

Program EVALPLOT
(Version 2018-1)

by

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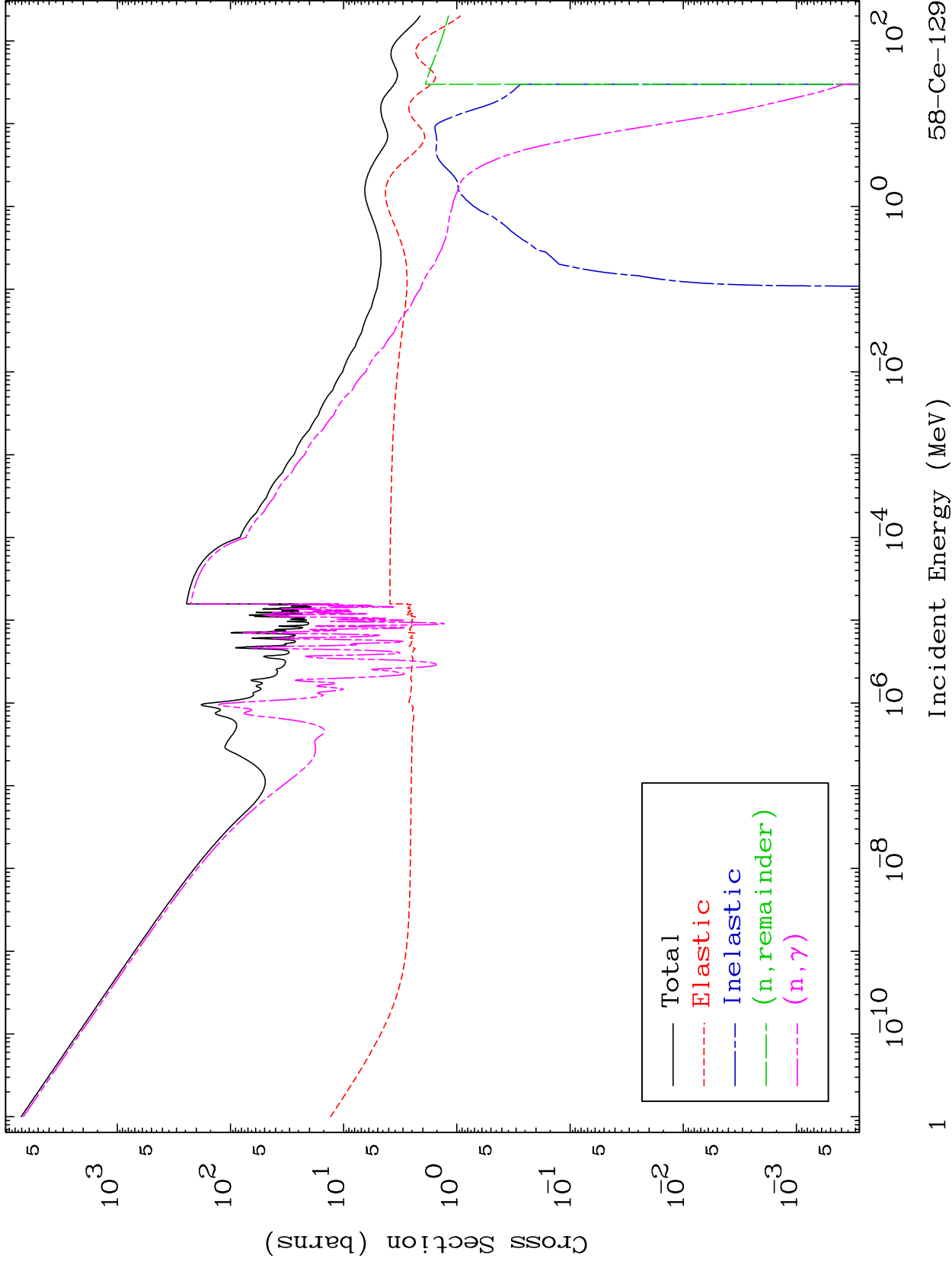
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5804

Major
293 Kelvin Cross Sections

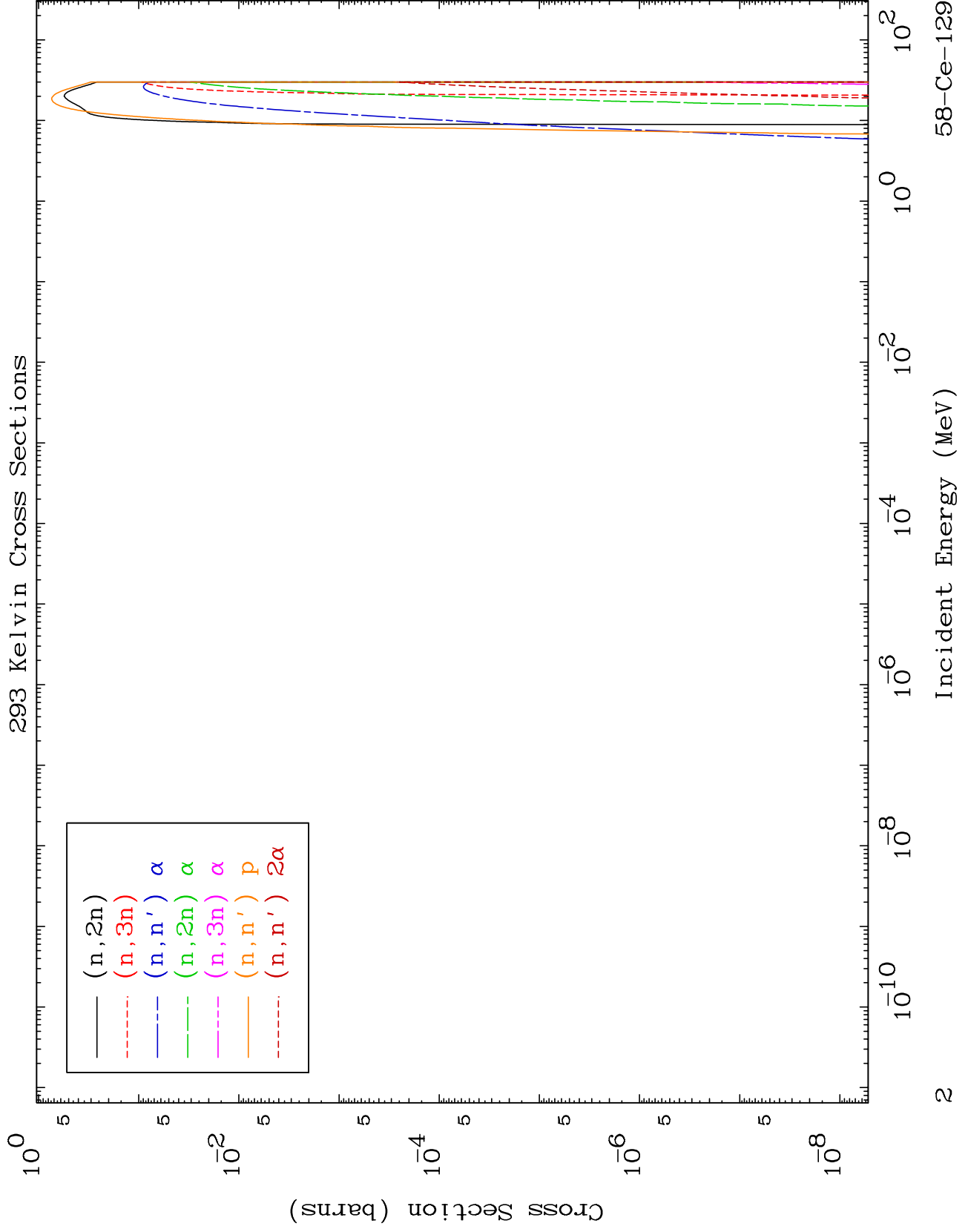
58-Ce-129



MAT 5804

Neutron Production
293 Kelvin Cross Sections

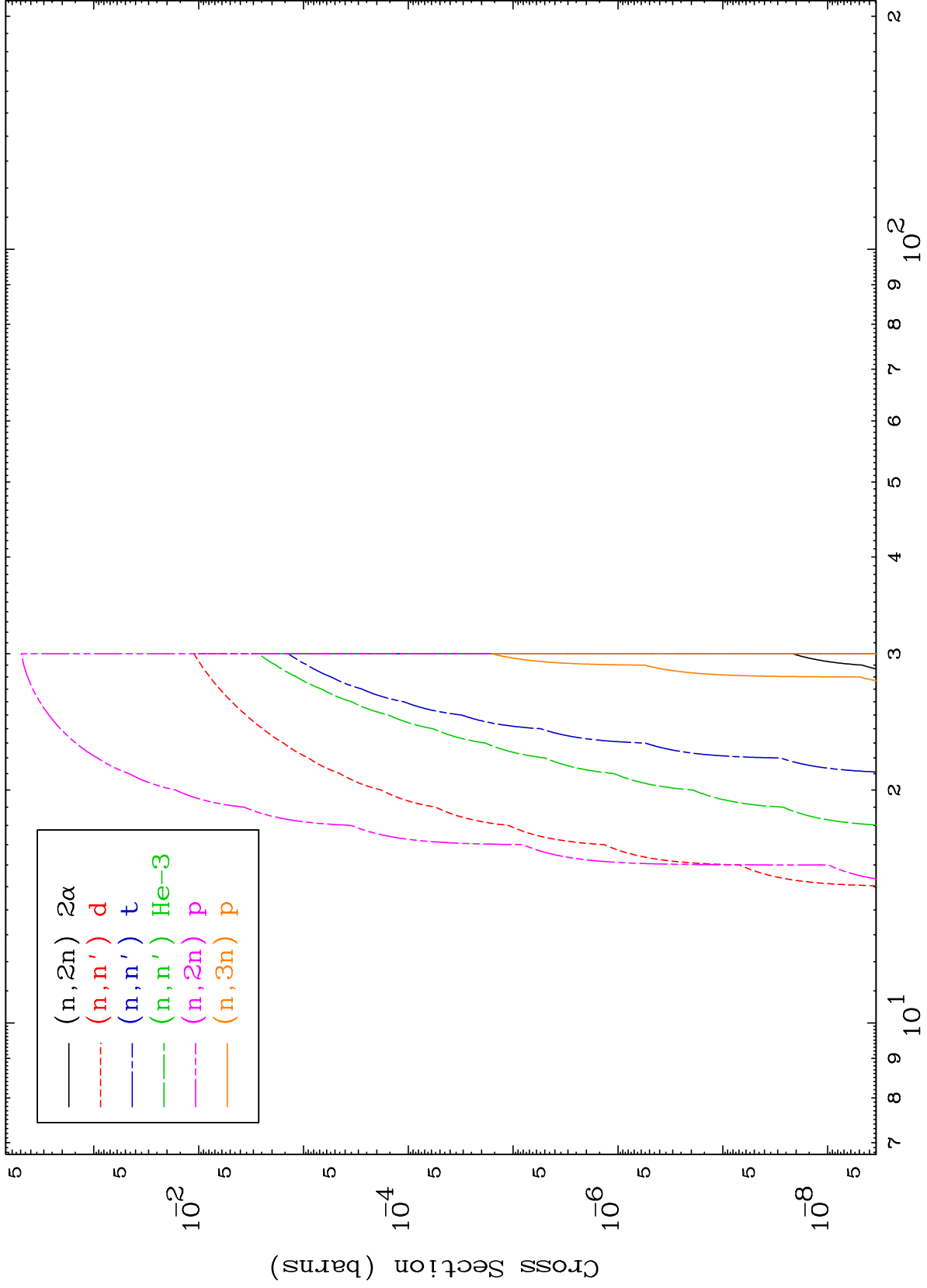
58-Ce-129



MAT 5804

Neutron Production
293 Kelvin Cross Sections

58-Ce-129



3

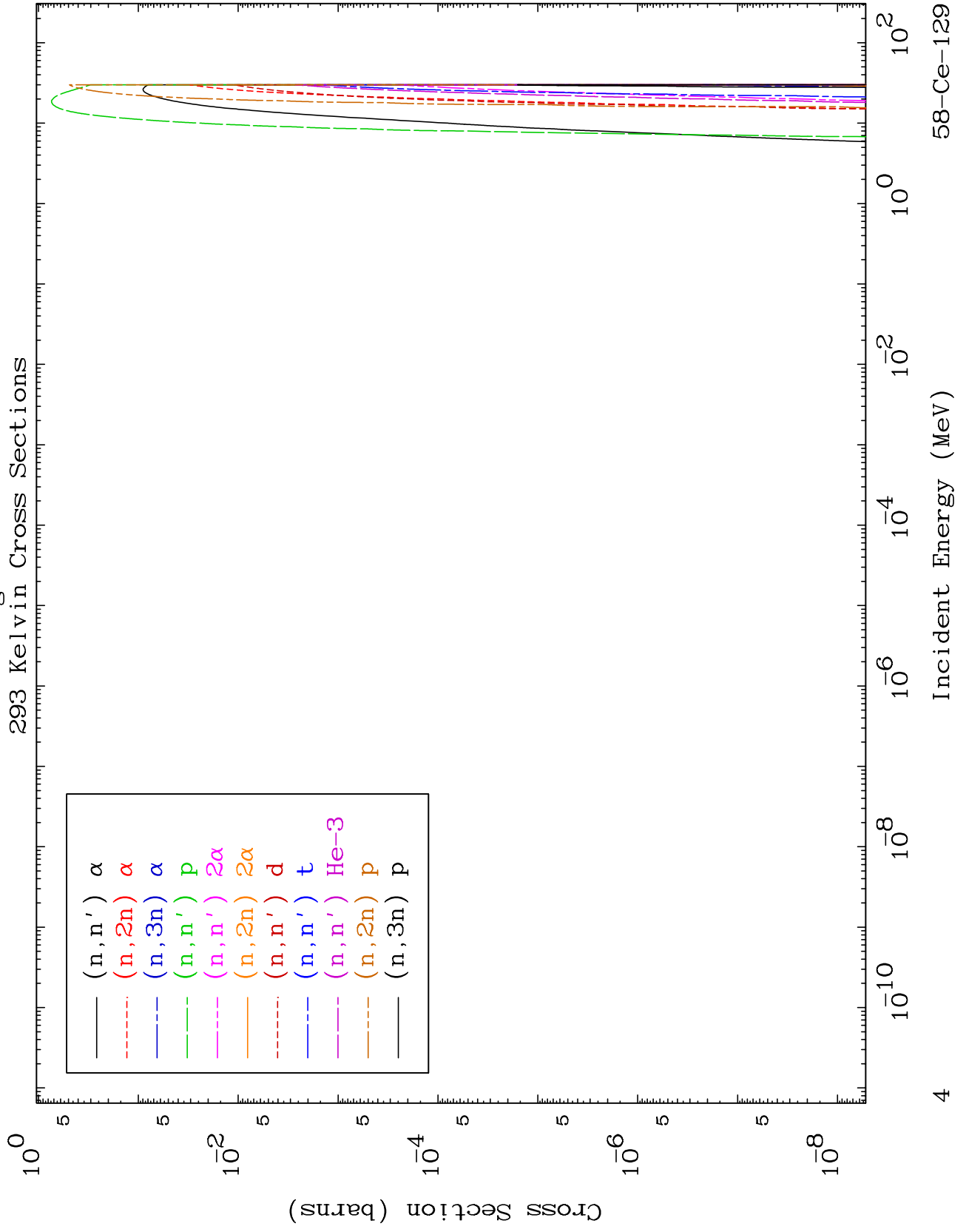
Incident Energy (MeV)

58-Ce-129

MAT 5804

Charged Particle
293 Kelvin Cross Sections

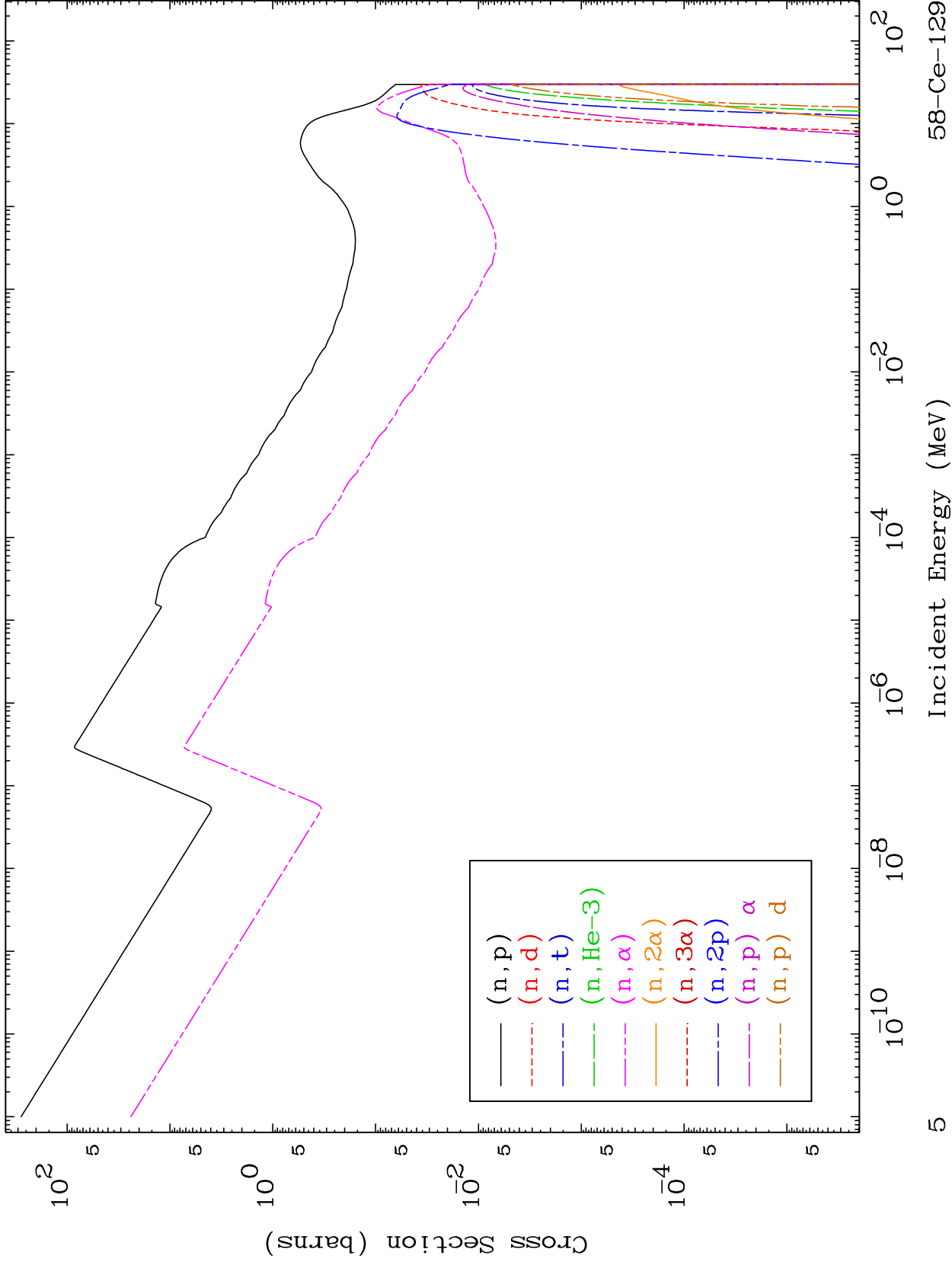
58-Ce-129



MAT 5804

Charged Particle
293 Kelvin Cross Sections

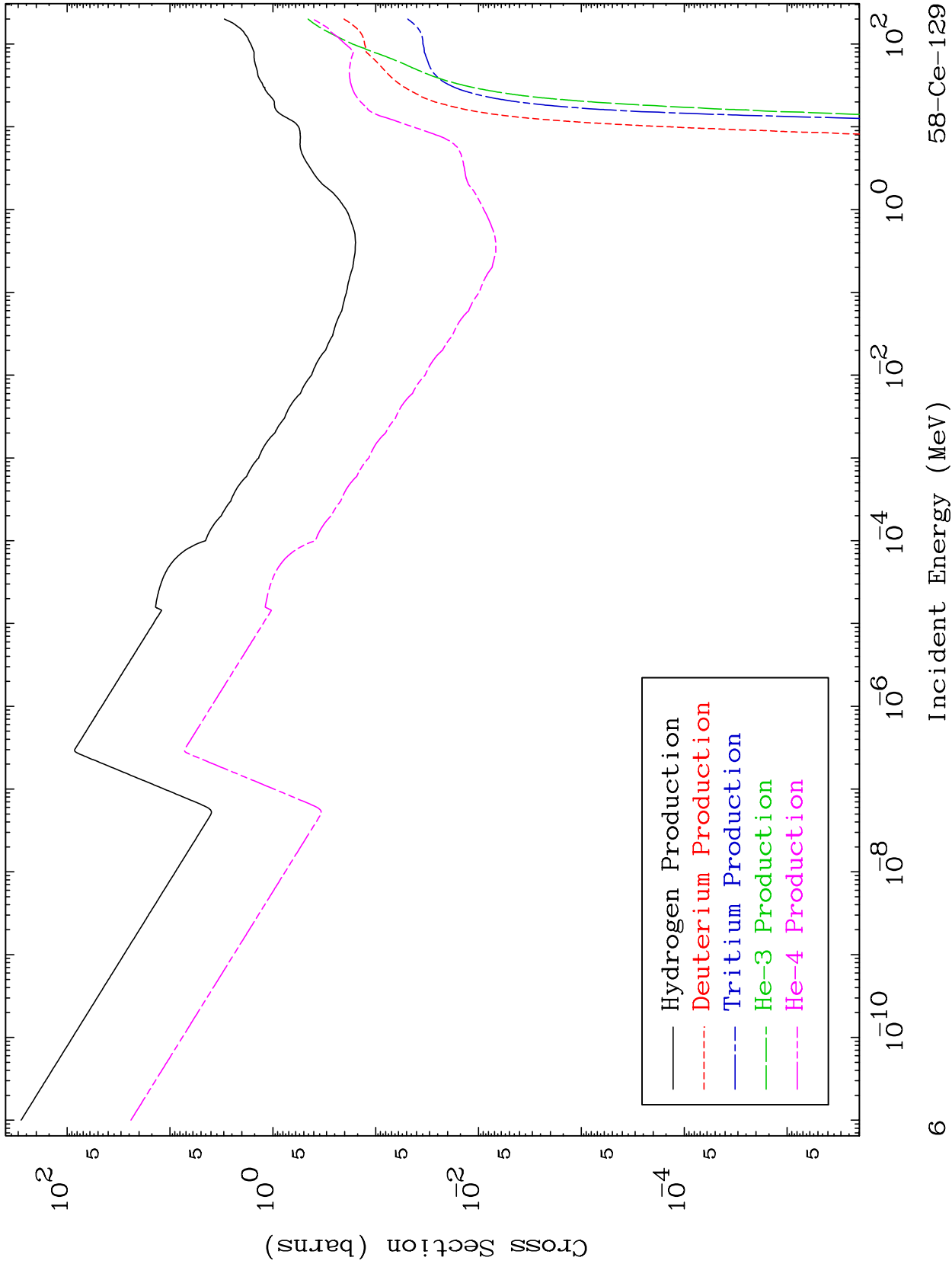
58-Ce-129



MAT 5804

Particle Production
293 Kelvin Cross Sections

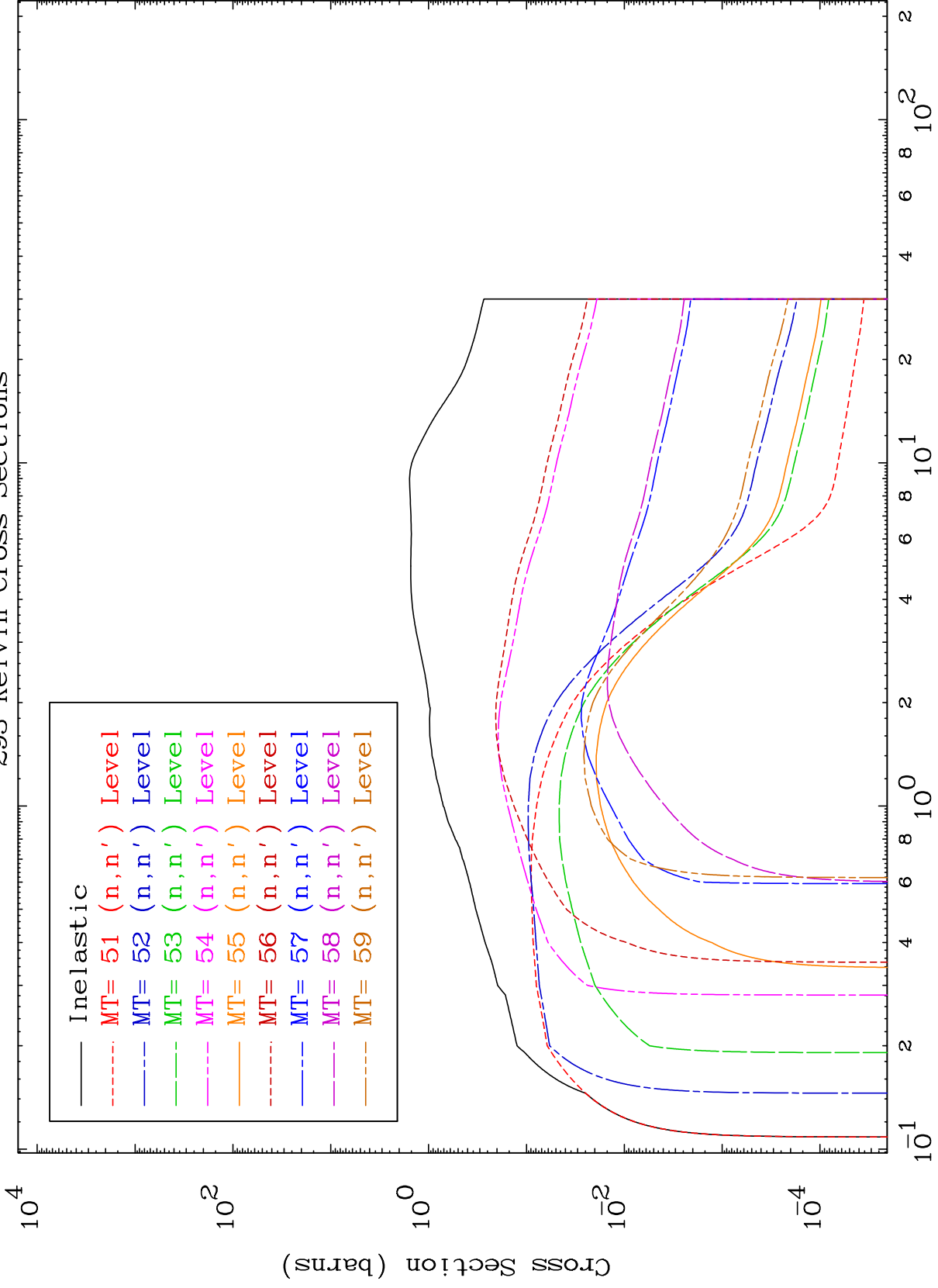
58-Ce-129



MAT 5804

(n,n') Level
293 Kelvin Cross Sections

58-Ce-129



—	Inelastic
- - -	MT= 51 (n,n') Level
- . -	MT= 52 (n,n') Level
- - -	MT= 53 (n,n') Level
- . -	MT= 54 (n,n') Level
- - -	MT= 55 (n,n') Level
- . -	MT= 56 (n,n') Level
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- - -	MT= 59 (n,n') Level

Incident Energy (MeV)

58-Ce-129

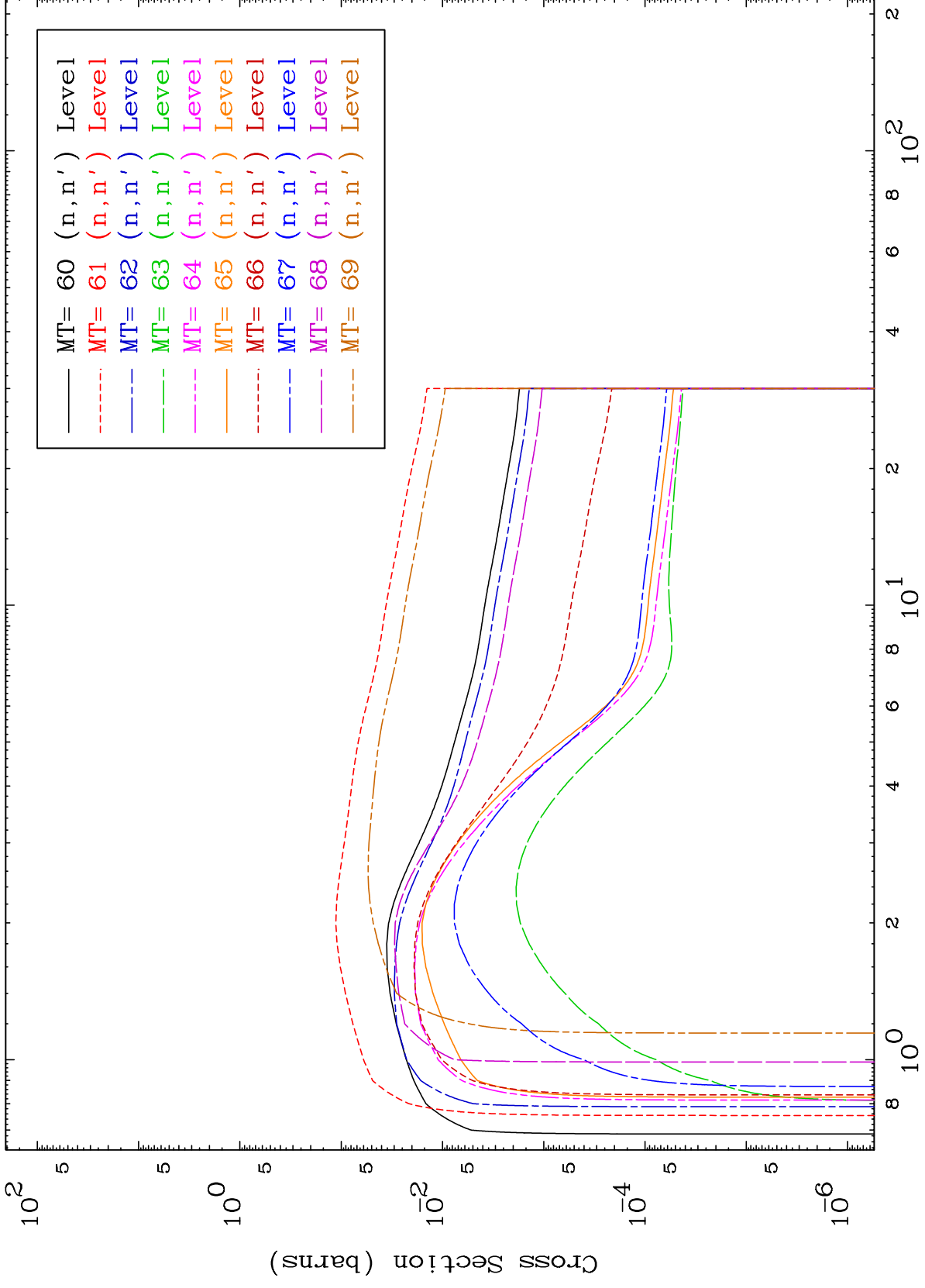
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MAT 5804

(n,n') Level

58-Ce-129

293 Kelvin Cross Sections

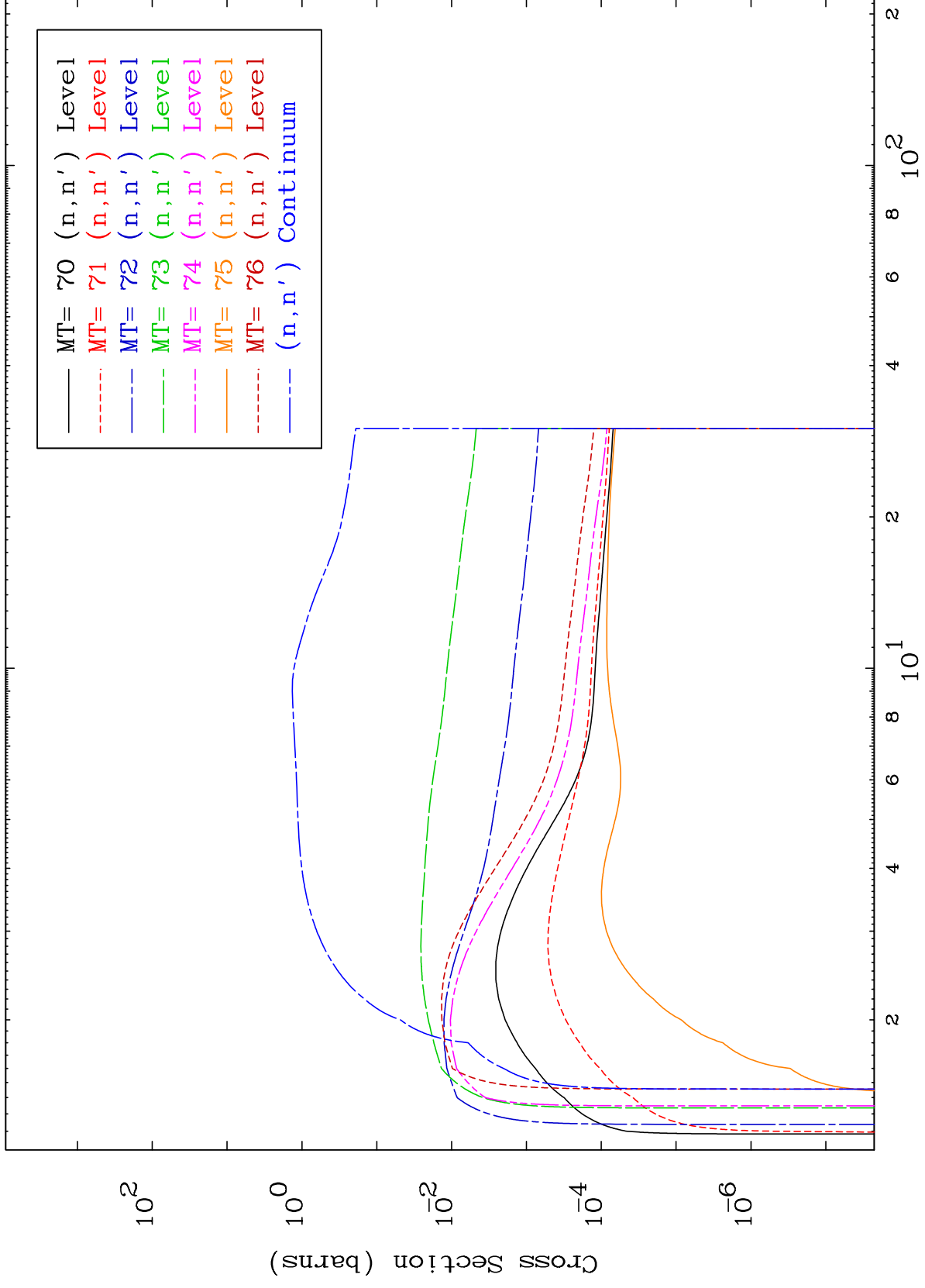


8

Incident Energy (MeV)

58-Ce-129

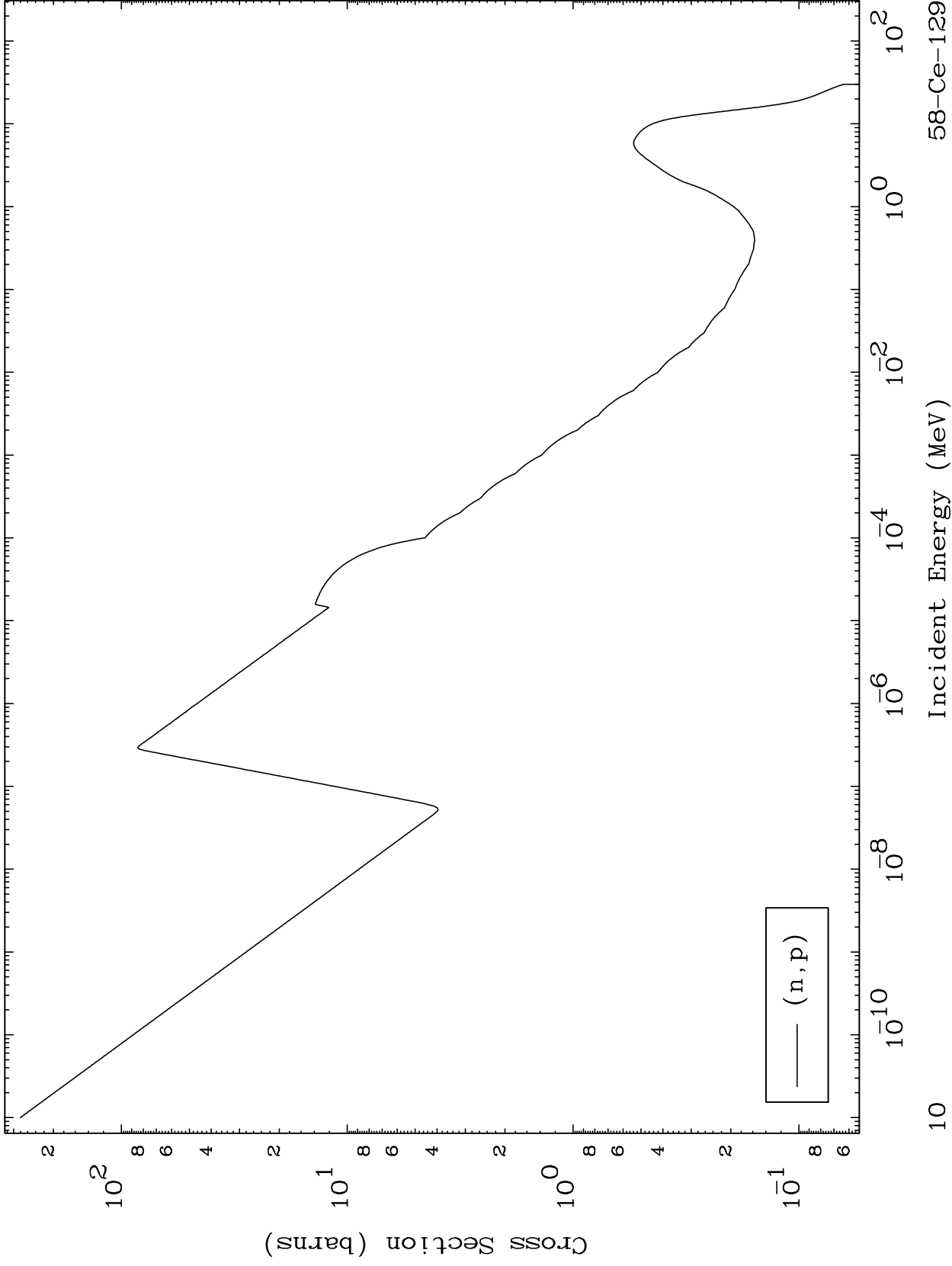
293 Kelvin Cross Sections



MAT 5804

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-129



10

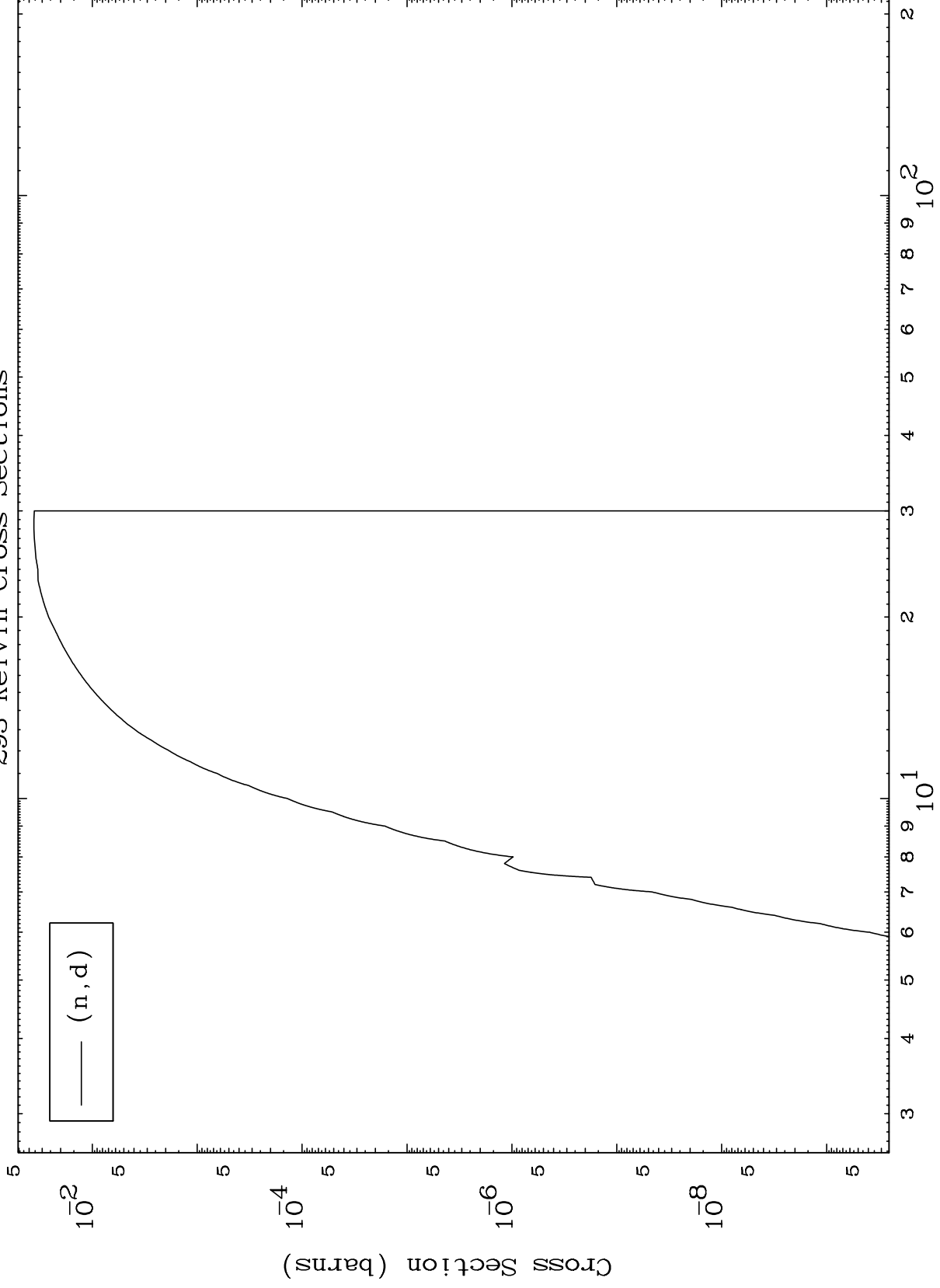
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,d) Levels
293 Kelvin Cross Sections

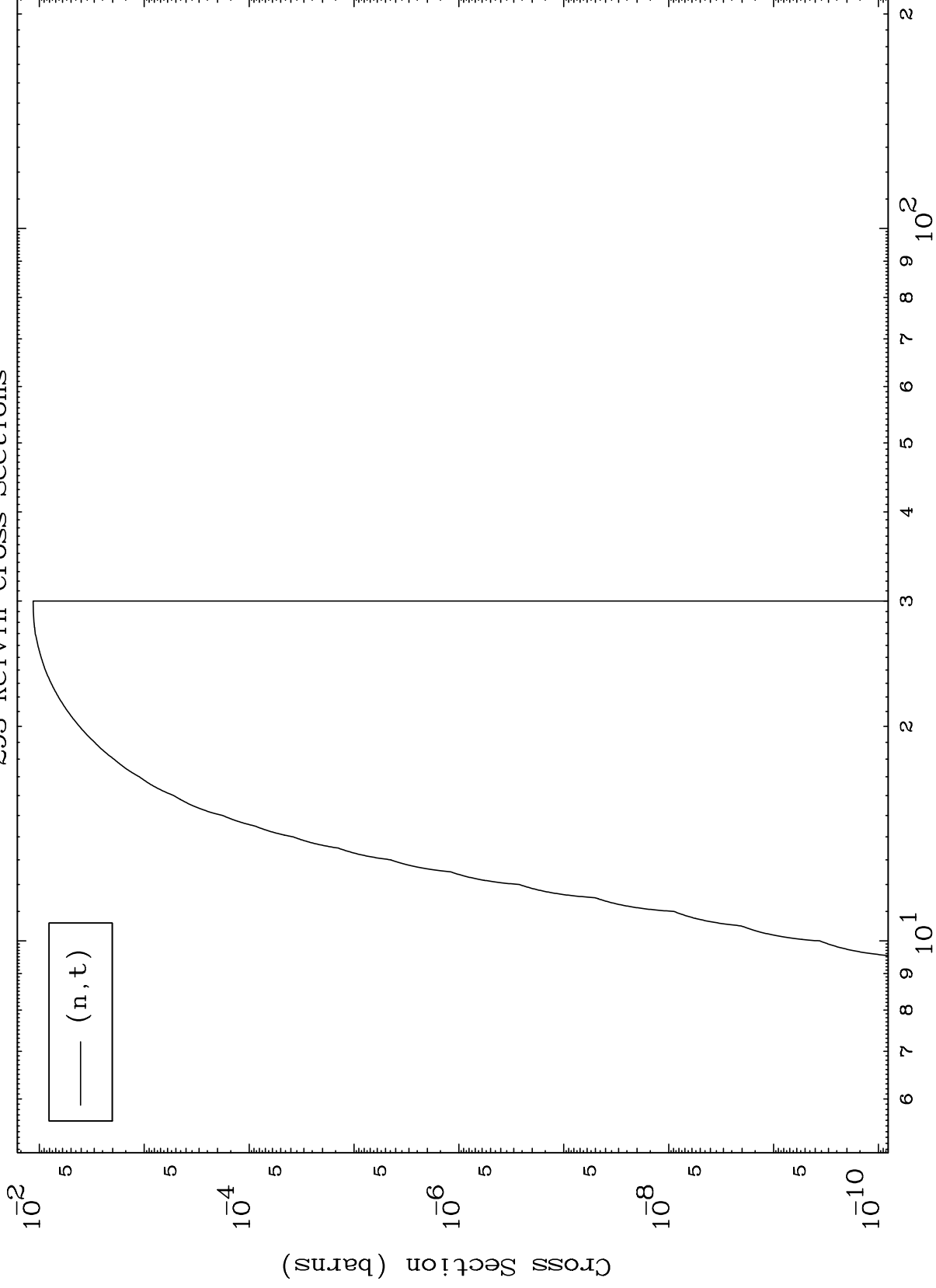
58-Ce-129



MAT 5804

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-129



12

Incident Energy (MeV)

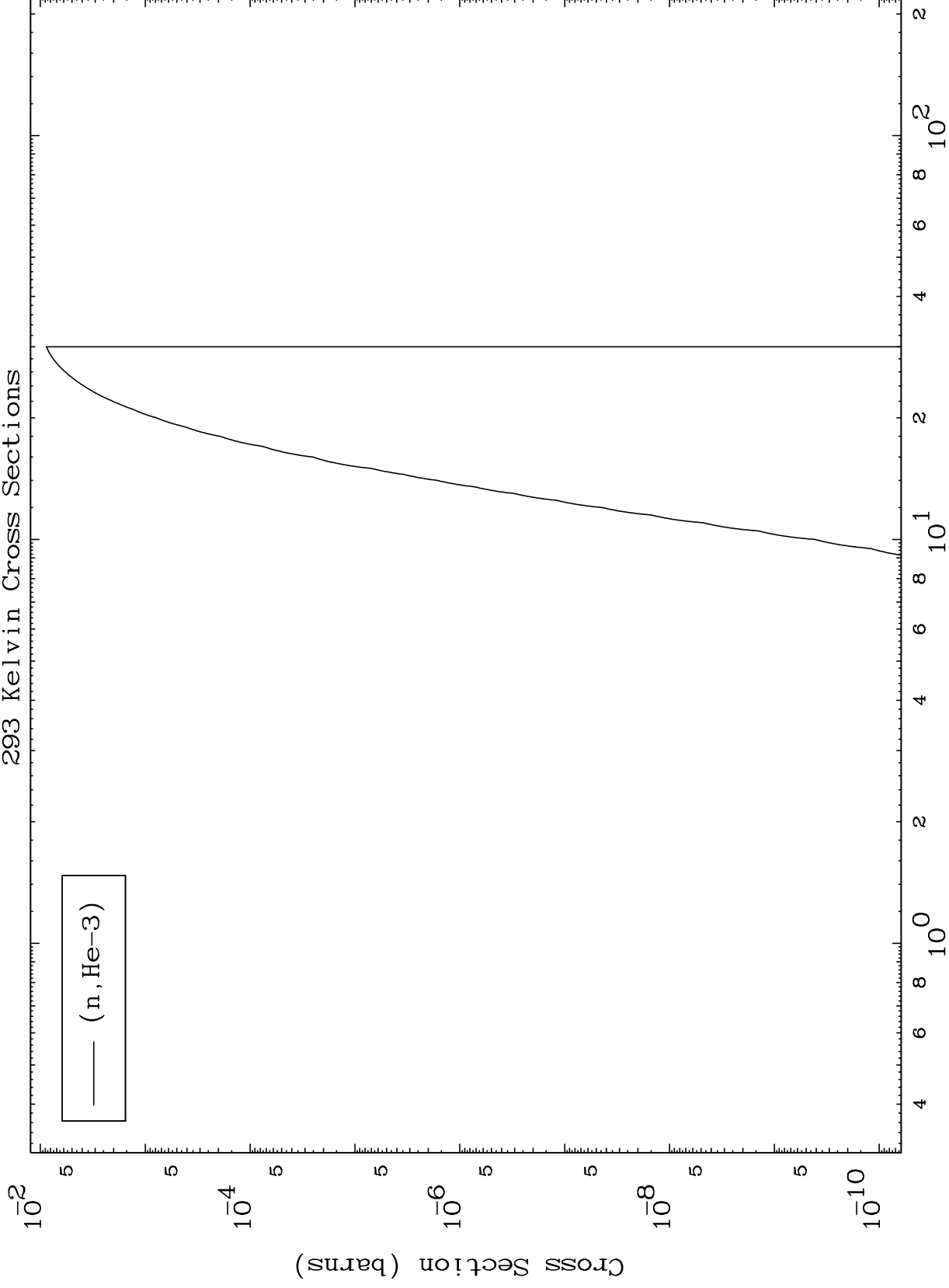
58-Ce-129

MAT 5804

(n,He3) Levels

58-Ce-129

293 Kelvin Cross Sections



13

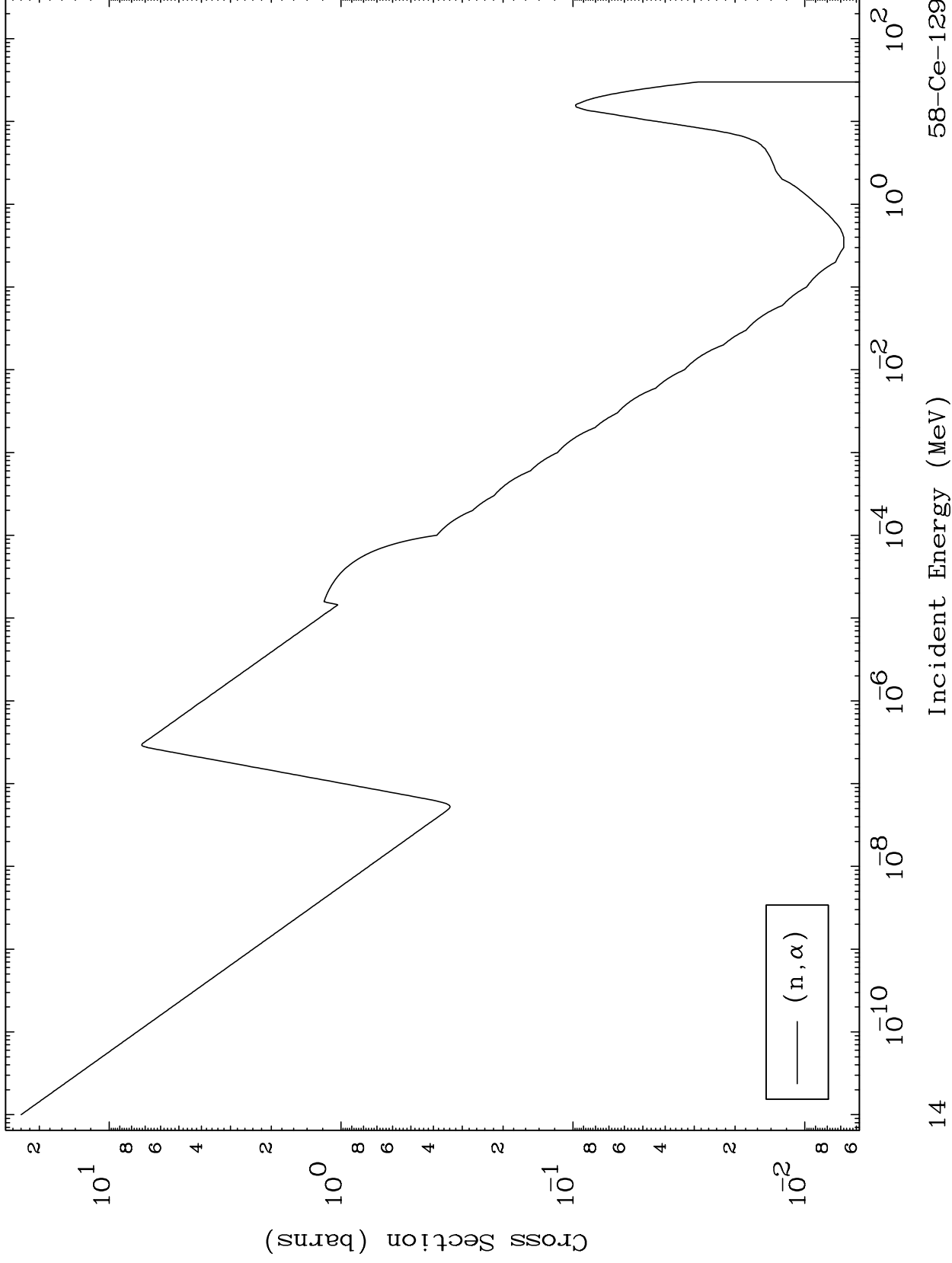
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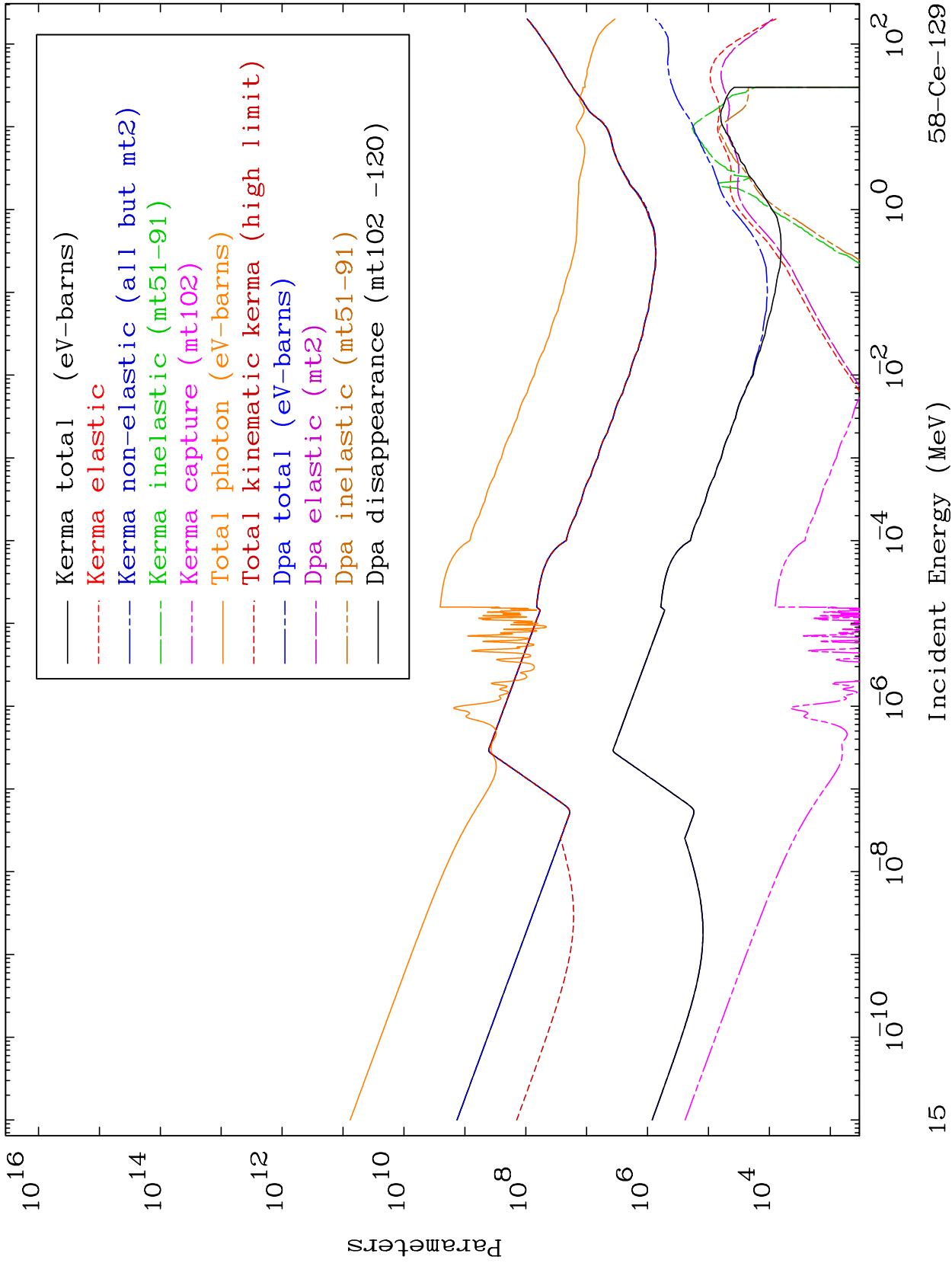
58-Ce-129

MAT 5804

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-129

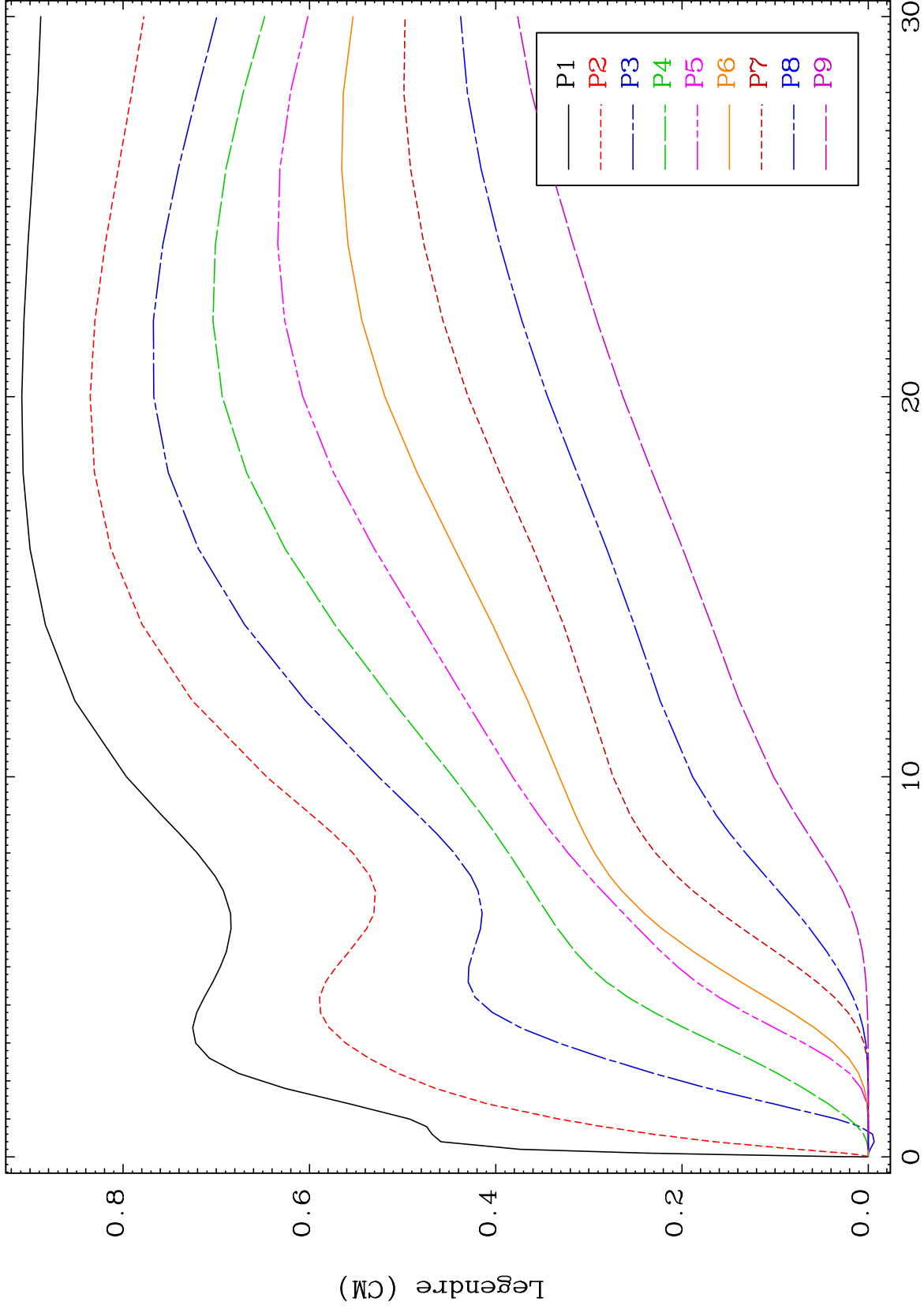




MAT 5804

Elastic Legendre Coefficients

58-Ce-129



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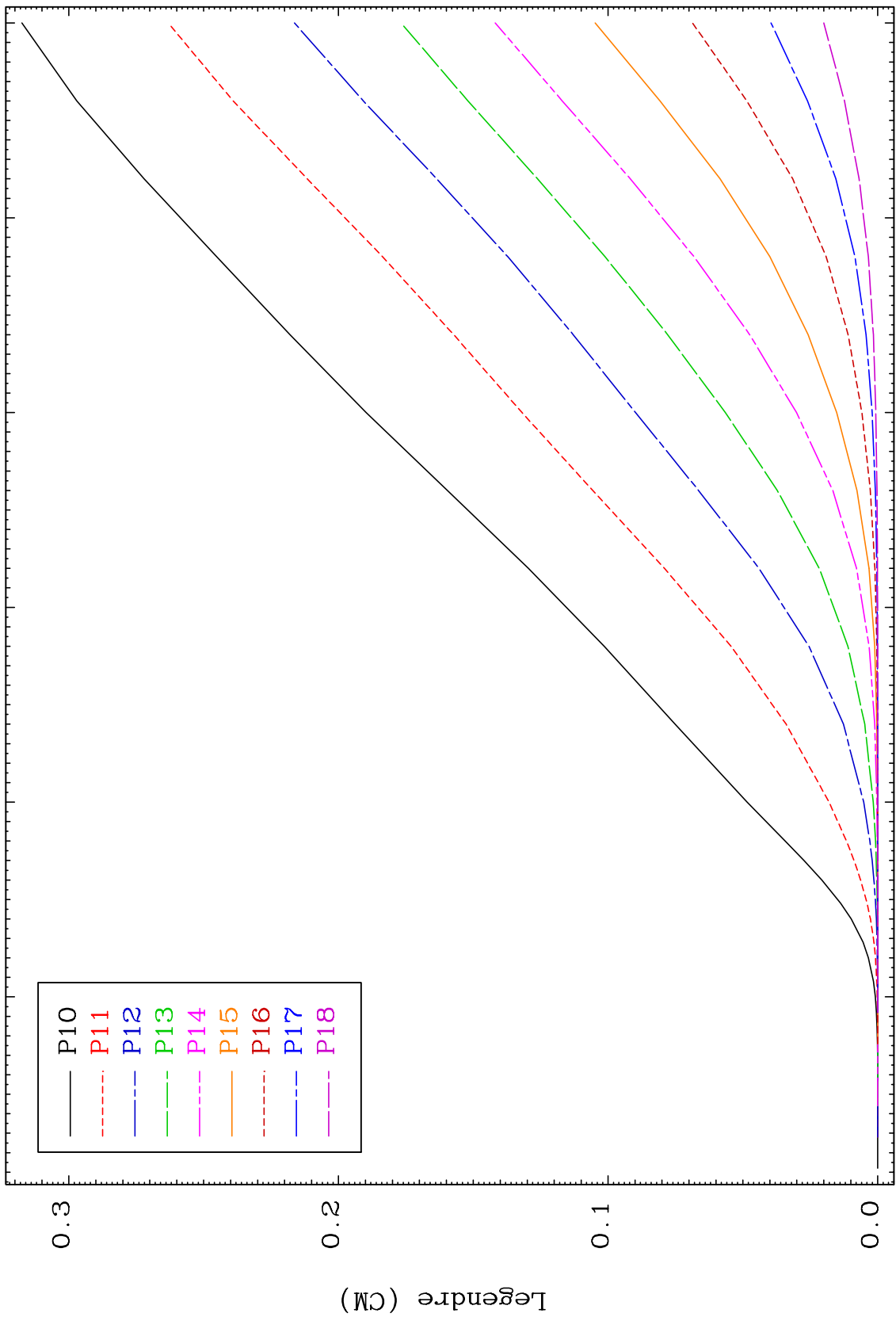
Incident Energy (MeV)

