

Program EVALPLOT  
(Version 2021-1)

by

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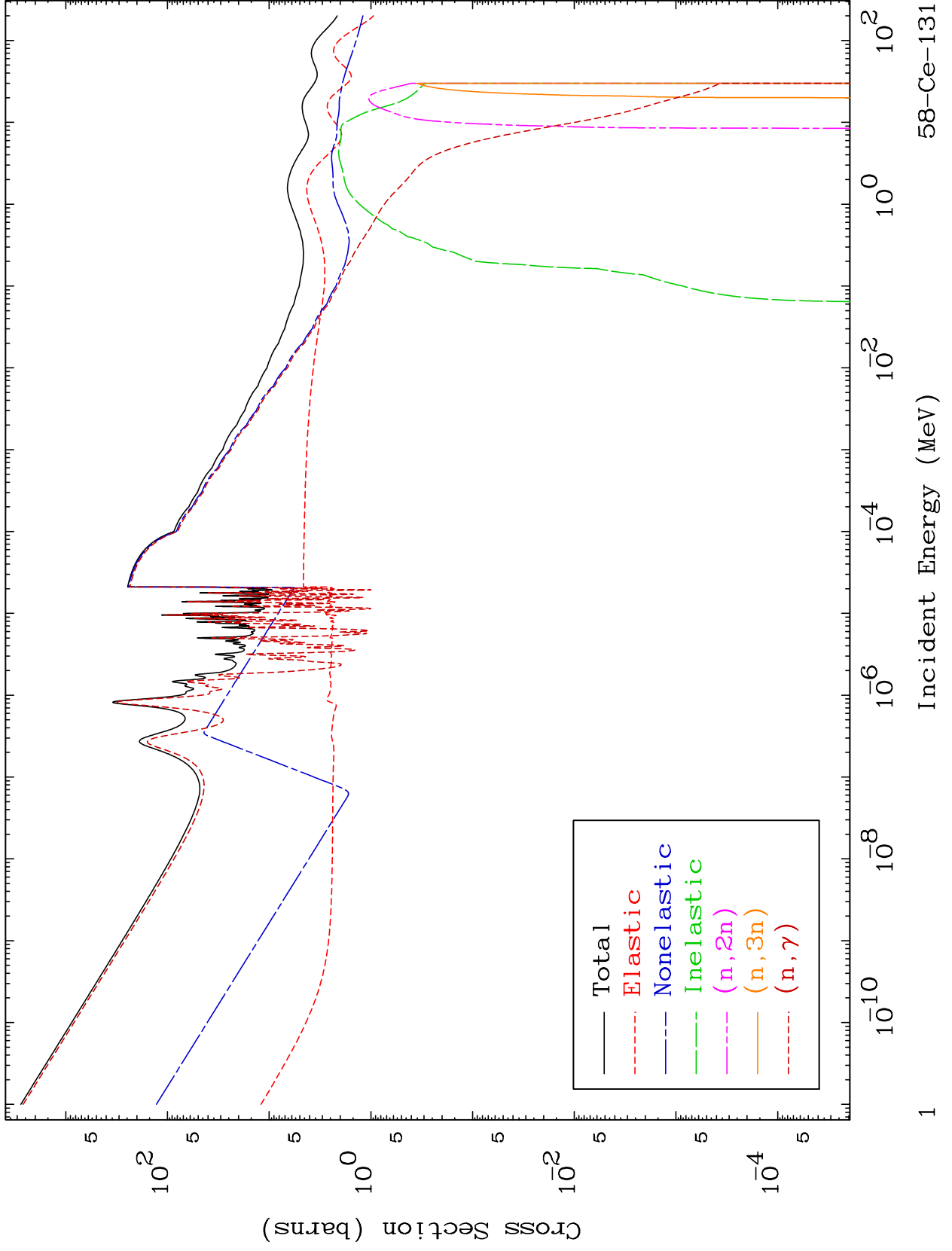
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Press Mouse Button to Start

