

Program EVALPLOT  
(Version 2018-1)

by

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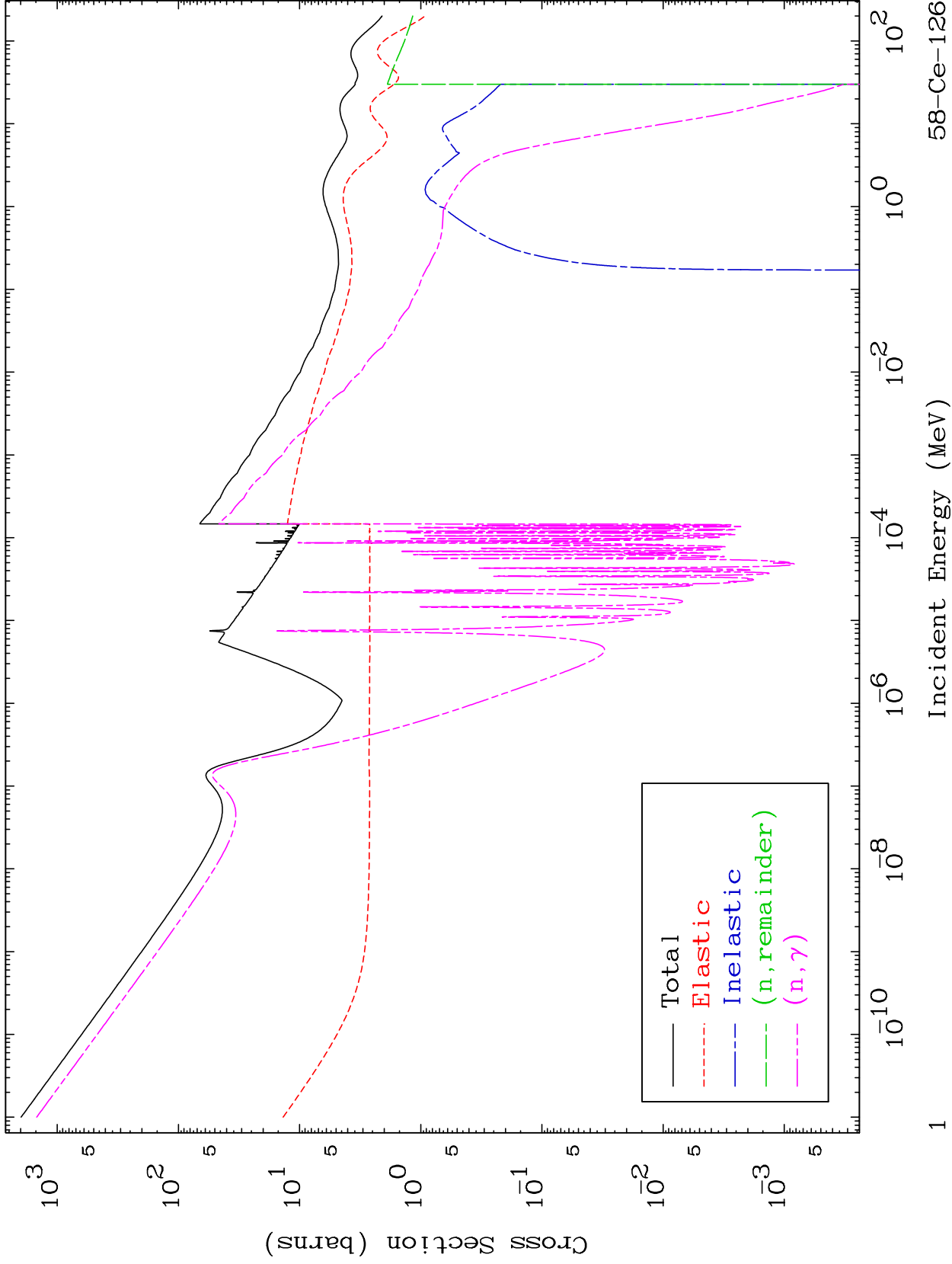
Press Mouse Button to Start

MAT 5795

Major

293 Kelvin Cross Sections

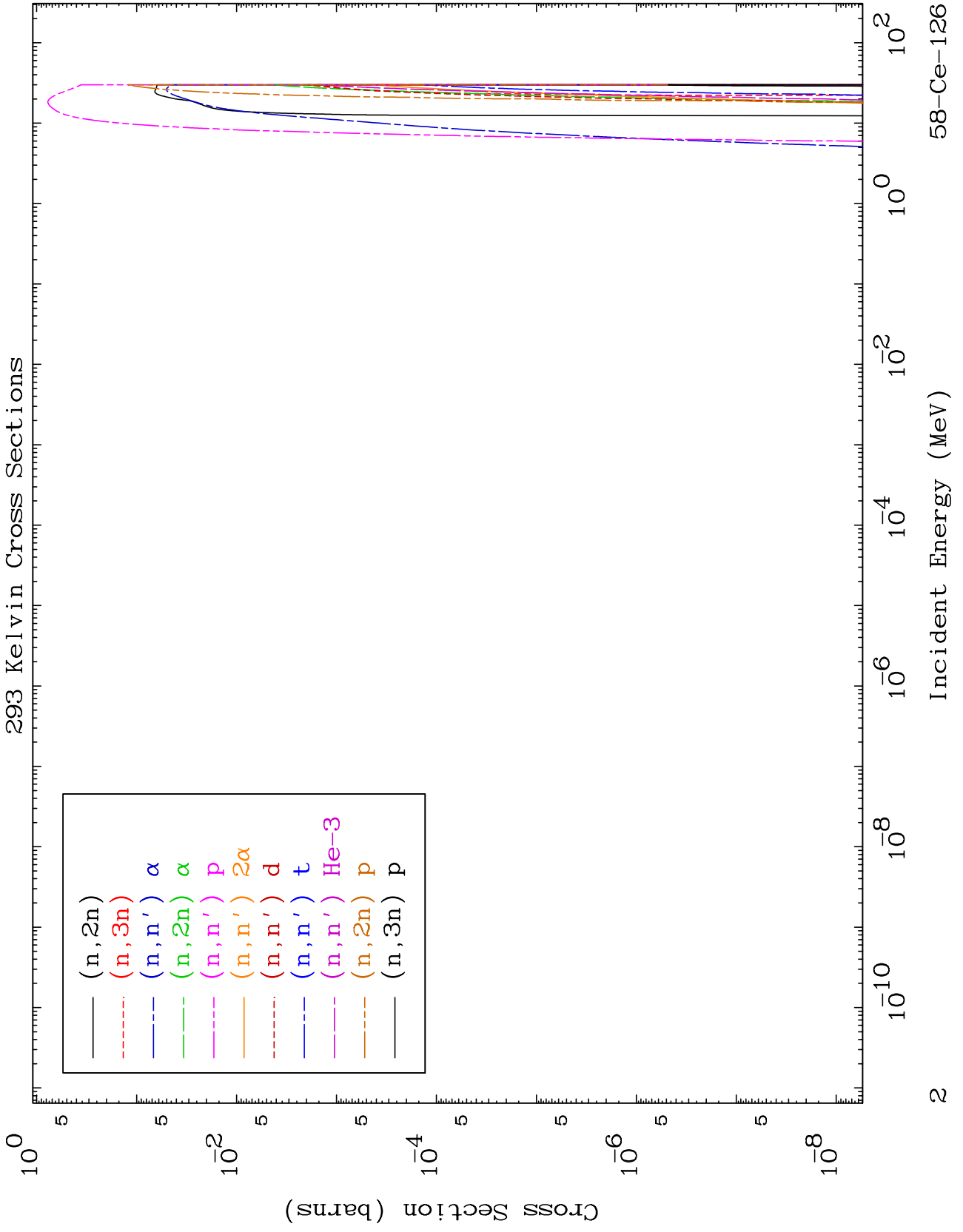
58-Ce-126



MAT 5795

Neutron Production  
293 Kelvin Cross Sections

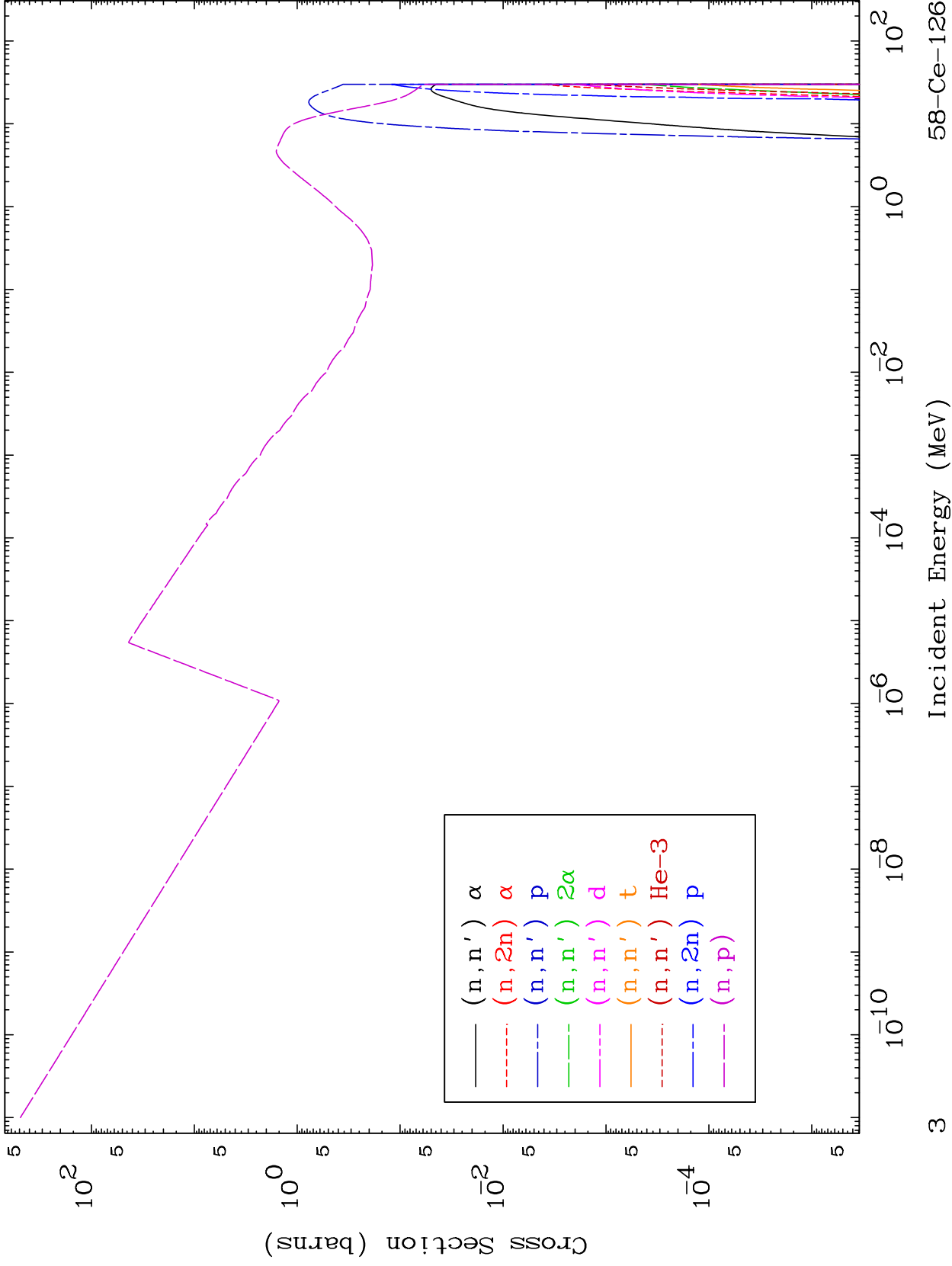
58-Ce-126



MAT 5795

Charged Particle  
293 Kelvin Cross Sections

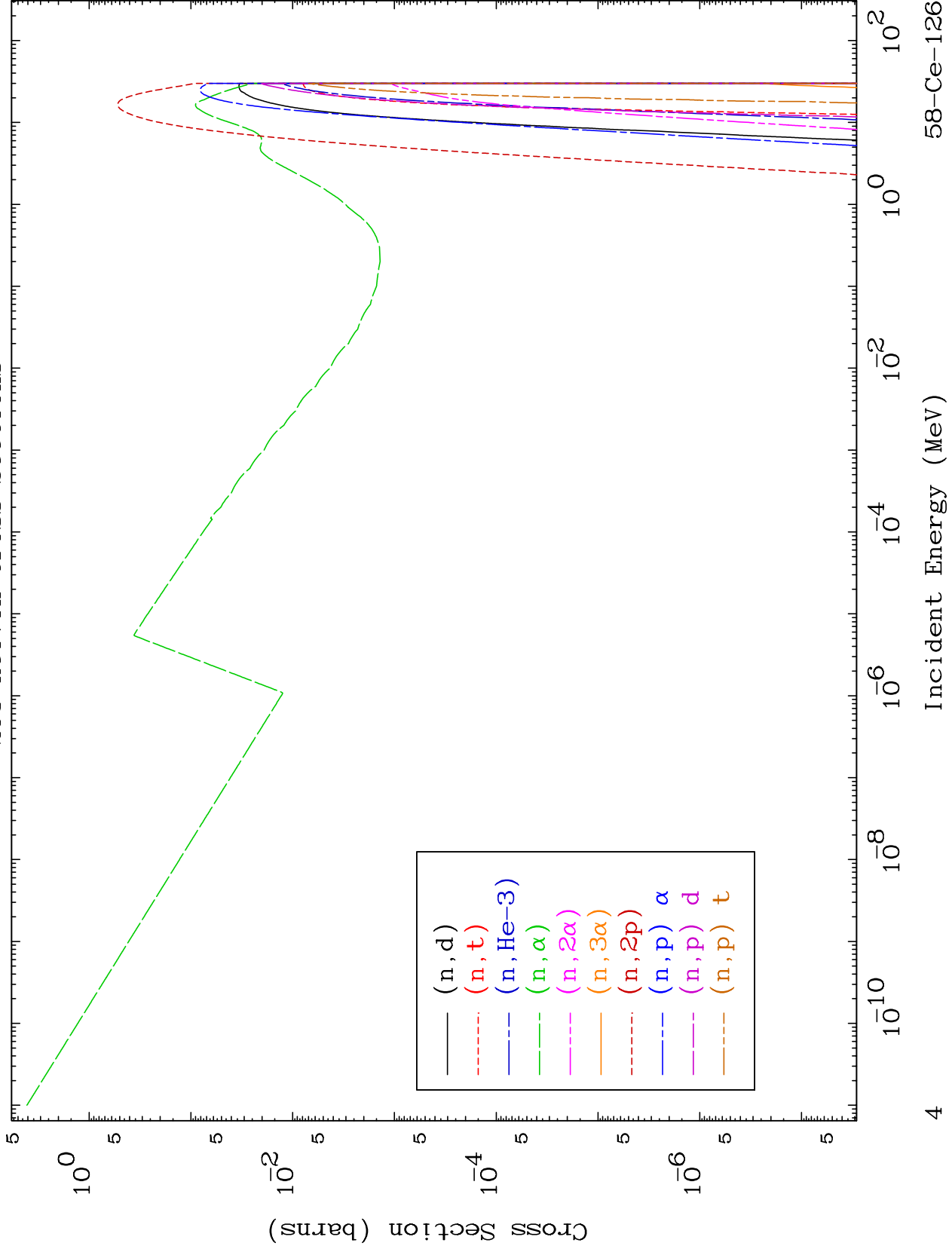
58-Ce-126



MAT 5795

Charged Particle  
293 Kelvin Cross Sections

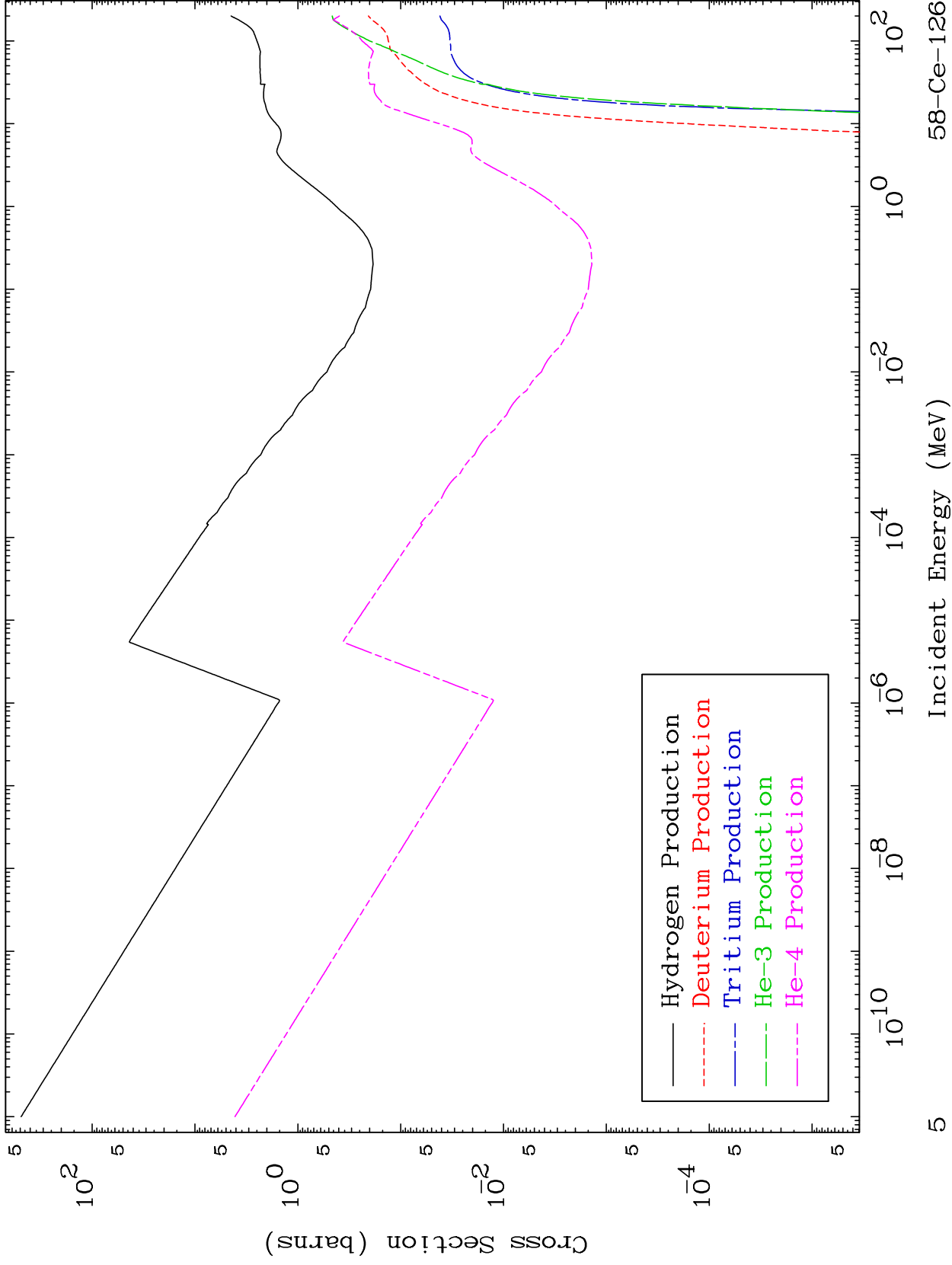
58-Ce-126



MAT 5795

Particle Production  
293 Kelvin Cross Sections

58-Ce-126

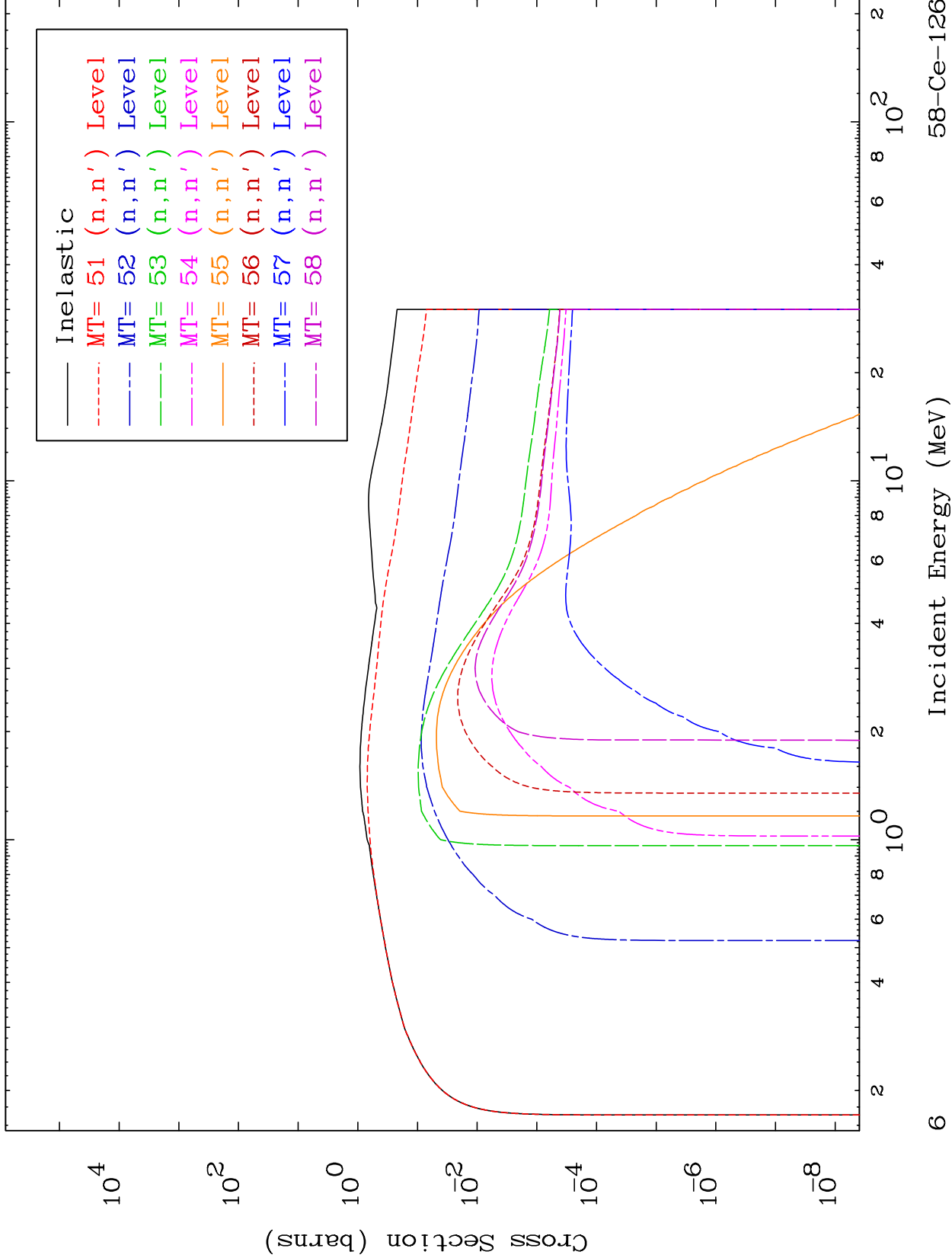


MAT 5795

(n,n') Level

58-Ce-126

293 Kelvin Cross Sections



6

Incident Energy (MeV)

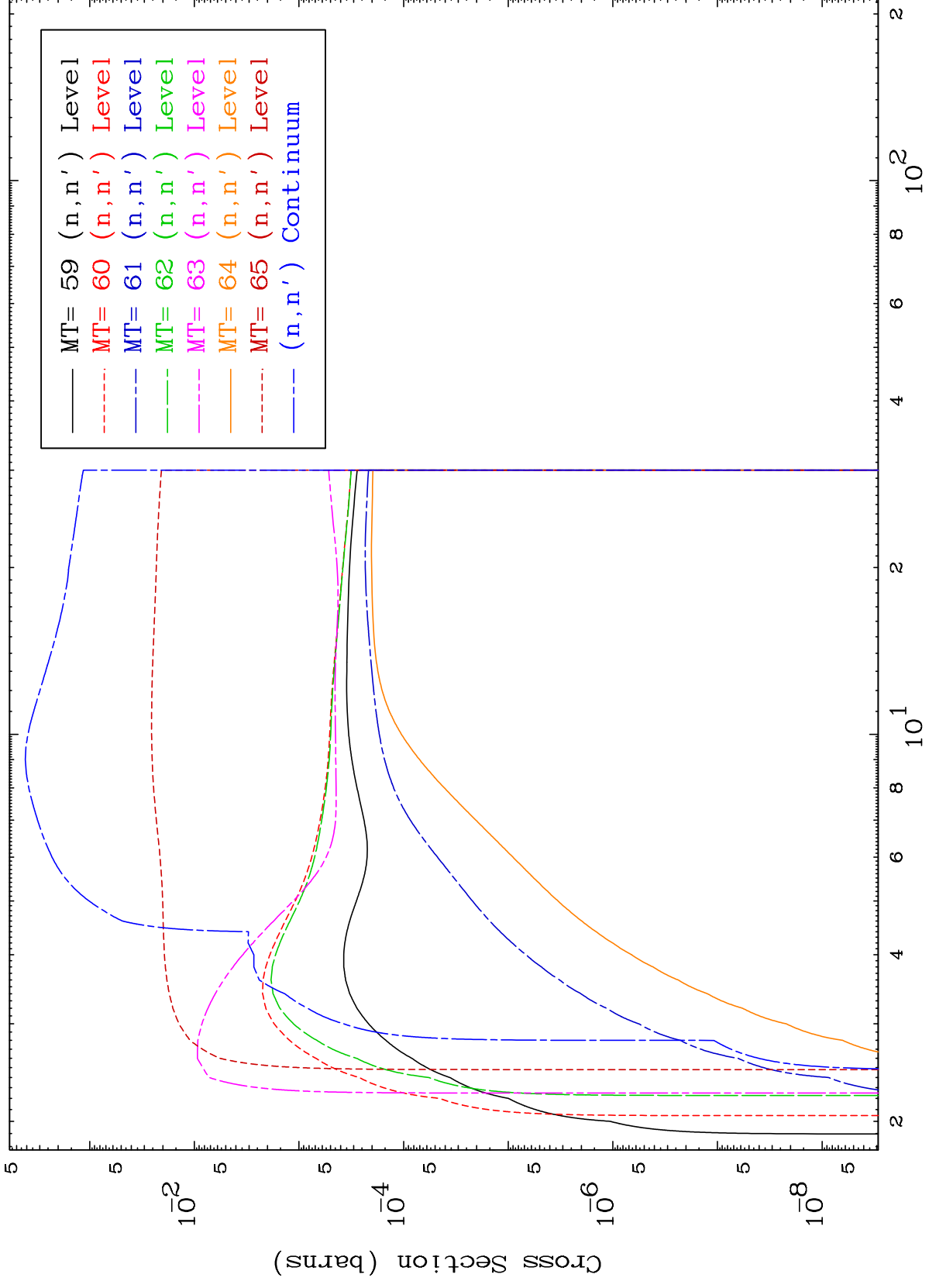
58-Ce-126

MAT 5795

(n,n') Level

58-Ce-126

293 Kelvin Cross Sections



7

Incident Energy (MeV)

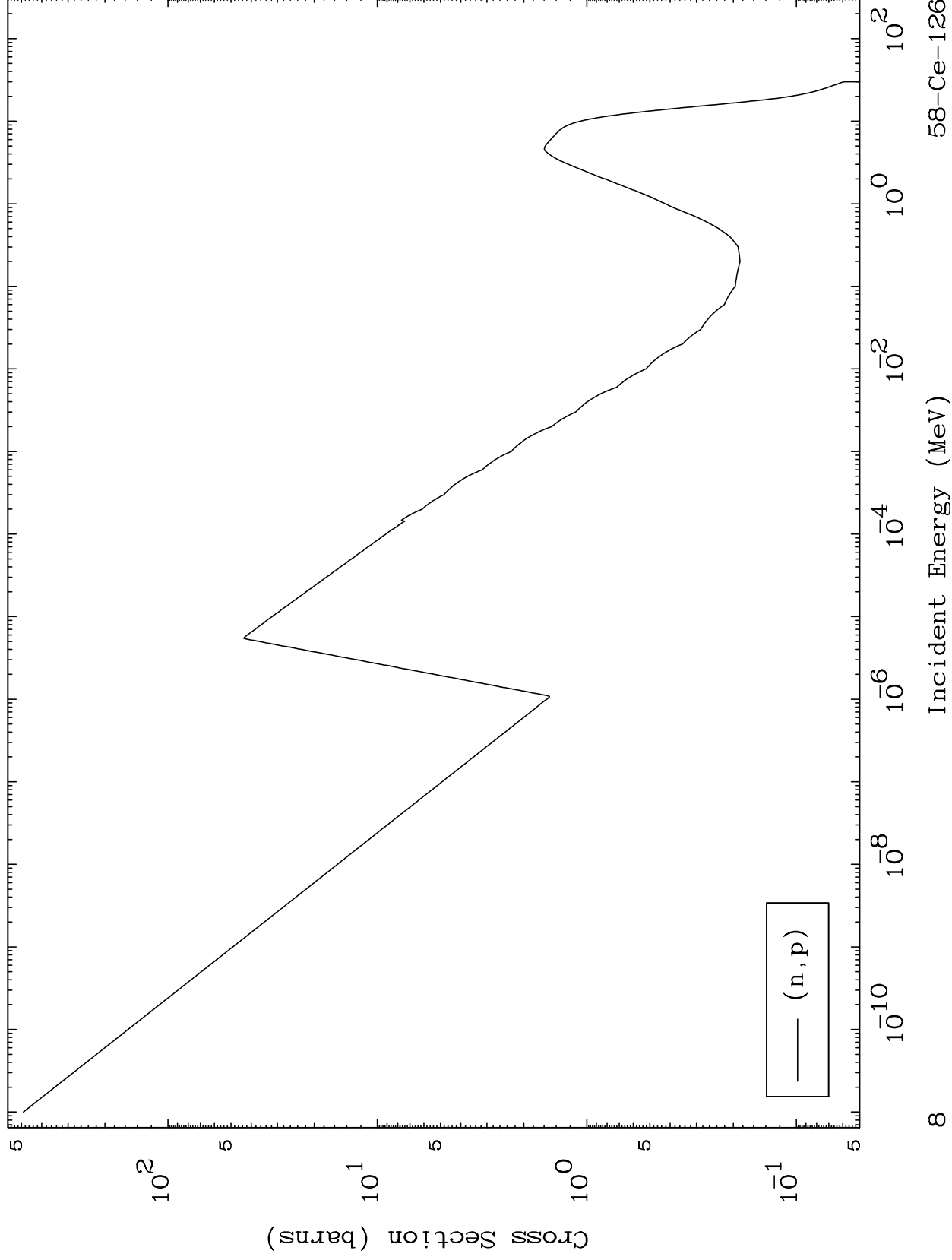
58-Ce-126



MAT 5795

(n,p) Levels  
293 Kelvin Cross Sections

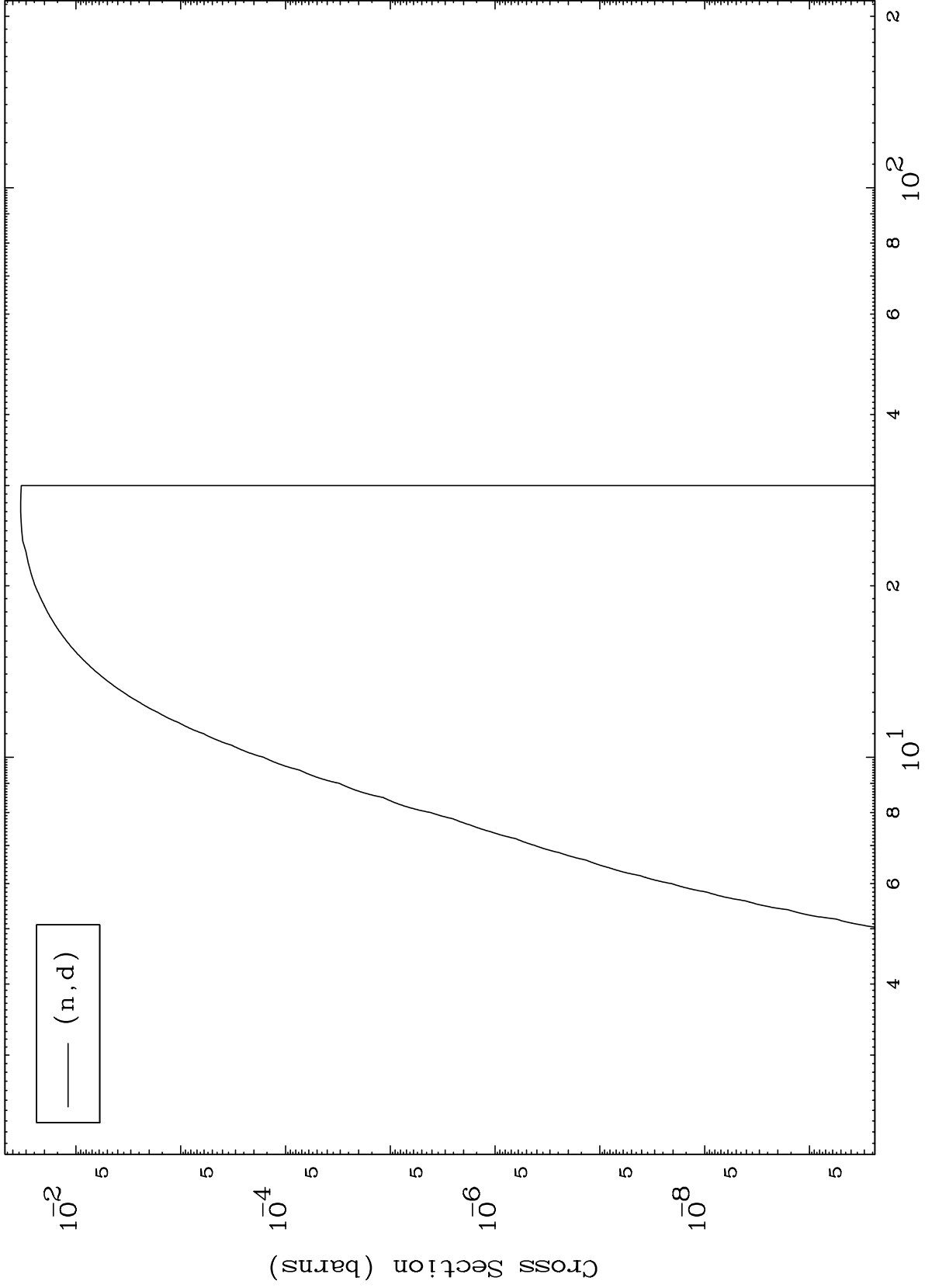
58-Ce-126



MAT 5795

(n,d) Levels  
293 Kelvin Cross Sections

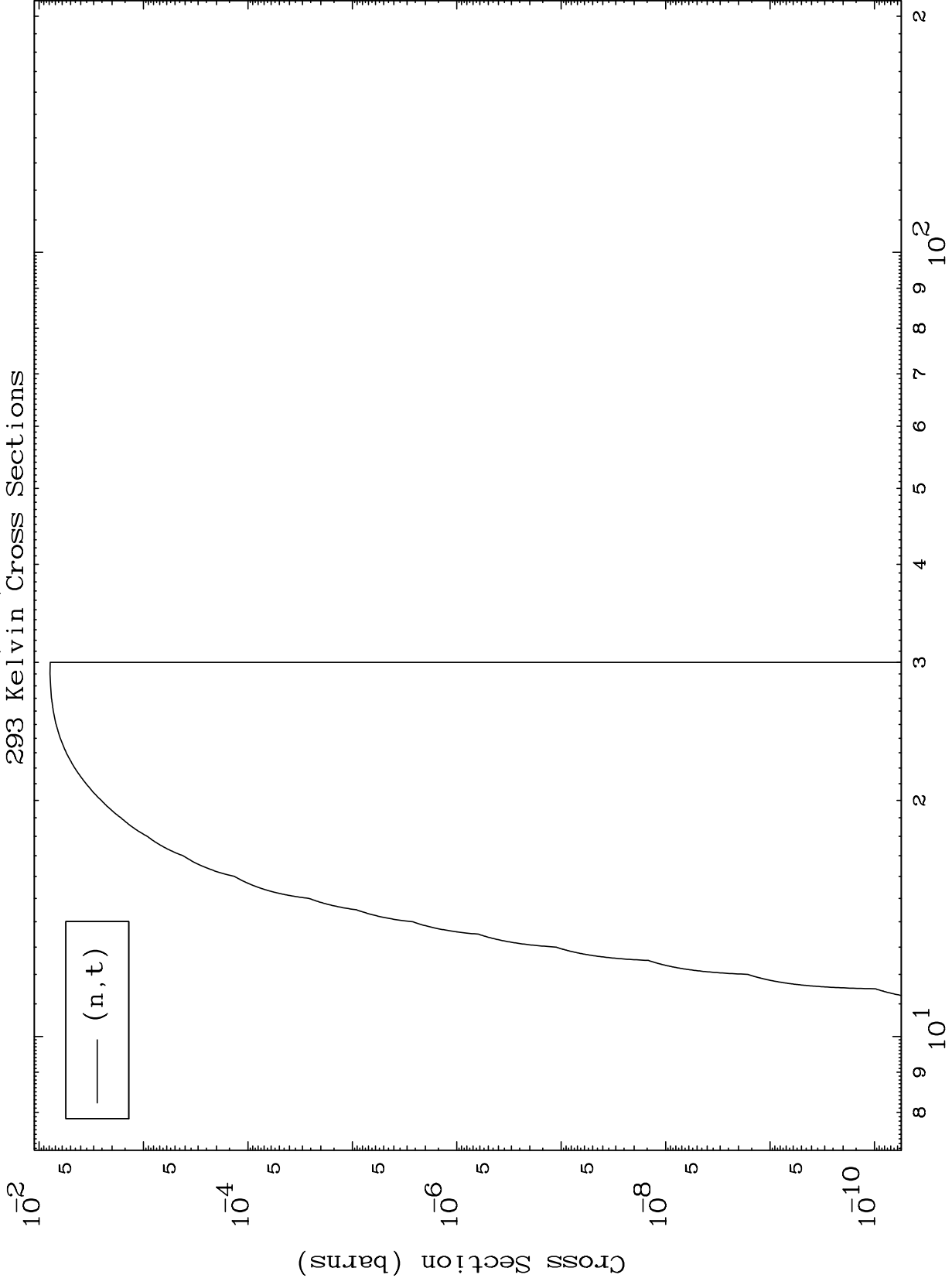
58-Ce-126



MAT 5795

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-126



10

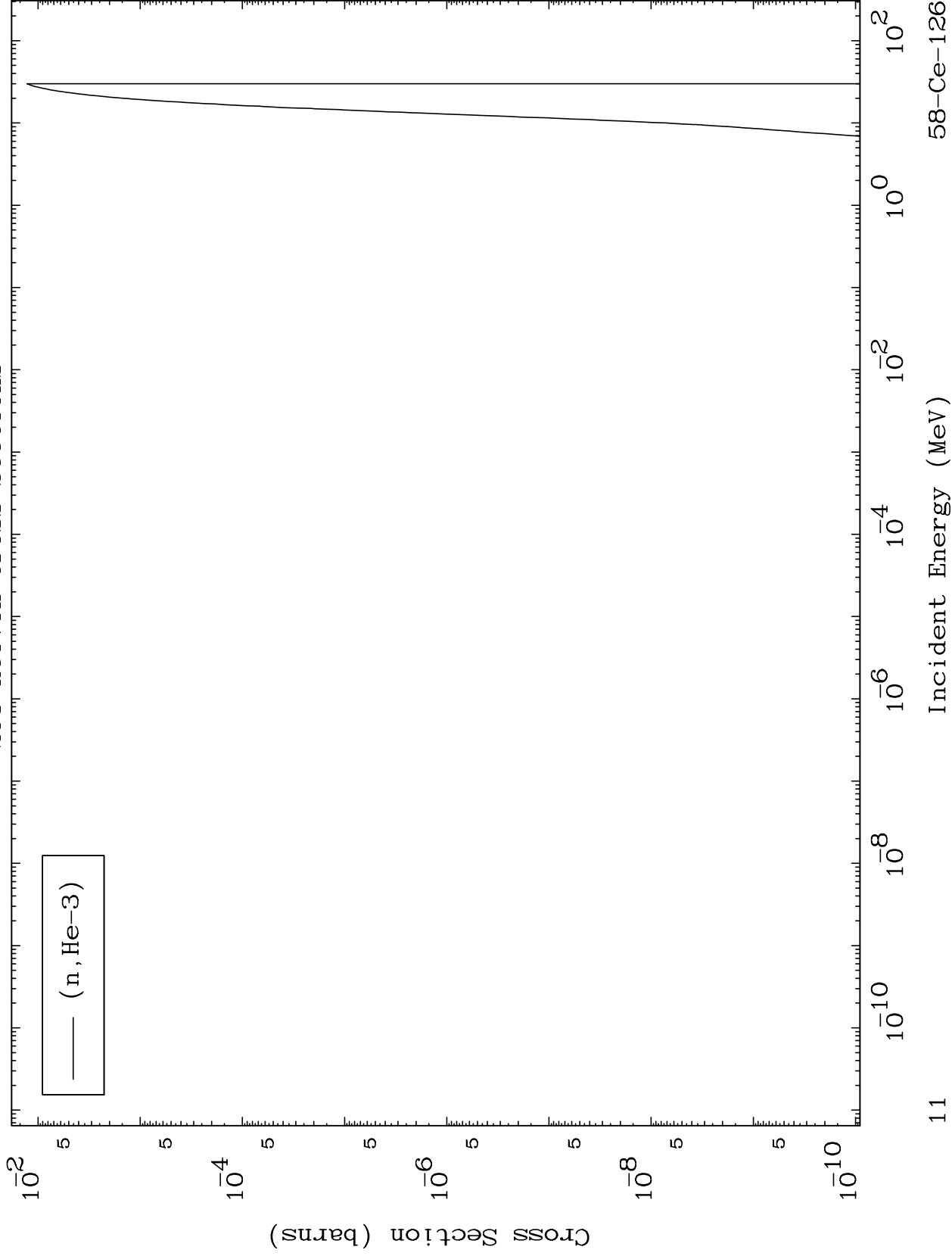
Incident Energy (MeV)