58-Ce-129

MAT 5804

Elastic Legendre Coefficients

58-Ce-129



17

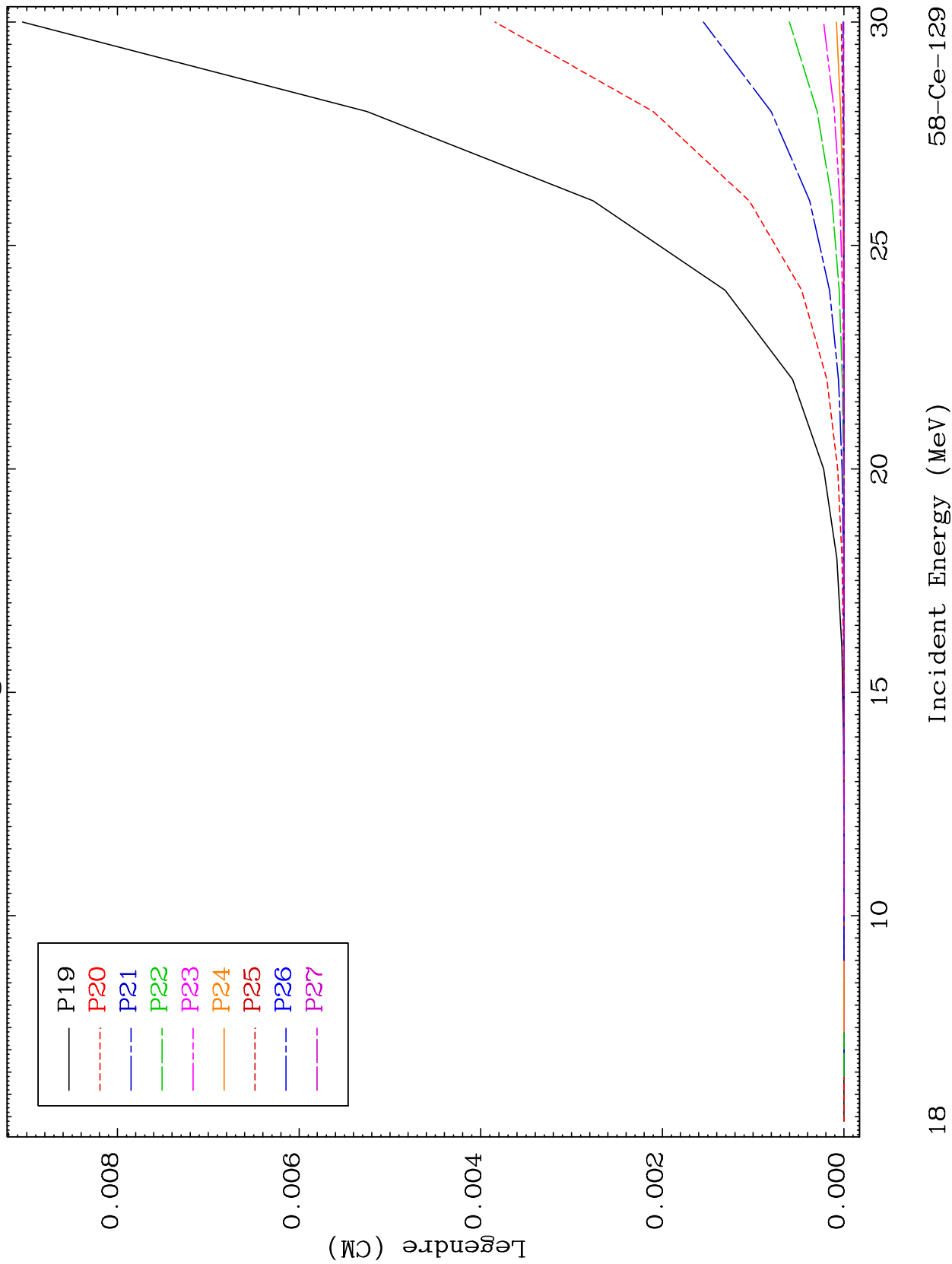
Incident Energy (MeV)

58-Ce-129

MAT 5804

Elastic Legendre Coefficients

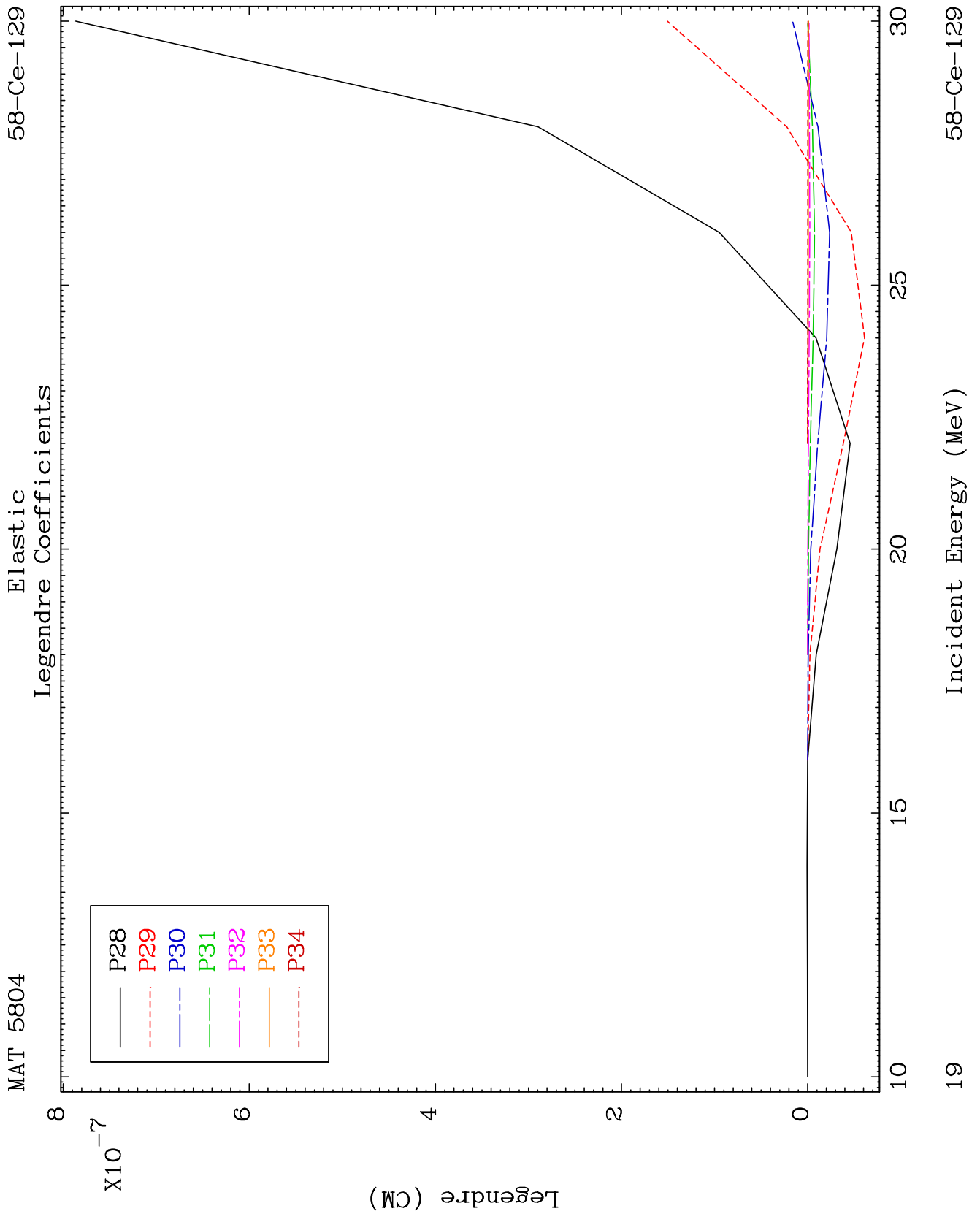
58-Ce-129



18

Incident Energy (MeV)

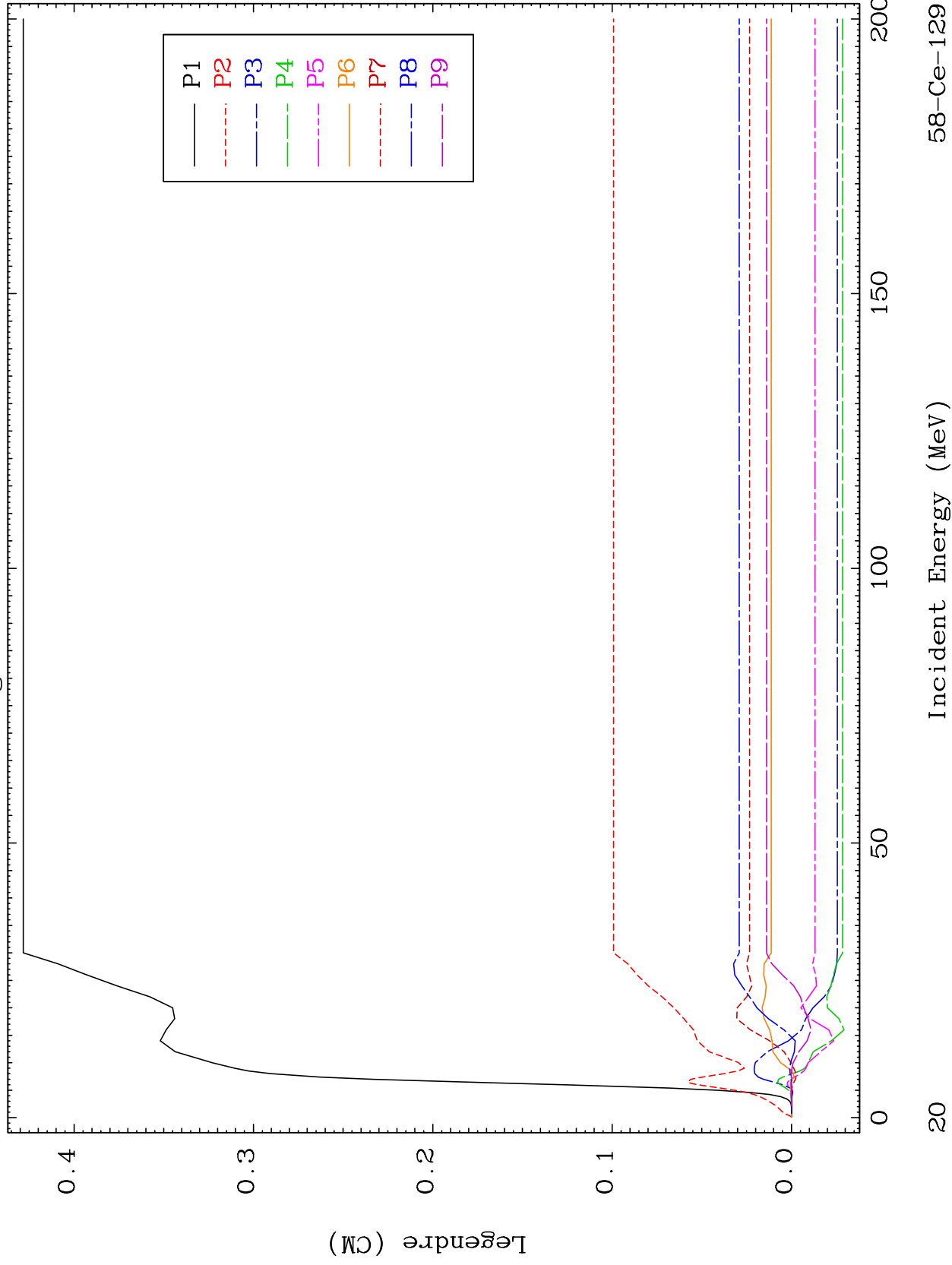
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

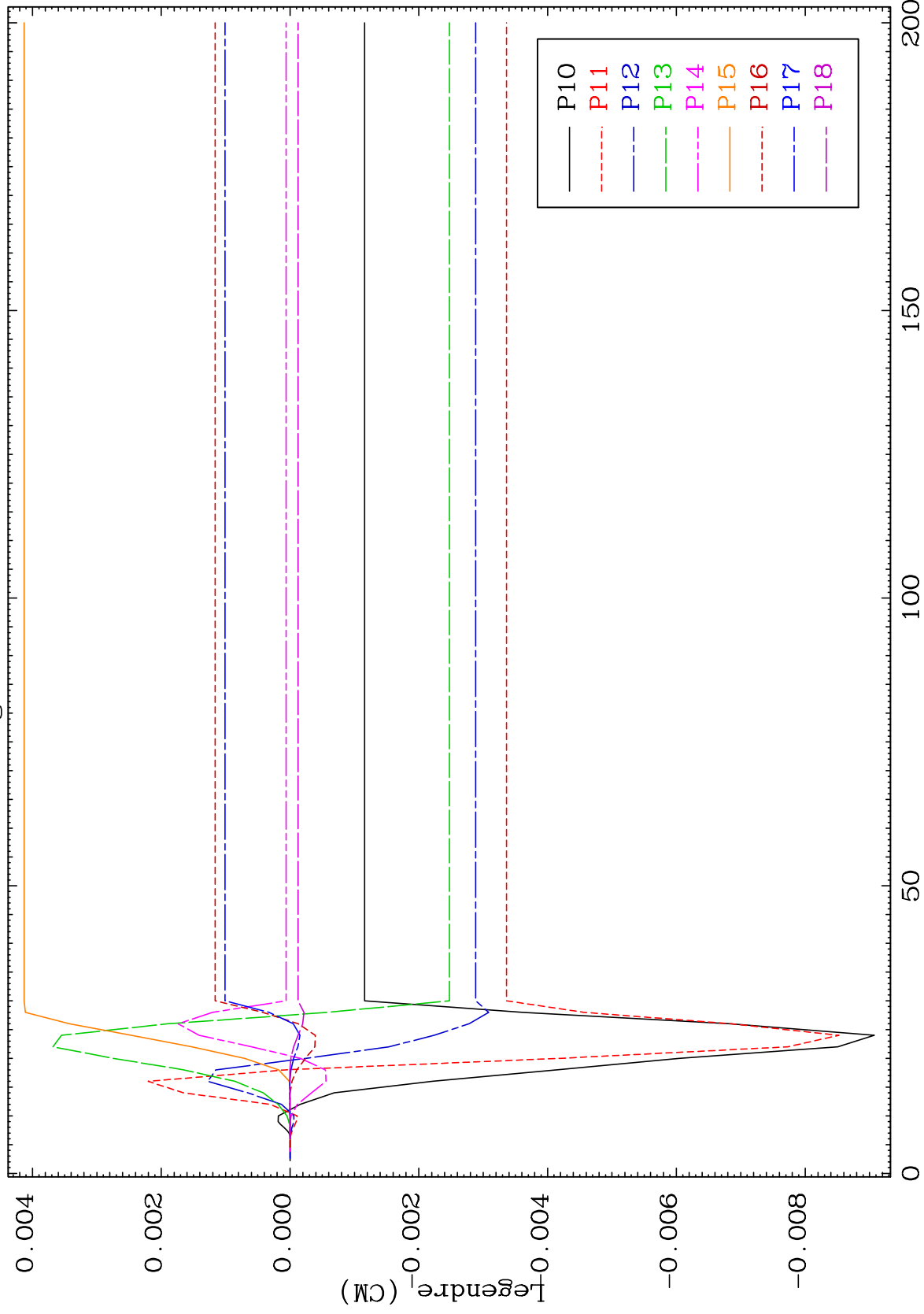
Incident Energy (MeV)

20

MAT 5804

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

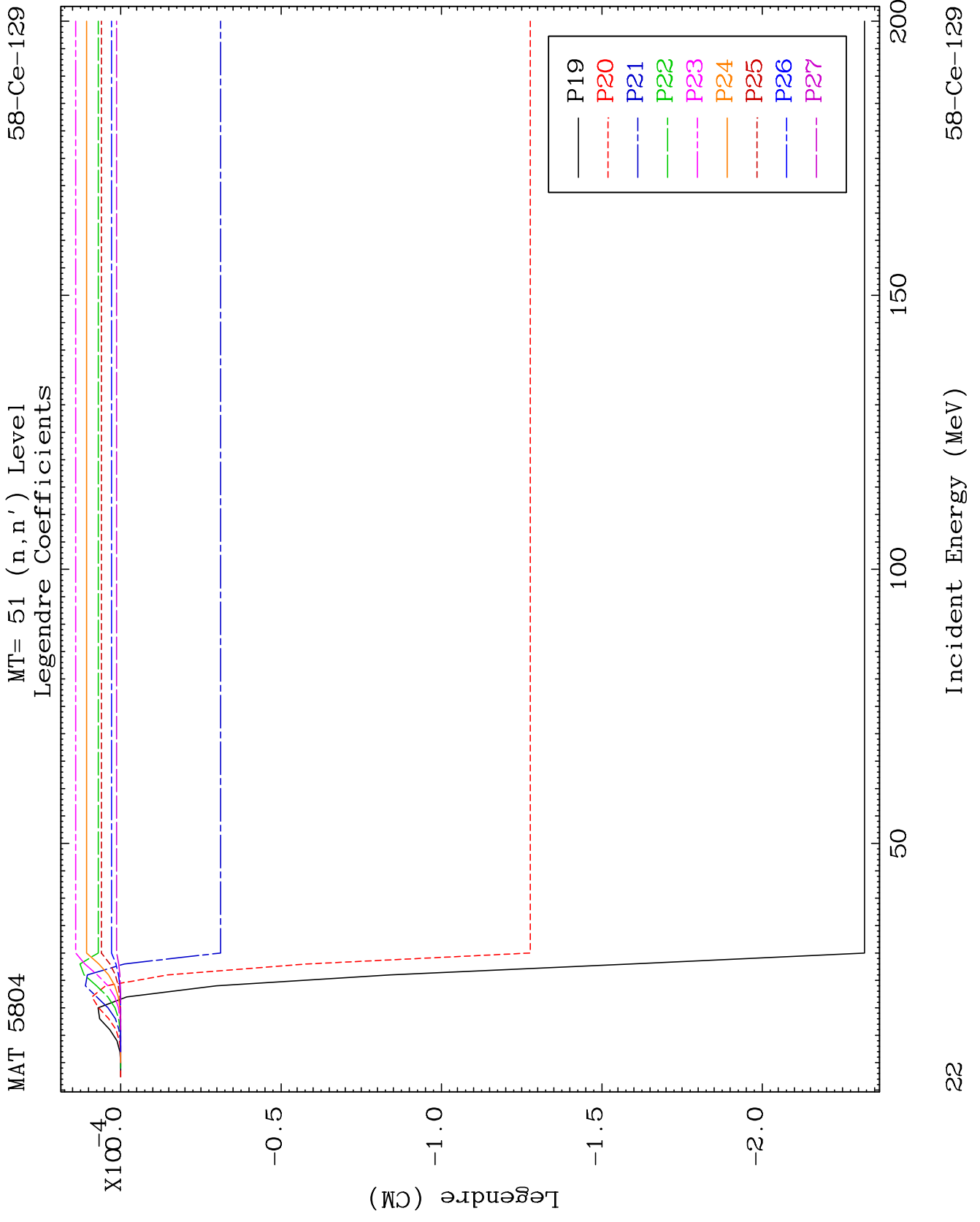
58-Ce-129



21

Incident Energy (MeV)

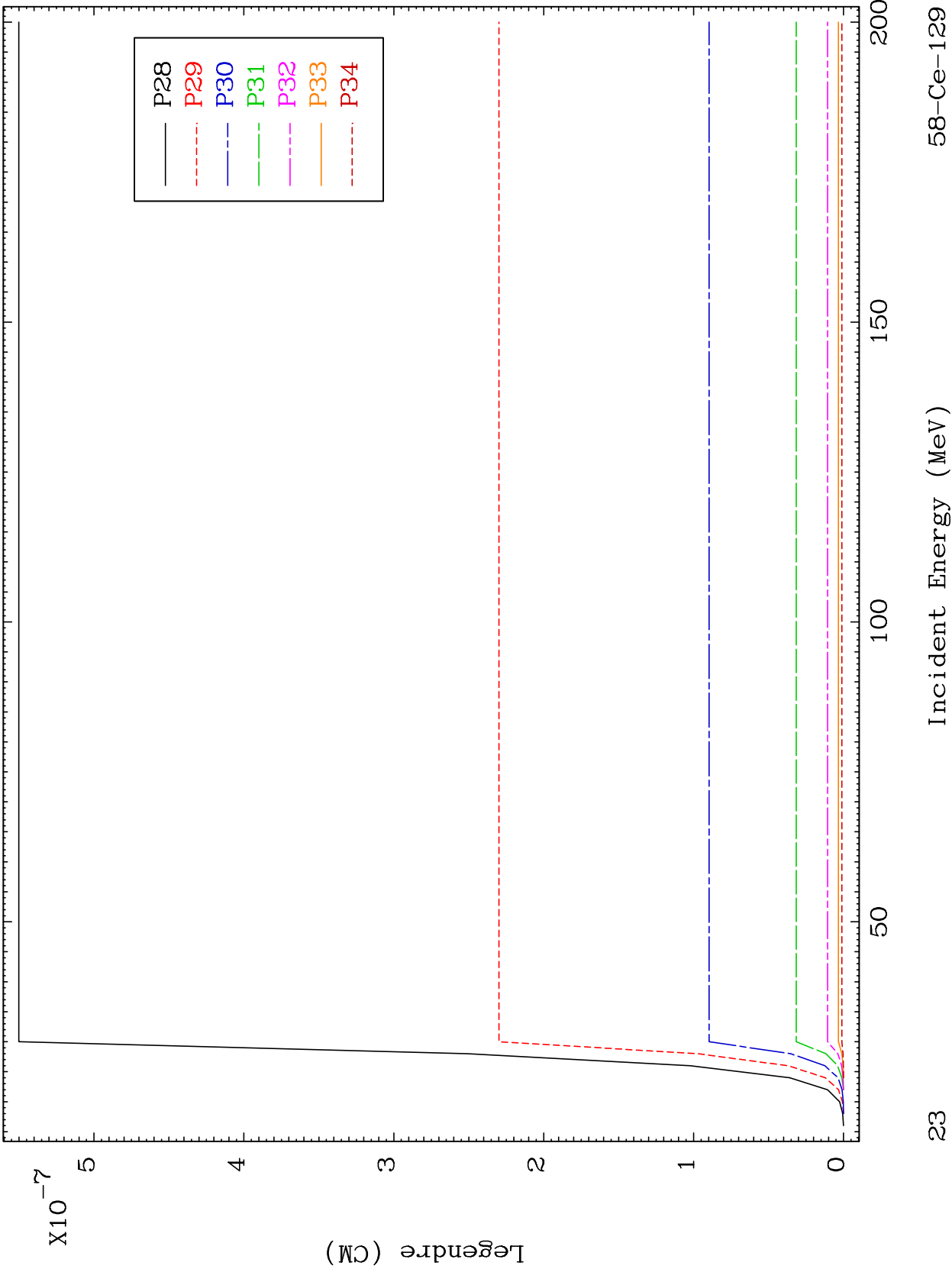
58-Ce-129



MAT 5804

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

58-Ce-129



23

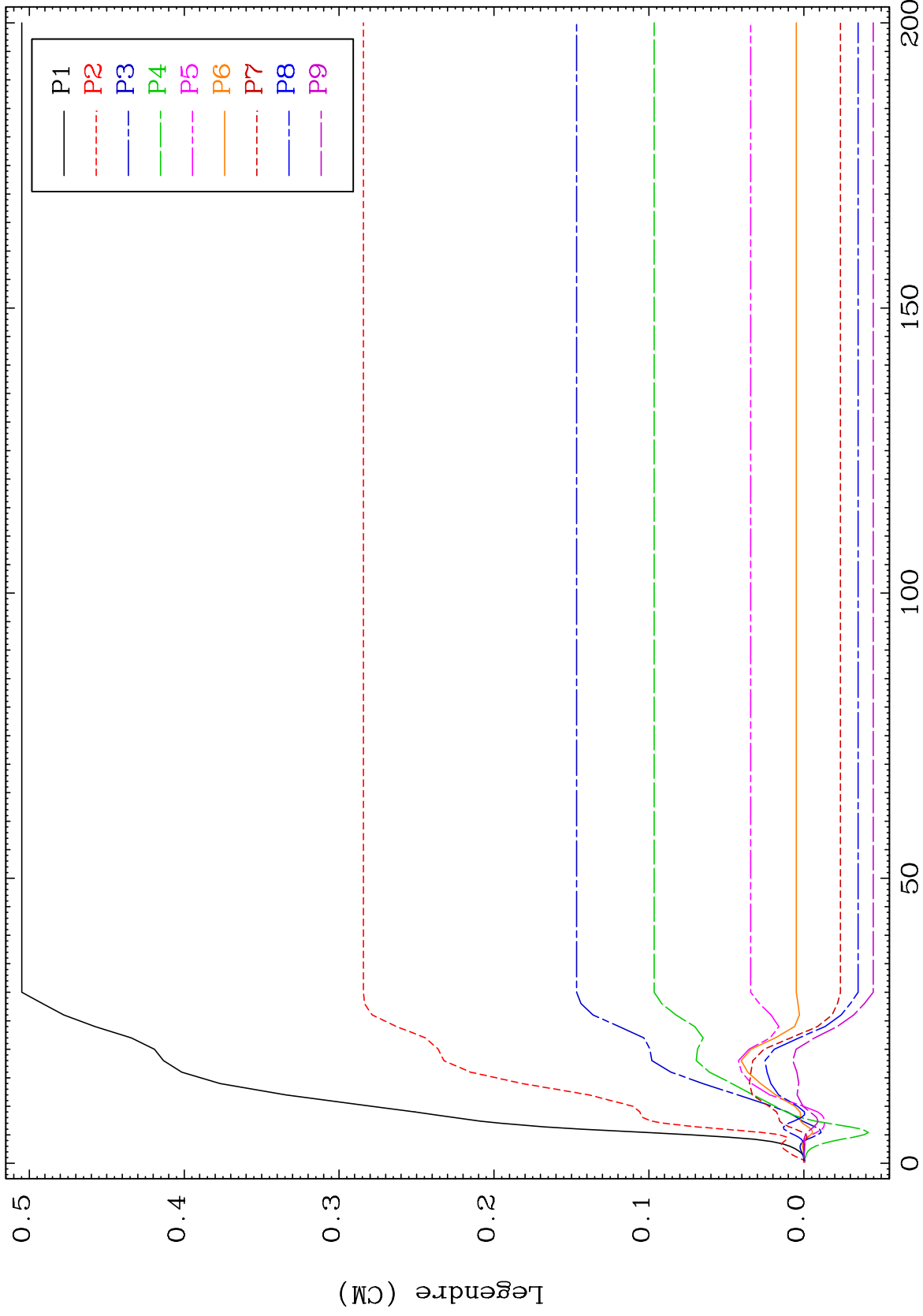
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



24

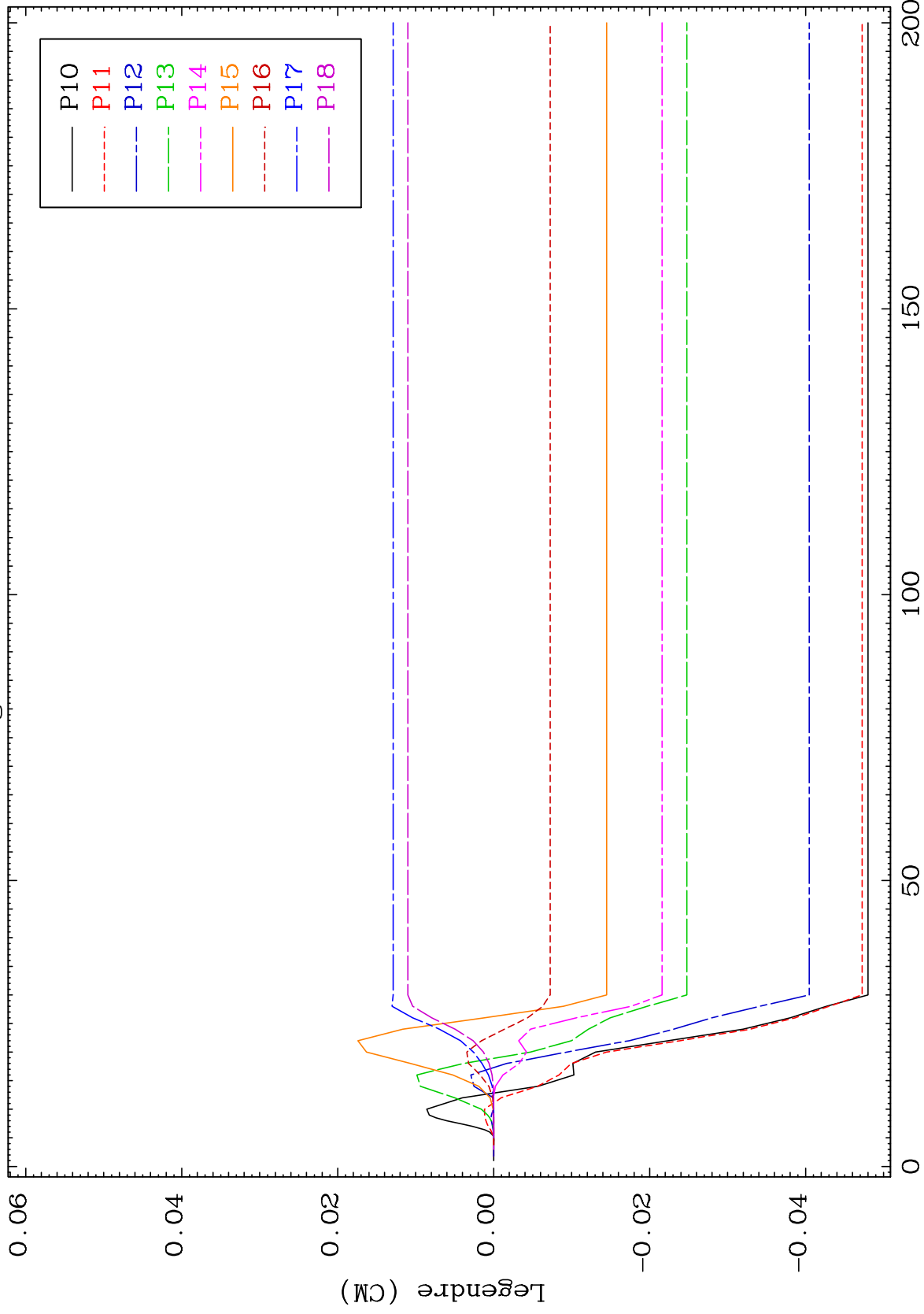
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

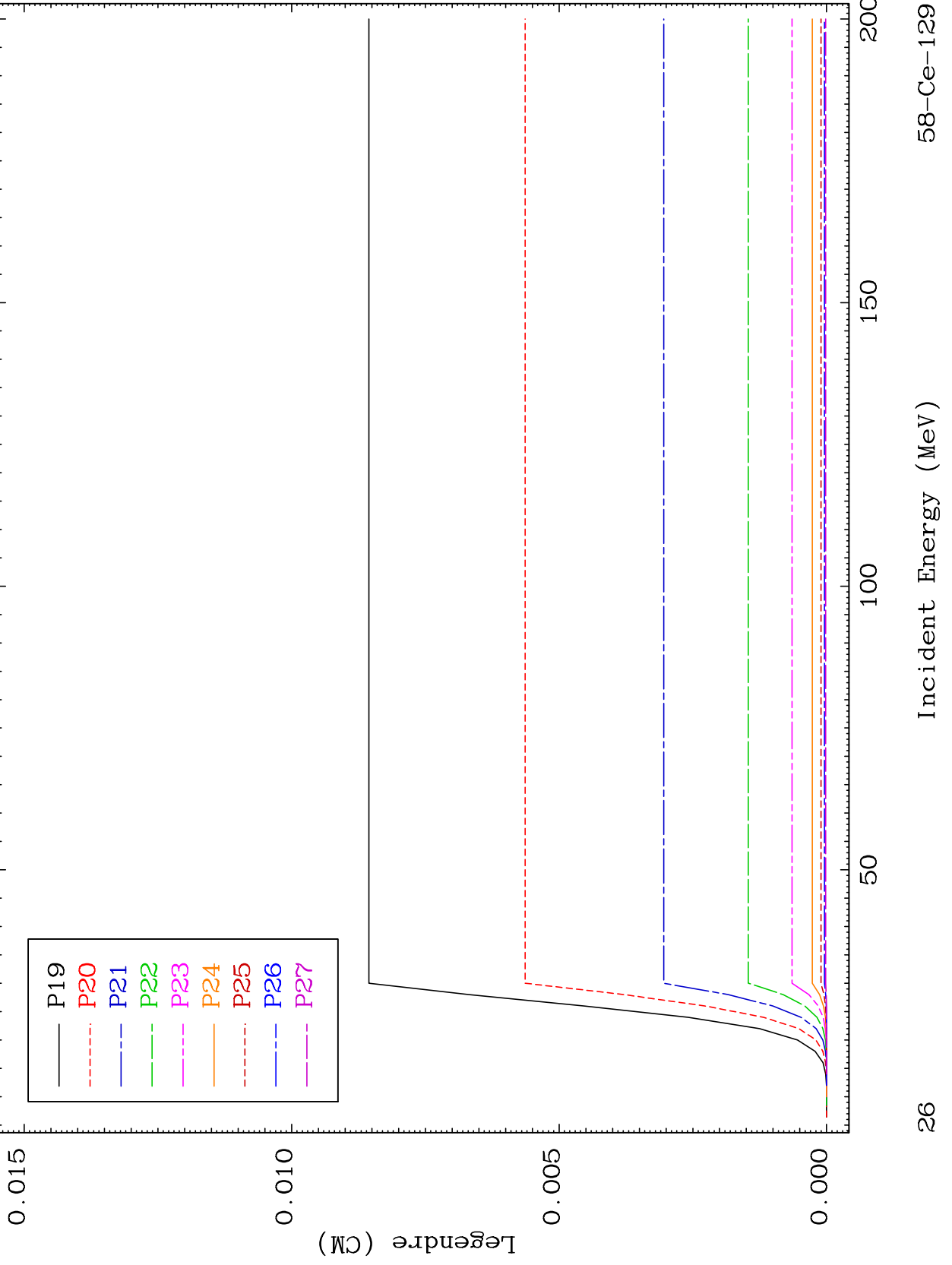
Incident Energy (MeV)

25

MAT 5804

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

58-Ce-129



26

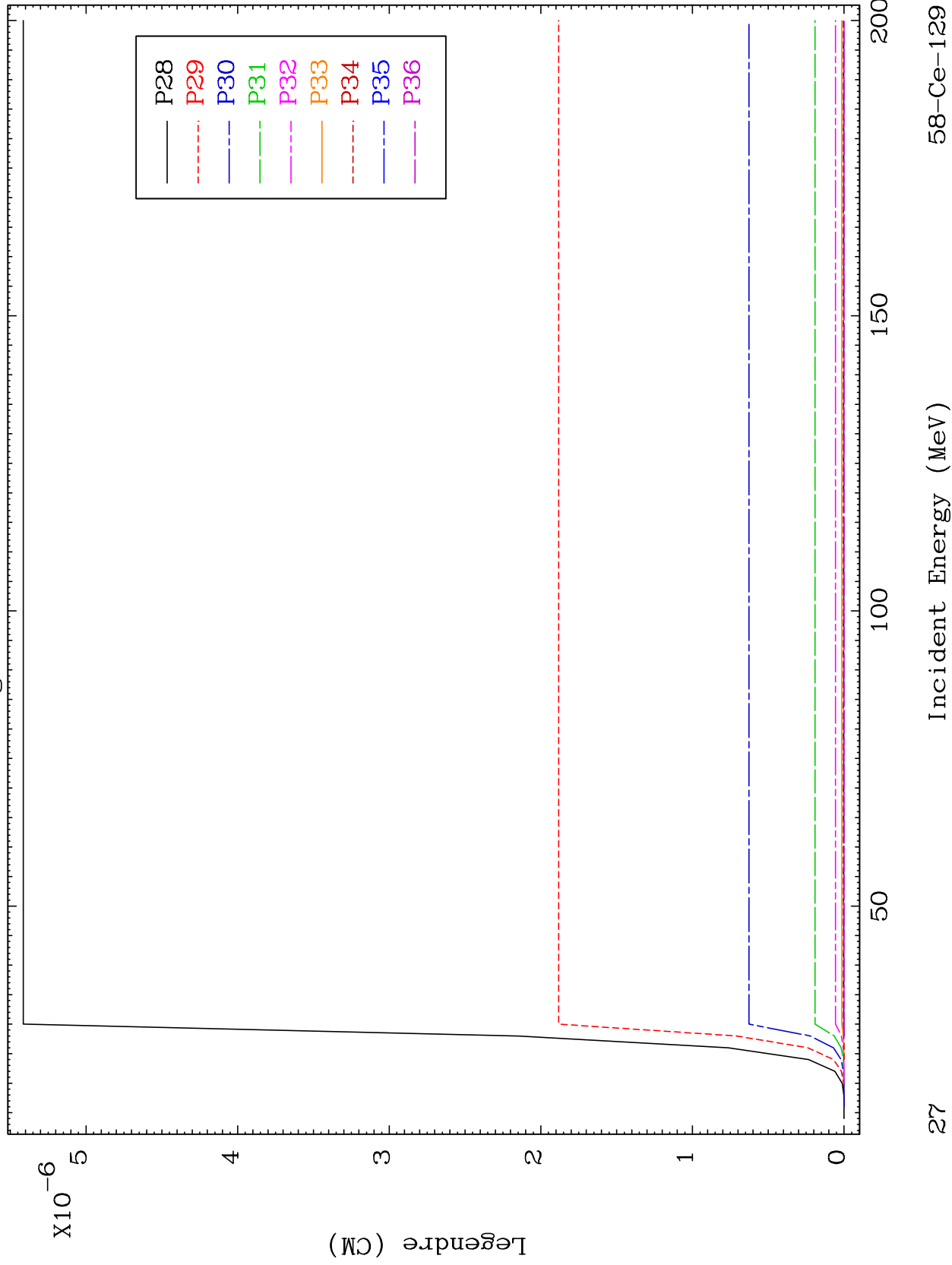
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

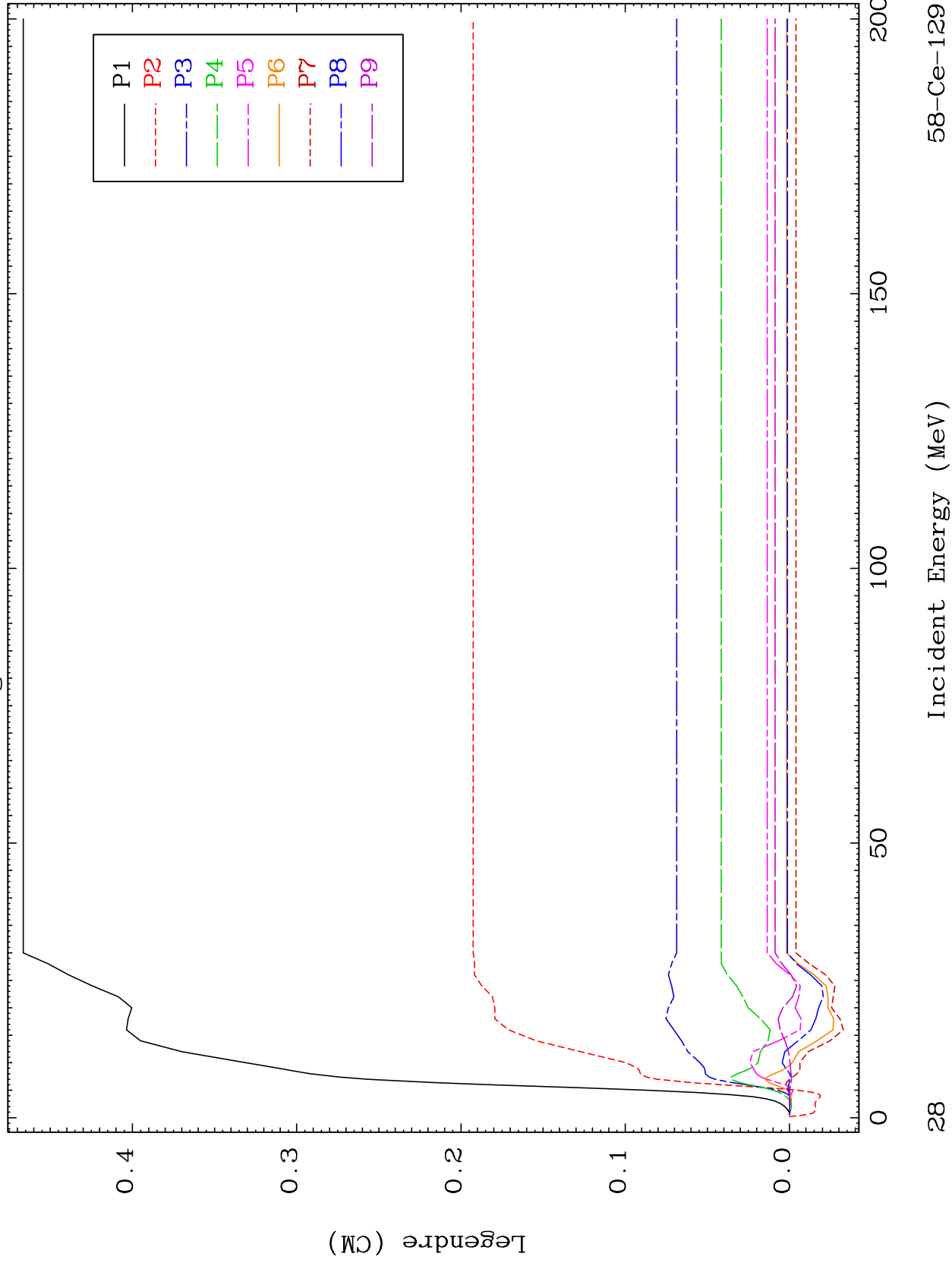
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

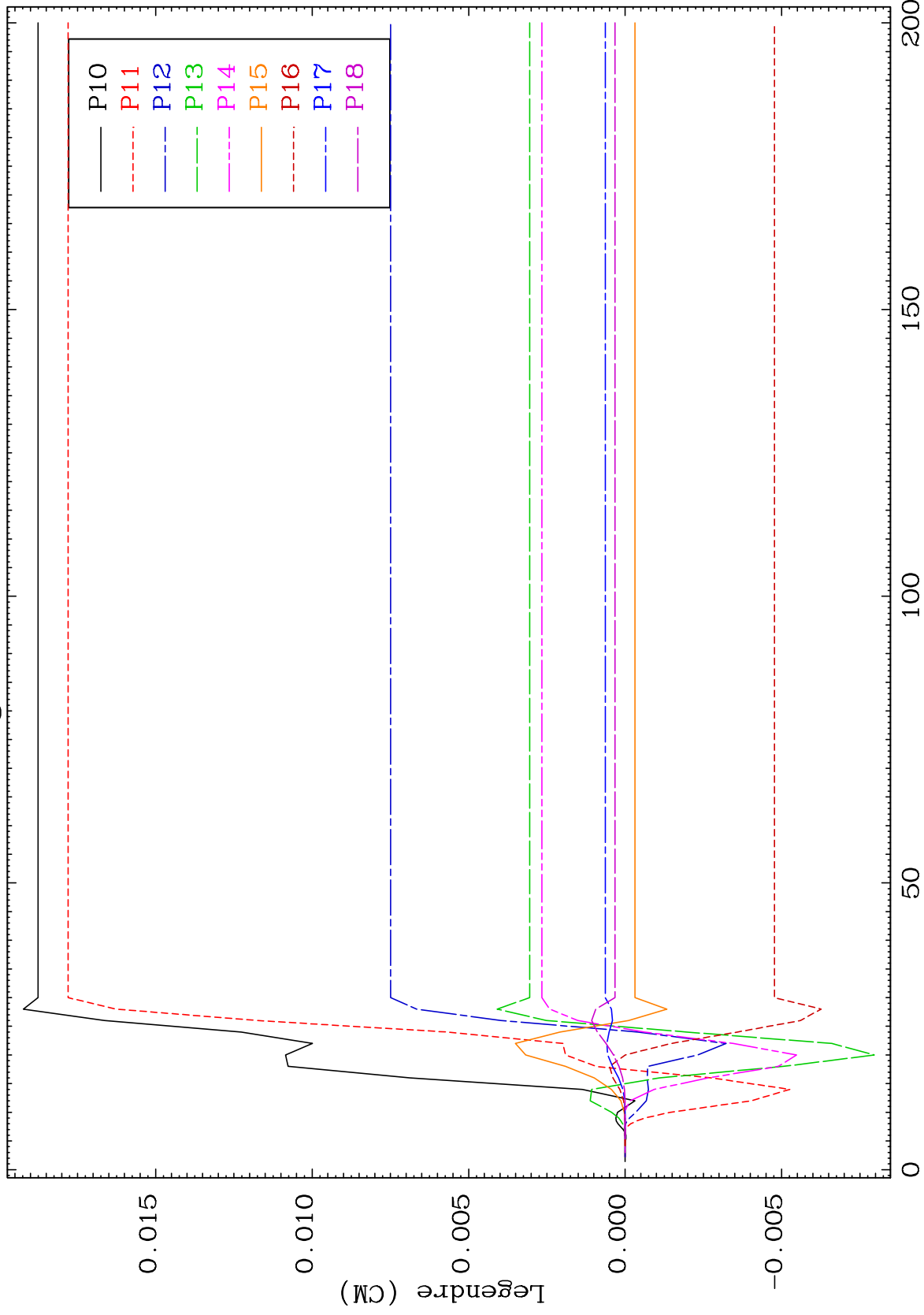
Incident Energy (MeV)

28

MAT 5804

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

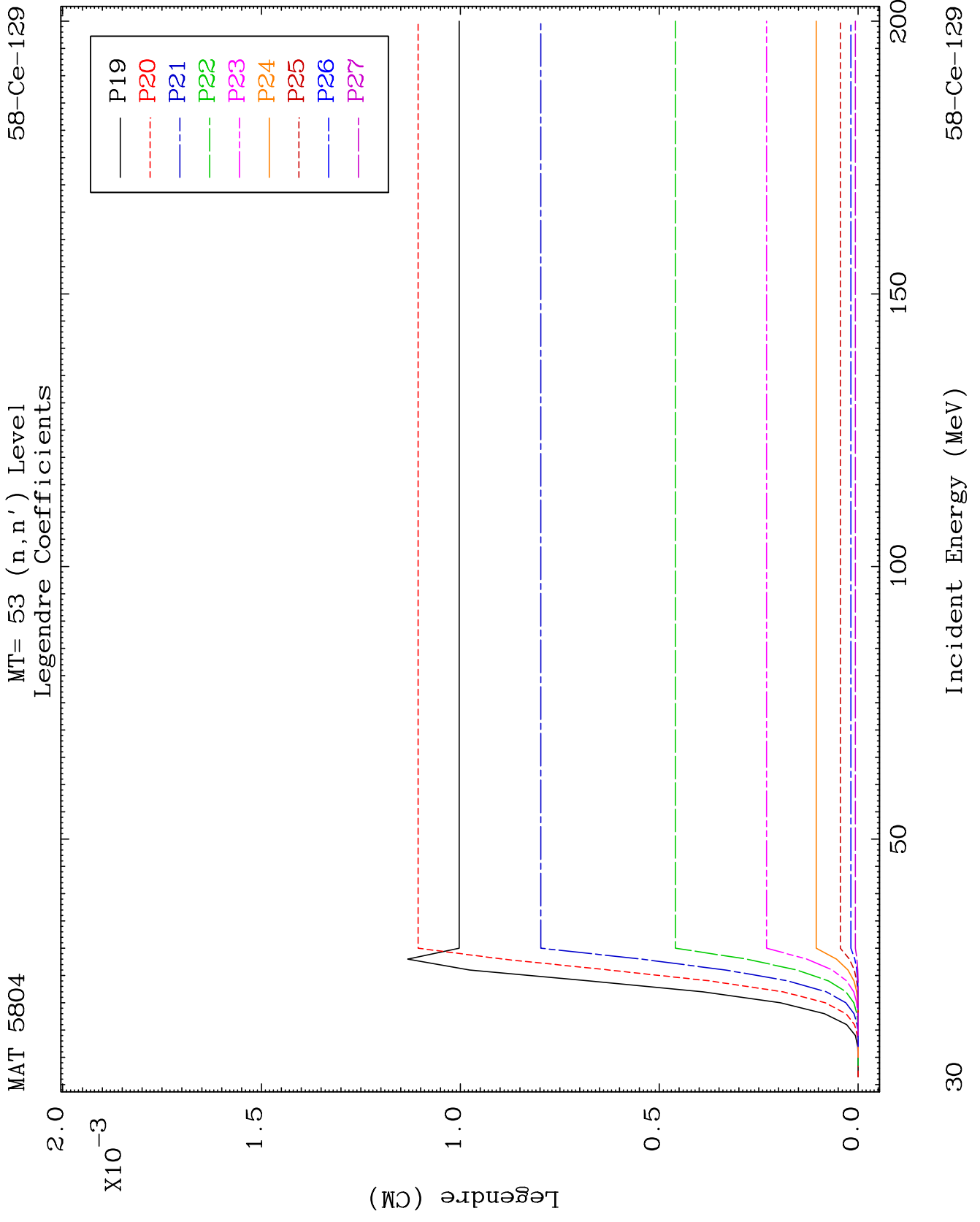
58-Ce-129



29

Incident Energy (MeV)

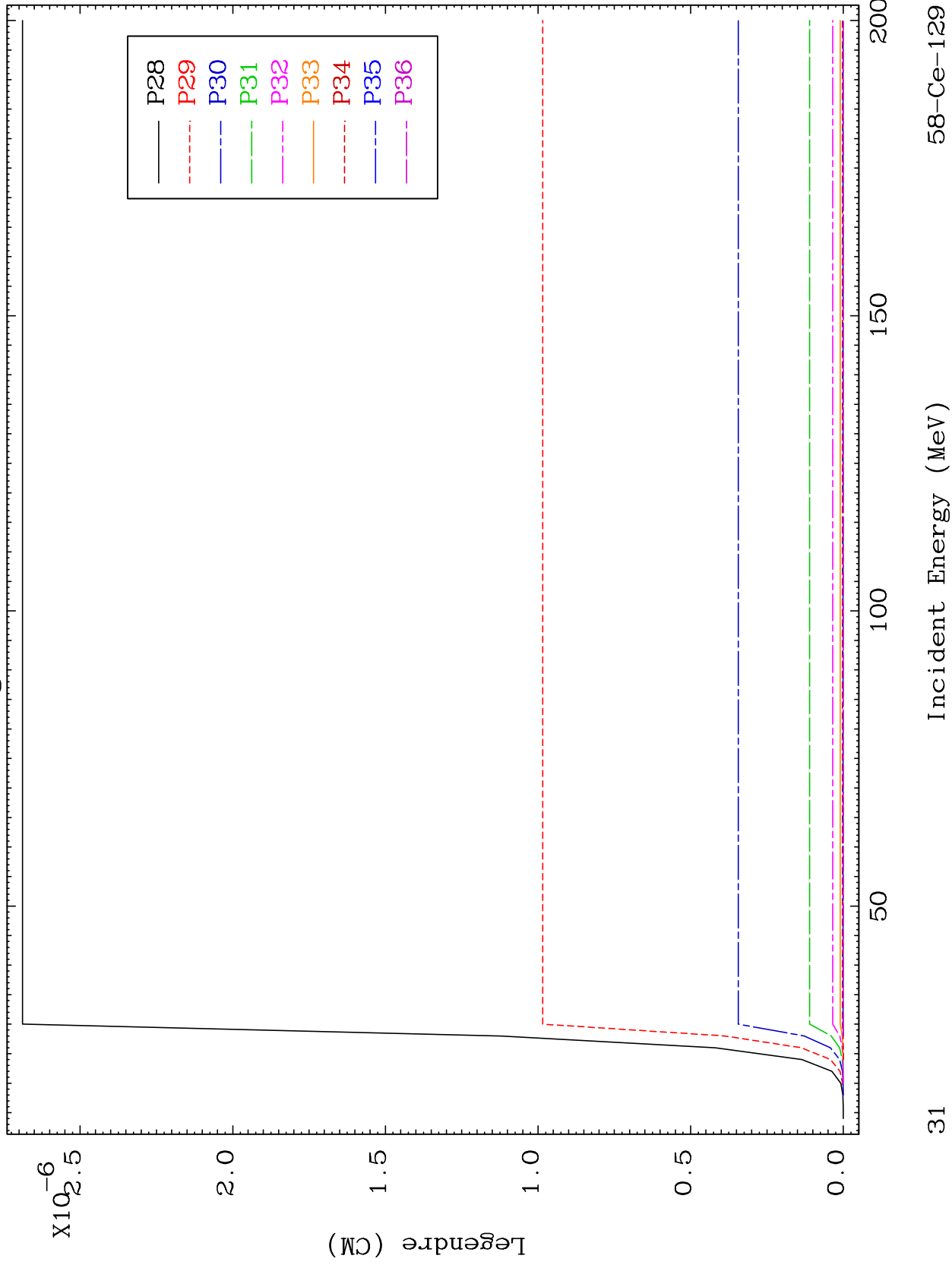
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MAT 5804

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

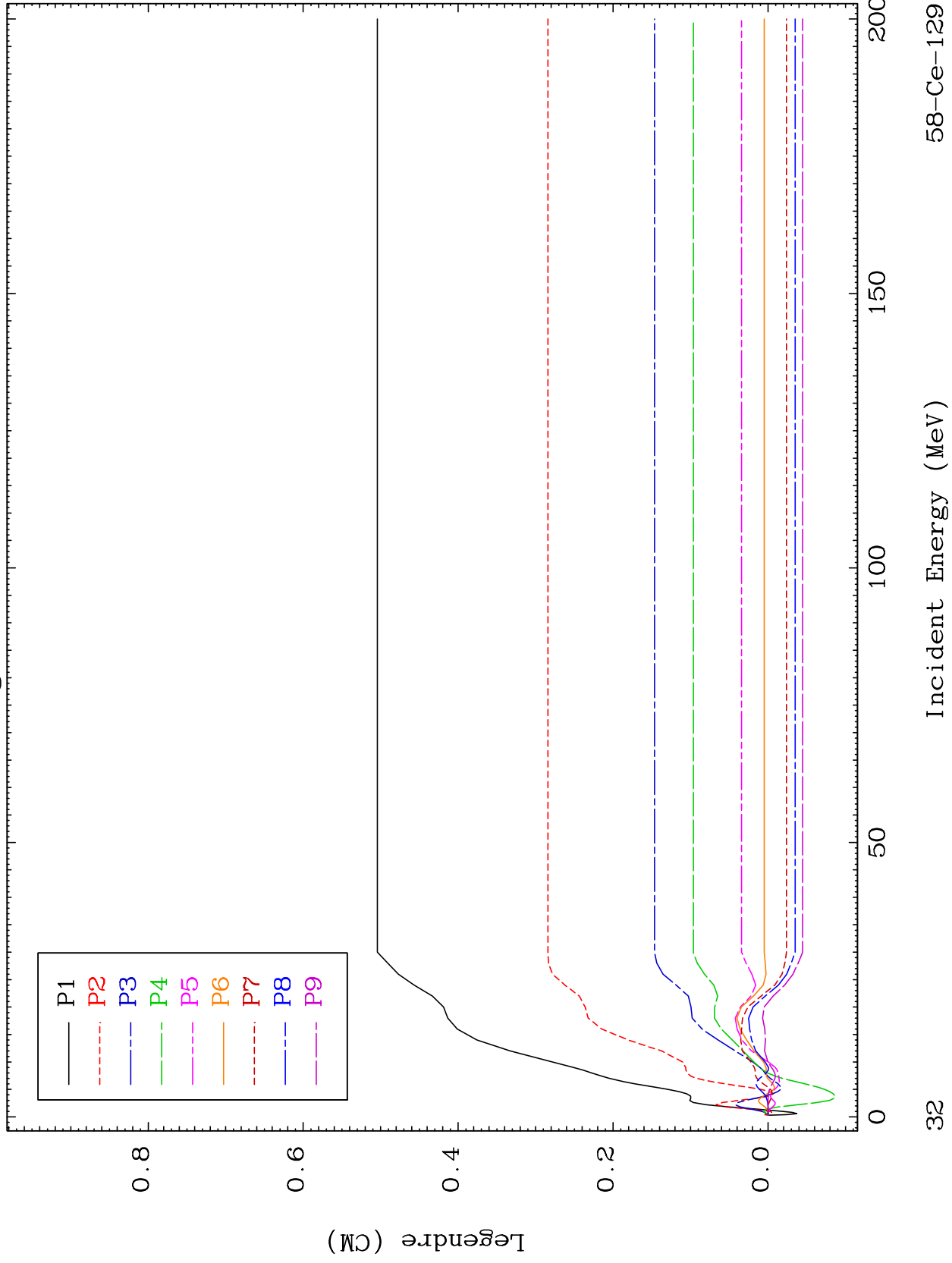
58-Ce-129



MAT 5804

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

58-Ce-129



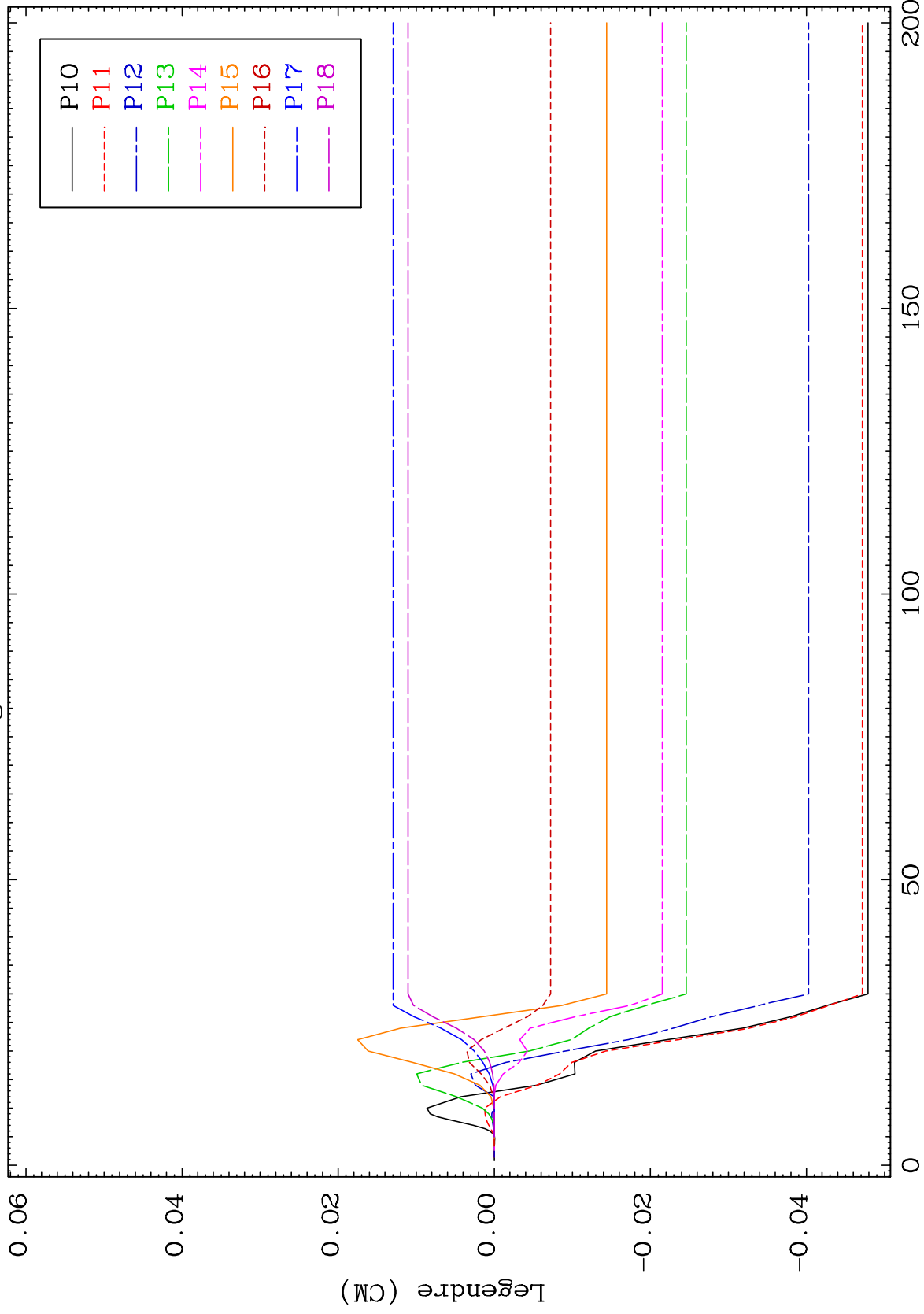
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58-Ce-129

