

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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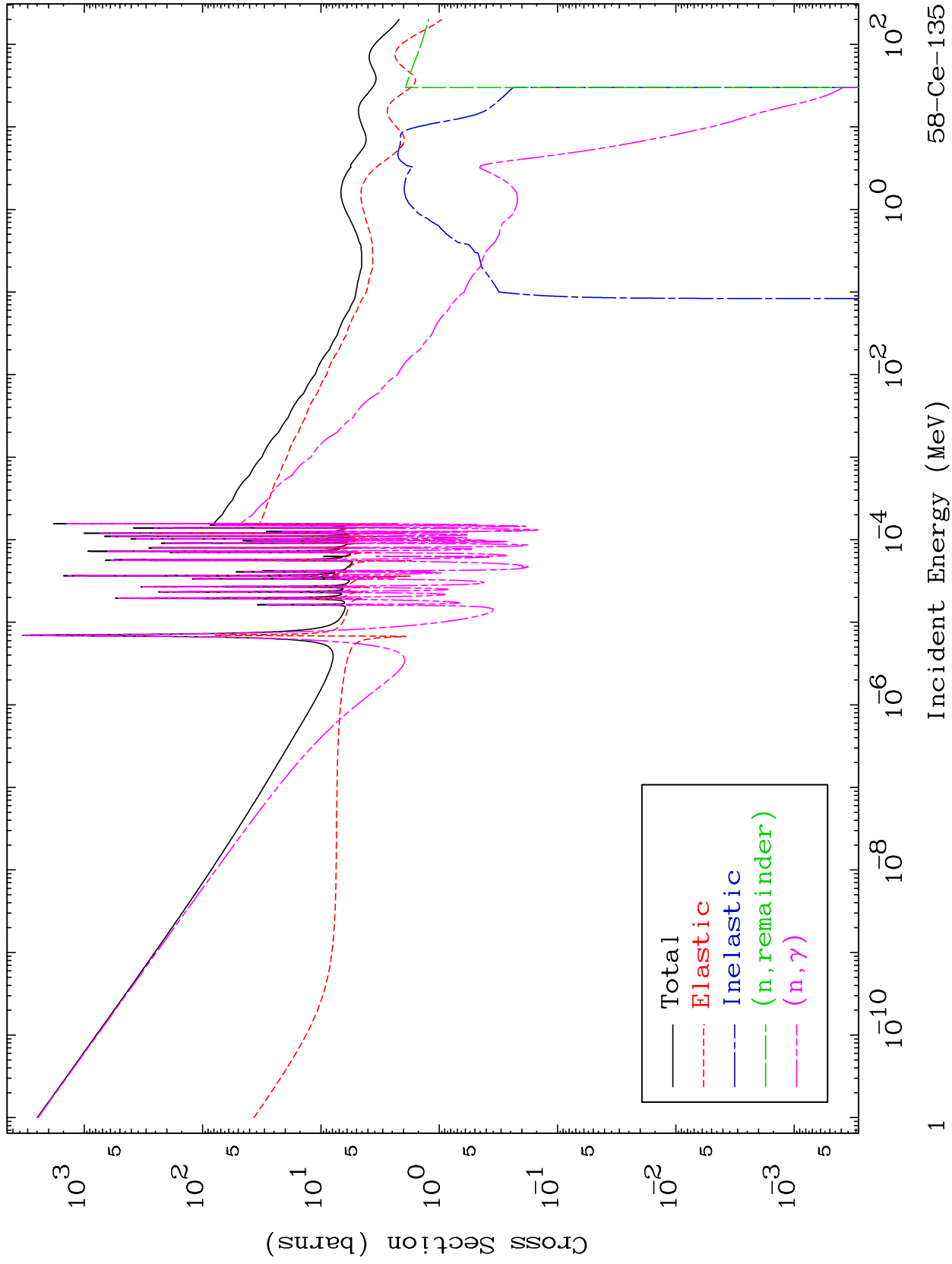
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5822

Major  
293 Kelvin Cross Sections

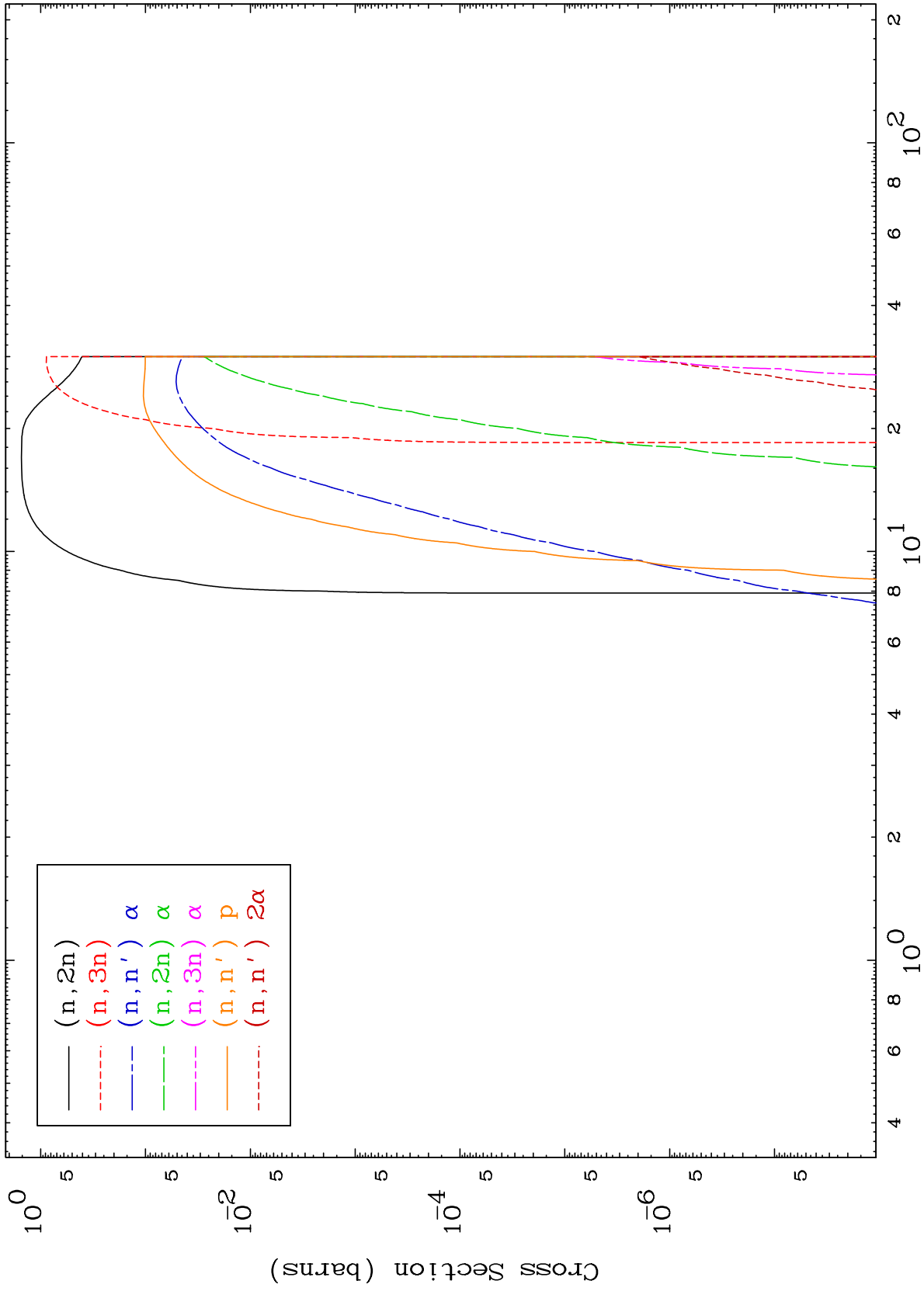
58-Ce-135



MAT 5822

Neutron Production  
293 Kelvin Cross Sections

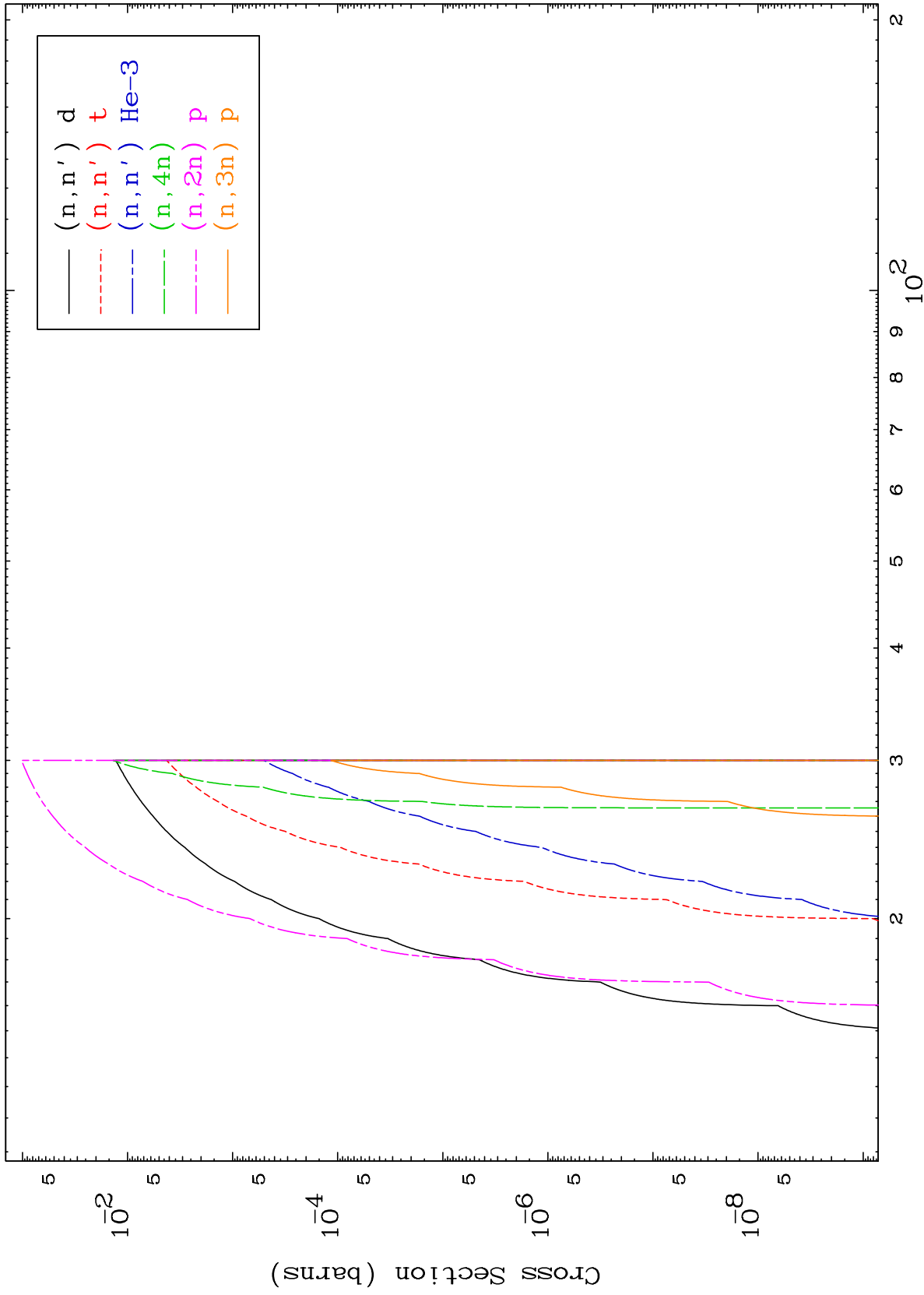
58-Ce-135

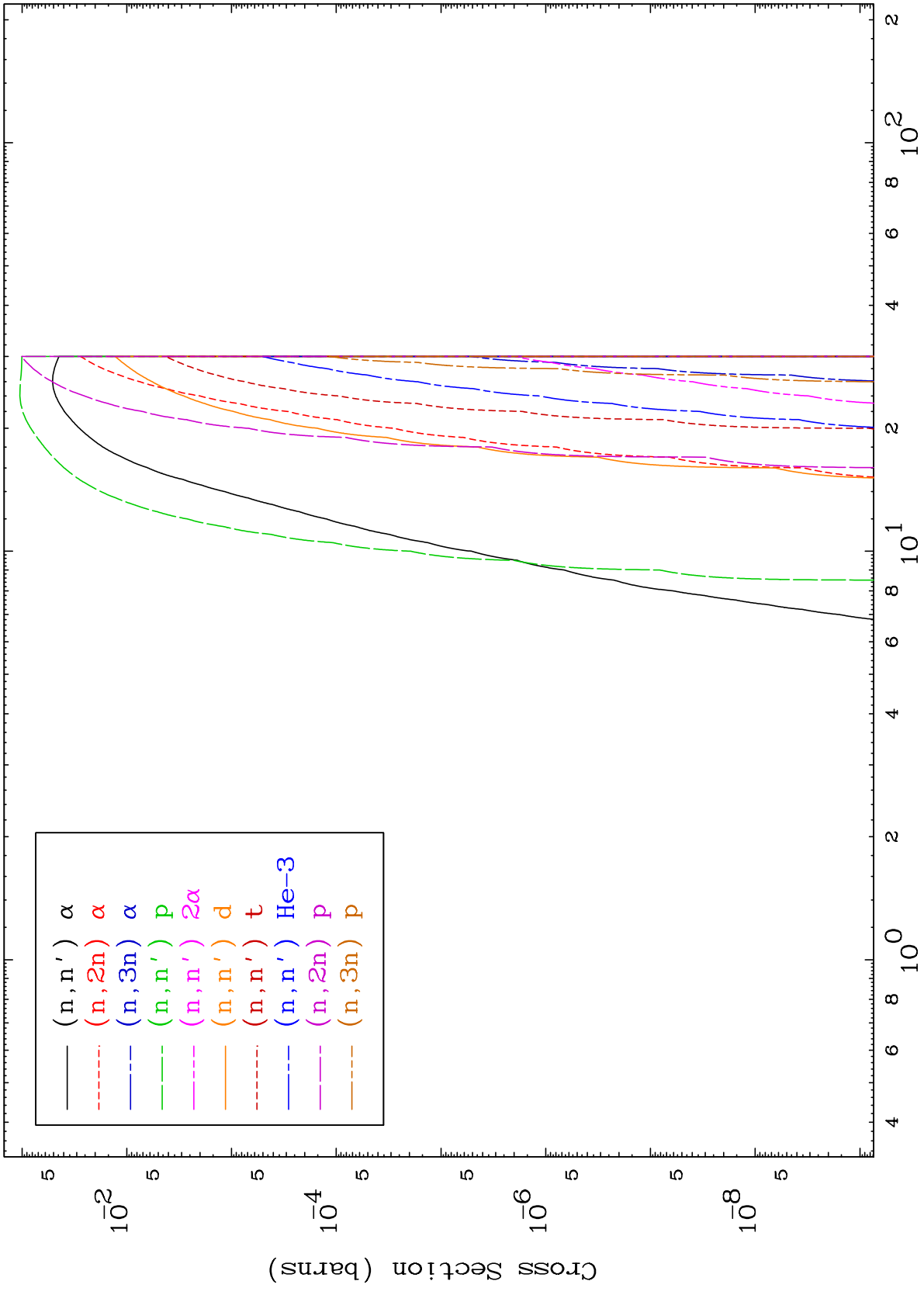


2

Incident Energy (MeV)

58-Ce-135

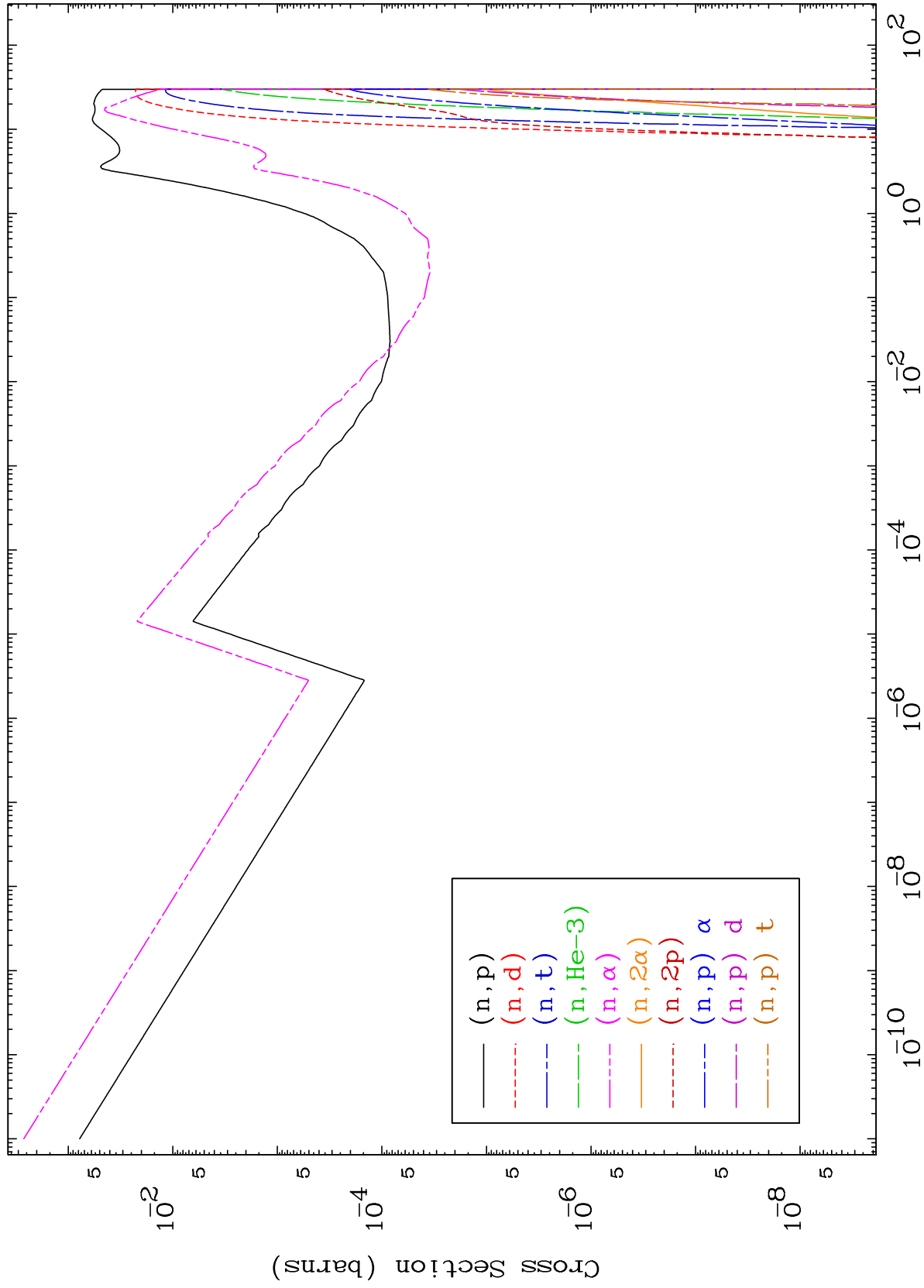




MAT 5822

Charged Particle  
293 Kelvin Cross Sections

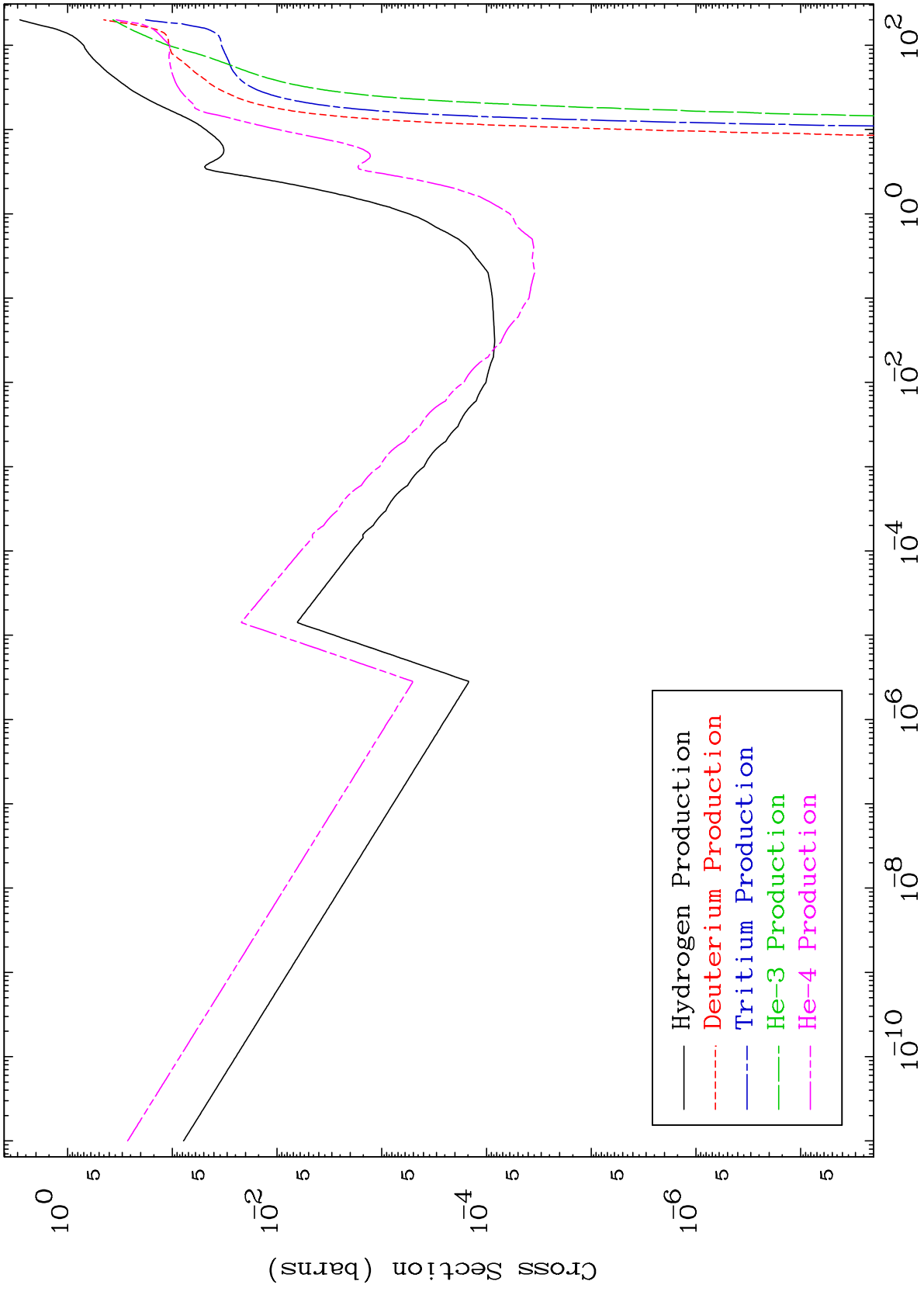
58-Ce-135



5

Incident Energy (MeV)

58-Ce-135

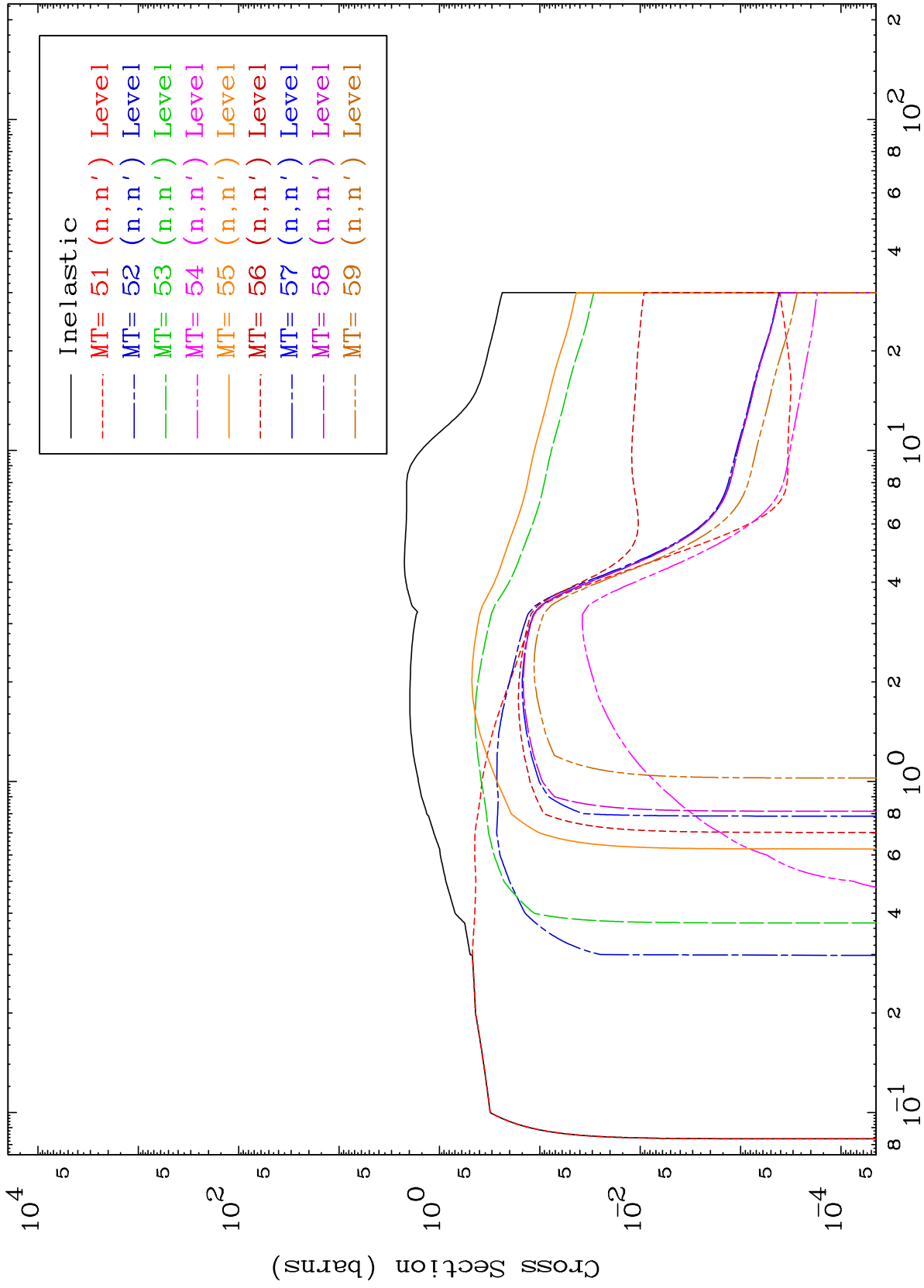


MAT 5822

(n,n') Level

58-Ce-135

293 Kelvin Cross Sections



7

Incident Energy (MeV)

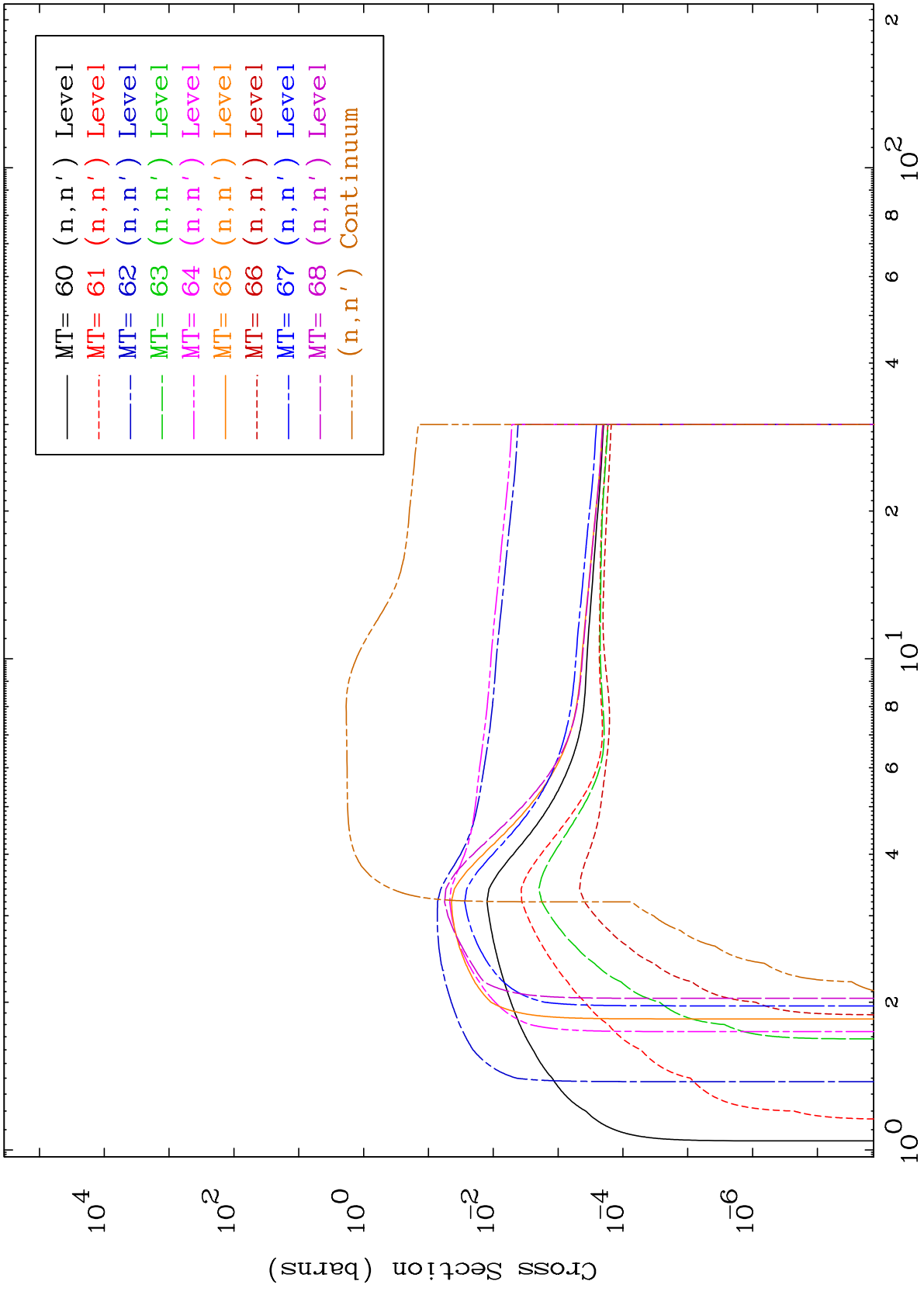
58-Ce-135



MAT 5822

(n,n') Level  
293 Kelvin Cross Sections

58-Ce-135



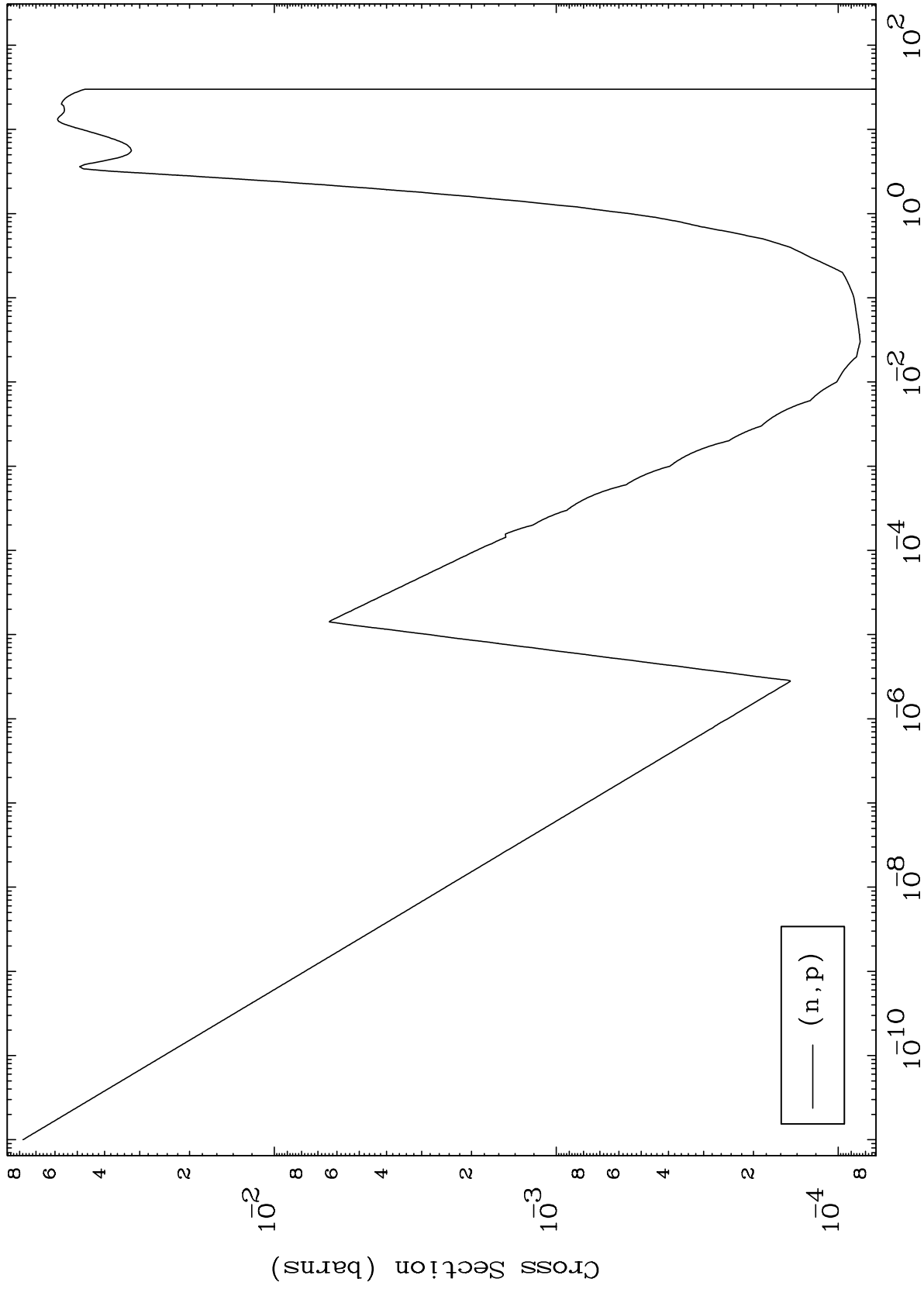
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,p) Levels  
293 Kelvin Cross Sections

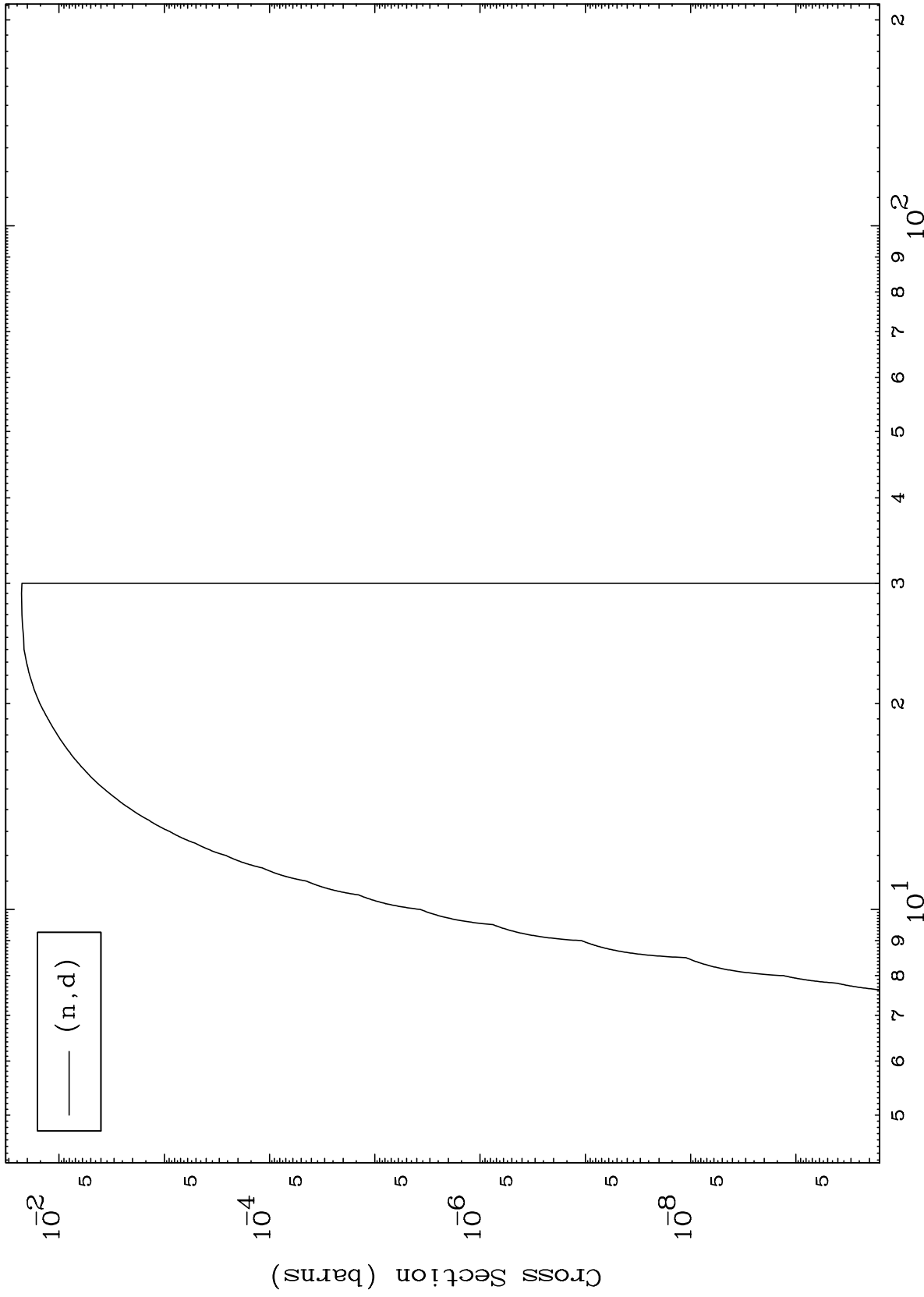
58-Ce-135



MAT 5822

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-135



10

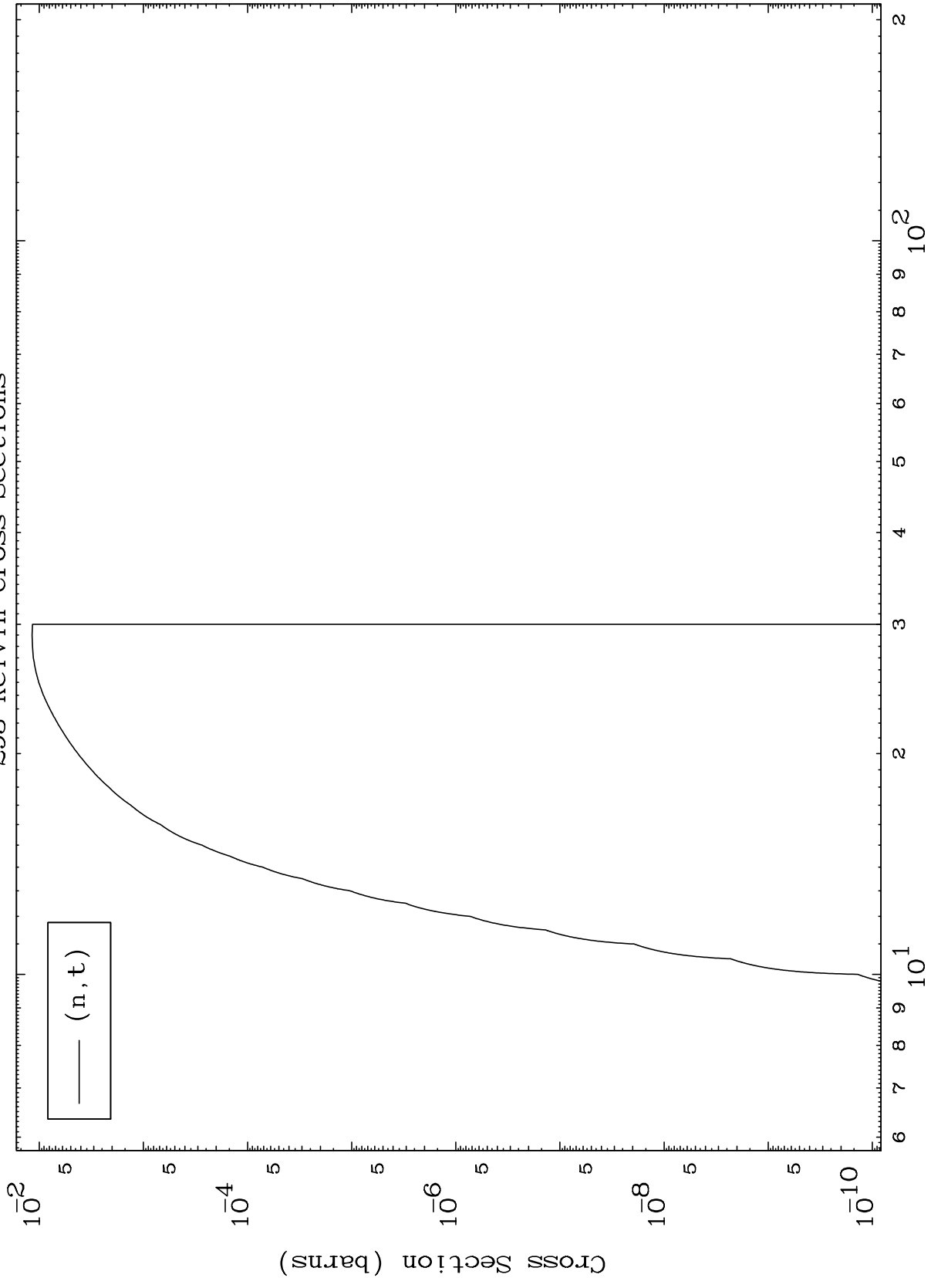
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-135



11

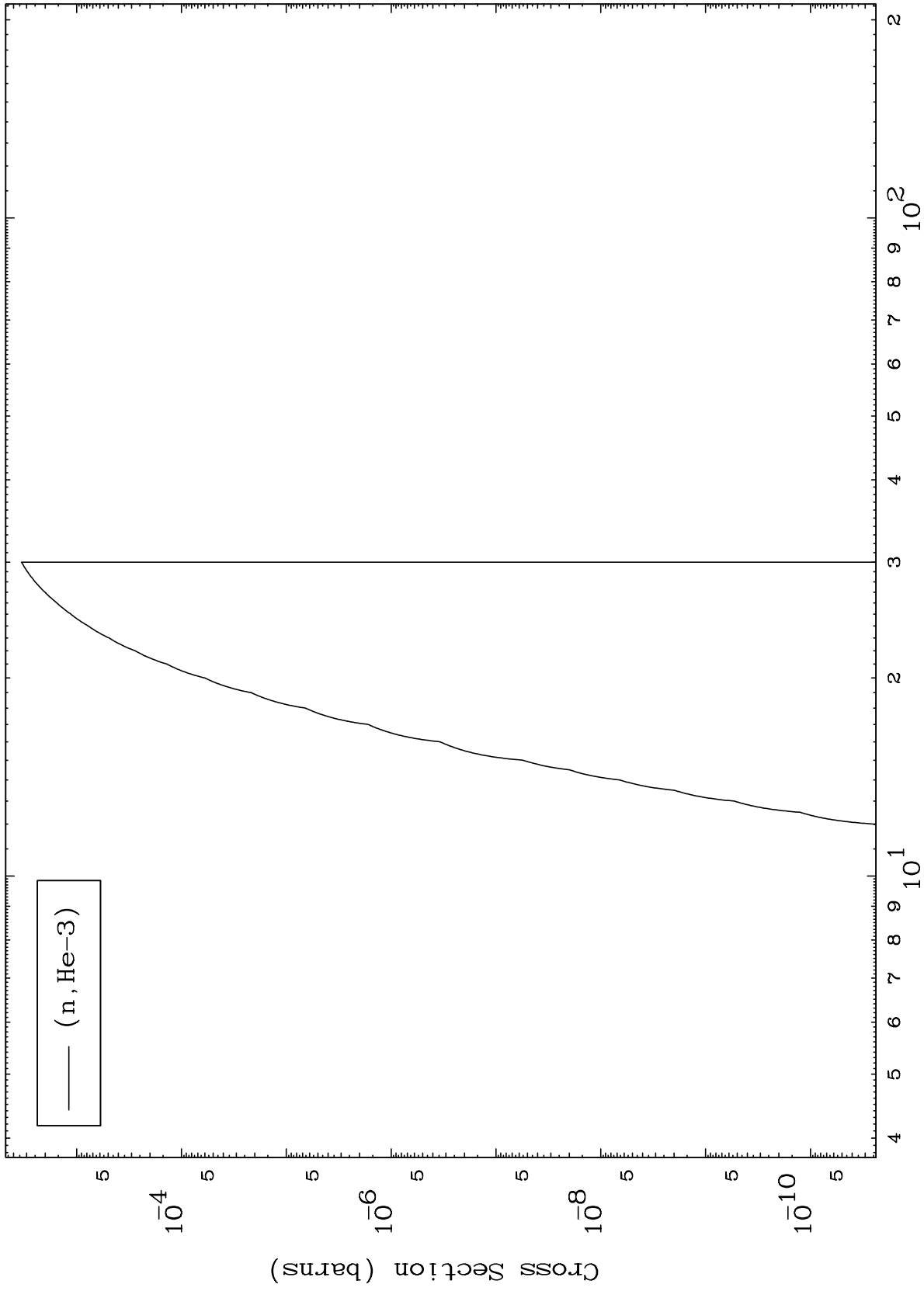
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-135



12

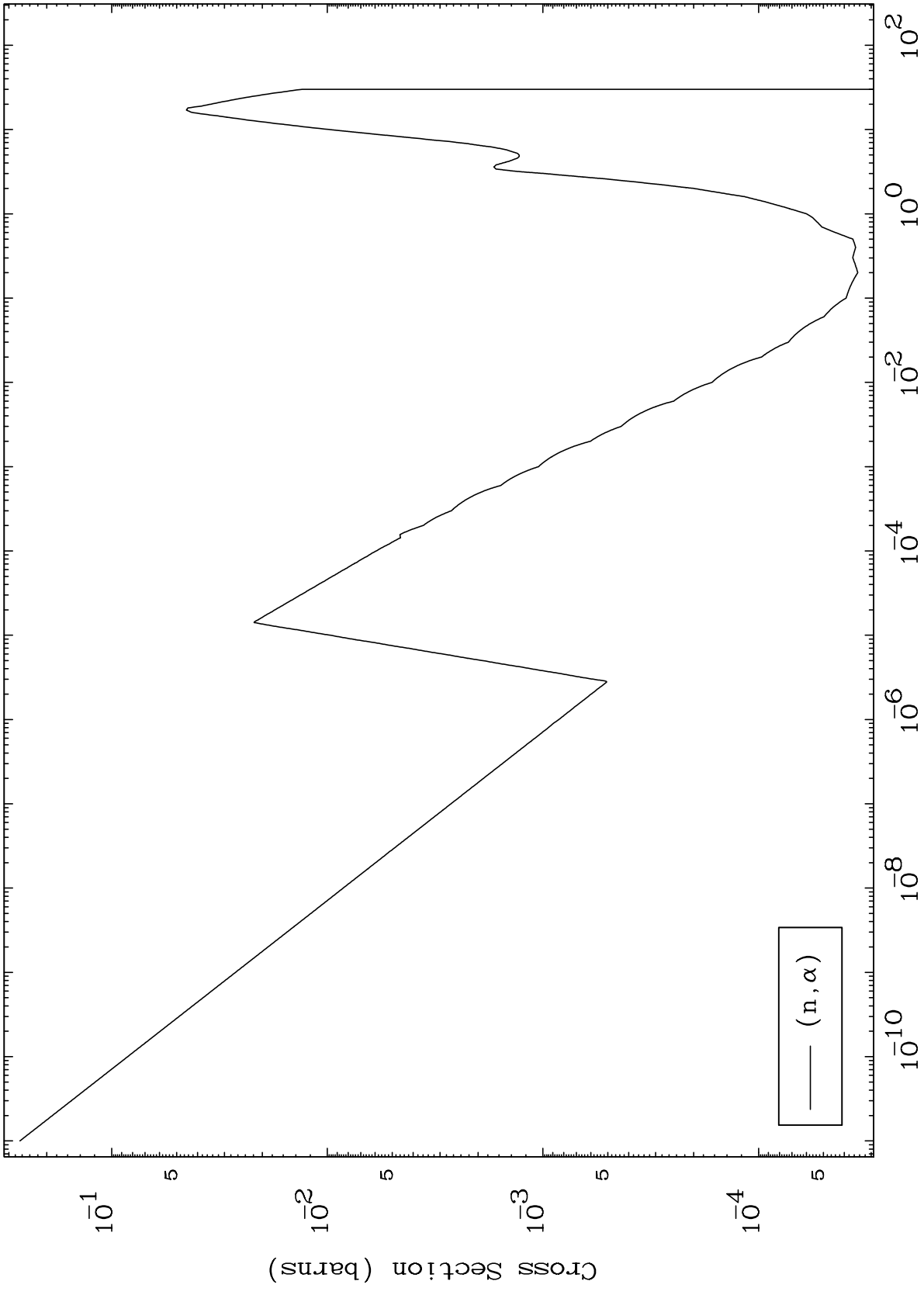
Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,α) Levels  
293 Kelvin Cross Sections

