

Program EVALPLOT  
(Version 2021-1)

by

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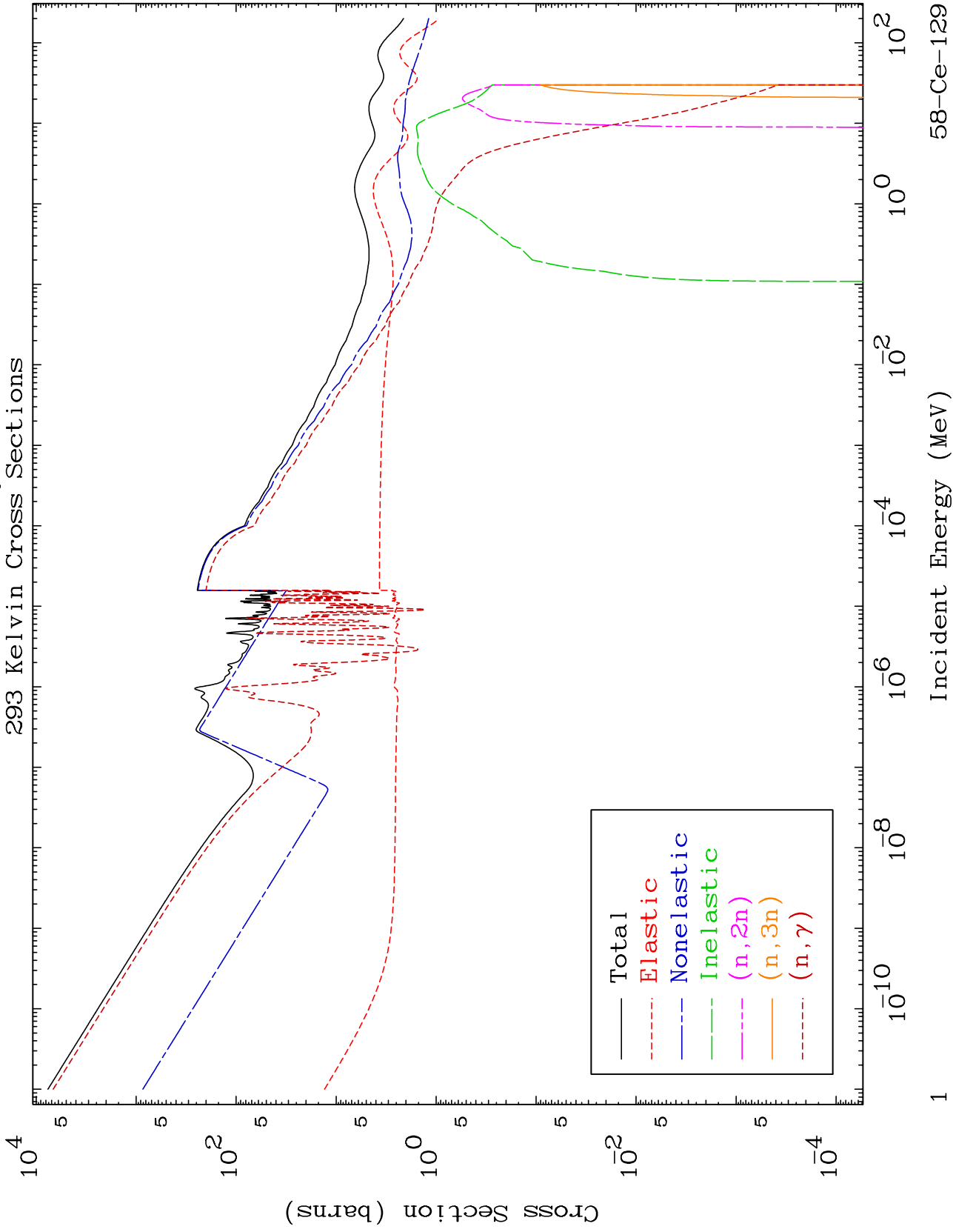
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Press Mouse Button to Start

MAT 5804

Neutron Major  
293 Kelvin Cross Sections

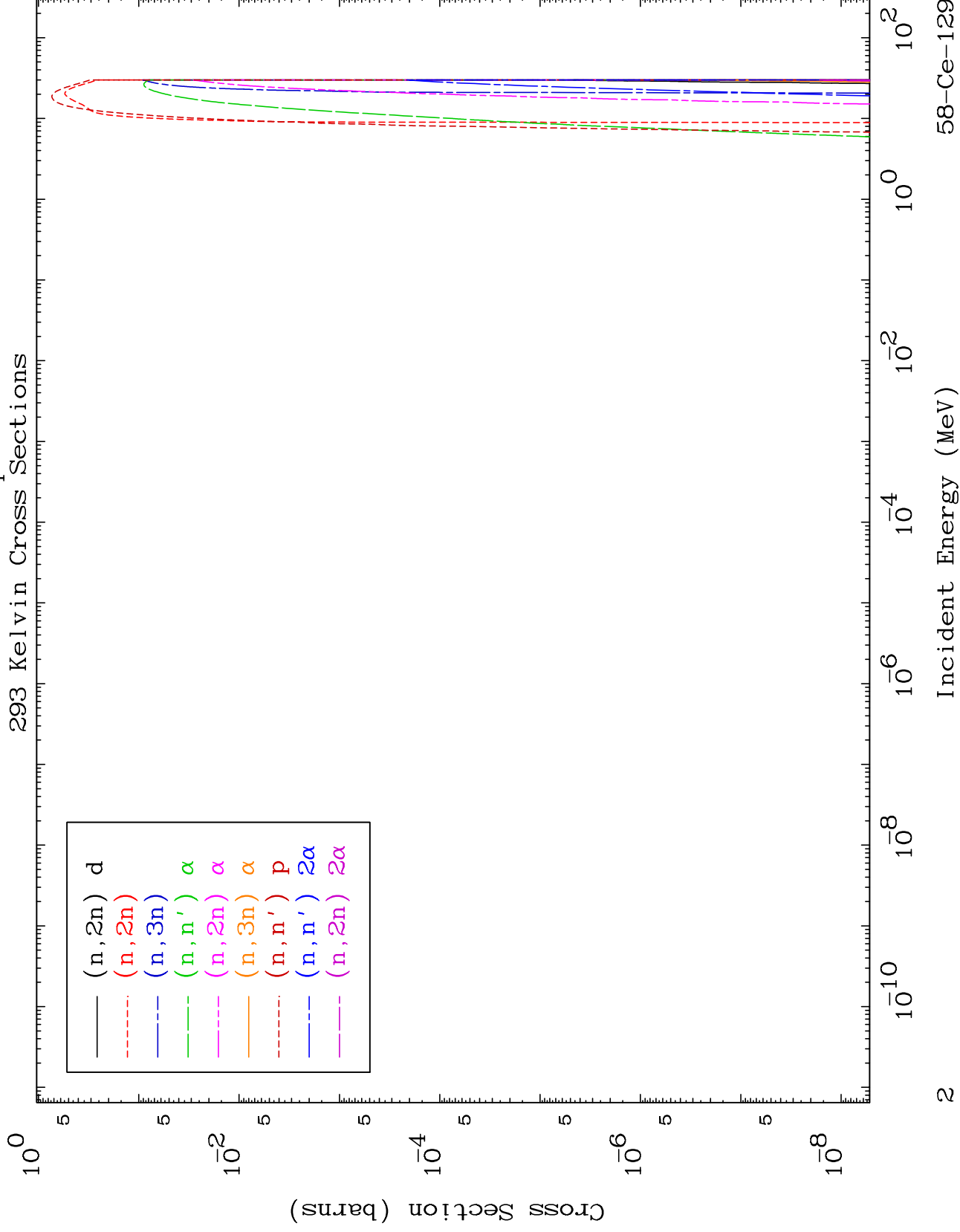
58-Ce-129



MAT 5804

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-129



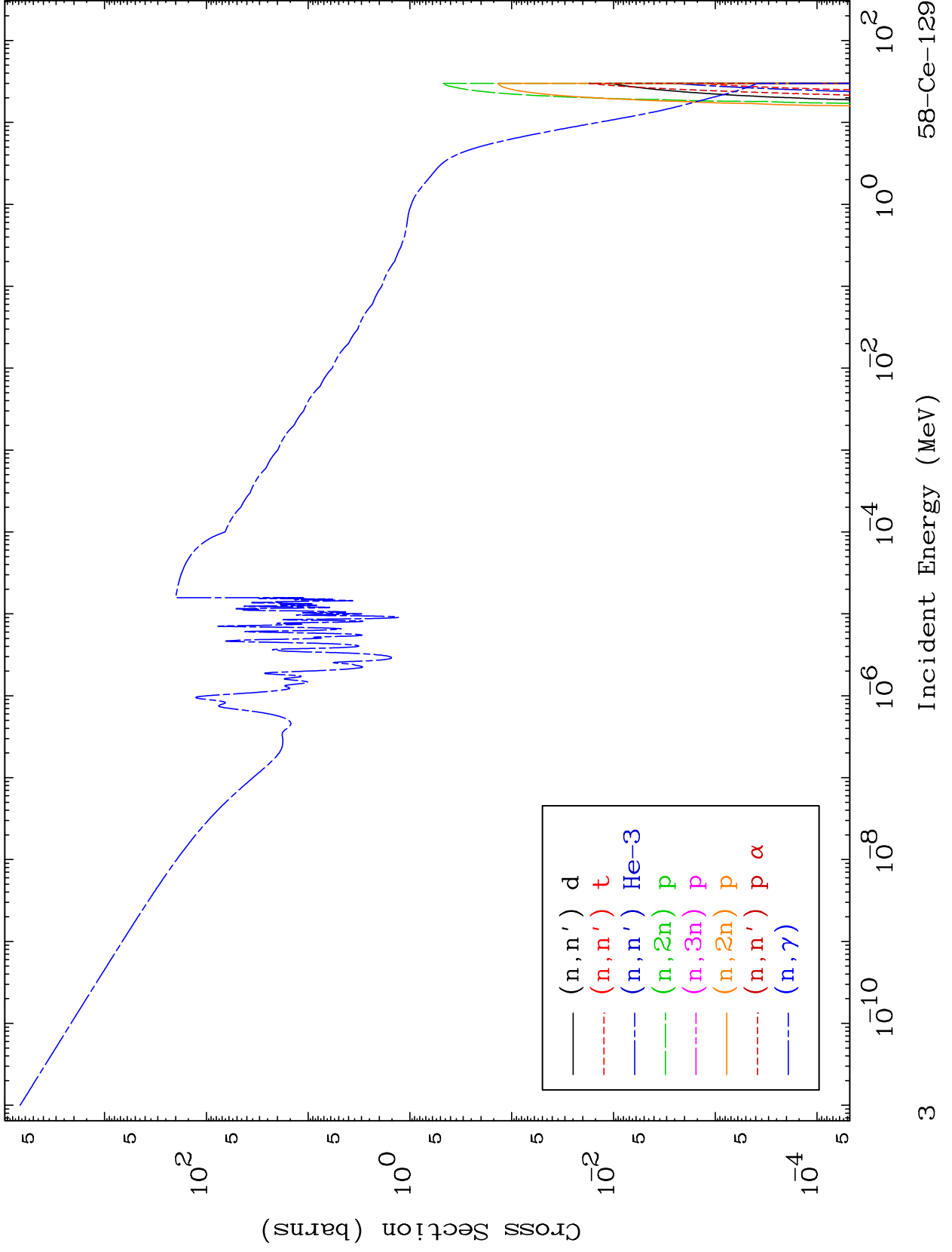
58-Ce-129

Incident Energy (MeV)

MAT 5804

Neutron Absorption  
293 Kelvin Cross Sections

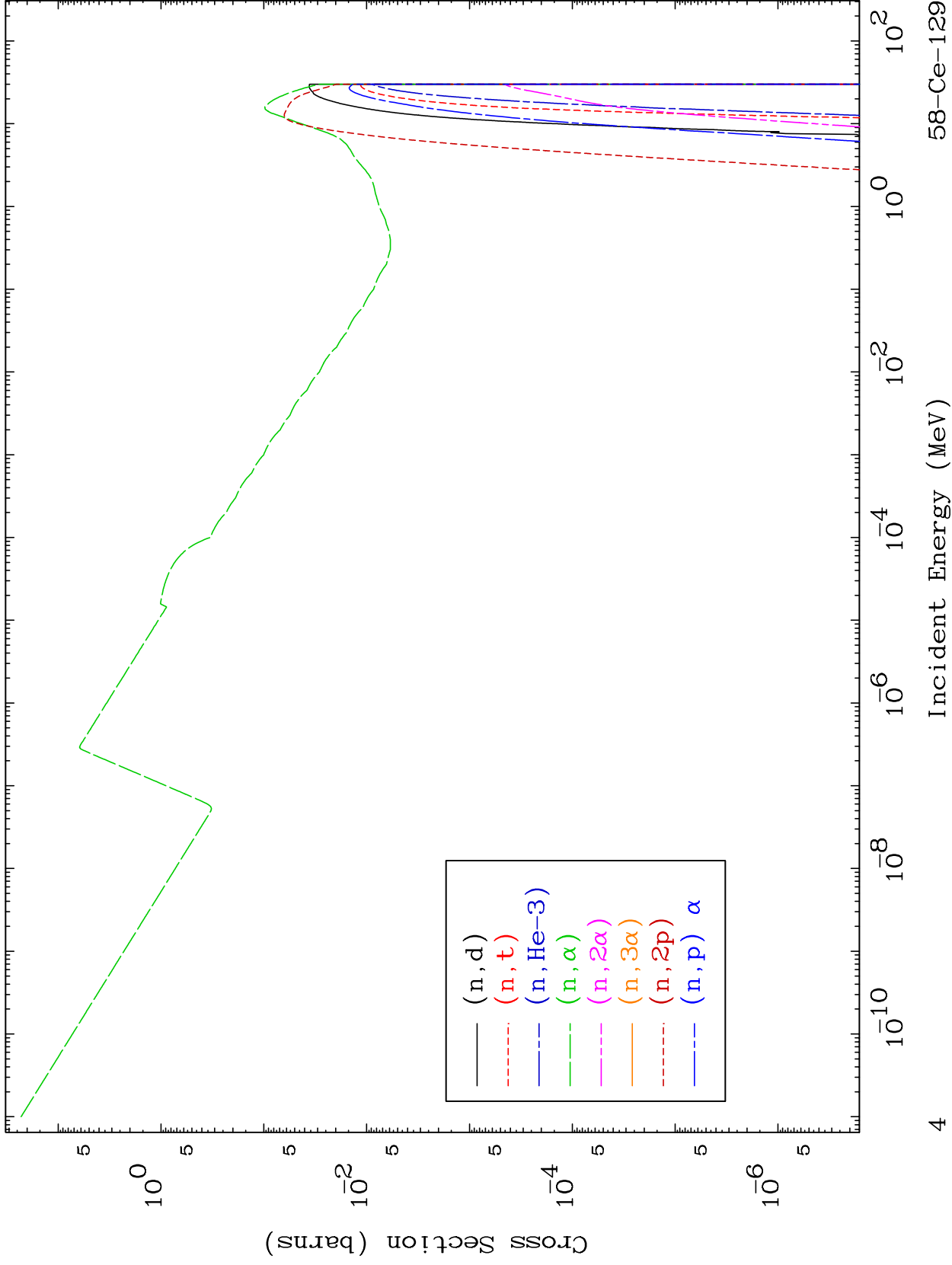
58-Ce-129

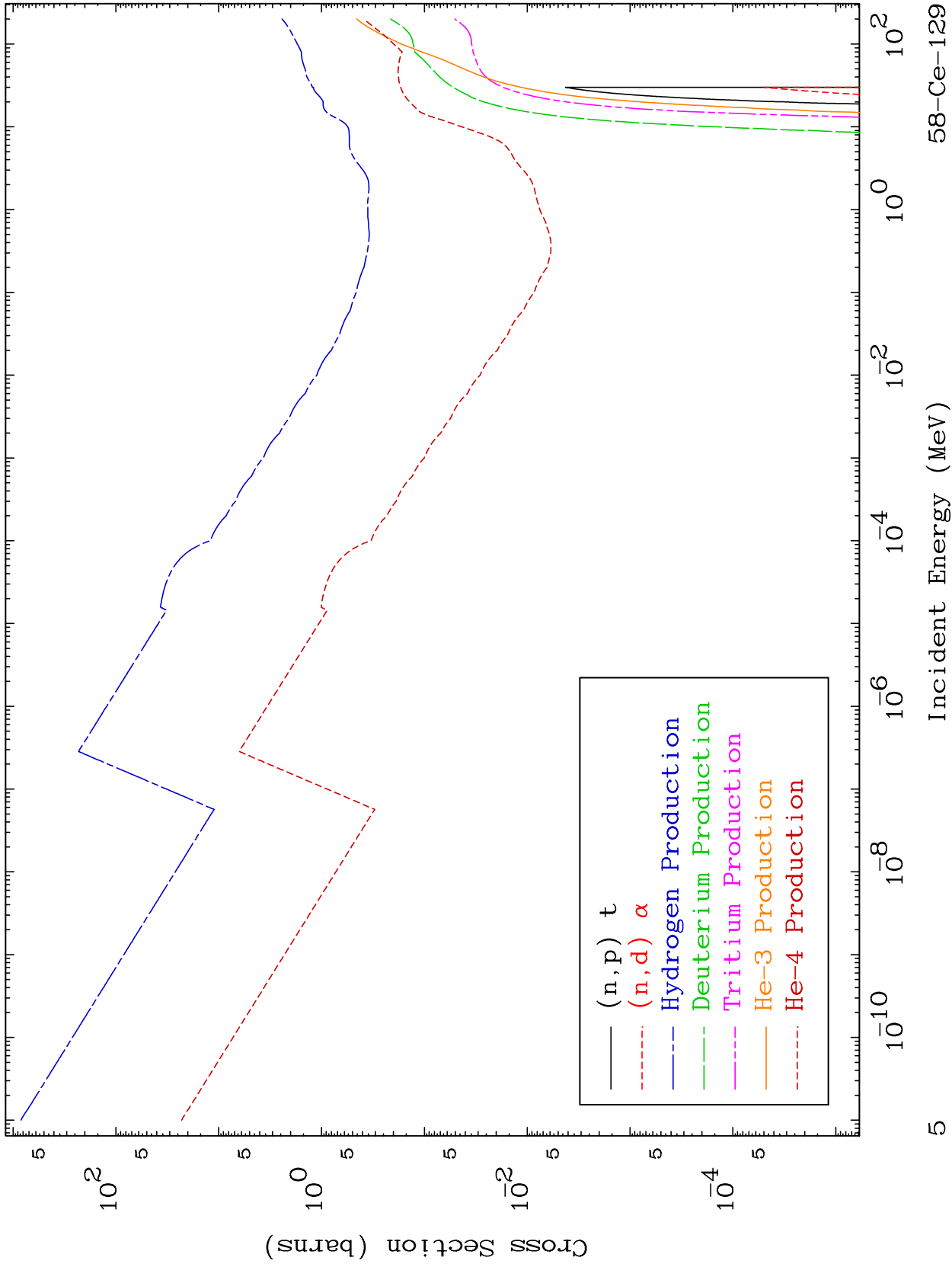


MAT 5804

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-129

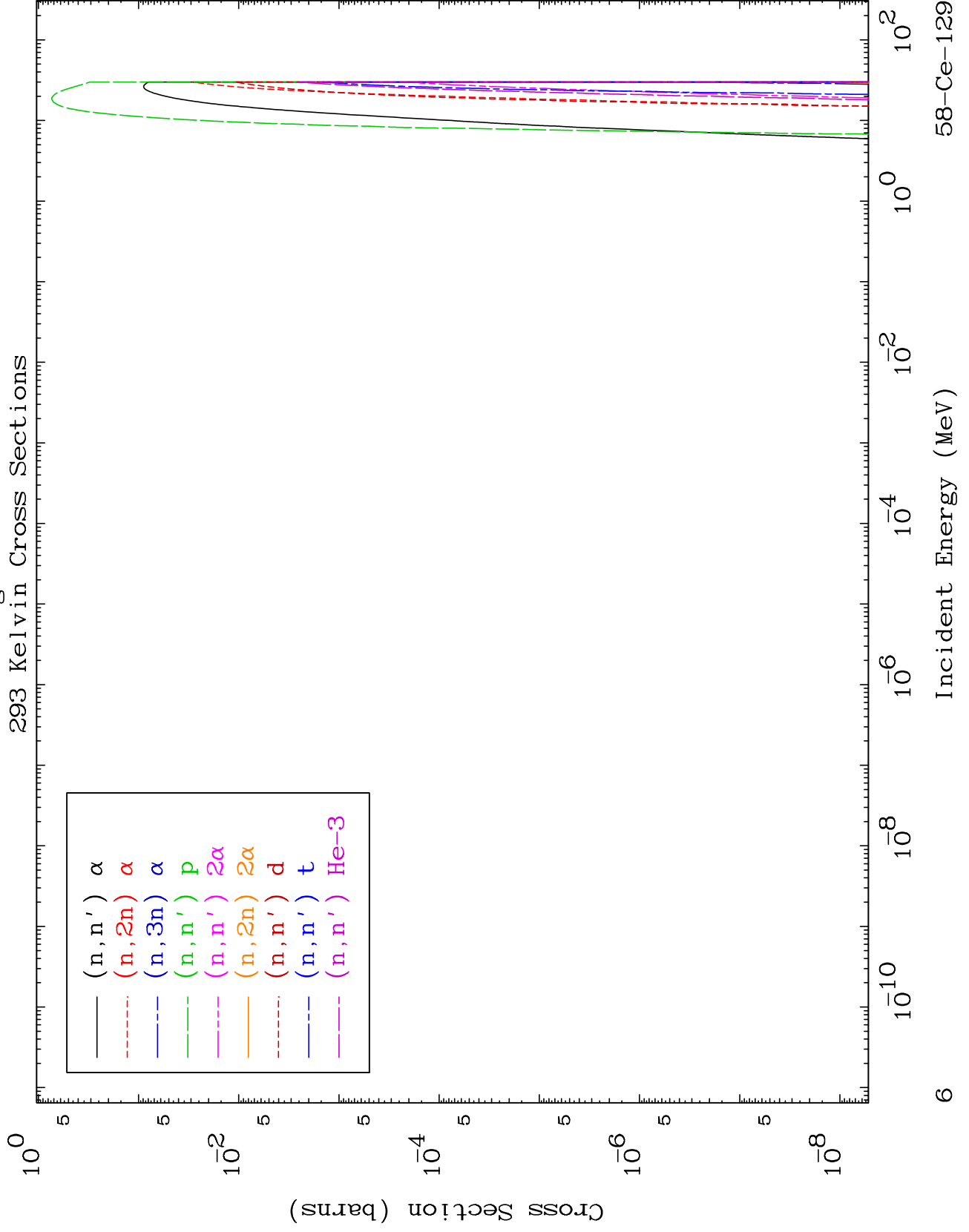




MAT 5804

Charged Particle  
293 Kelvin Cross Sections

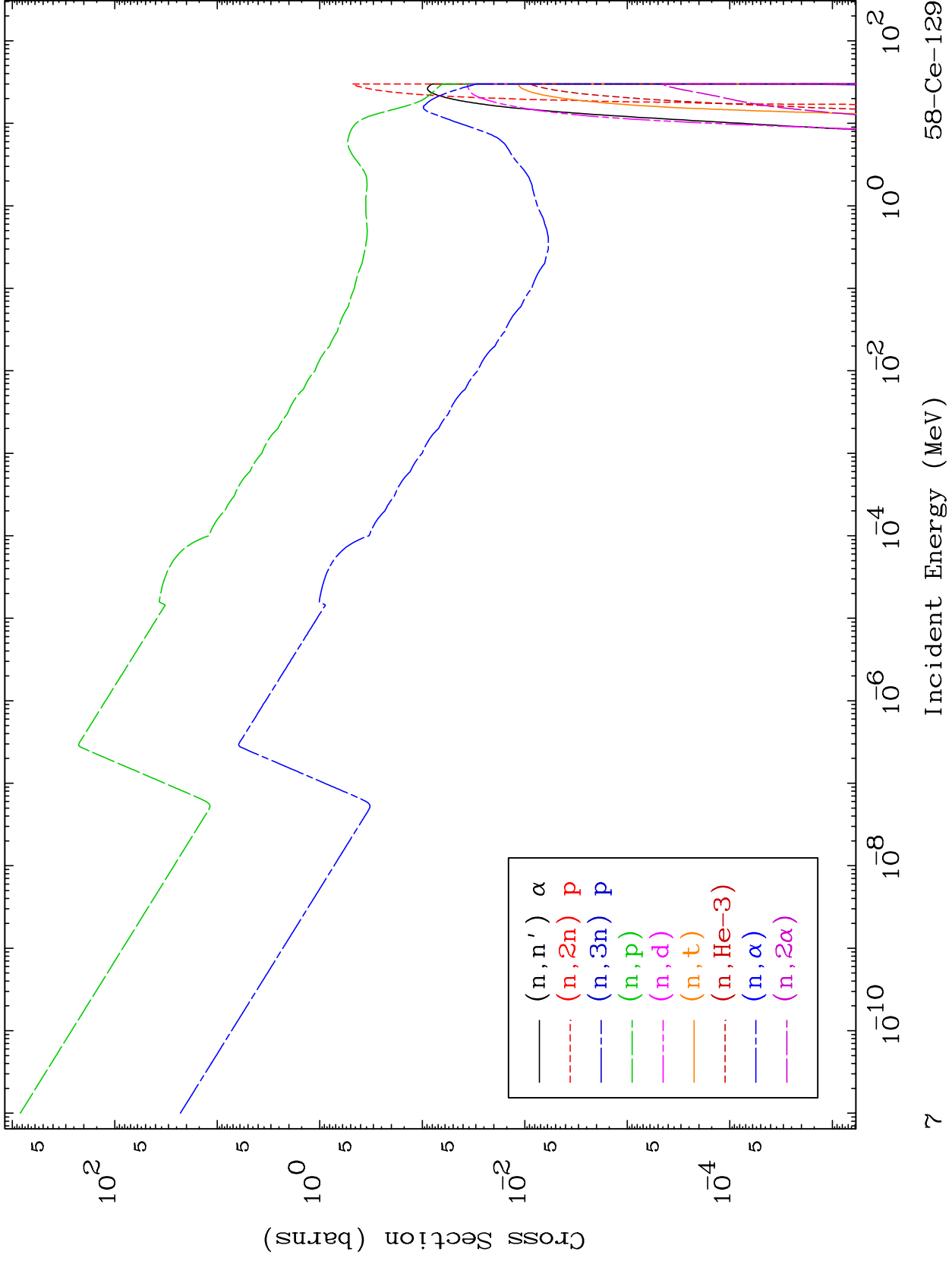
58-Ce-129



MAT 5804

Charged Particle  
293 Kelvin Cross Sections

58-Ce-129

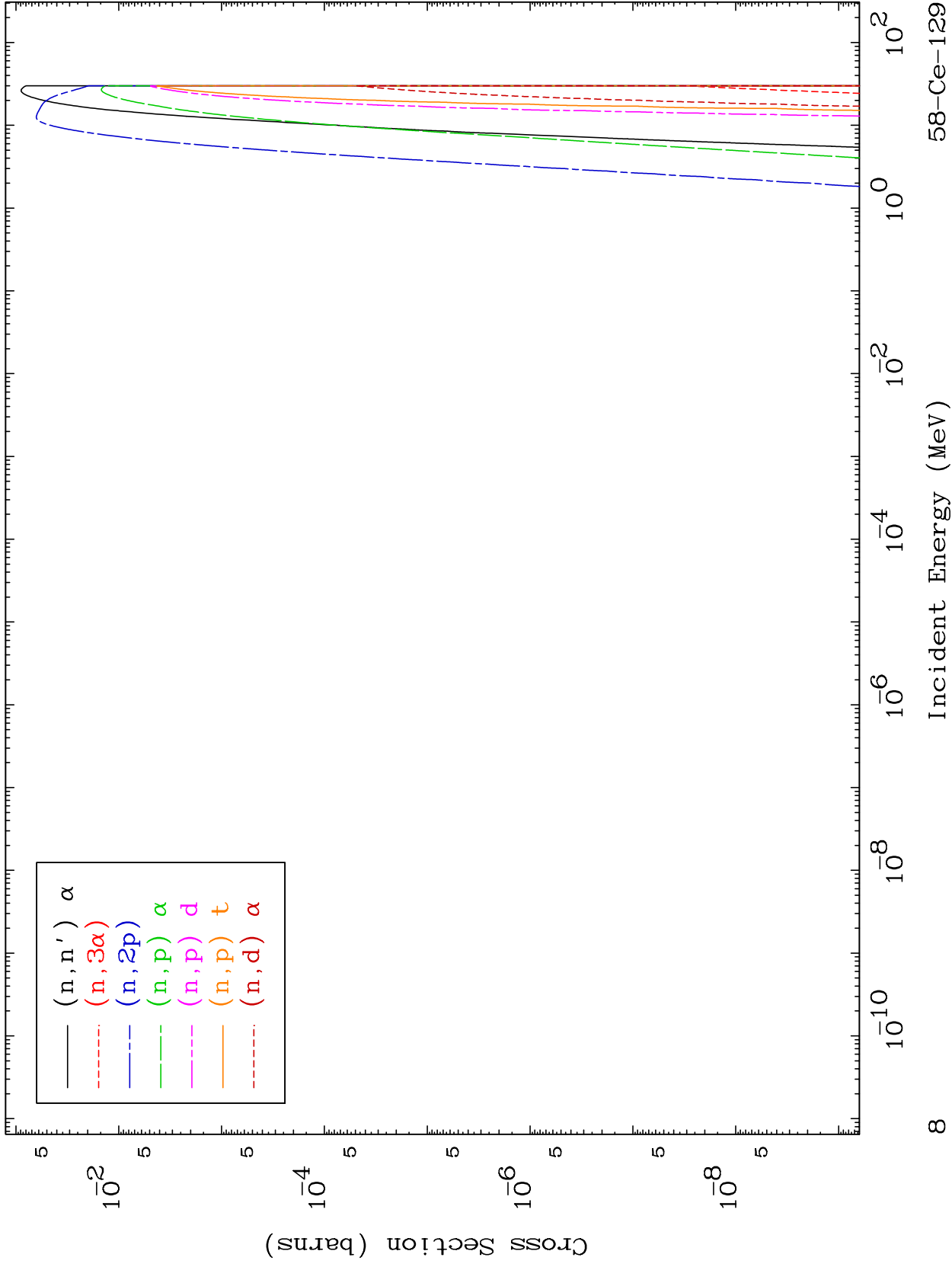




MAT 5804

Charged Particle  
293 Kelvin Cross Sections

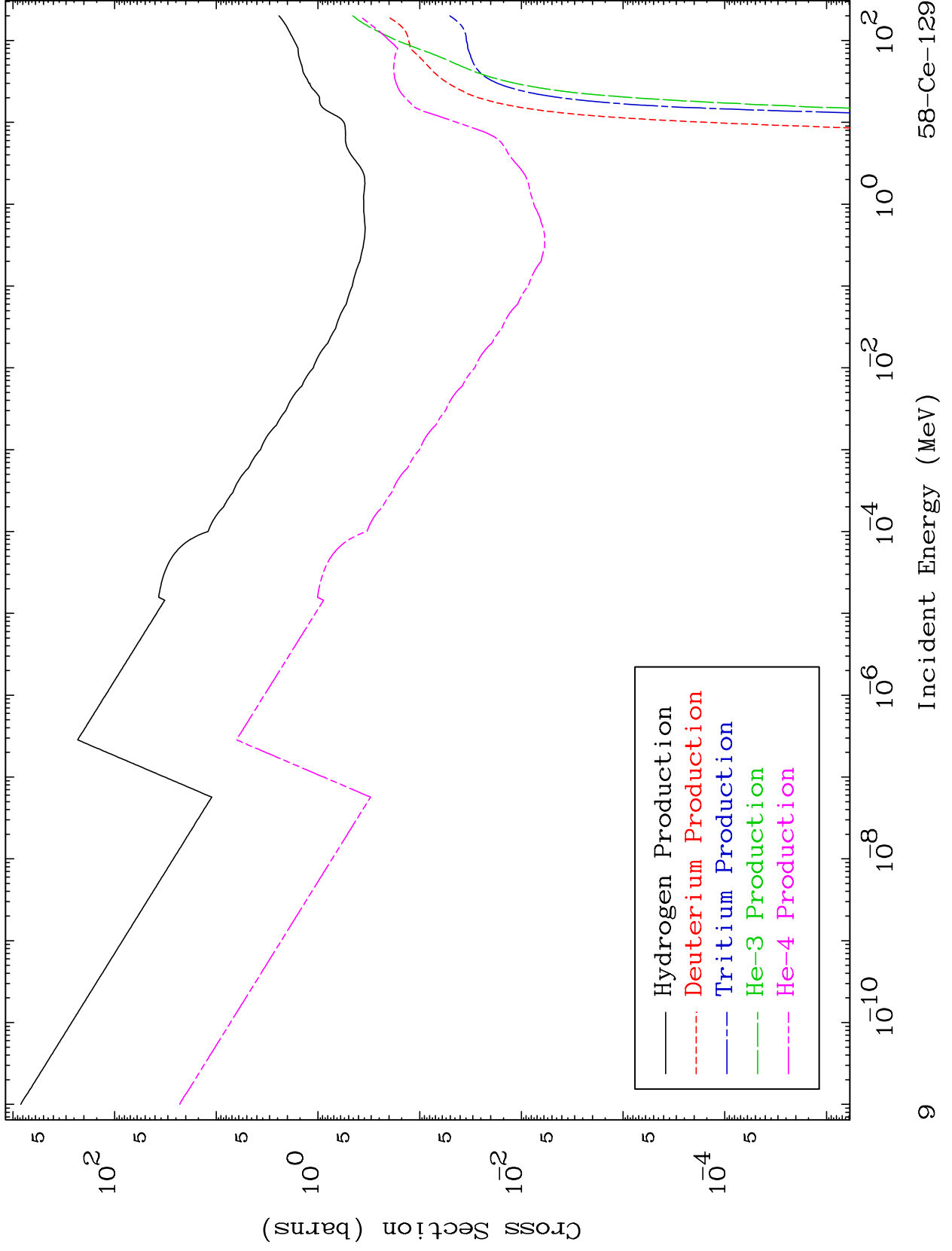
58-Ce-129



MAT 5804

Particle Production  
293 Kelvin Cross Sections

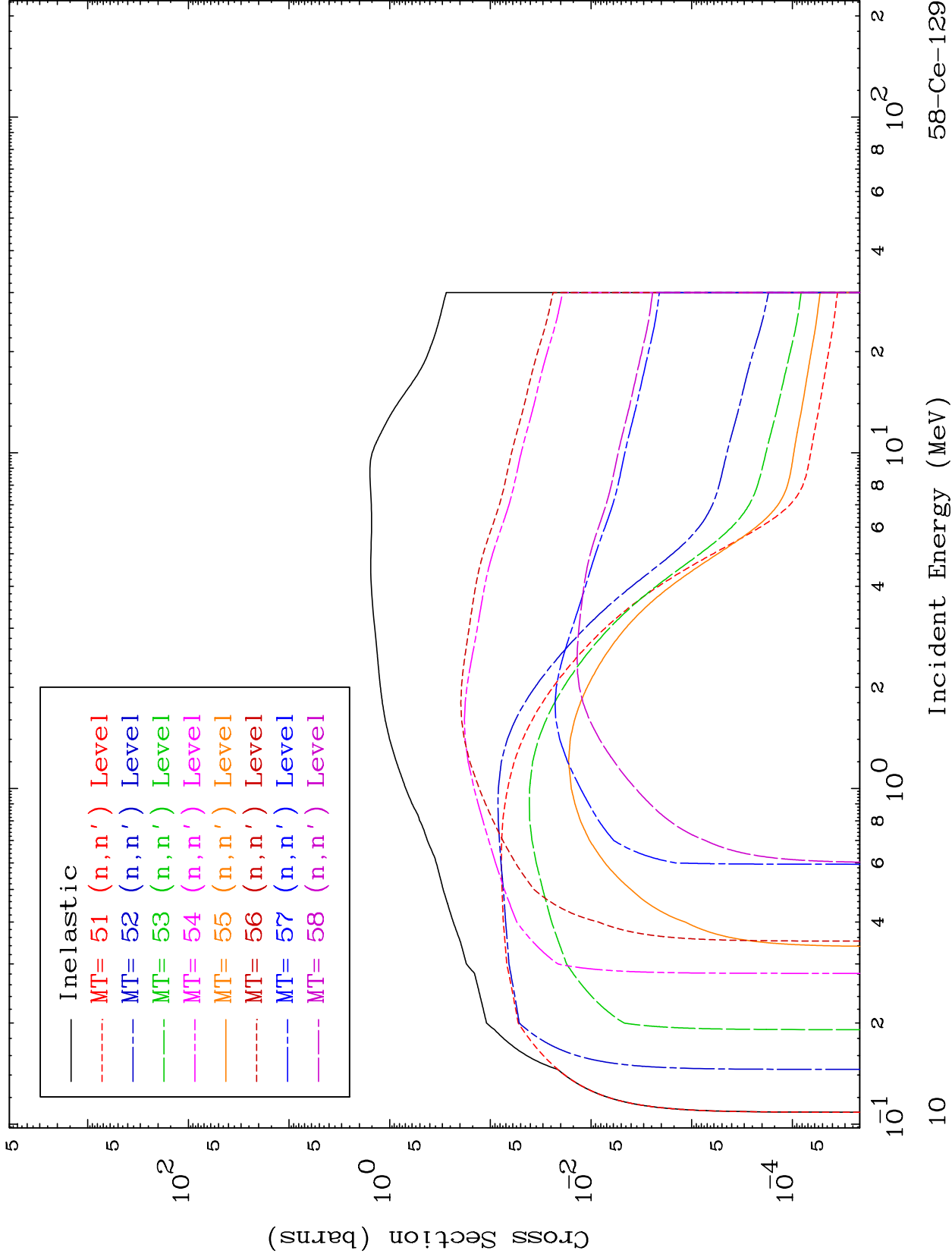
58-Ce-129



MAT 5804

(n,n') Levels  
293 Kelvin Cross Sections

58-Ce-129



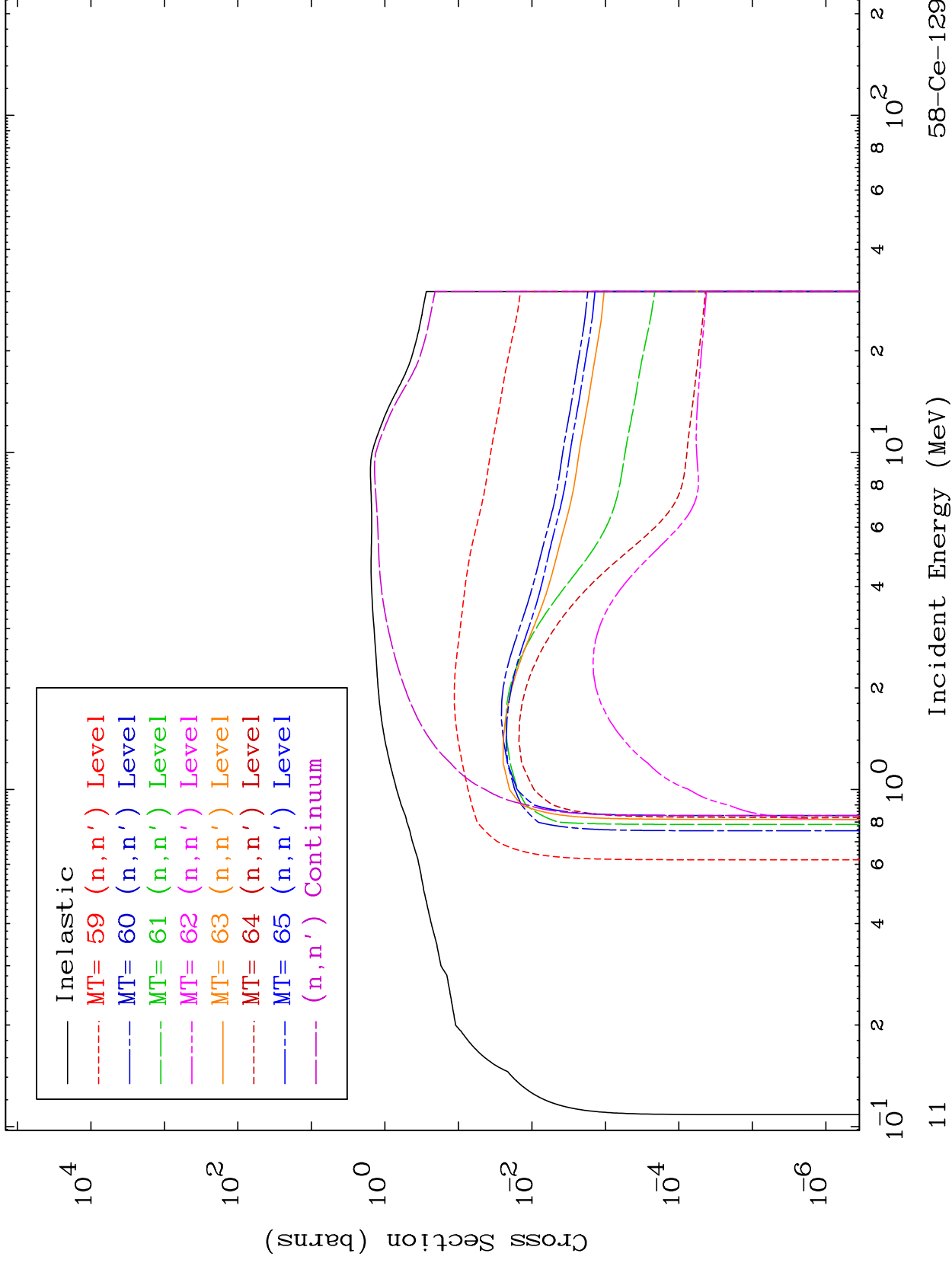
58-Ce-129

Incident Energy (MeV)

