

Program EVALPLOT
(Version 2018-1)

by

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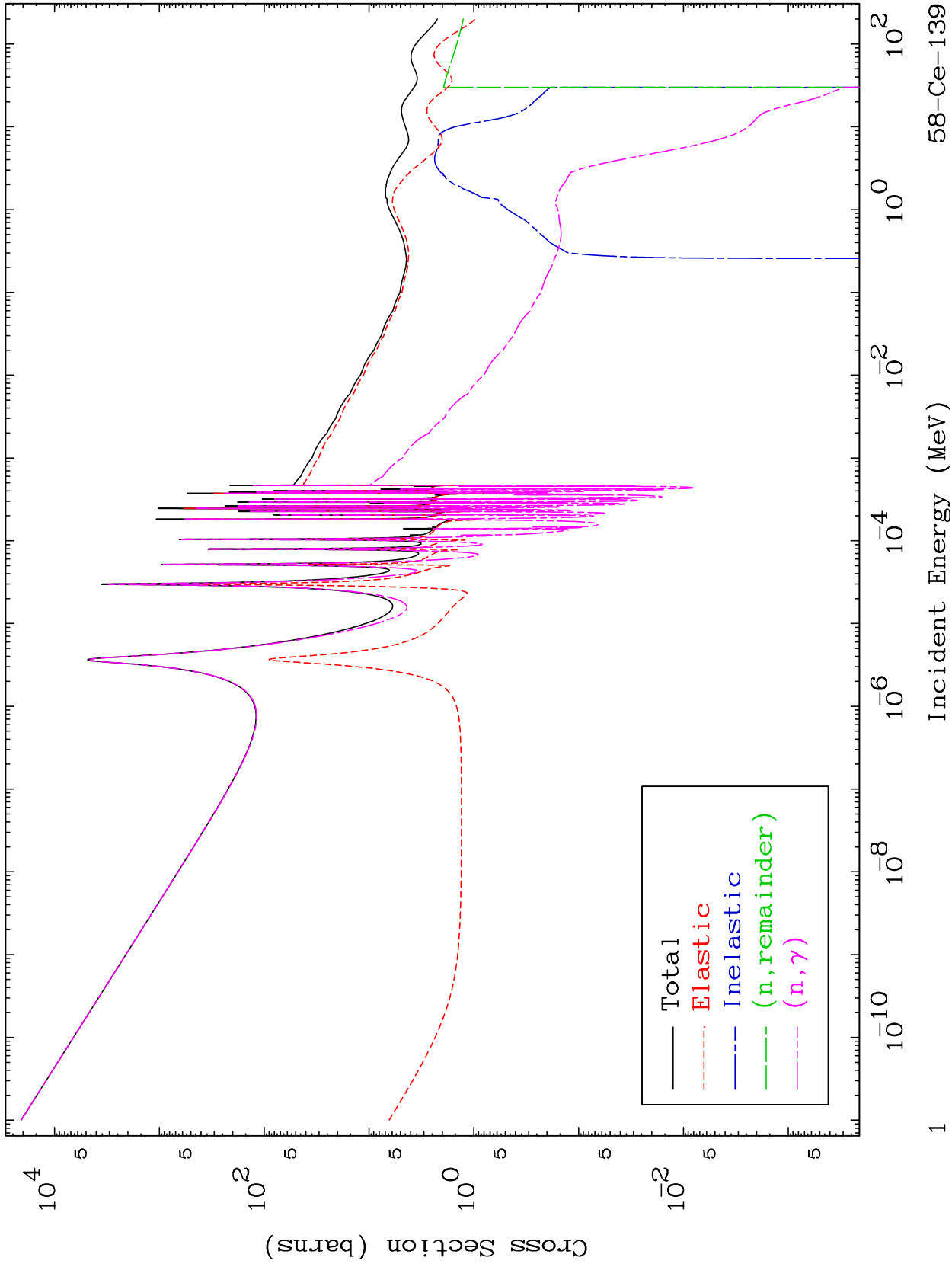
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5834

