

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

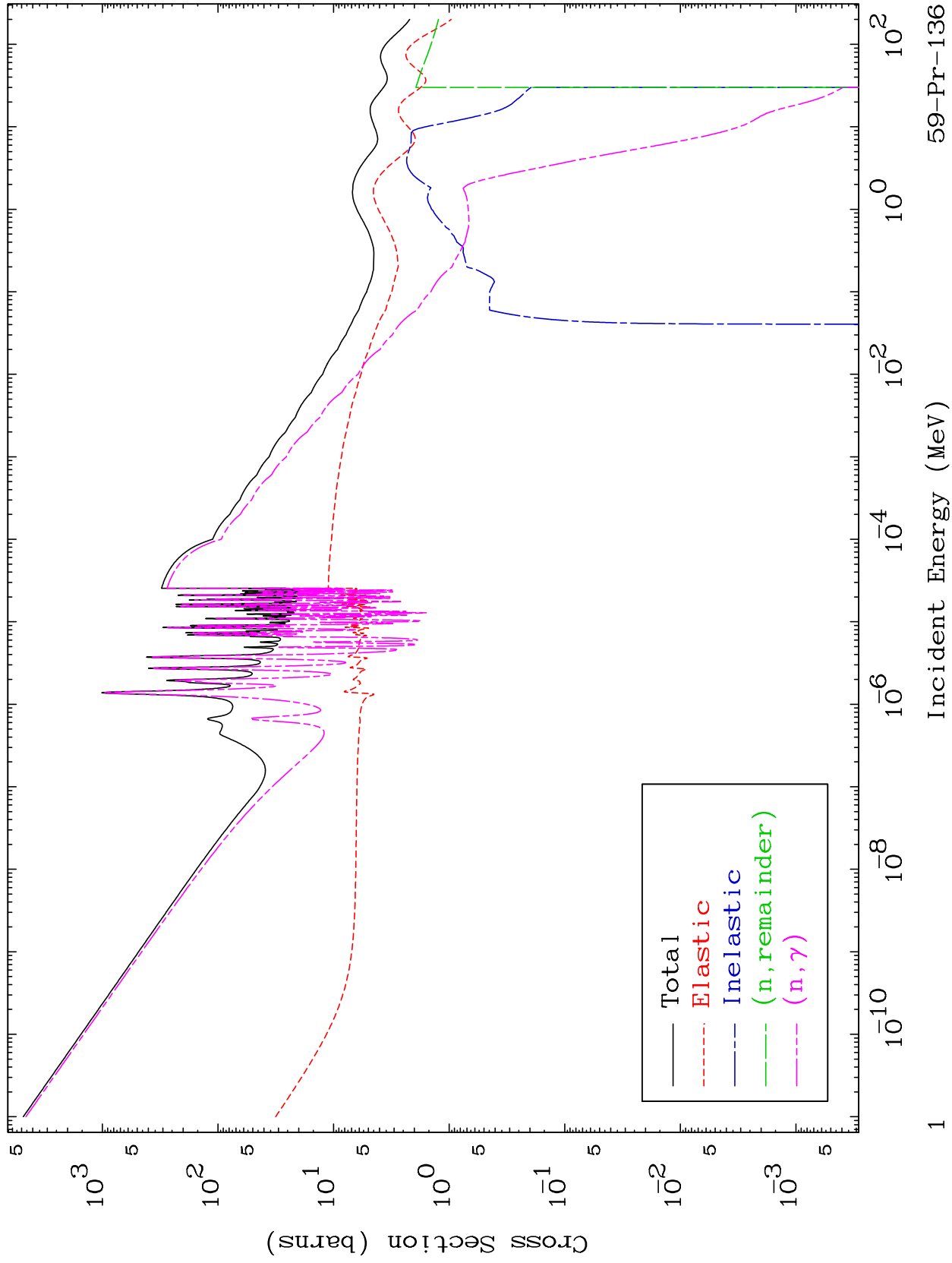
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5910

Major  
293 Kelvin Cross Sections

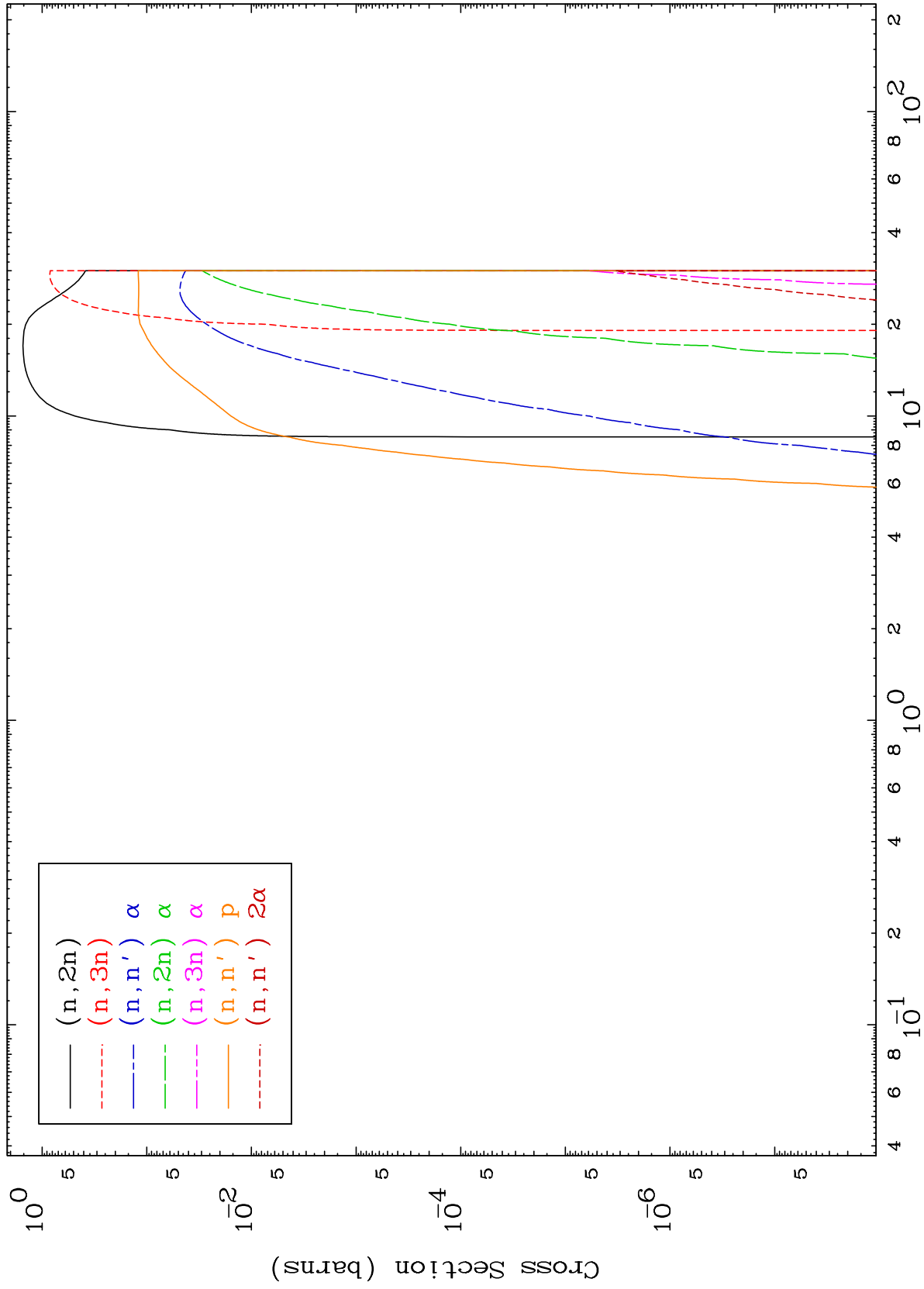
59-Pr-136



MAT 5910

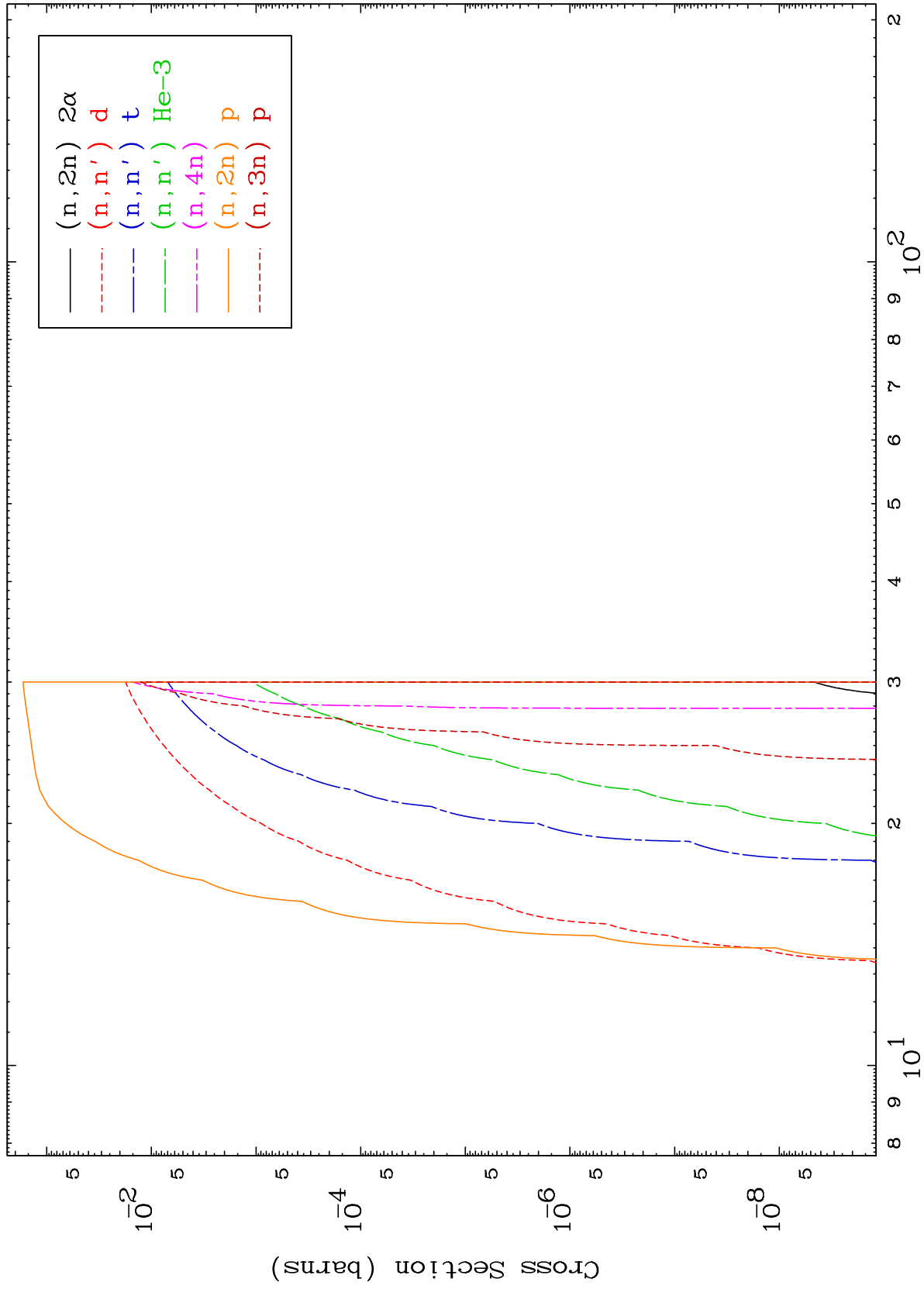
Neutron Production  
293 Kelvin Cross Sections

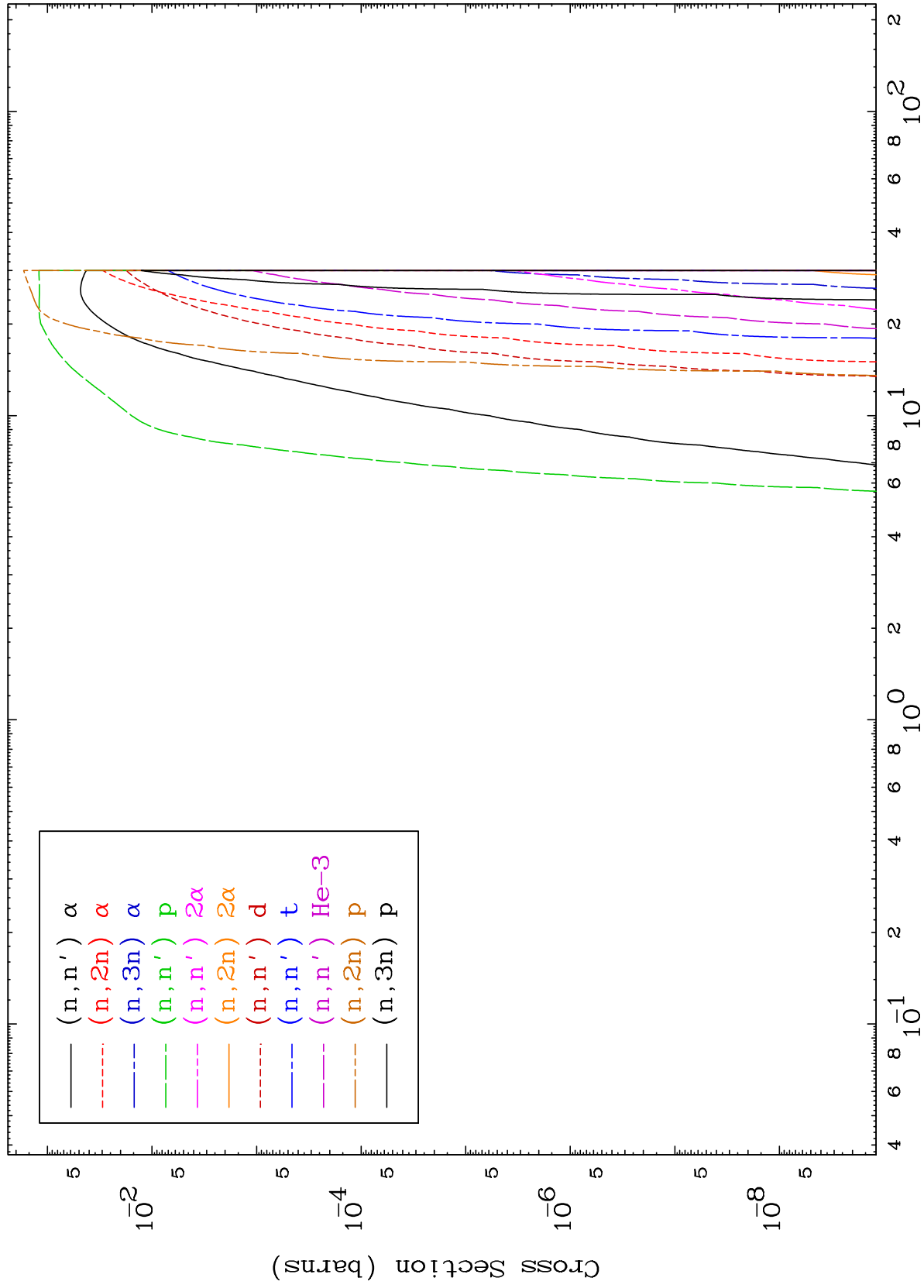
59-Pr-136

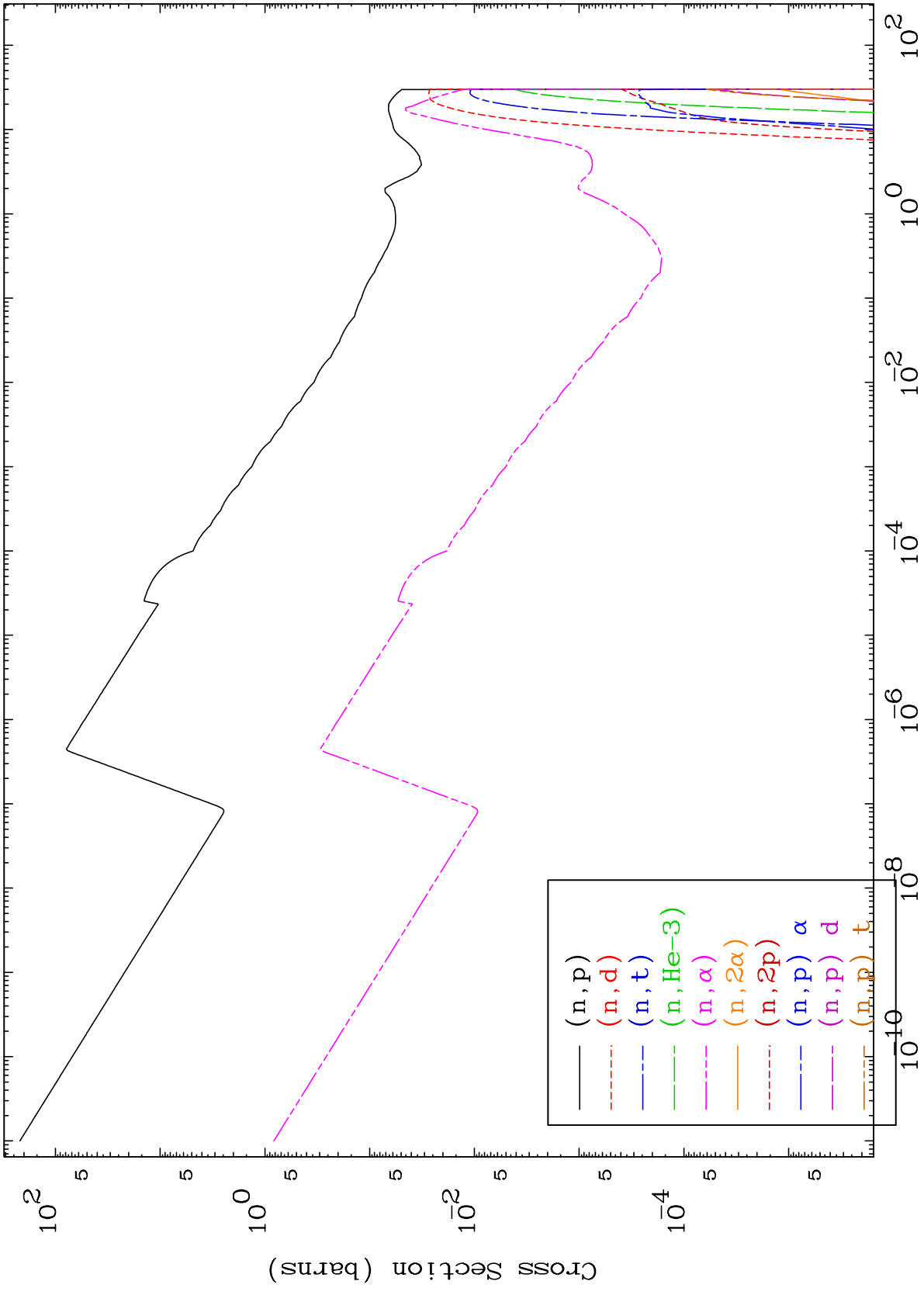


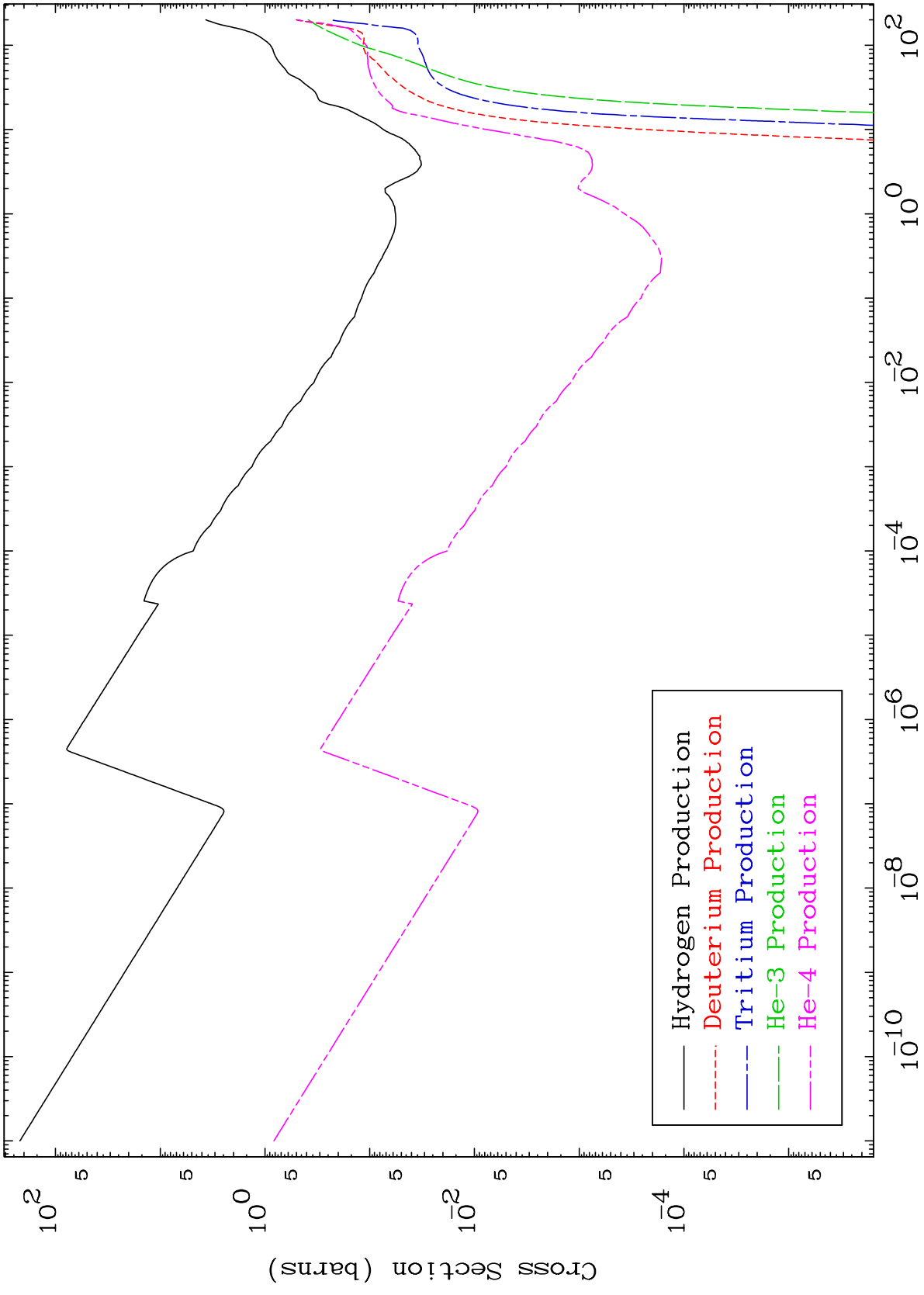
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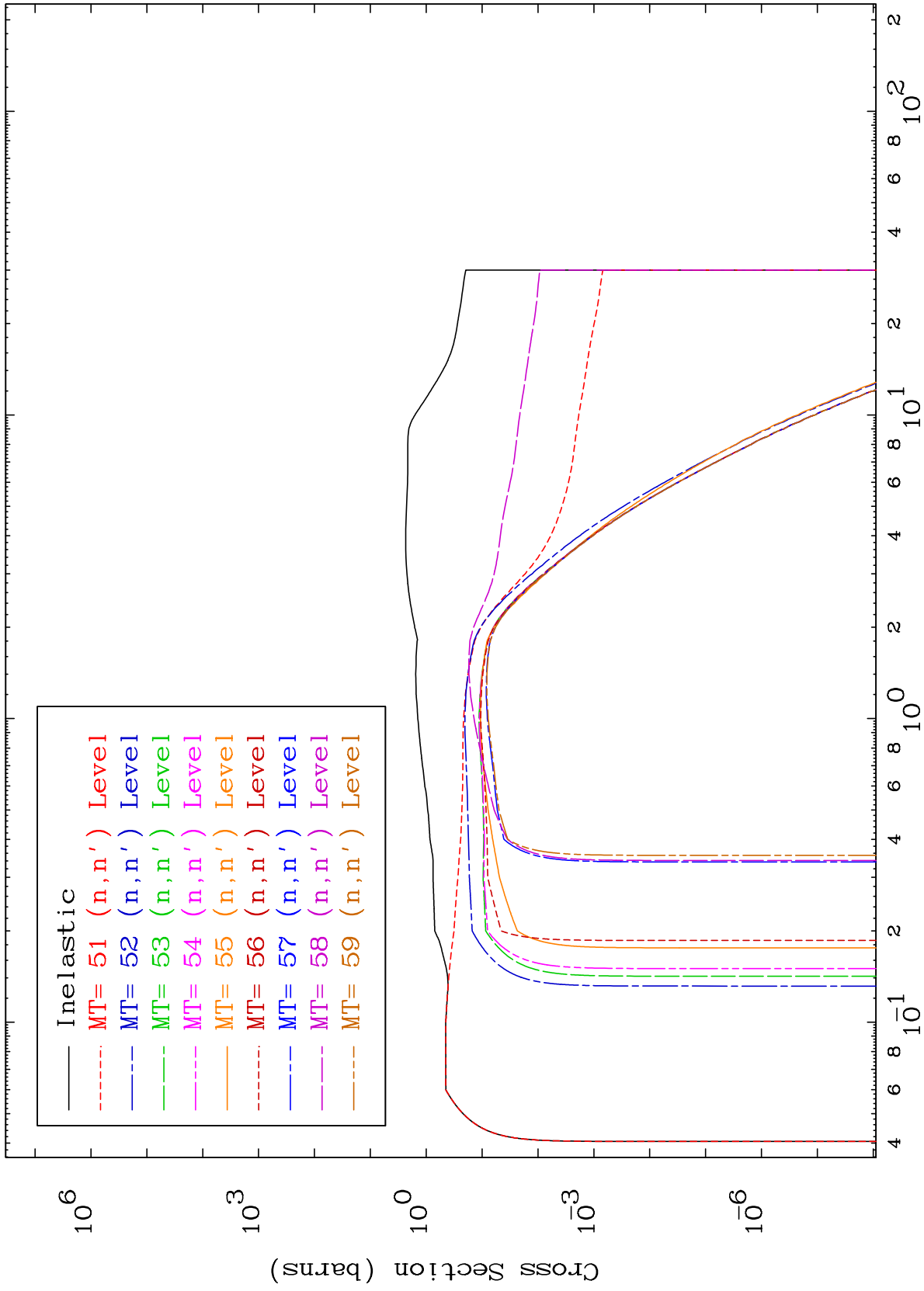
59-Pr-136



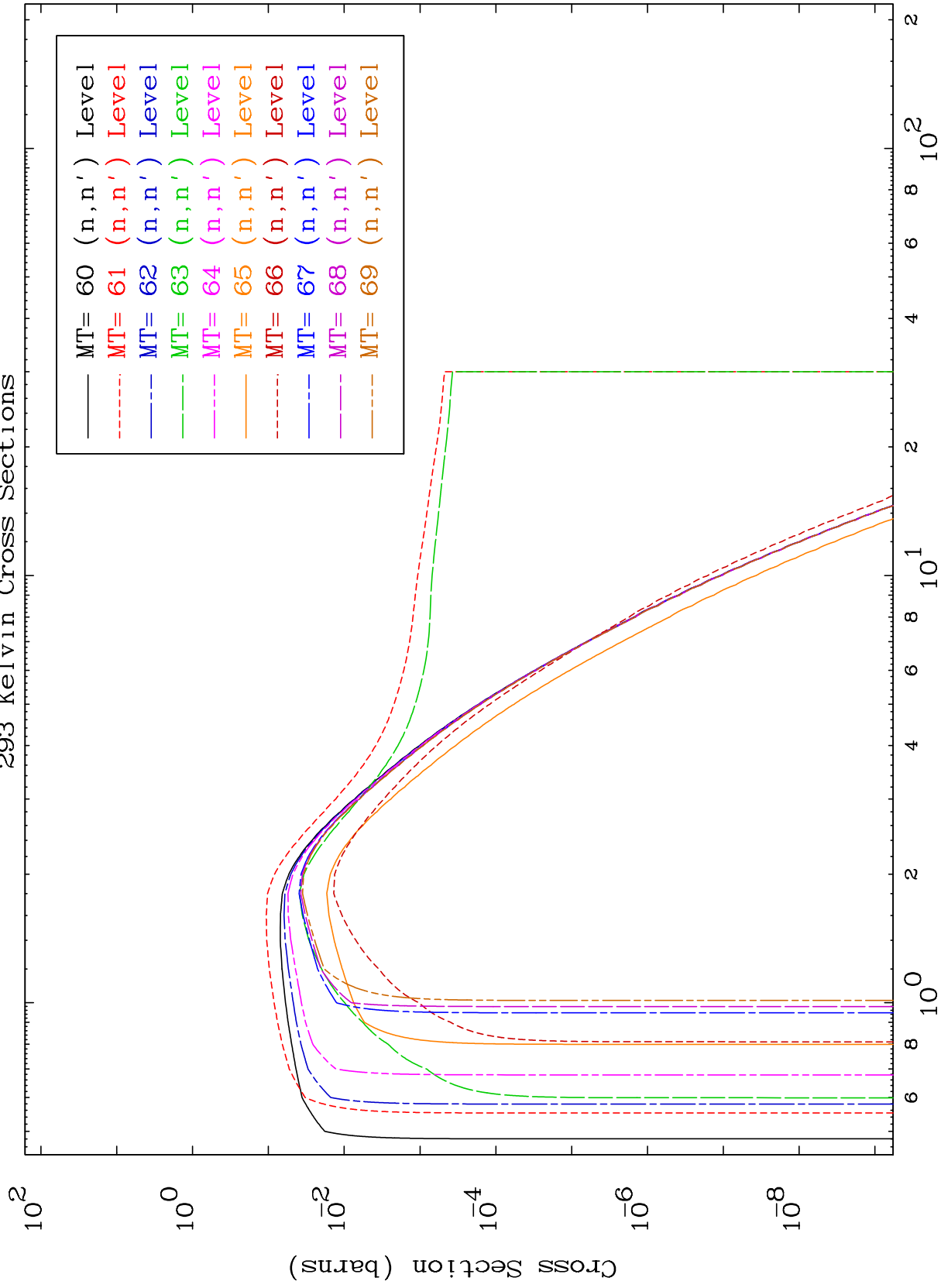


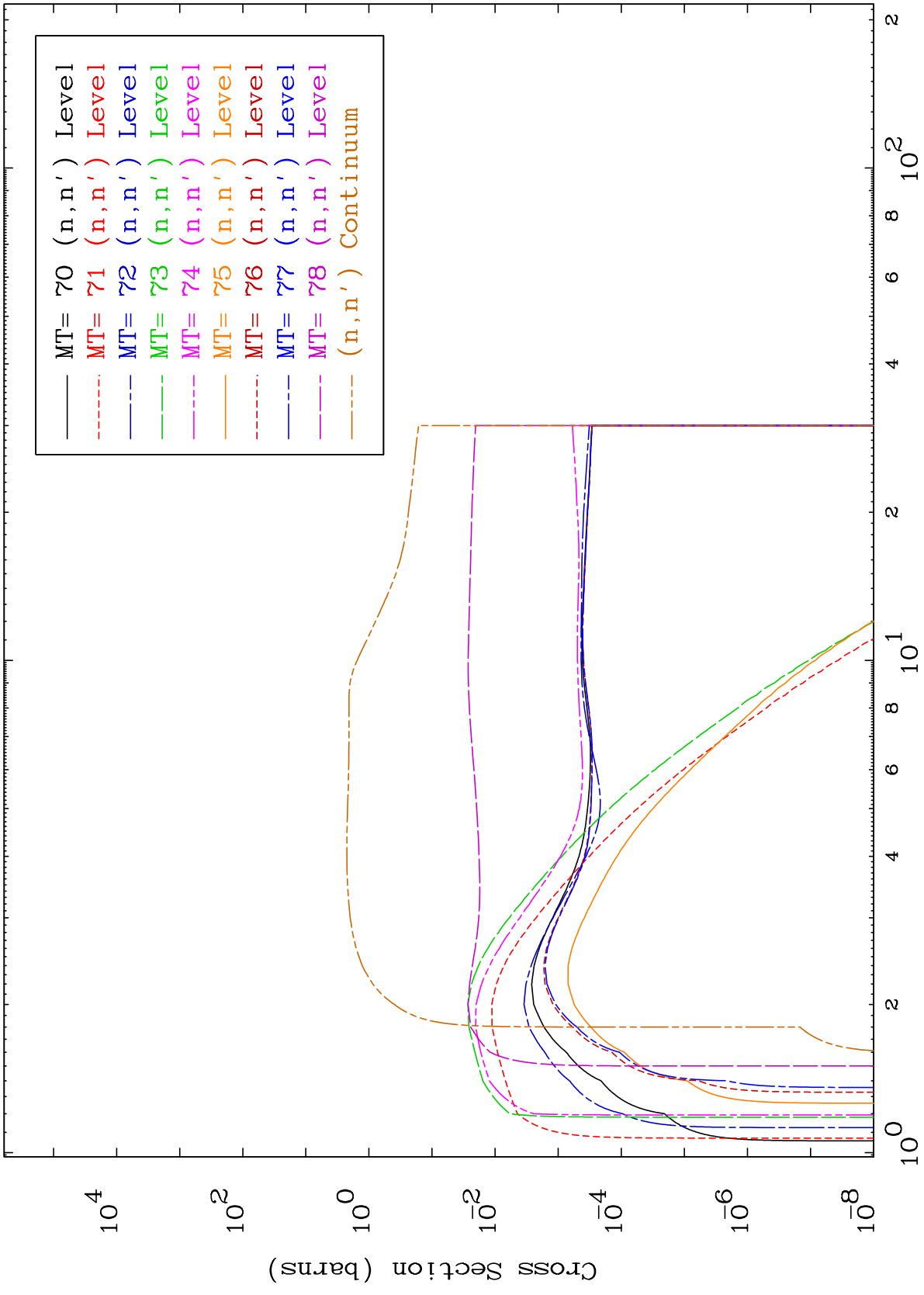








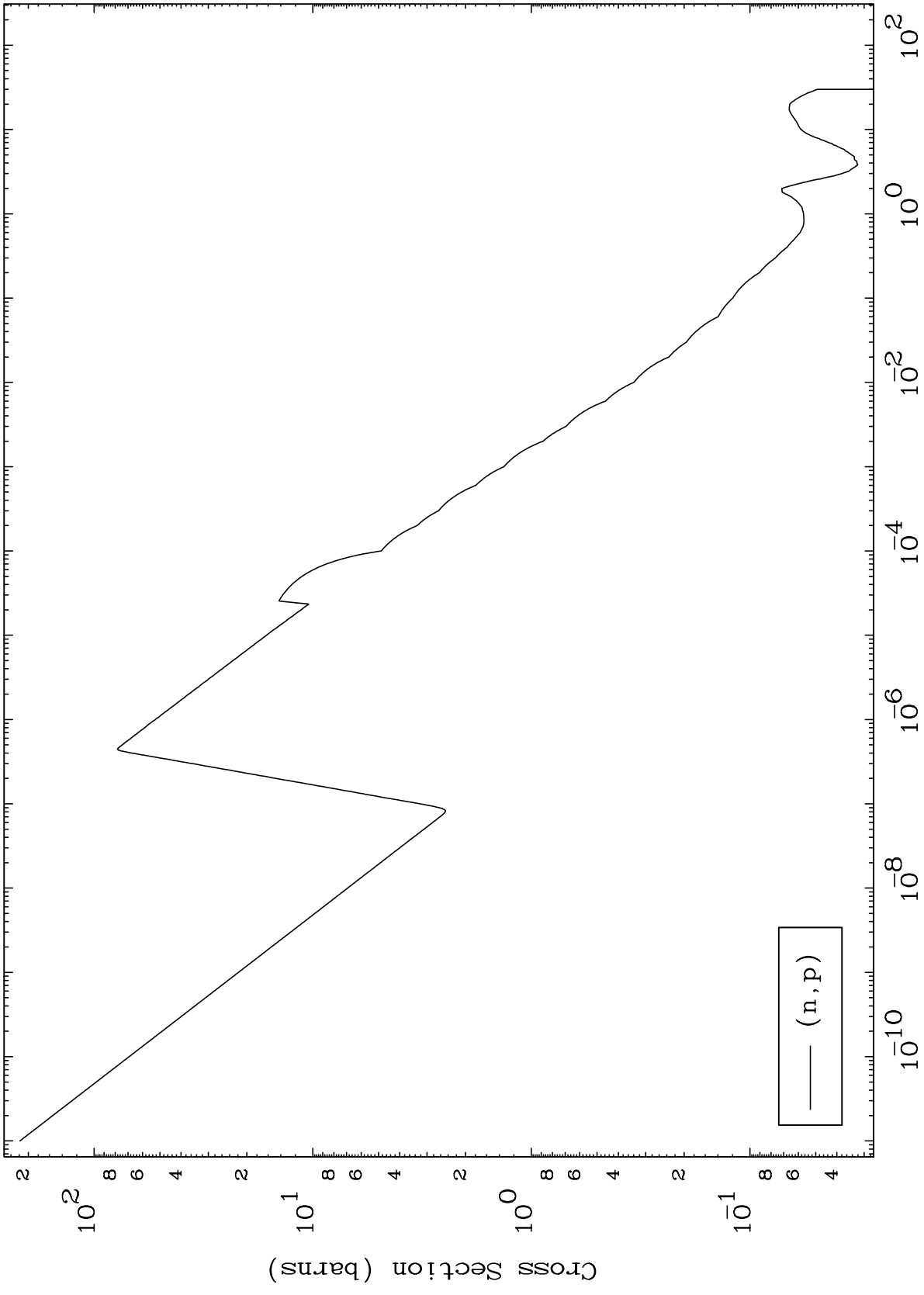




MAT 5910

(n,p) Levels  
293 Kelvin Cross Sections

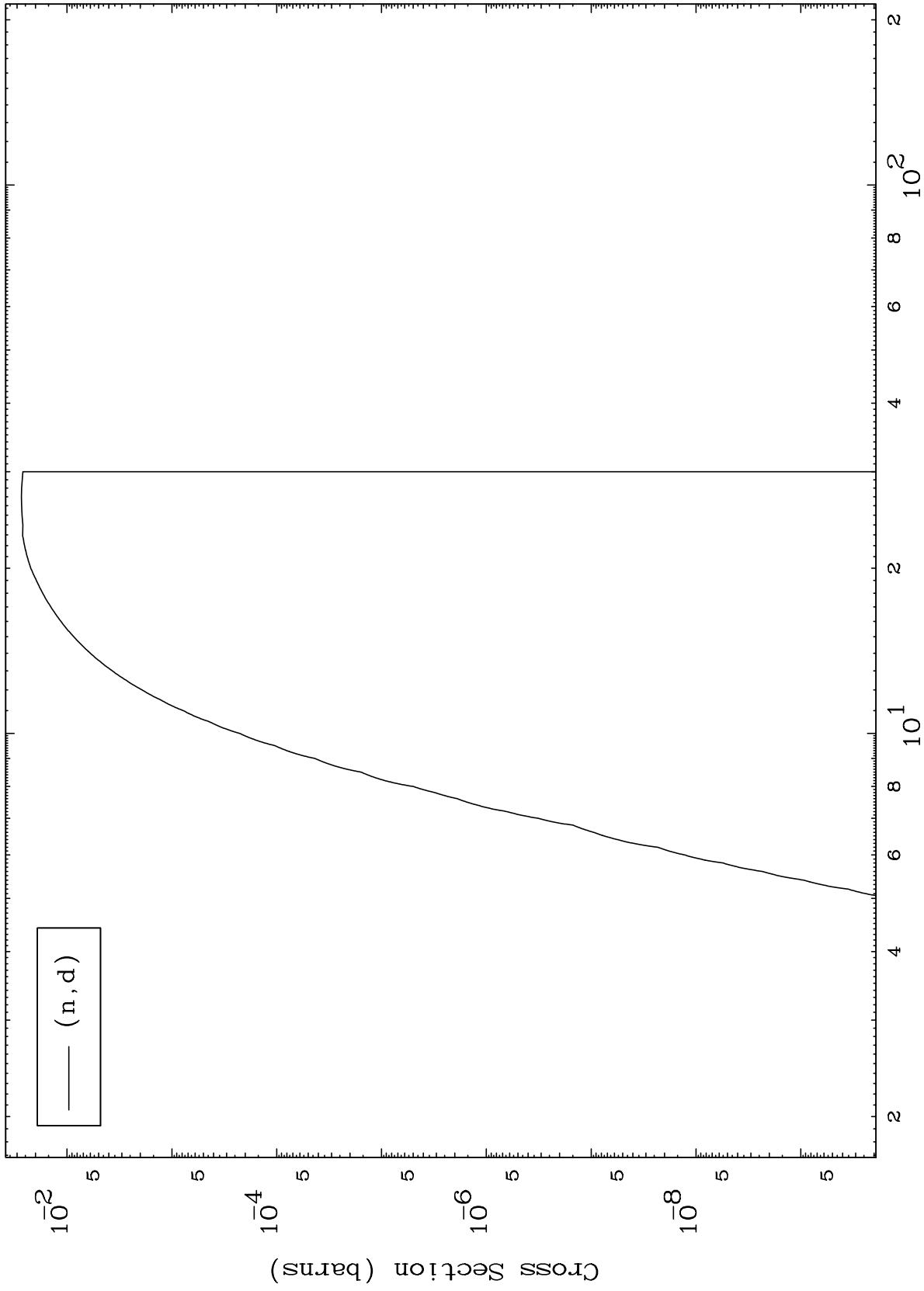
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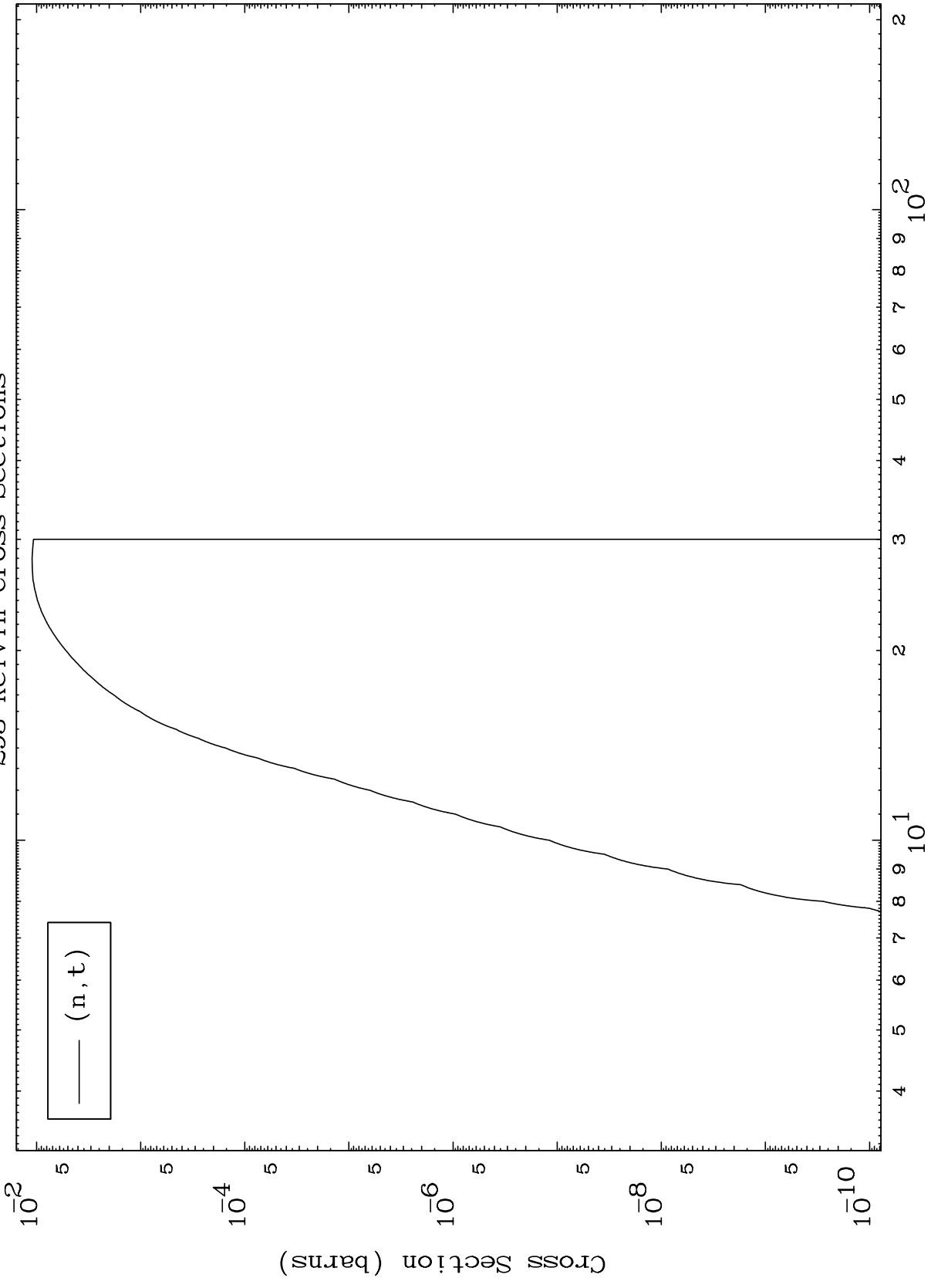


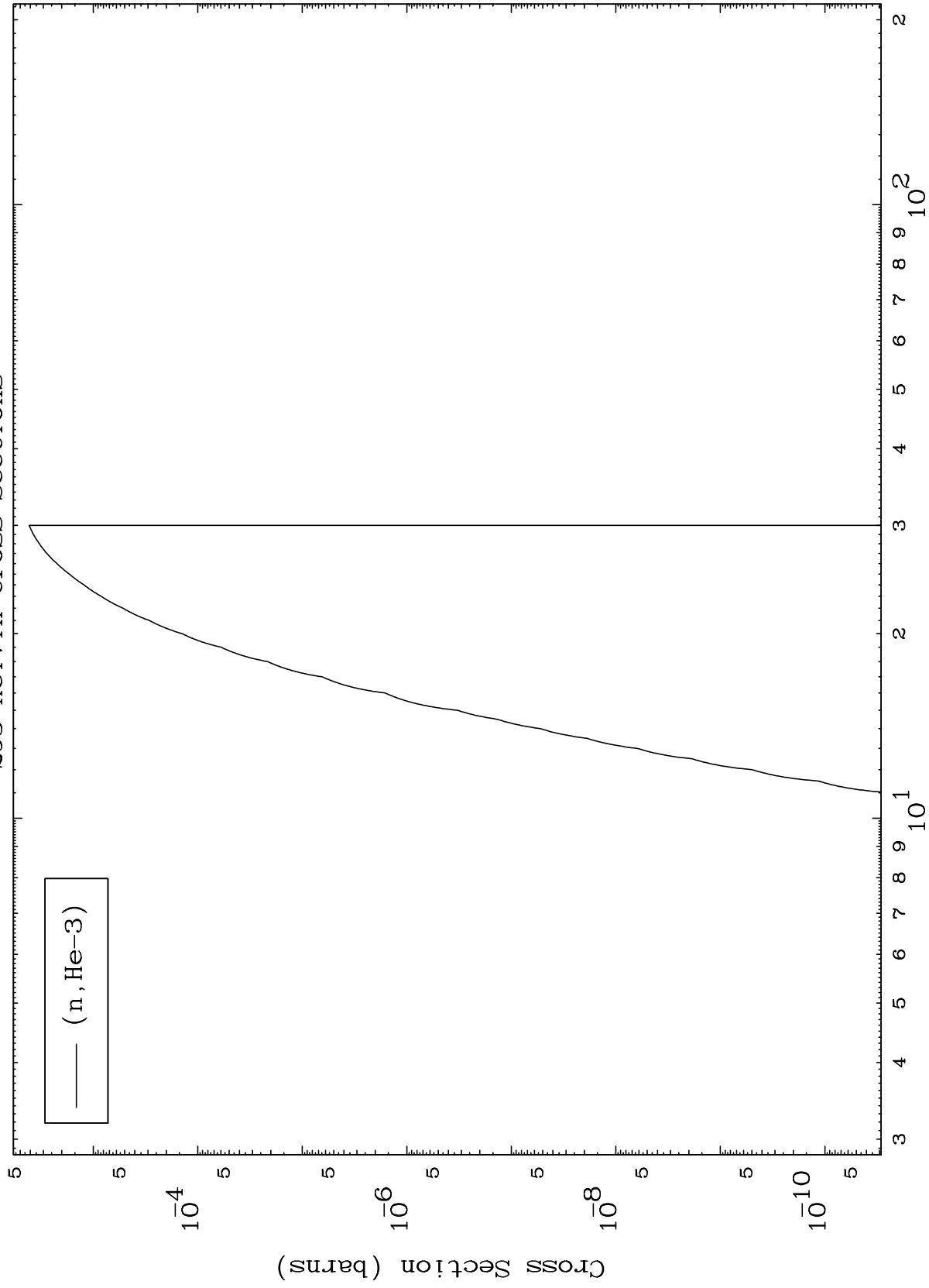
10

Incident Energy (MeV)

59-Pr-136



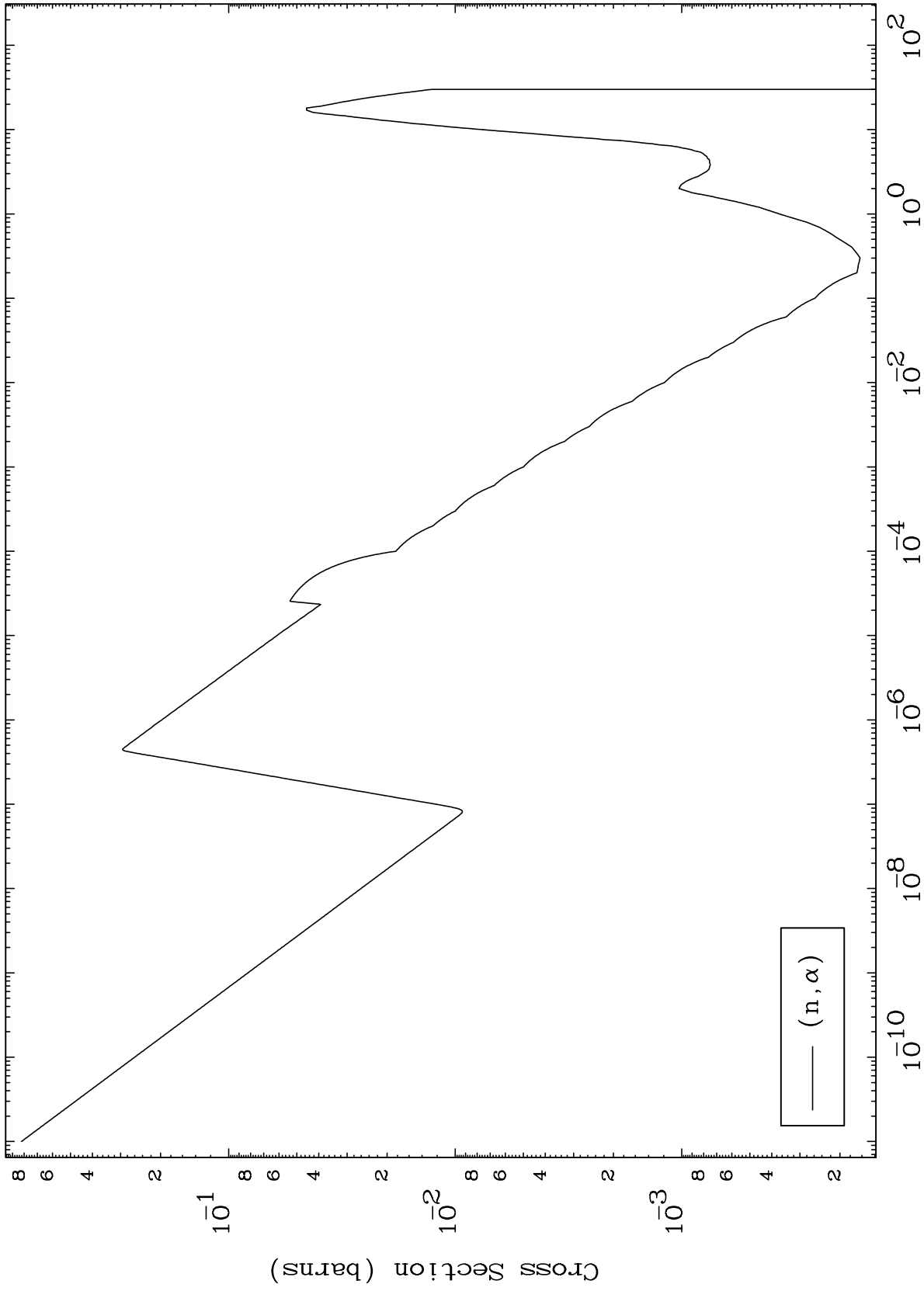




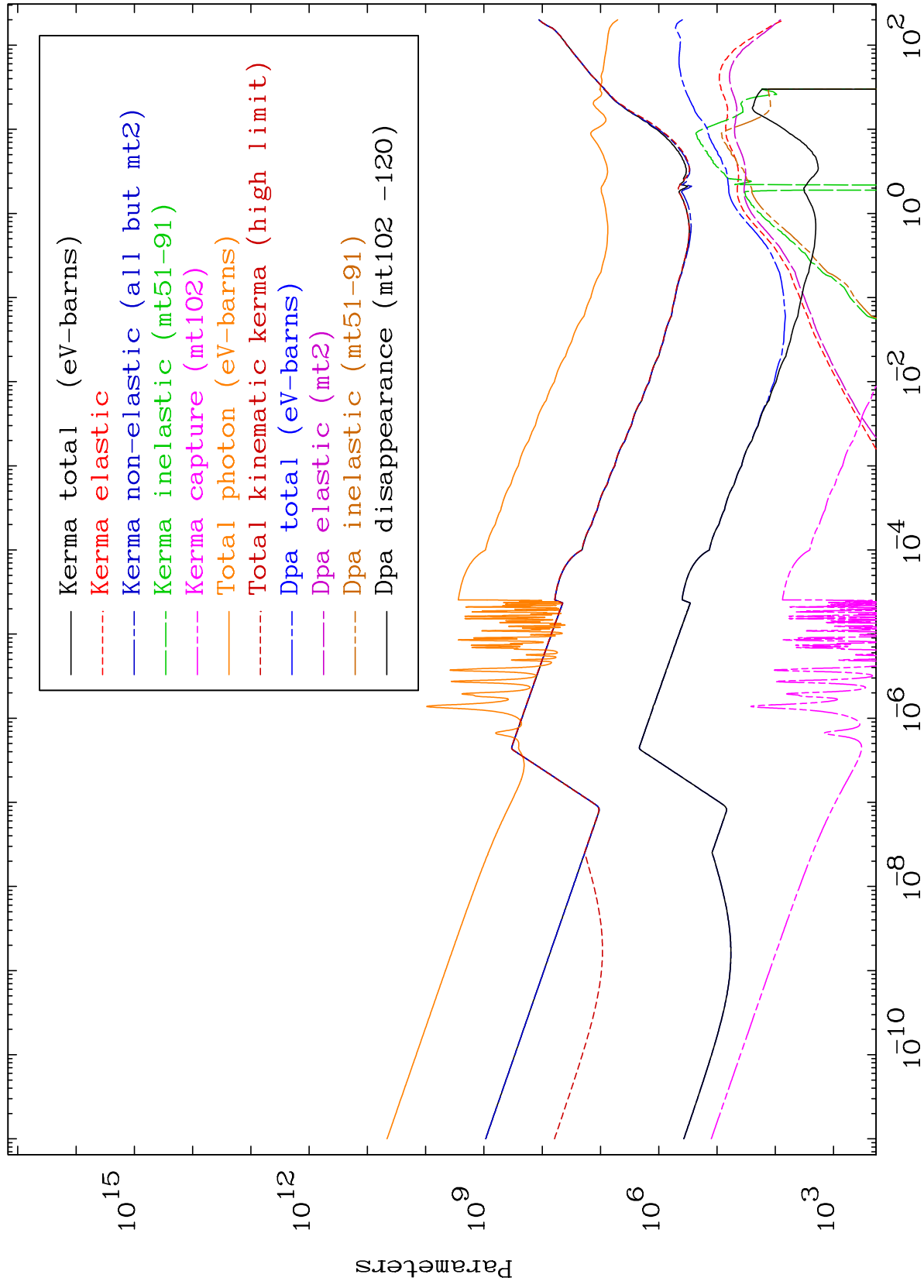
MAT 5910

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

59-Pr-136



59-Pr-136

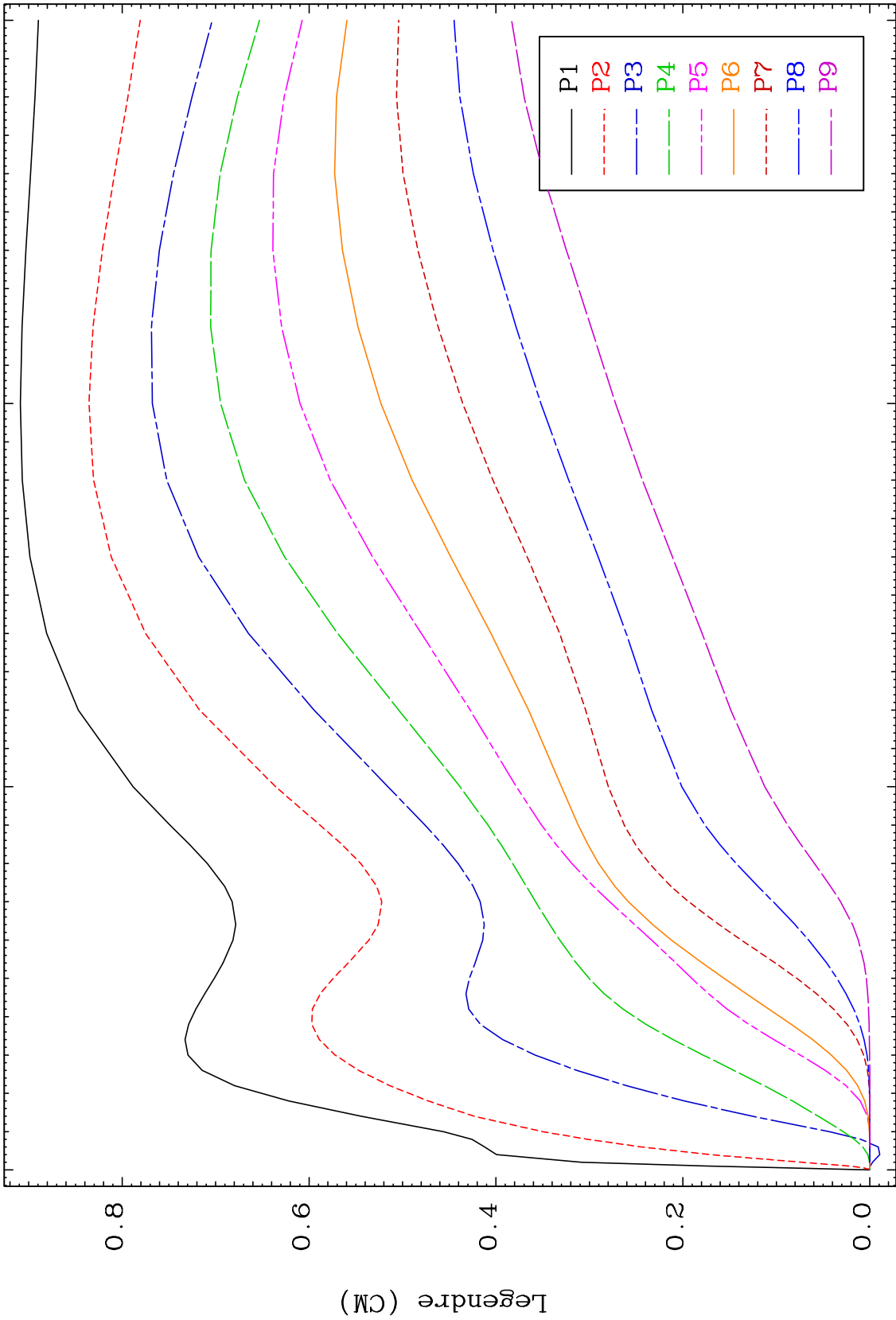




MAT 5910

Elastic Legendre Coefficients

59-Pr-136



16

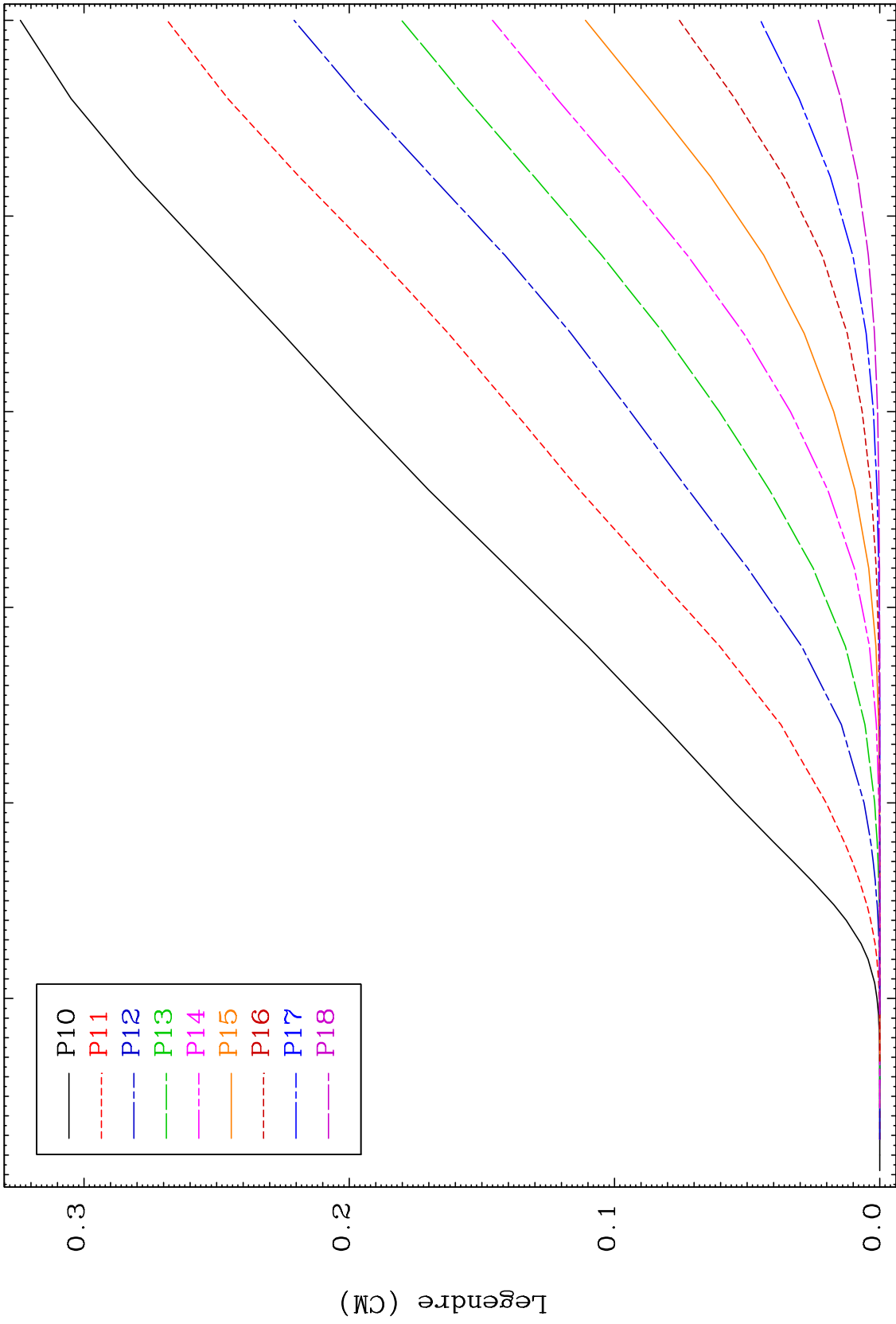
Incident Energy (MeV)