MAT 5804

(n,n') Levels  
293 Kelvin Cross Sections

58-Ce-129



11

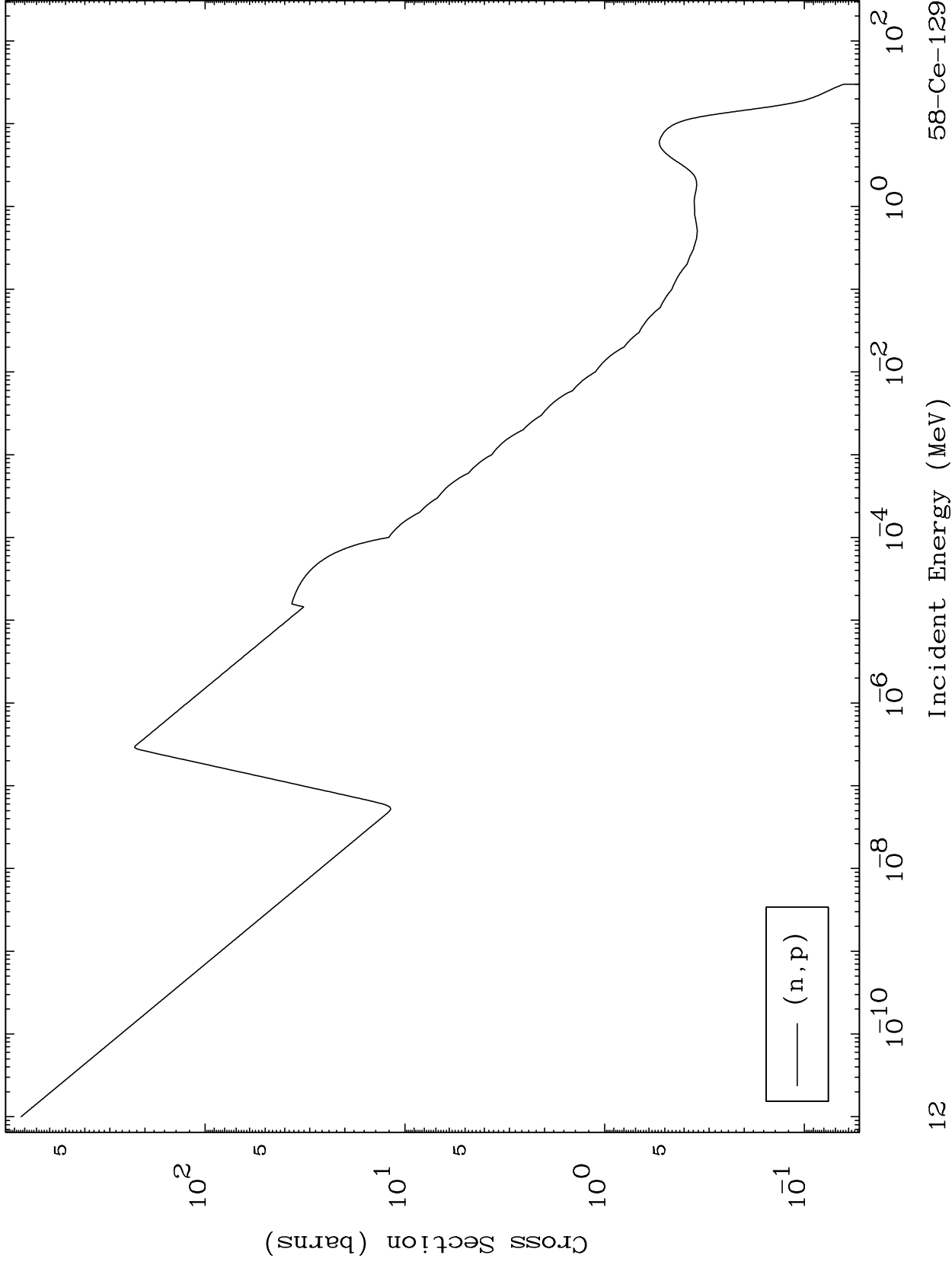
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-129



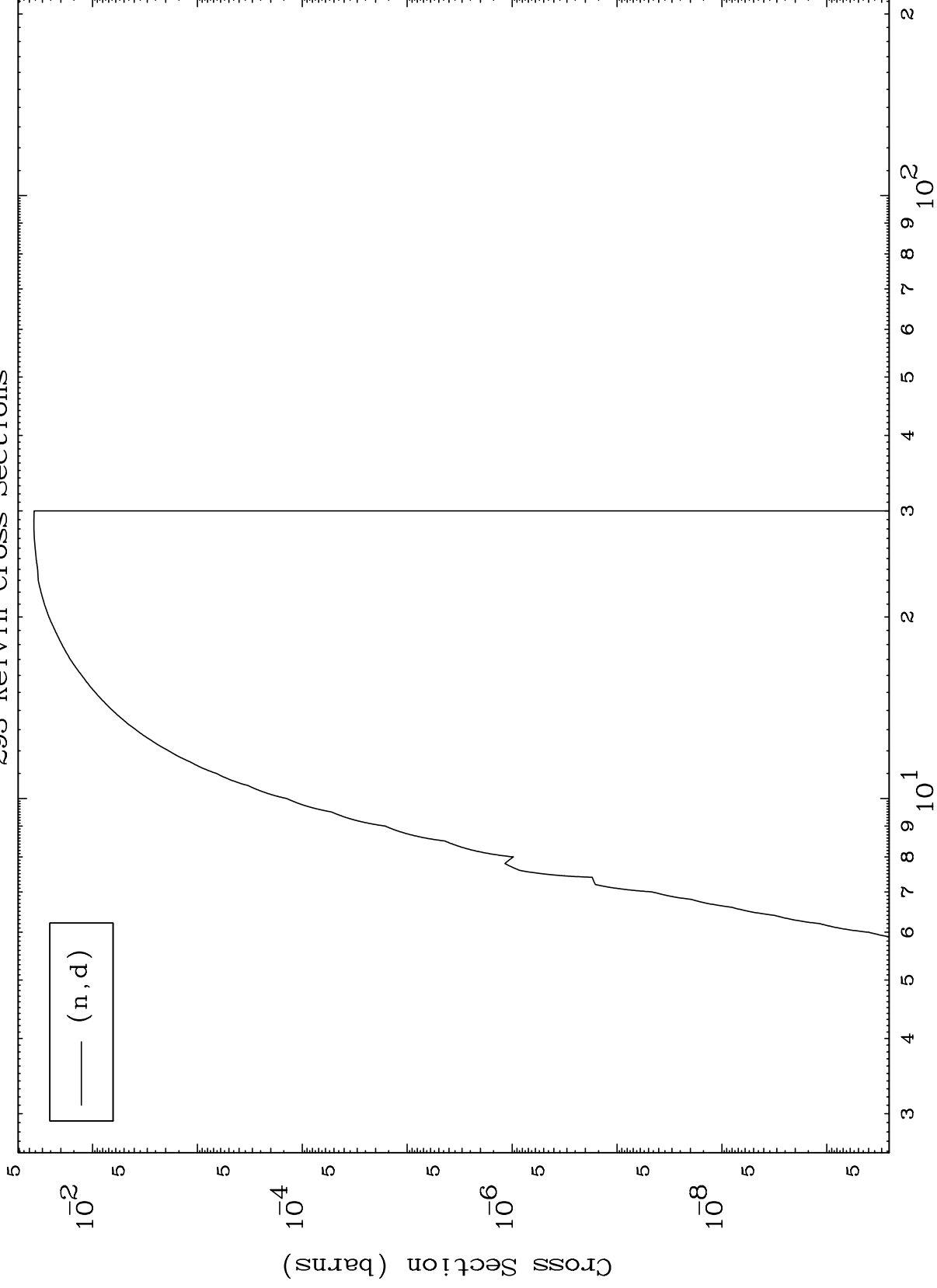
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58-Ce-129

MAT 5804

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-129



13

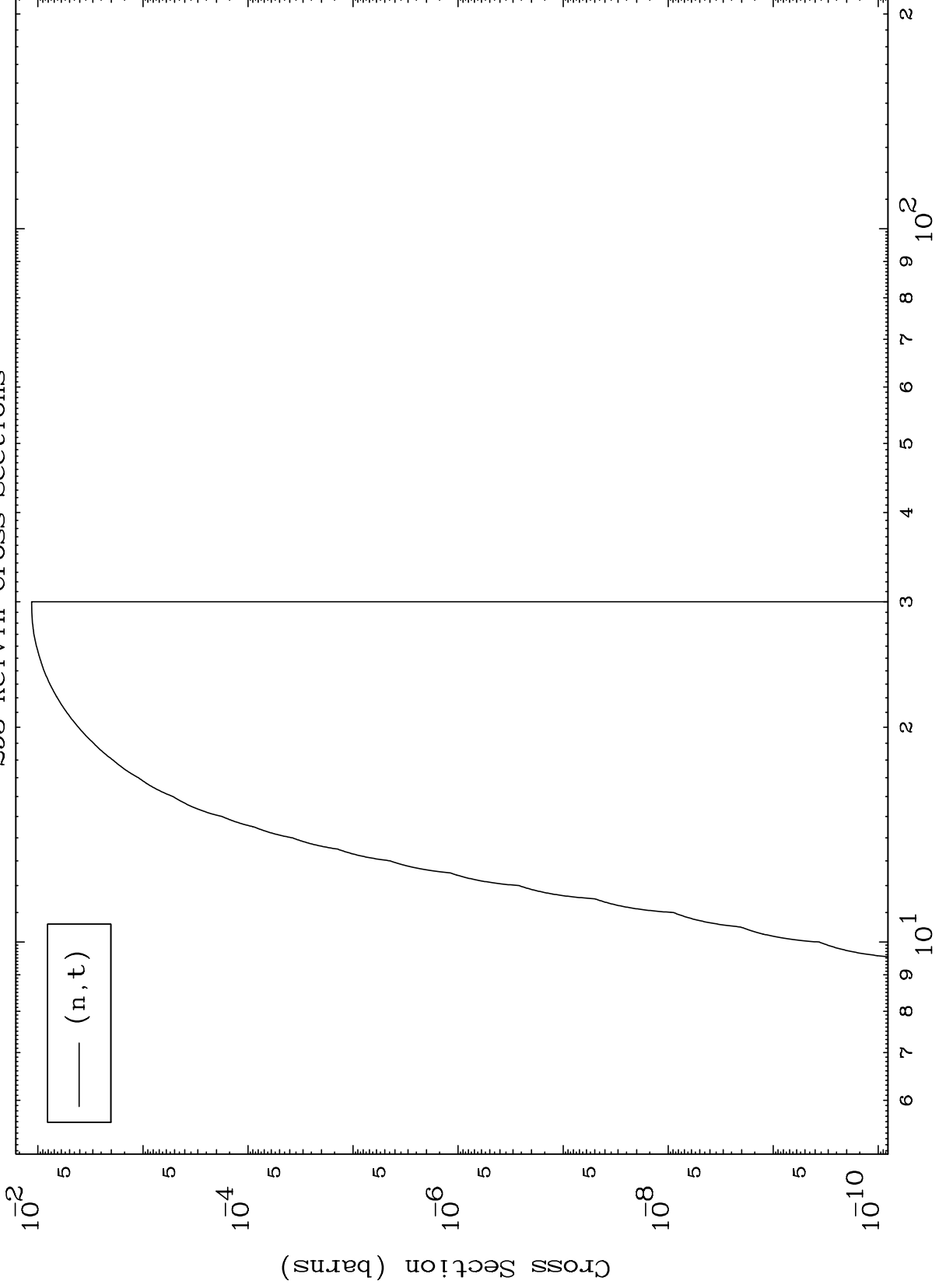
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-129



14

Incident Energy (MeV)

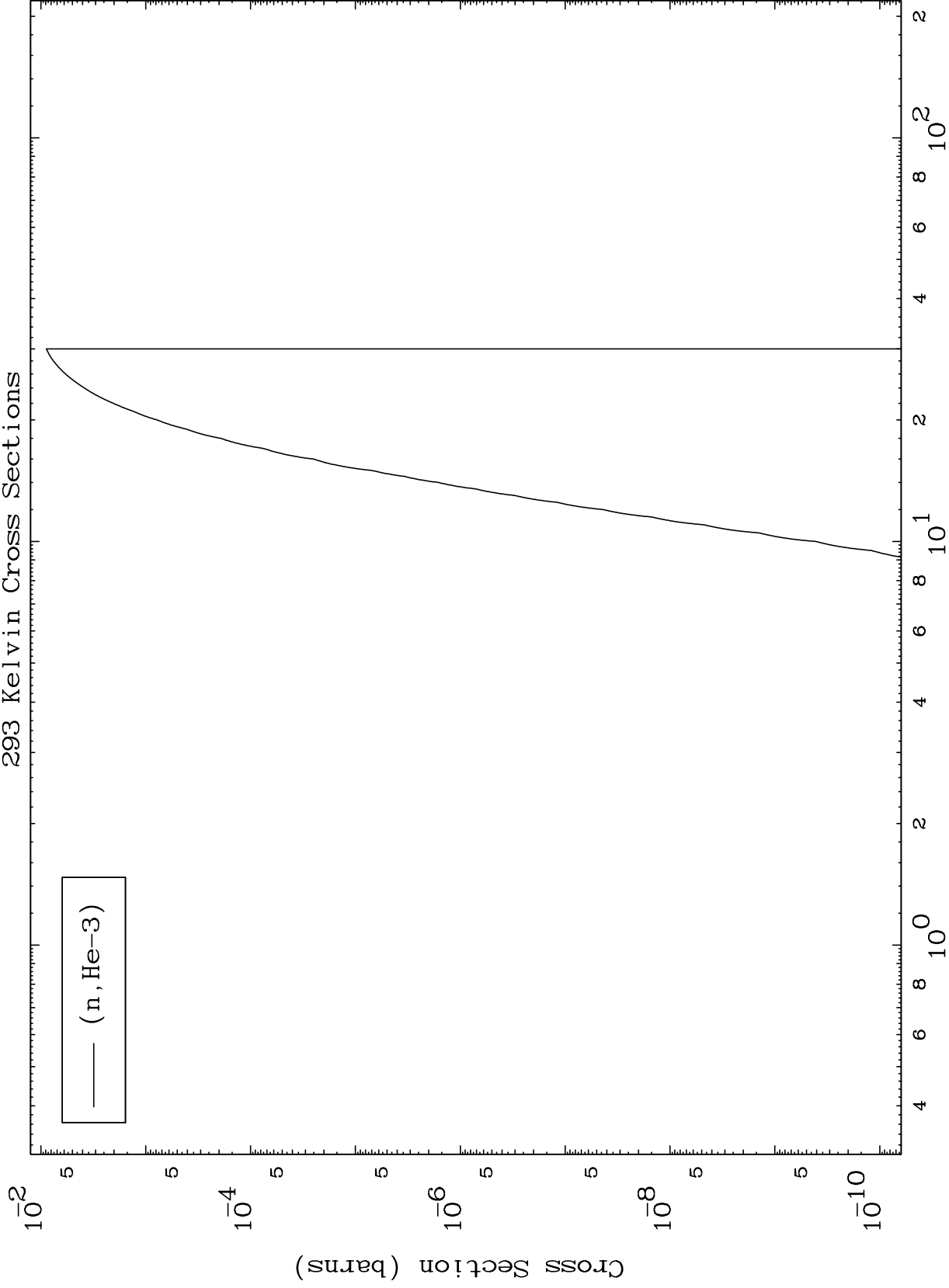
58-Ce-129

MAT 5804

(n,He3) Levels

58-Ce-129

293 Kelvin Cross Sections



15

Incident Energy (MeV)

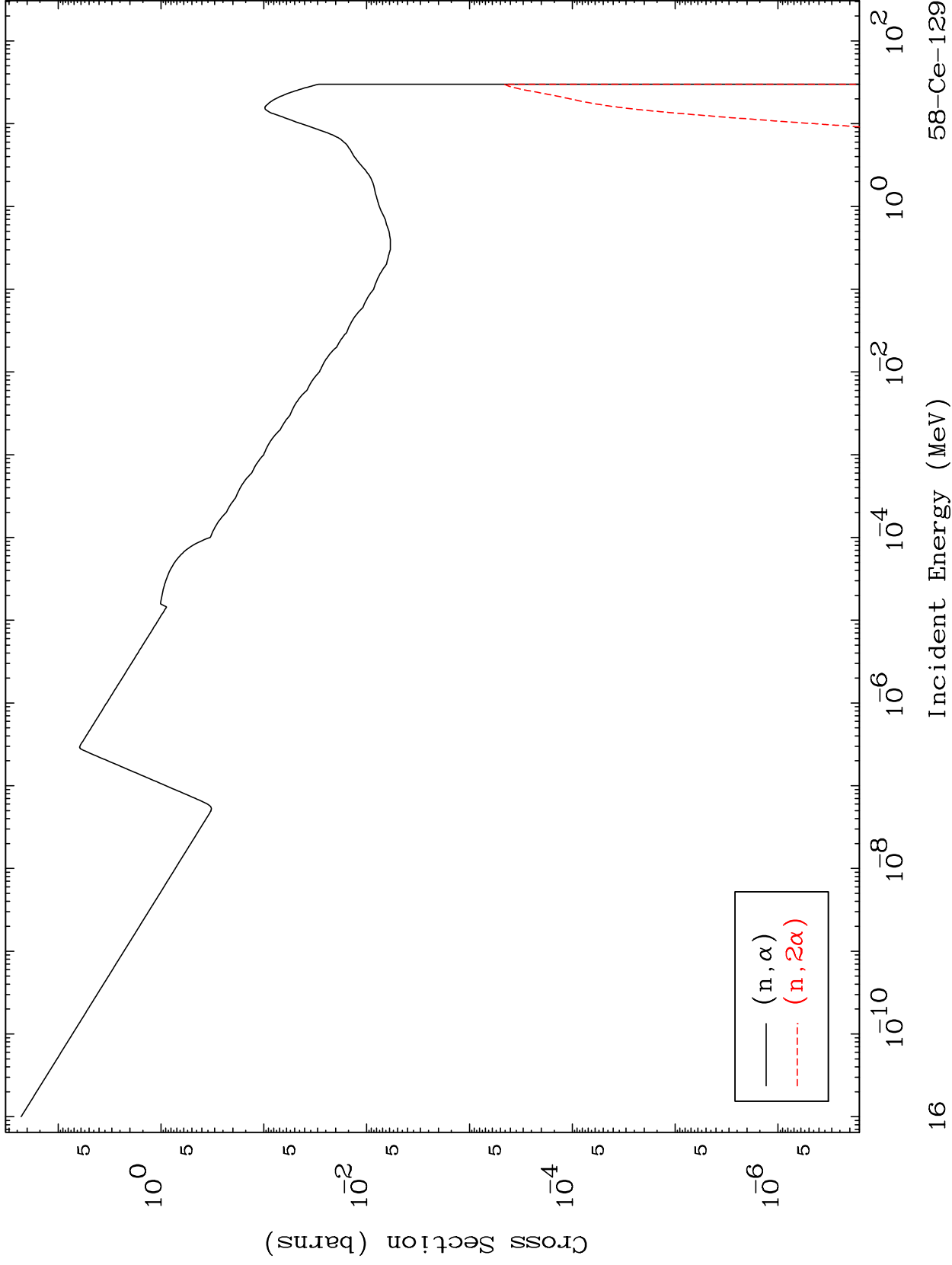
58-Ce-129



MAT 5804

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

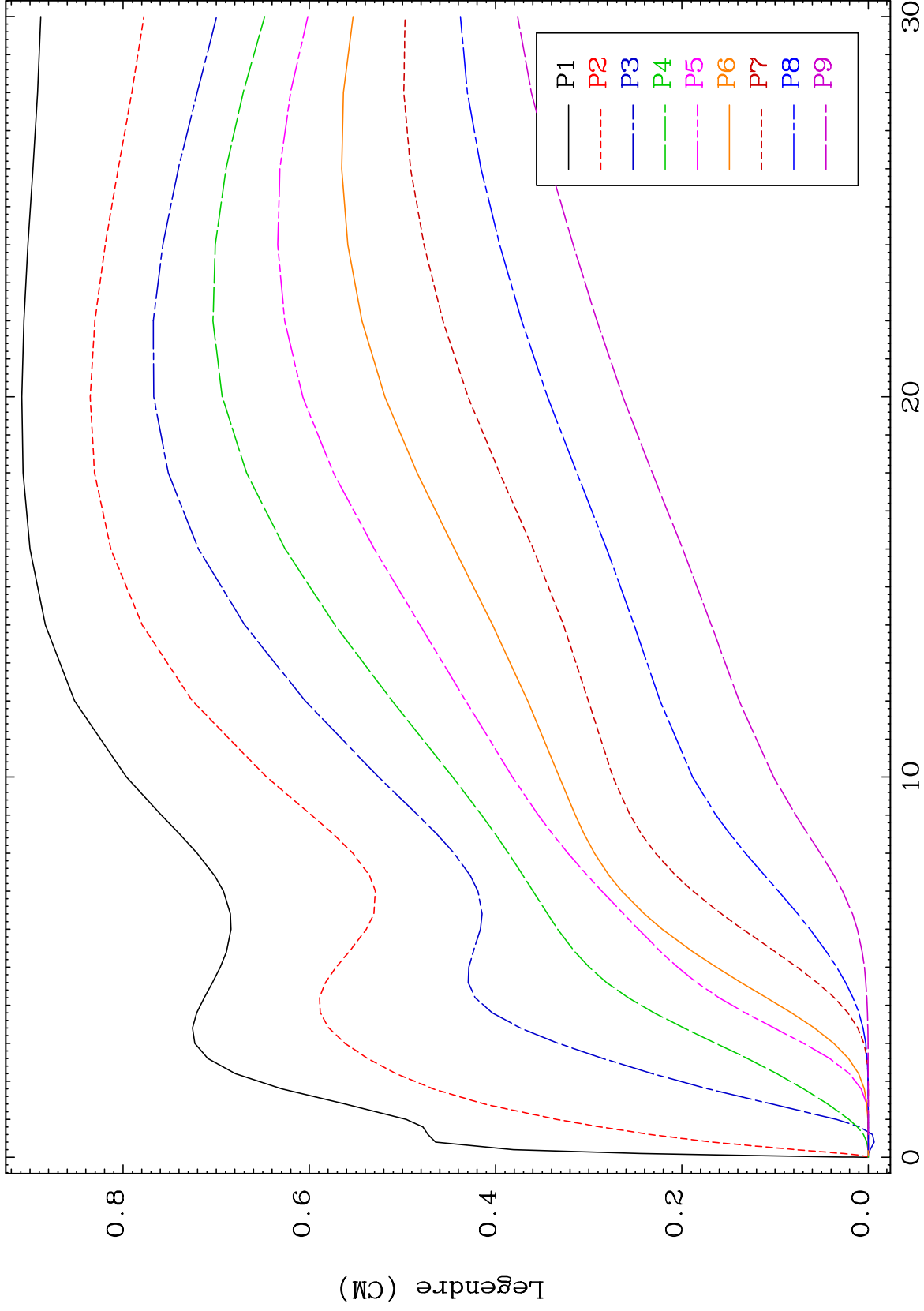
58-Ce-129



MAT 5804

Elastic Legendre Coefficients

58-Ce-129



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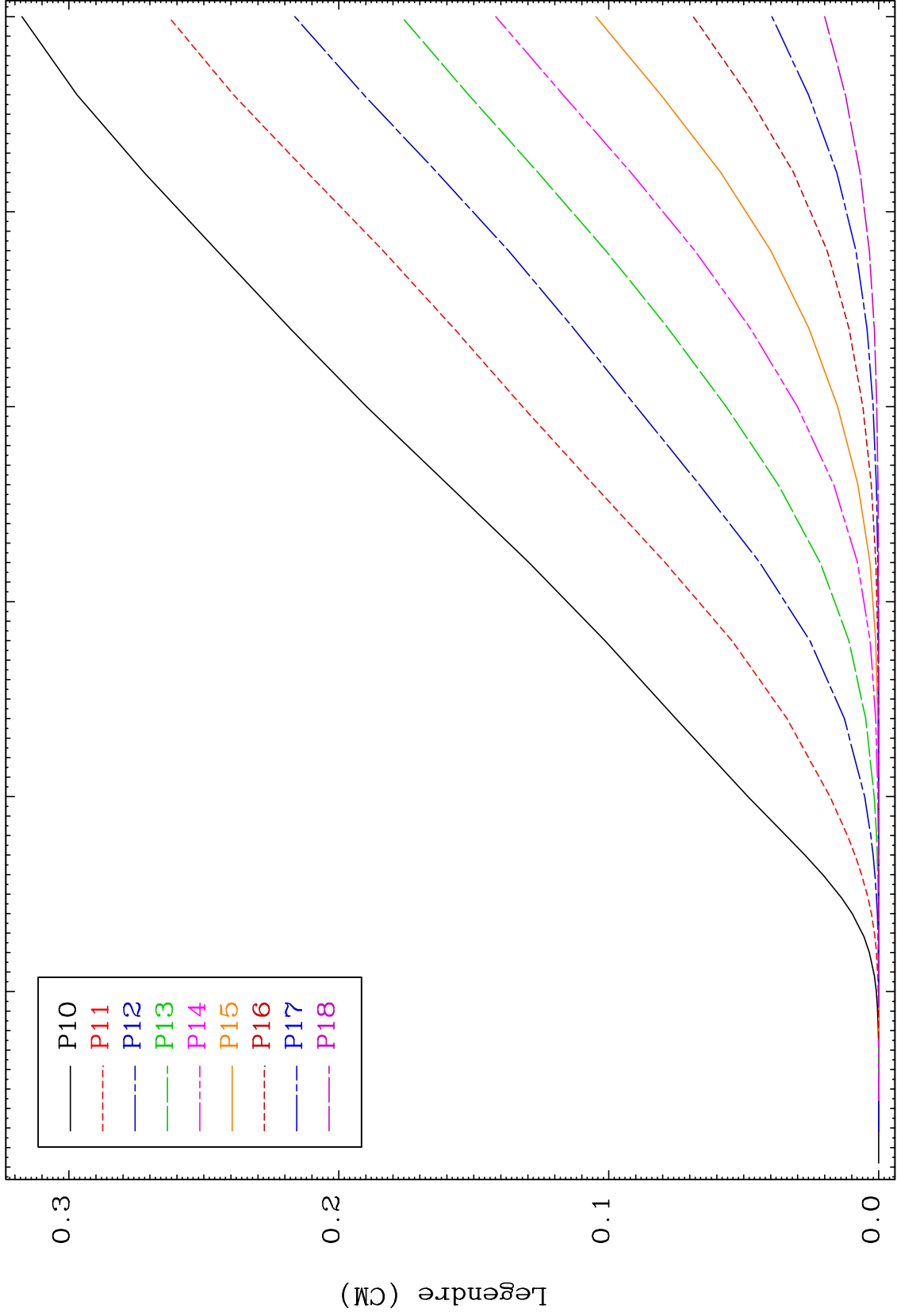
Incident Energy (MeV)

58-Ce-129

MAT 5804

Elastic Legendre Coefficients

58-Ce-129



18

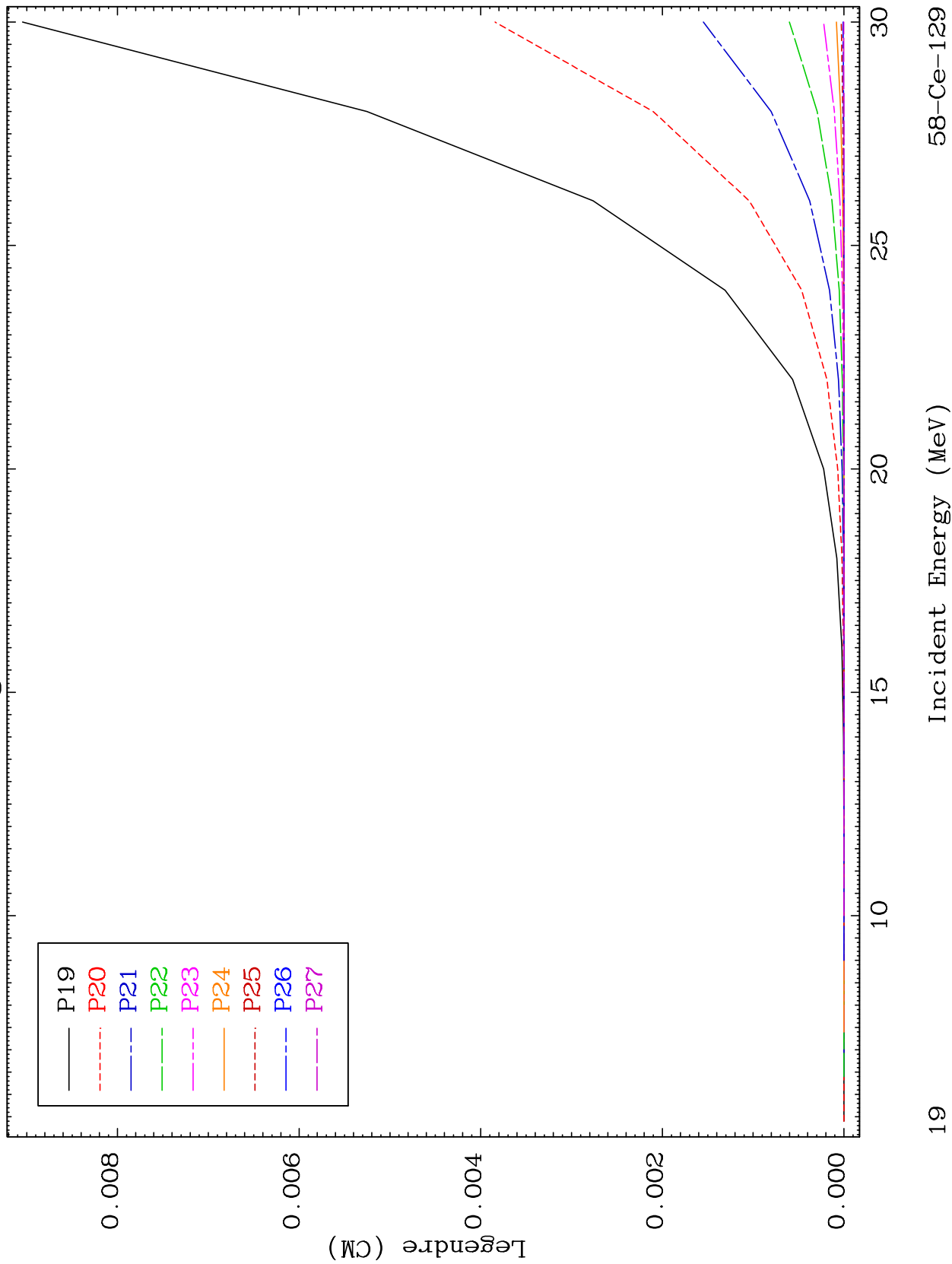
Incident Energy (MeV)

58-Ce-129

MAT 5804

### Elastic Legendre Coefficients

58-Ce-129



19

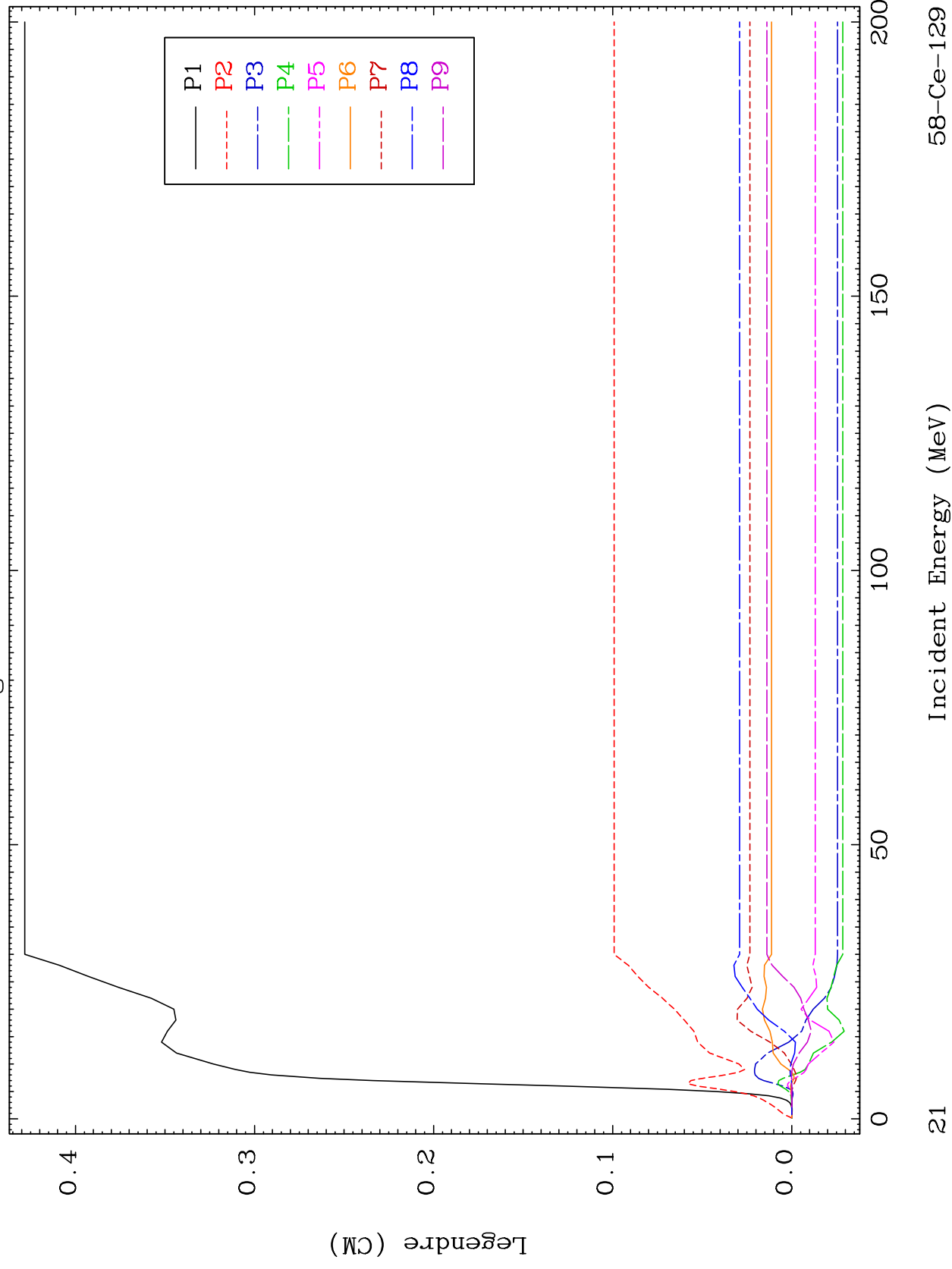
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

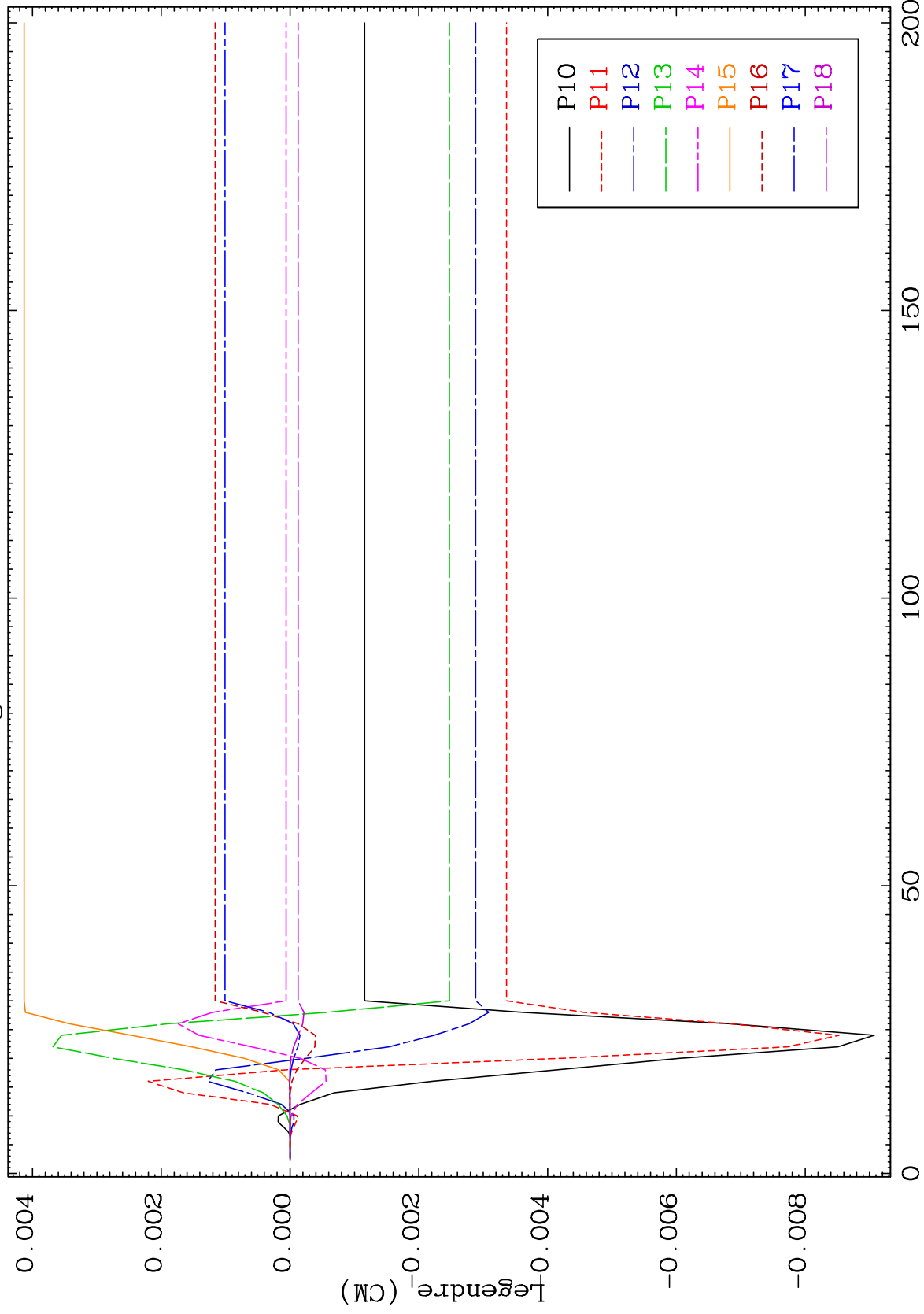
Incident Energy (MeV)

21

MAT 5804

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

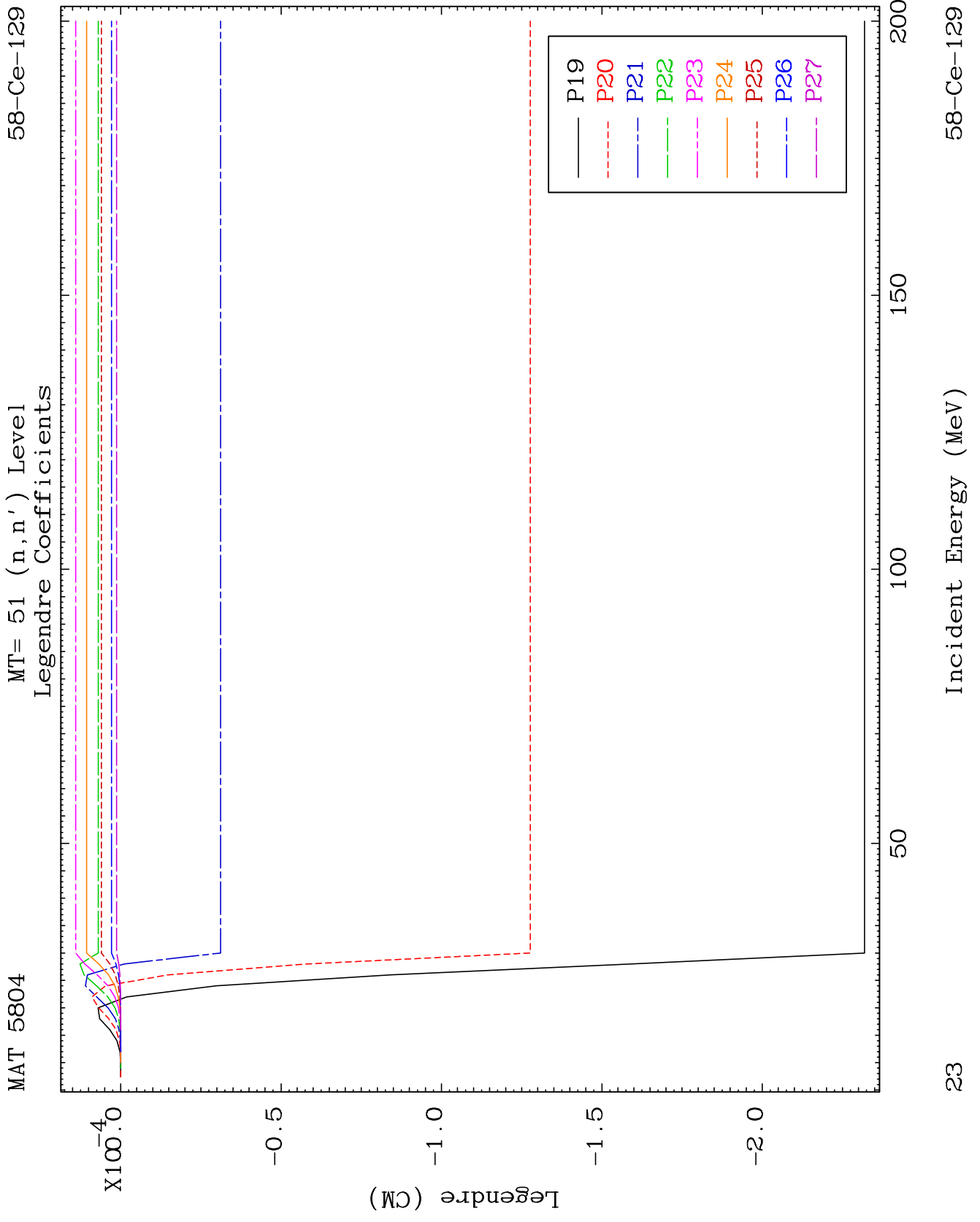
58-Ce-129



22

Incident Energy (MeV)