58-Ce-126

MAT 5795

(n,He3) Levels  
293 Kelvin Cross Sections

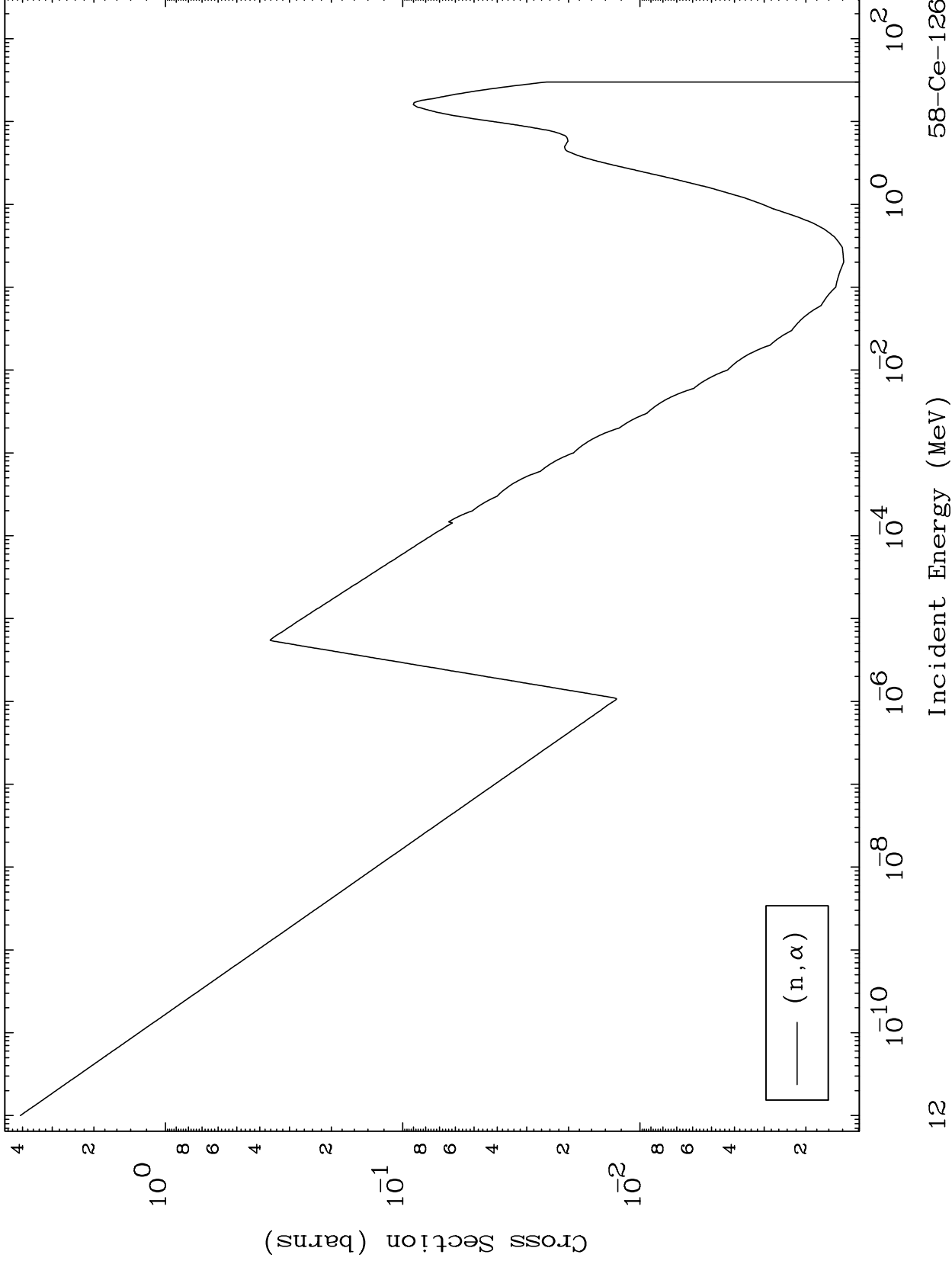
58-Ce-126



MAT 5795

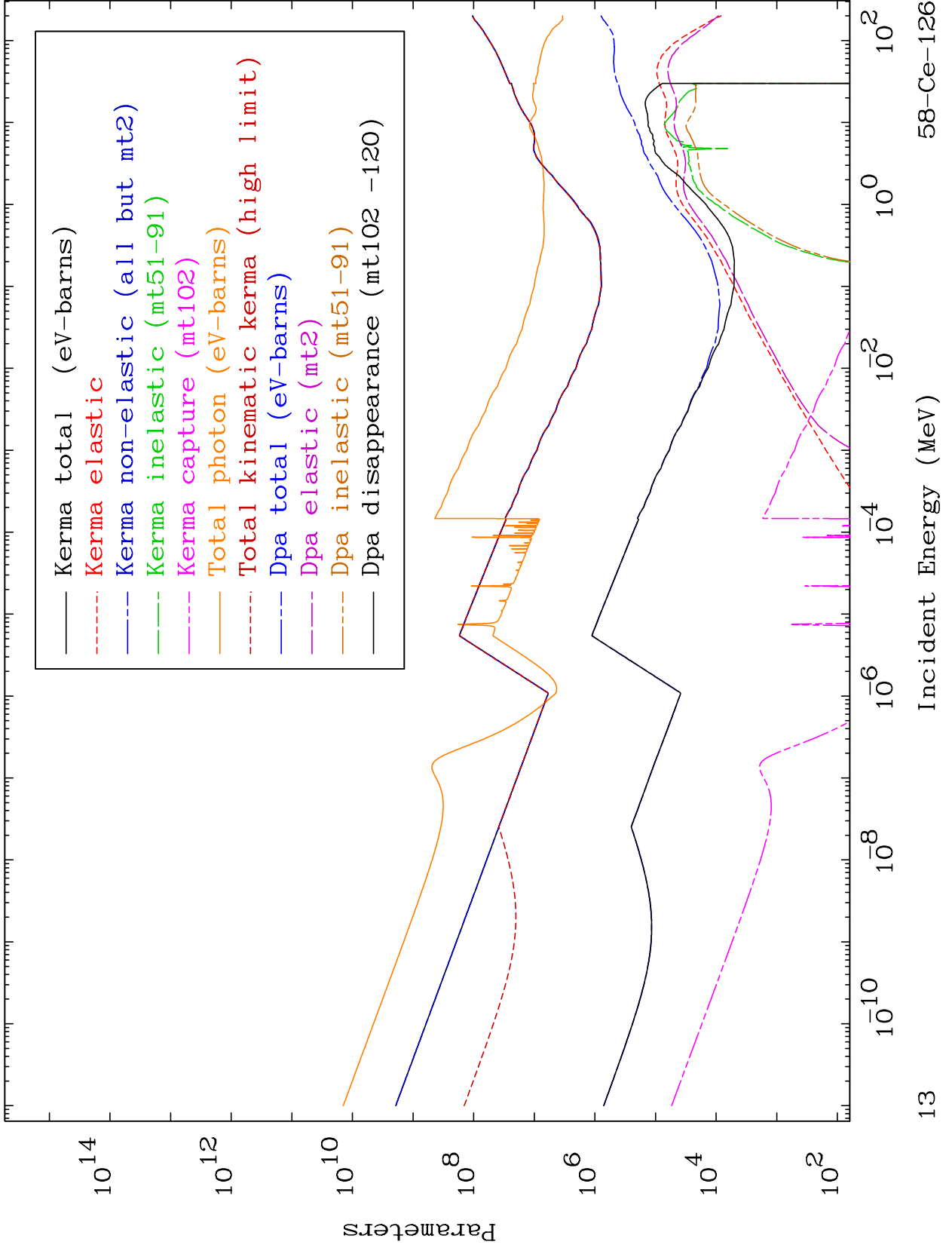
(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-126



12

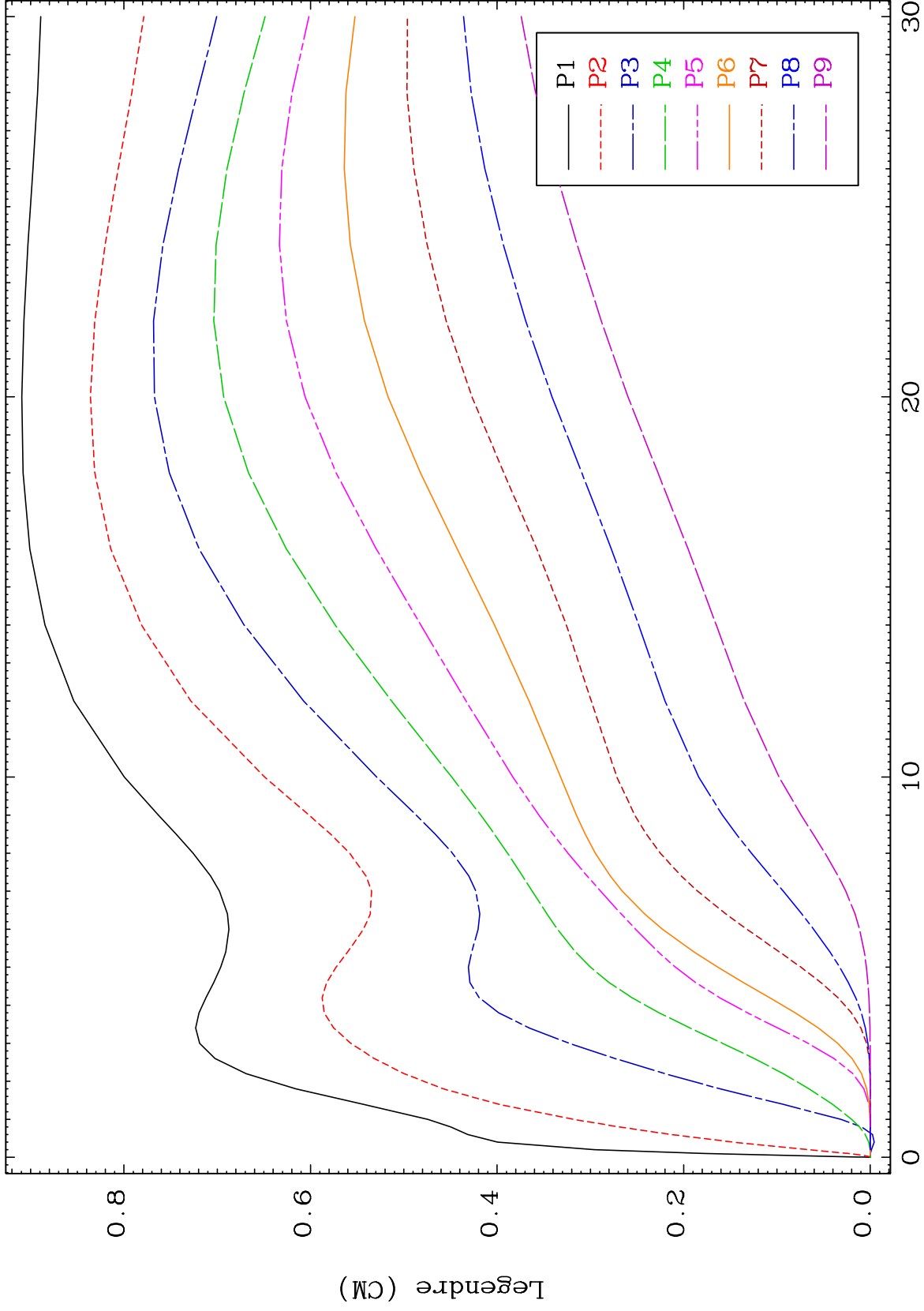
58-Ce-126



MAT 5795

58-Ce-126

Elastic Legendre Coefficients



58-Ce-126

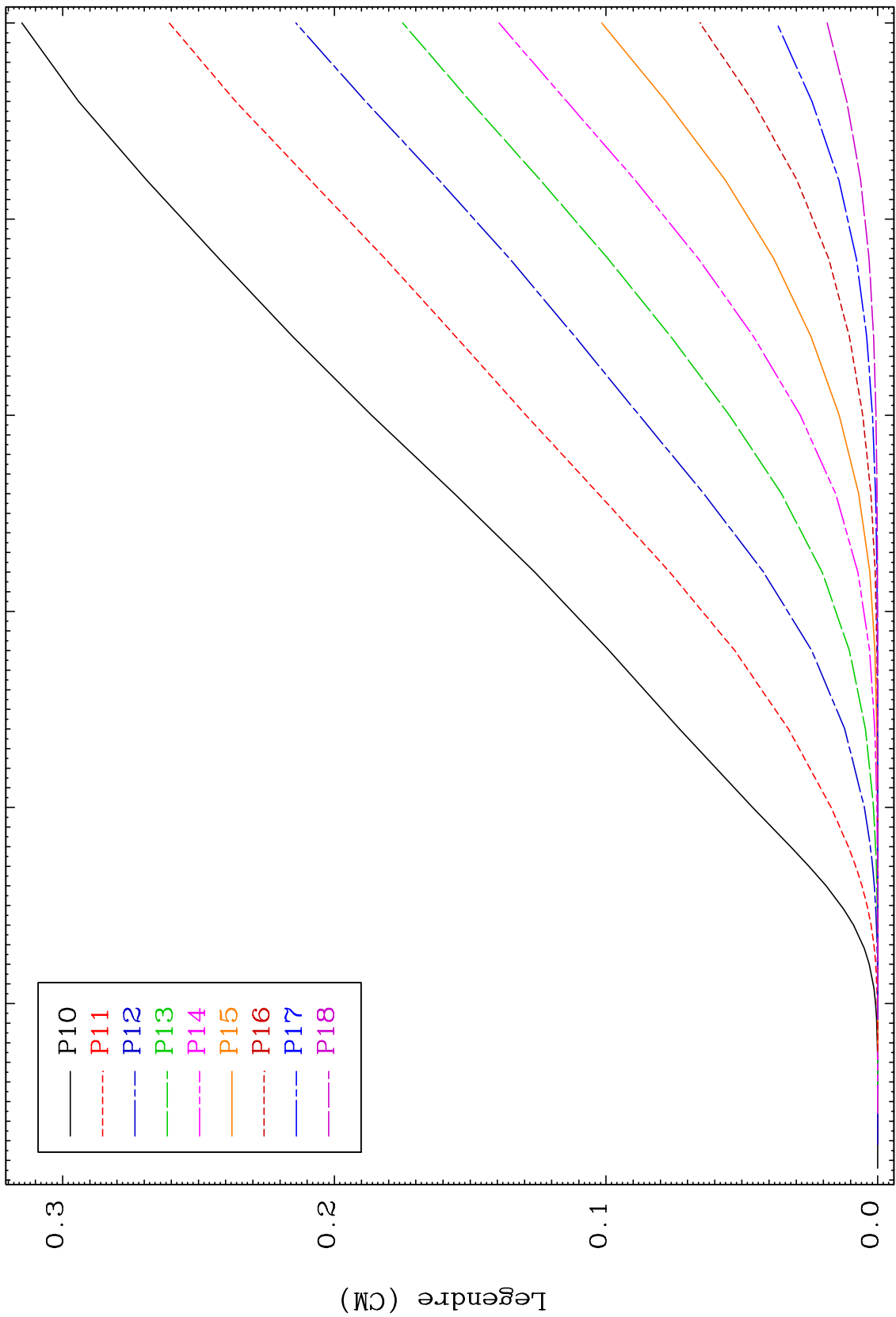
Incident Energy (MeV)

14

MAT 5795

Elastic Legendre Coefficients

58-Ce-126



15

Incident Energy (MeV)

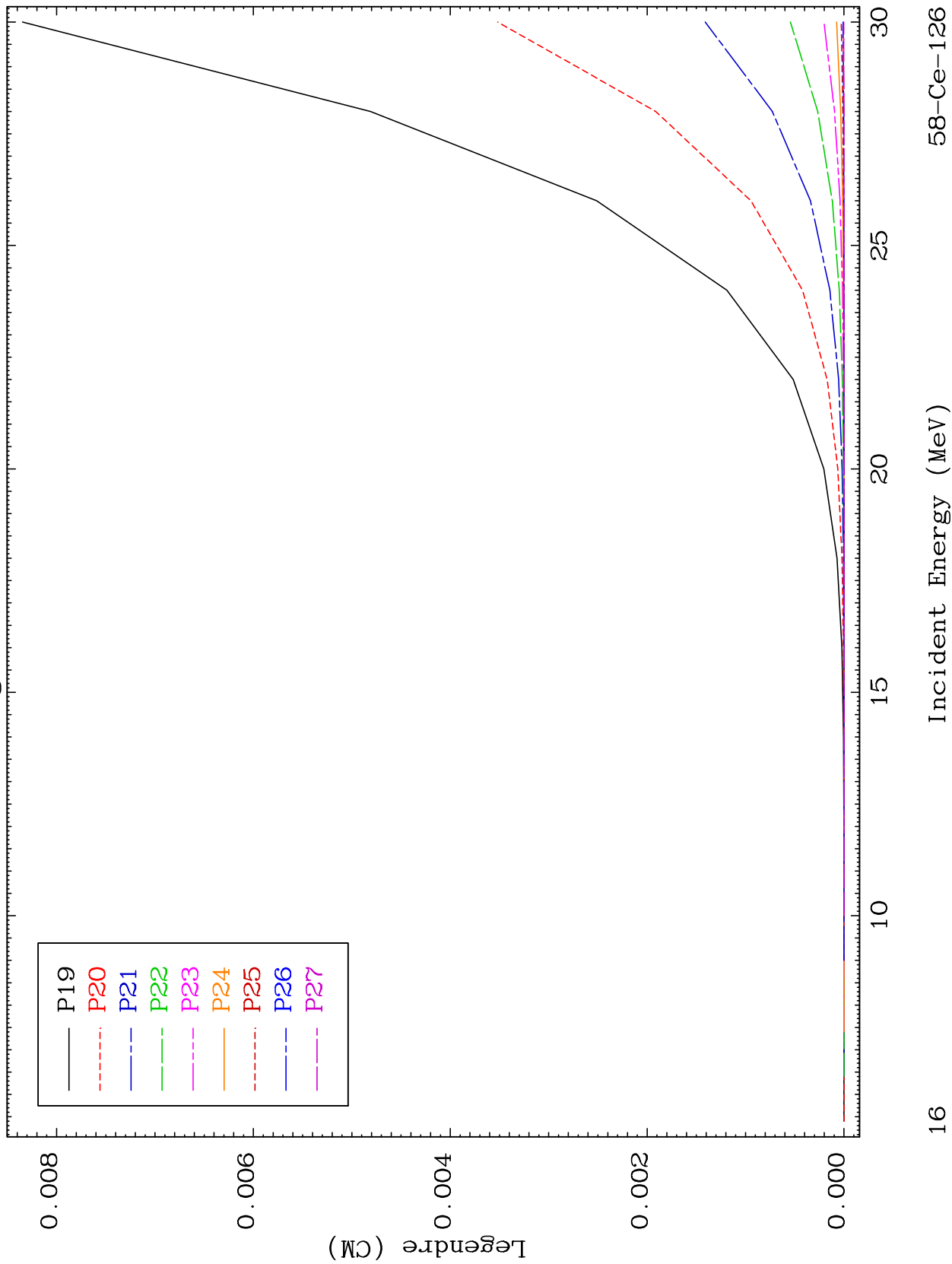
58-Ce-126



MAT 5795

Elastic Legendre Coefficients

58-Ce-126



16

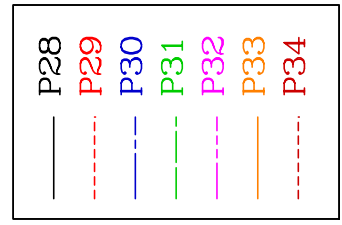
Incident Energy (MeV)

58-Ce-126

MAT 5795

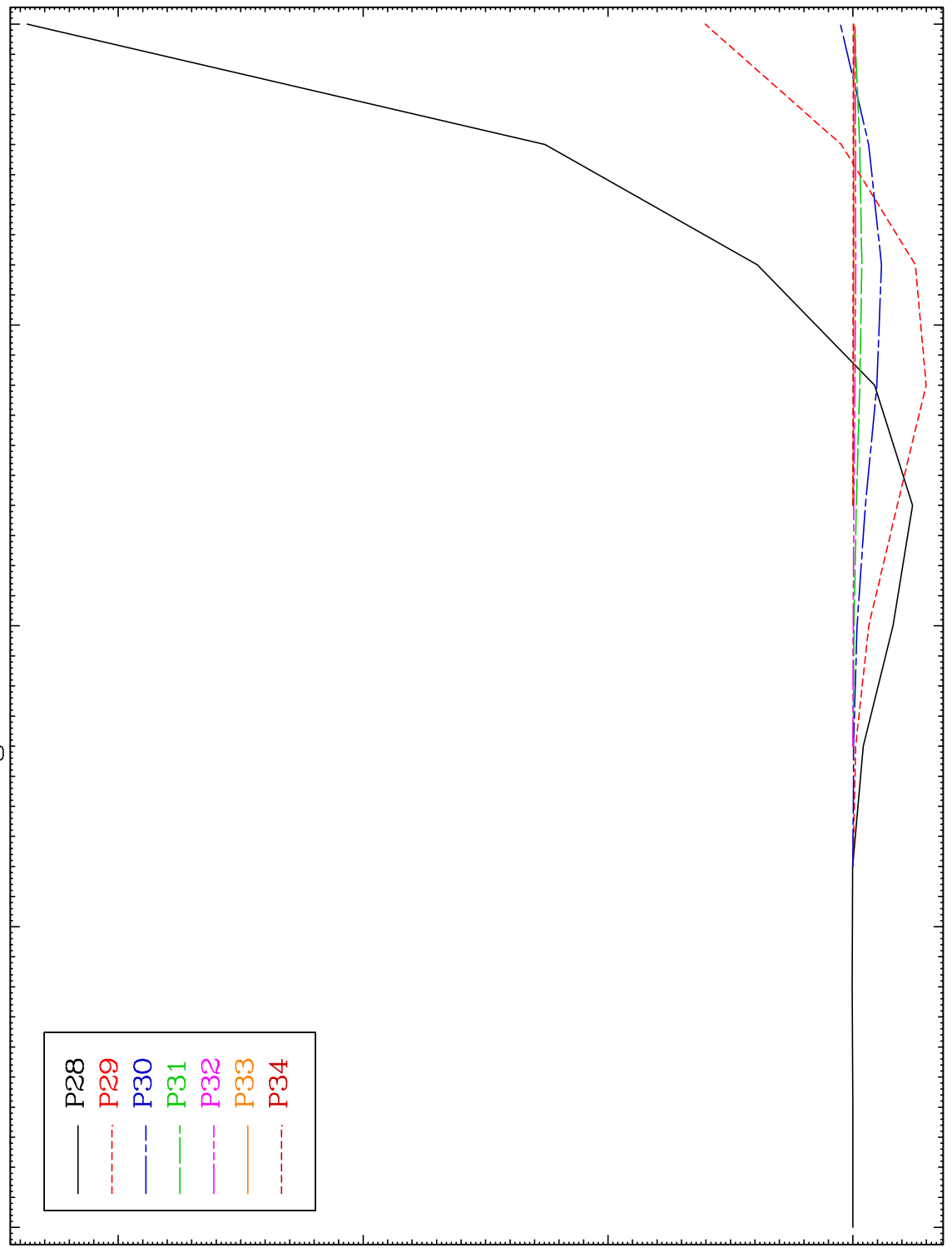
Elastic Legendre Coefficients

58-Ce-126



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

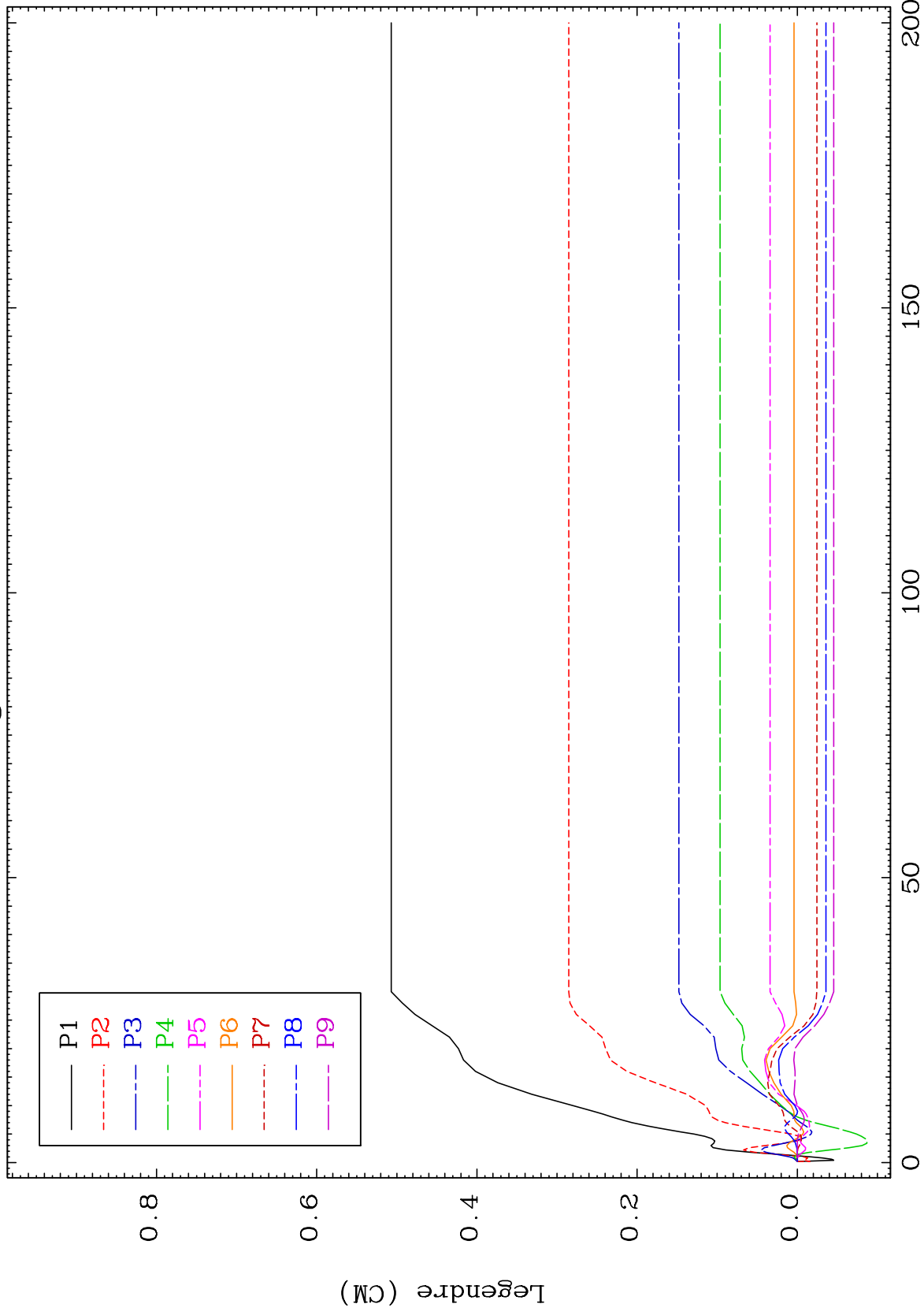
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



58-Ce-126

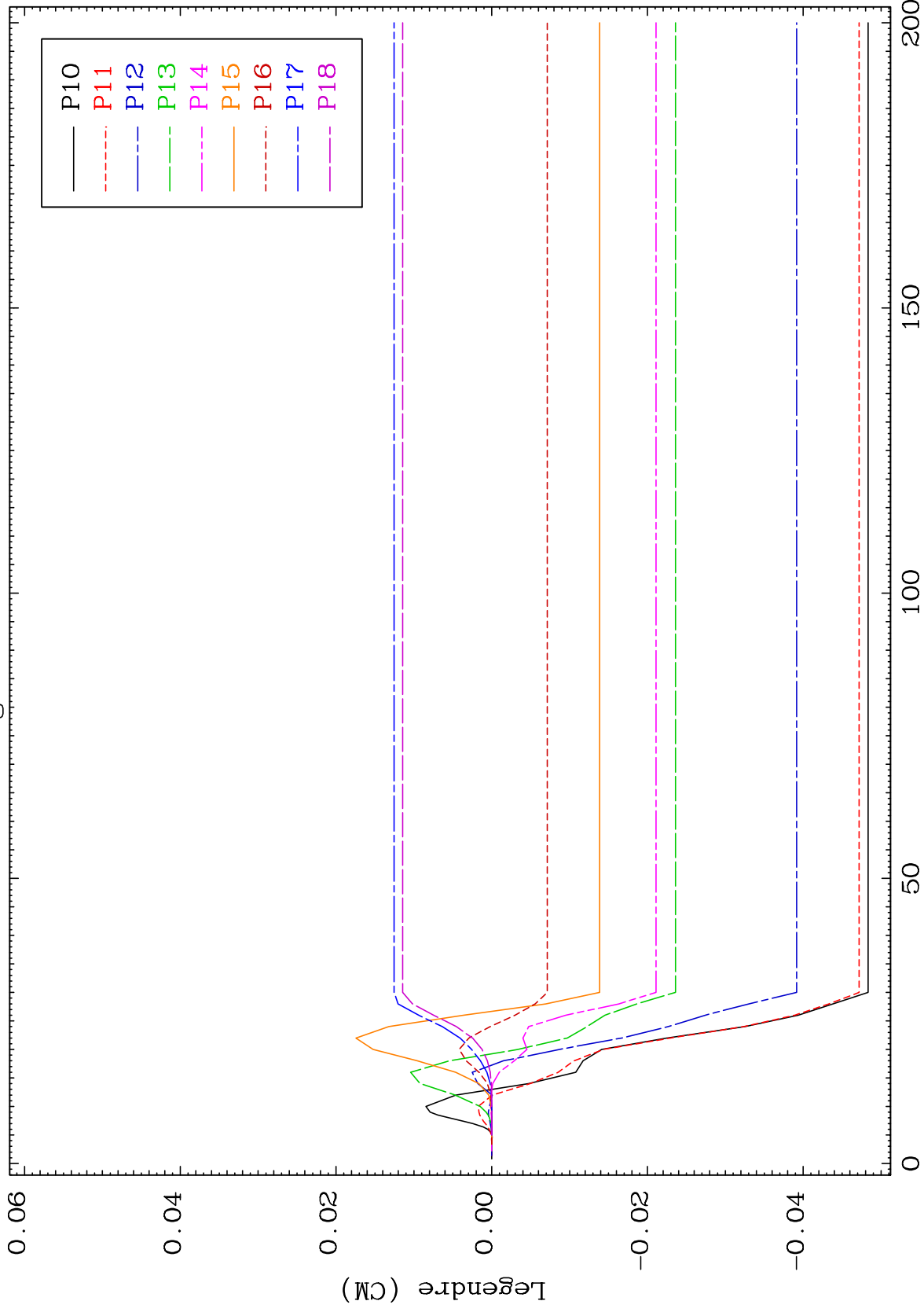
Incident Energy (MeV)

18

MAT 5795

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

58-Ce-126



19

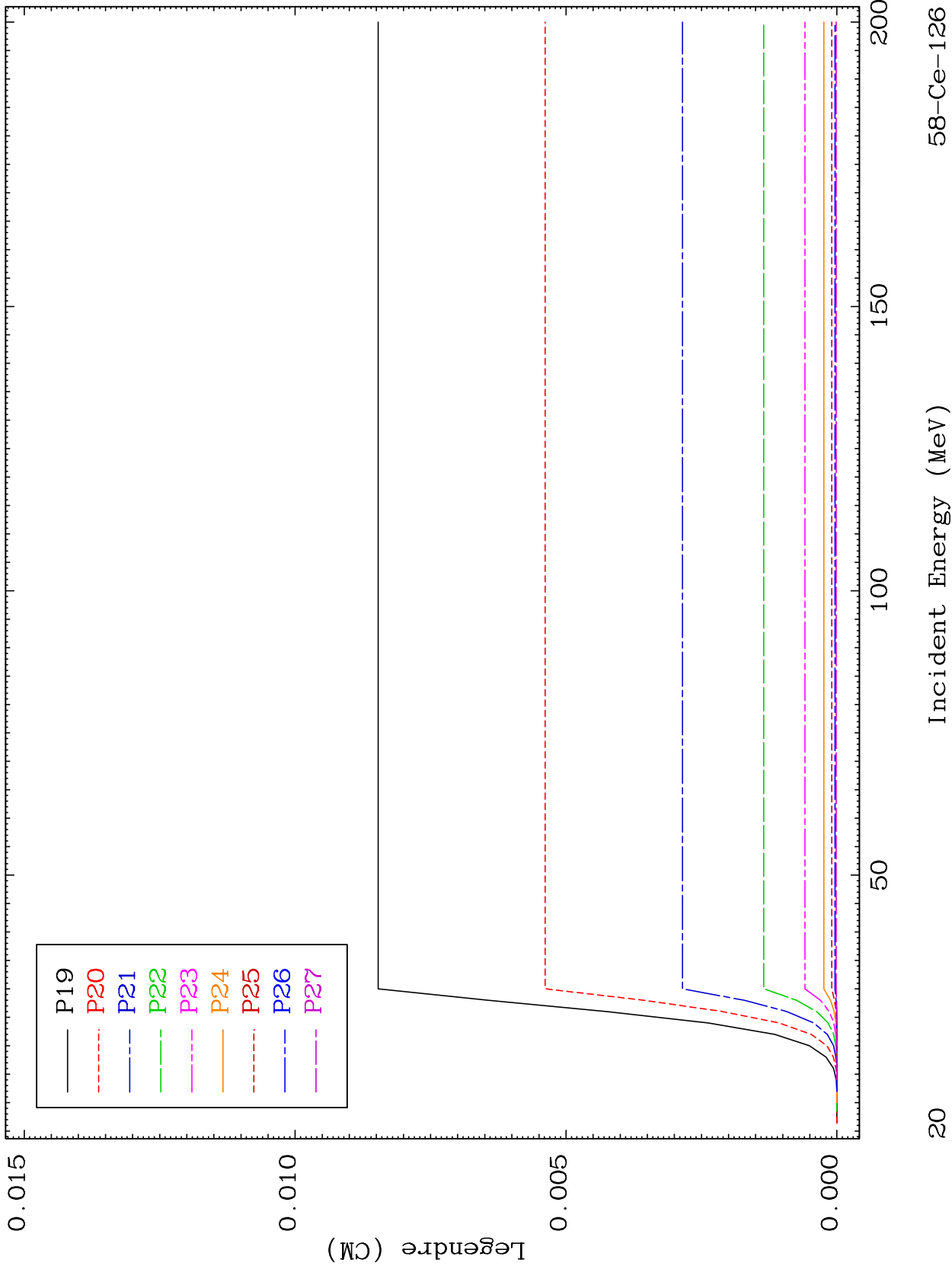
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