MAT 5810

Neutron Major  
293 Kelvin Cross Sections

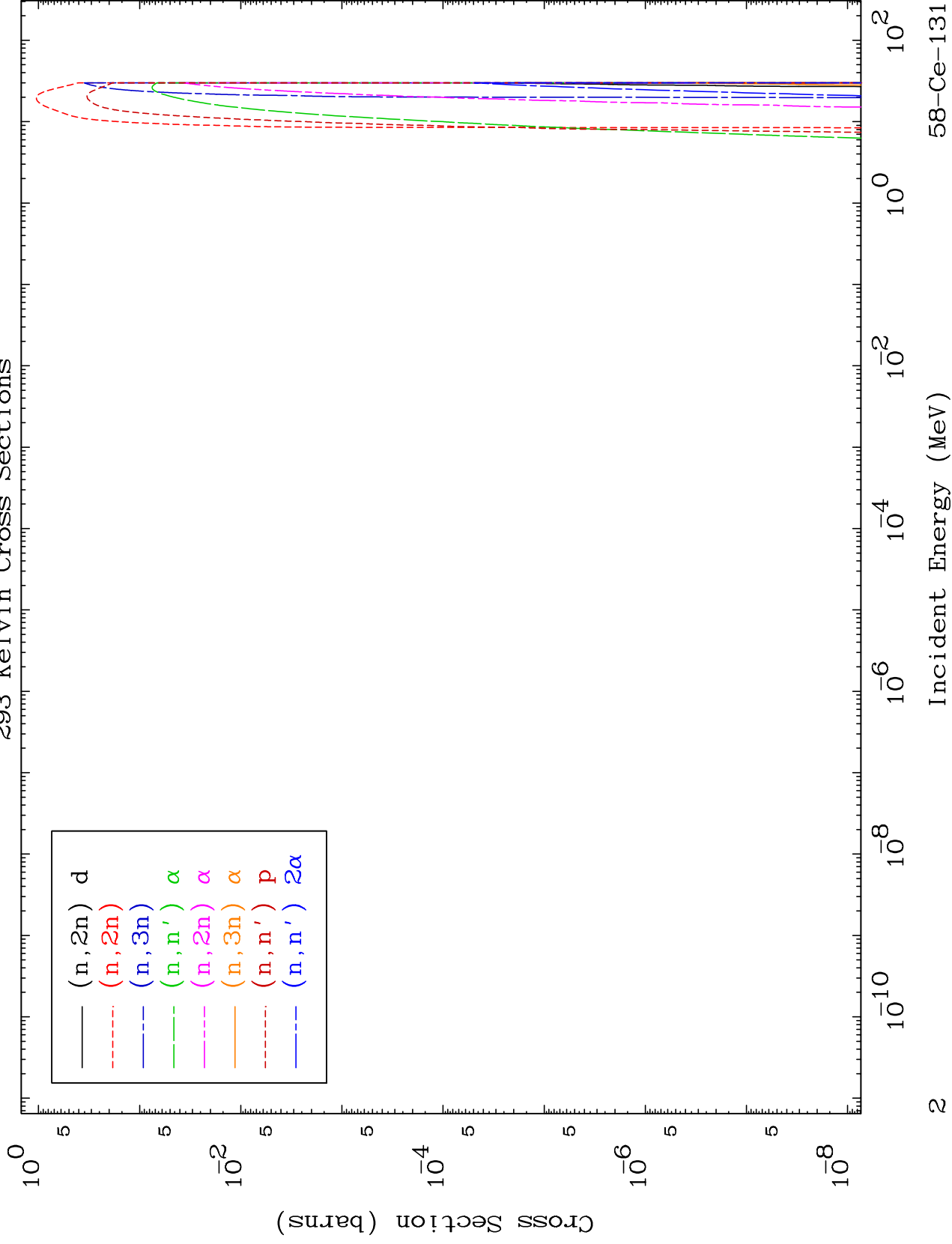
58-Ce-131



MAT 5810

Neutron Absorption  
293 Kelvin Cross Sections

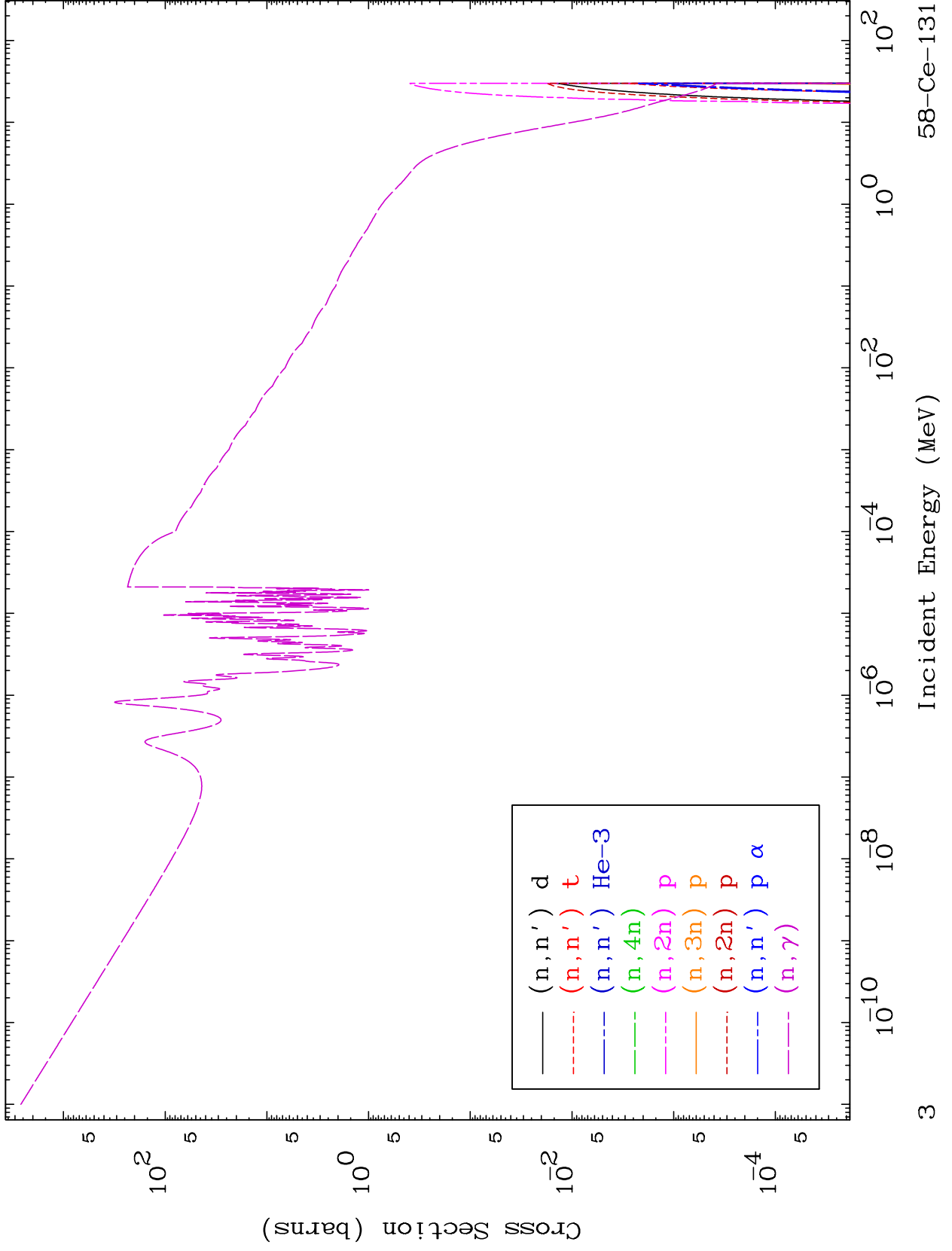
58-Ce-131



MAT 5810

Neutron Absorption  
293 Kelvin Cross Sections

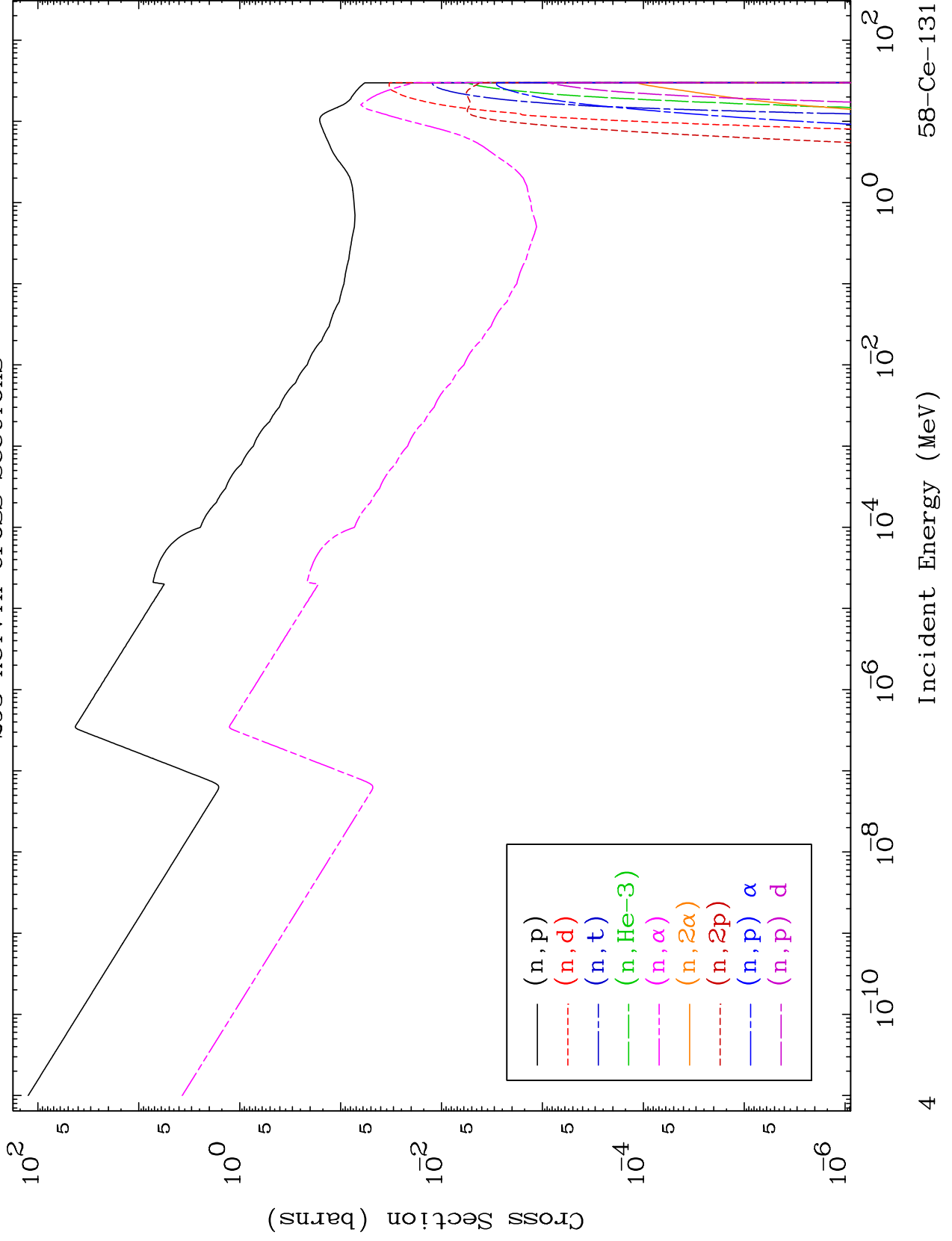
58-Ce-131

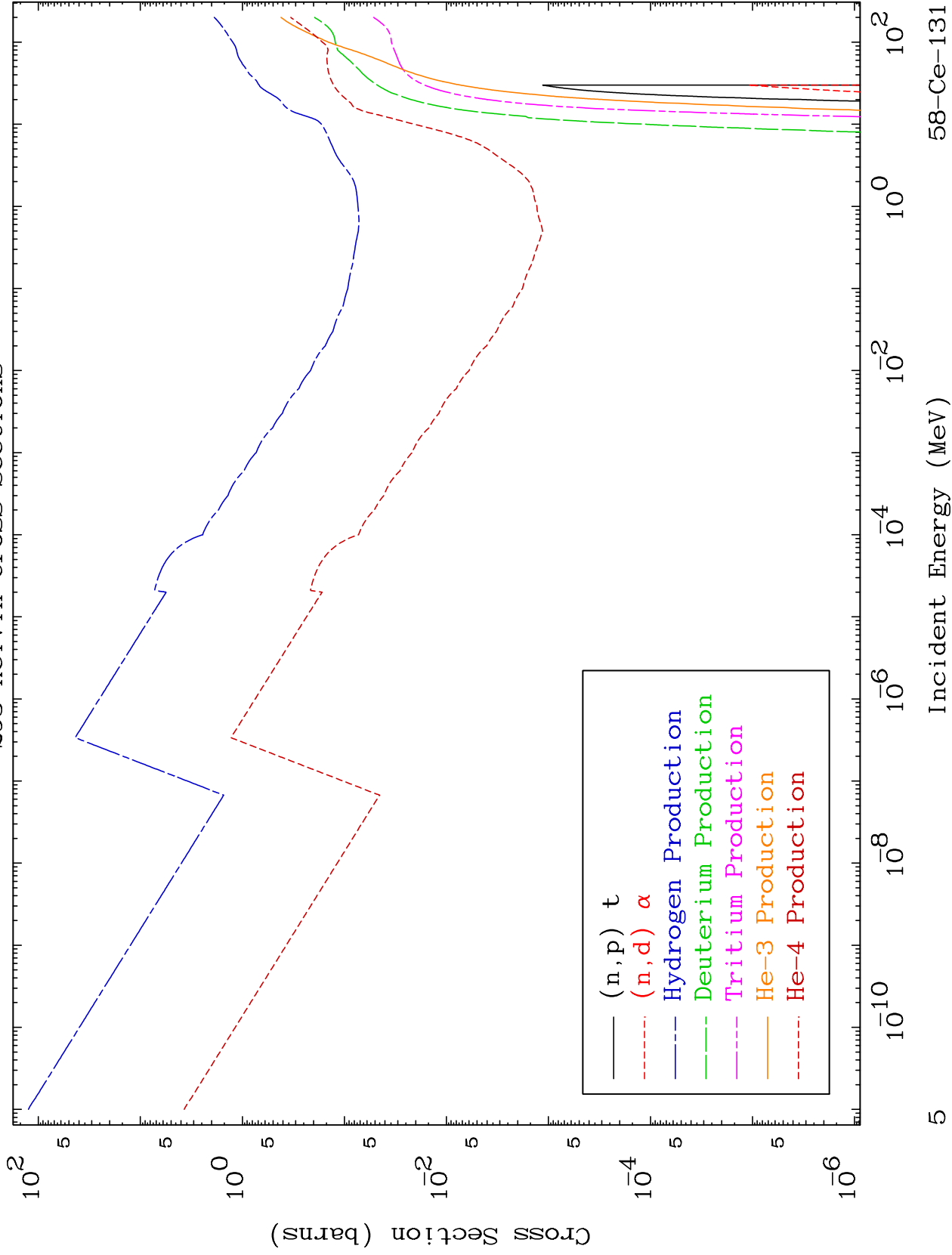


MAT 5810

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-131

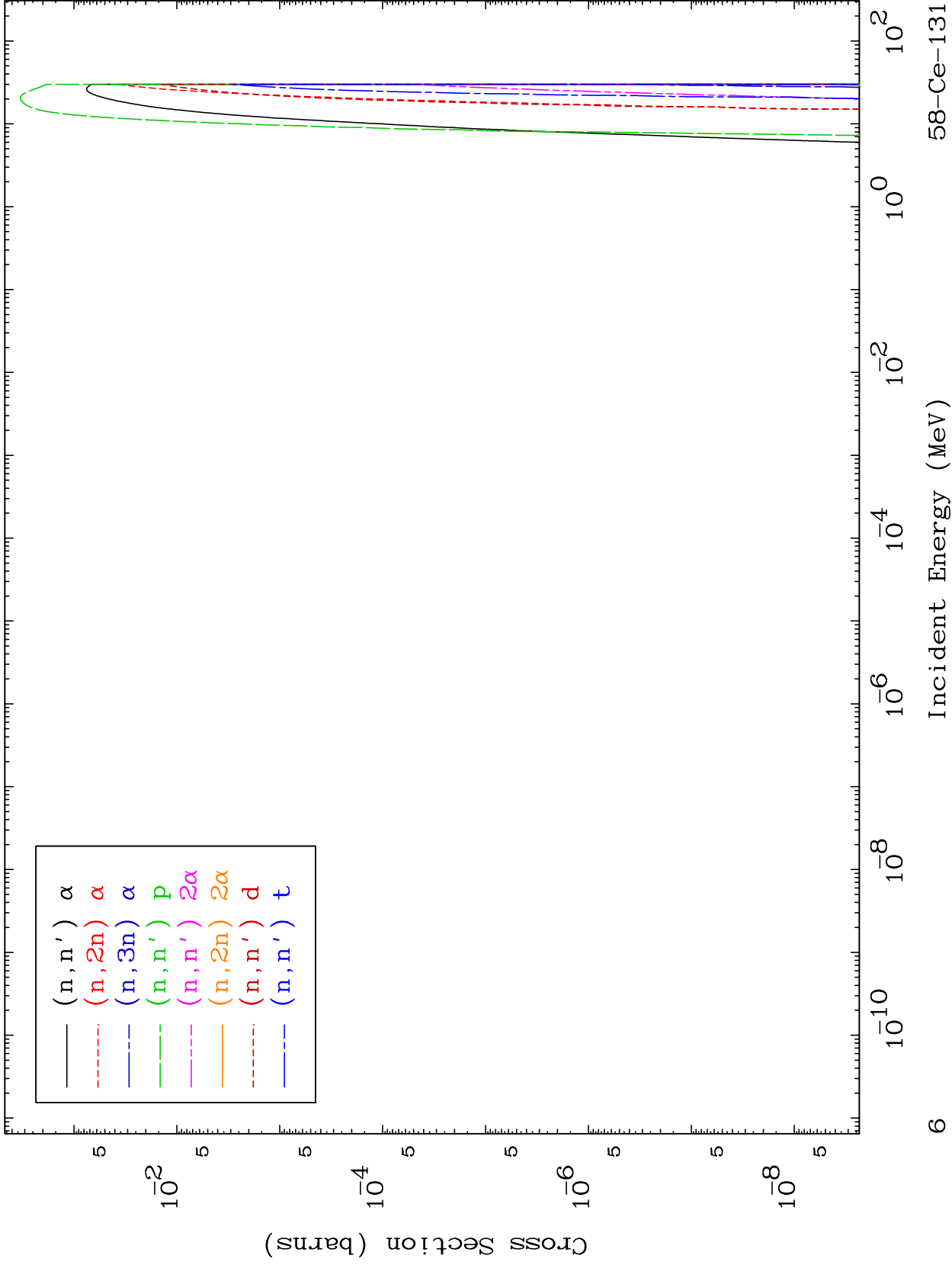




MAT 5810

Charged Particle  
293 Kelvin Cross Sections

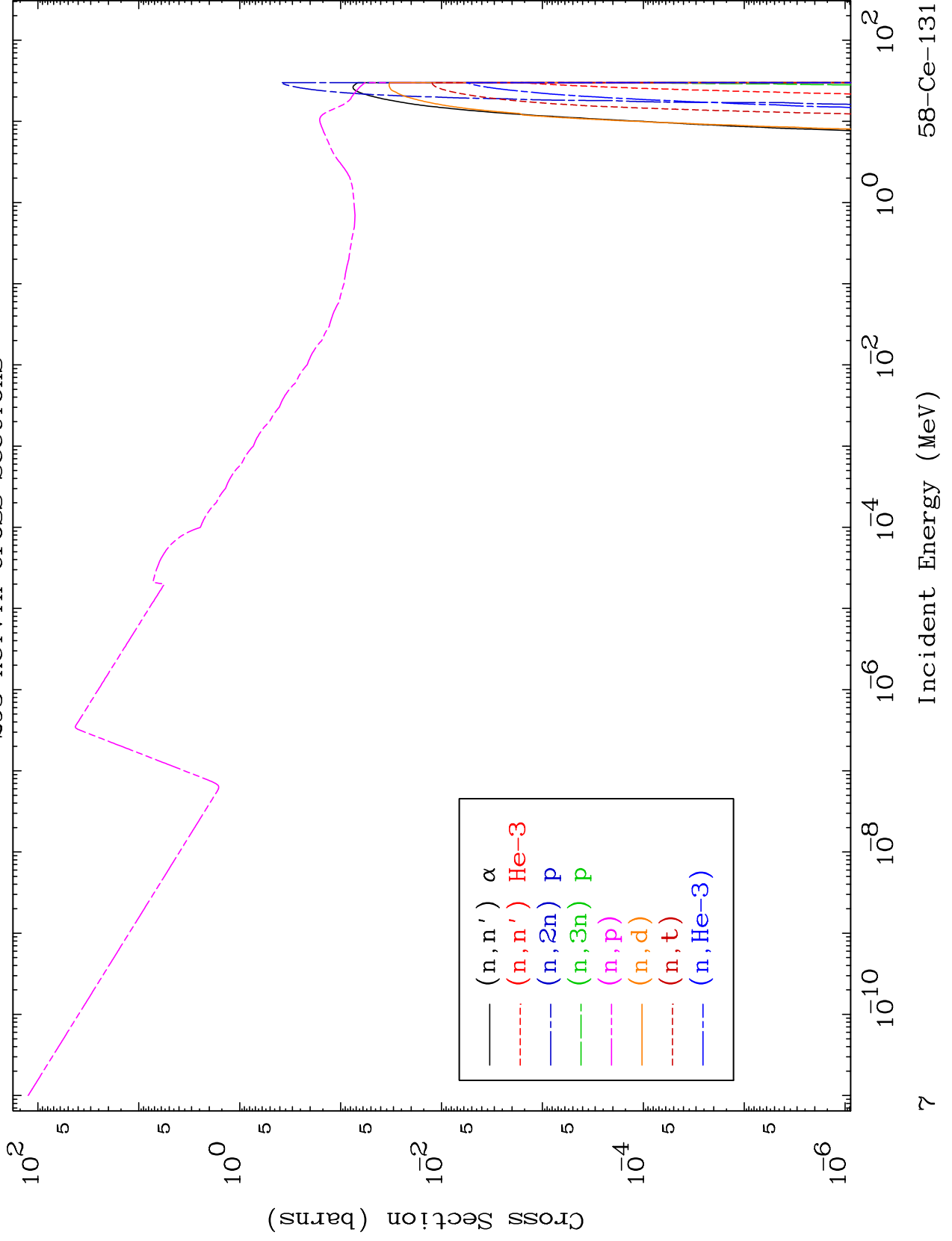
58-Ce-131



MAT 5810

Charged Particle  
293 Kelvin Cross Sections

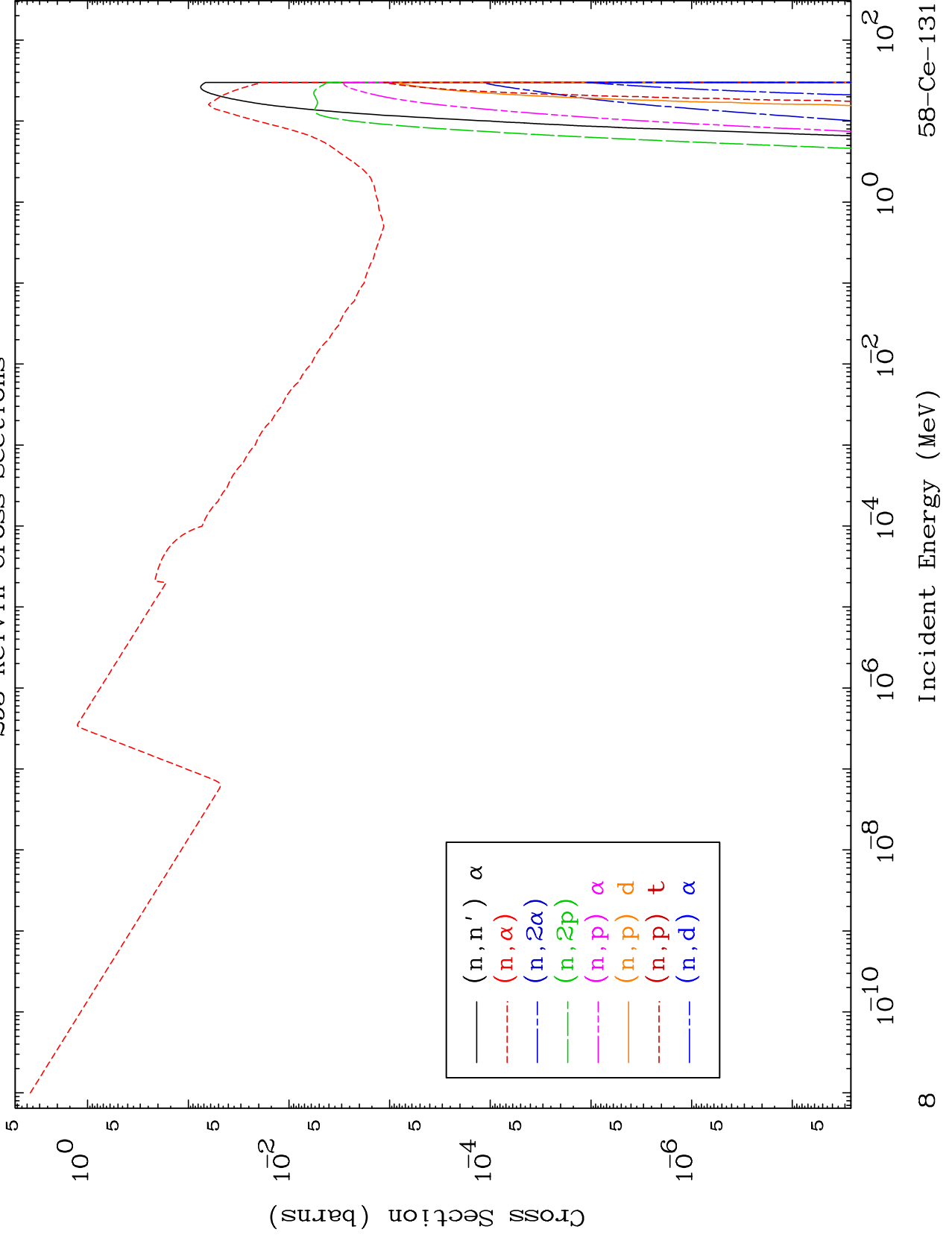
58-Ce-131

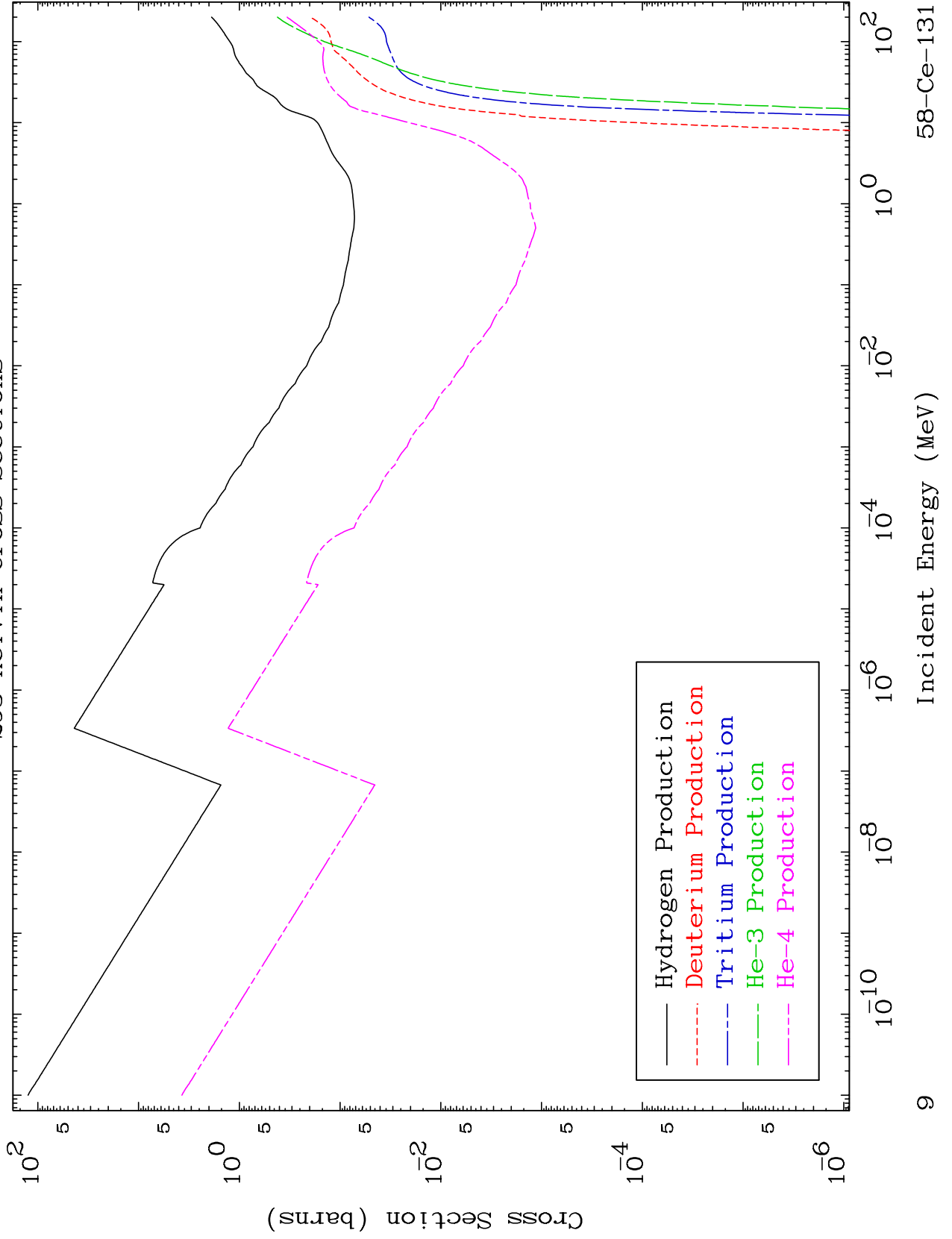


MAT 5810

Charged Particle  
293 Kelvin Cross Sections

58-Ce-131

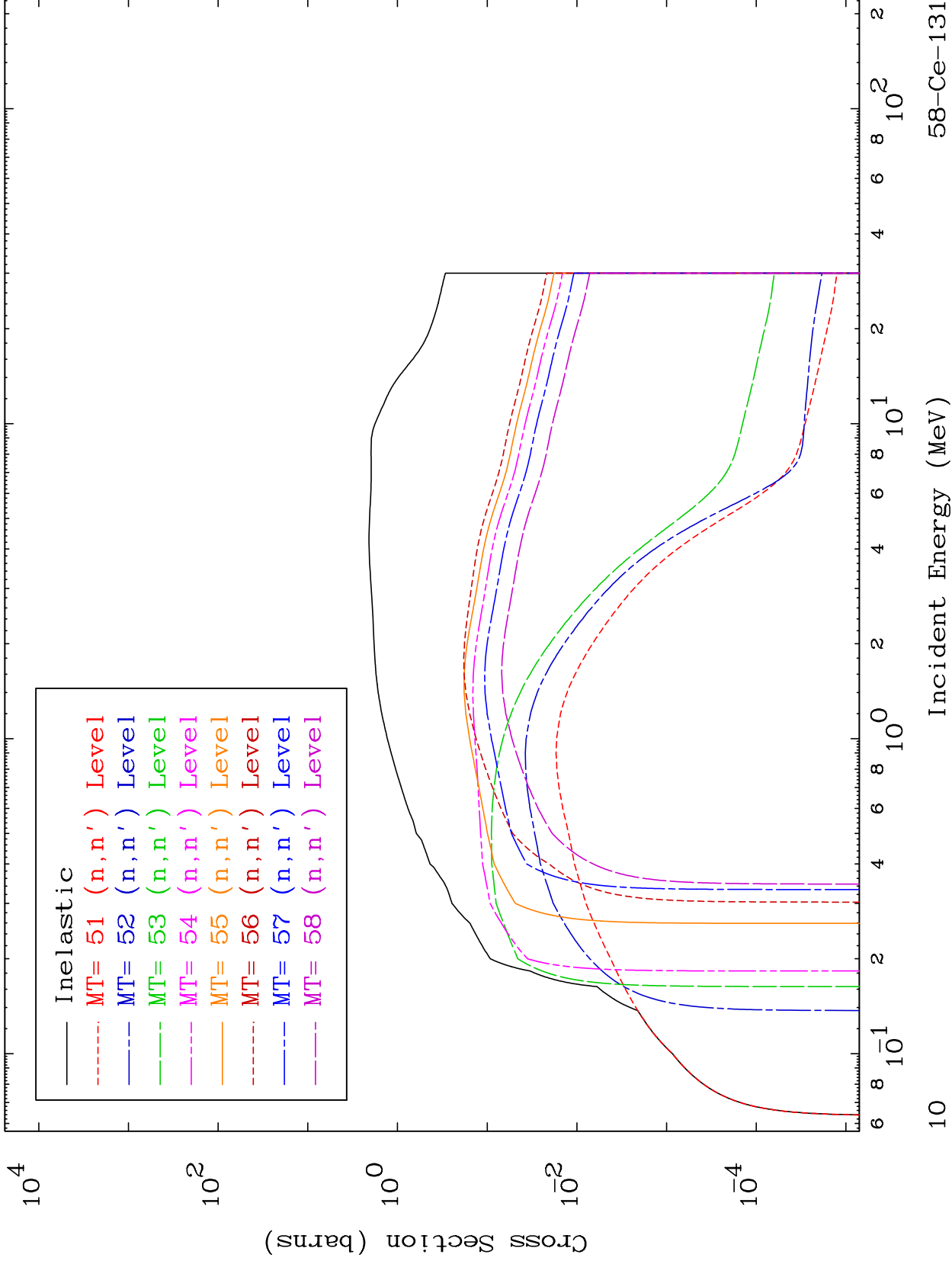




MAT 5810

(n,n') Levels  
293 Kelvin Cross Sections

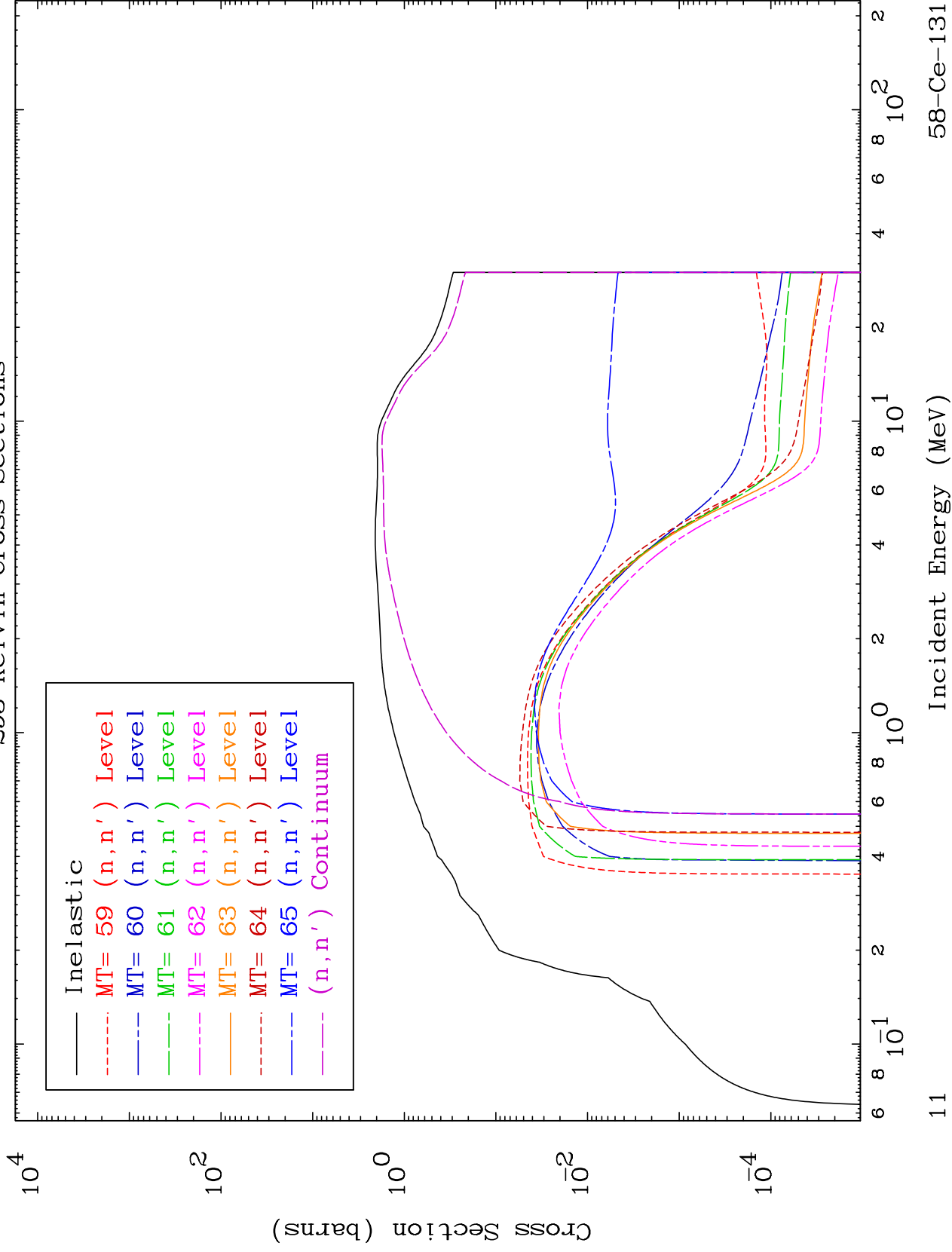
58-Ce-131



MAT 5810

(n,n') Levels  
293 Kelvin Cross Sections

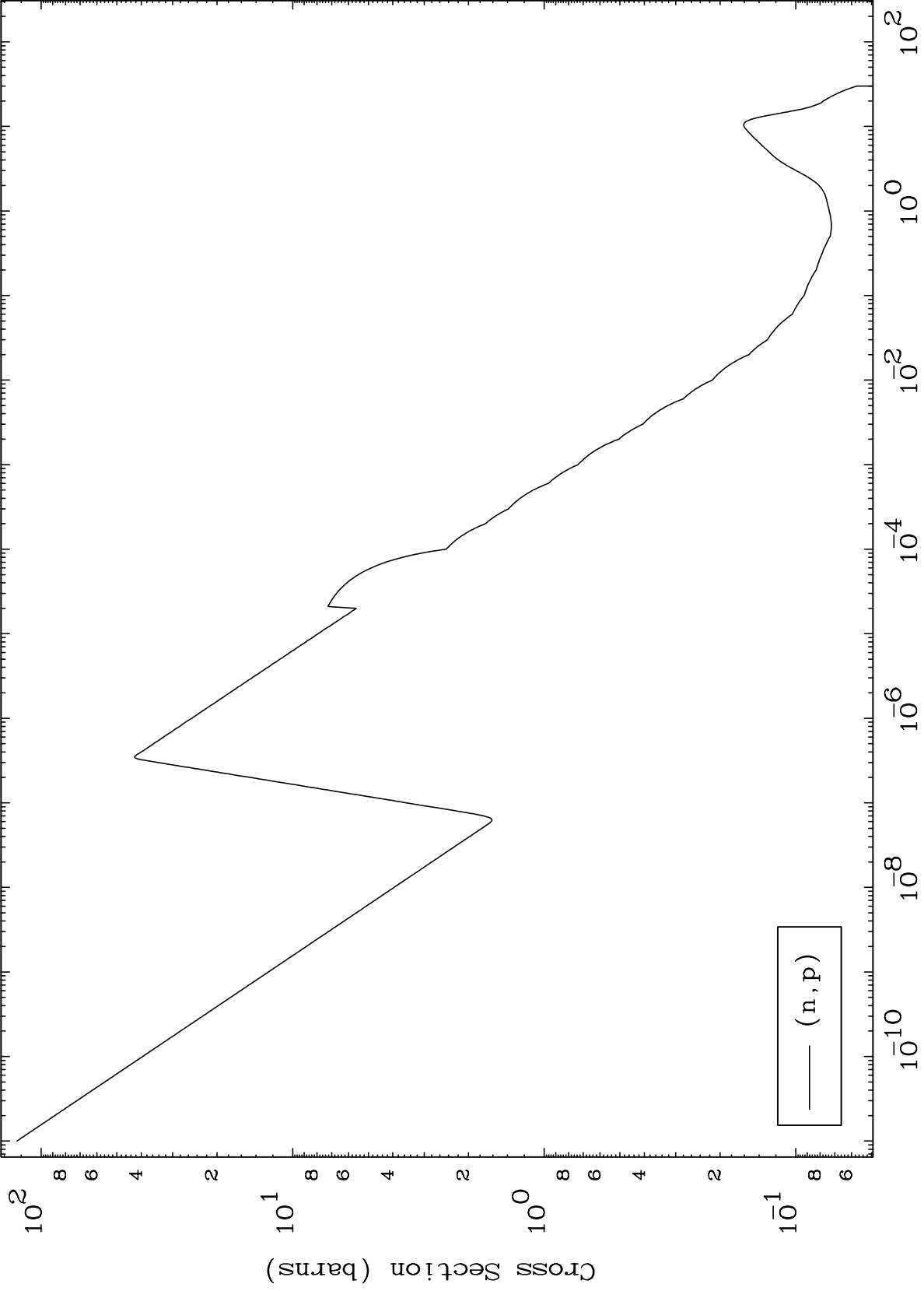
58-Ce-131



MAT 5810

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-131



12

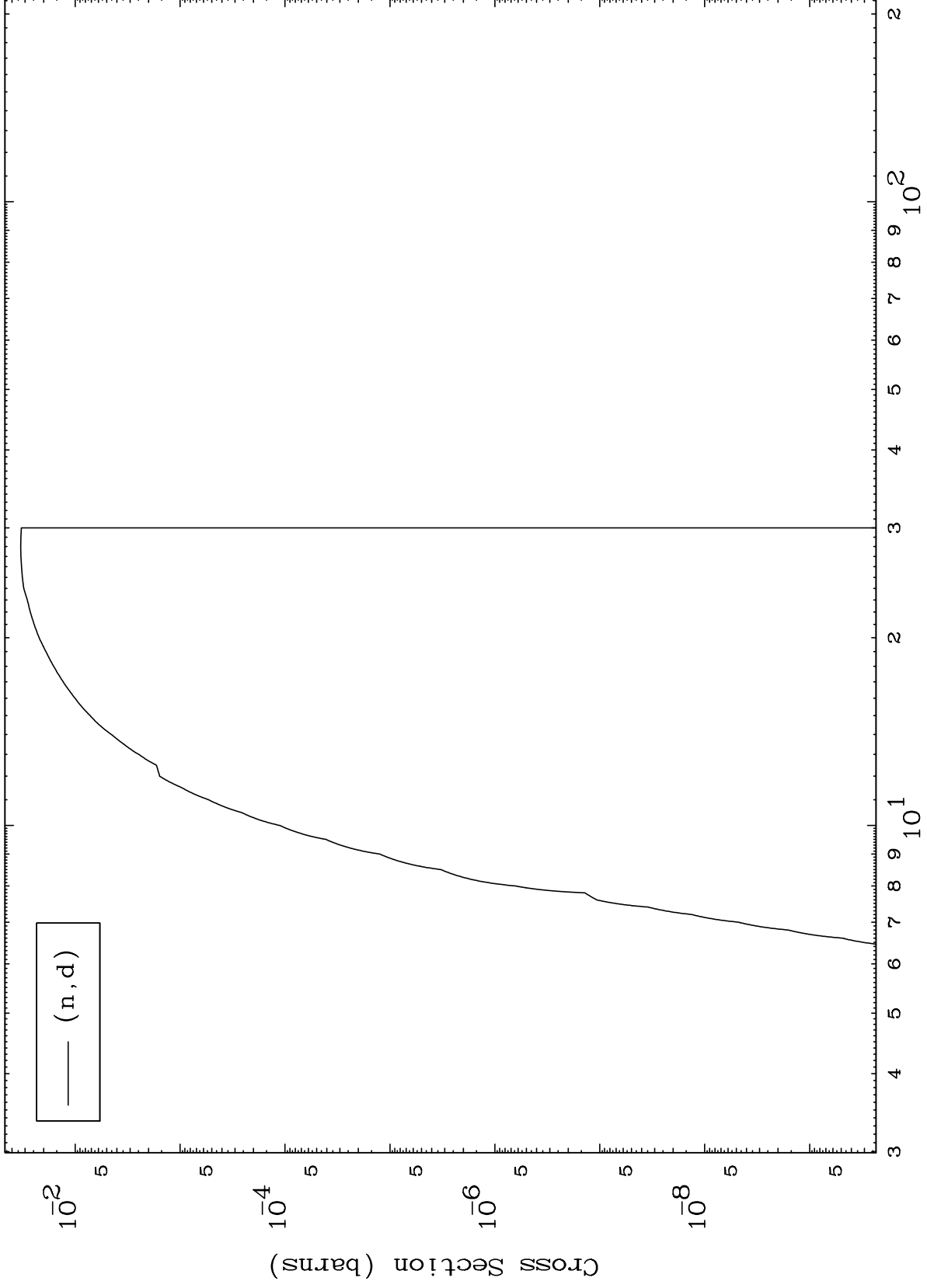
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-131



13

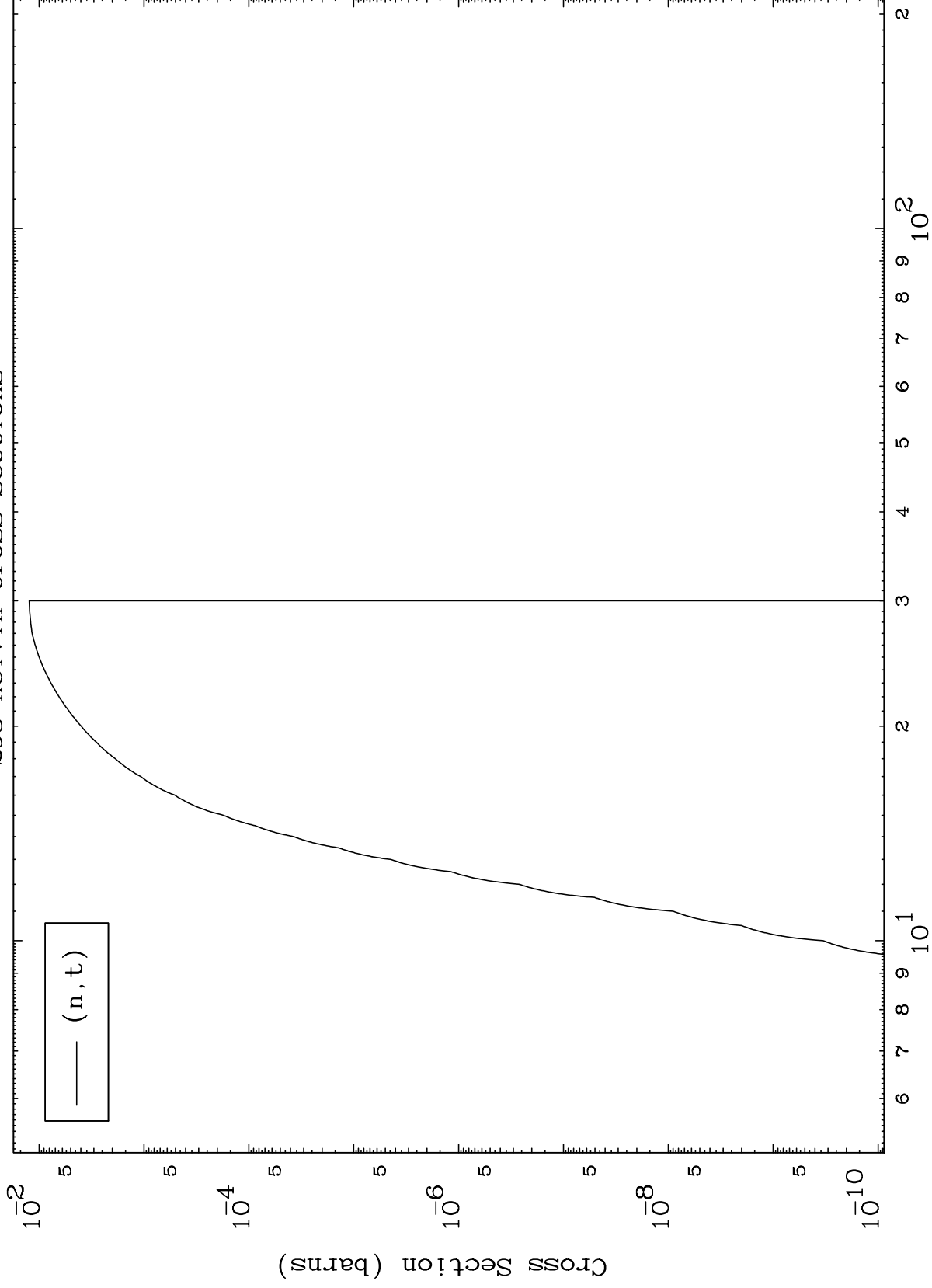
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-131



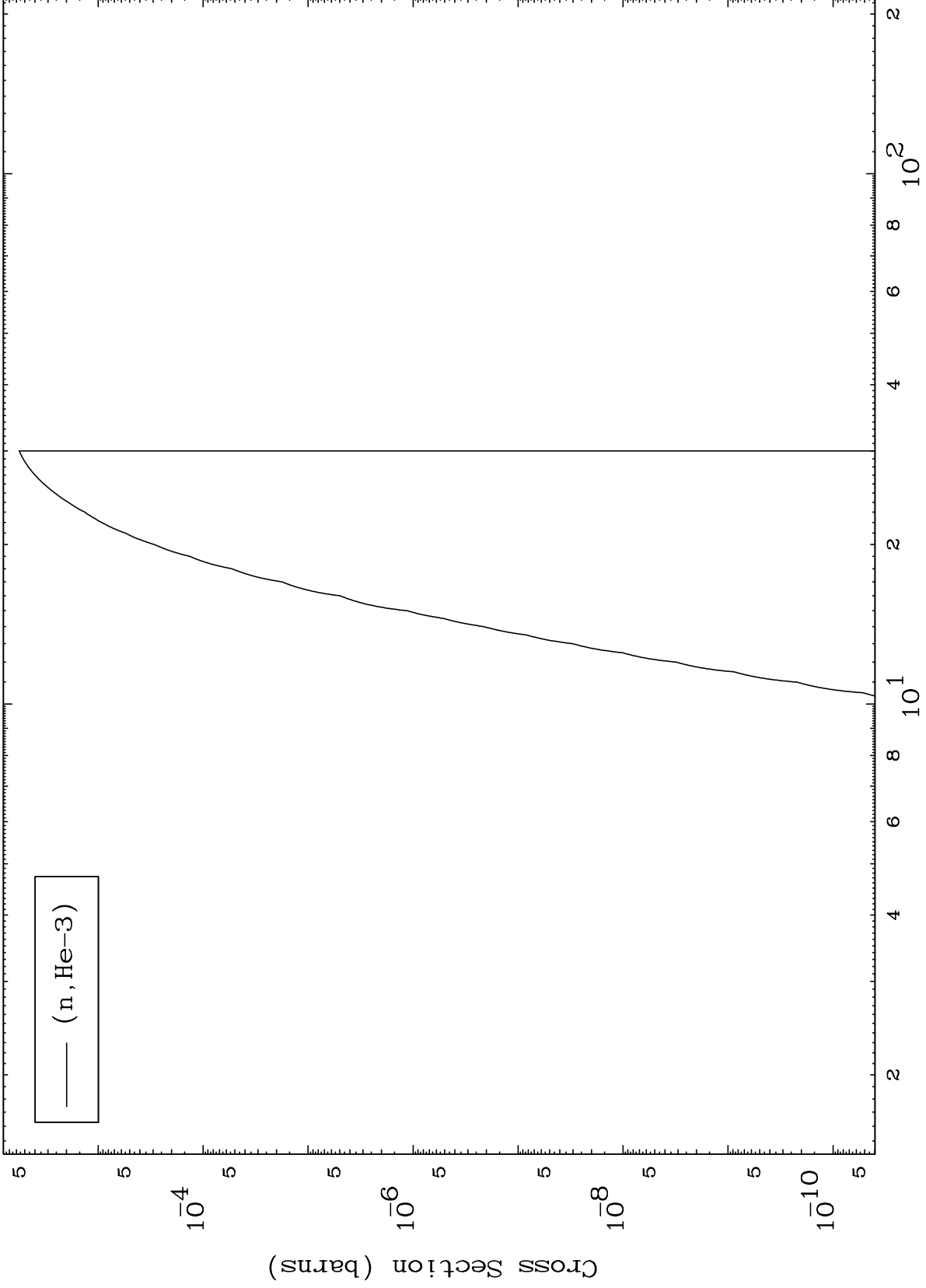
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58-Ce-131

MAT 5810

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-131



15

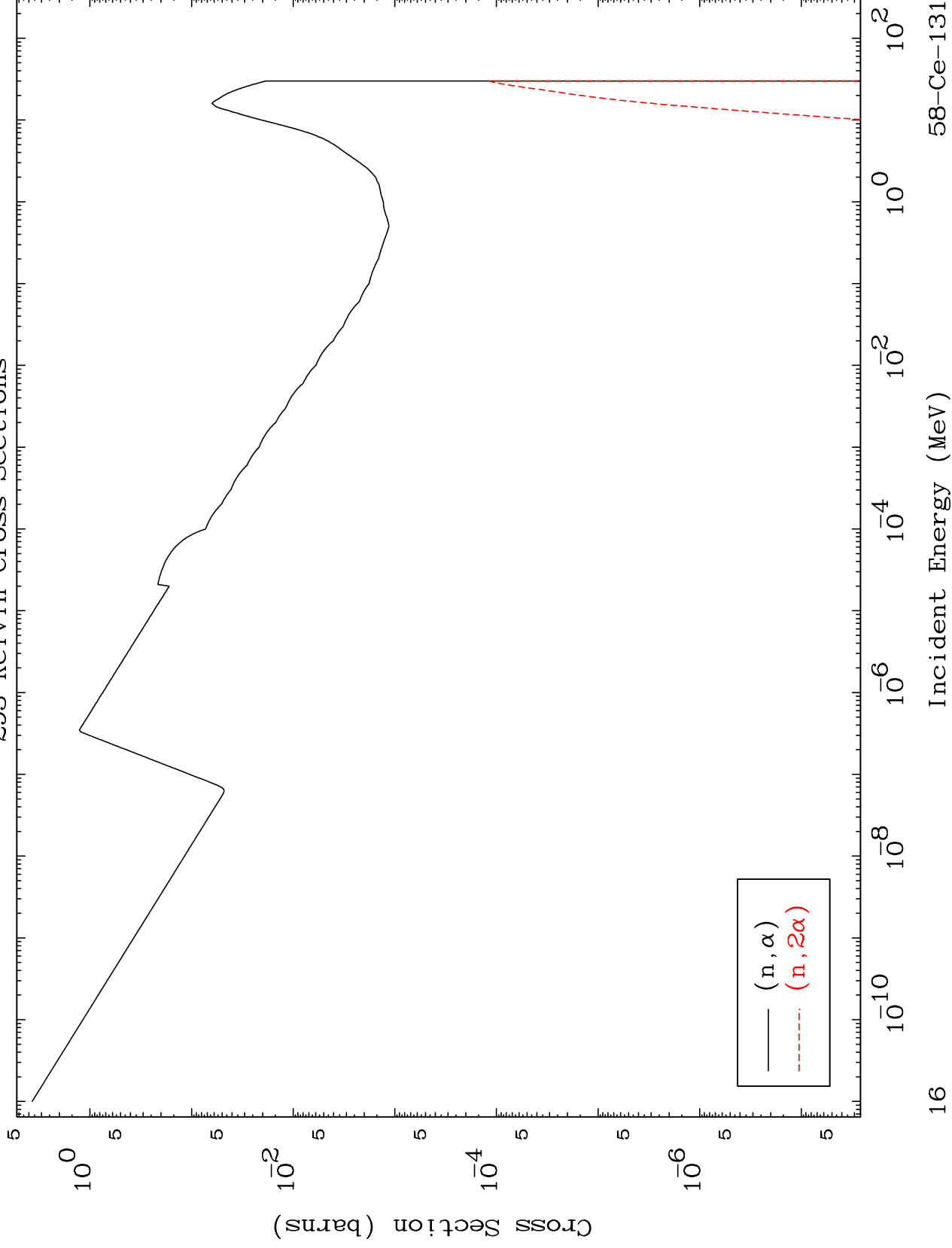
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

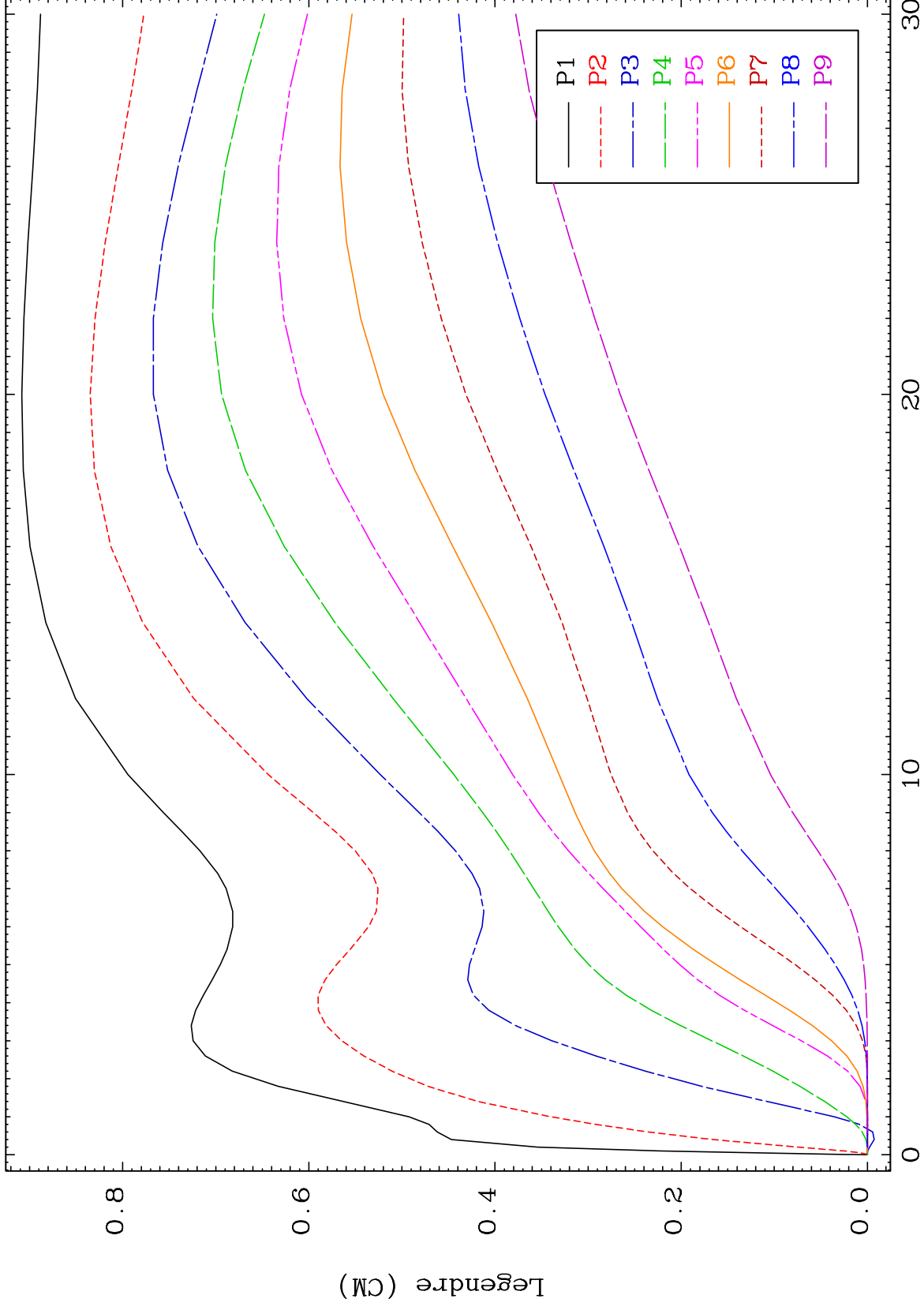
58-Ce-131



MAT 5810

Elastic Legendre Coefficients

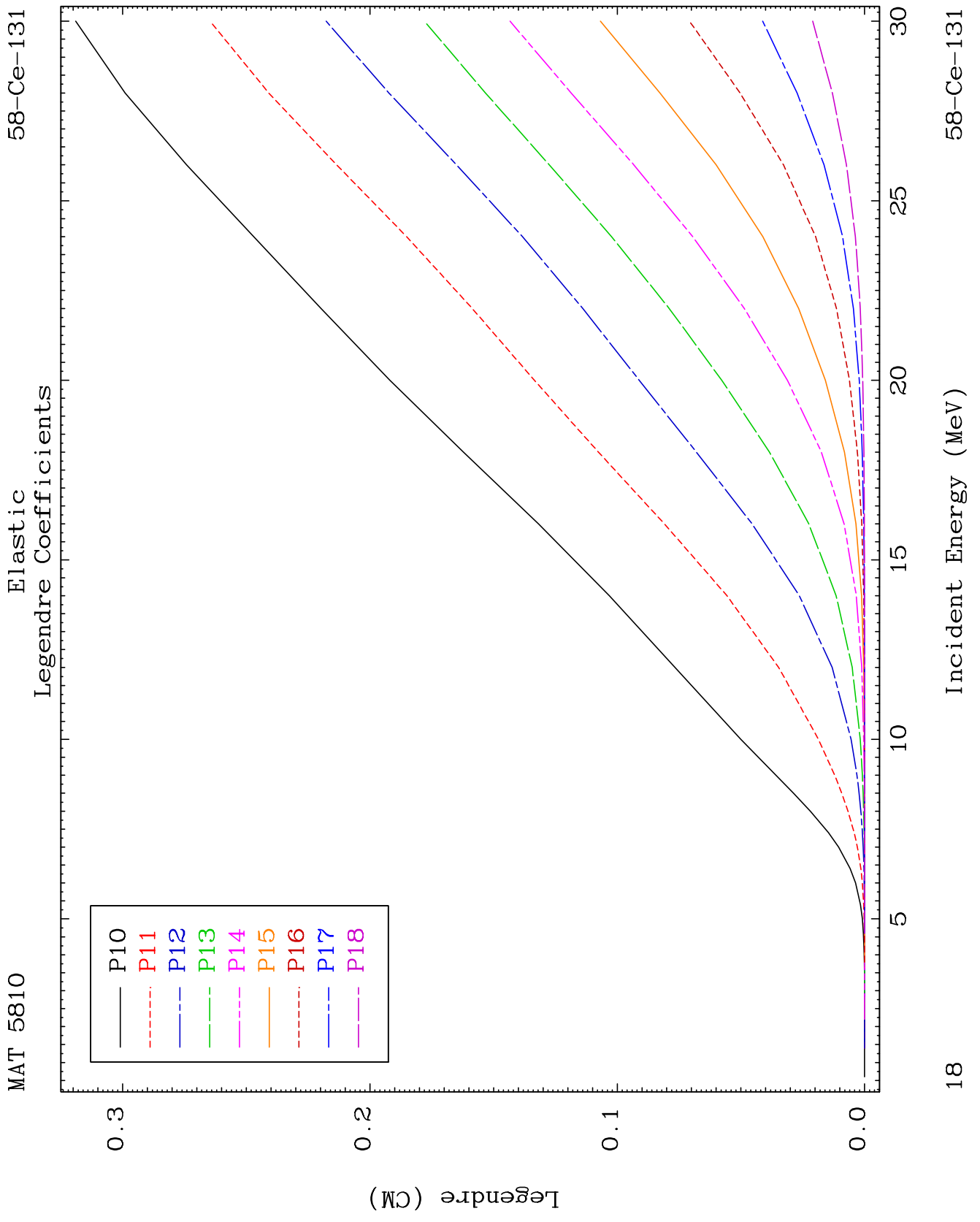
58-Ce-131



17

Incident Energy (MeV)

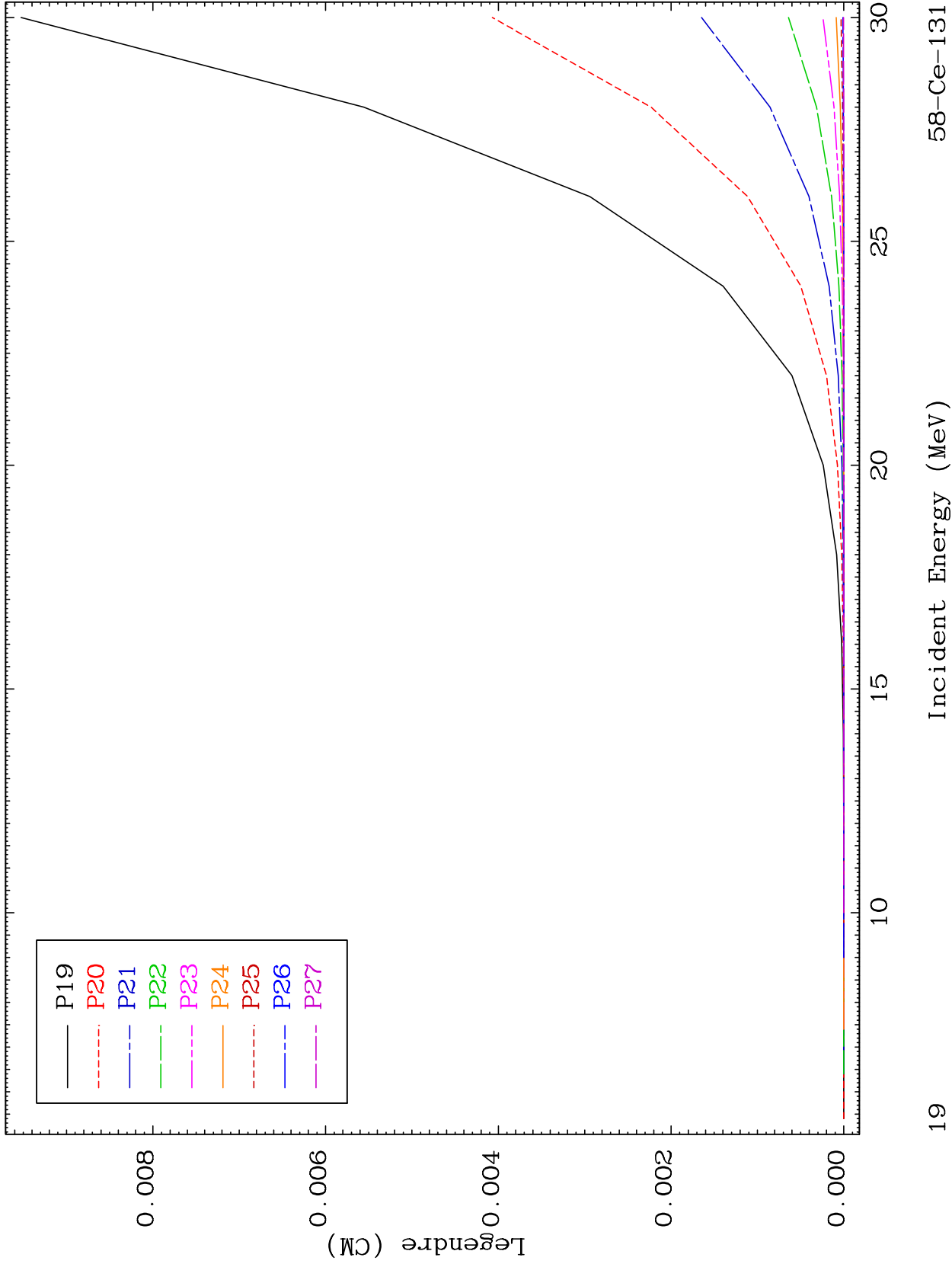
58-Ce-131



MAT 5810

### Elastic Legendre Coefficients

58-Ce-131



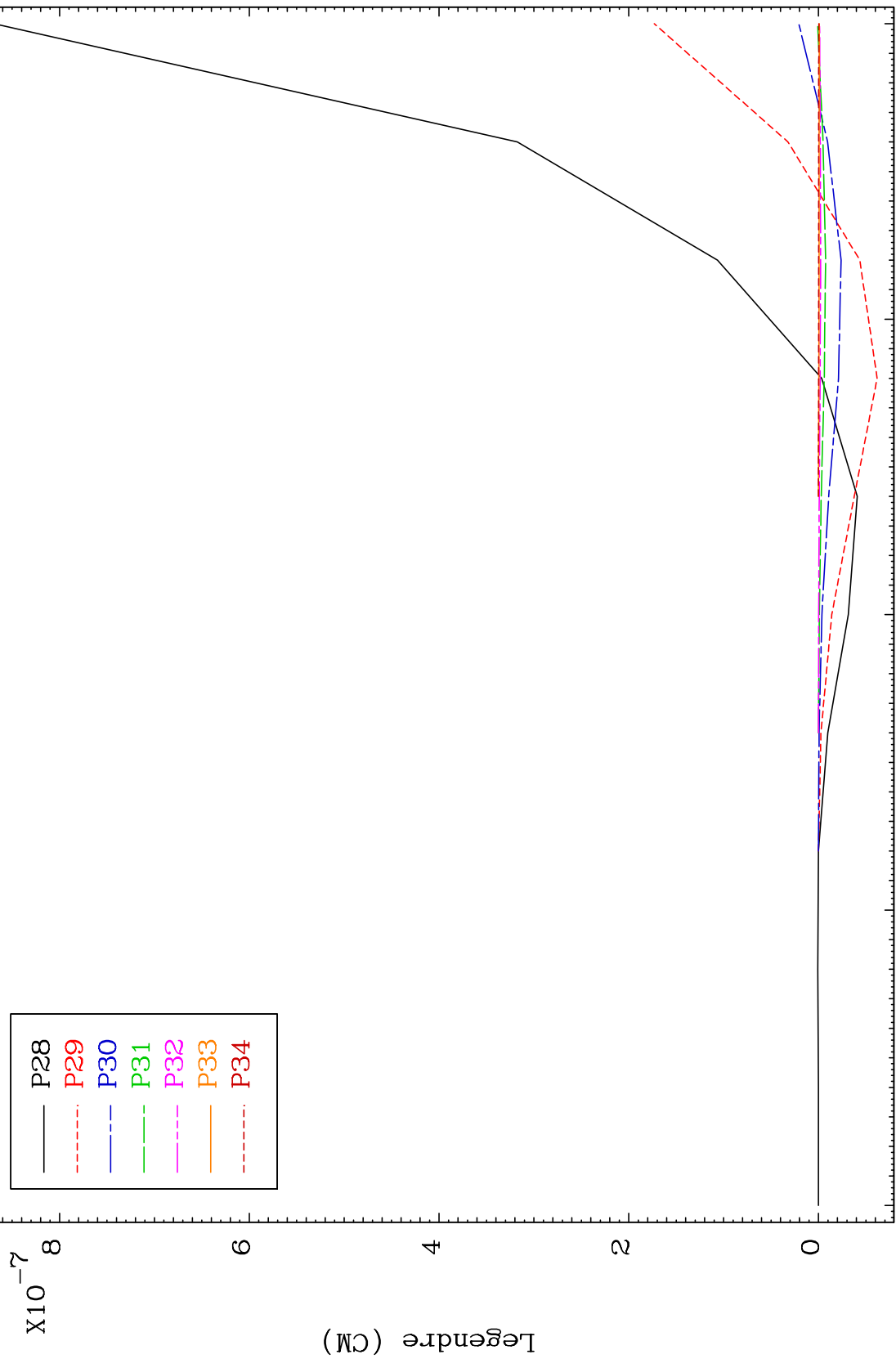
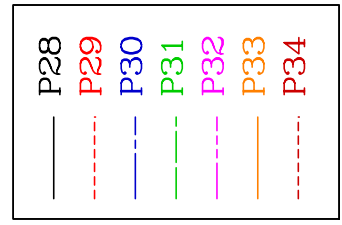
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58-Ce-131

MAT 5810

Elastic Legendre Coefficients

58-Ce-131



20

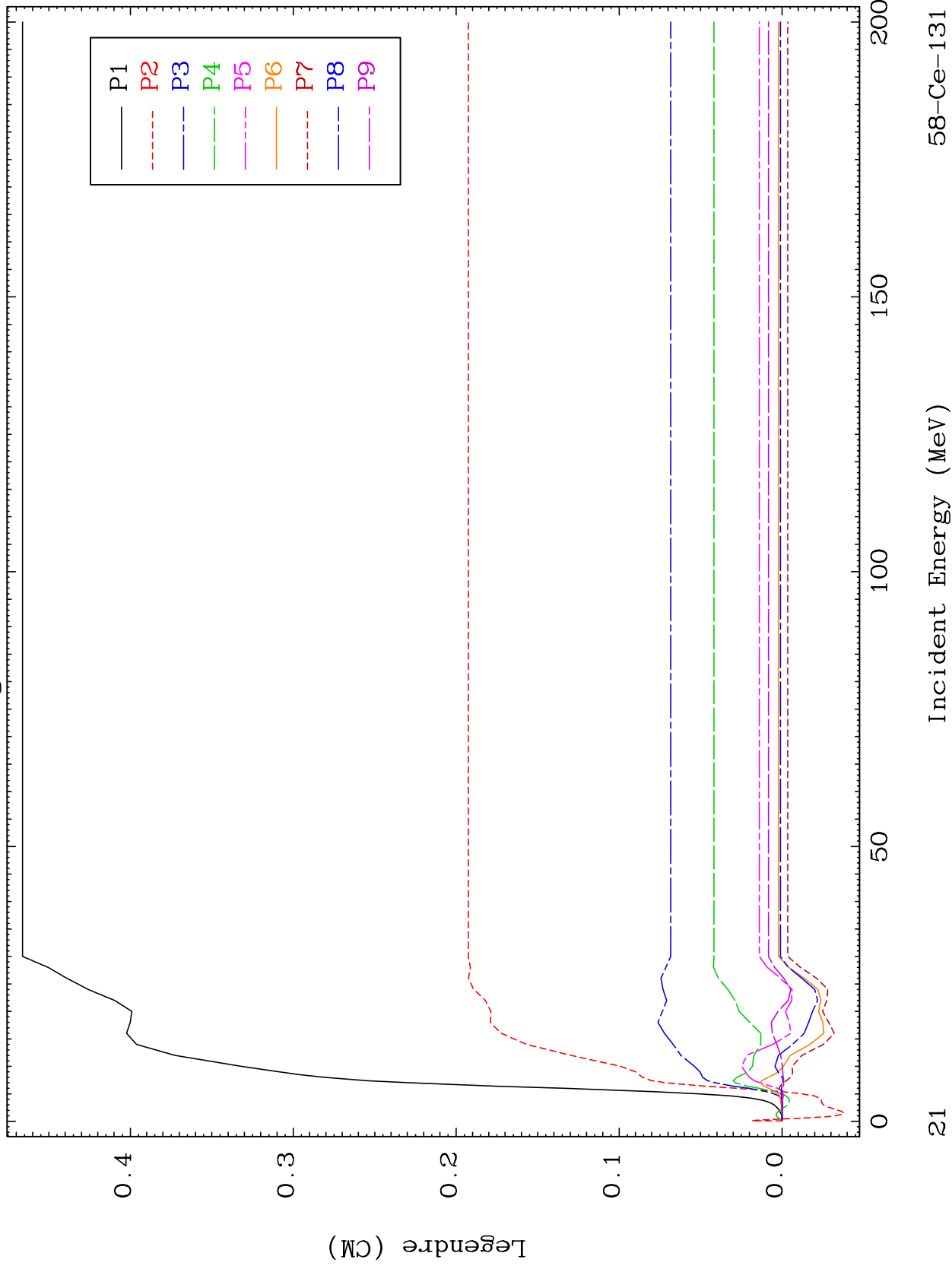
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