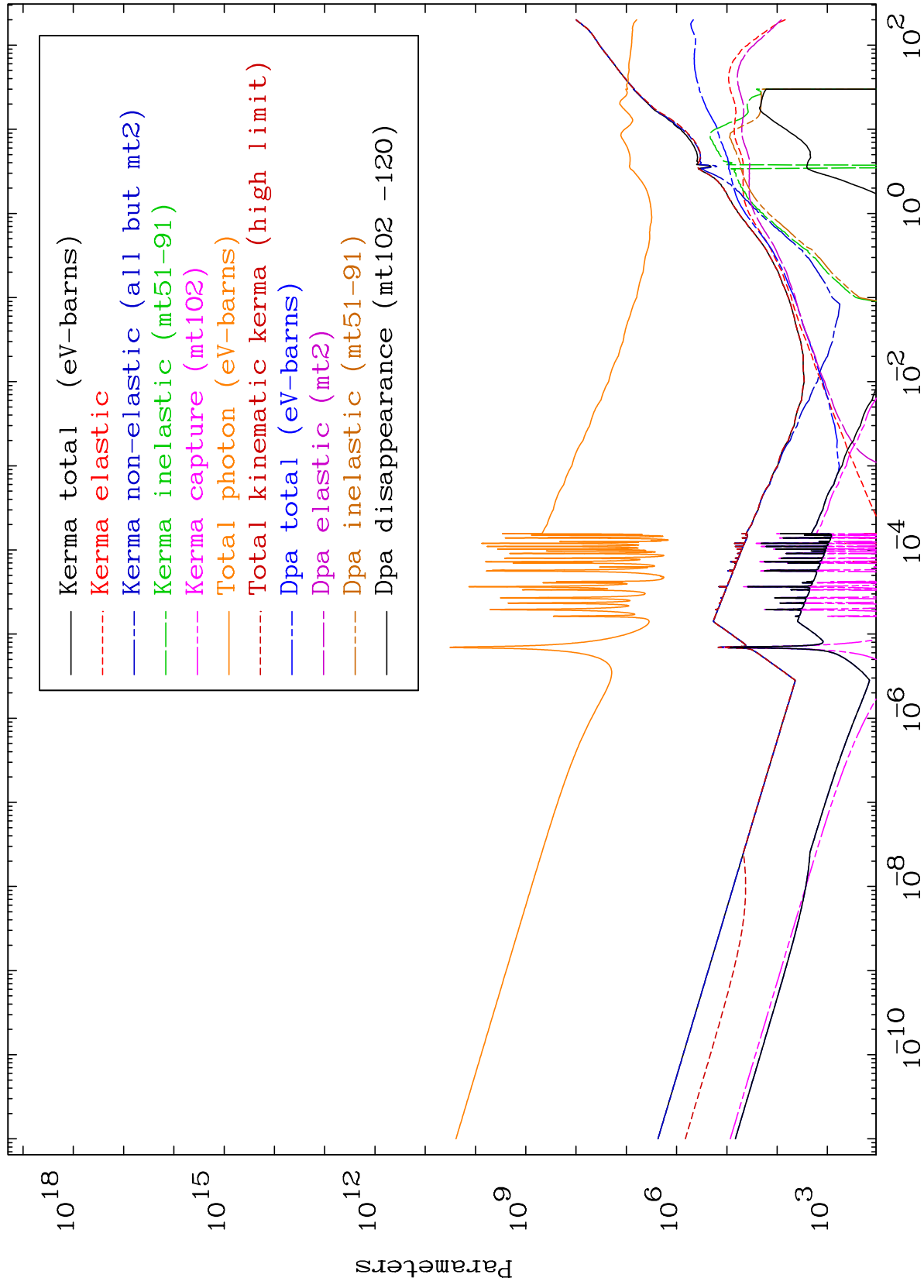
58-Ce-135



13

Incident Energy (MeV)

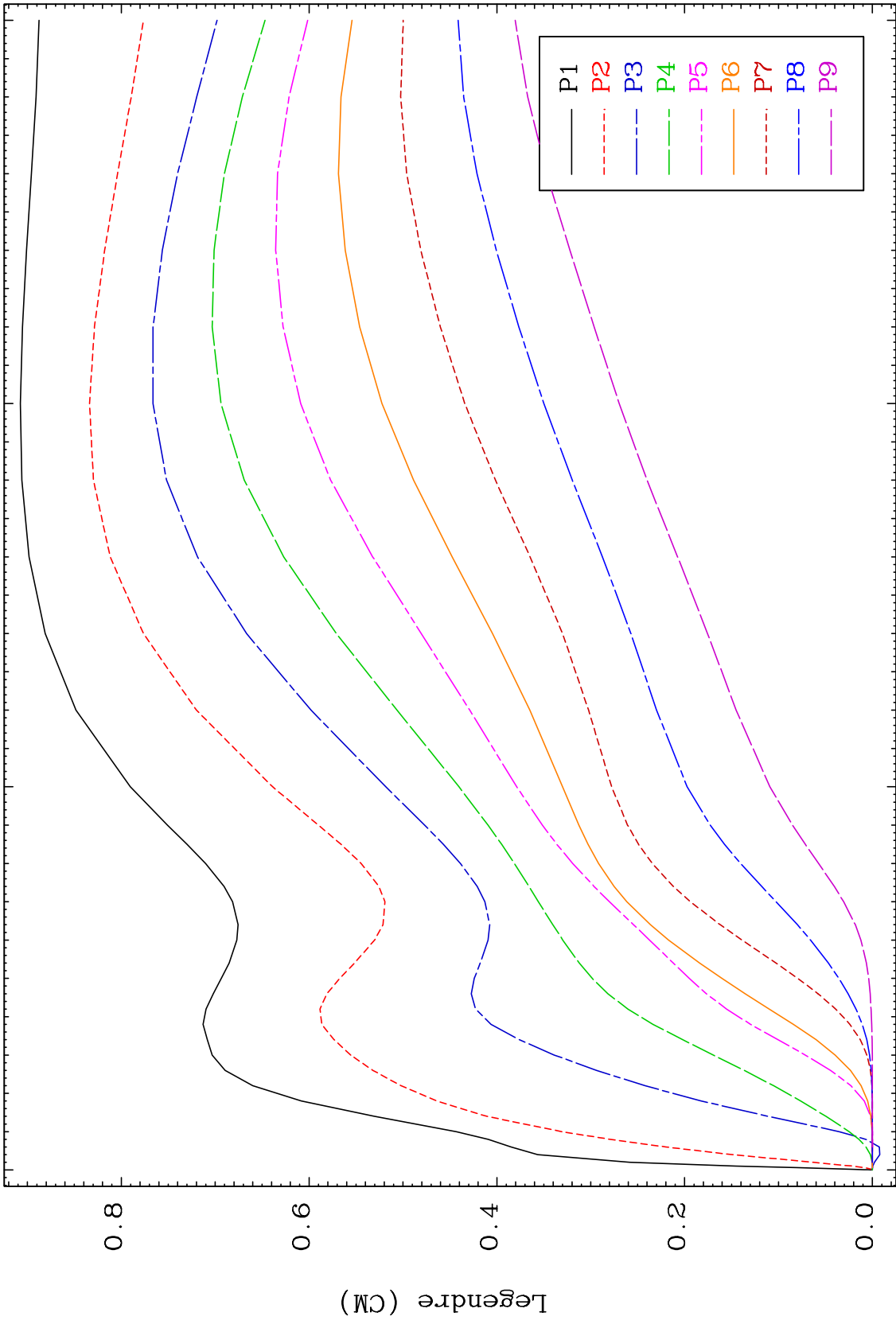
58-Ce-135



MAT 5822

Elastic Legendre Coefficients

58-Ce-135



15

Incident Energy (MeV)

58-Ce-135

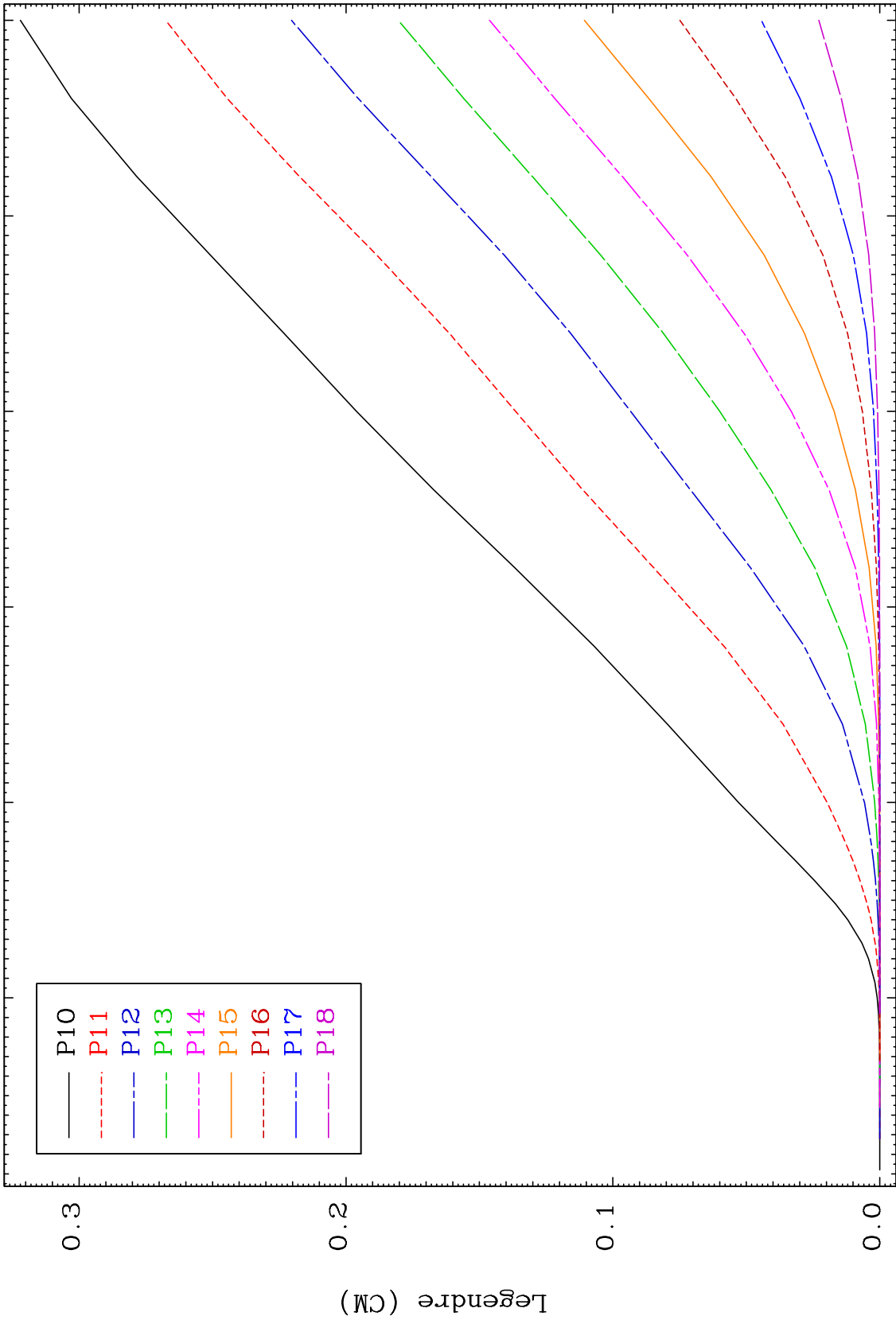
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MAT 5822

Elastic Legendre Coefficients

58-Ce-135



16

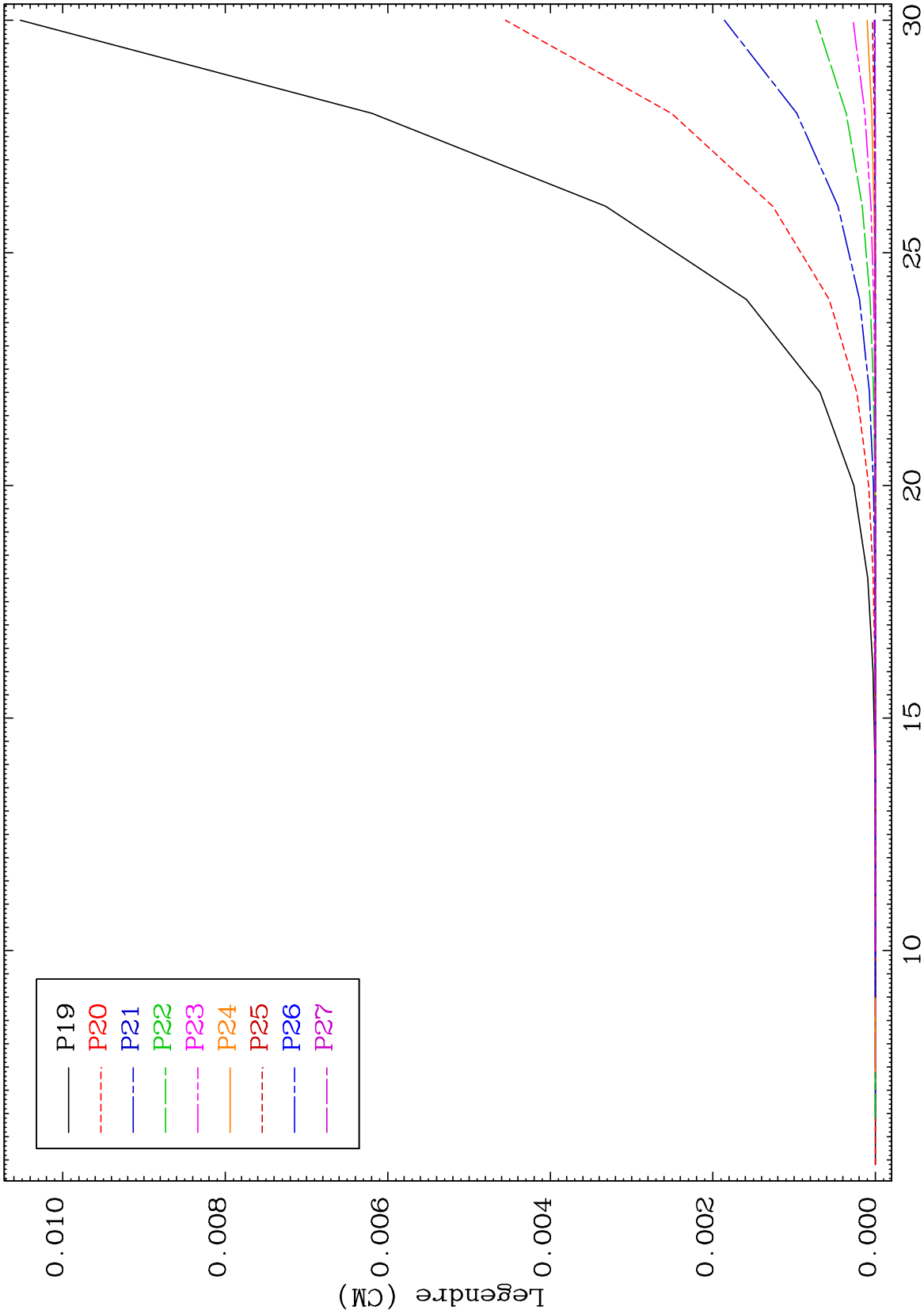
Incident Energy (MeV)

58-Ce-135

MAT 5822

### Elastic Legendre Coefficients

58-Ce-135

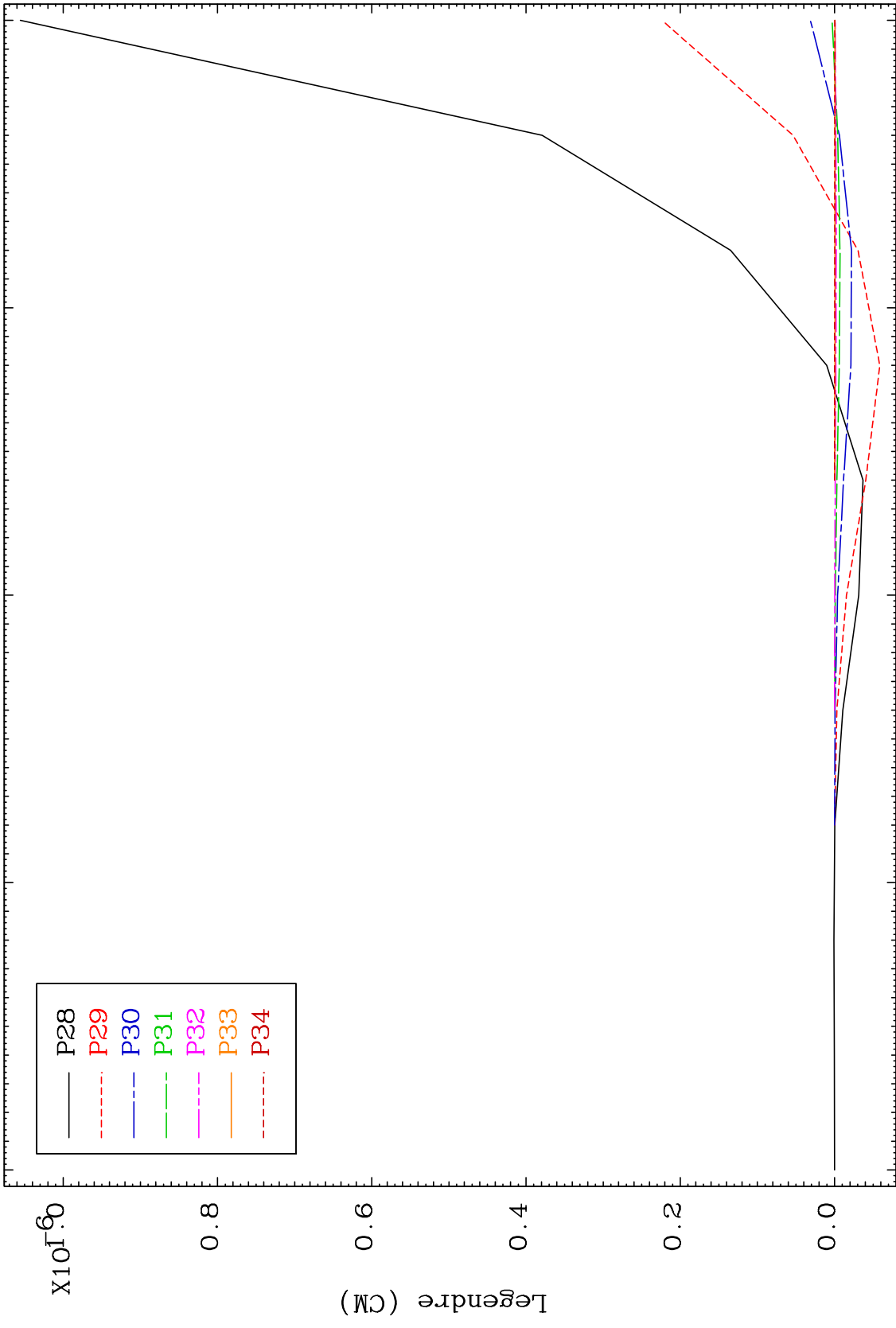


58-Ce-135

MAT 5822

Elastic Legendre Coefficients

58-Ce-135



10

15

20

25

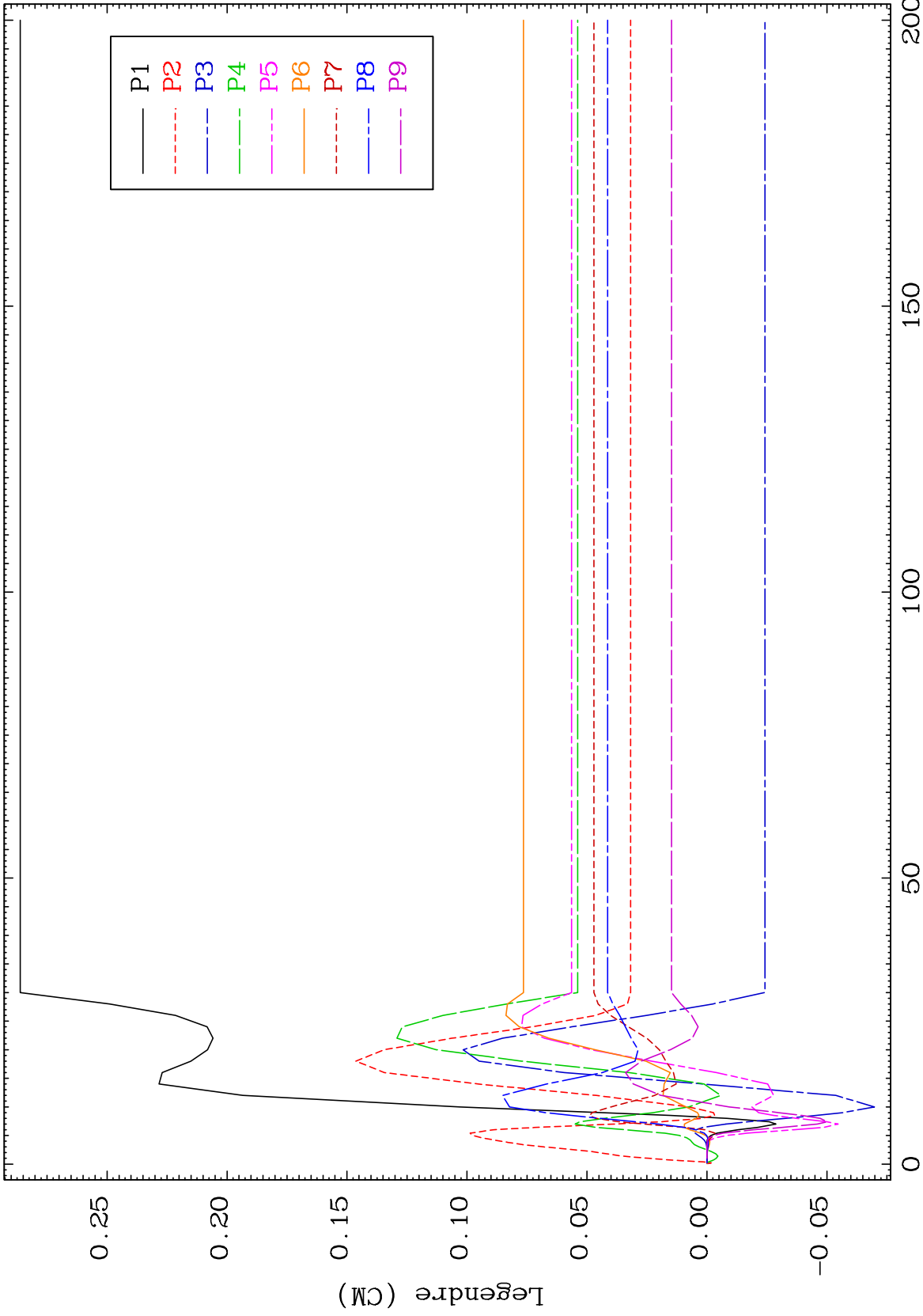
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58-Ce-135

MAT 5822

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

58-Ce-135



19

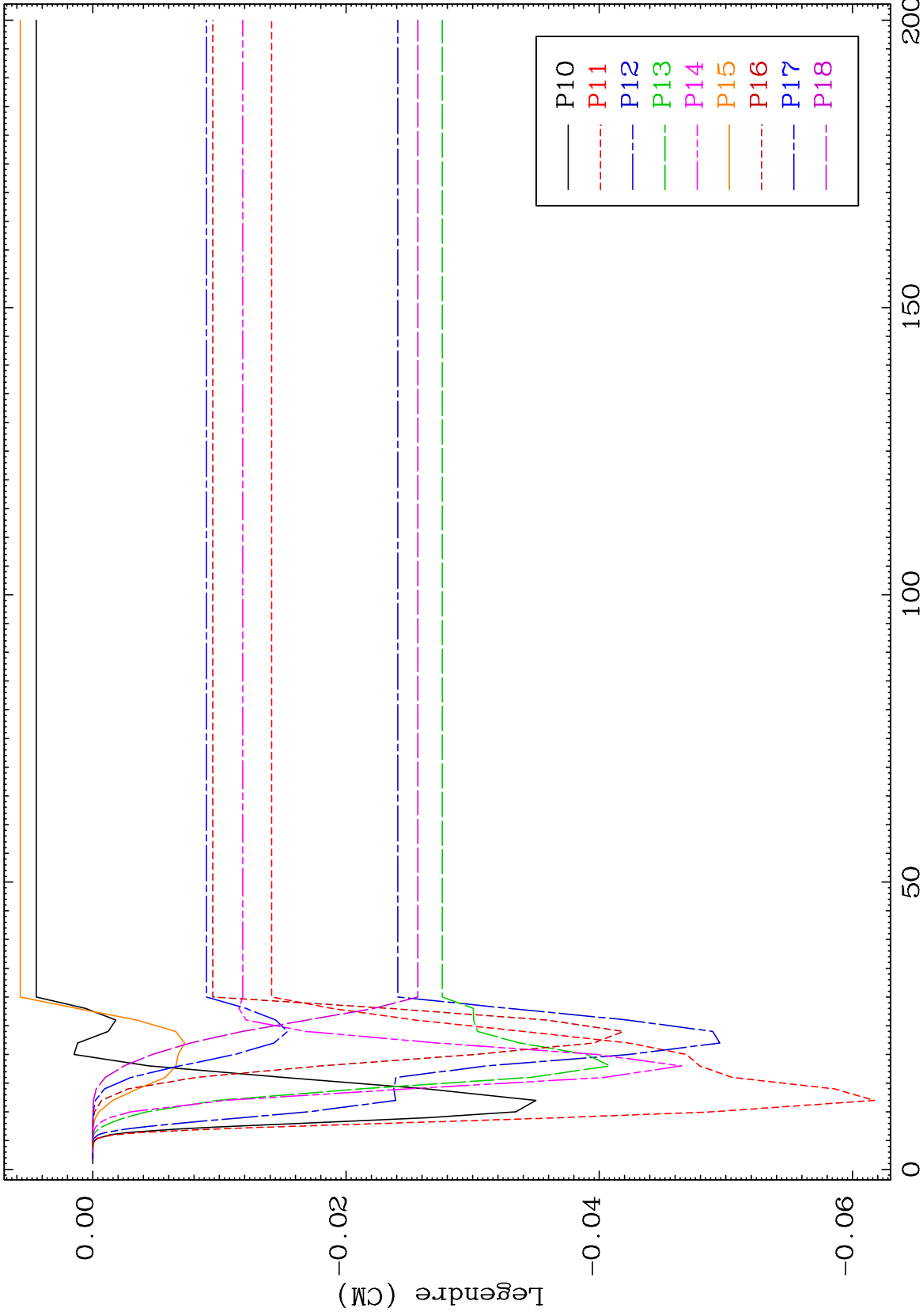
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135

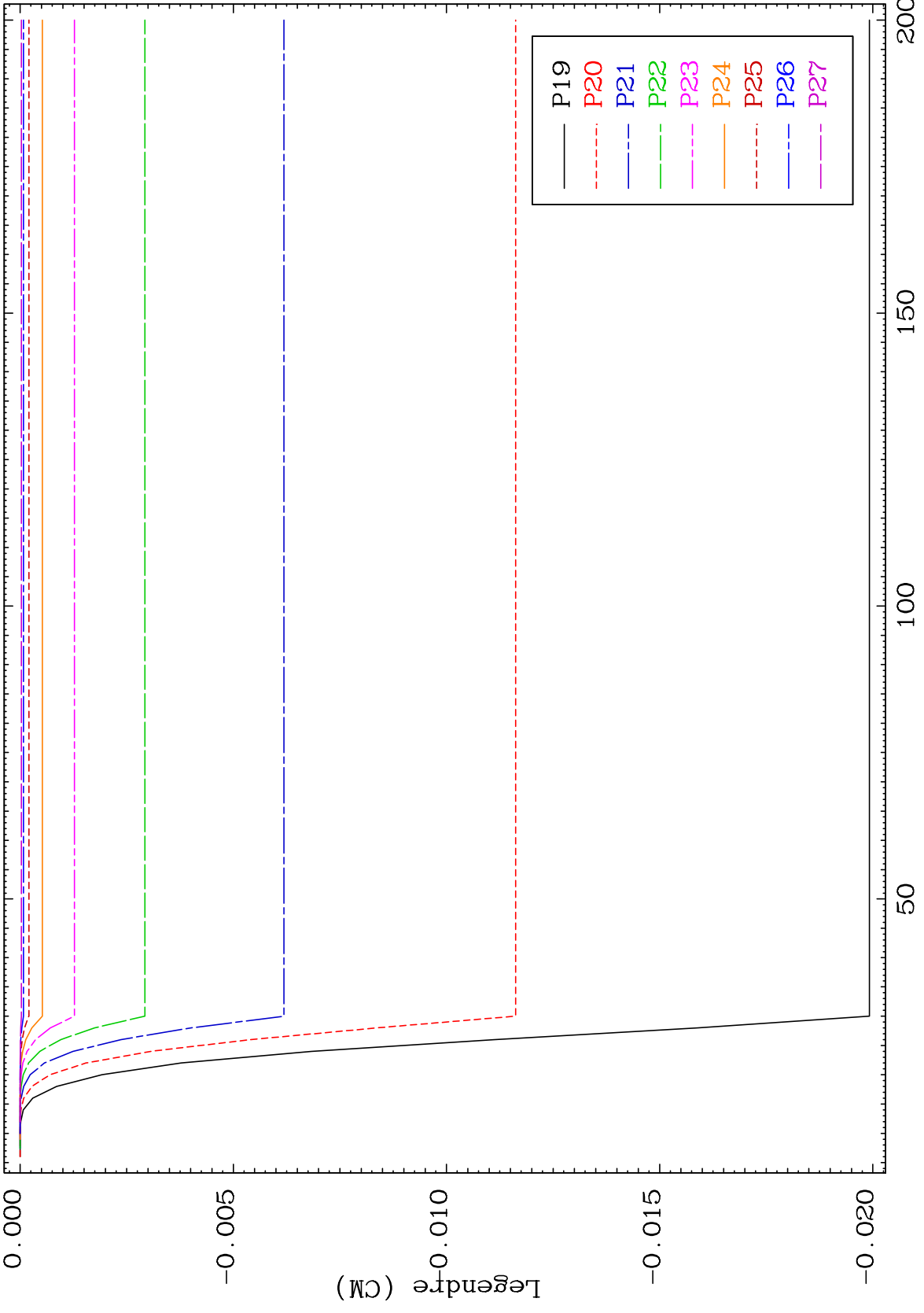


58-Ce-135

Incident Energy (MeV)

20

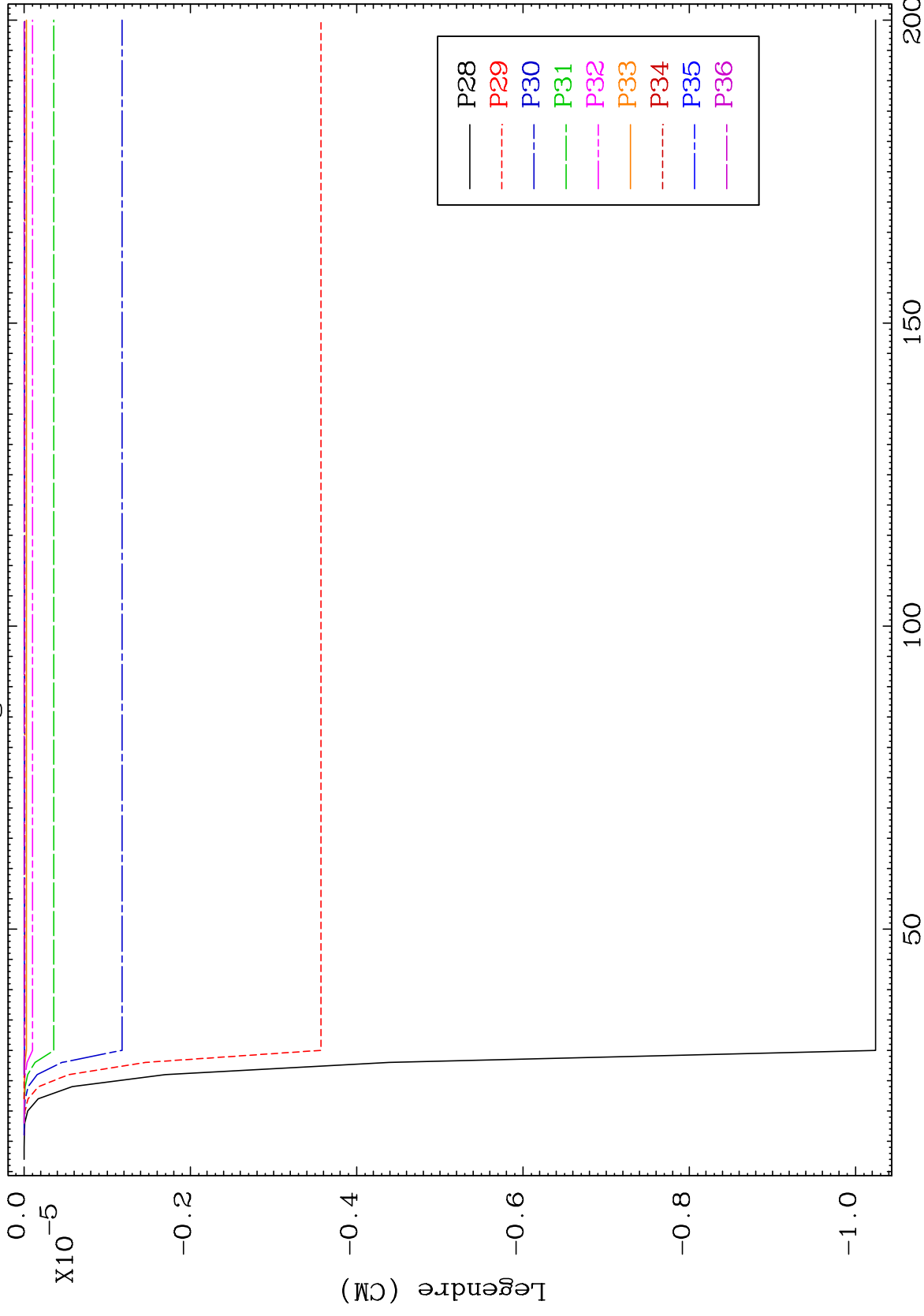
MAT 5822 MT= 51 (n,n') Level Legendre Coefficients 58-Ce-135



MAT 5822

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

58-Ce-135



58-Ce-135

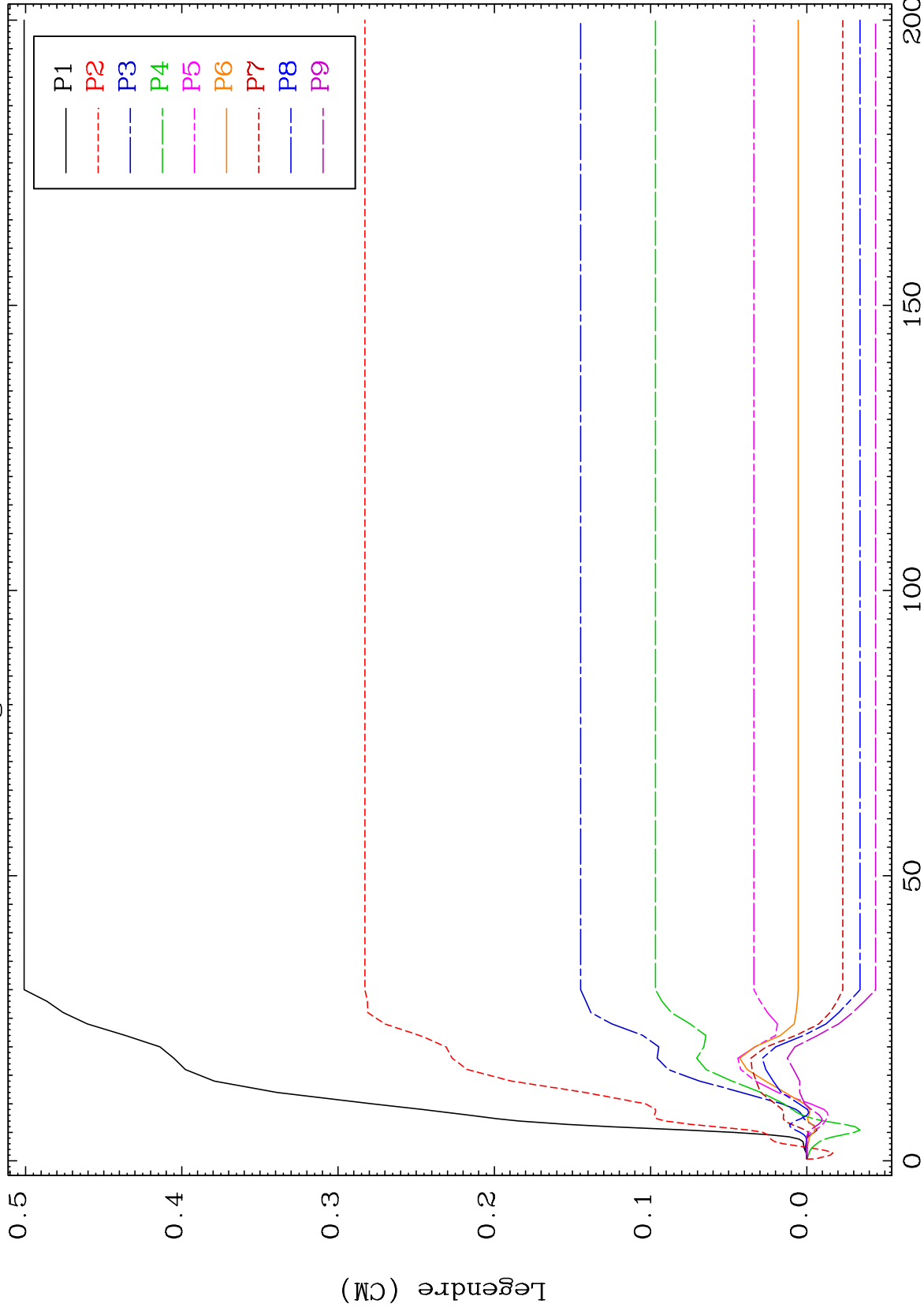
Incident Energy (MeV)

22

MAT 5822

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

58-Ce-135



23

Incident Energy (MeV)

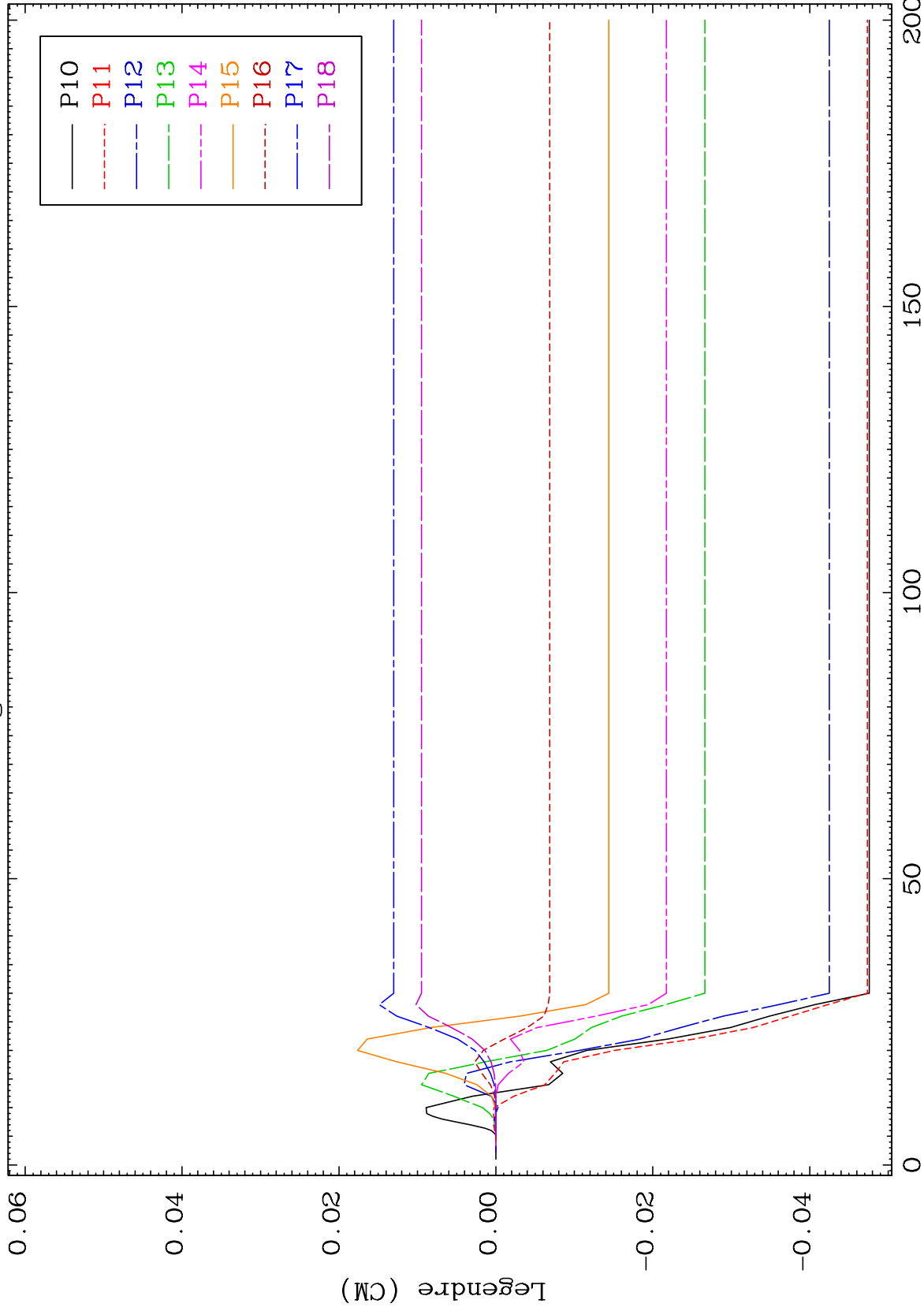
58-Ce-135



MAT 5822

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

58-Ce-135



24

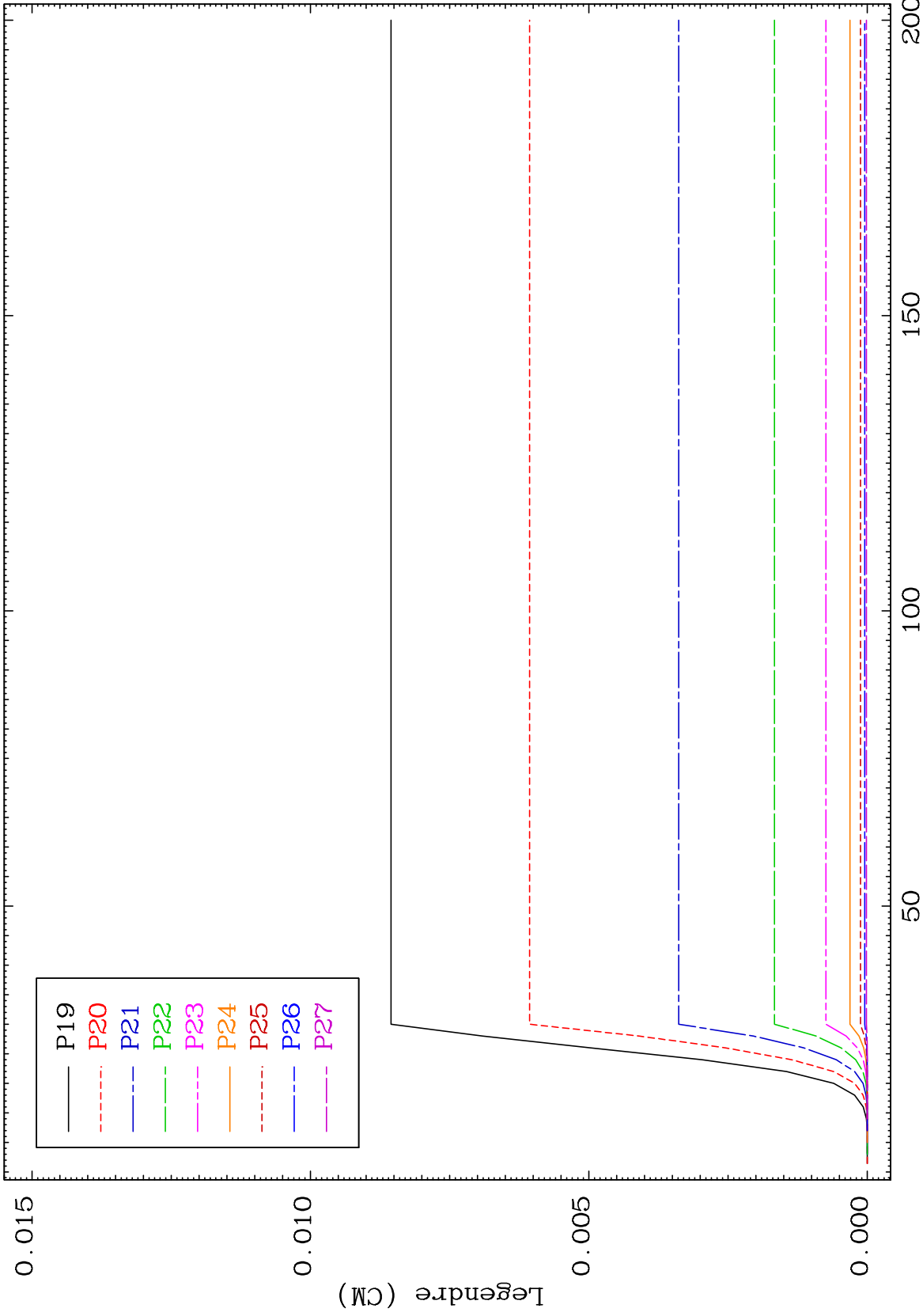
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



25

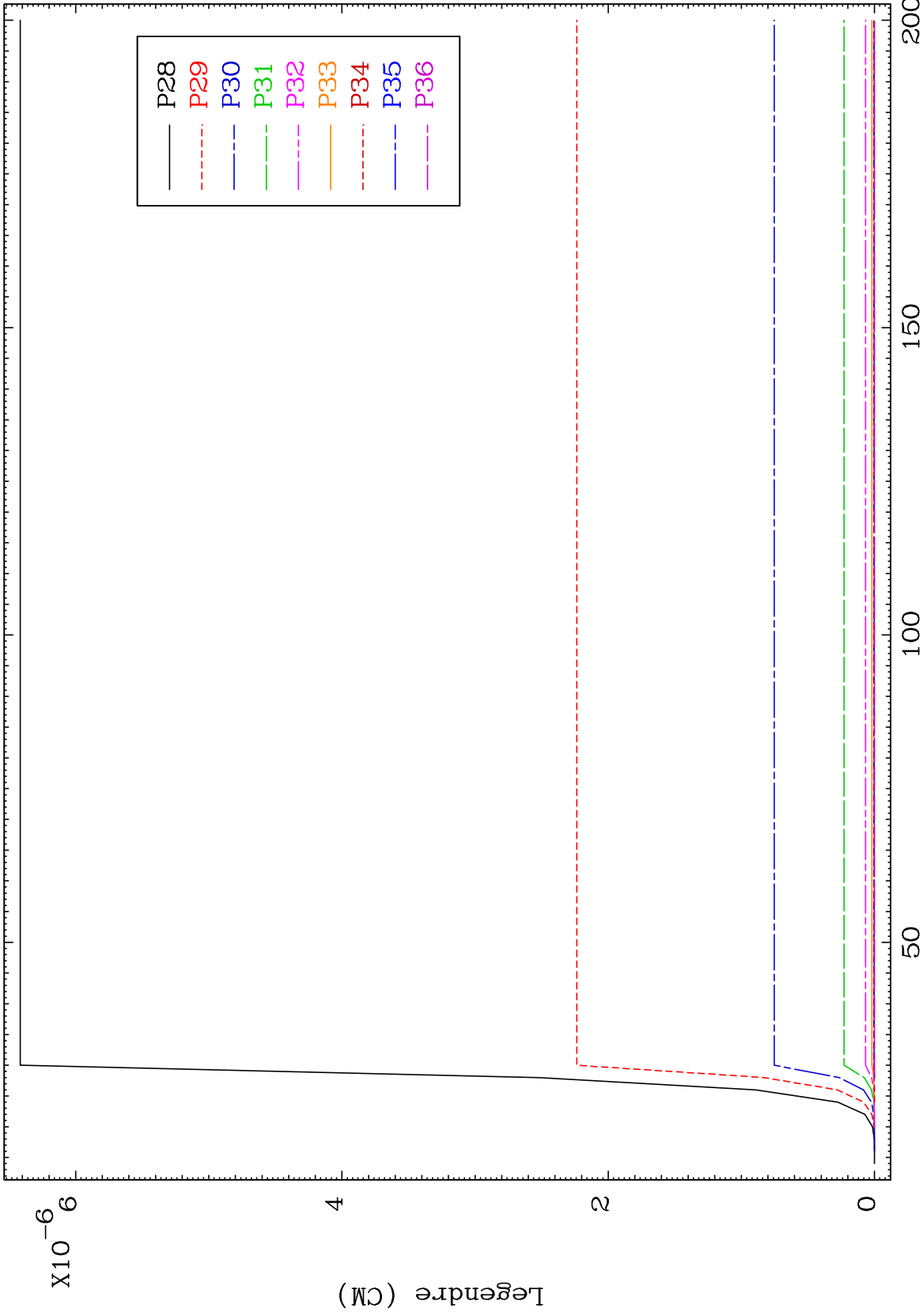
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



