

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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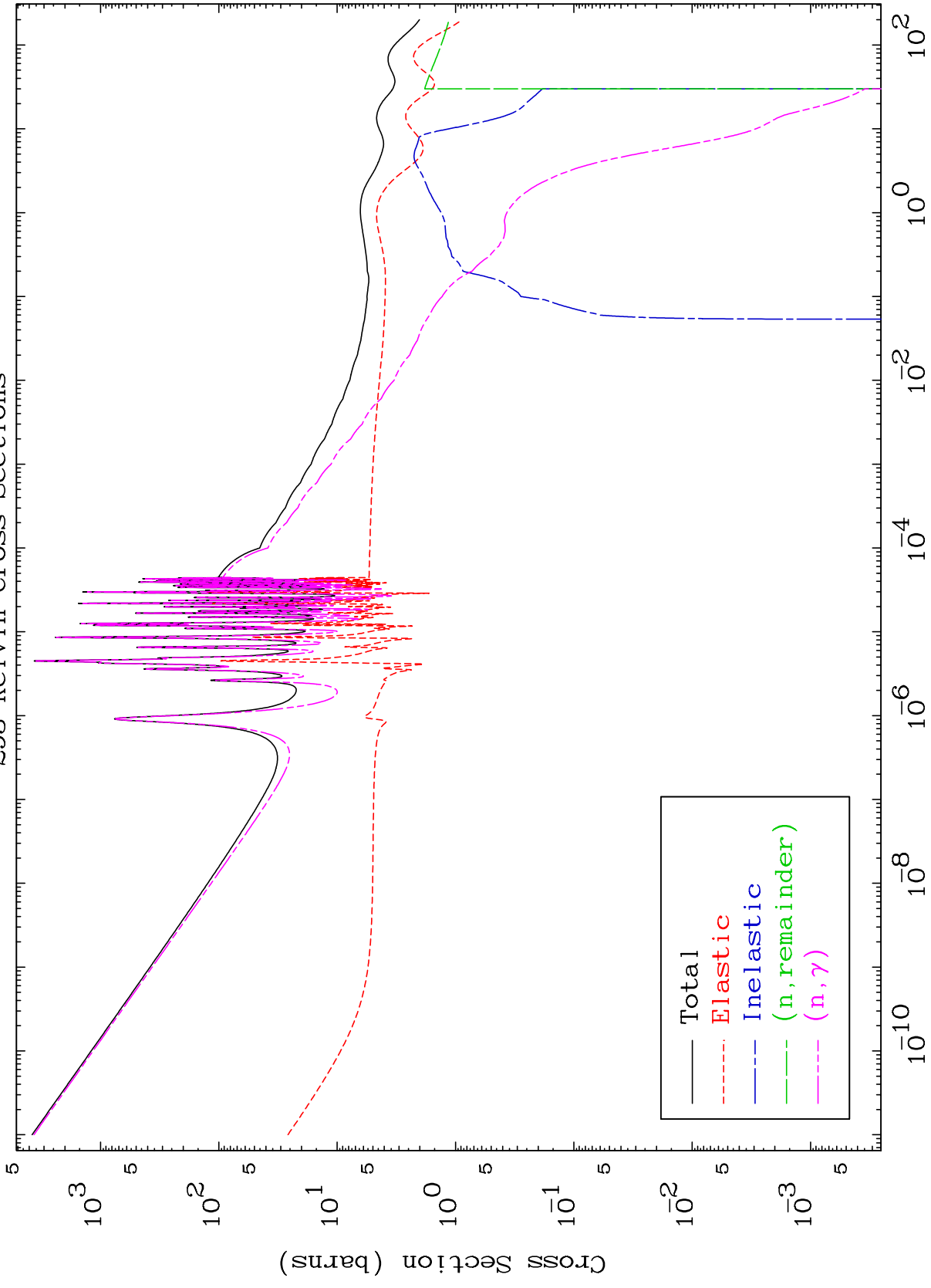
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5310

Major  
293 Kelvin Cross Sections

53-I -122

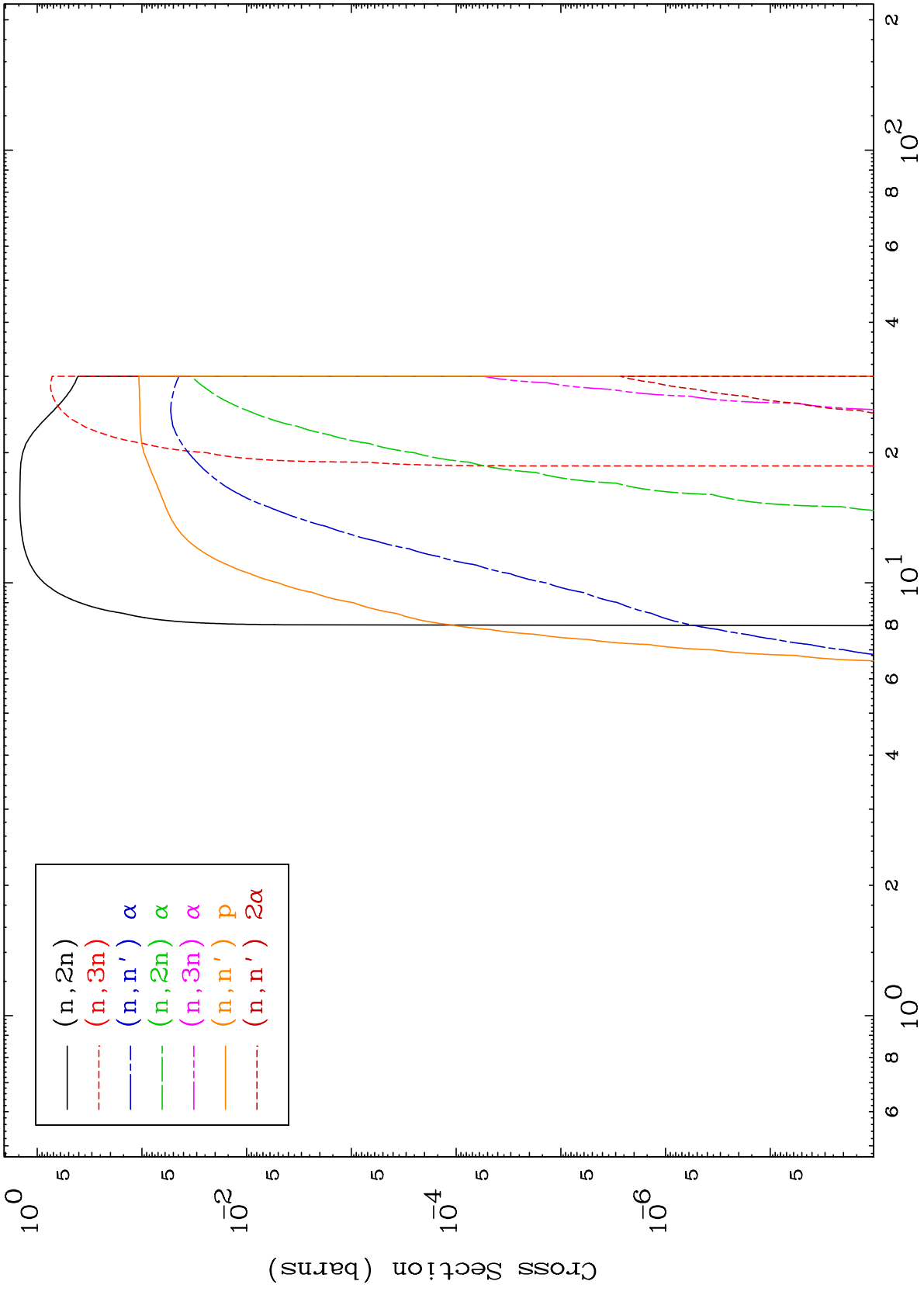


53-I -122

MAT 5310

Neutron Production  
293 Kelvin Cross Sections

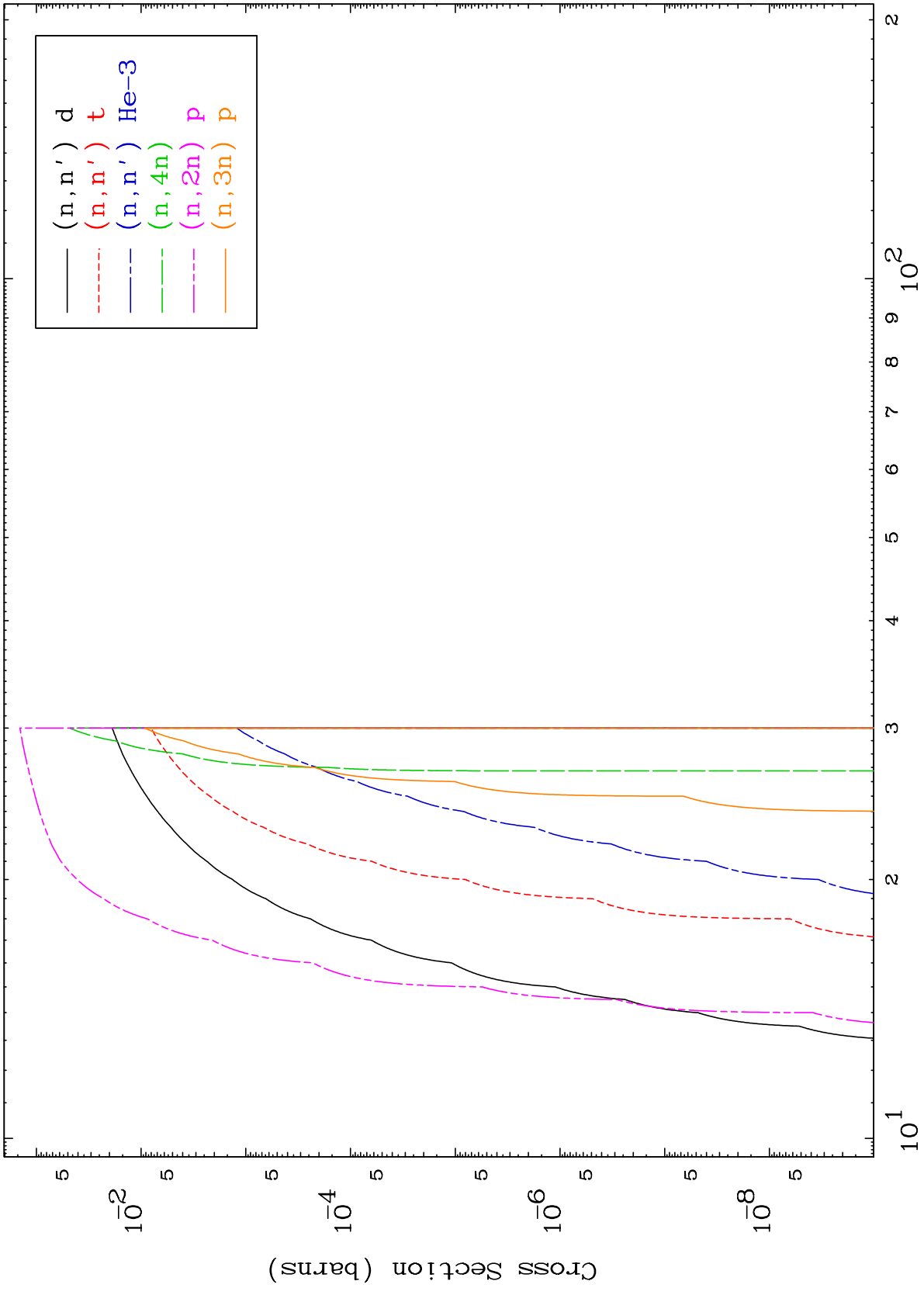
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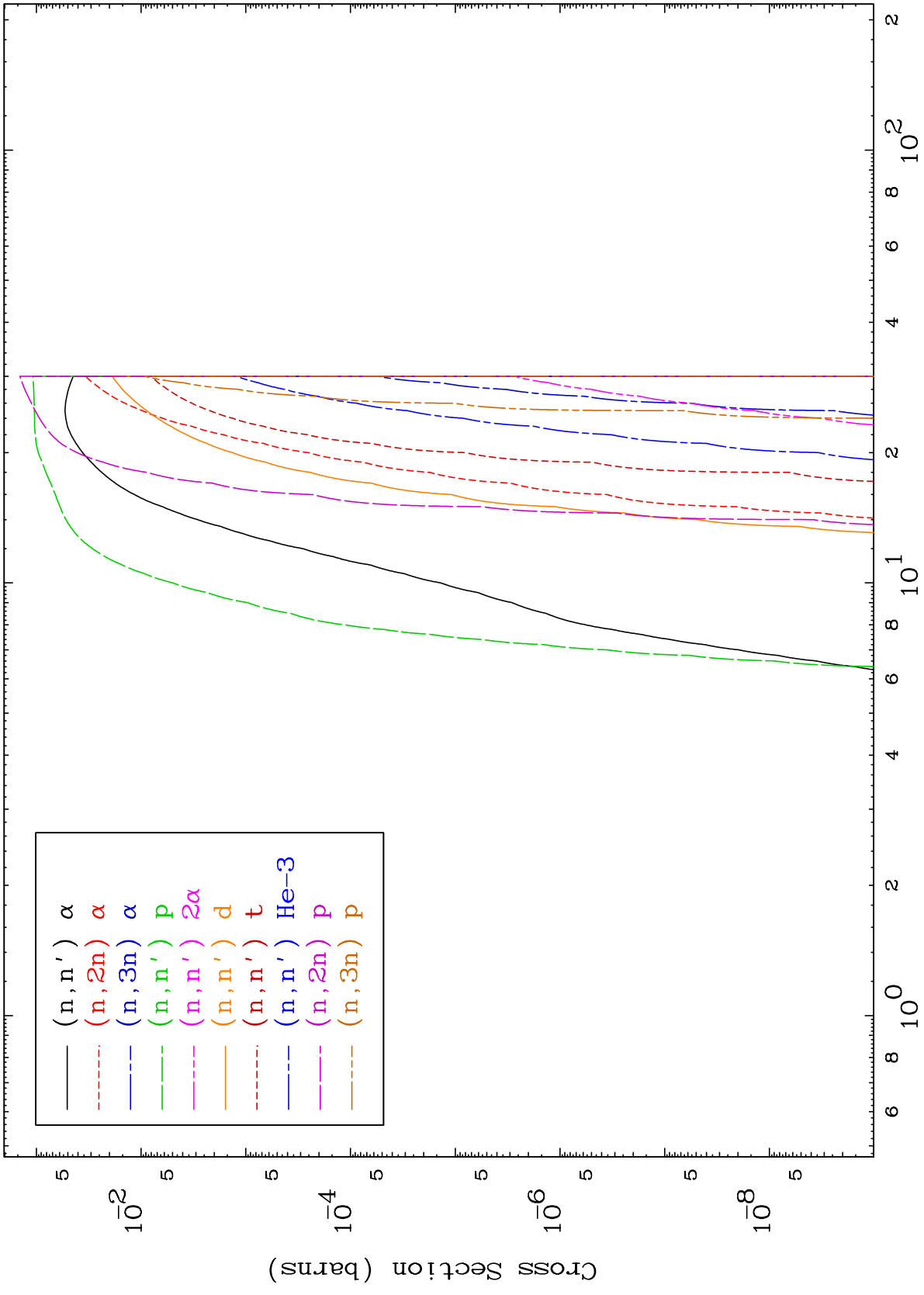


2

Incident Energy (MeV)

53-I -122

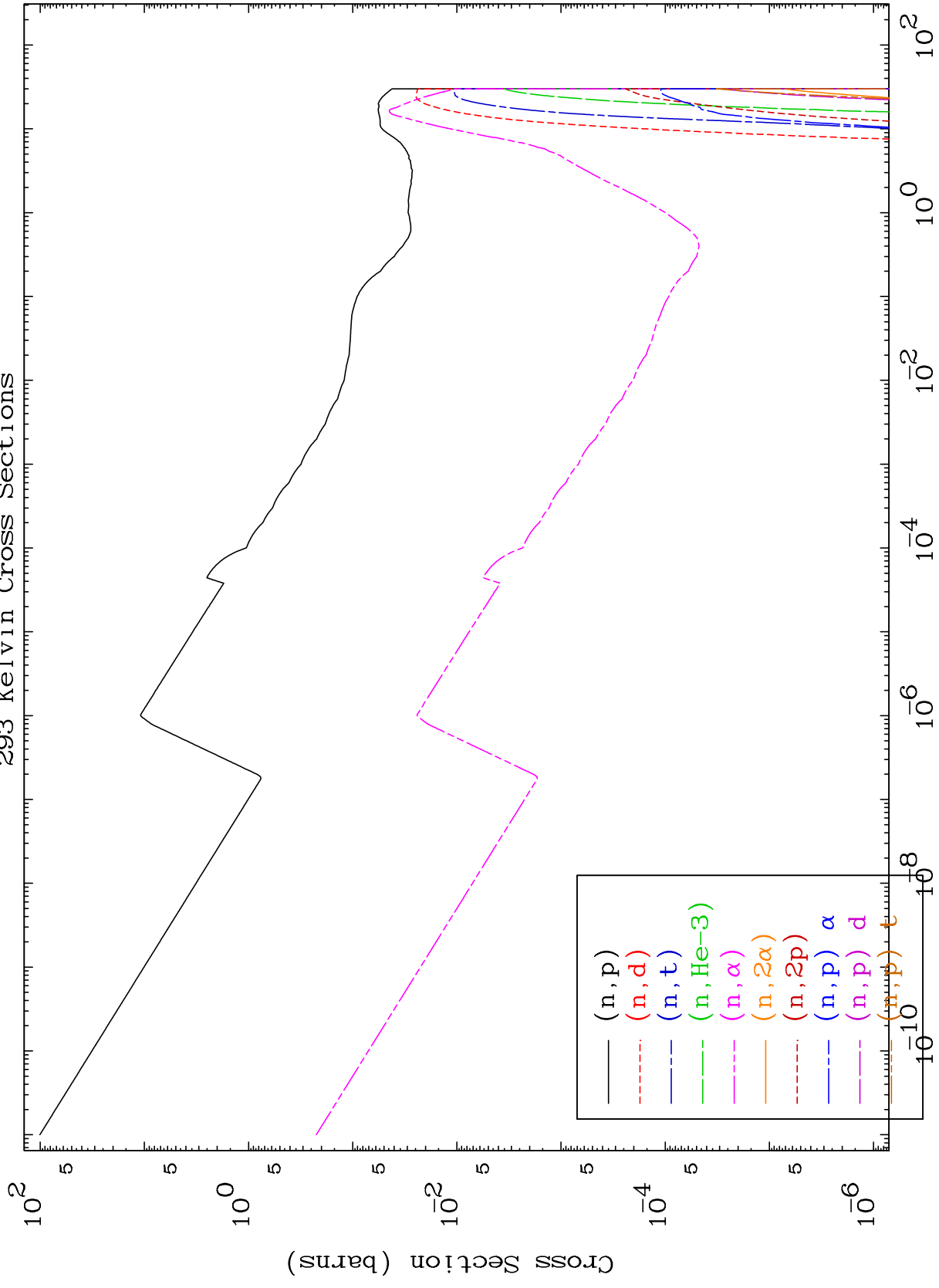


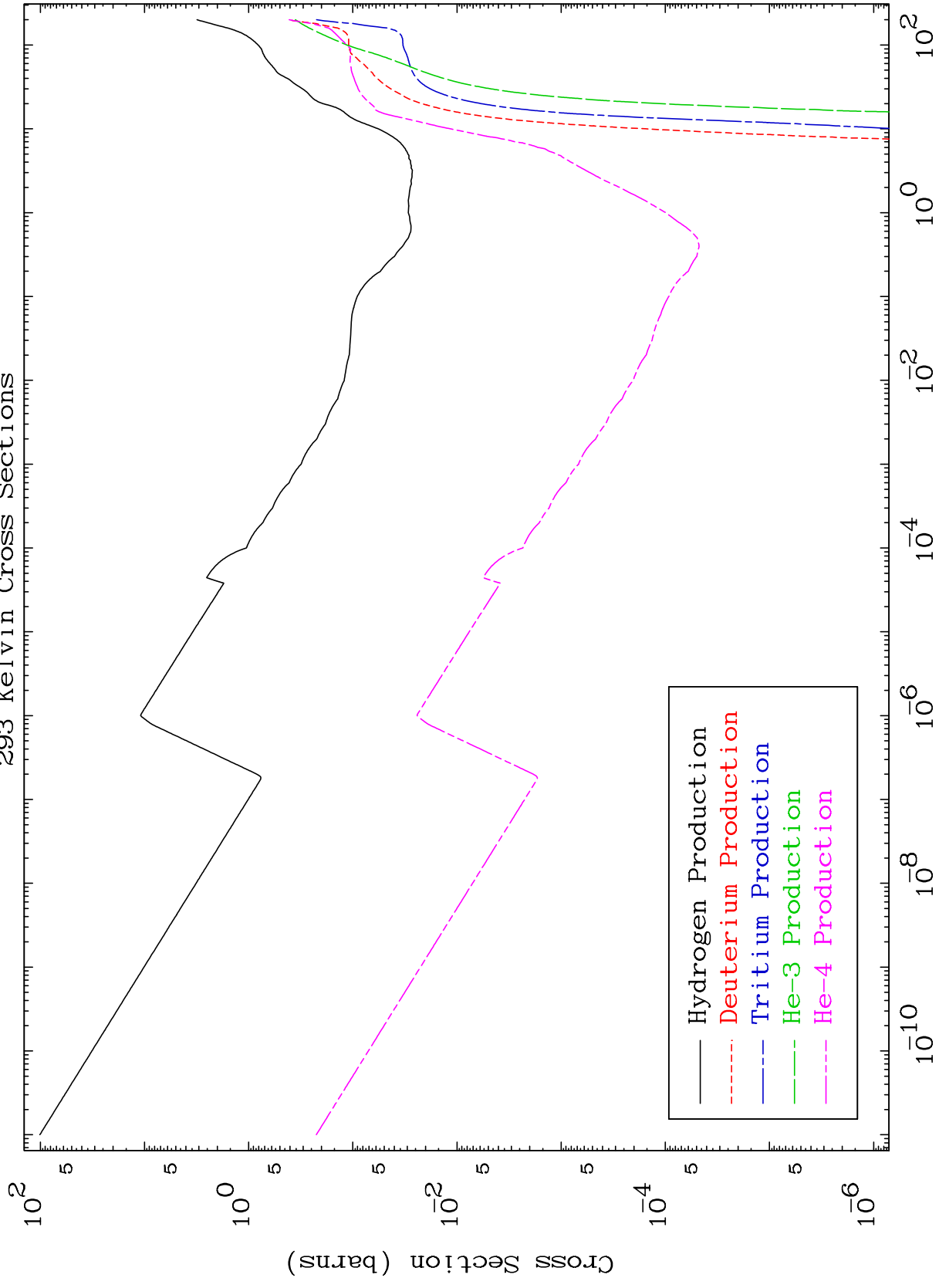


MAT 5310

293 Kelvin Cross Sections

53-I -122

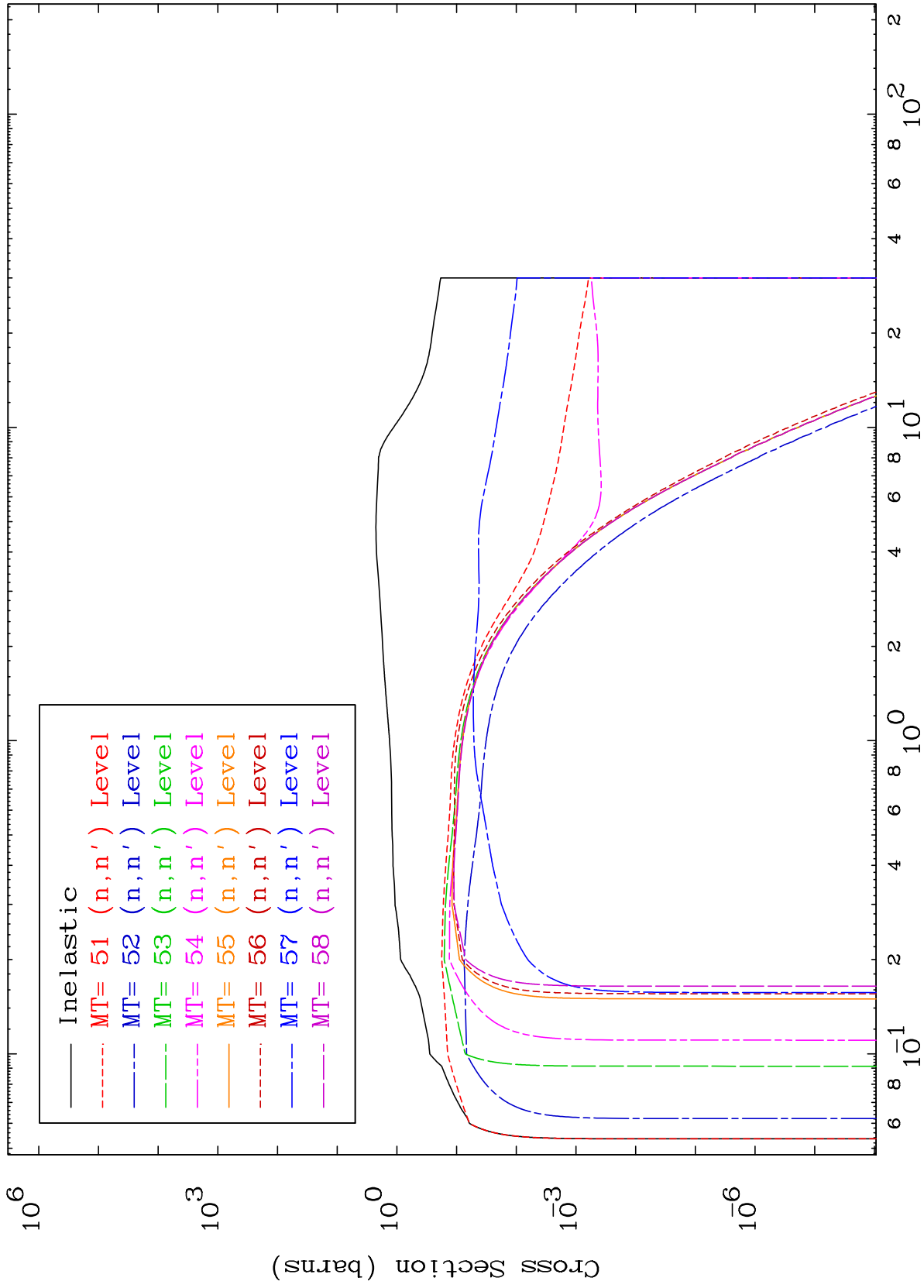




MAT 5310

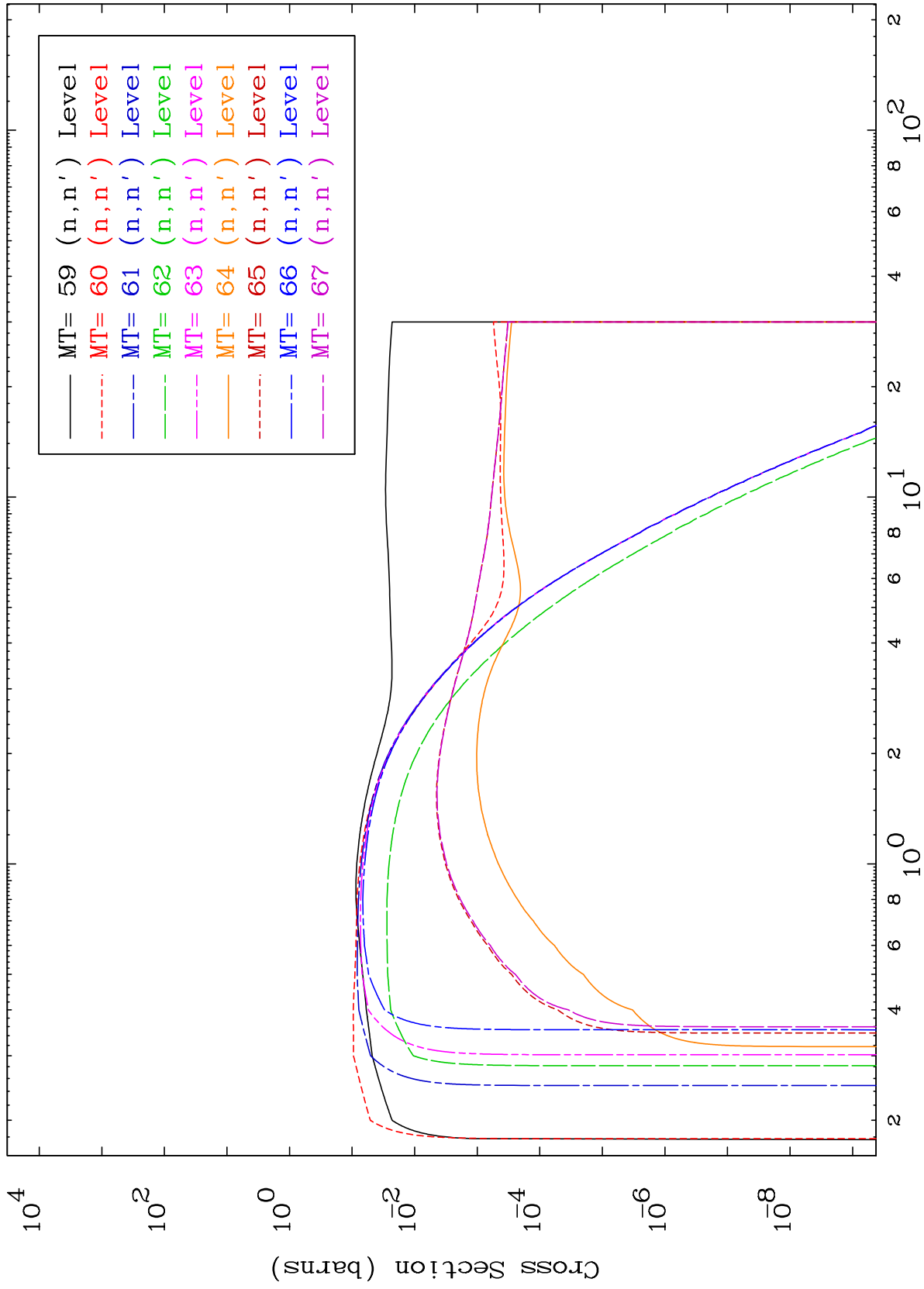
(n,n') Level  
293 Kelvin Cross Sections

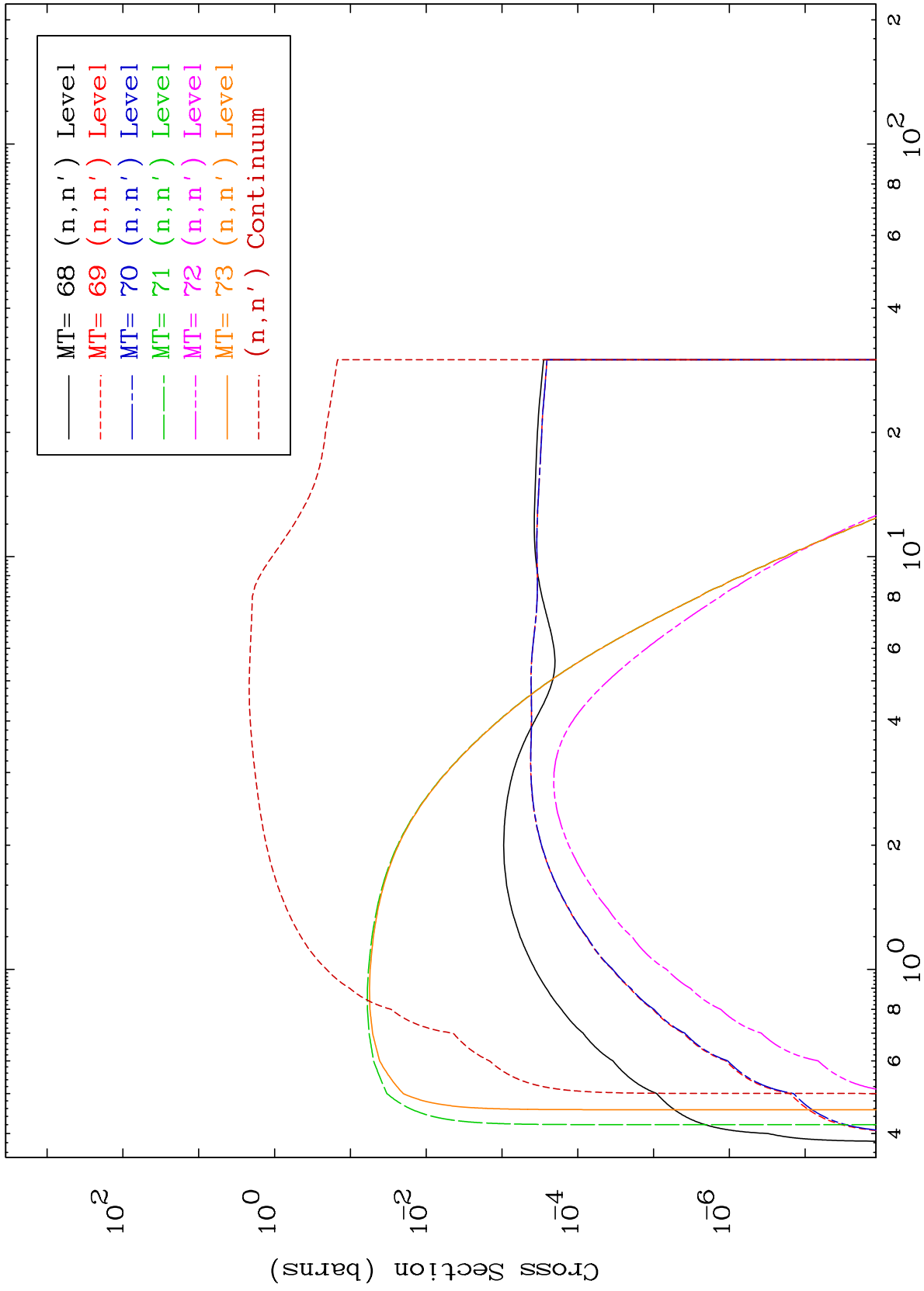
53-I -122



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53-I -122

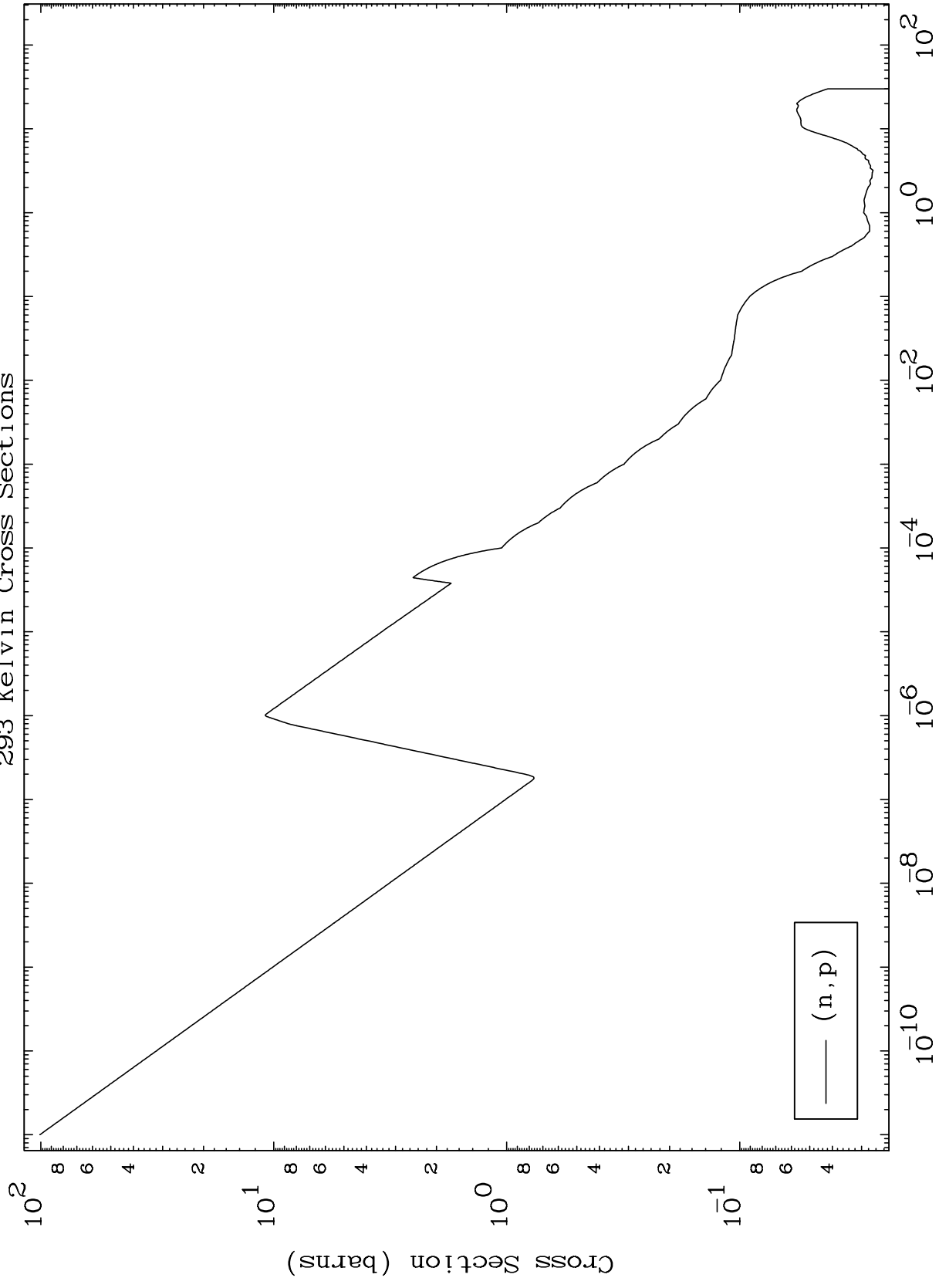




MAT 5310

(n,p) Levels  
293 Kelvin Cross Sections

53-I -122



— (n,p)

10

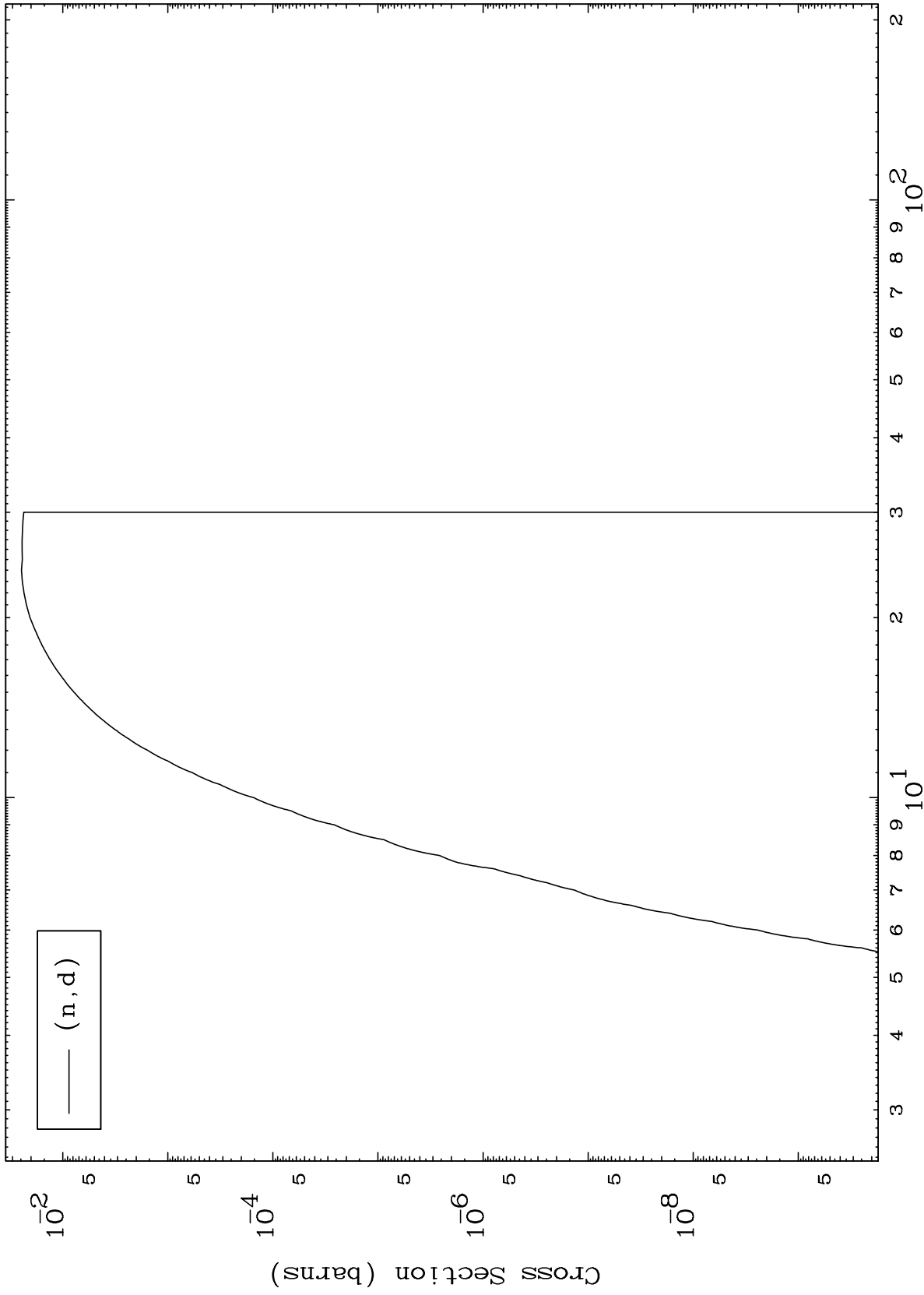
Incident Energy (MeV)

53-I -122

MAT 5310

(n,d) Levels  
293 Kelvin Cross Sections

53-I -122



11

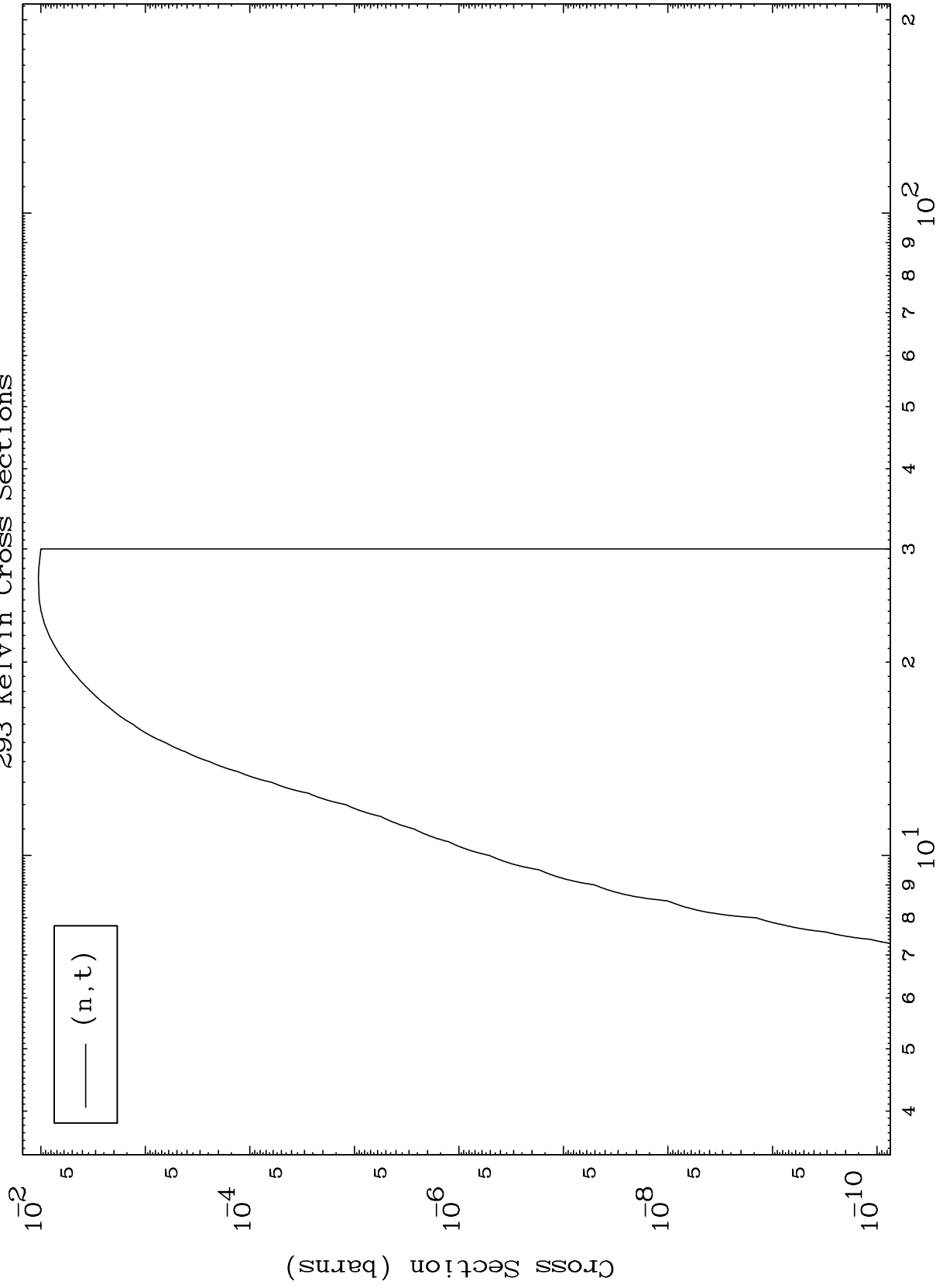
Incident Energy (MeV)

53-I -122

MAT 5310

(n,t) Levels  
293 Kelvin Cross Sections

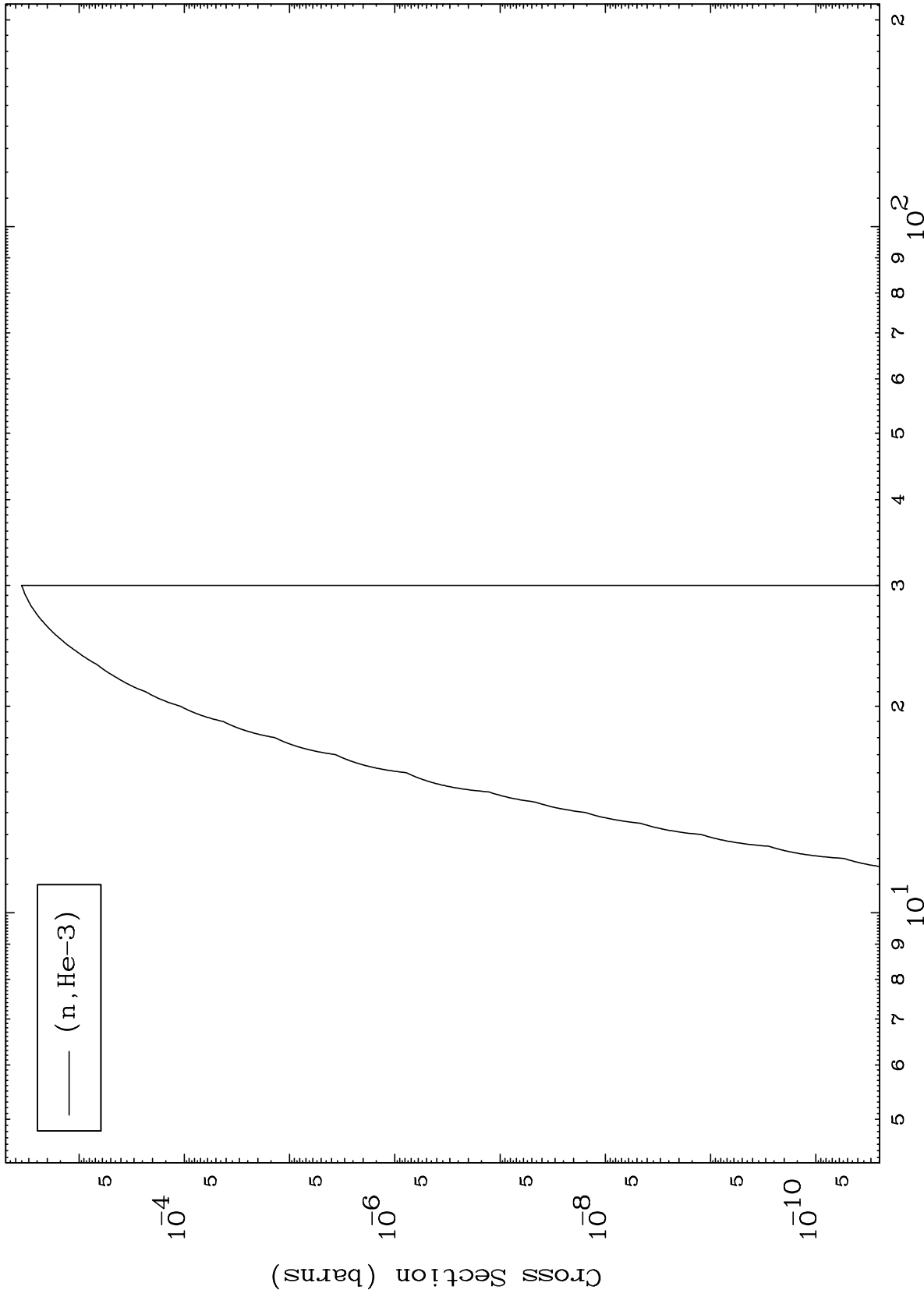
53-I -122



12

Incident Energy (MeV)

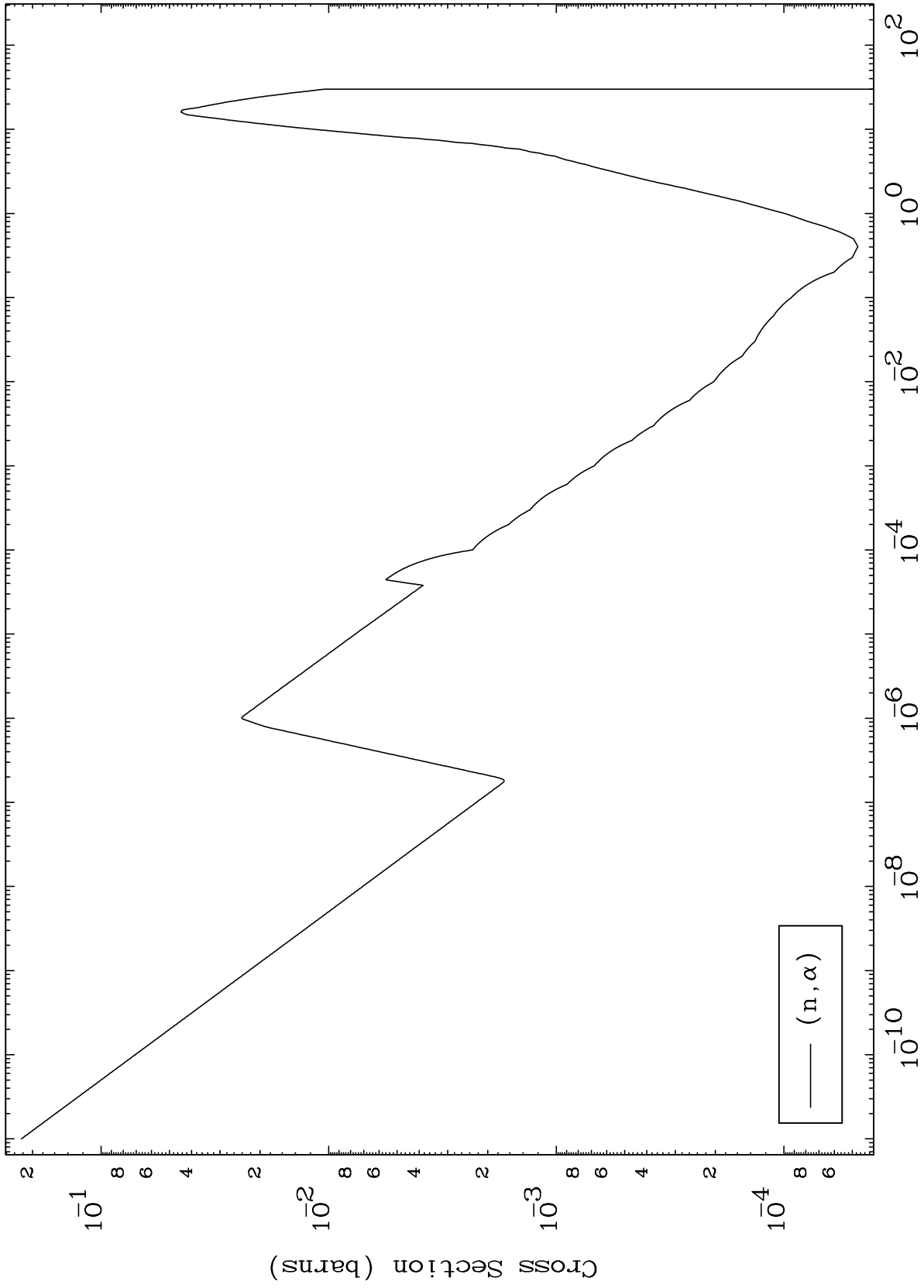
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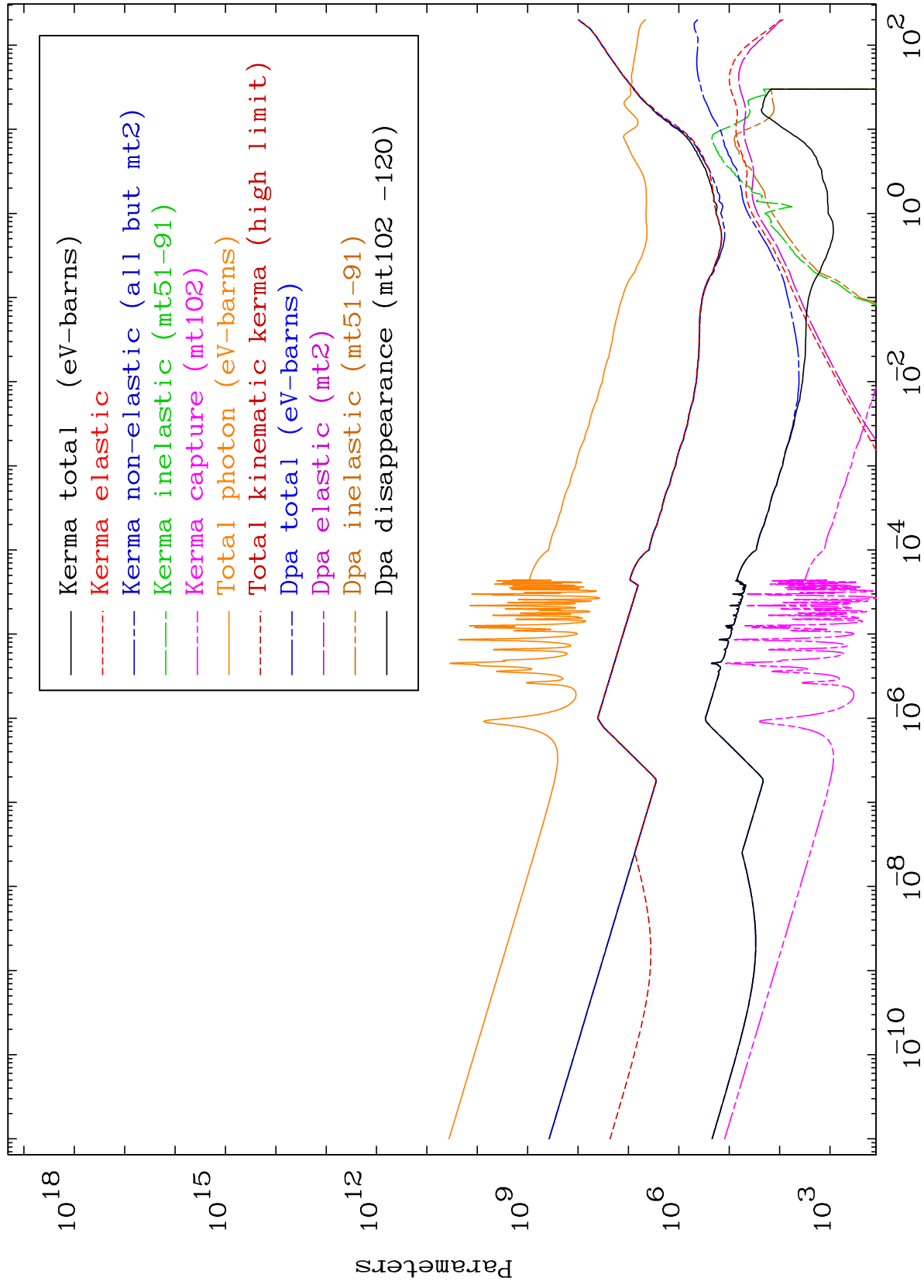


