

Program EVALPLOT  
(Version 2021-1)

by

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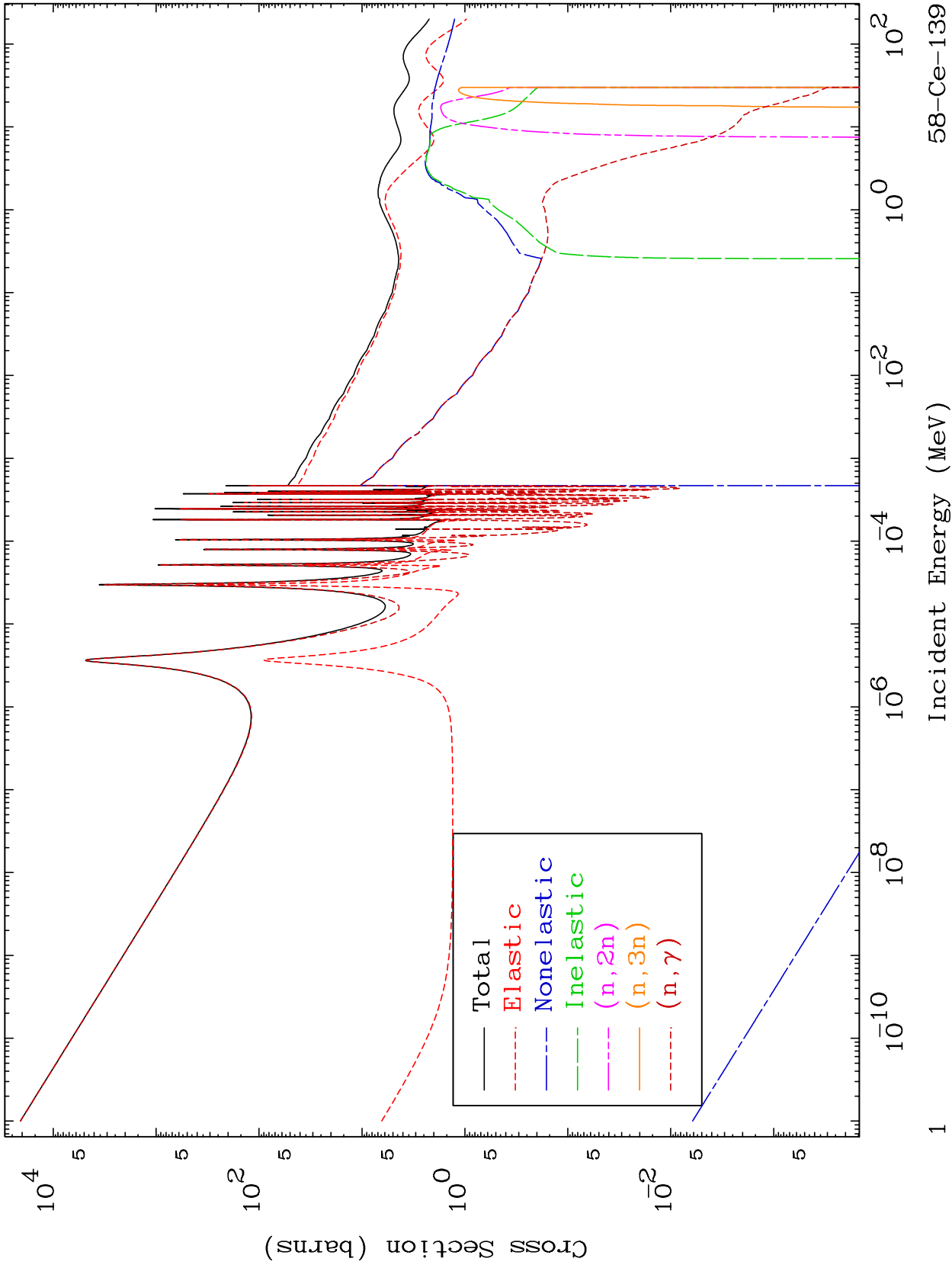
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Press Mouse Button to Start

MAT 5834

Neutron Major  
293 Kelvin Cross Sections

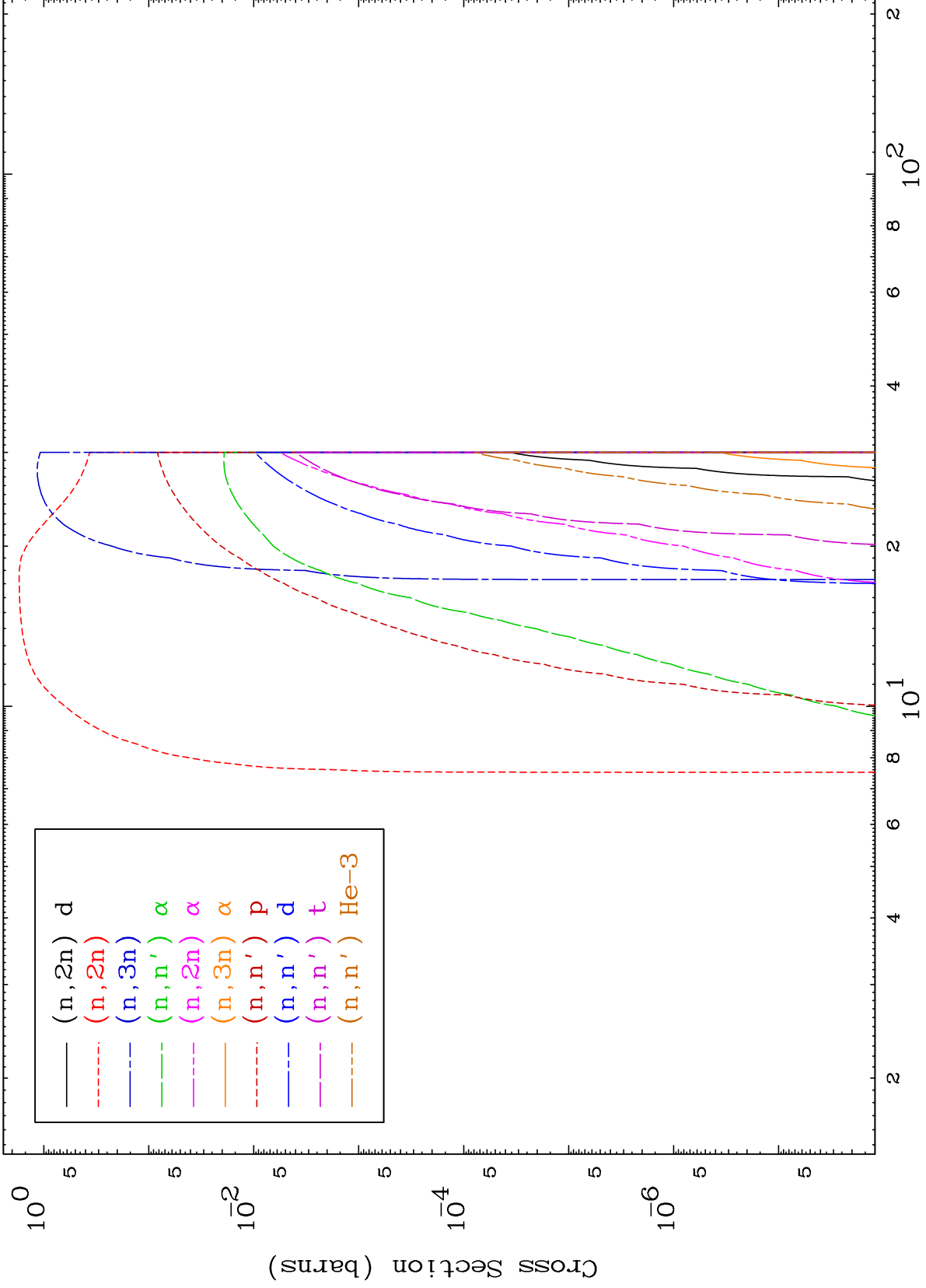
58-Ce-139



MAT 5834

Neutron Absorption  
293 Kelvin Cross Sections

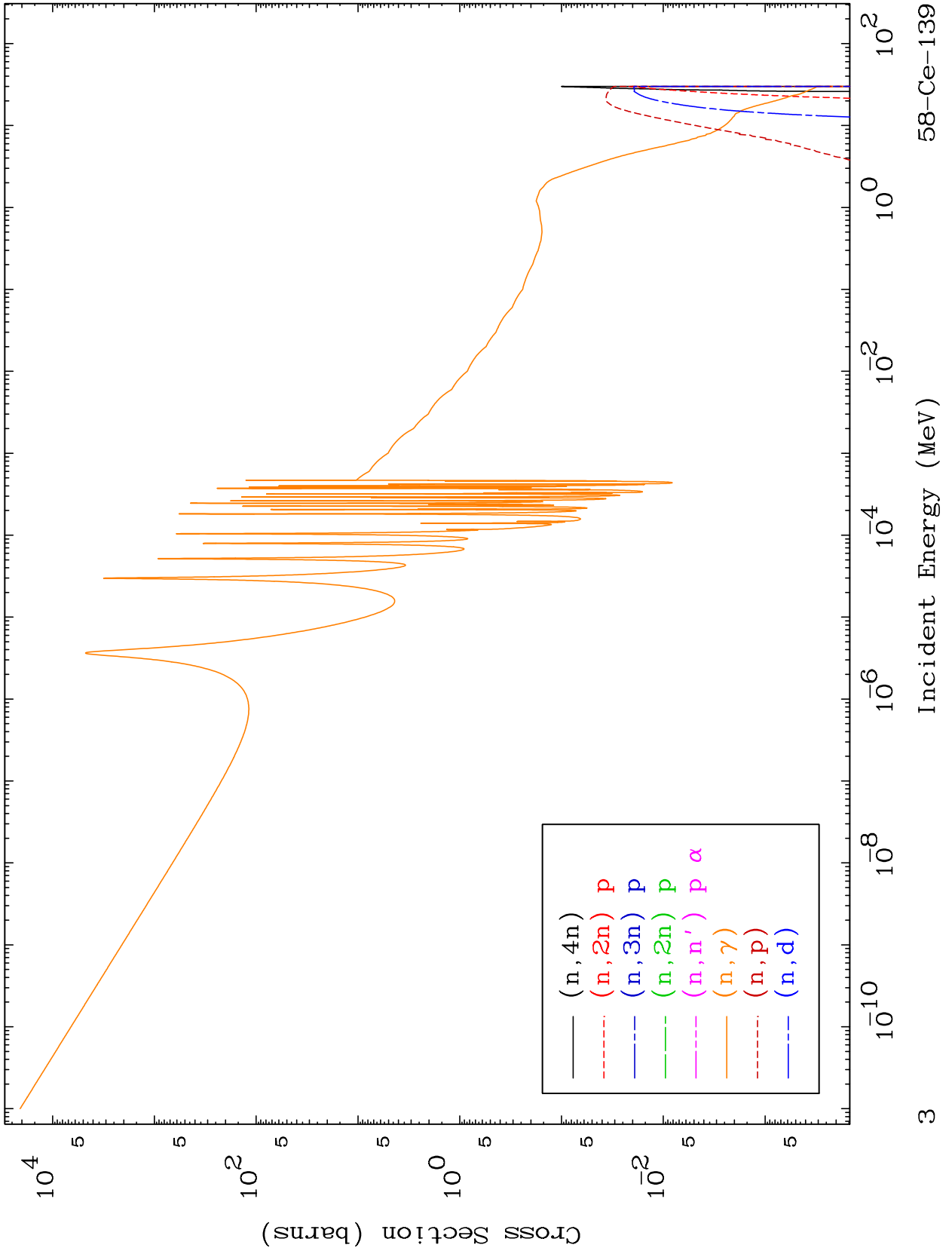
58-Ce-139



MAT 5834

Neutron Absorption  
293 Kelvin Cross Sections

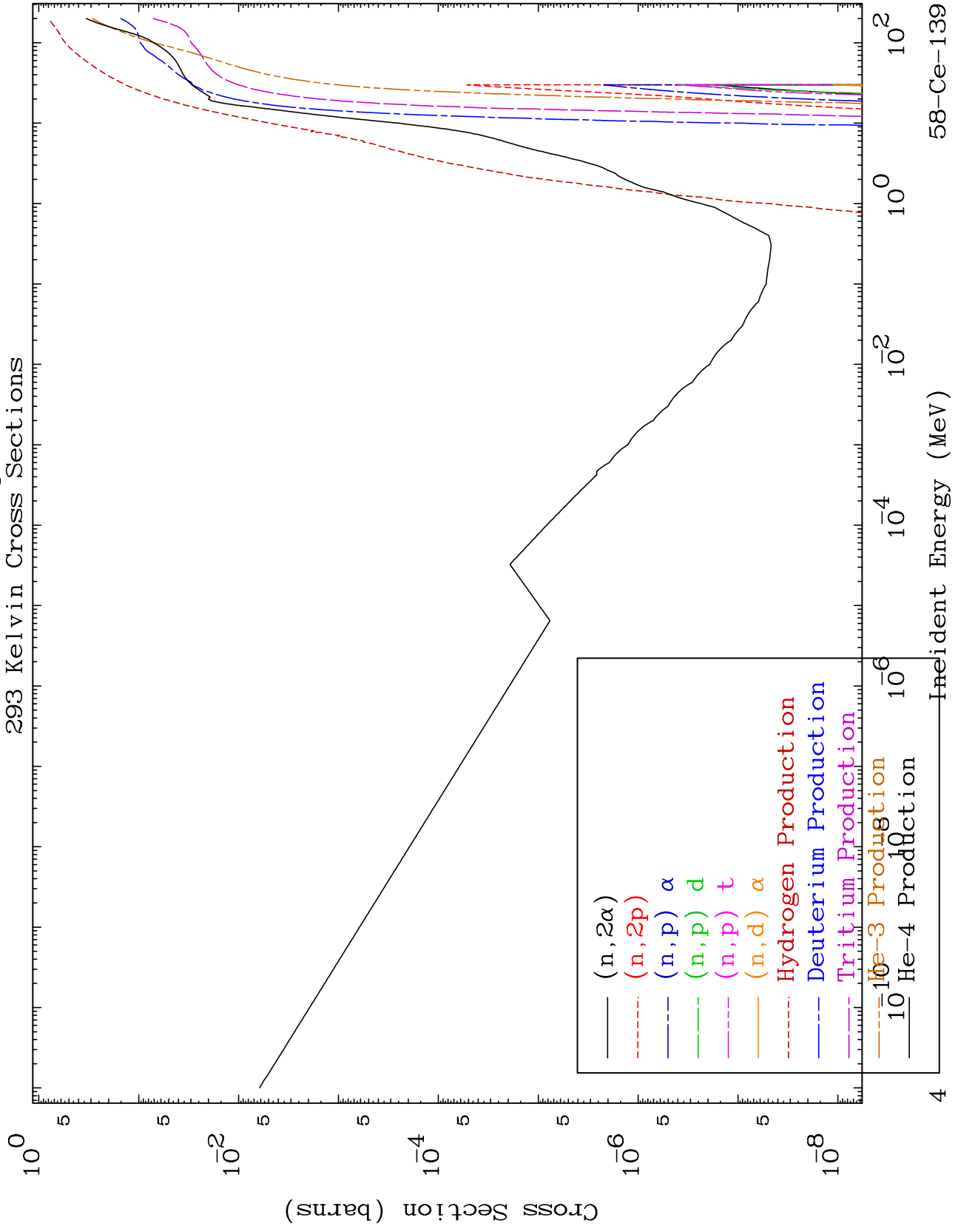
58-Ce-139



MAT 5834

Neutron Absorption  
293 Kelvin Cross Sections

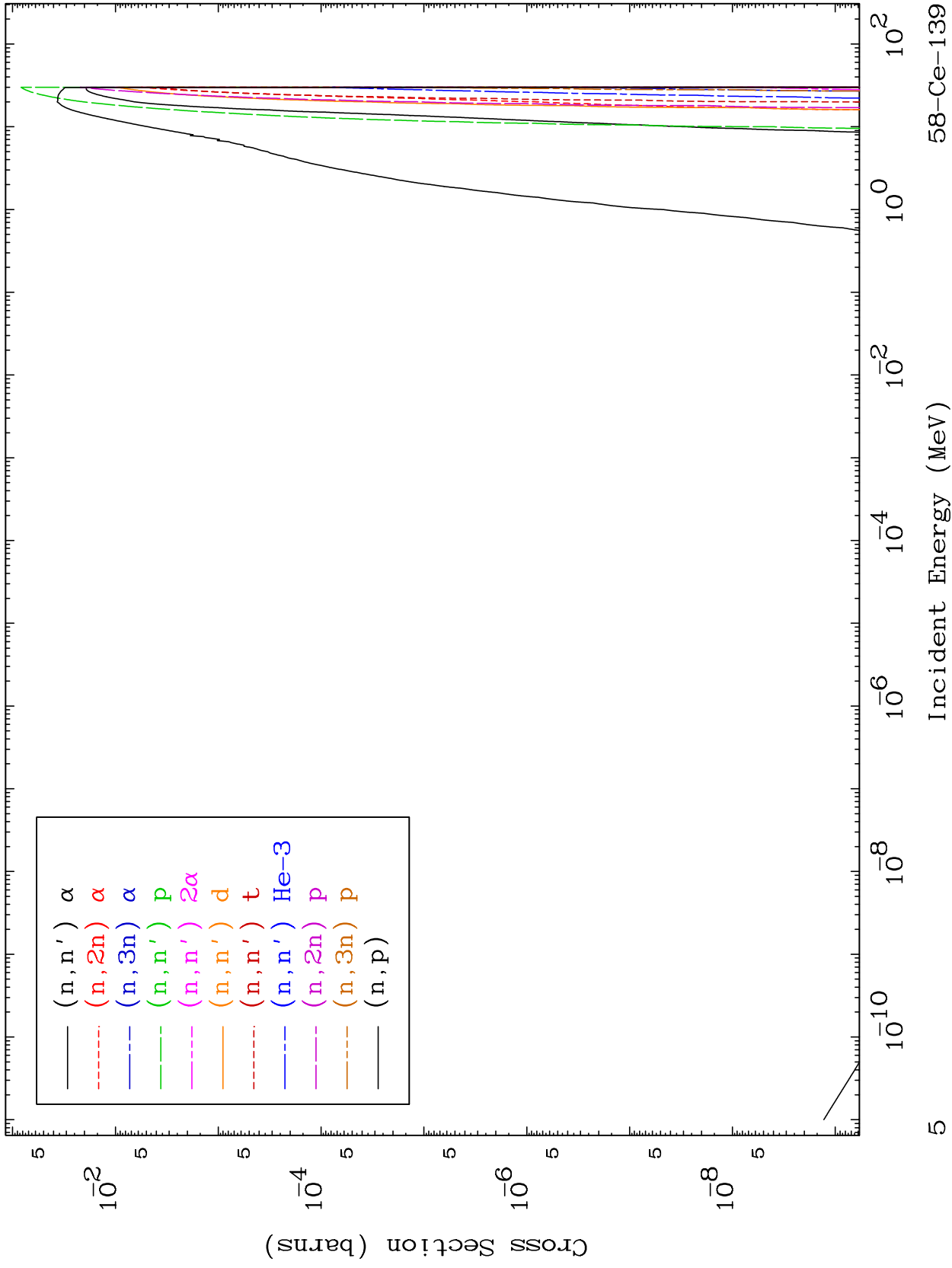
58-Ce-139



MAT 5834

Charged Particle  
293 Kelvin Cross Sections

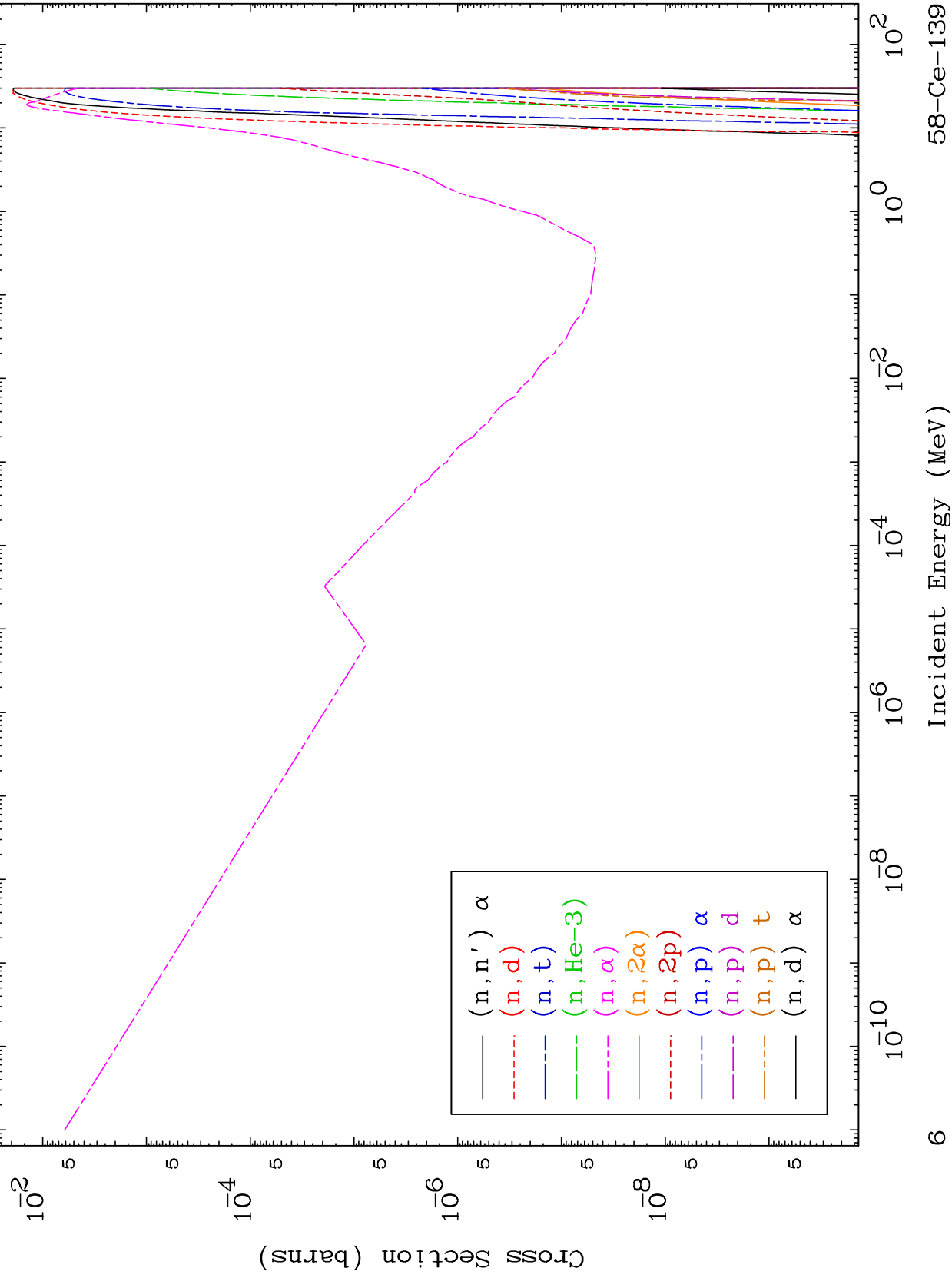
58-Ce-139



MAT 5834

Charged Particle  
293 Kelvin Cross Sections

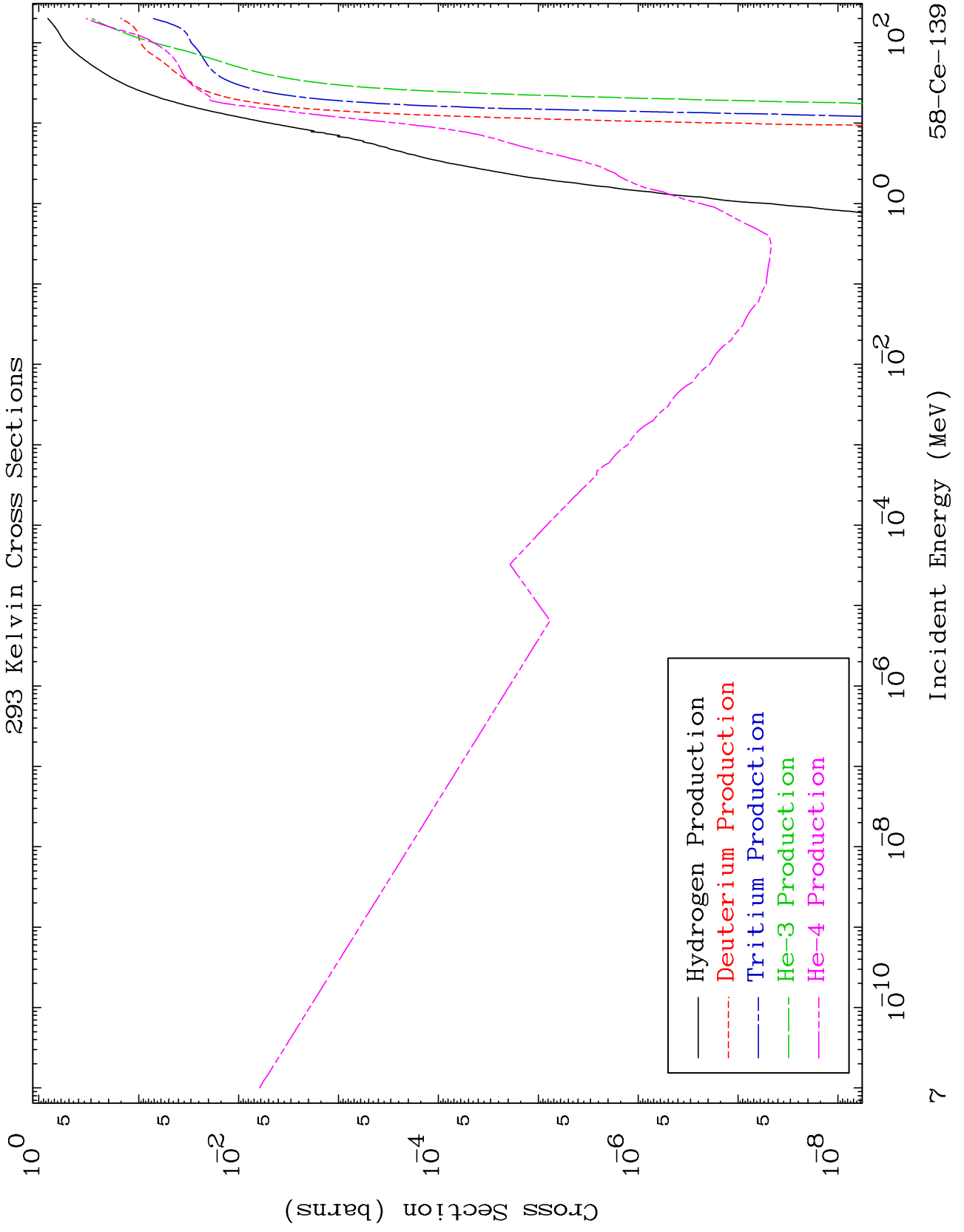
58-Ce-139



MAT 5834

Particle Production  
293 Kelvin Cross Sections

58-Ce-139



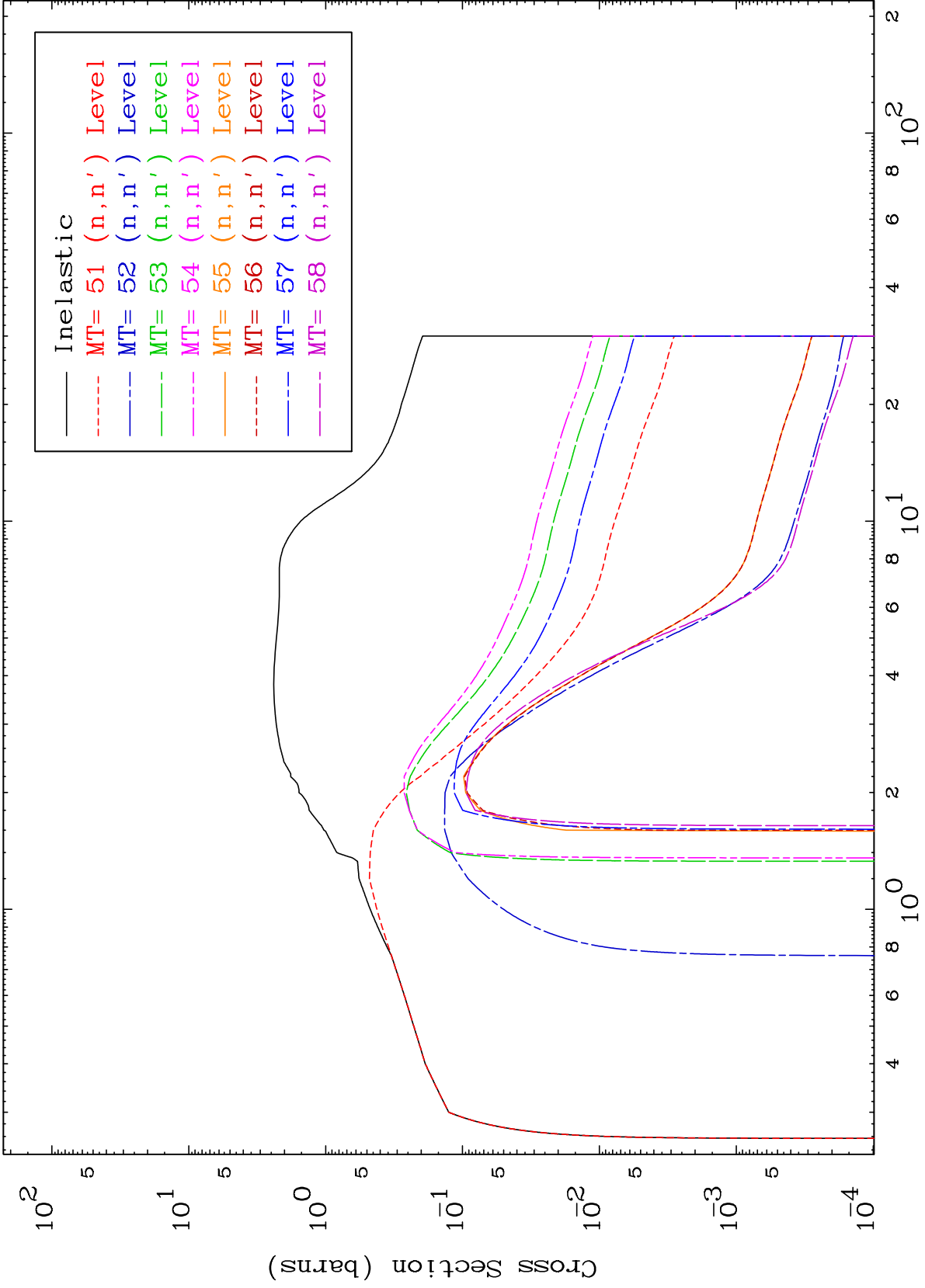


MAT 5834

(n,n') Levels

58-Ce-139

293 Kelvin Cross Sections



8

Incident Energy (MeV)

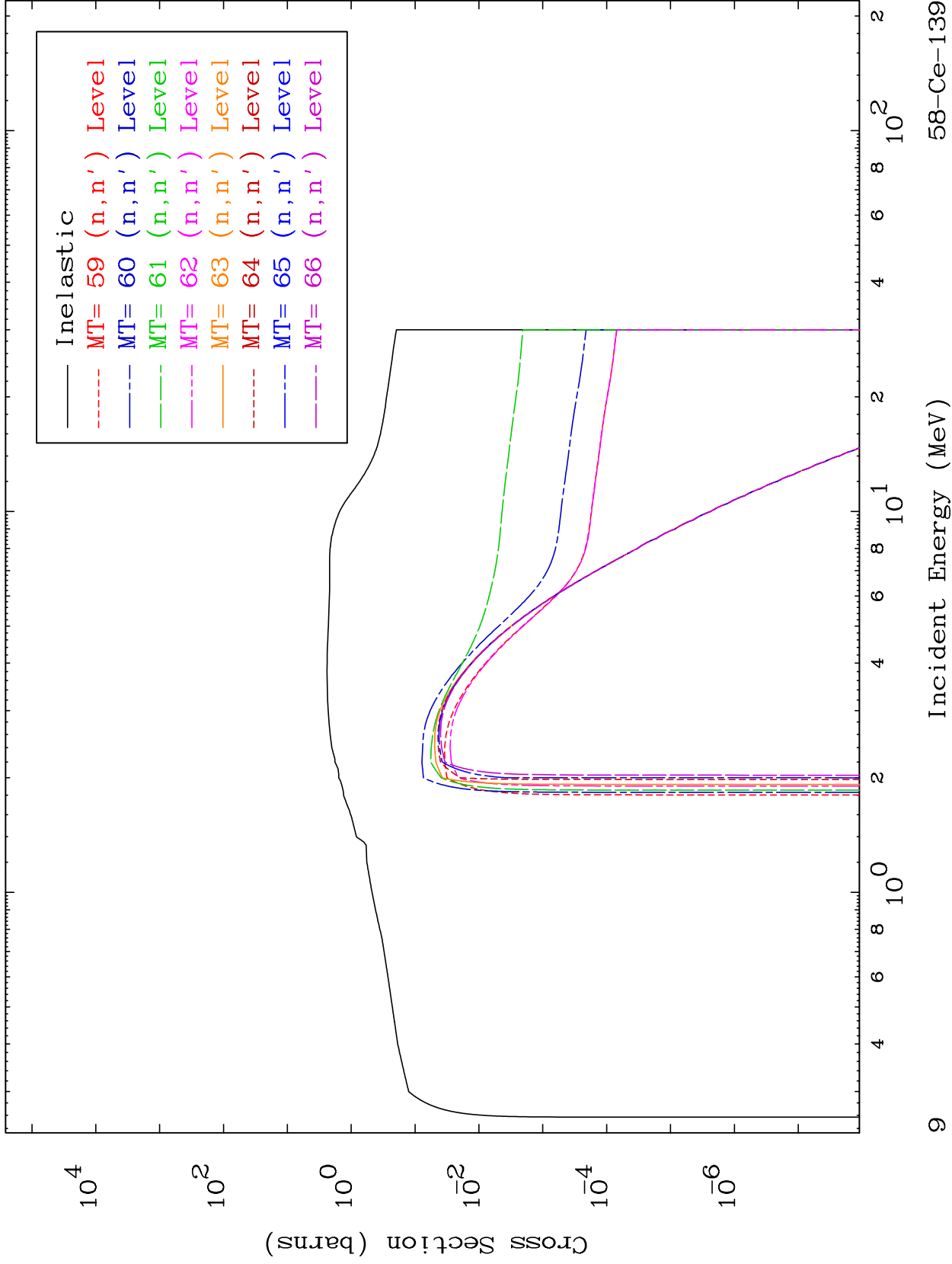
58-Ce-139

MAT 5834

(n,n') Levels

58-Ce-139

293 Kelvin Cross Sections

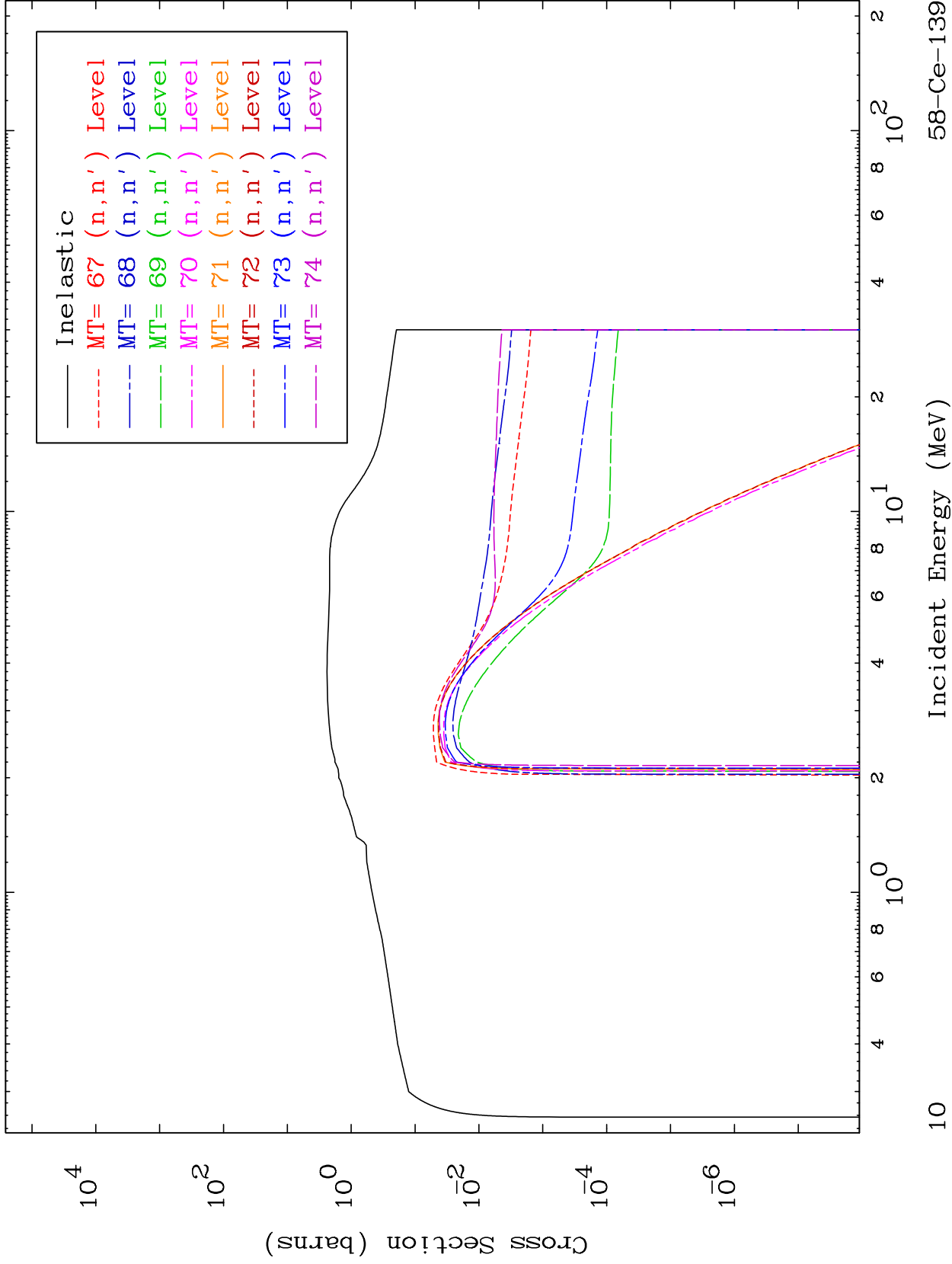


MAT 5834

(n,n') Levels

58-Ce-139

293 Kelvin Cross Sections

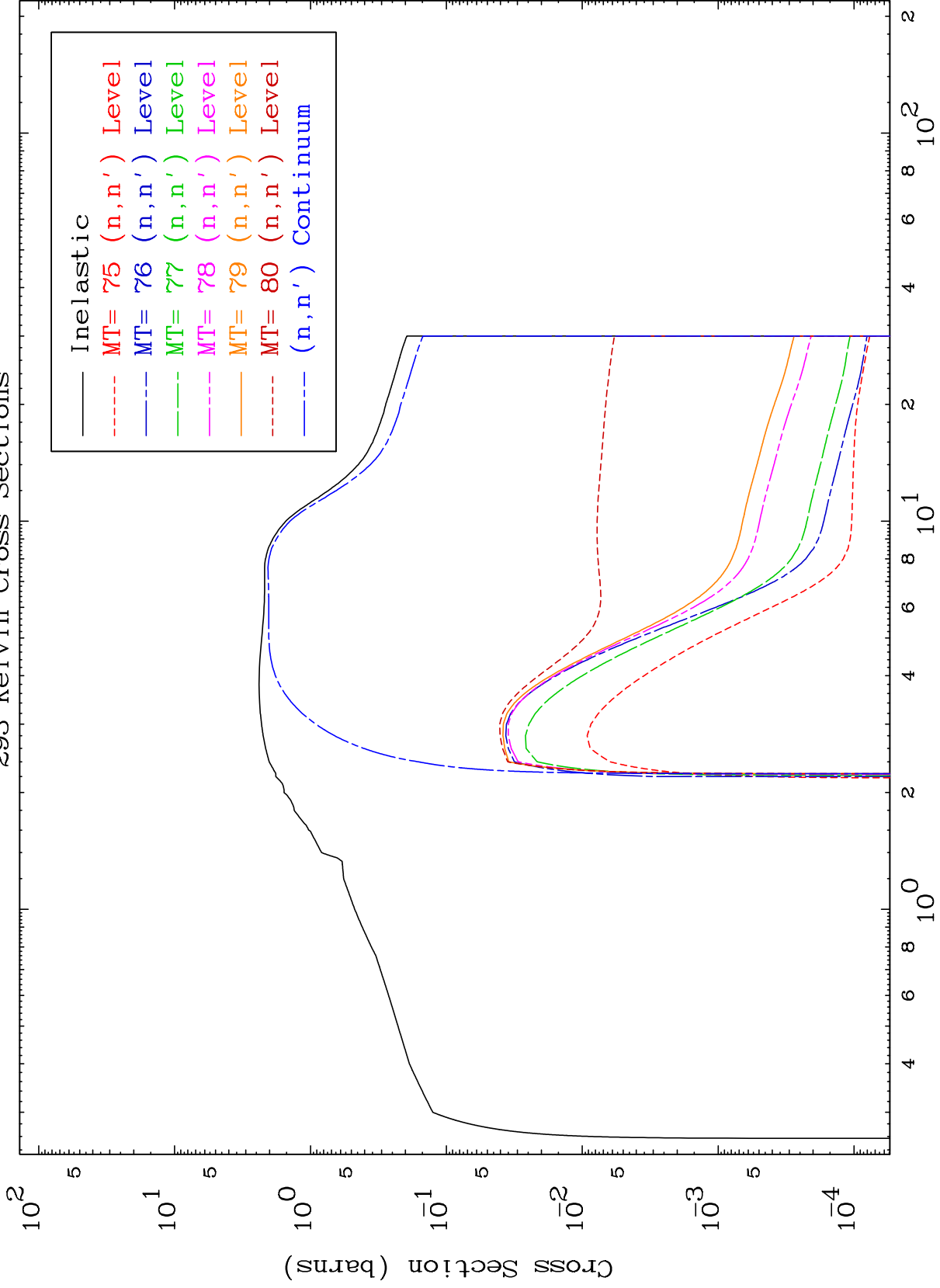


10

Incident Energy (MeV)

58-Ce-139

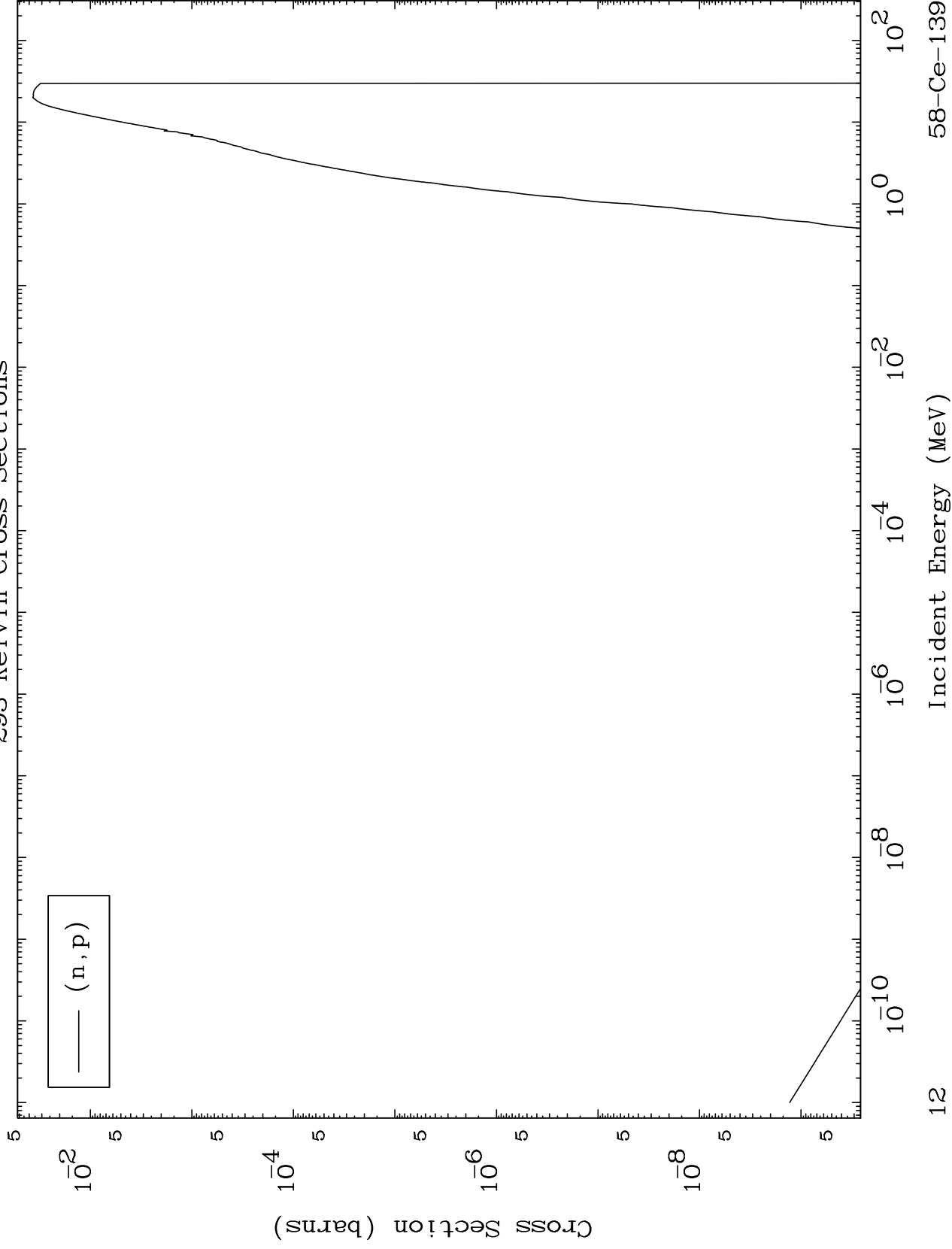
293 Kelvin Cross Sections



MAT 5834

(n,p) Levels  
293 Kelvin Cross Sections

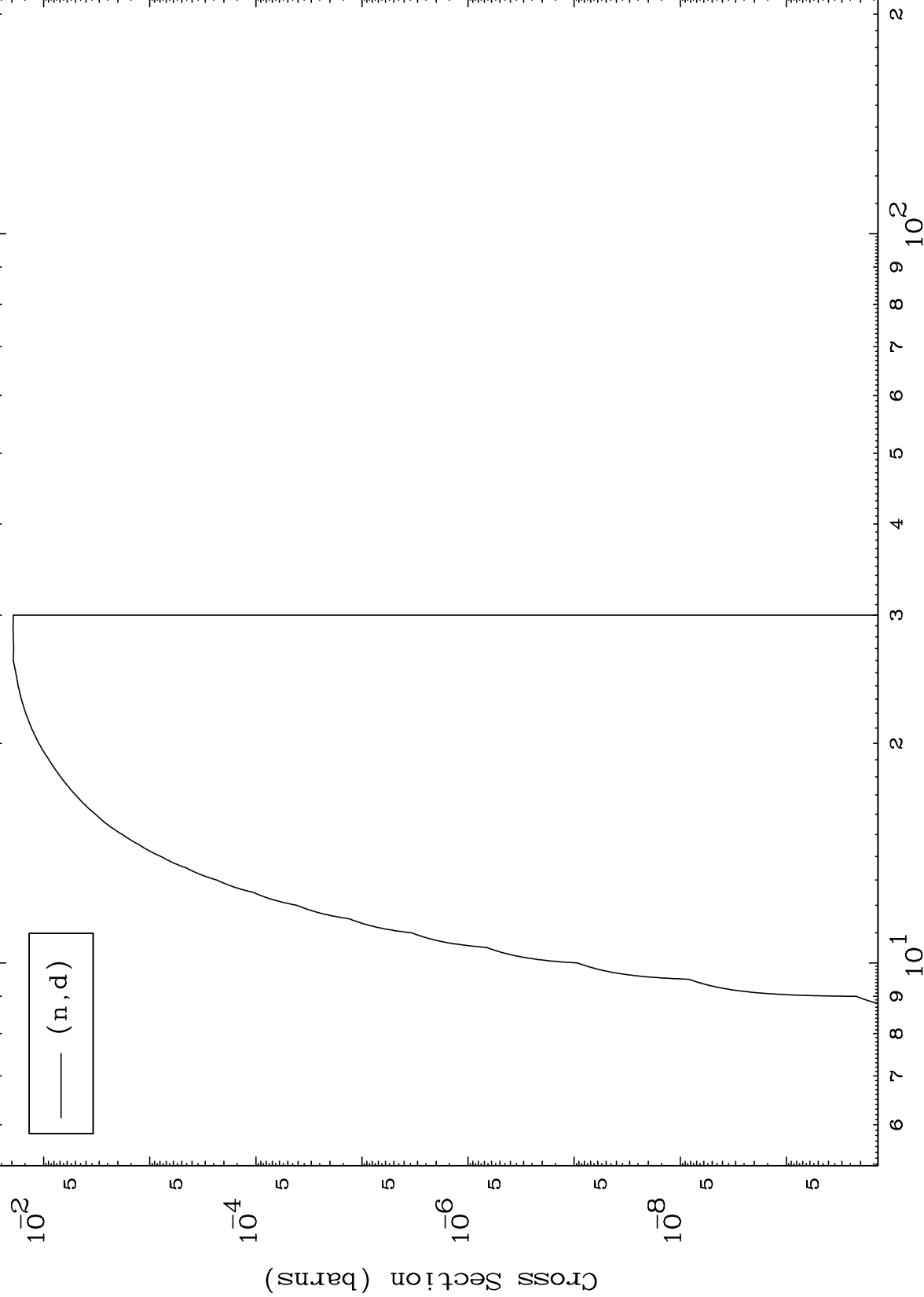
58-Ce-139



MAT 5834

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-139



13

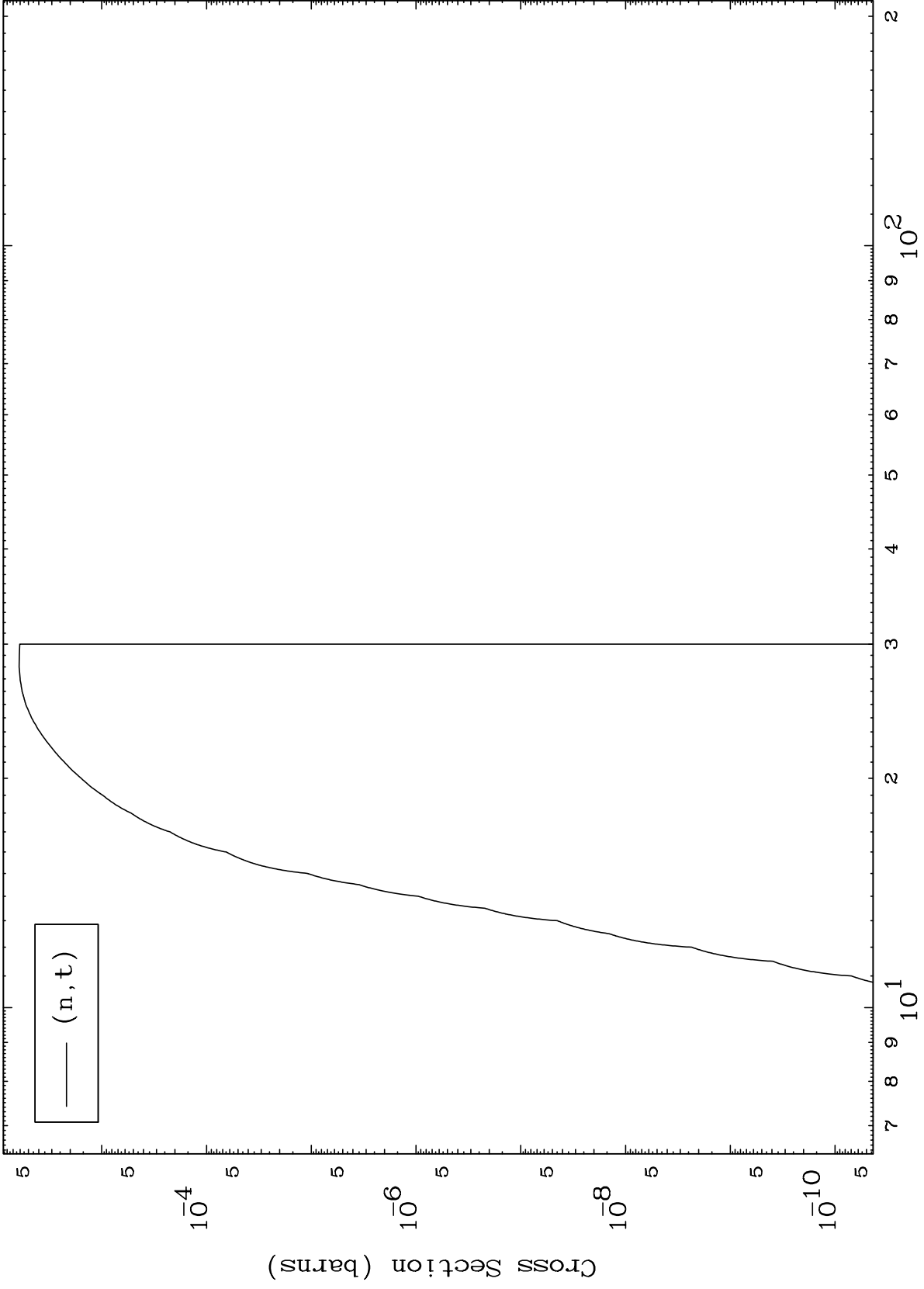
Incident Energy (MeV)

58-Ce-139

MAT 5834

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-139



14

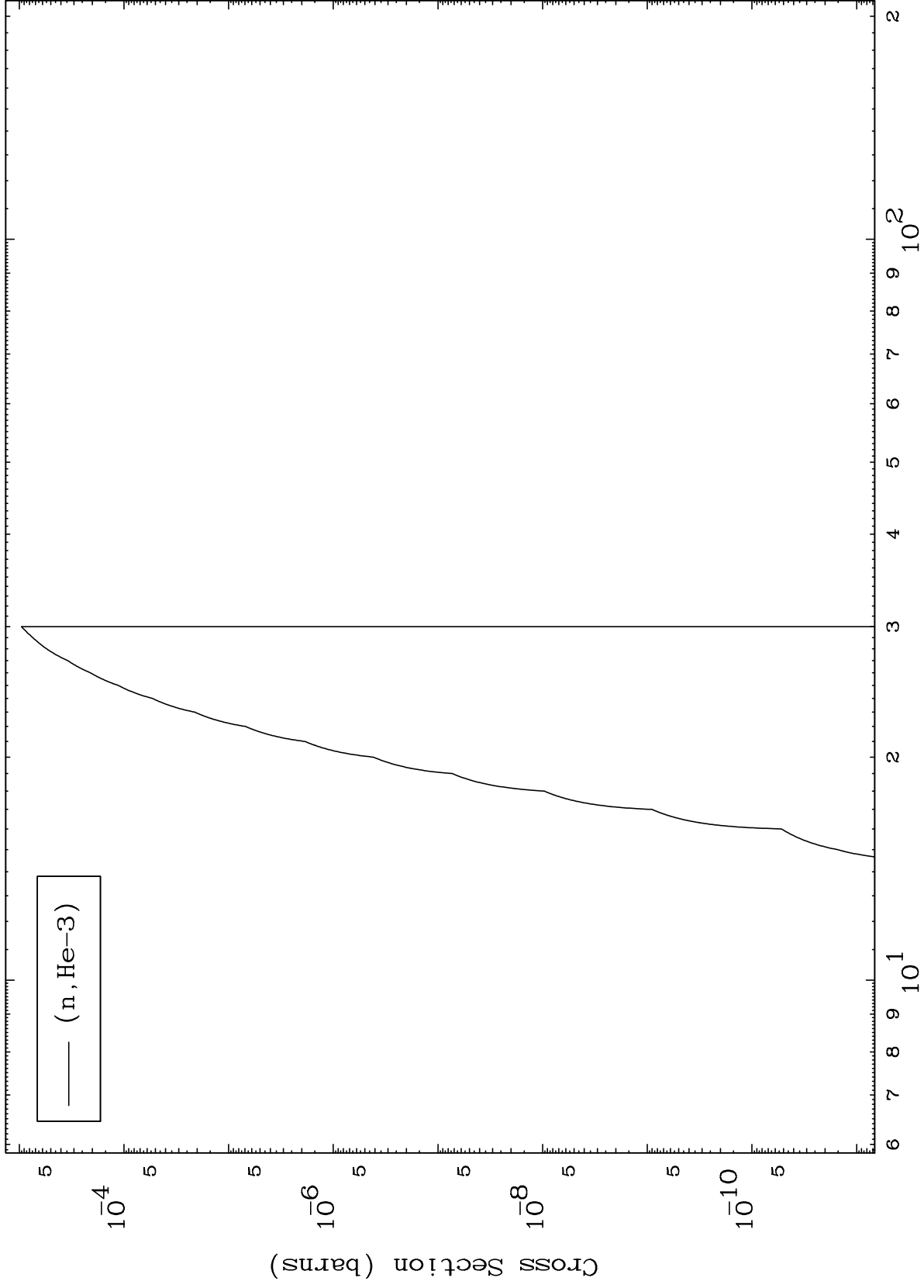
Incident Energy (MeV)

58-Ce-139

MAT 5834

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-139



15

Incident Energy (MeV)

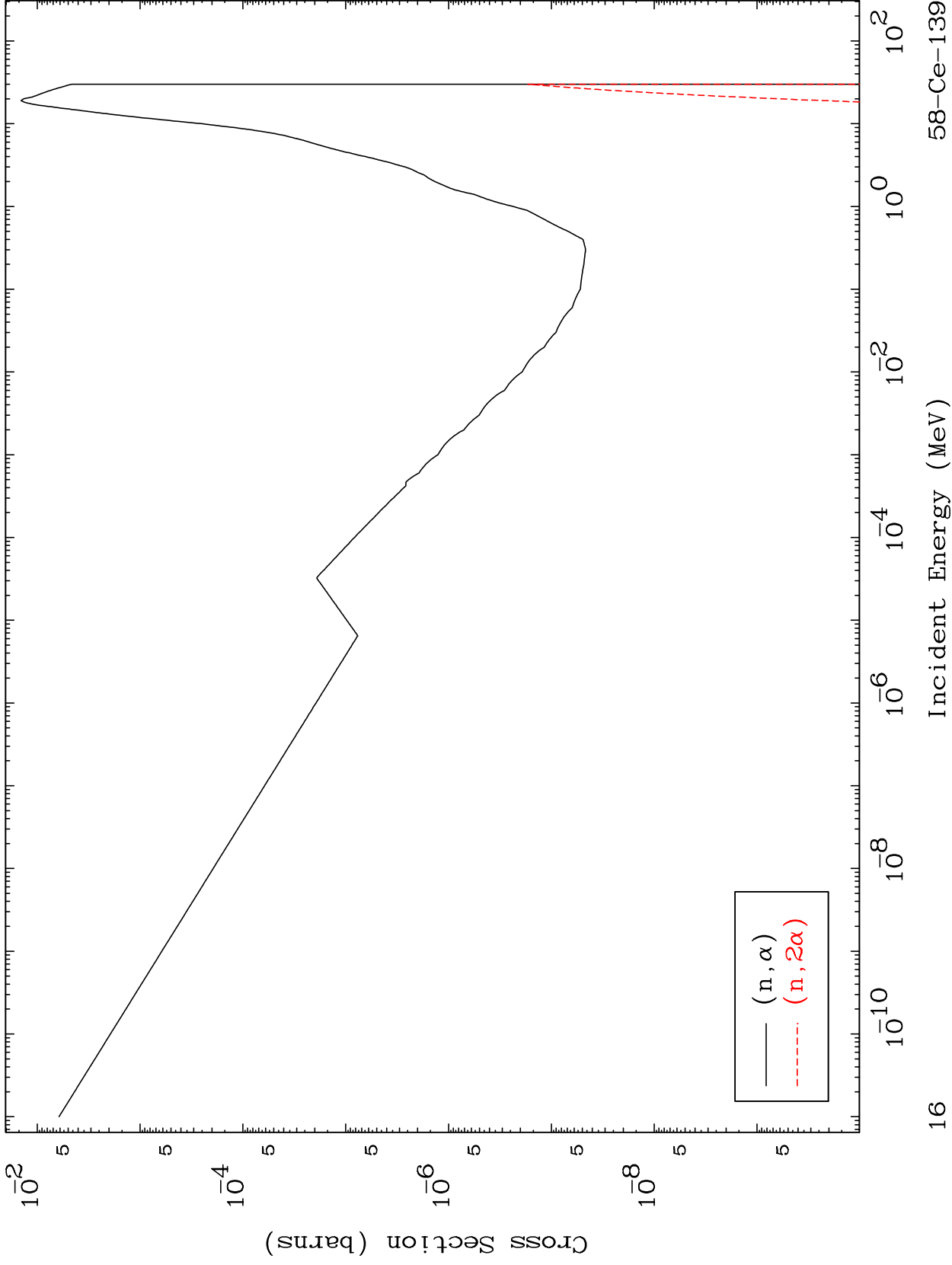
58-Ce-139



MAT 5834

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

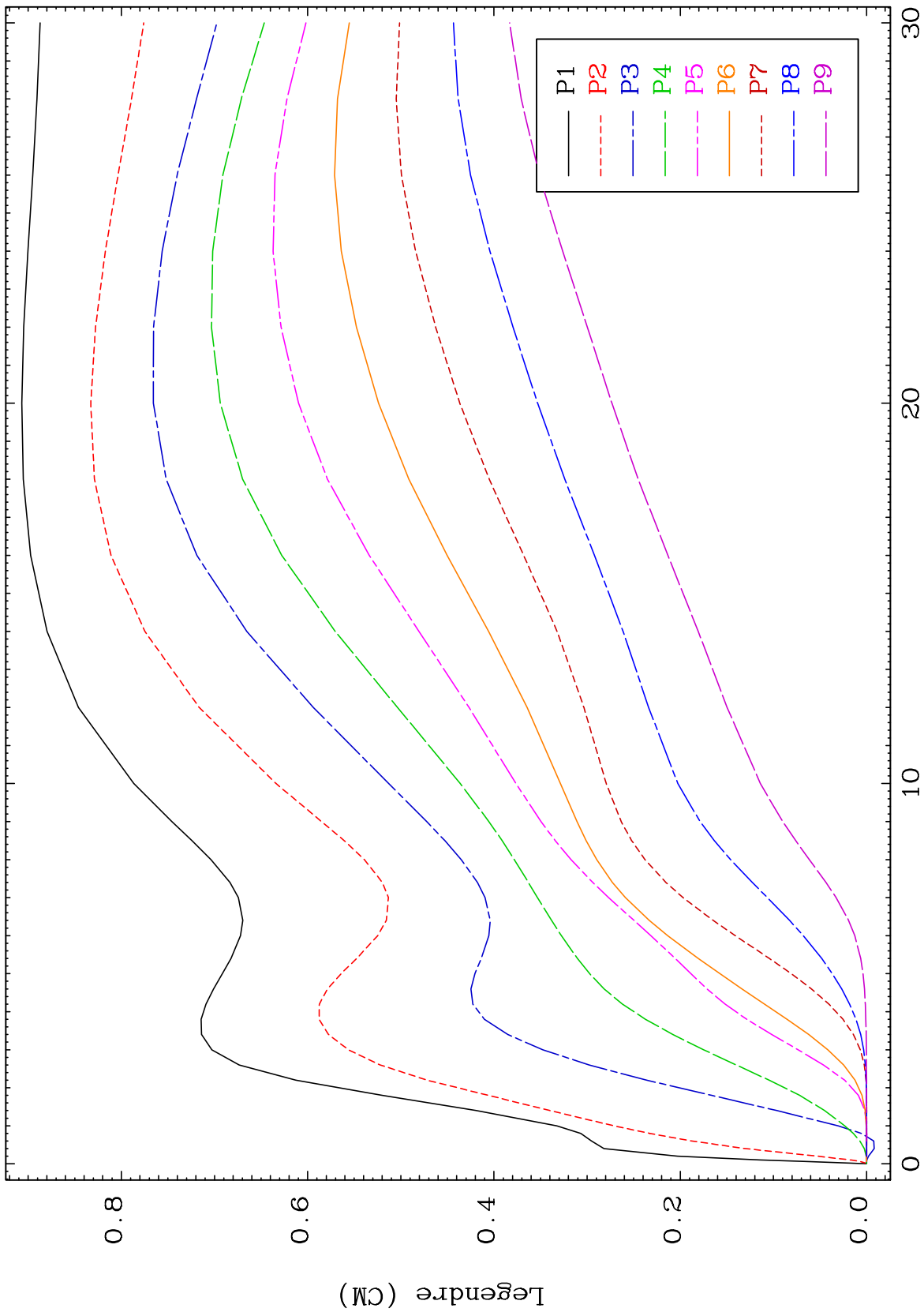
58-Ce-139



MAT 5834

Elastic Legendre Coefficients

58-Ce-139



17

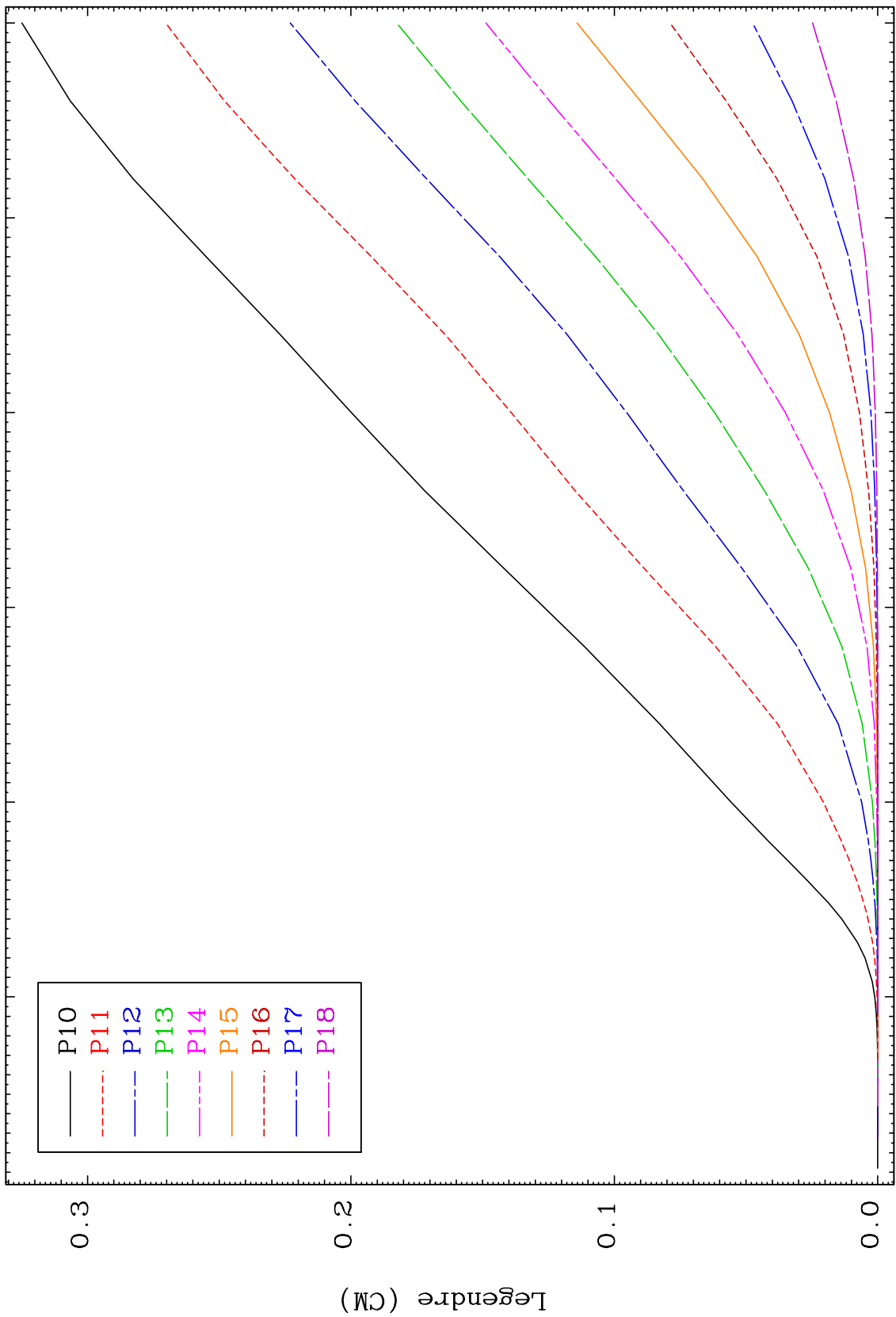
Incident Energy (MeV)