MAT 5804

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

58-Ce-129



33

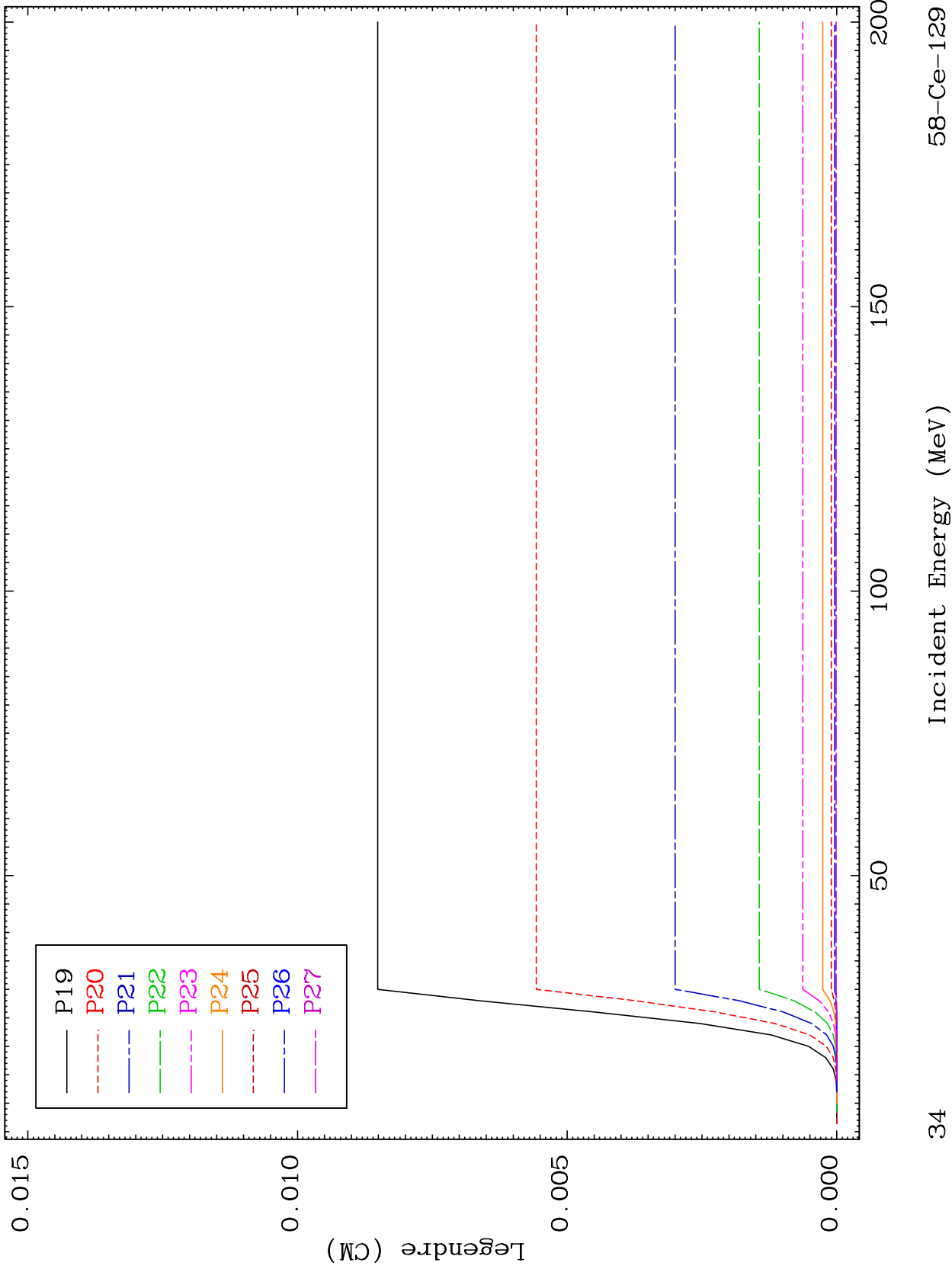
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



34

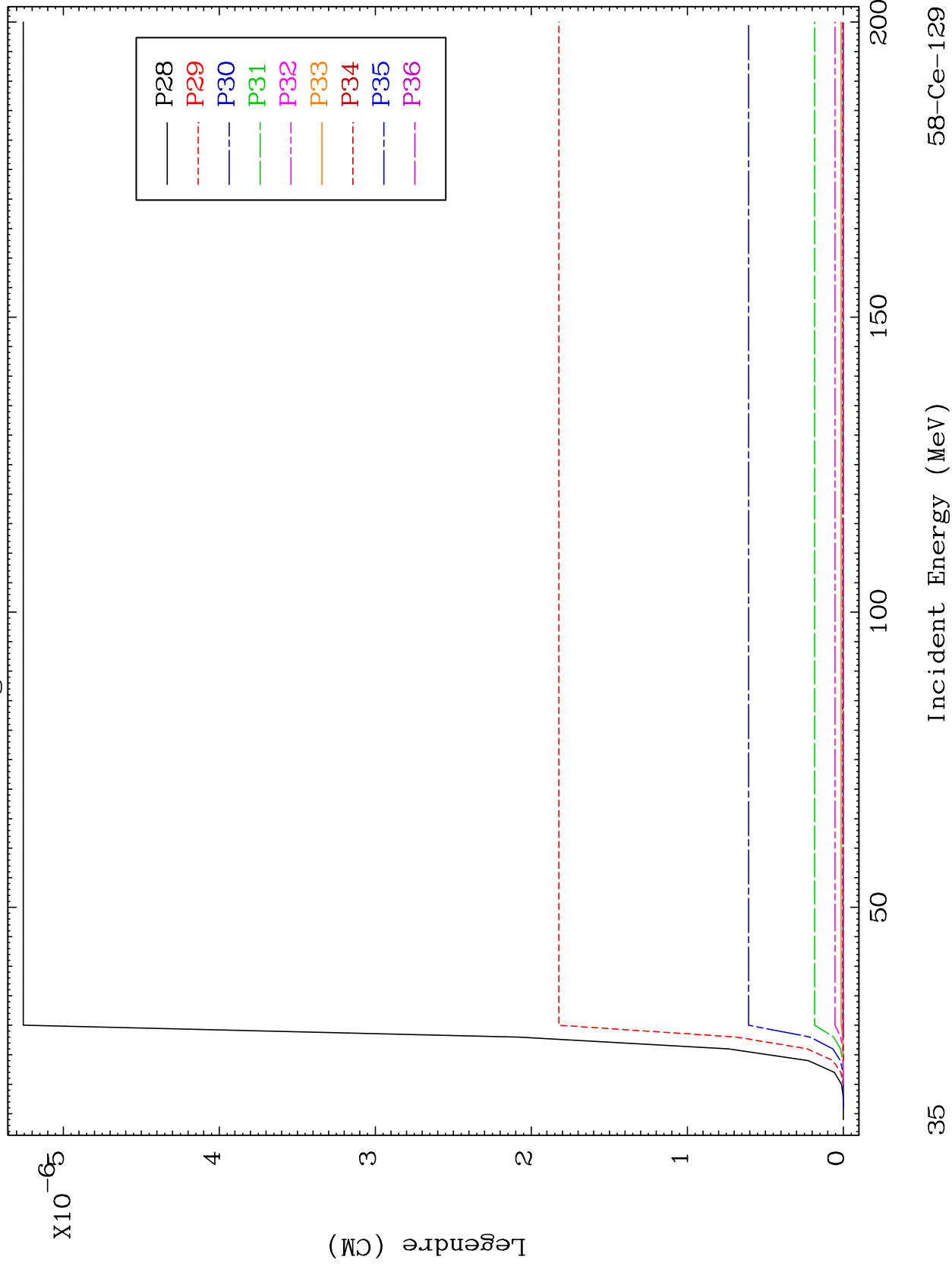
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

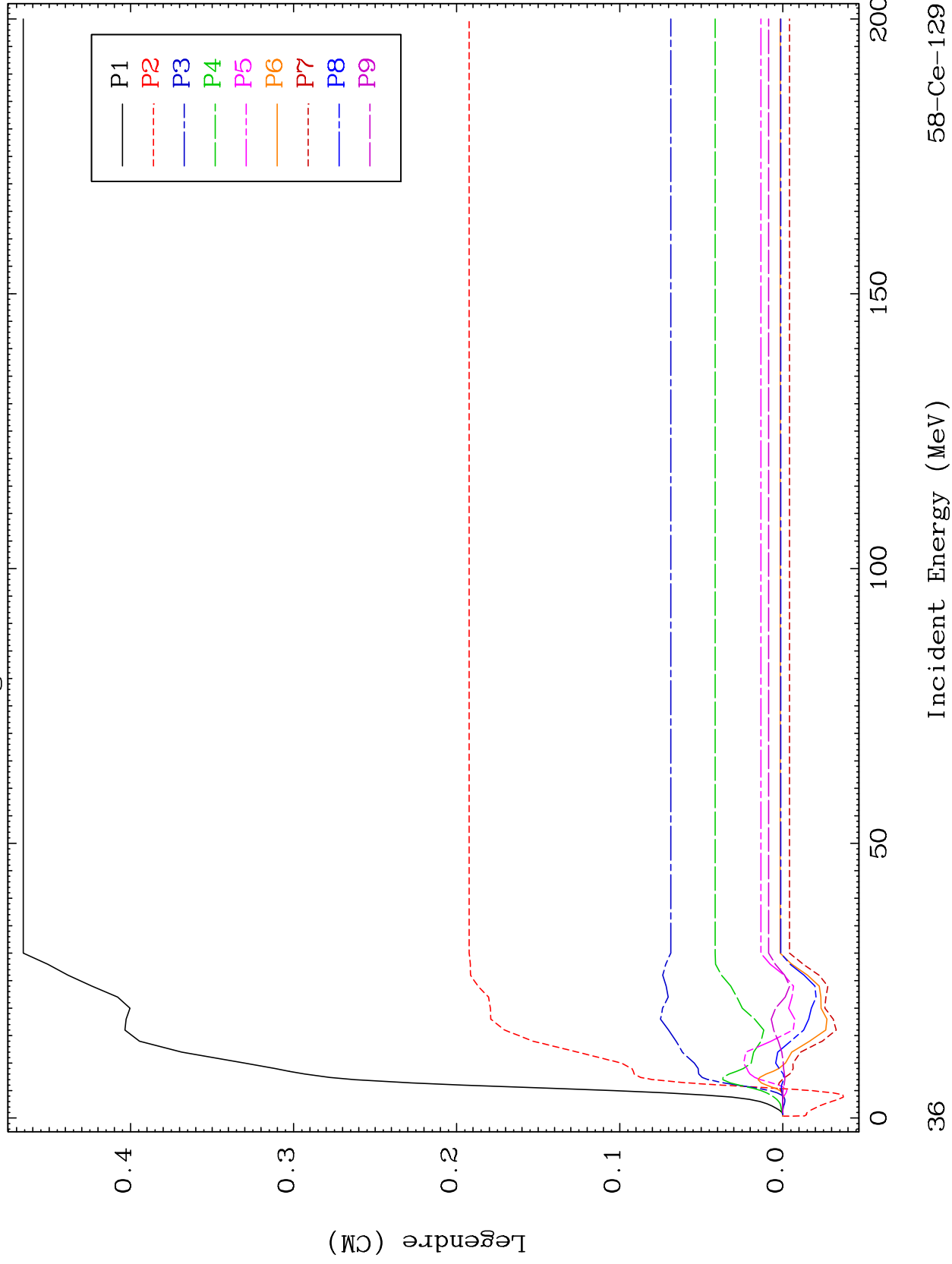
Incident Energy (MeV)

35

MAT 5804

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

58-Ce-129



58-Ce-129

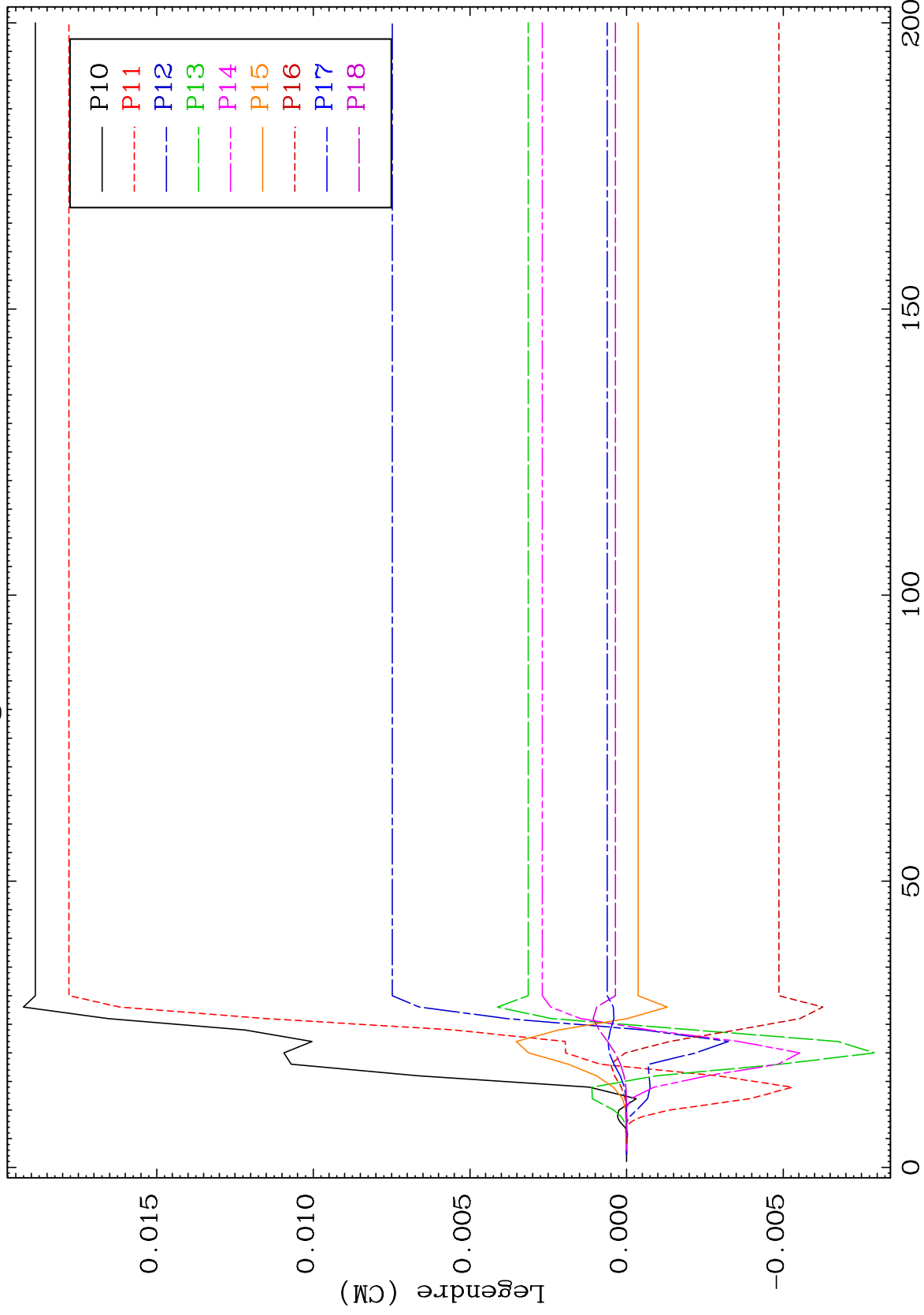
Incident Energy (MeV)

36

MAT 5804

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

58-Ce-129



37

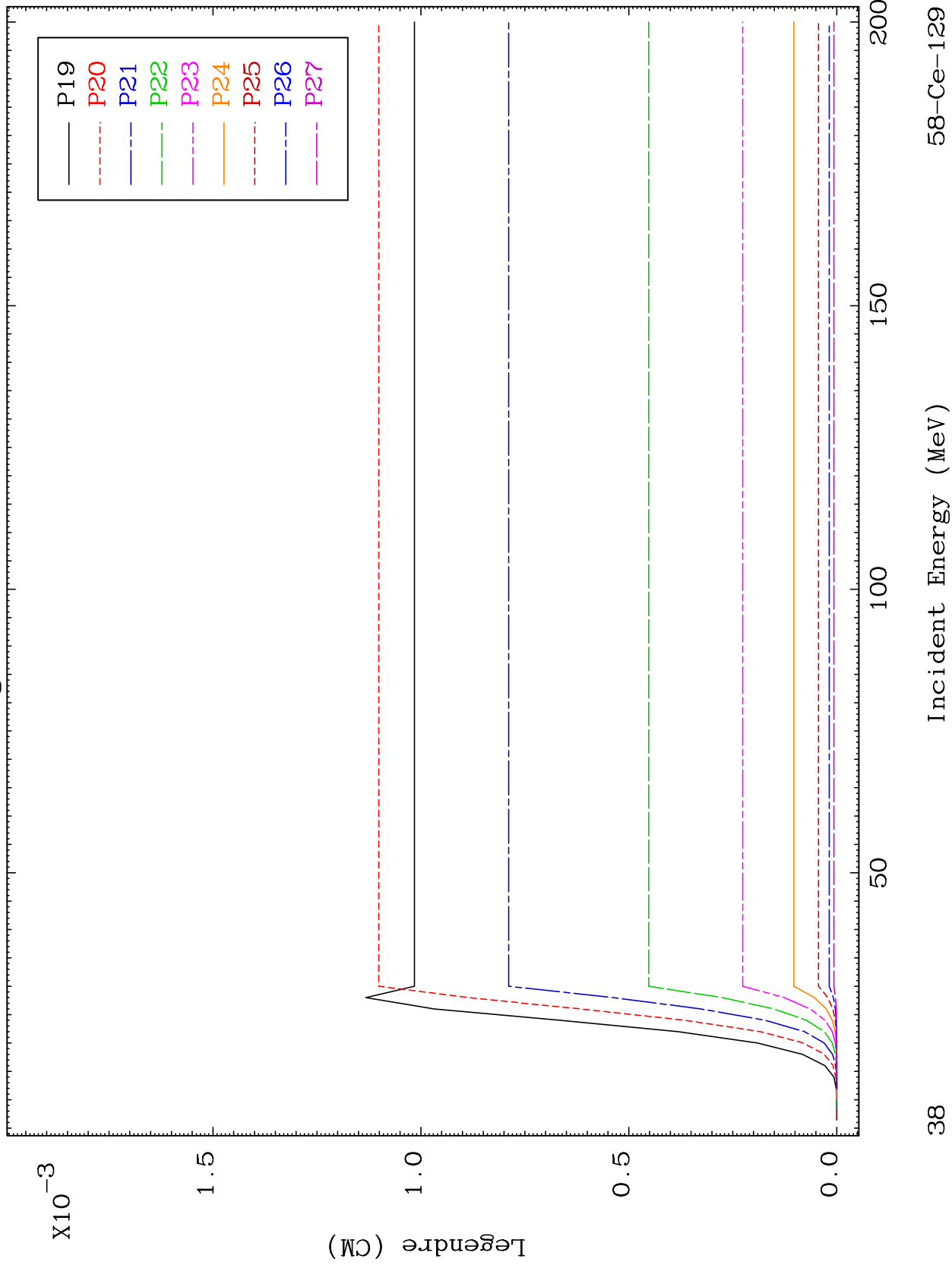
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

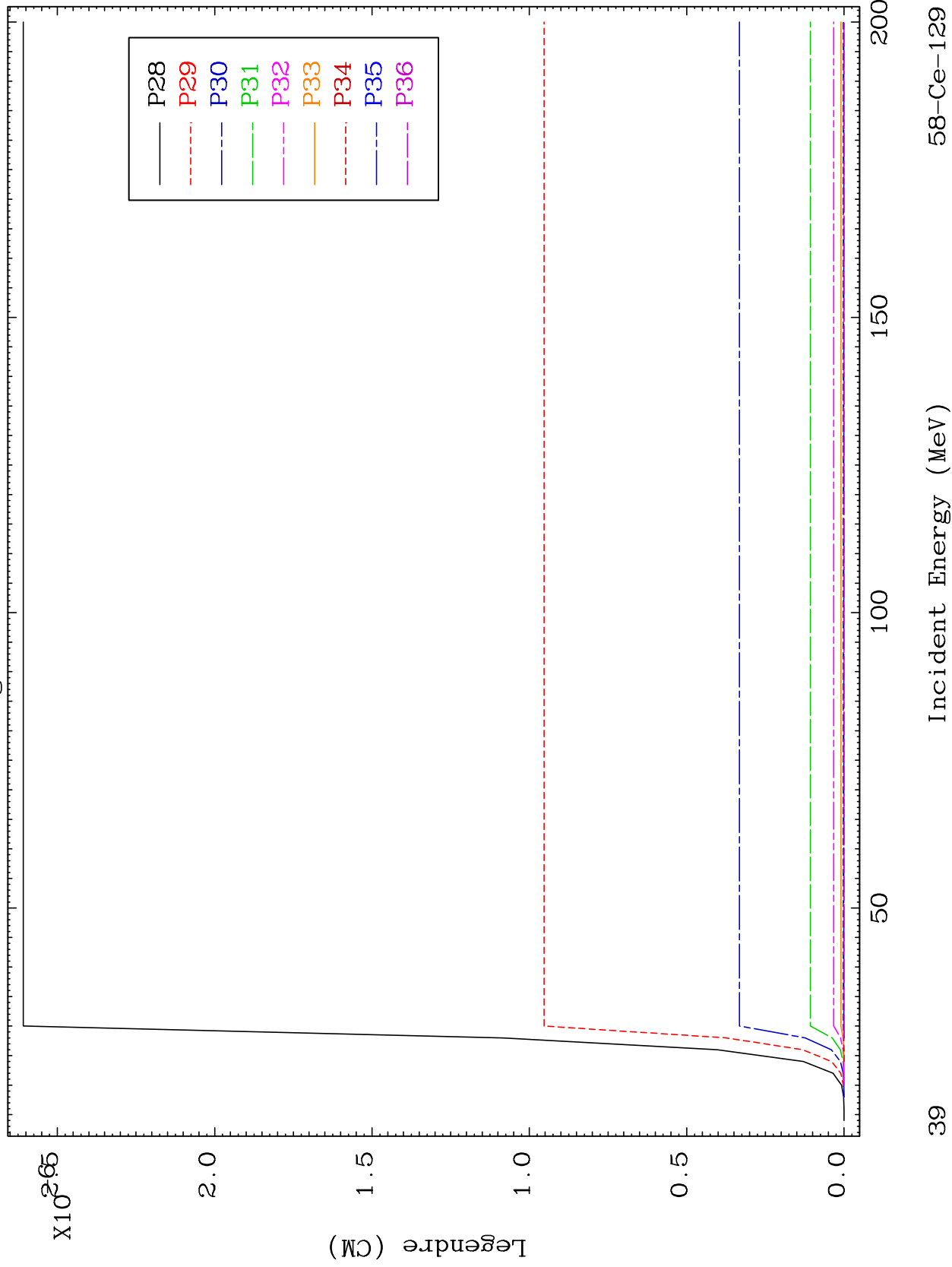
58-Ce-129



MAT 5804

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

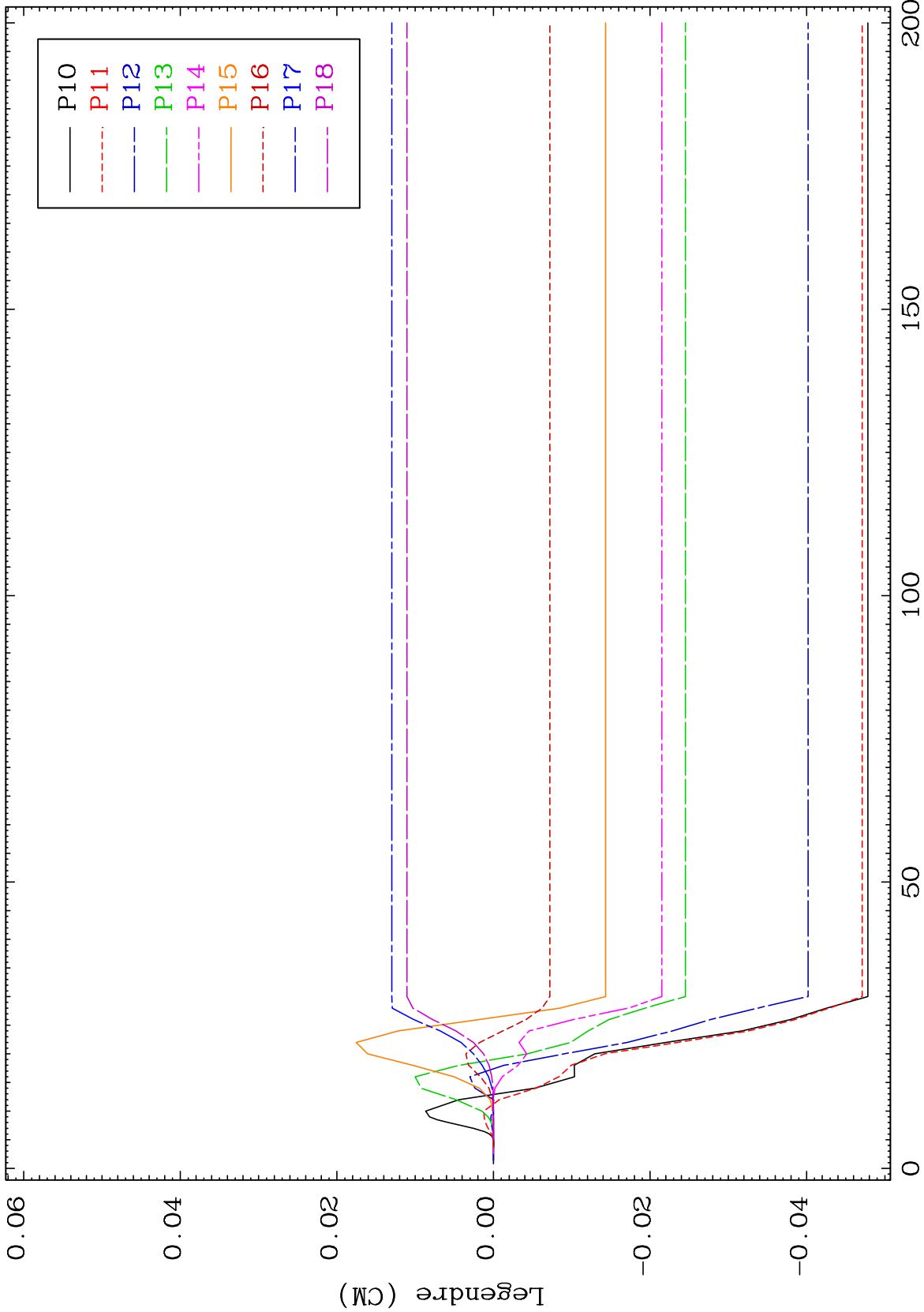
58-Ce-129



MAT 5804

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

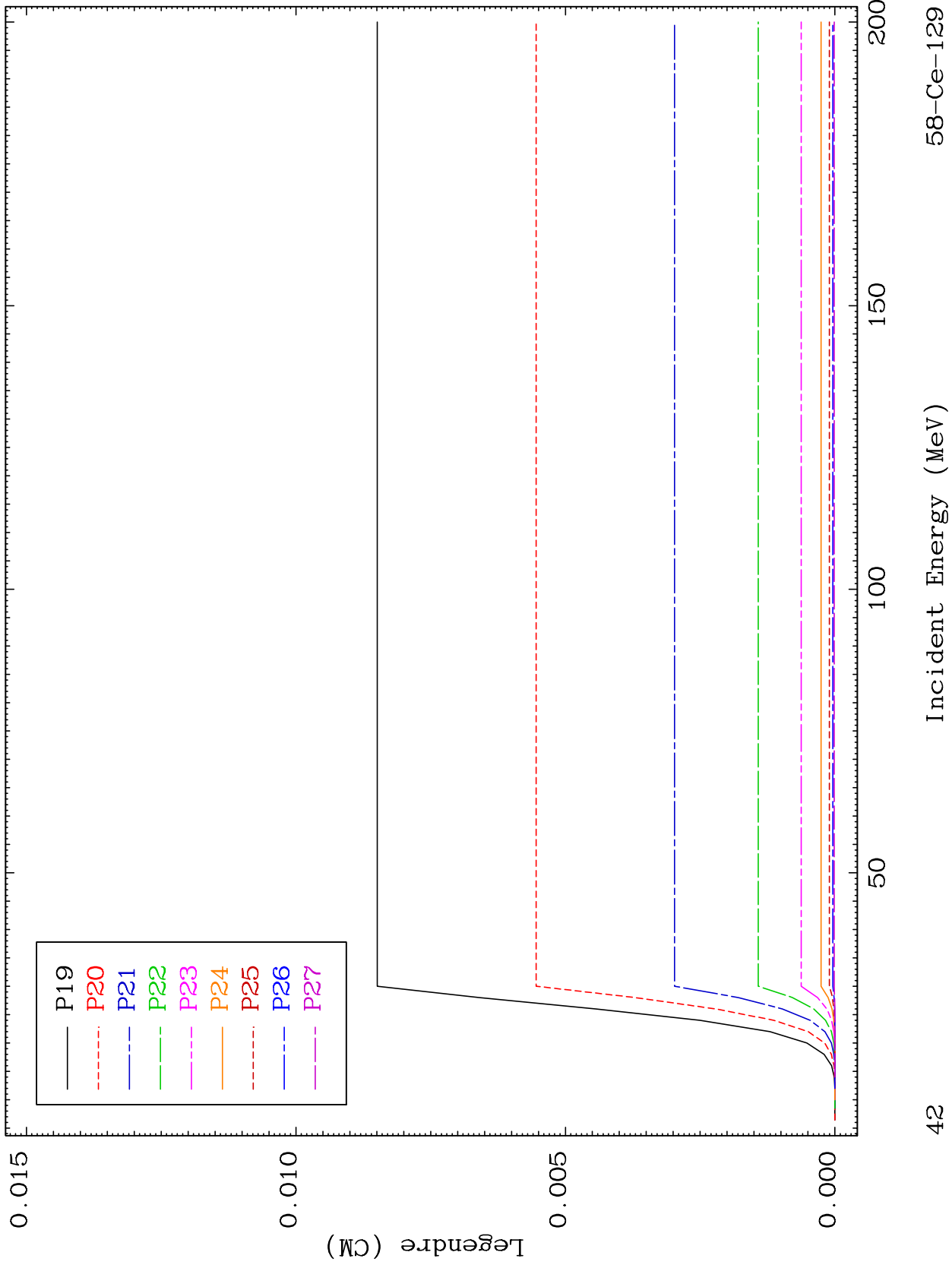
58-Ce-129



MAT 5804

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

58-Ce-129



42

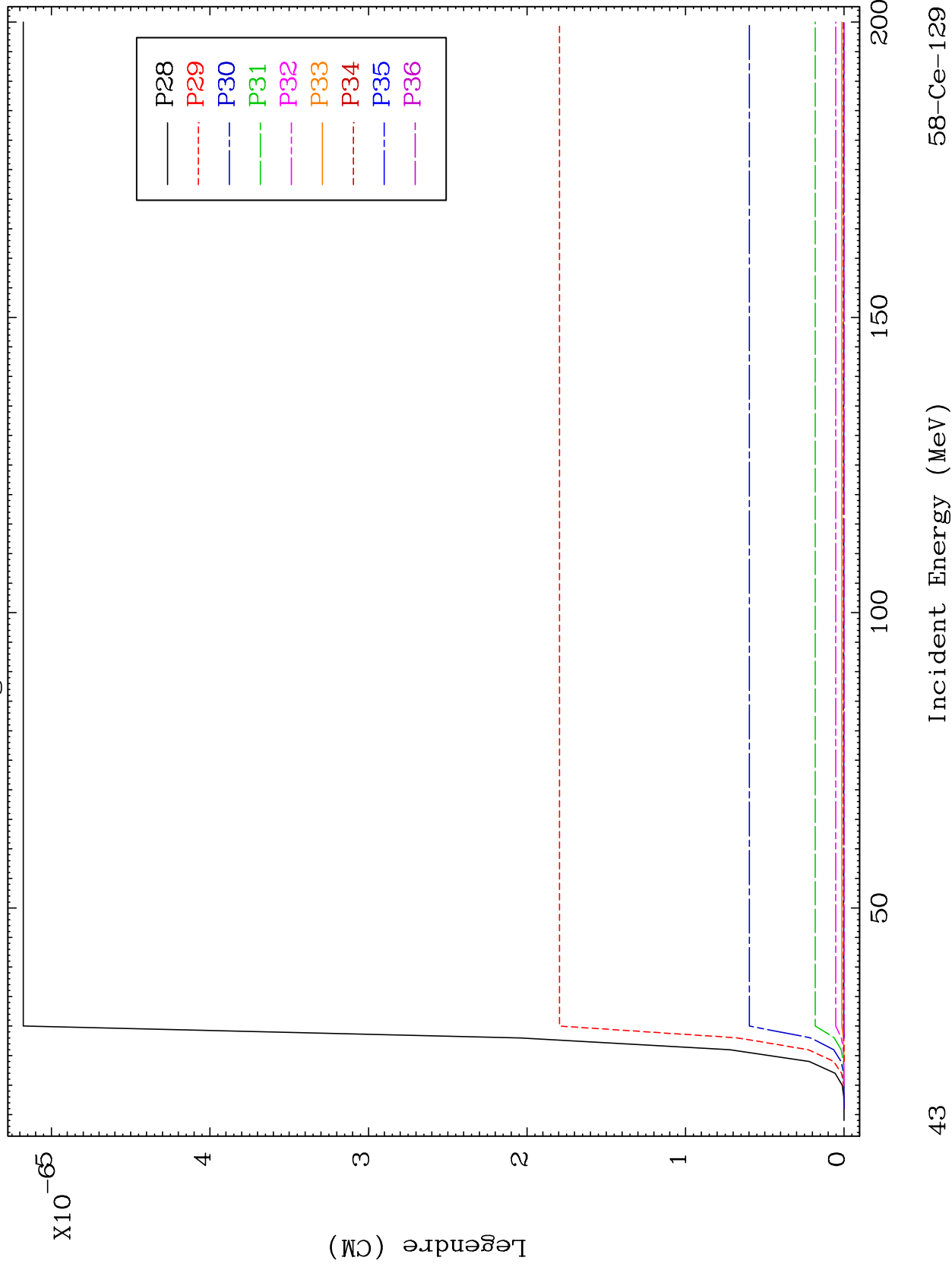
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

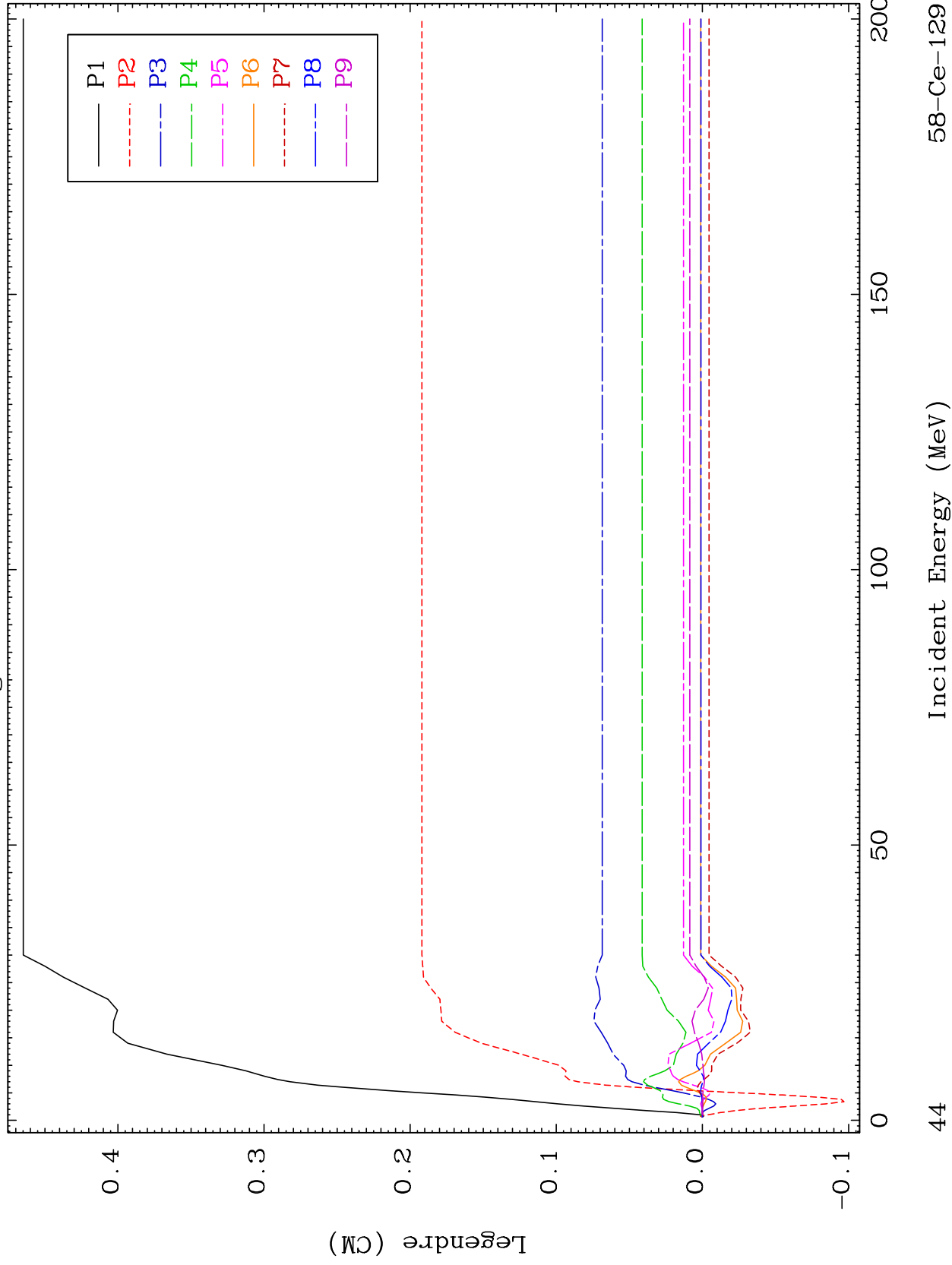
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

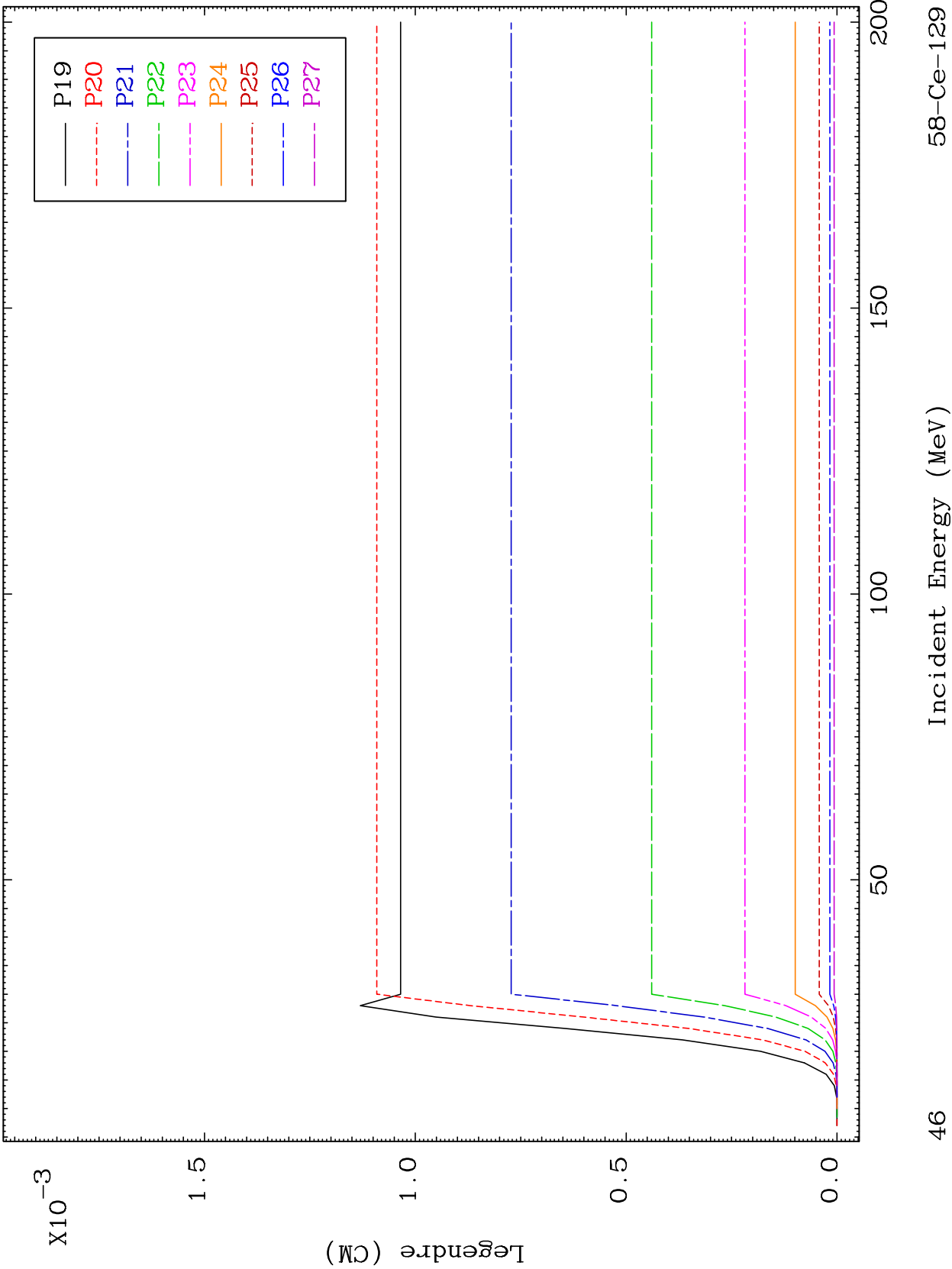
Incident Energy (MeV)

44

MAT 5804

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

58-Ce-129



46

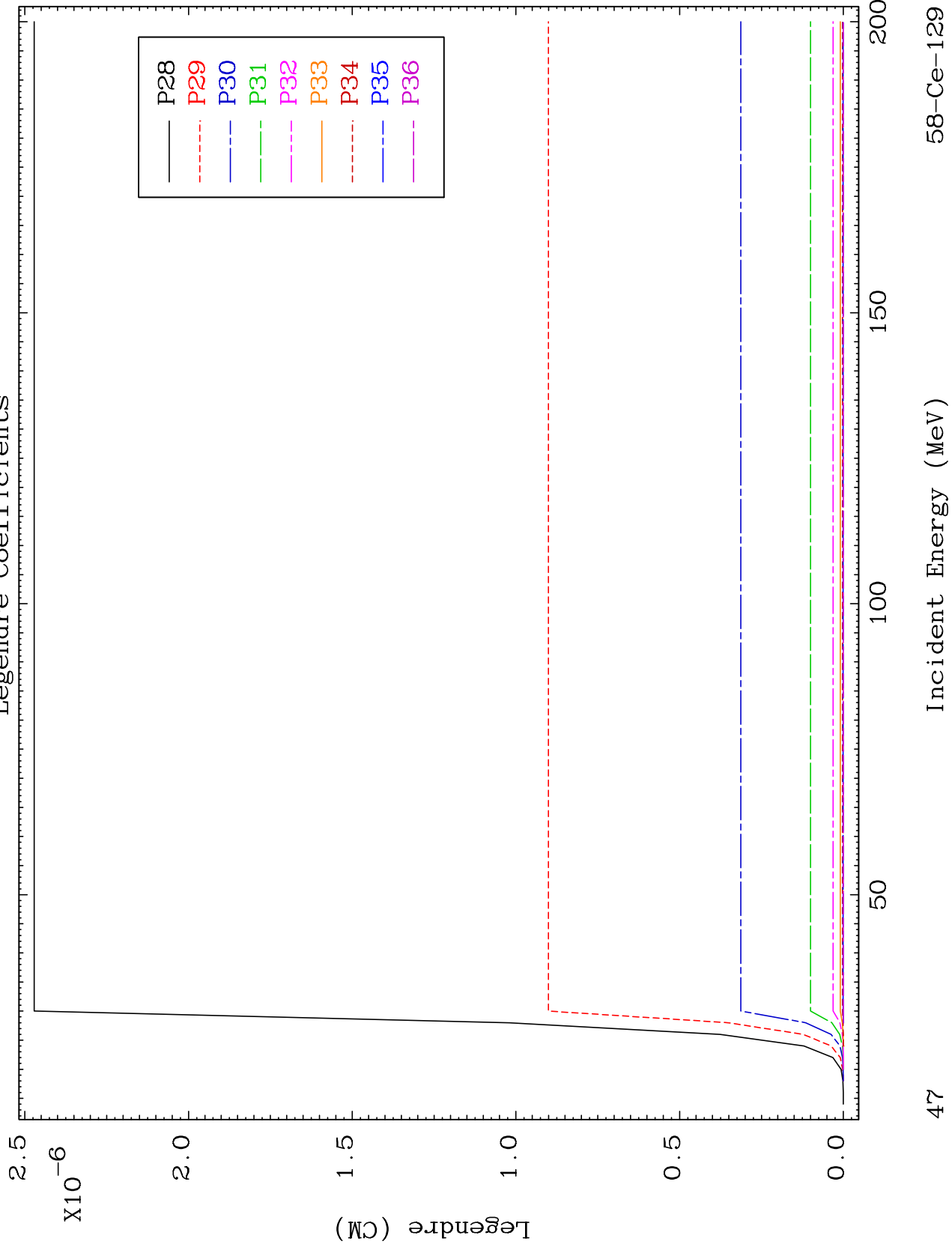
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



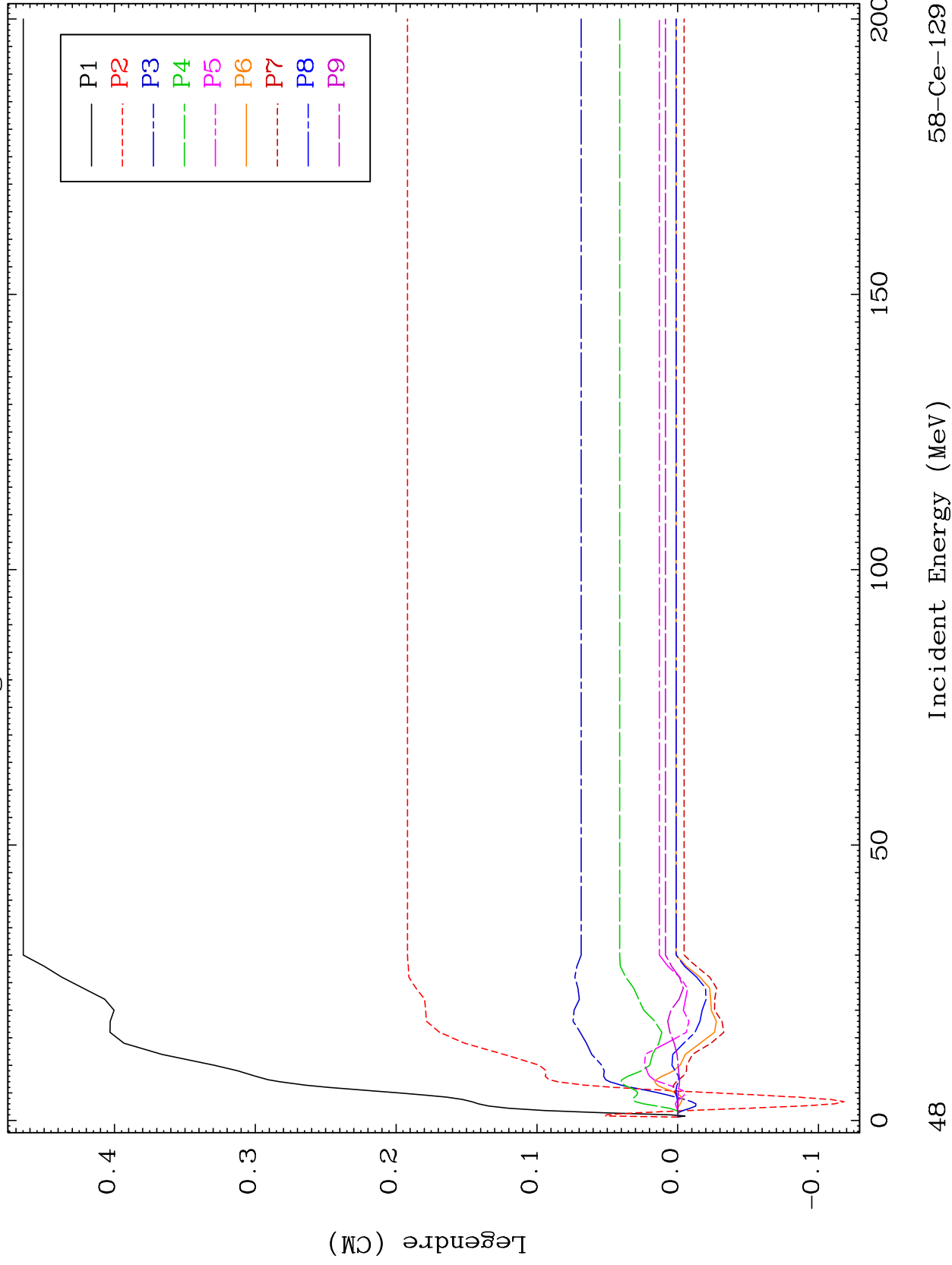
47

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

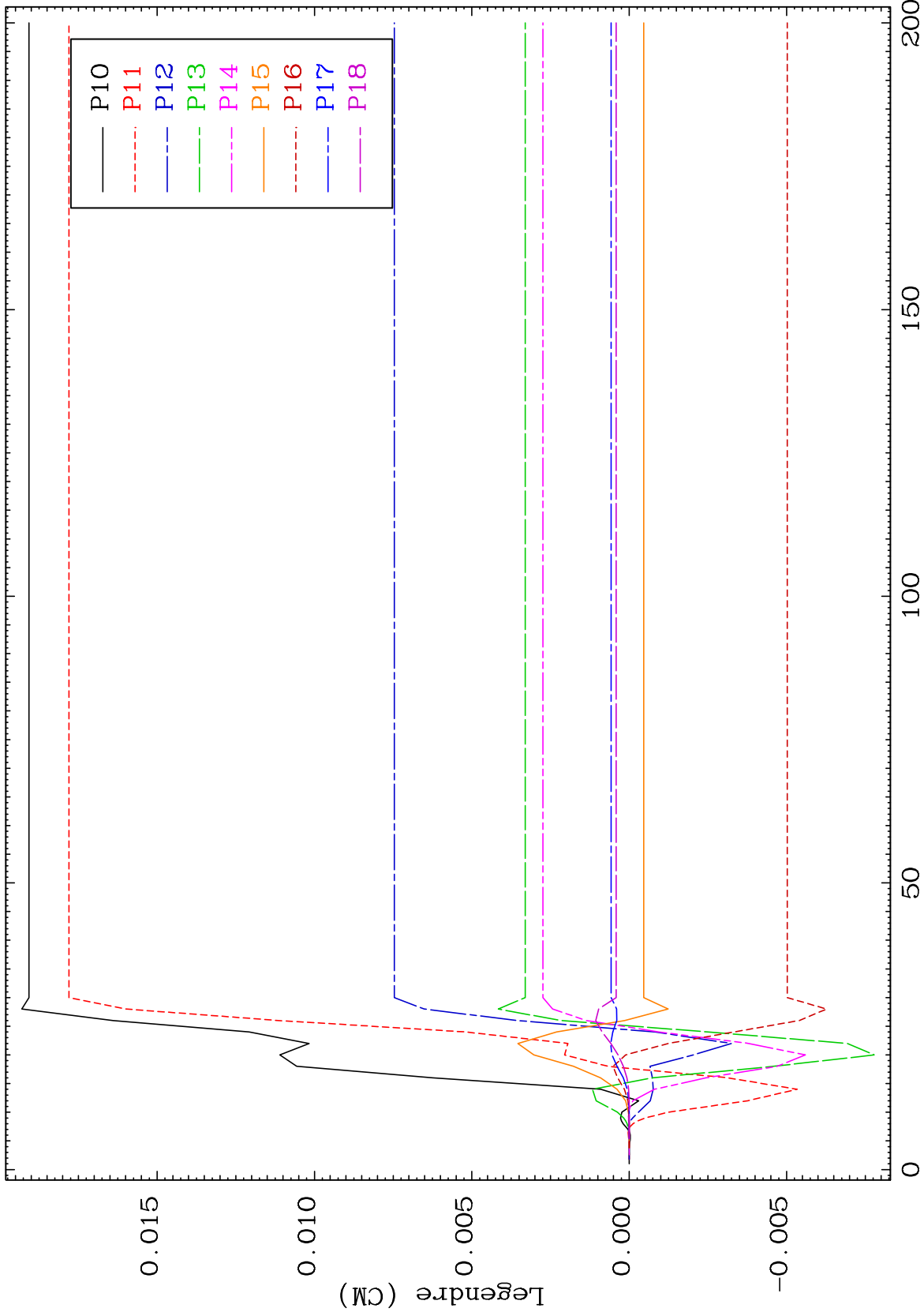
Incident Energy (MeV)

48

MAT 5804

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

58-Ce-129



49

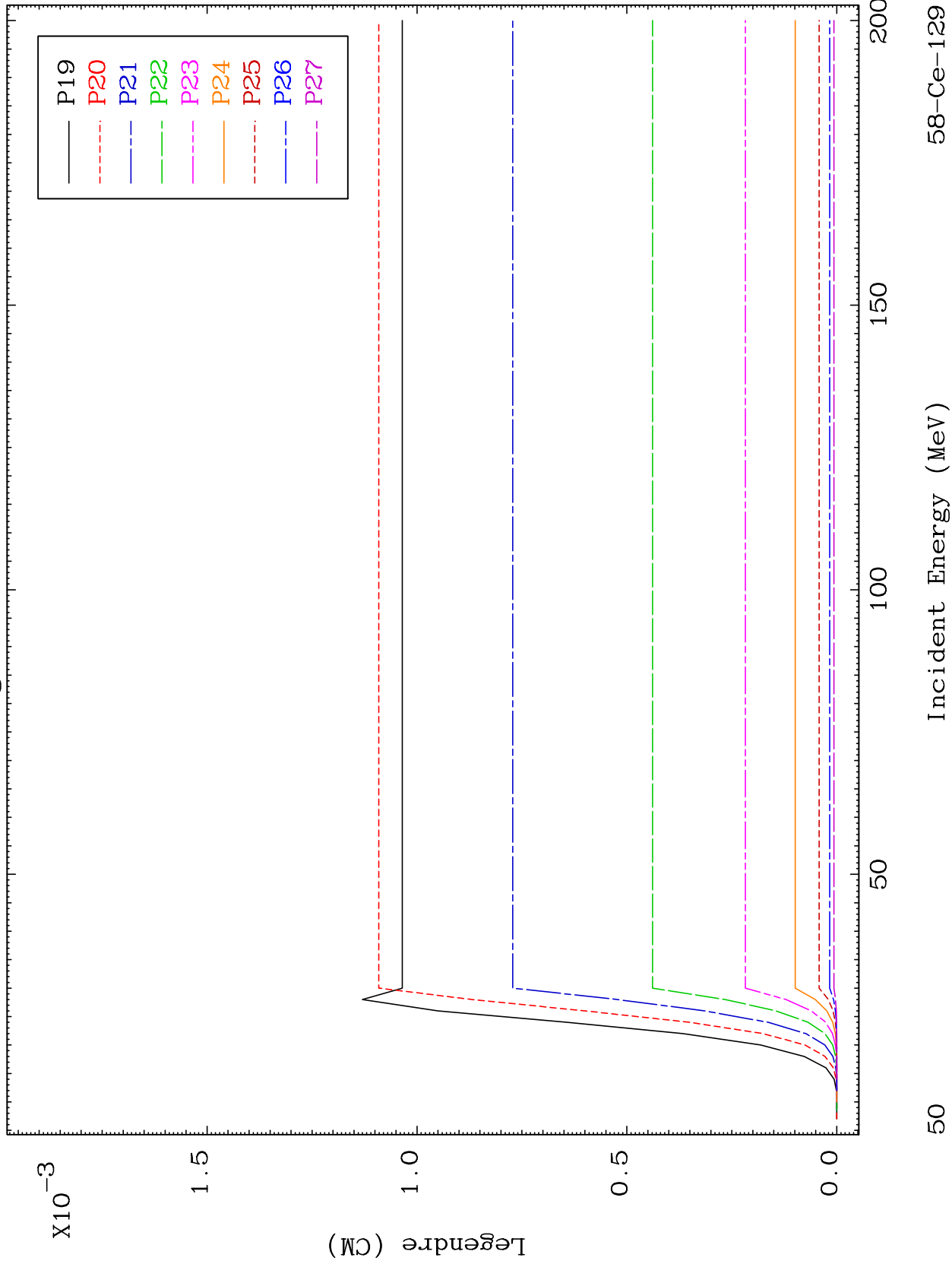
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

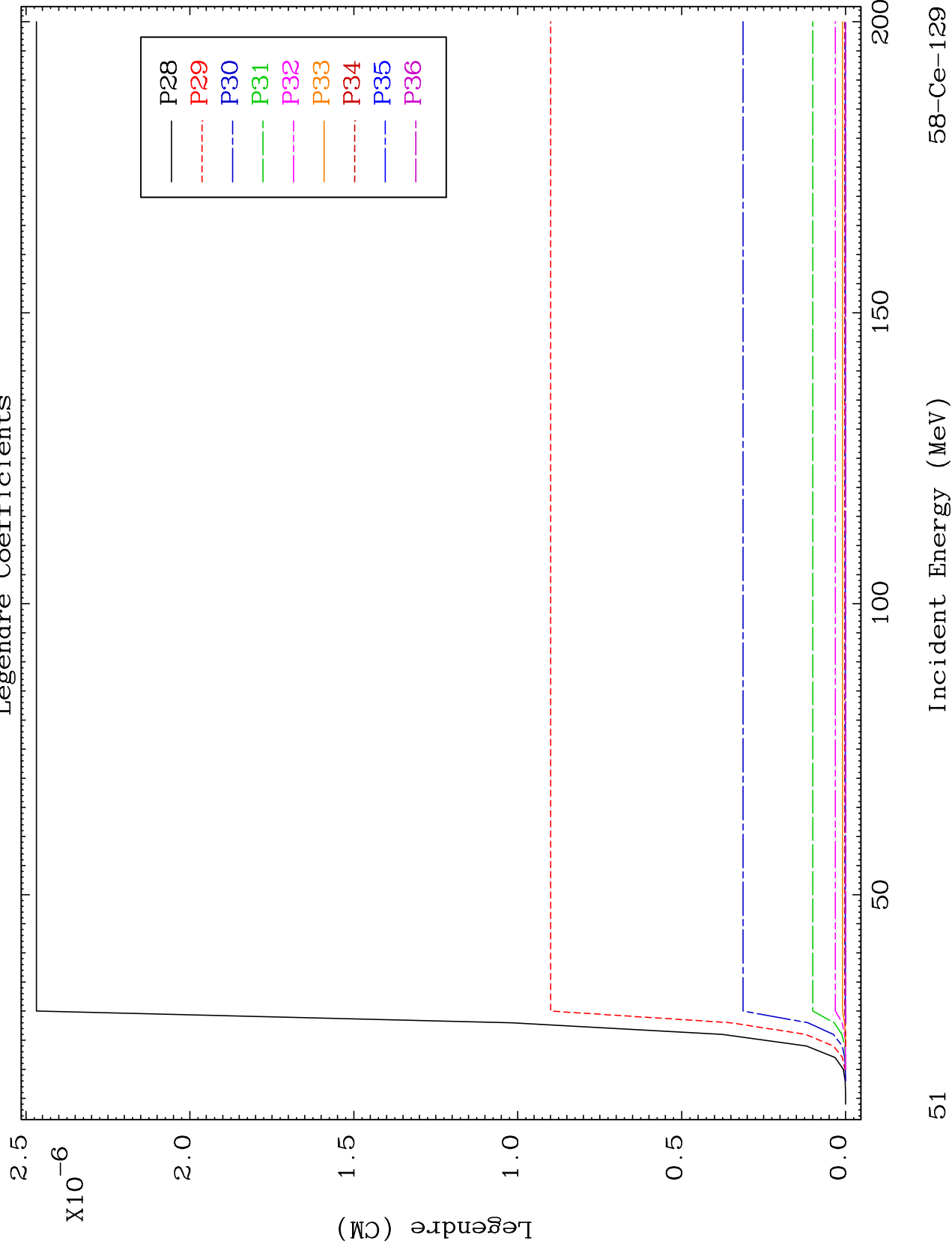
58-Ce-129



MAT 5804

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

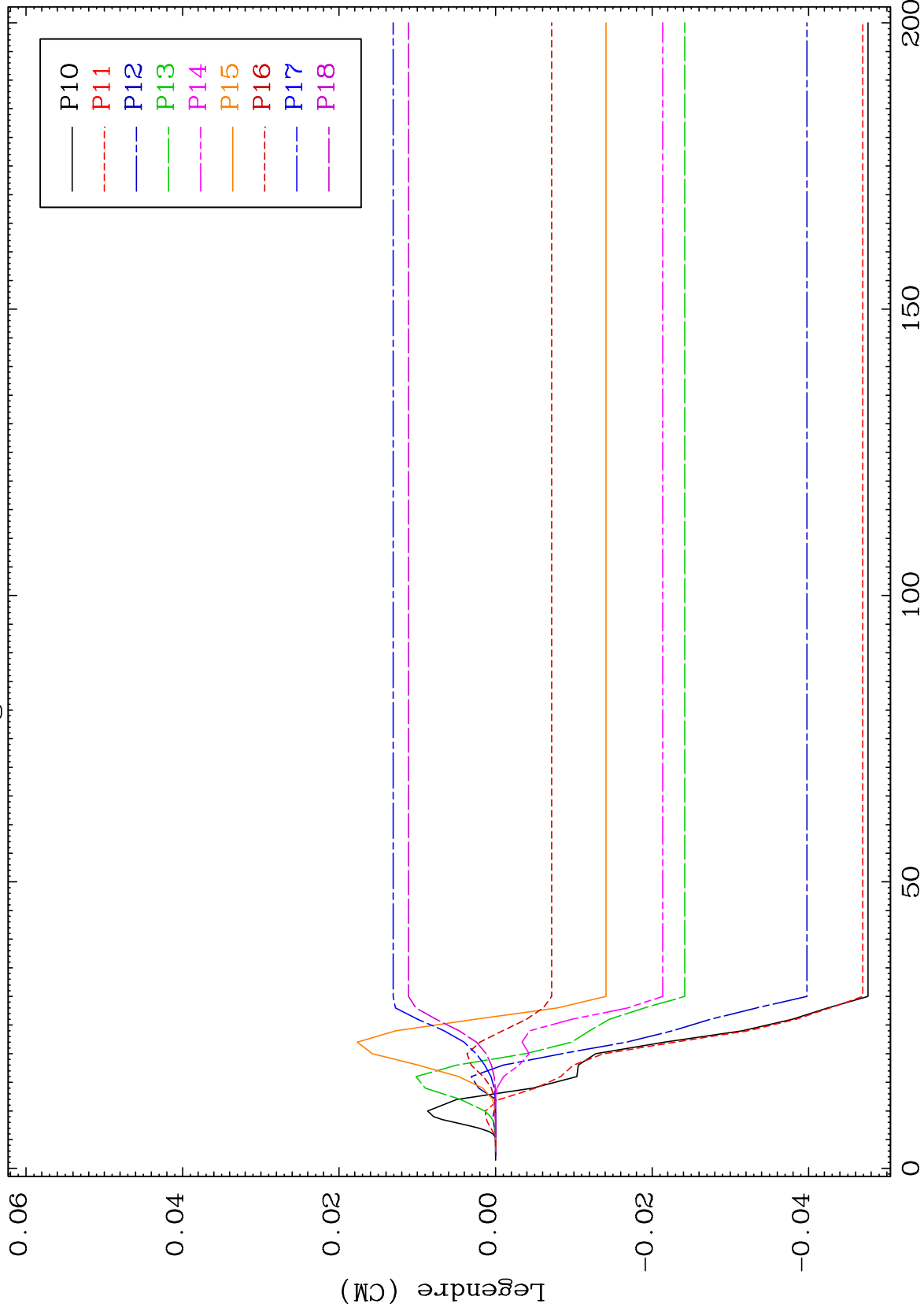
58-Ce-129



MAT 5804

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

58-Ce-129



53

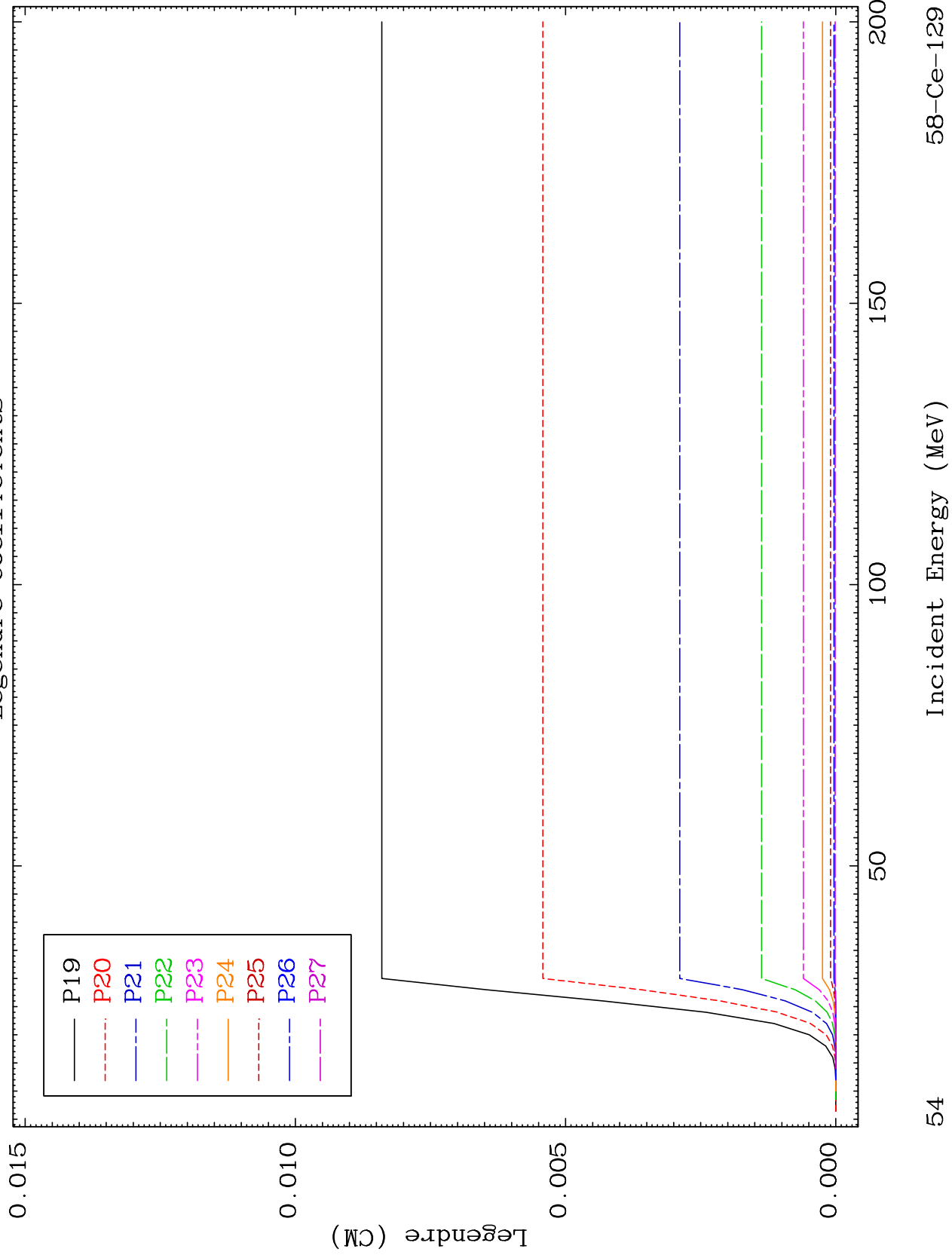
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



