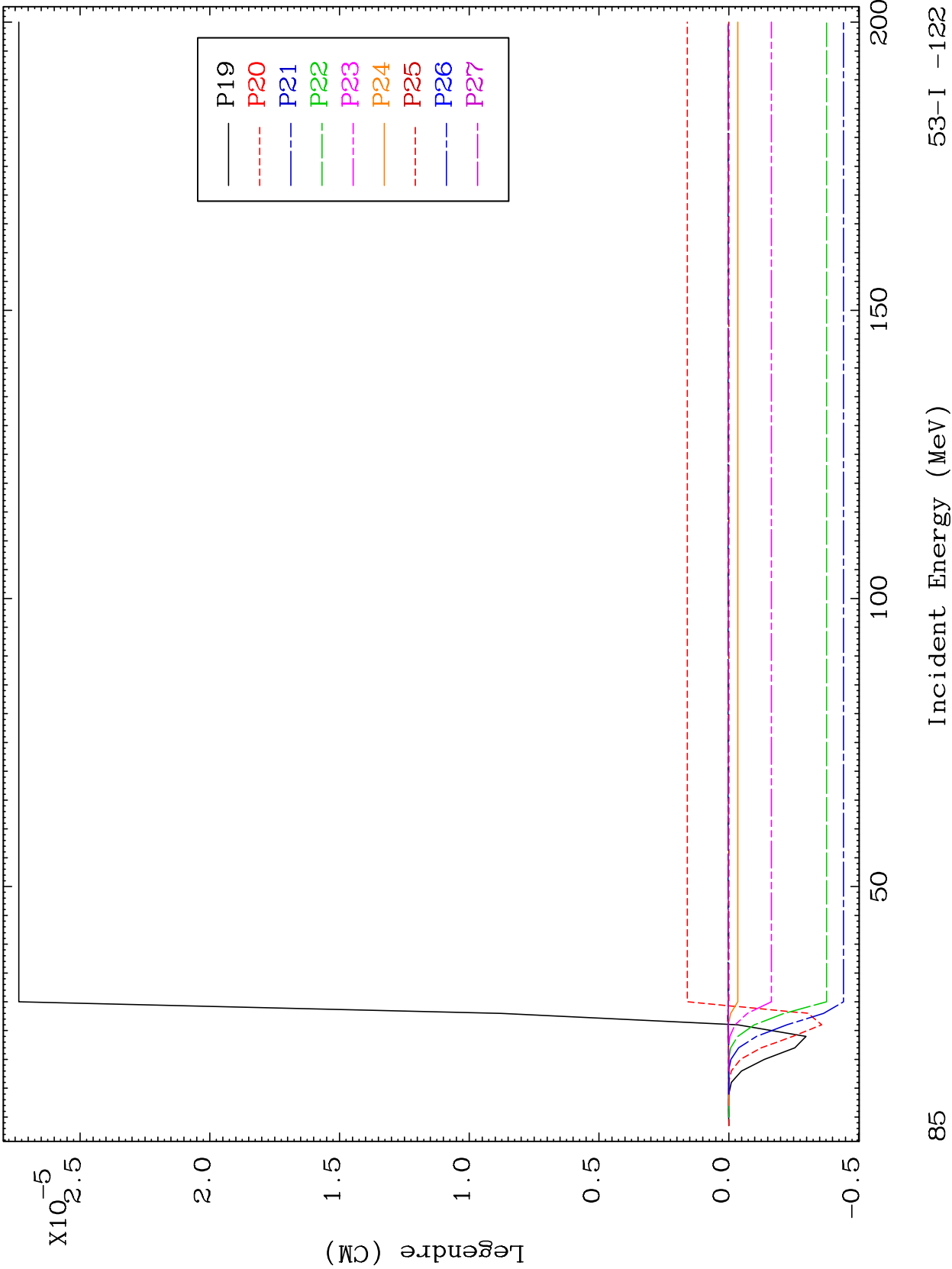


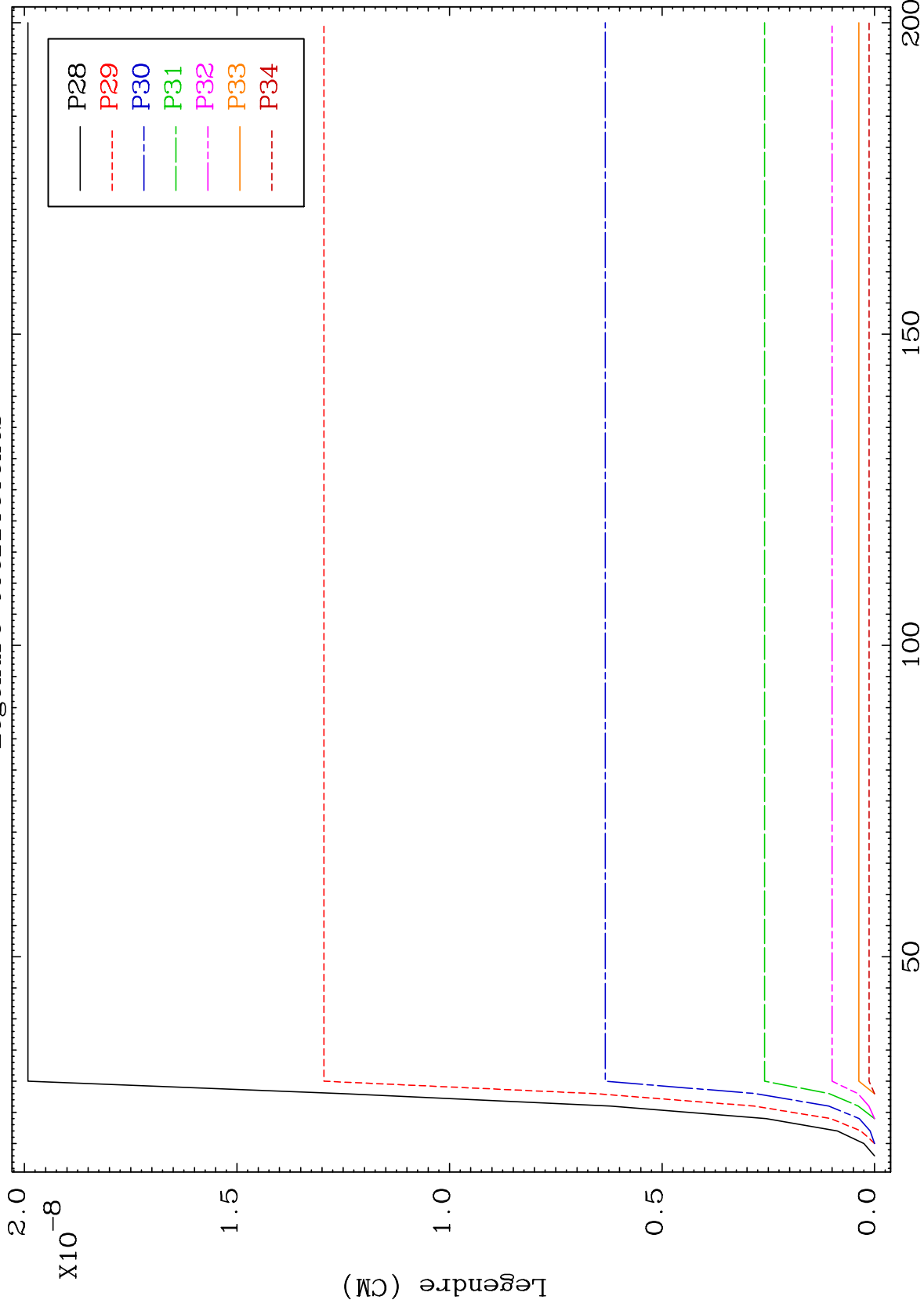
Legendre Coefficients







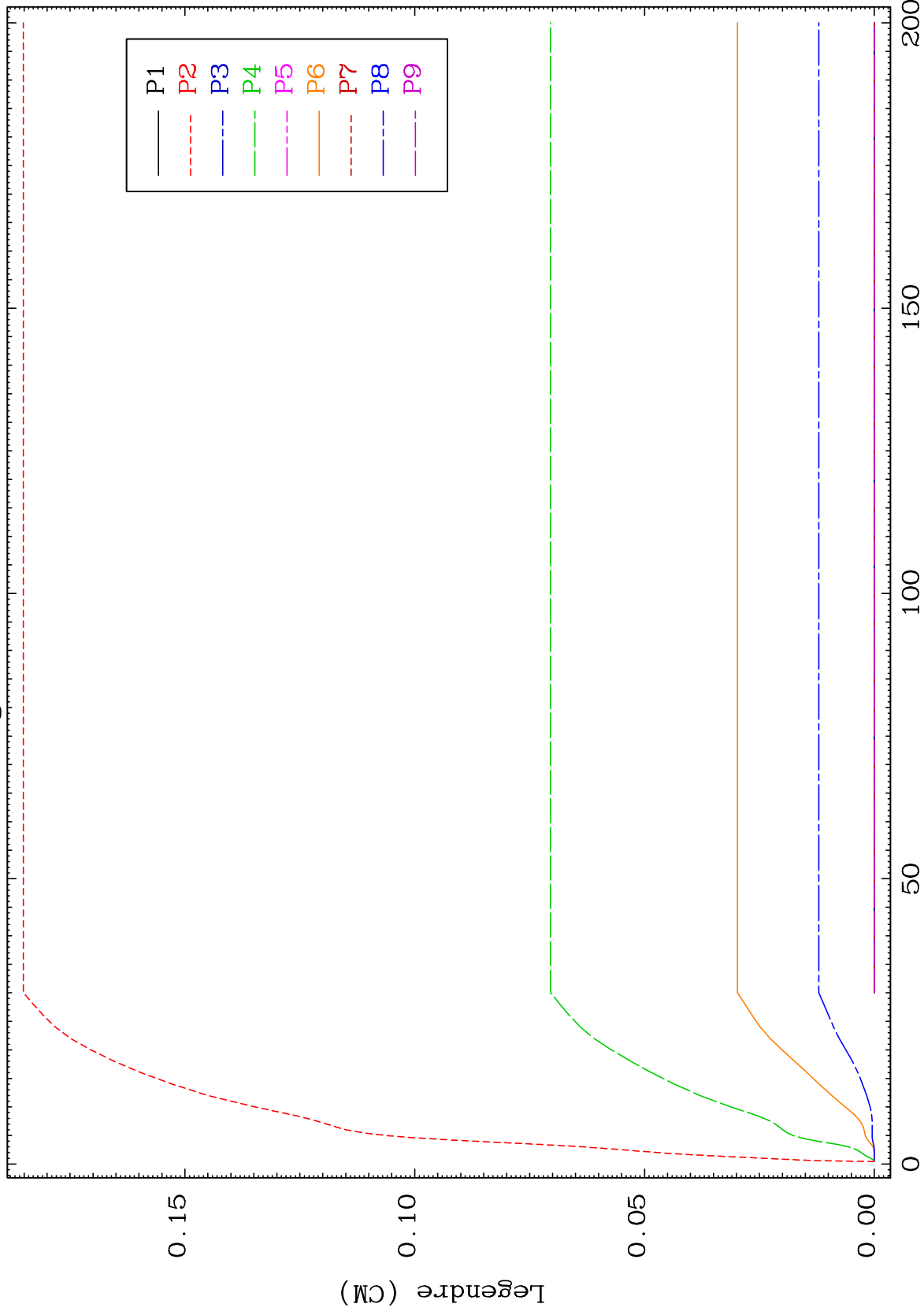




MAT 5310

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

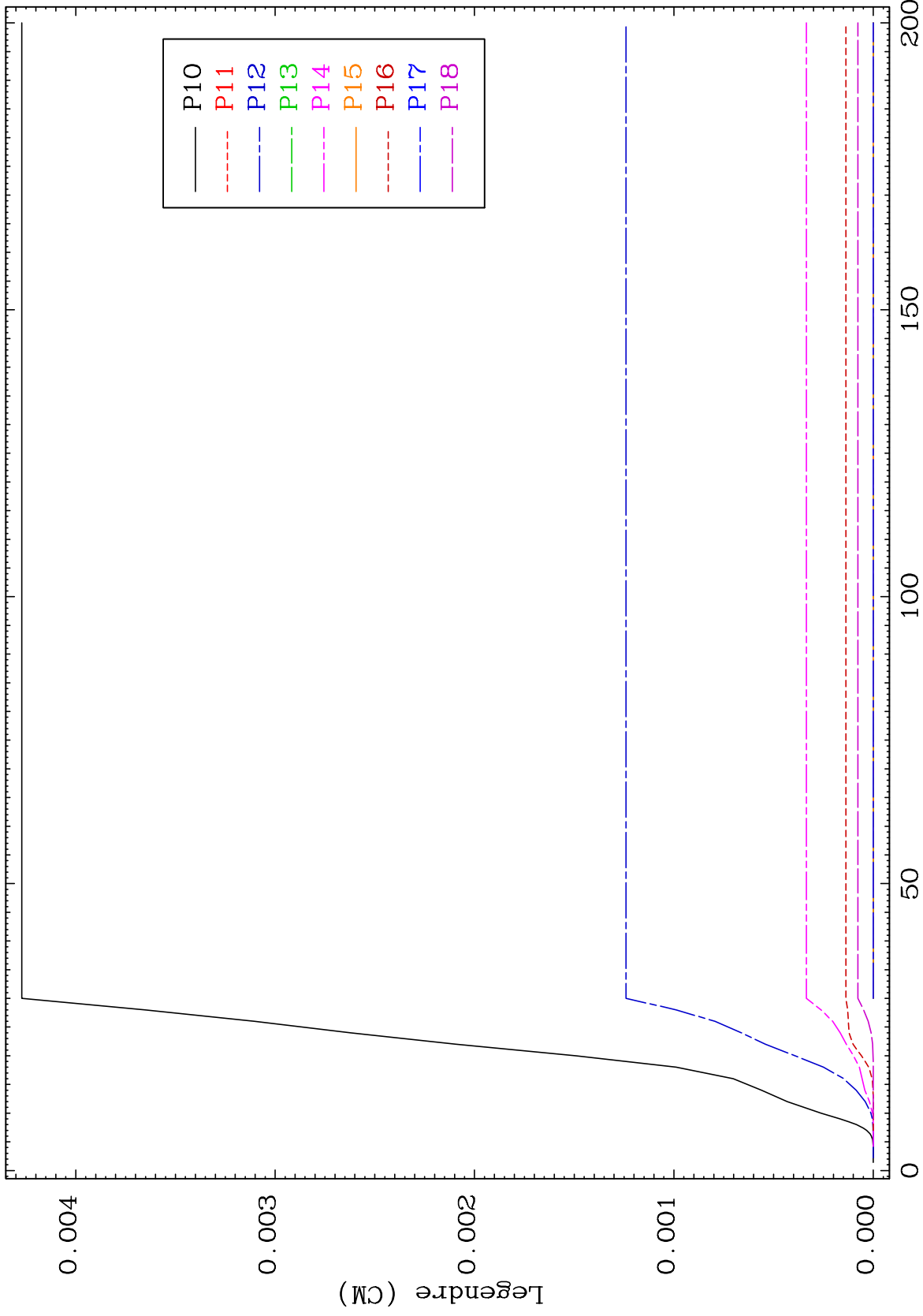