58-Ce-139

MAT 5834

Elastic Legendre Coefficients

58-Ce-139



18

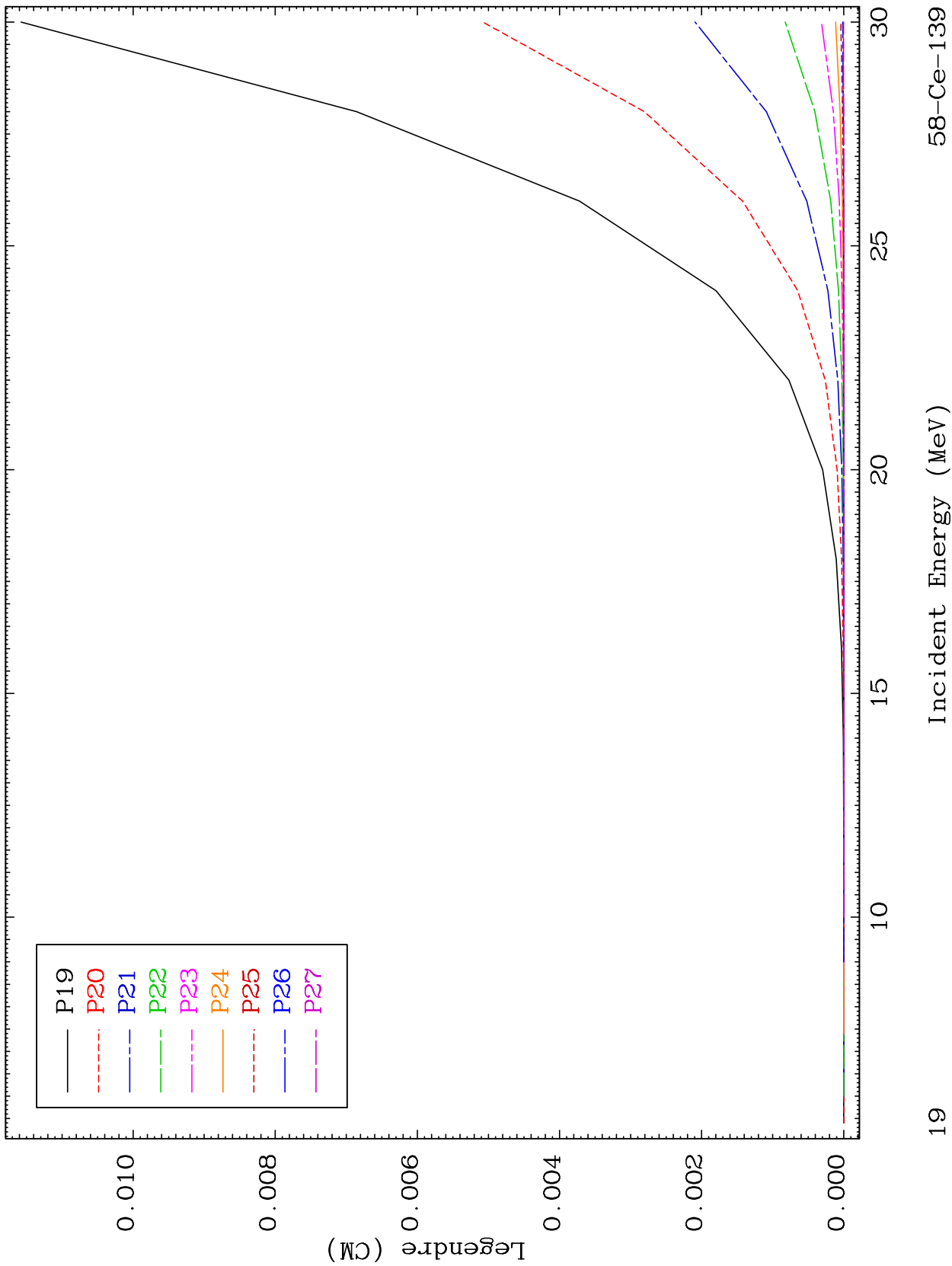
Incident Energy (MeV)

58-Ce-139

MAT 5834

### Elastic Legendre Coefficients

58-Ce-139



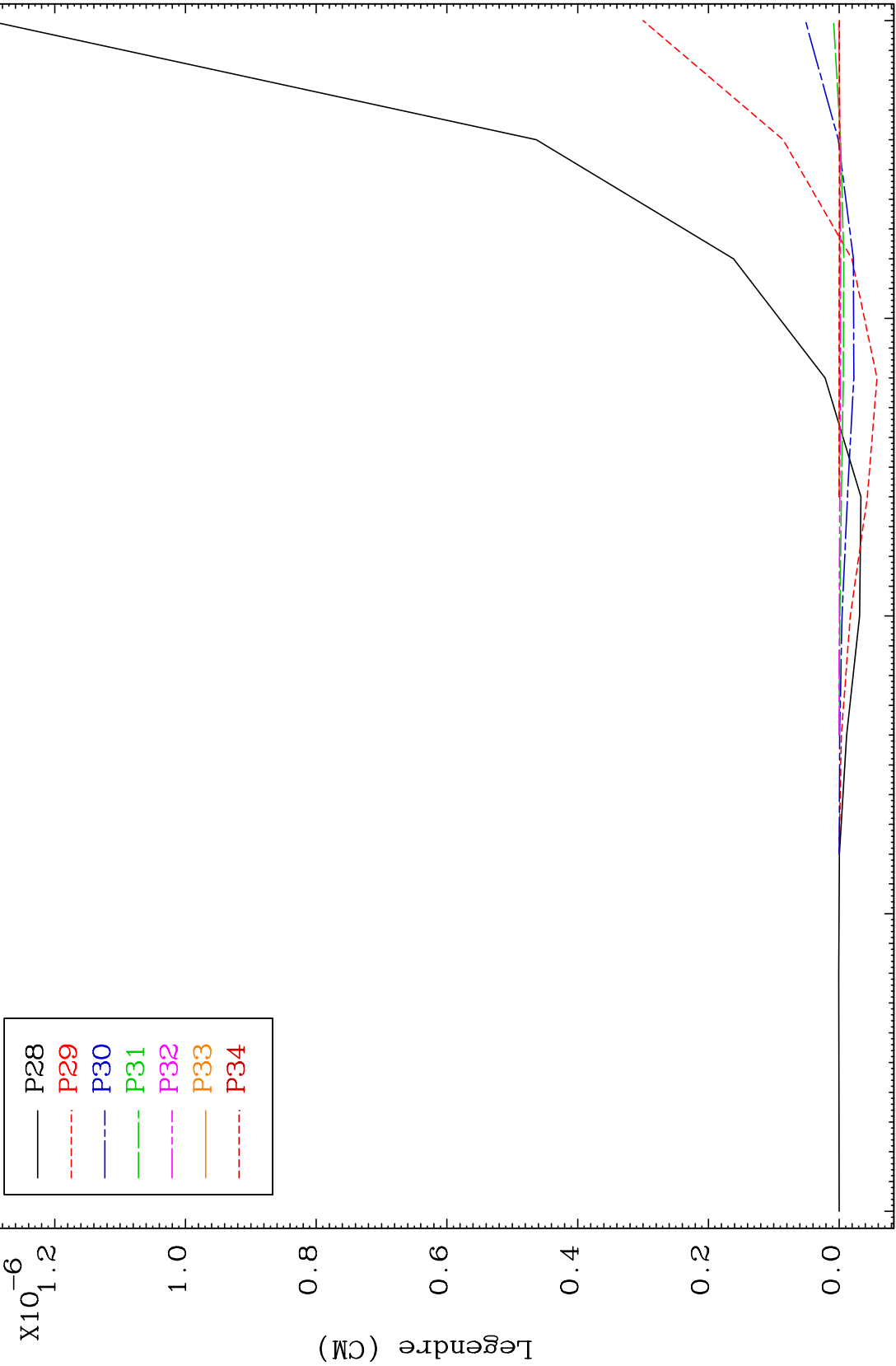
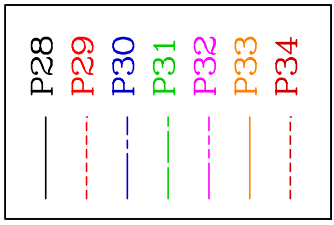
19

58-Ce-139

MAT 5834

Elastic Legendre Coefficients

58-Ce-139



58-Ce-139

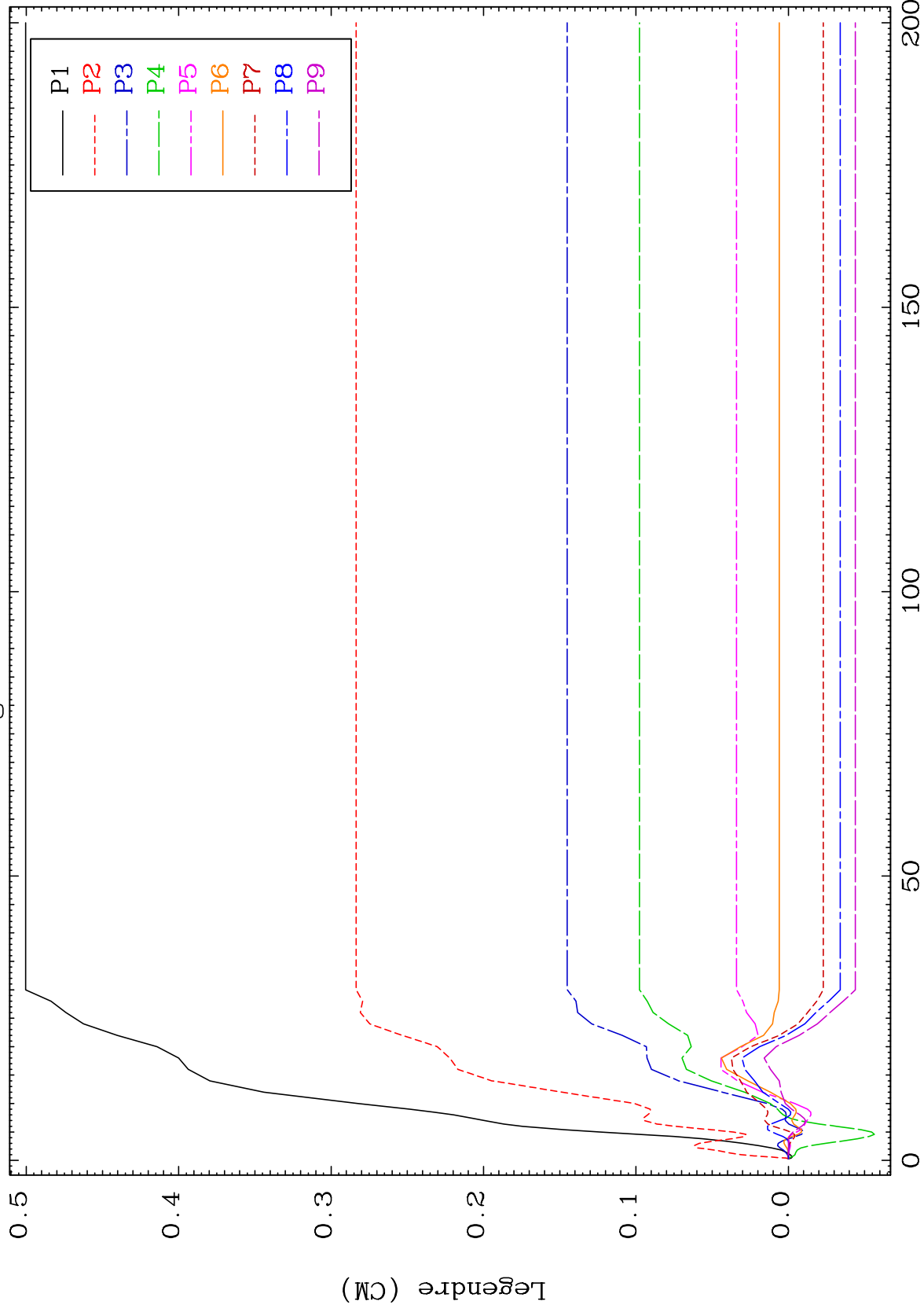
Incident Energy (MeV)

20

MAT 5834

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

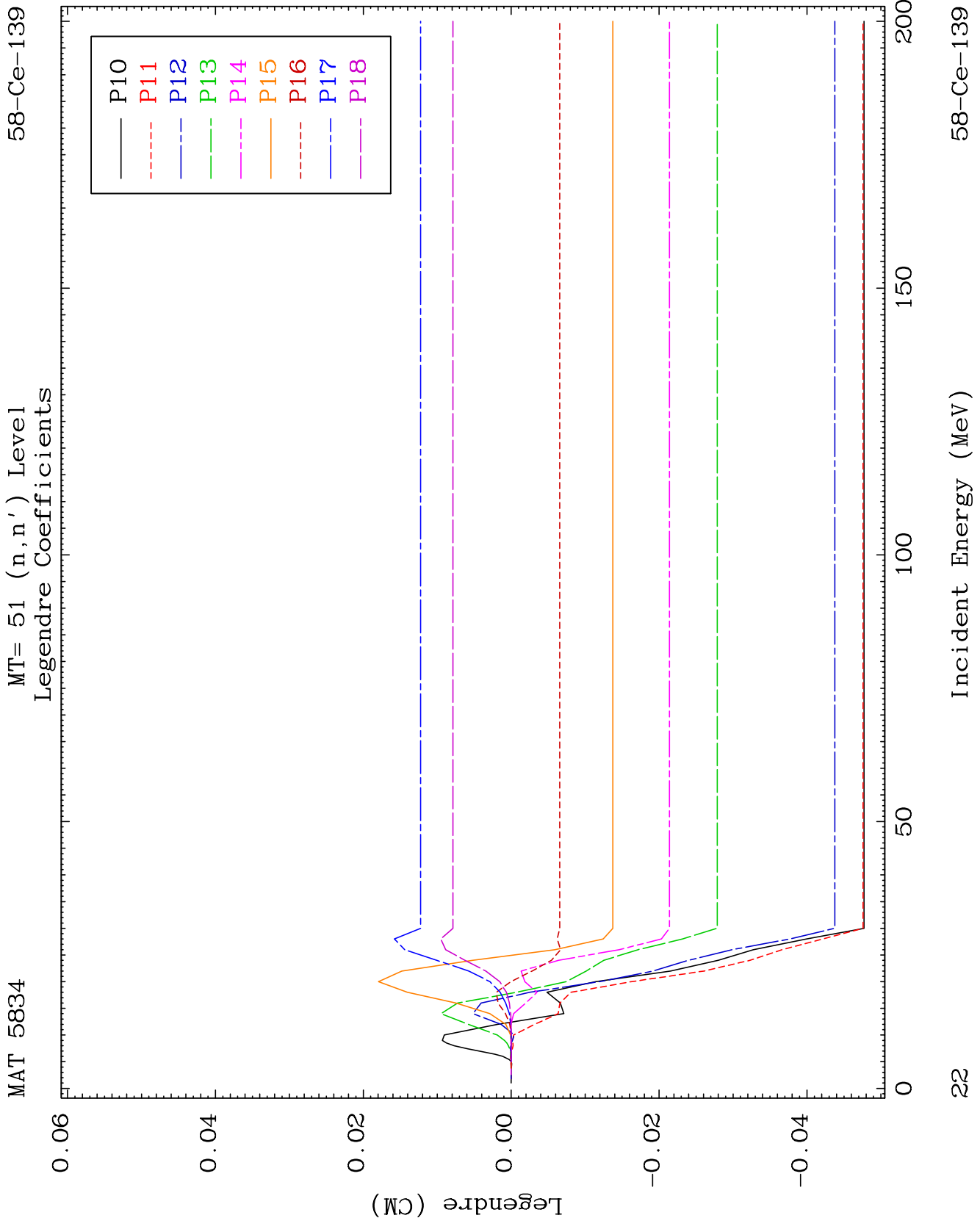
58-Ce-139



58-Ce-139

Incident Energy (MeV)

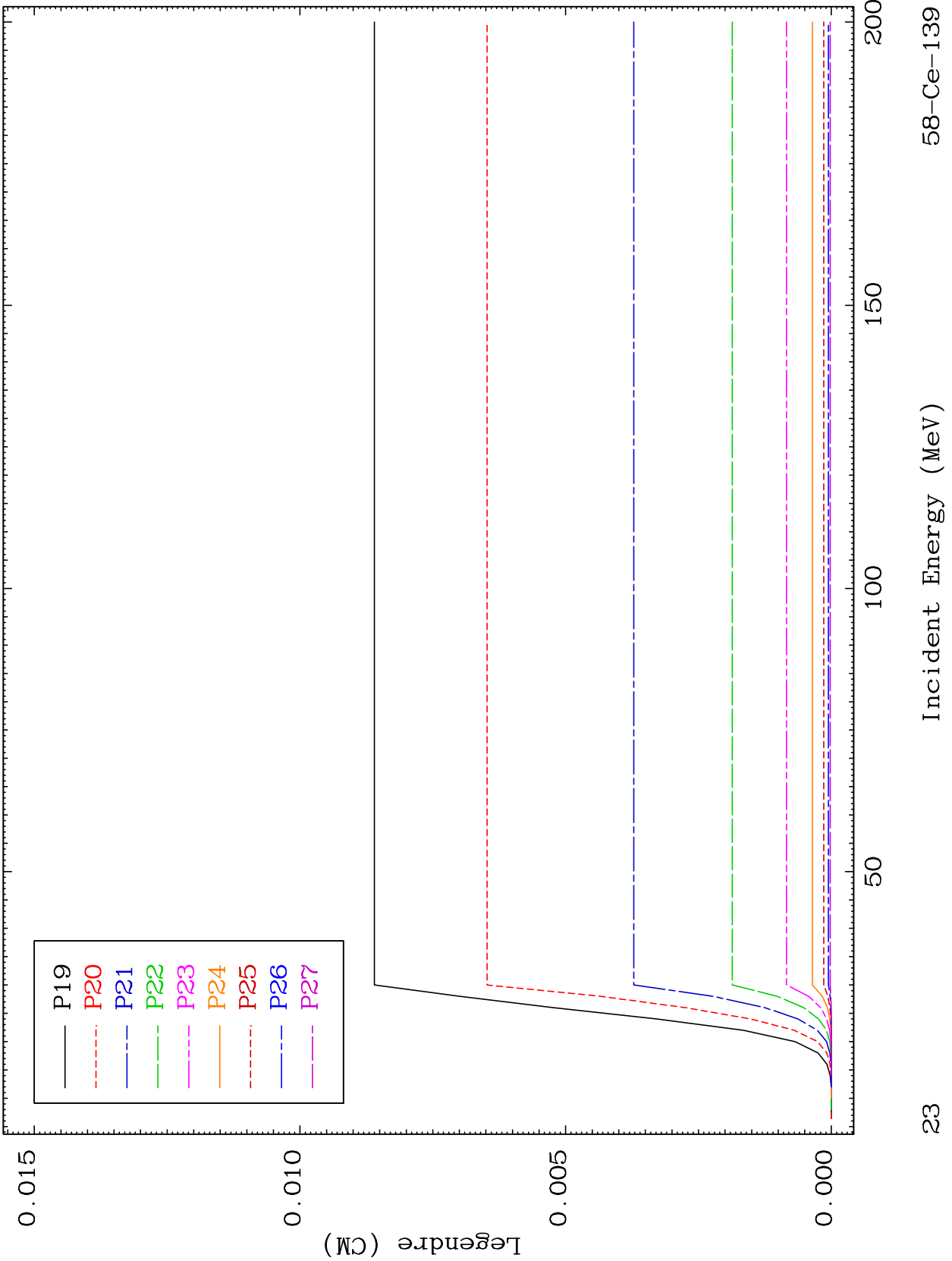
21



MAT 5834

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

58-Ce-139

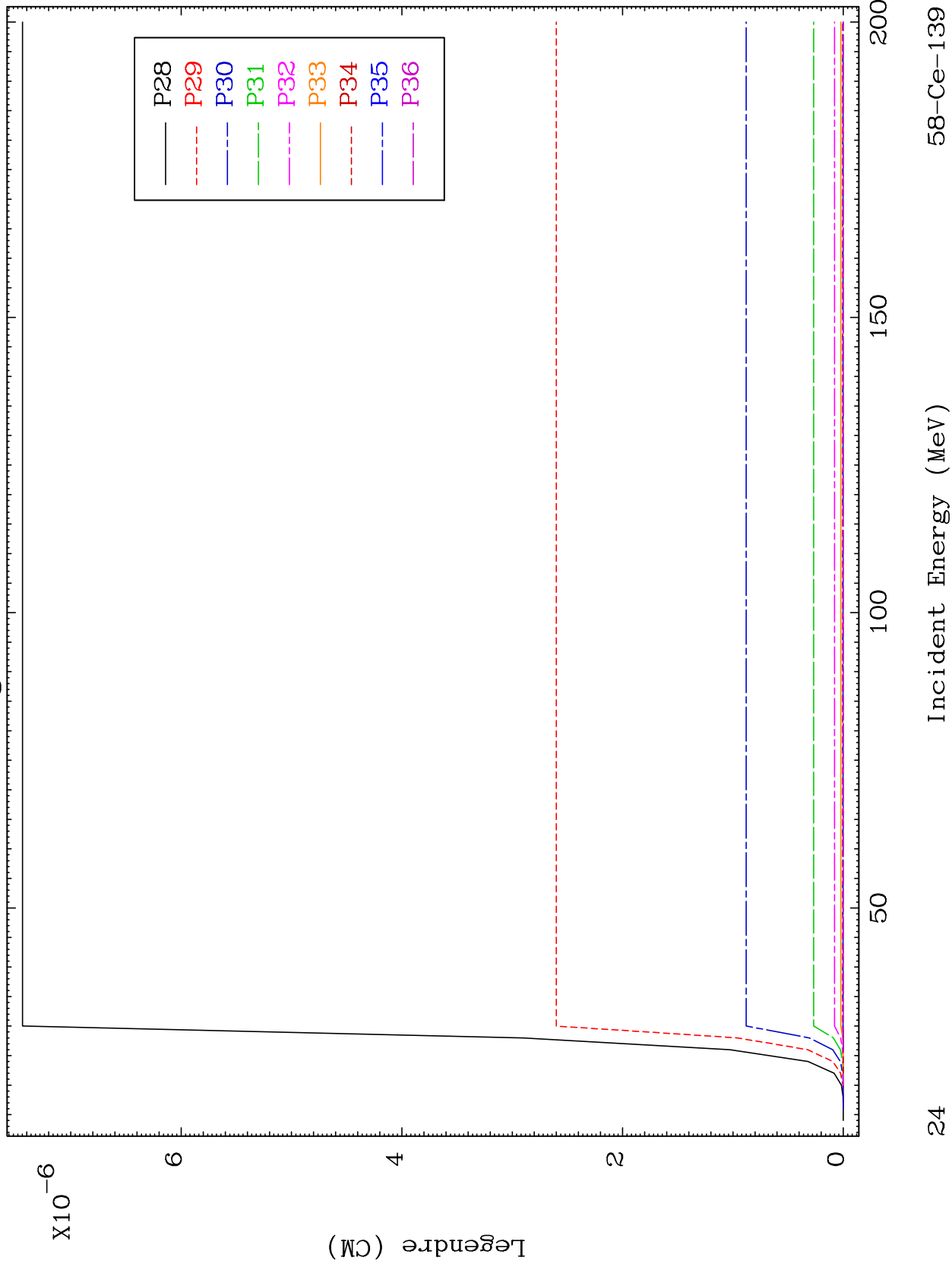




MAT 5834

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

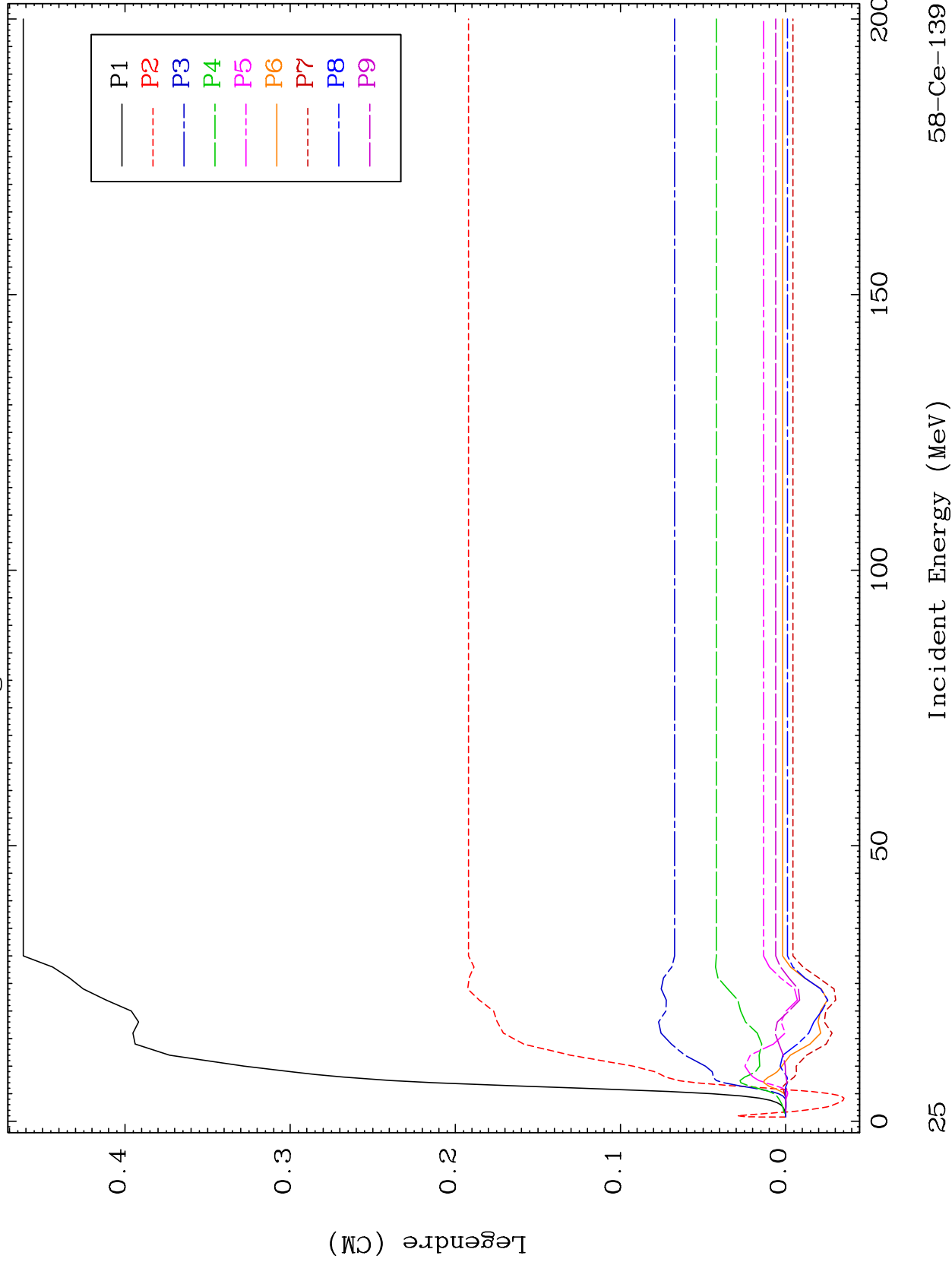
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

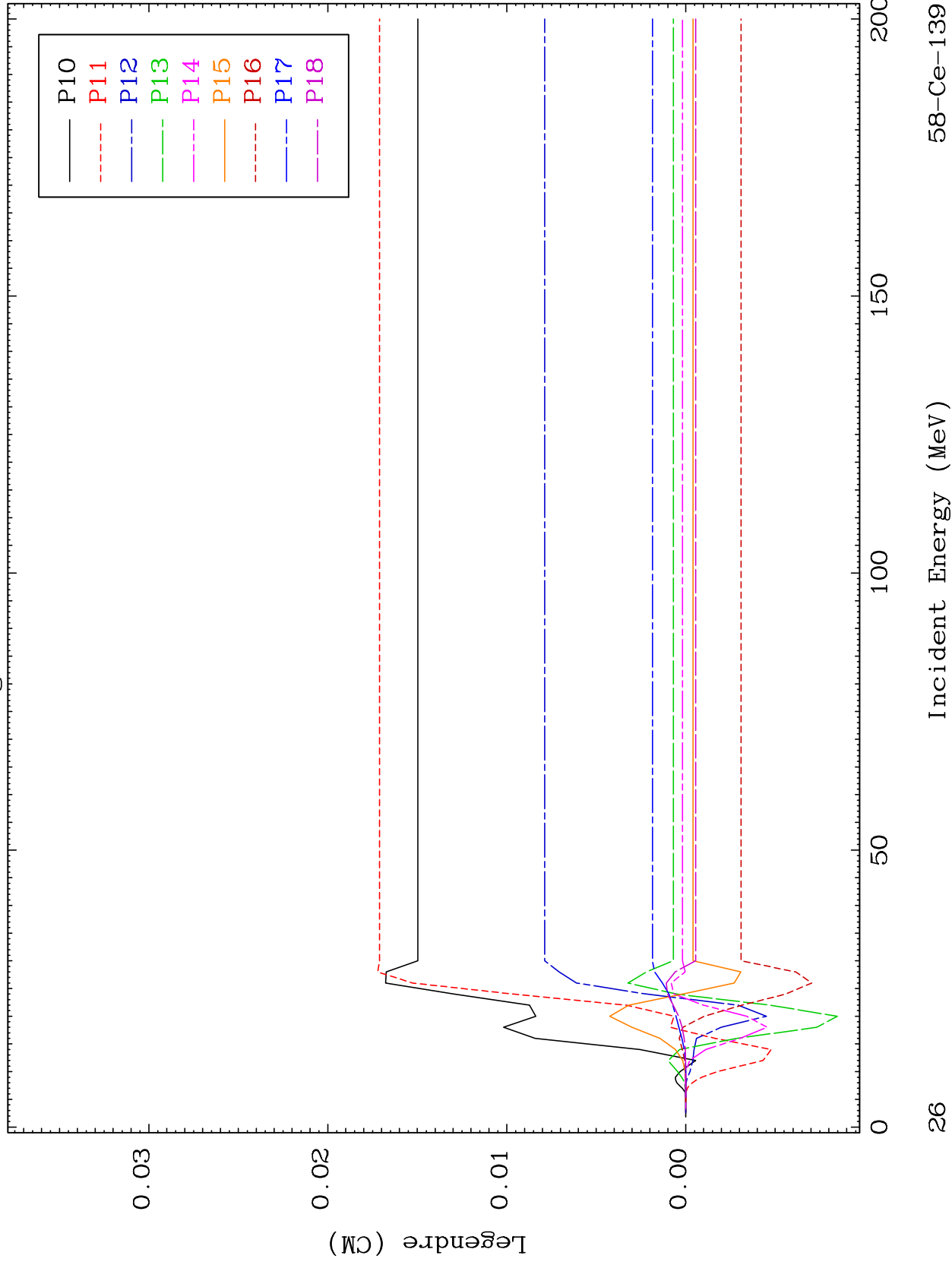
Incident Energy (MeV)

25

MAT 5834

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

58-Ce-139



58-Ce-139

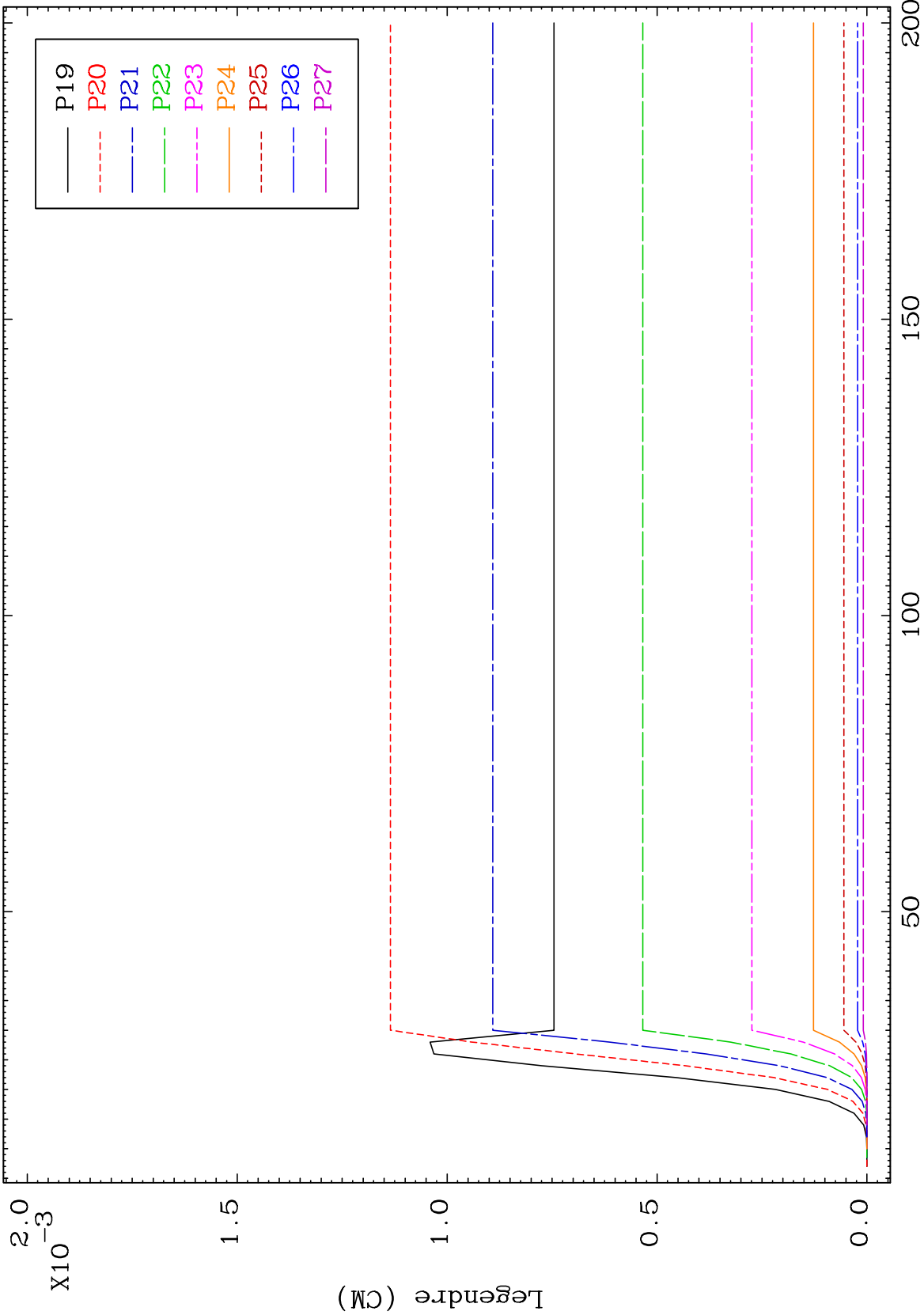
Incident Energy (MeV)

26

MAT 5834

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

58-Ce-139



27

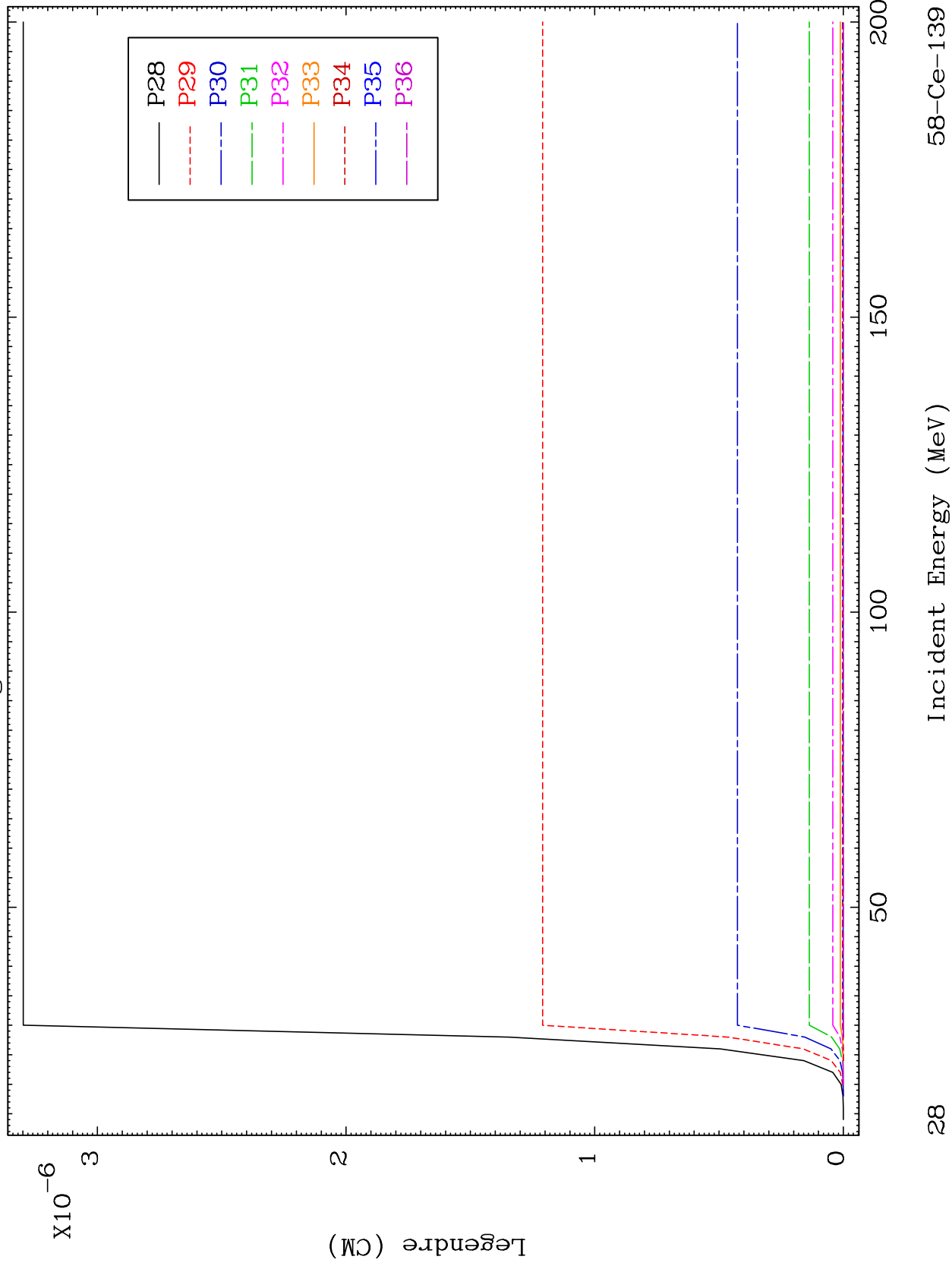
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

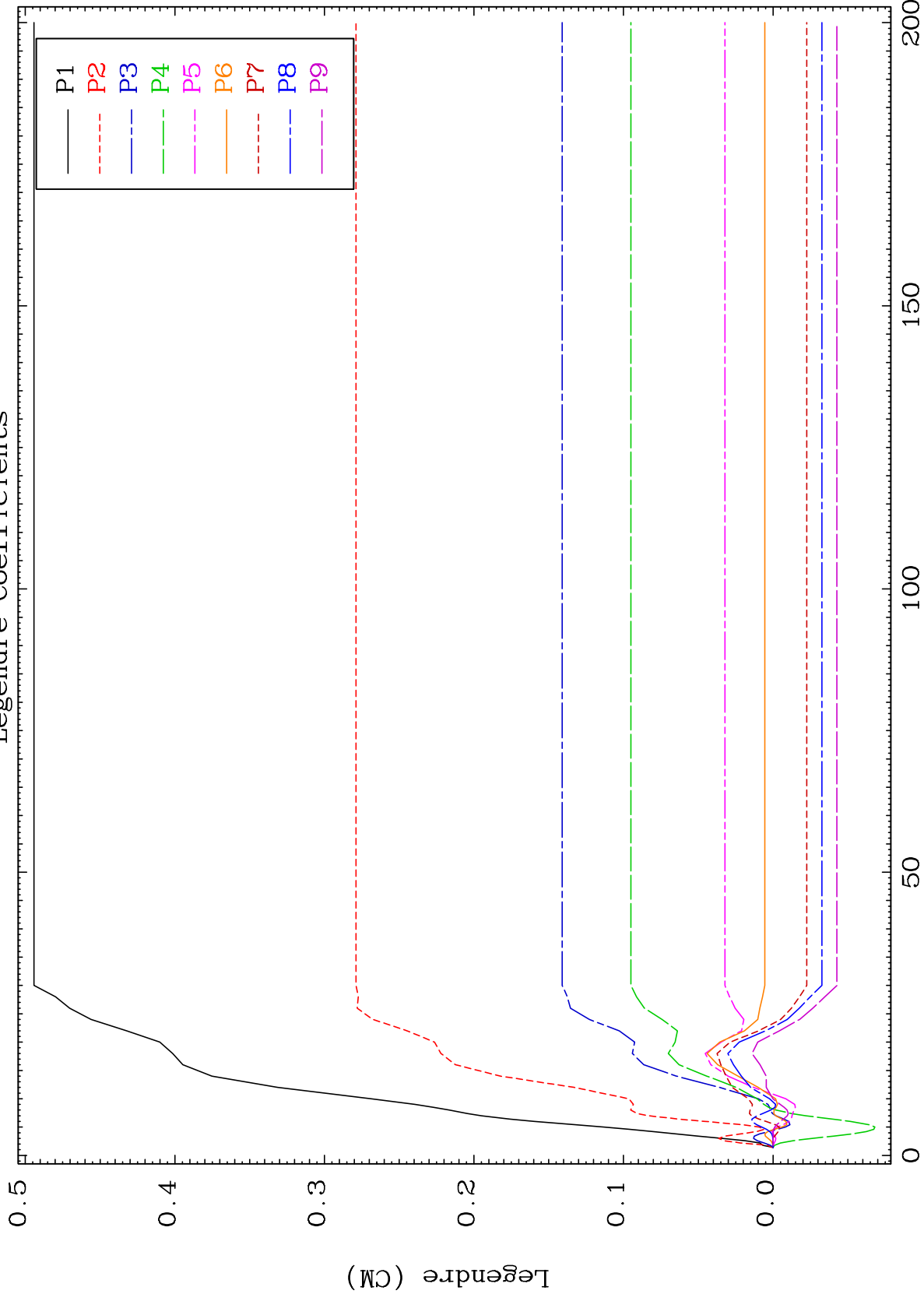
58-Ce-139



MAT 5834

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

58-Ce-139



29

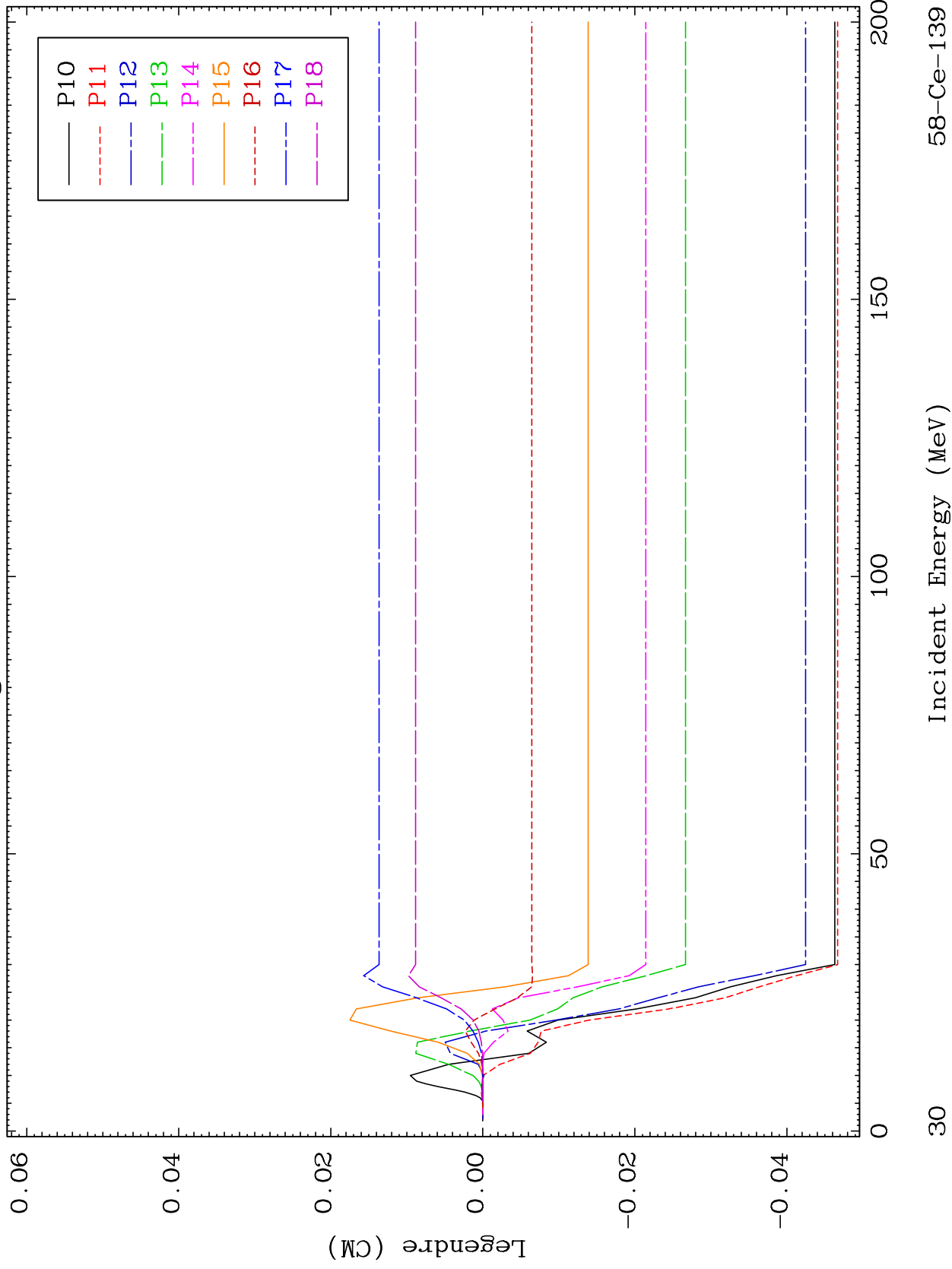
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

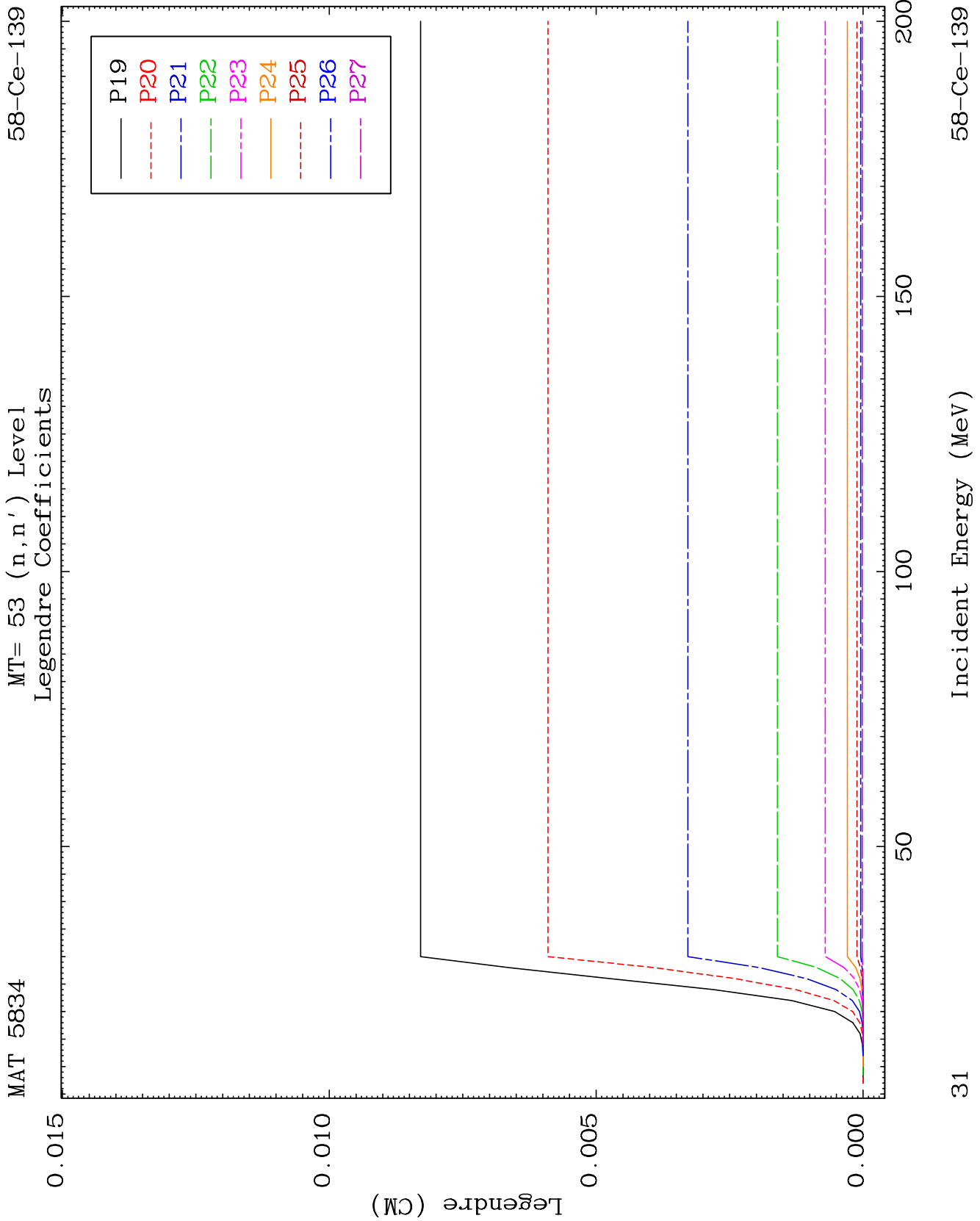
58-Ce-139



58-Ce-139

Incident Energy (MeV)

30





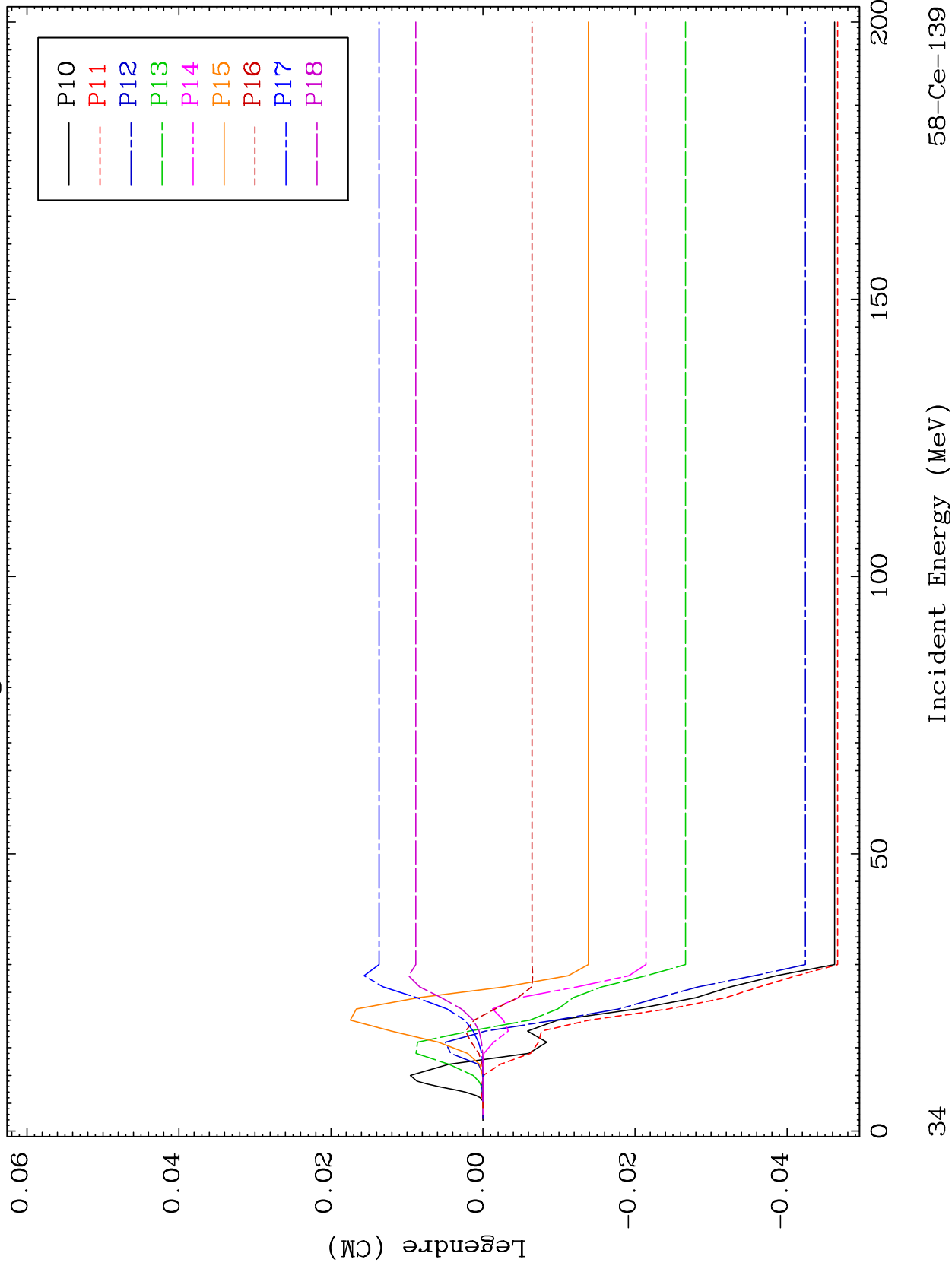




MAT 5834

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

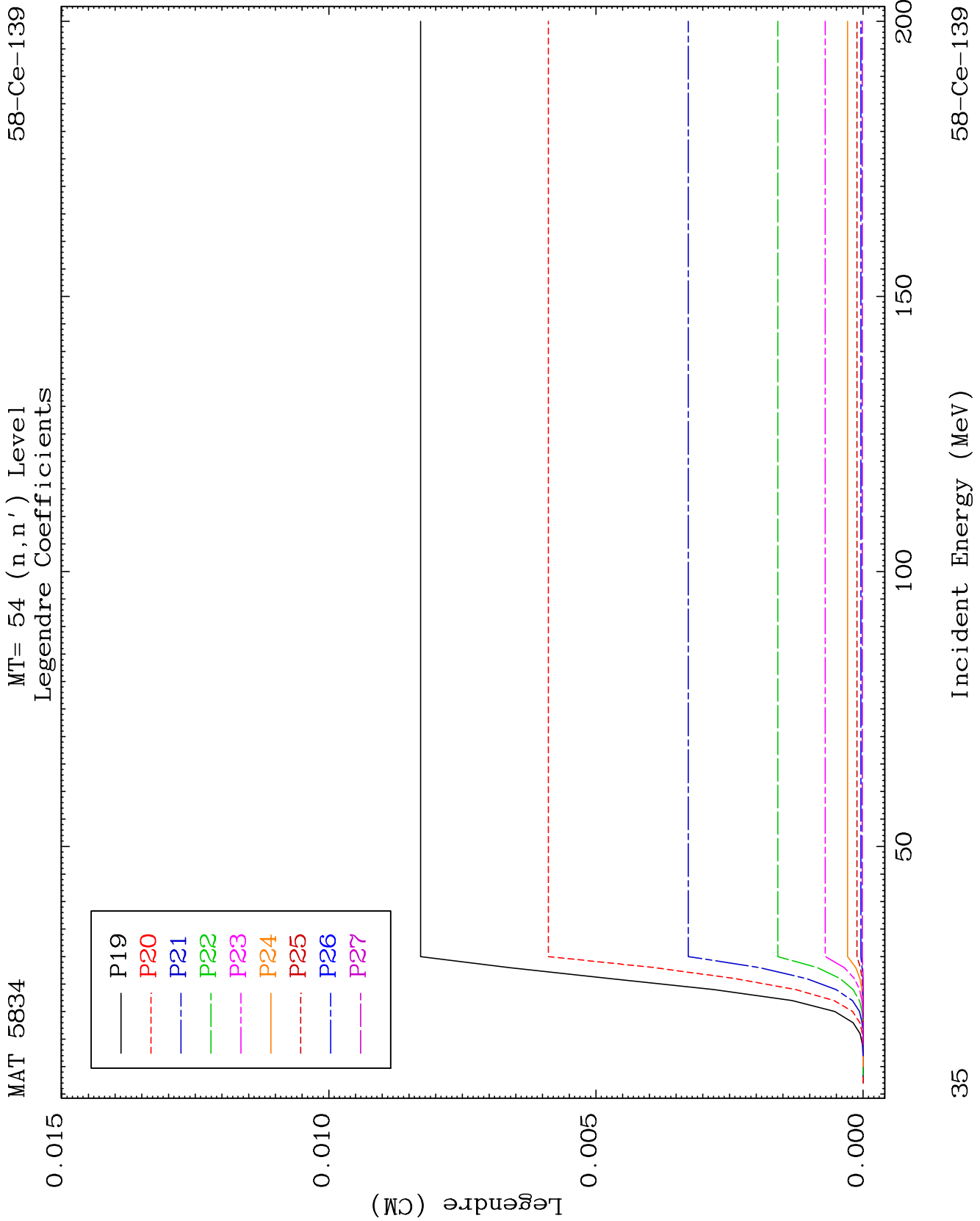
58-Ce-139



34

Incident Energy (MeV)

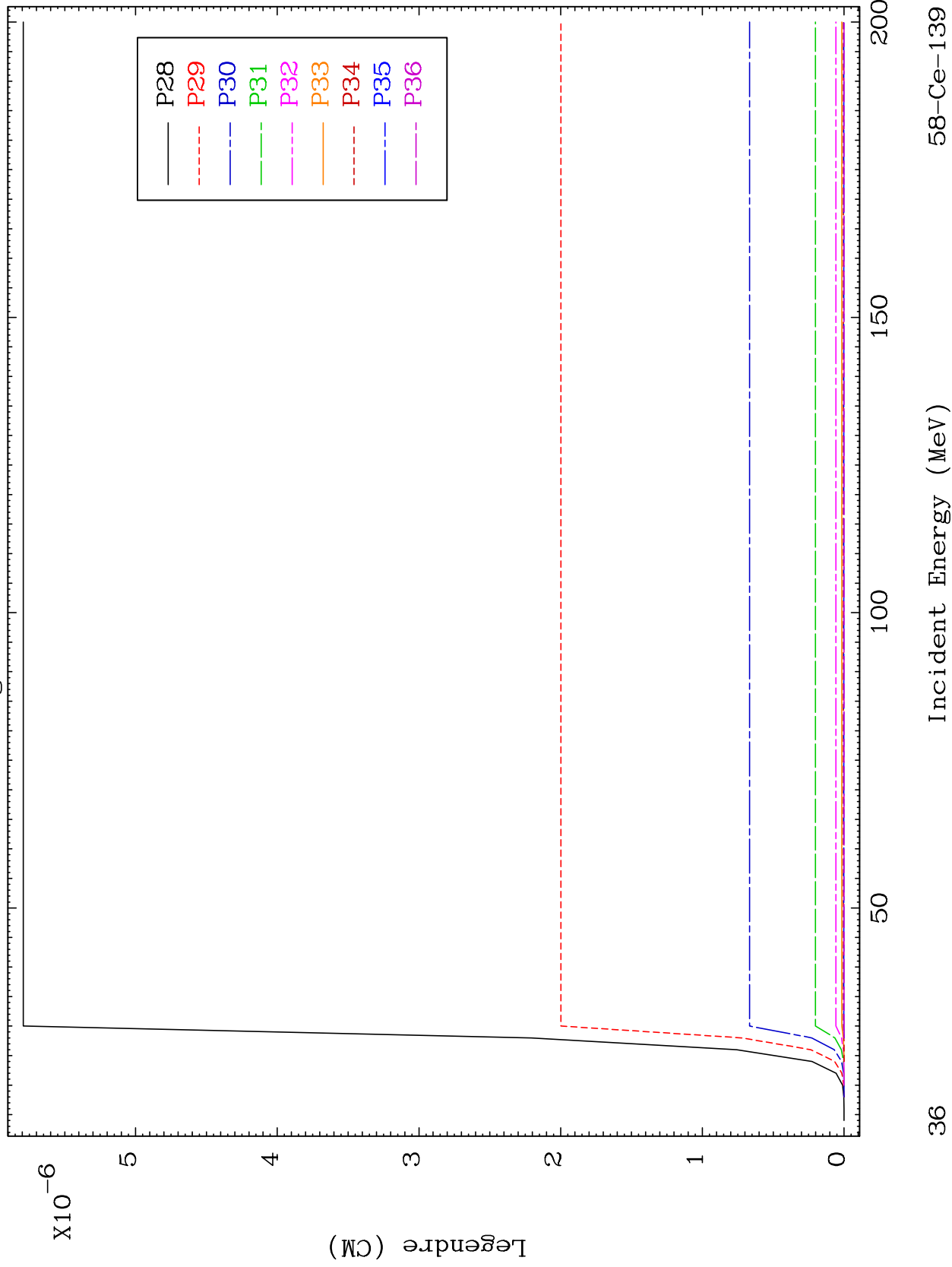
58-Ce-139

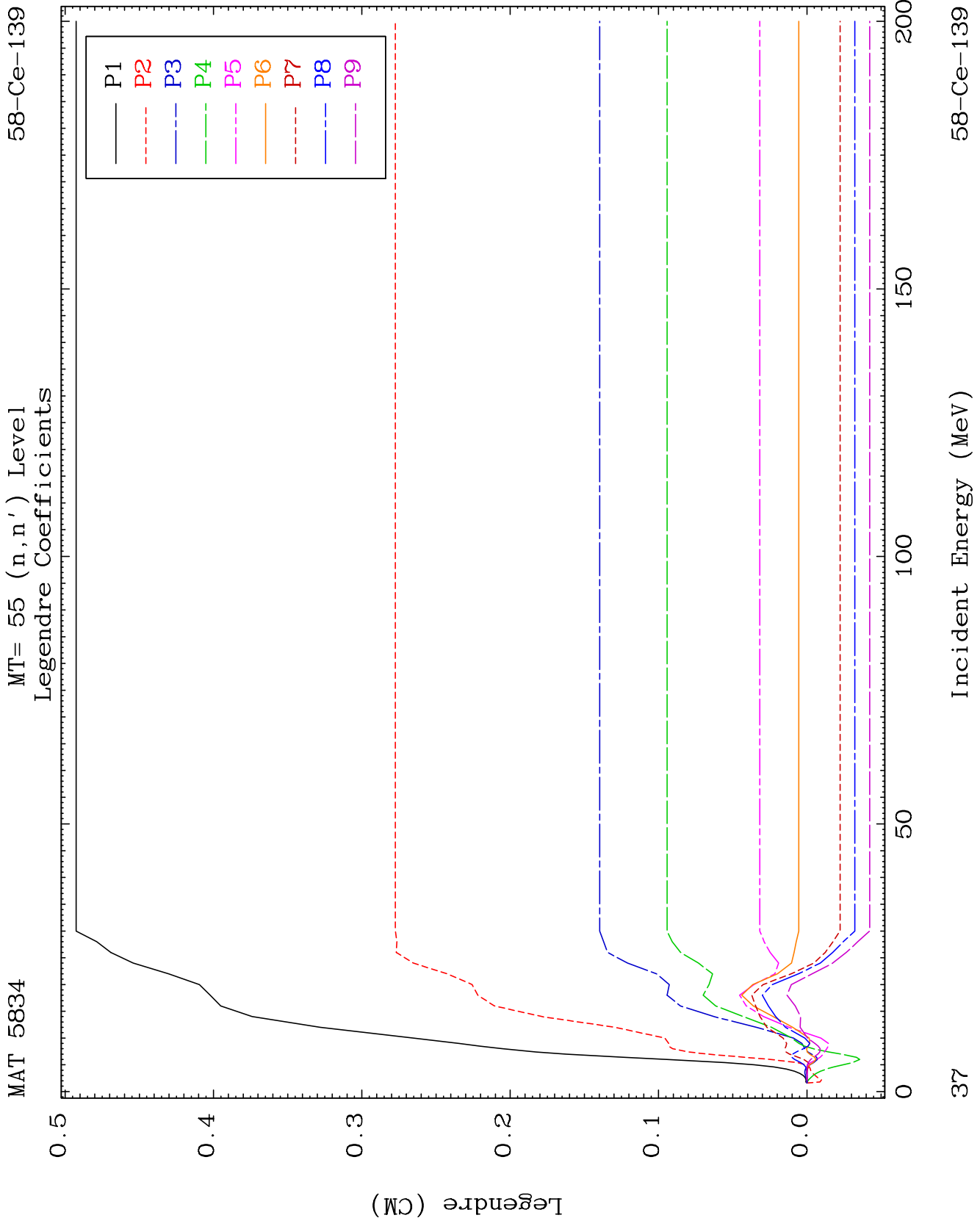


MAT 5834

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

58-Ce-139

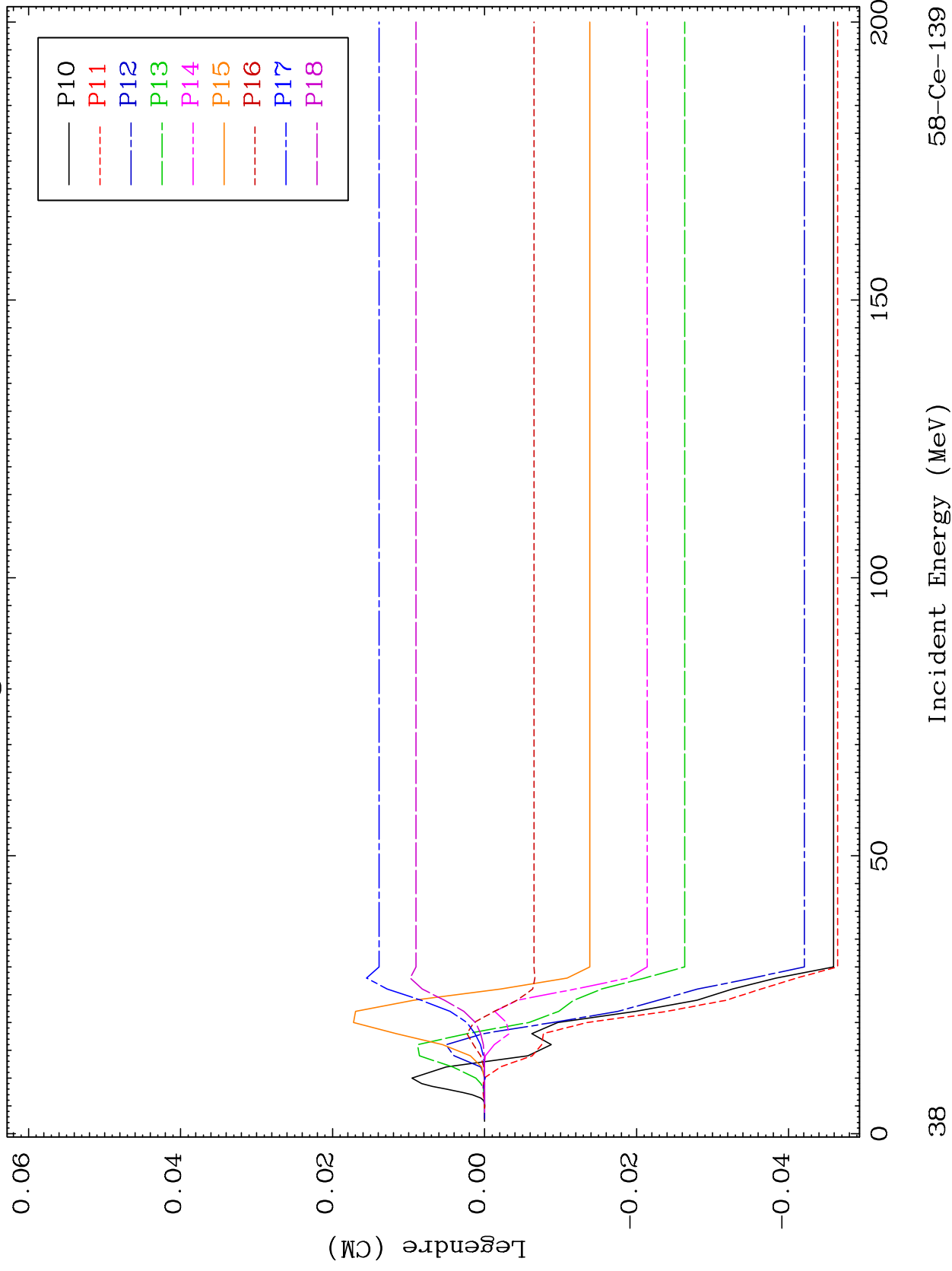




MAT 5834

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

58-Ce-139



58-Ce-139

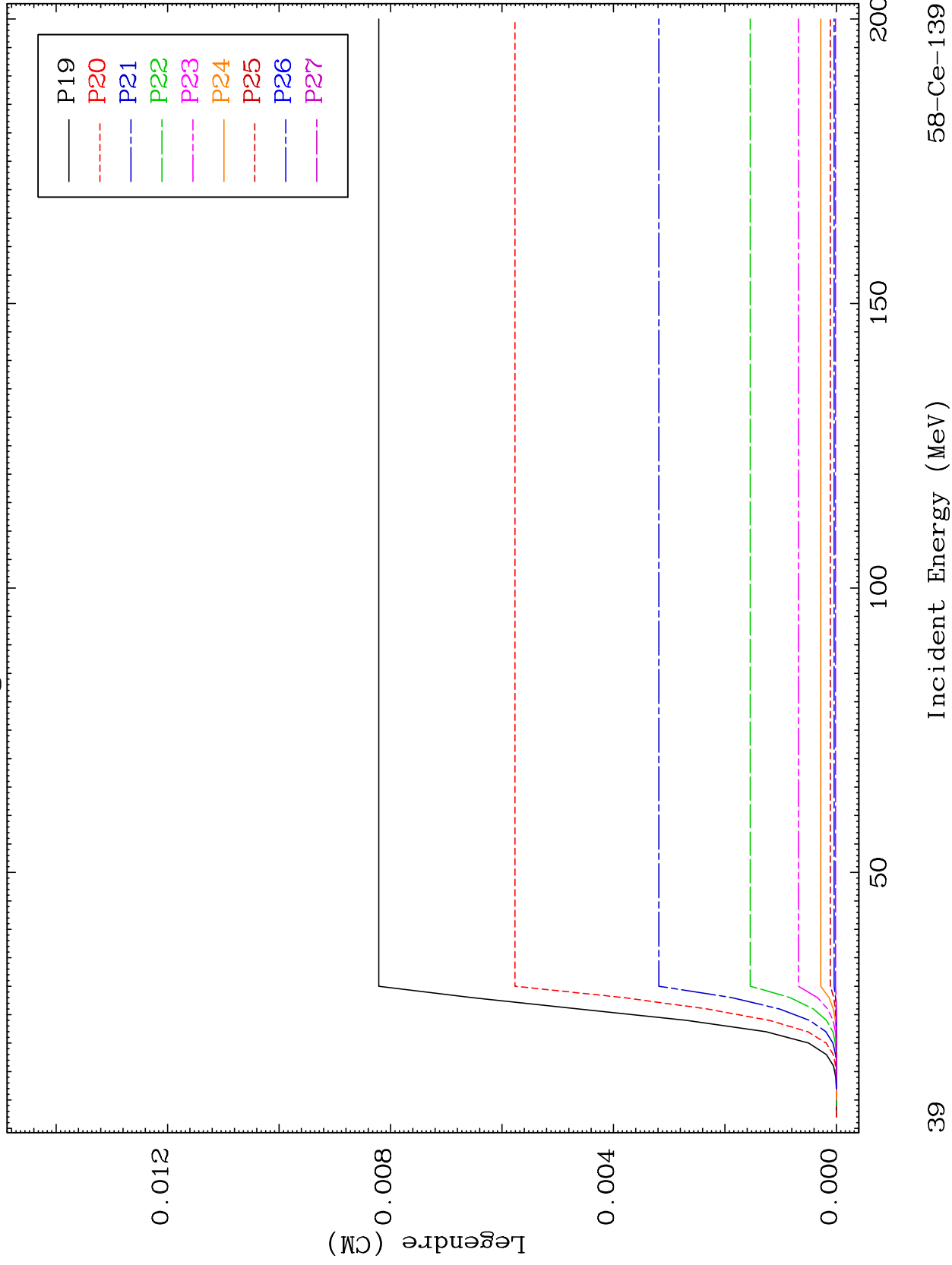
Incident Energy (MeV)