58-Ce-129

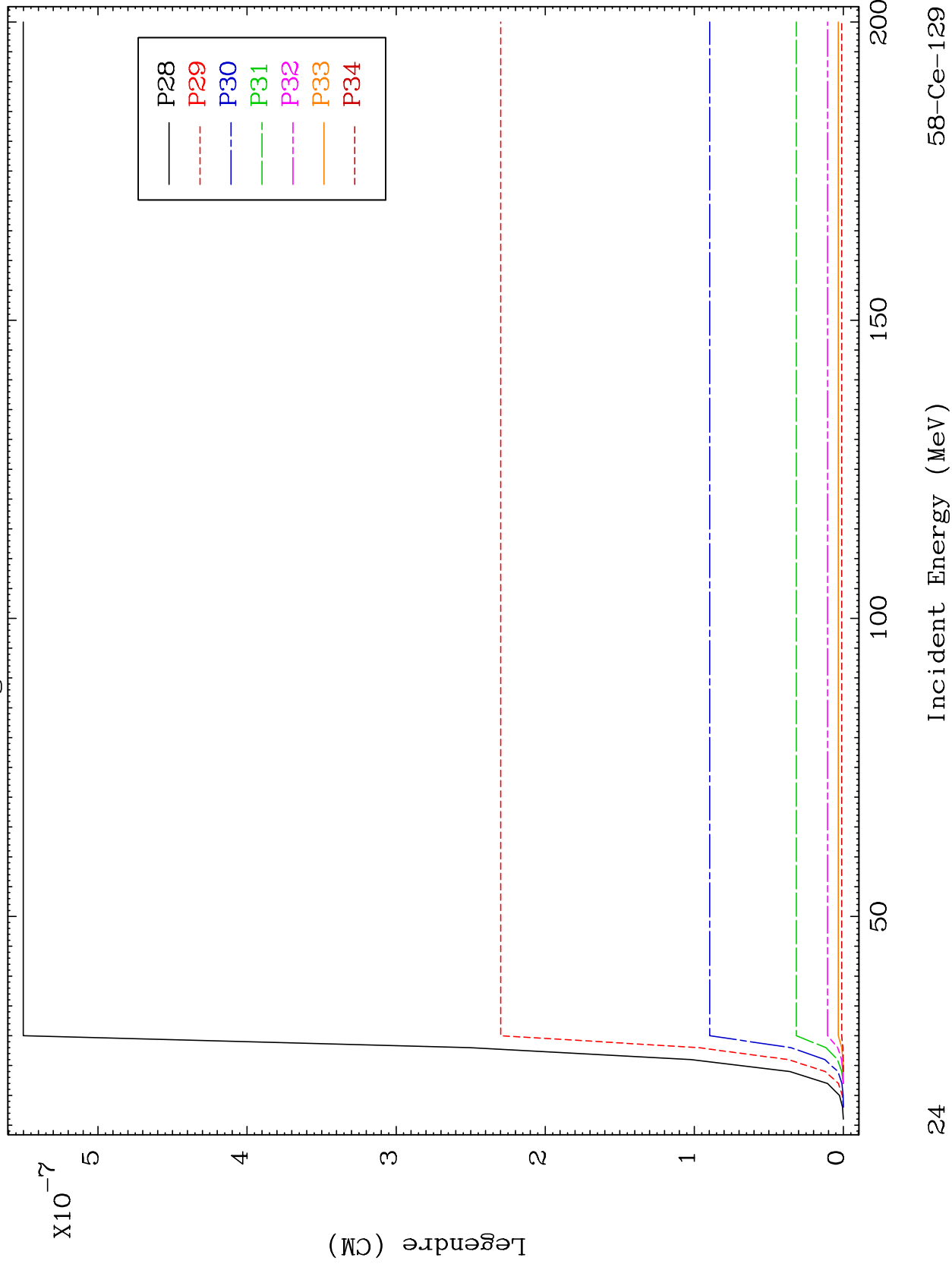




MAT 5804

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

58-Ce-129



24

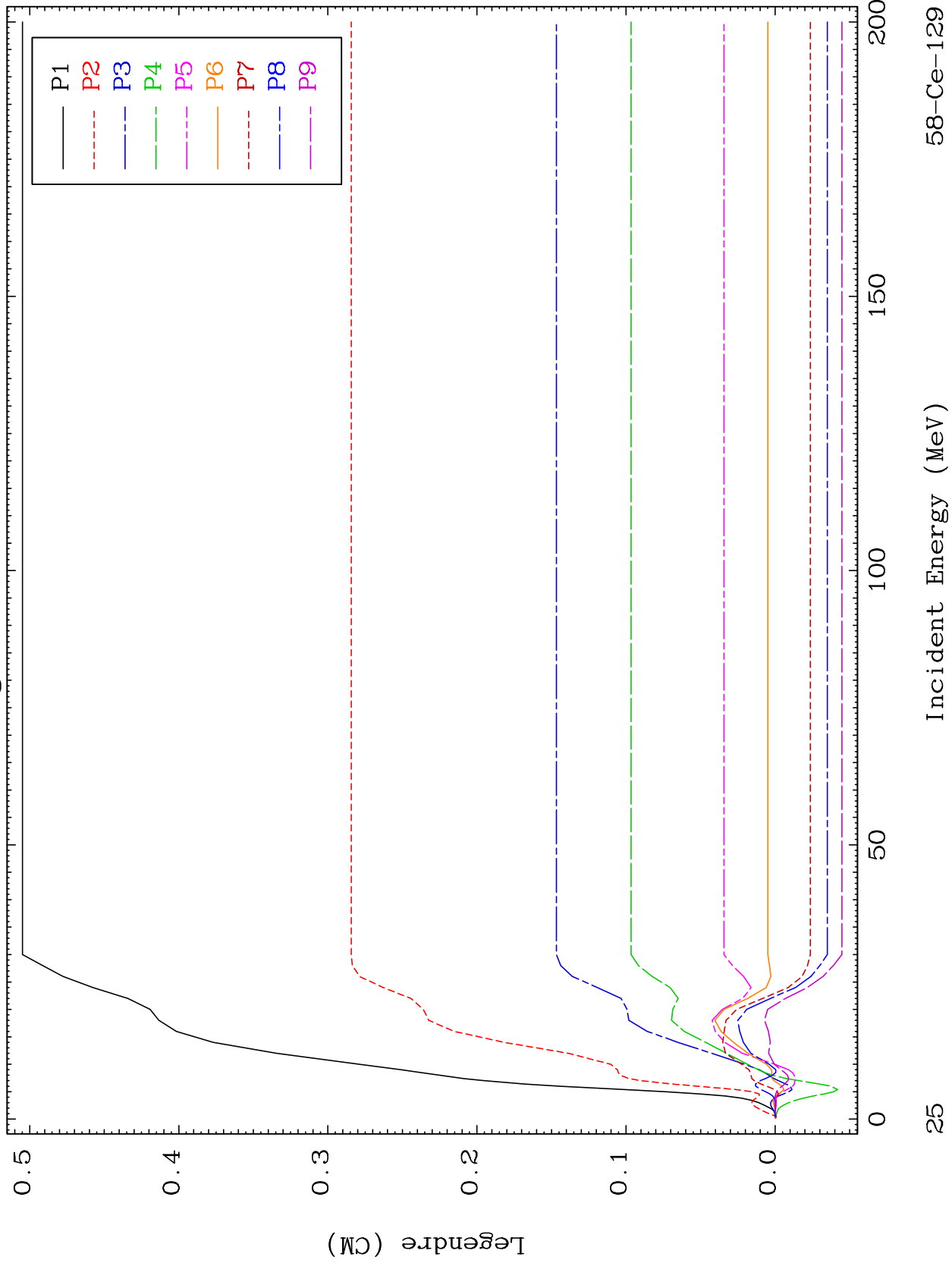
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

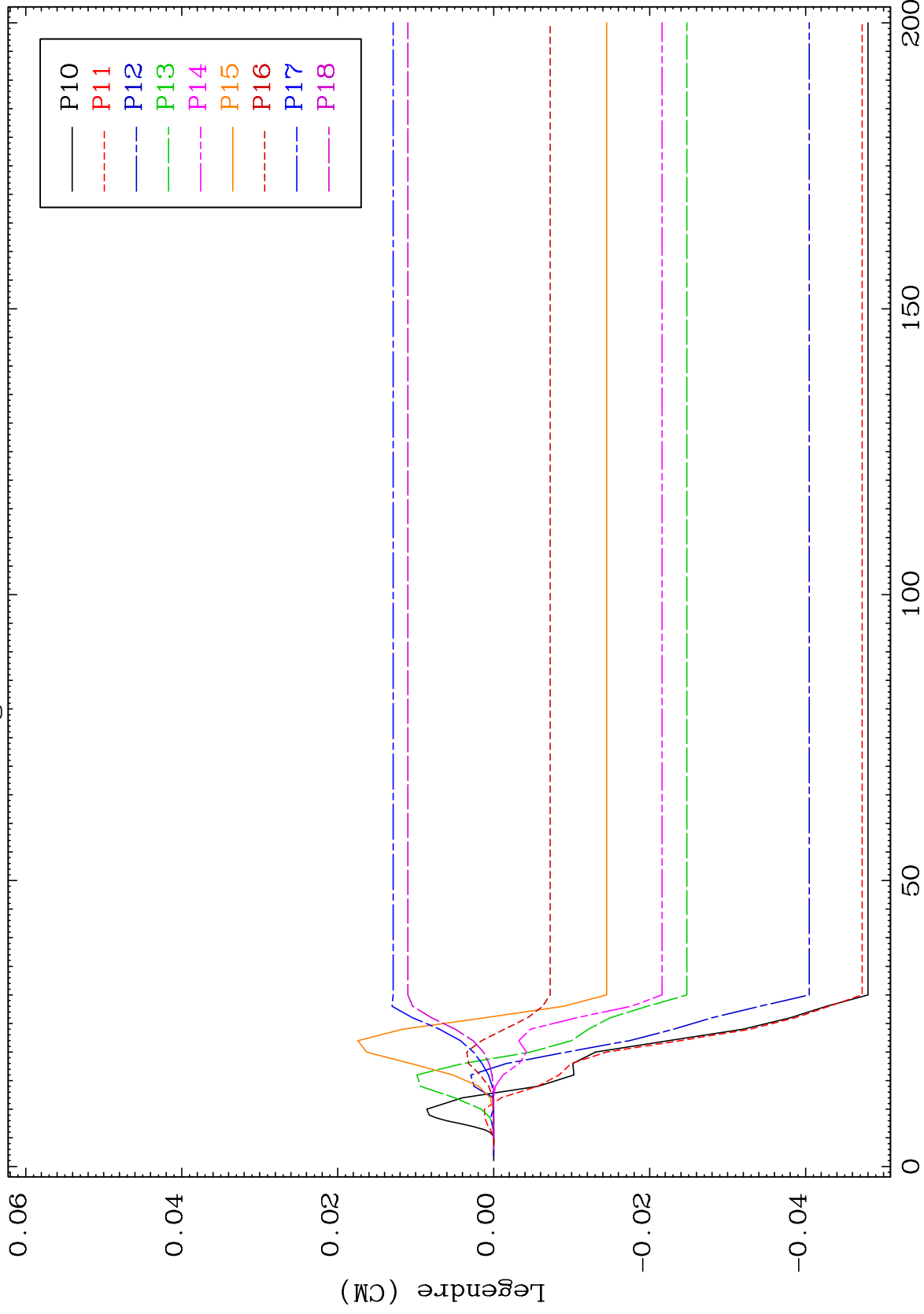
Incident Energy (MeV)

25

MAT 5804

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

58-Ce-129



26

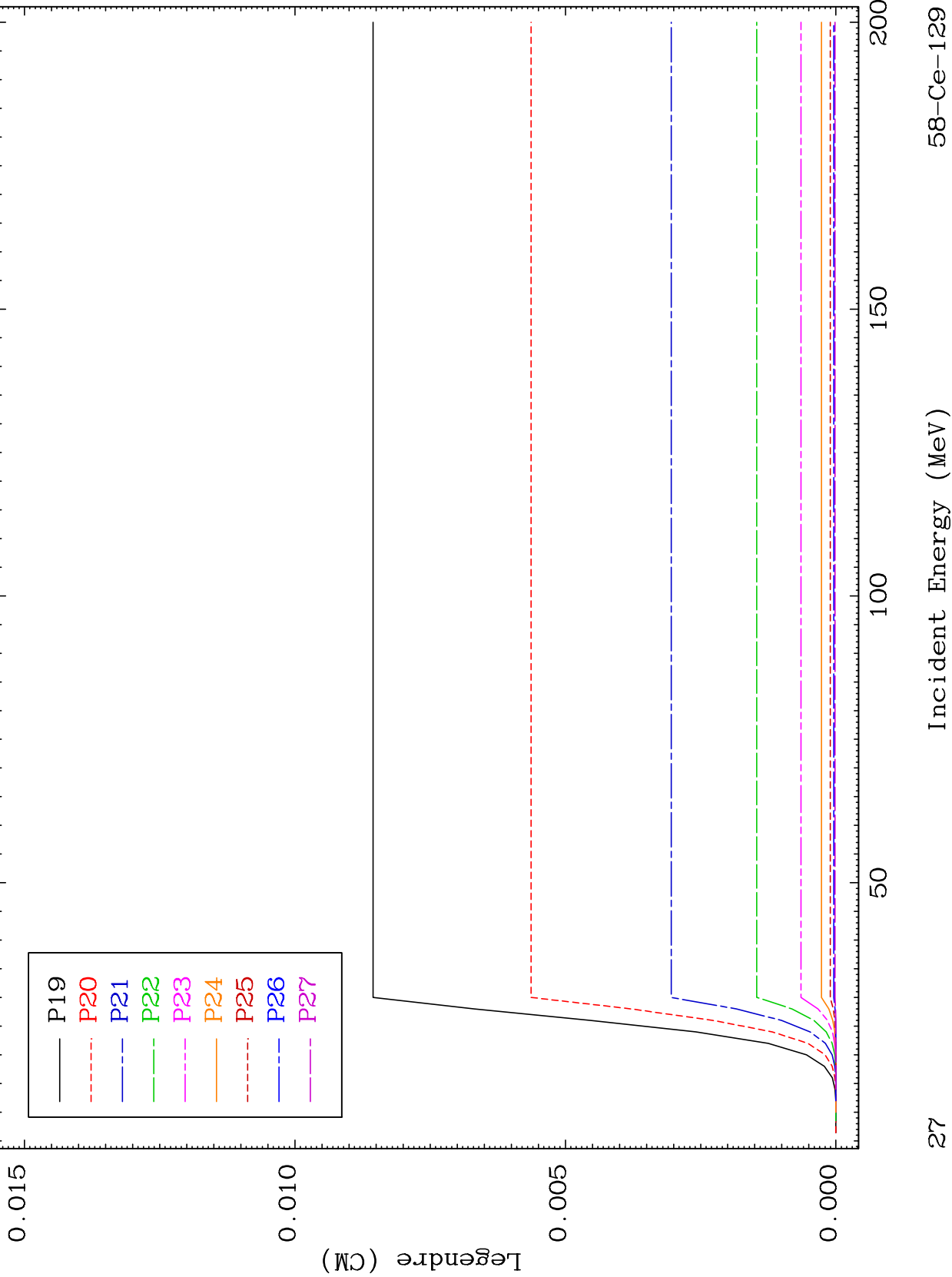
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

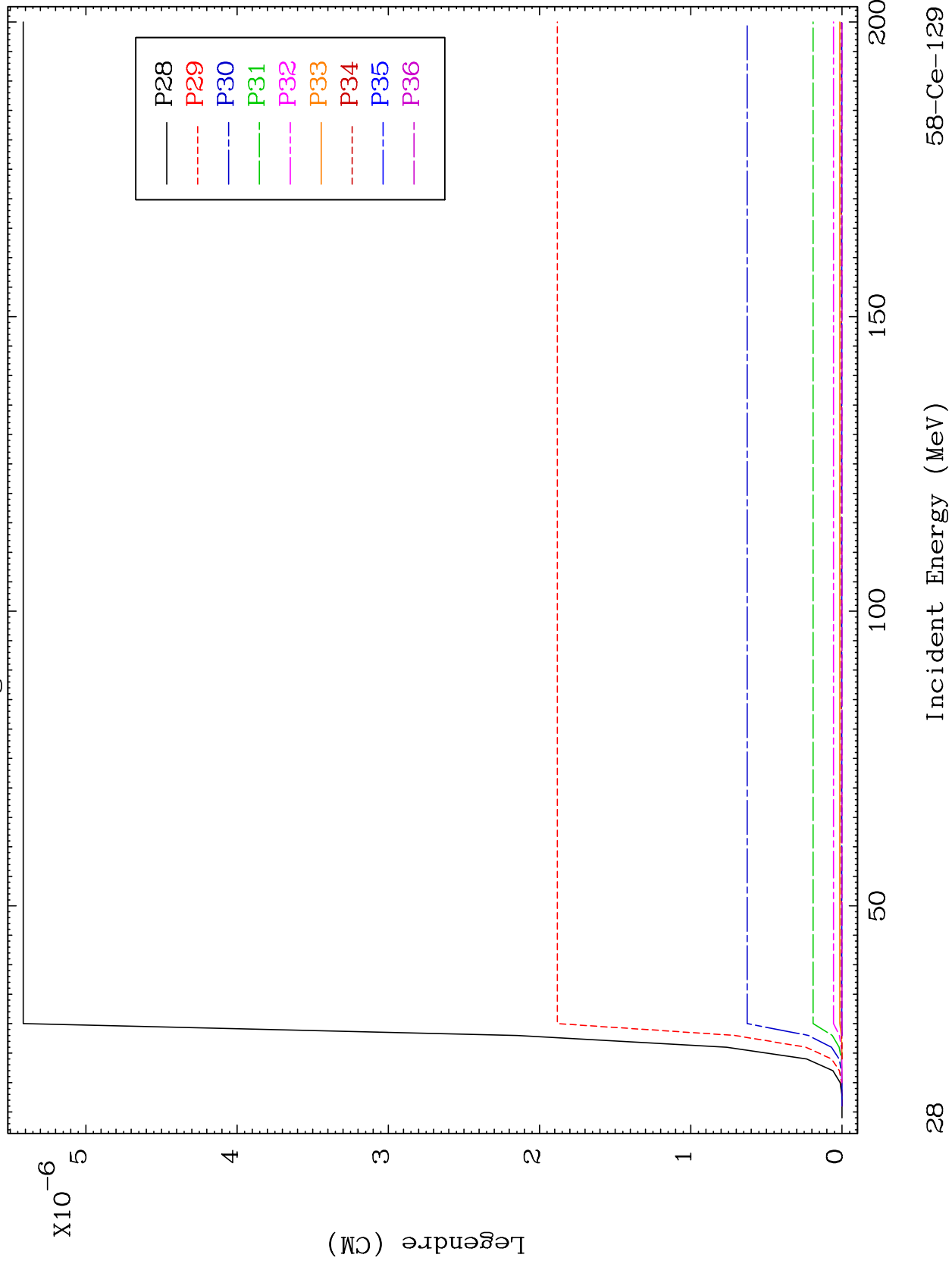
58-Ce-129



MAT 5804

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

58-Ce-129



28

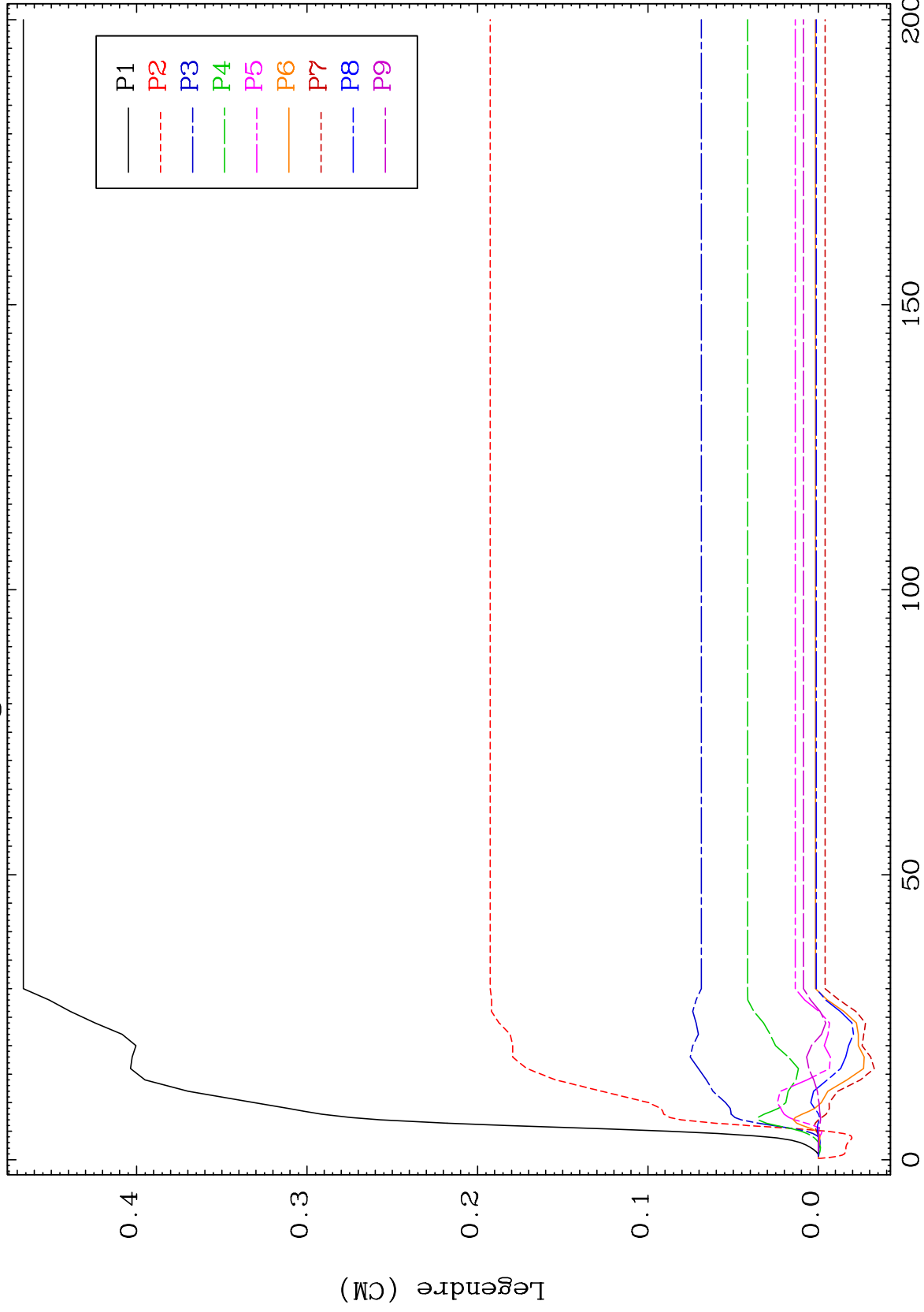
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

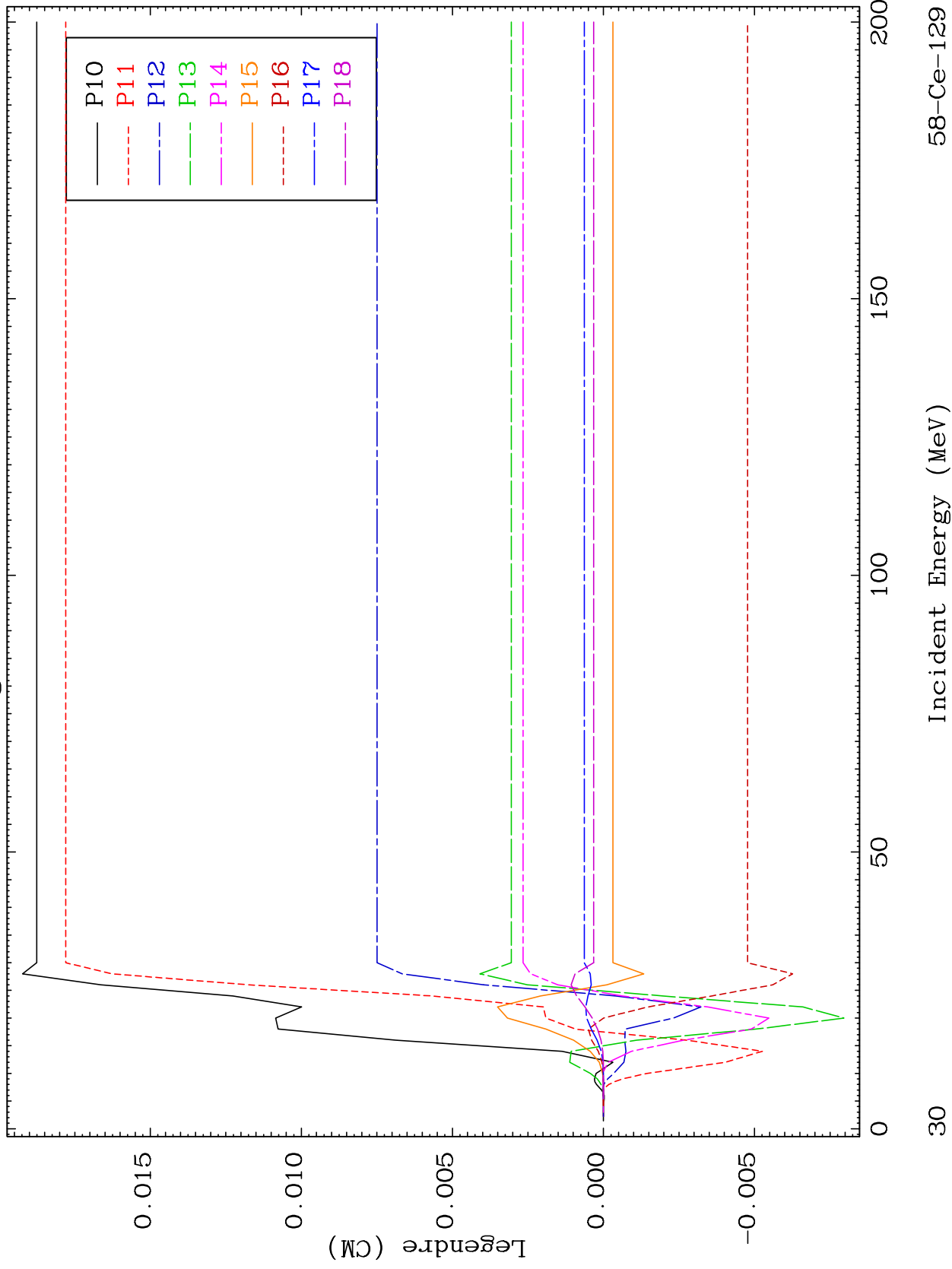
Incident Energy (MeV)

29

MAT 5804

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

58-Ce-129



58-Ce-129

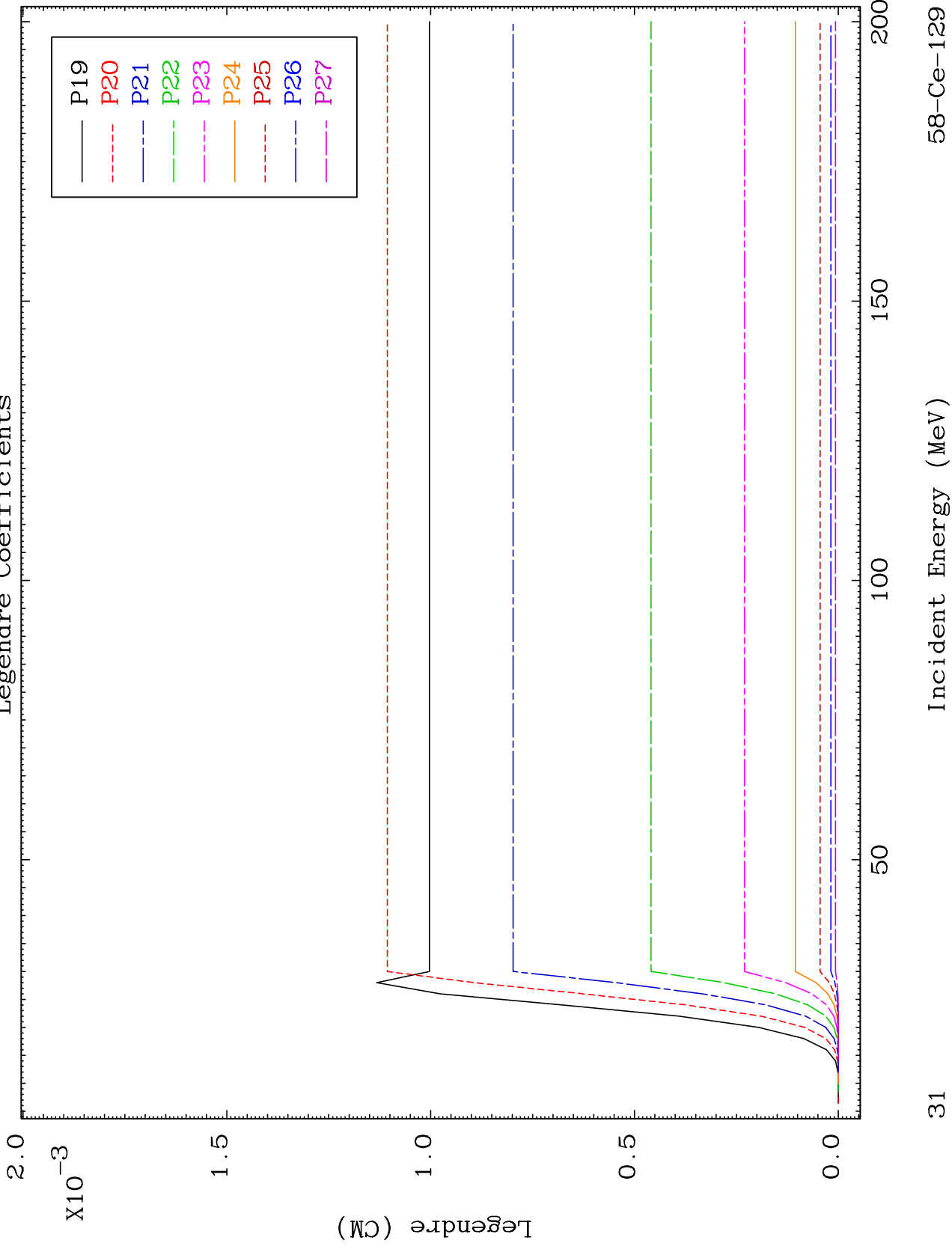
Incident Energy (MeV)

30

MAT 5804

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

58-Ce-129



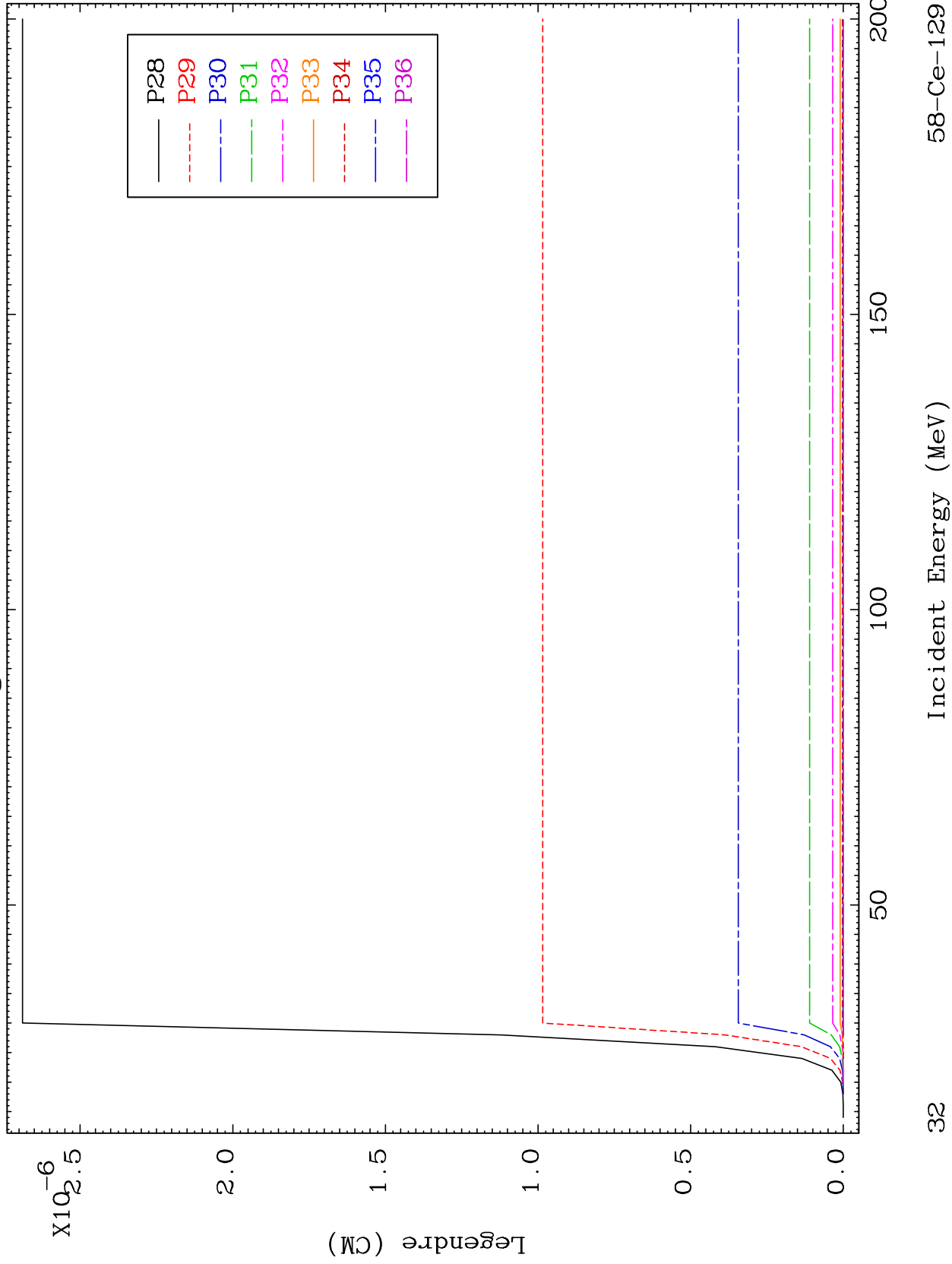
31



MAT 5804

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

58-Ce-129



32

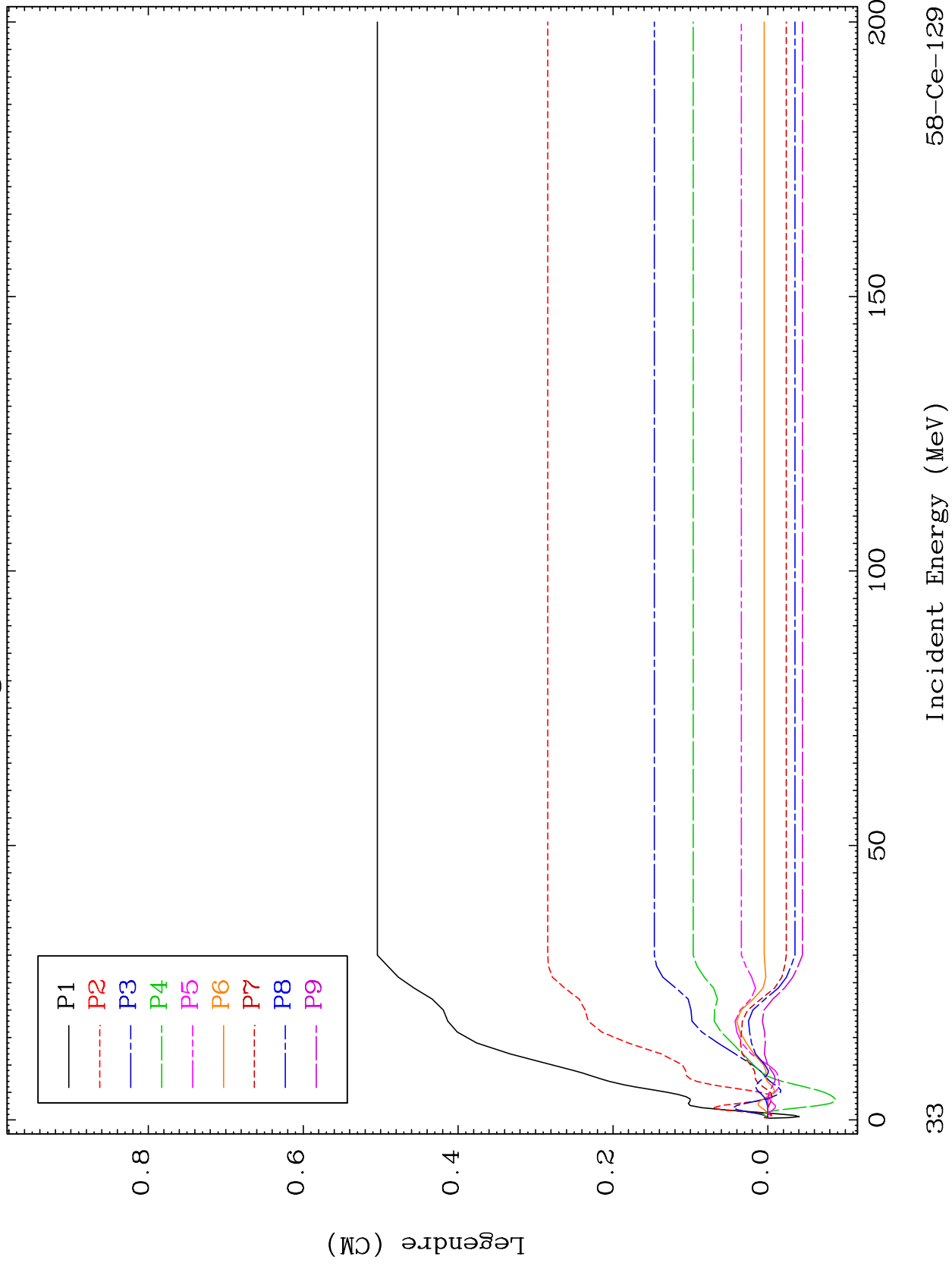
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



33

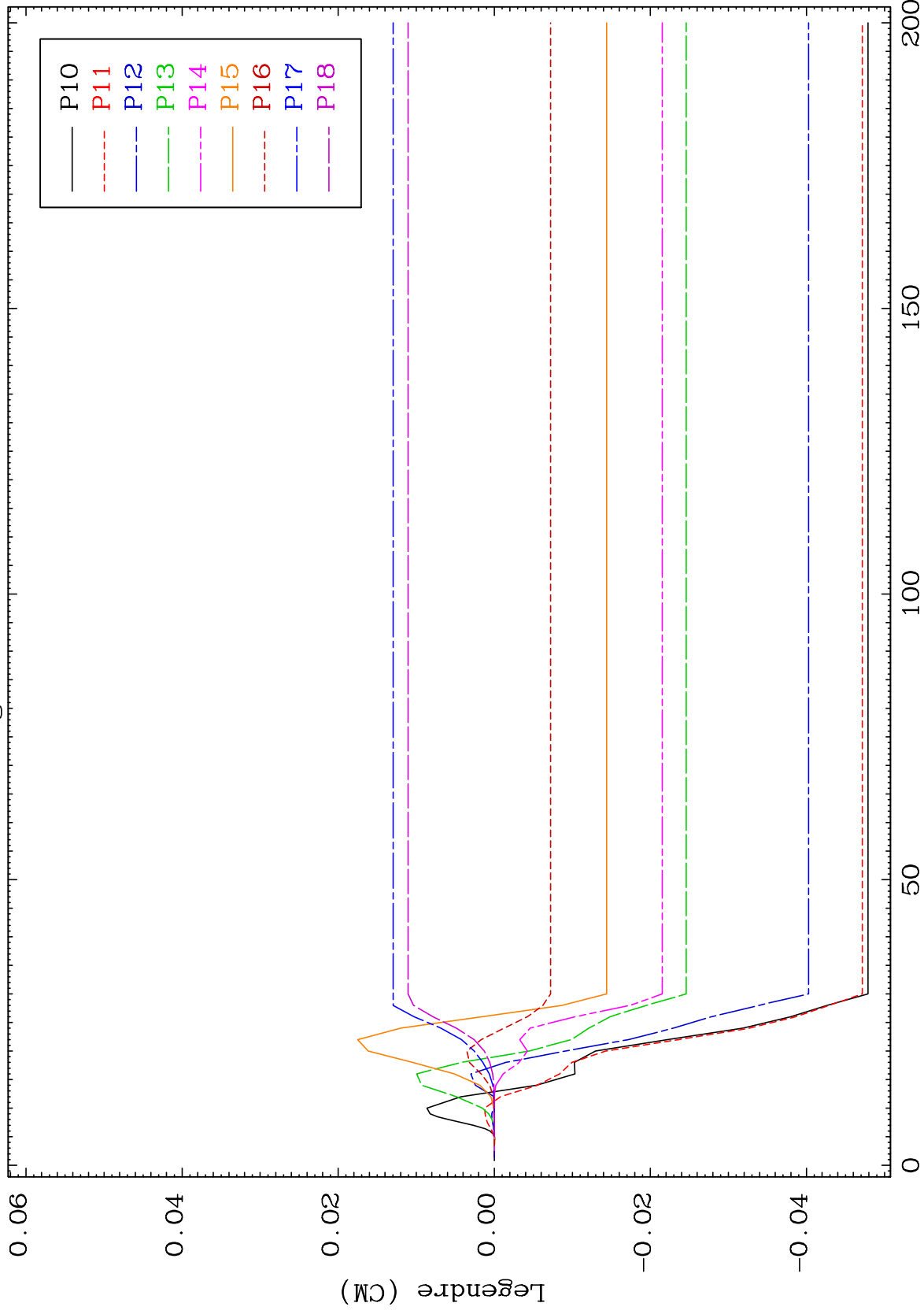
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



34

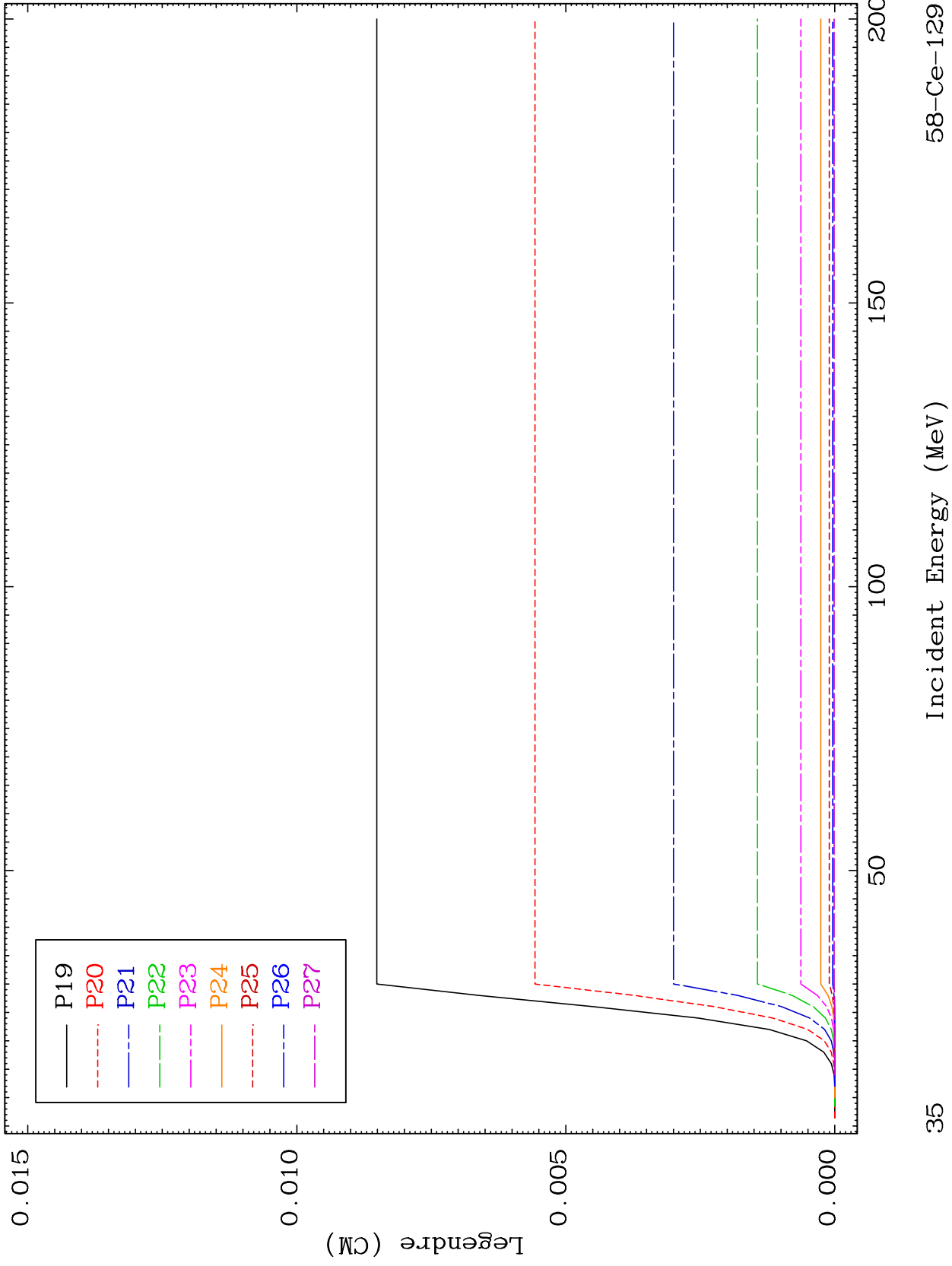
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