MAT 5310

(n,α) Levels  
293 Kelvin Cross Sections

53-I -122

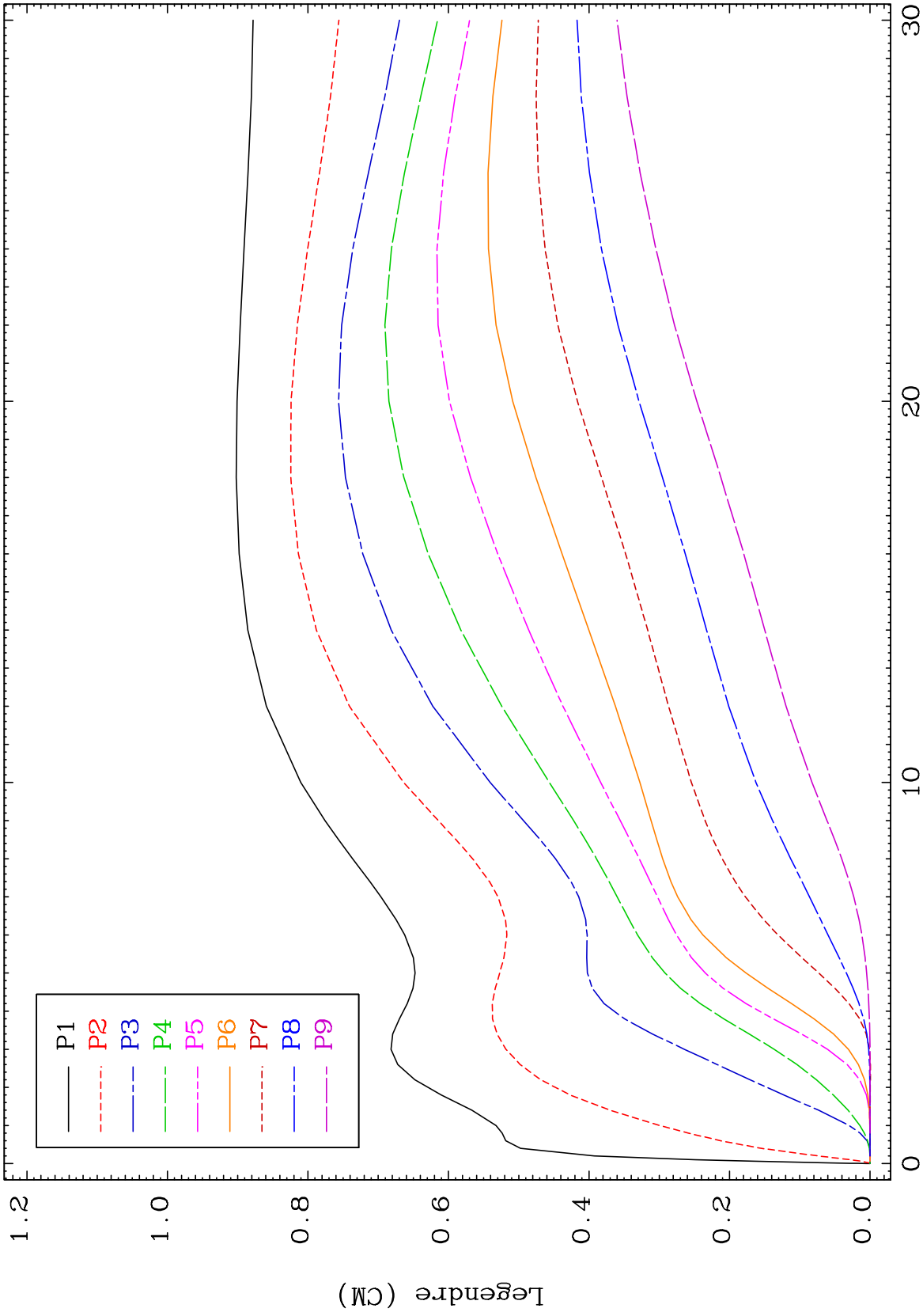




MAT 5310

Elastic Legendre Coefficients

53-I -122



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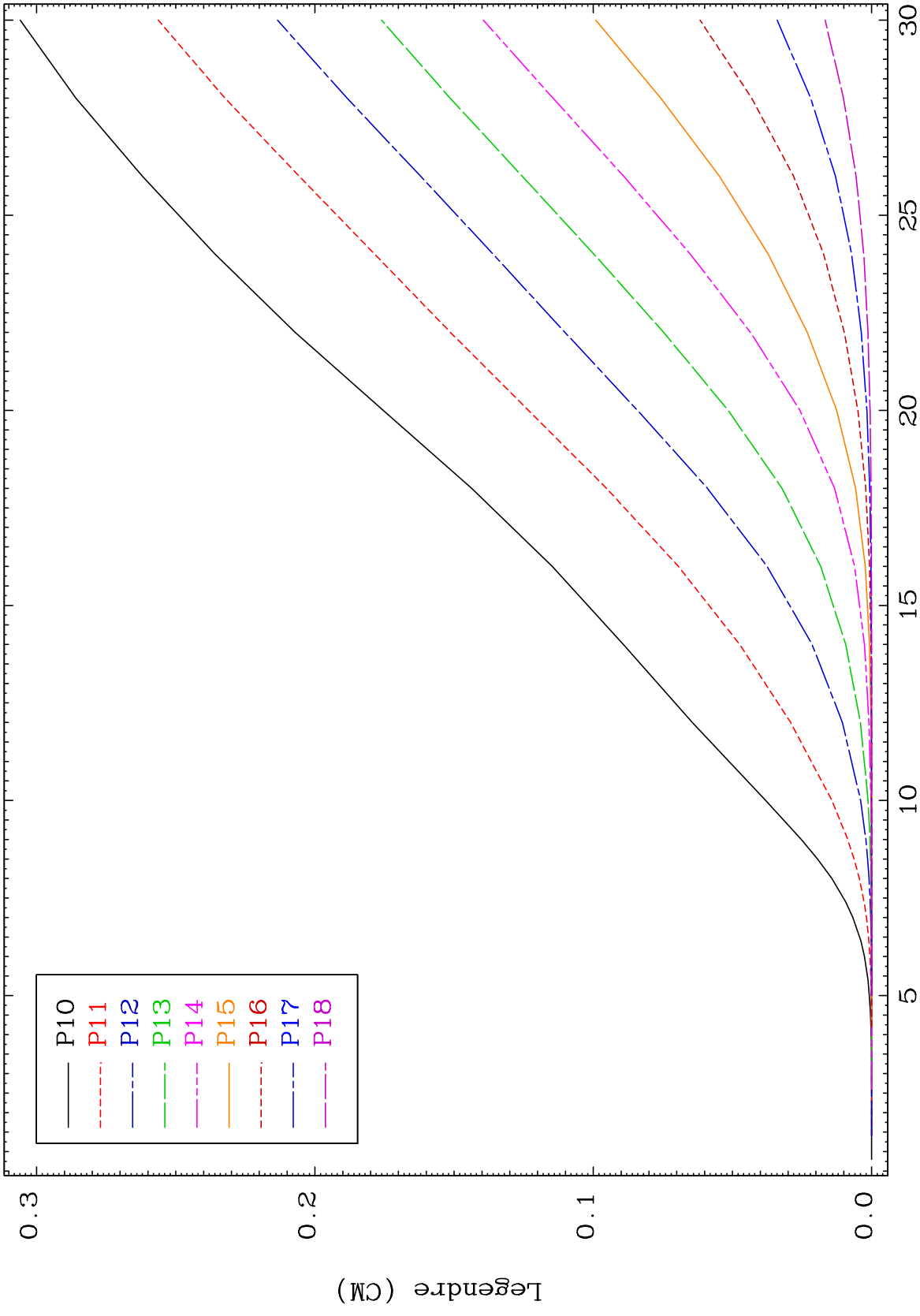
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic Legendre Coefficients

53-I -122



17

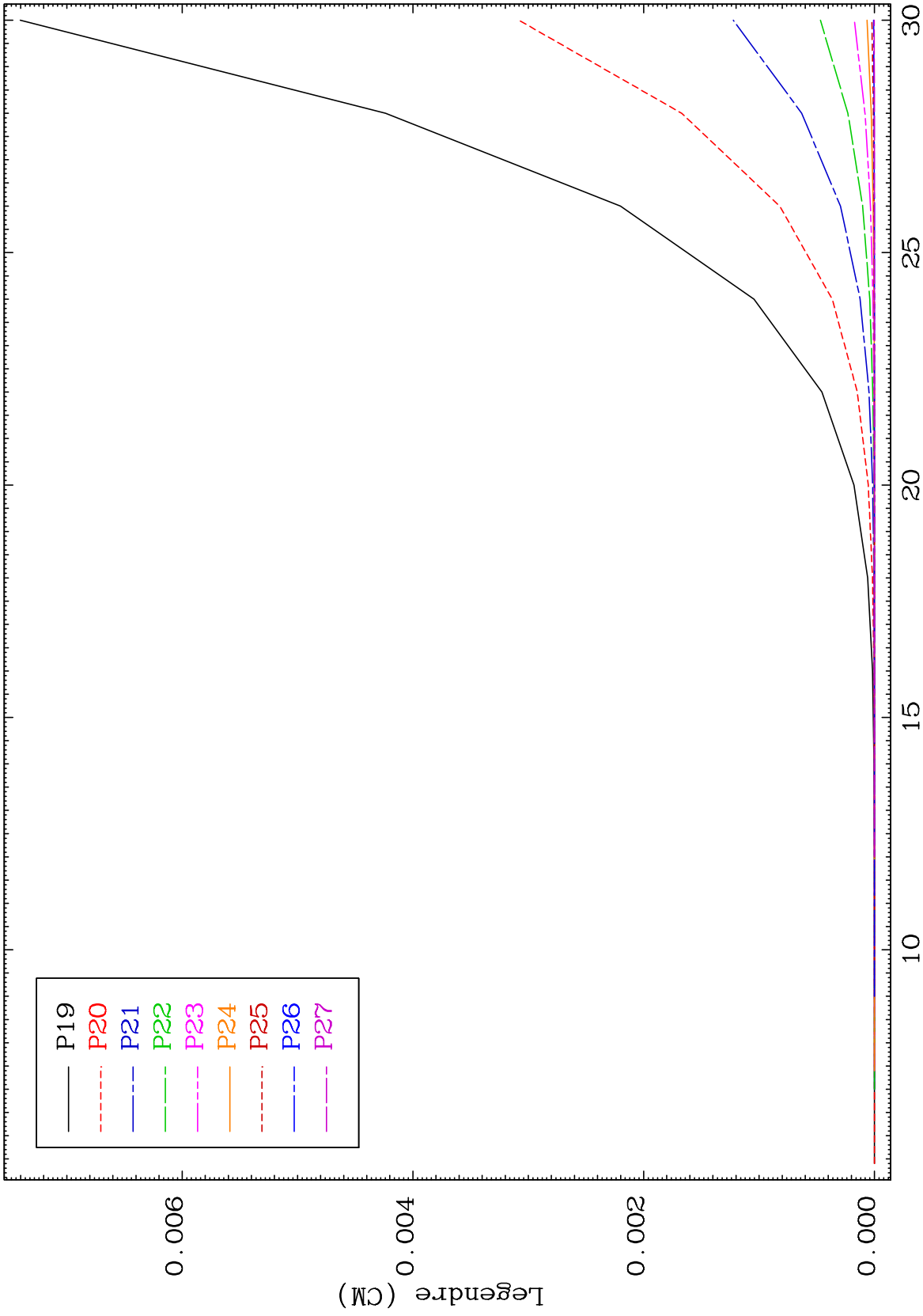
Incident Energy (MeV)

53-I -122

MAT 5310

### Elastic Legendre Coefficients

53-I -122



18

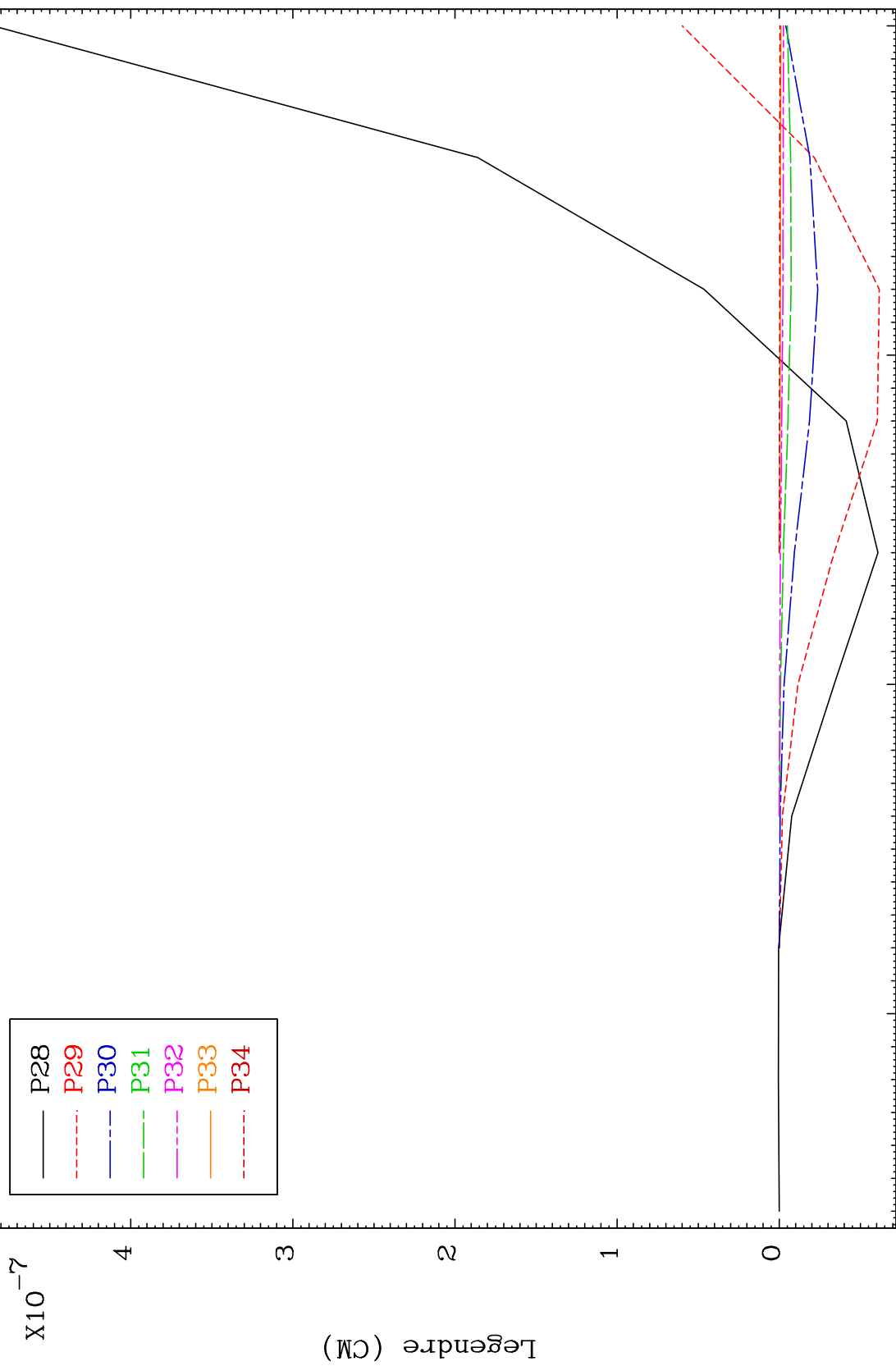
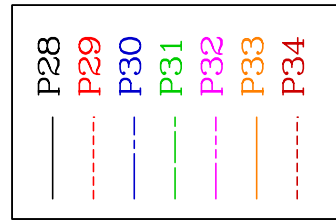
Incident Energy (MeV)

53-I -122

MAT 5310

Elastic  
Legendre Coefficients

53-I -122



19

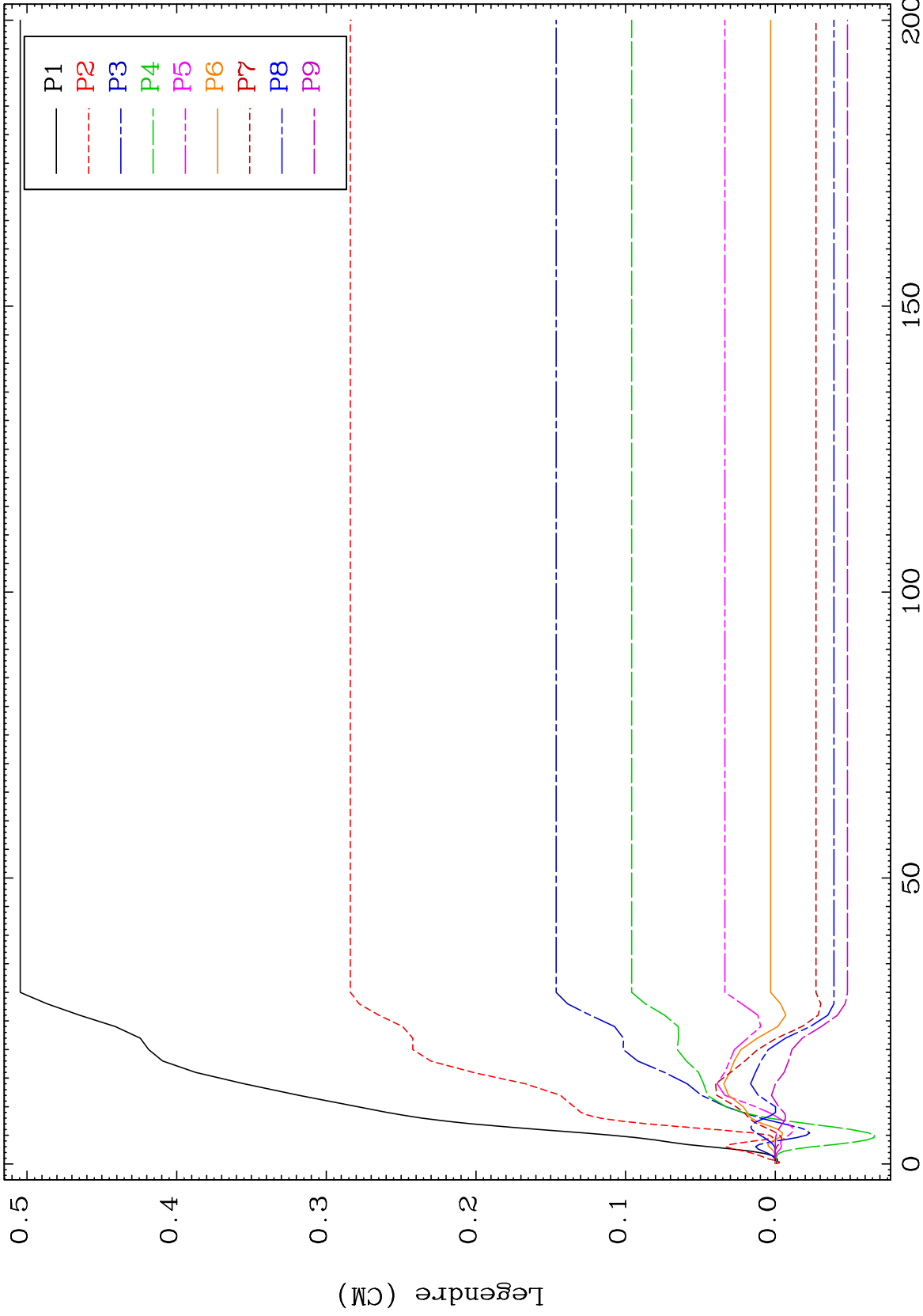
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



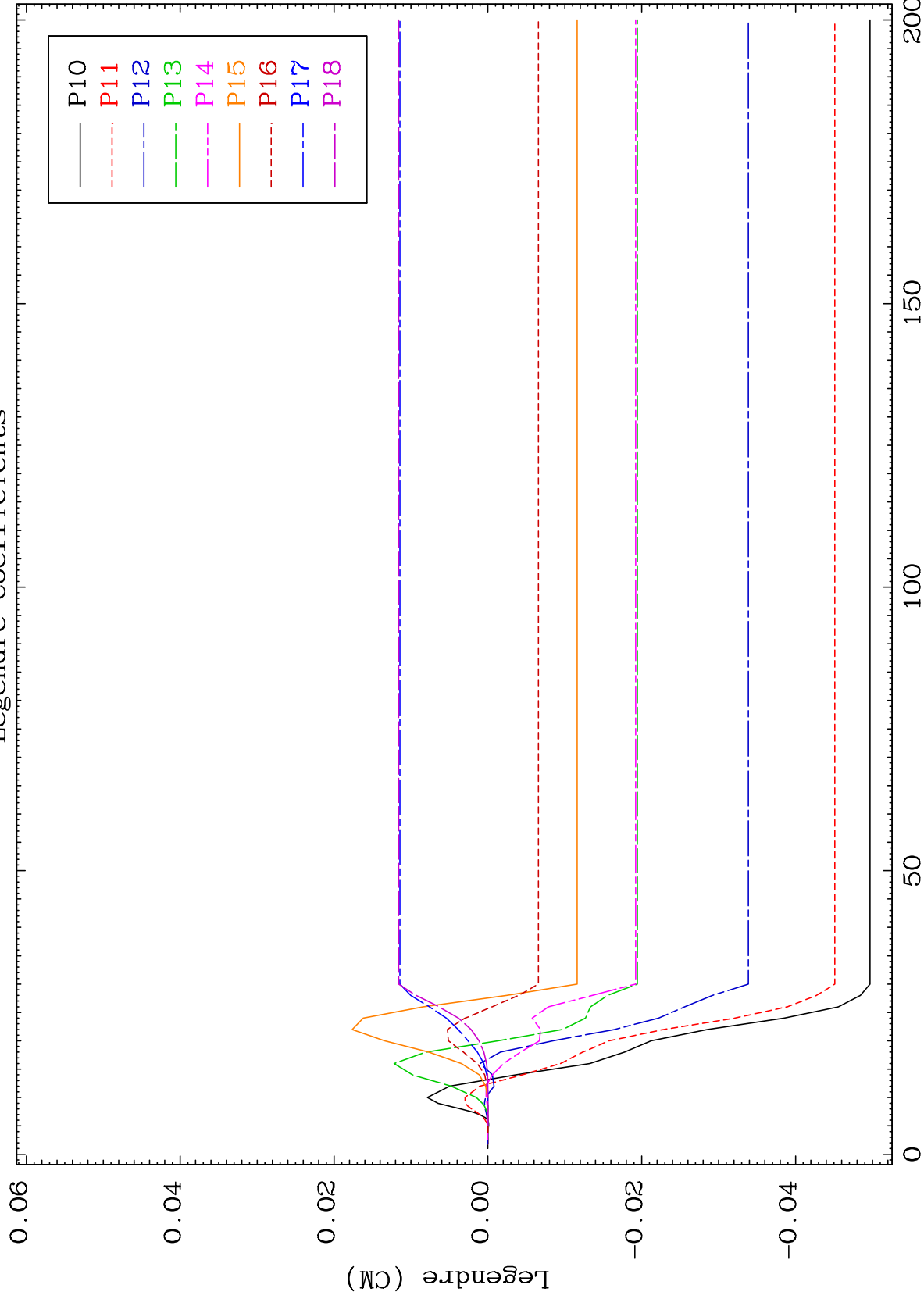
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Incident Energy (MeV)

MAT 5310

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

53-I -122



21

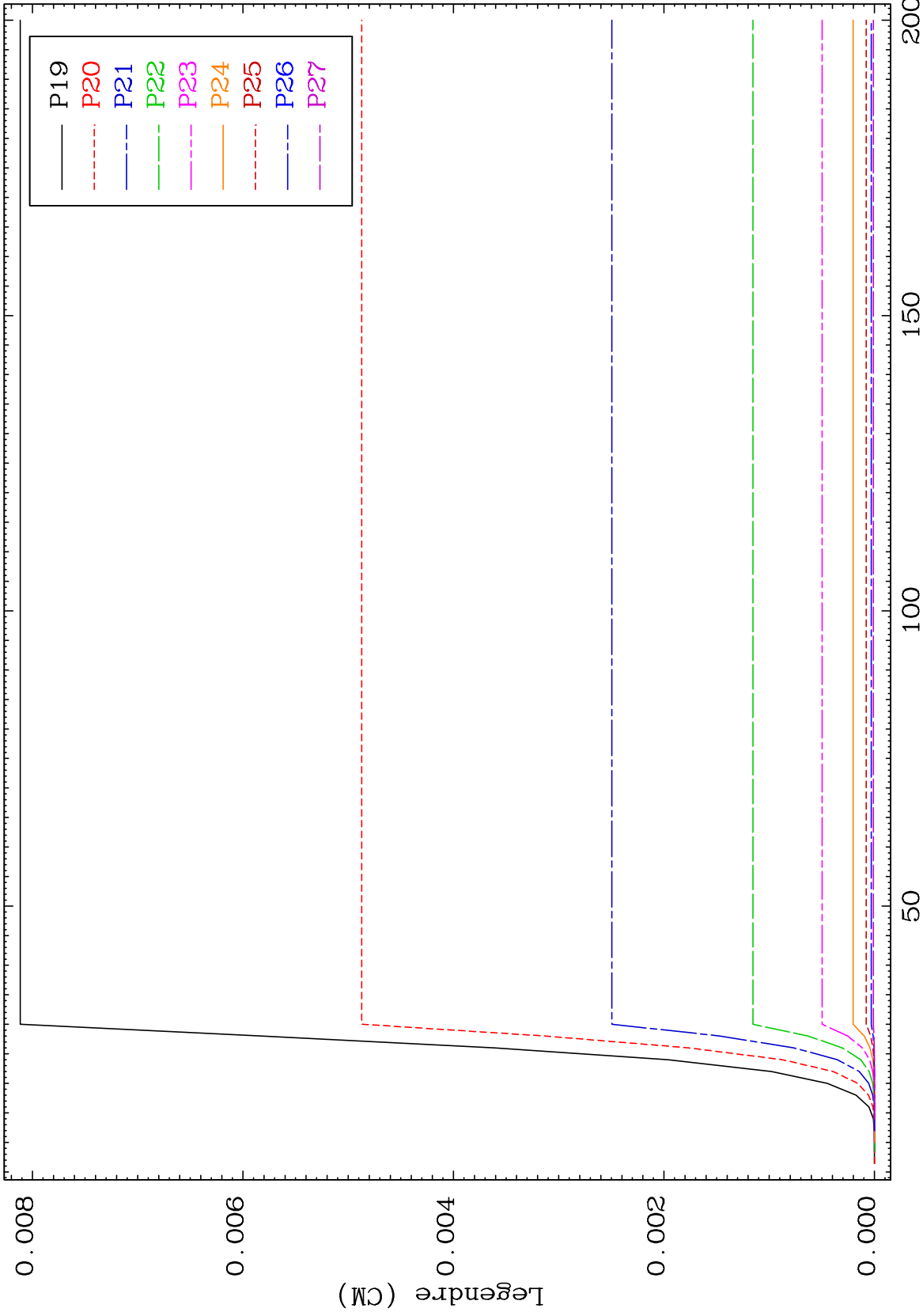
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



22

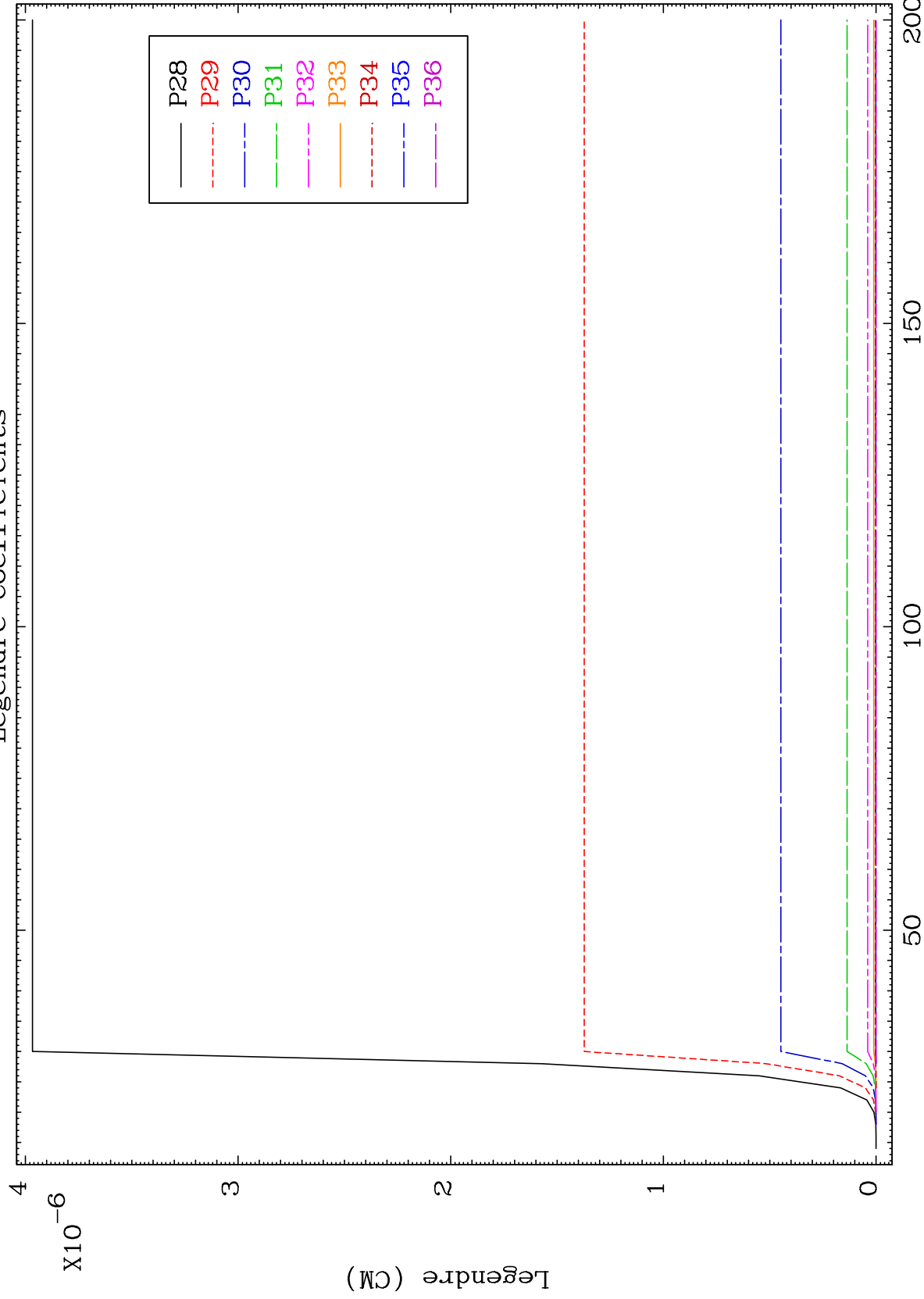
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



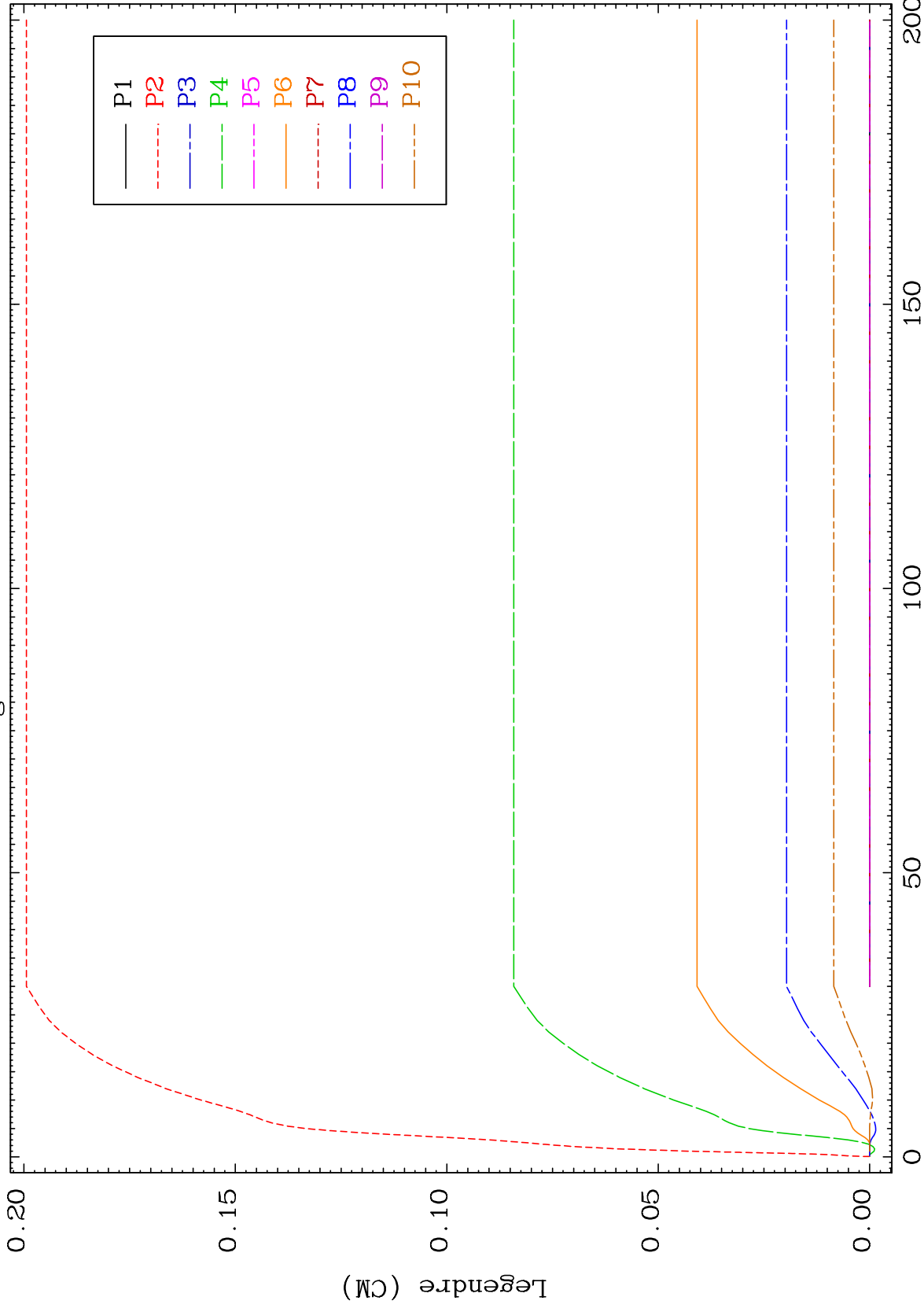
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53-I -122

MAT 5310

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

53-I -122



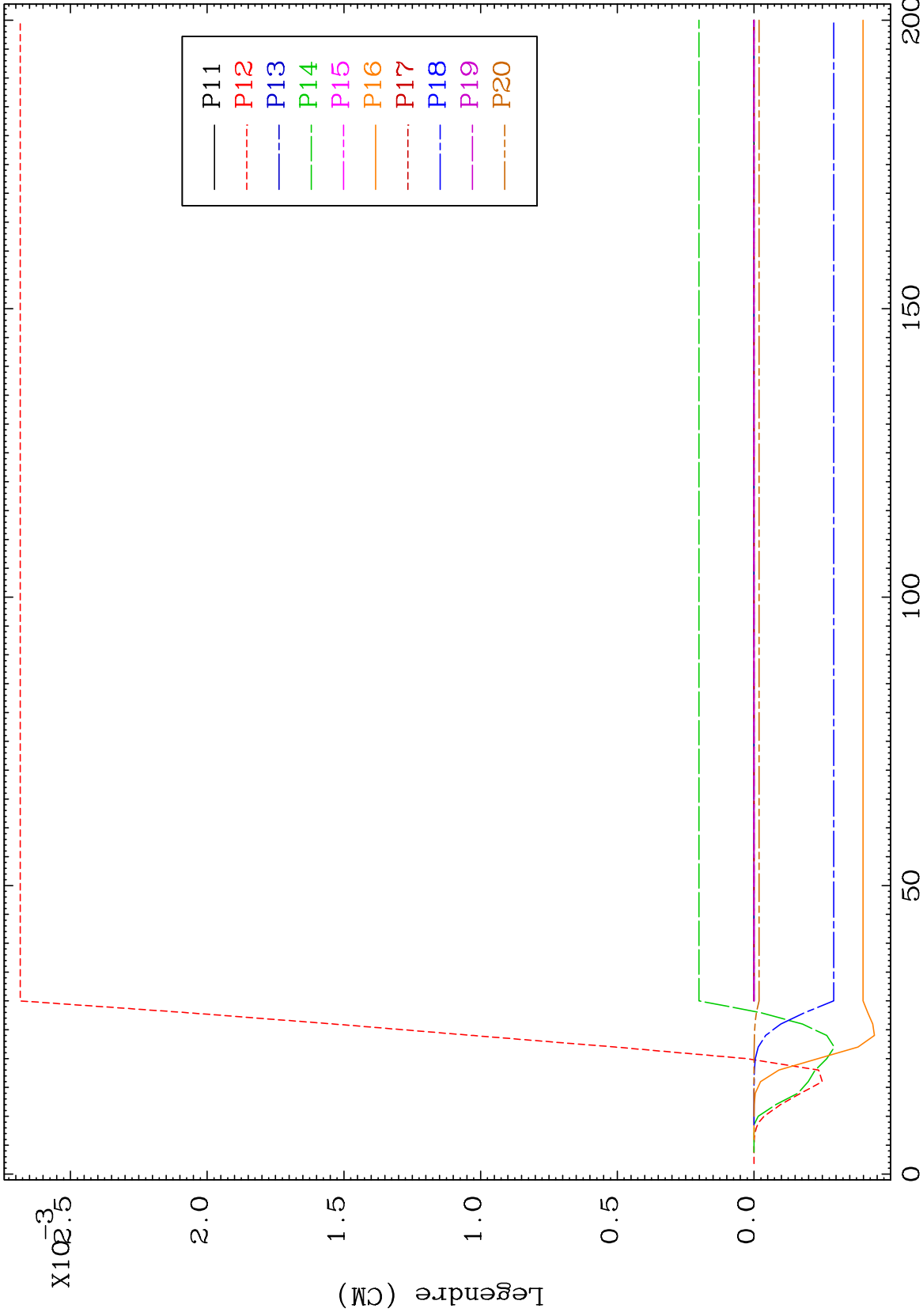
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53-I -122

MAT 5310

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

53-I -122



25

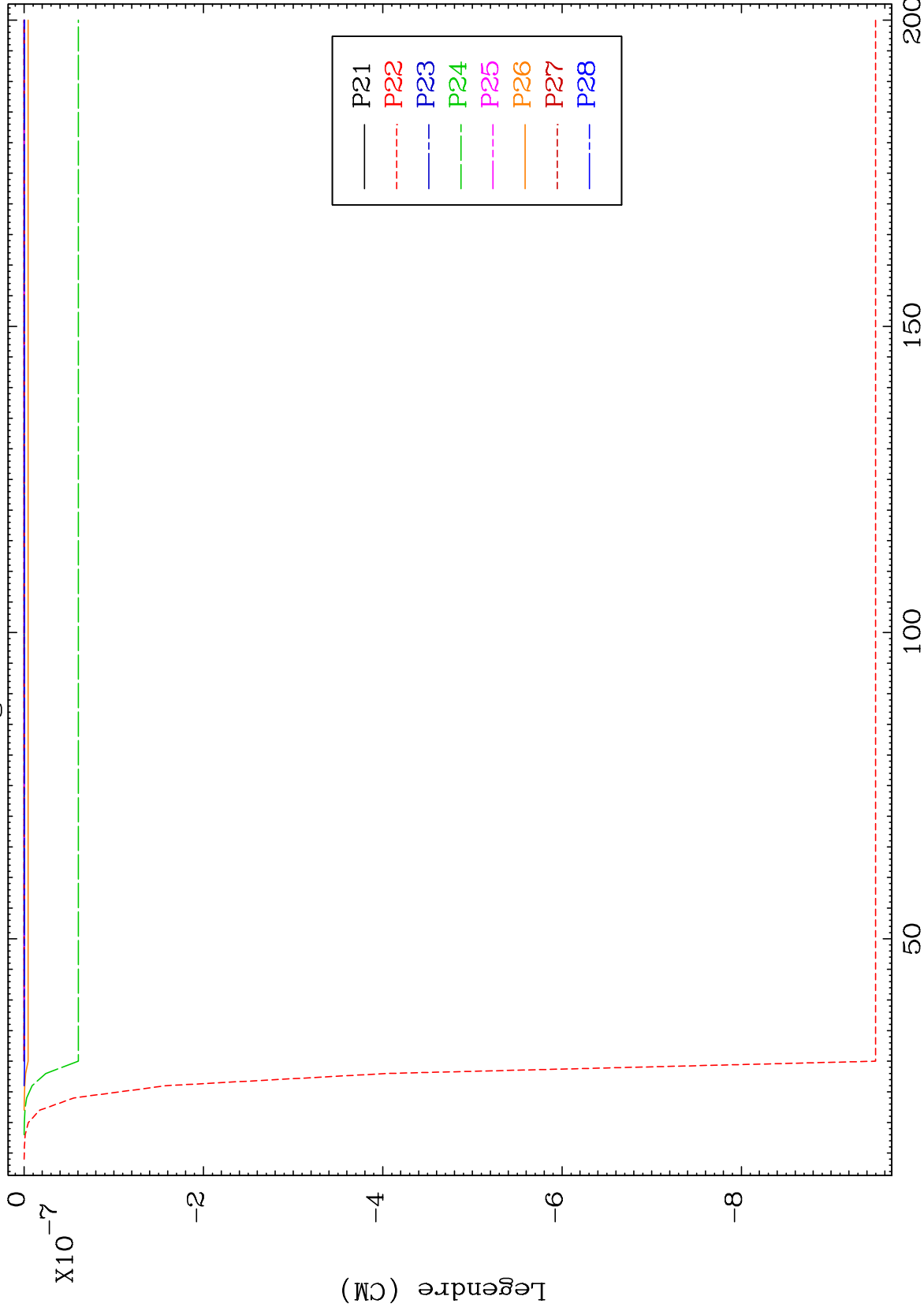
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



26

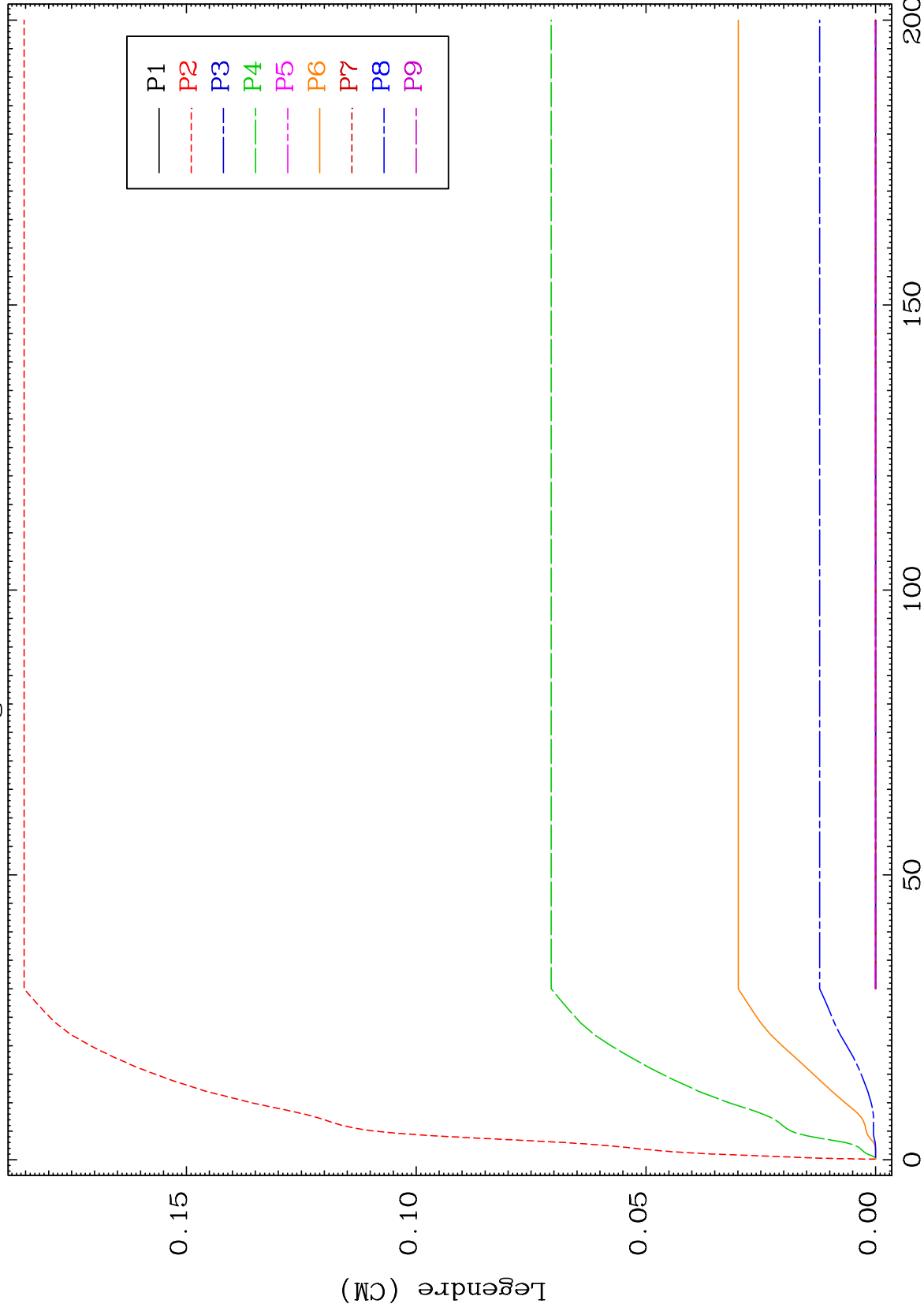
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



27

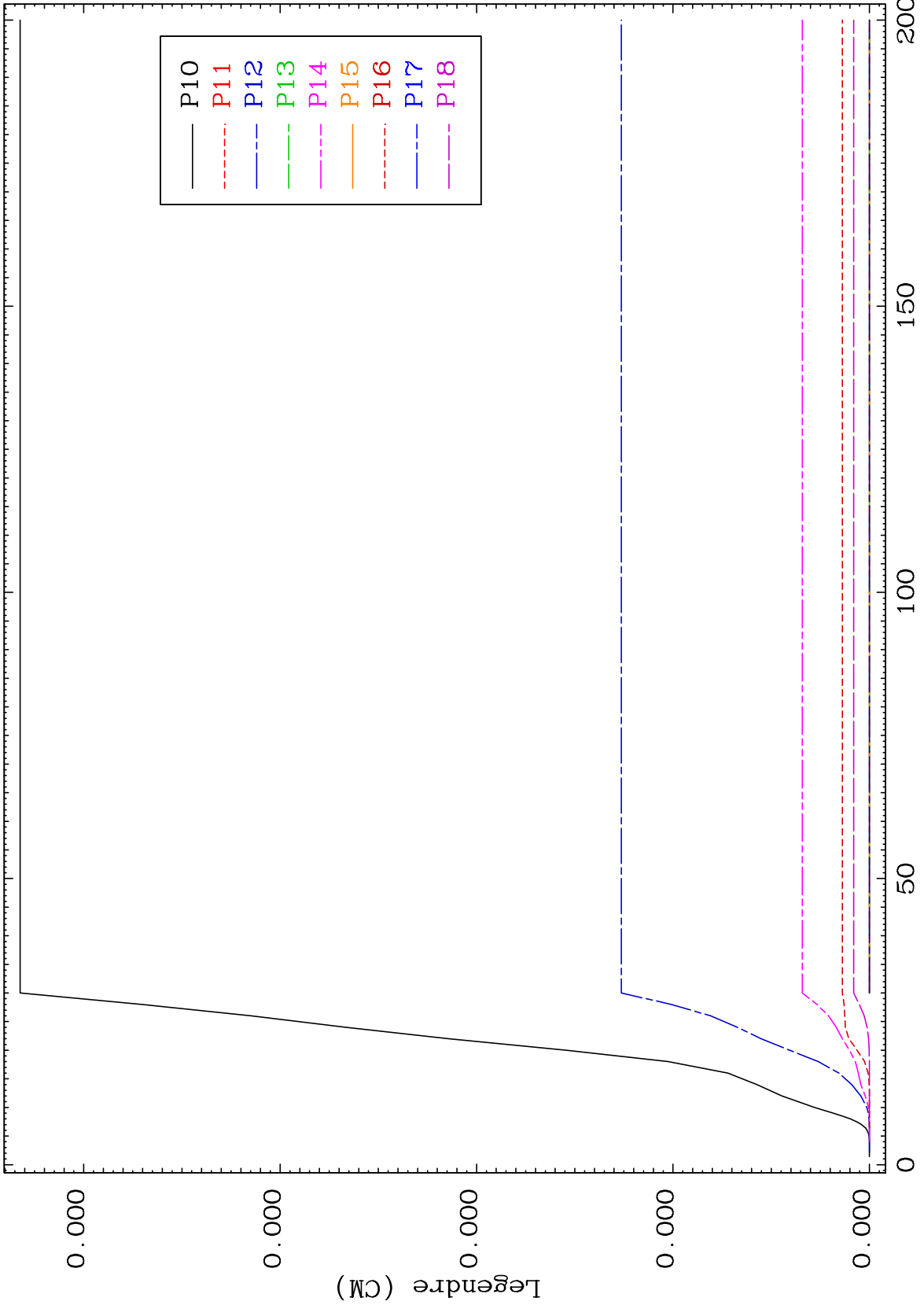
Incident Energy (MeV)