58-Ce-131

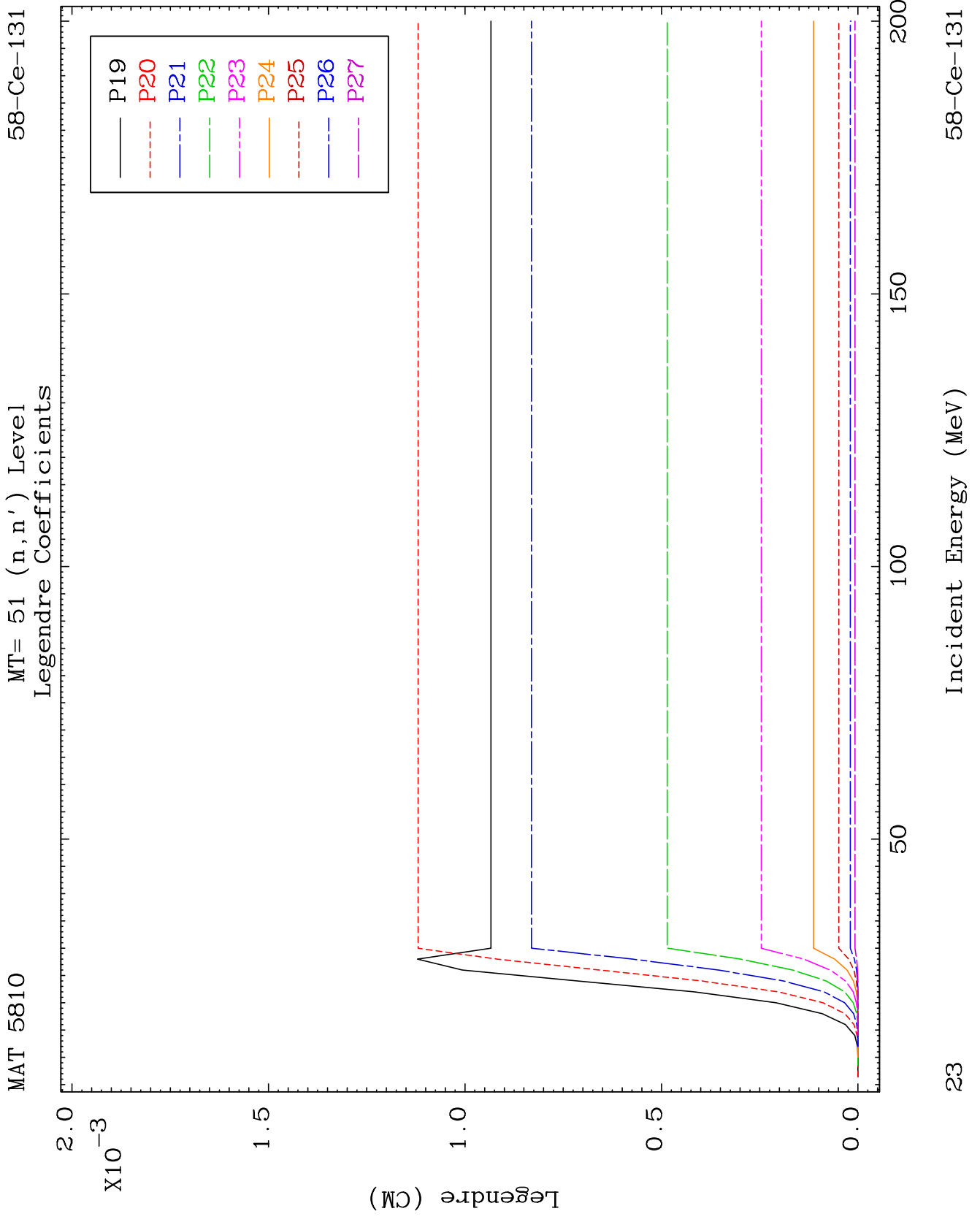


58-Ce-131

Incident Energy (MeV)

21

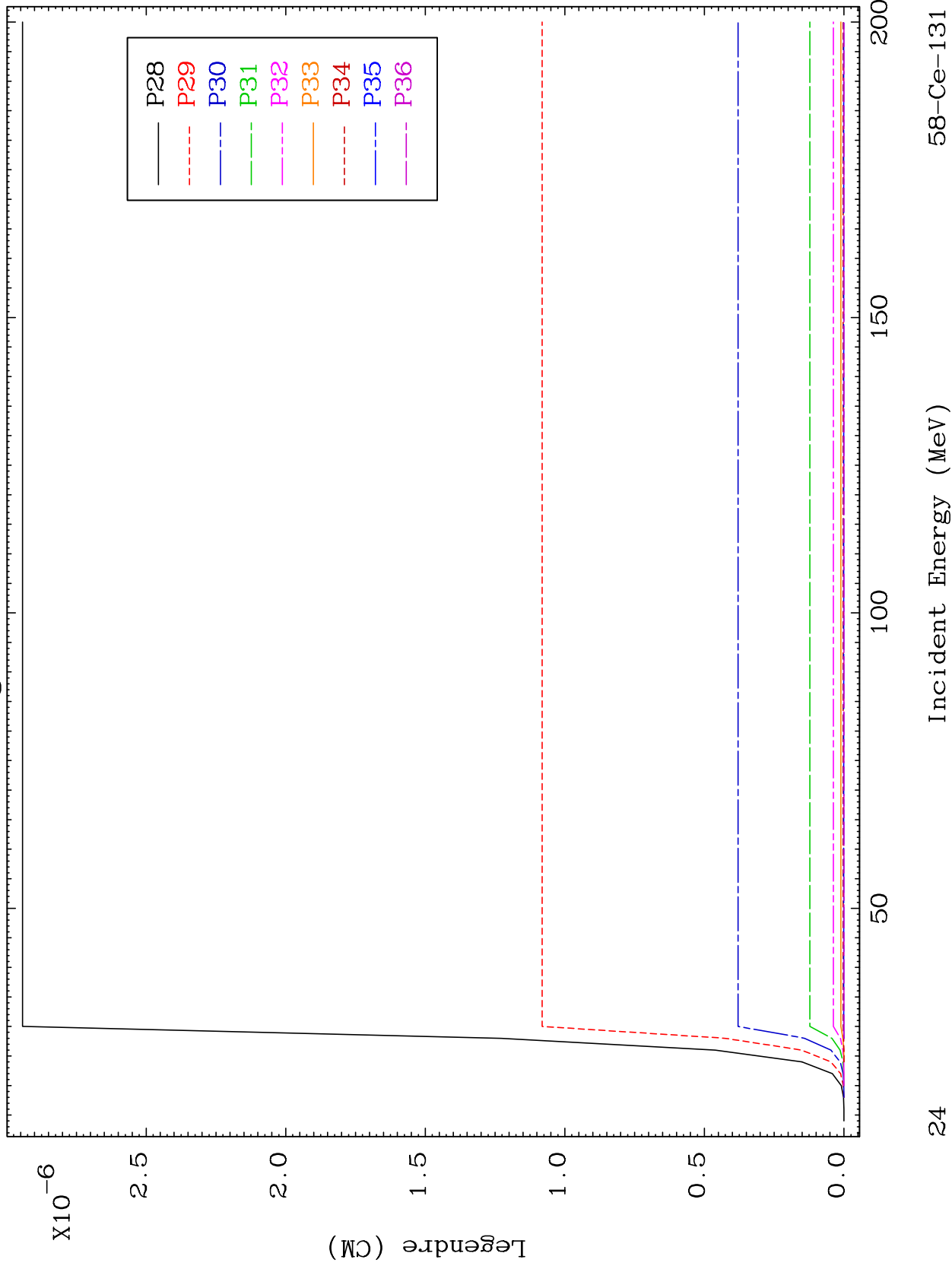




MAT 5810

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

58-Ce-131

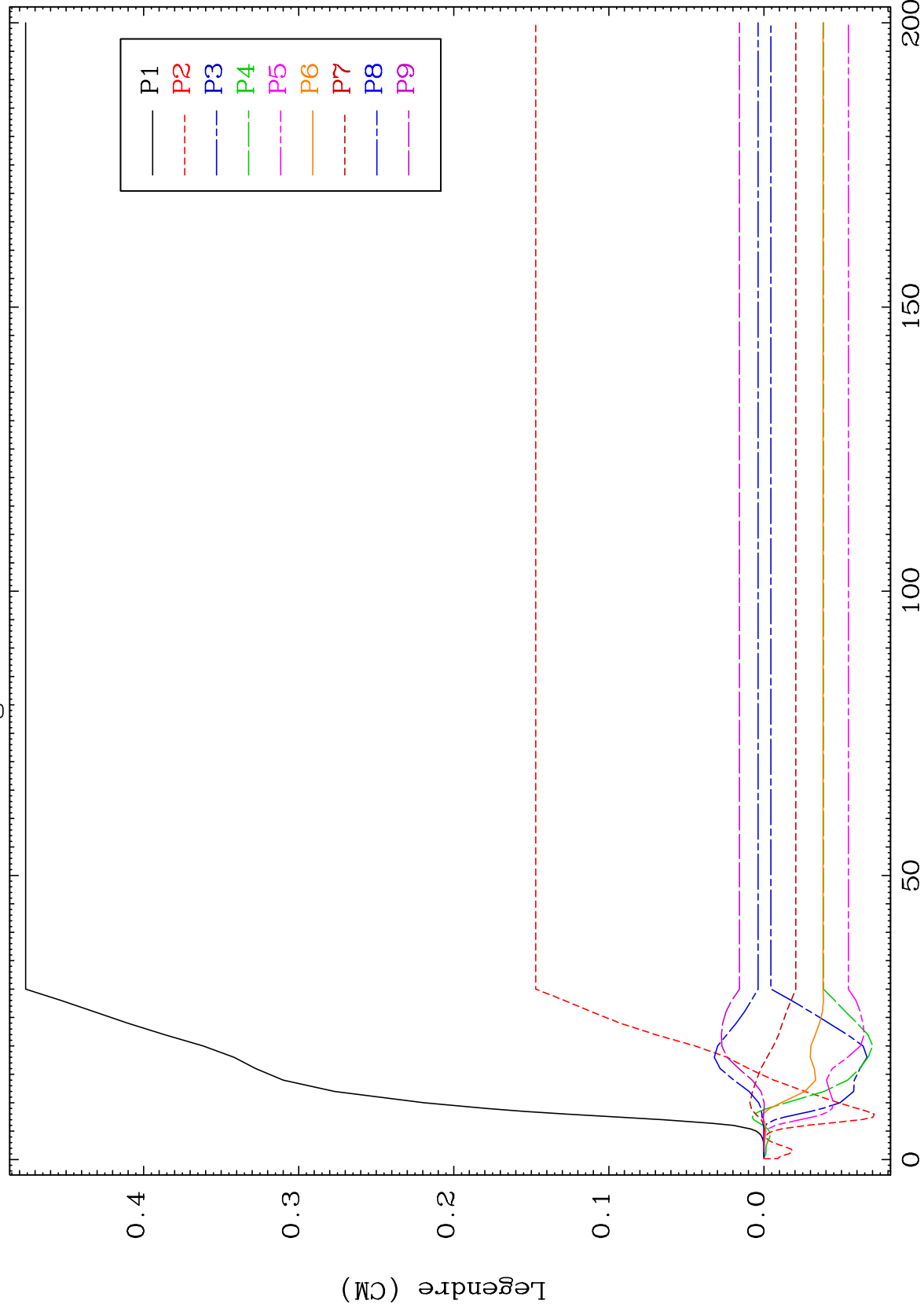


24

MAT 5810

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

58-Ce-131



58-Ce-131

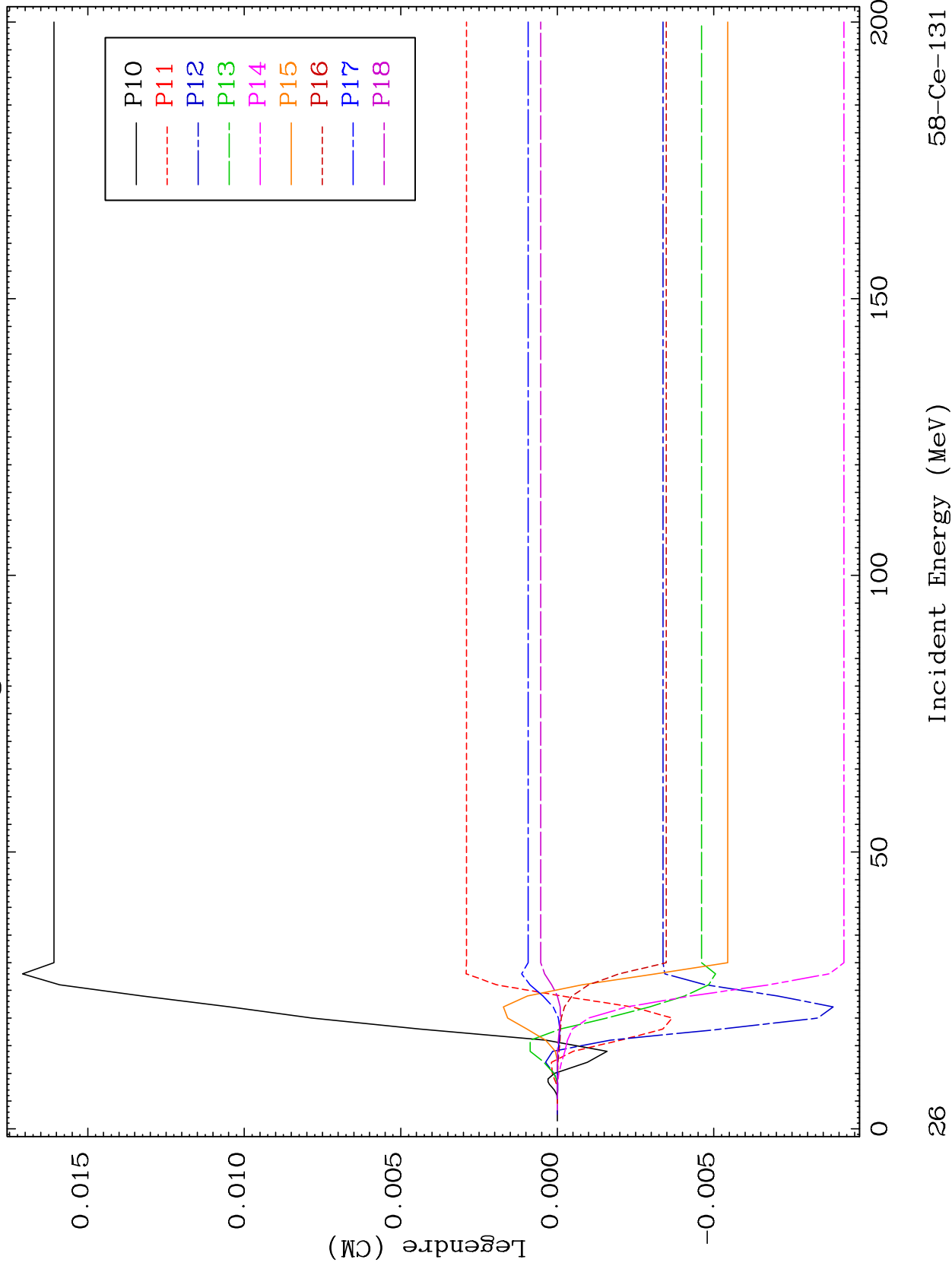
Incident Energy (MeV)

25

MAT 5810

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

58-Ce-131



26

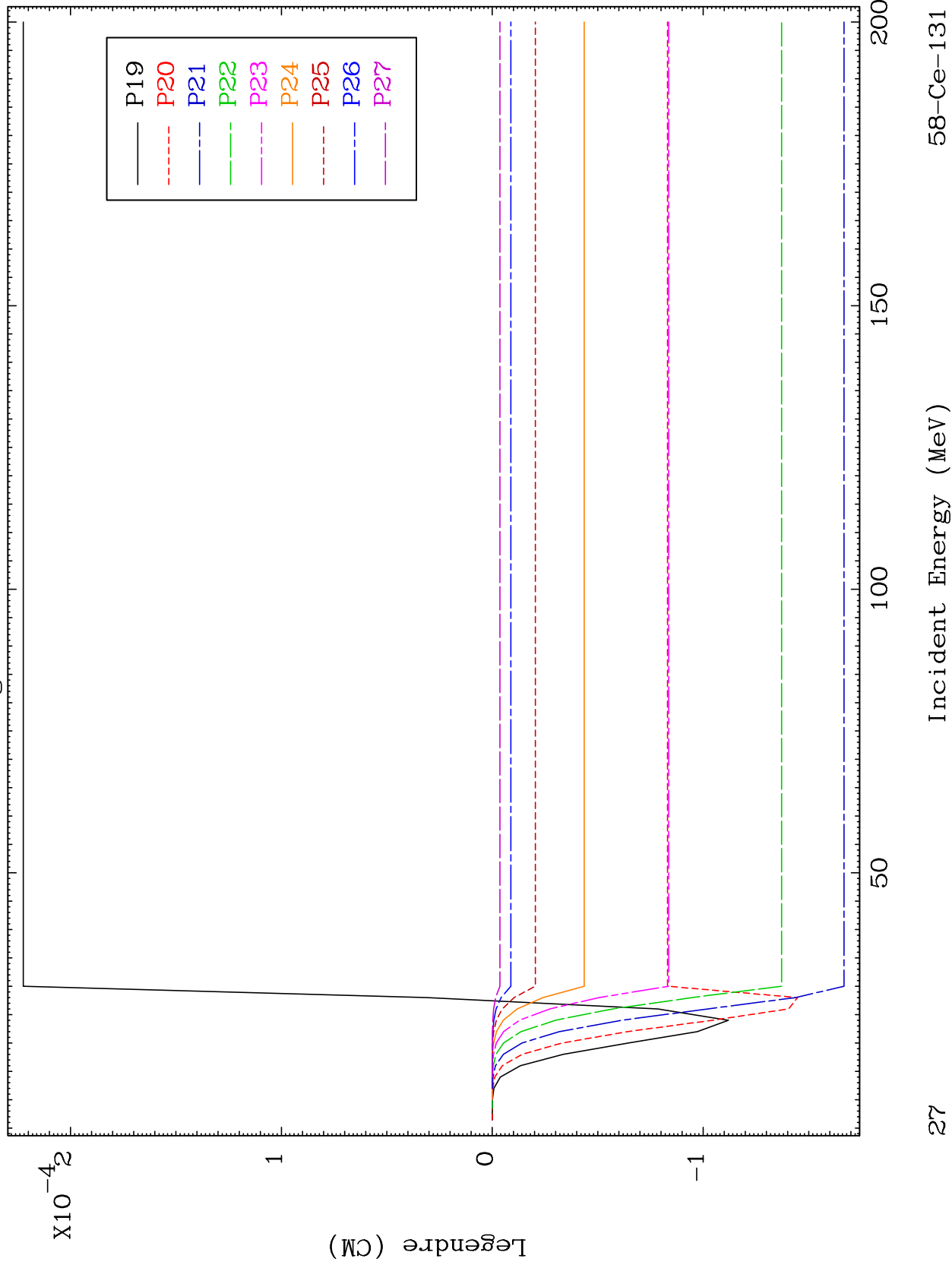
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

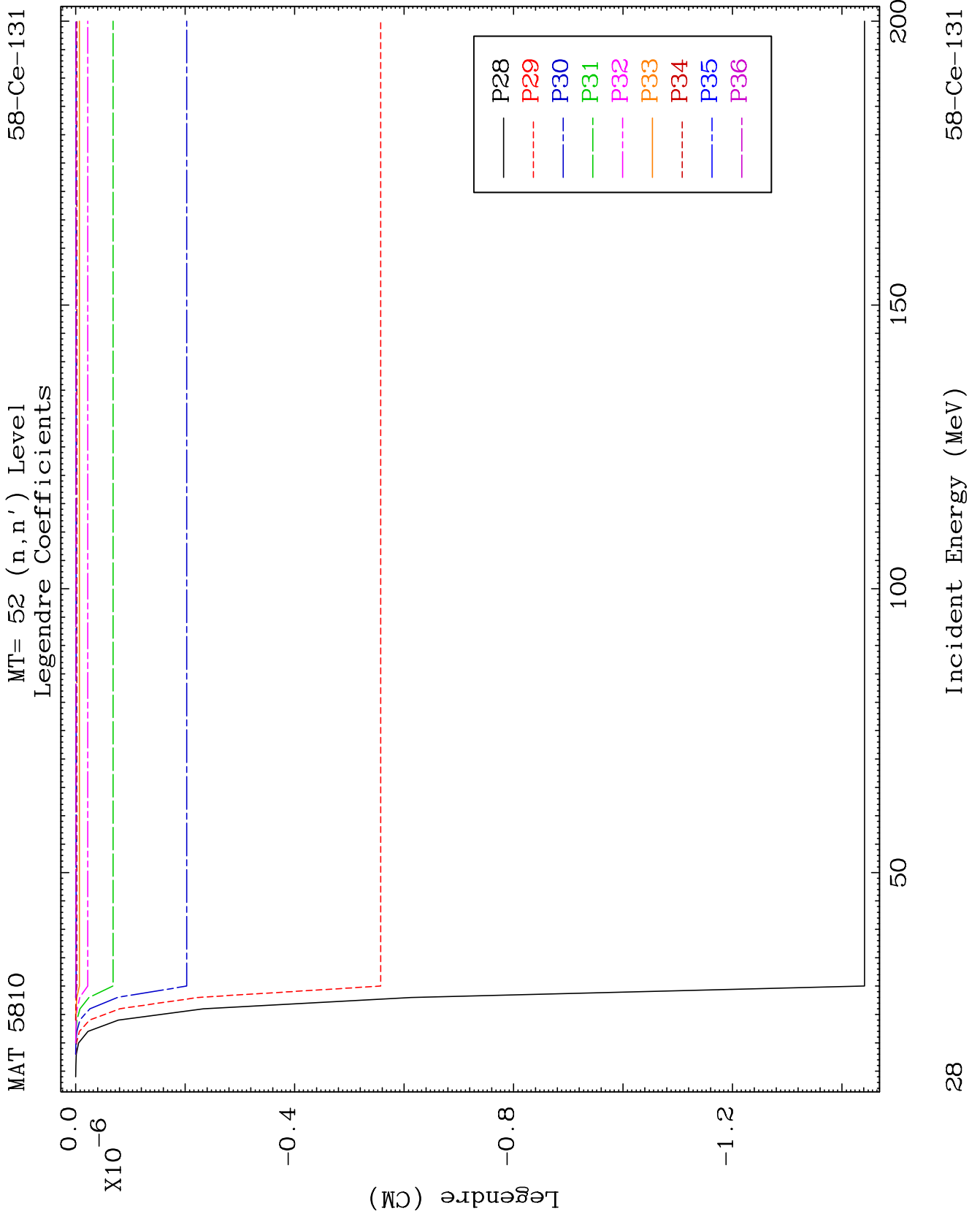
58-Ce-131



27

Incident Energy (MeV)

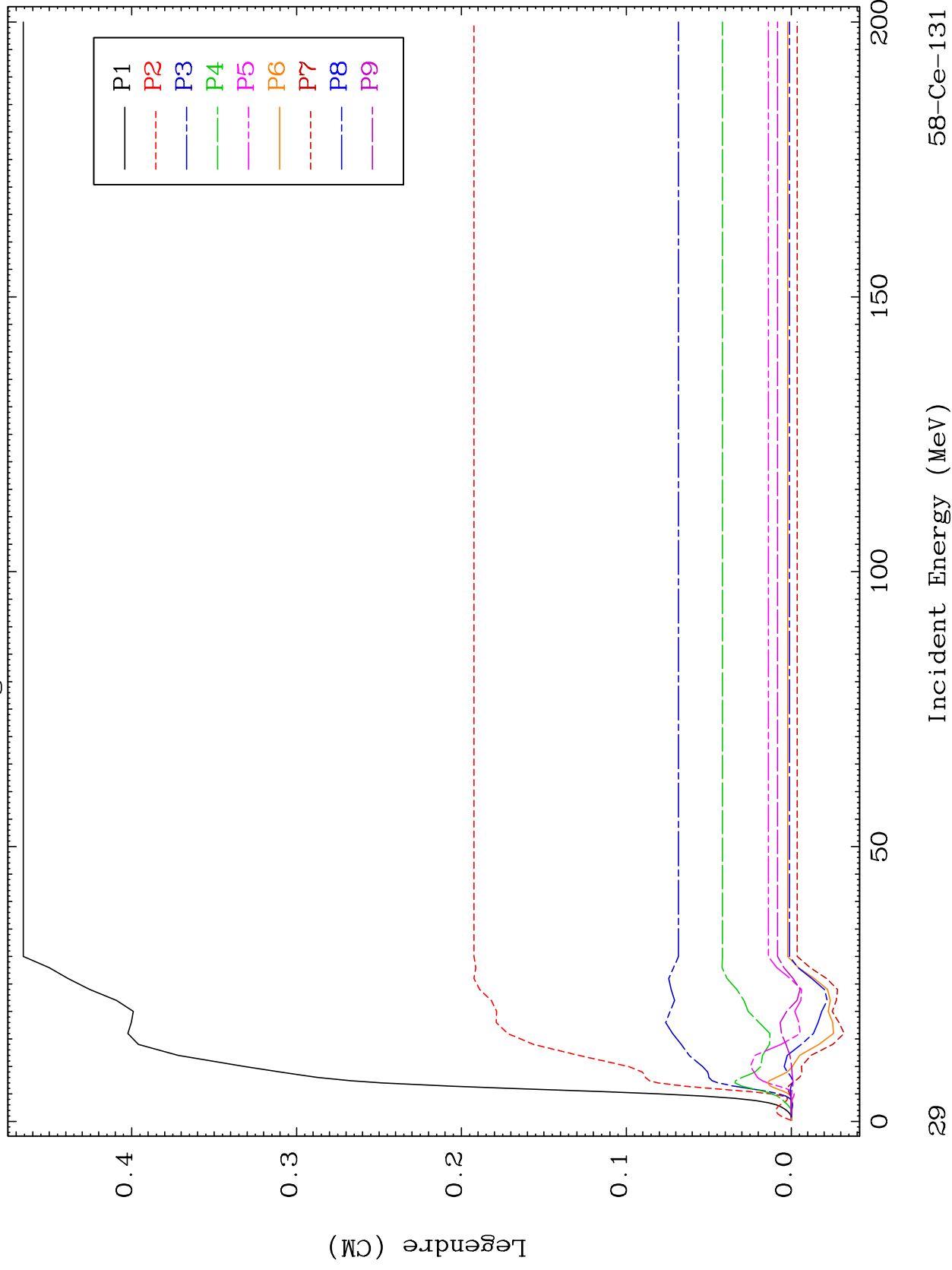
58-Ce-131



MAT 5810

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

58-Ce-131



29

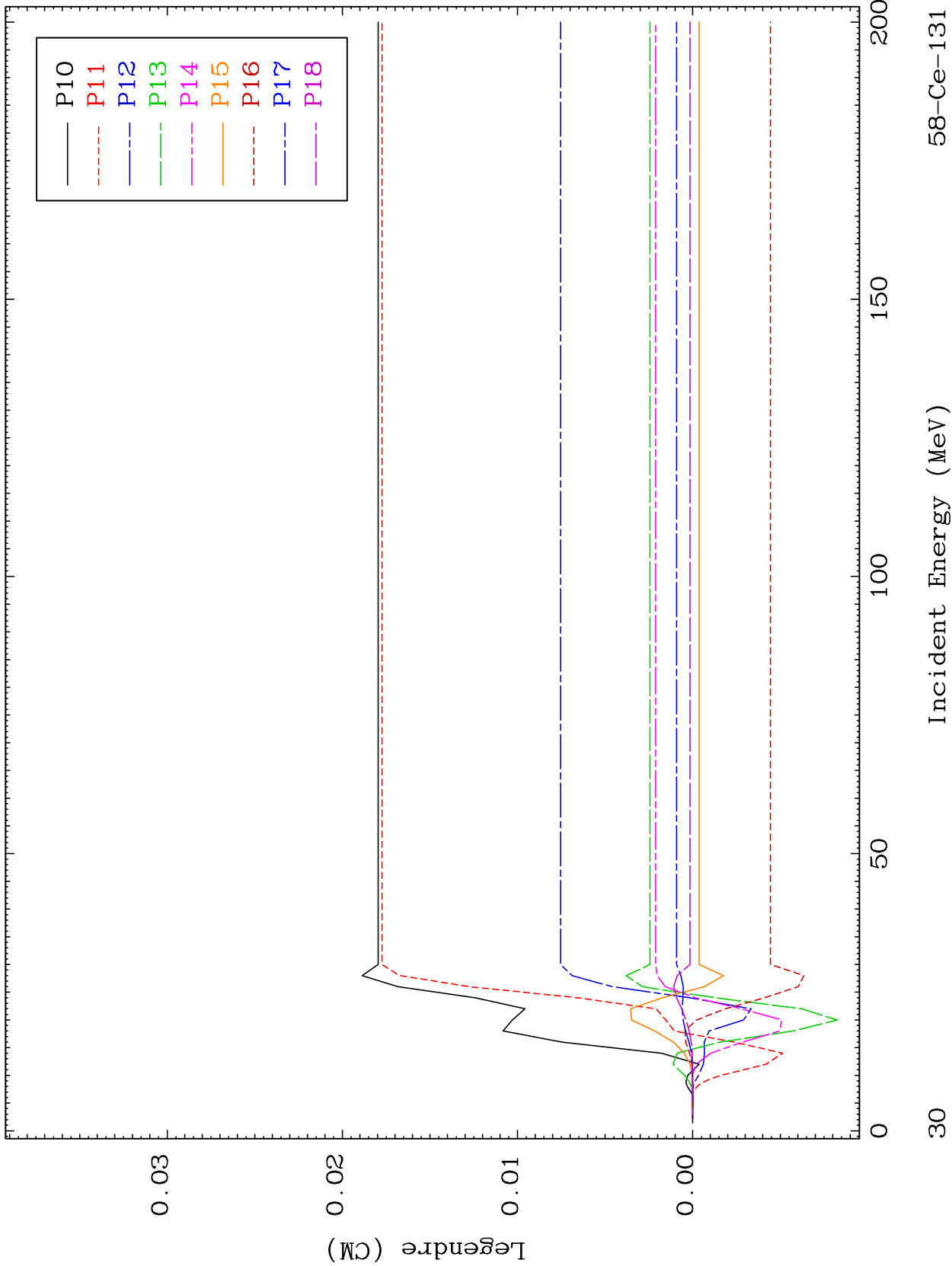
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

58-Ce-131



58-Ce-131

Incident Energy (MeV)

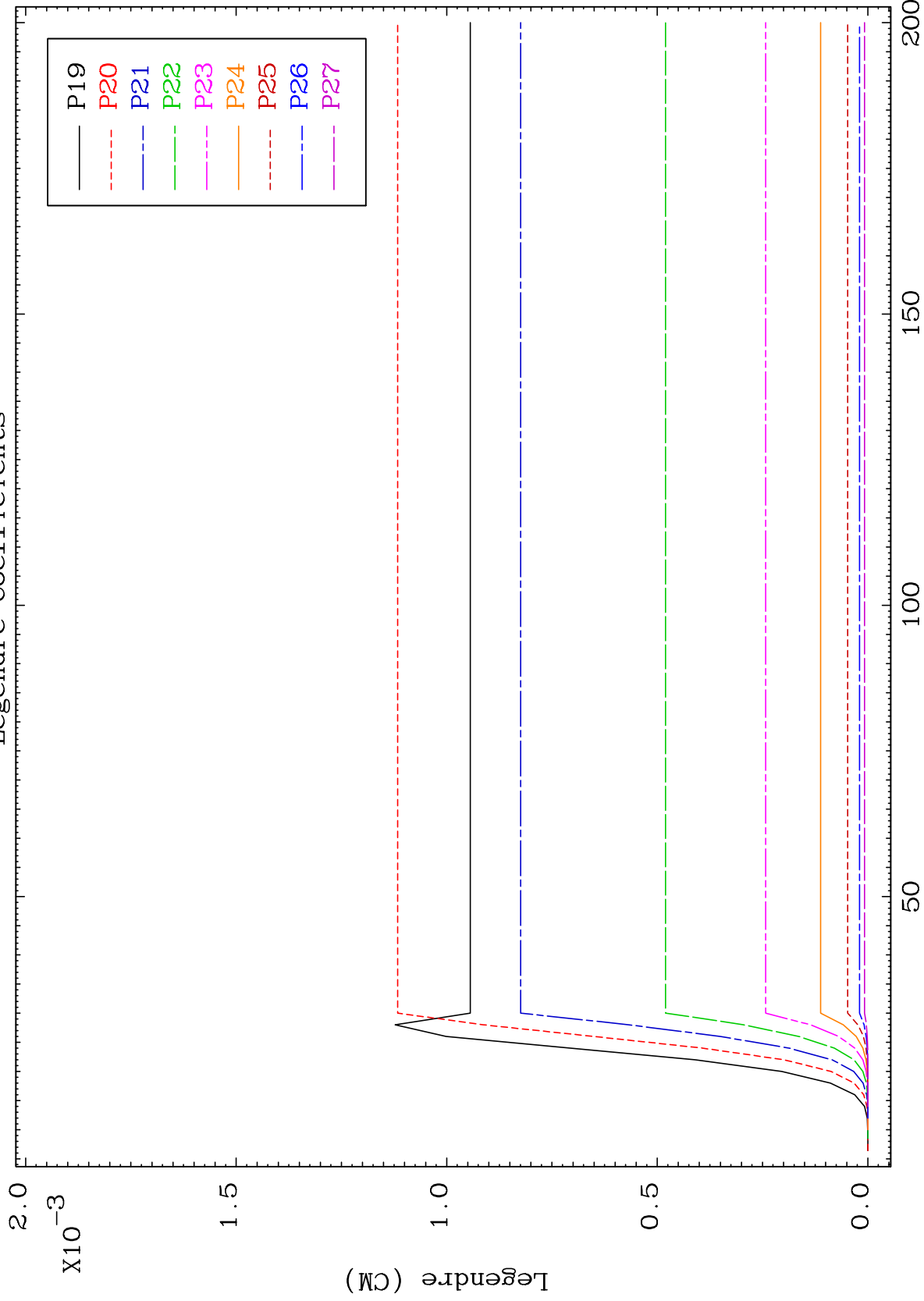
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200

MAT 5810

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

58-Ce-131



31

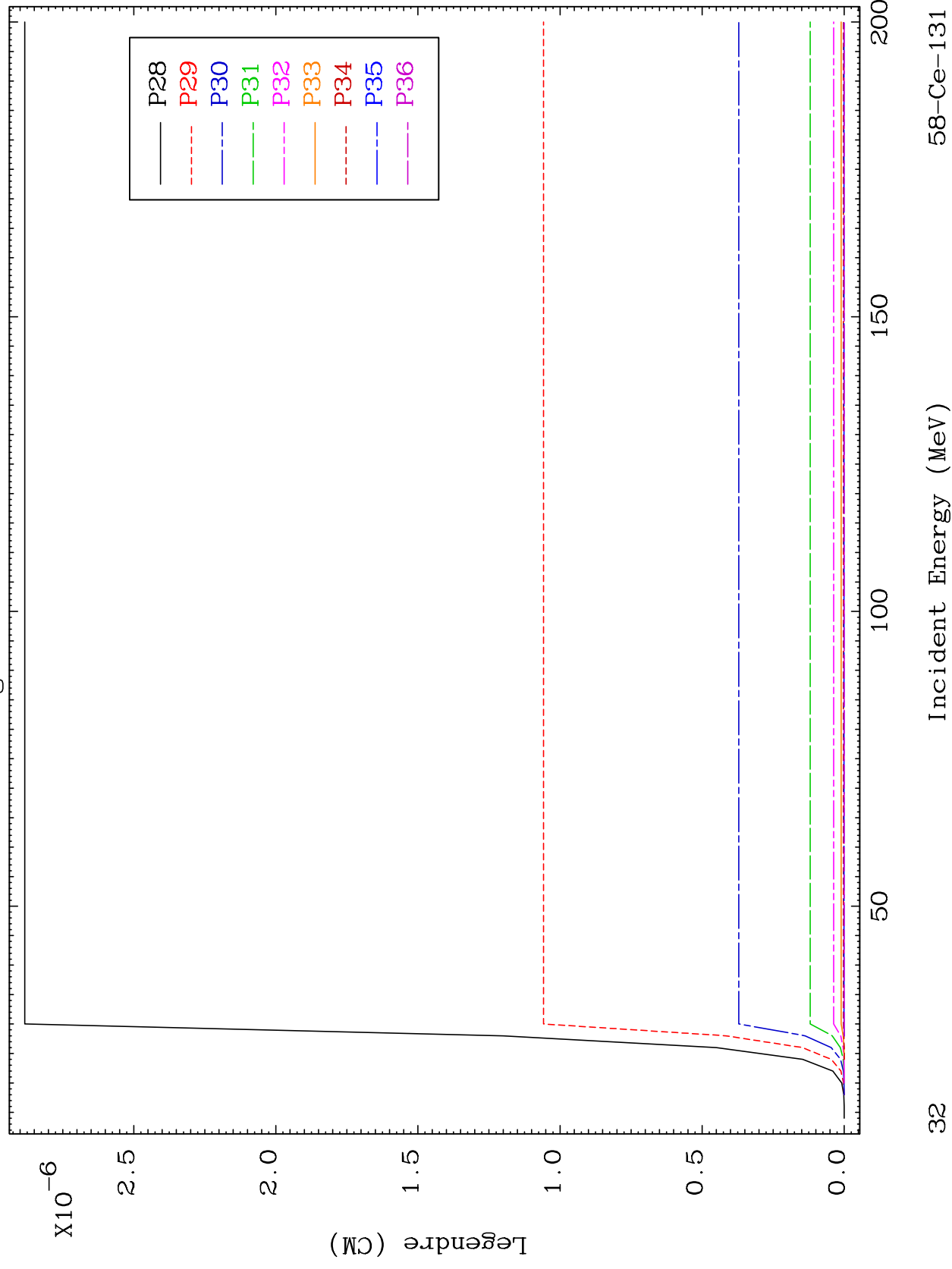
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

58-Ce-131

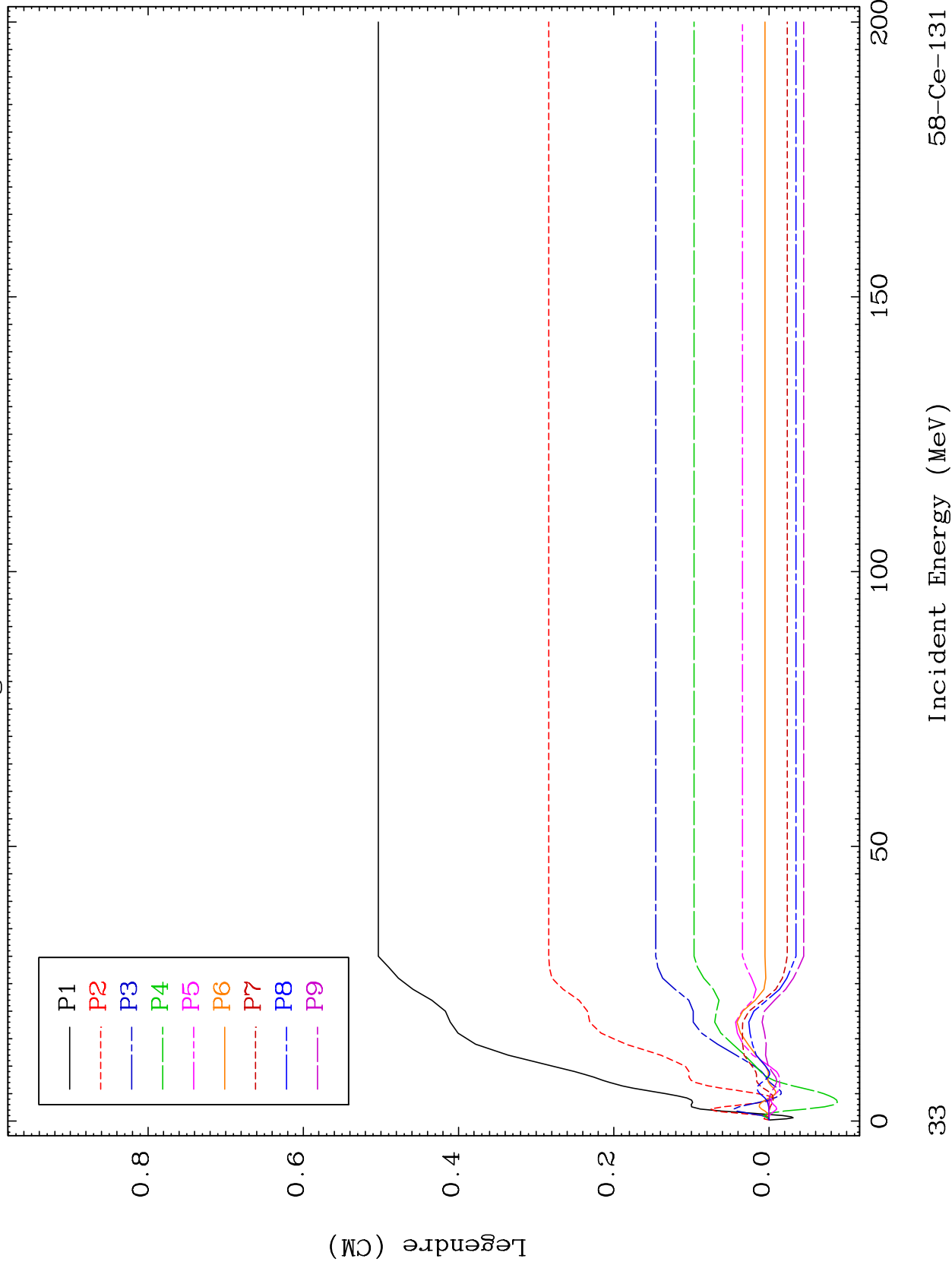


32

MAT 5810

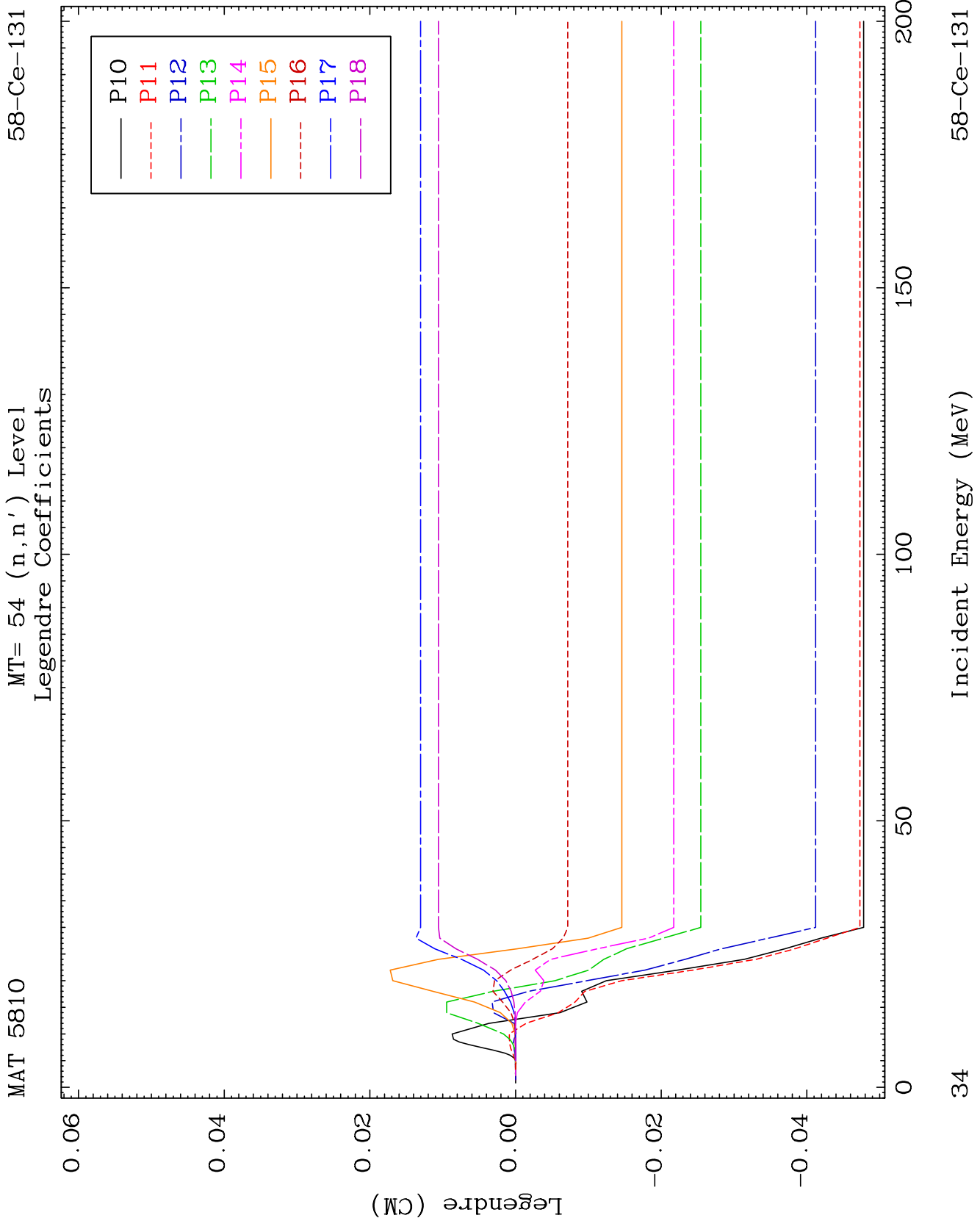
MT= 54 (n,n') Level  
Legendre Coefficients