38

MAT 5834

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

58-Ce-139



39

Incident Energy (MeV)

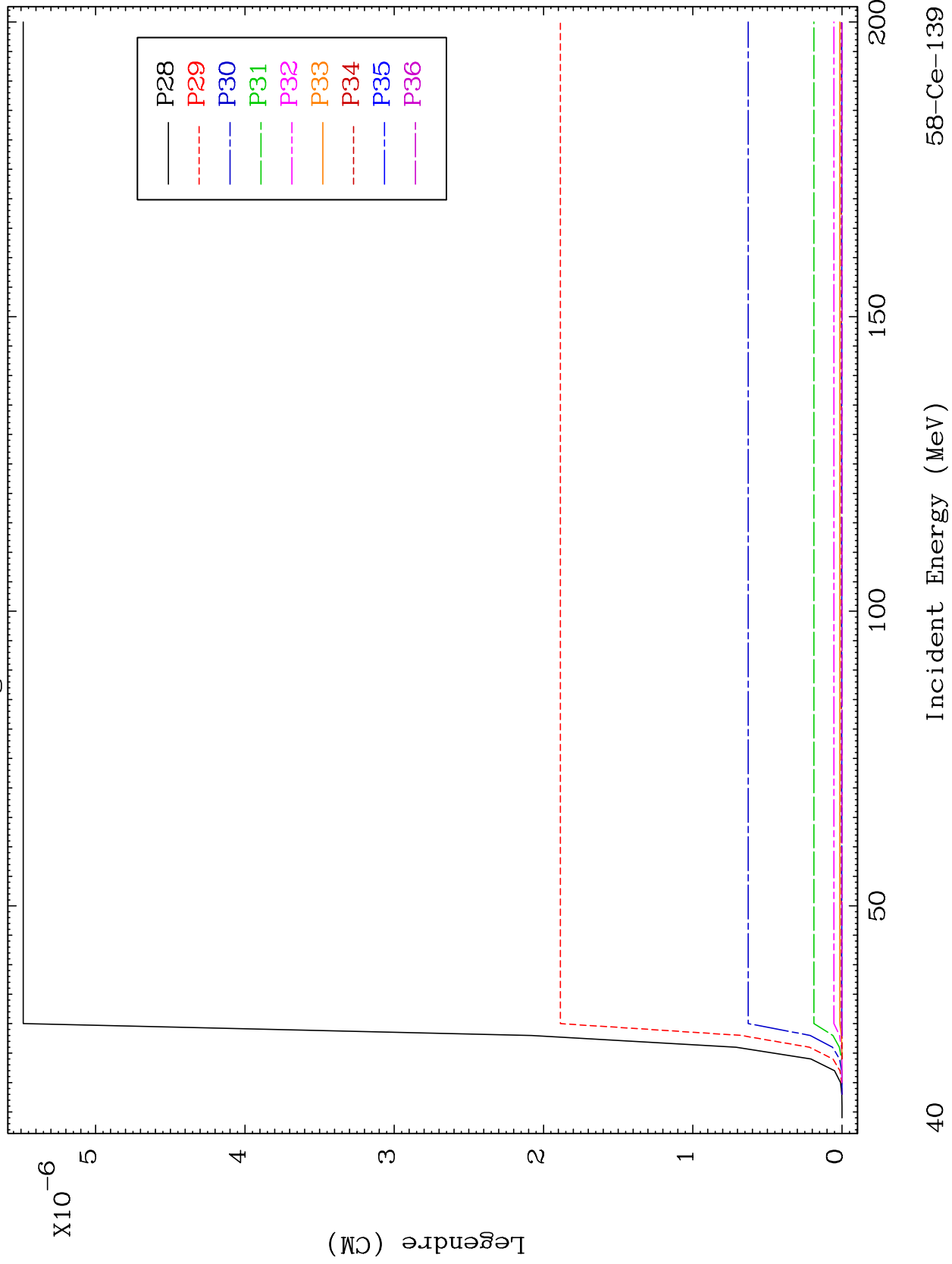
58-Ce-139

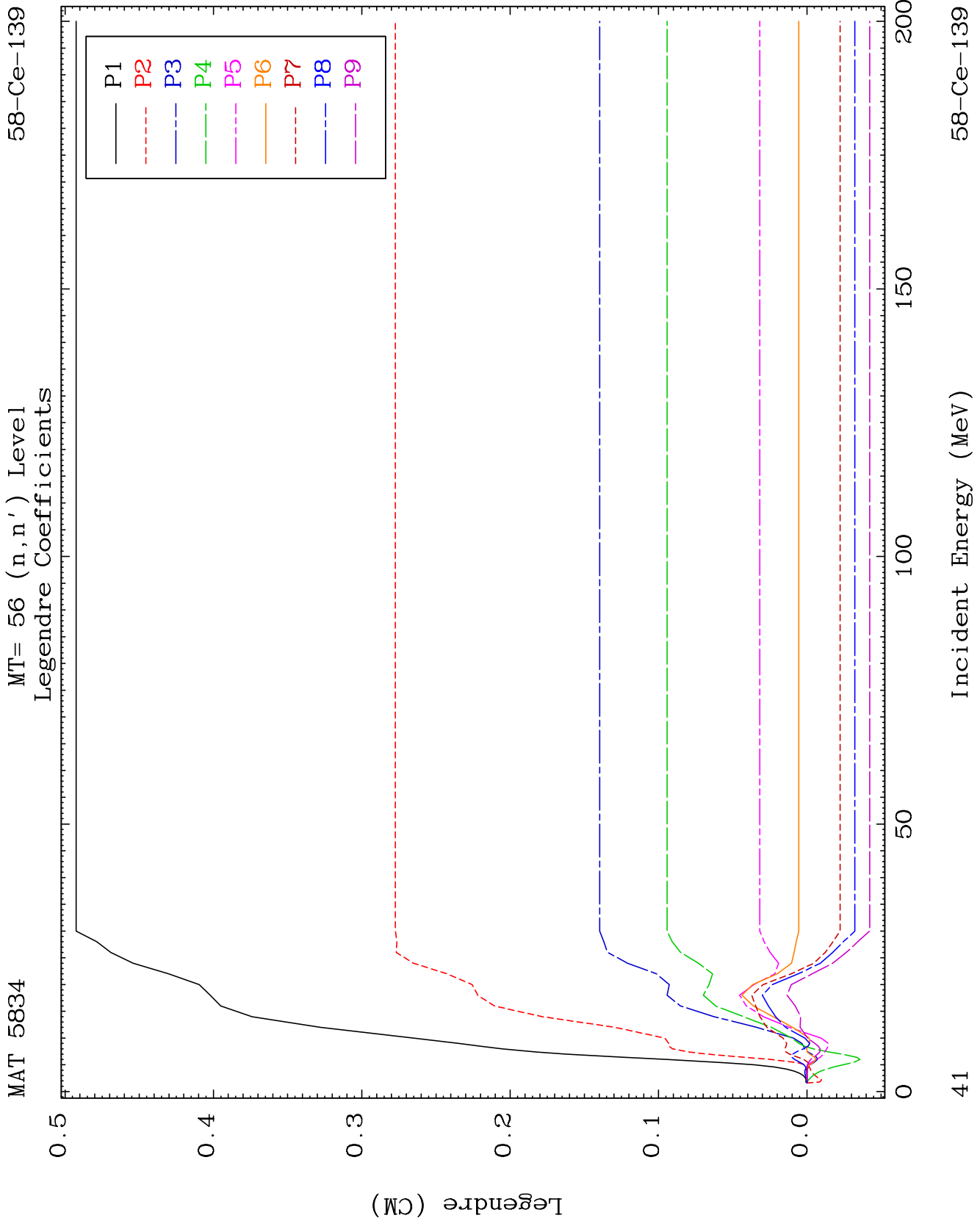


MAT 5834

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

58-Ce-139

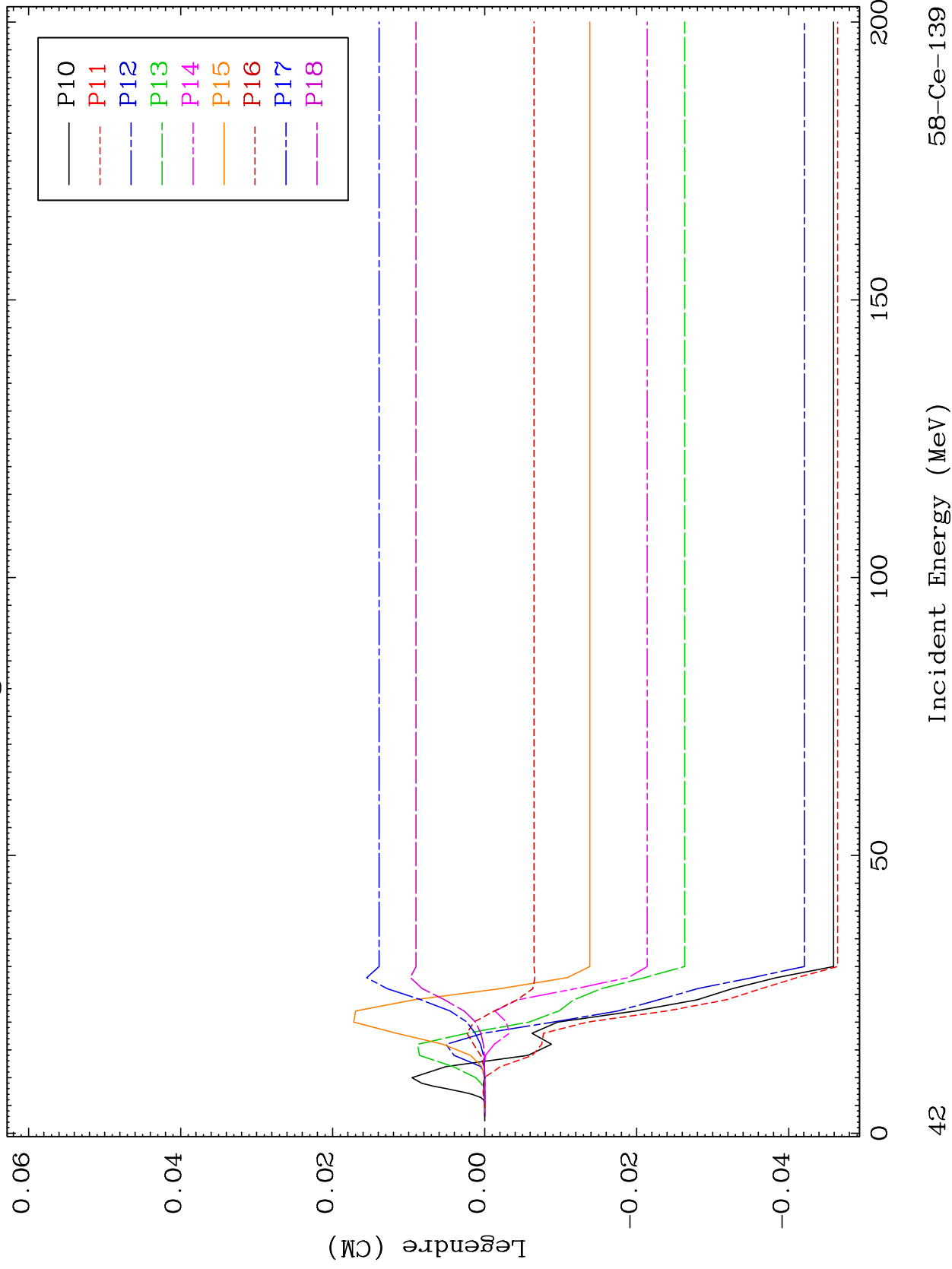




MAT 5834

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

58-Ce-139



58-Ce-139

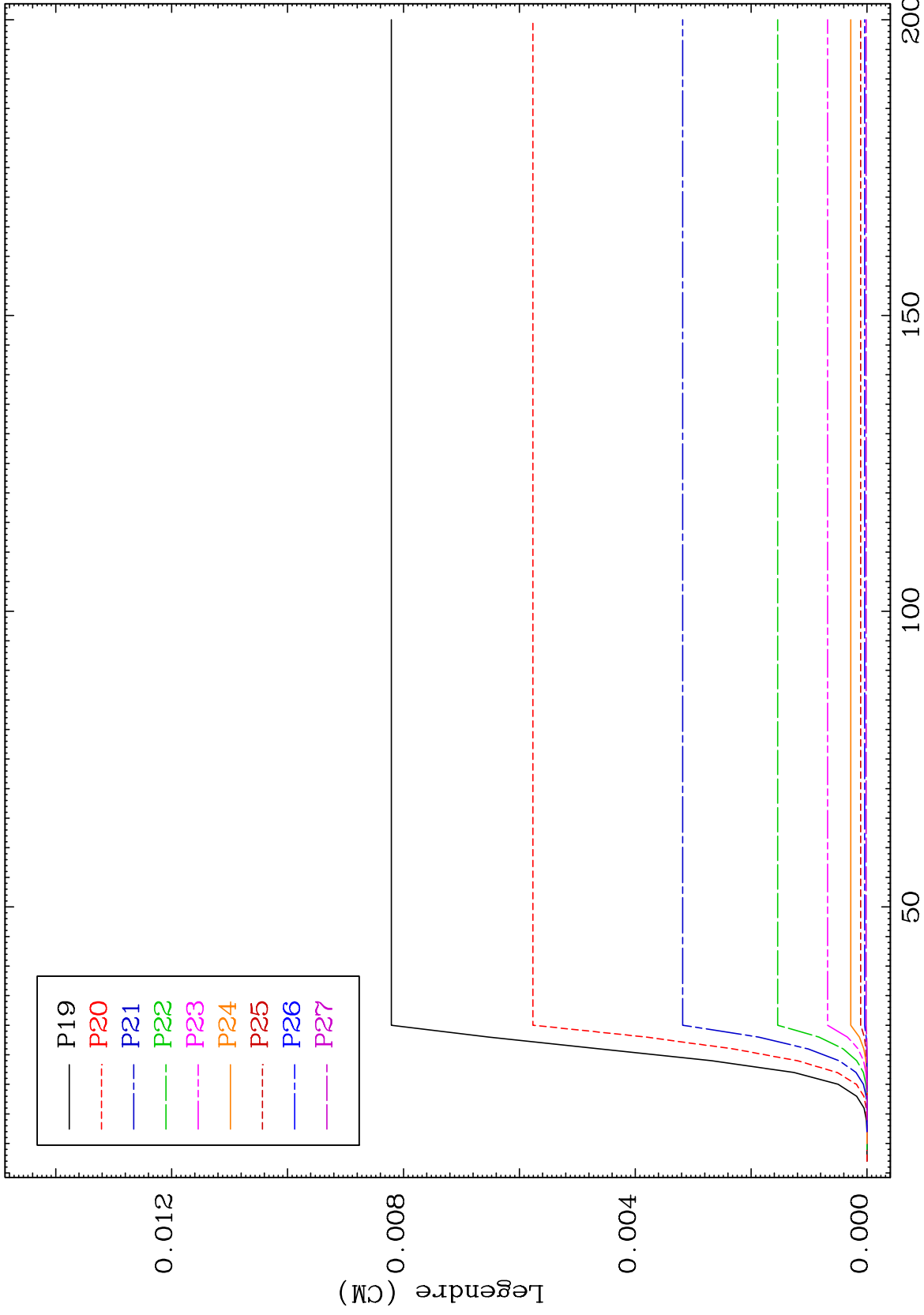
Incident Energy (MeV)

42

MAT 5834

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

58-Ce-139



43

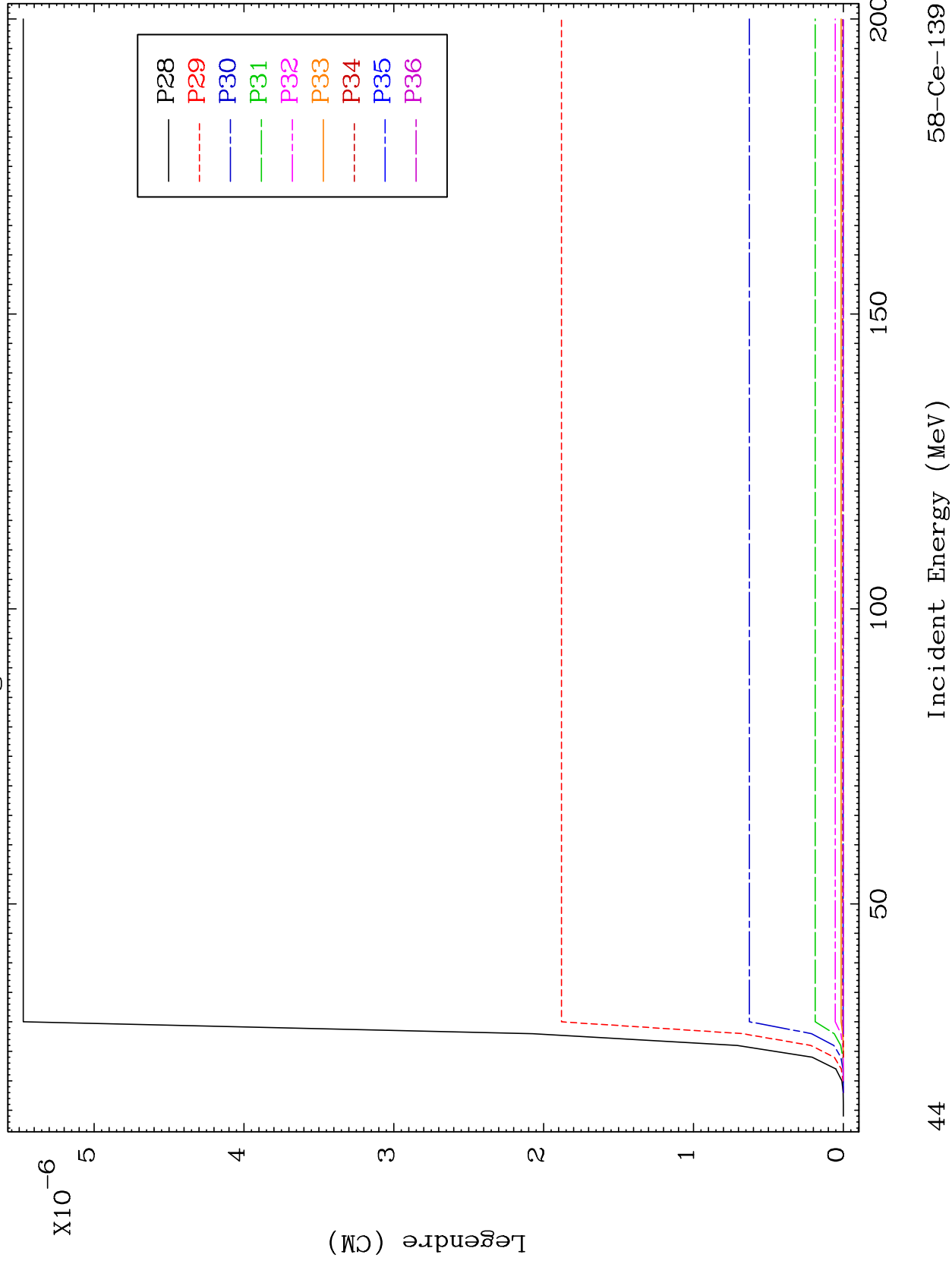
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



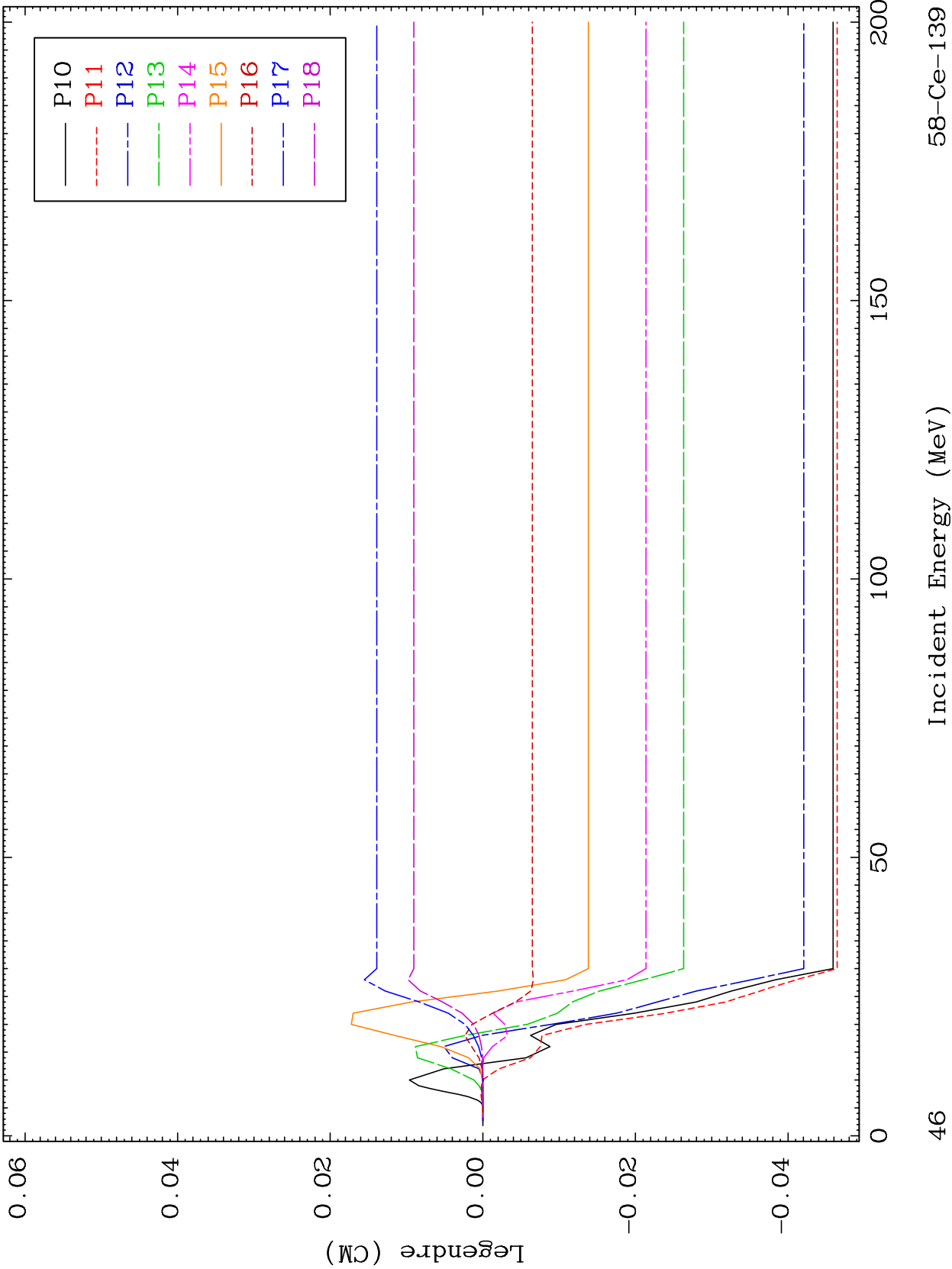
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MAT 5834

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

58-Ce-139



58-Ce-139

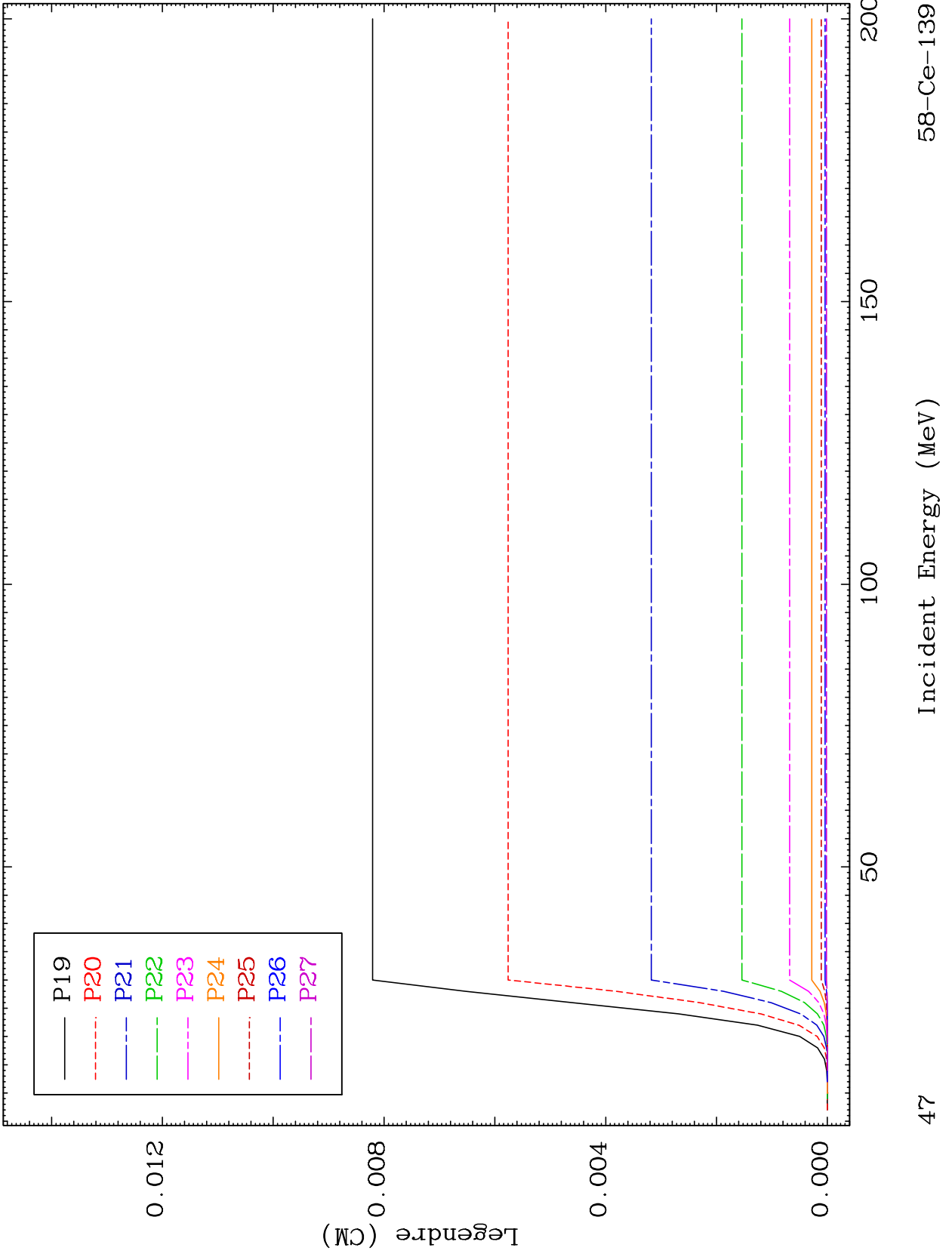
Incident Energy (MeV)

46

MAT 5834

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

58-Ce-139



47

Incident Energy (MeV)

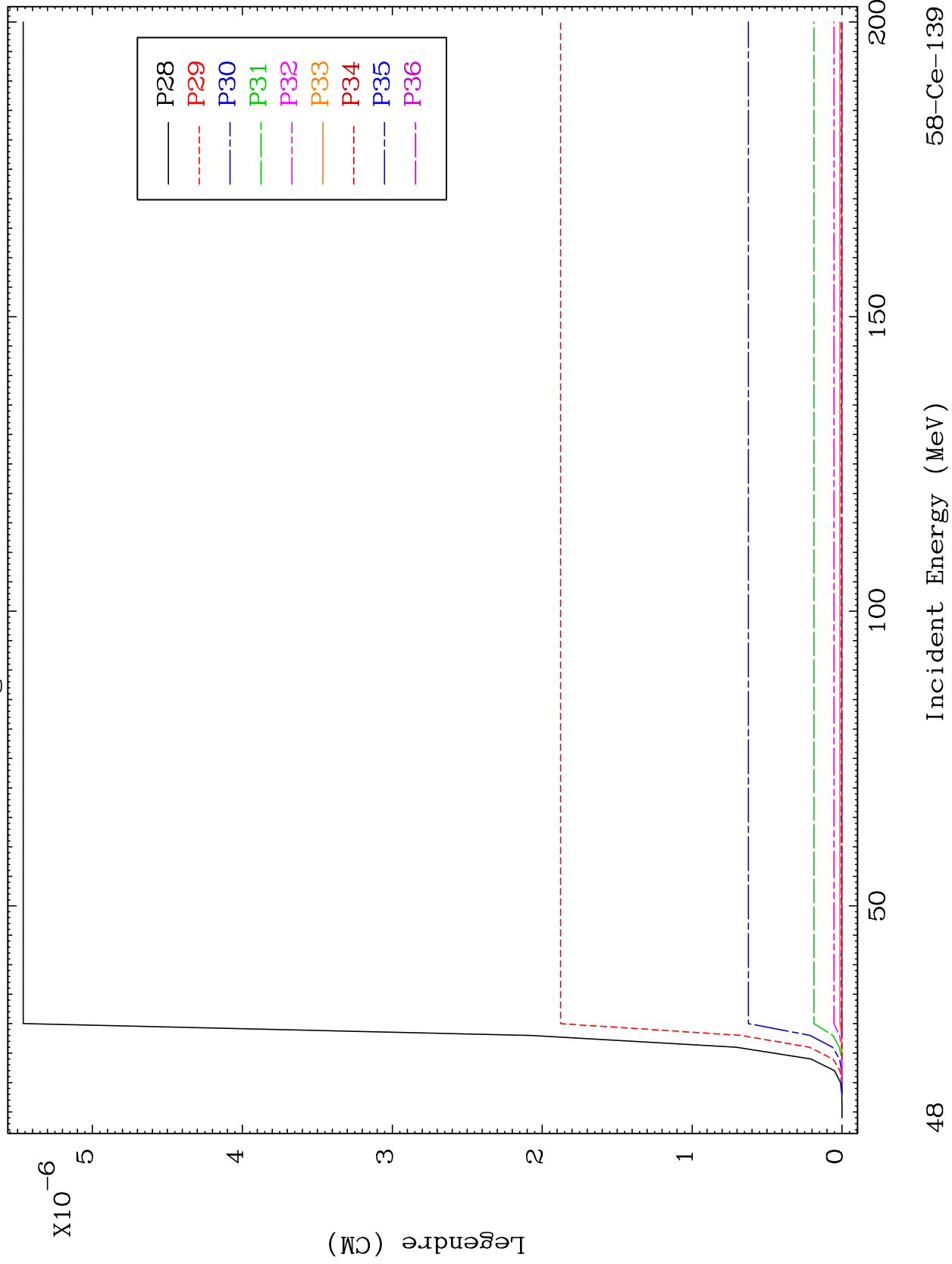
58-Ce-139



MAT 5834

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

58-Ce-139

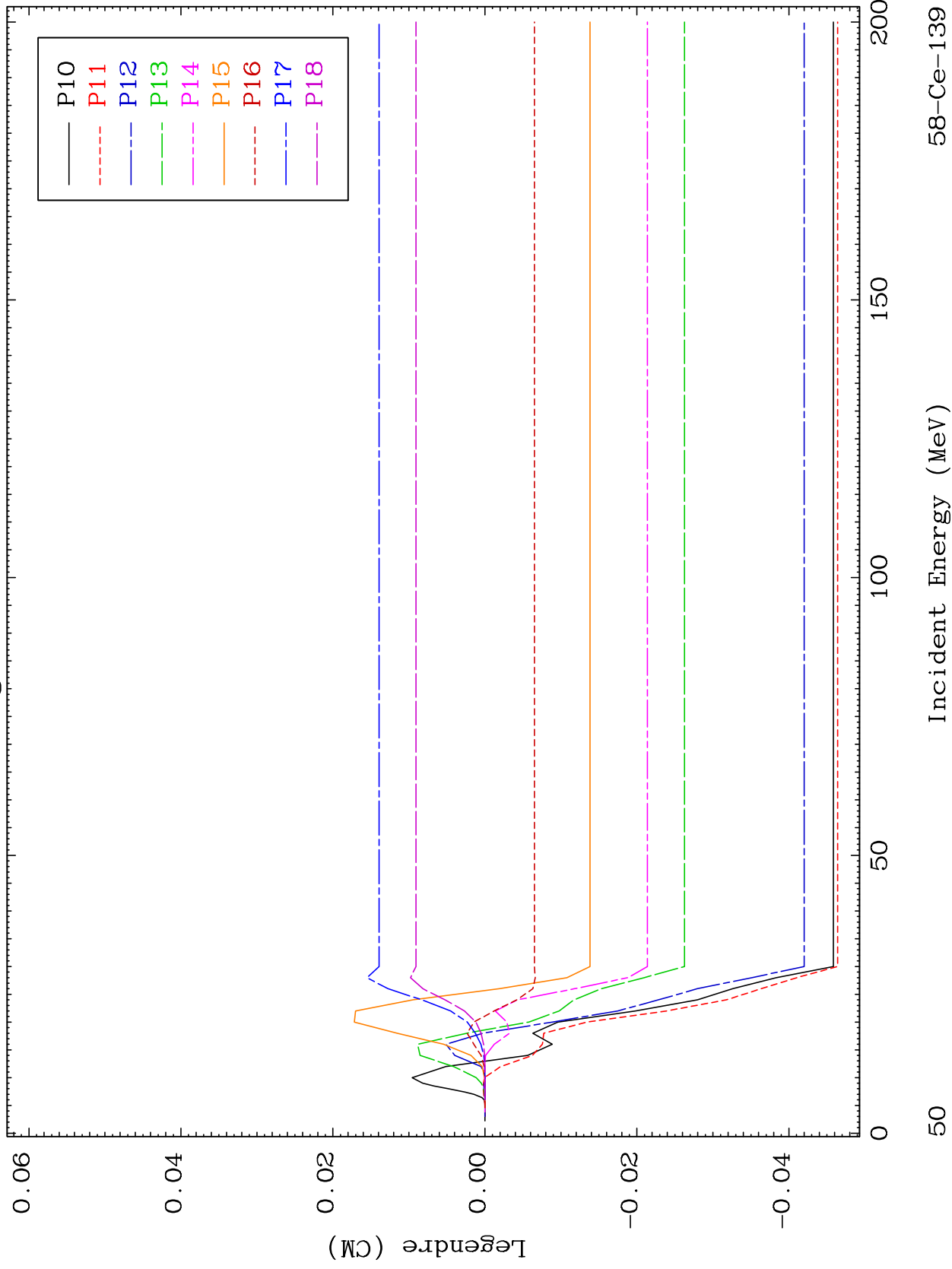




MAT 5834

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

58-Ce-139



58-Ce-139

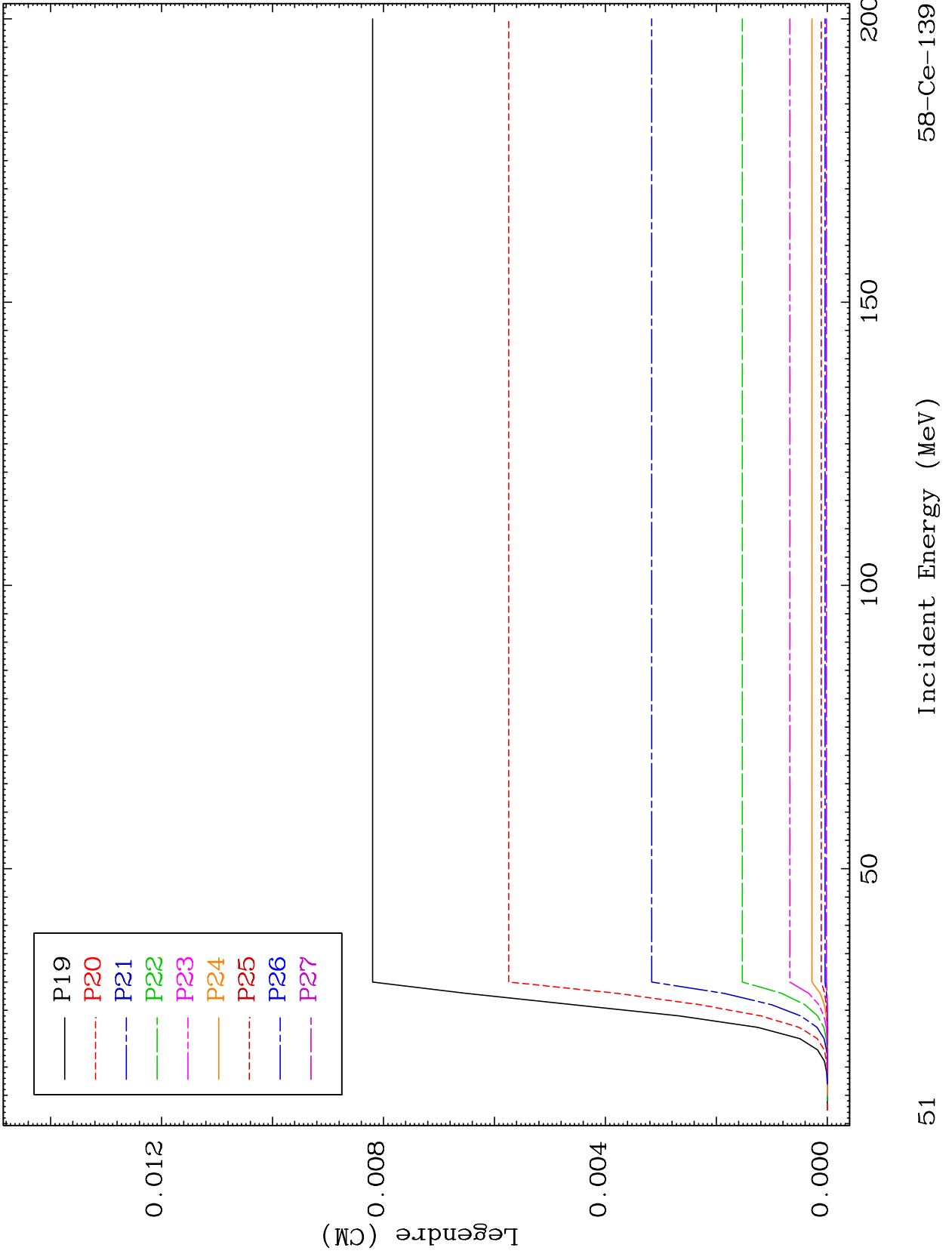
Incident Energy (MeV)

50

MAT 5834

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

58-Ce-139



51

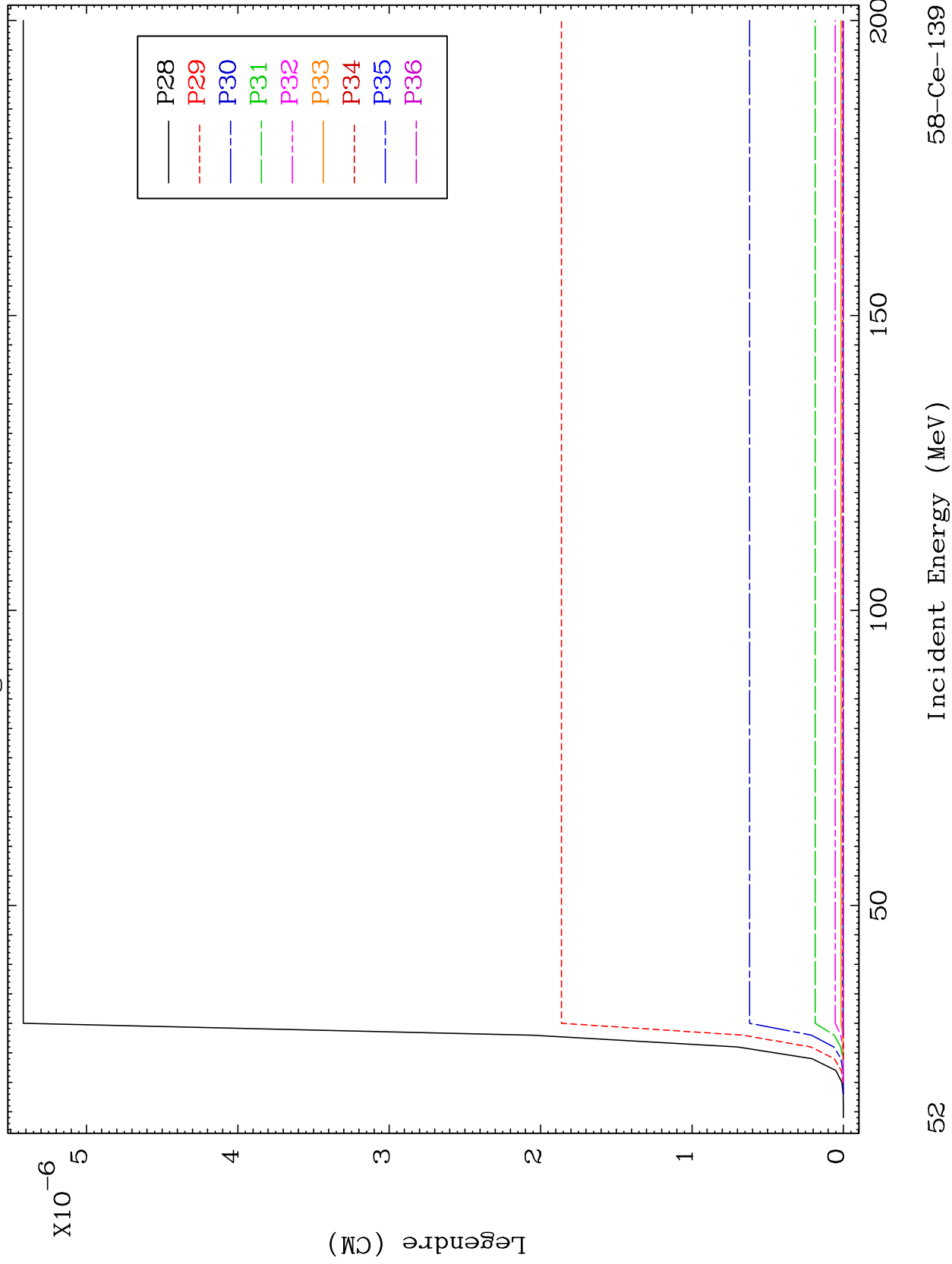
Incident Energy (MeV)

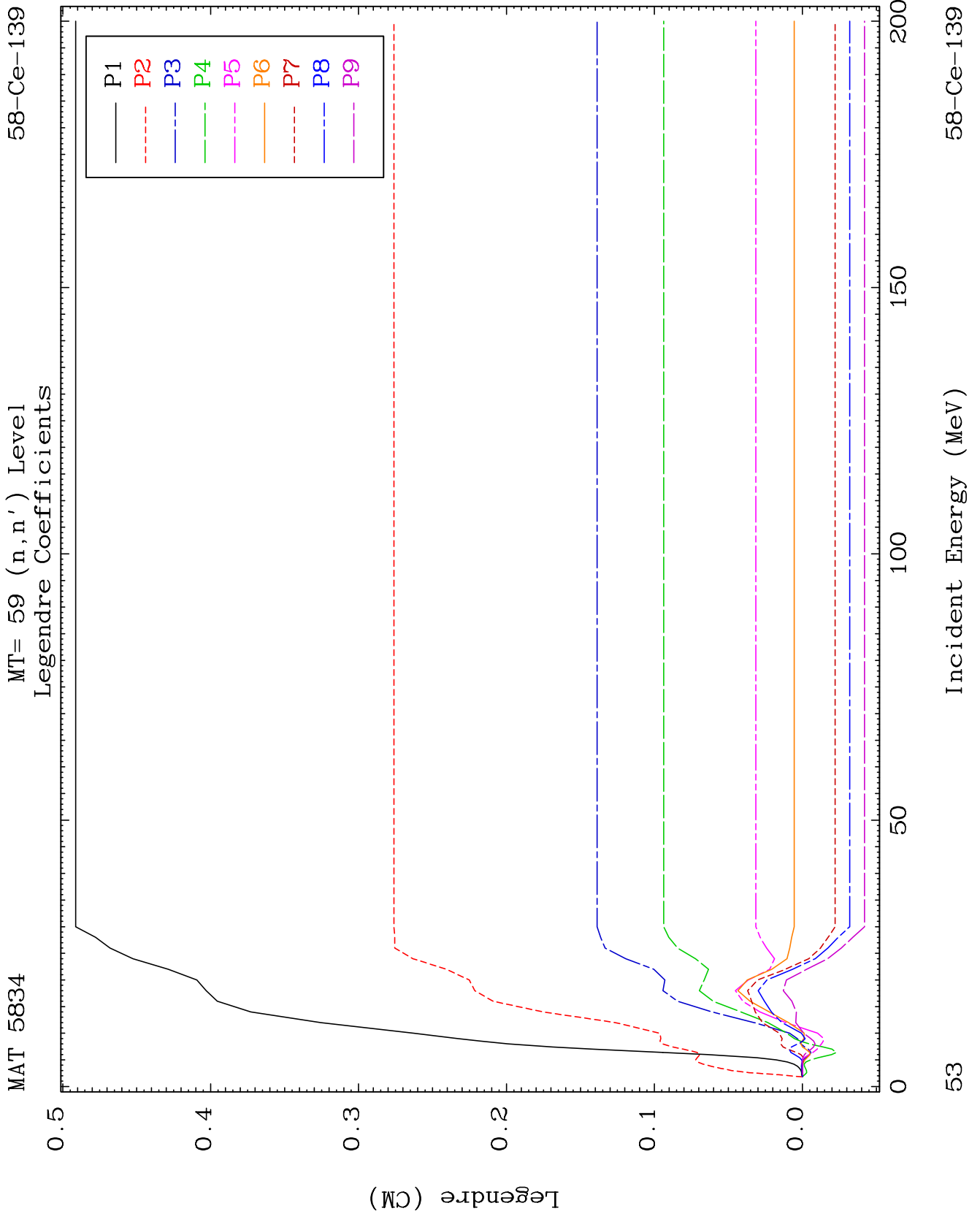
58-Ce-139

MAT 5834

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

58-Ce-139

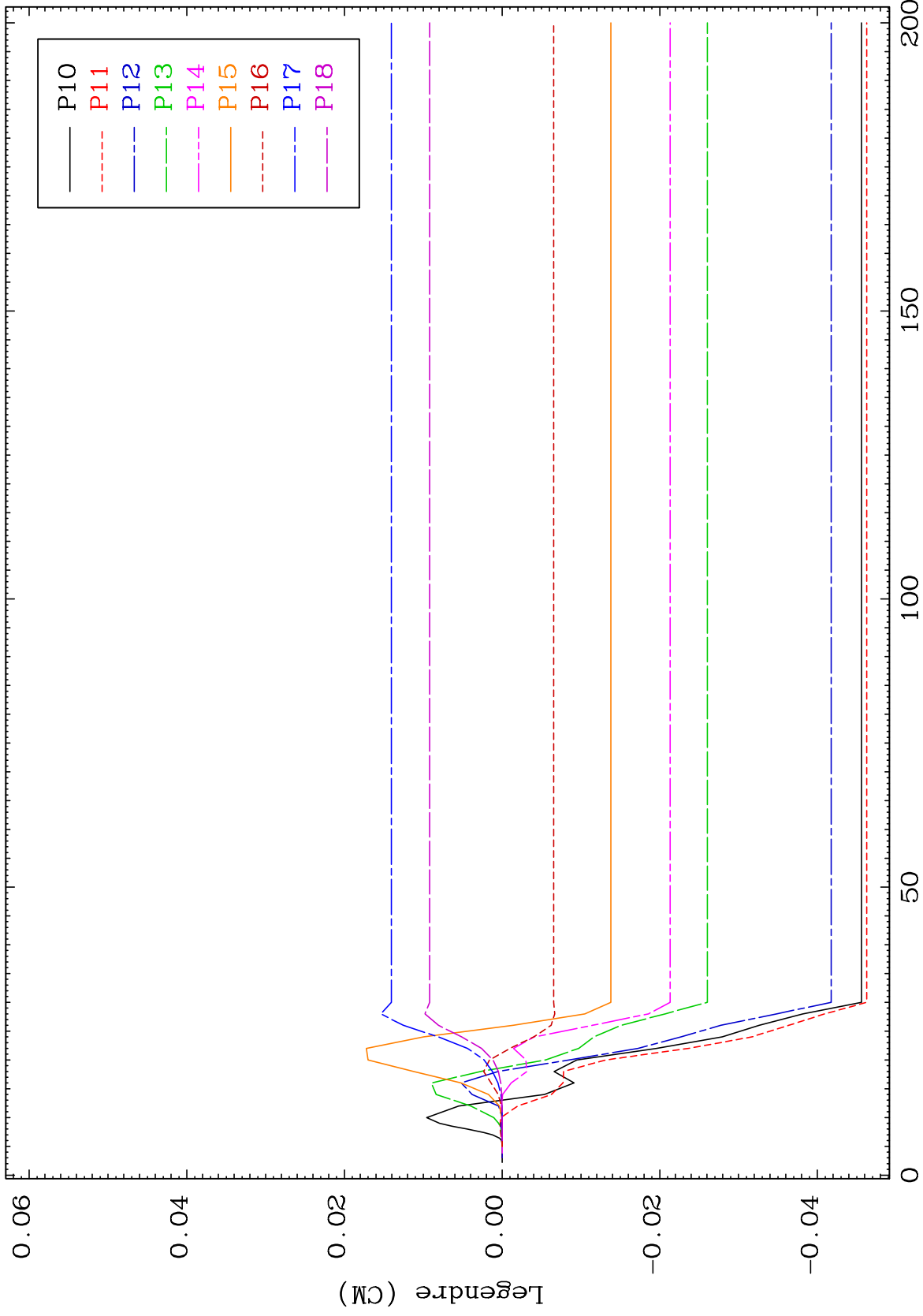




MAT 5834

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

58-Ce-139



54

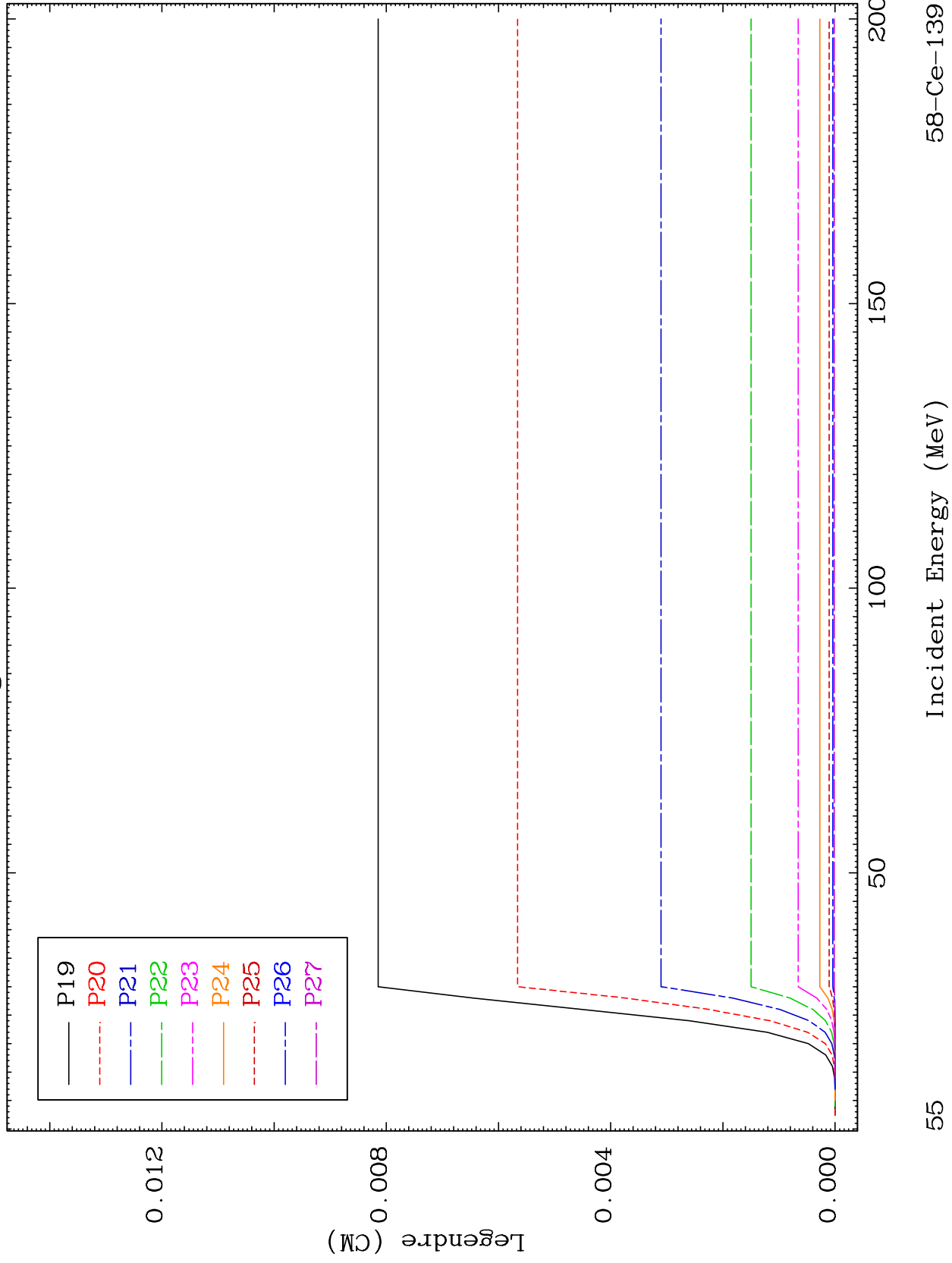
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

Incident Energy (MeV)

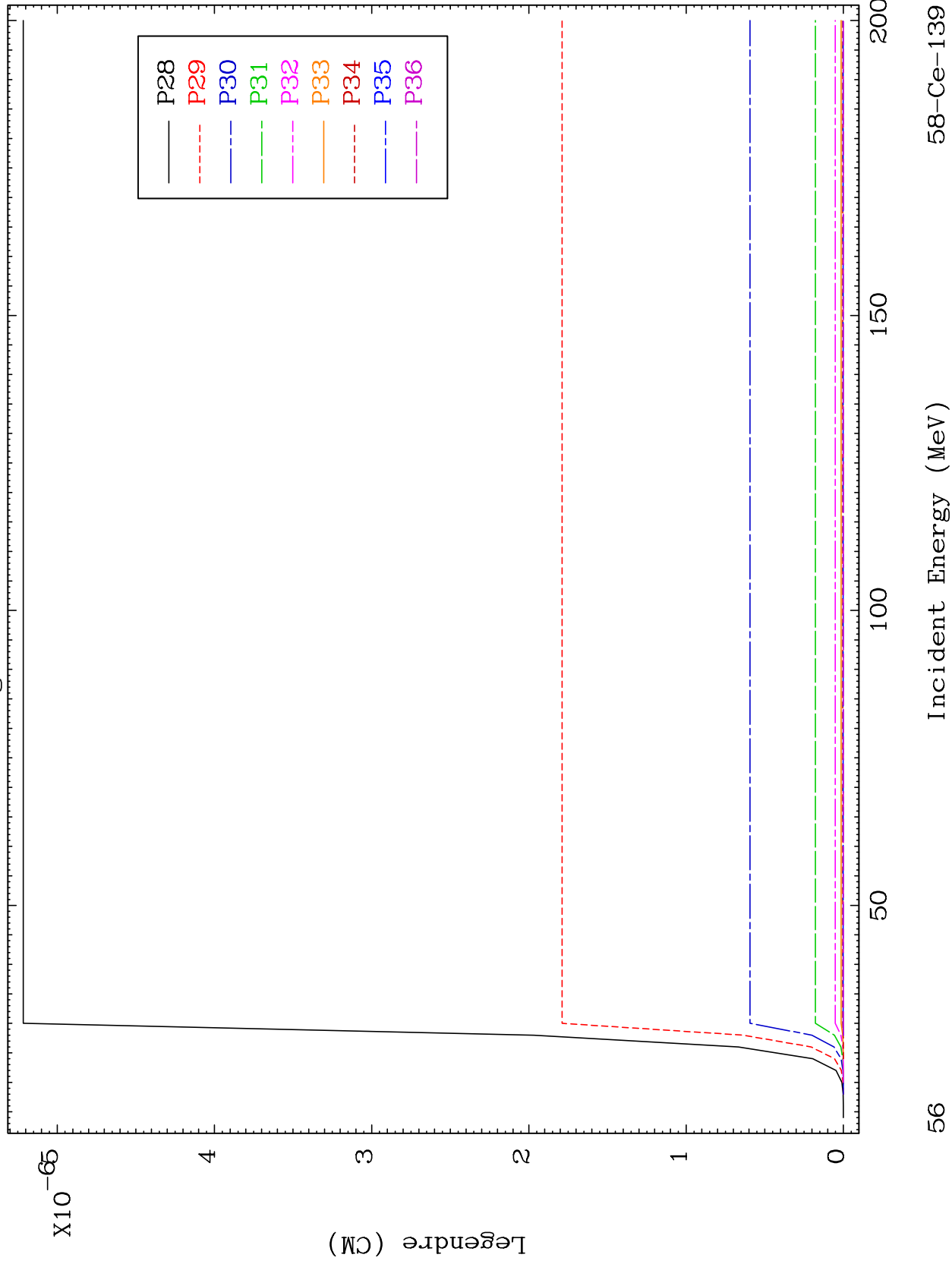
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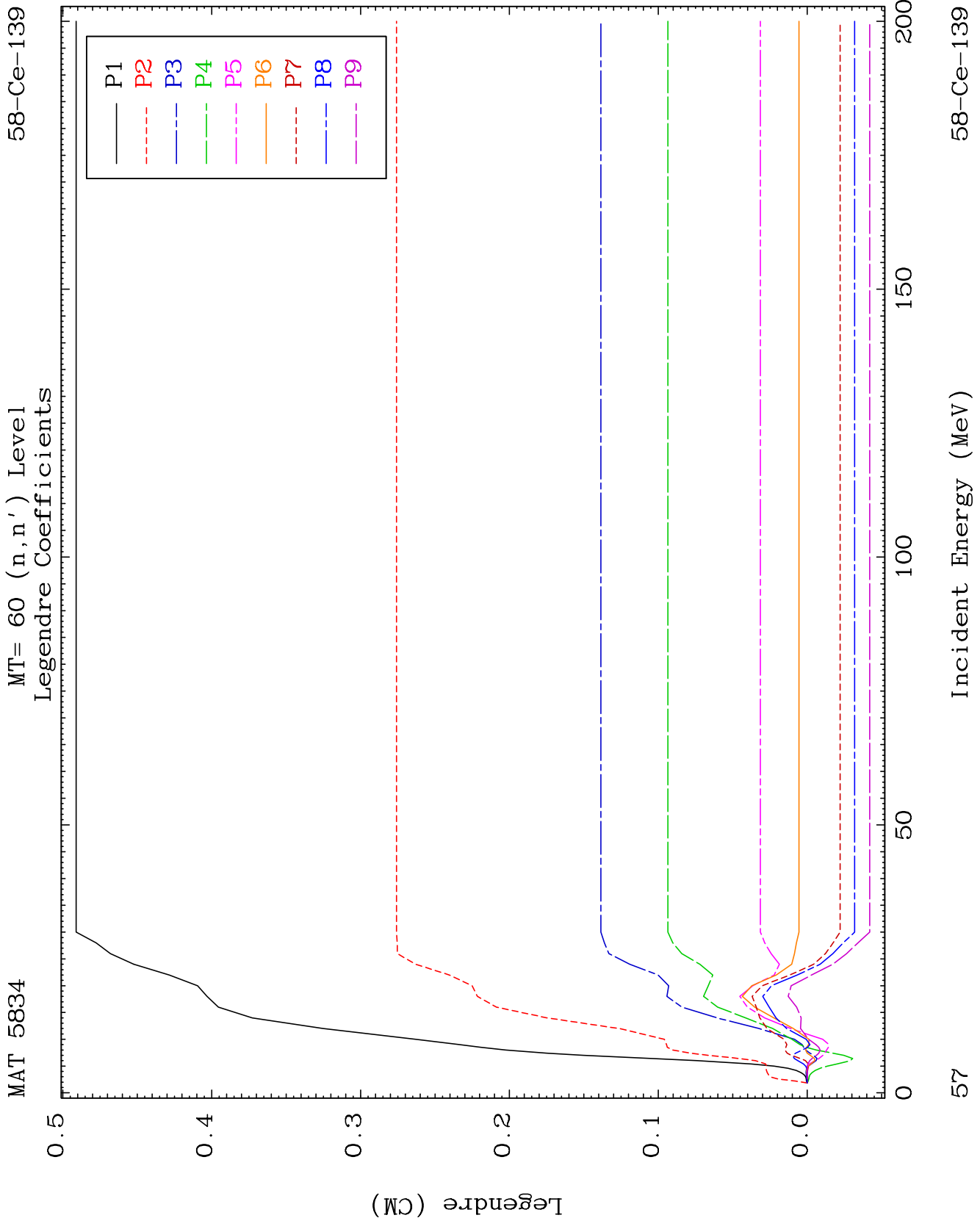