Major
293 Kelvin Cross Sections

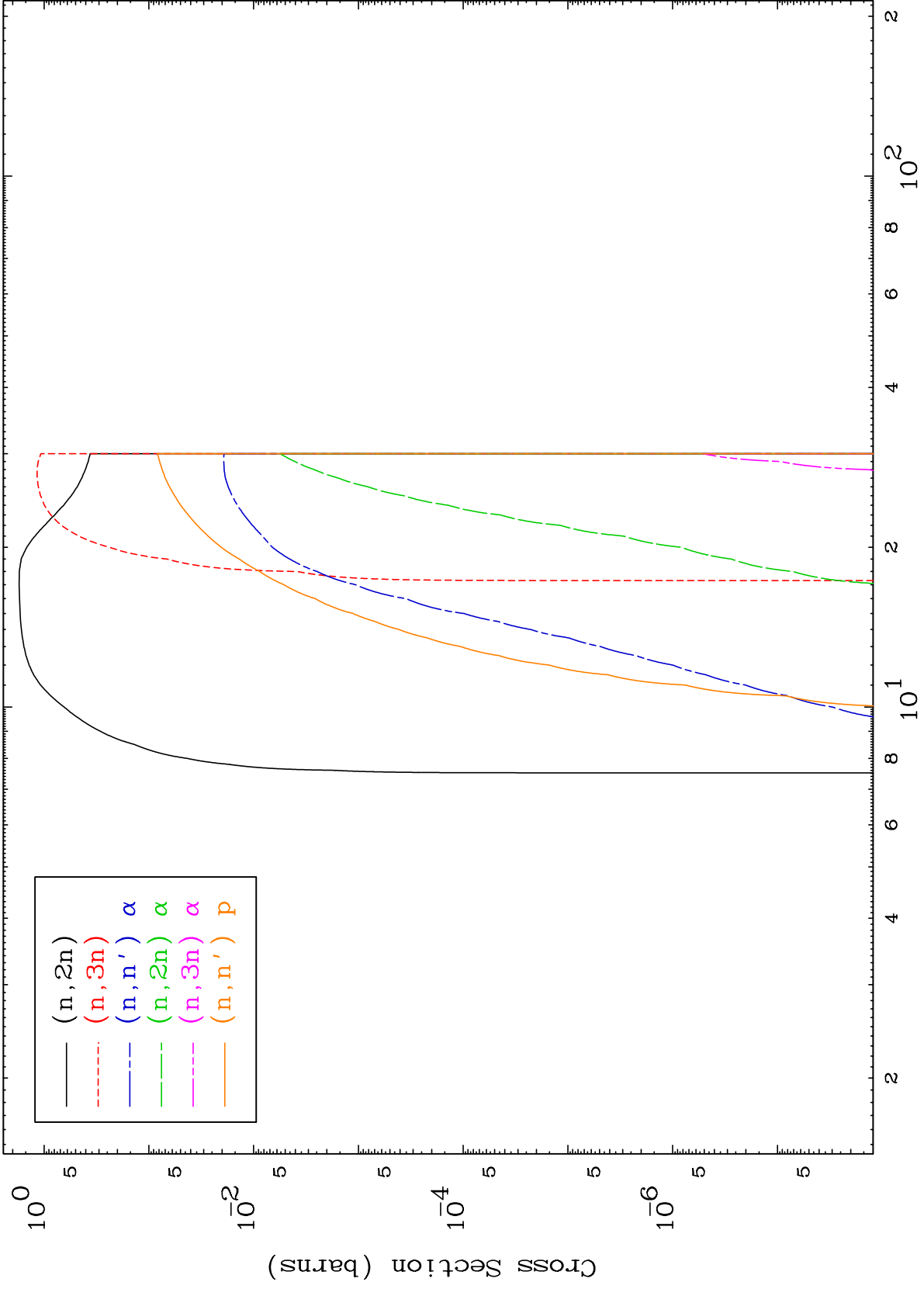
58-Ce-139

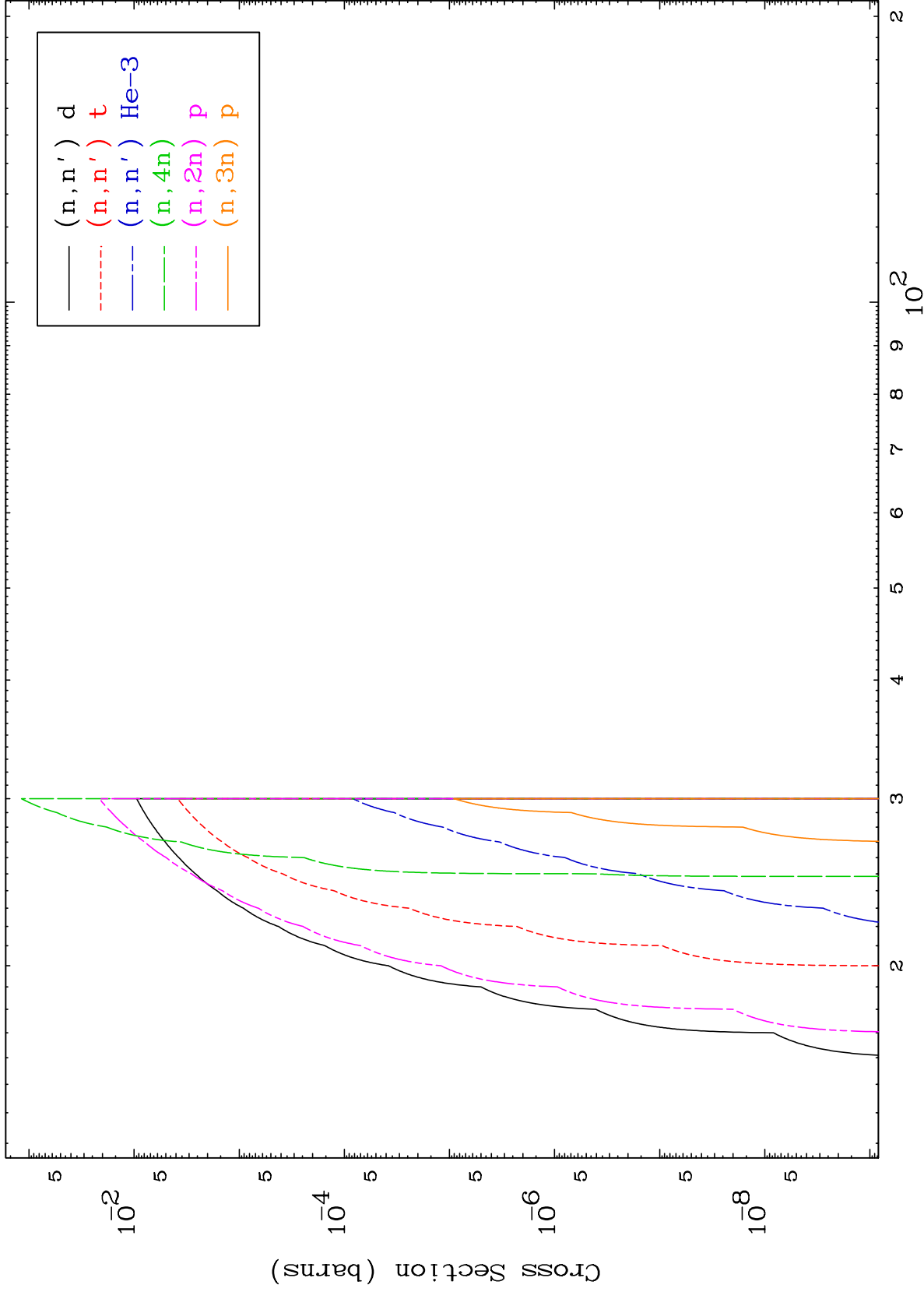


MAT 5834

Neutron Production
293 Kelvin Cross Sections

58-Ce-139

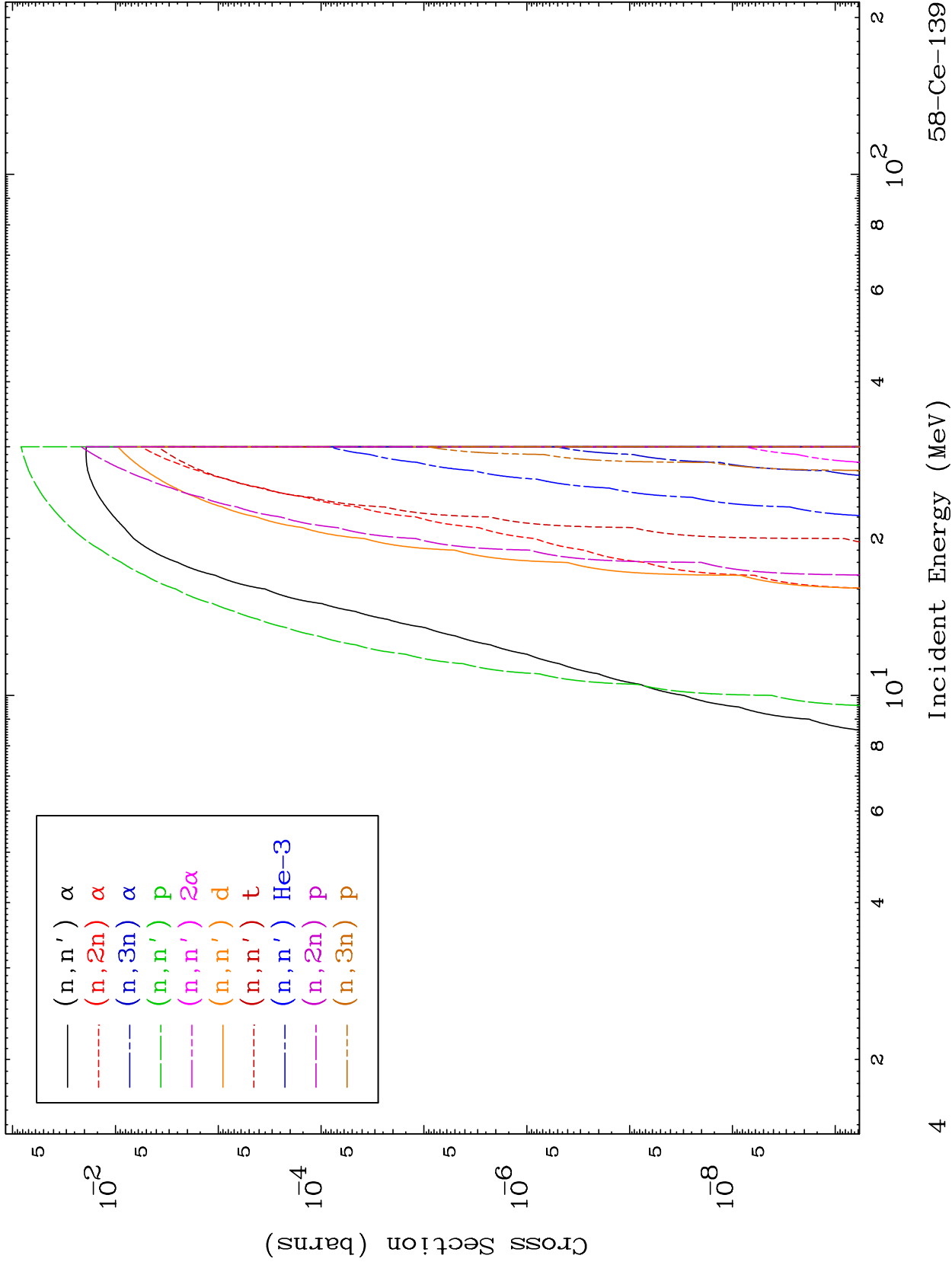




MAT 5834

Charged Particle
293 Kelvin Cross Sections

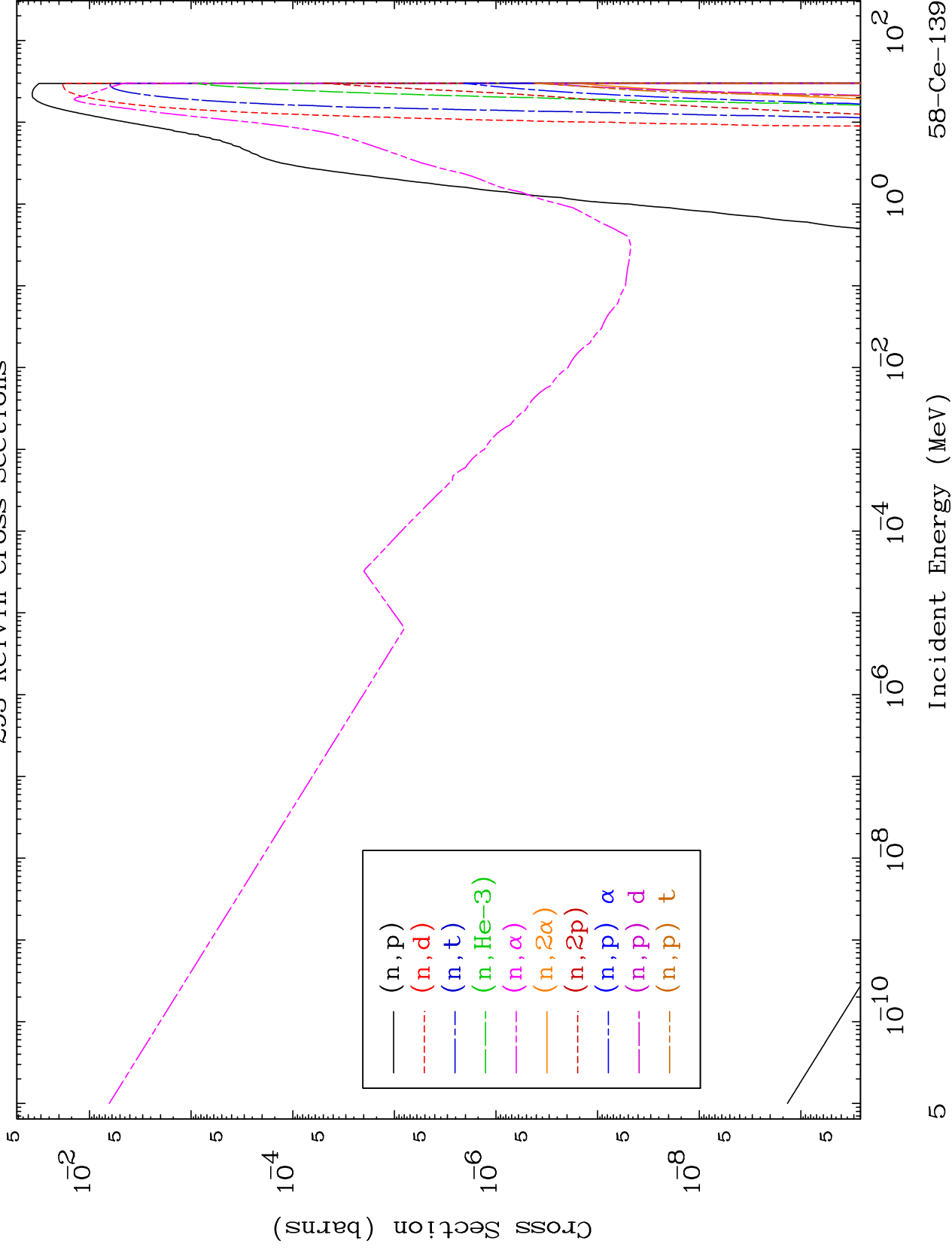
58-Ce-139



MAT 5834

Charged Particle
293 Kelvin Cross Sections

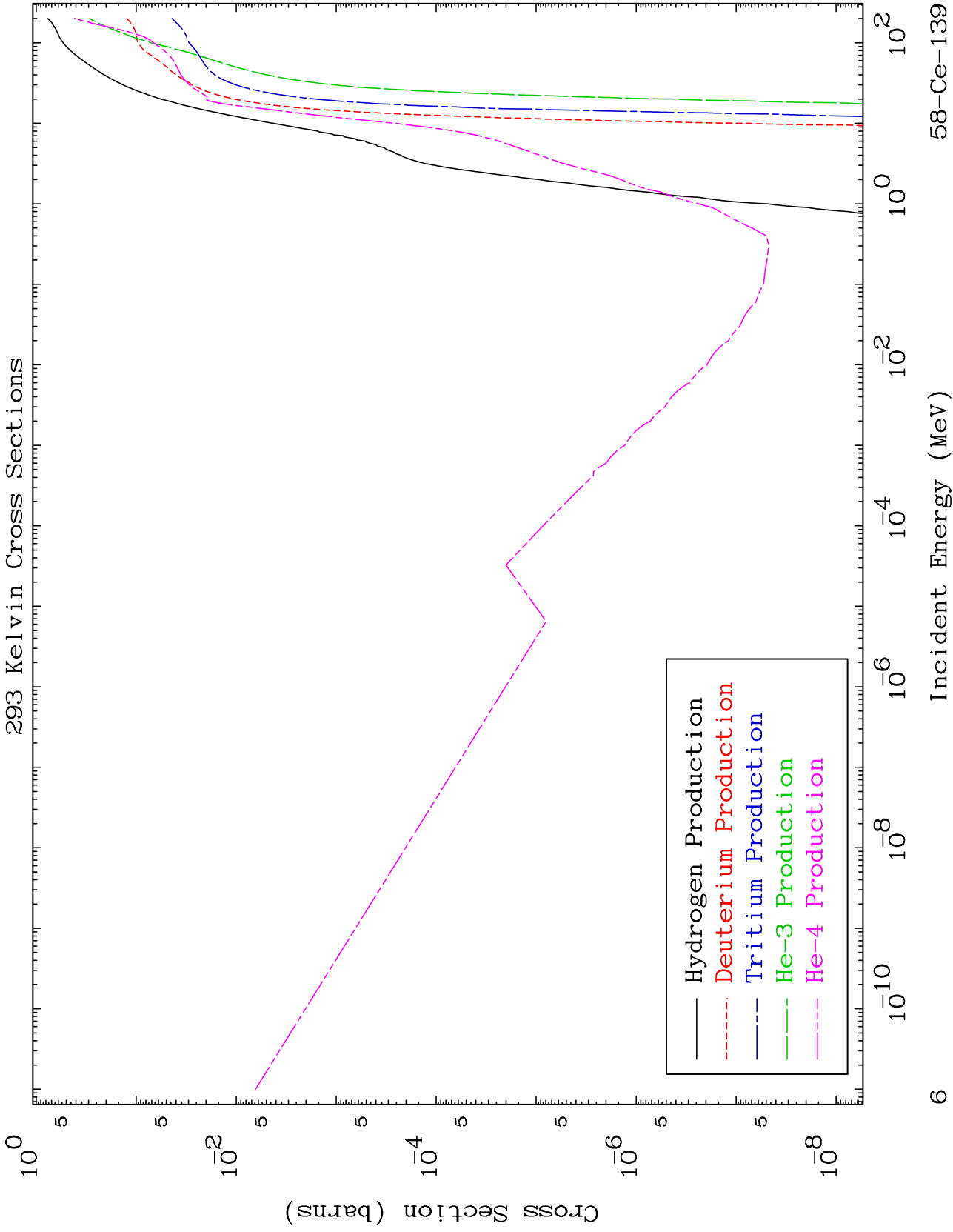