54

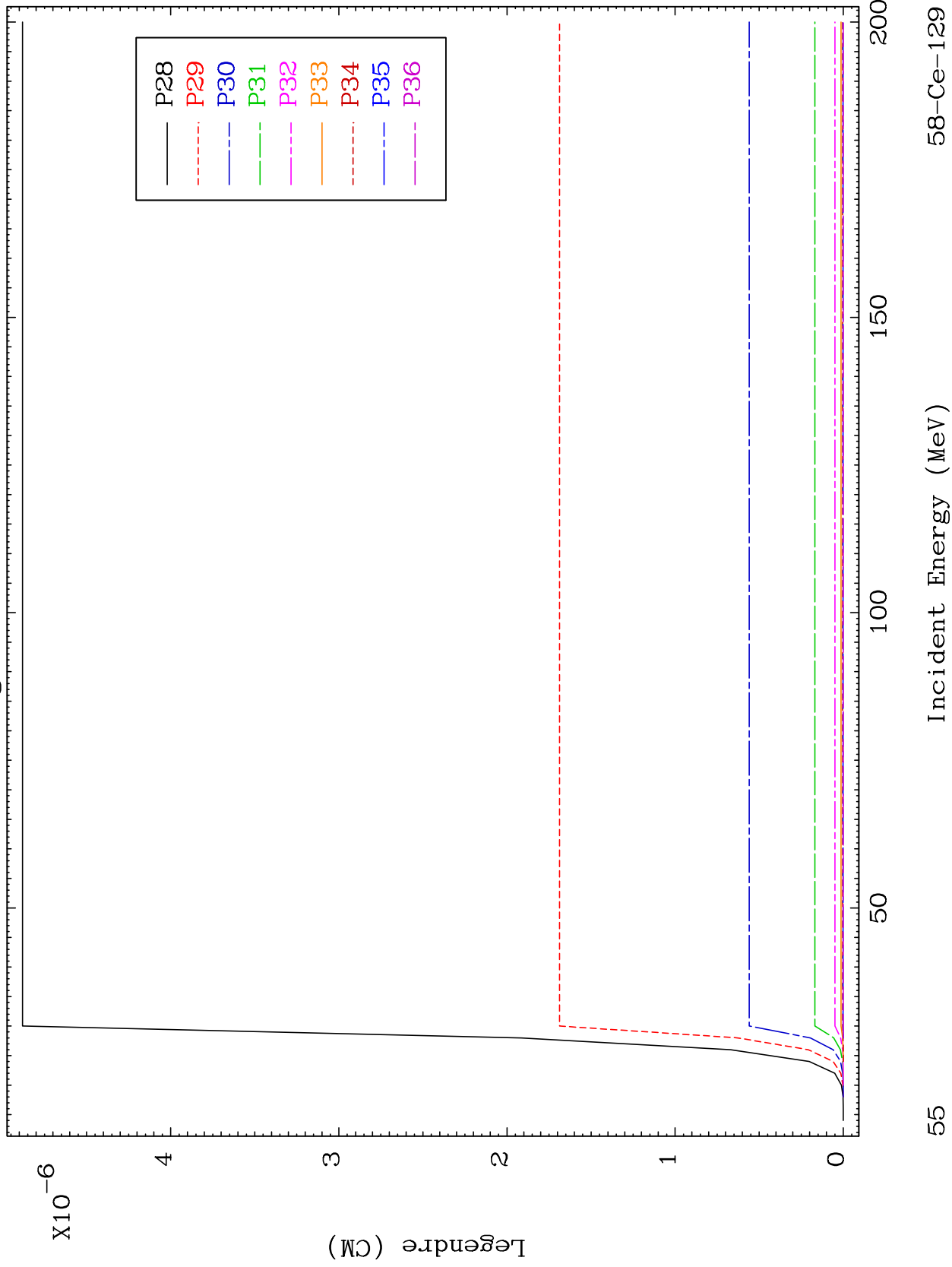
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



55

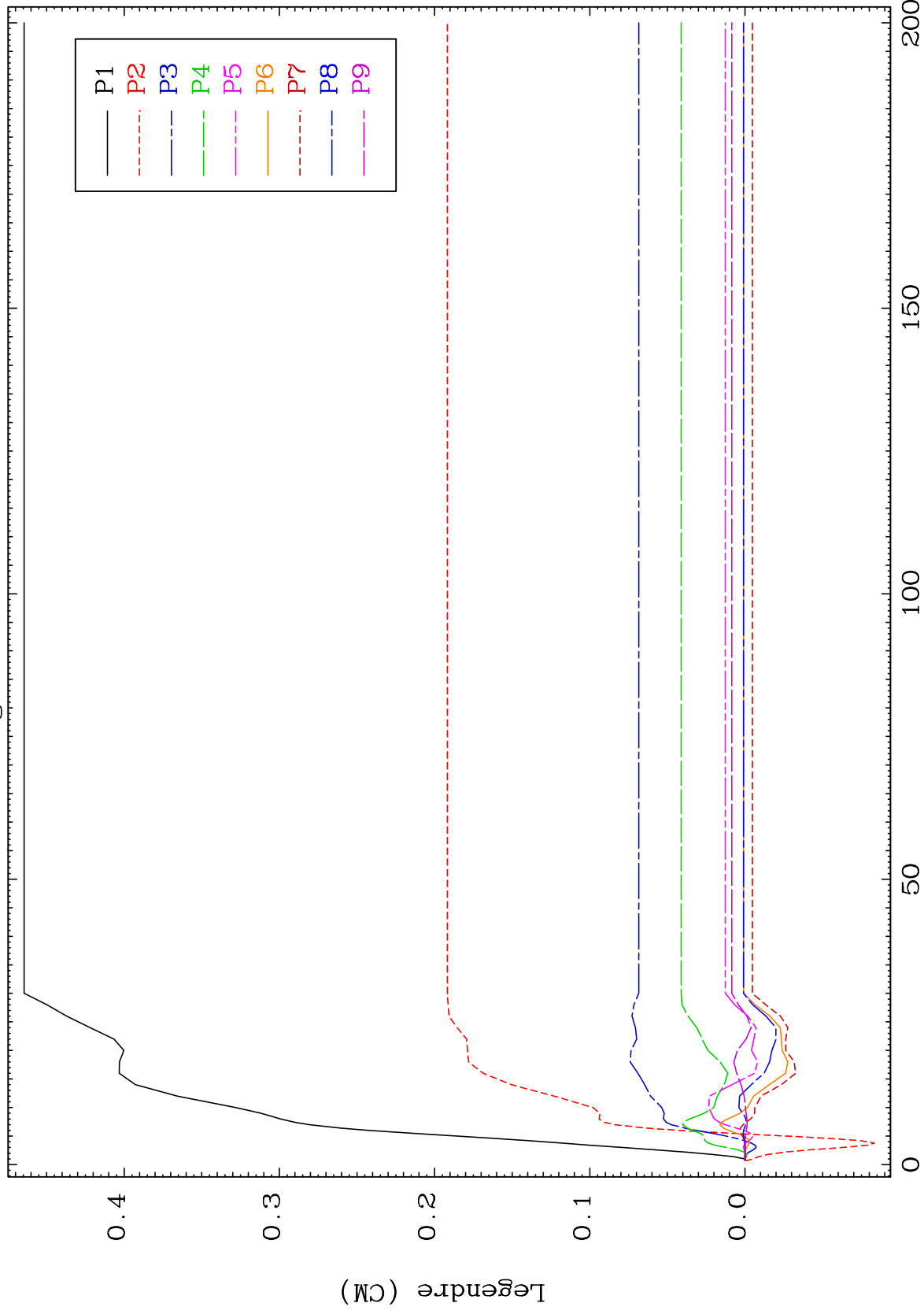
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



56

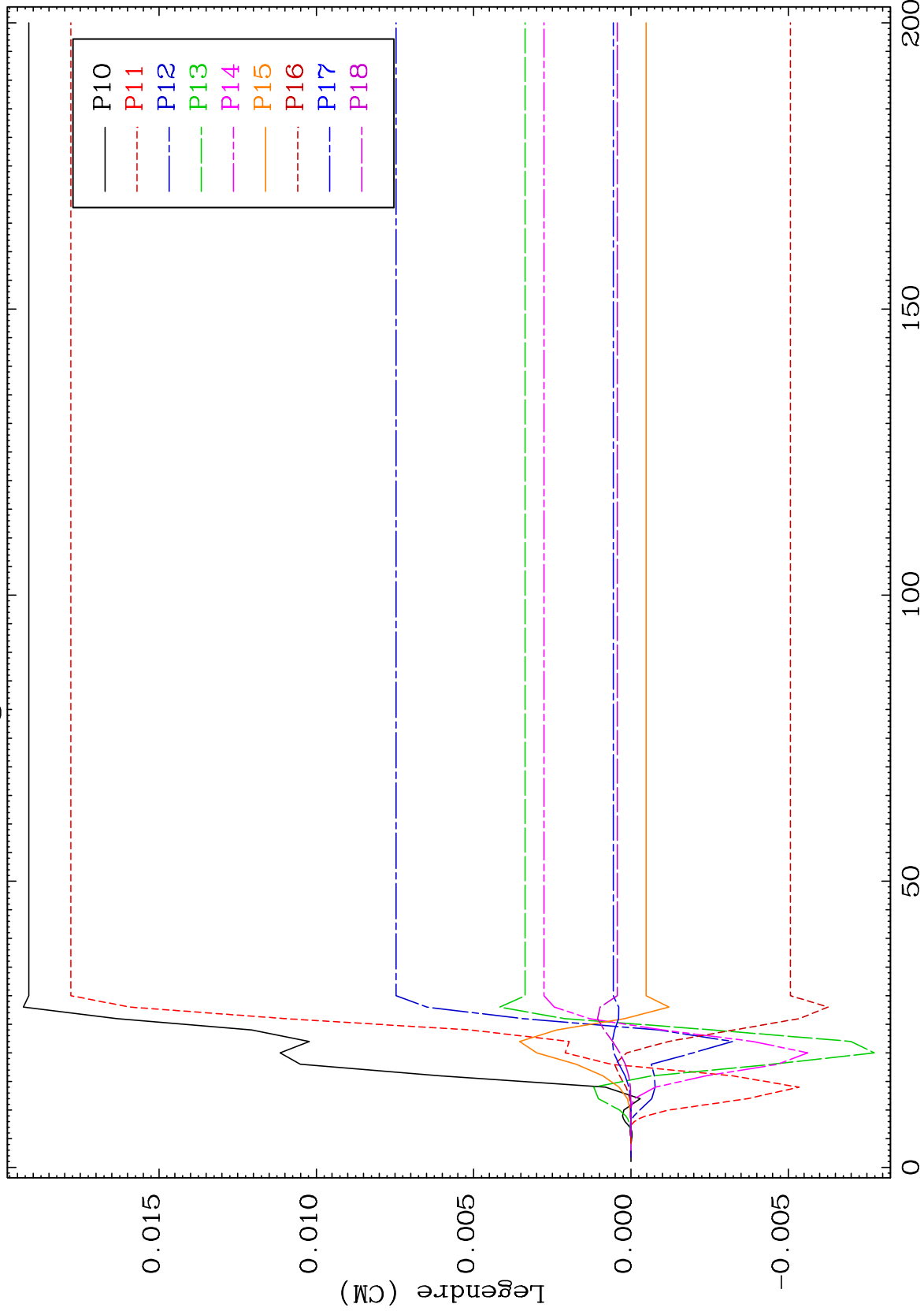
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



57

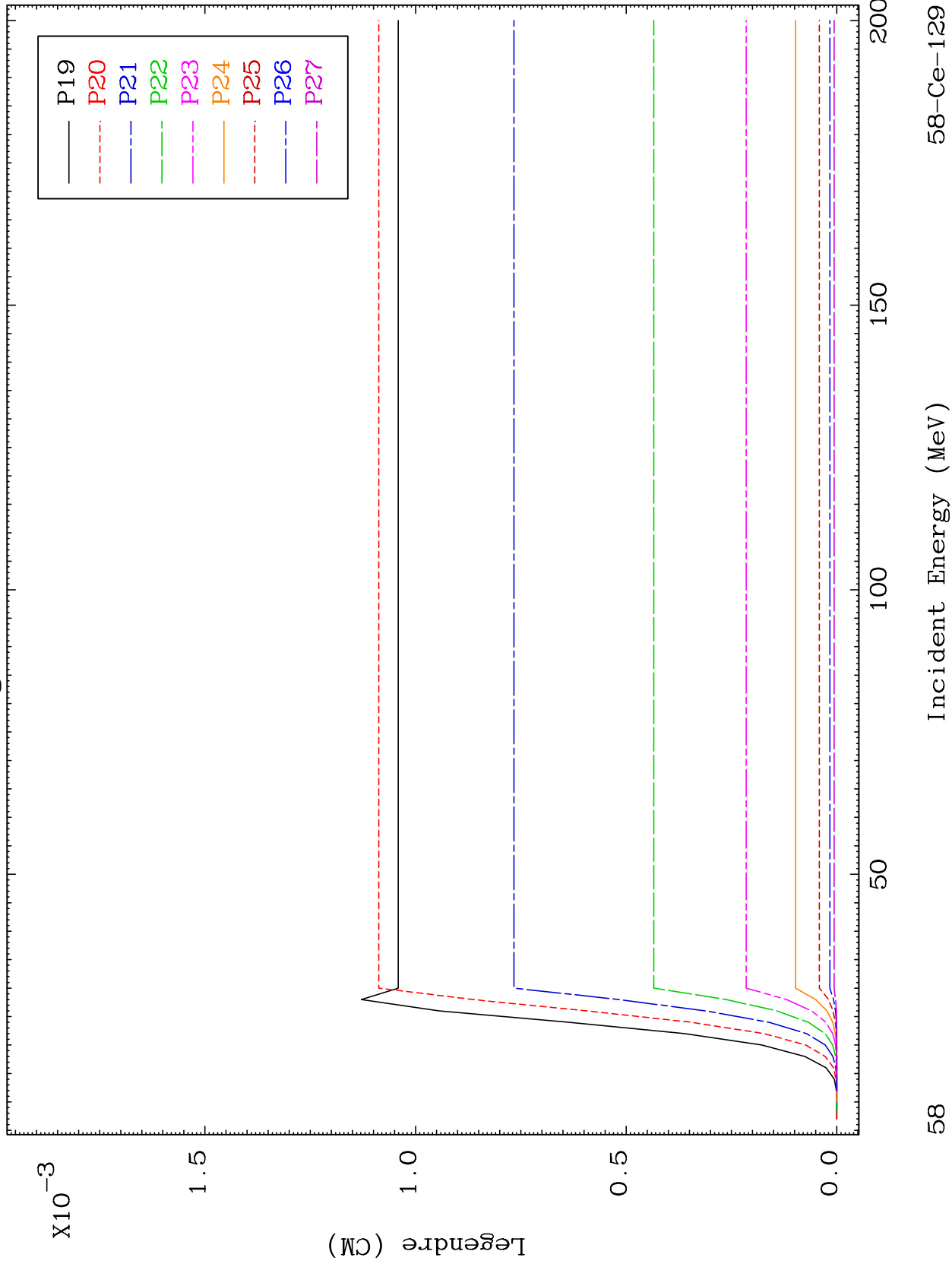
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

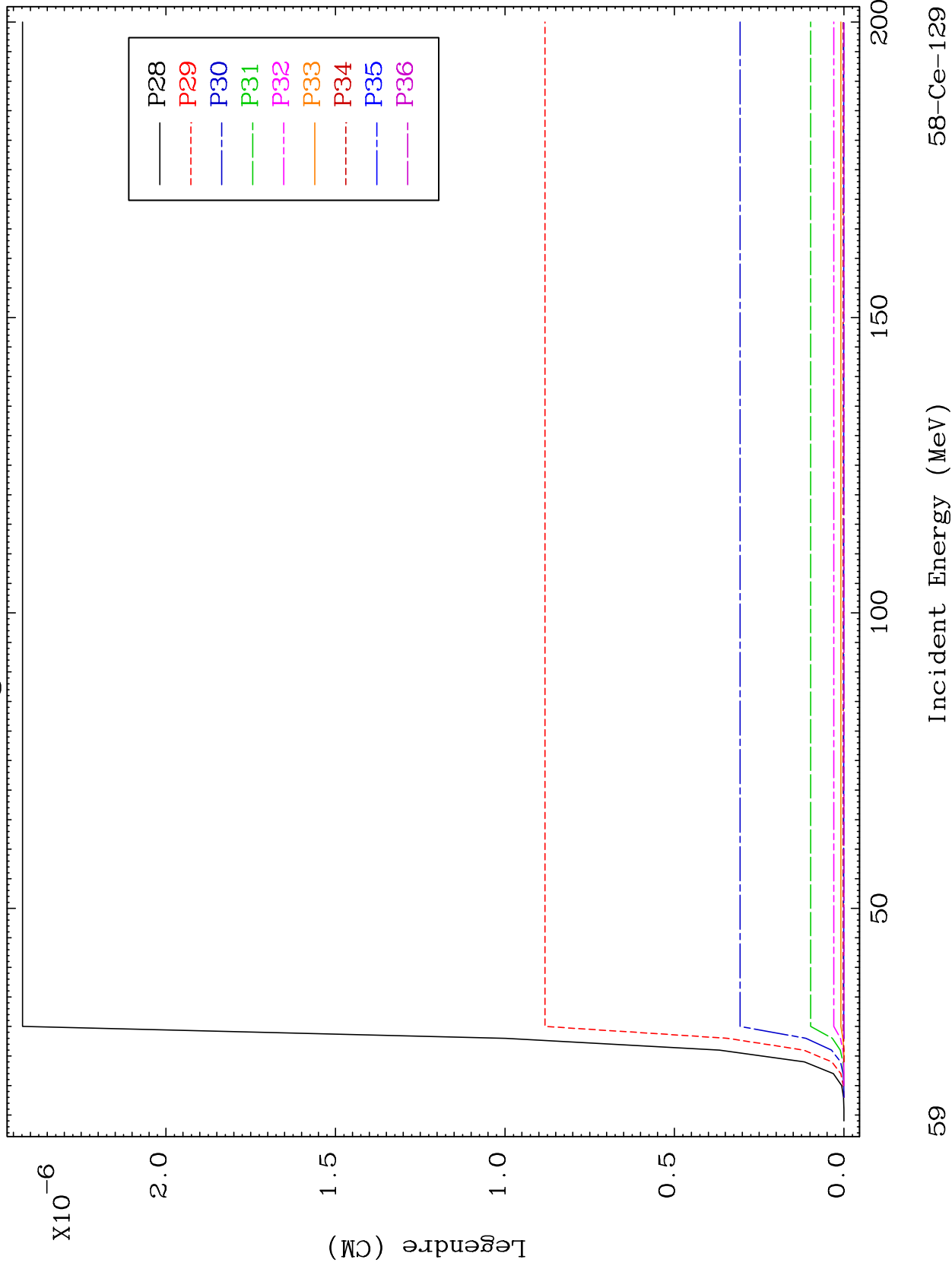
58-Ce-129



MAT 5804

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

58-Ce-129



59

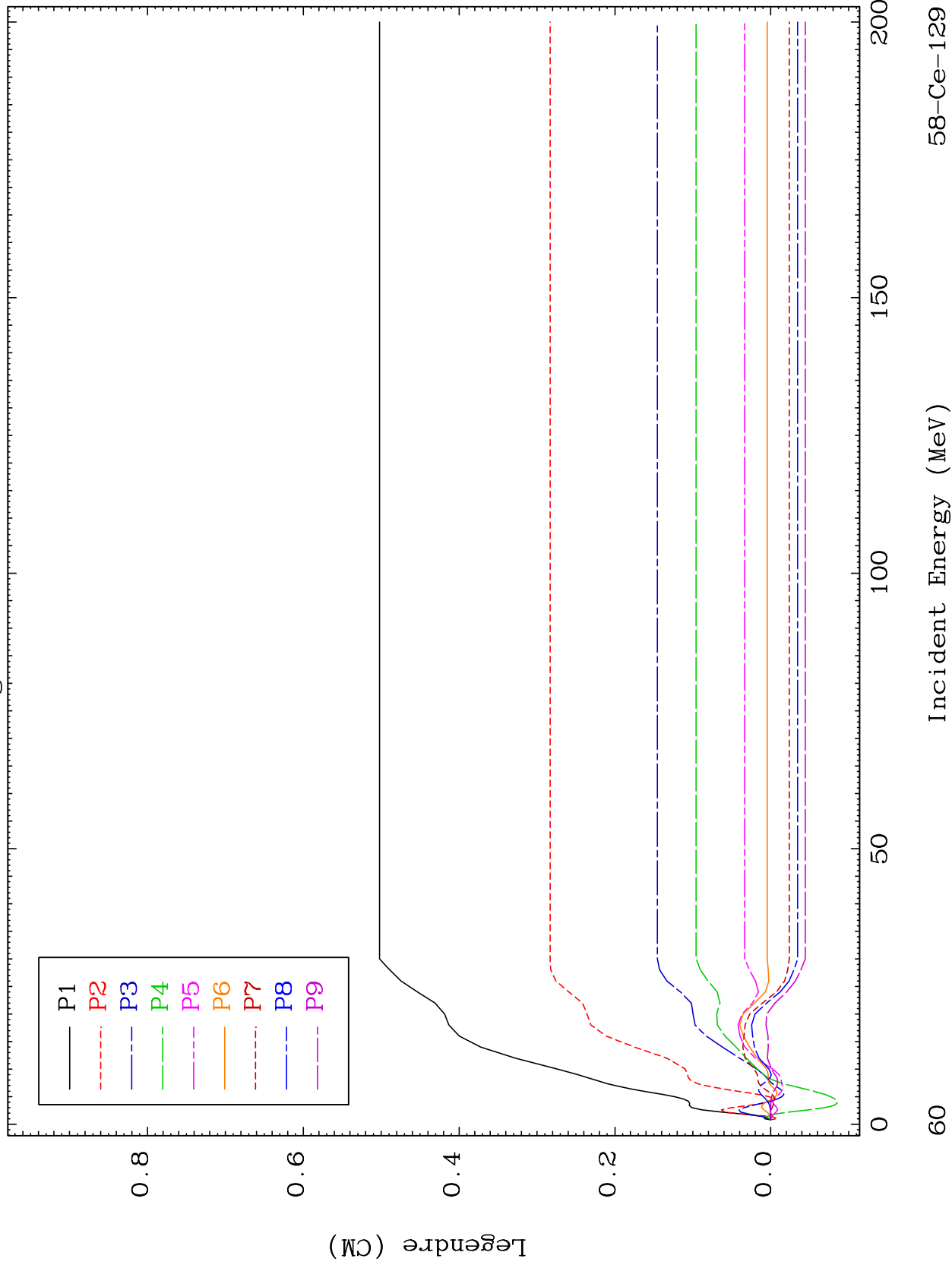
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

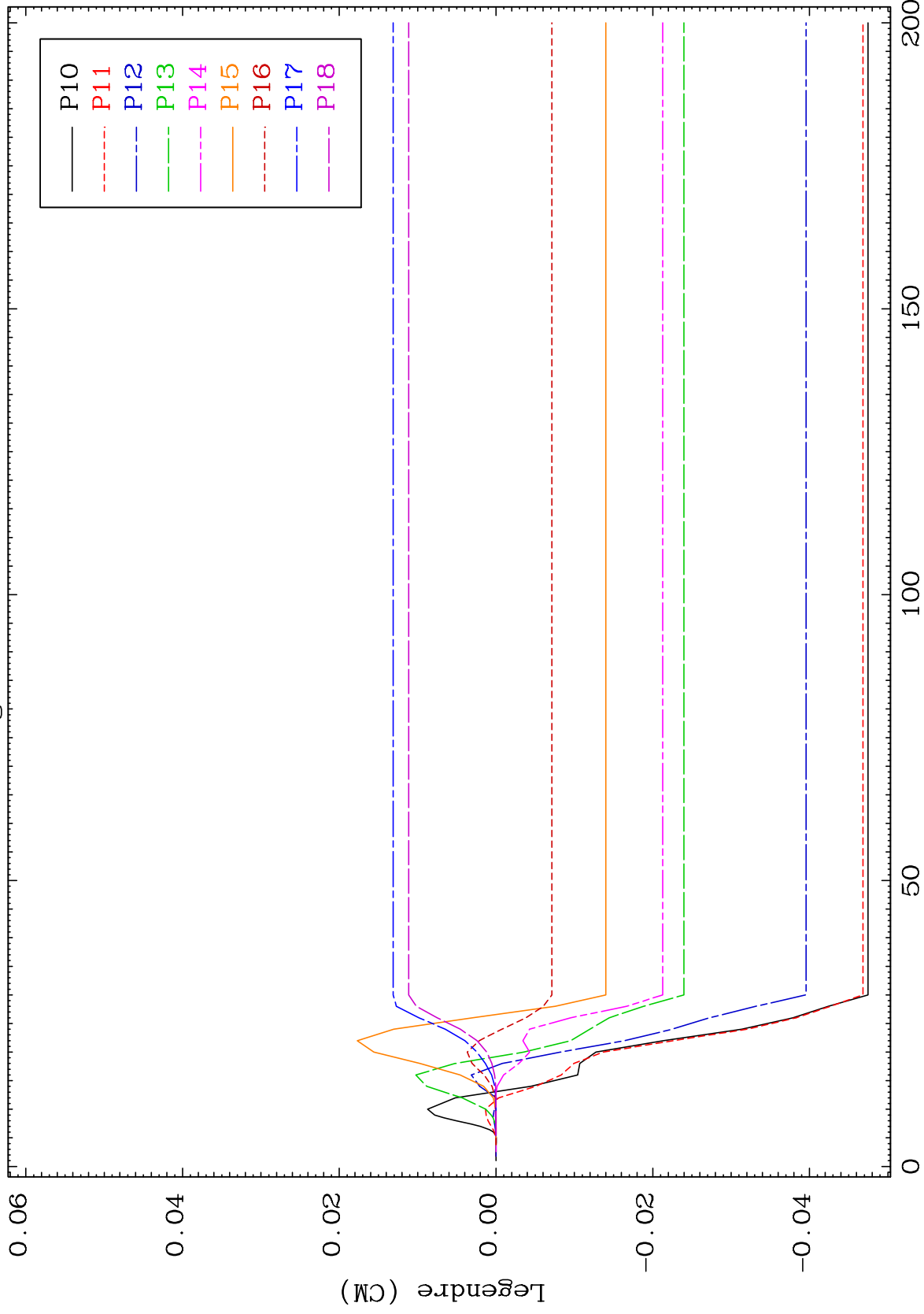
Incident Energy (MeV)

60

MAT 5804

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

58-Ce-129



61

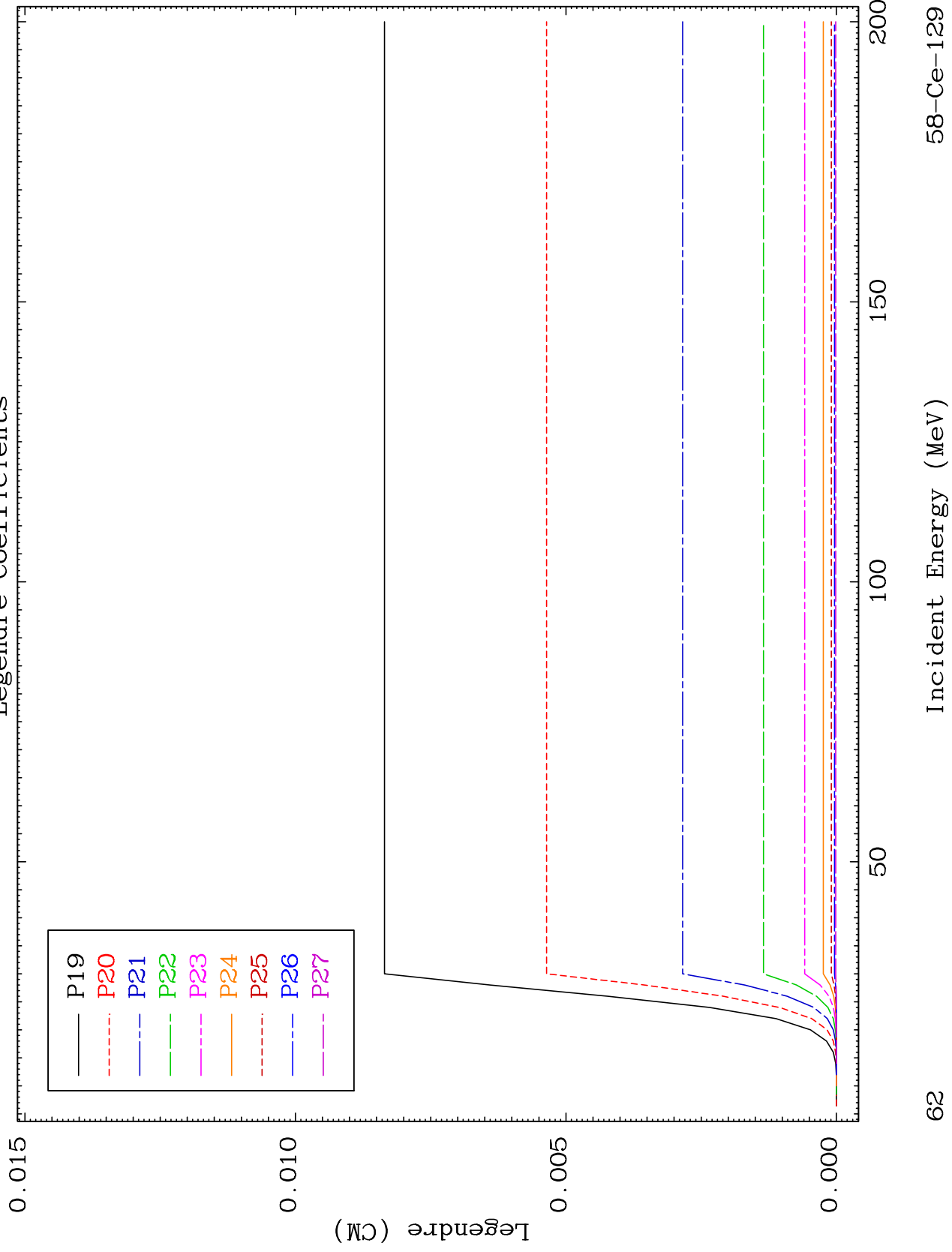
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



62

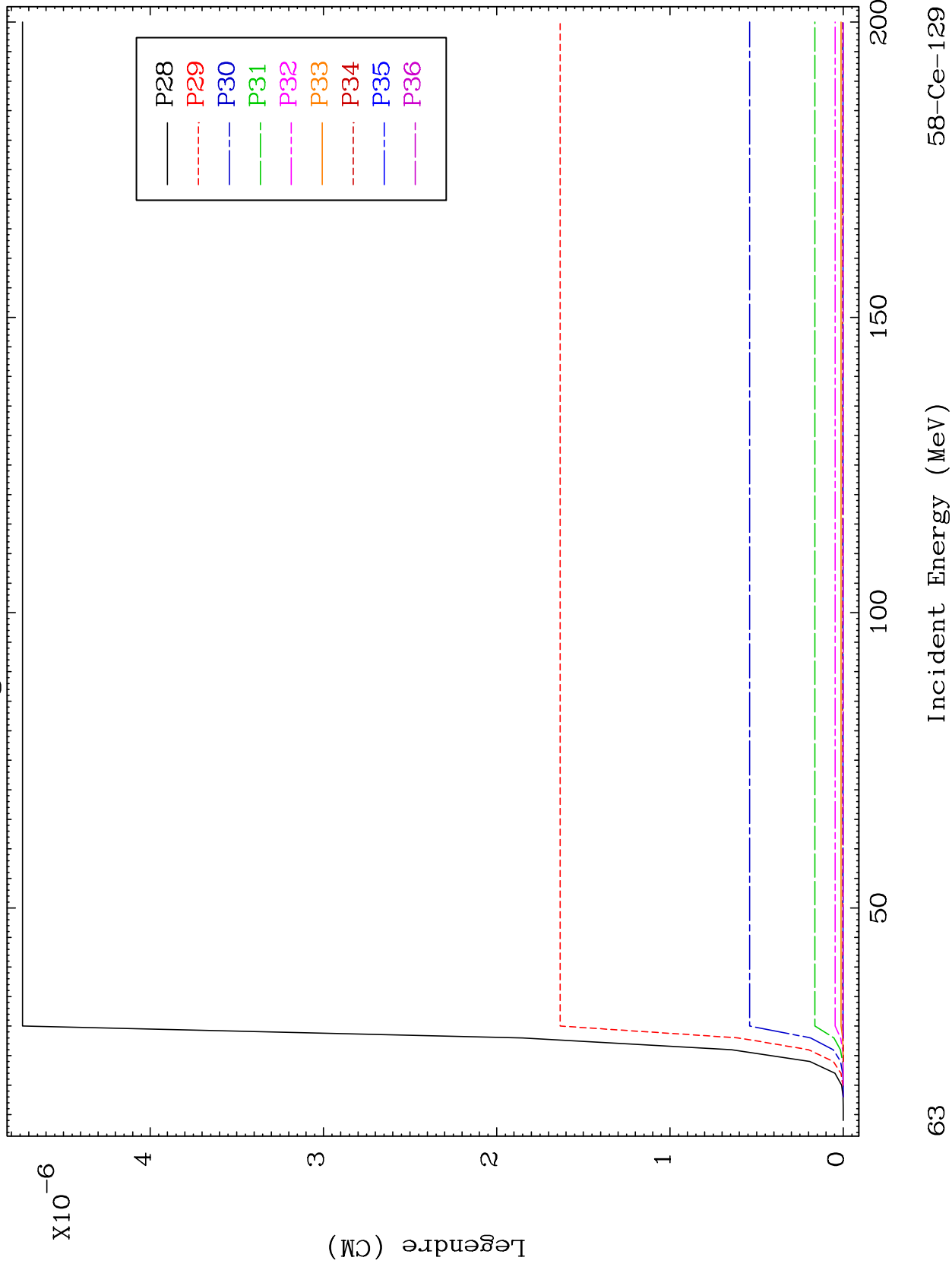
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



63

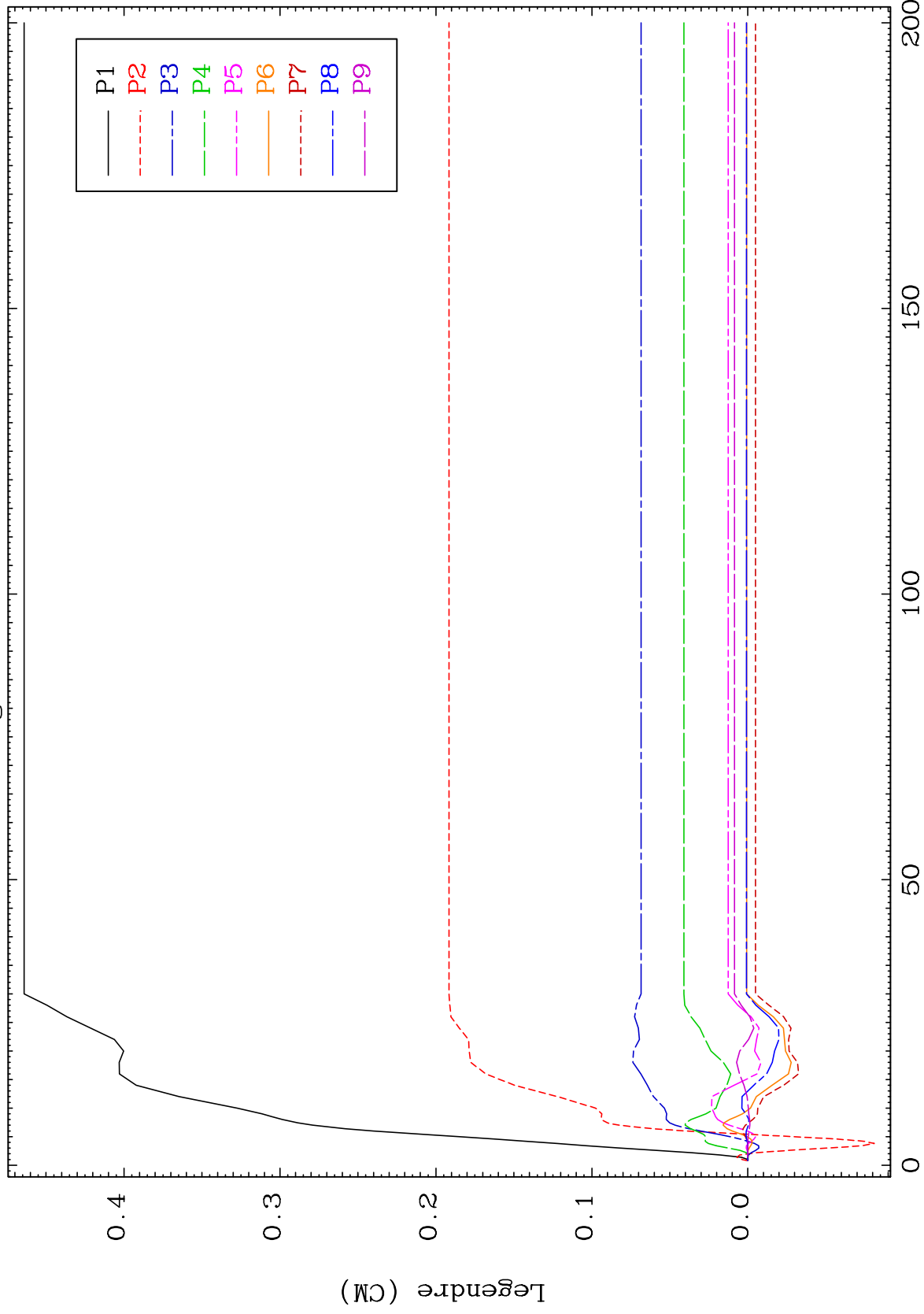
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

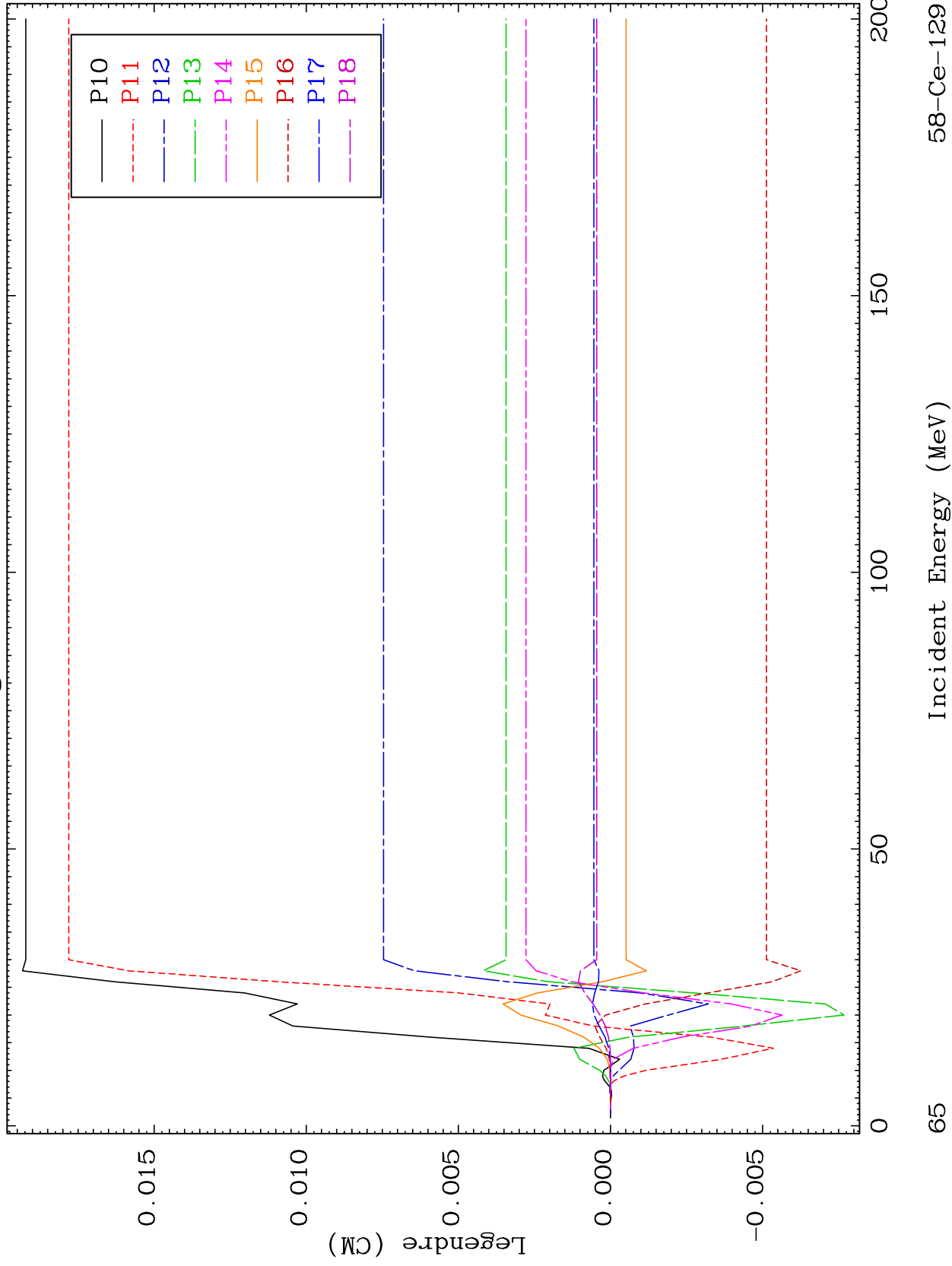
Incident Energy (MeV)

64

MAT 5804

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

58-Ce-129



58-Ce-129

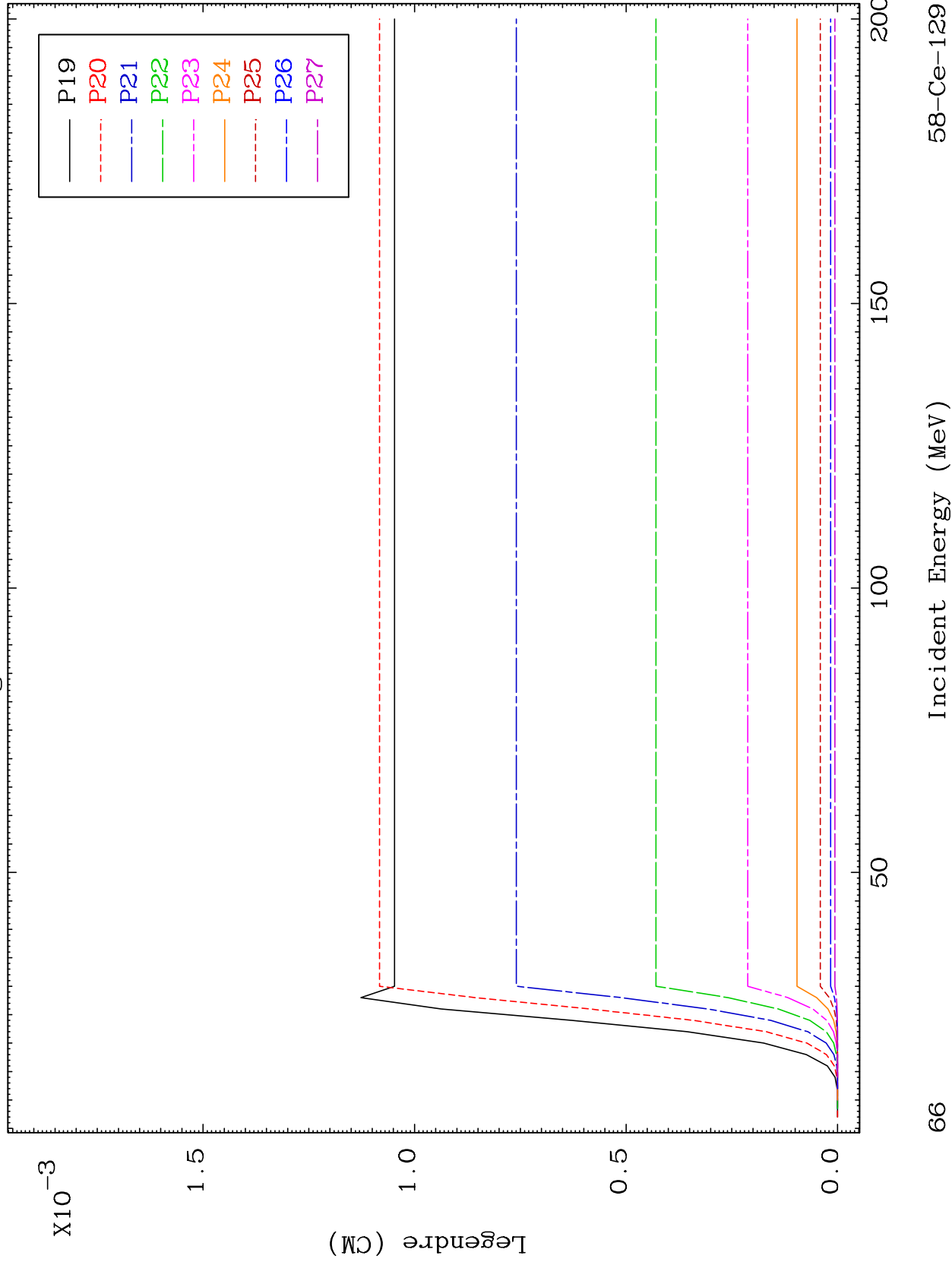
Incident Energy (MeV)

65

MAT 5804

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

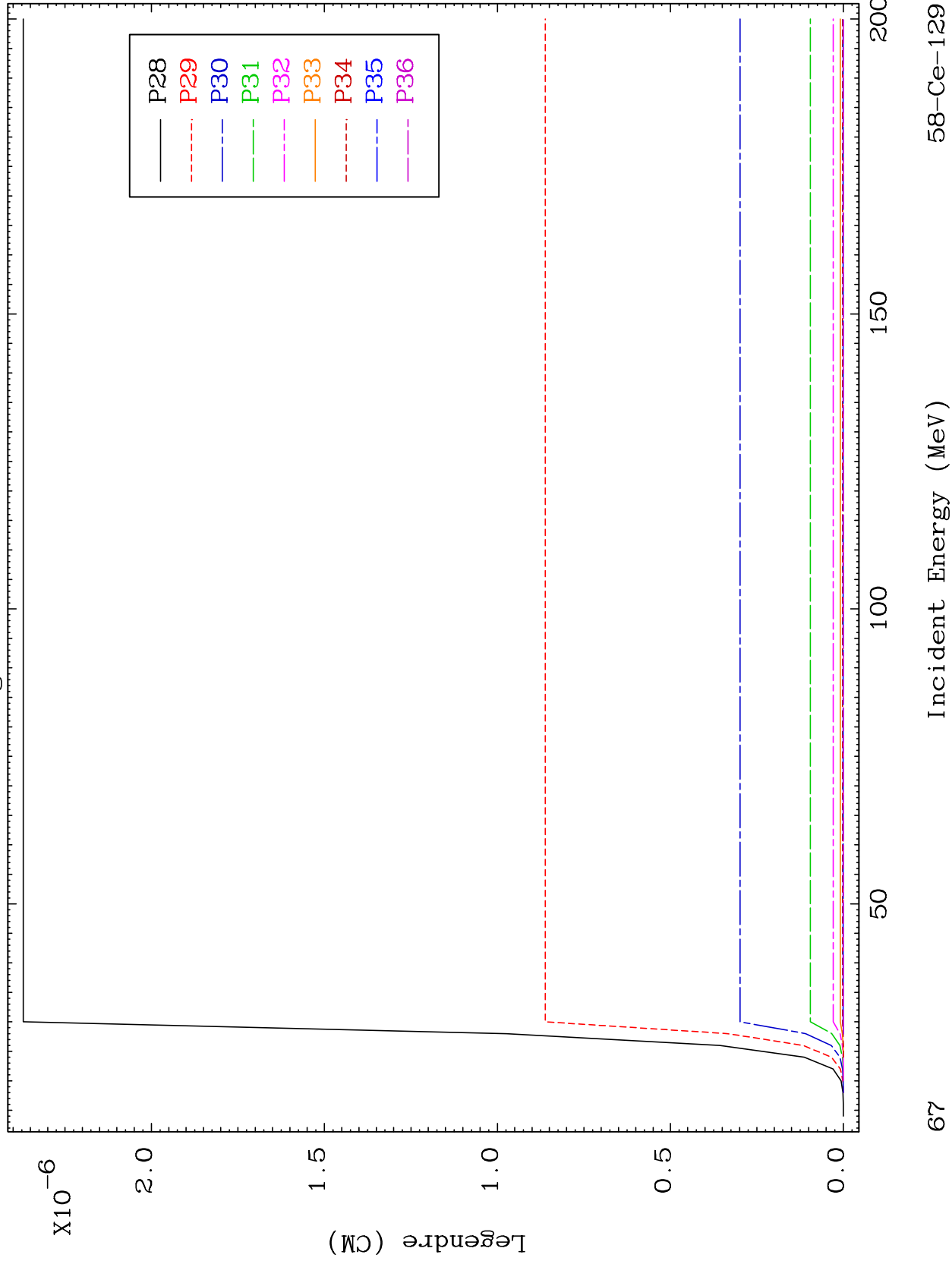
58-Ce-129



MAT 5804

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

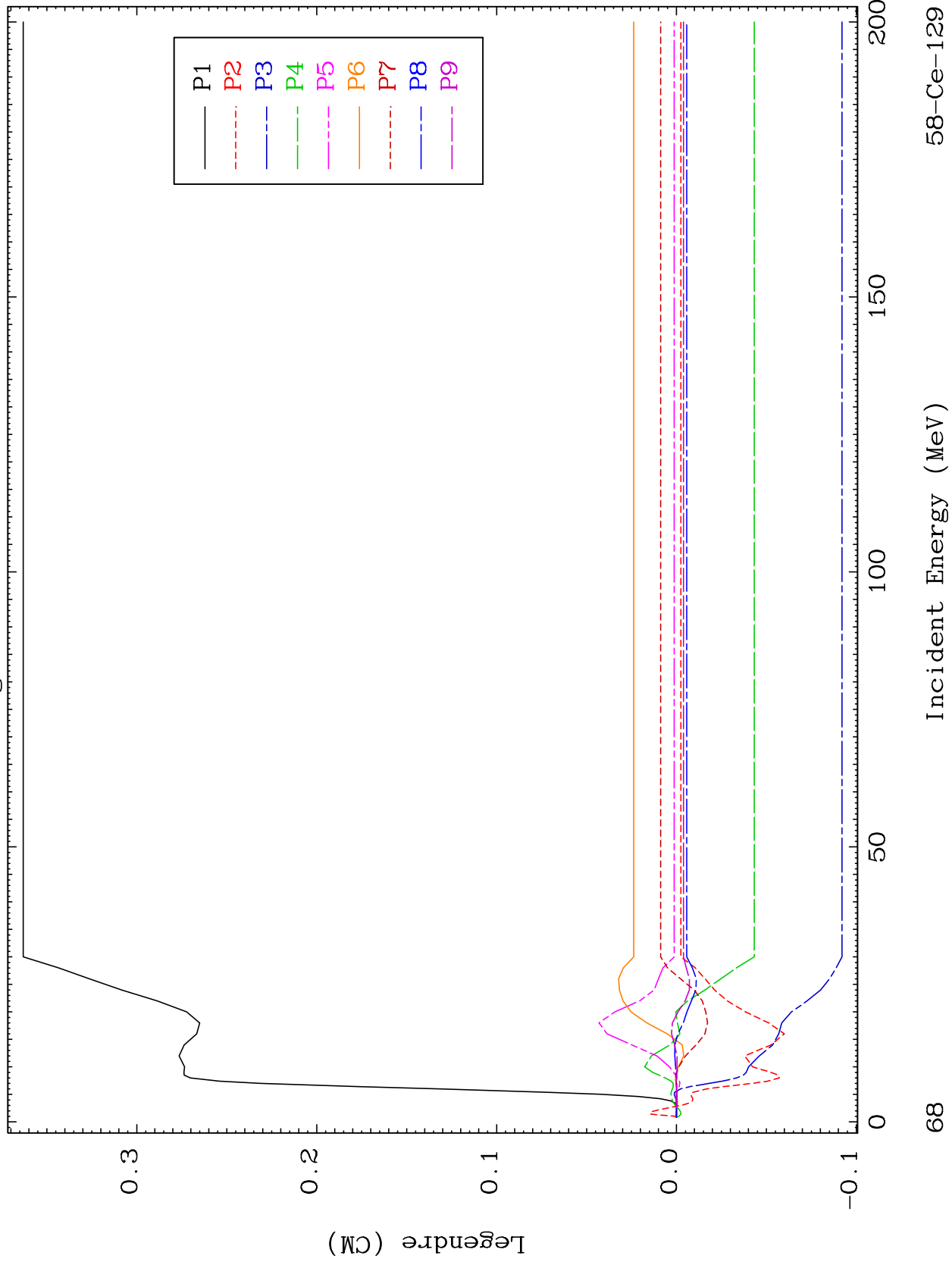
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

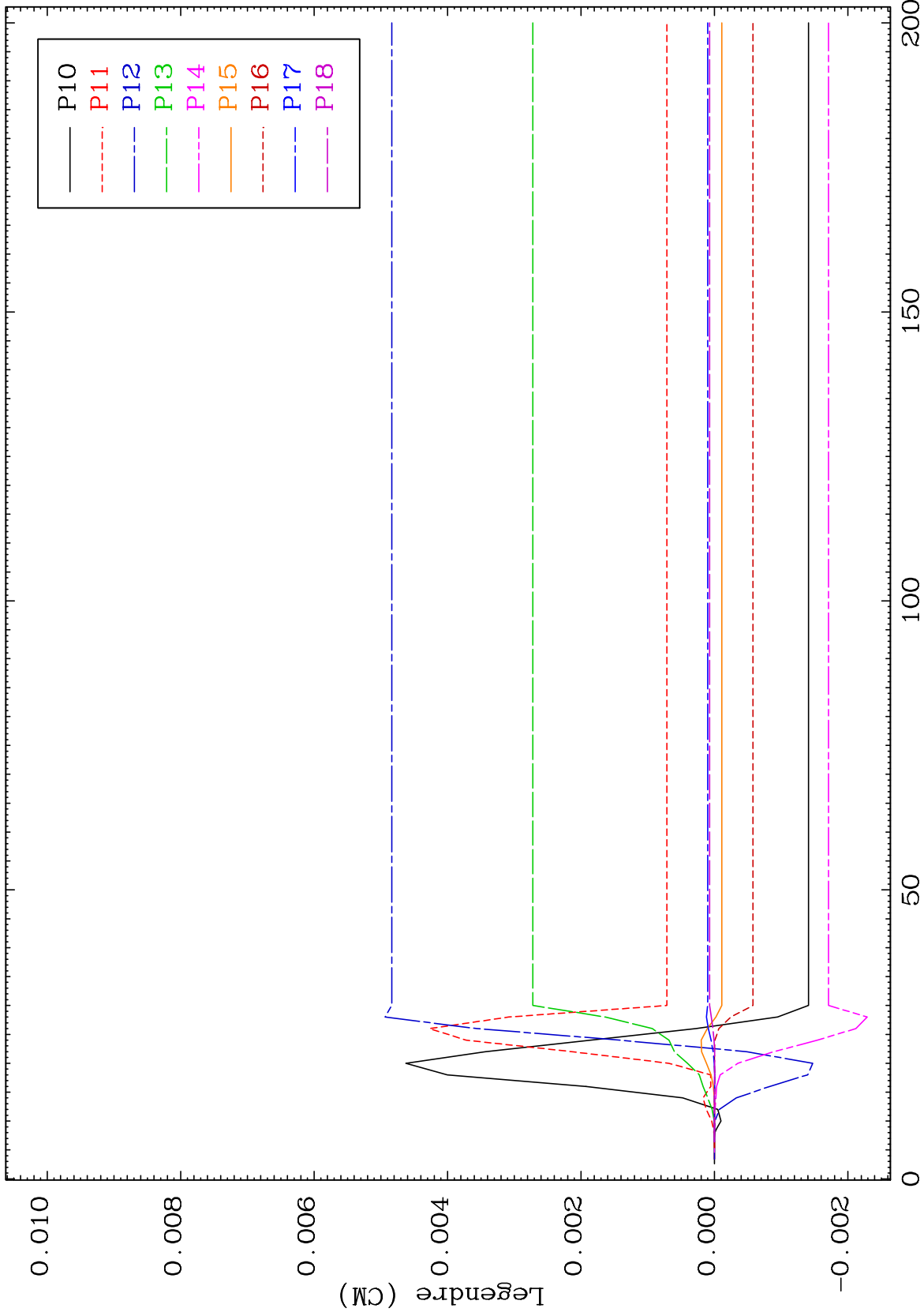
Incident Energy (MeV)

68

MAT 5804

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

58-Ce-129



69

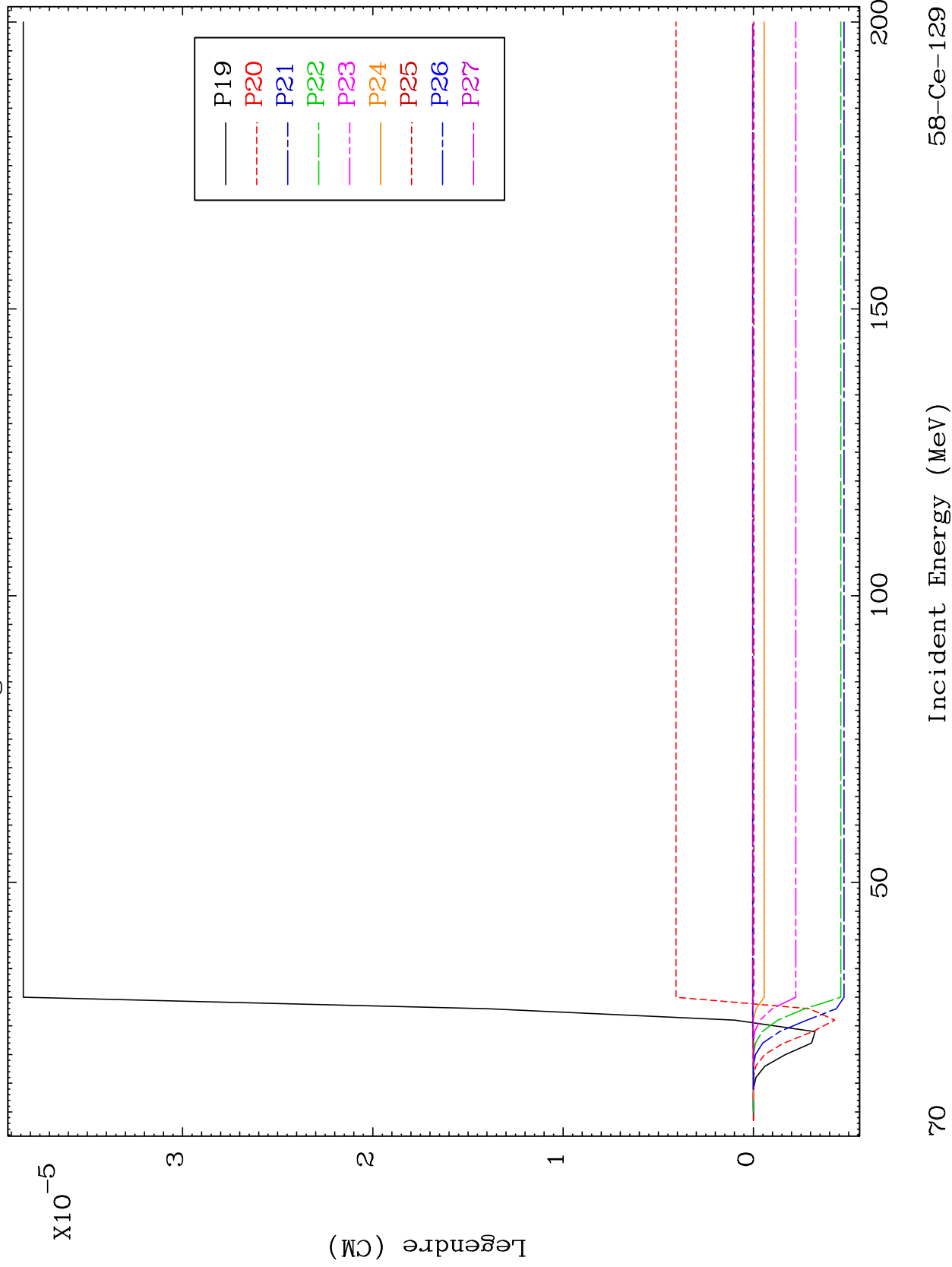
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