MAT 5834

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

58-Ce-139

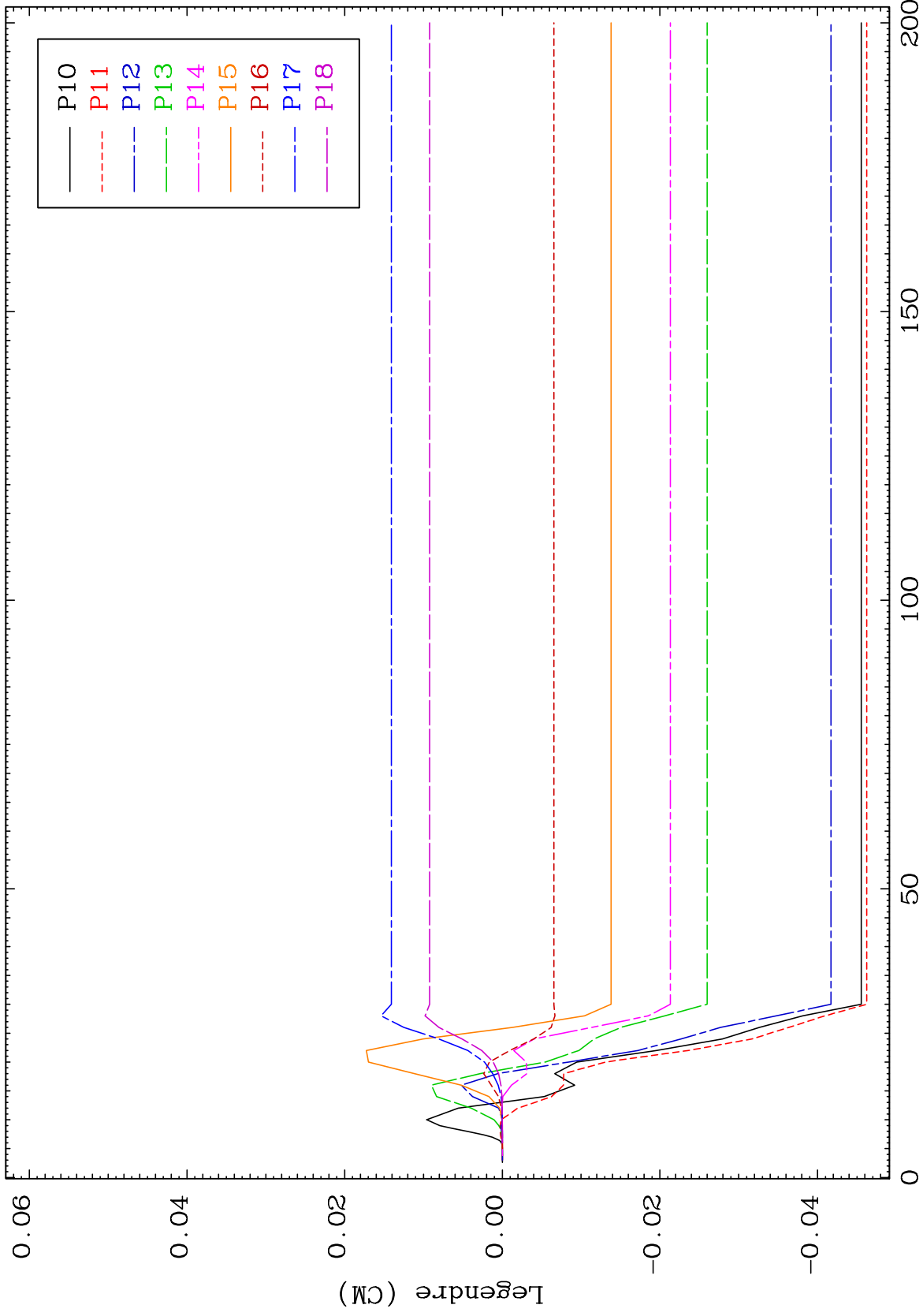




MAT 5834

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

58-Ce-139



58-Ce-139

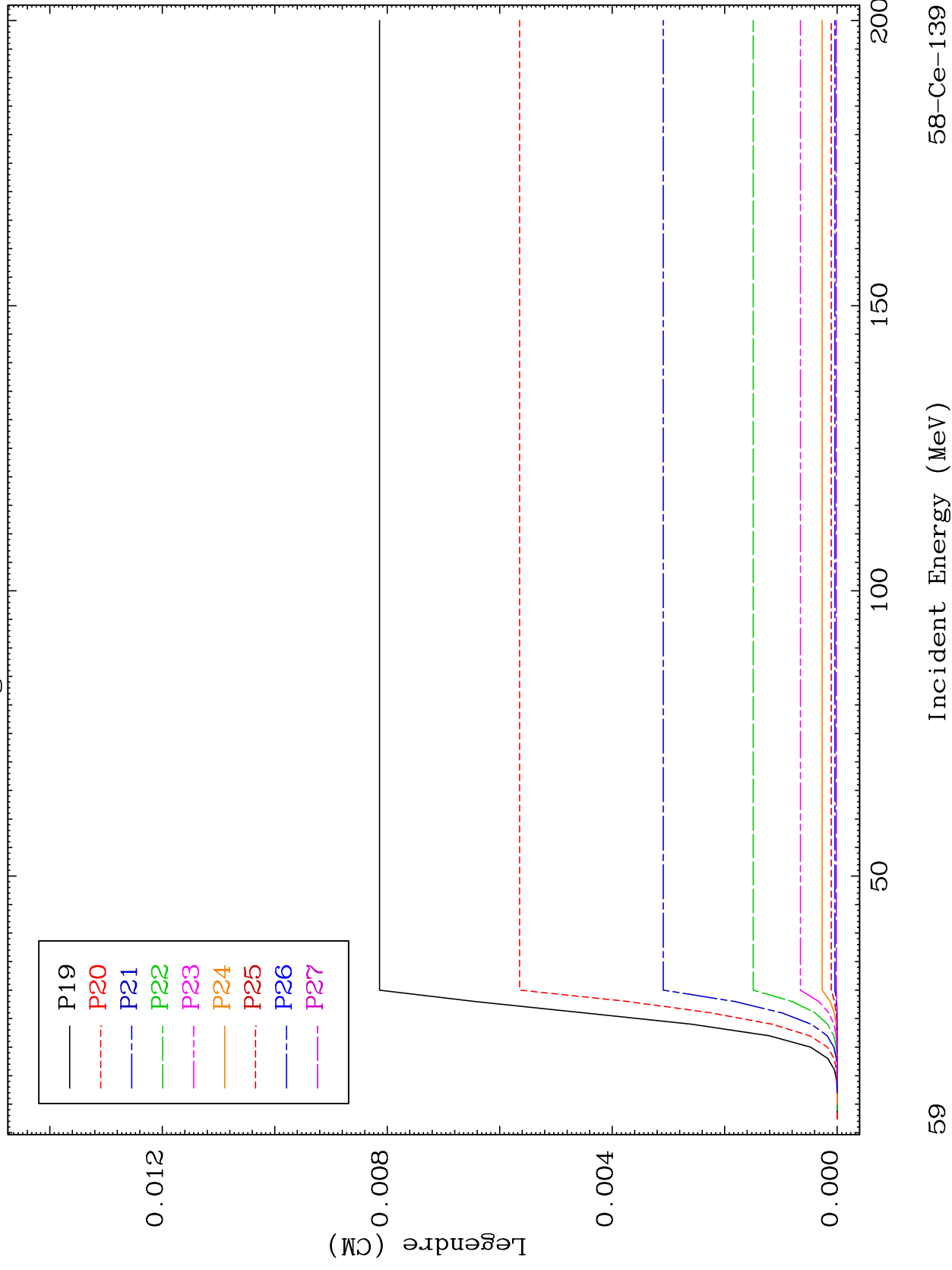
Incident Energy (MeV)

58

MAT 5834

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

58-Ce-139



59

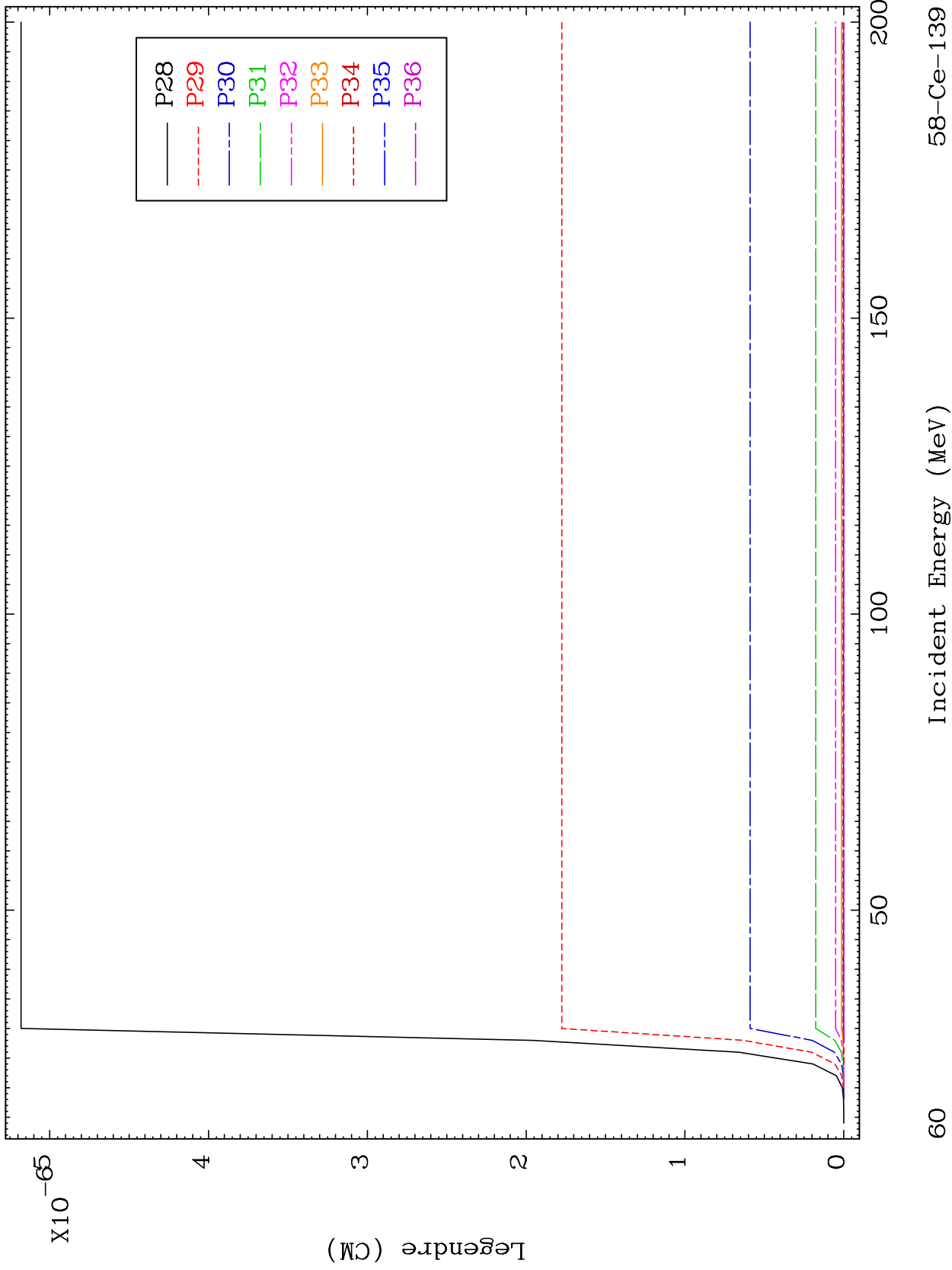
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

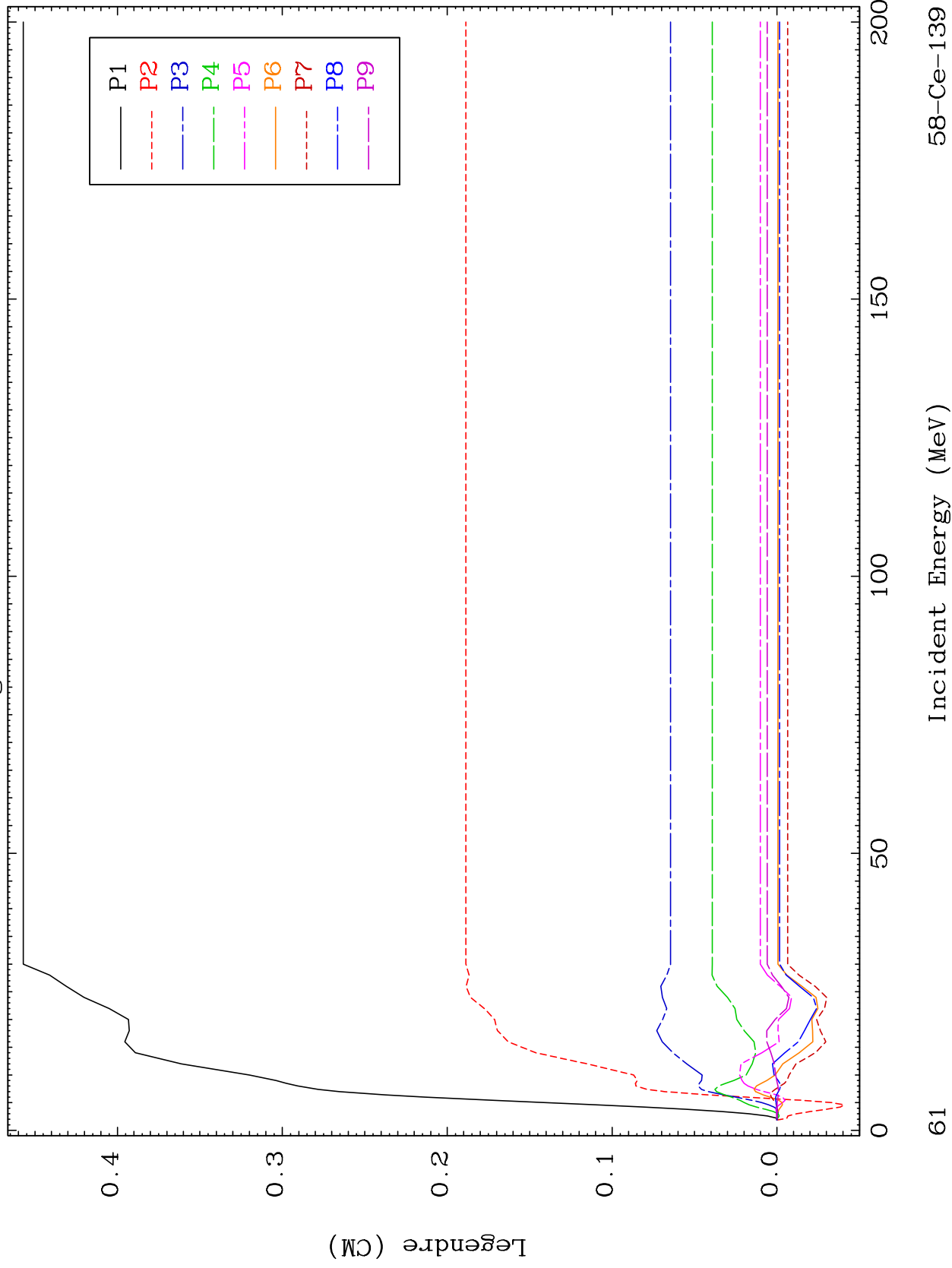
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

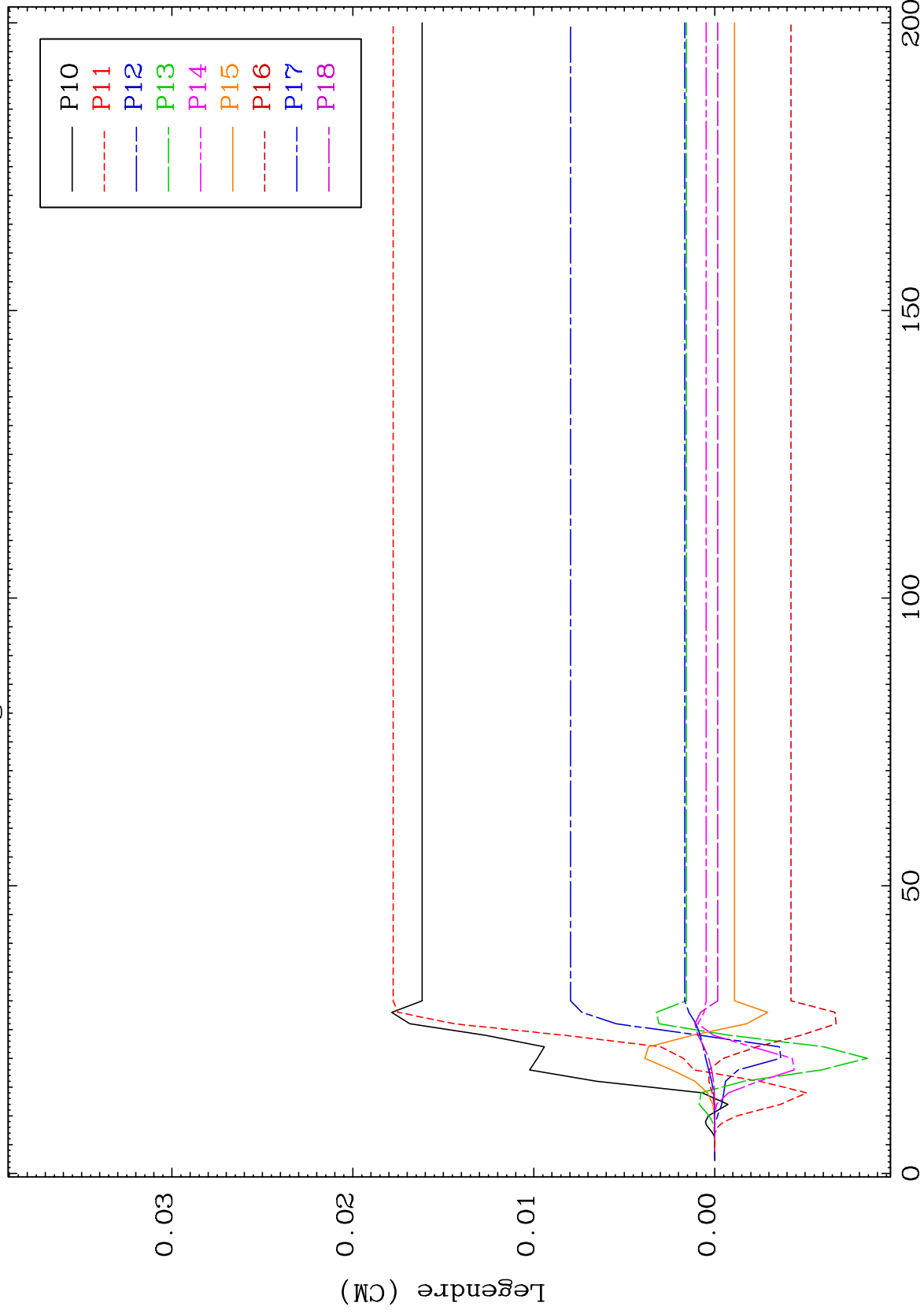
Incident Energy (MeV)

61

MAT 5834

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

58-Ce-139



58-Ce-139

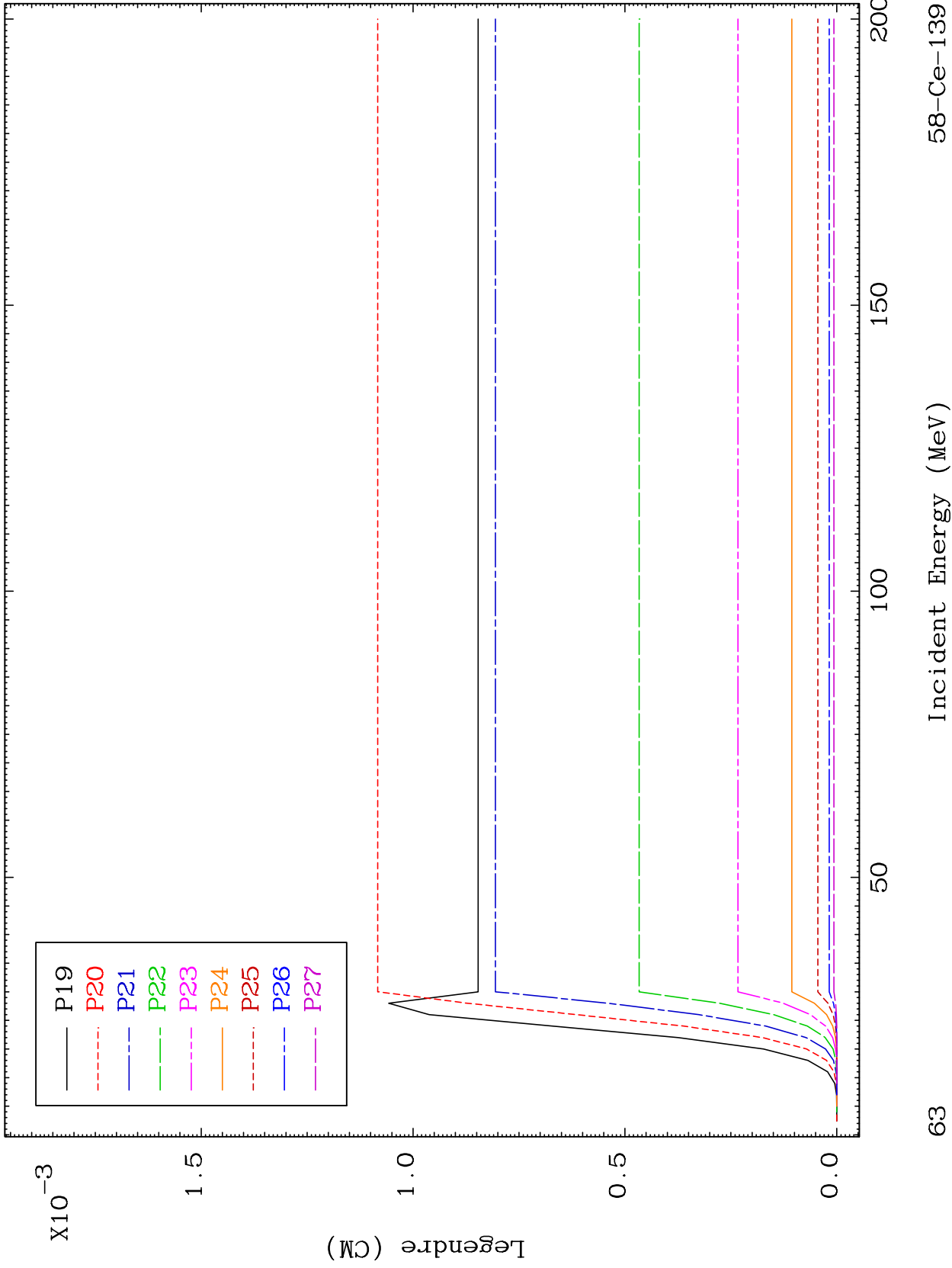
Incident Energy (MeV)

62

MAT 5834

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

58-Ce-139

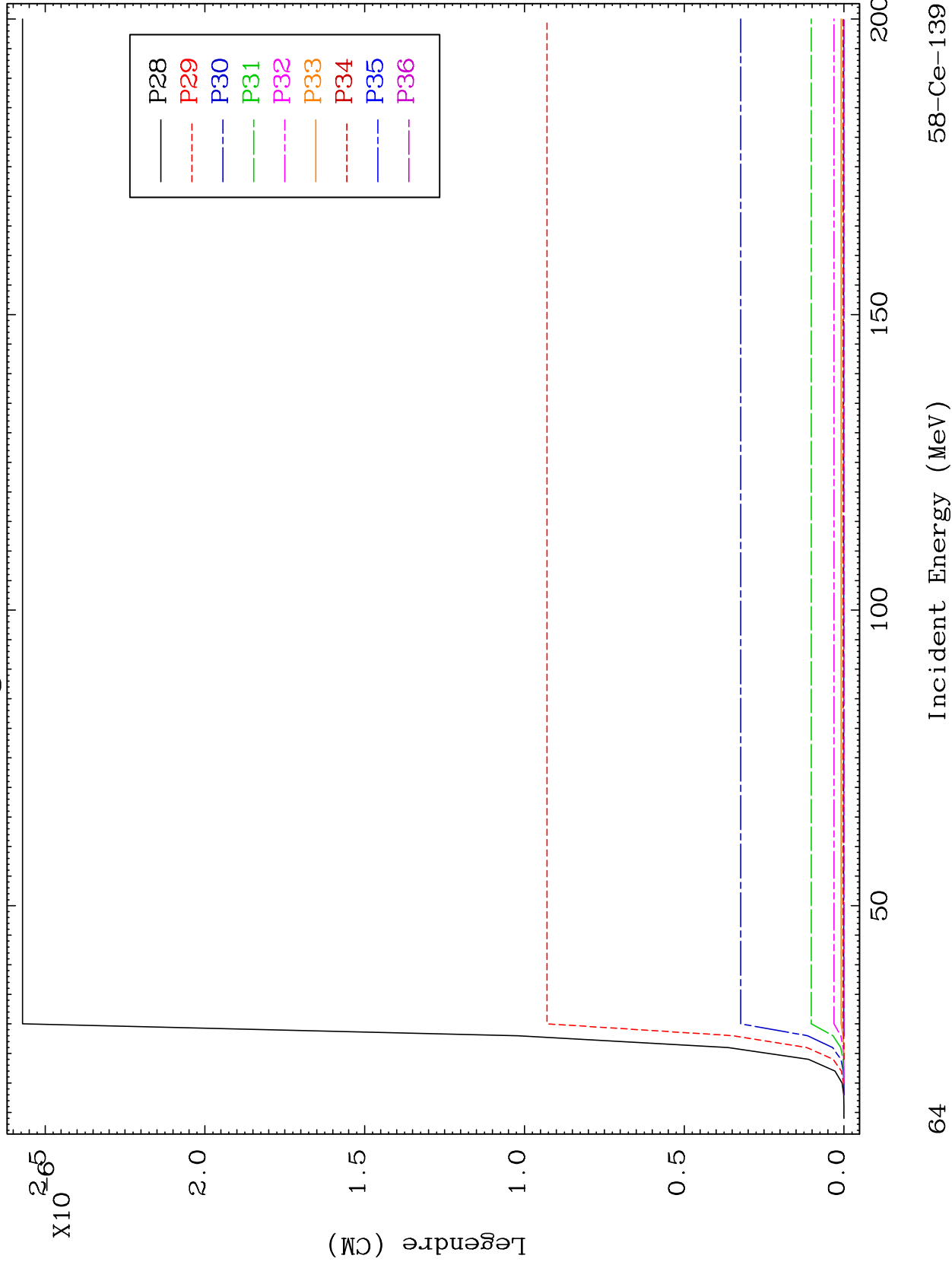


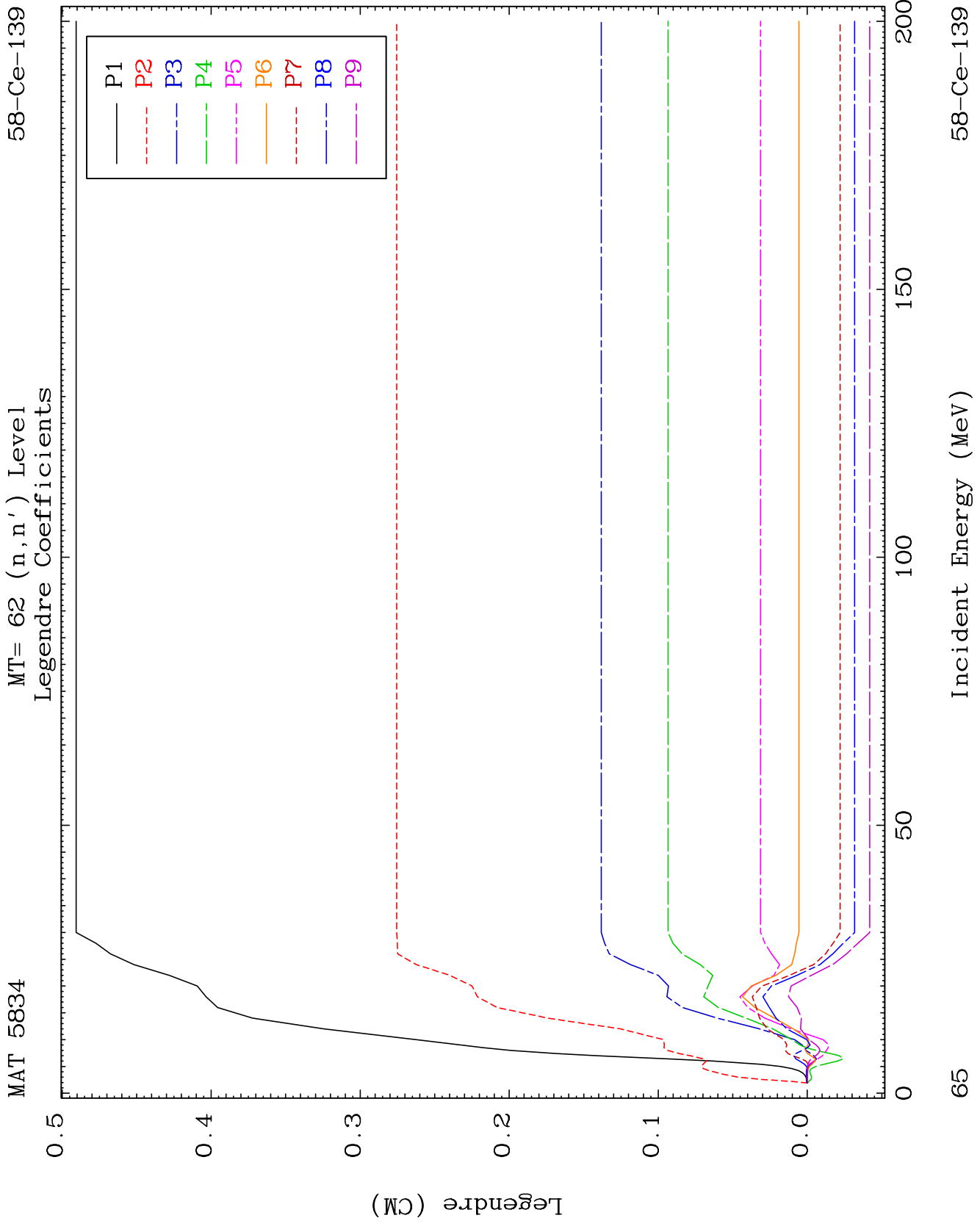


MAT 5834

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

58-Ce-139

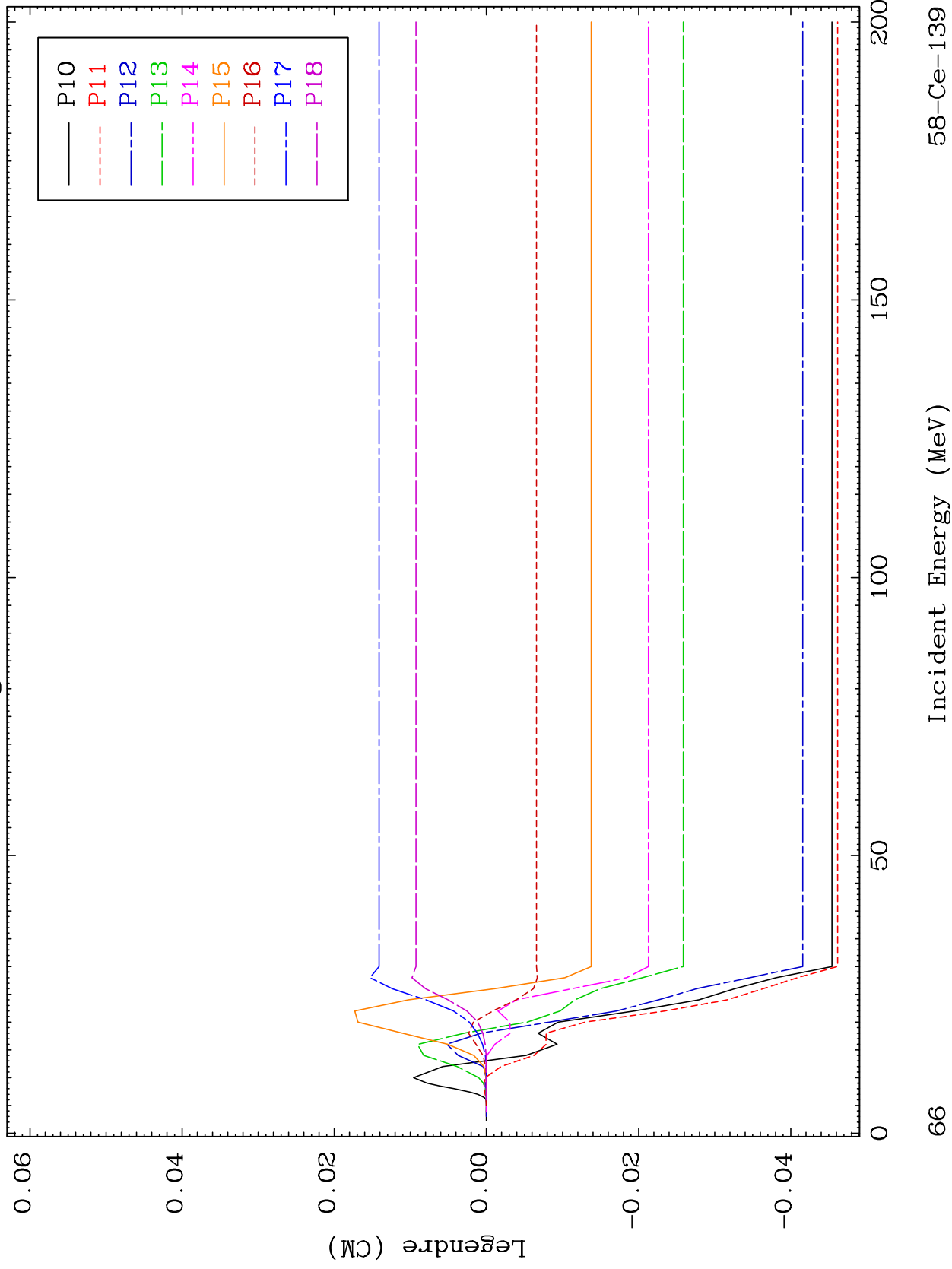




MAT 5834

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

58-Ce-139



58-Ce-139

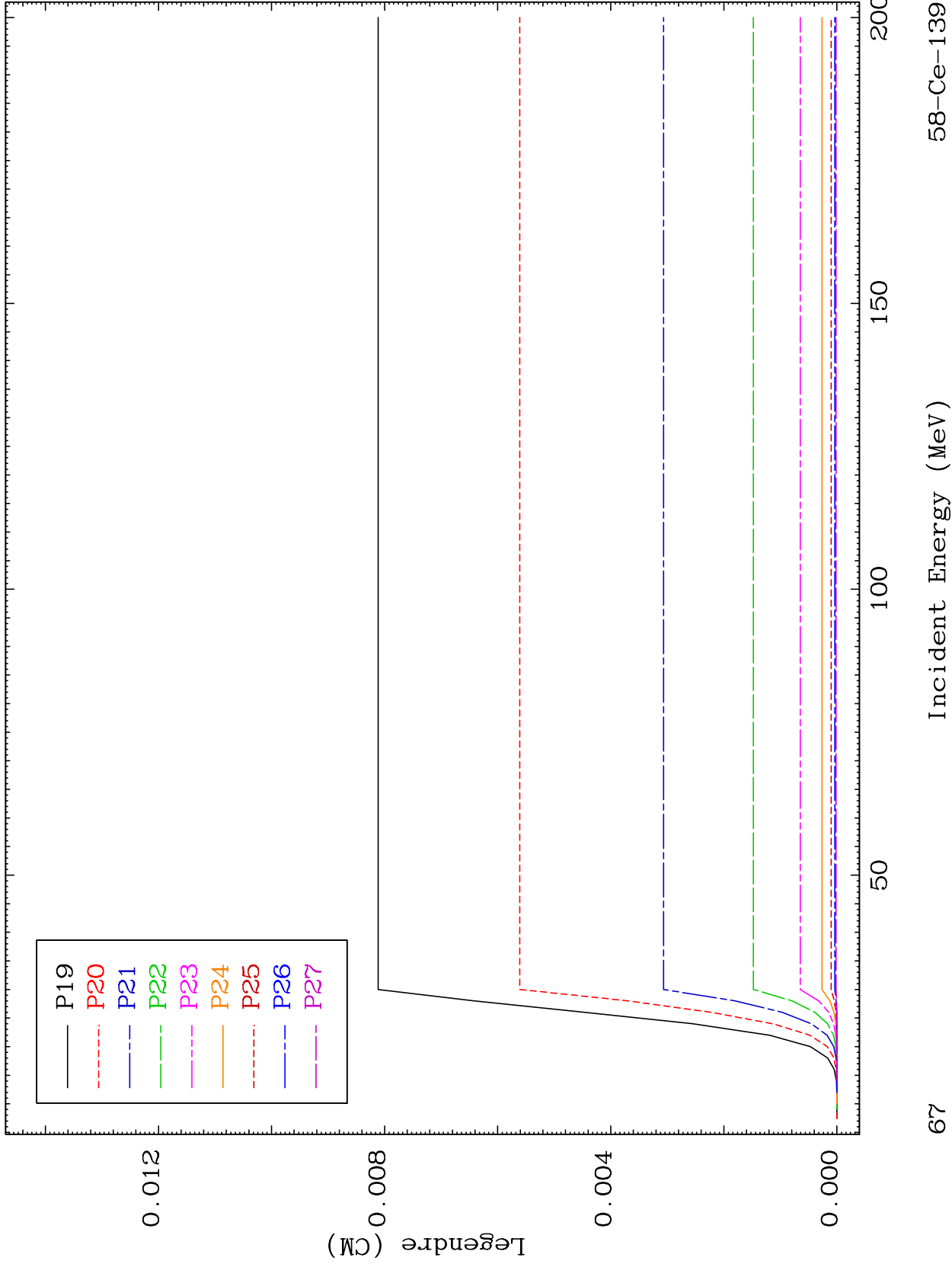
Incident Energy (MeV)

66

MAT 5834

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

58-Ce-139



67

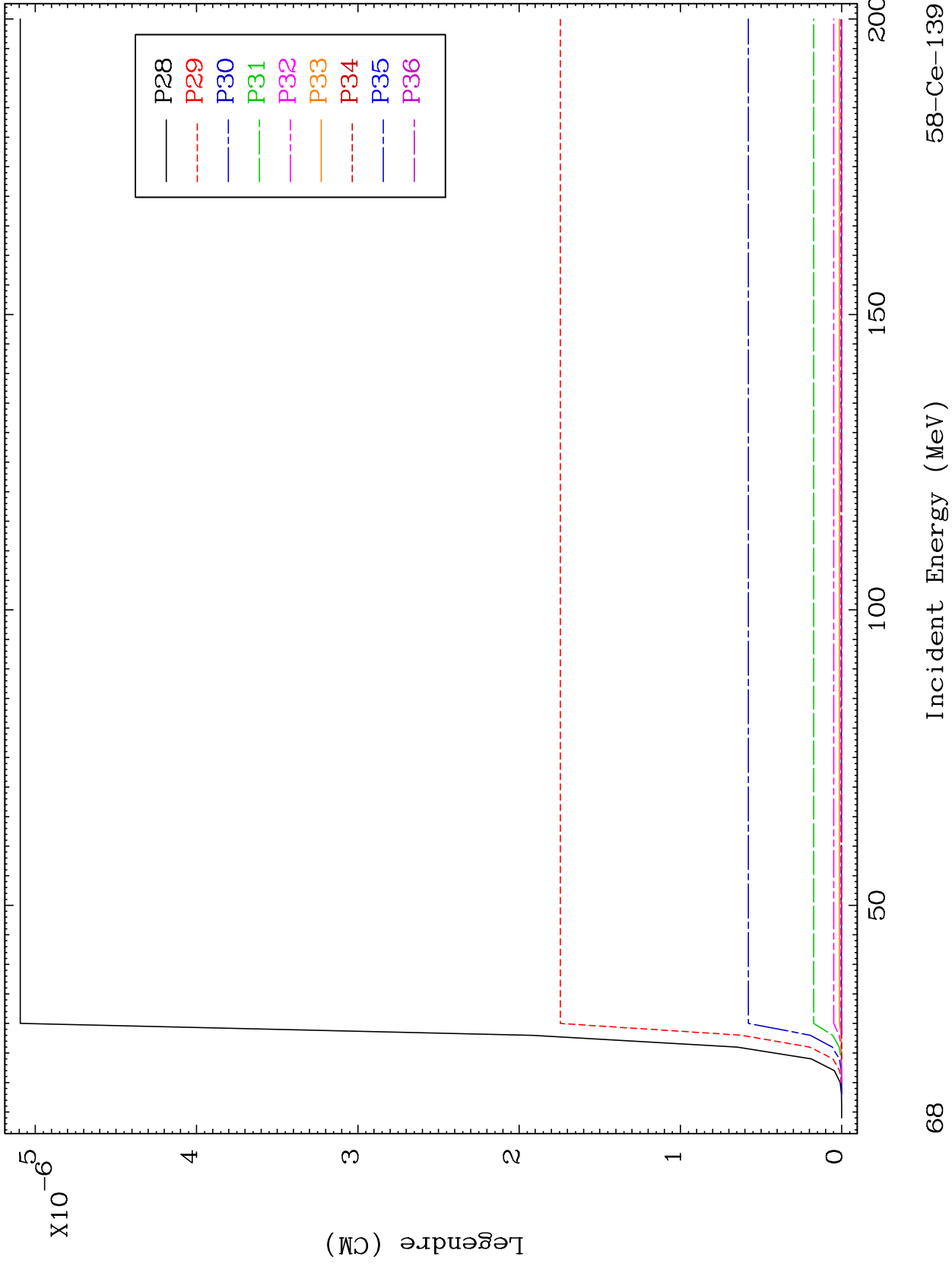
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

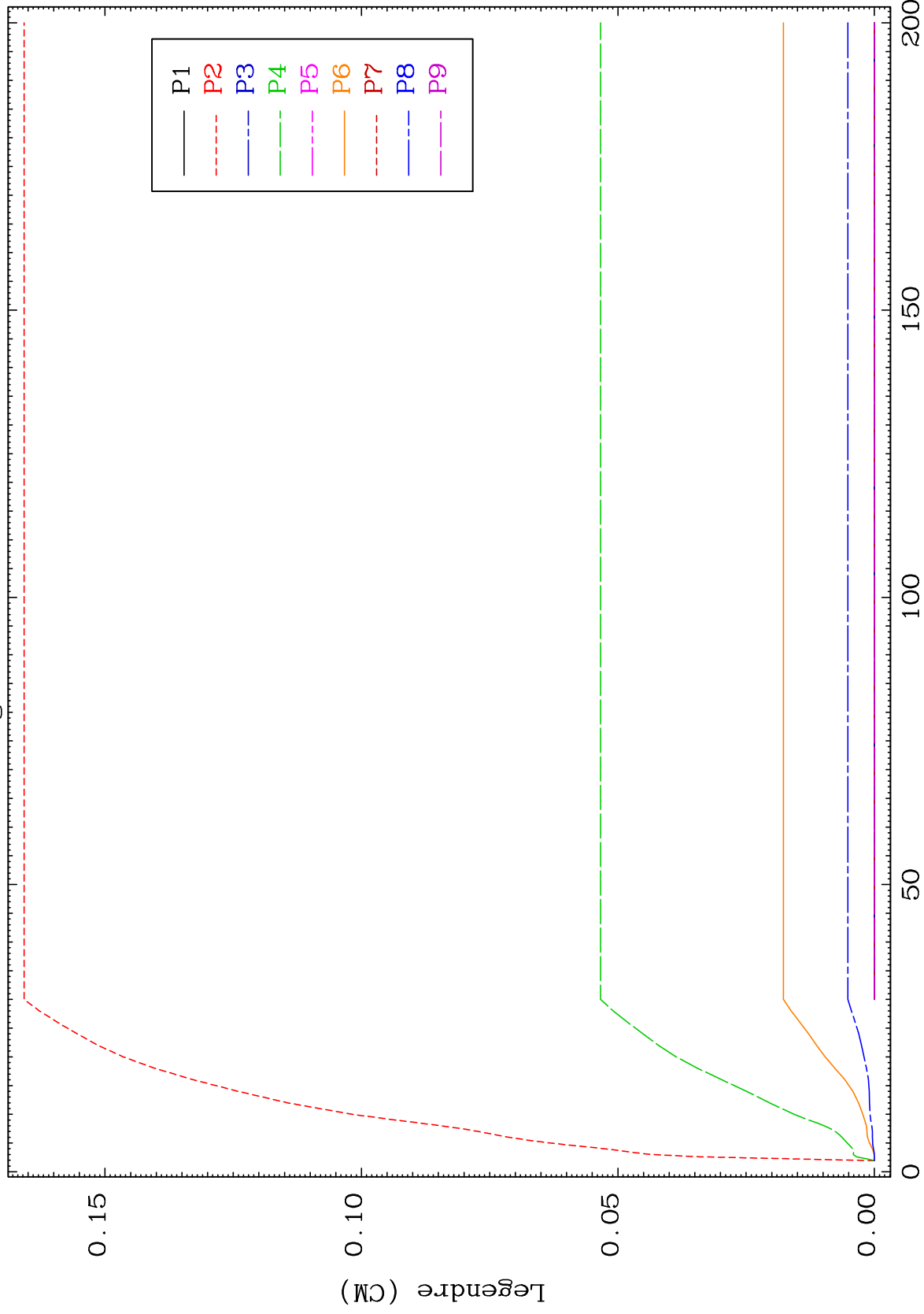


68

MAT 5834

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

58-Ce-139



69

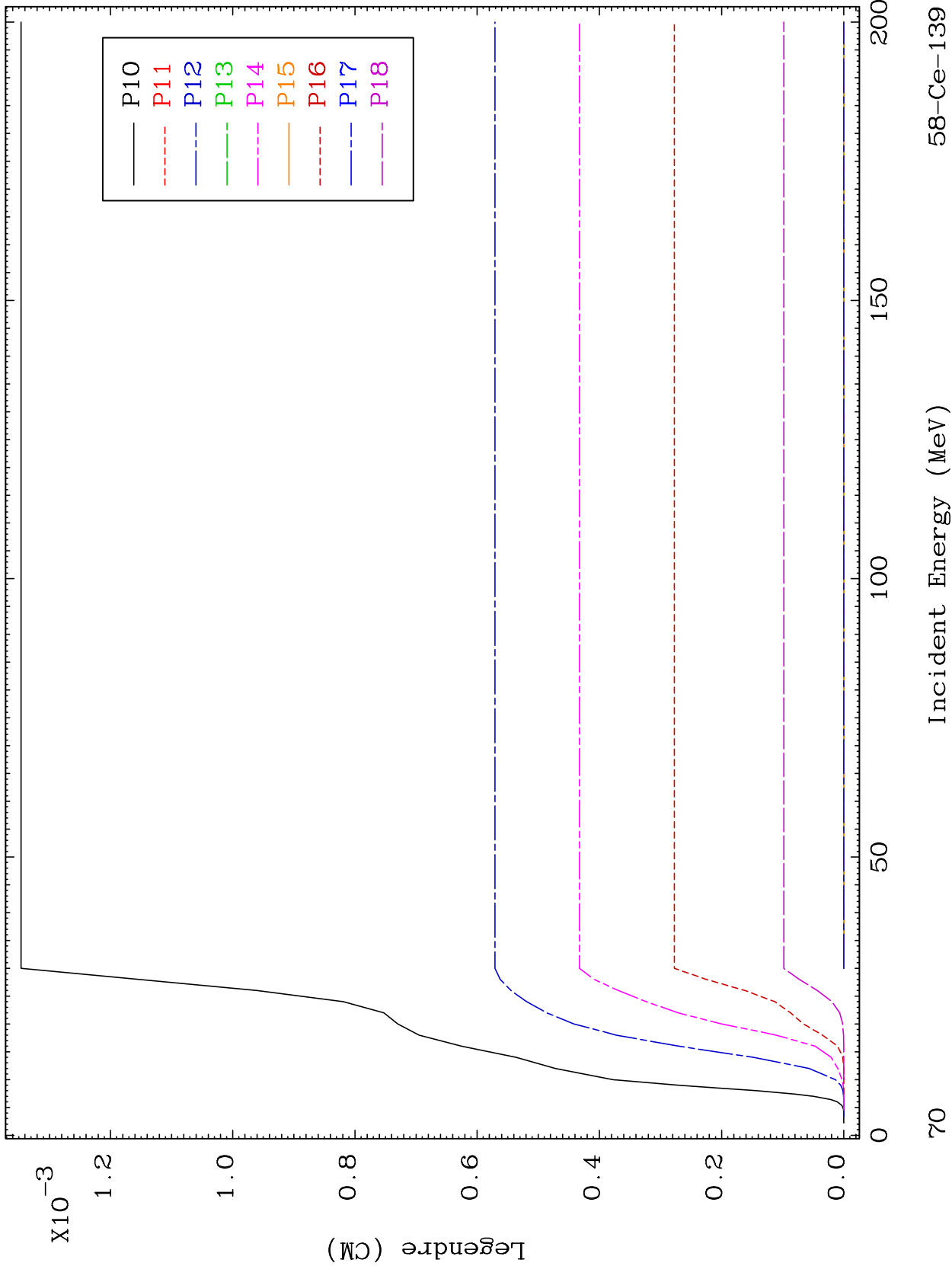
Incident Energy (MeV)

58-Ce-139

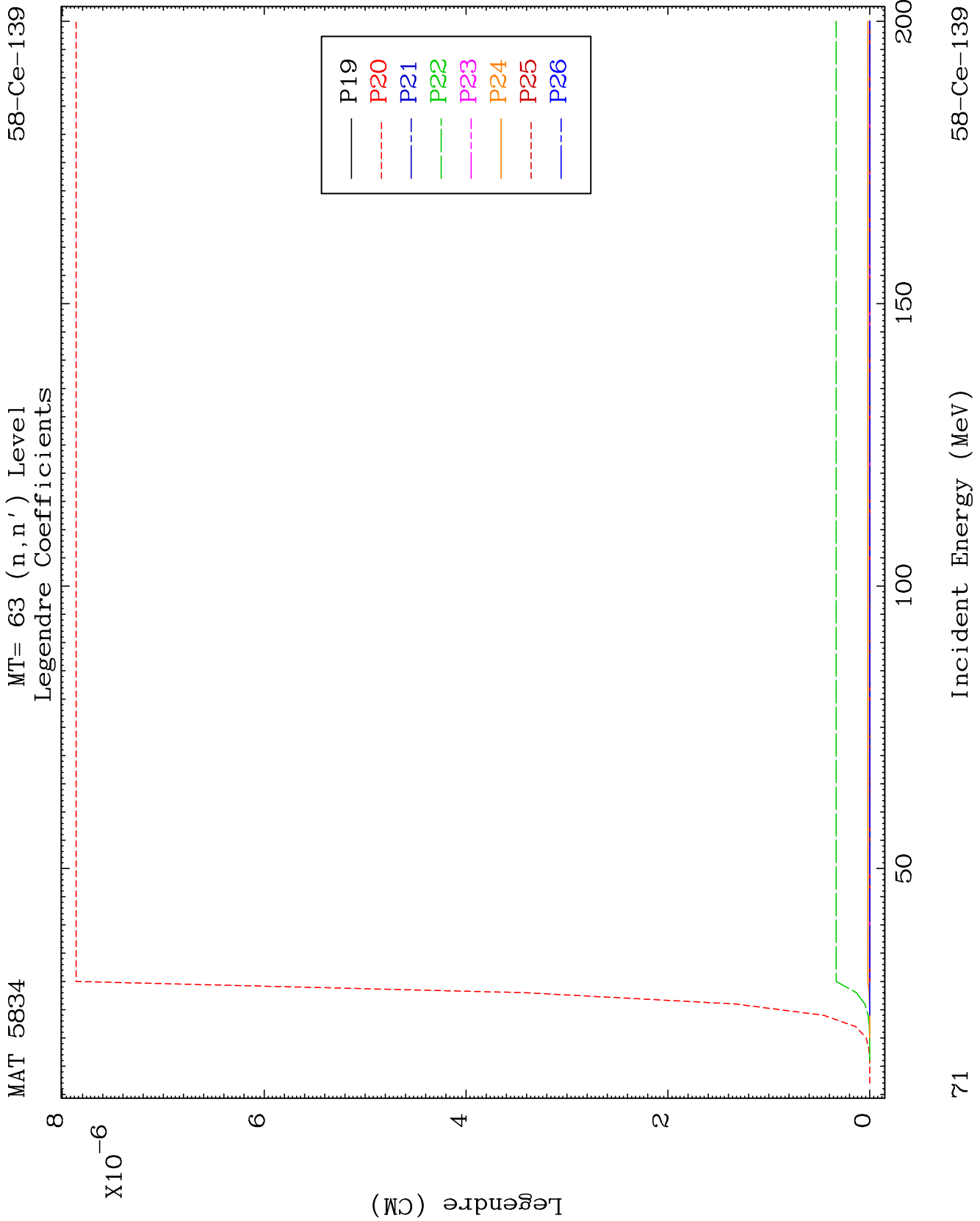
MAT 5834

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

58-Ce-139



58-Ce-139

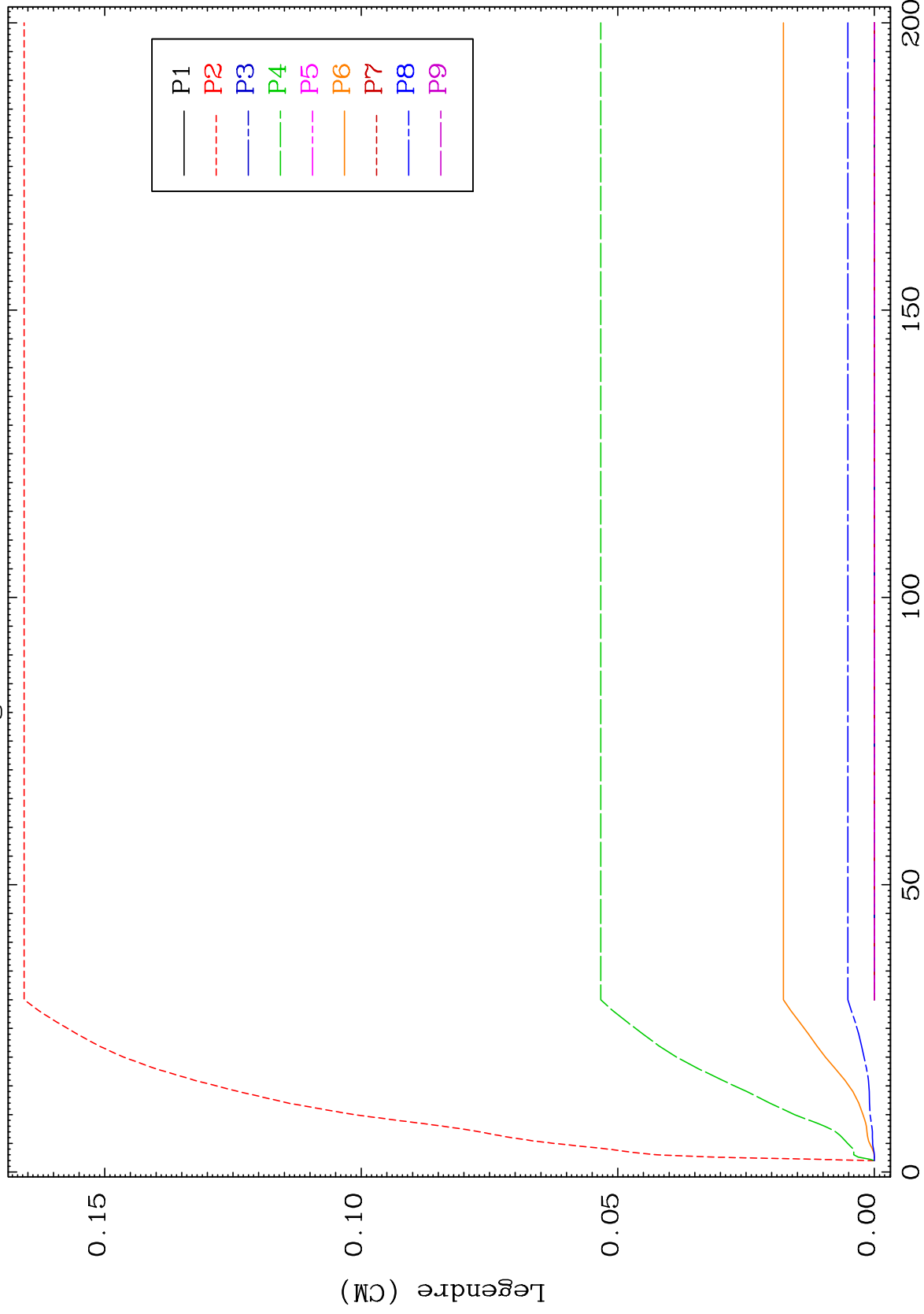




MAT 5834

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

58-Ce-139



72

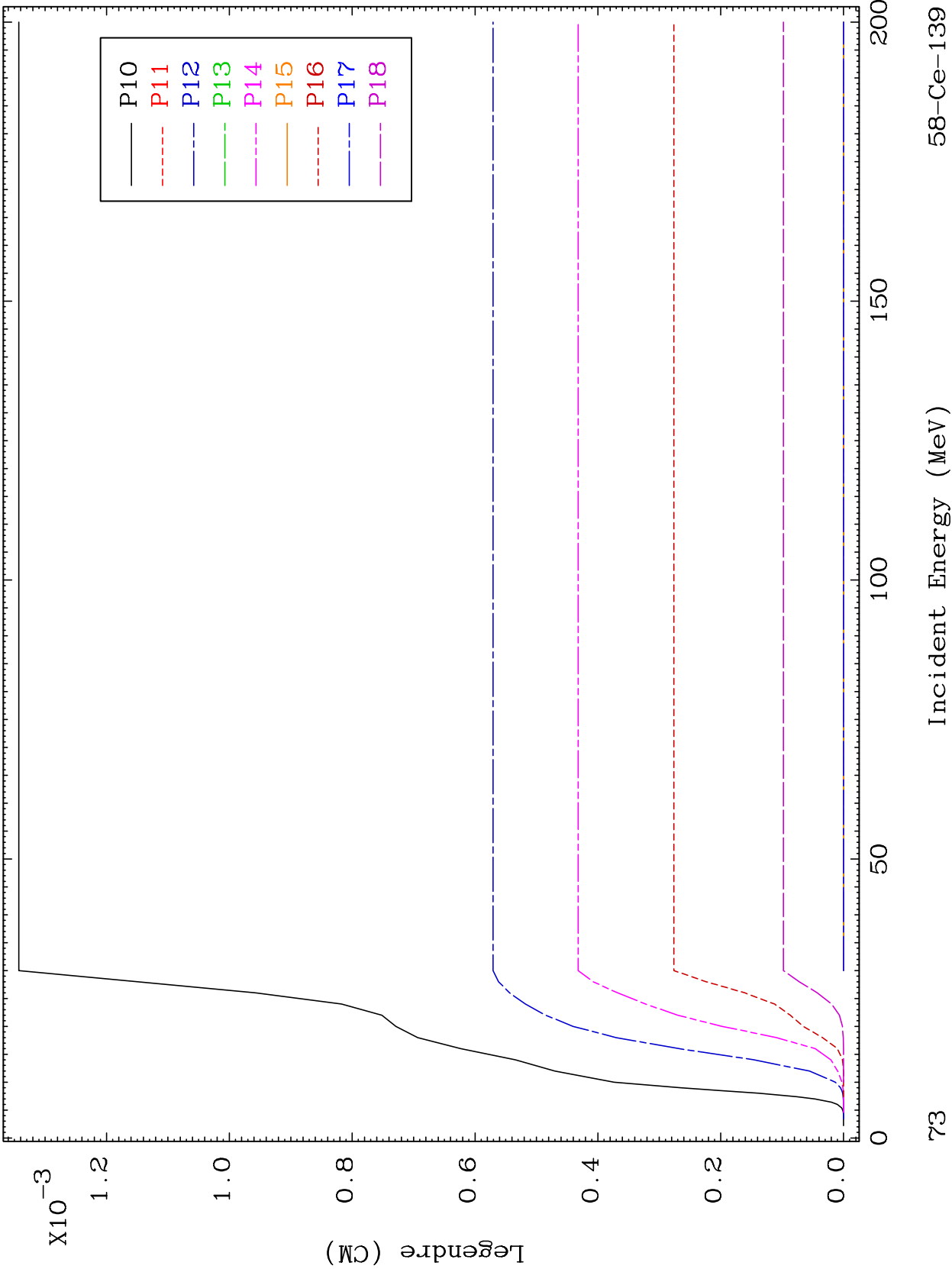
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



73

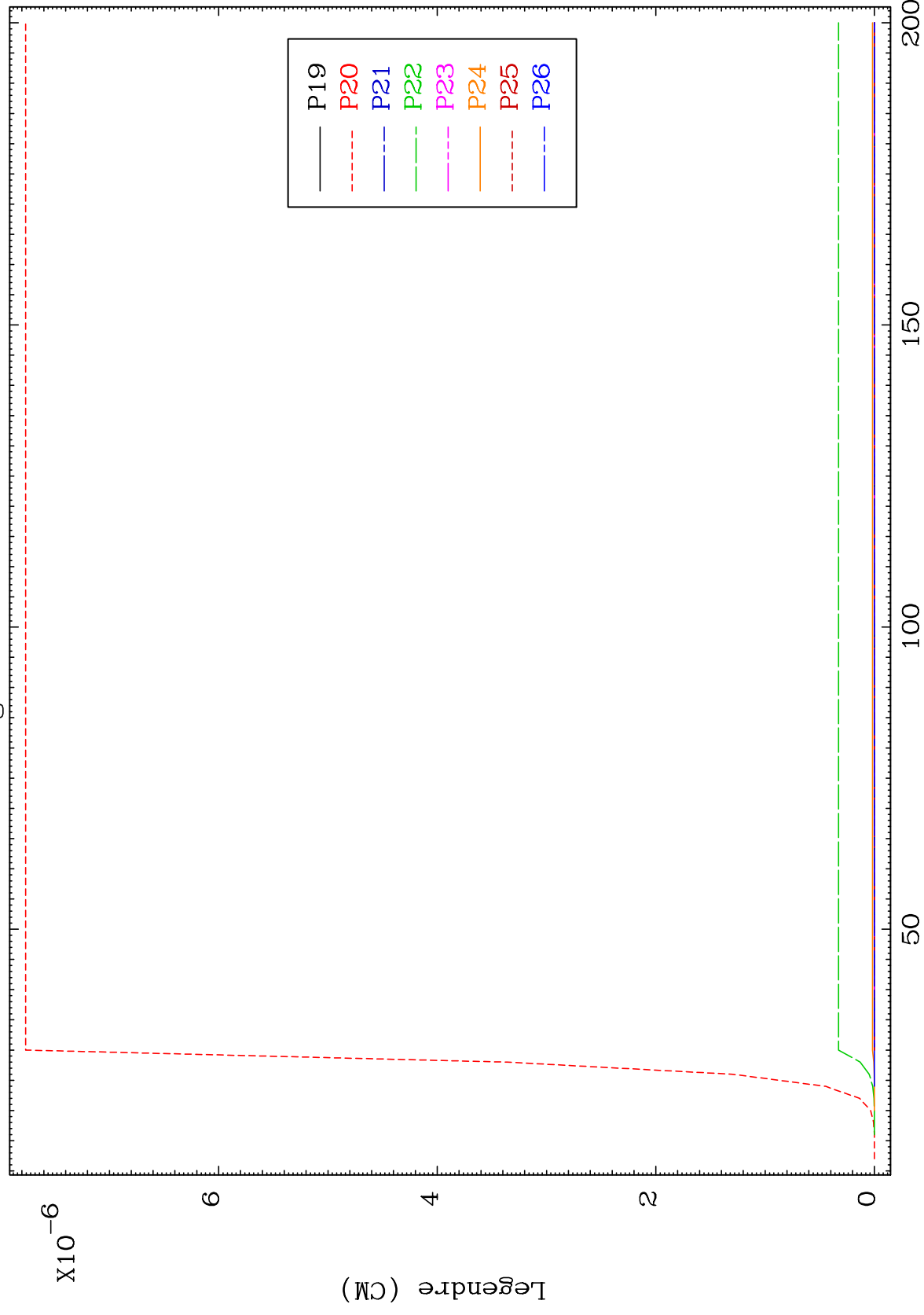
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

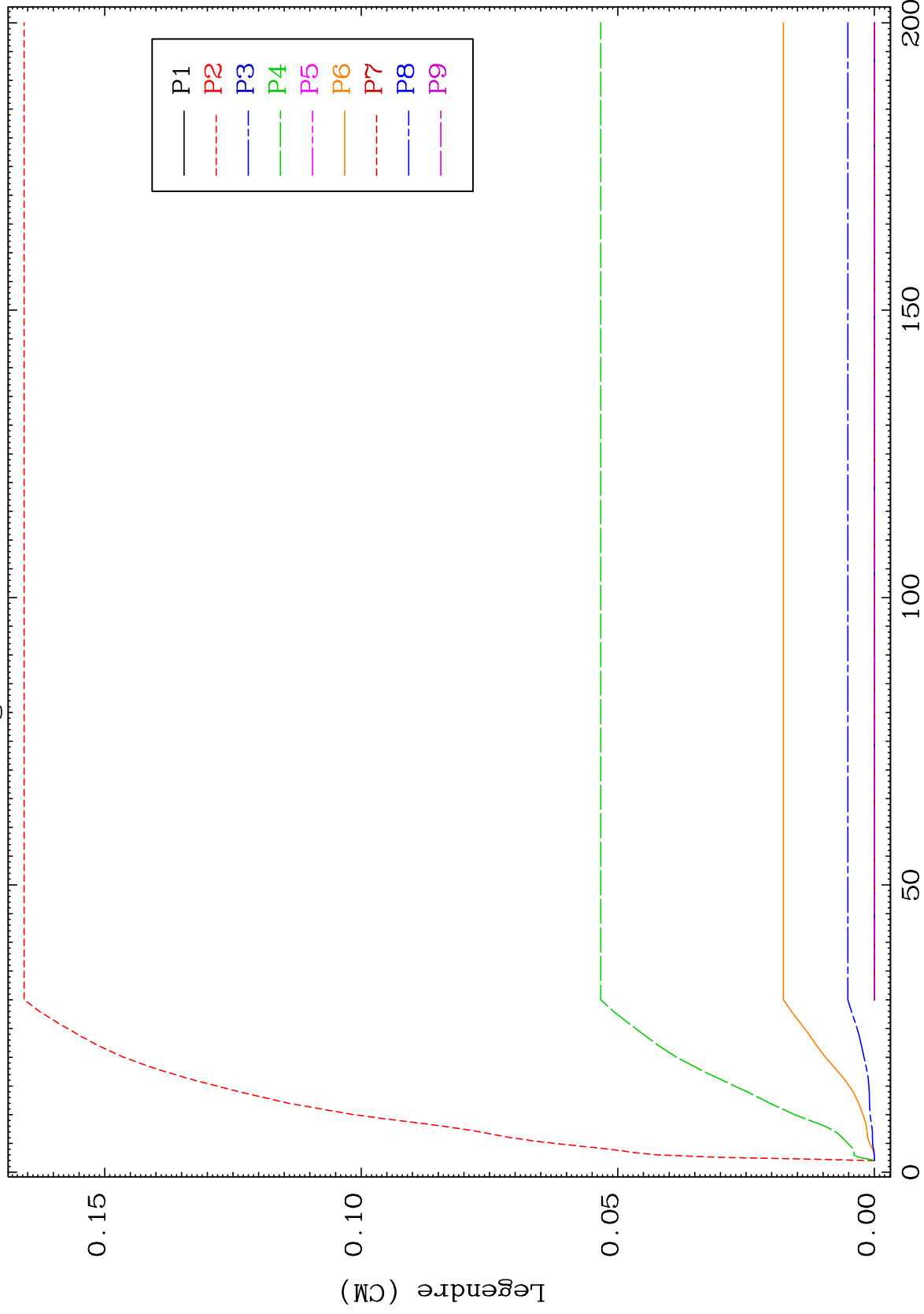
Incident Energy (MeV)