58-Ce-139



MAT 5834

Particle Production
293 Kelvin Cross Sections

58-Ce-139

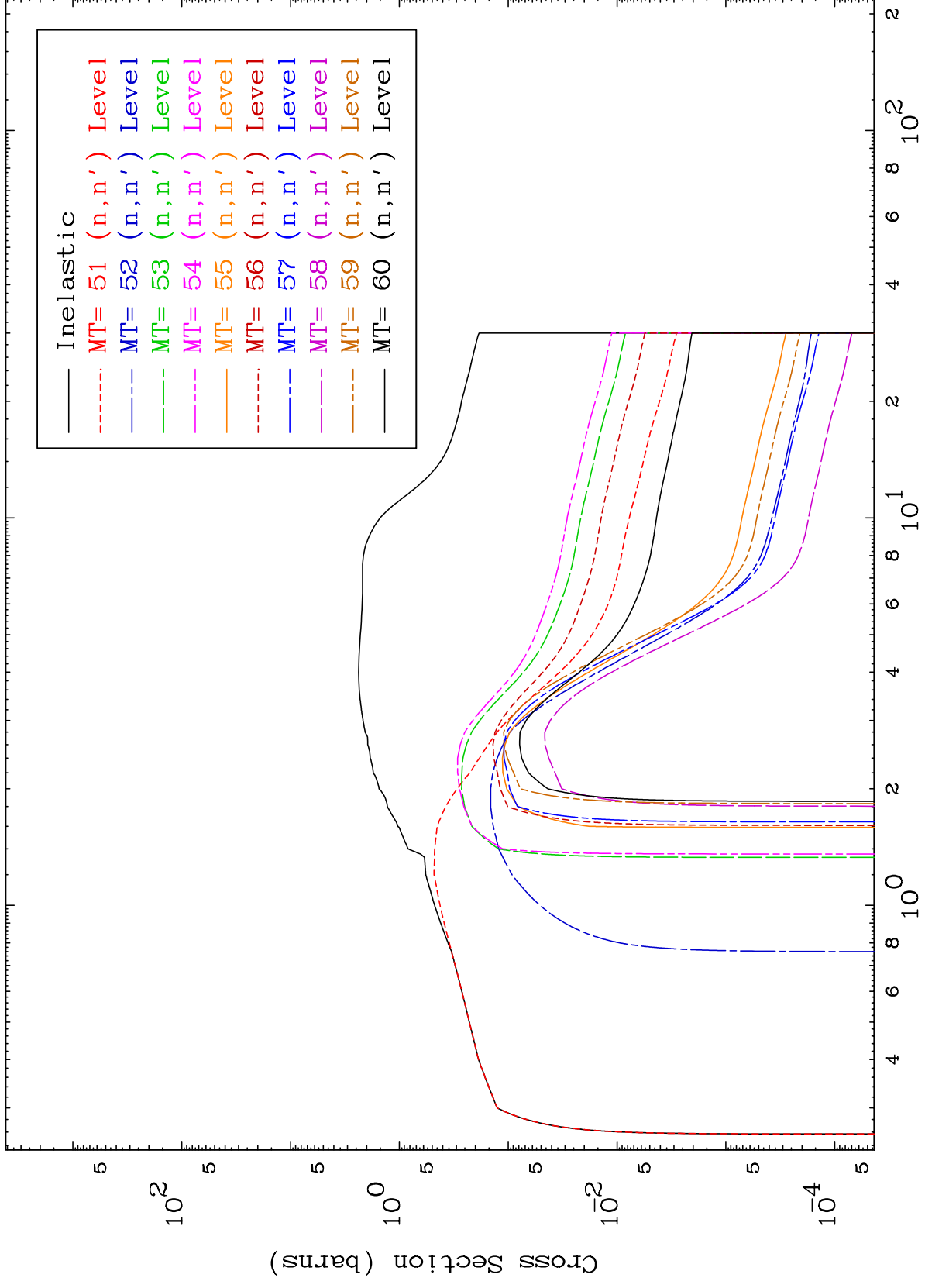


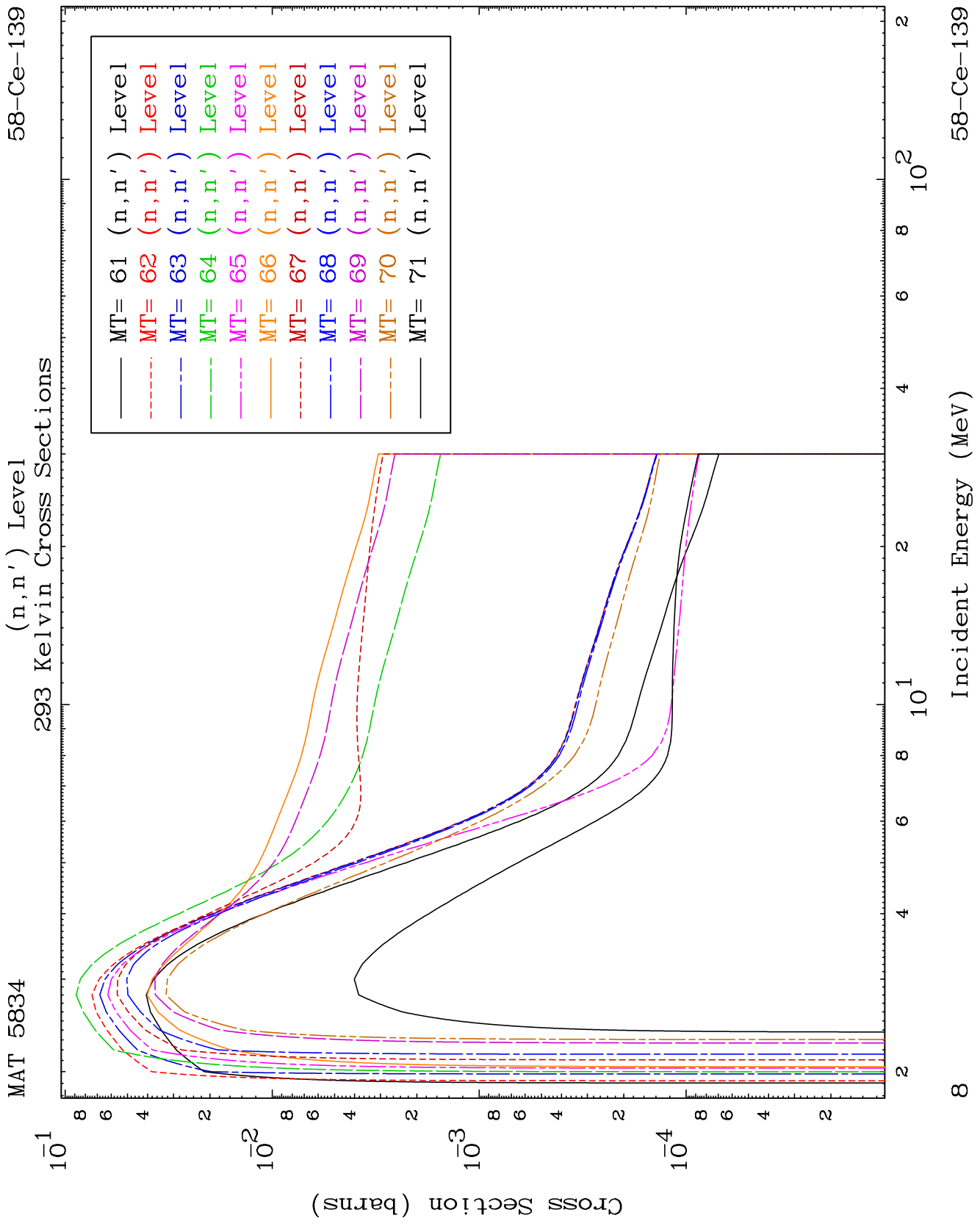
MAT 5834

(n,n') Level

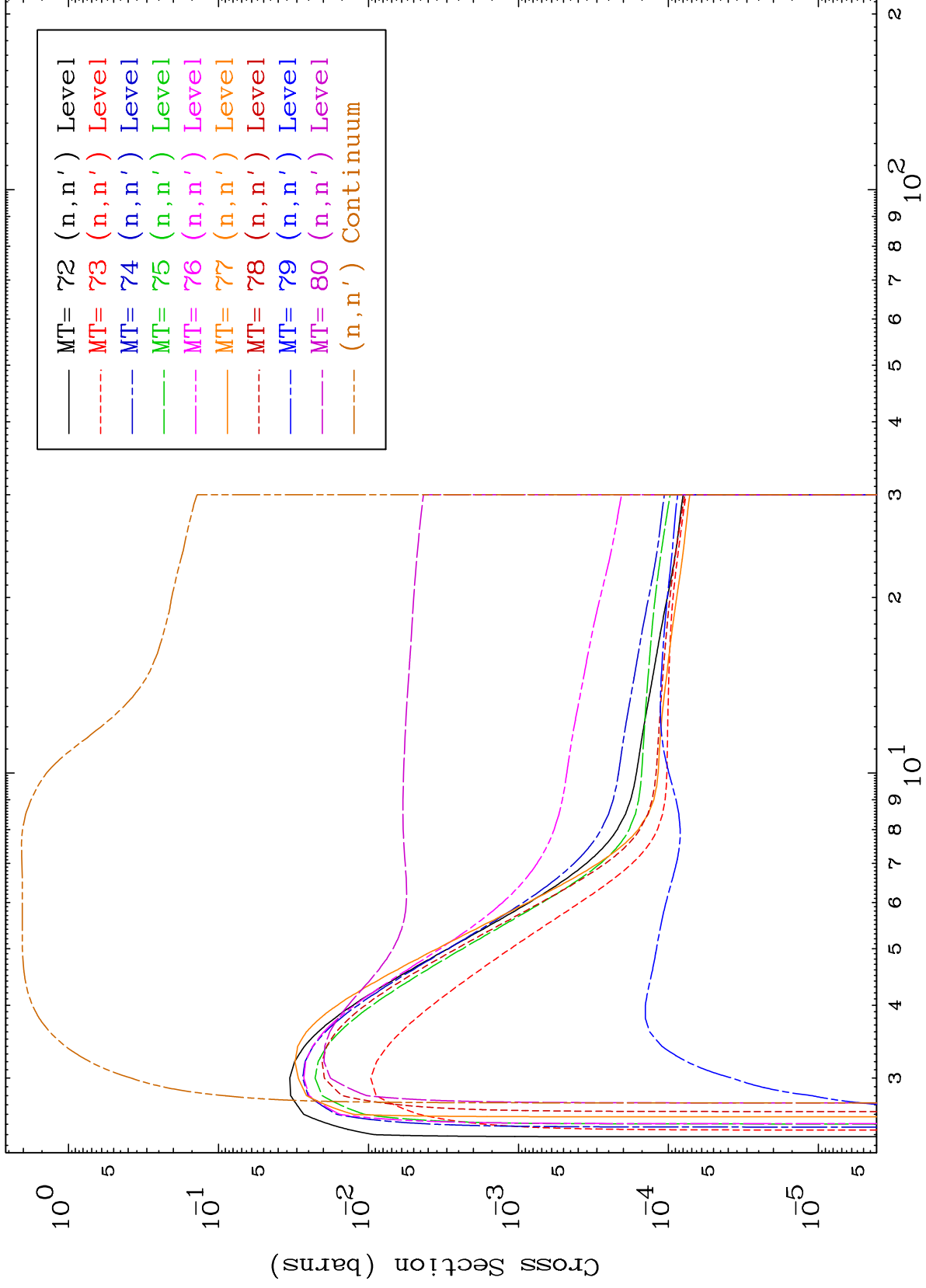
58-Ce-139

293 Kelvin Cross Sections





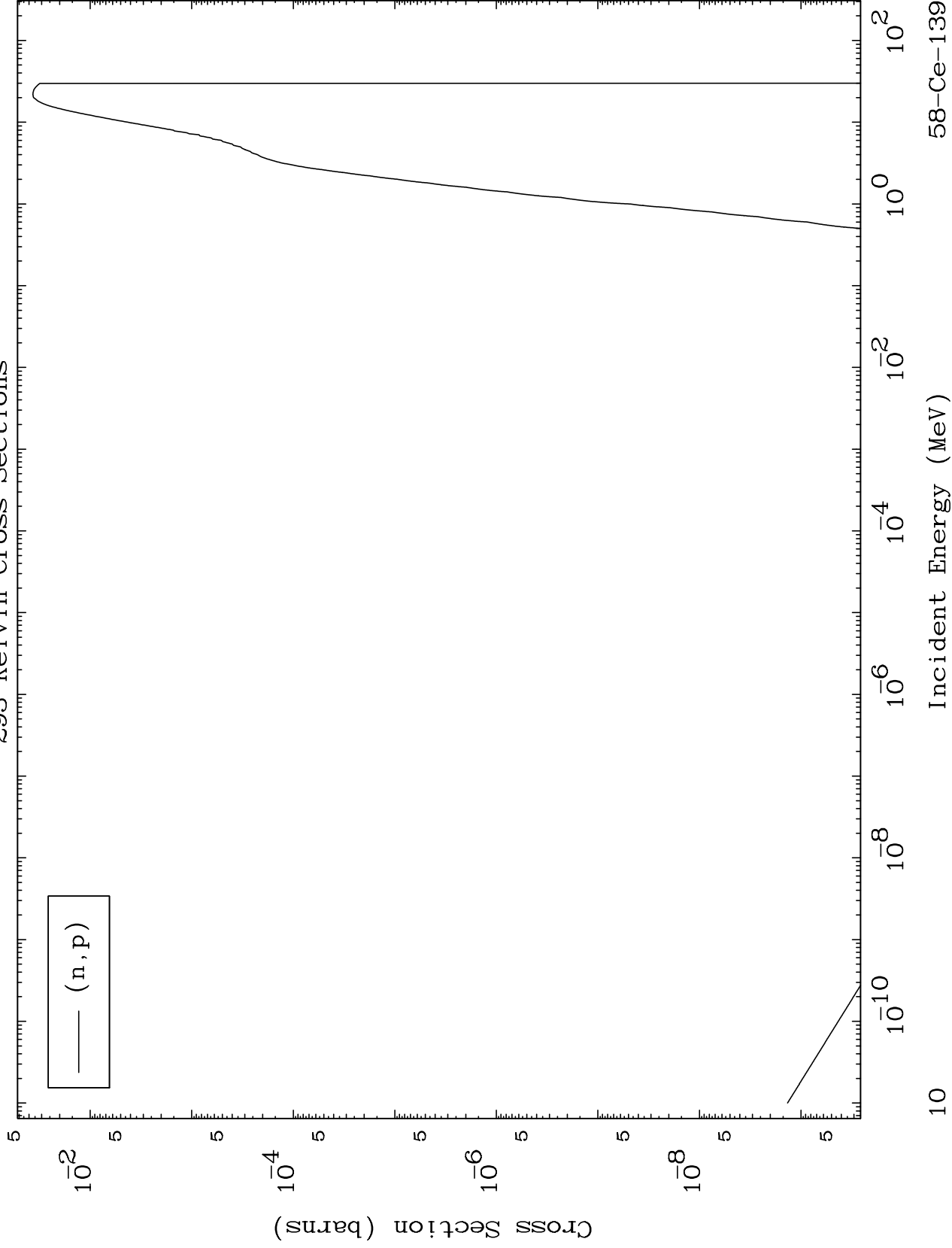
293 Kelvin Cross Sections



MAT 5834

(n,p) Levels
293 Kelvin Cross Sections

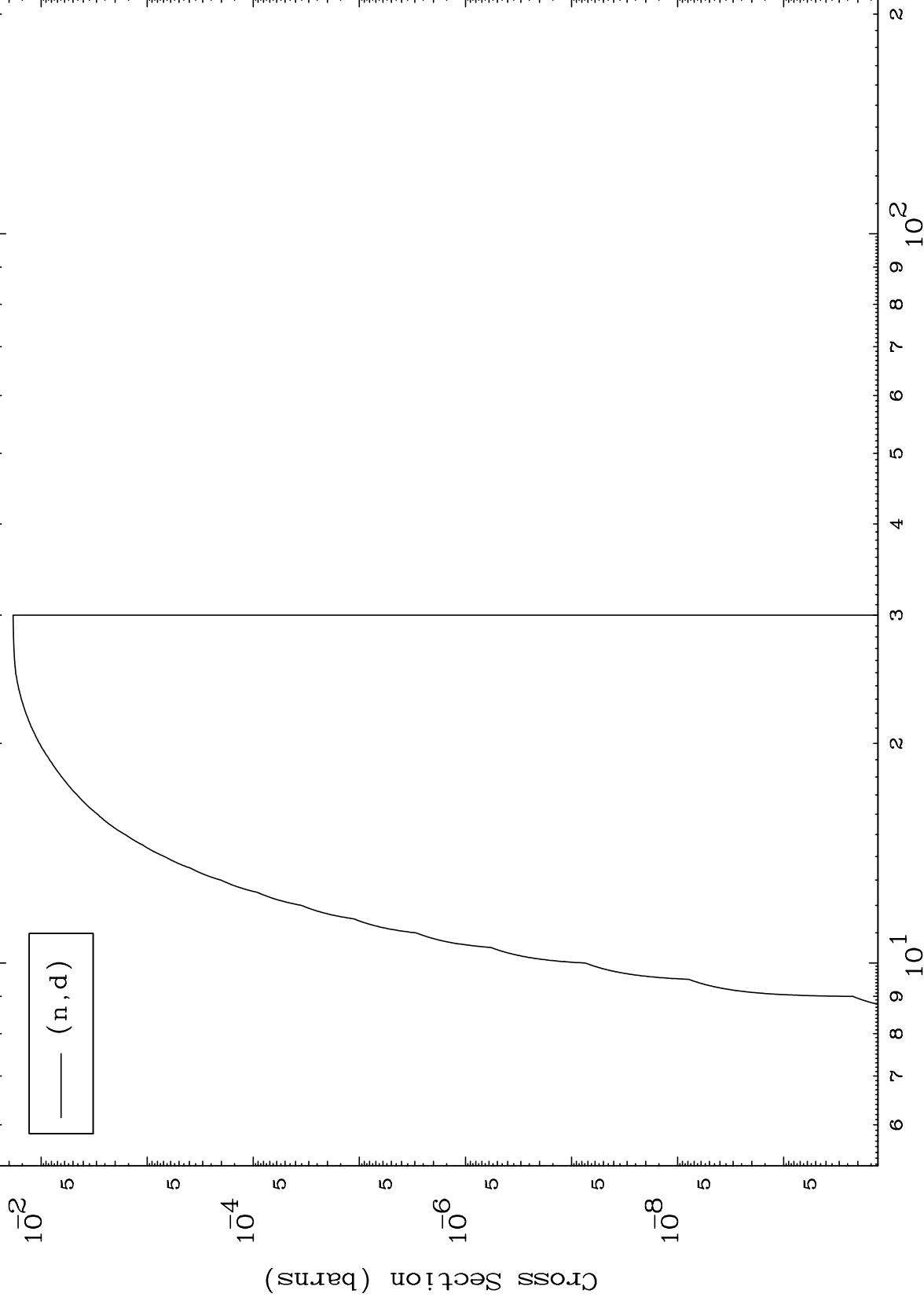
58-Ce-139