26

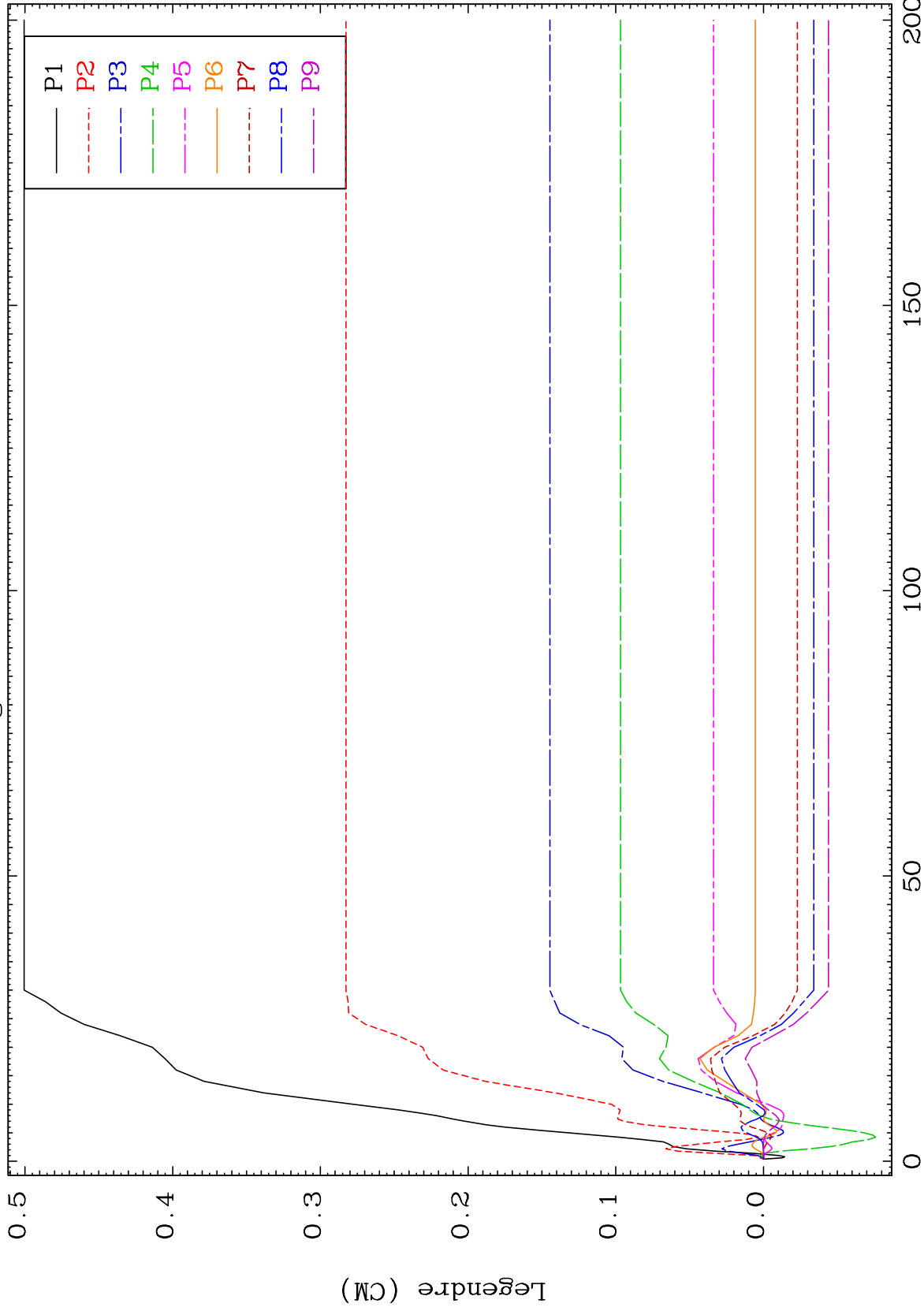
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



27

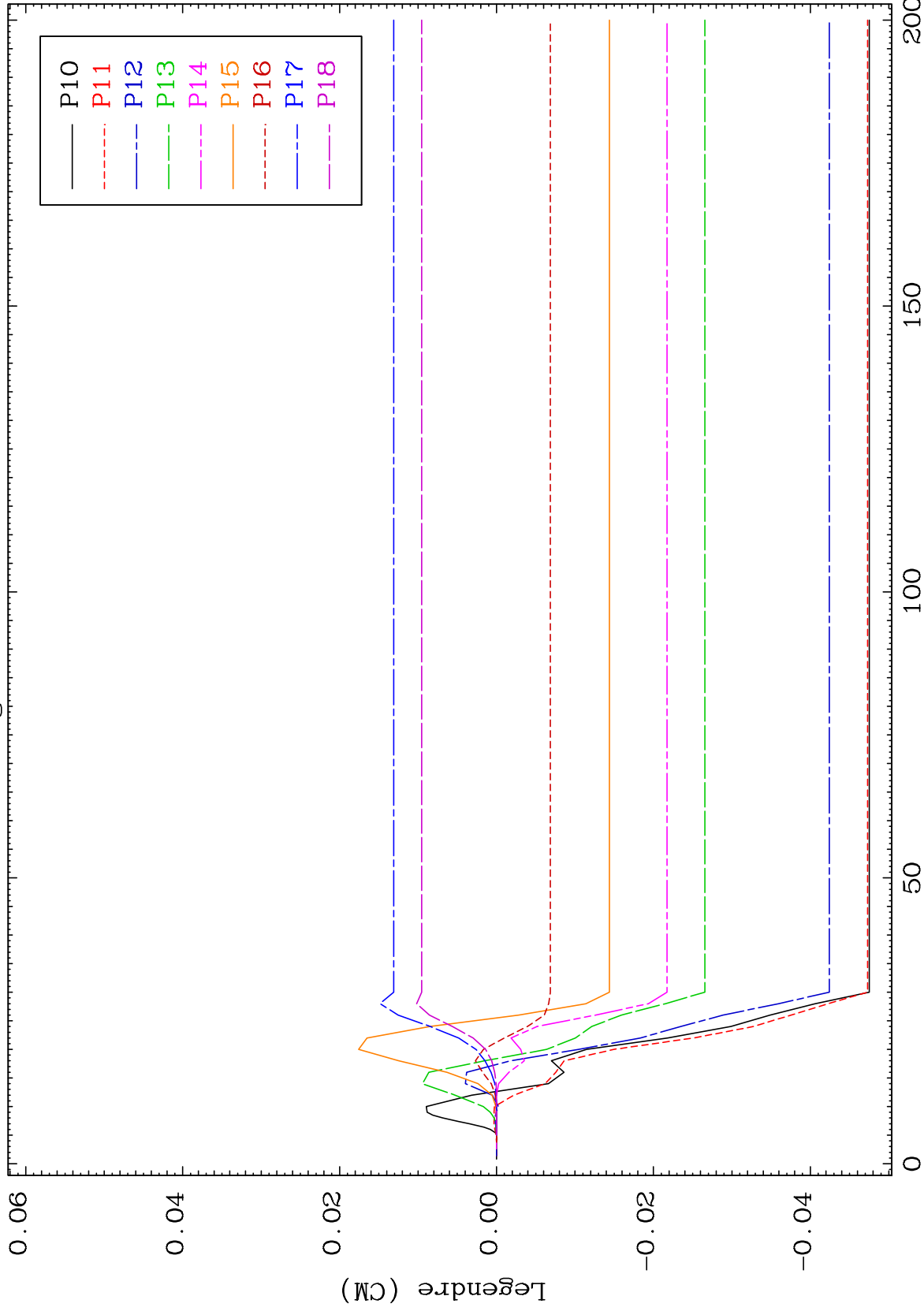
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



28

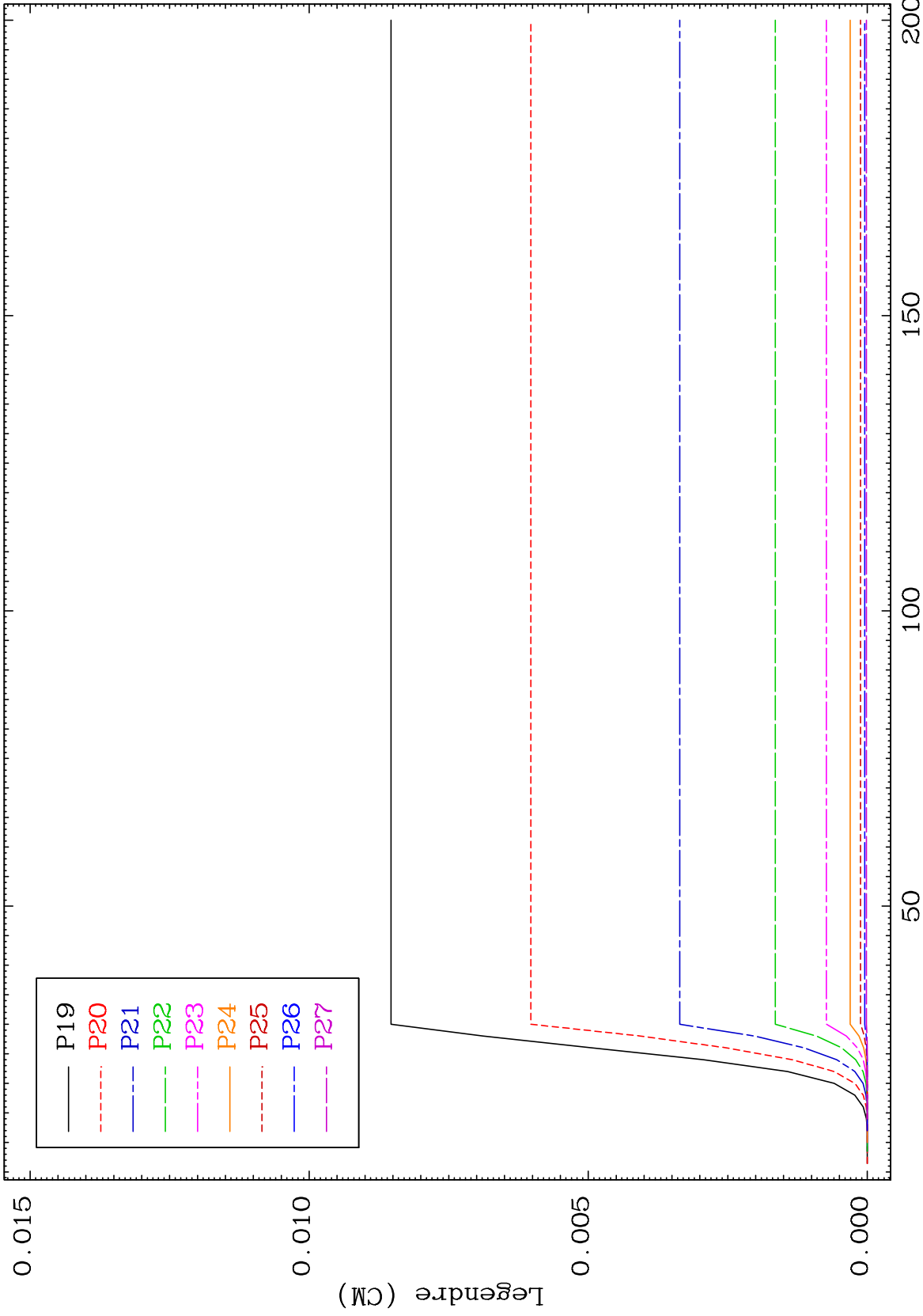
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



29

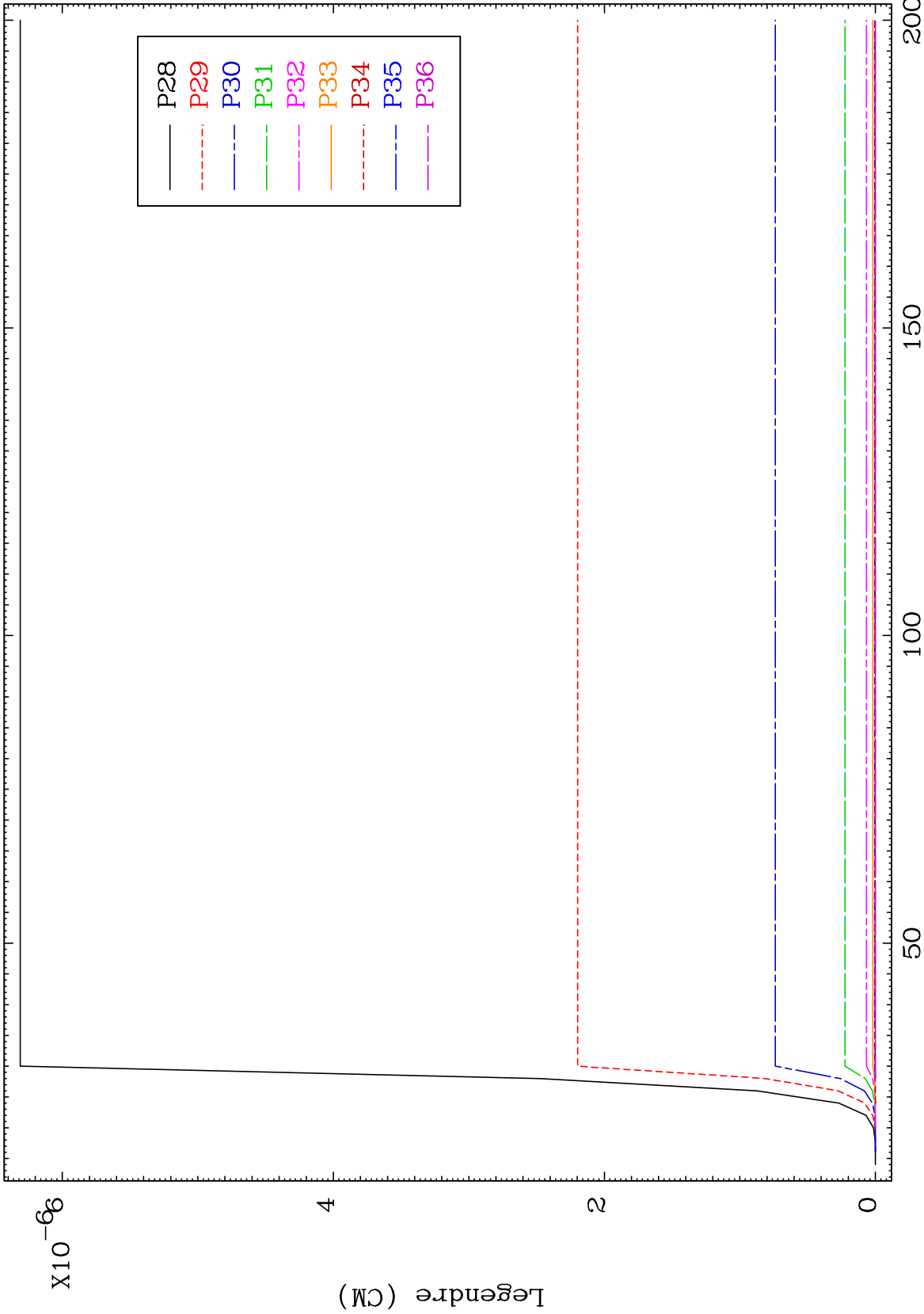
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



30

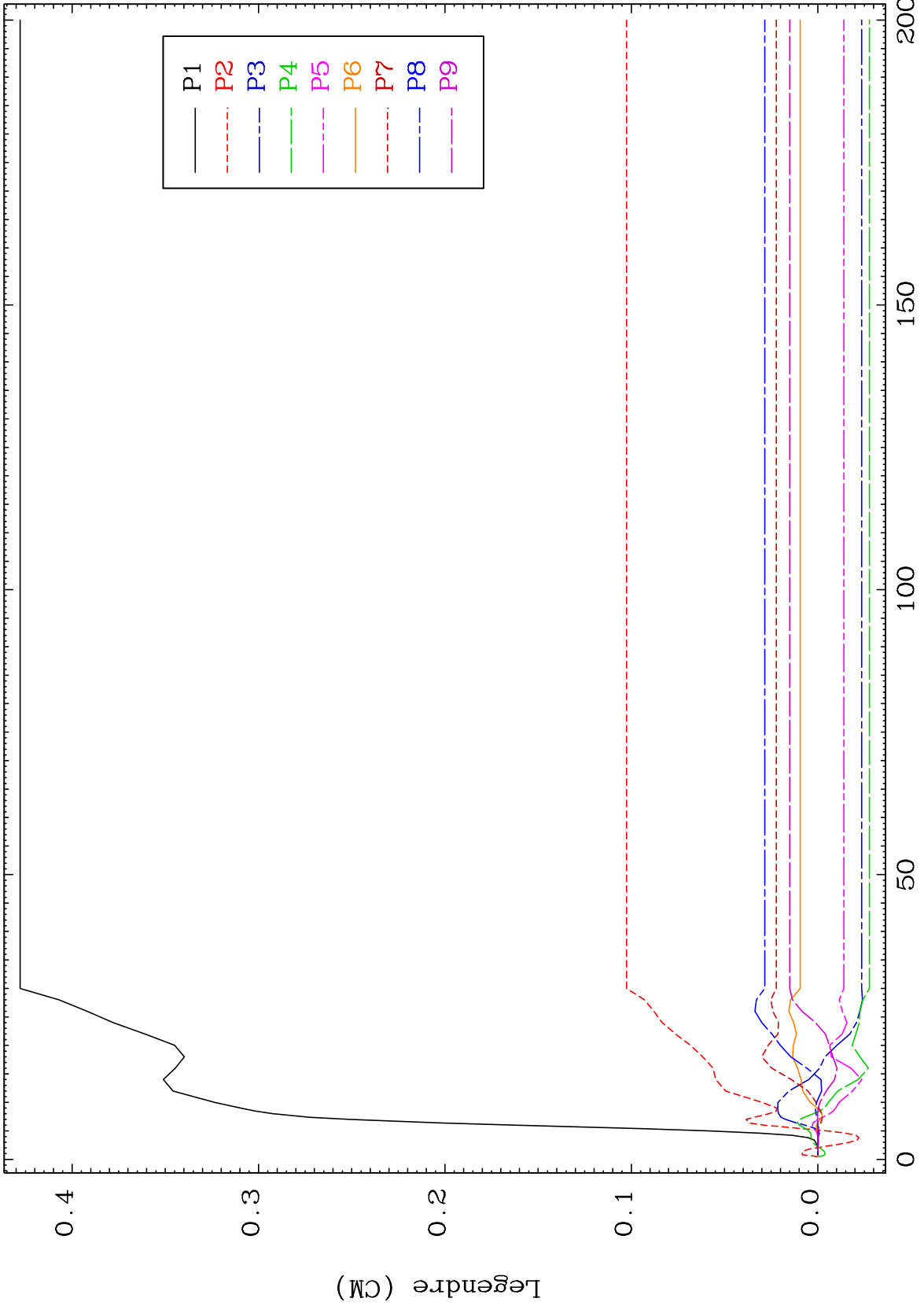
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



31

Incident Energy (MeV)

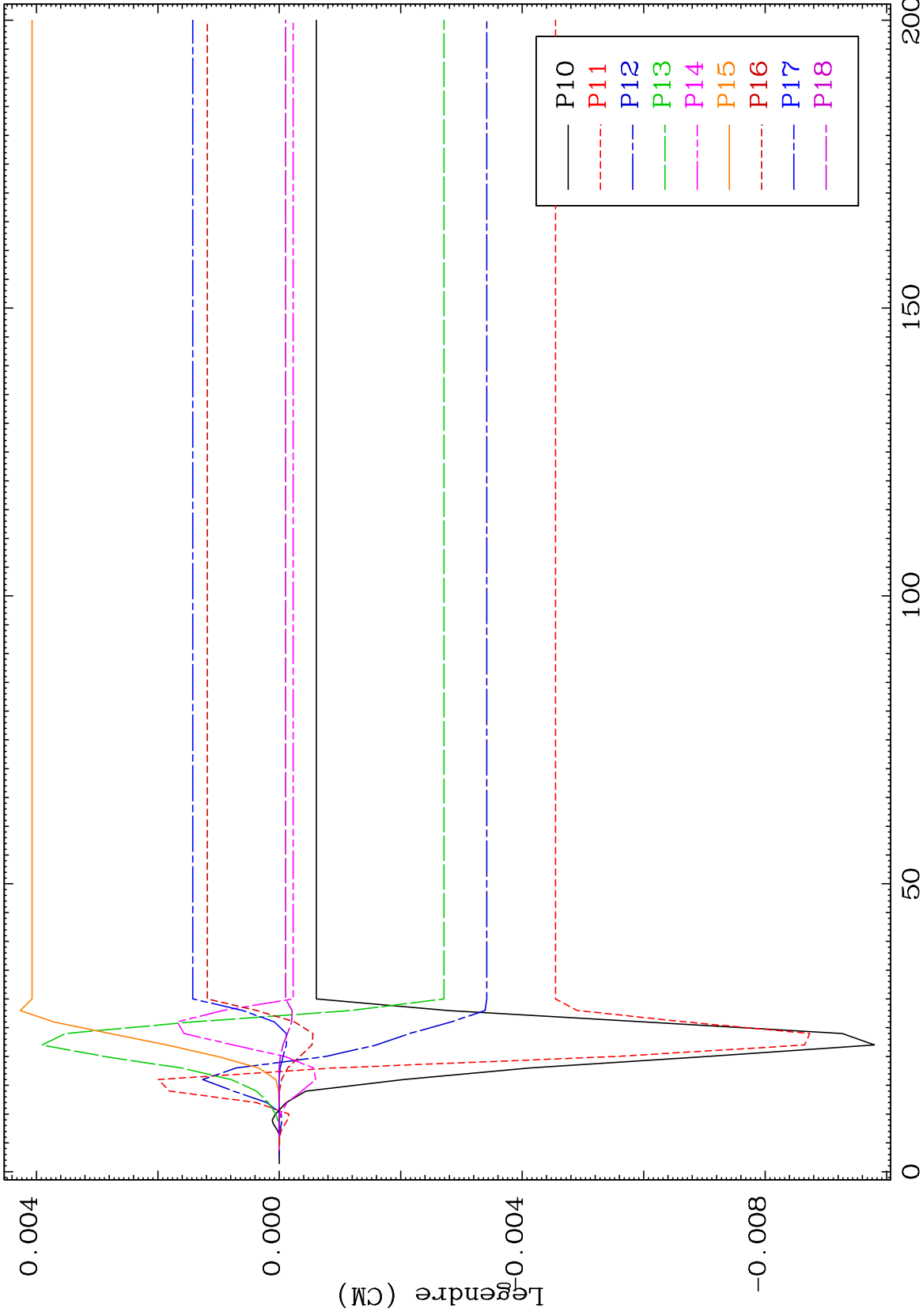
58-Ce-135



MAT 5822

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

58-Ce-135



32

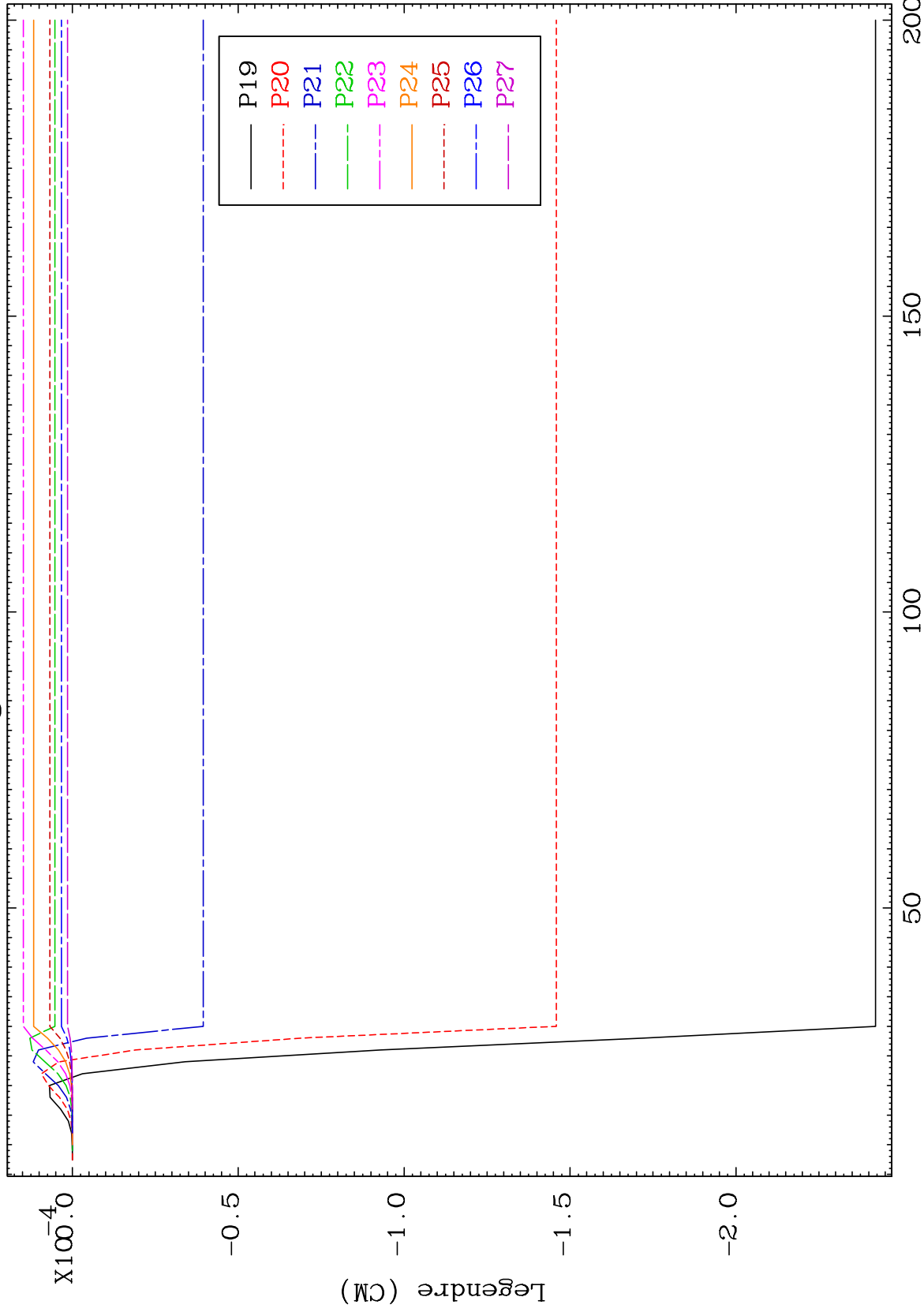
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



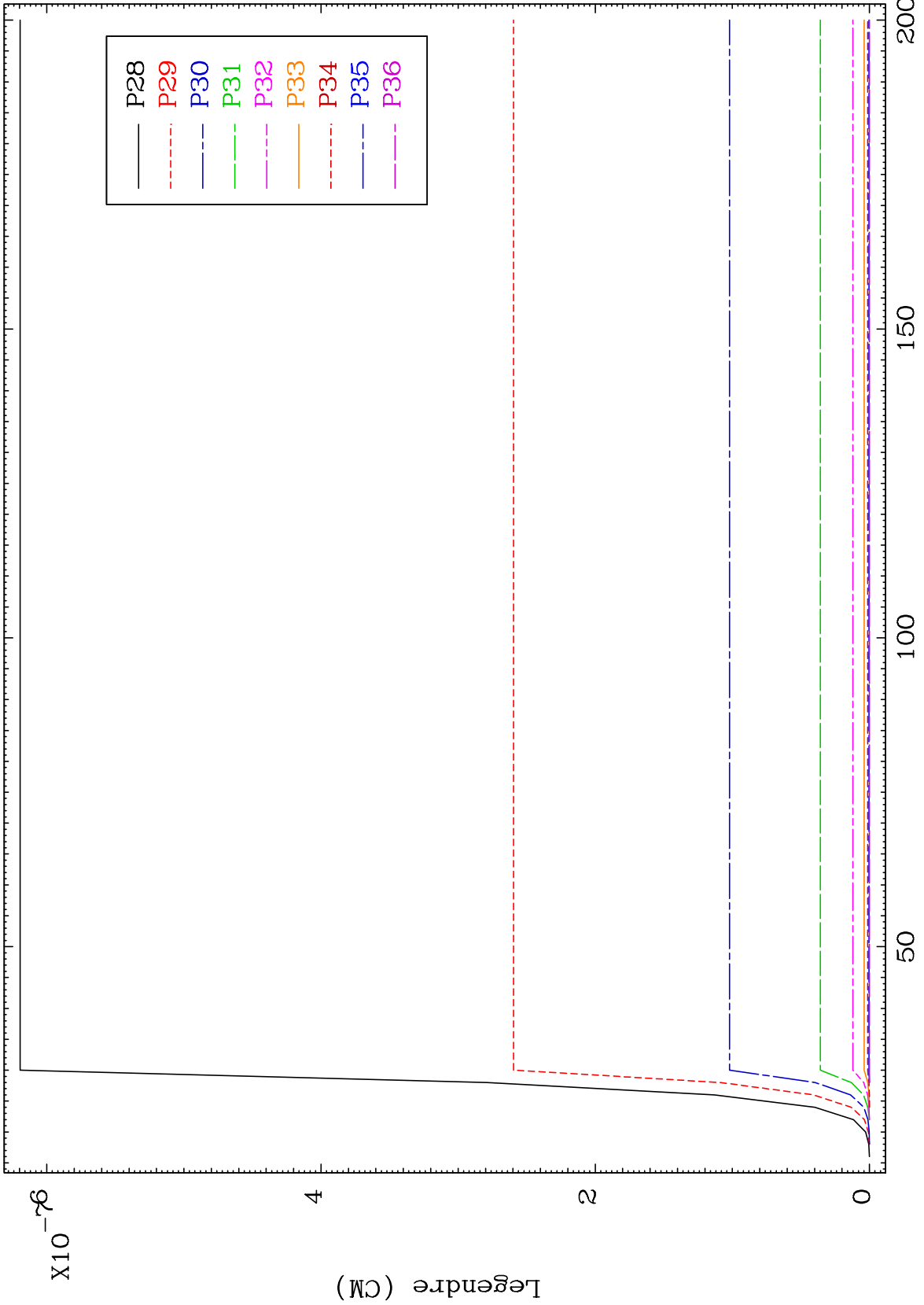
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58-Ce-135

MAT 5822

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

58-Ce-135



34

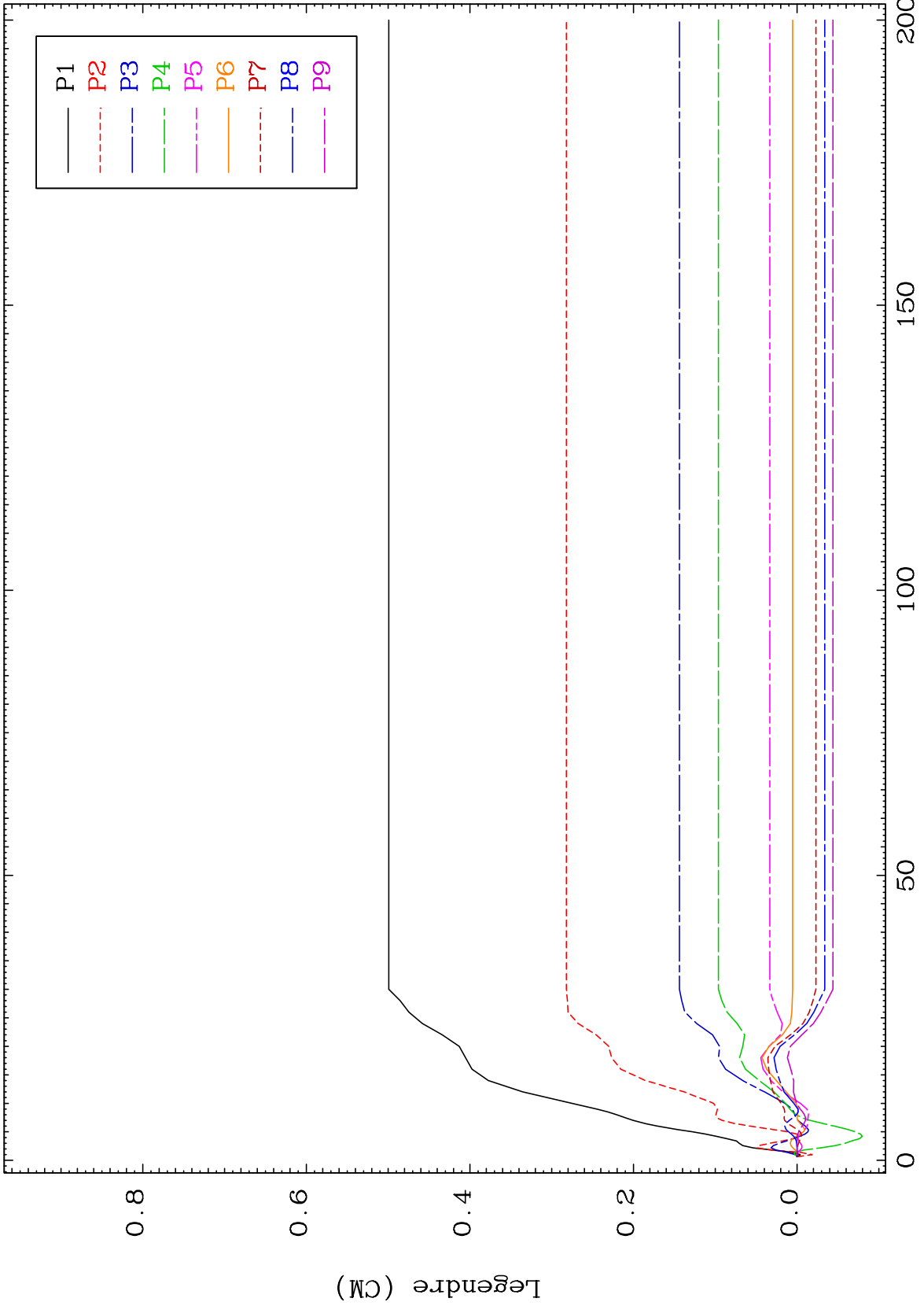
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



58-Ce-135

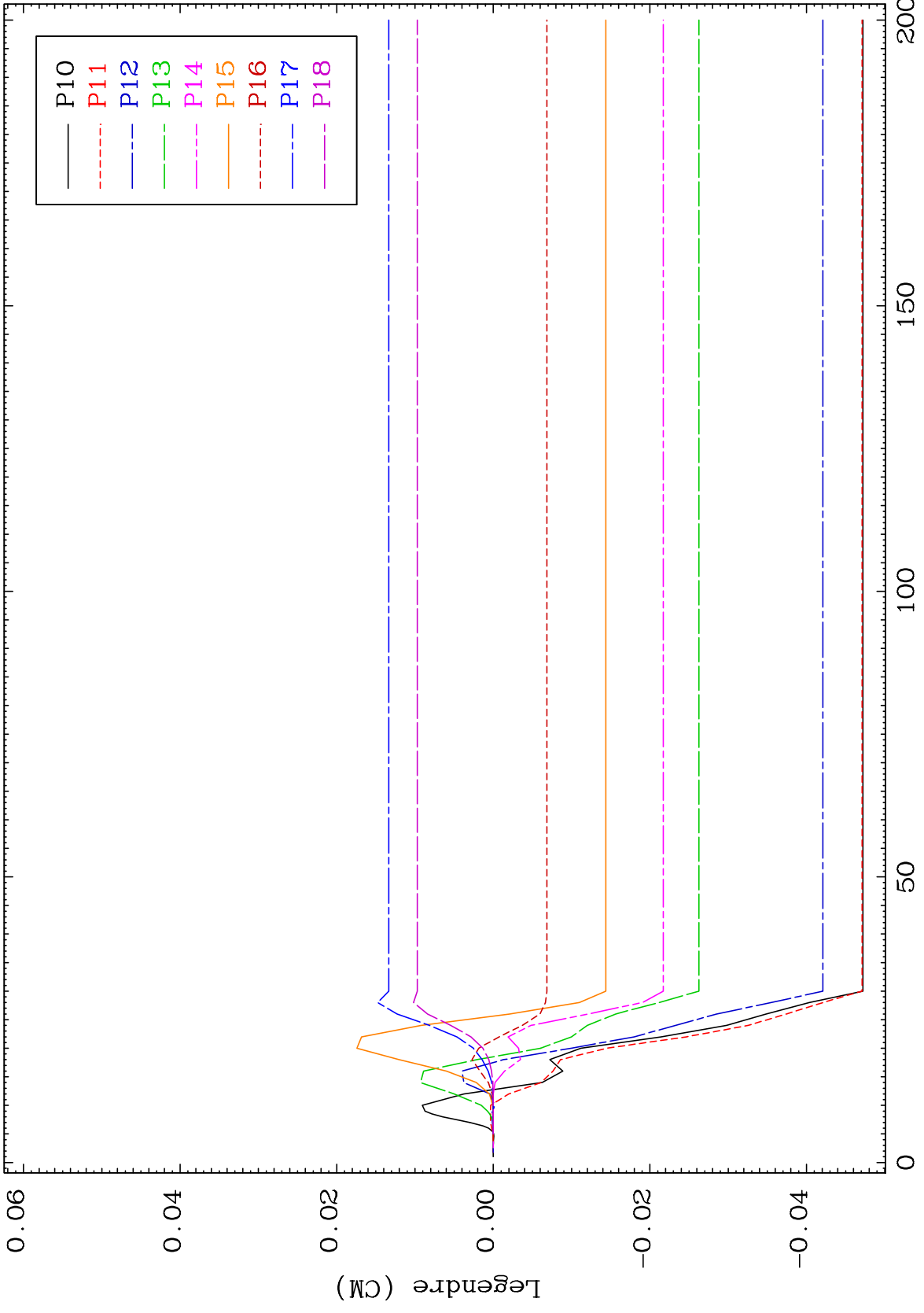
Incident Energy (MeV)

35

MAT 5822

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

58-Ce-135



36

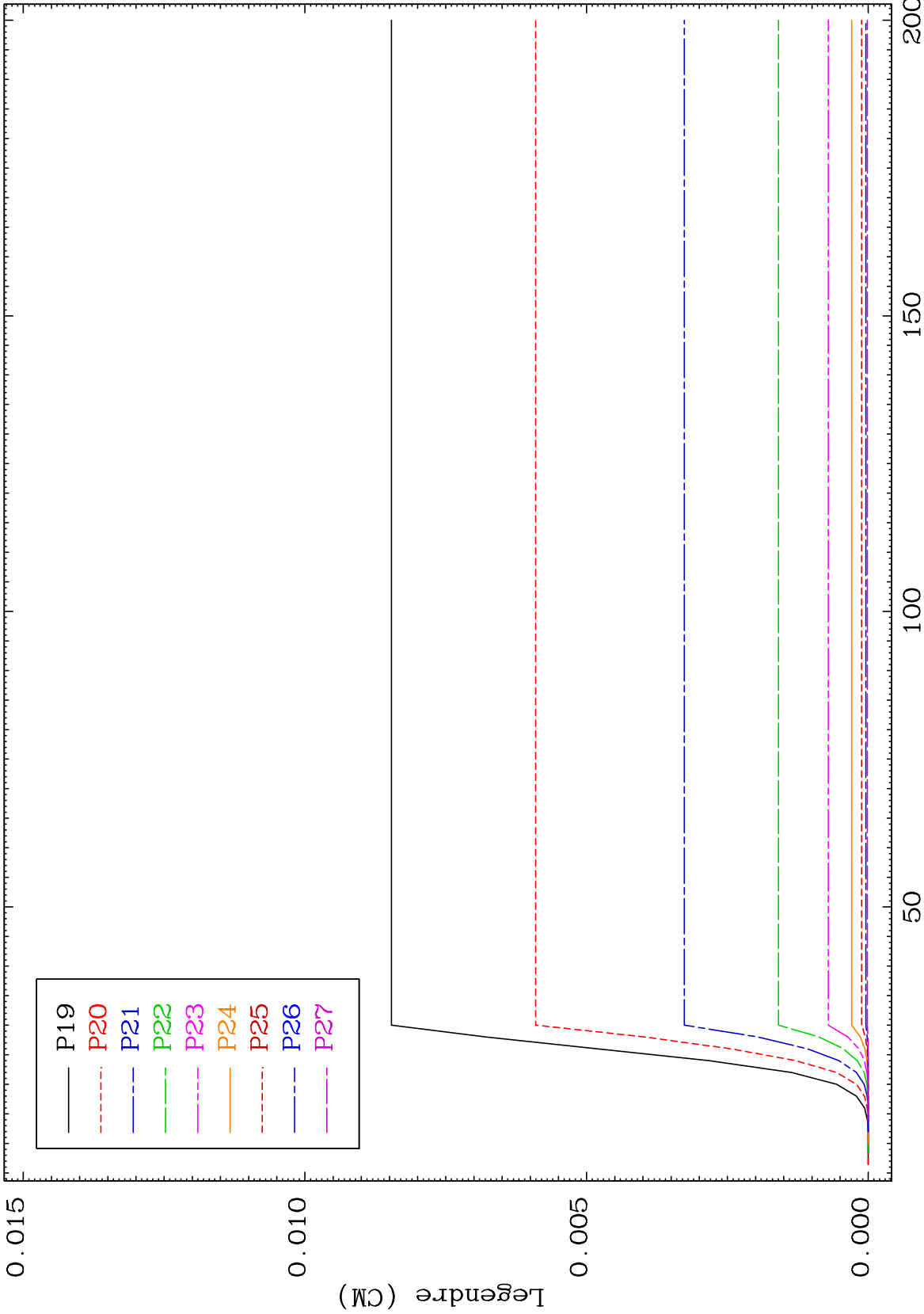
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



37

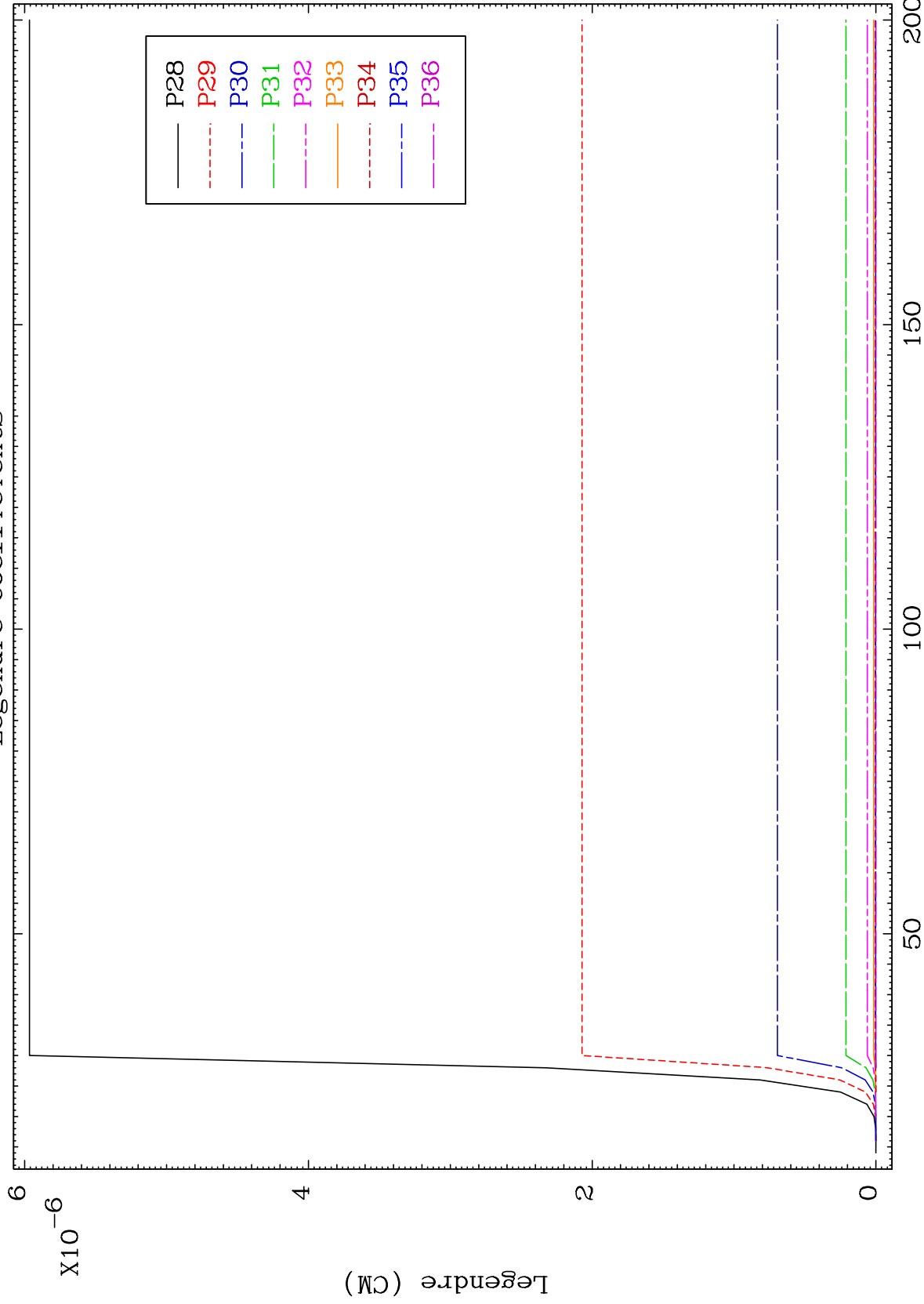
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



38

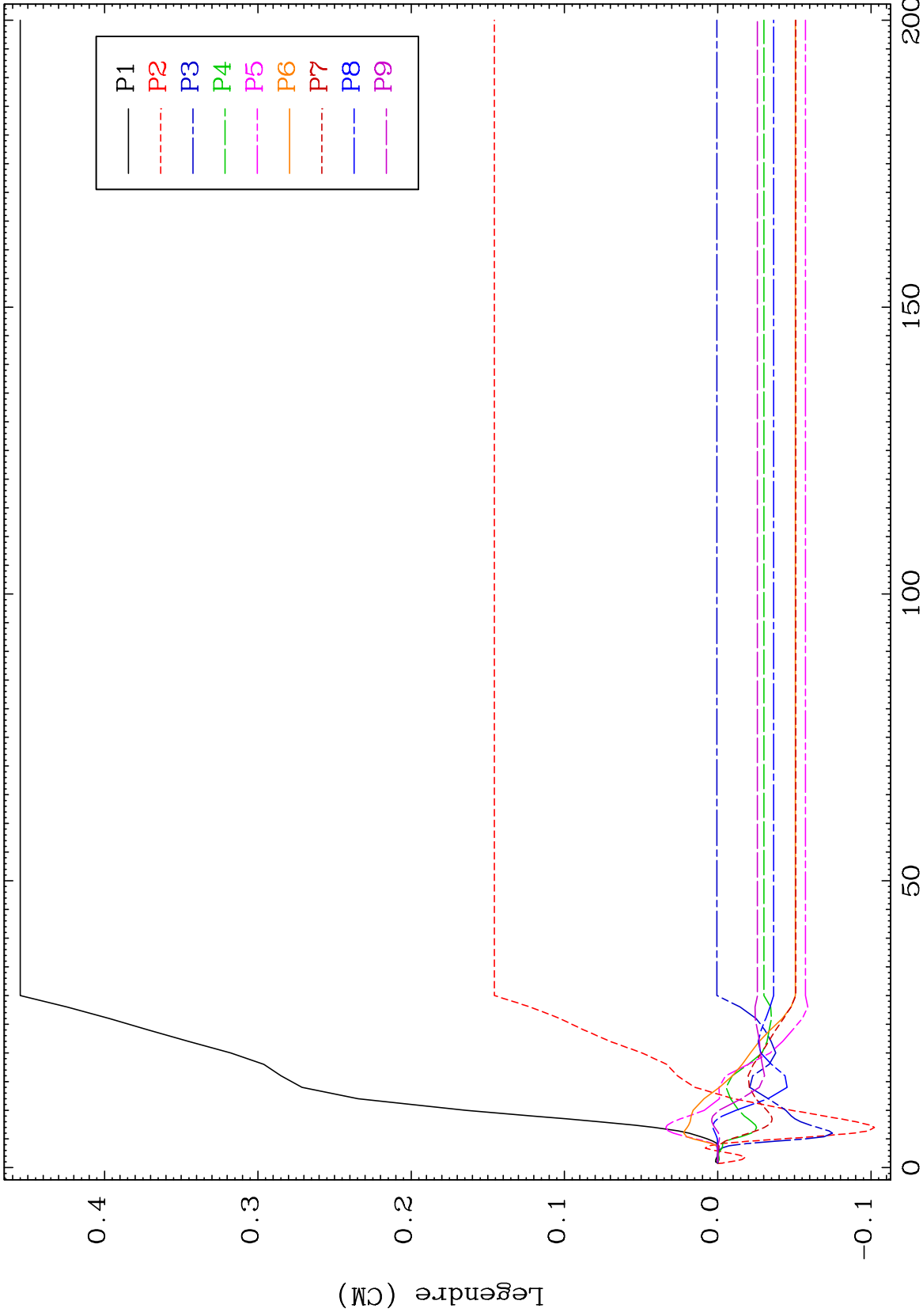
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