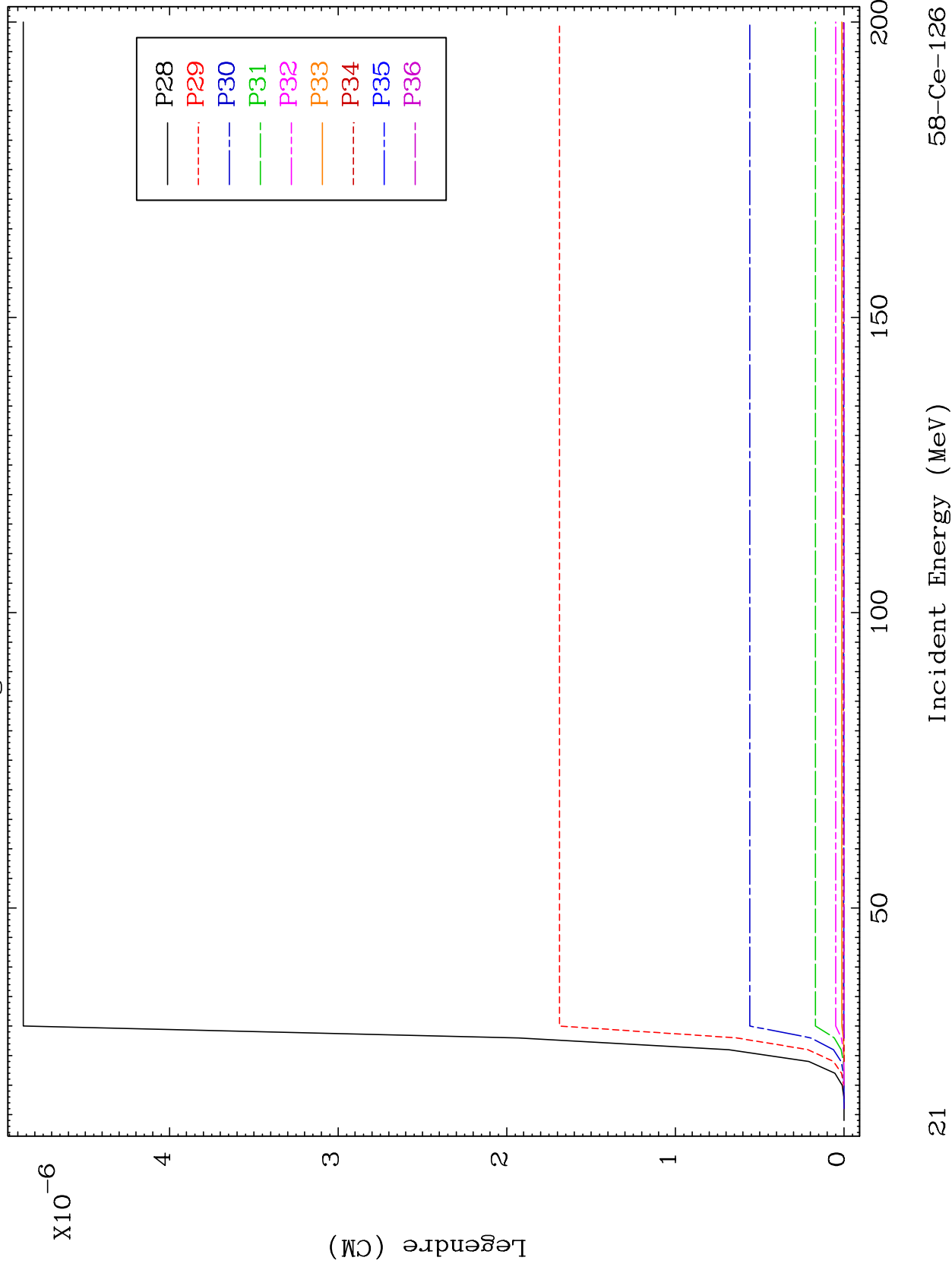
58-Ce-126



MAT 5795

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

58-Ce-126

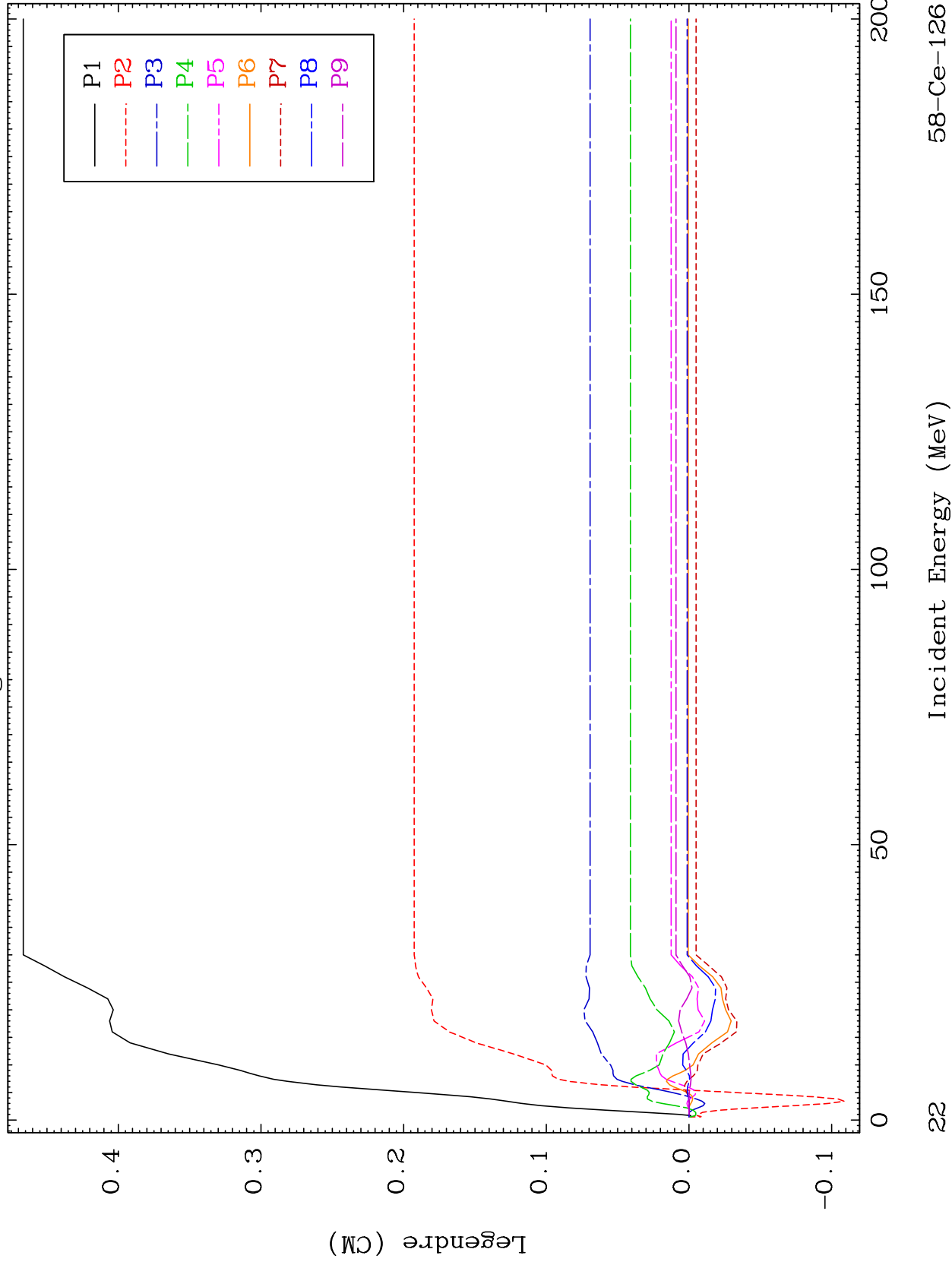


21

MAT 5795

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

58-Ce-126



58-Ce-126

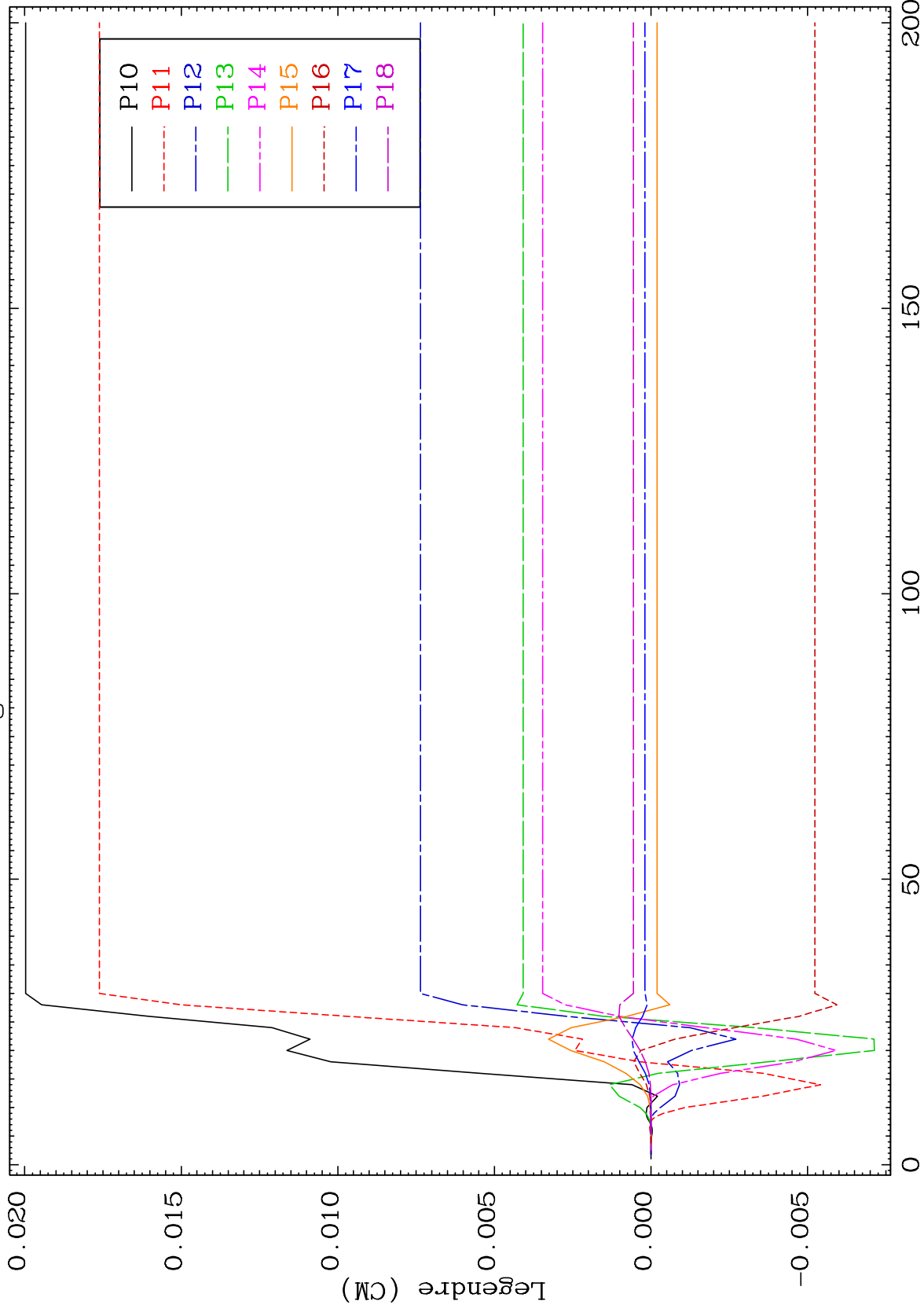
Incident Energy (MeV)

22

MAT 5795

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

58-Ce-126



23

Incident Energy (MeV)

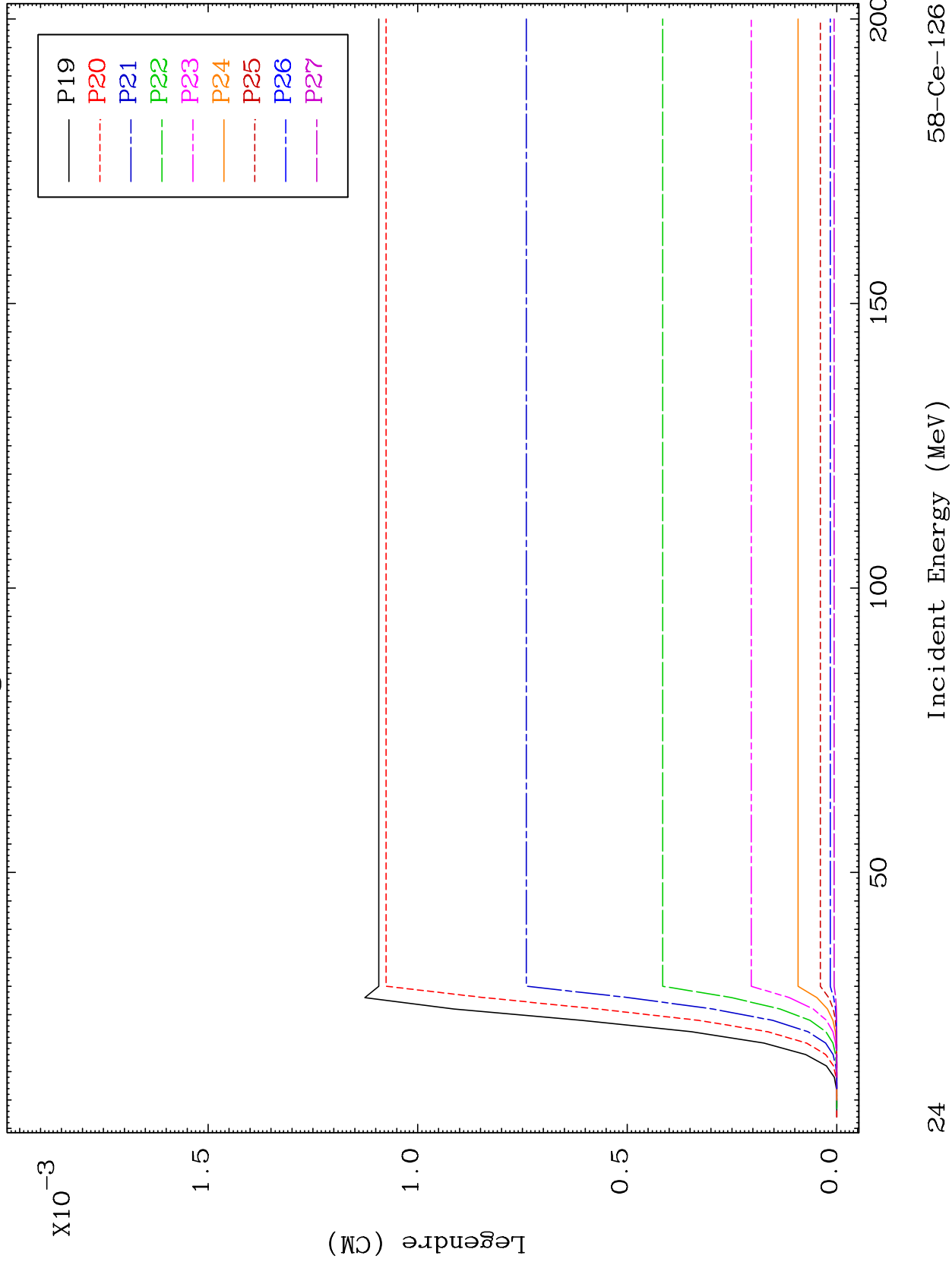
58-Ce-126



MAT 5795

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

58-Ce-126

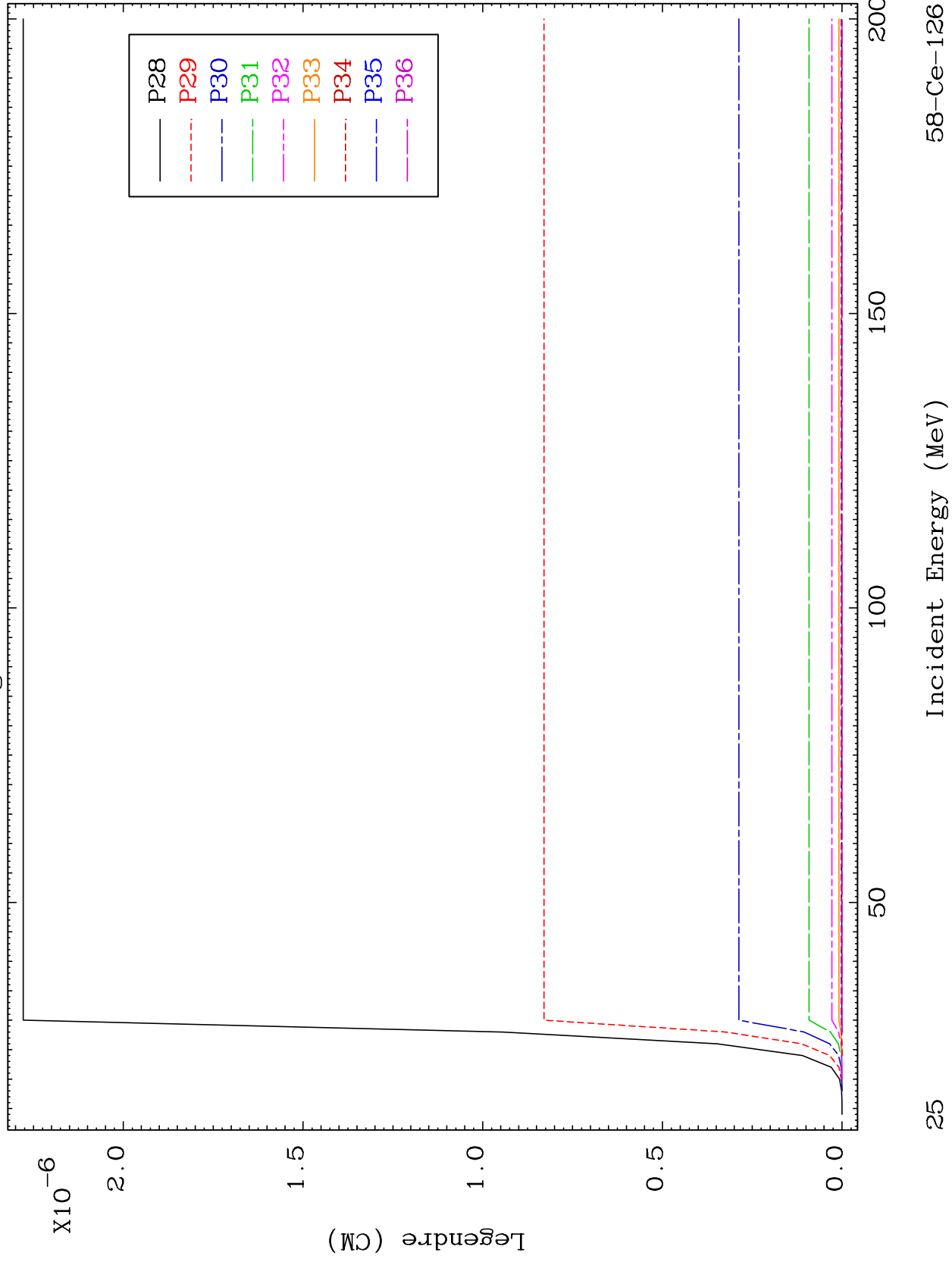


24

MAT 5795

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

58-Ce-126

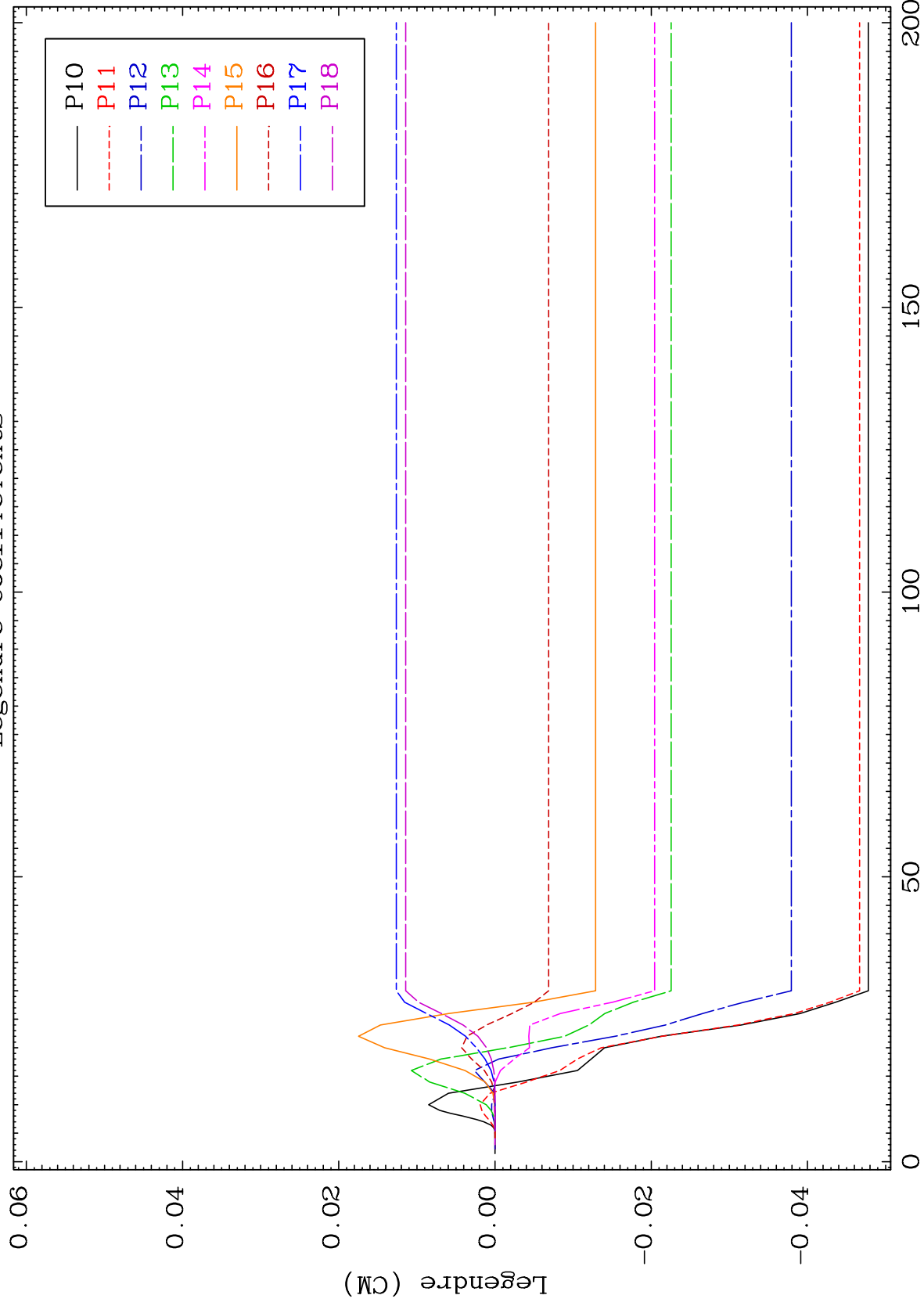




MAT 5795

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

58-Ce-126



27

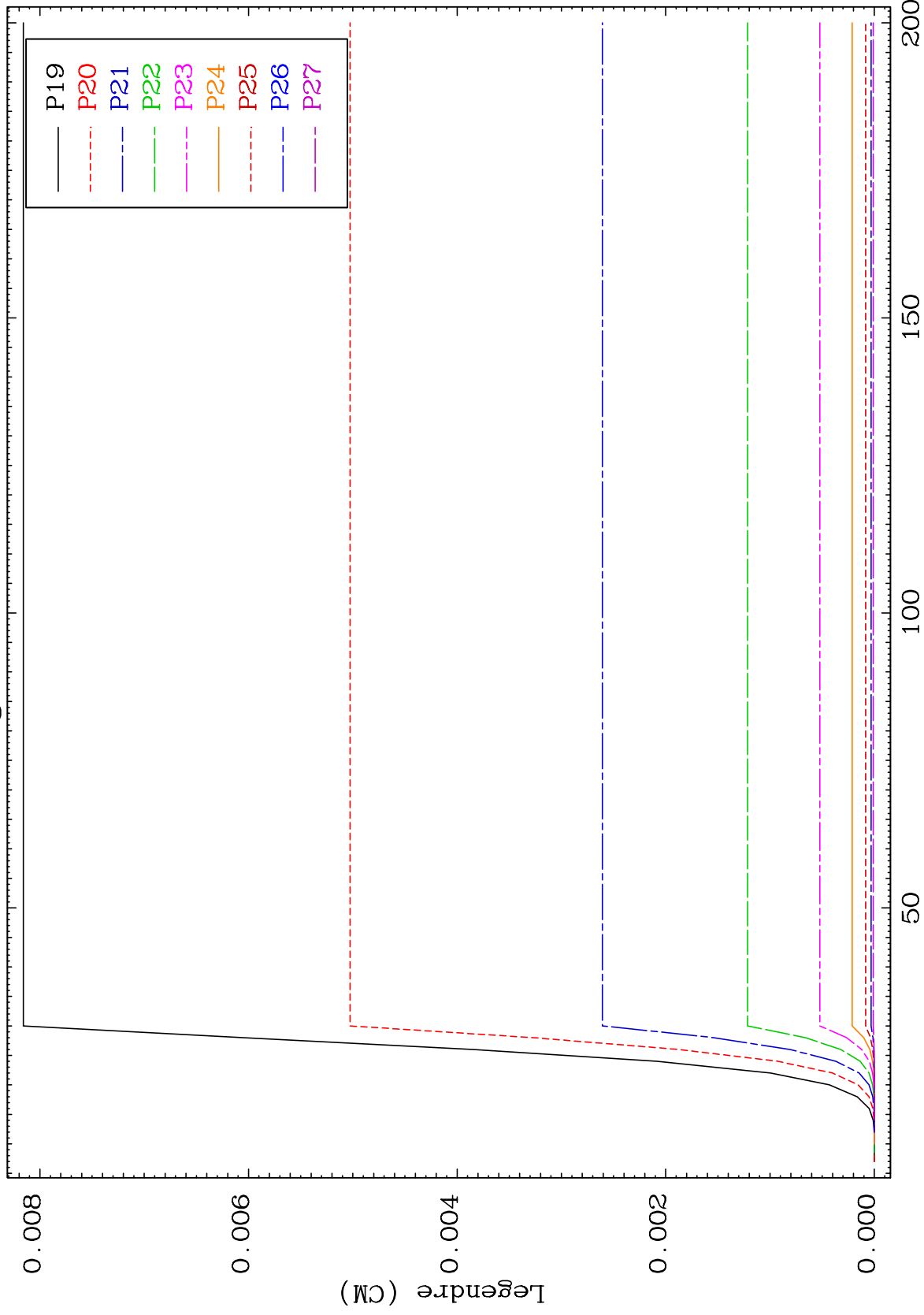
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



28

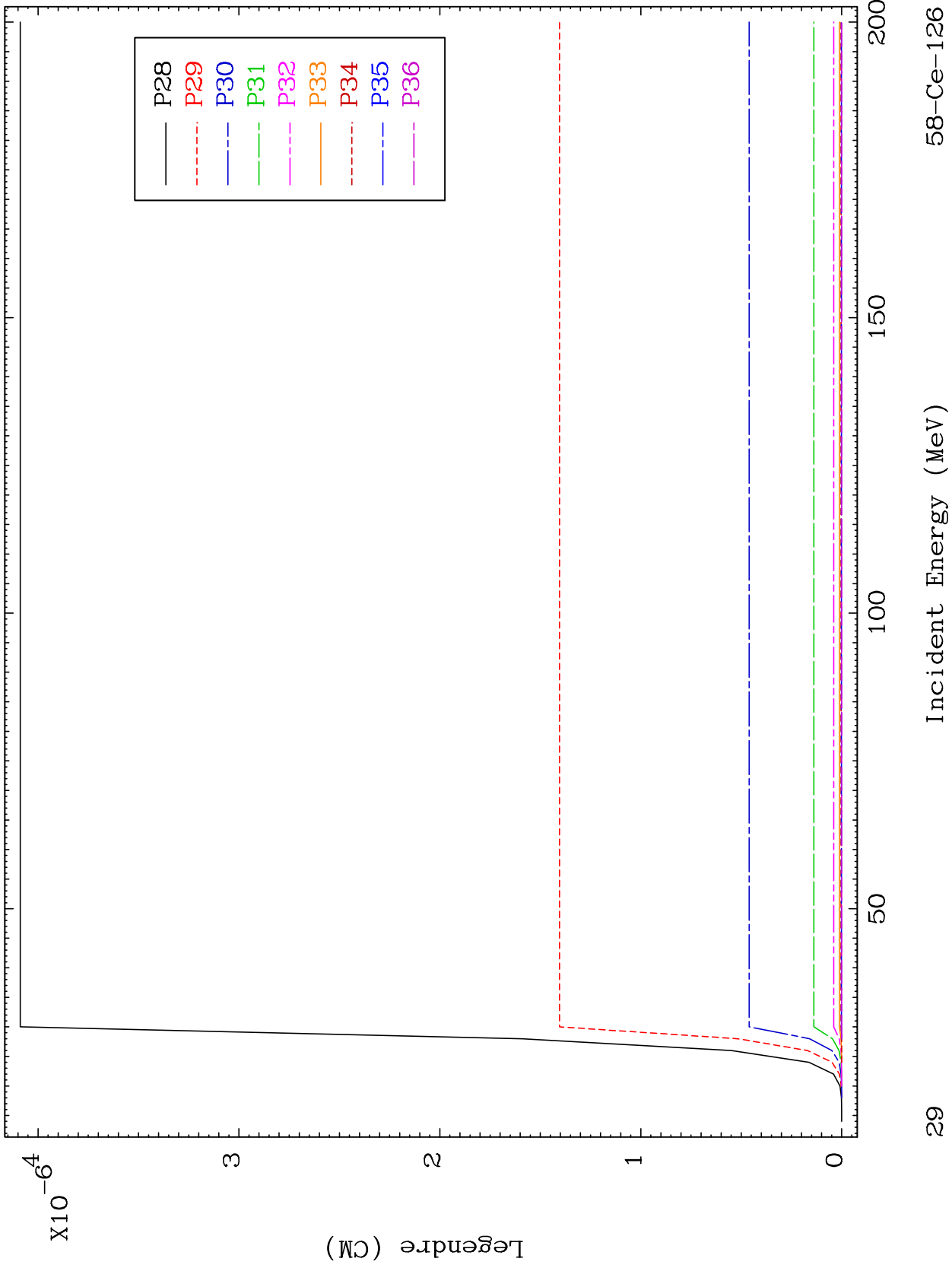
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



29

Incident Energy (MeV)

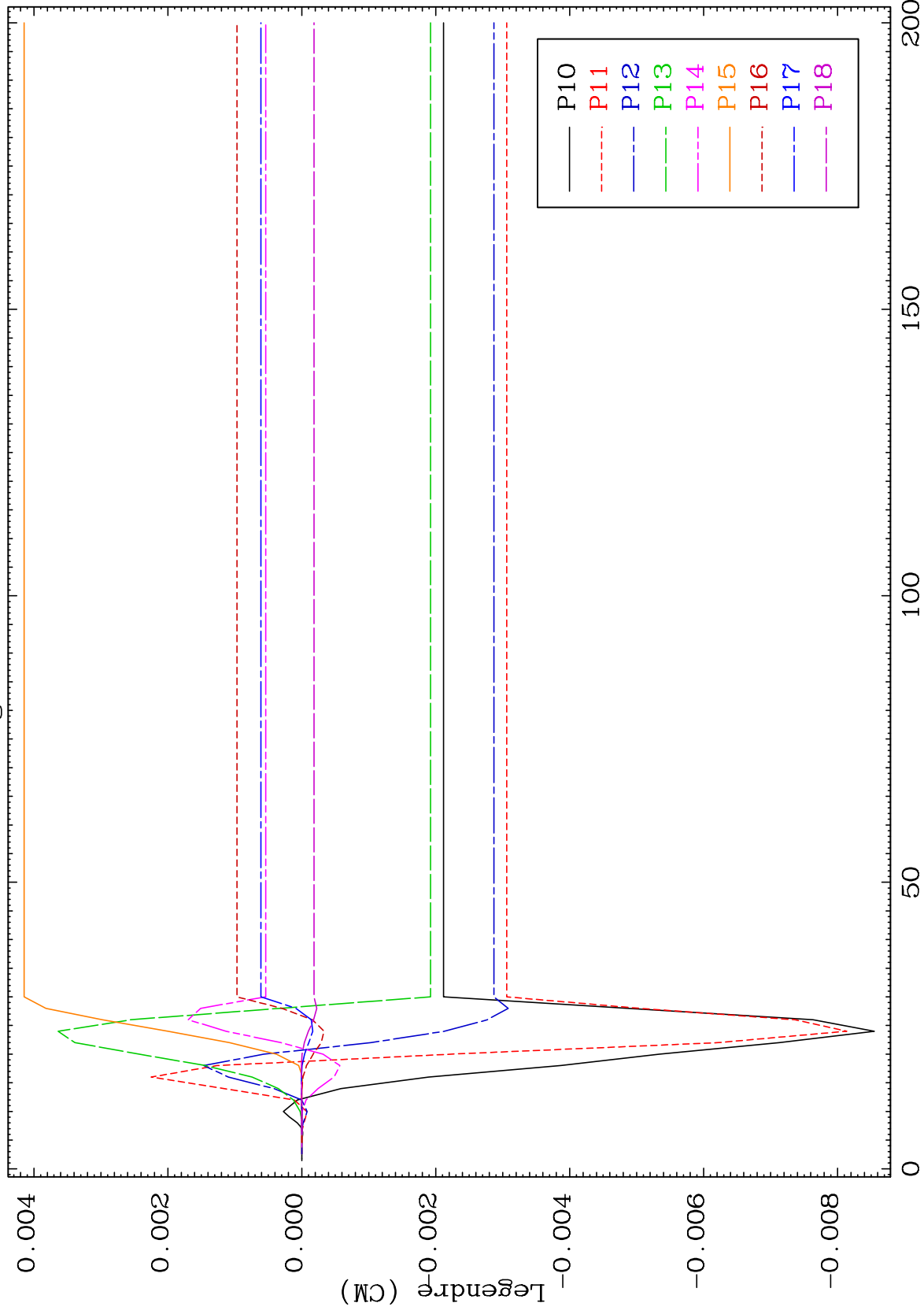
58-Ce-126



MAT 5795

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

58-Ce-126



31

Incident Energy (MeV)

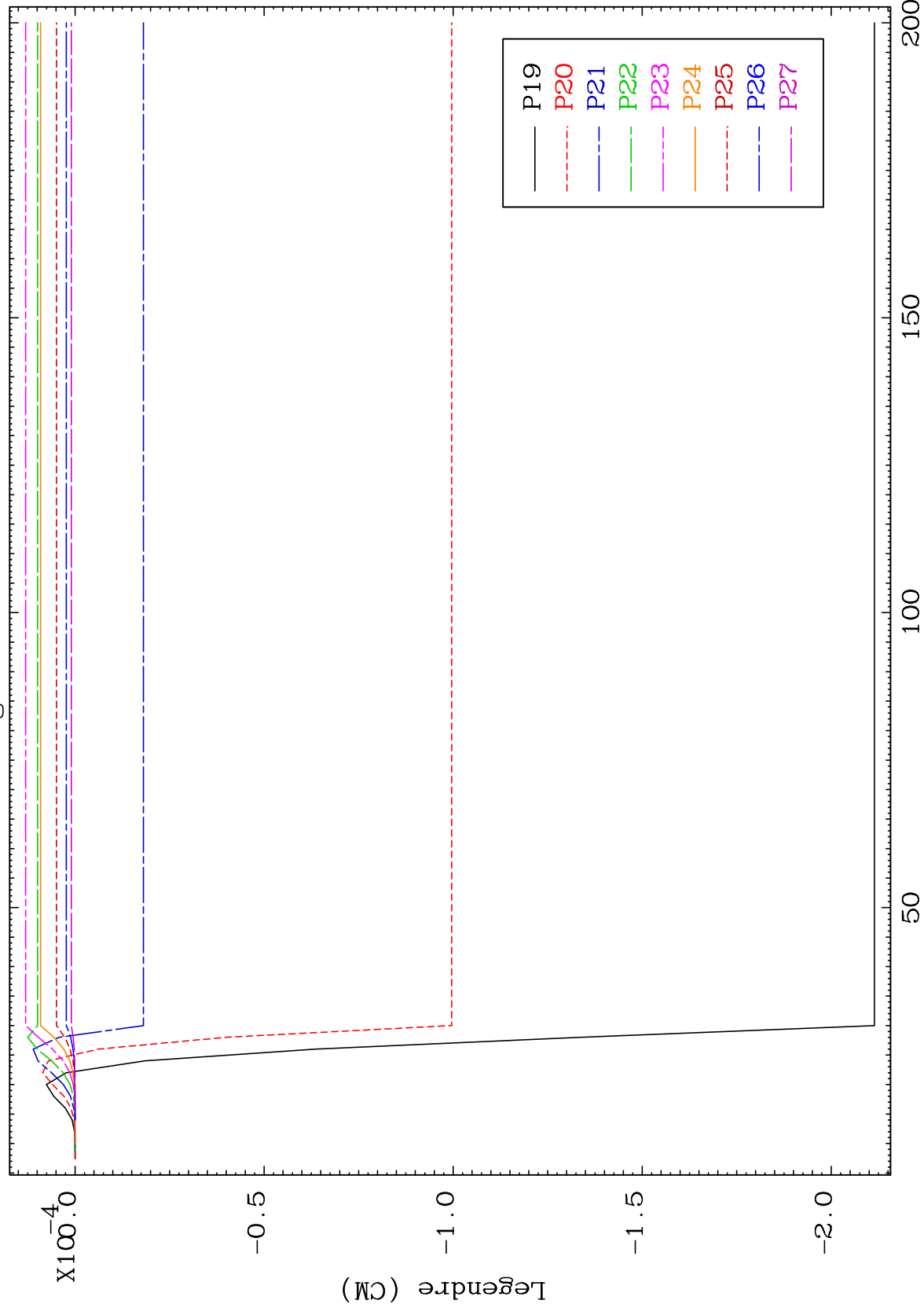
58-Ce-126



MAT 5795

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

58-Ce-126



32

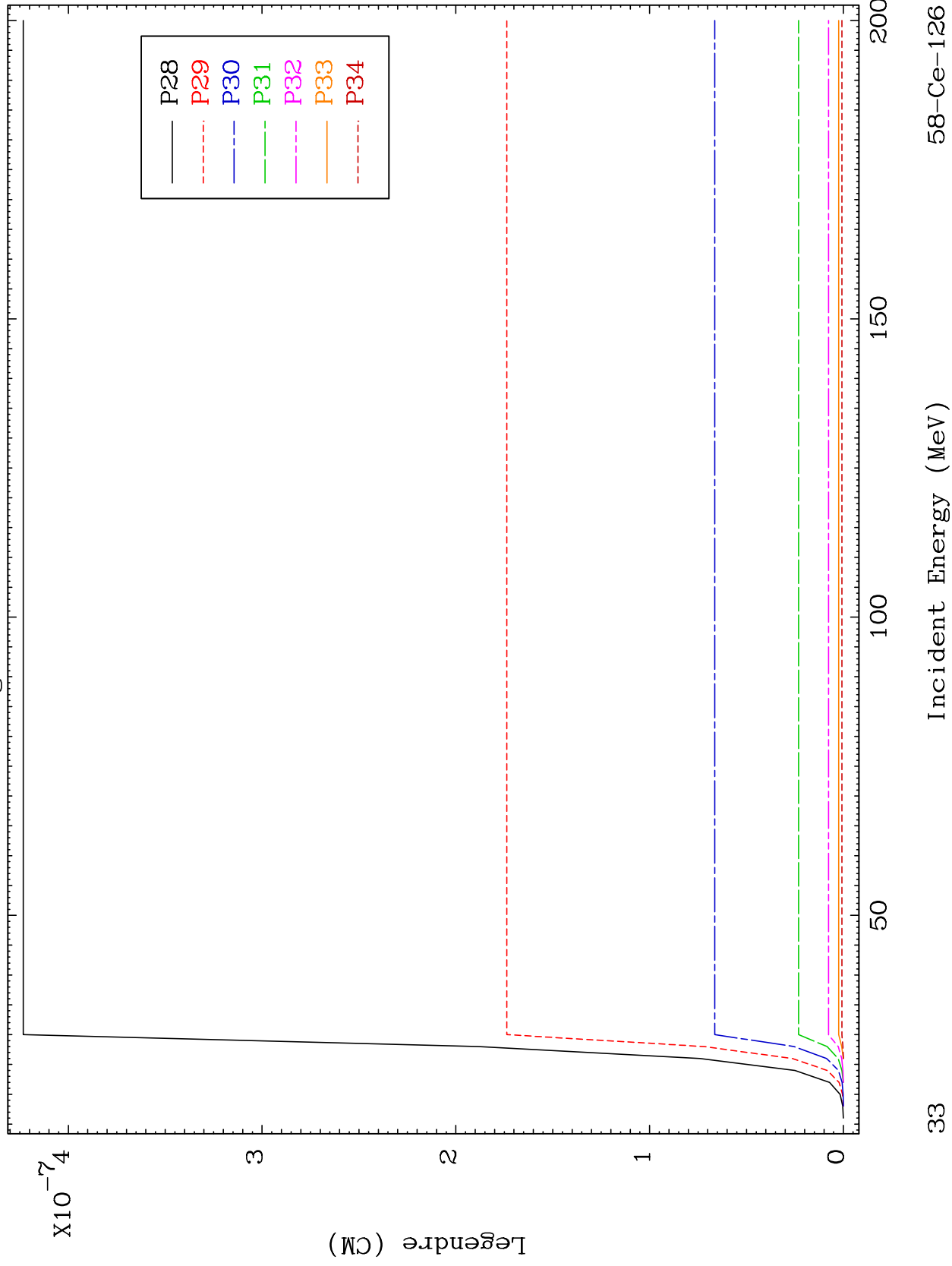
Incident Energy (MeV)