MAT 5834

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-139



11

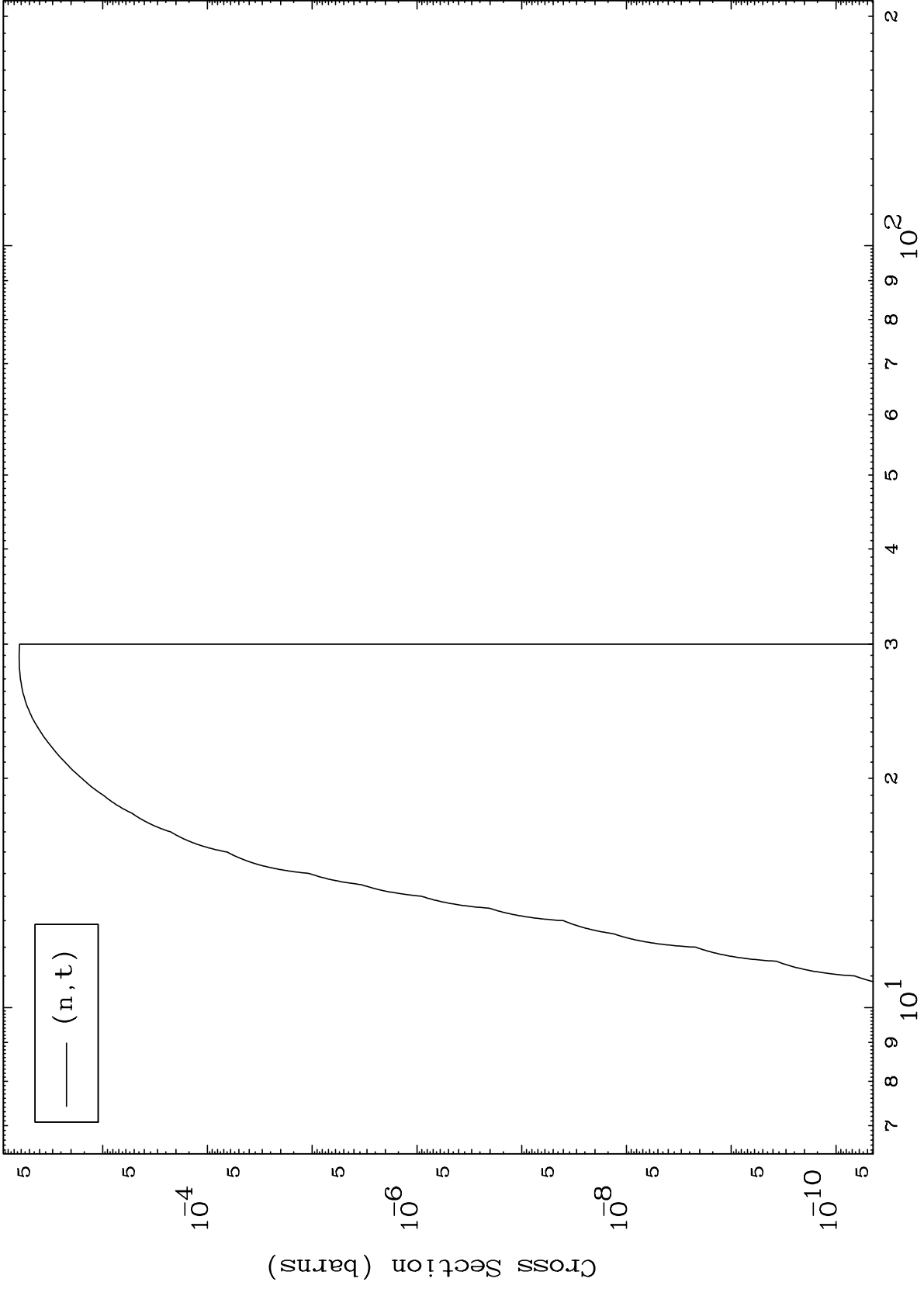
Incident Energy (MeV)

58-Ce-139

MAT 5834

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-139



12

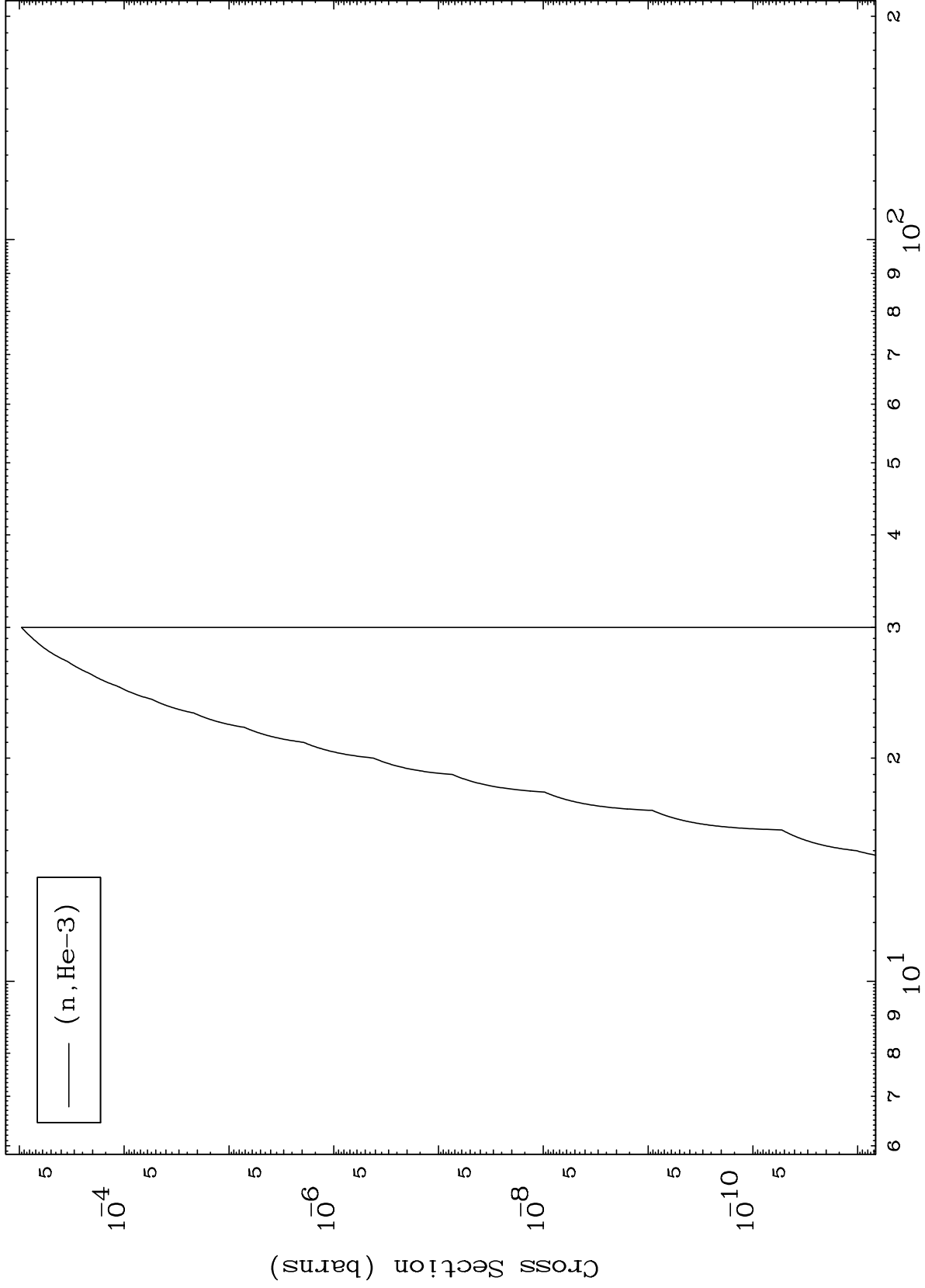
Incident Energy (MeV)

58-Ce-139

MAT 5834

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-139



13

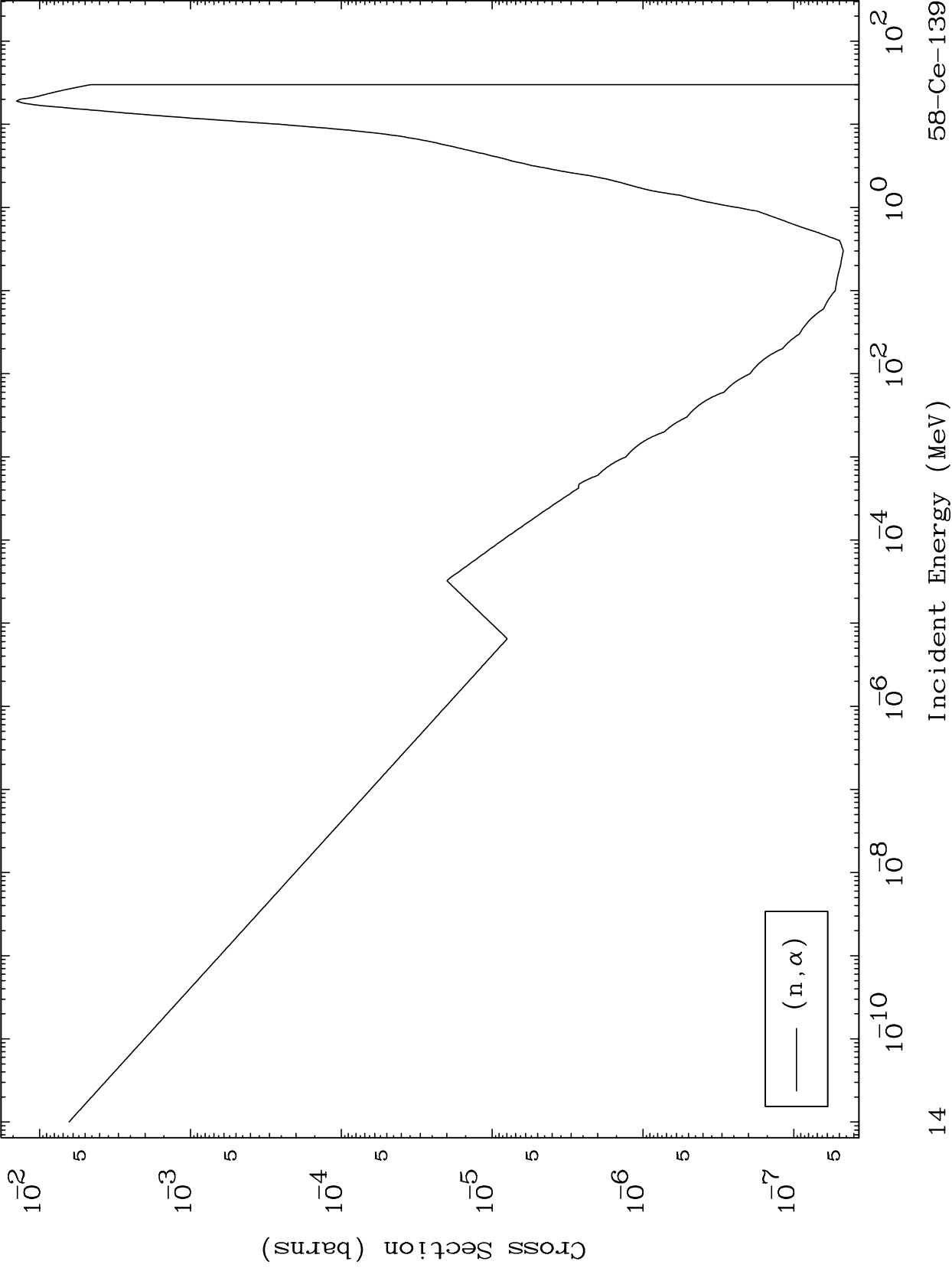
Incident Energy (MeV)