53-I -122



87

Incident Energy (MeV)

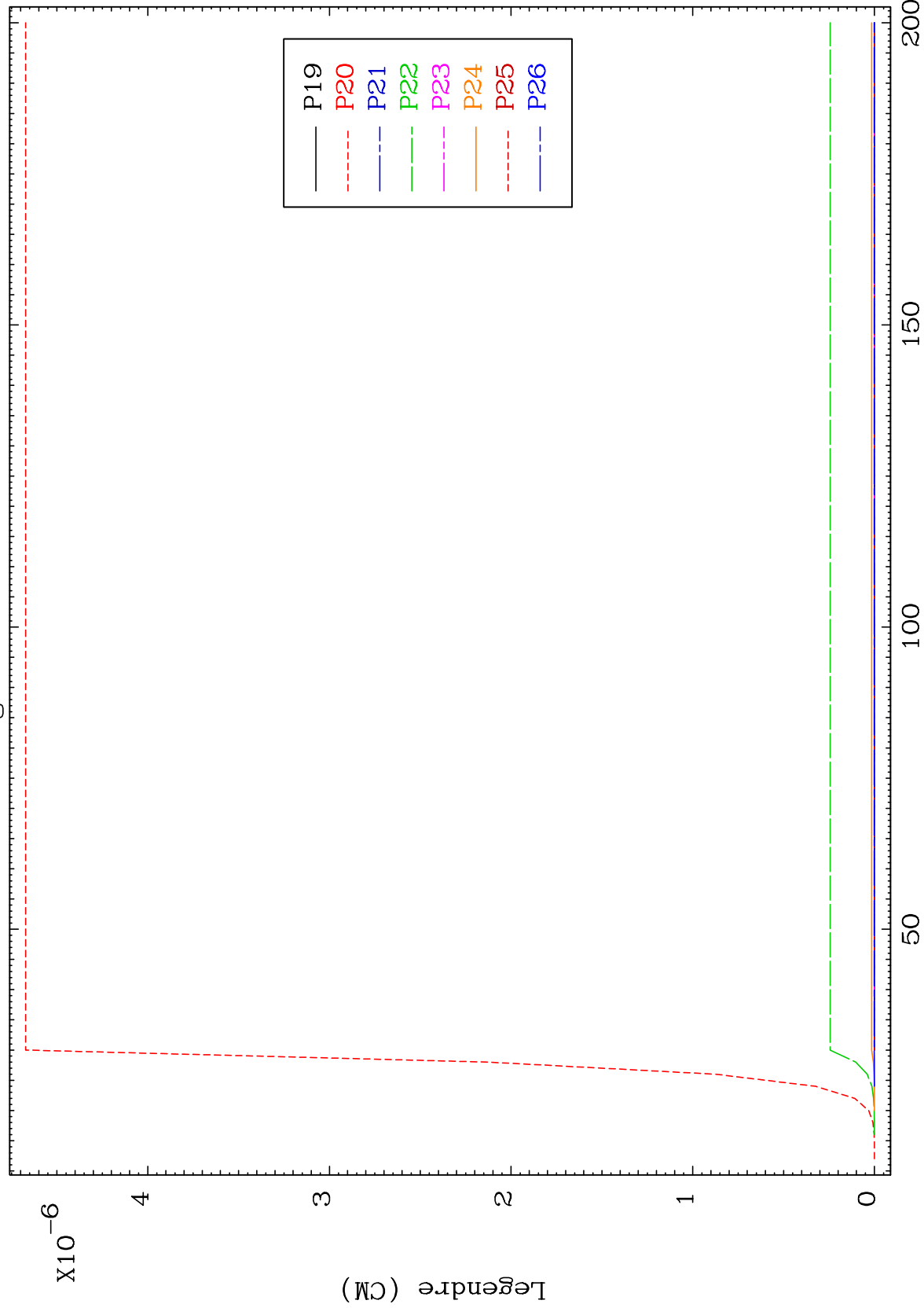
53-I -122



MAT 5310

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

53-I -122



89

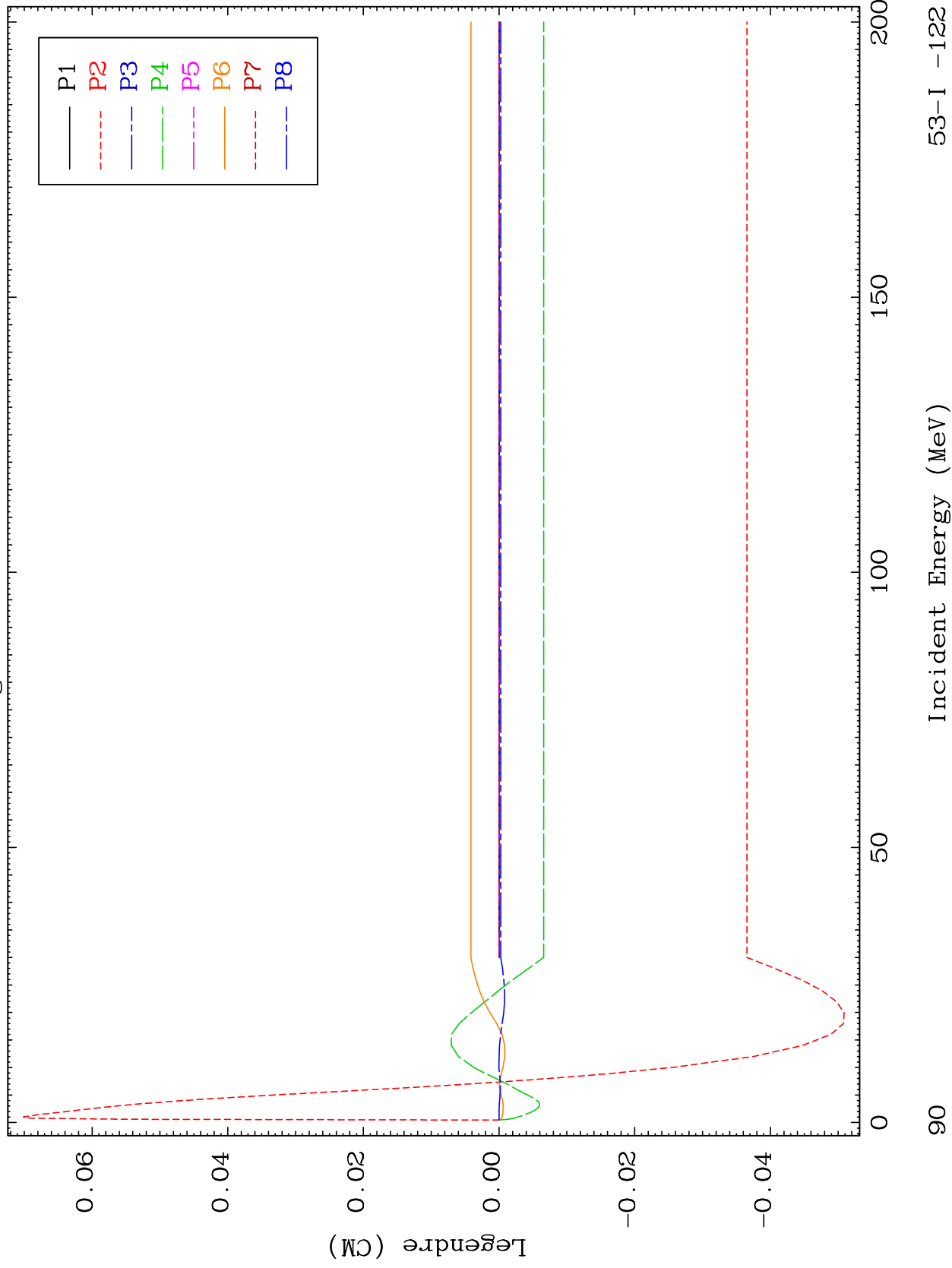
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