58-Ce-131



33

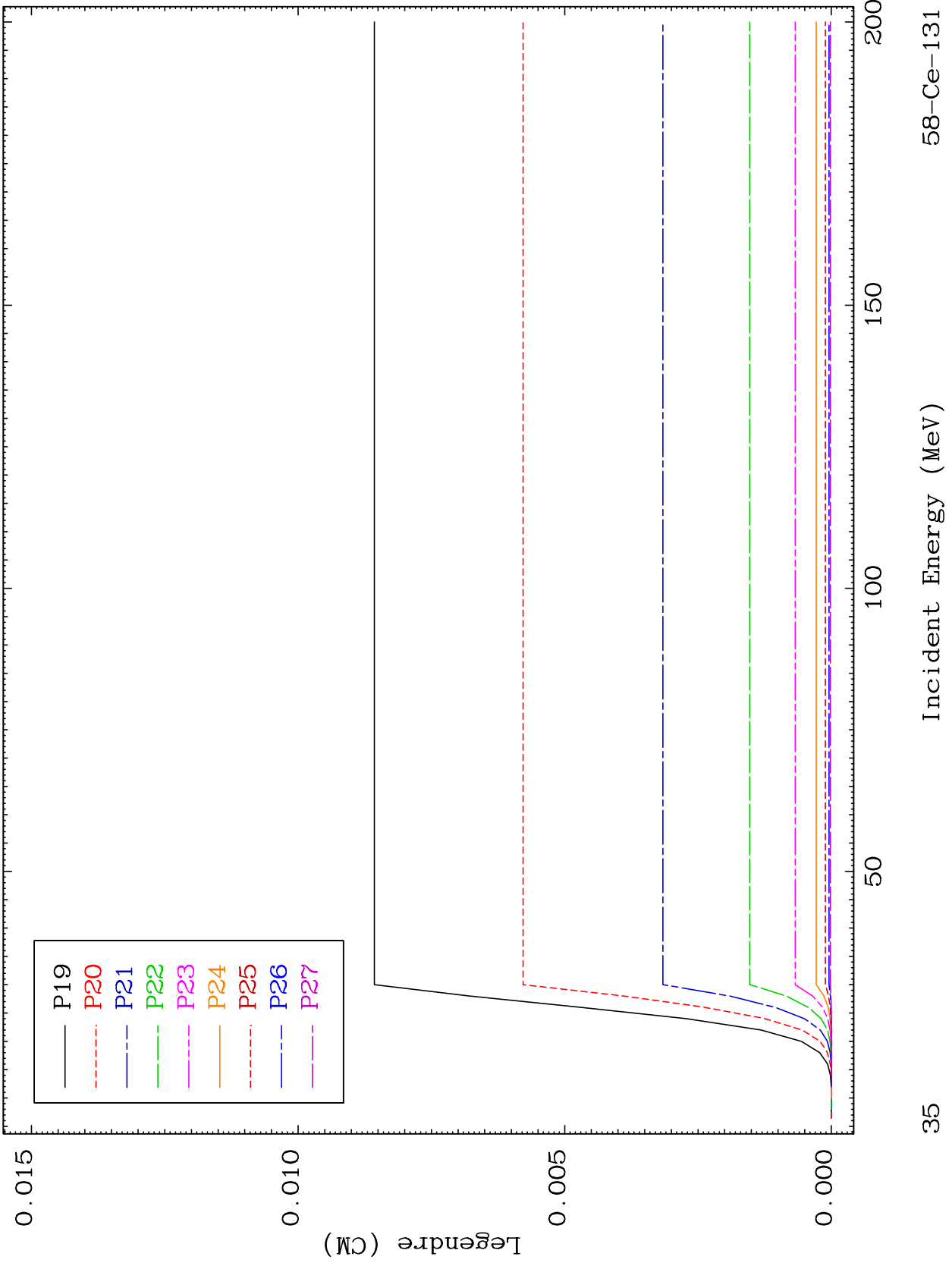
58-Ce-131



MAT 5810

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

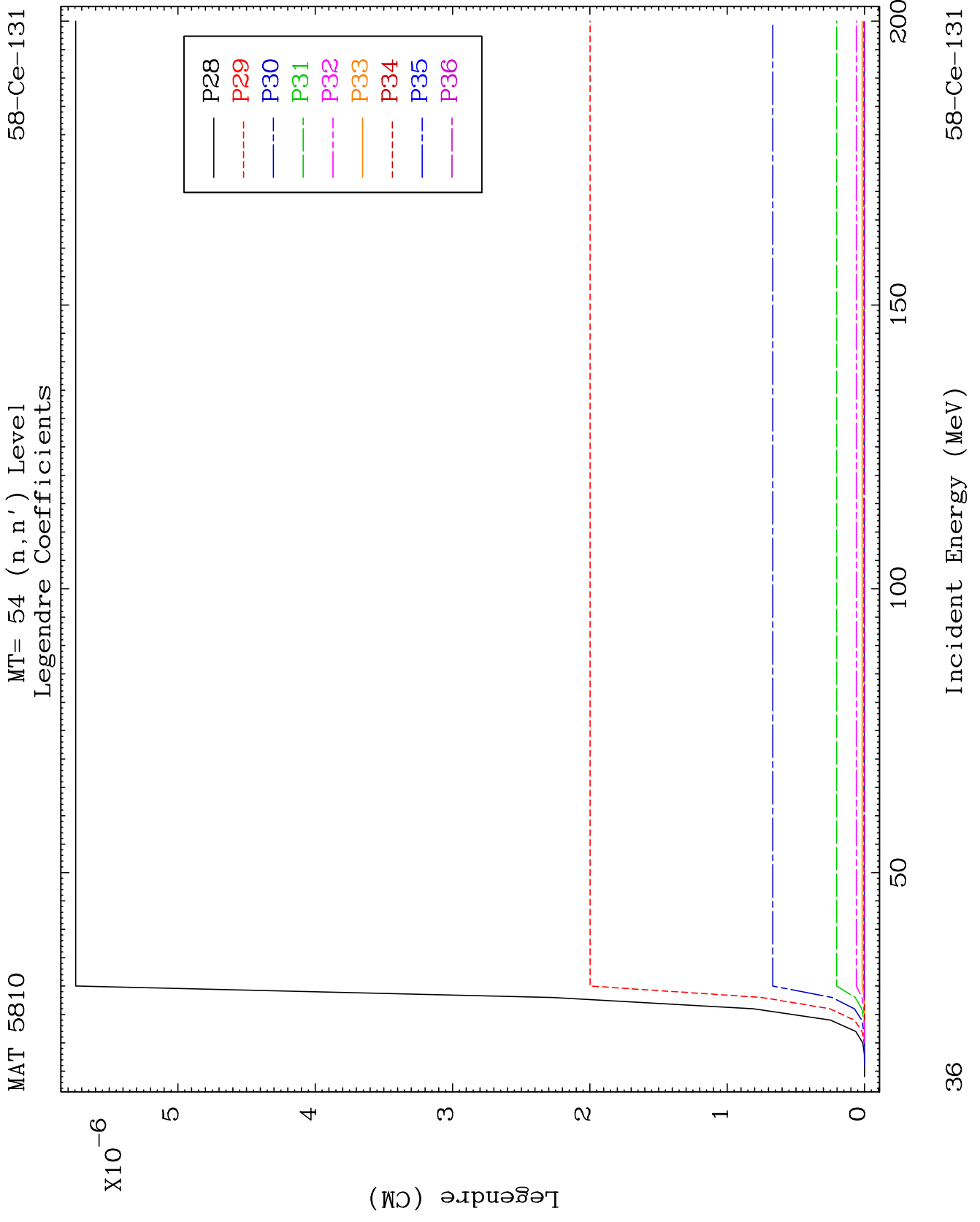
58-Ce-131



35

Incident Energy (MeV)

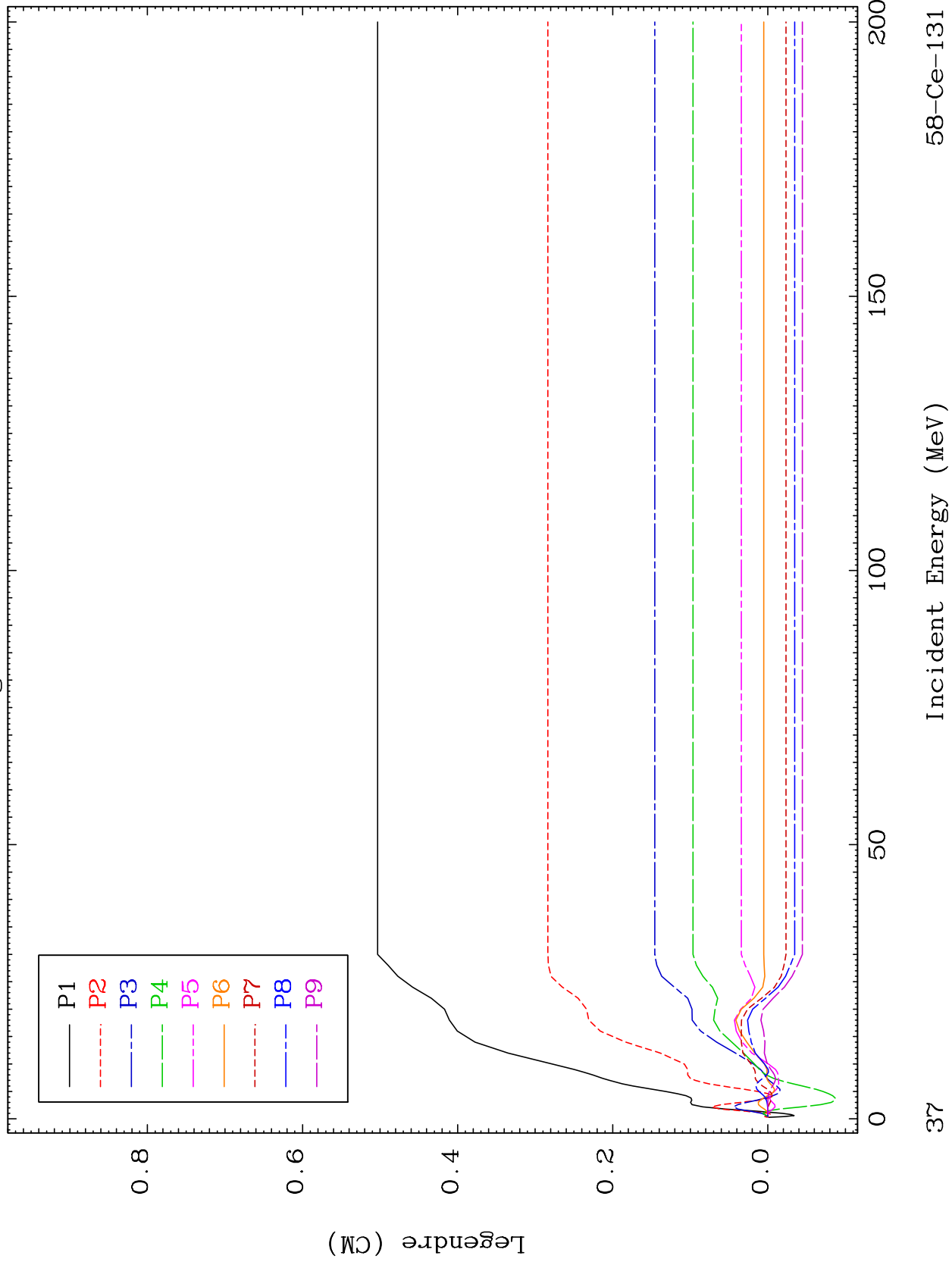
58-Ce-131



MAT 5810

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

58-Ce-131



58-Ce-131

Incident Energy (MeV)

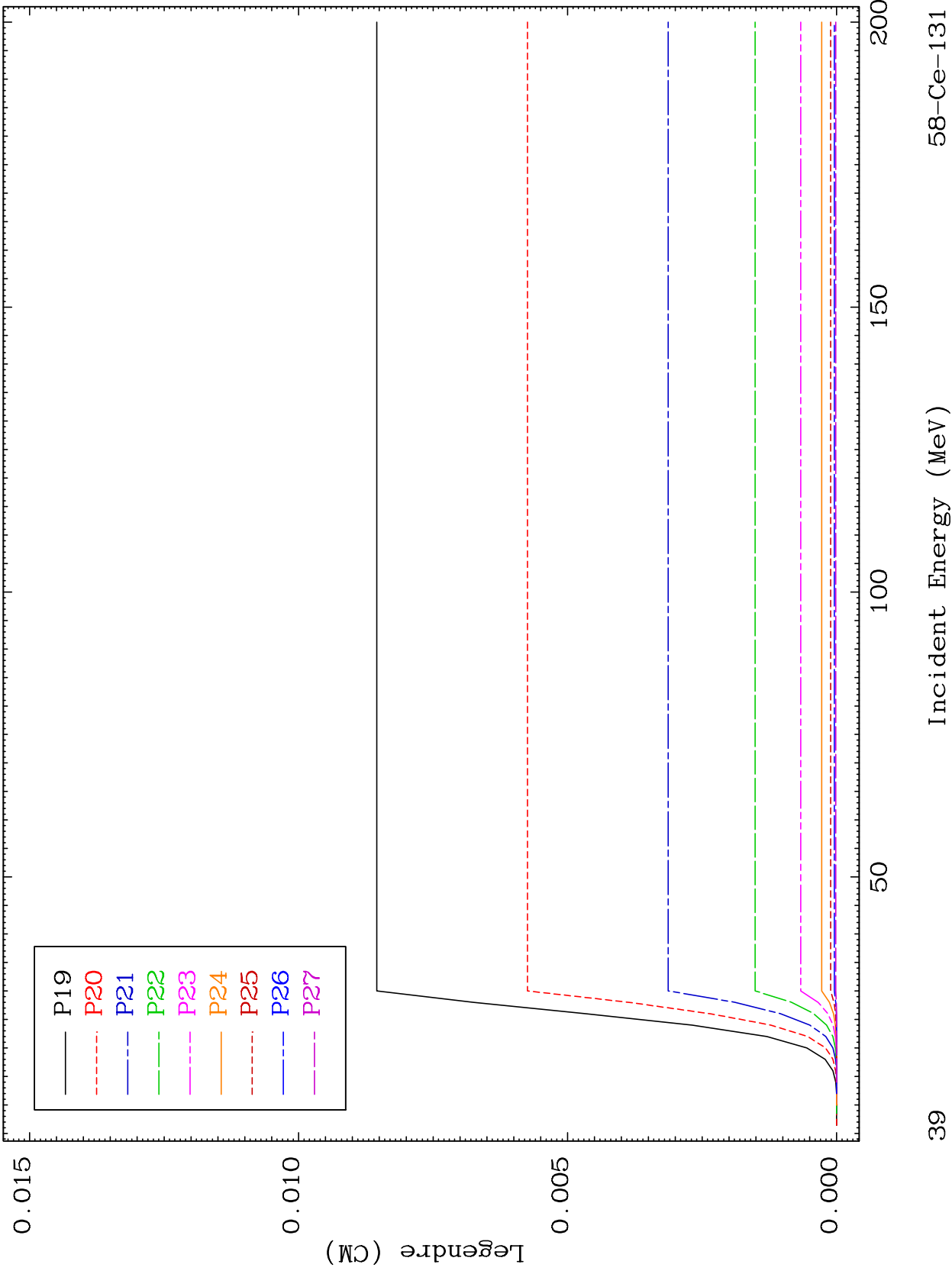
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MAT 5810

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

58-Ce-131



39

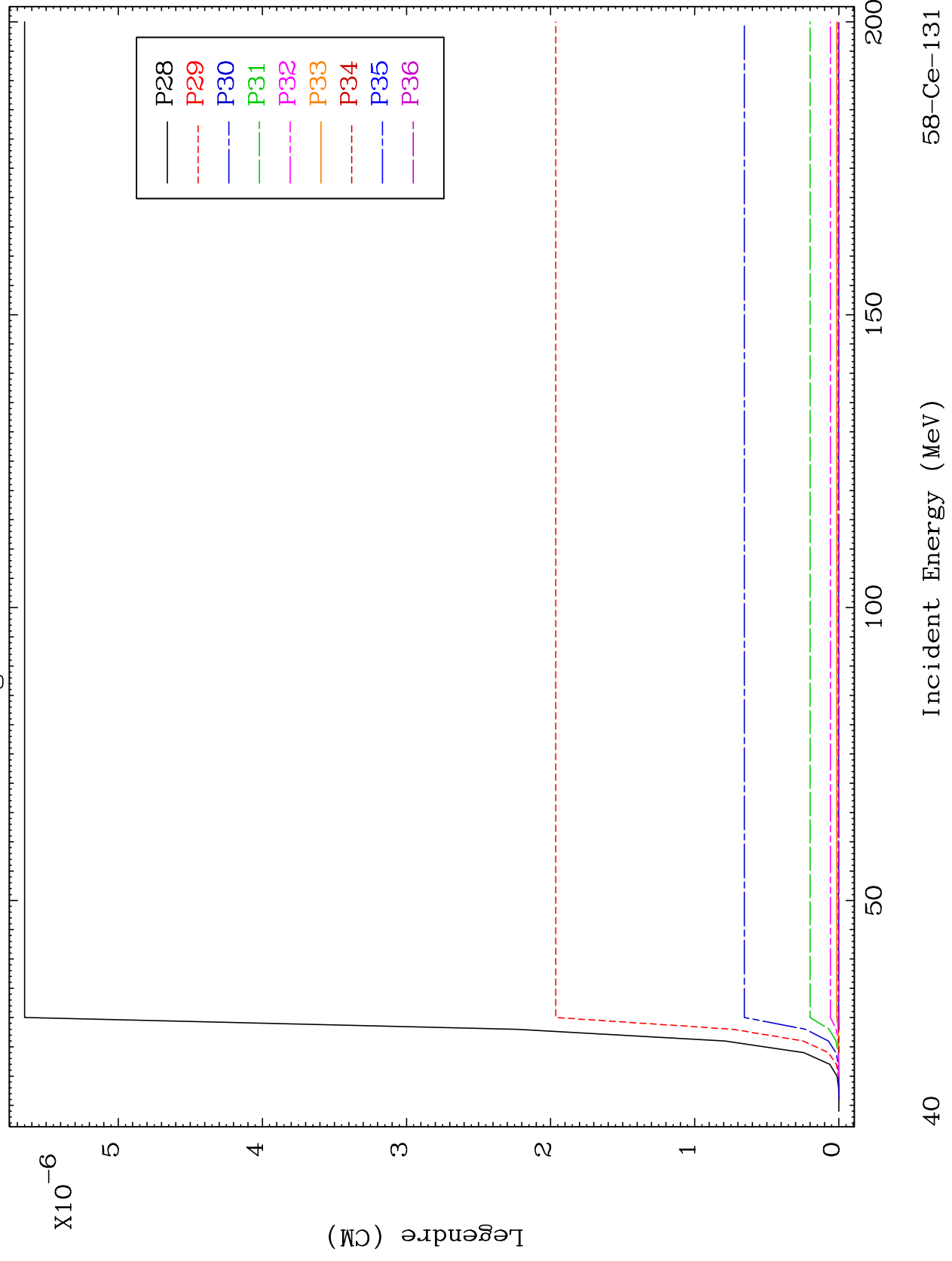
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

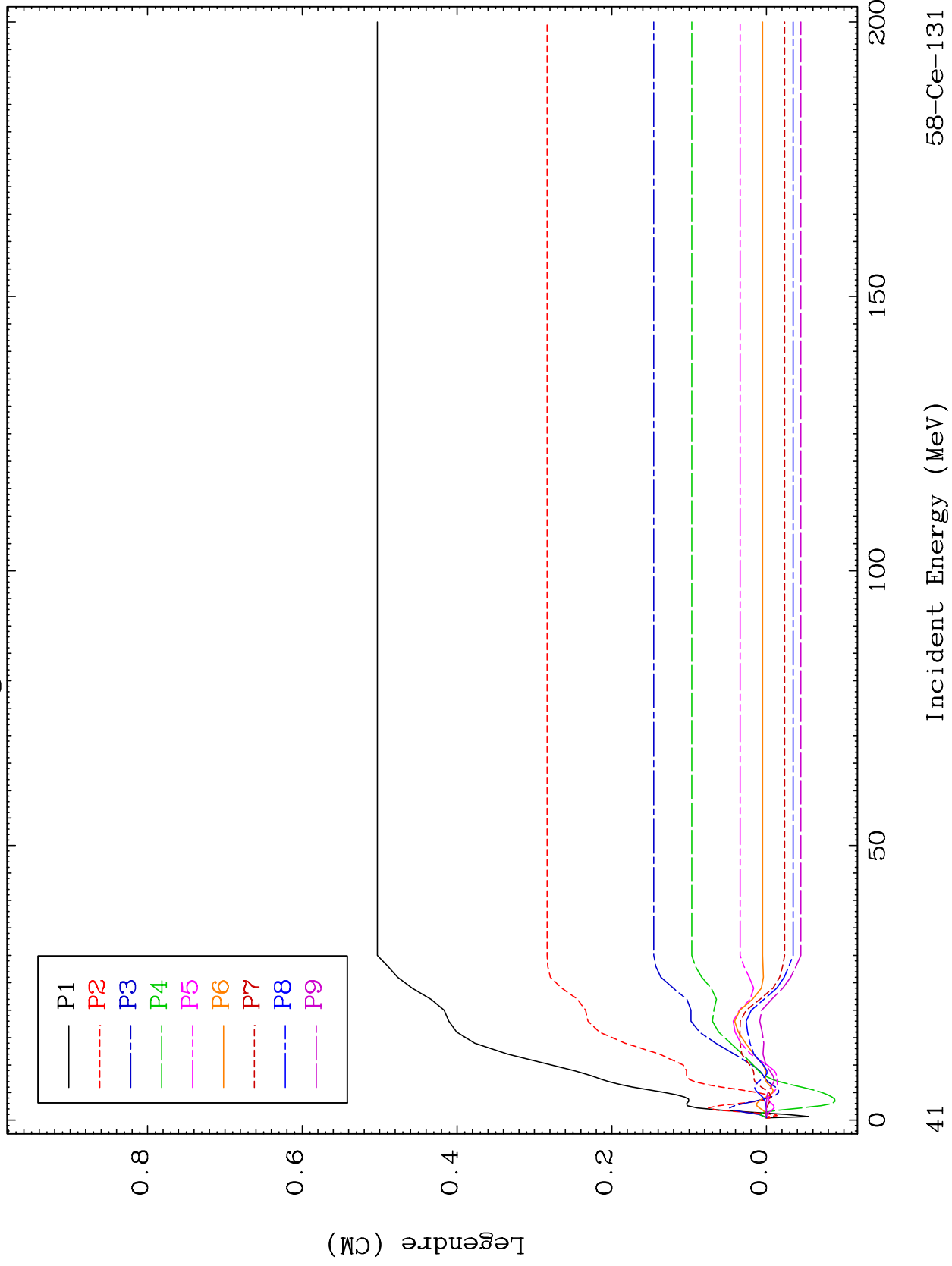
58-Ce-131



MAT 5810

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

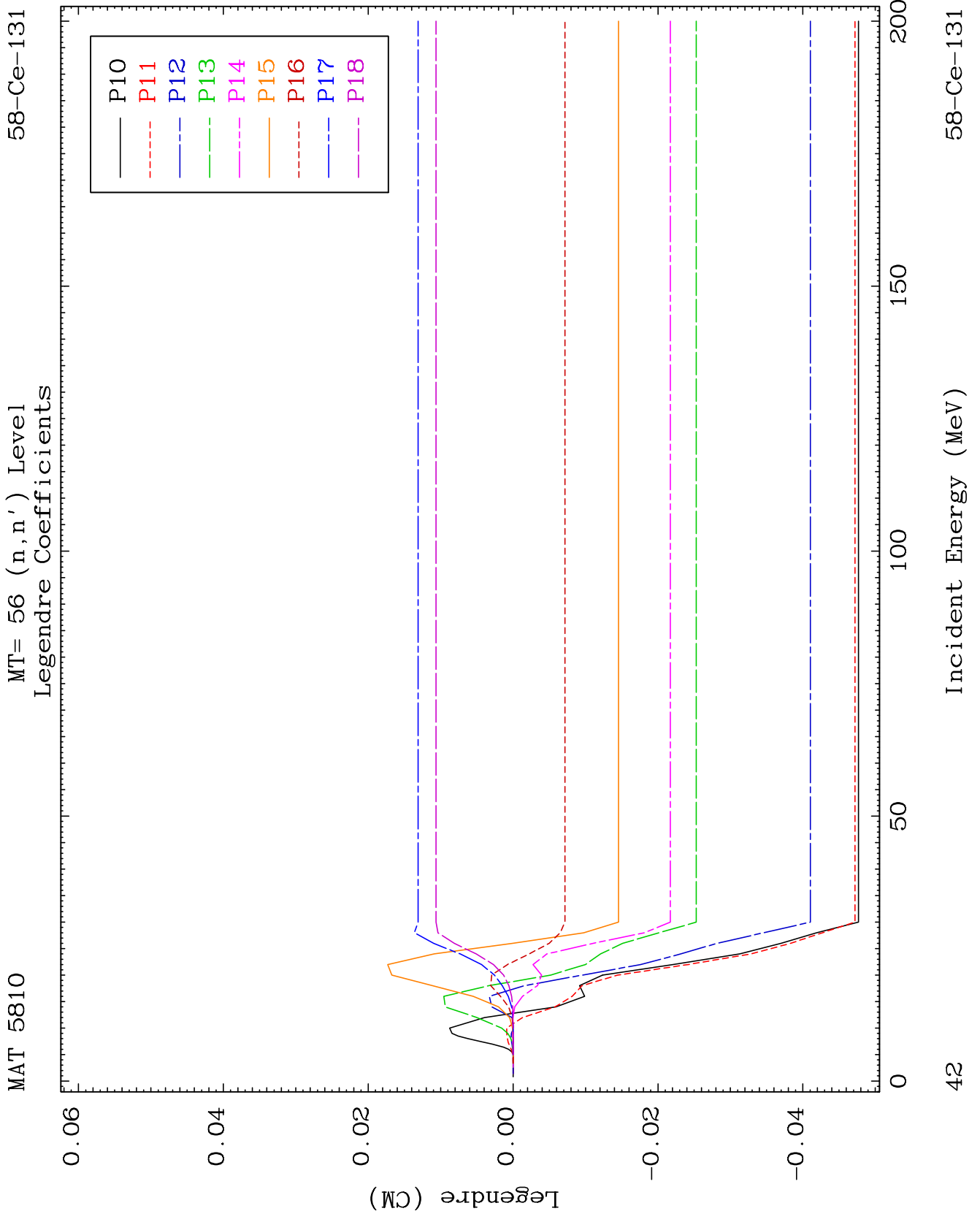
58-Ce-131



41

Incident Energy (MeV)

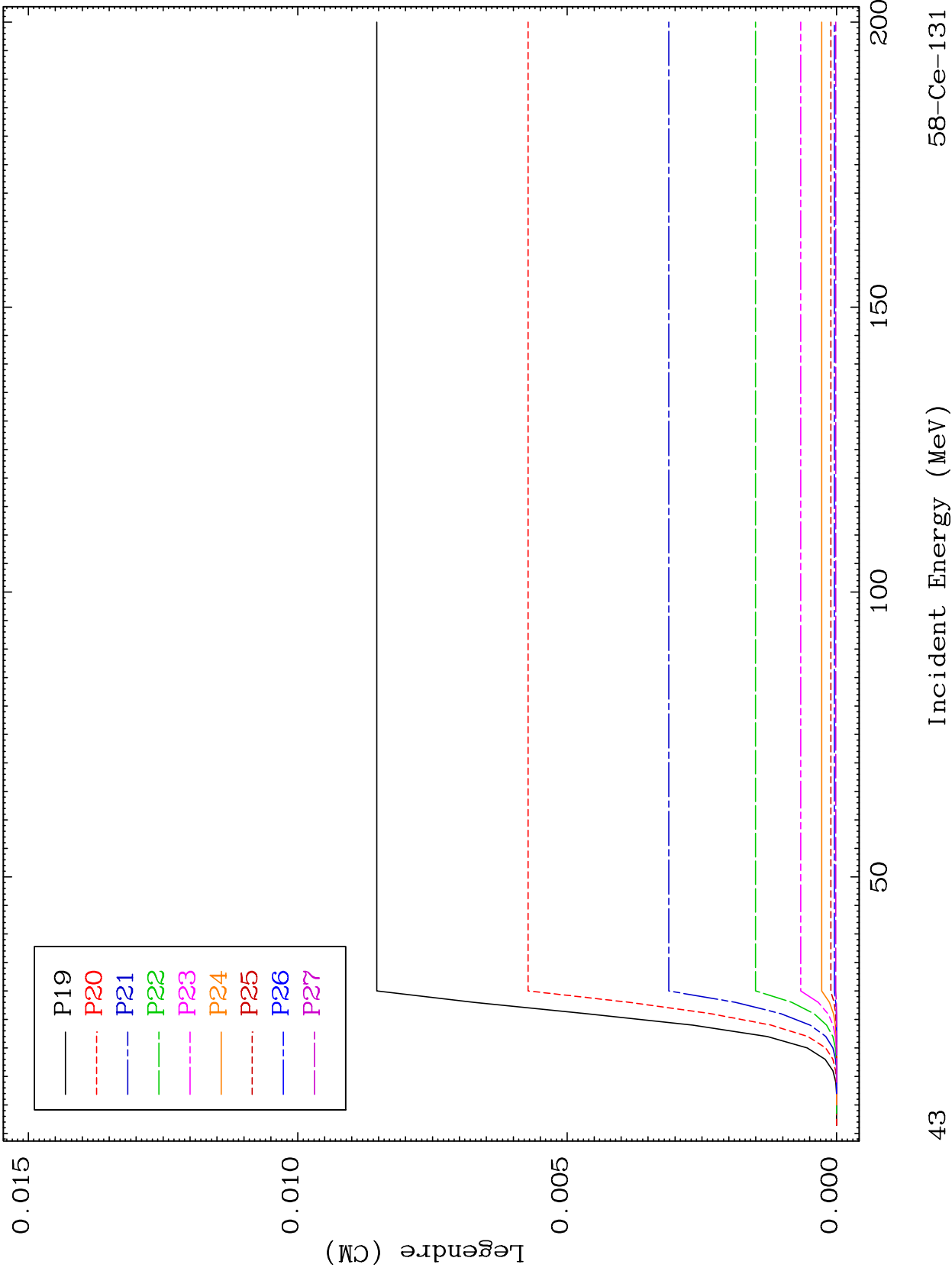
58-Ce-131



MAT 5810

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

58-Ce-131



43

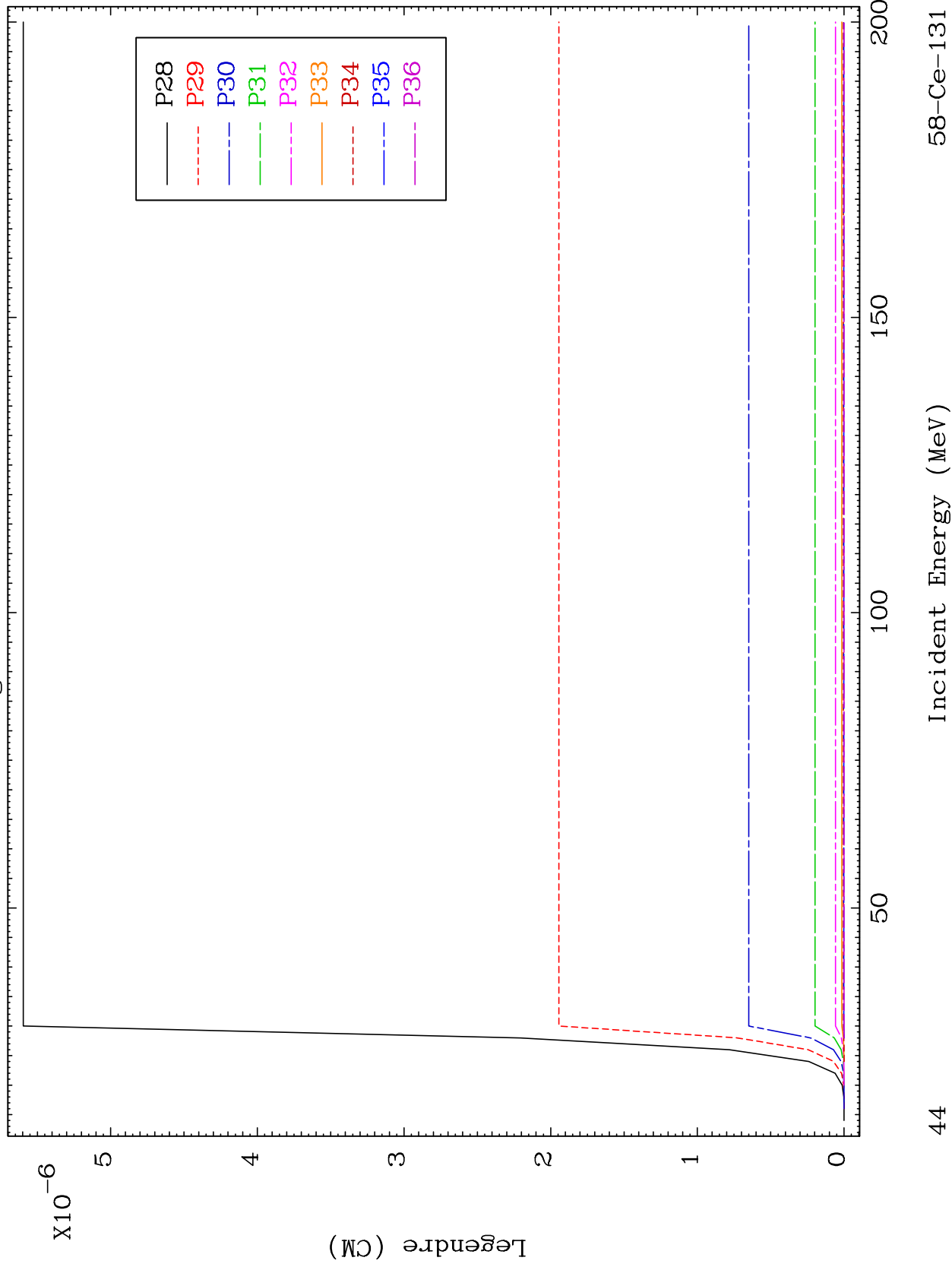
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

58-Ce-131



44

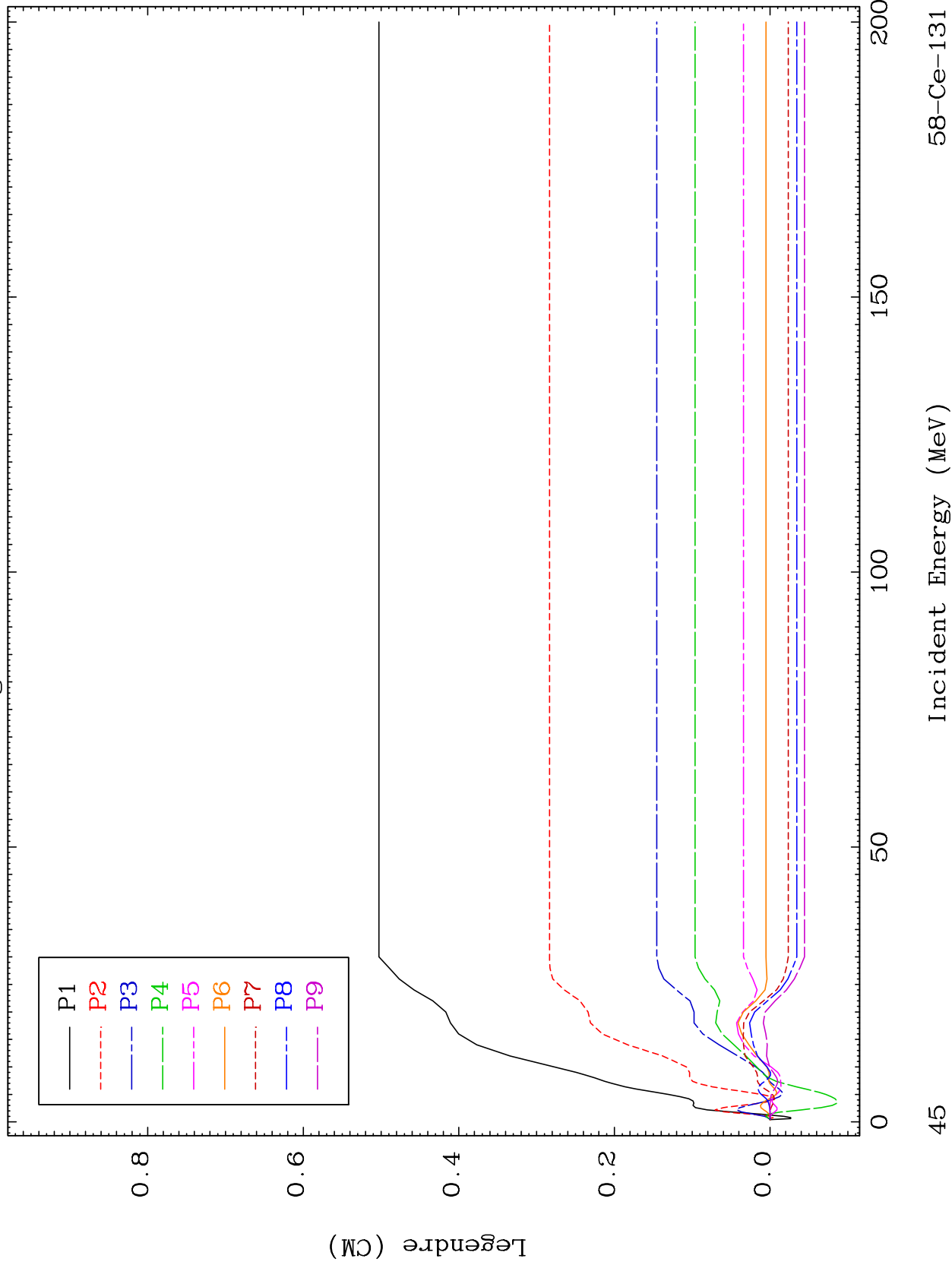
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