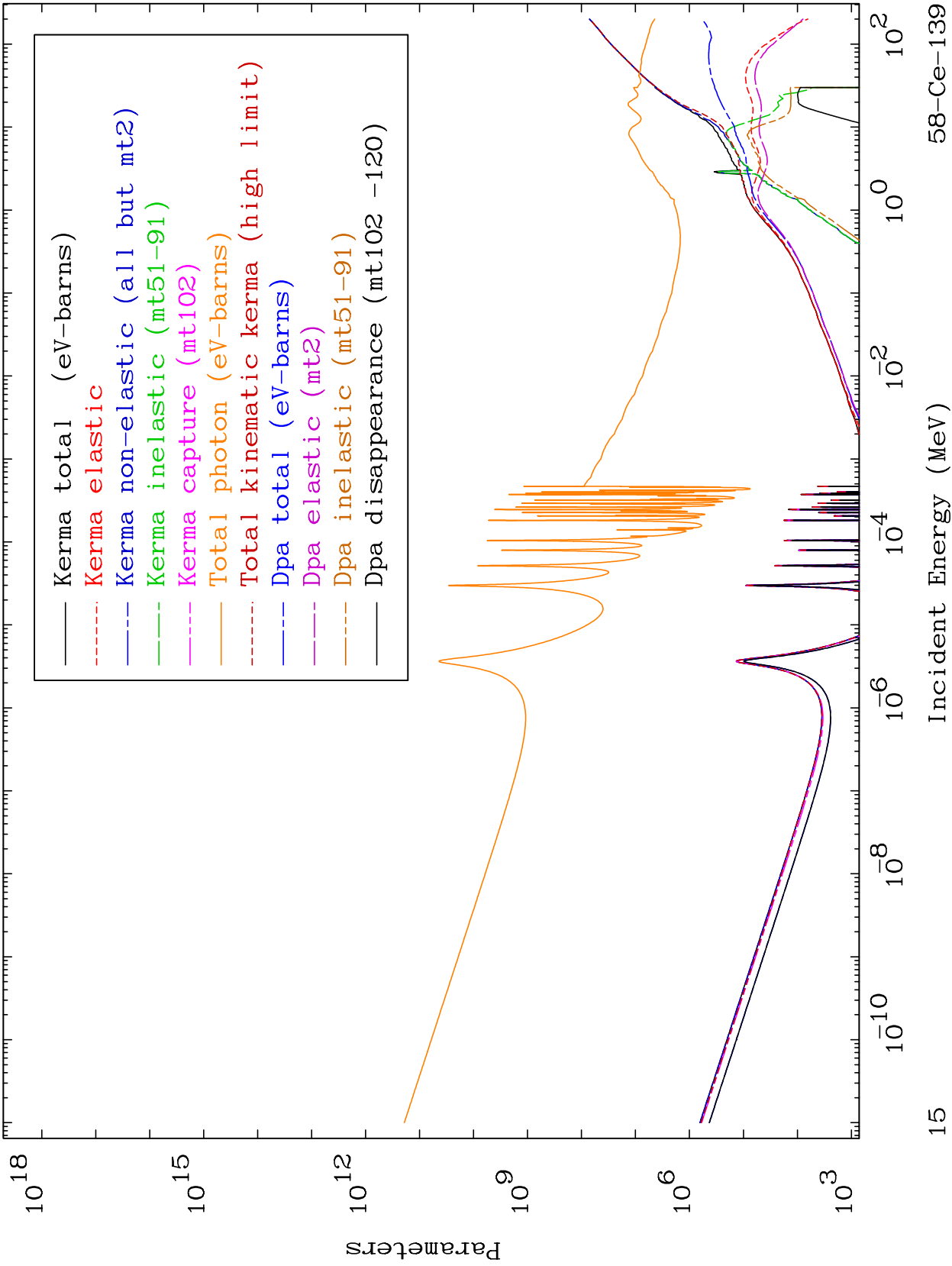
58-Ce-139

MAT 5834

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-139

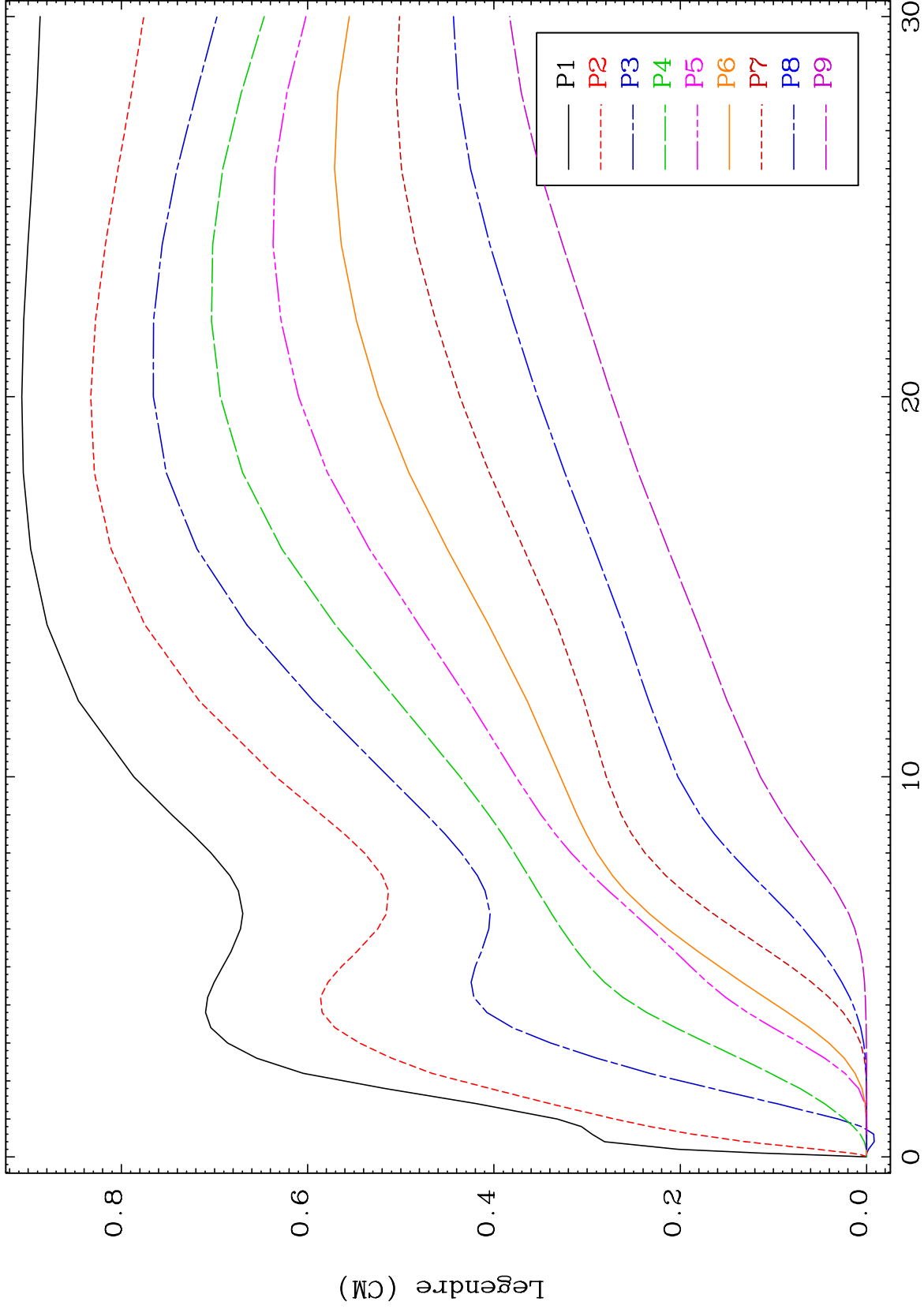




MAT 5834

Elastic Legendre Coefficients

58-Ce-139



16

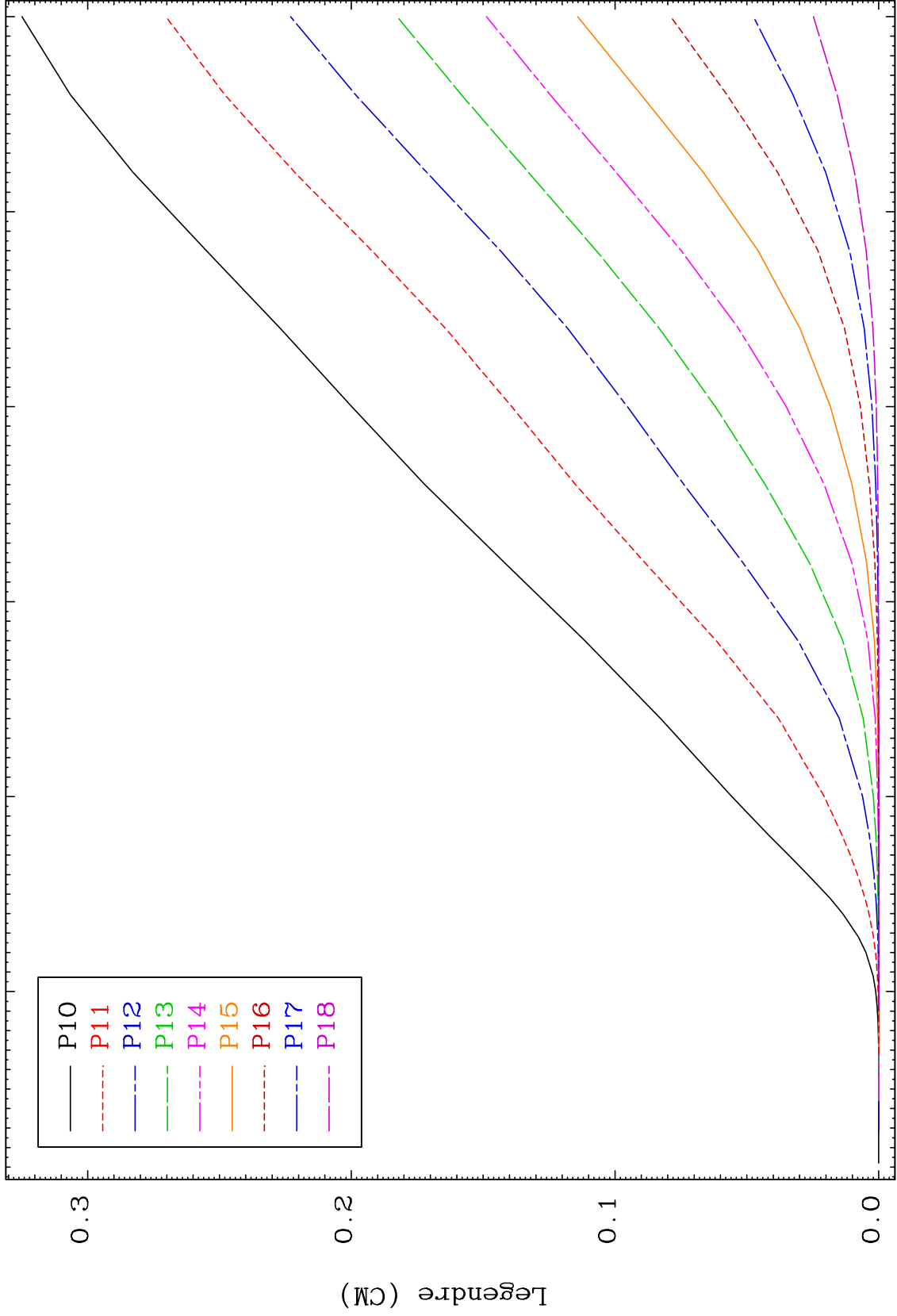
Incident Energy (MeV)

58-Ce-139

MAT 5834

Elastic Legendre Coefficients

58-Ce-139



17

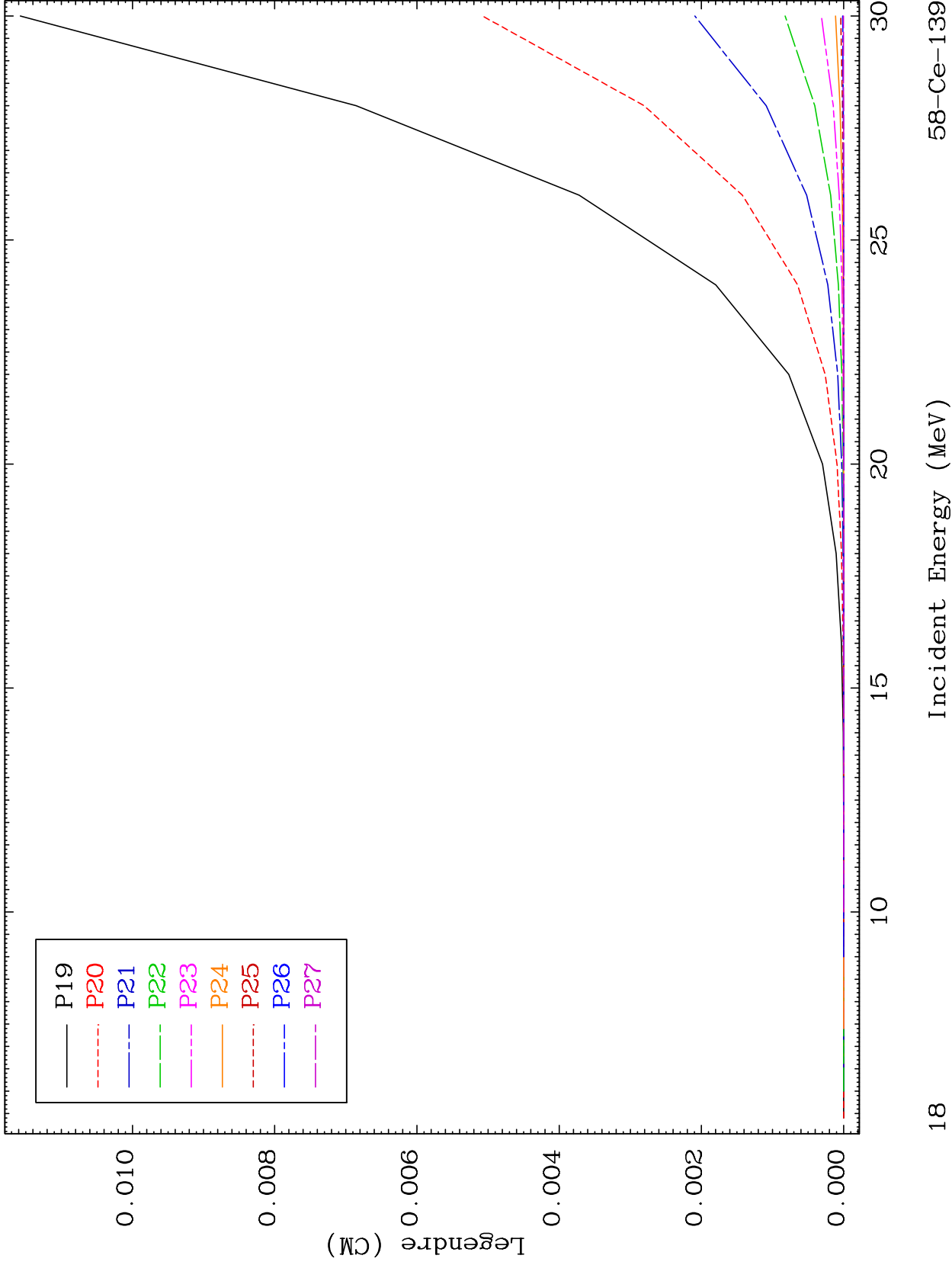
Incident Energy (MeV)