53-I -122

MAT 5310

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

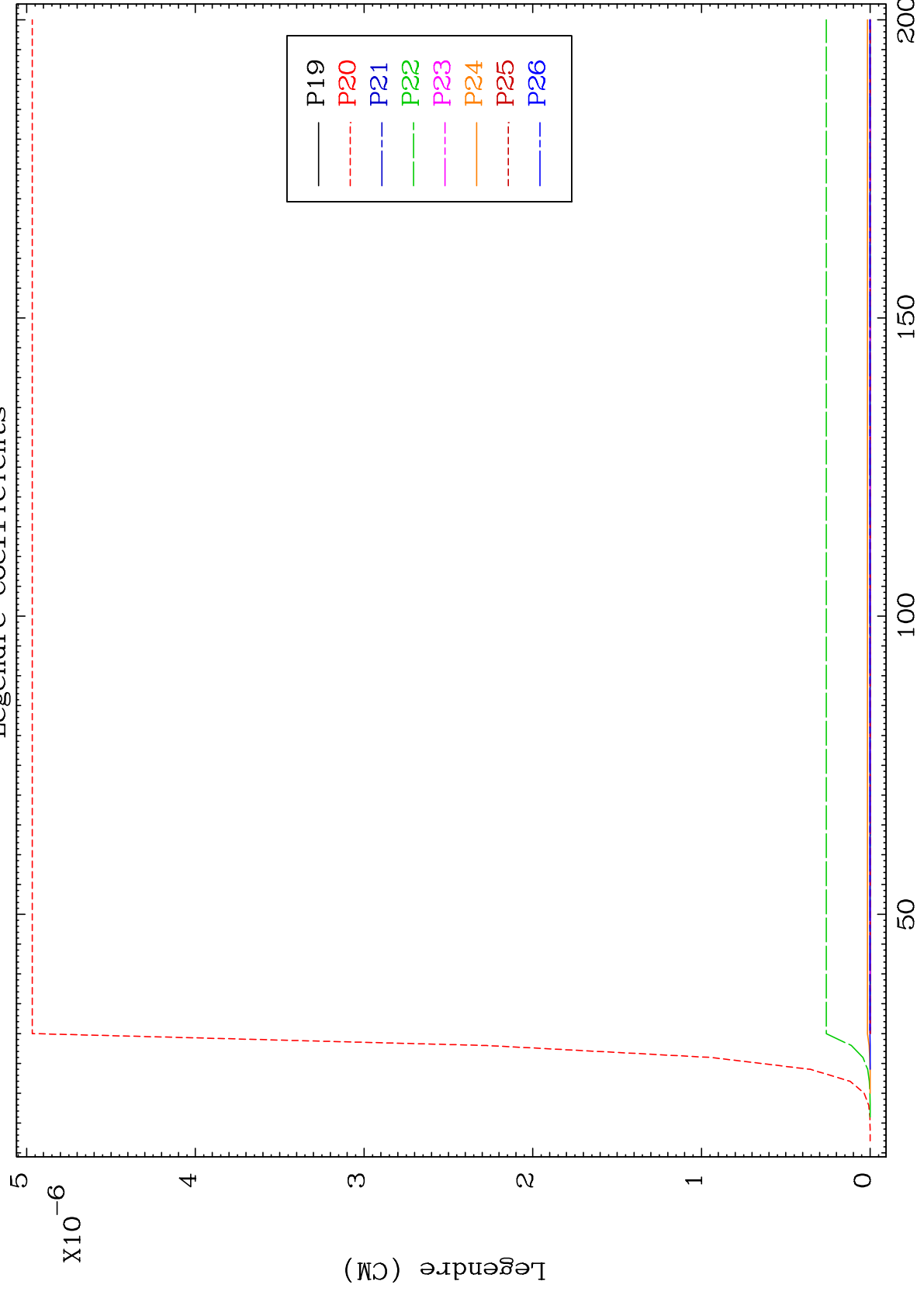
53-I -122



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53-I -122

MAT 5310 MT= 53 (n,n') Level Legendre Coefficients 53-I -122

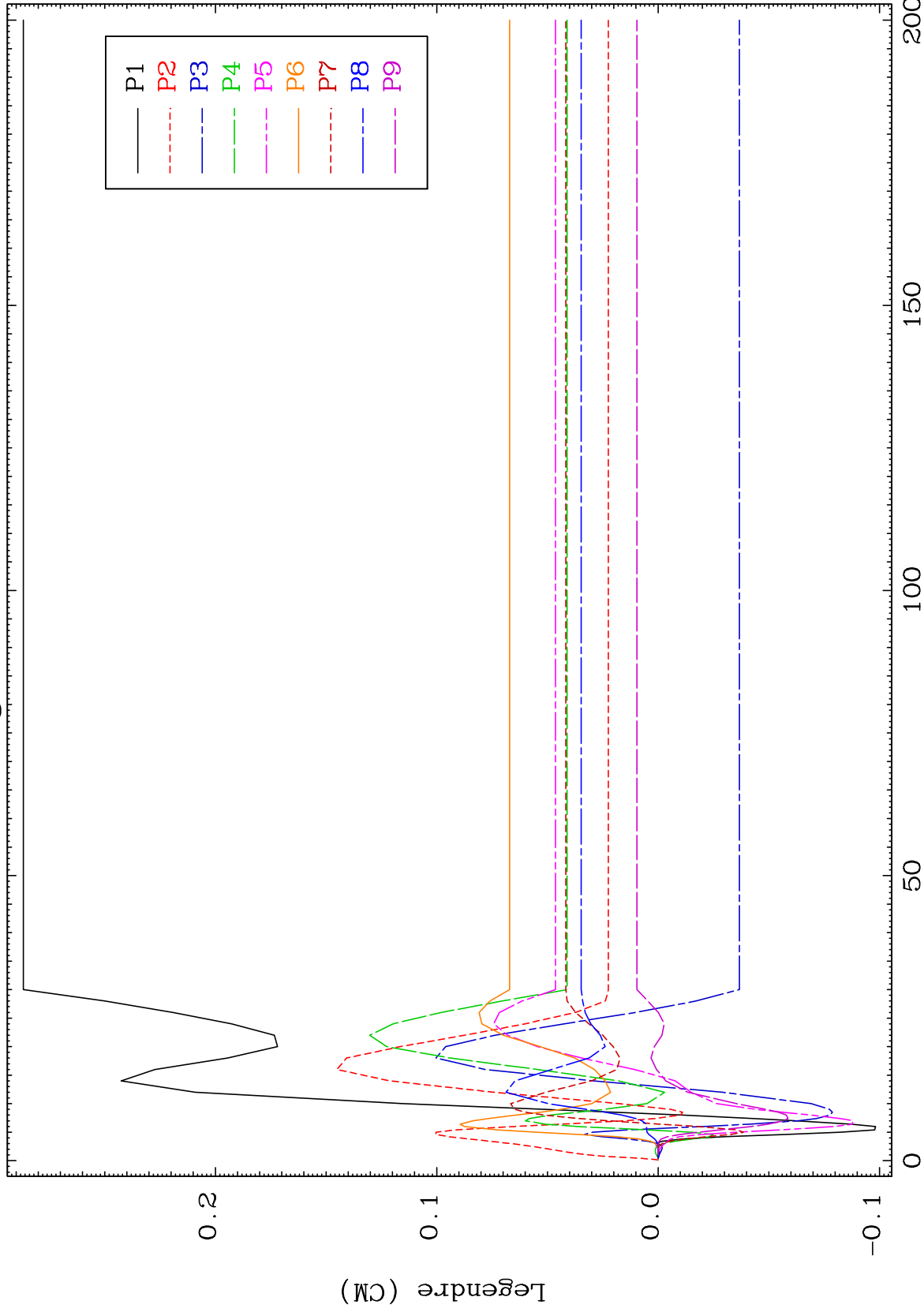


29 53-I -122

MAT 5310

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

53-I -122



53-I -122

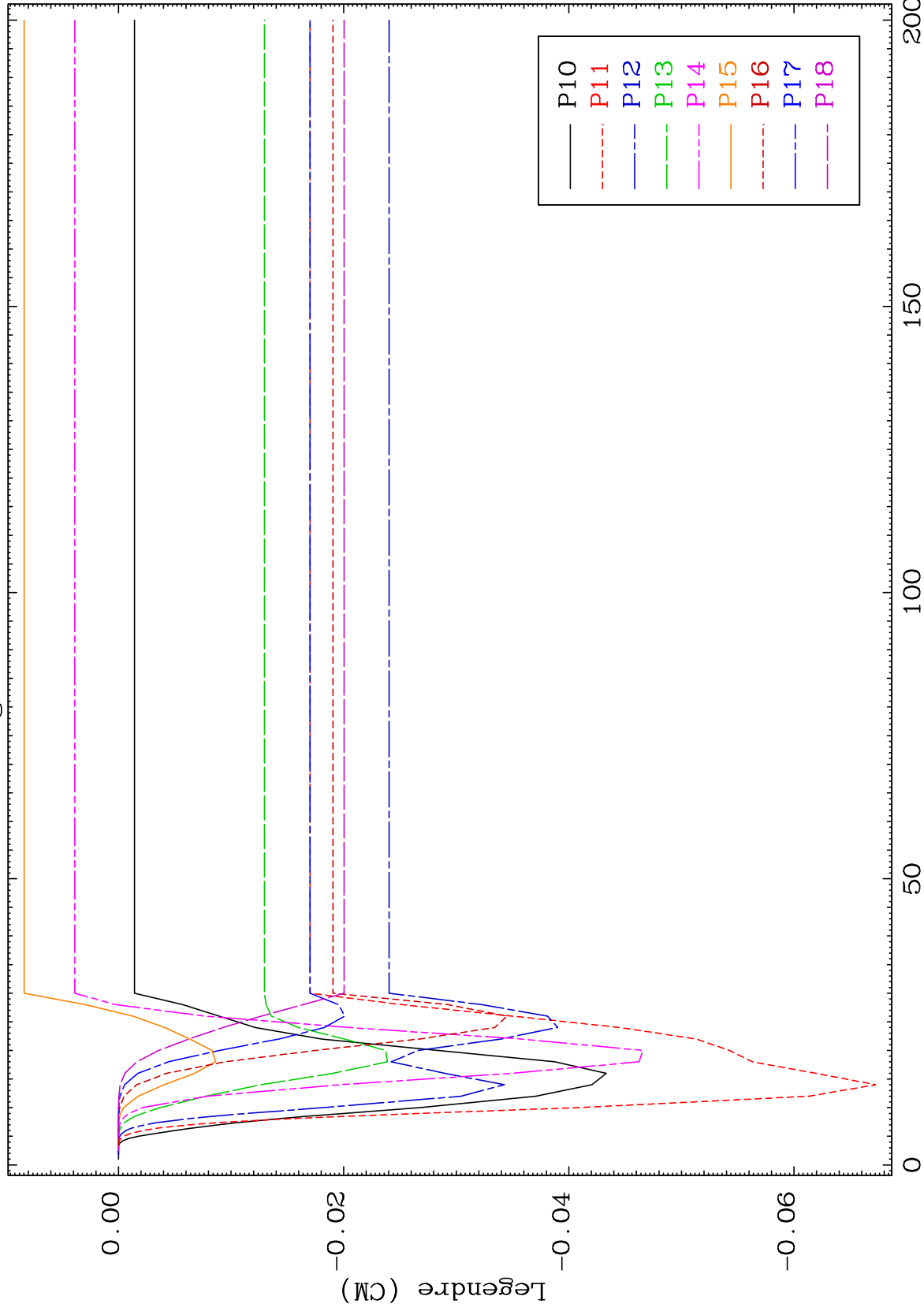
Incident Energy (MeV)

30

MAT 5310

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

53-I -122

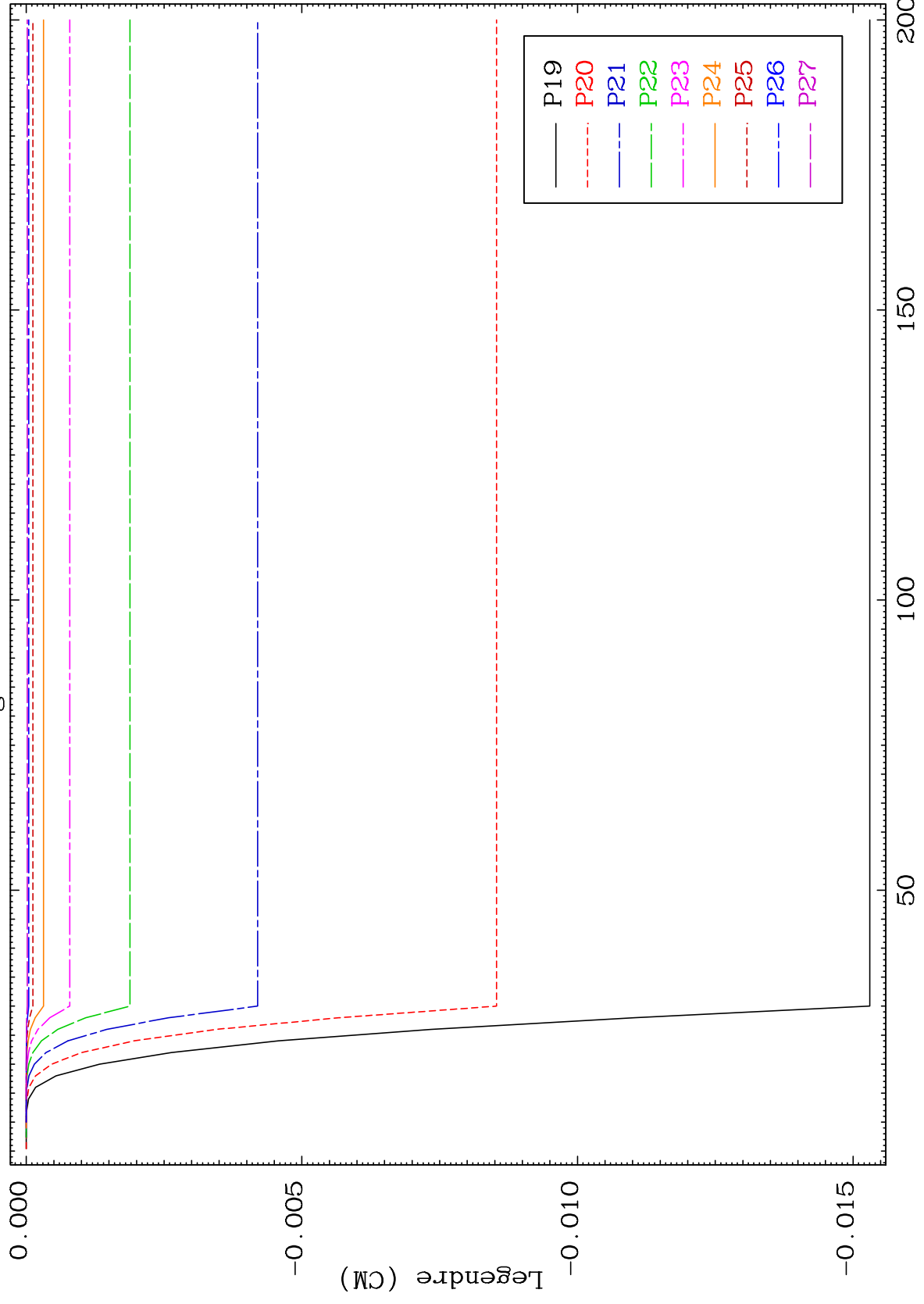


31

Incident Energy (MeV)

53-I -122

MAT 5310 MT= 54 (n,n') Level Legendre Coefficients 53-I -122

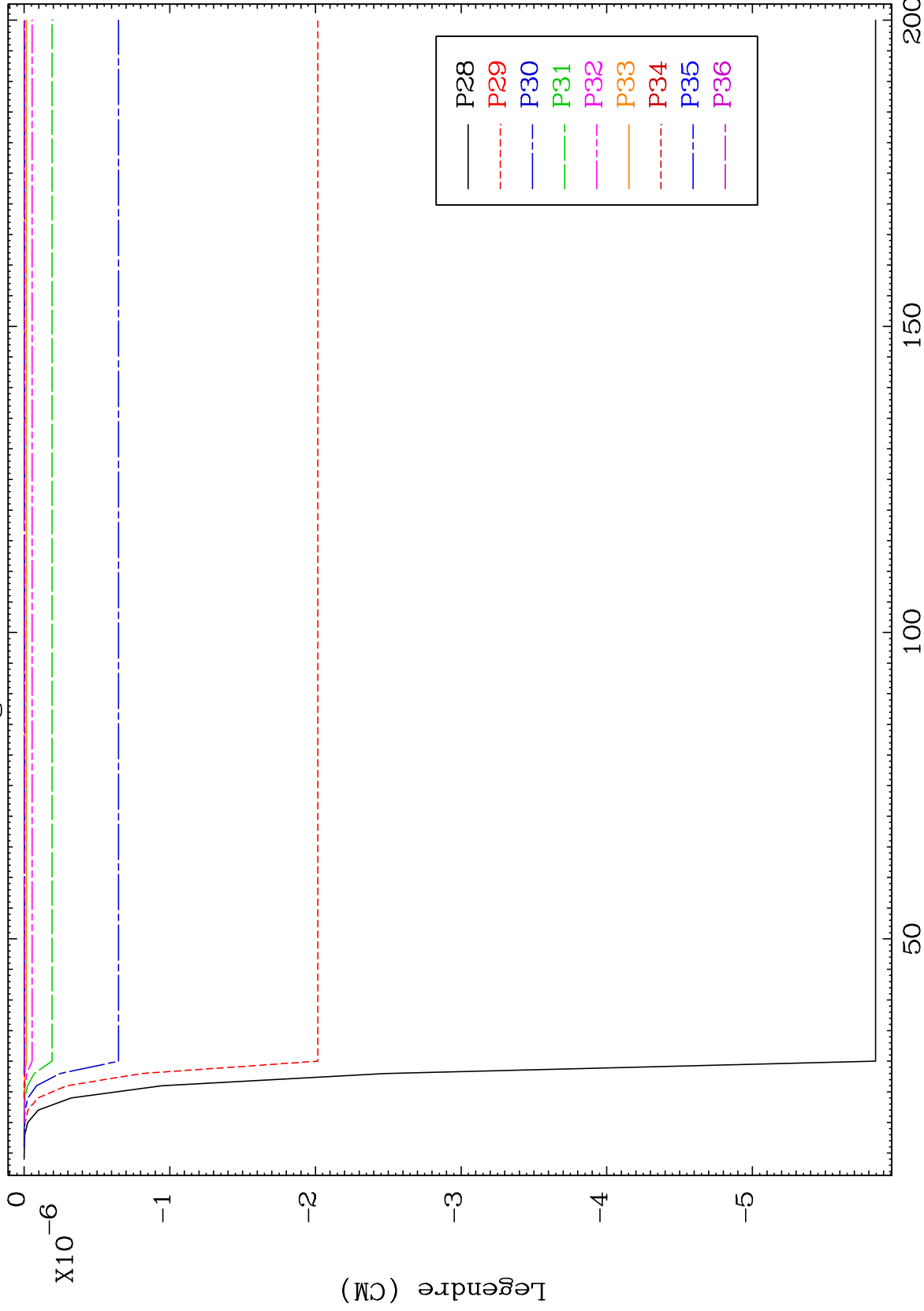


32 Incident Energy (MeV) 53-I -122

MAT 5310

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

53-I -122



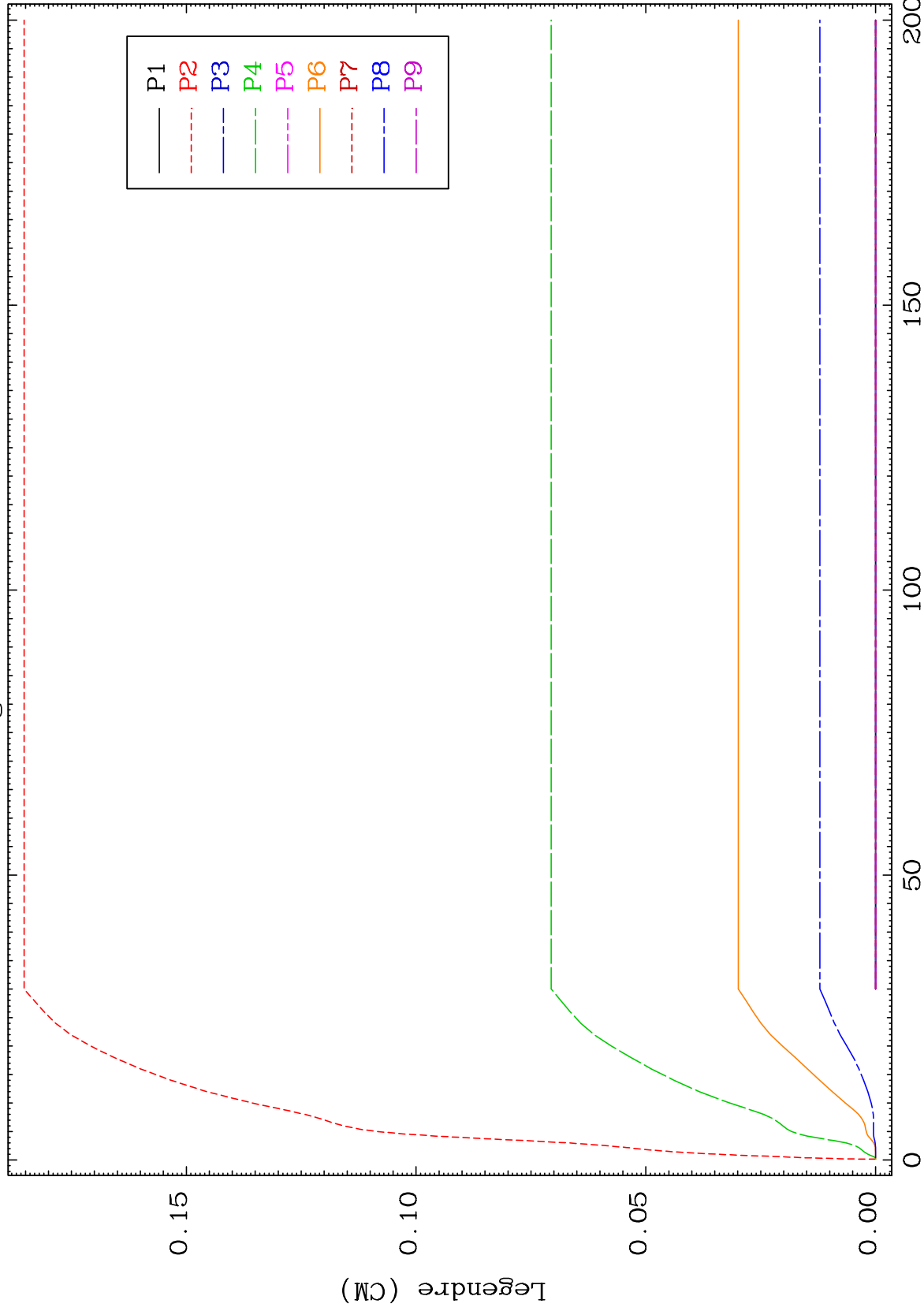
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53-I -122

MAT 5310

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

53-I -122



34

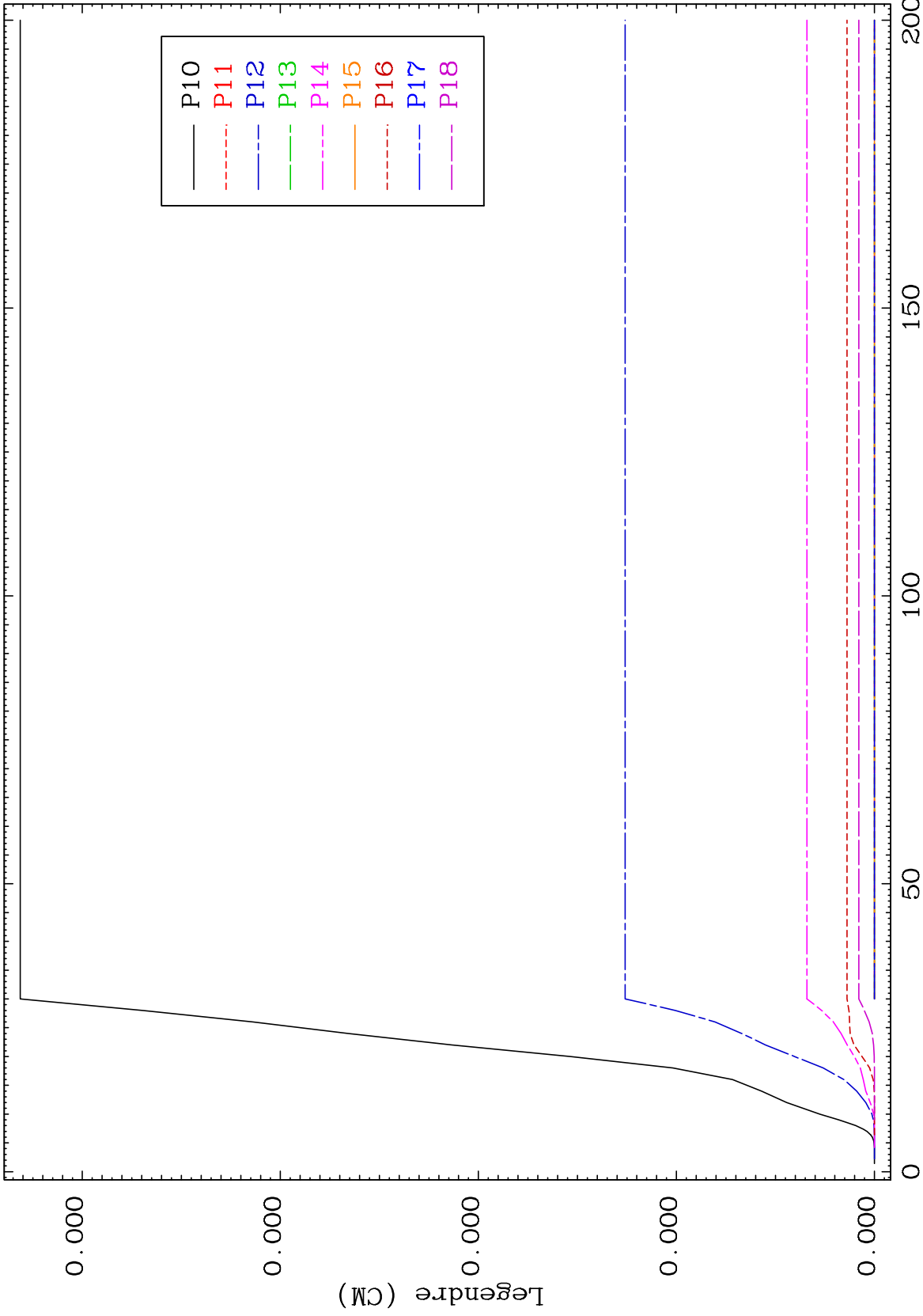
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

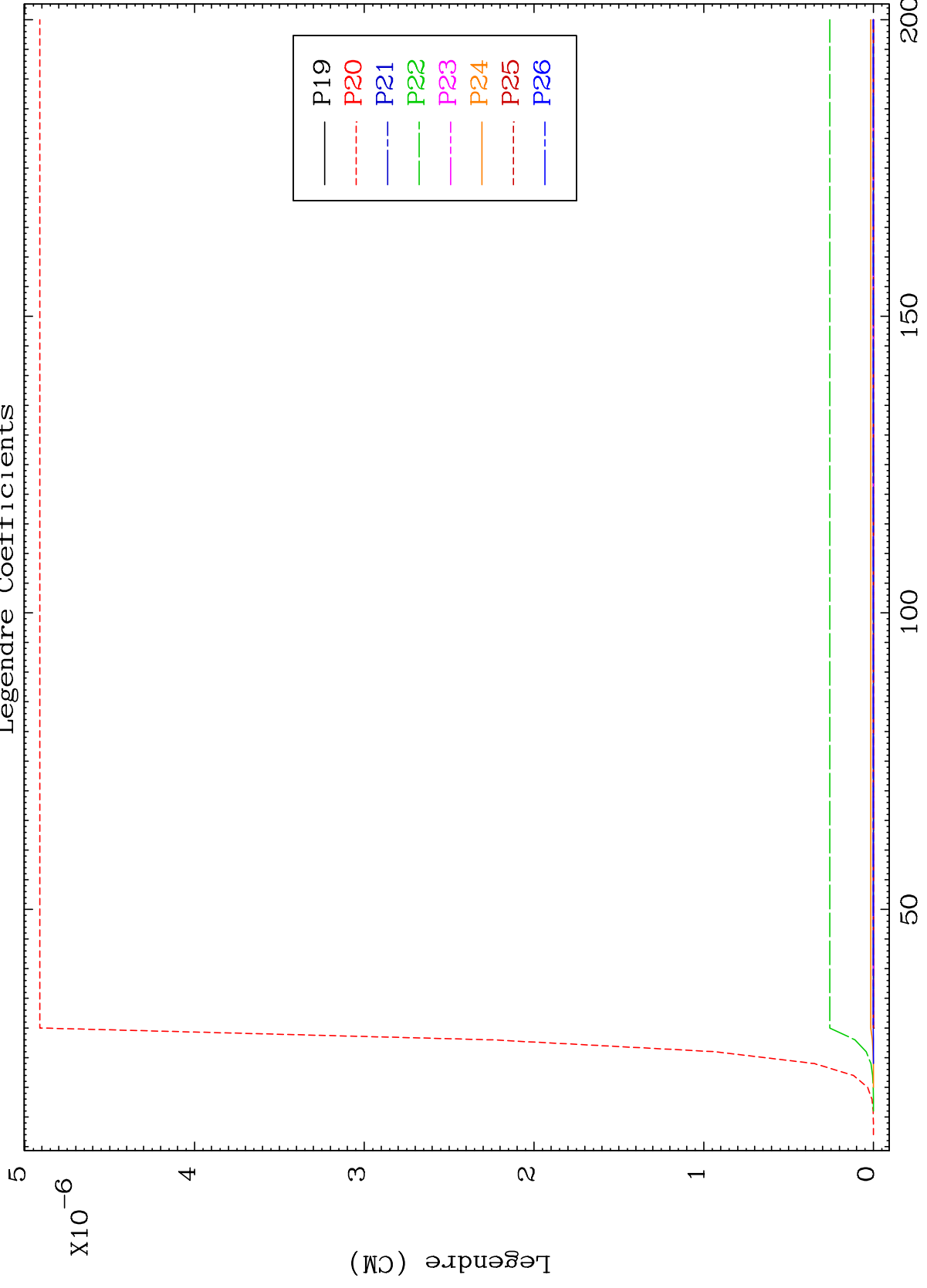


35

Incident Energy (MeV)

53-I -122

MAT 5310 MT= 55 (n,n') Level Legendre Coefficients 53-I -122

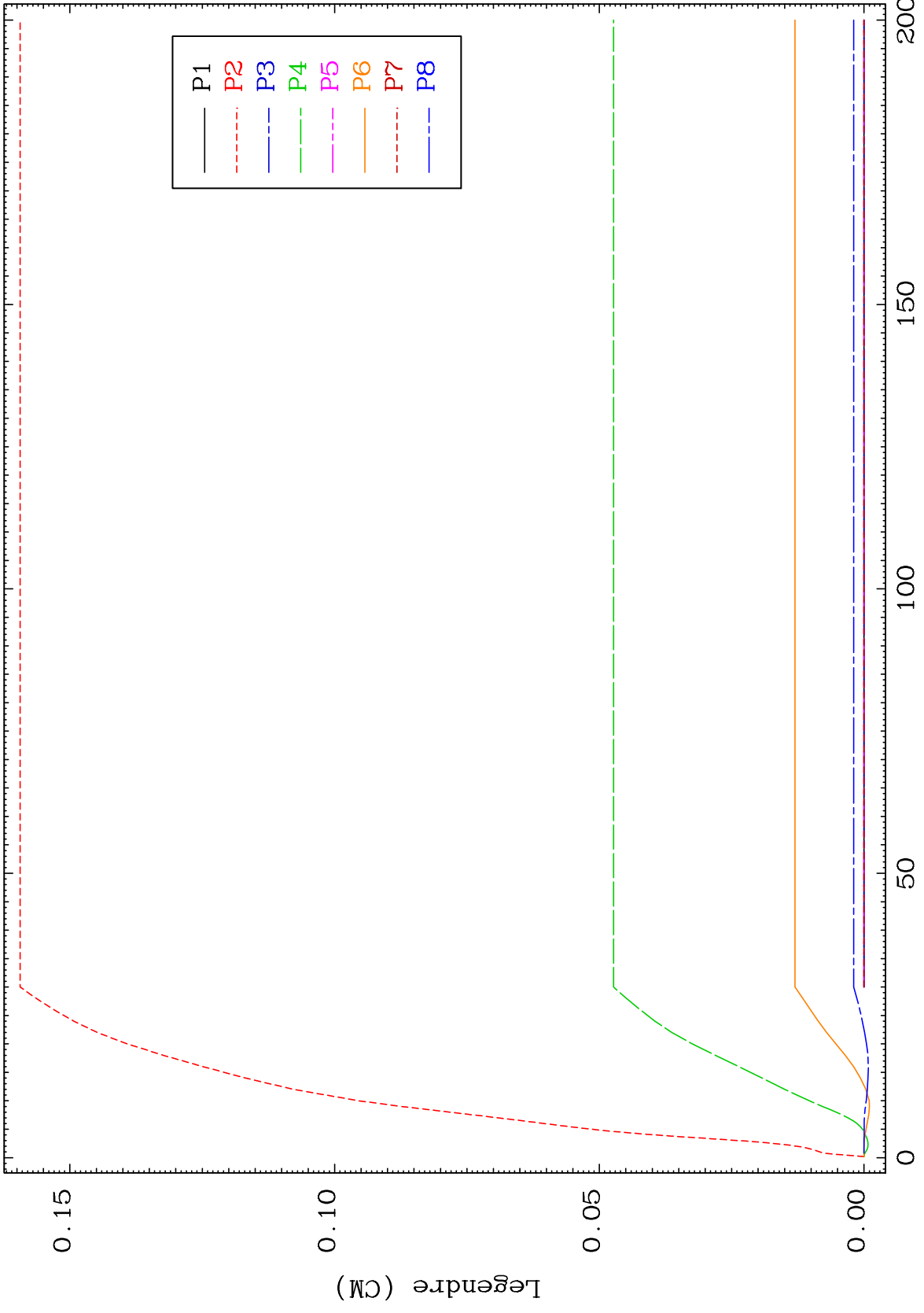


36 53-I -122

MAT 5310

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

53-I -122



37

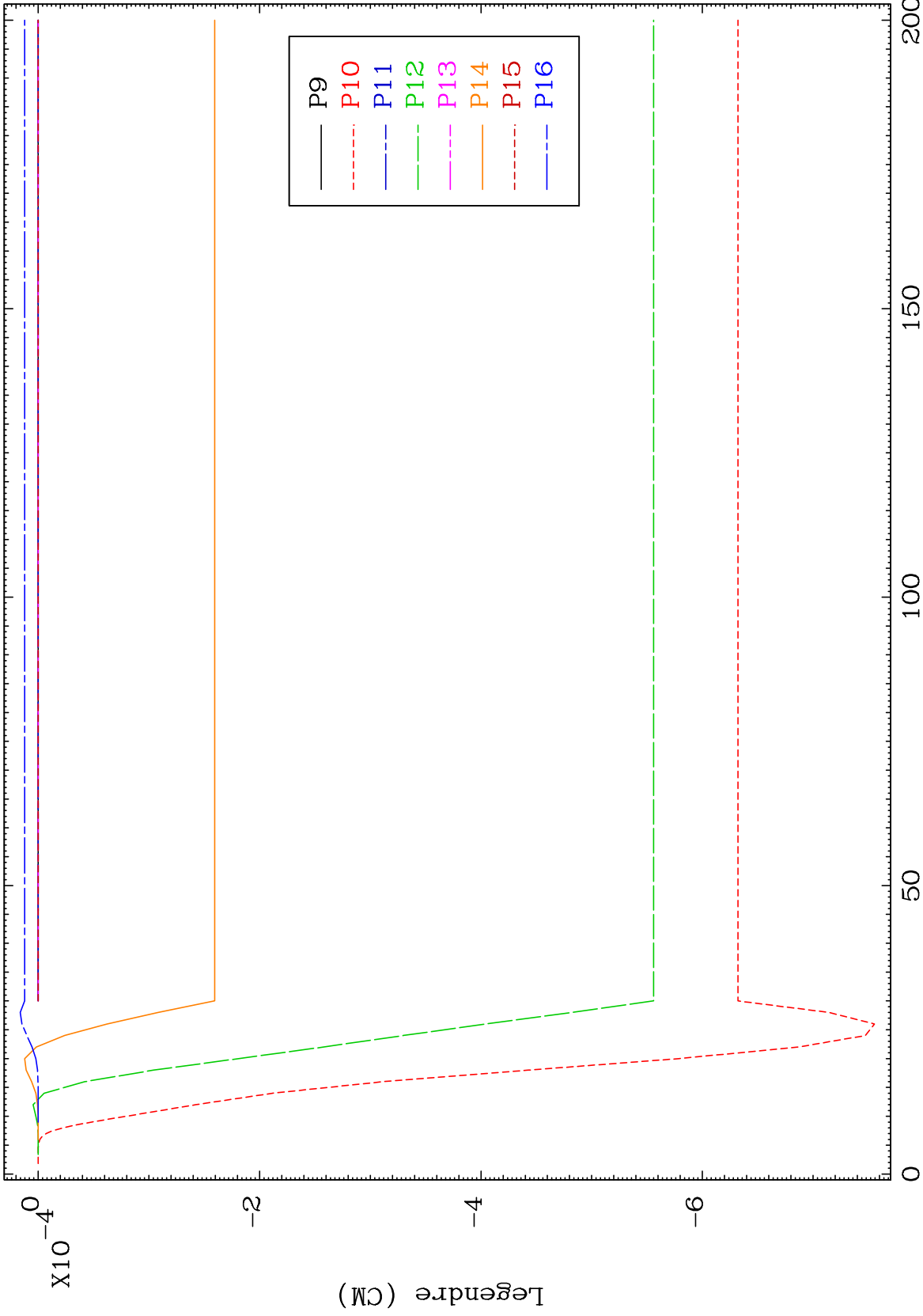
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

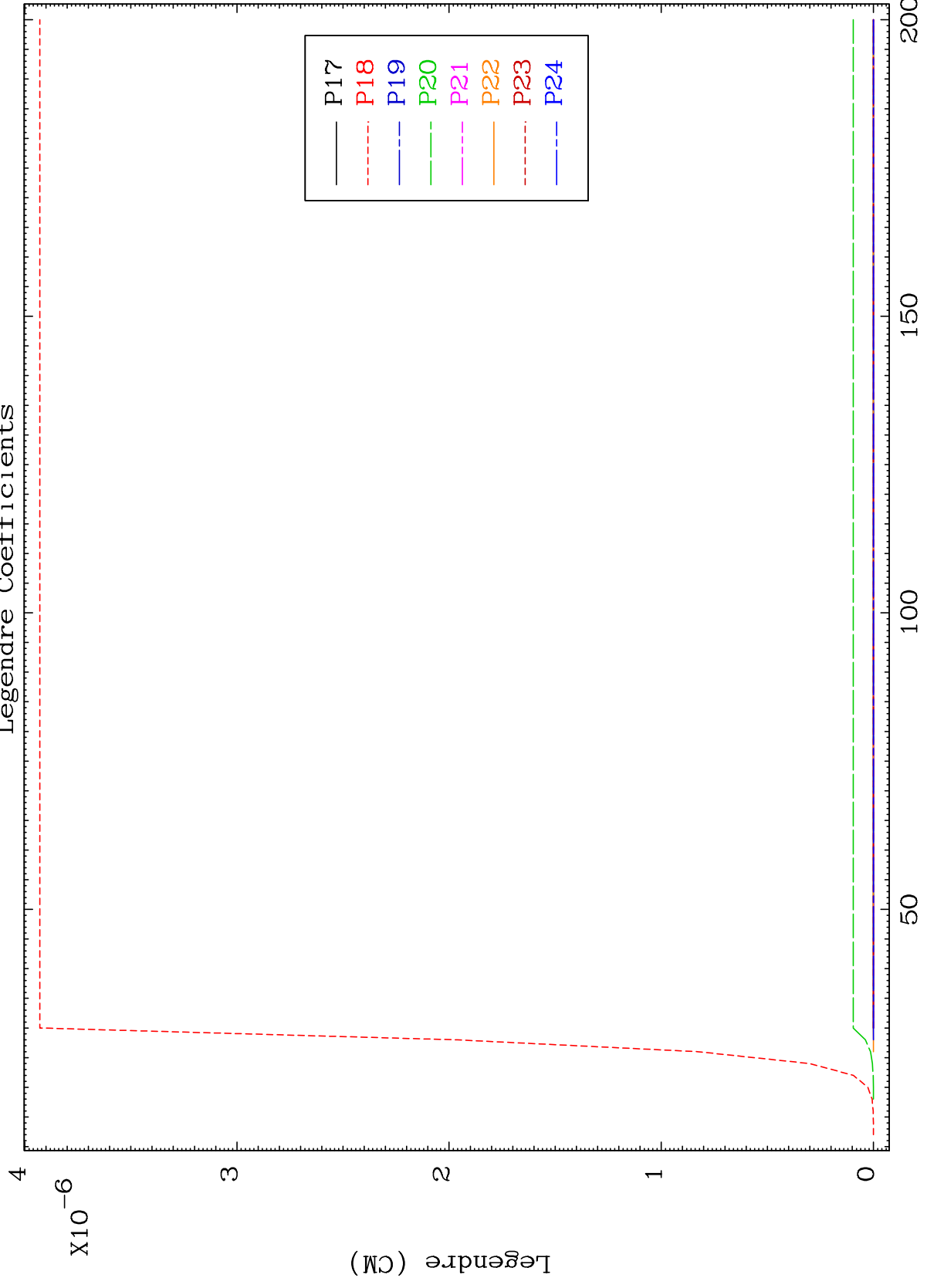


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Incident Energy (MeV)

53-I -122

MAT 5310 MT= 56 (n,n') Level Legendre Coefficients 53-I -122

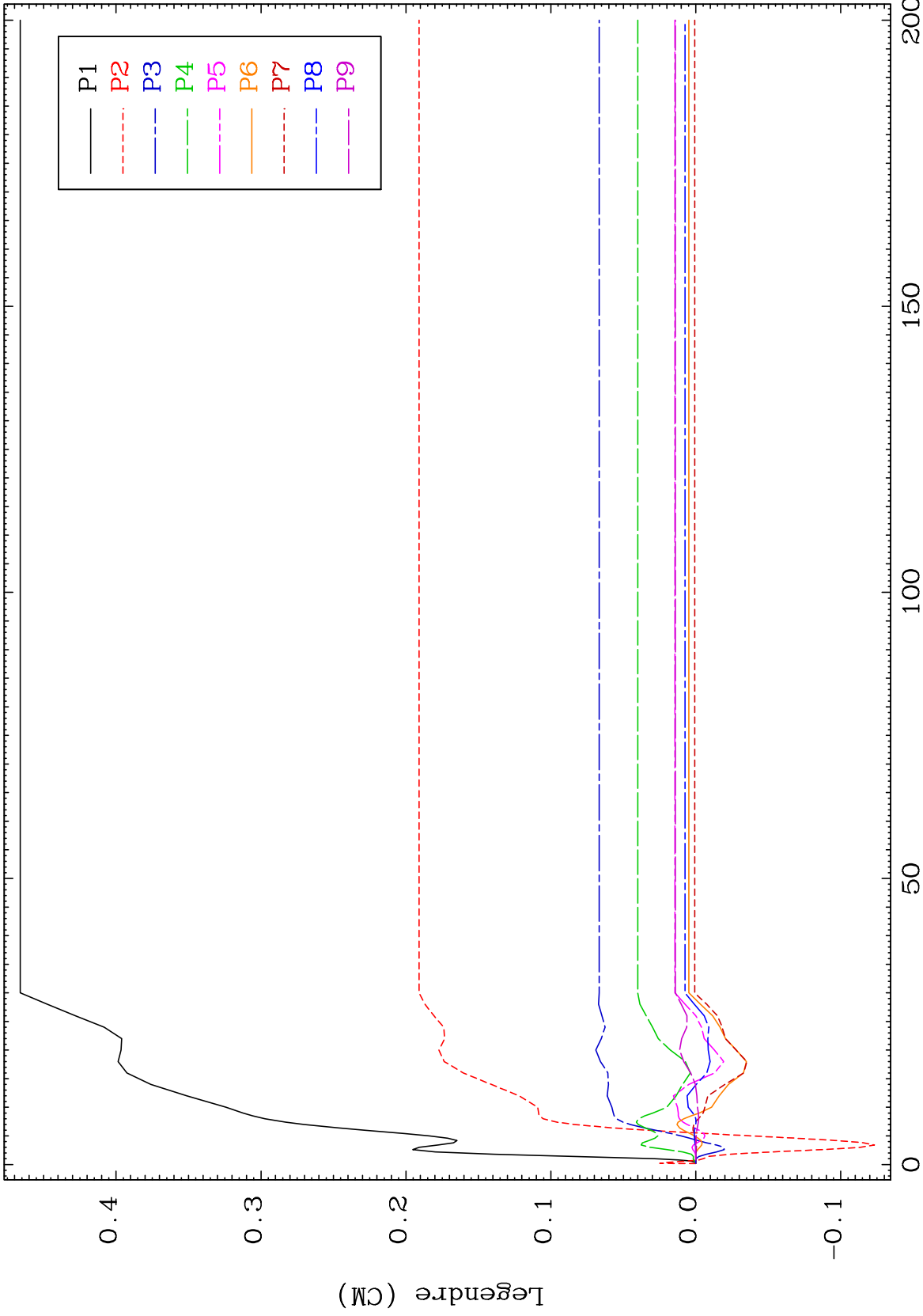


39 53-I -122

MAT 5310

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

53-I -122



40

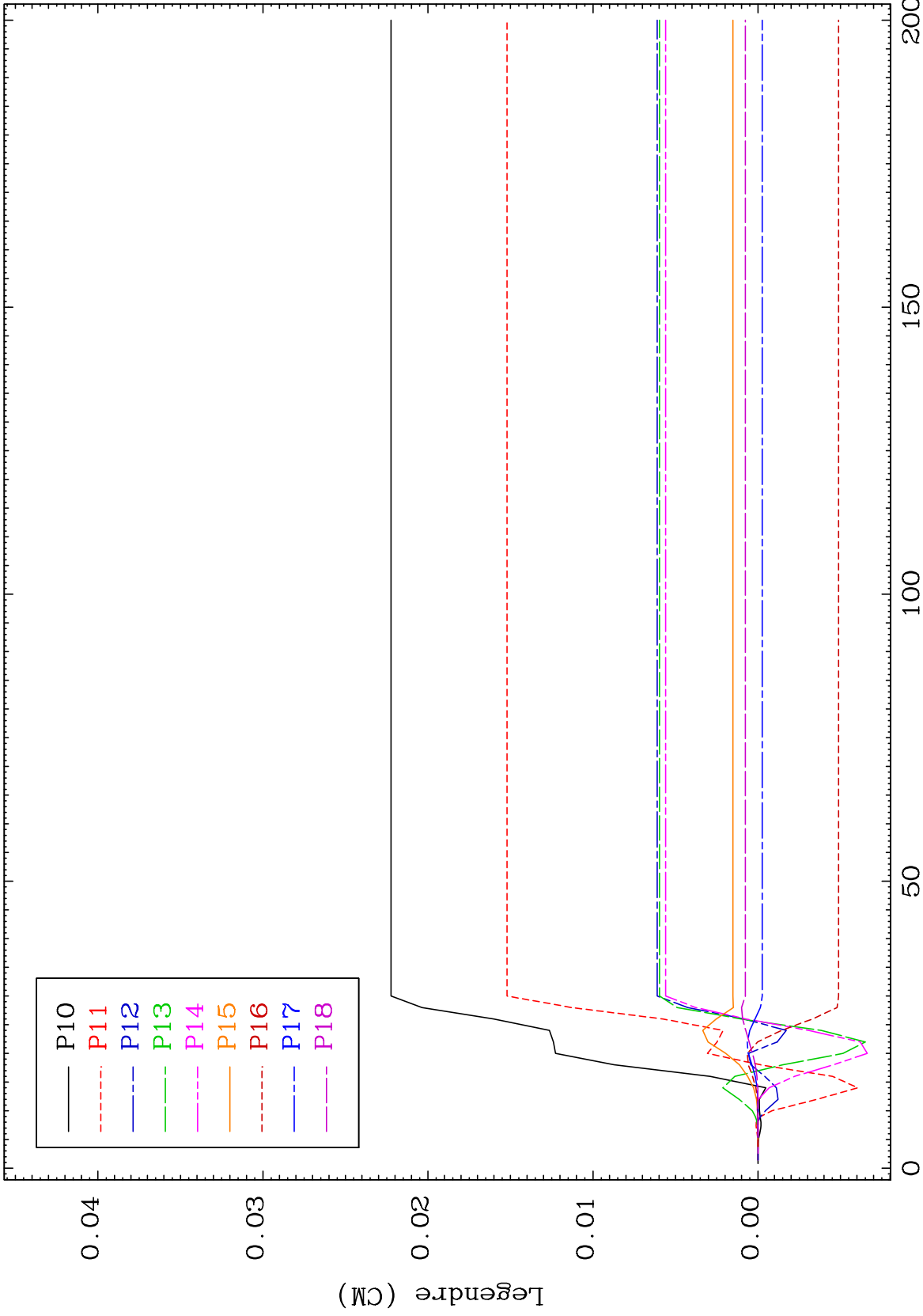
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



41

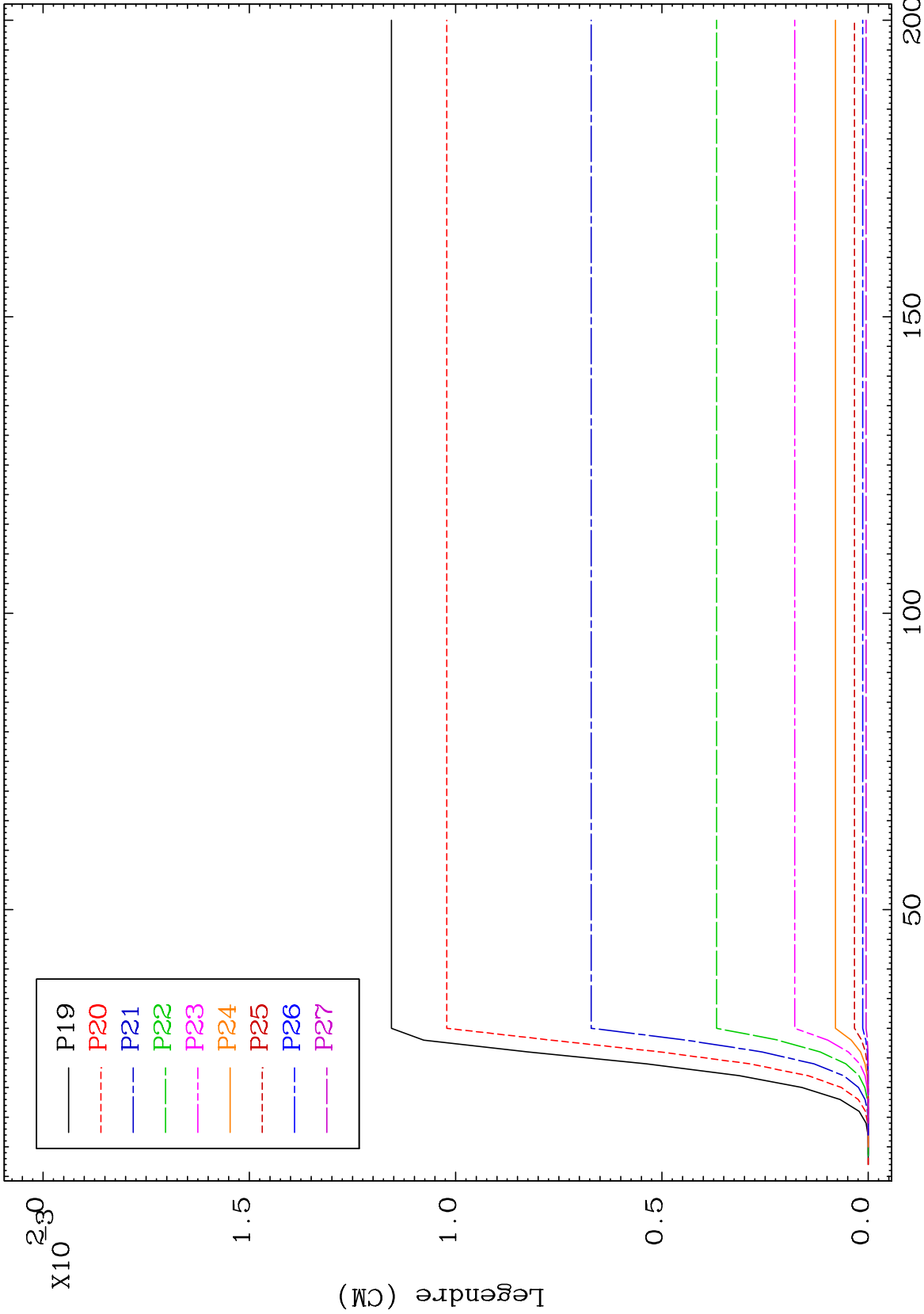
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53-I -122

MAT 5310

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

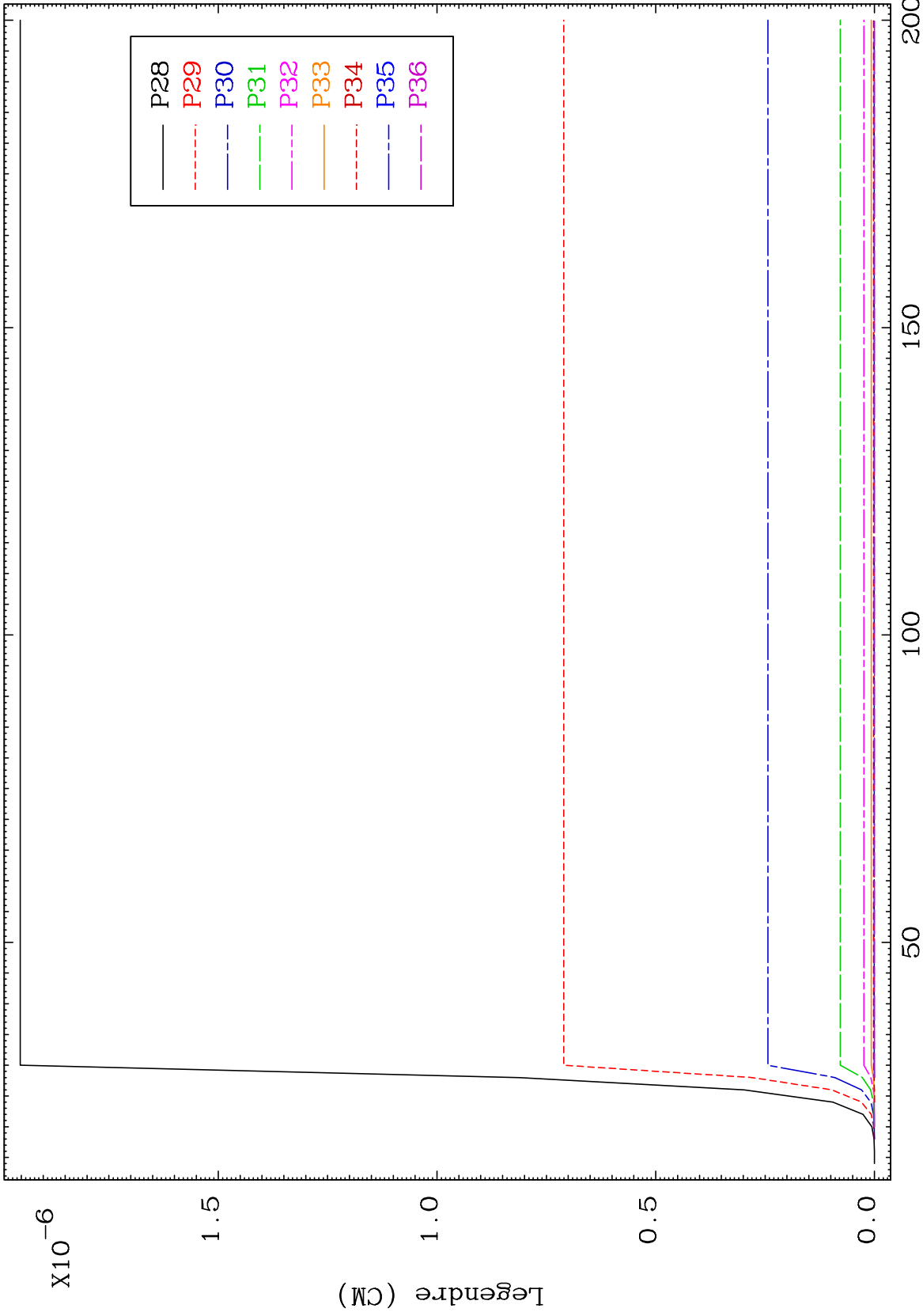
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42