59-Pr-136

MAT 5910

Elastic Legendre Coefficients

59-Pr-136



17

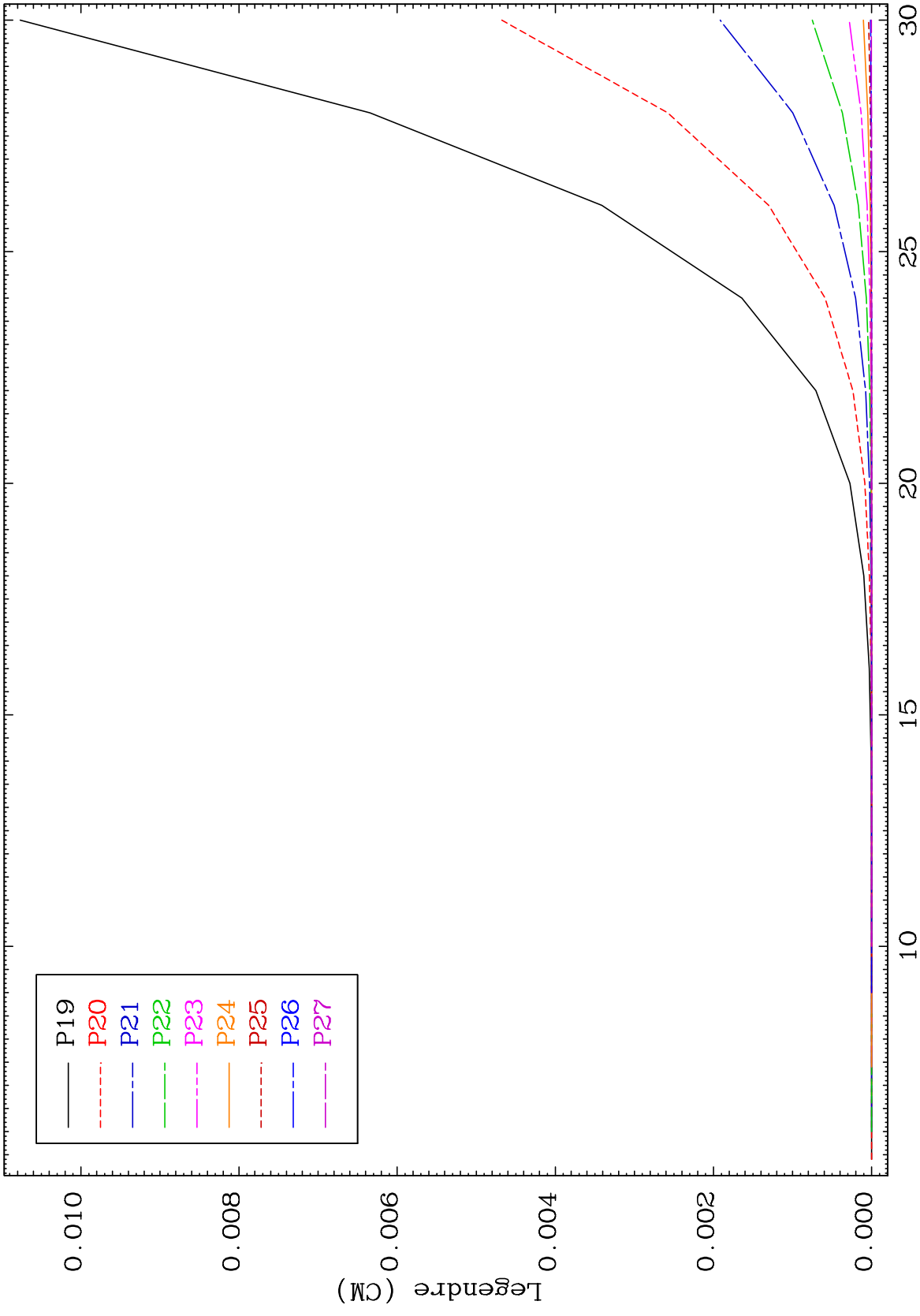
Incident Energy (MeV)

59-Pr-136

MAT 5910

### Elastic Legendre Coefficients

59-Pr-136



18

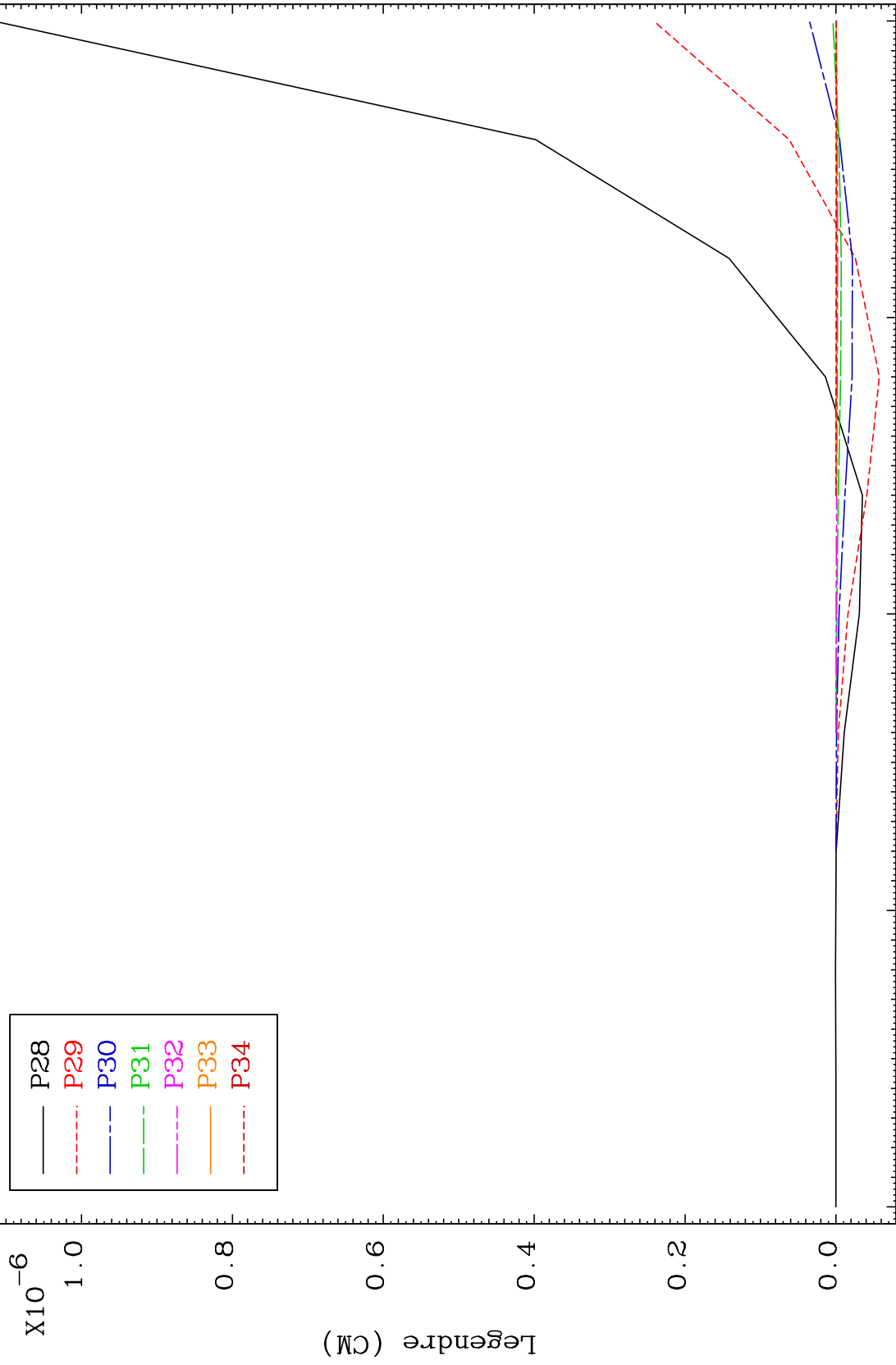
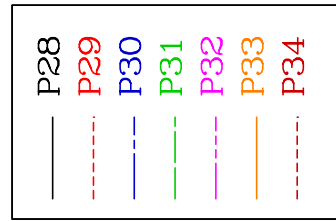
Incident Energy (MeV)

59-Pr-136

MAT 5910

Elastic Legendre Coefficients

59-Pr-136



19

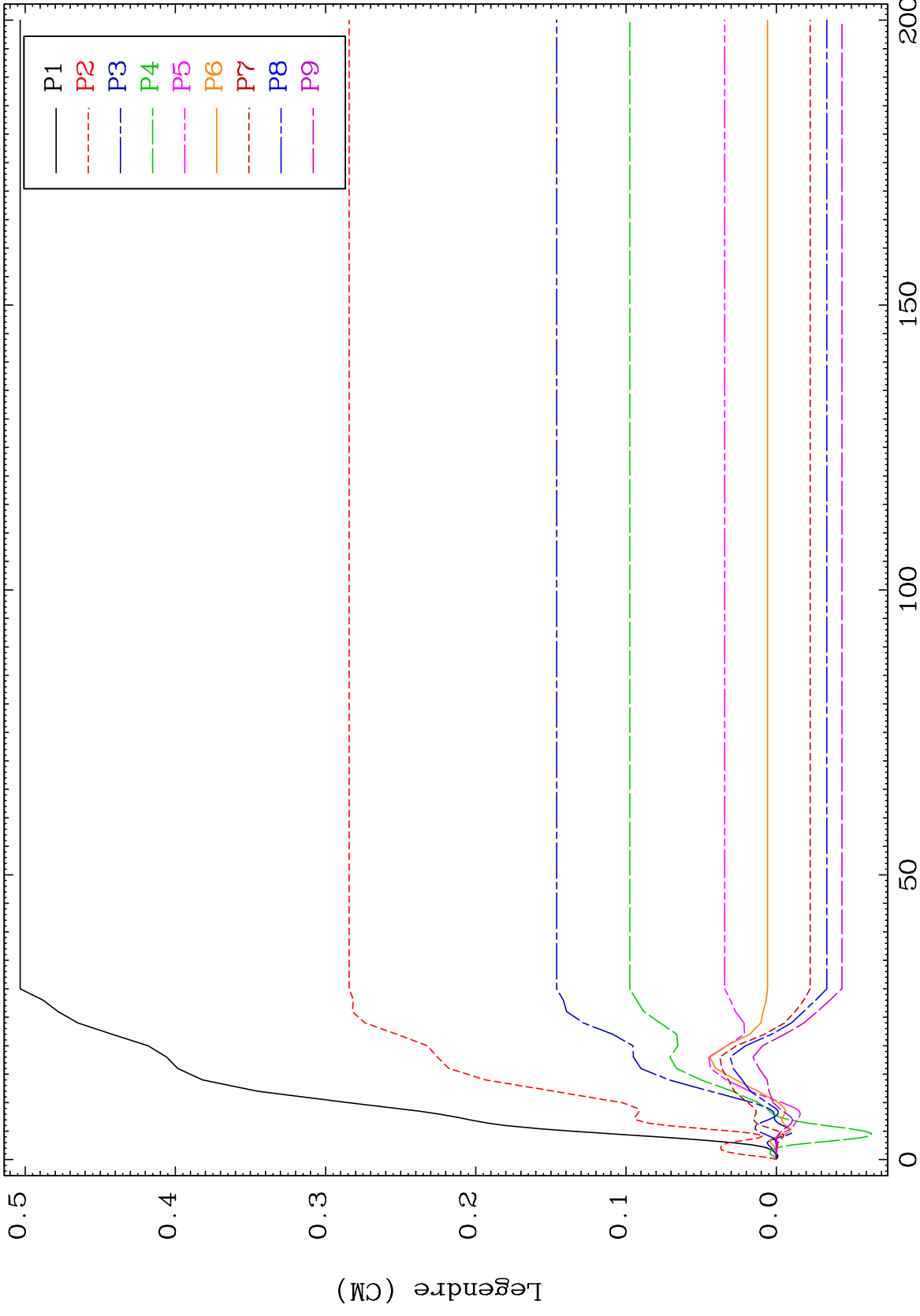
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

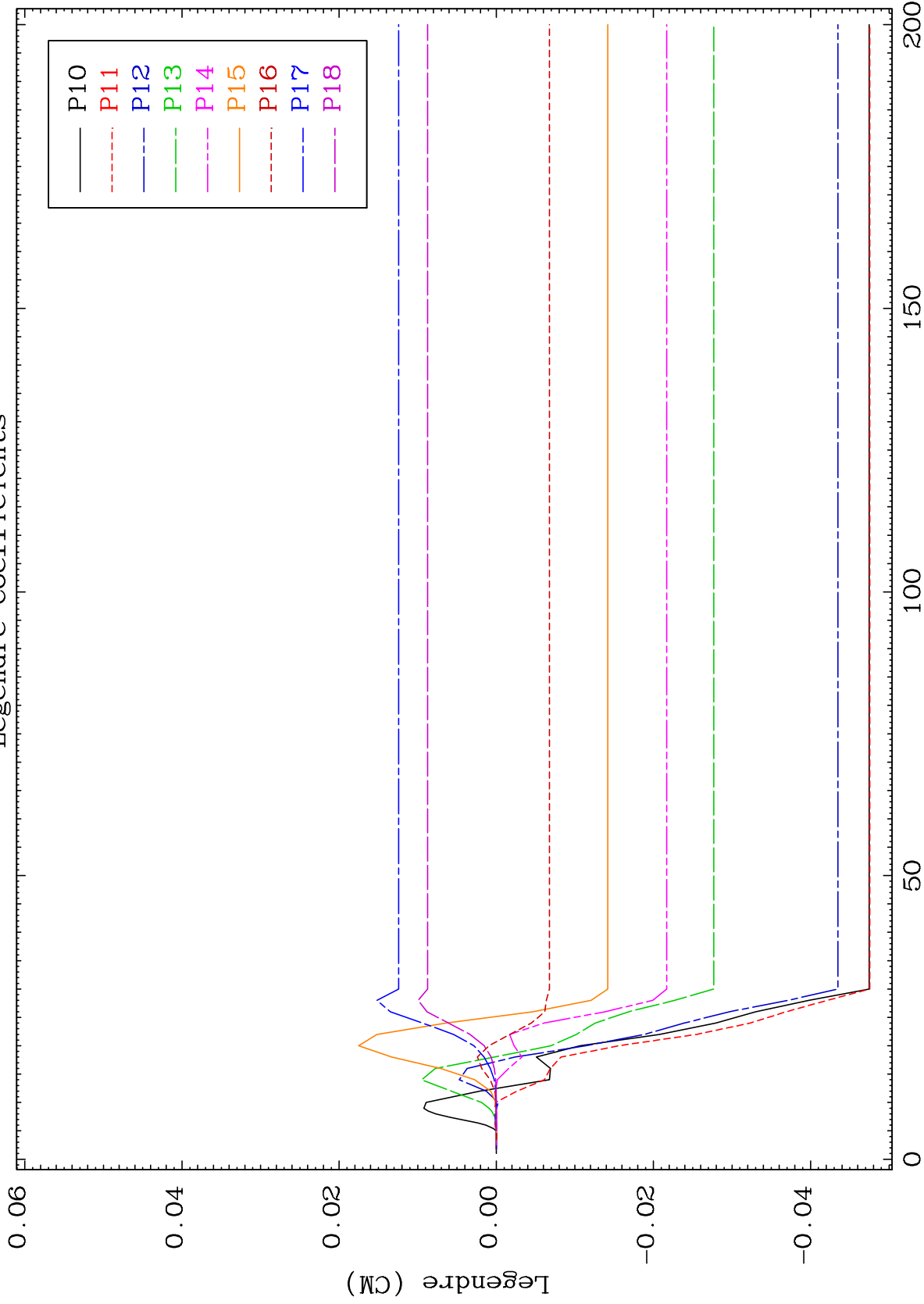
Incident Energy (MeV)

20

MAT 5910

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

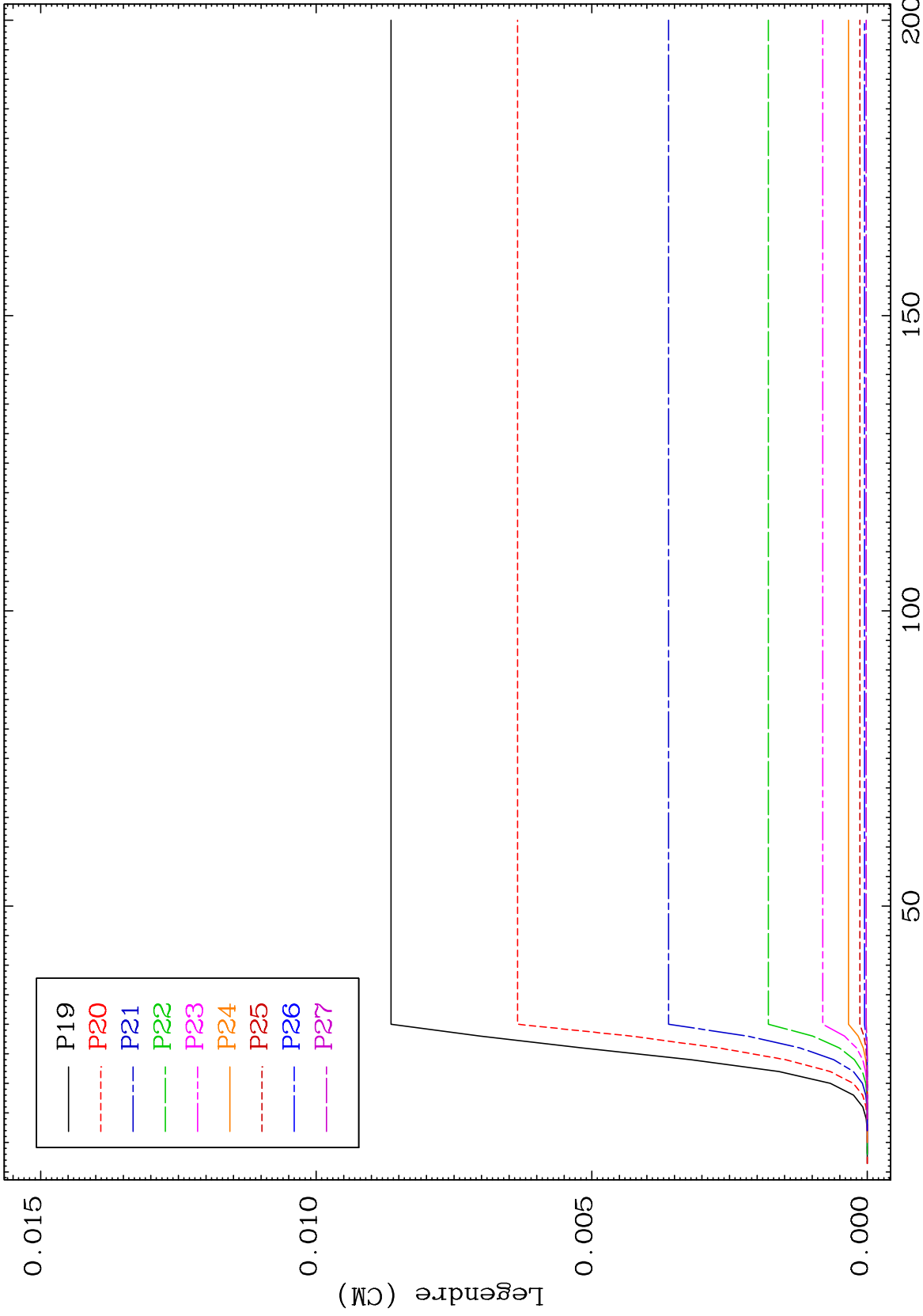
59-Pr-136

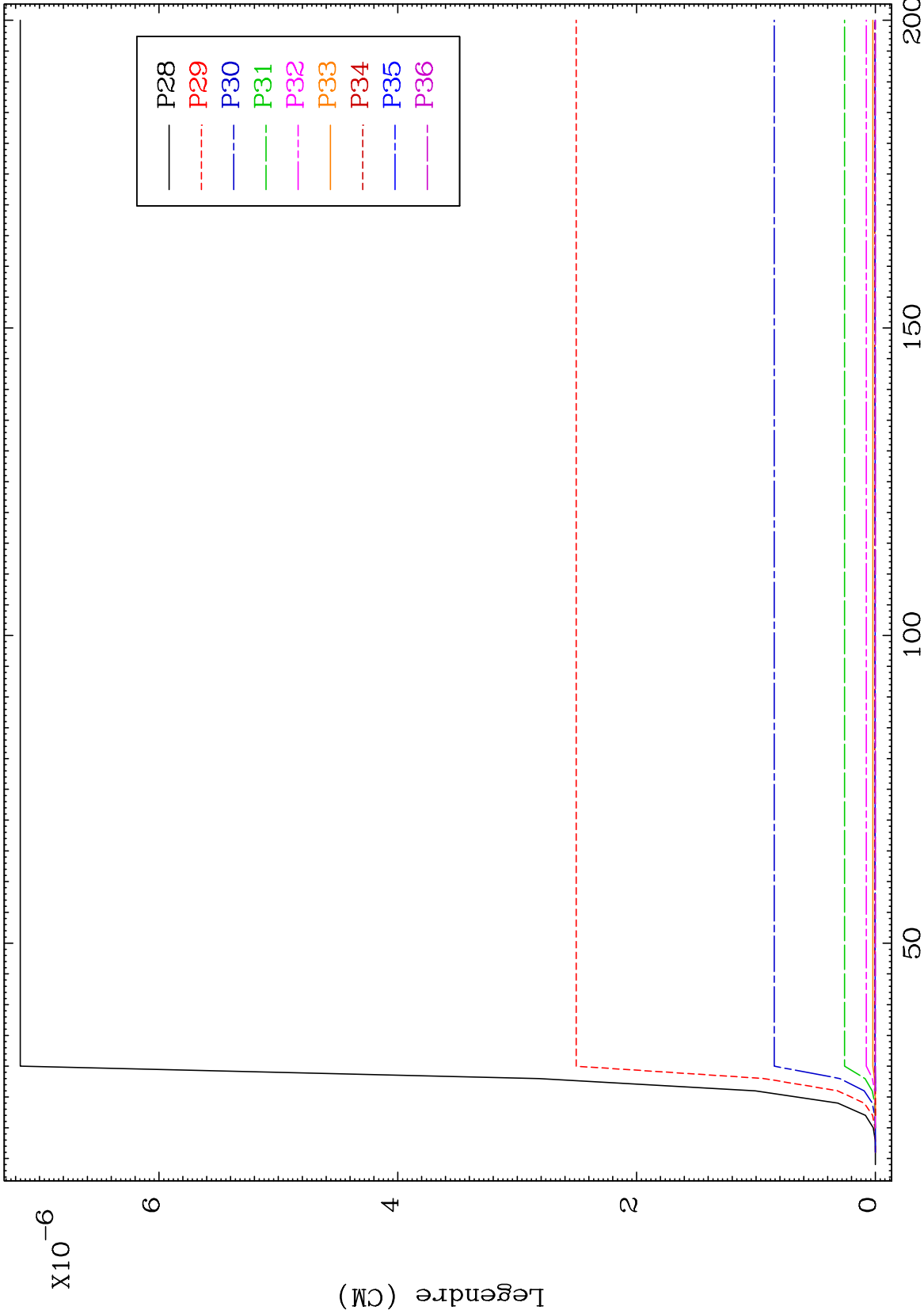


21

Incident Energy (MeV)

59-Pr-136



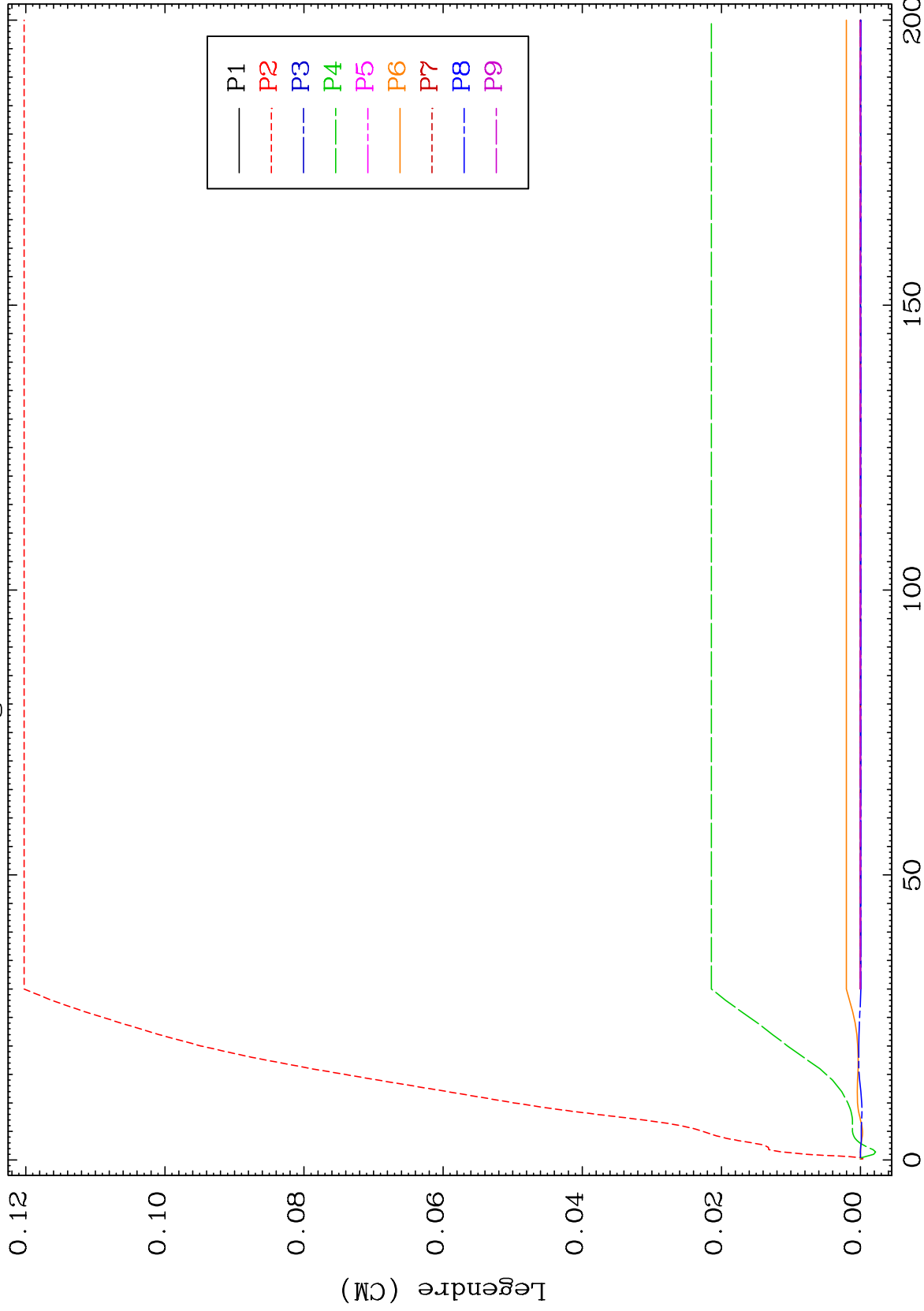




MAT 5910

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

59-Pr-136



24

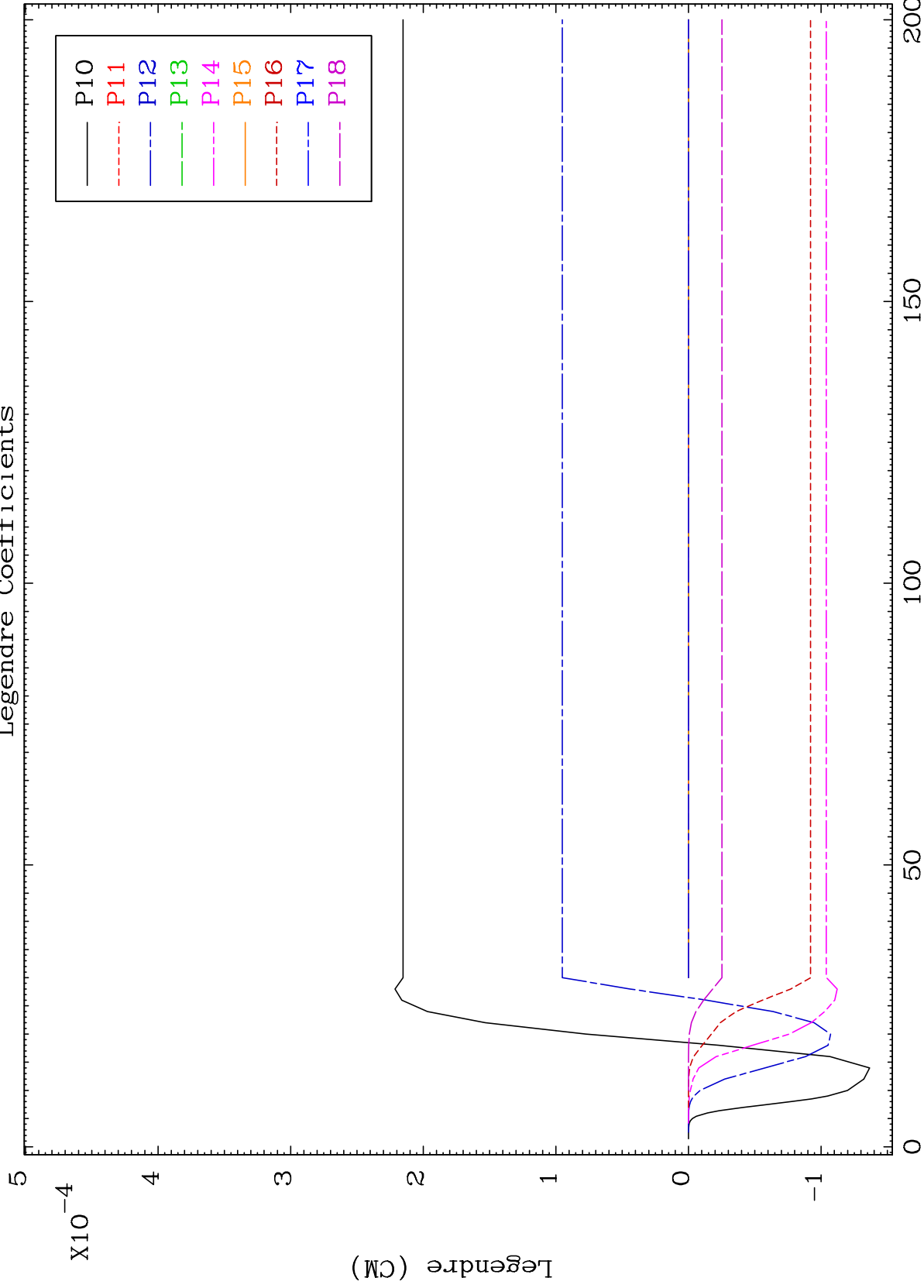
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



25

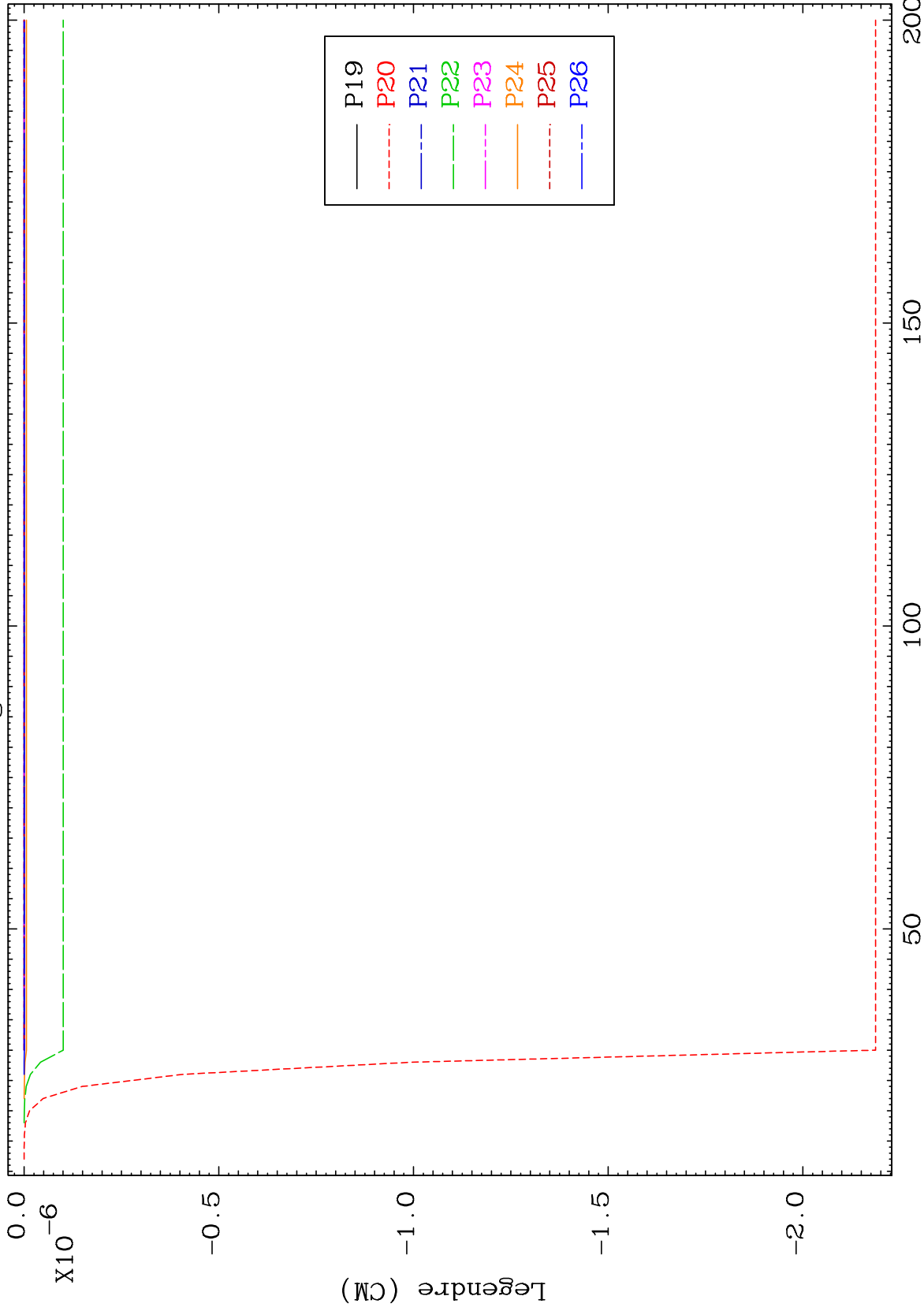
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



26

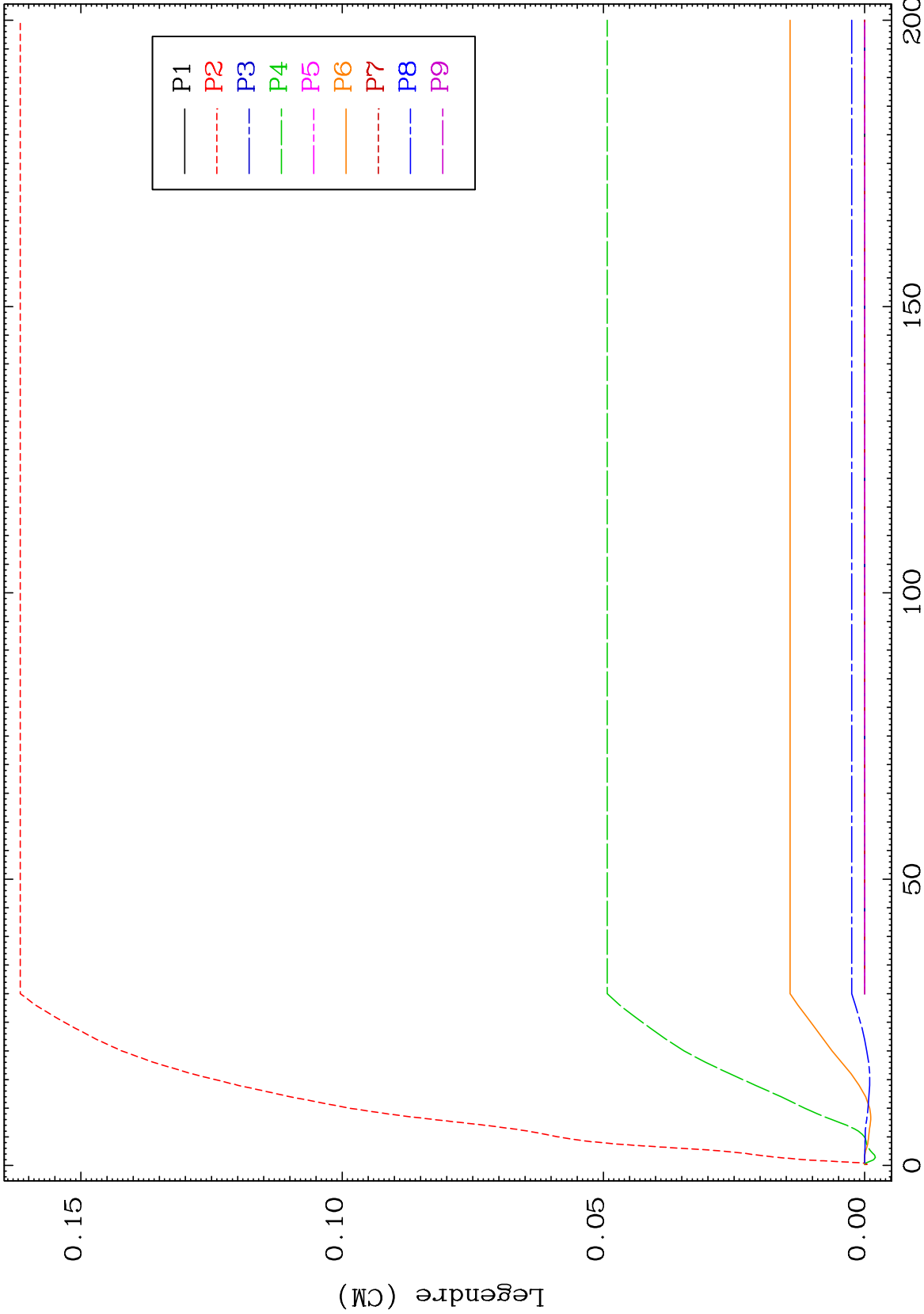
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



27

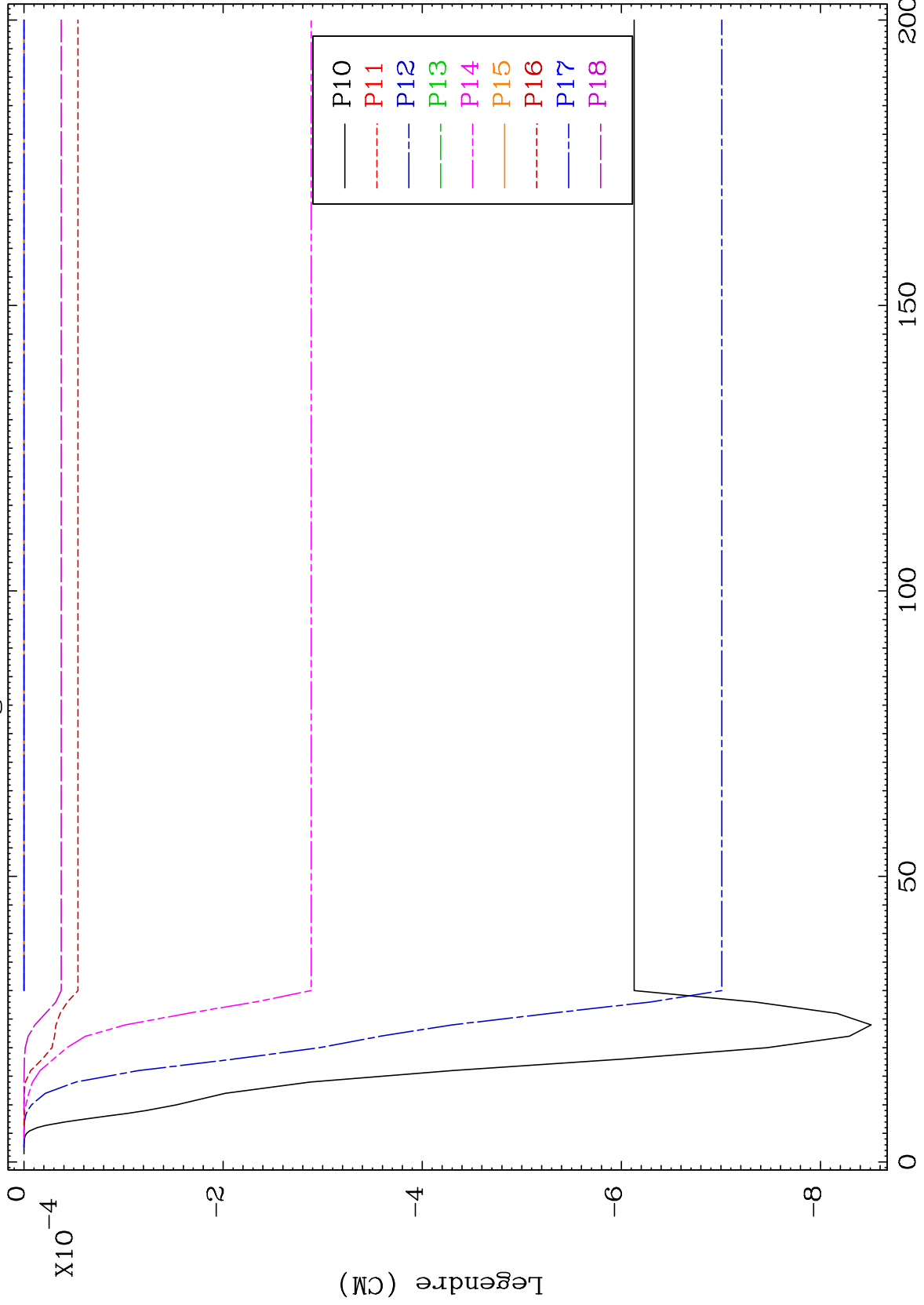
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136

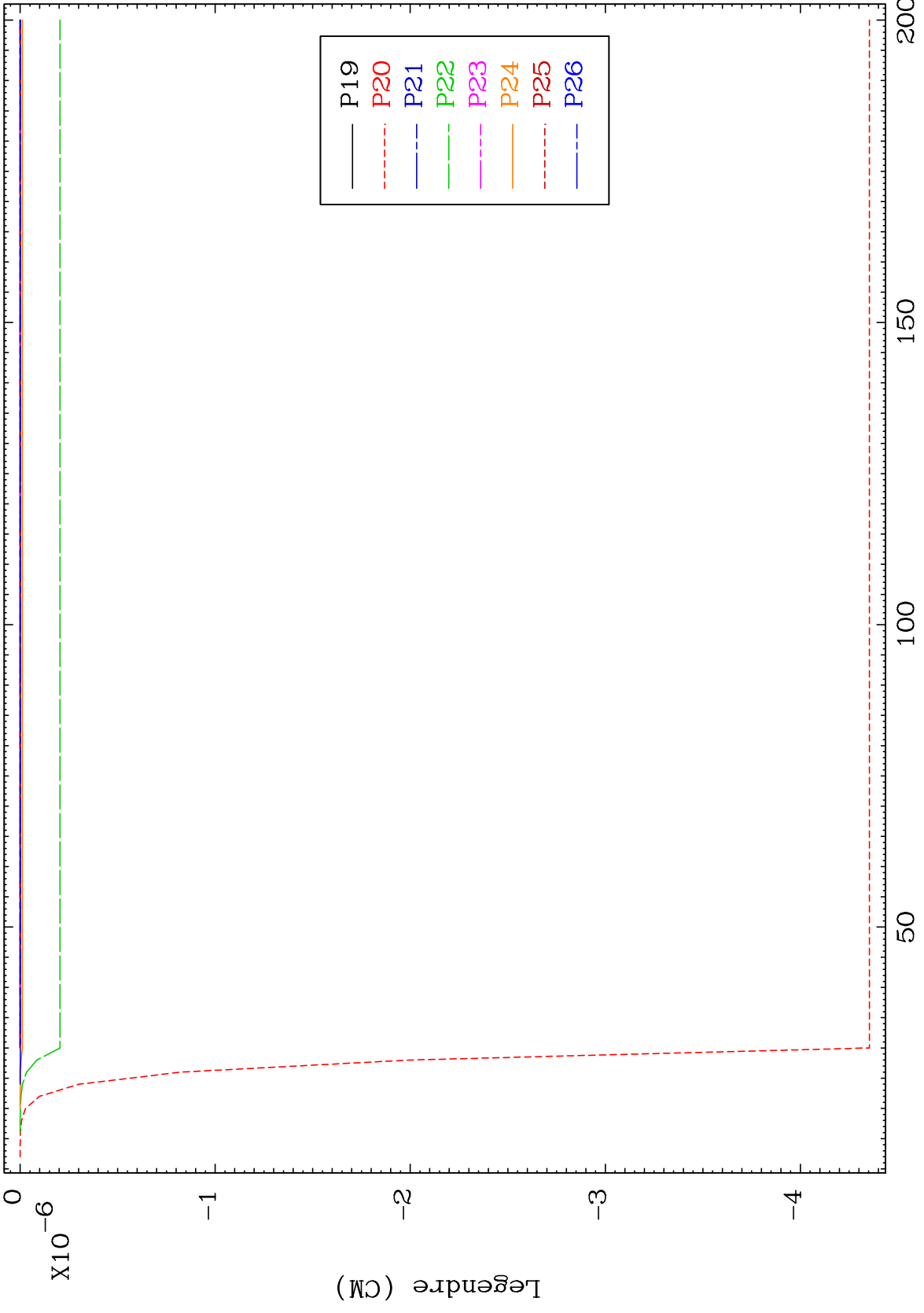


59-Pr-136

Incident Energy (MeV)

28

MAT 5910 MT= 53 (n,n') Level Legendre Coefficients 59-Pr-136

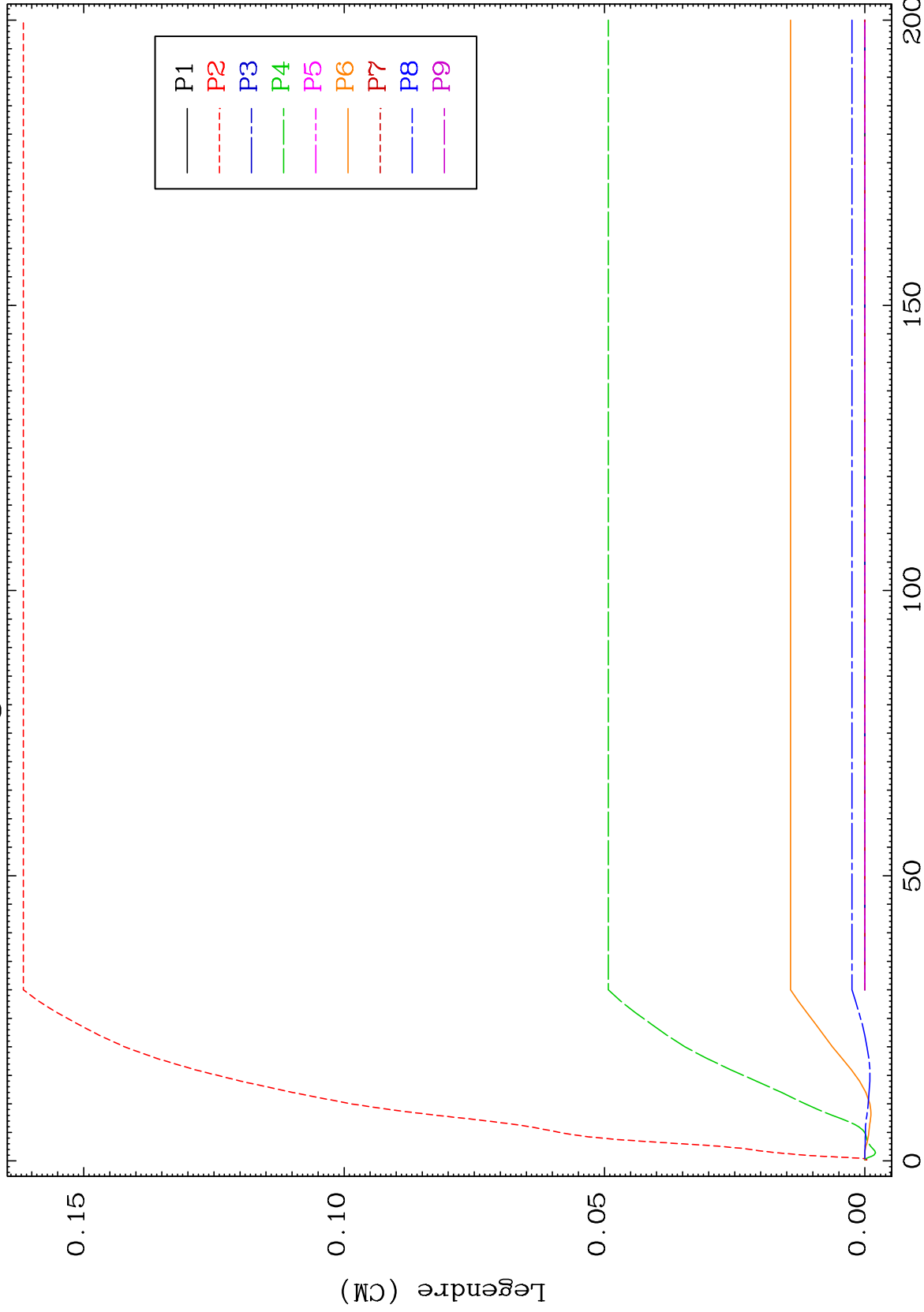


29 59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

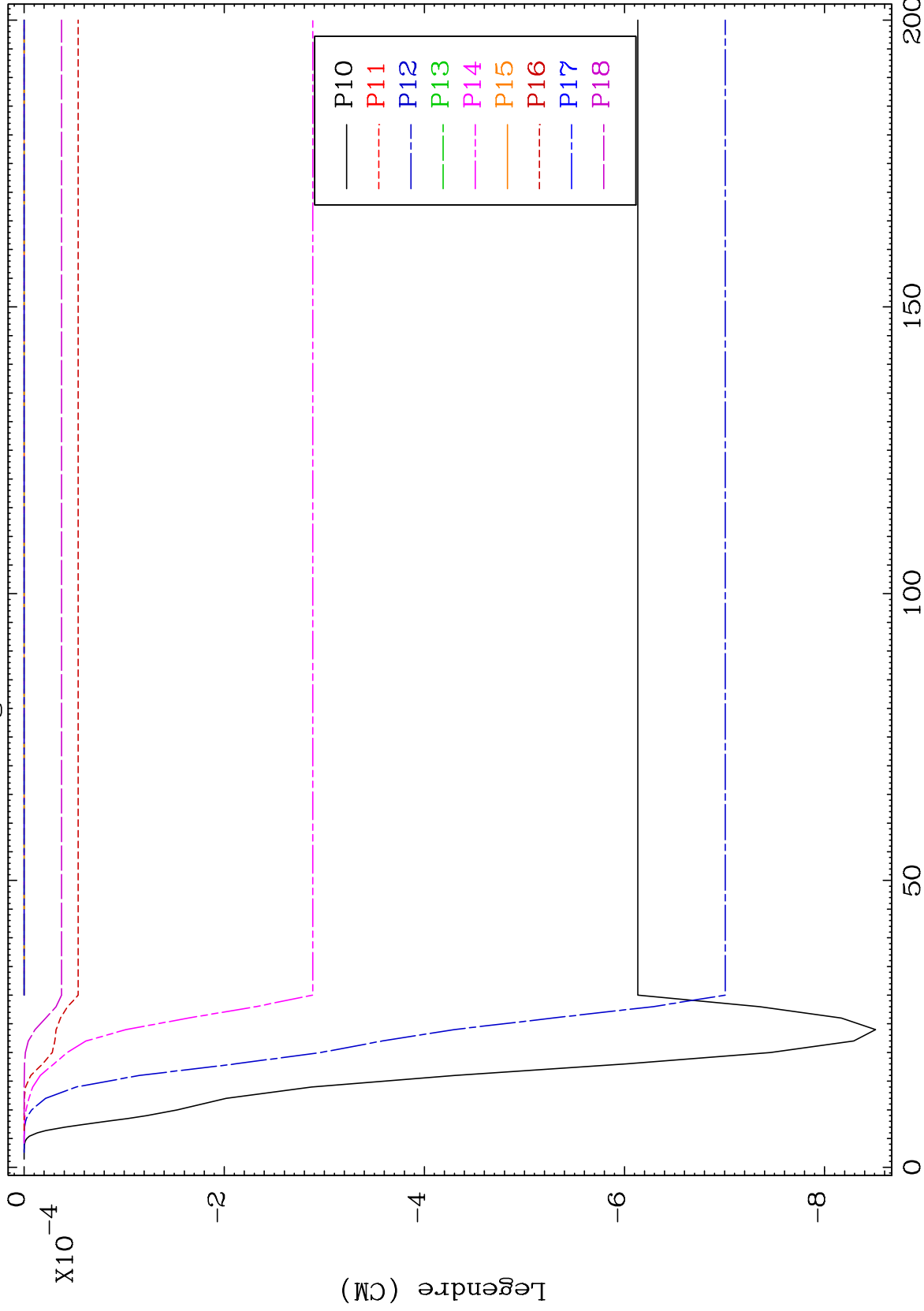
Incident Energy (MeV)