39

Incident Energy (MeV)

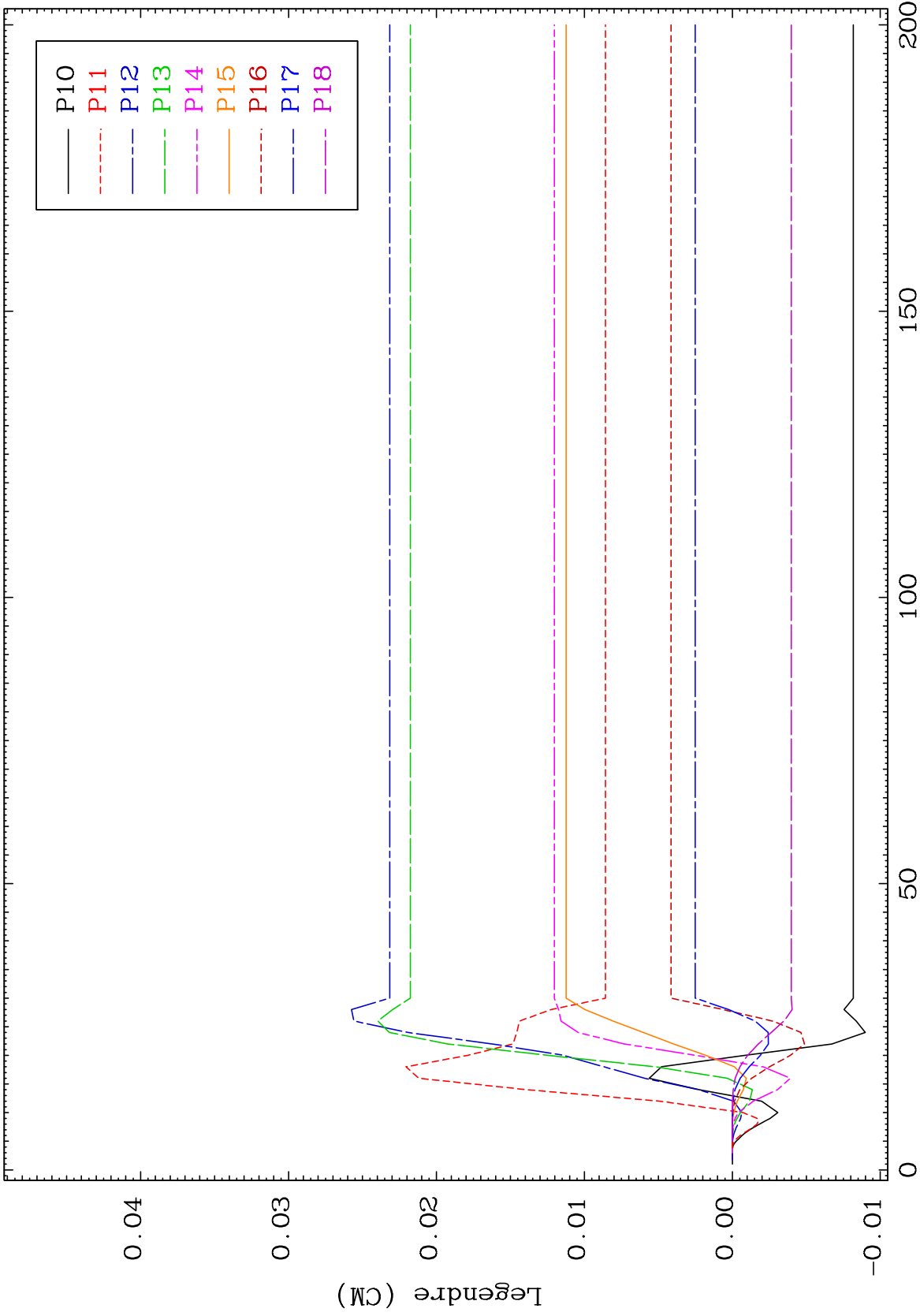
58-Ce-135



MAT 5822

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

58-Ce-135



40

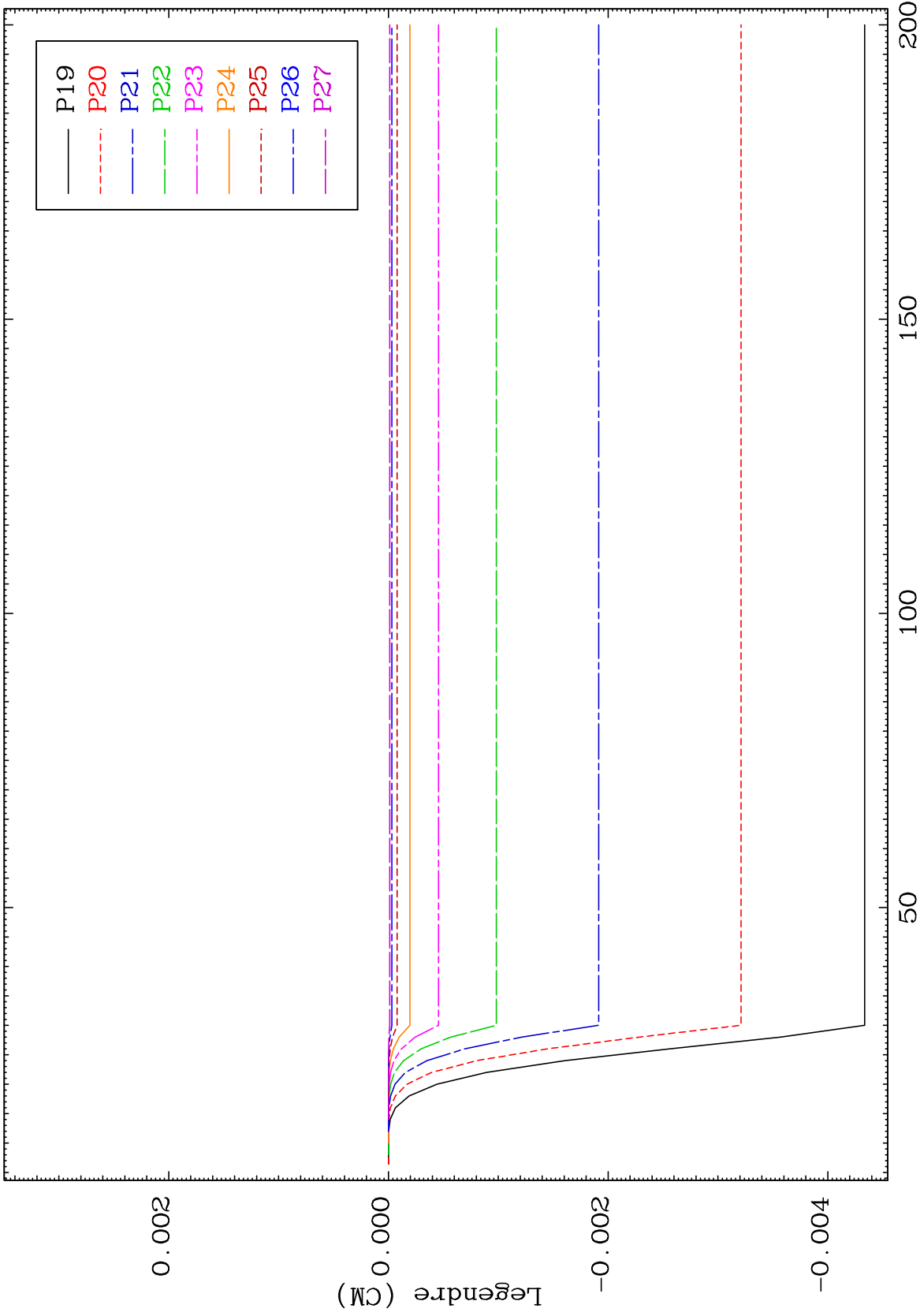
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



41

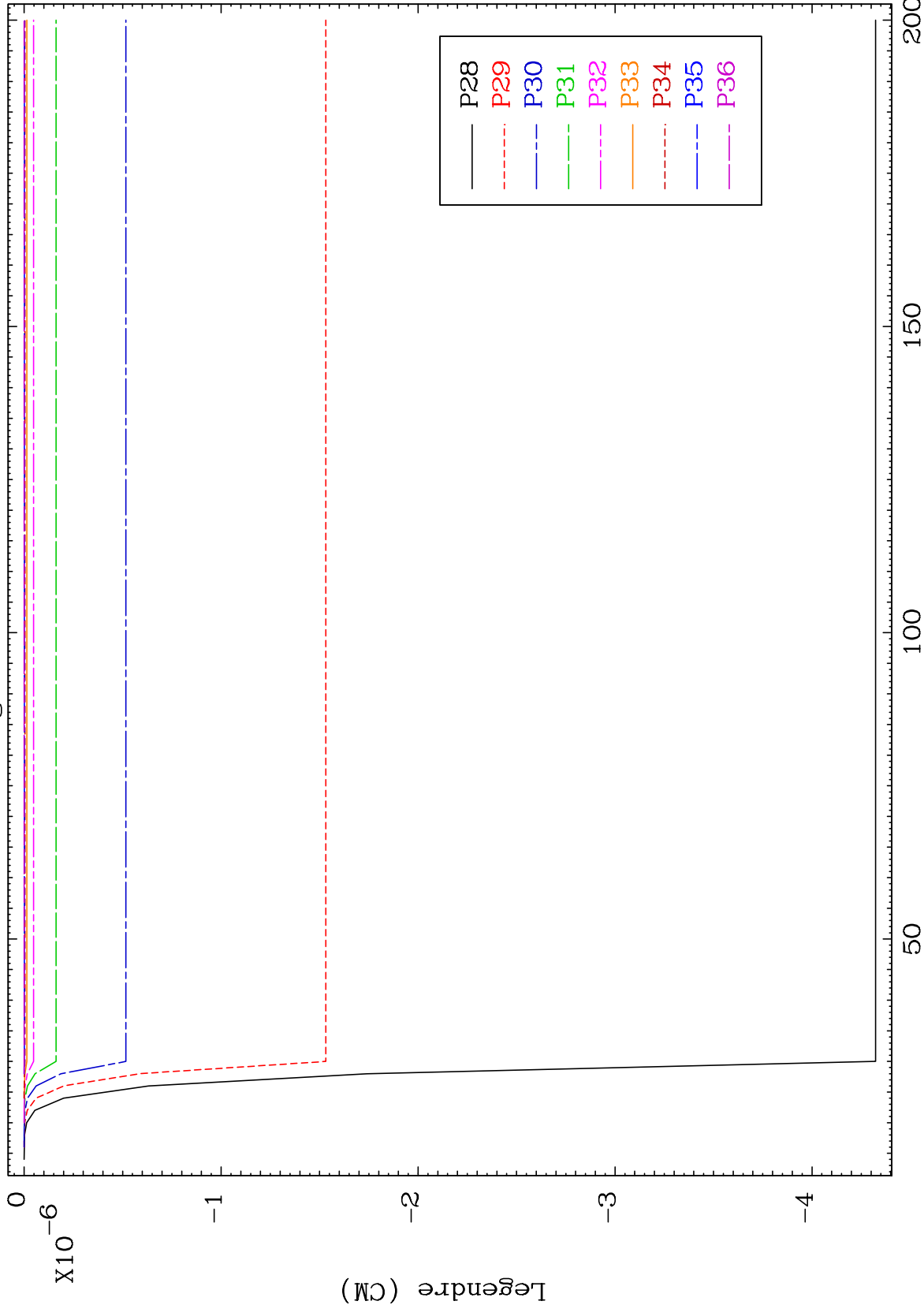
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



58-Ce-135

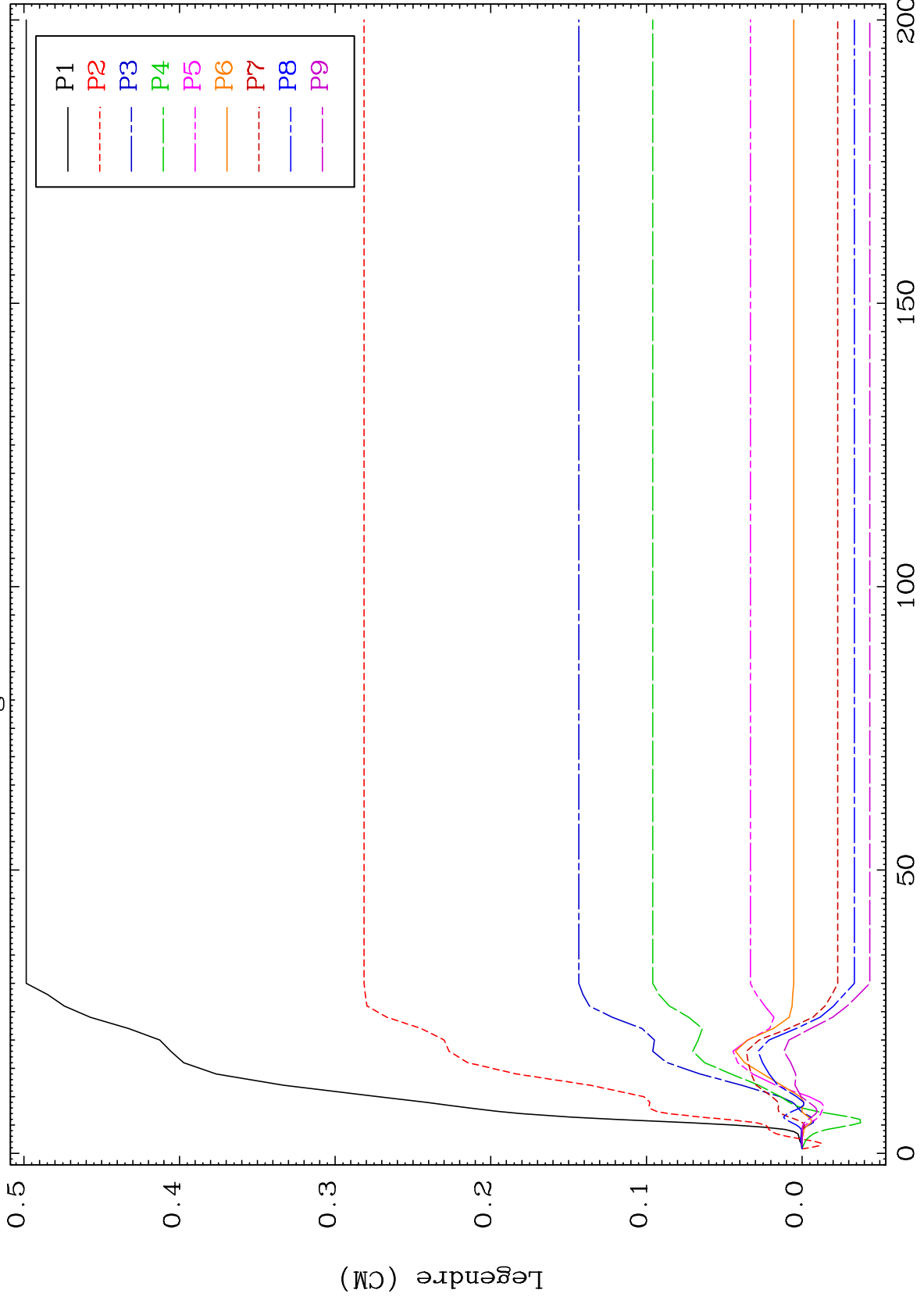
Incident Energy (MeV)

42

MAT 5822

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

58-Ce-135



43

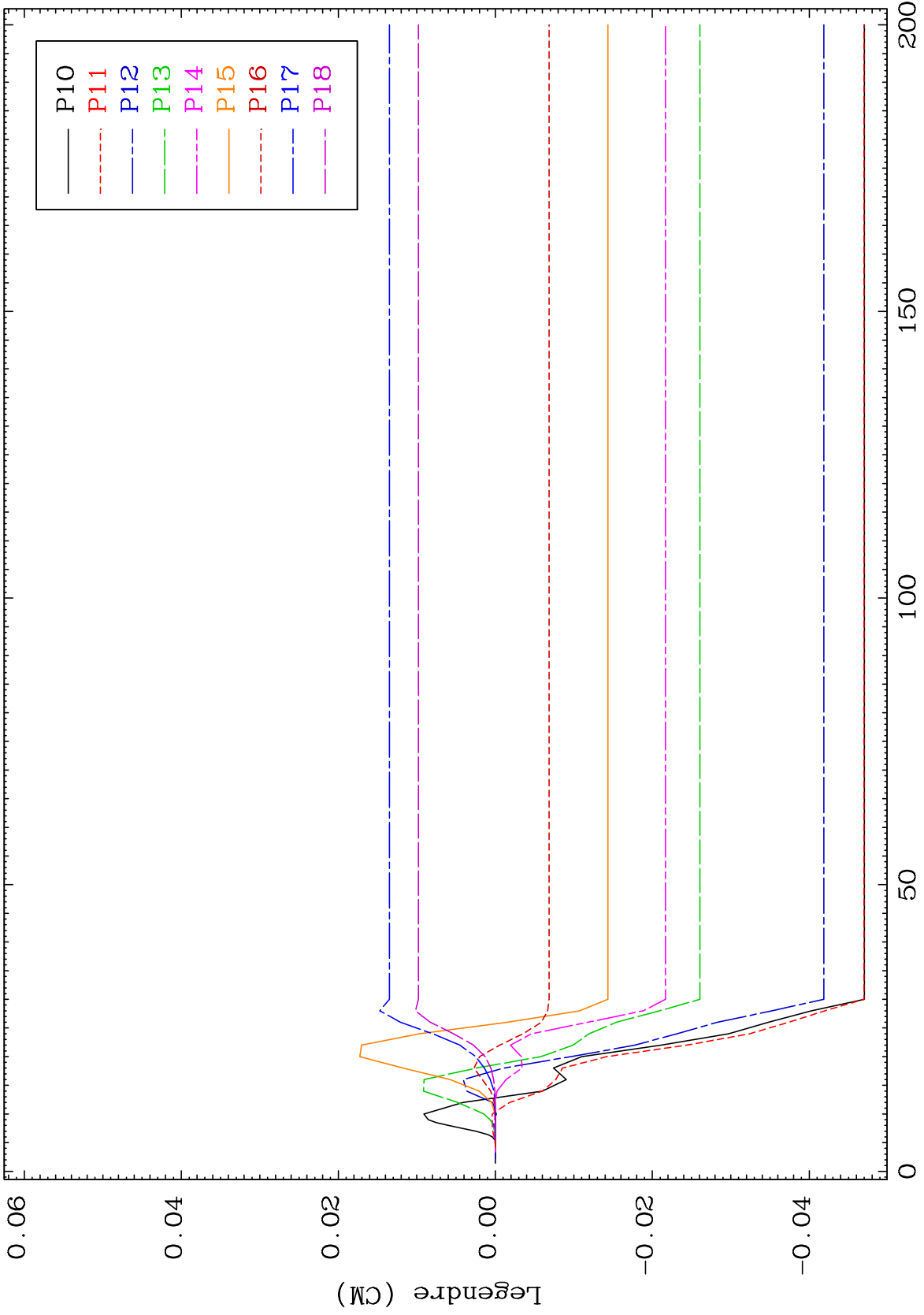
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



44

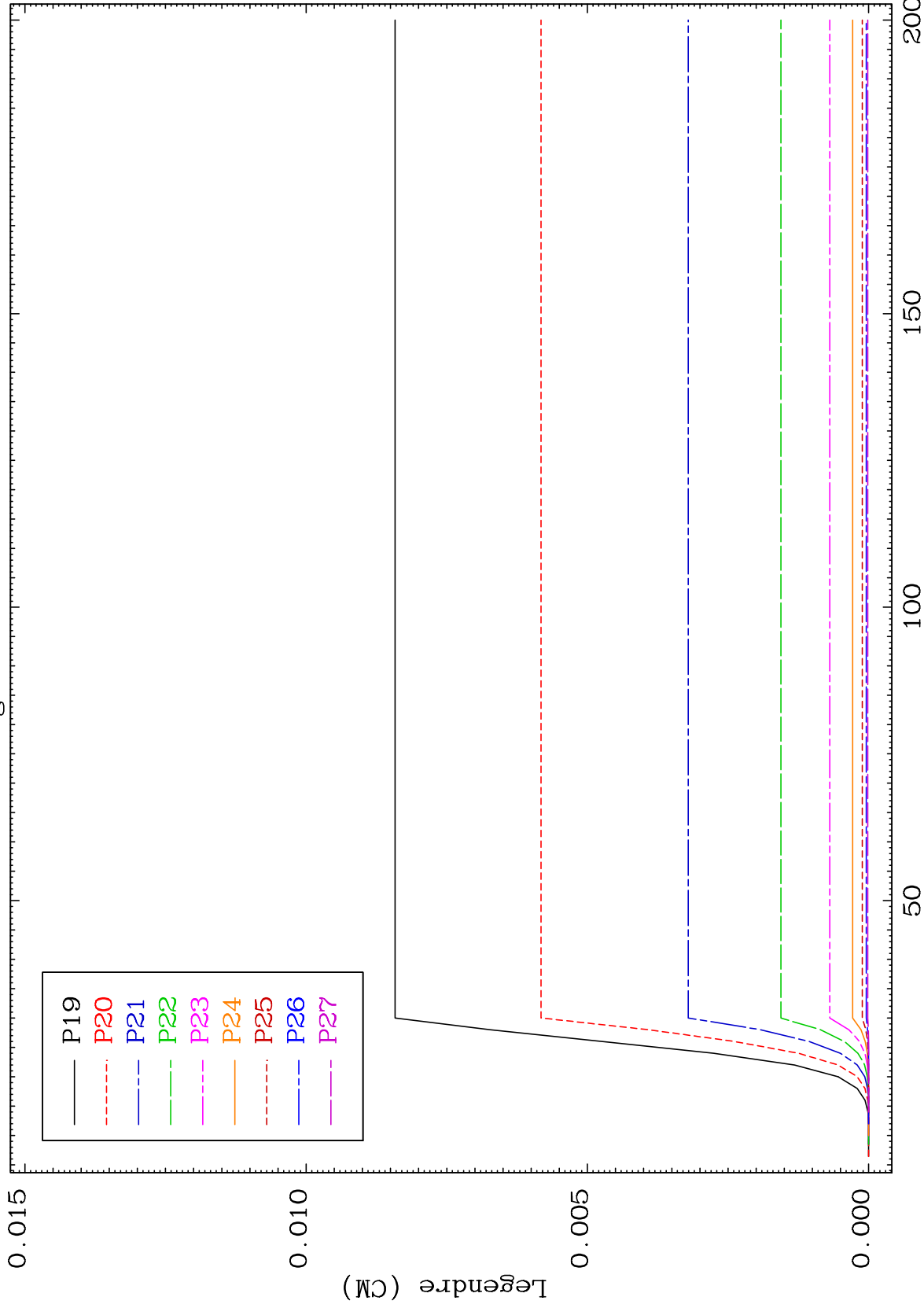
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



45

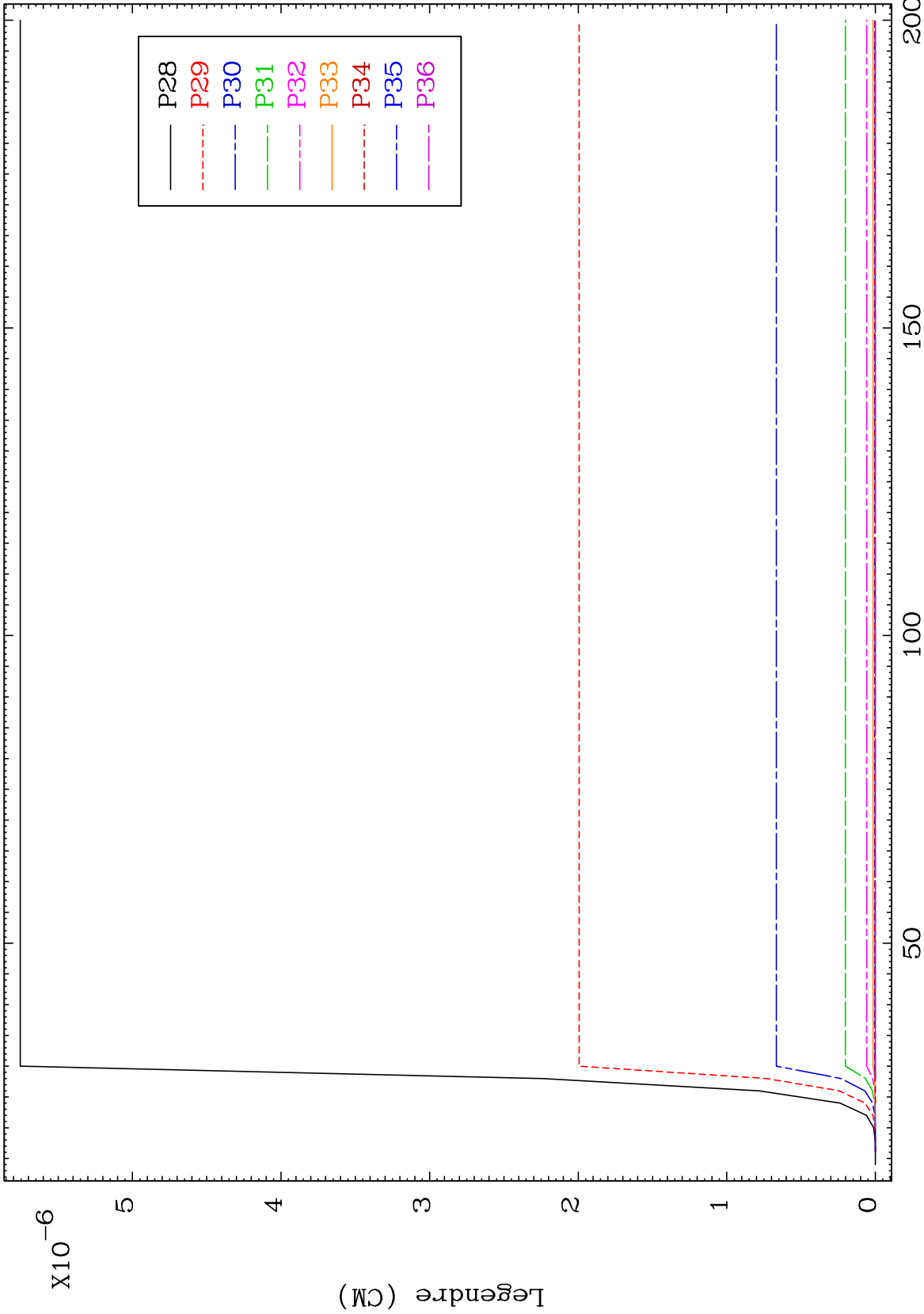
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



46

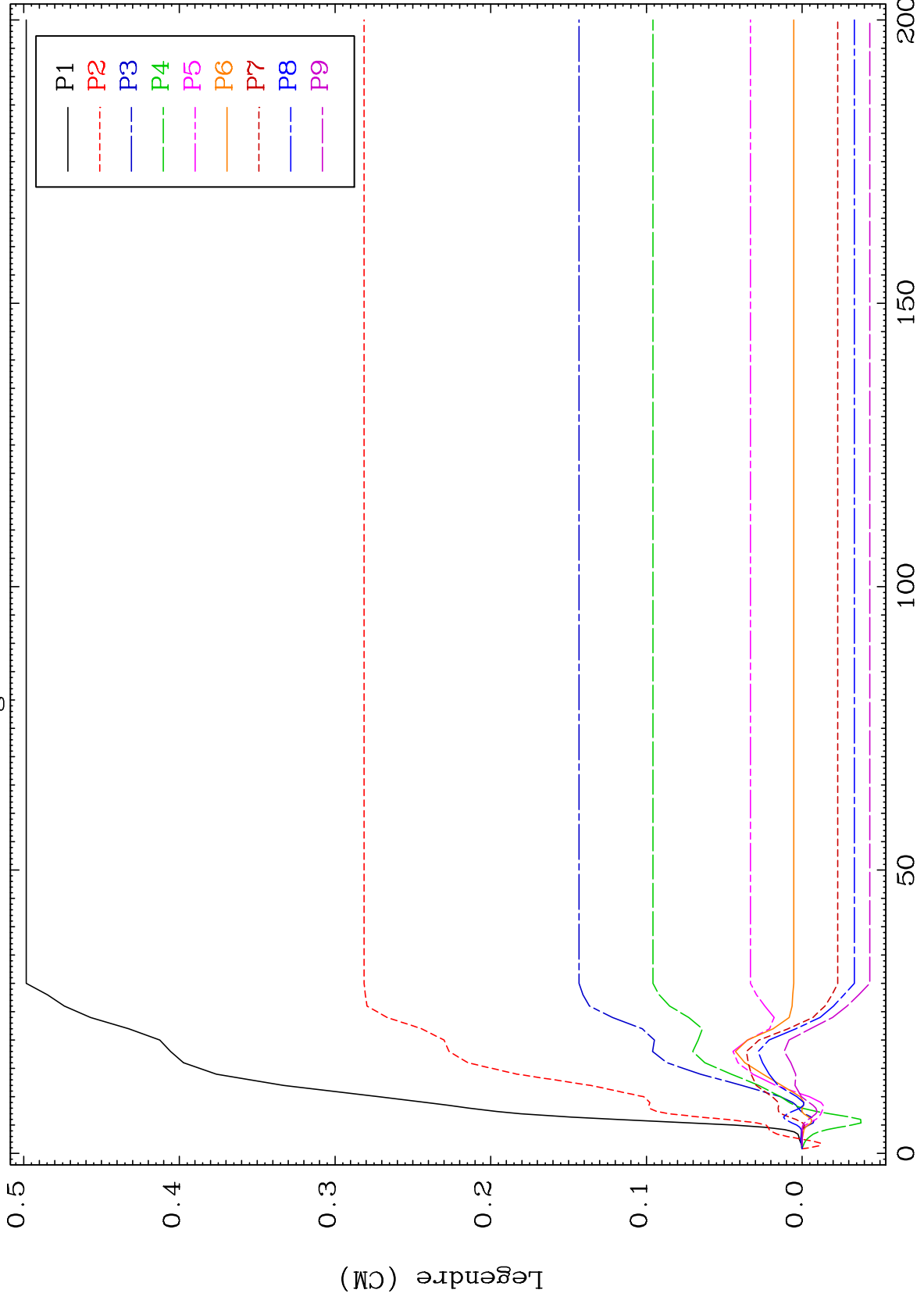
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



47

Incident Energy (MeV)

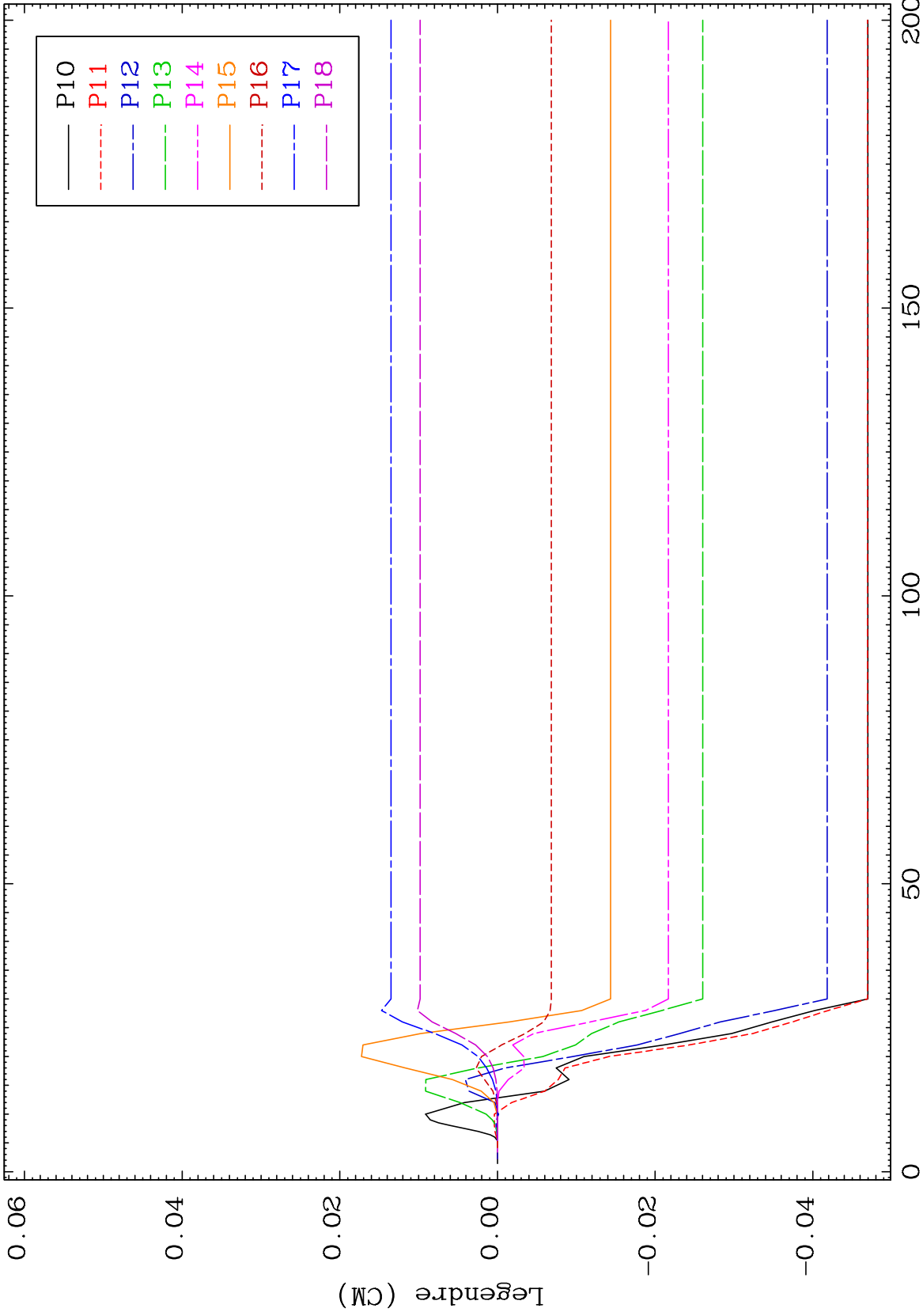
58-Ce-135



MAT 5822

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

58-Ce-135



48

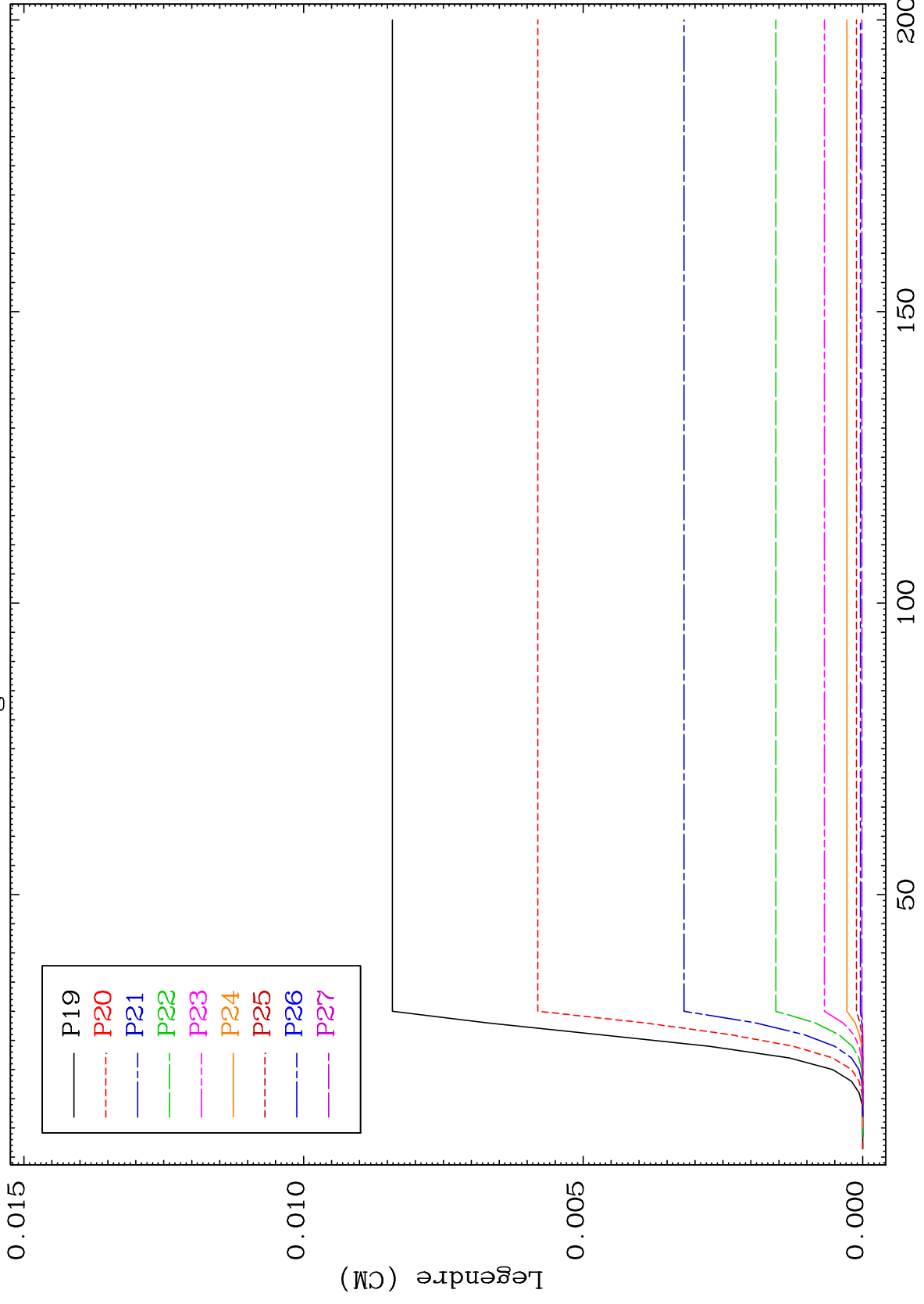
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



49

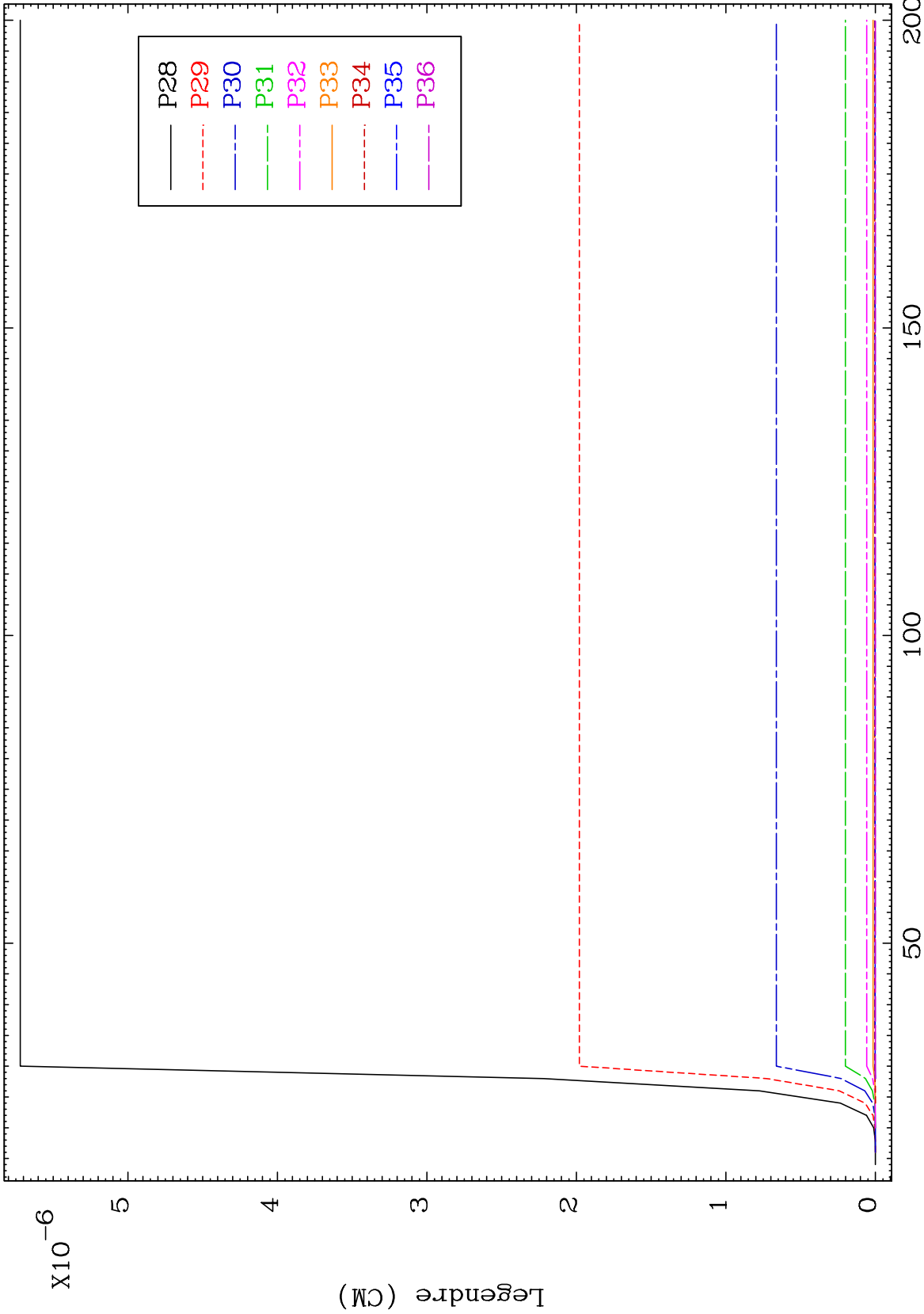
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



50

50

100

150

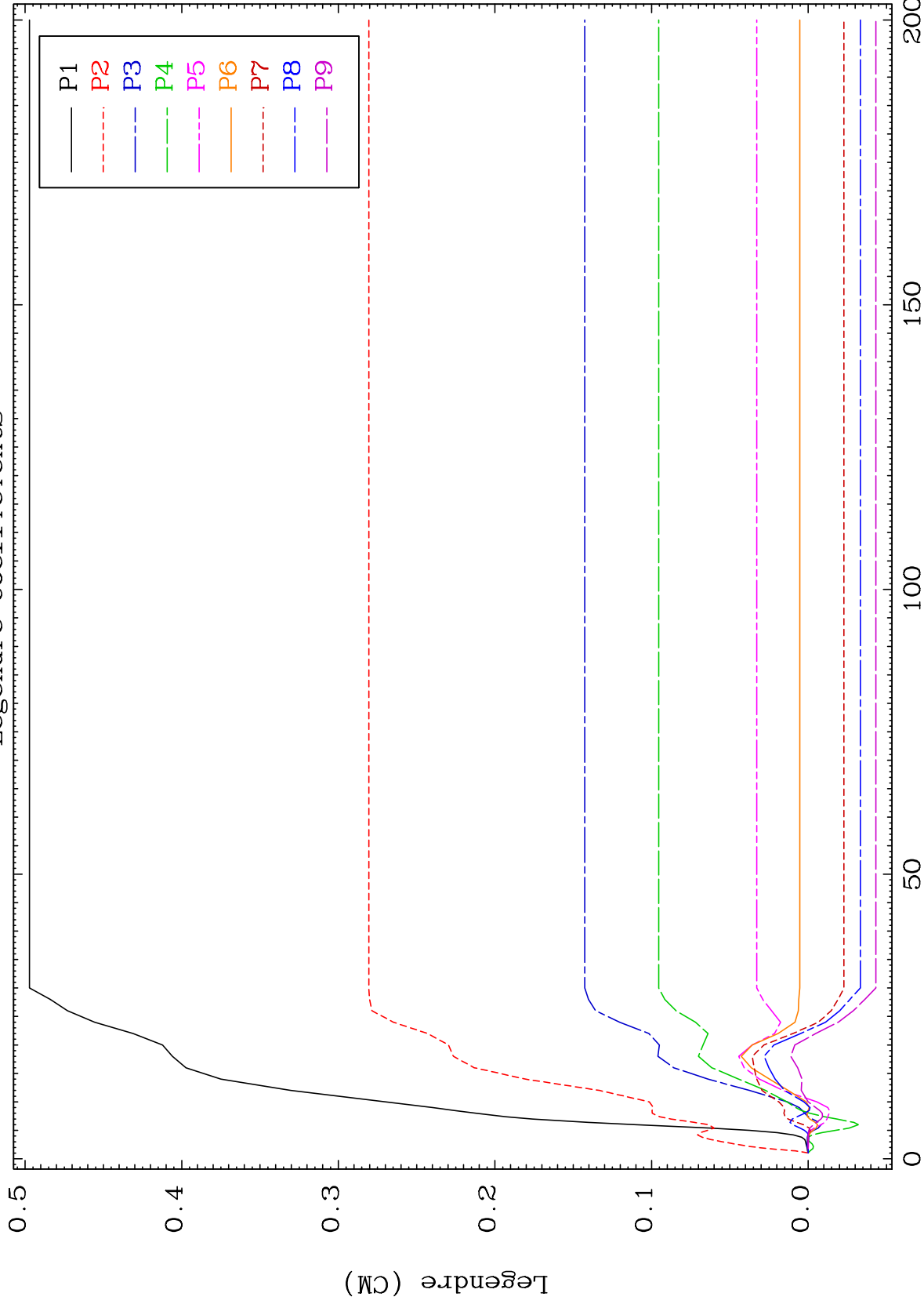
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58-Ce-135

MAT 5822

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

58-Ce-135



51

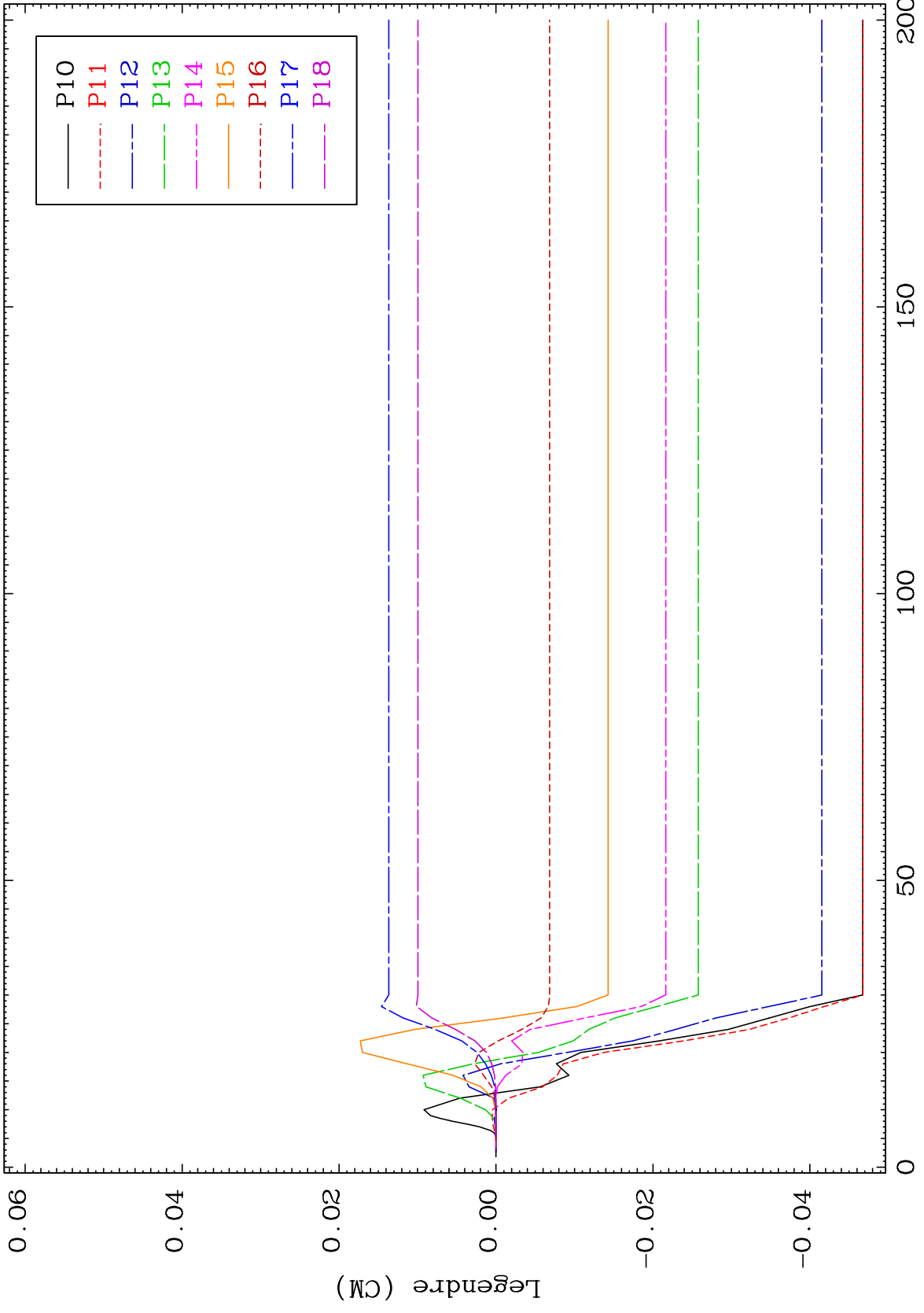
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