70

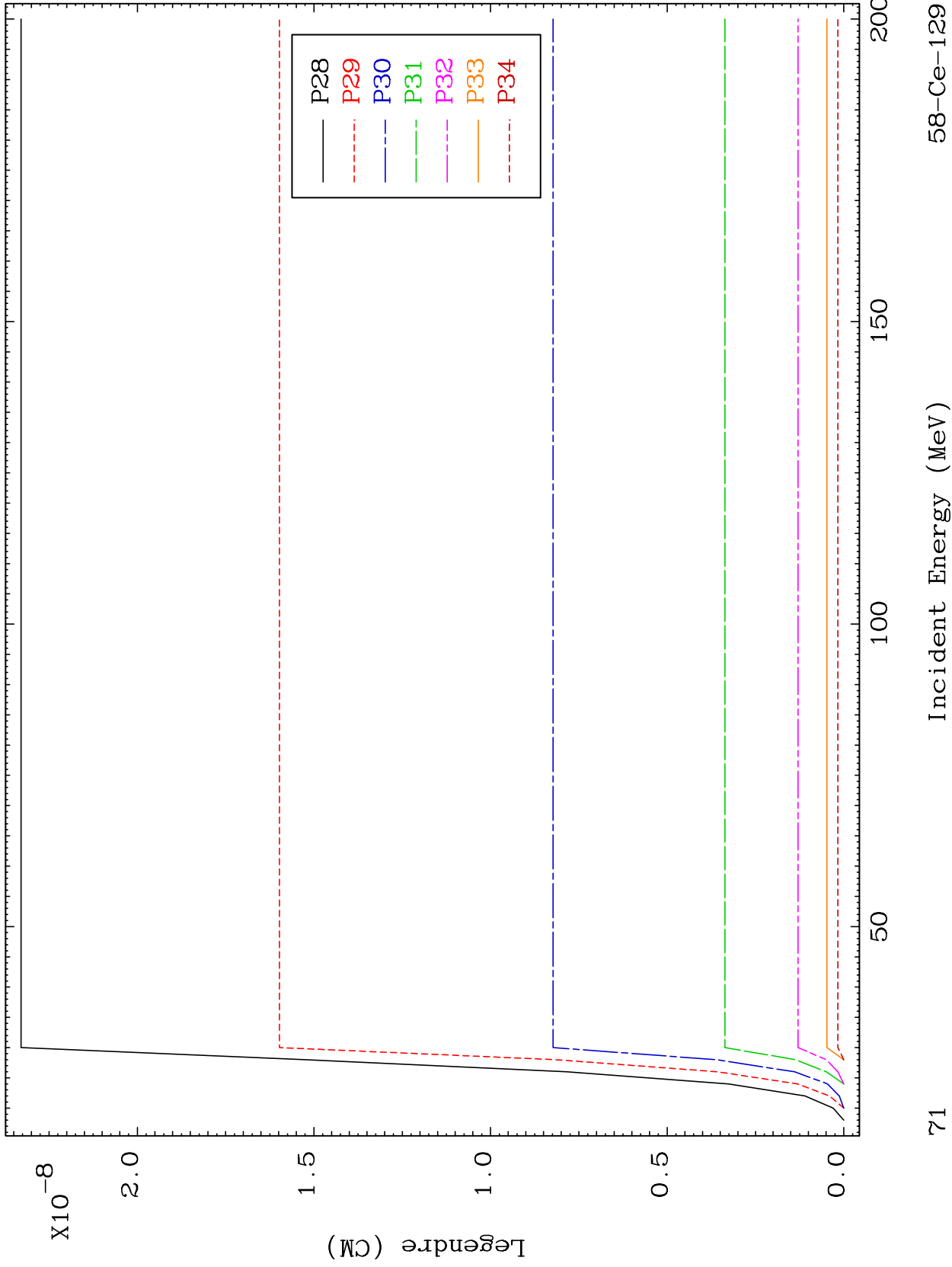
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



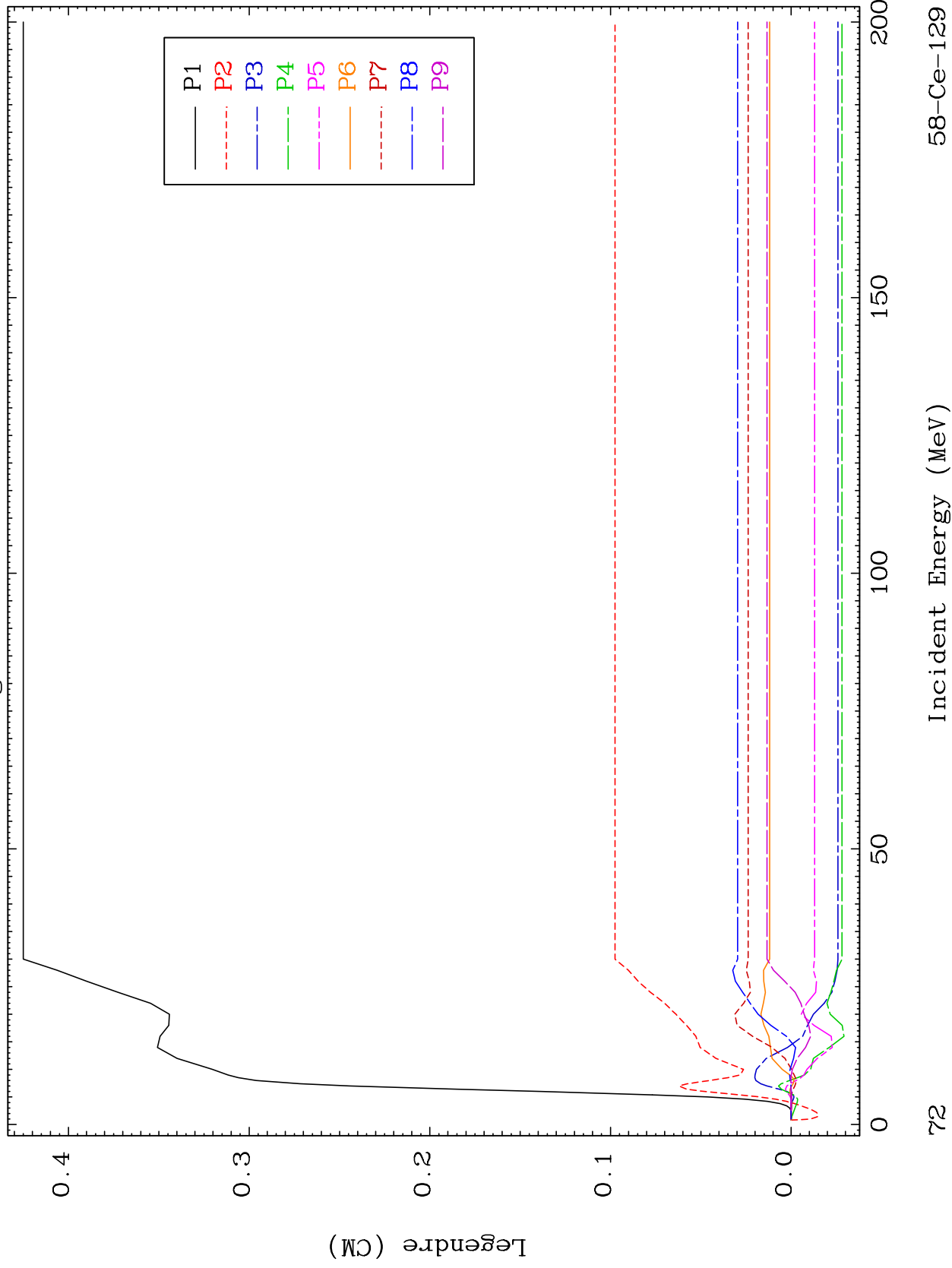
71

58-Ce-129

MAT 5804

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

58-Ce-129

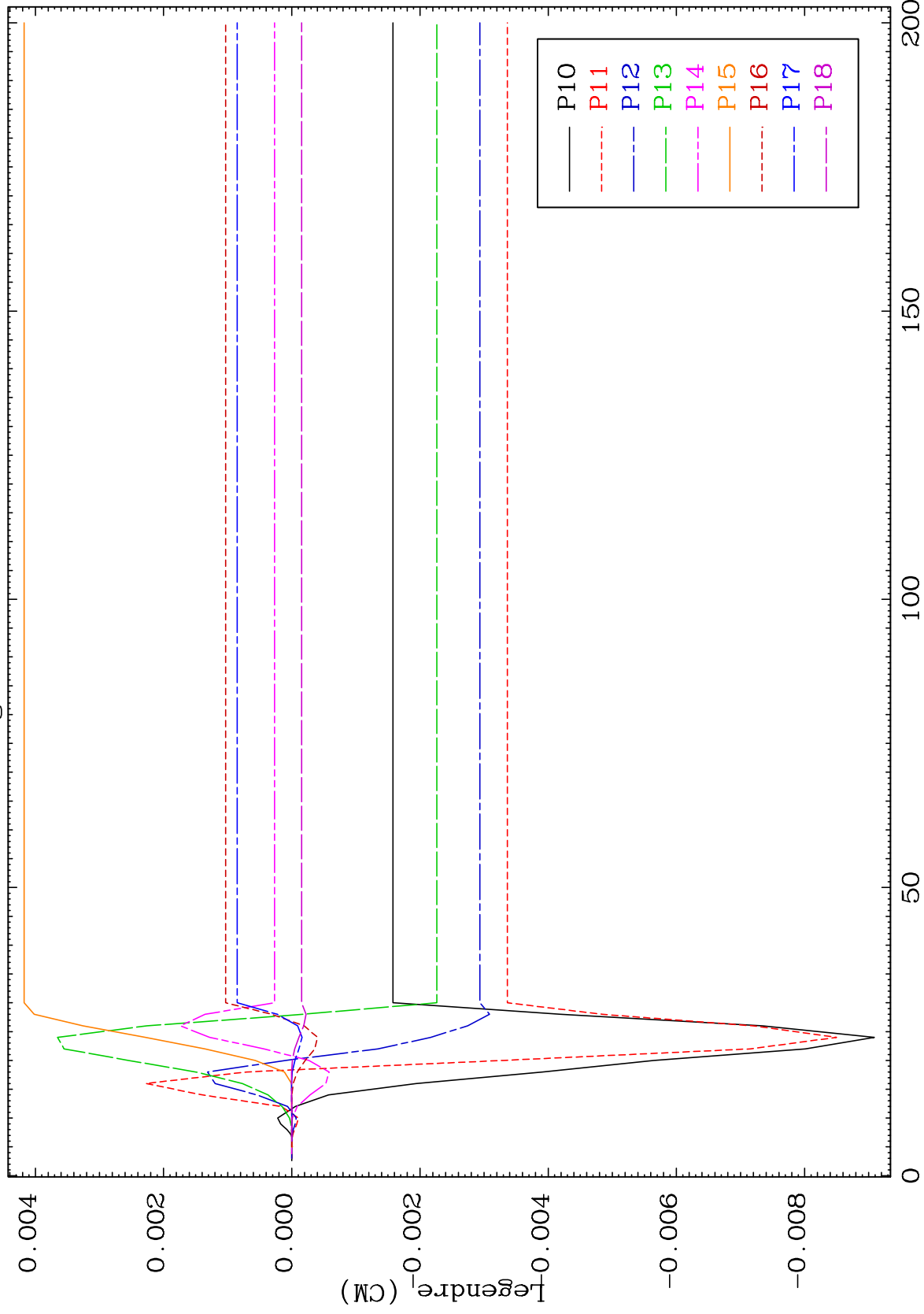


58-Ce-129

MAT 5804

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

58-Ce-129



73

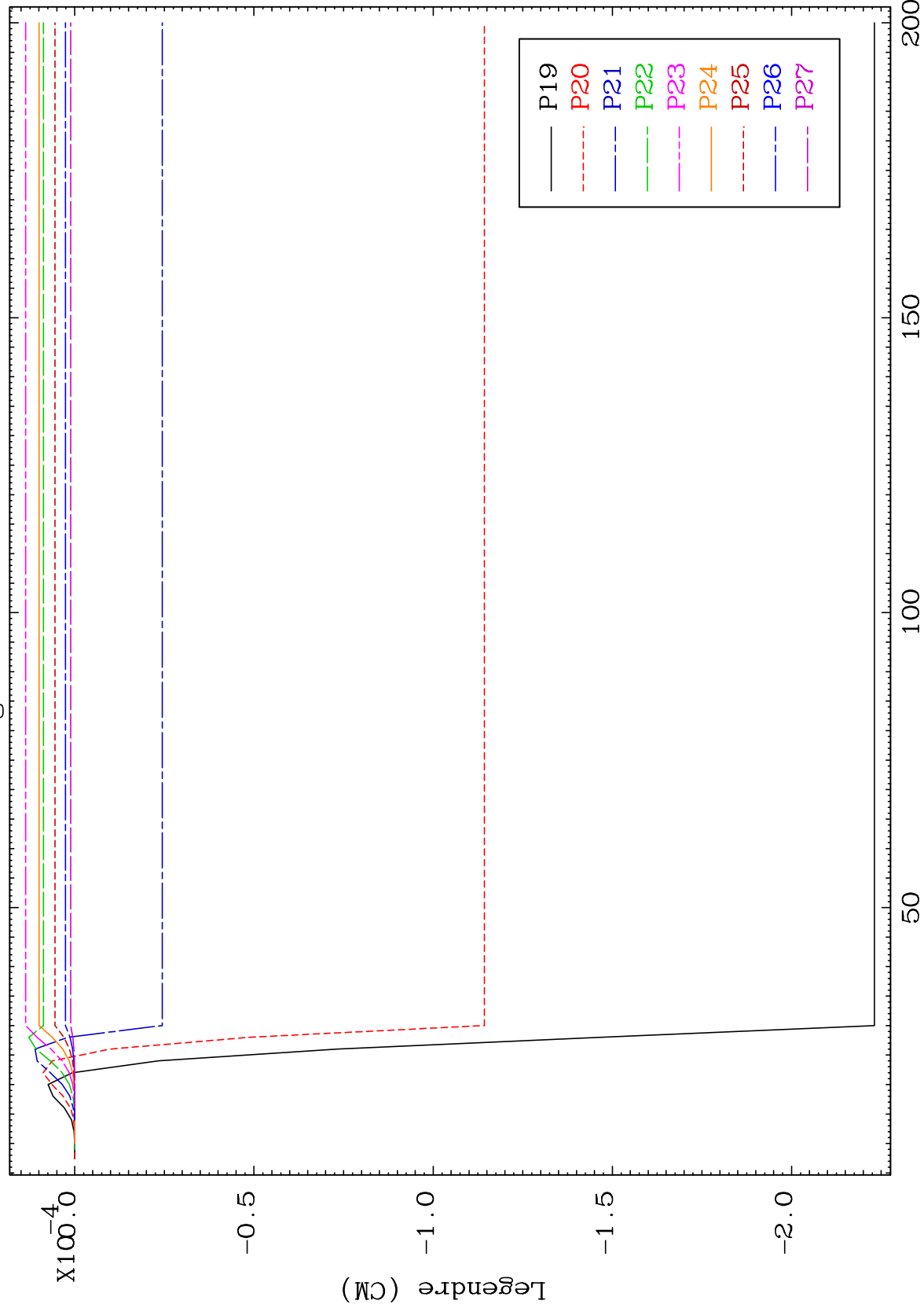
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



74

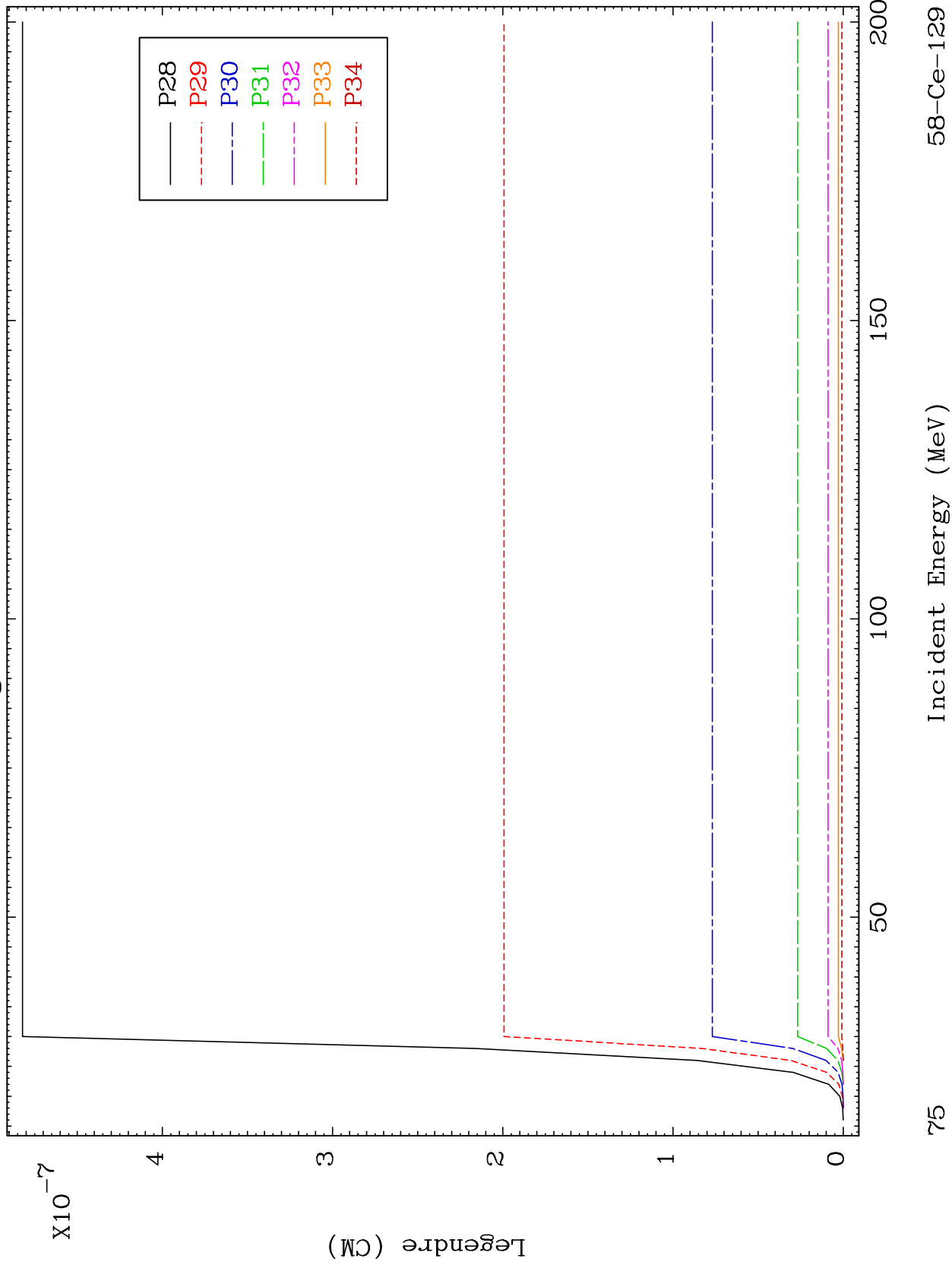
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

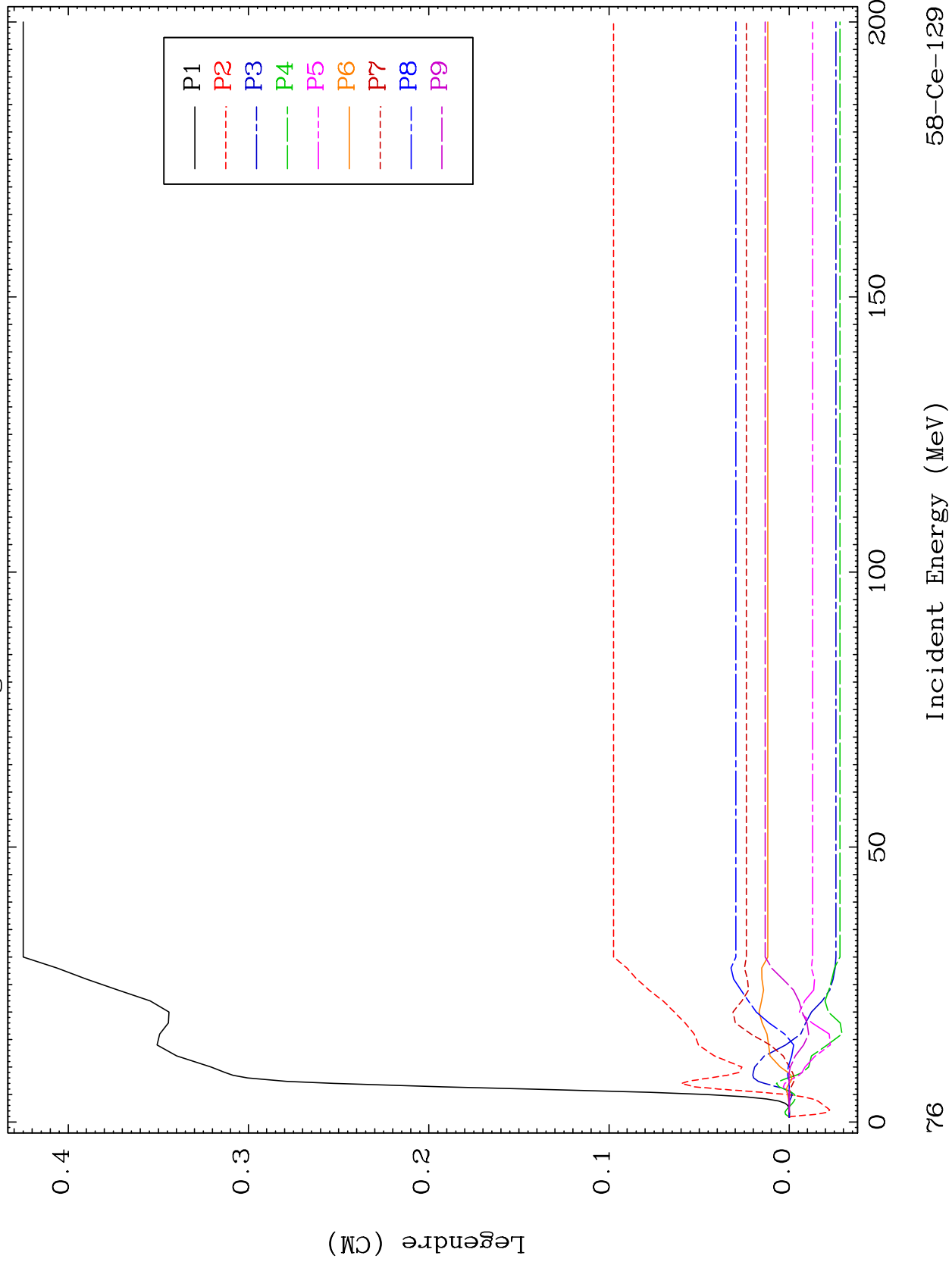
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

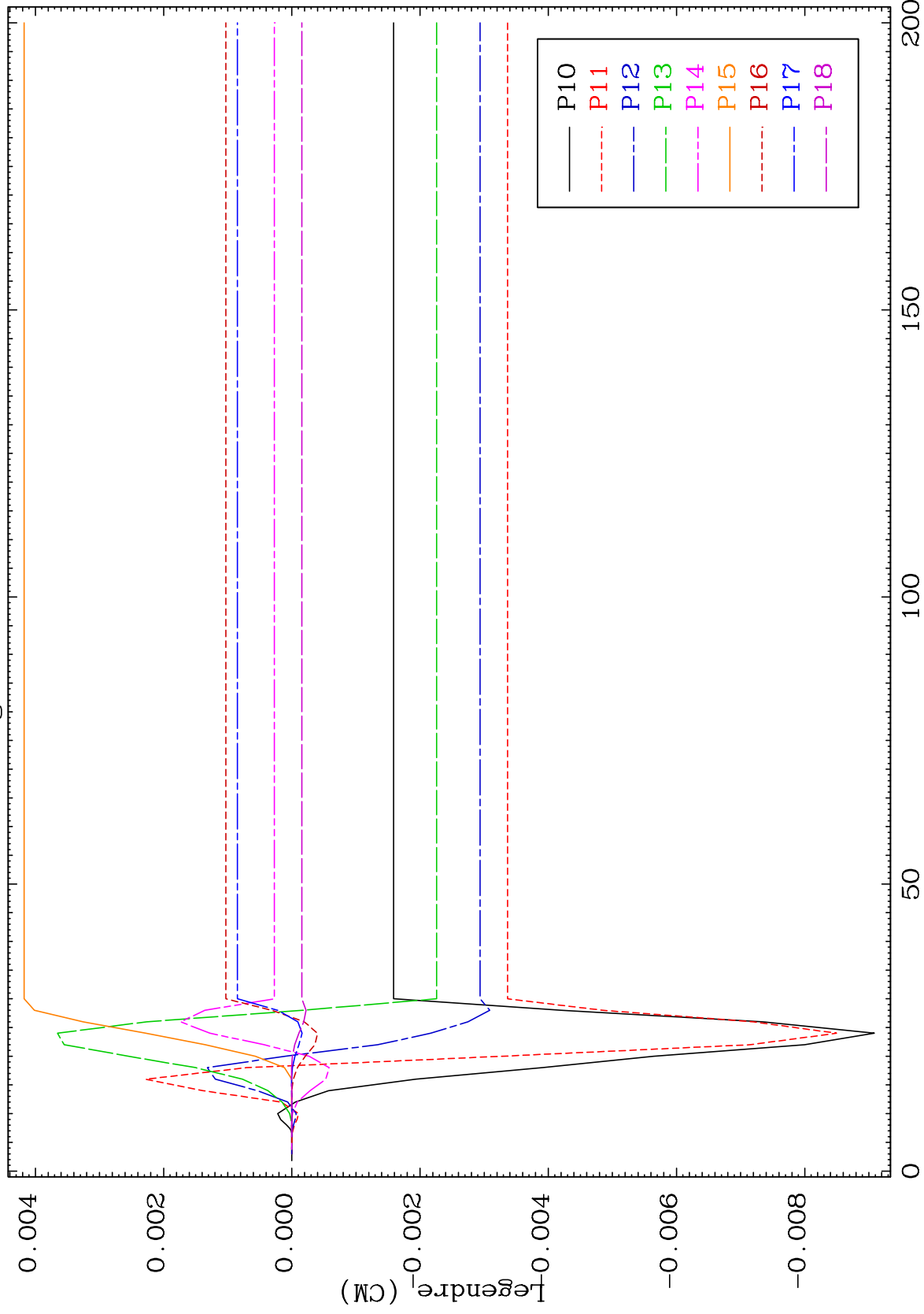
Incident Energy (MeV)

76

MAT 5804

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

58-Ce-129



77

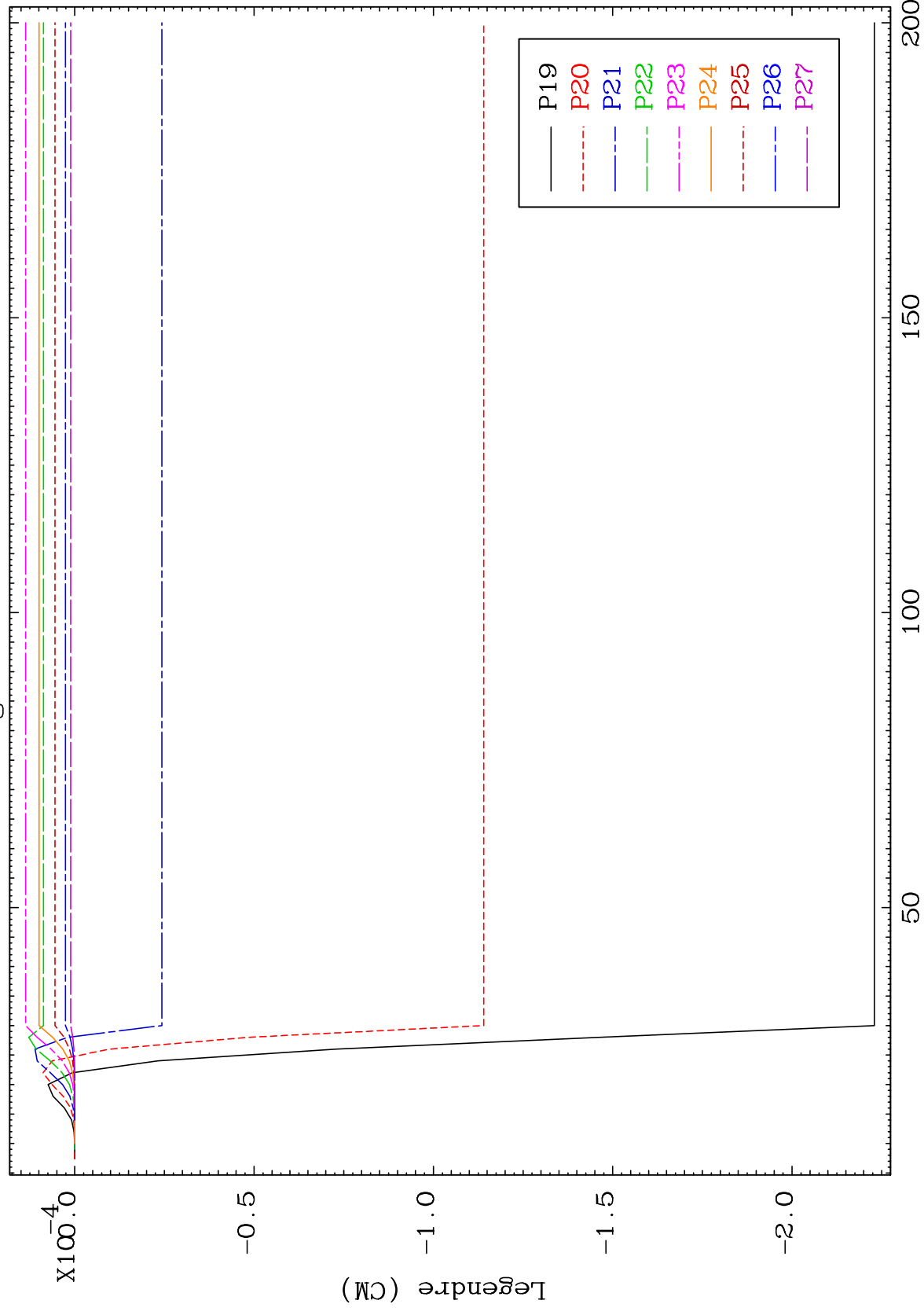
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



78

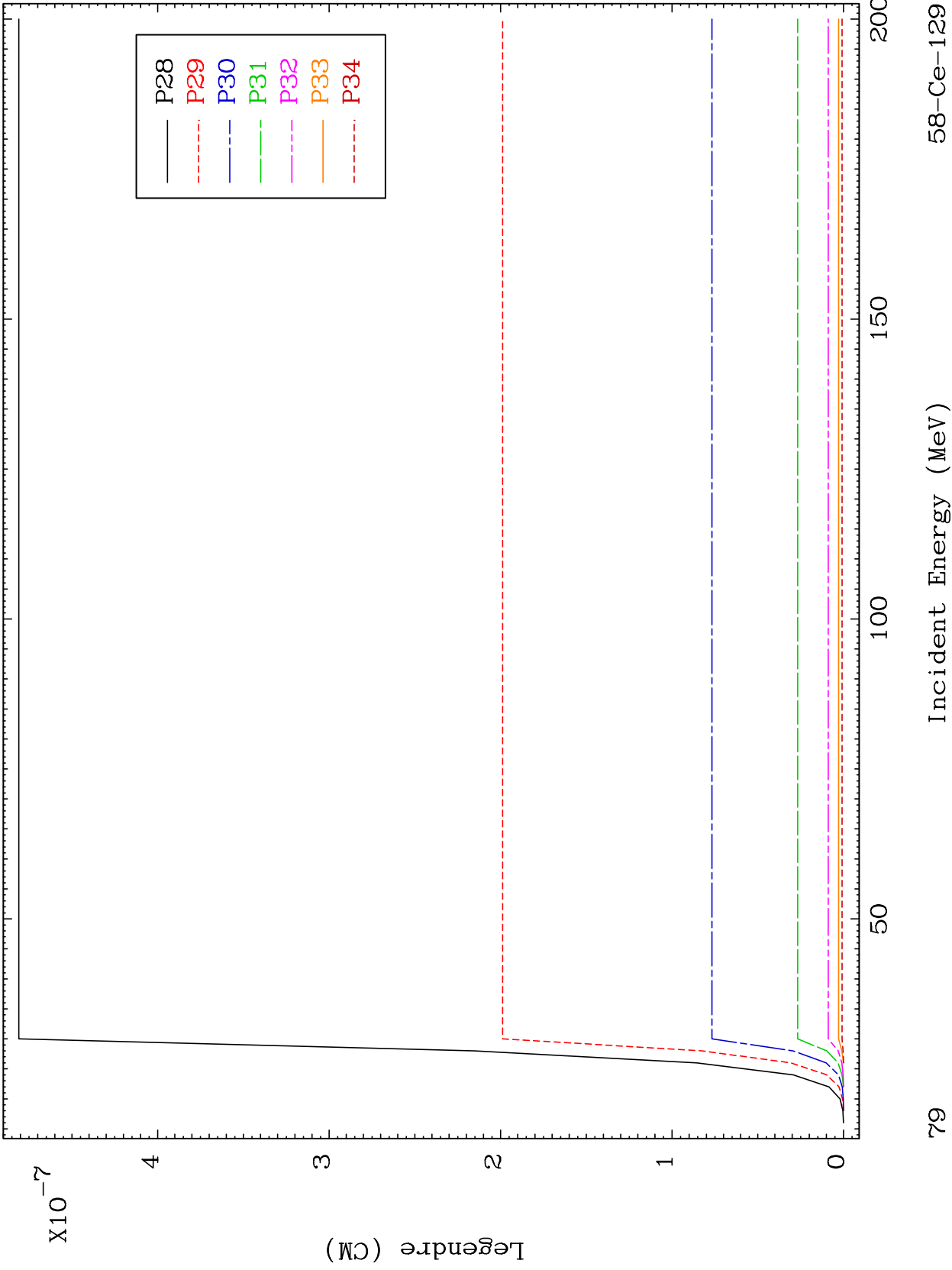
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

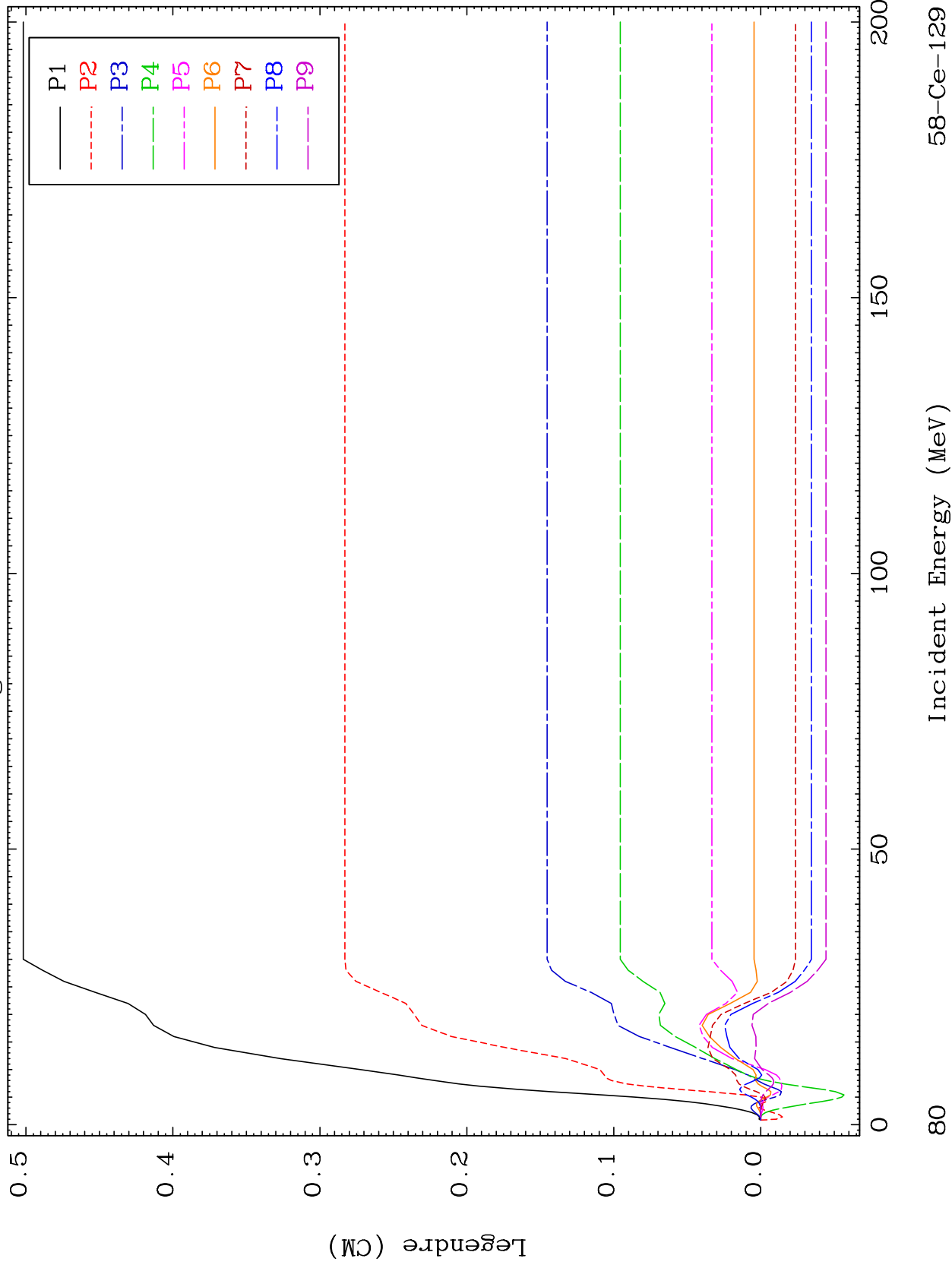
58-Ce-129



MAT 5804

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

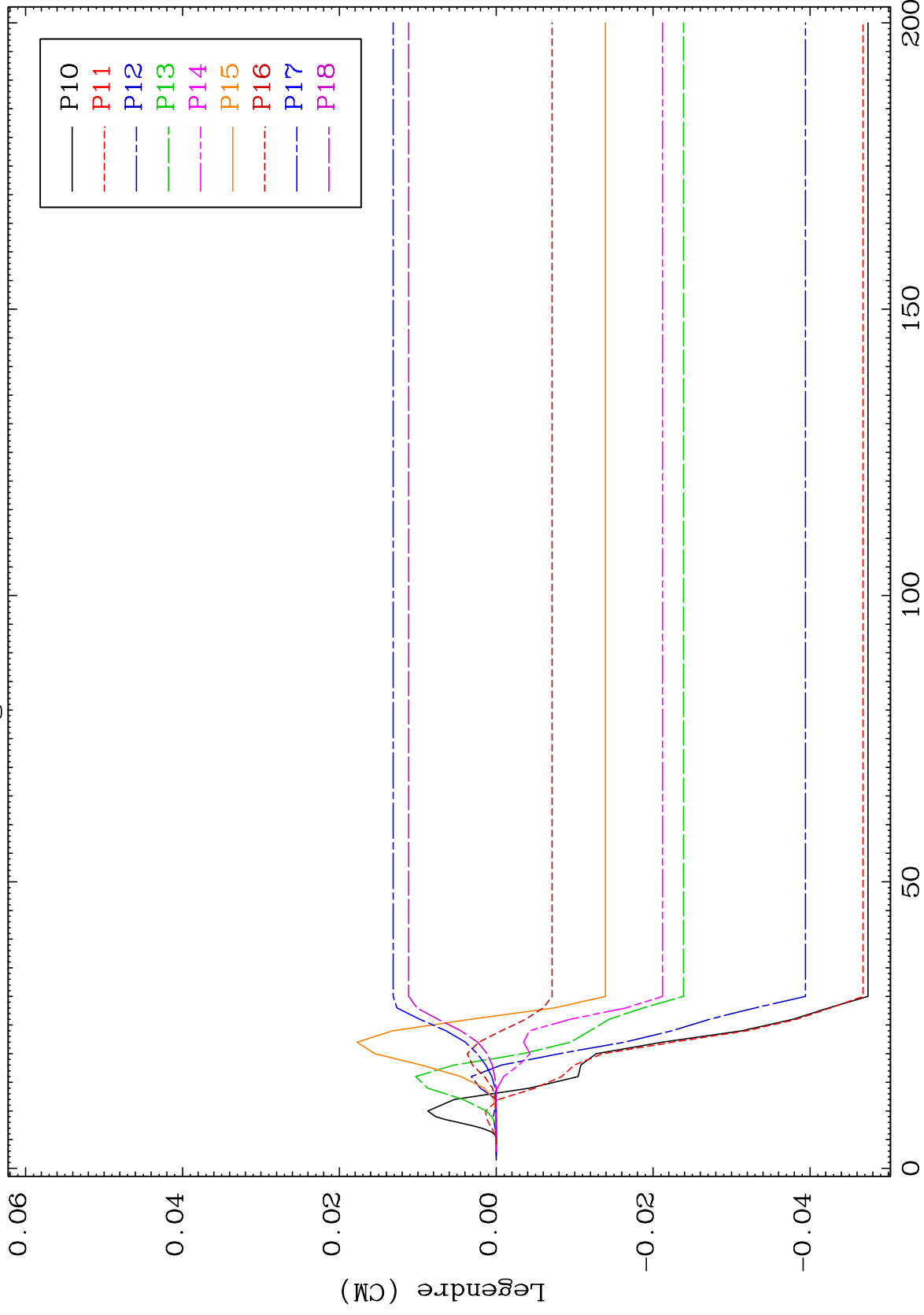
58-Ce-129



MAT 5804

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

58-Ce-129



81

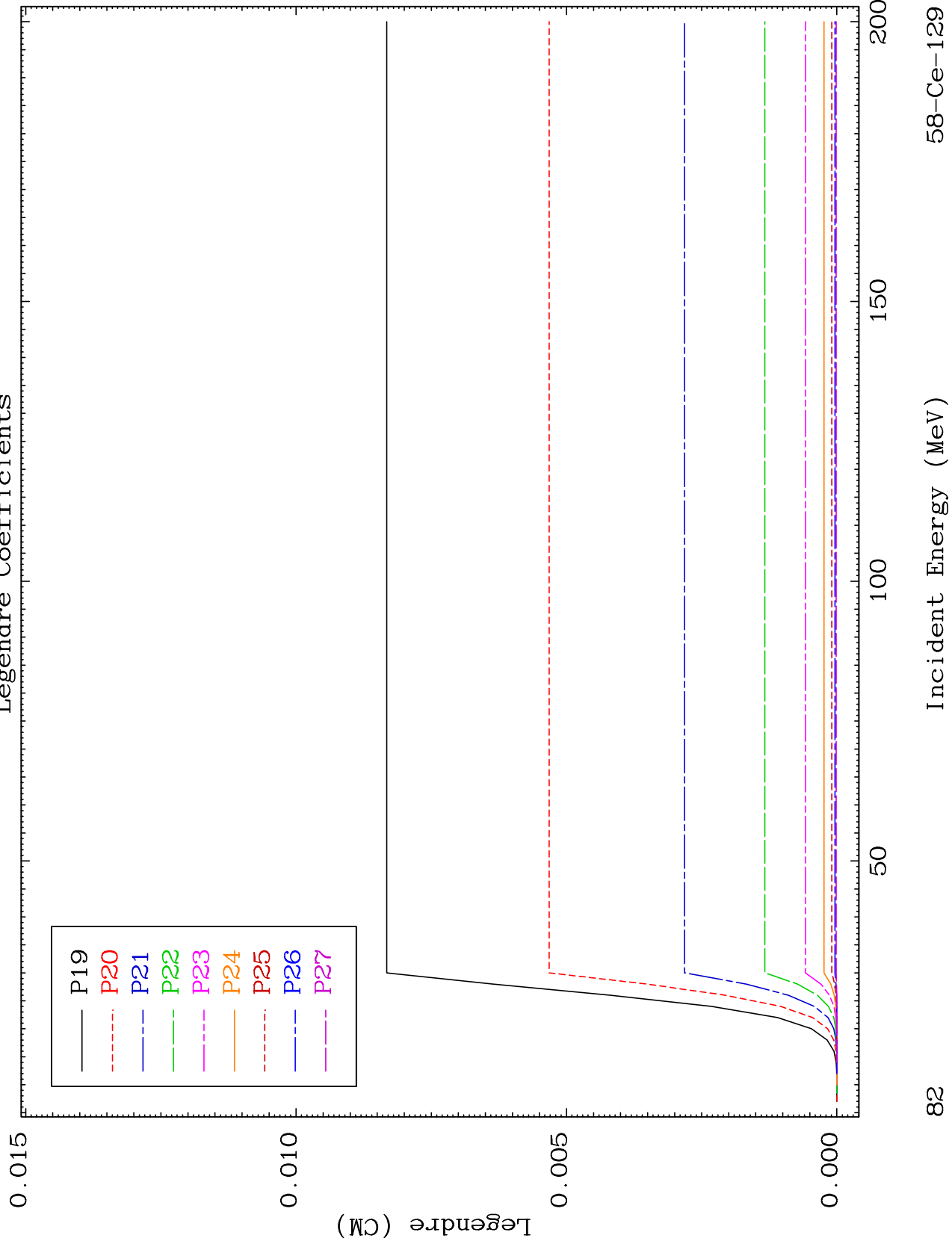
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



82

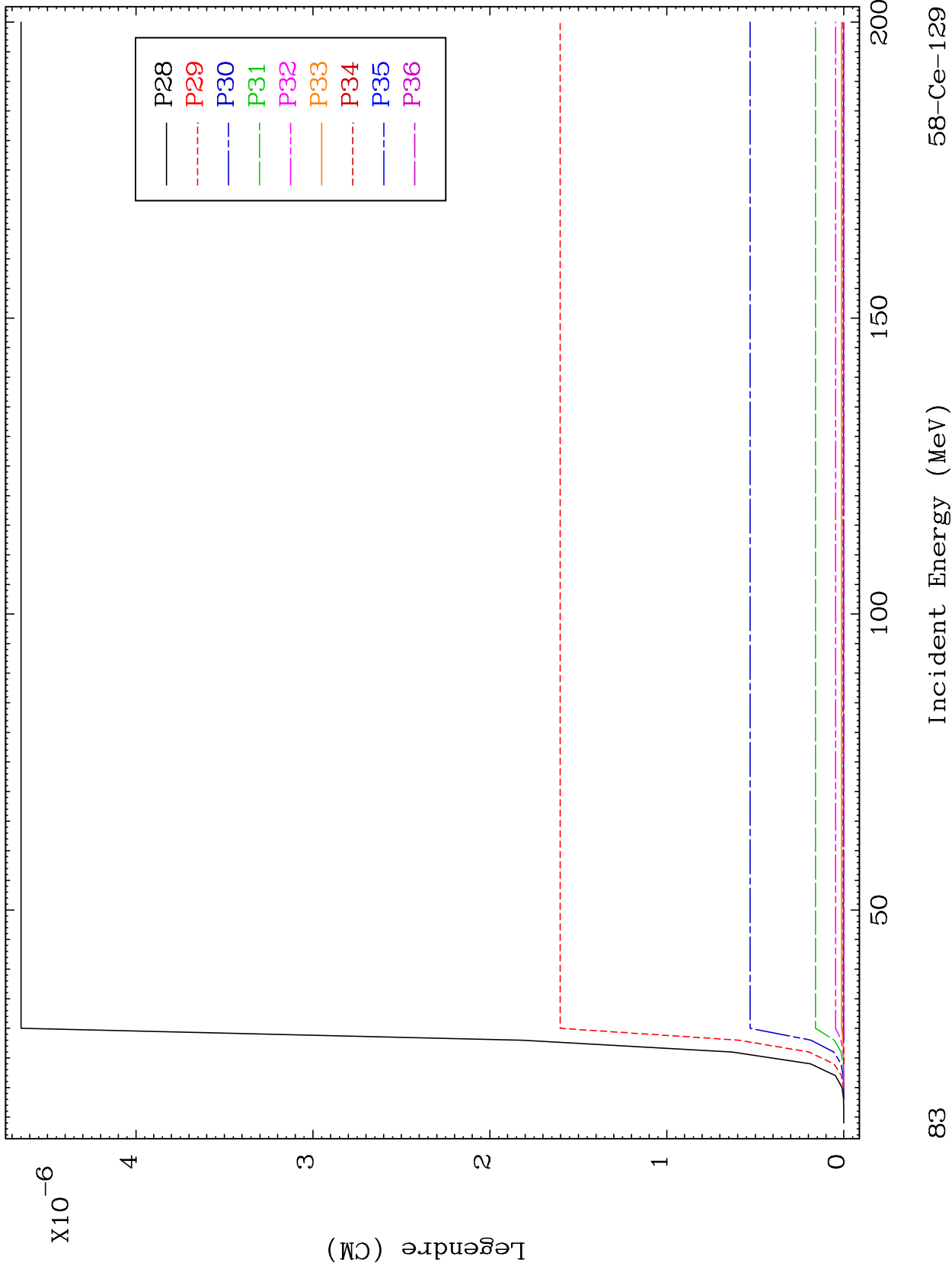
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

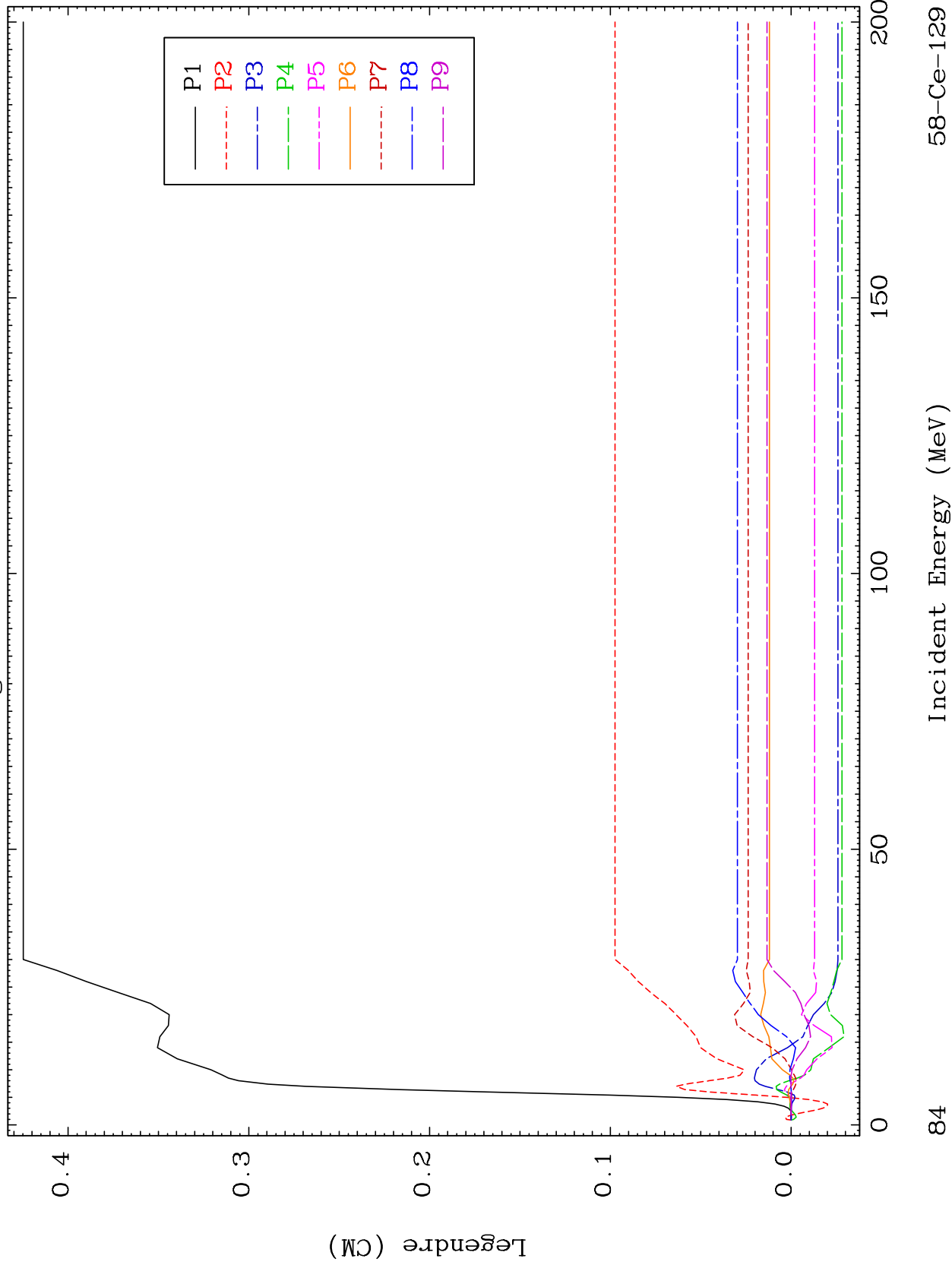
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

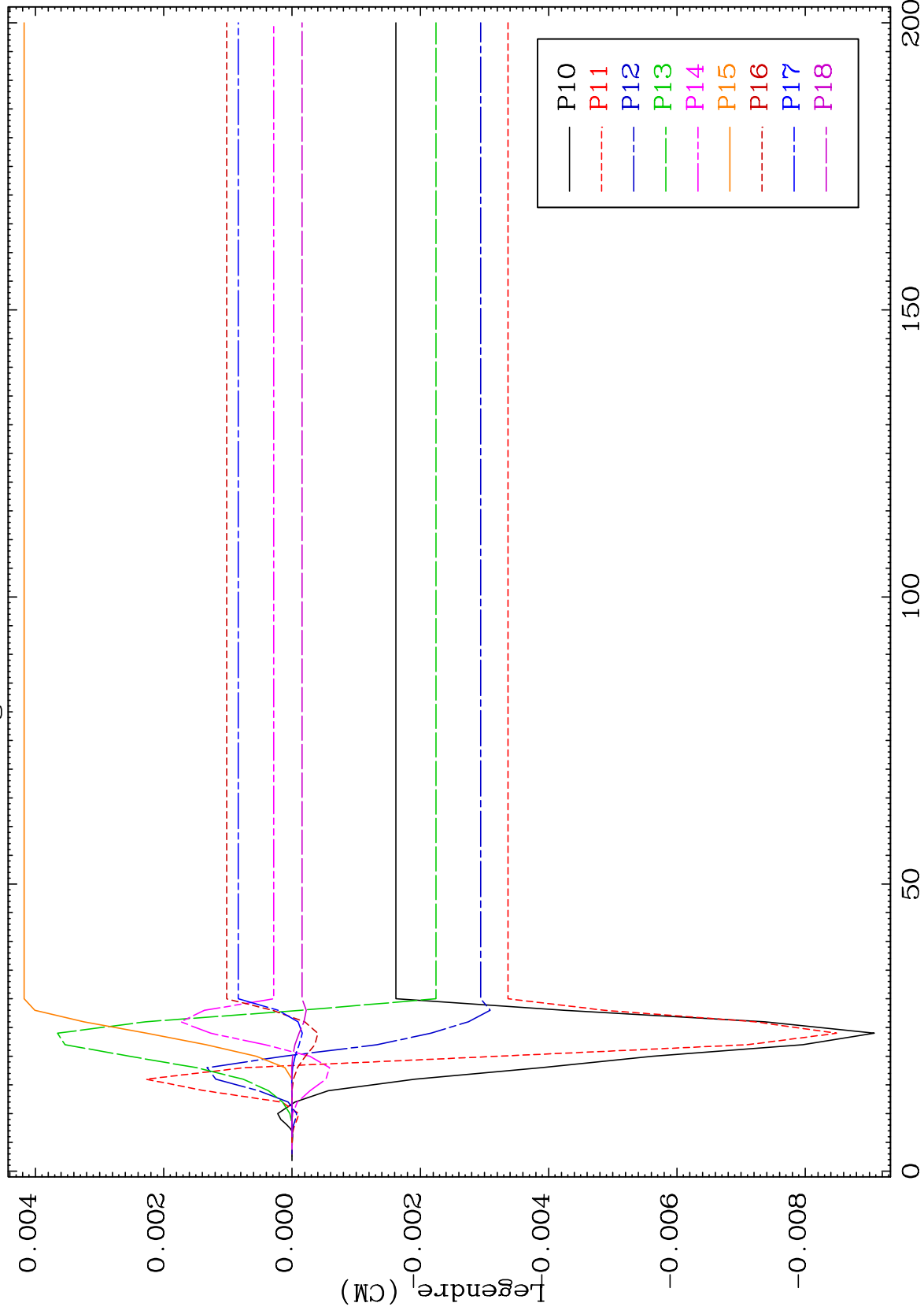
Incident Energy (MeV)

84

MAT 5804

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

58-Ce-129



85

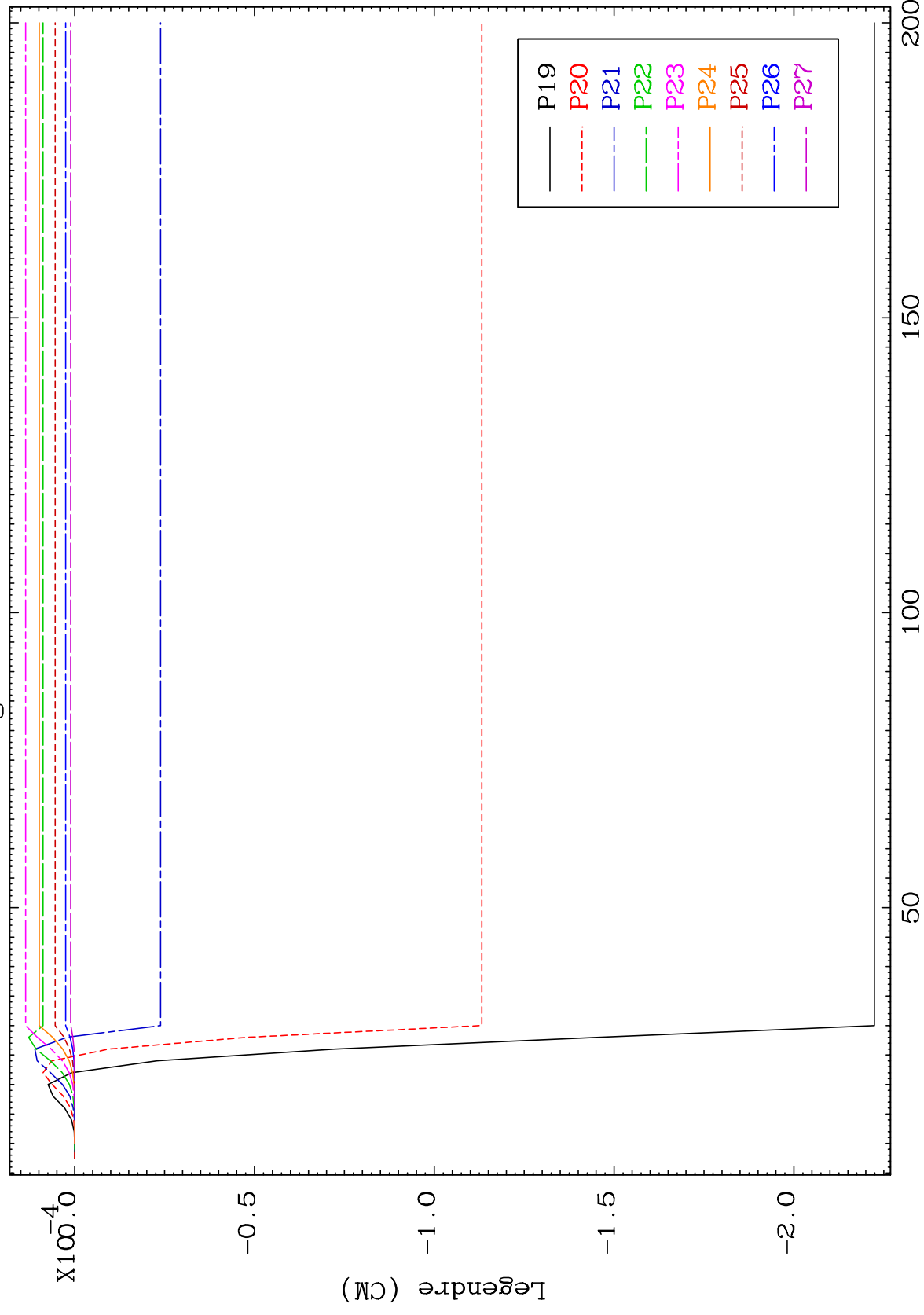
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