Legendre (CM)

MAT 5910

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

59-Pr-136



31

Incident Energy (MeV)

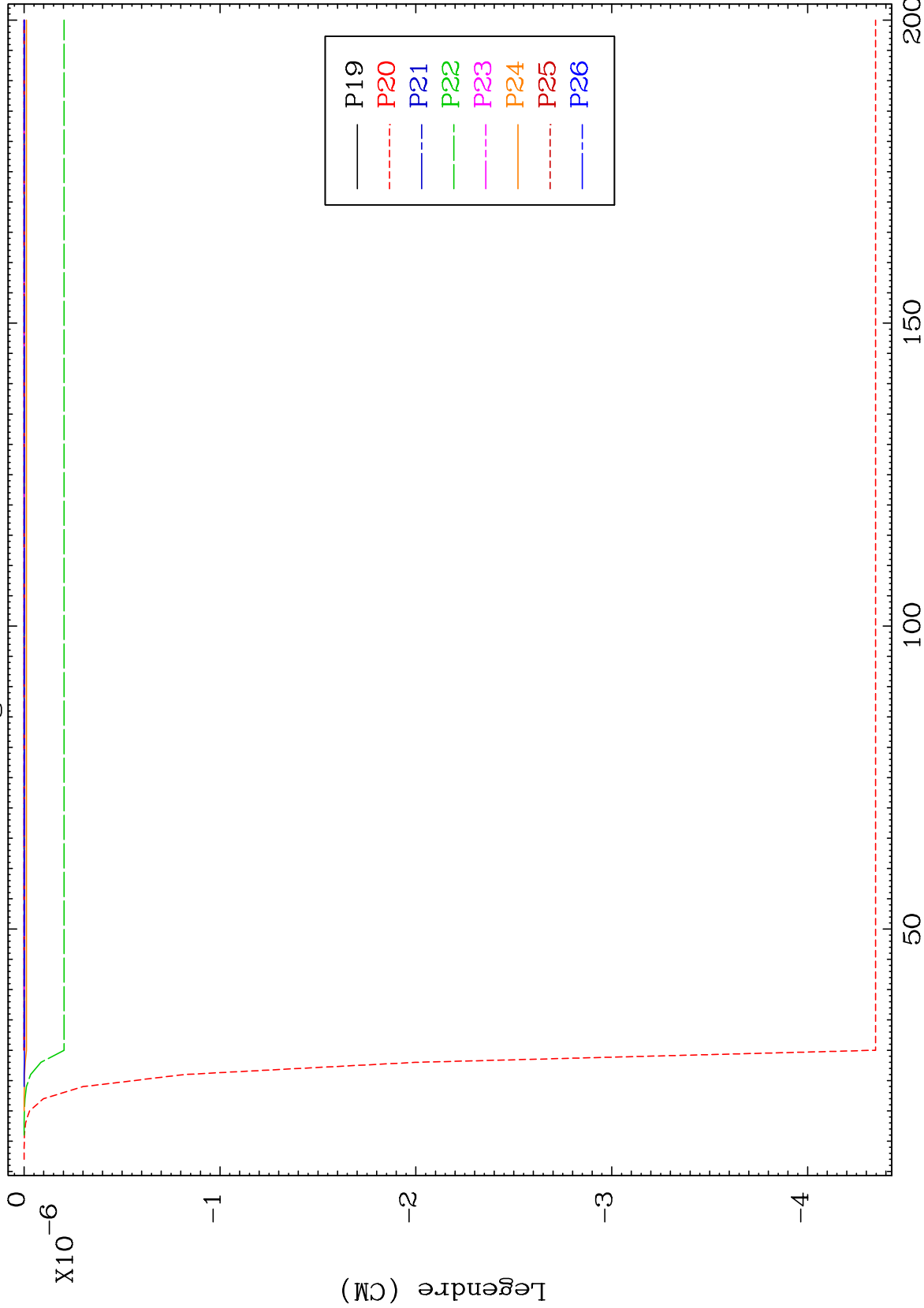
59-Pr-136



MAT 5910

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

59-Pr-136



32

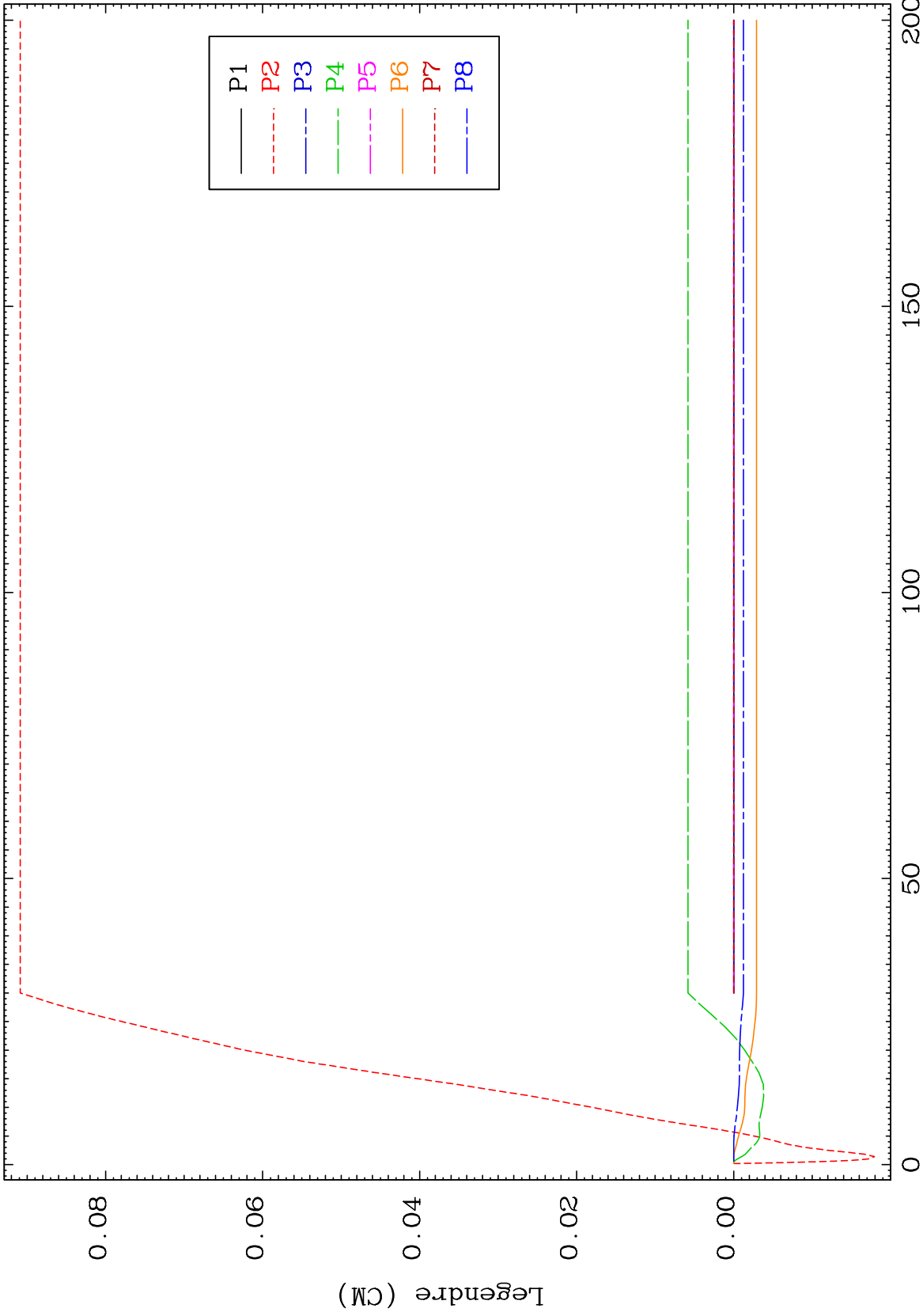
Incident Energy (MeV)

59-Pr-136

MAT 5910

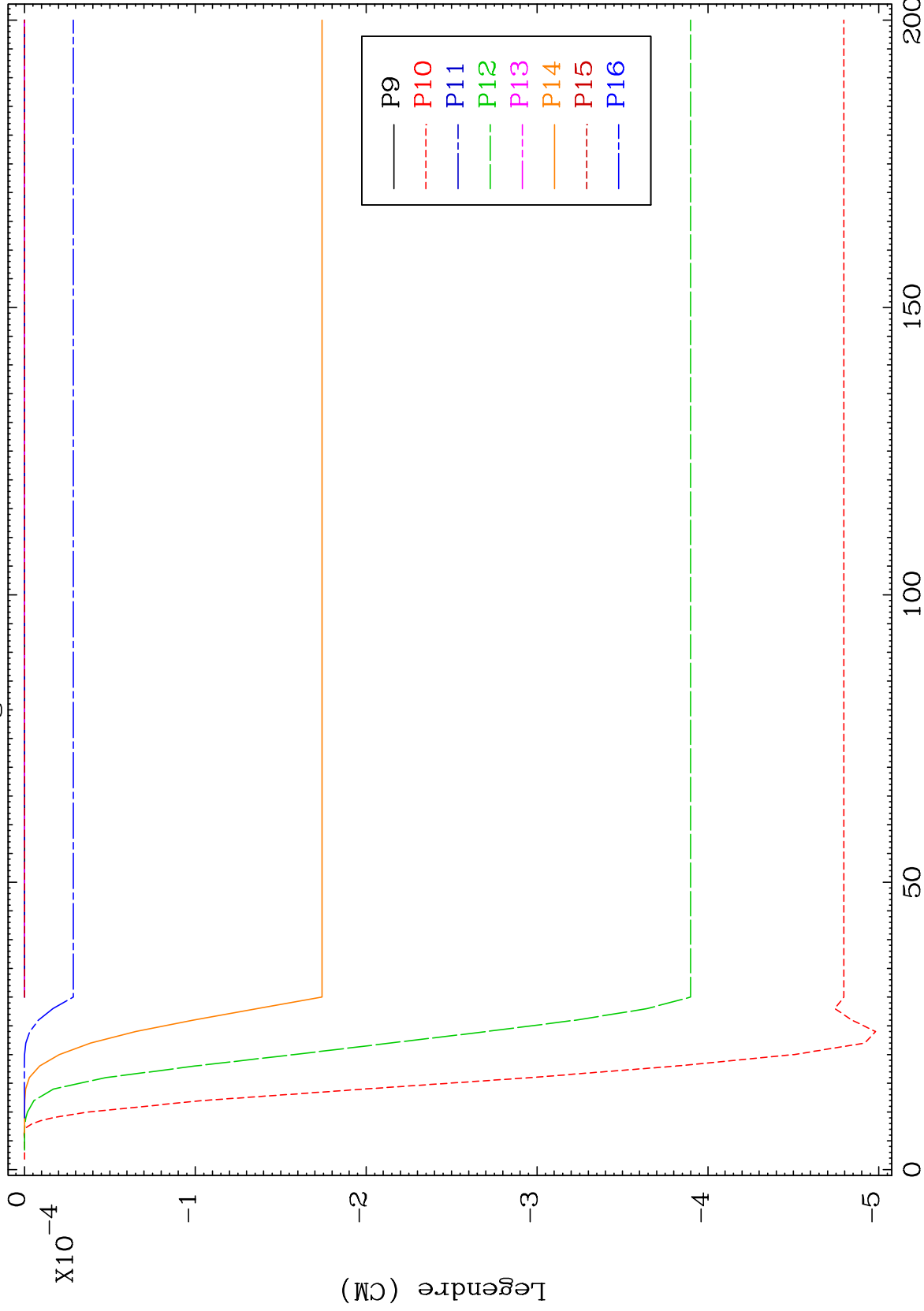
MT= 55 (n,n') Level  
Legendre Coefficients

59-Pr-136



33

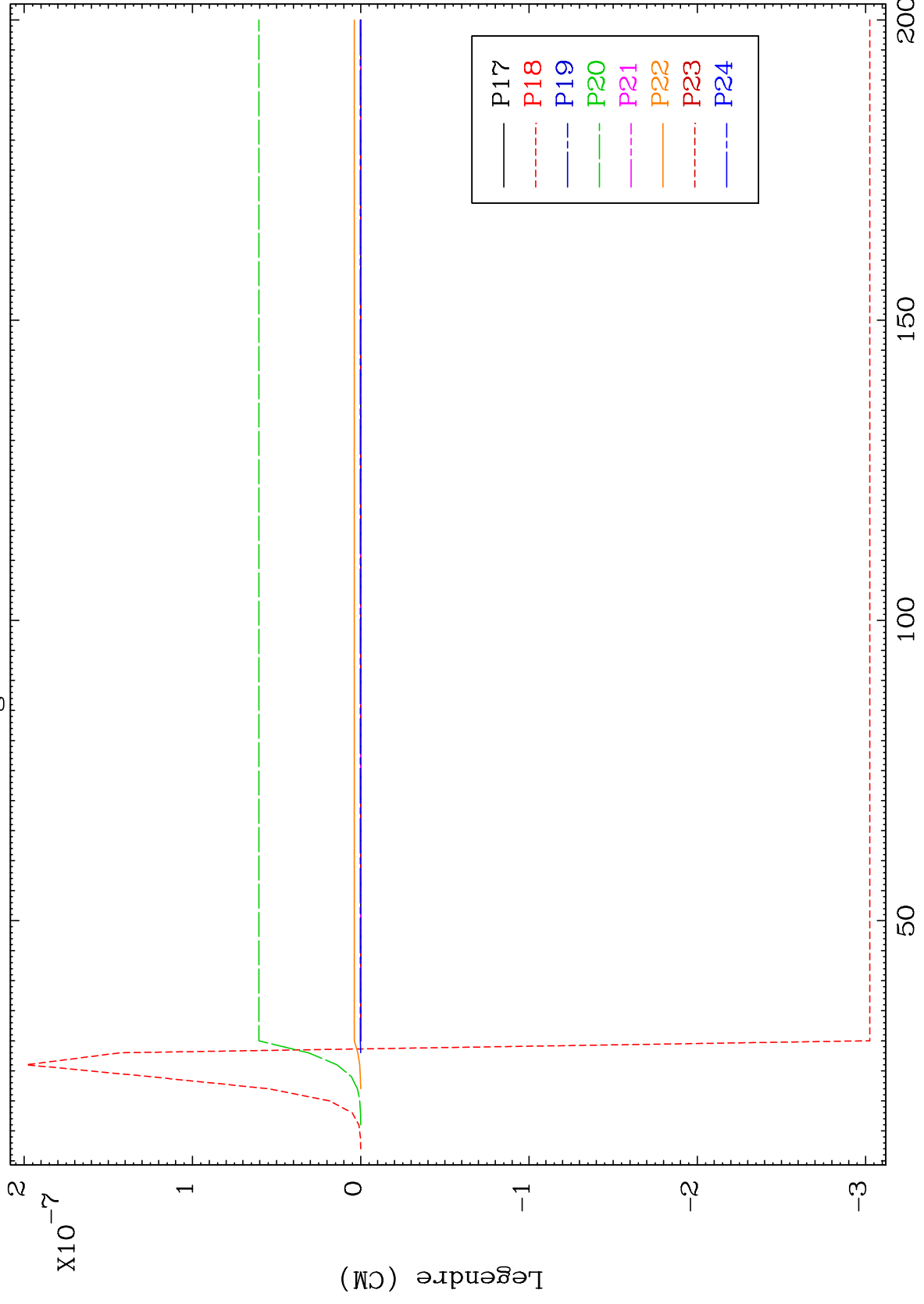
59-Pr-136



MAT 5910

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

59-Pr-136



35

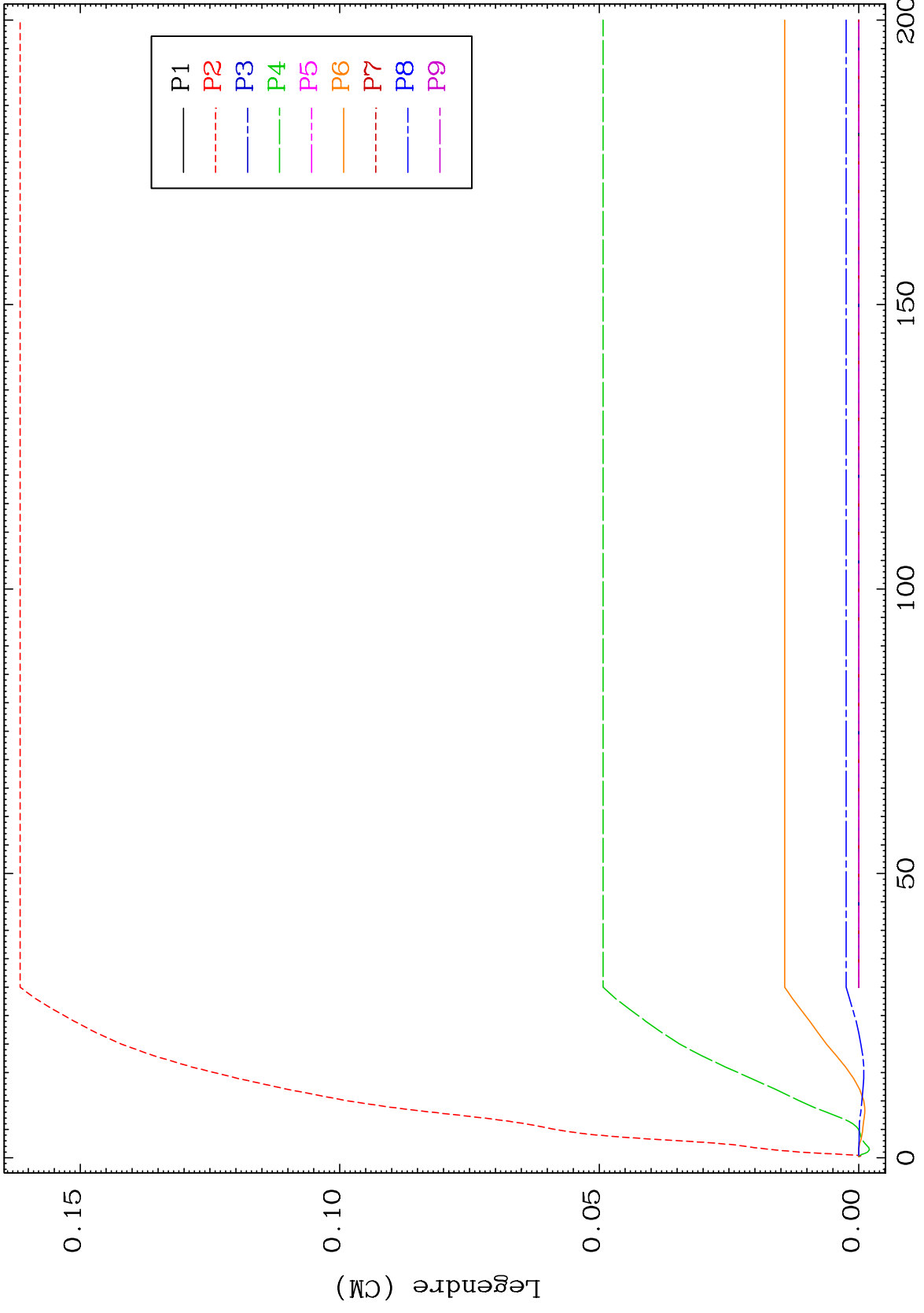
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



36

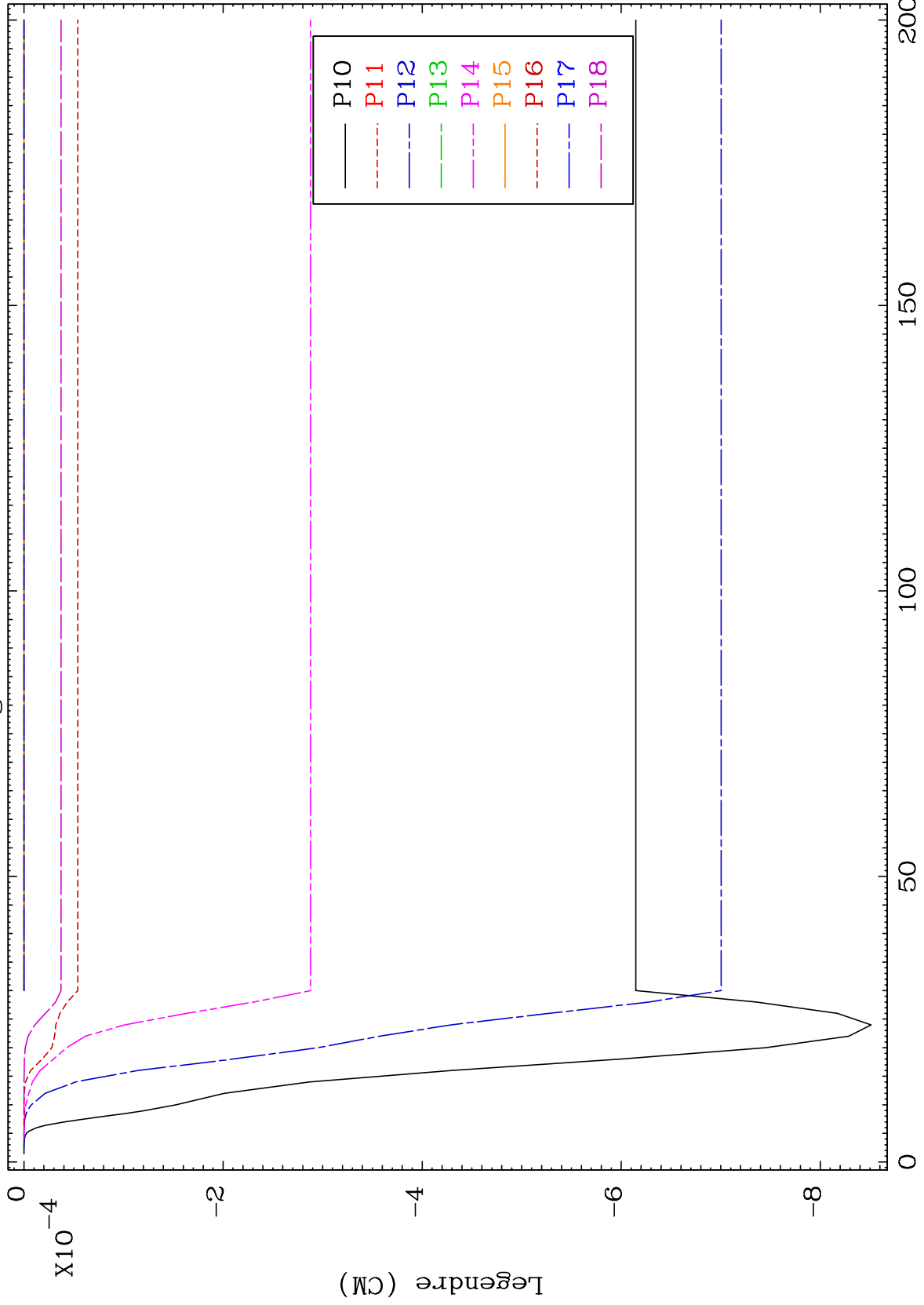
Incident Energy (MeV)

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MAT 5910

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

59-Pr-136



37

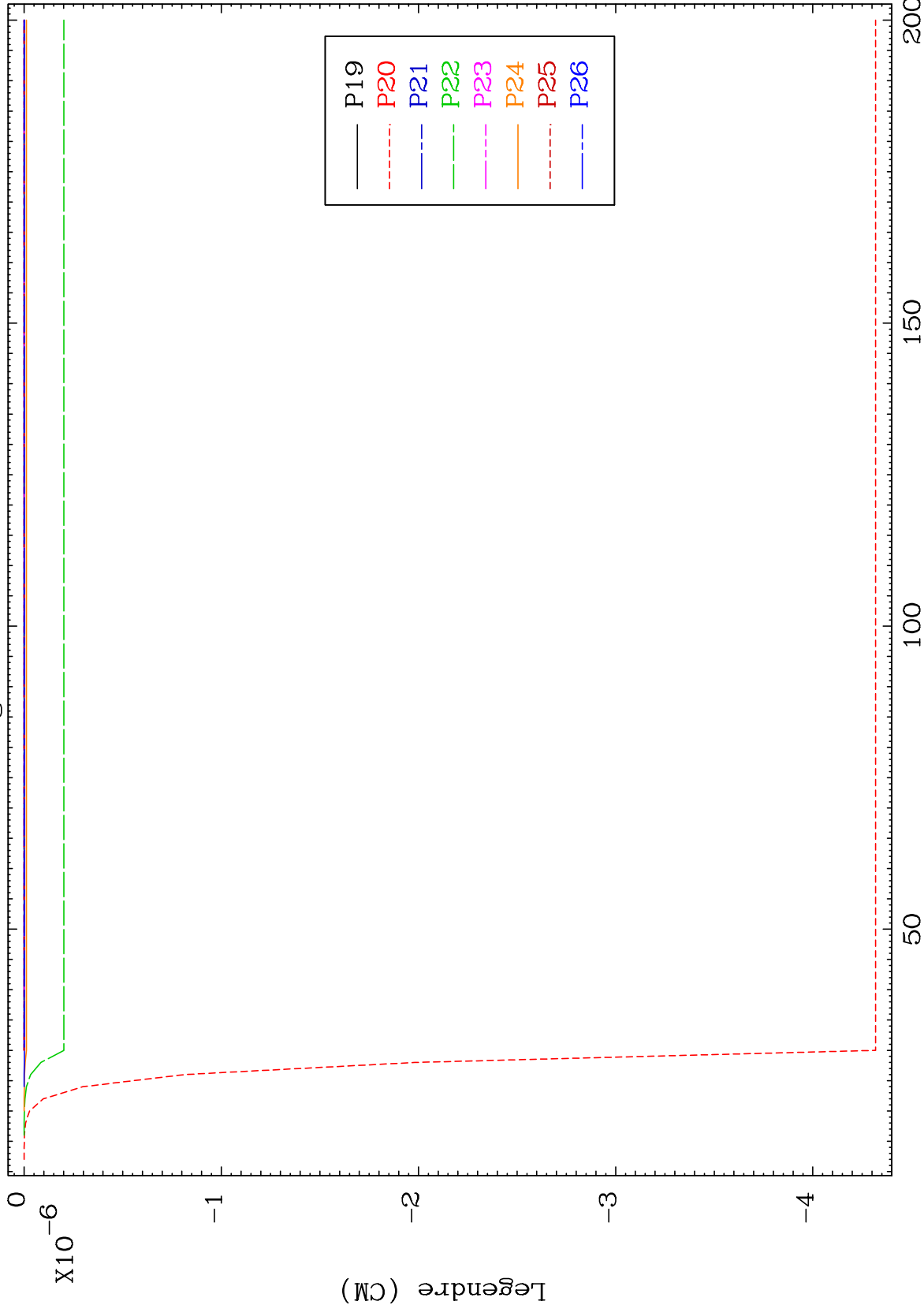
59-Pr-136

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

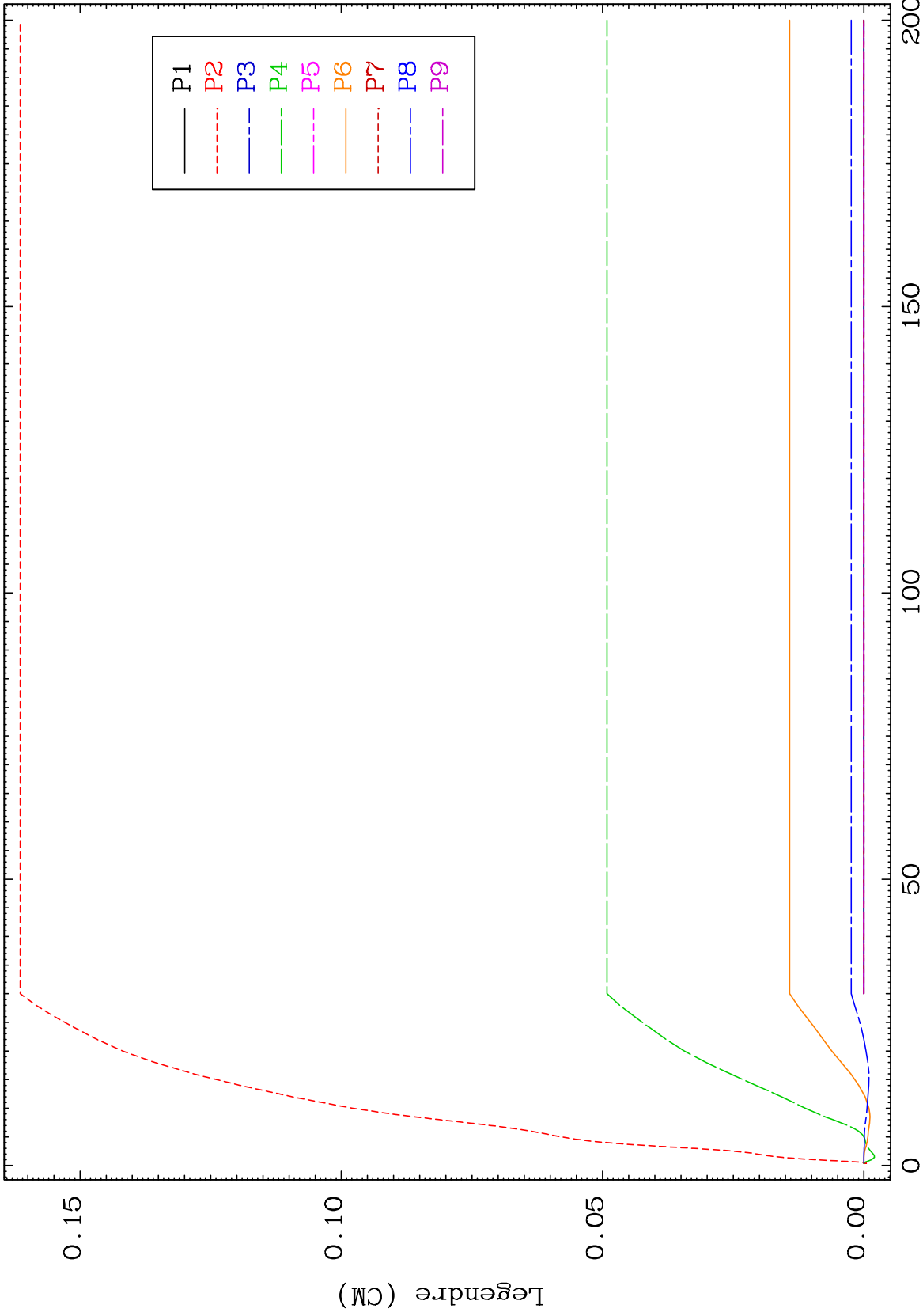
Incident Energy (MeV)

38

MAT 5910

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

59-Pr-136



39

Incident Energy (MeV)

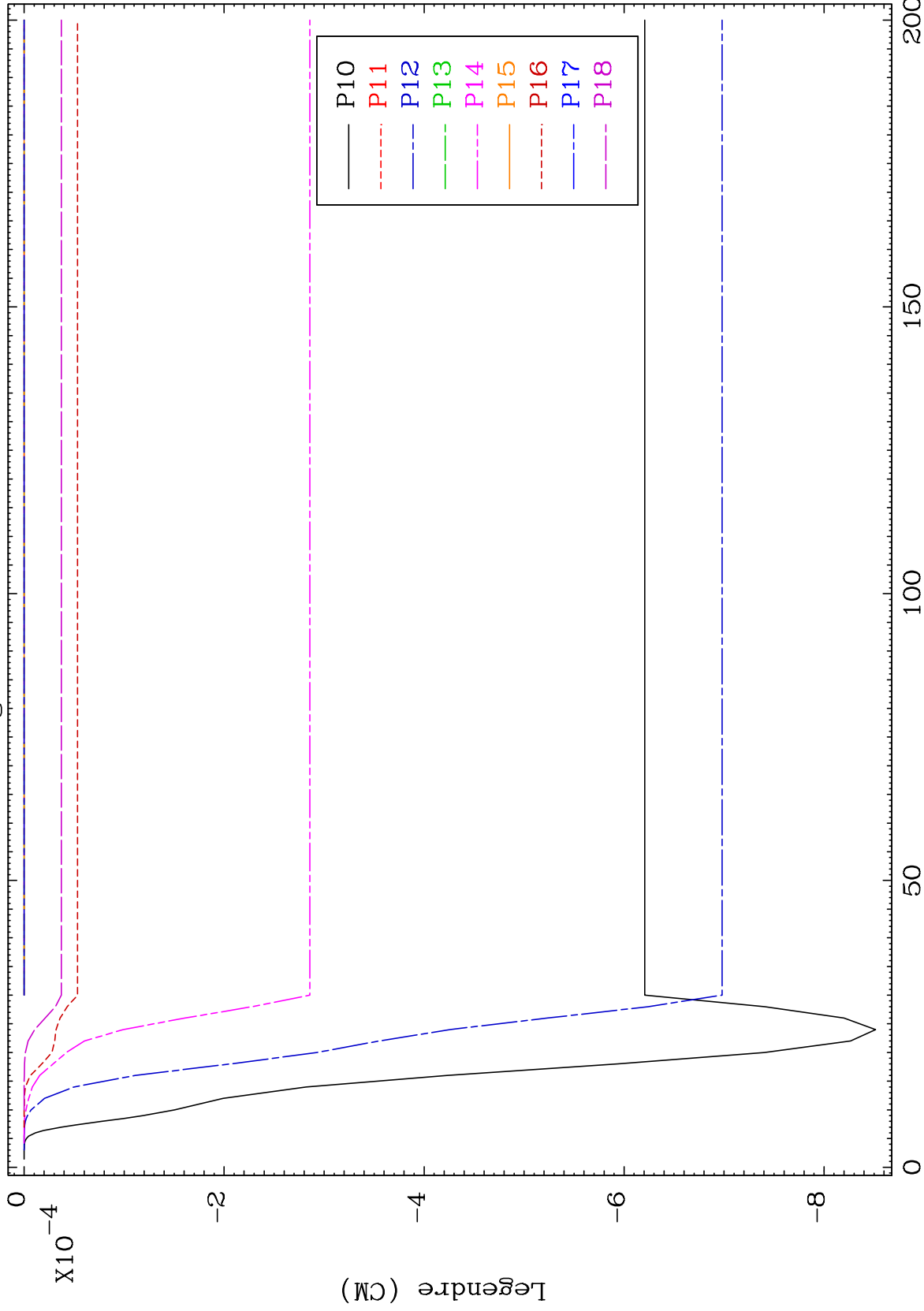
59-Pr-136



MAT 5910

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

59-Pr-136



40

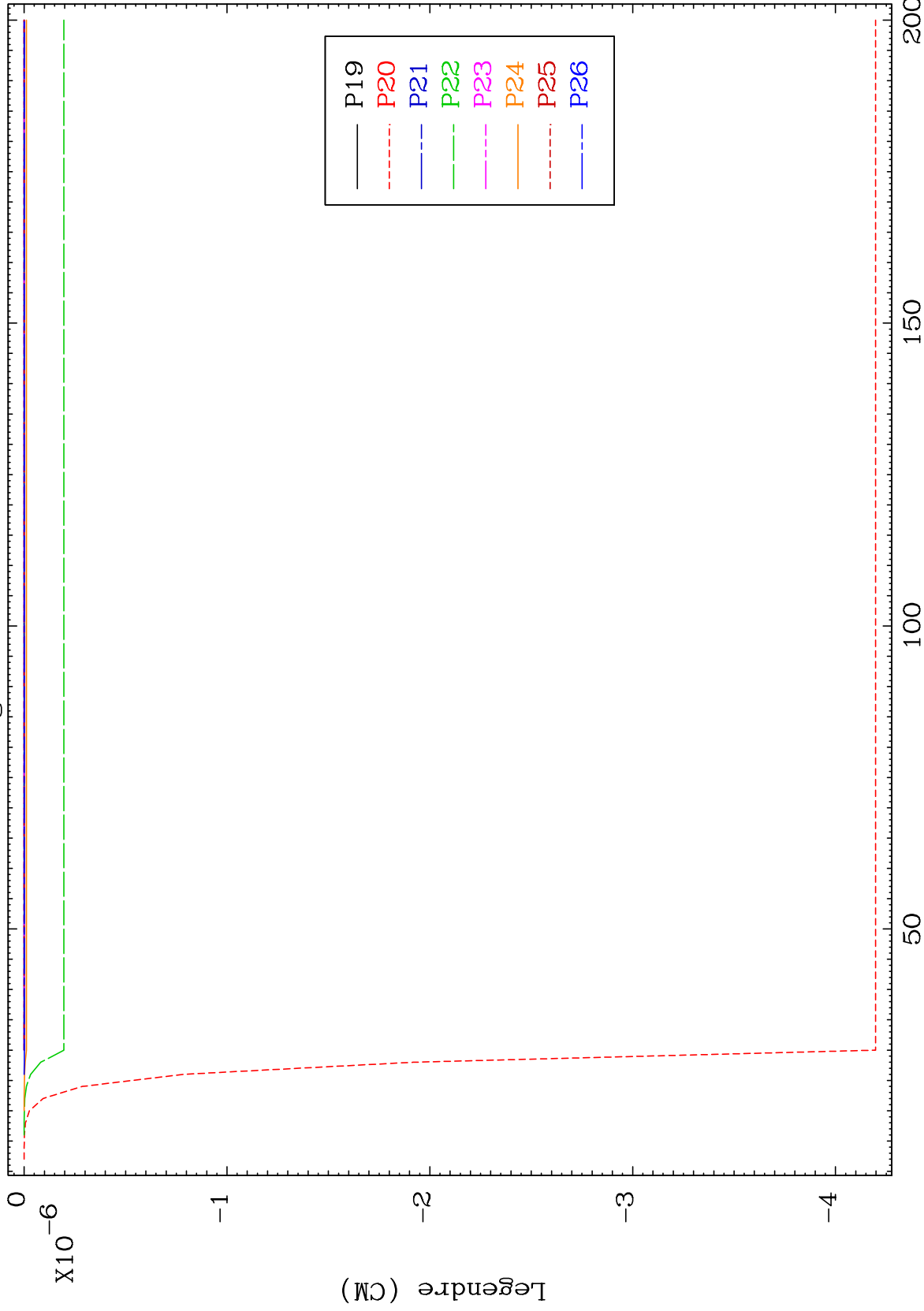
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



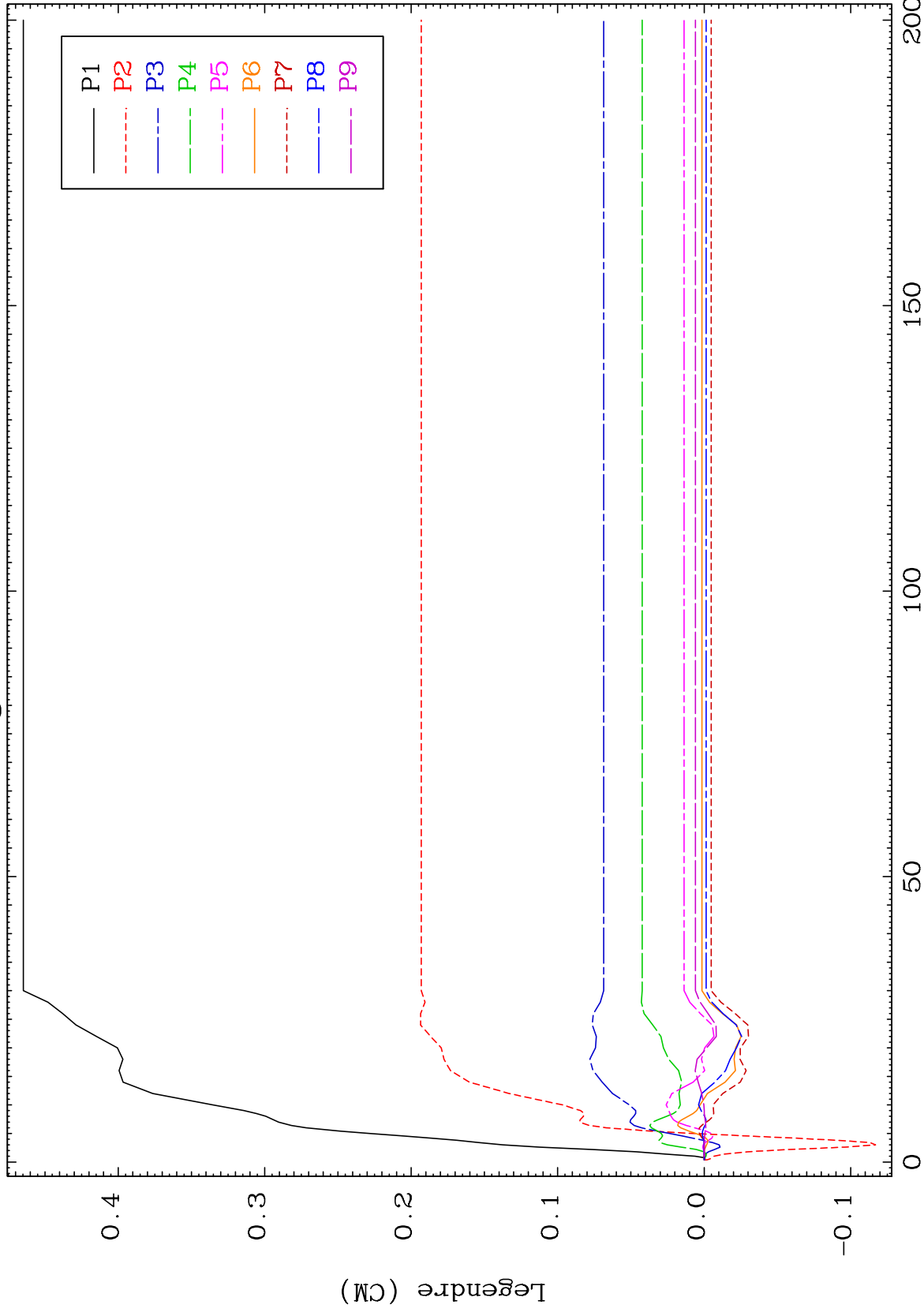
41

59-Pr-136

MAT 5910

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

59-Pr-136



42

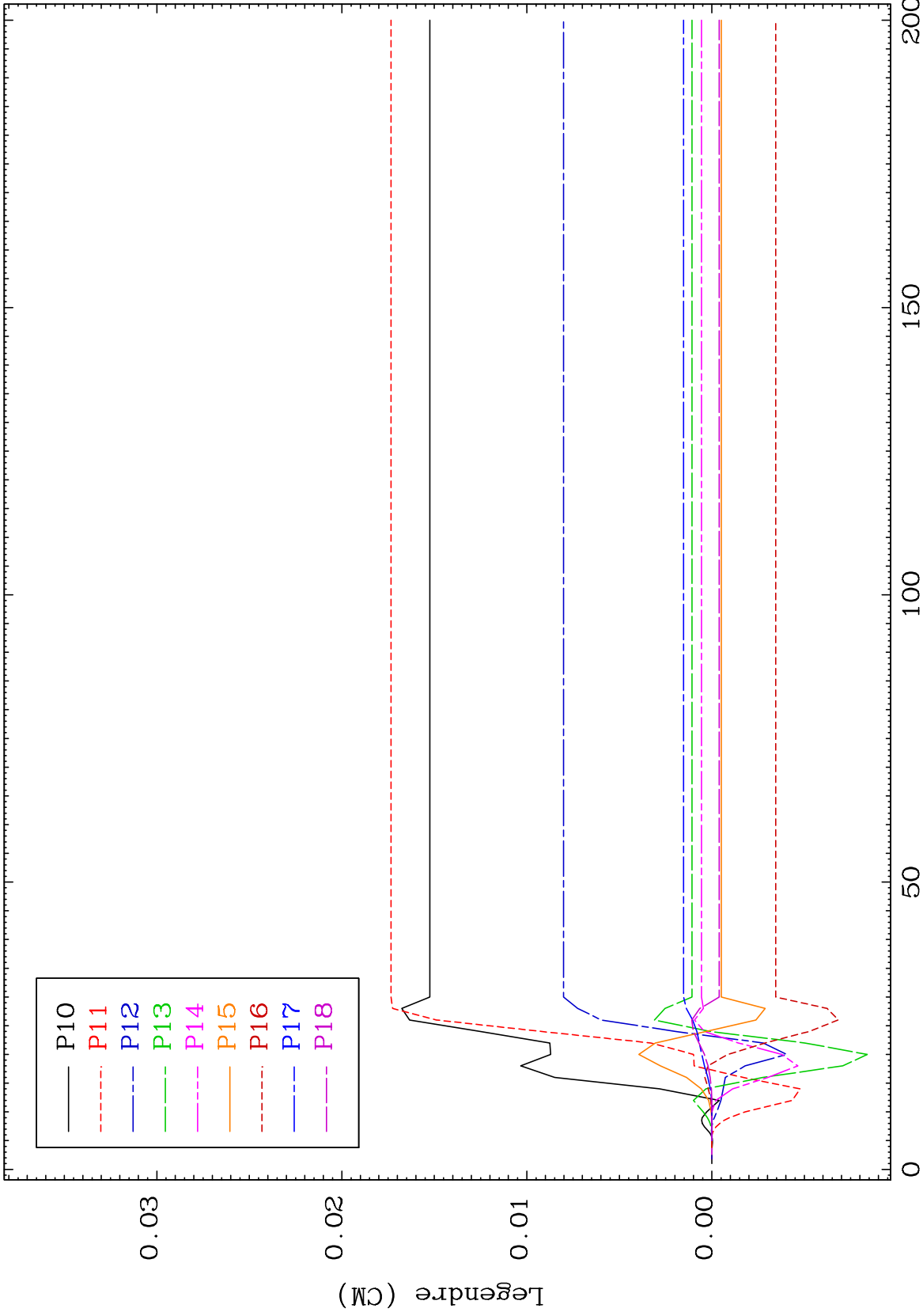
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

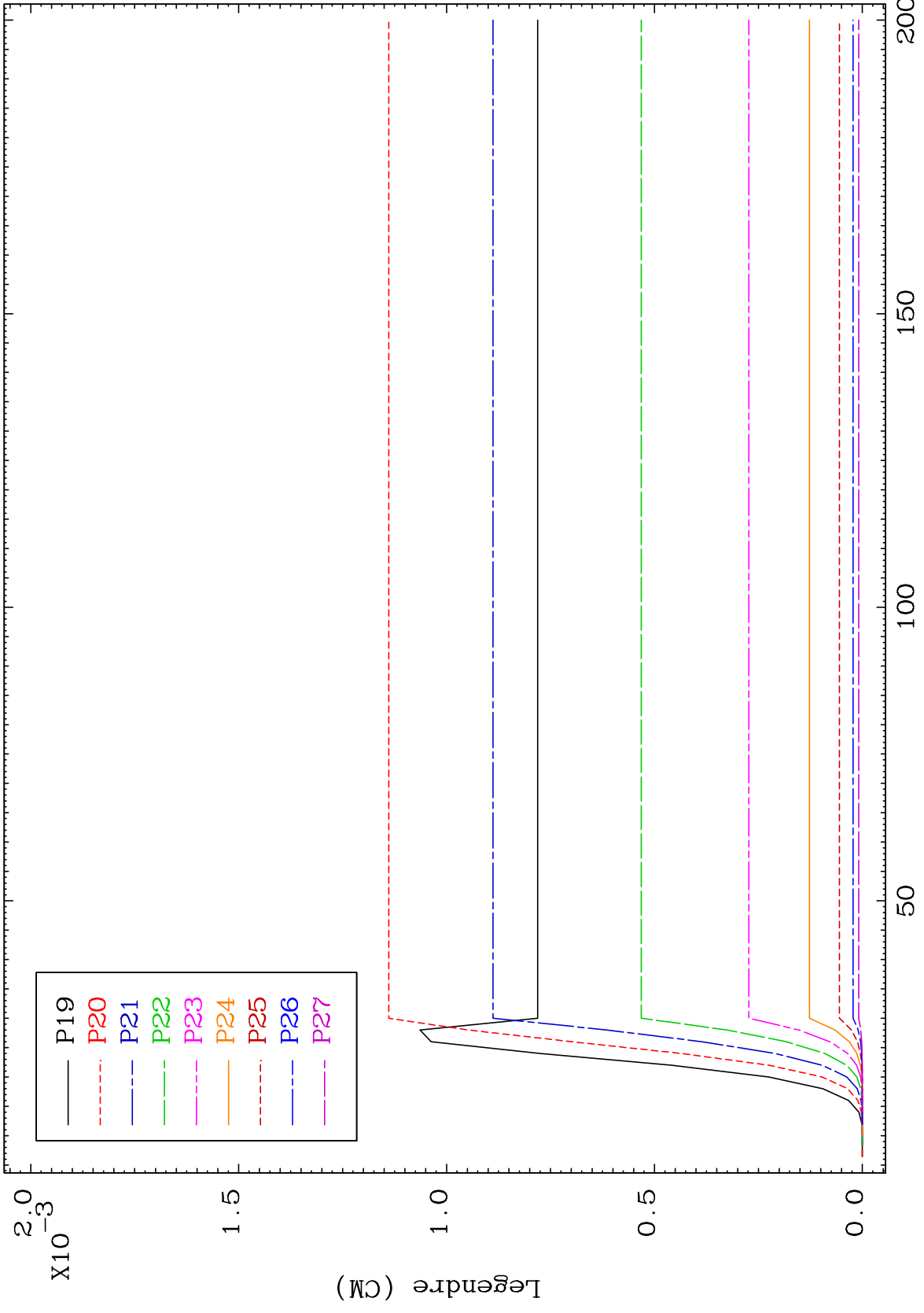
59-Pr-136



43

Incident Energy (MeV)

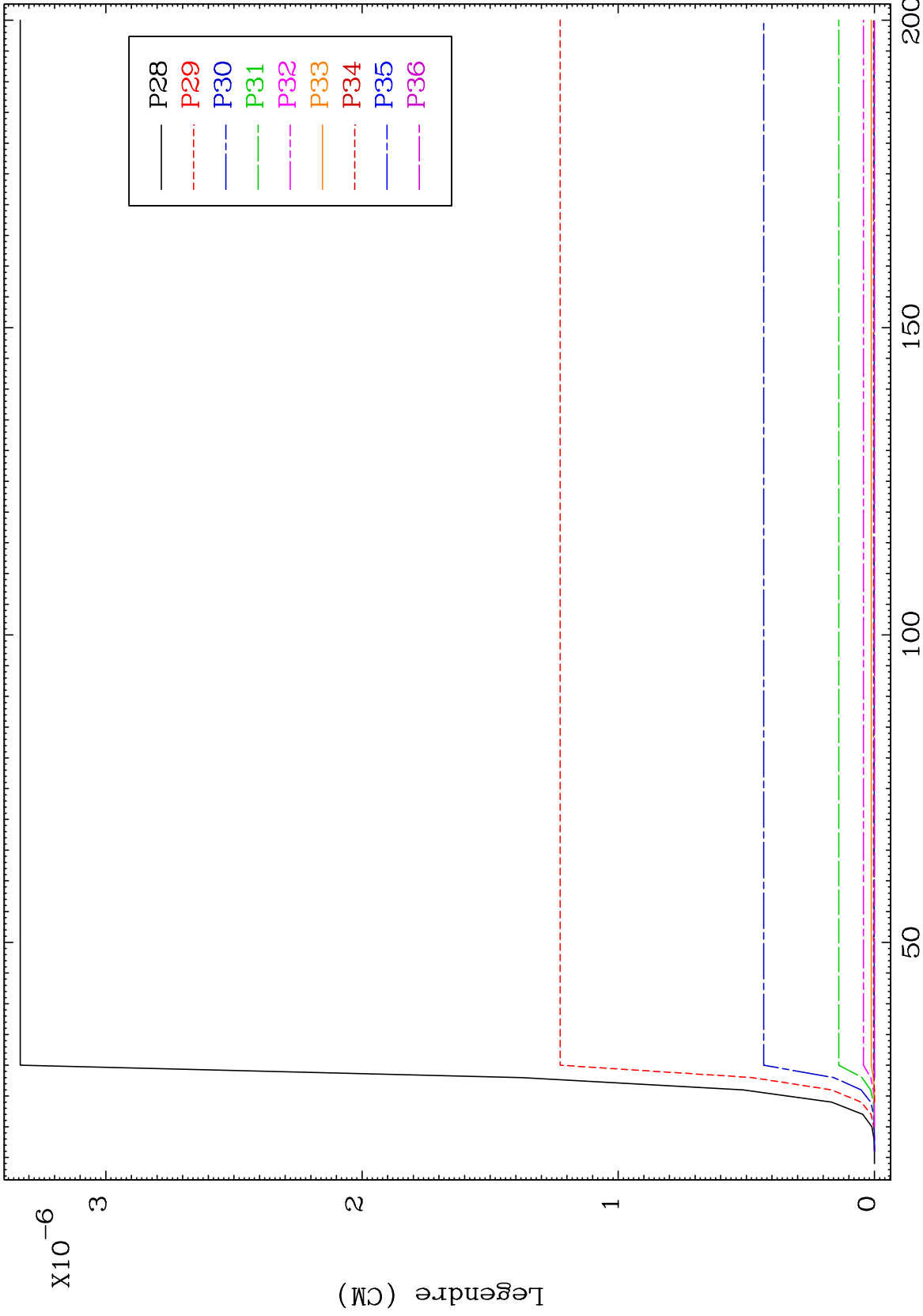
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MAT 5910

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

59-Pr-136



45

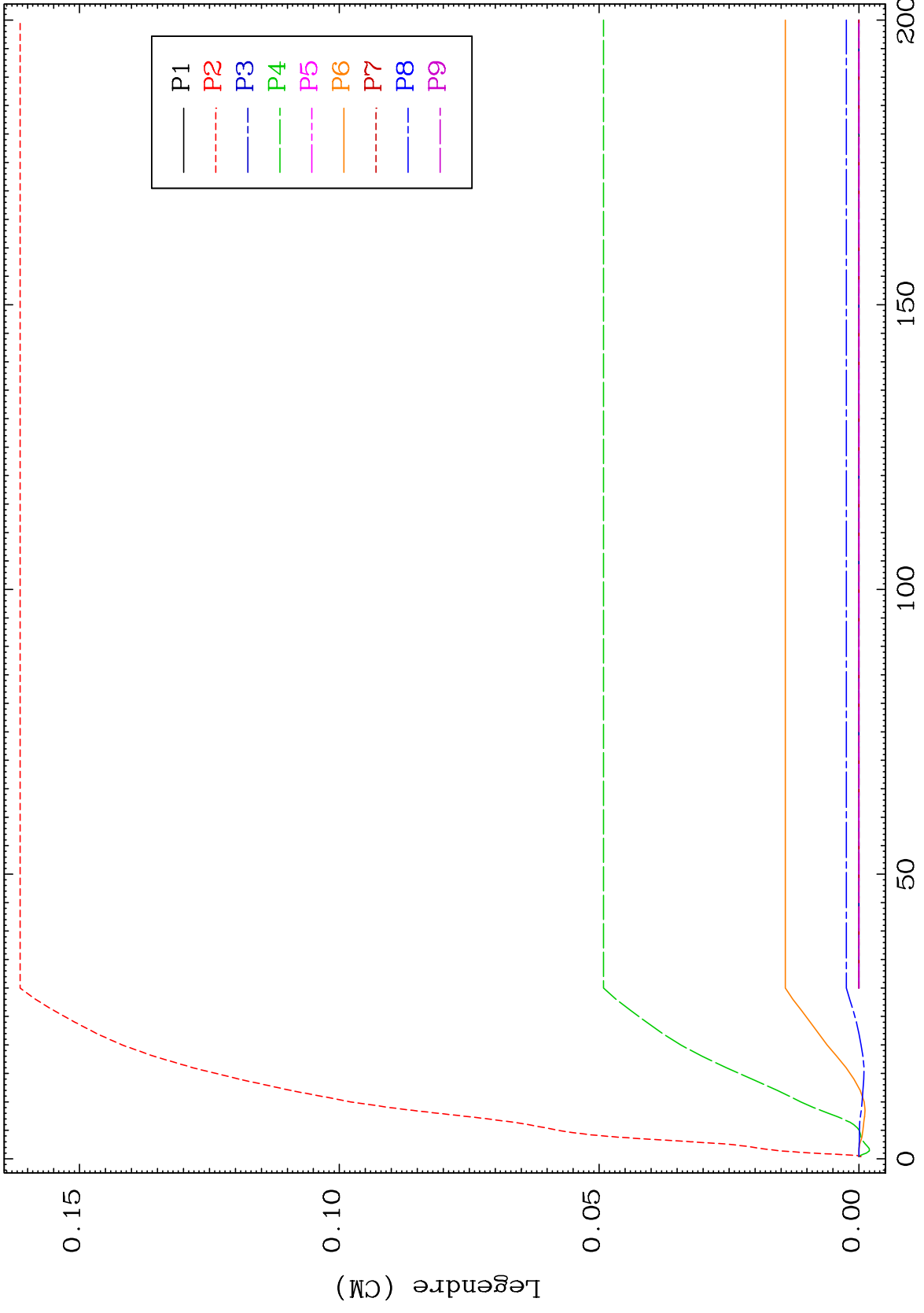
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