74

MAT 5834

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

58-Ce-139



75

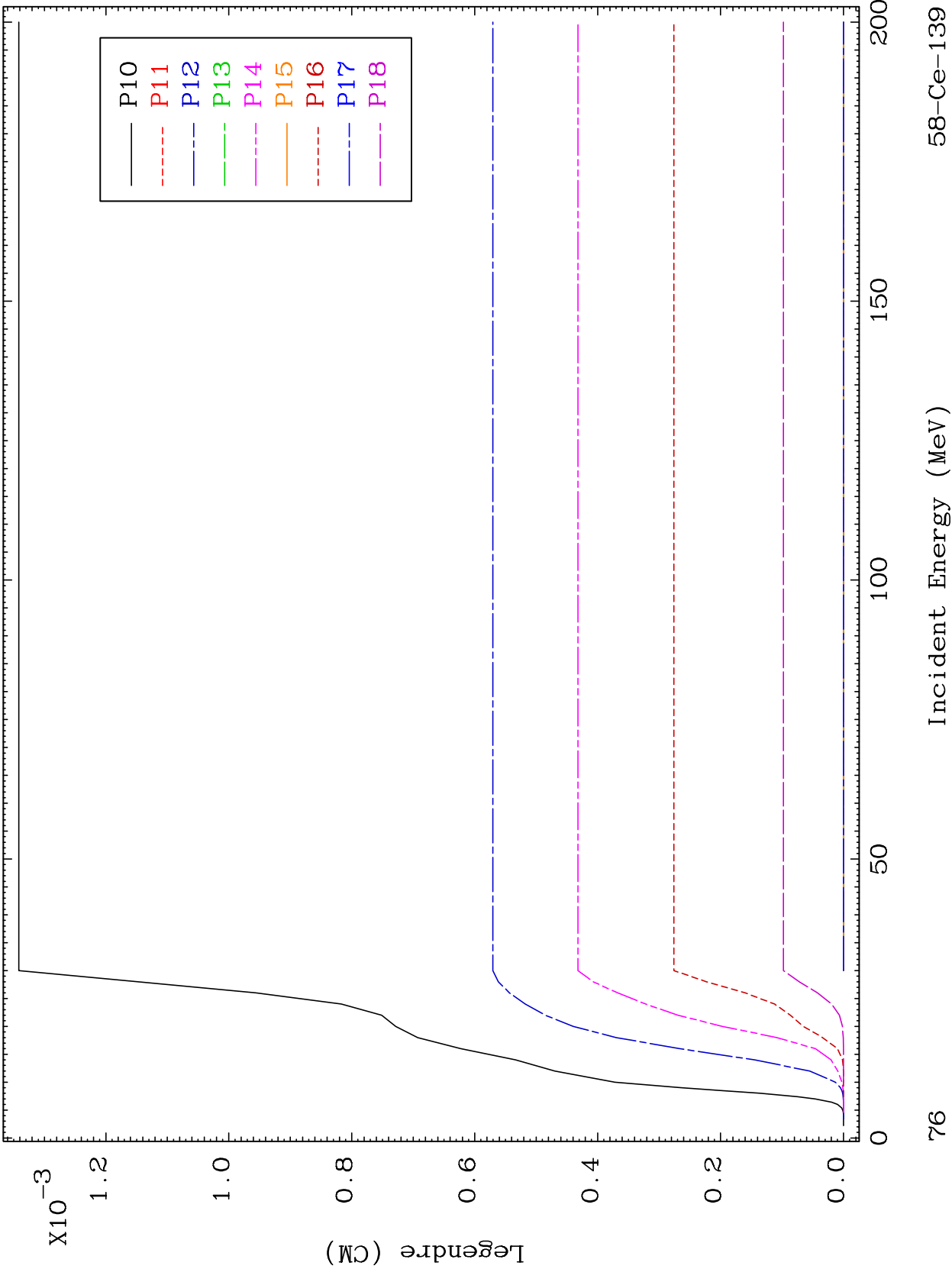
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



76

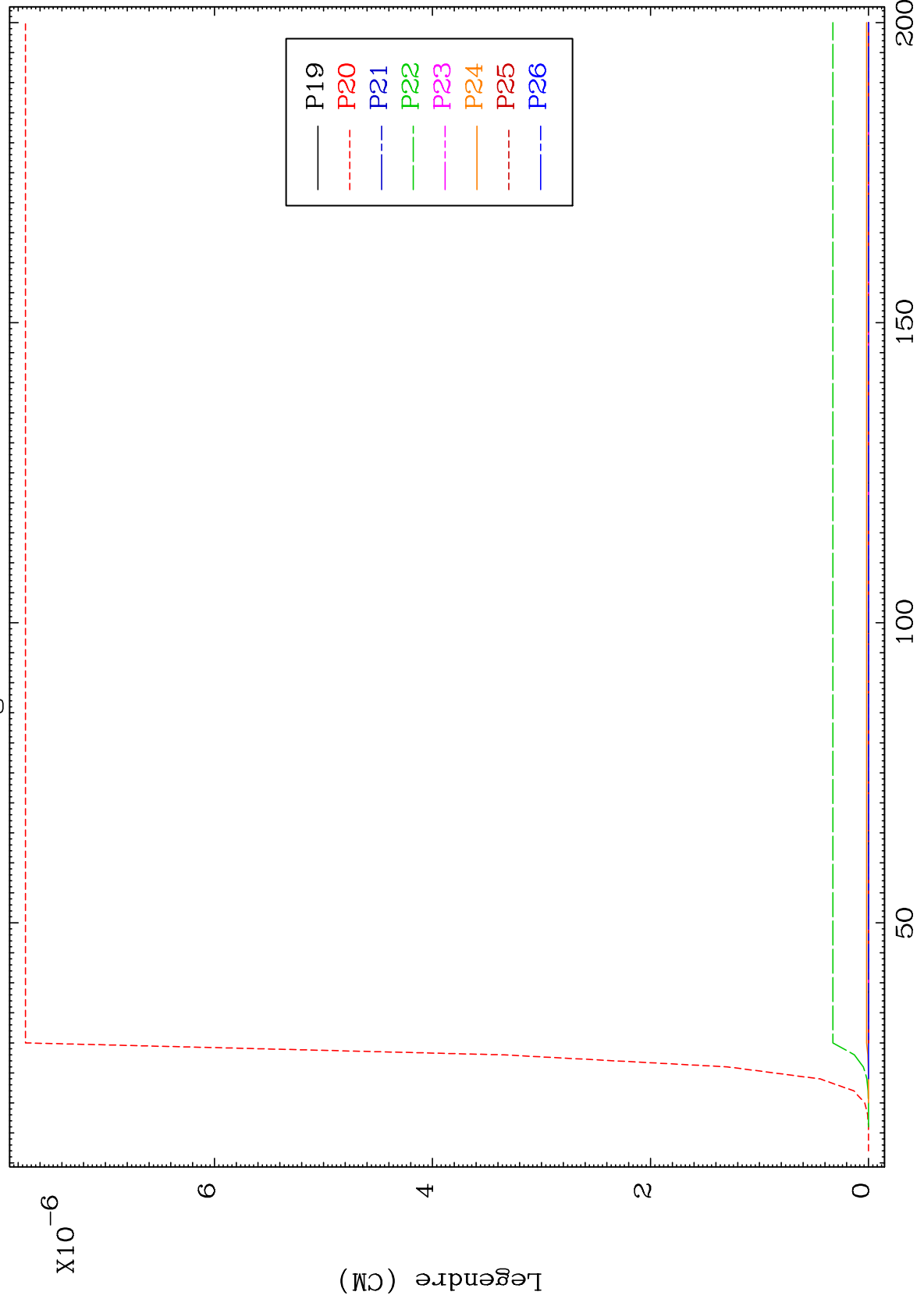
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

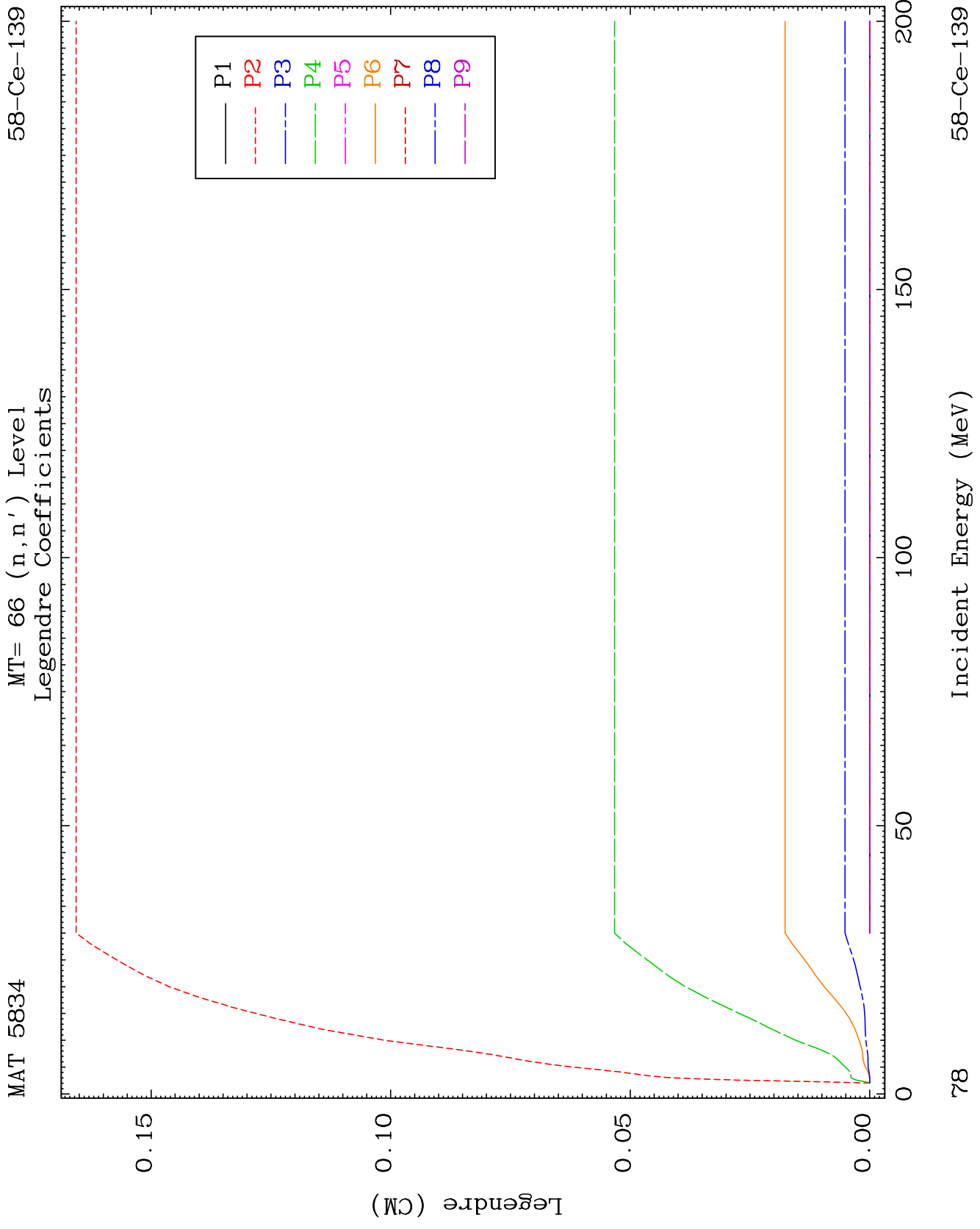
58-Ce-139



58-Ce-139

Incident Energy (MeV)

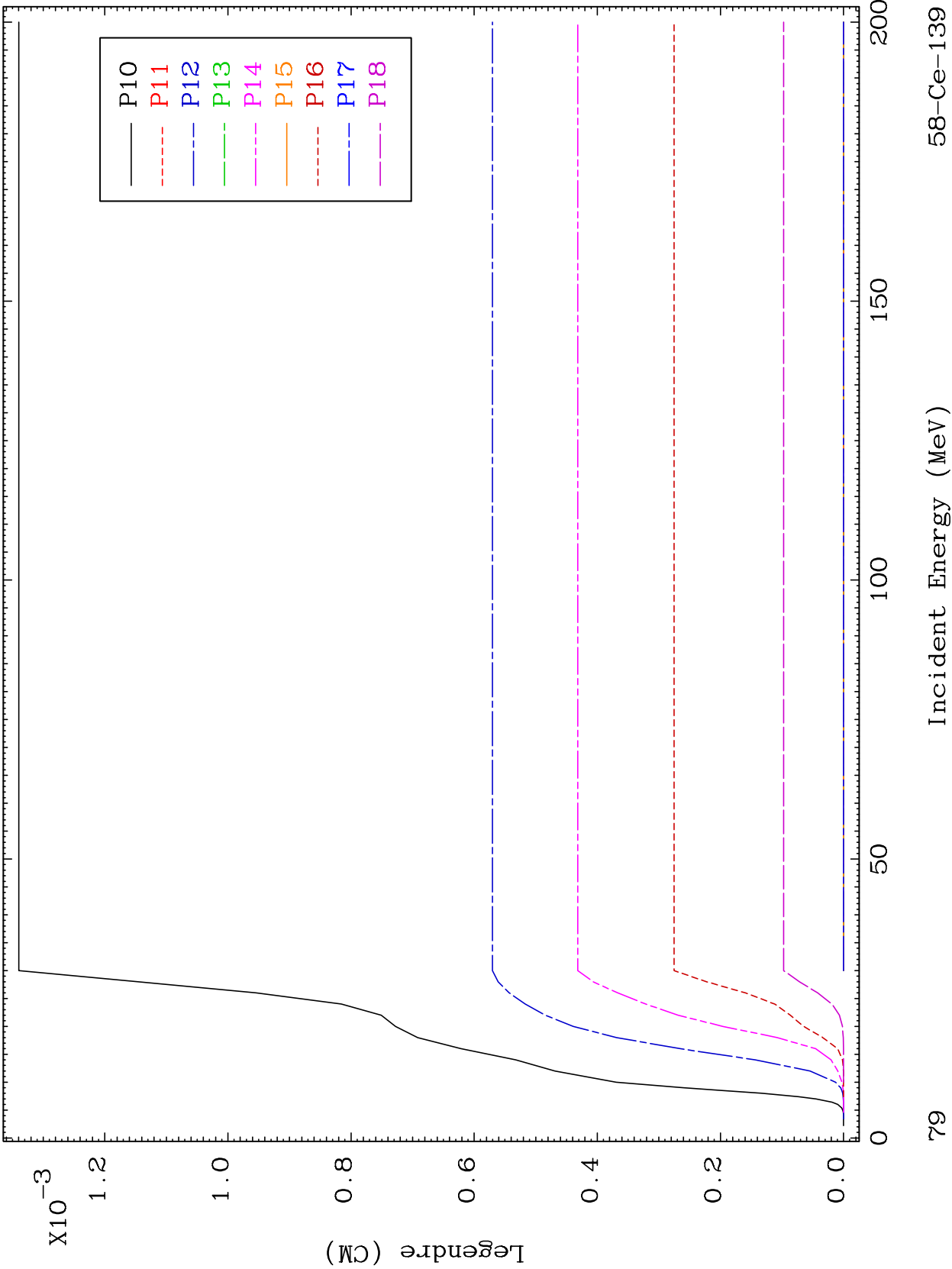
77



MAT 5834

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

58-Ce-139

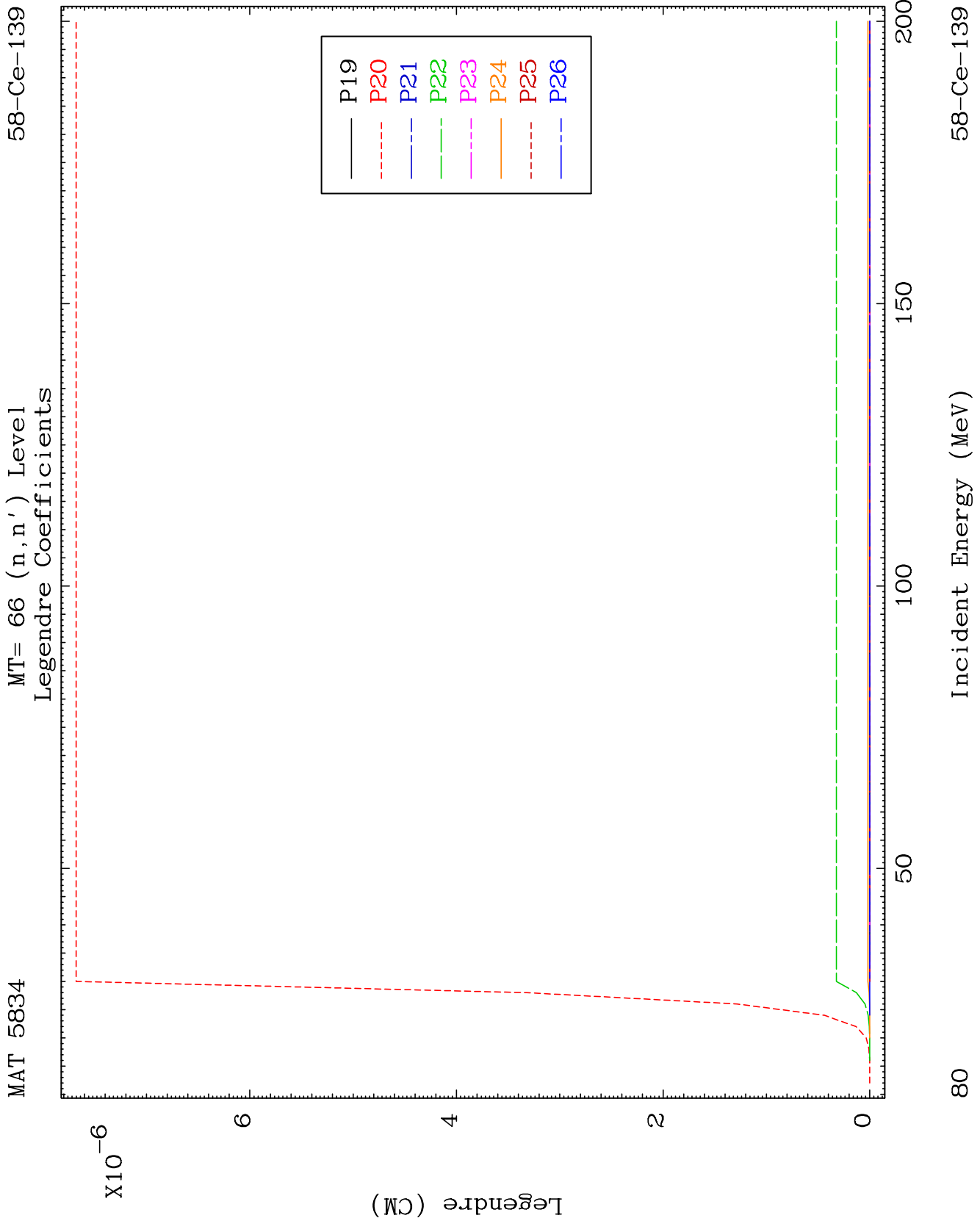


79

Incident Energy (MeV)

58-Ce-139

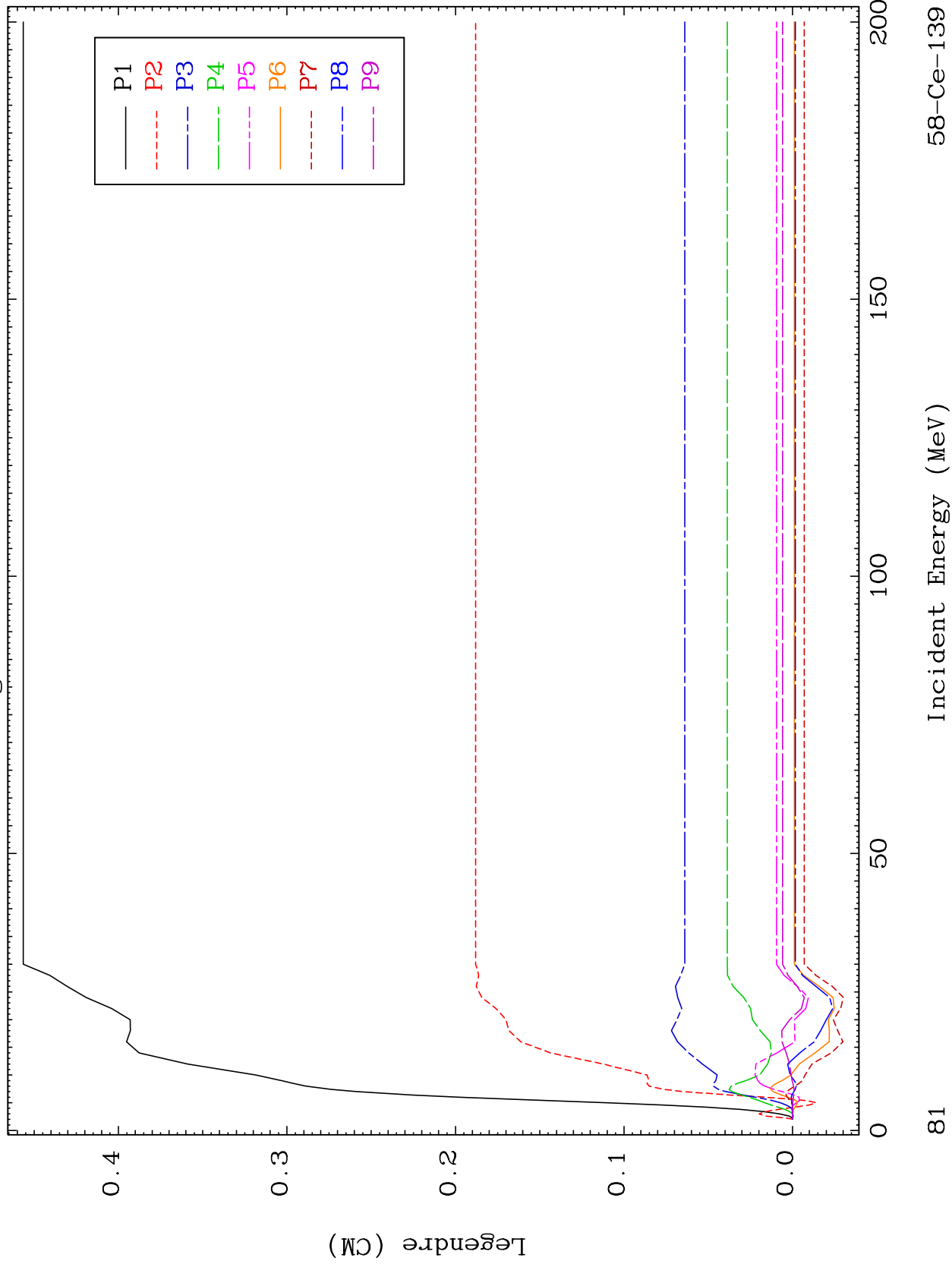




MAT 5834

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

58-Ce-139



58-Ce-139

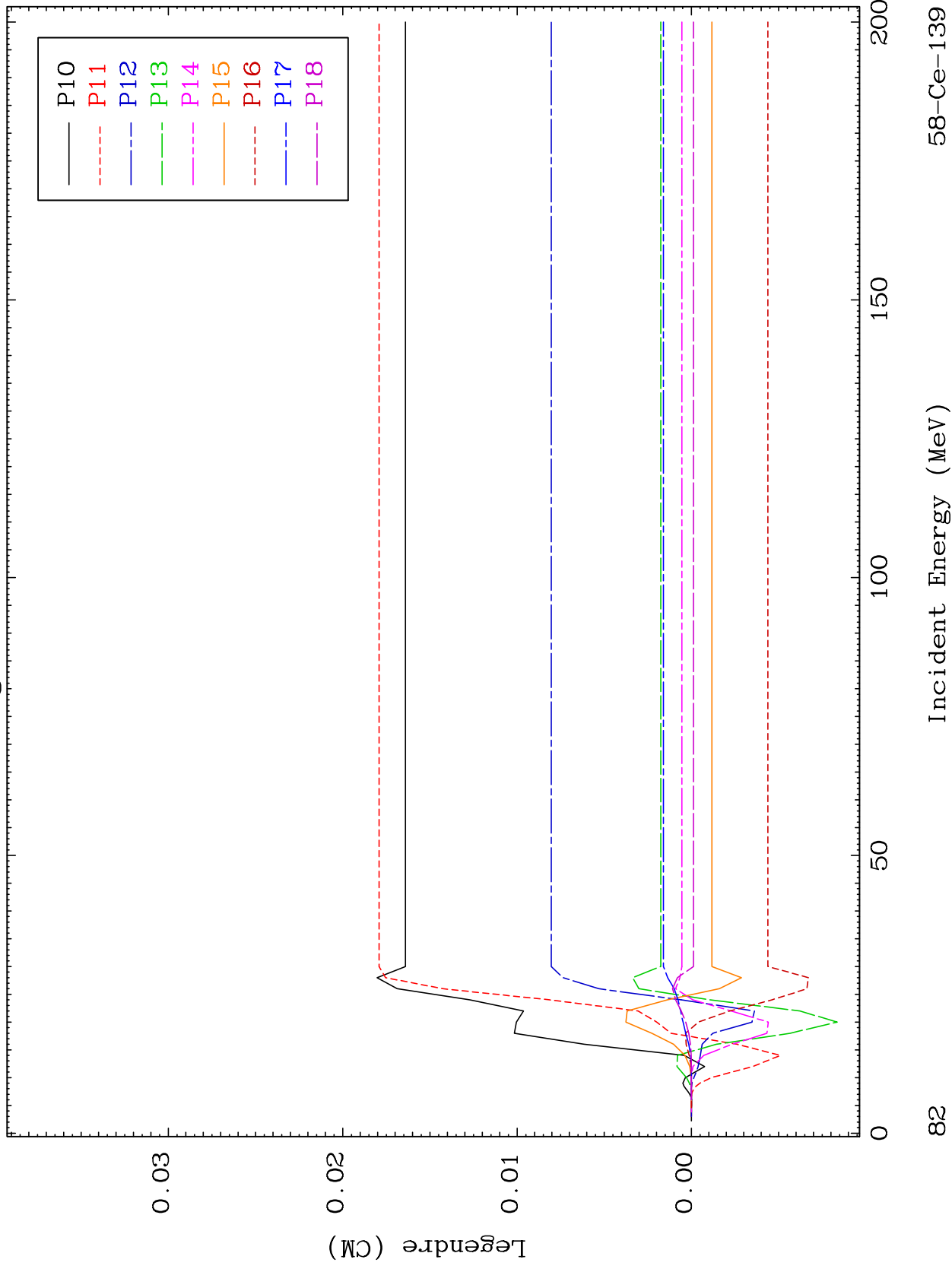
Incident Energy (MeV)

81

MAT 5834

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

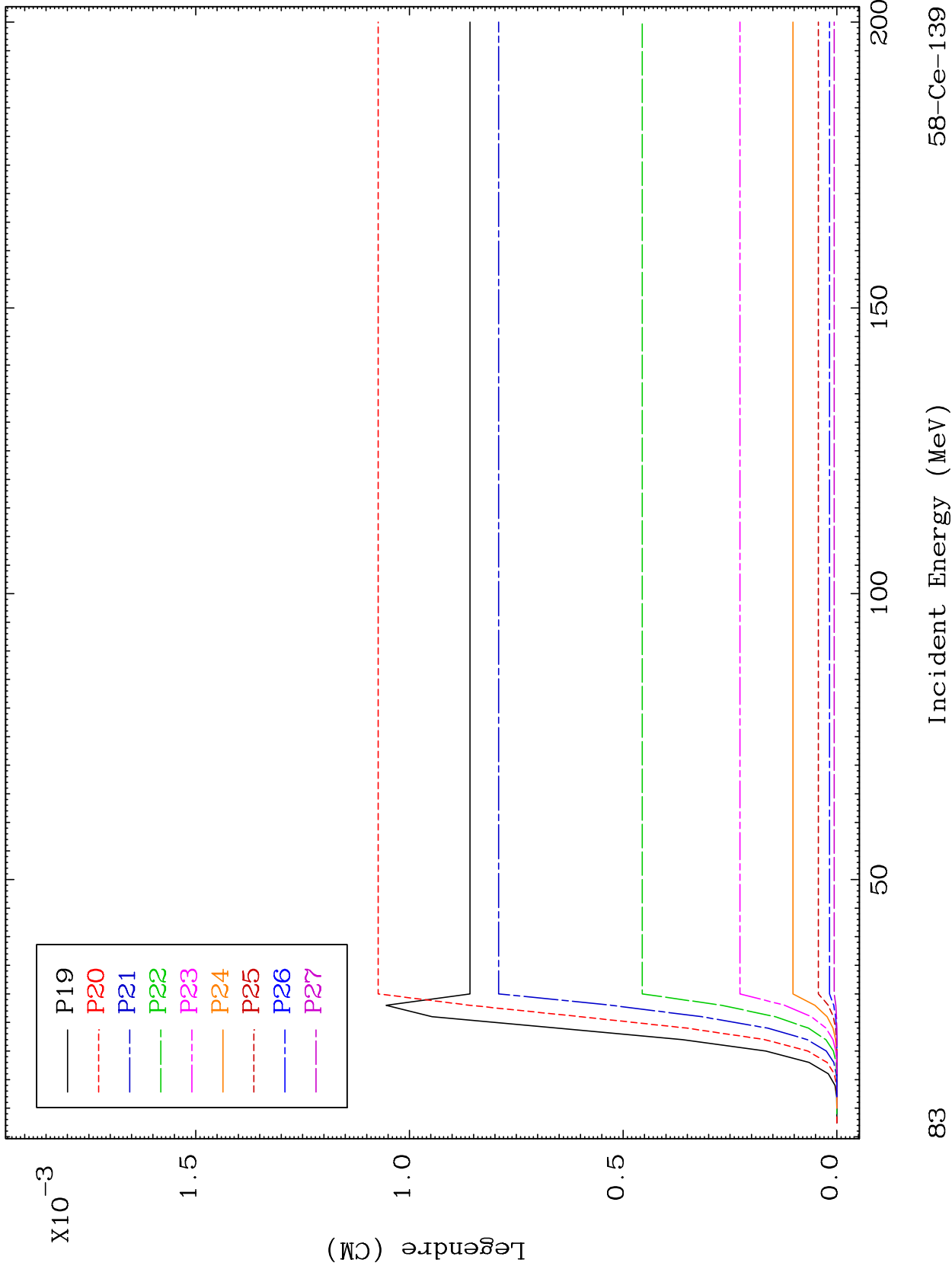
58-Ce-139



58-Ce-139

Incident Energy (MeV)

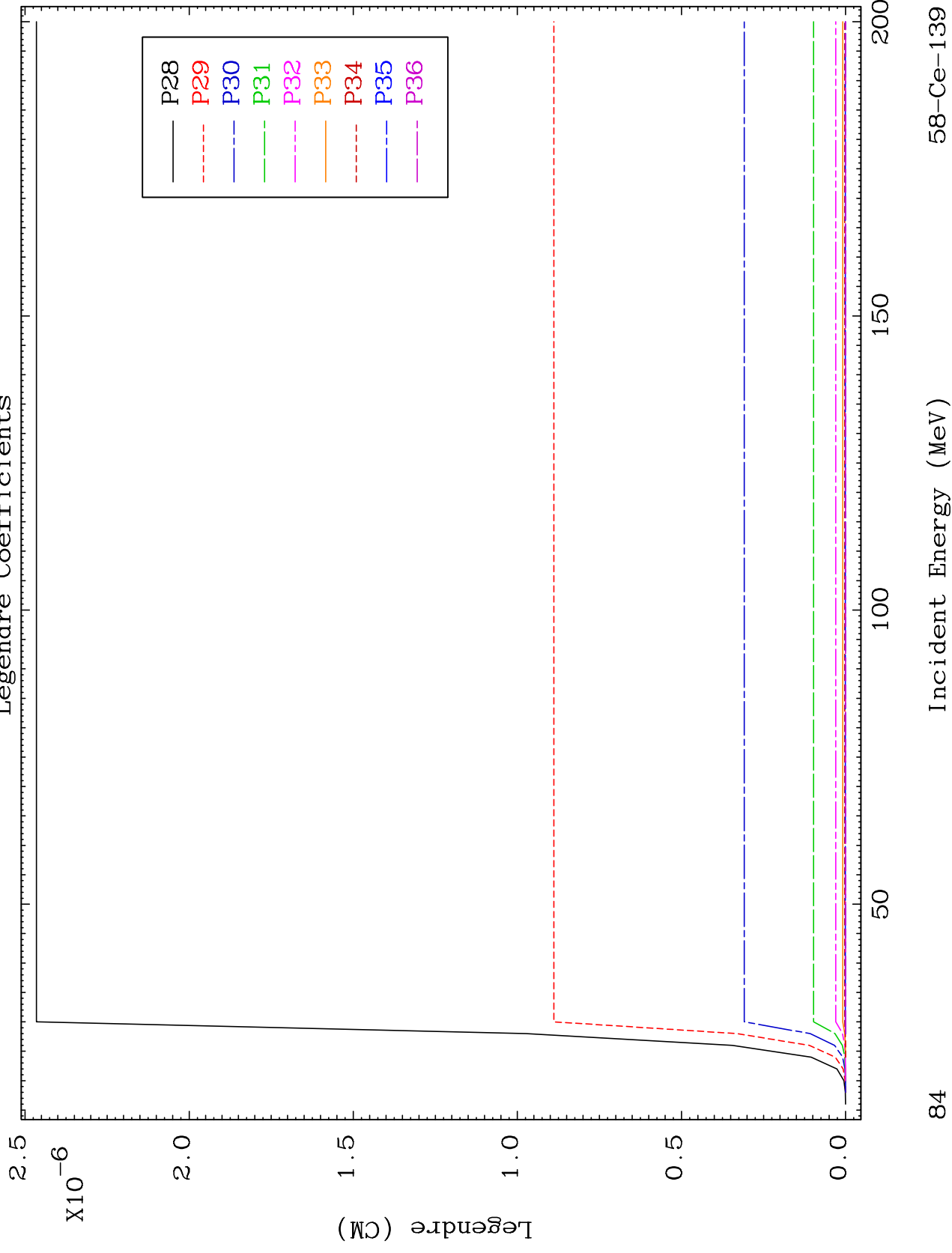
82



MAT 5834

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

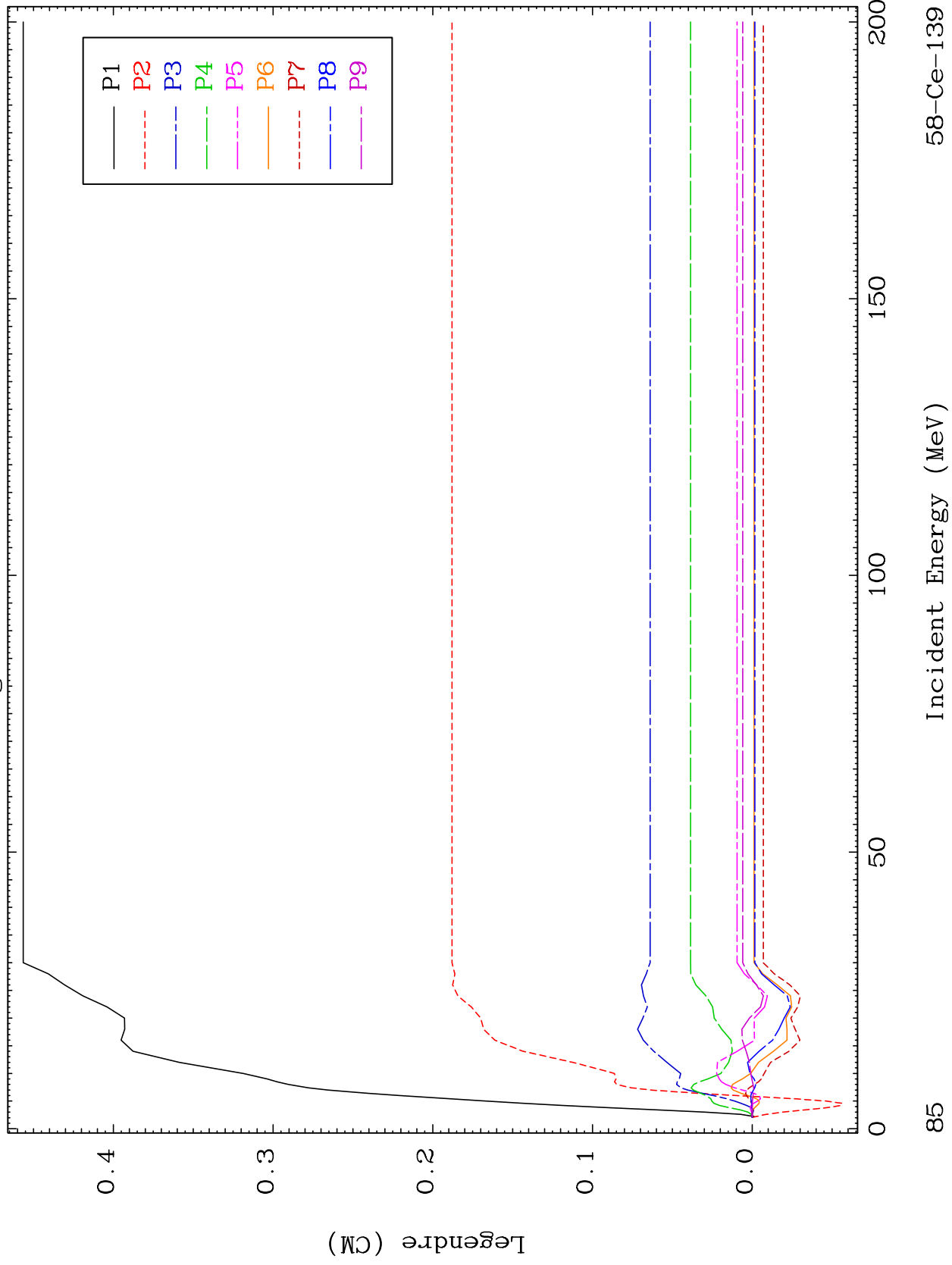
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

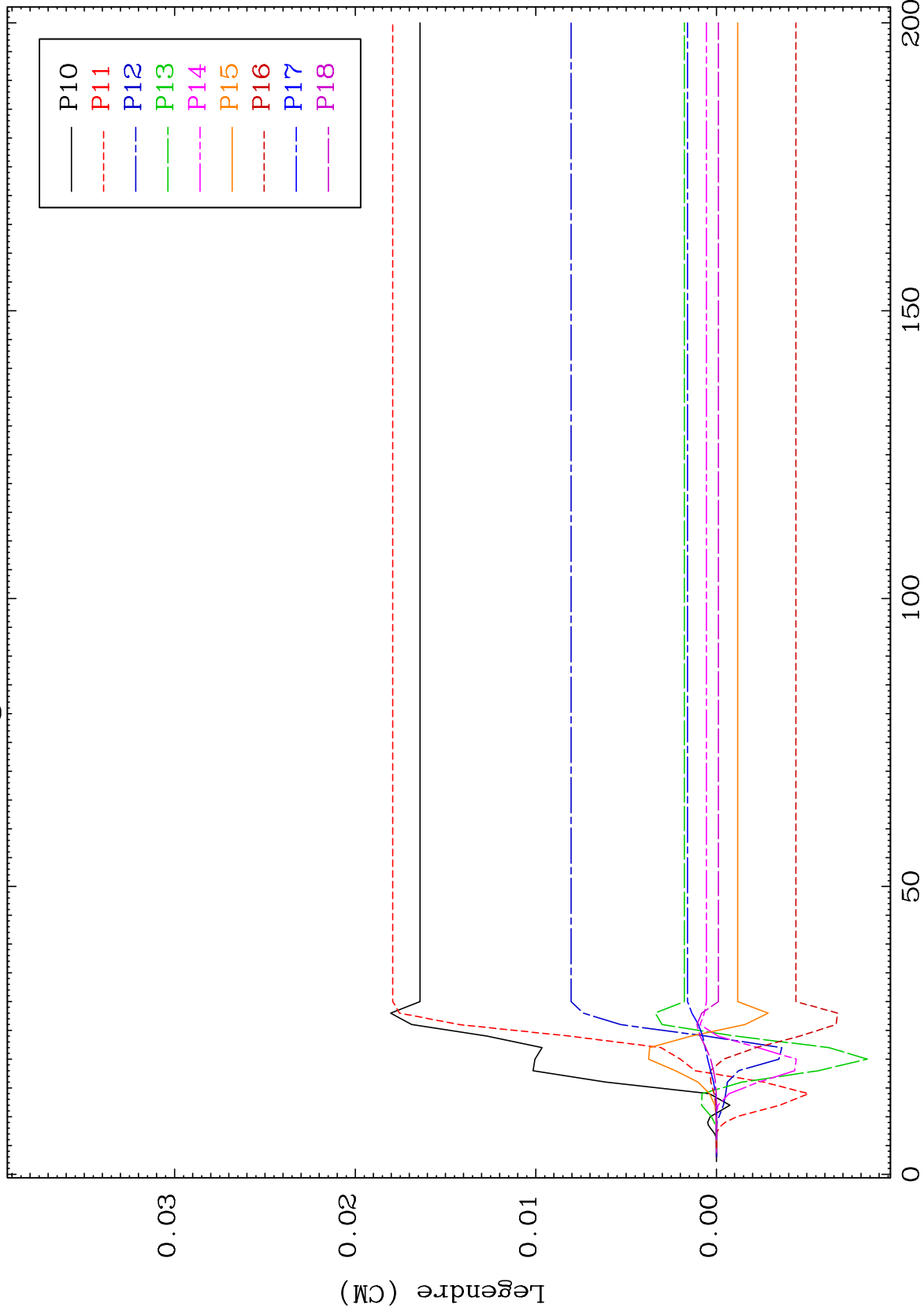
Incident Energy (MeV)

85

MAT 5834

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

58-Ce-139



86

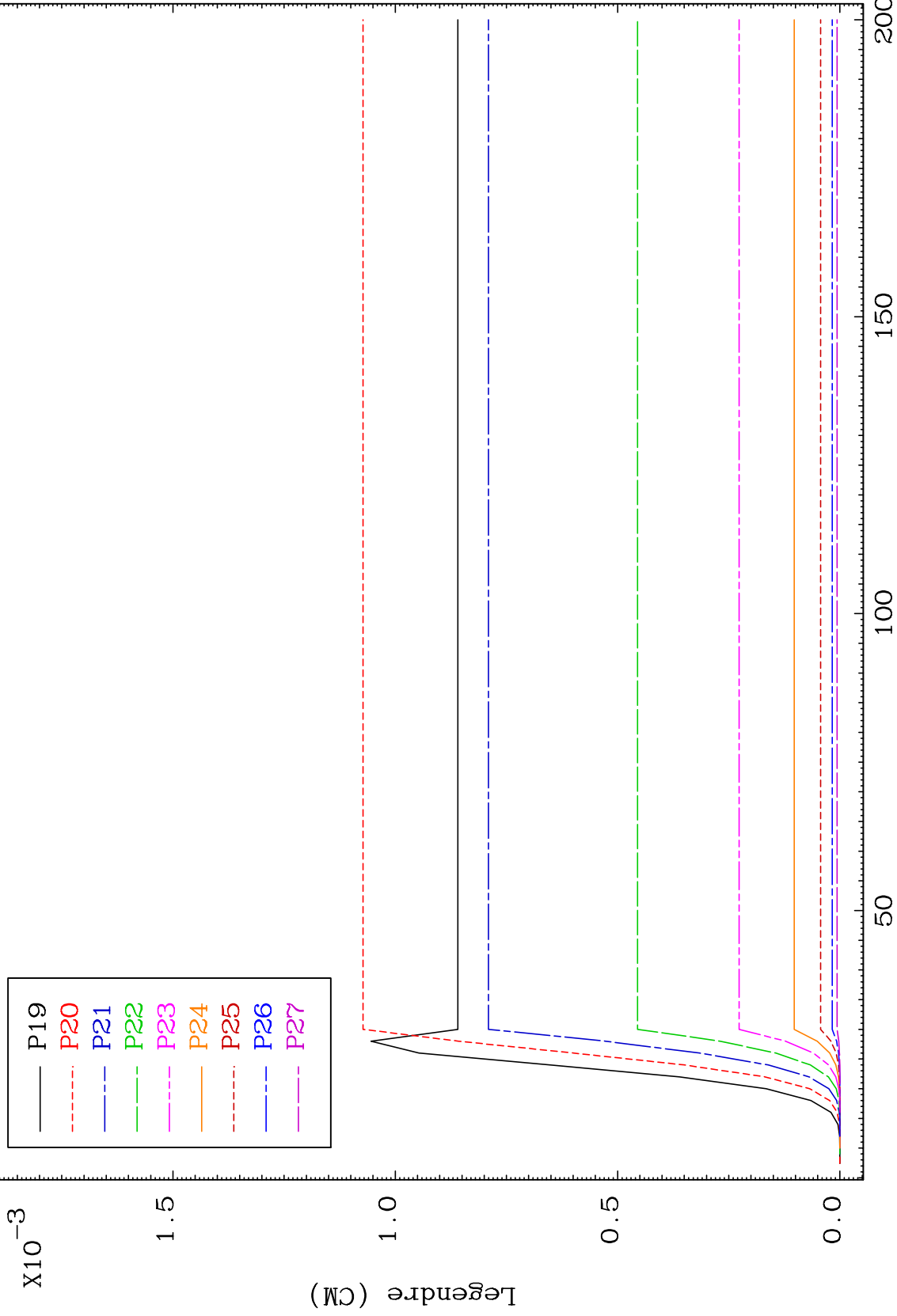
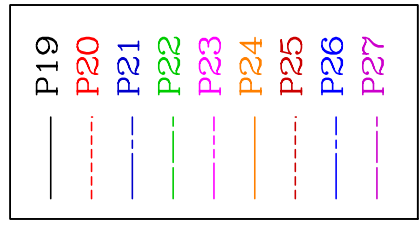
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



87

Incident Energy (MeV)

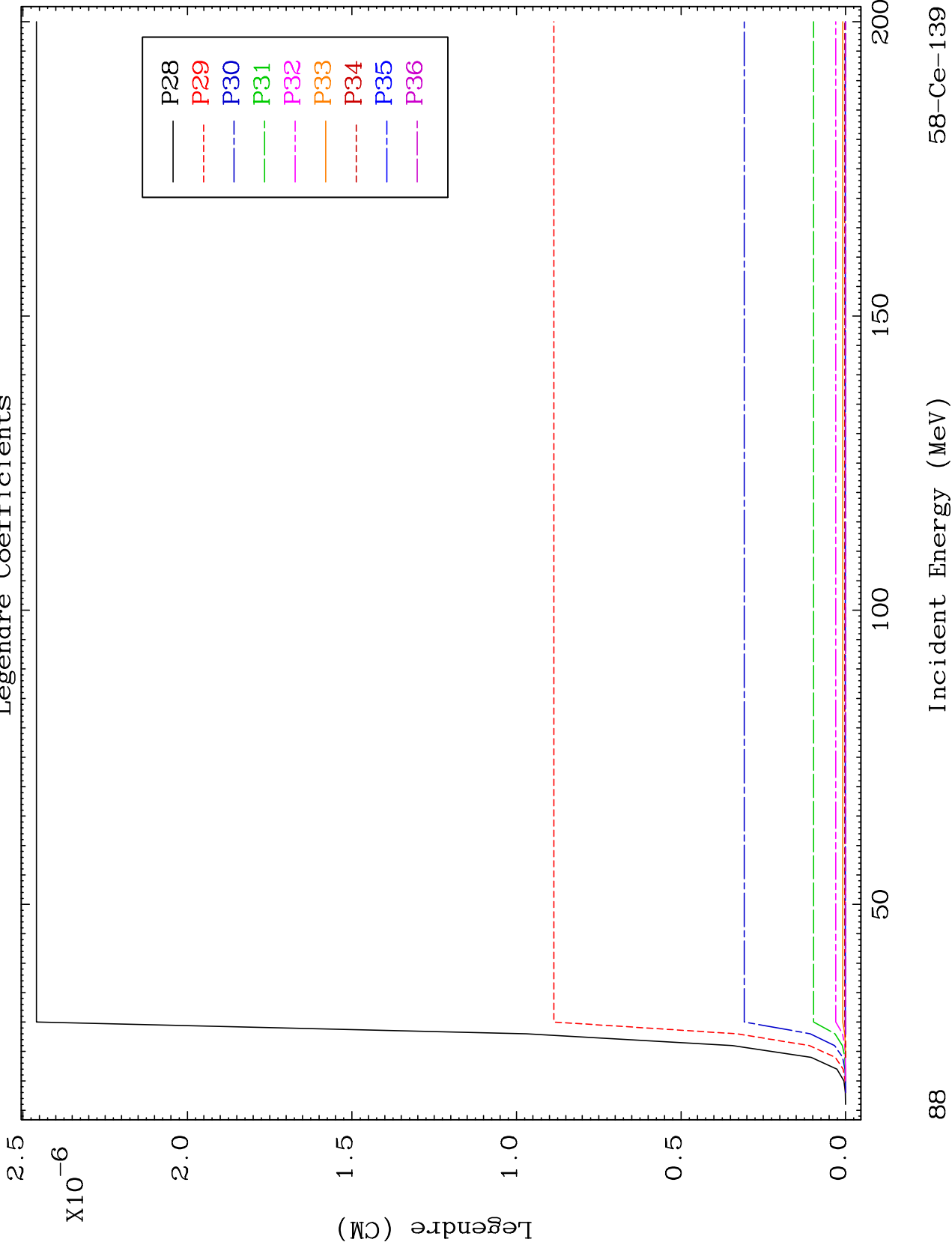
58-Ce-139



MAT 5834

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

58-Ce-139



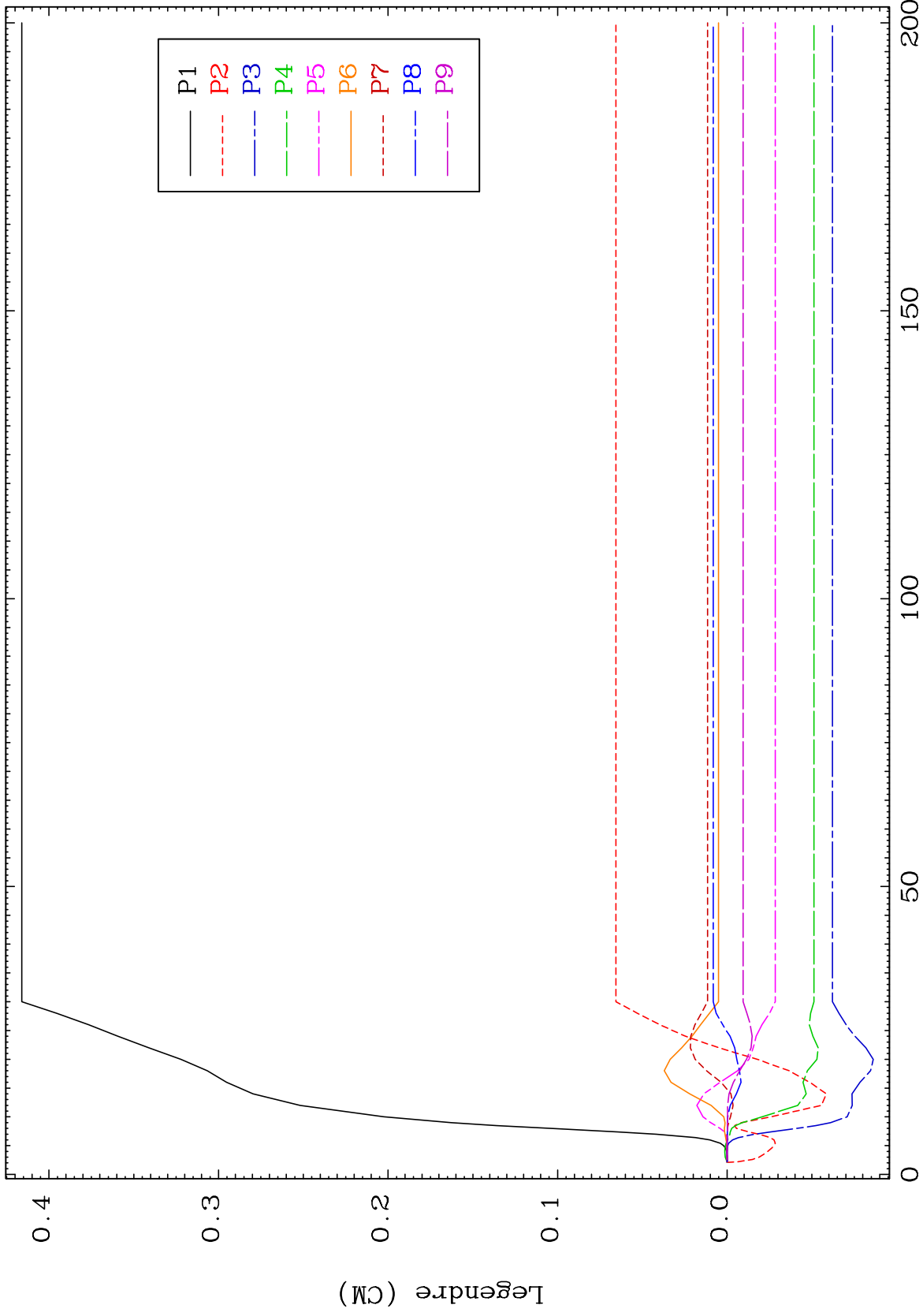
88

58-Ce-139

MAT 5834

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

58-Ce-139



89

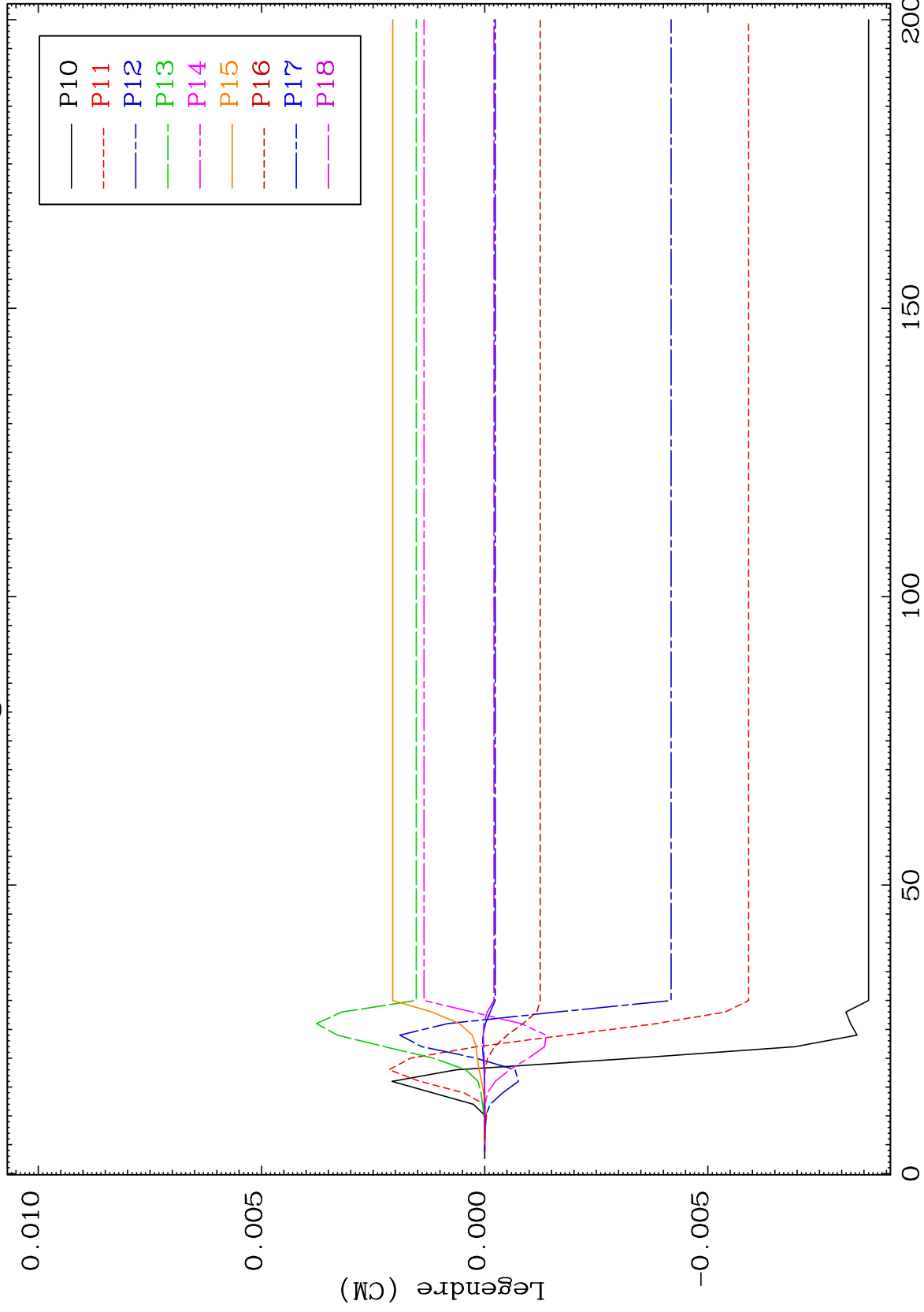
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



90

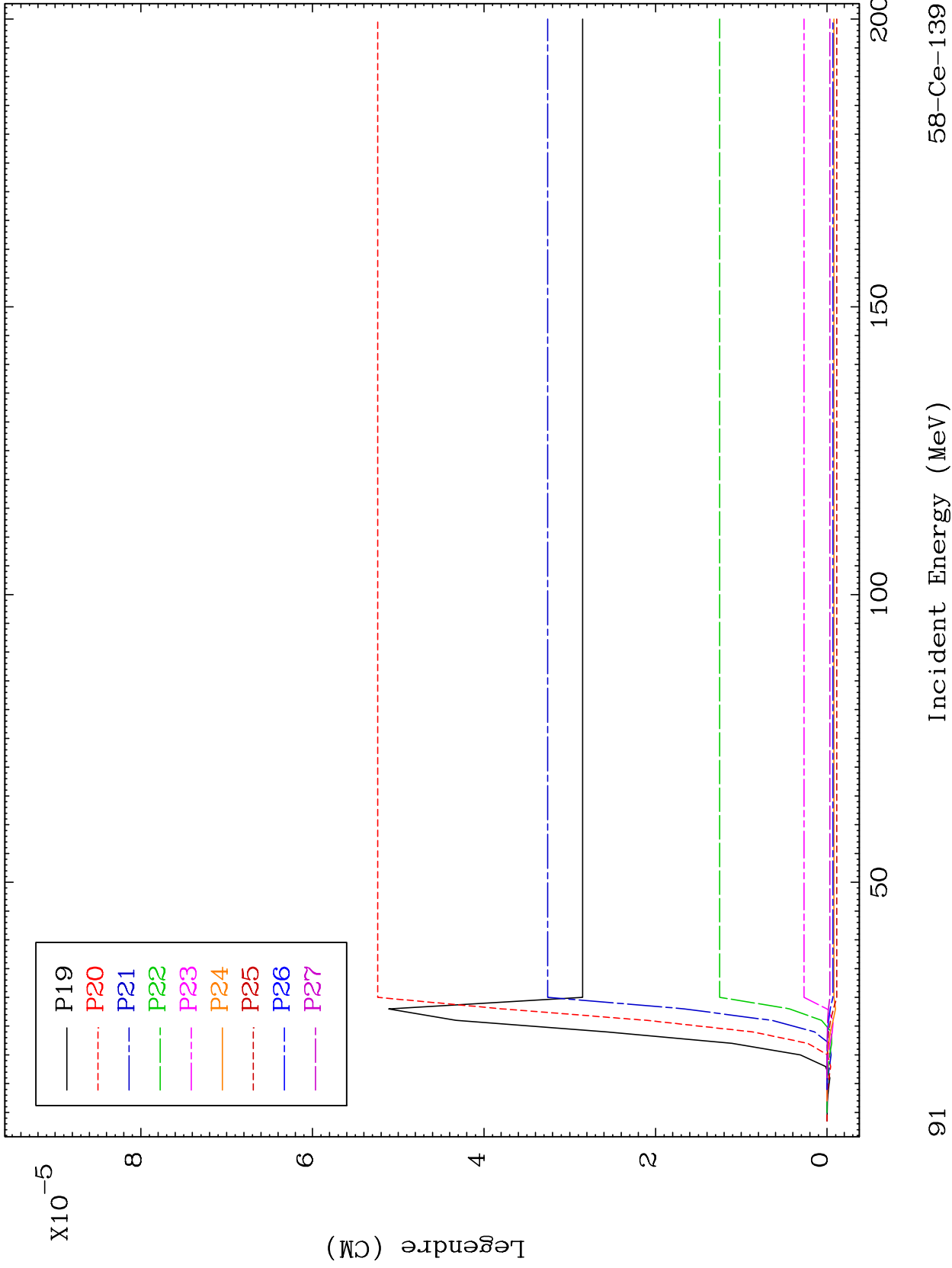
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