35

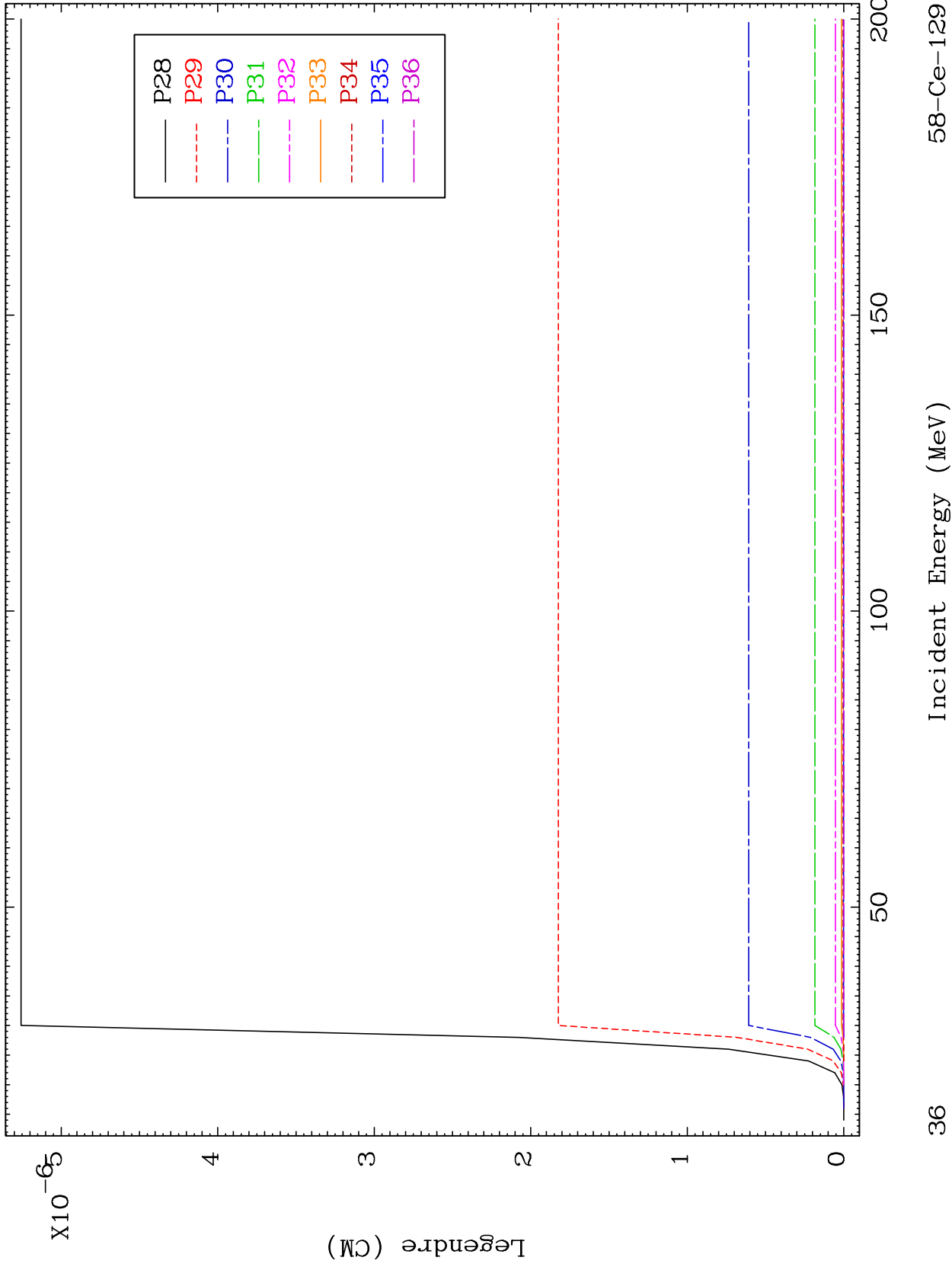
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

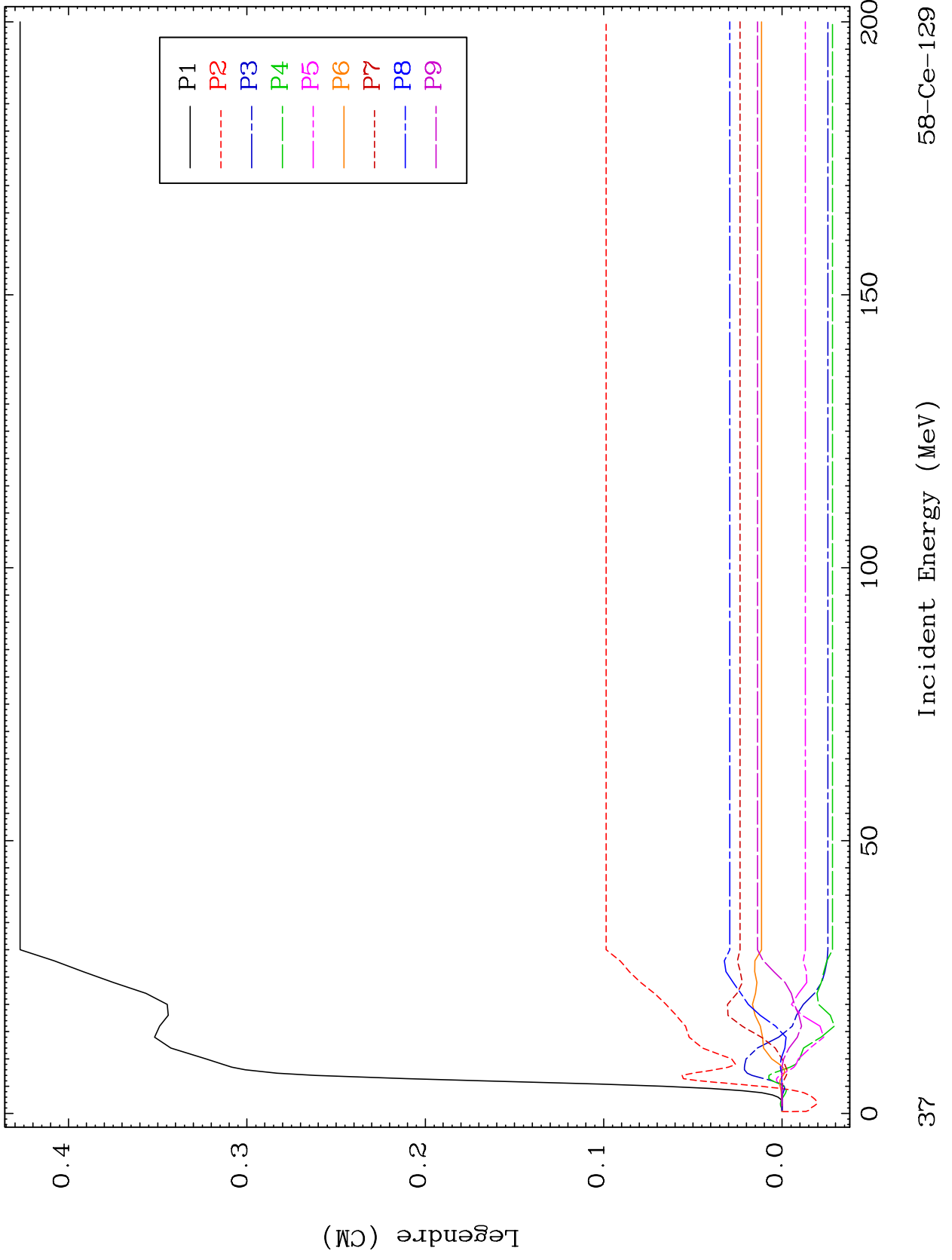
58-Ce-129



MAT 5804

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

58-Ce-129



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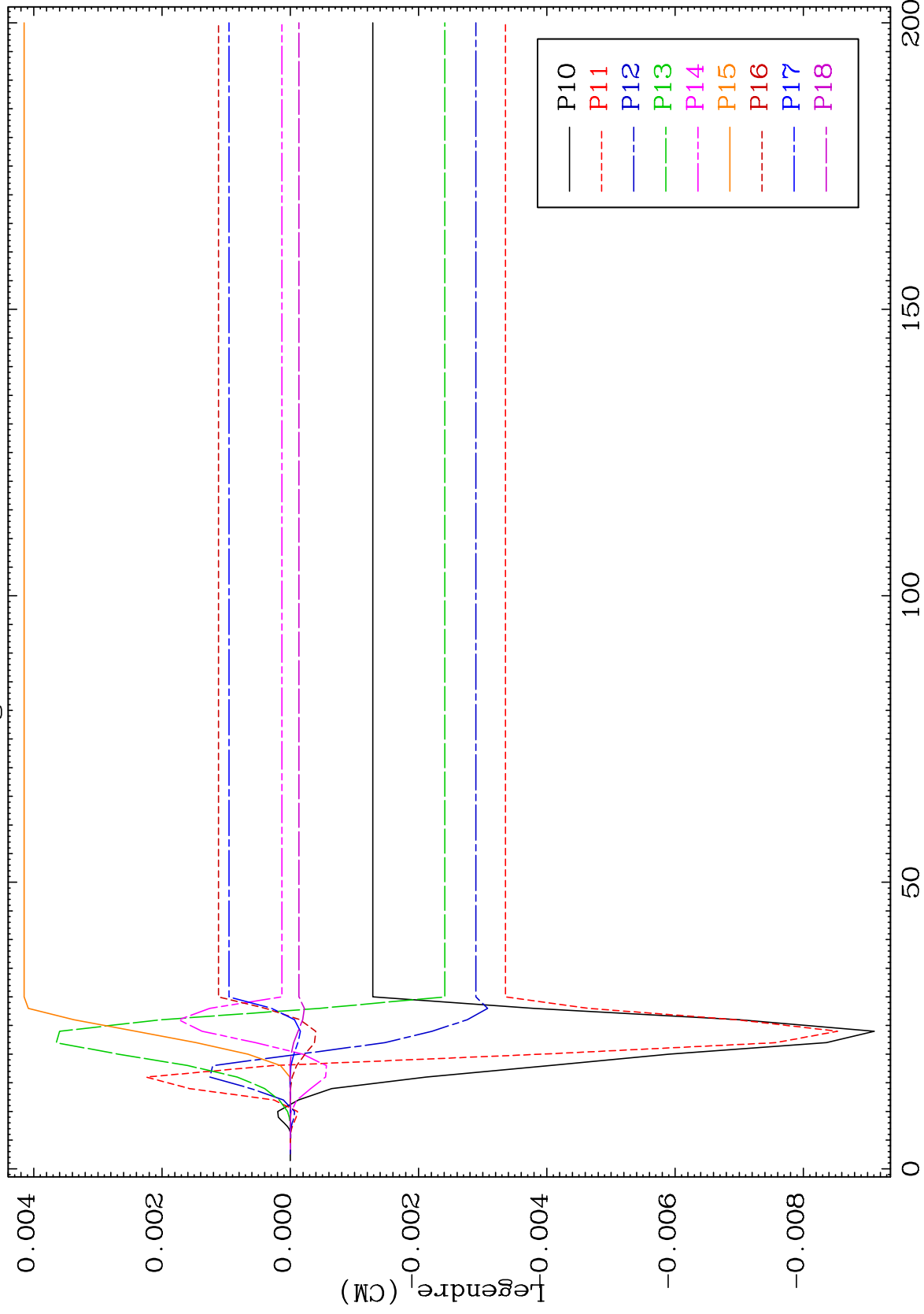
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

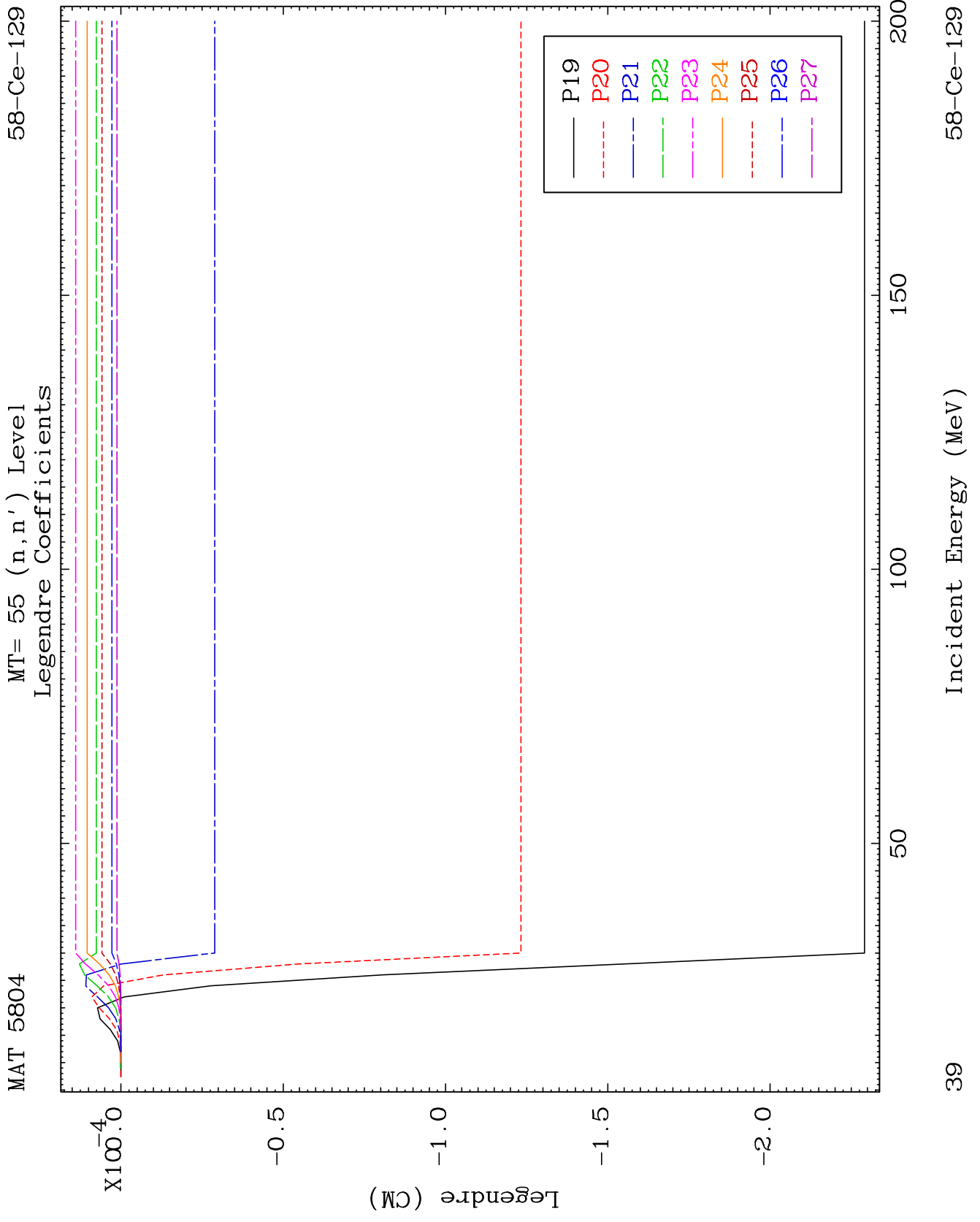
58-Ce-129



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Incident Energy (MeV)

58-Ce-129

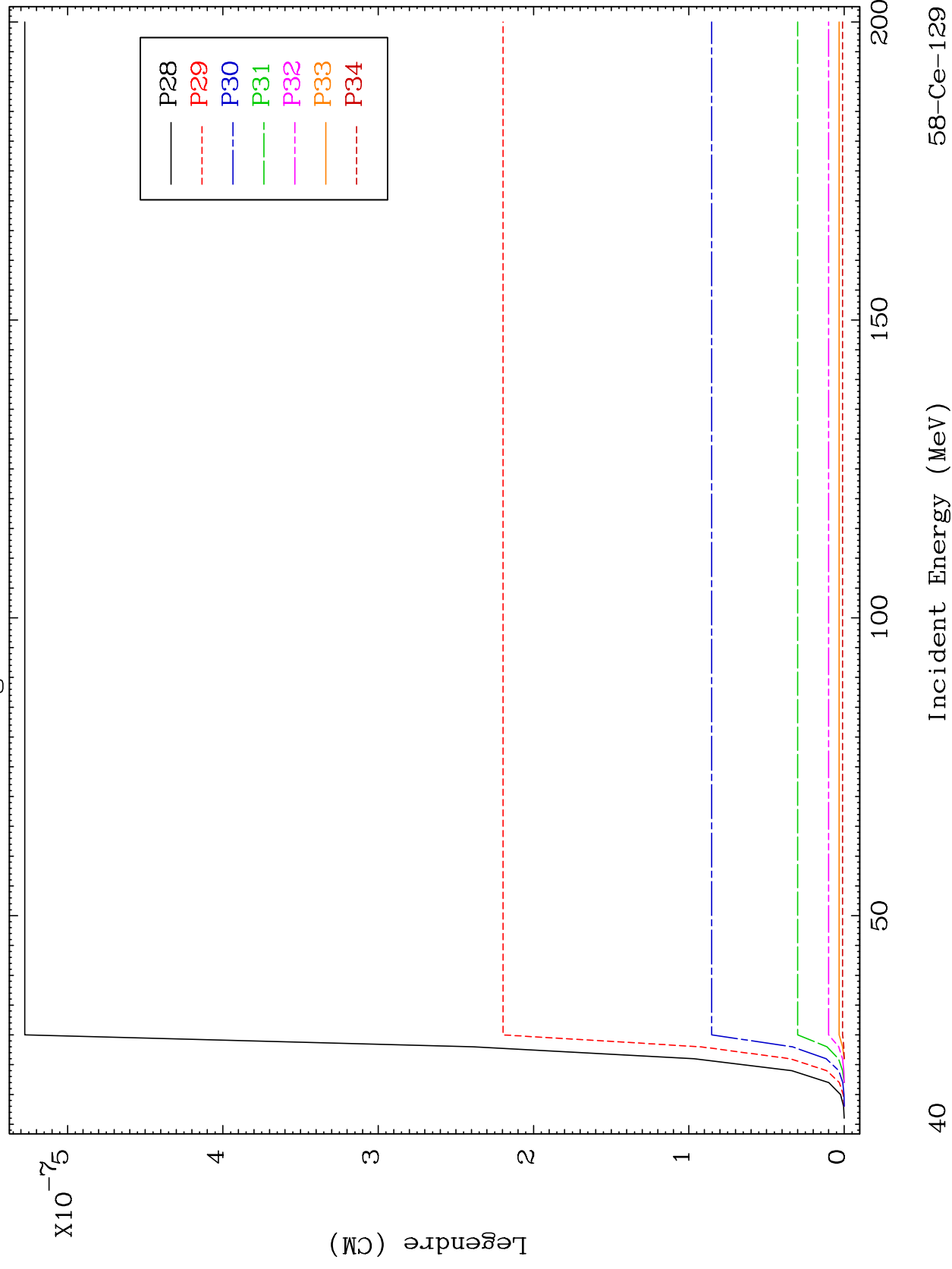




MAT 5804

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

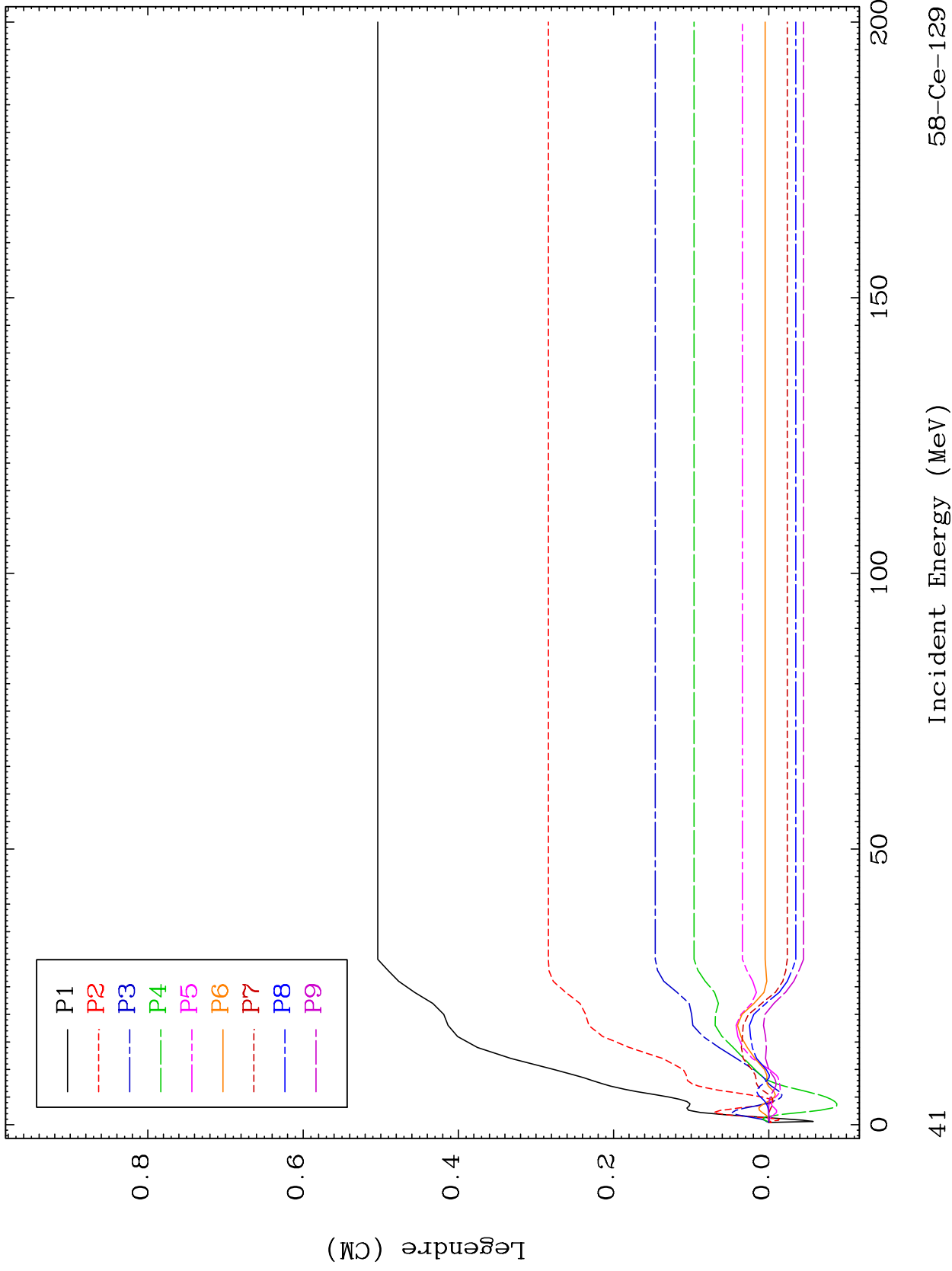
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MAT 5804

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

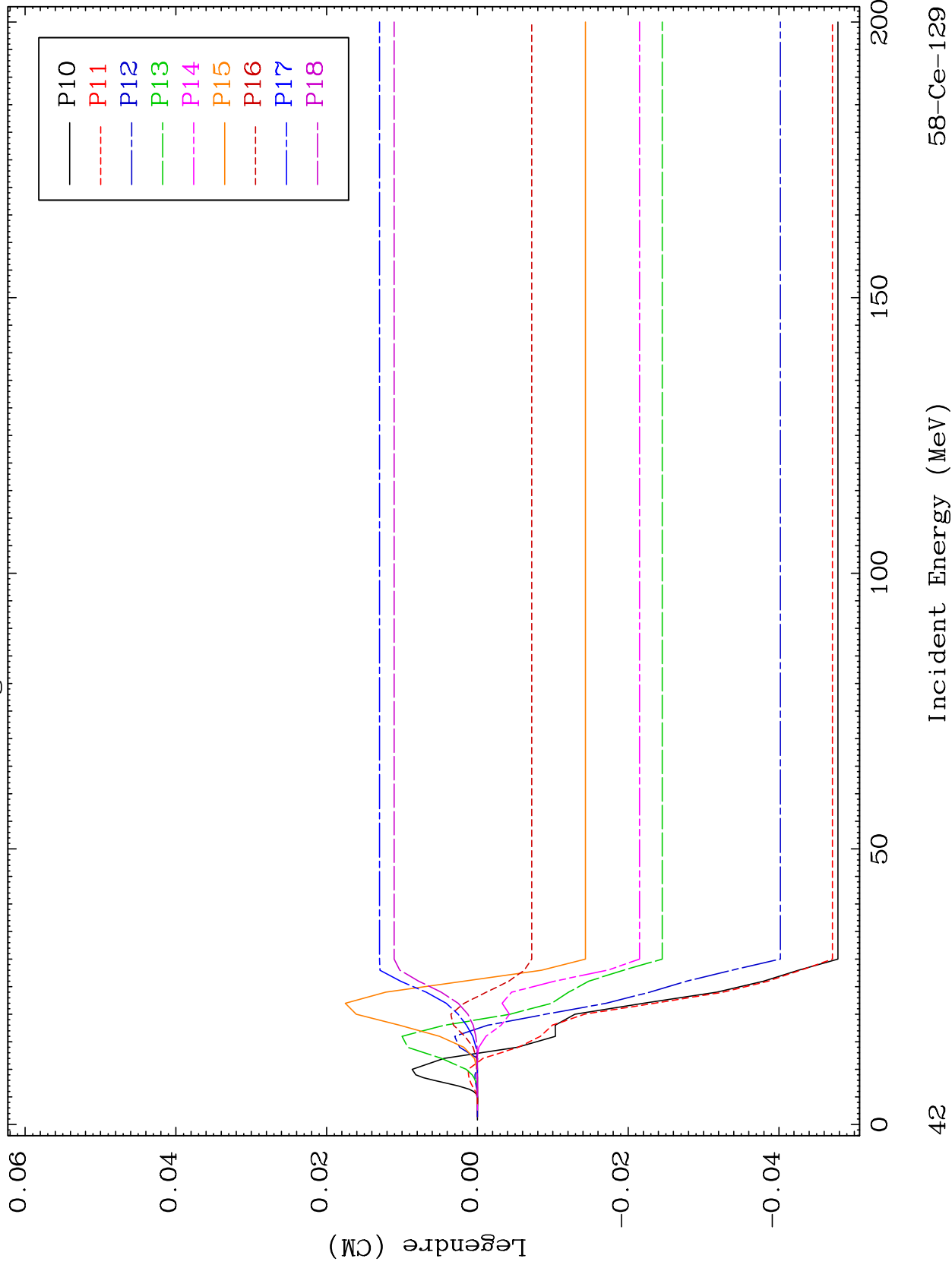
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MAT 5804

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

58-Ce-129



58-Ce-129

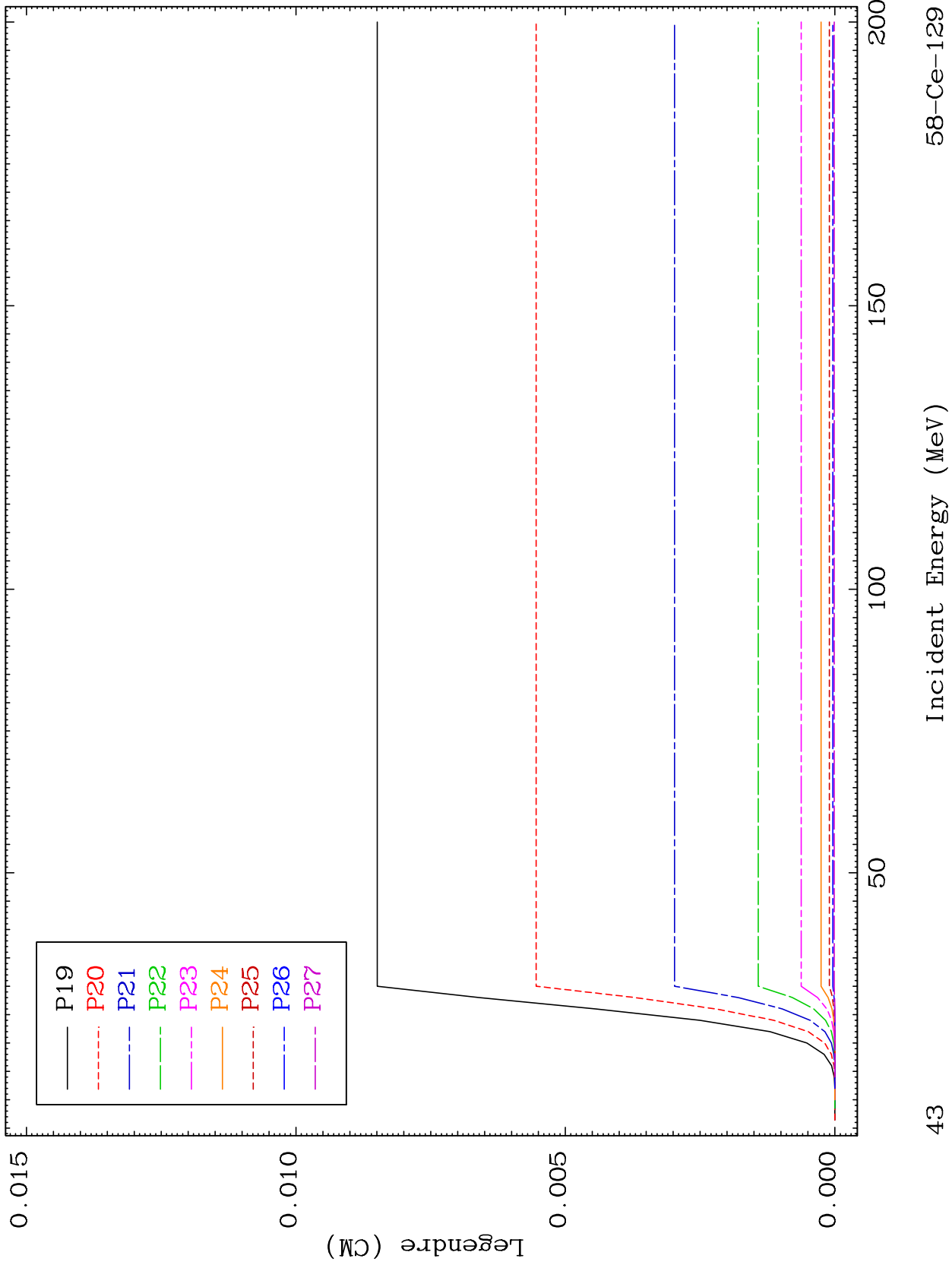
Incident Energy (MeV)

42

MAT 5804

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

58-Ce-129



43

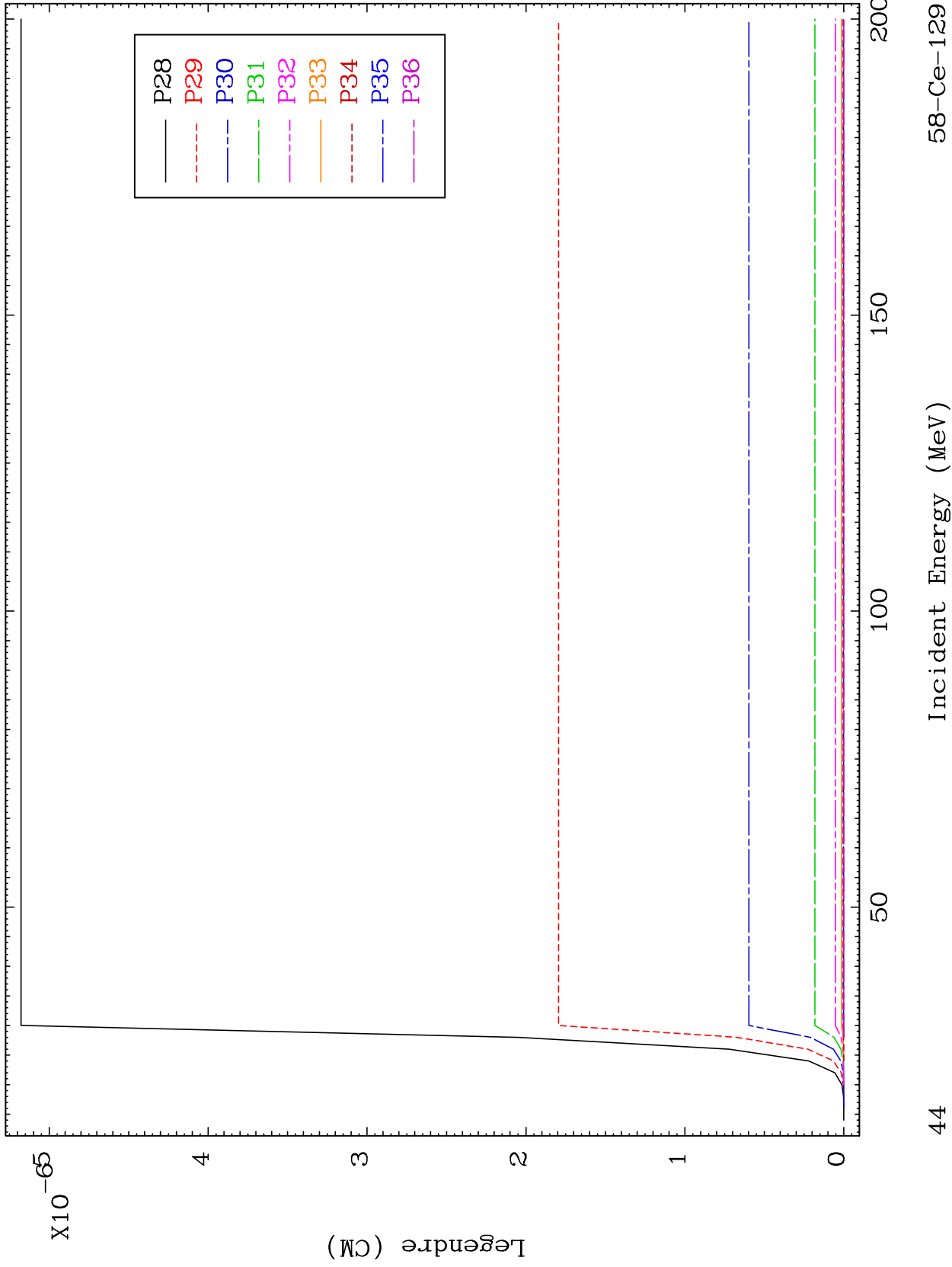
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

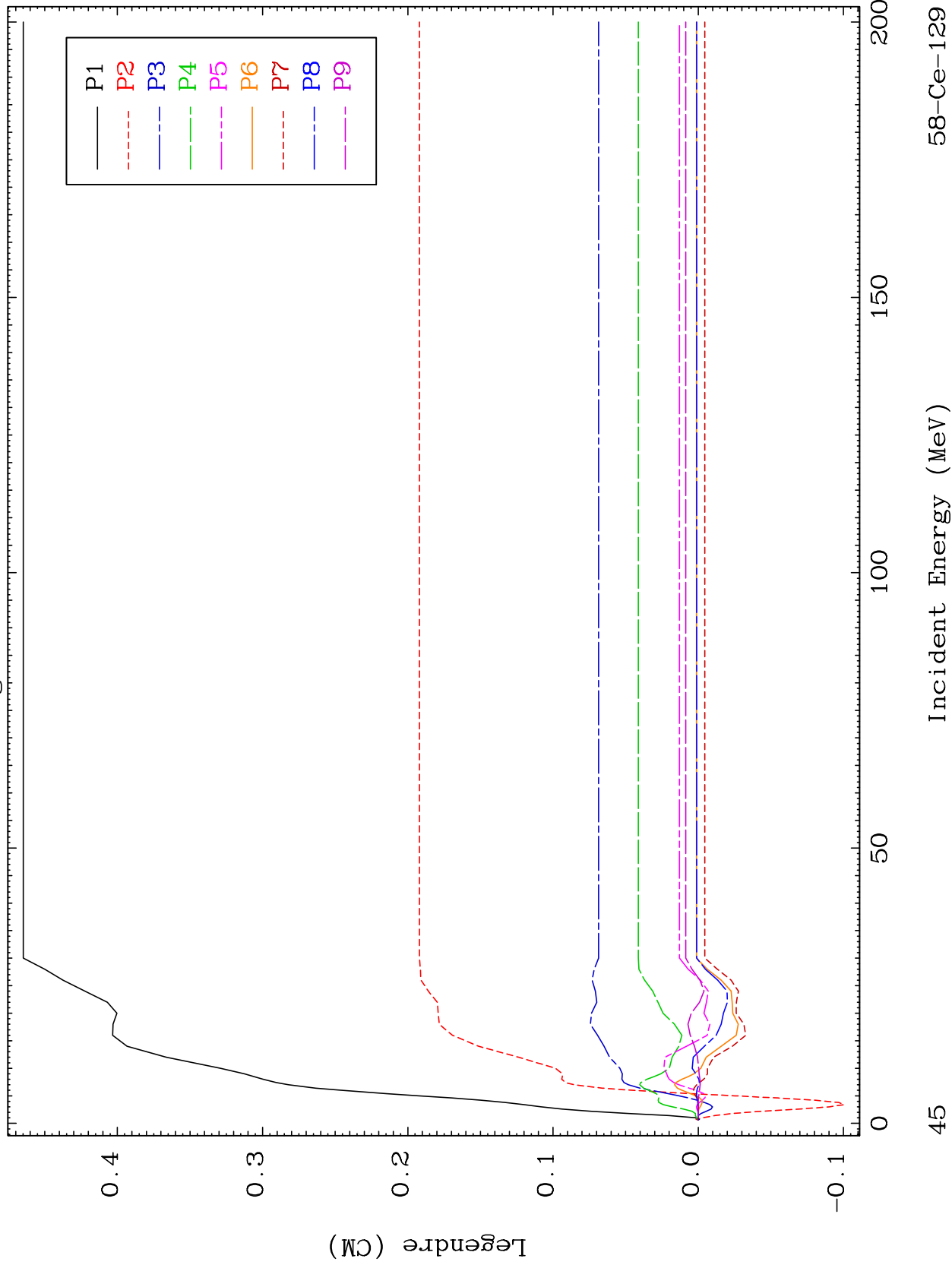
58-Ce-129



MAT 5804

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

58-Ce-129

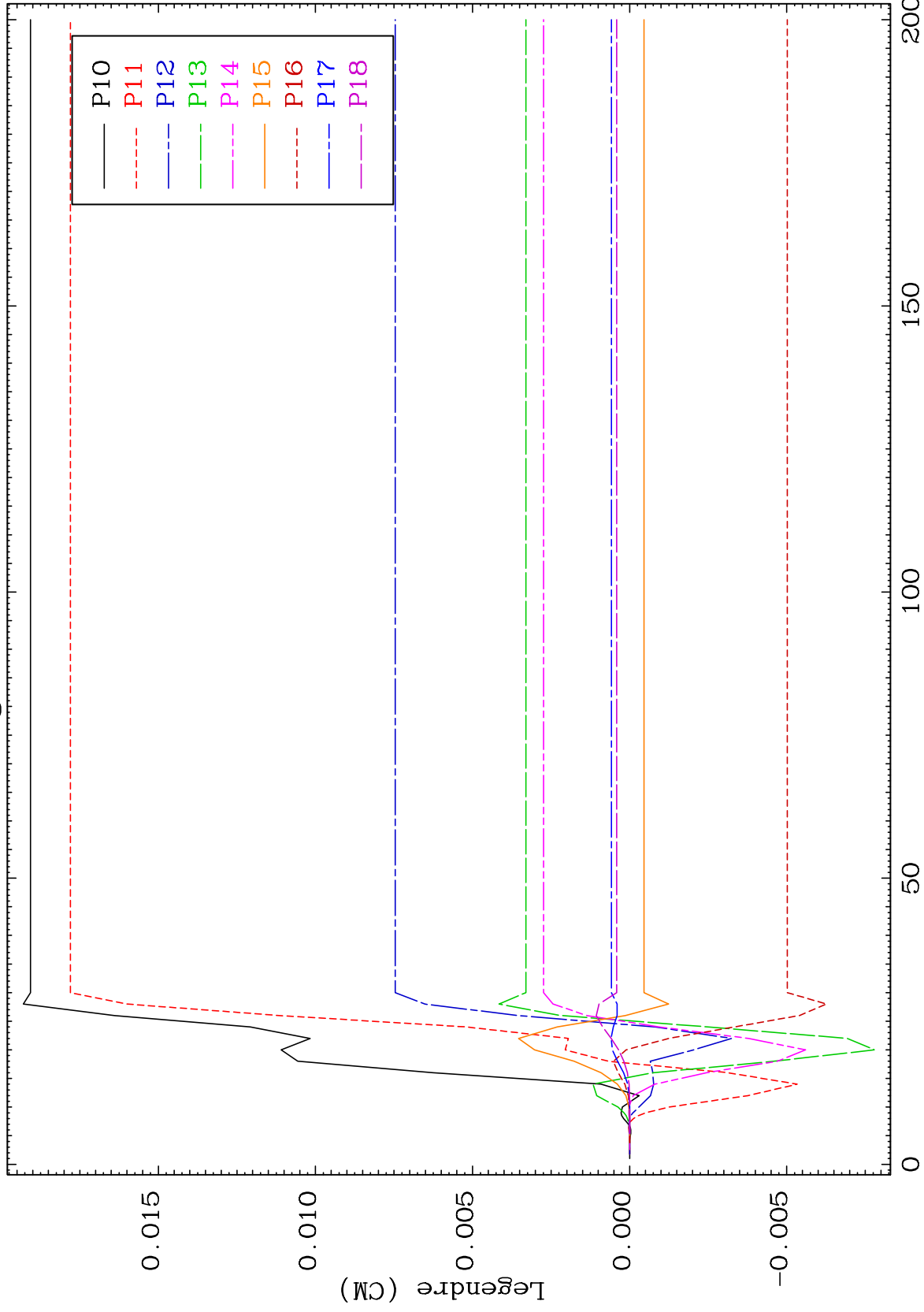


58-Ce-129

MAT 5804

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

58-Ce-129



46

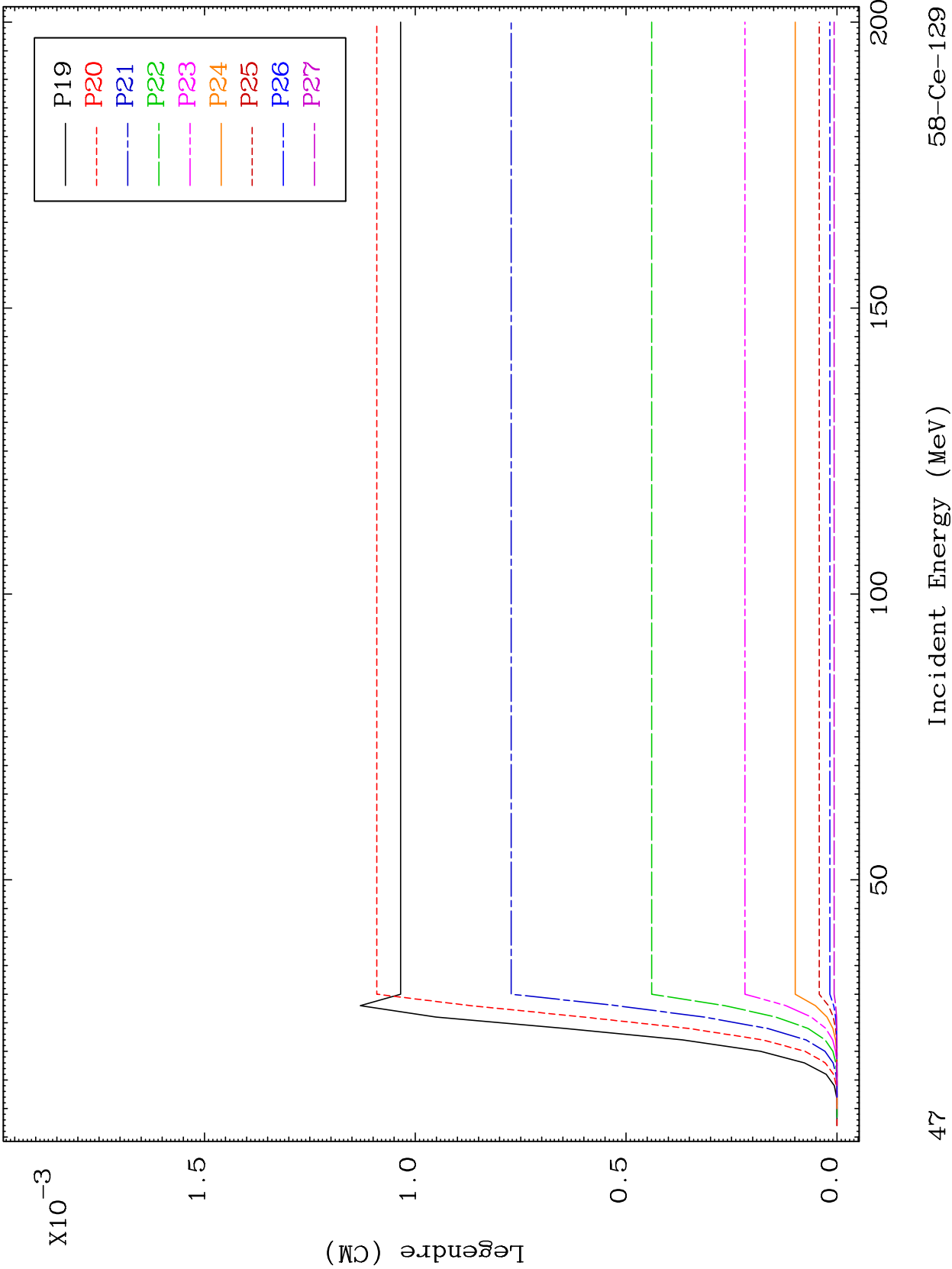
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