52

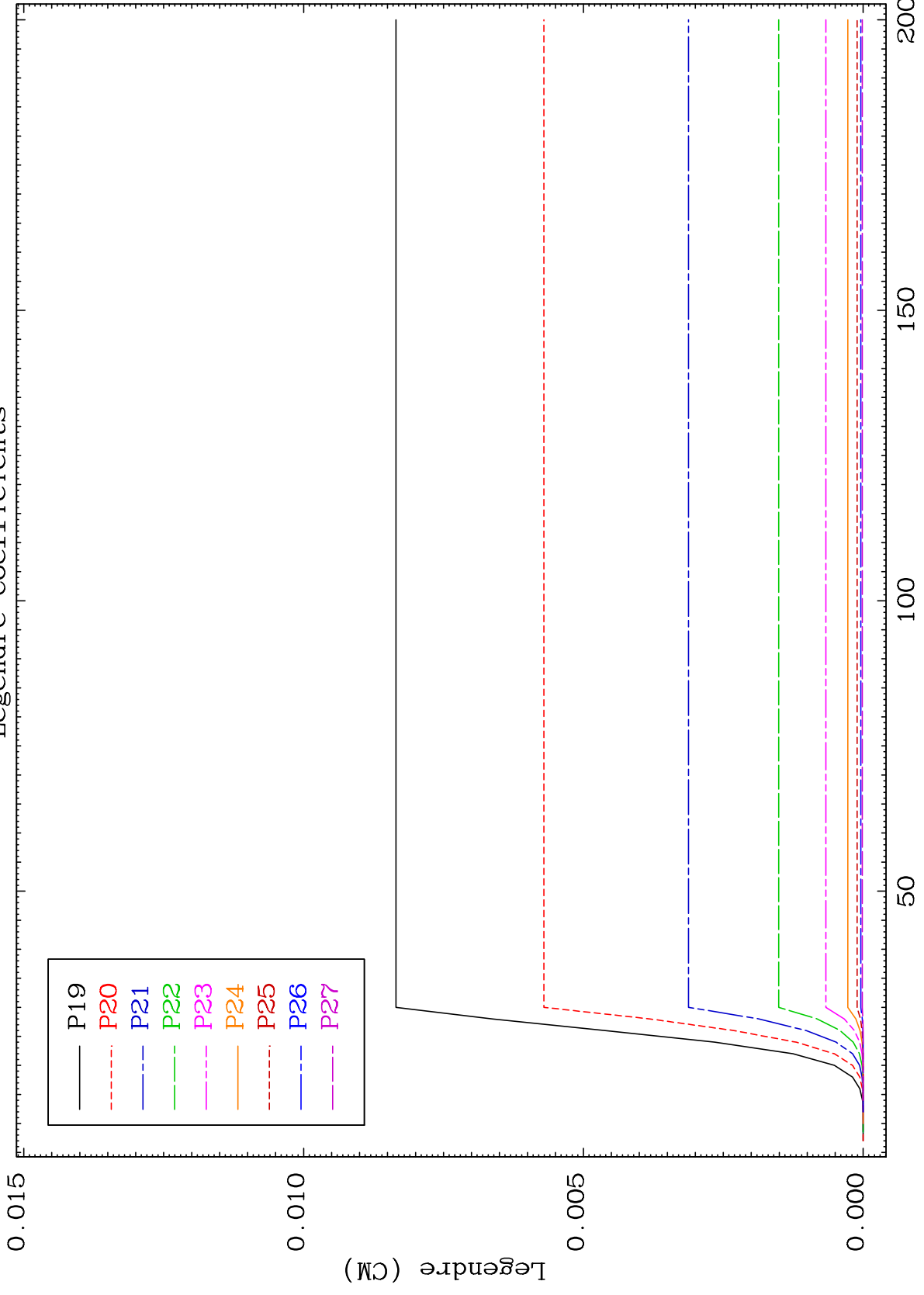
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



53

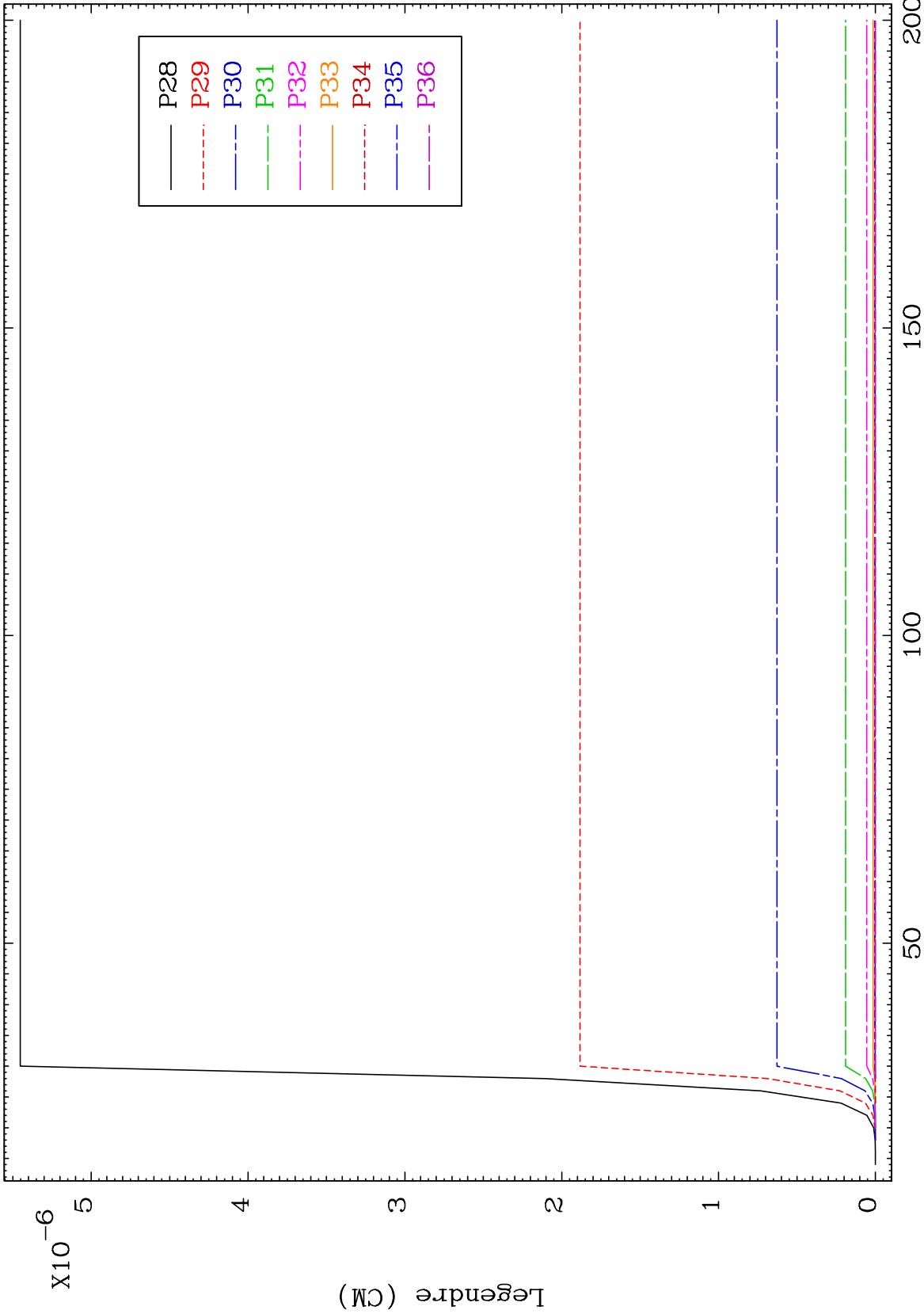
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



54

Incident Energy (MeV)

58-Ce-135

200

150

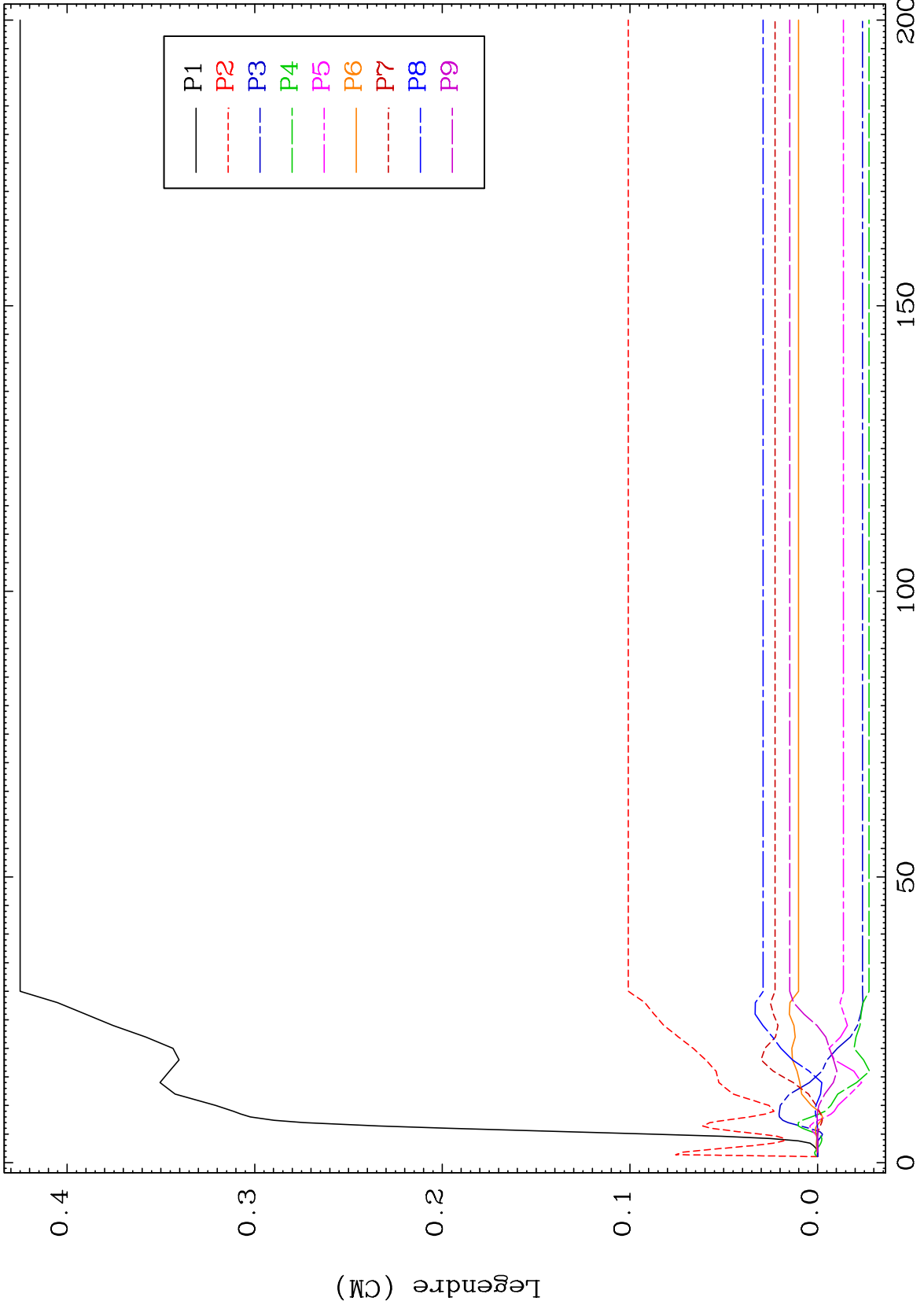
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50

MAT 5822

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

58-Ce-135



55

Incident Energy (MeV)

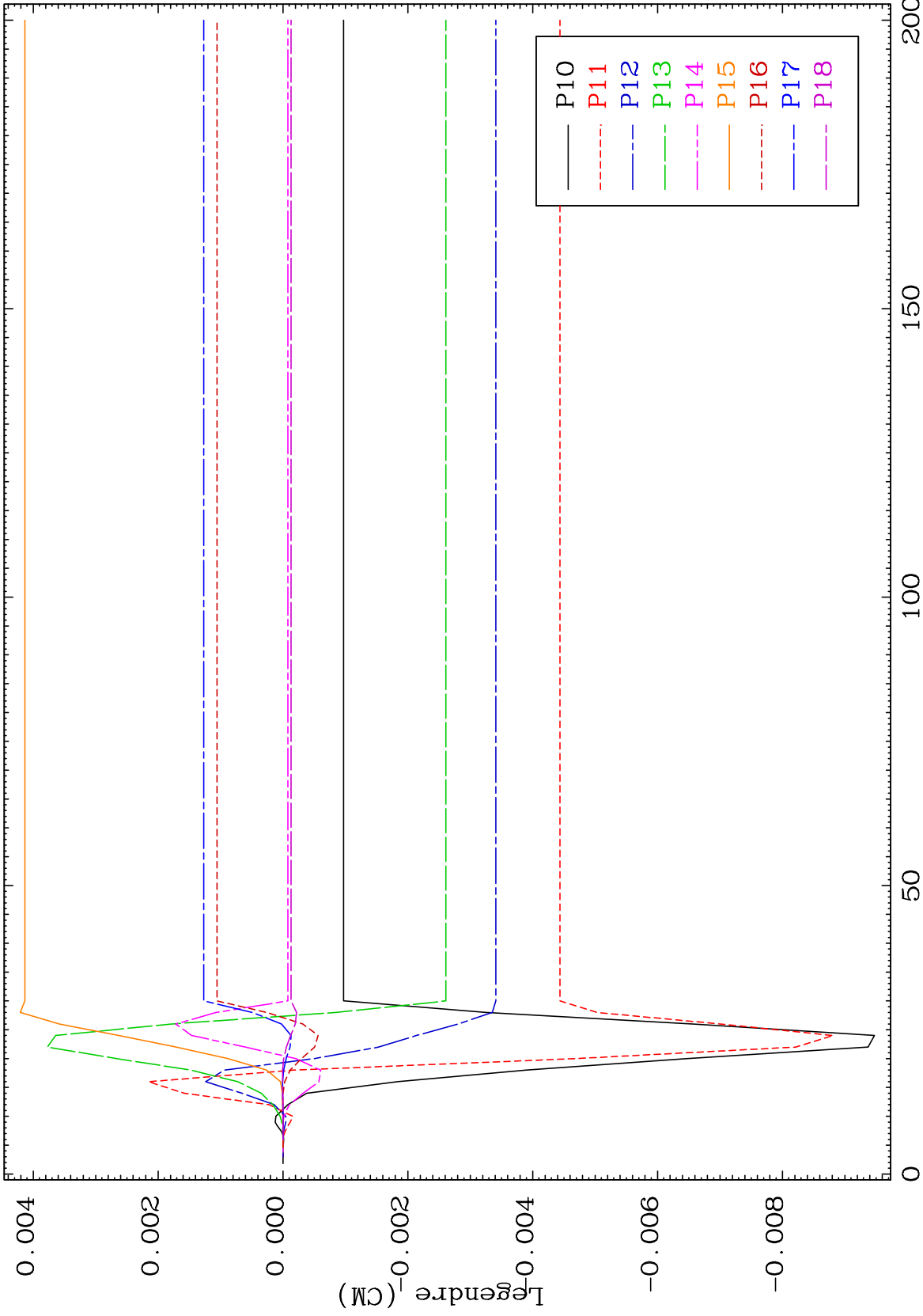
58-Ce-135



MAT 5822

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

58-Ce-135



56

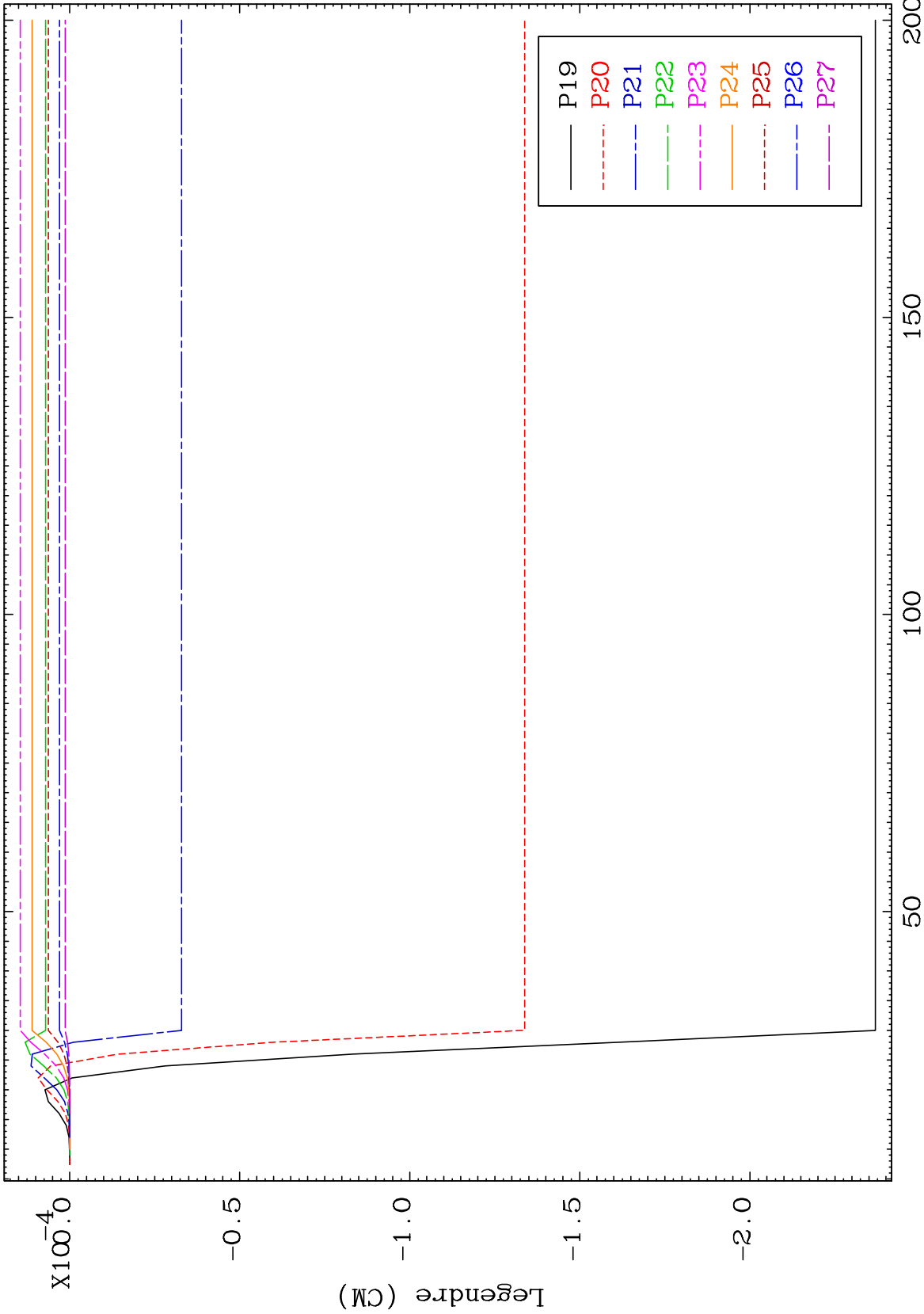
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



57

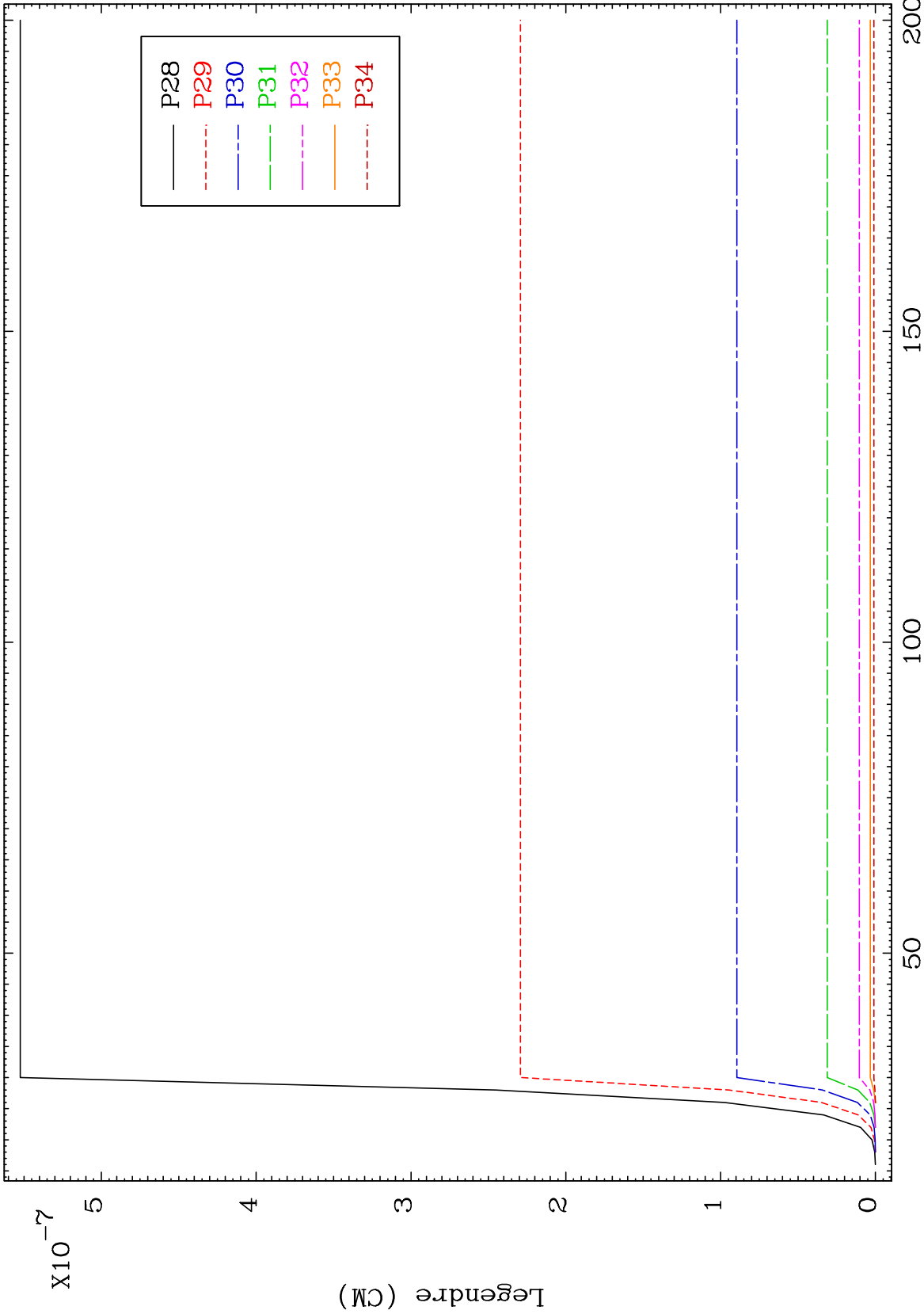
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



58

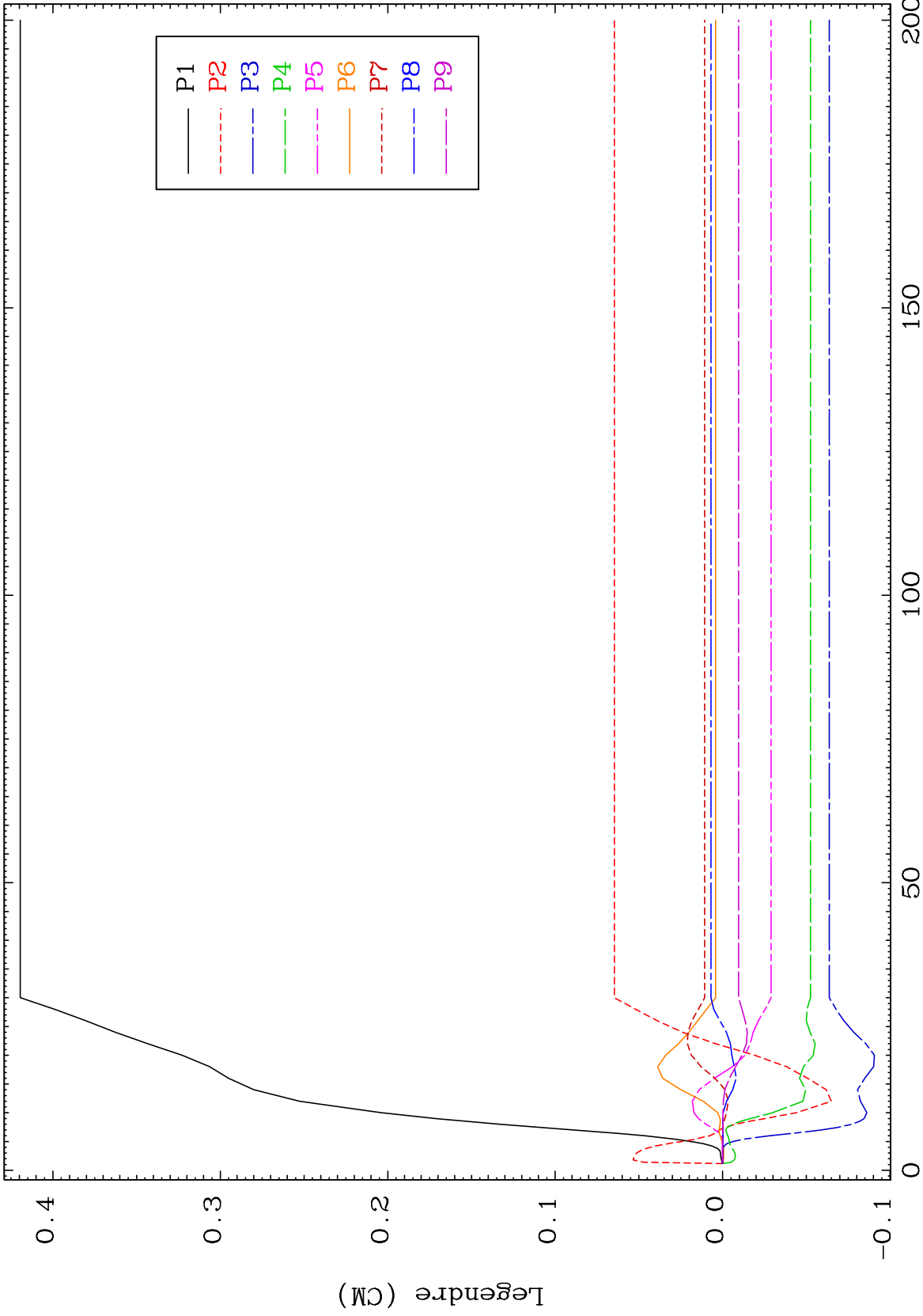
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



59

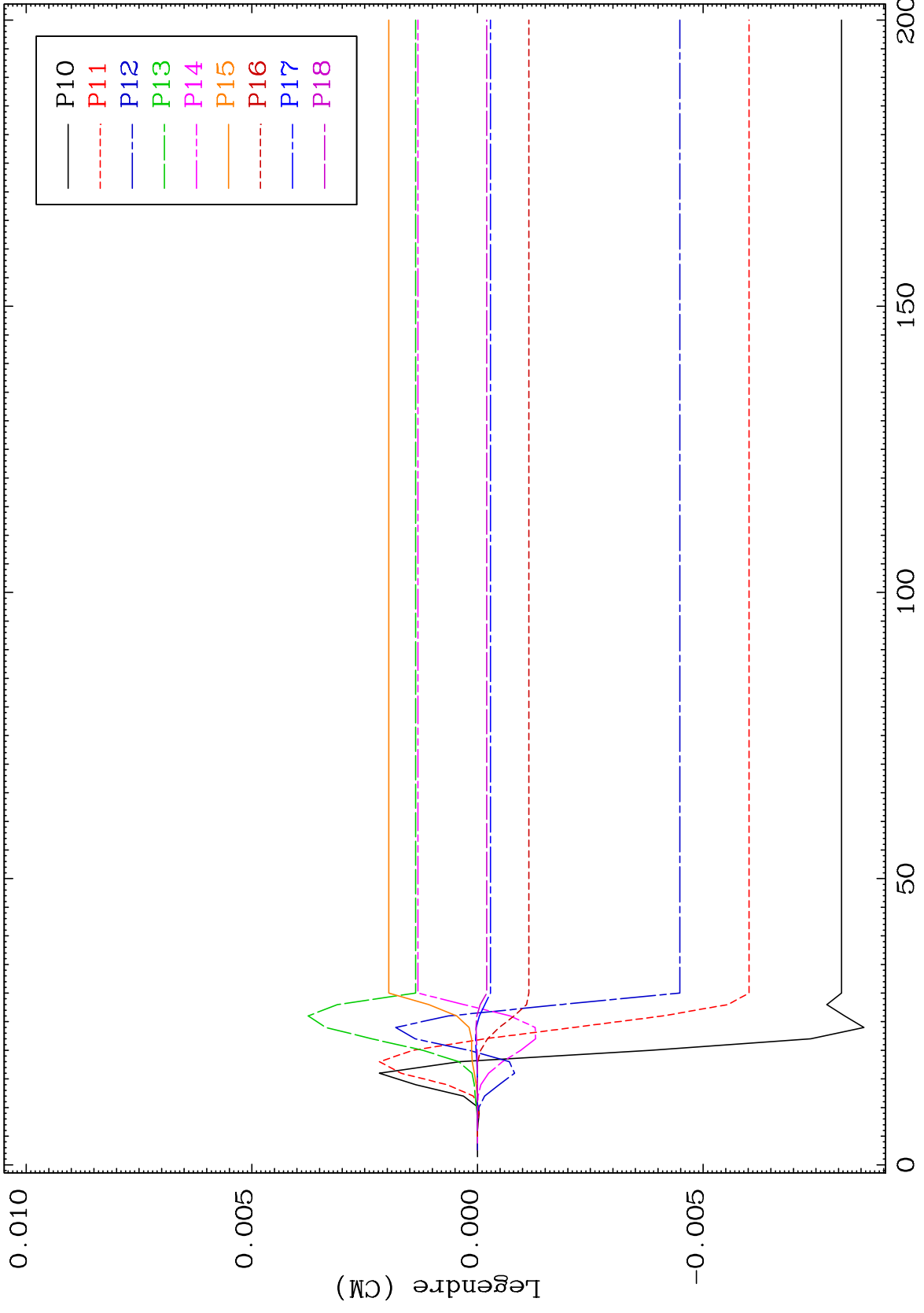
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



60

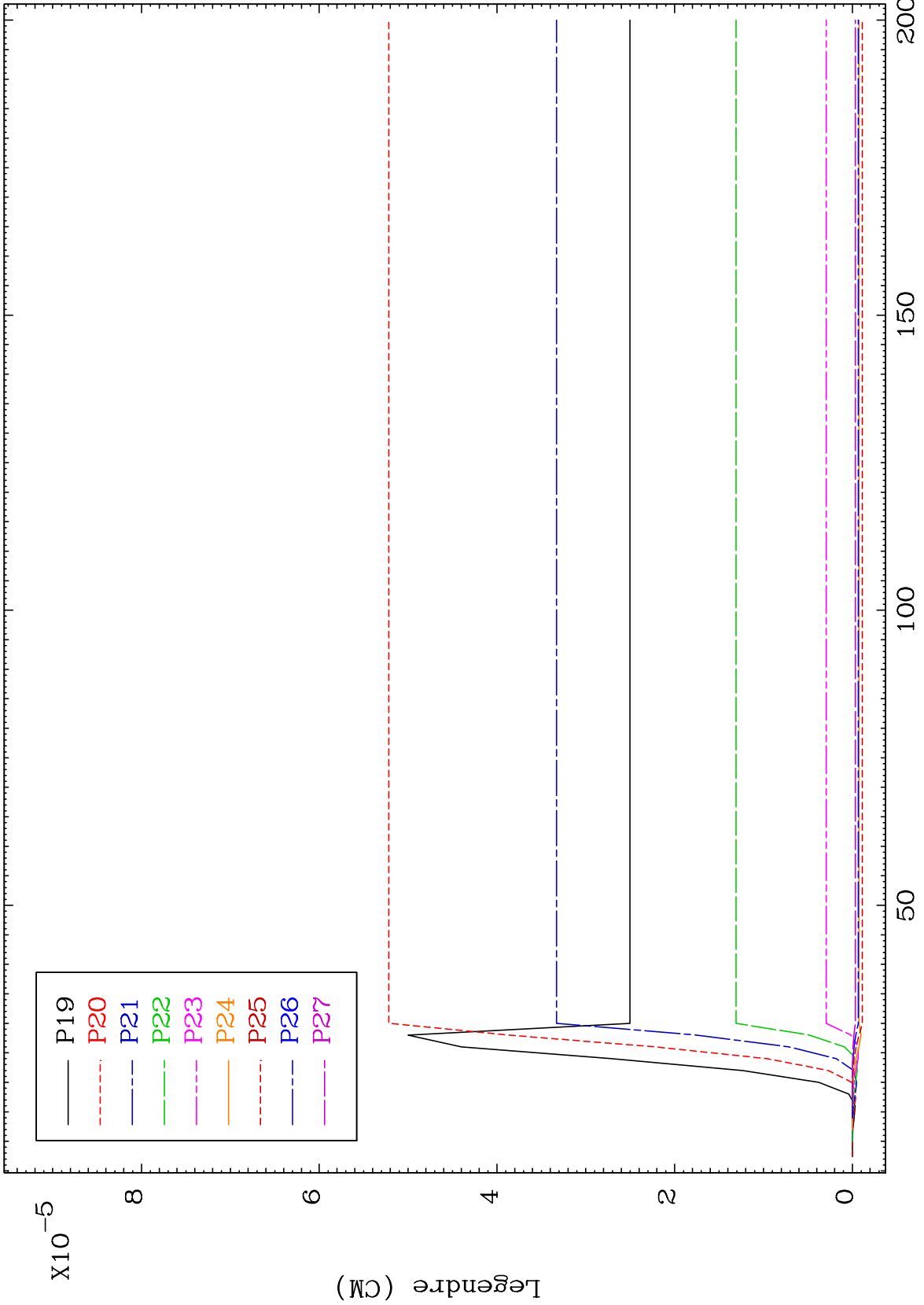
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



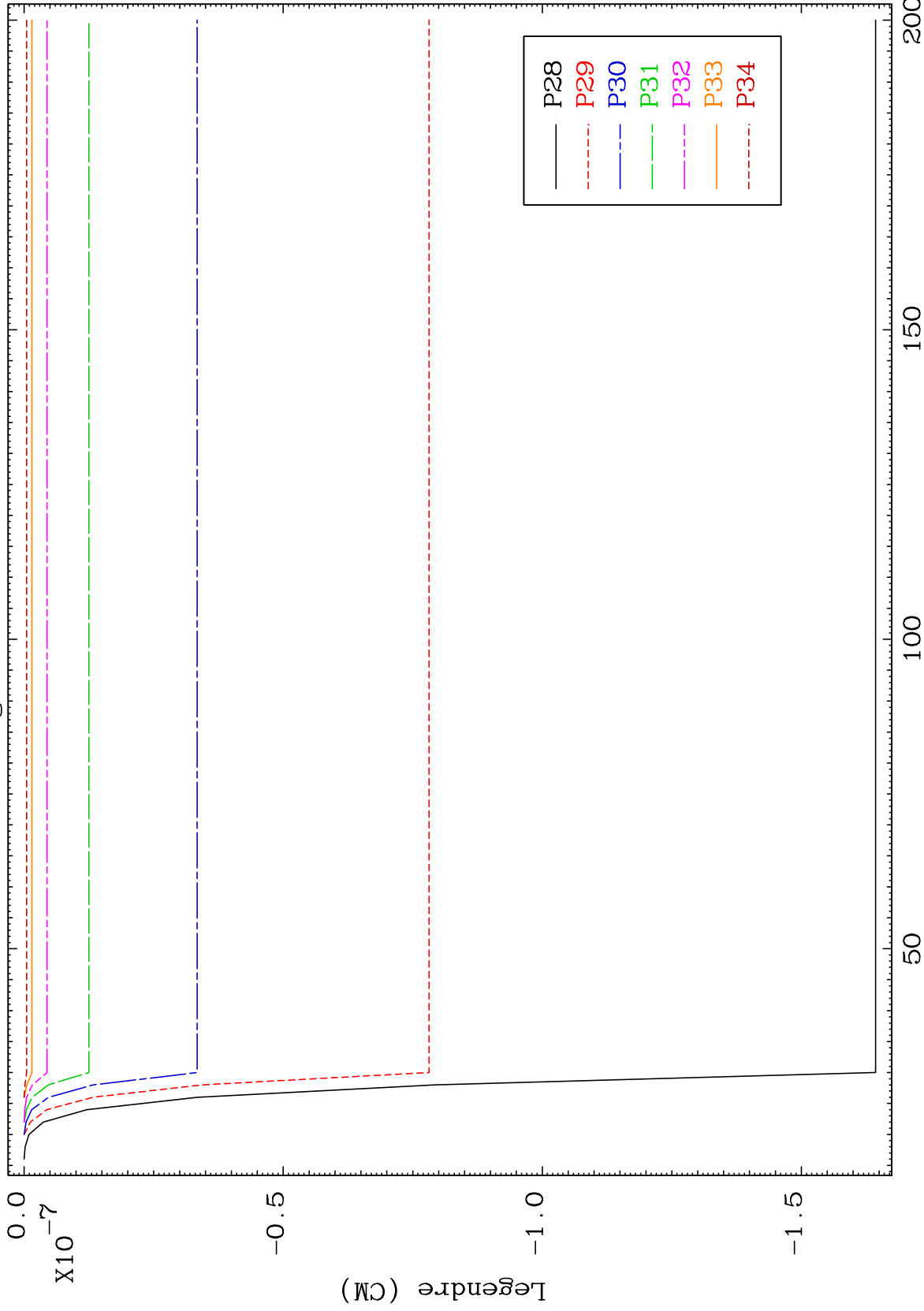
61

58-Ce-135

MAT 5822

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

58-Ce-135



58-Ce-135

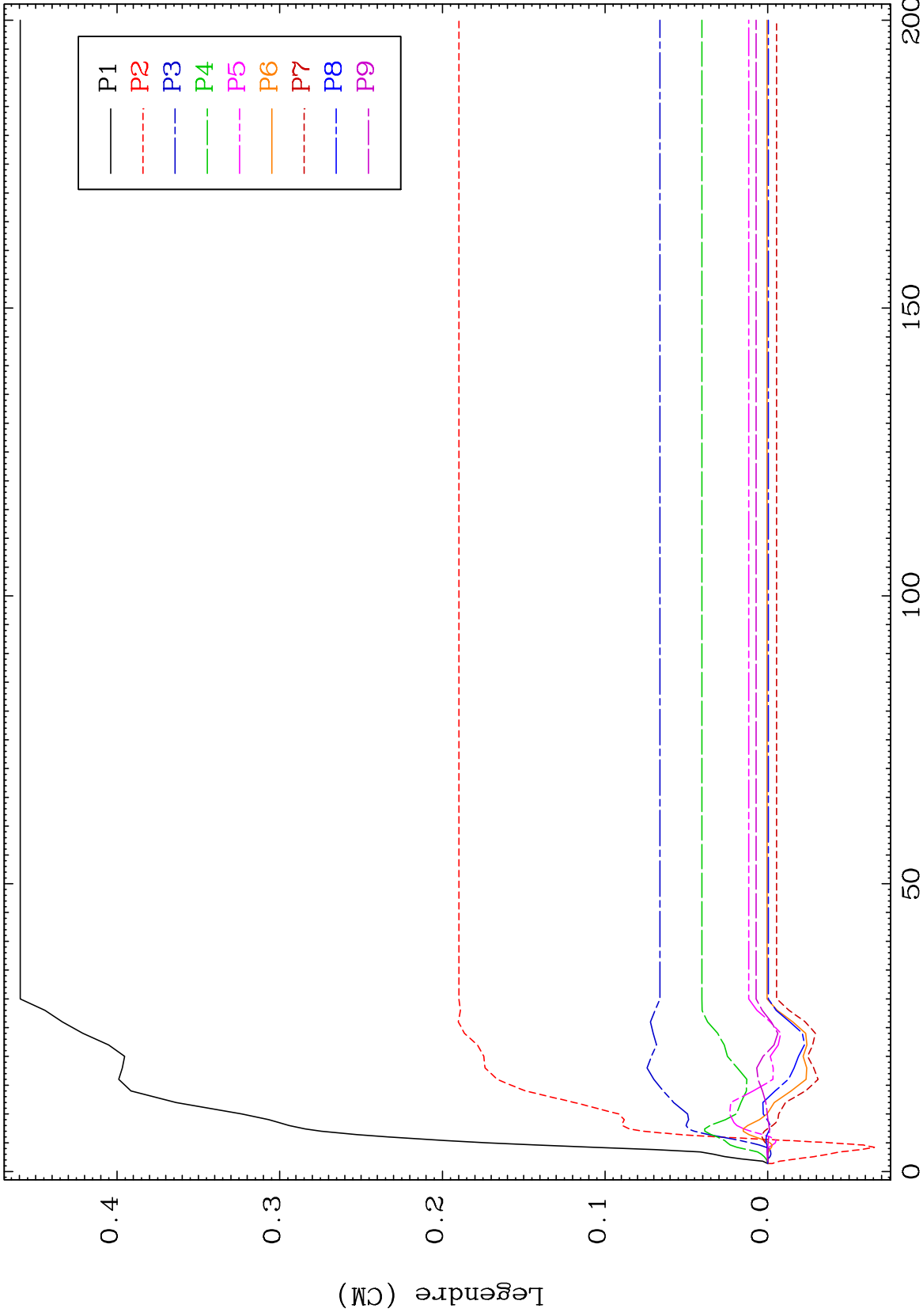
Incident Energy (MeV)

62

MAT 5822

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

58-Ce-135



63

Incident Energy (MeV)

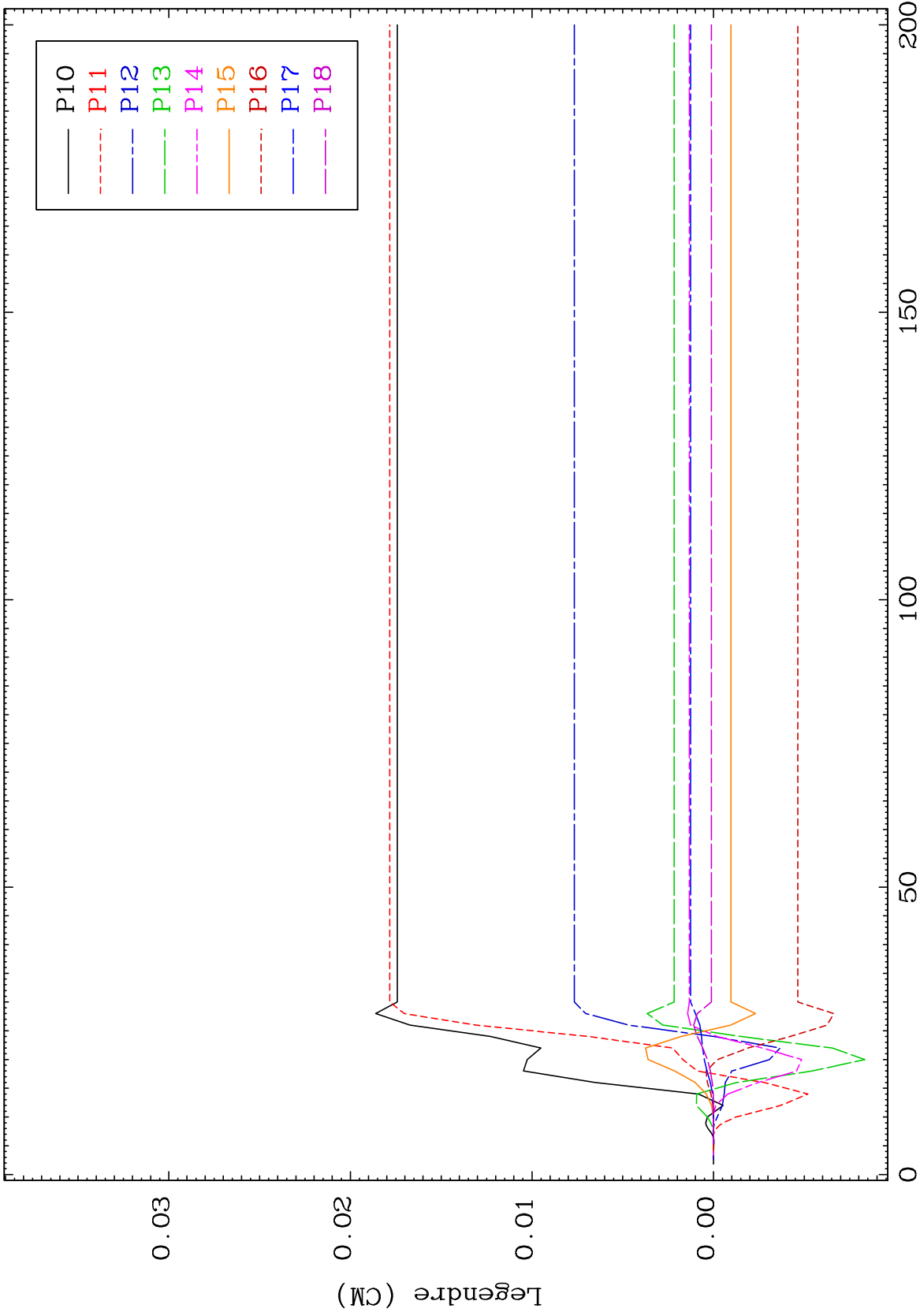
58-Ce-135



MAT 5822

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

58-Ce-135



64

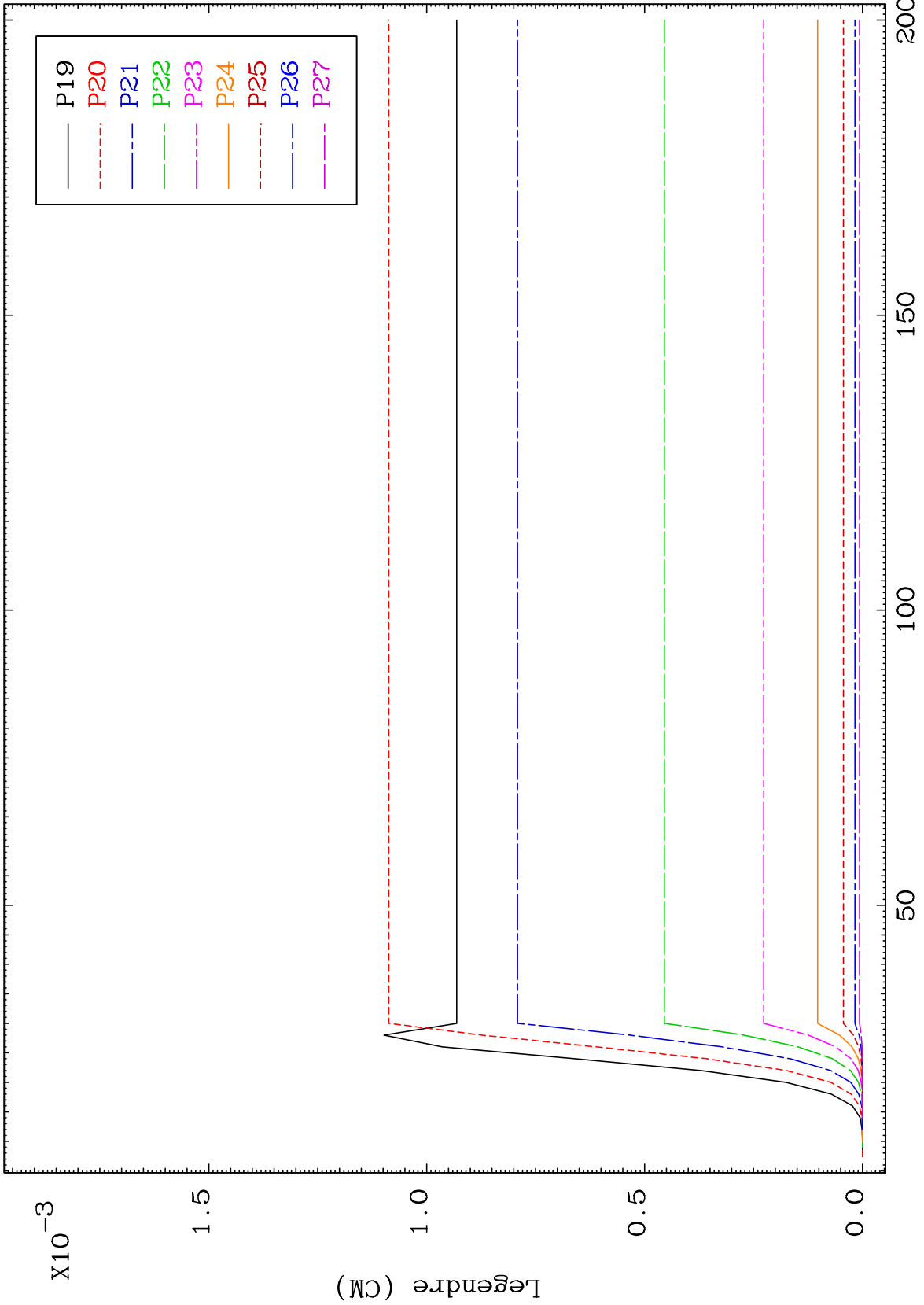
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