58-Ce-139

MAT 5834

Elastic Legendre Coefficients

58-Ce-139



18

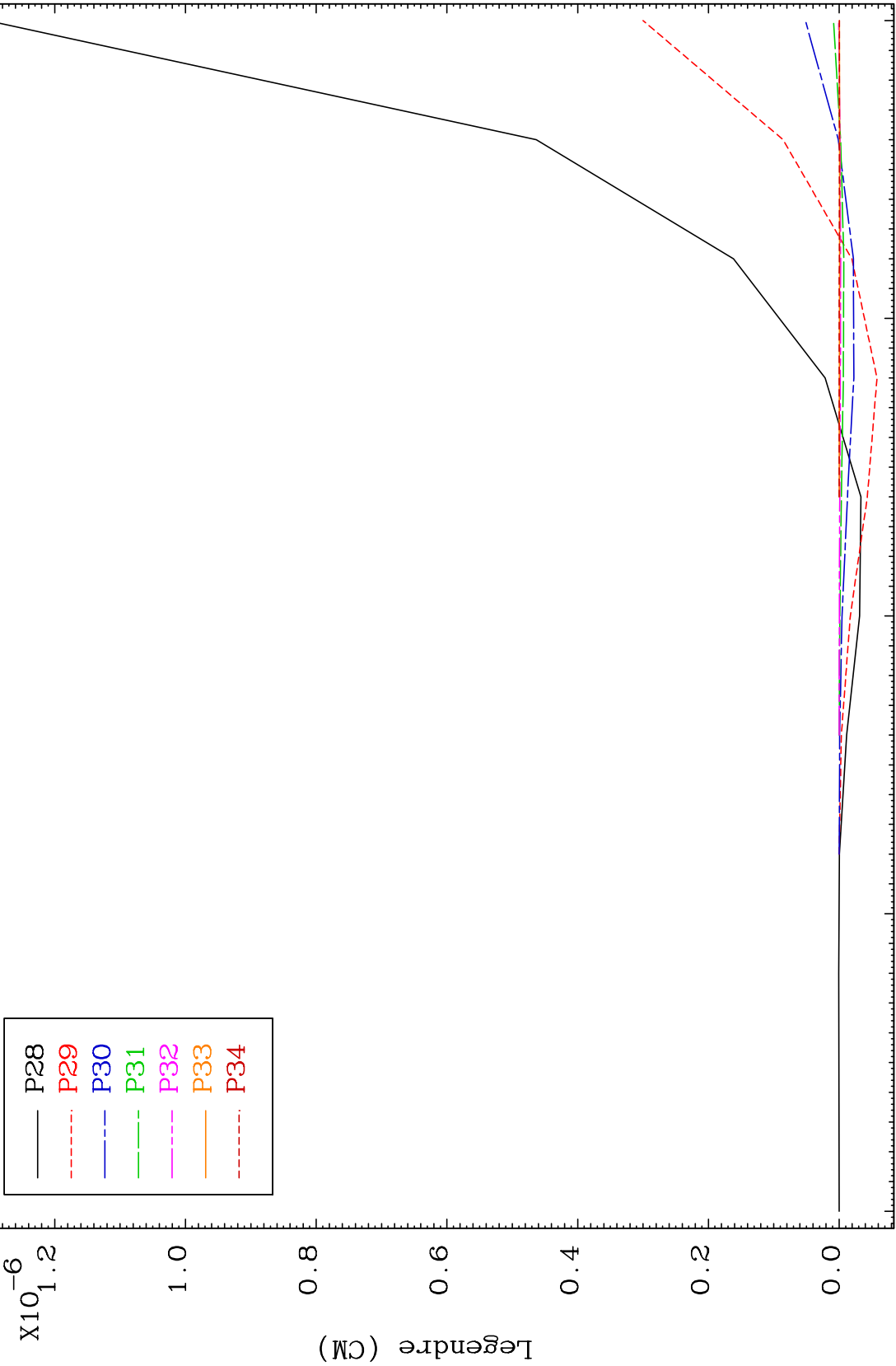
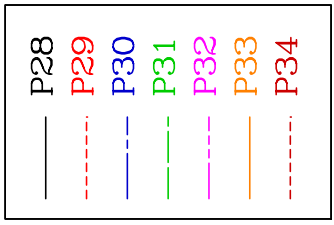
Incident Energy (MeV)

58-Ce-139

MAT 5834

Elastic Legendre Coefficients

58-Ce-139



19

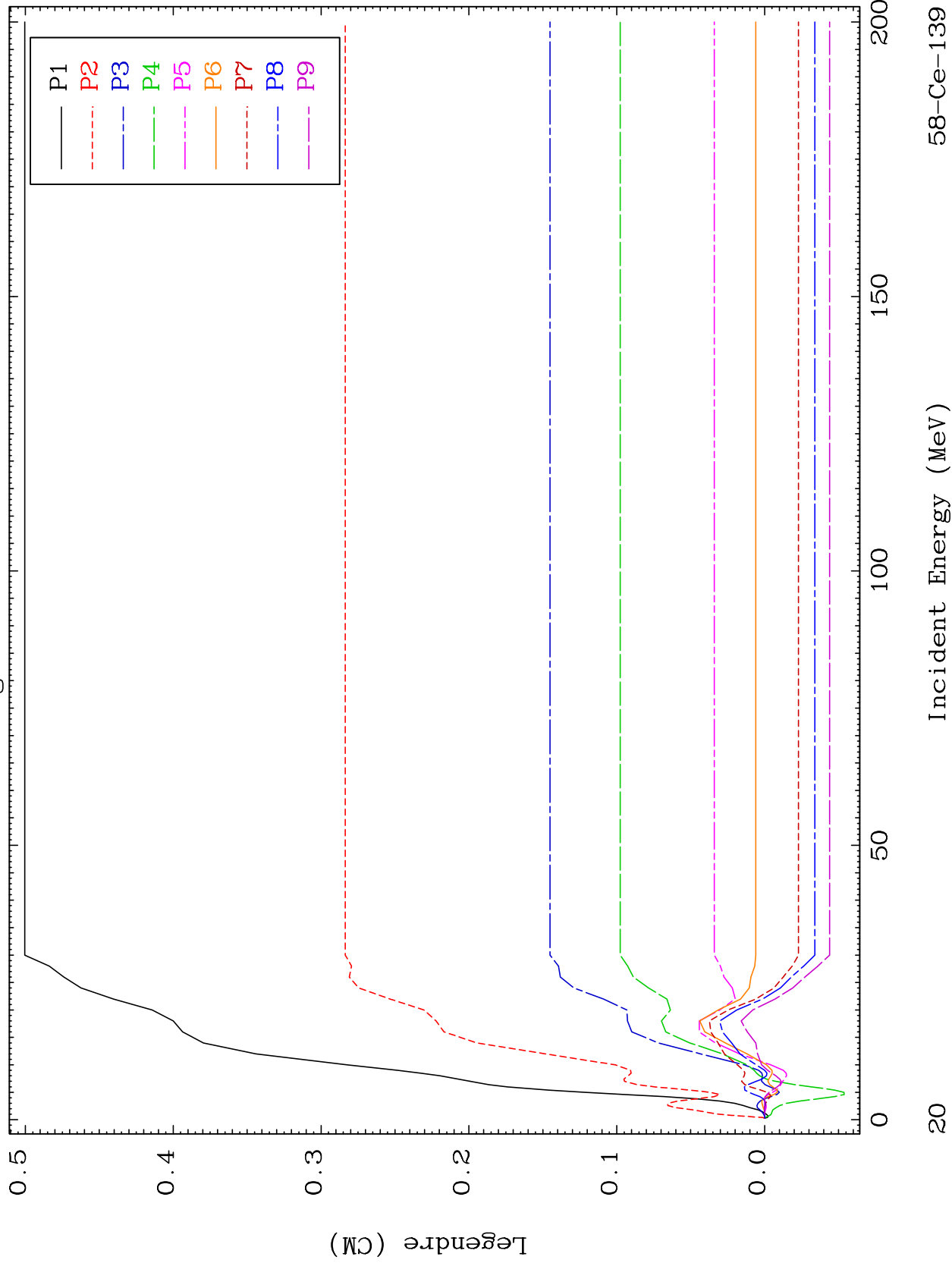
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