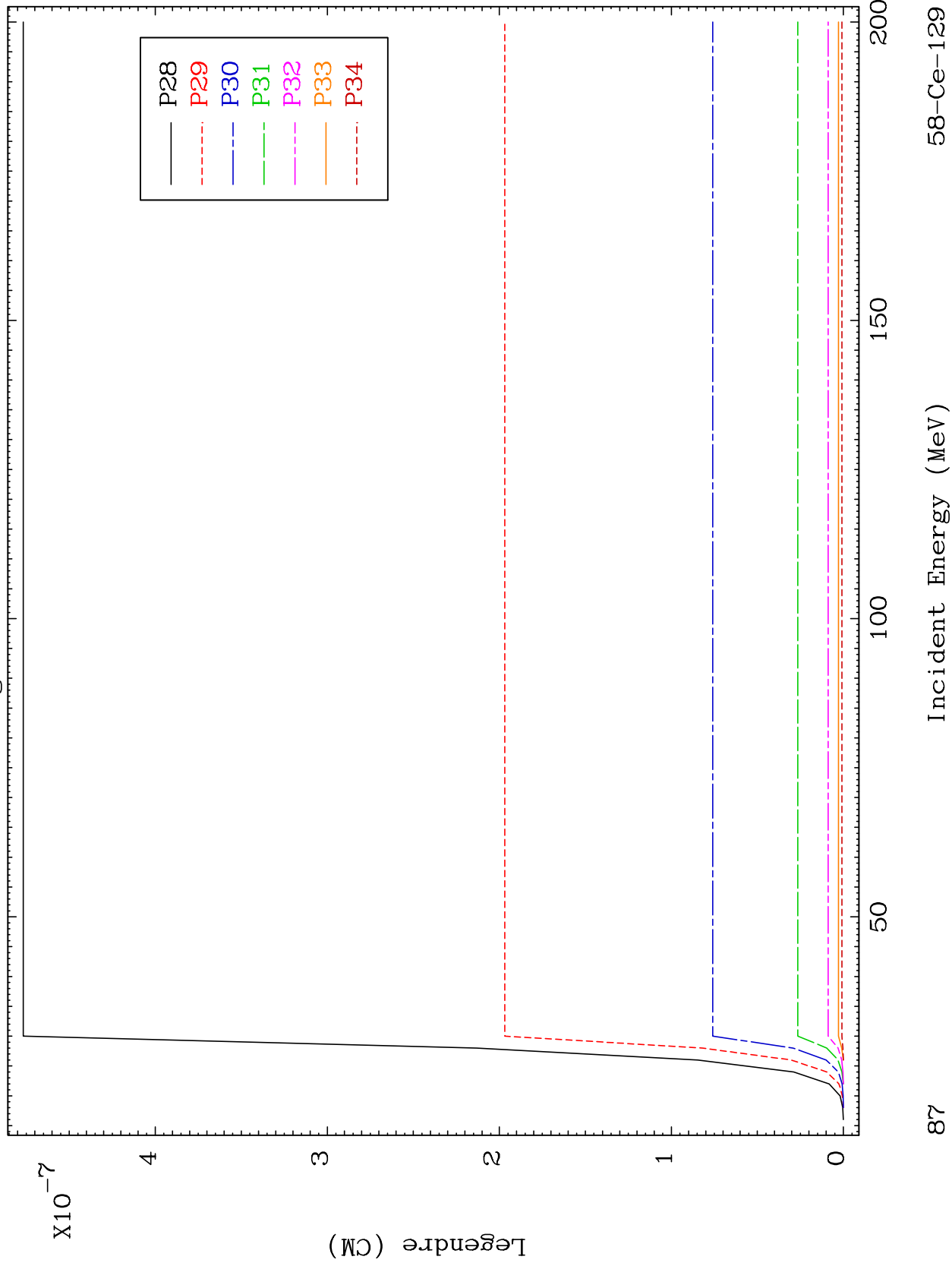
58-Ce-129



MAT 5804

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

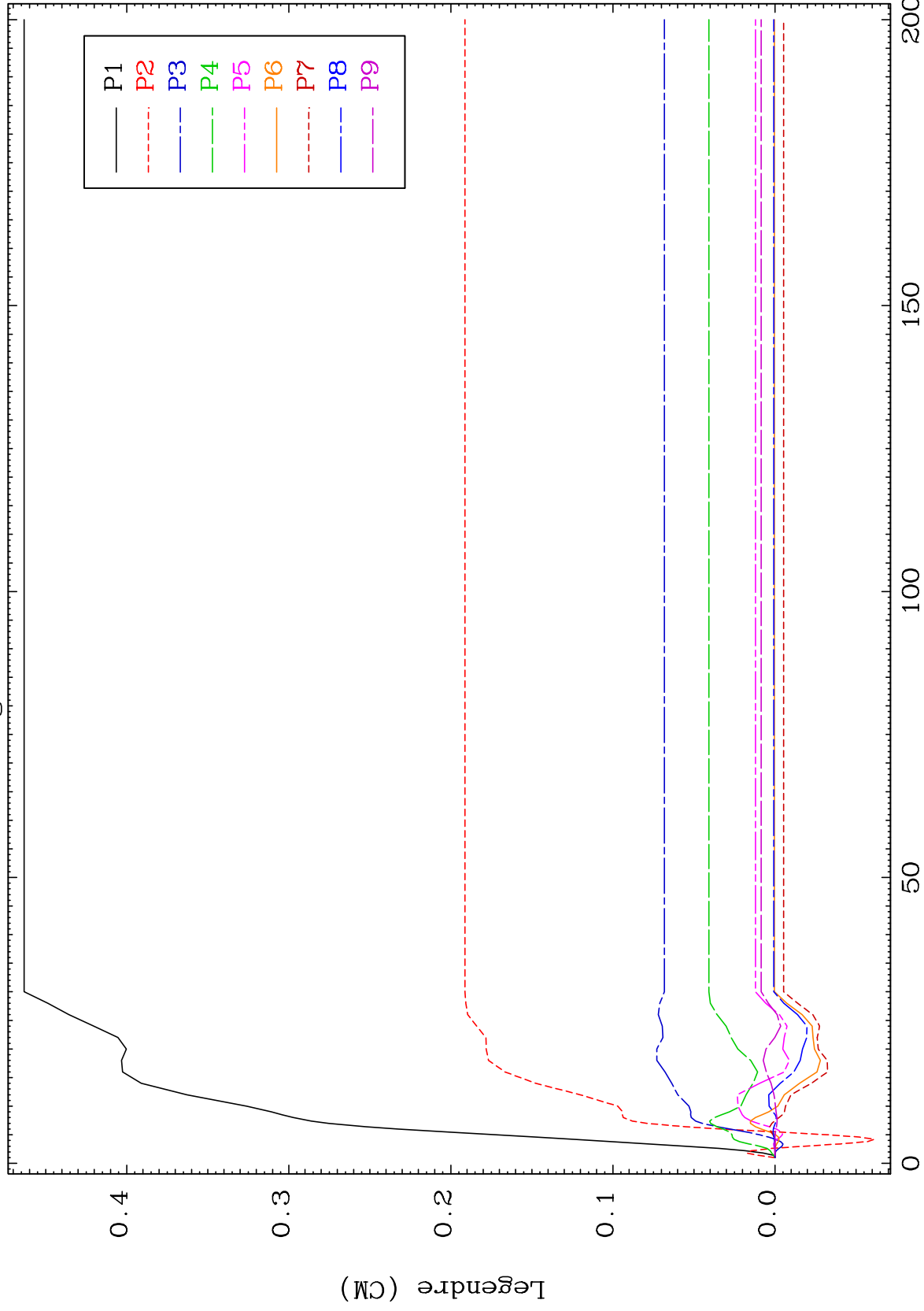
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

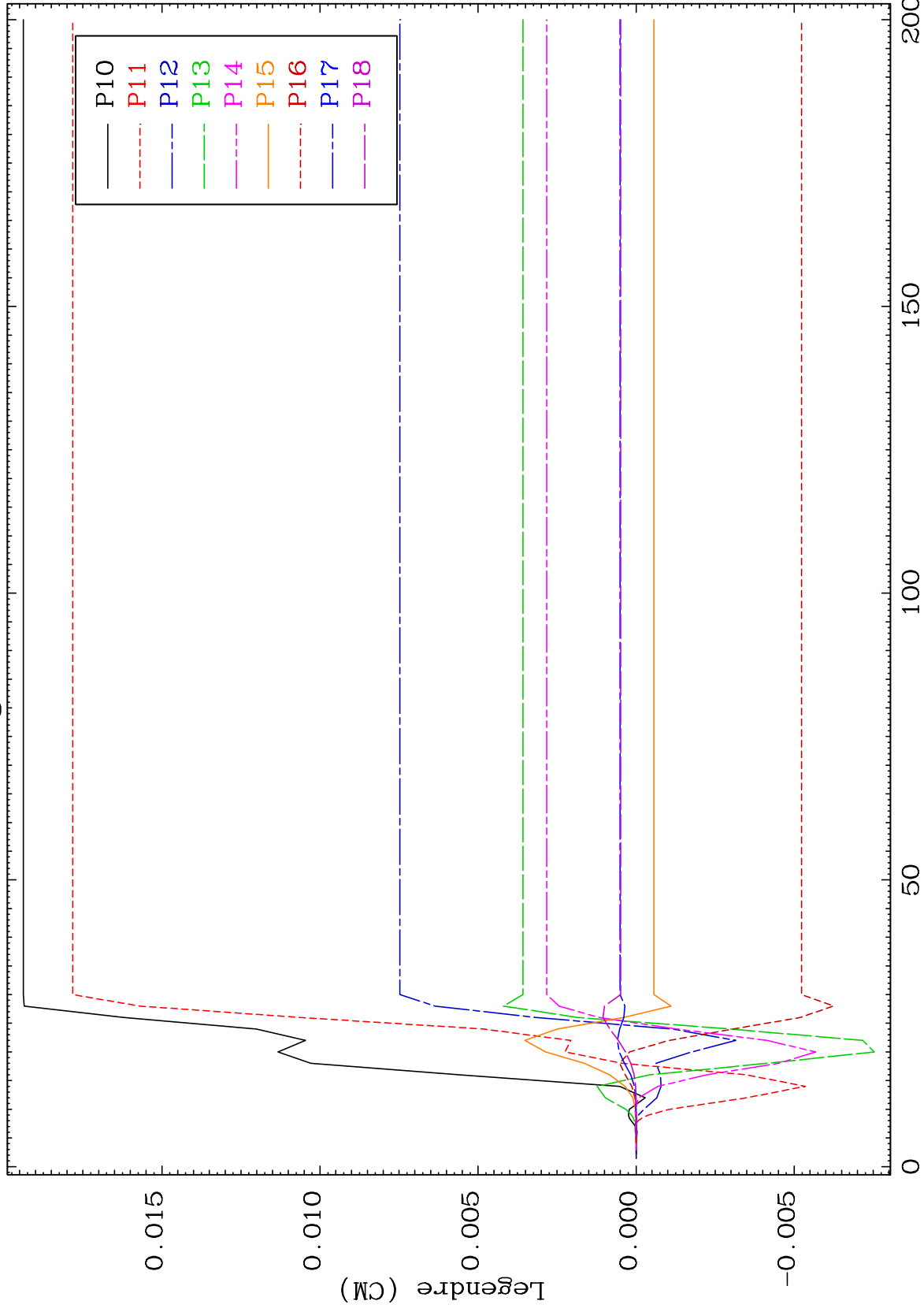
Incident Energy (MeV)

88

MAT 5804

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

58-Ce-129



89

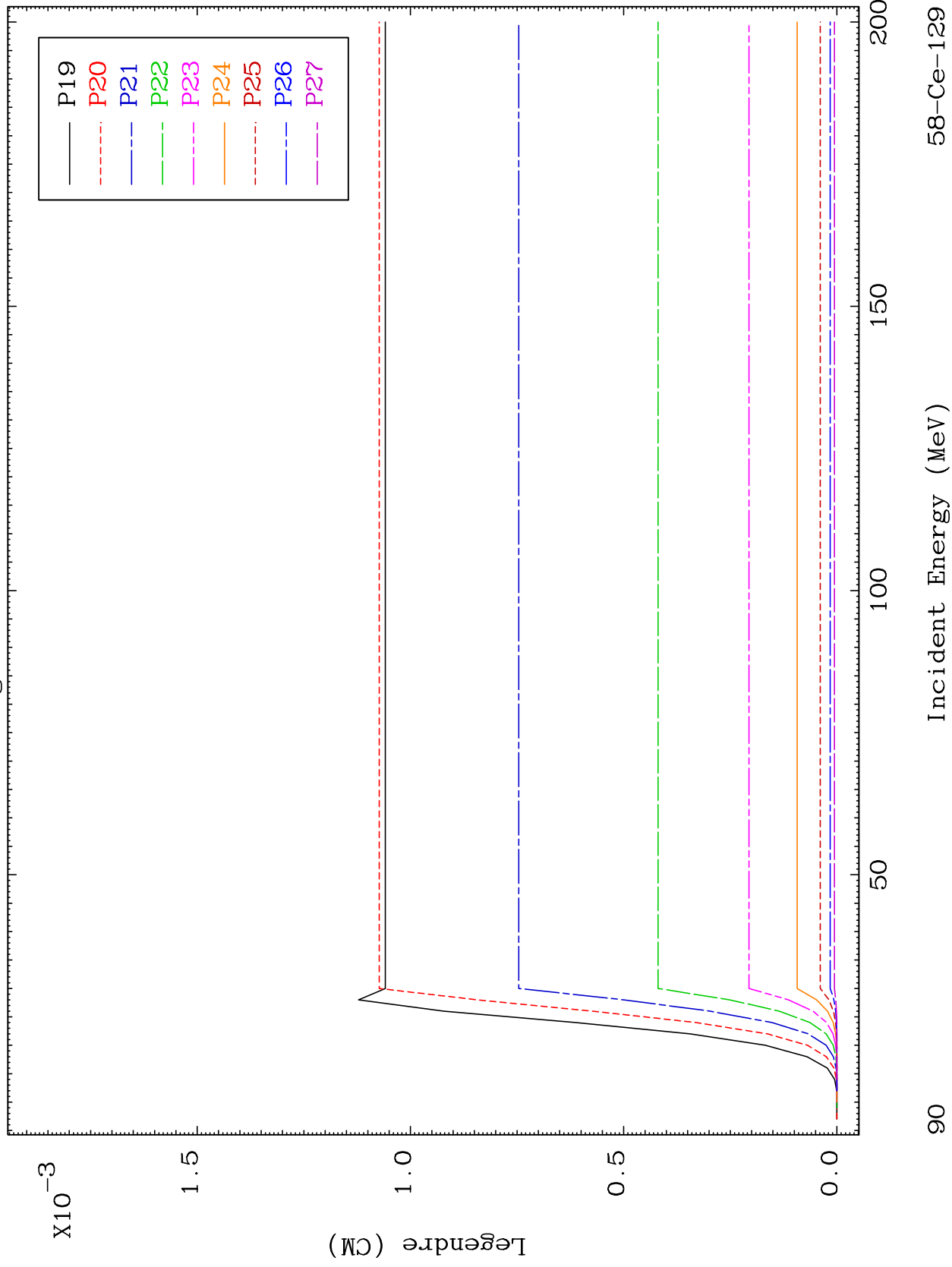
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

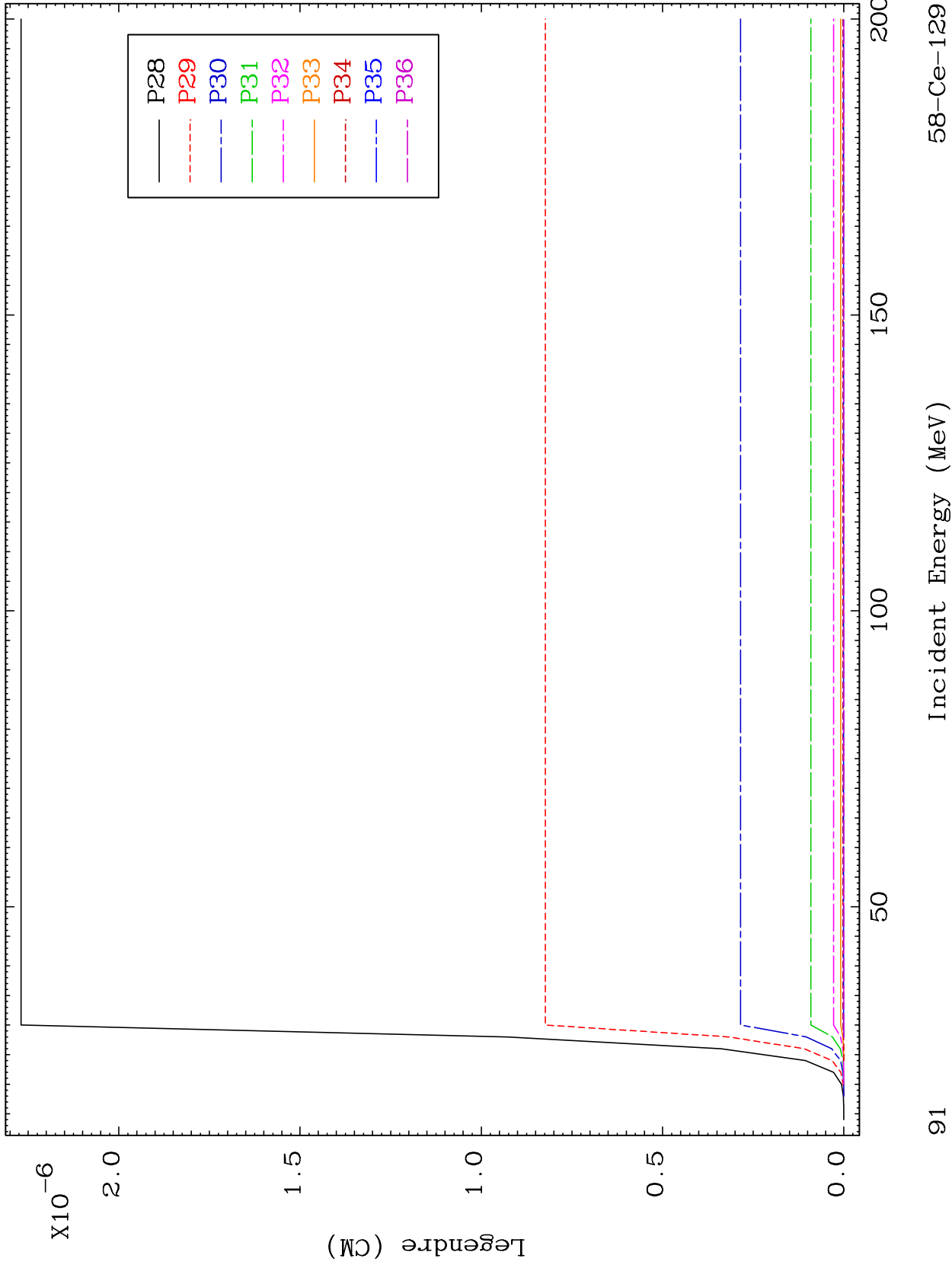
58-Ce-129



MAT 5804

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

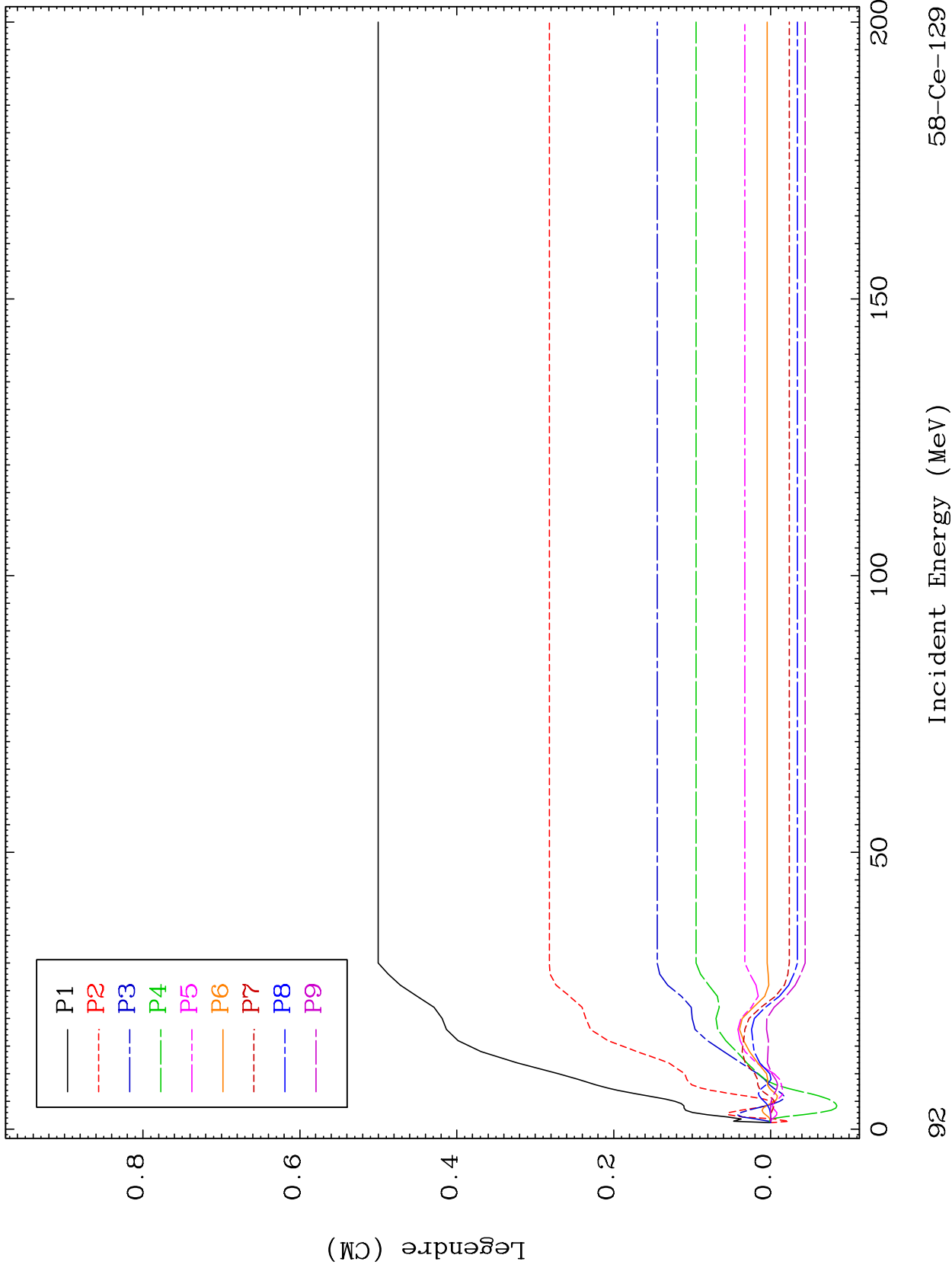
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

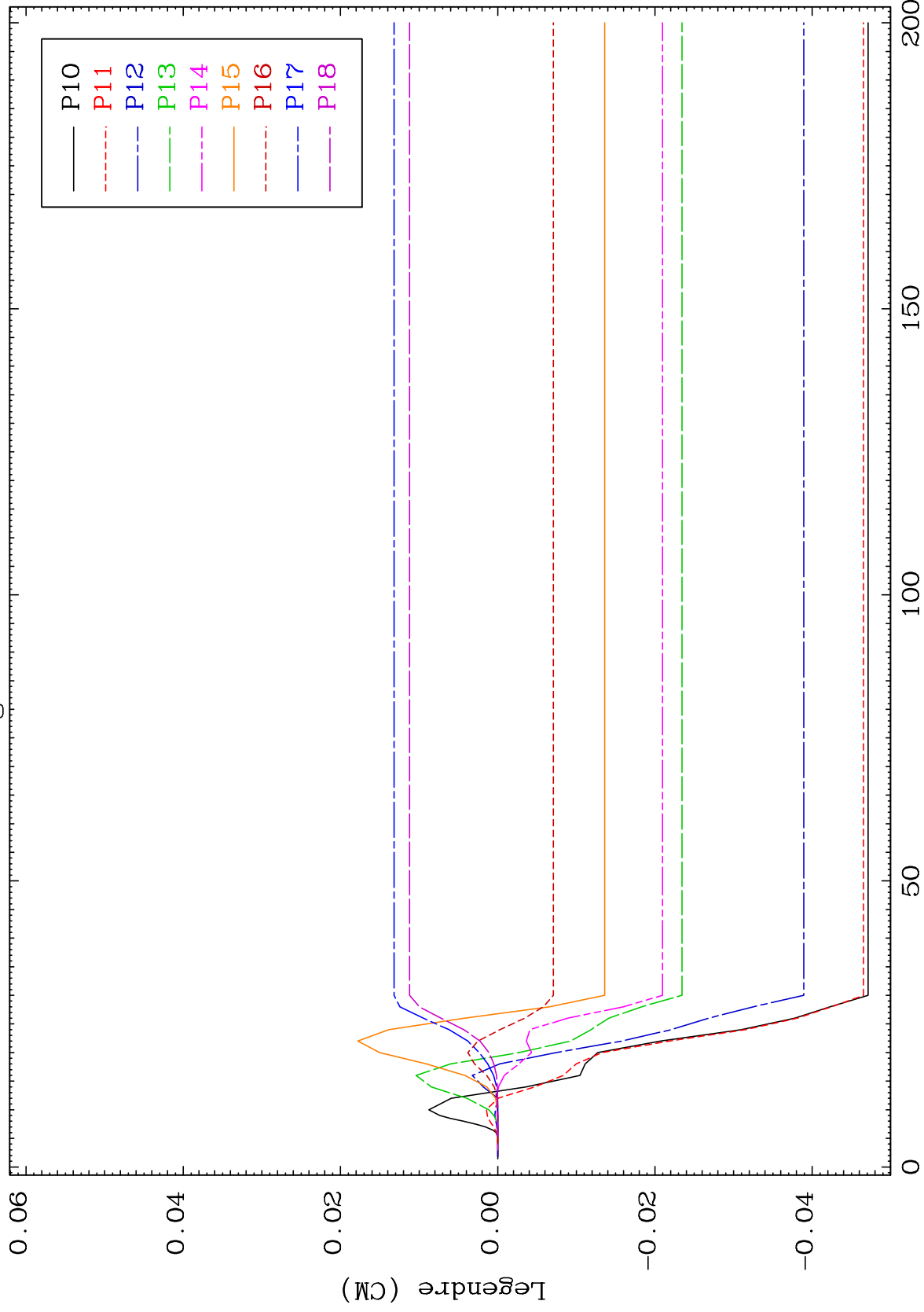
Incident Energy (MeV)

92

MAT 5804

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

58-Ce-129



93

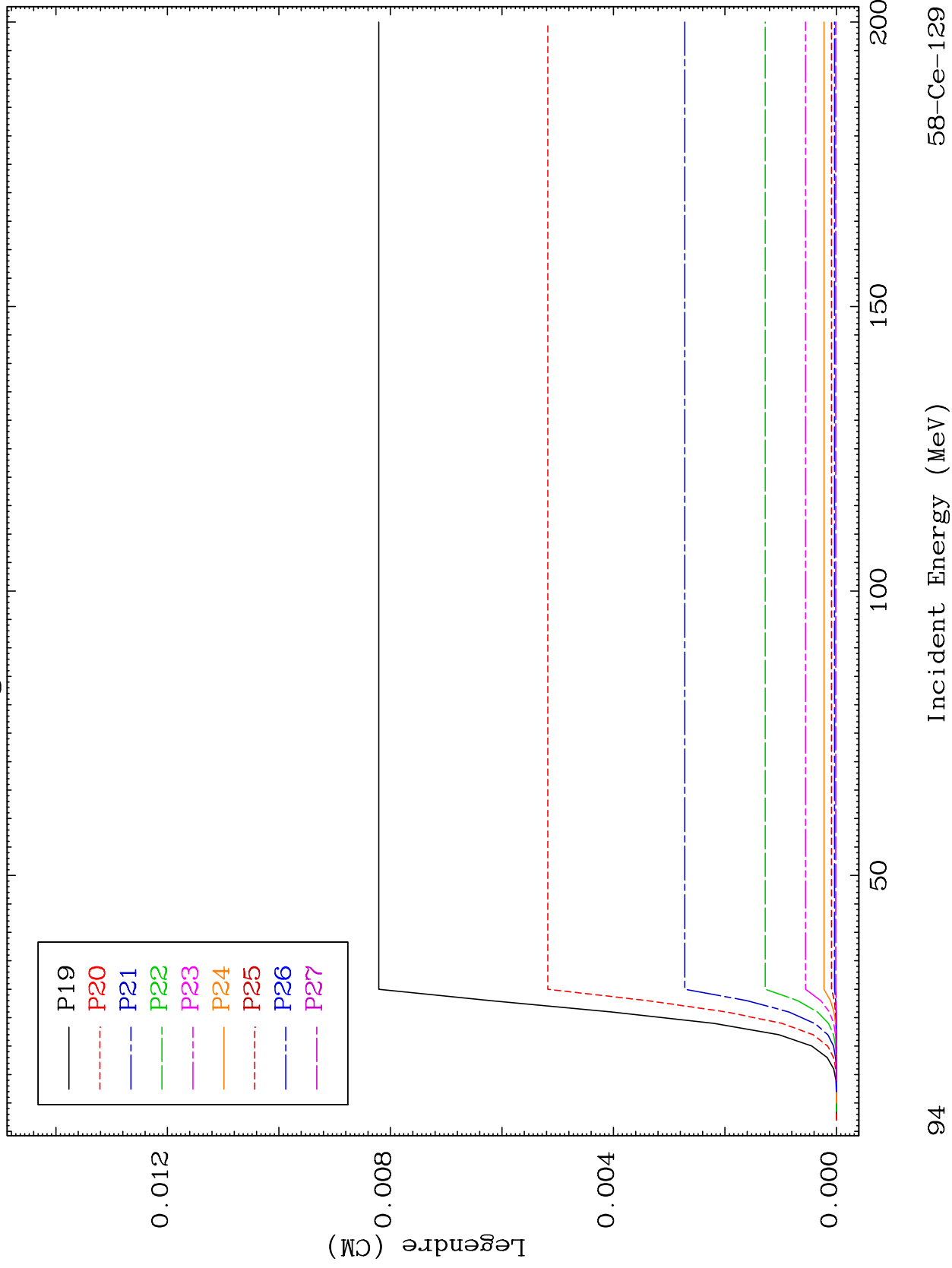
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



94

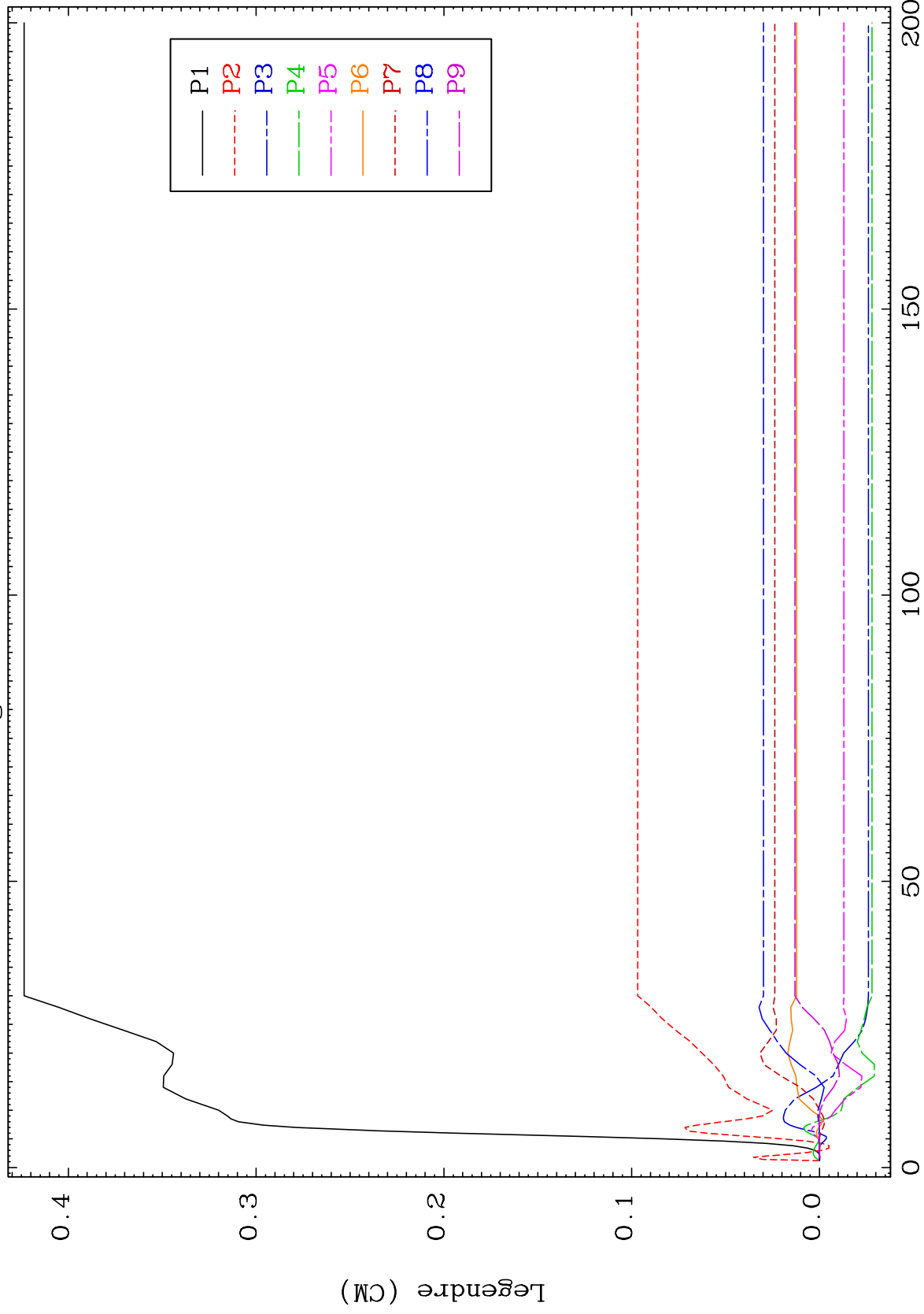
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



96

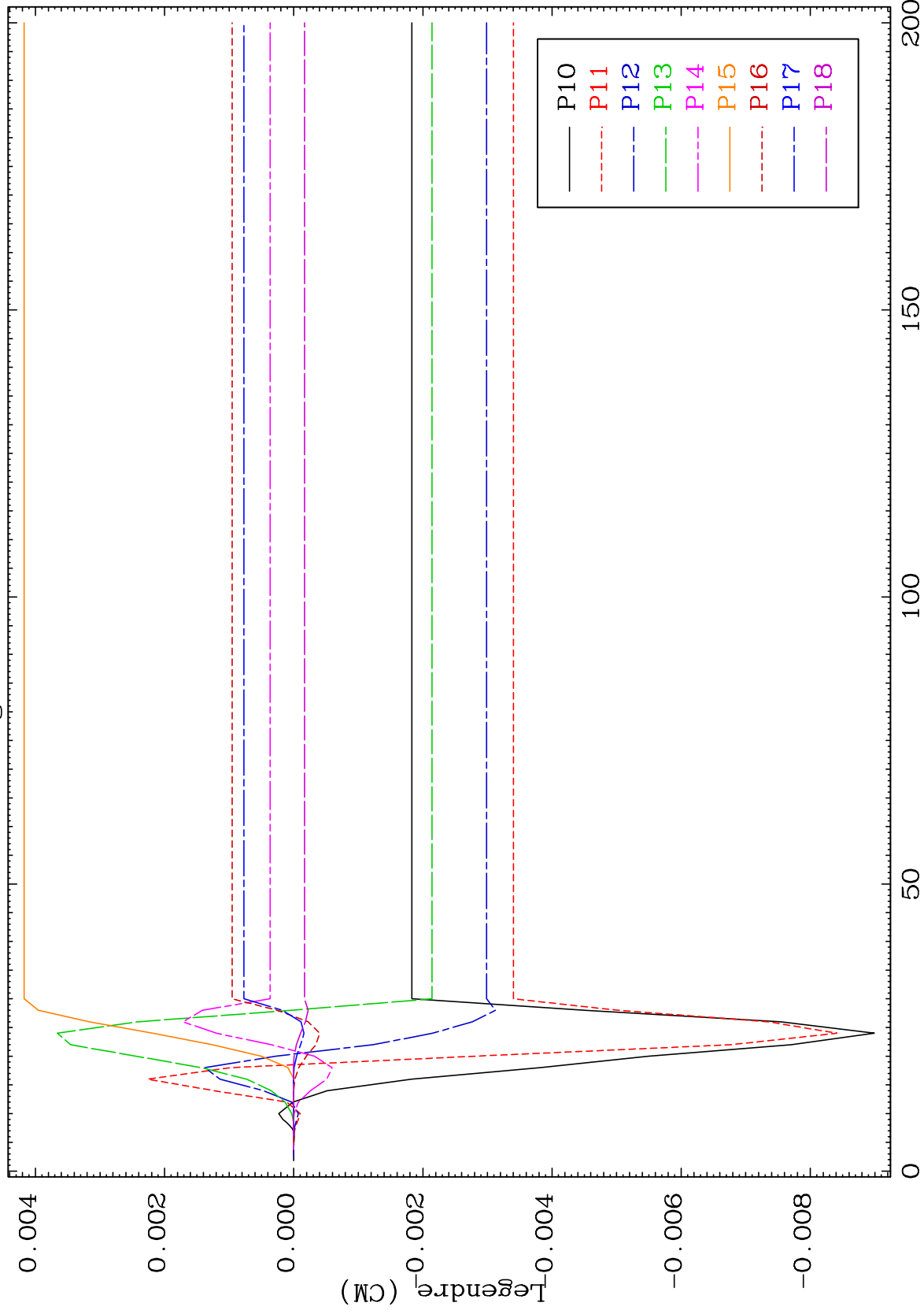
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

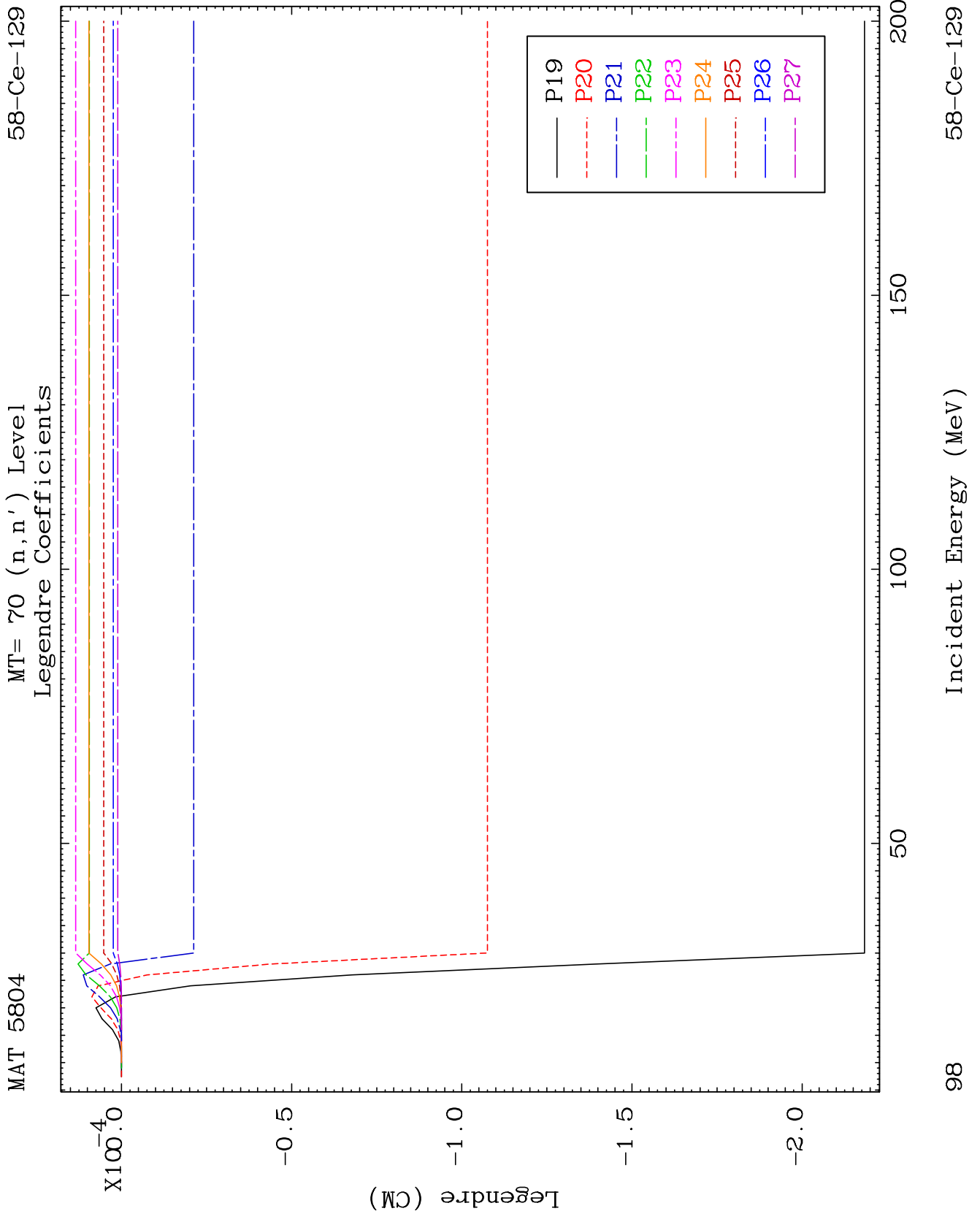
58-Ce-129



97

Incident Energy (MeV)

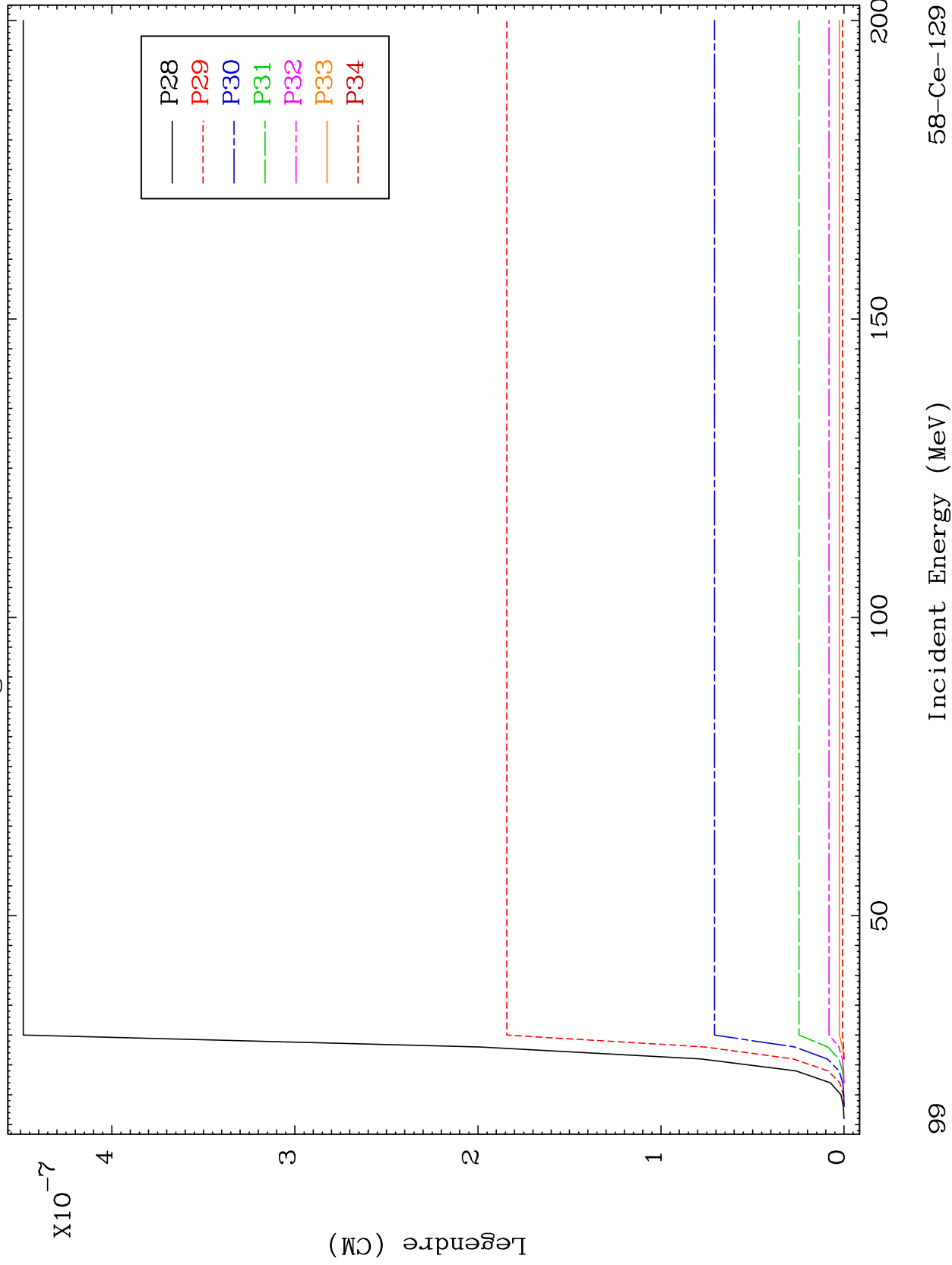
58-Ce-129



MAT 5804

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

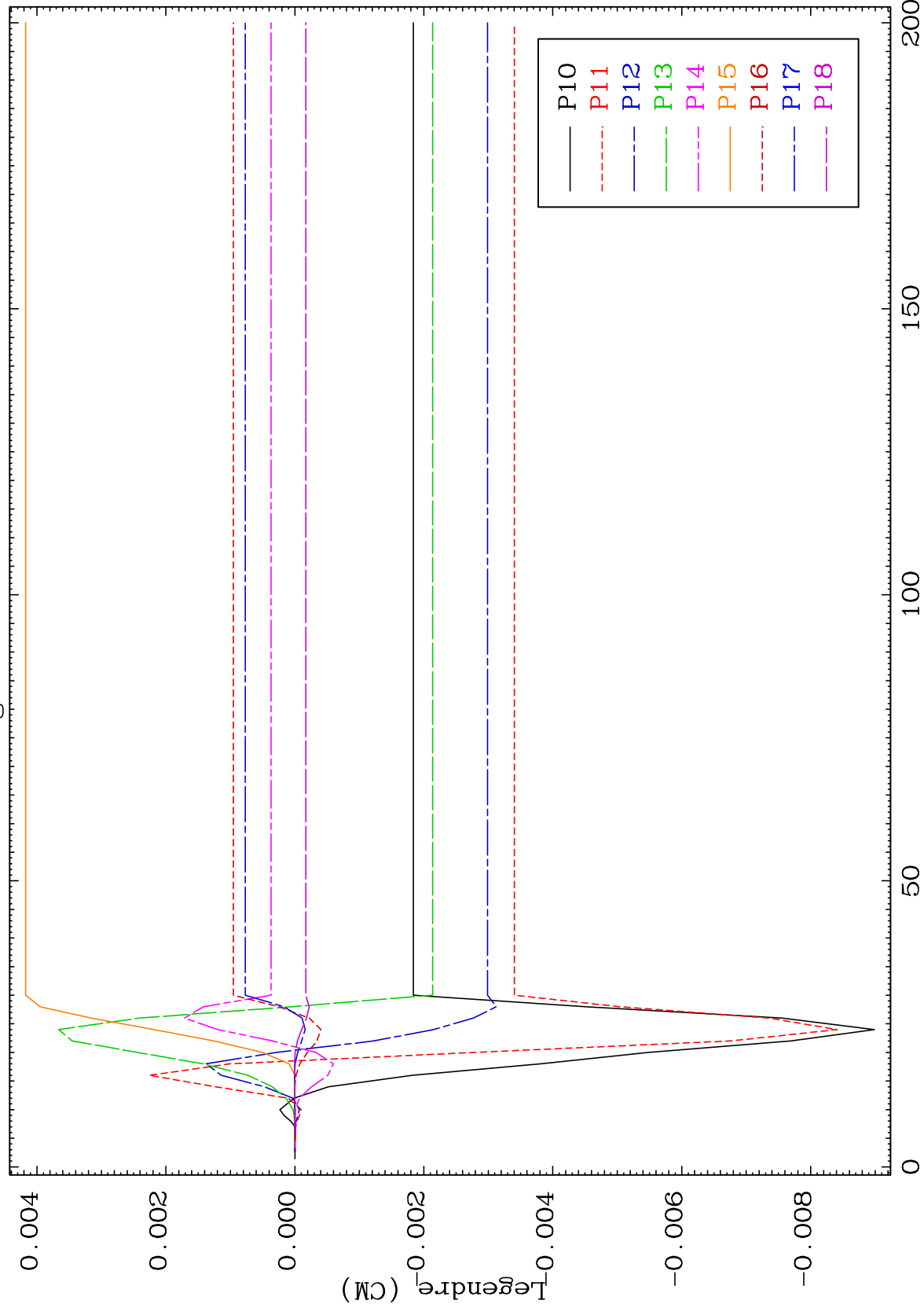
58-Ce-129



MAT 5804

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

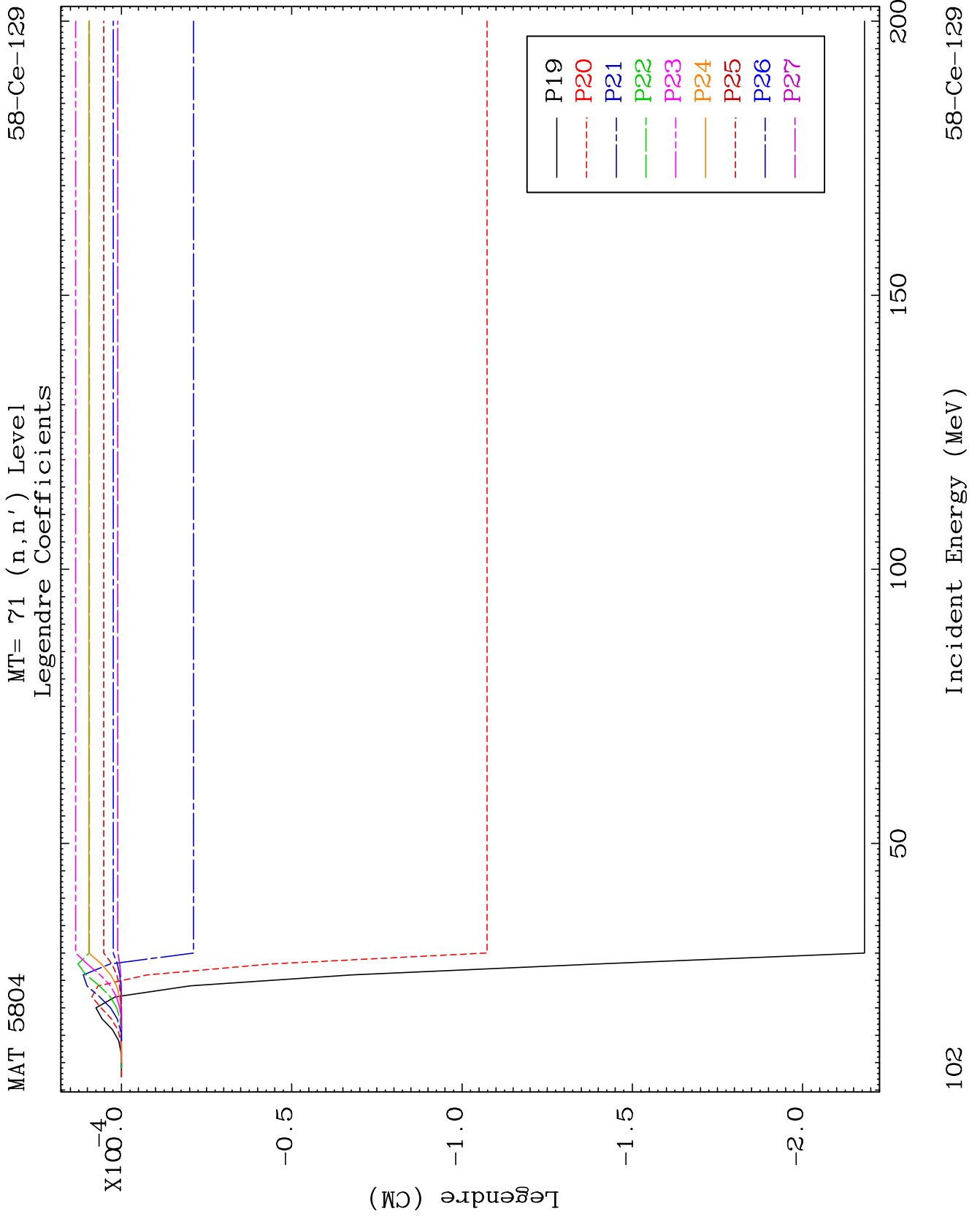
58-Ce-129



101

Incident Energy (MeV)

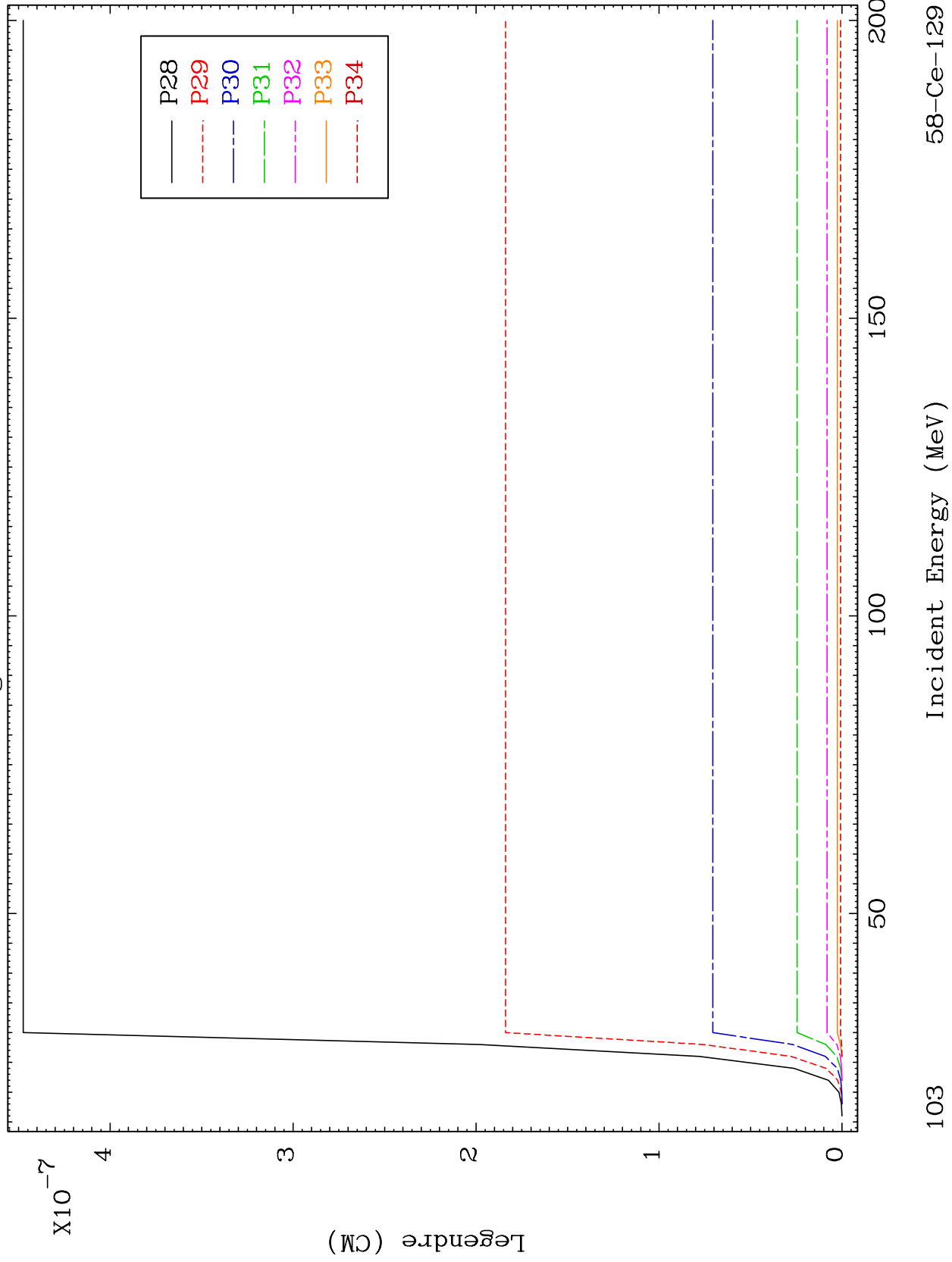
58-Ce-129



MAT 5804

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

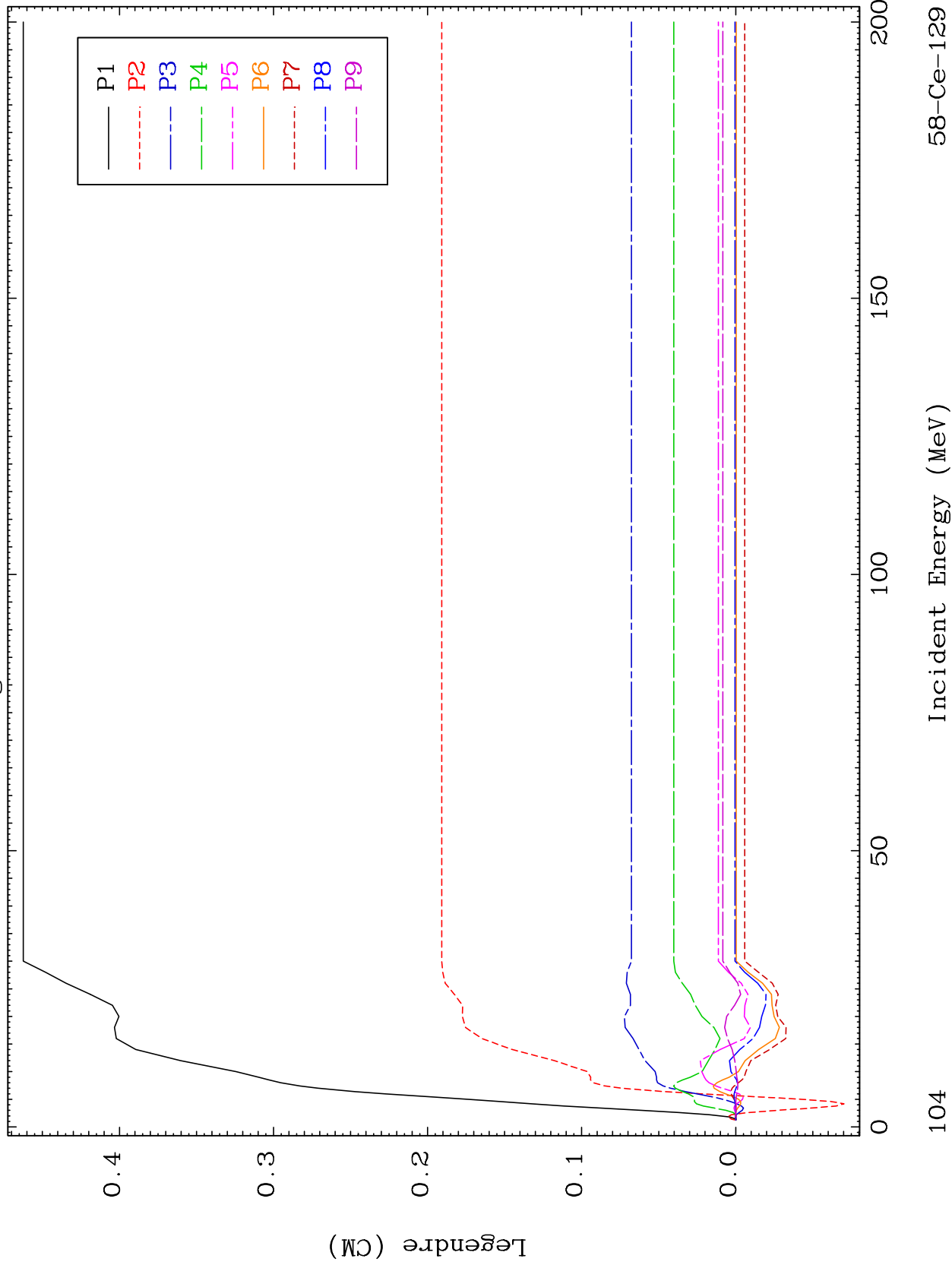
58-Ce-129



MAT 5804

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

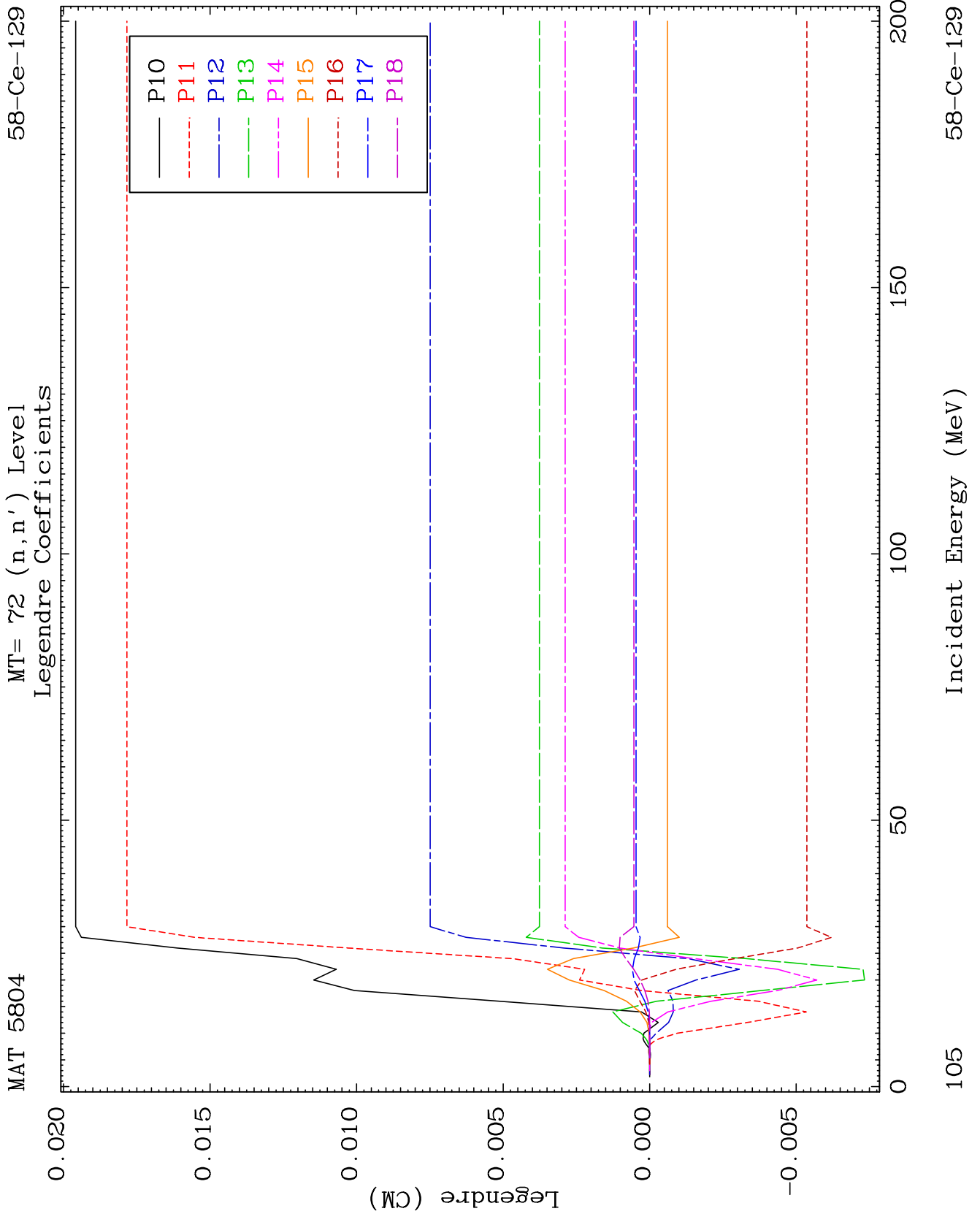
58-Ce-129



58-Ce-129

Incident Energy (MeV)