47

Incident Energy (MeV)

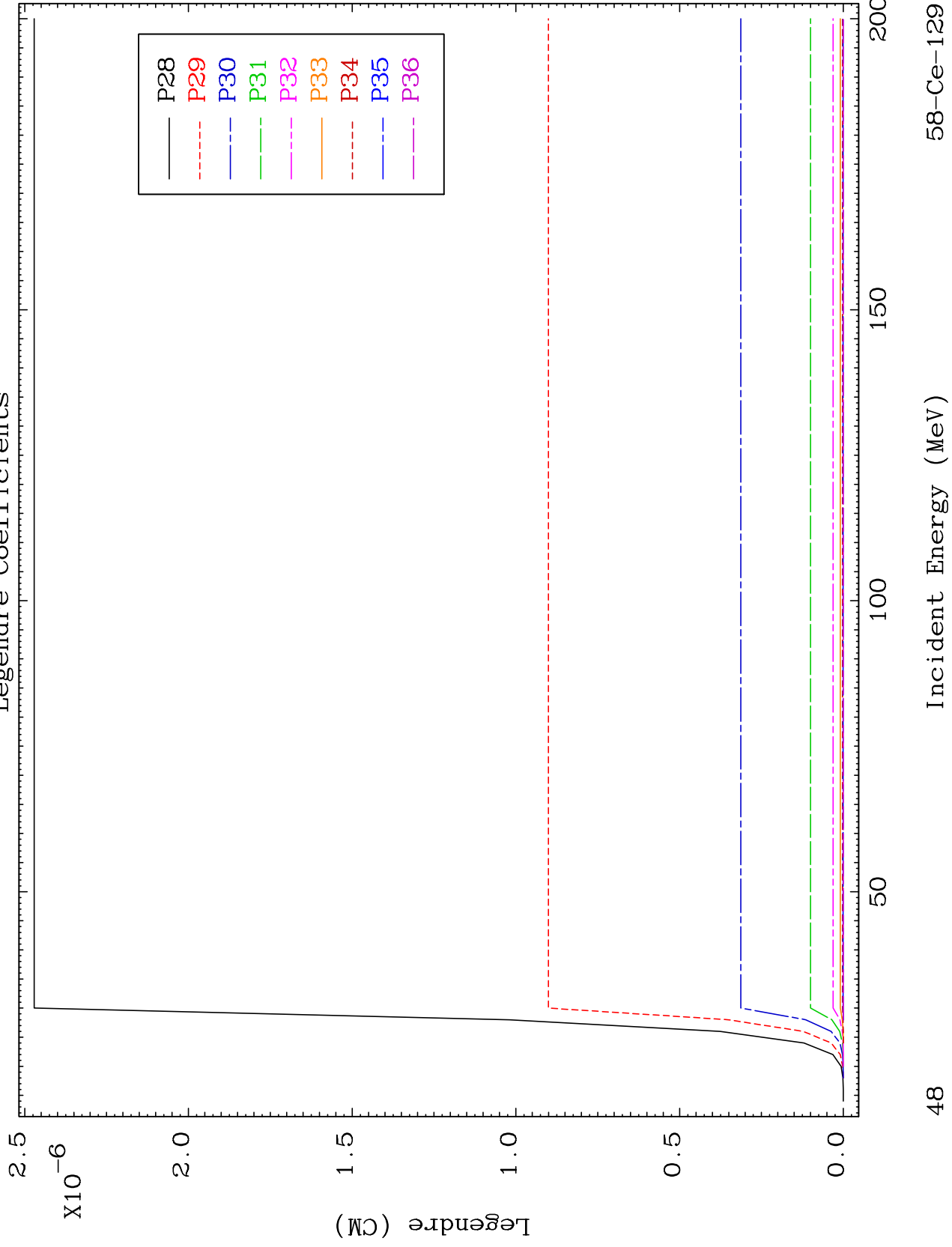
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MAT 5804

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

58-Ce-129



48

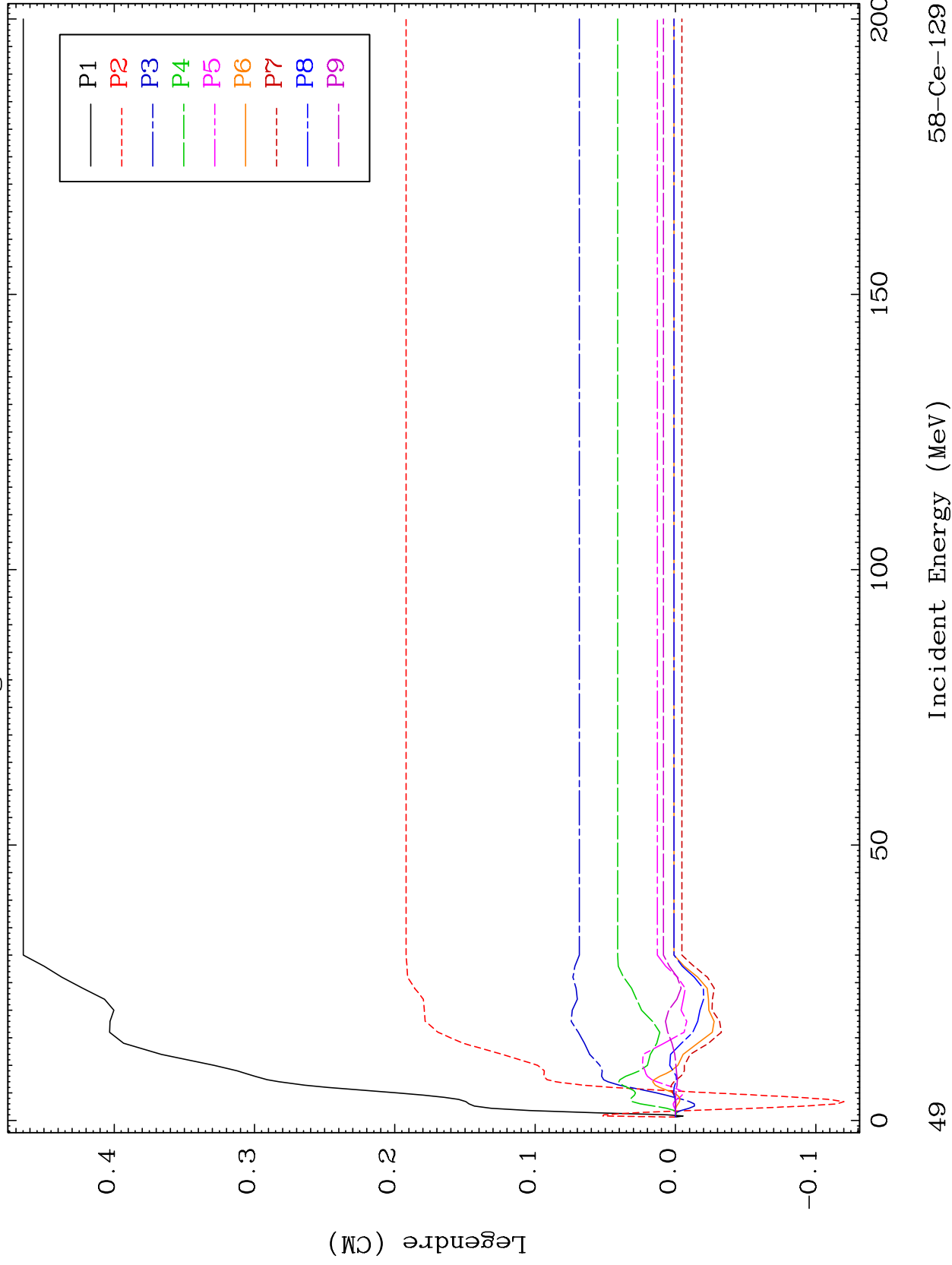
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

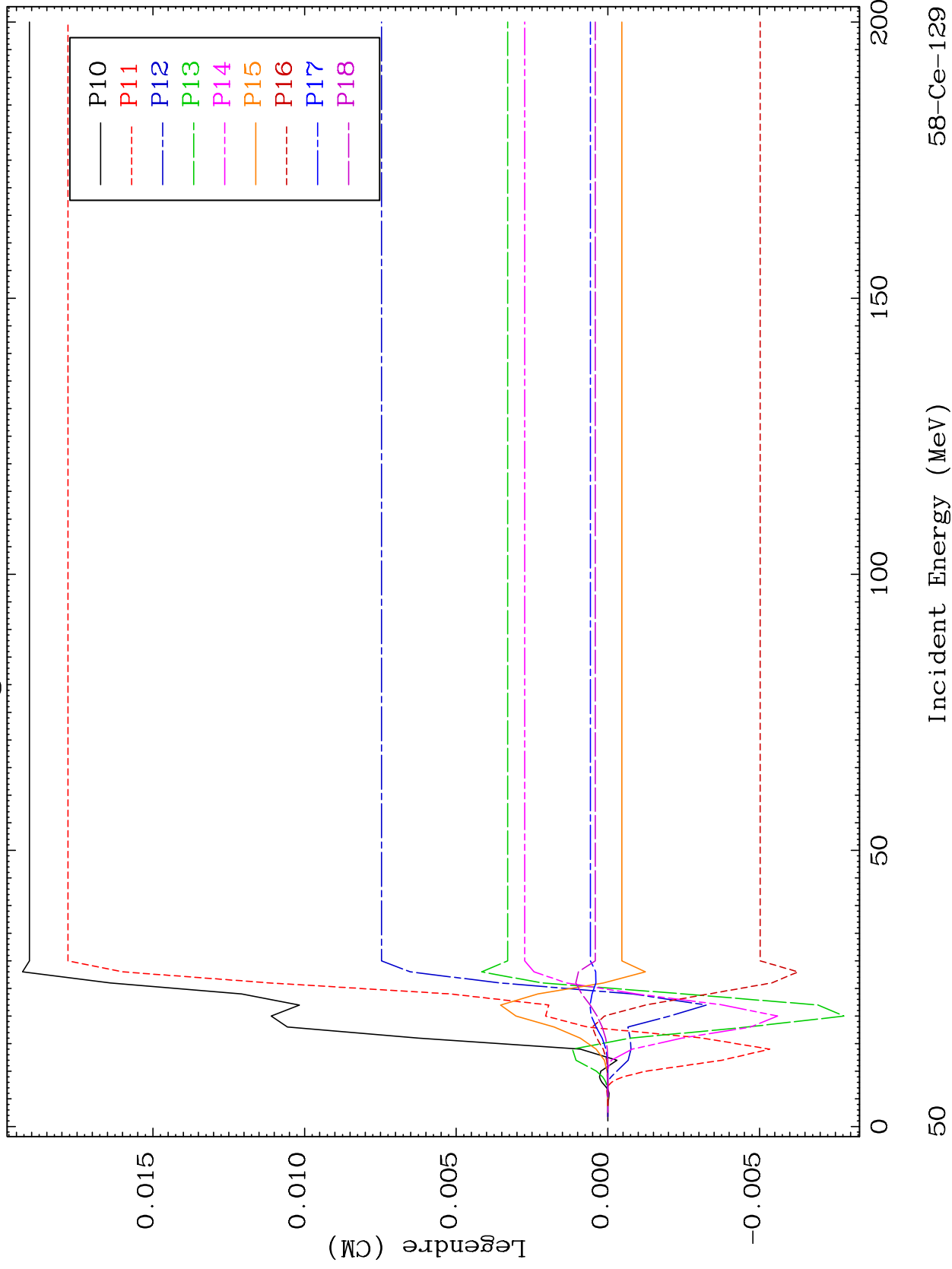
Incident Energy (MeV)

49

MAT 5804

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

58-Ce-129



58-Ce-129

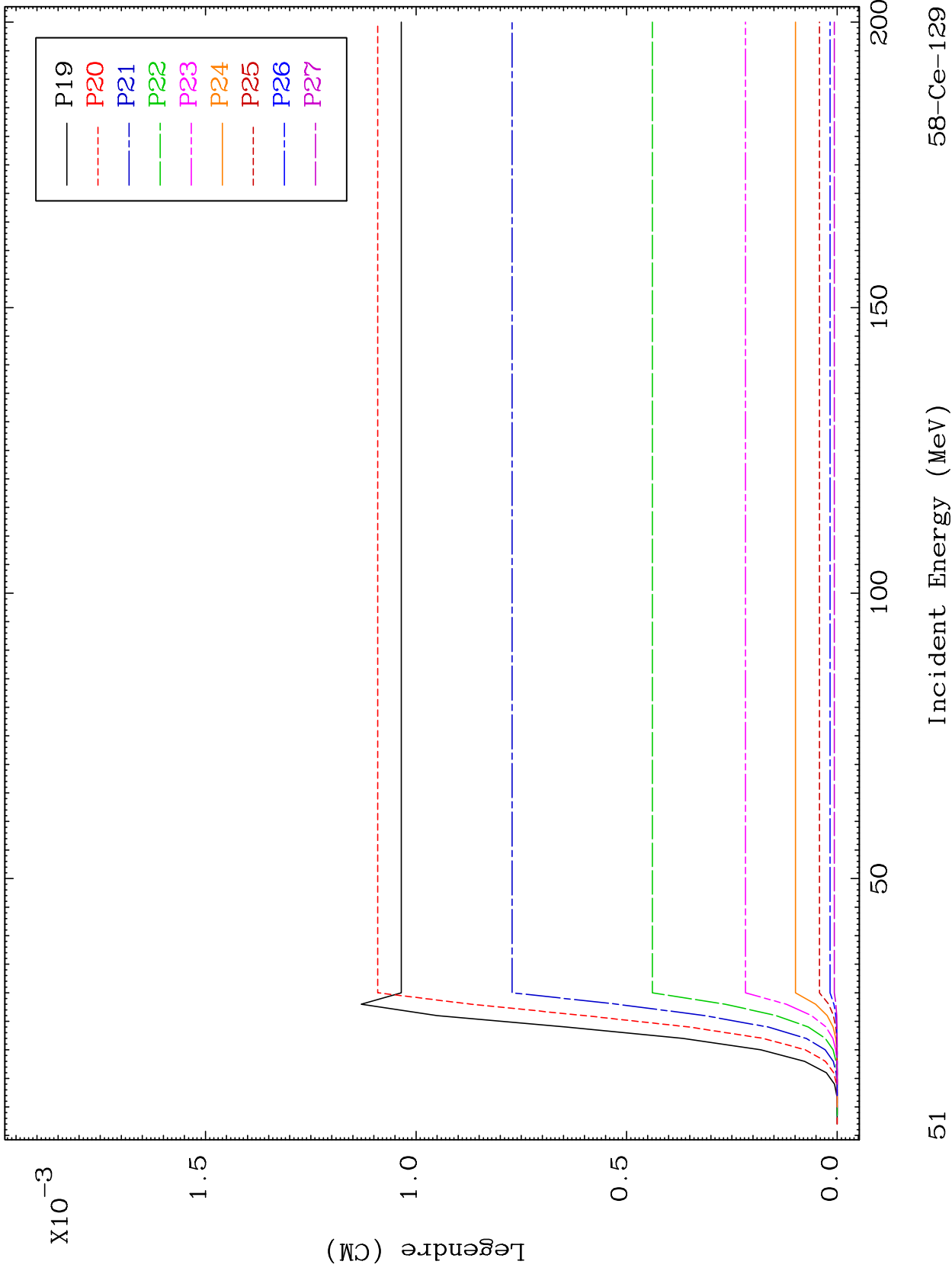
Incident Energy (MeV)

50

MAT 5804

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

58-Ce-129

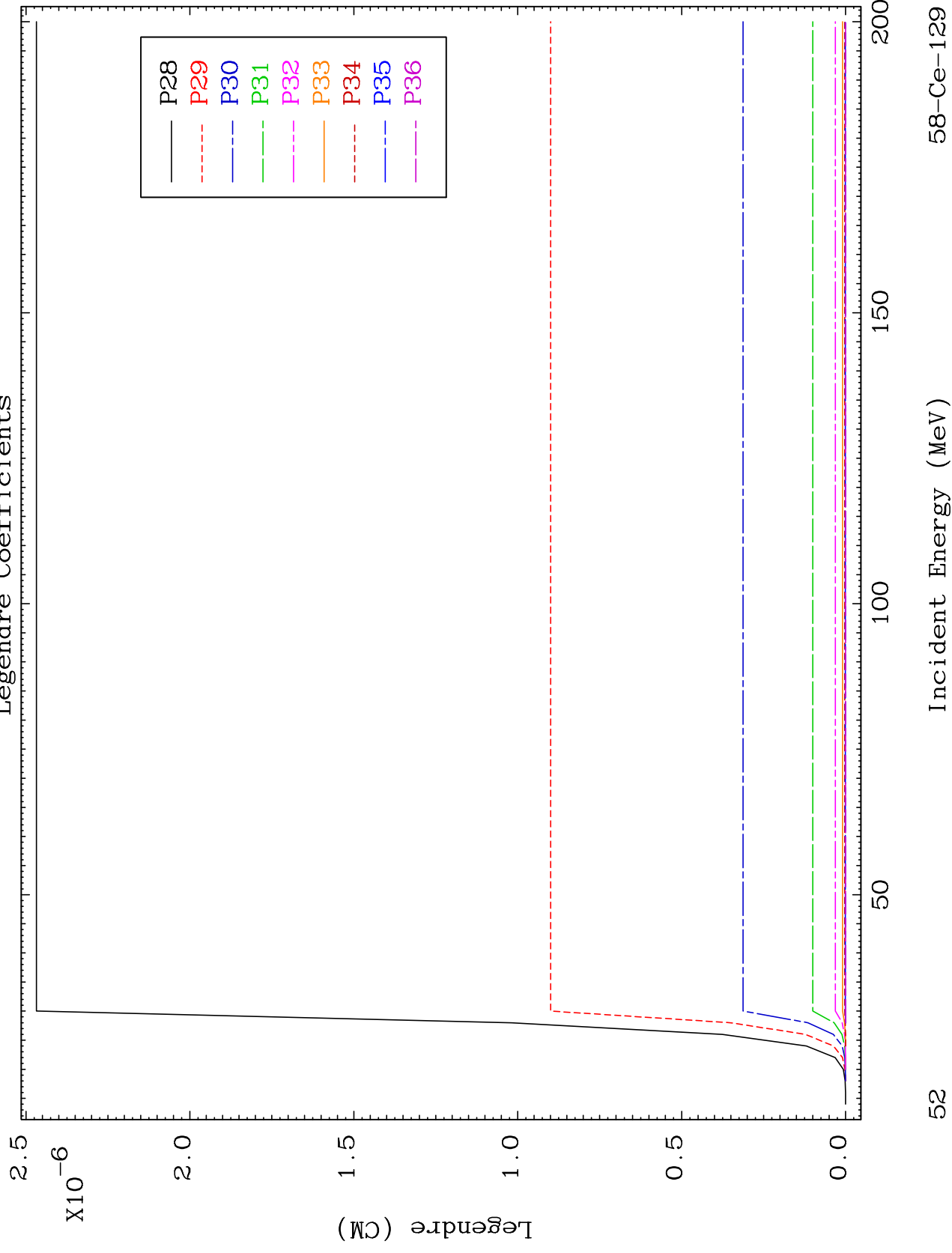


51

MAT 5804

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

58-Ce-129



52

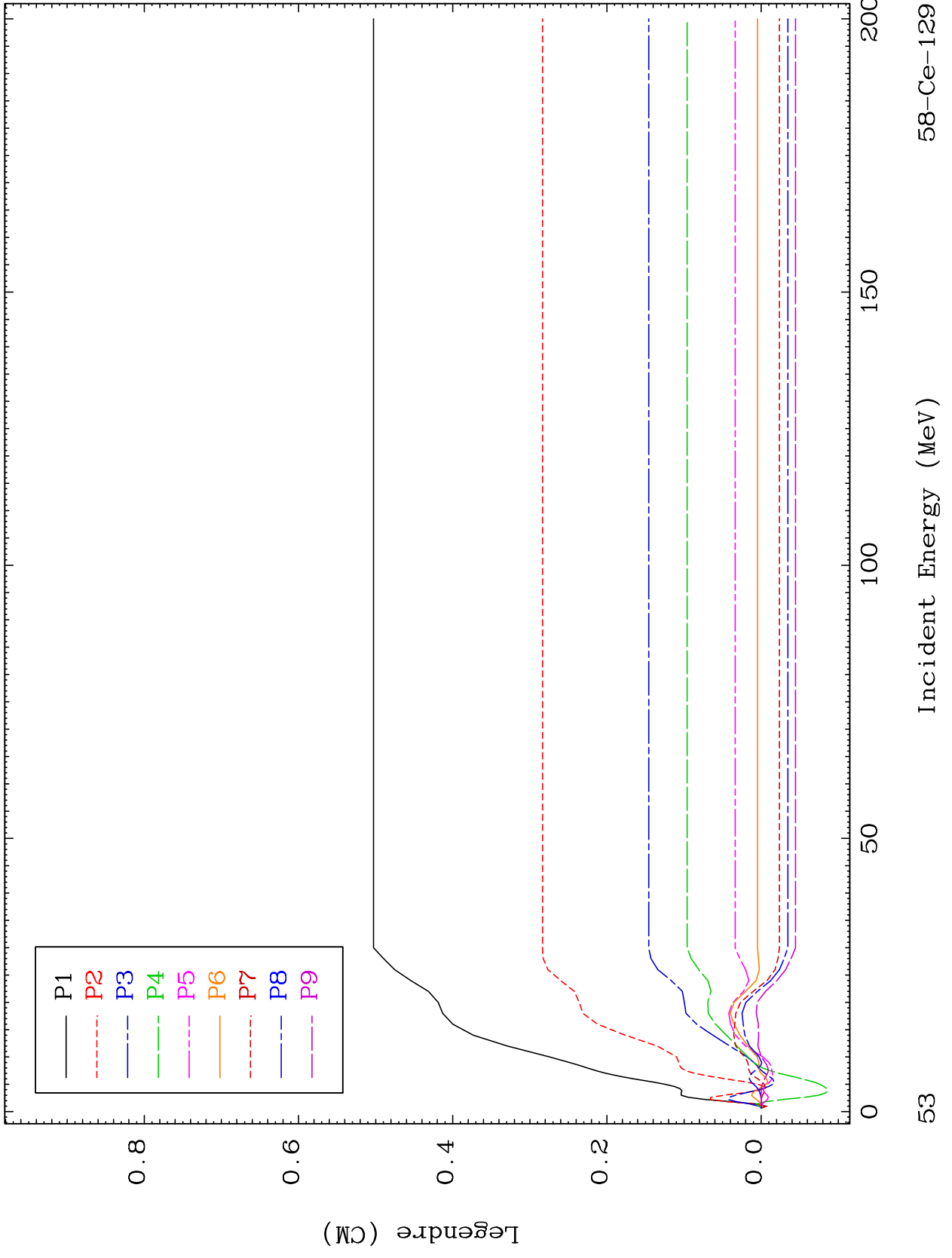
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



53

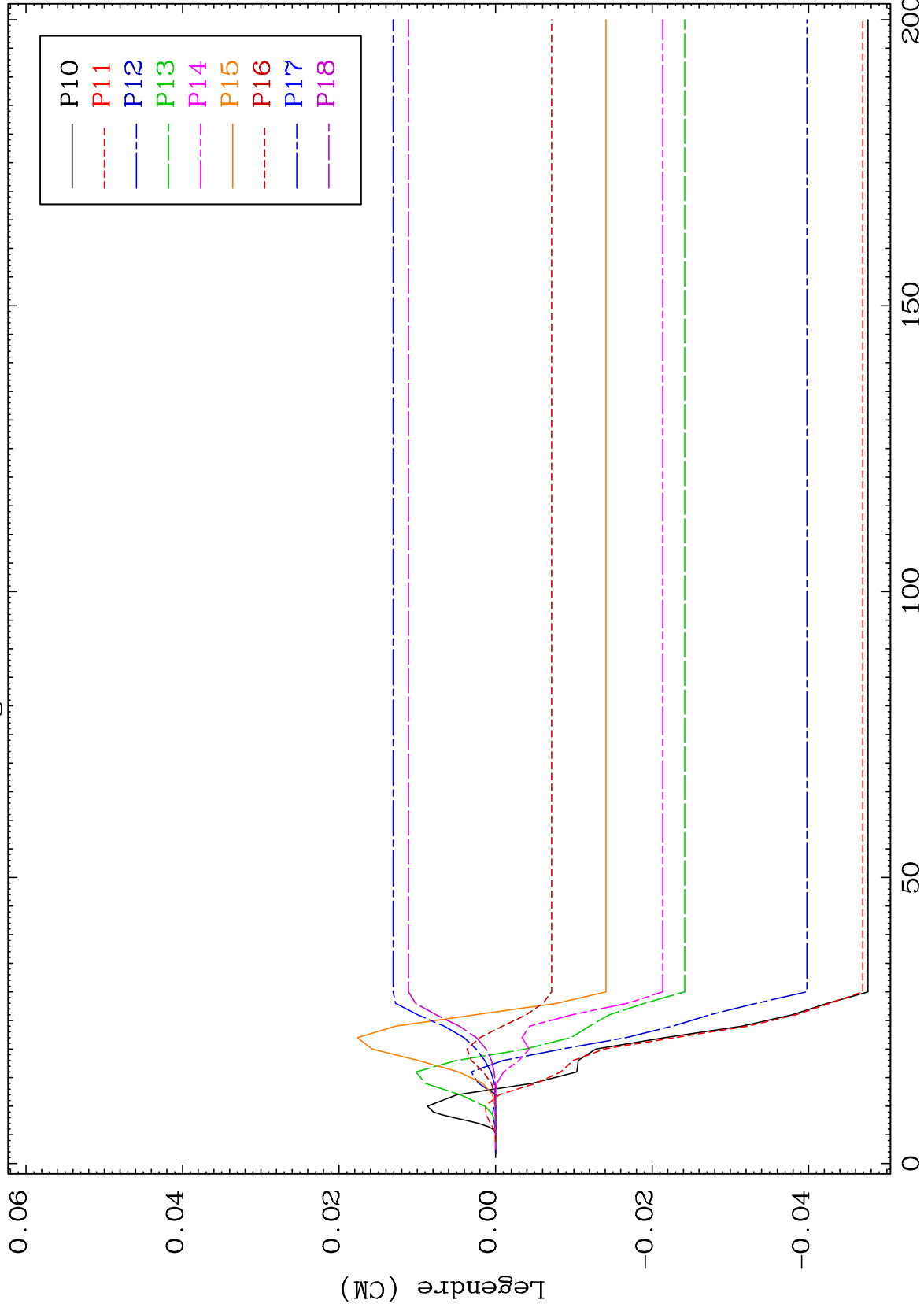
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



54

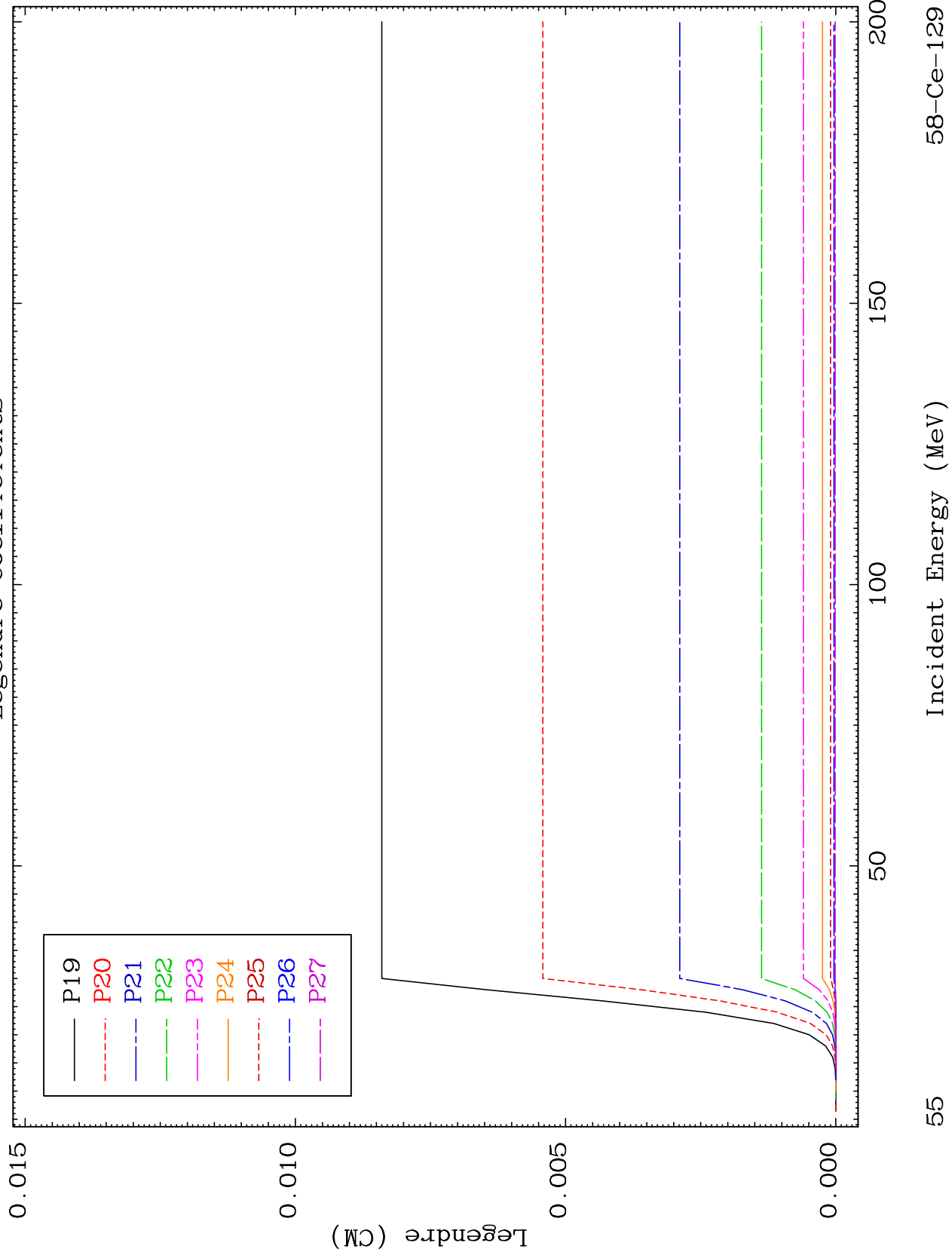
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



55

Incident Energy (MeV)

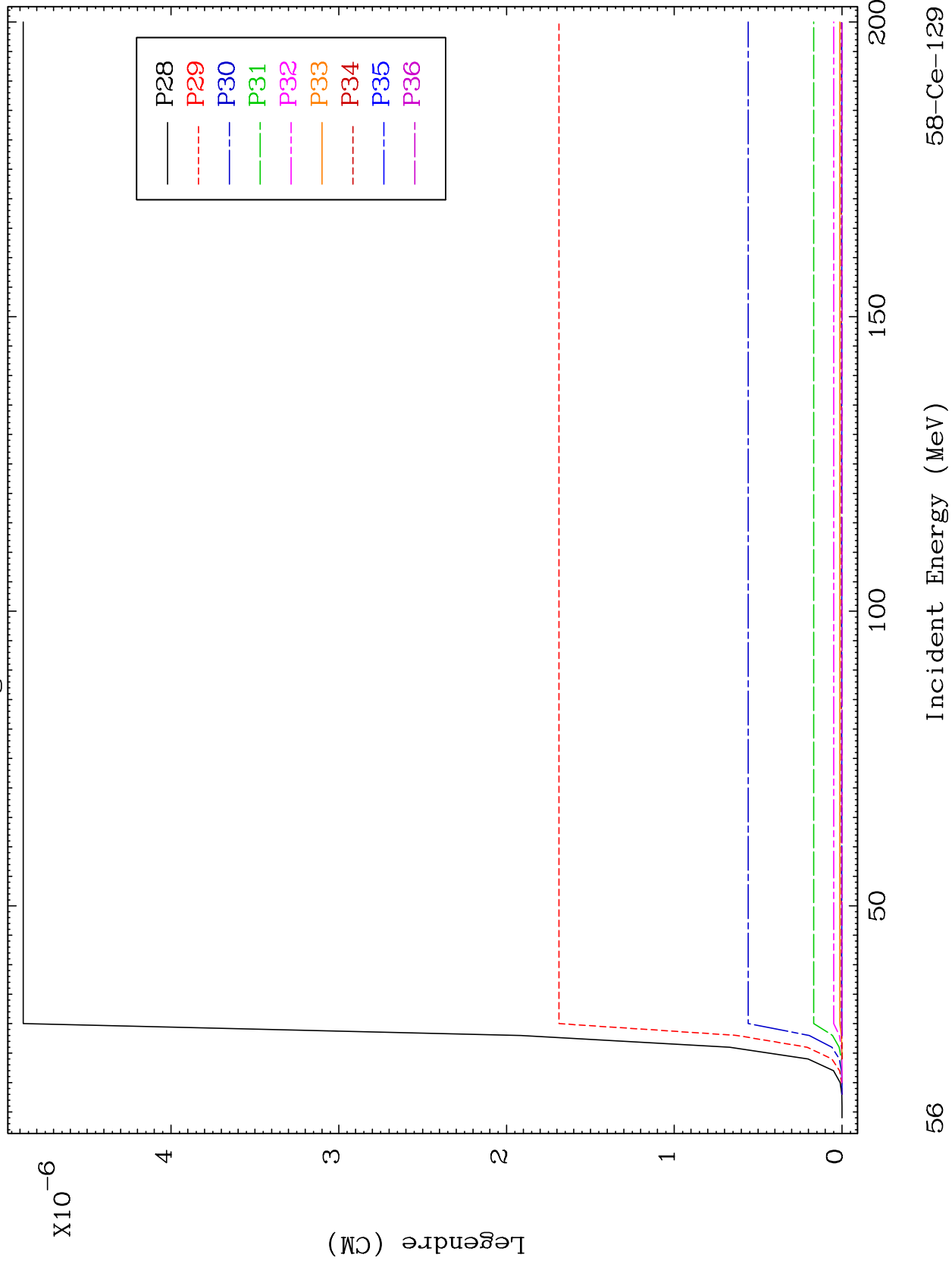
58-Ce-129



MAT 5804

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

58-Ce-129



56

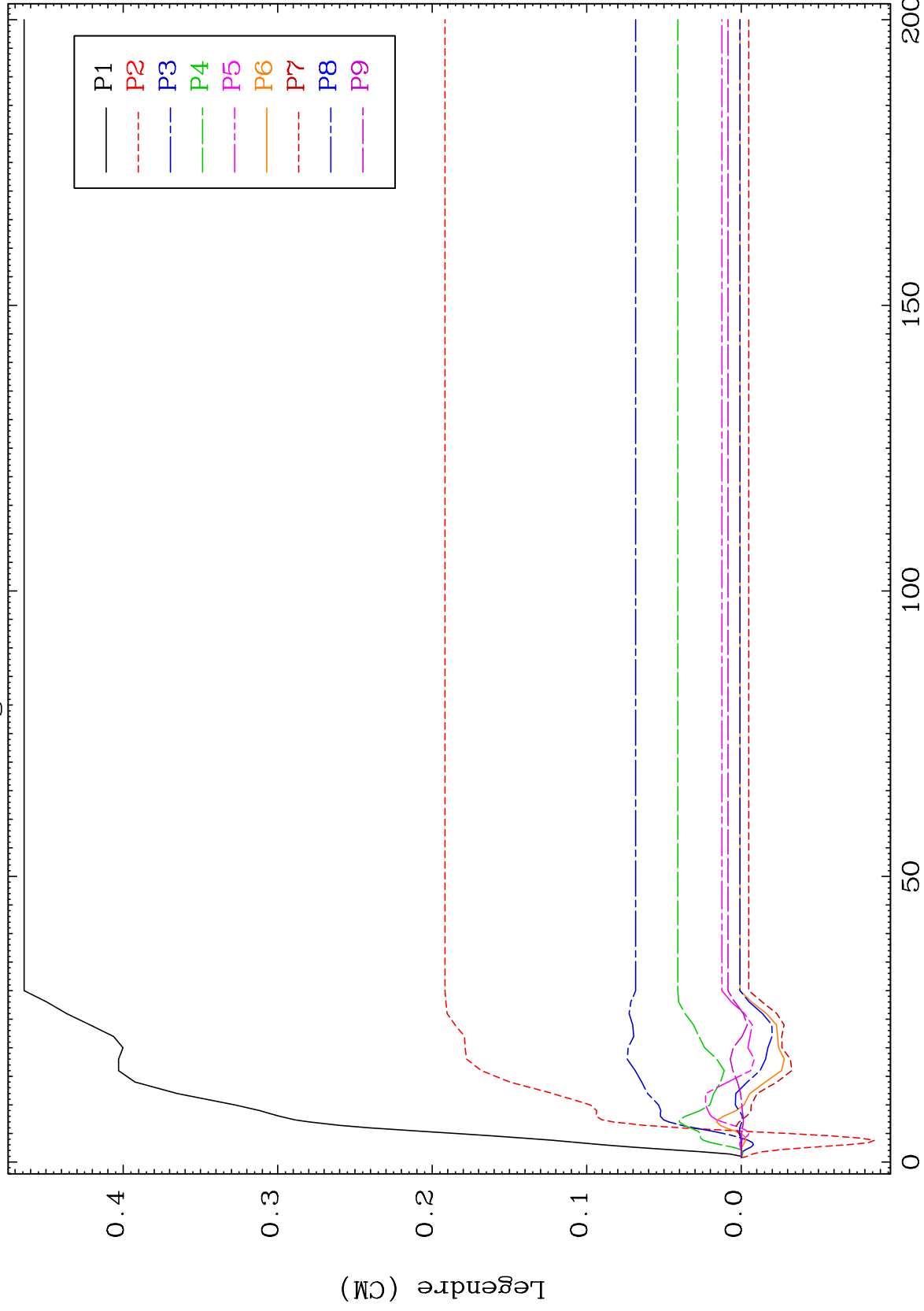
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