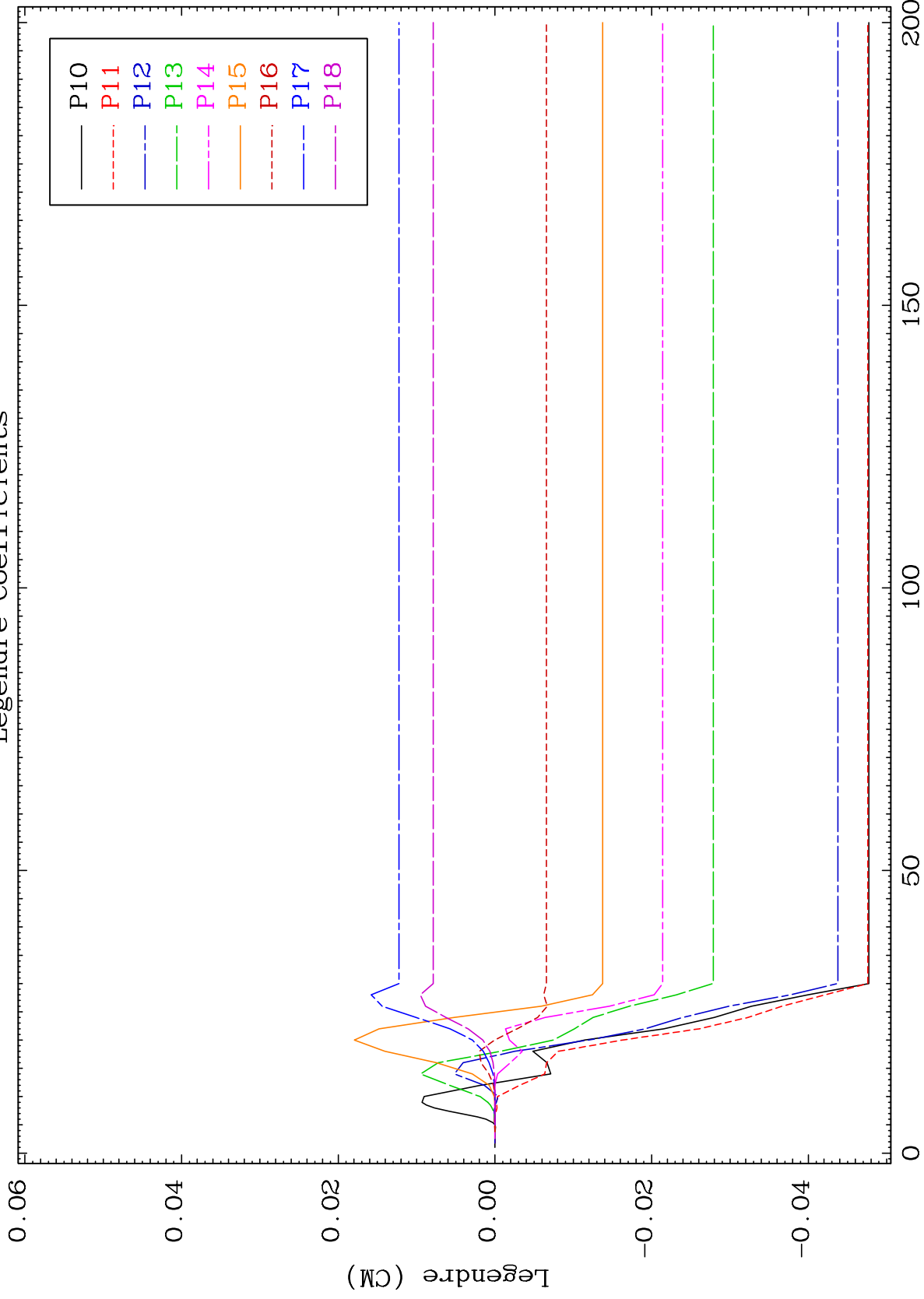
58-Ce-139



MAT 5834

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

58-Ce-139



21

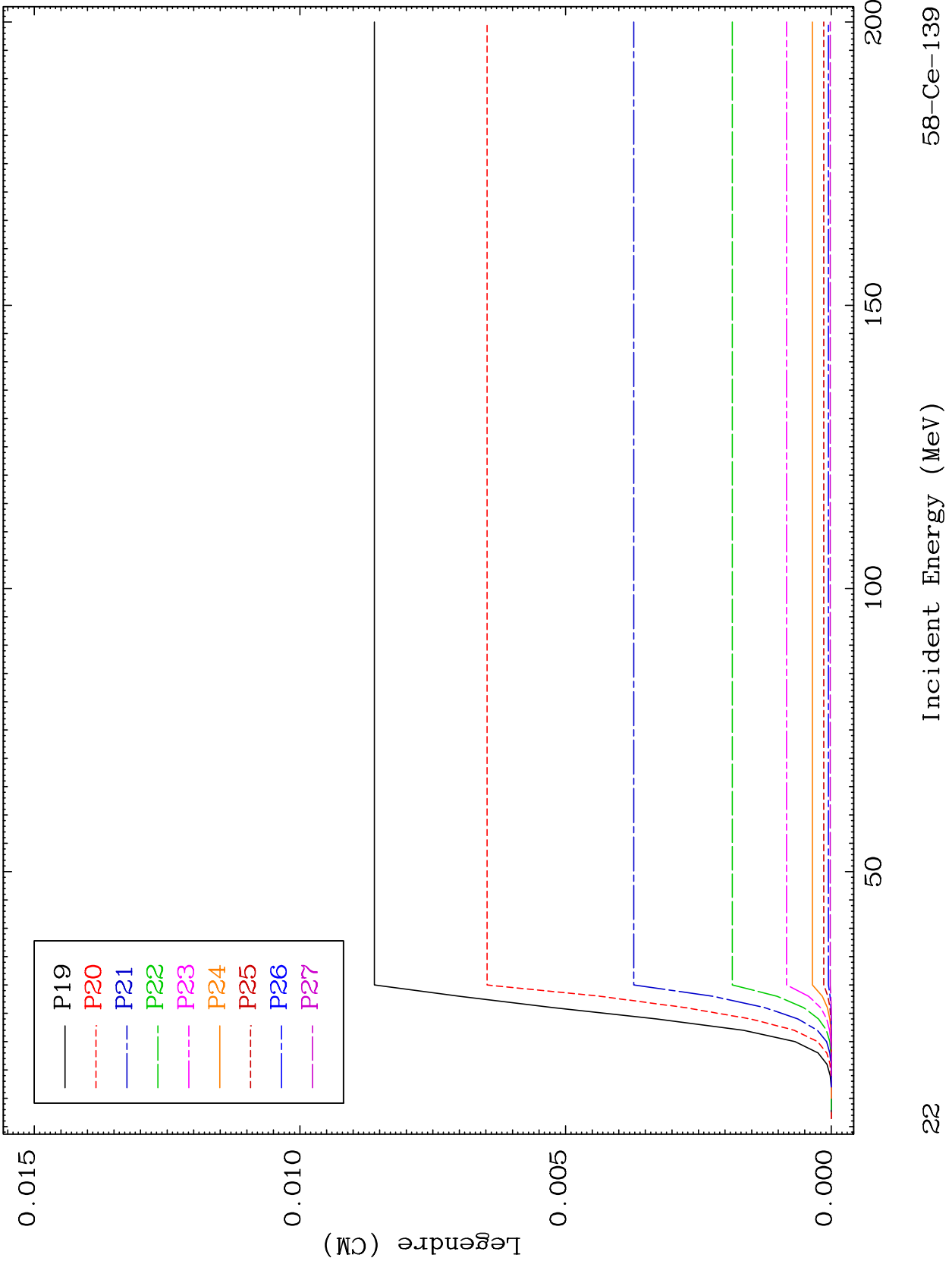
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

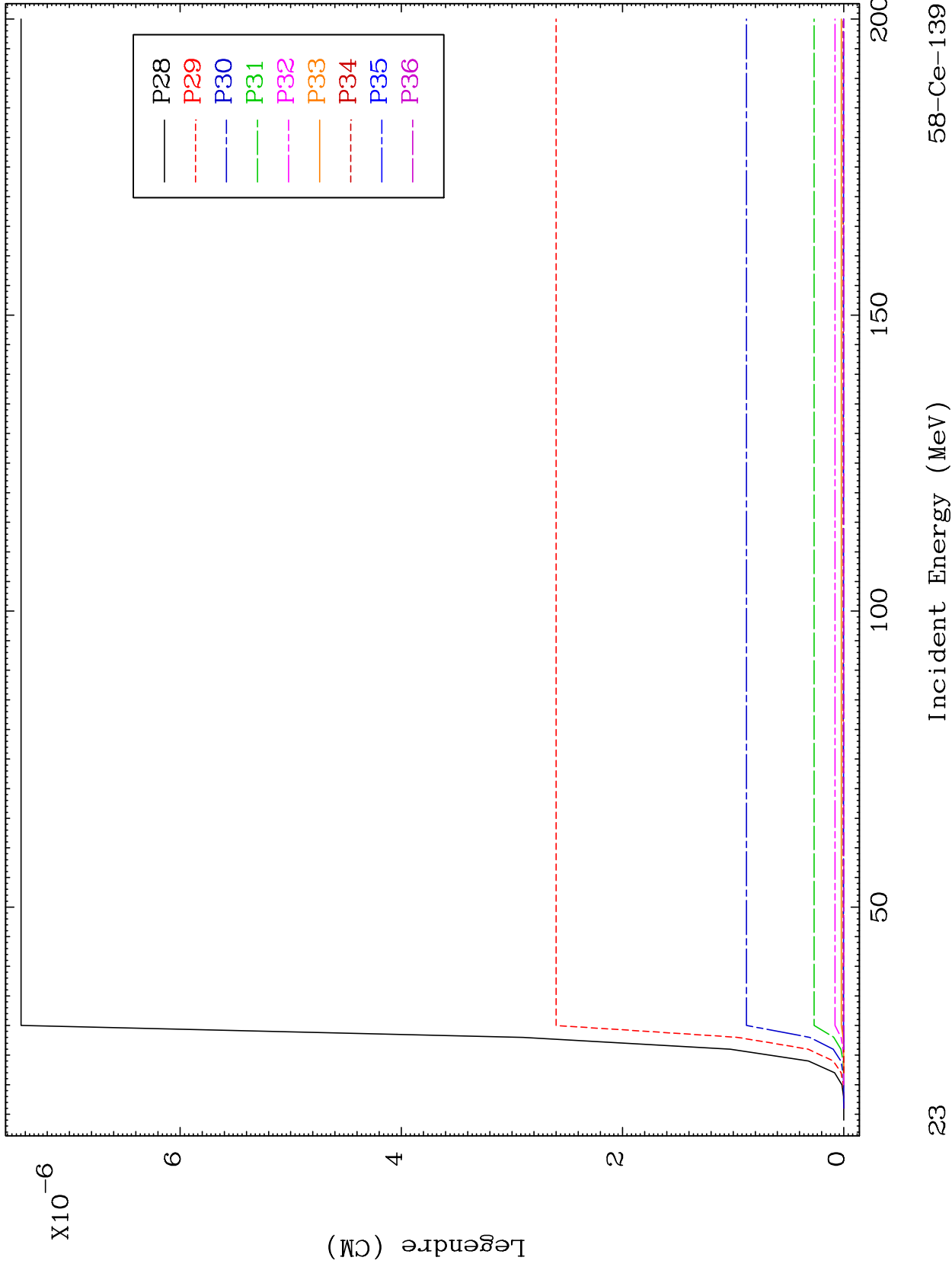
58-Ce-139



MAT 5834

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

58-Ce-139

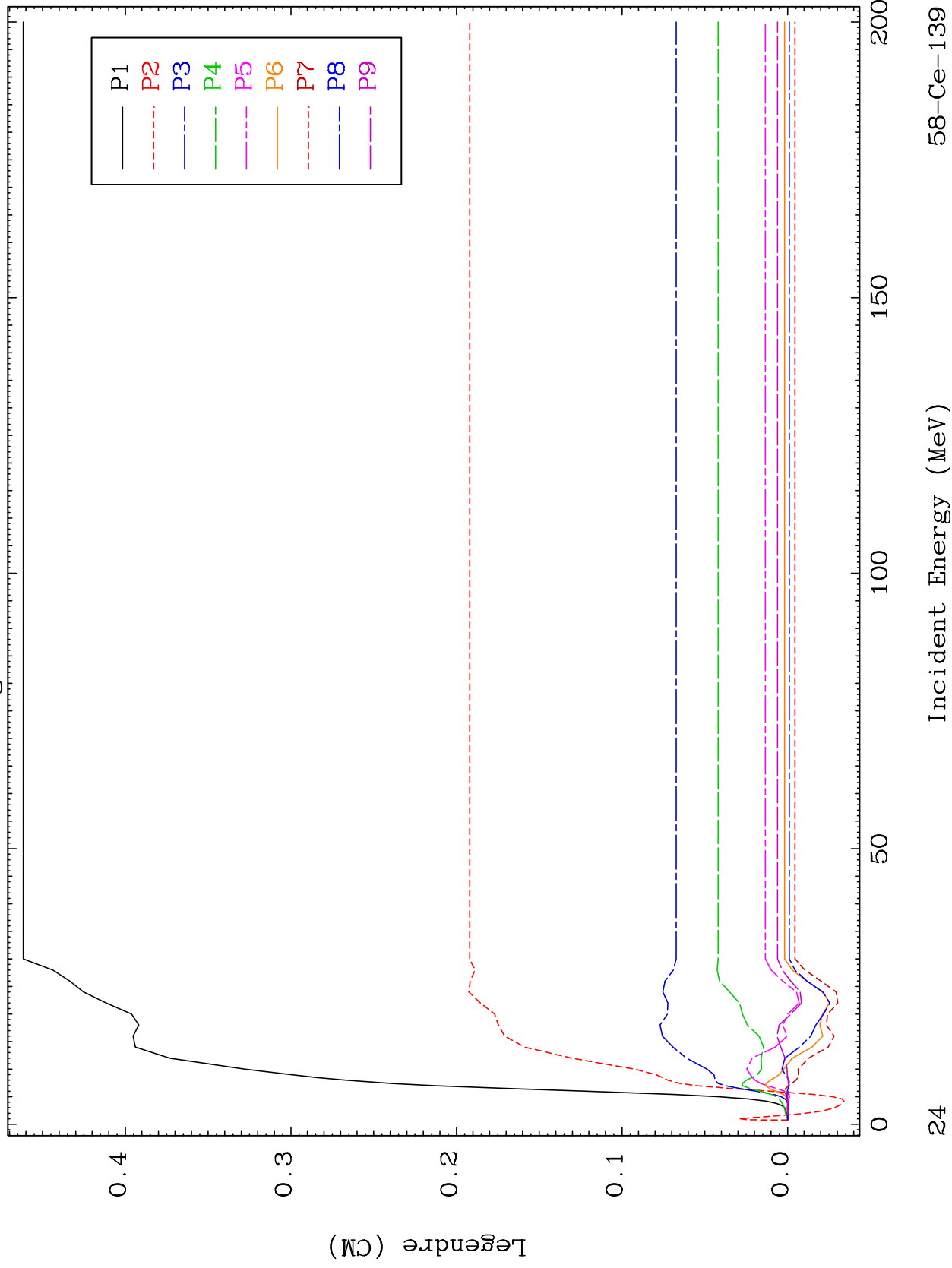


23

MAT 5834

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

58-Ce-139



58-Ce-139

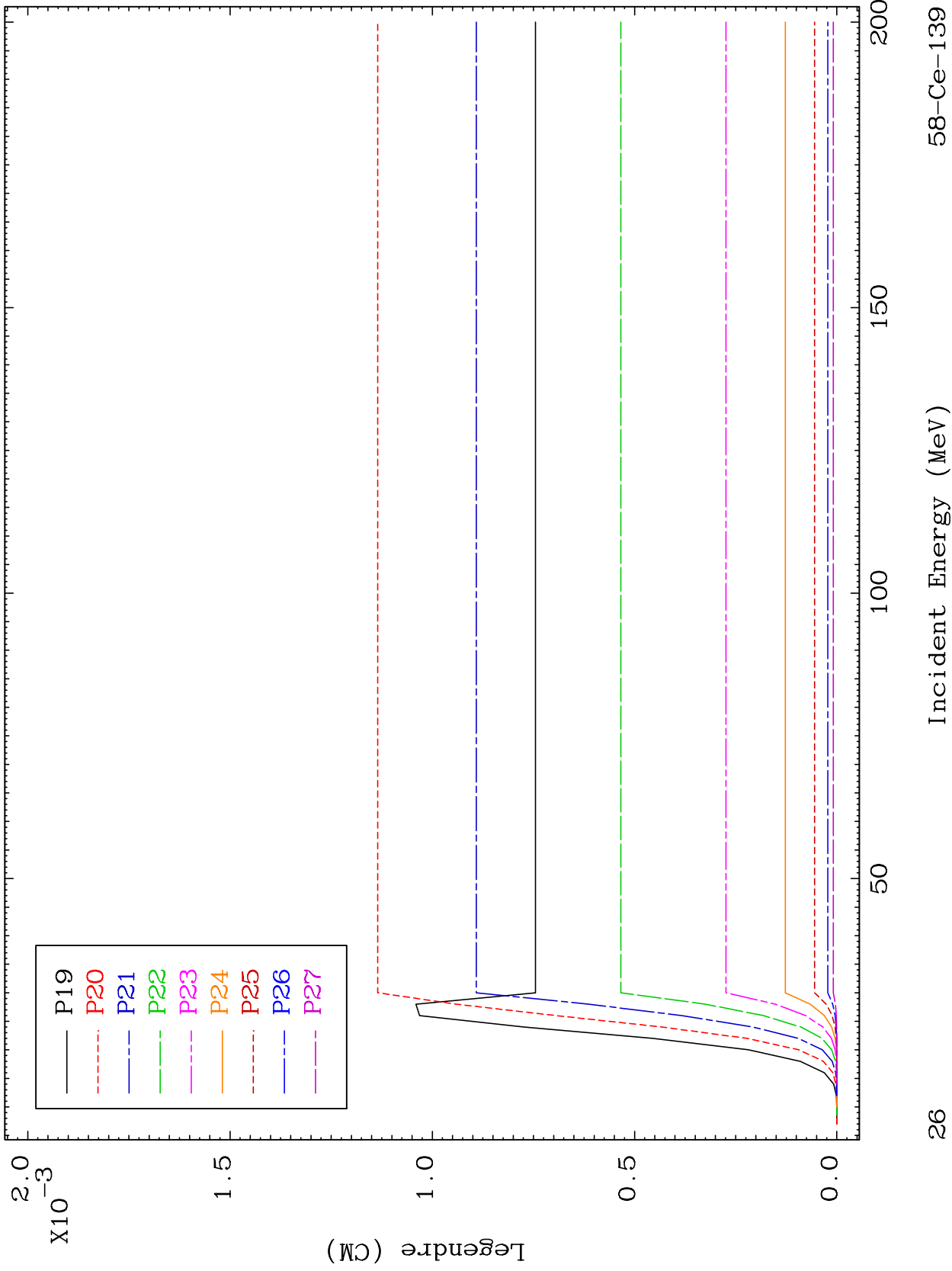
Incident Energy (MeV)