46

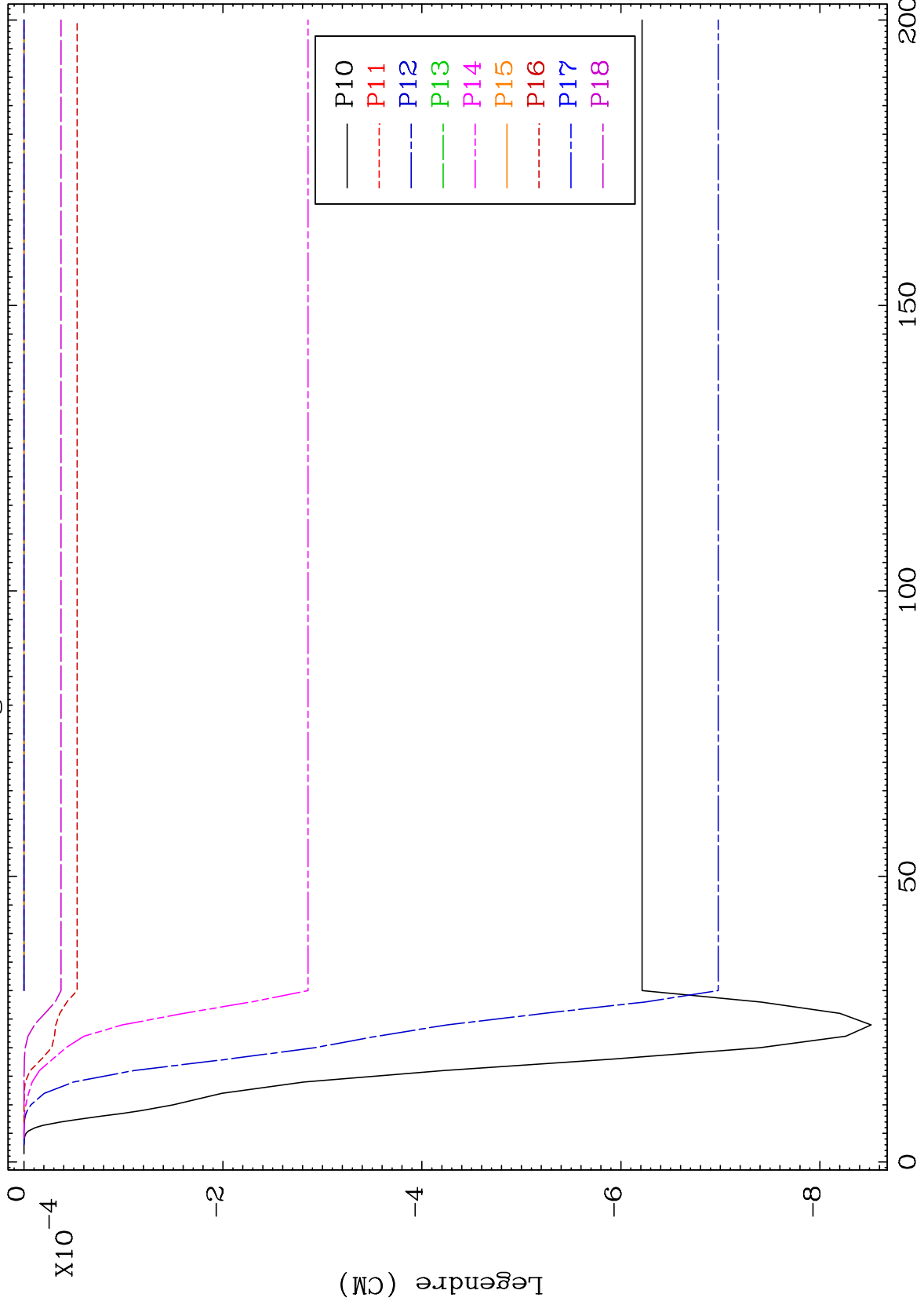
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



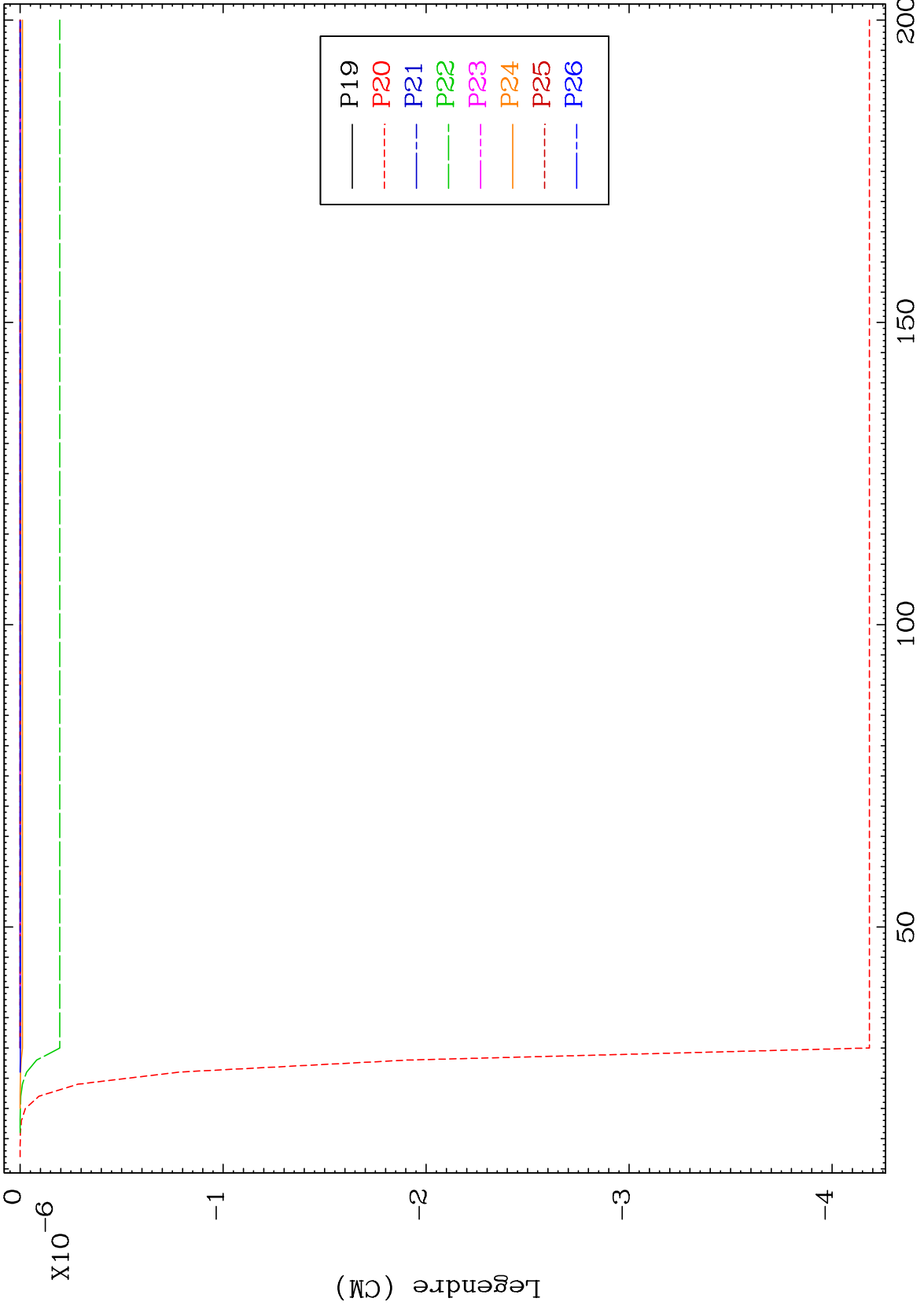
59-Pr-136

Incident Energy (MeV)

47



MAT 5910 MT= 59 (n,n') Level Legendre Coefficients 59-Pr-136

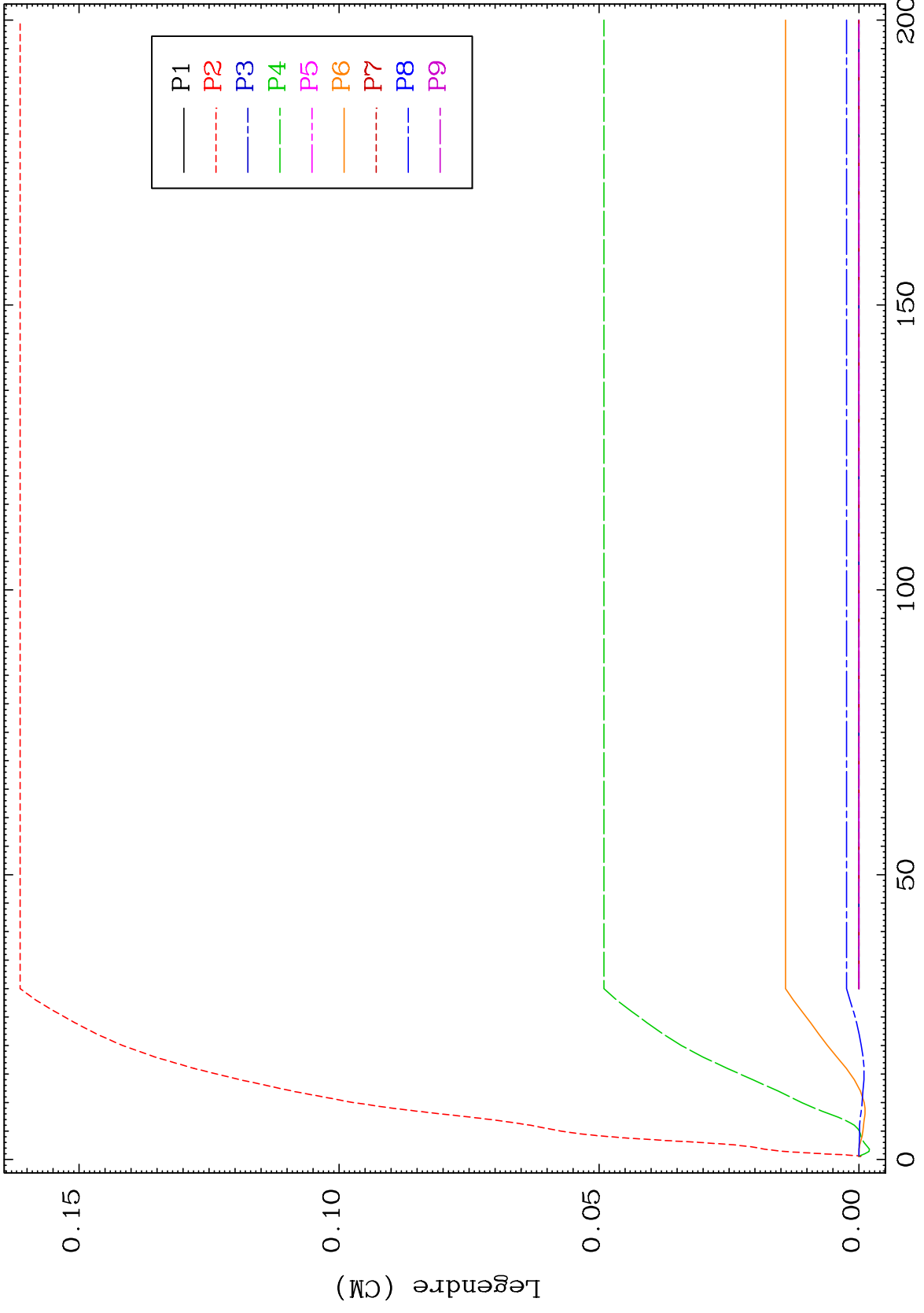


48 50 100 150 200 Incident Energy (MeV) 59-Pr-136

MAT 5910

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

59-Pr-136



49

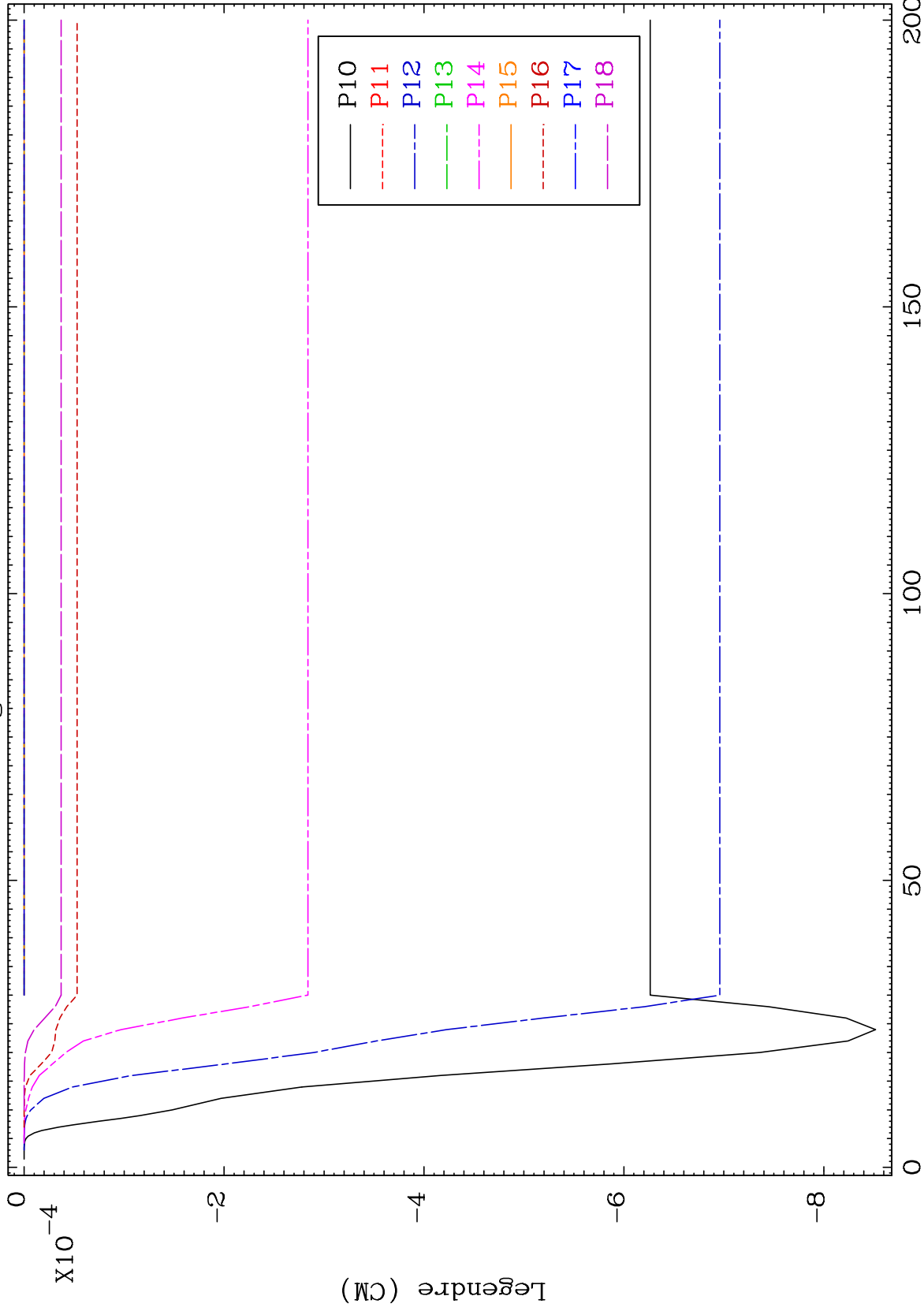
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

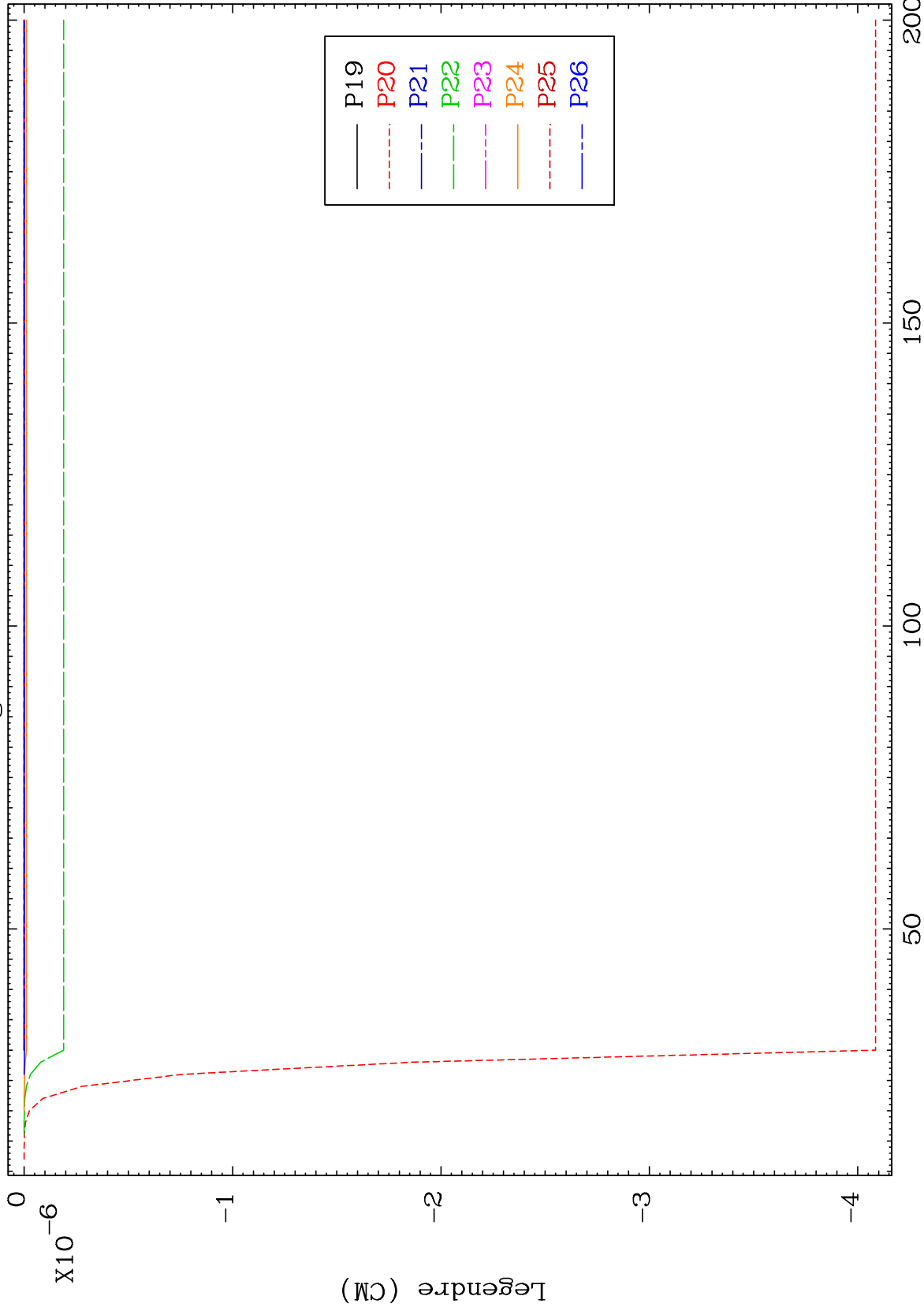
Incident Energy (MeV)

50

MAT 5910

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

59-Pr-136



51

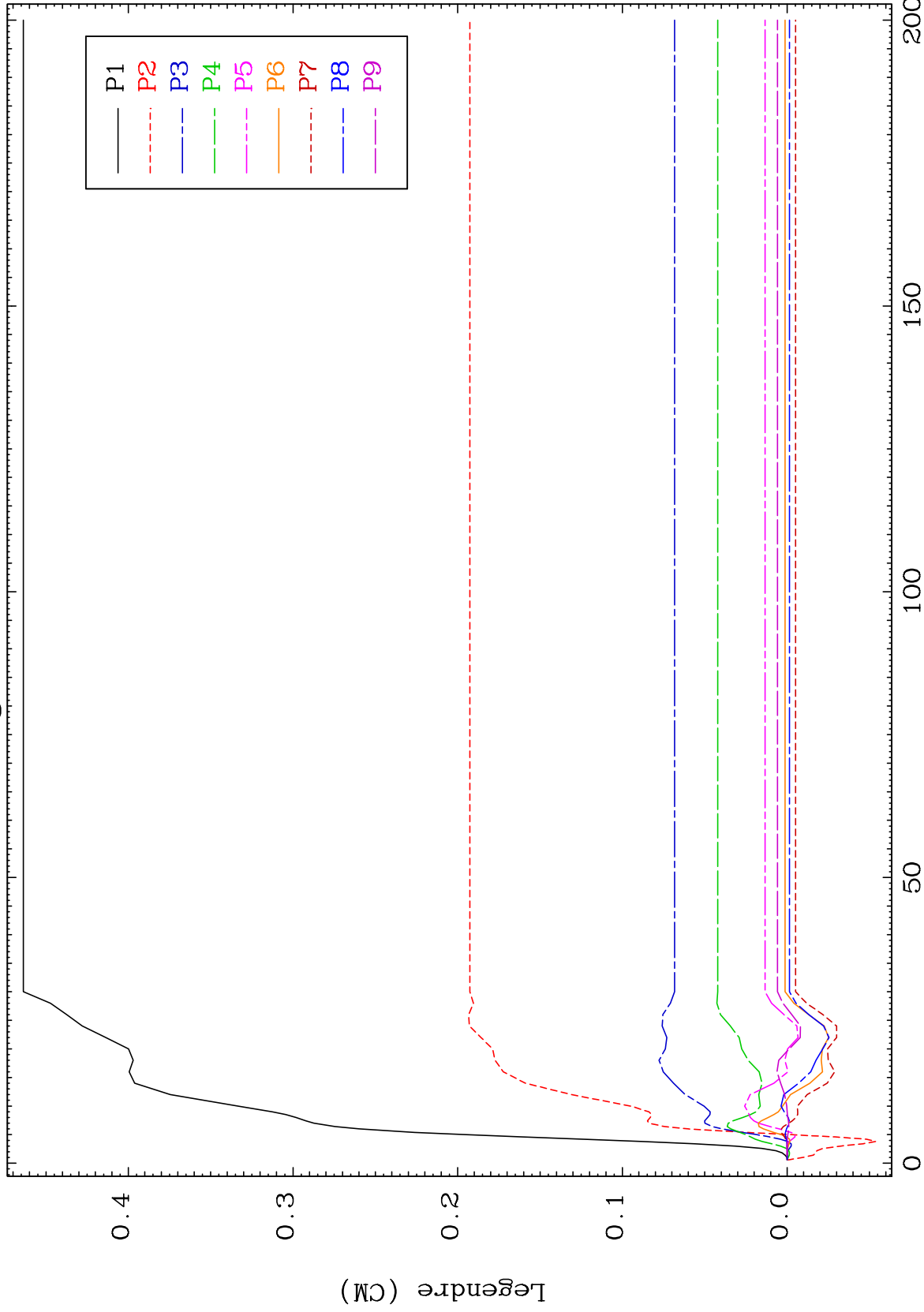
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

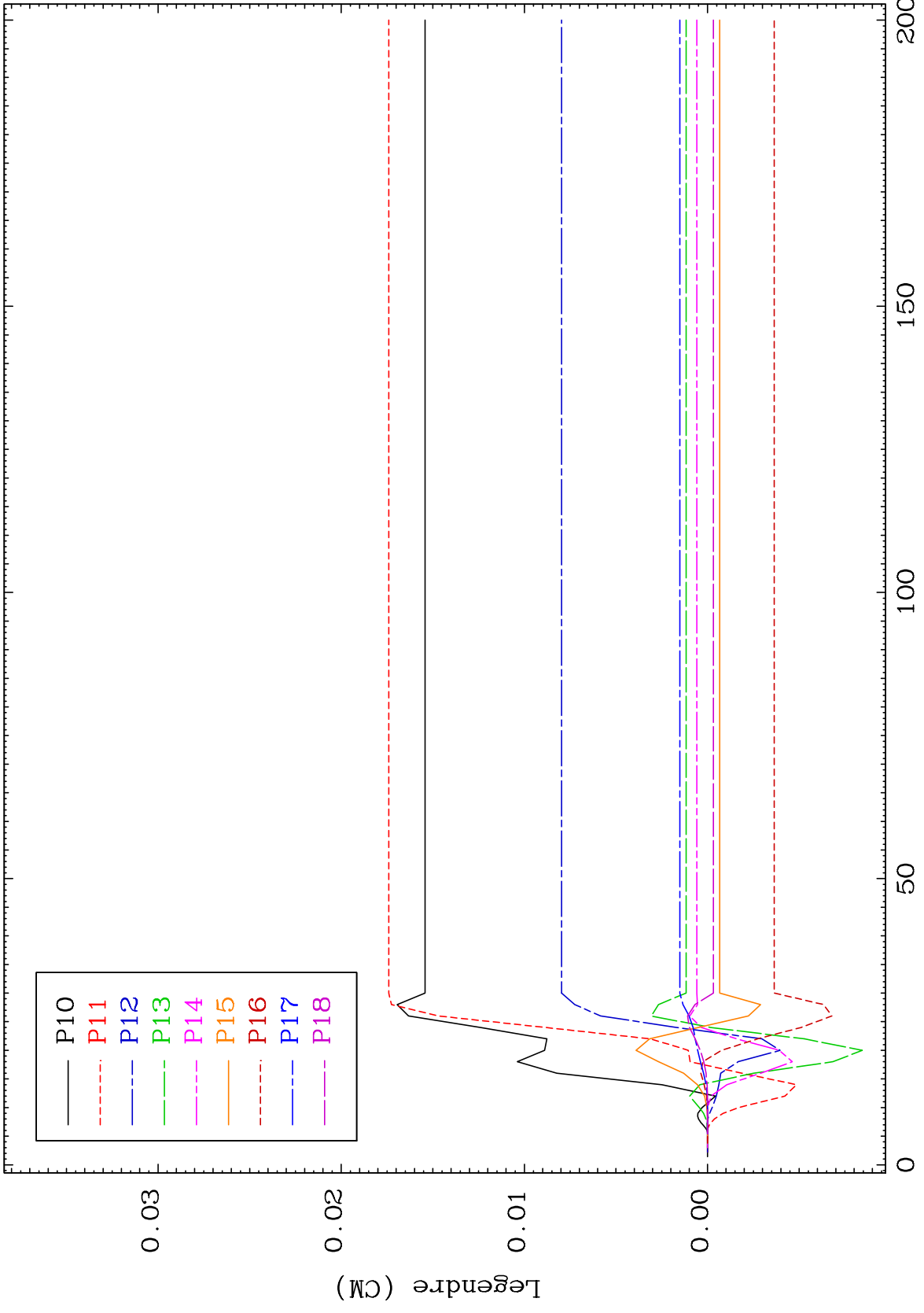
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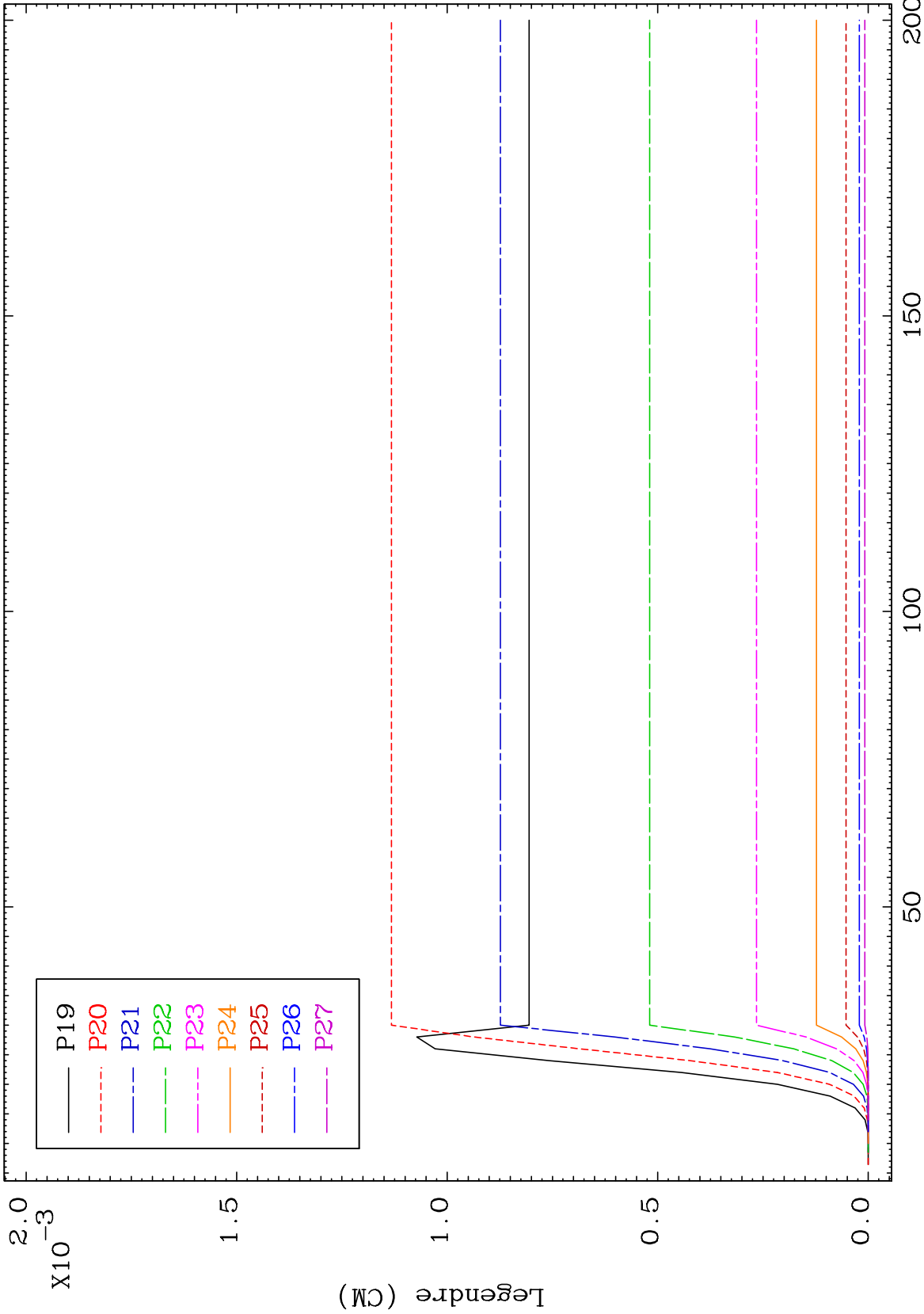


52

Incident Energy (MeV)

59-Pr-136

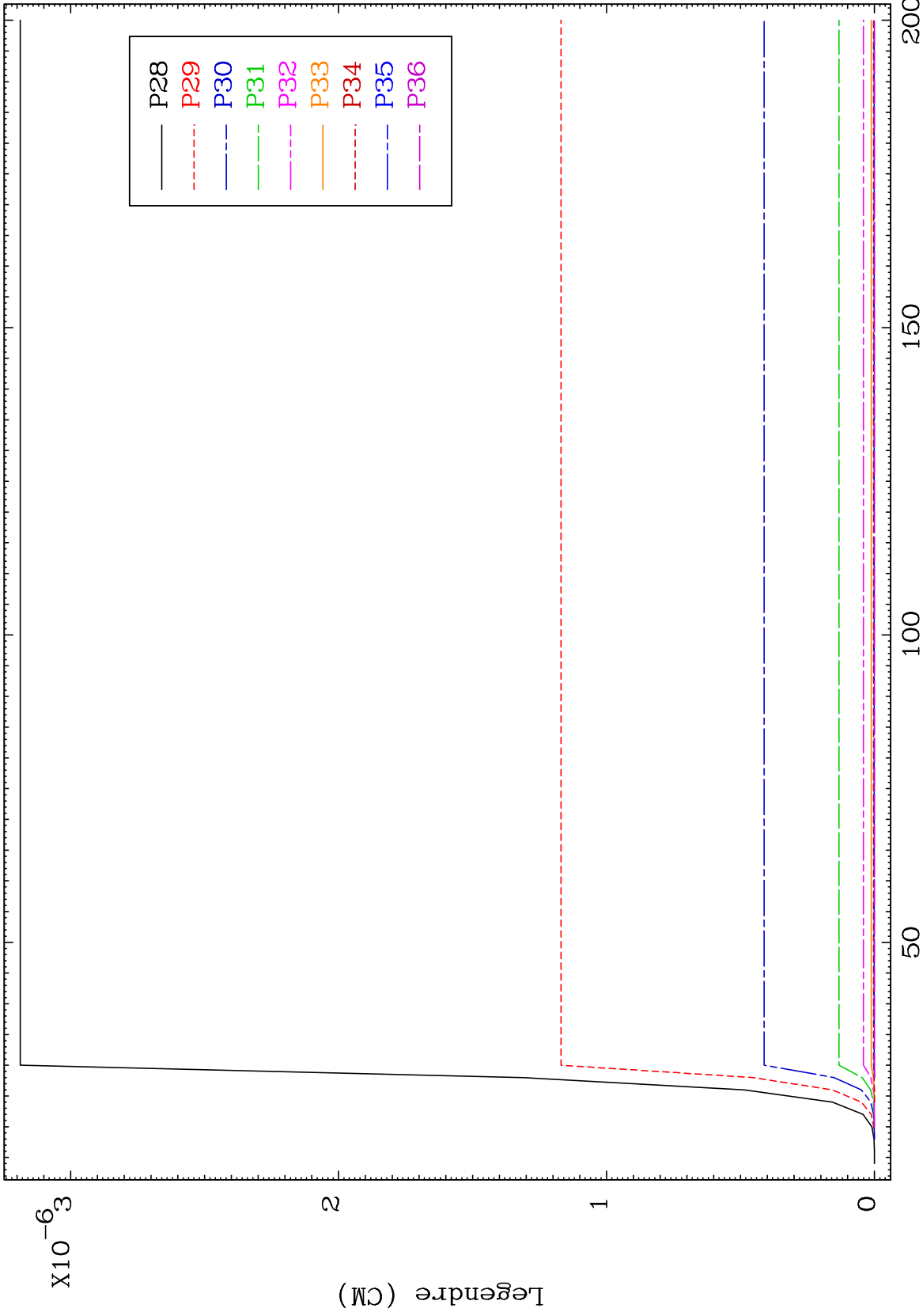




MAT 5910

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

59-Pr-136



55

Incident Energy (MeV)

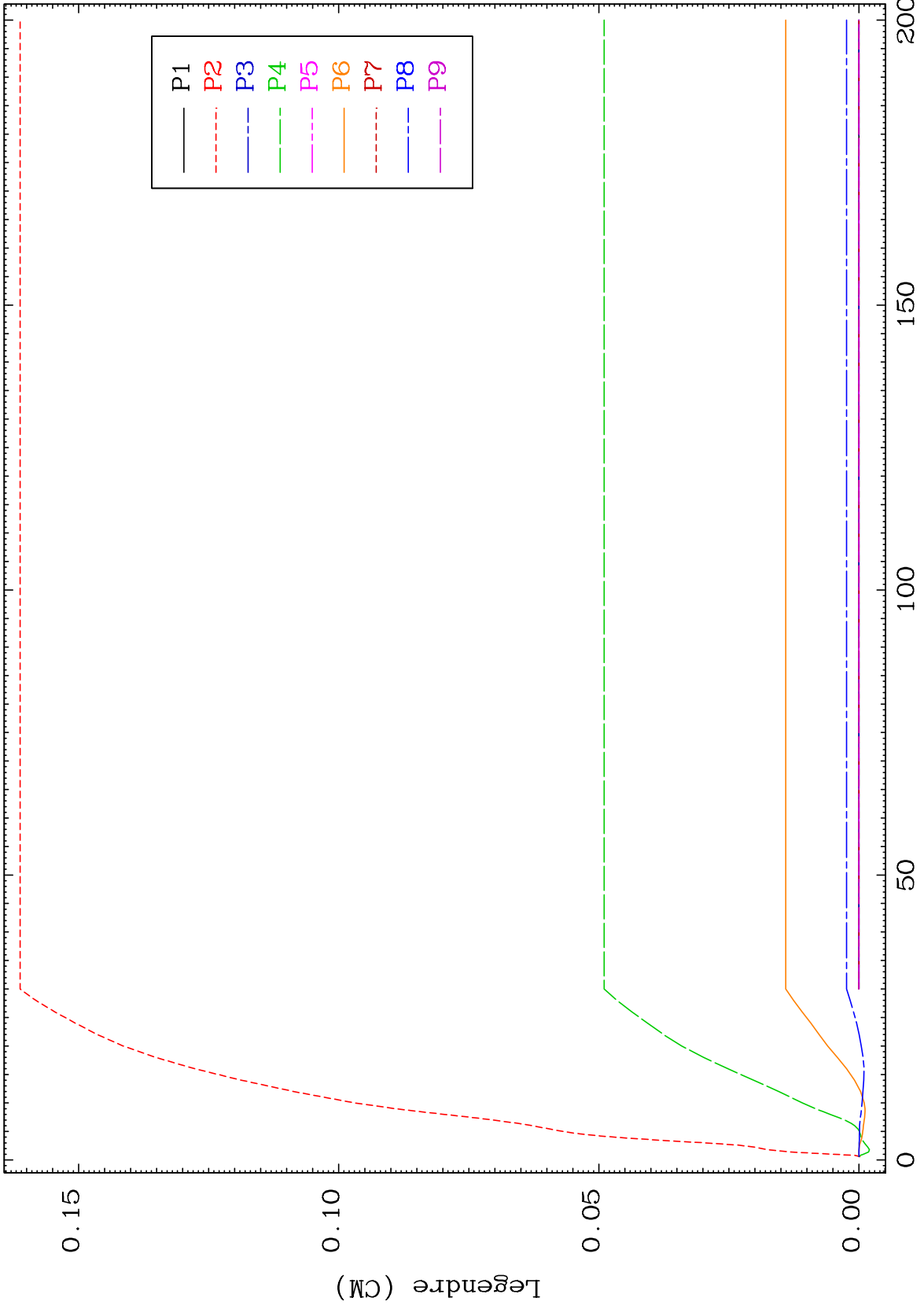
59-Pr-136



MAT 5910

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

59-Pr-136



56

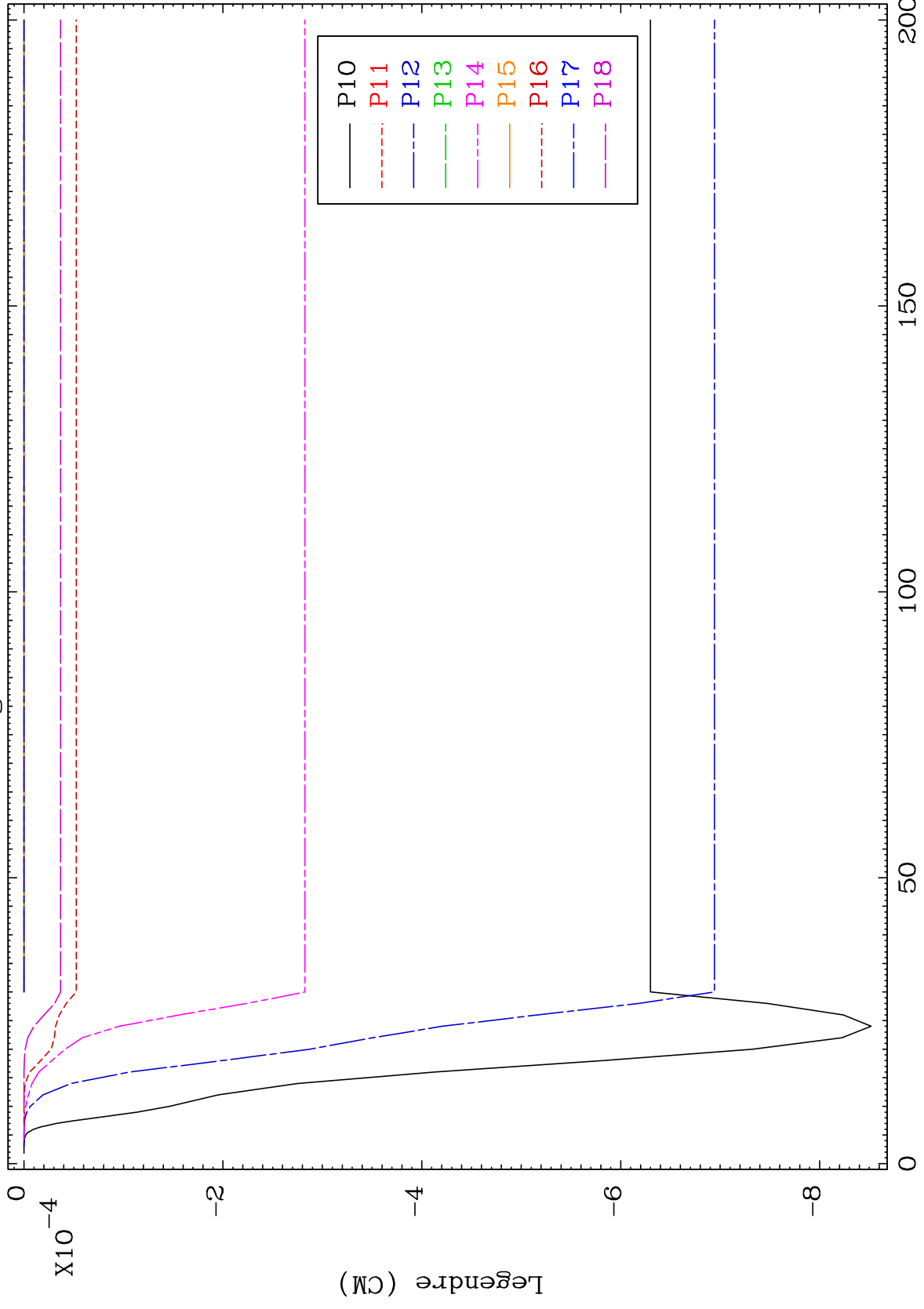
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

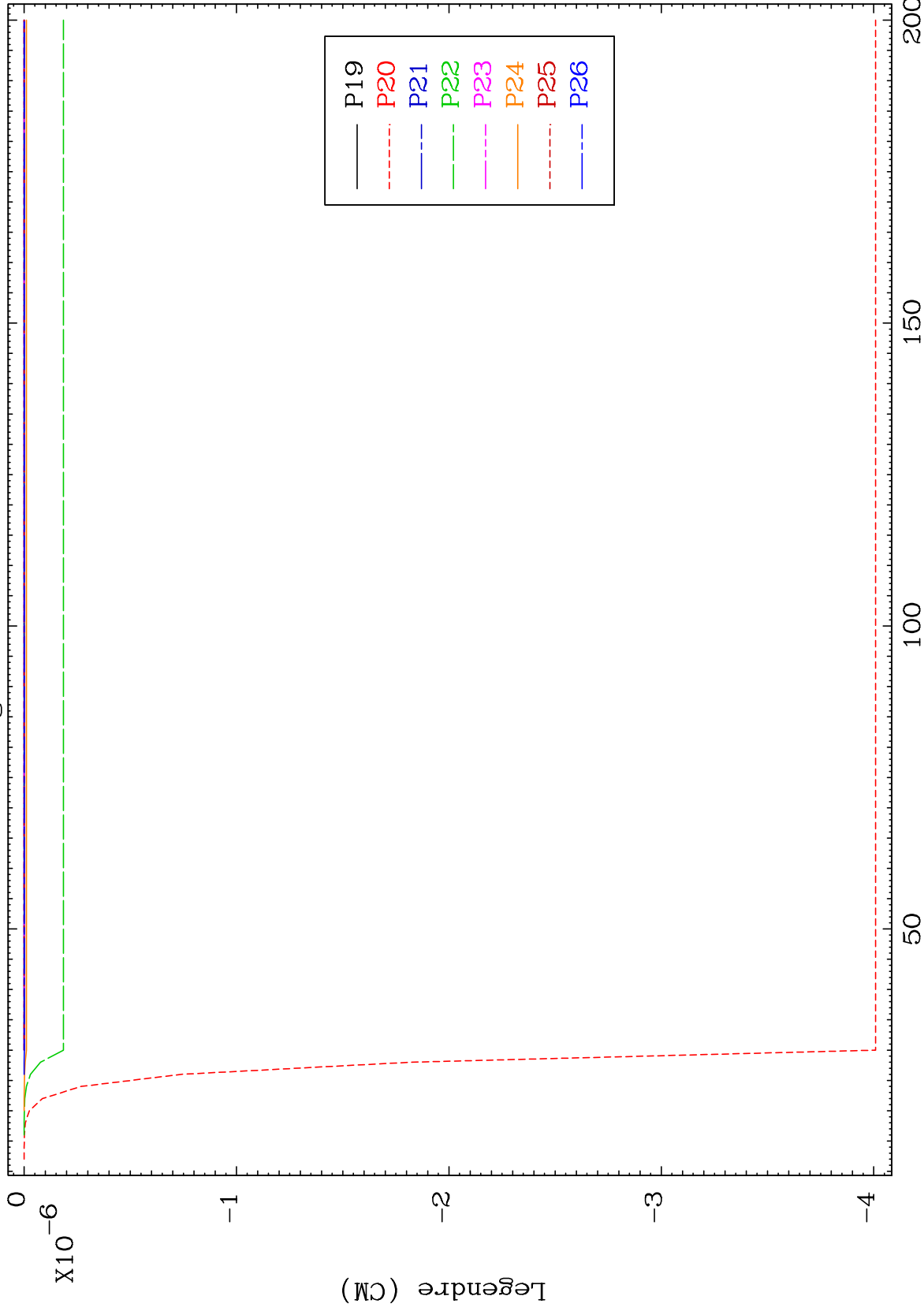
Incident Energy (MeV)

57

MAT 5910

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

59-Pr-136



58

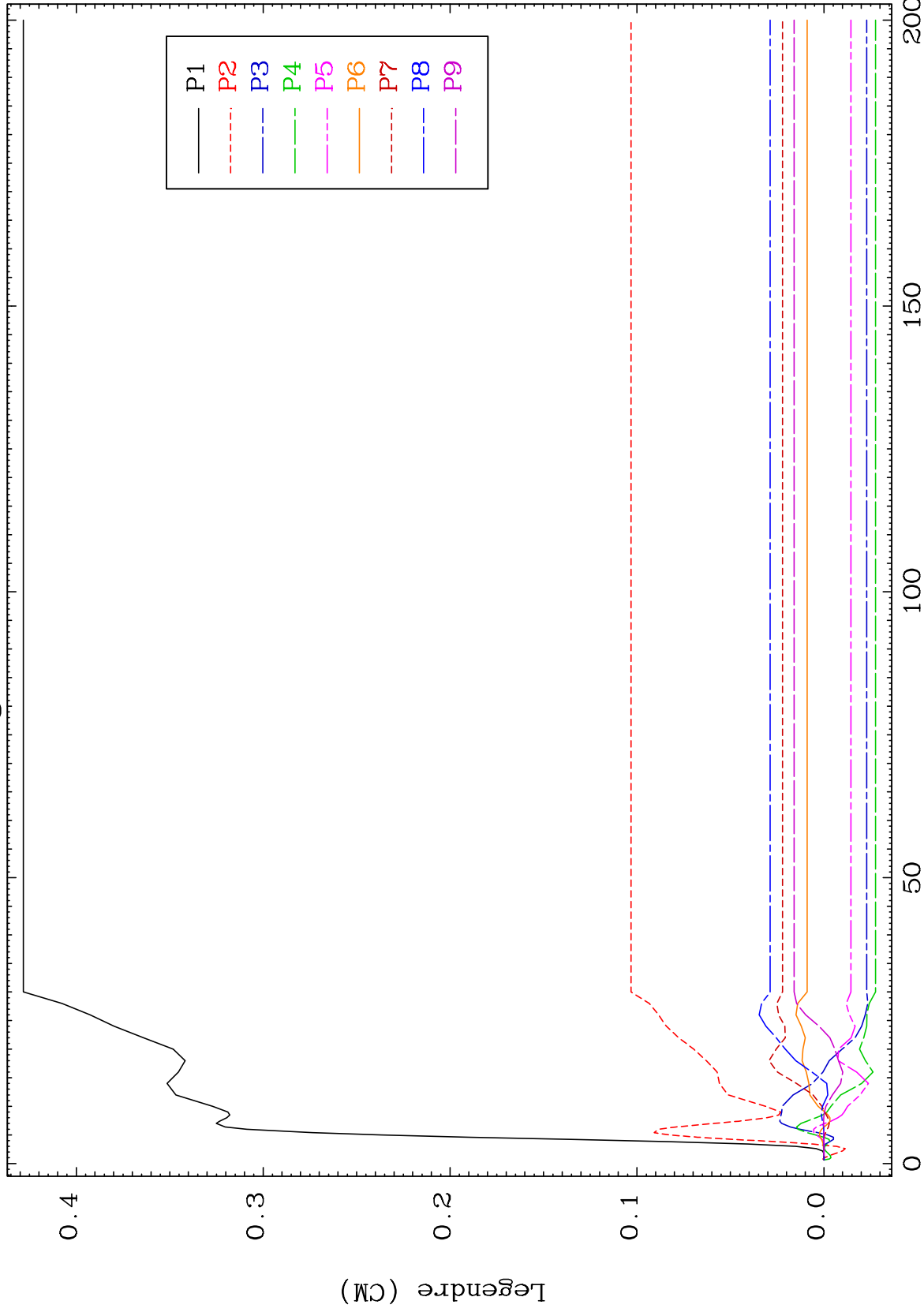
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59

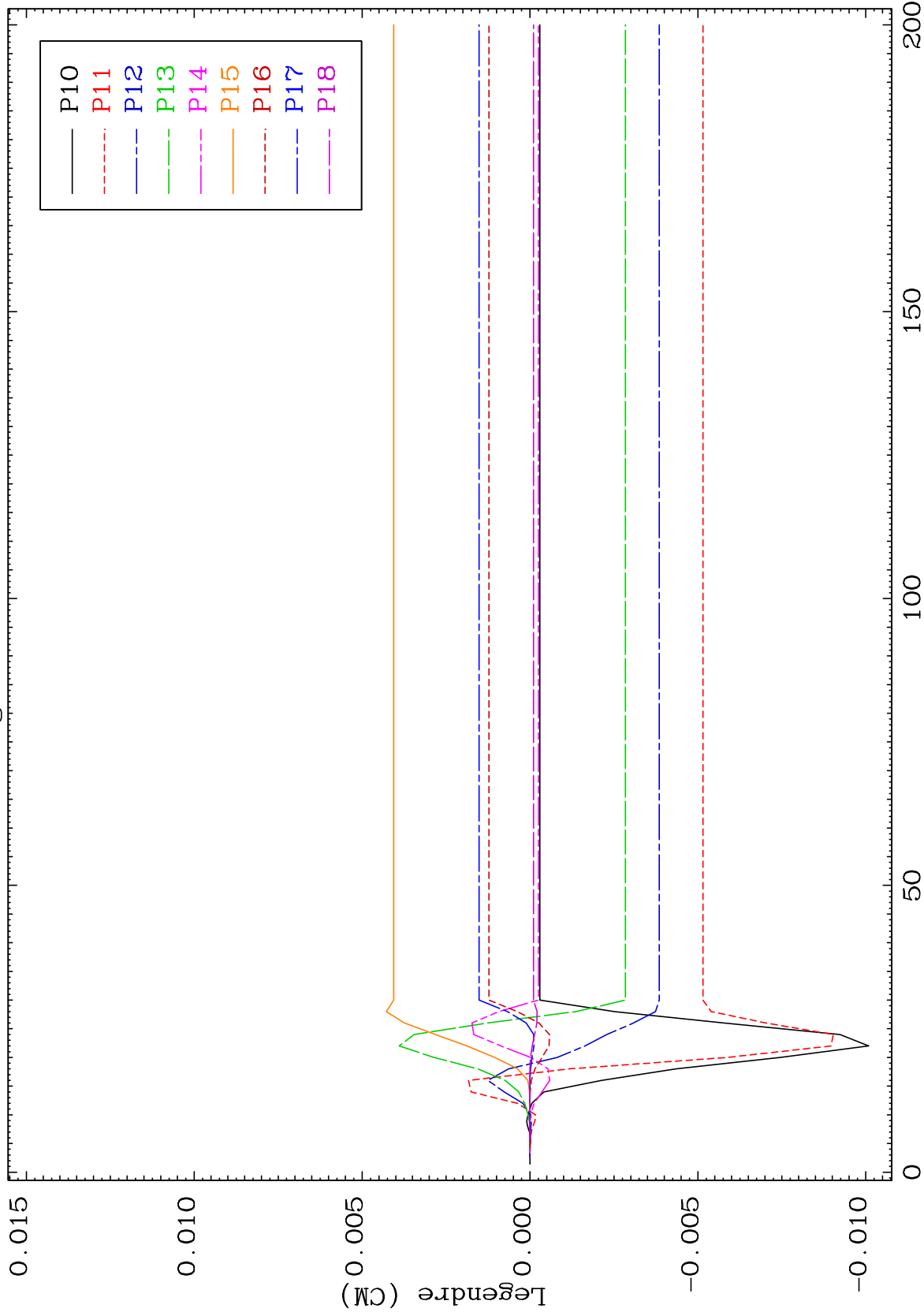
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

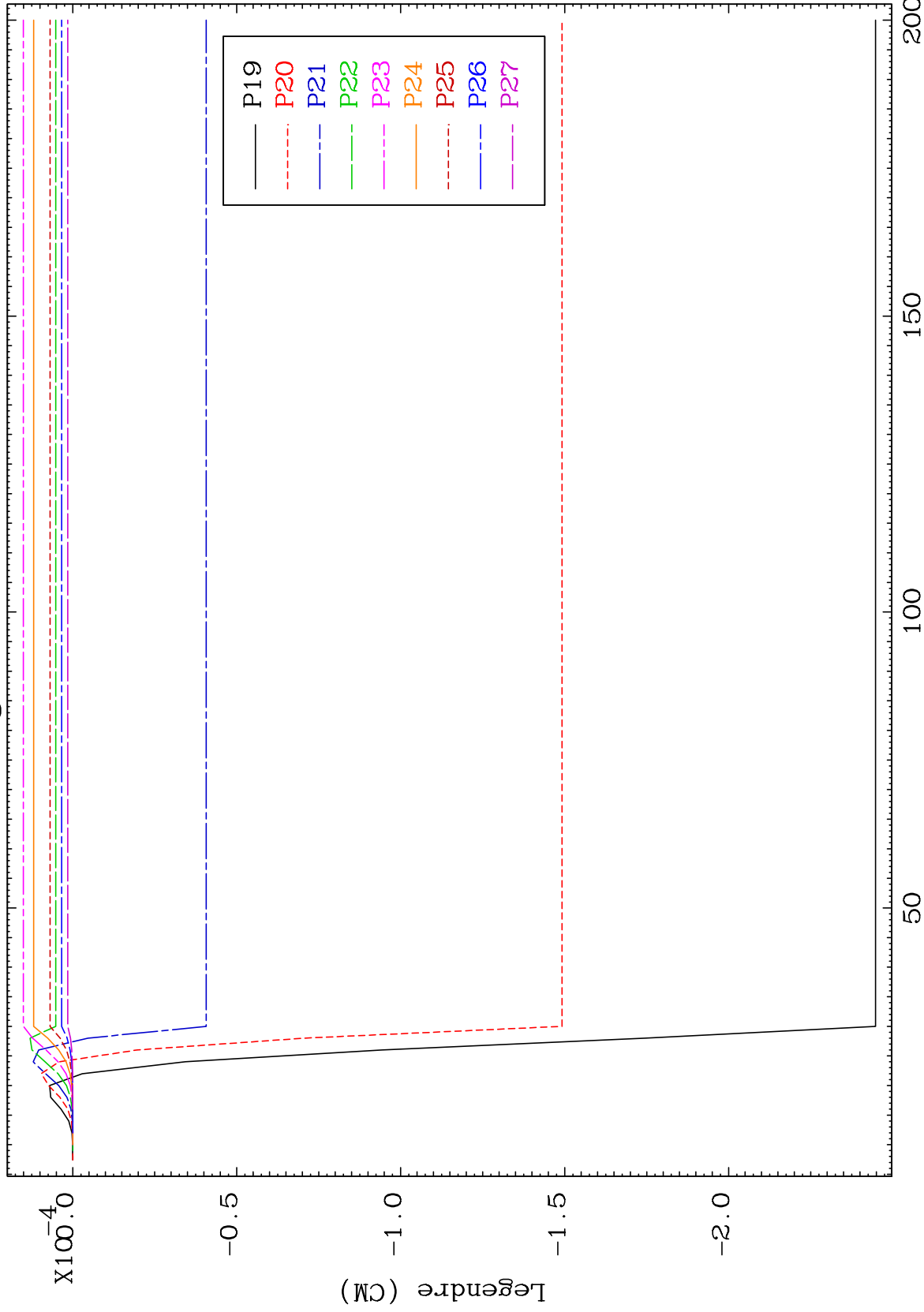
59-Pr-136



60

Incident Energy (MeV)