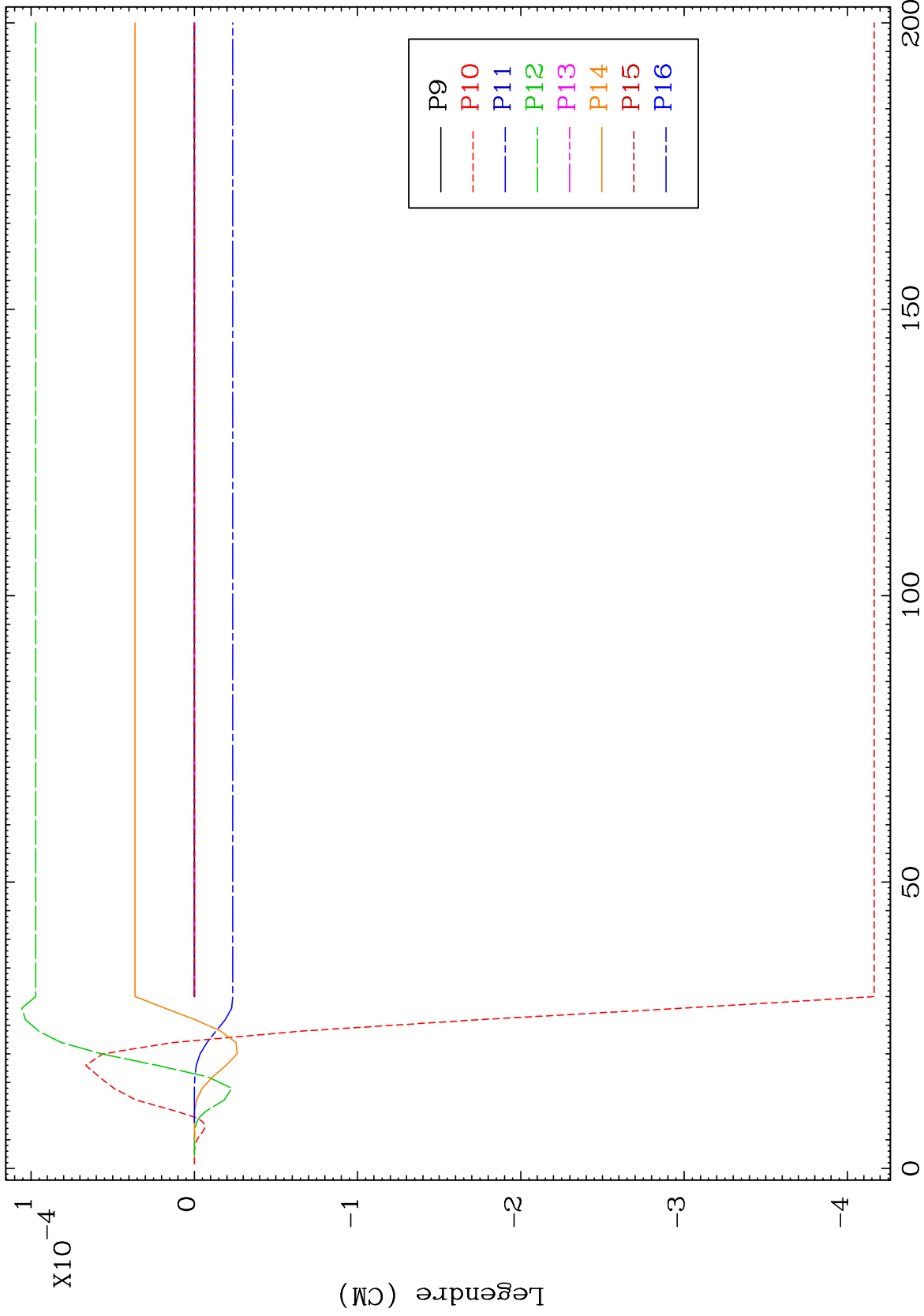
53-I -122

MAT 5310

MT= 72 (n,n') Level

53-I -122

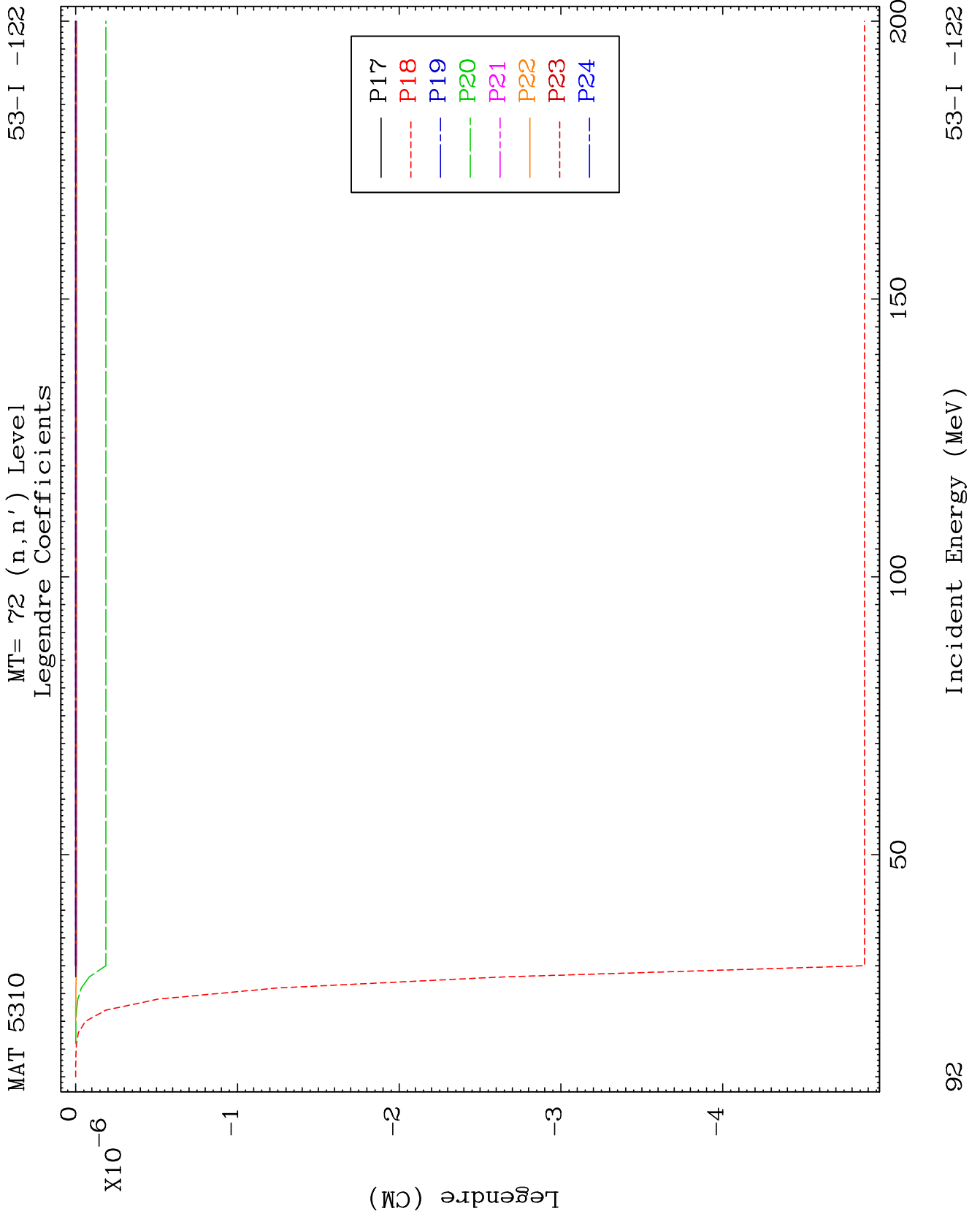
Legendre Coefficients



91

Incident Energy (MeV)

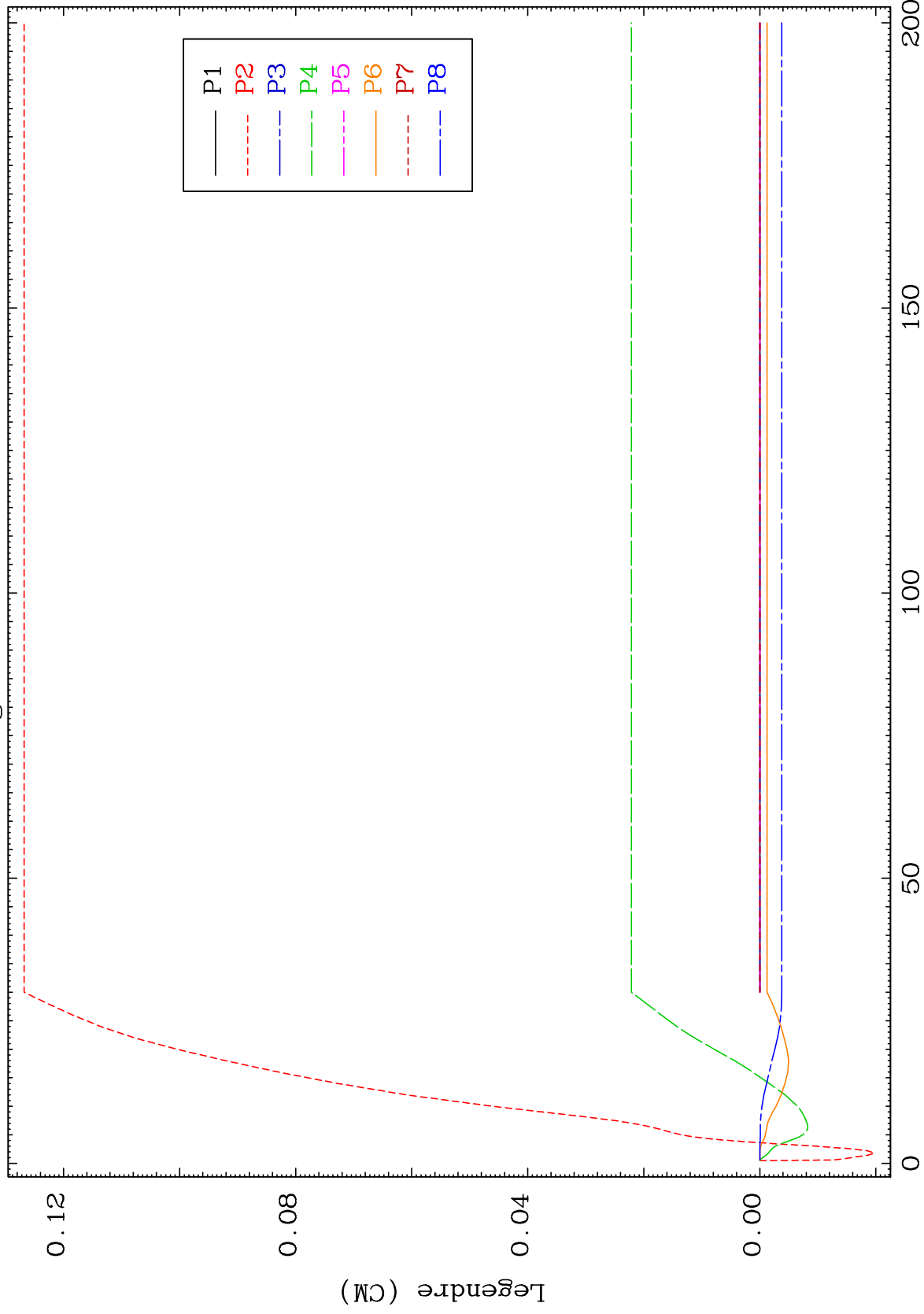
53-I -122



MAT 5310

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

53-I -122



93

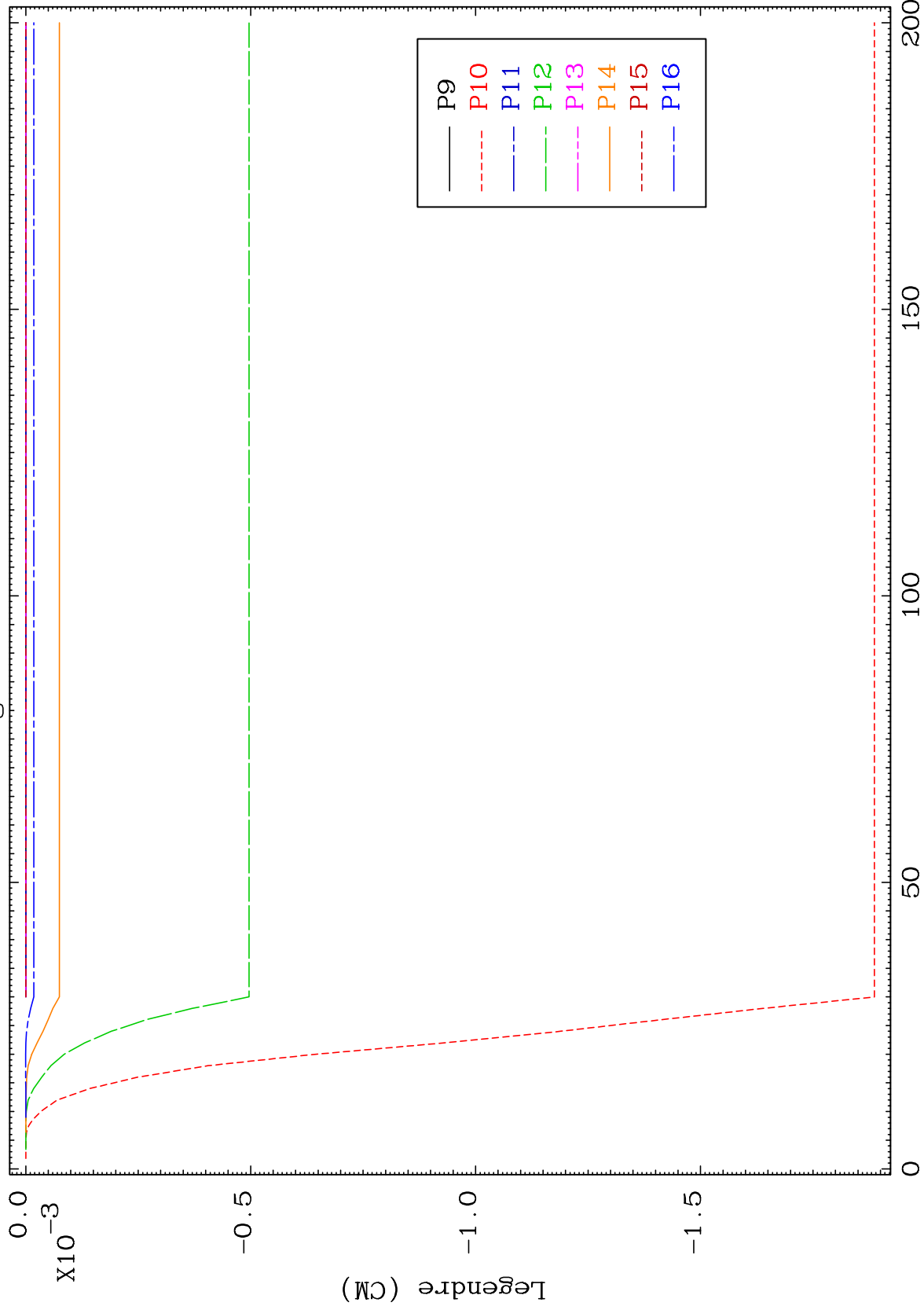
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