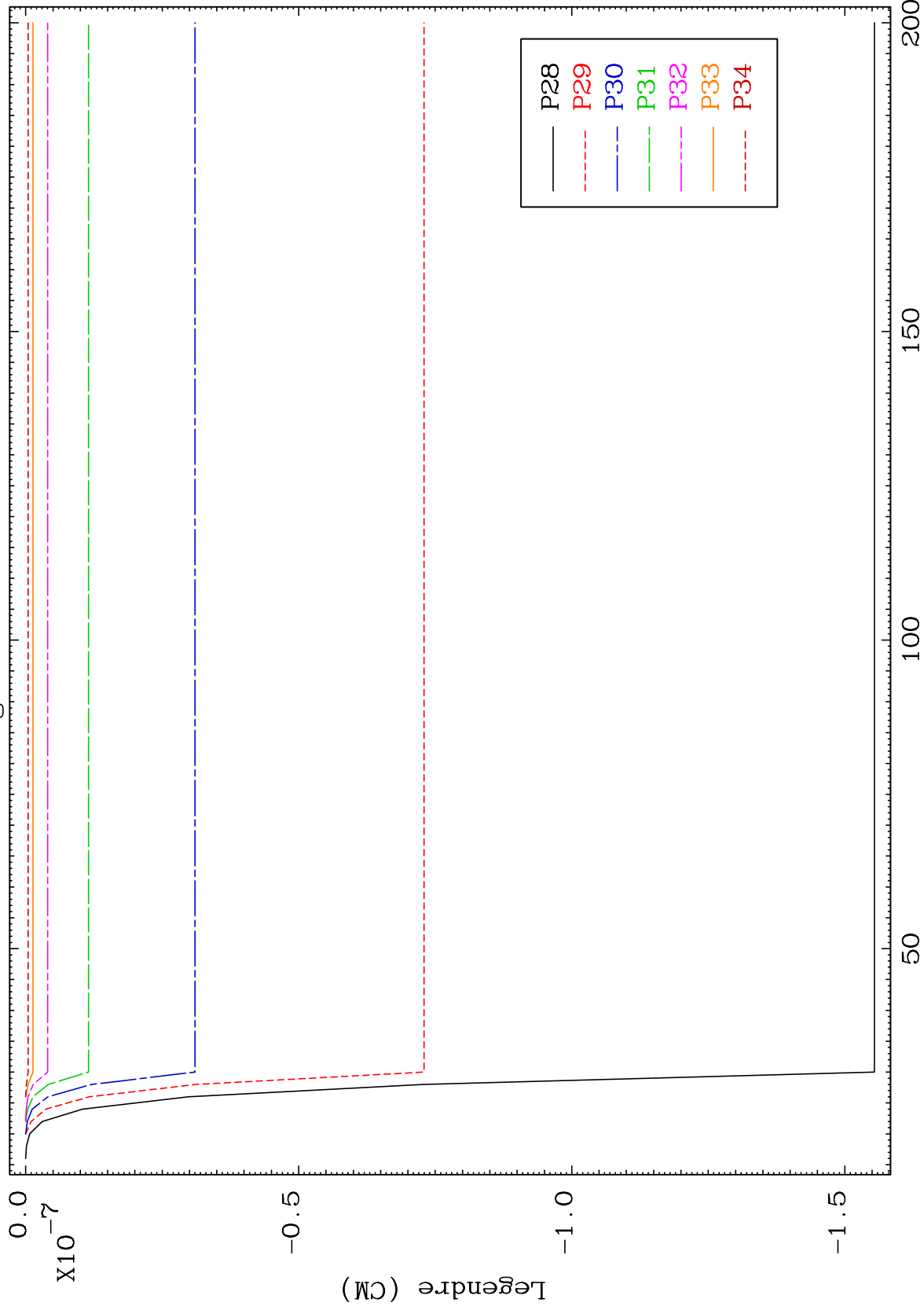


MAT 5834

MT= 69 (n,n') Level

58-Ce-139

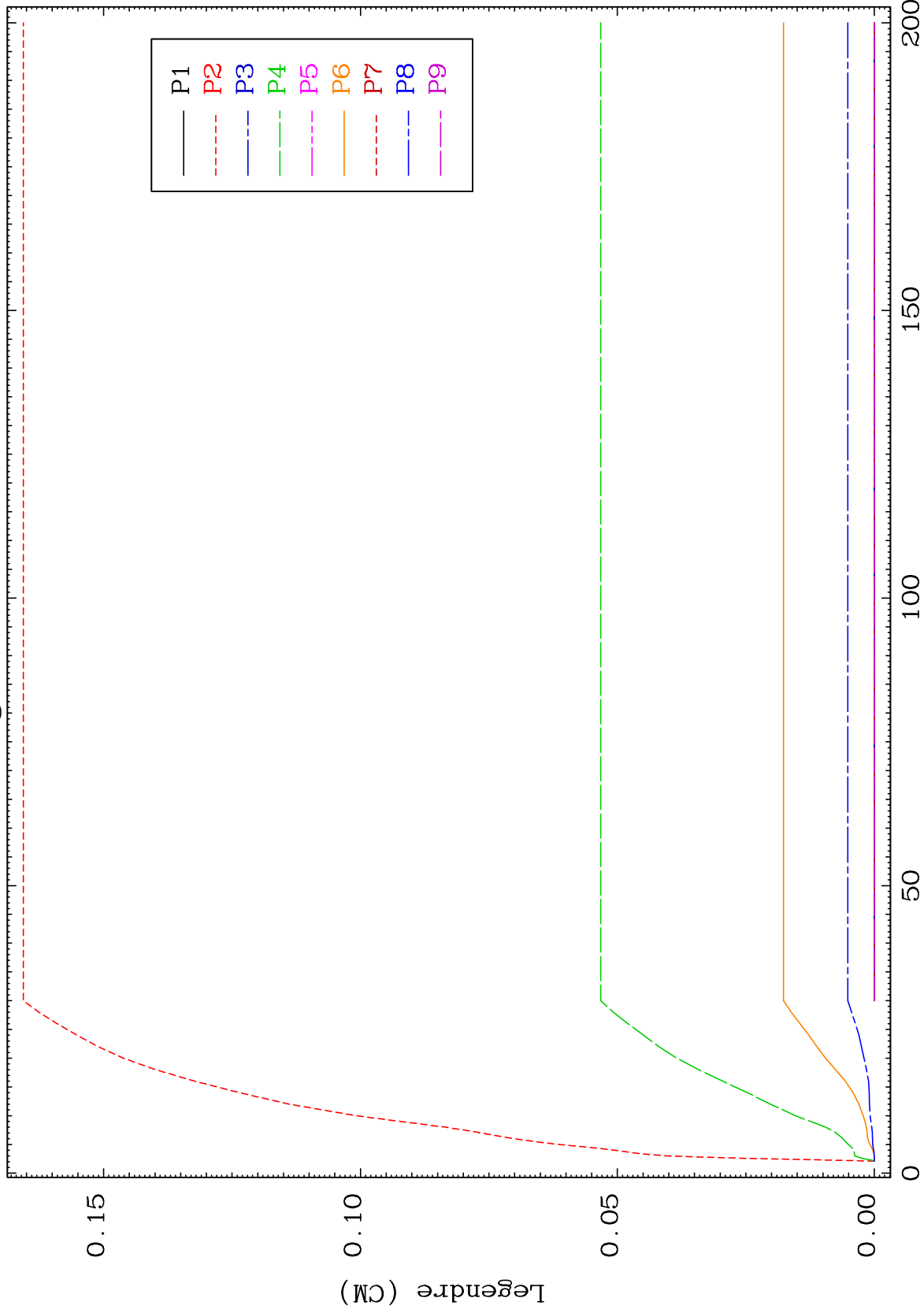
Legendre Coefficients



MAT 5834

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

58-Ce-139



93

58-Ce-139





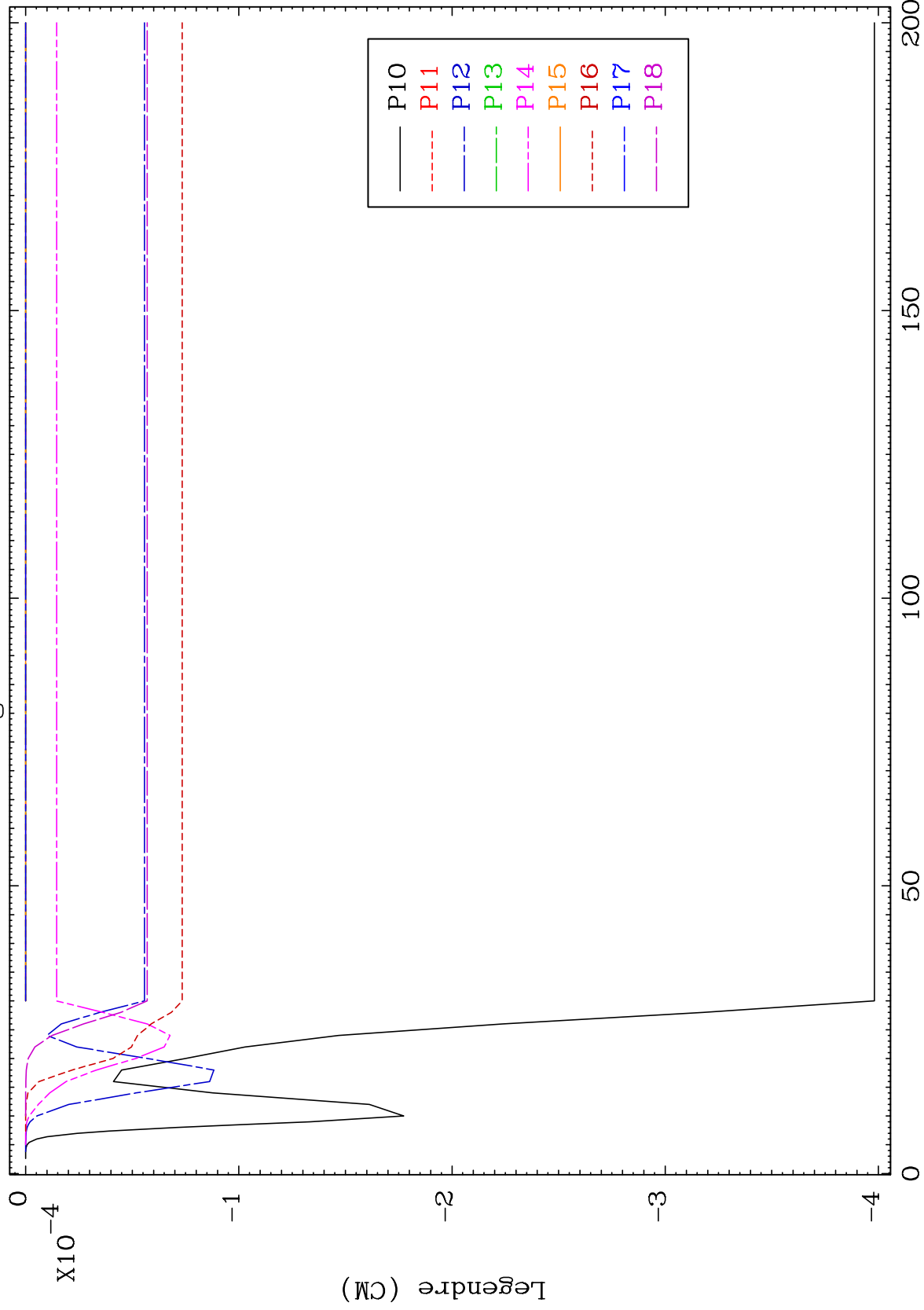


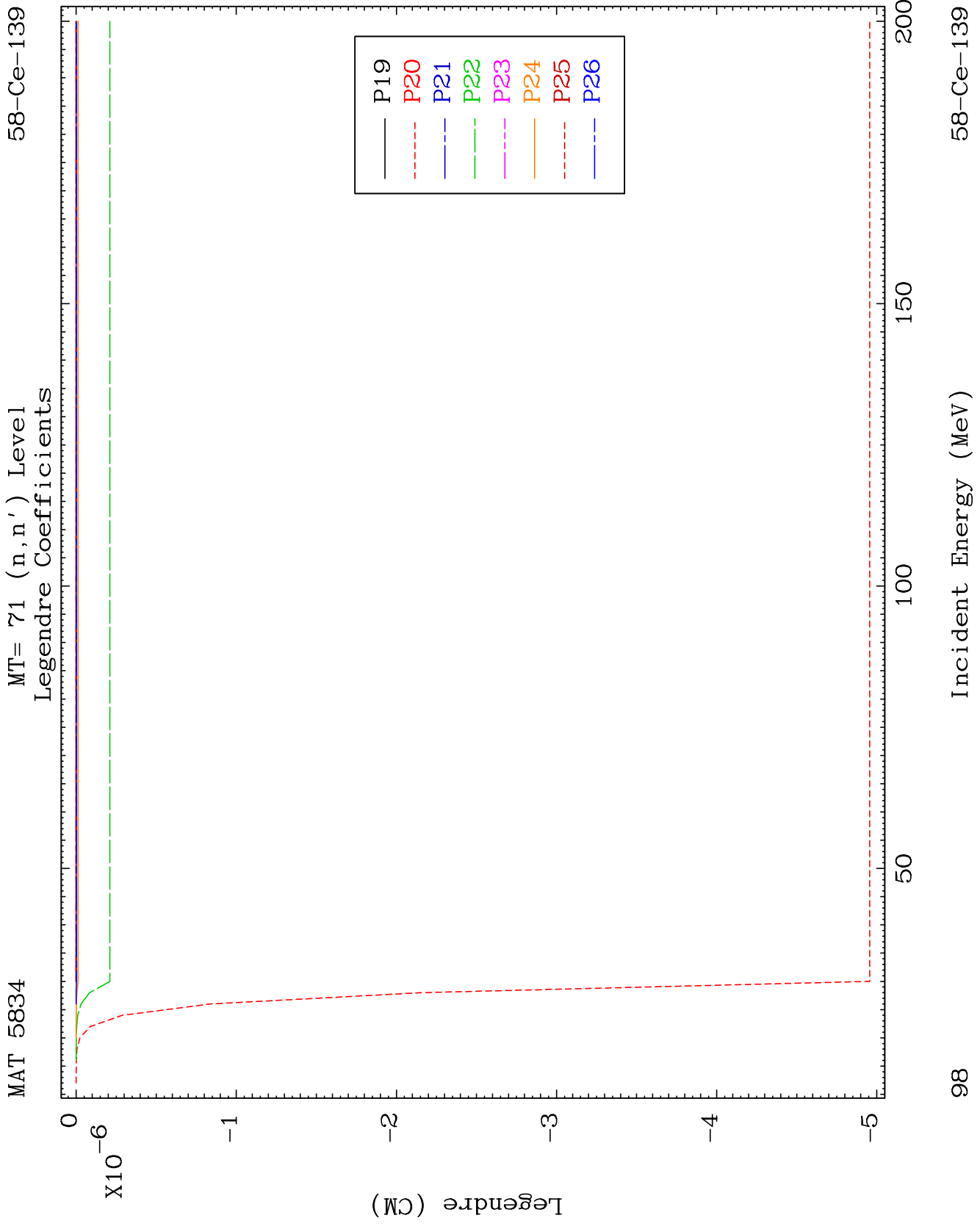


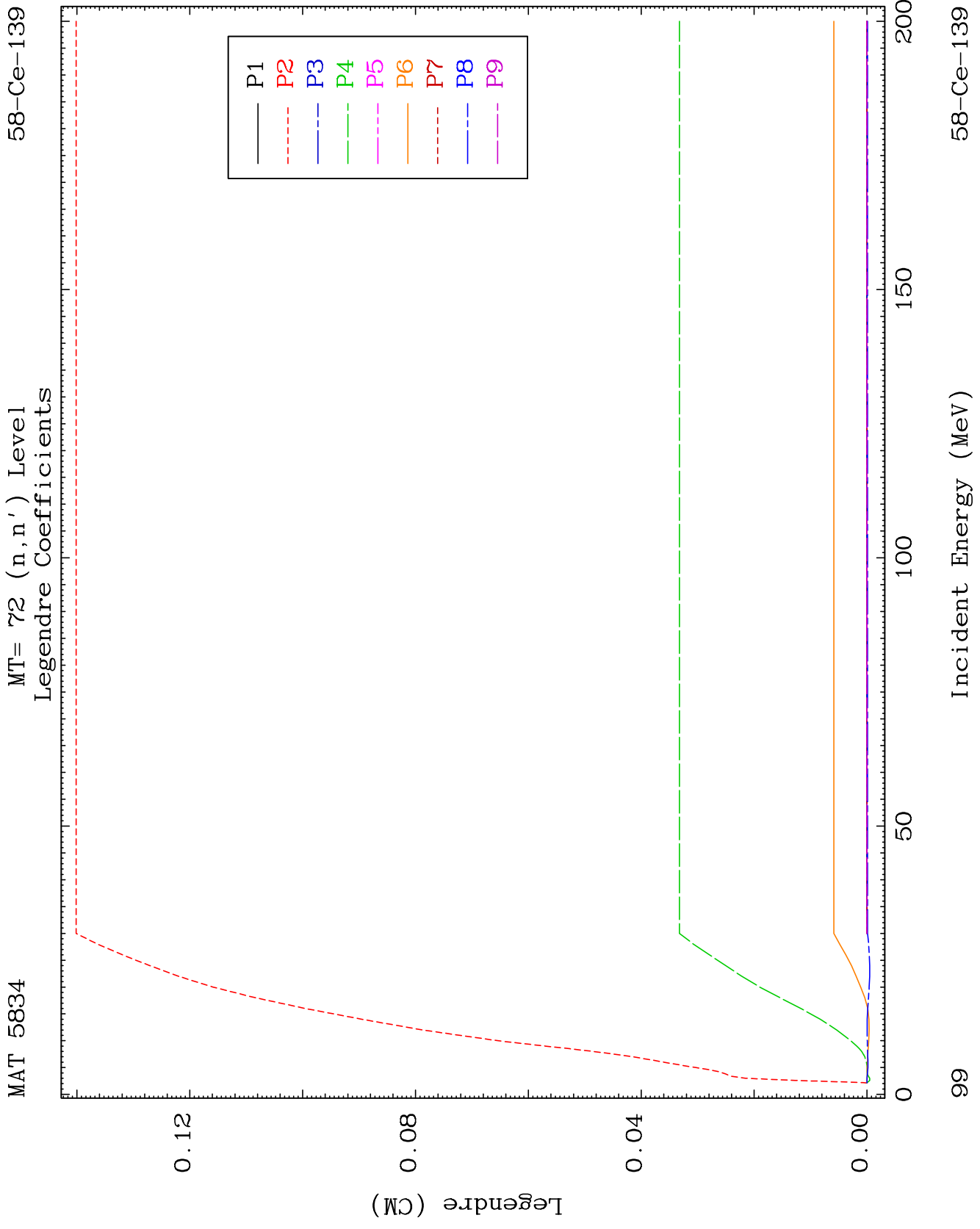
MAT 5834

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

58-Ce-139



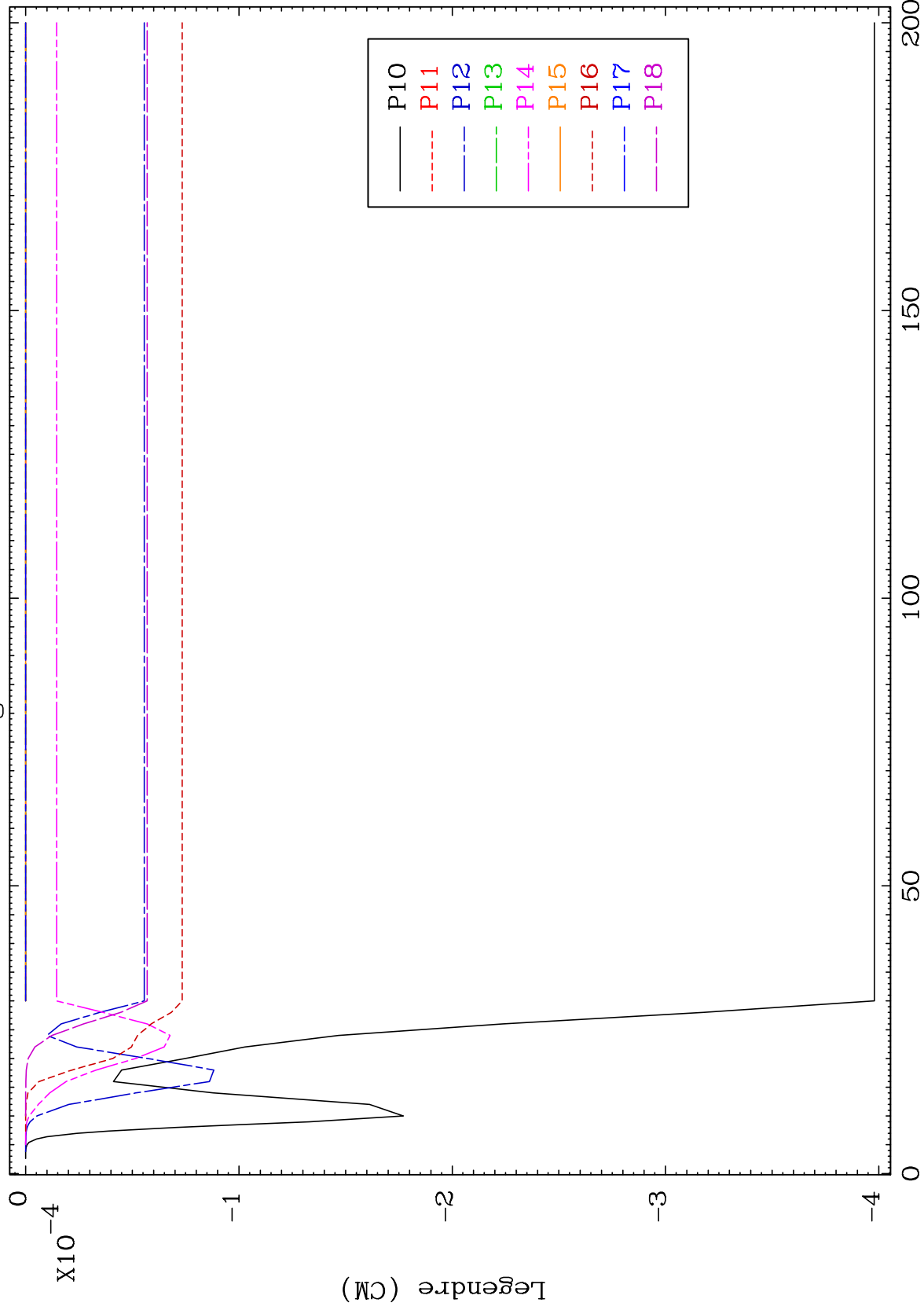


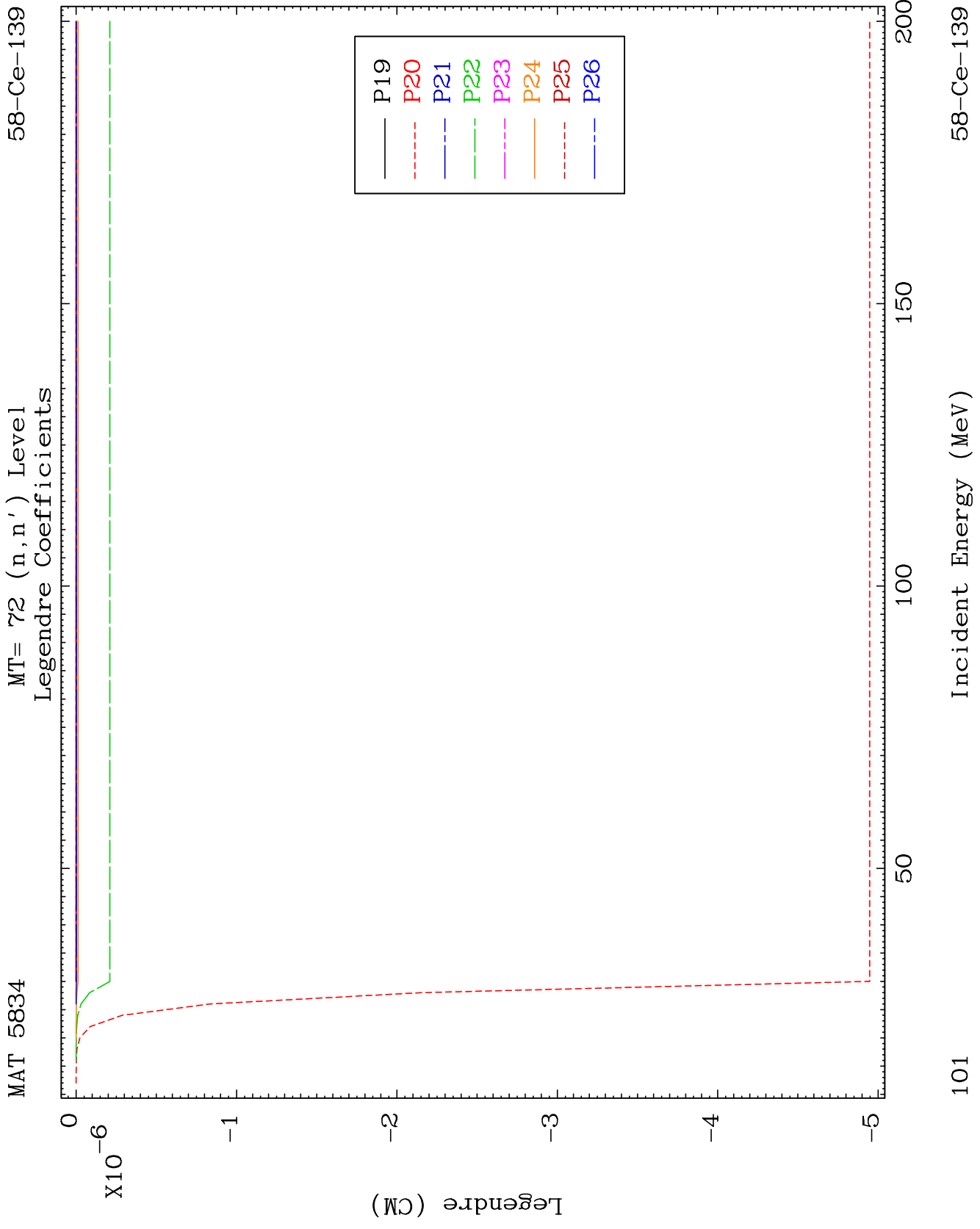


MAT 5834

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

58-Ce-139

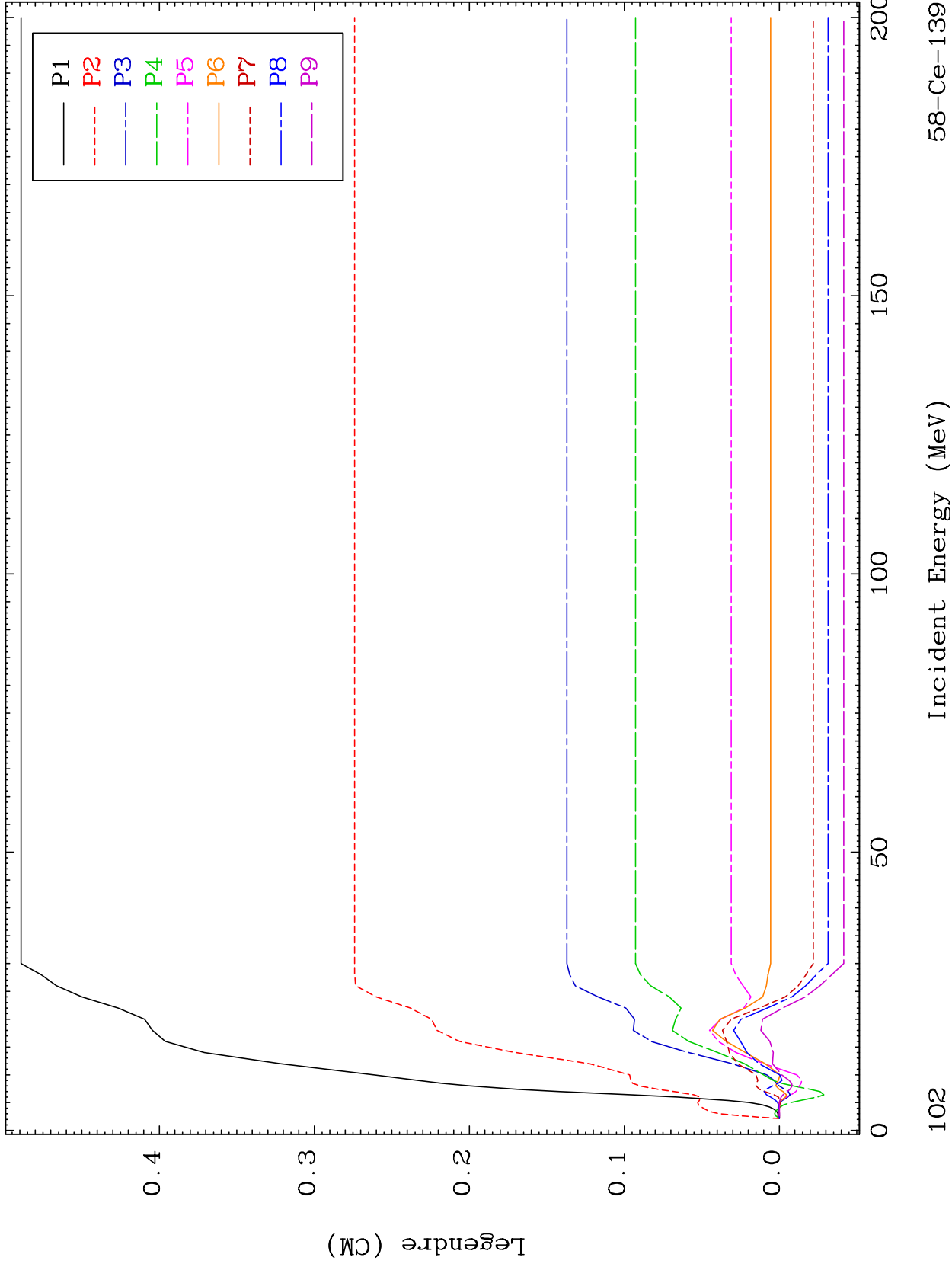




MAT 5834

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

58-Ce-139



58-Ce-139

Incident Energy (MeV)

102

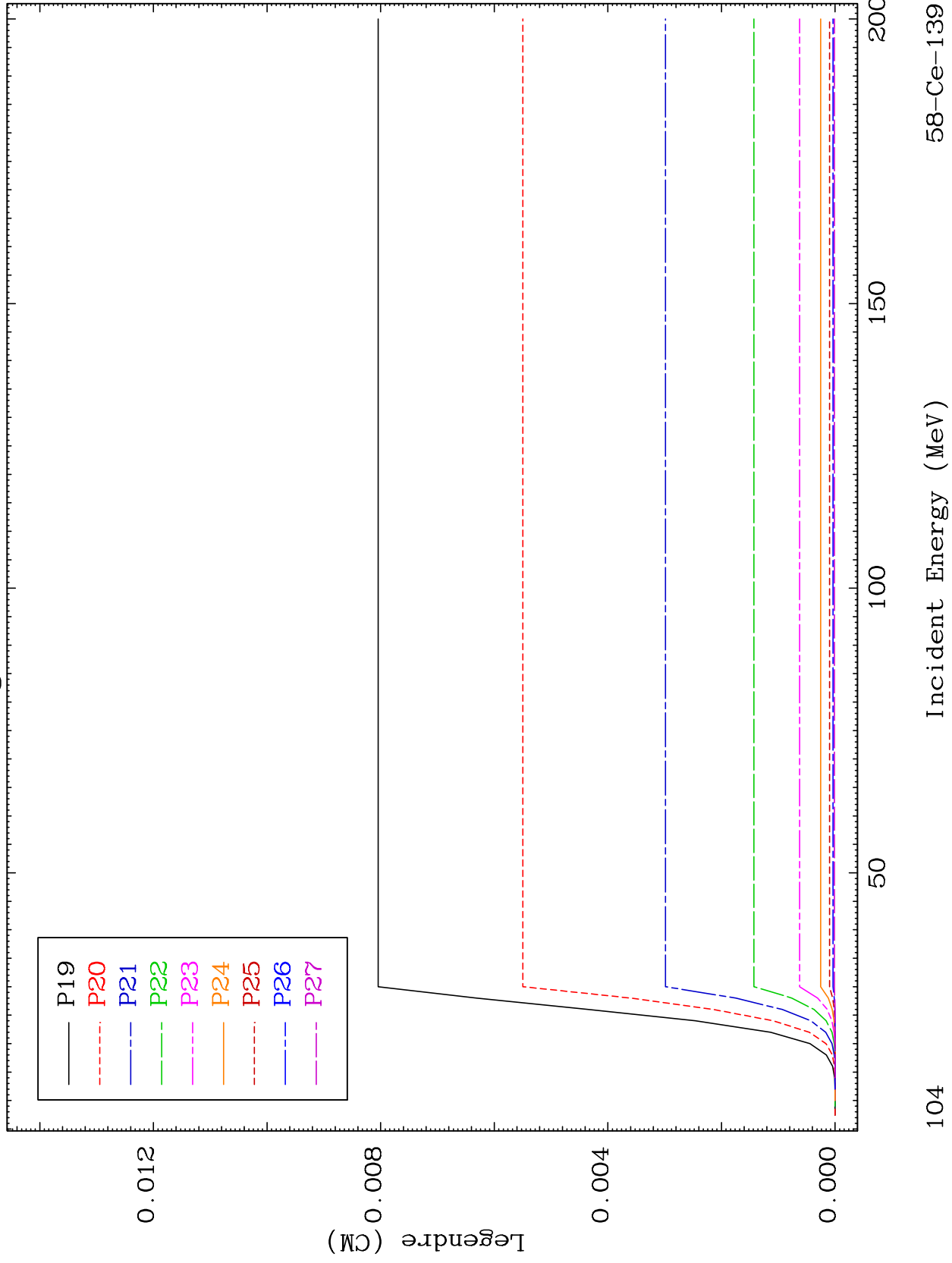




MAT 5834

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

58-Ce-139



104

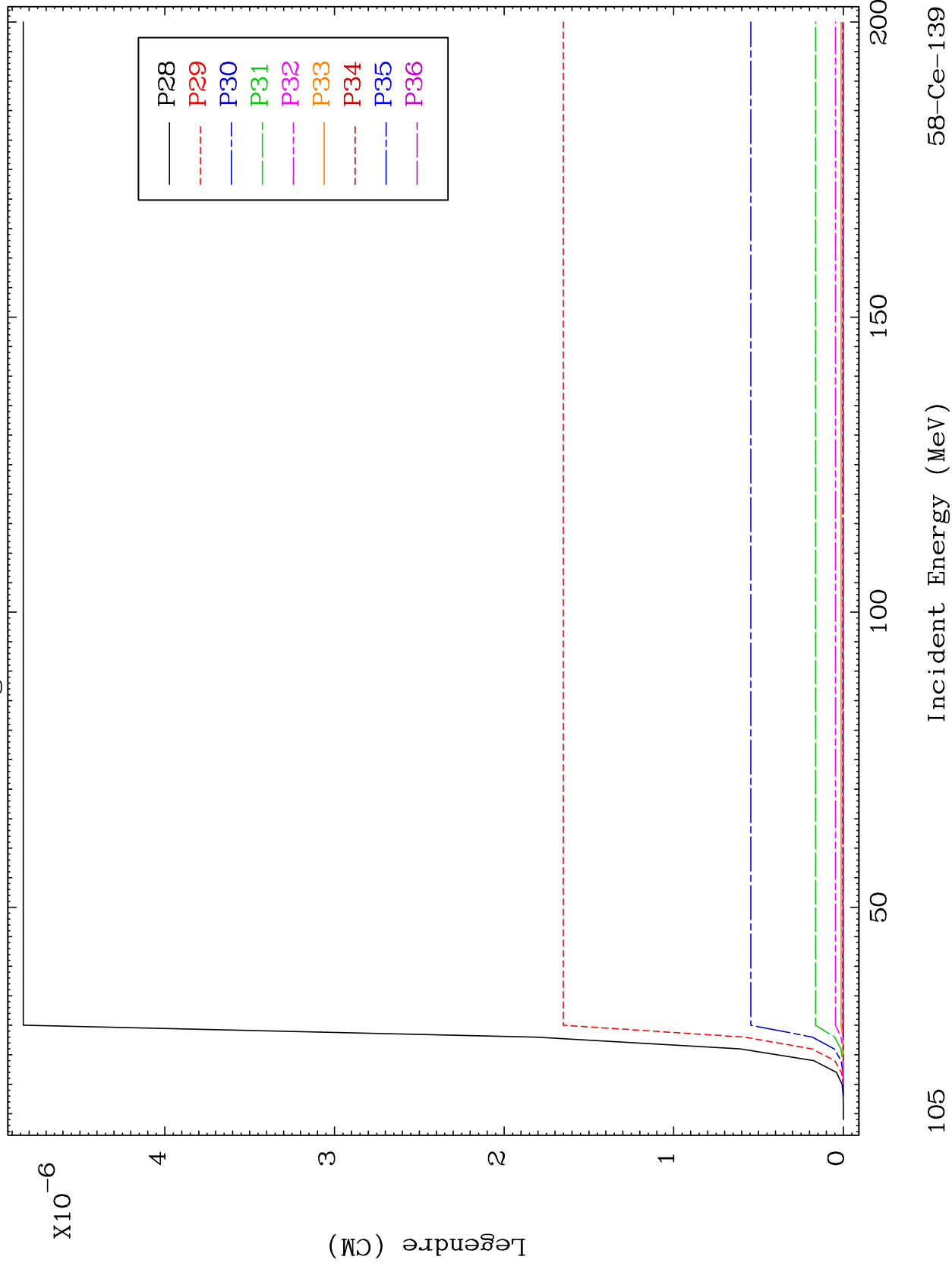
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

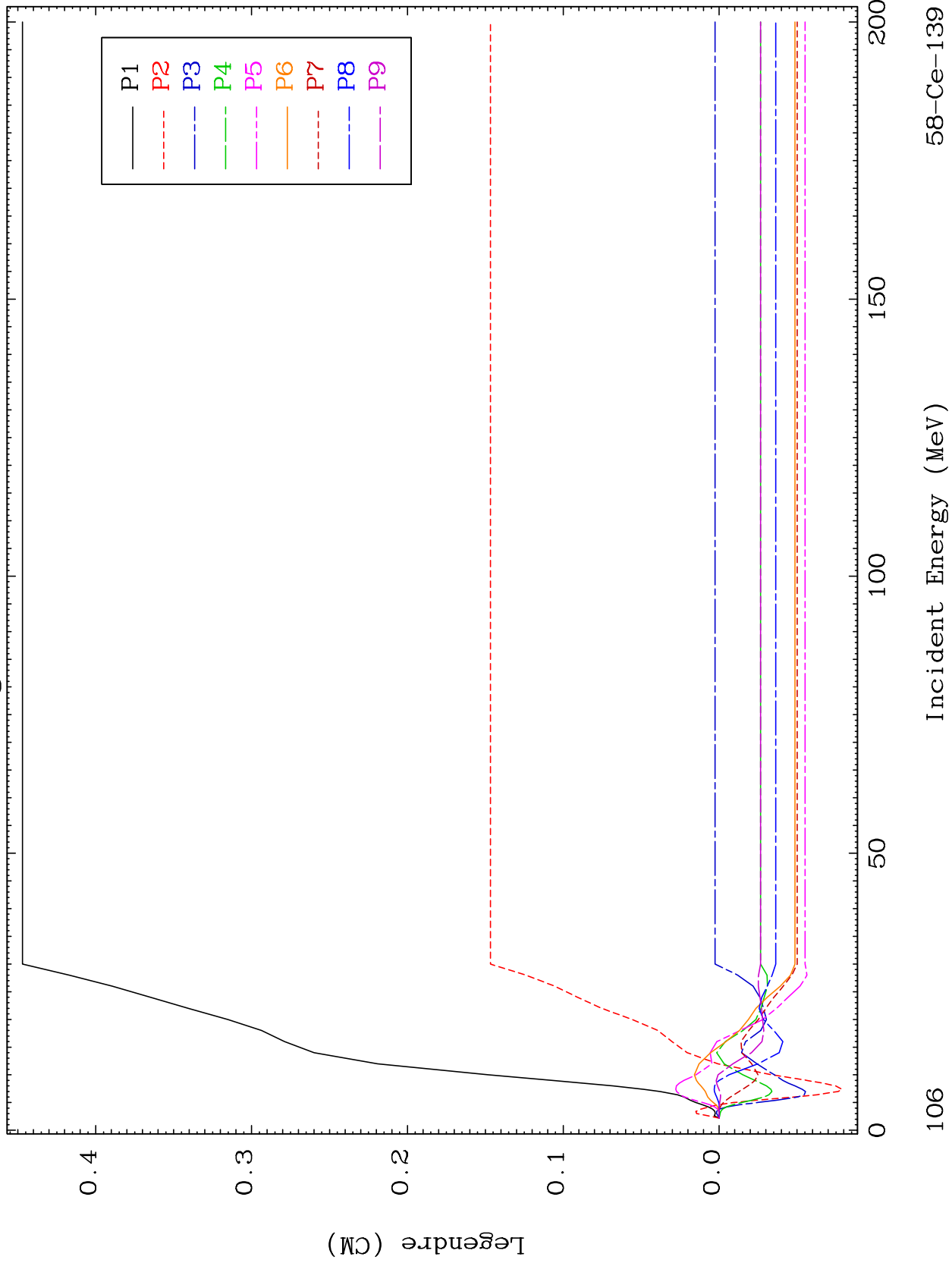
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

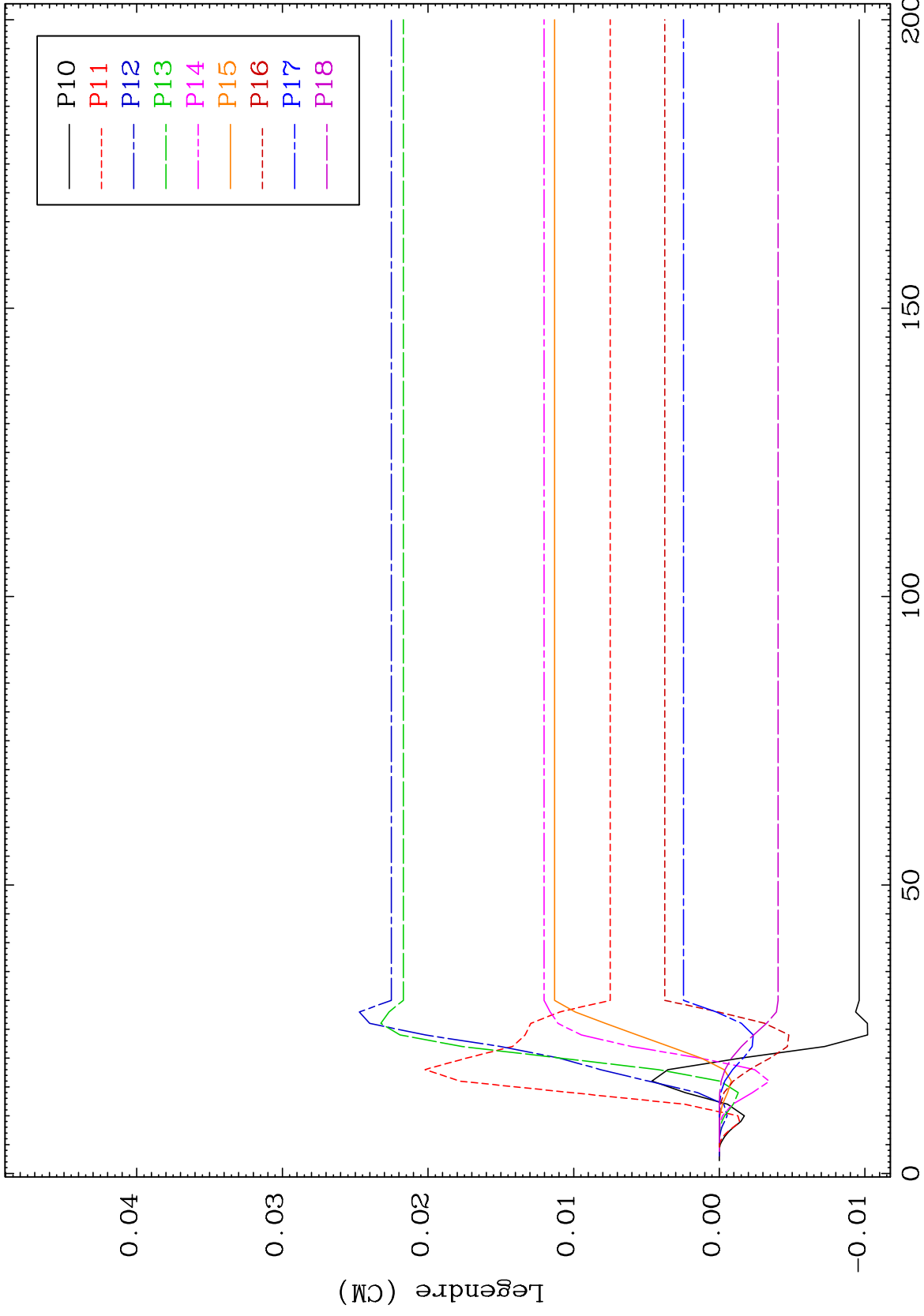
Incident Energy (MeV)

106

MAT 5834

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

58-Ce-139



107

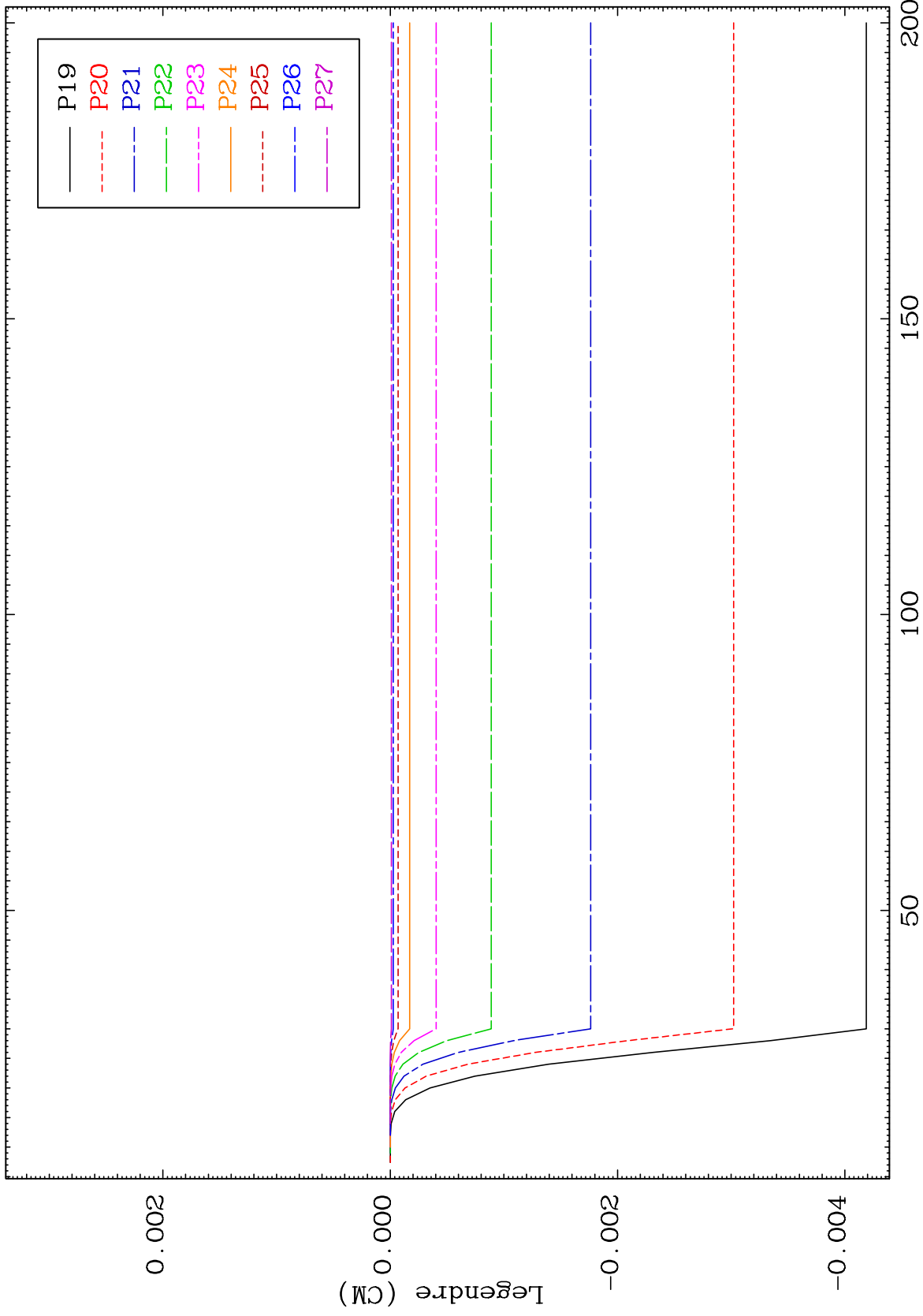
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

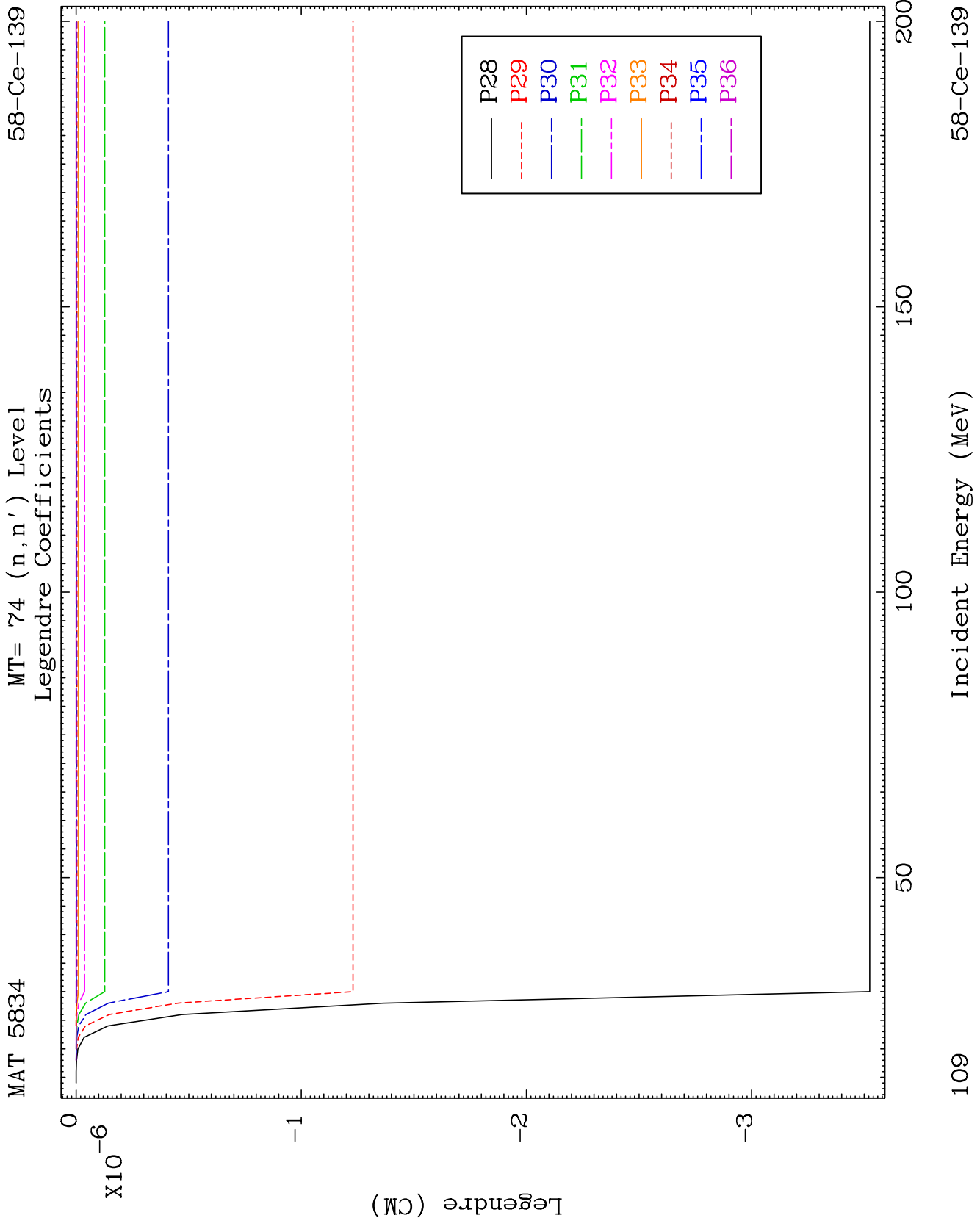
58-Ce-139



108

Incident Energy (MeV)

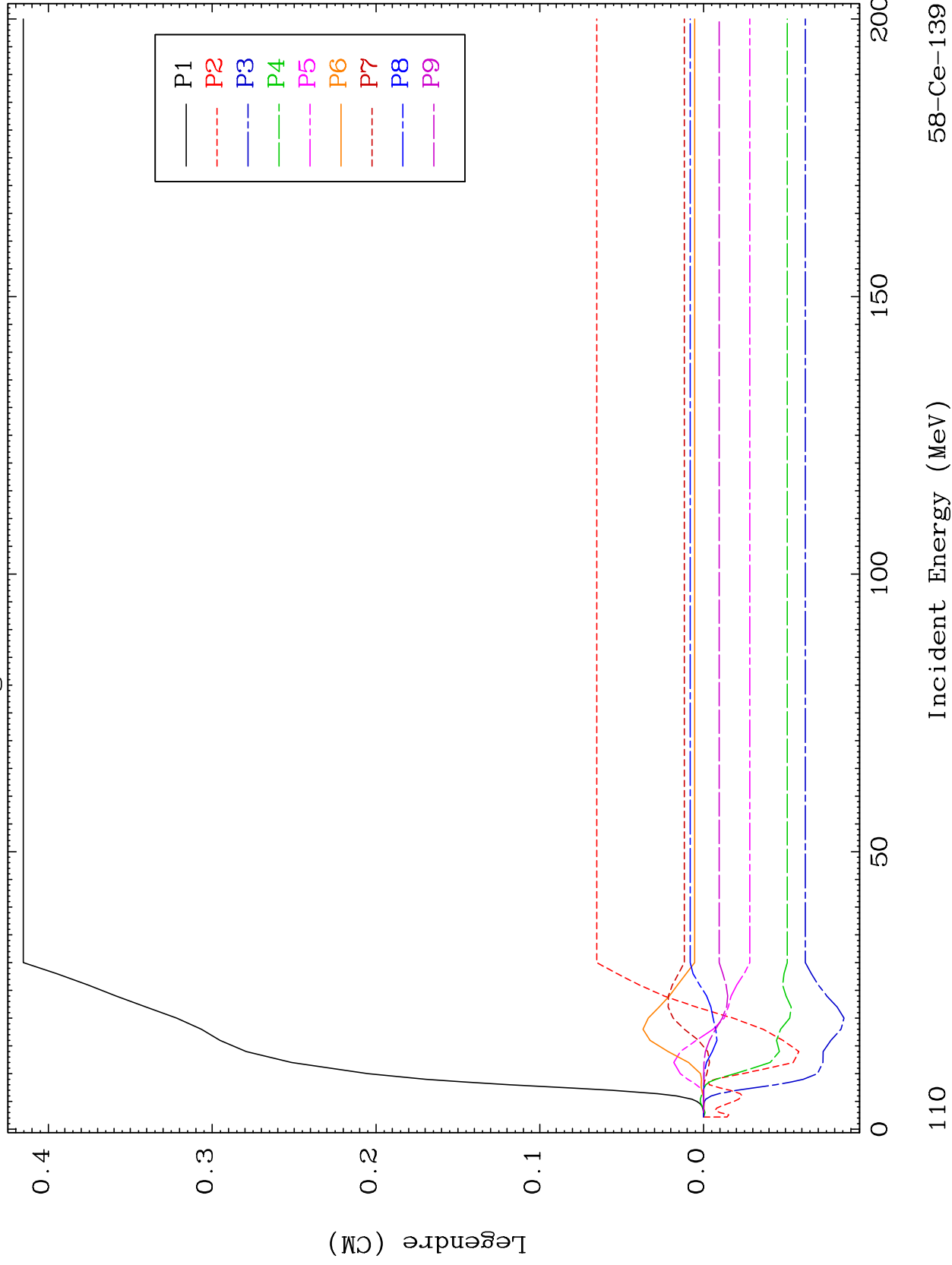
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

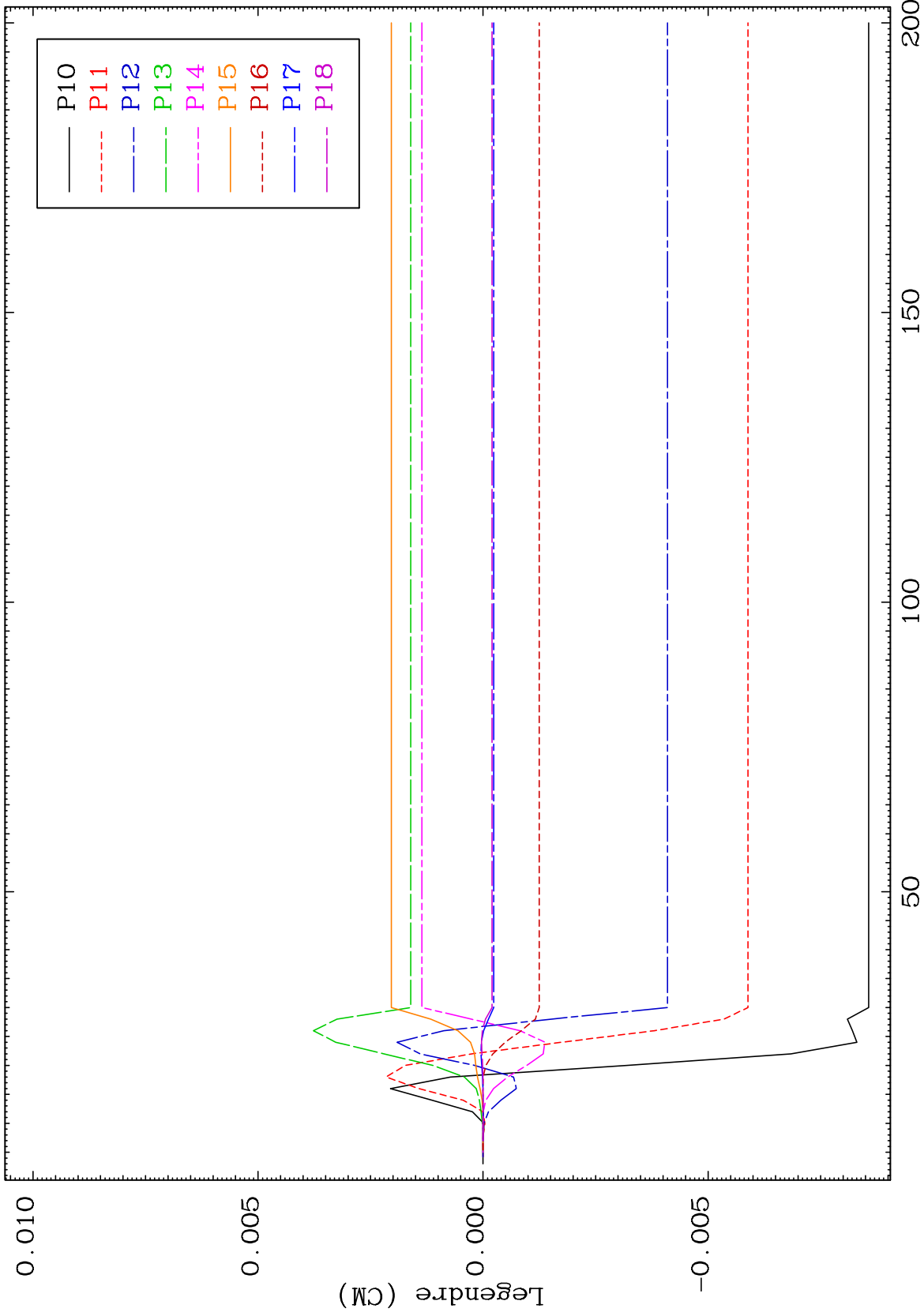
Incident Energy (MeV)

110

MAT 5834

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

58-Ce-139



111

Incident Energy (MeV)

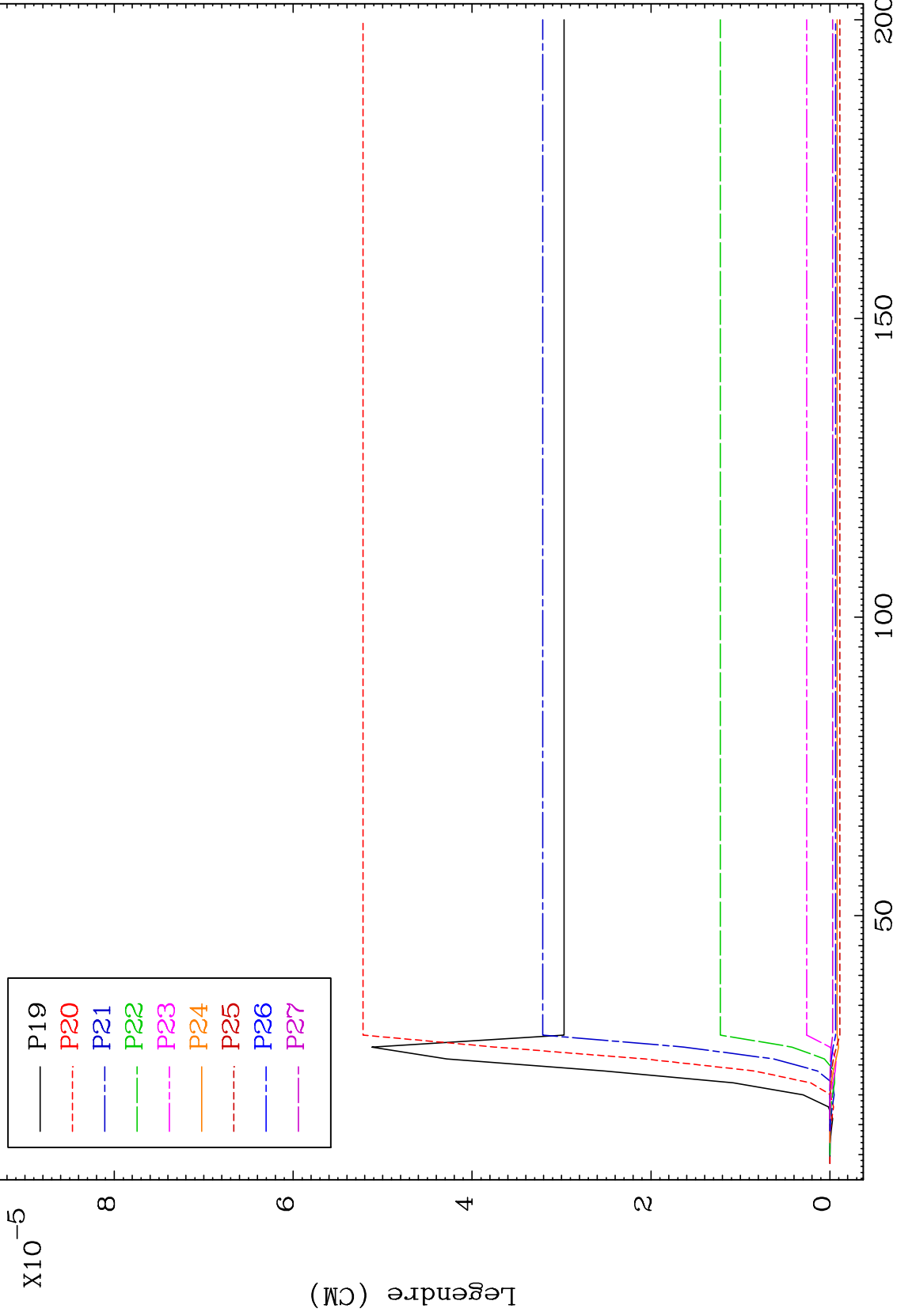
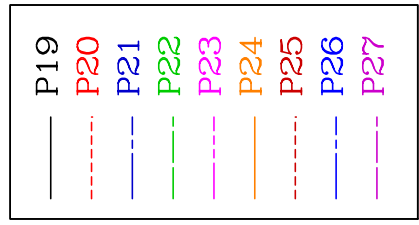
58-Ce-139



MAT 5834

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

58-Ce-139



112

Incident Energy (MeV)

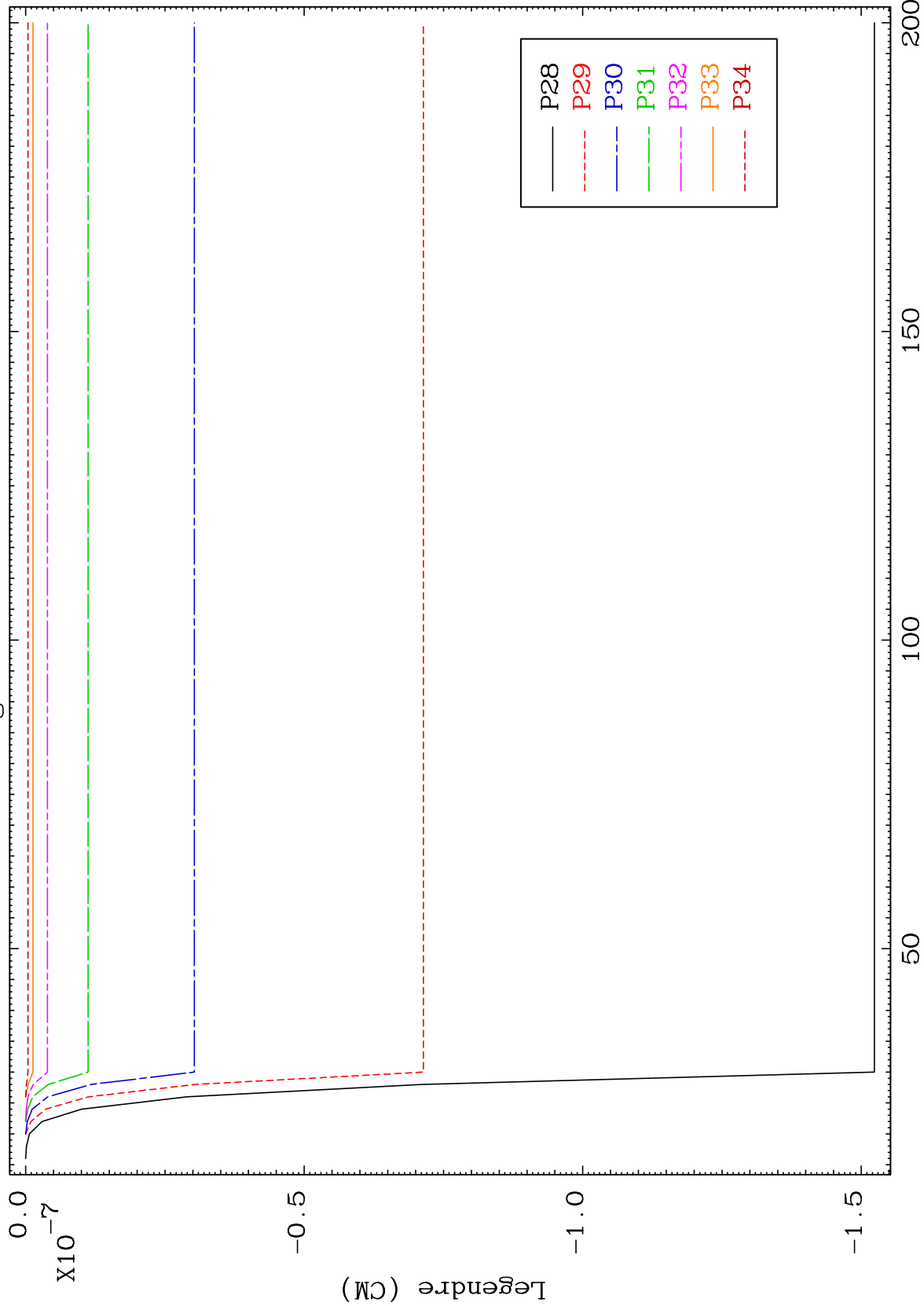
58-Ce-139

MAT 5834

MT= 75 (n,n') Level

58-Ce-139

Legendre Coefficients



113

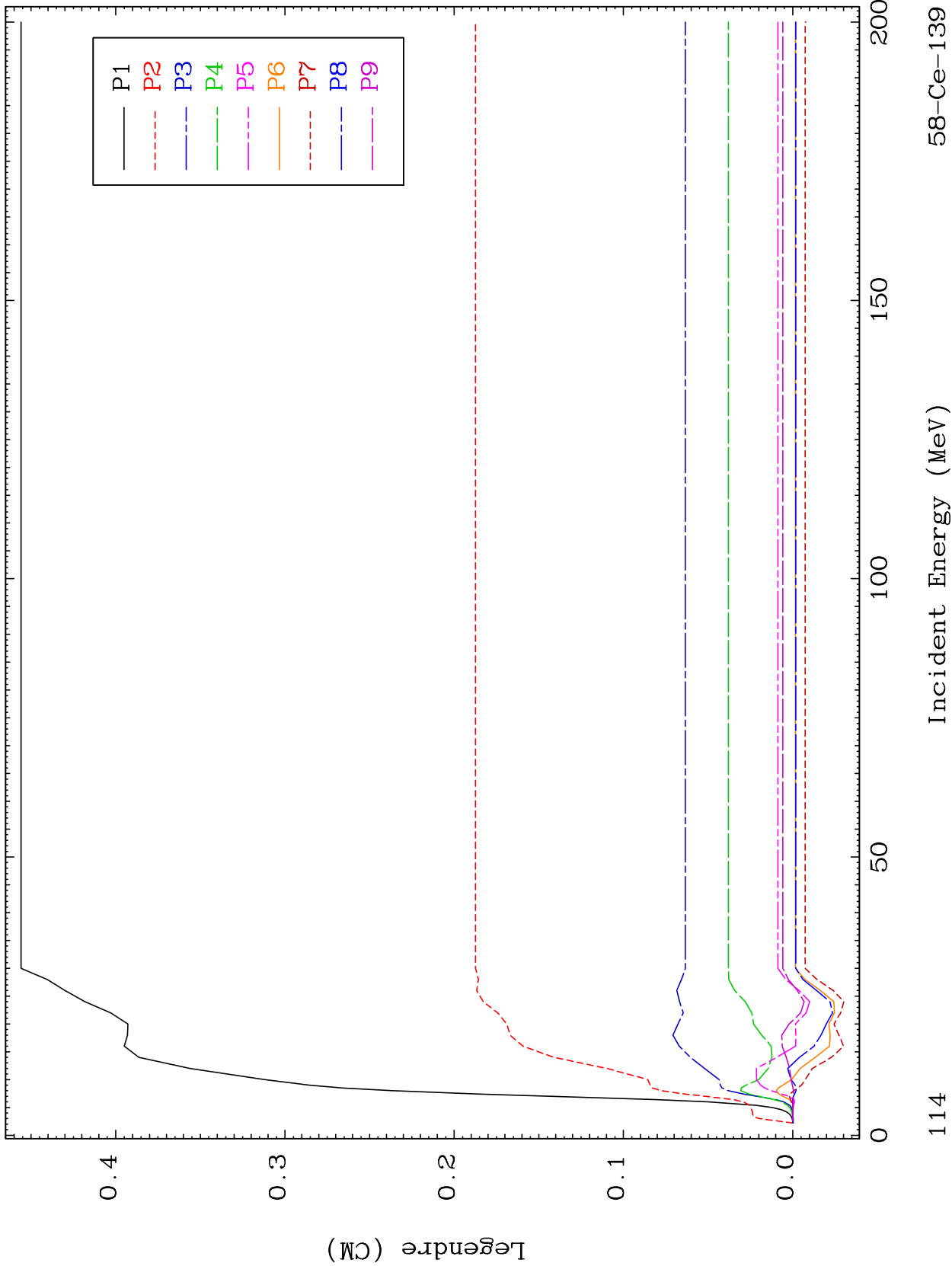
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