65

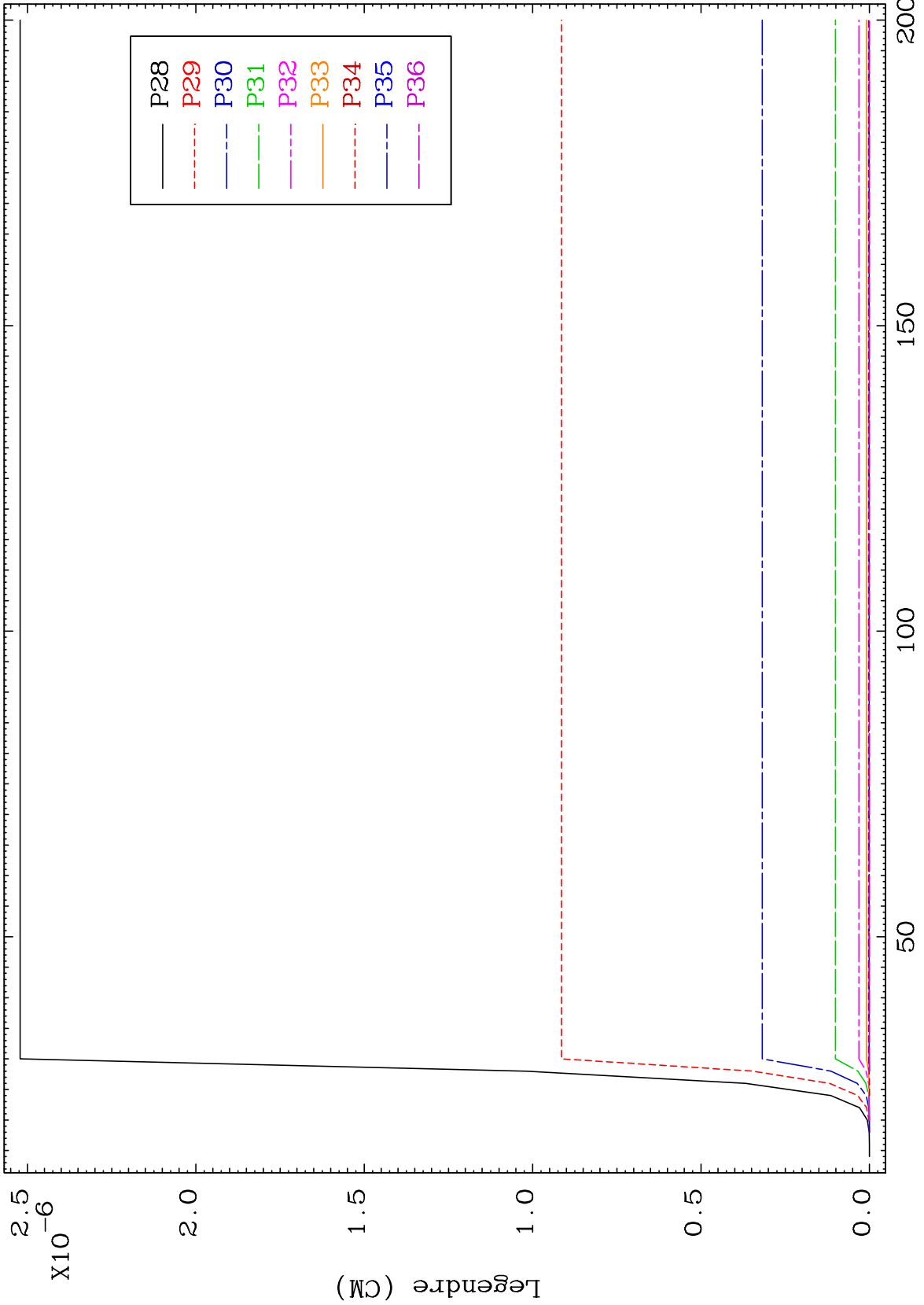
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



66

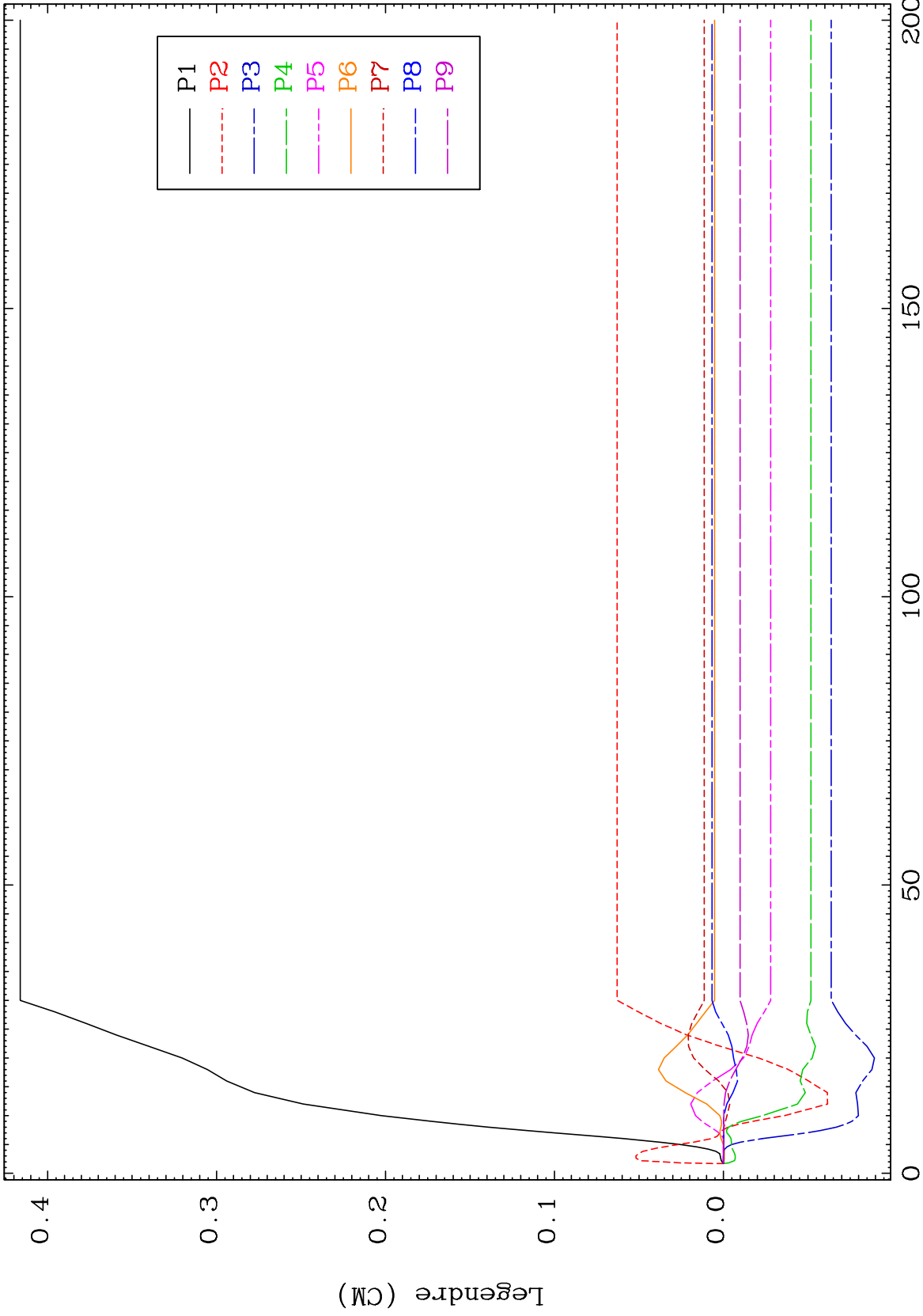
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



67

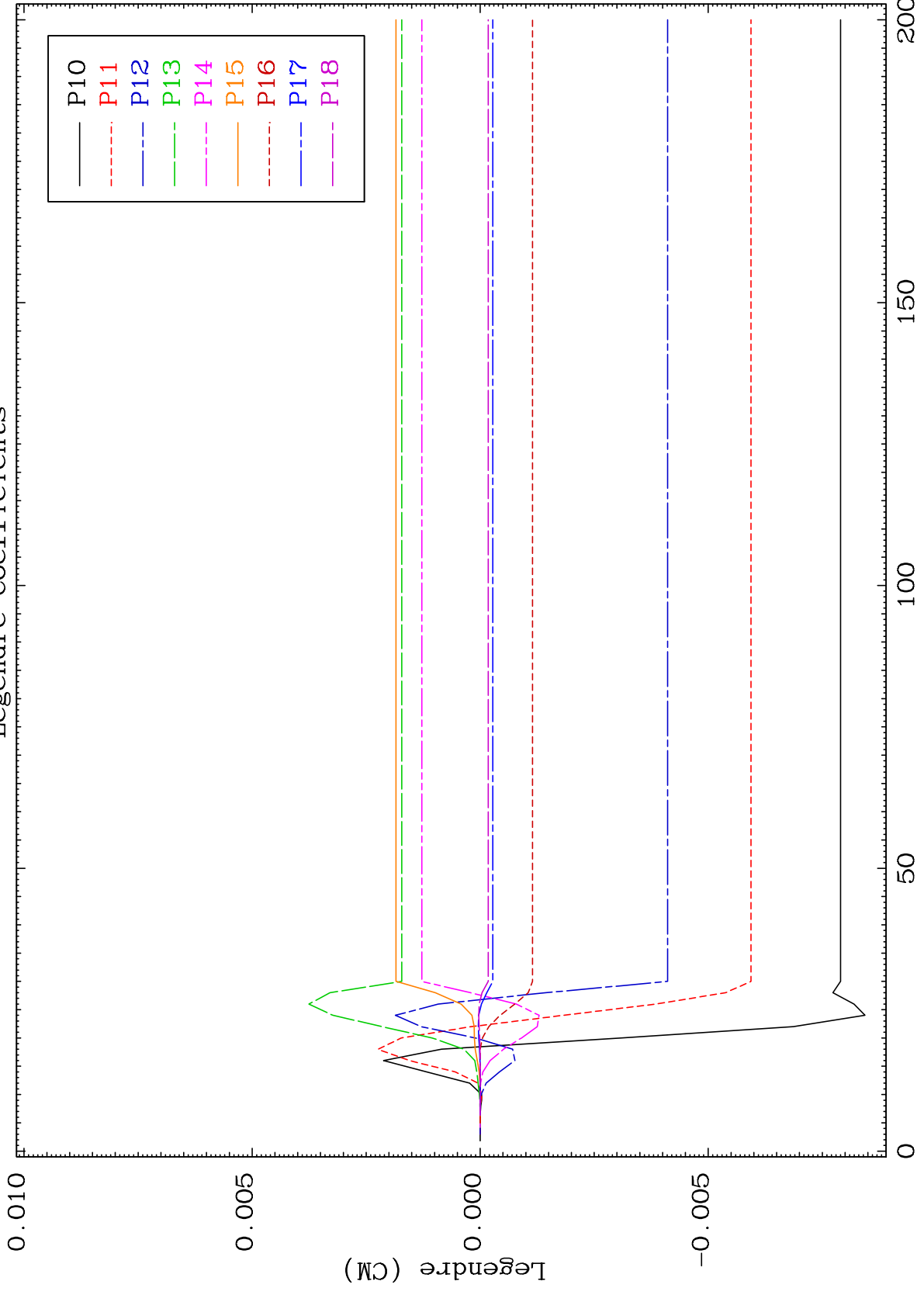
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



68

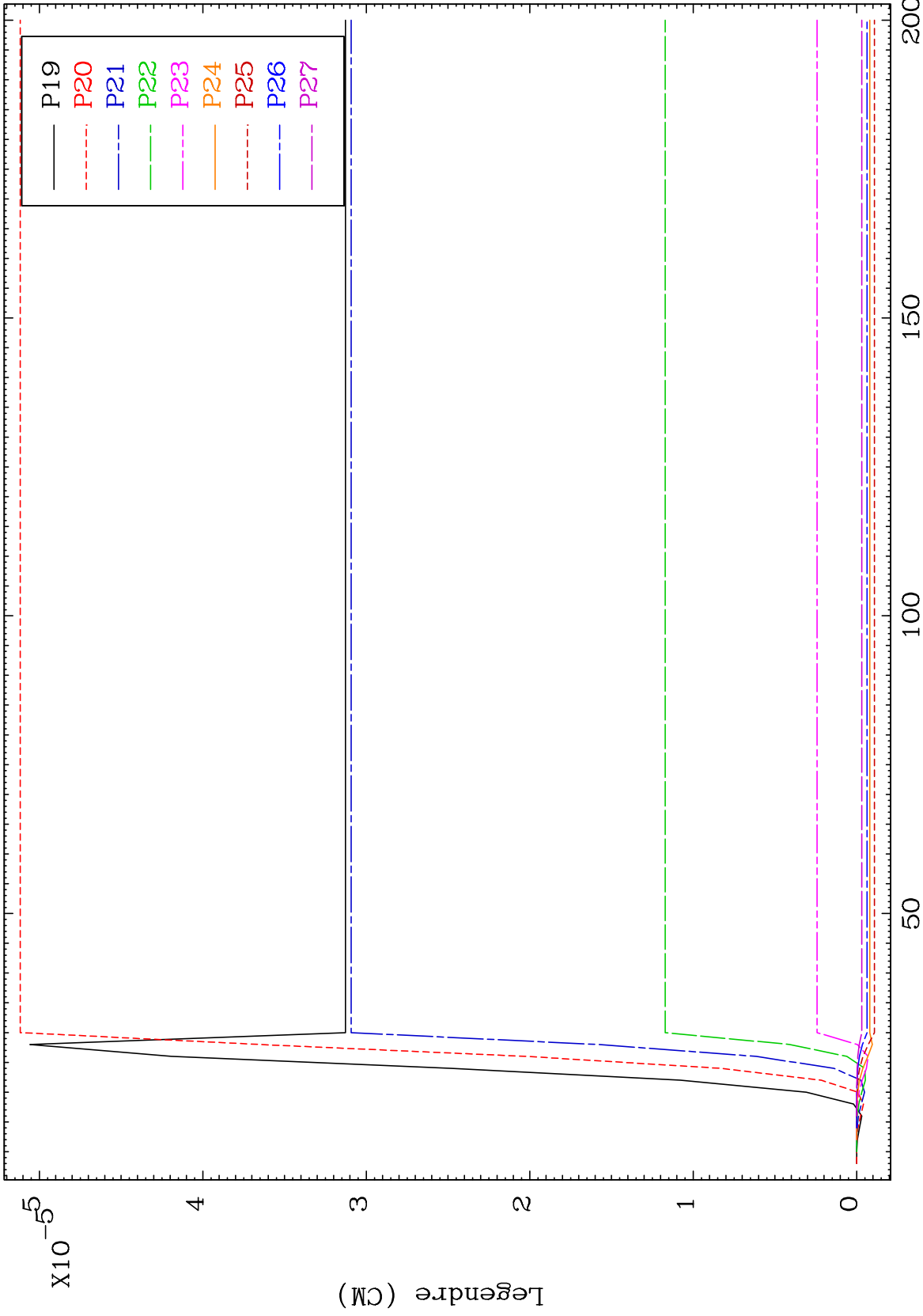
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



69

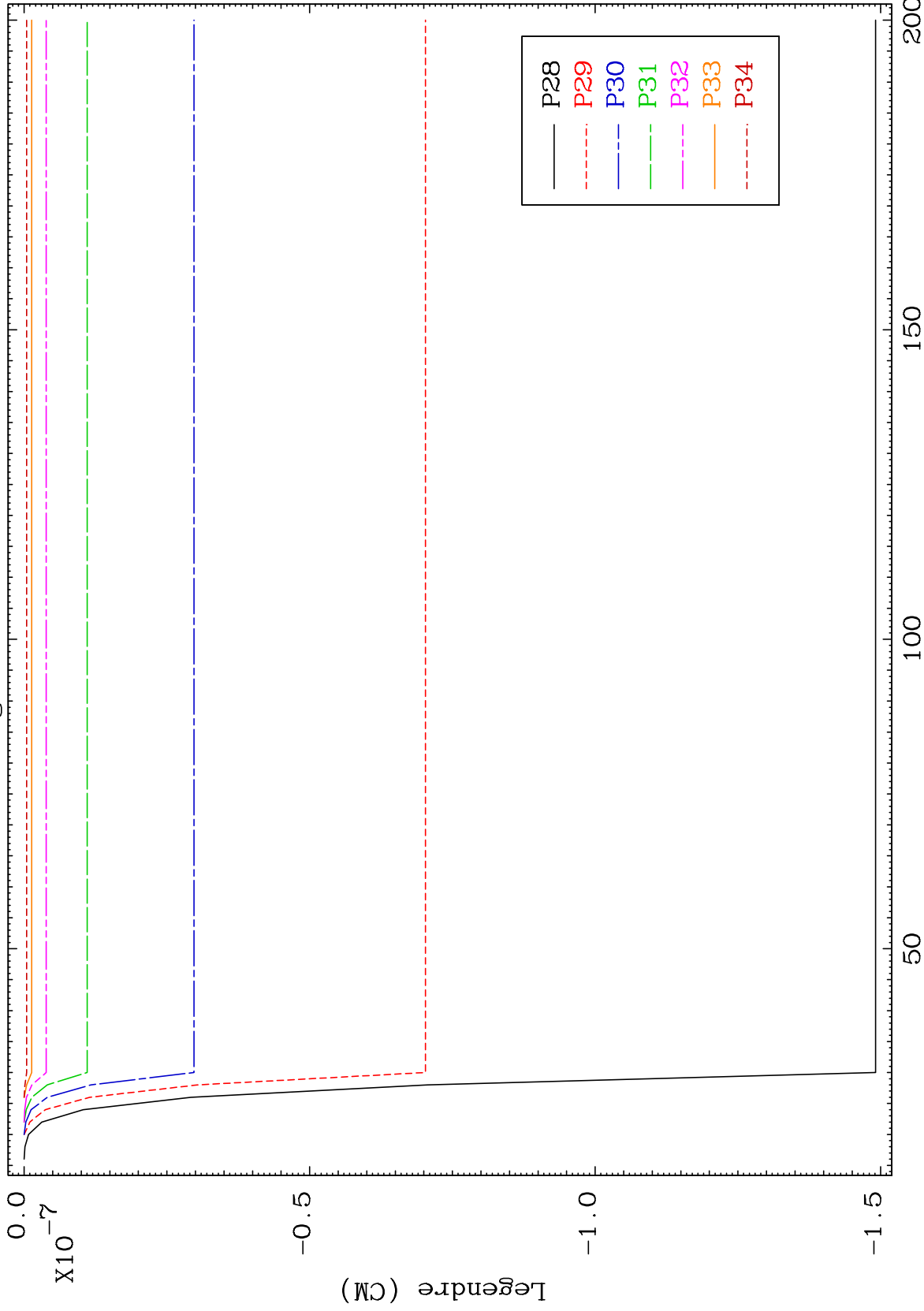
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



58-Ce-135

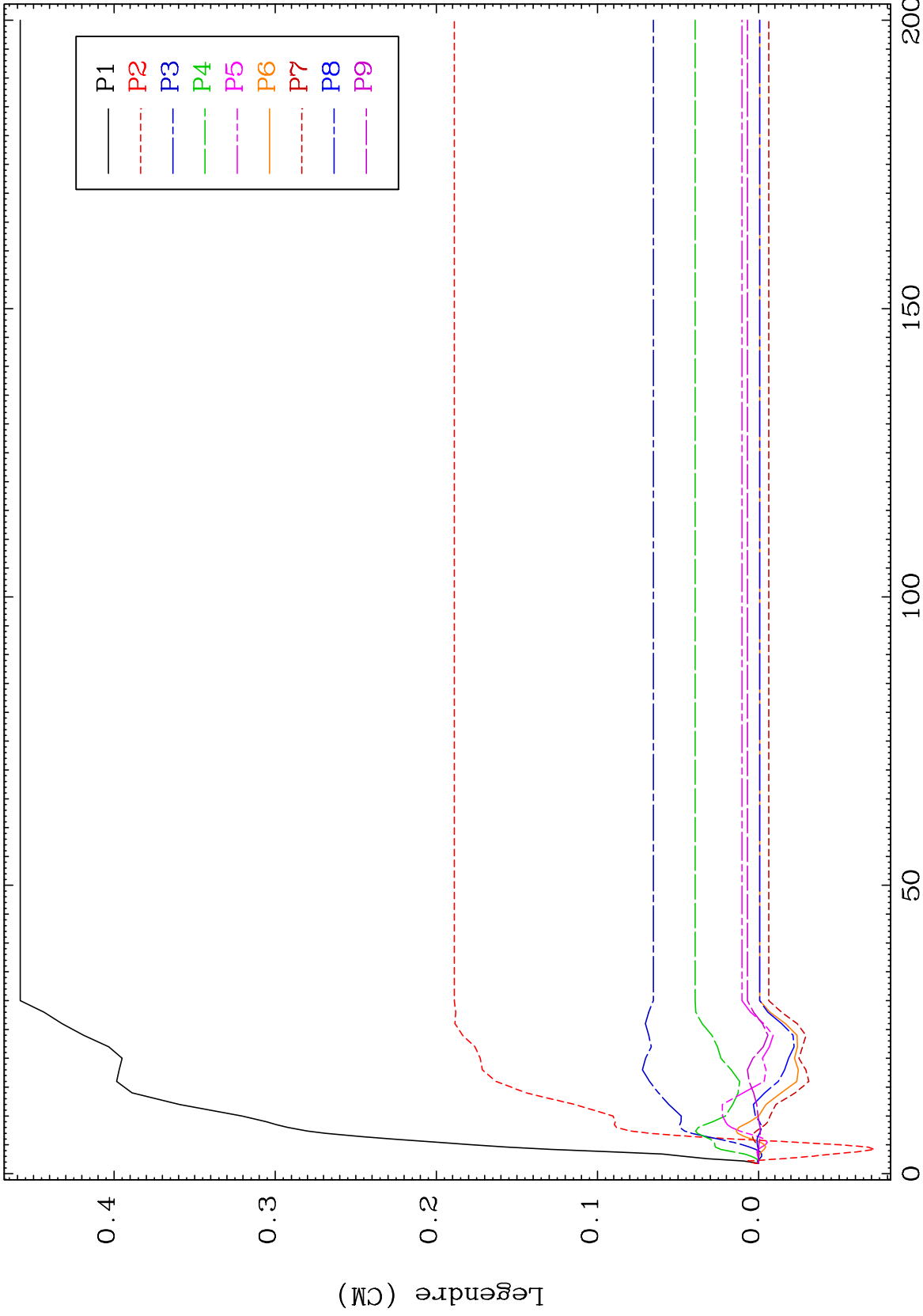
Incident Energy (MeV)

70

MAT 5822

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

58-Ce-135



71

Incident Energy (MeV)

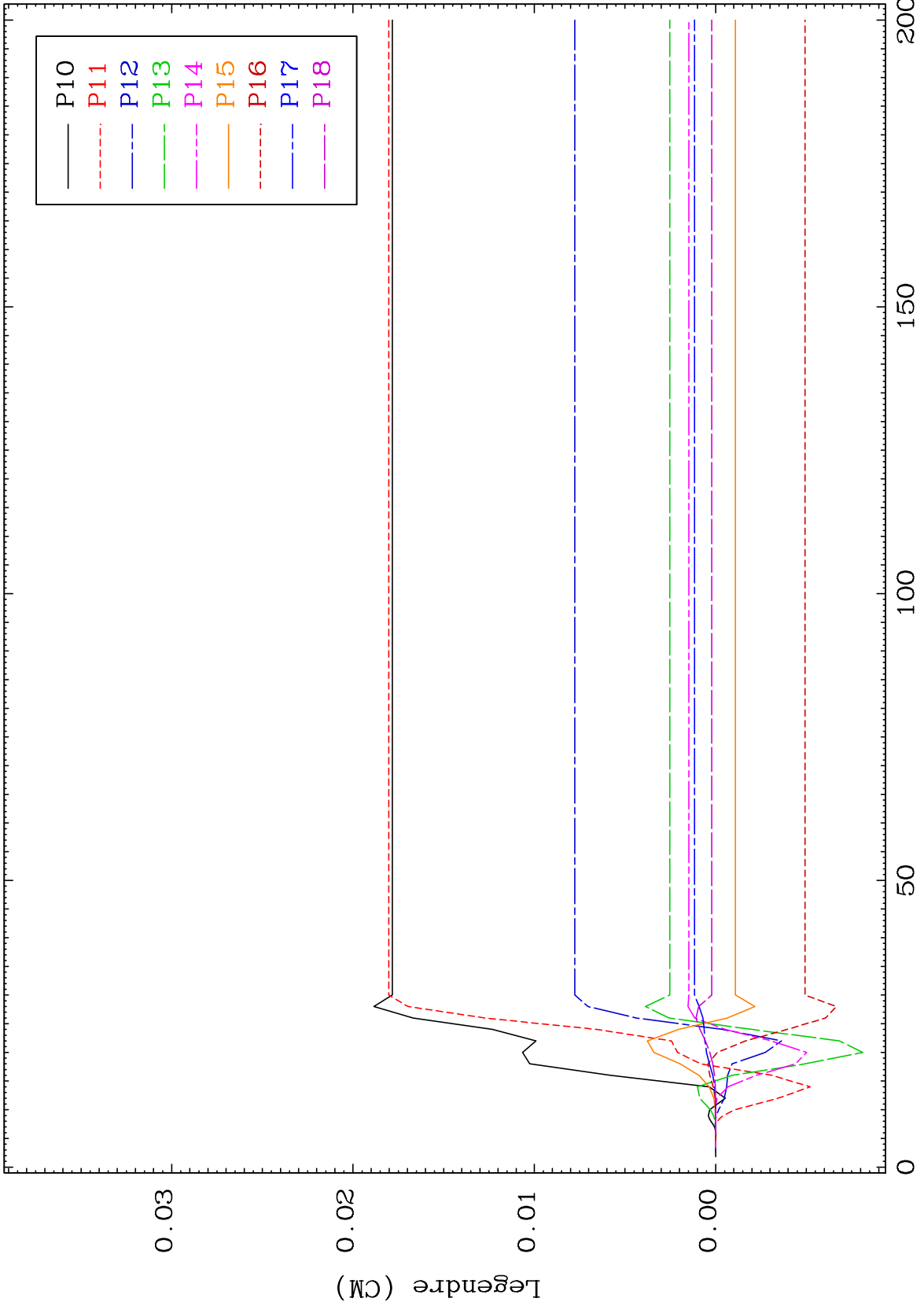
58-Ce-135



MAT 5822

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

58-Ce-135



72

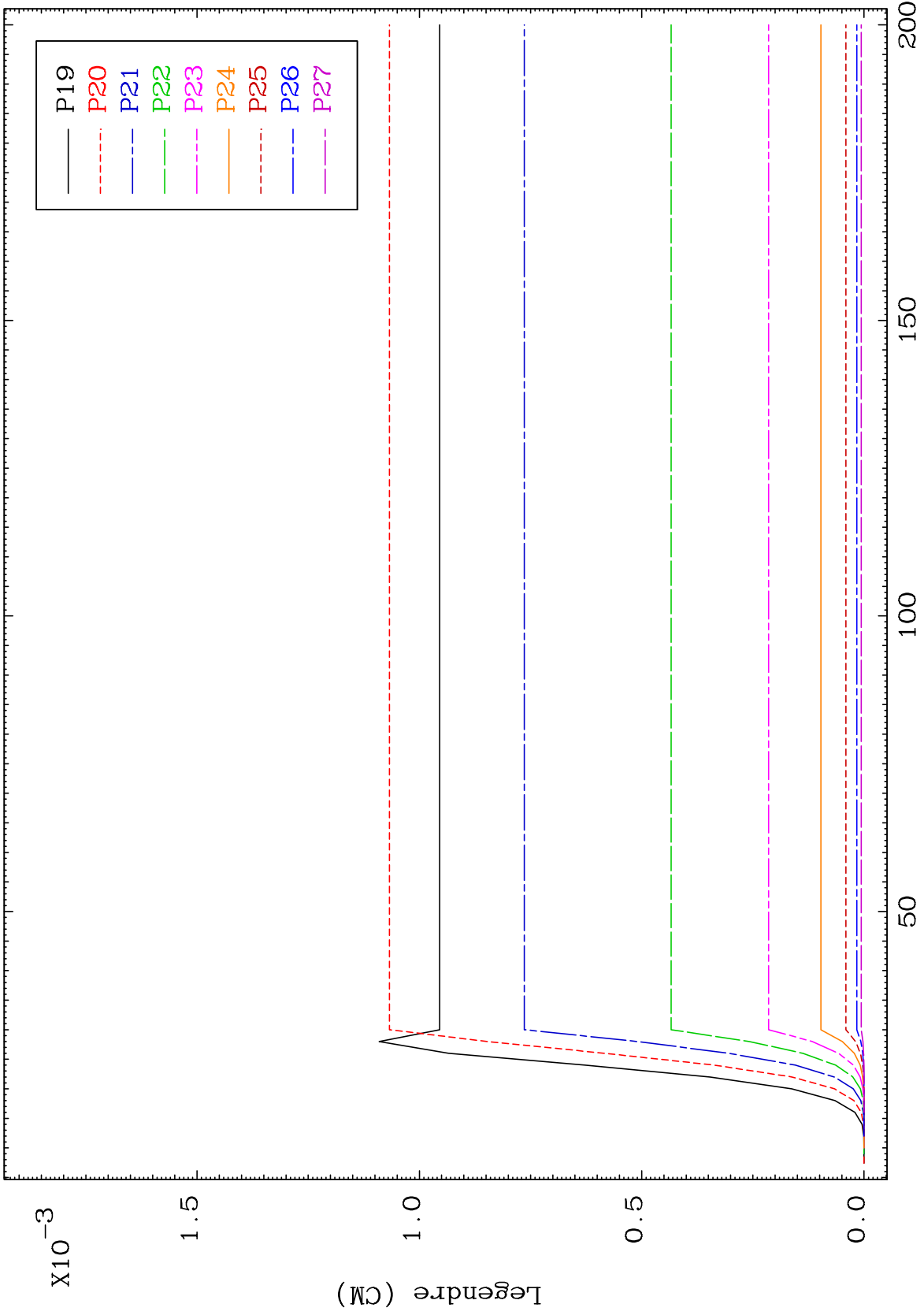
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

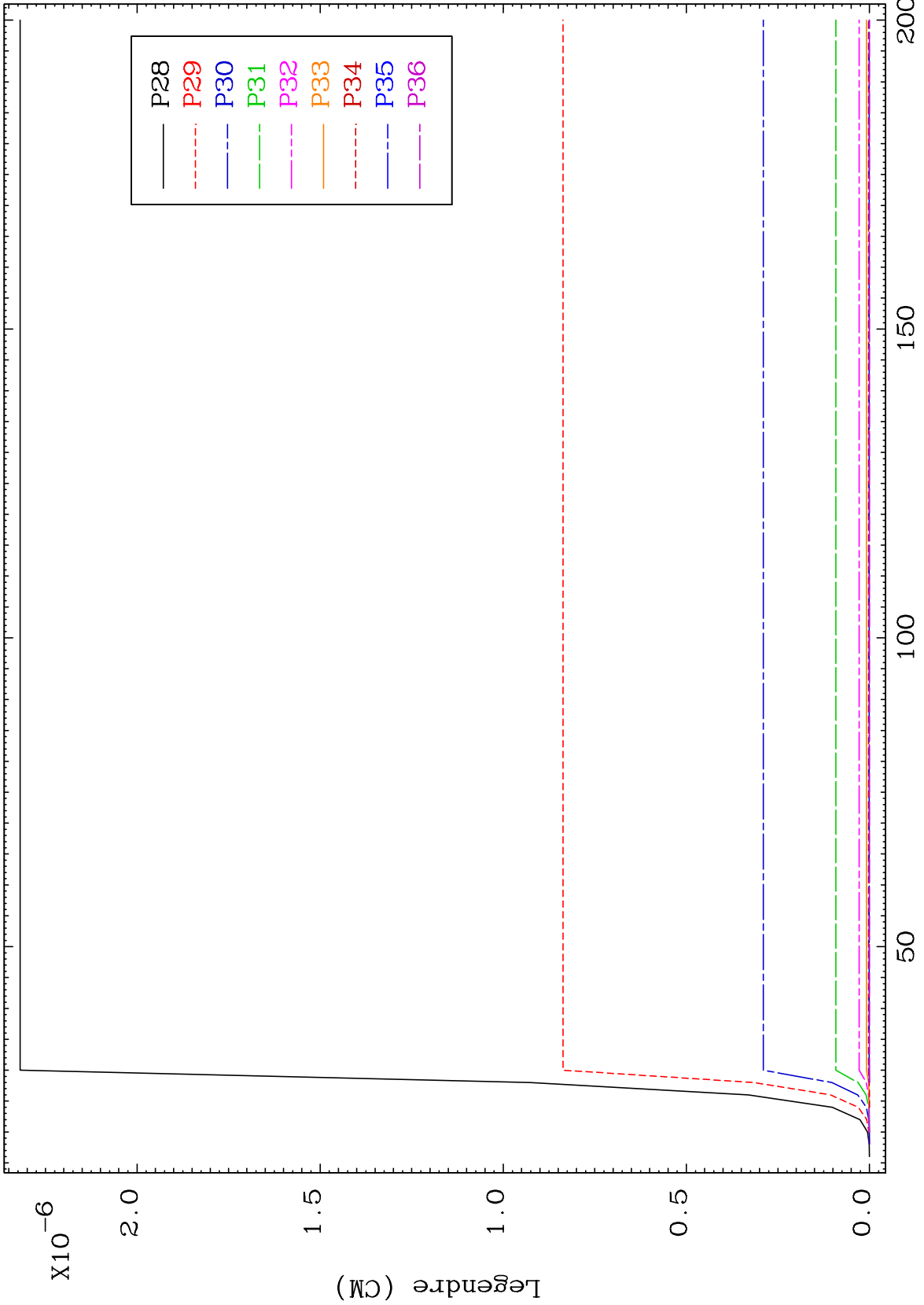
58-Ce-135



MAT 5822

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

58-Ce-135



74

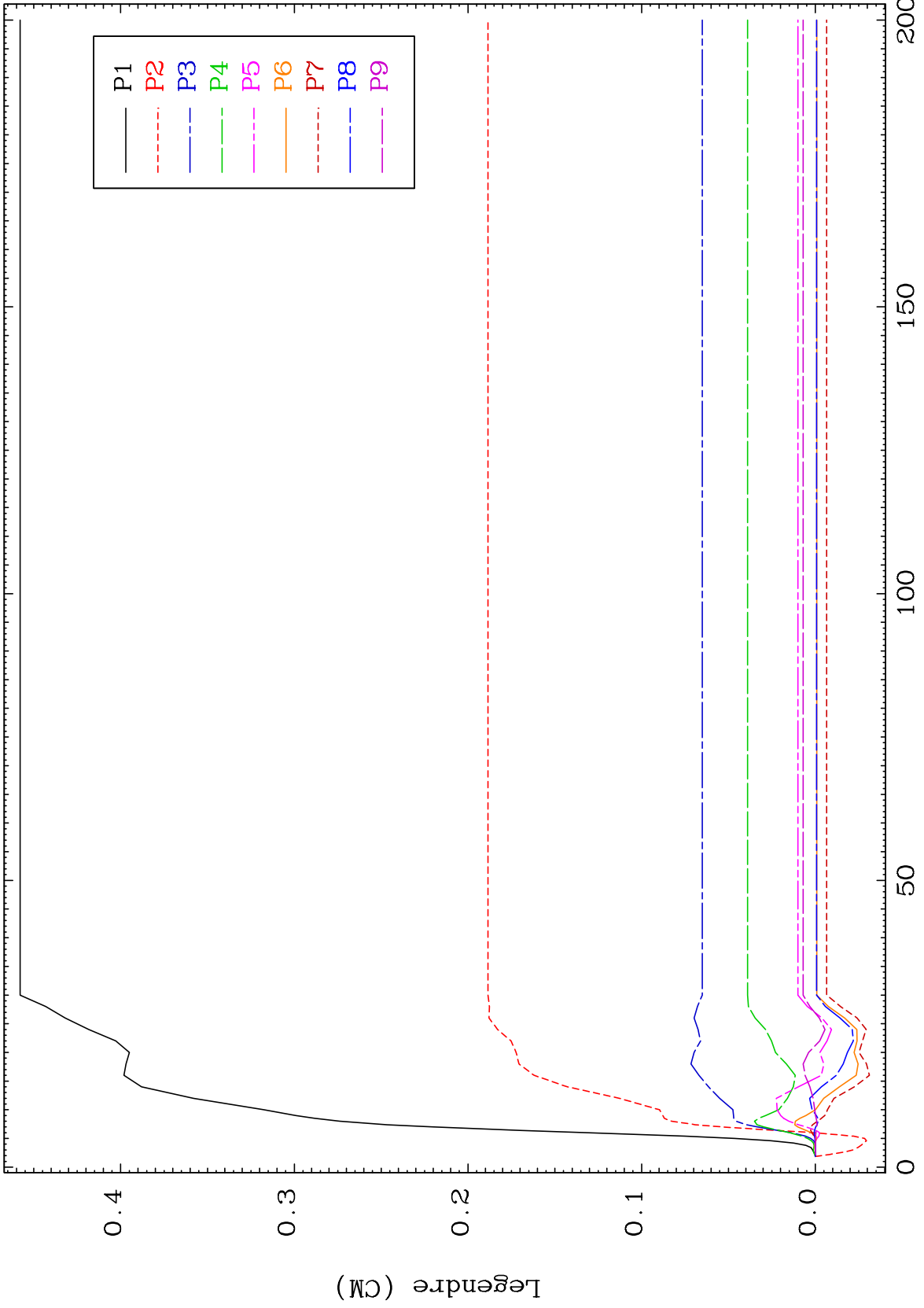
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



75

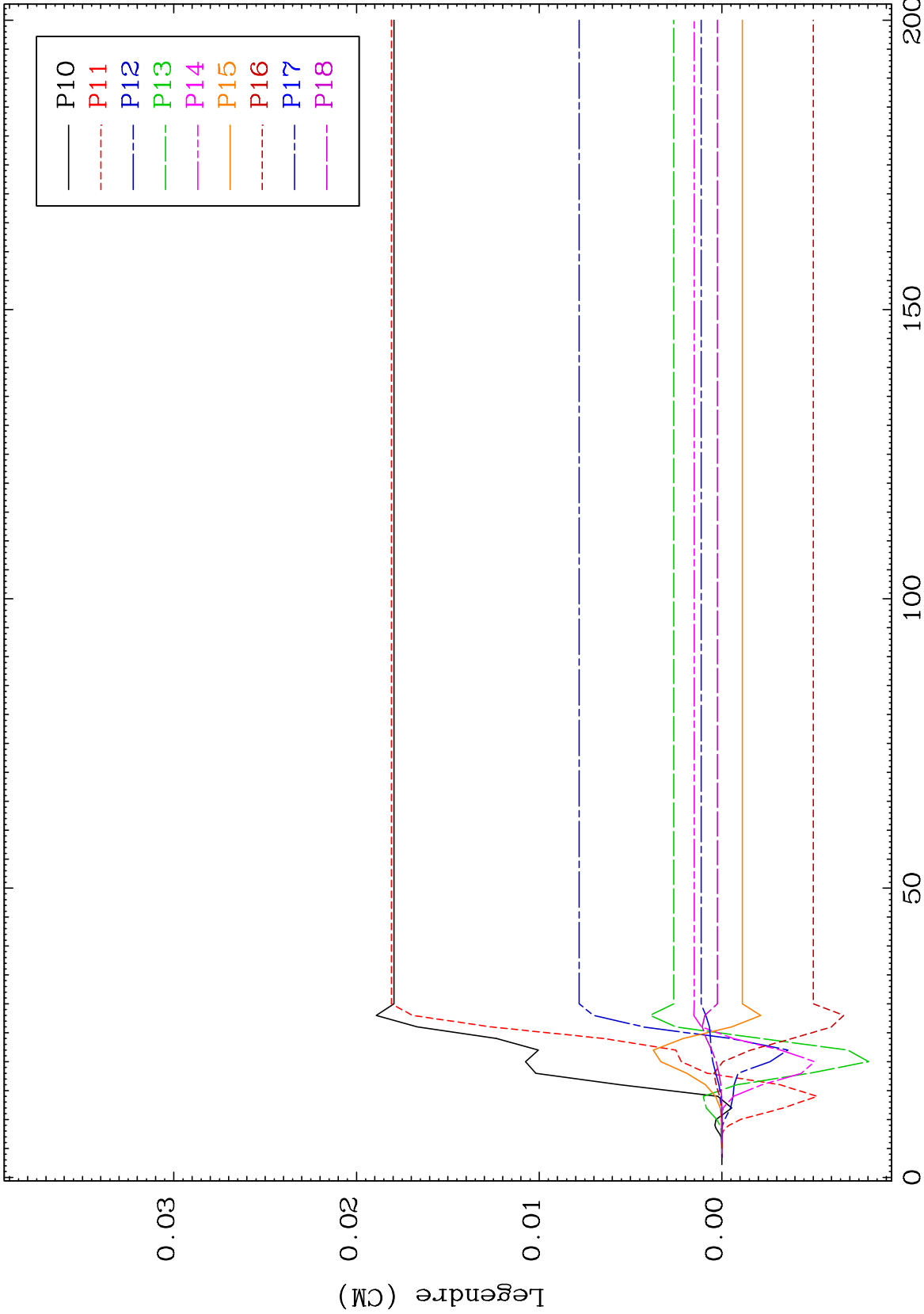
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



76

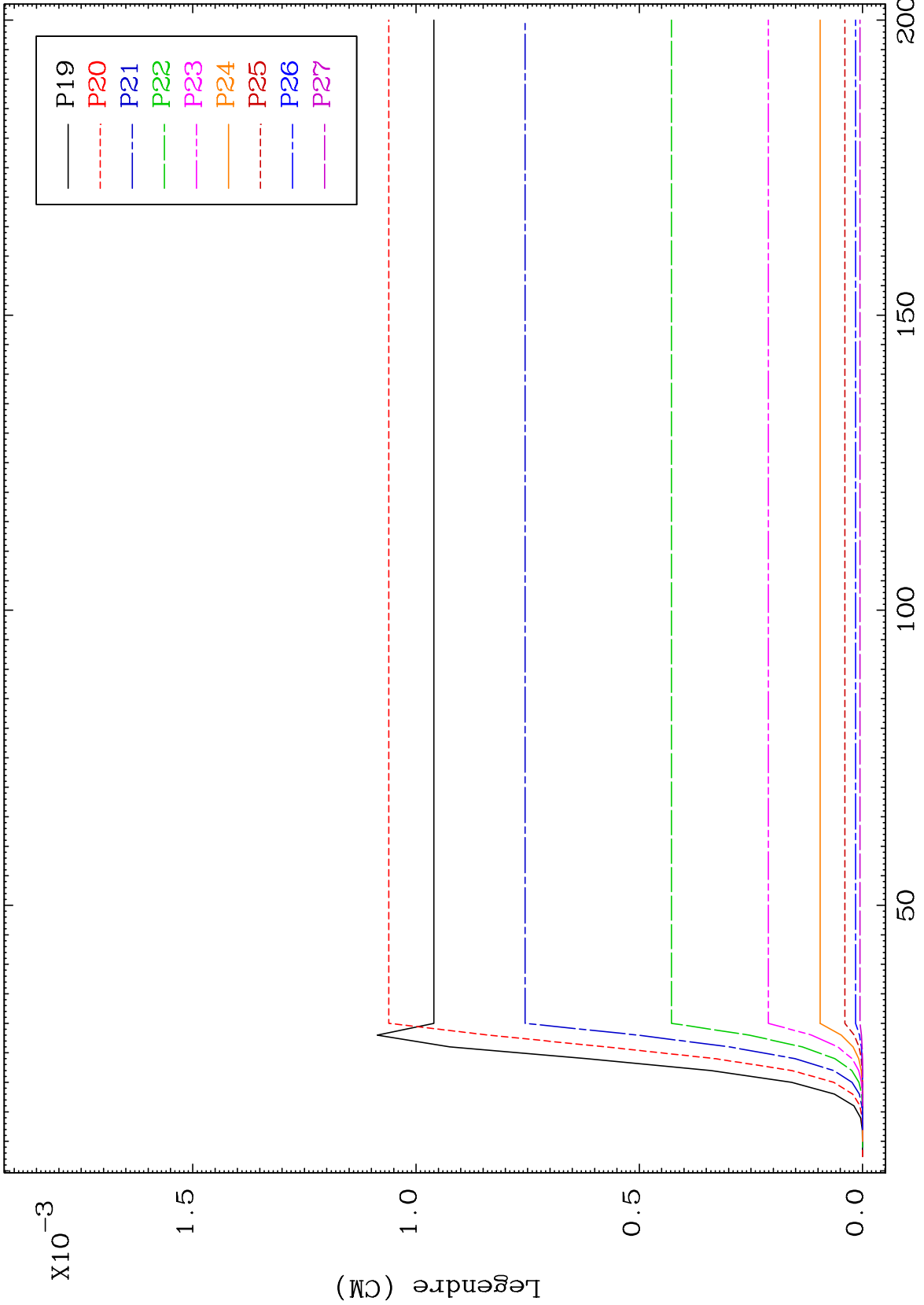
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