94

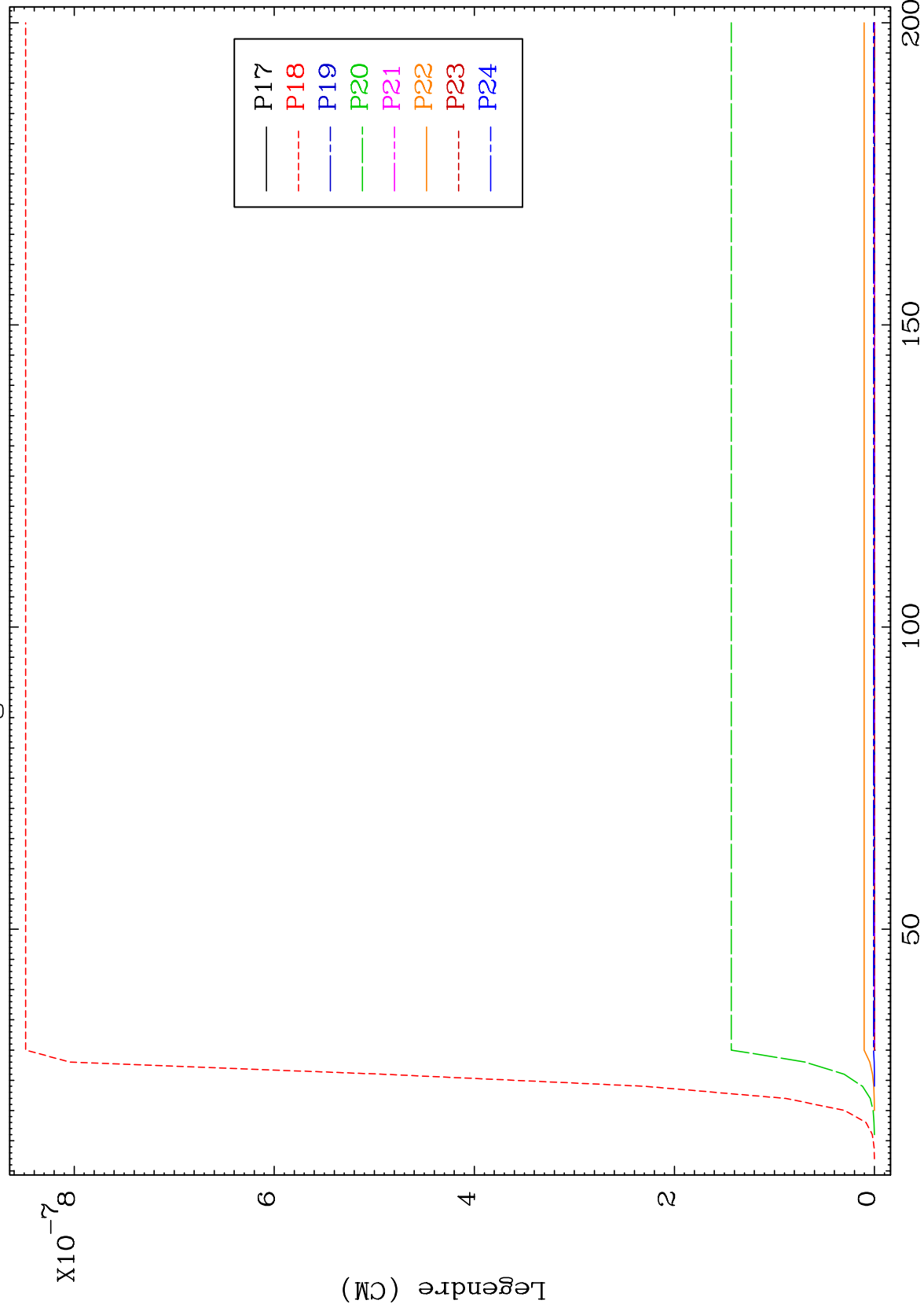
Incident Energy (MeV)

53-I -122

MAT 5310

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

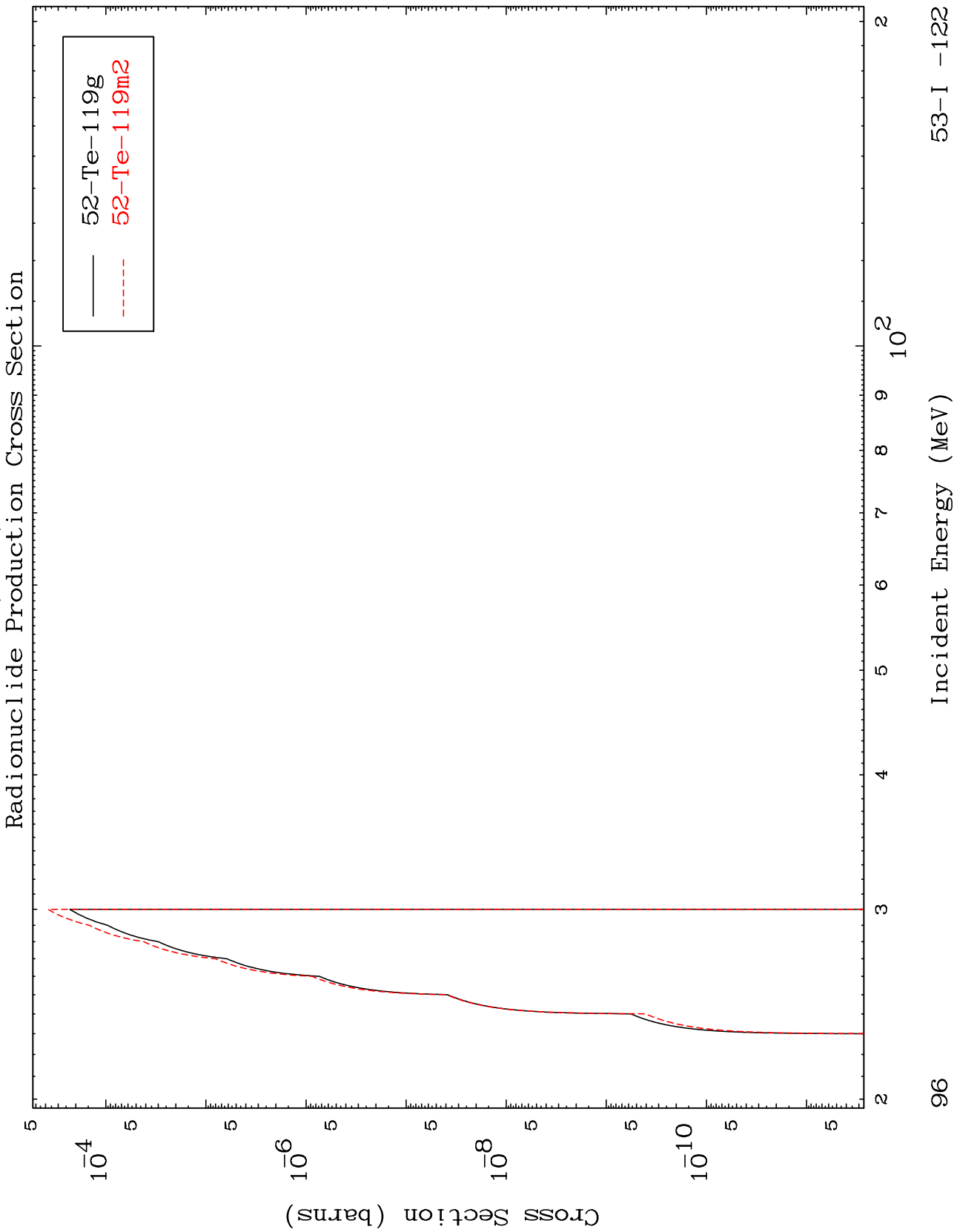
53-I -122



95

Incident Energy (MeV)

53-I -122

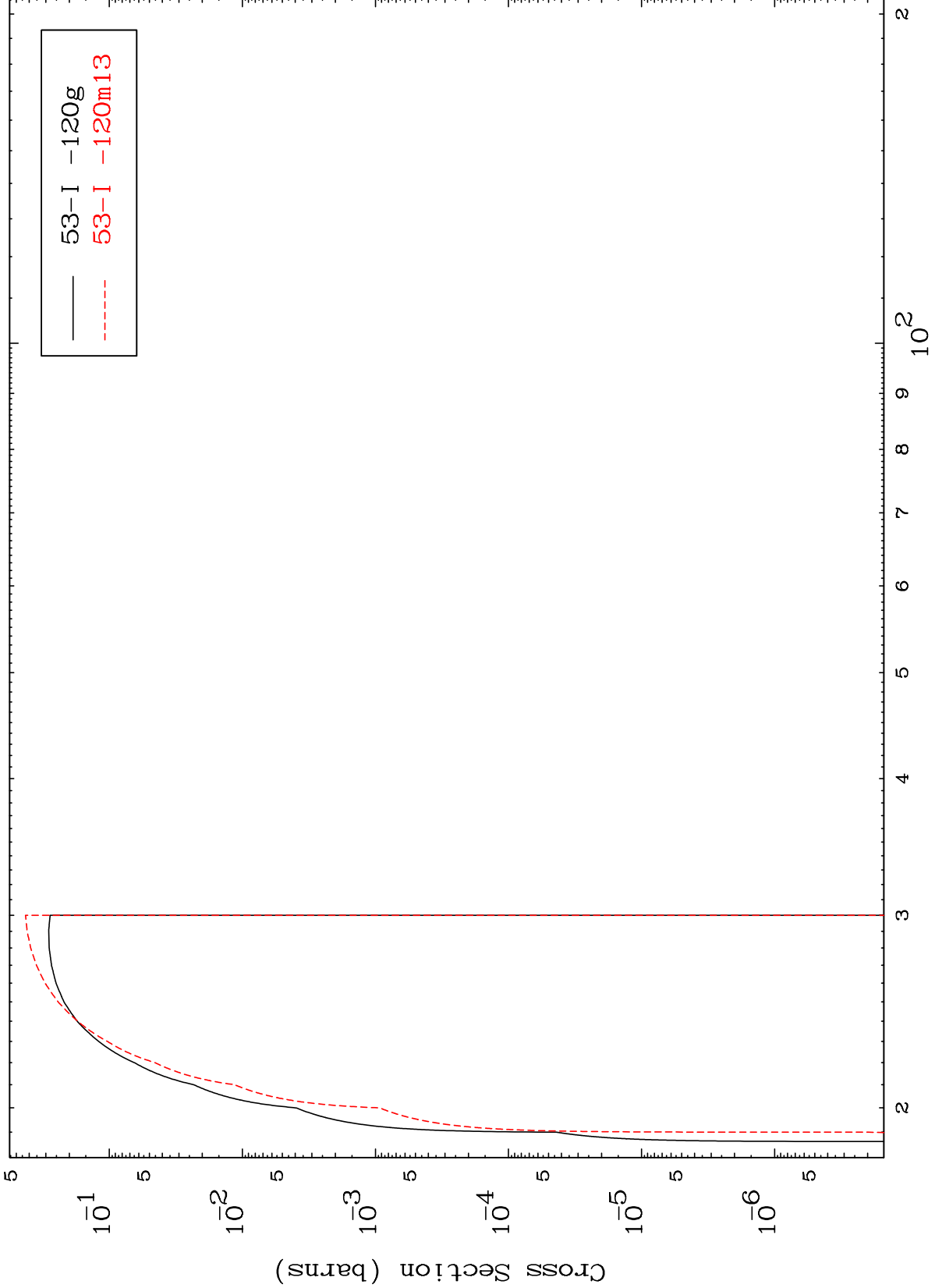


MAT 5310

(n,3n)

53-I -122

Radionuclide Production Cross Section



53-I -120g
53-I -120m13

97

Incident Energy (MeV)