57

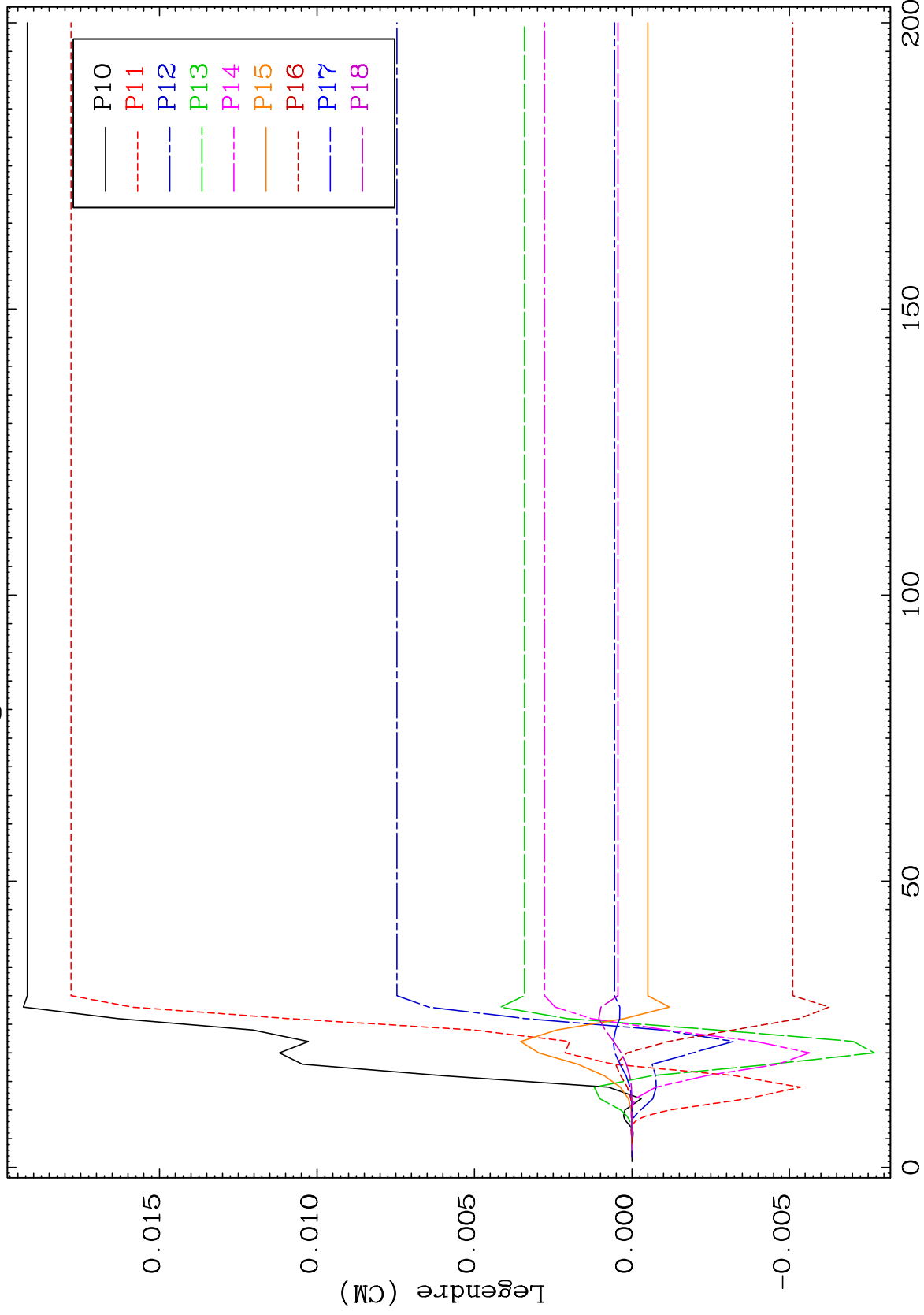
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58

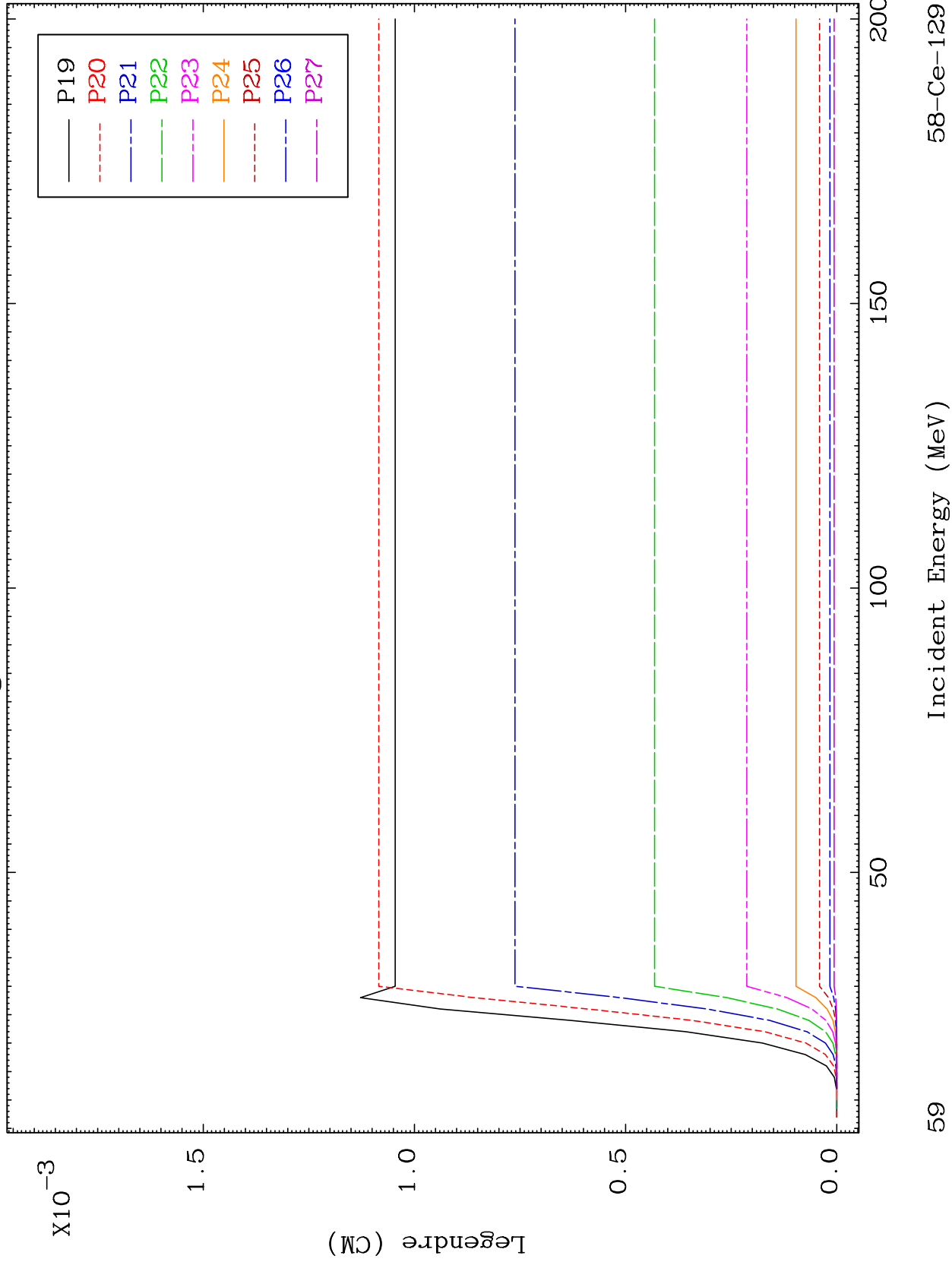
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129

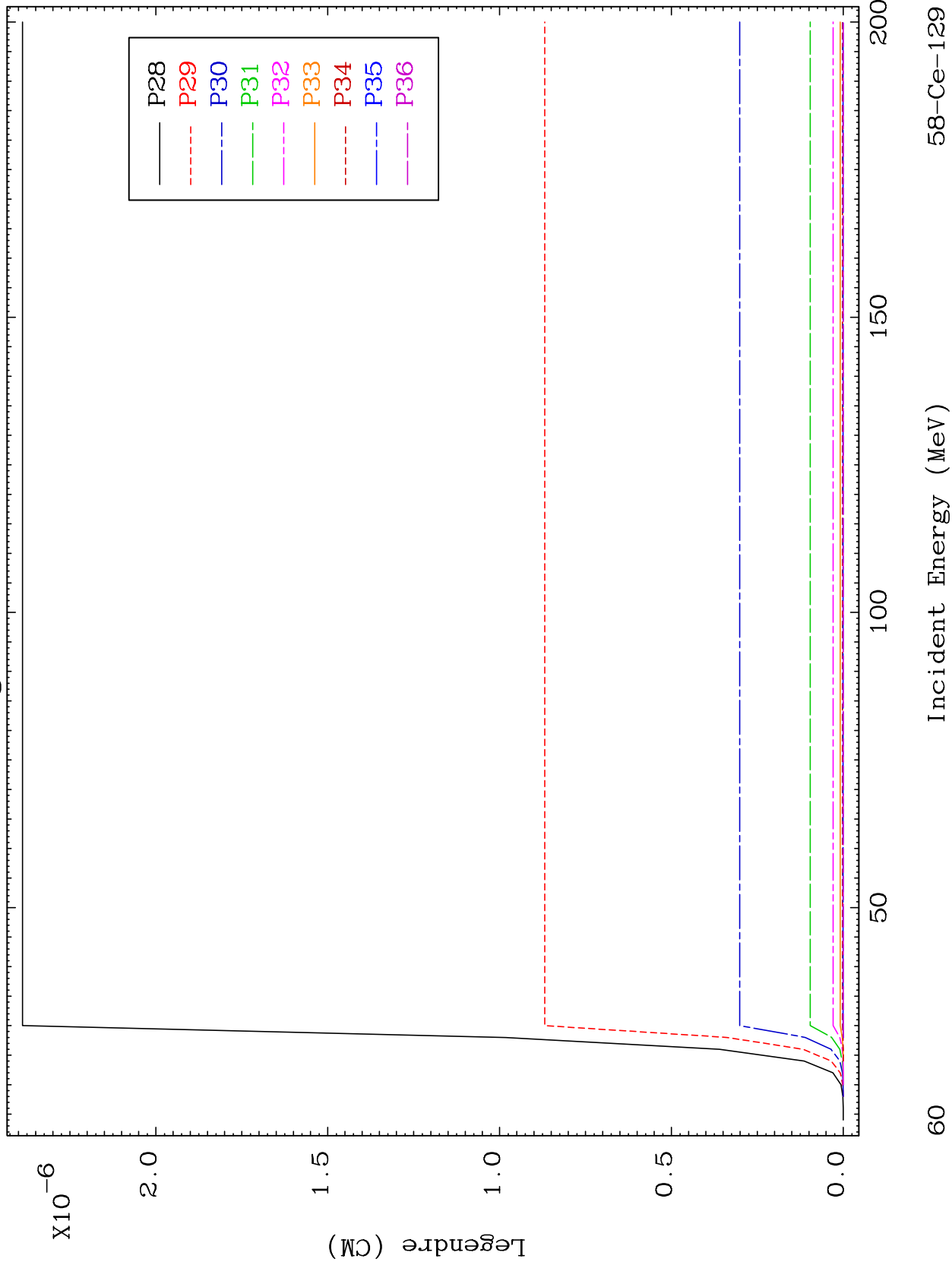


59

MAT 5804

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

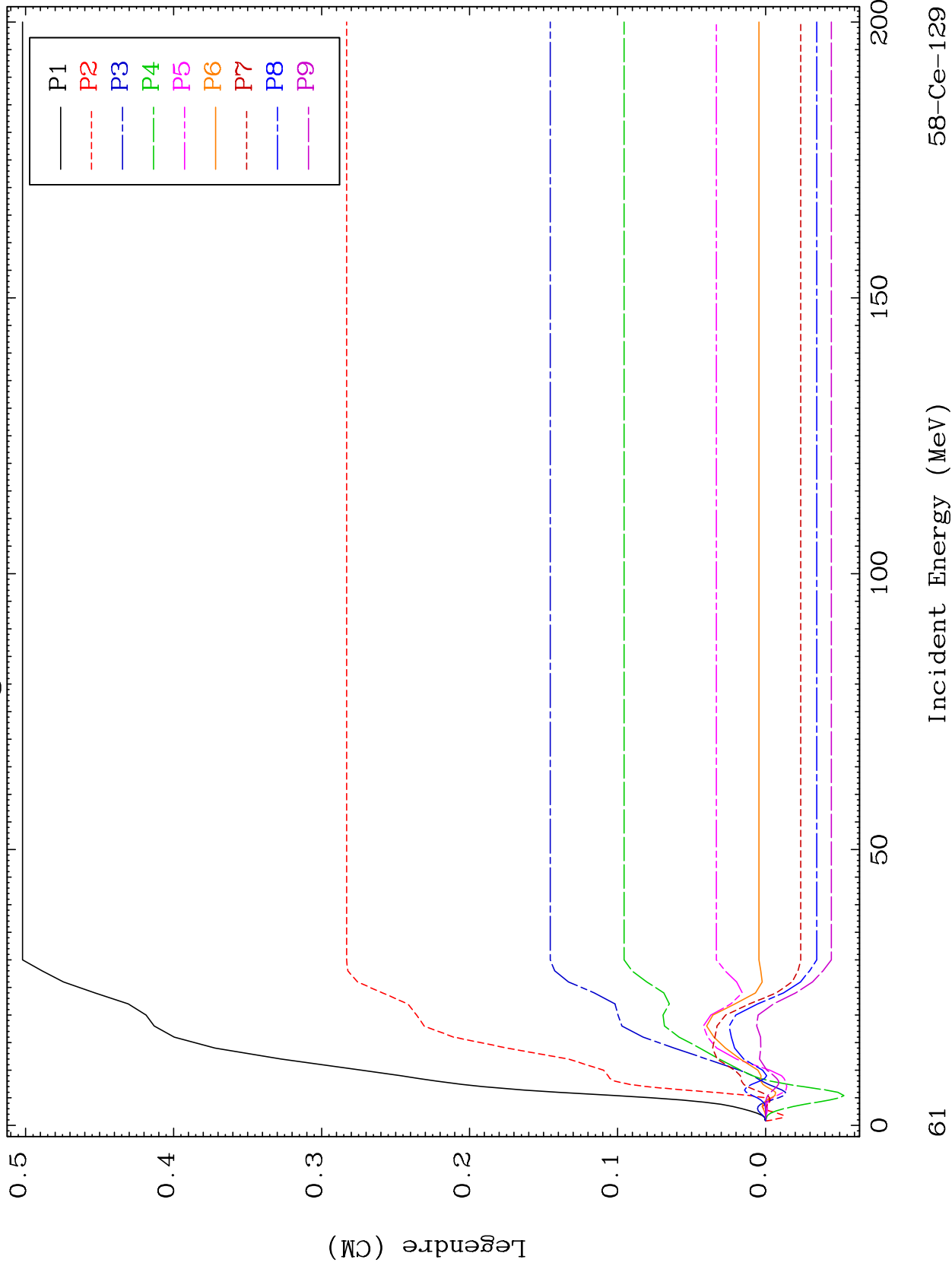
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

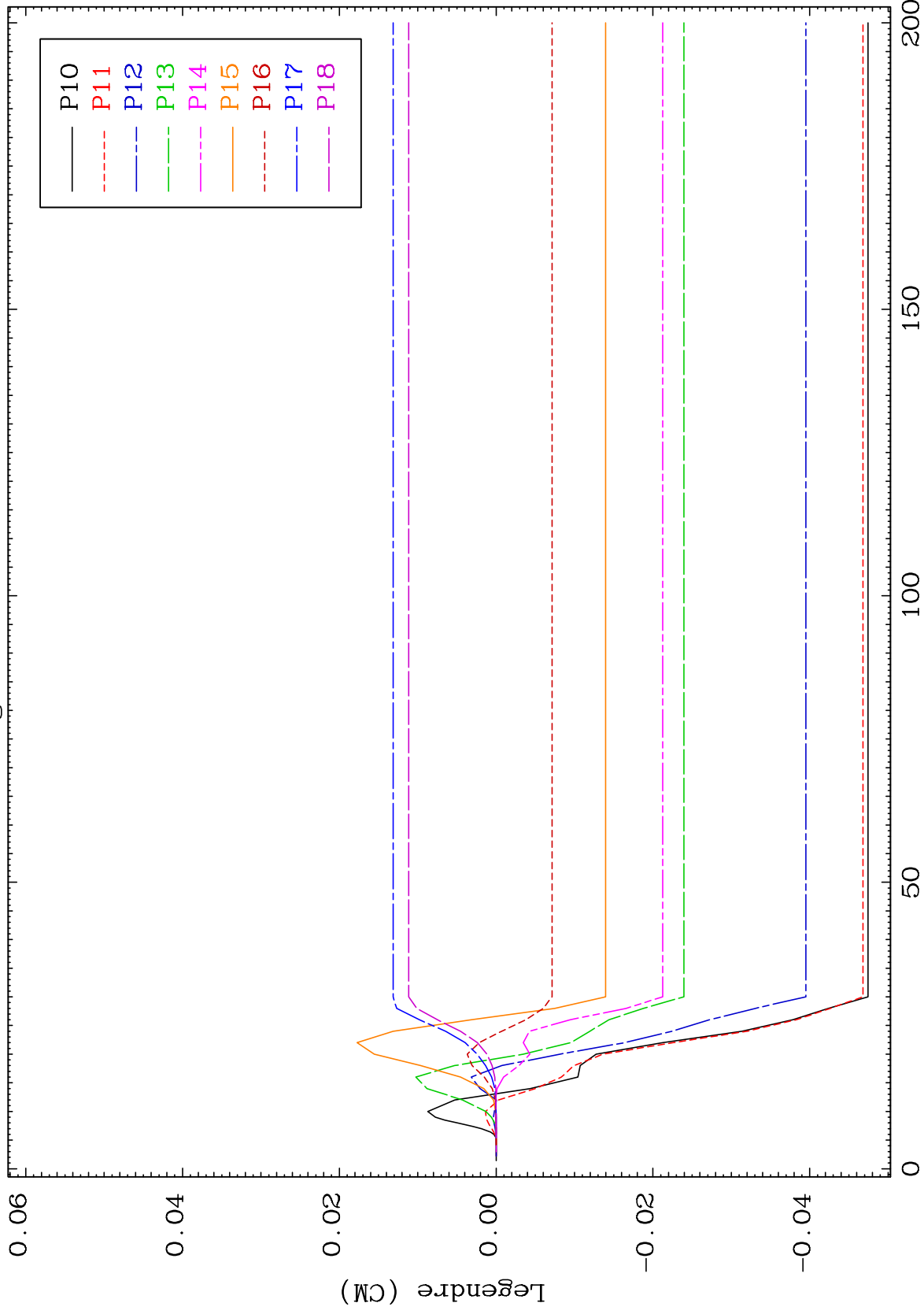
Incident Energy (MeV)

61

MAT 5804

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

58-Ce-129



62

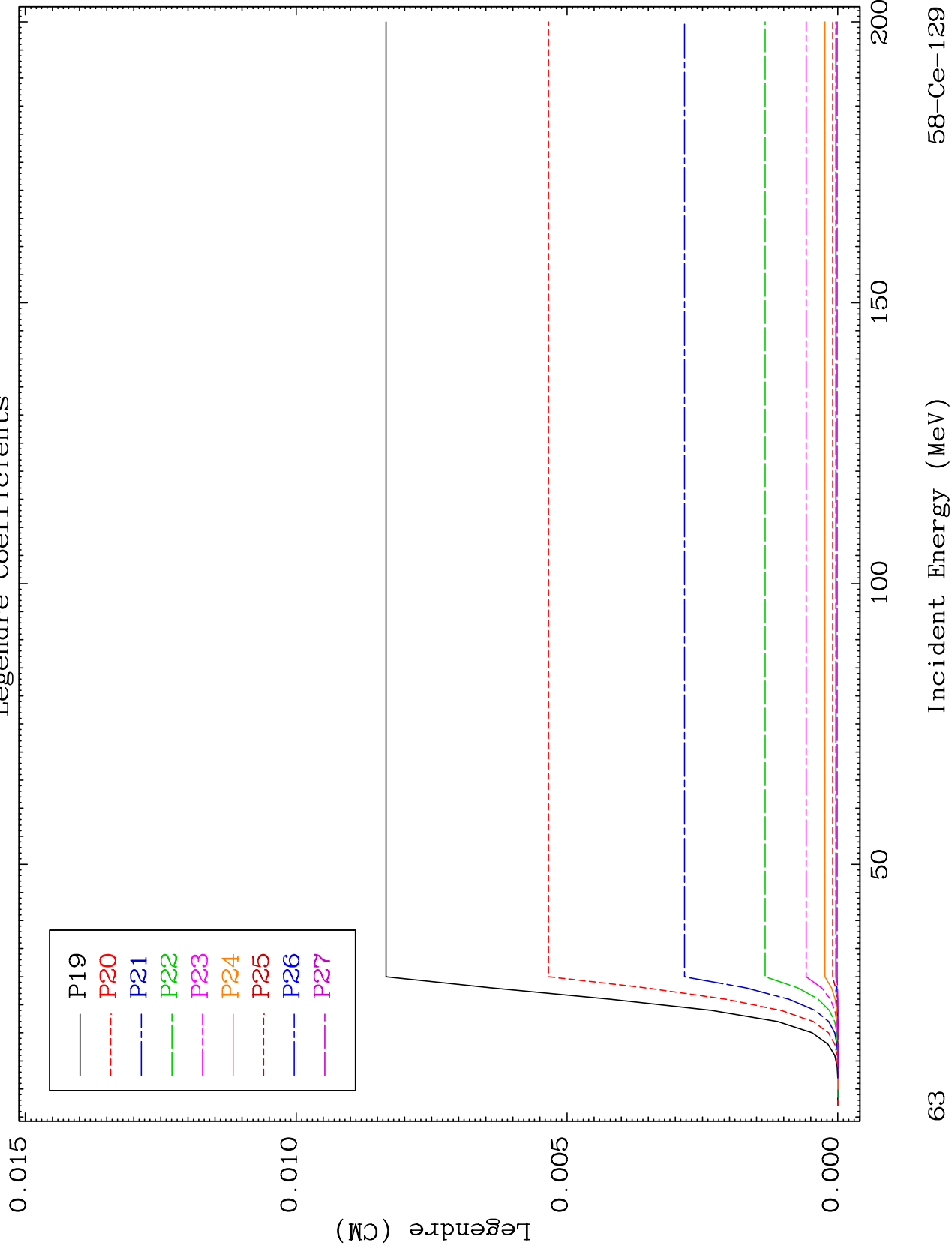
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



63

Incident Energy (MeV)

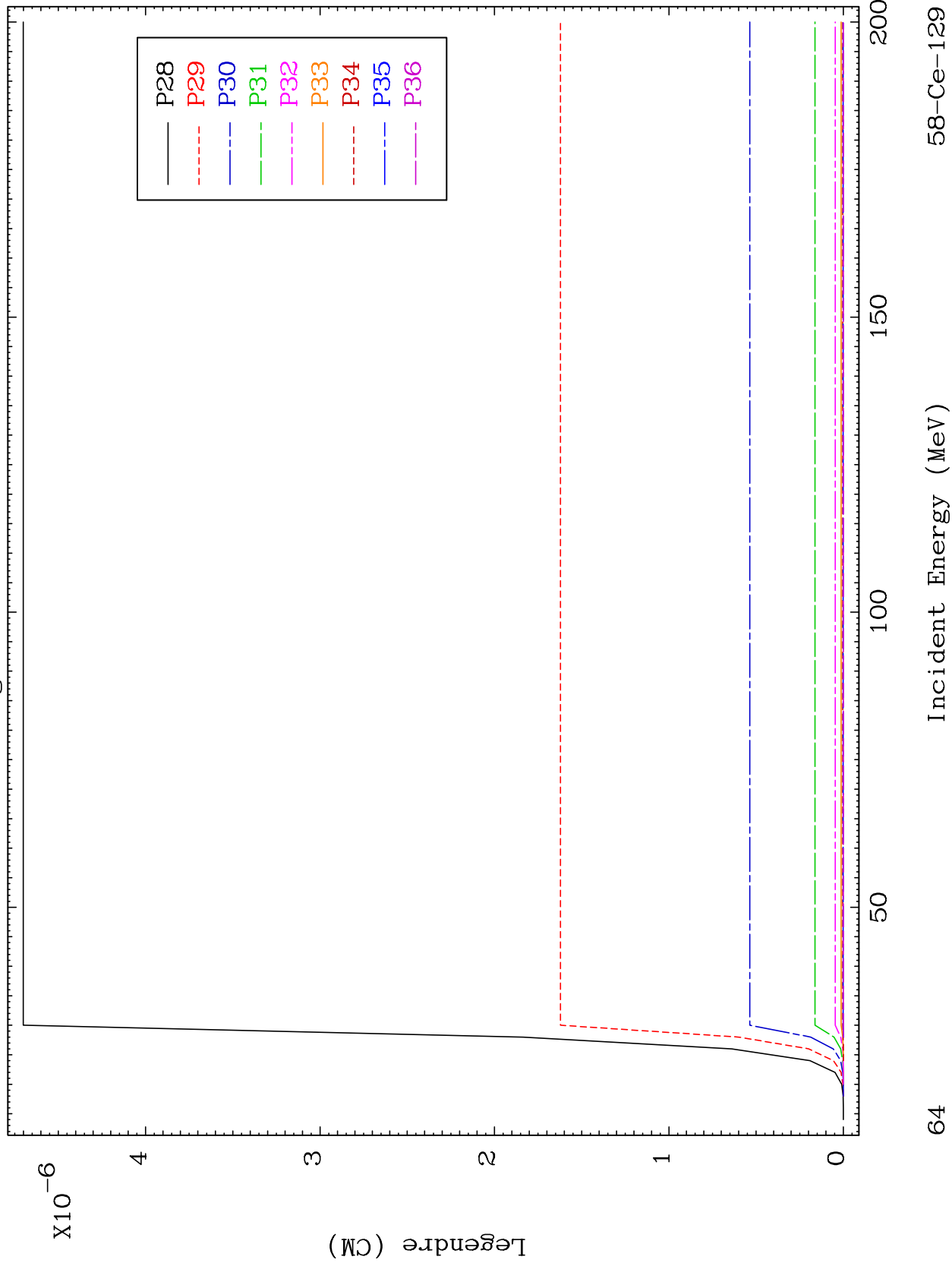
58-Ce-129



MAT 5804

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

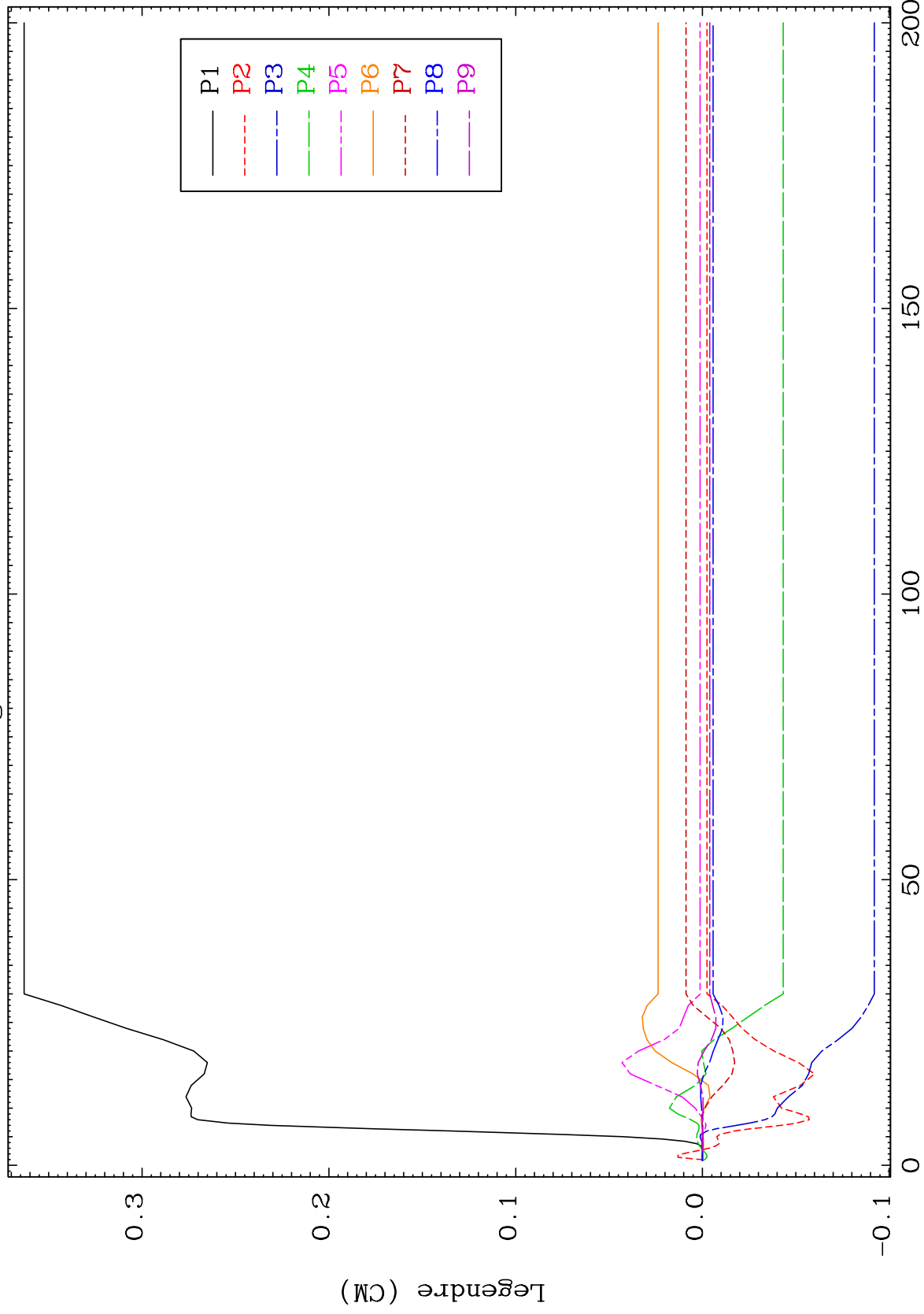
58-Ce-129



MAT 5804

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

58-Ce-129



65

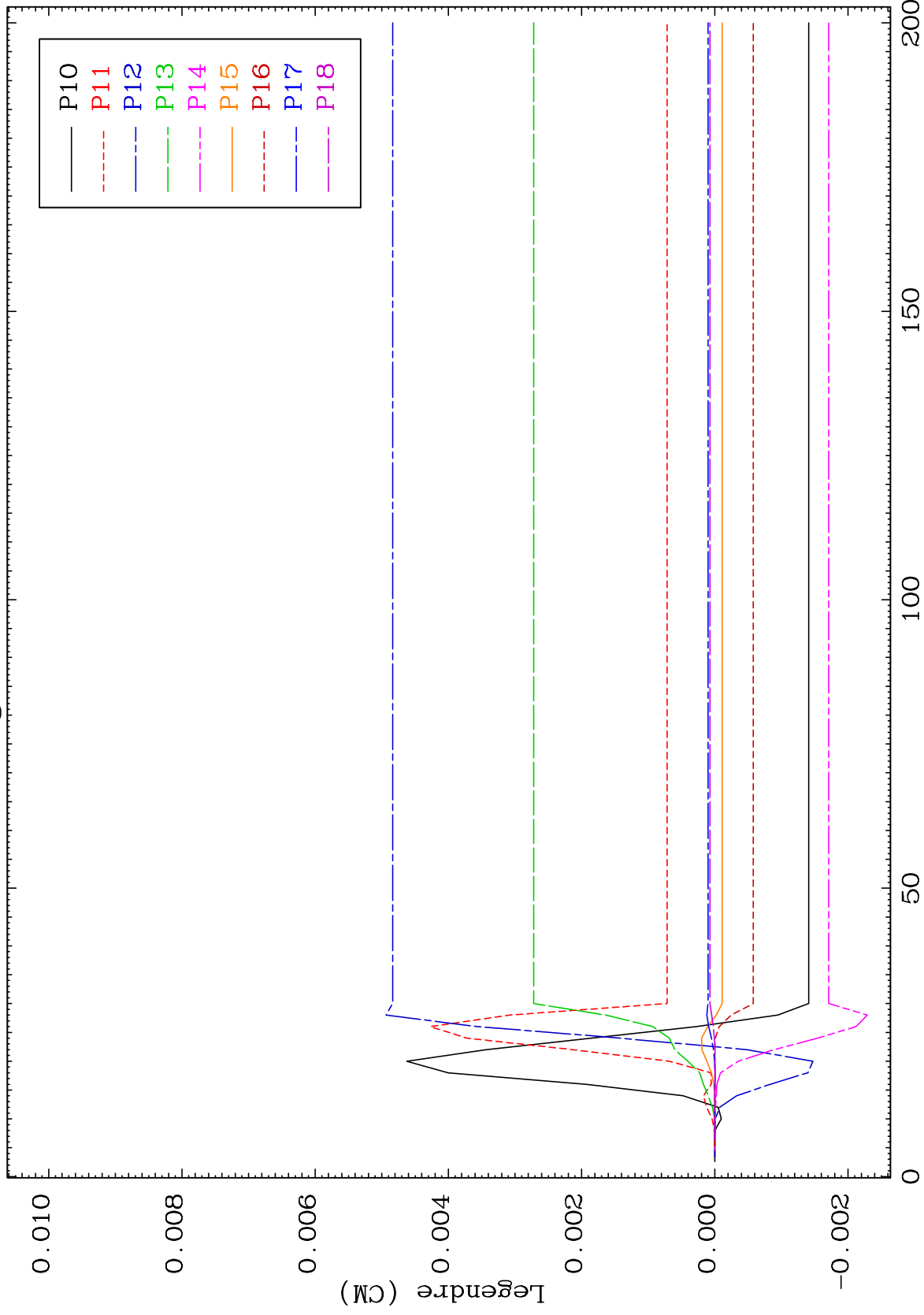
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



66

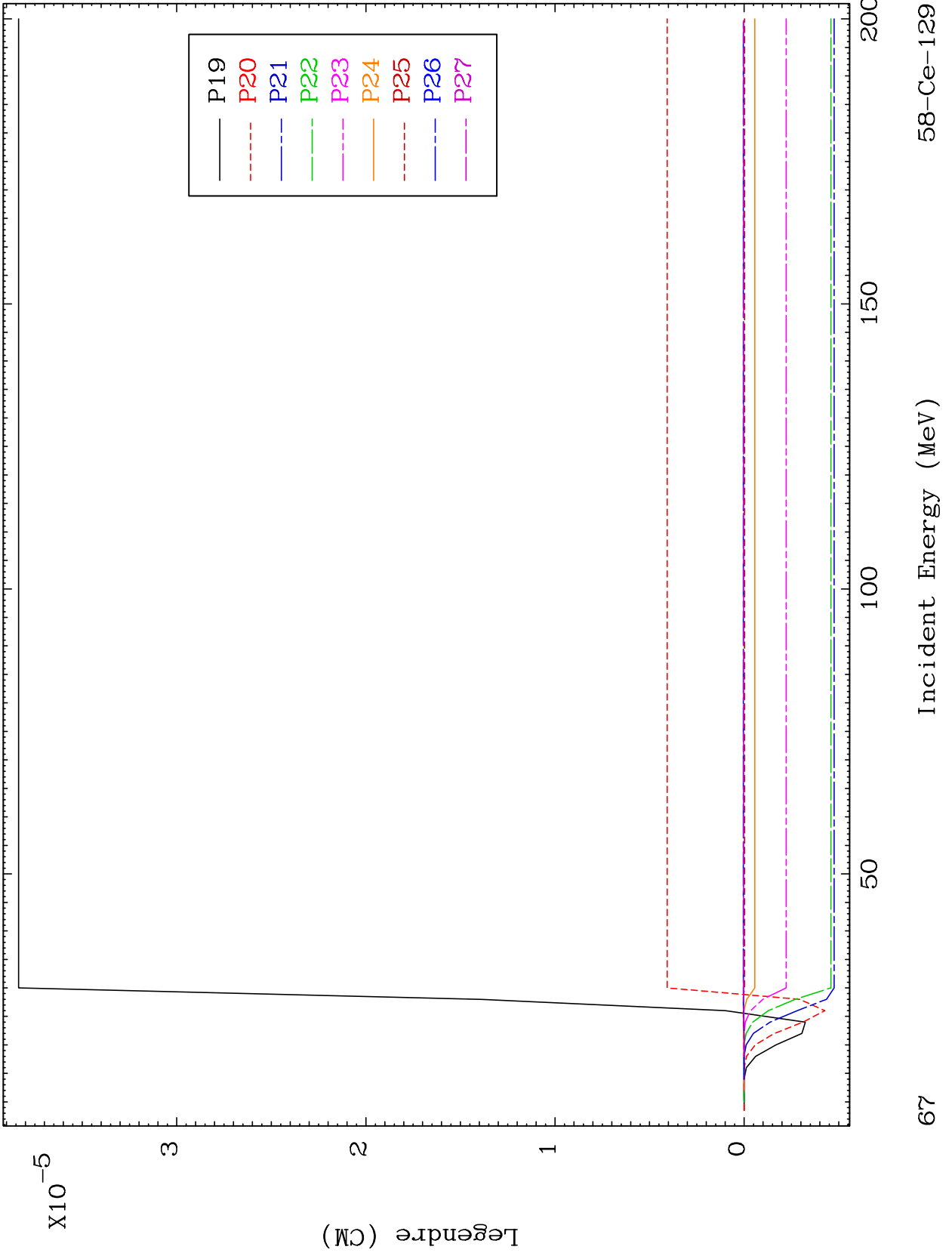
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

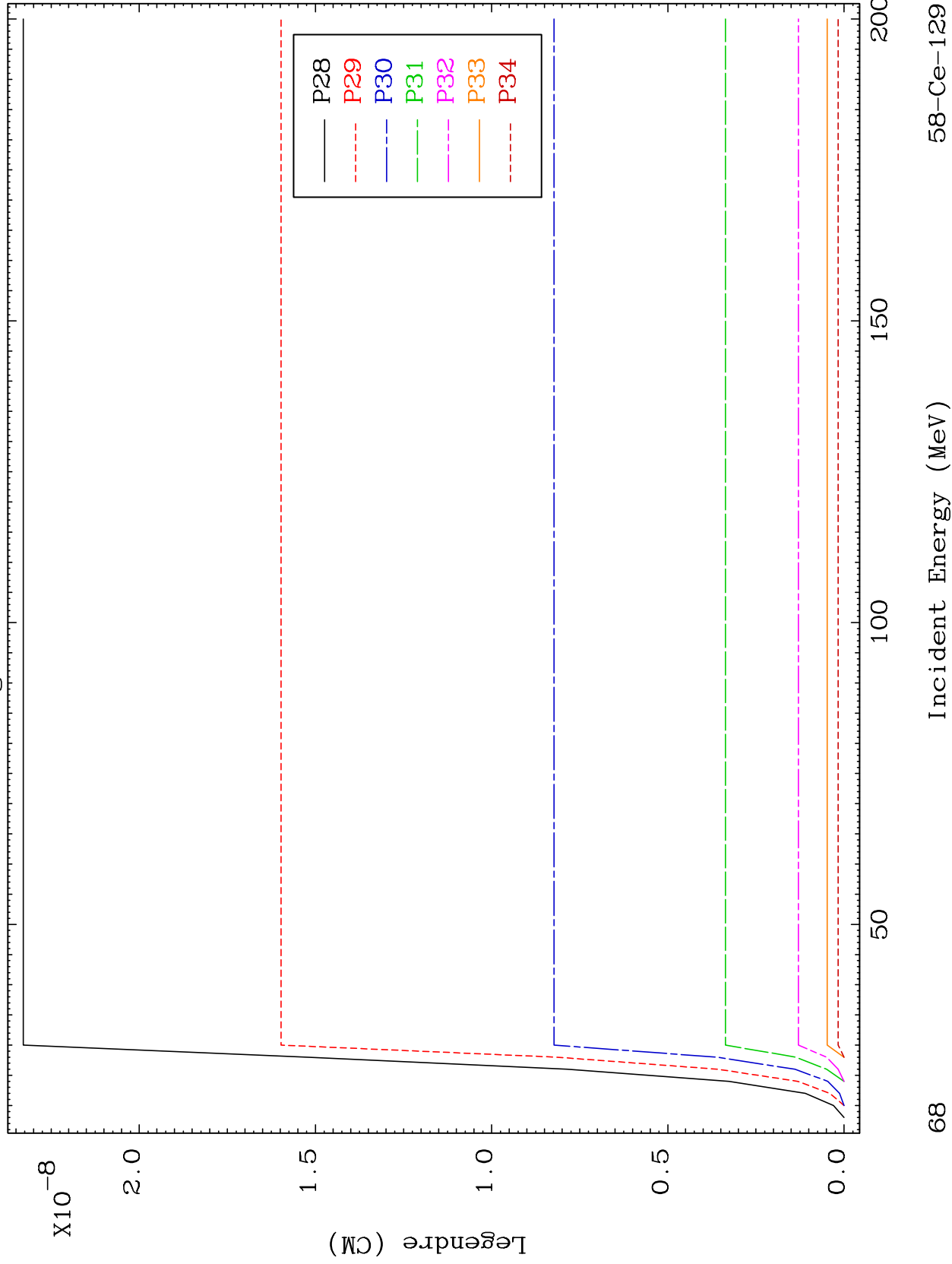
58-Ce-129



MAT 5804

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

58-Ce-129



68

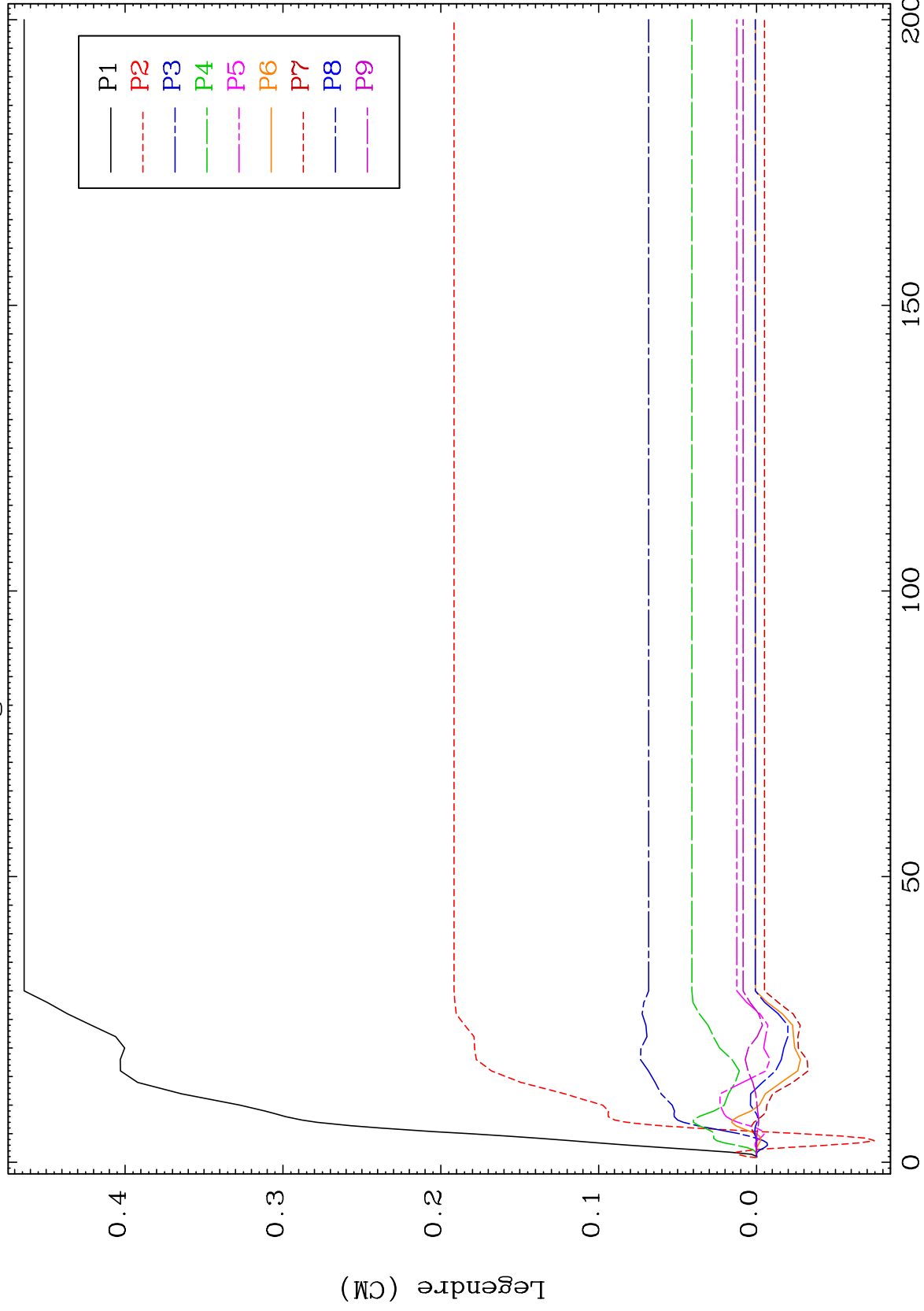
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