114

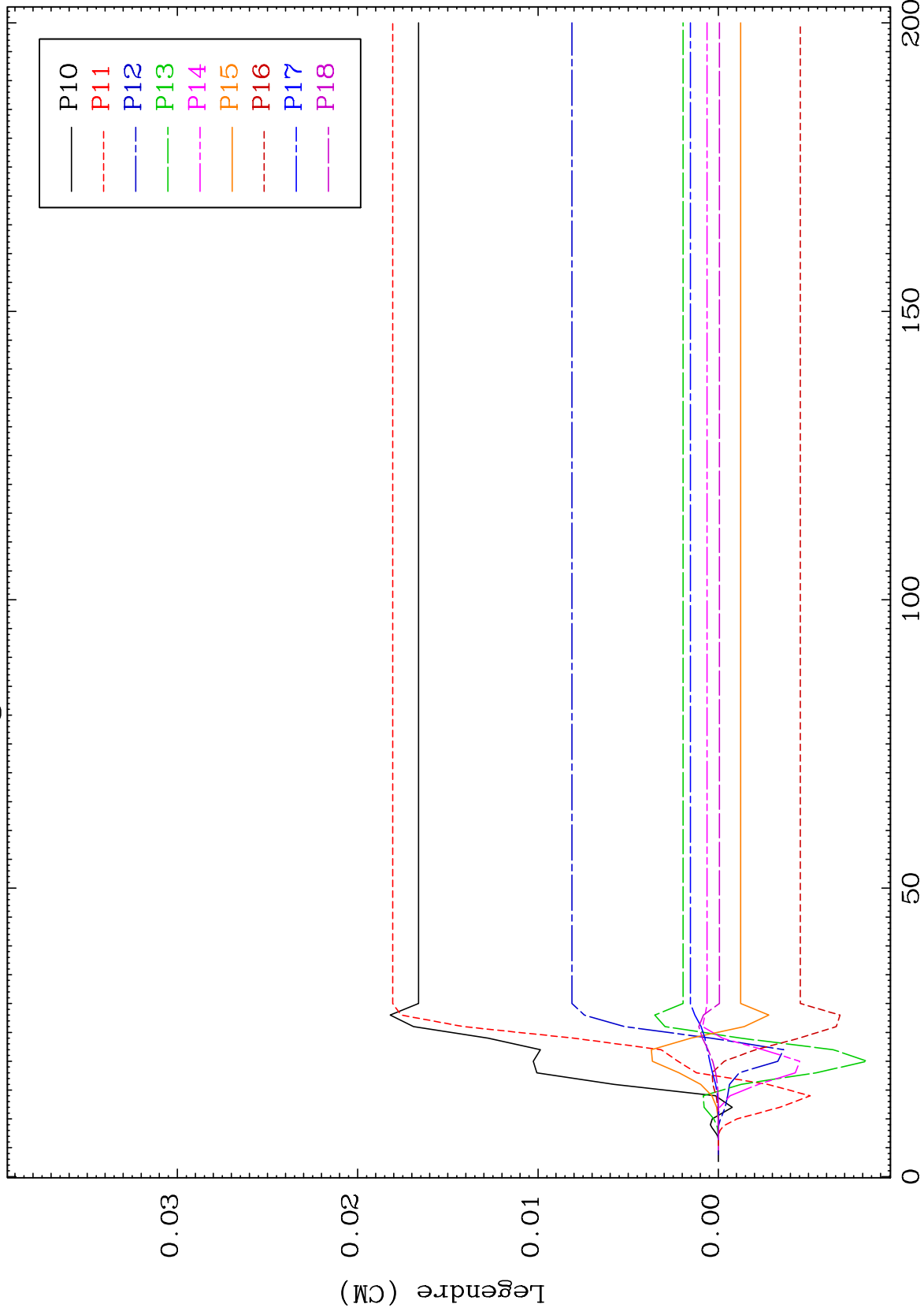
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

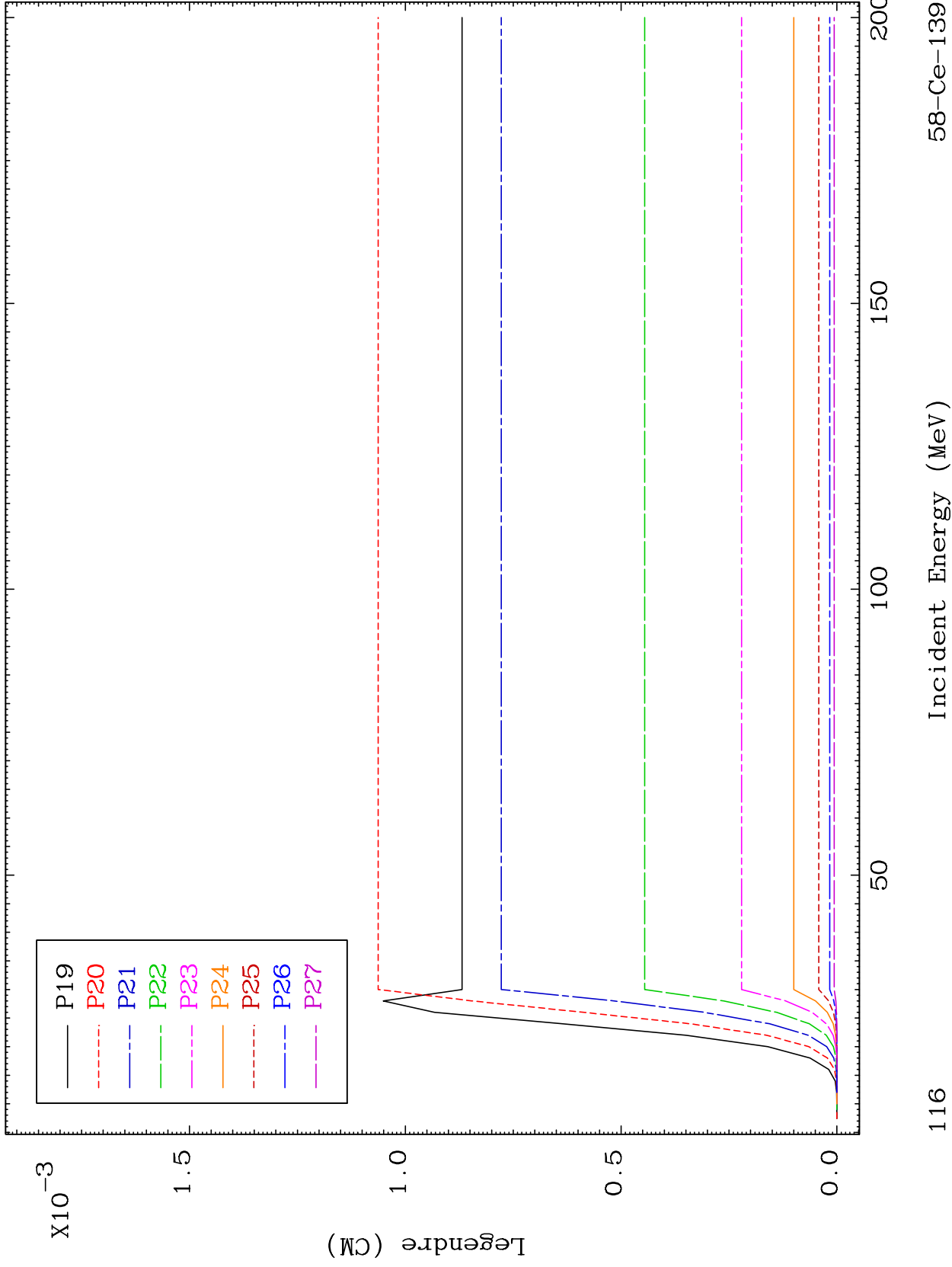
58-Ce-139



58-Ce-139

Incident Energy (MeV)

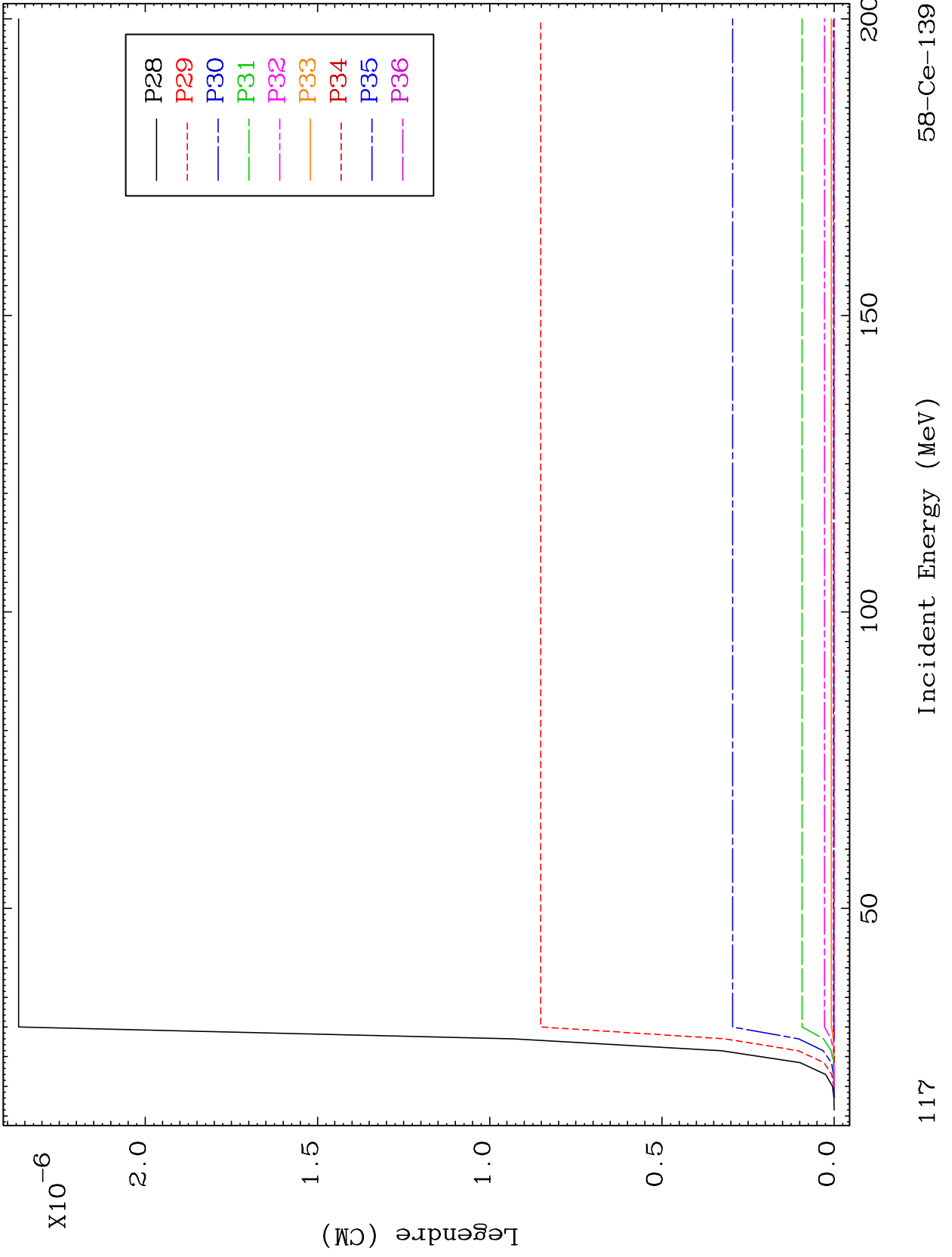
115



MAT 5834

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

58-Ce-139



117

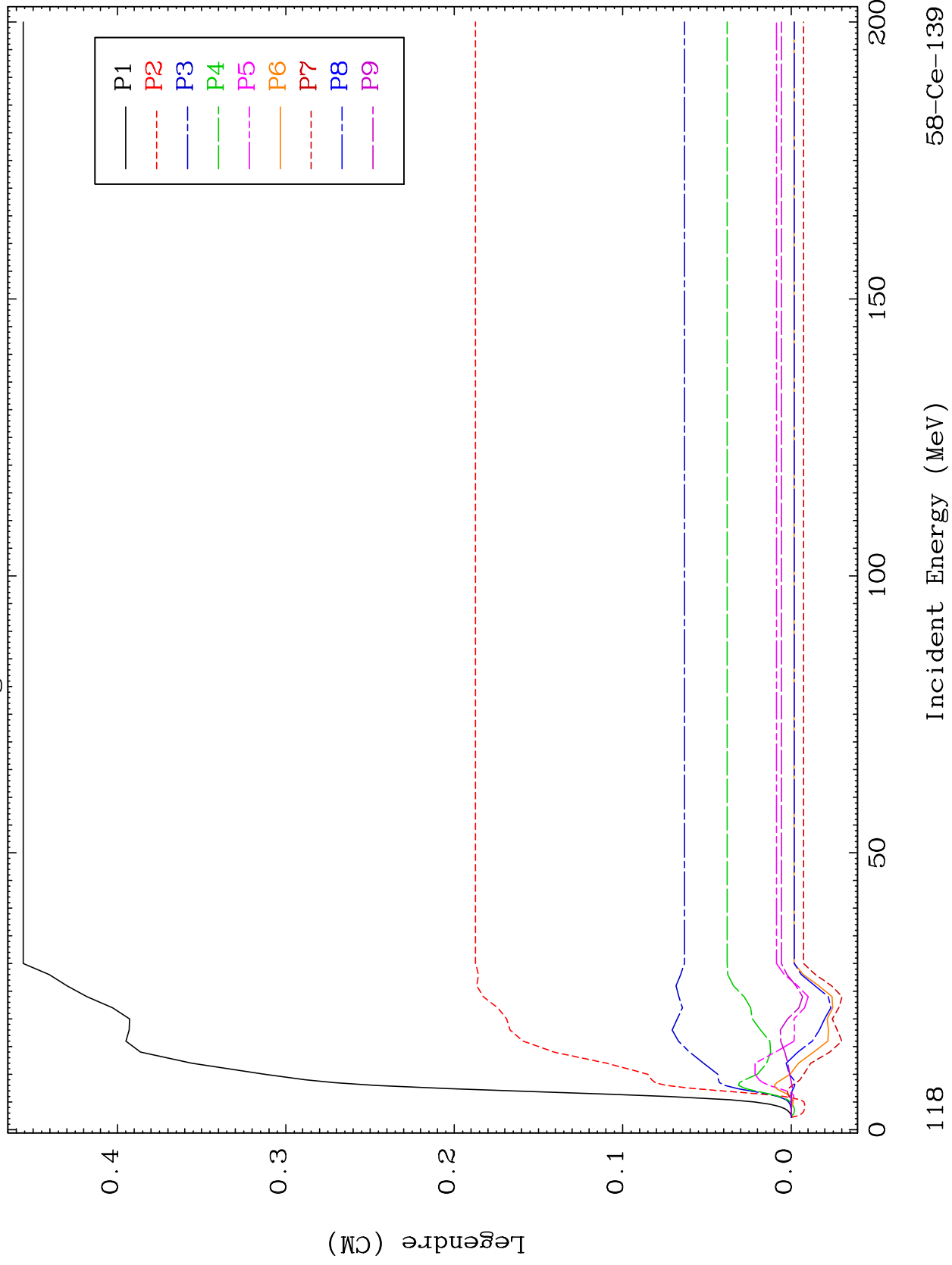
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



118

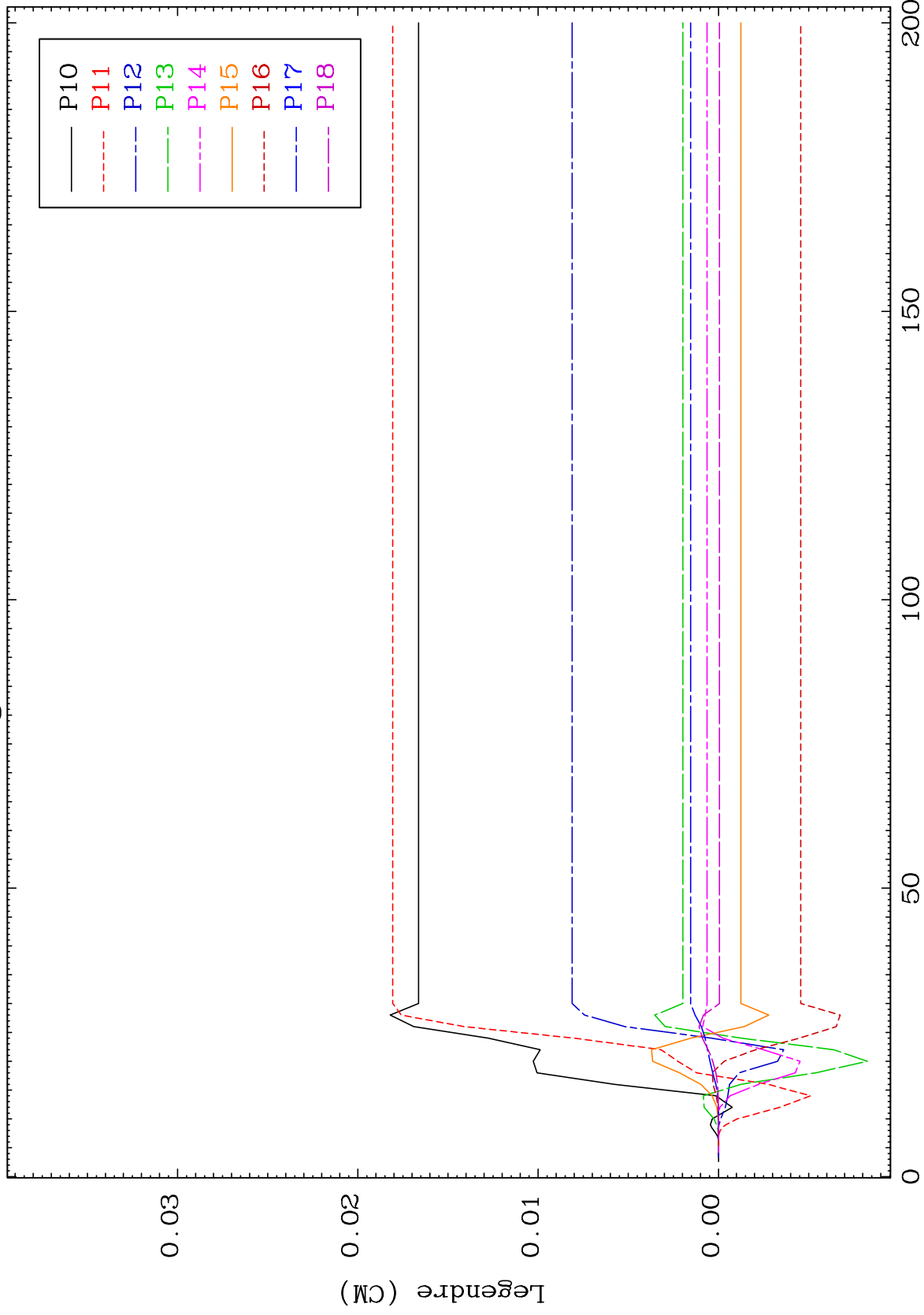
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



119

Incident Energy (MeV)

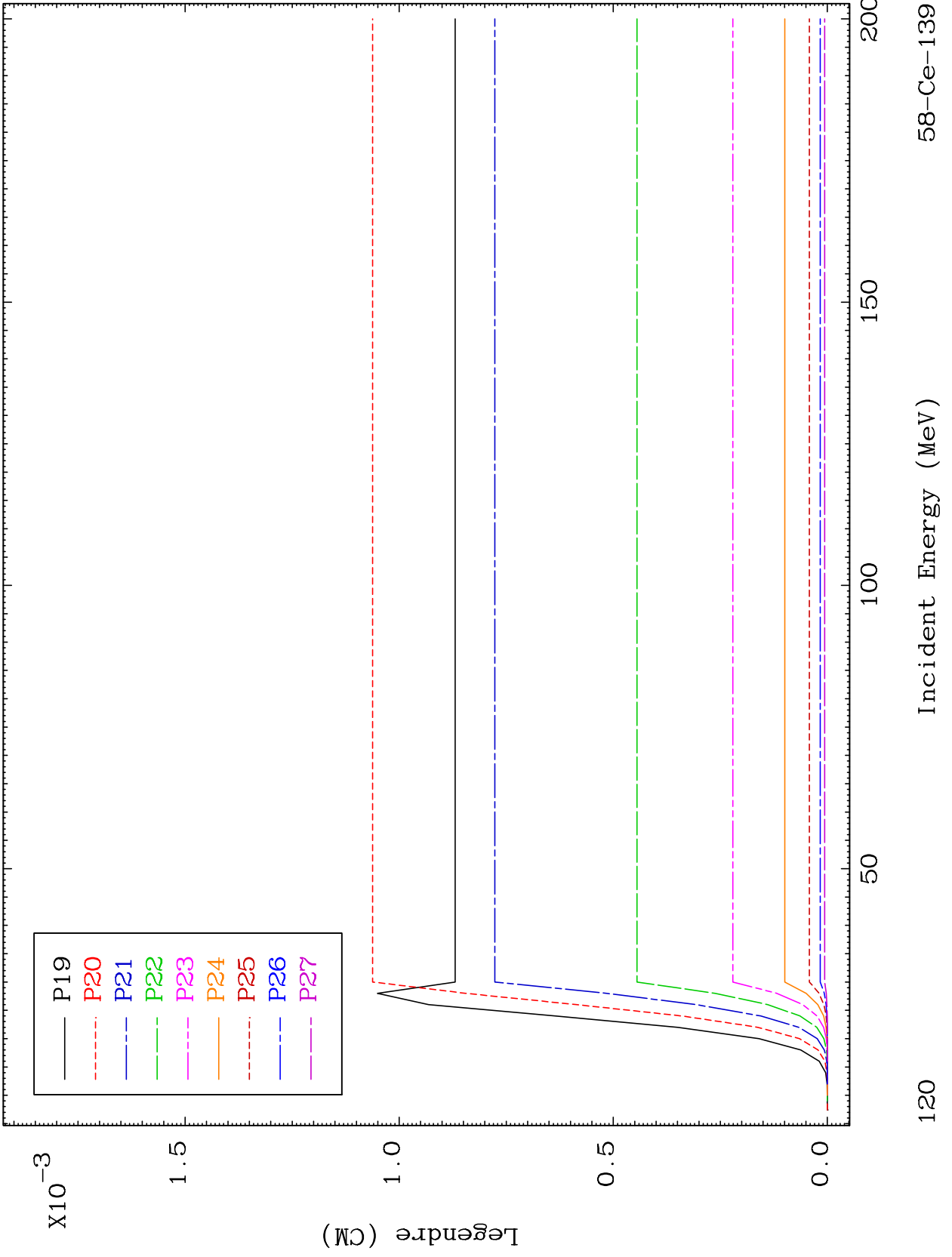
58-Ce-139



MAT 5834

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

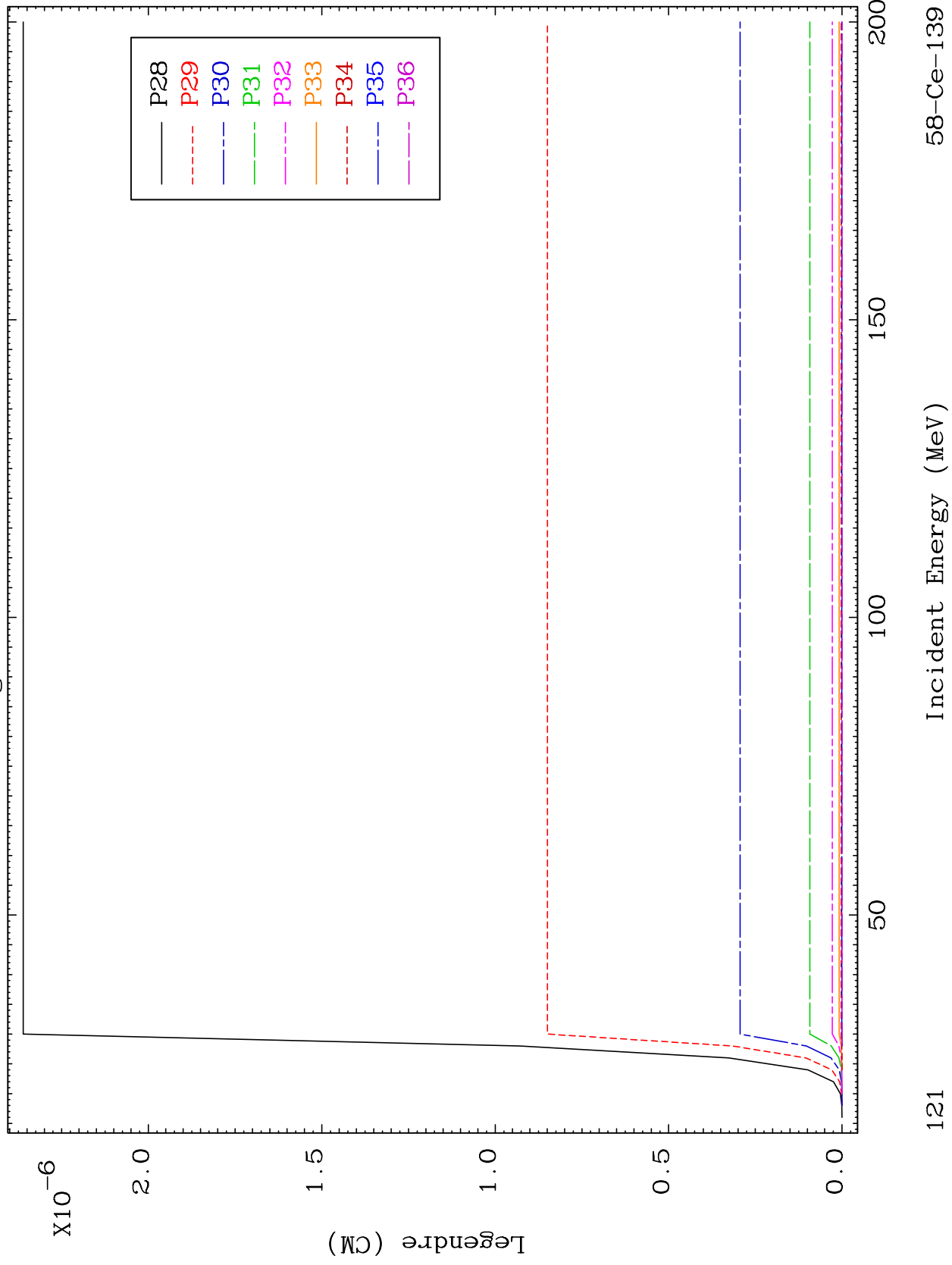
58-Ce-139



MAT 5834

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

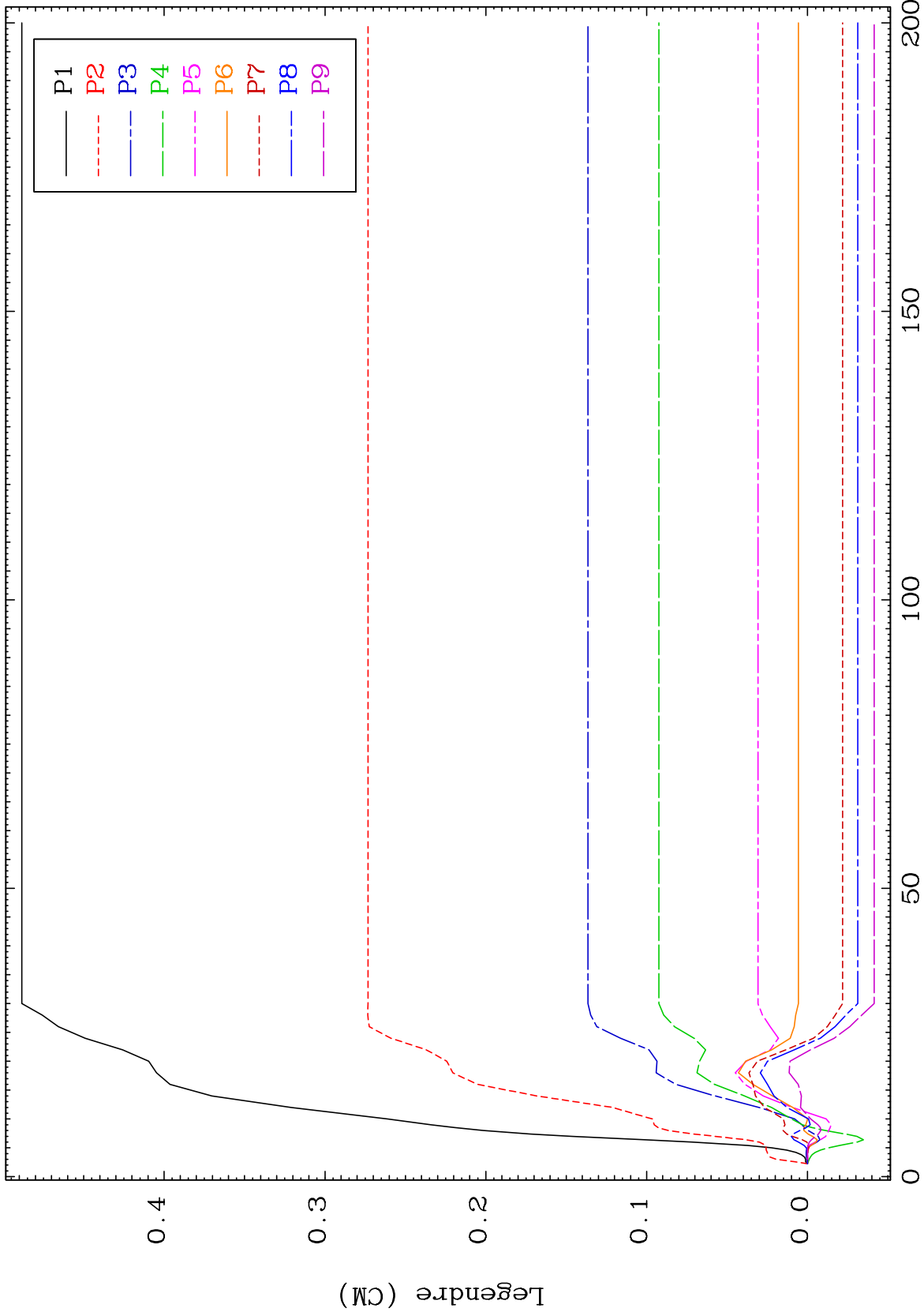
58-Ce-139



MAT 5834

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

58-Ce-139



122

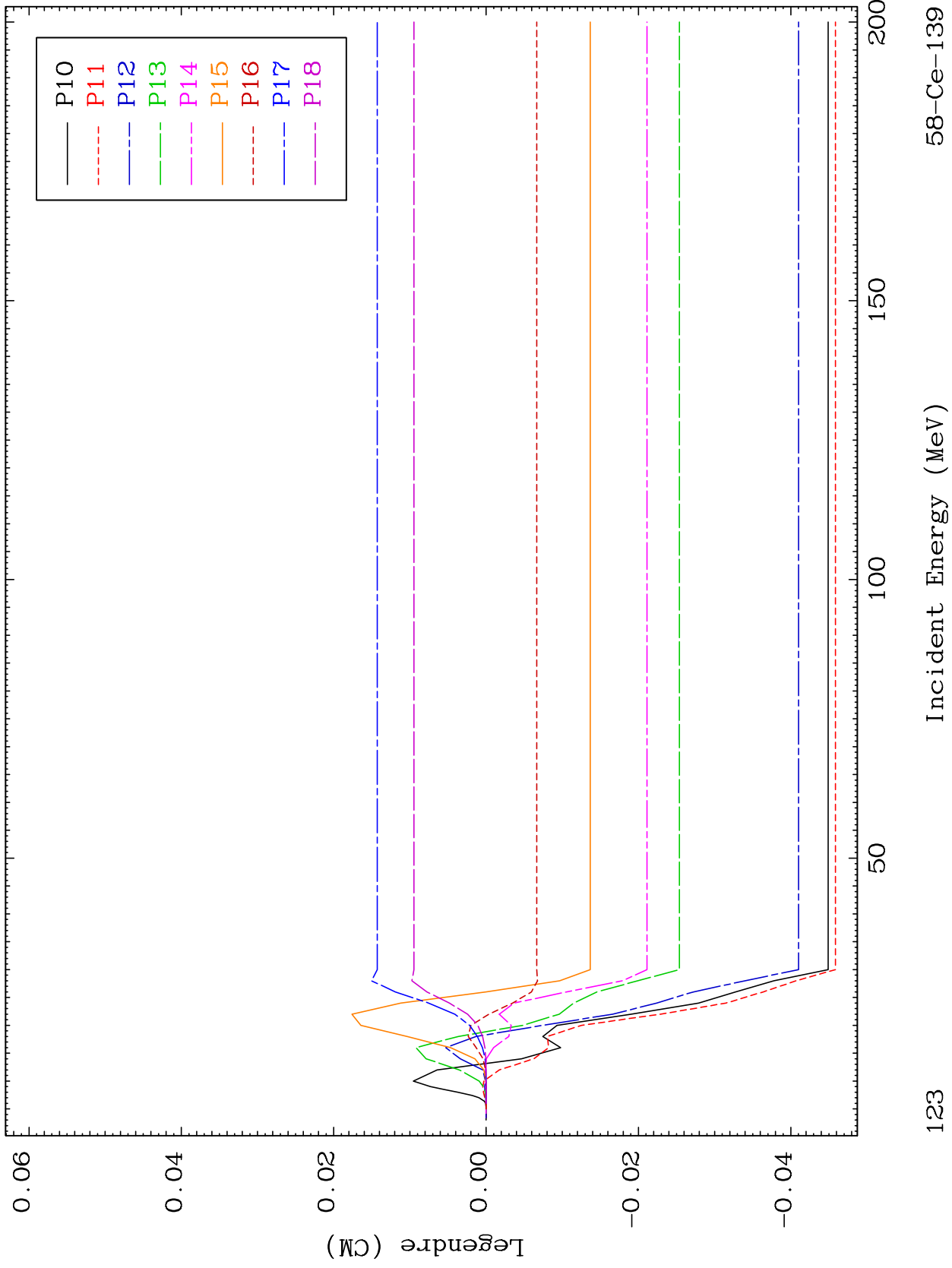
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



123

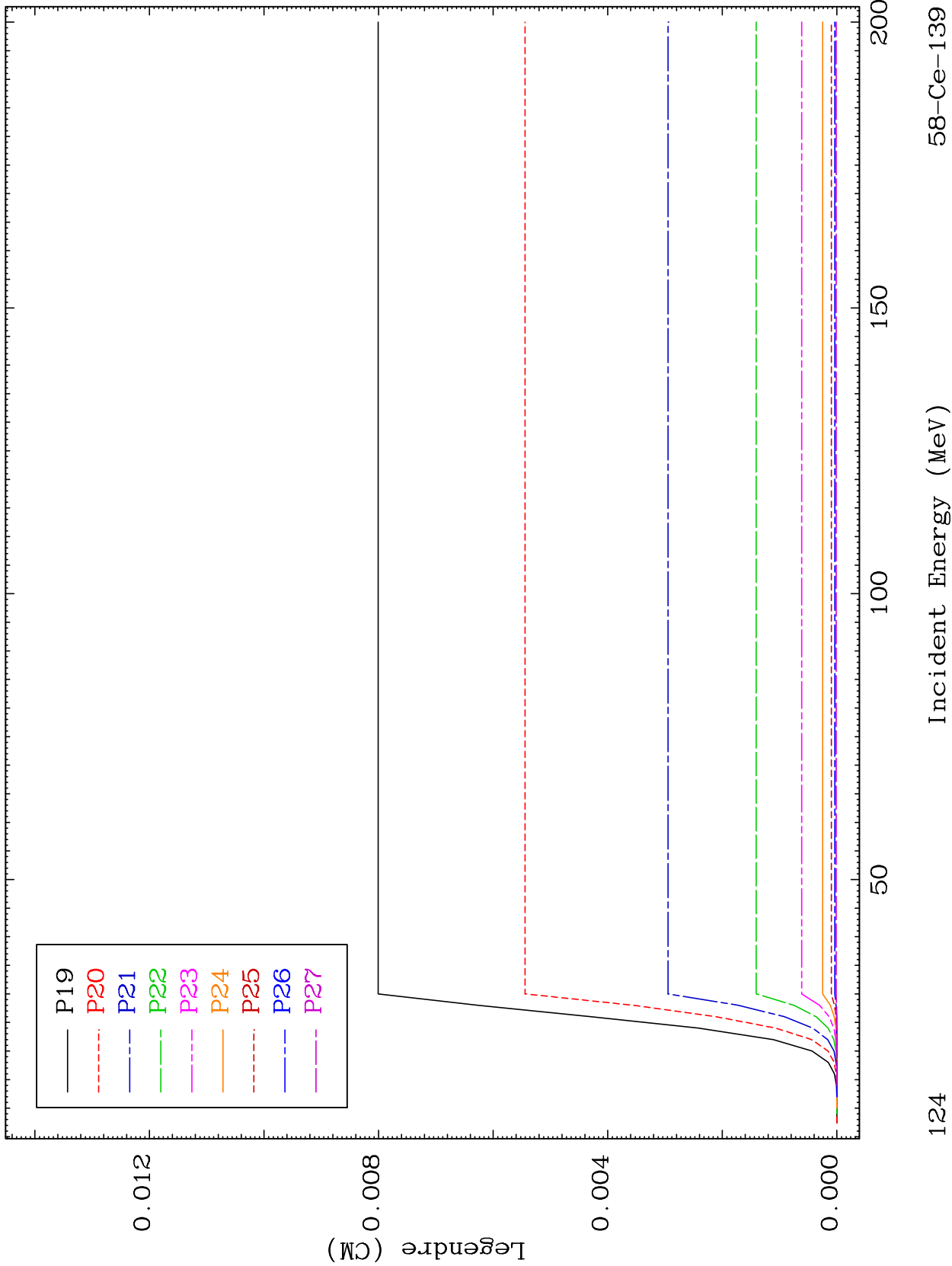
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



124

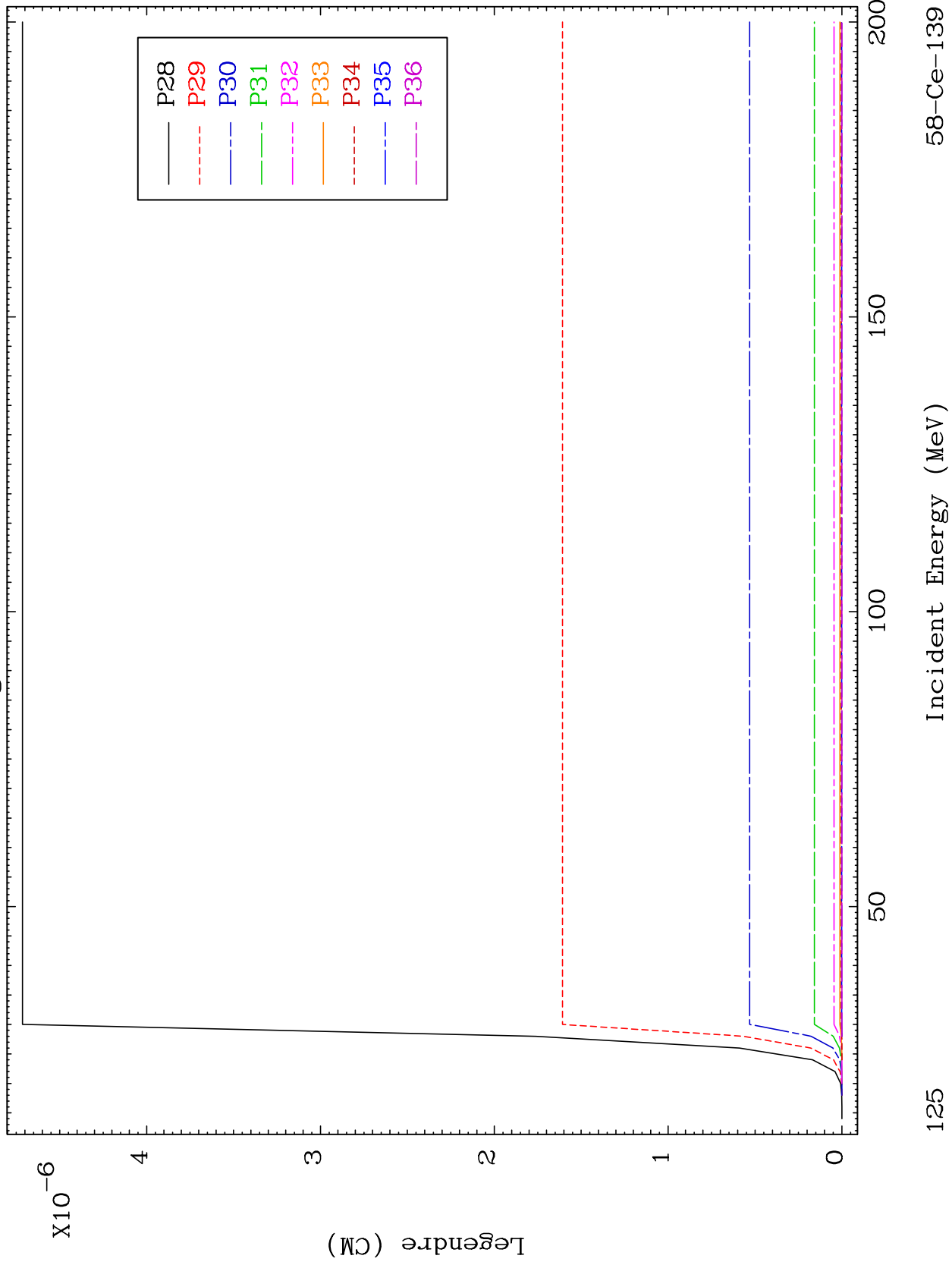
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

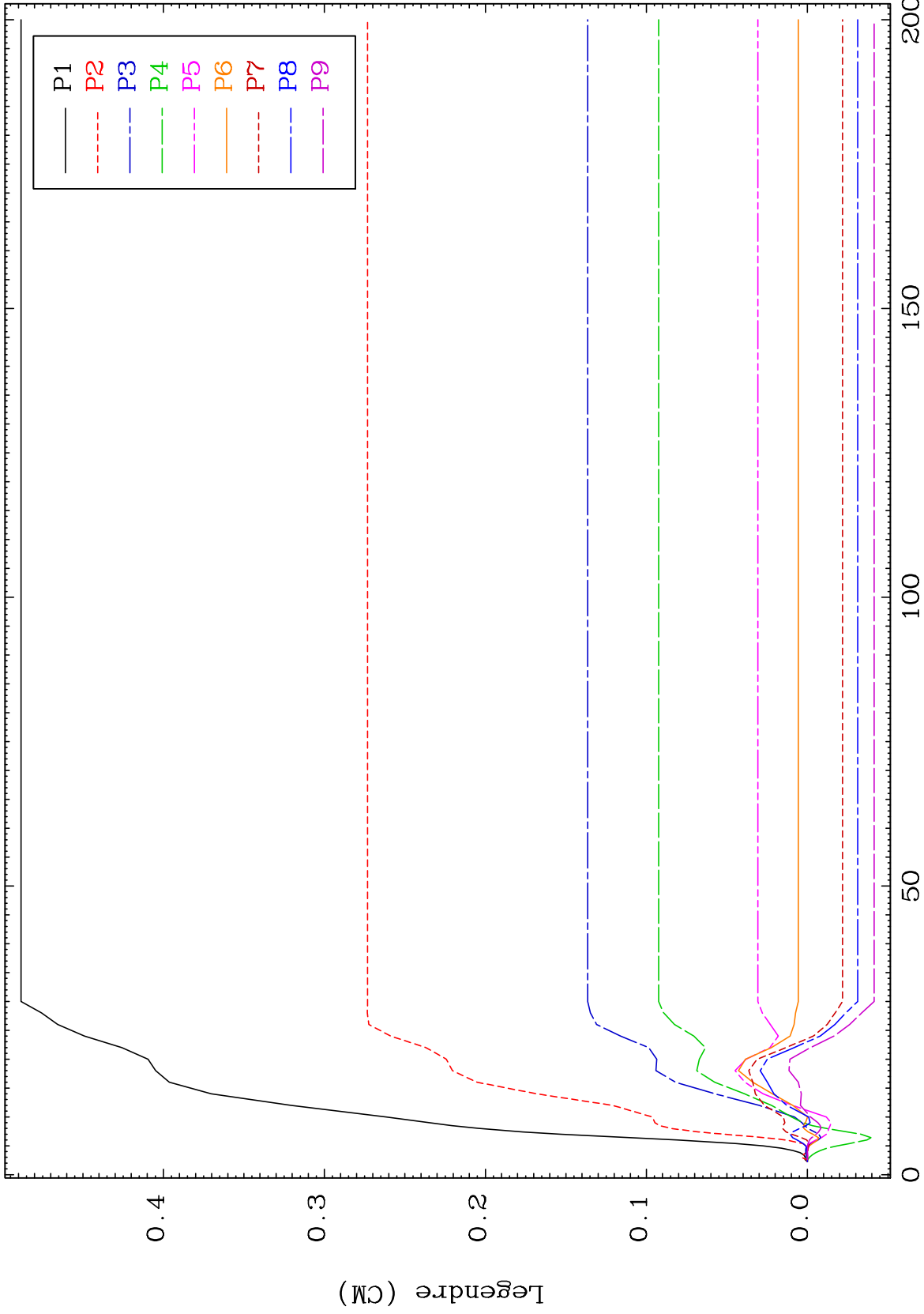
58-Ce-139



MAT 5834

MT= 79 (n,n') Level  
Legendre Coefficients

58-Ce-139



58-Ce-139

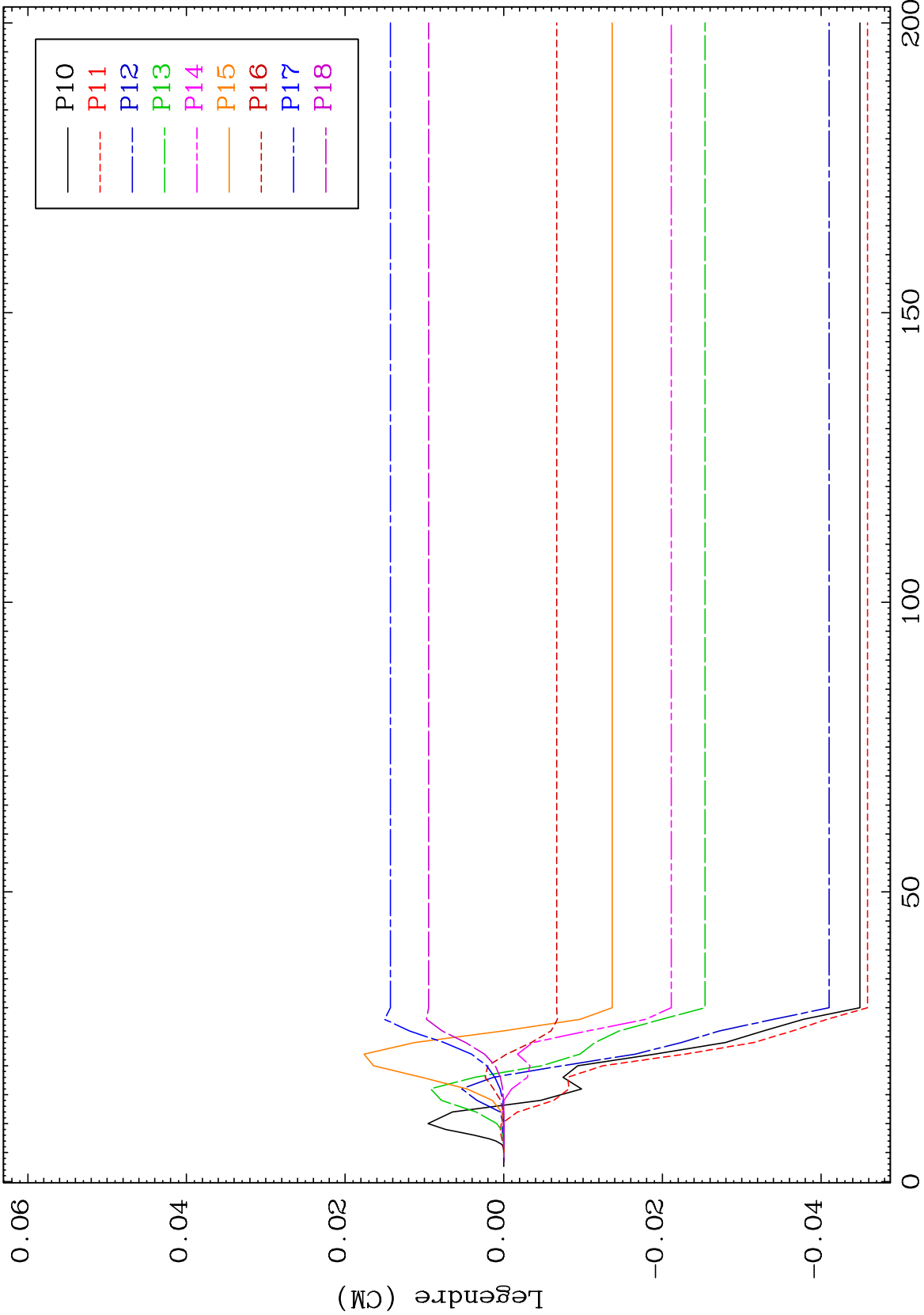
Incident Energy (MeV)

126

MAT 5834

MT= 79 (n,n') Level  
Legendre Coefficients

58-Ce-139



127

Incident Energy (MeV)

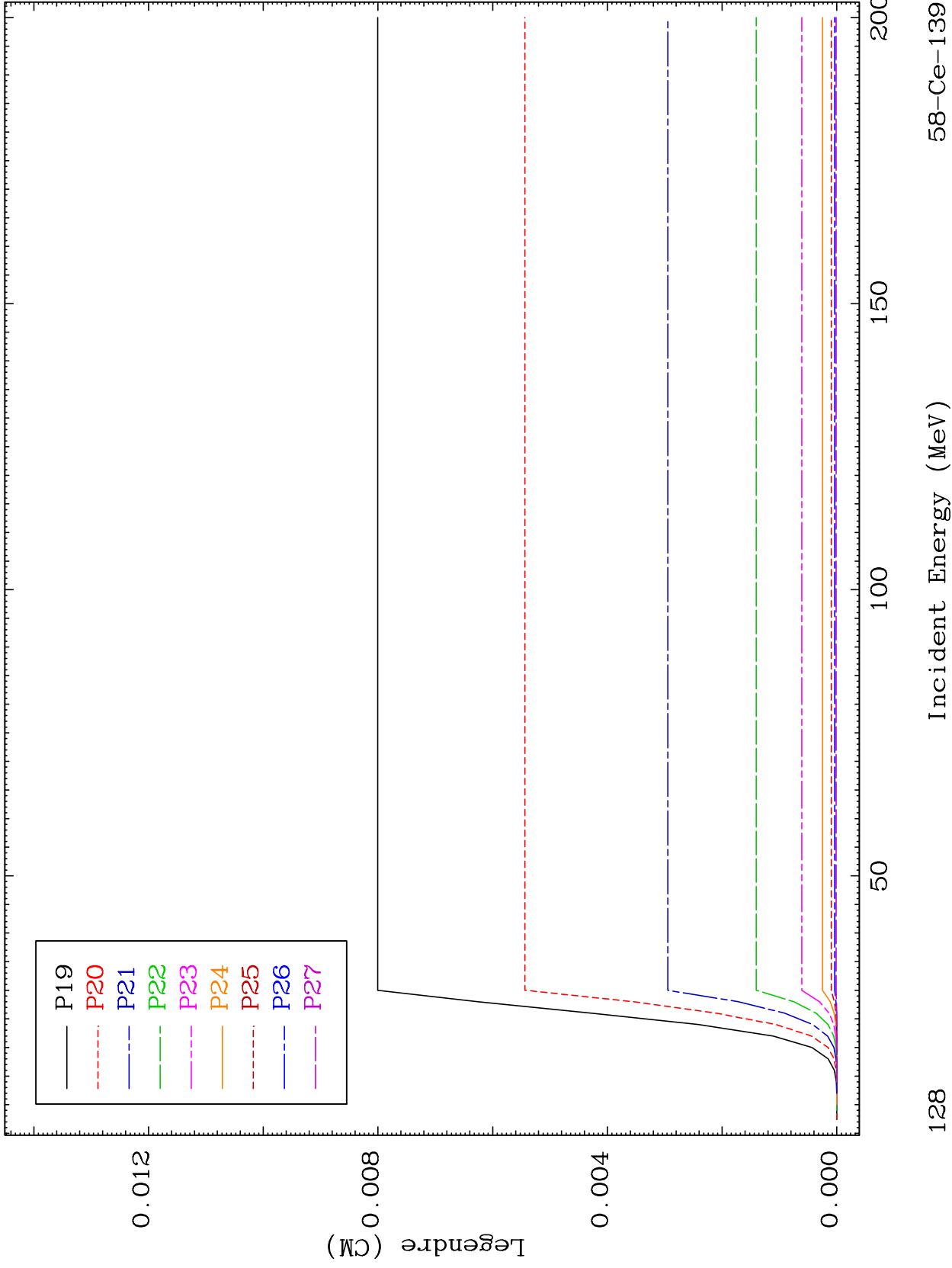
58-Ce-139



MAT 5834

MT= 79 (n,n') Level  
Legendre Coefficients

58-Ce-139



128

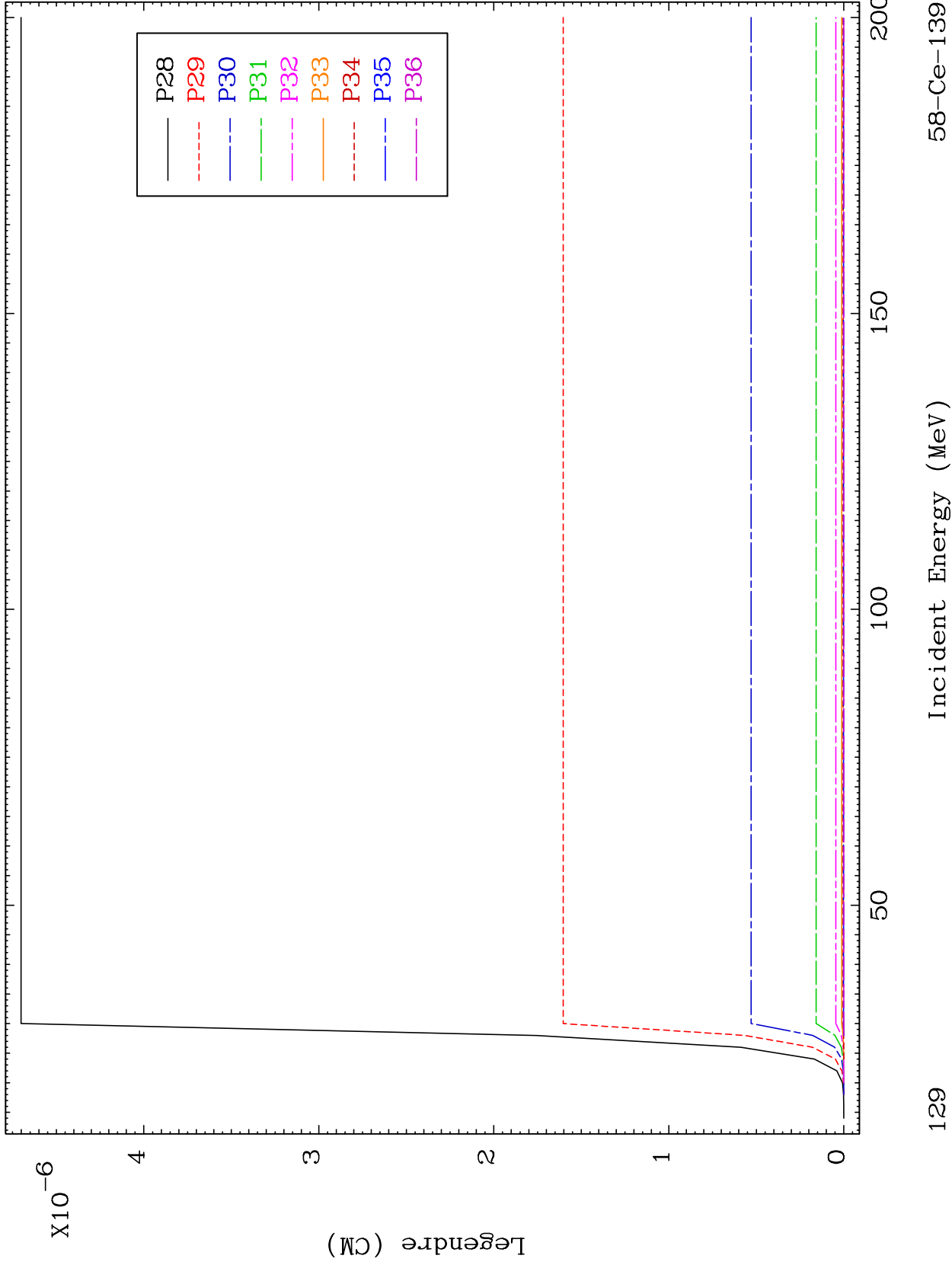
Incident Energy (MeV)

58-Ce-139

MAT 5834

MT= 79 (n,n') Level  
Legendre Coefficients

58-Ce-139

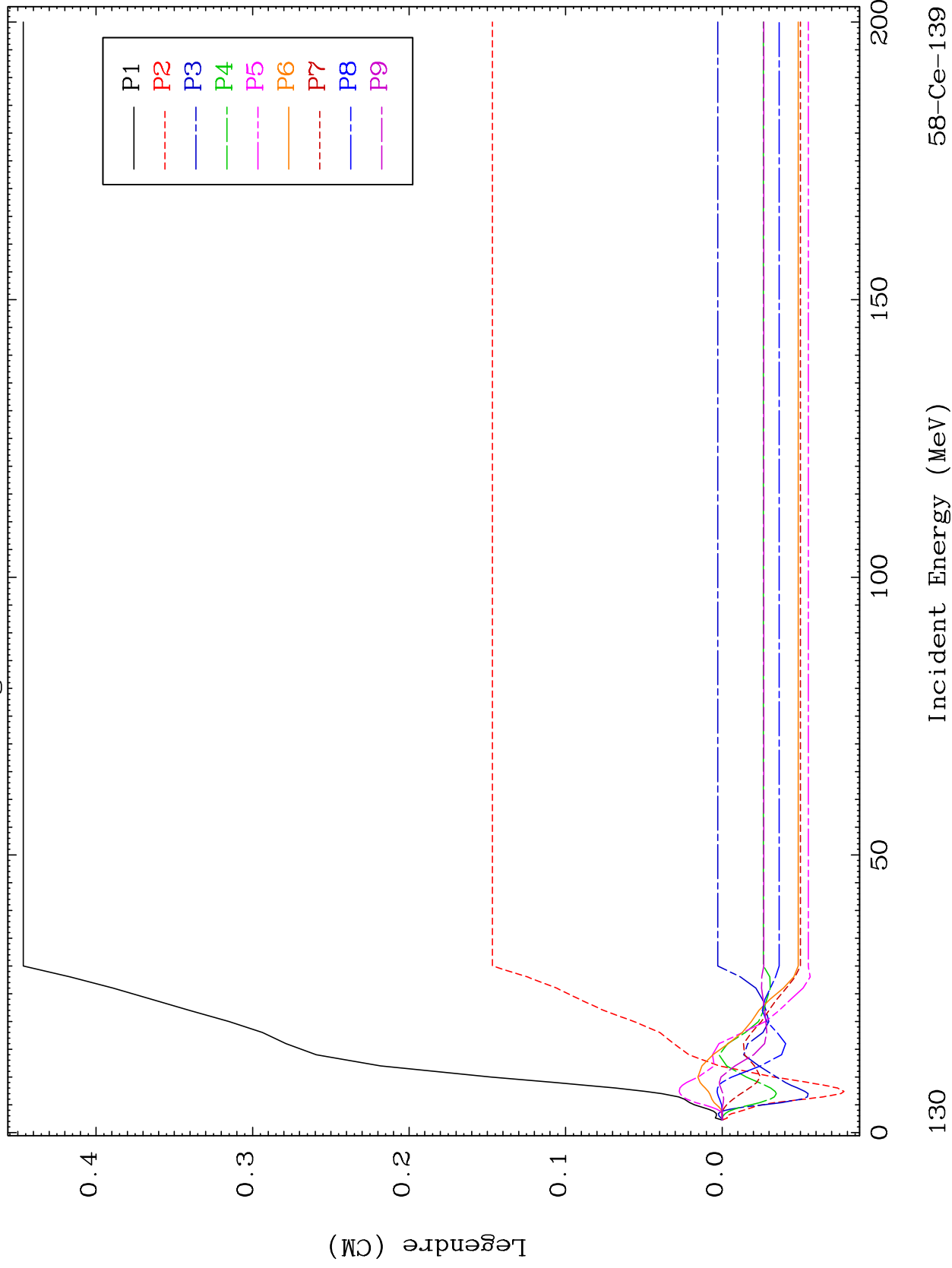


129

MAT 5834

MT= 80 (n,n') Level  
Legendre Coefficients

58-Ce-139



58-Ce-139

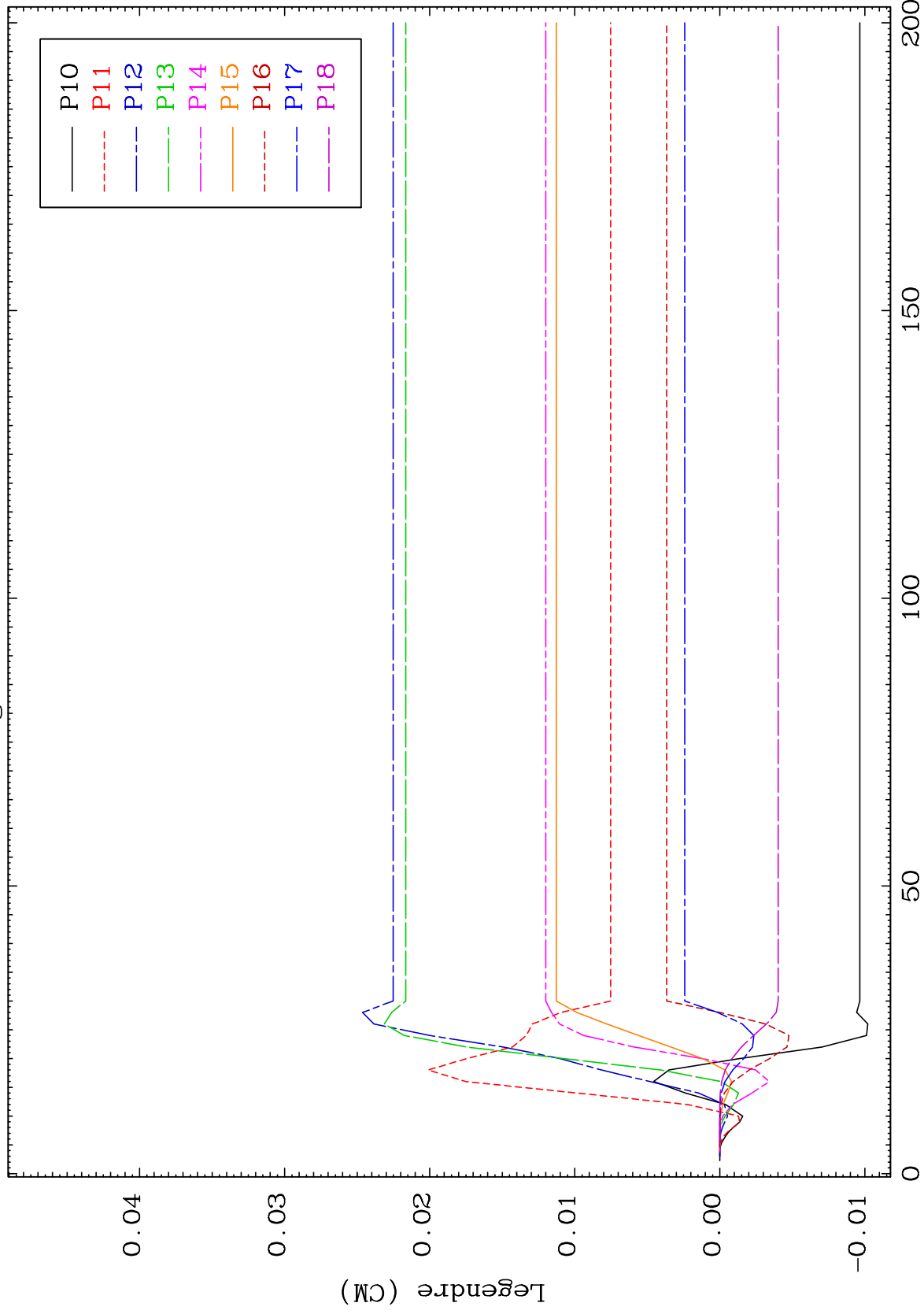
Incident Energy (MeV)

Legendre (CM)

MAT 5834

MT= 80 (n,n') Level  
Legendre Coefficients

58-Ce-139



131

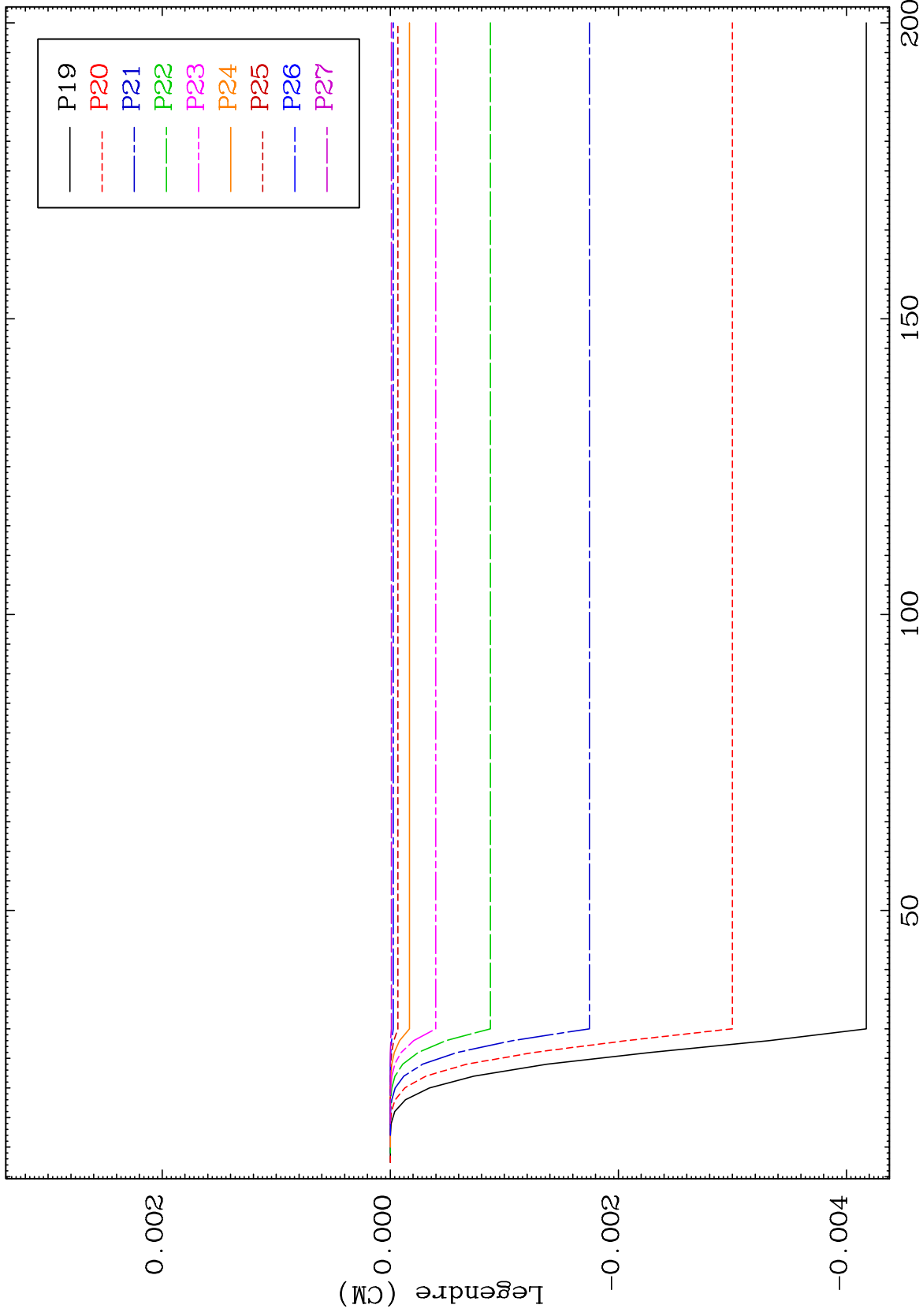
Incident Energy (MeV)