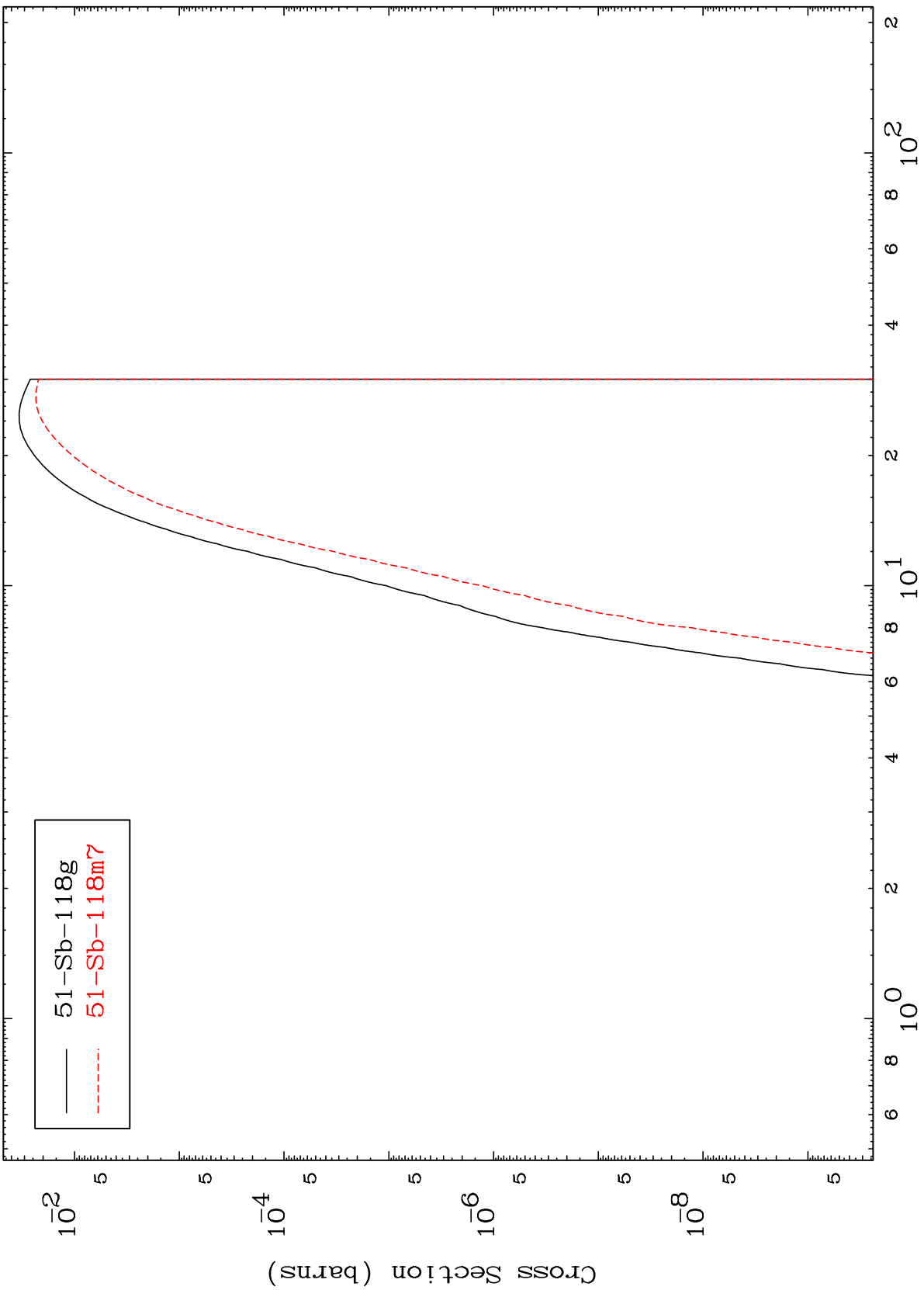
53-I -122

MAT 5310

(n,n') α

53-I -122

Radionuclide Production Cross Section



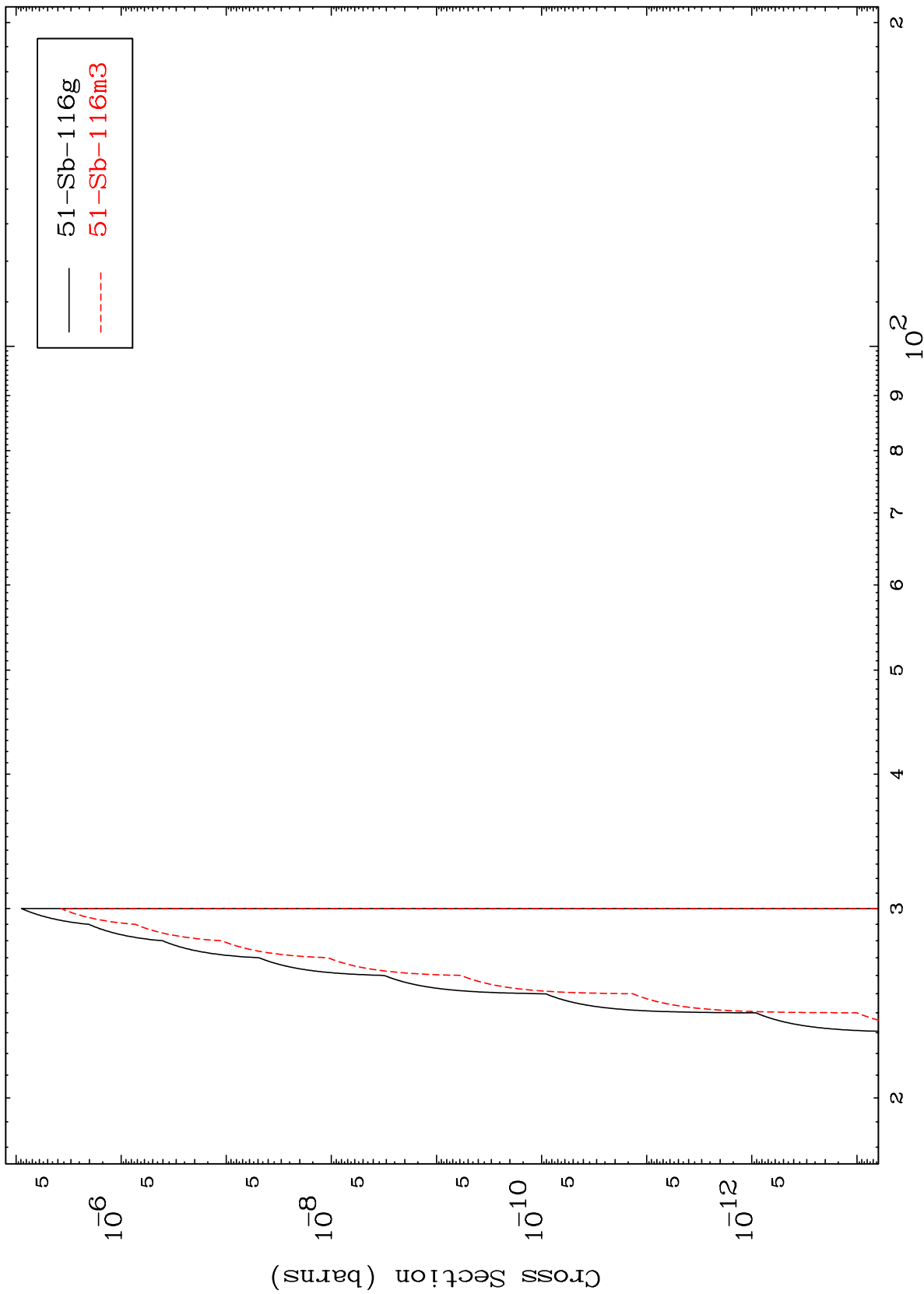
— 51-Sb-118g
- - - 51-Sb-118m7

98

Incident Energy (MeV)

53-I -122

Radionuclide Production Cross Section

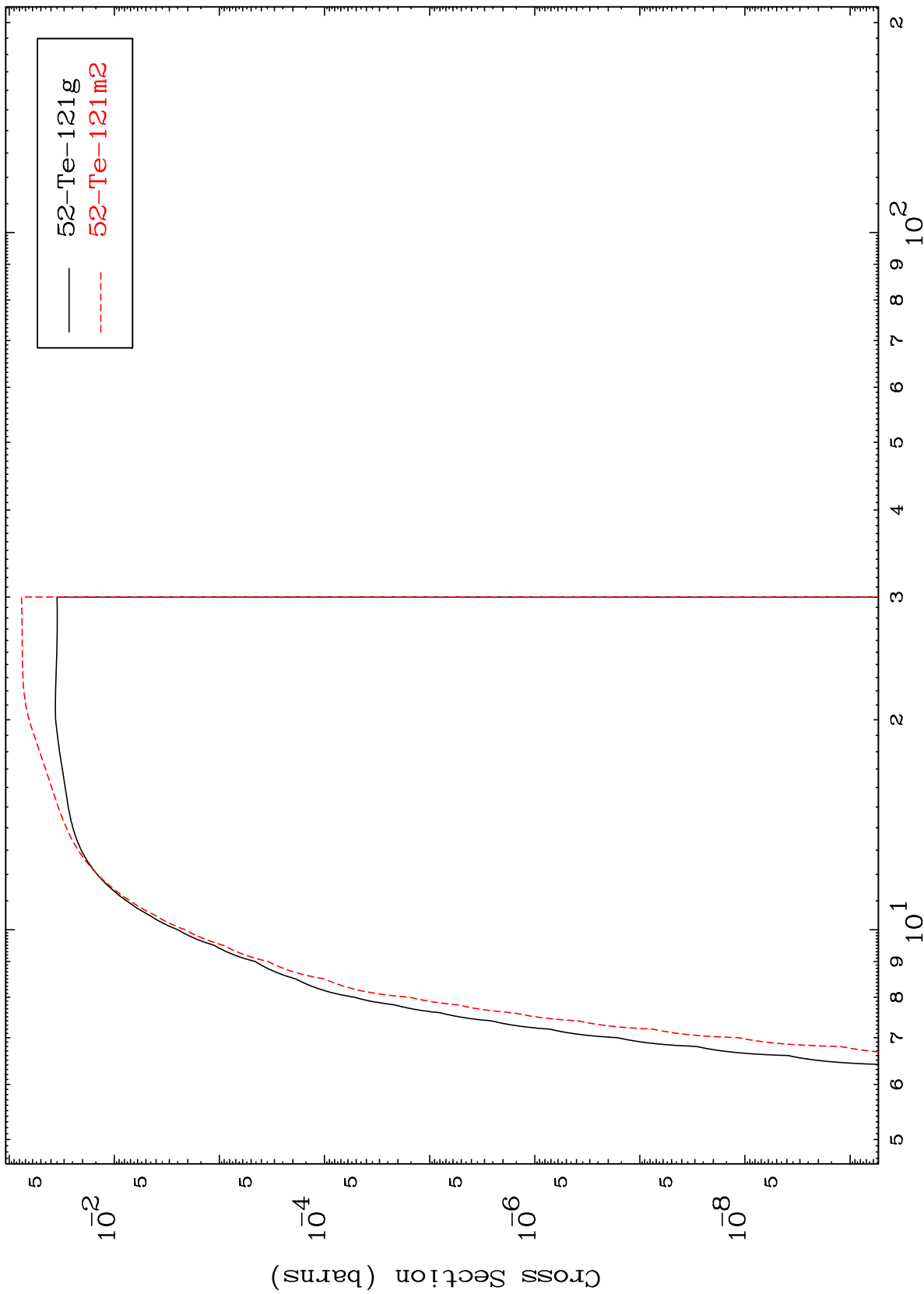


MAT 5310

(n,n') p

53-I -122

Radionuclide Production Cross Section



100

Incident Energy (MeV)