Incident Energy (MeV)

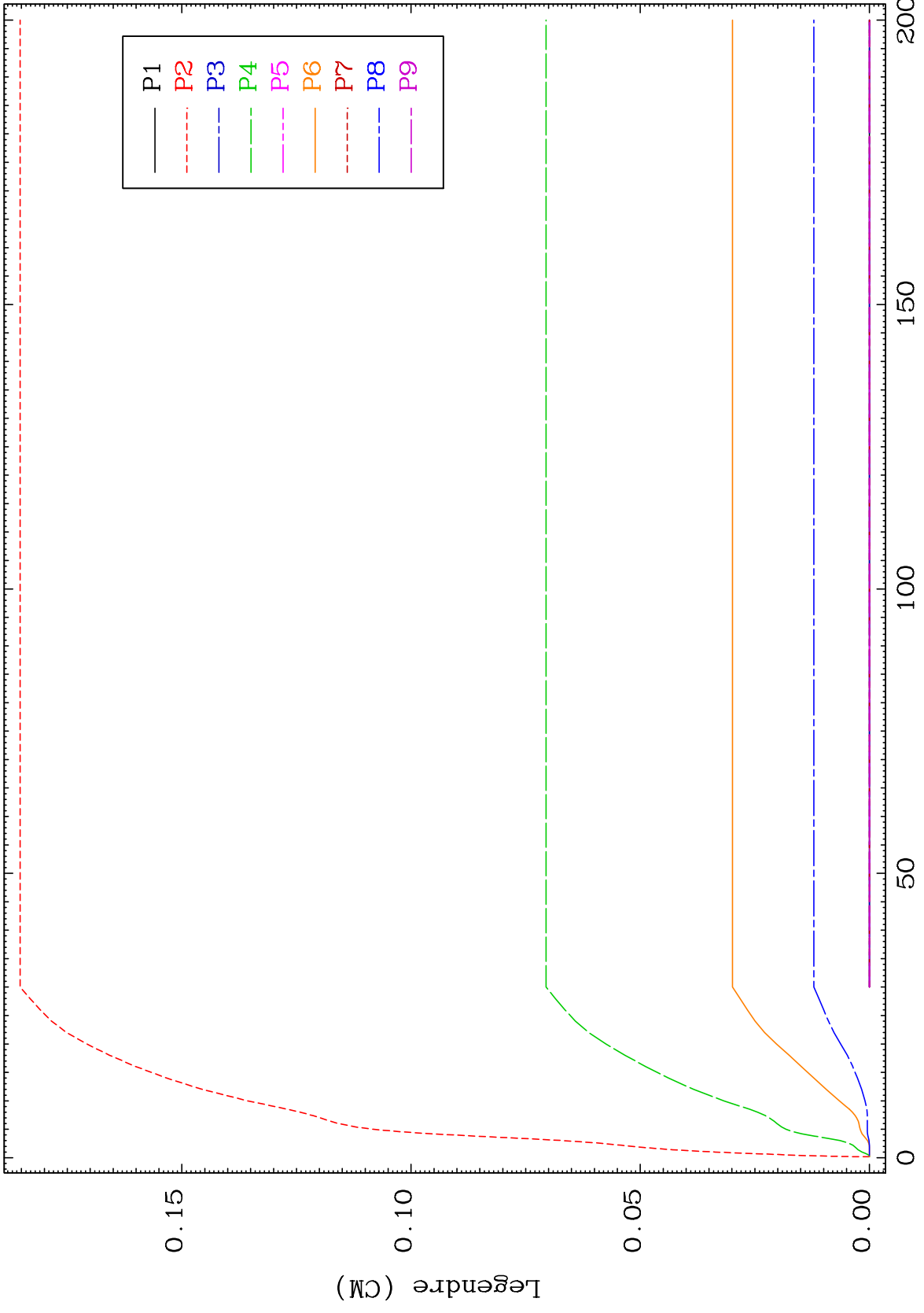
53-I -122



MAT 5310

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

53-I -122



44

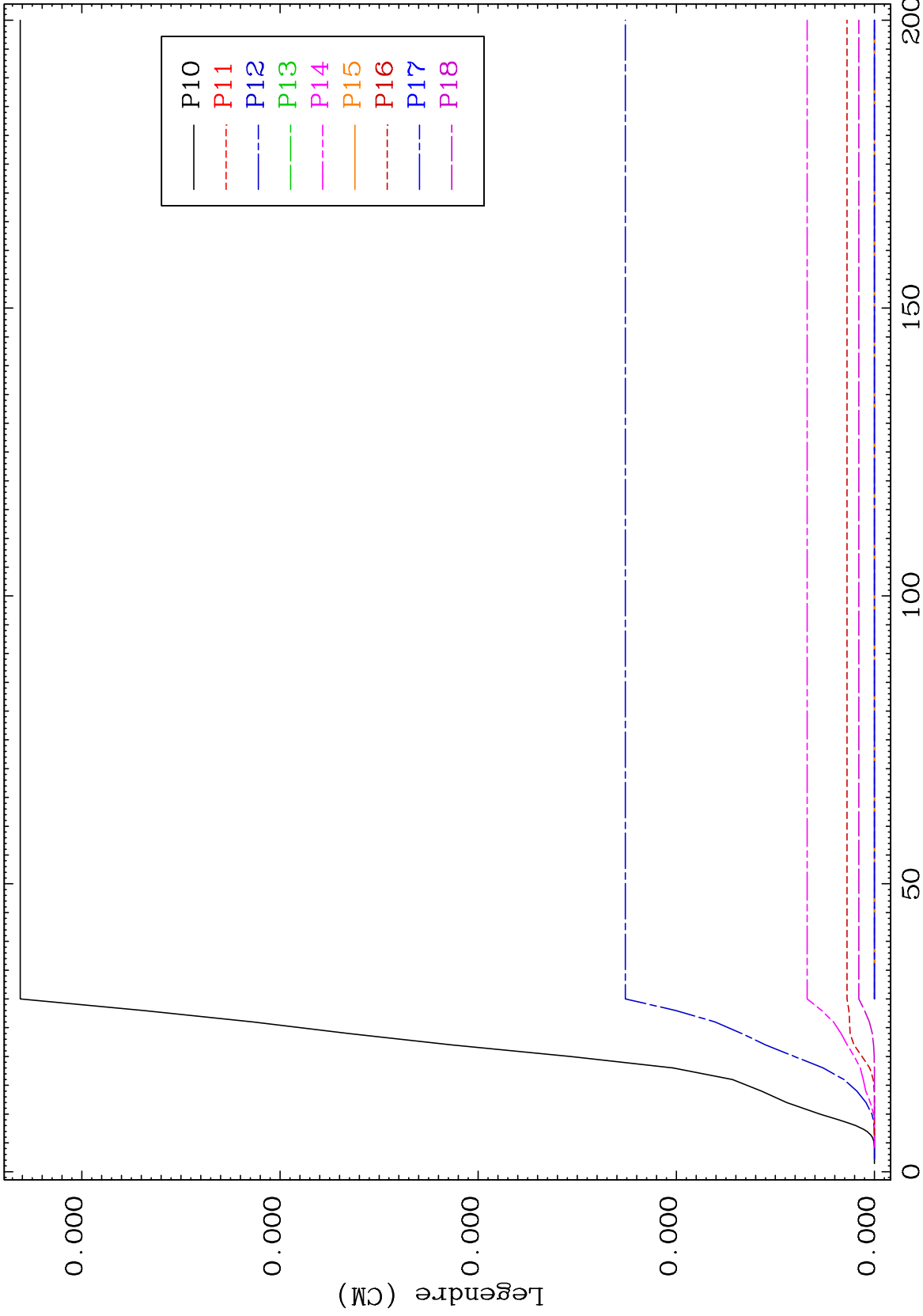
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



45

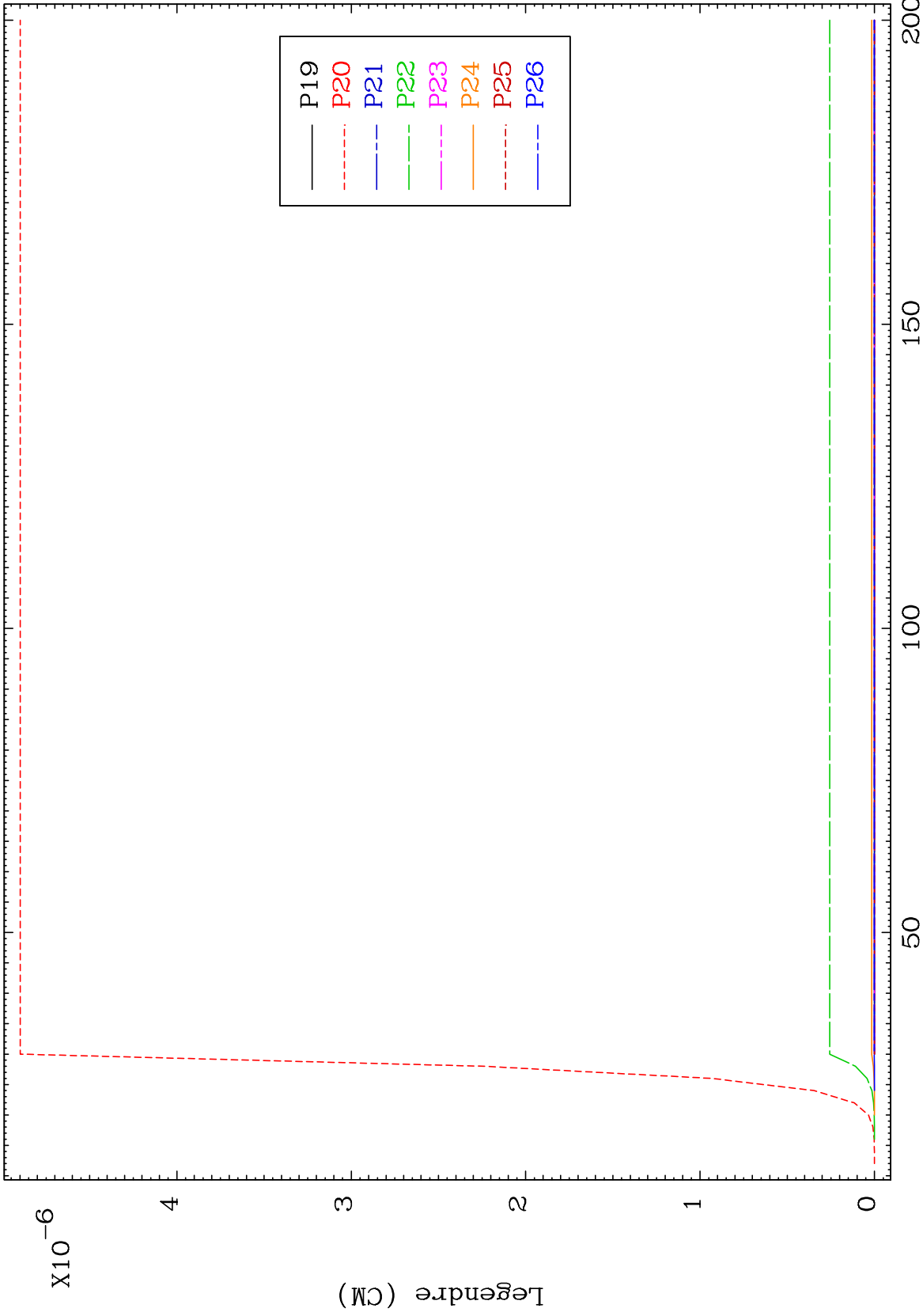
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



46

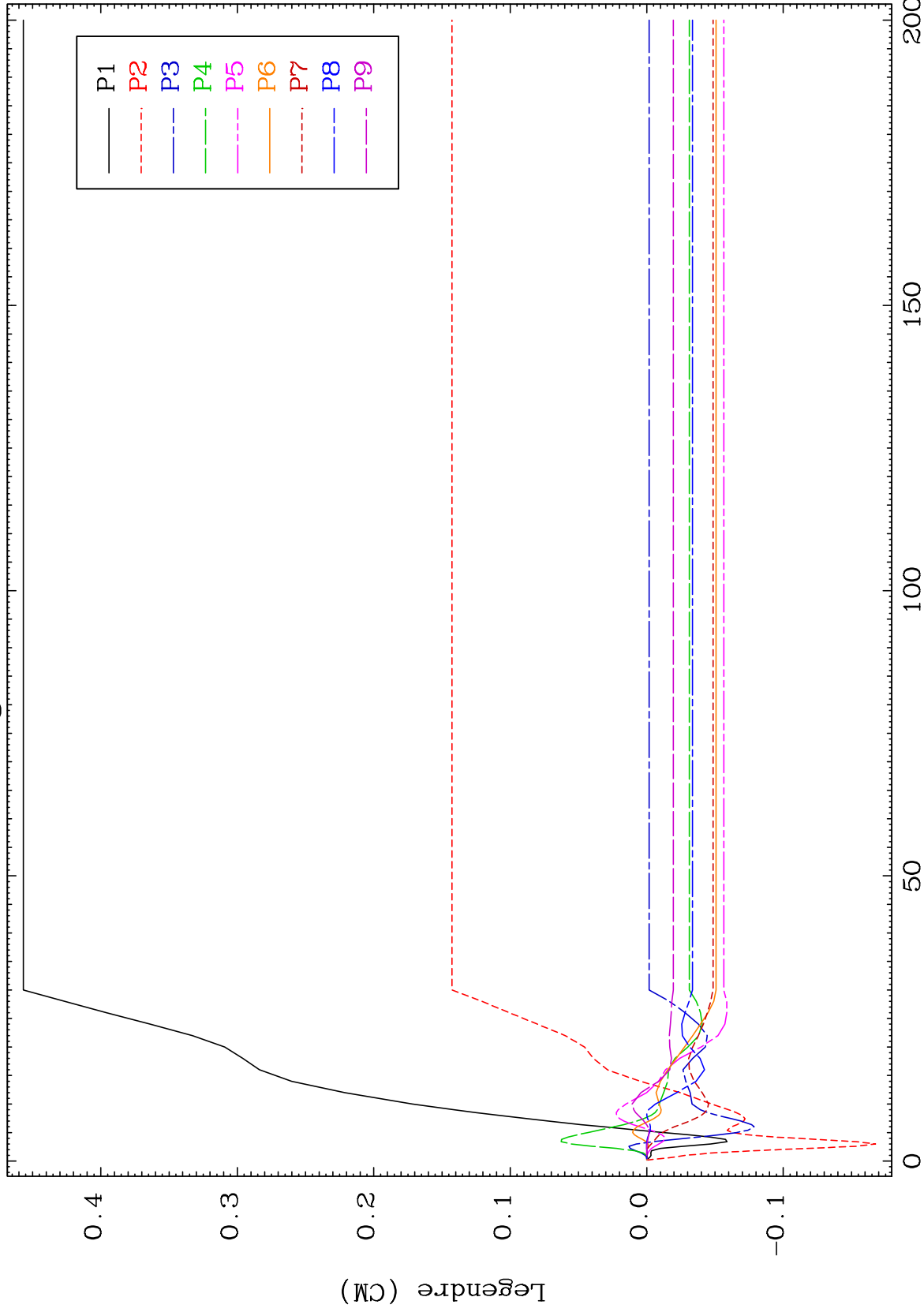
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



47

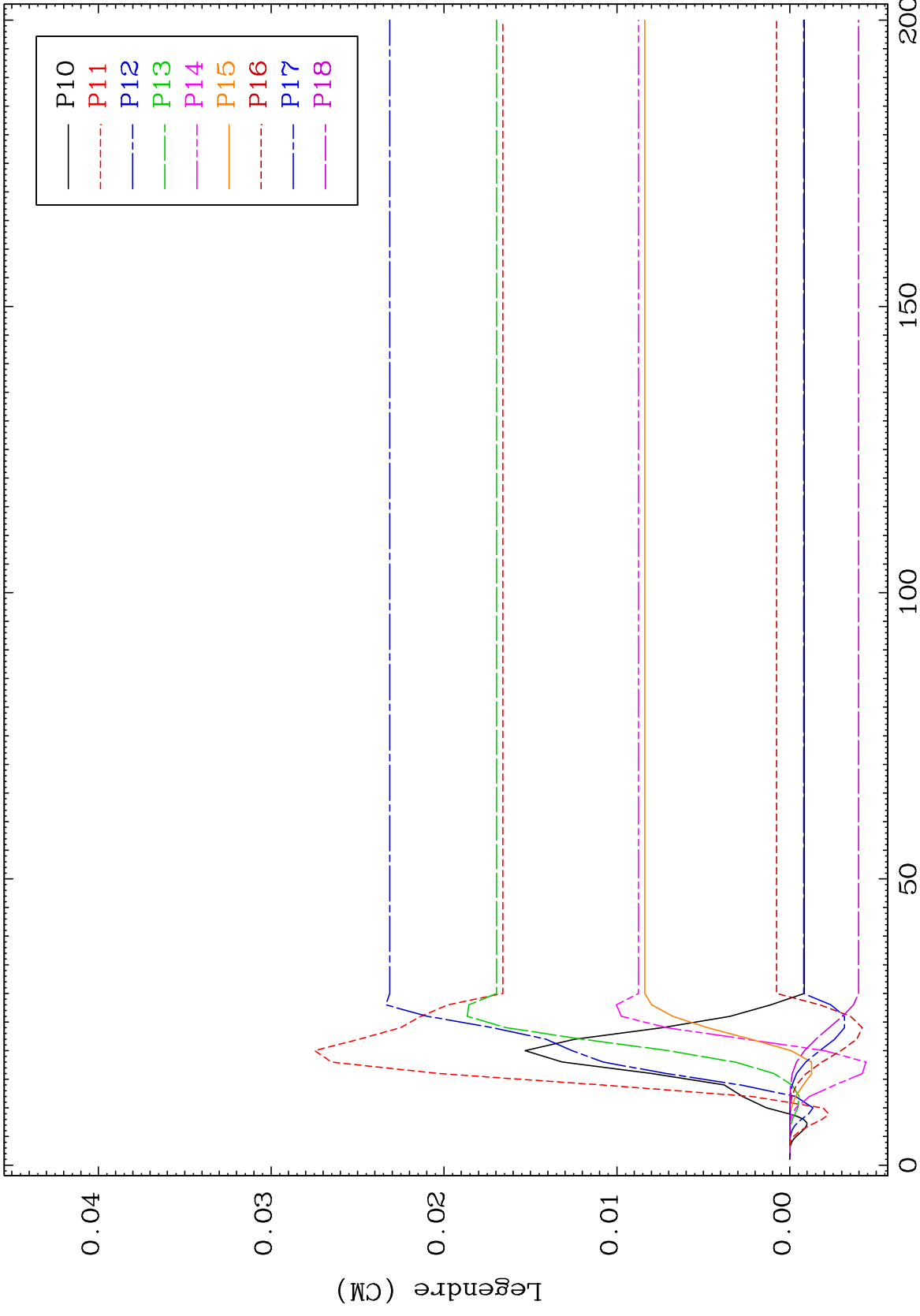
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



48

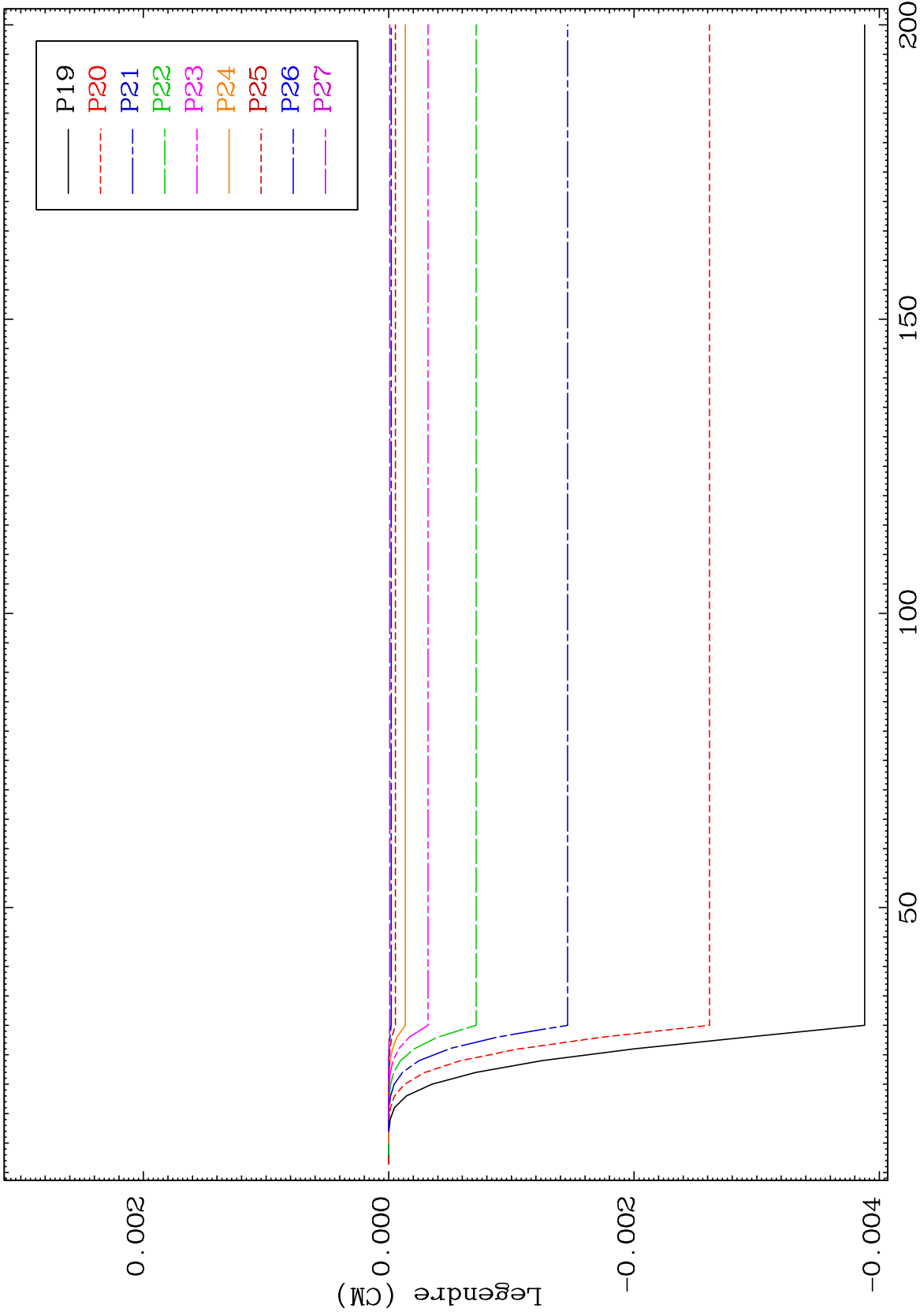
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

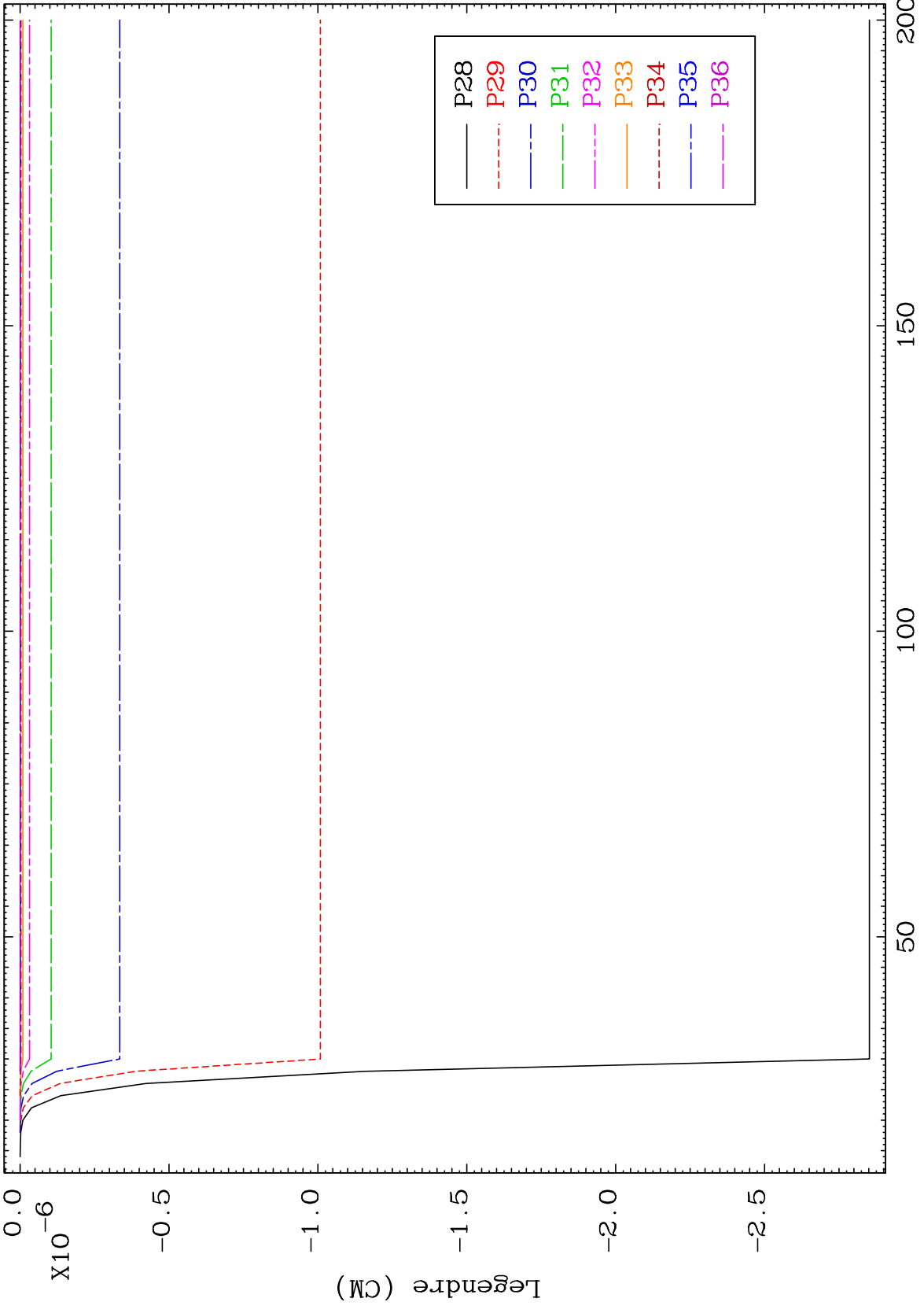


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Incident Energy (MeV)

53-I -122

MAT 5310 MT= 59 (n,n') Level Legendre Coefficients 53-I -122

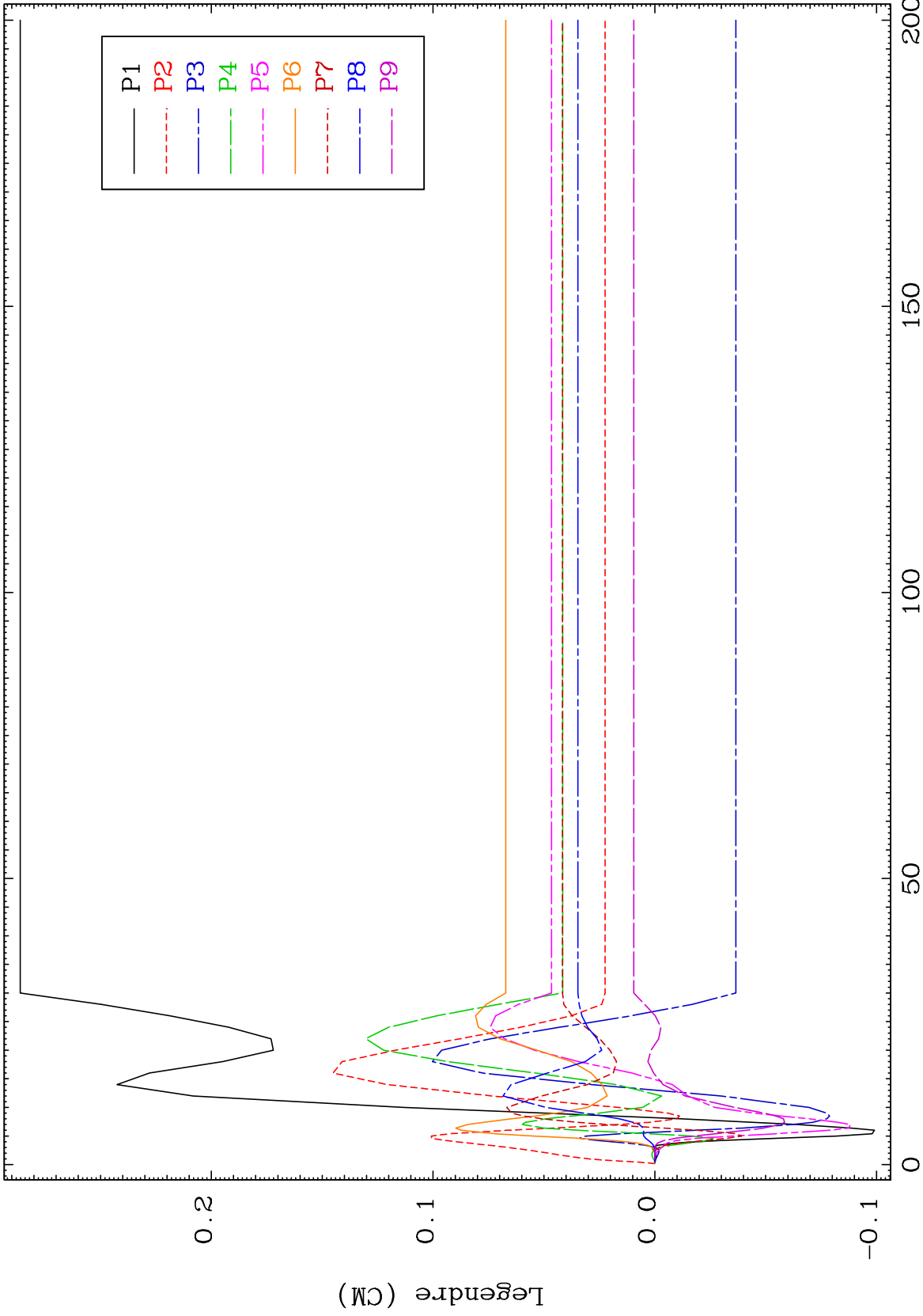


53-I -122

MAT 5310

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

53-I -122



51

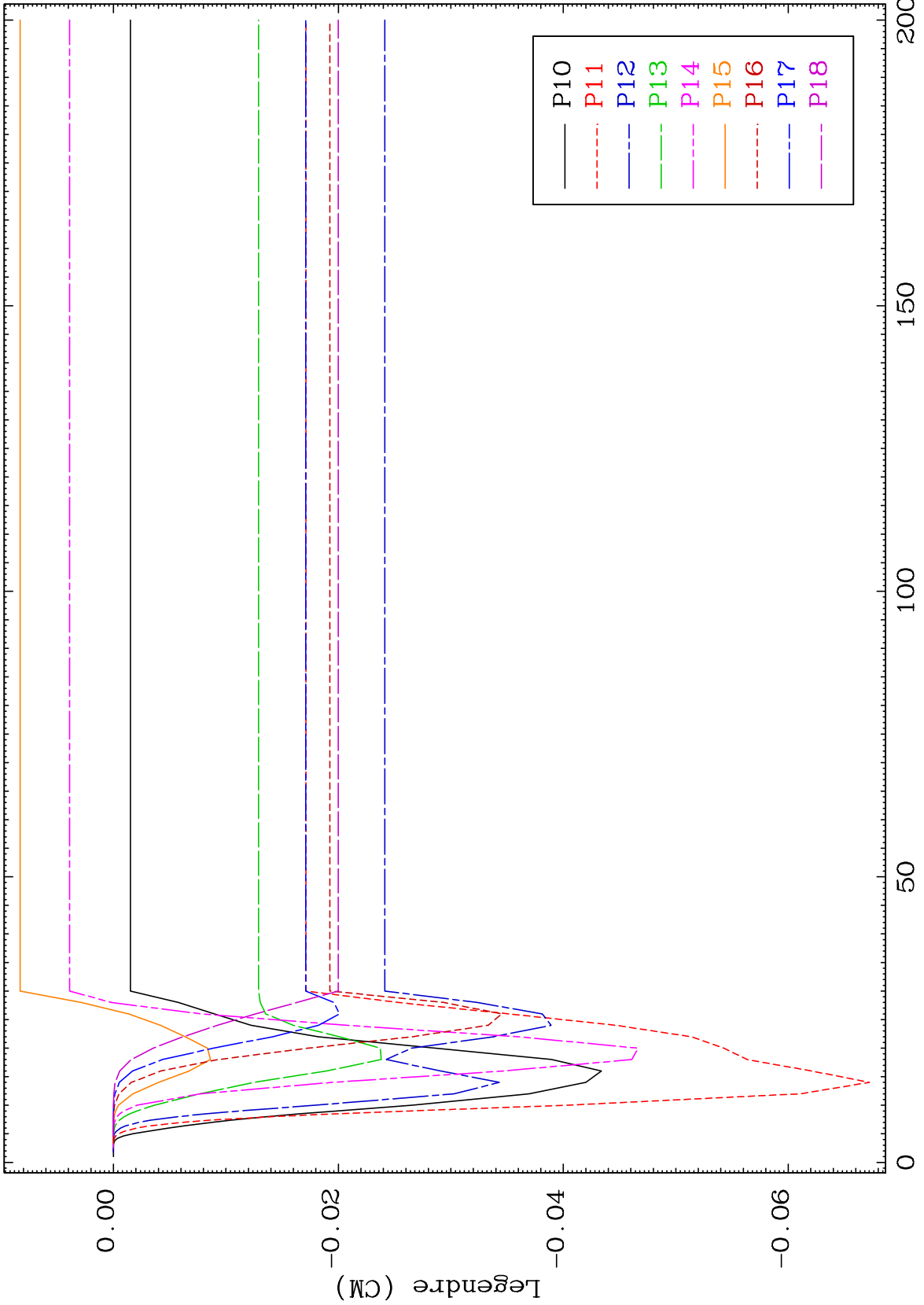
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

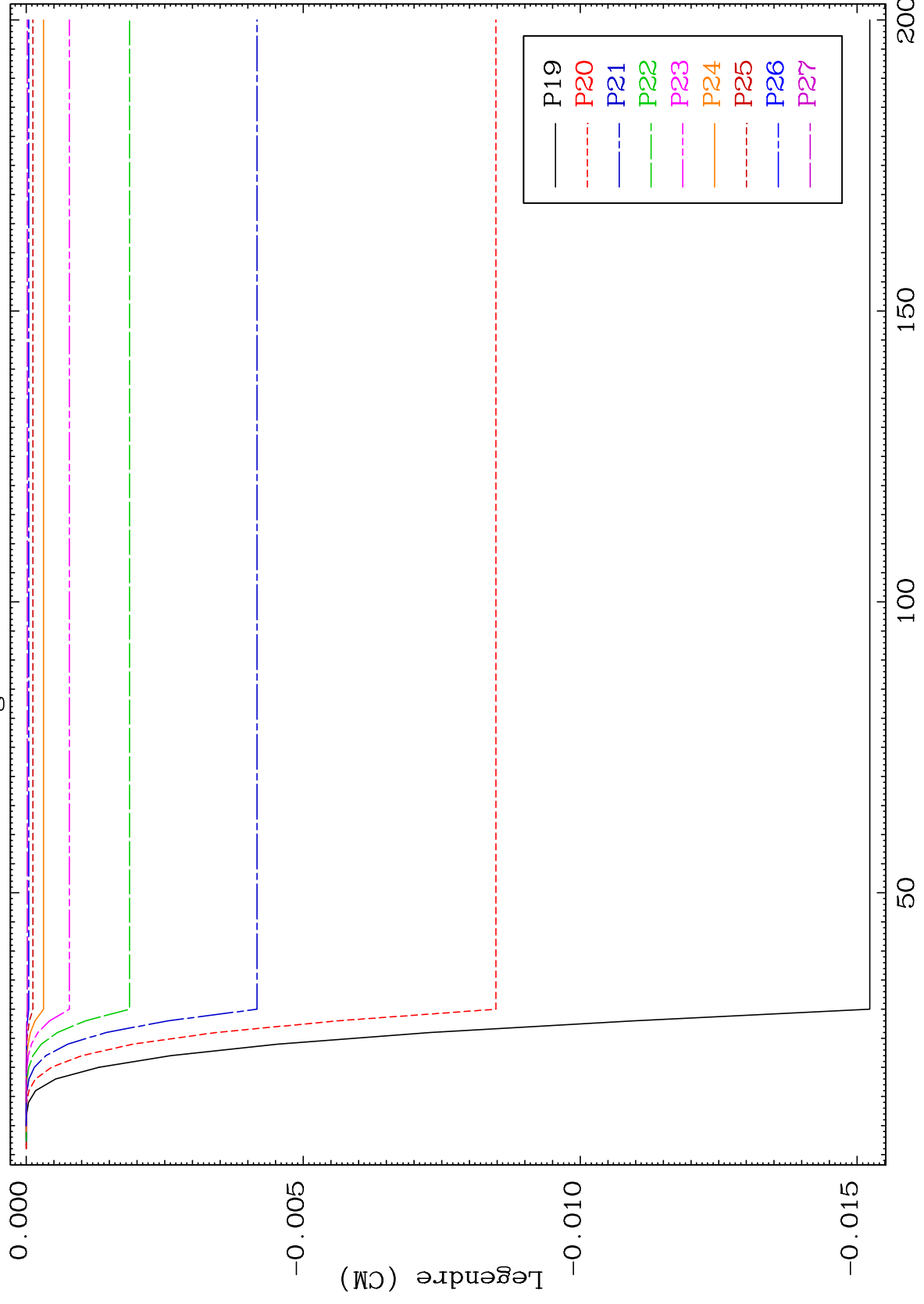


52

Incident Energy (MeV)

53-I -122

MAT 5310 MT= 60 (n,n') Level Legendre Coefficients 53-I -122

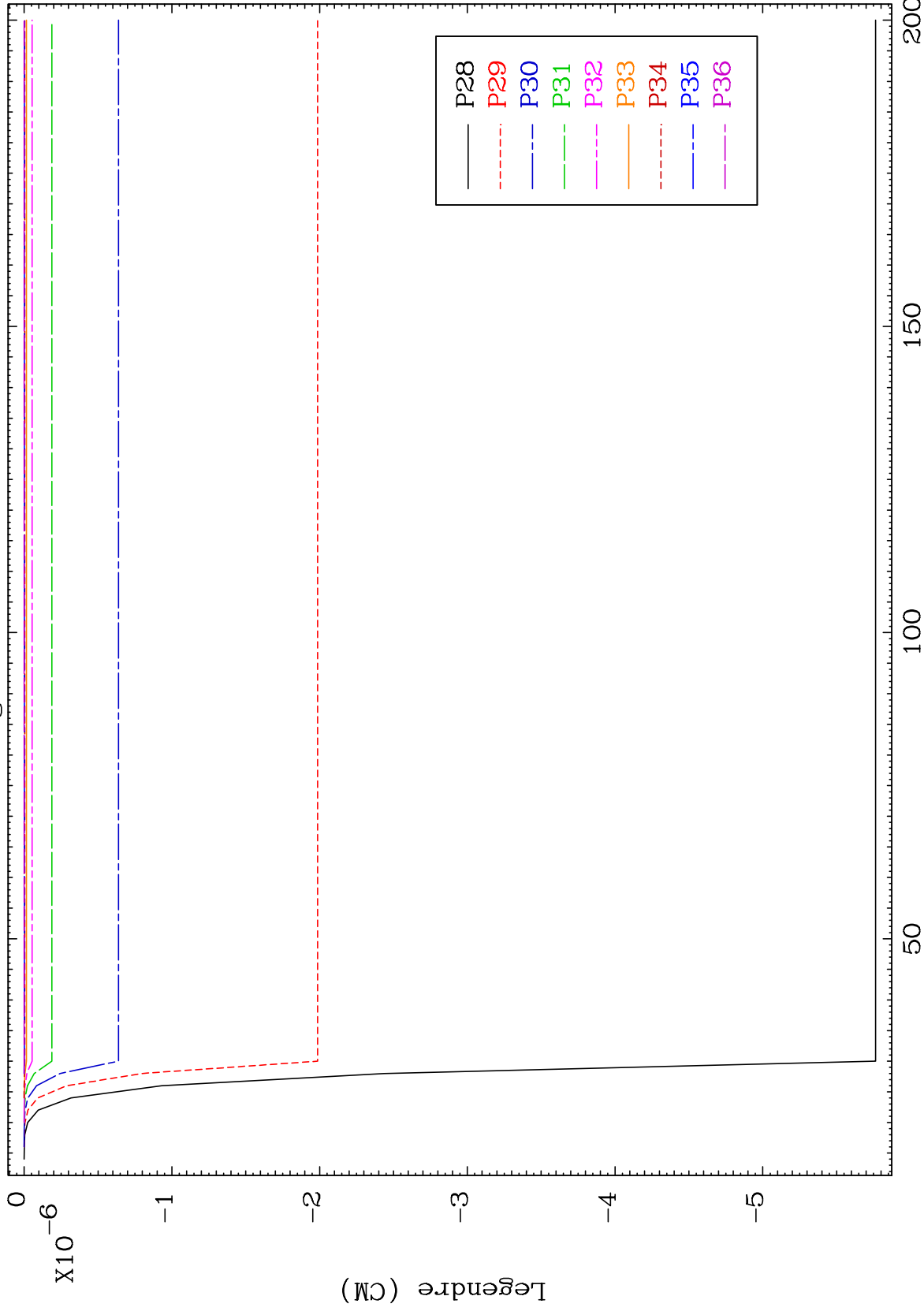


53 Incident Energy (MeV) 53-I -122

MAT 5310

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

53-I -122



54

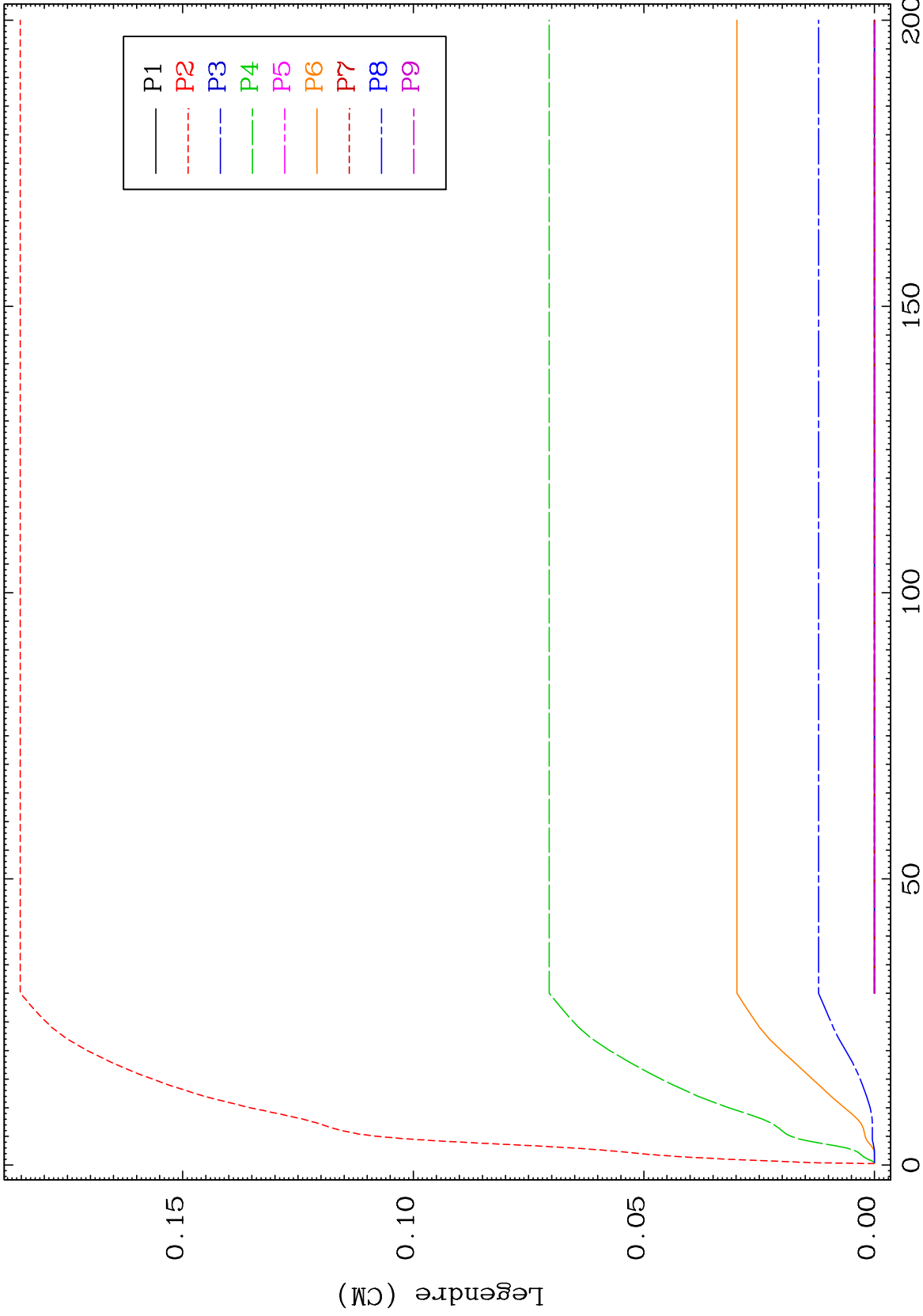
Incident Energy (MeV)

53-I -122

MAT 5310

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

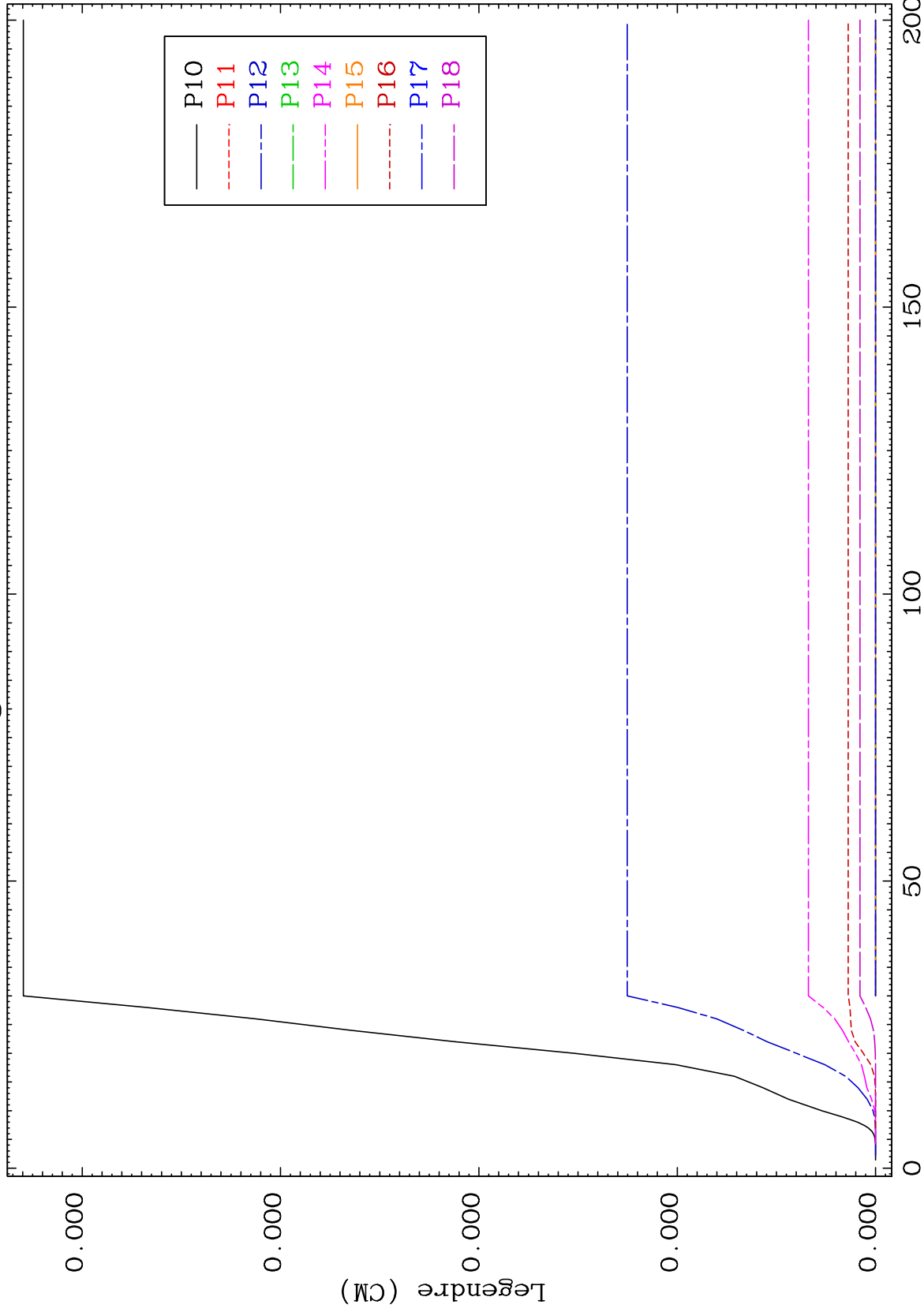
53-I -122



55

Incident Energy (MeV)

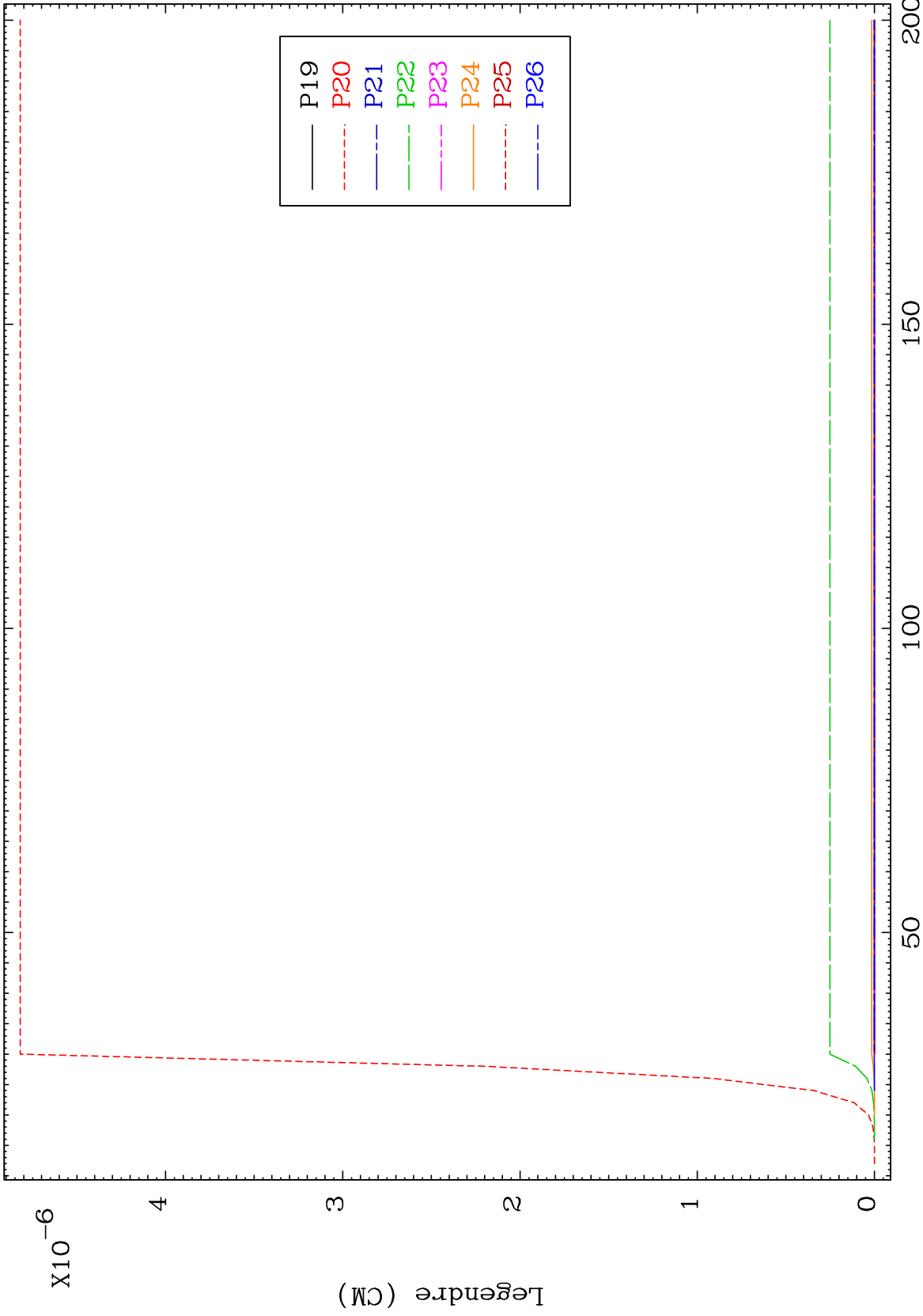
53-I -122



MAT 5310

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

53-I -122



57

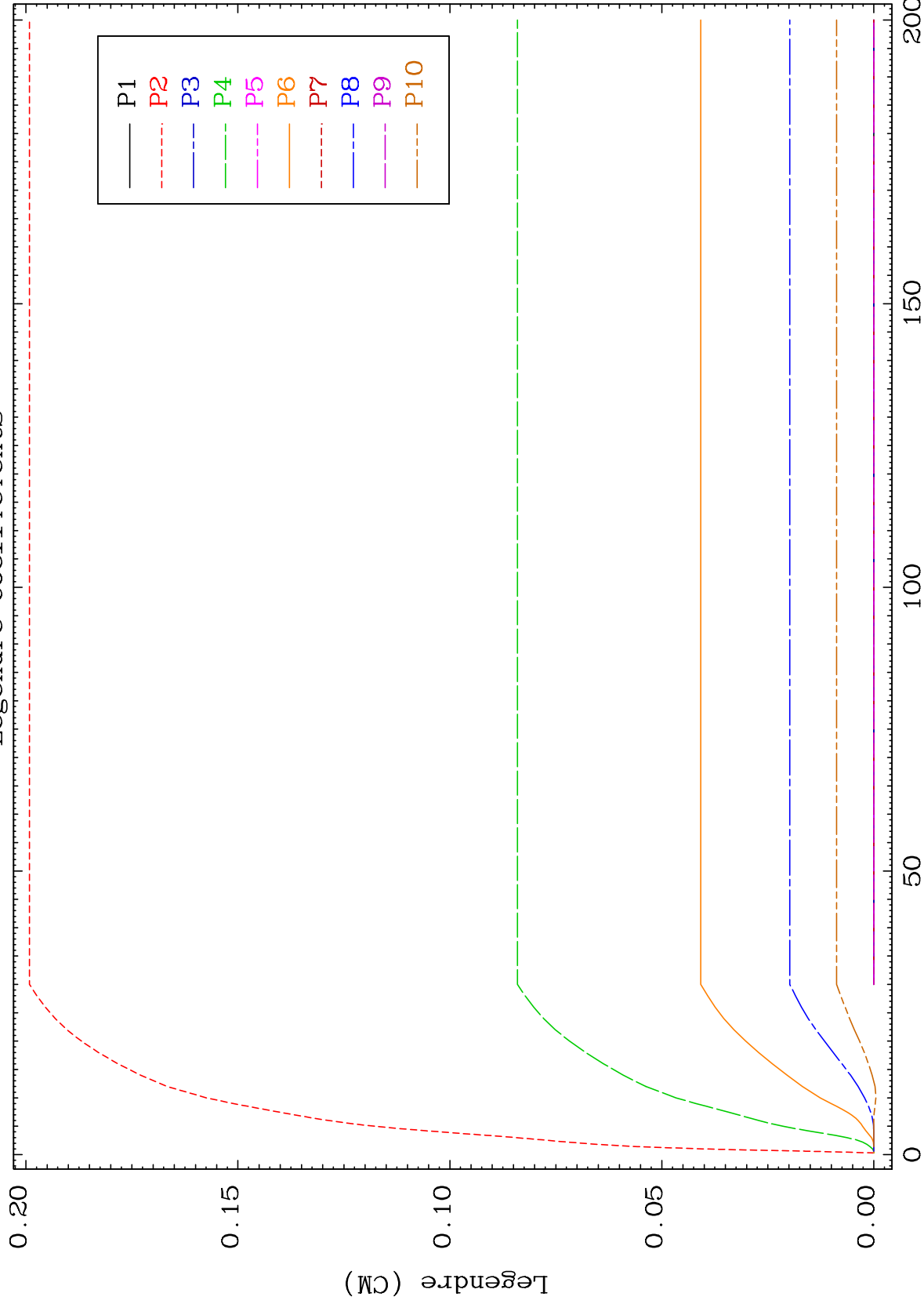
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