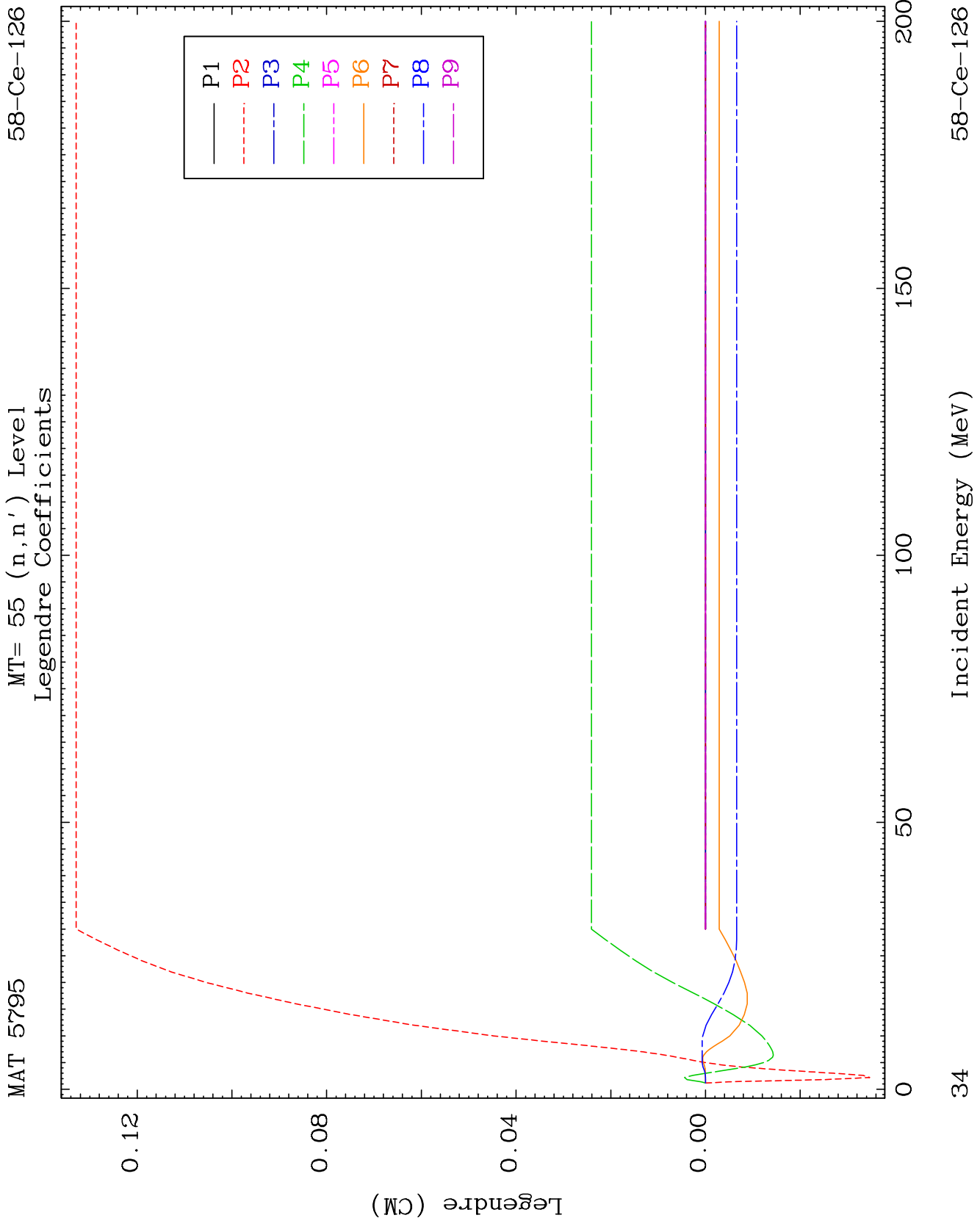
58-Ce-126

MAT 5795

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

58-Ce-126

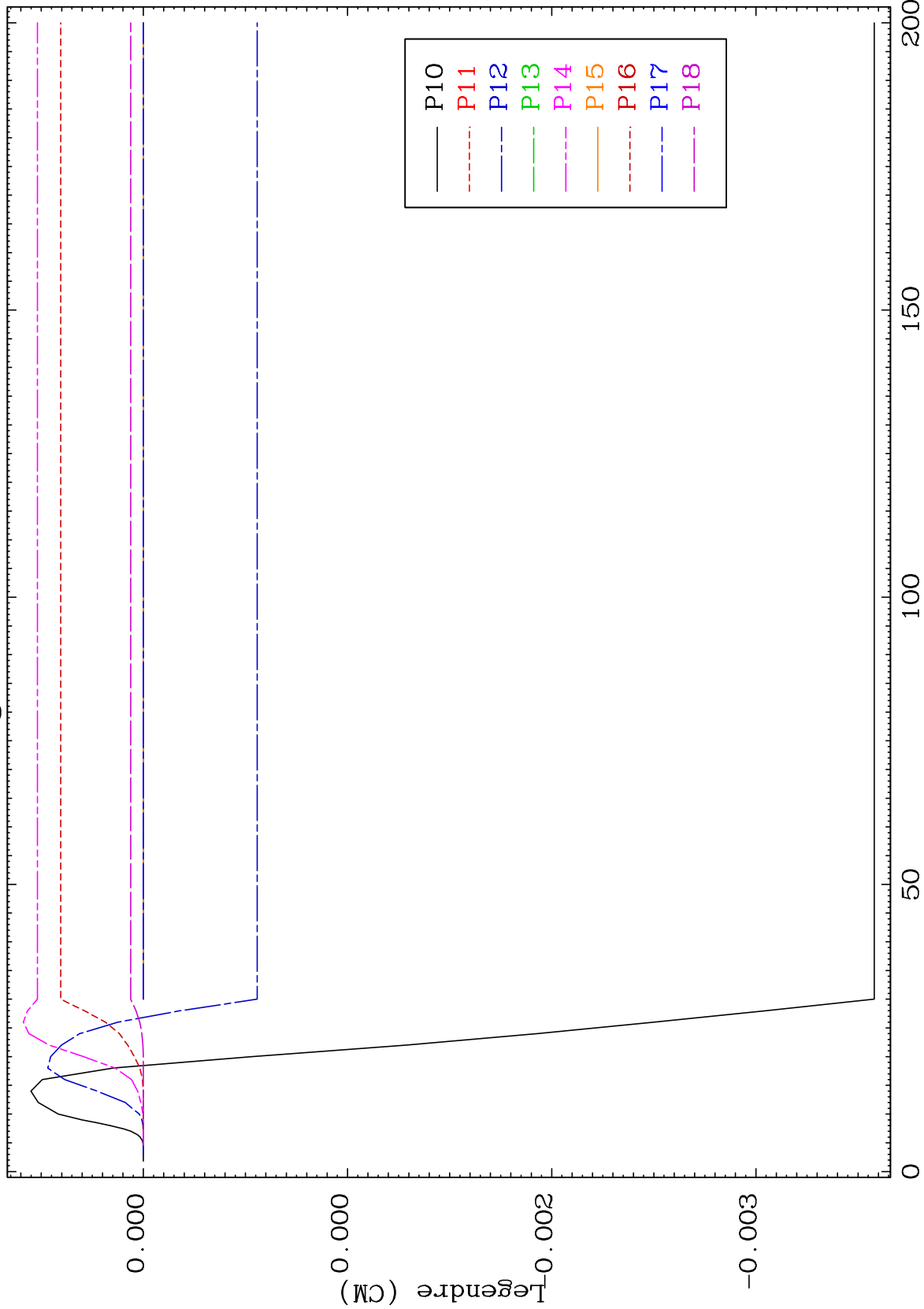




MAT 5795

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

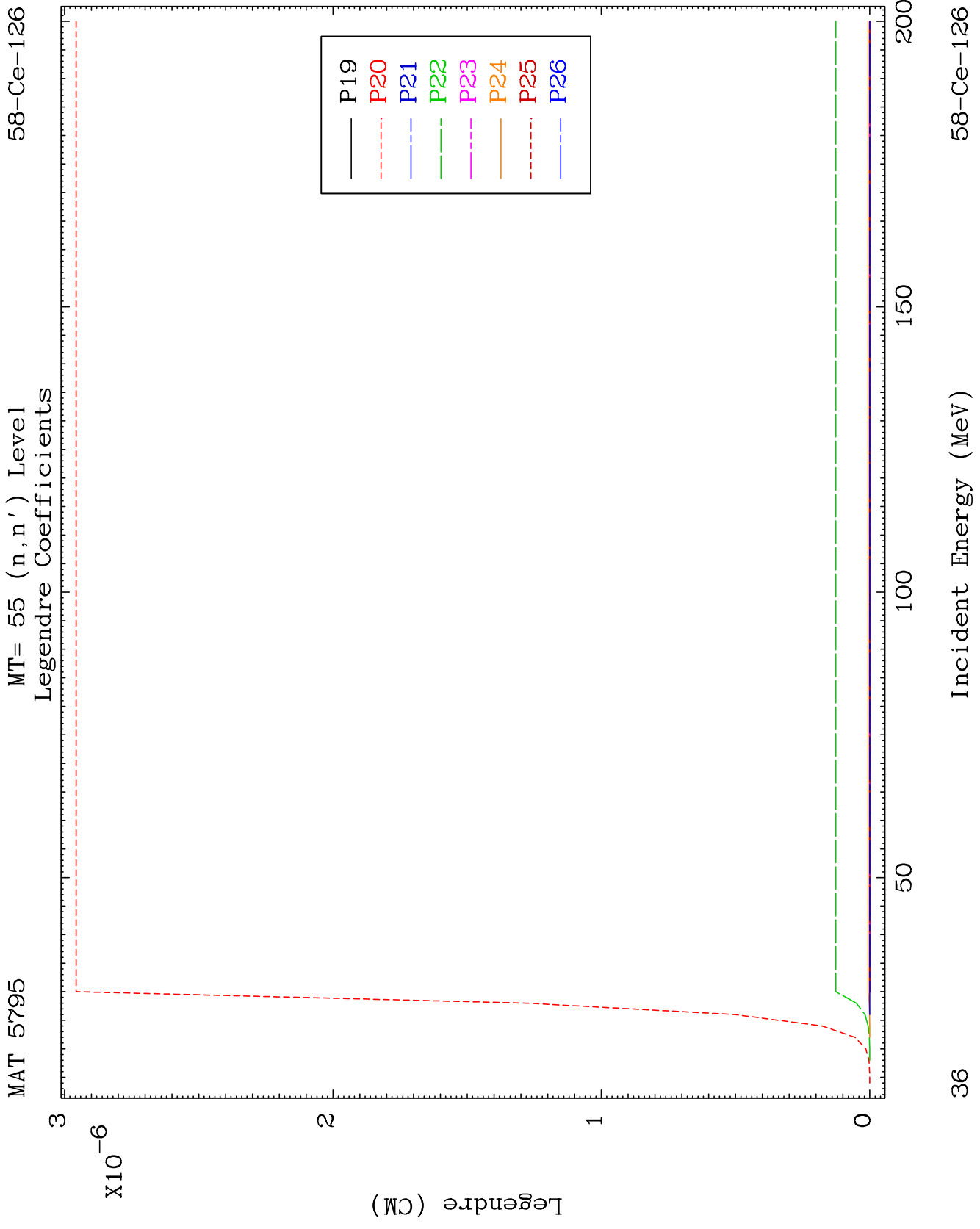
58-Ce-126



35

Incident Energy (MeV)

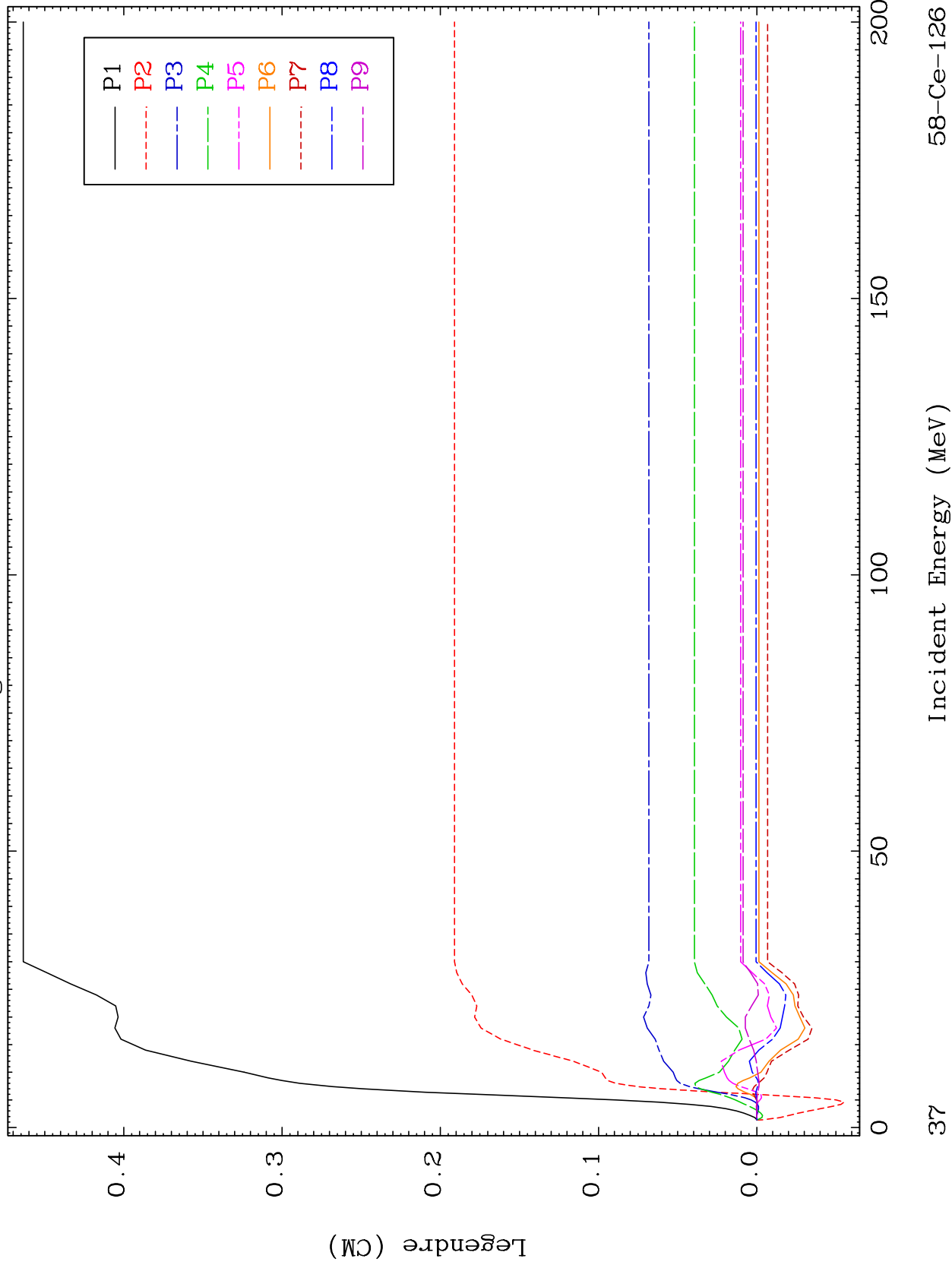
58-Ce-126



MAT 5795

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

58-Ce-126



58-Ce-126

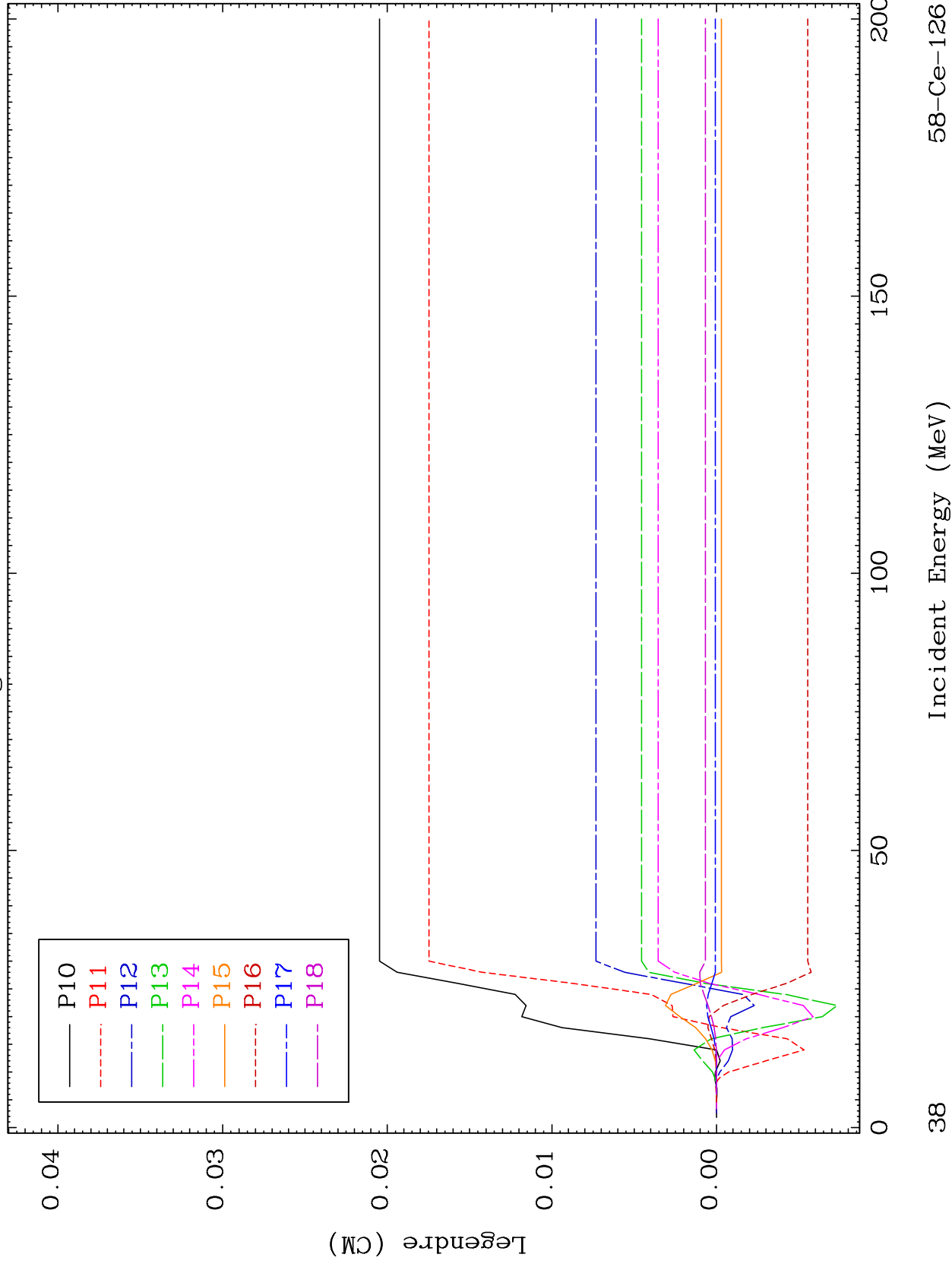
Incident Energy (MeV)

37

MAT 5795

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

58-Ce-126



58-Ce-126

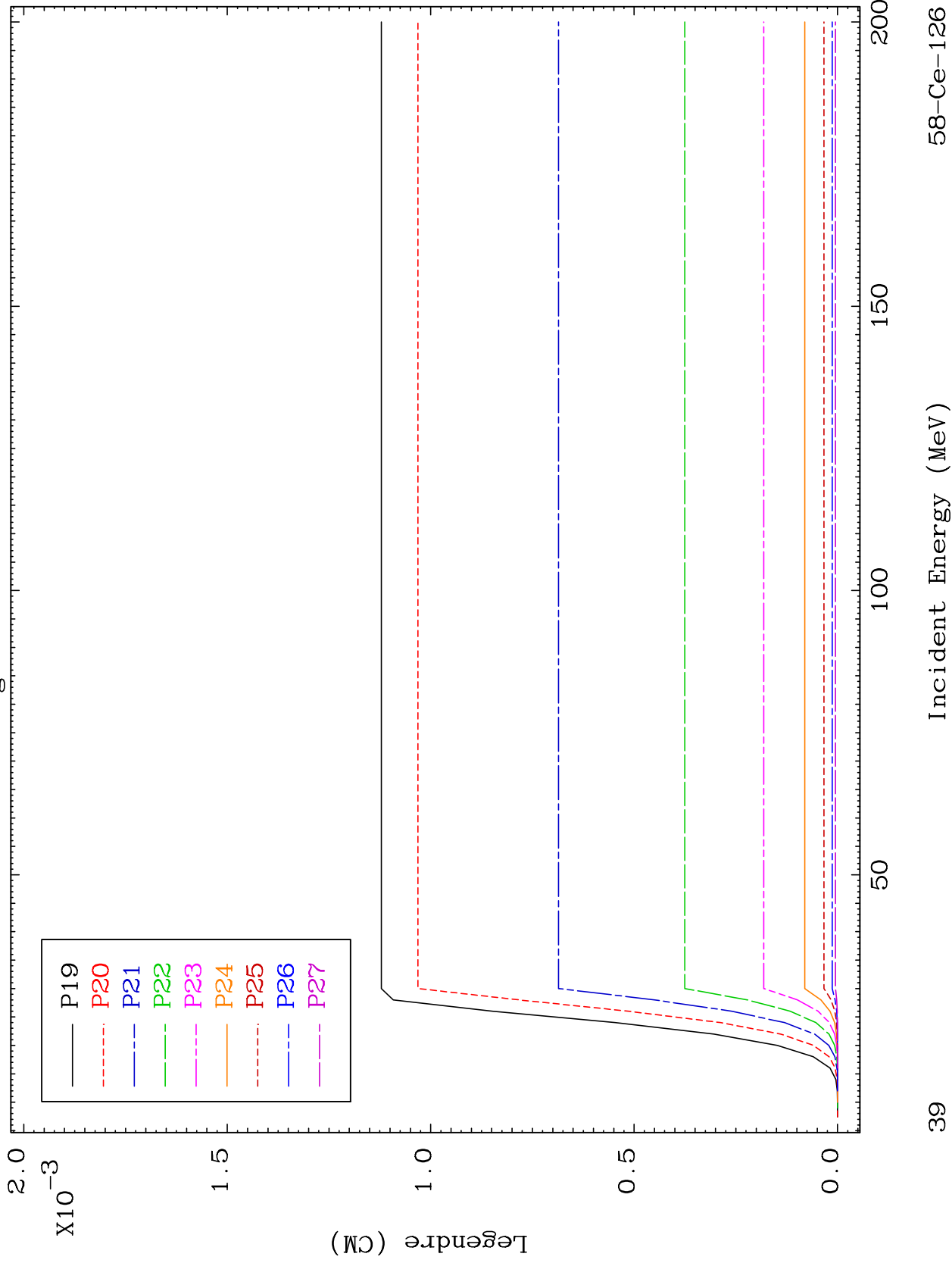
Incident Energy (MeV)

38

MAT 5795

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

58-Ce-126

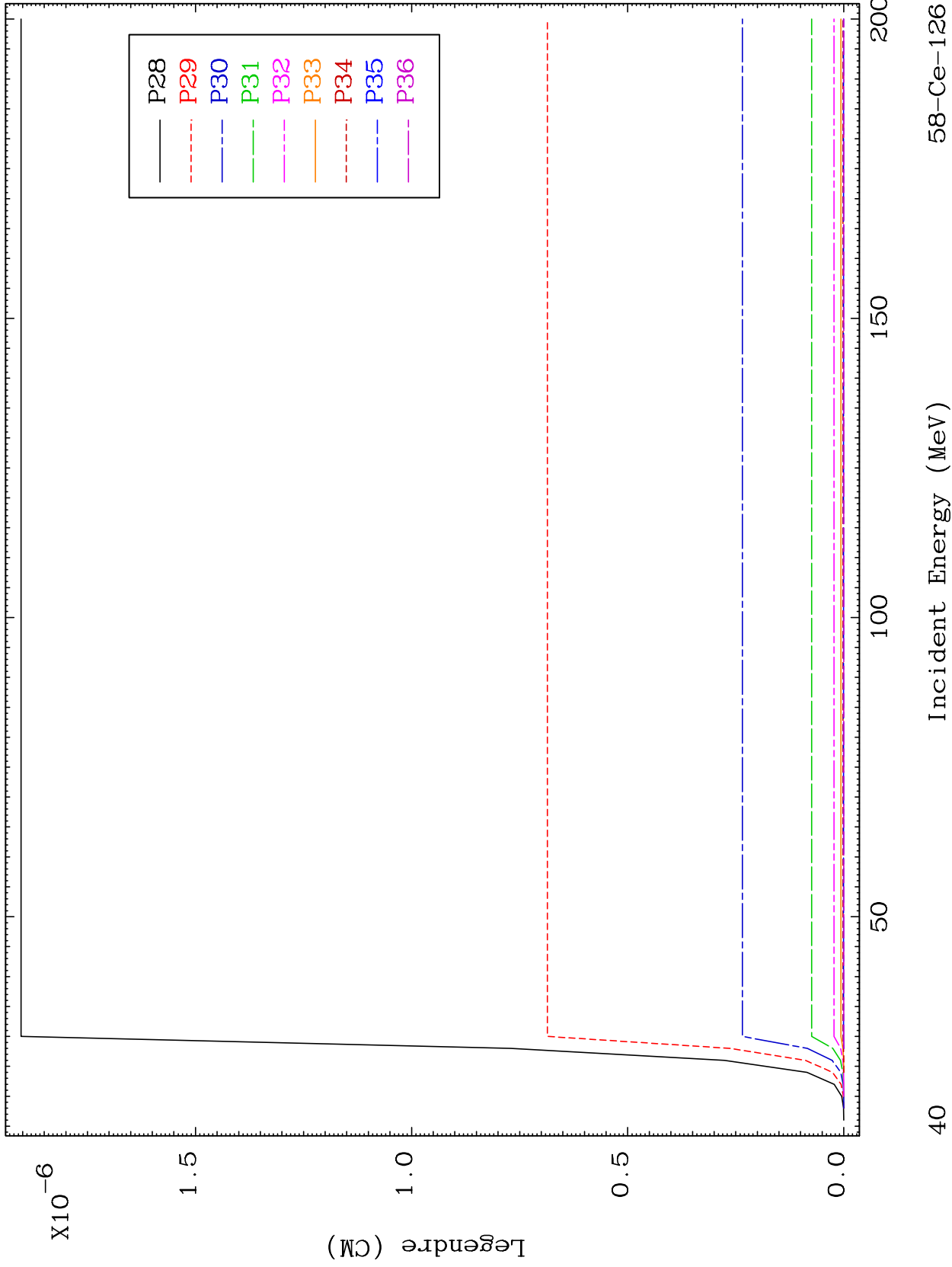




MAT 5795

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

58-Ce-126



58-Ce-126

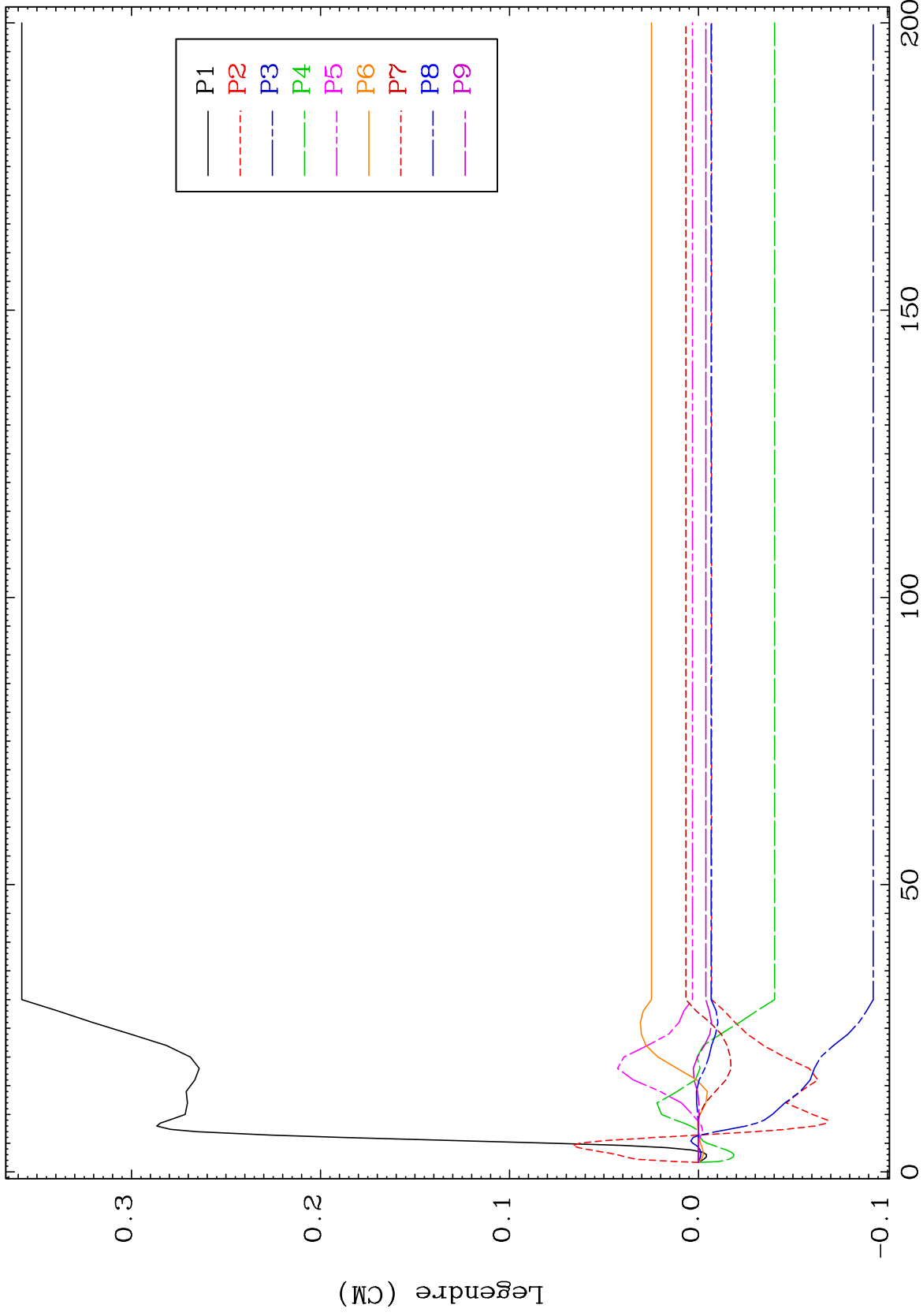
Incident Energy (MeV)

40

MAT 5795

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

58-Ce-126



41

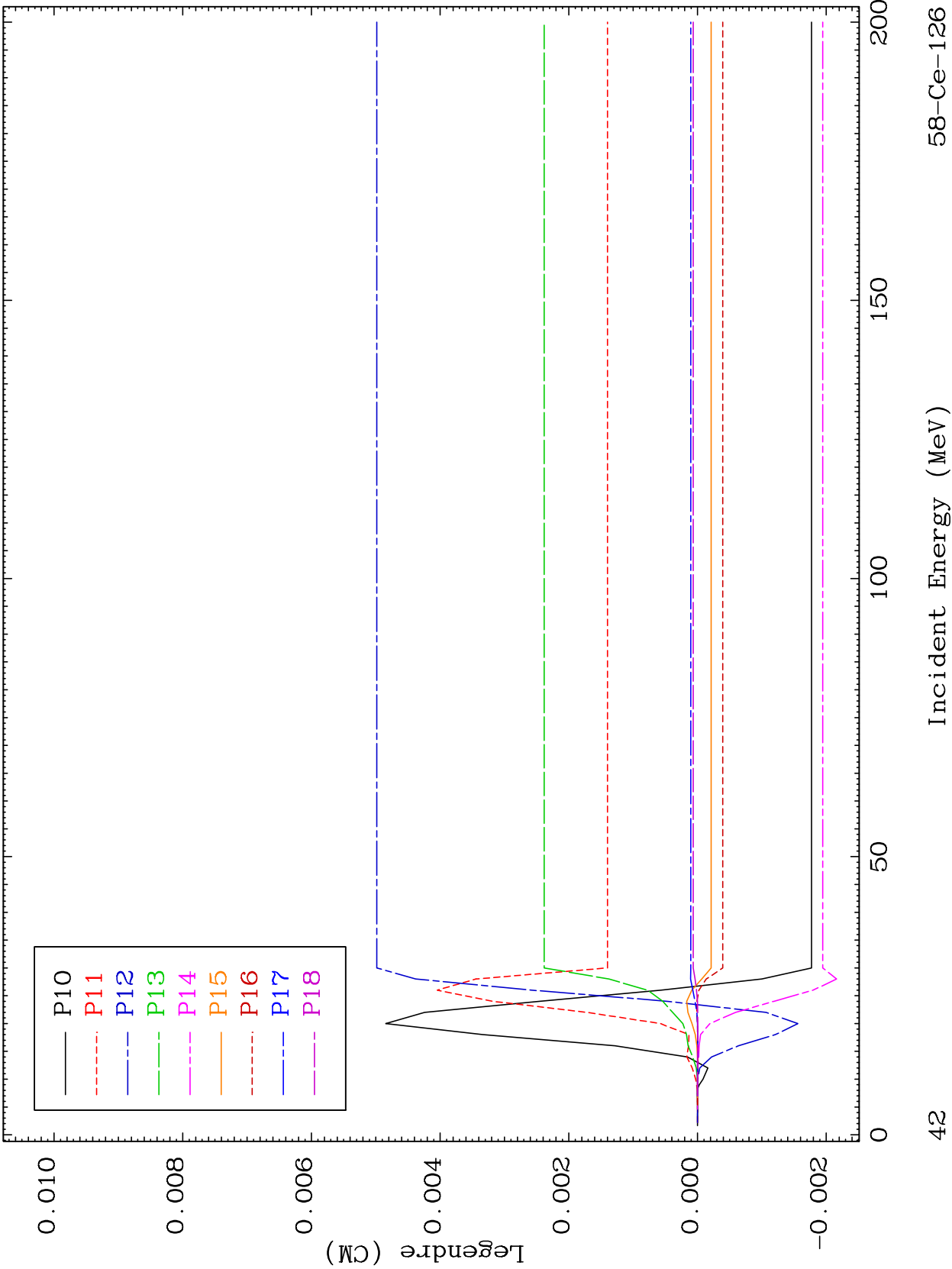
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



58-Ce-126

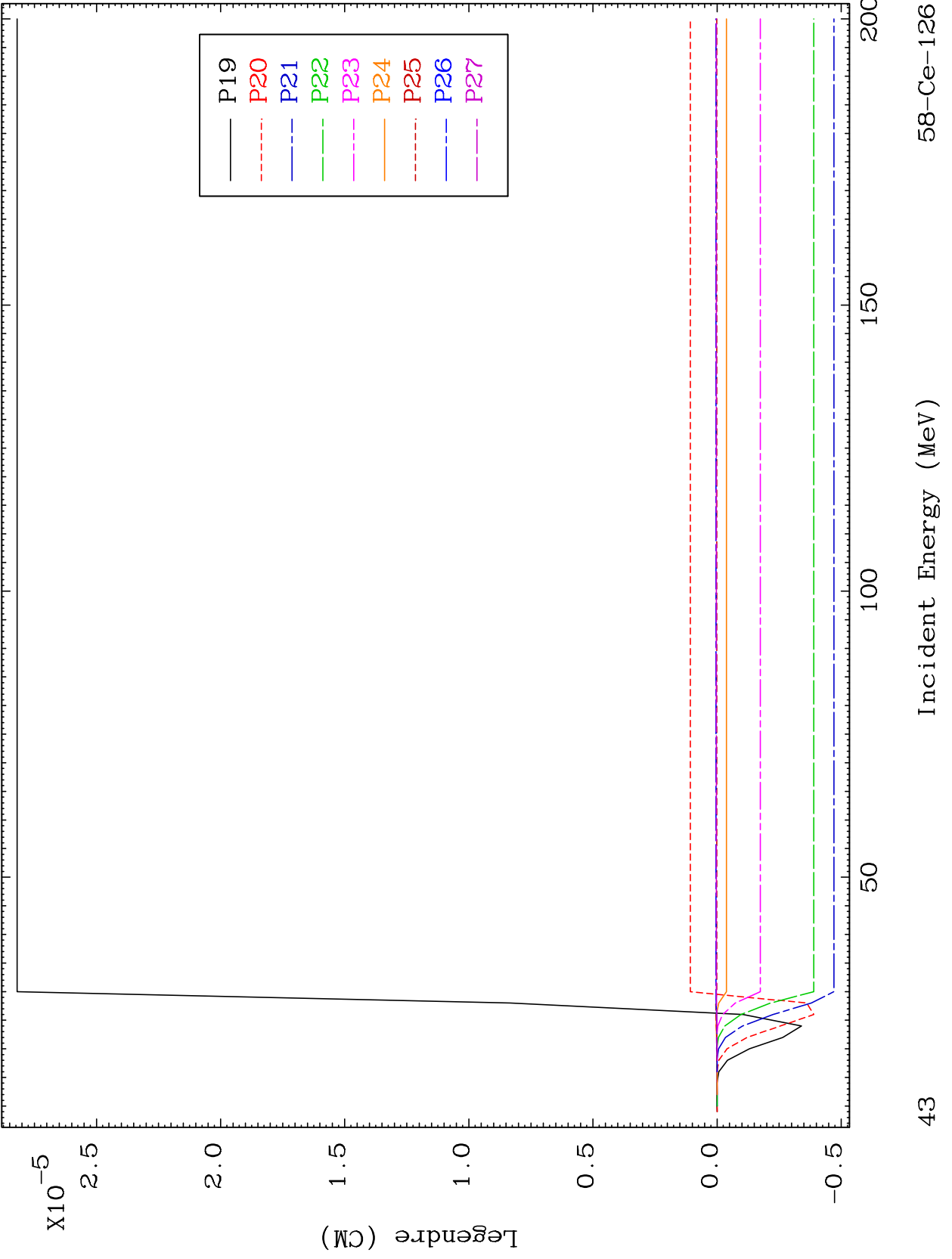
Incident Energy (MeV)