58-Ce-139

MAT 5834

MT= 80 (n,n') Level  
Legendre Coefficients

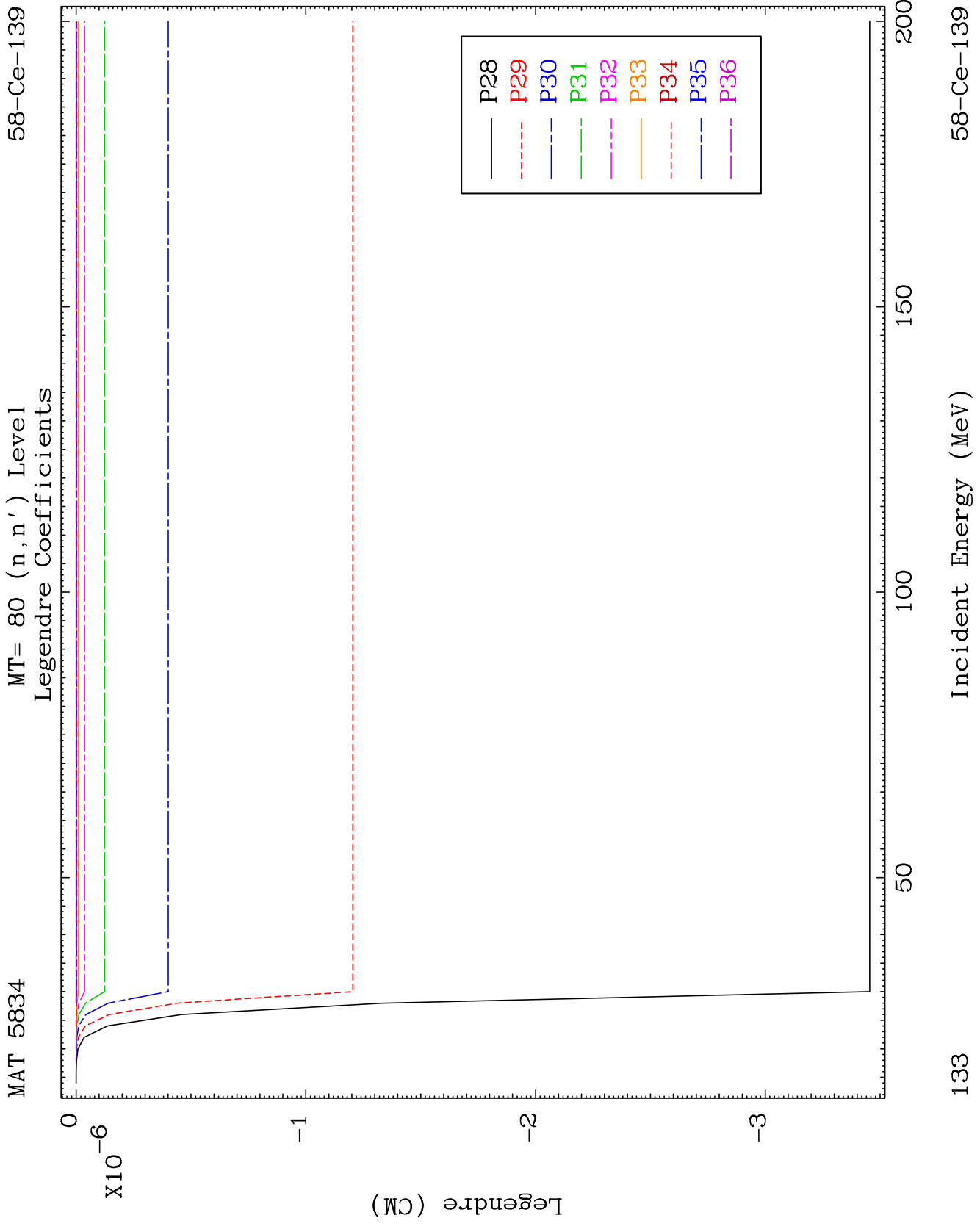
58-Ce-139



132

Incident Energy (MeV)

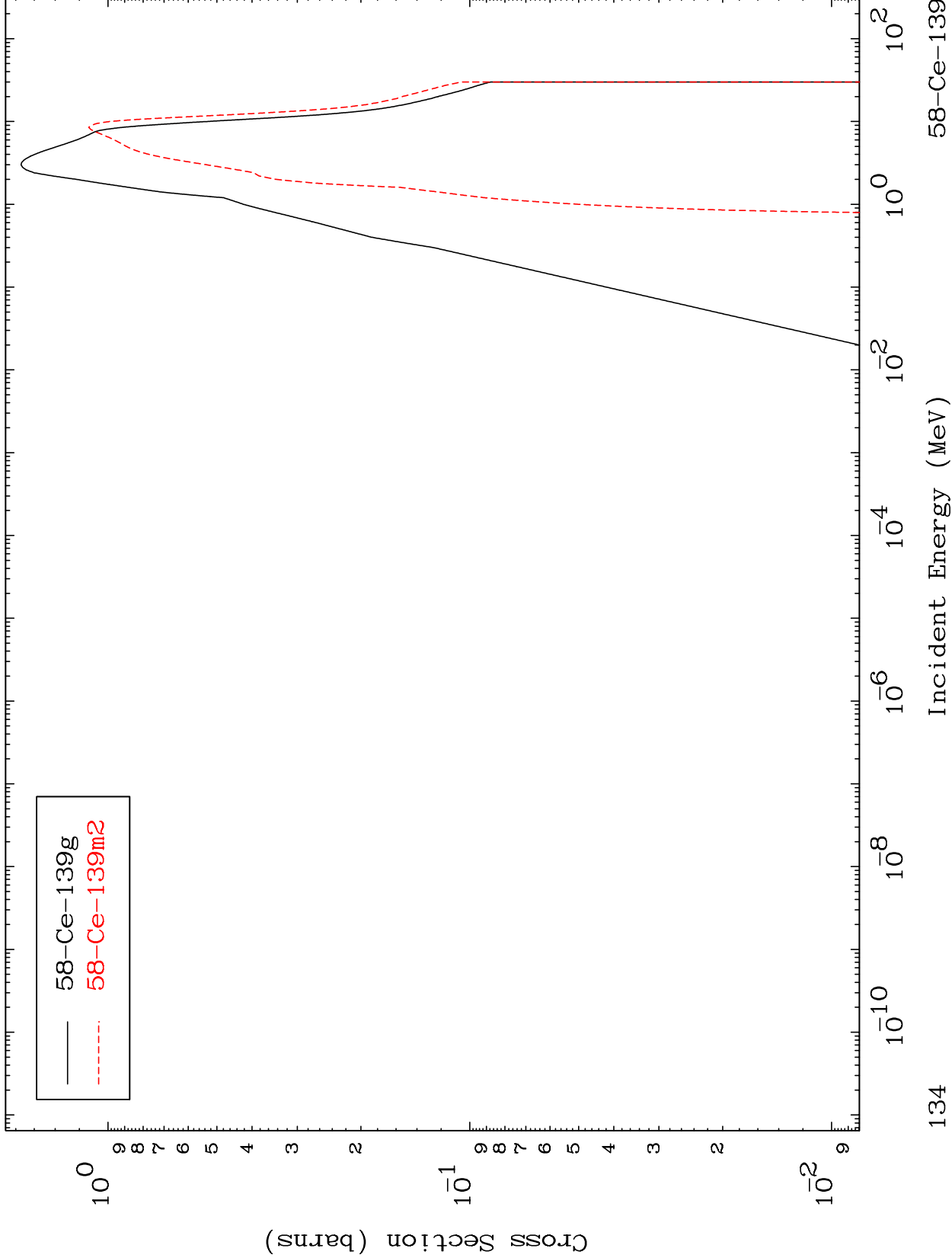
58-Ce-139



MAT 5834

Inelastic  
Radionuclide Production Cross Section

58-Ce-139



134

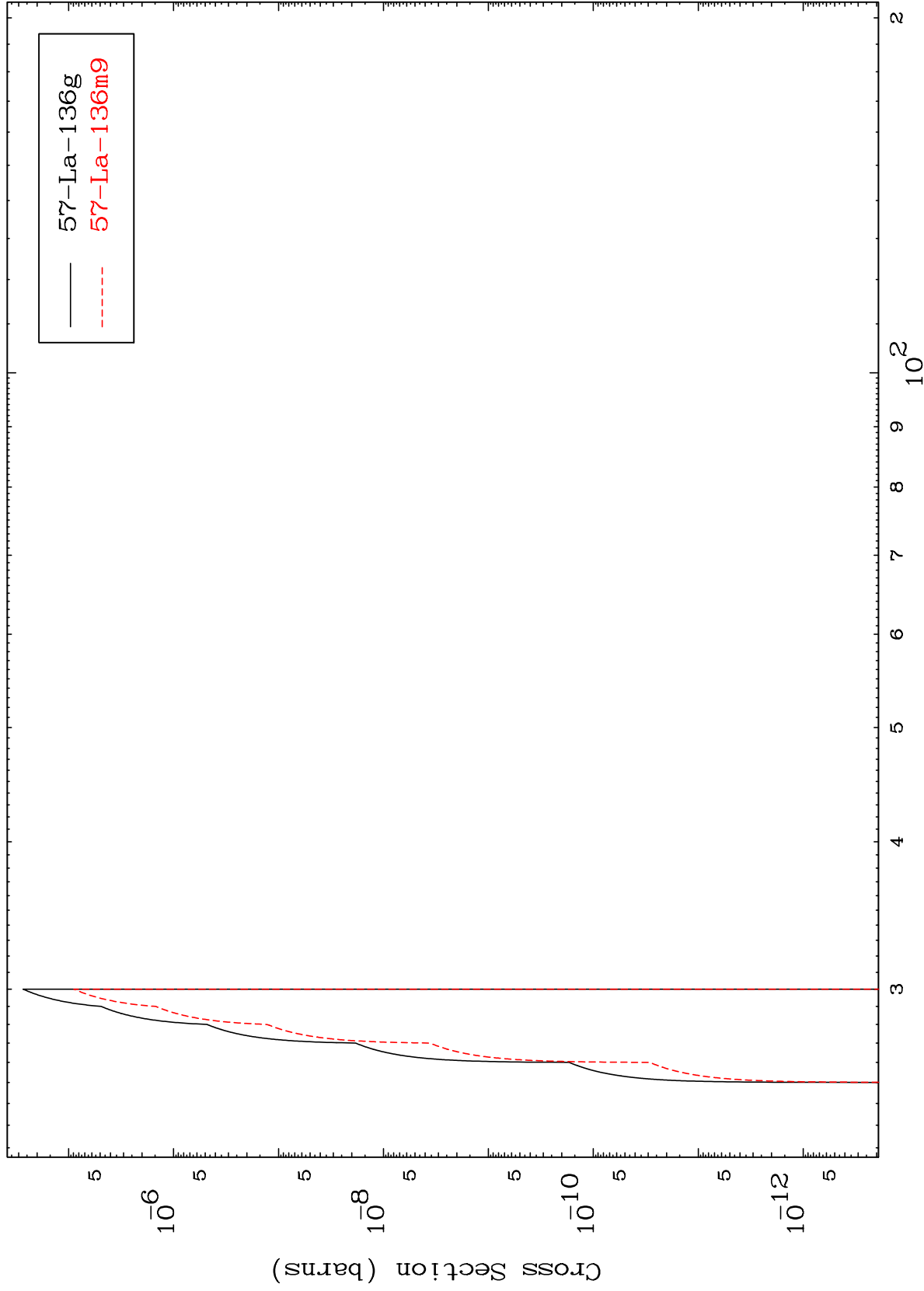
58-Ce-139

MAT 5834

(n,2n) d

58-Ce-139

Radionuclide Production Cross Section



135

Incident Energy (MeV)

58-Ce-139

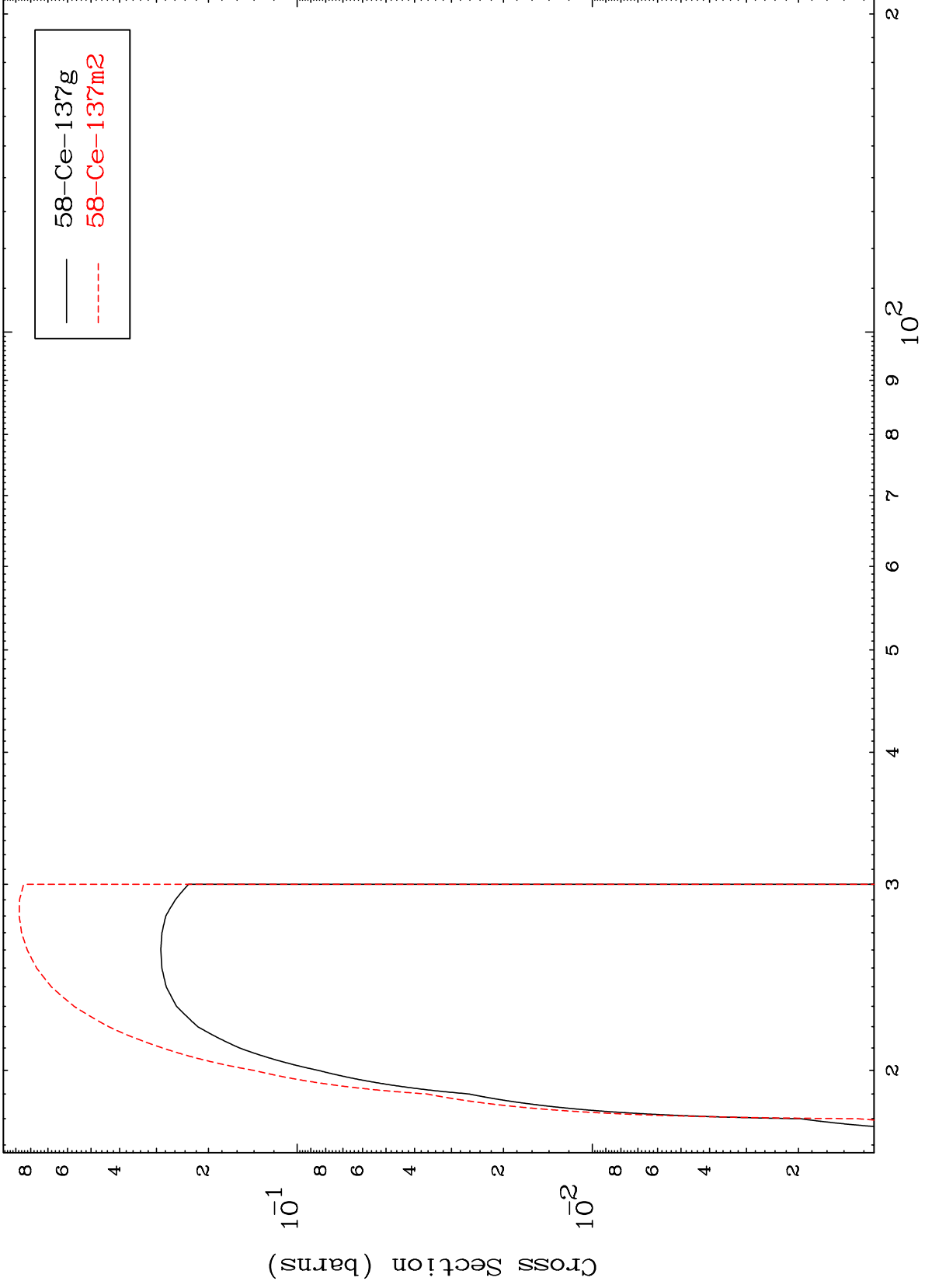


MAT 5834

(n,3n)

58-Ce-139

Radionuclide Production Cross Section



136

Incident Energy (MeV)

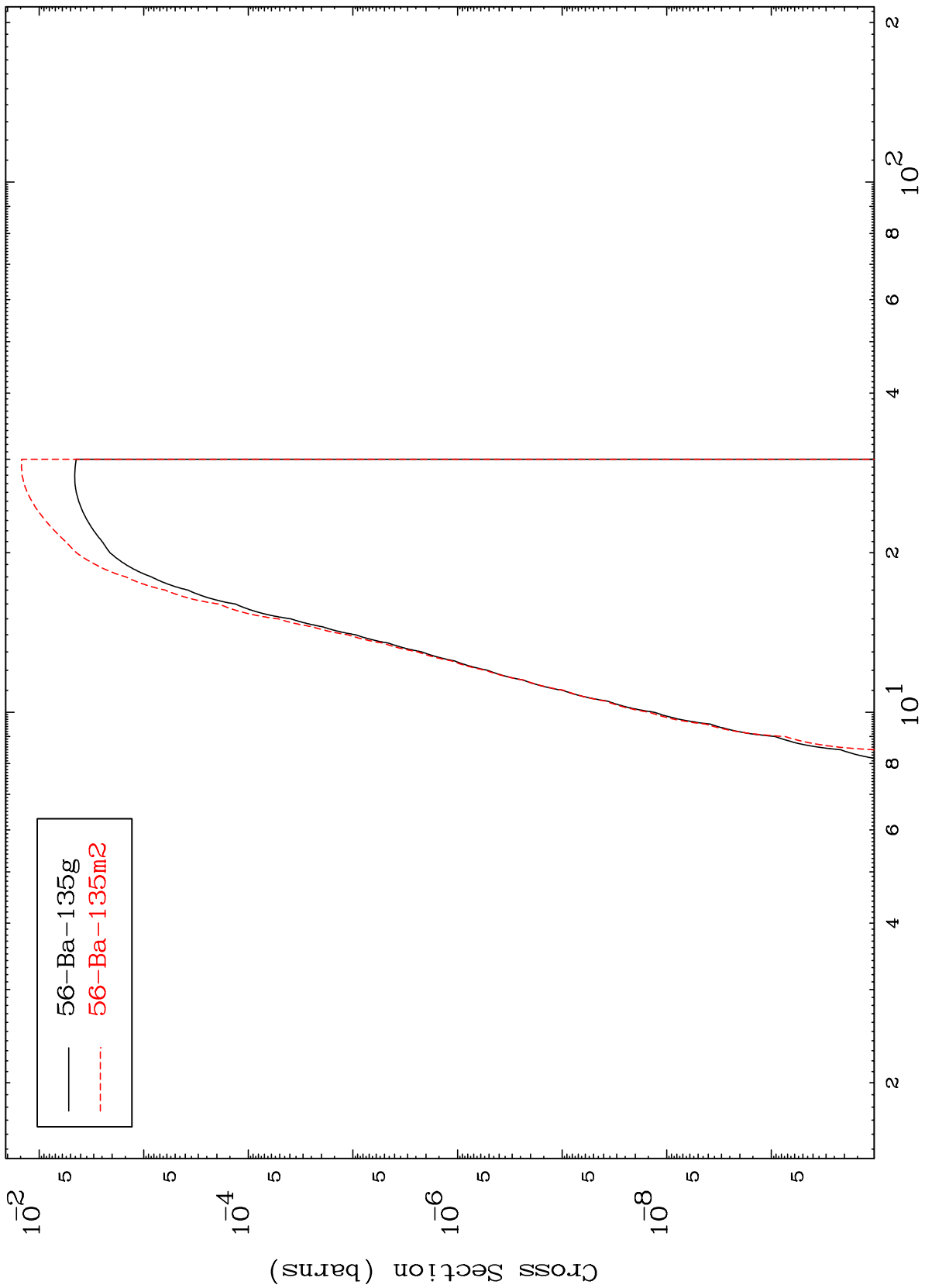
58-Ce-139

MAT 5834

(n,n')  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



137

Incident Energy (MeV)

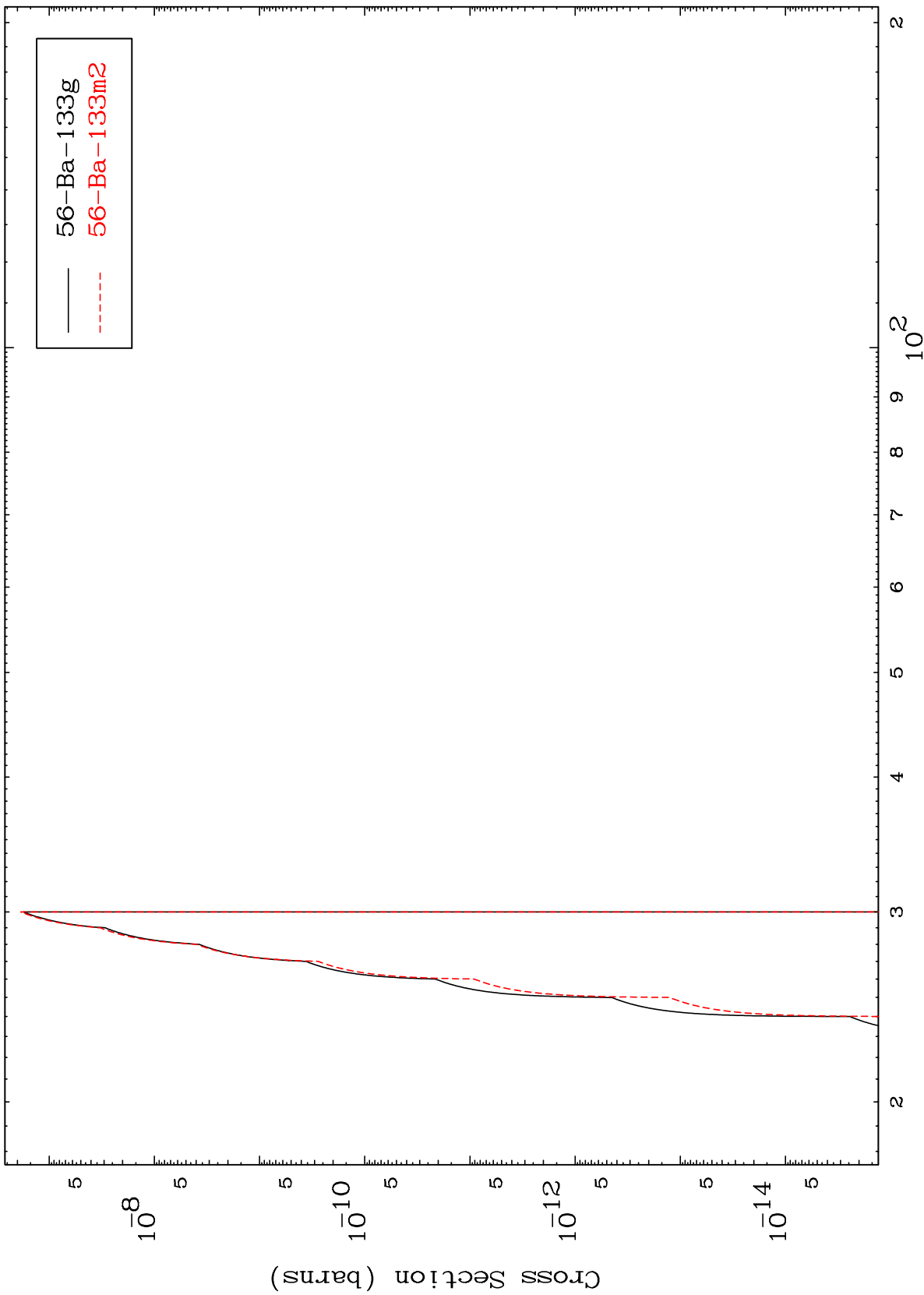
58-Ce-139

MAT 5834

(n,3n)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



138

Incident Energy (MeV)

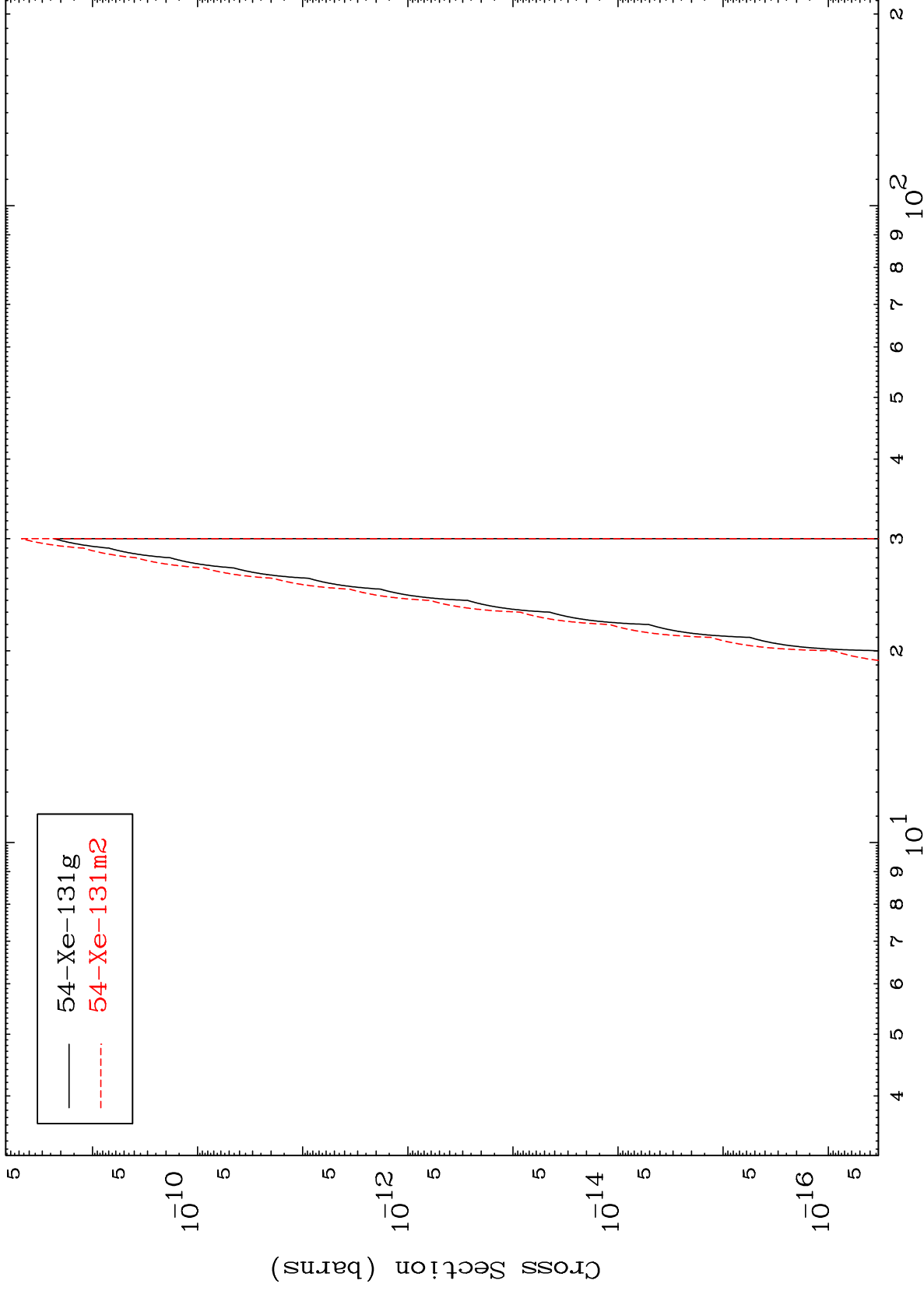
58-Ce-139

MAT 5834

(n,n') 2α

58-Ce-139

Radionuclide Production Cross Section



139

Incident Energy (MeV)

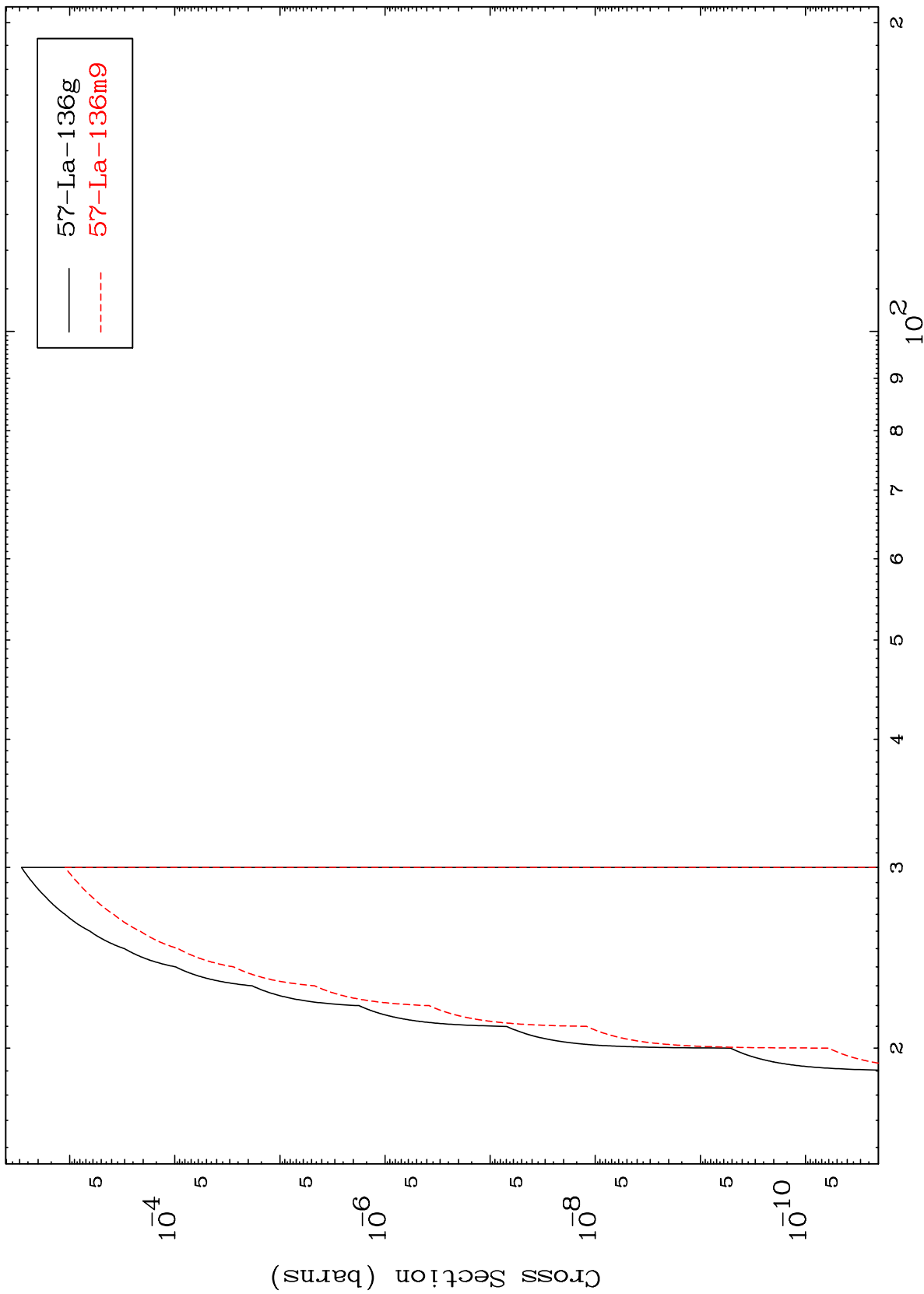
58-Ce-139

MAT 5834

(n,n') t

58-Ce-139

Radionuclide Production Cross Section



140

Incident Energy (MeV)

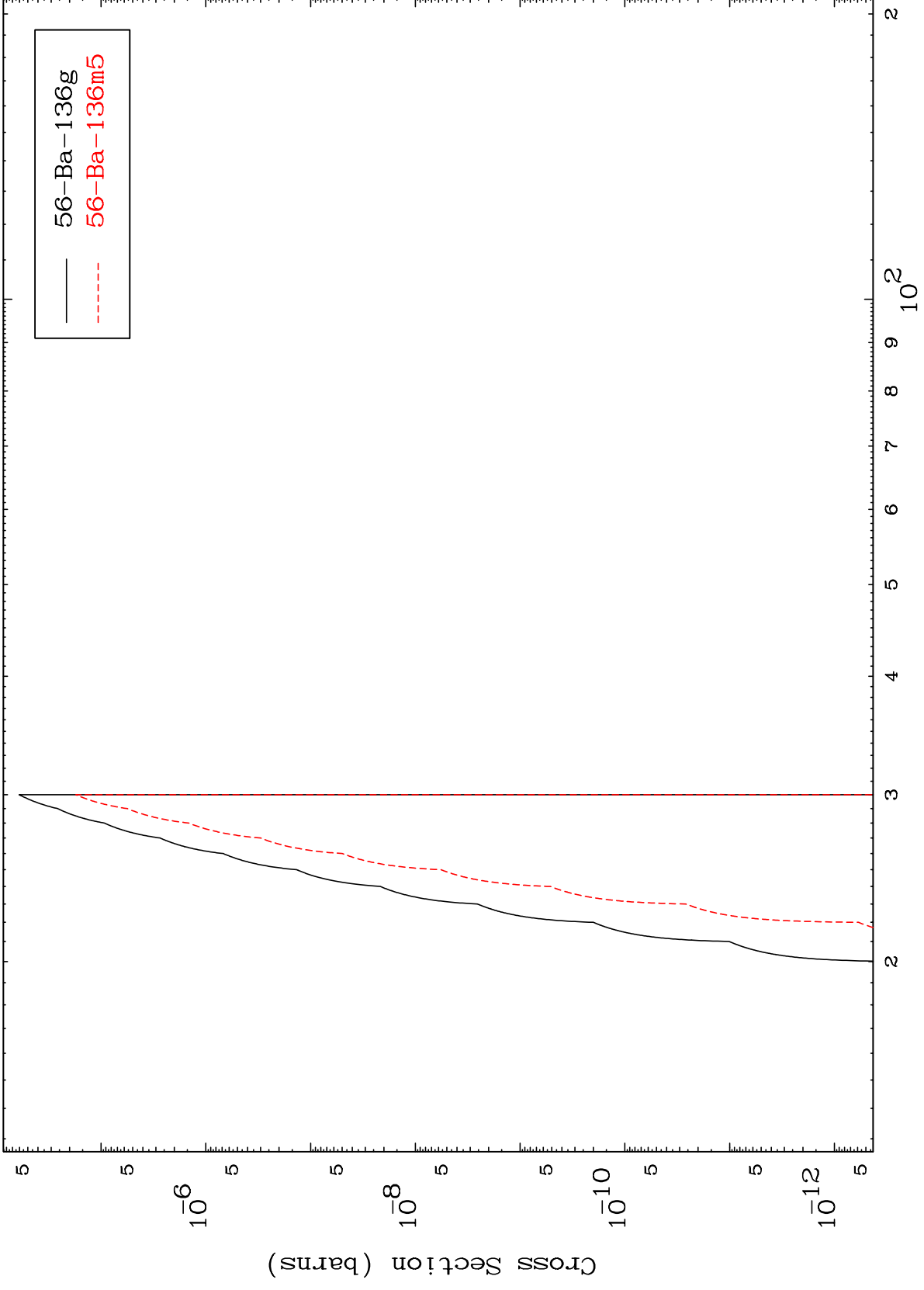
58-Ce-139

MAT 5834

(n,n') He-3

58-Ce-139

Radionuclide Production Cross Section



141

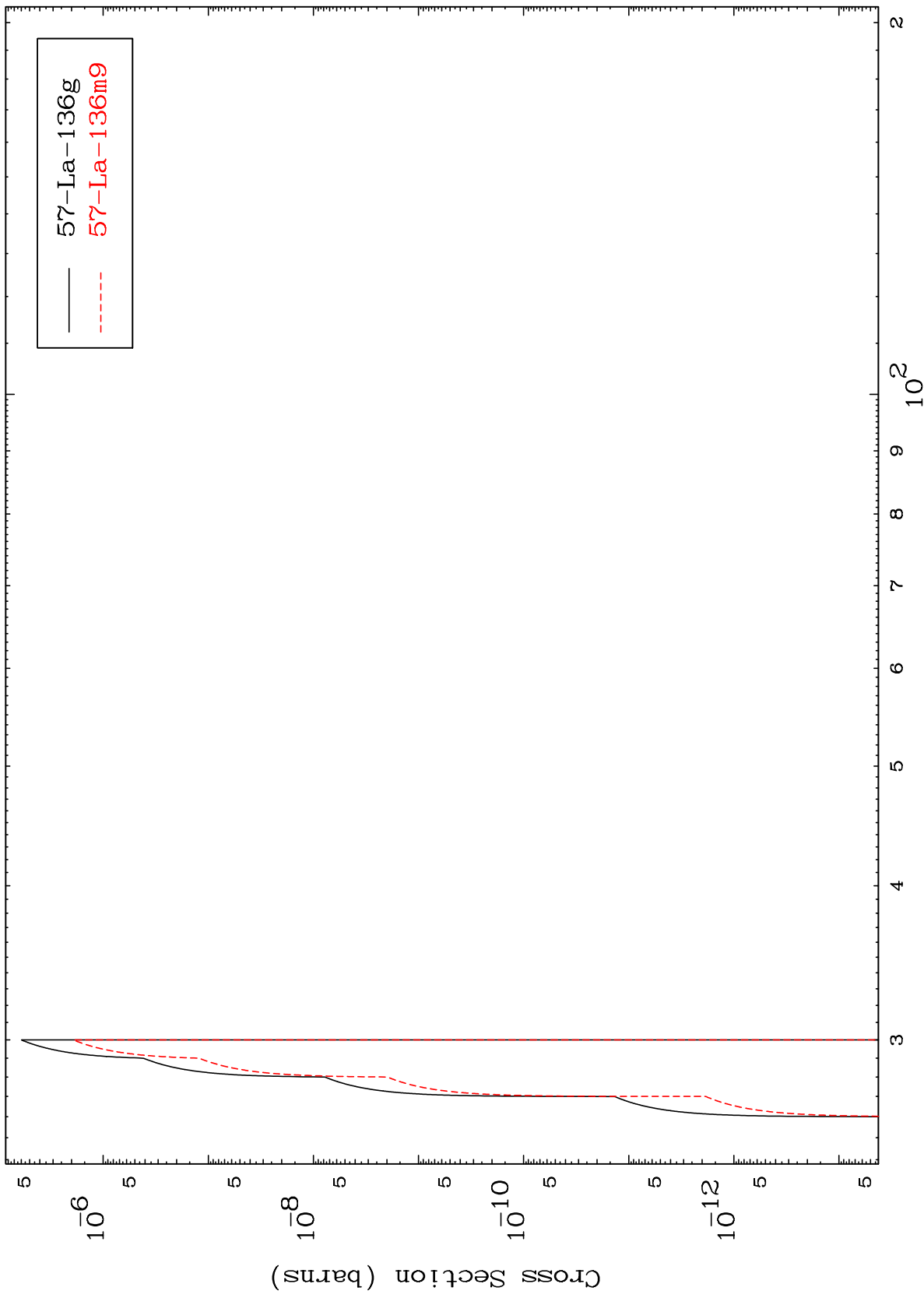
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

(n,3n) p  
Radionuclide Production Cross Section



142

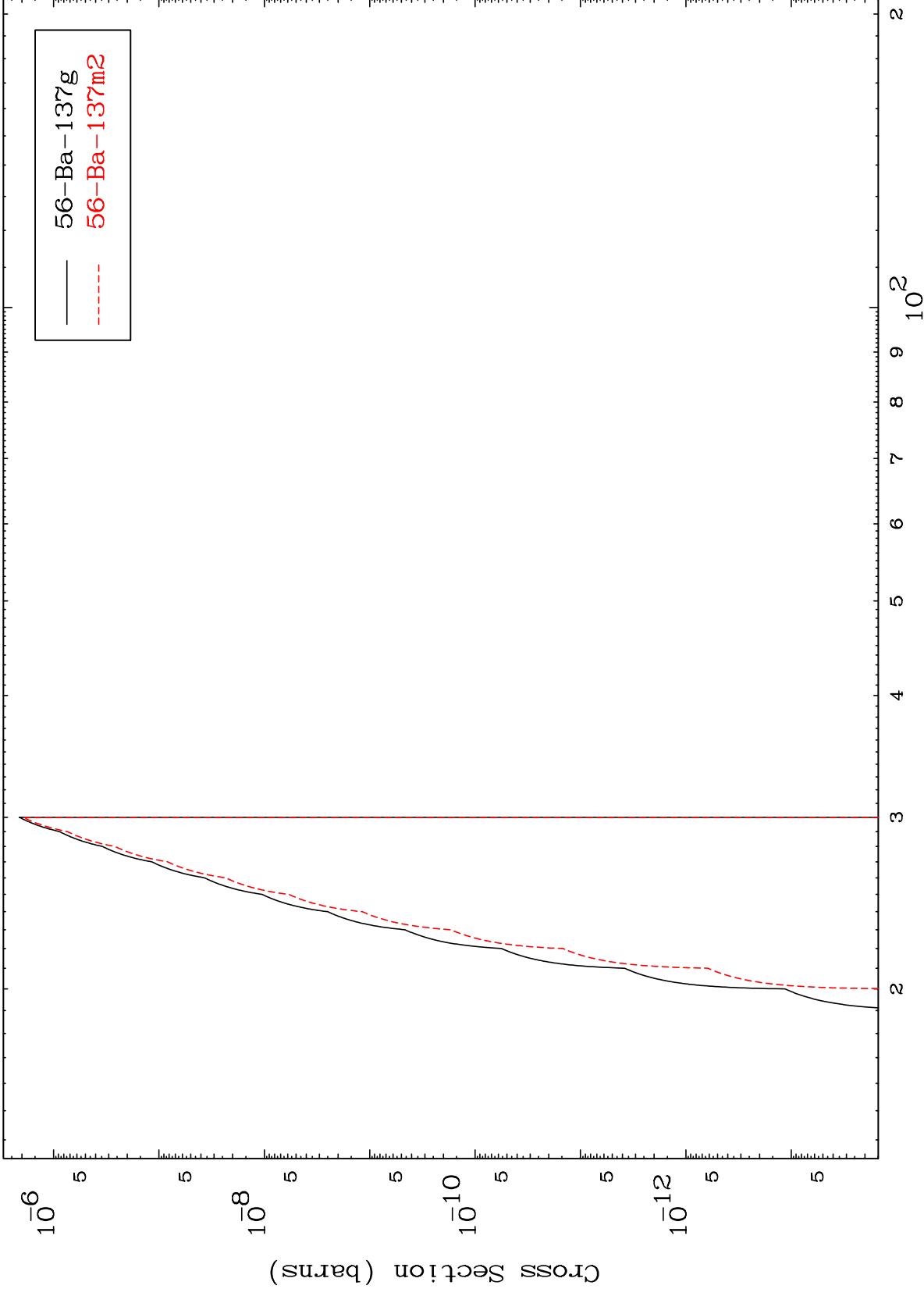
58-Ce-139

MAT 5834

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



56-Ba-137g  
56-Ba-137m2

143

Incident Energy (MeV)

58-Ce-139

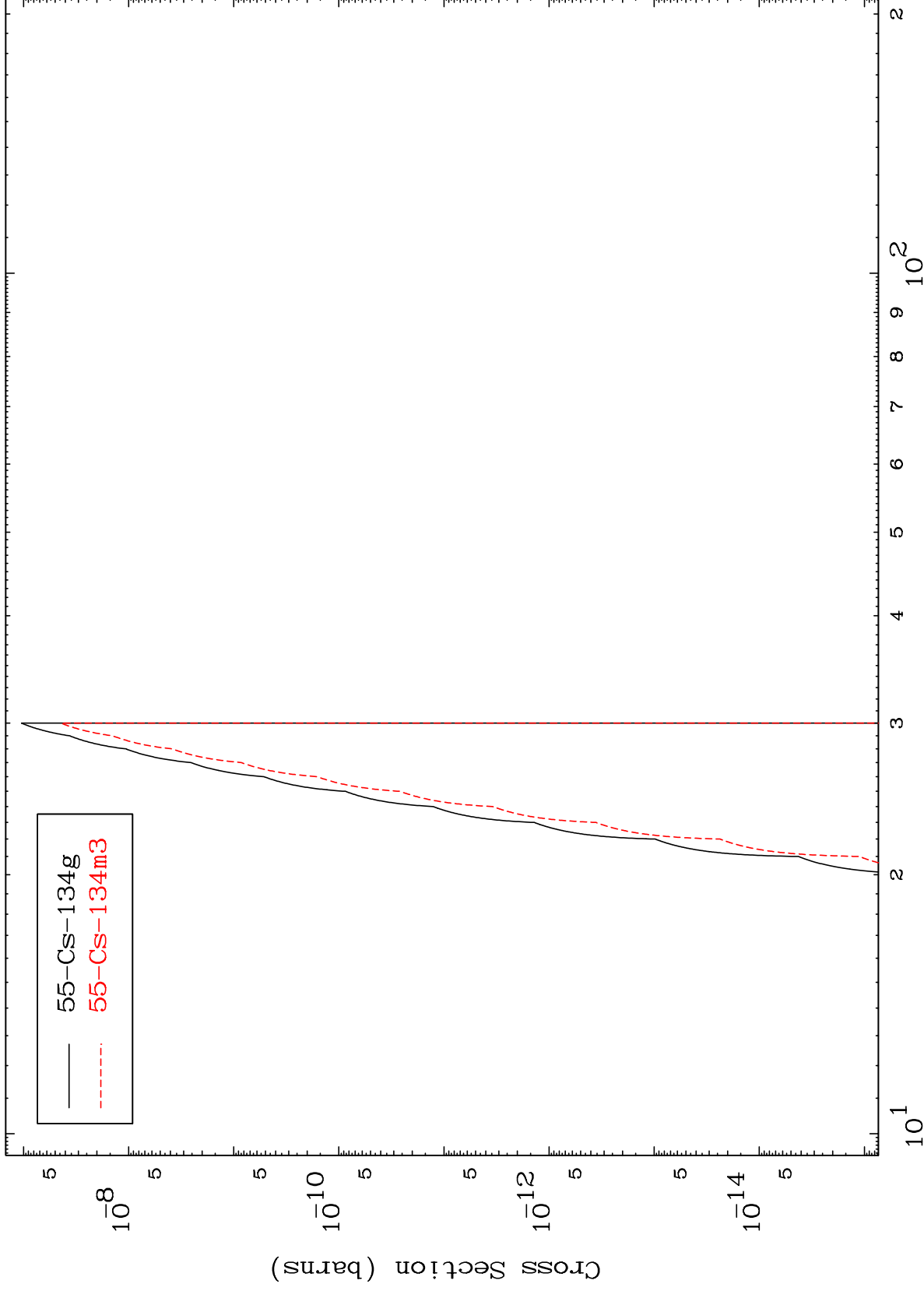


MAT 5834

(n,n') p  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



144

Incident Energy (MeV)

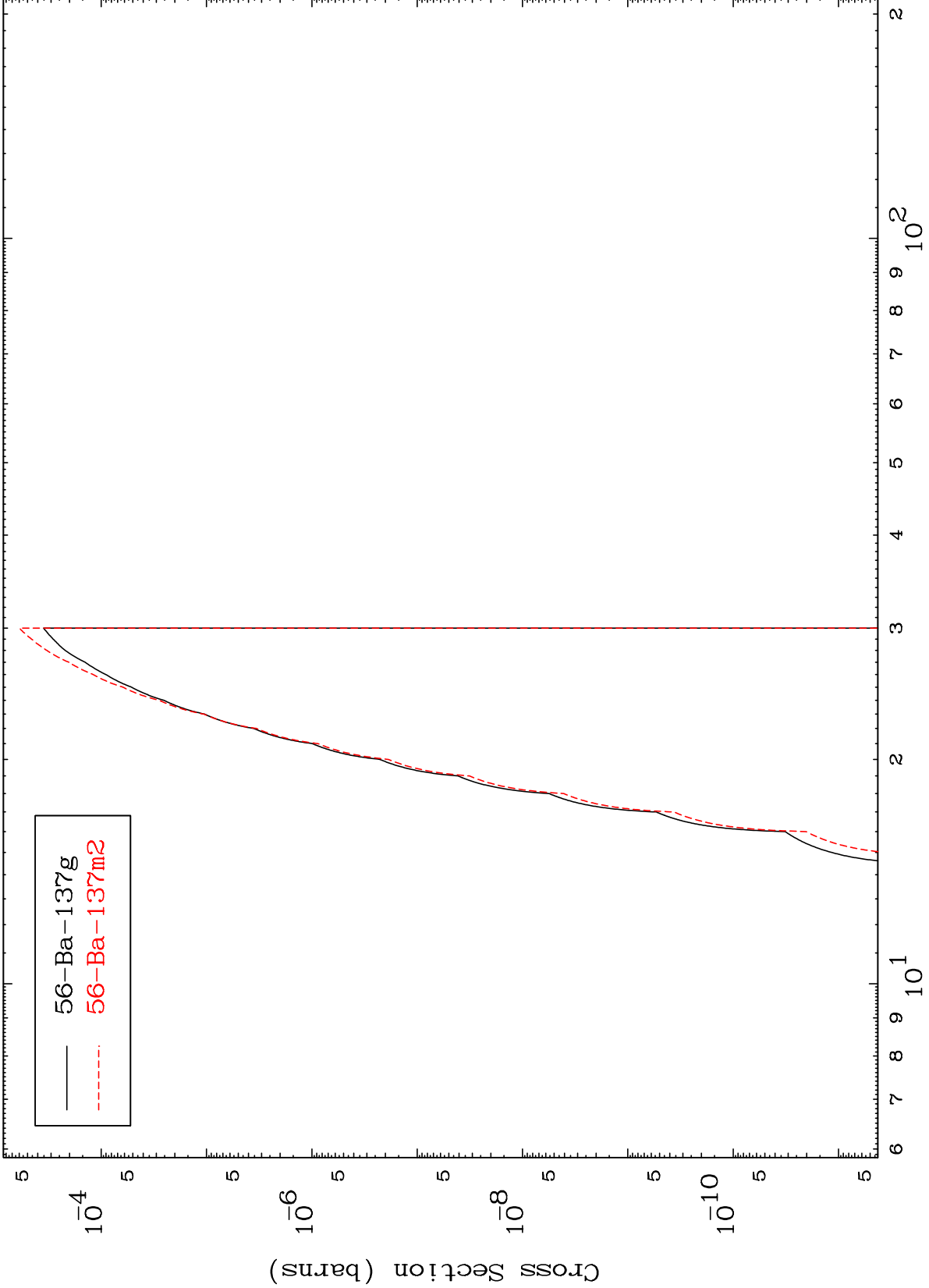
58-Ce-139

MAT 5834

(n,He-3)

58-Ce-139

Radionuclide Production Cross Section



56-Ba-137g  
56-Ba-137m2

145

Incident Energy (MeV)

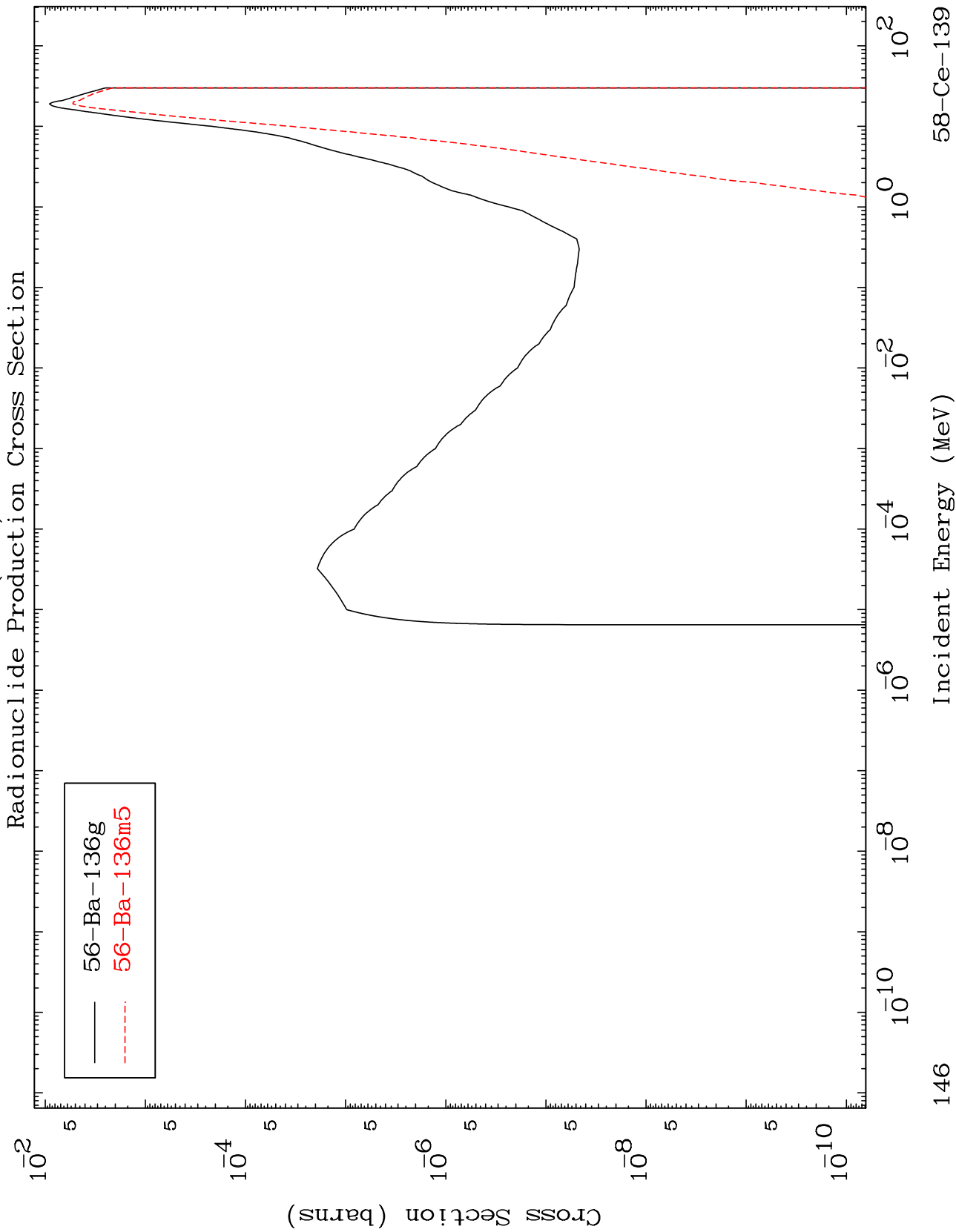
58-Ce-139

MAT 5834

58-Ce-139

Radionuclide Production Cross Section

(n,  $\alpha$ )



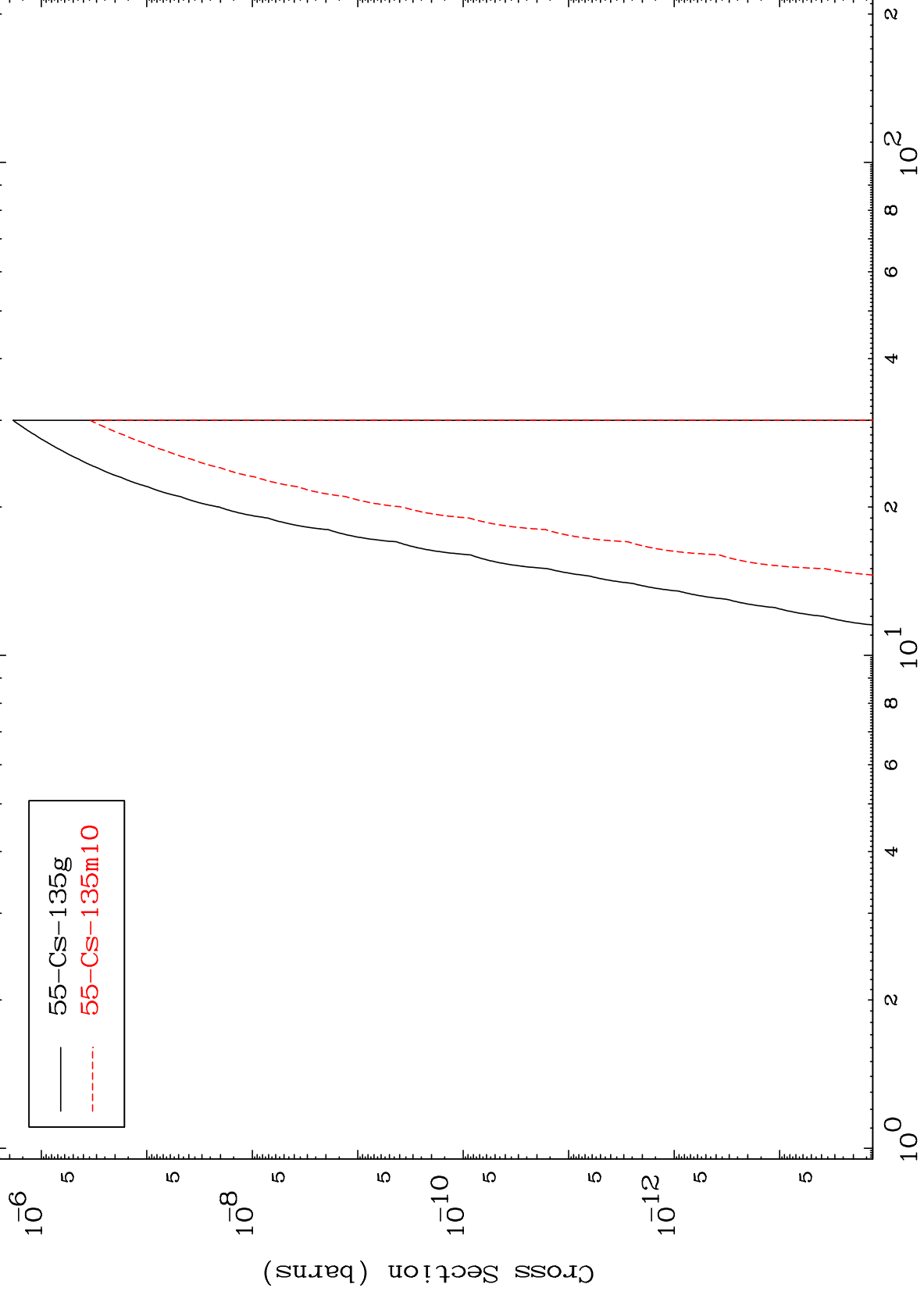
— 56-Ba-136g  
- - - 56-Ba-136m5

MAT 5834

(n,p)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section

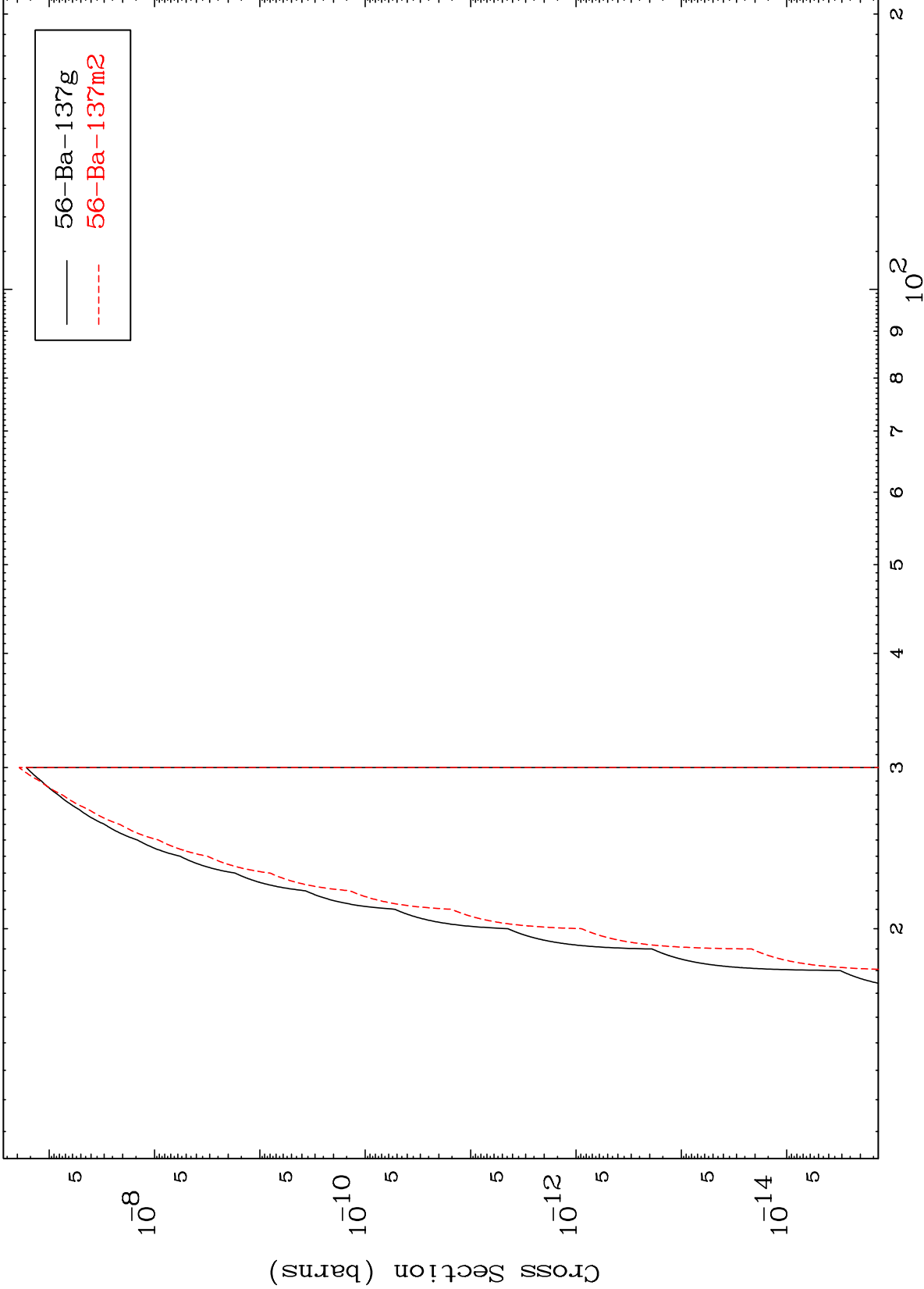


147

Incident Energy (MeV)

58-Ce-139

Radionuclide Production Cross Section

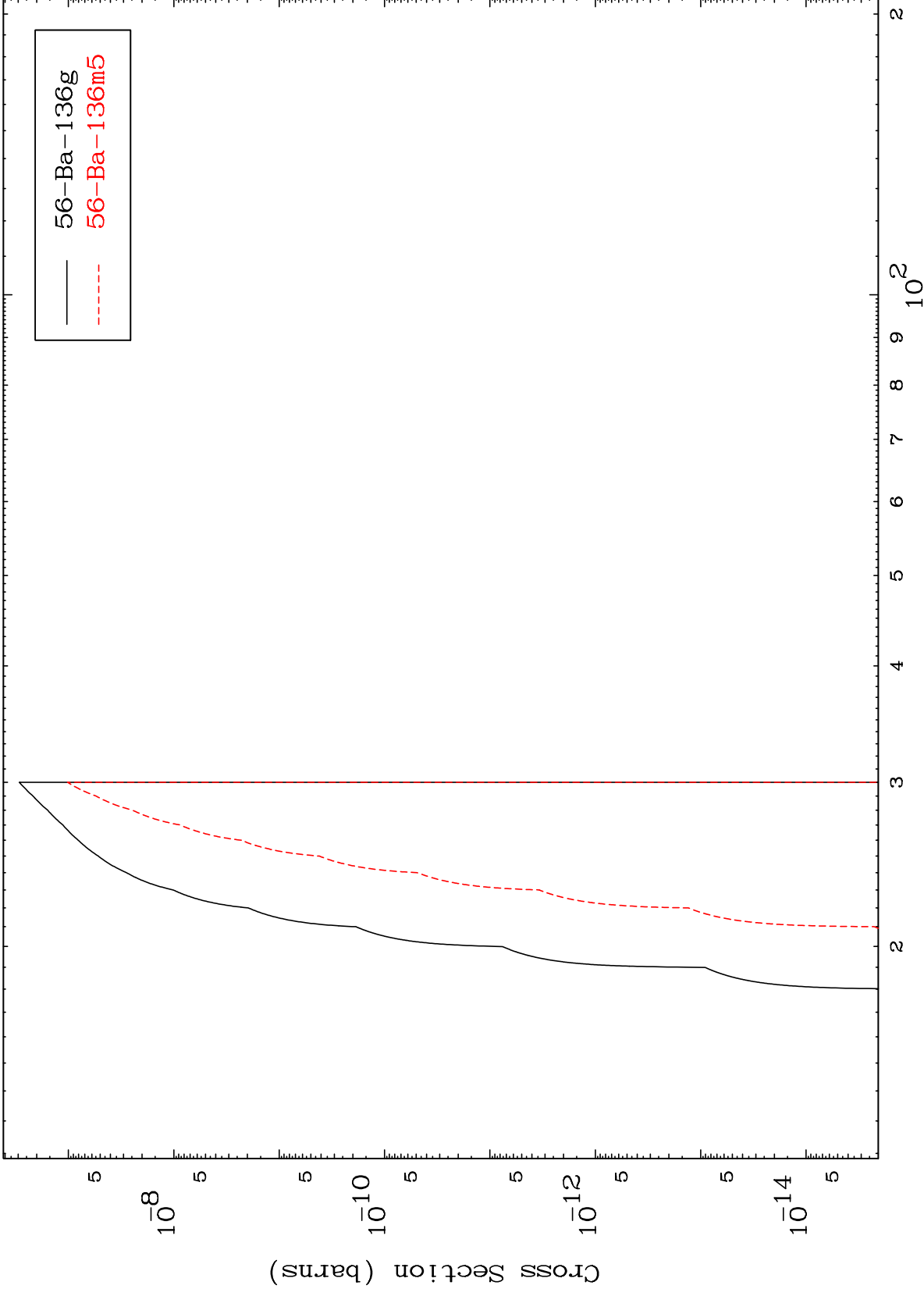


MAT 5834

(n,p) t

58-Ce-139

Radionuclide Production Cross Section



149

Incident Energy (MeV)

58-Ce-139

MAT 5834

(n,d)  $\alpha$

58-Ce-139