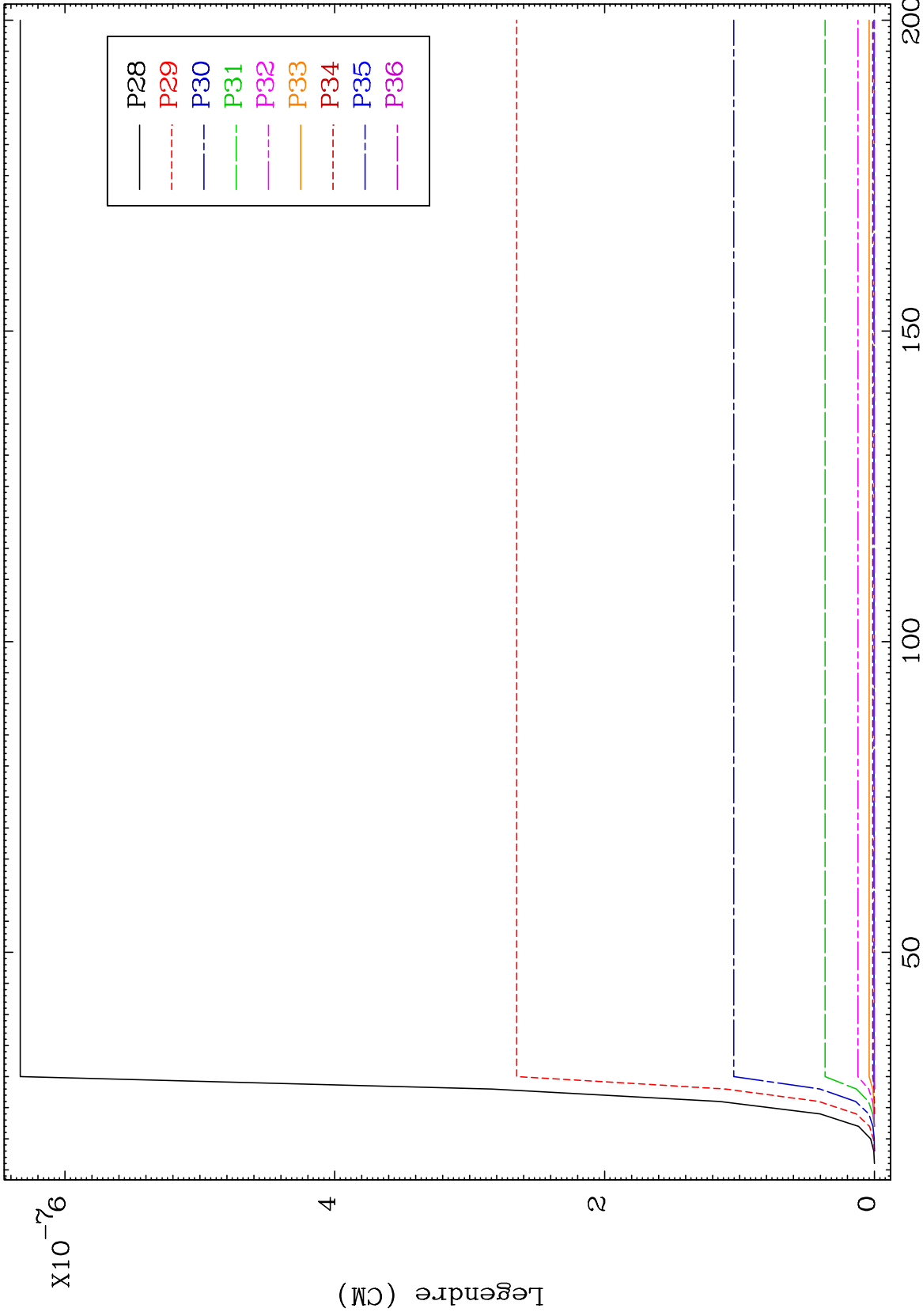
59-Pr-136



MAT 5910

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

59-Pr-136



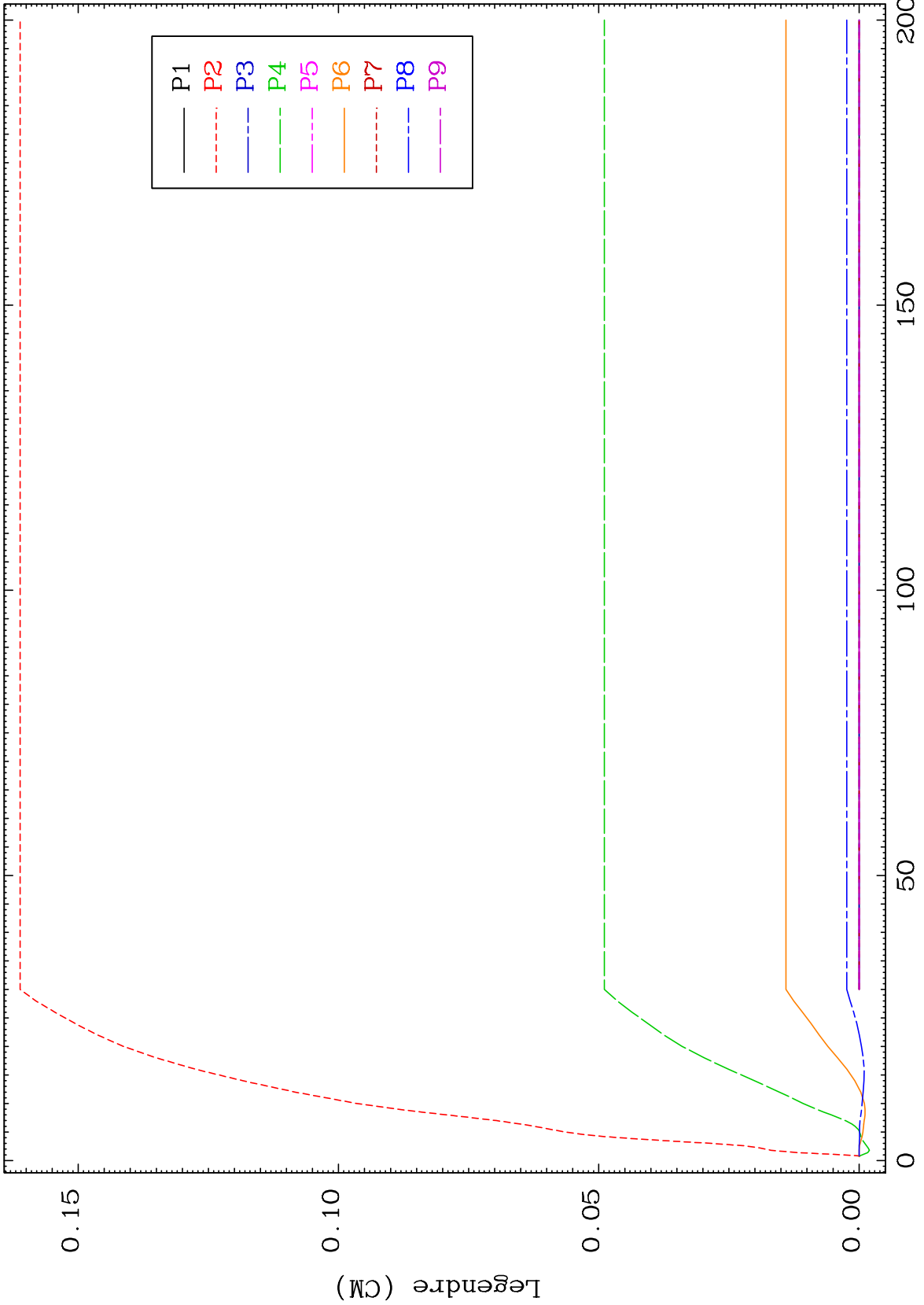
62

59-Pr-136

MAT 5910

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

59-Pr-136



63

Incident Energy (MeV)

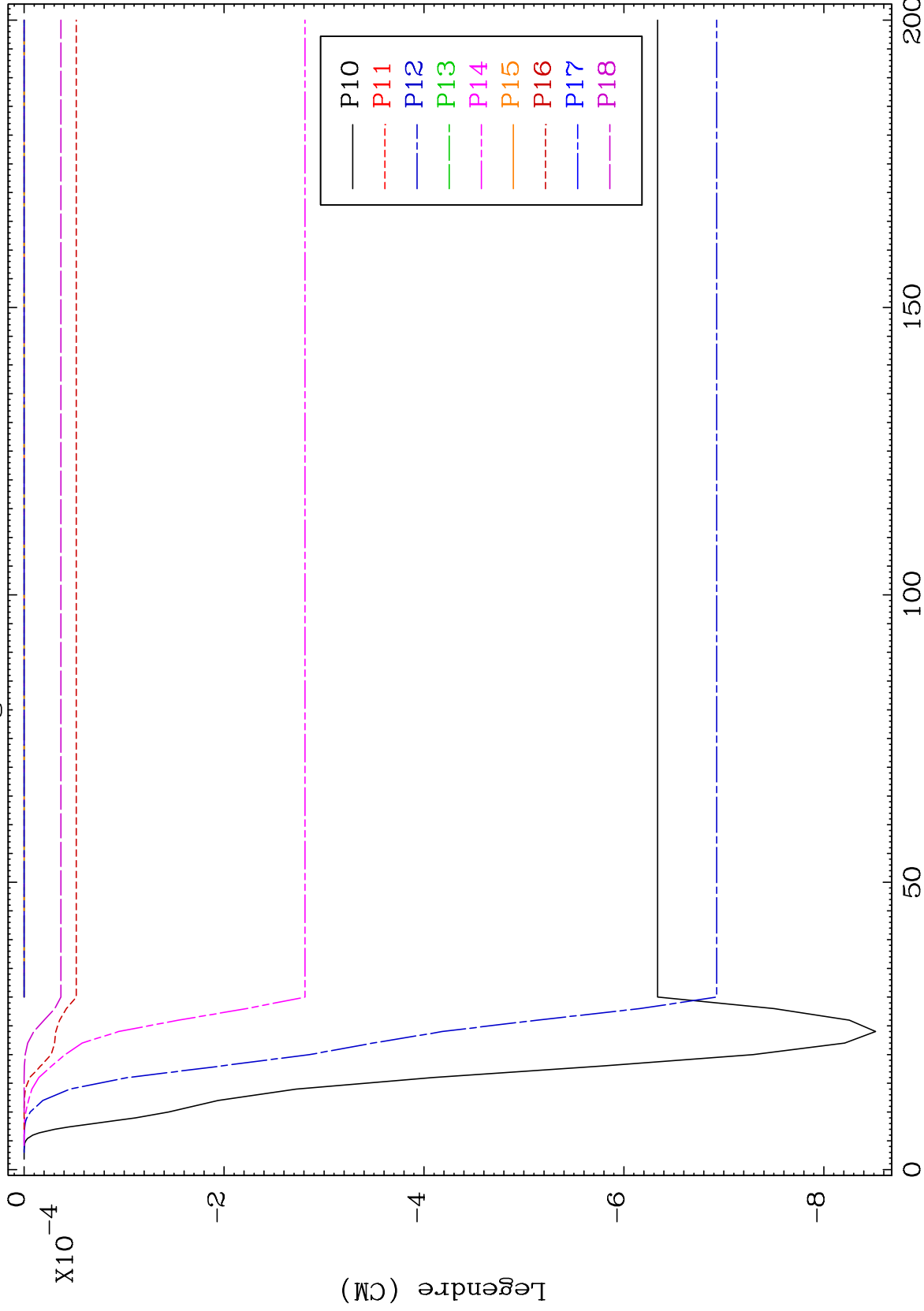
59-Pr-136



MAT 5910

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

59-Pr-136



64

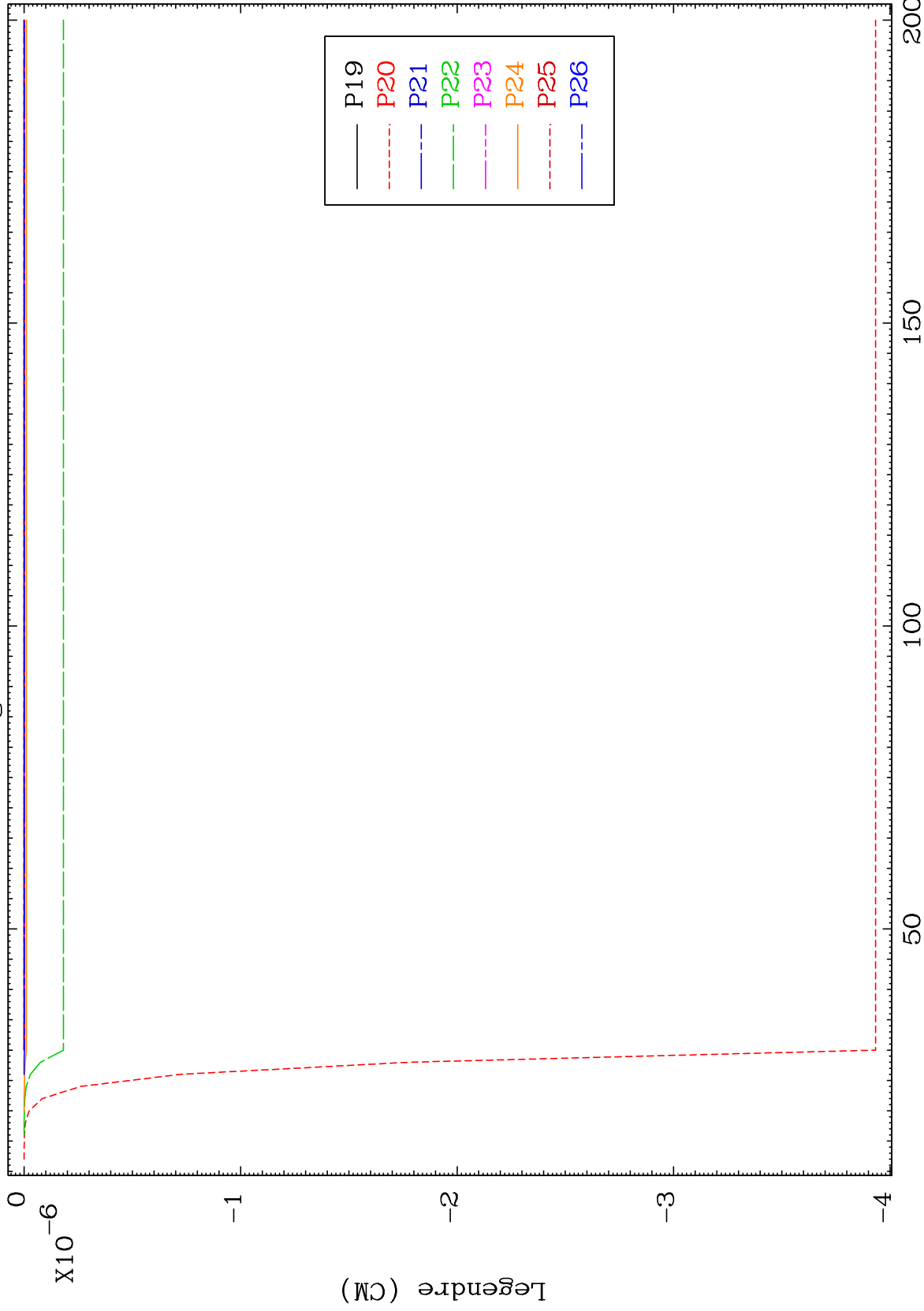
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



65

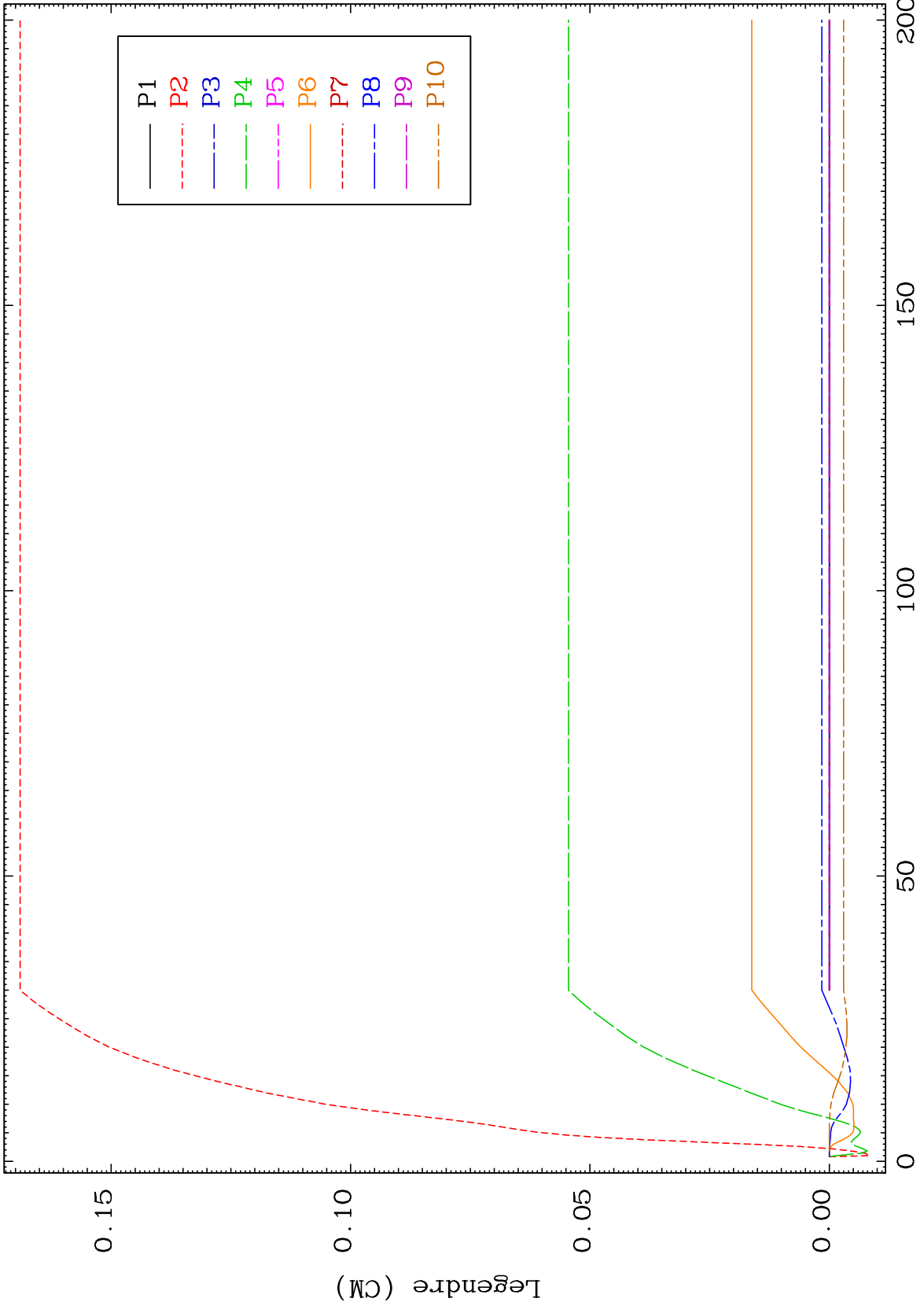
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



66

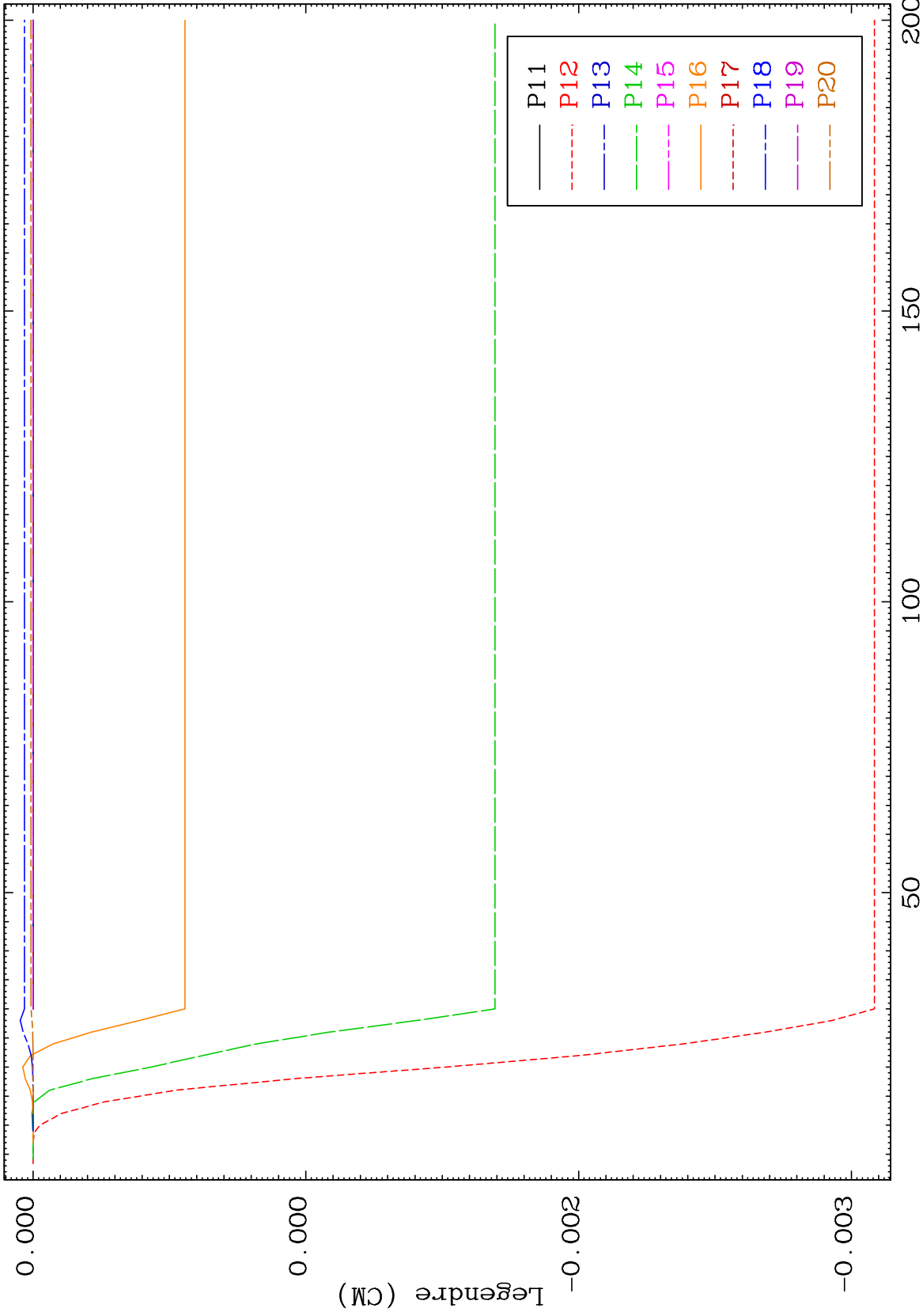
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



67

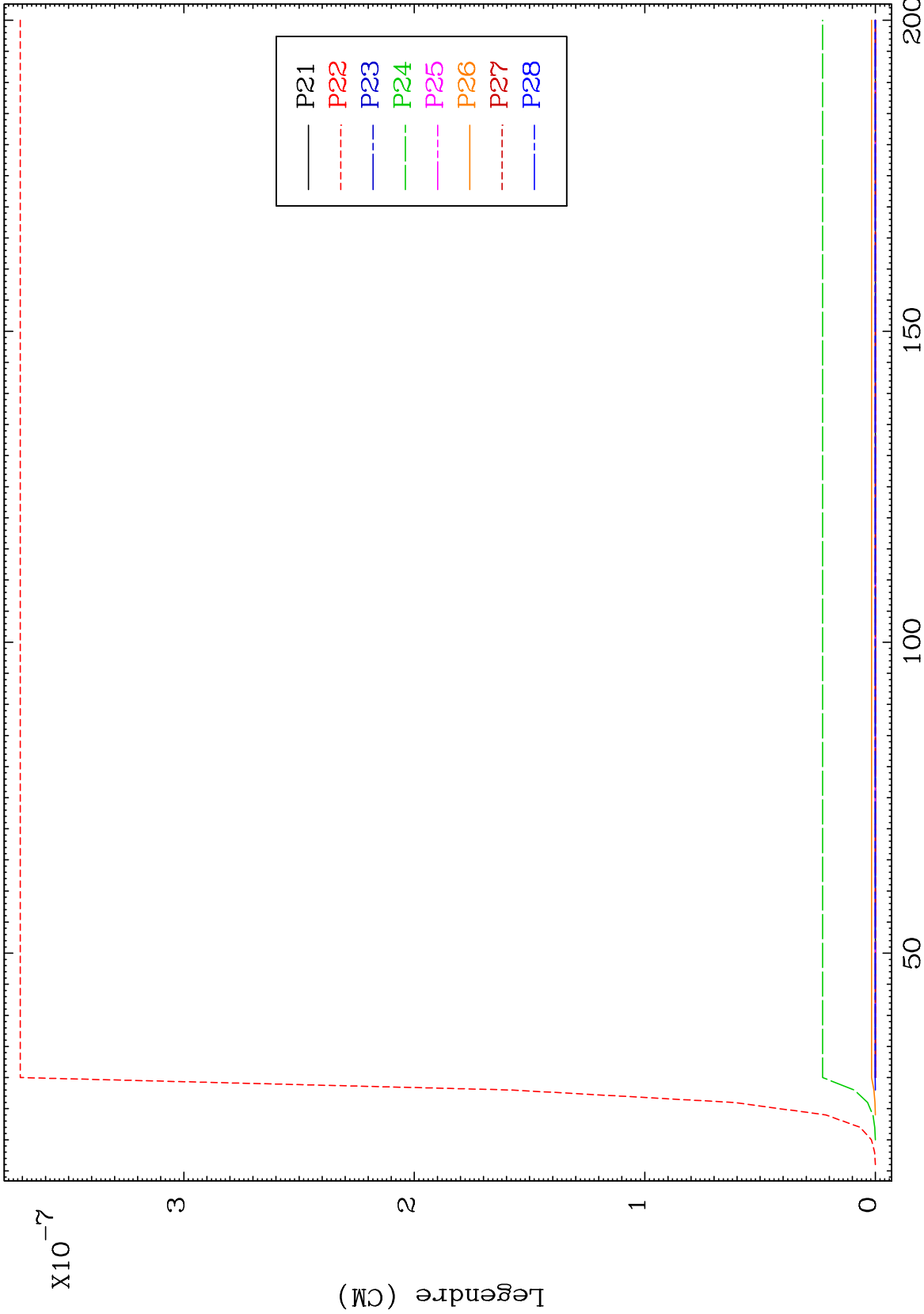
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



68

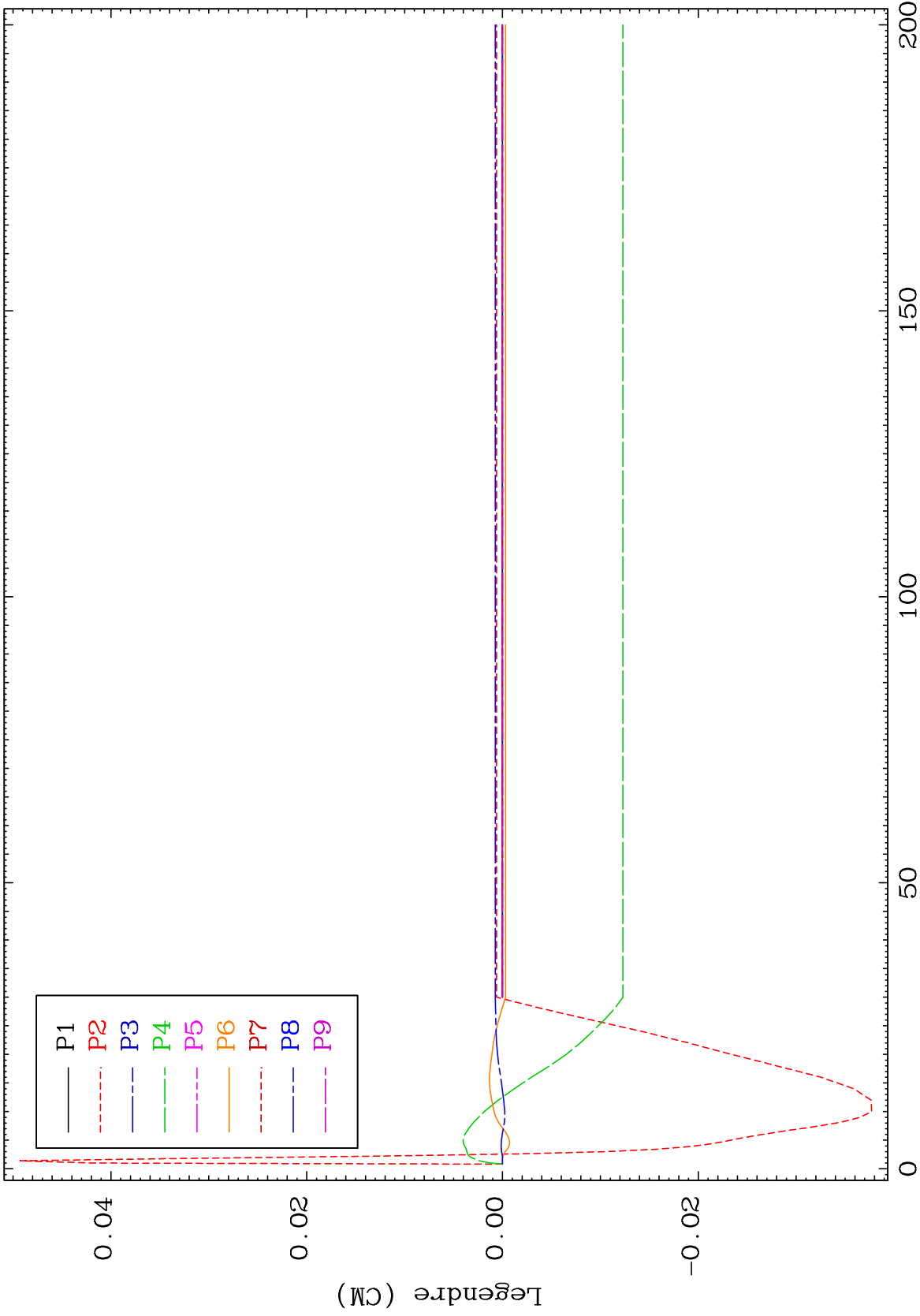
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



69

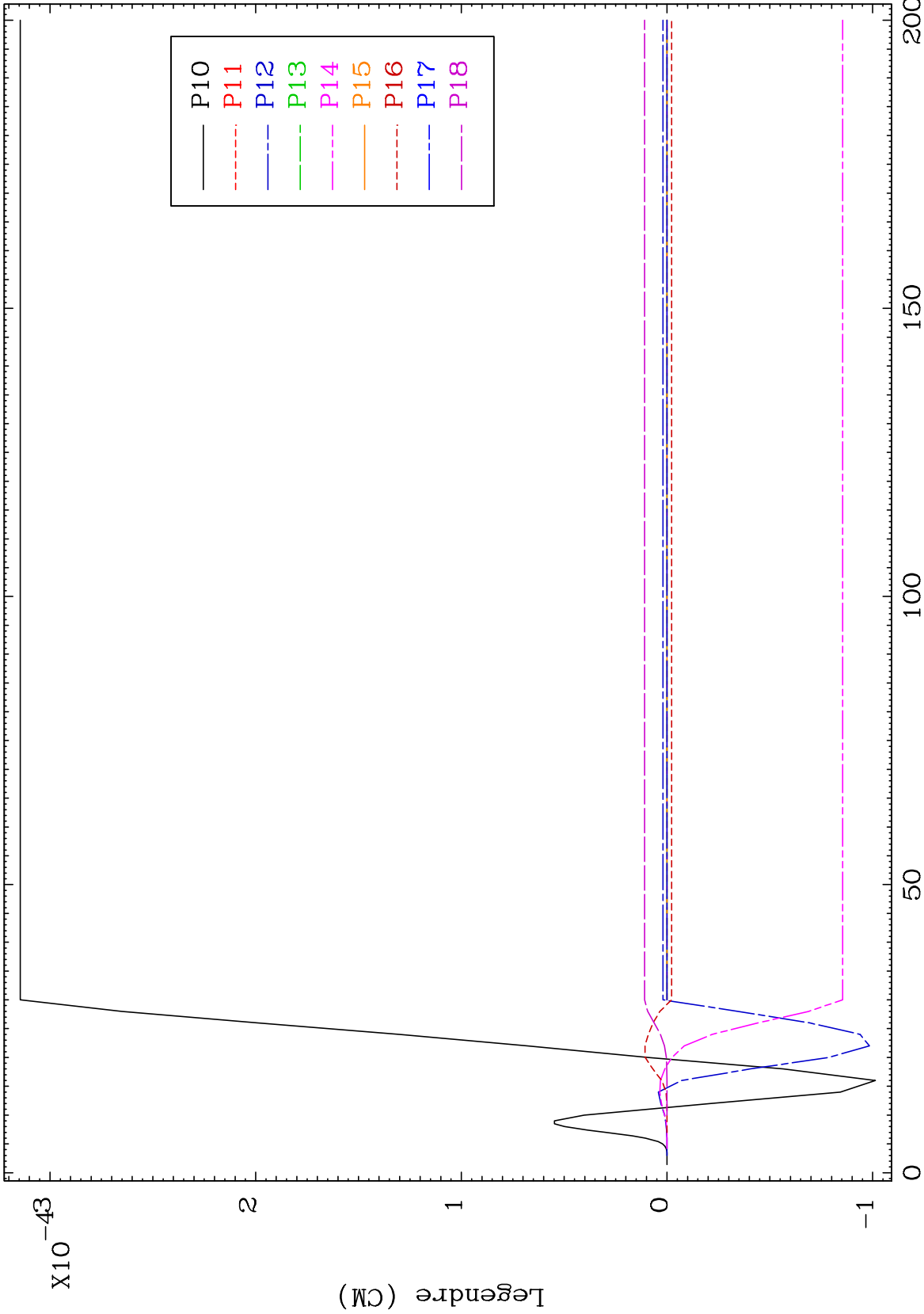
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



70

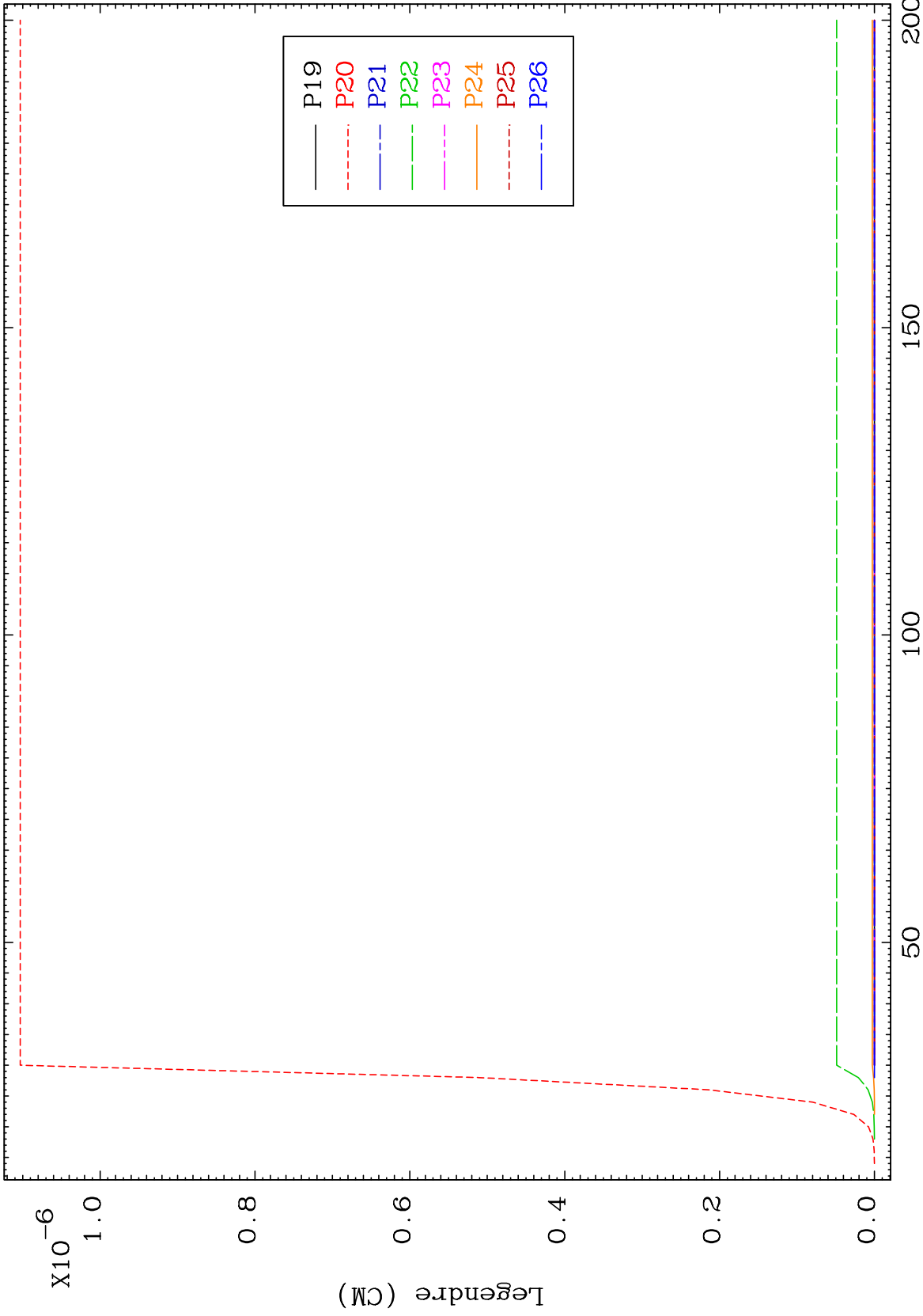
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



71

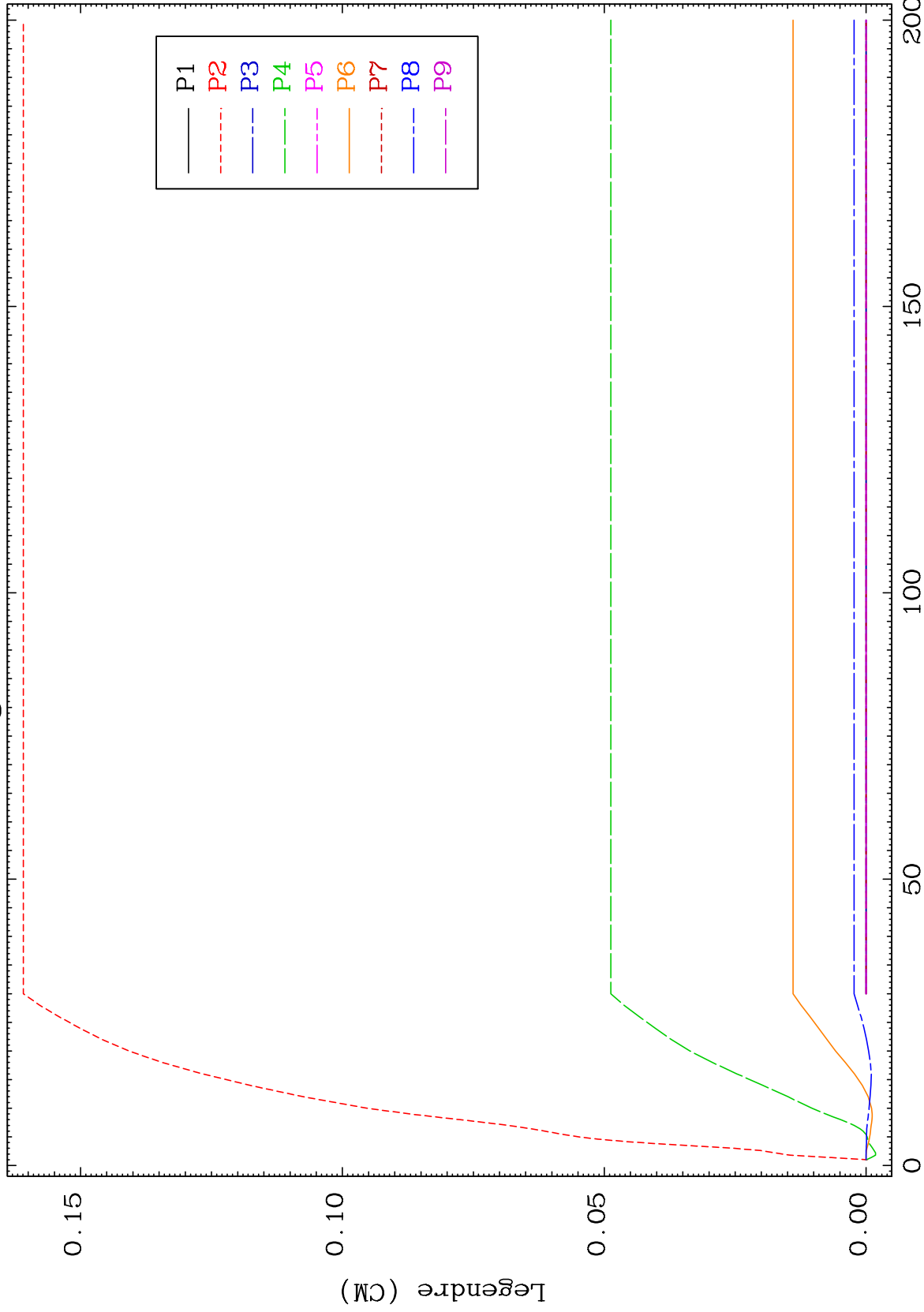
59-Pr-136



MAT 5910

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

59-Pr-136



72

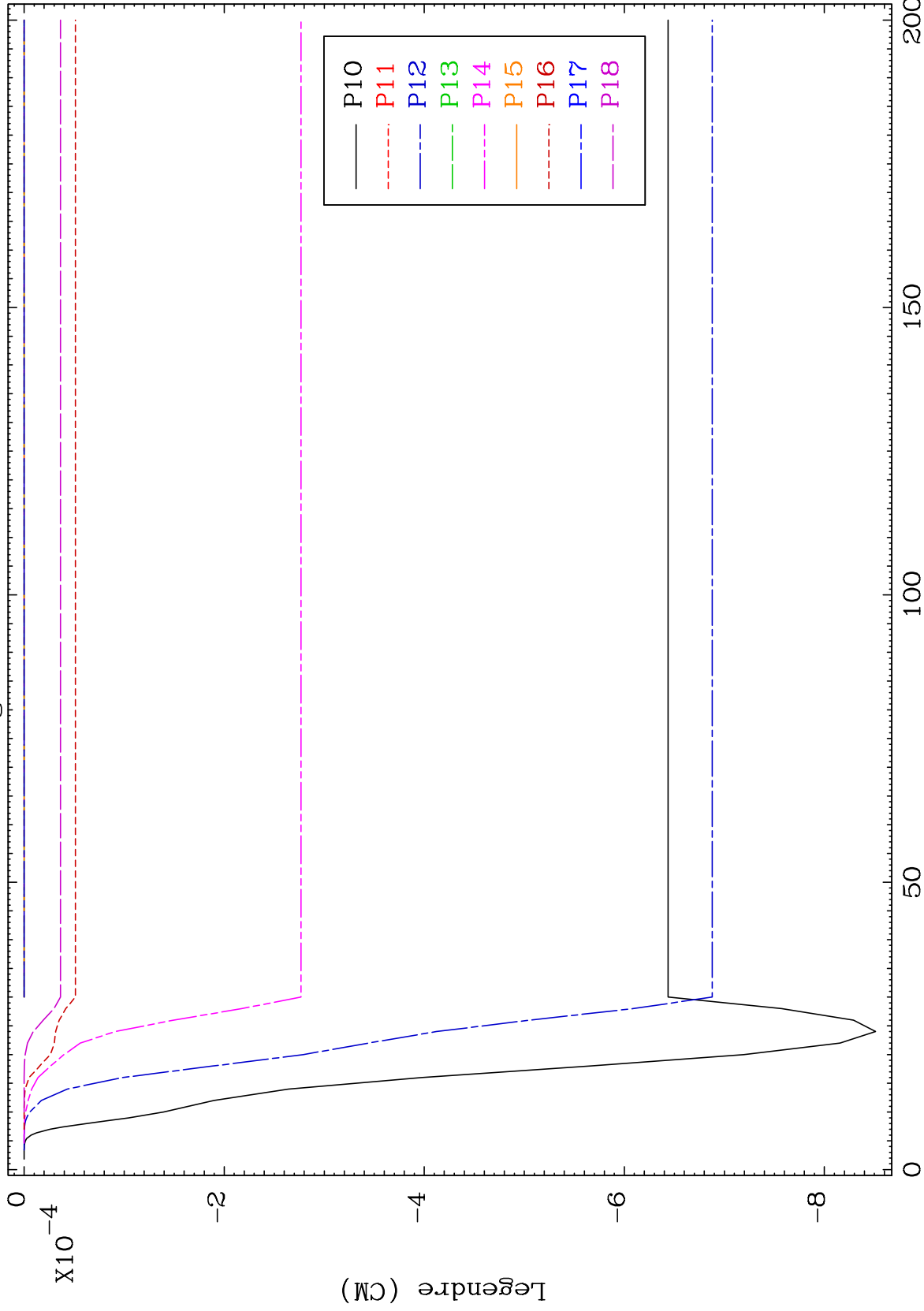
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



73

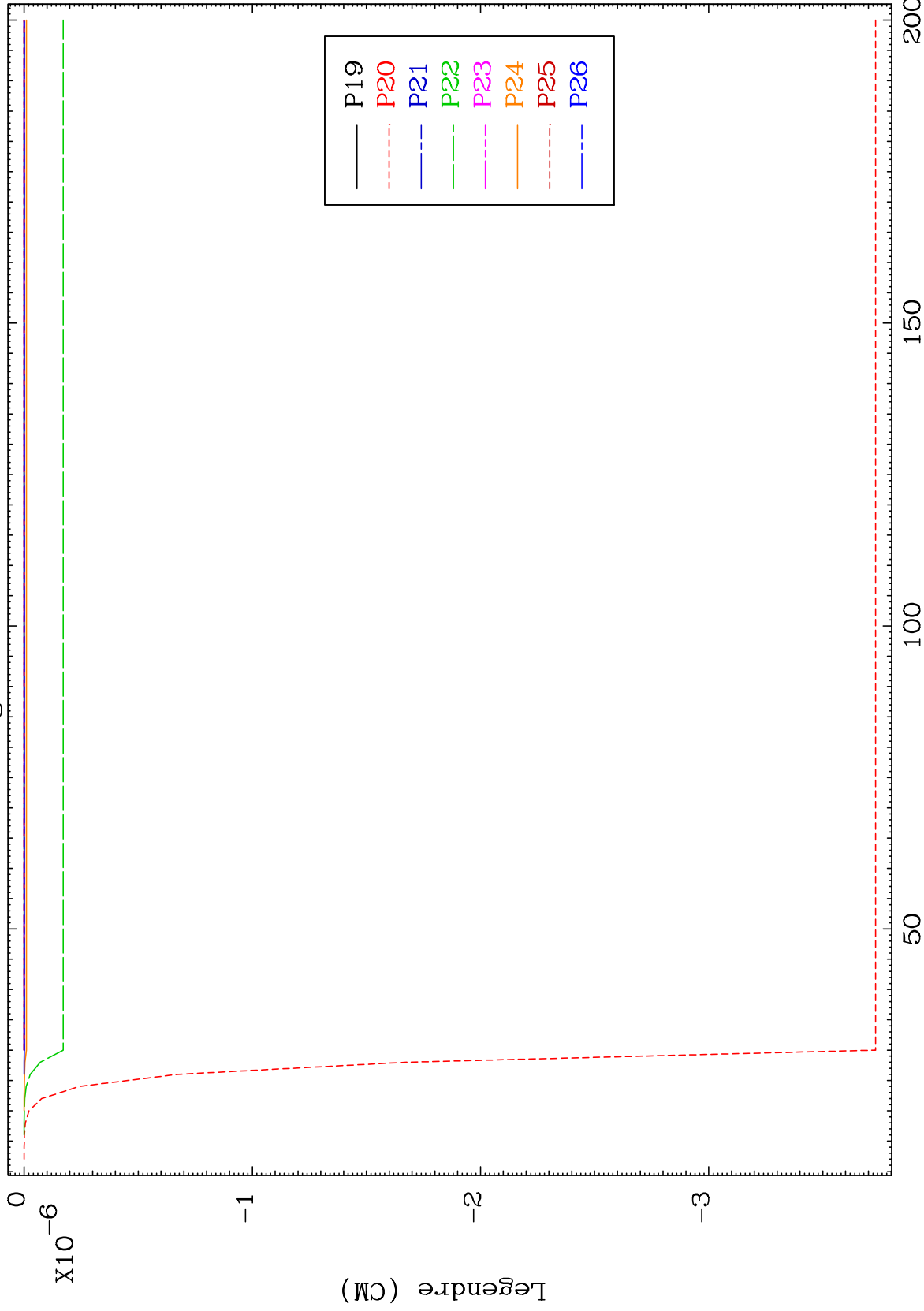
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



74

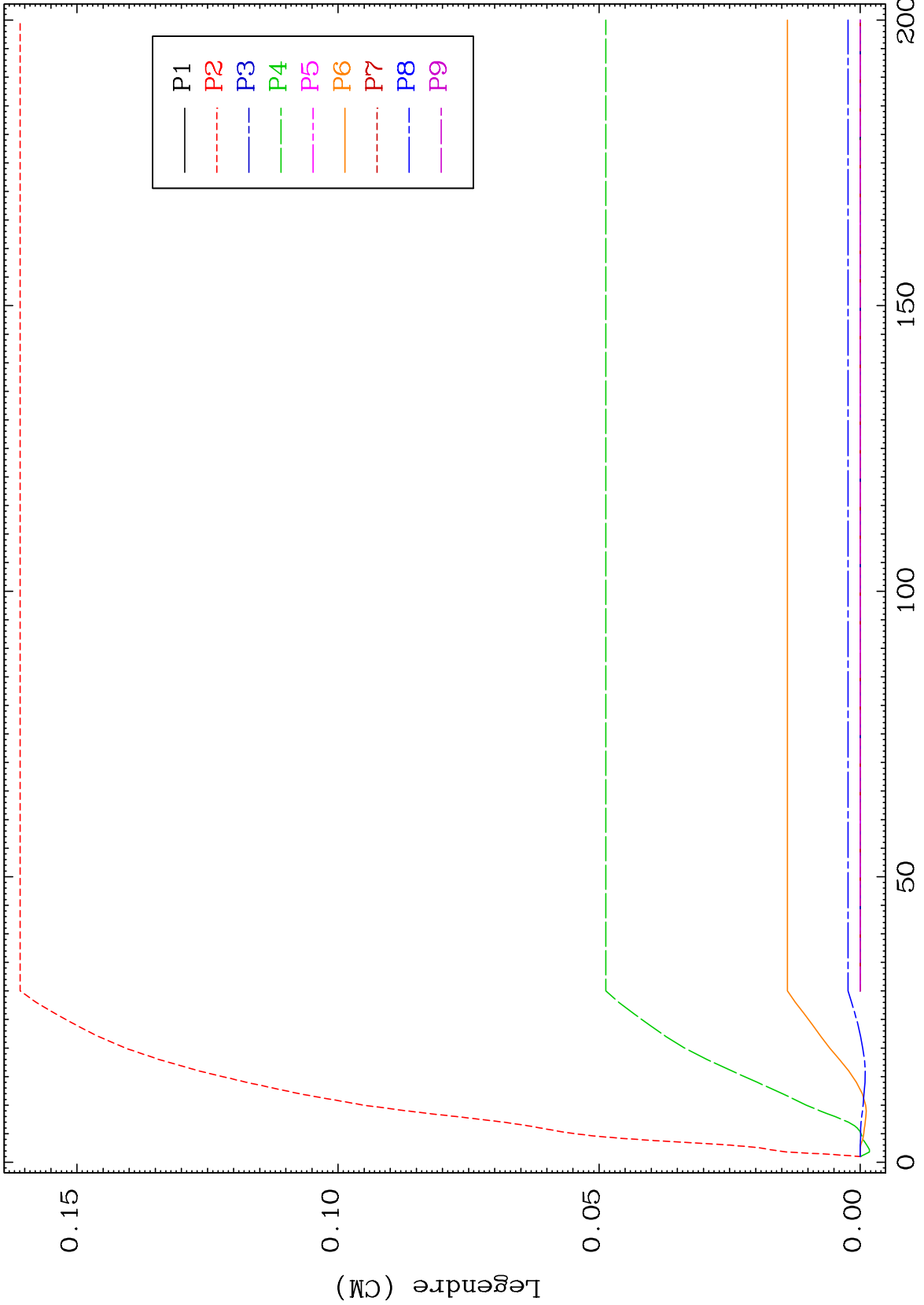
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



75

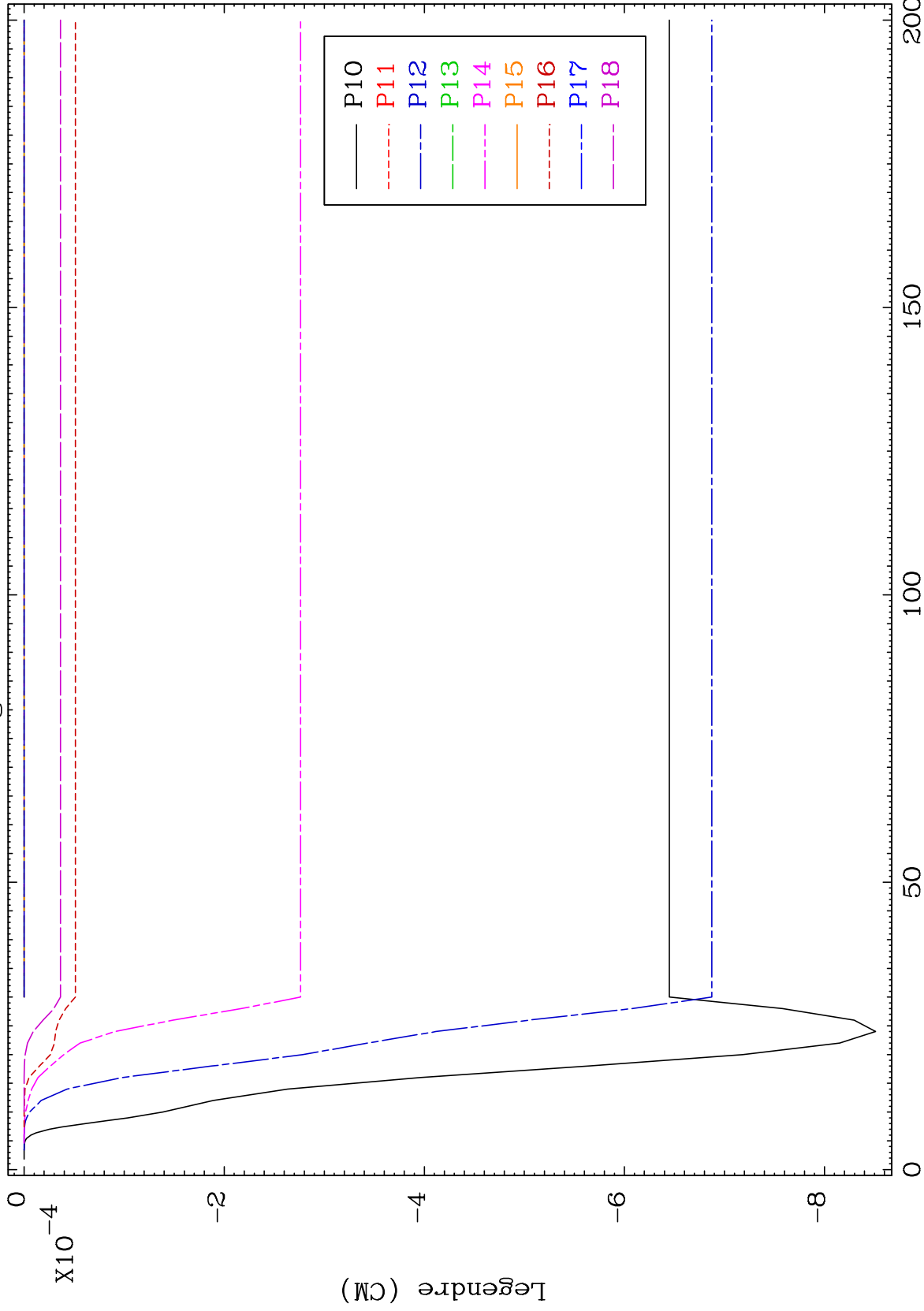
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

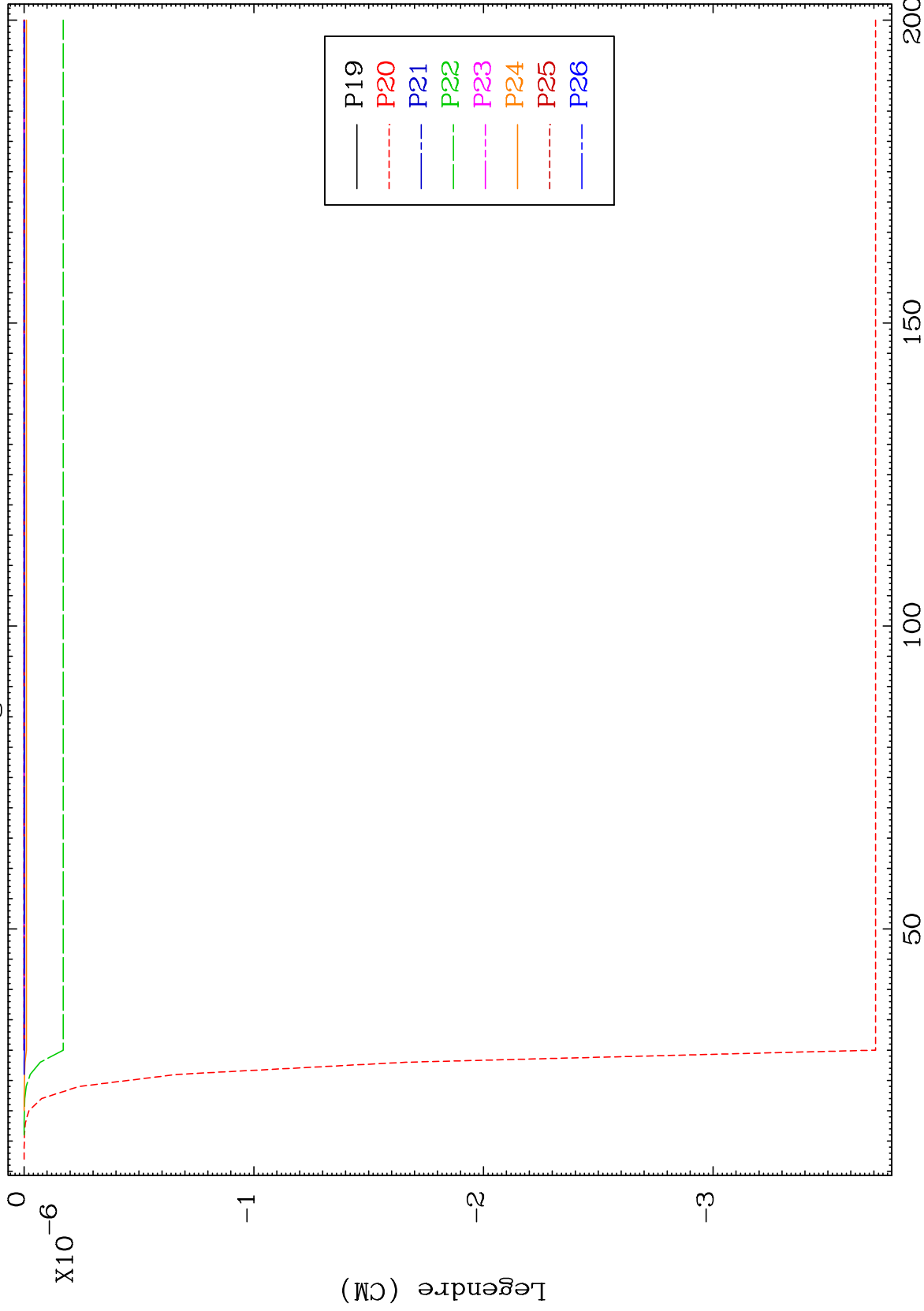
Incident Energy (MeV)