42

MAT 5795

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

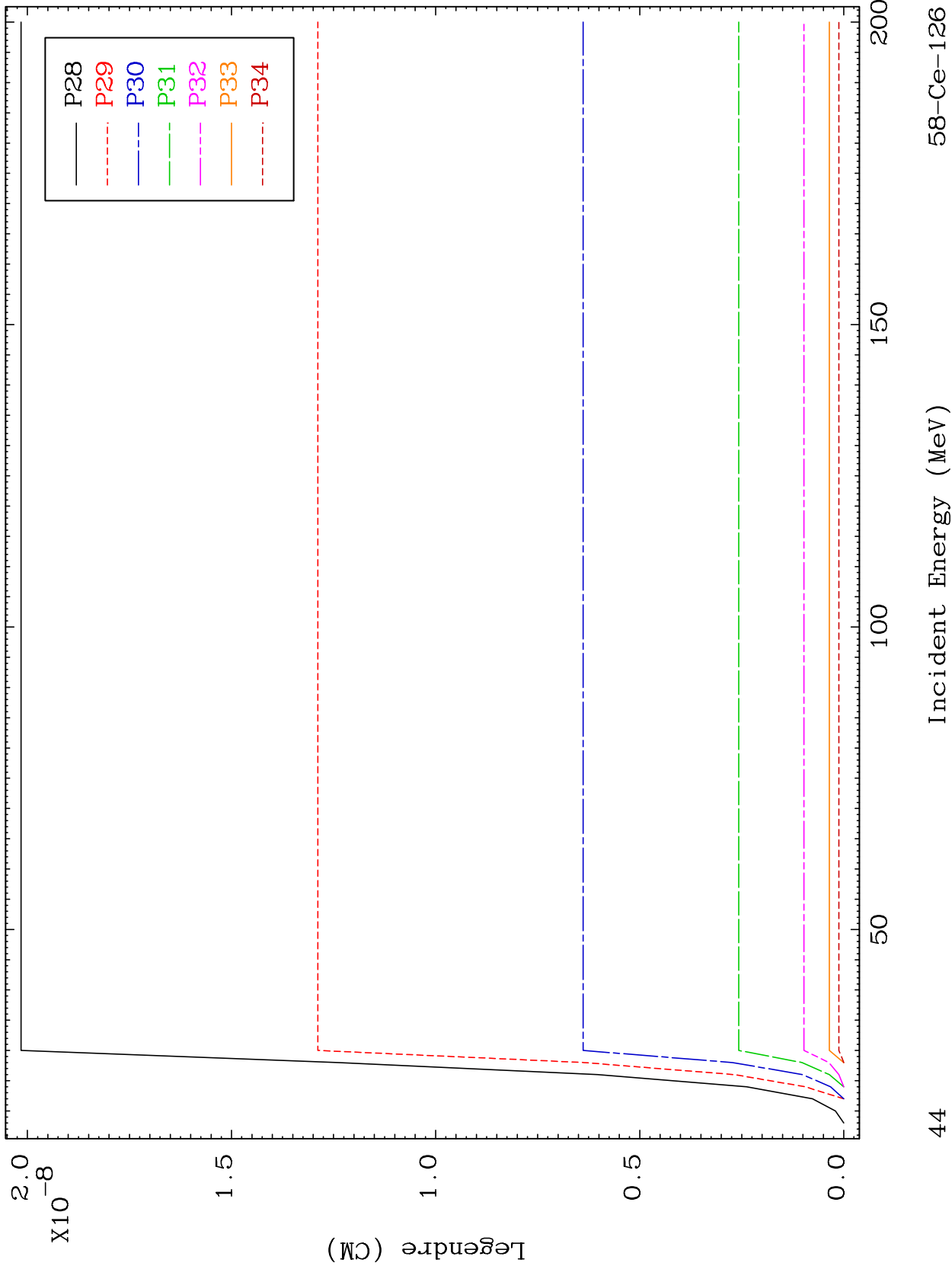
58-Ce-126



MAT 5795

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

58-Ce-126



44

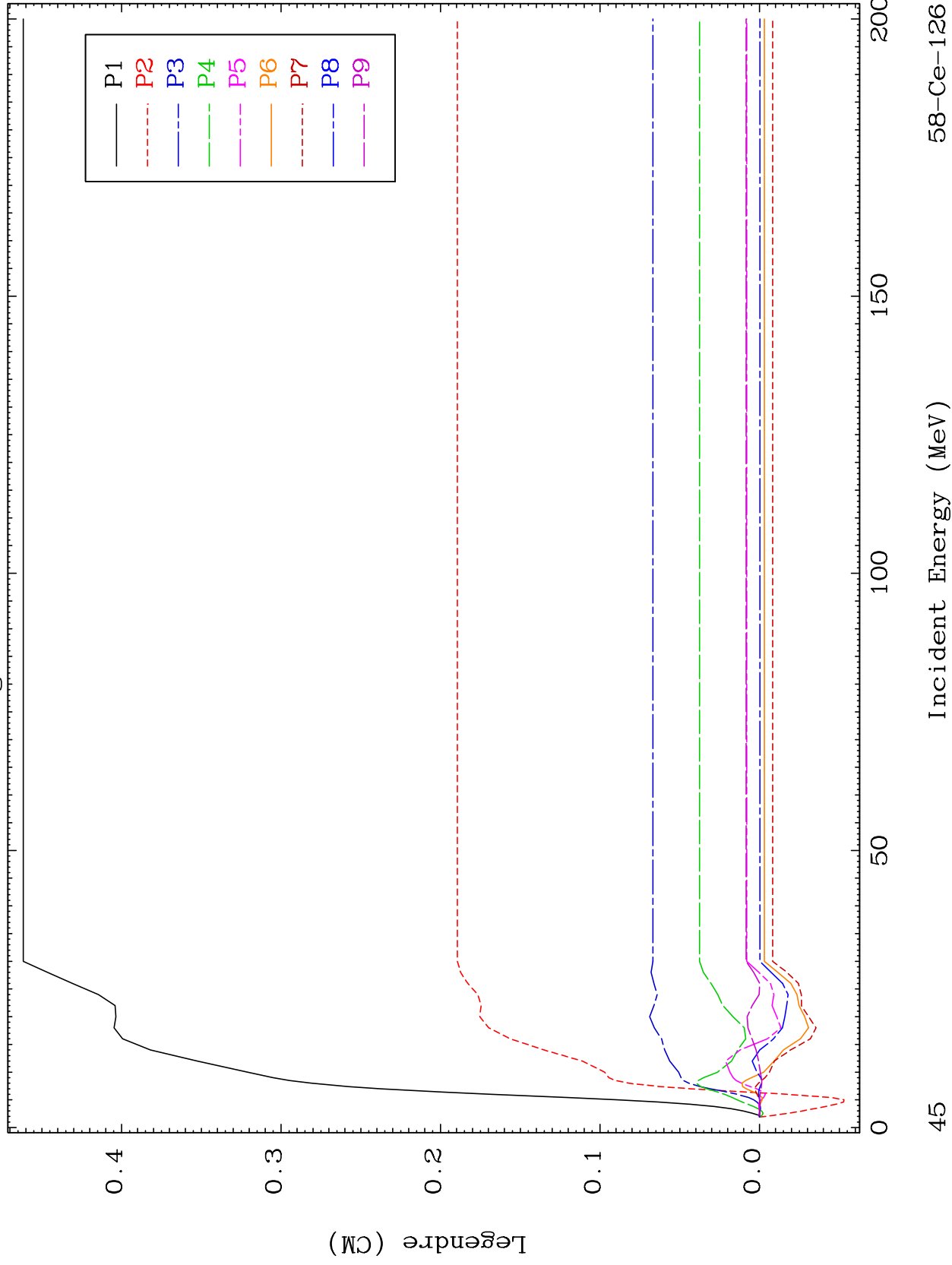
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



58-Ce-126

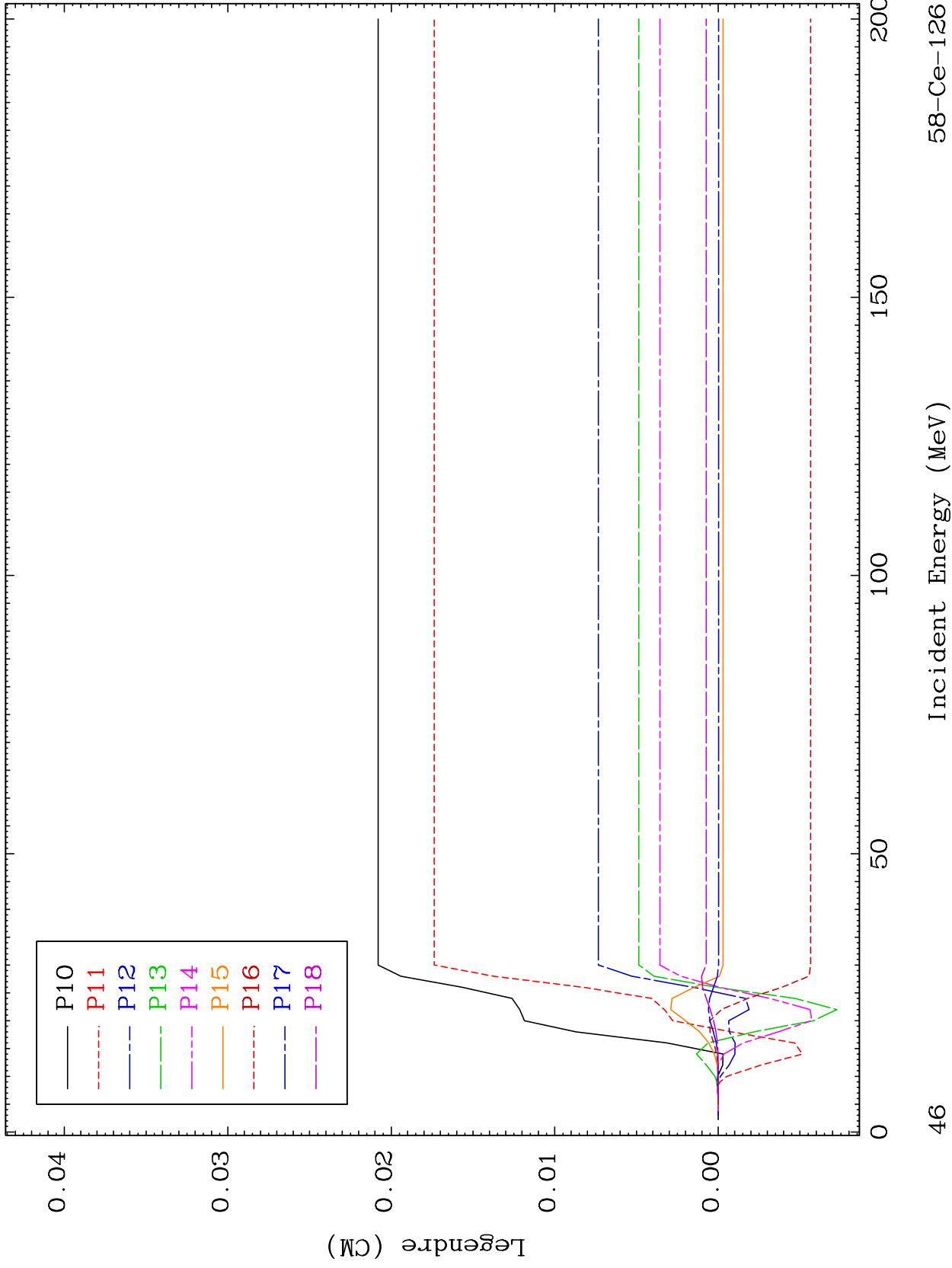
Incident Energy (MeV)

45

MAT 5795

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

58-Ce-126



46

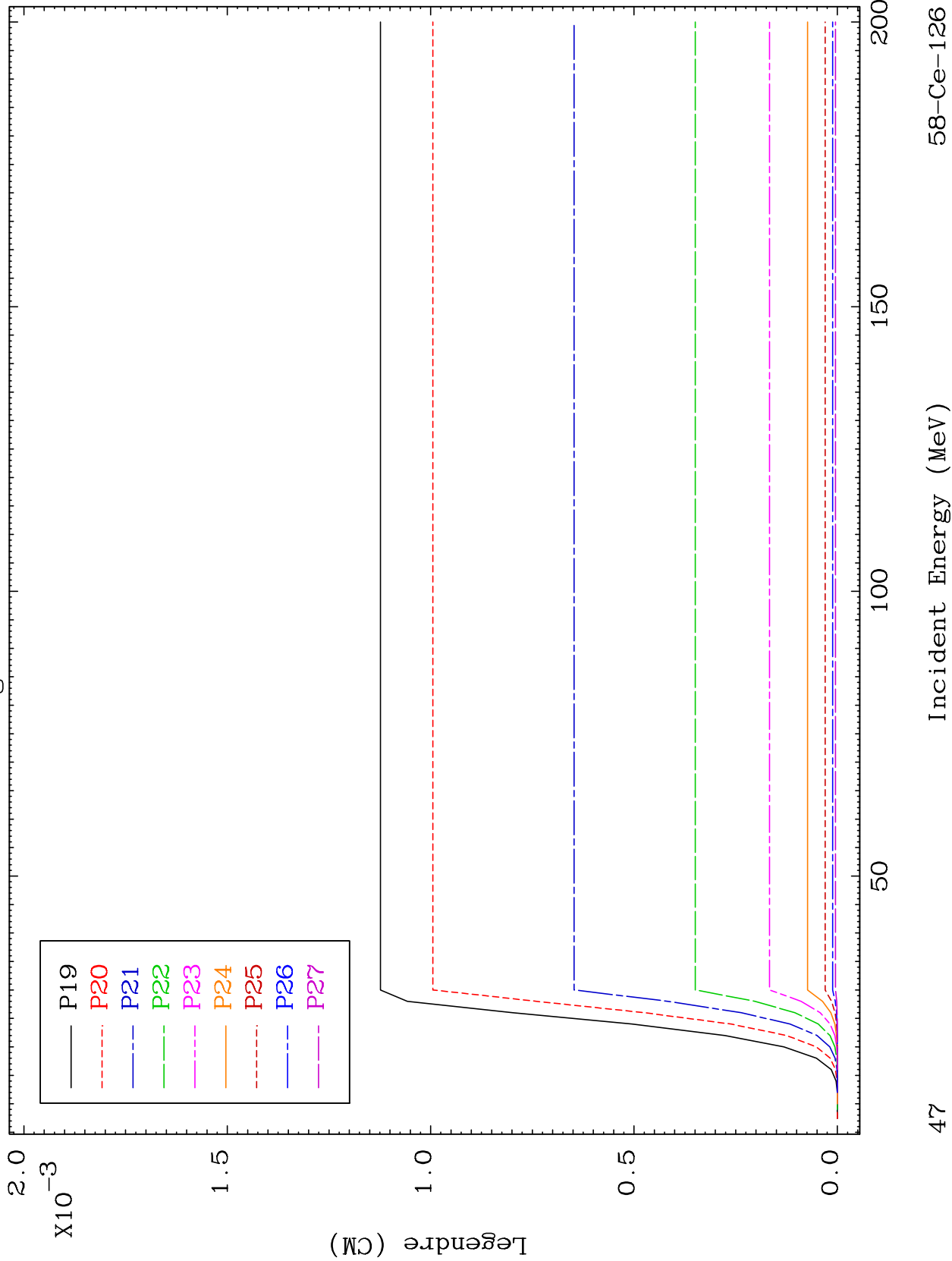
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



47

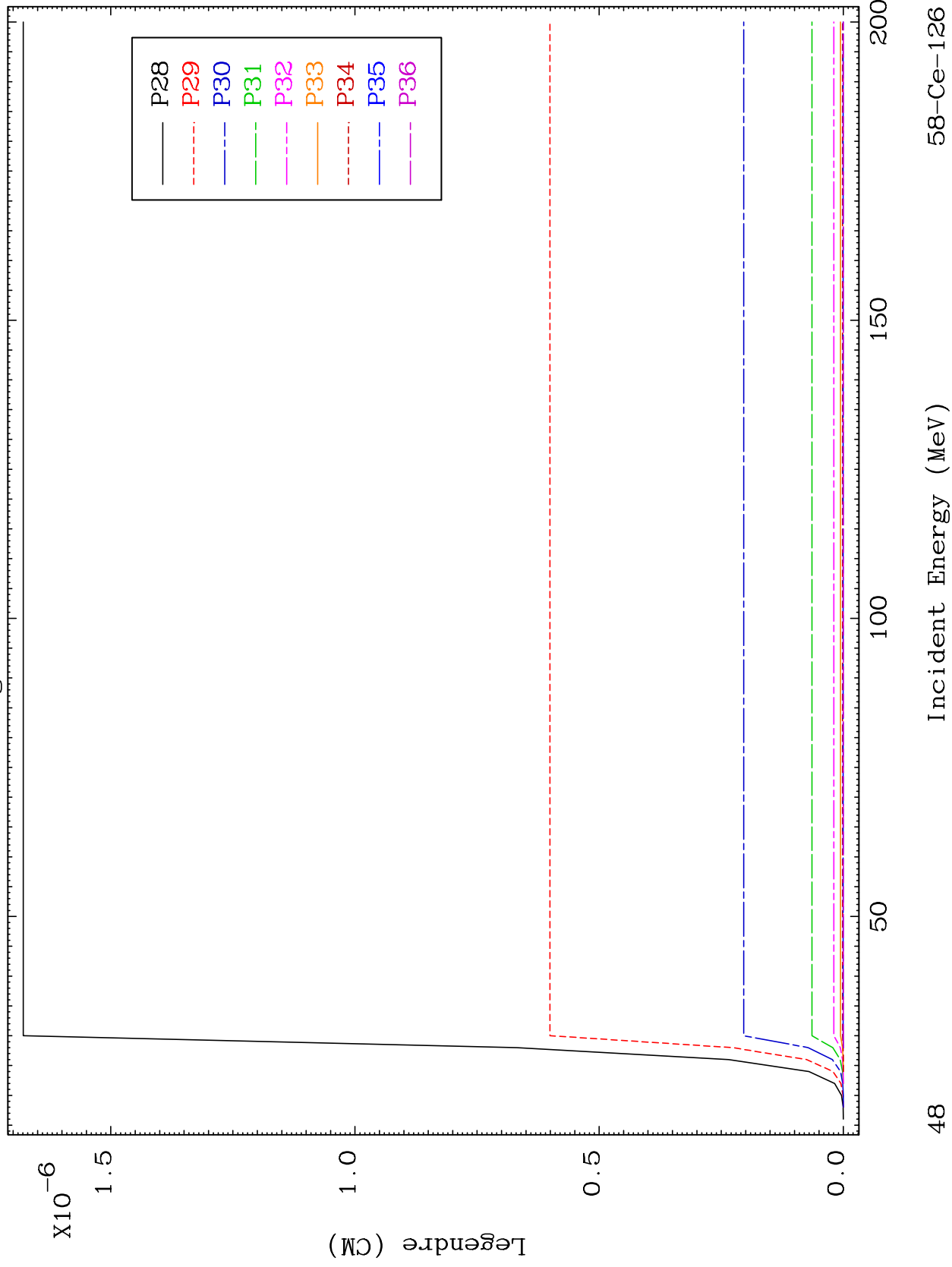
58-Ce-126



MAT 5795

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

58-Ce-126



58-Ce-126

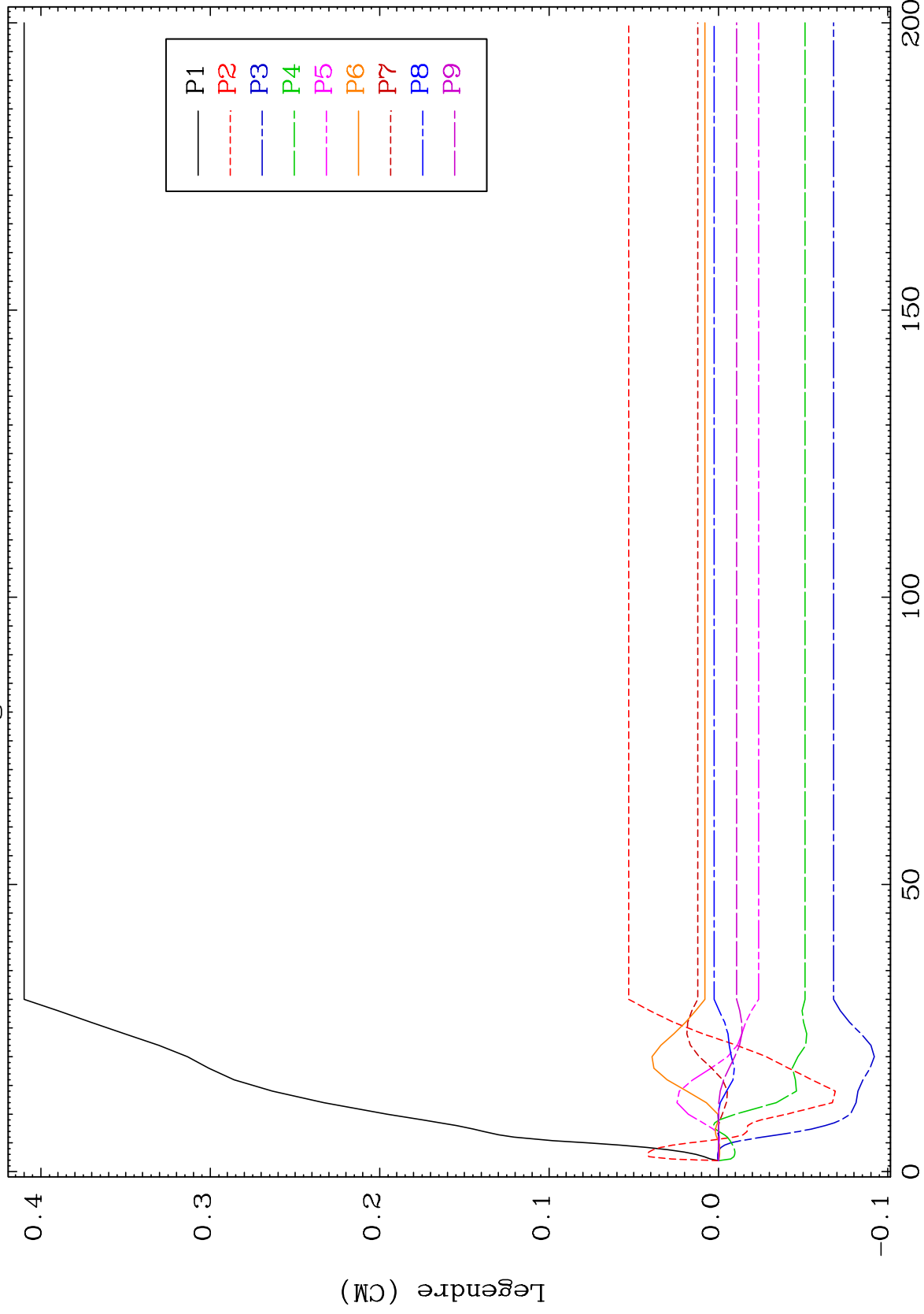
Incident Energy (MeV)

48

MAT 5795

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

58-Ce-126



49

Incident Energy (MeV)

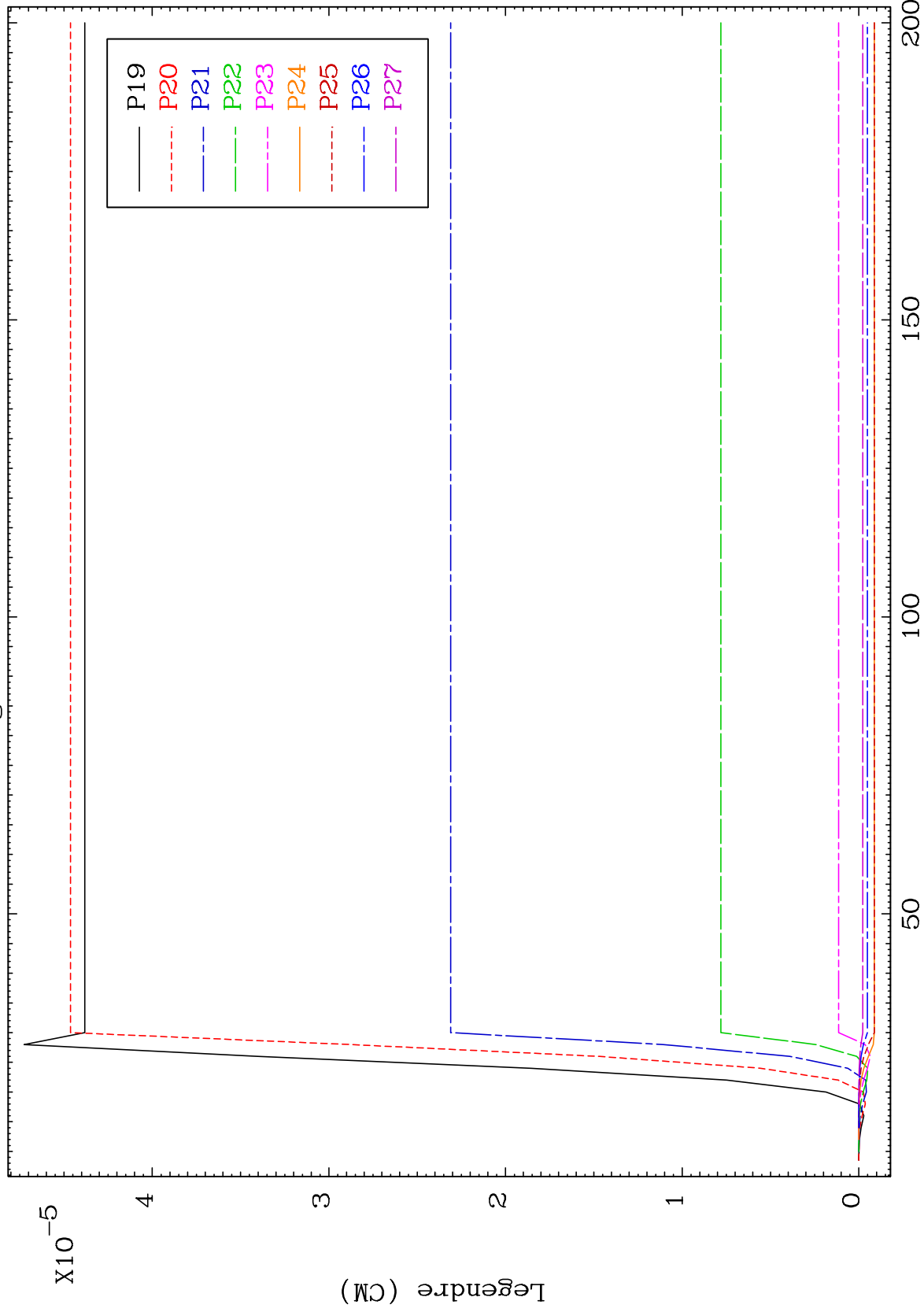
58-Ce-126



MAT 5795

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

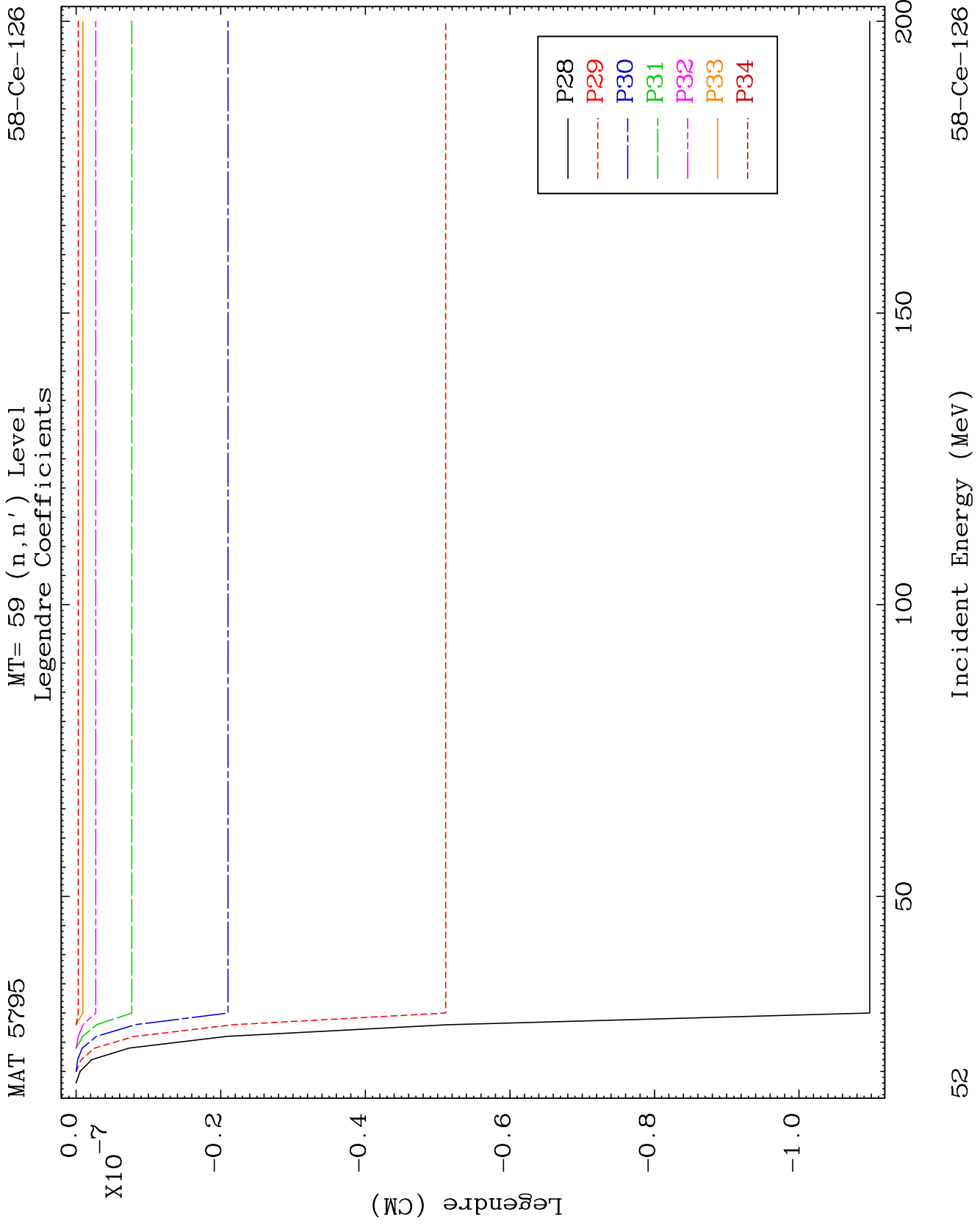
58-Ce-126



51

Incident Energy (MeV)

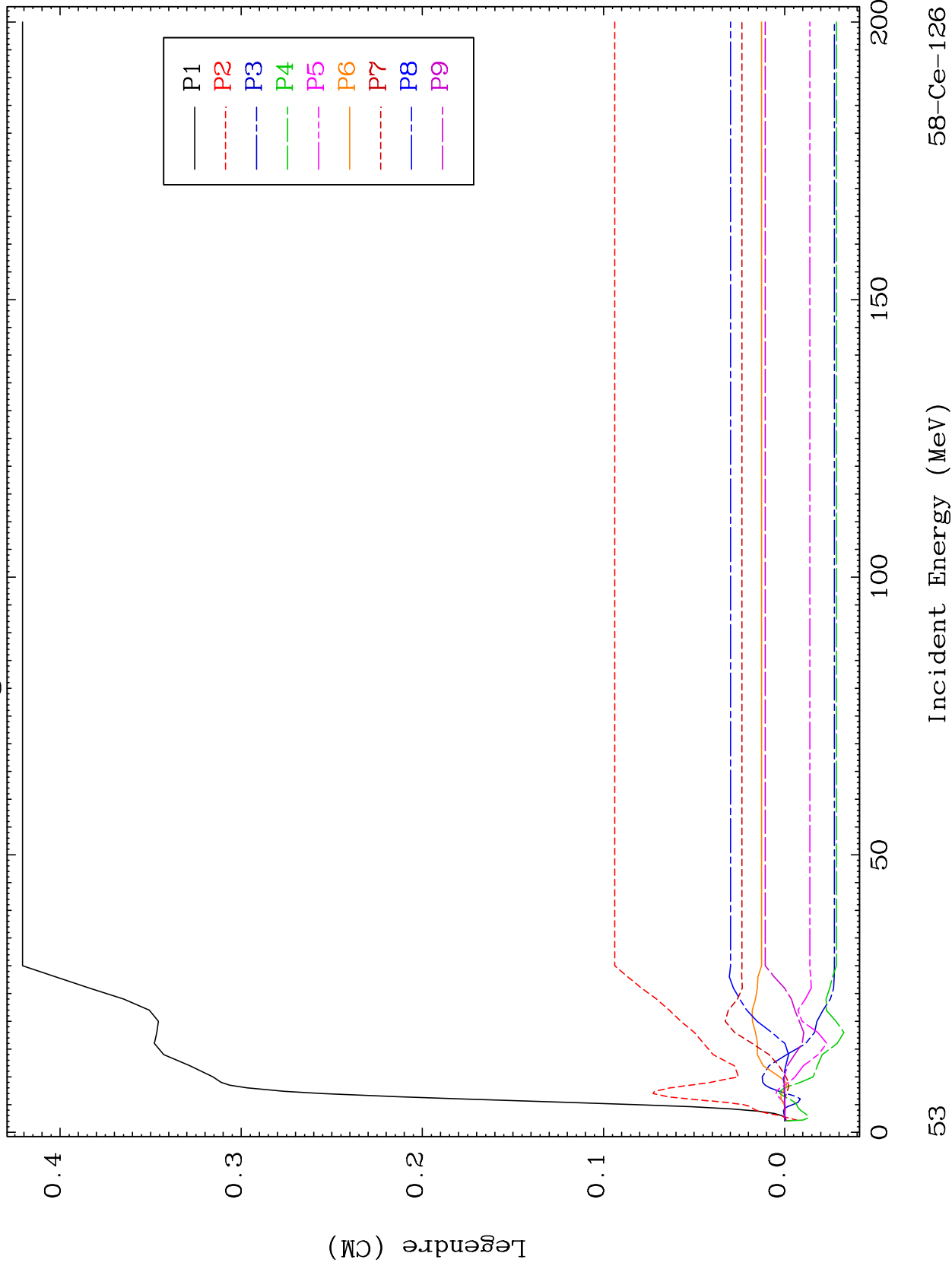
58-Ce-126



MAT 5795

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

58-Ce-126



58-Ce-126

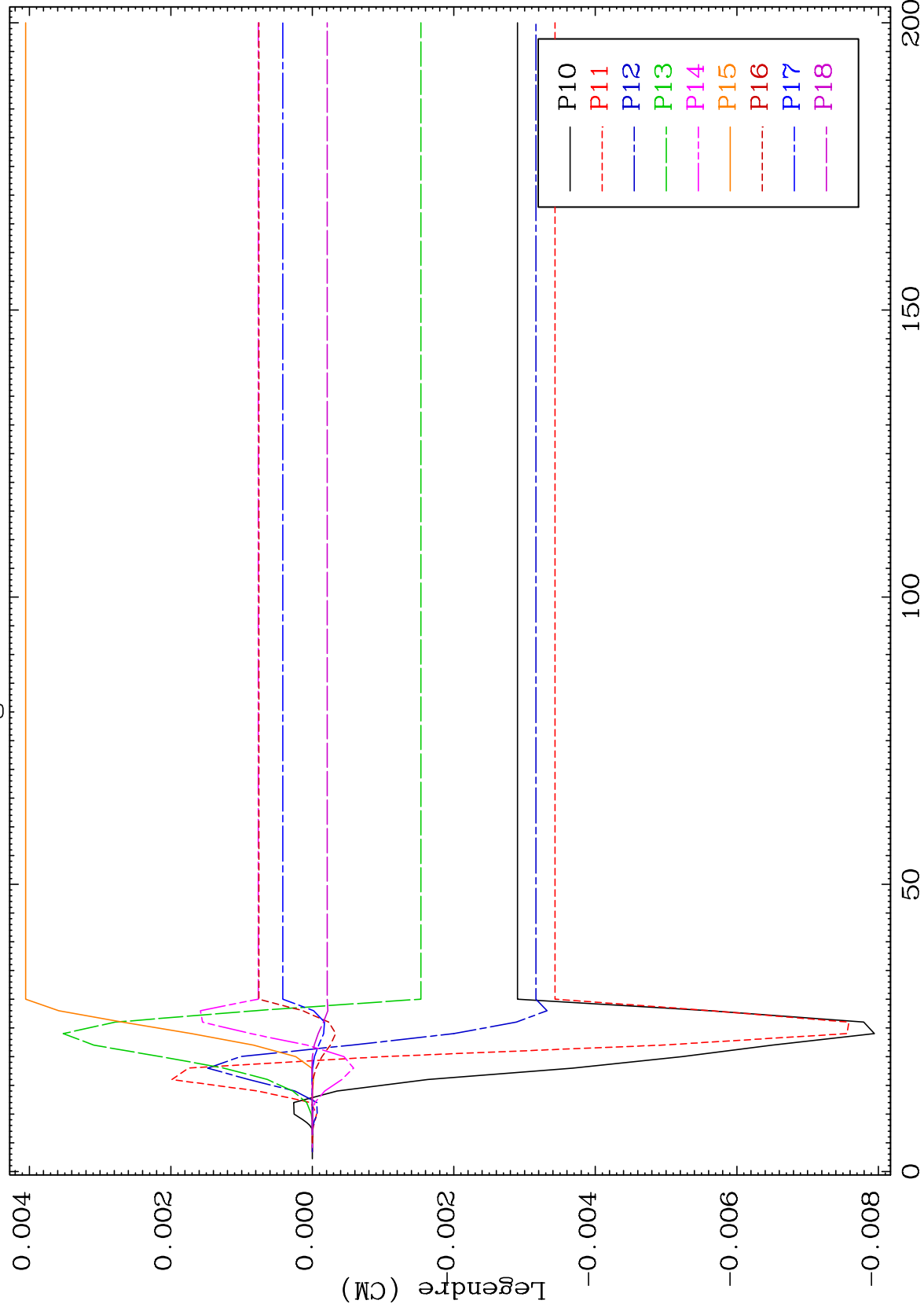
Incident Energy (MeV)