58

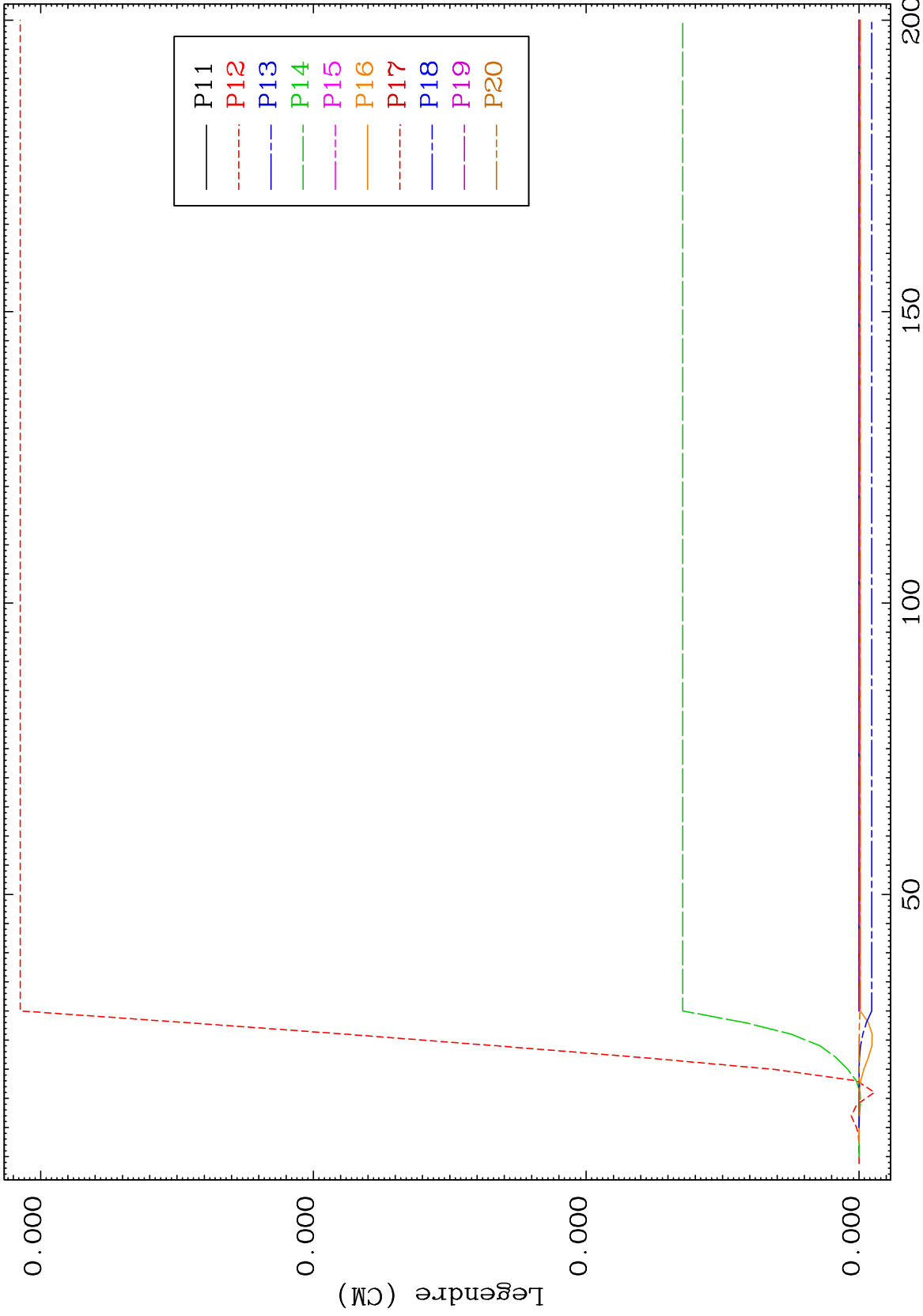
Incident Energy (MeV)

53-I -122

MAT 5310

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

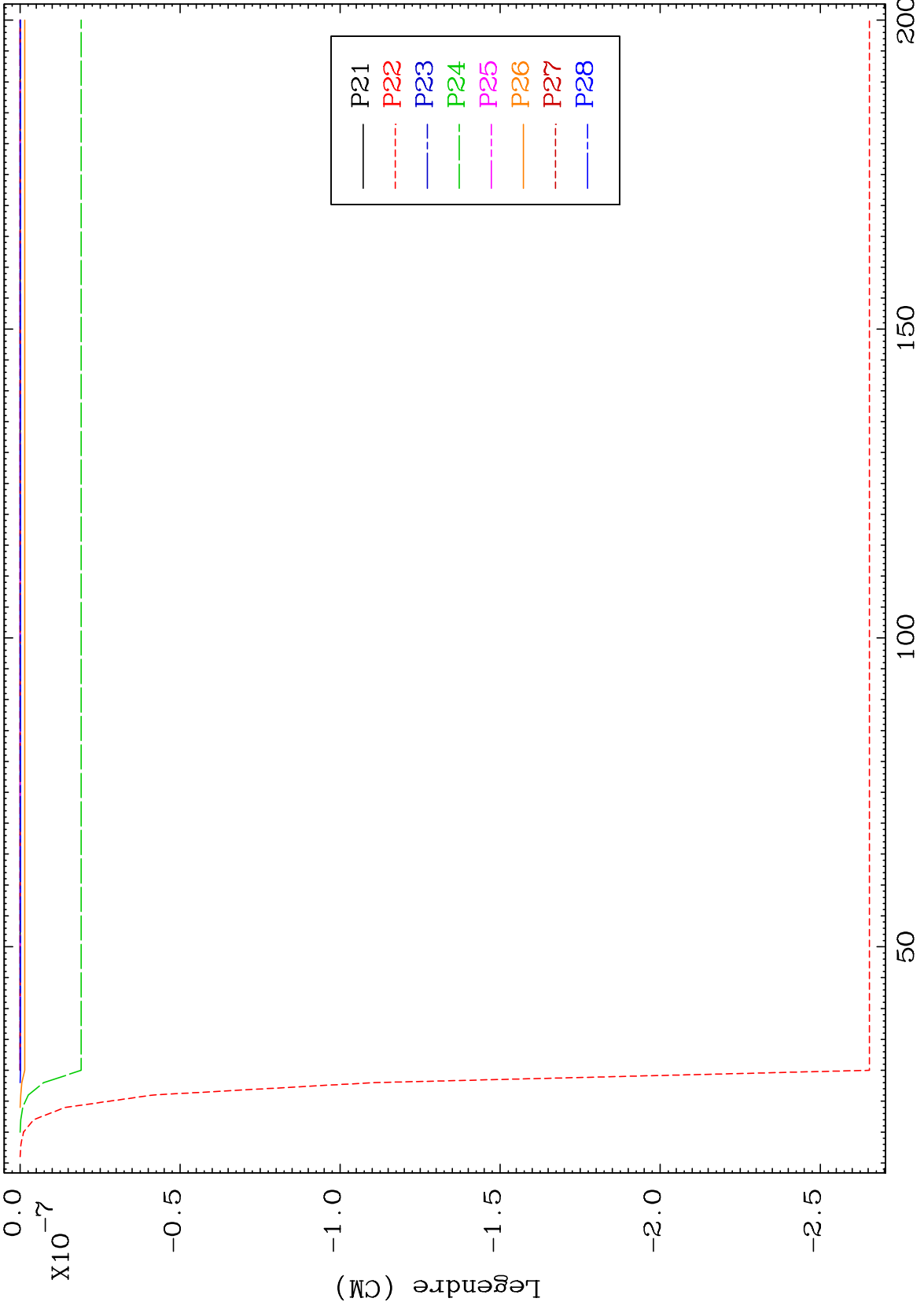
53-I -122



59

53-I -122

MAT 5310 MT= 62 (n,n') Level Legendre Coefficients 53-I -122

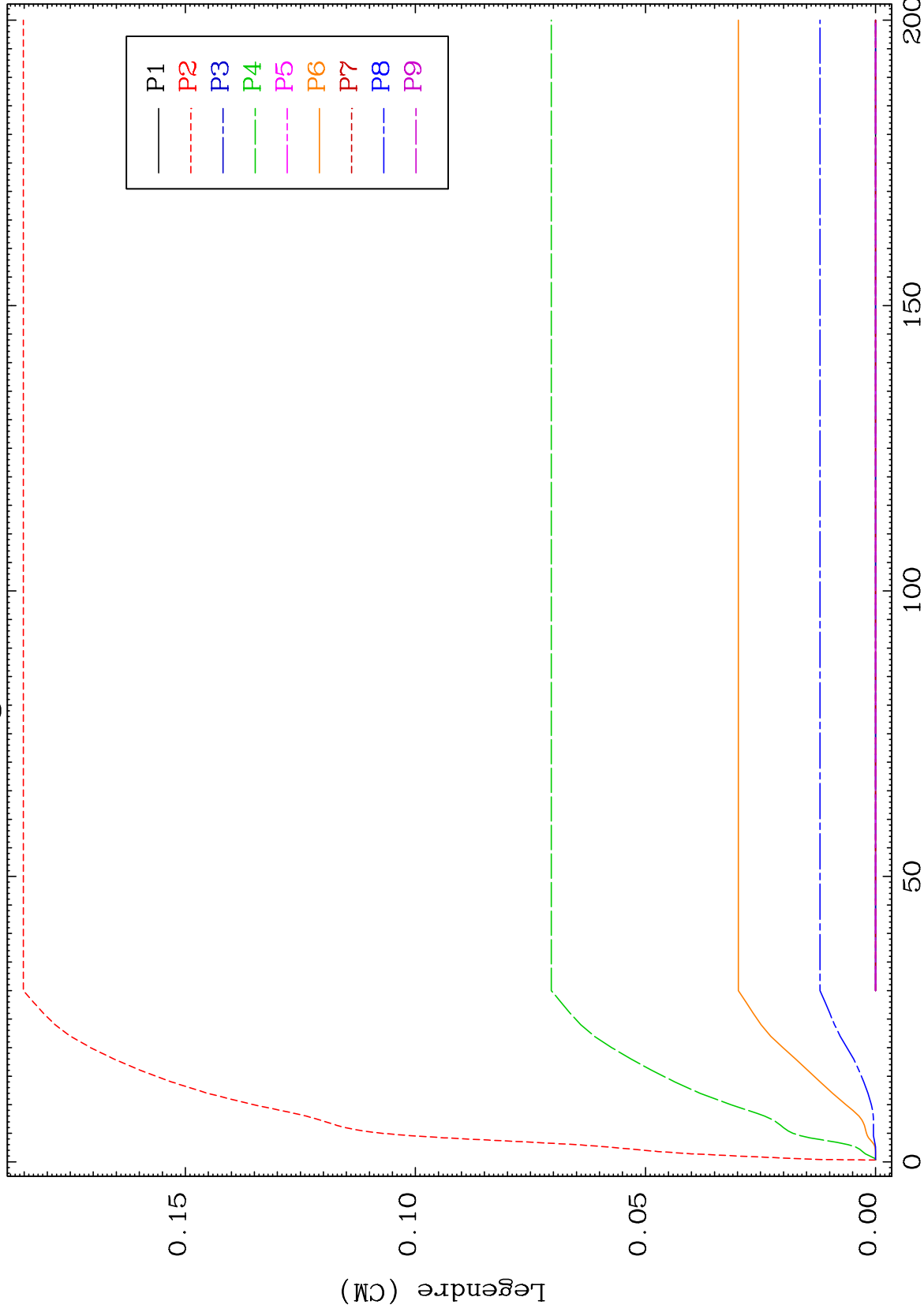


60 50 100 150 200 53-I -122

MAT 5310

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

53-I -122



61

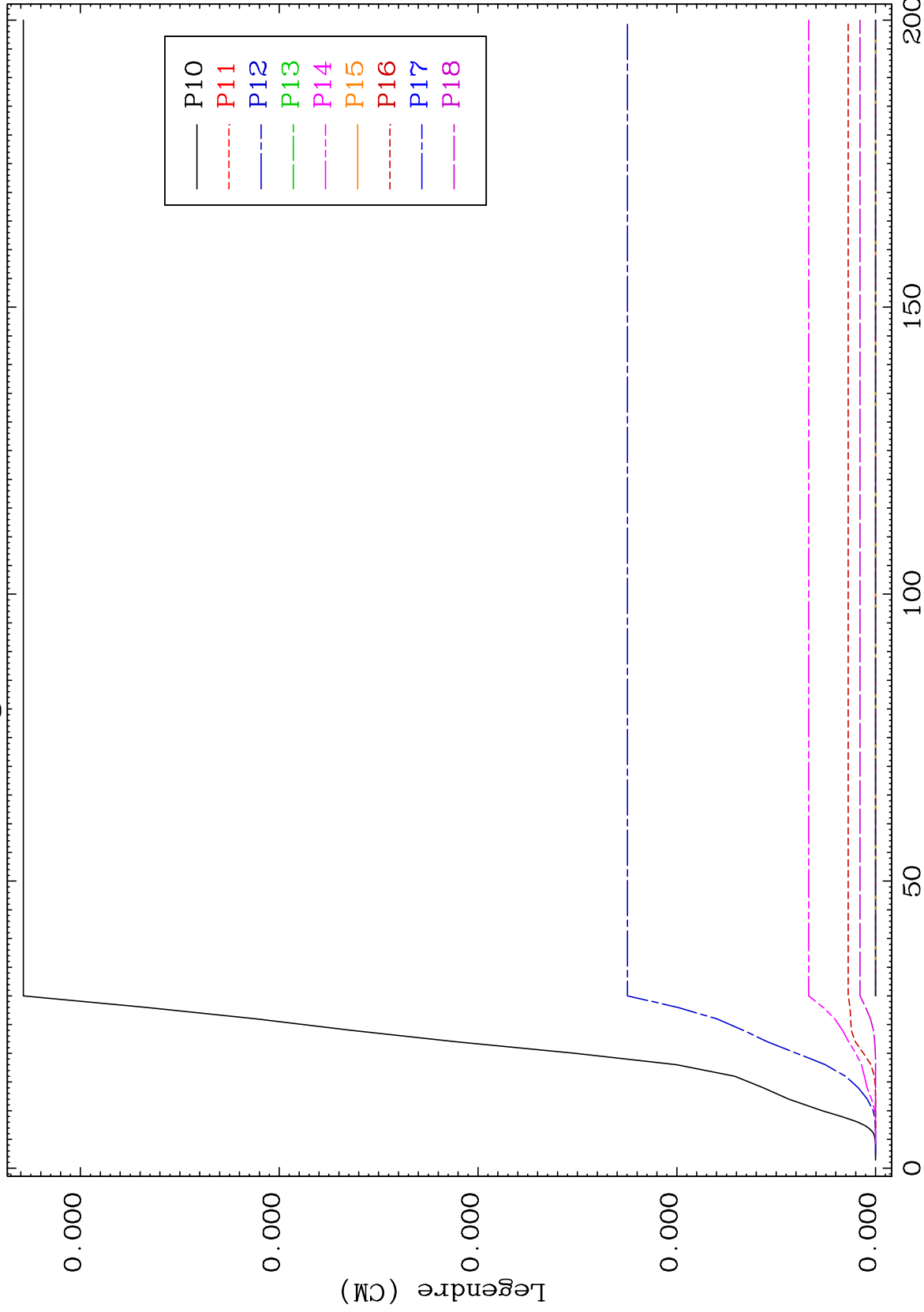
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



62

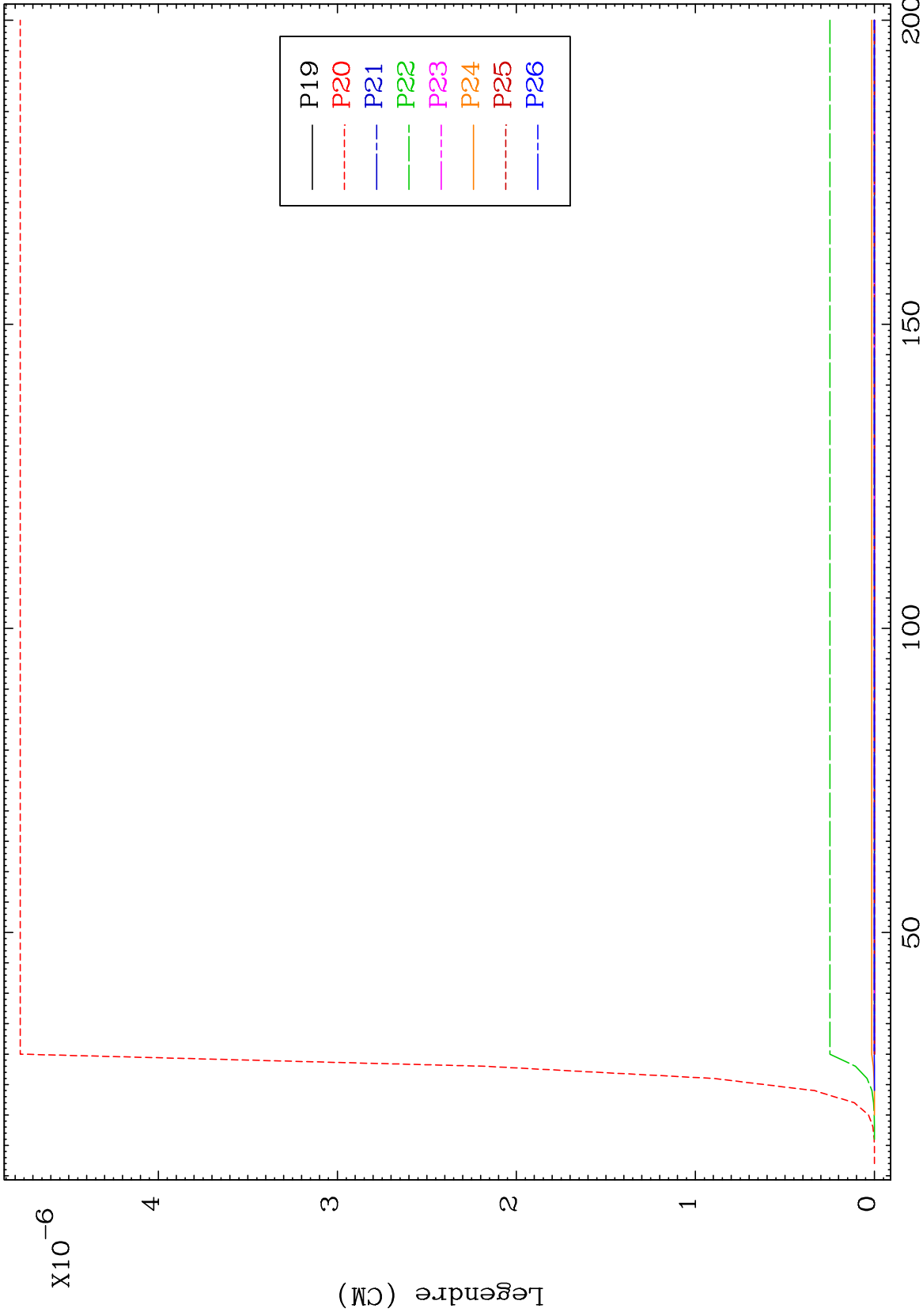
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



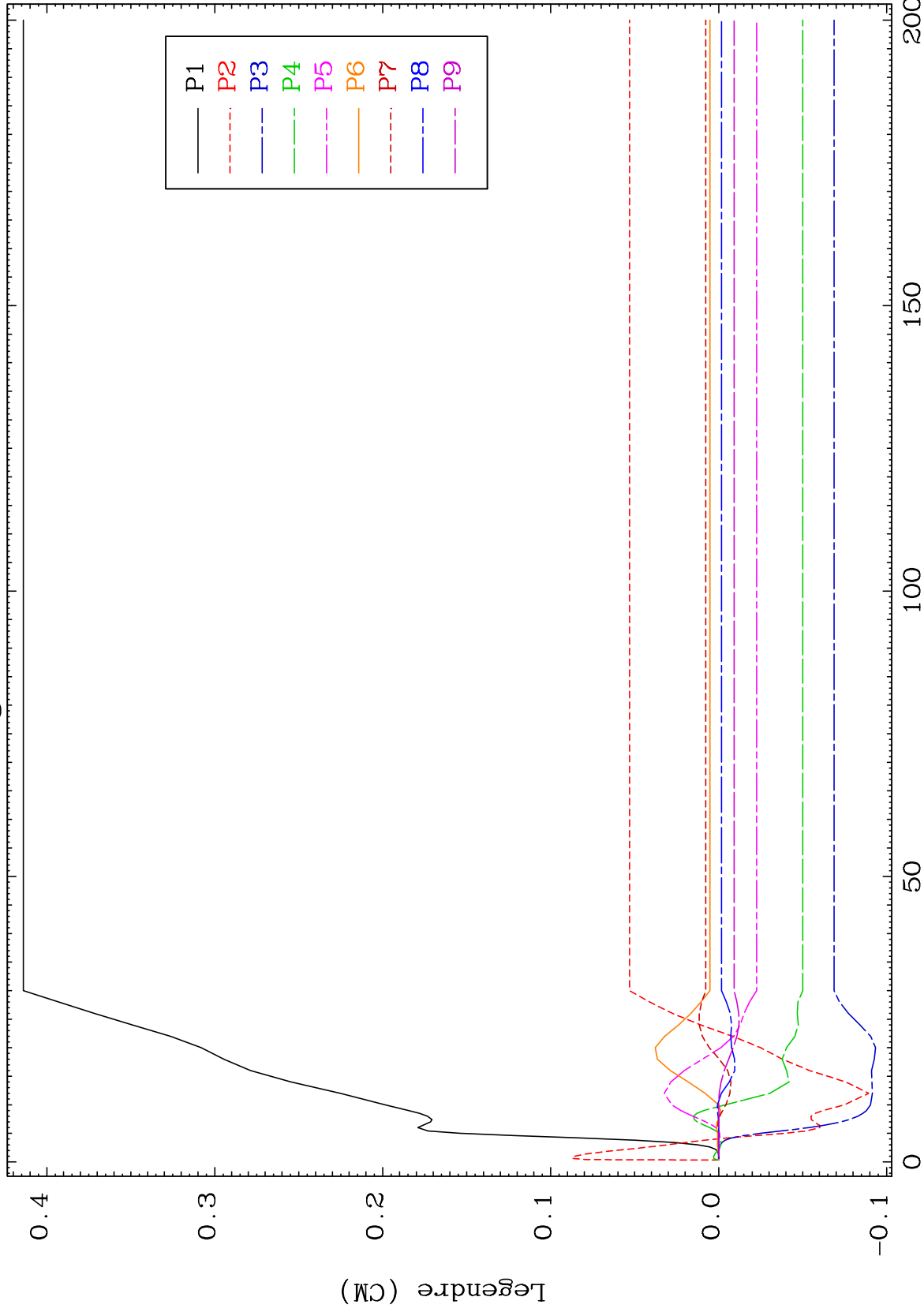
63

53-I -122

MAT 5310

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

53-I -122



64

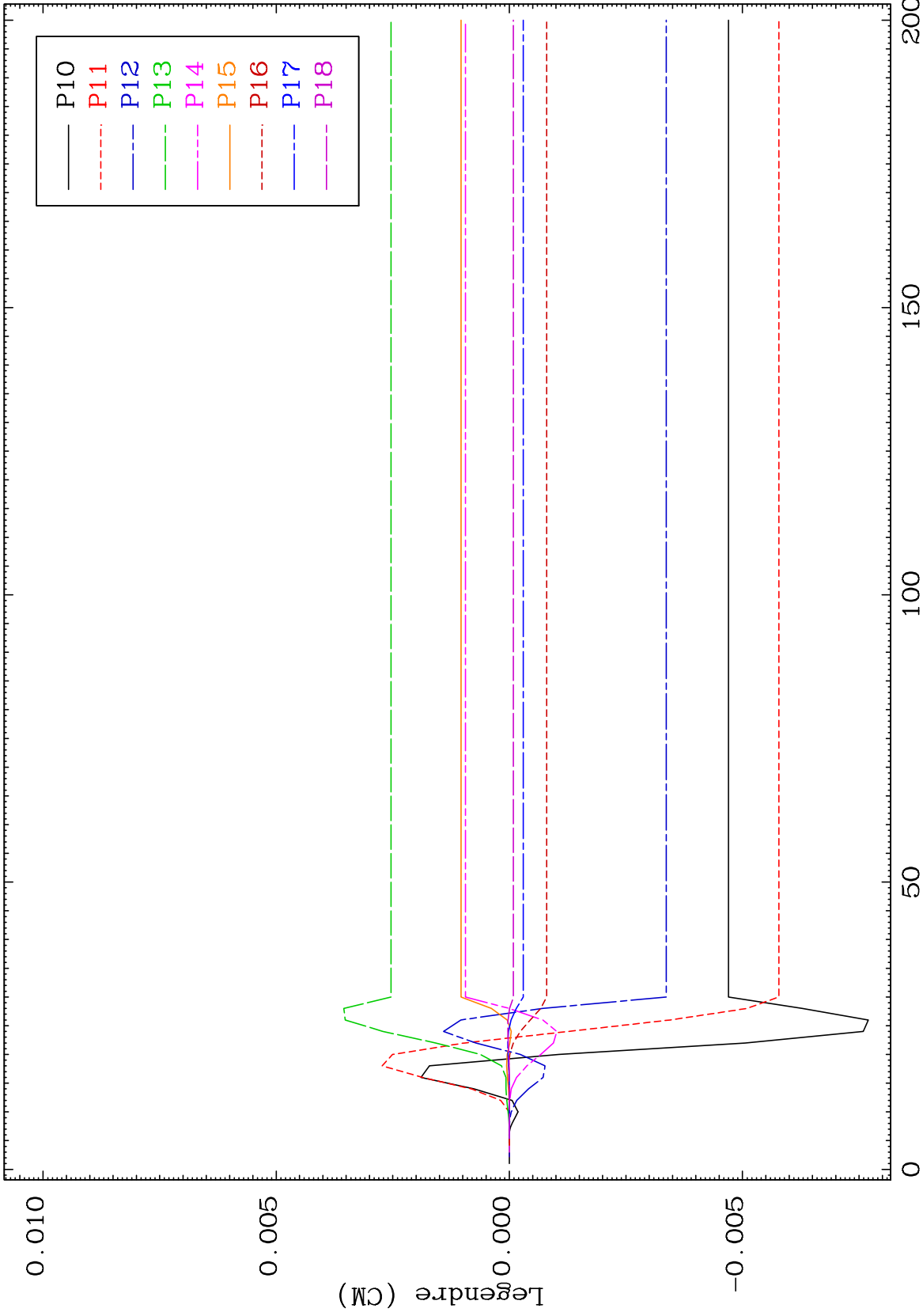
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



65

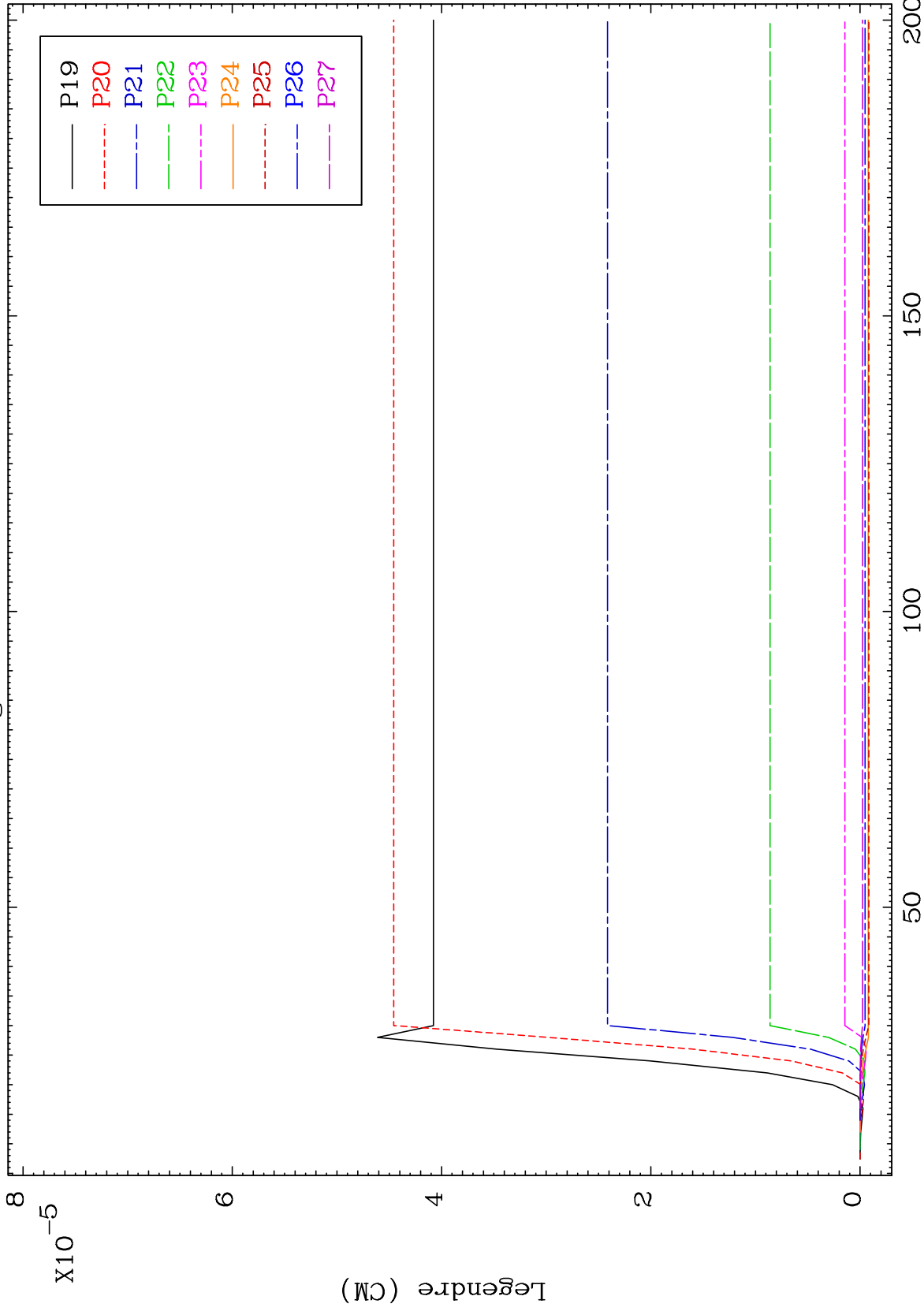
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



66

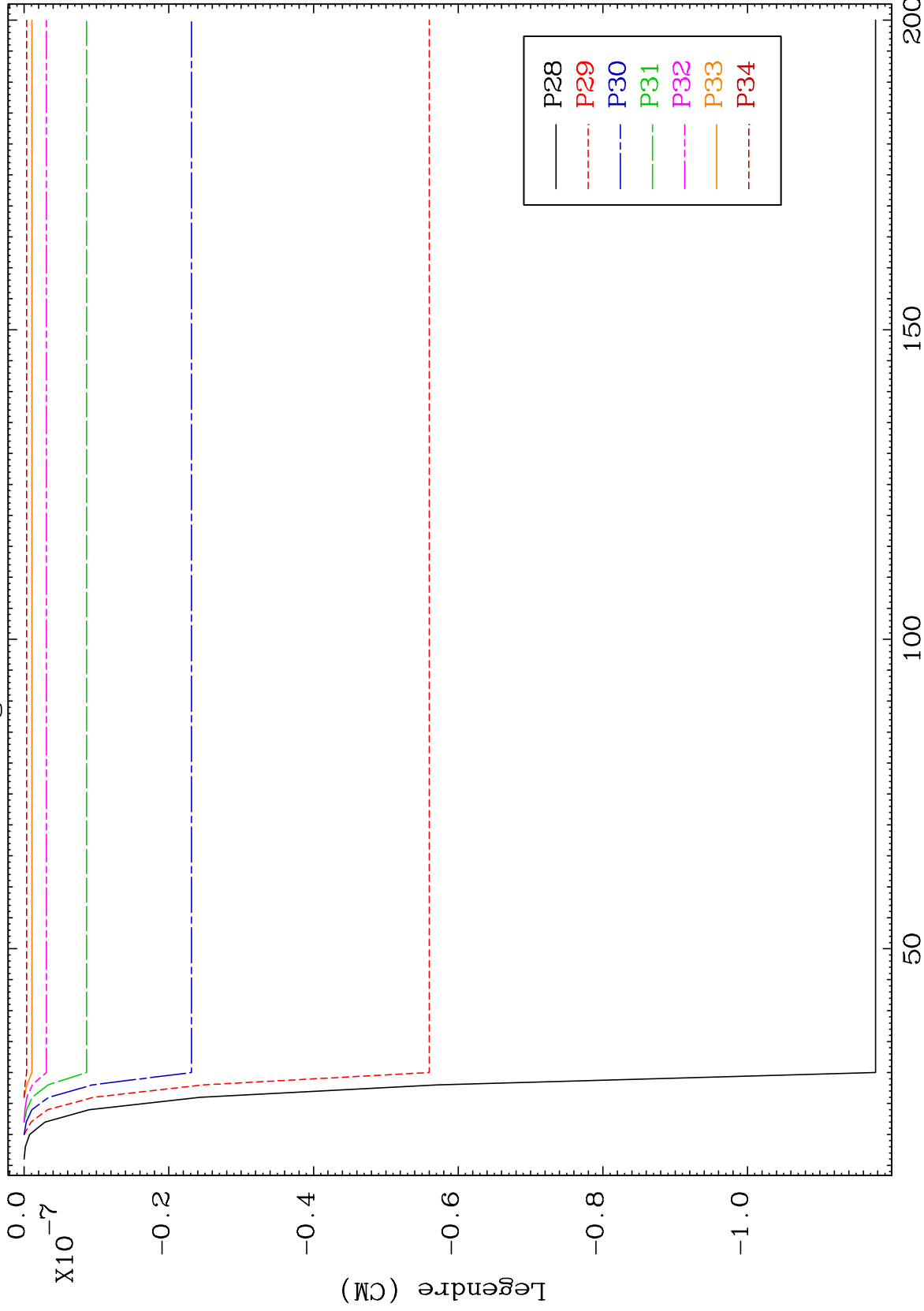
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



67

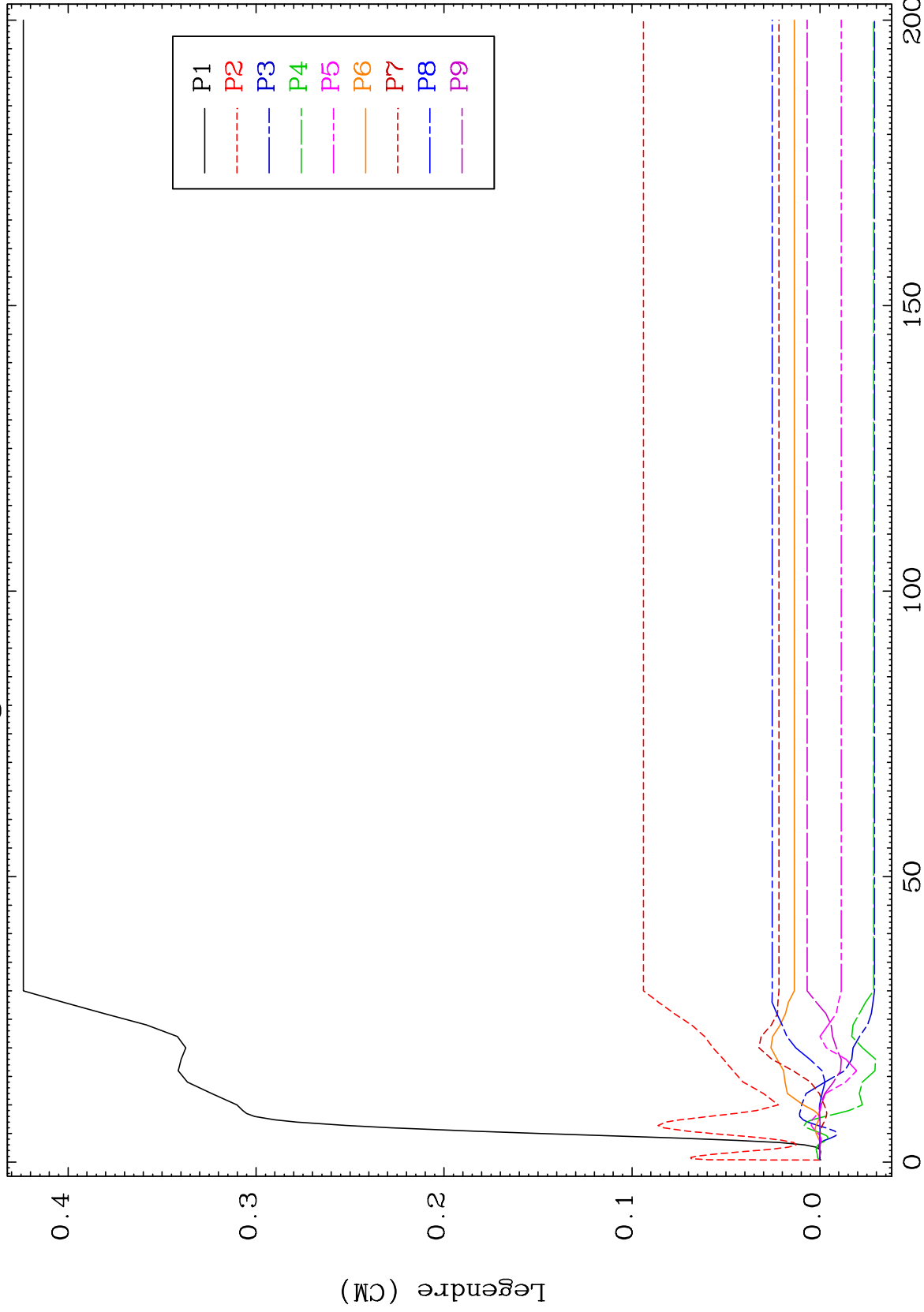
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122

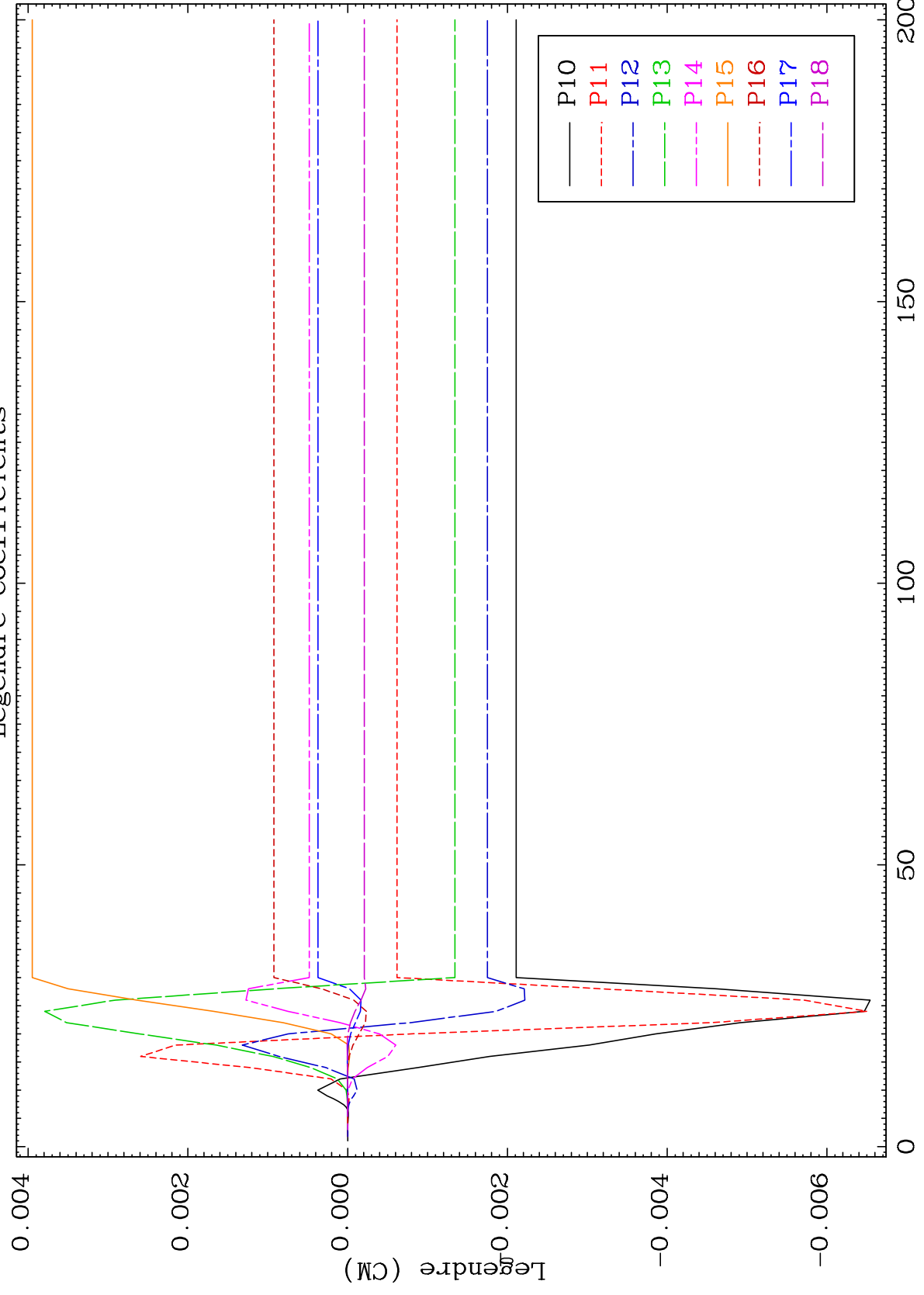


68

Incident Energy (MeV)

53-I -122

MAT 5310 MT= 65 (n,n') Level Legendre Coefficients 53-I -122



53-I -122

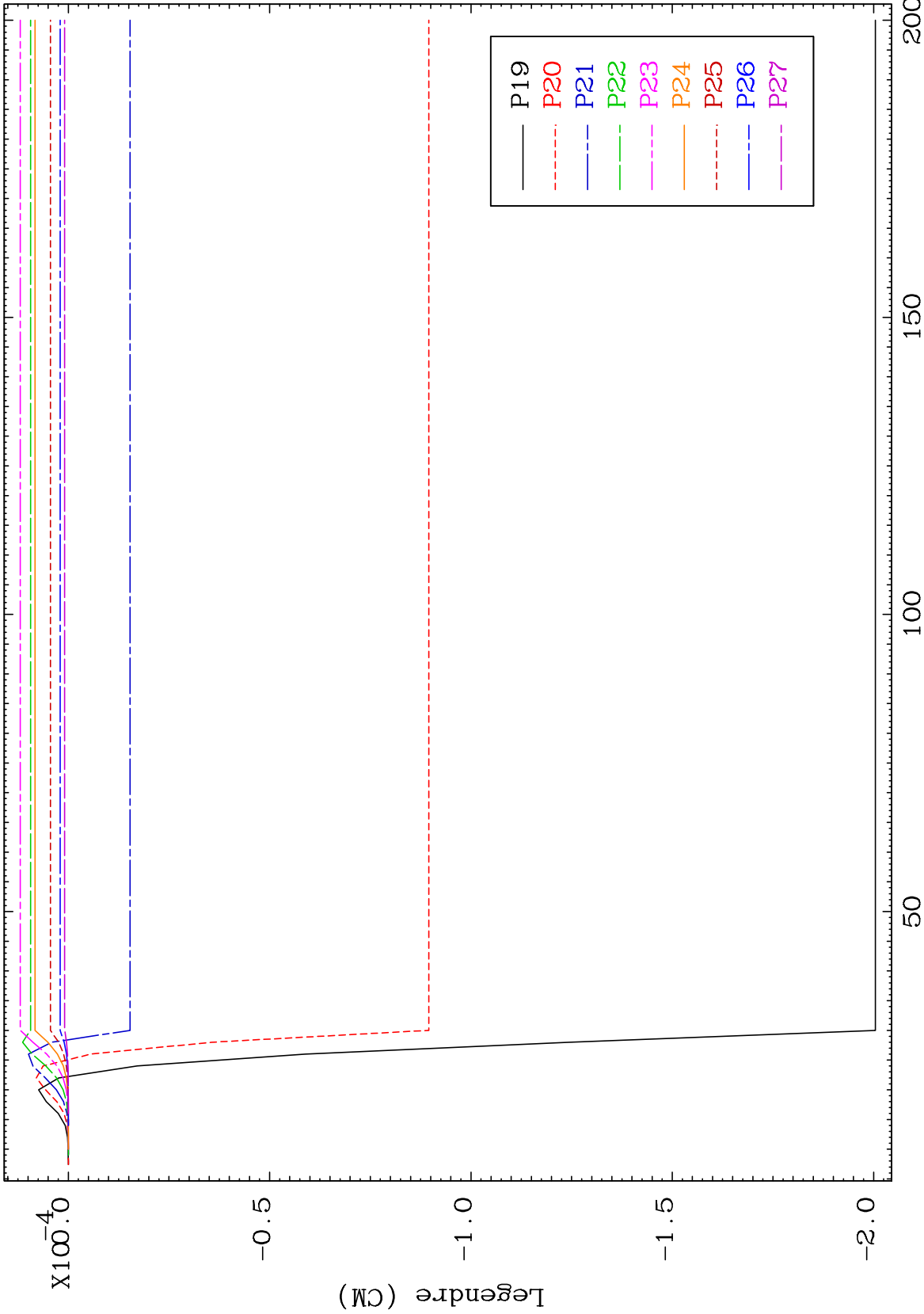
Incident Energy (MeV)

69

MAT 5310

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

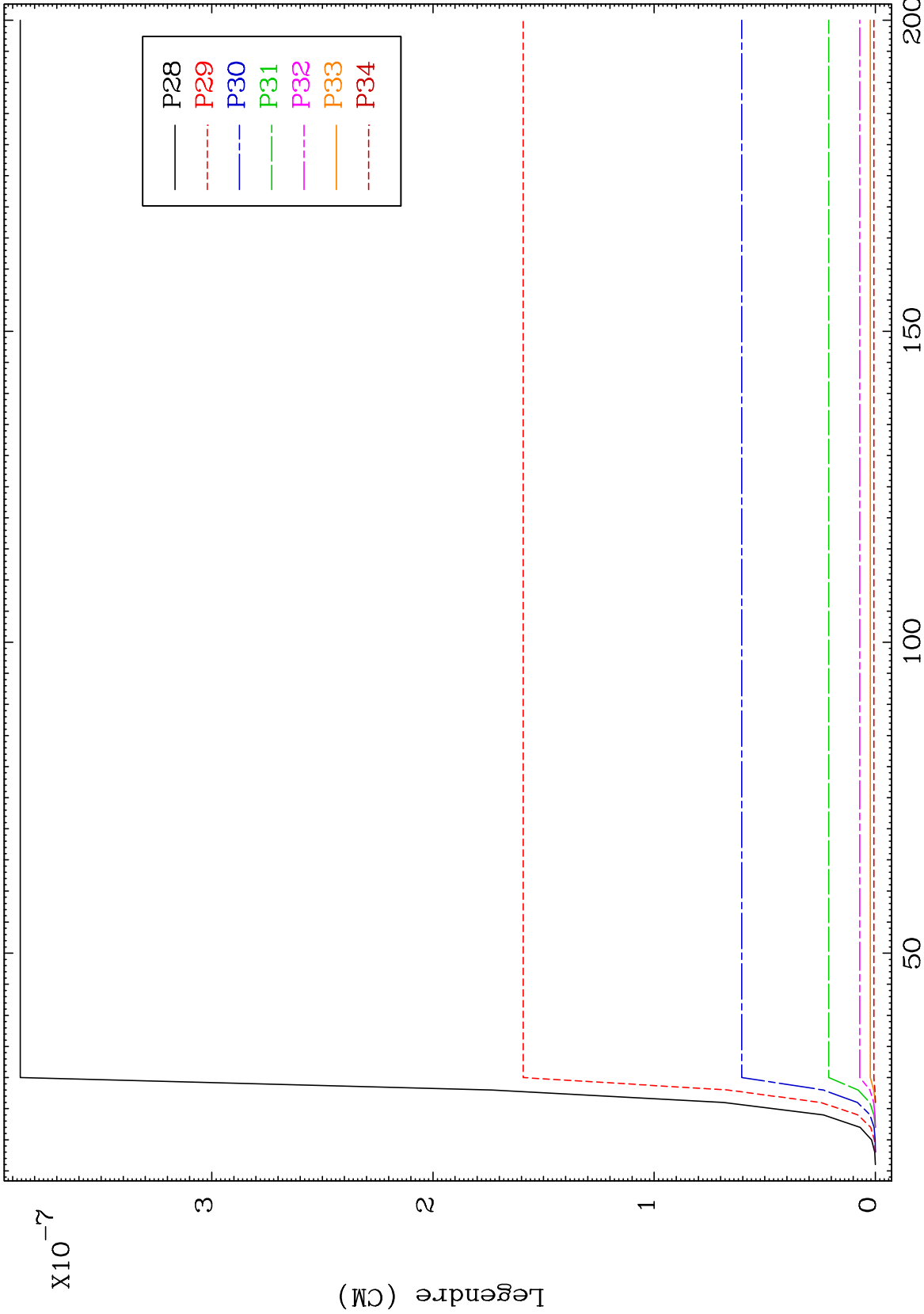
53-I -122



70

Incident Energy (MeV)