76

MAT 5910

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

59-Pr-136



77

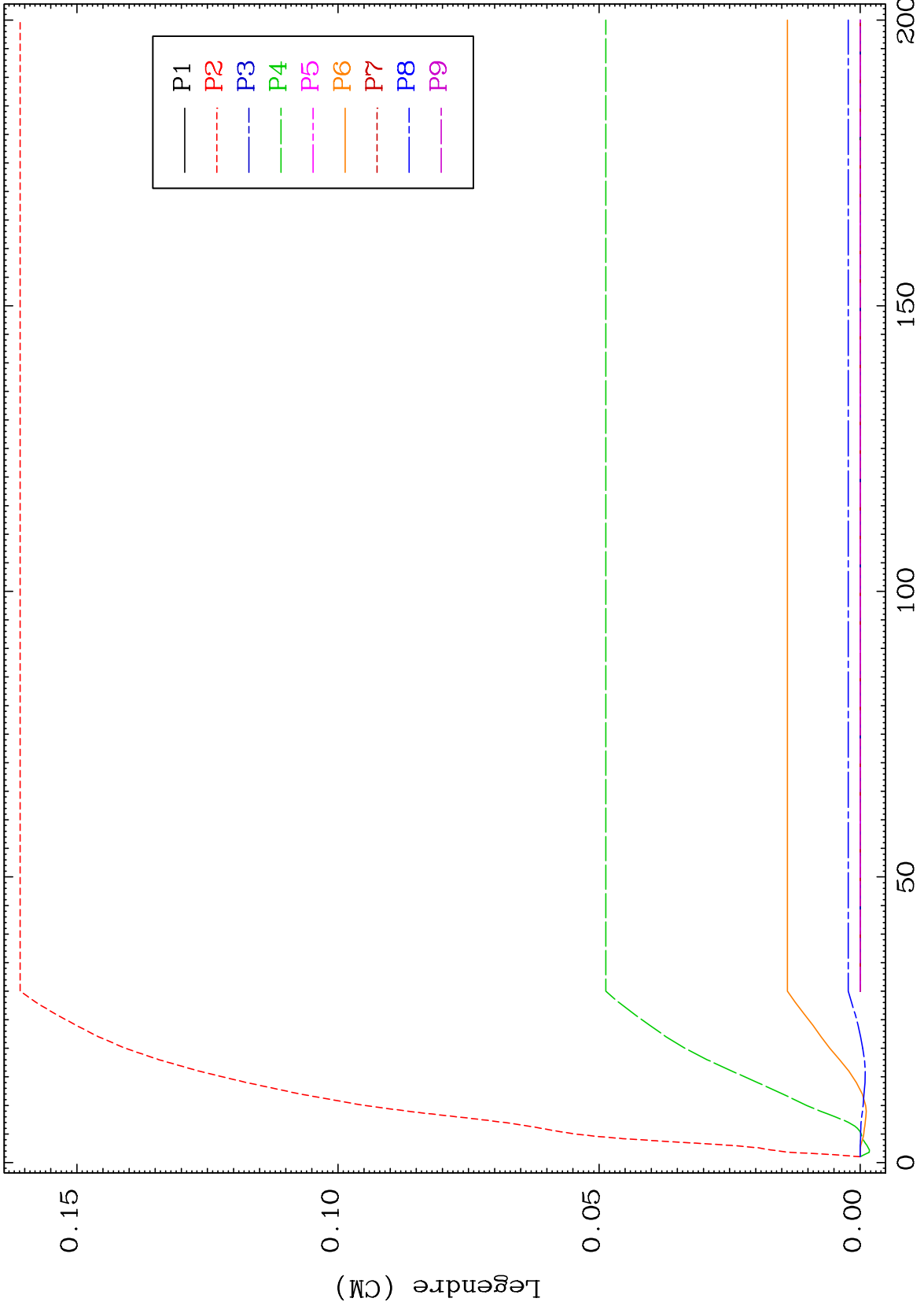
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



78

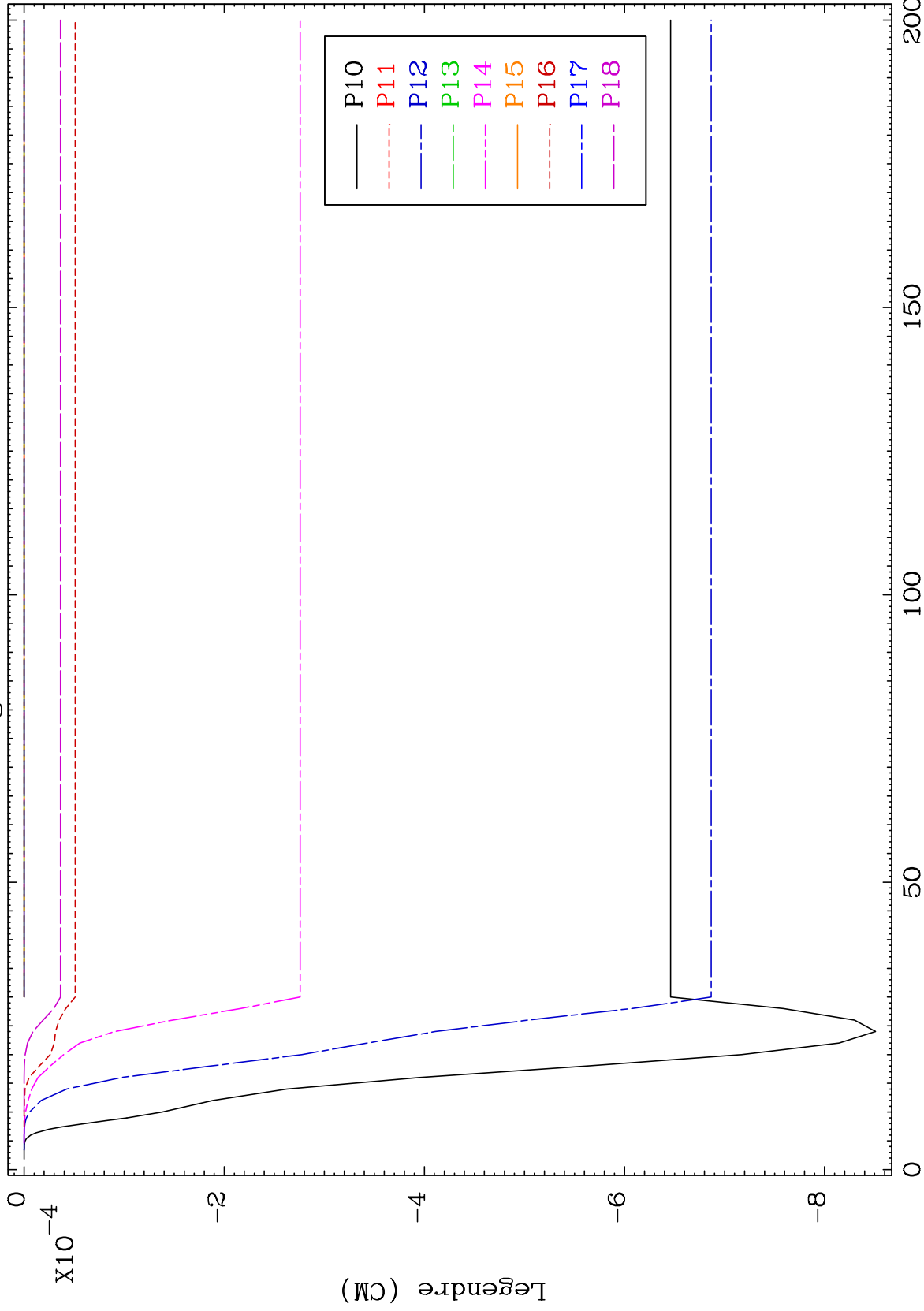
Incident Energy (MeV)

59-Pr-136

59-Pr-136

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

MAT 5910



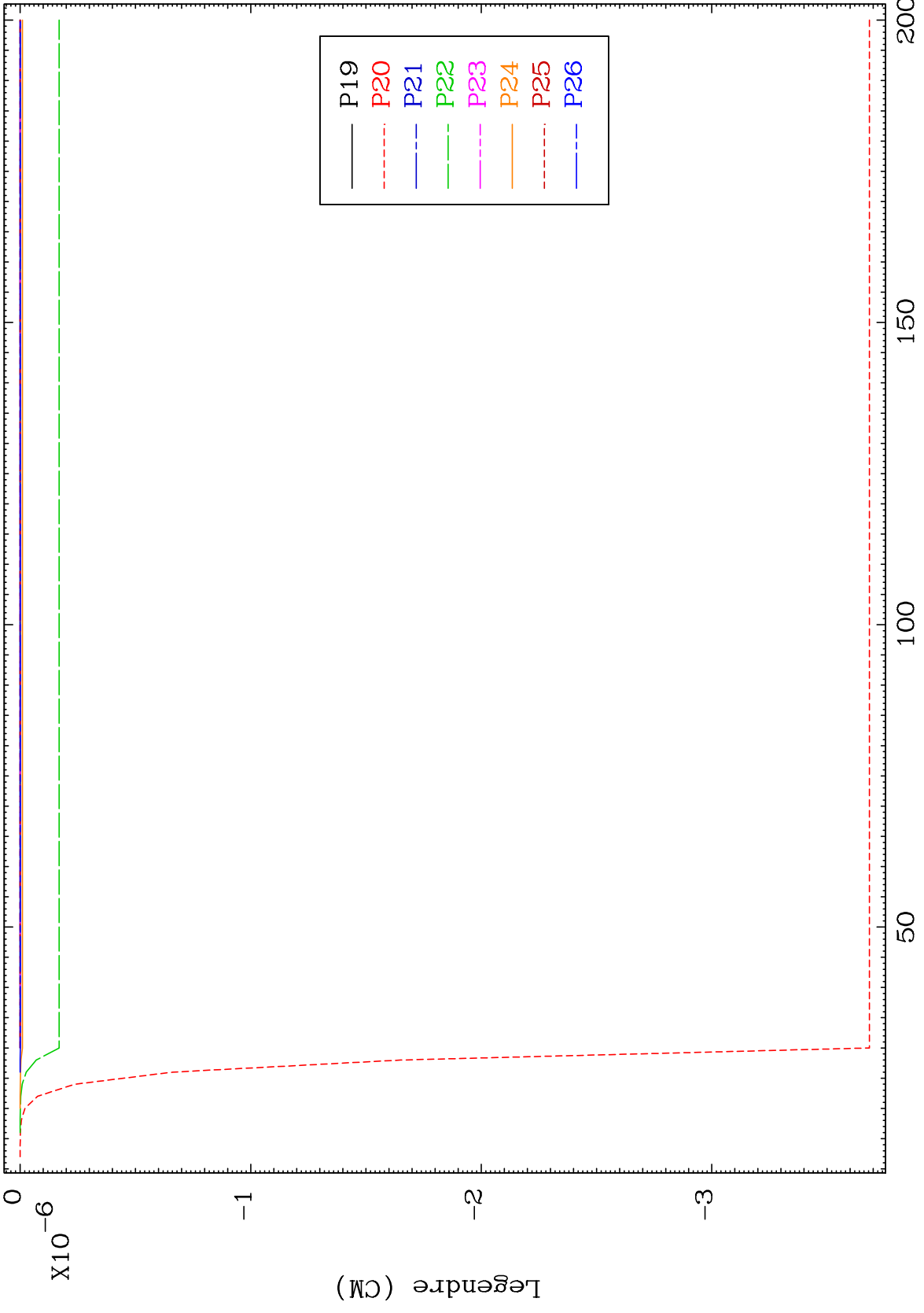
59-Pr-136

Incident Energy (MeV)

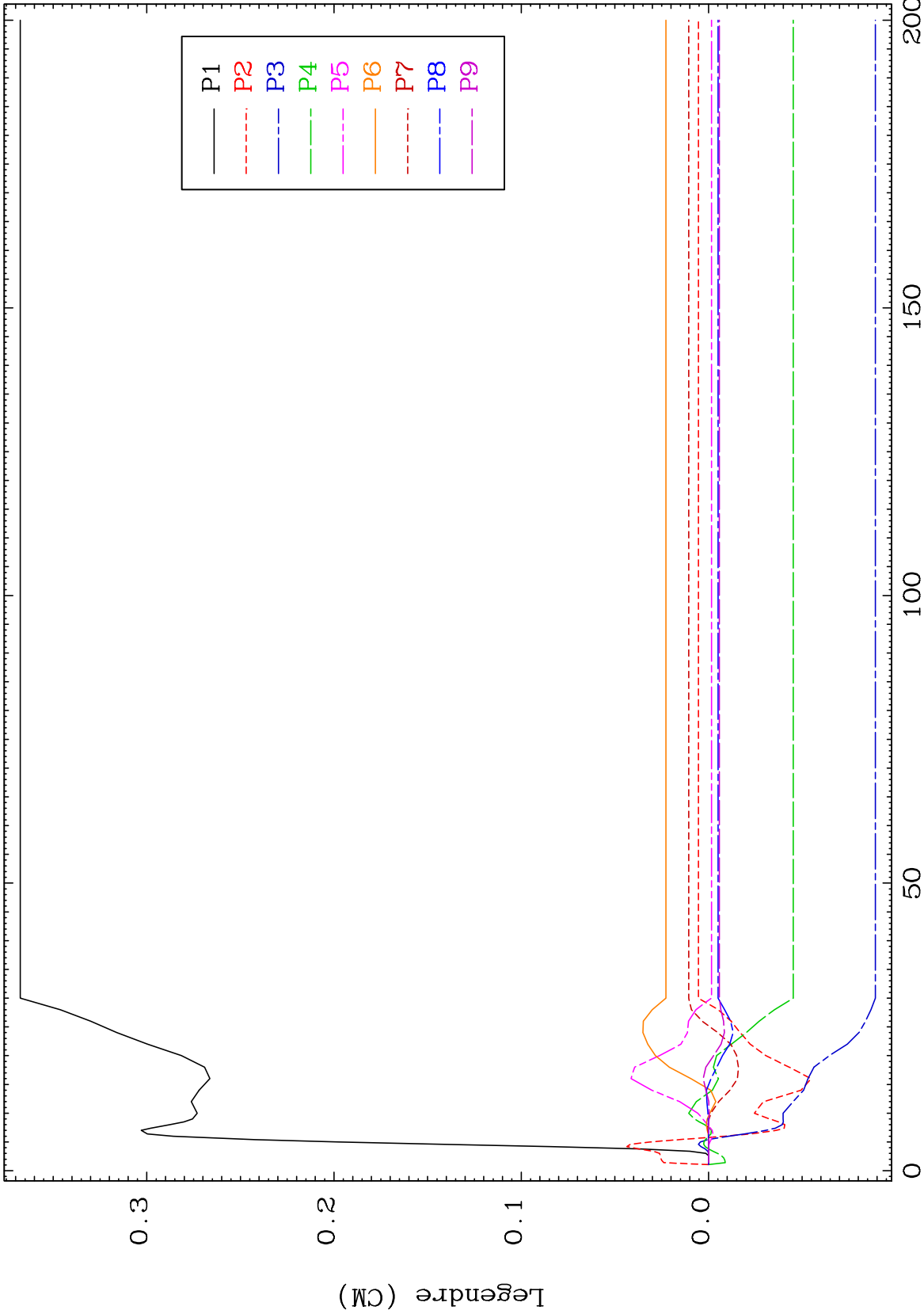
79



MAT 5910 MT= 69 (n,n') Level Legendre Coefficients 59-Pr-136



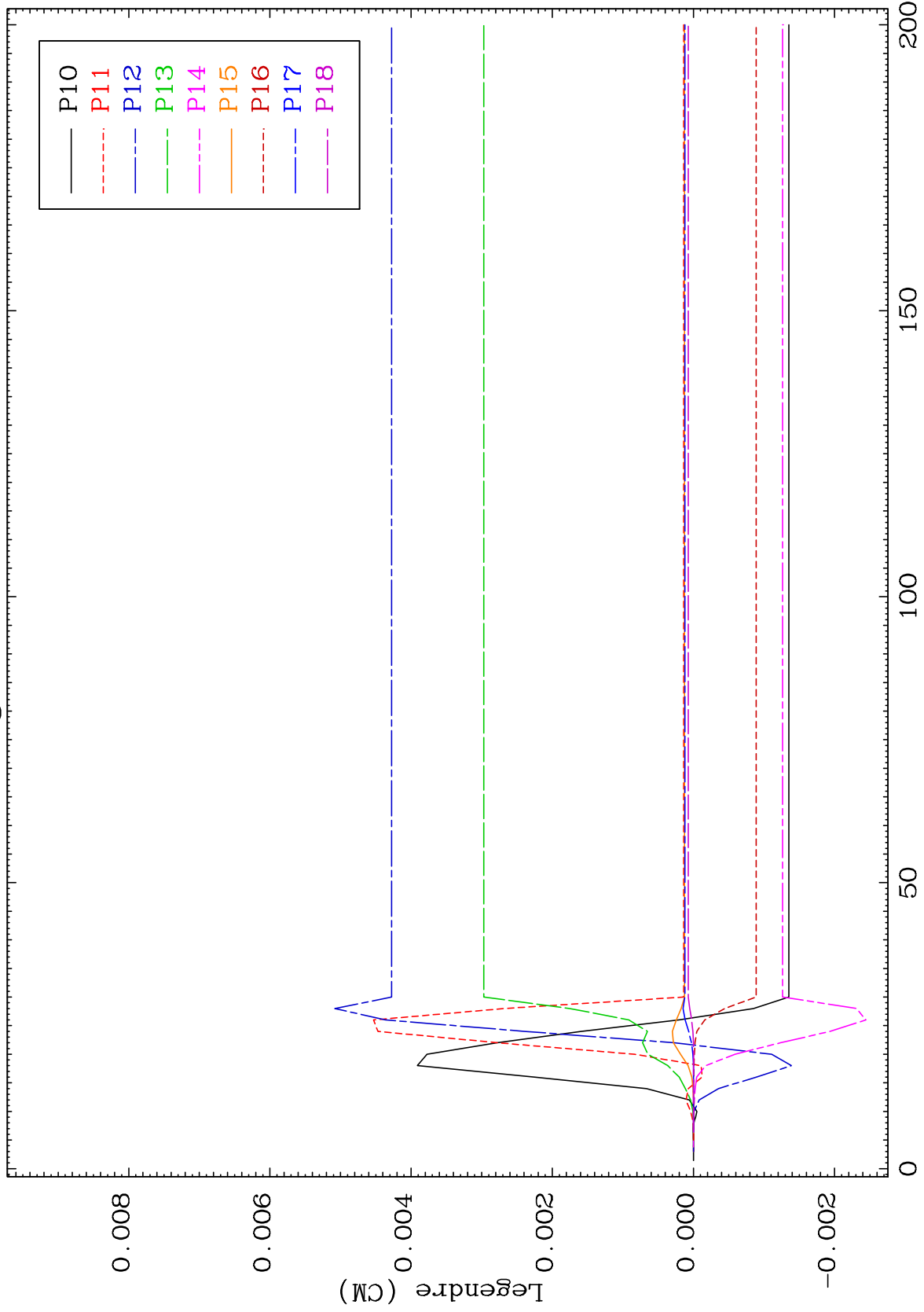
80 50 100 150 200 Incident Energy (MeV) 59-Pr-136



MAT 5910

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

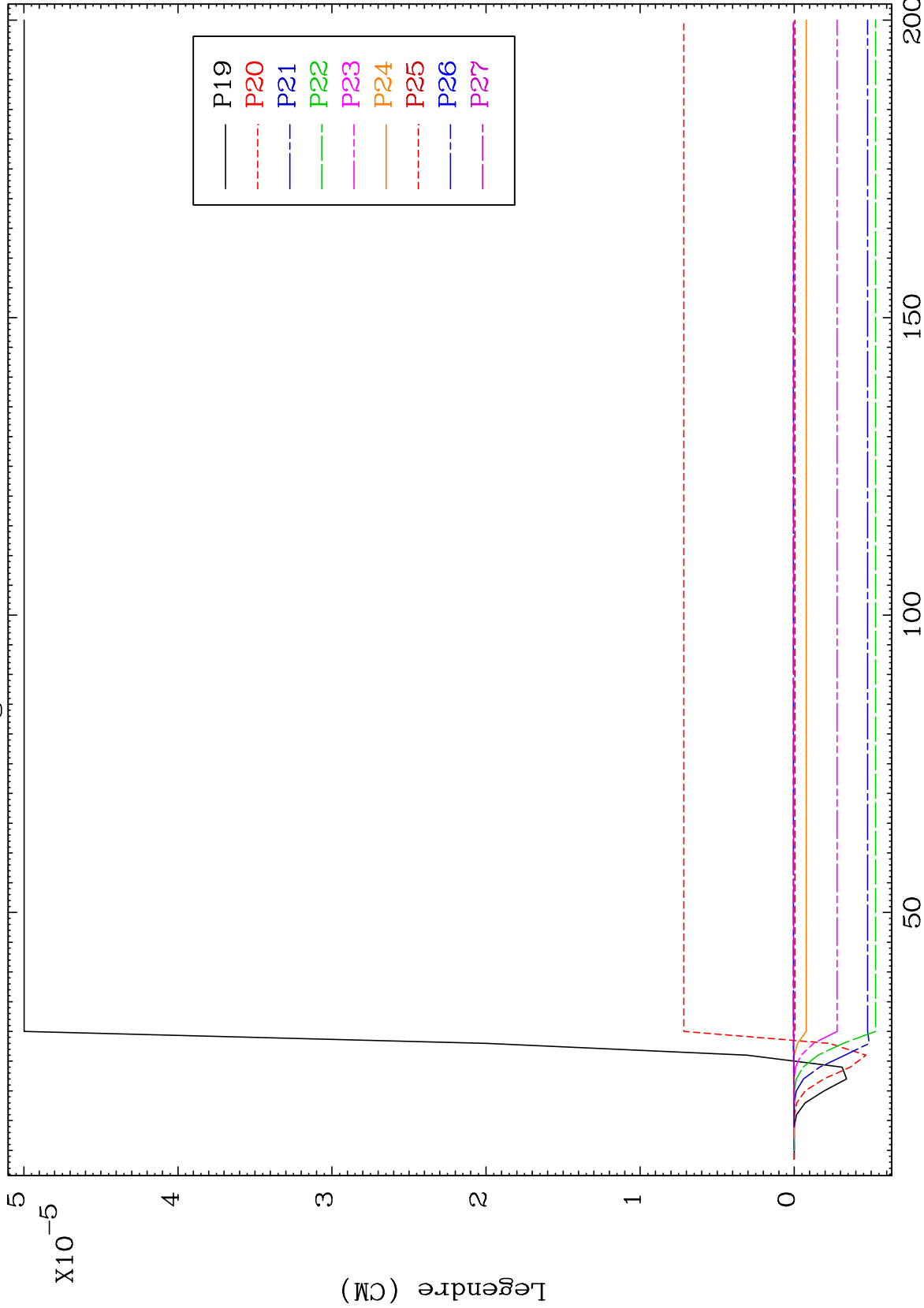
59-Pr-136

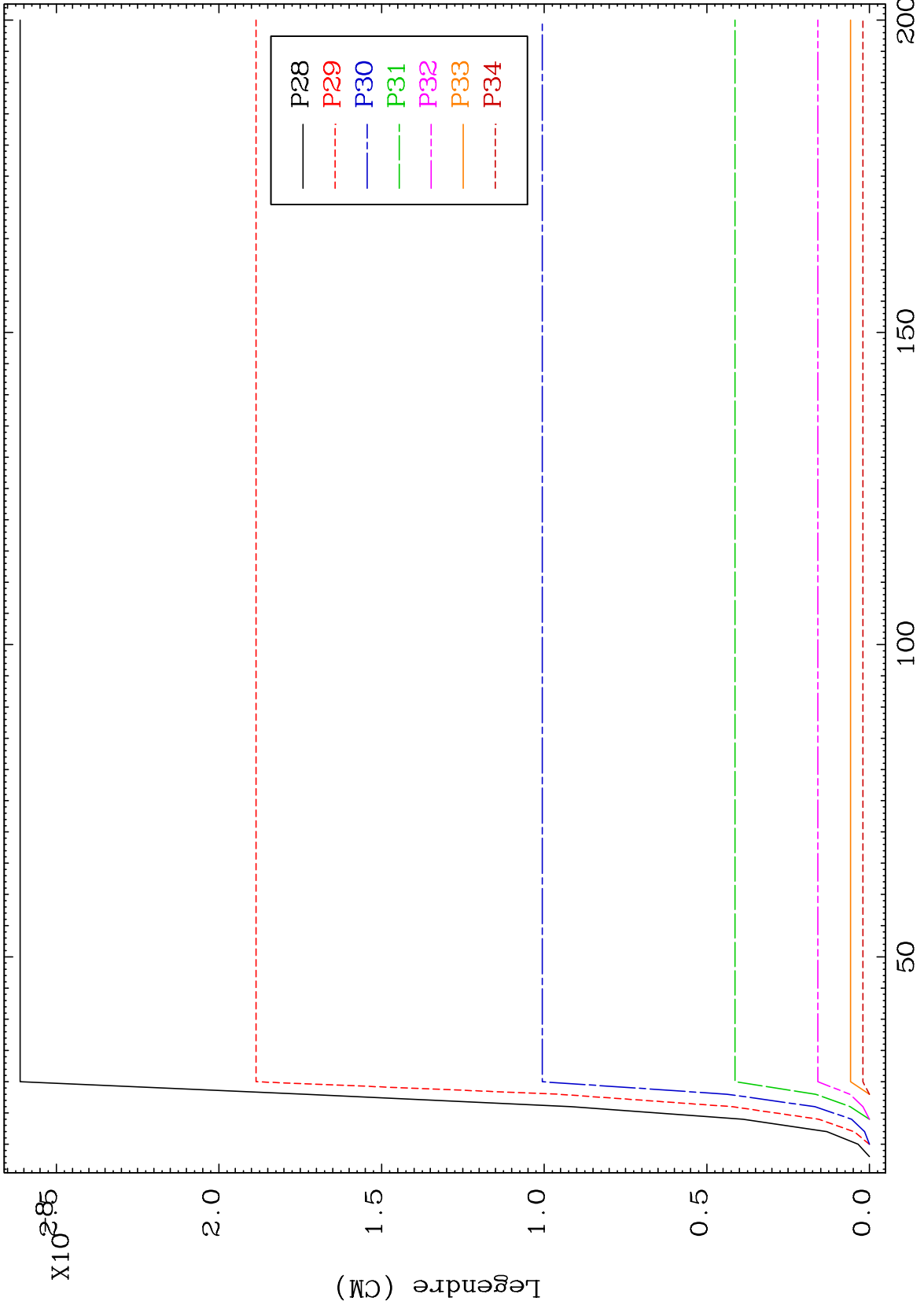


82

Incident Energy (MeV)

59-Pr-136

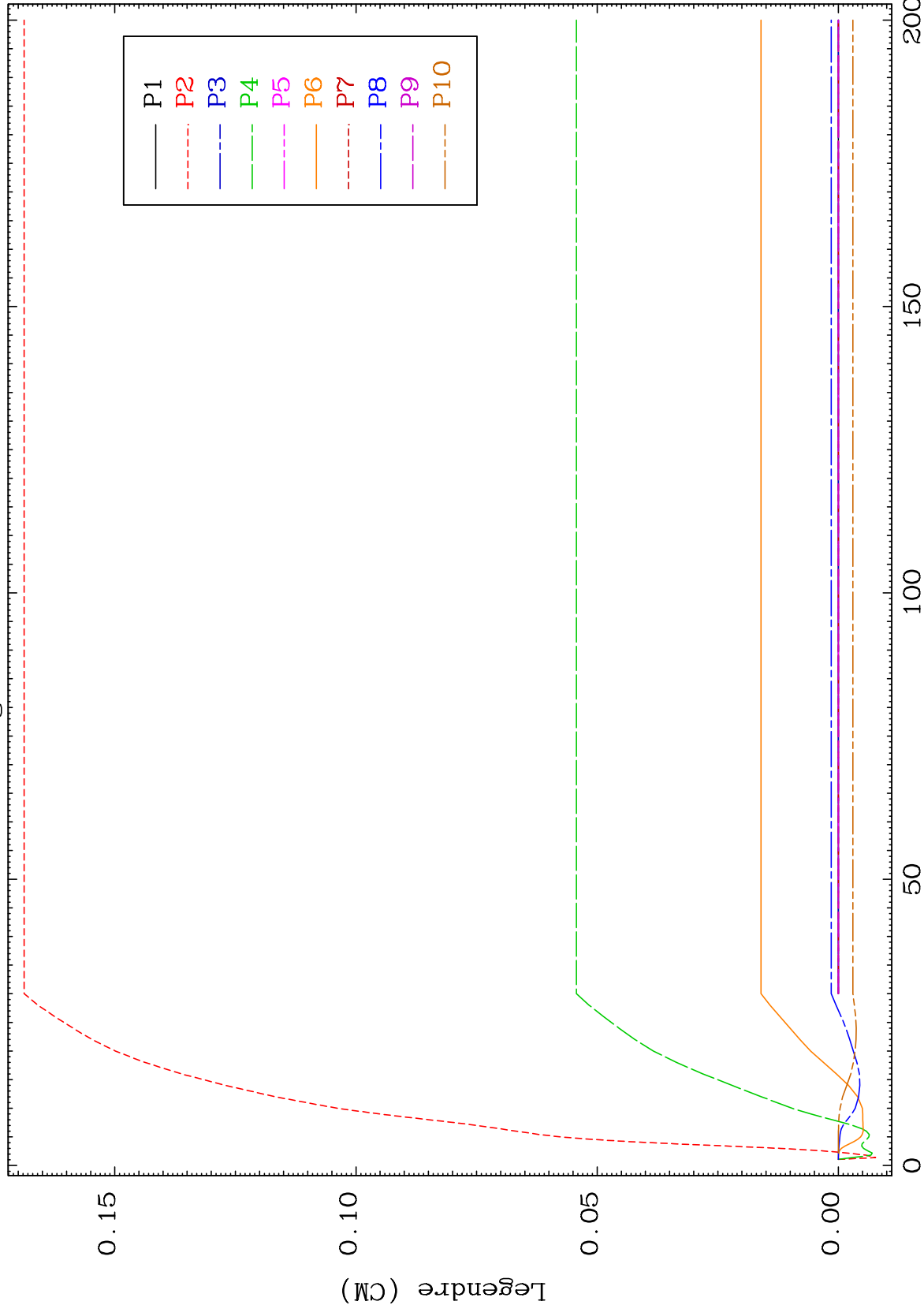




MAT 5910

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

59-Pr-136



85

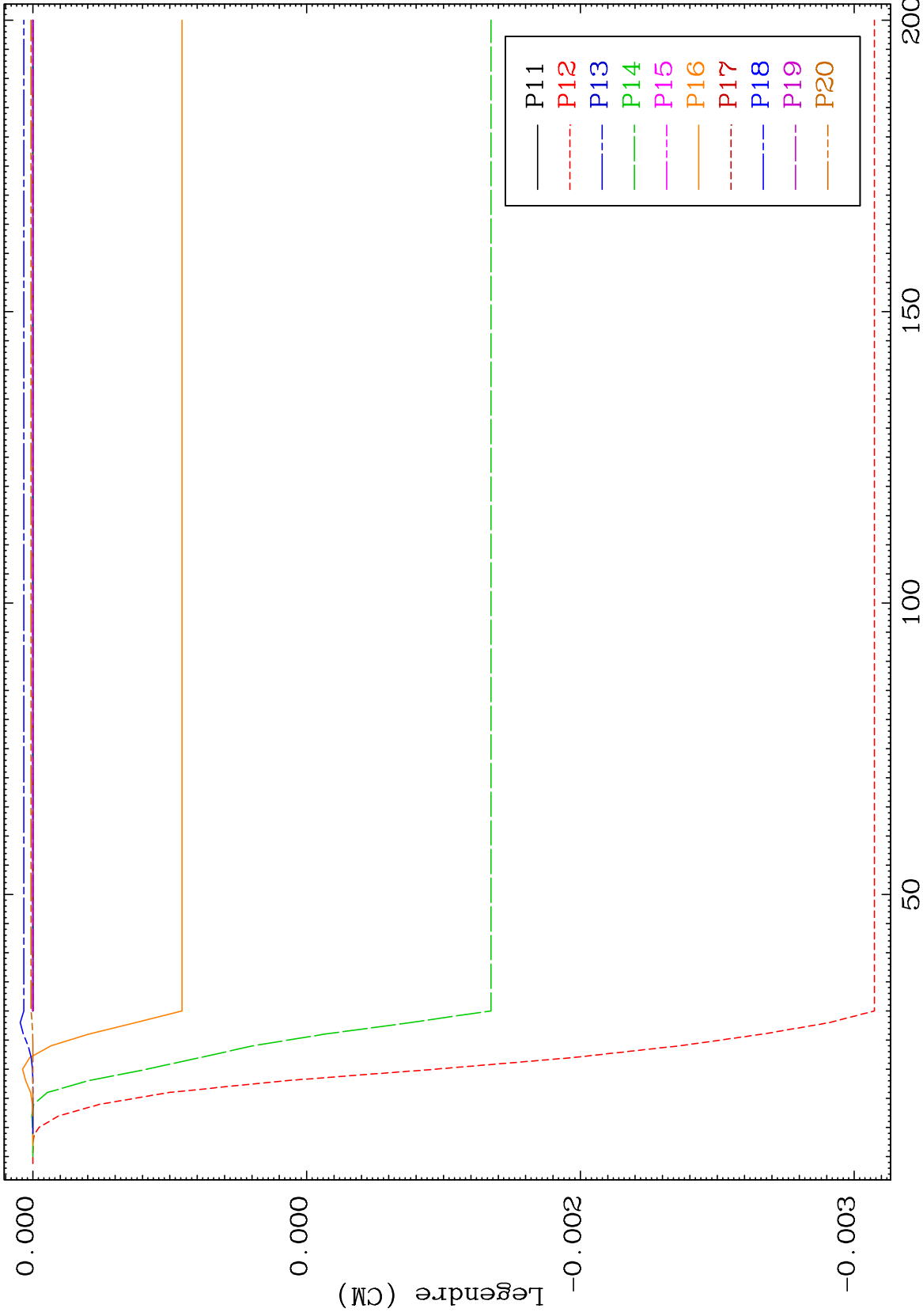
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



86

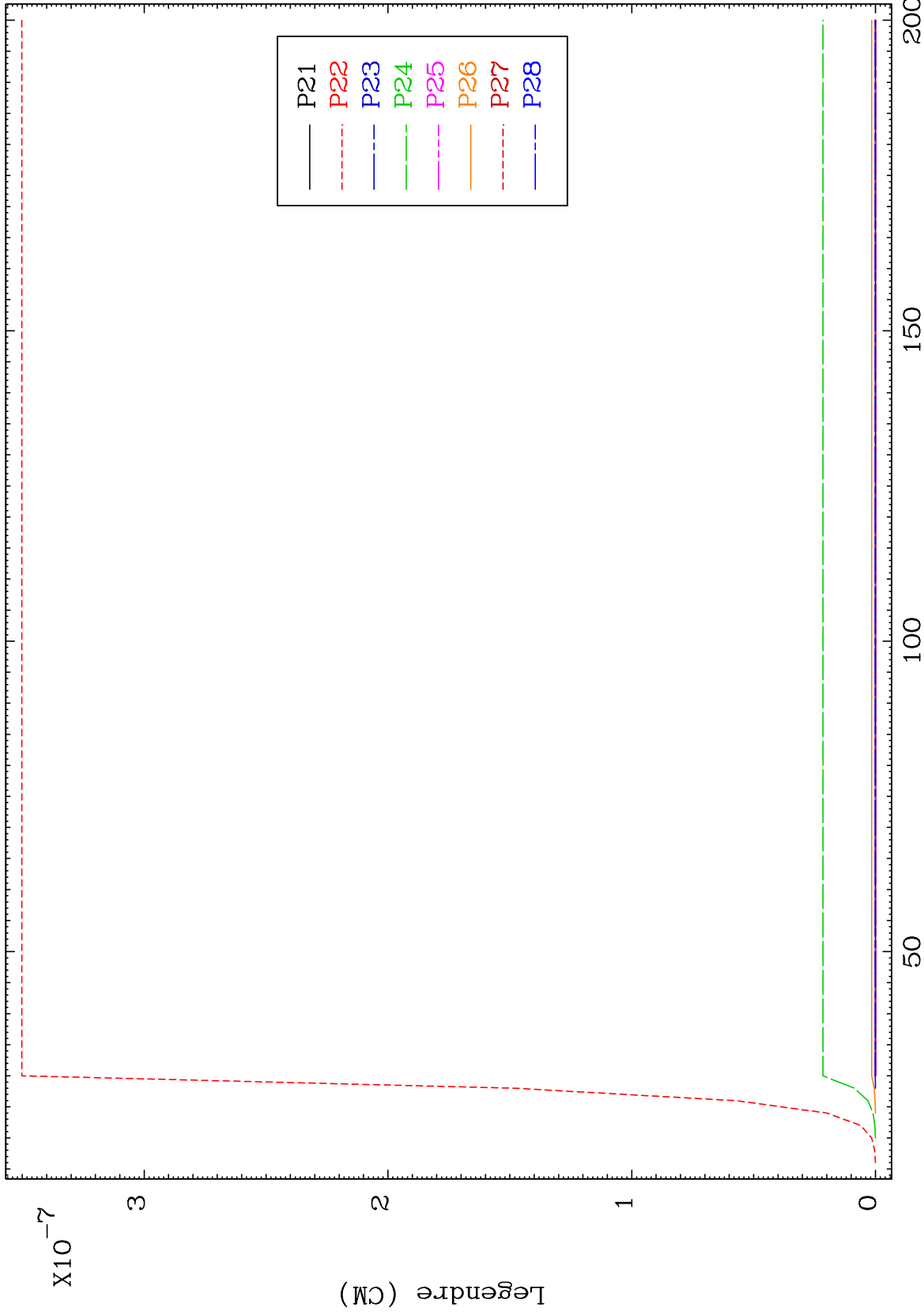
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



87

Incident Energy (MeV)

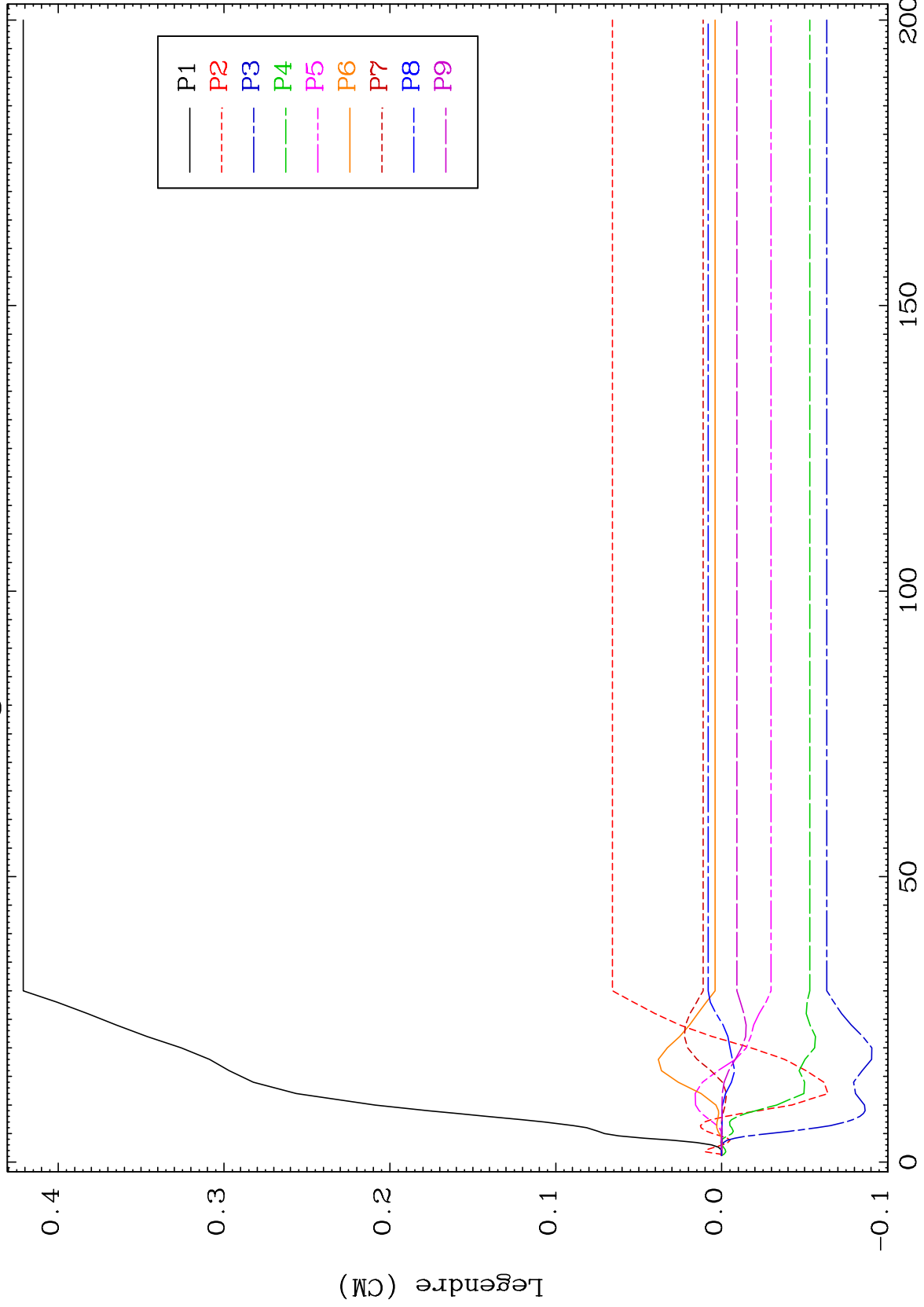
59-Pr-136



MAT 5910

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

59-Pr-136



88

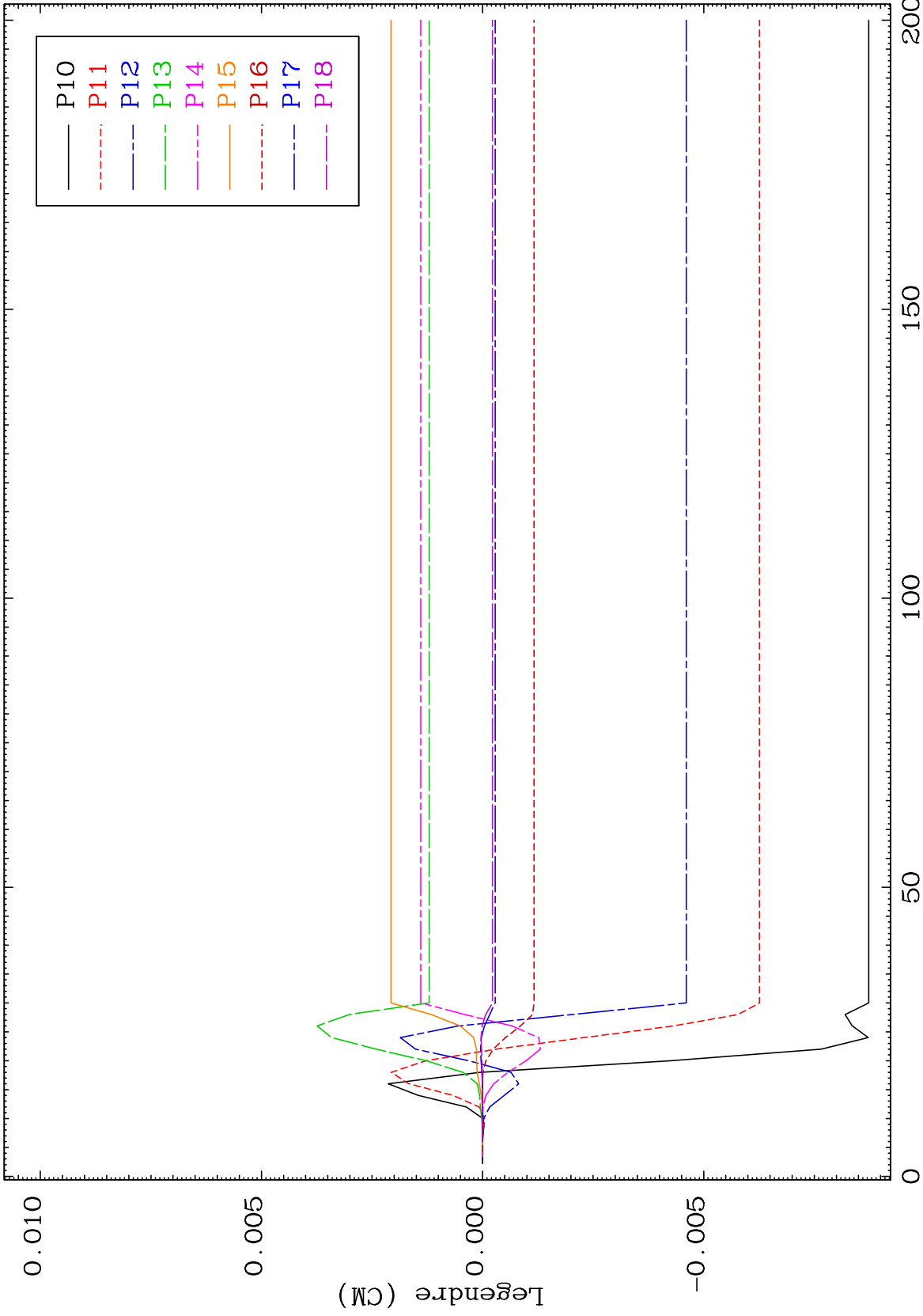
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



89

Incident Energy (MeV)

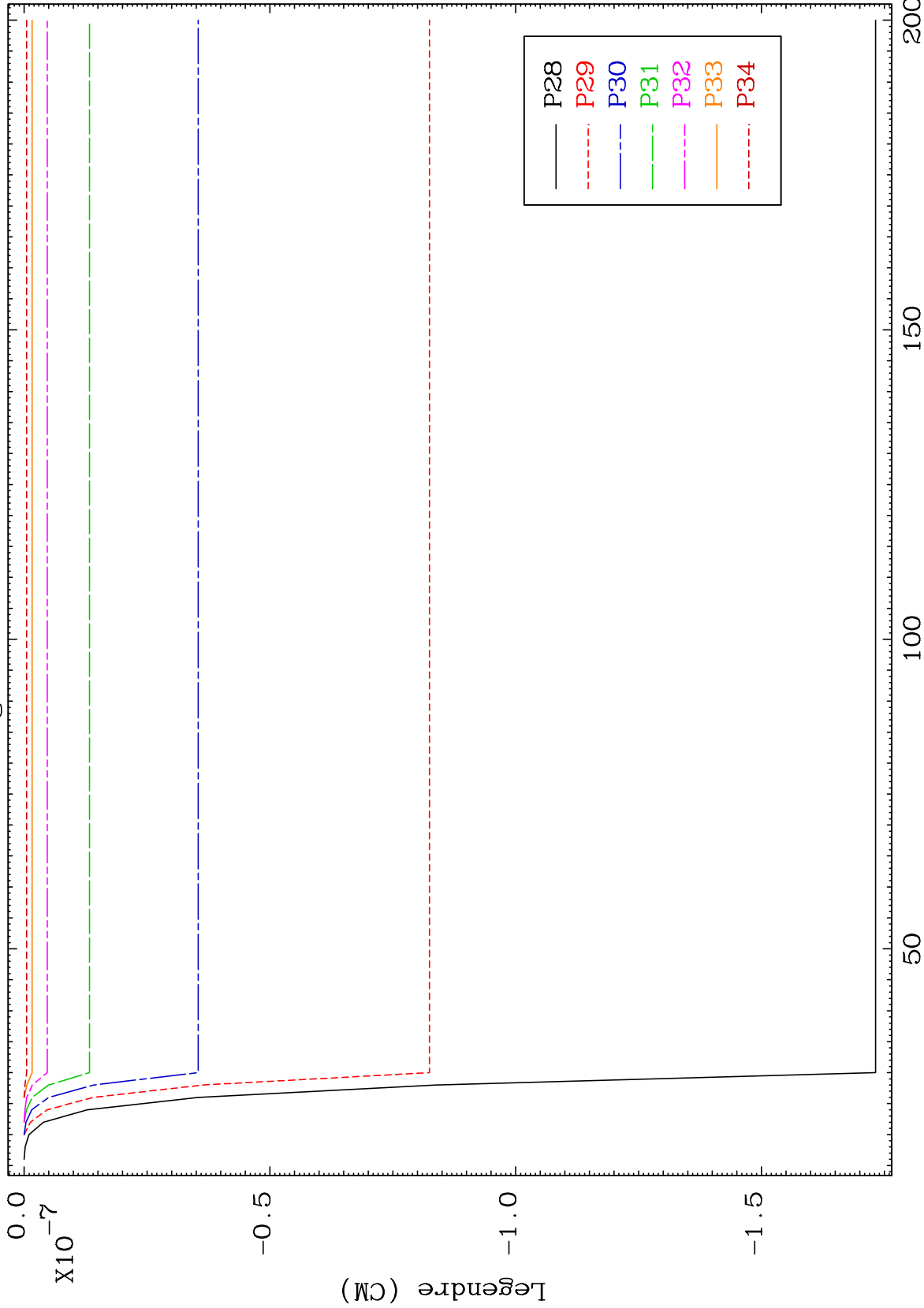
59-Pr-136



MAT 5910

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

59-Pr-136



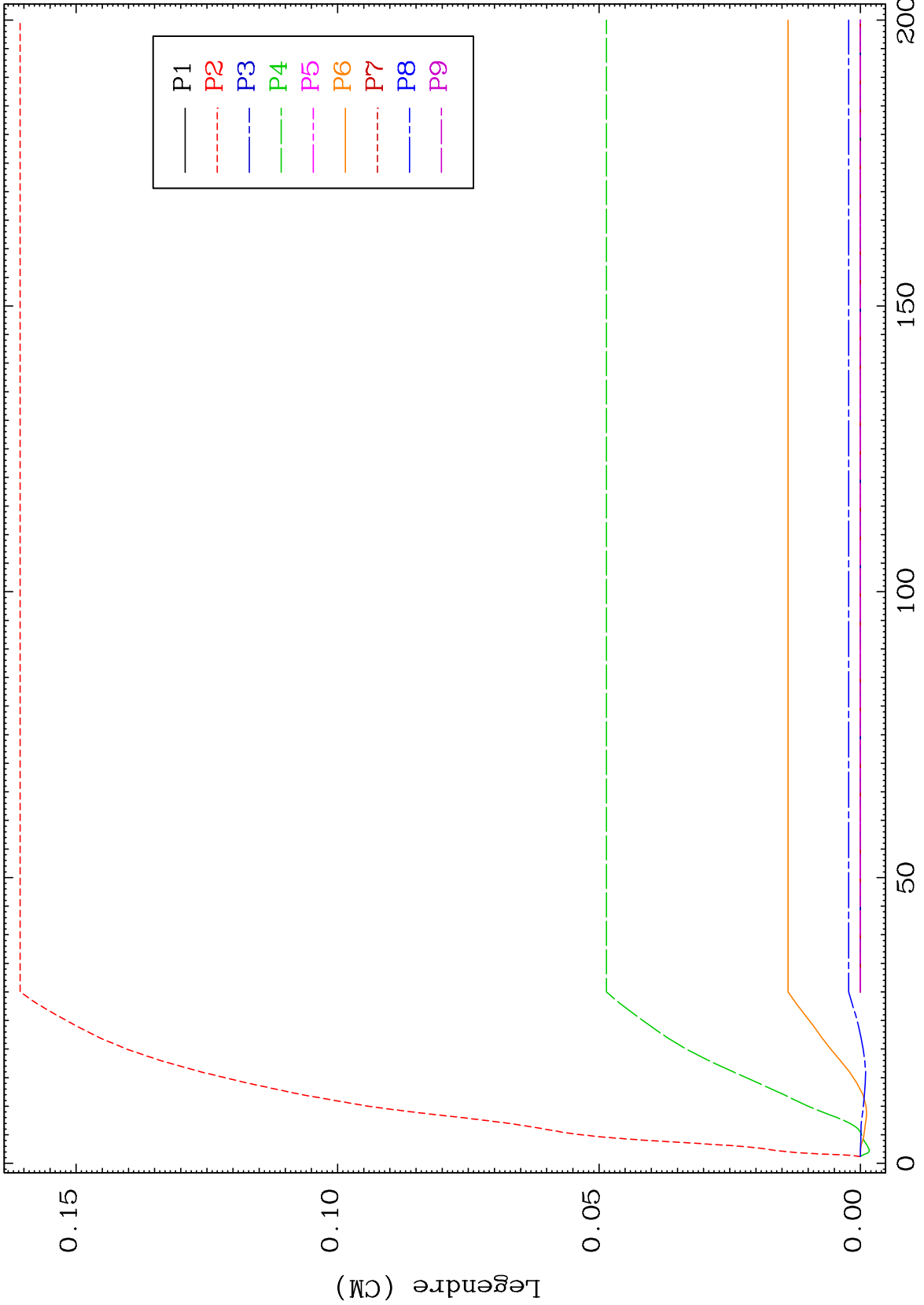
91

59-Pr-136

MAT 5910

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

59-Pr-136

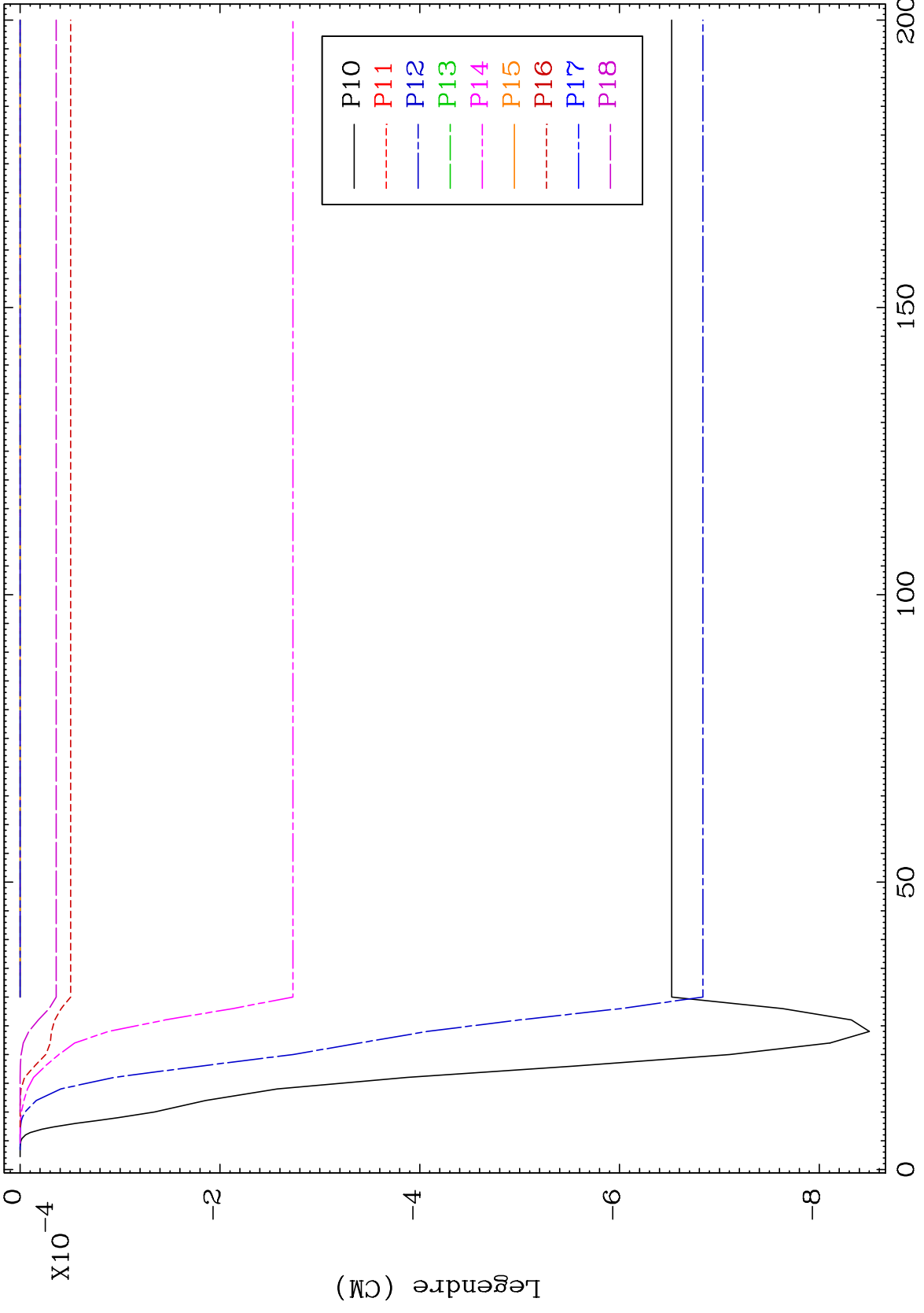


92

Incident Energy (MeV)