53

MAT 5795

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

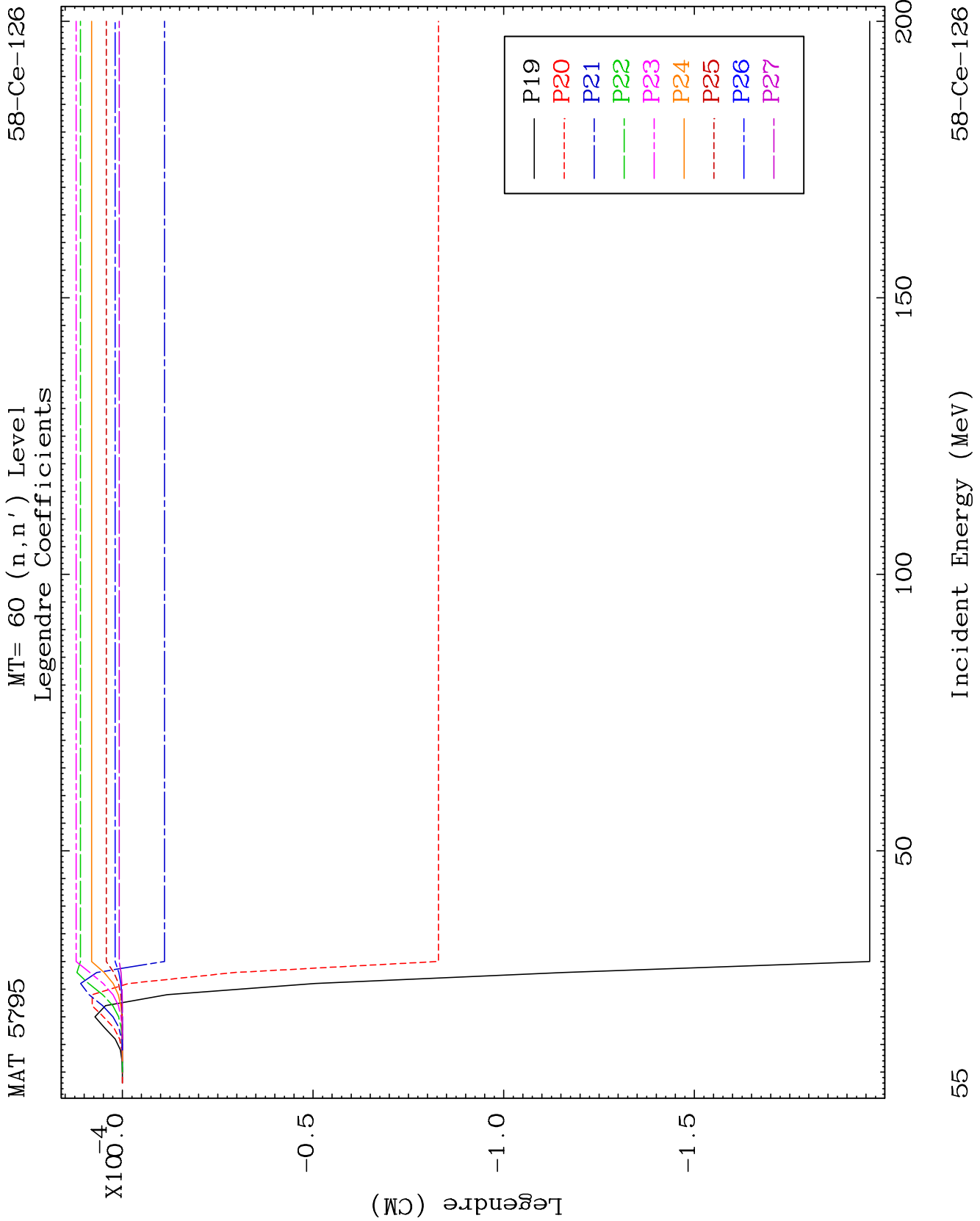
58-Ce-126



54

Incident Energy (MeV)

58-Ce-126

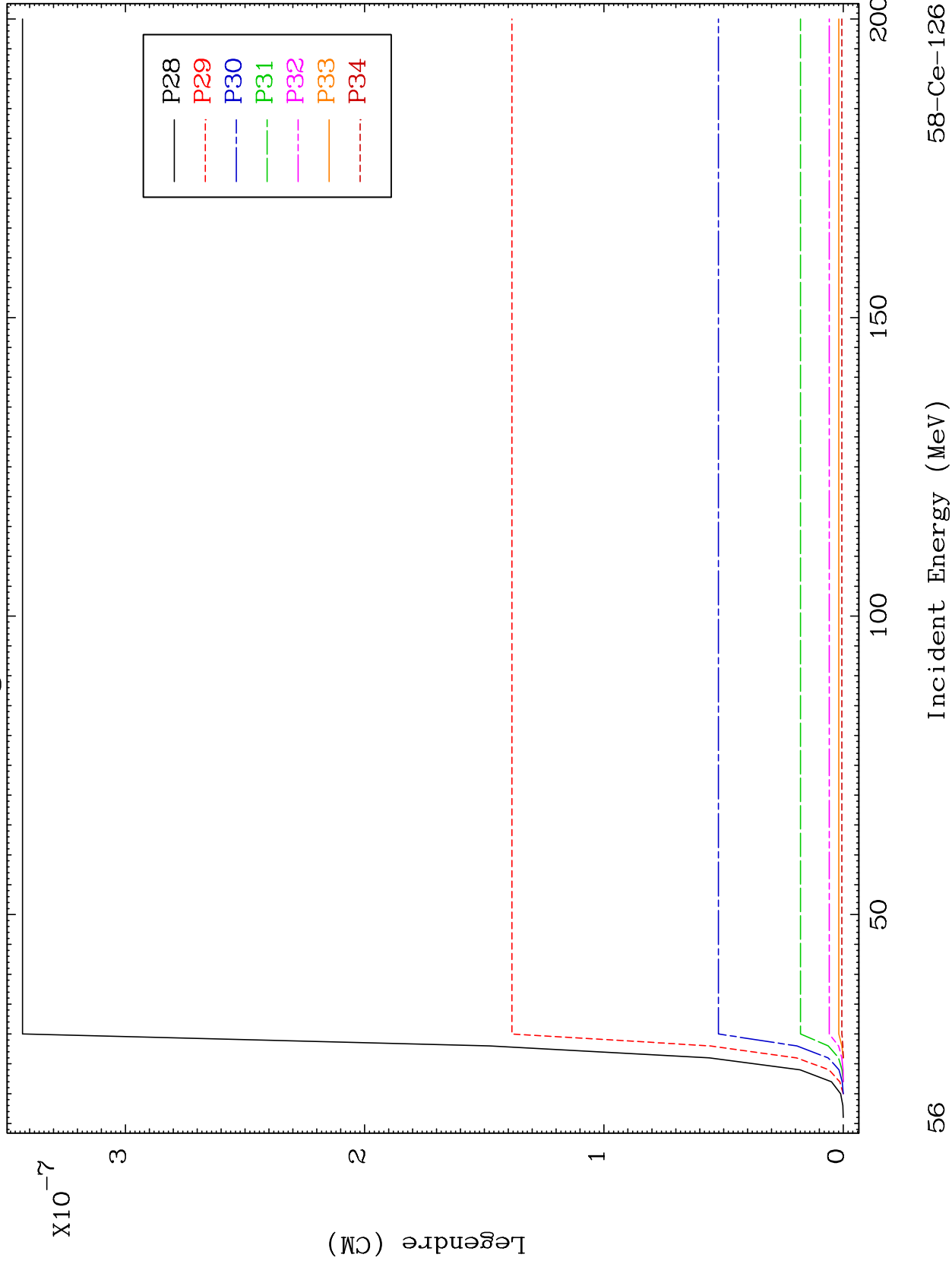




MAT 5795

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

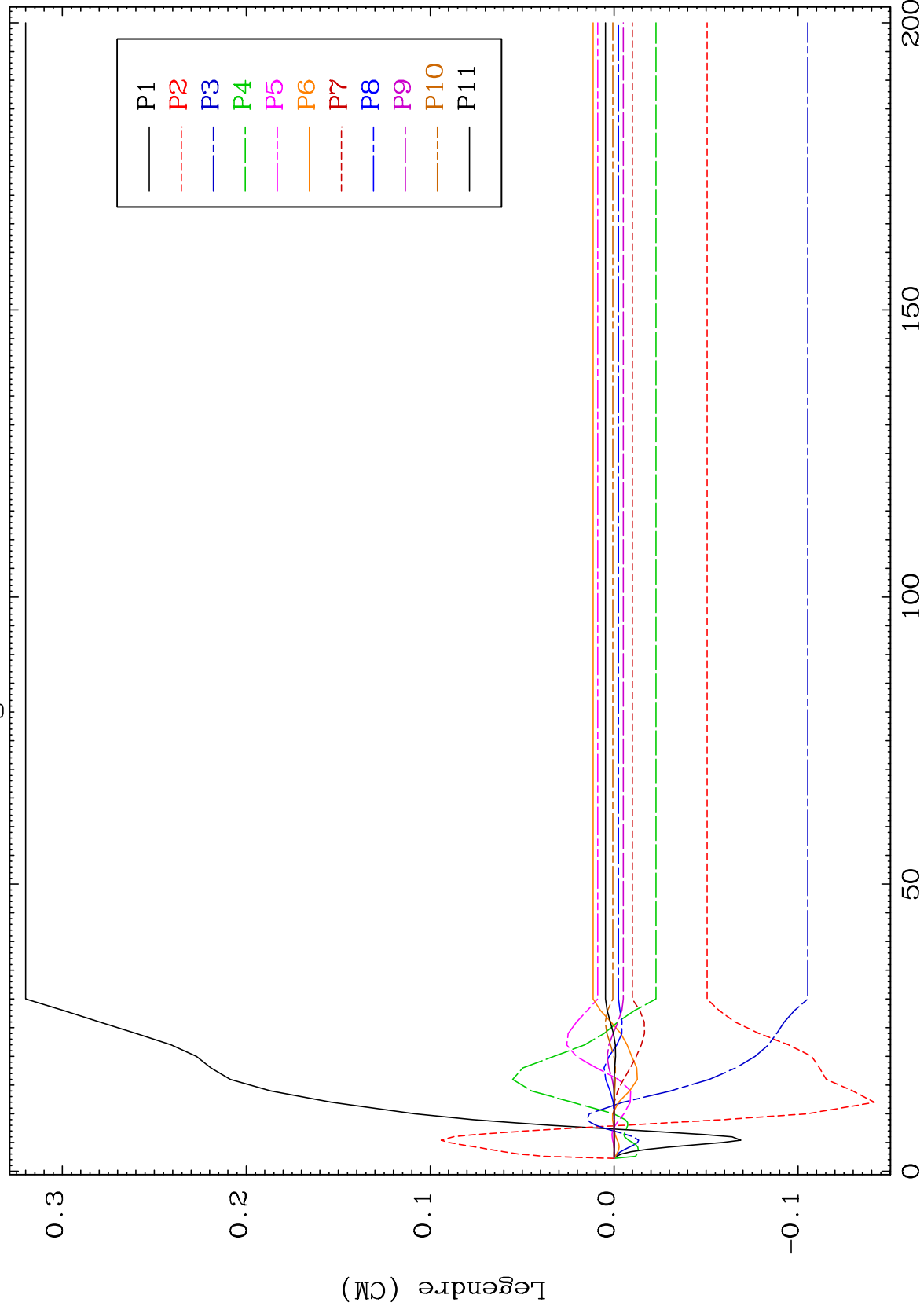
58-Ce-126



MAT 5795

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

58-Ce-126



57

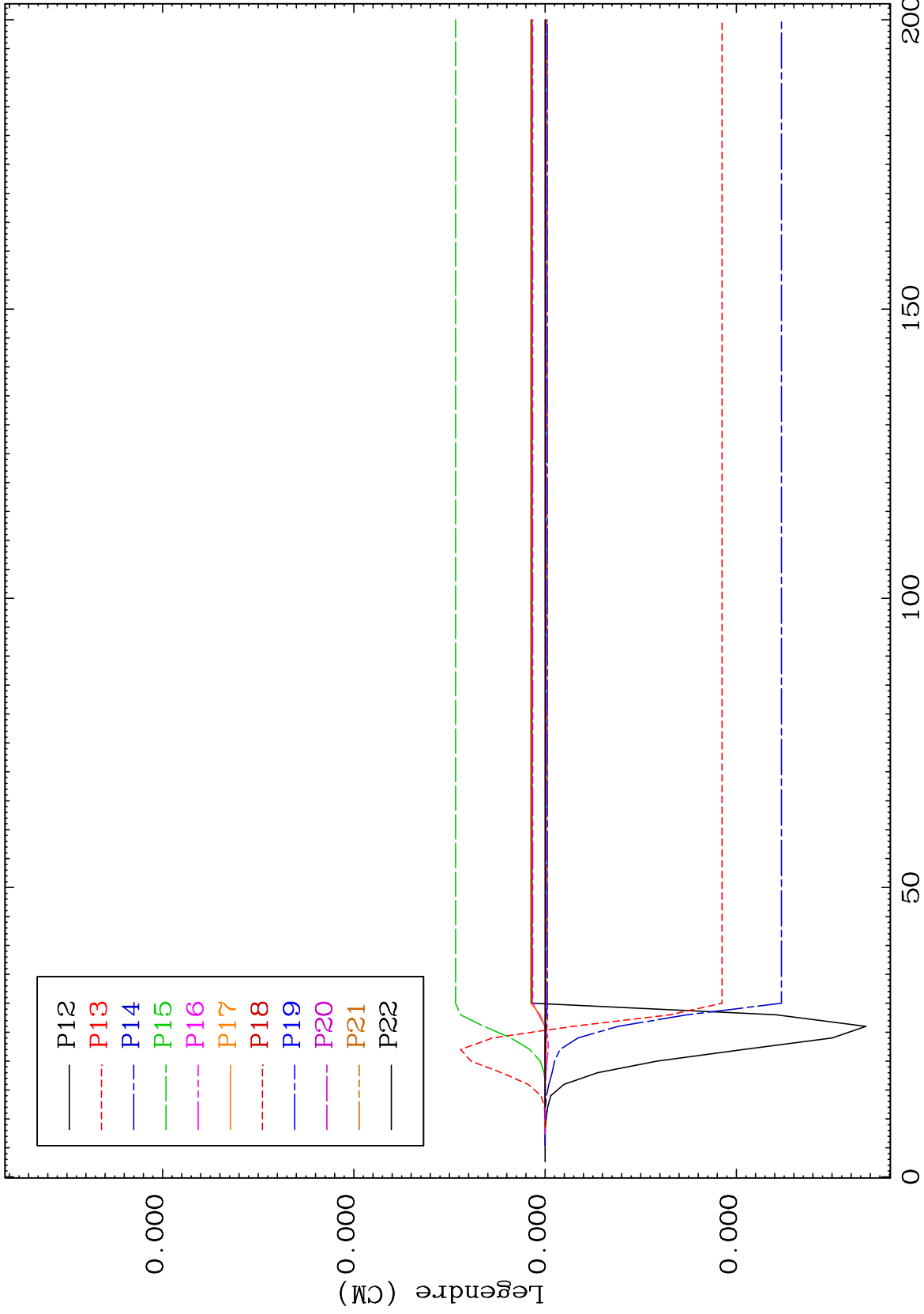
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



58

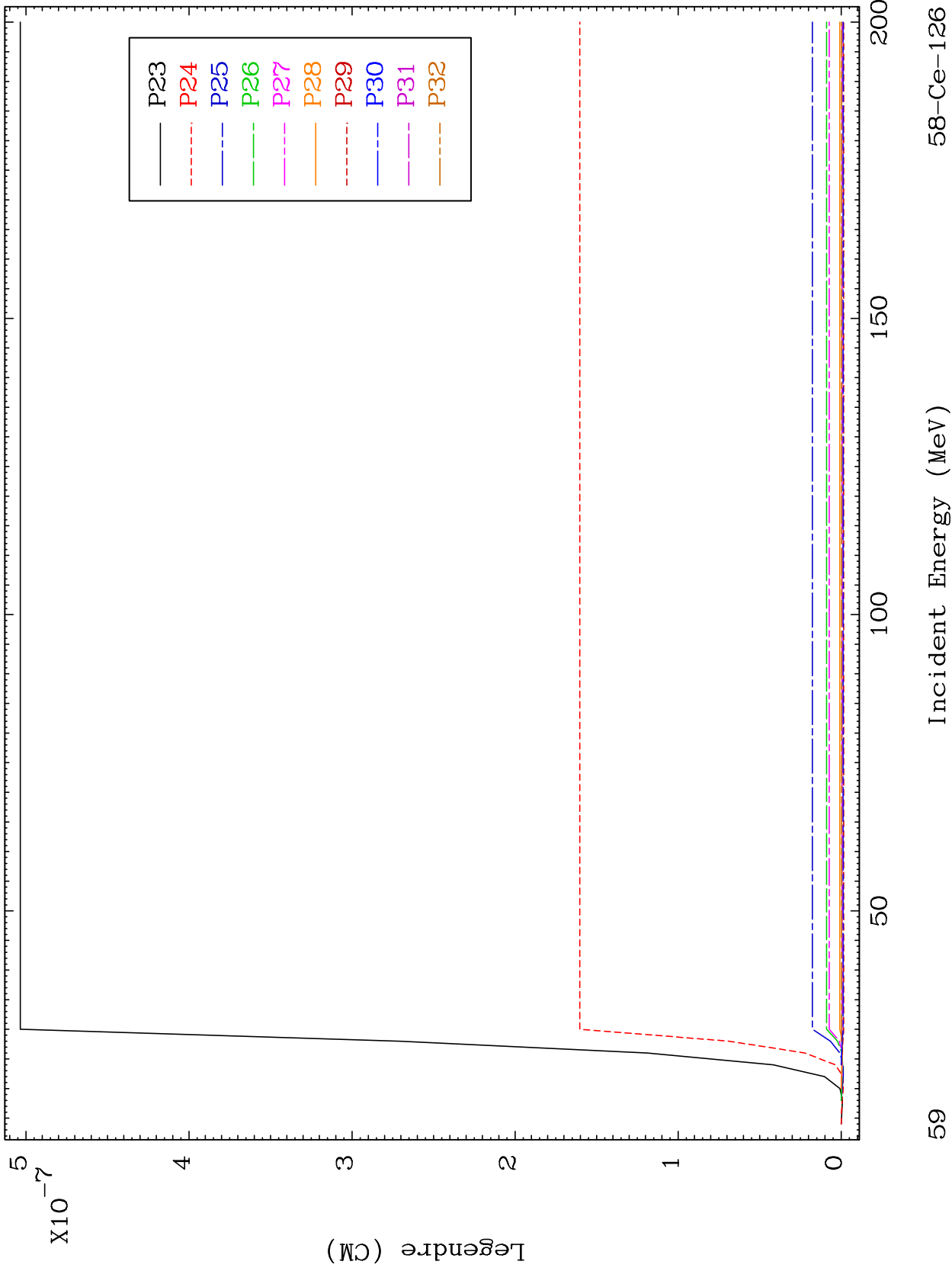
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

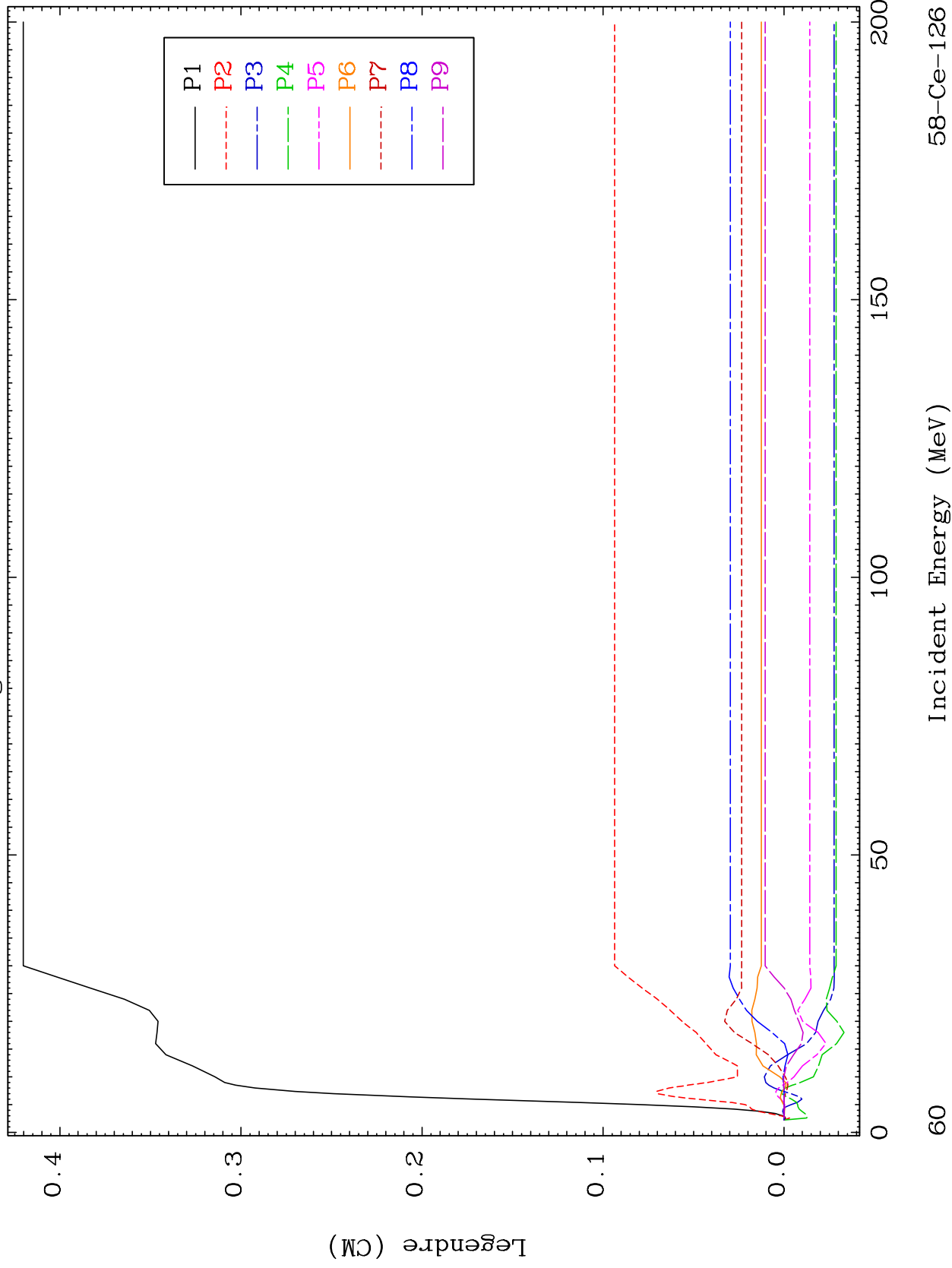
58-Ce-126



MAT 5795

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

58-Ce-126



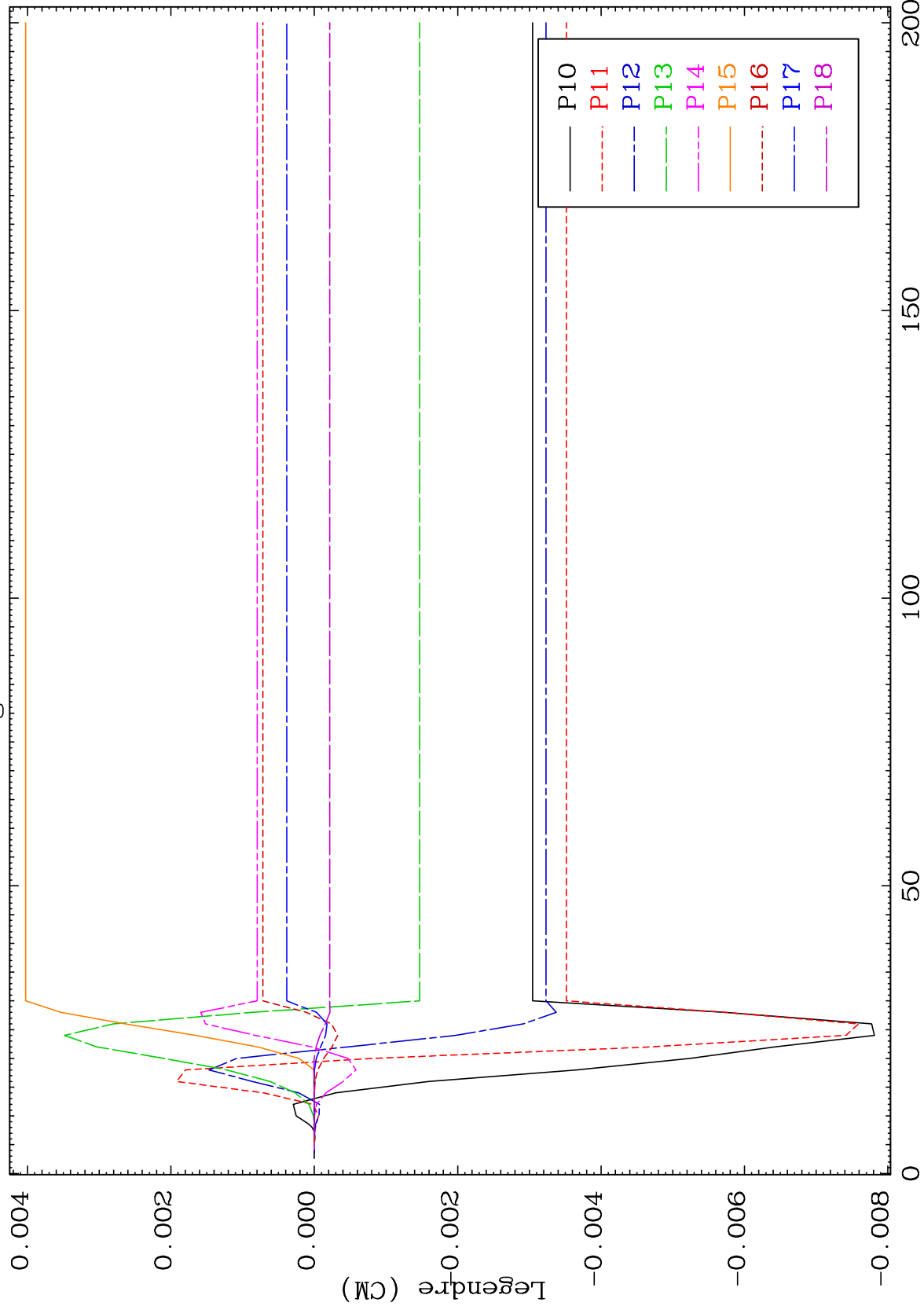
58-Ce-126

Incident Energy (MeV)

MAT 5795

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

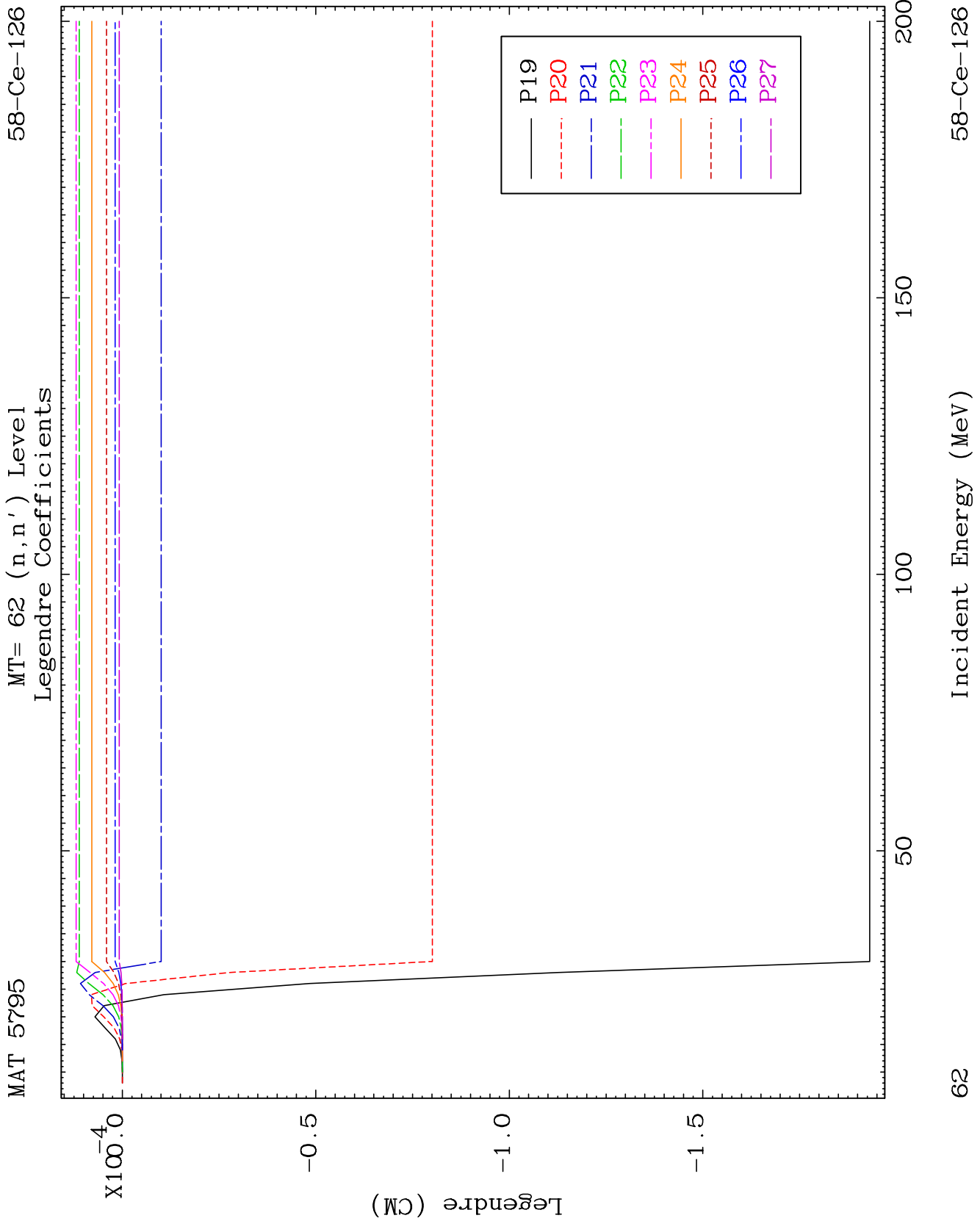
58-Ce-126



61

Incident Energy (MeV)

58-Ce-126



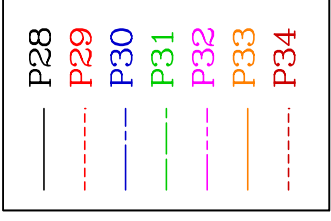
MAT 5795

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

58-Ce-126

$\times 10^{-7}$   
3

Legendre (CM)



0

50

100

150

200

63

Incident Energy (MeV)

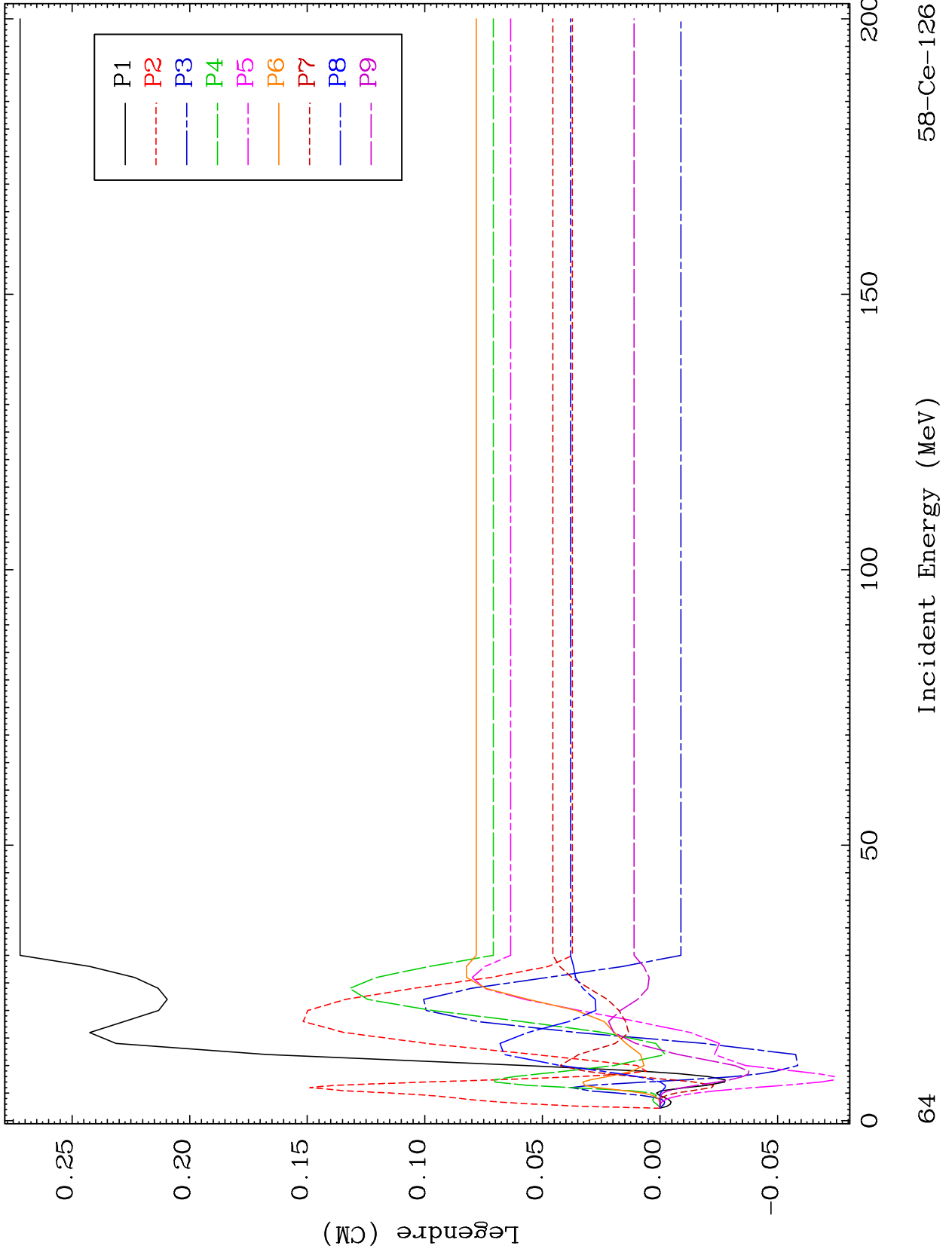
58-Ce-126



MAT 5795

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

58-Ce-126



58-Ce-126

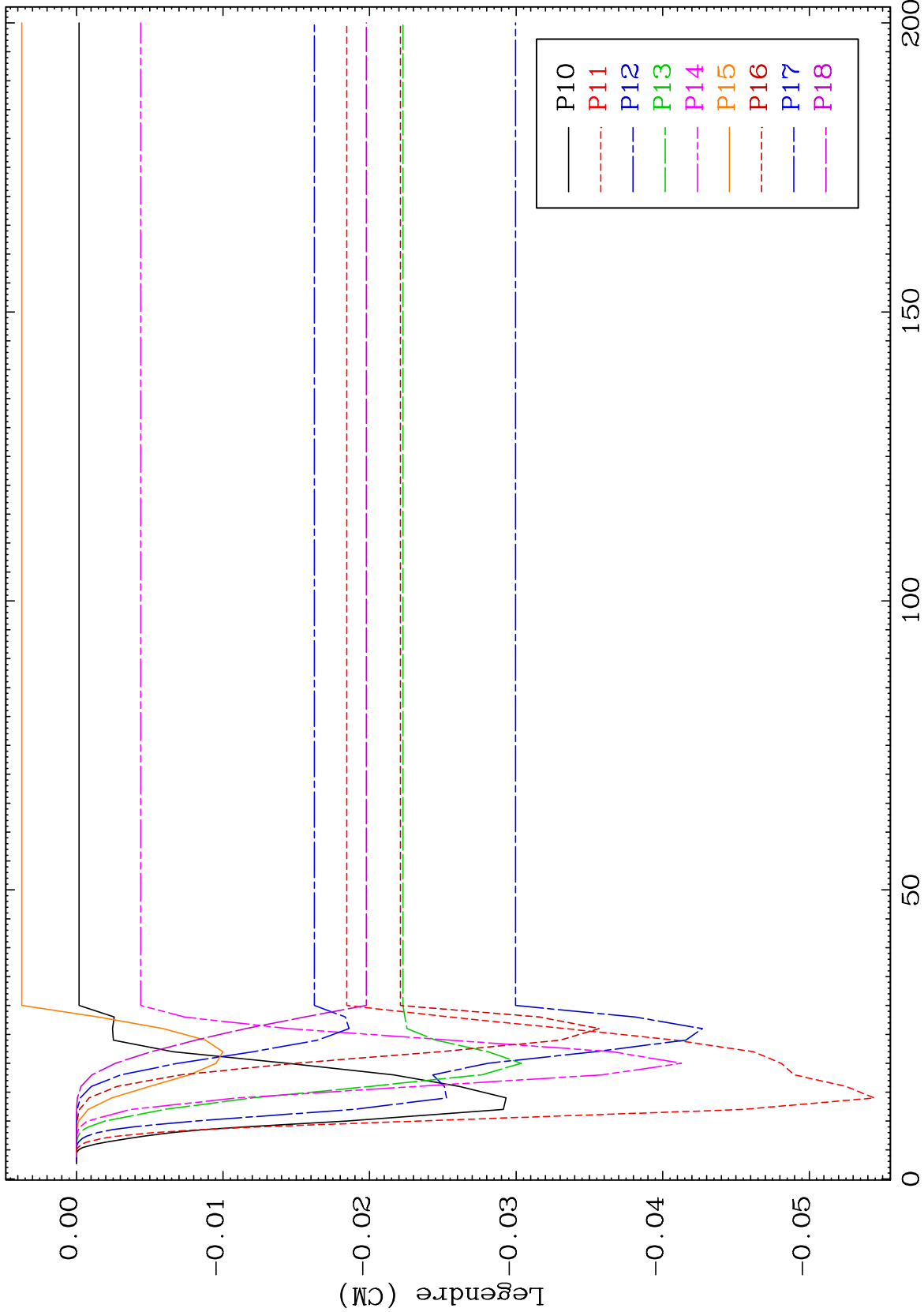
Incident Energy (MeV)