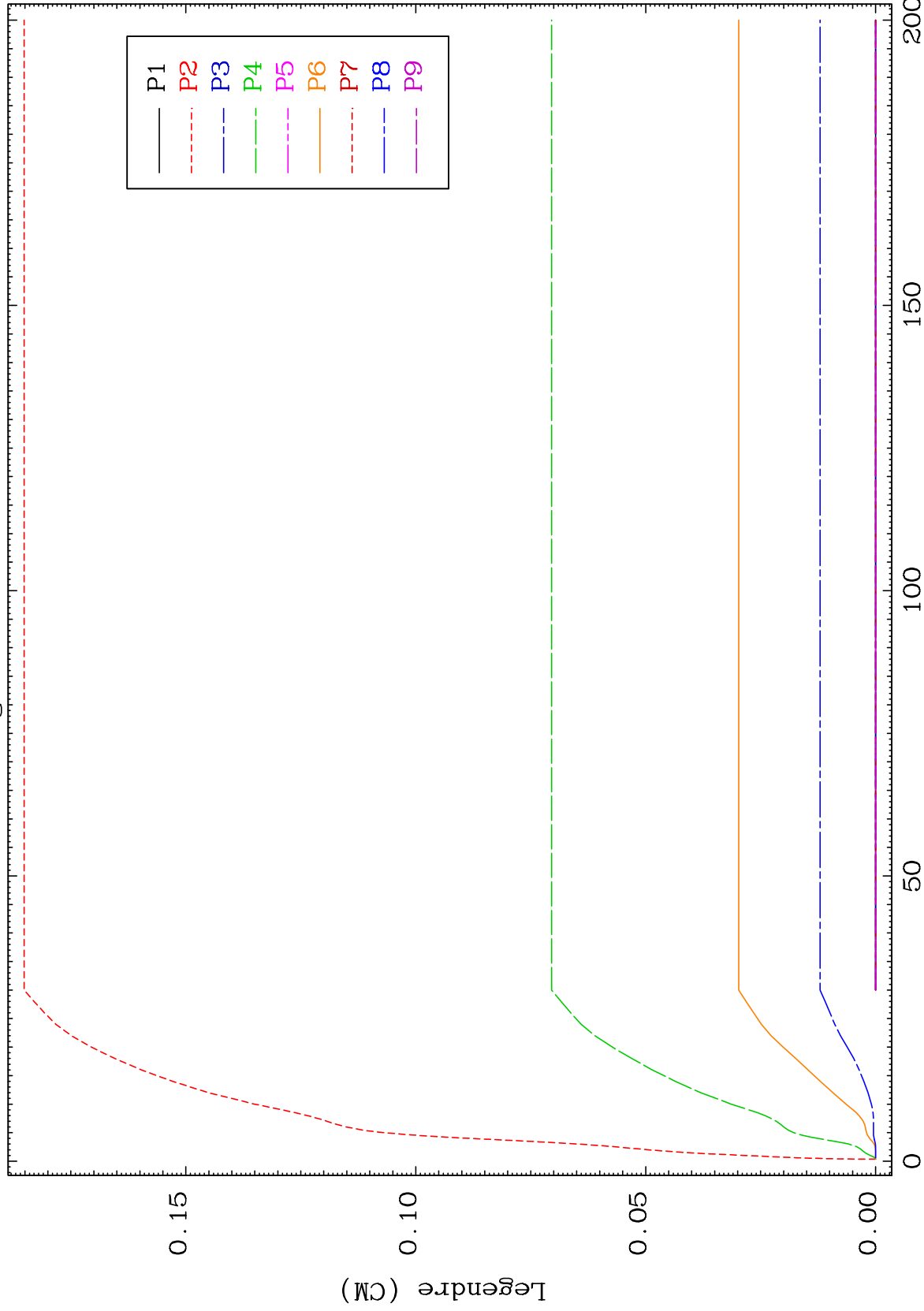
53-I -122



MAT 5310

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

53-I -122



72

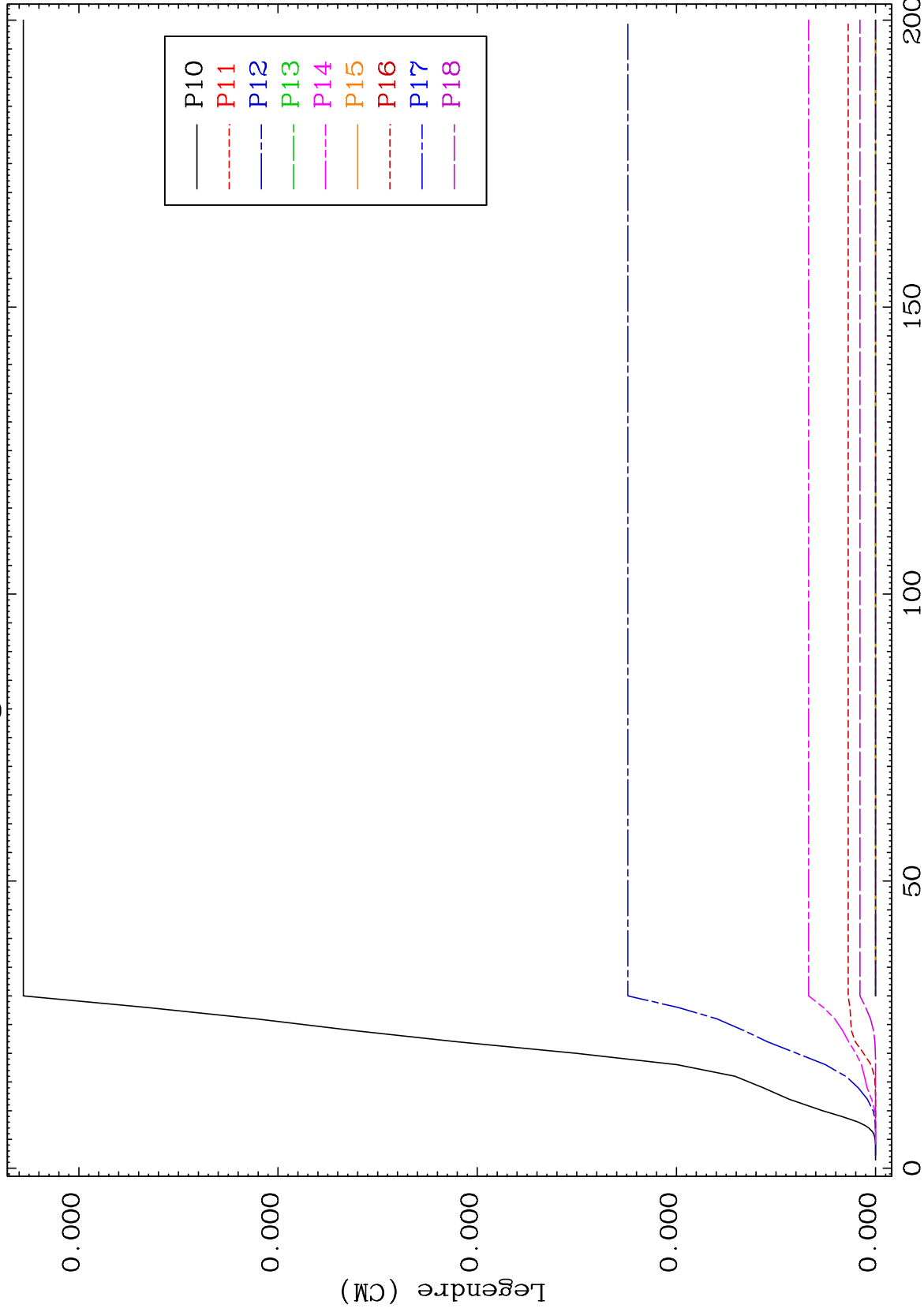
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



73

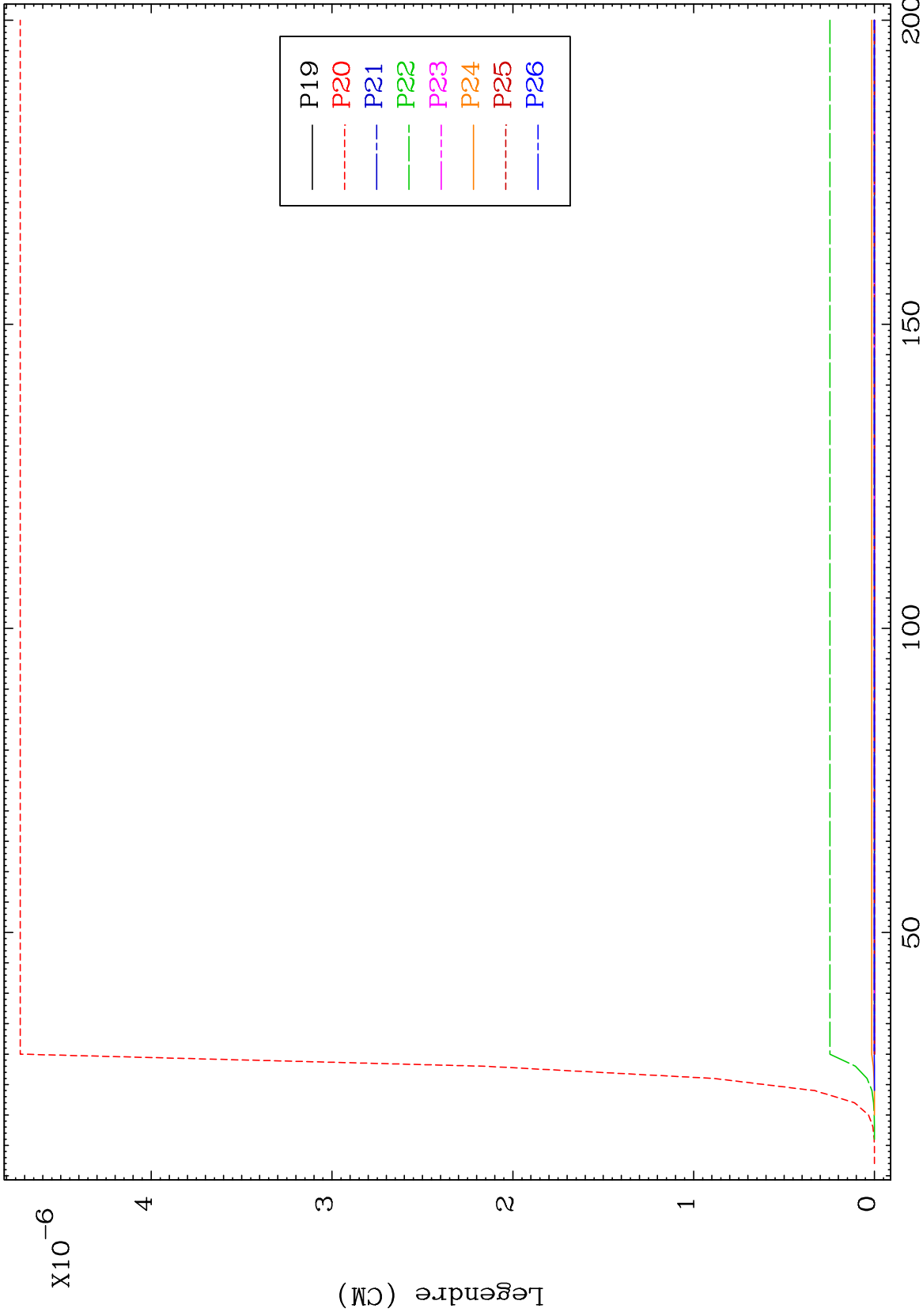
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



74

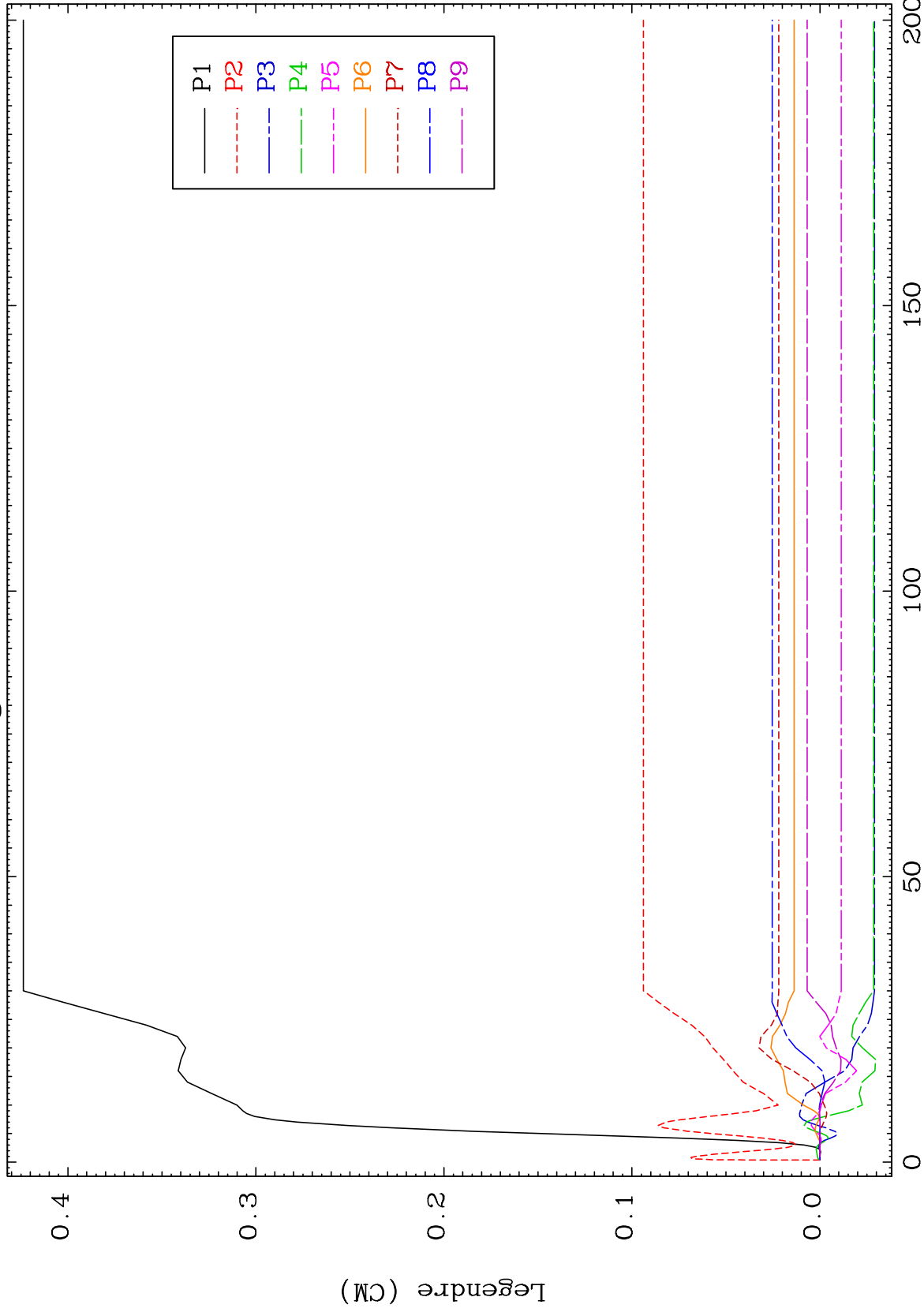
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



75

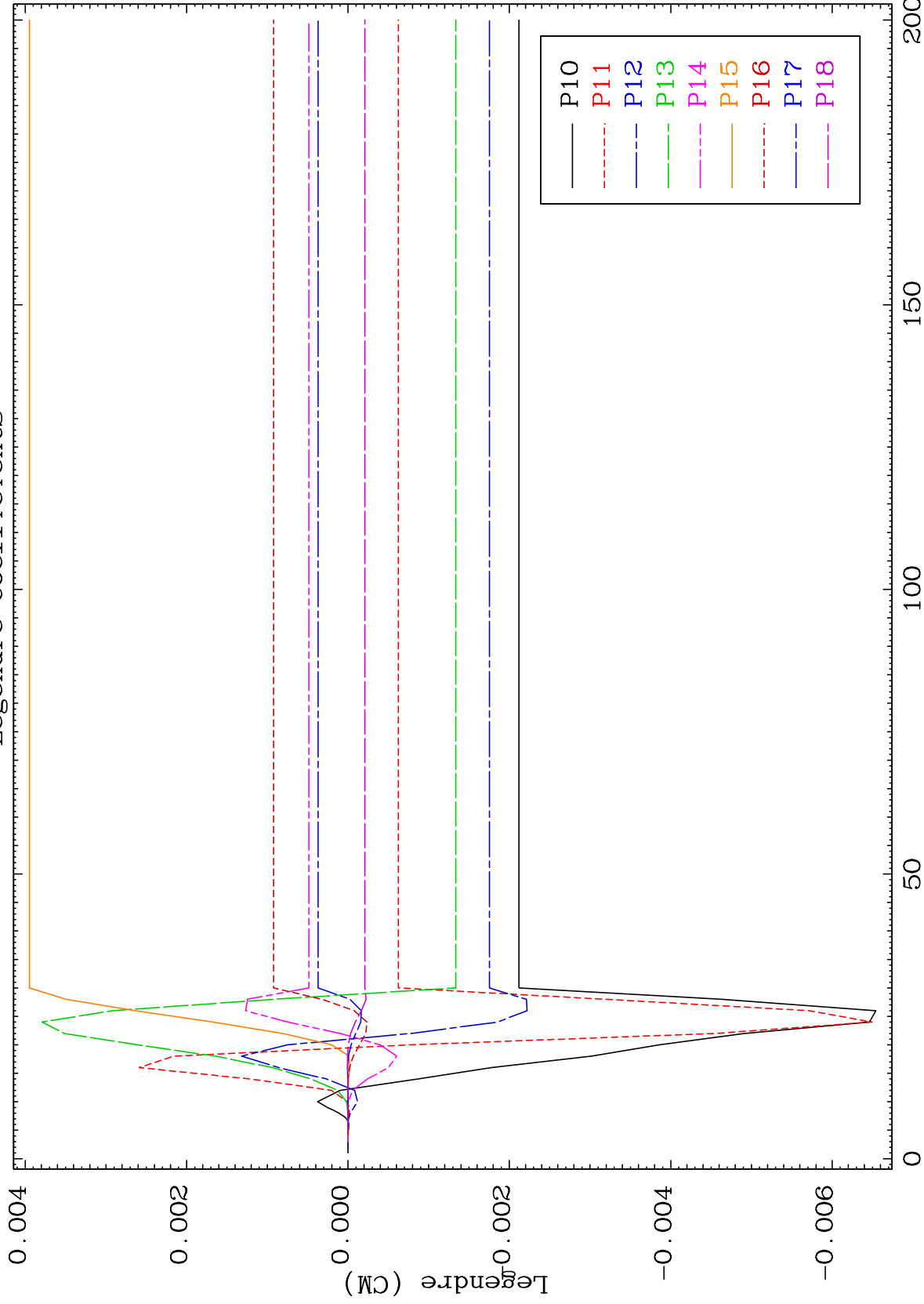
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



76

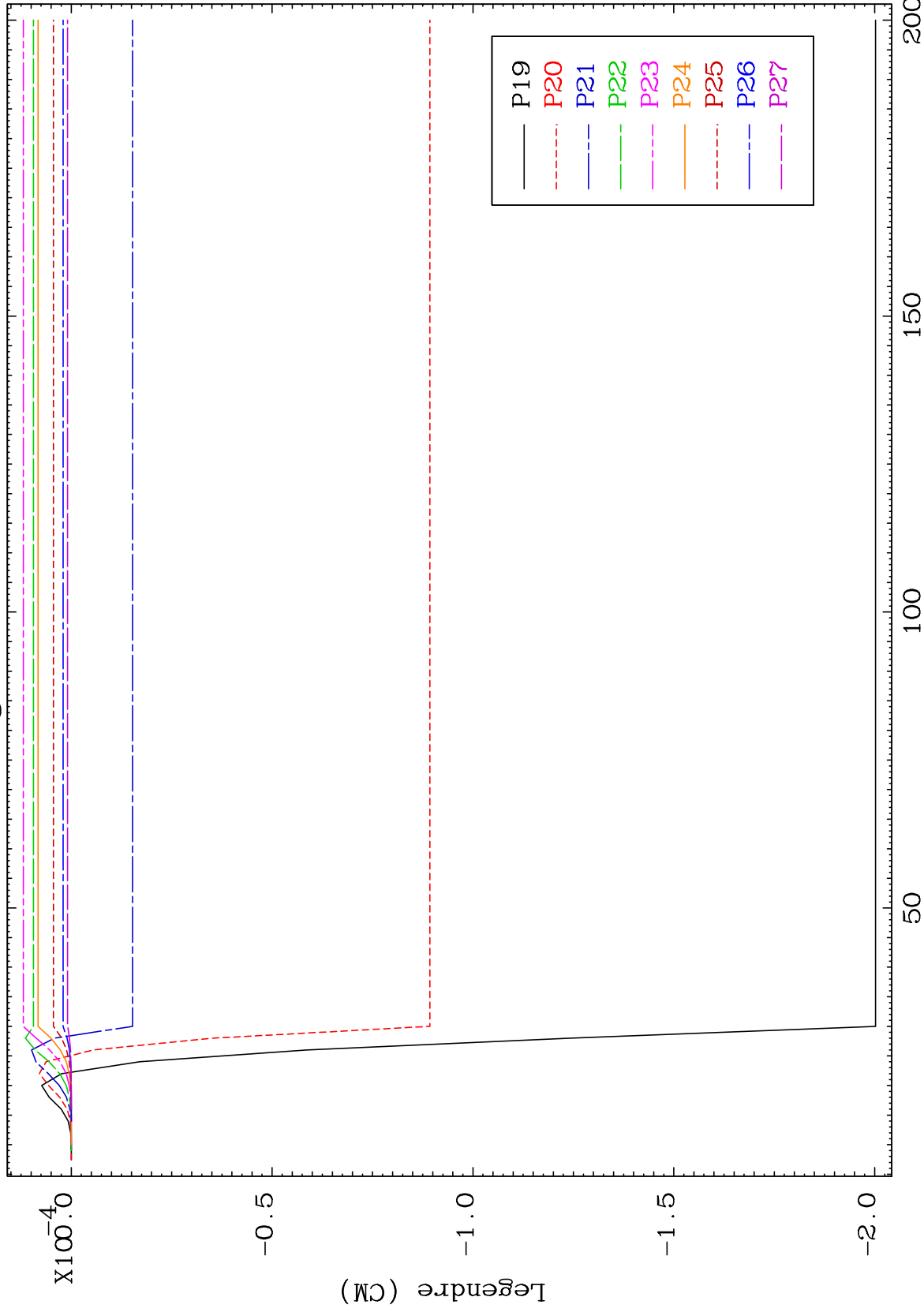
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



77

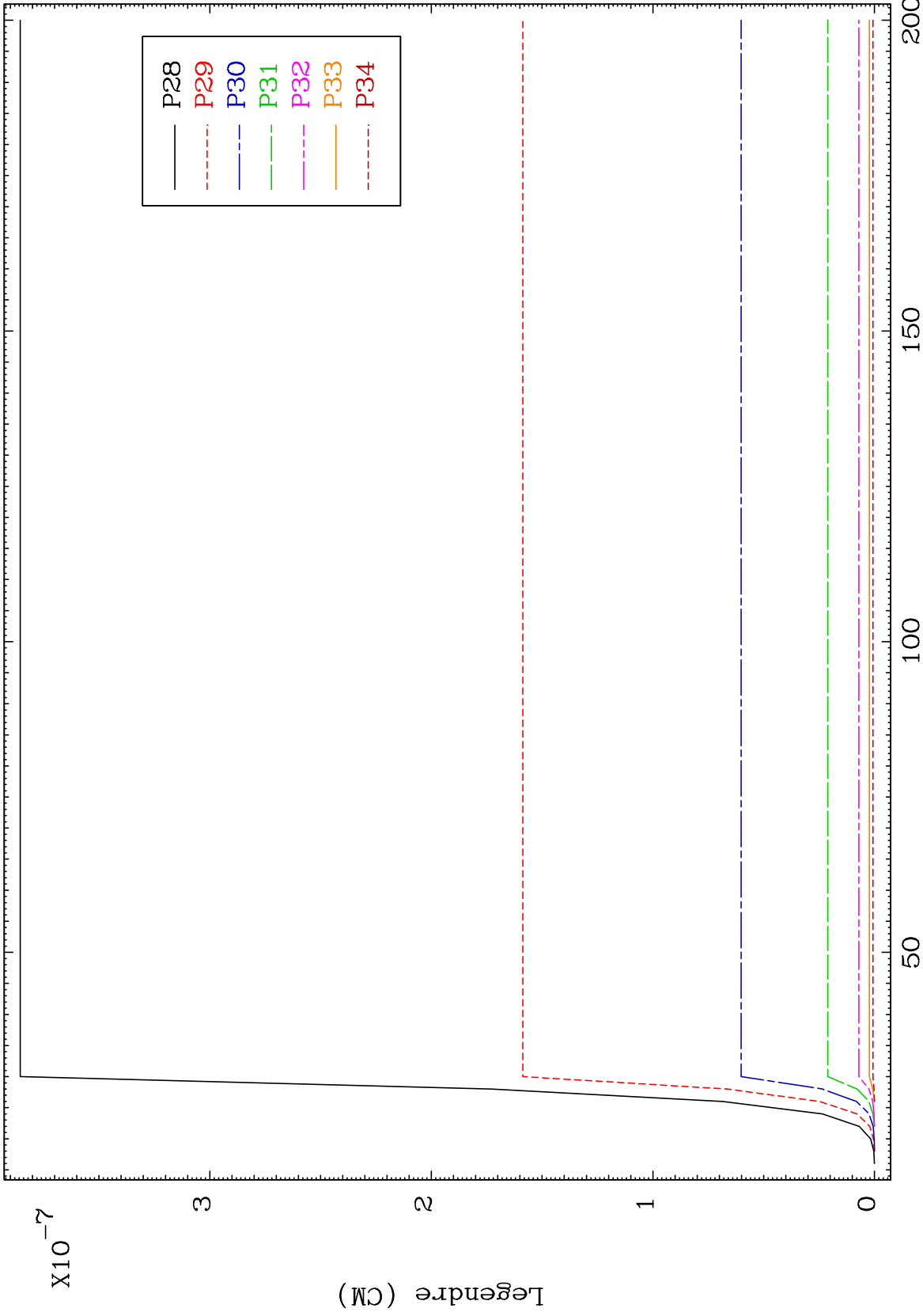
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



78

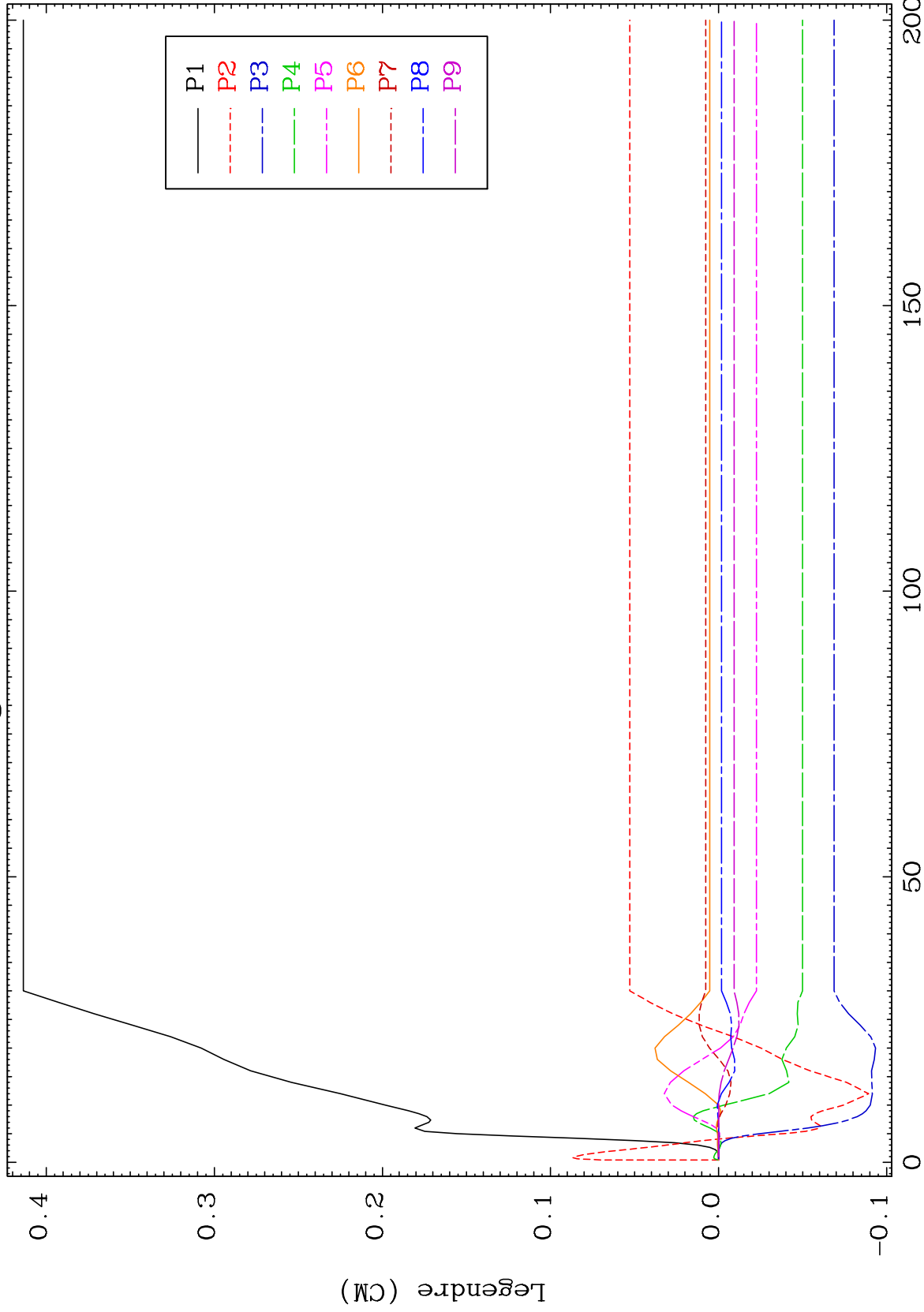
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



79

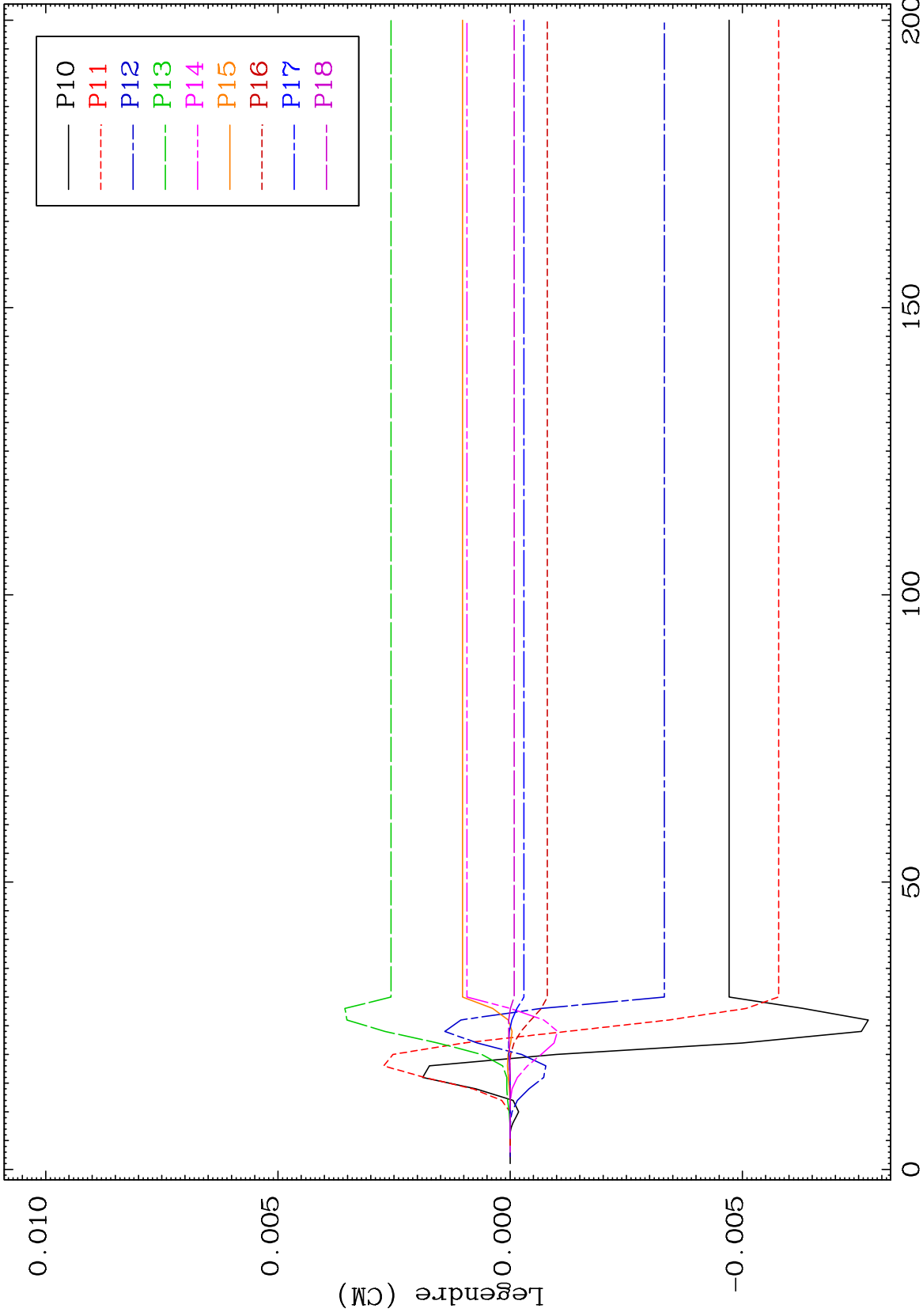
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



80

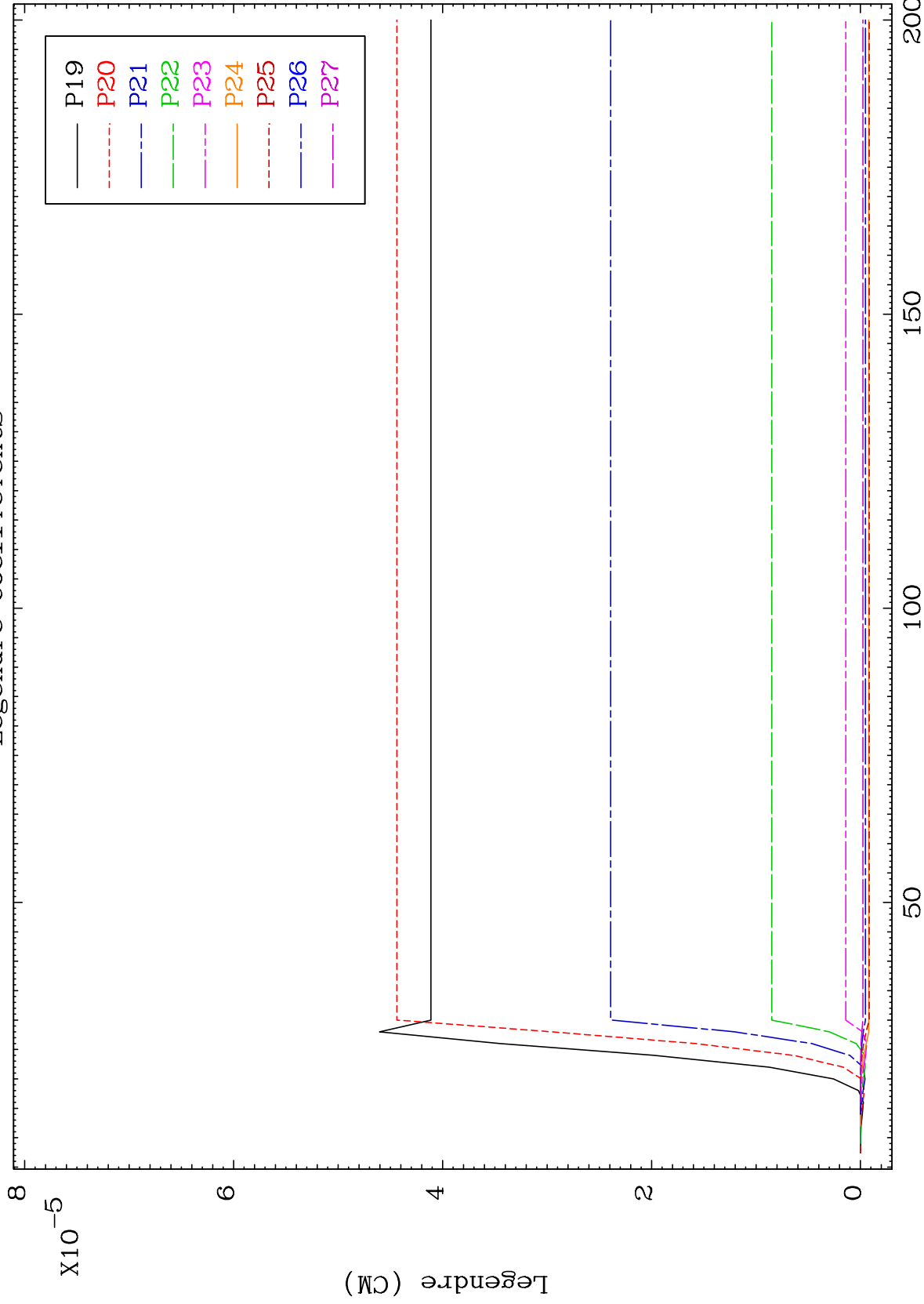
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



81

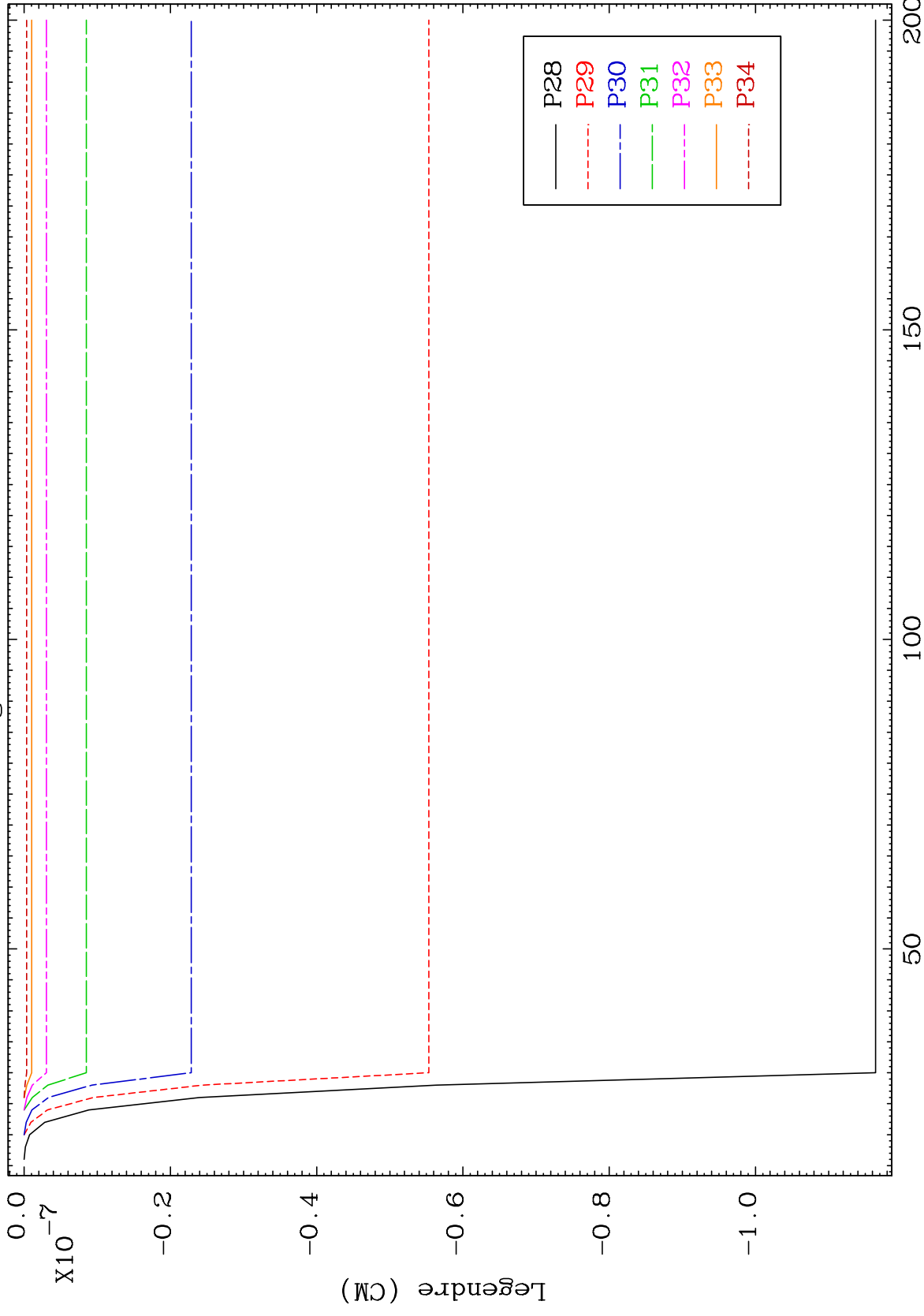
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



82

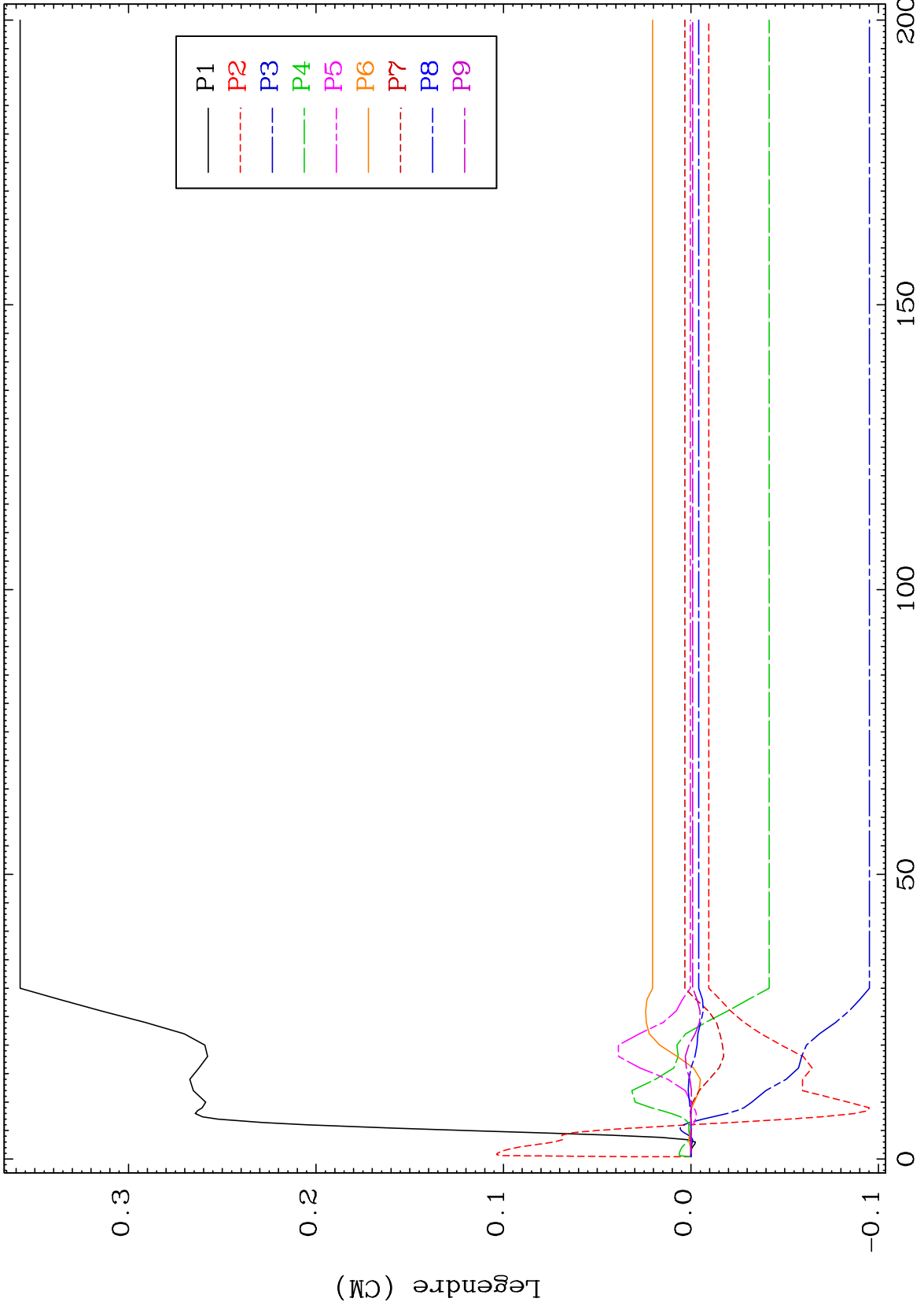
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



83

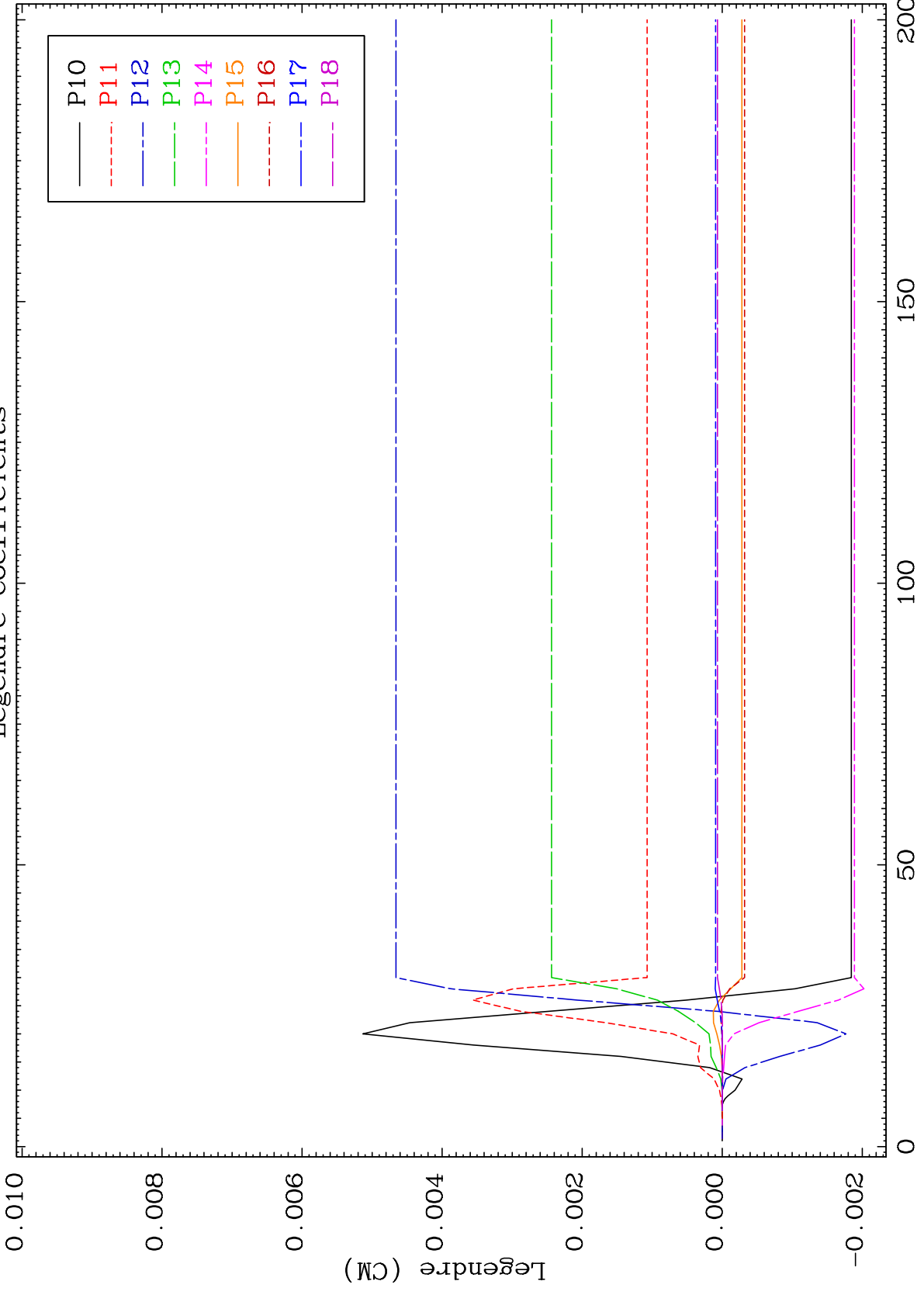
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



84

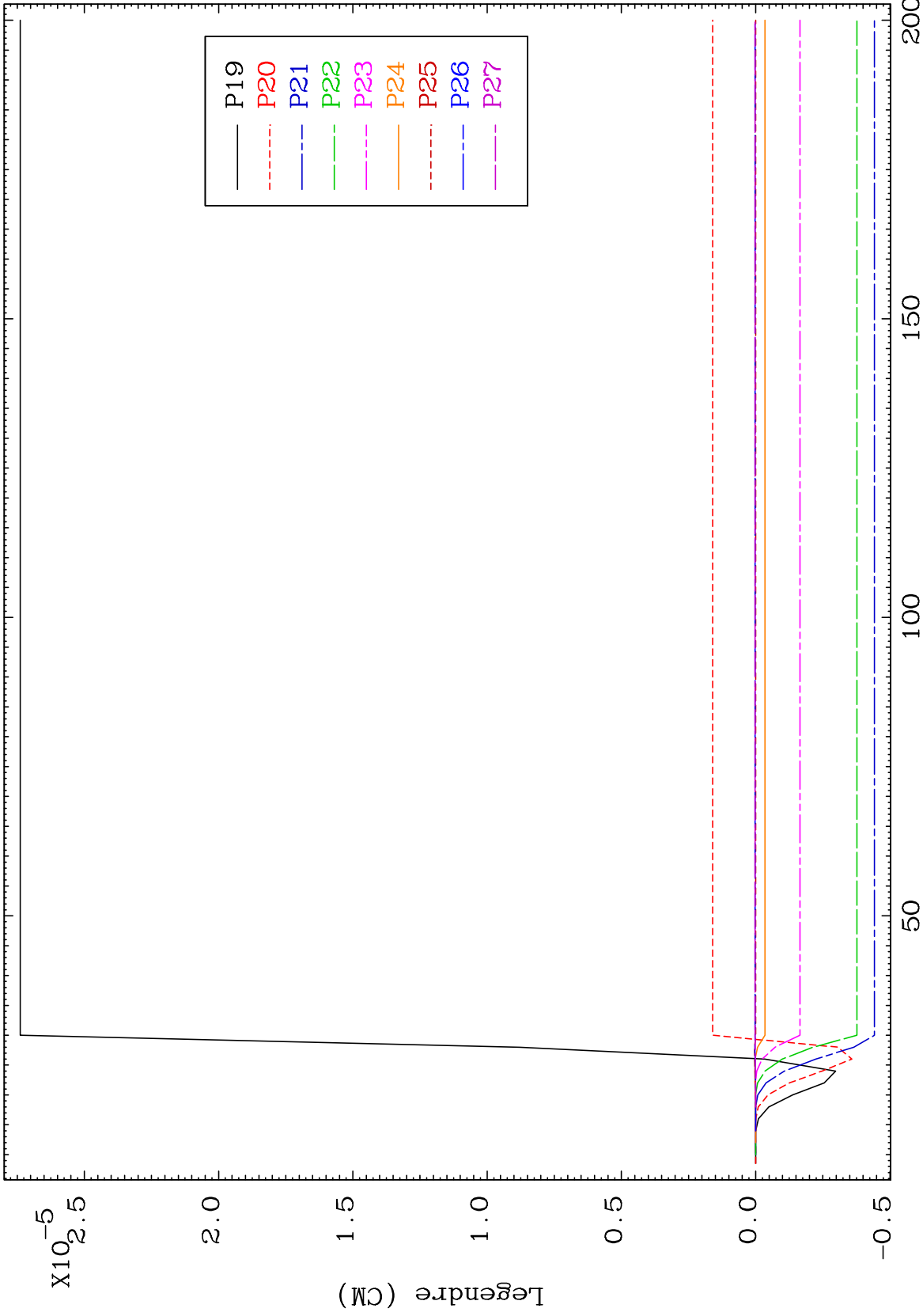
Incident Energy (MeV)

53-I -122

MAT 5310

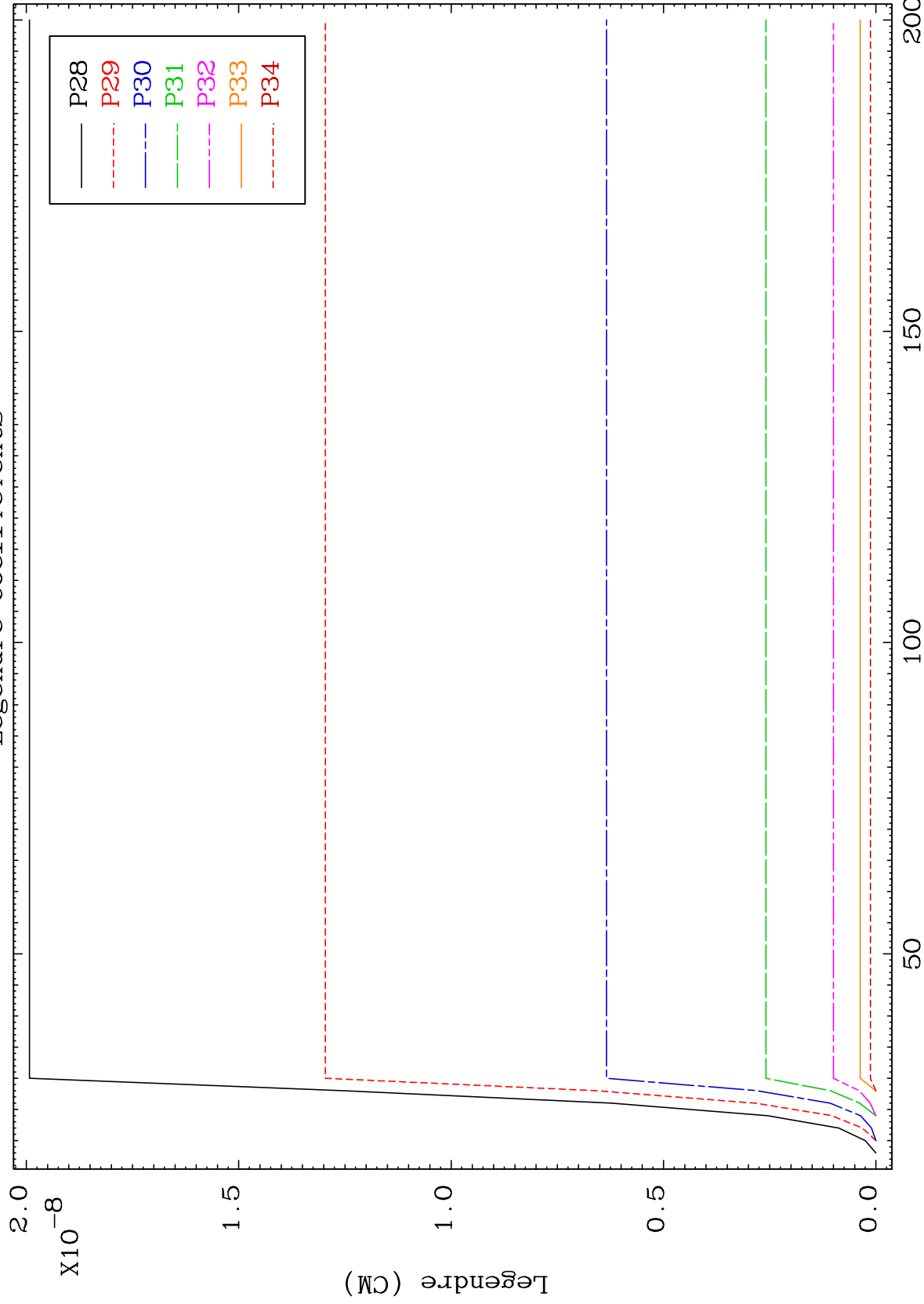
MT= 69 (n,n') Level  
Legendre Coefficients