59-Pr-136

MAT 5910 MT= 73 (n,n') Level Legendre Coefficients 59-Pr-136

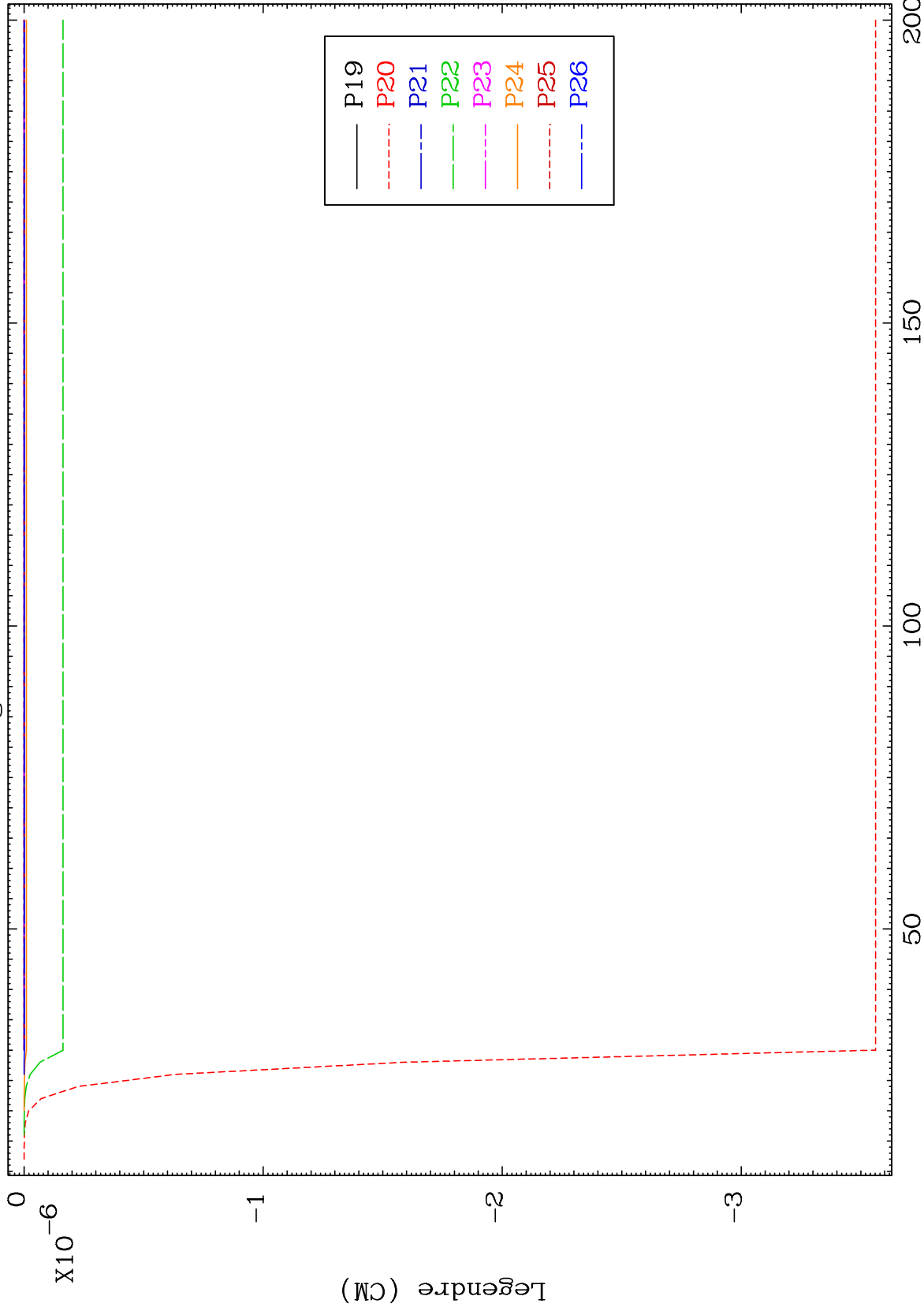


93 59-Pr-136

MAT 5910

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

59-Pr-136



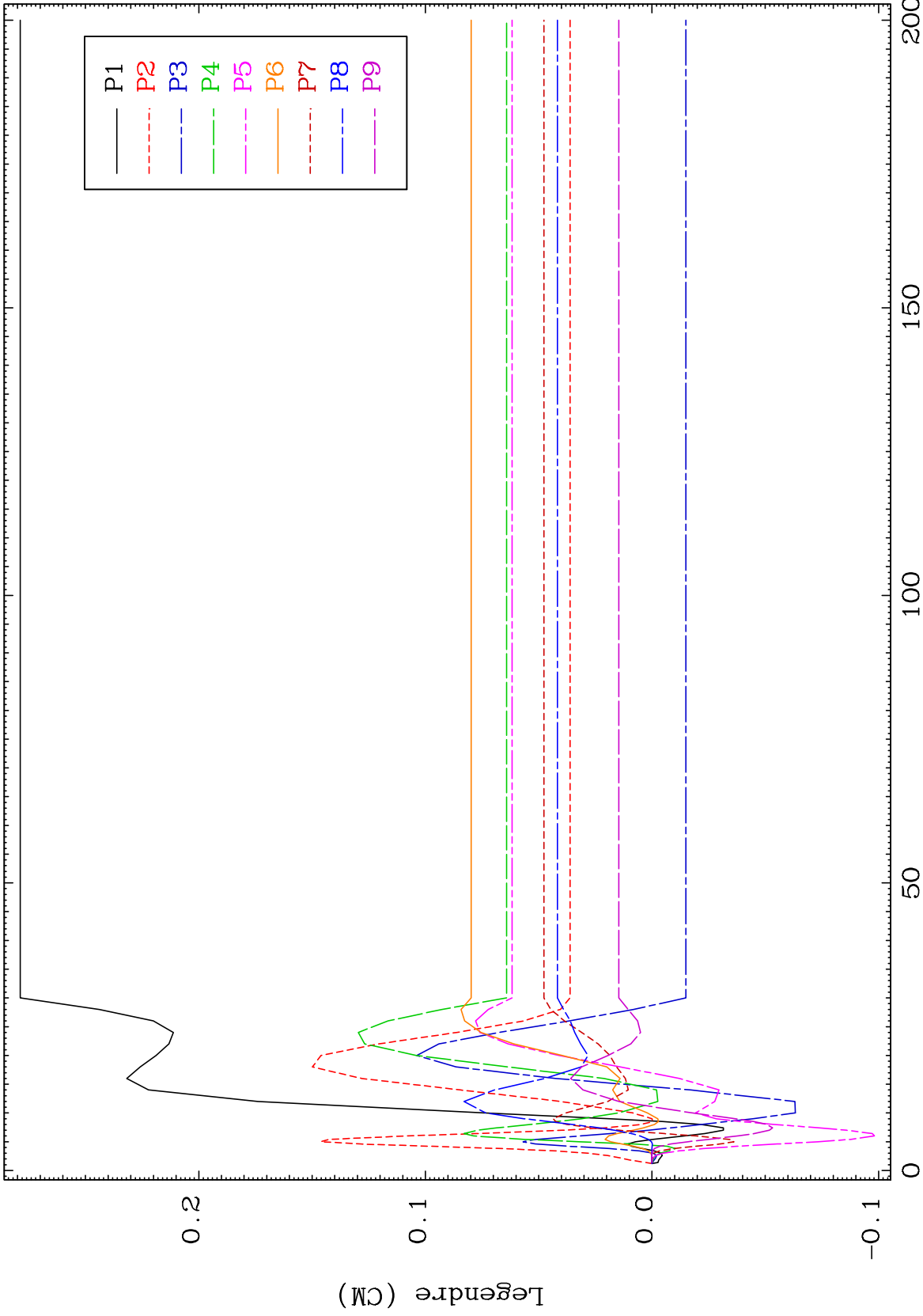
94

59-Pr-136

MAT 5910

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

59-Pr-136

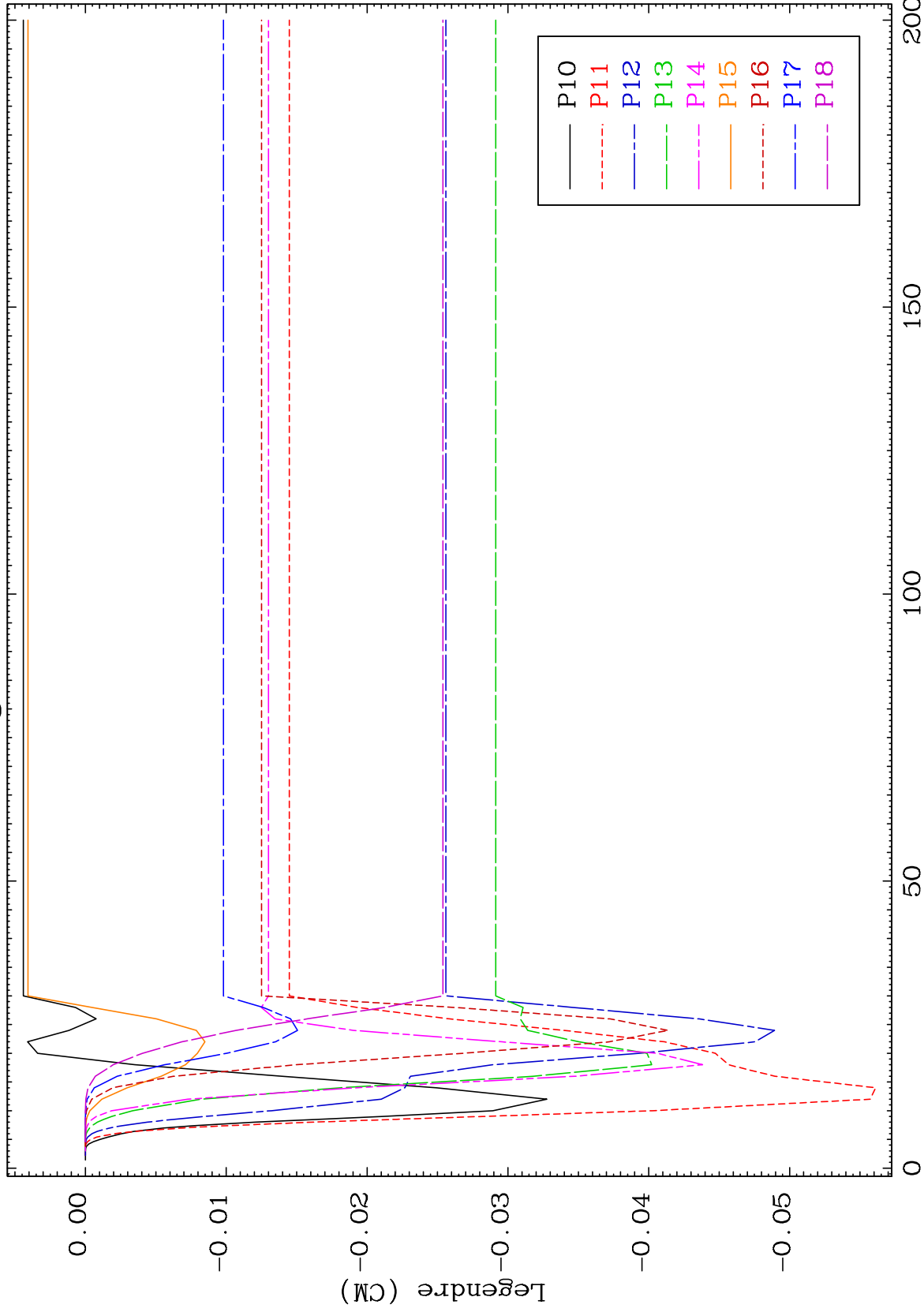


95

Incident Energy (MeV)

59-Pr-136

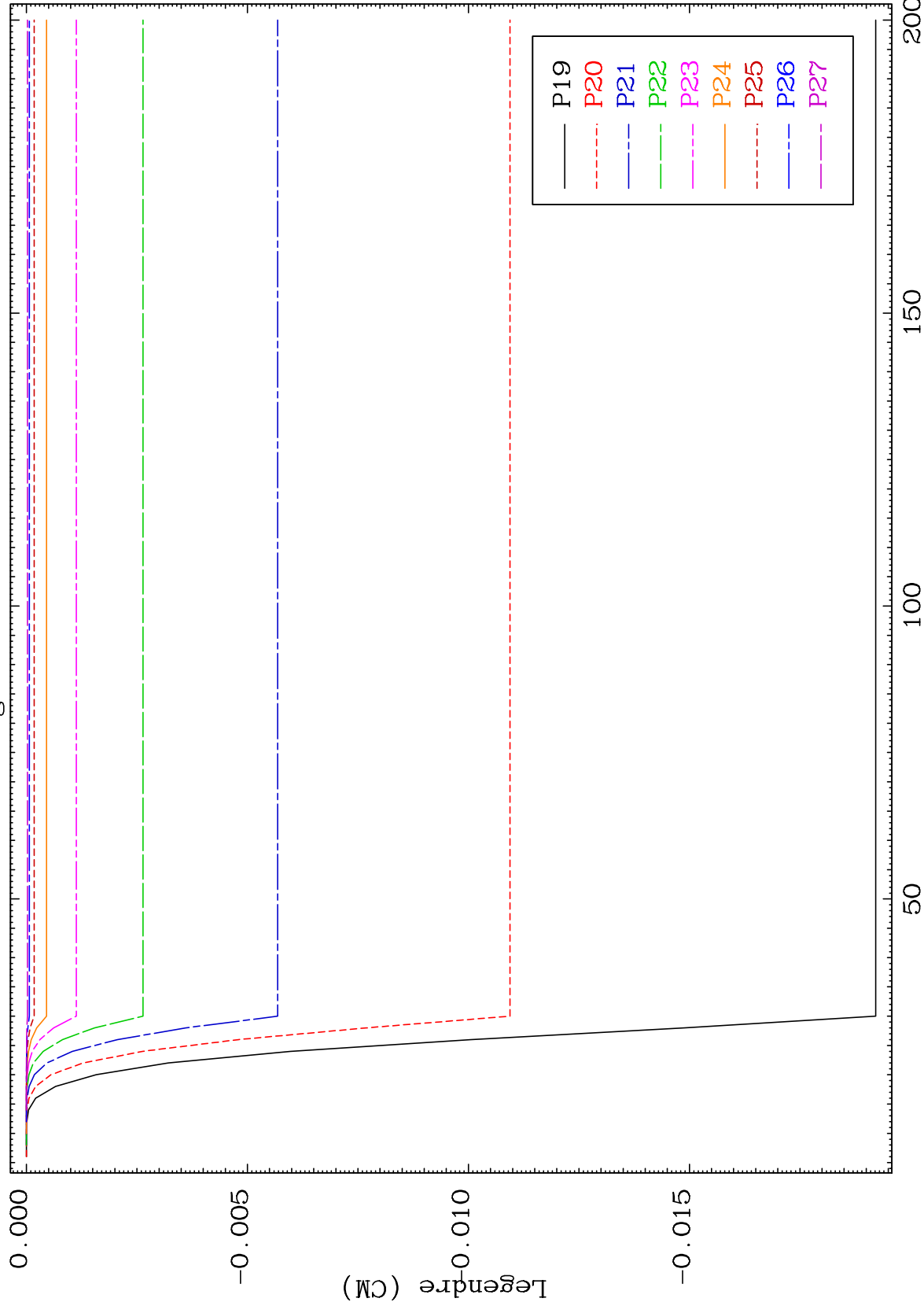




MAT 5910

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

59-Pr-136



97

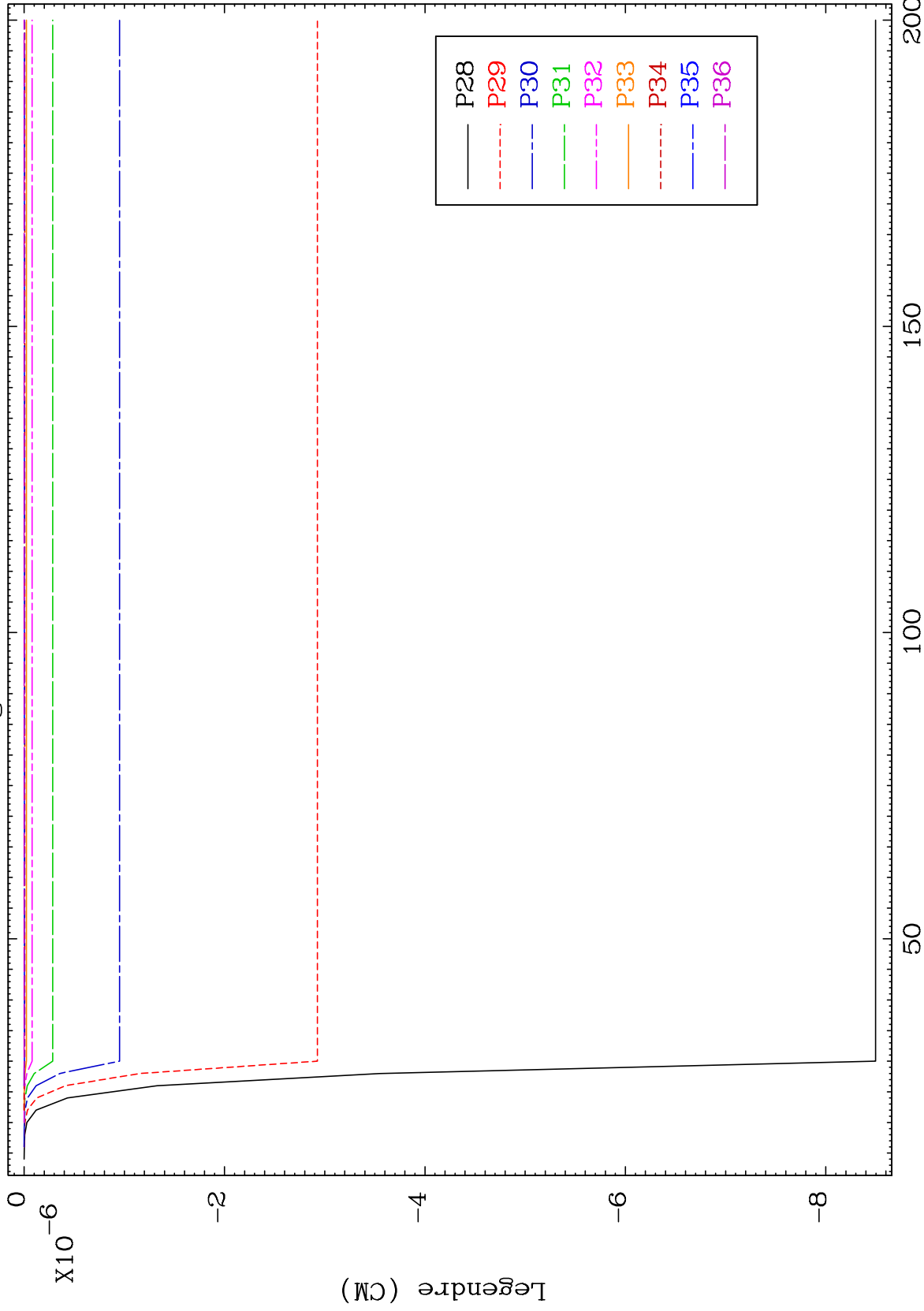
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

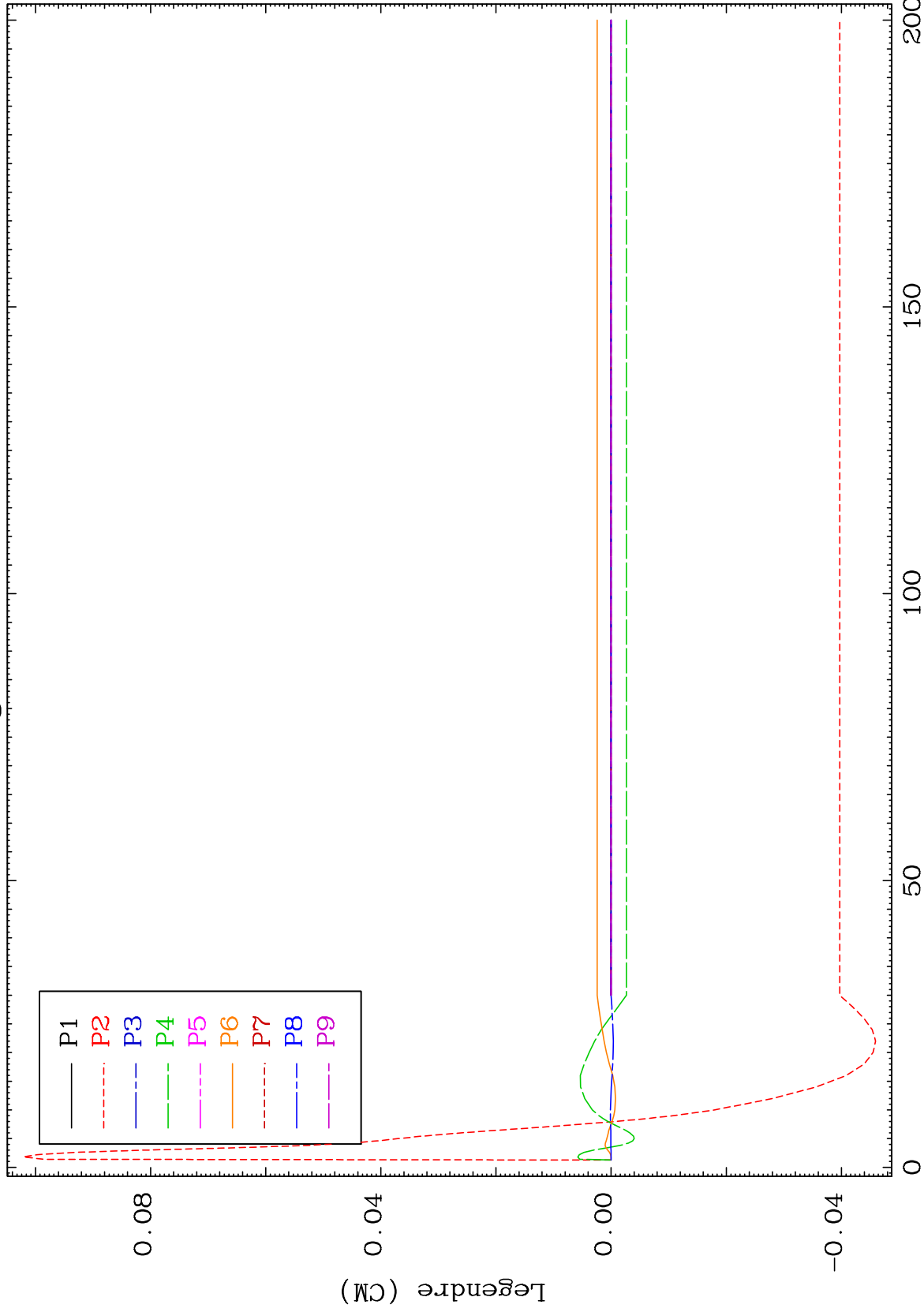
59-Pr-136

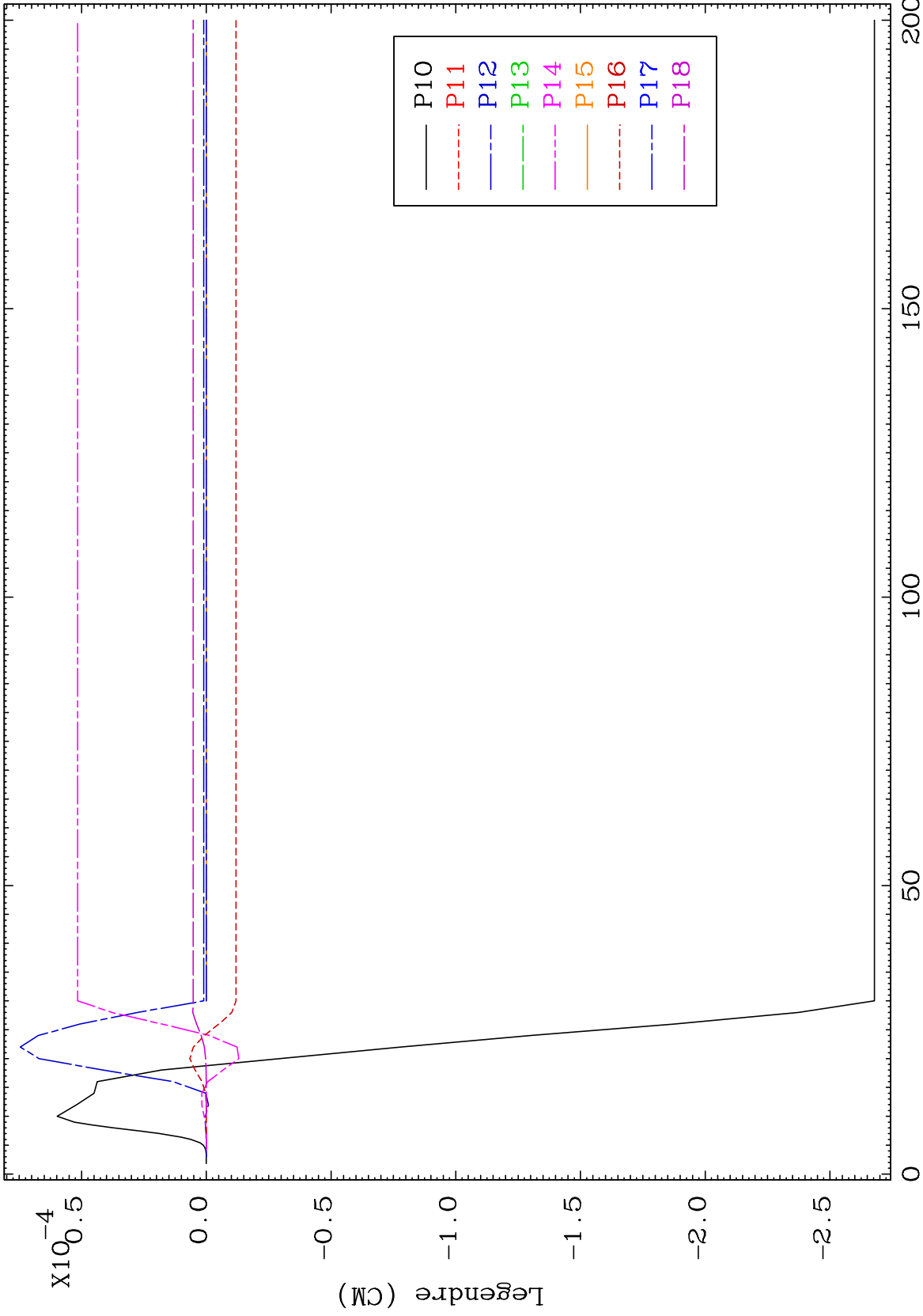


98

Incident Energy (MeV)

59-Pr-136

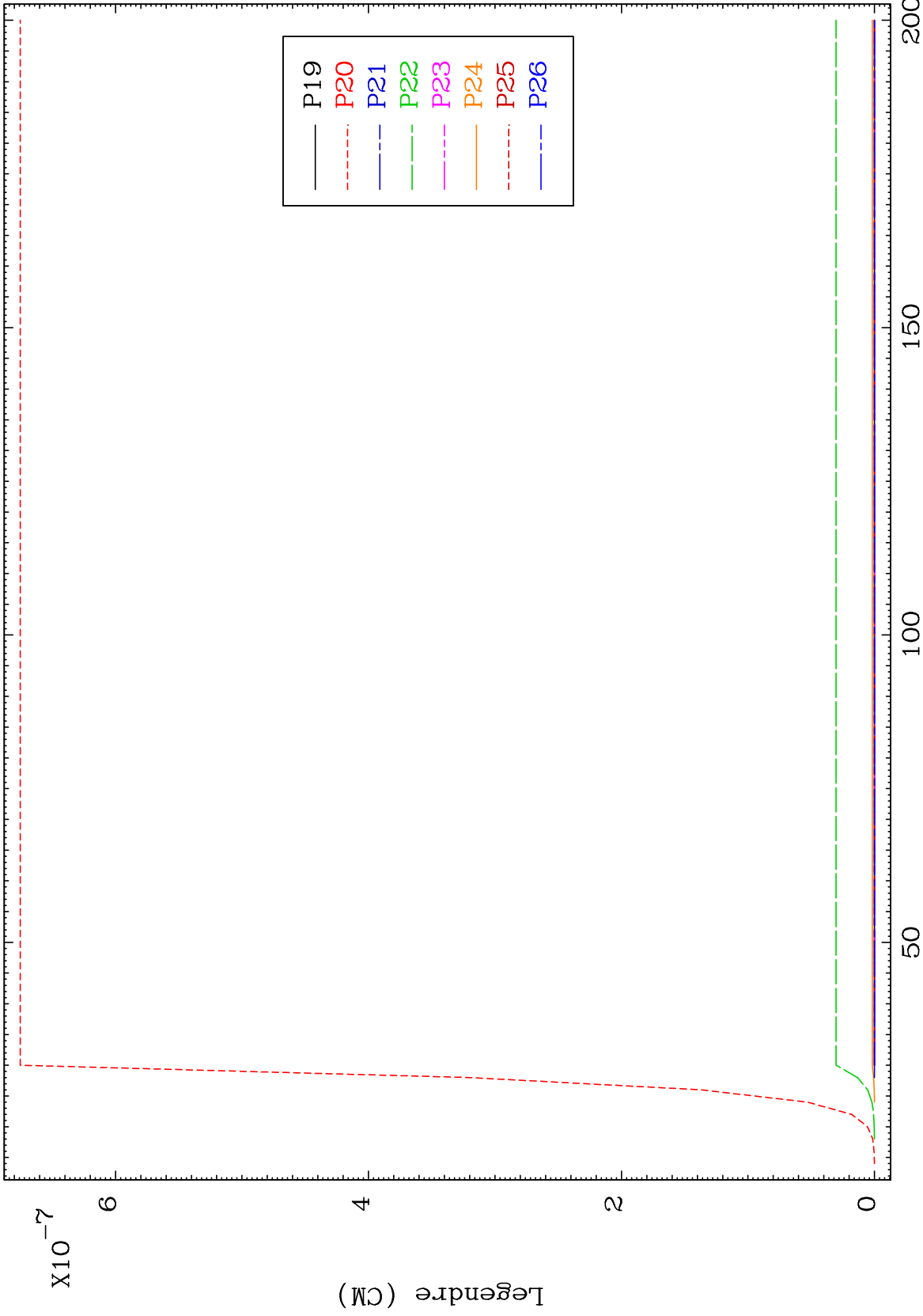




MAT 5910

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

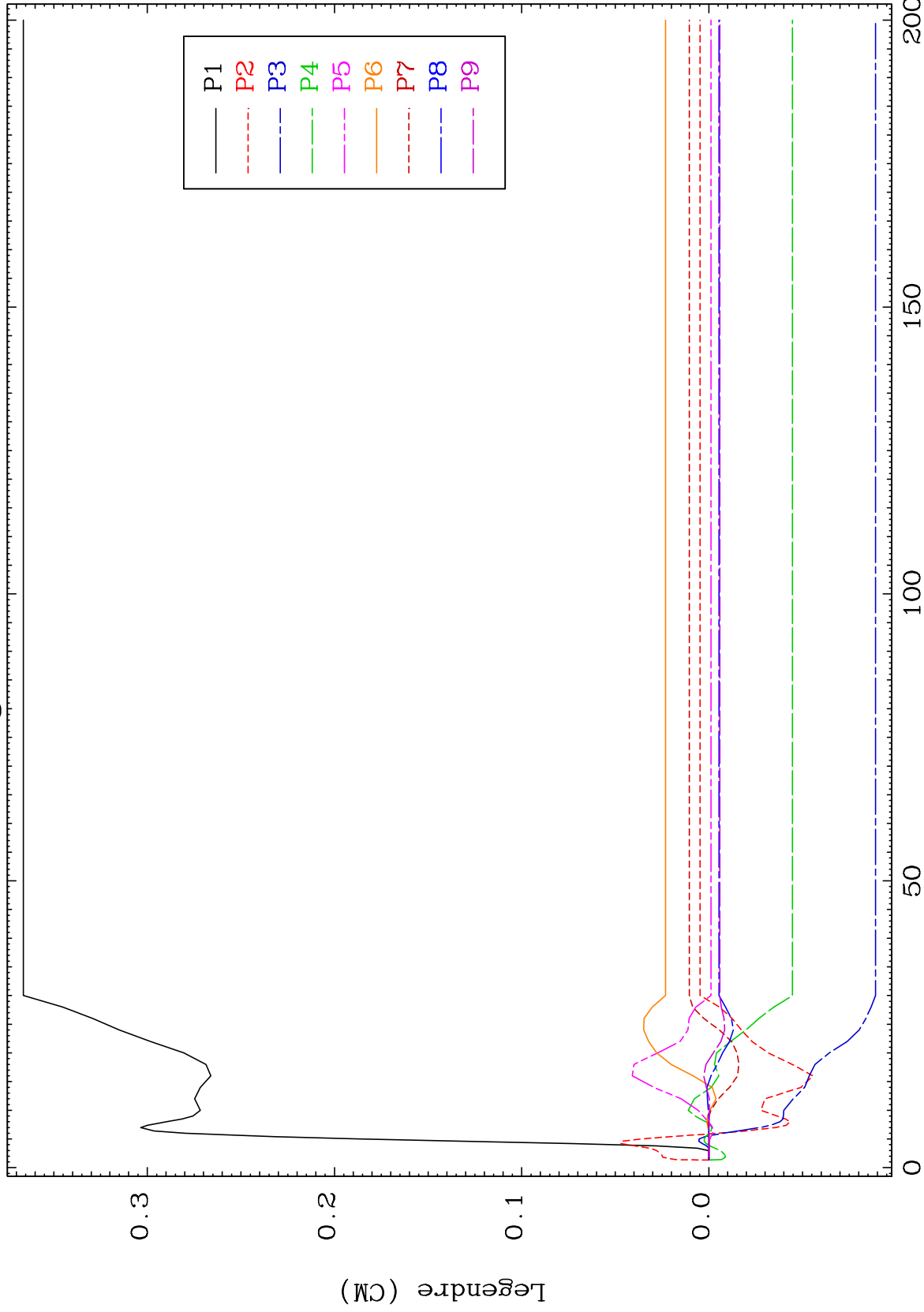
59-Pr-136



101

Incident Energy (MeV)

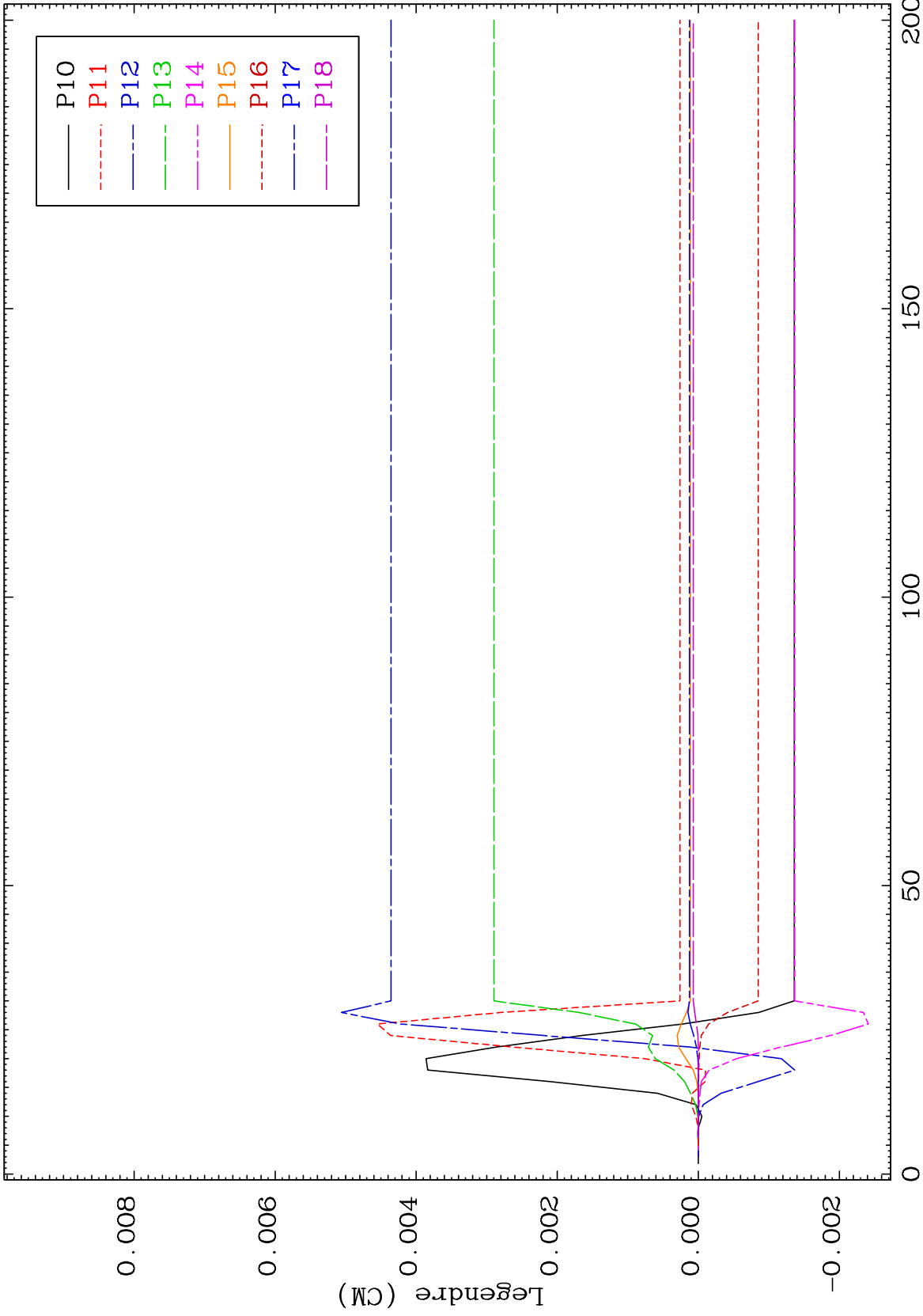
59-Pr-136



MAT 5910

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

59-Pr-136

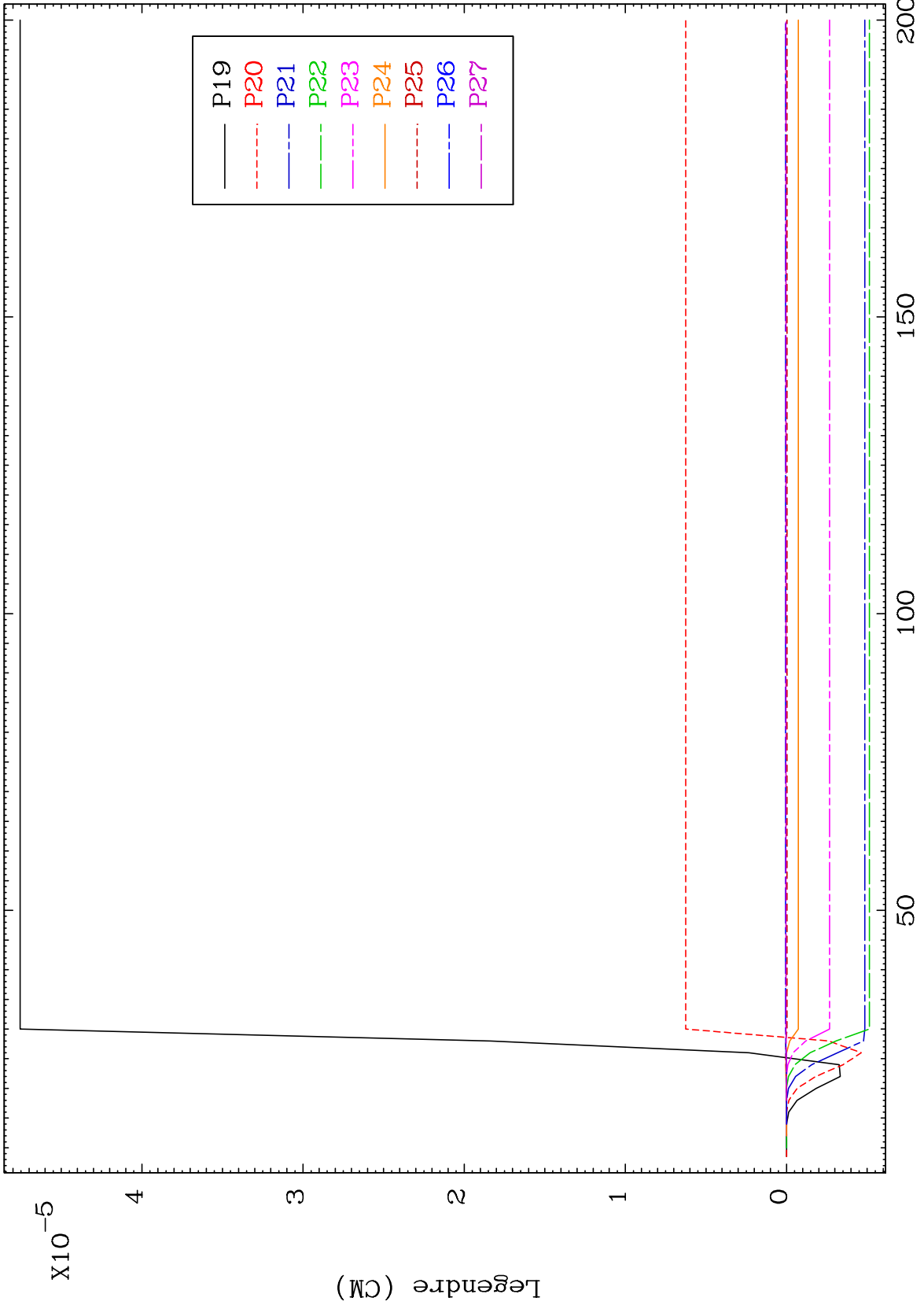


103

Incident Energy (MeV)

59-Pr-136

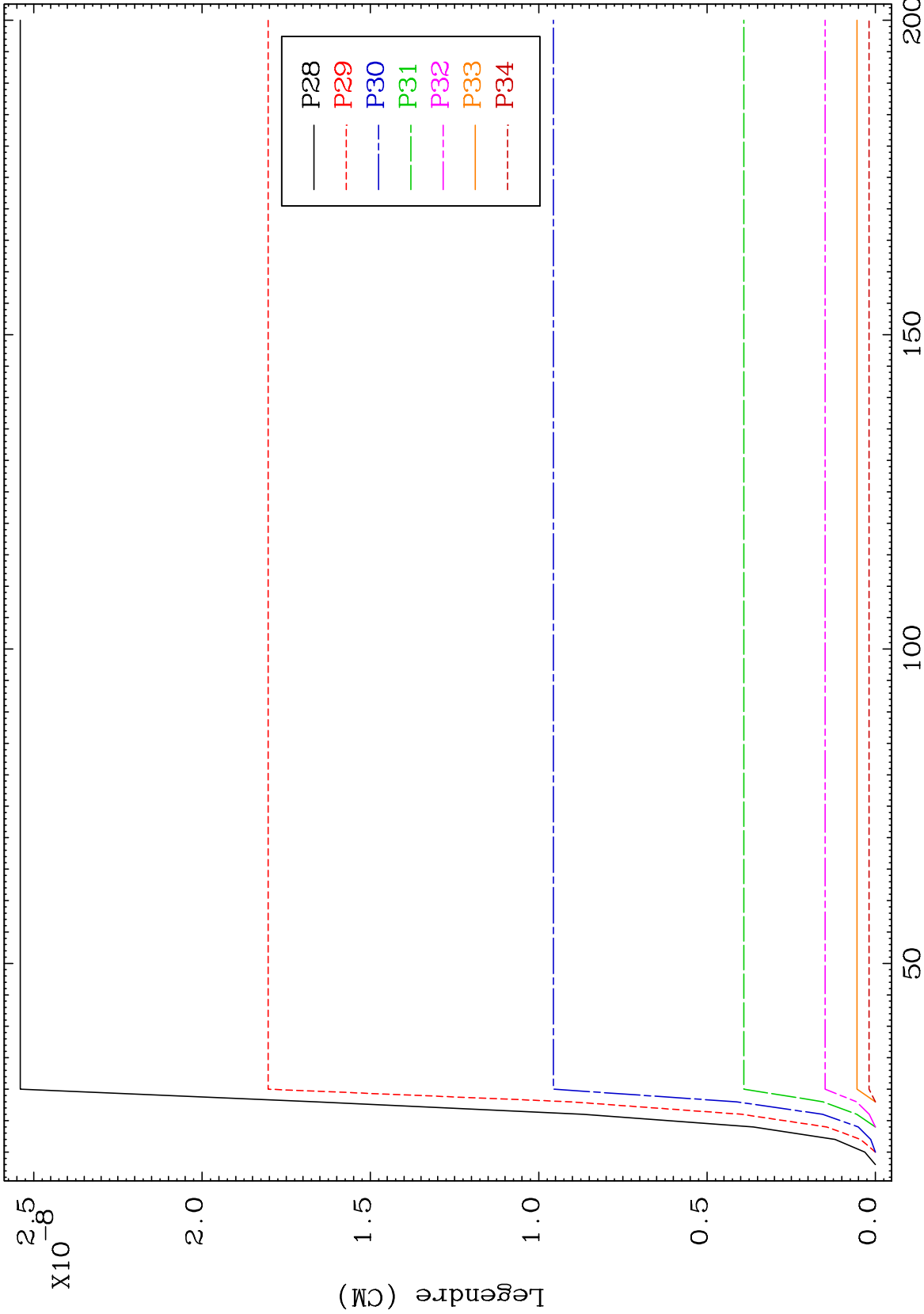




MAT 5910

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

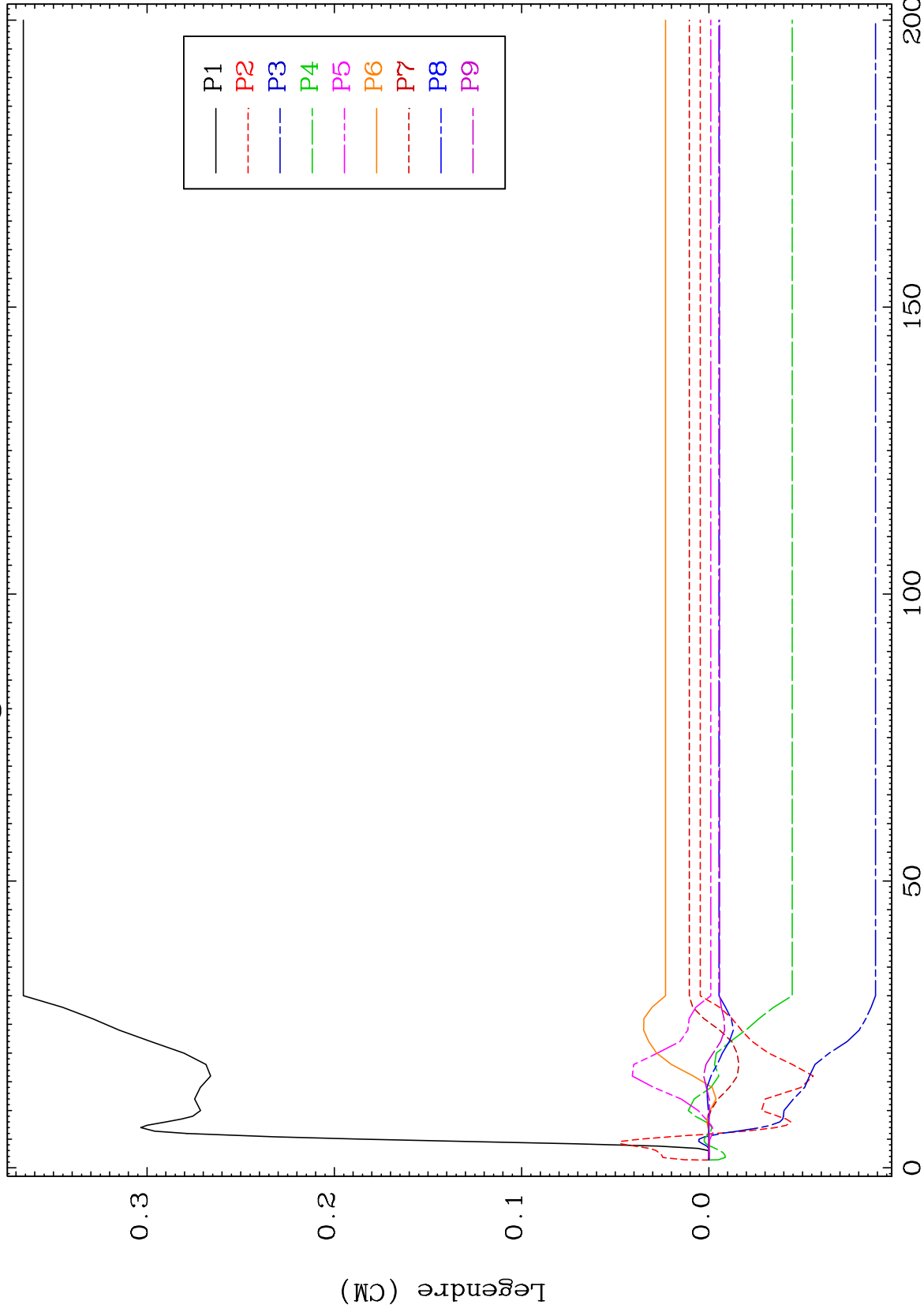
59-Pr-136



105

Incident Energy (MeV)

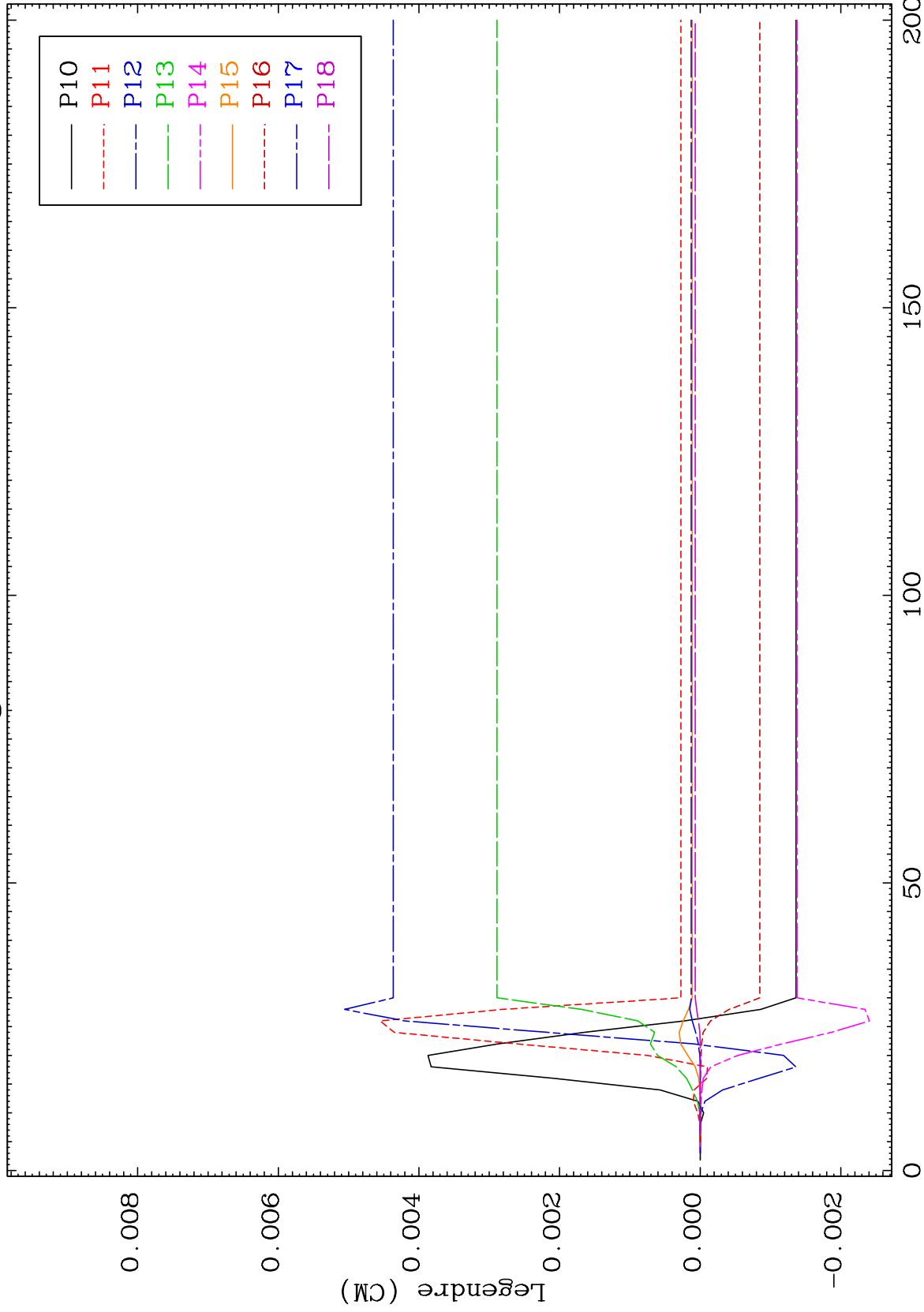
59-Pr-136



MAT 5910

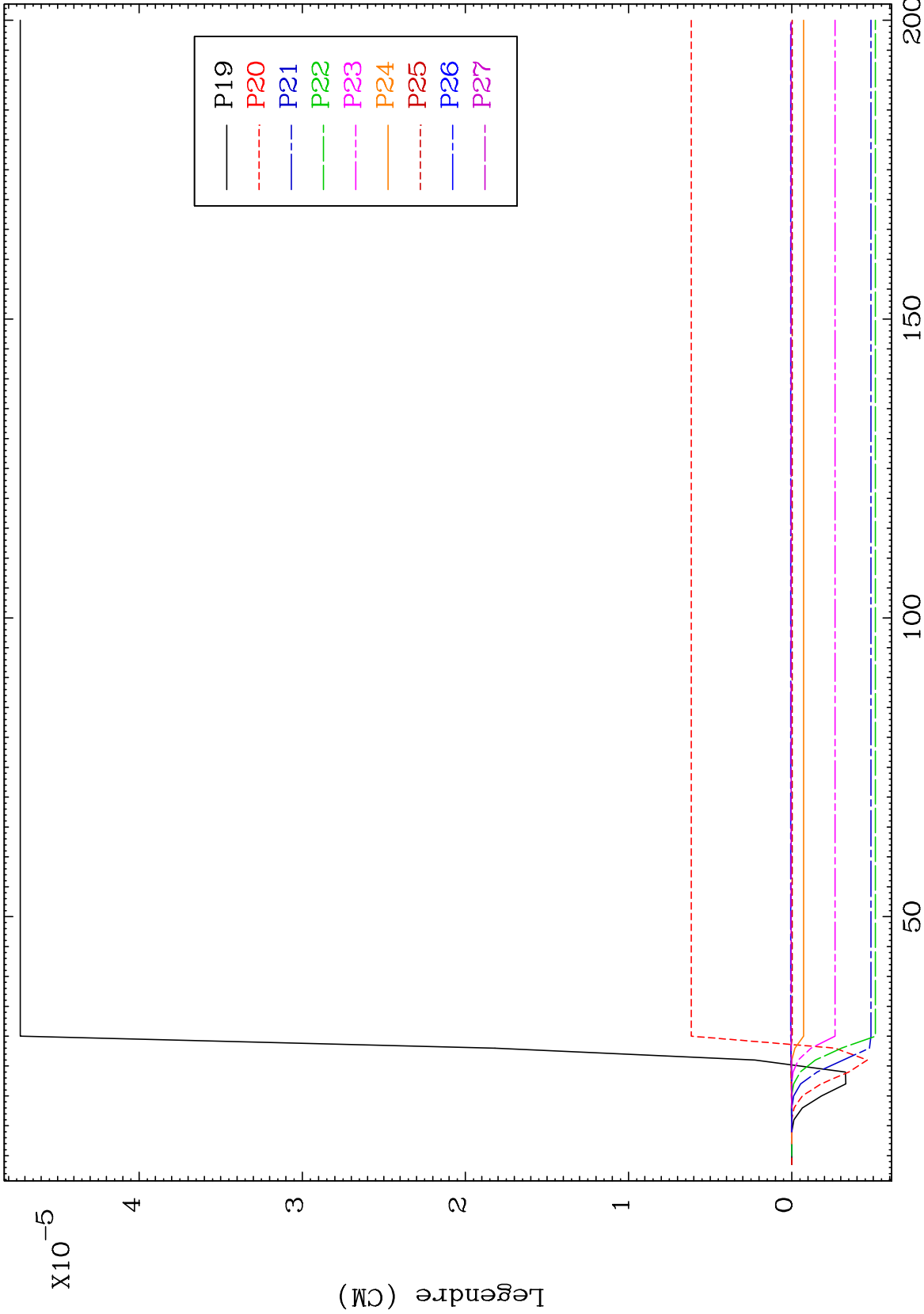
MT= 77 (n,n') Level  
Legendre Coefficients