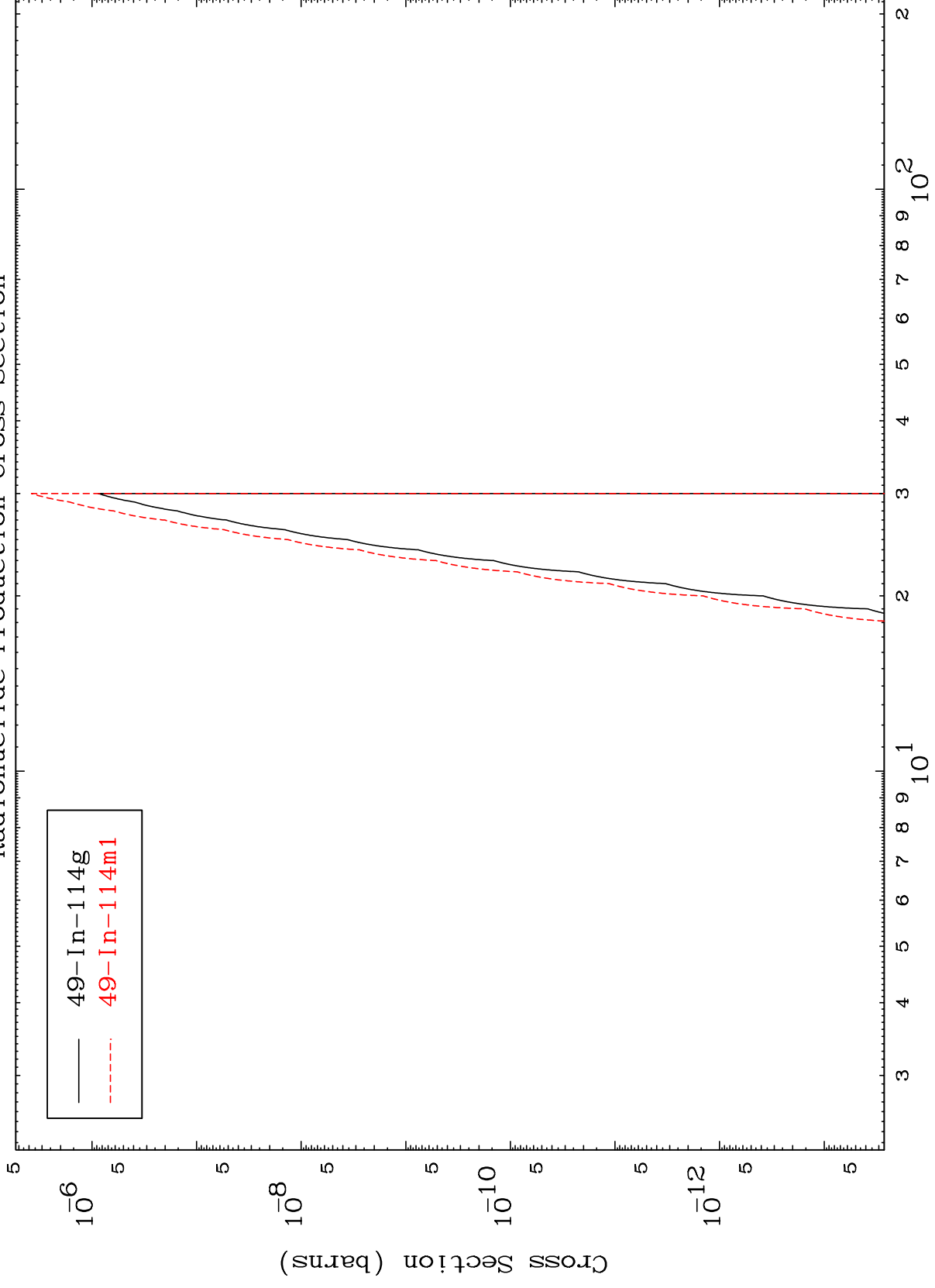
53-I -122

MAT 5310

(n,n') 2α

53-I -122

Radionuclide Production Cross Section



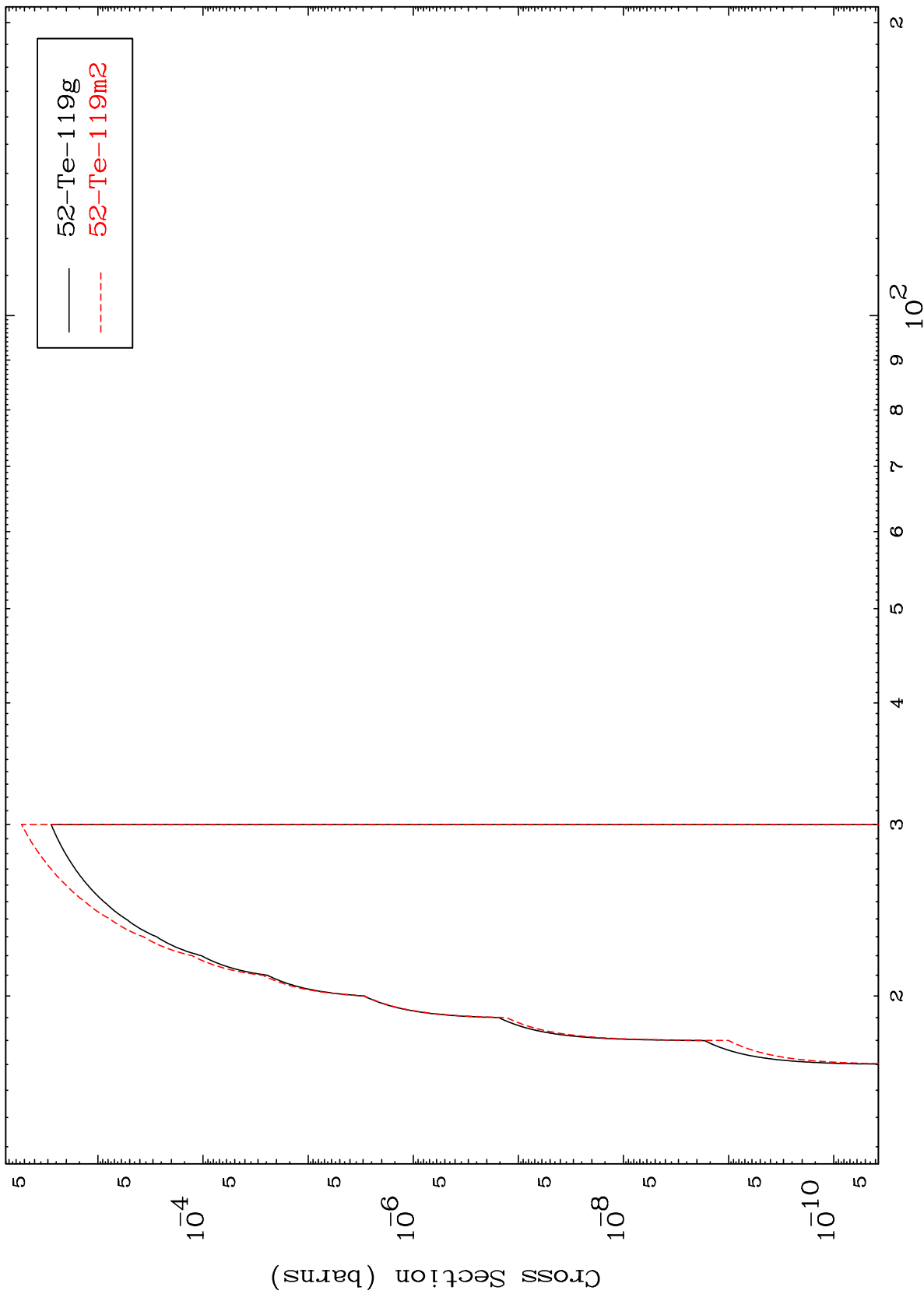
— 49-In-114g
- - - 49-In-114m1

101

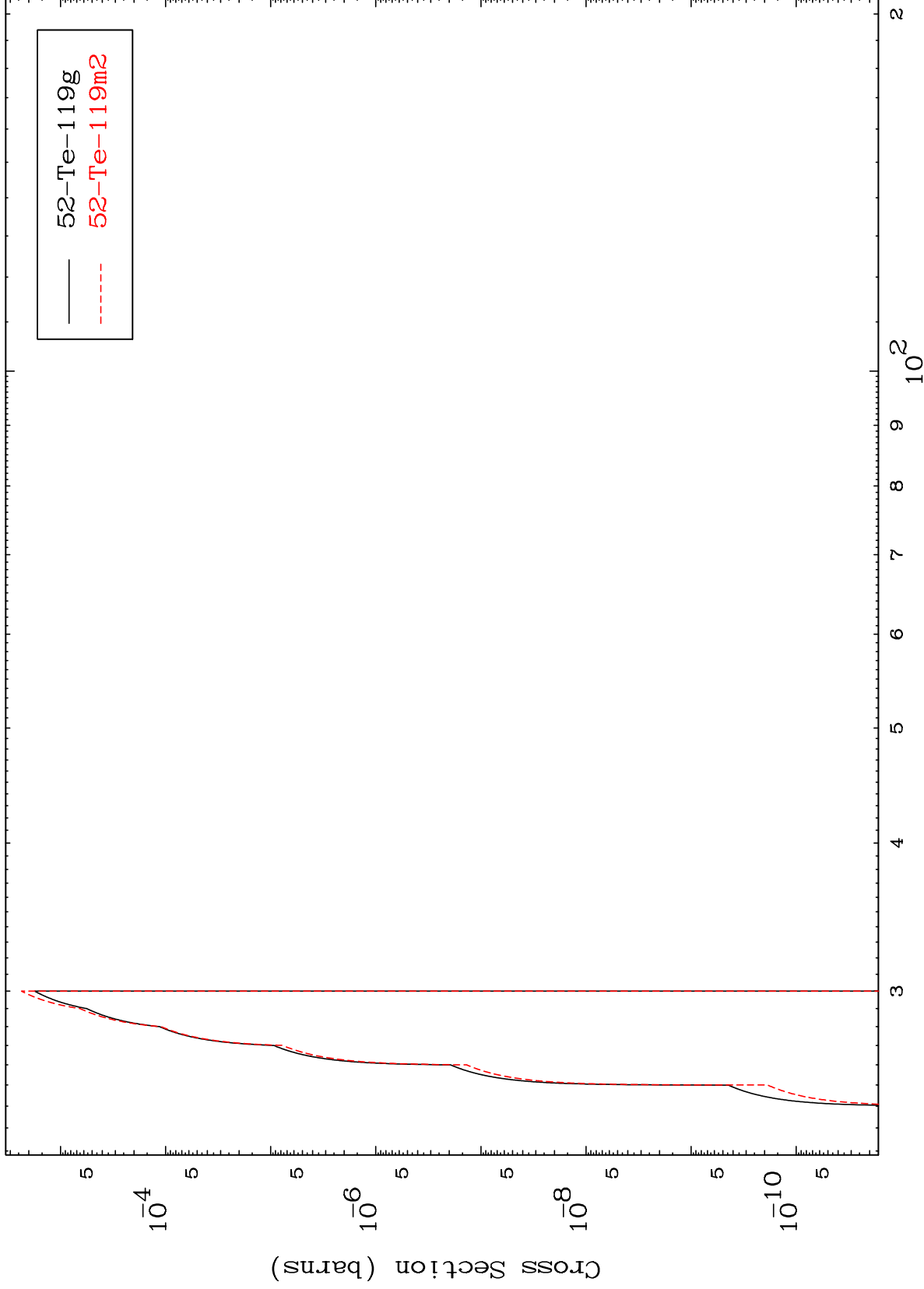
Incident Energy (MeV)

53-I -122

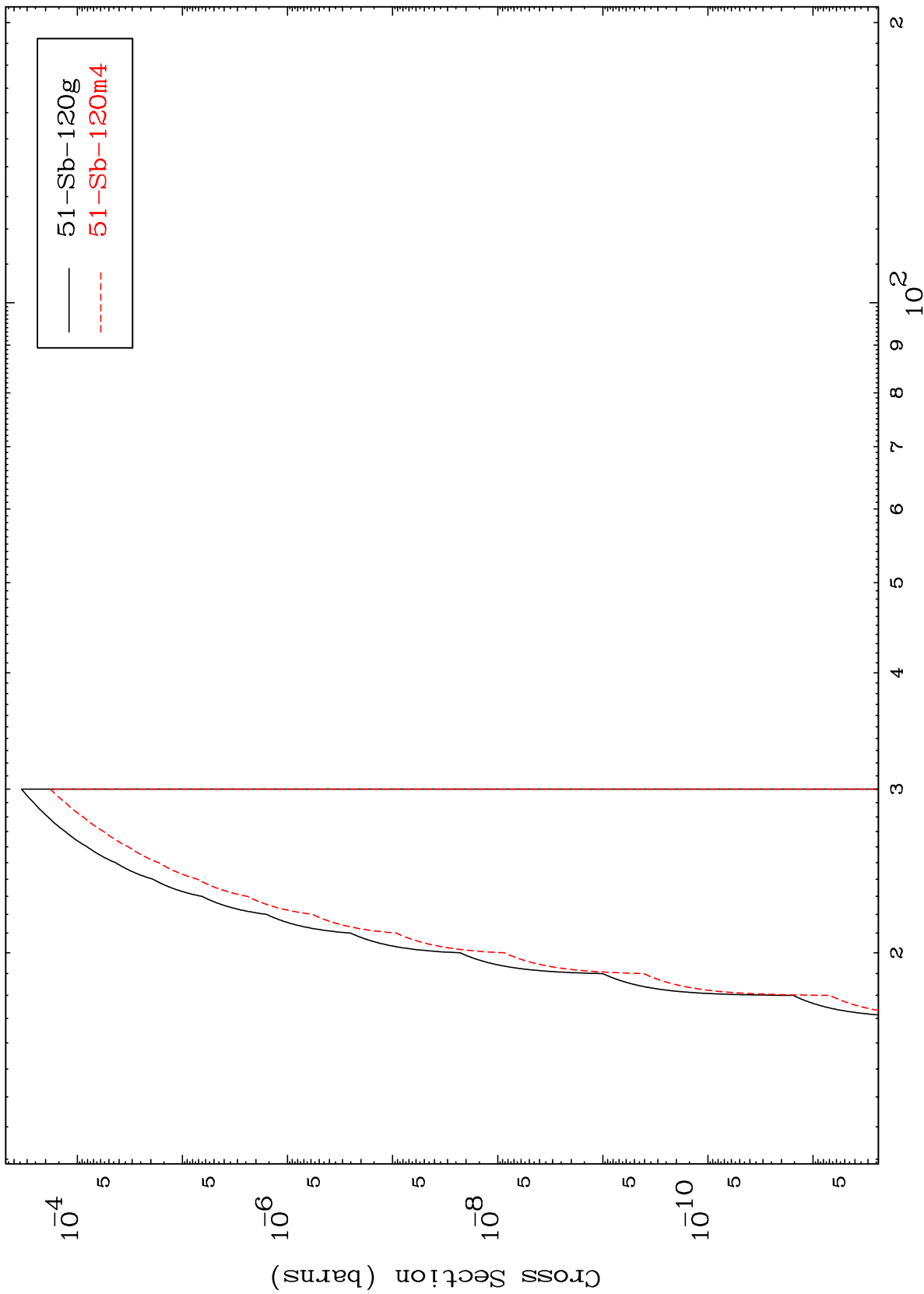
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