53-I -122



85

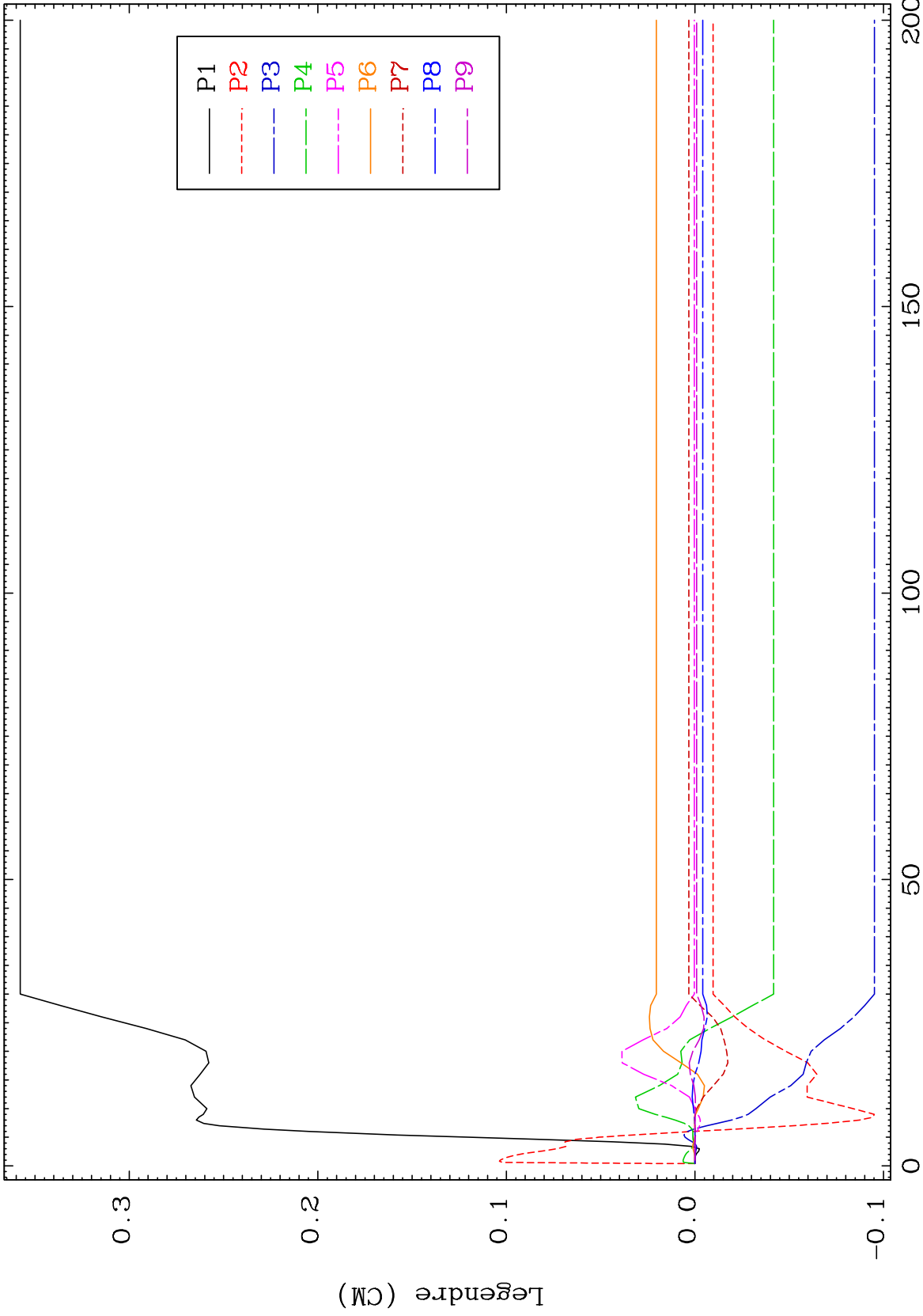
53-I -122



MAT 5310

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

53-I -122



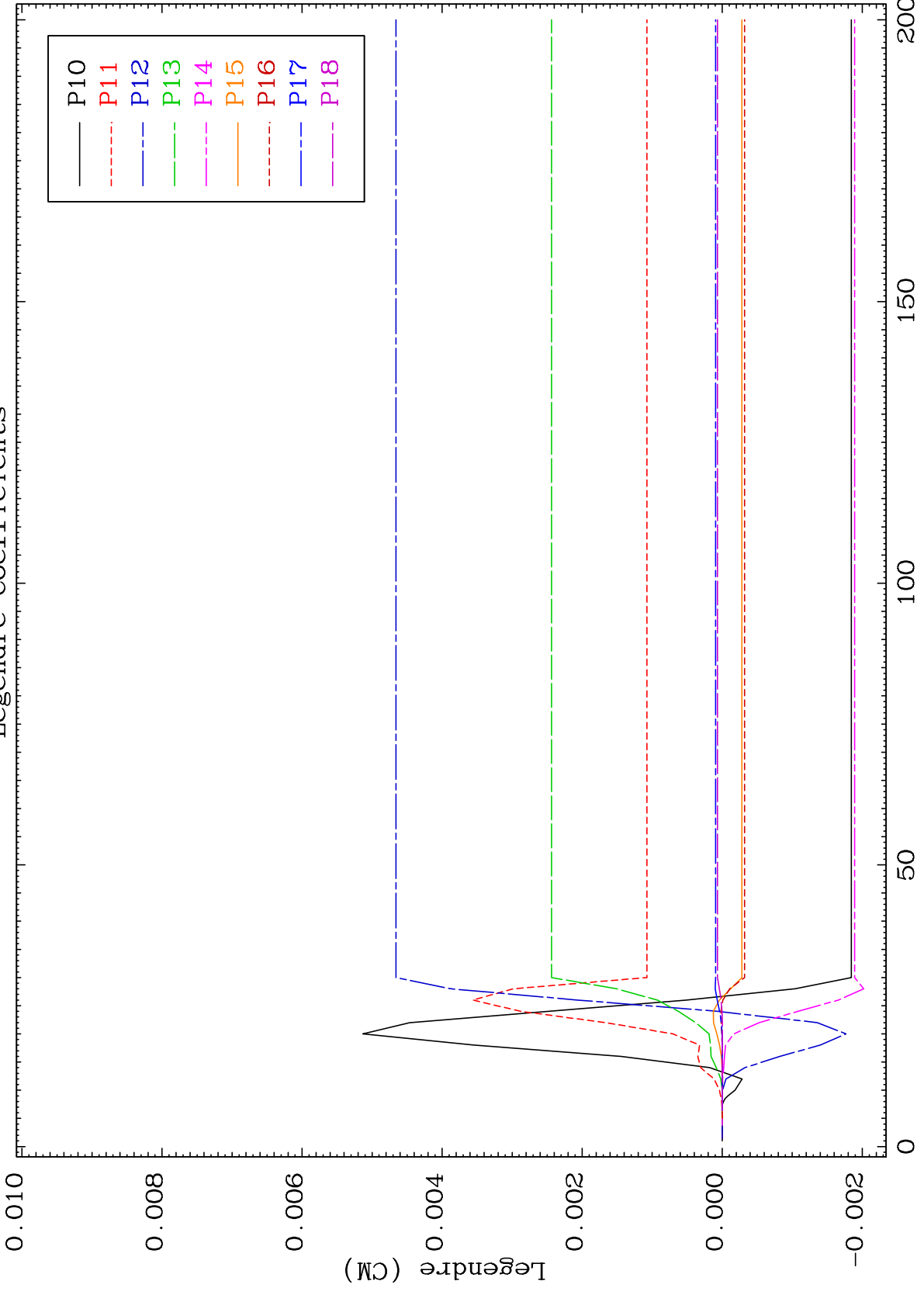
87

53-I -122

MAT 5310

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

53-I -122



88

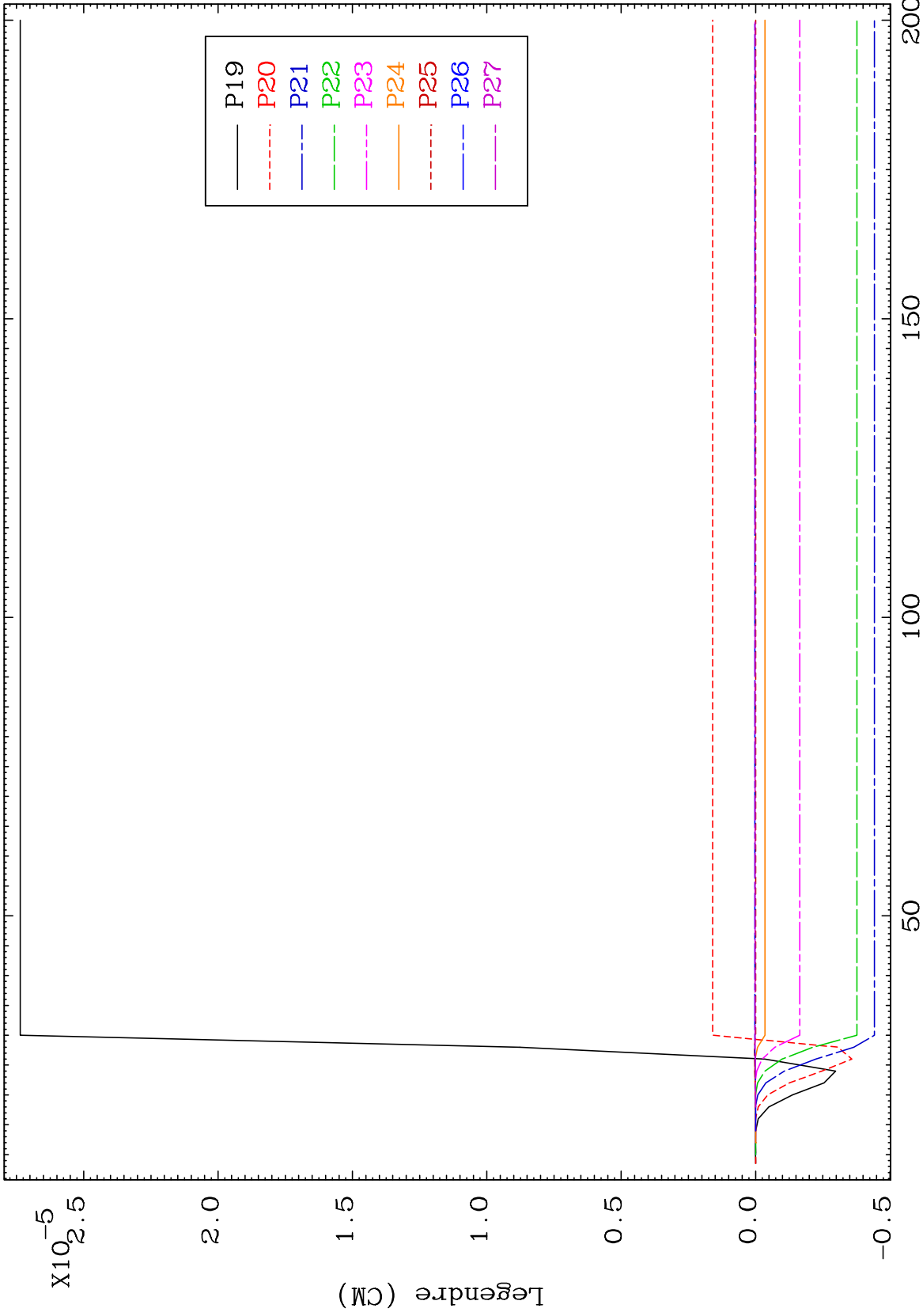
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



89

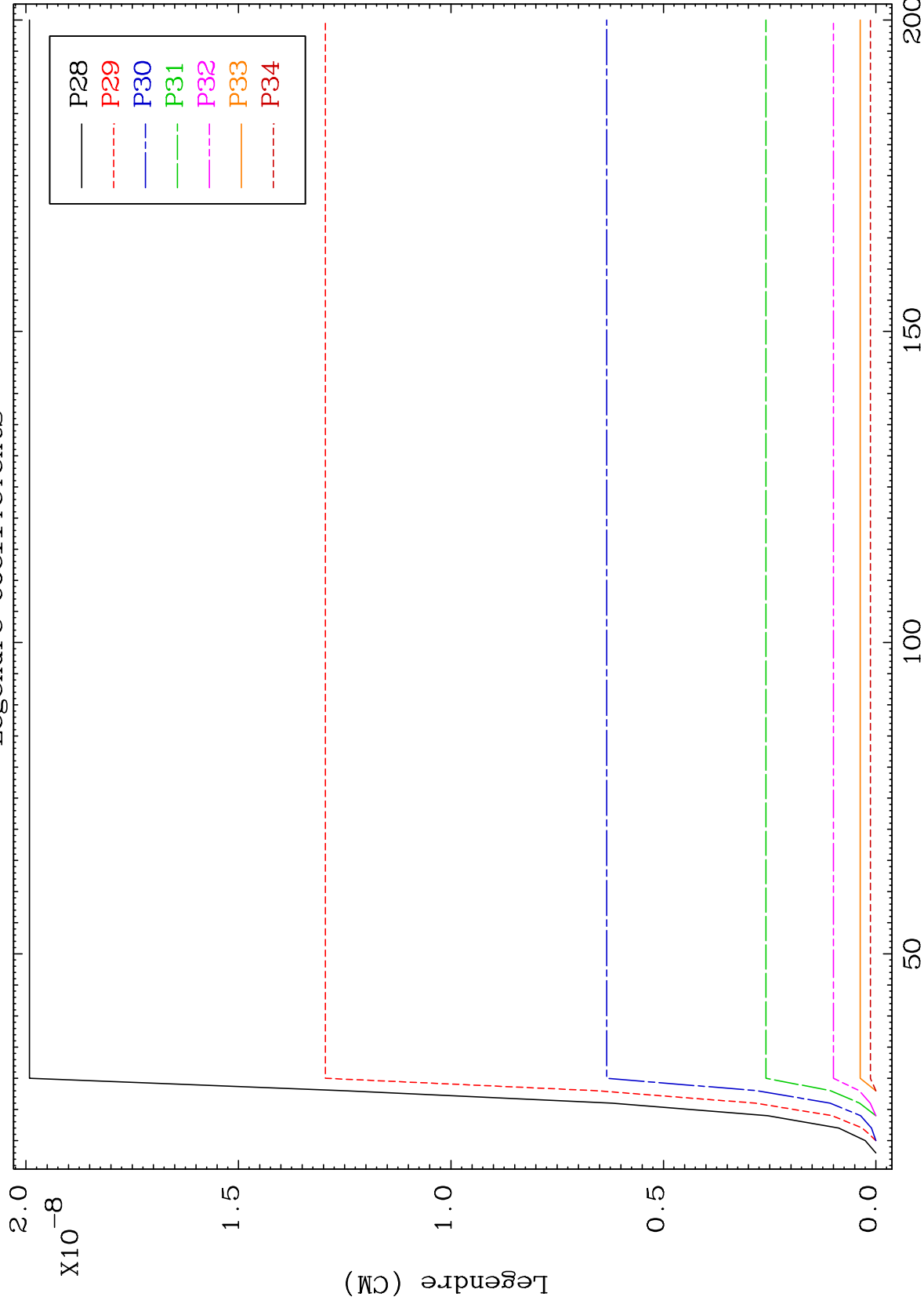
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



90

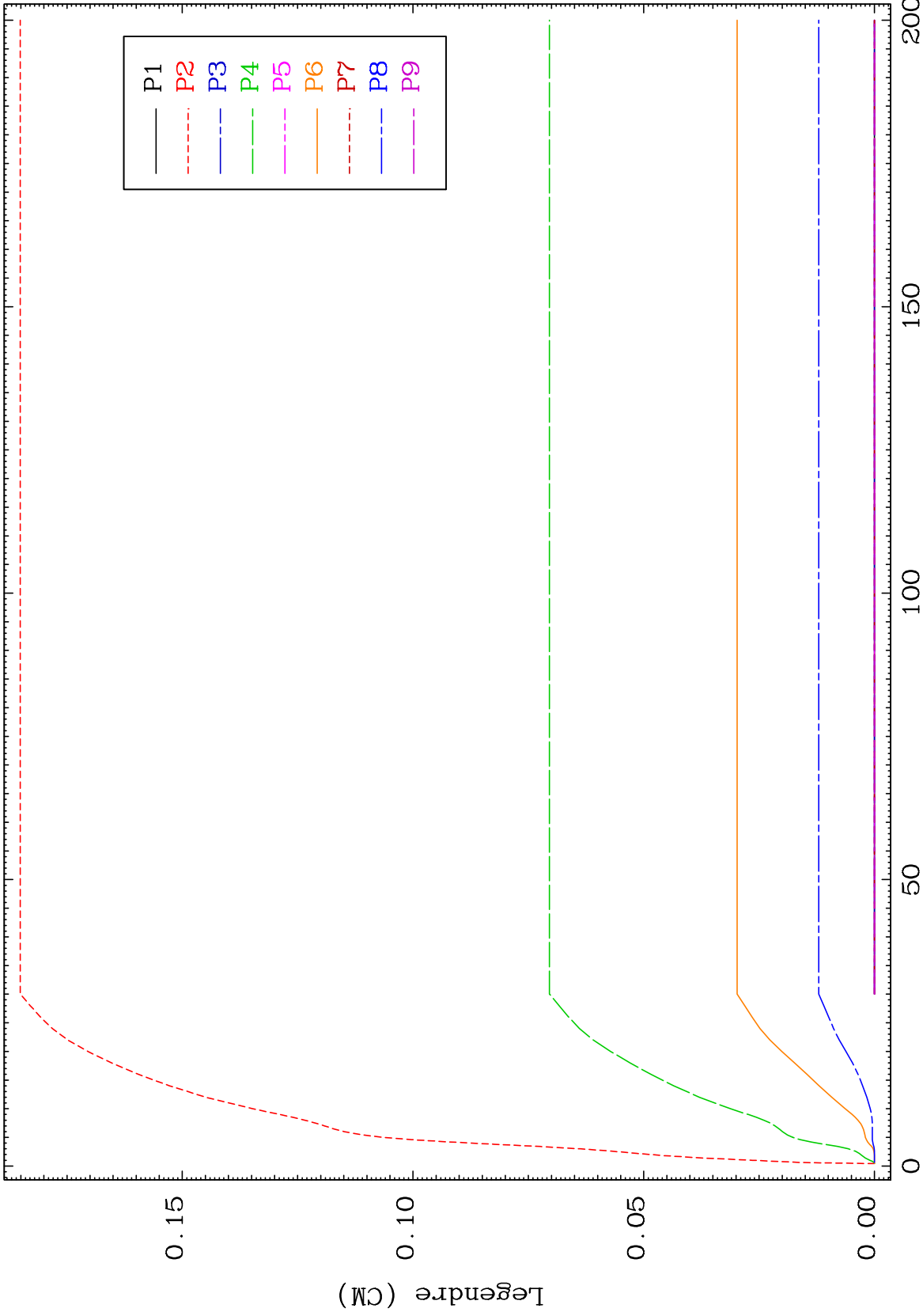
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



91

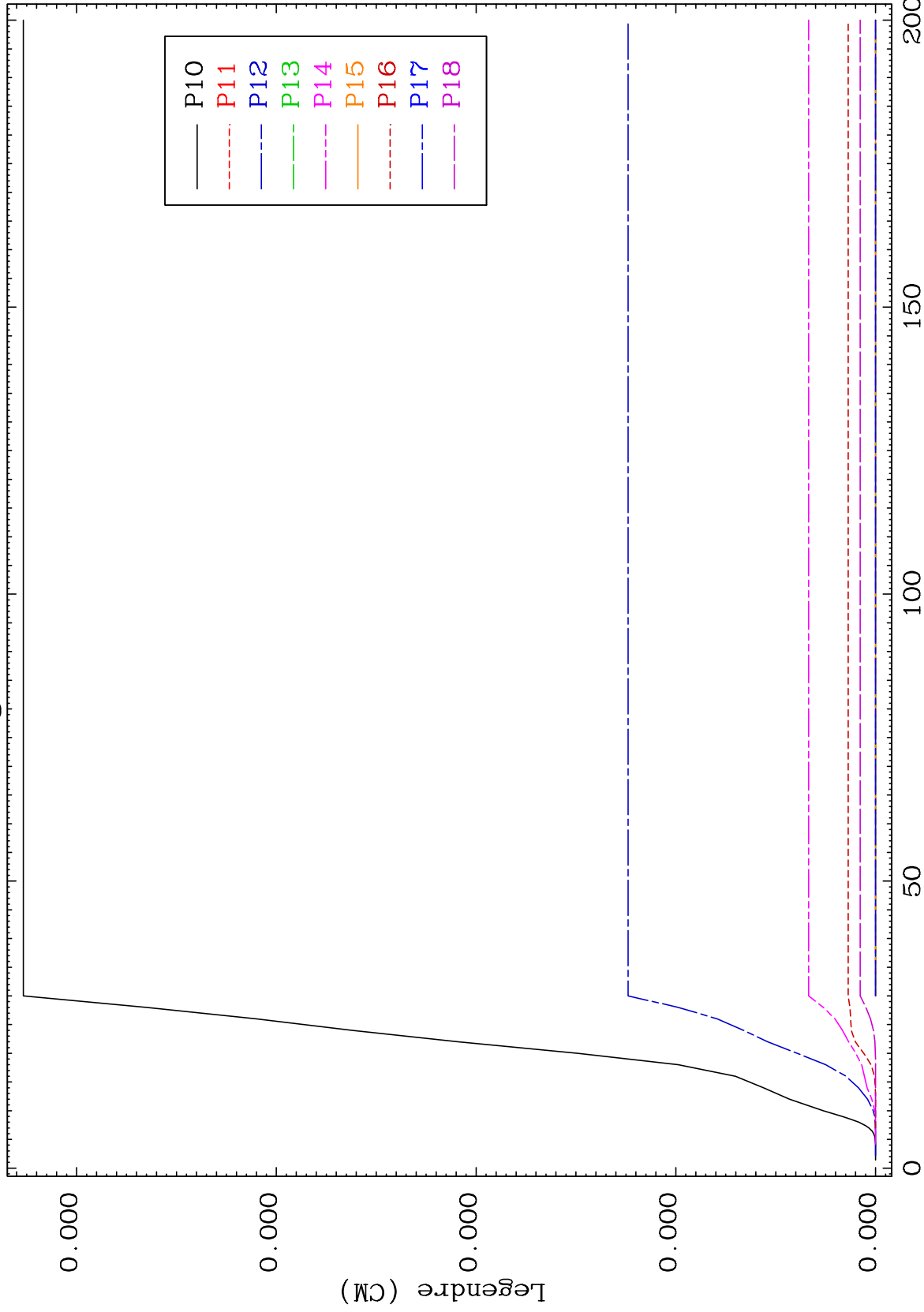
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



92

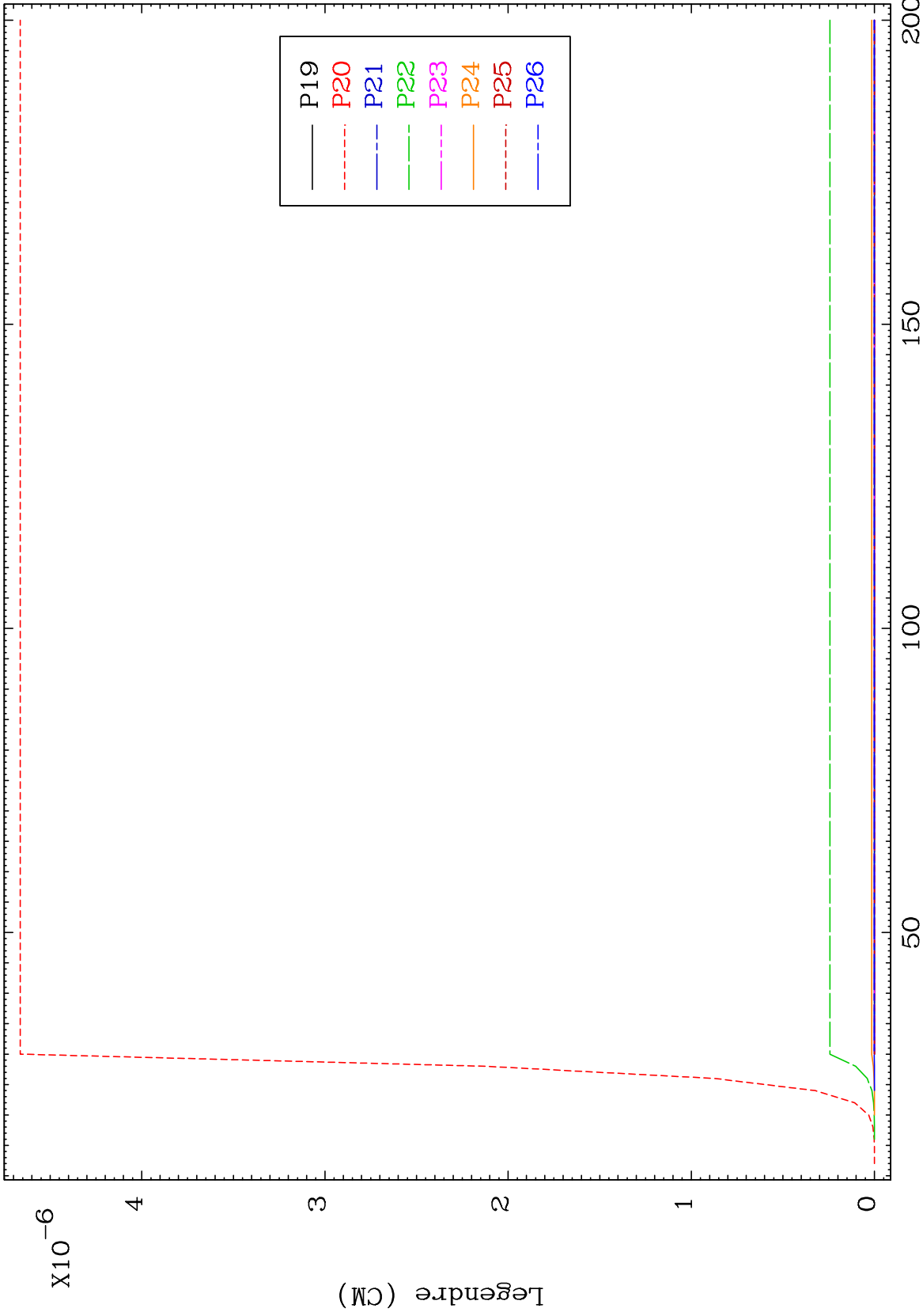
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



93

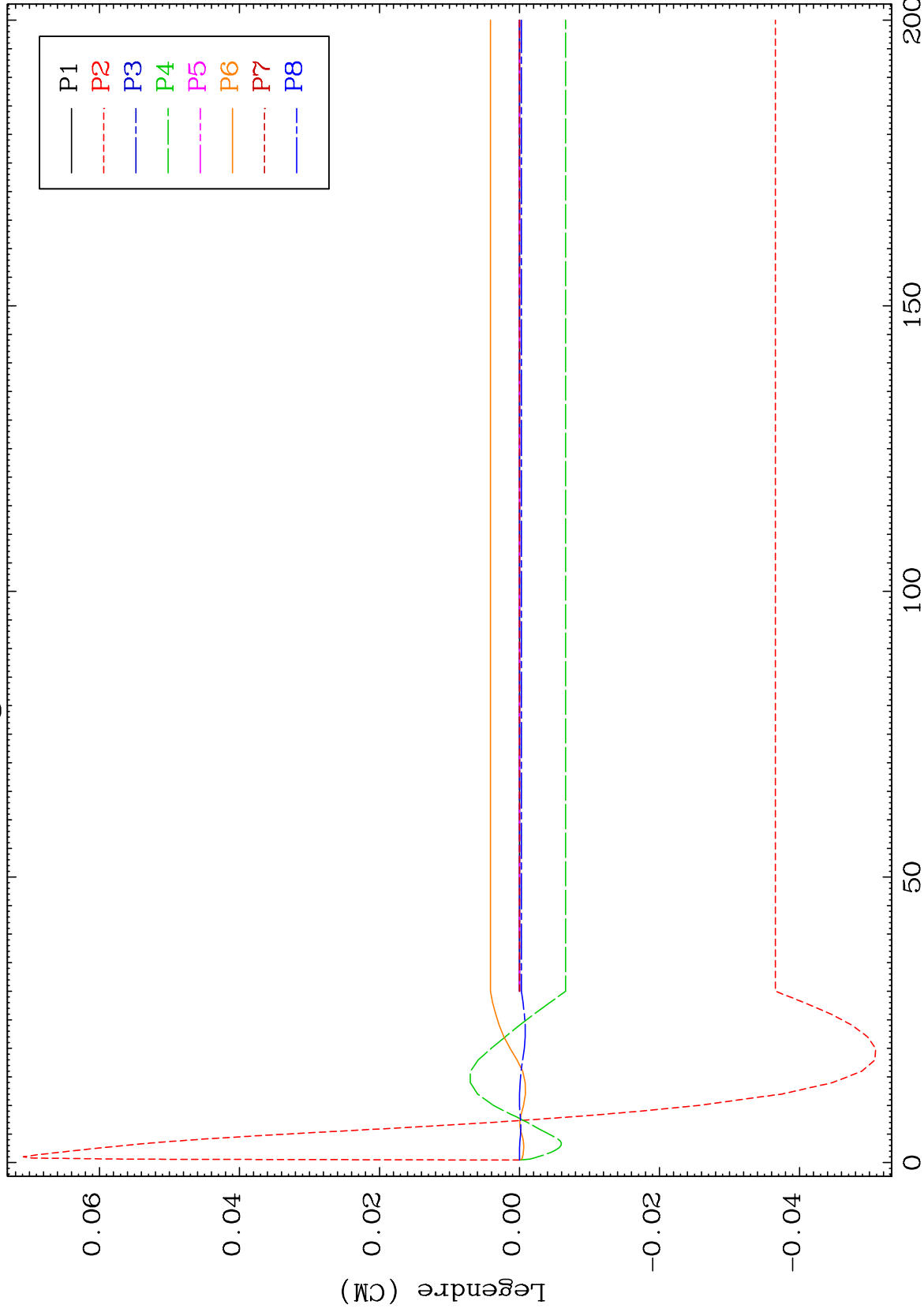
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



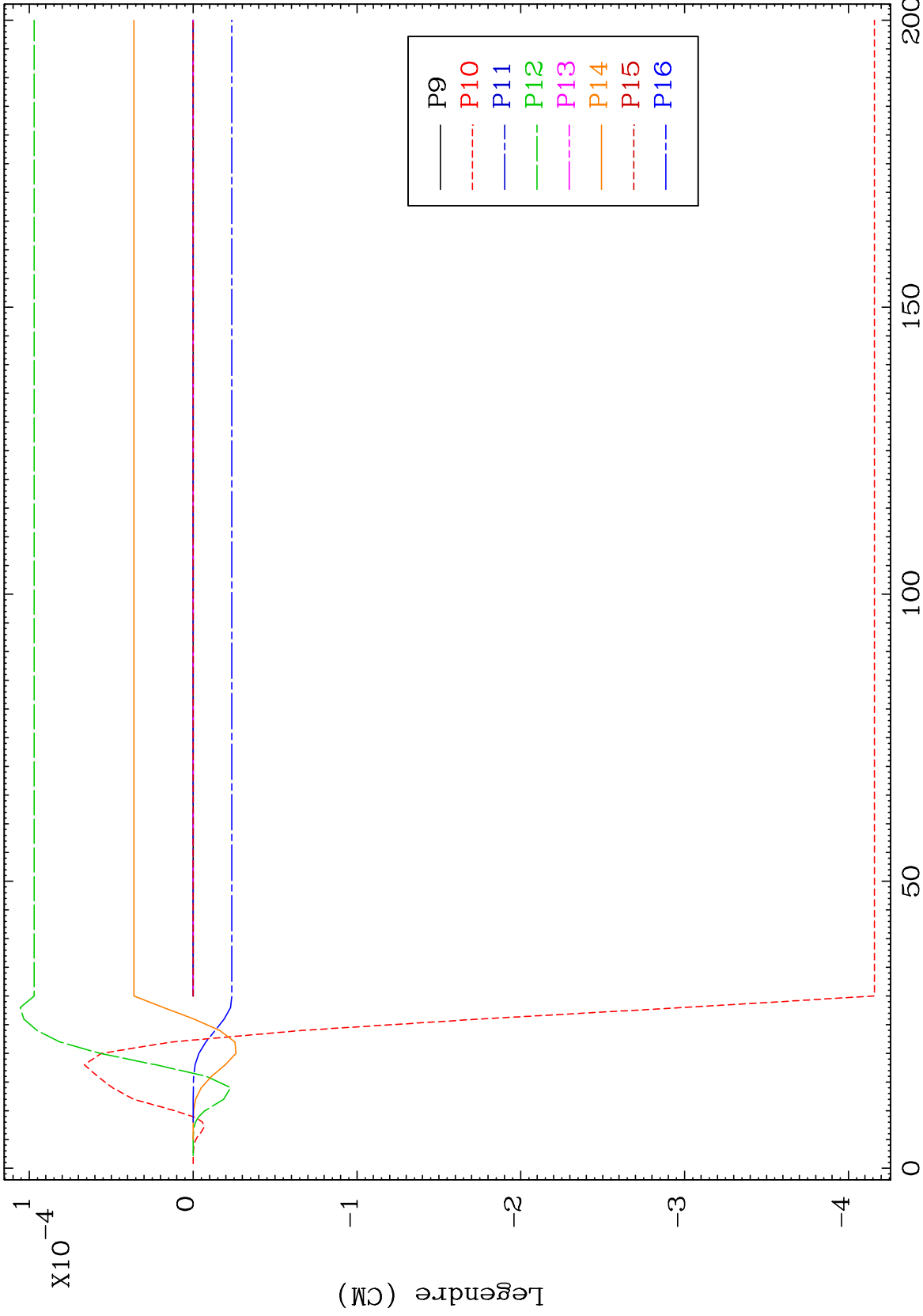
94

53-I -122

MAT 5310

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

53-I -122



95

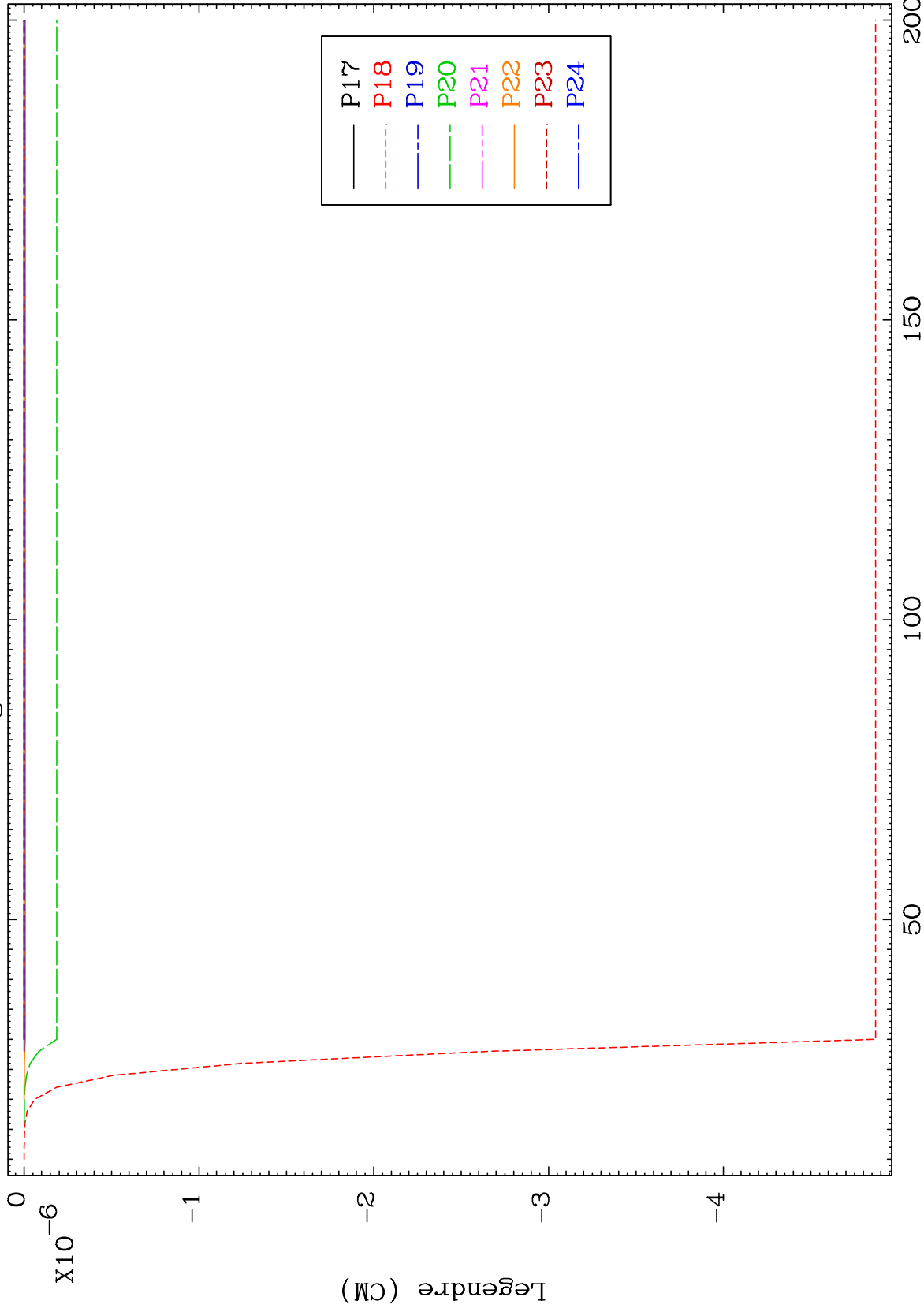
Incident Energy (MeV)

53-I -122

MAT 5310

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

53-I -122



96

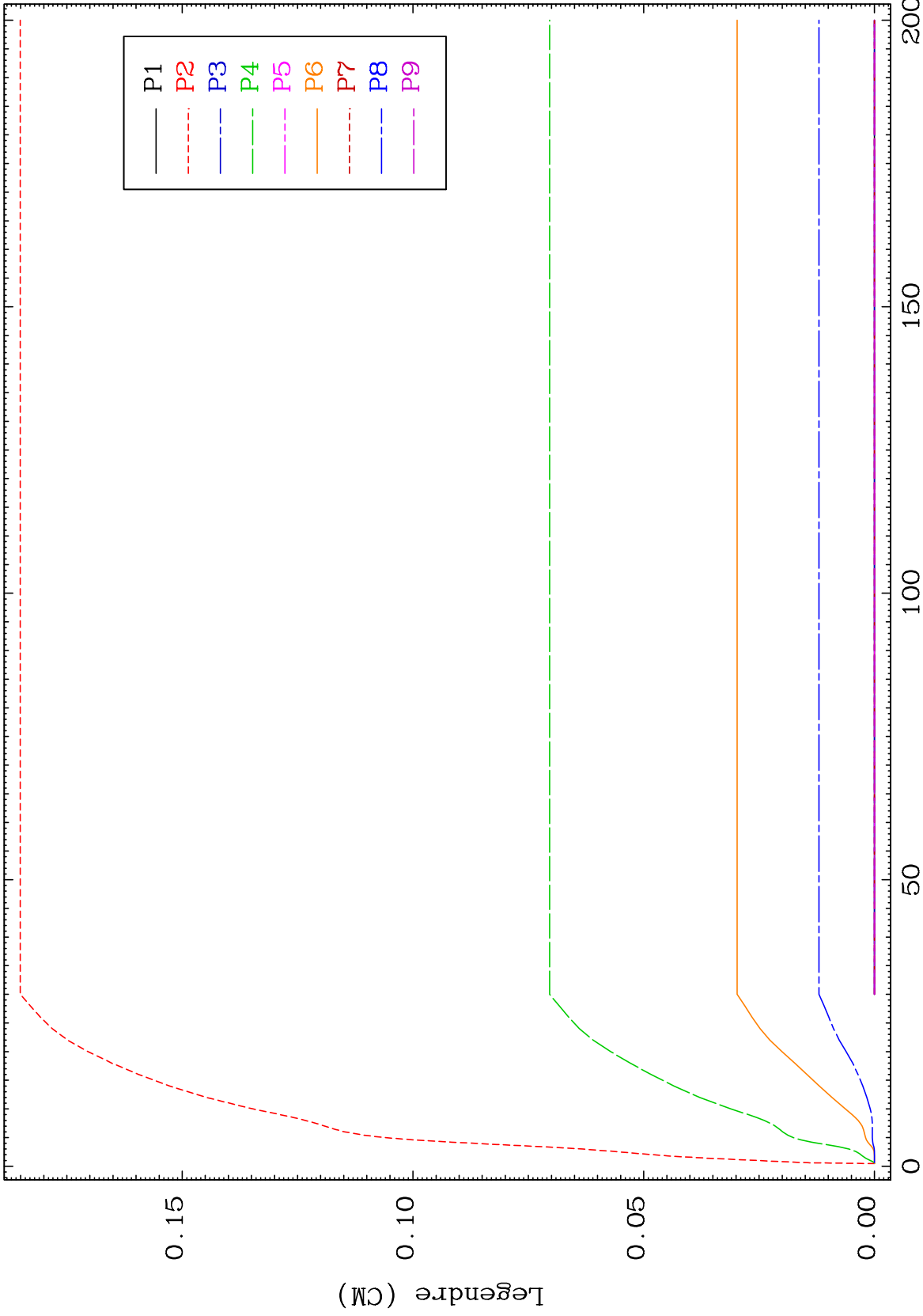
Incident Energy (MeV)

53-I -122

MAT 5310

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

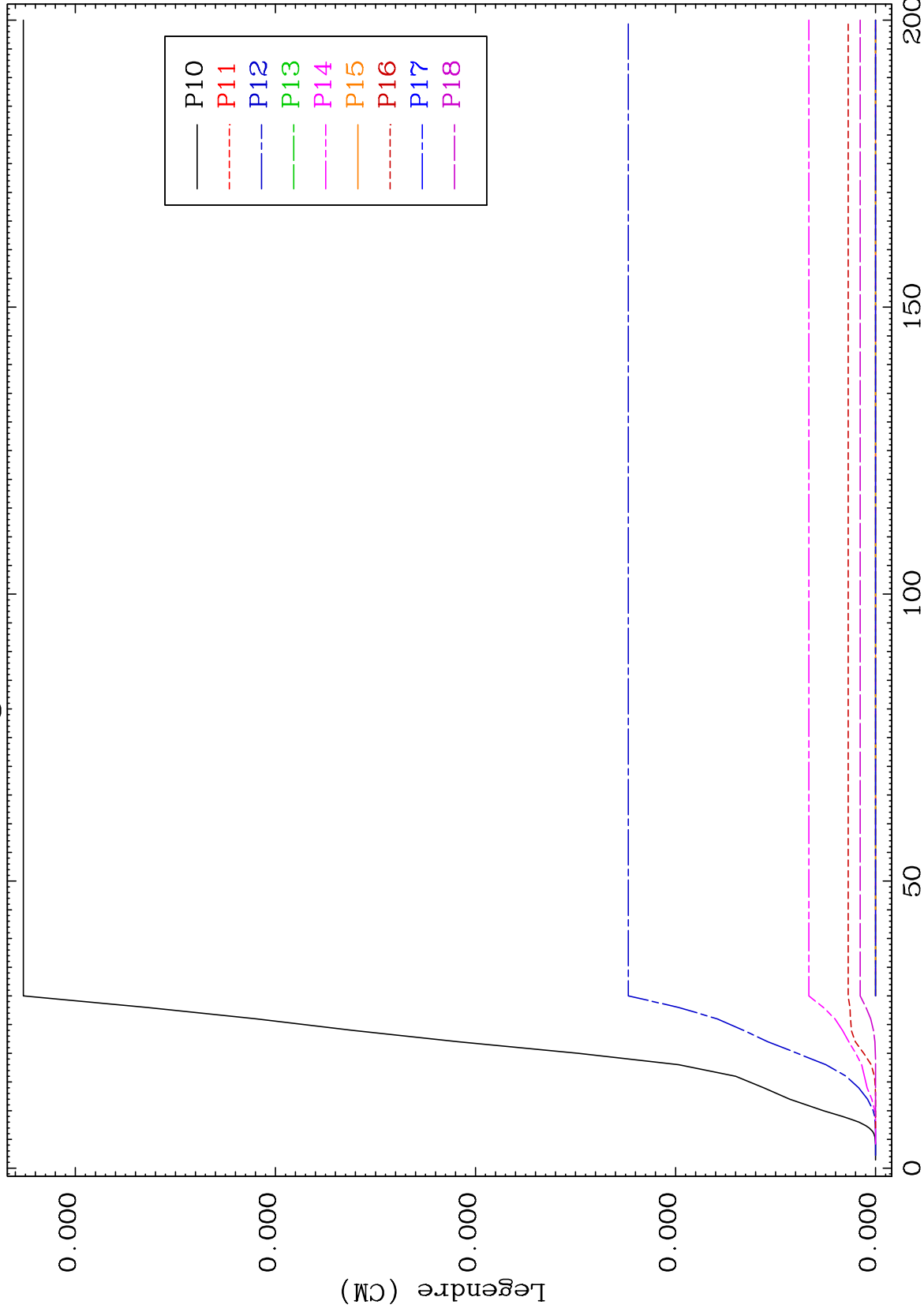
53-I -122



97

Incident Energy (MeV)

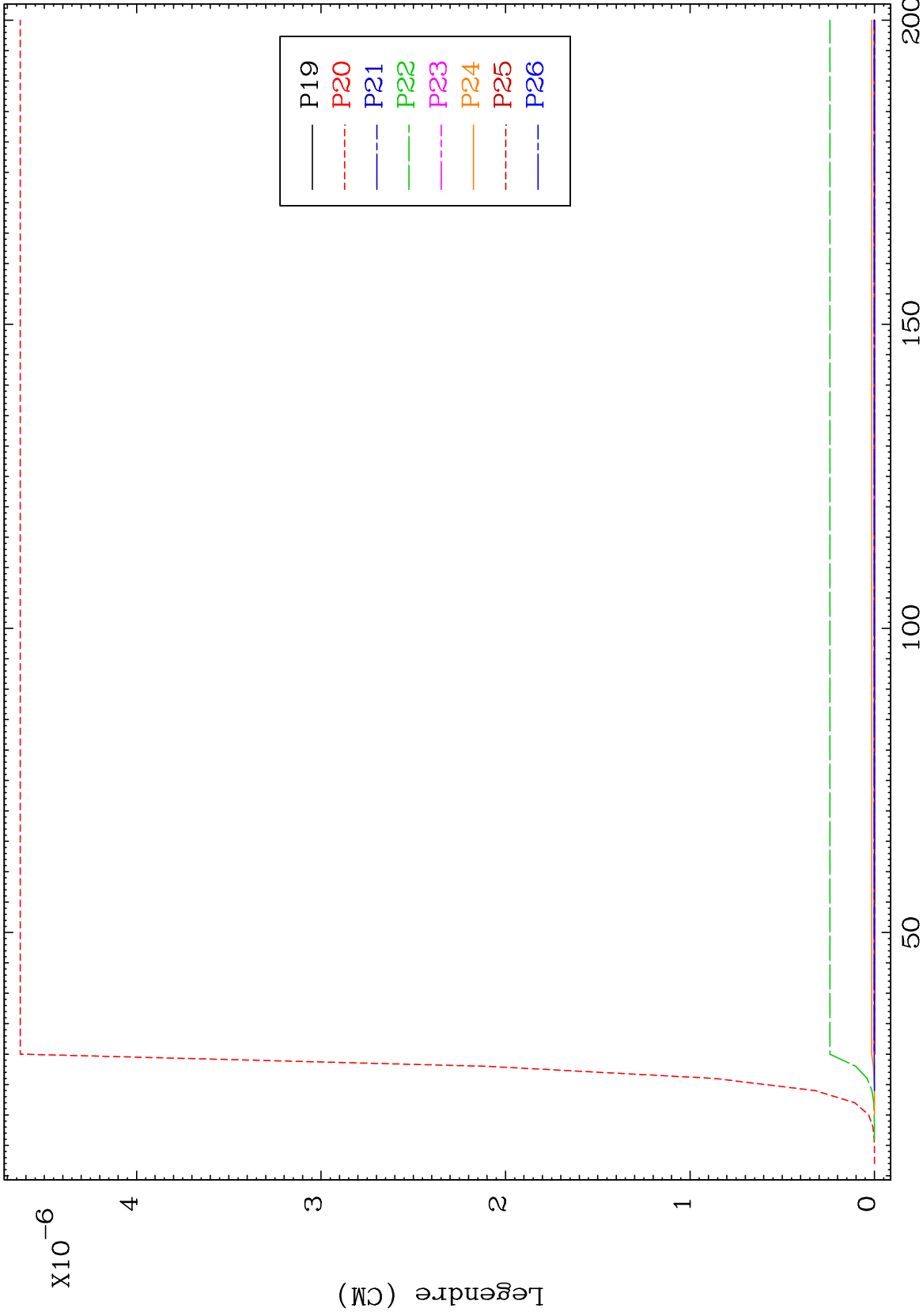
53-I -122



MAT 5310

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

53-I -122



99

Incident Energy (MeV)

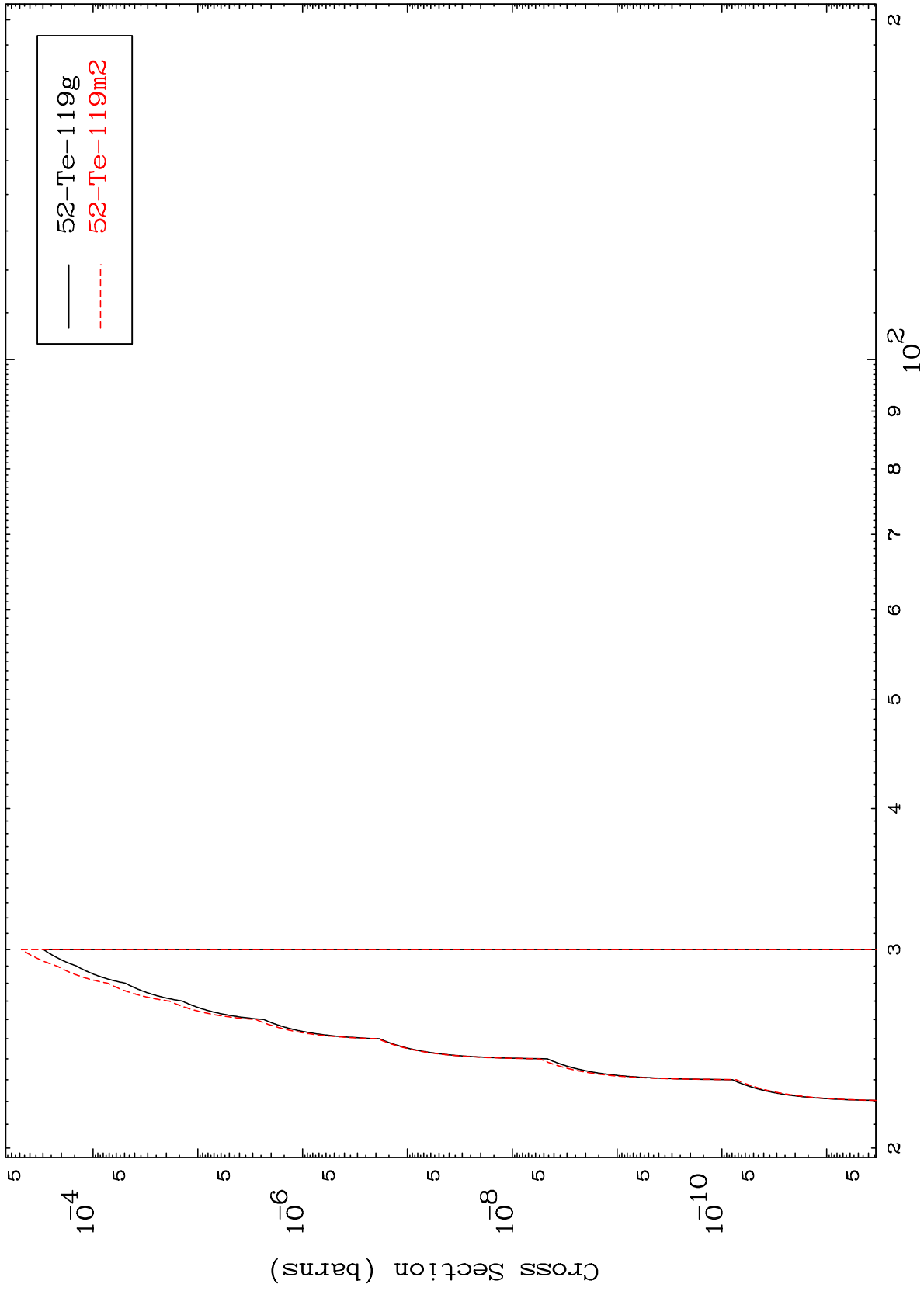
53-I -122

MAT 5310

(n,2n) d

53-I -122

Radionuclide Production Cross Section



100

Incident Energy (MeV)