69

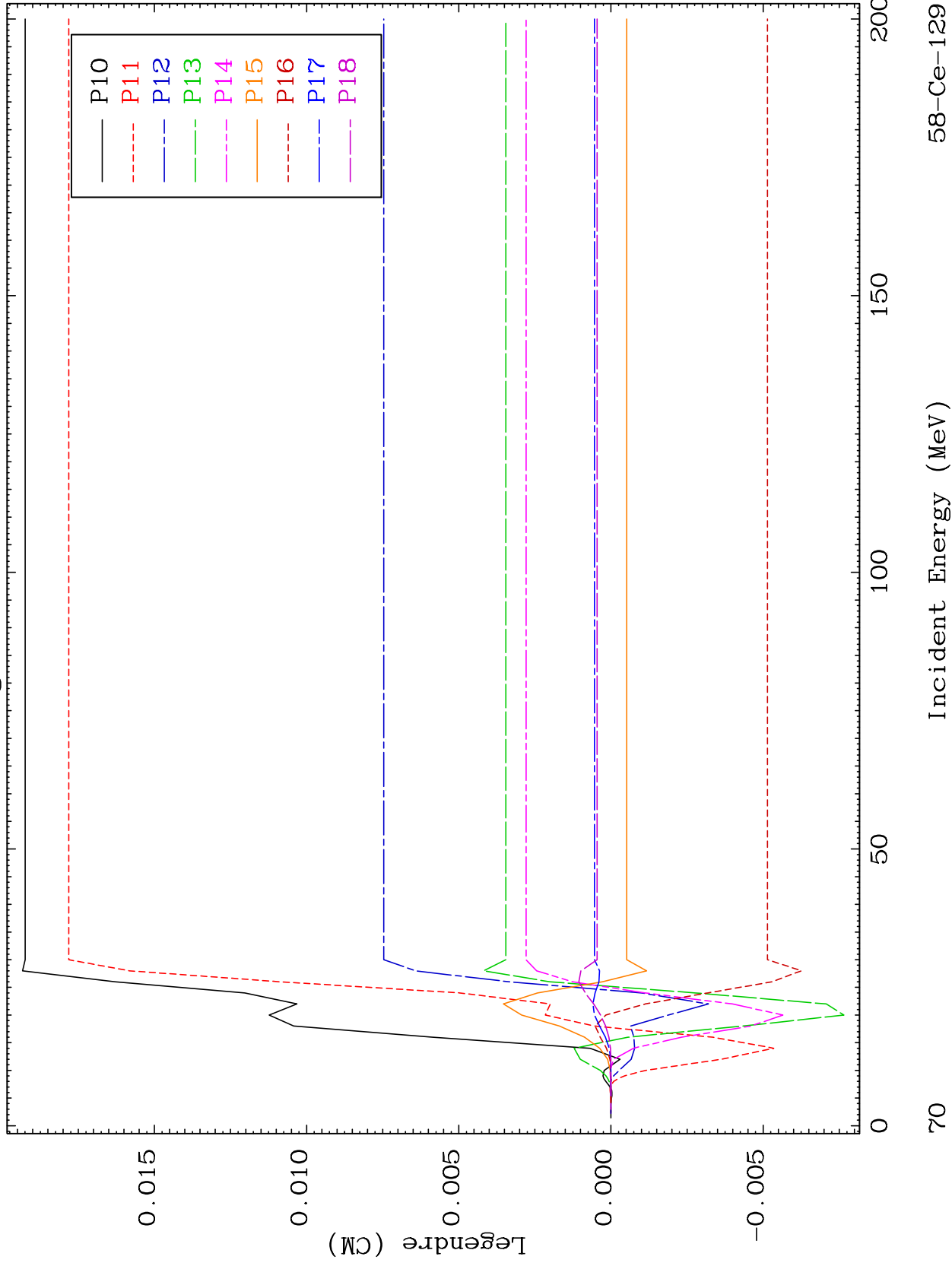
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

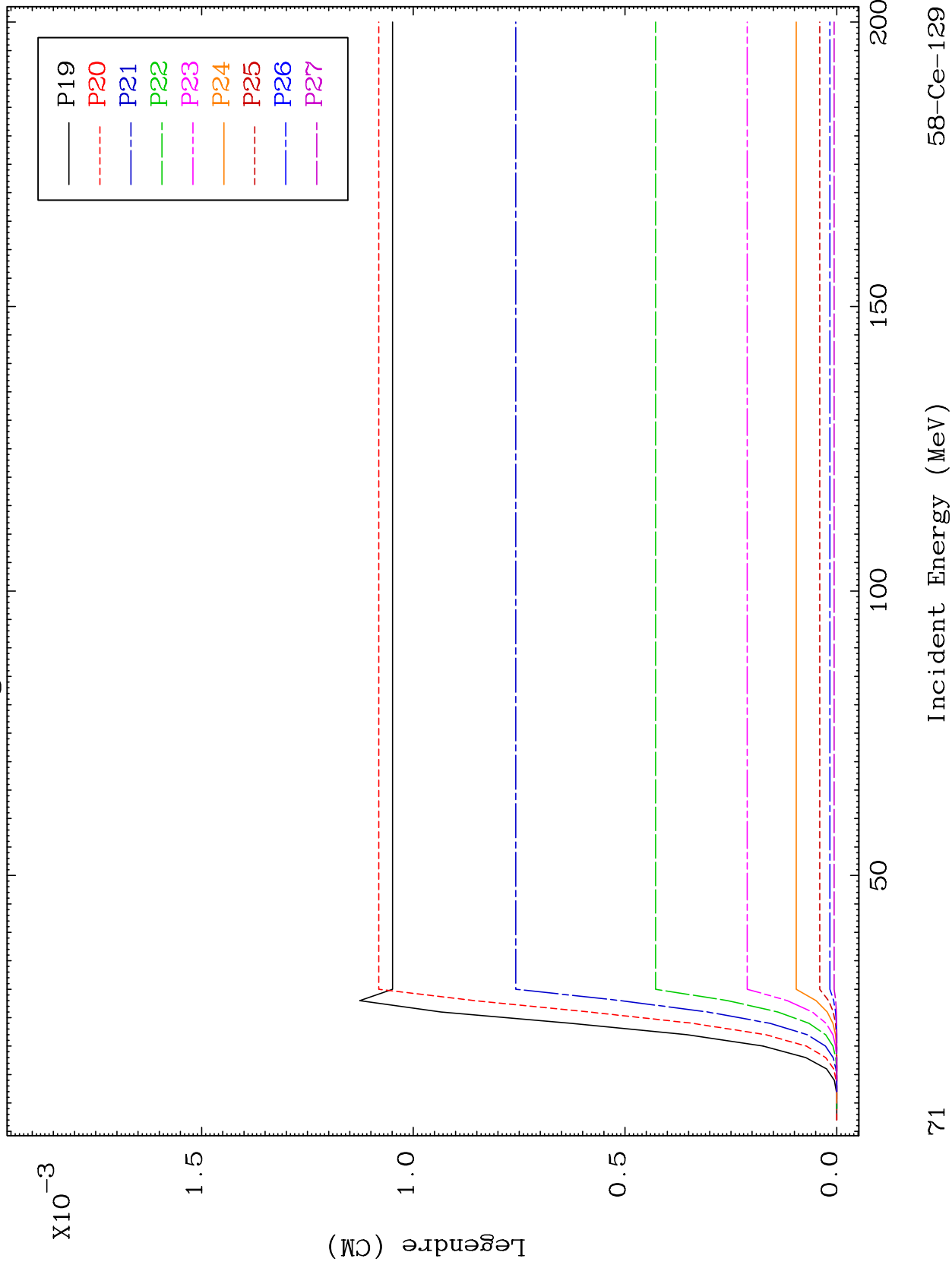
Incident Energy (MeV)

70

MAT 5804

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

58-Ce-129



71

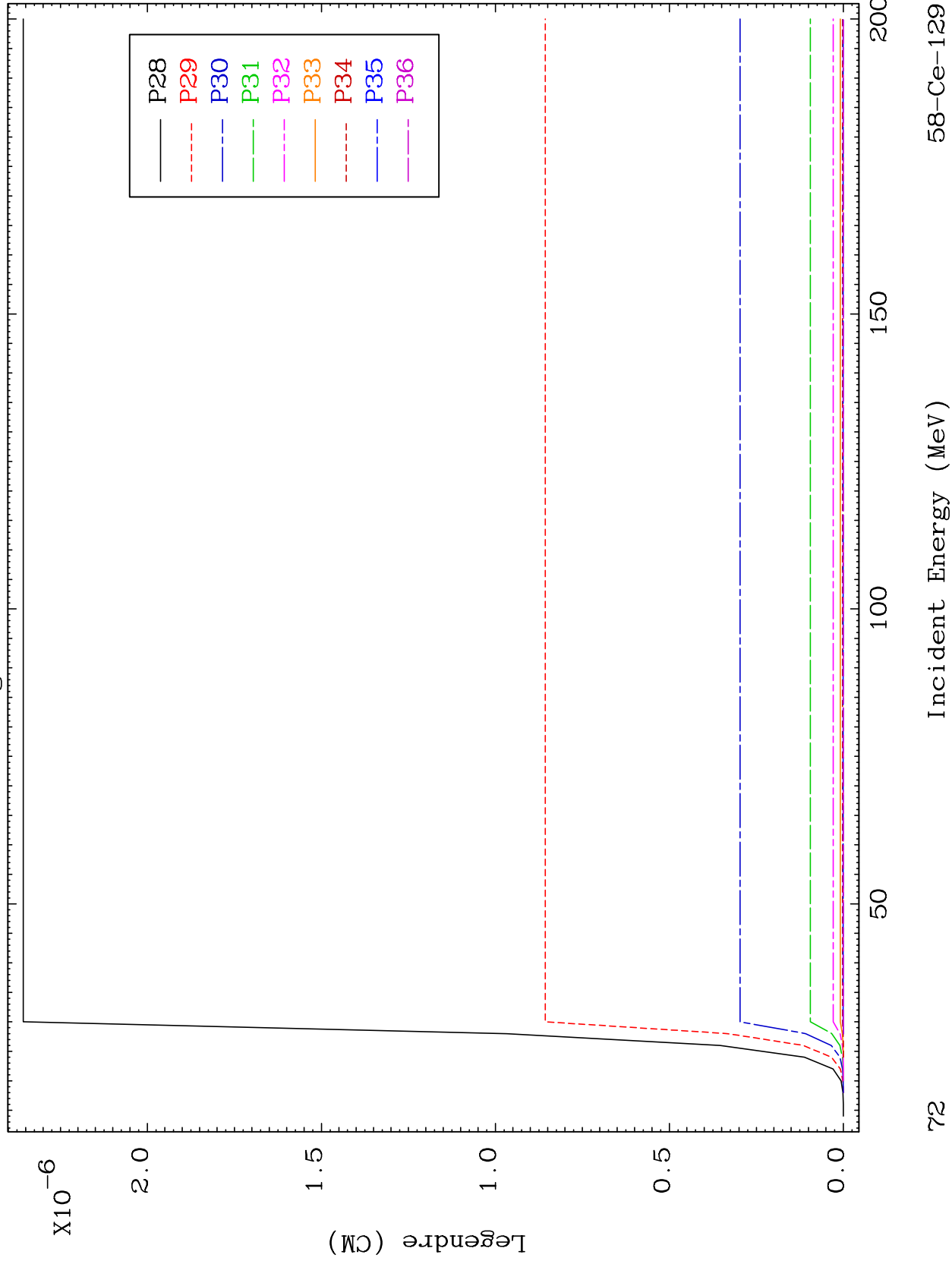
58-Ce-129



MAT 5804

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

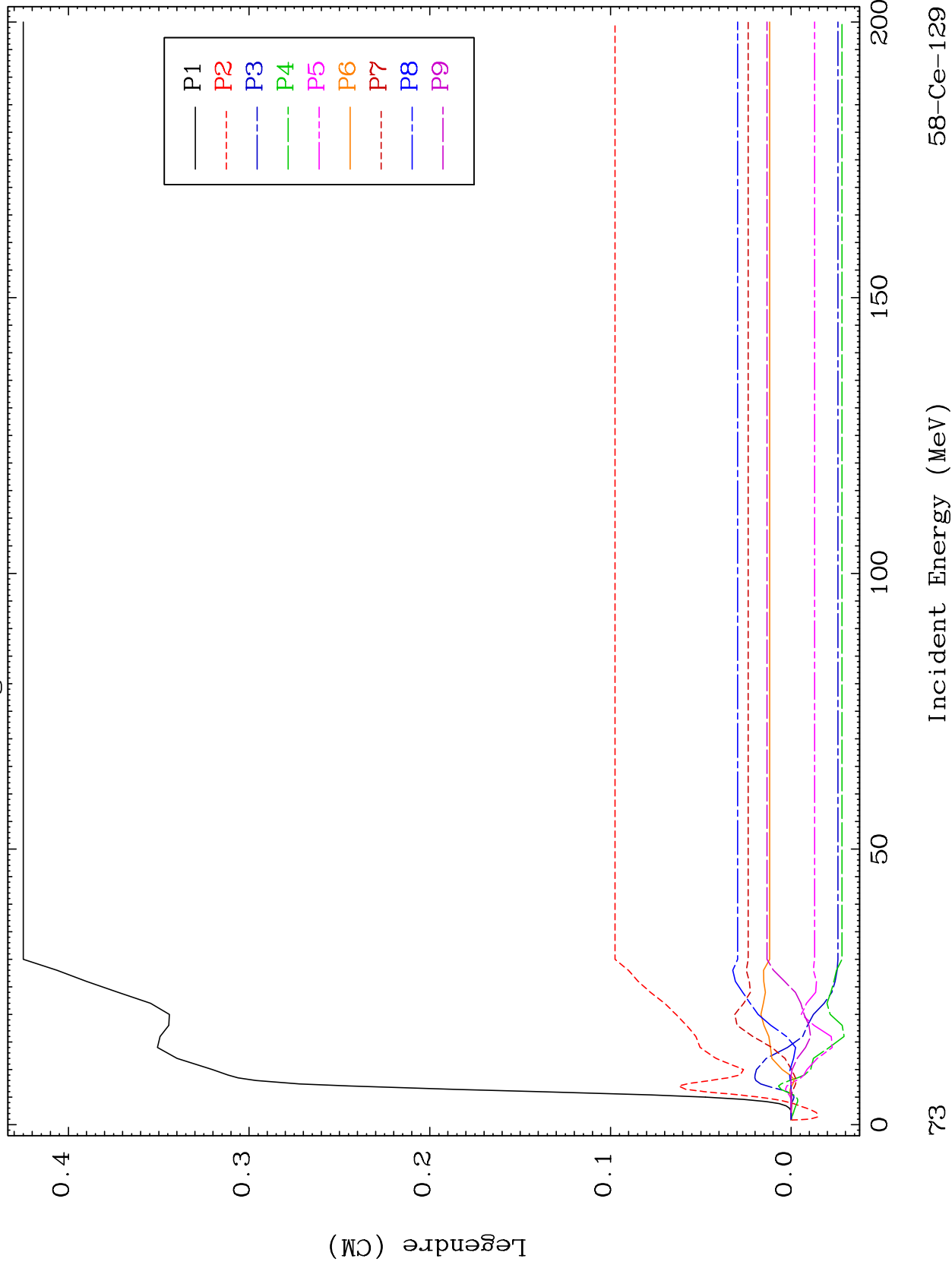
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

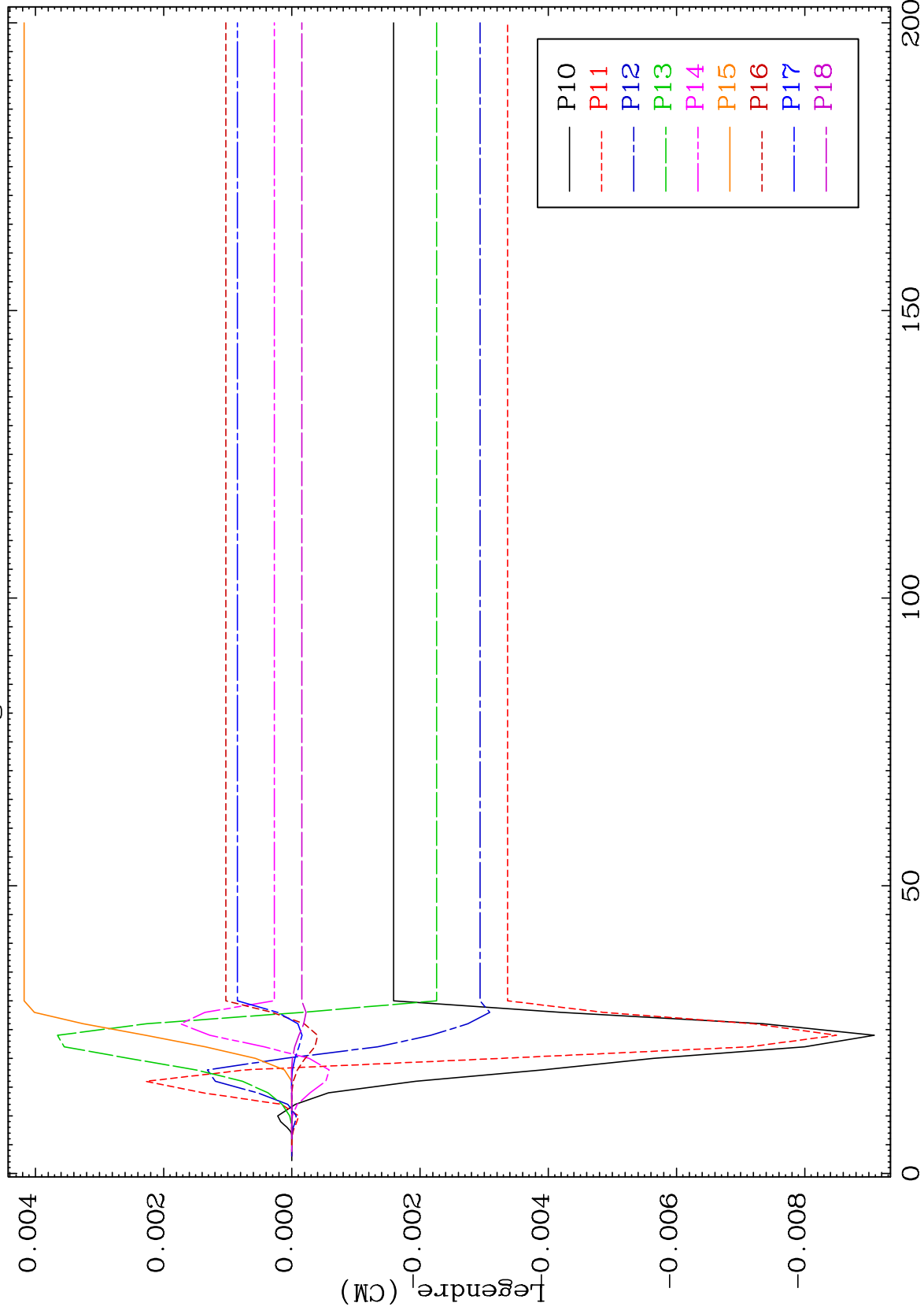
Incident Energy (MeV)

73

MAT 5804

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

58-Ce-129



74

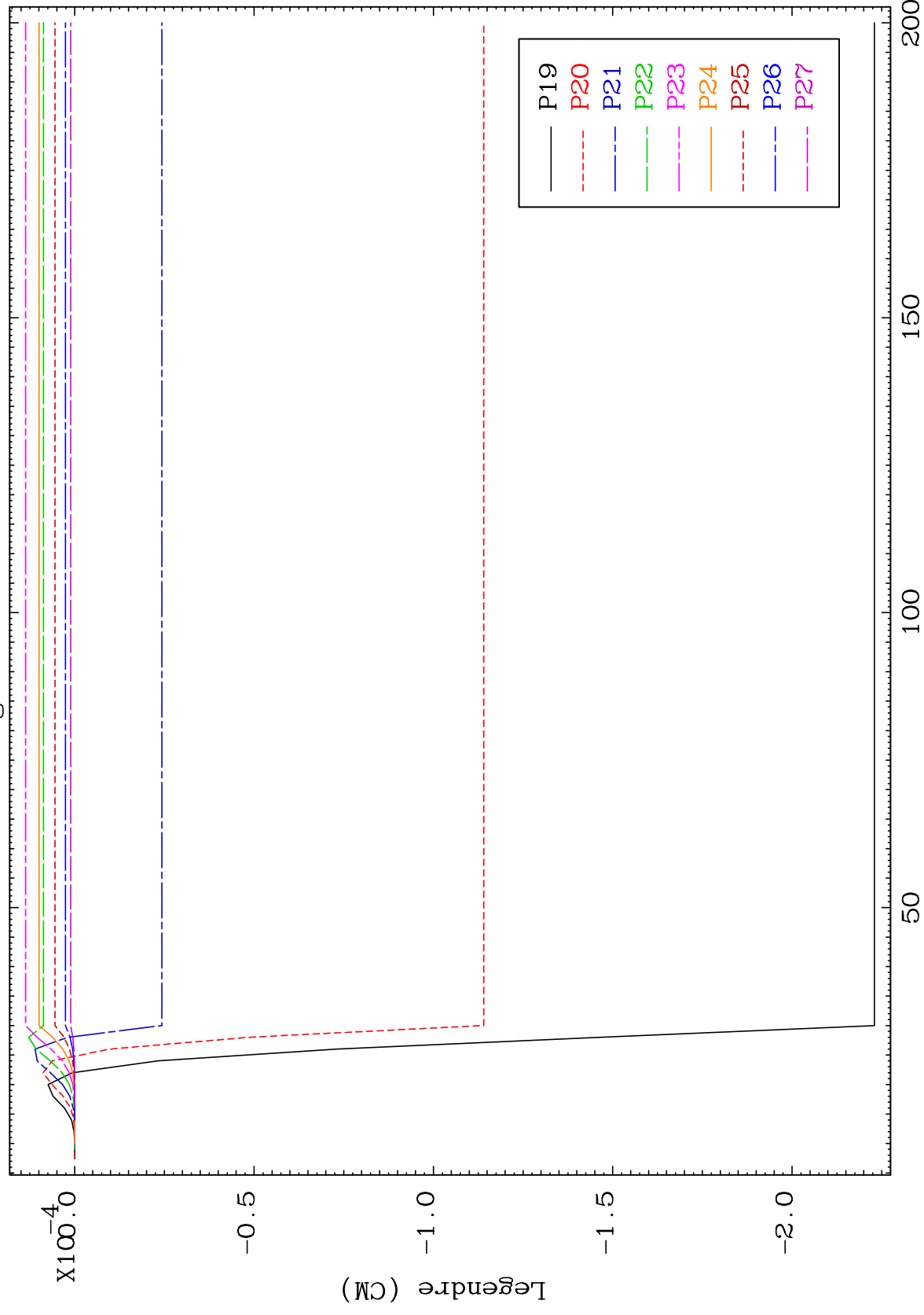
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



75

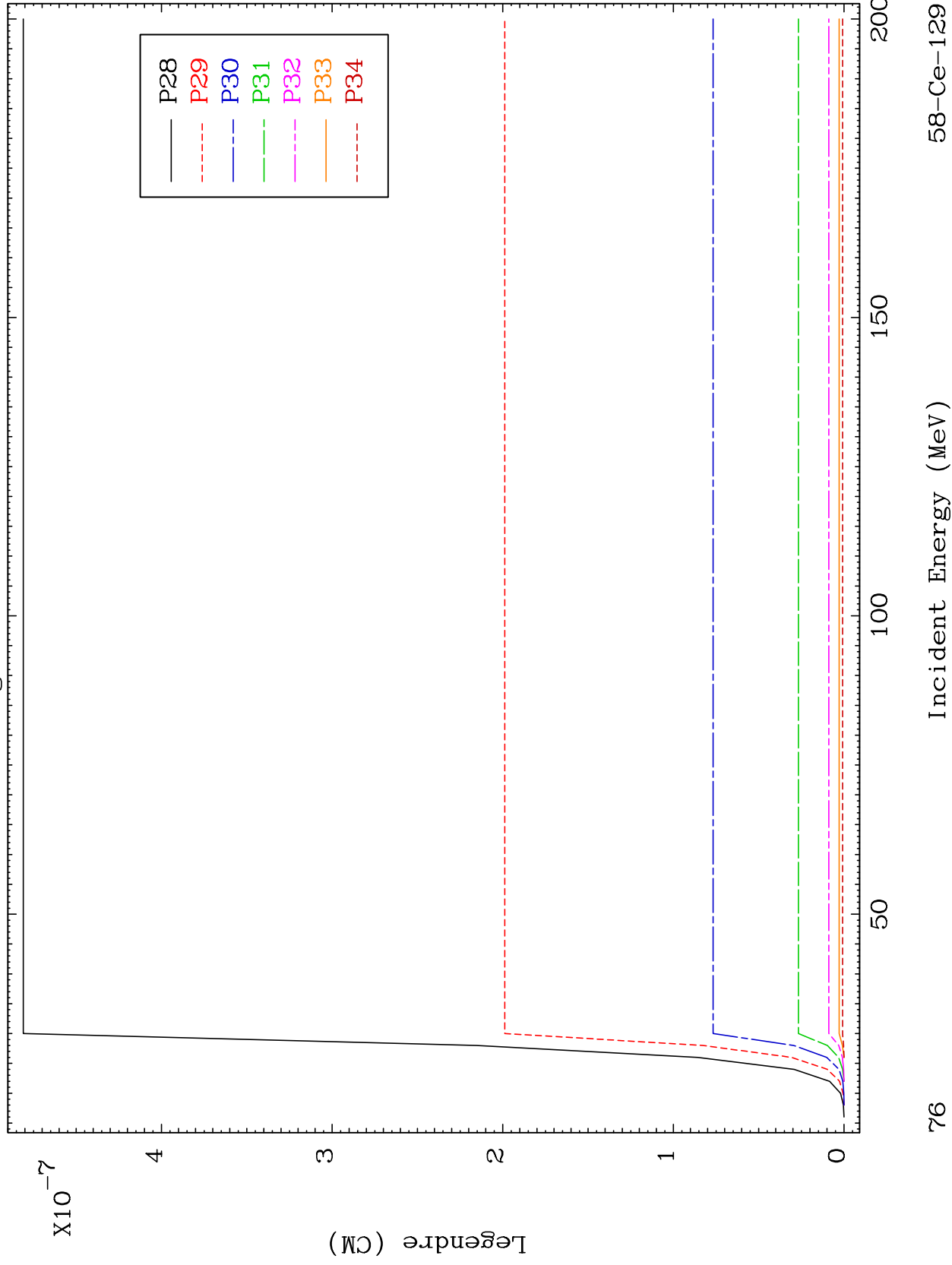
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

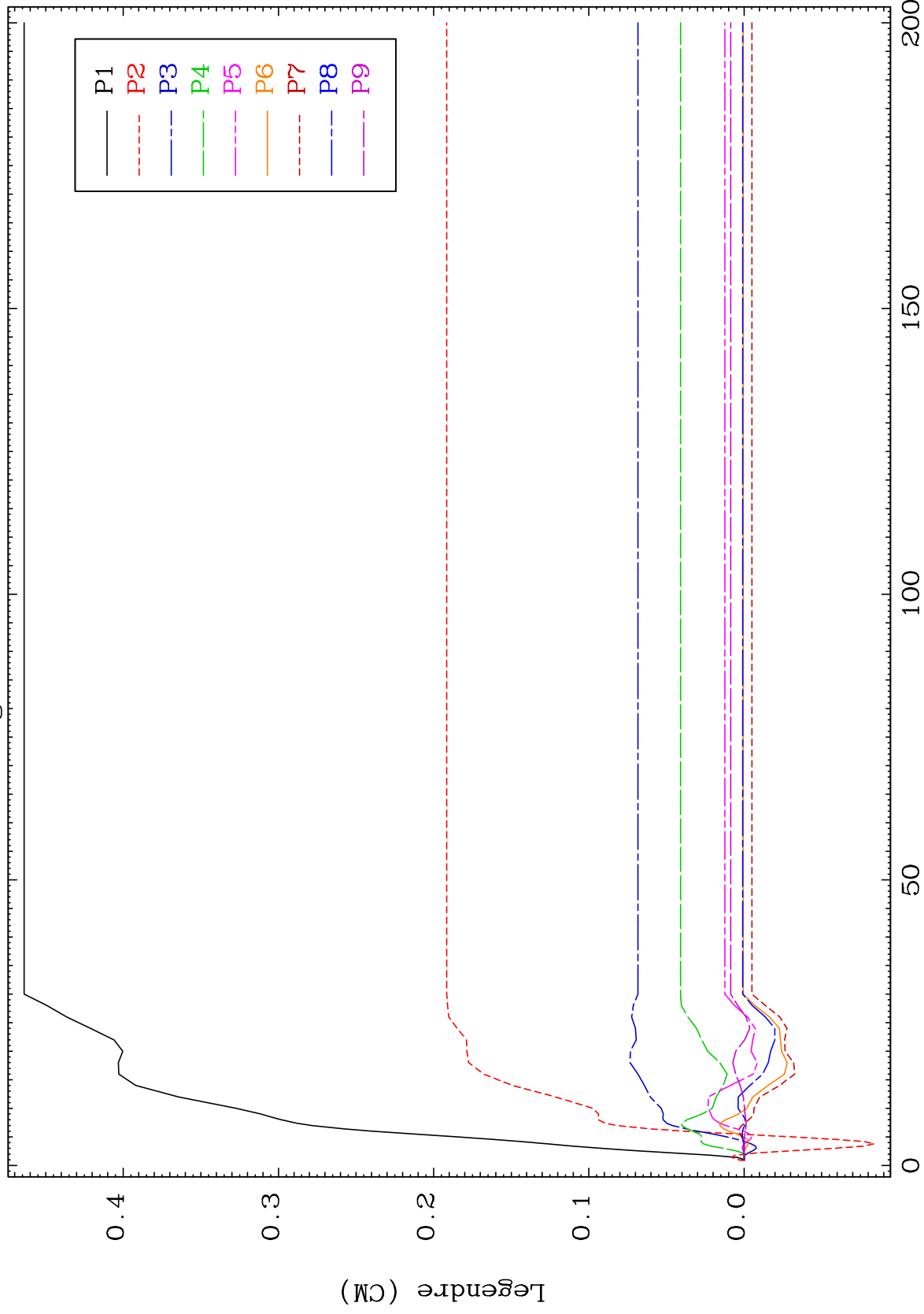
58-Ce-129



MAT 5804

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

58-Ce-129



77

Incident Energy (MeV)

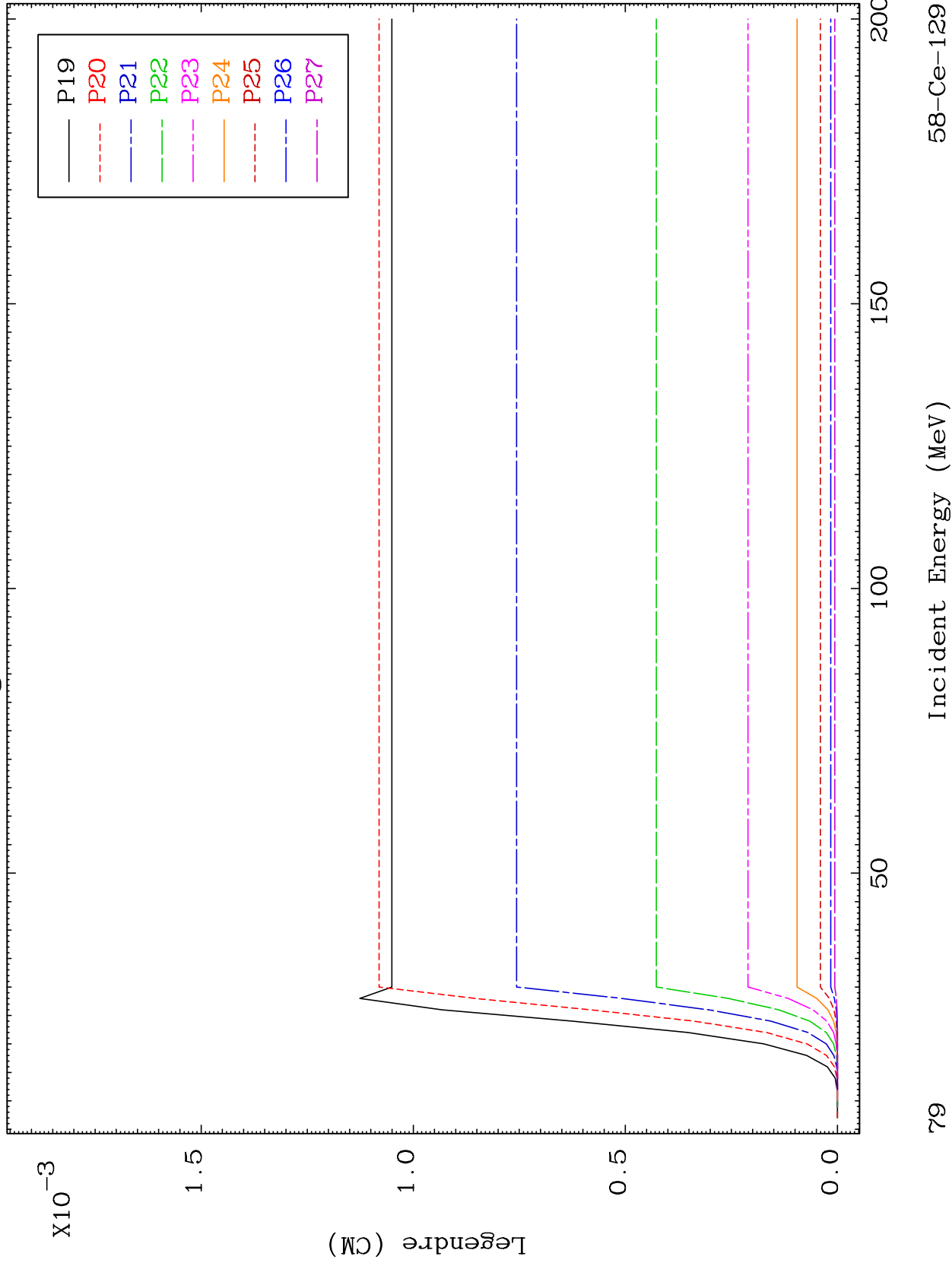
58-Ce-129



MAT 5804

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

58-Ce-129



79

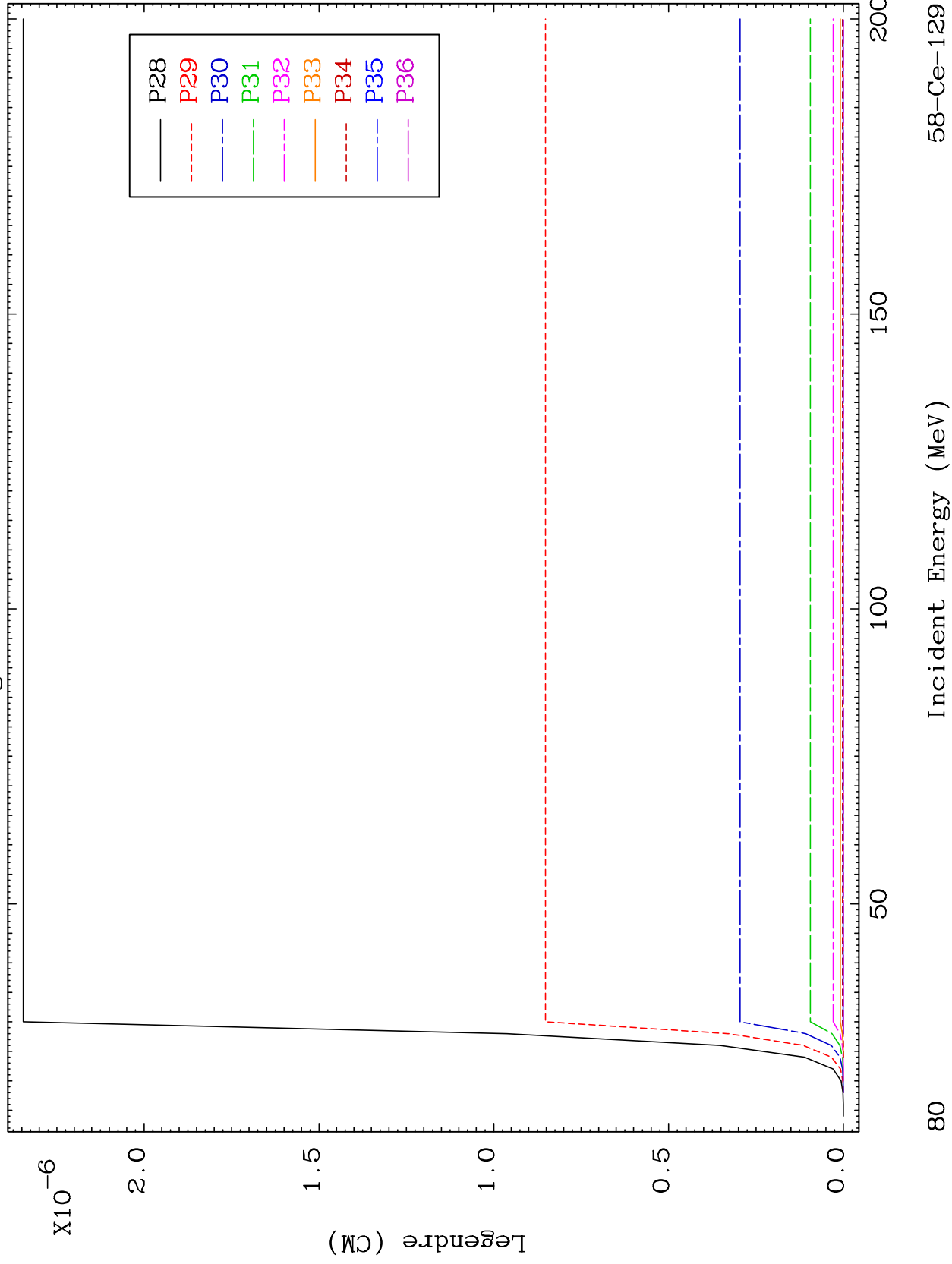
58-Ce-129



MAT 5804

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

58-Ce-129

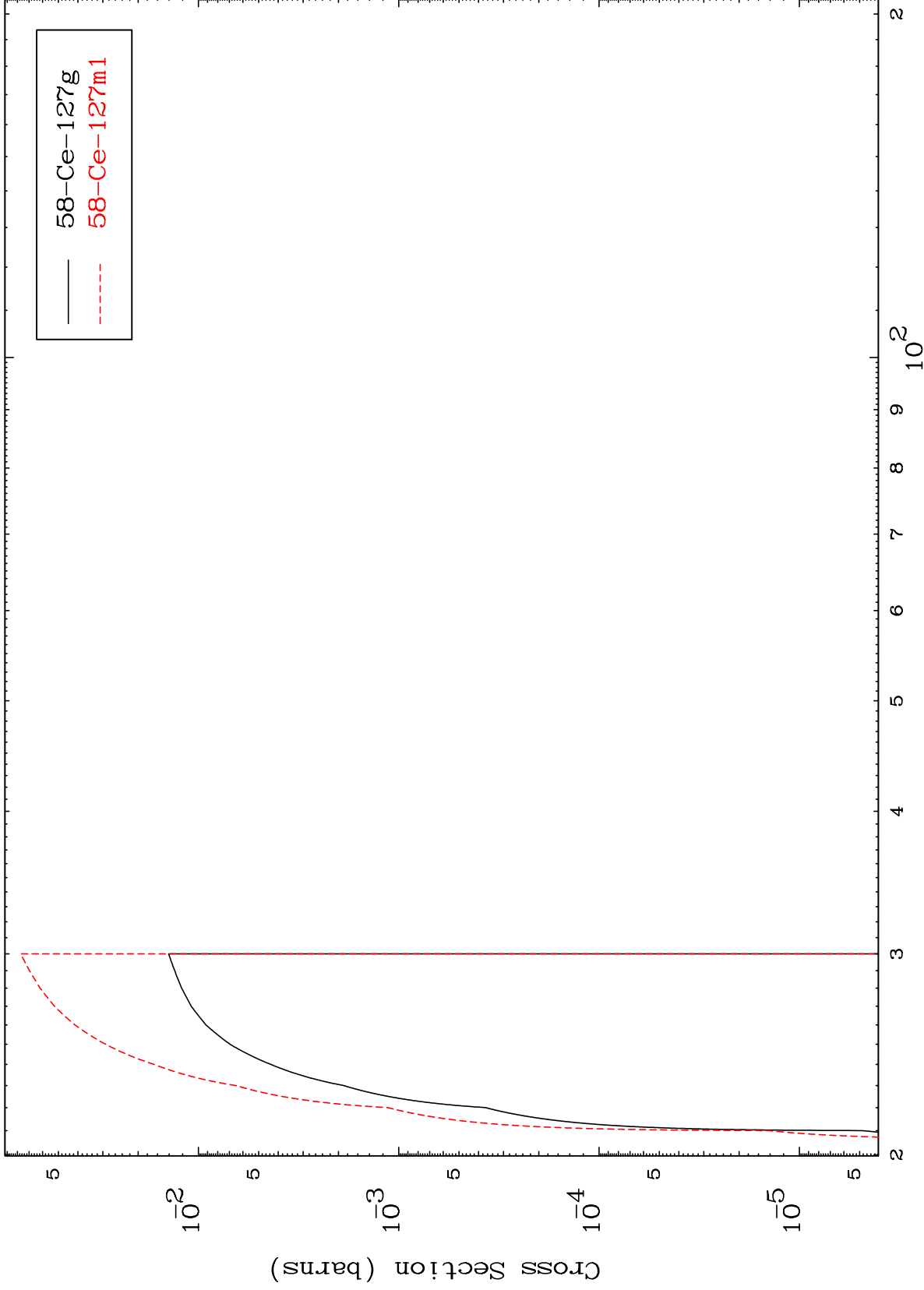


MAT 5804

(n,3n)