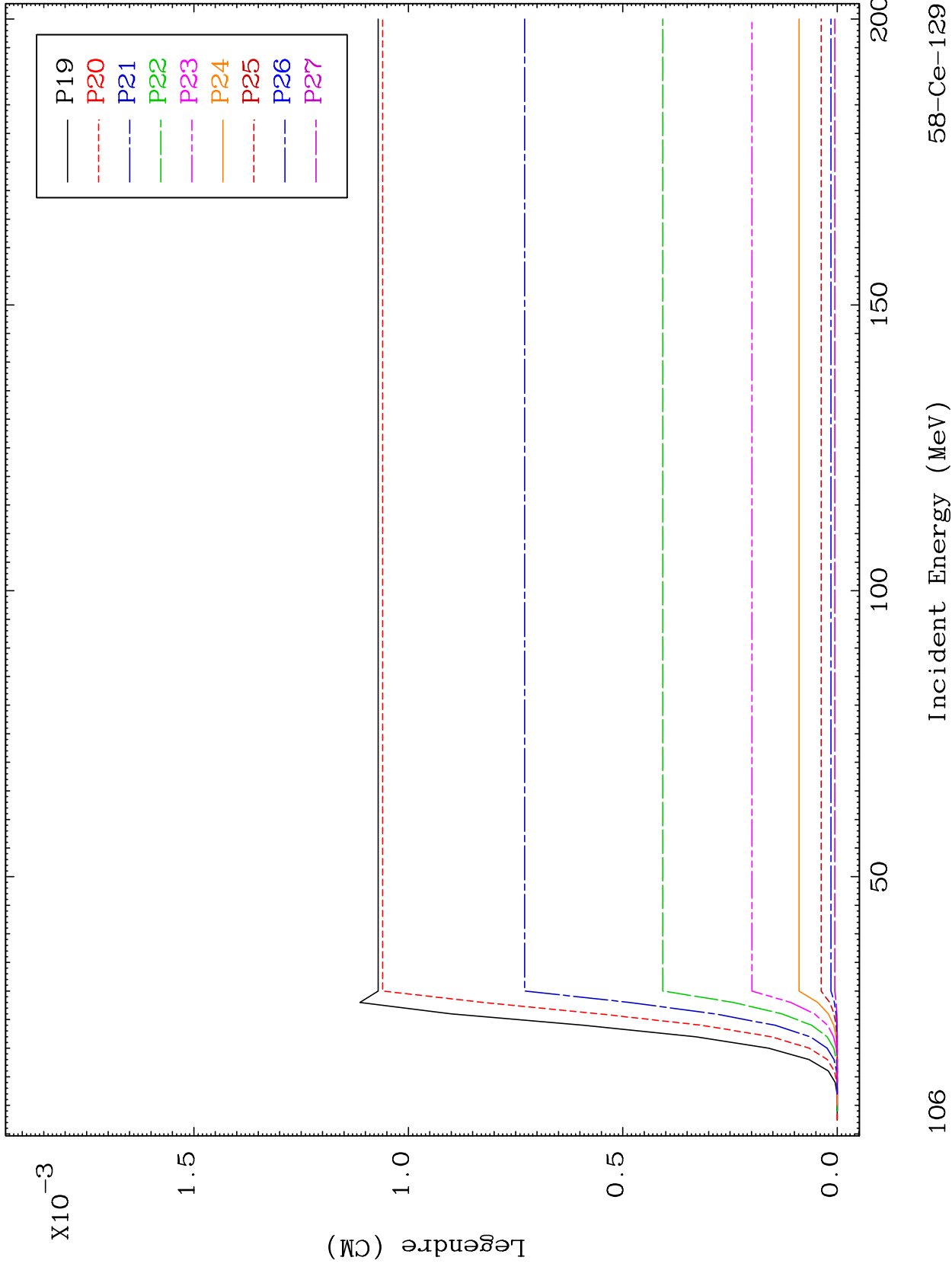
104



MAT 5804

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

58-Ce-129



106

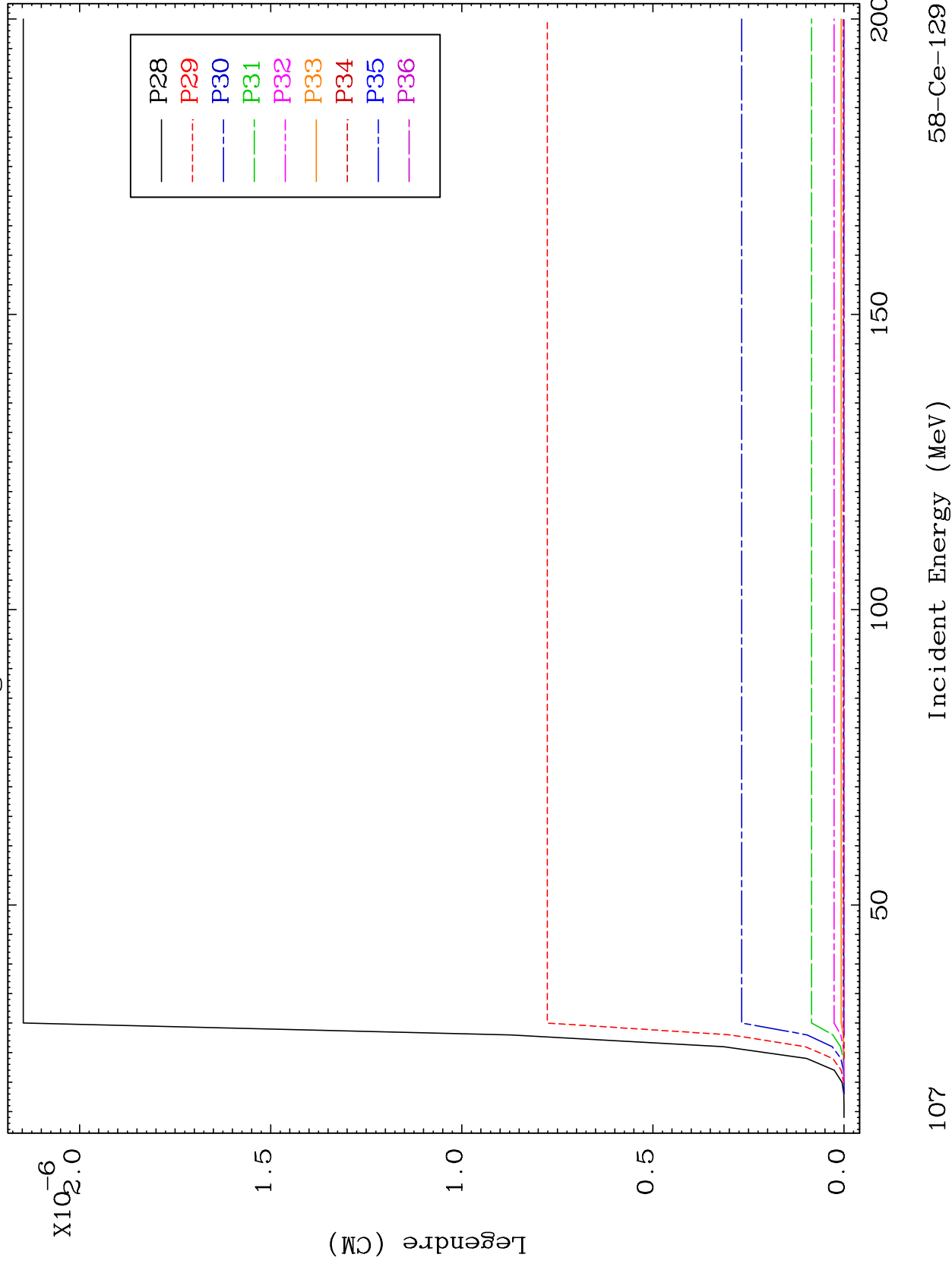
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



107

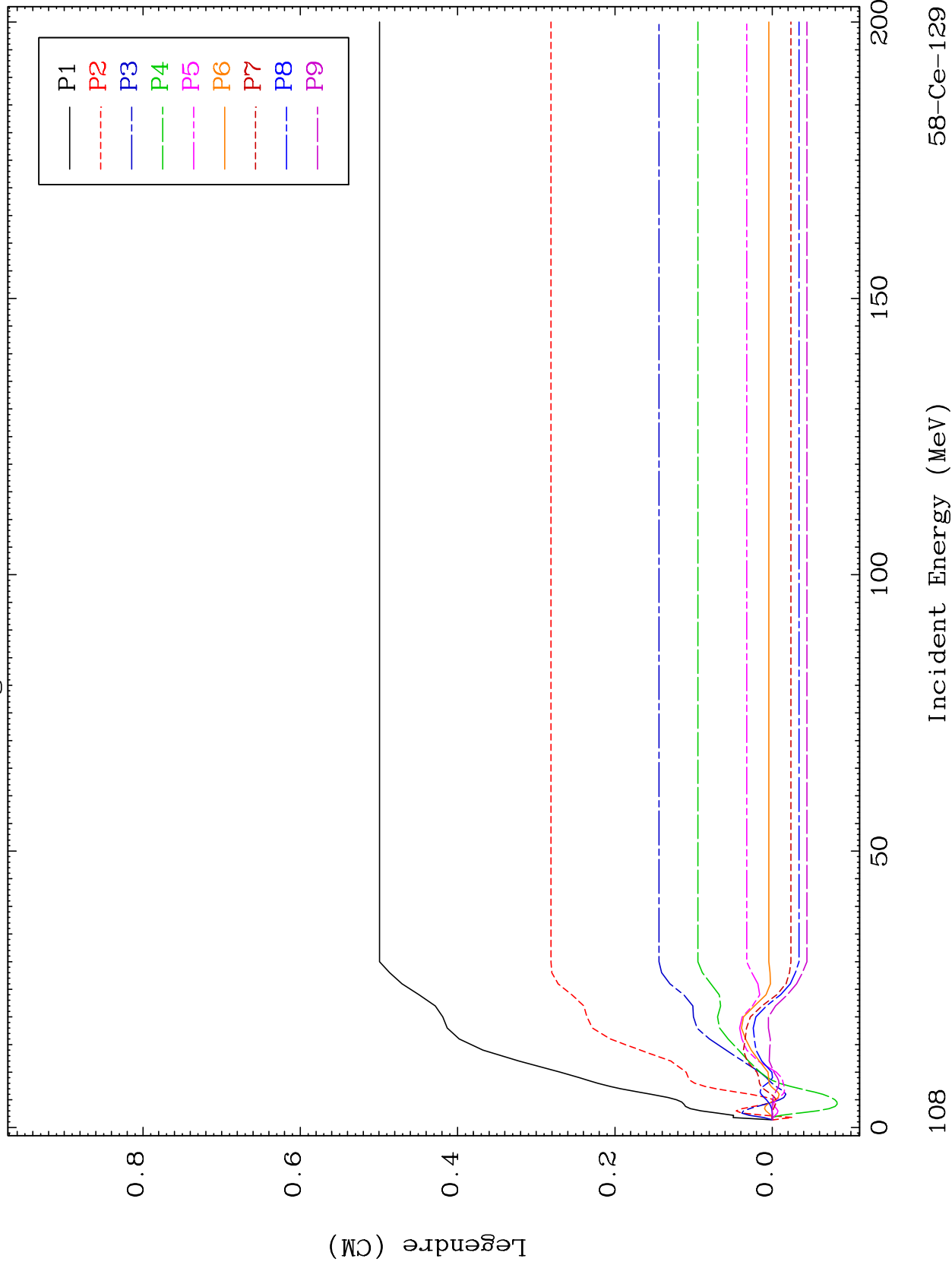
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



58-Ce-129

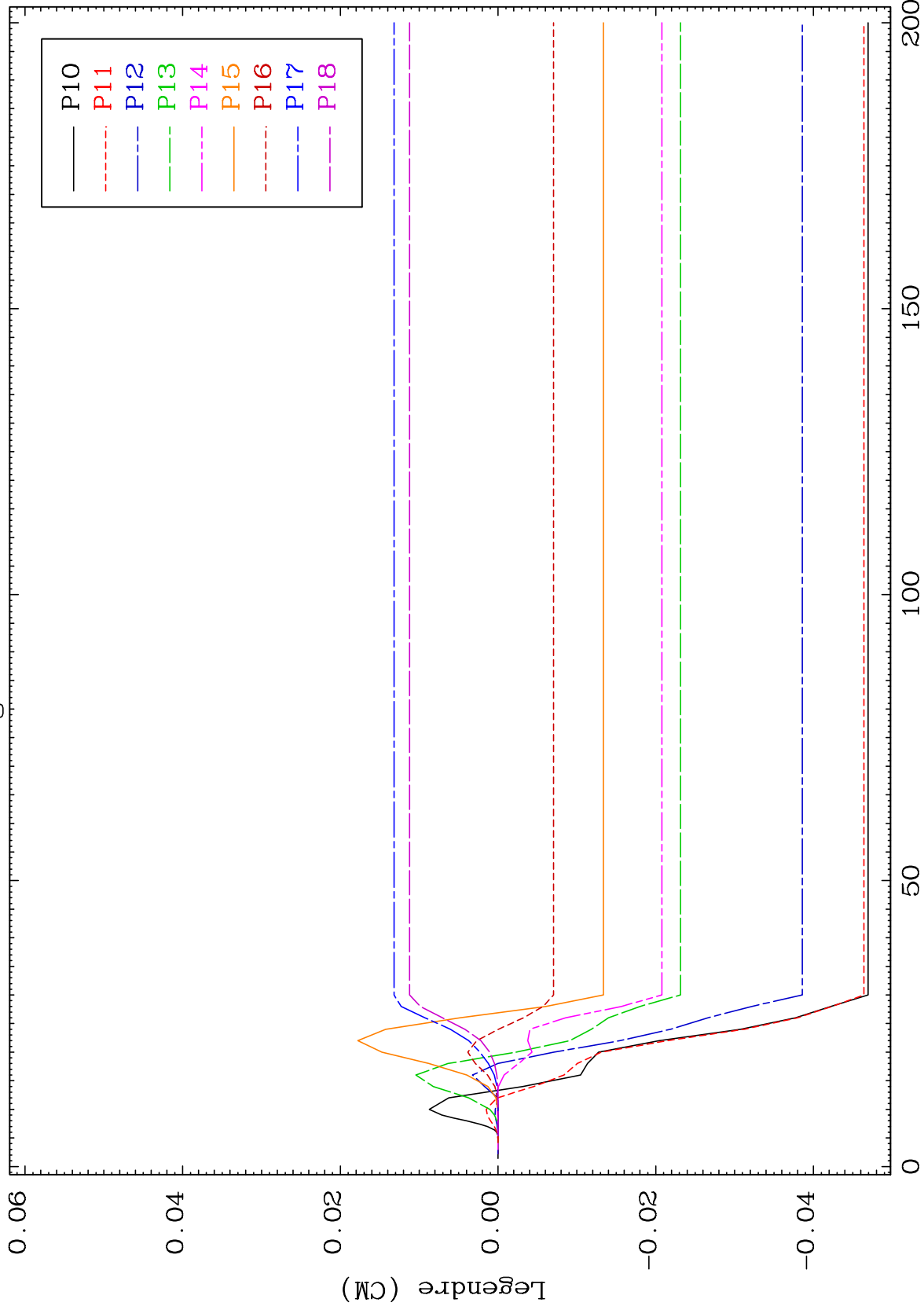
Incident Energy (MeV)

108

MAT 5804

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

58-Ce-129



109

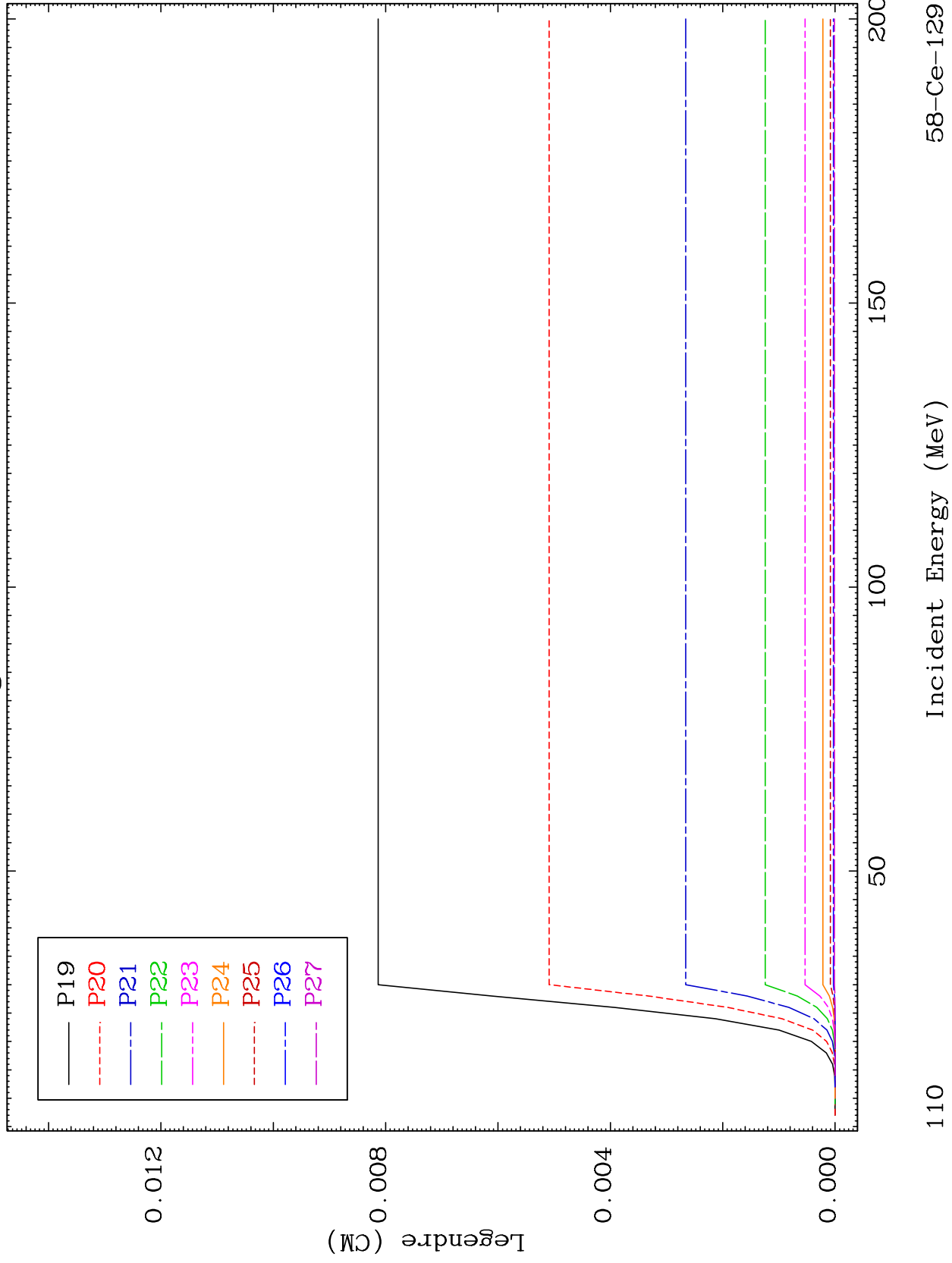
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



110

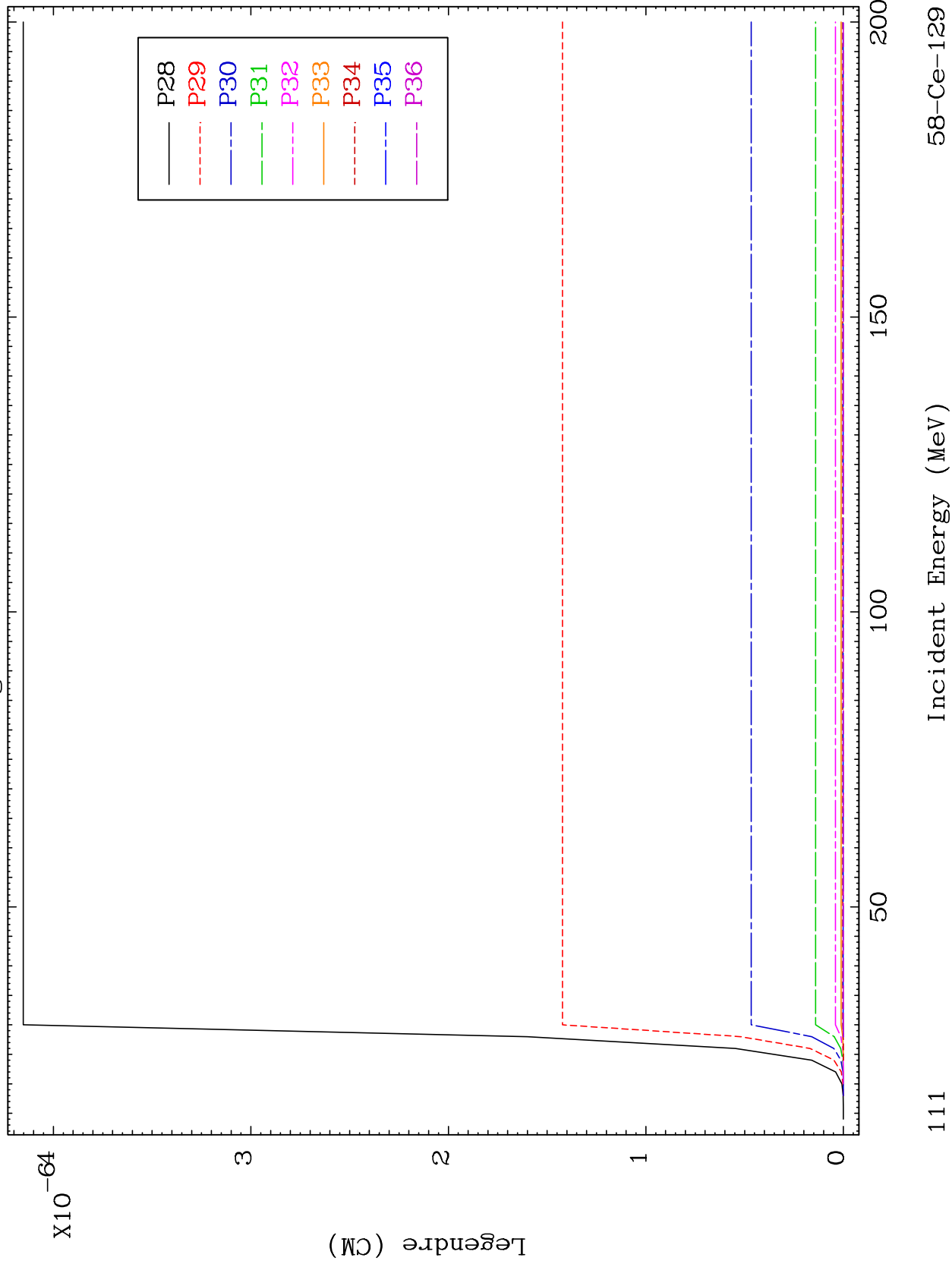
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129

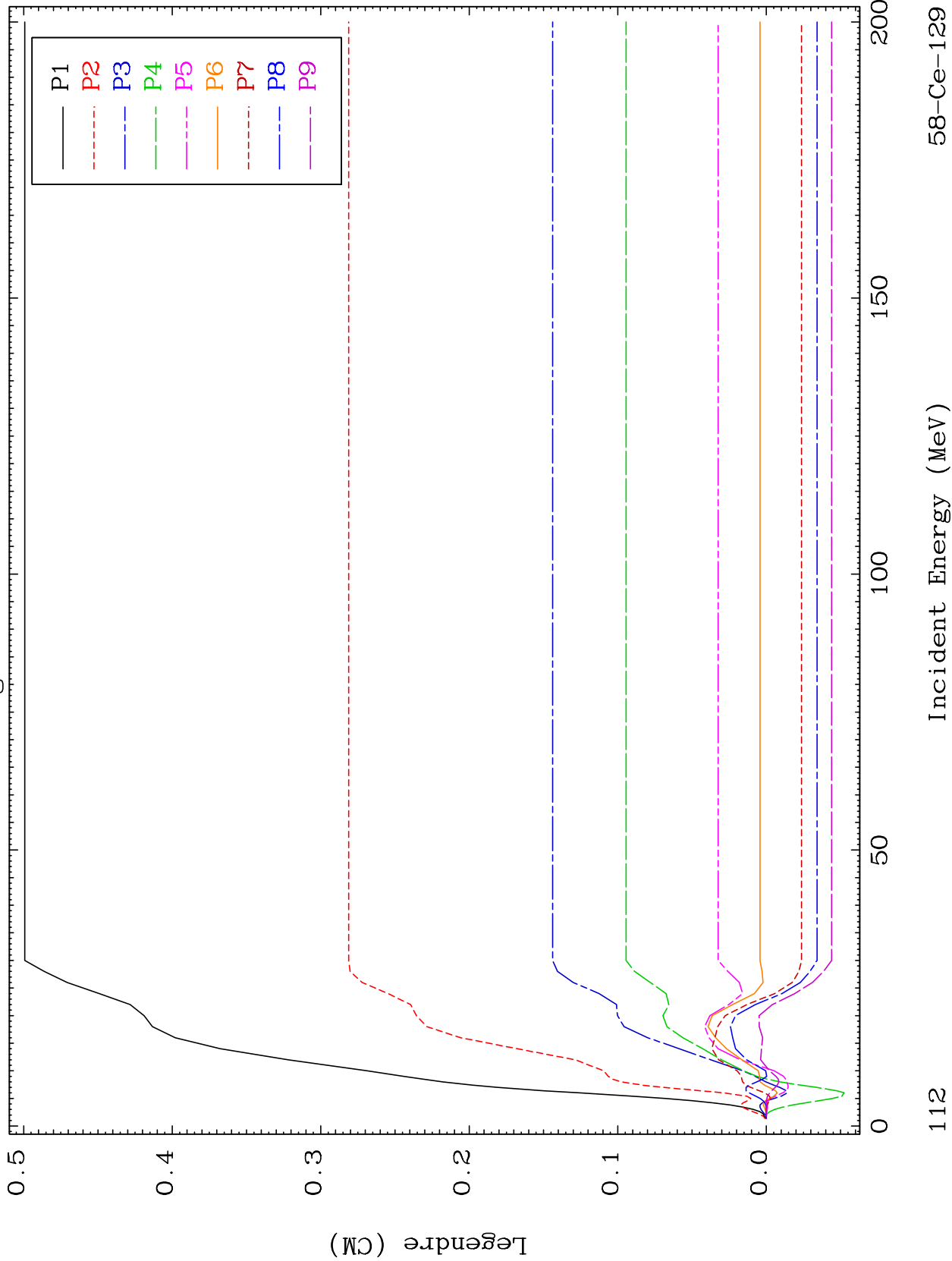


MAT 5804

MT= 74 (n,n') Level

58-Ce-129

Legendre Coefficients



58-Ce-129

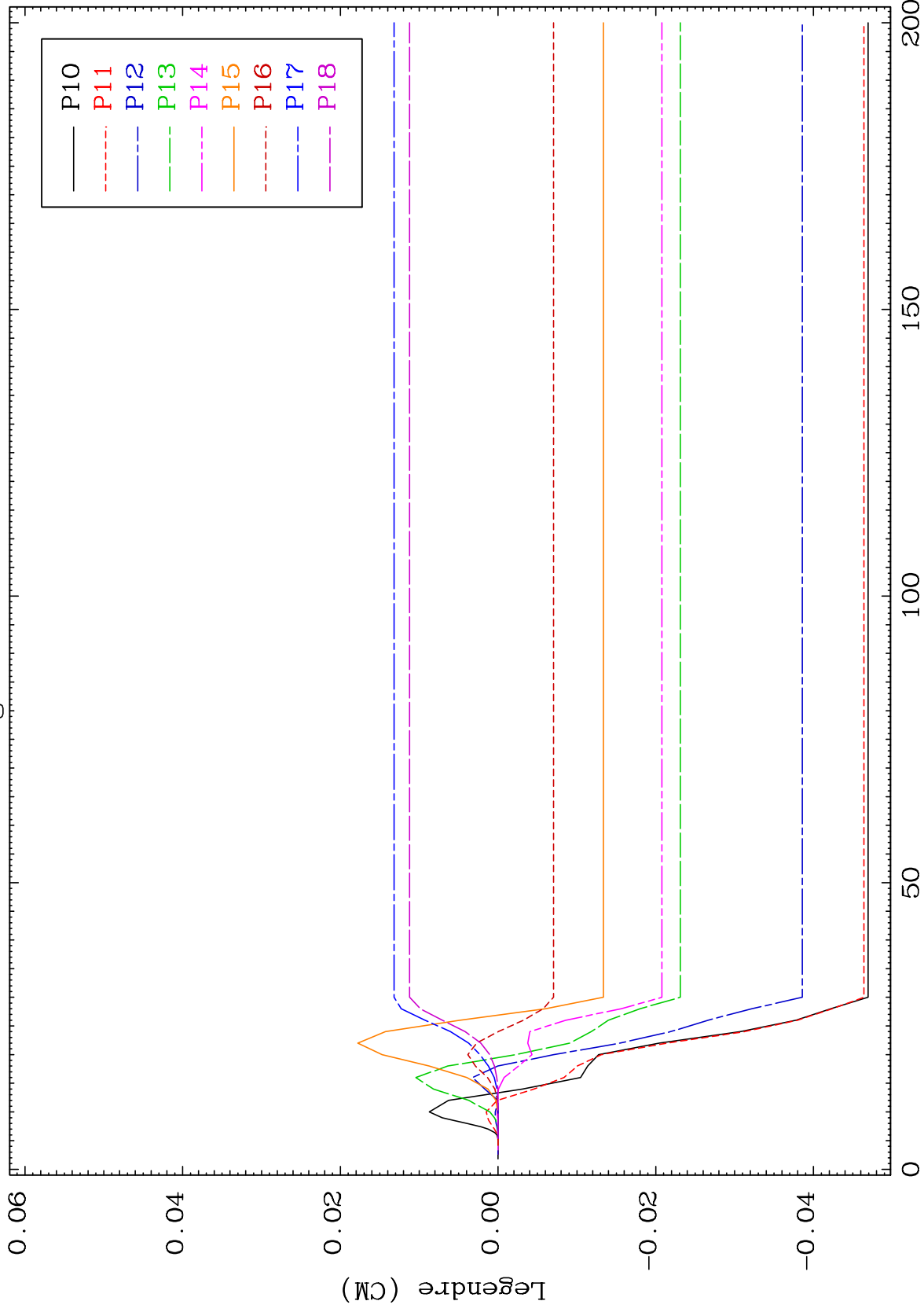
Incident Energy (MeV)

112

MAT 5804

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

58-Ce-129



113

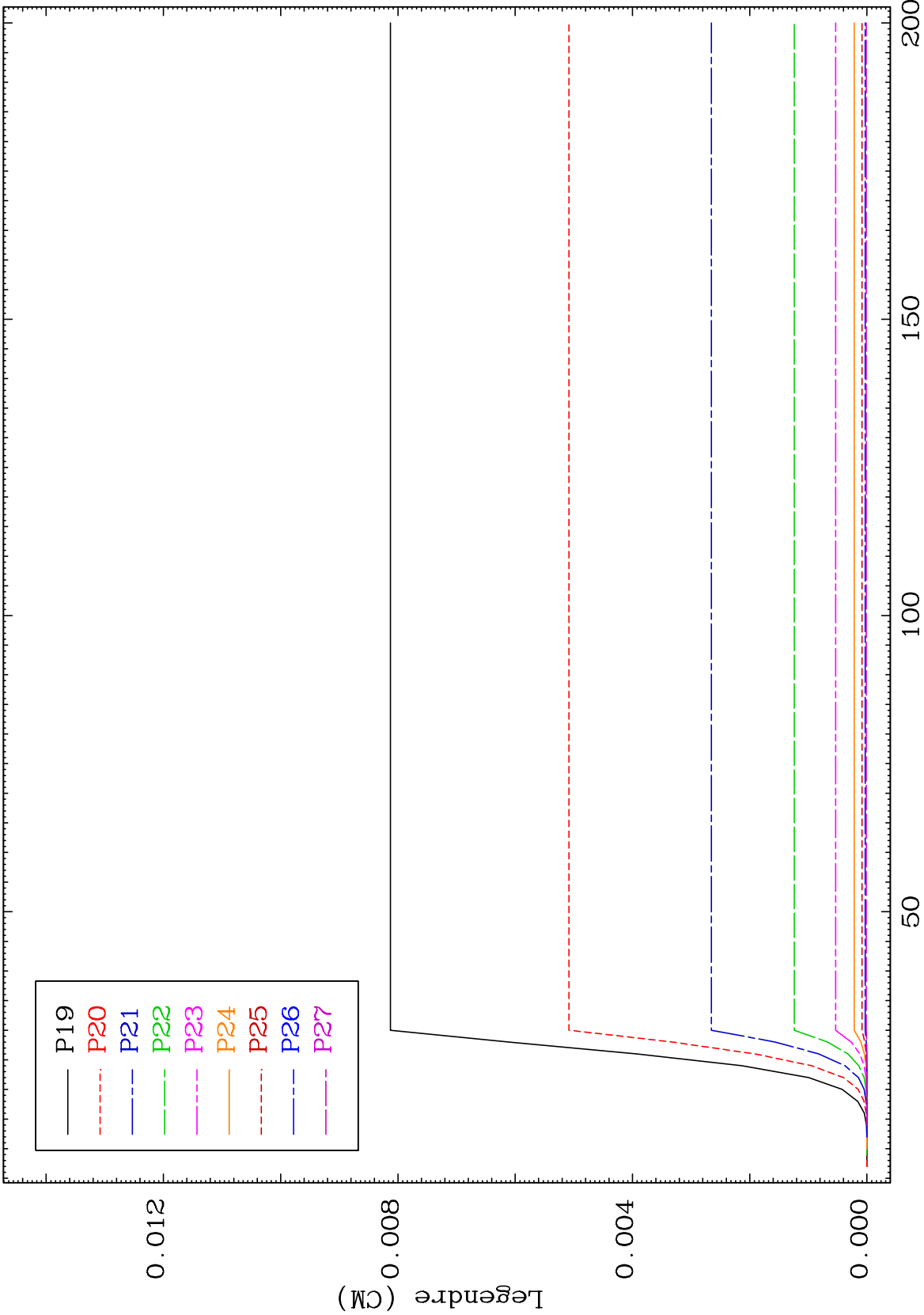
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



114

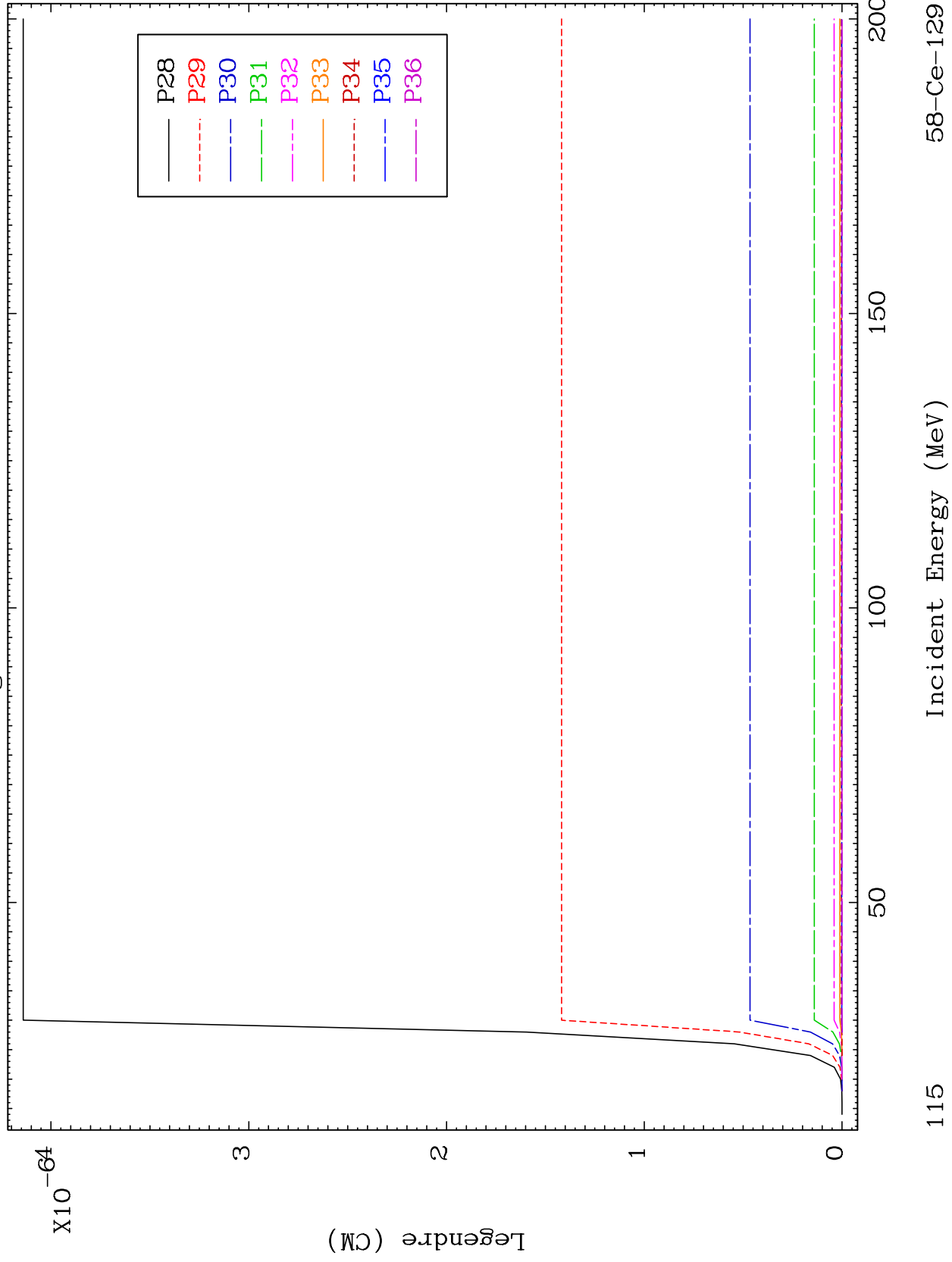
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

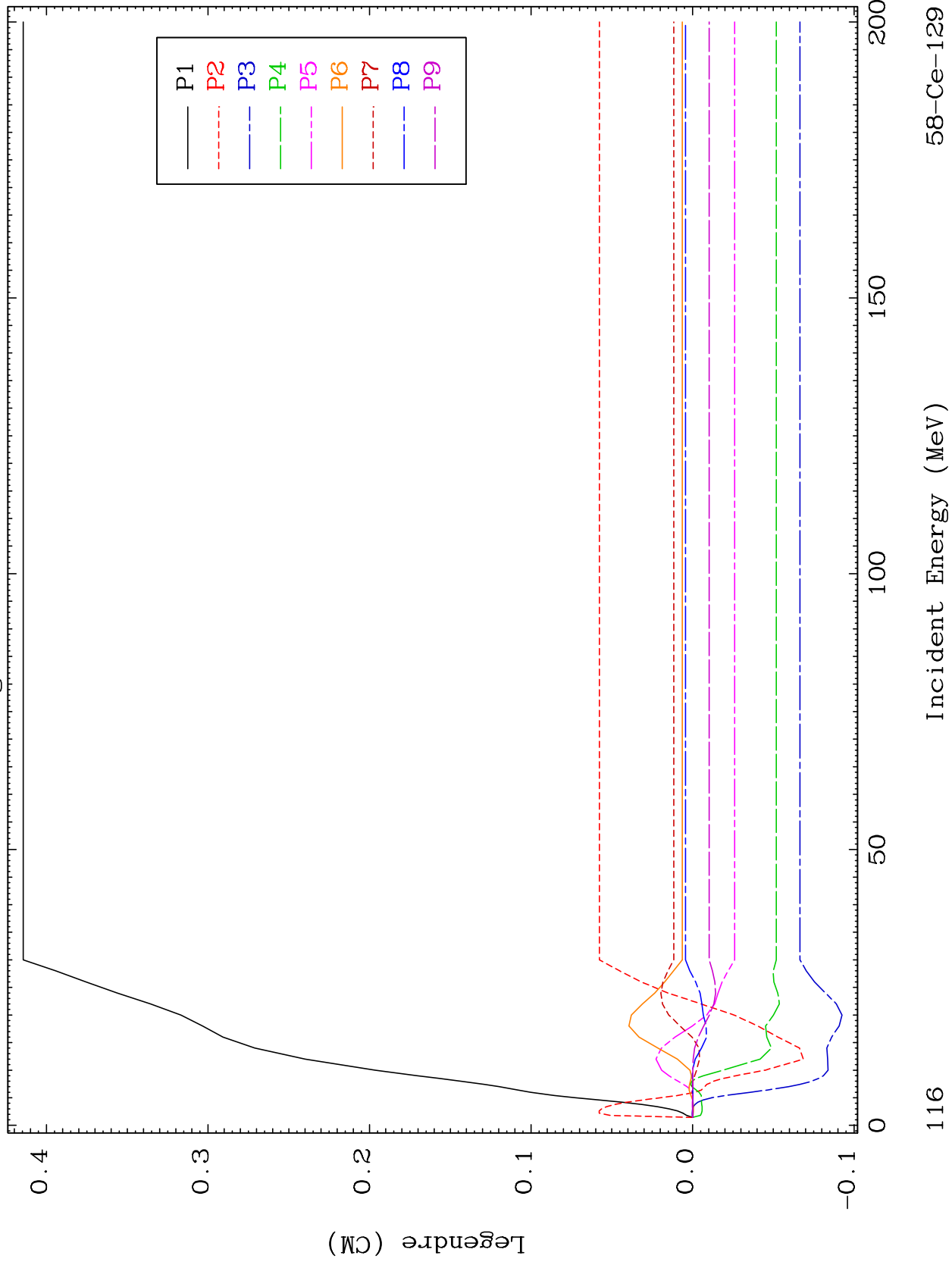
58-Ce-129



MAT 5804

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

58-Ce-129



58-Ce-129

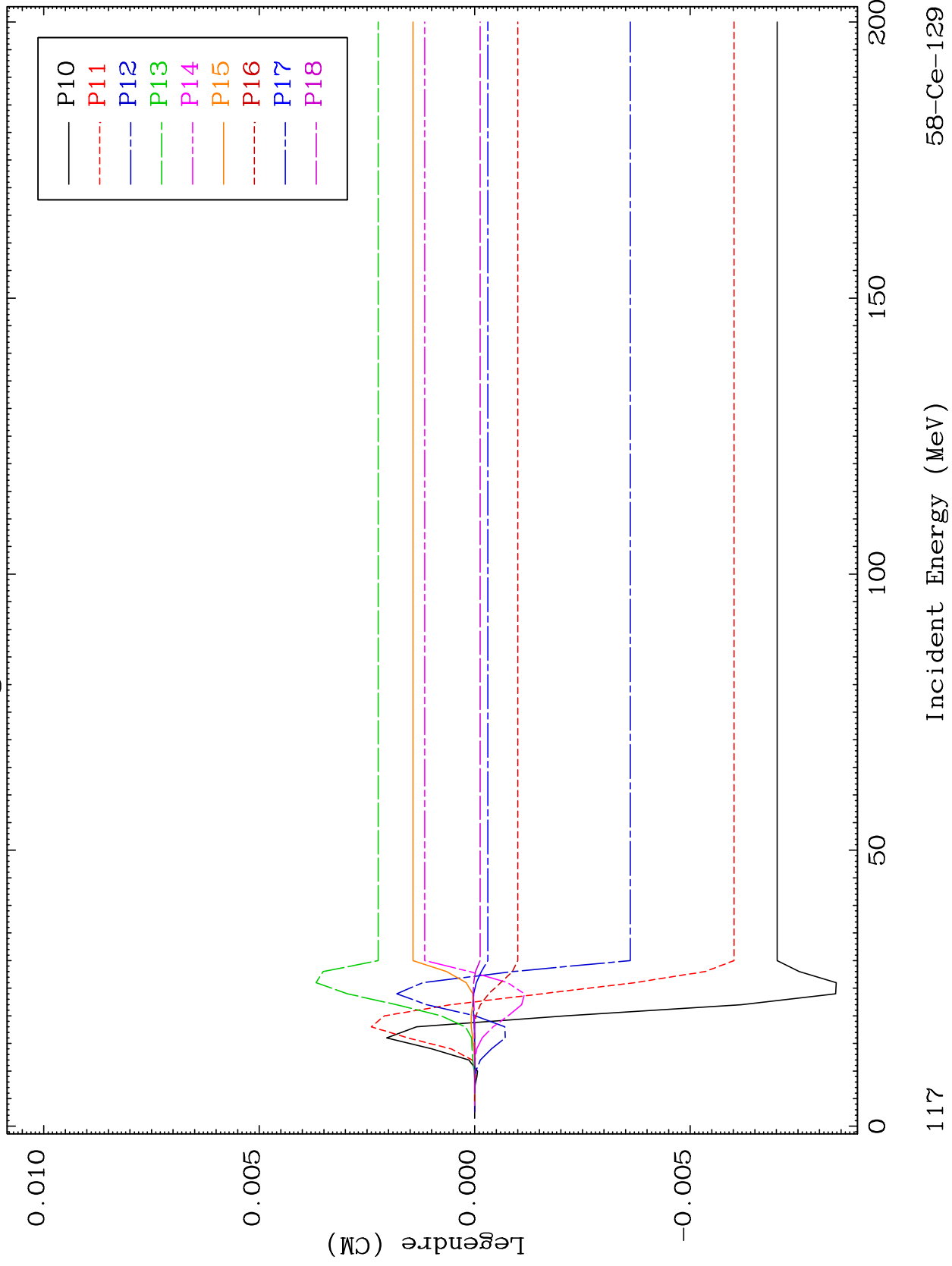
Incident Energy (MeV)

116

MAT 5804

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

58-Ce-129



117

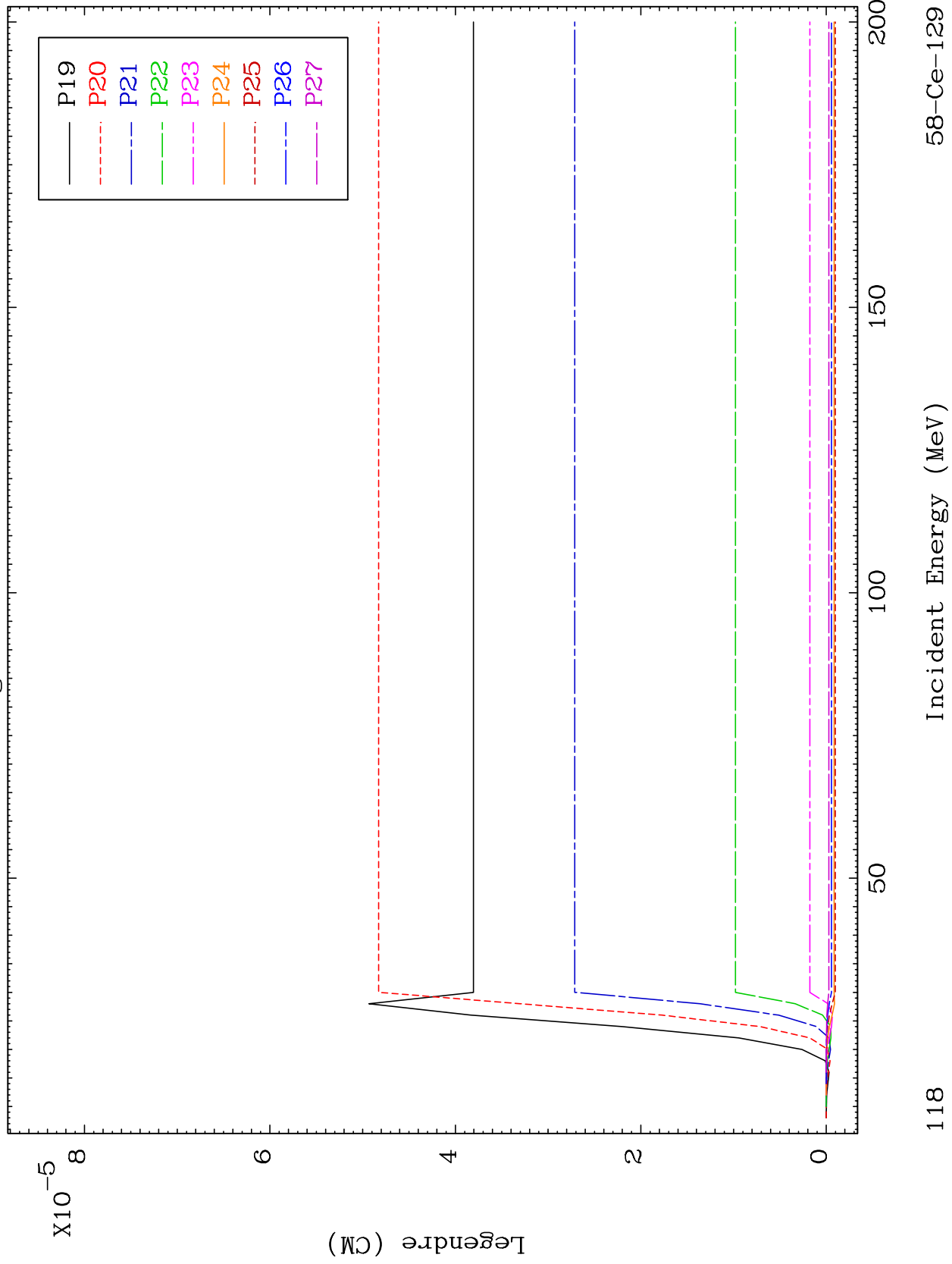
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



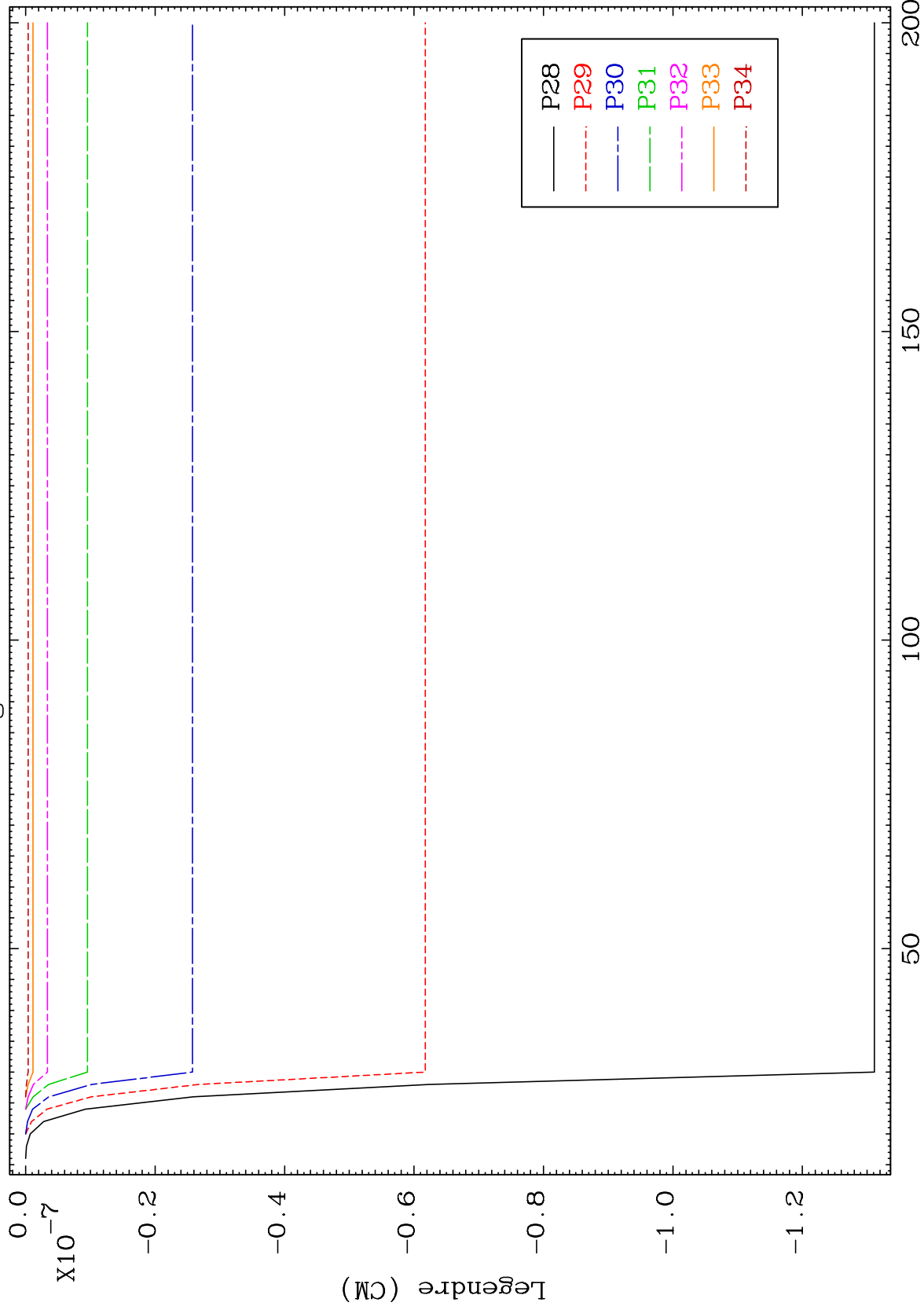
118

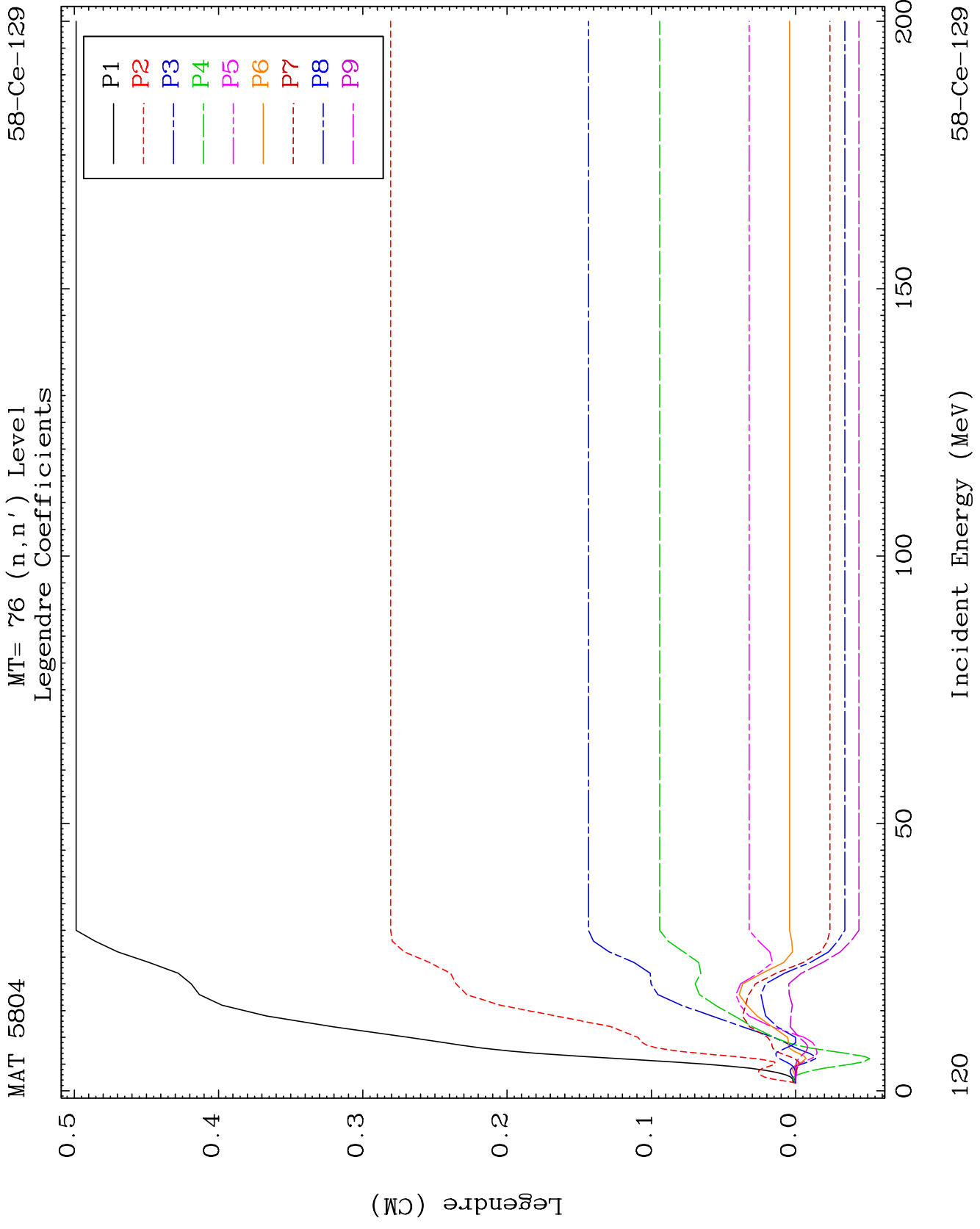
MAT 5804

MT= 75 (n,n') Level

58-Ce-129

Legendre Coefficients

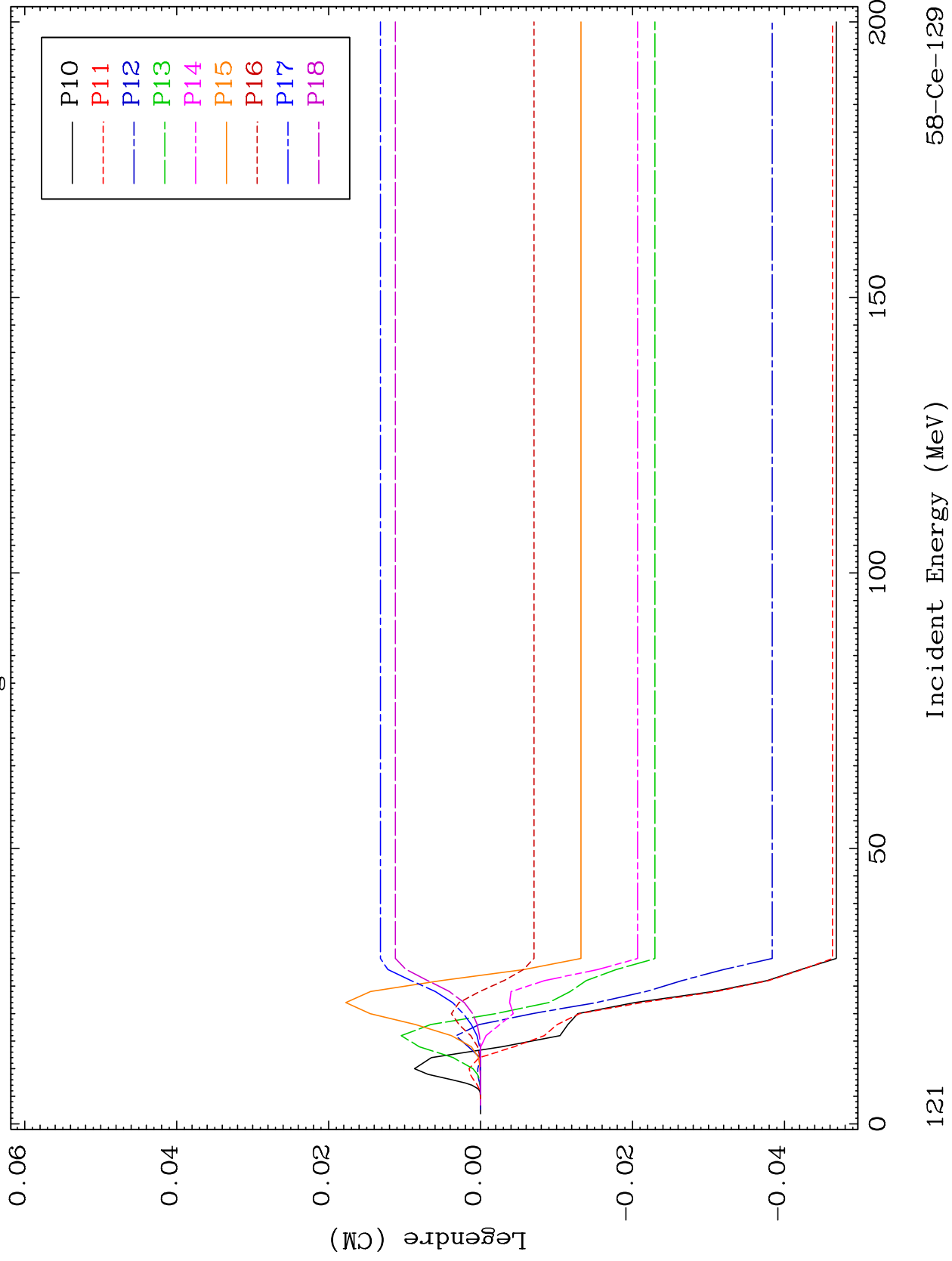




MAT 5804

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

58-Ce-129



121

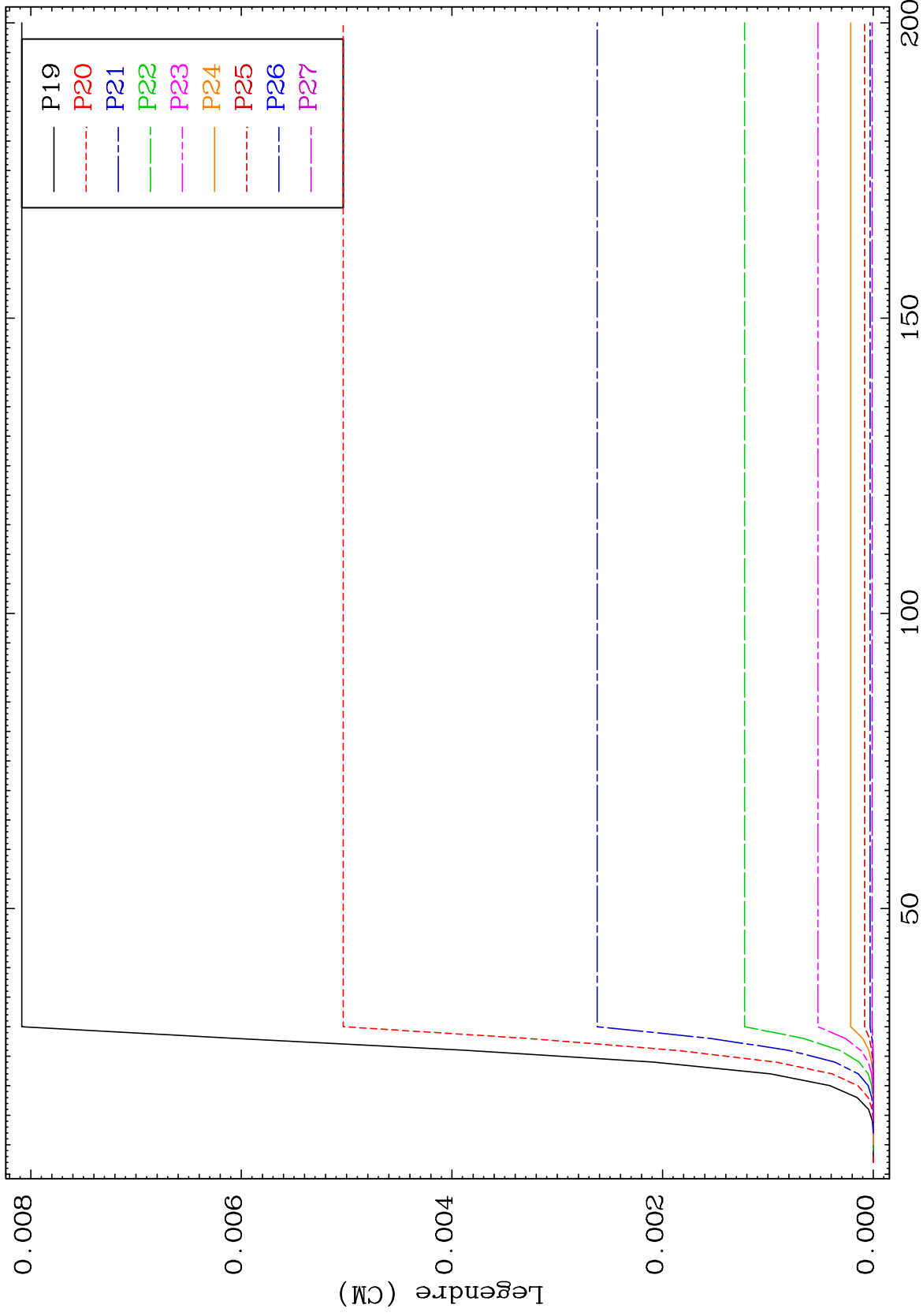
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