64

MAT 5795

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

58-Ce-126



65

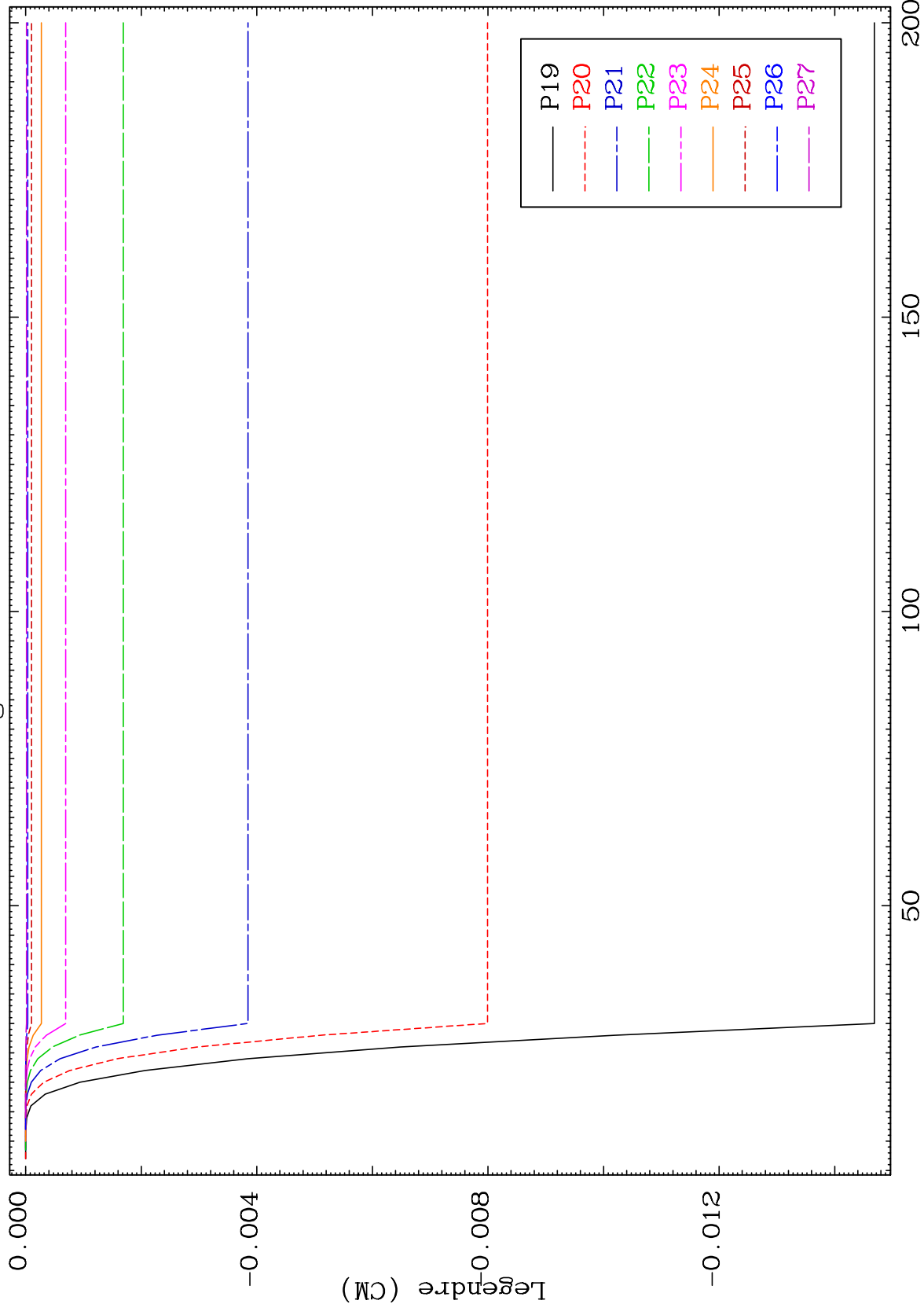
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



66

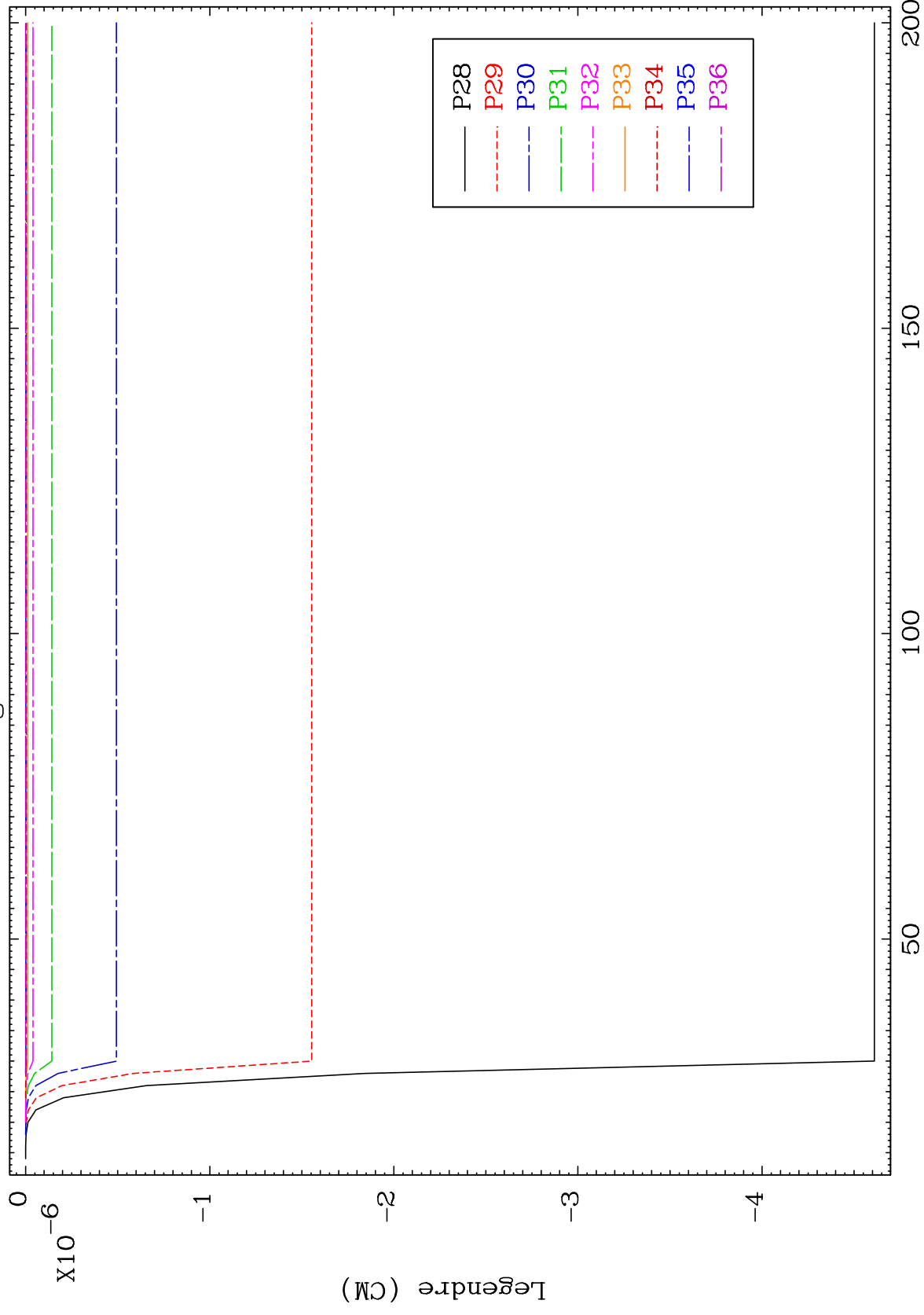
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



67

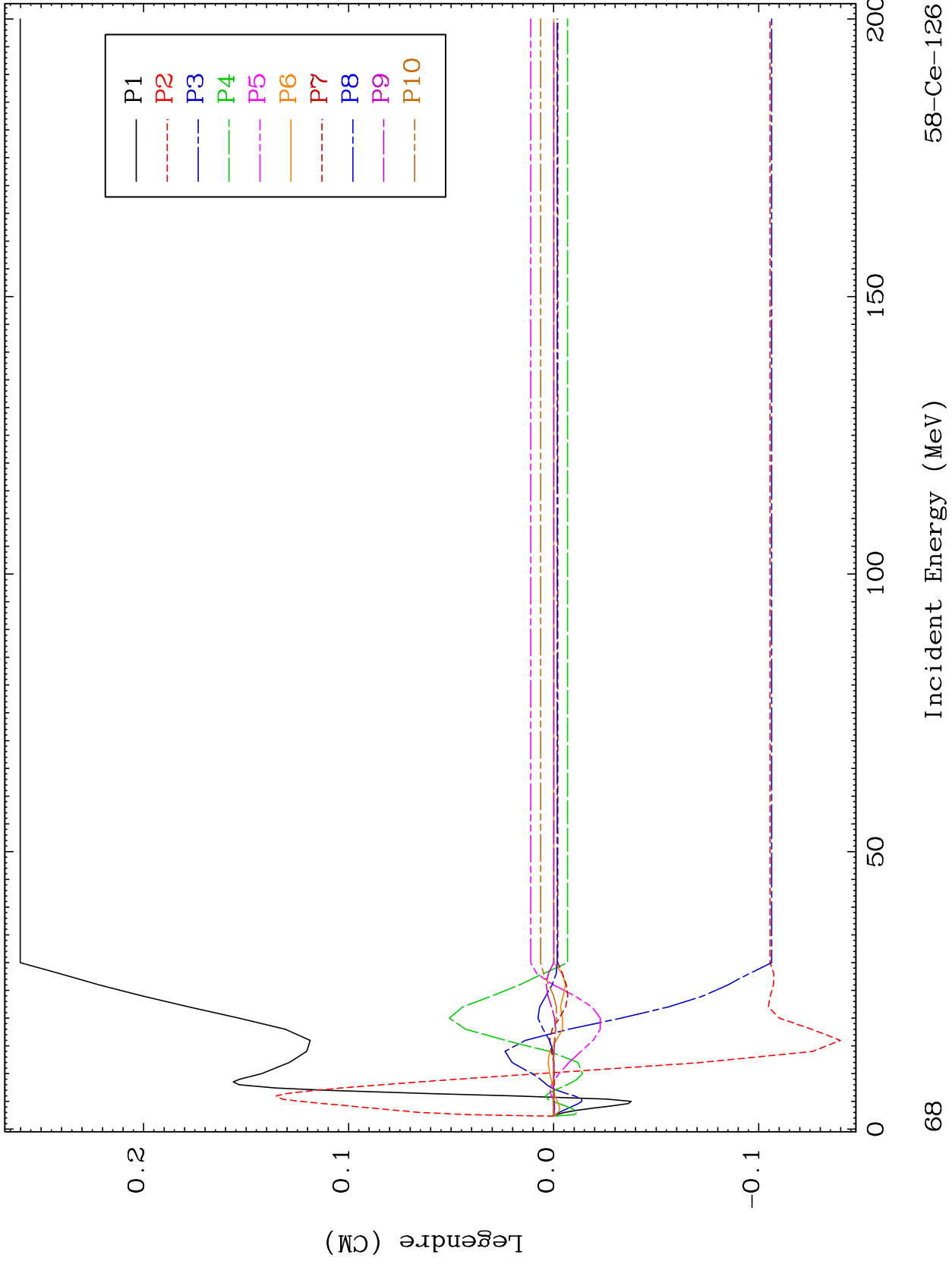
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



58-Ce-126

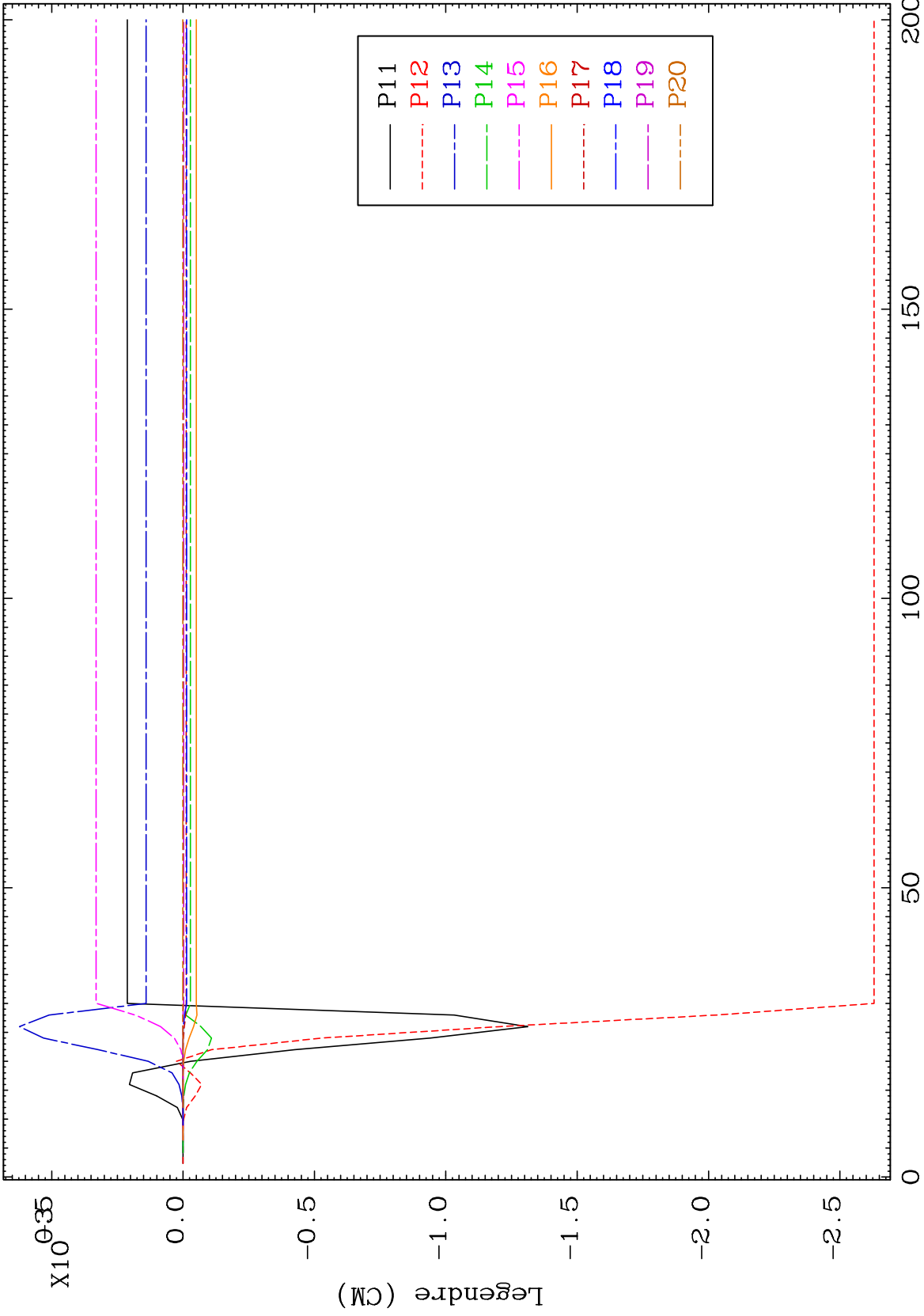
Incident Energy (MeV)

68

MAT 5795

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

58-Ce-126



69

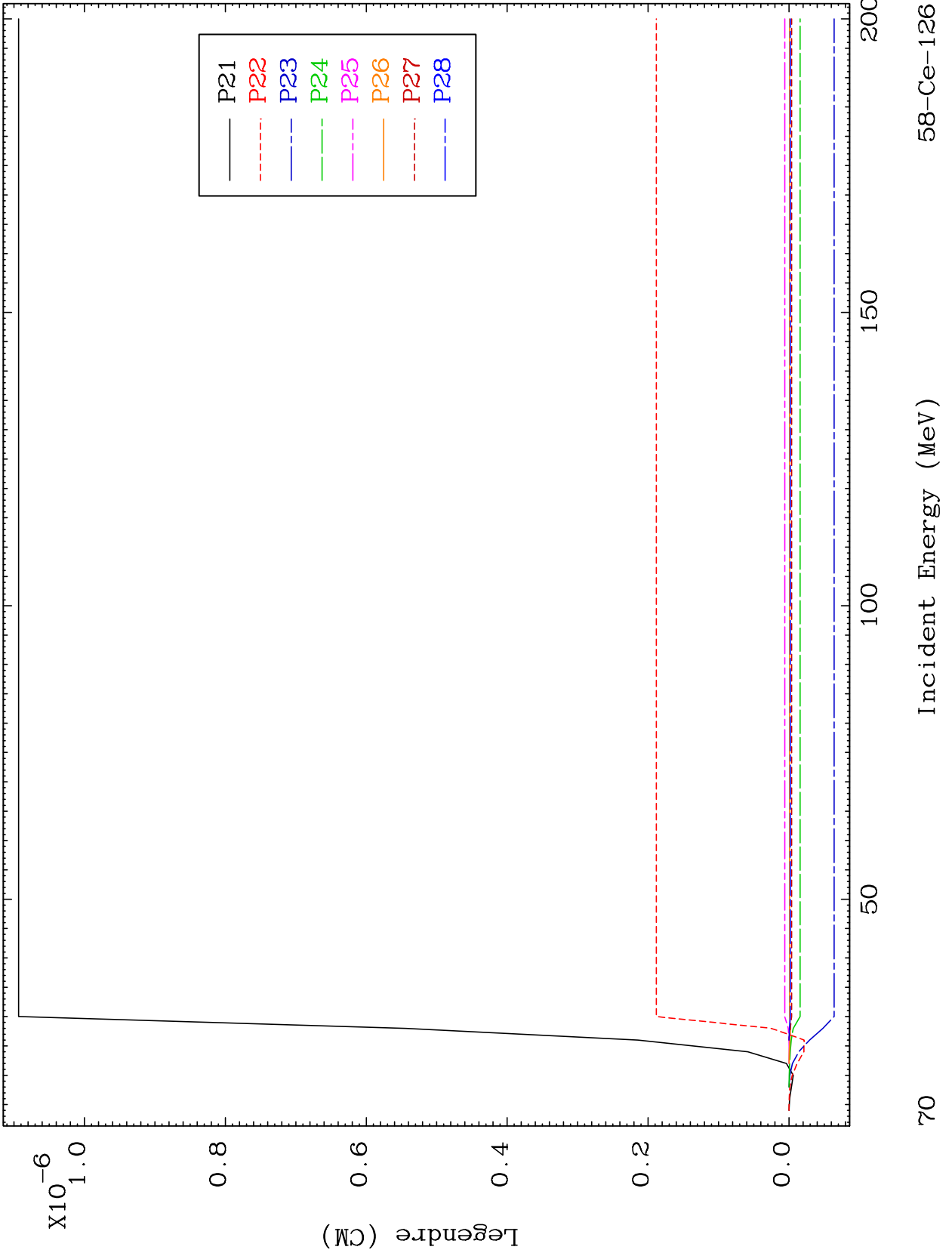
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

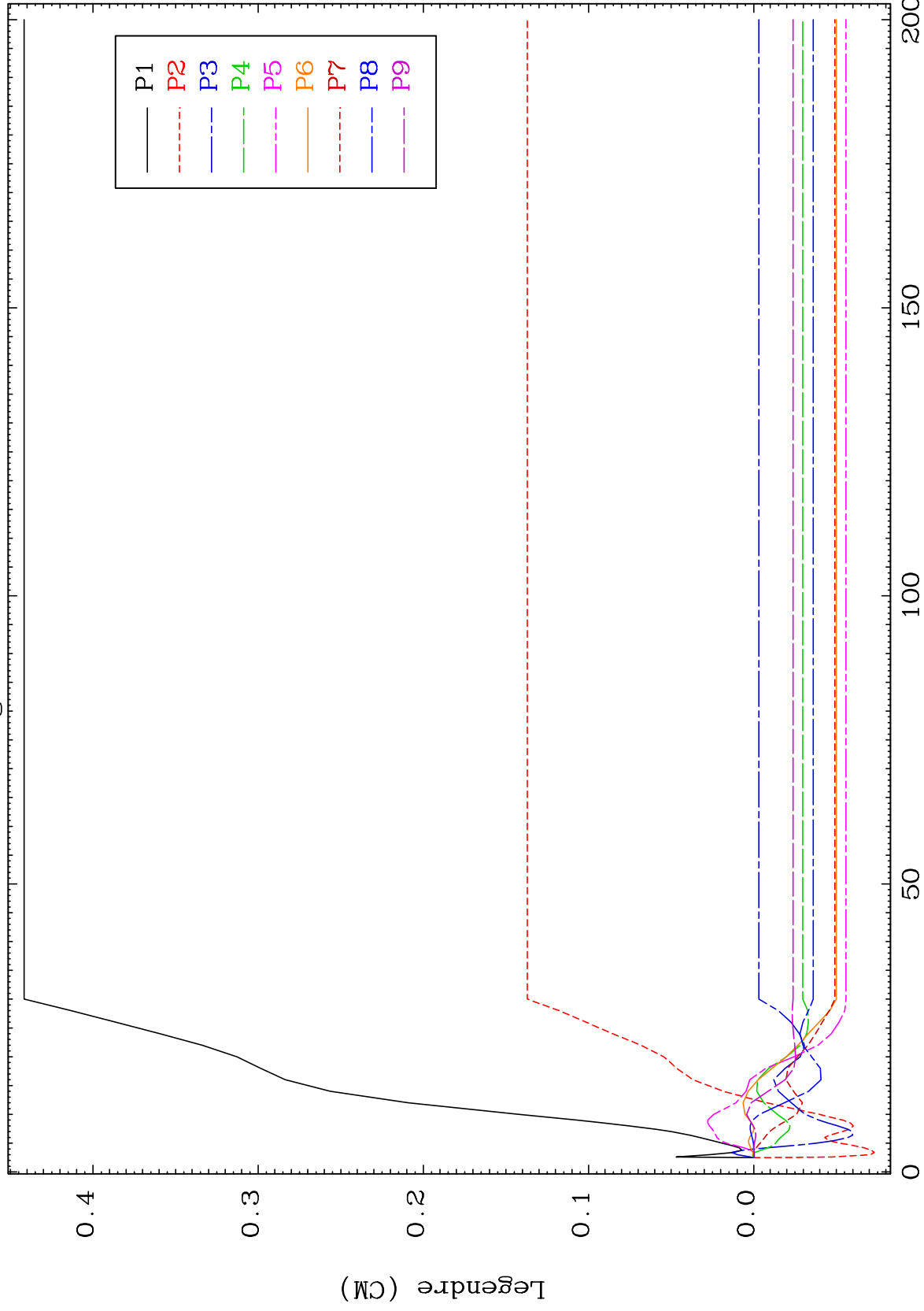
58-Ce-126



MAT 5795

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

58-Ce-126



71

Incident Energy (MeV)

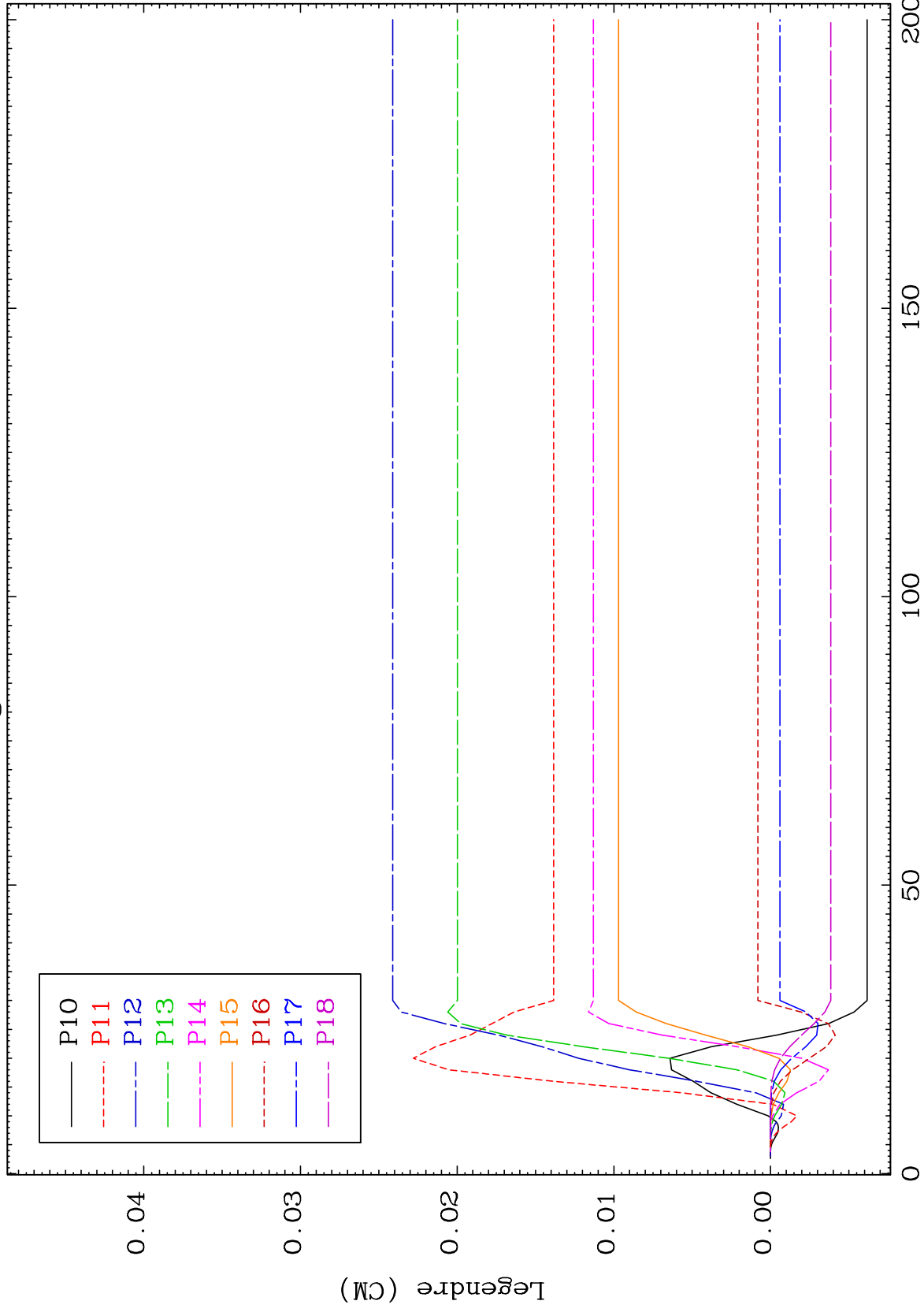
58-Ce-126



MAT 5795

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

58-Ce-126



72

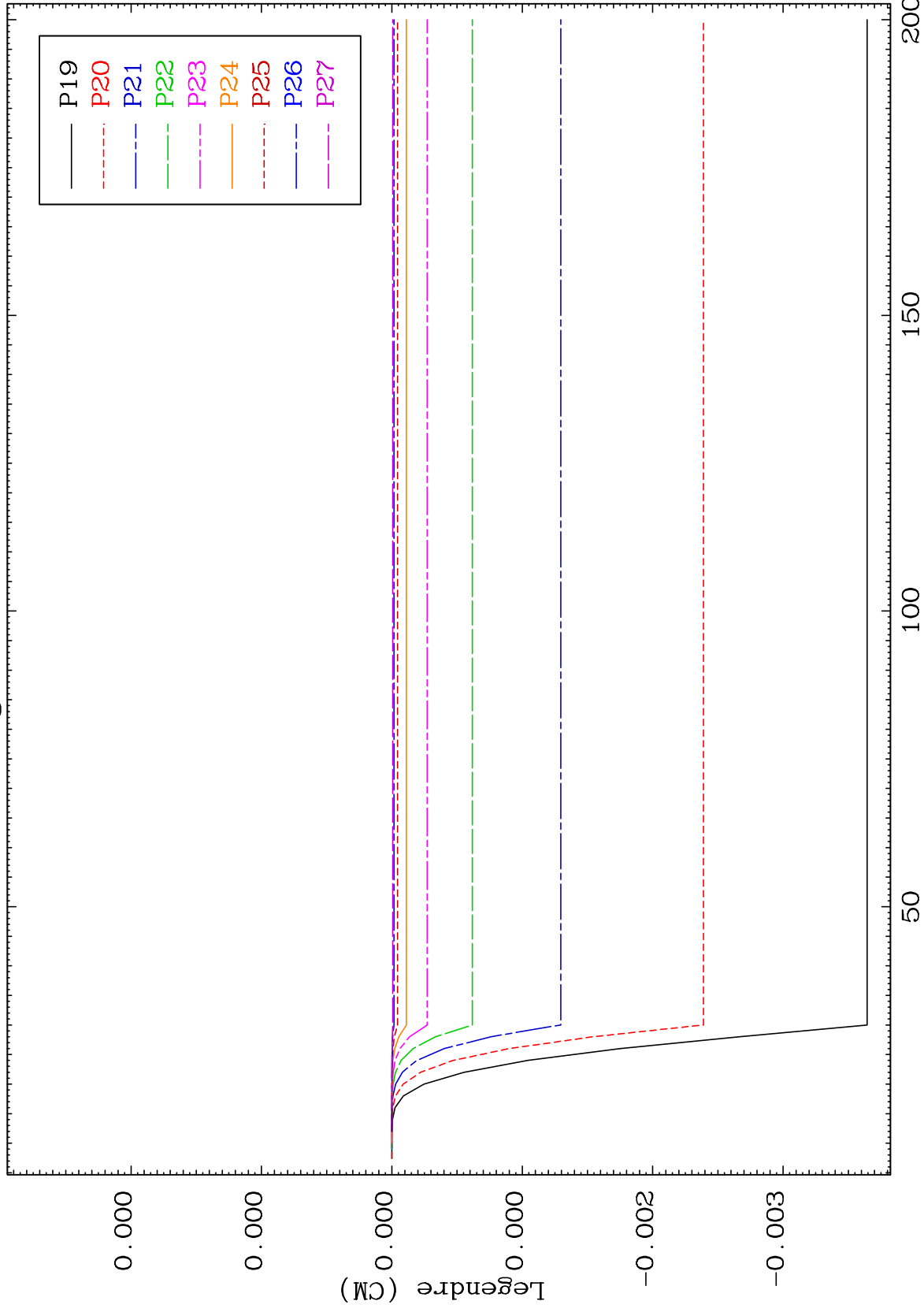
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



73

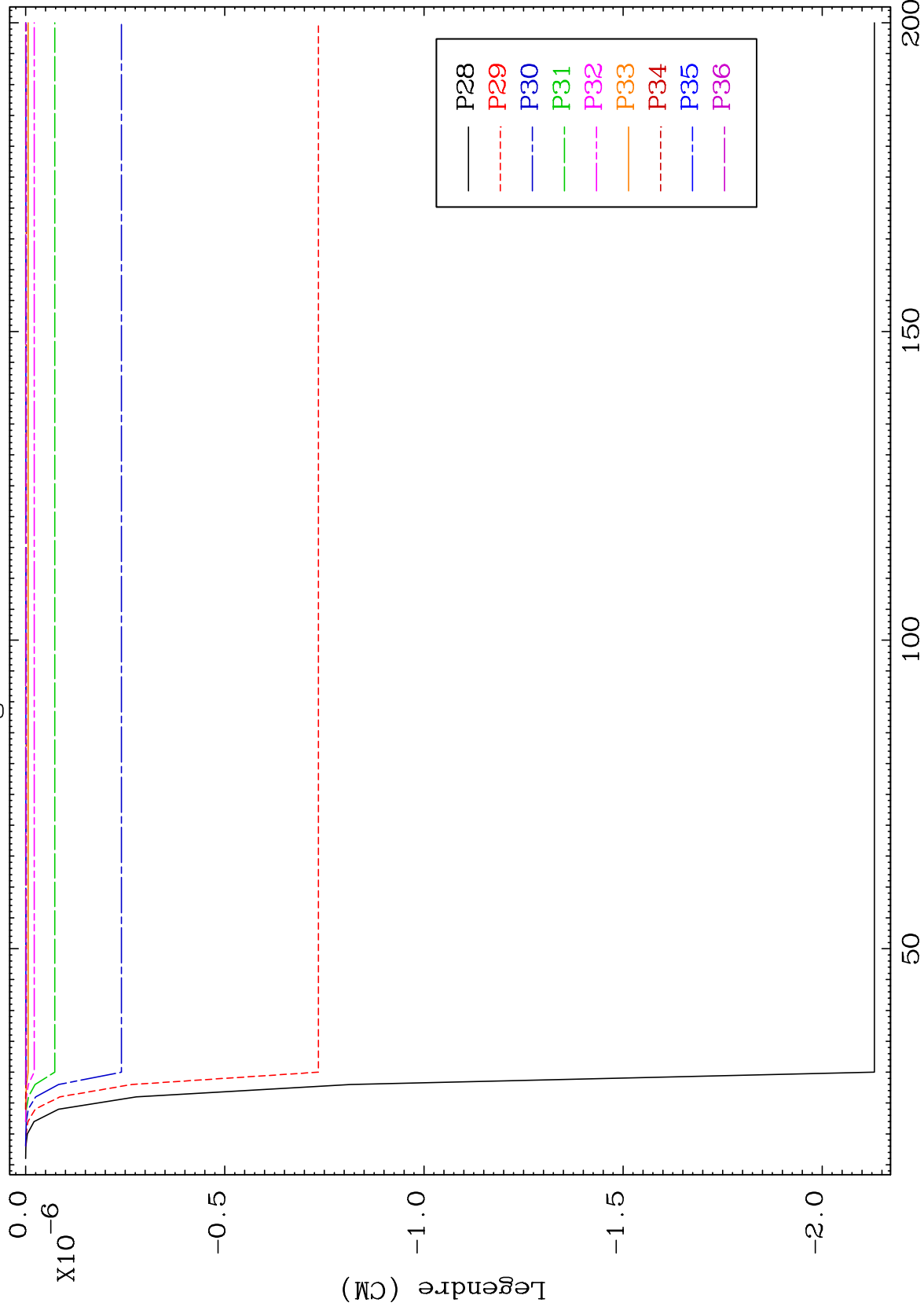
Incident Energy (MeV)

58-Ce-126

MAT 5795

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

58-Ce-126



74

Incident Energy (MeV)

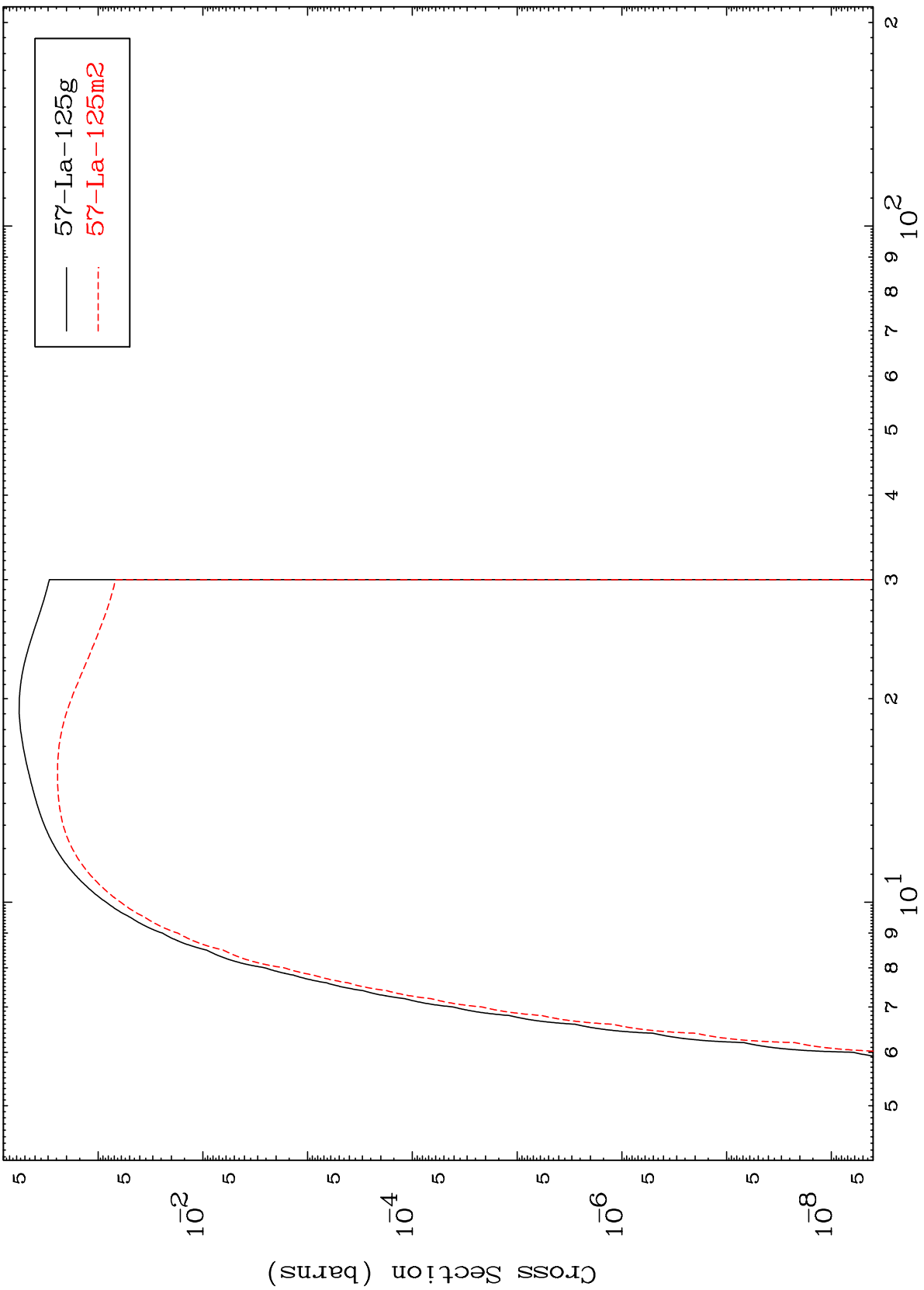
58-Ce-126

MAT 5795

(n,n') p

58-Ce-126

Radionuclide Production Cross Section



75

Incident Energy (MeV)