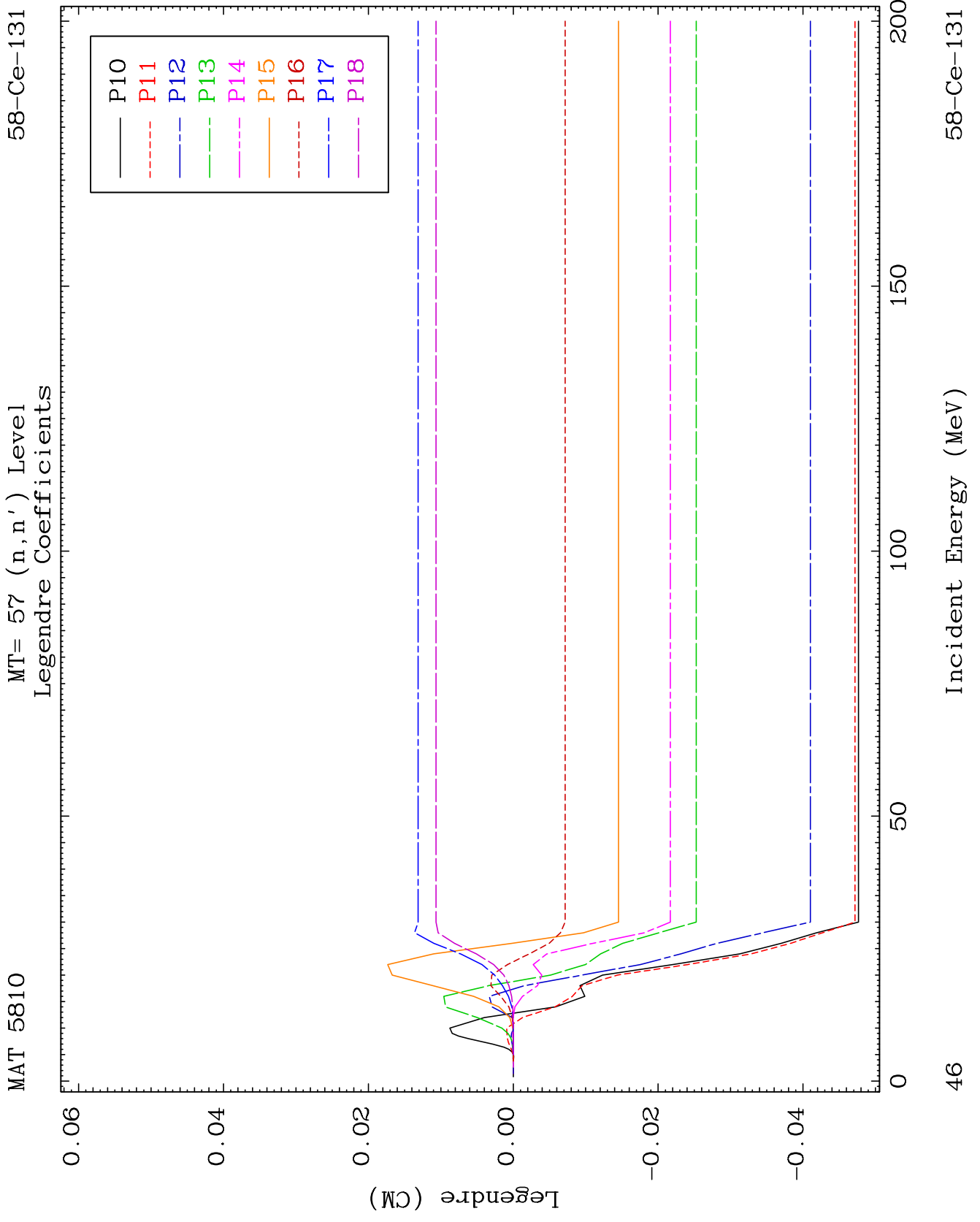
58-Ce-131



58-Ce-131

Incident Energy (MeV)

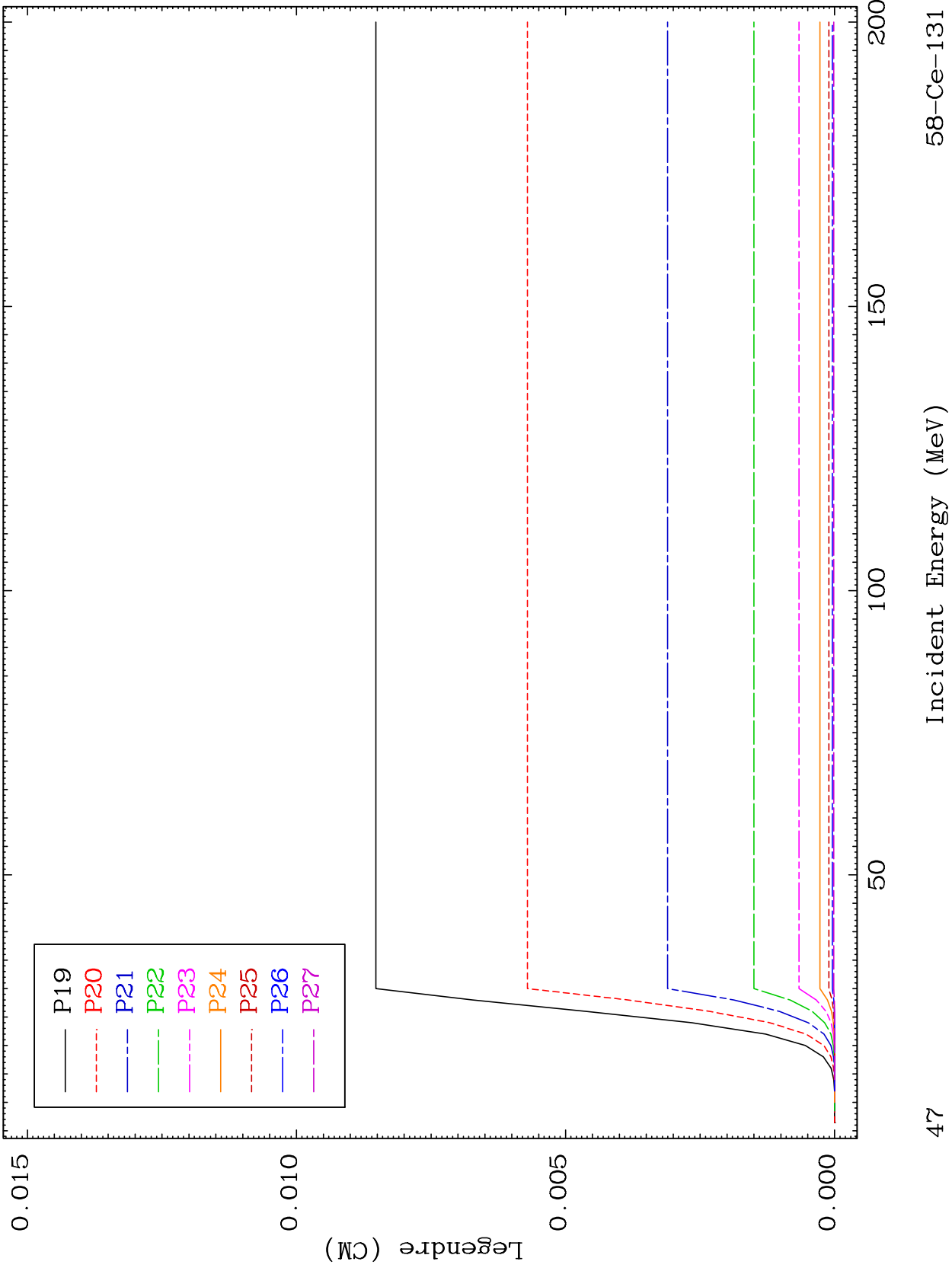
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MAT 5810

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

58-Ce-131



47

Incident Energy (MeV)

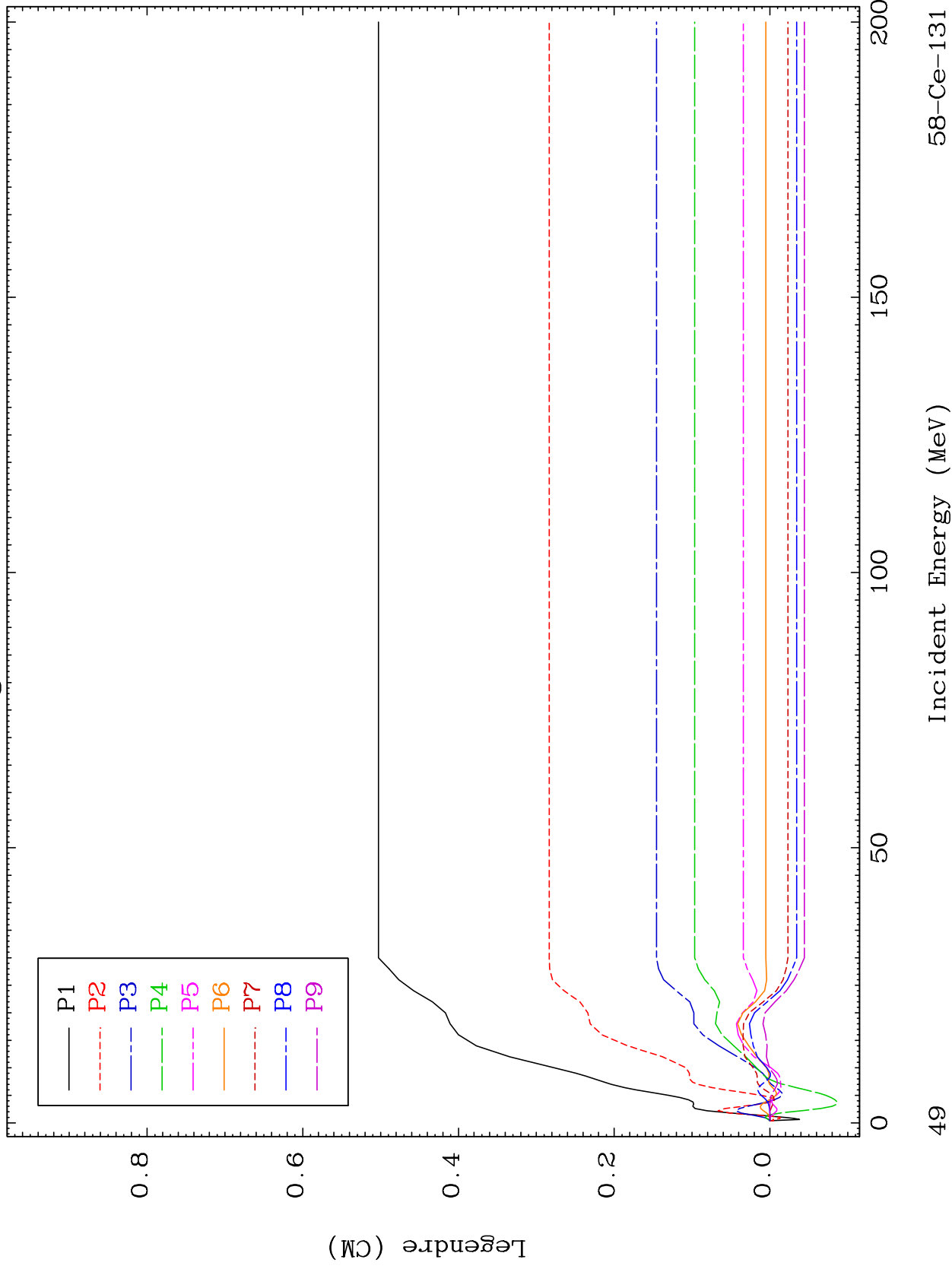
58-Ce-131



MAT 5810

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

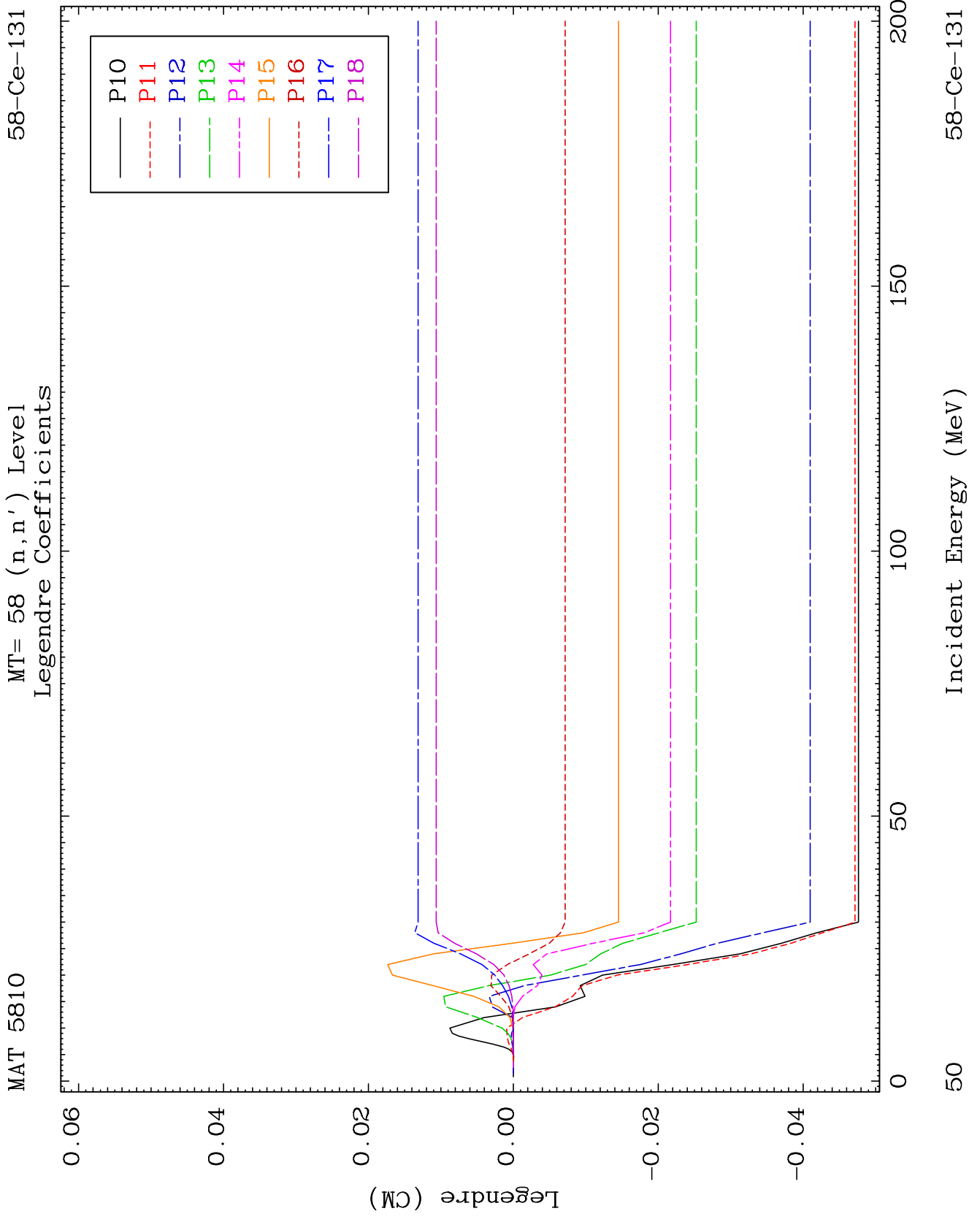
58-Ce-131



58-Ce-131

Incident Energy (MeV)

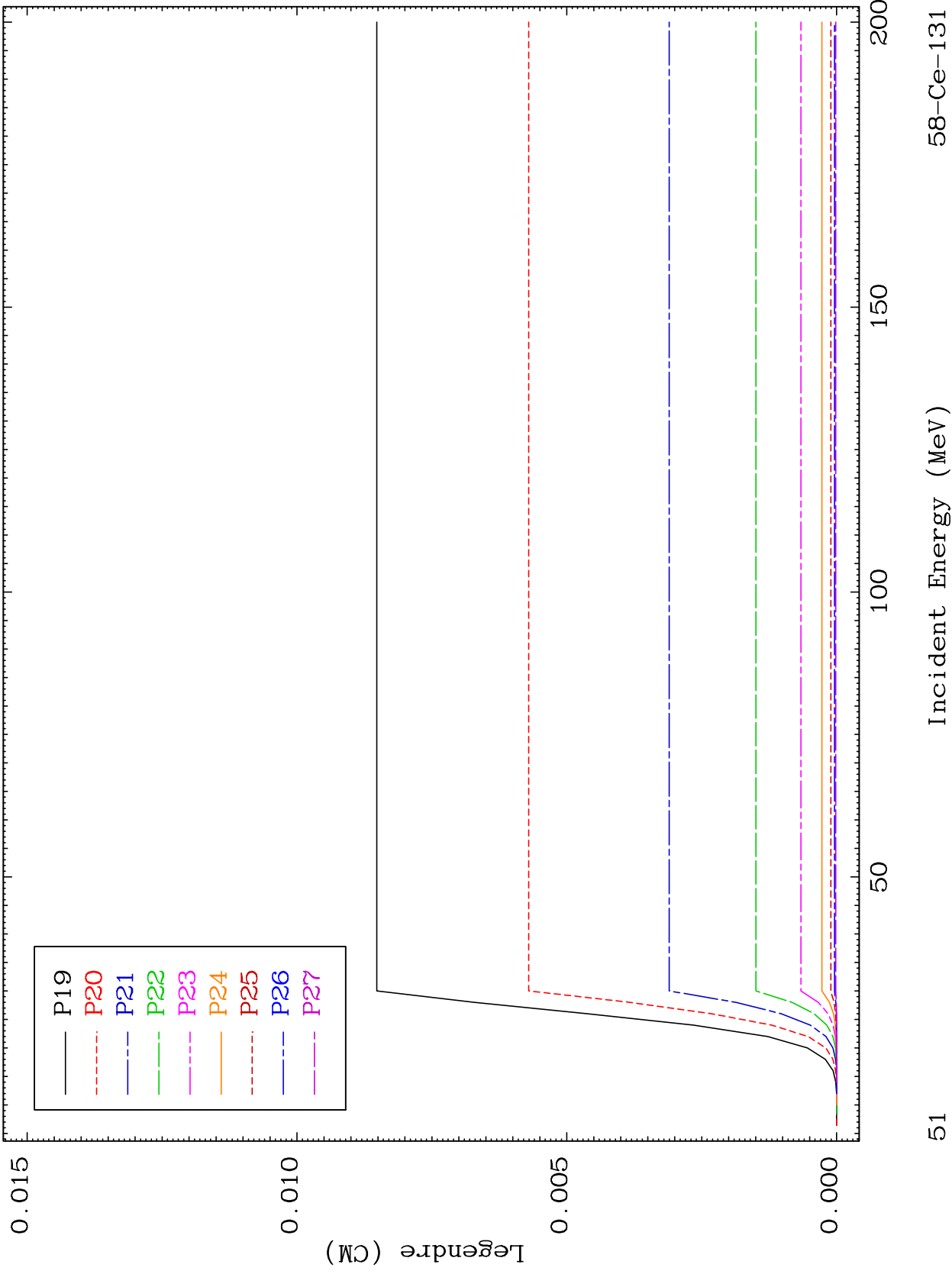
49



MAT 5810

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

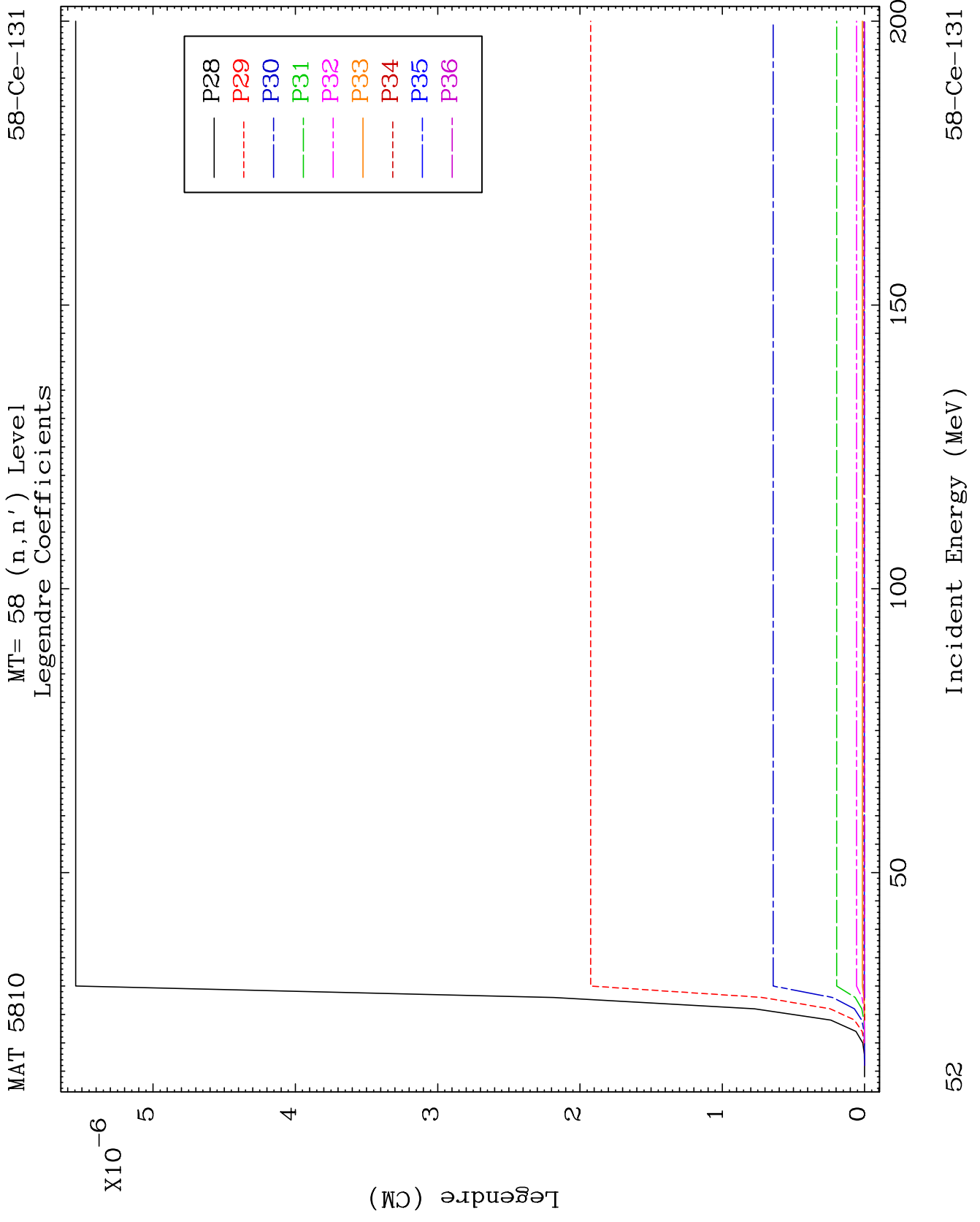
58-Ce-131



51

Incident Energy (MeV)

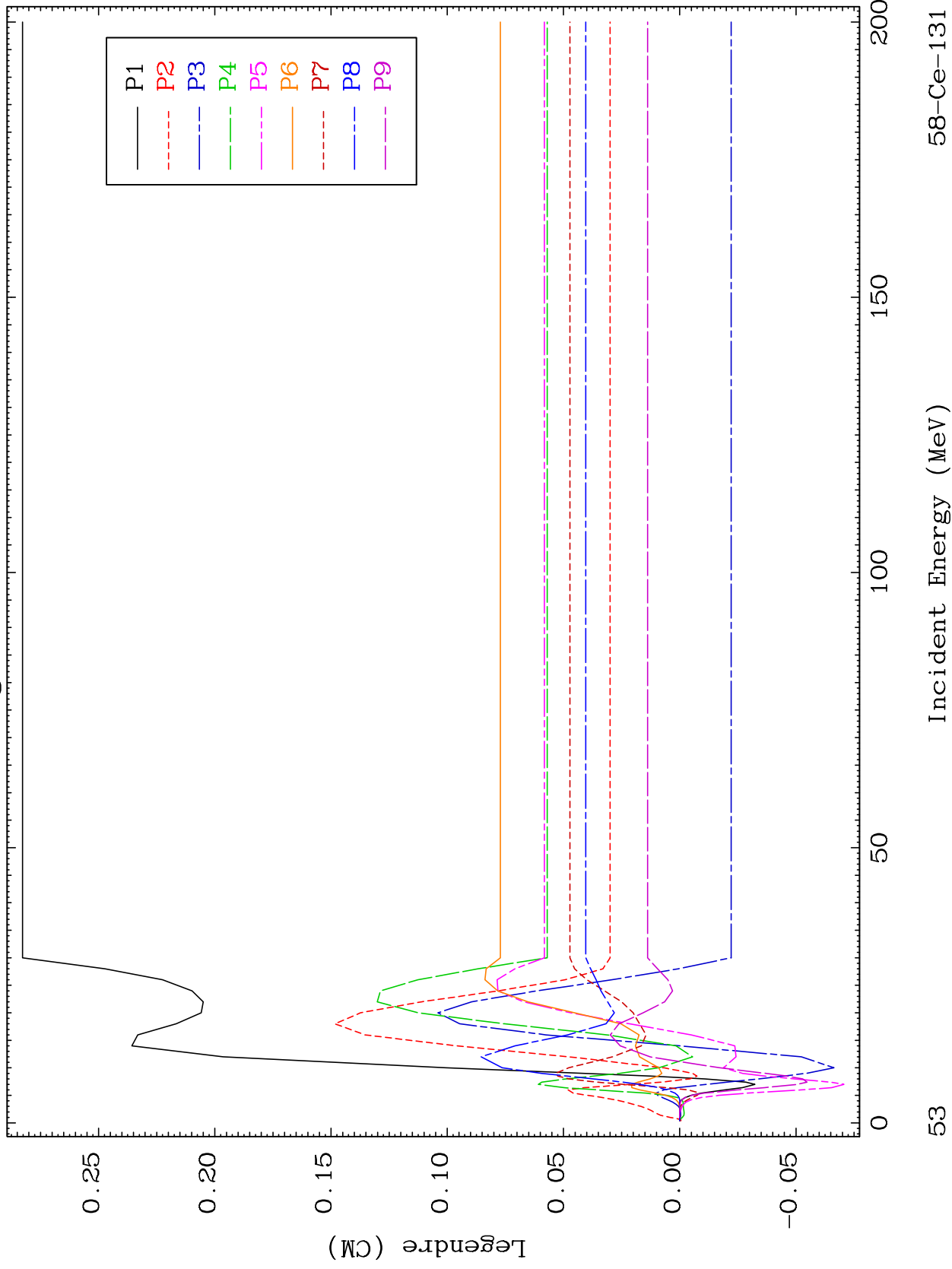
58-Ce-131



MAT 5810

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

58-Ce-131

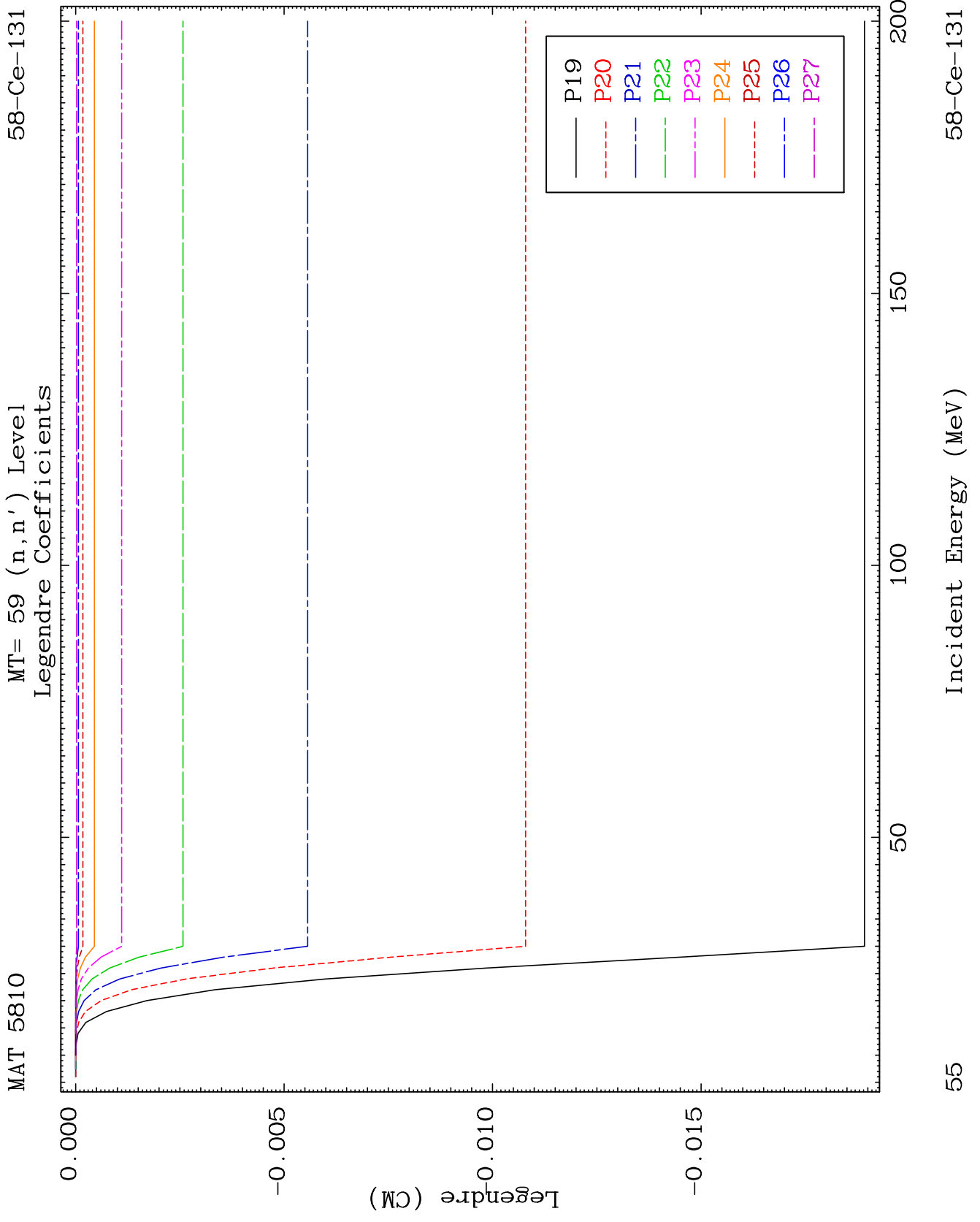


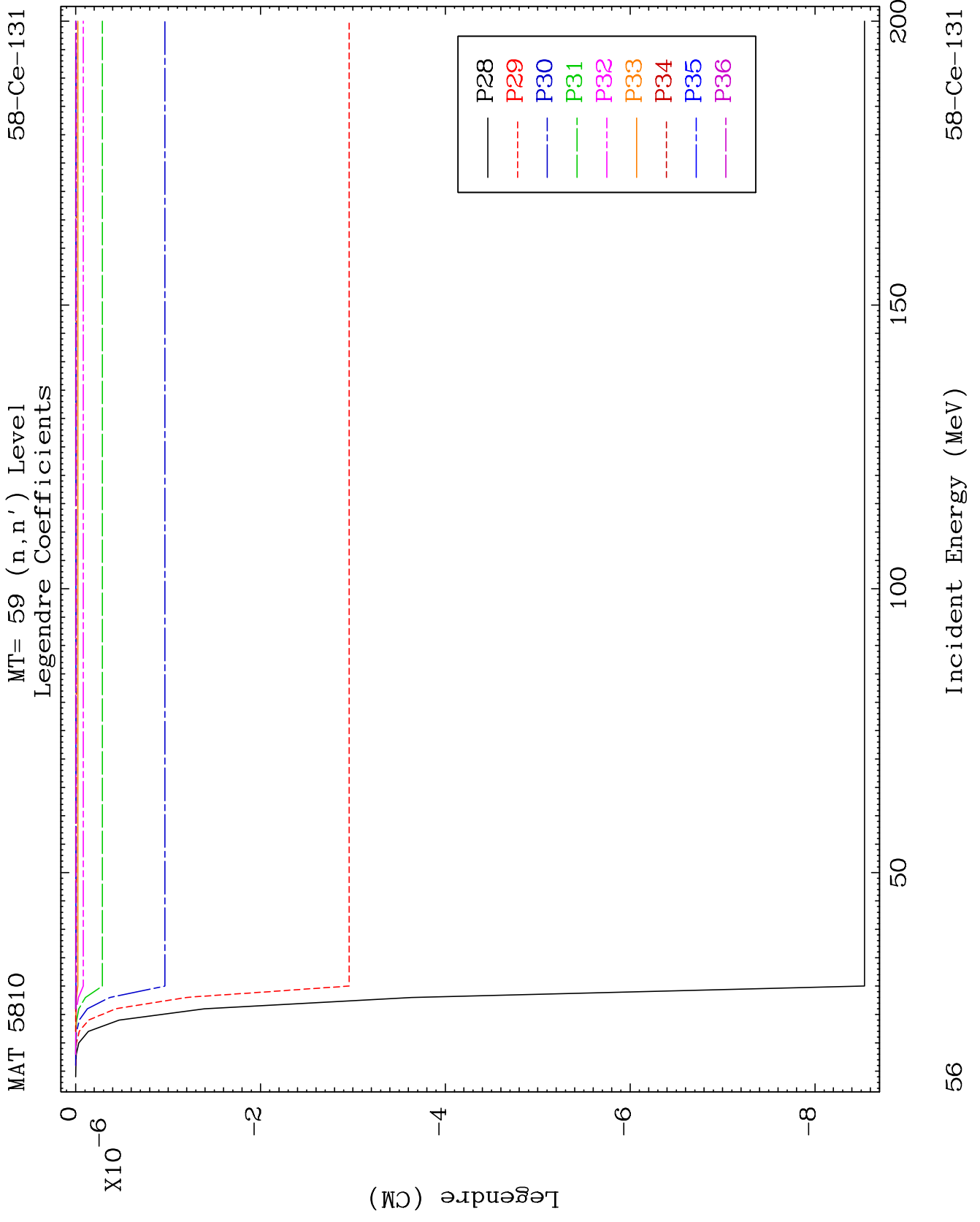
53

Incident Energy (MeV)

58-Ce-131



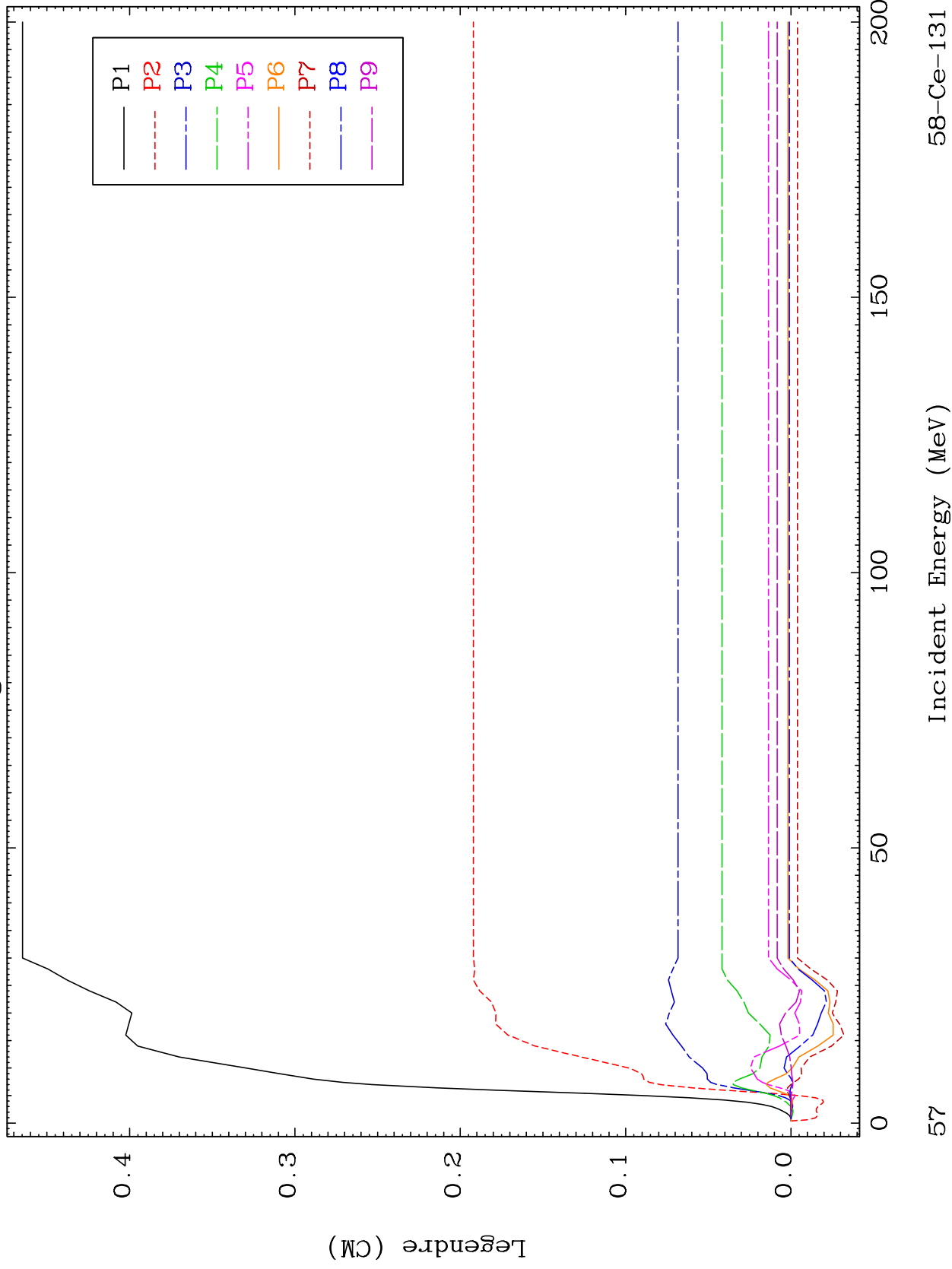




MAT 5810

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

58-Ce-131

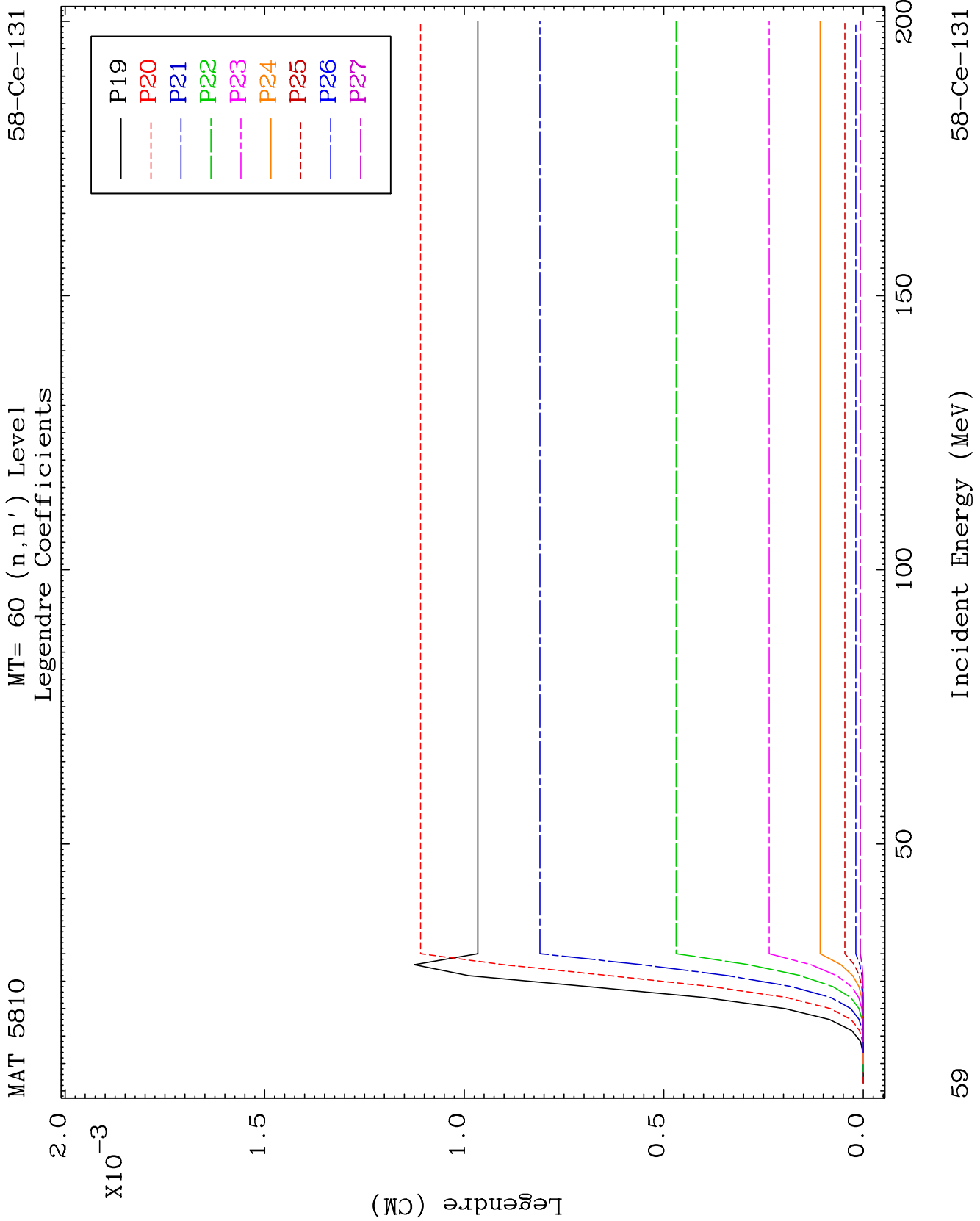


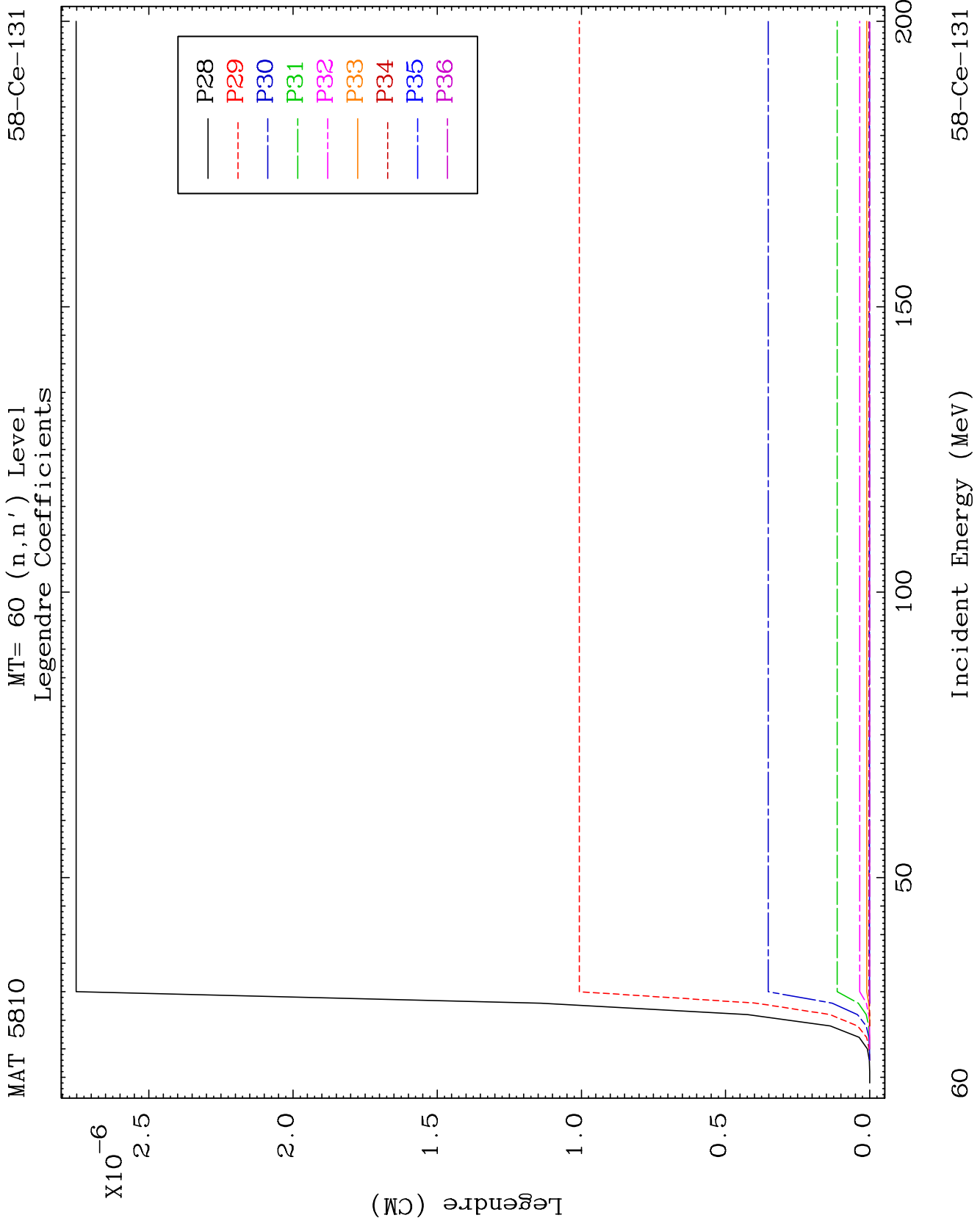
58-Ce-131

Incident Energy (MeV)