122

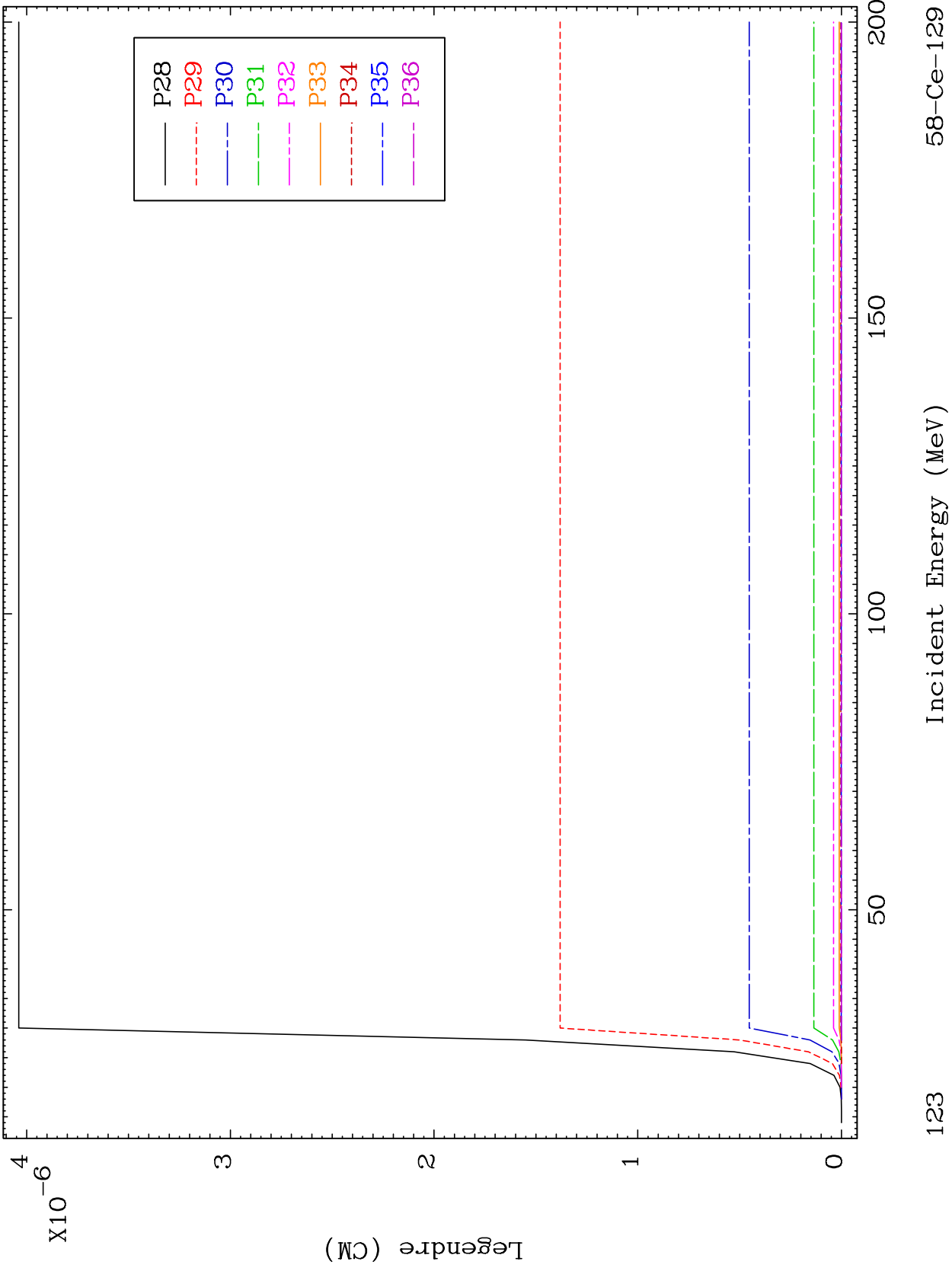
Incident Energy (MeV)

58-Ce-129

MAT 5804

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

58-Ce-129



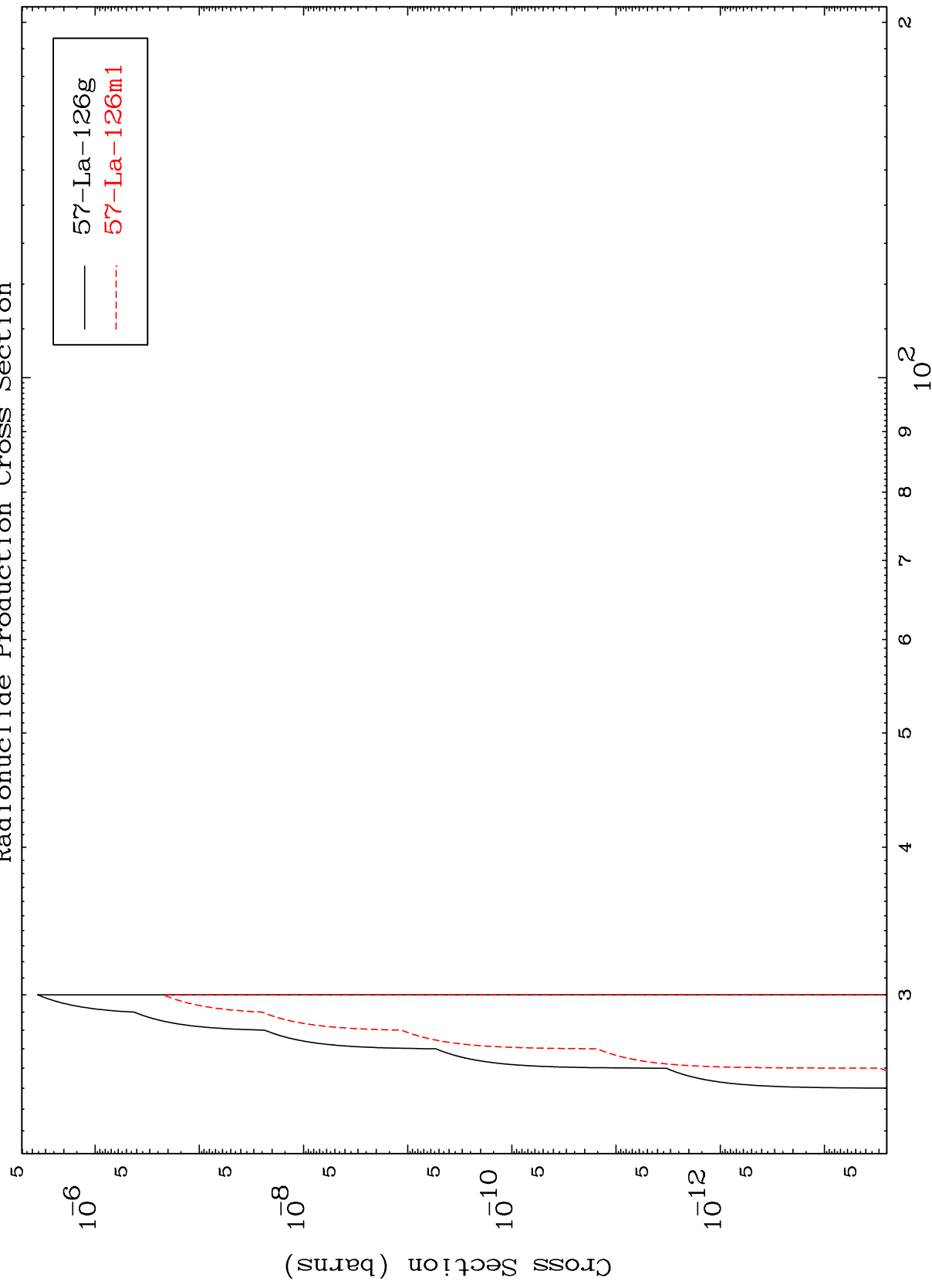
123

MAT 5804

(n,2n) d

58-Ce-129

Radionuclide Production Cross Section



124

Incident Energy (MeV)

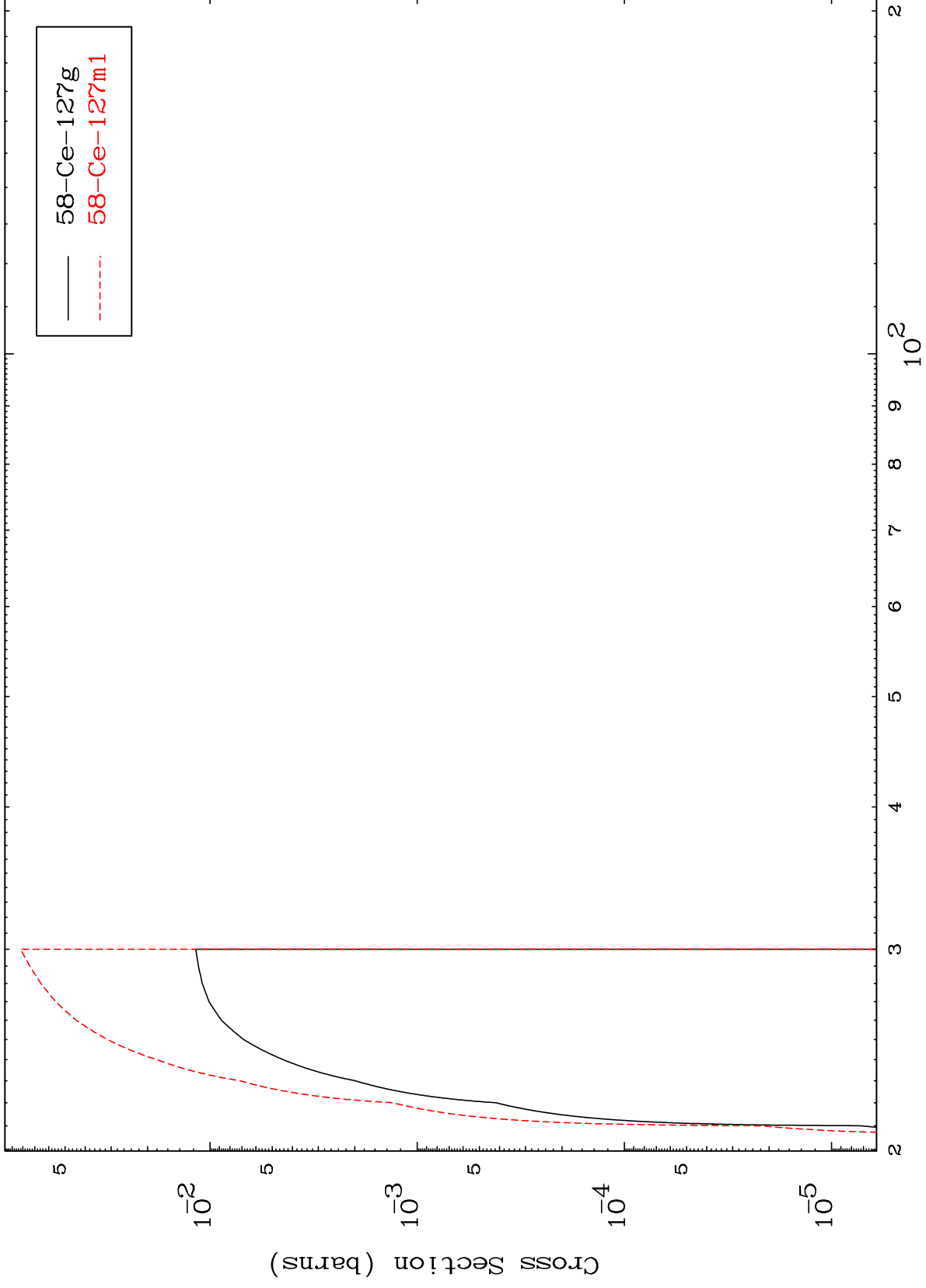
58-Ce-129

MAT 5804

(n,3n)

58-Ce-129

Radionuclide Production Cross Section



125

Incident Energy (MeV)

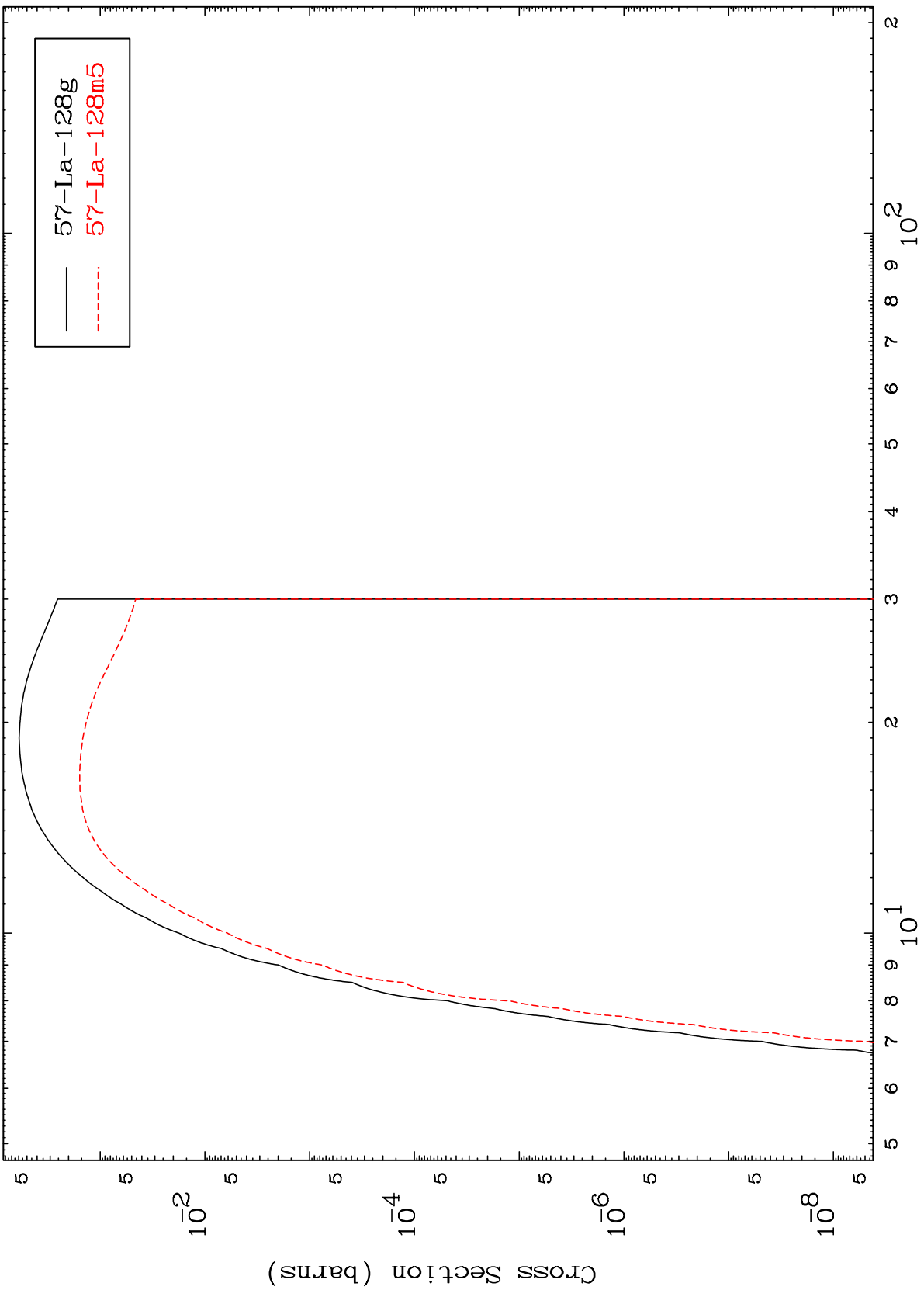
58-Ce-129

MAT 5804

(n,n') p

58-Ce-129

Radionuclide Production Cross Section



— 57-La-128g
- - - 57-La-128m5

126

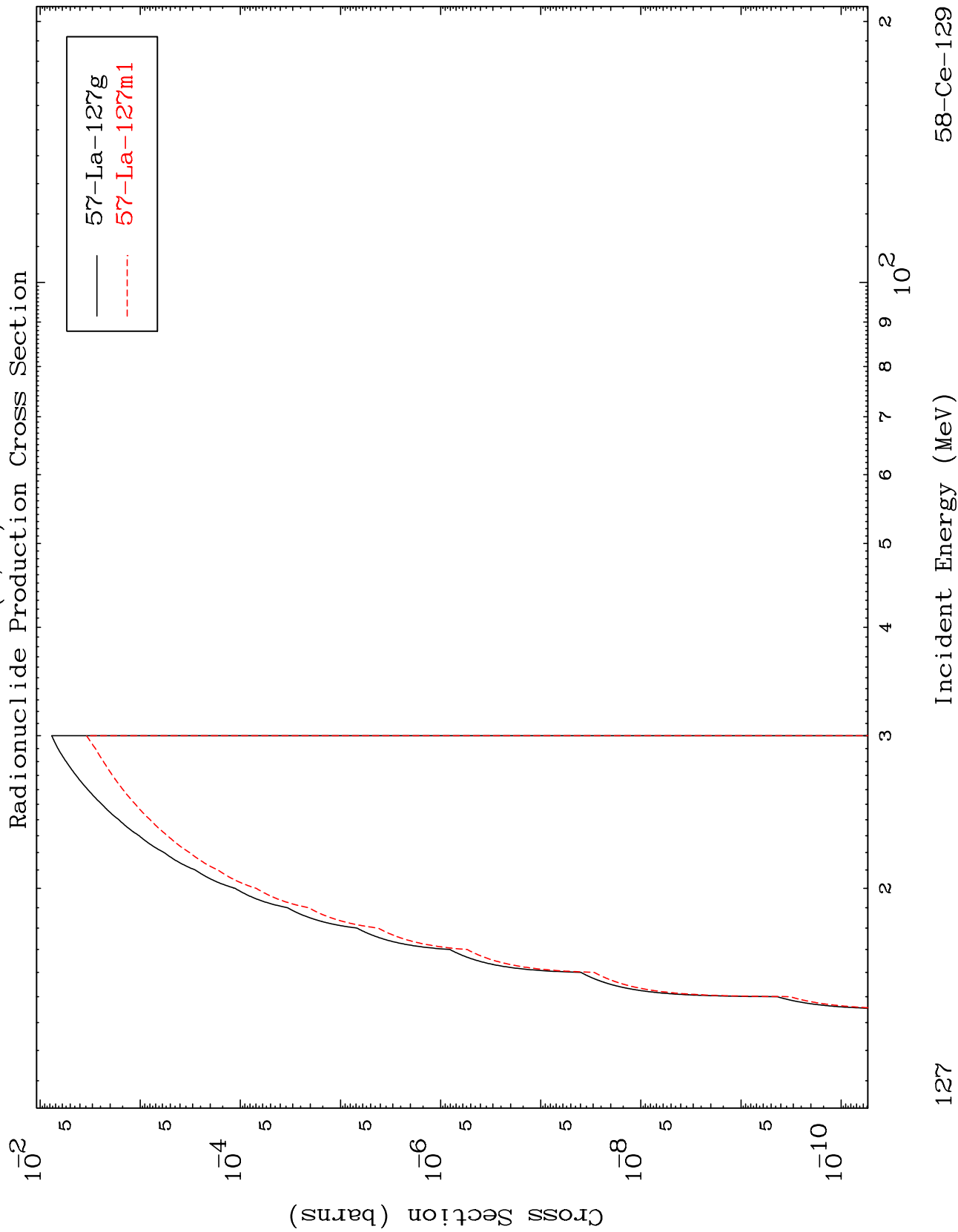
Incident Energy (MeV)

58-Ce-129

MAT 5804

(n,n') d

58-Ce-129



127

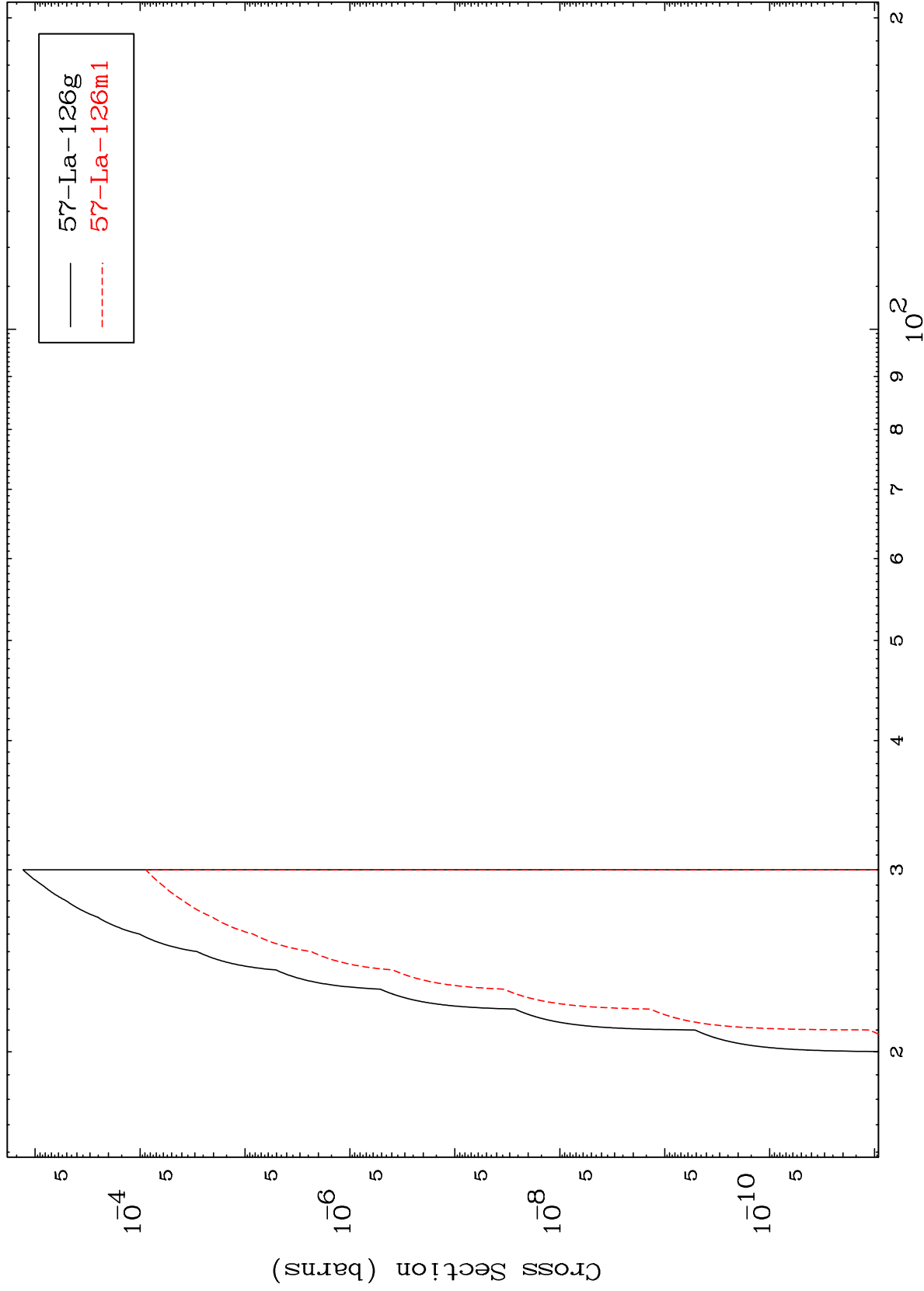
58-Ce-129

MAT 5804

(n,n') t

58-Ce-129

Radionuclide Production Cross Section



128

Incident Energy (MeV)

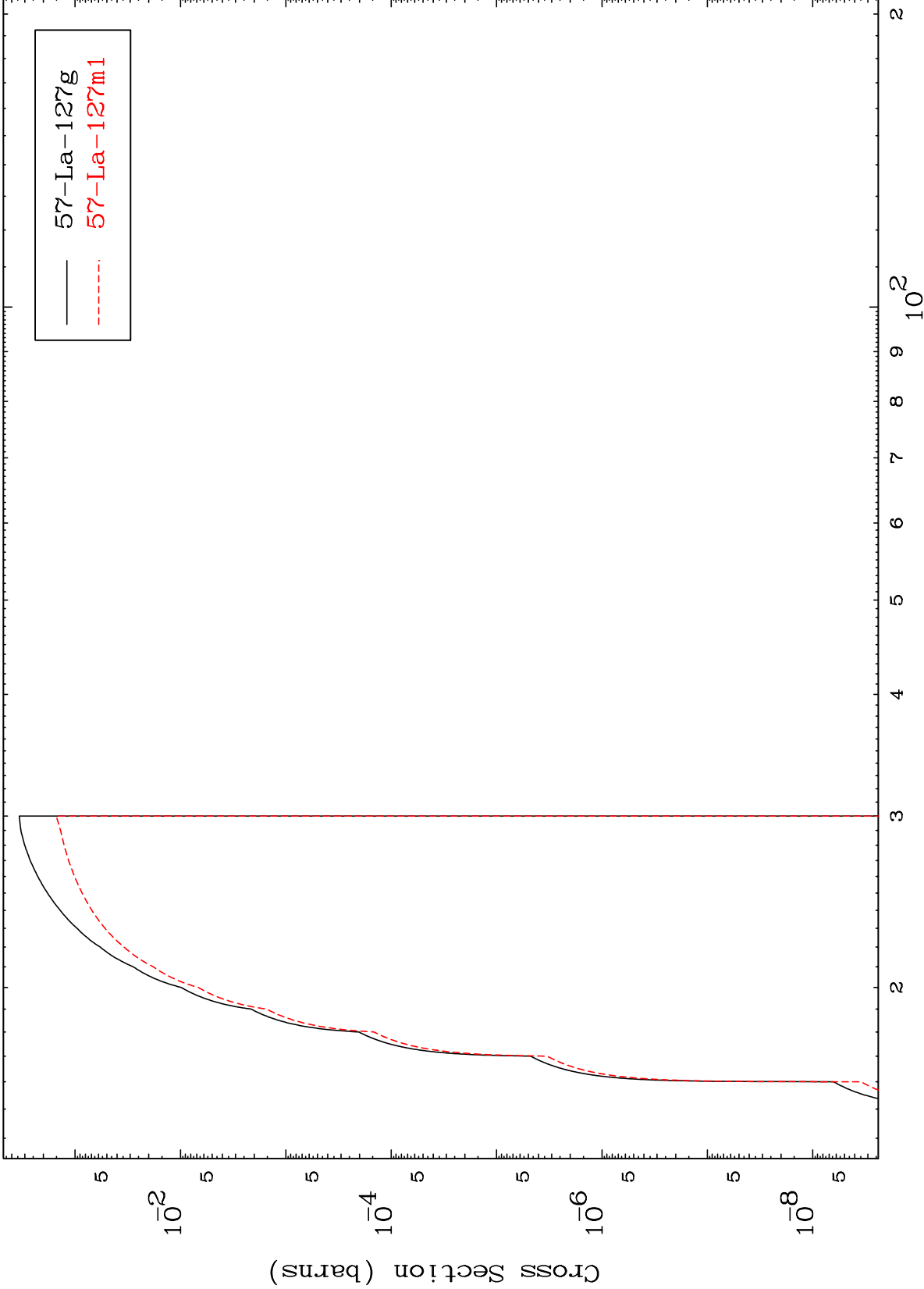
58-Ce-129

MAT 5804

(n,2n) p

58-Ce-129

Radionuclide Production Cross Section



57-La-127g
57-La-127m1

129

Incident Energy (MeV)

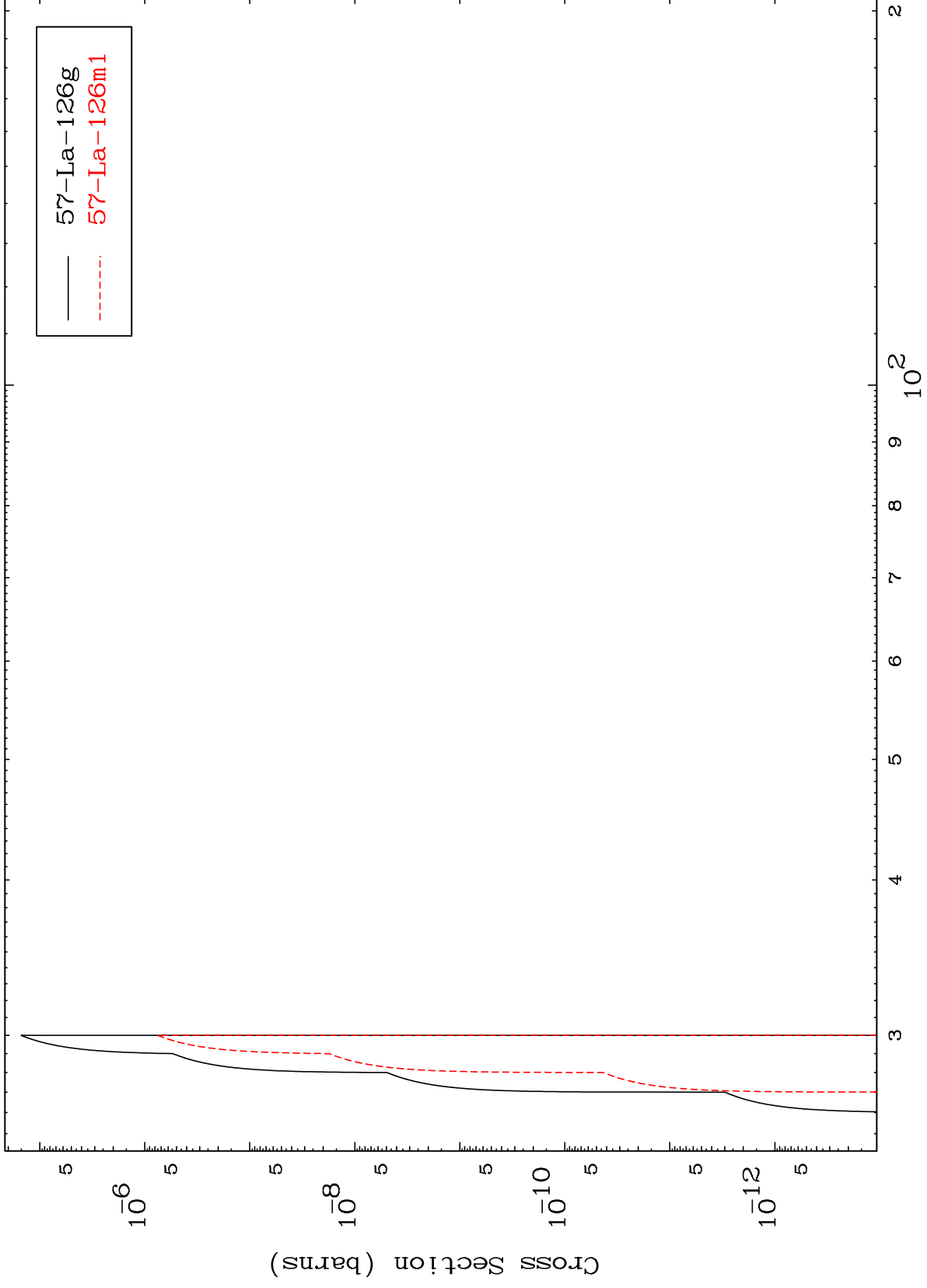
58-Ce-129

MAT 5804

(n,3n) p

58-Ce-129

Radionuclide Production Cross Section



130

Incident Energy (MeV)

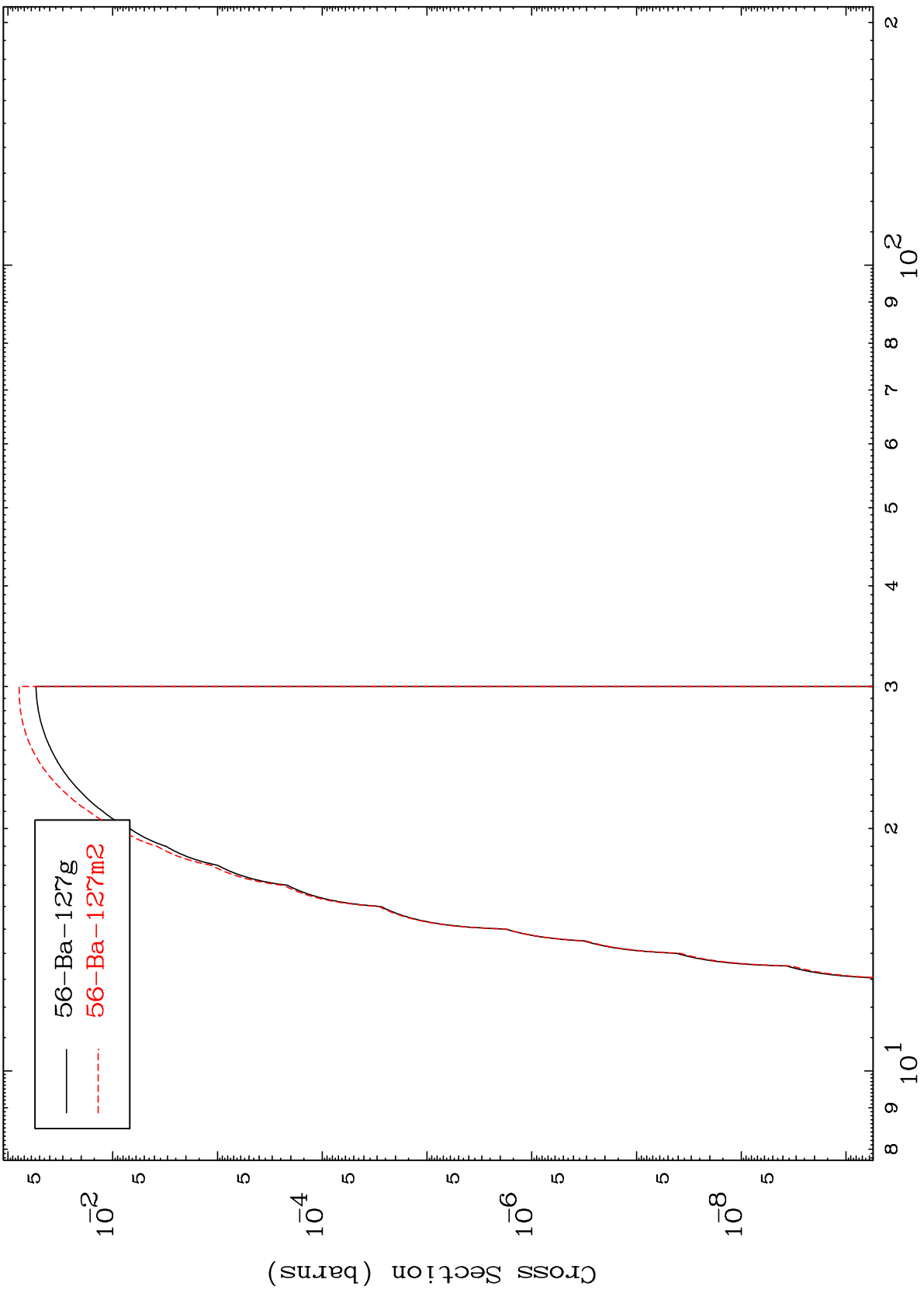
58-Ce-129

MAT 5804

(n,2n) p

58-Ce-129

Radionuclide Production Cross Section



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

131

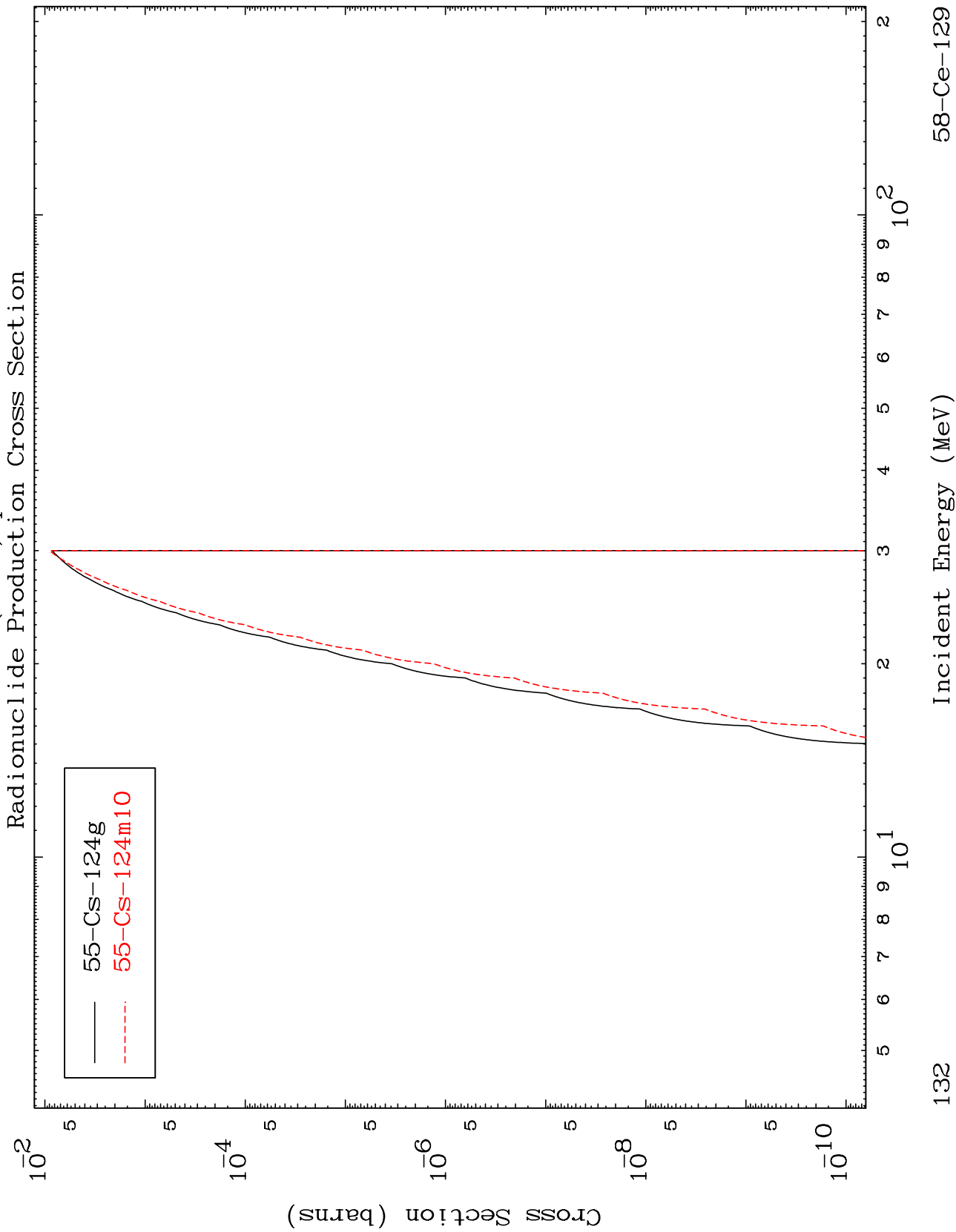
Incident Energy (MeV)

58-Ce-129

MAT 5804

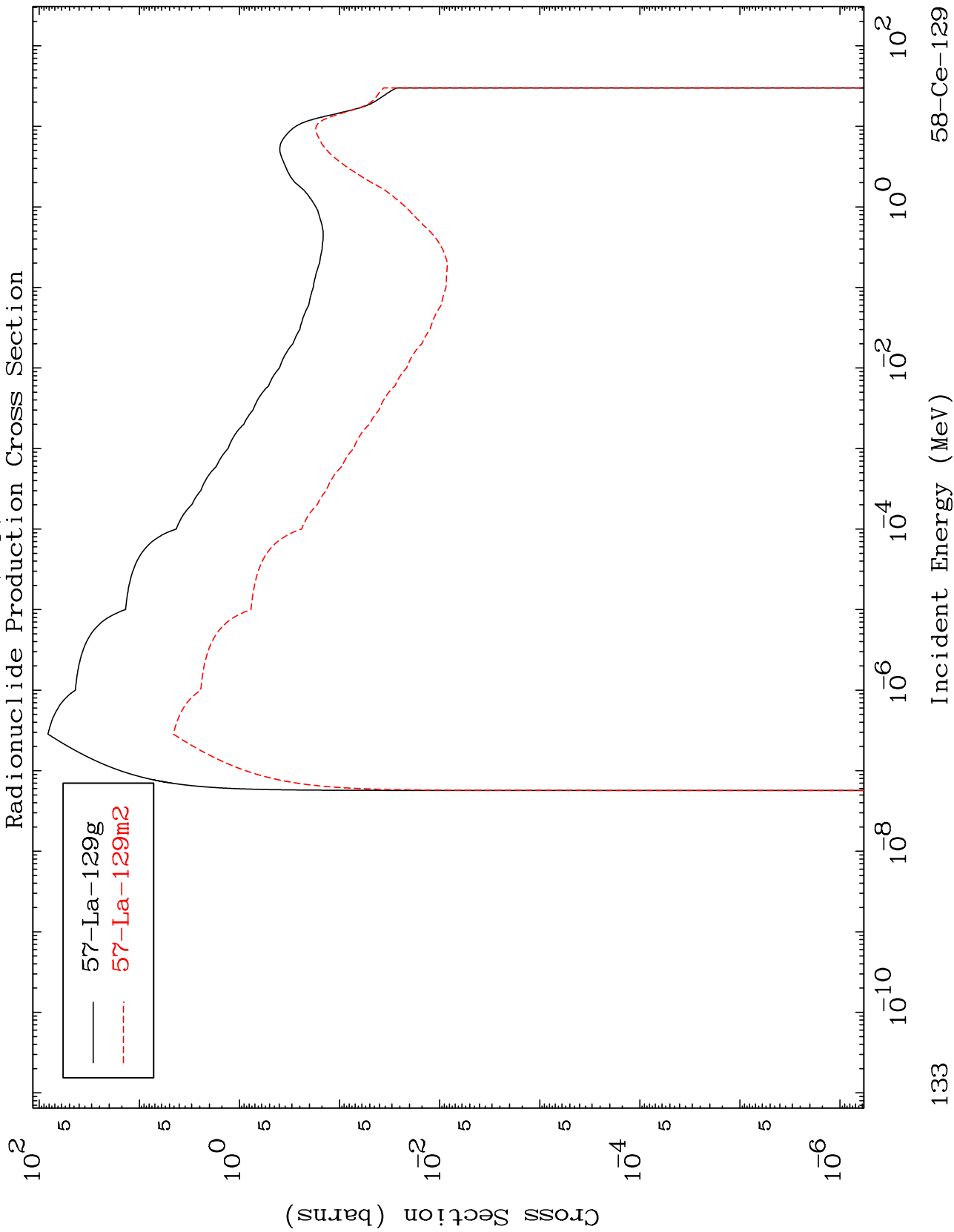
(n,n') p α

58-Ce-129



MAT 5804

58-Ce-129

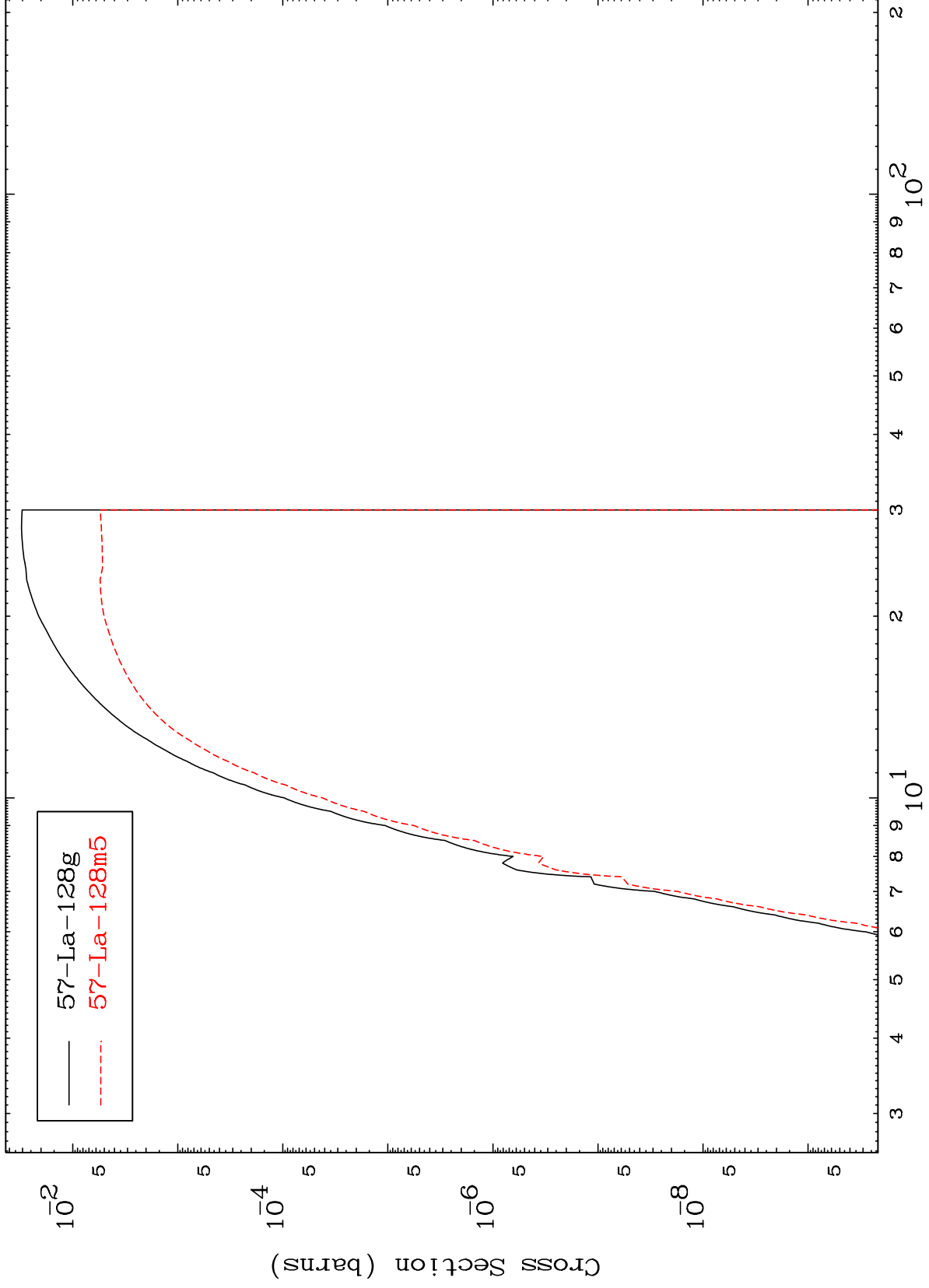


MAT 5804

(n,d)

58-Ce-129

Radionuclide Production Cross Section



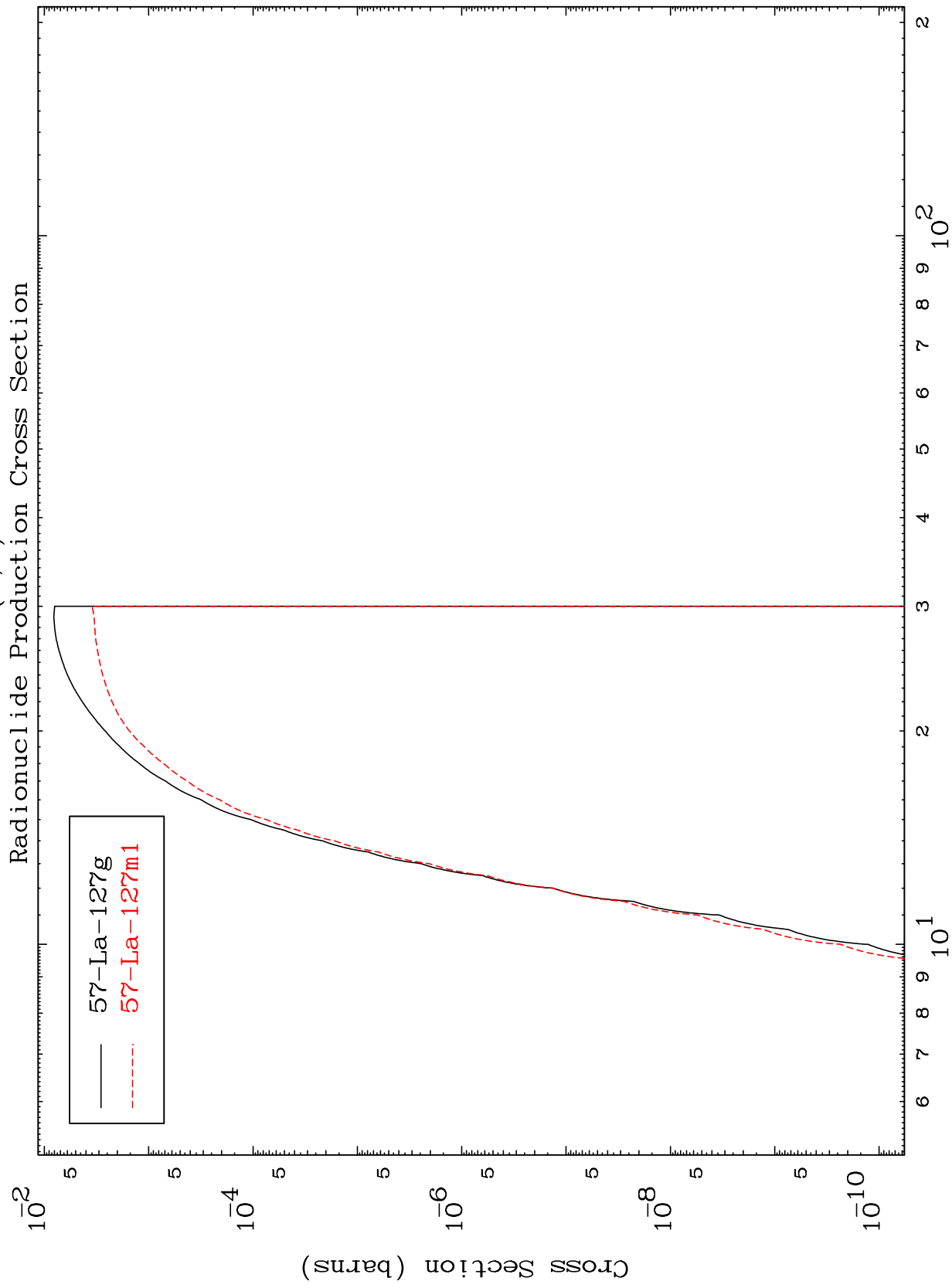
134

Incident Energy (MeV)

58-Ce-129

MAT 5804

58-Ce-129



135

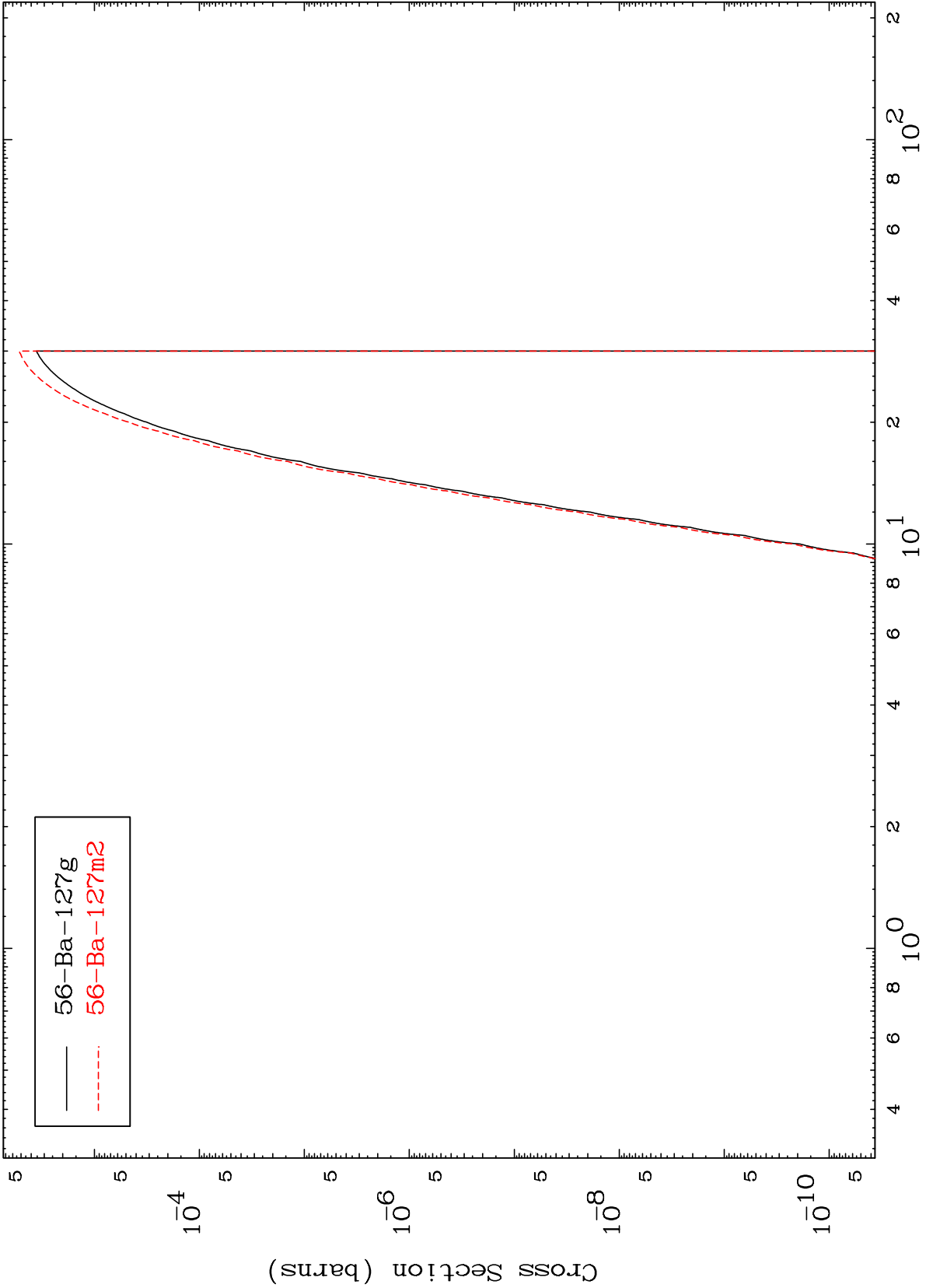
58-Ce-129

MAT 5804

(n,He-3)

58-Ce-129

Radionuclide Production Cross Section



136

Incident Energy (MeV)

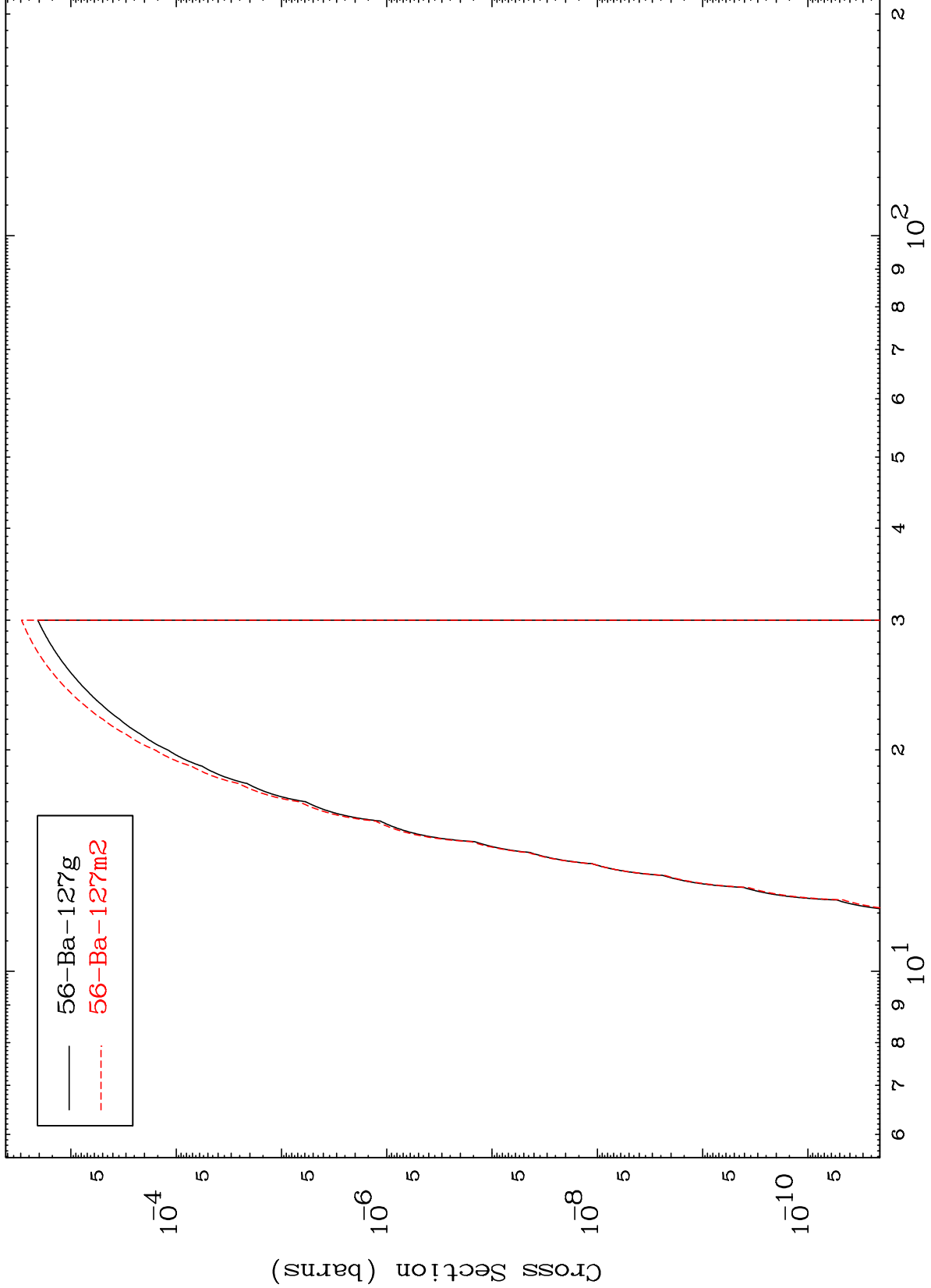
58-Ce-129

MAT 5804

(n,p) d

58-Ce-129

Radionuclide Production Cross Section



137

Incident Energy (MeV)

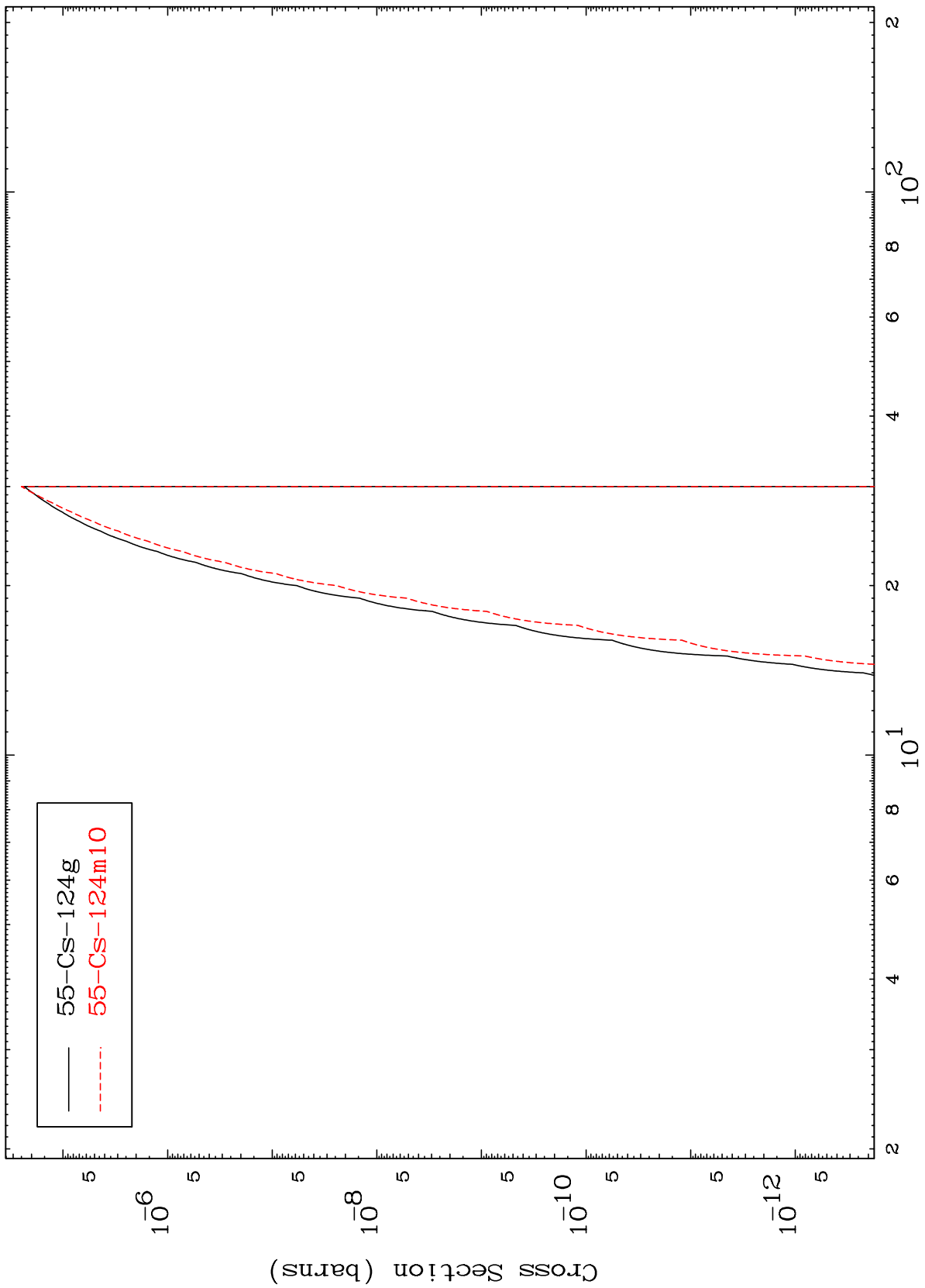
58-Ce-129

MAT 5804

(n,d) α

58-Ce-129

Radionuclide Production Cross Section



138

Incident Energy (MeV)

58-Ce-129