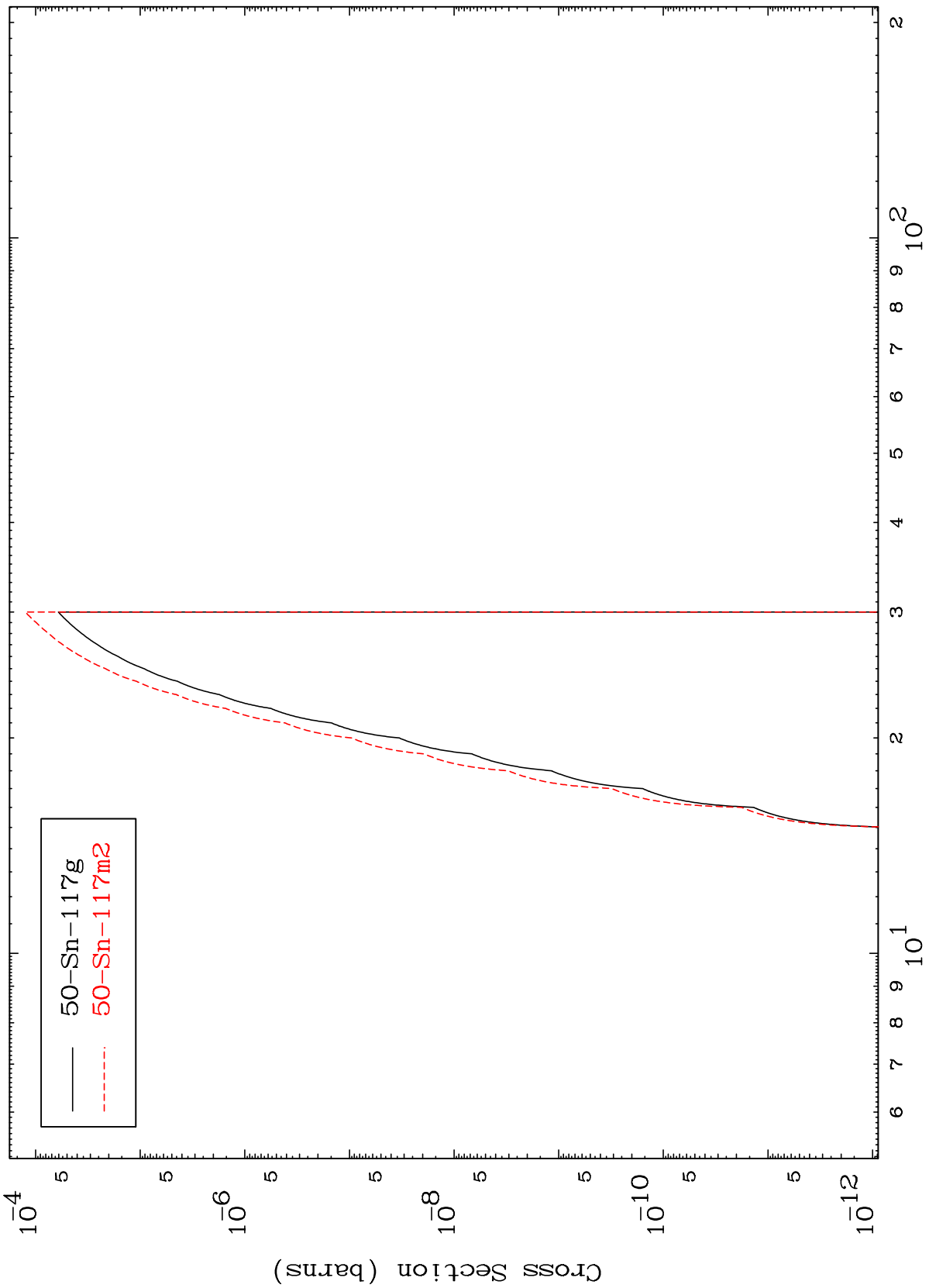


MAT 5310

(n,n') p α

53-I -122

Radionuclide Production Cross Section



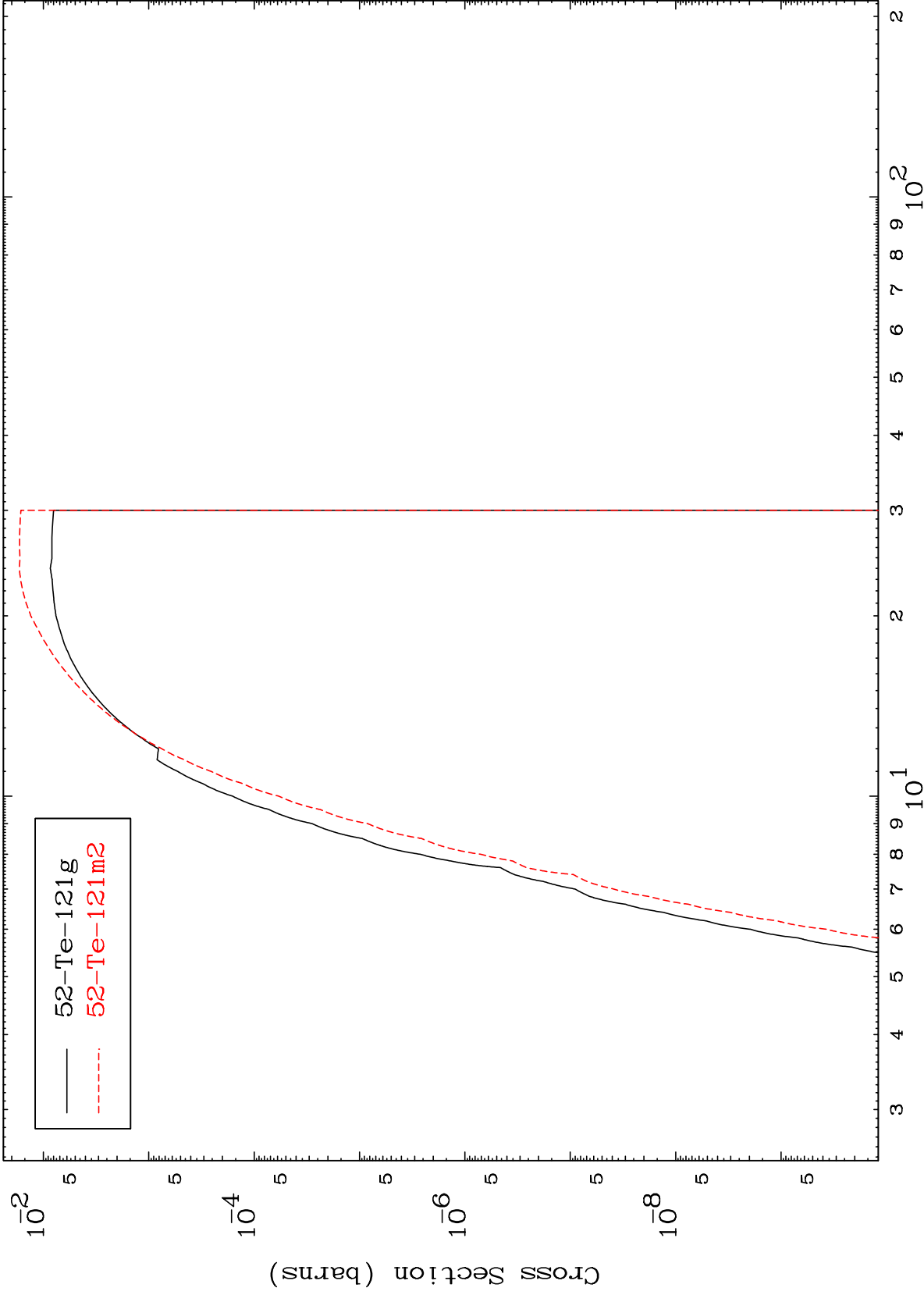
50-Sn-117g
50-Sn-117m2

105

Incident Energy (MeV)

53-I -122

(n,d)
Radionuclide Production Cross Section

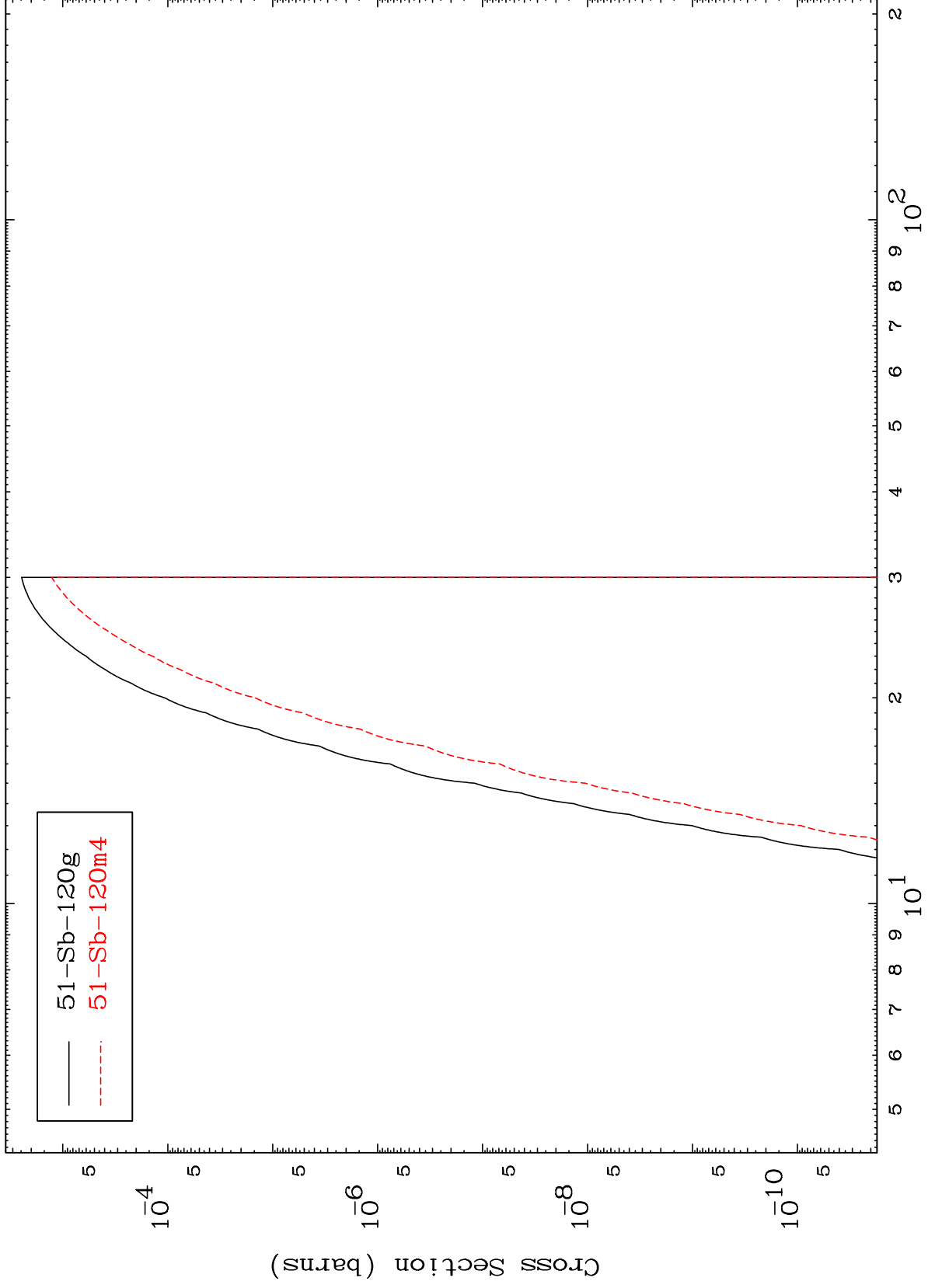


MAT 5310

(n,He-3)