77

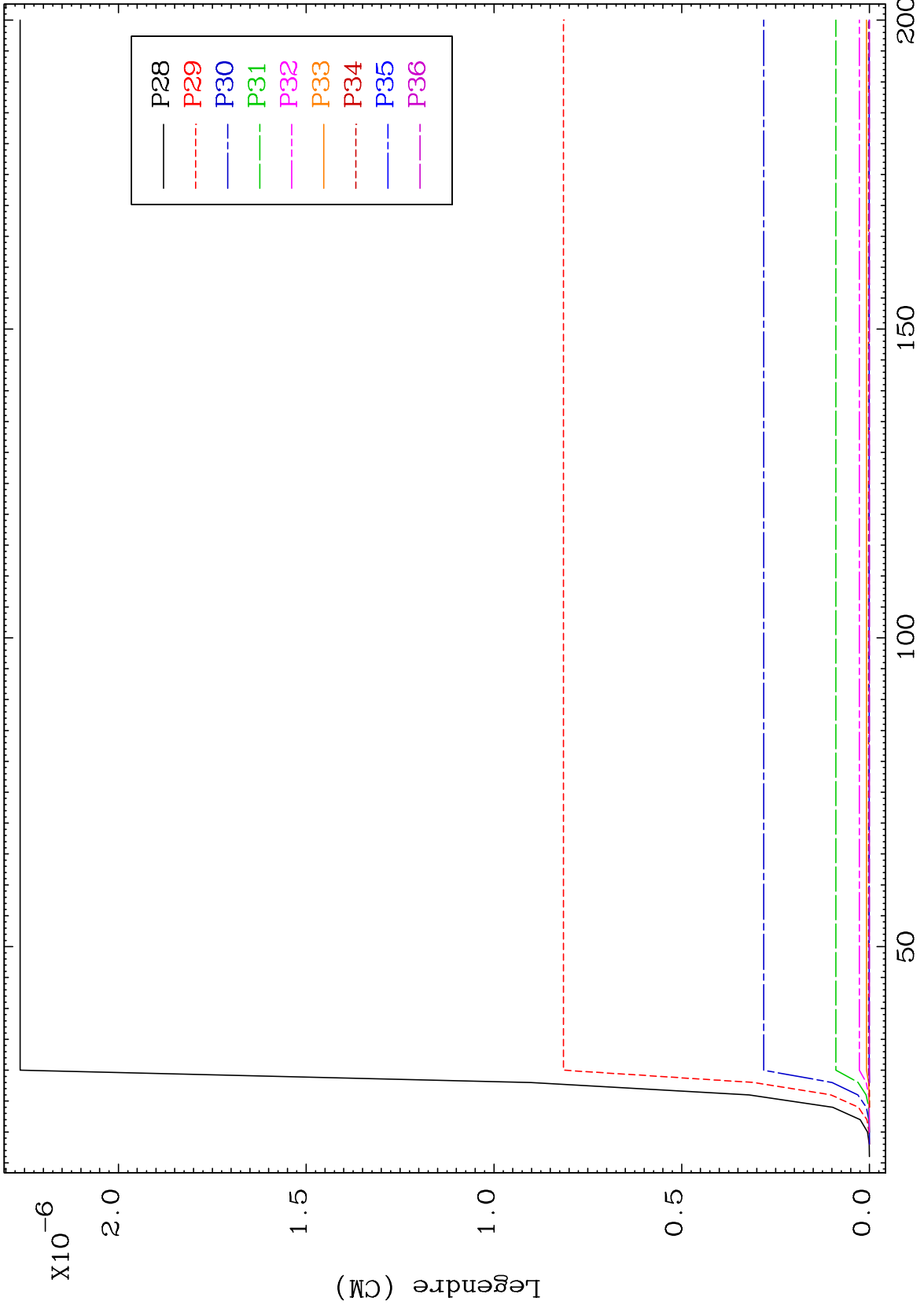
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



78

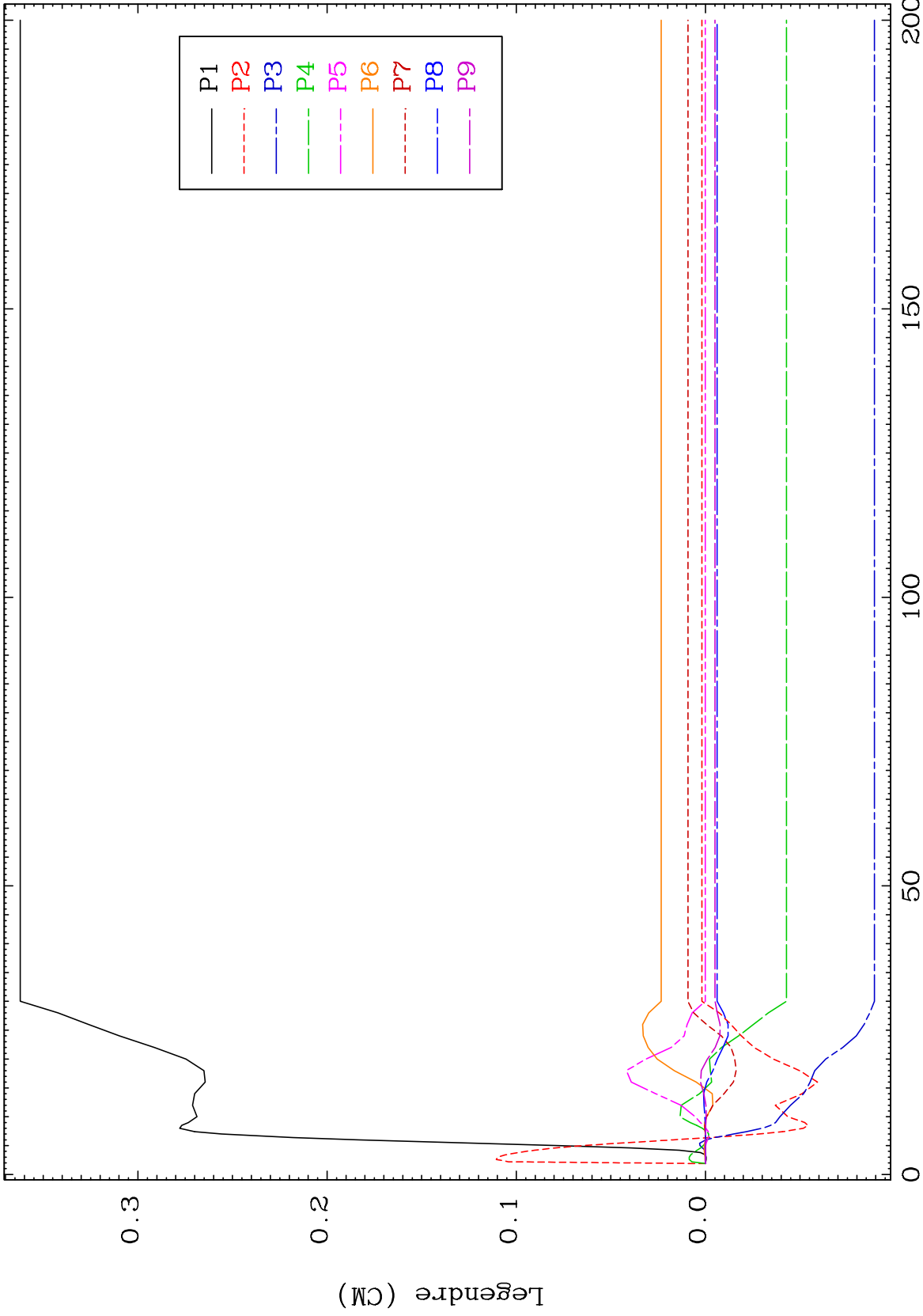
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



79

Incident Energy (MeV)

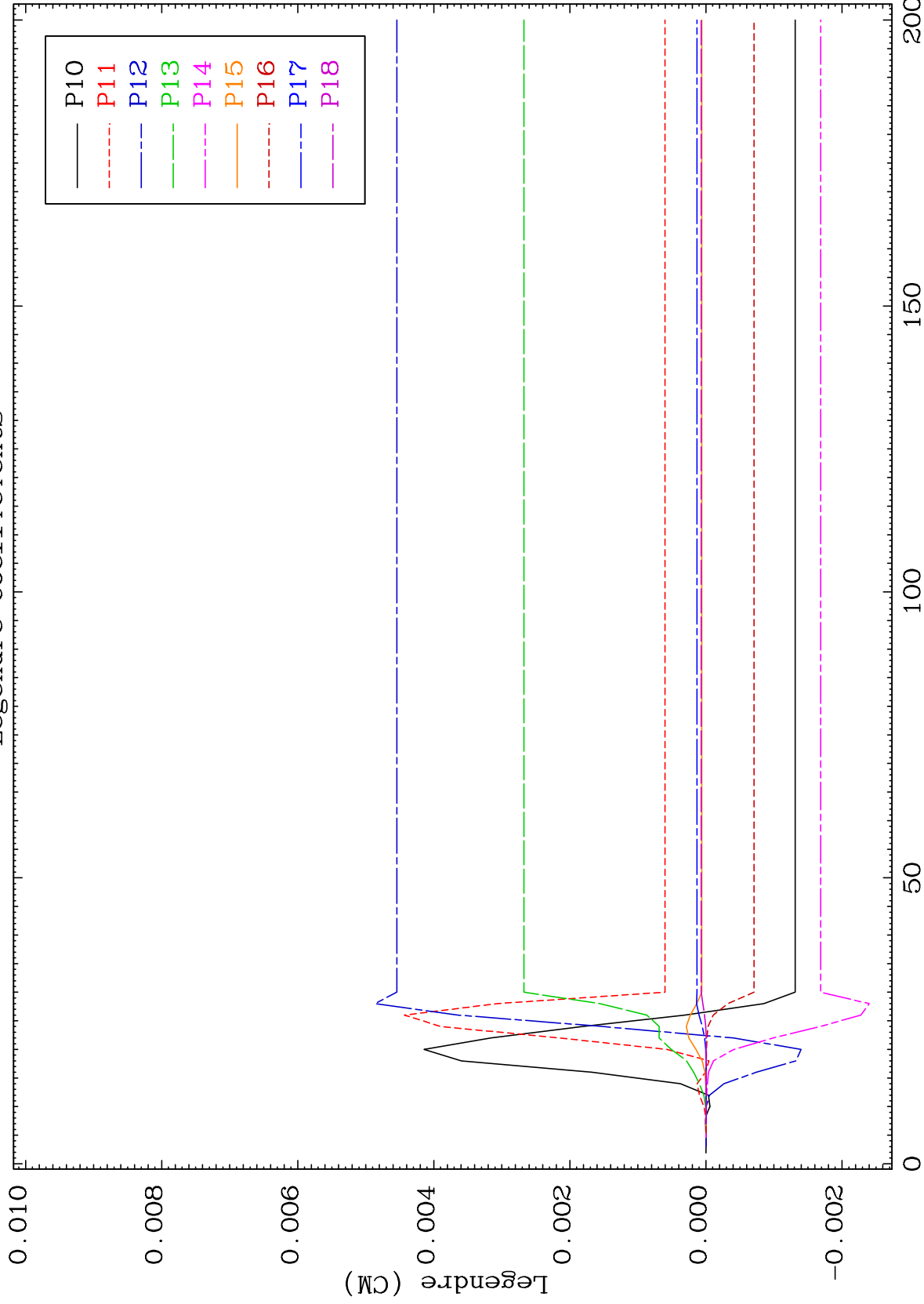
58-Ce-135



MAT 5822

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

58-Ce-135



80

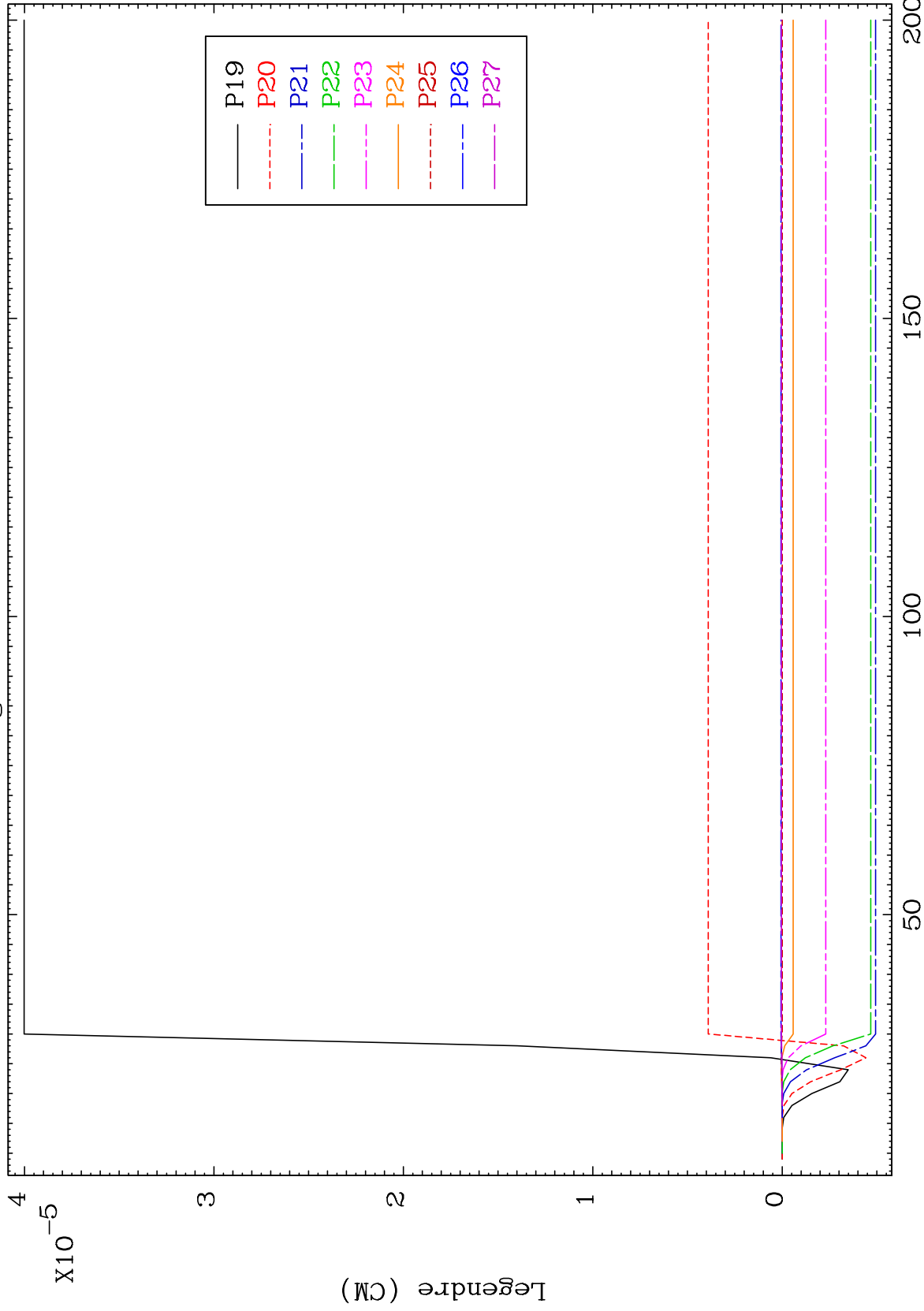
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



81

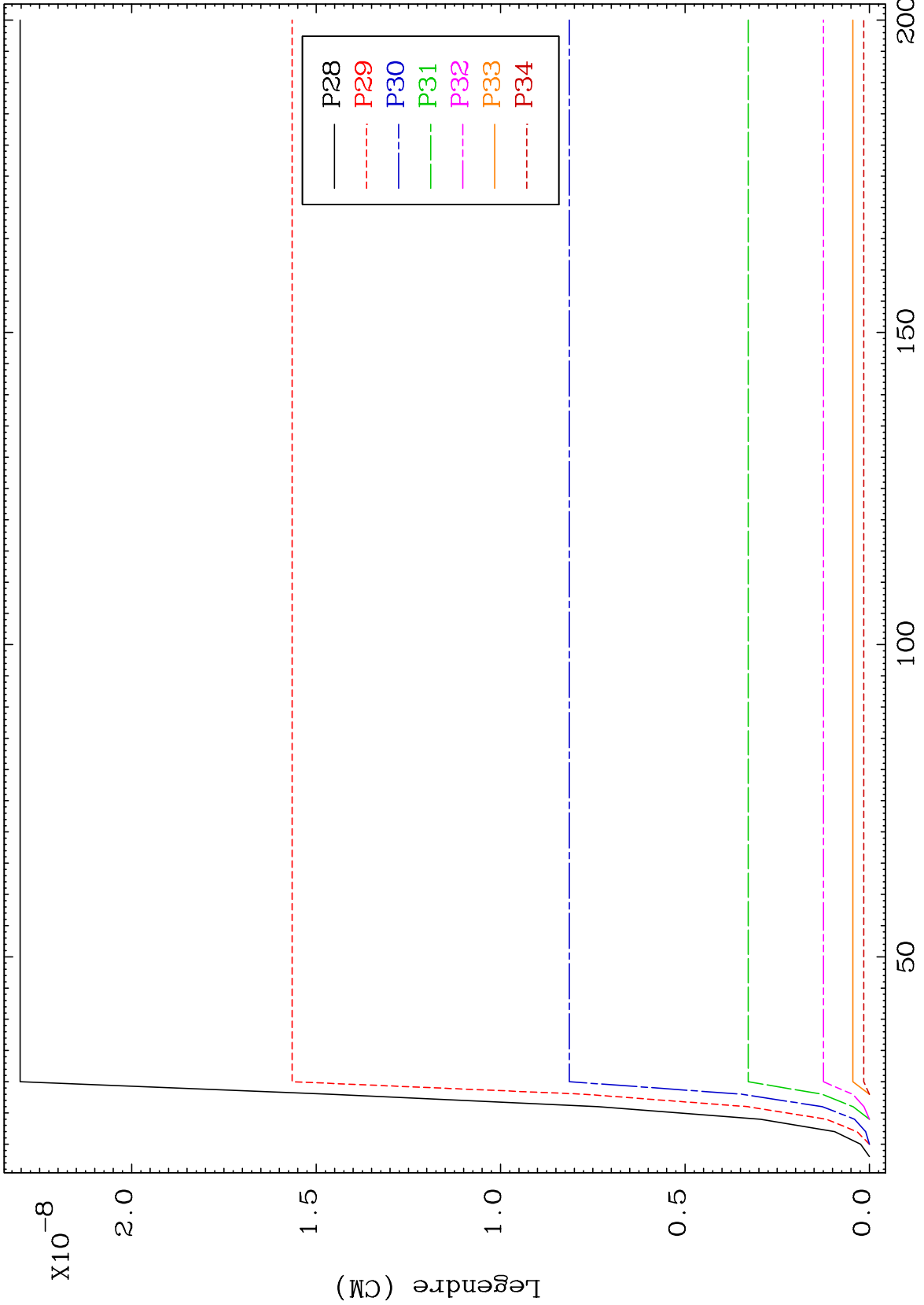
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



82

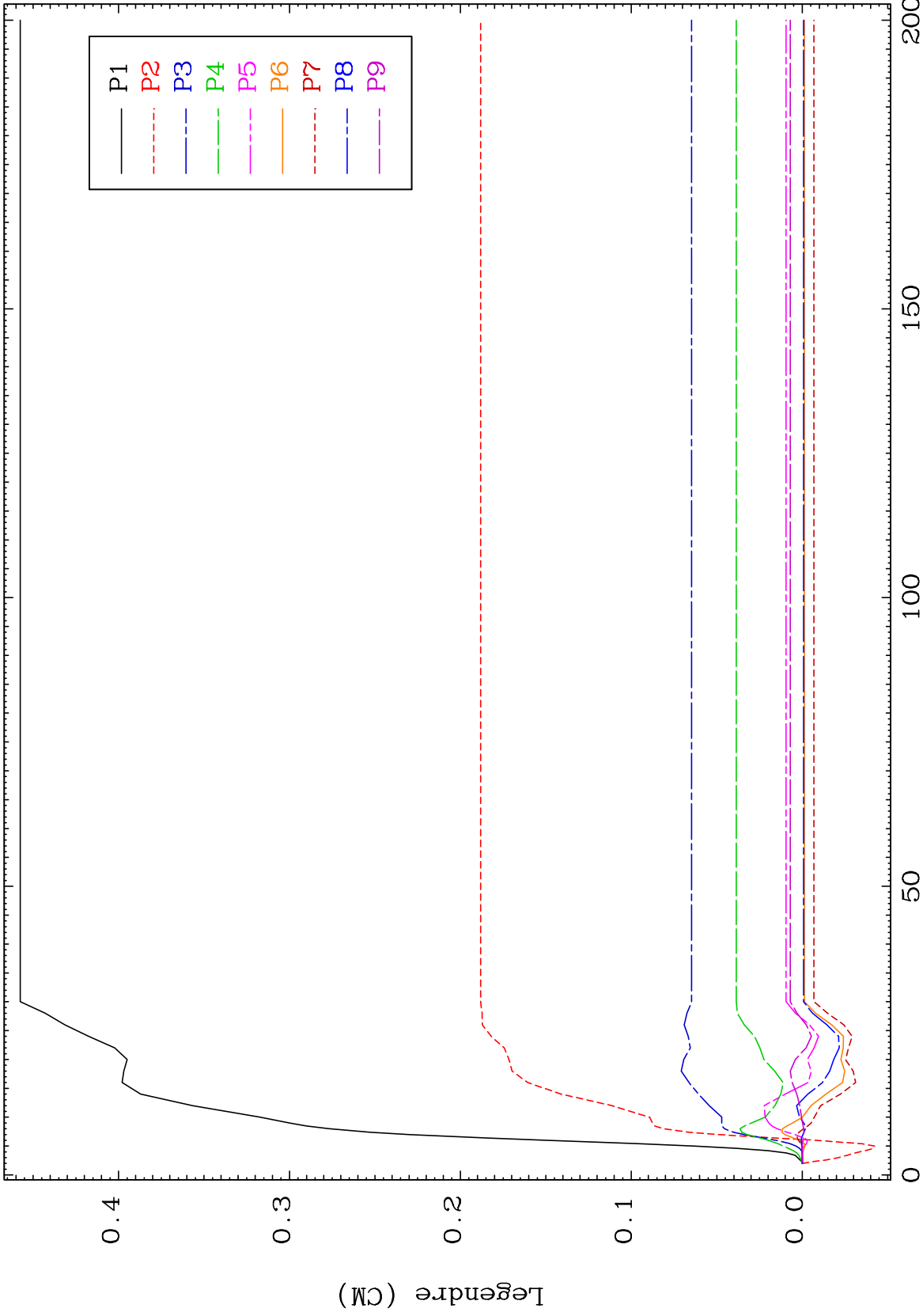
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



83

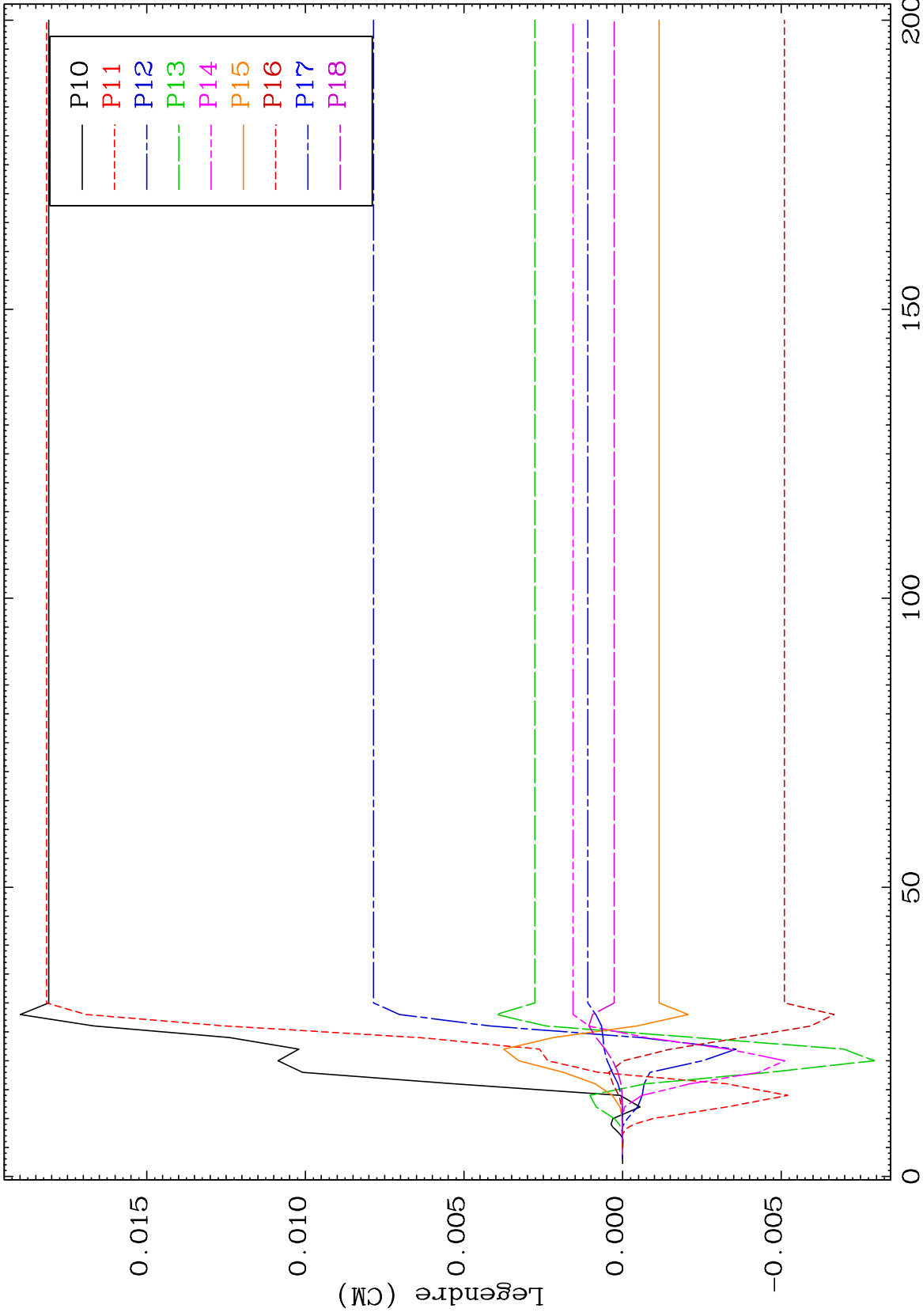
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



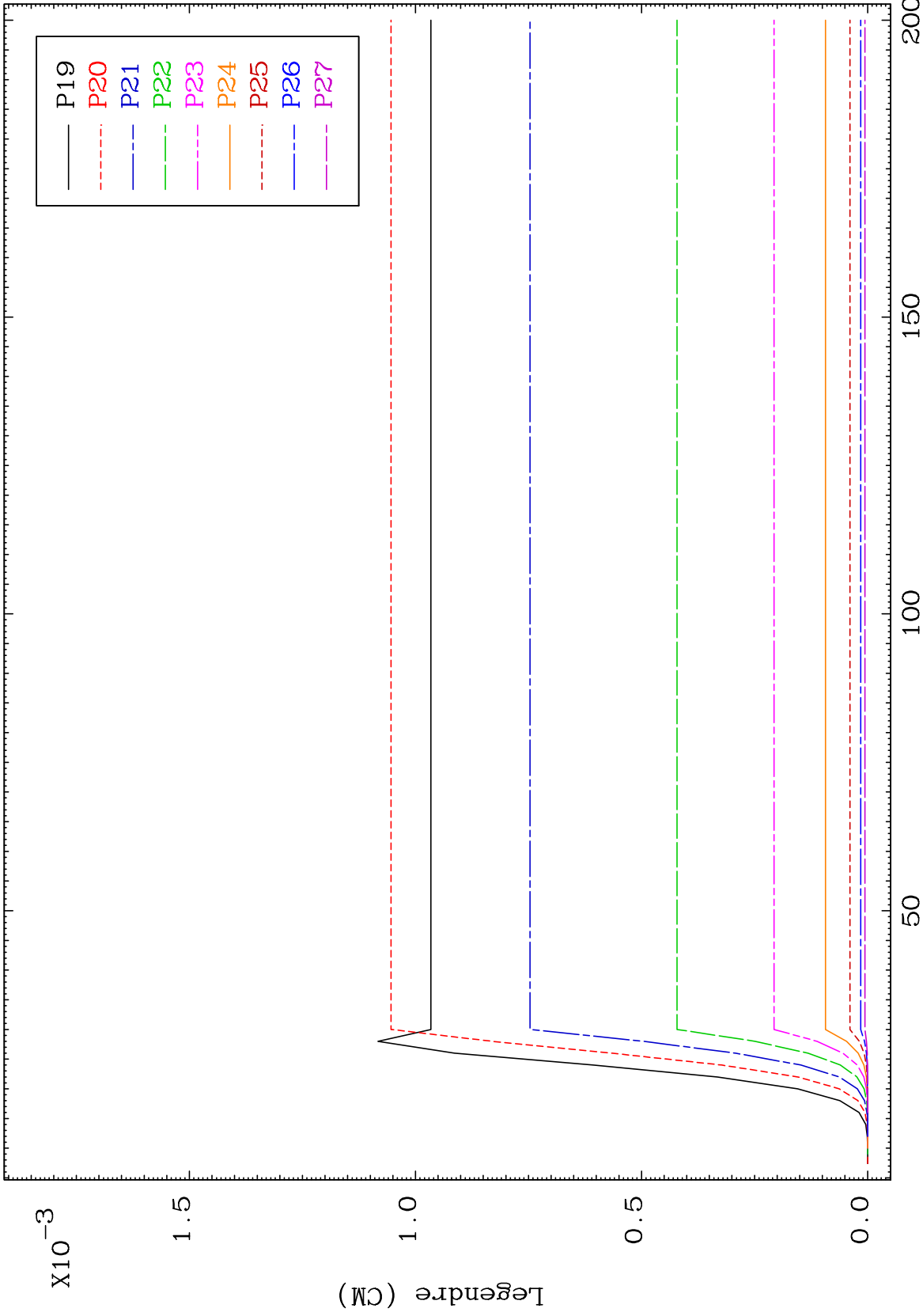
84

58-Ce-135

MAT 5822

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

58-Ce-135



85

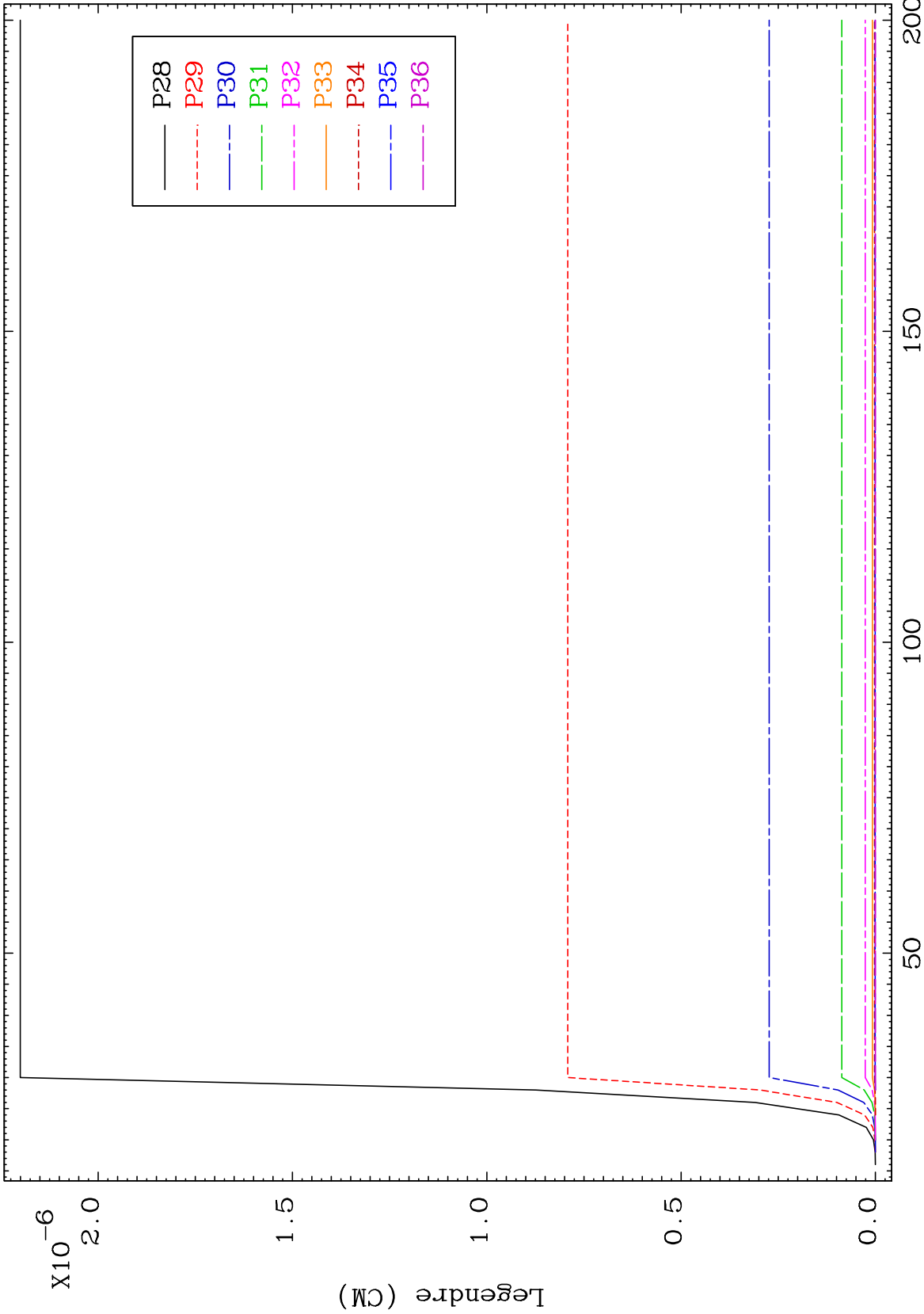
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



86

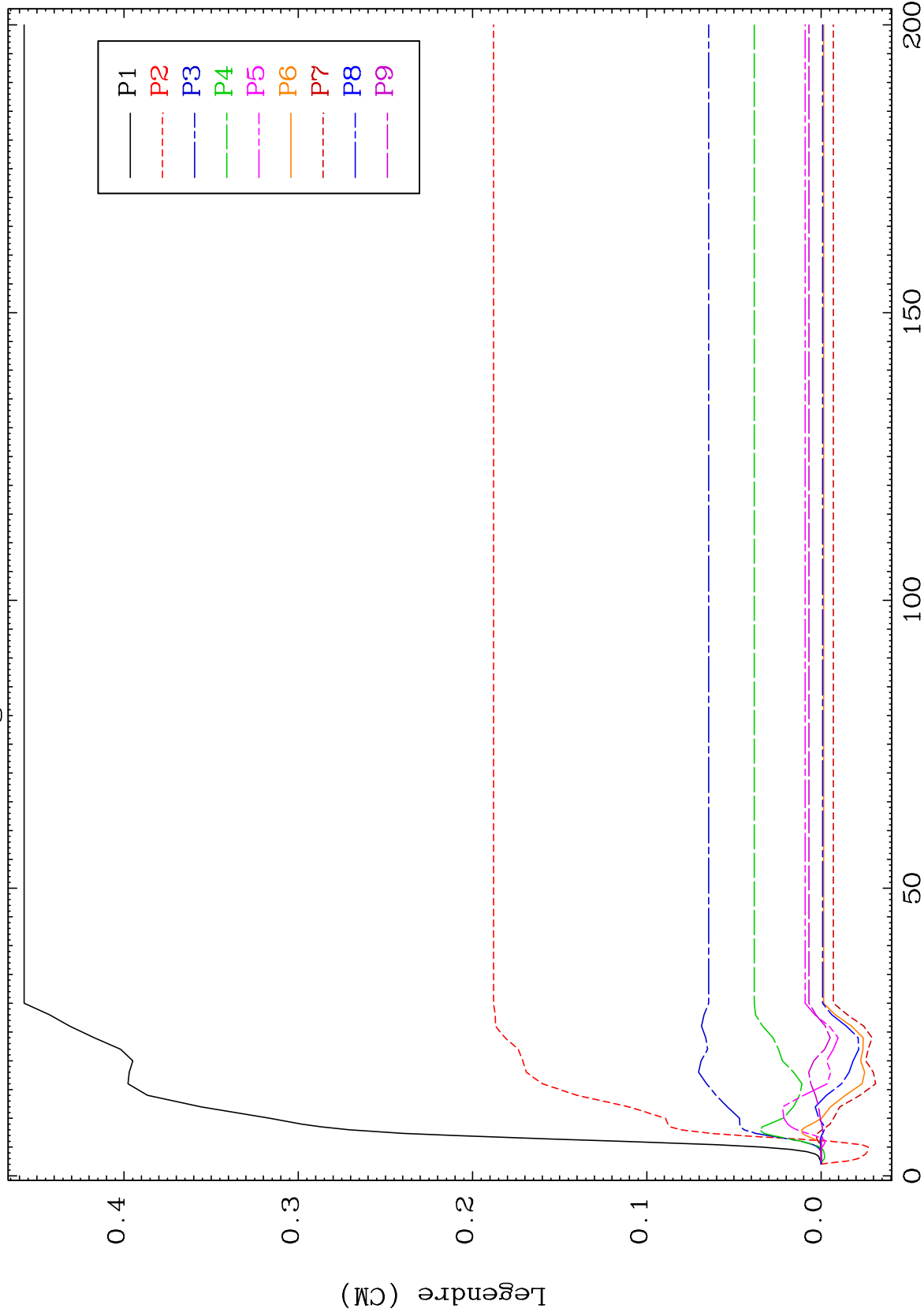
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

58-Ce-135



87

Incident Energy (MeV)

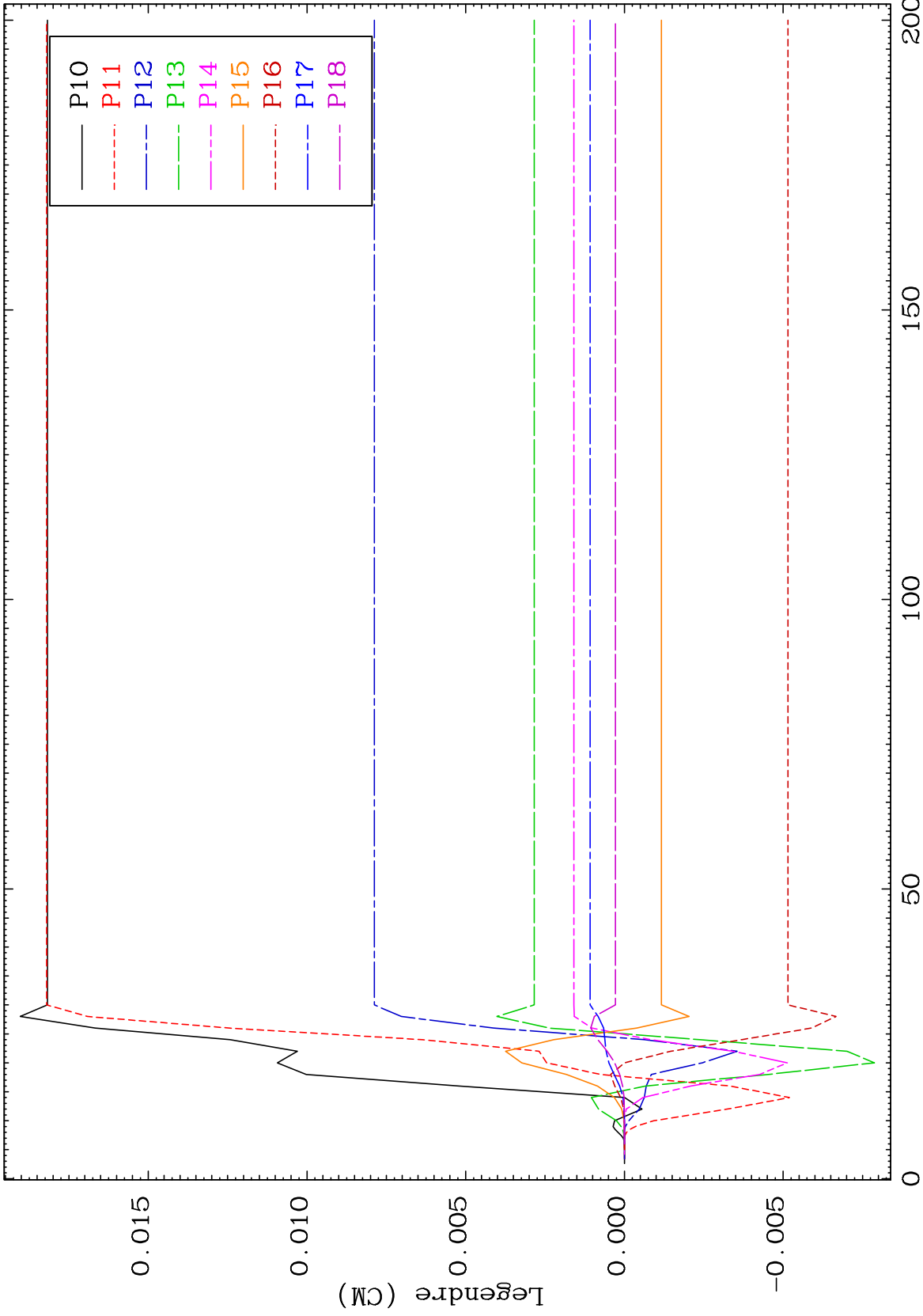
58-Ce-135



MAT 5822

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

58-Ce-135



88

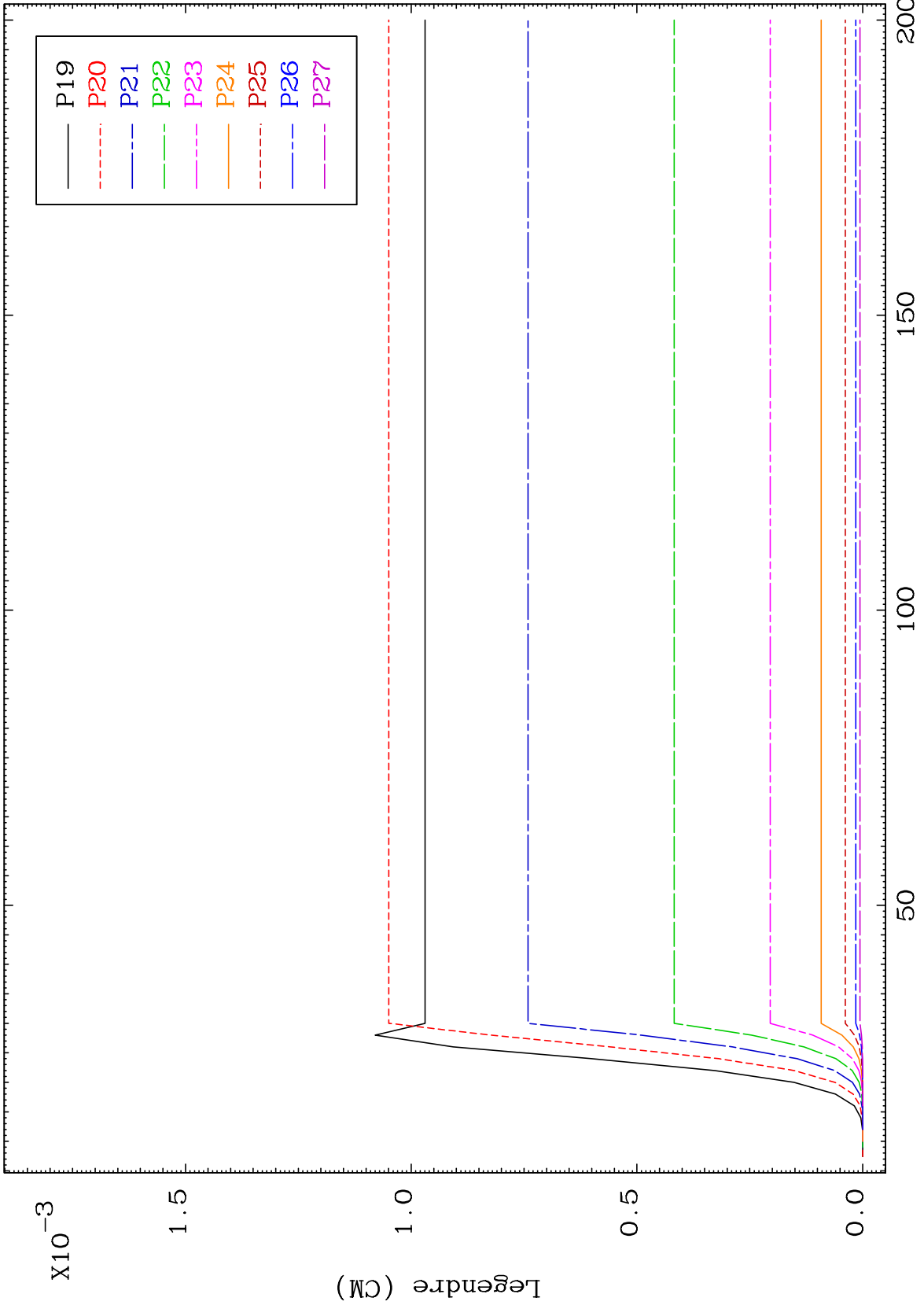
Incident Energy (MeV)

58-Ce-135

MAT 5822

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

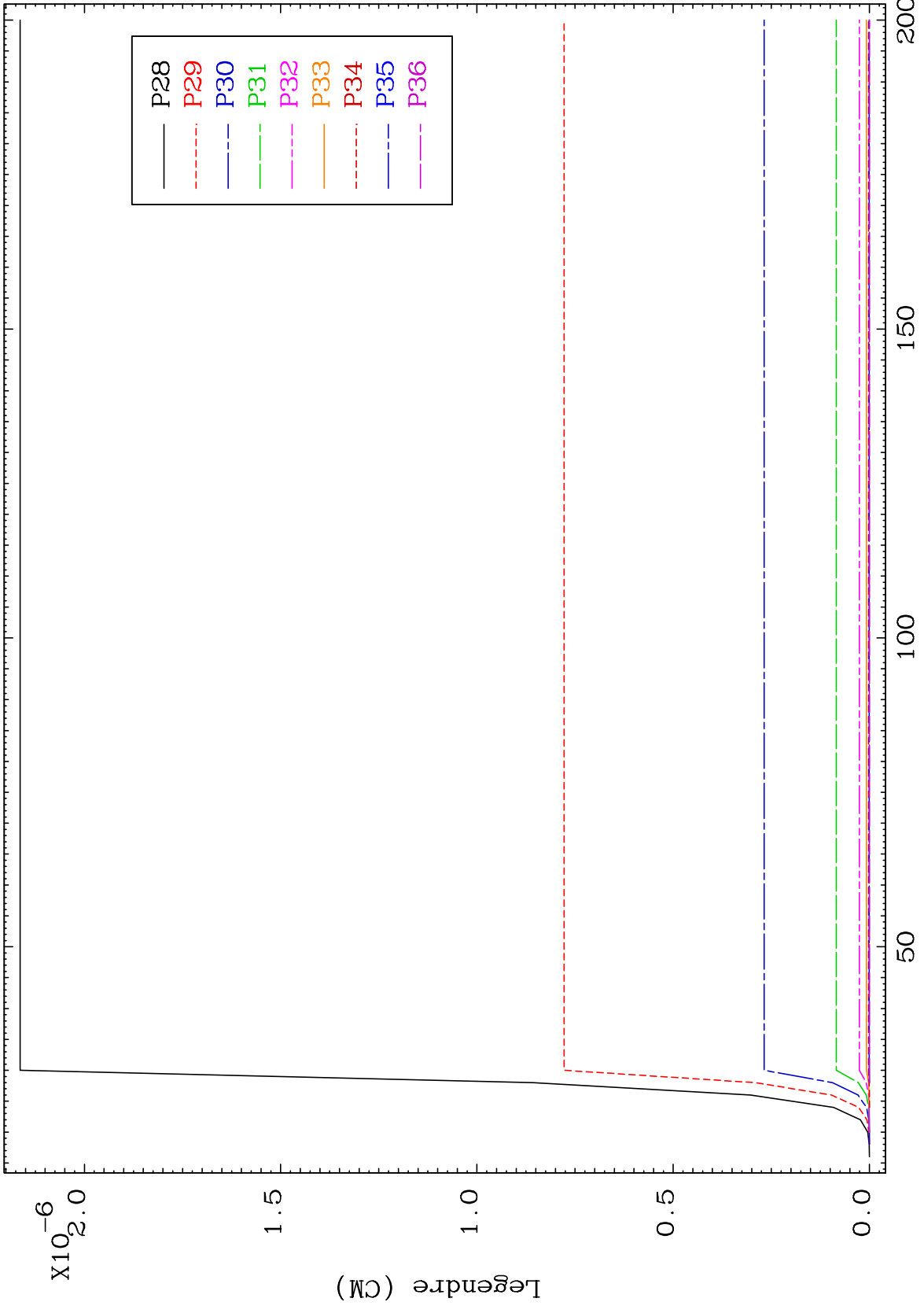
58-Ce-135



MAT 5822

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

58-Ce-135



90

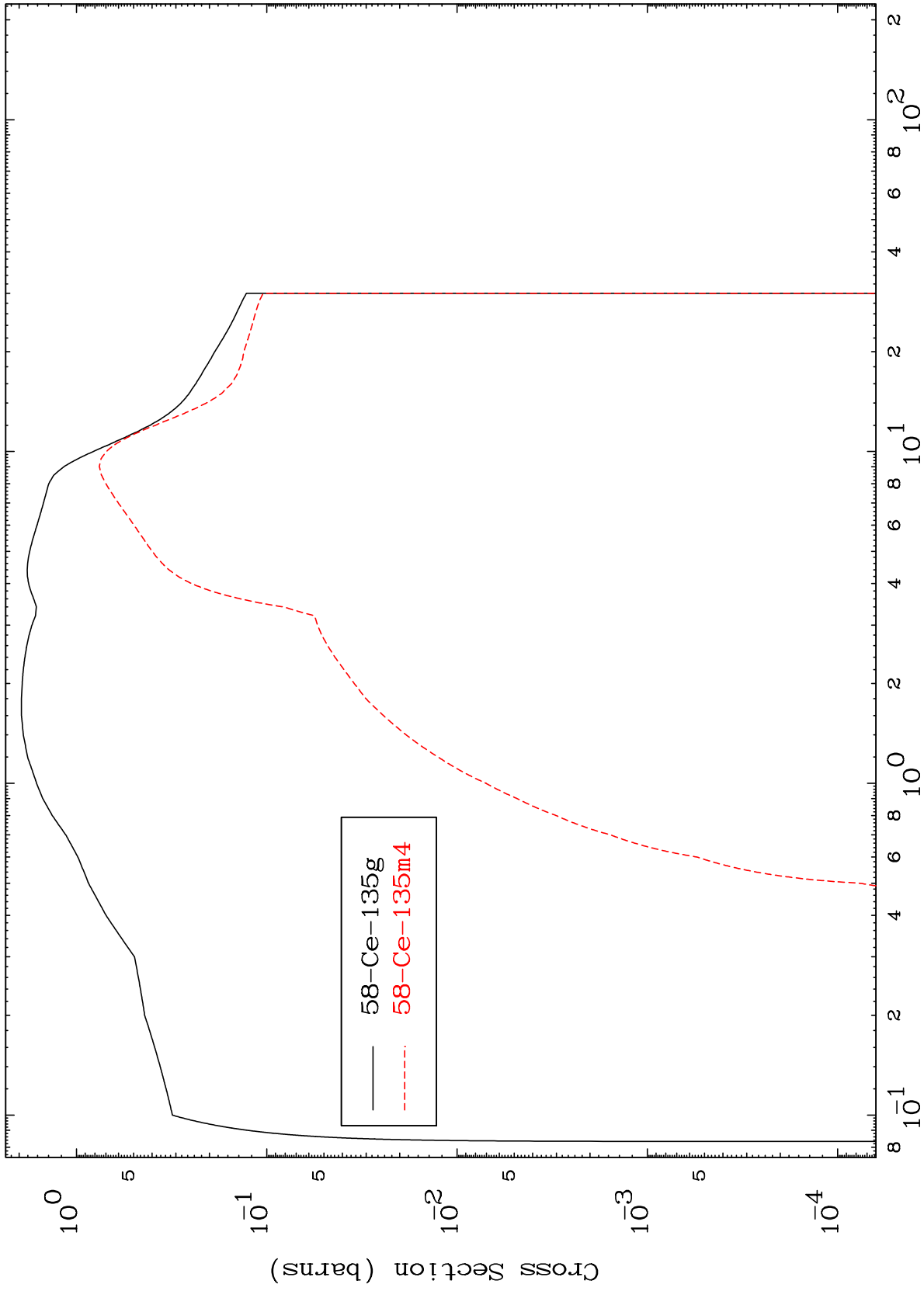
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