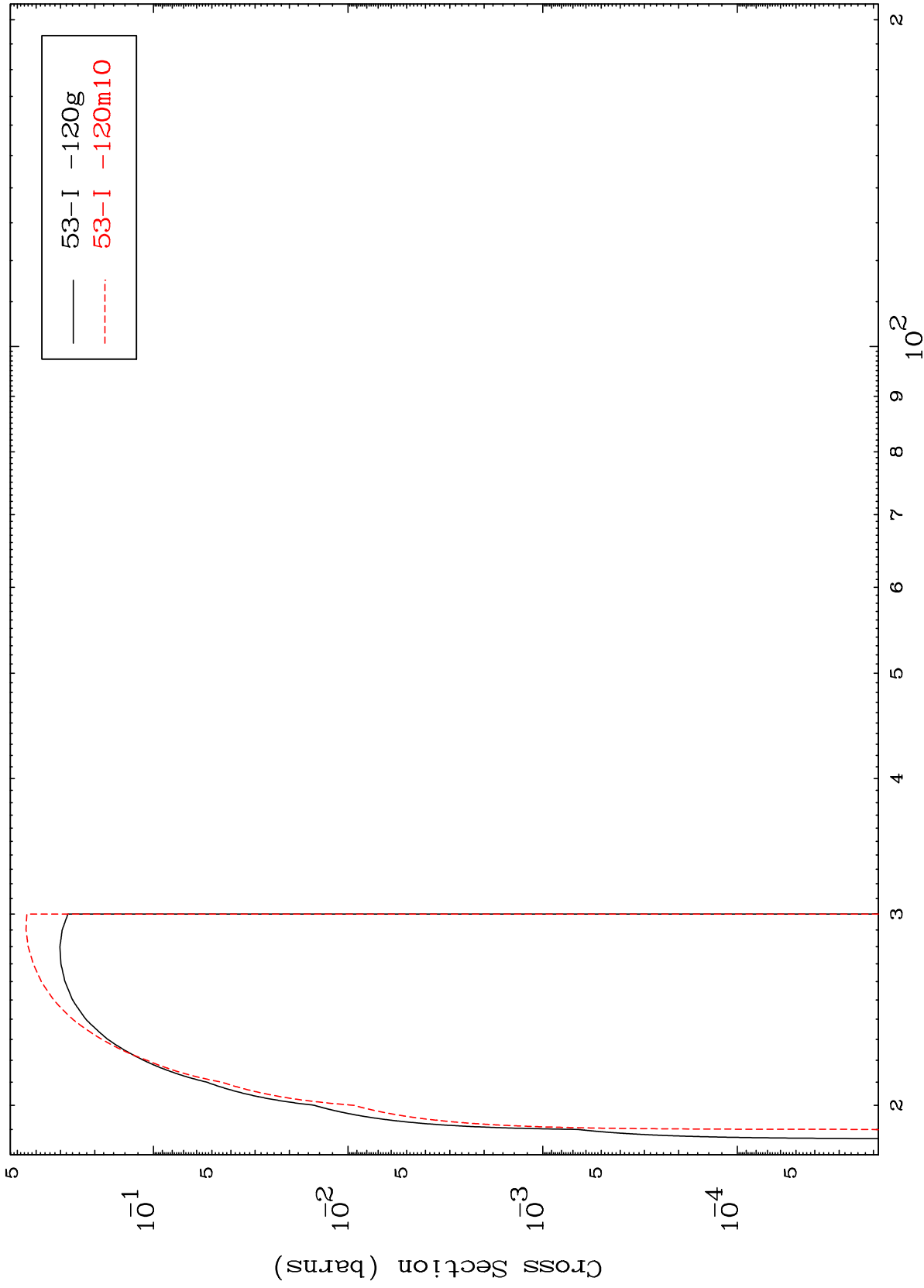
53-I -122

MAT 5310

(n,3n)

53-I -122

Radionuclide Production Cross Section



101

Incident Energy (MeV)

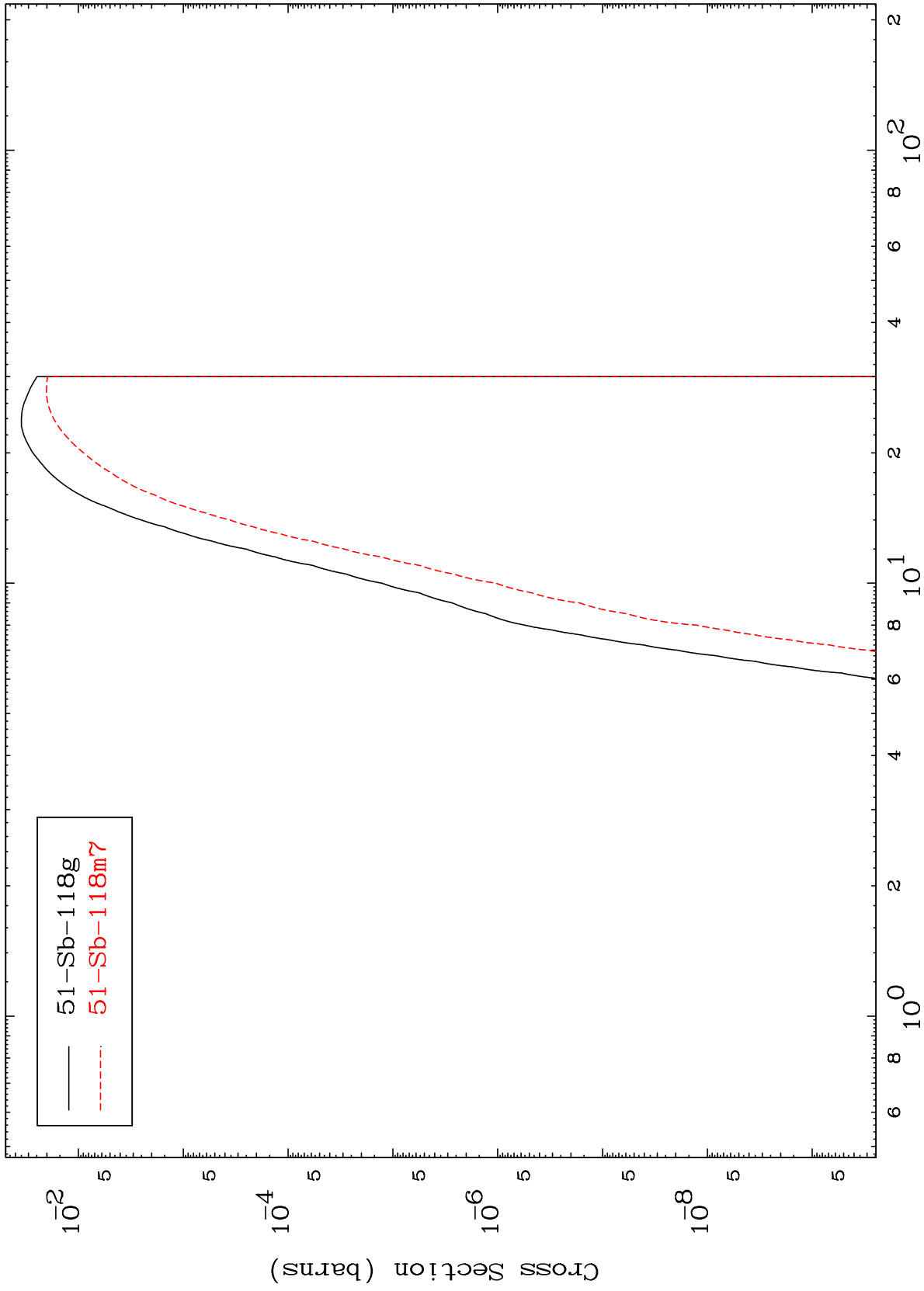
53-I -122

MAT 5310

(n,n')  $\alpha$

53-I -122

Radionuclide Production Cross Section



102

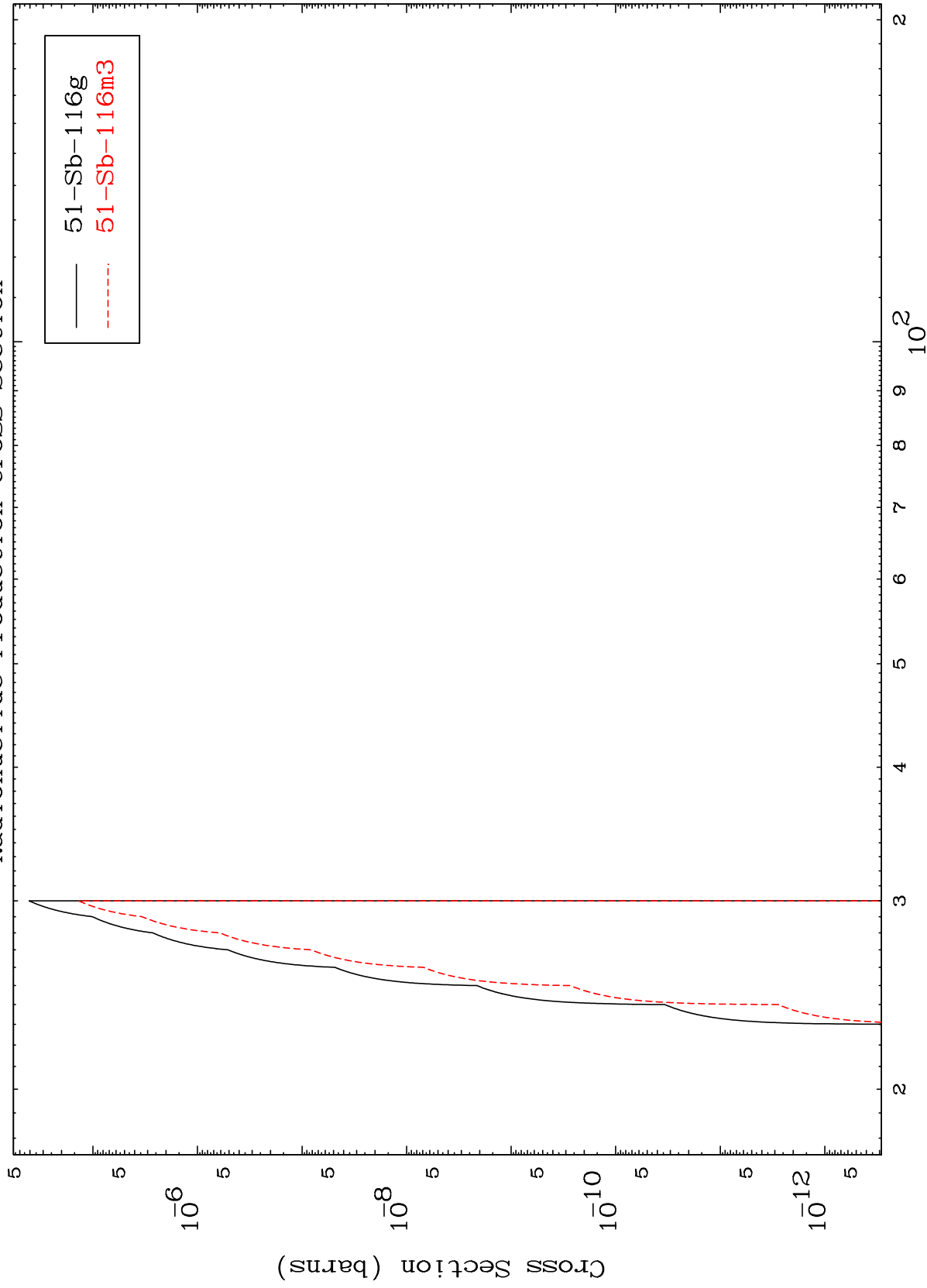
53-I -122

MAT 5310

(n,3n)  $\alpha$

53-I -122

Radionuclide Production Cross Section



103

Incident Energy (MeV)

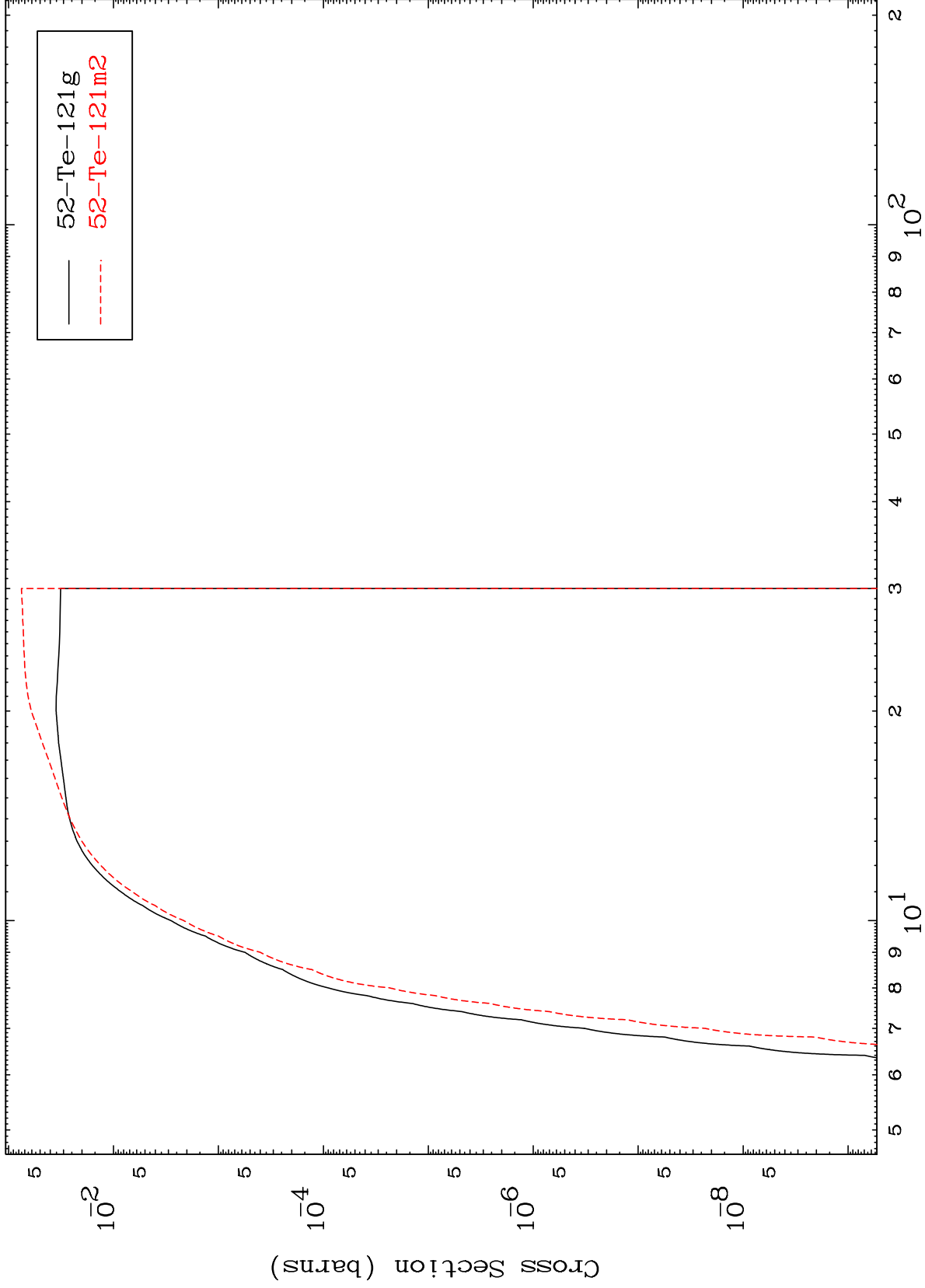
53-I -122

MAT 5310

(n,n') p

53-I -122

Radionuclide Production Cross Section



104

Incident Energy (MeV)

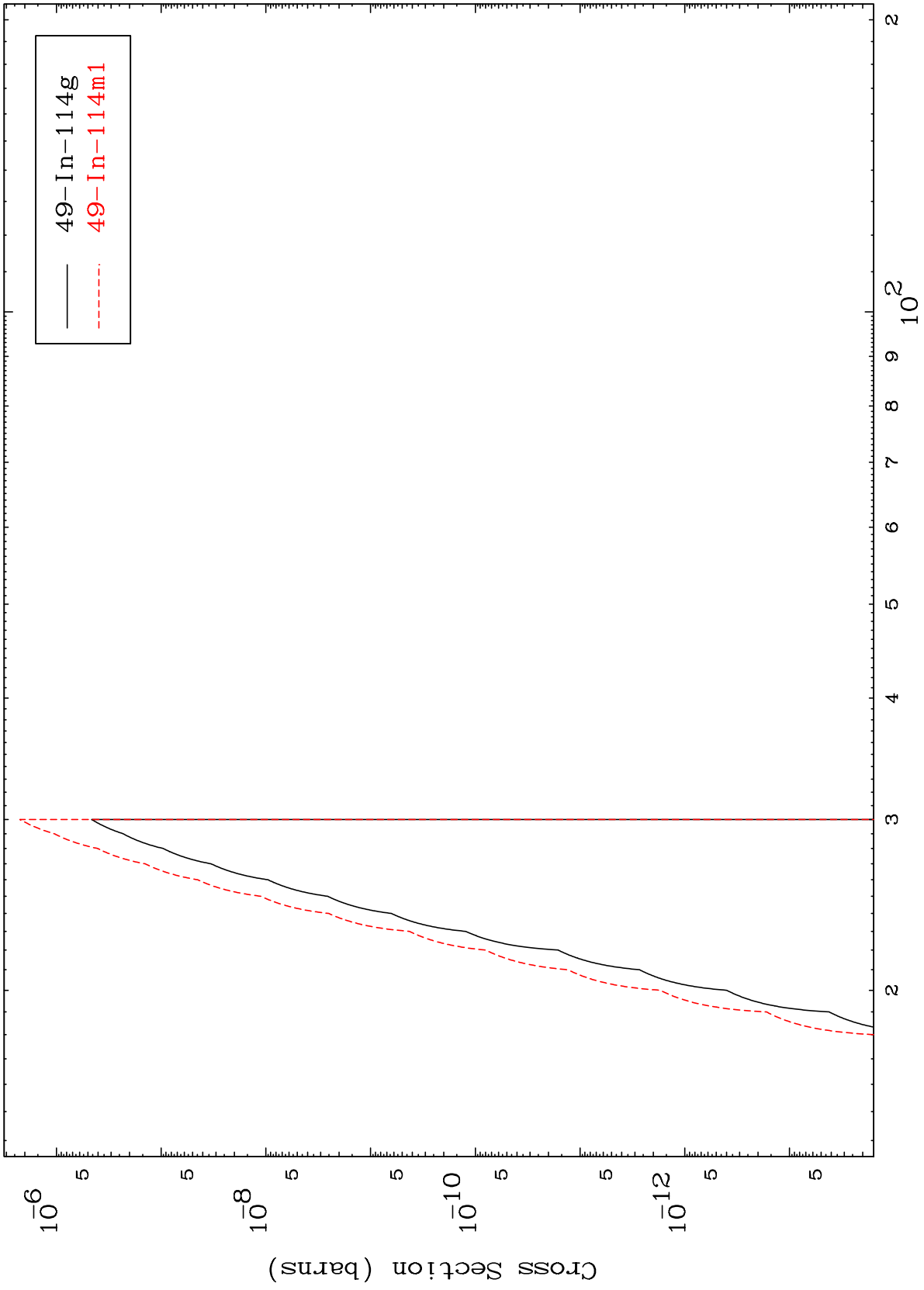
53-I -122

MAT 5310

(n,n') 2 $\alpha$

53-I -122

Radionuclide Production Cross Section



105

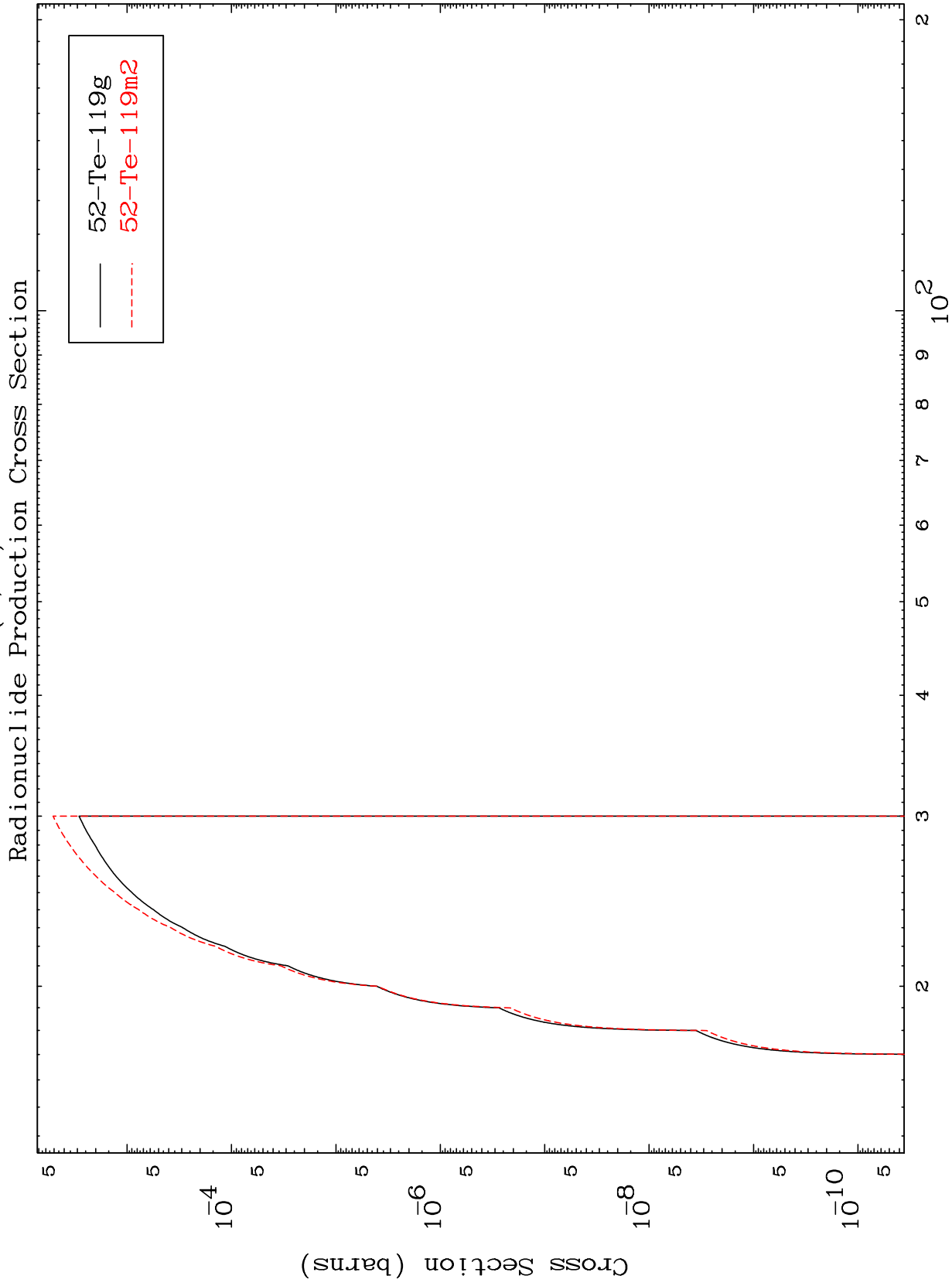
Incident Energy (MeV)

53-I -122

MAT 5310

(n,n') t

53-I -122



106

Incident Energy (MeV)

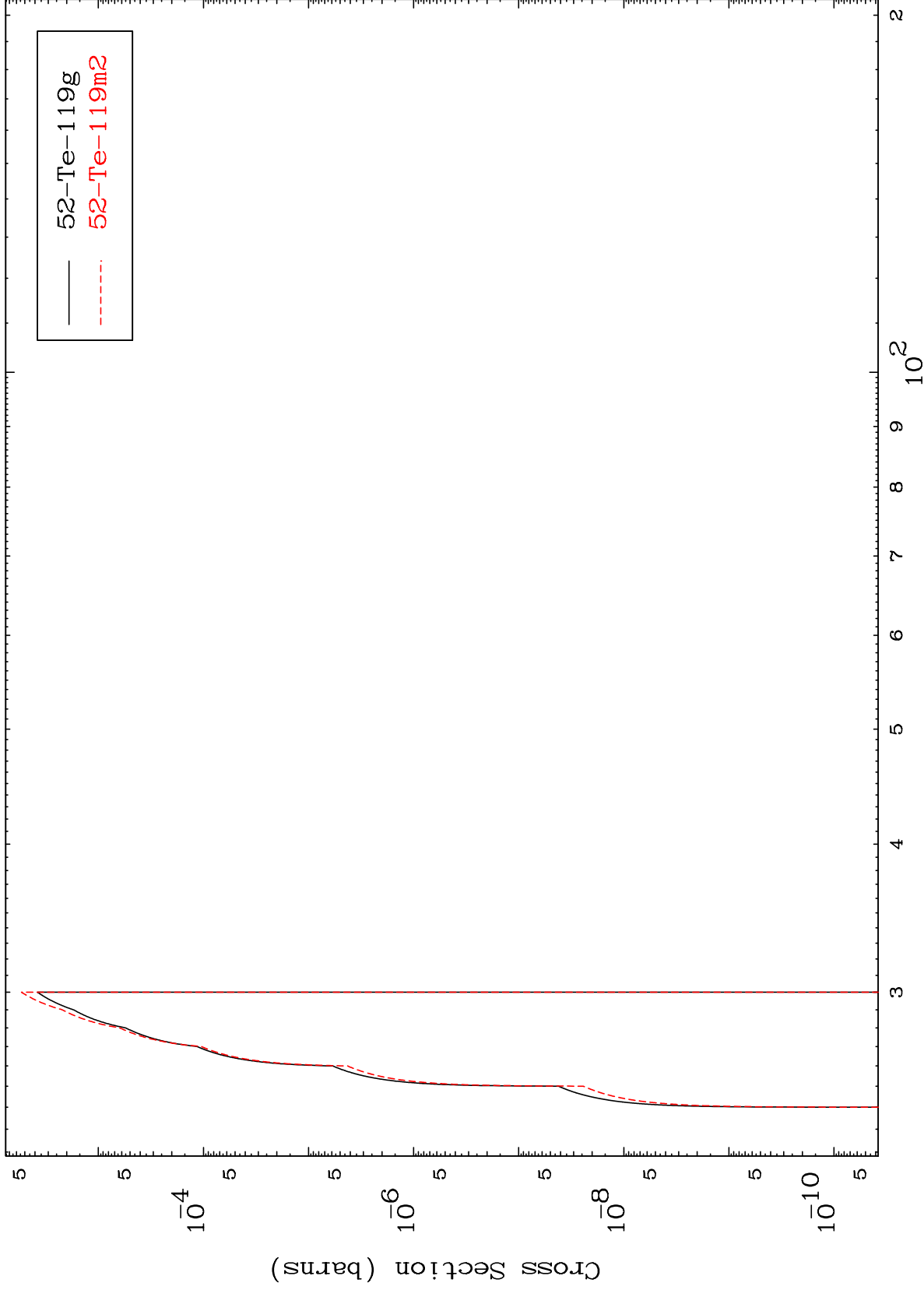
53-I -122

MAT 5310

(n,3n) p

53-I -122

Radionuclide Production Cross Section

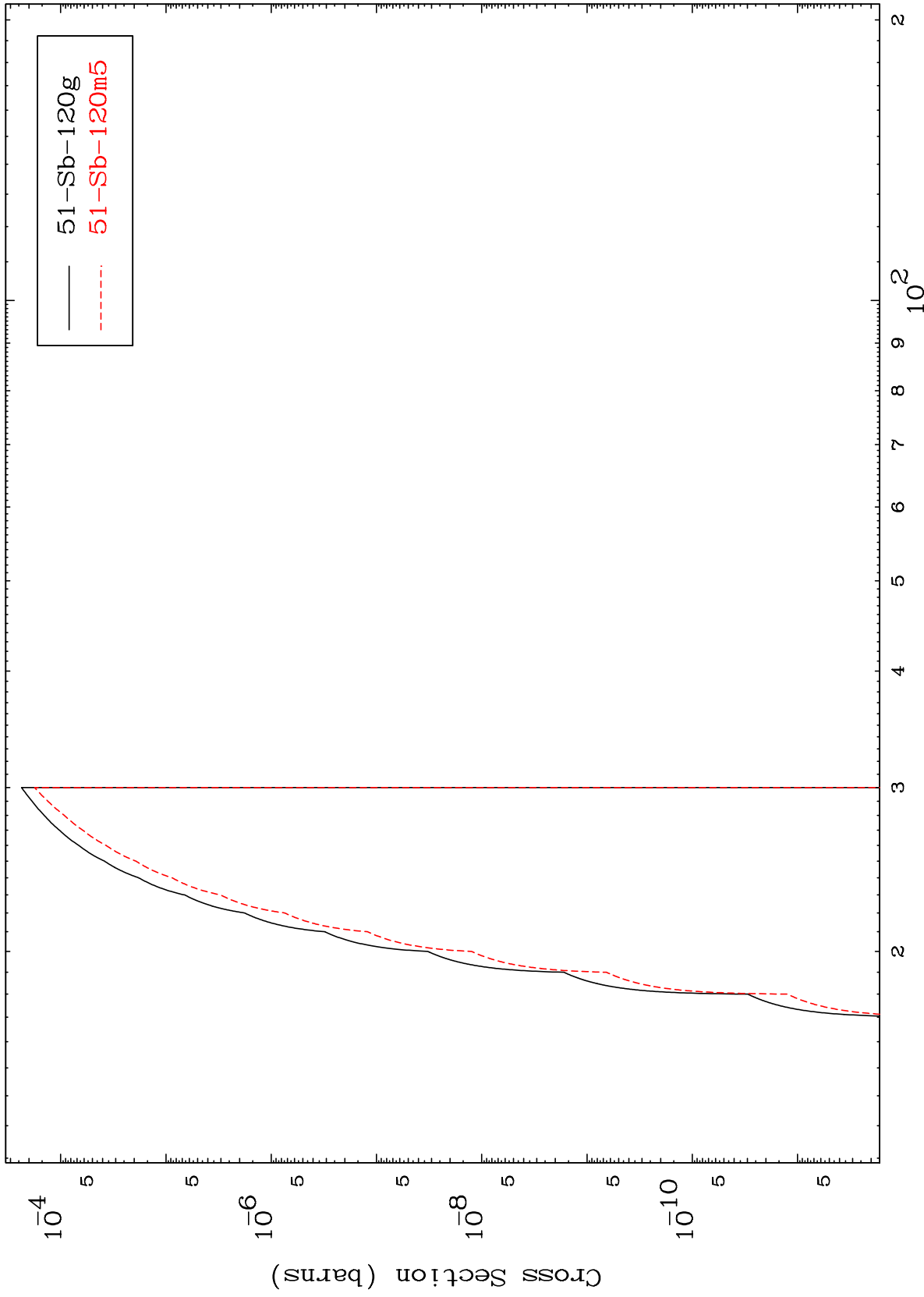


107

Incident Energy (MeV)

53-I -122

Radionuclide Production Cross Section

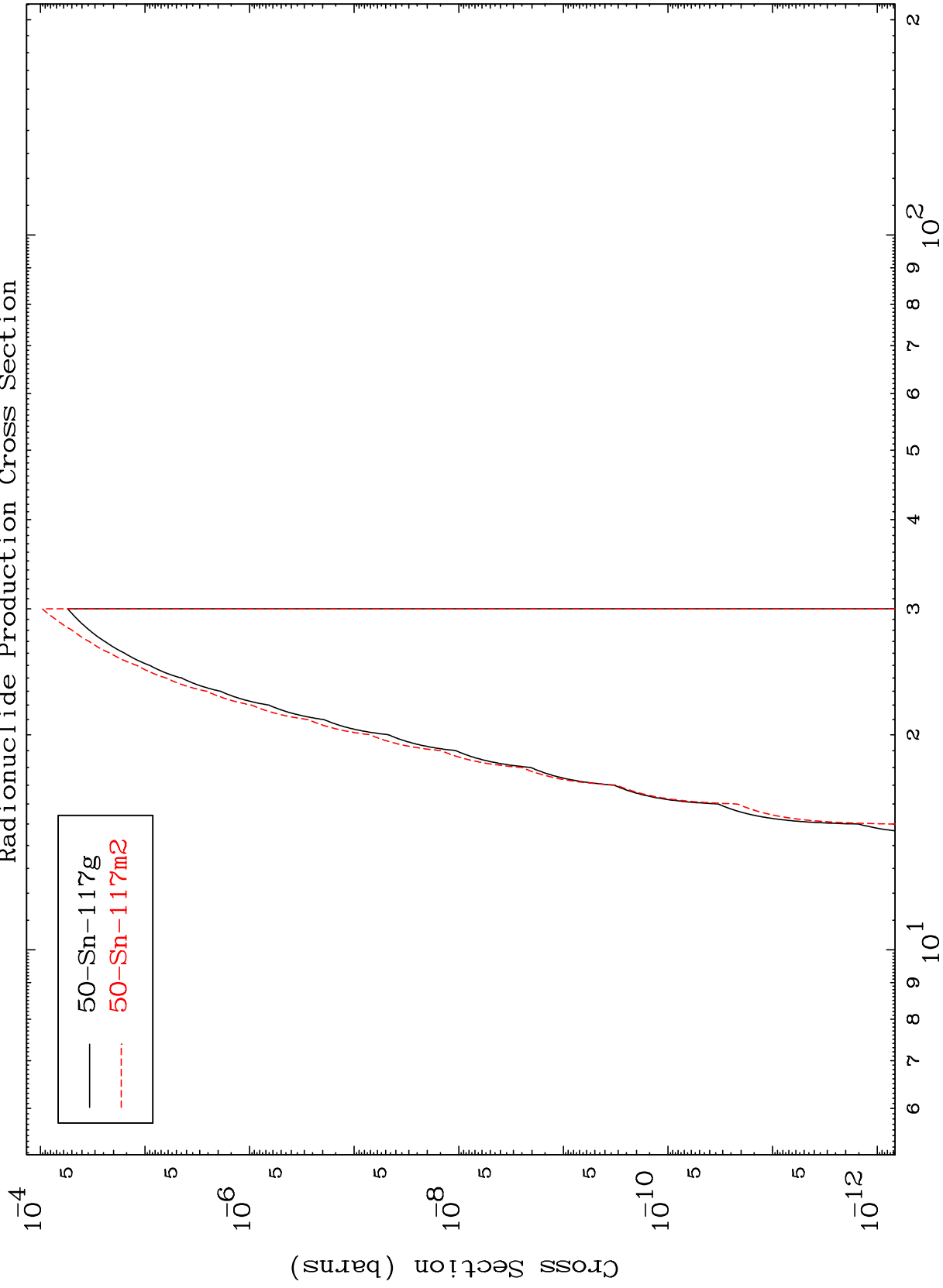


MAT 5310

(n,n') p  $\alpha$

53-I -122

Radionuclide Production Cross Section



109

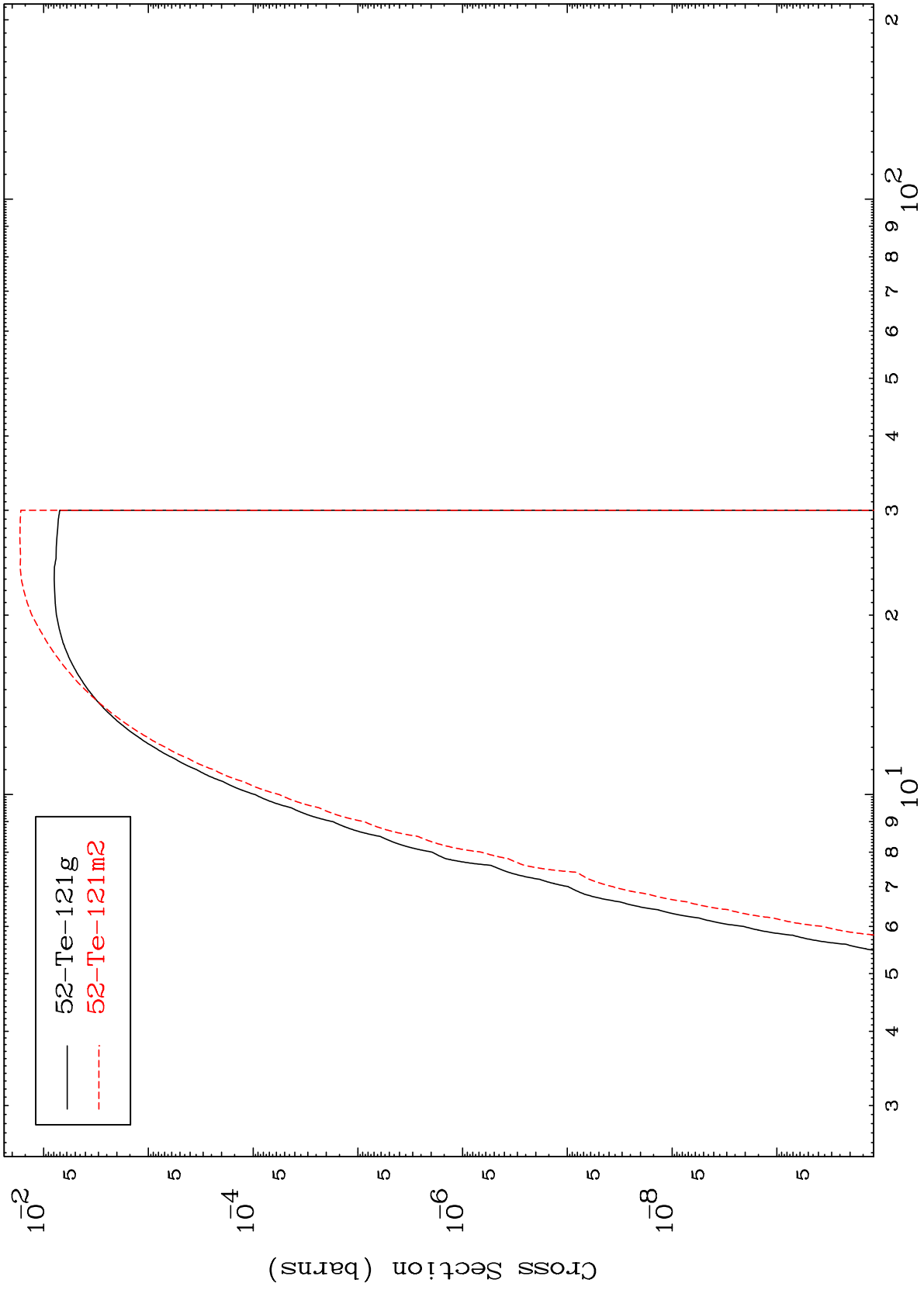
Incident Energy (MeV)

53-I -122

MAT 5310

53-I -122

(n,d)  
Radionuclide Production Cross Section



110

Incident Energy (MeV)

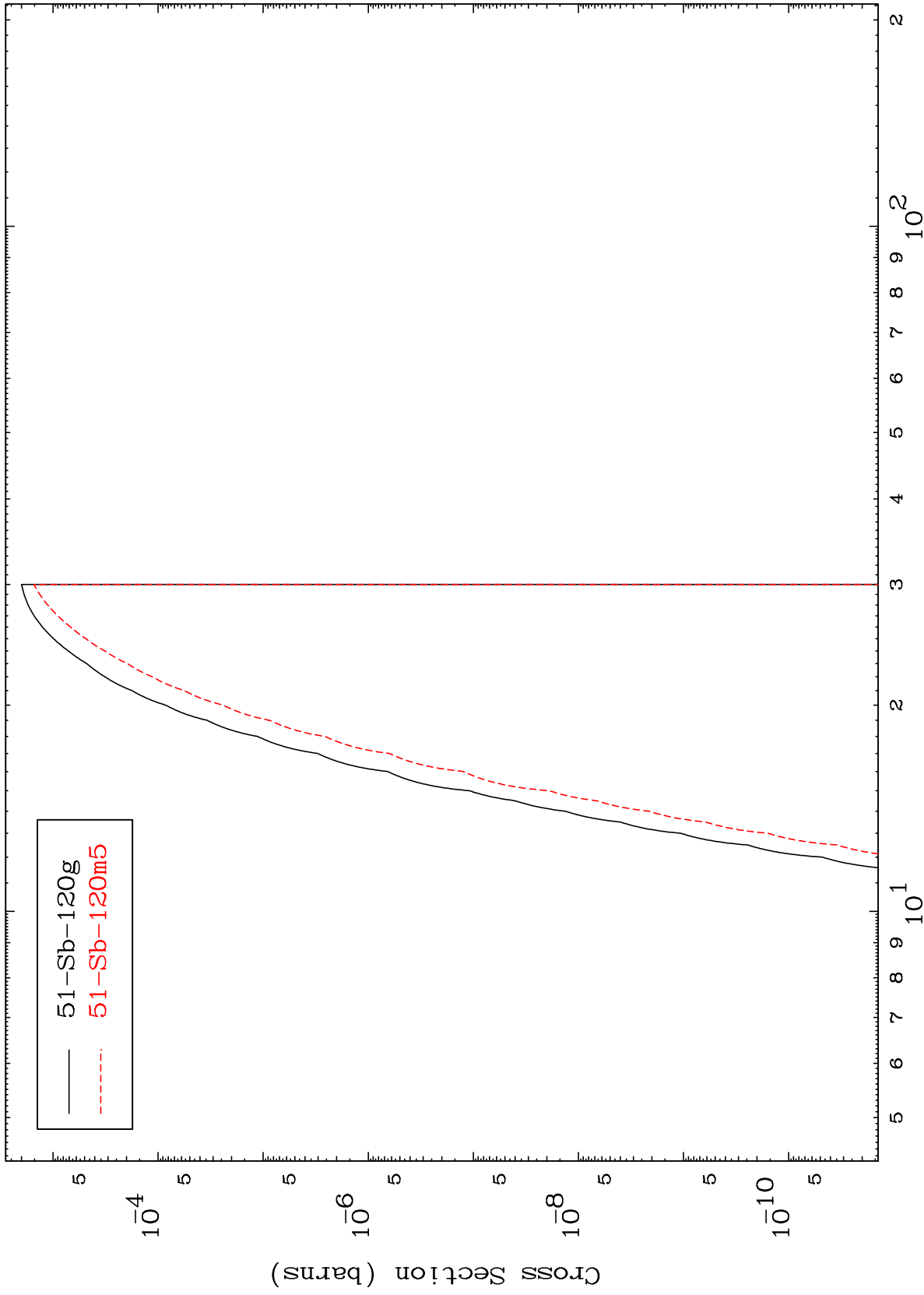
53-I -122

MAT 5310

(n, He-3)

53-I -122

Radionuclide Production Cross Section



111

Incident Energy (MeV)

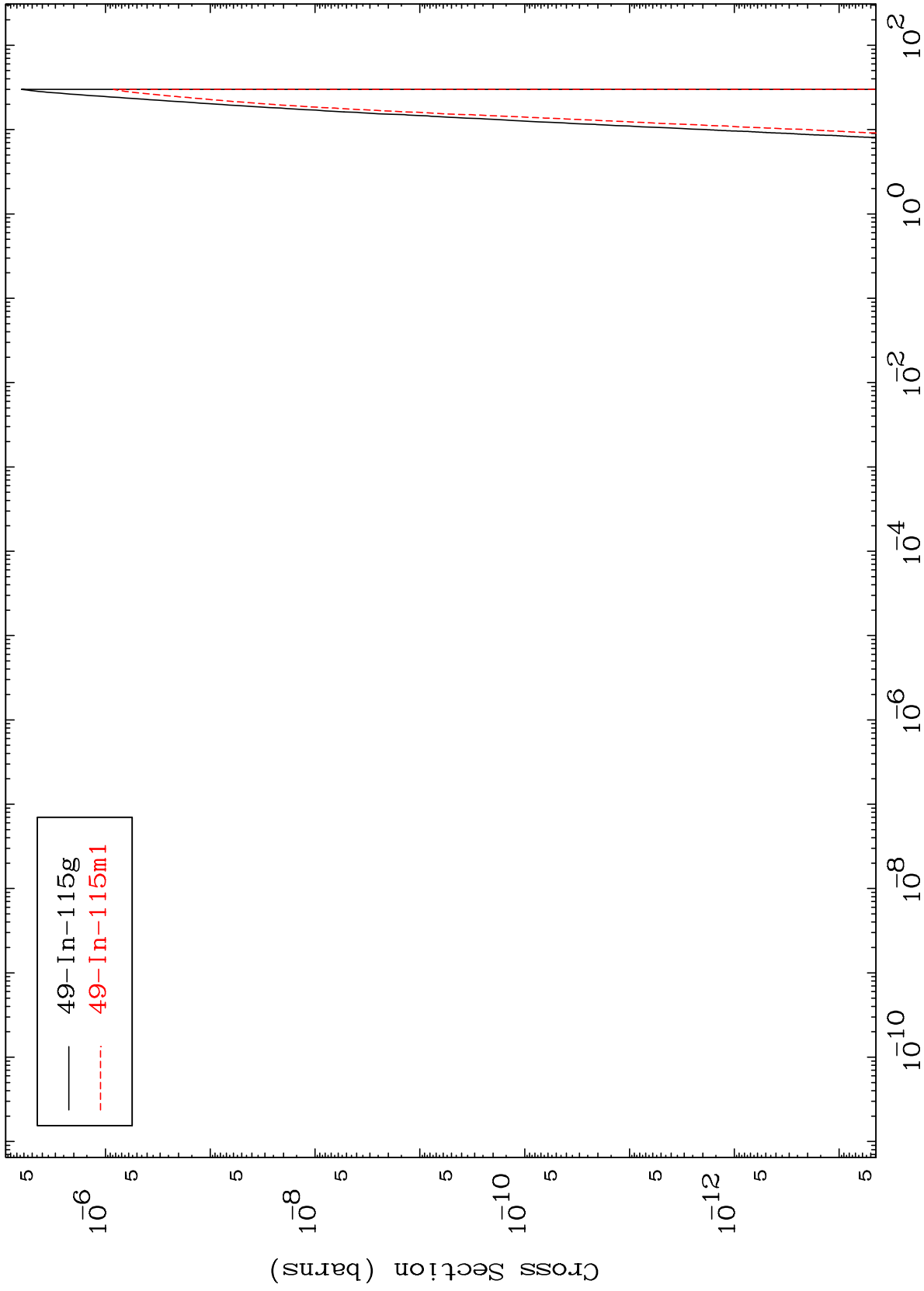
53-I -122

MAT 5310

(n,2α)

53-I -122

Radionuclide Production Cross Section



— 49-In-115g  
- - - 49-In-115m1

112

Incident Energy (MeV)

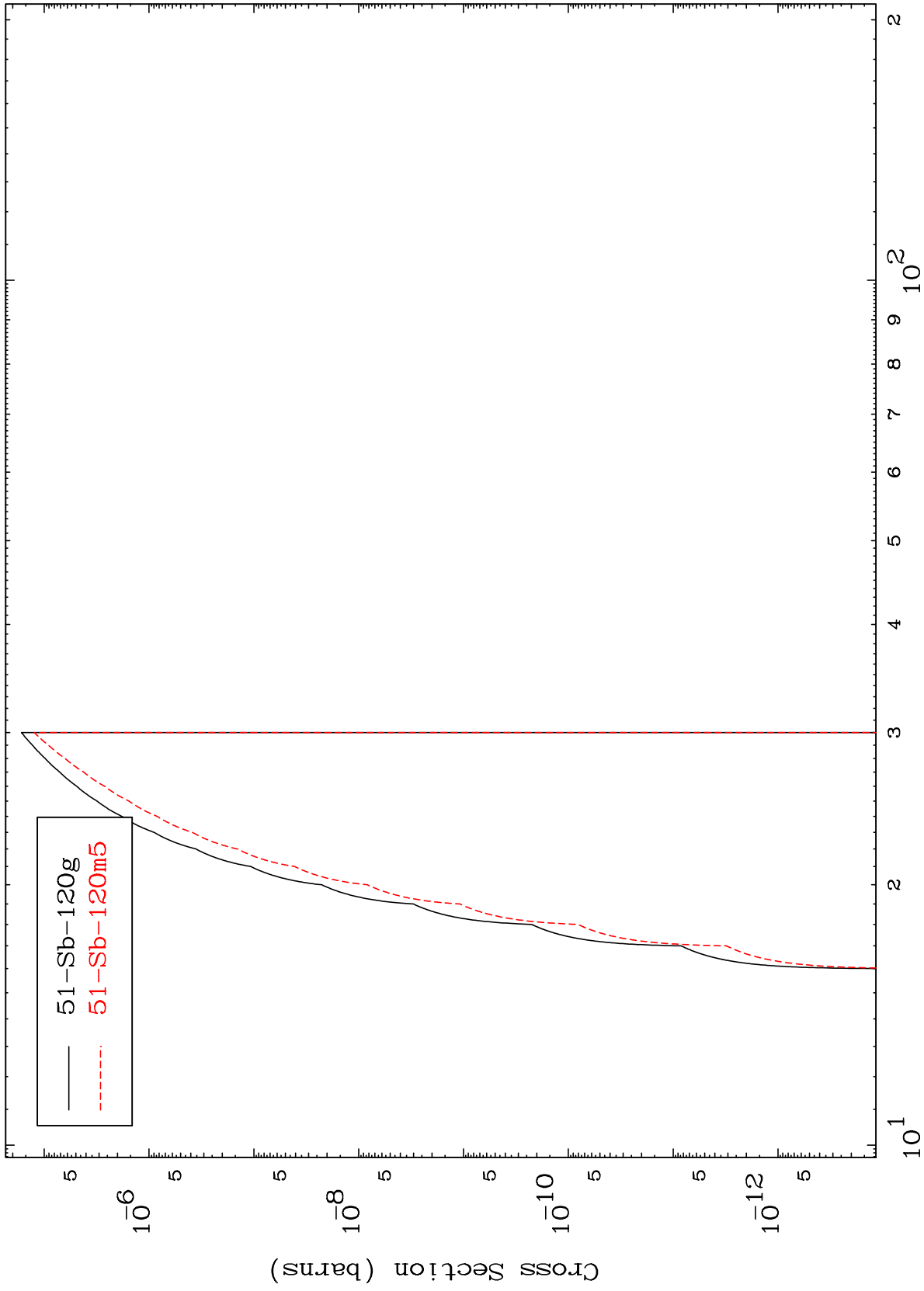
53-I -122

MAT 5310

(n,p) d

53-I -122

Radionuclide Production Cross Section



113

Incident Energy (MeV)

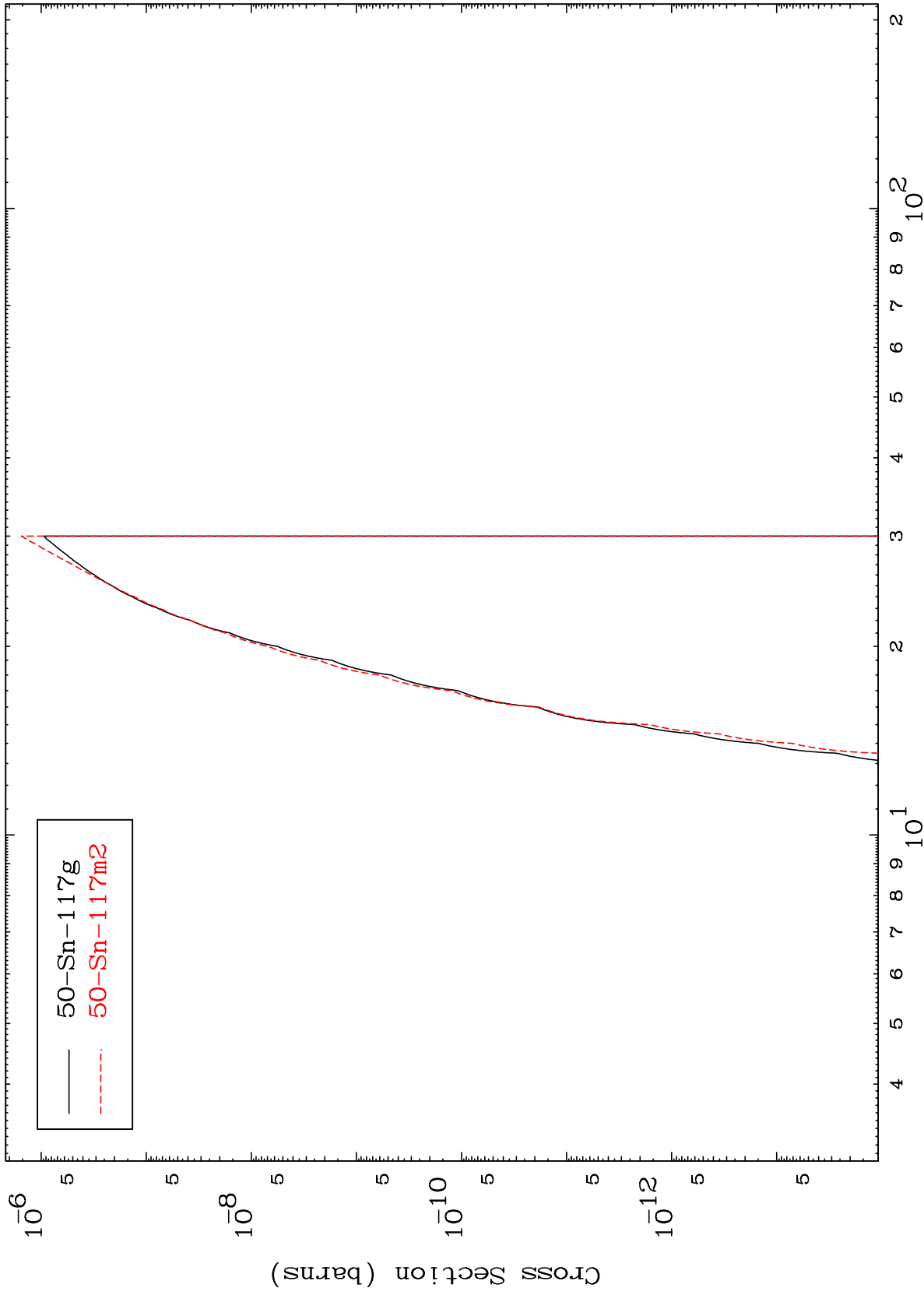
53-I -122

MAT 5310

(n,d)  $\alpha$

53-I -122

Radionuclide Production Cross Section



114

Incident Energy (MeV)

53-I -122