53-I -122

Radionuclide Production Cross Section



107

Incident Energy (MeV)

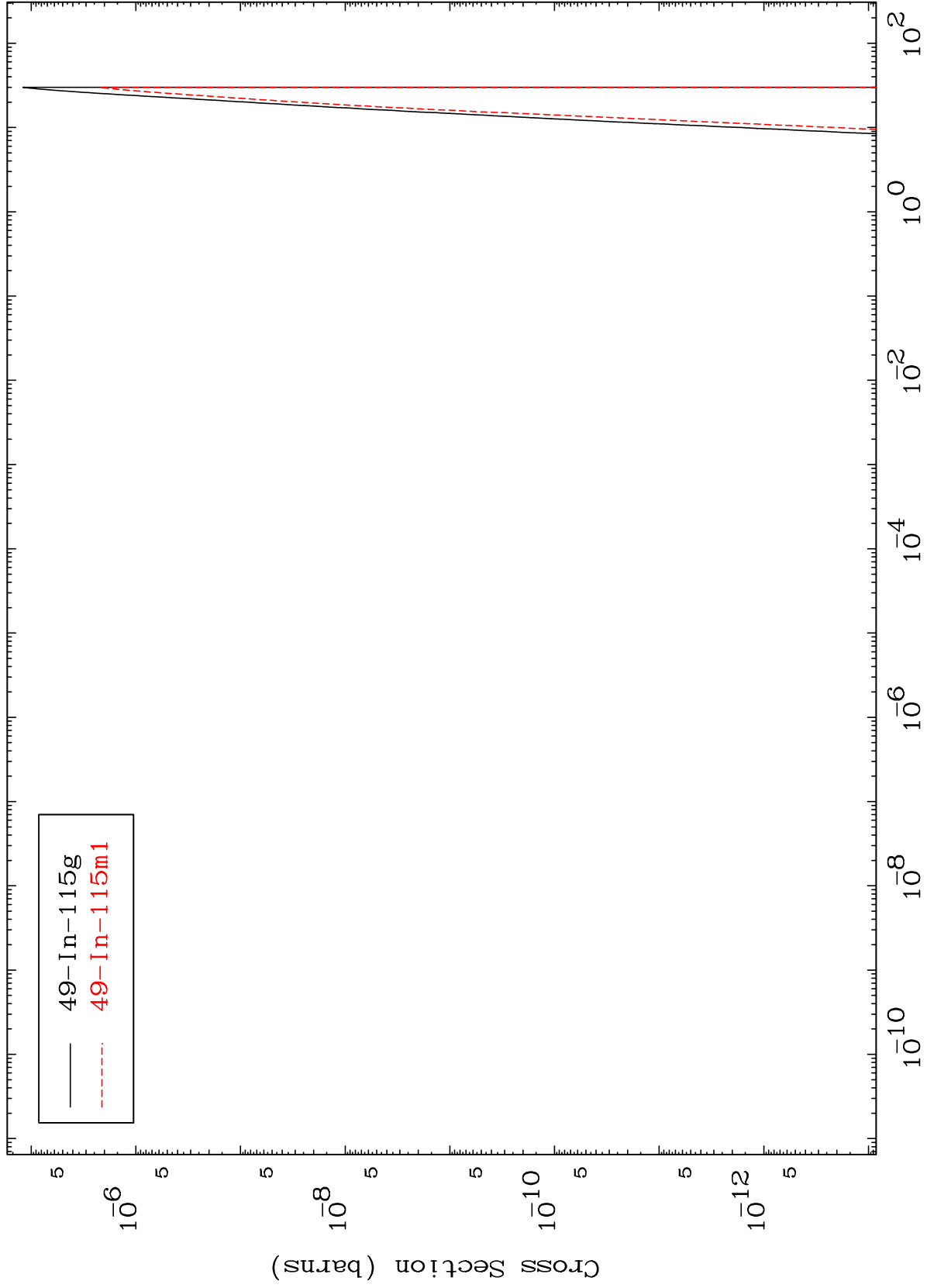
53-I -122

MAT 5310

(n,2α)

53-I -122

Radionuclide Production Cross Section



108

Incident Energy (MeV)

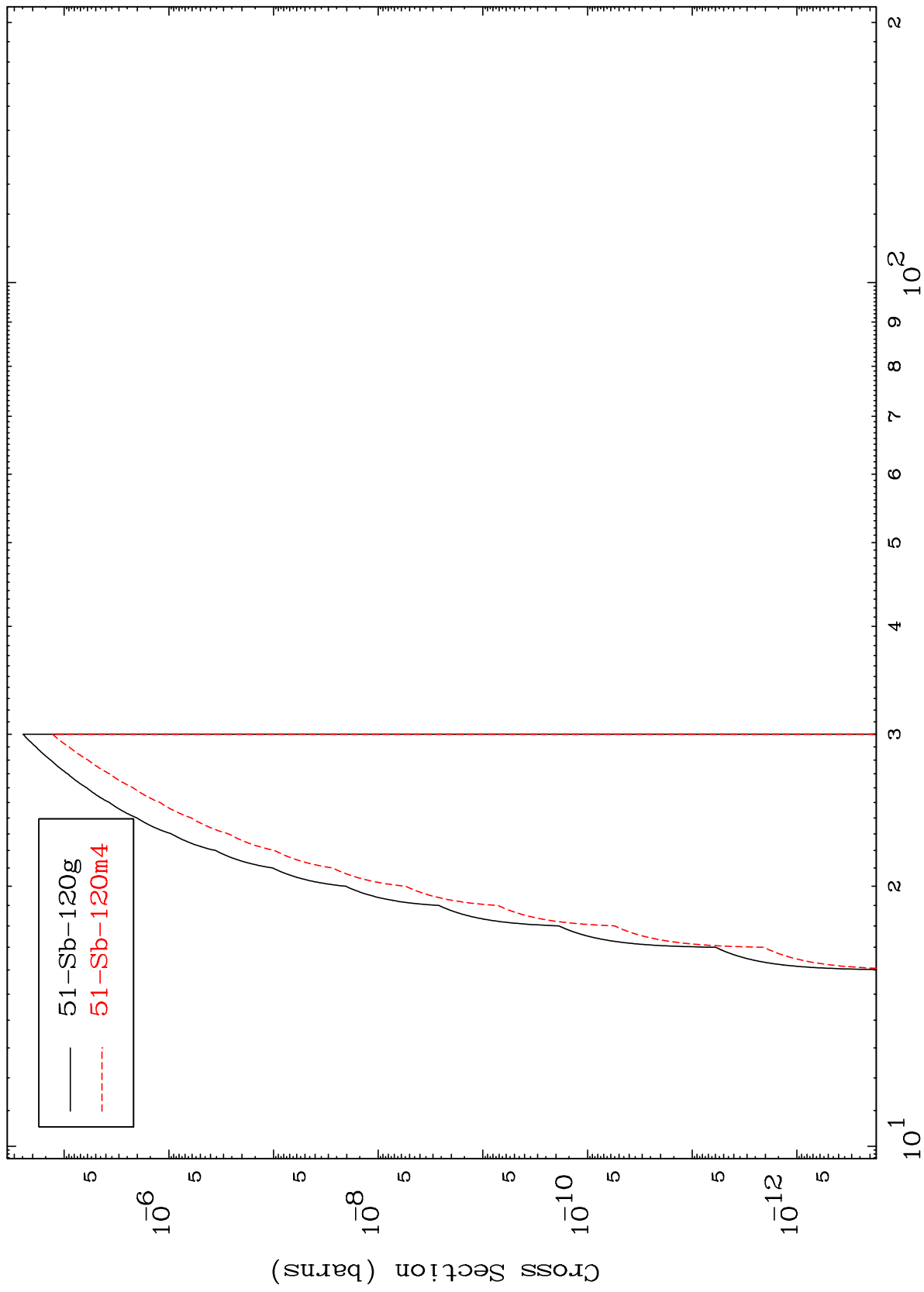
53-I -122

MAT 5310

(n,p) d

53-I -122

Radionuclide Production Cross Section



Incident Energy (MeV)

53-I -122

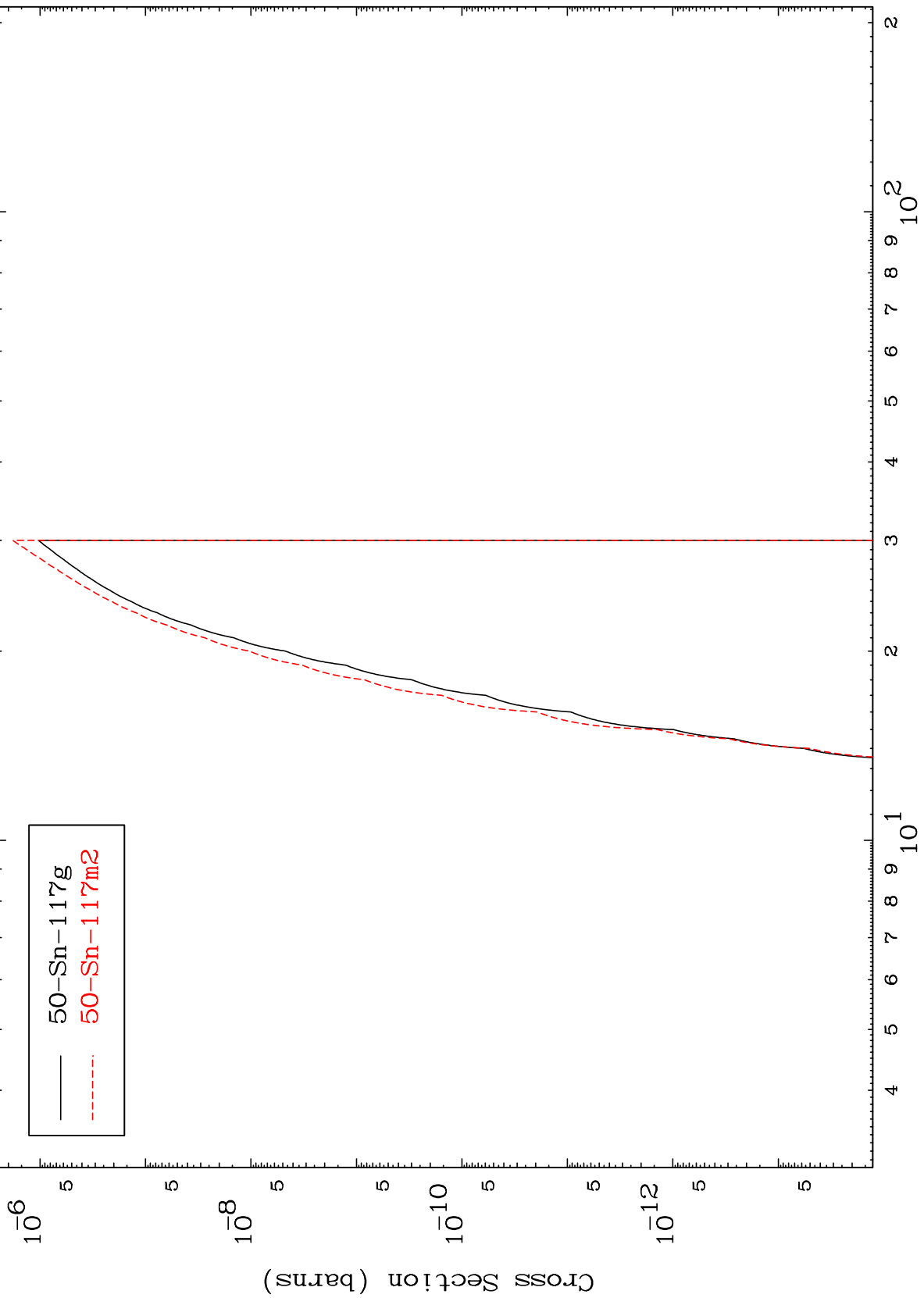
109

MAT 5310

(n,d) α

53-I -122

Radionuclide Production Cross Section



— 50-Sn-117g
- - - 50-Sn-117m2

110

Incident Energy (MeV)

53-I -122