59-Pr-136



107

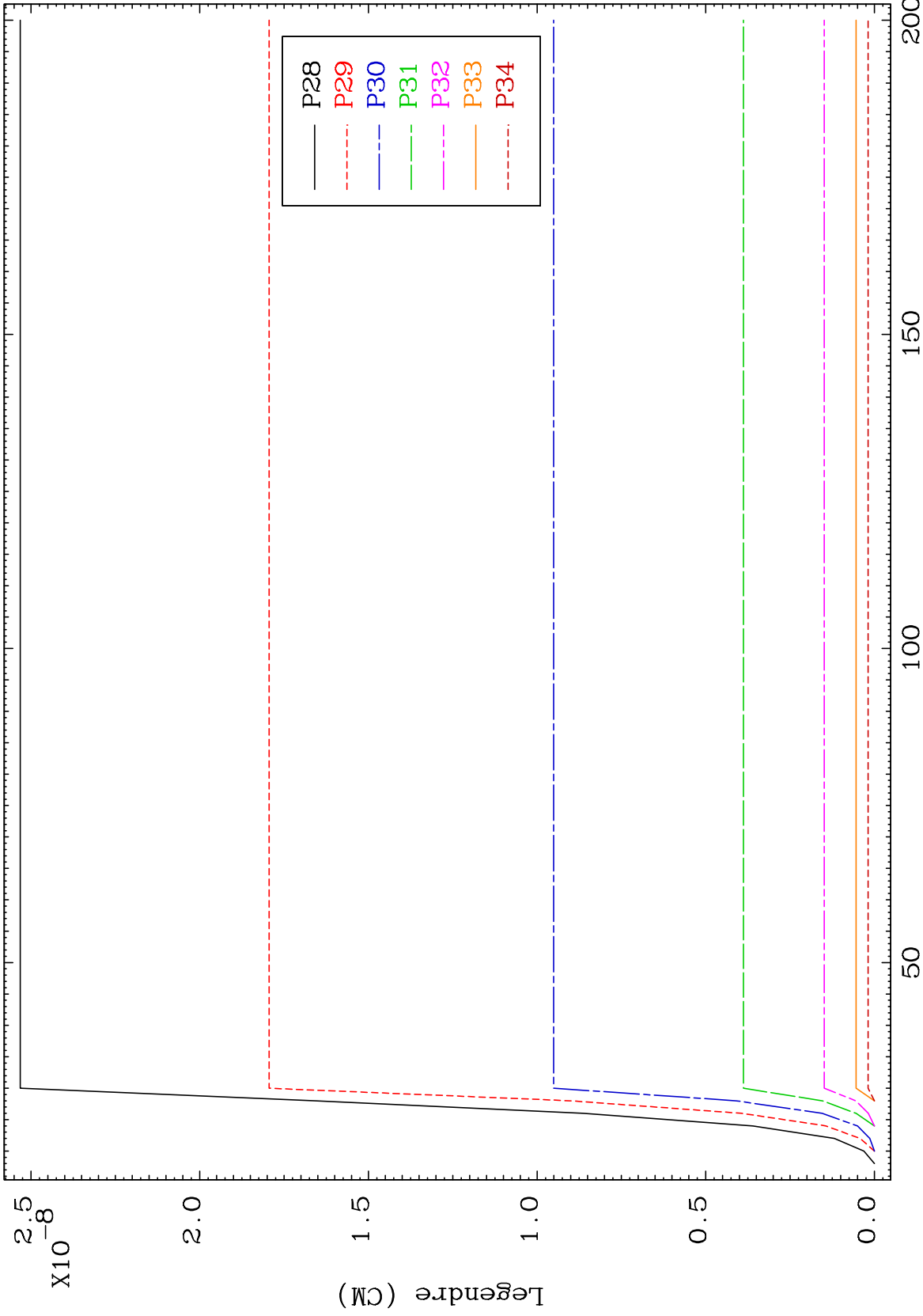
59-Pr-136



MAT 5910

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

59-Pr-136



109

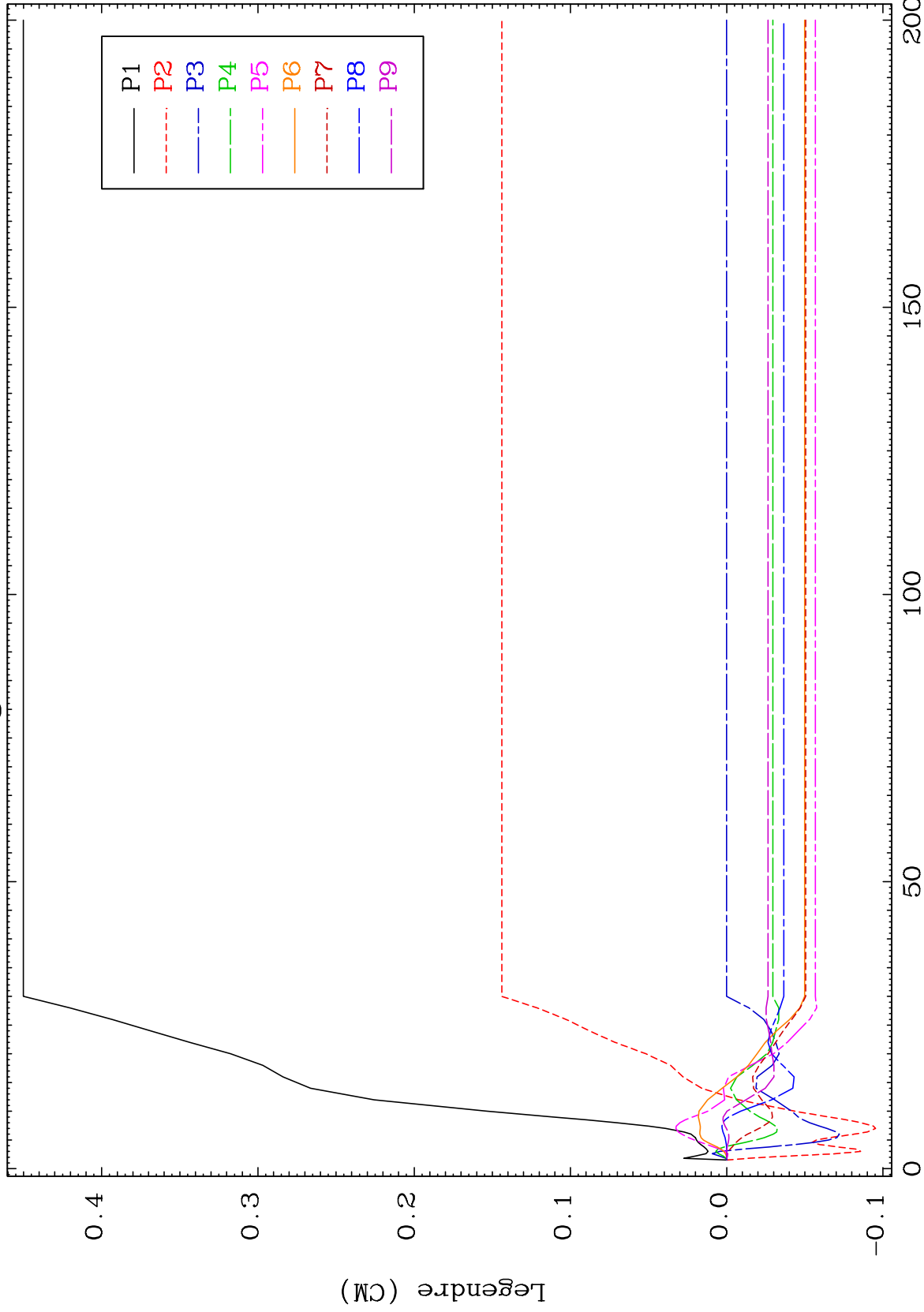
Incident Energy (MeV)

59-Pr-136

MAT 5910

MT= 78 (n,n') Level  
Legendre Coefficients

59-Pr-136



59-Pr-136

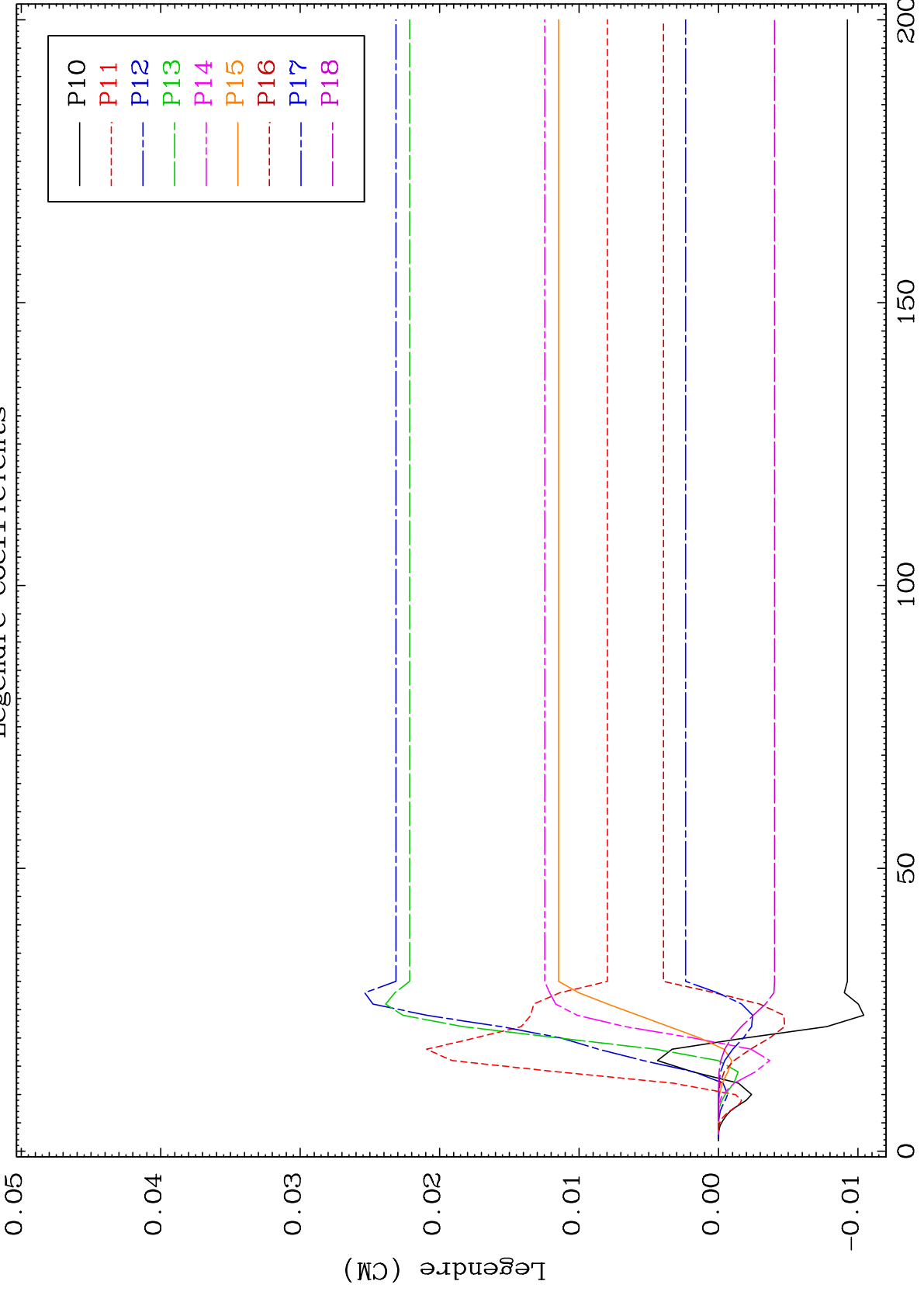
Incident Energy (MeV)

110

MAT 5910

MT= 78 (n,n') Level  
Legendre Coefficients

59-Pr-136



111

Incident Energy (MeV)

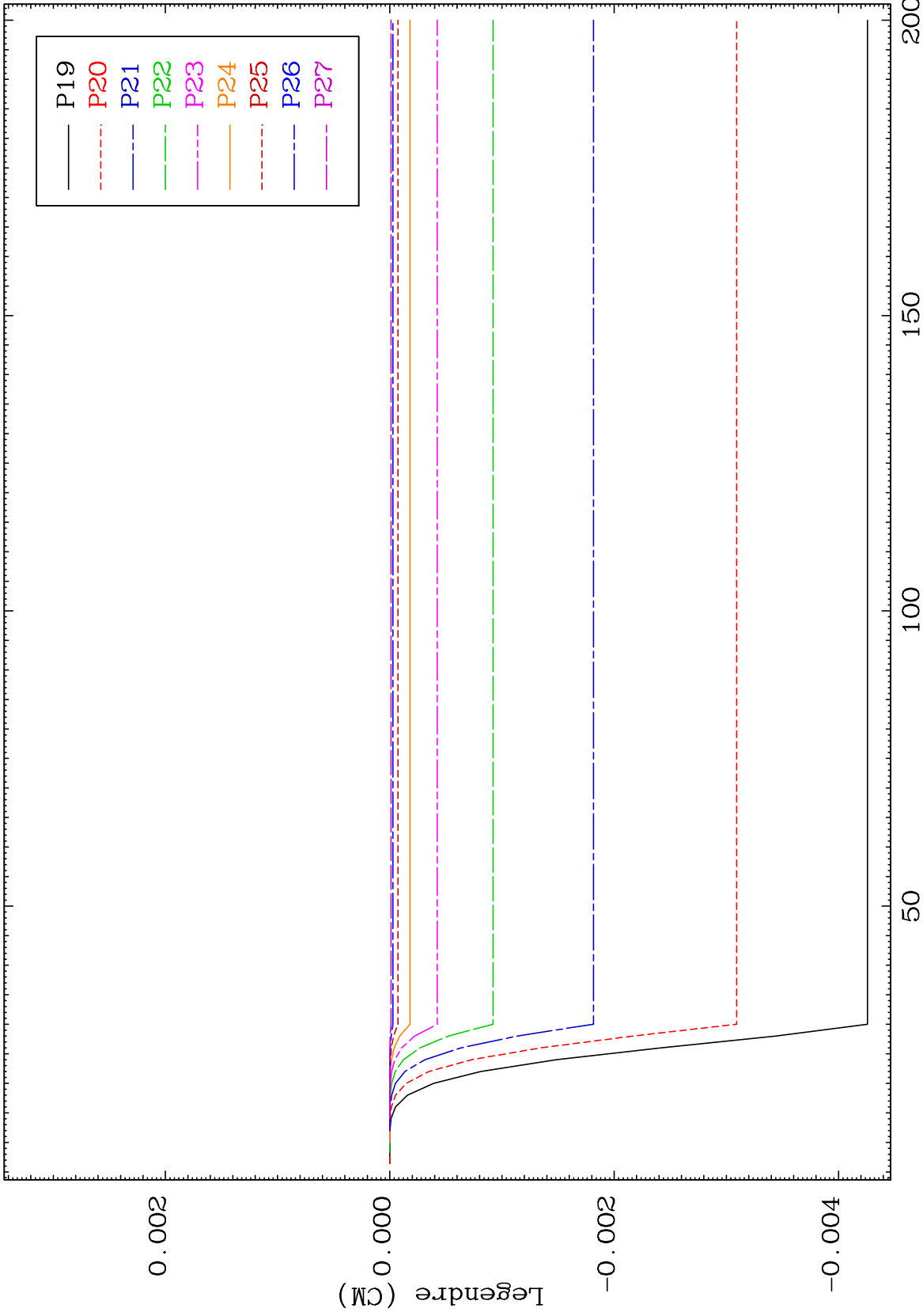
59-Pr-136



MAT 5910

MT= 78 (n,n') Level  
Legendre Coefficients

59-Pr-136



112

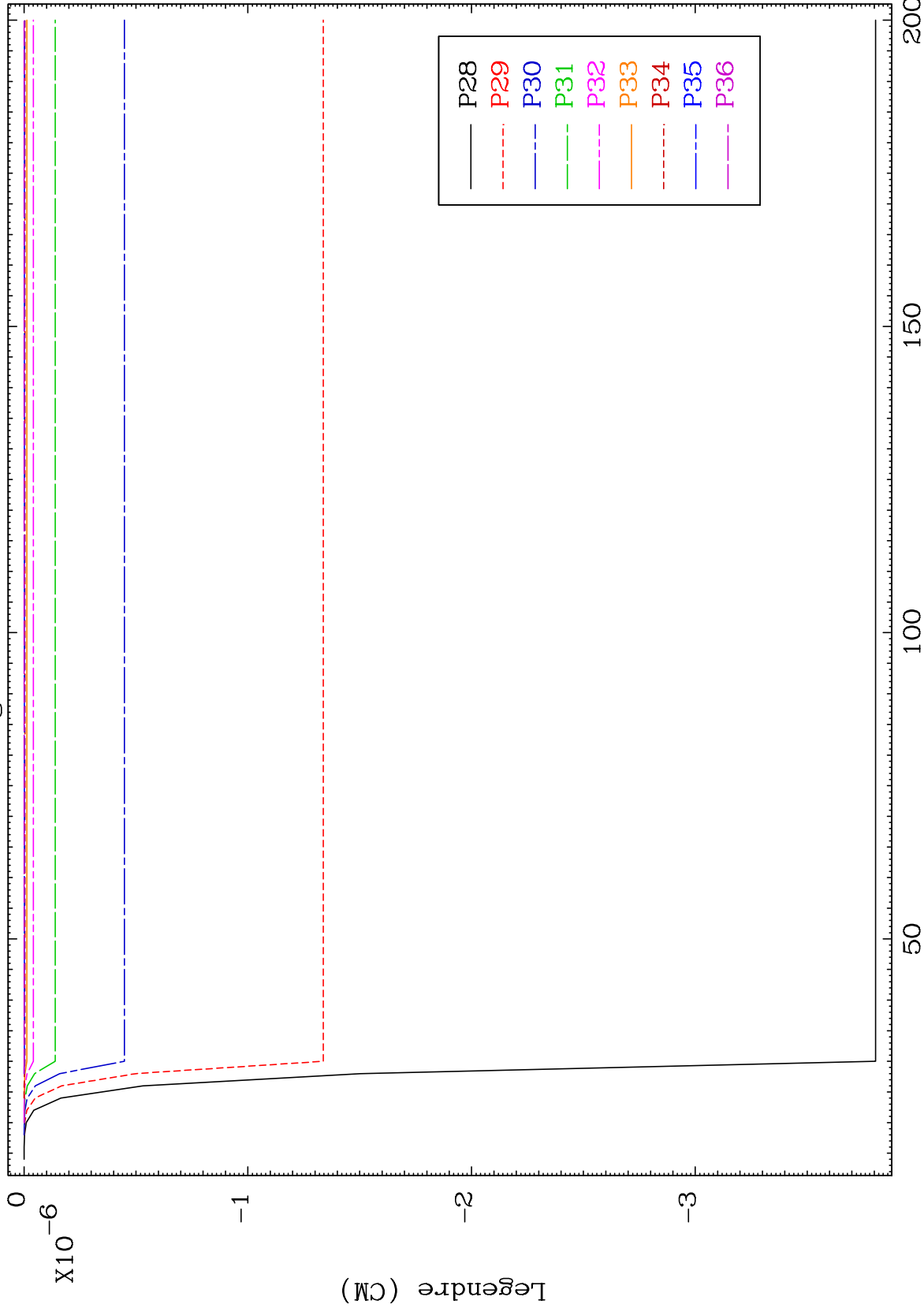
Incident Energy (MeV)

59-Pr-136

MAT 5910

MT= 78 (n,n') Level  
Legendre Coefficients

59-Pr-136



113

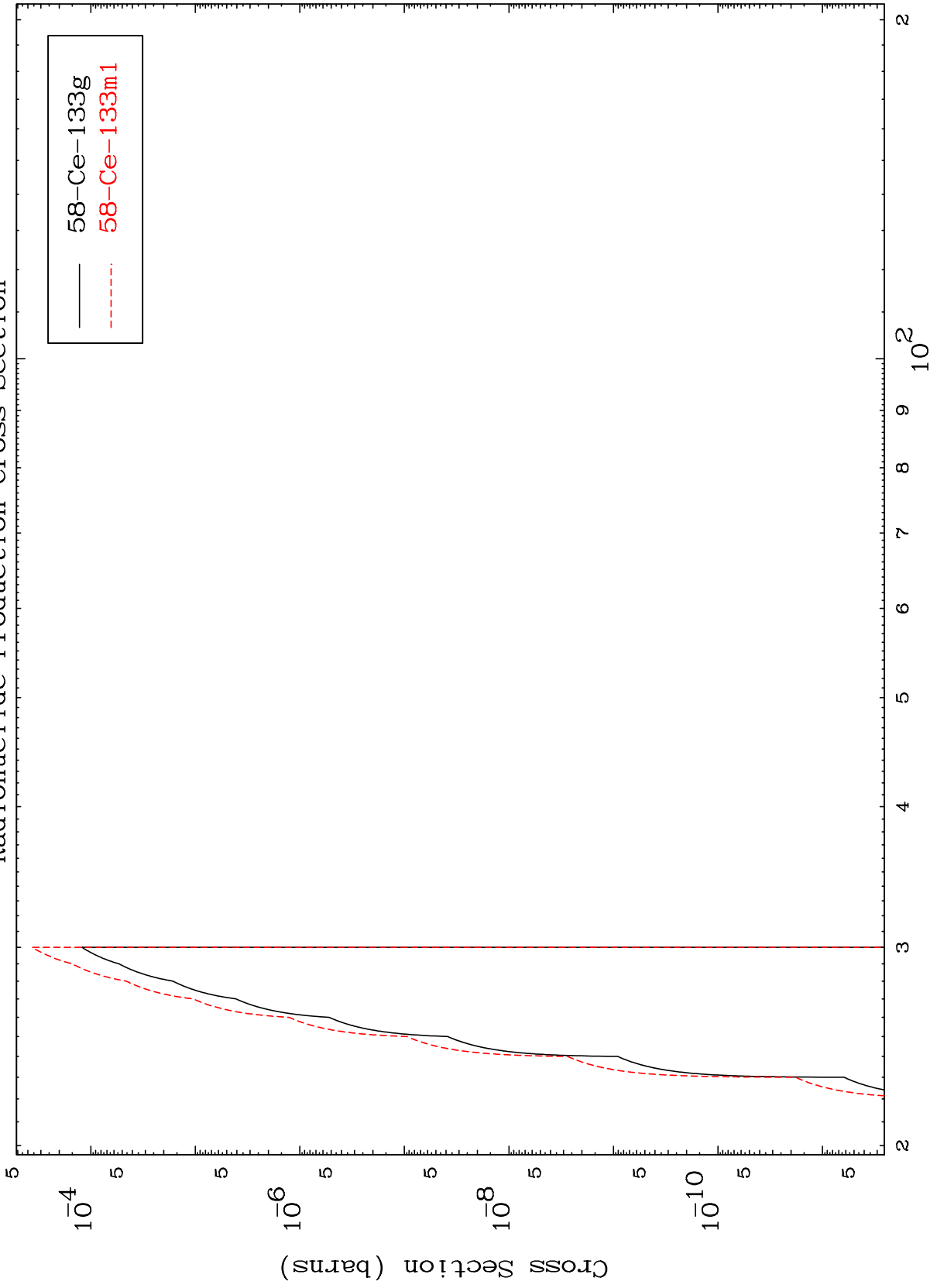
59-Pr-136

MAT 5910

(n,2n) d

59-Pr-136

Radionuclide Production Cross Section



114

Incident Energy (MeV)

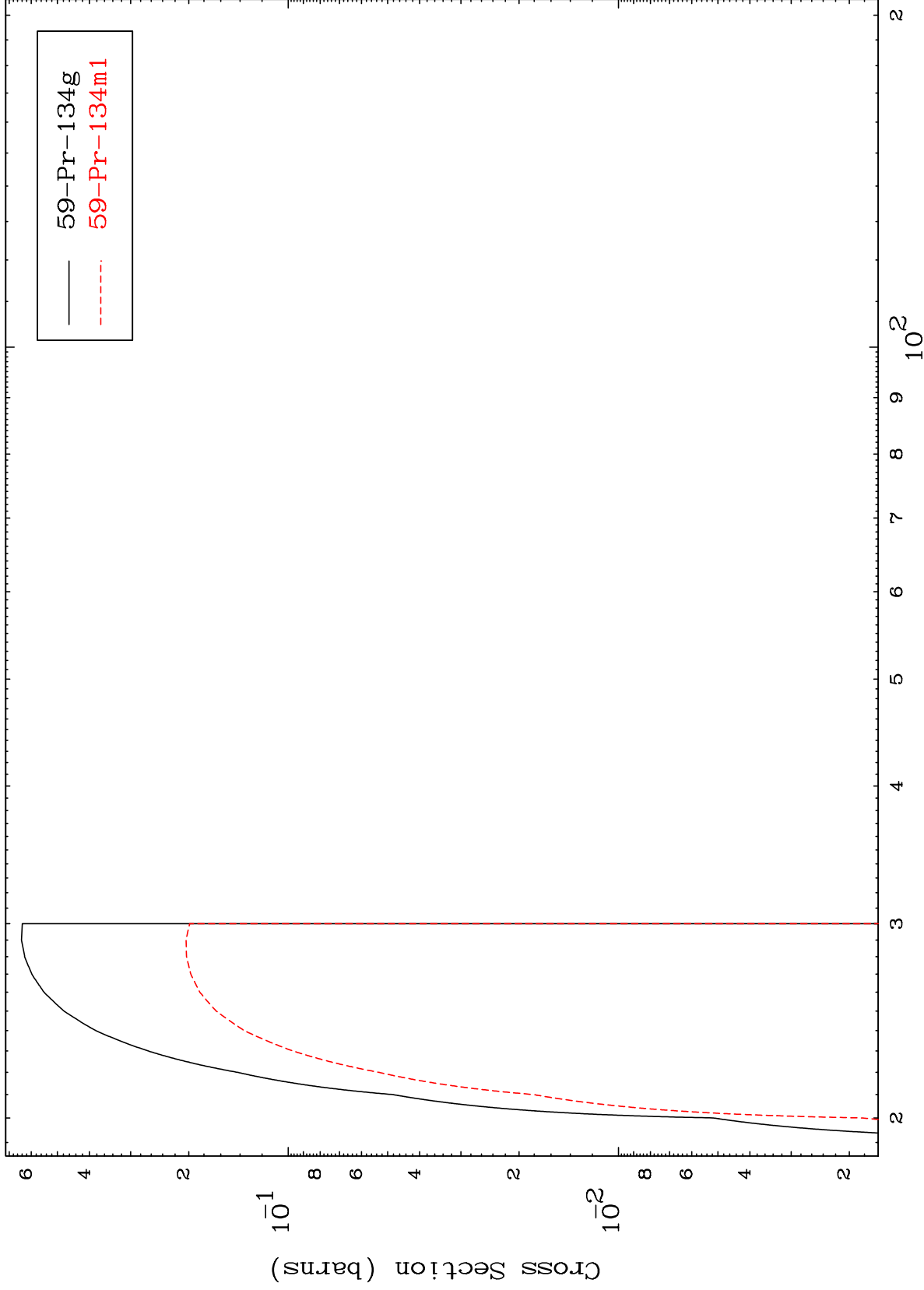
59-Pr-136

MAT 5910

(n,3n)

59-Pr-136

Radionuclide Production Cross Section



115

Incident Energy (MeV)

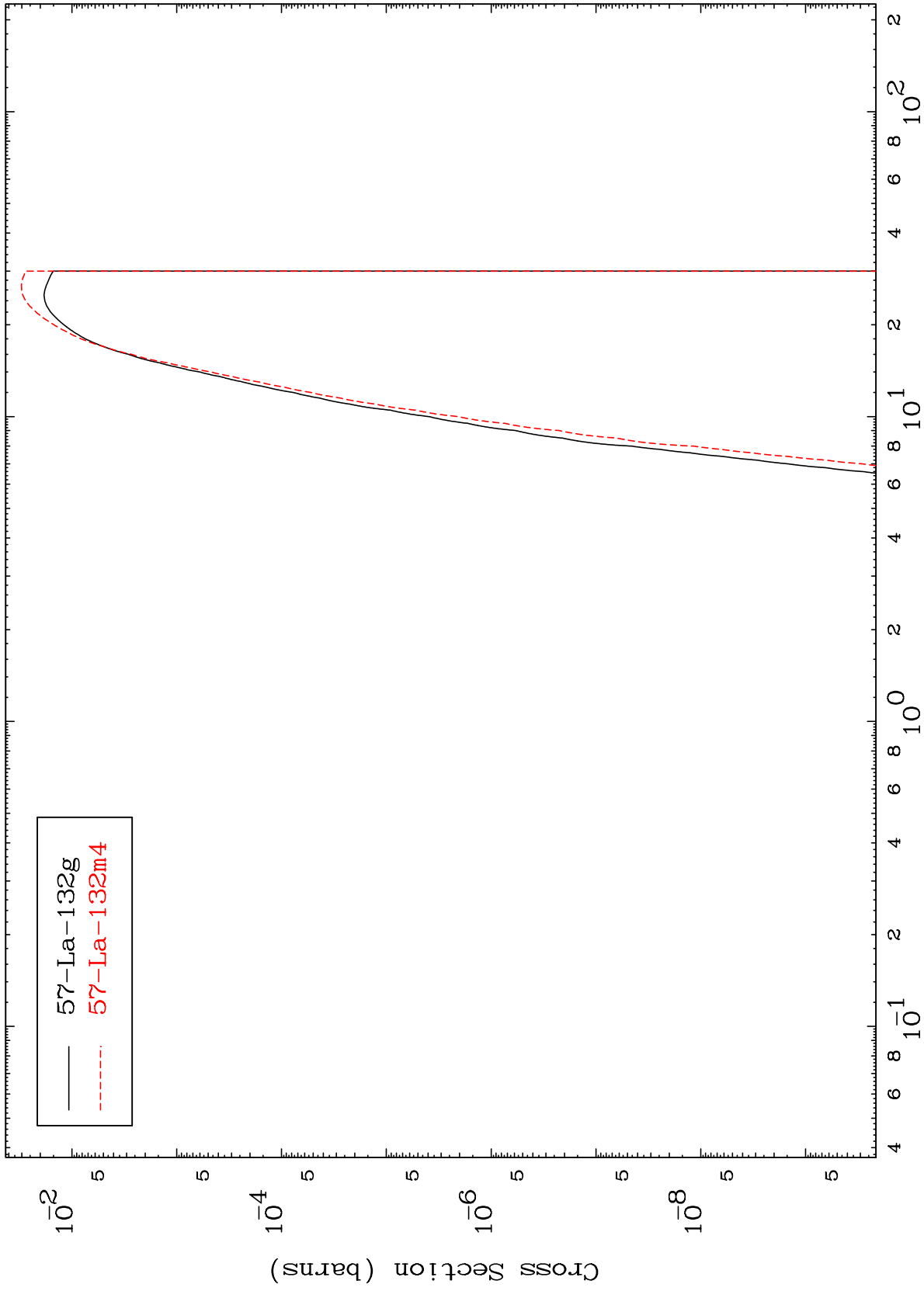
59-Pr-136

MAT 5910

(n,n')  $\alpha$

59-Pr-136

Radionuclide Production Cross Section



116

Incident Energy (MeV)

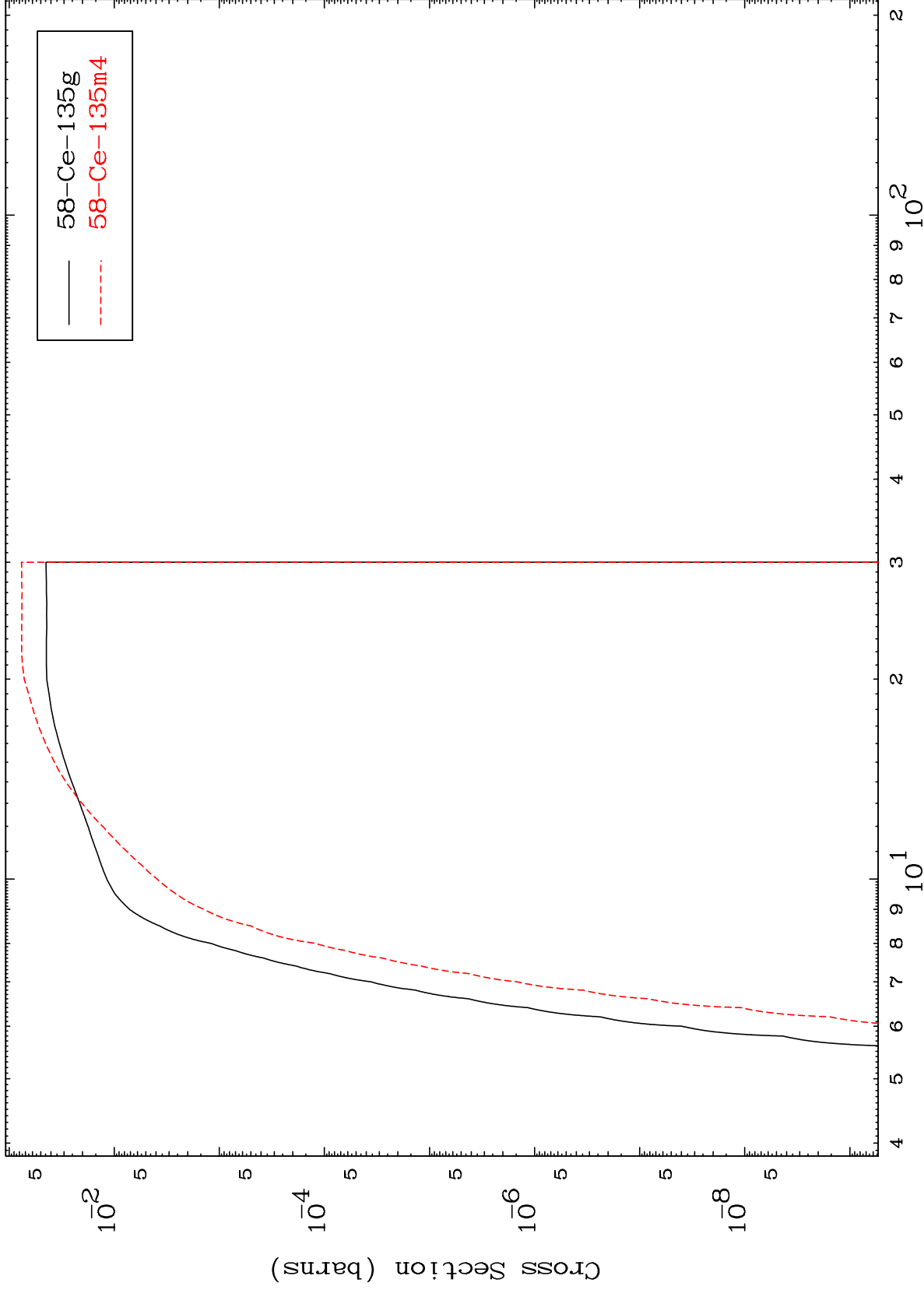
59-Pr-136

MAT 5910

(n,n') p

59-Pr-136

Radionuclide Production Cross Section



117

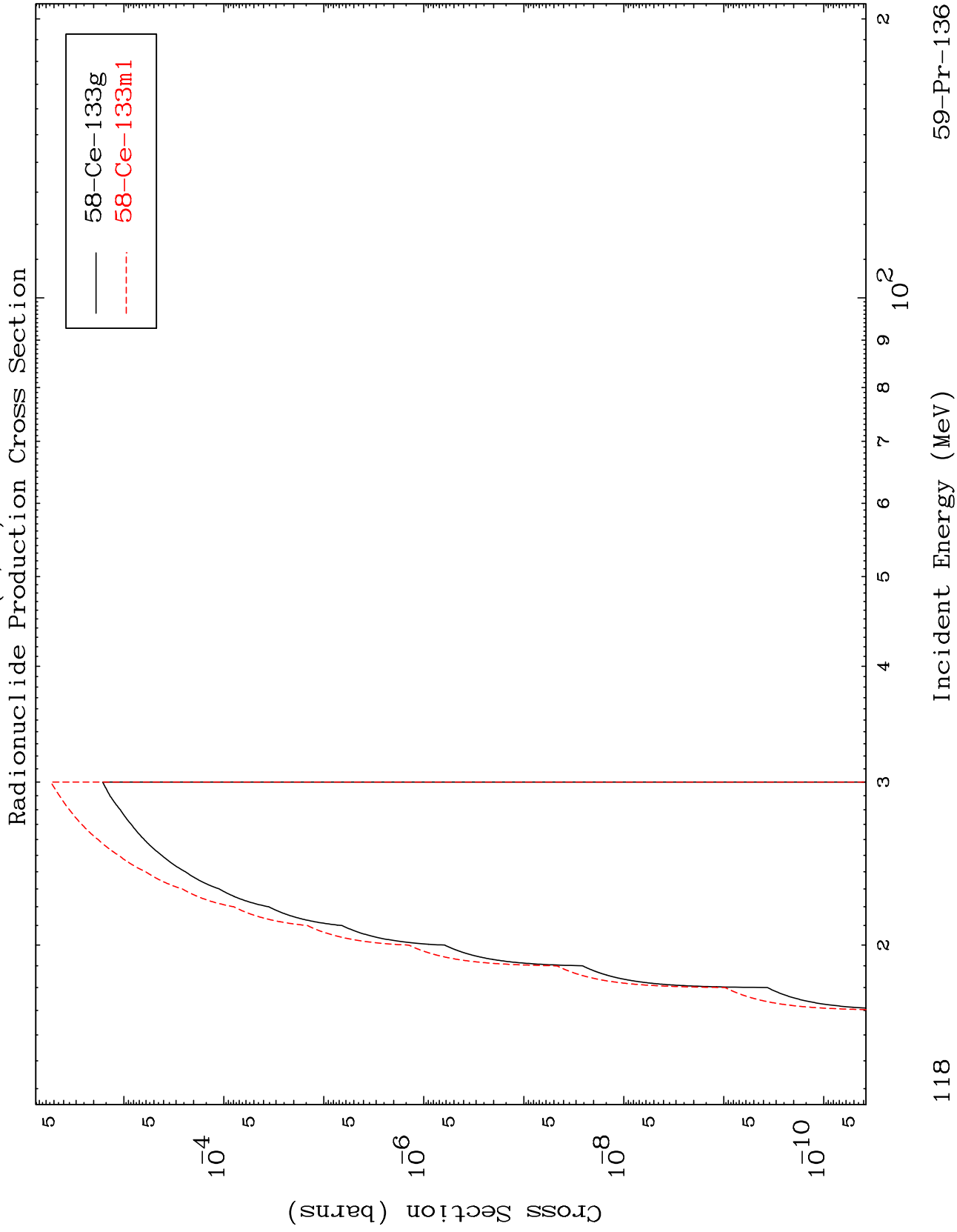
Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,n') t

59-Pr-136



118

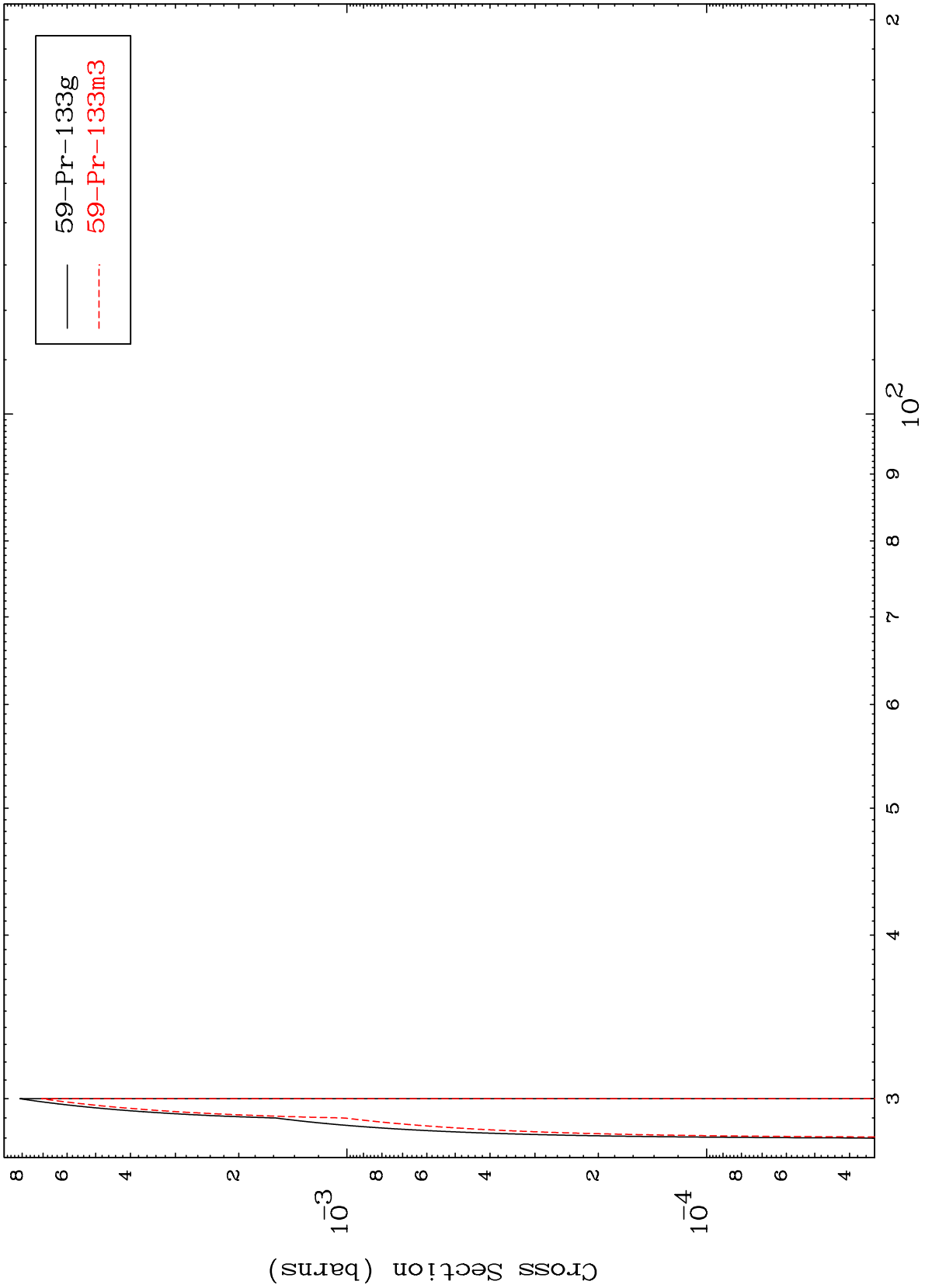
59-Pr-136

MAT 5910

(n,4n)

59-Pr-136

Radionuclide Production Cross Section



59-Pr-133g  
59-Pr-133m3

119

Incident Energy (MeV)

59-Pr-136

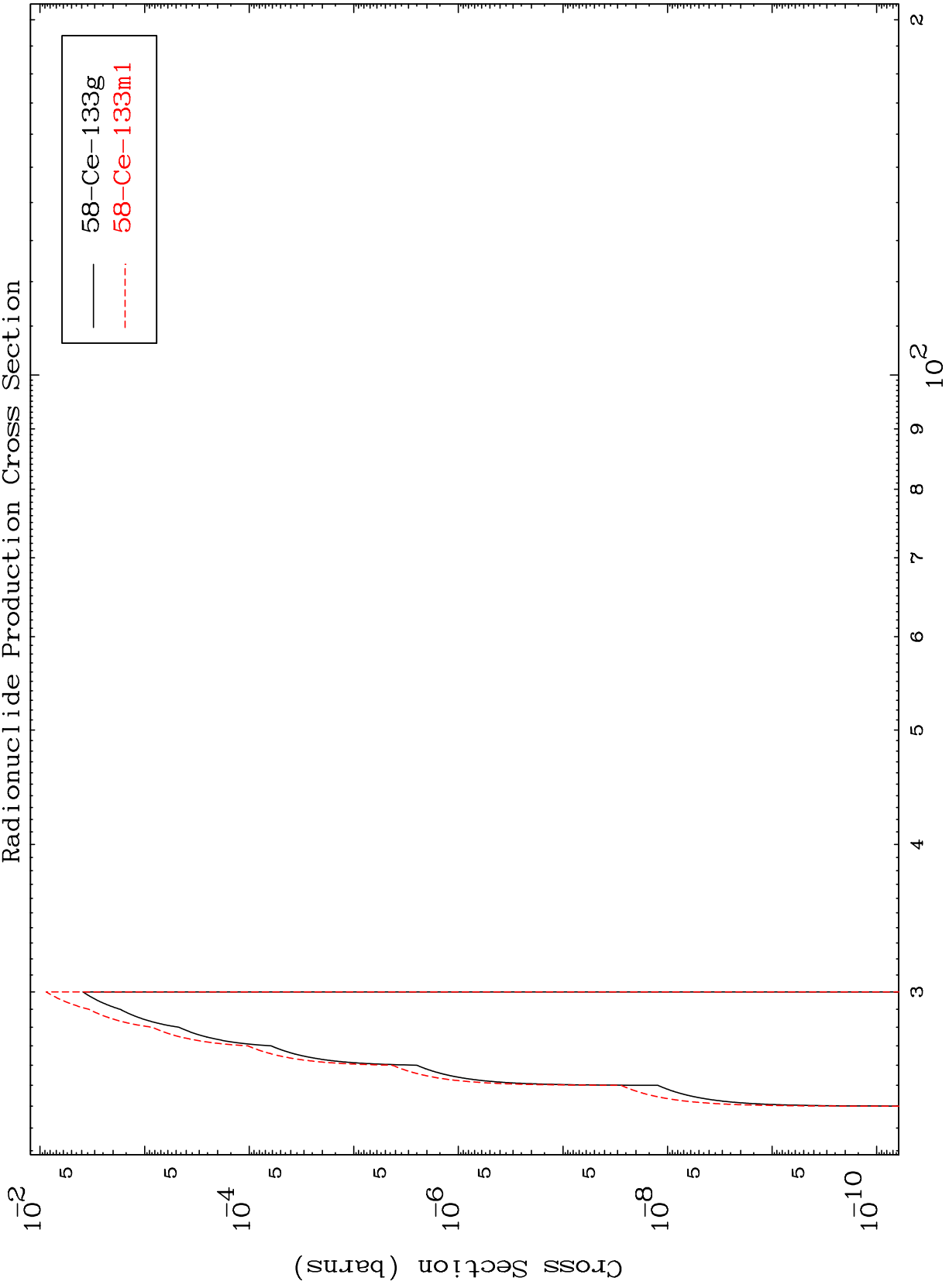


MAT 5910

(n,3n) p

59-Pr-136

Radionuclide Production Cross Section



120

Incident Energy (MeV)

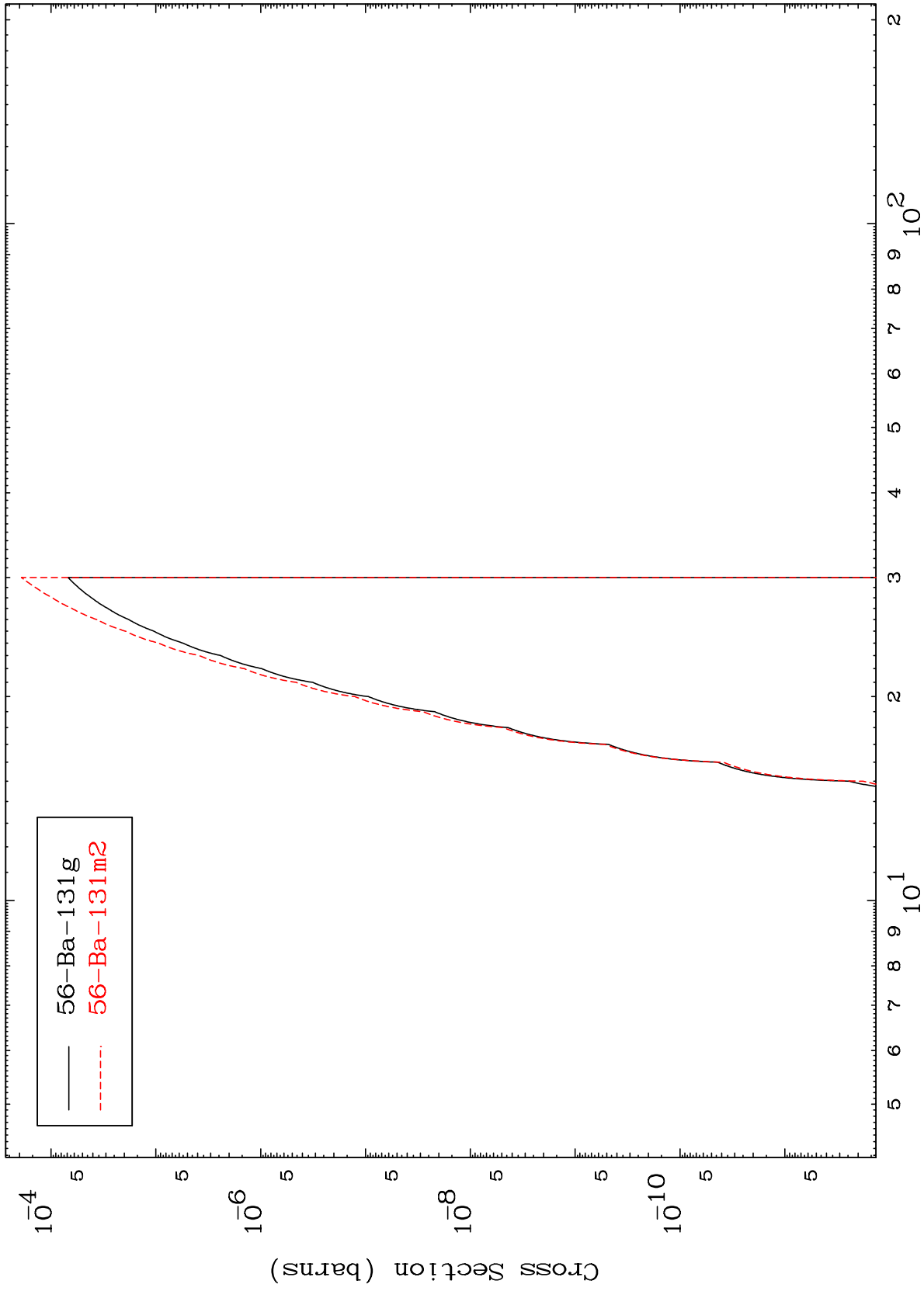
59-Pr-136

MAT 5910

(n,n') p  $\alpha$

59-Pr-136

Radionuclide Production Cross Section



121

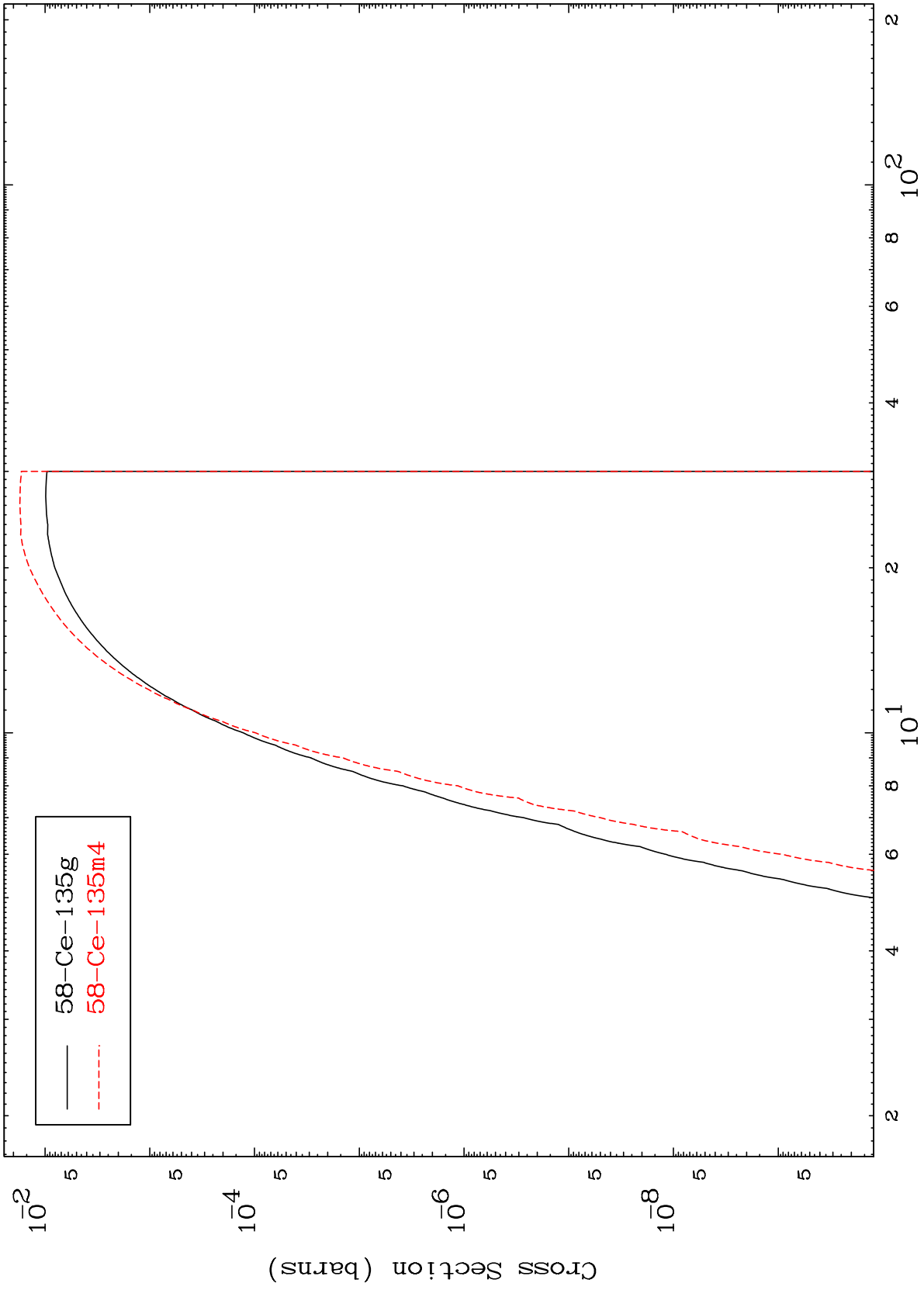
Incident Energy (MeV)

59-Pr-136

MAT 5910

59-Pr-136

(n,d)  
Radionuclide Production Cross Section



122

Incident Energy (MeV)

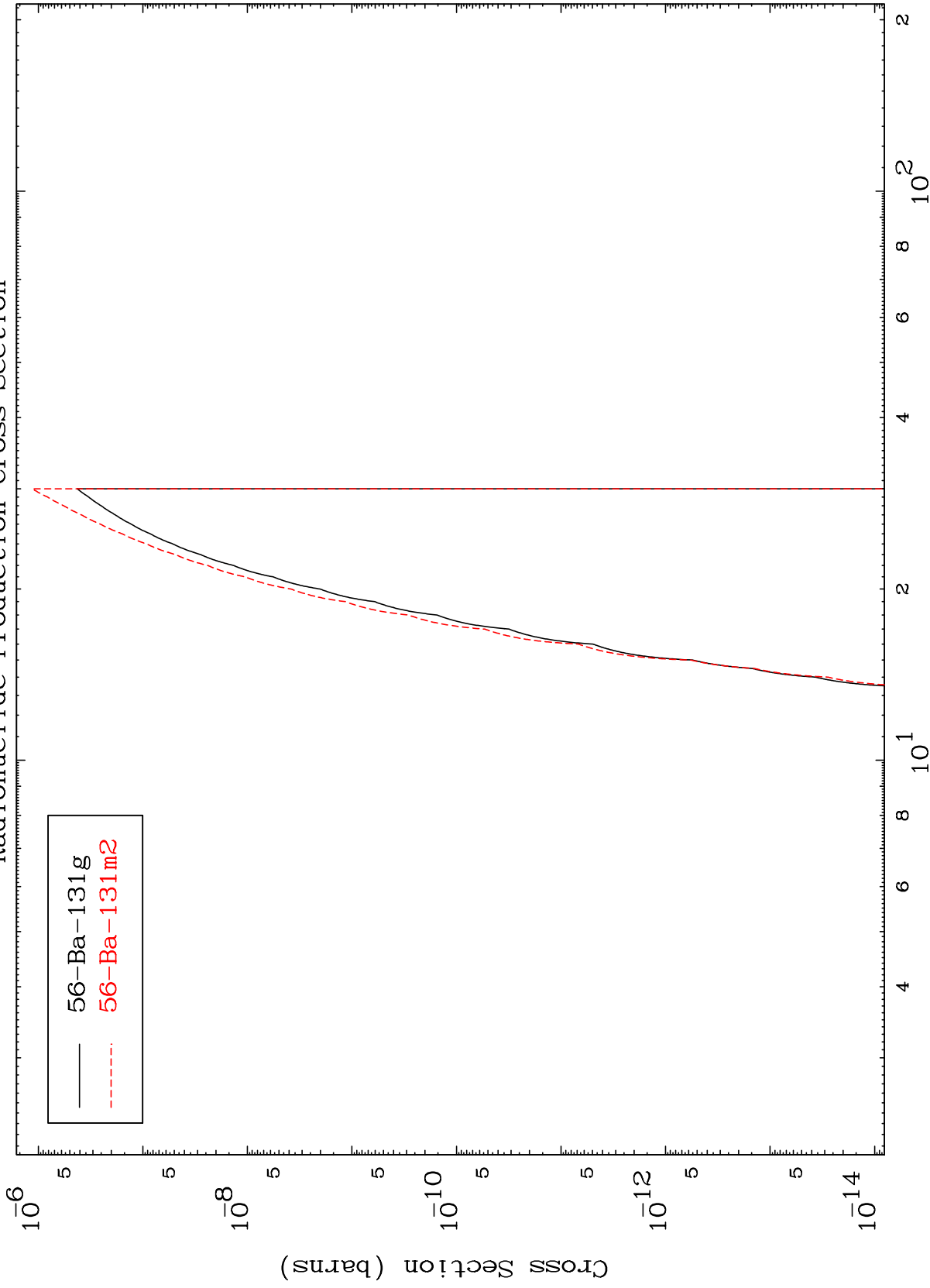
59-Pr-136

MAT 5910

(n,d)  $\alpha$

59-Pr-136

Radionuclide Production Cross Section



123

Incident Energy (MeV)

59-Pr-136