58-Ce-129

Radionuclide Production Cross Section



81

Incident Energy (MeV)

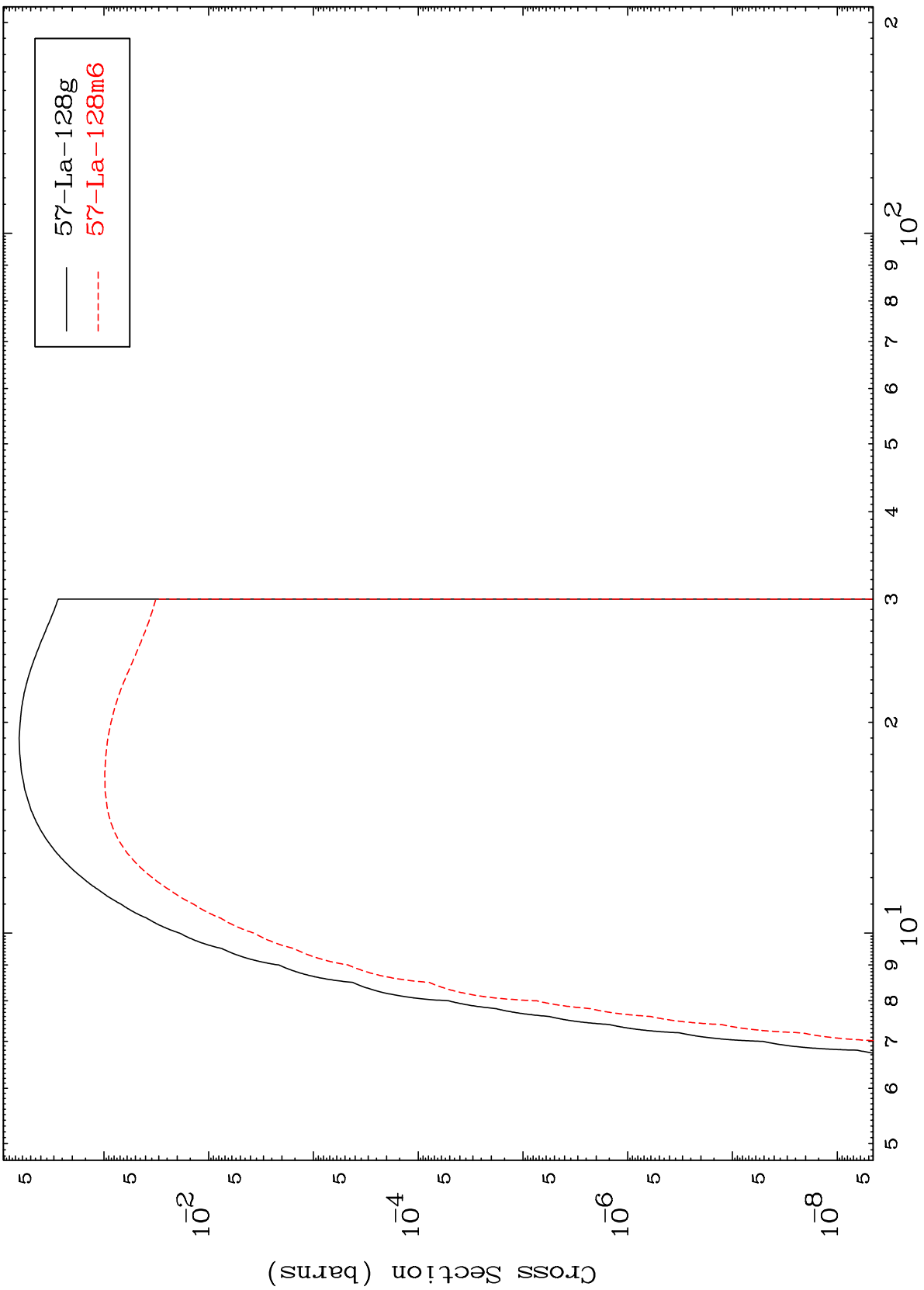
58-Ce-129

MAT 5804

(n,n') p

58-Ce-129

Radionuclide Production Cross Section



82

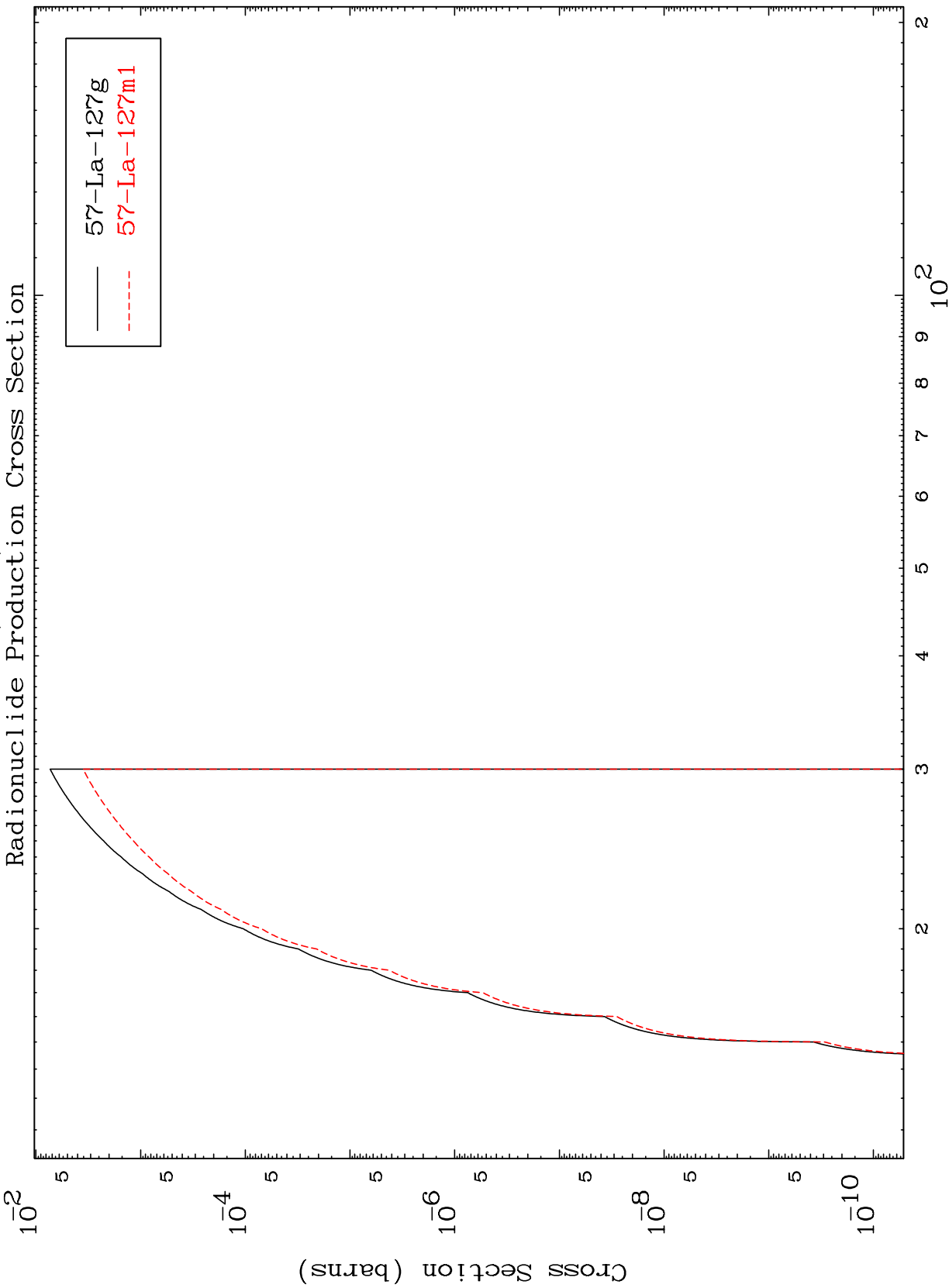
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,n') d

58-Ce-129

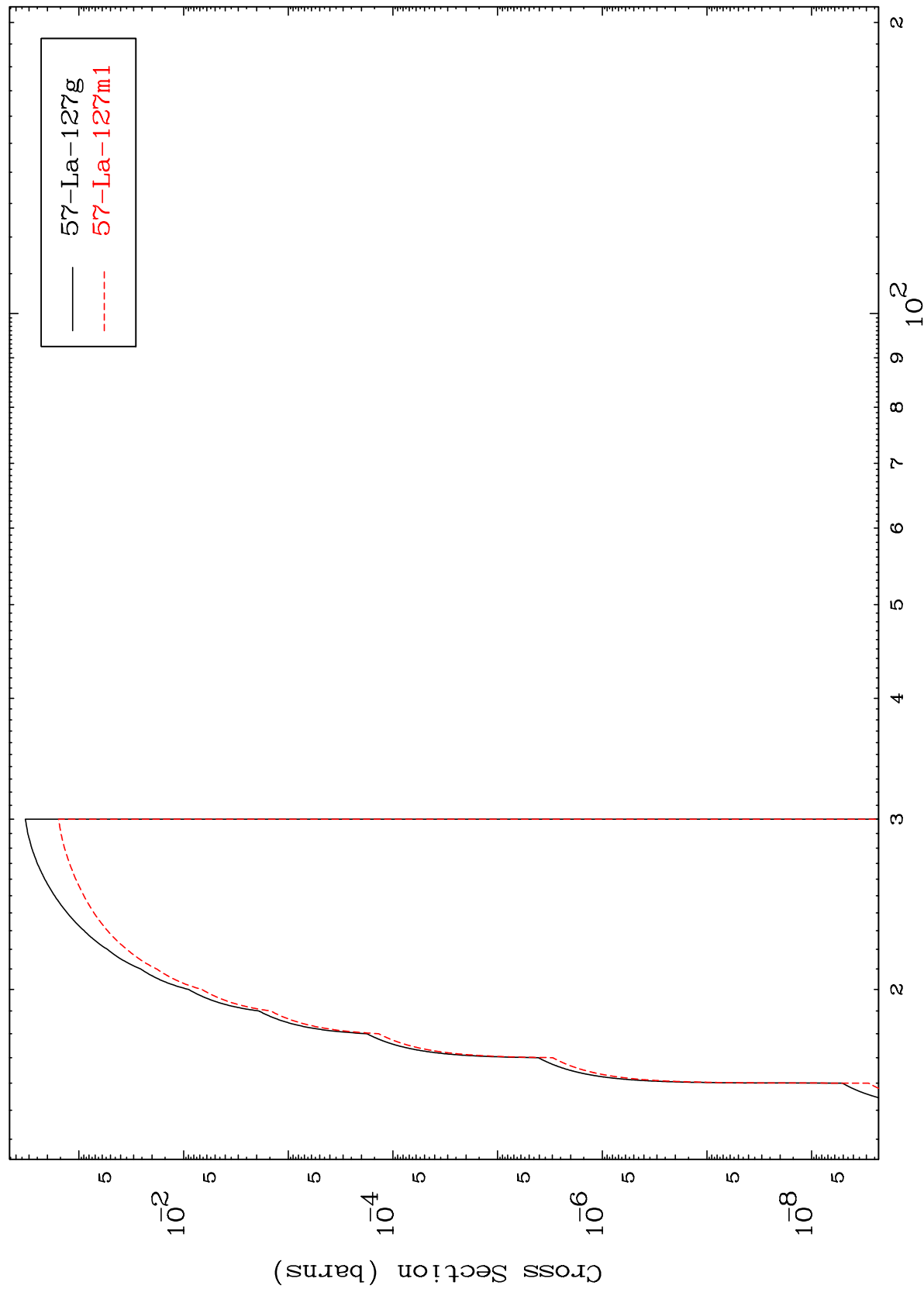


MAT 5804

(n,2n) p

58-Ce-129

Radionuclide Production Cross Section



84

Incident Energy (MeV)

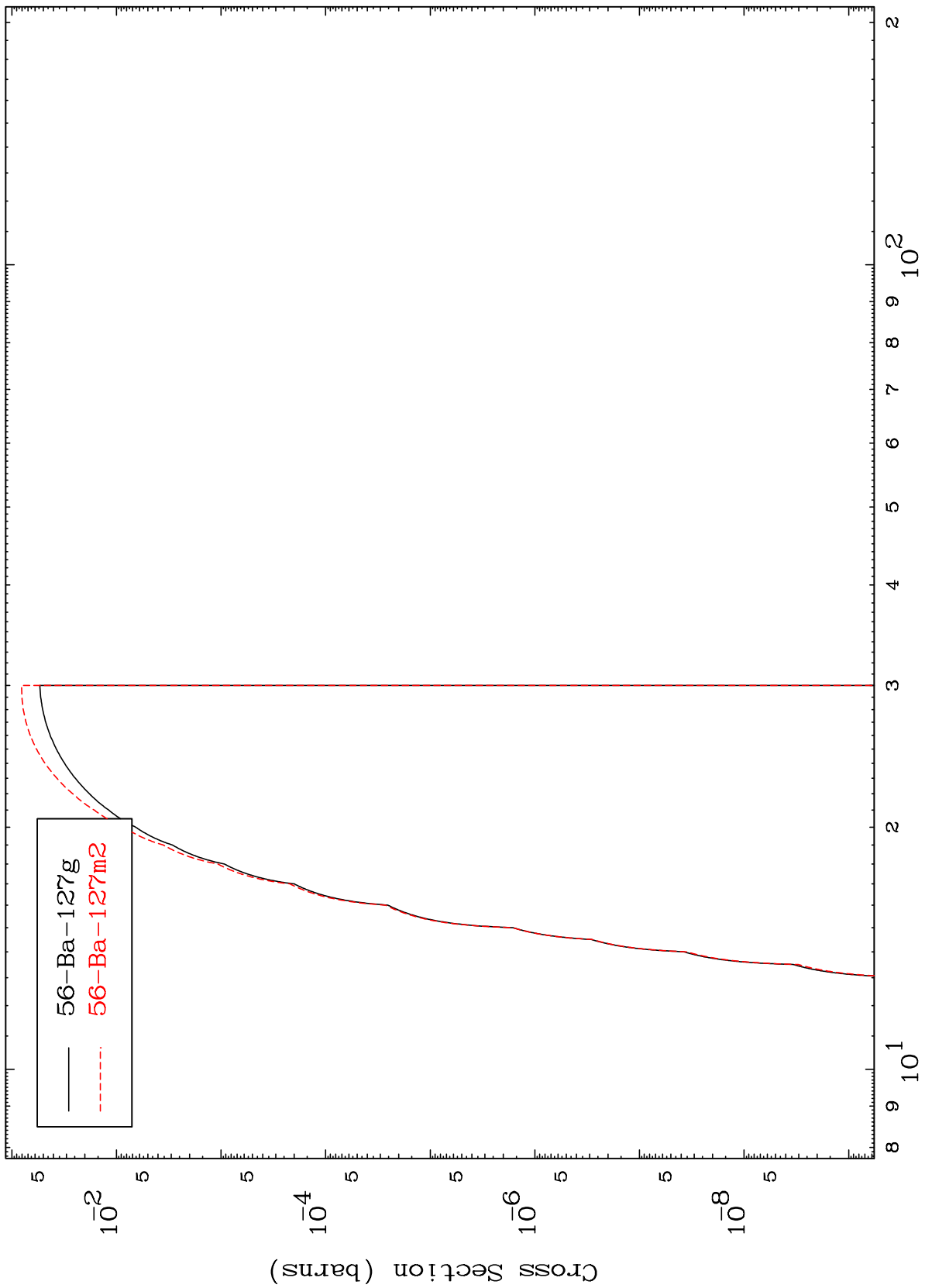
58-Ce-129

MAT 5804

(n,2n) p

58-Ce-129

Radionuclide Production Cross Section



56-Ba-127g  
56-Ba-127m2

85

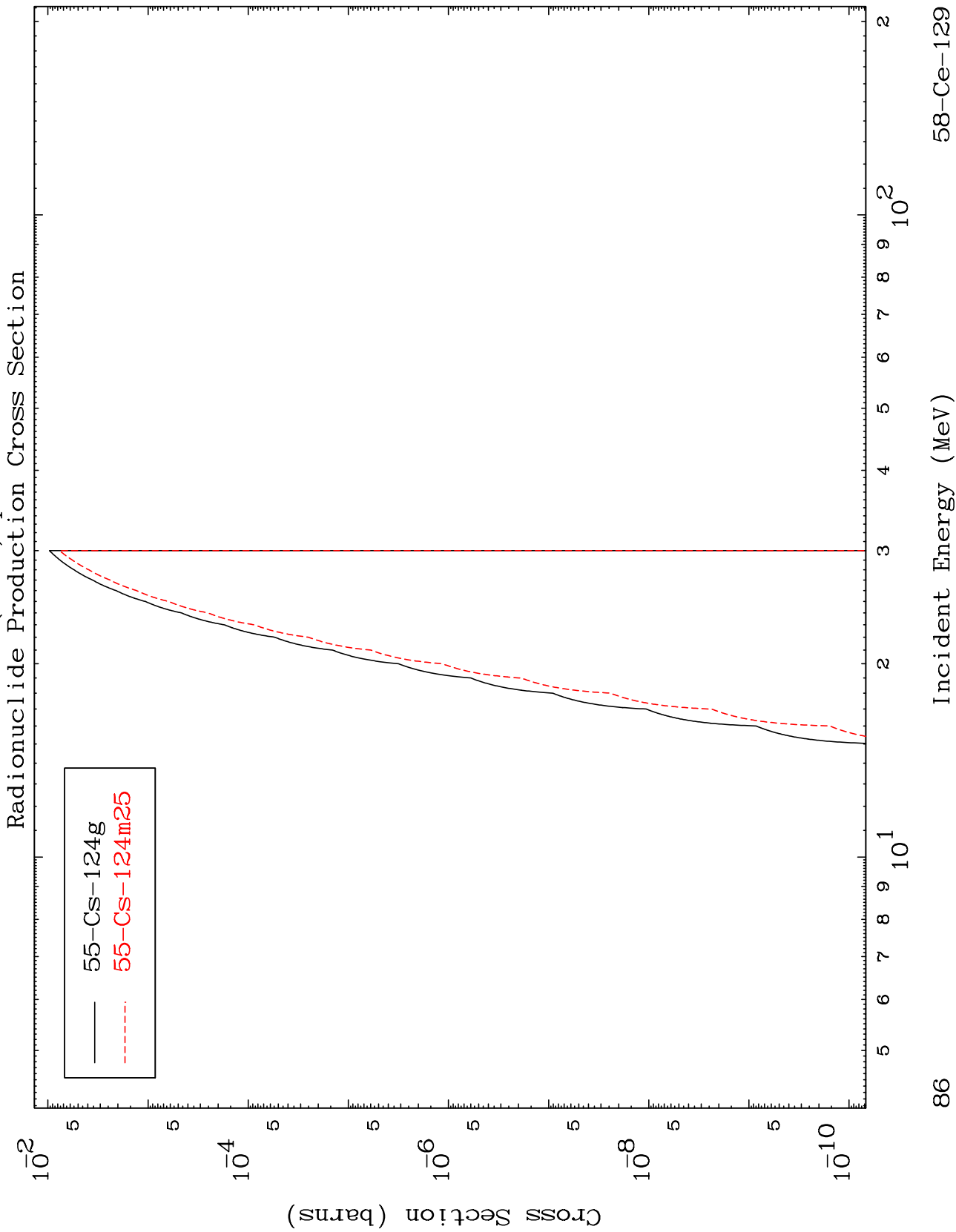
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,n') p  $\alpha$

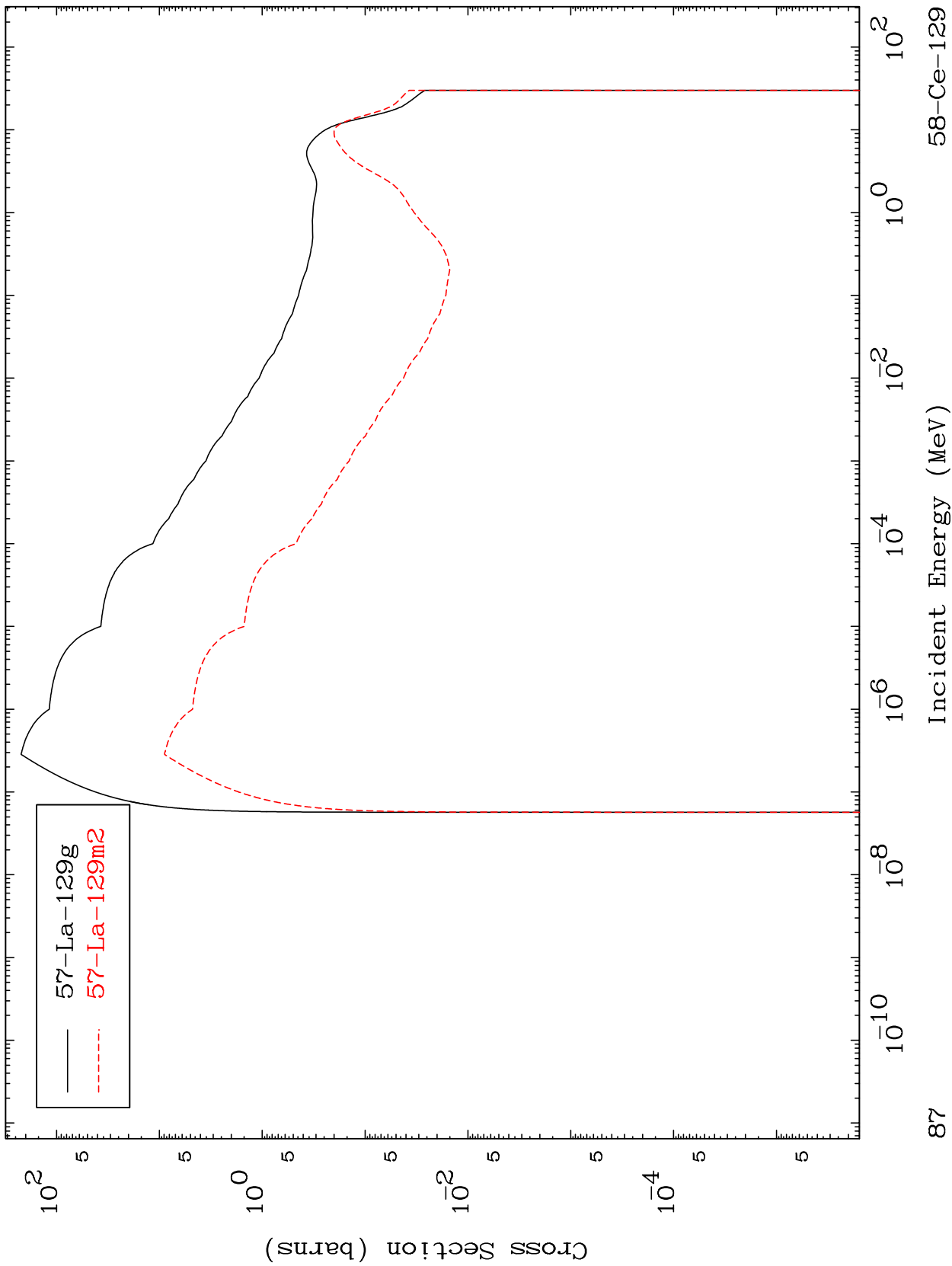
58-Ce-129



MAT 5804

58-Ce-129

(n,p)  
Radionuclide Production Cross Section

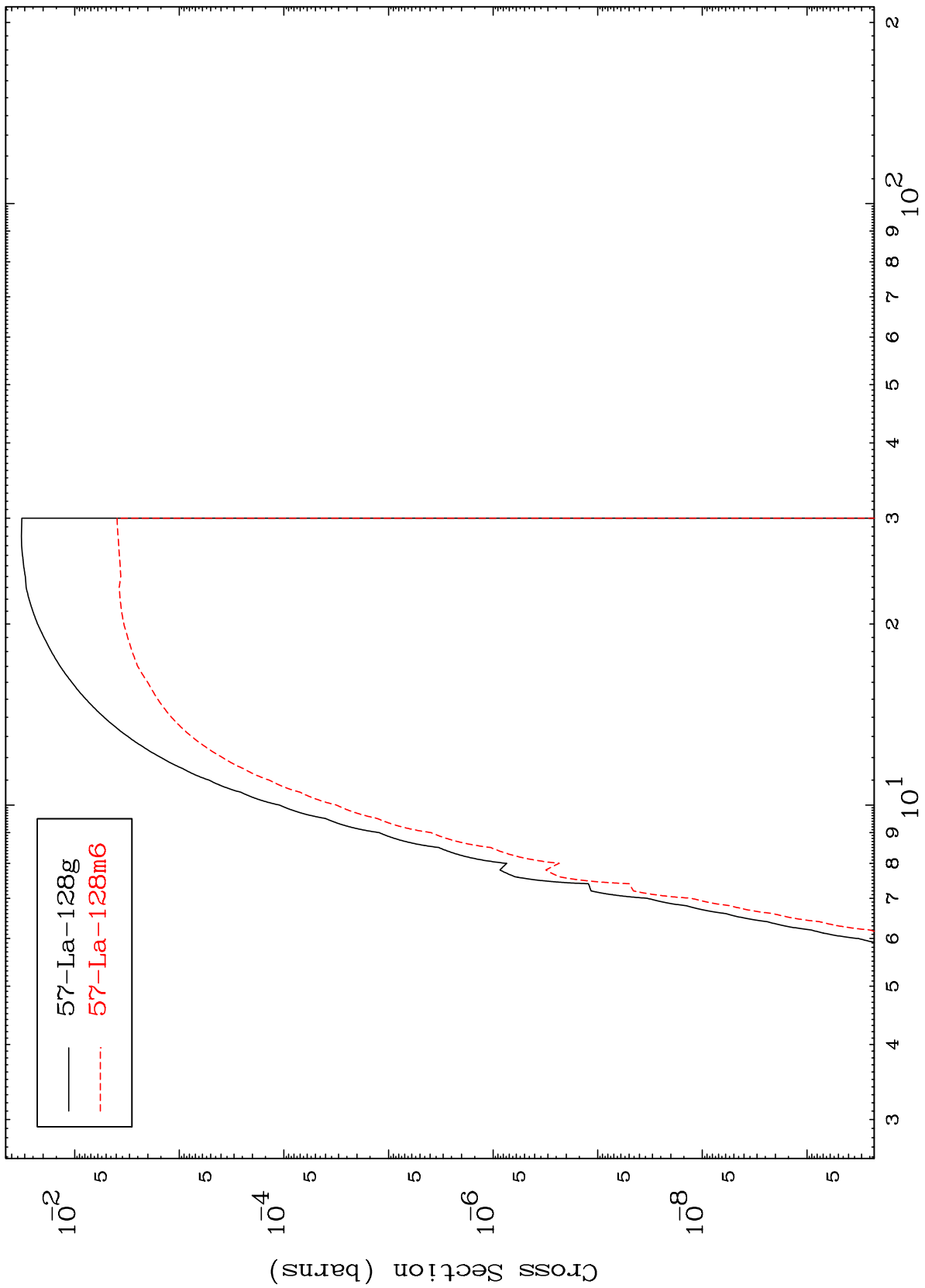




MAT 5804

58-Ce-129

(n,d)  
Radionuclide Production Cross Section



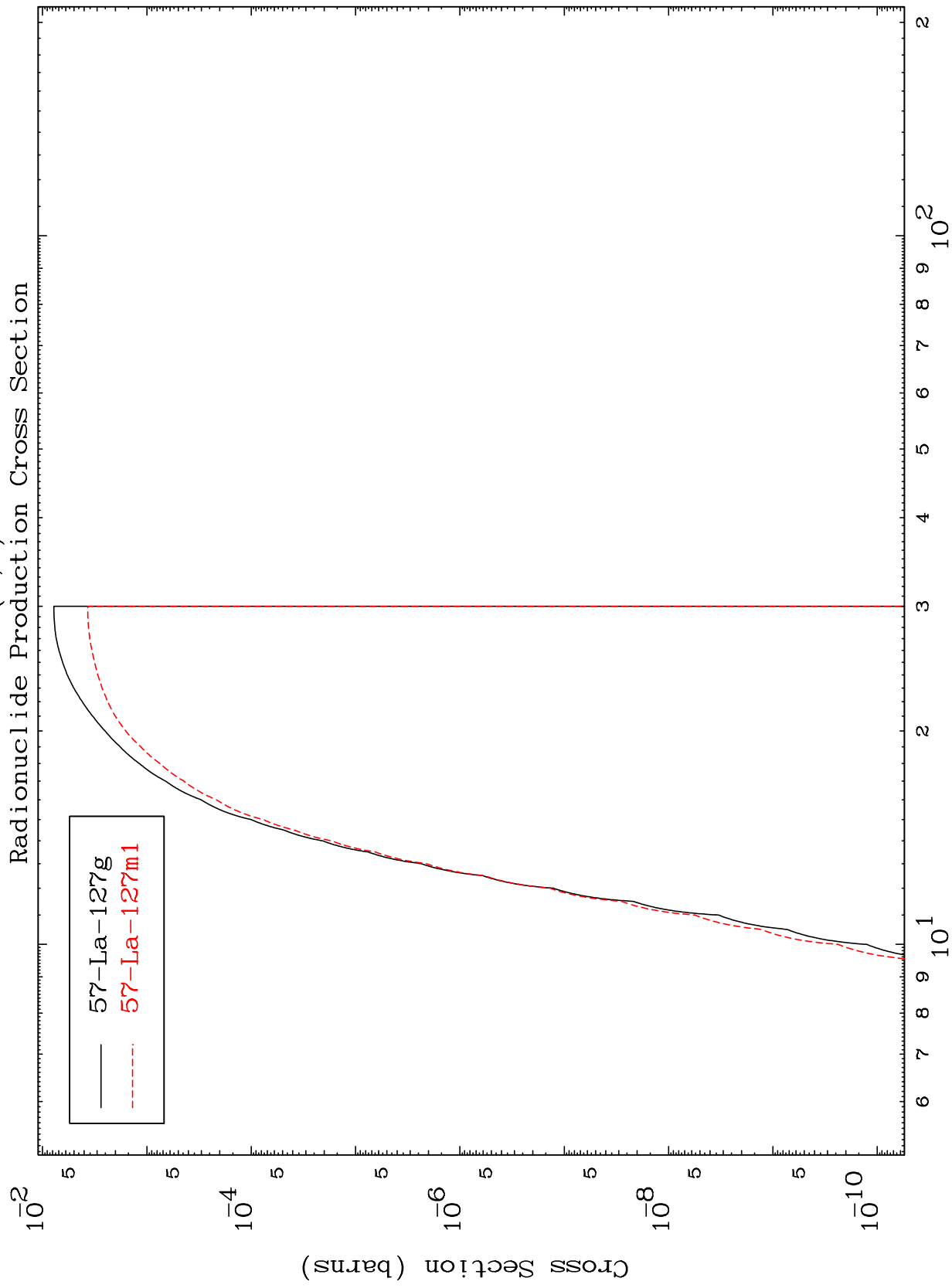
88

Incident Energy (MeV)

58-Ce-129

MAT 5804

58-Ce-129



89

Incident Energy (MeV)

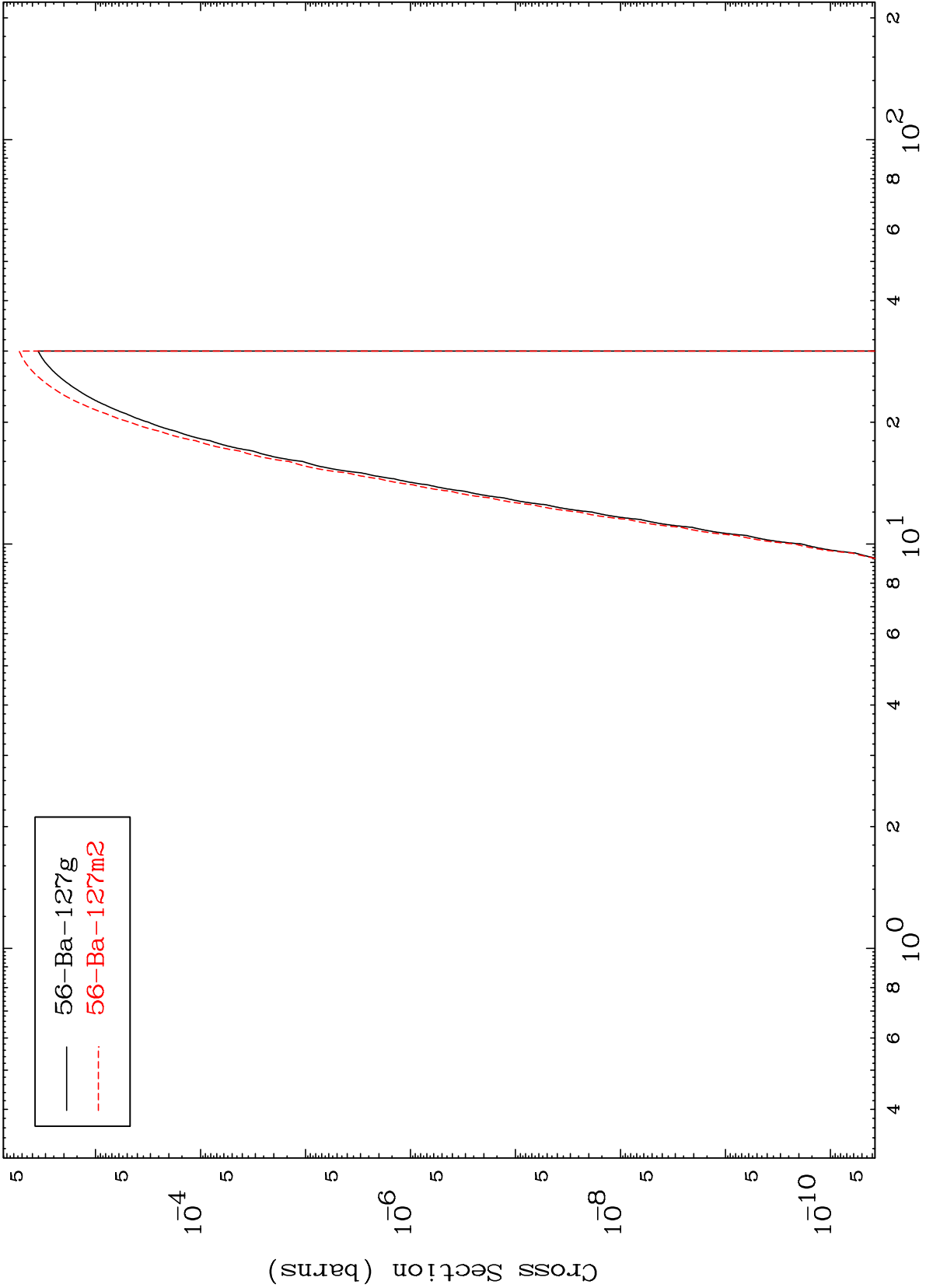
58-Ce-129

MAT 5804

(n,He-3)

58-Ce-129

Radionuclide Production Cross Section



90

Incident Energy (MeV)

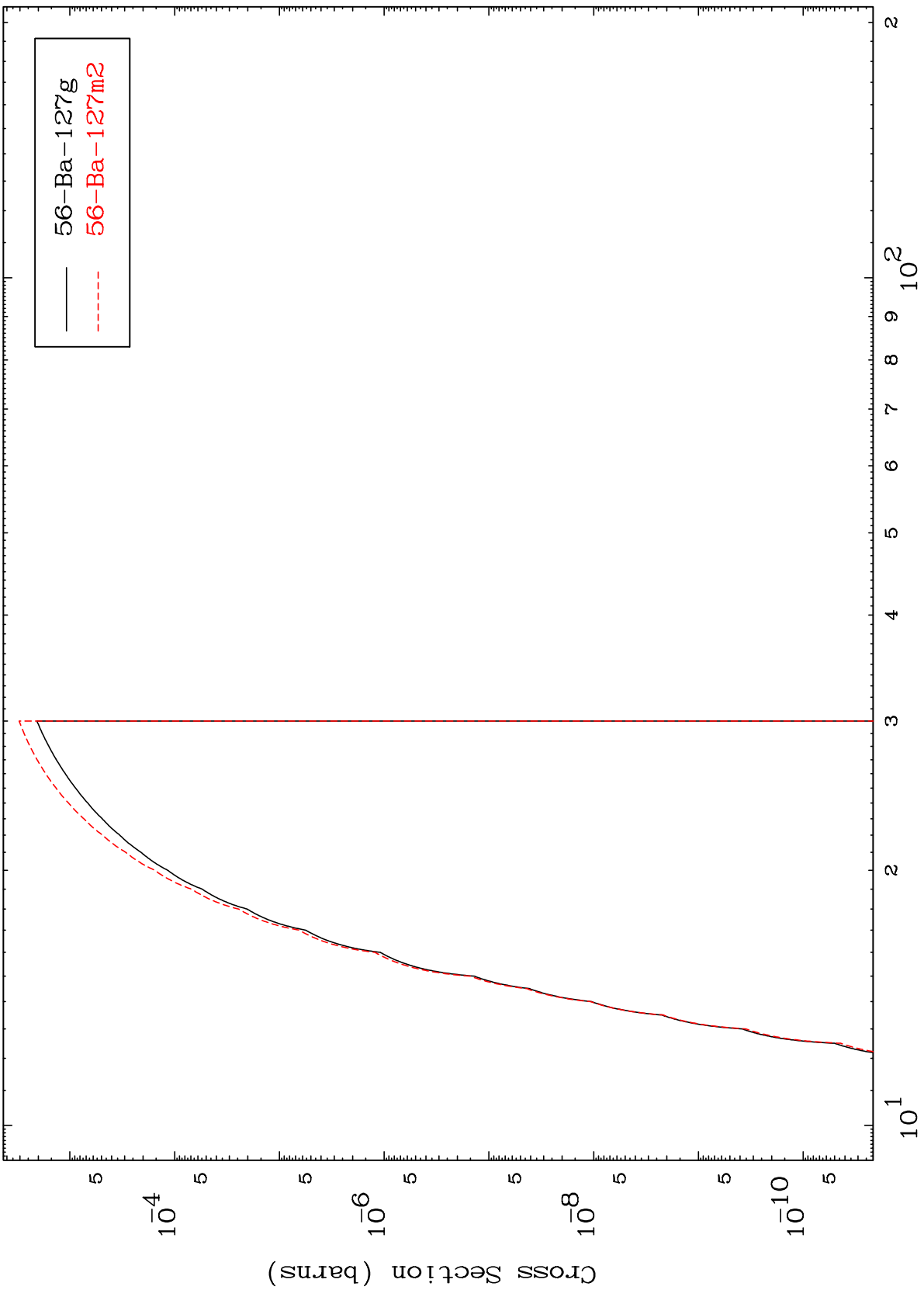
58-Ce-129

MAT 5804

(n,p) d

58-Ce-129

Radionuclide Production Cross Section



91

Incident Energy (MeV)

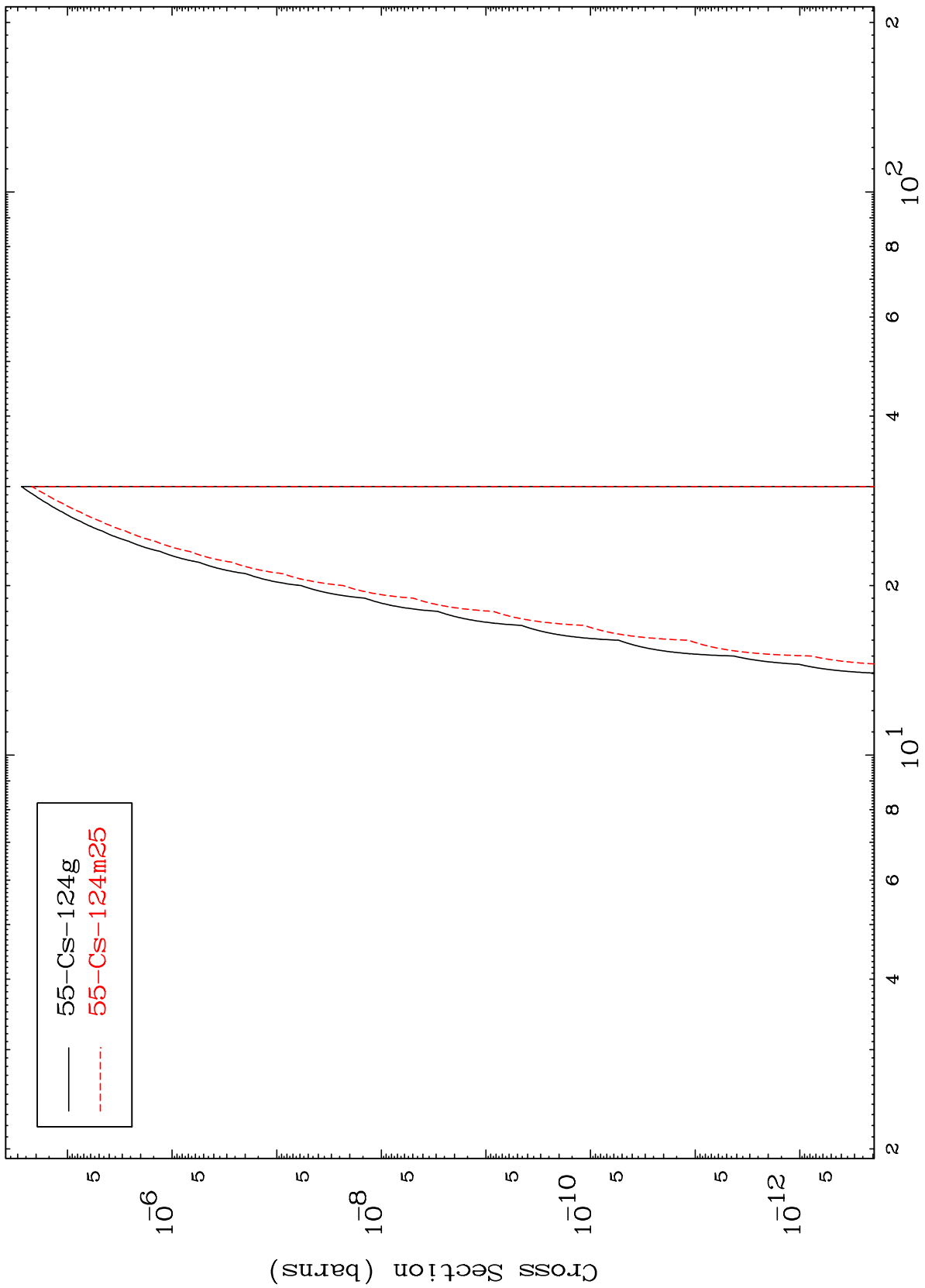
58-Ce-129

MAT 5804

(n,d)  $\alpha$

58-Ce-129

Radionuclide Production Cross Section



92

Incident Energy (MeV)

58-Ce-129