57



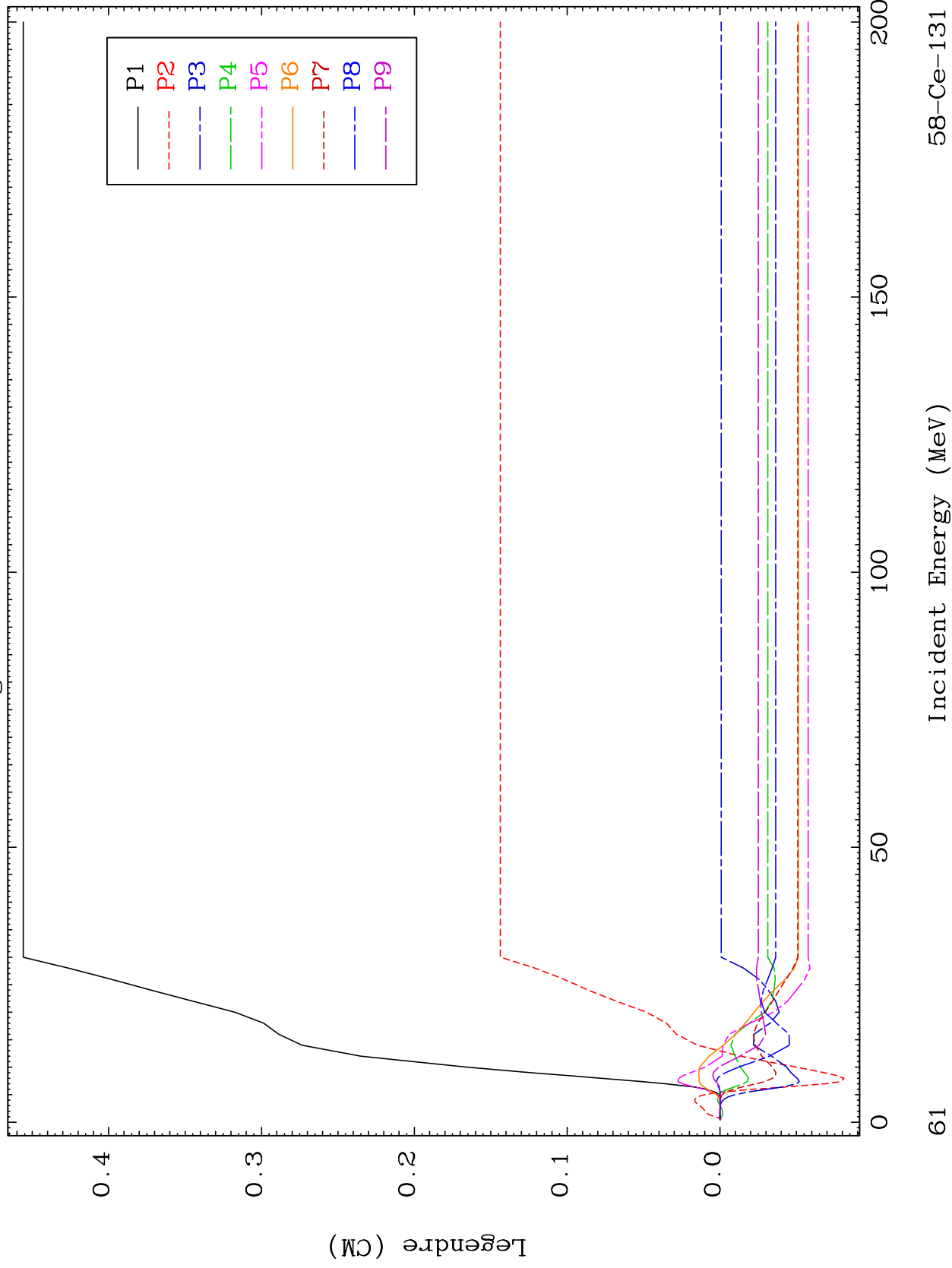




MAT 5810

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

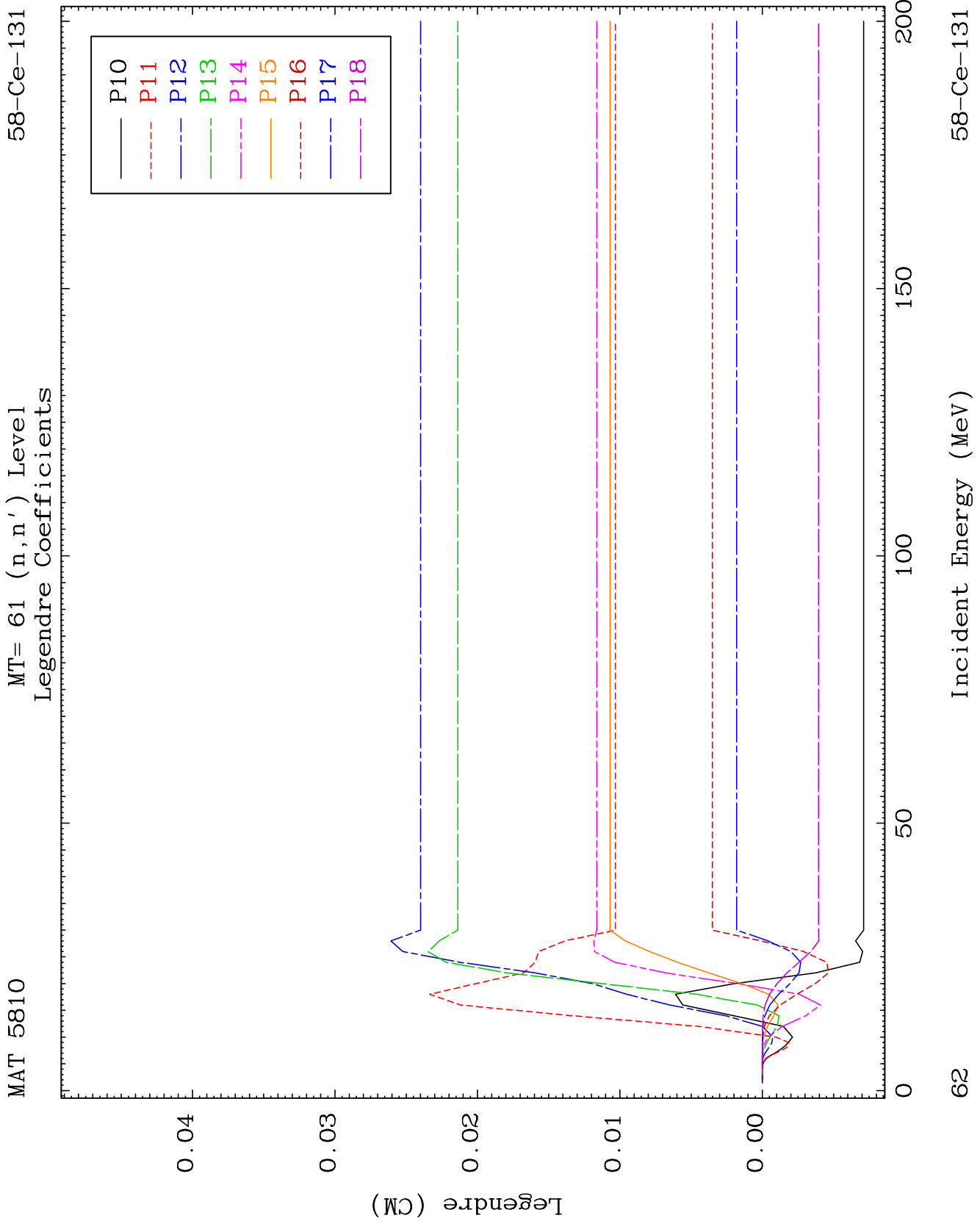
58-Ce-131



58-Ce-131

Incident Energy (MeV)

61



58-Ce-131

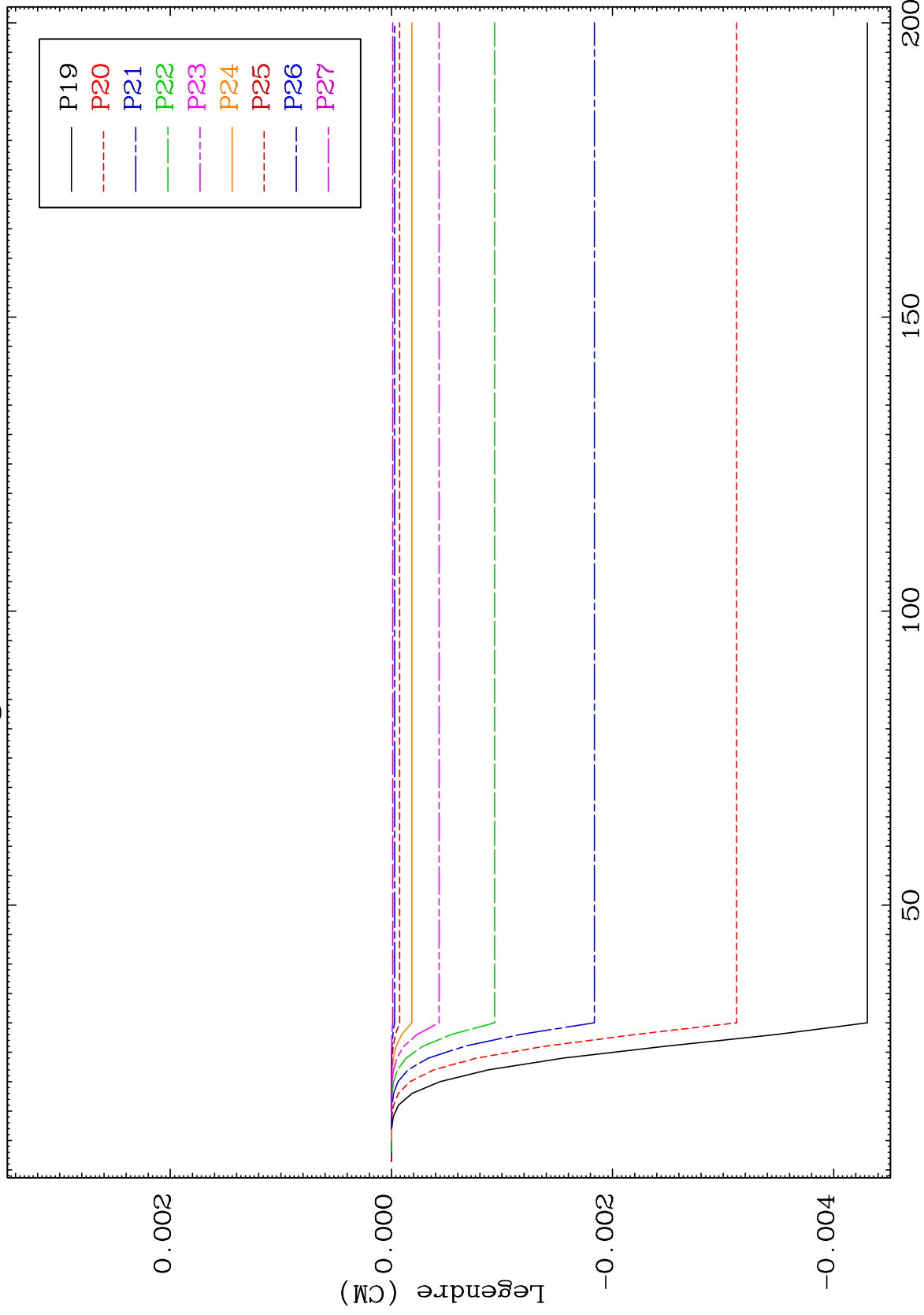
Incident Energy (MeV)

62

MAT 5810

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

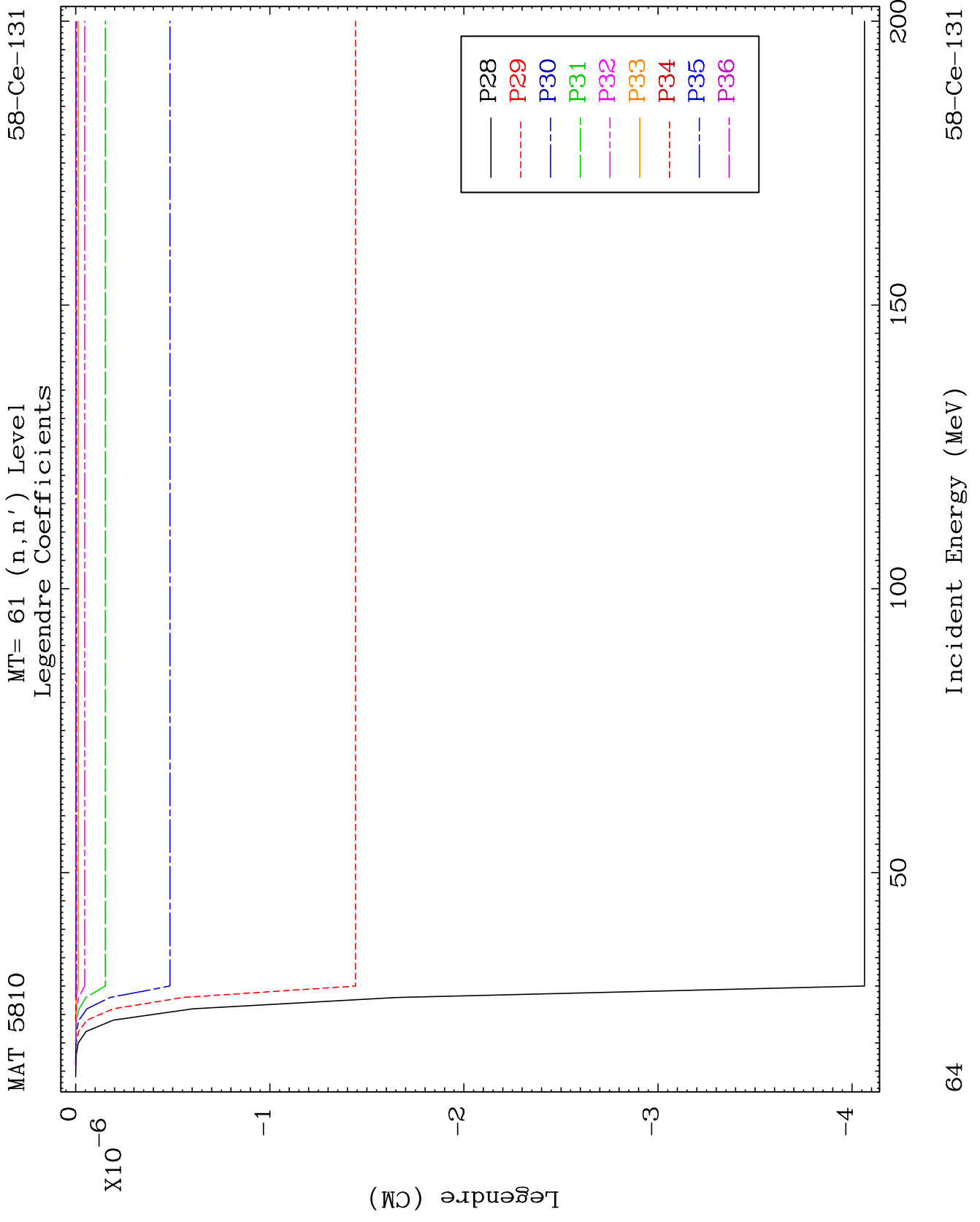
58-Ce-131

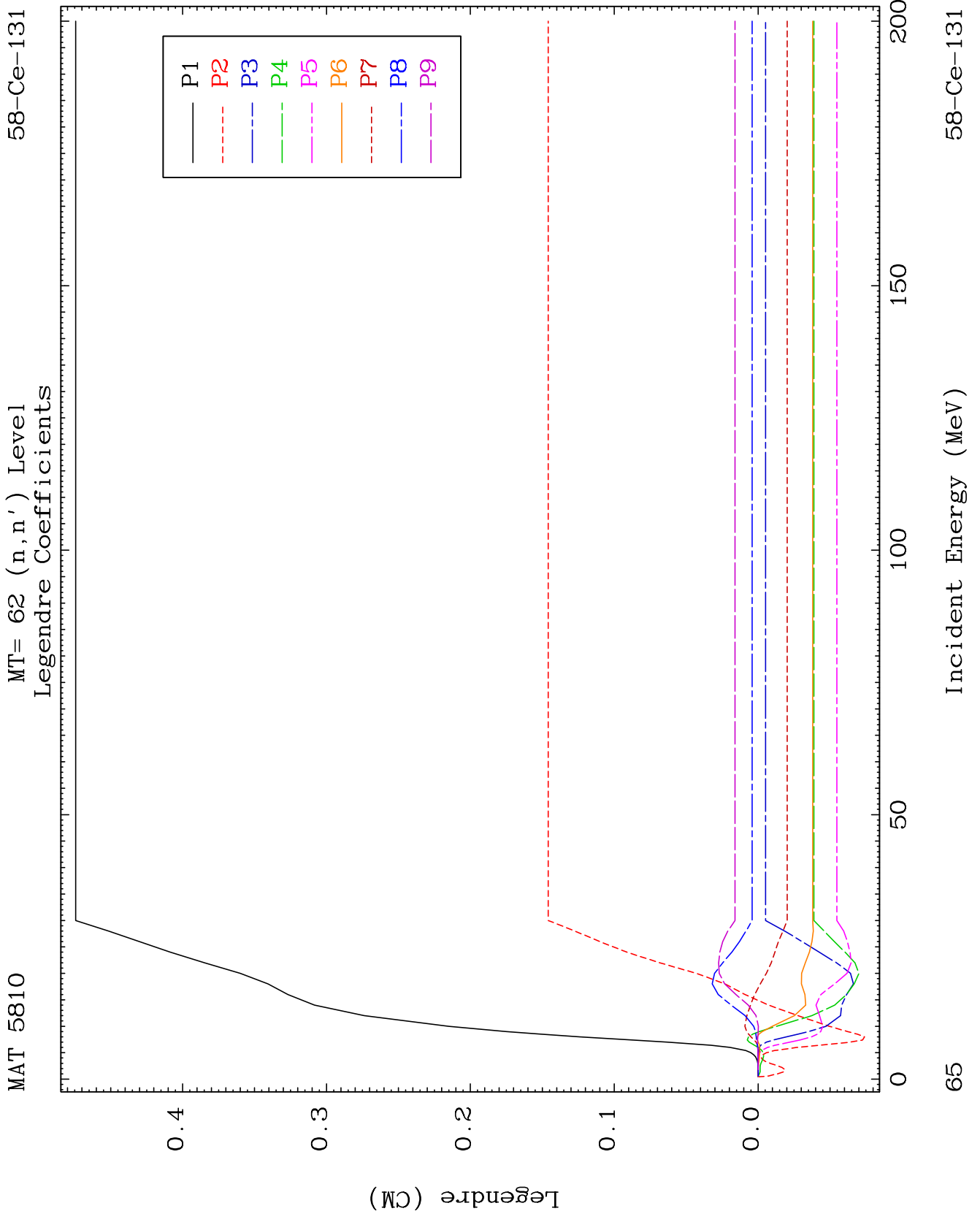


63

Incident Energy (MeV)

58-Ce-131

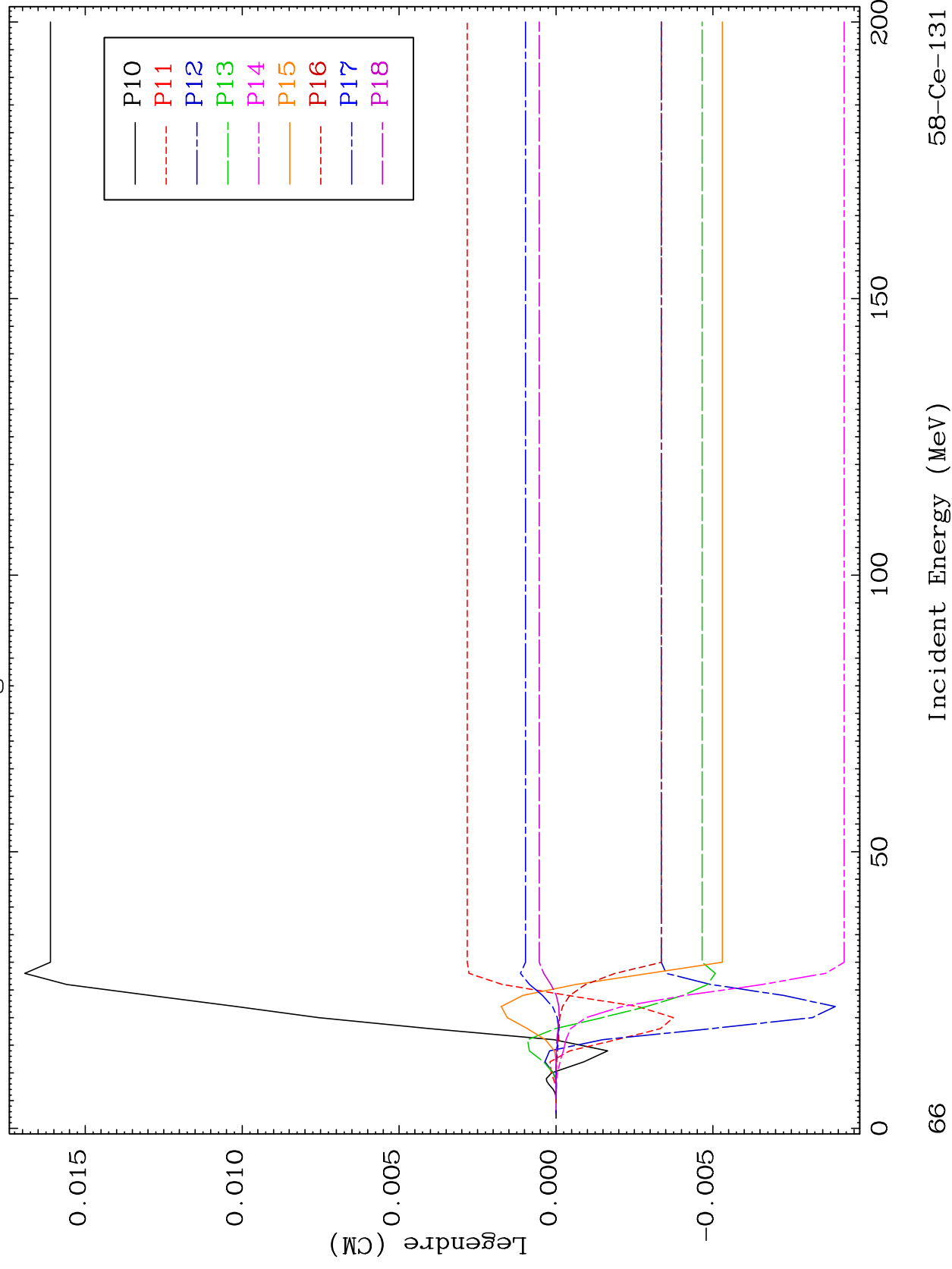




MAT 5810

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

58-Ce-131



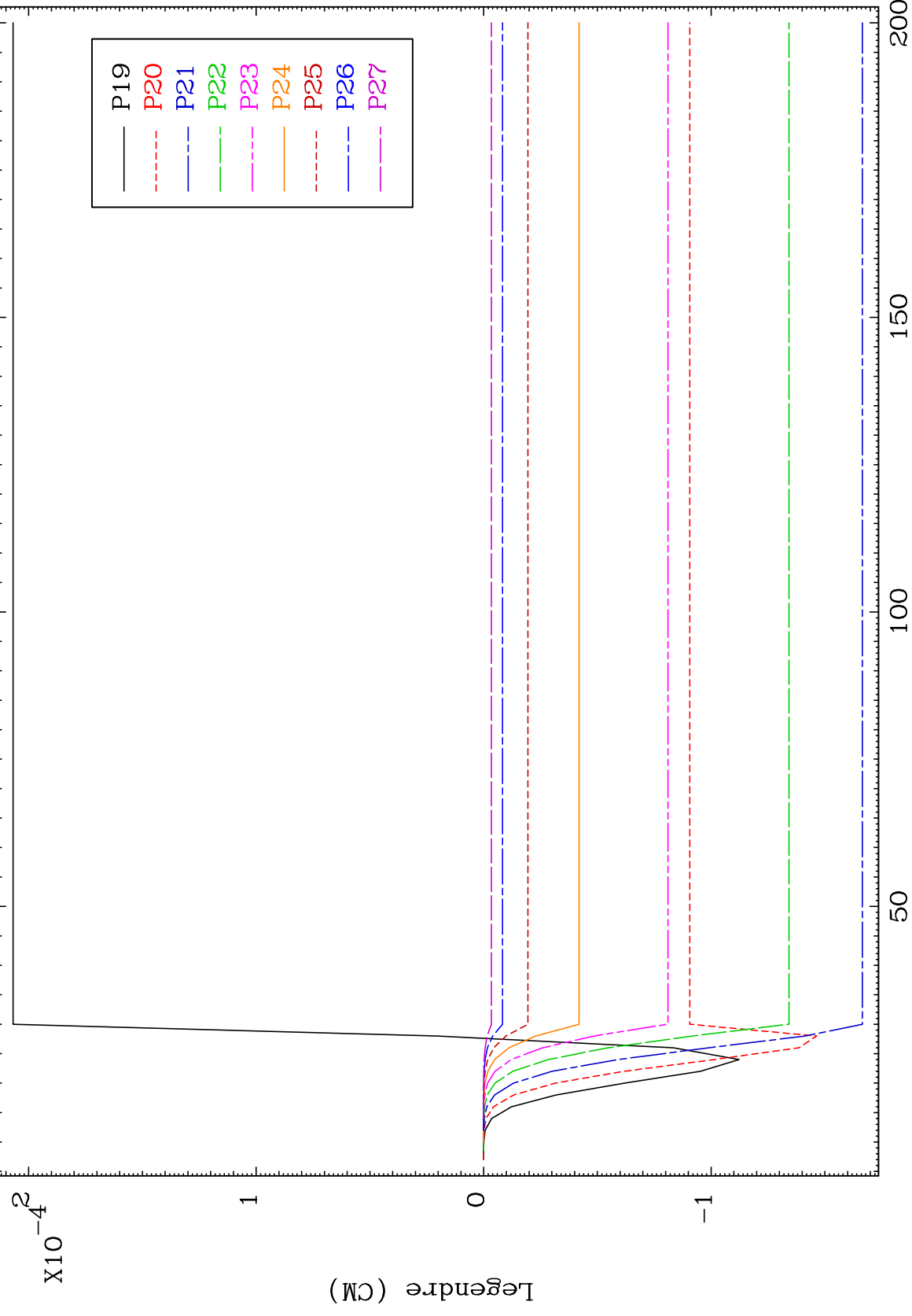
66

58-Ce-131

MAT 5810

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

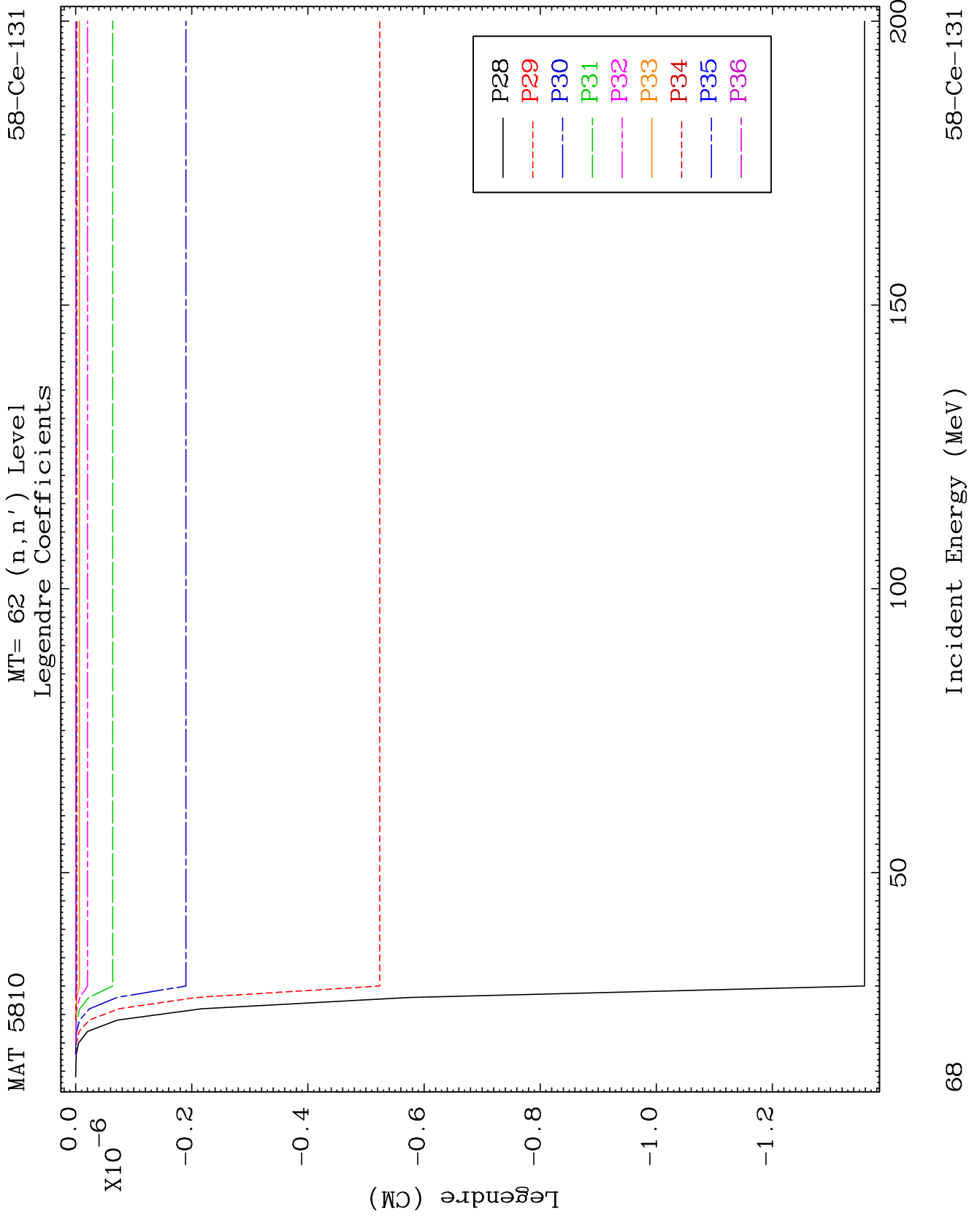
58-Ce-131



67

Incident Energy (MeV)

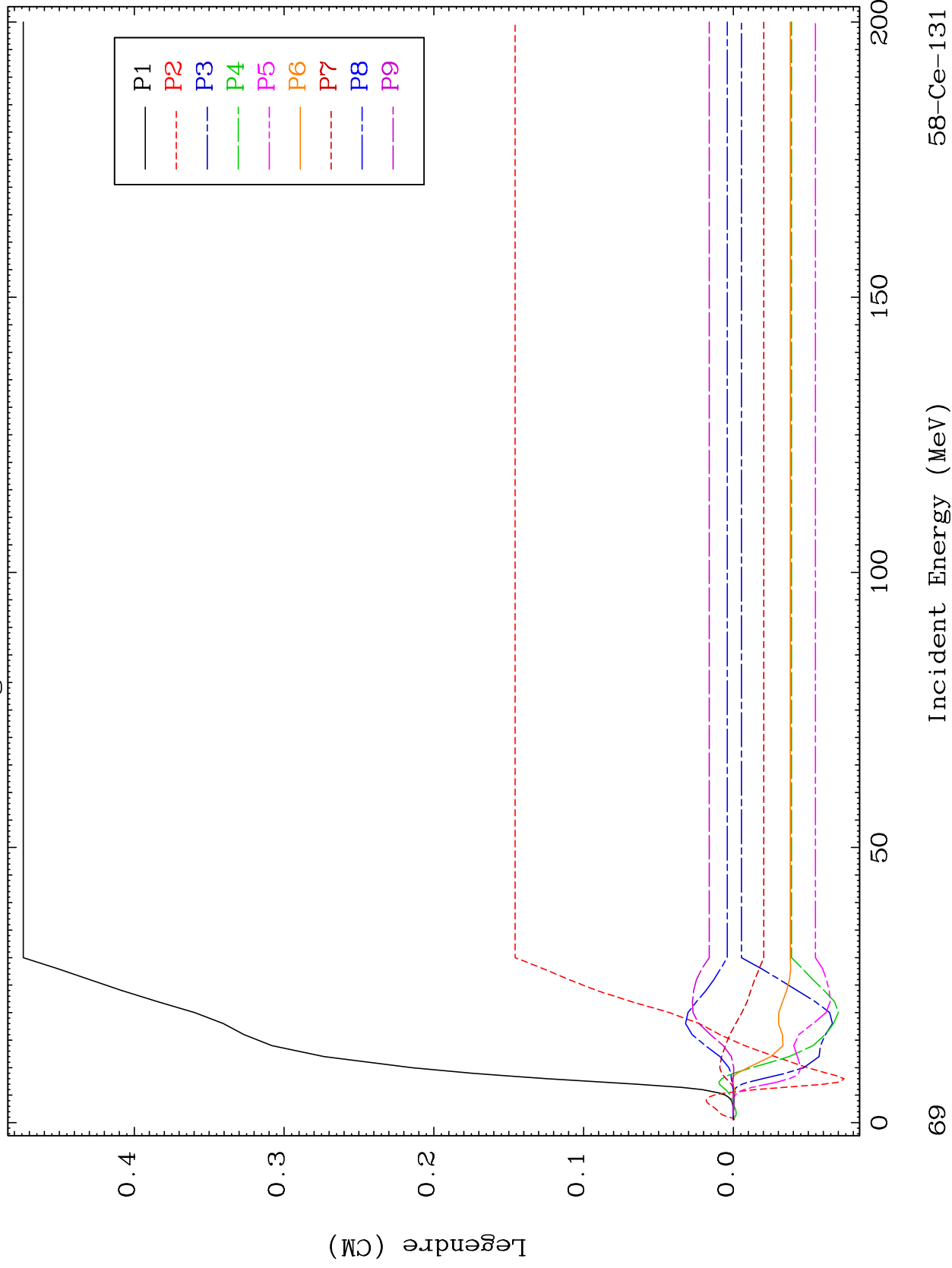
58-Ce-131



MAT 5810

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

58-Ce-131



58-Ce-131

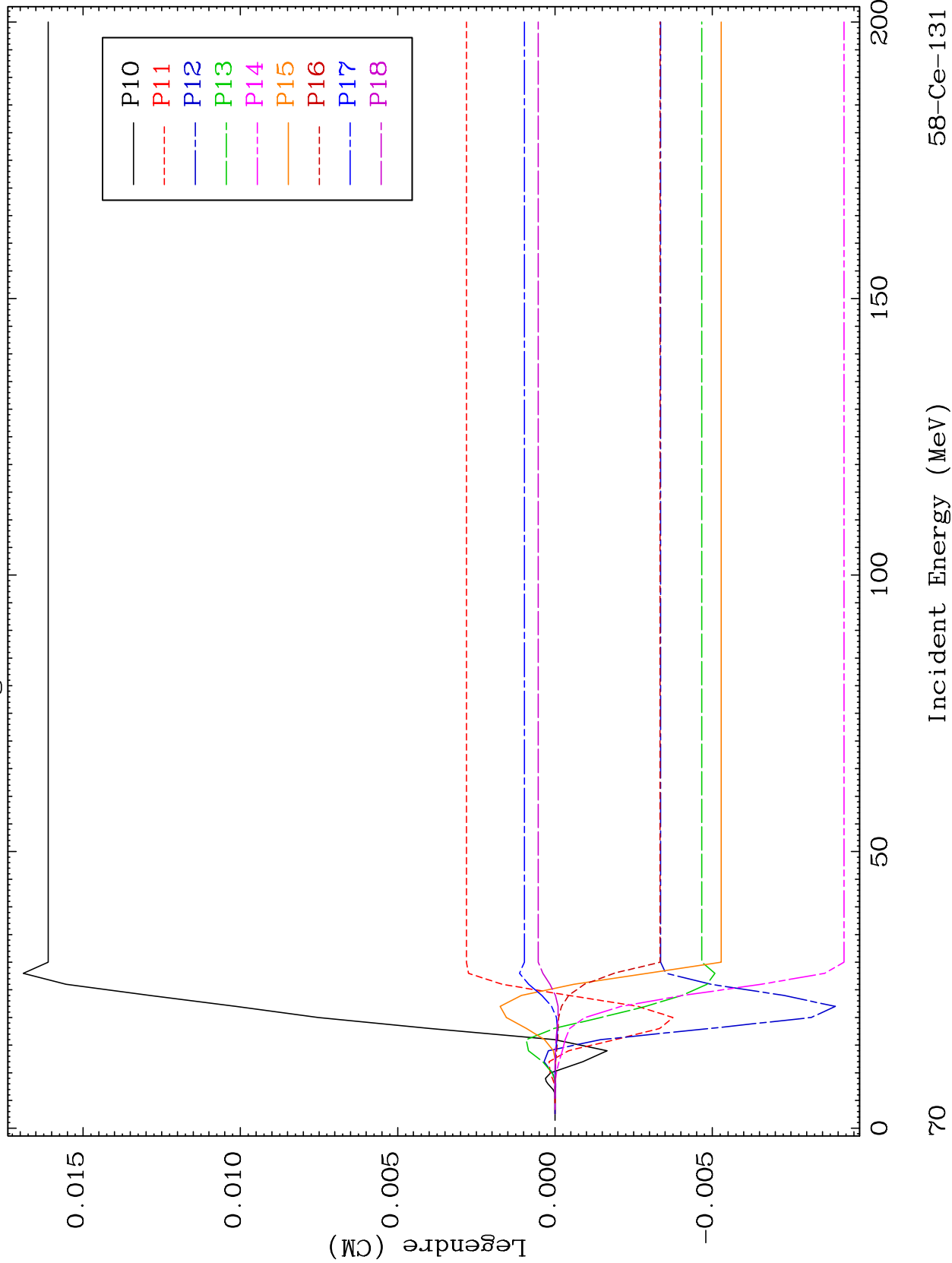
Incident Energy (MeV)