### Inelastic Radionuclide Production Cross Section



91

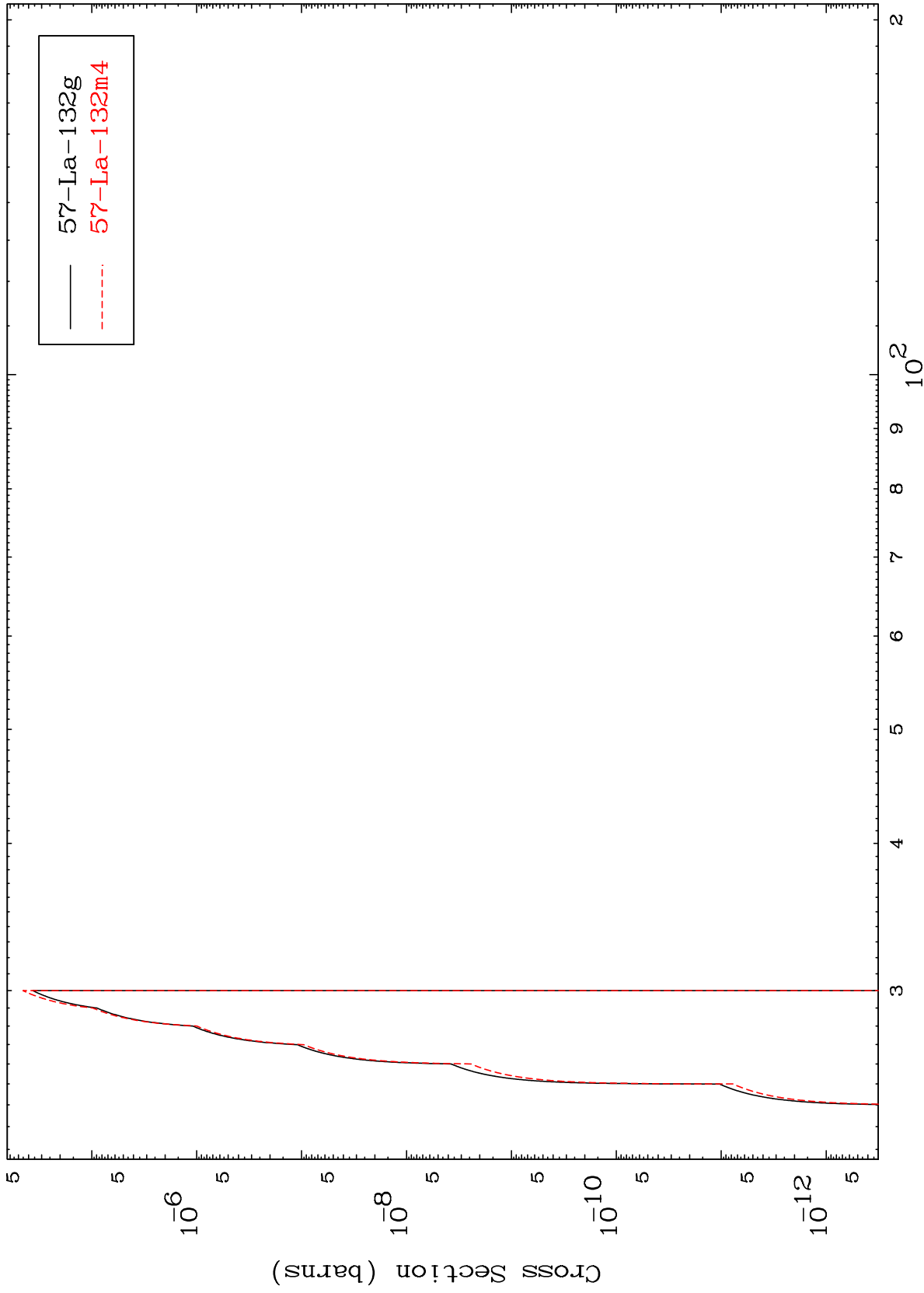
58-Ce-135

MAT 5822

(n,2n) d

58-Ce-135

Radionuclide Production Cross Section



92

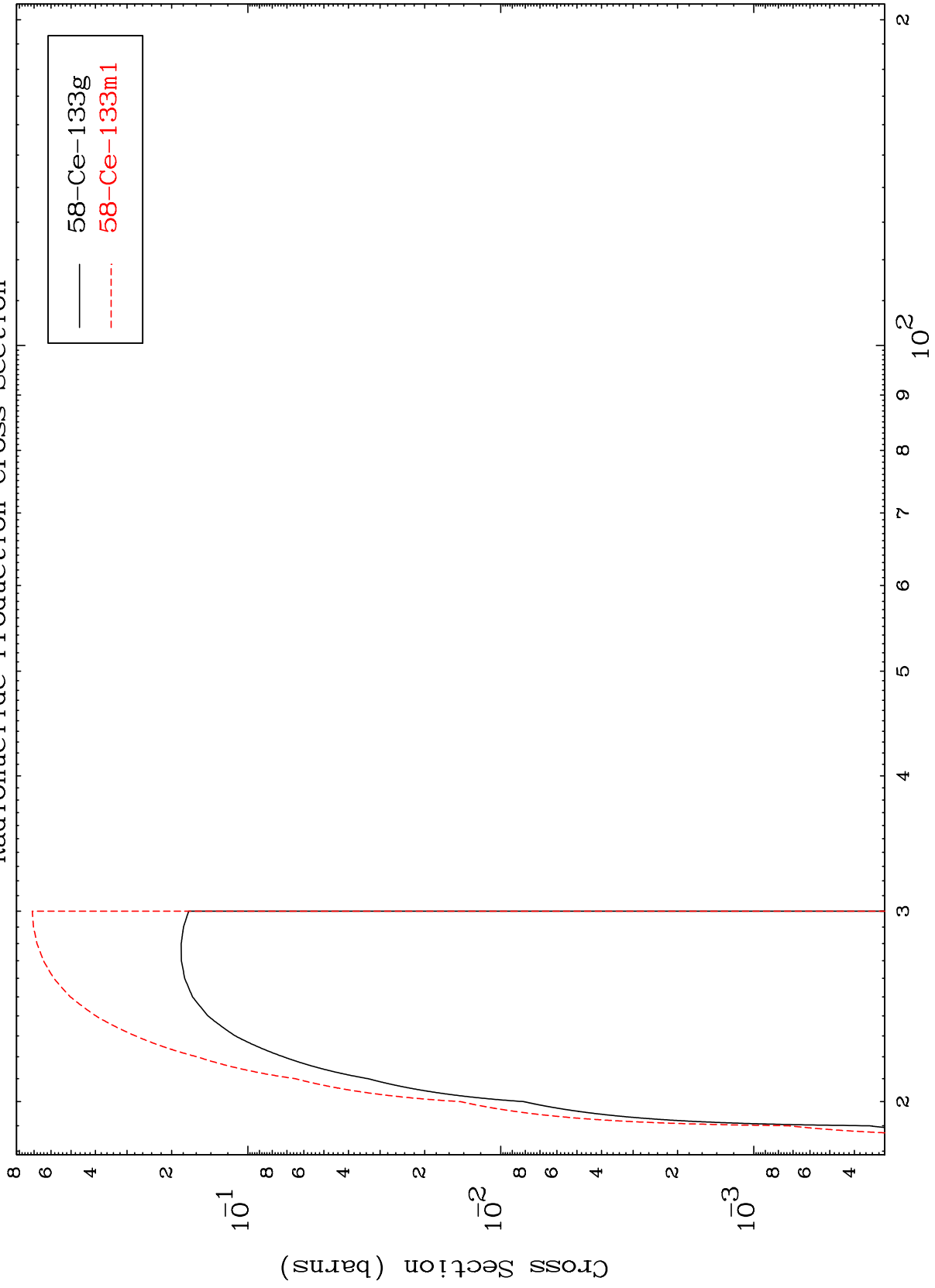
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

(n,3n)  
Radionuclide Production Cross Section



58-Ce-133g  
58-Ce-133m1

93

58-Ce-135

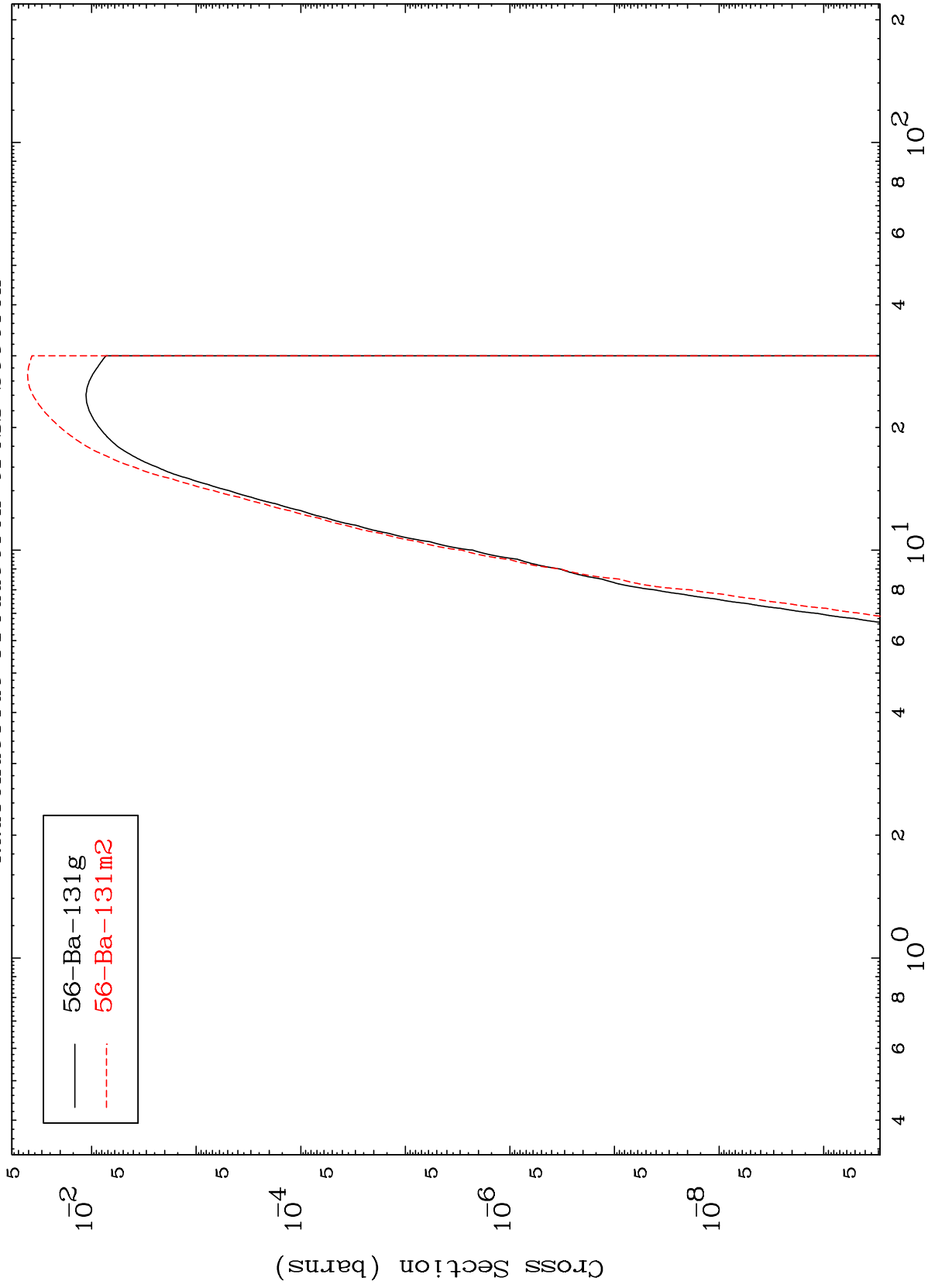
Incident Energy (MeV)

MAT 5822

(n,n')  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



94

Incident Energy (MeV)

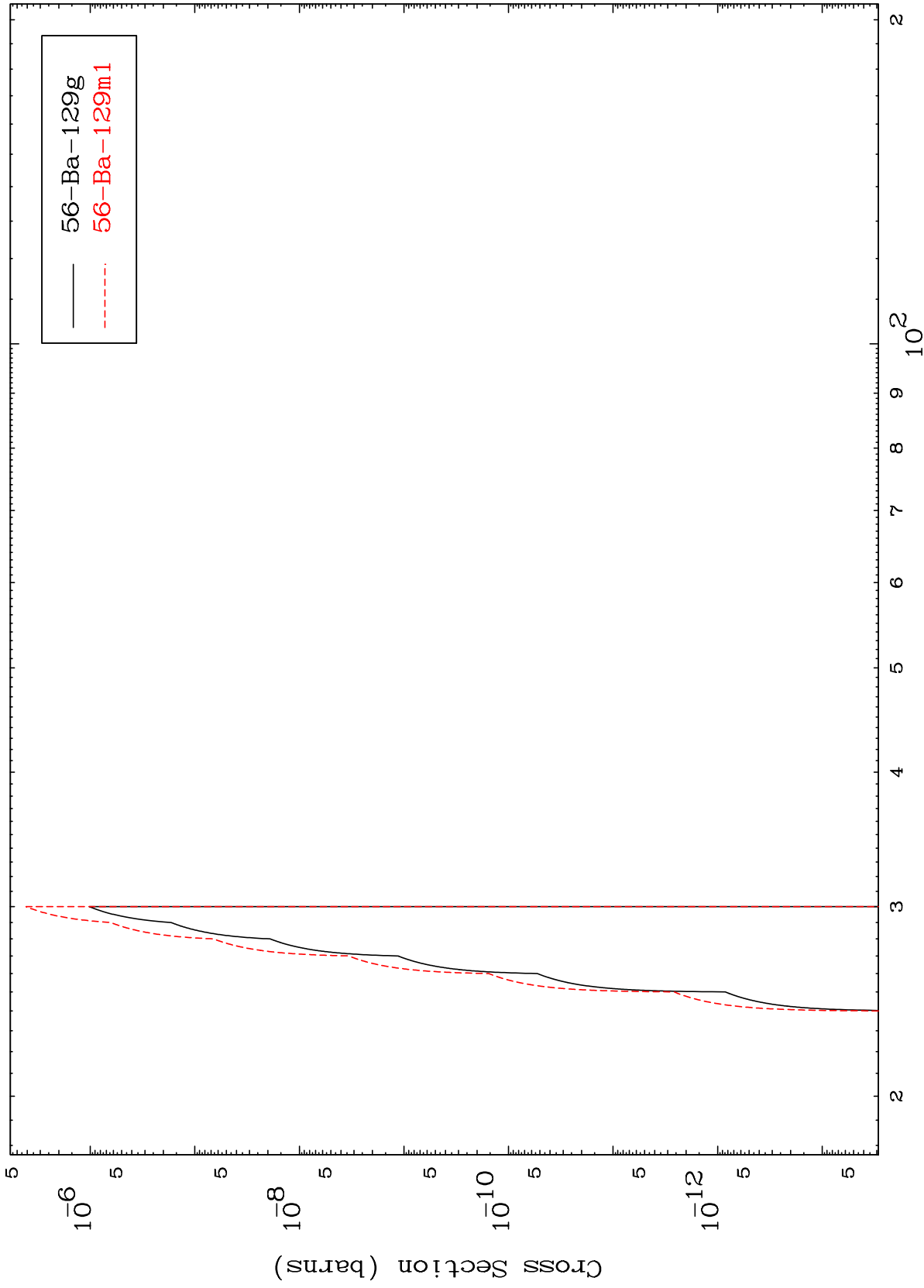
58-Ce-135

MAT 5822

(n,3n)  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



95

Incident Energy (MeV)

58-Ce-135

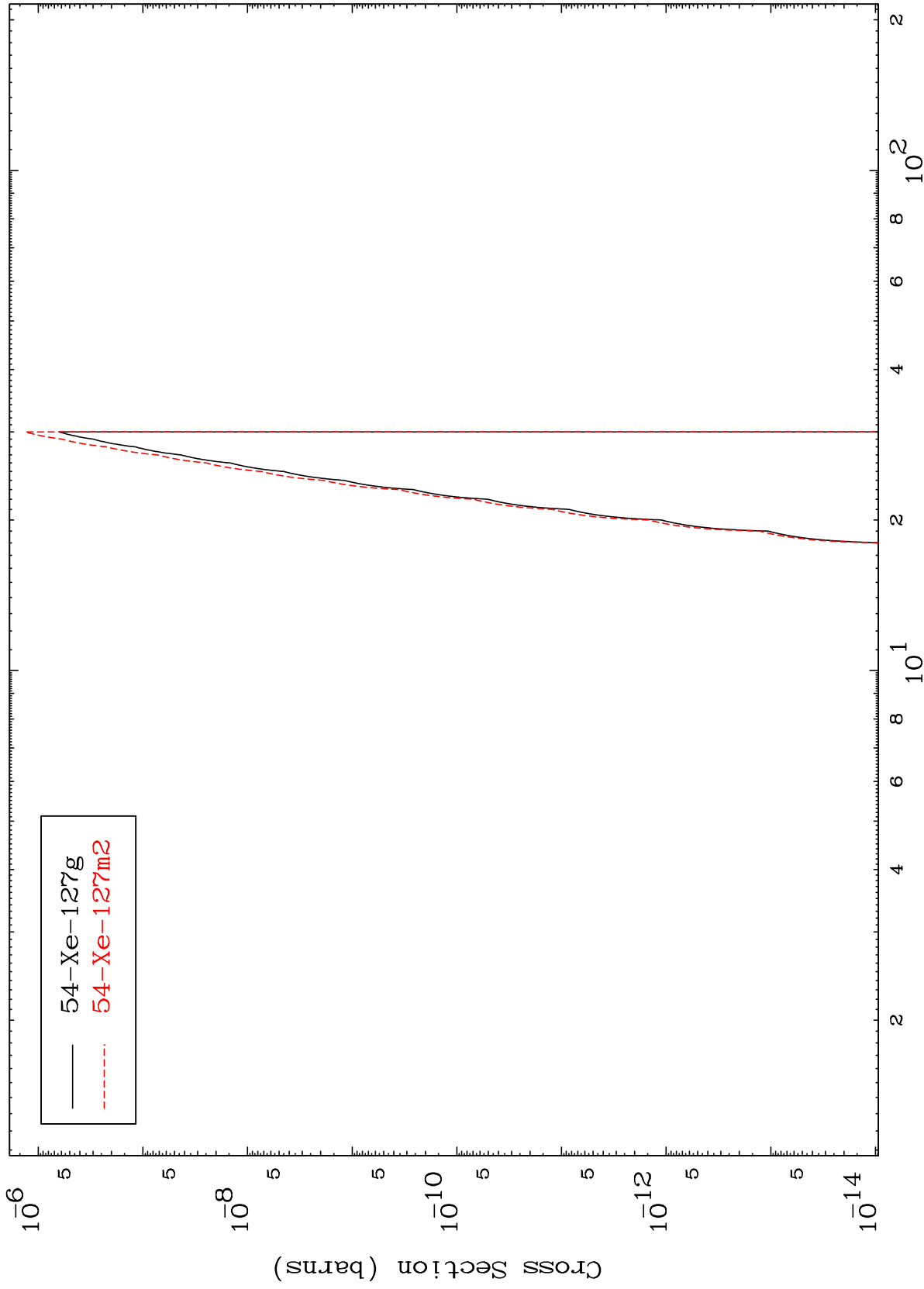


MAT 5822

(n,n') 2 $\alpha$

58-Ce-135

Radionuclide Production Cross Section



96

Incident Energy (MeV)

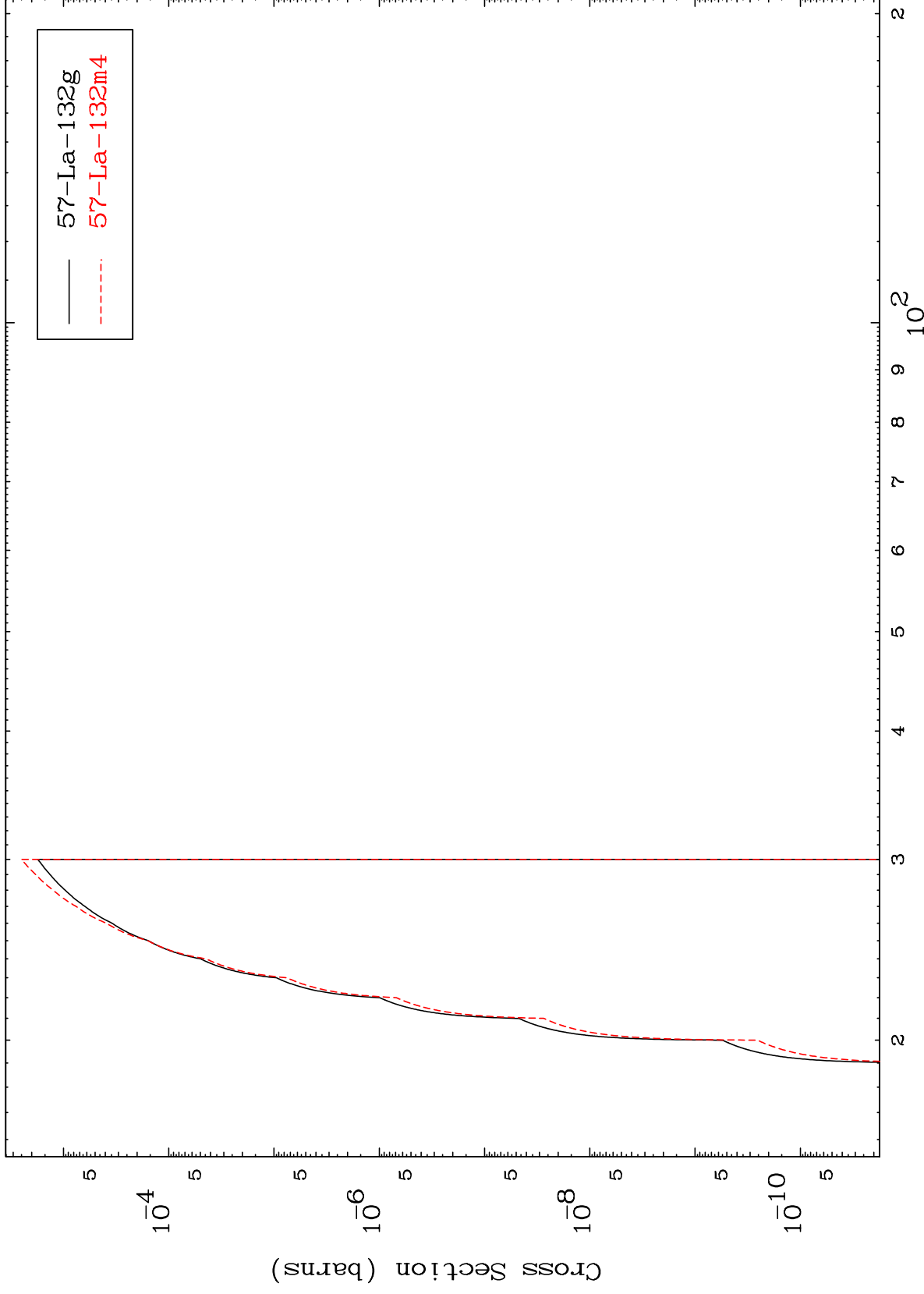
58-Ce-135

MAT 5822

(n,n') t

58-Ce-135

Radionuclide Production Cross Section



97

Incident Energy (MeV)

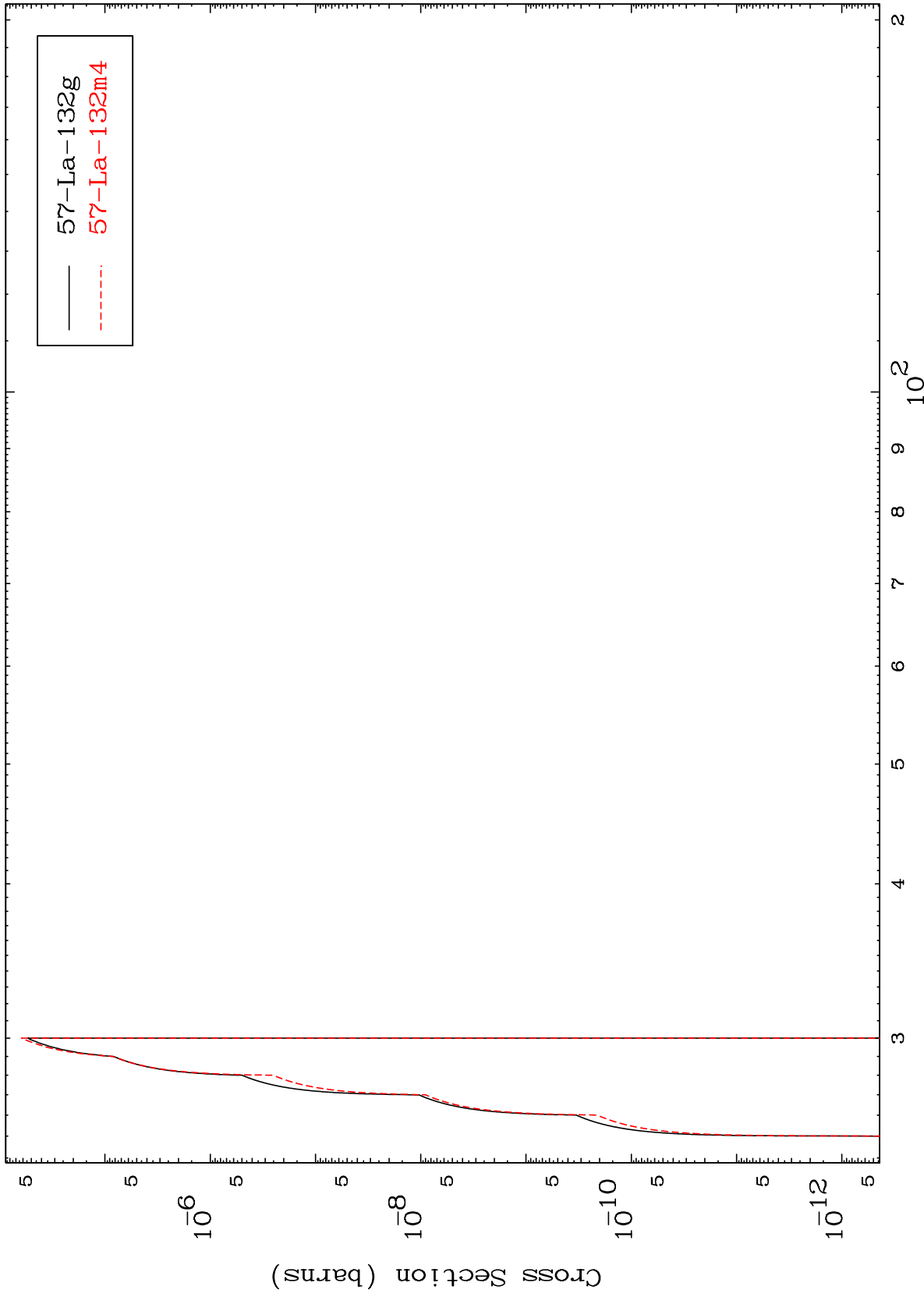
58-Ce-135

MAT 5822

(n,3n) p

58-Ce-135

Radionuclide Production Cross Section



98

Incident Energy (MeV)

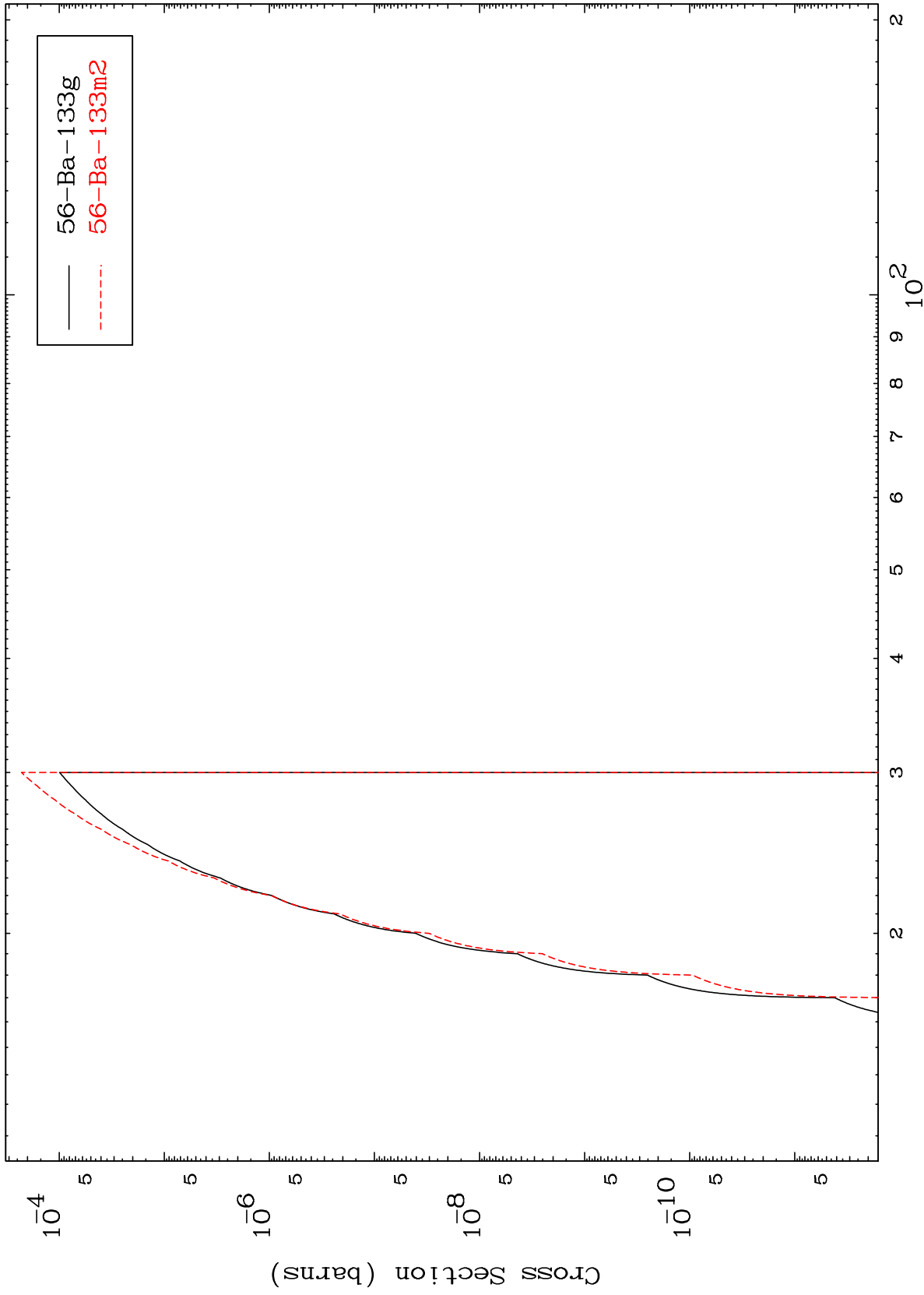
58-Ce-135

MAT 5822

(n,2n) p

58-Ce-135

Radionuclide Production Cross Section



99

Incident Energy (MeV)

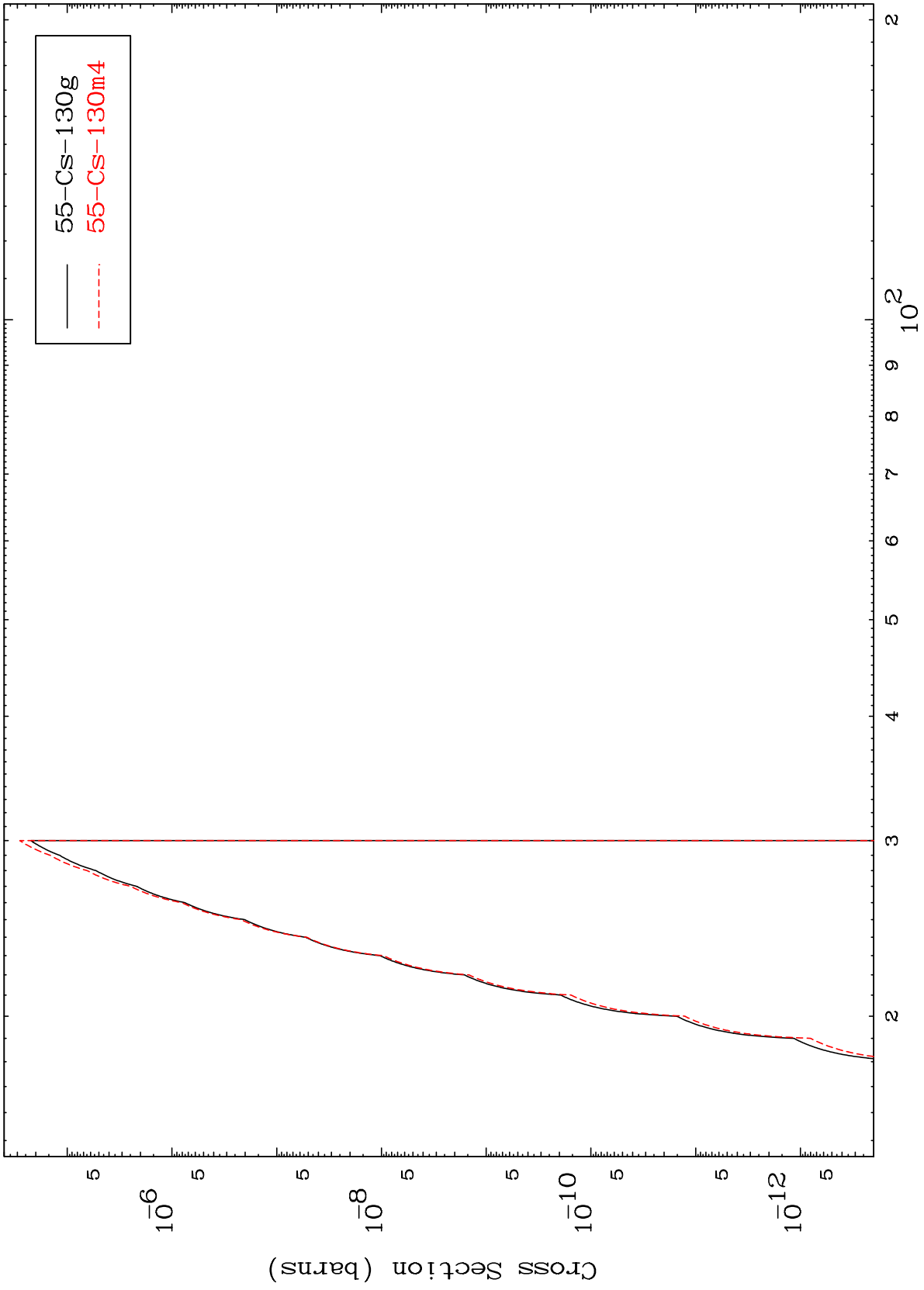
58-Ce-135

MAT 5822

(n,n') p  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



100

Incident Energy (MeV)

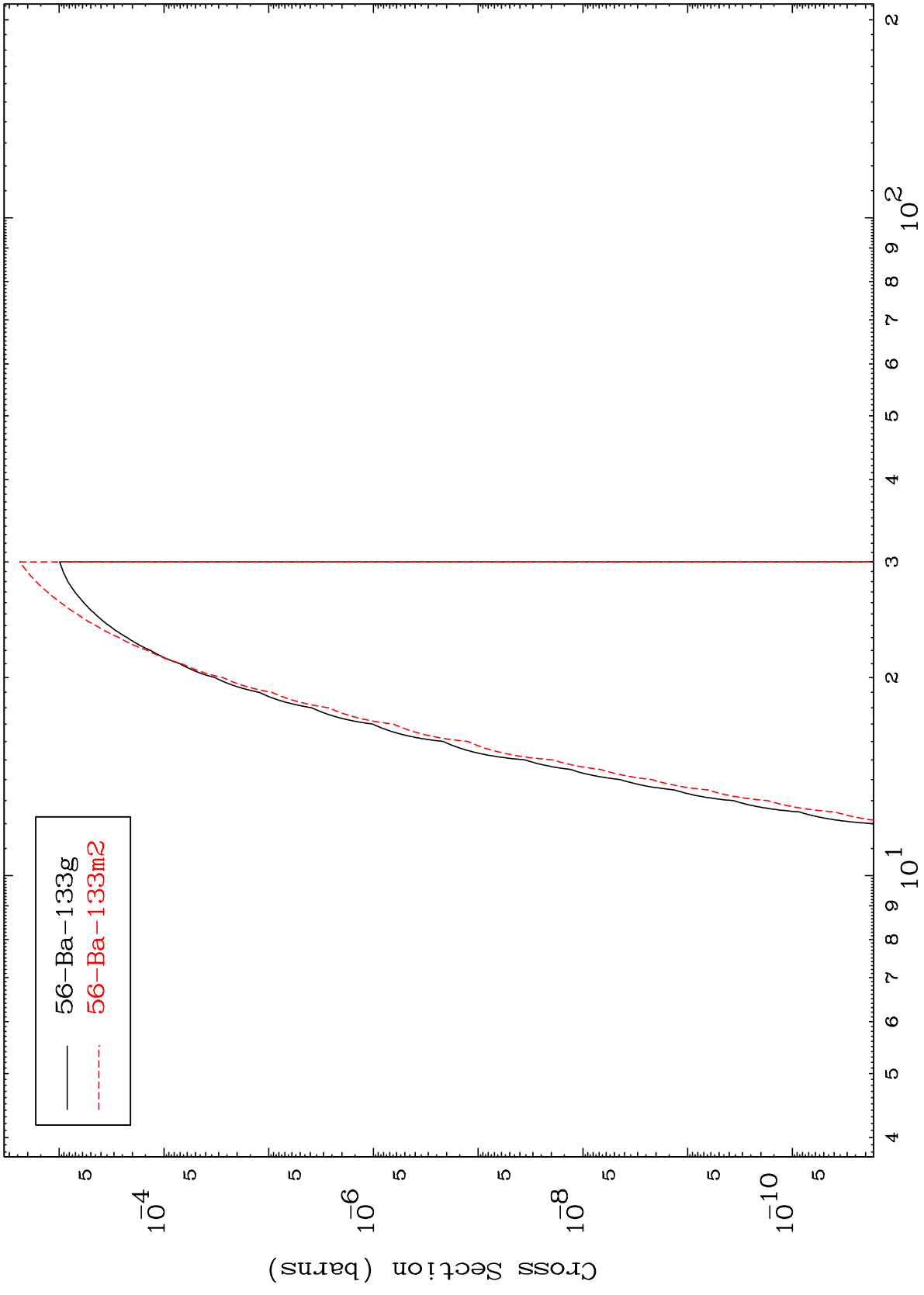
58-Ce-135

MAT 5822

(n, He-3)

58-Ce-135

Radionuclide Production Cross Section



101

Incident Energy (MeV)

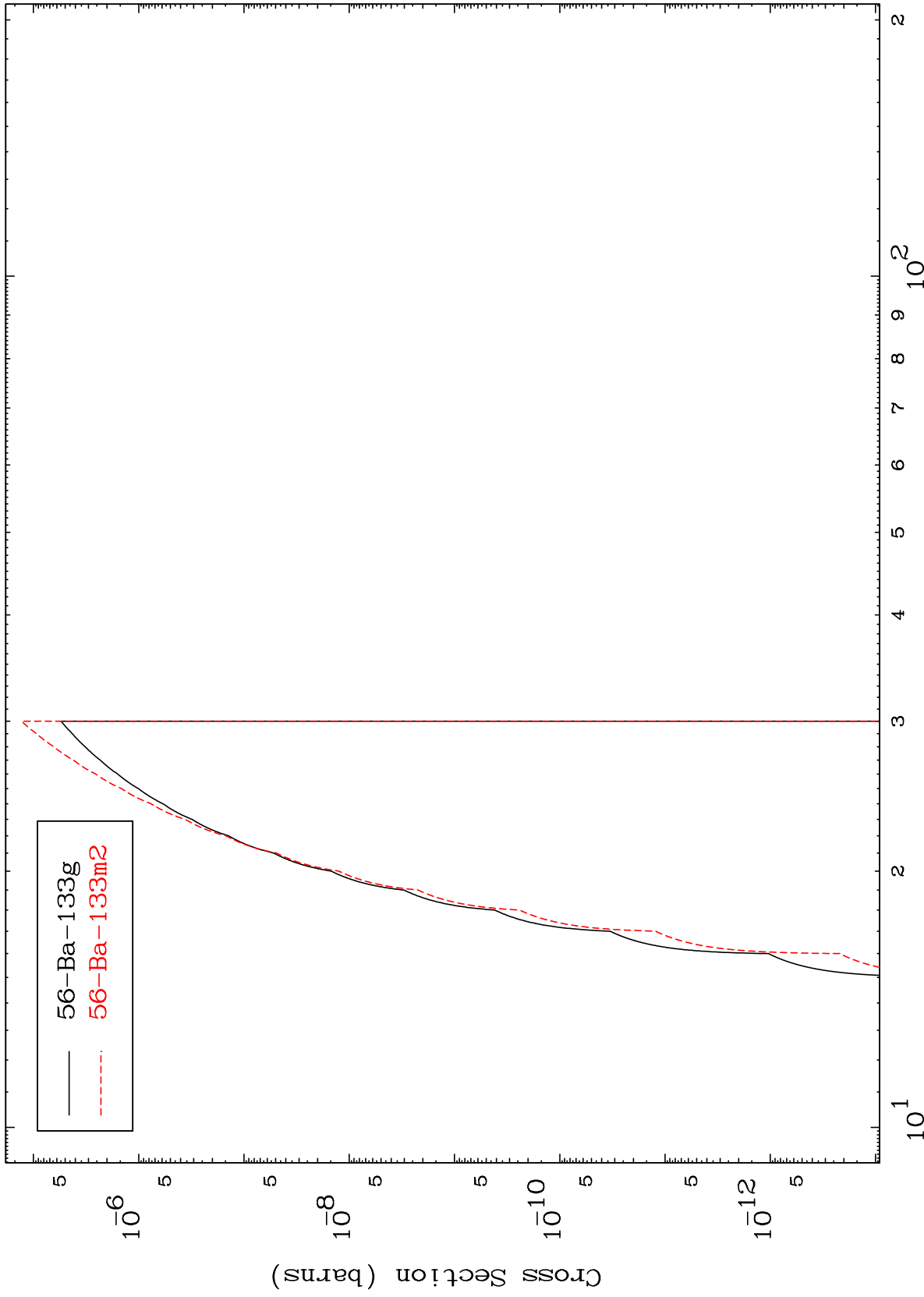
58-Ce-135

MAT 5822

(n,p) d

58-Ce-135

Radionuclide Production Cross Section



10<sup>1</sup>

Incident Energy (MeV)

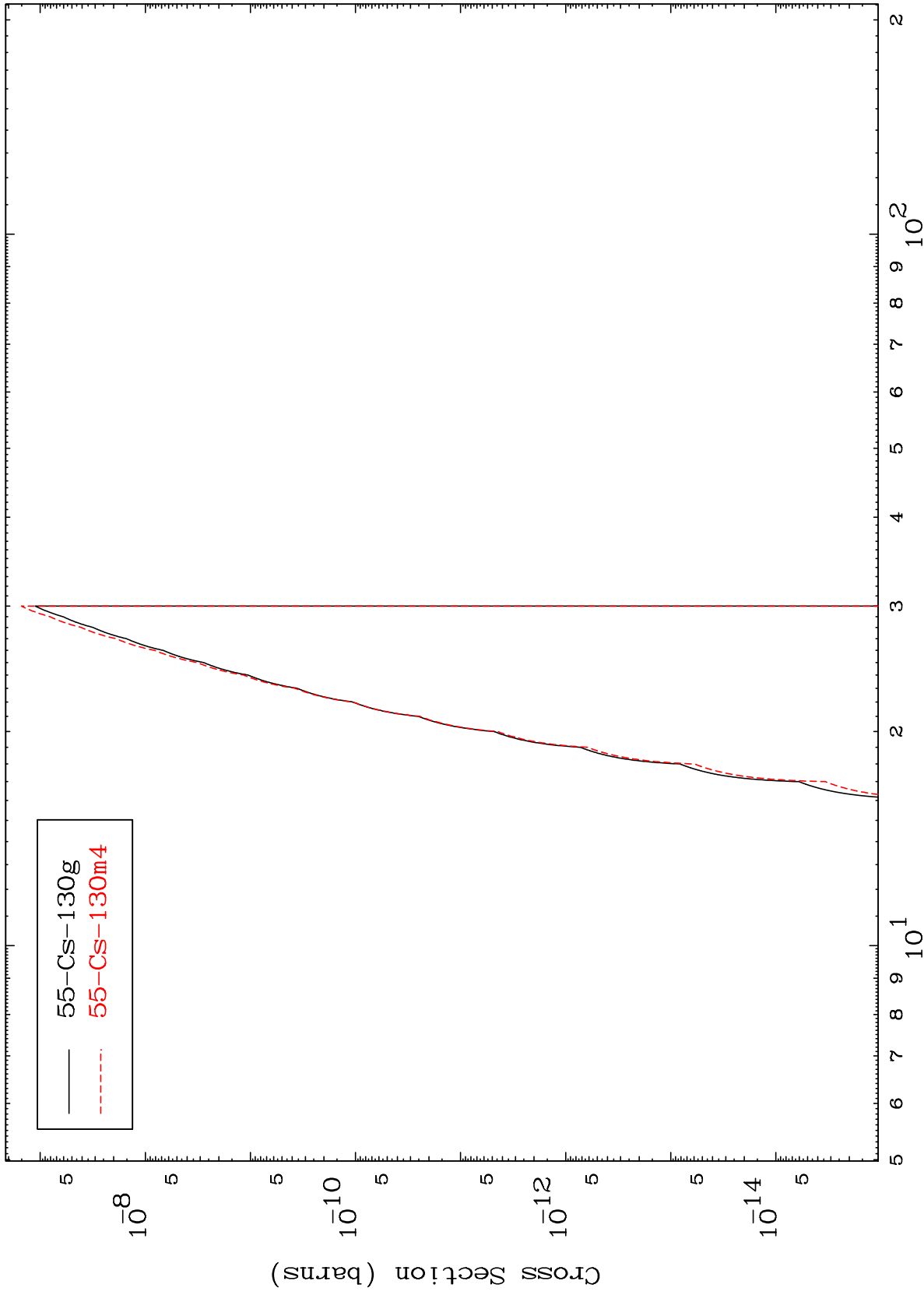
58-Ce-135

MAT 5822

(n,d)  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



103

Incident Energy (MeV)

58-Ce-135