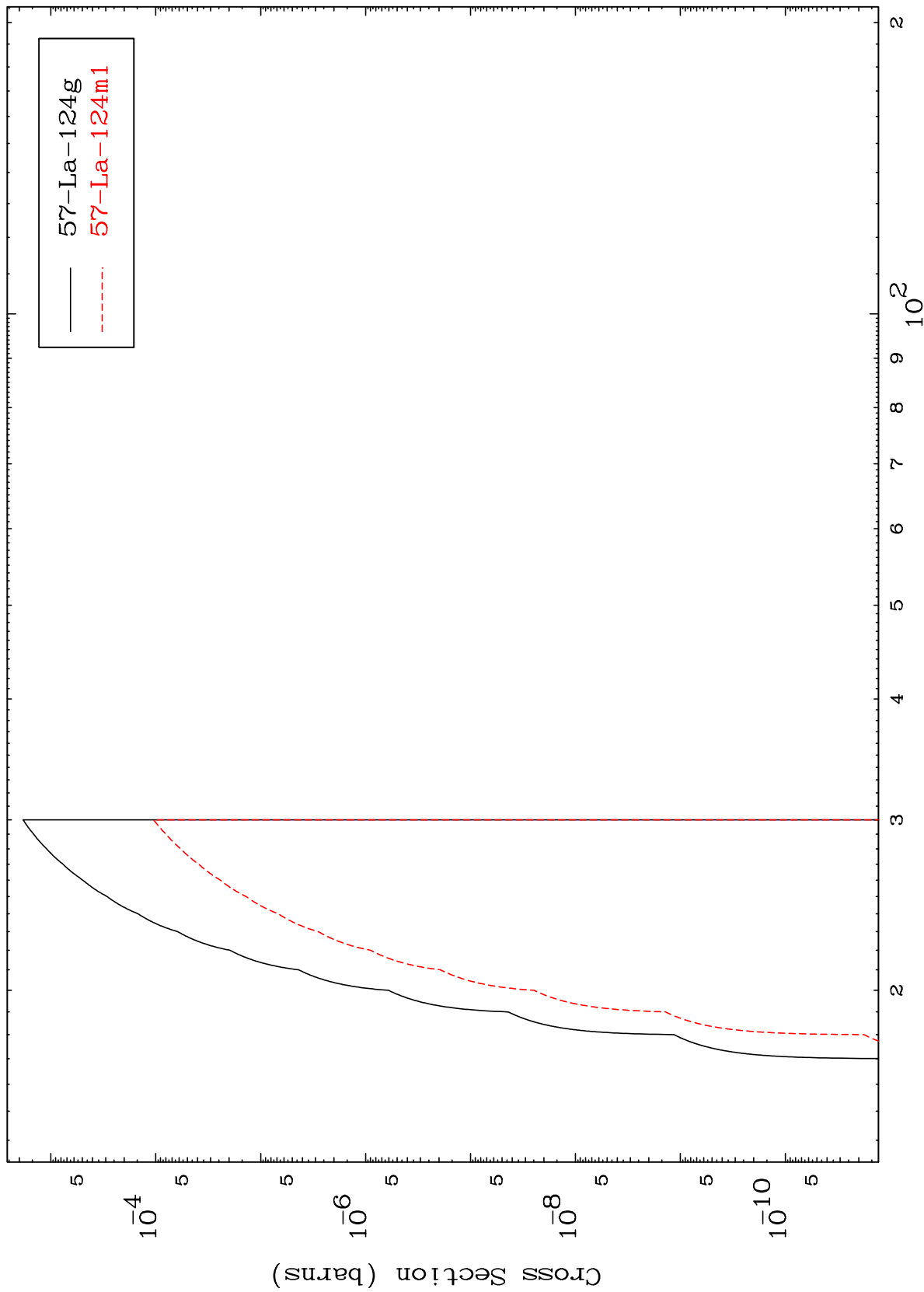
58-Ce-126

MAT 5795

(n,n') d

58-Ce-126

Radionuclide Production Cross Section



76

Incident Energy (MeV)

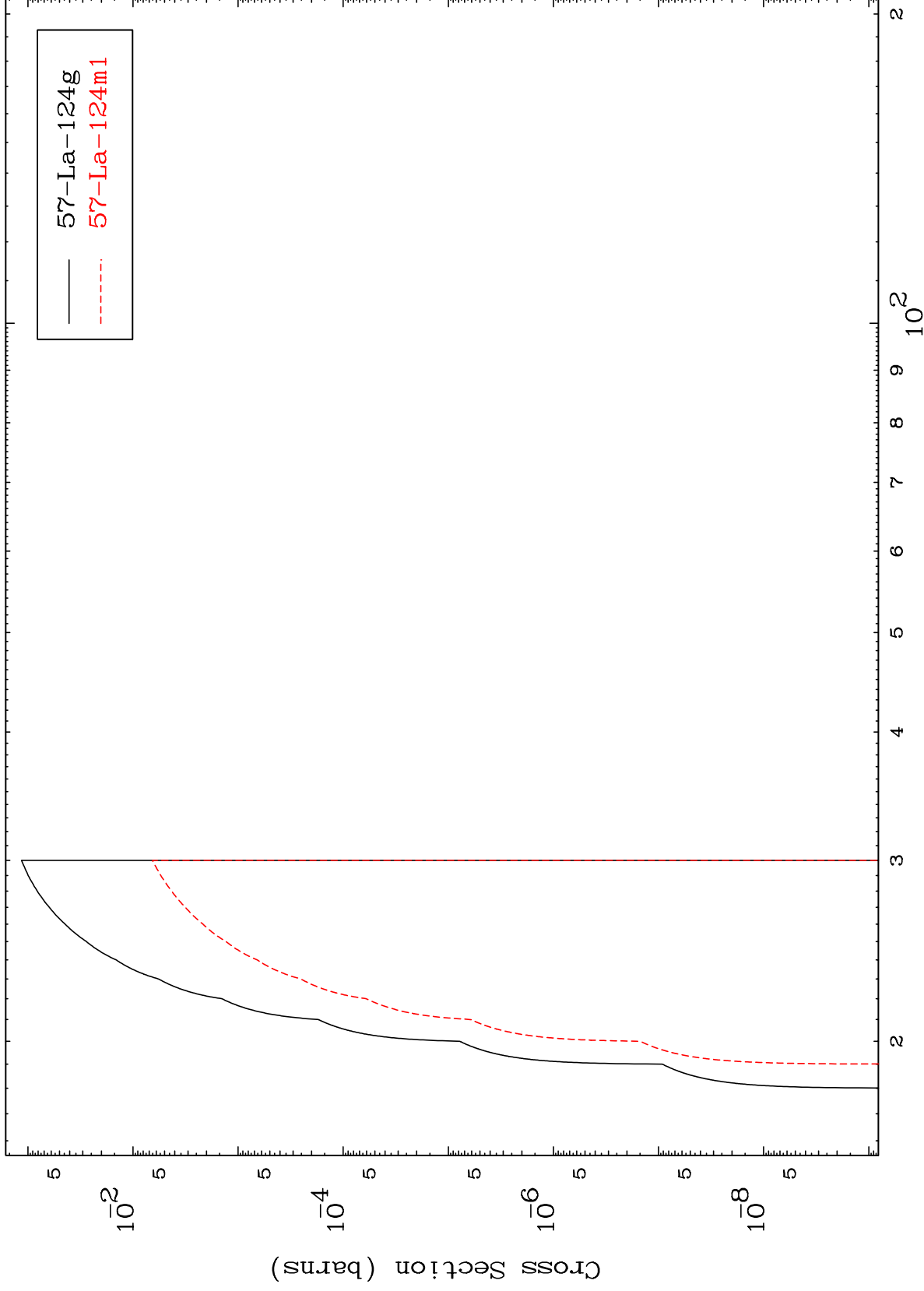
58-Ce-126

MAT 5795

(n,2n) p

58-Ce-126

Radionuclide Production Cross Section



57-La-124g  
57-La-124m1

77

Incident Energy (MeV)

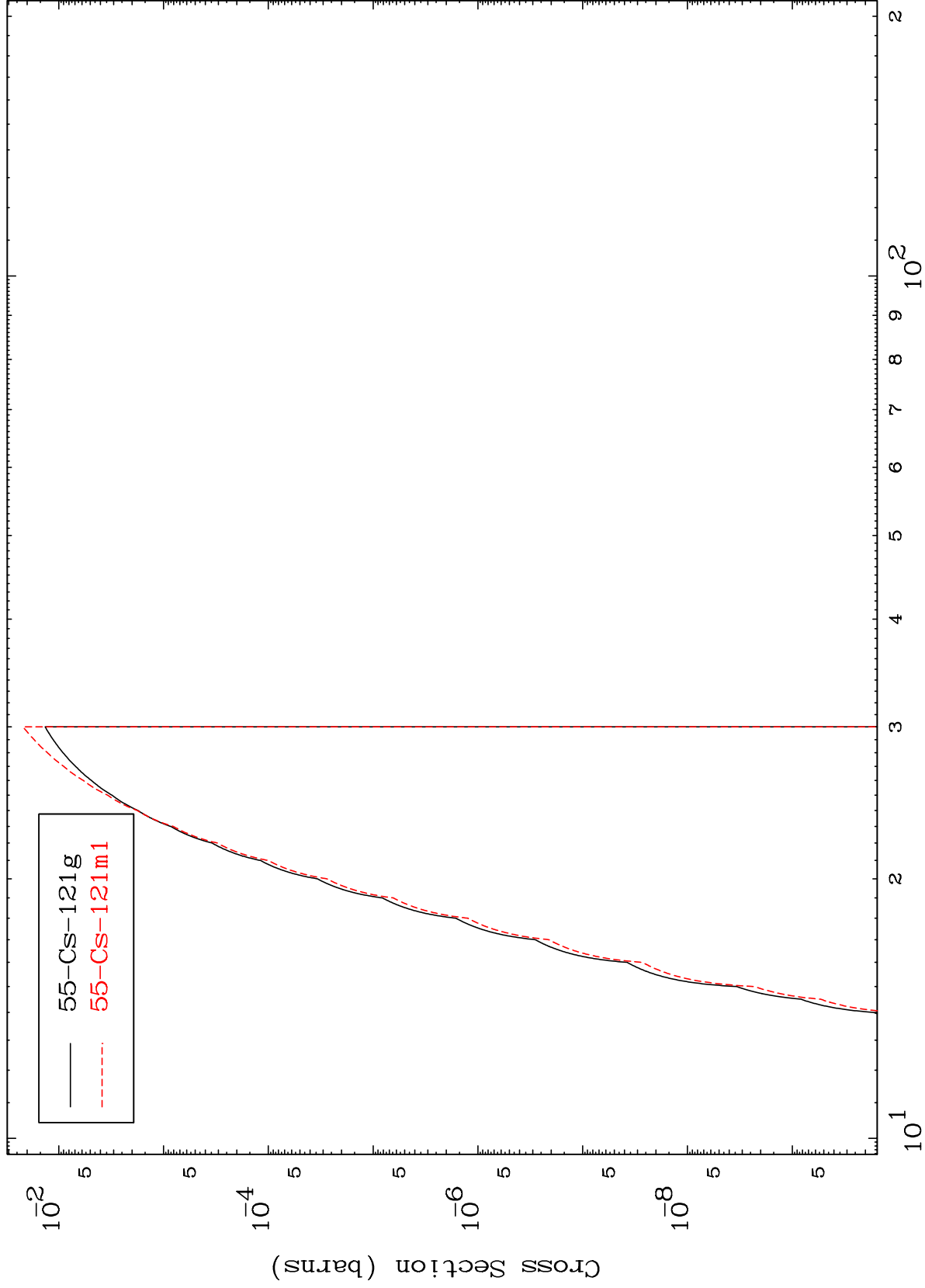
58-Ce-126

MAT 5795

(n,n') p  $\alpha$

58-Ce-126

Radionuclide Production Cross Section



58-Ce-126

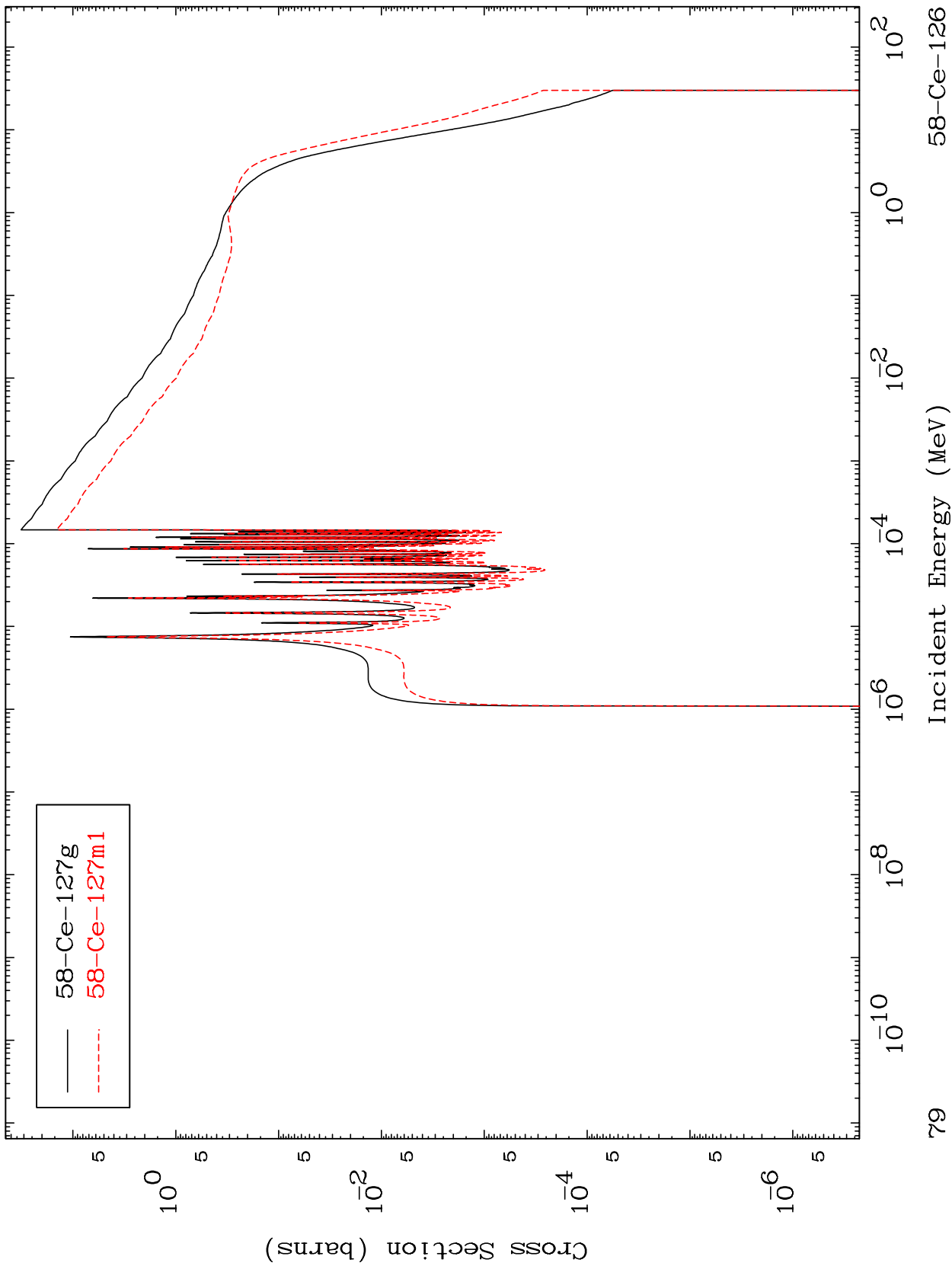
58-Ce-126

78

MAT 5795

58-Ce-126

(n,  $\gamma$ )  
Radionuclide Production Cross Section



79

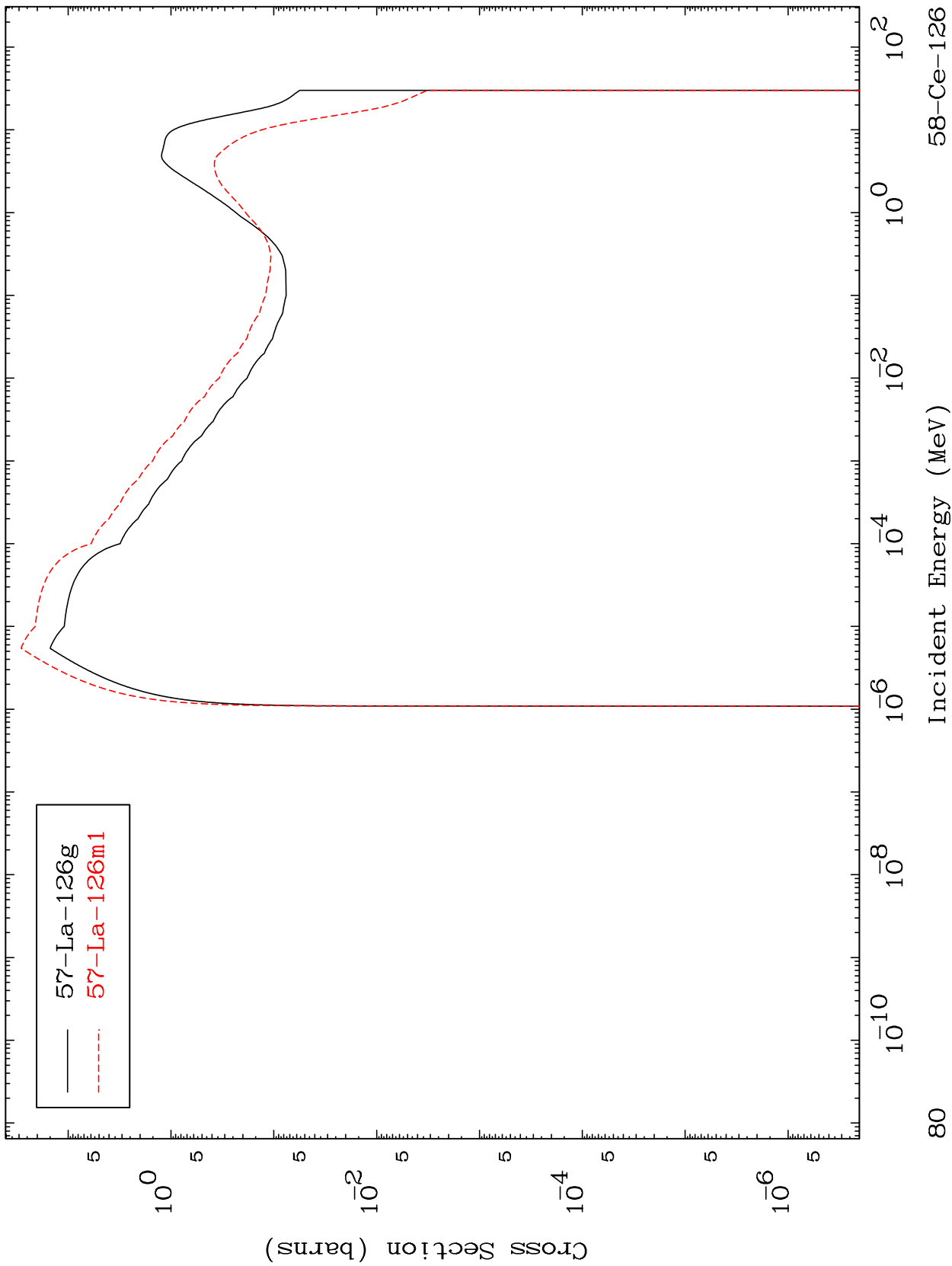
58-Ce-126



MAT 5795

58-Ce-126

(n,p)  
Radionuclide Production Cross Section



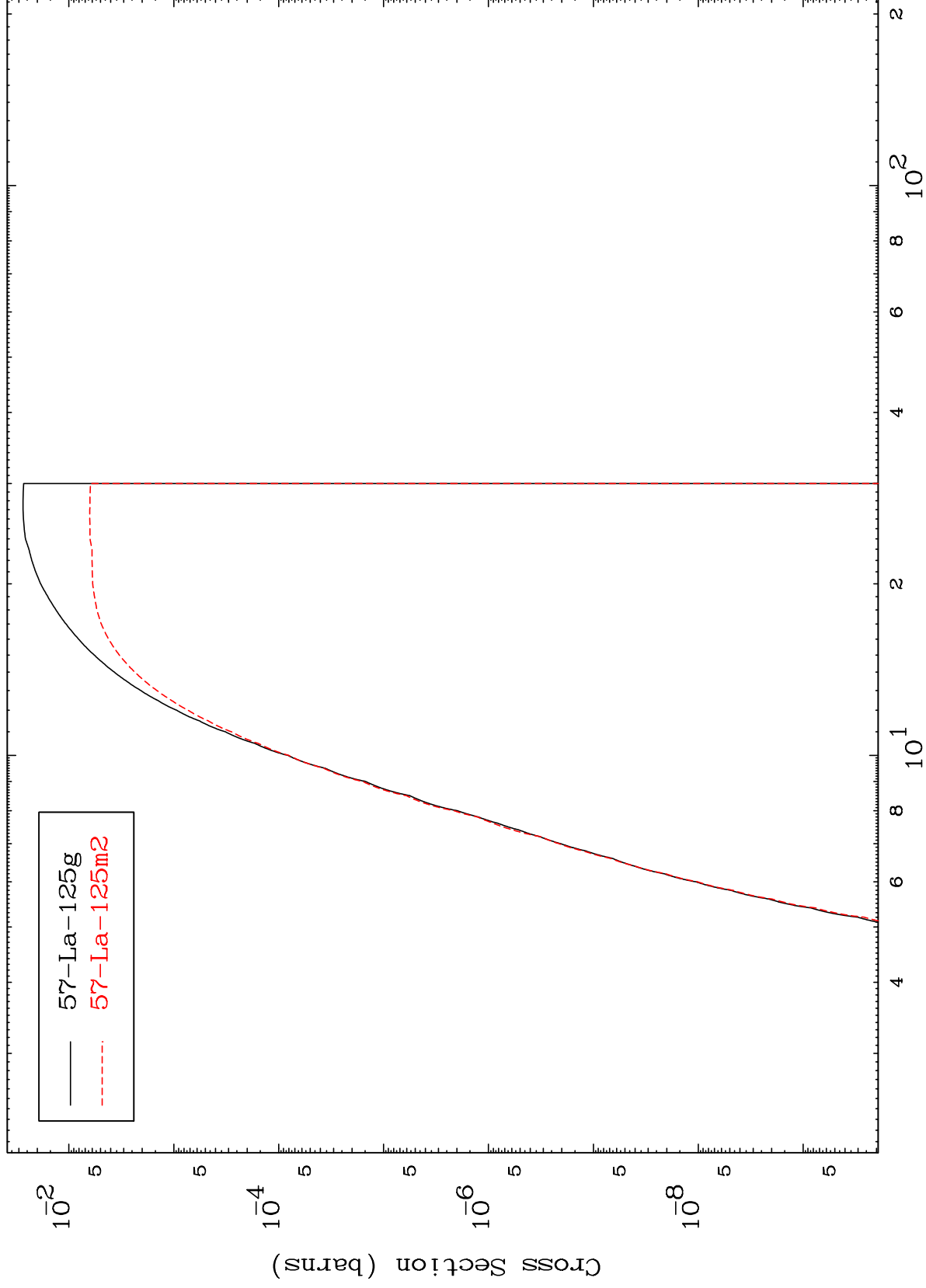
80

MAT 5795

(n,d)

58-Ce-126

Radionuclide Production Cross Section

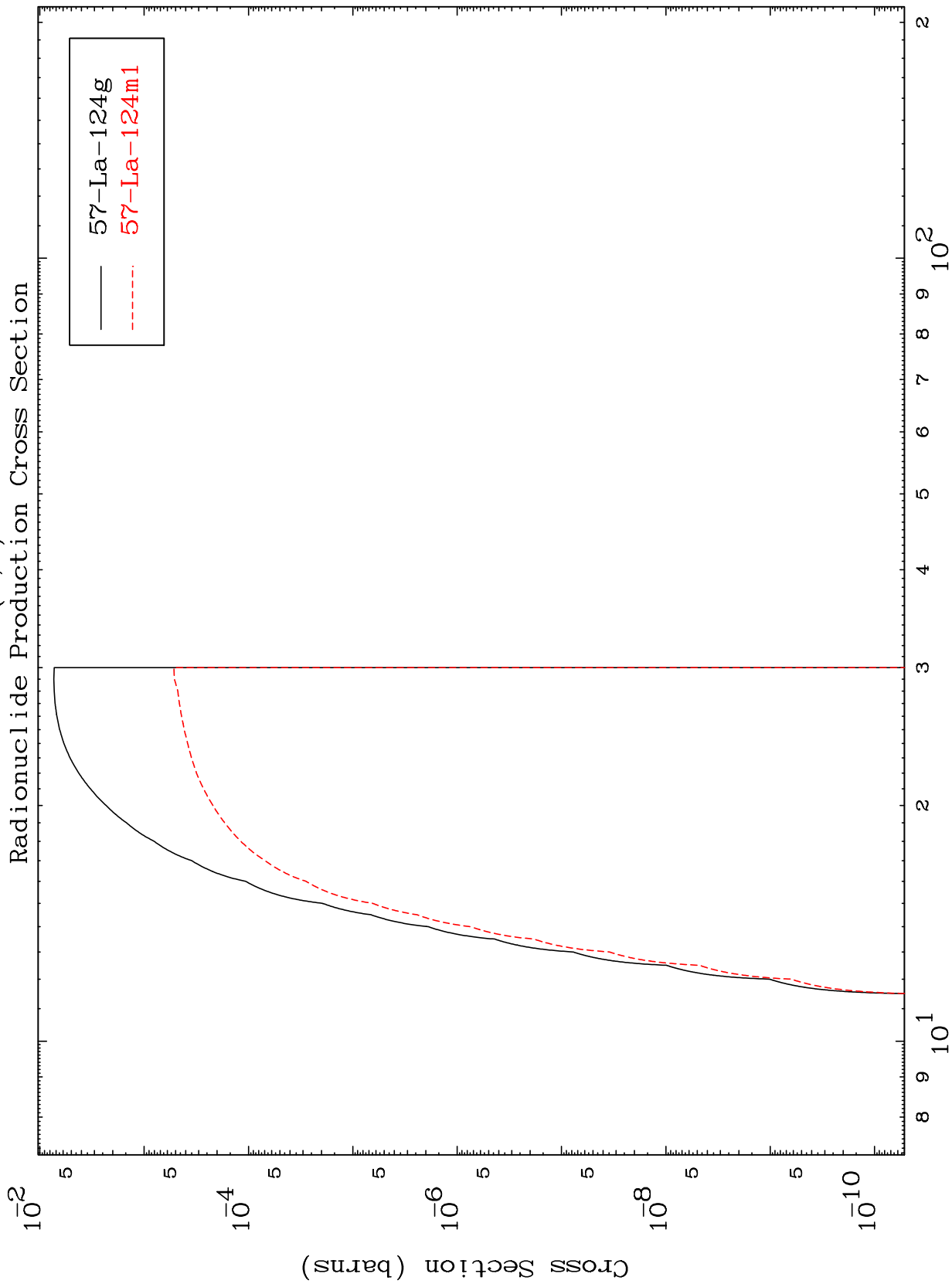


— 57-La-125g  
- - - 57-La-125m2

MAT 5795

58-Ce-126

(n, t)  
Radionuclide Production Cross Section



82

Incident Energy (MeV)

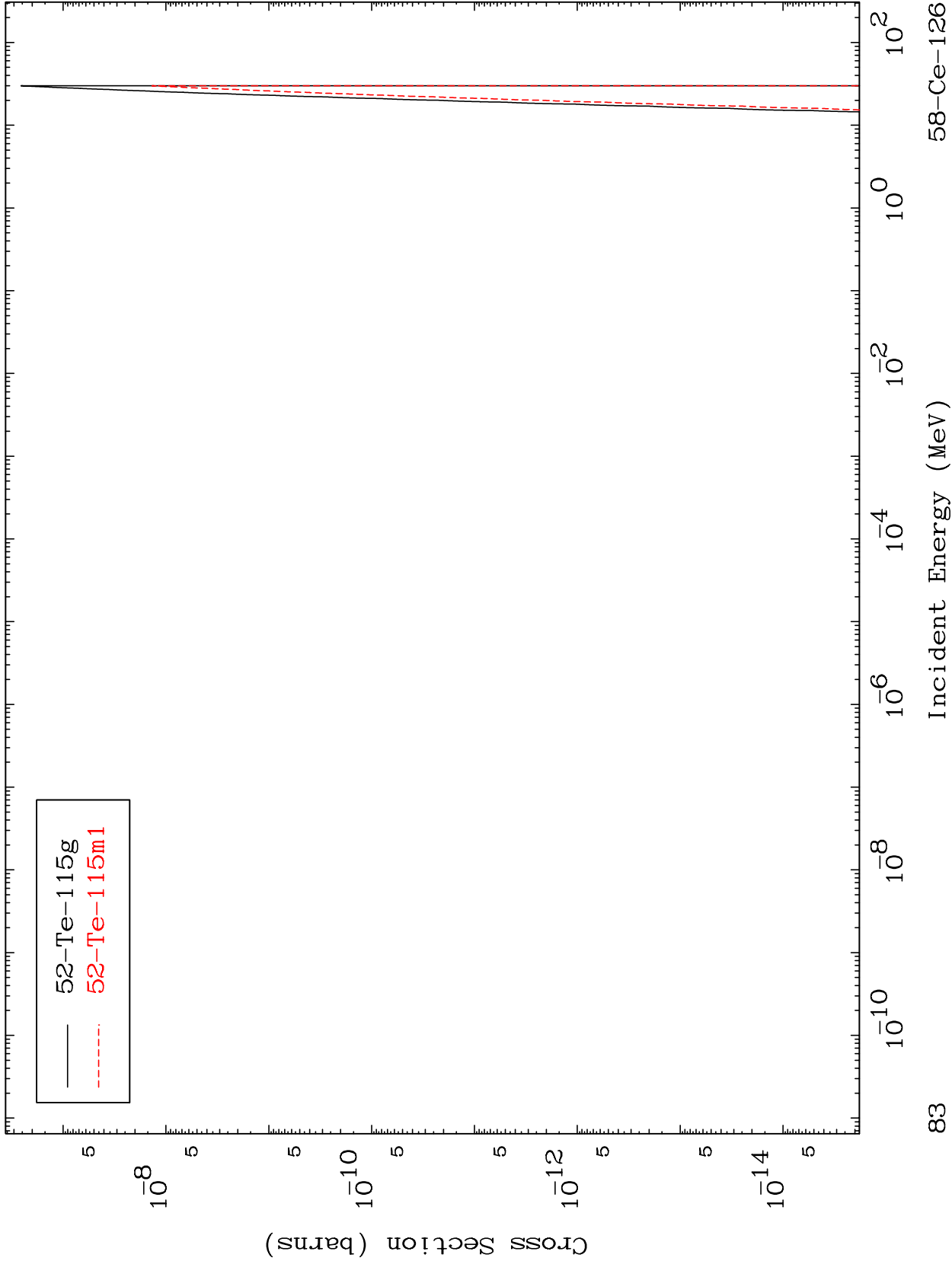
58-Ce-126

MAT 5795

(n,3 $\alpha$ )

58-Ce-126

Radionuclide Production Cross Section

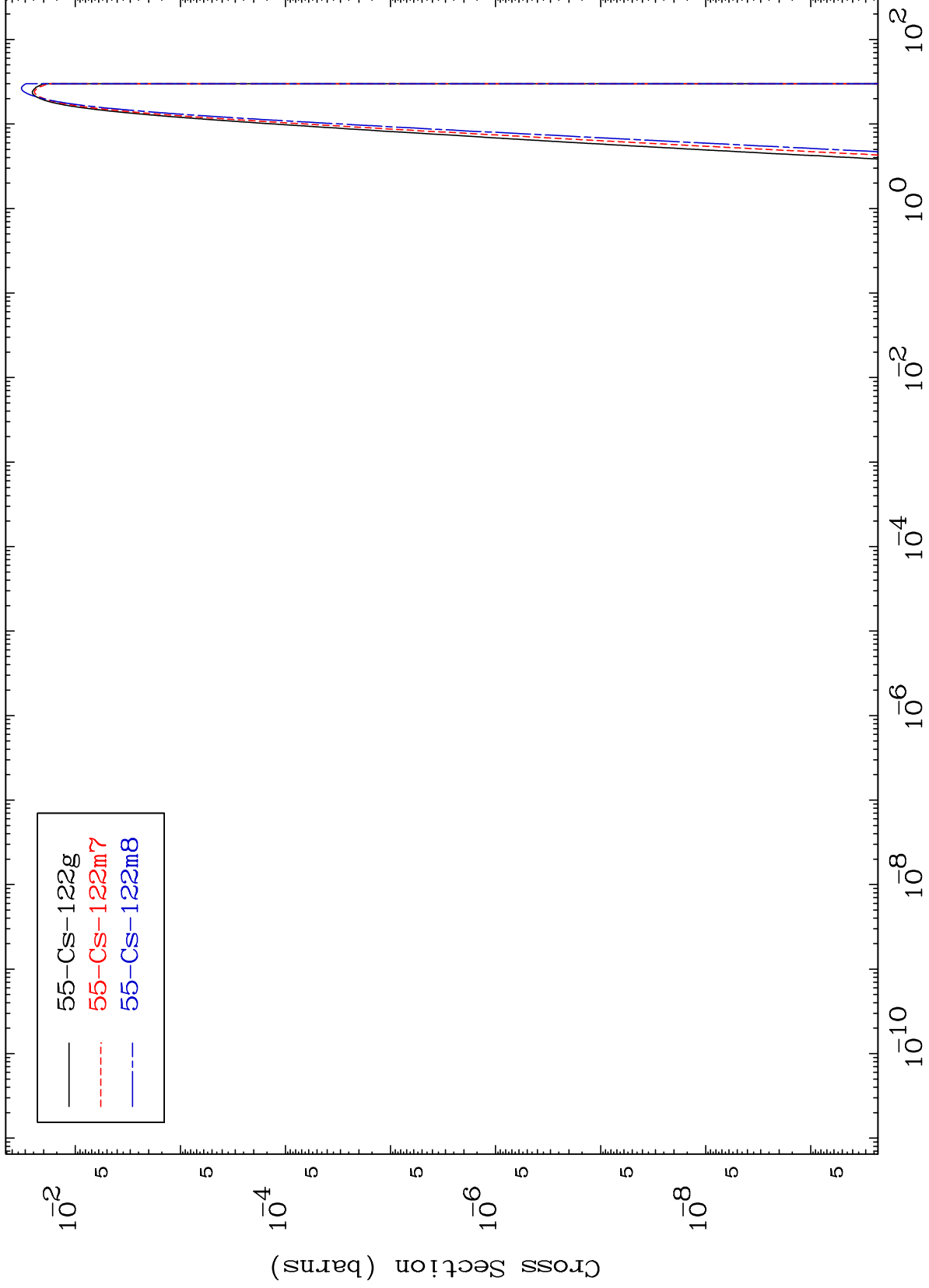


MAT 5795

(n,p)  $\alpha$

58-Ce-126

Radionuclide Production Cross Section



84

Incident Energy (MeV)

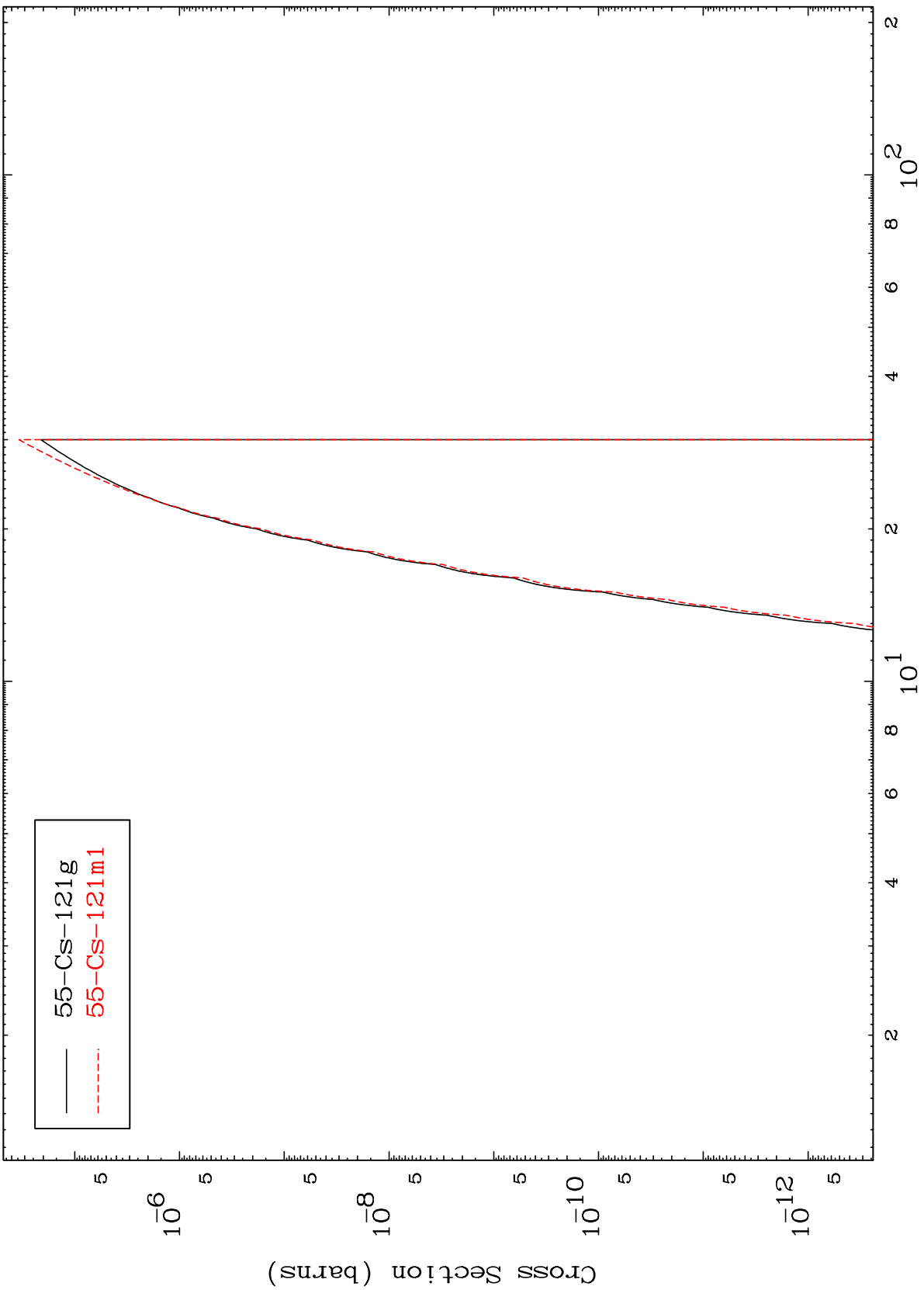
58-Ce-126

MAT 5795

(n,d)  $\alpha$

58-Ce-126

Radionuclide Production Cross Section



85

Incident Energy (MeV)

58-Ce-126