69

MAT 5810

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

58-Ce-131



58-Ce-131

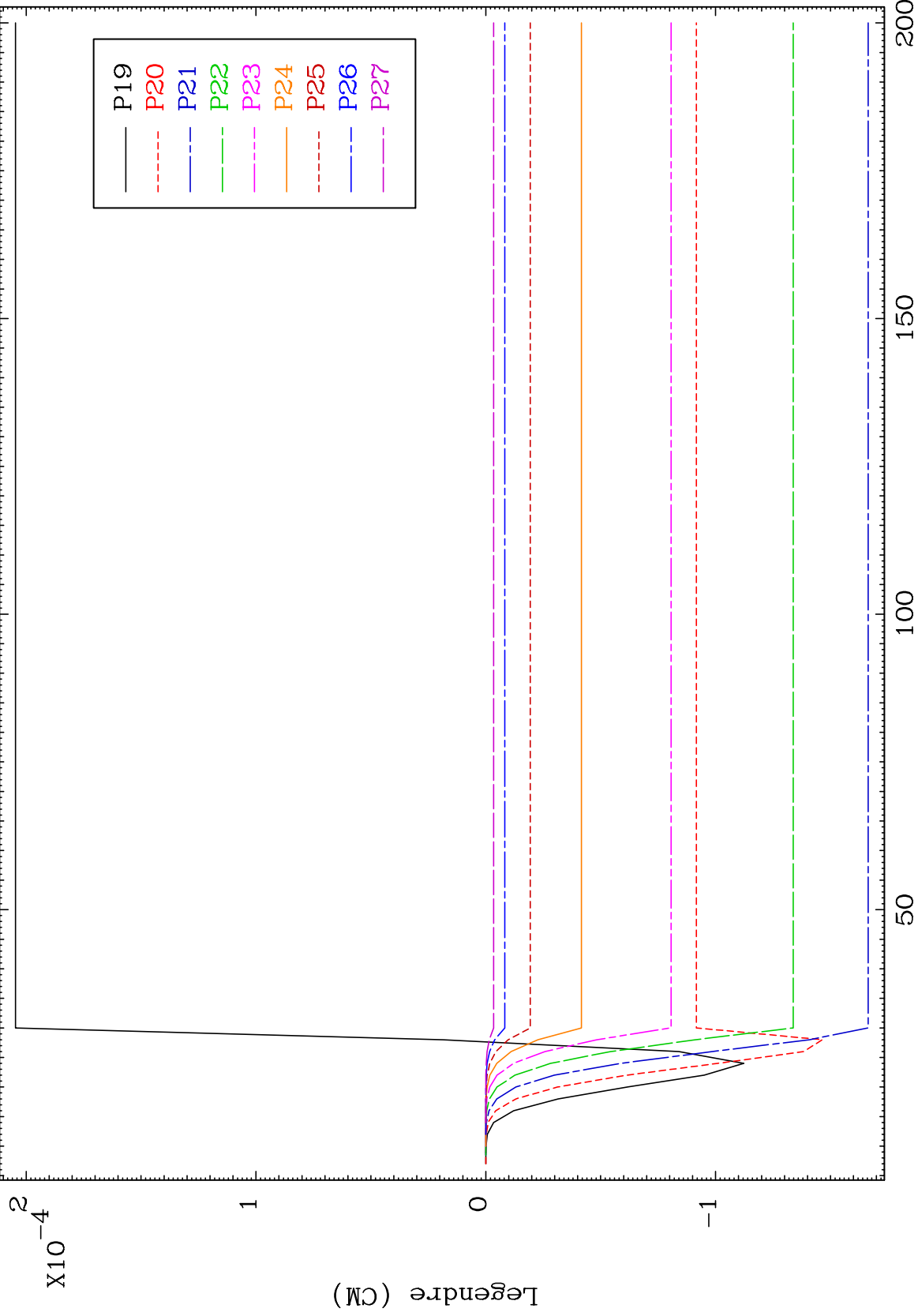
Incident Energy (MeV)

70

MAT 5810

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

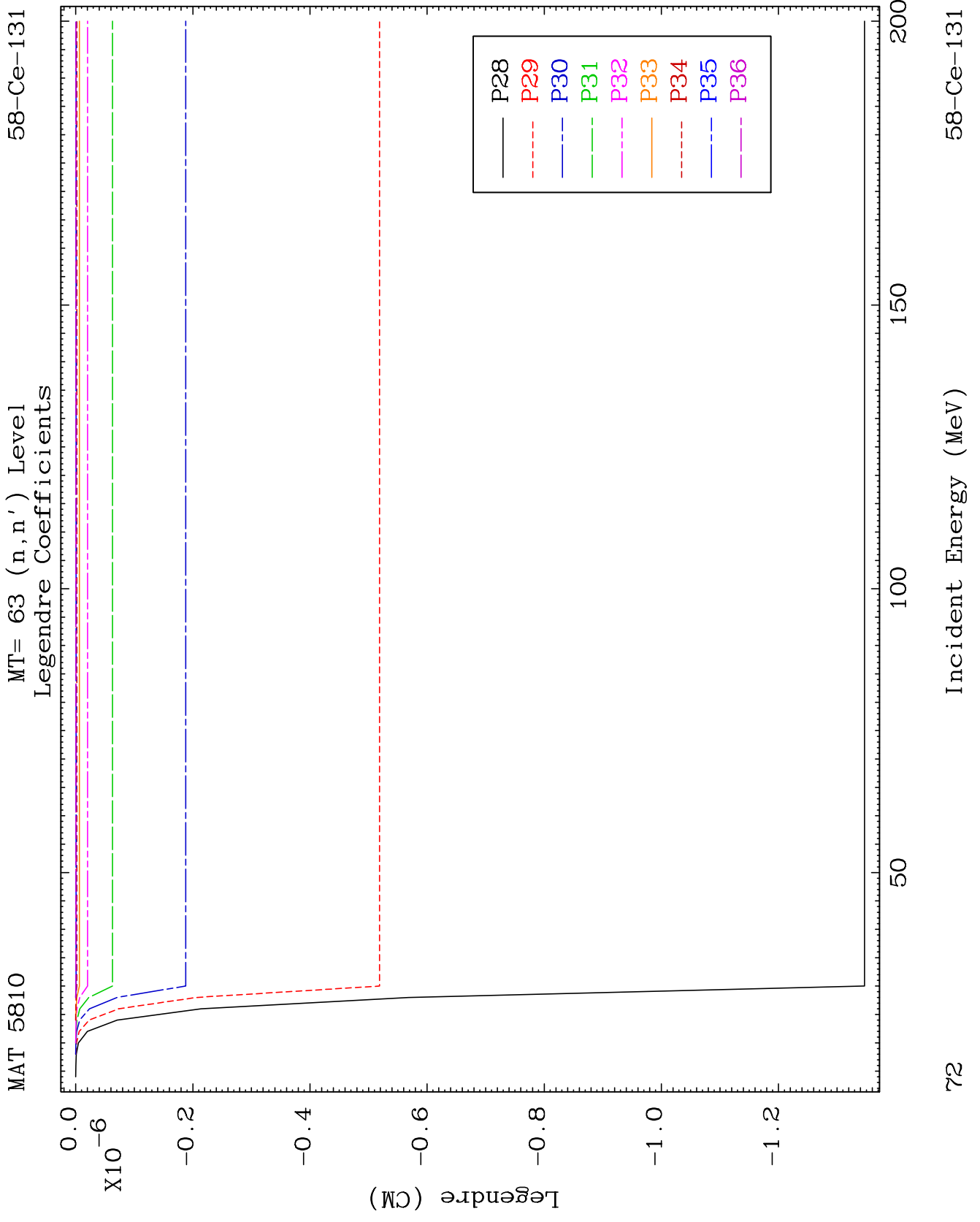
58-Ce-131



71

Incident Energy (MeV)

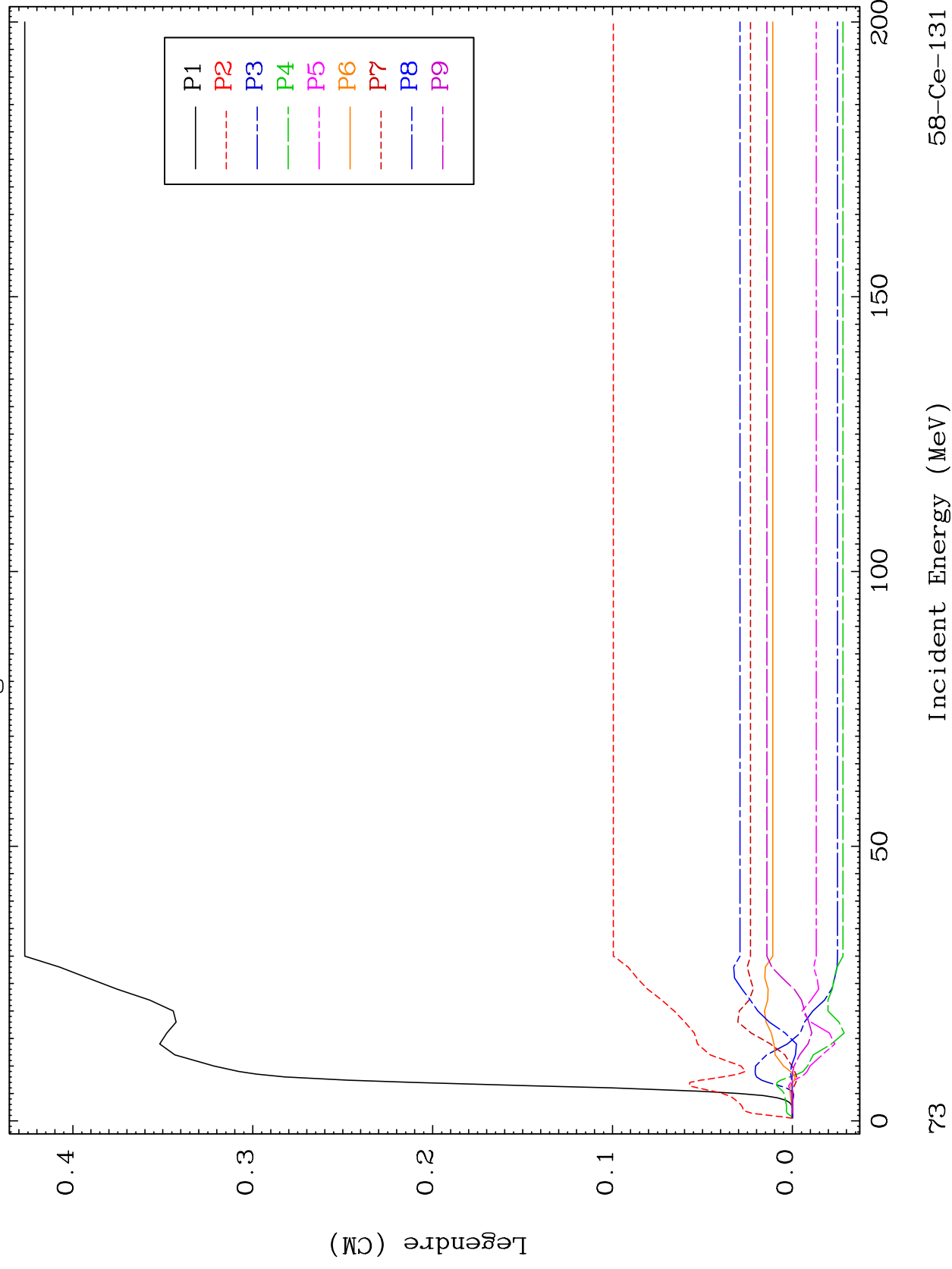
58-Ce-131



MAT 5810

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

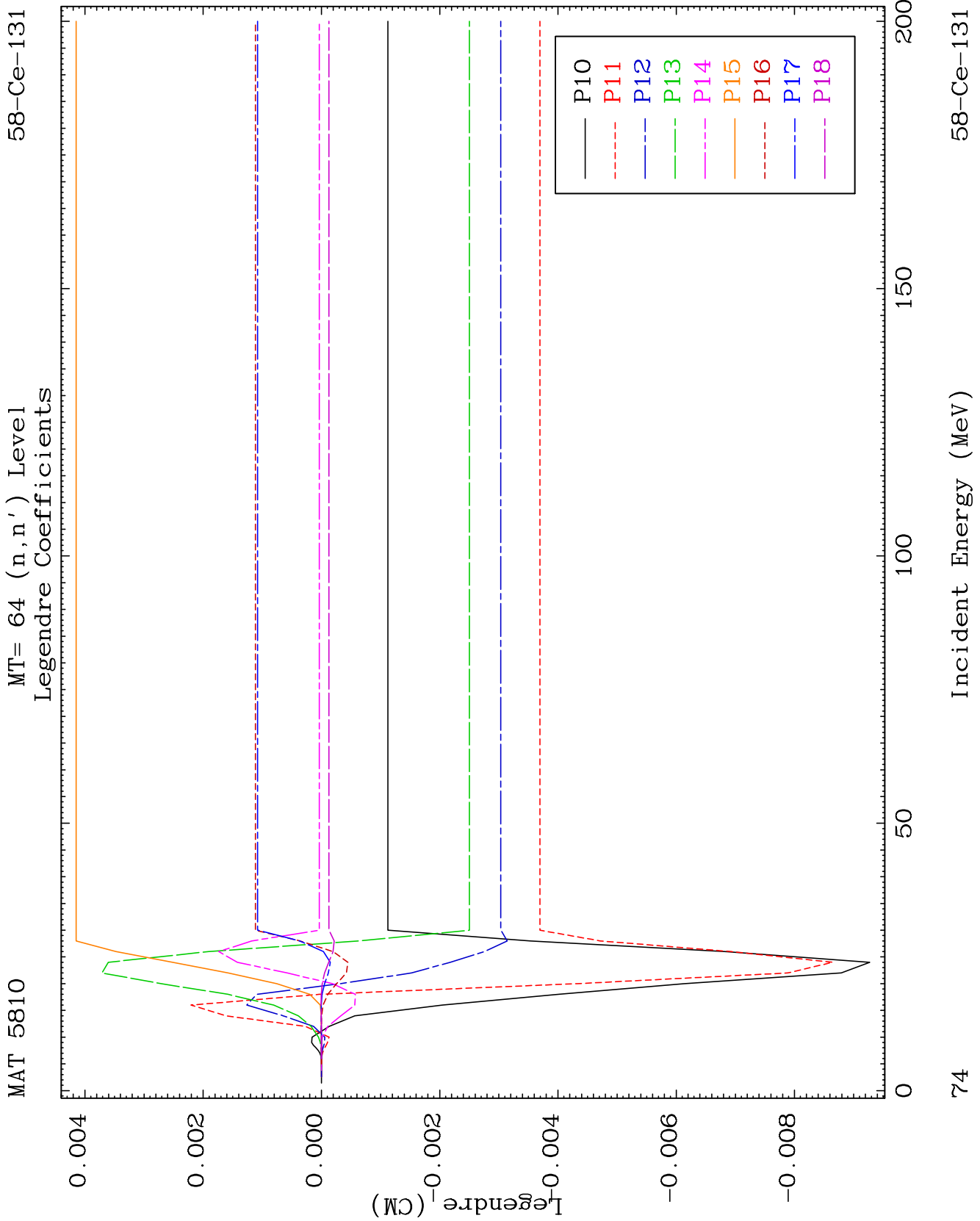
58-Ce-131



73

Incident Energy (MeV)

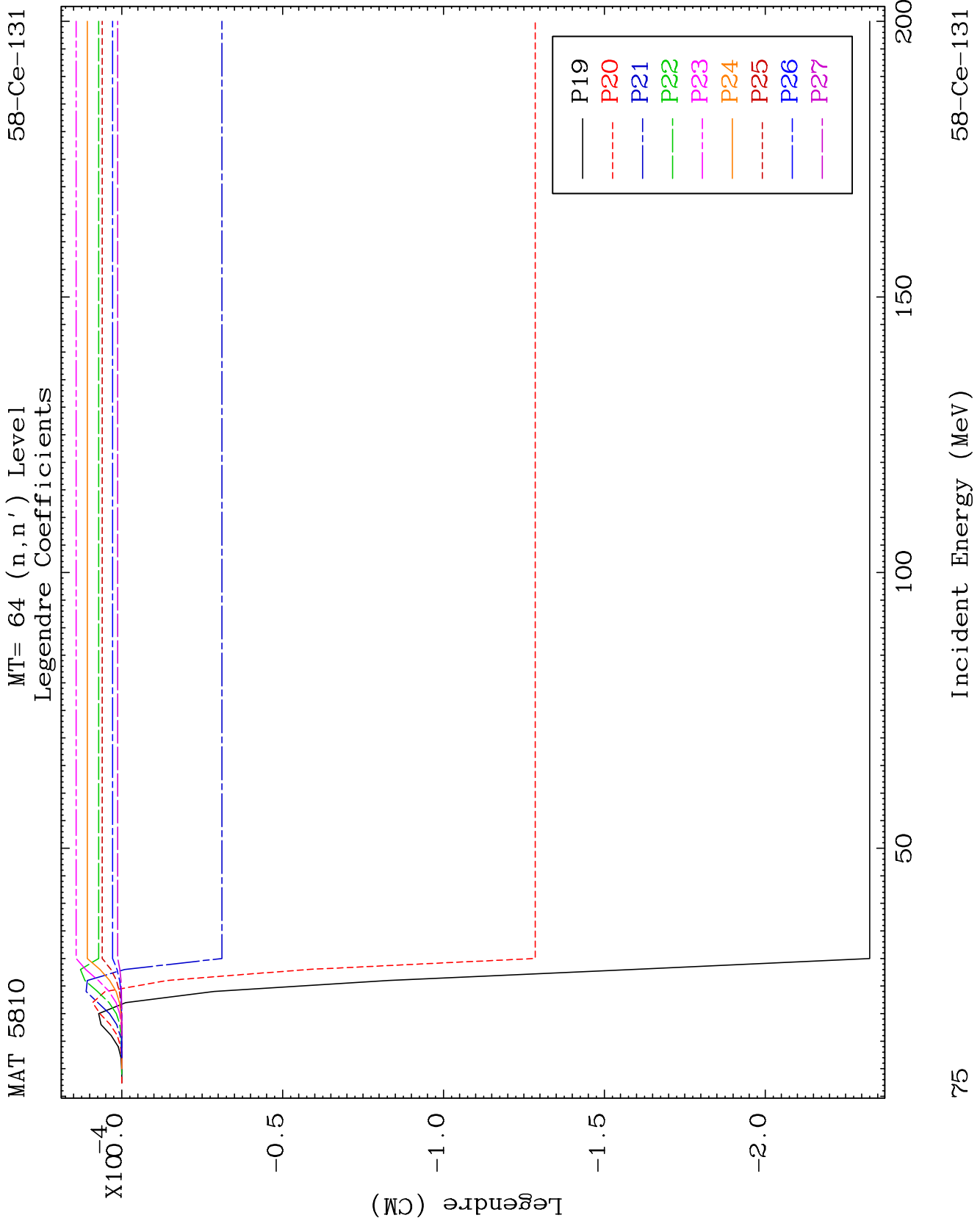
58-Ce-131



58-Ce-131

Incident Energy (MeV)

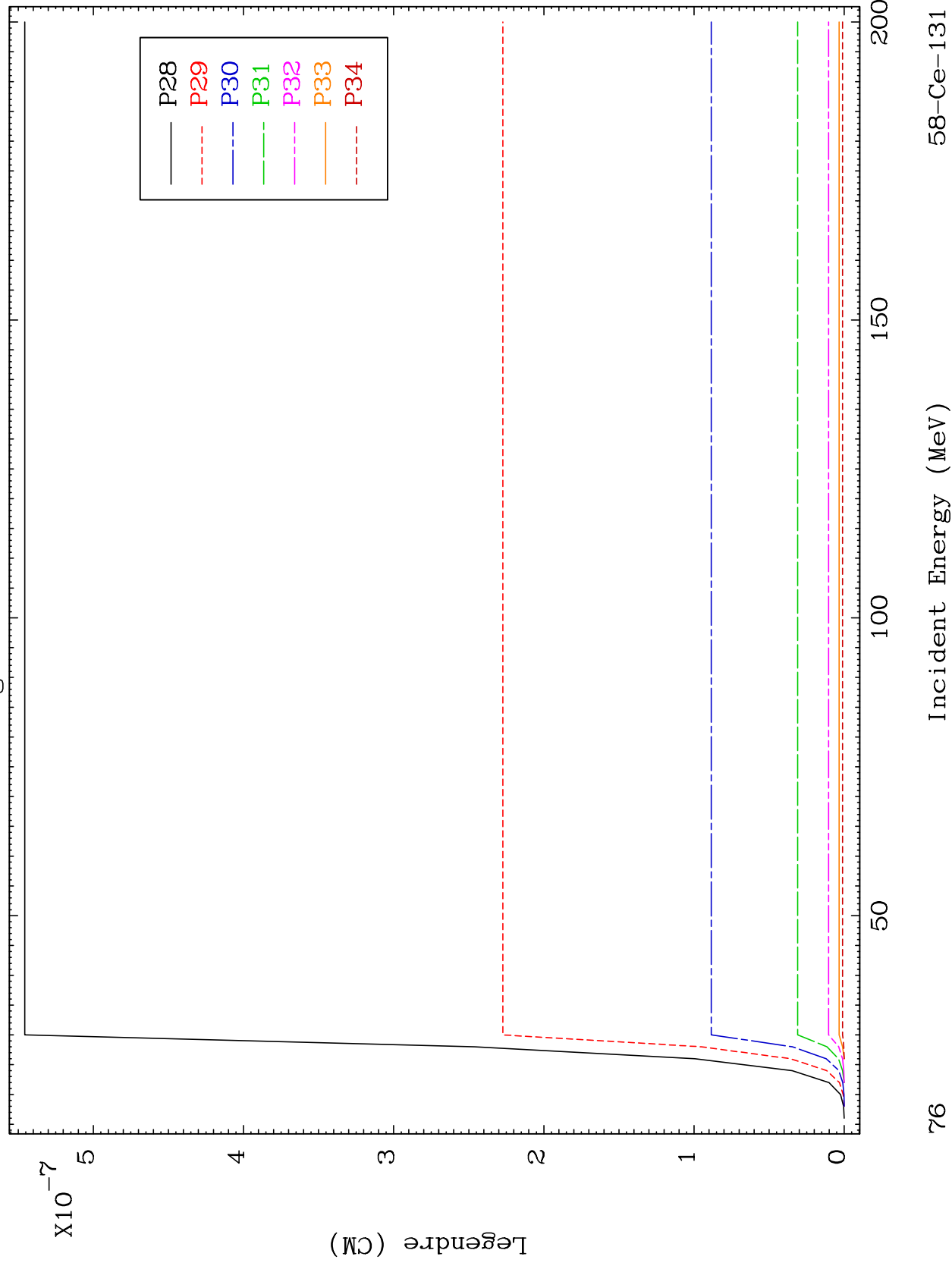
74



MAT 5810

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

58-Ce-131



76

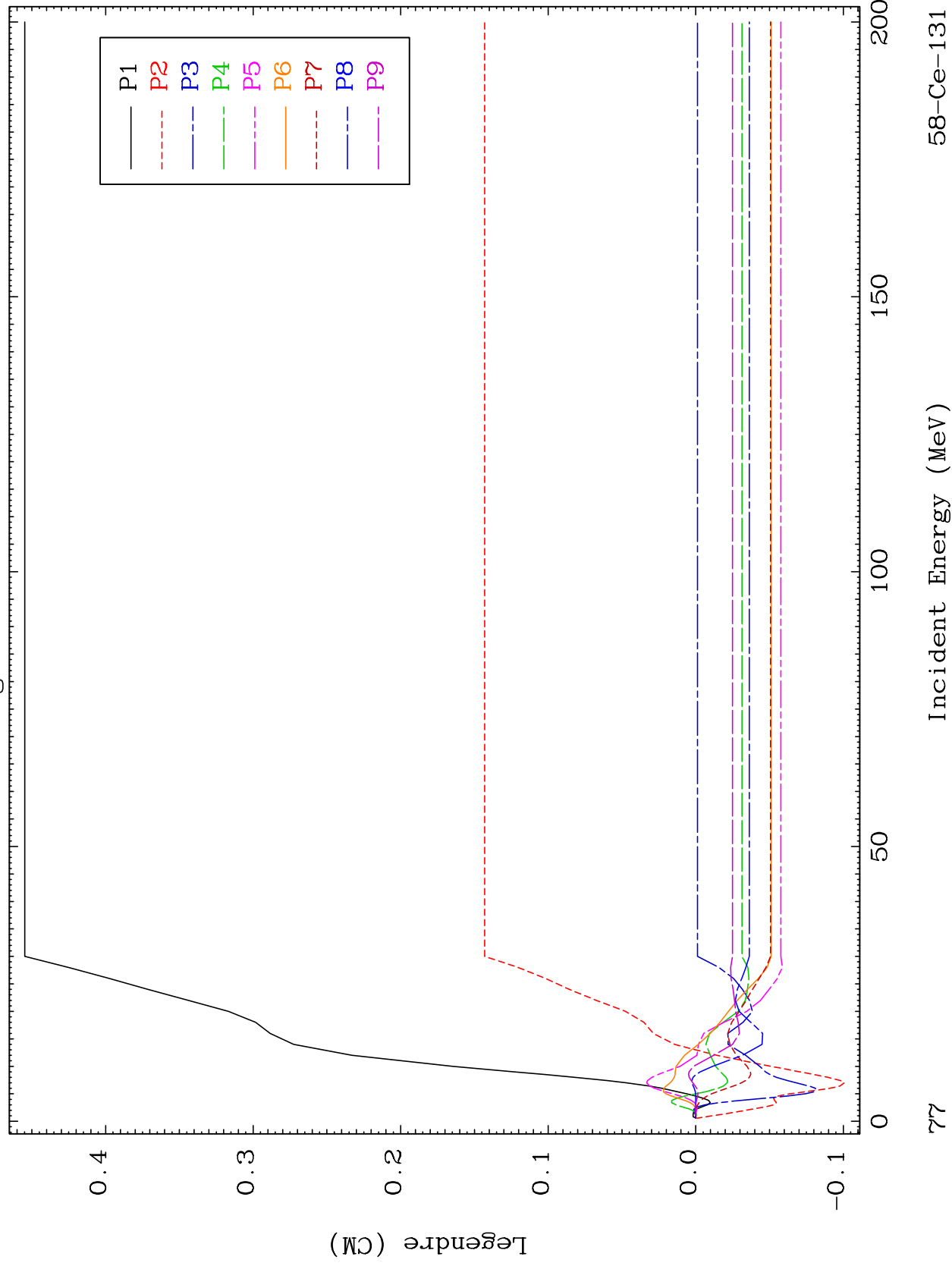
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

58-Ce-131



58-Ce-131

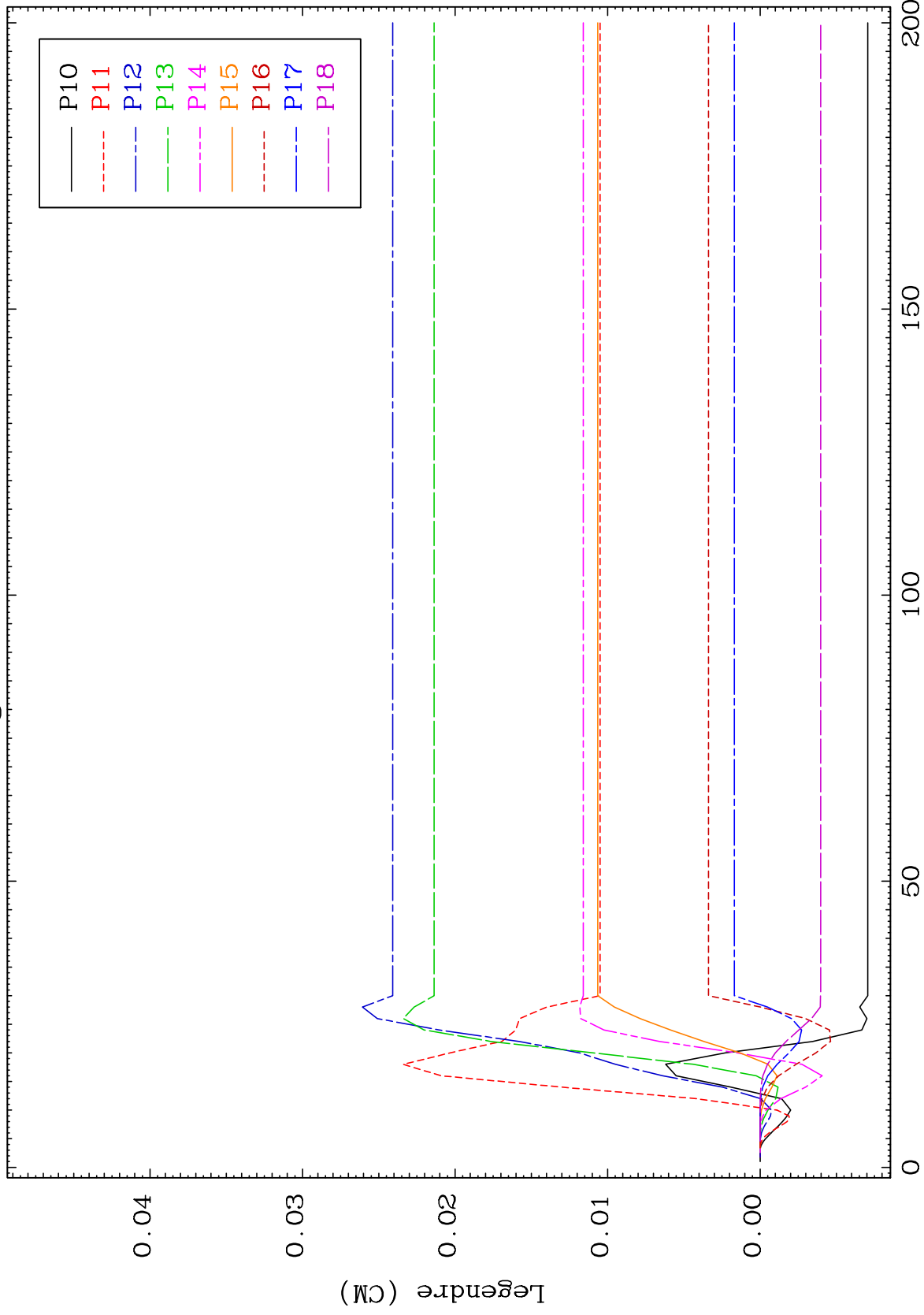
Incident Energy (MeV)

77

MAT 5810

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

58-Ce-131



78

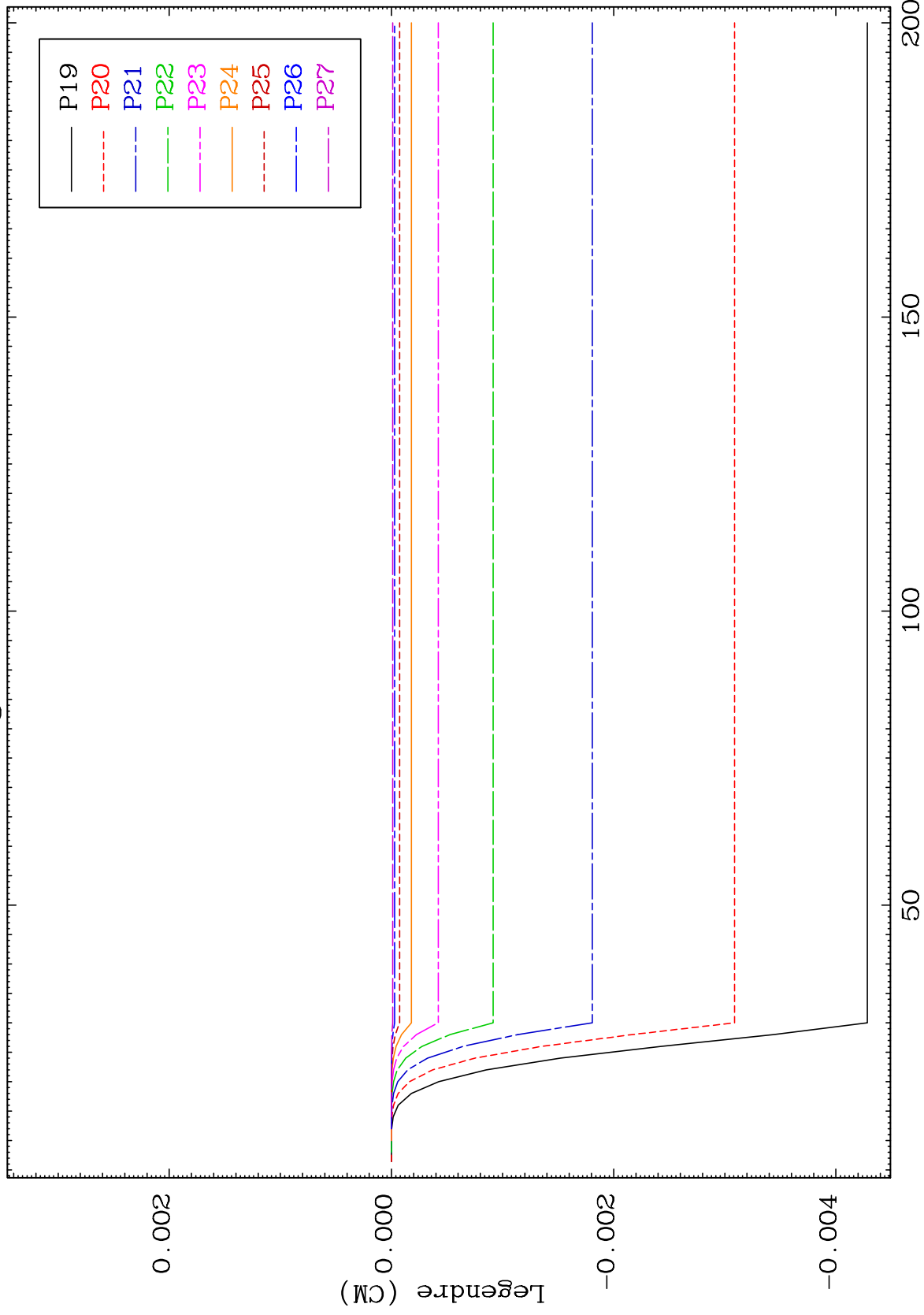
Incident Energy (MeV)

58-Ce-131

MAT 5810

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

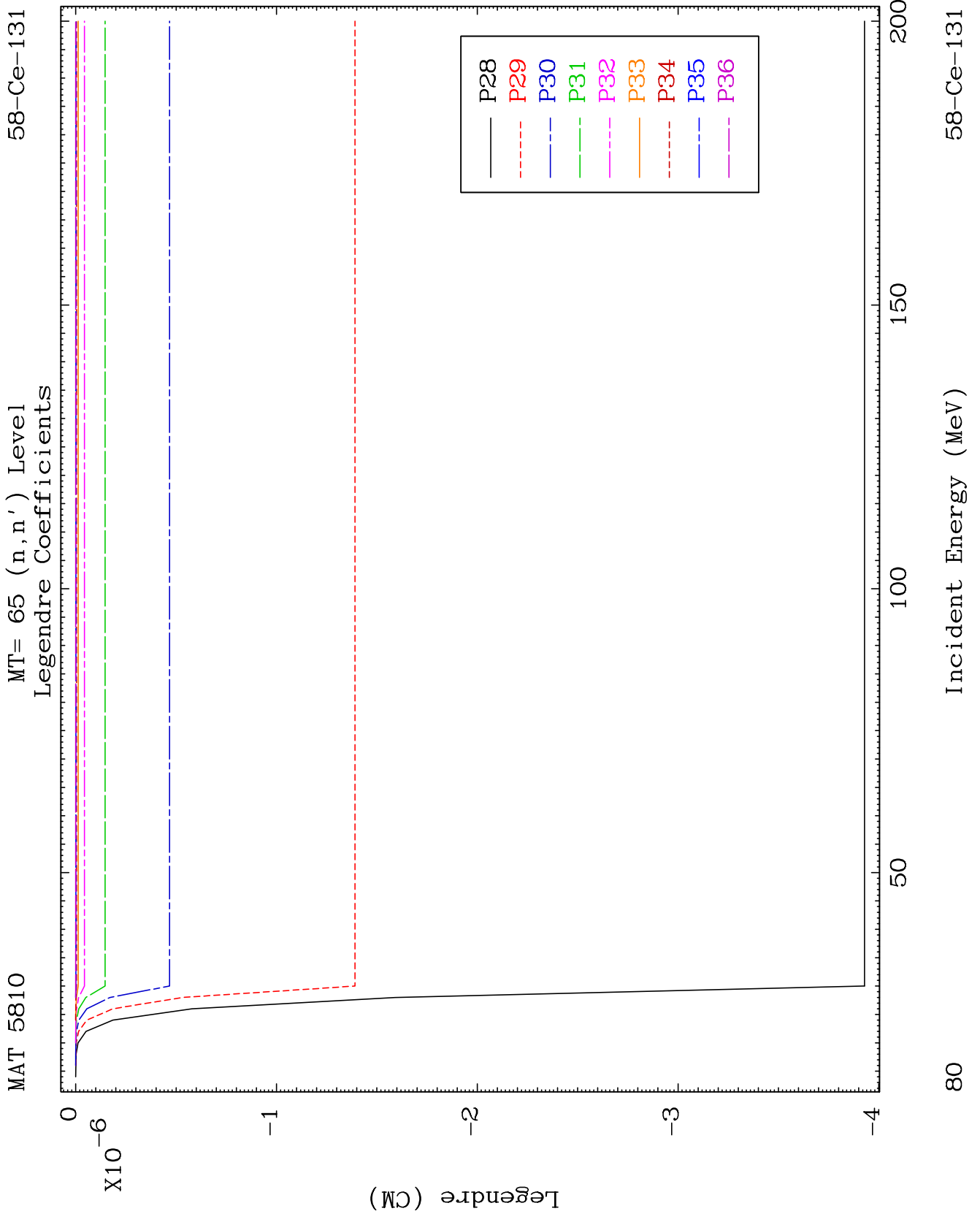
58-Ce-131



79

Incident Energy (MeV)

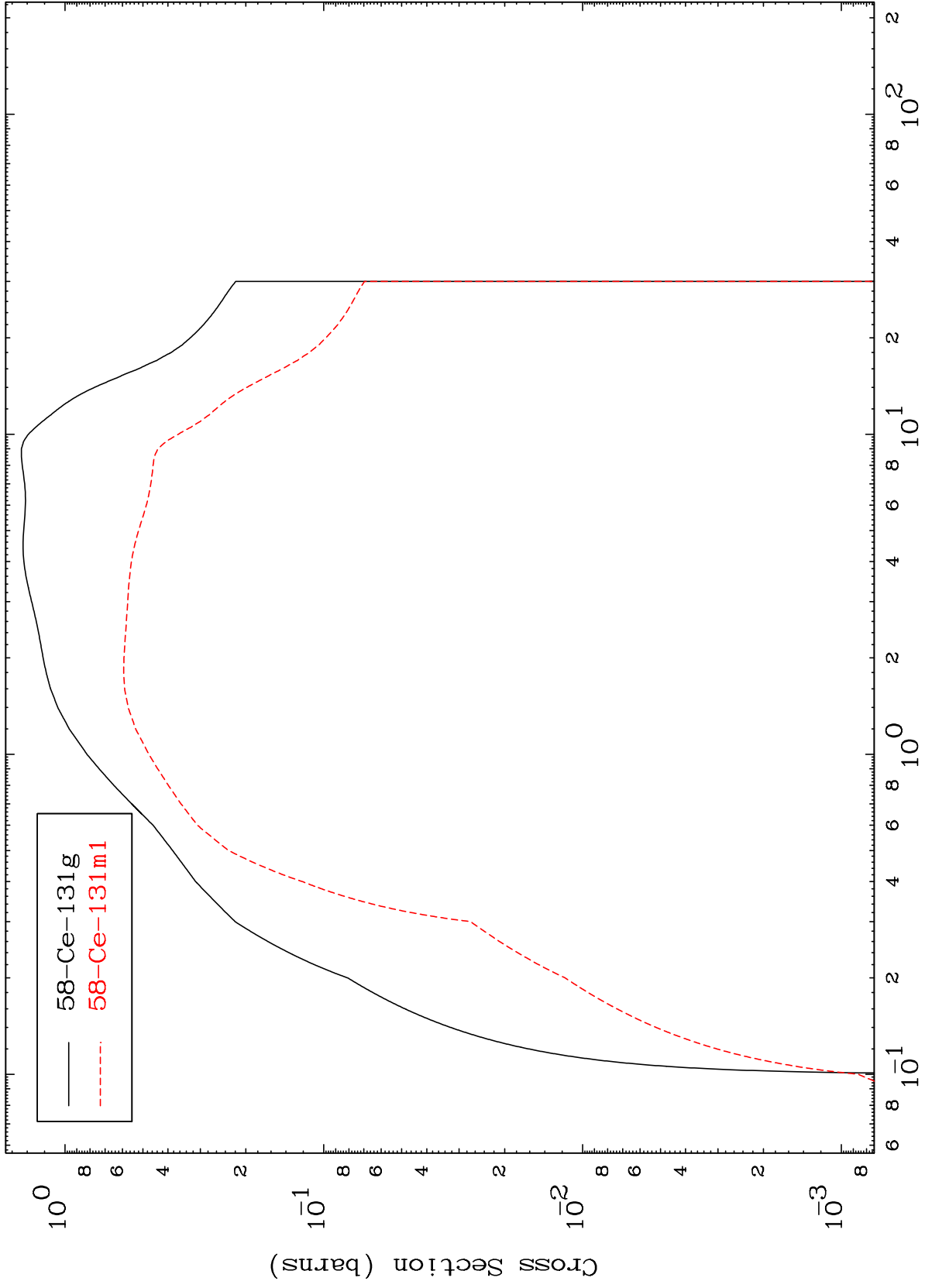
58-Ce-131



MAT 5810

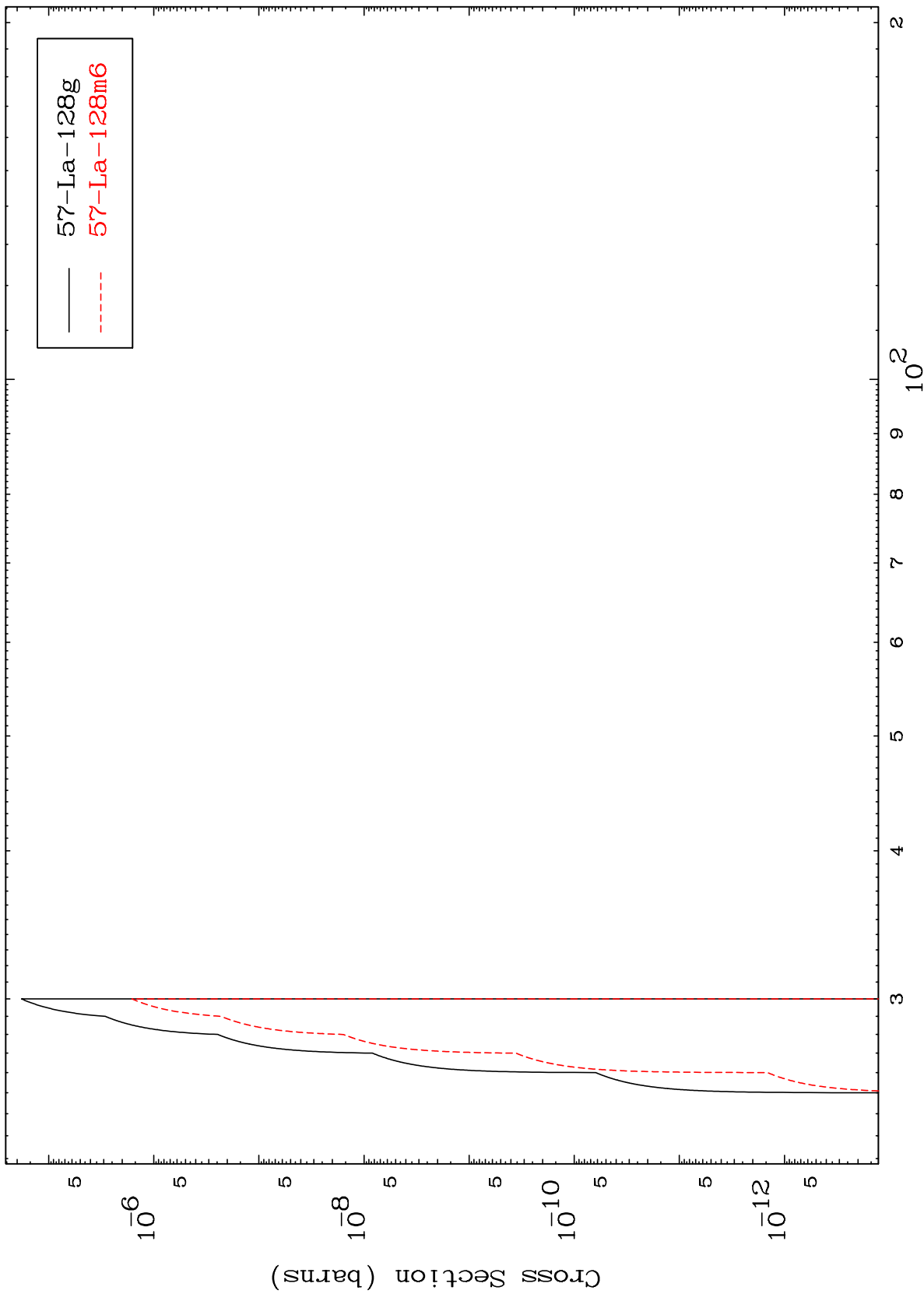
58-Ce-131

Inelastic  
Radionuclide Production Cross Section



58-Ce-131g  
58-Ce-131m1

Radionuclide Production Cross Section

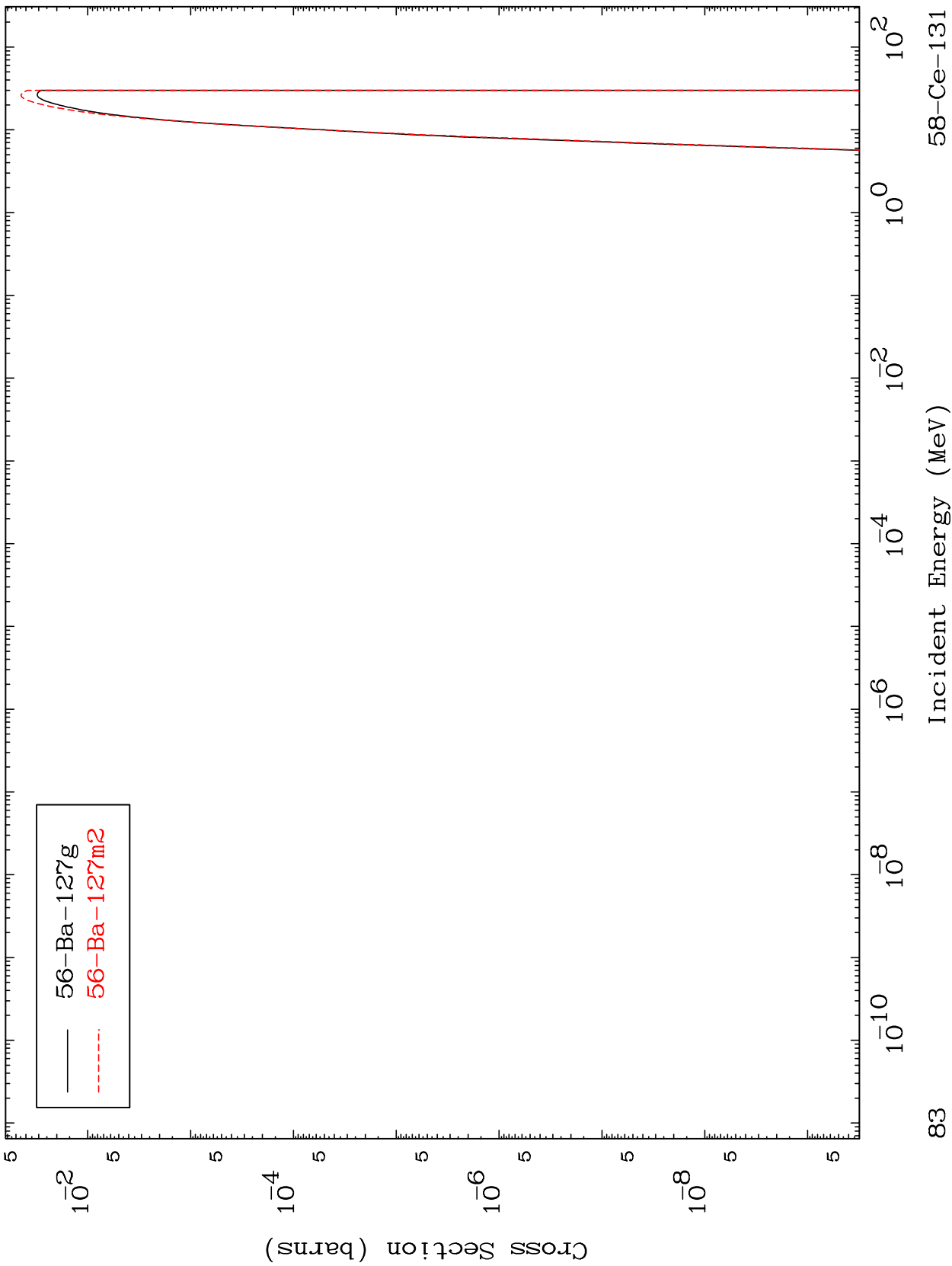


MAT 5810

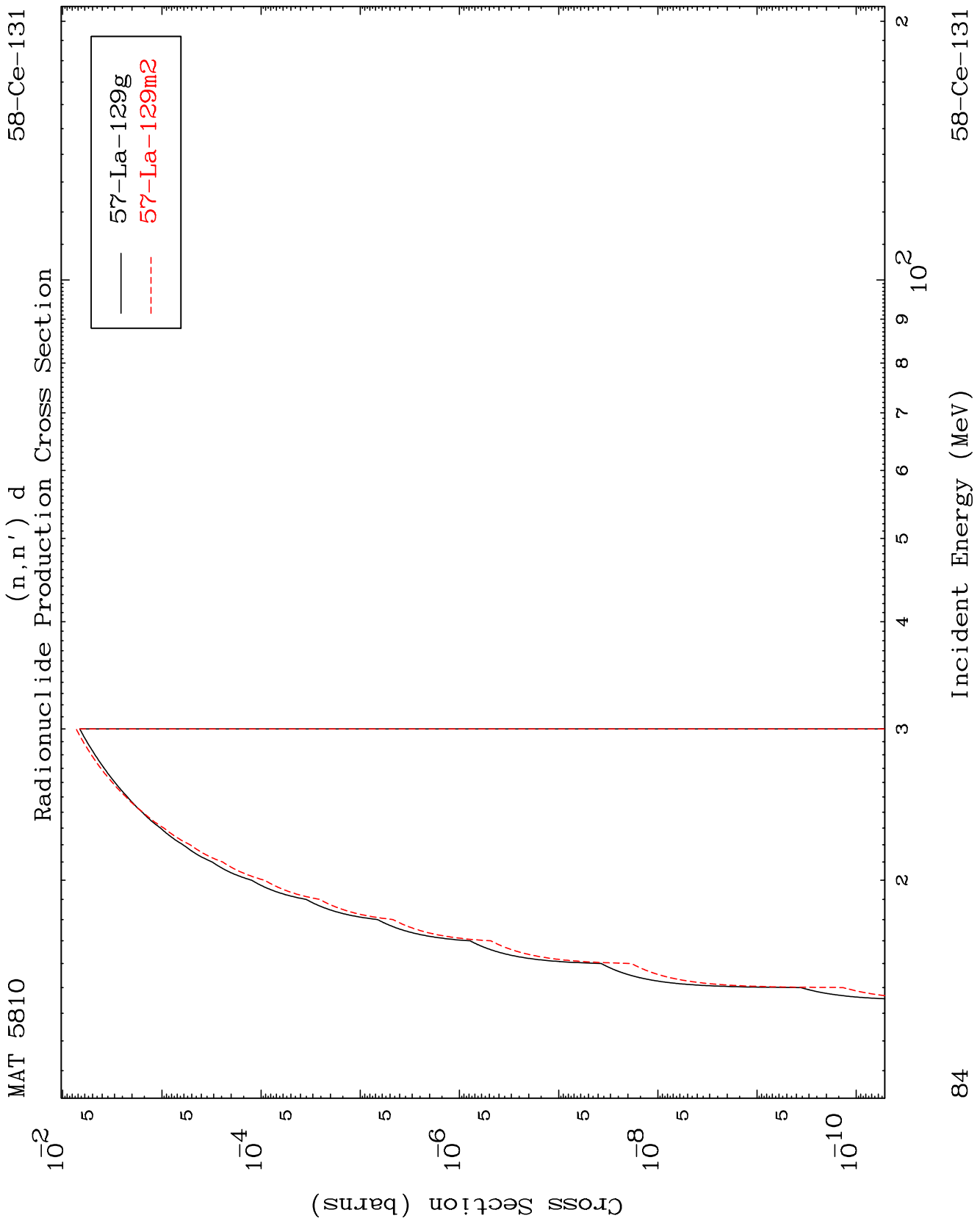
$(n, n')$   $\alpha$

58-Ce-131

Radionuclide Production Cross Section



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

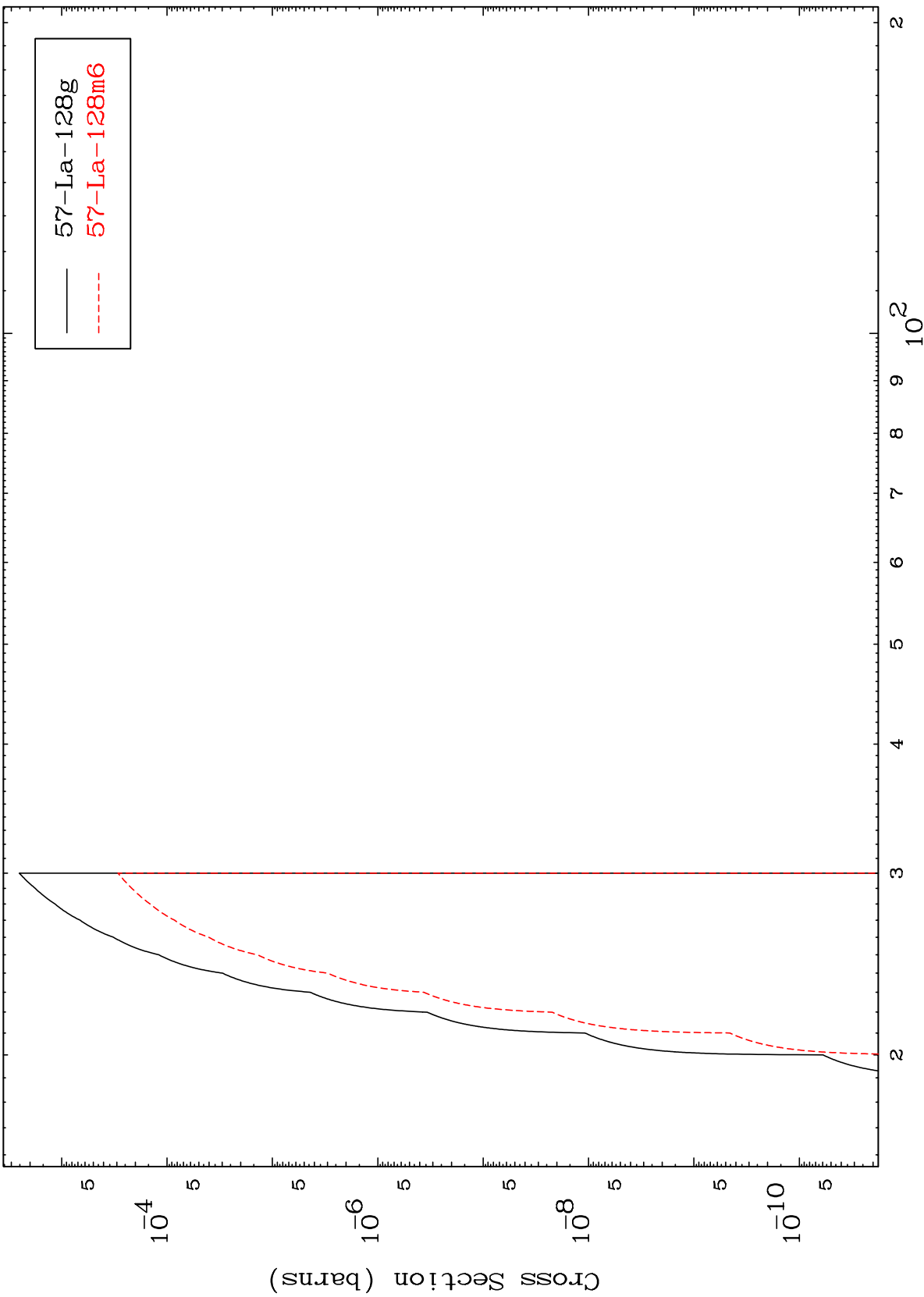


MAT 5810

(n,n') t

58-Ce-131

Radionuclide Production Cross Section

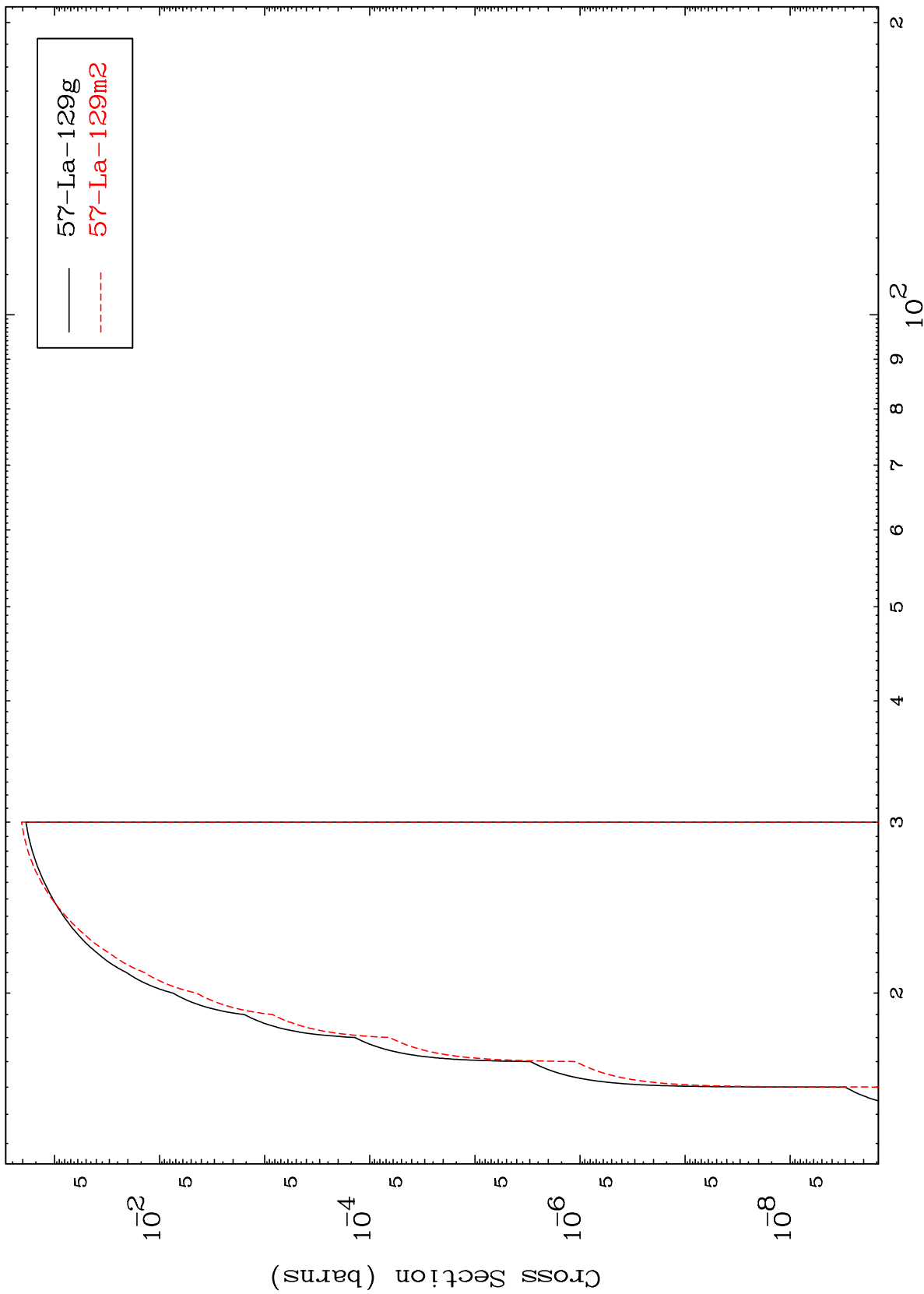


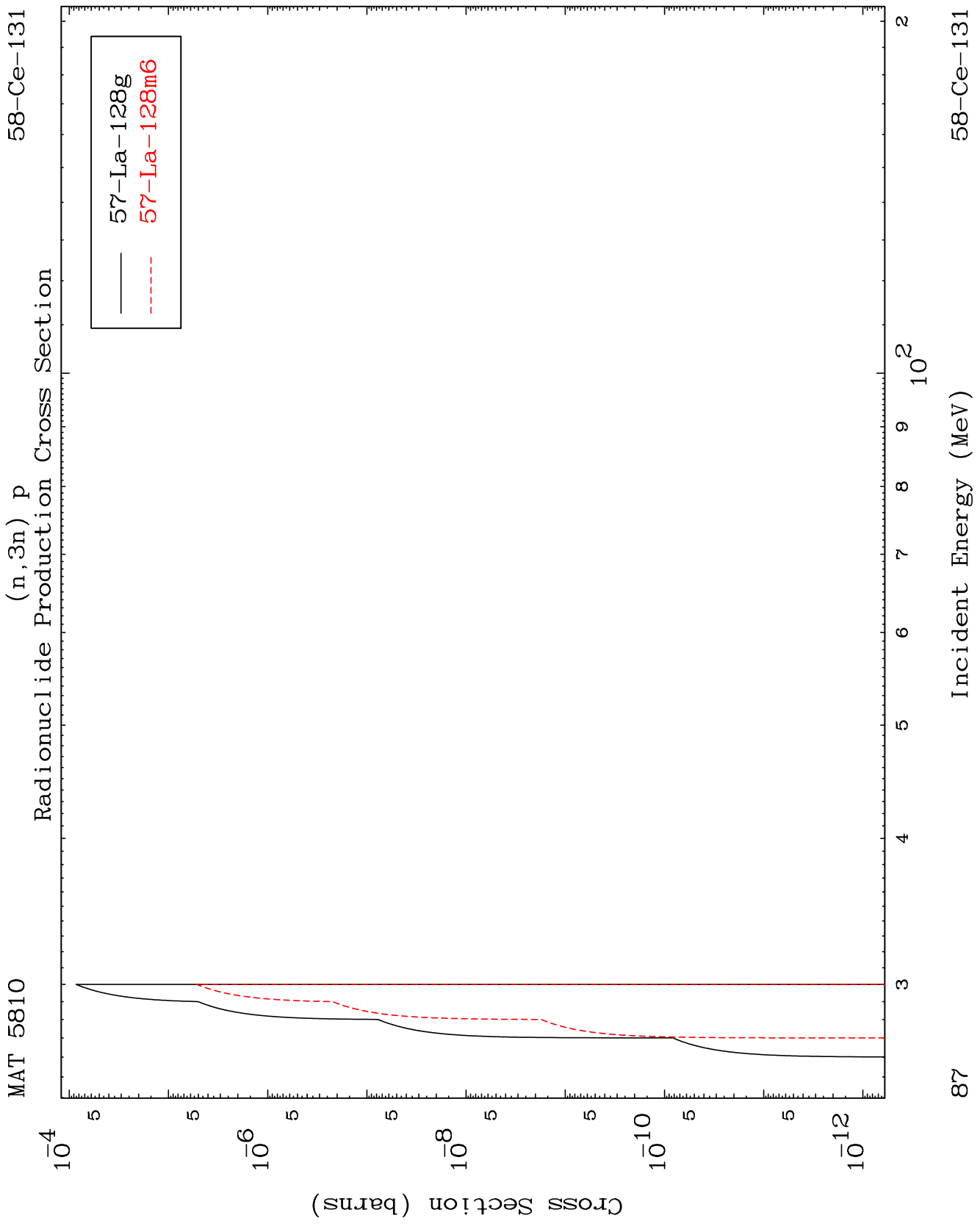
85

Incident Energy (MeV)

58-Ce-131

Radionuclide Production Cross Section



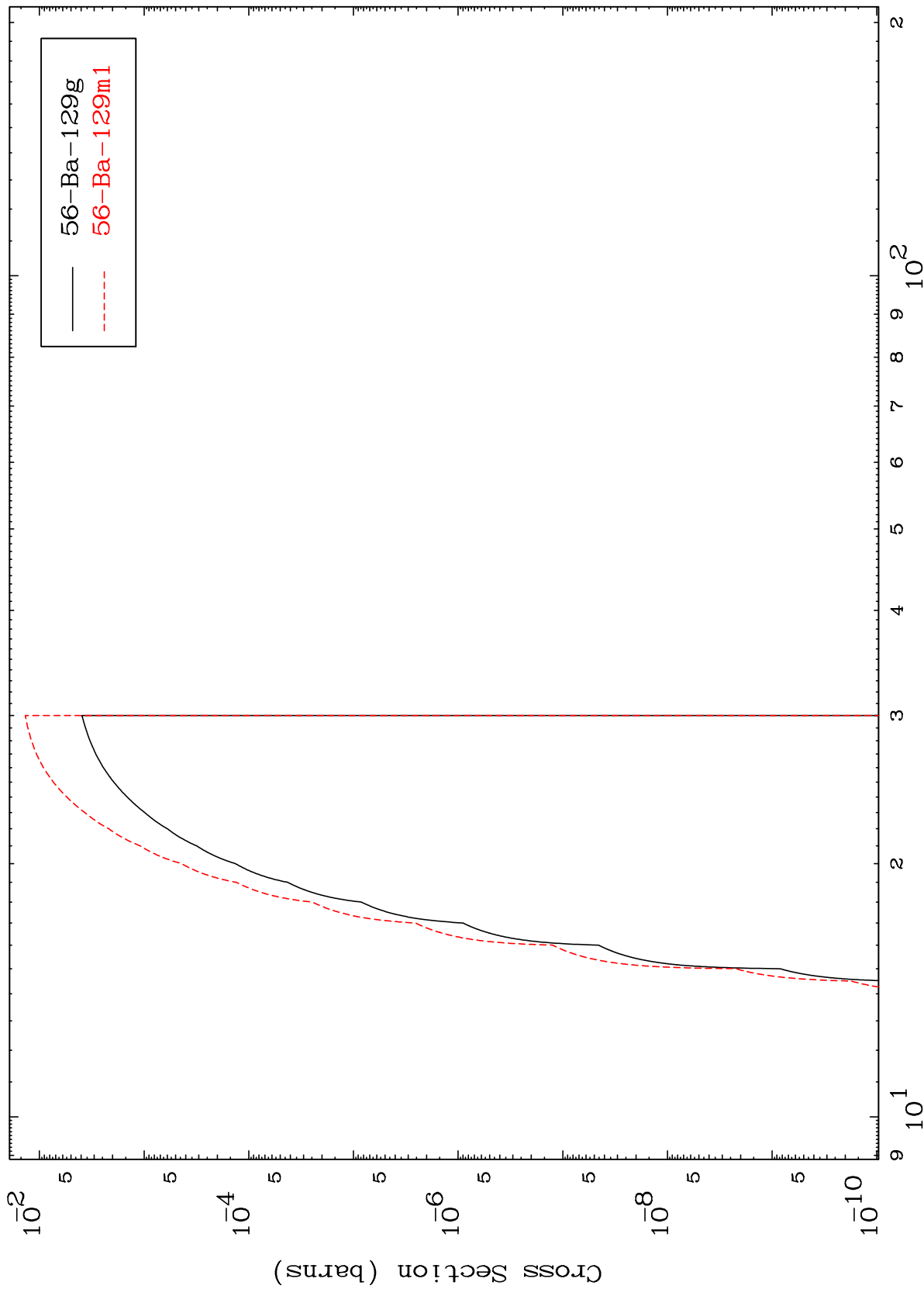


MAT 5810

(n,2n) p

58-Ce-131

Radionuclide Production Cross Section



88

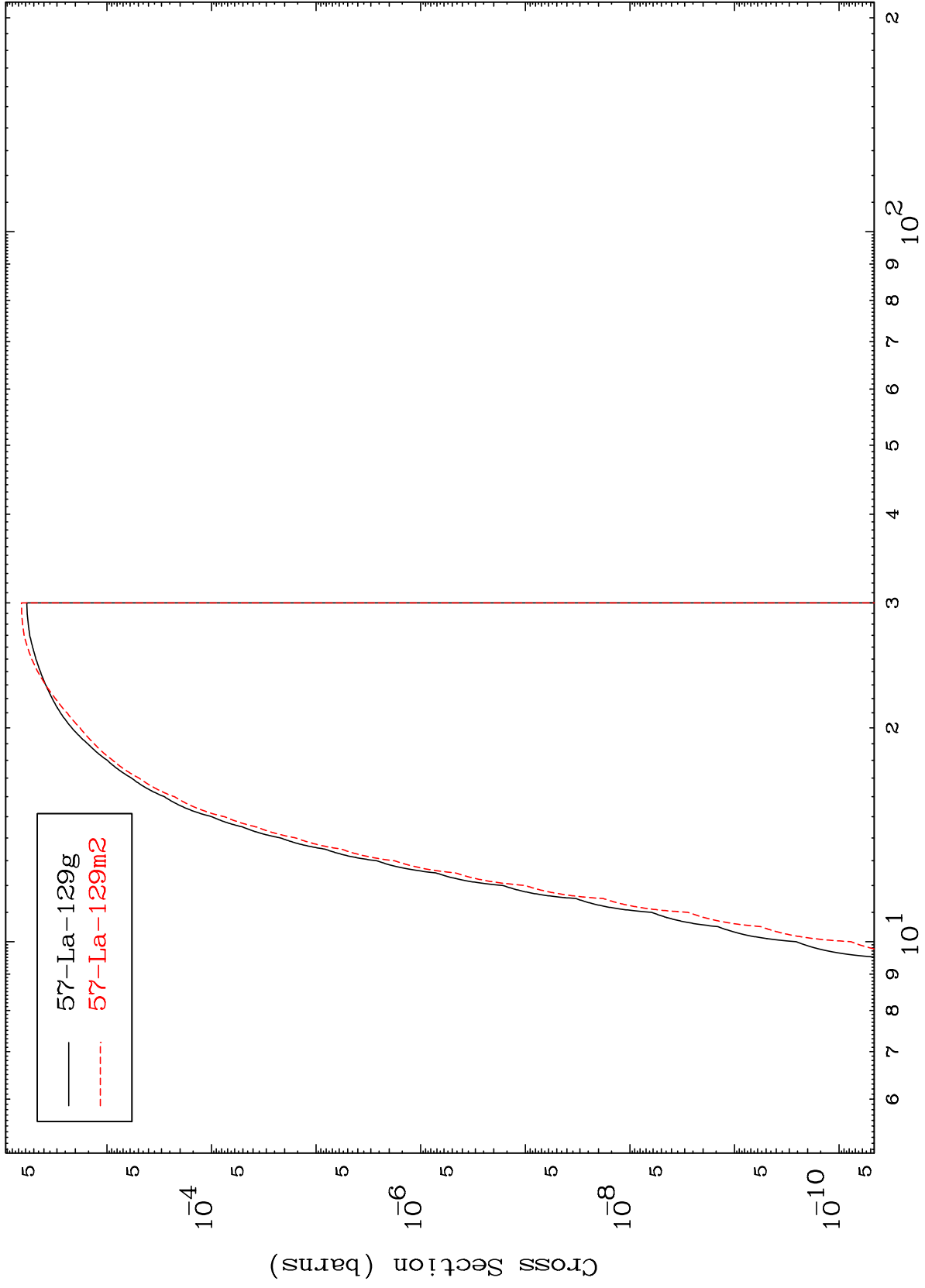
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(n,t)  
Radionuclide Production Cross Section



89

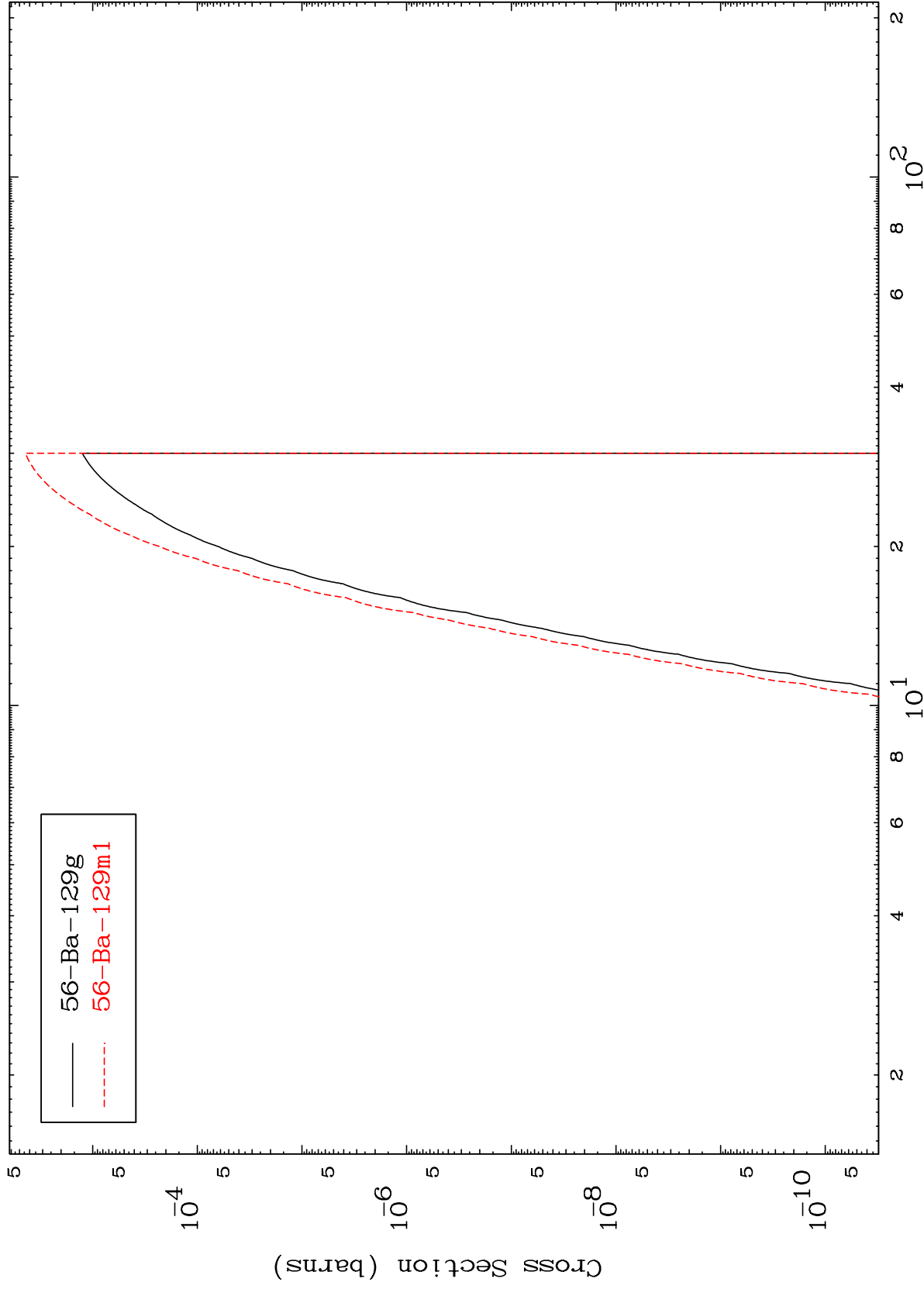
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(n,He-3)  
Radionuclide Production Cross Section



90

58-Ce-131

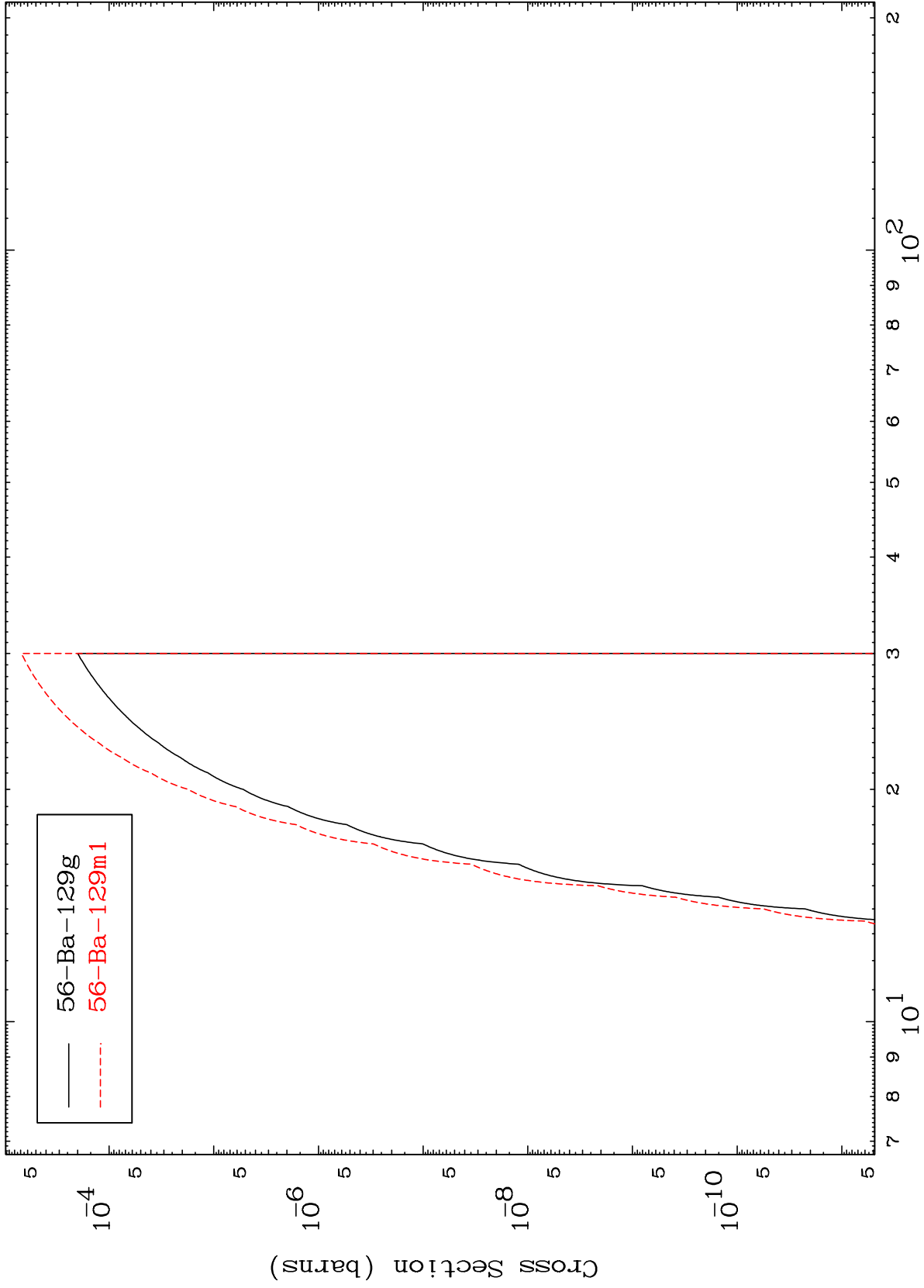
Incident Energy (MeV)

MAT 5810

(n,p) d

58-Ce-131

Radionuclide Production Cross Section



91

Incident Energy (MeV)

58-Ce-131