24

MAT 5834

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

58-Ce-139



26

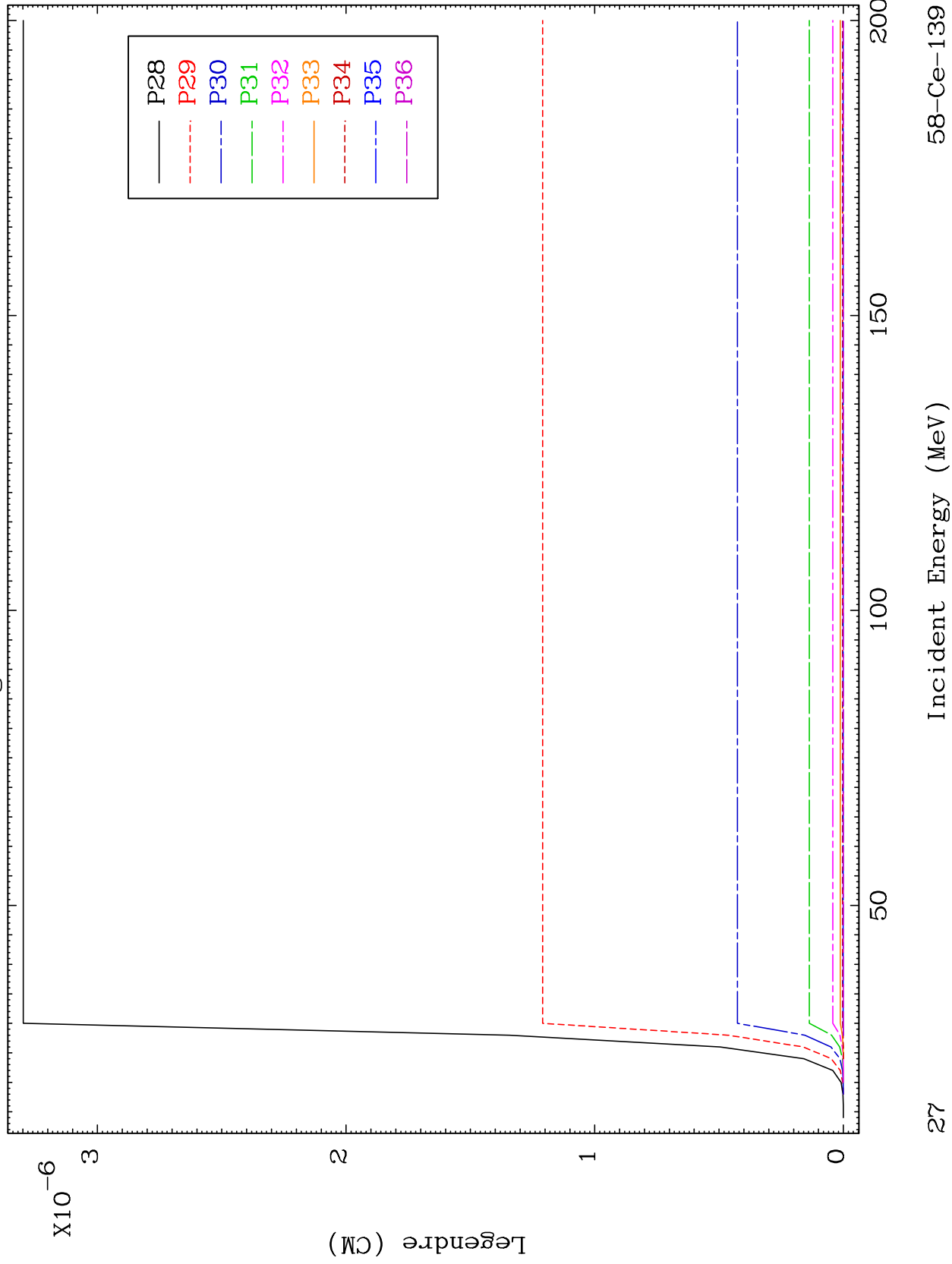
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



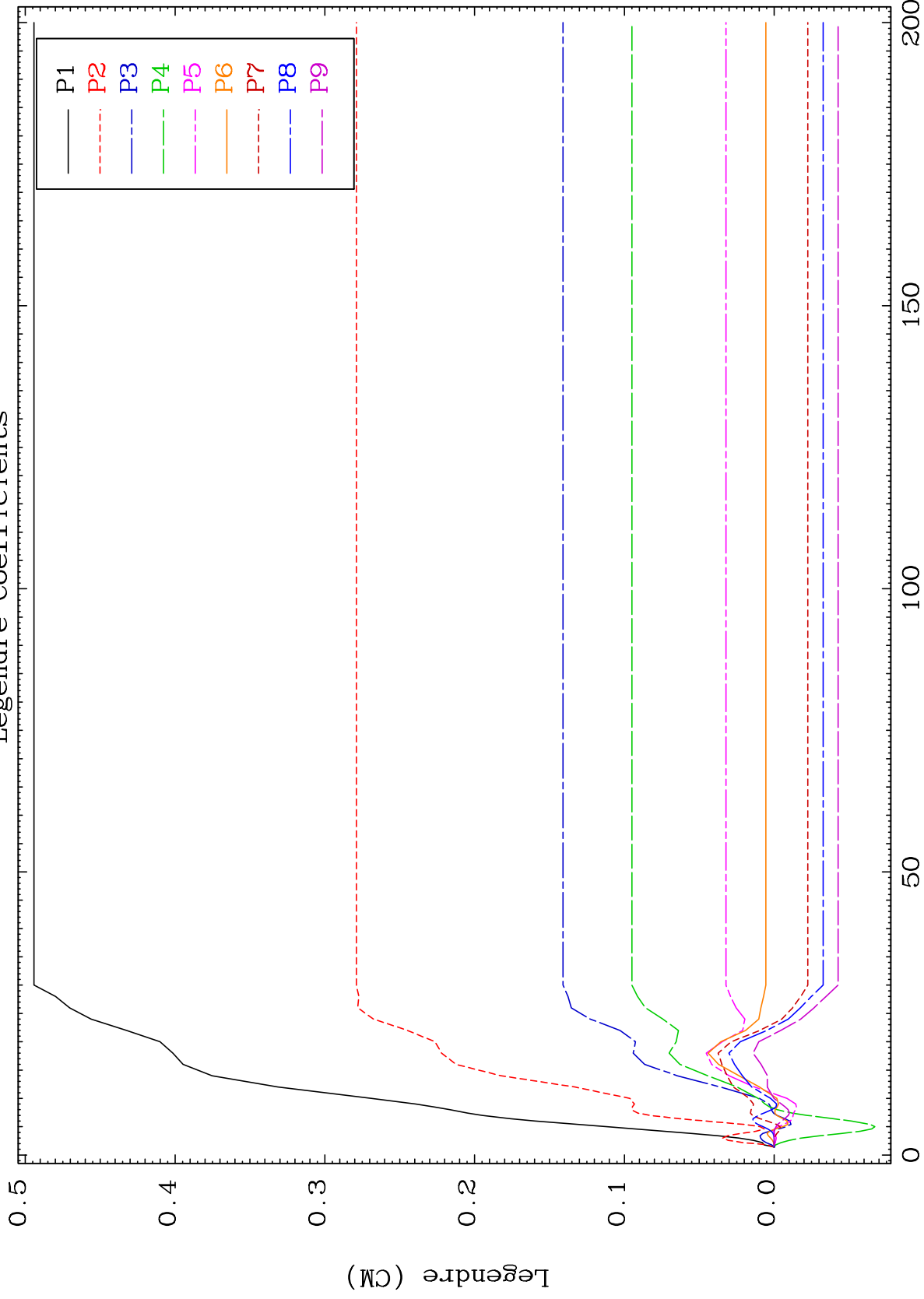
27

MAT 5834

MT= 53 (n,n') Level

58-Ce-139

Legendre Coefficients



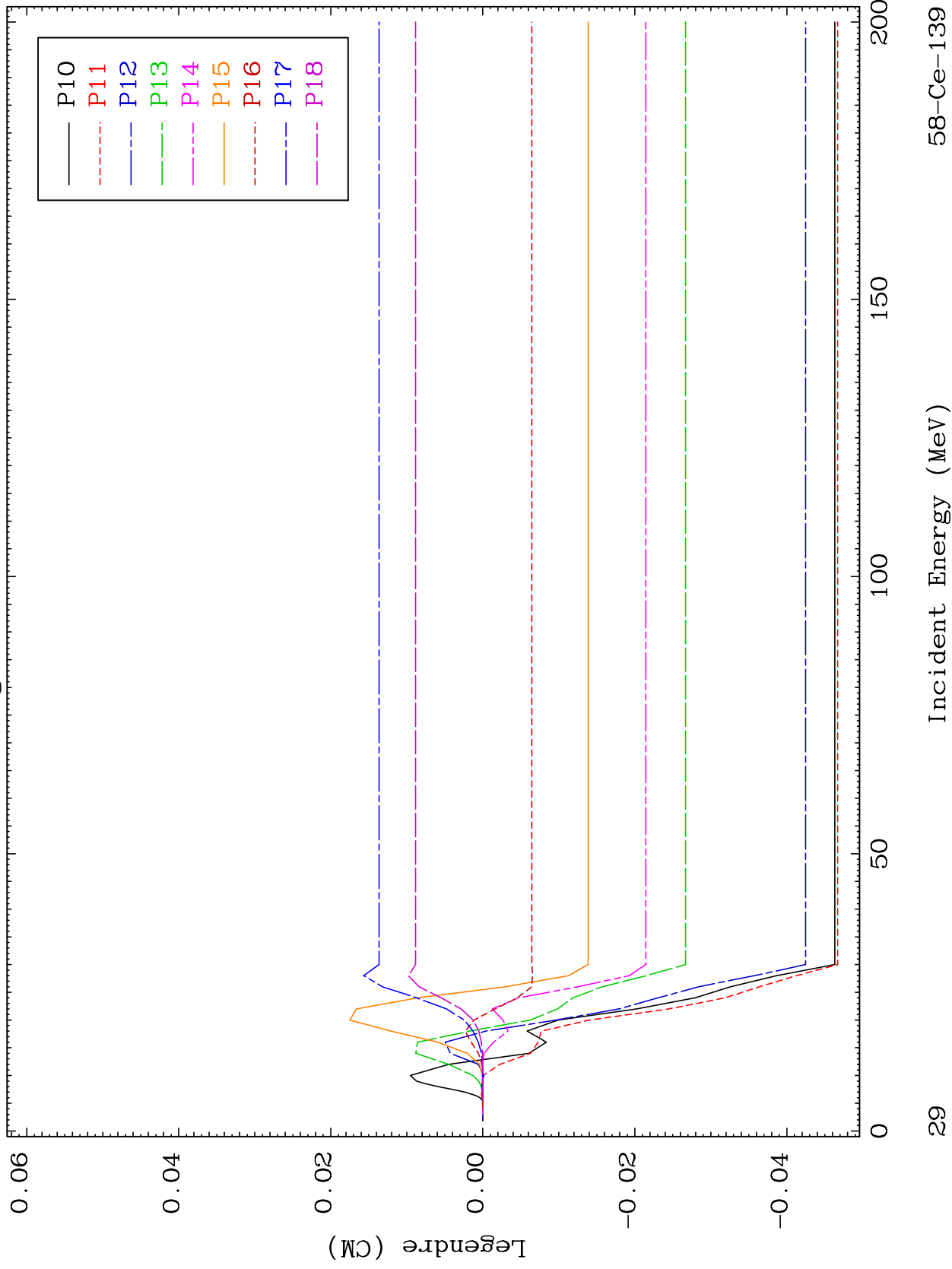
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58-Ce-139

MAT 5834

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

58-Ce-139



29

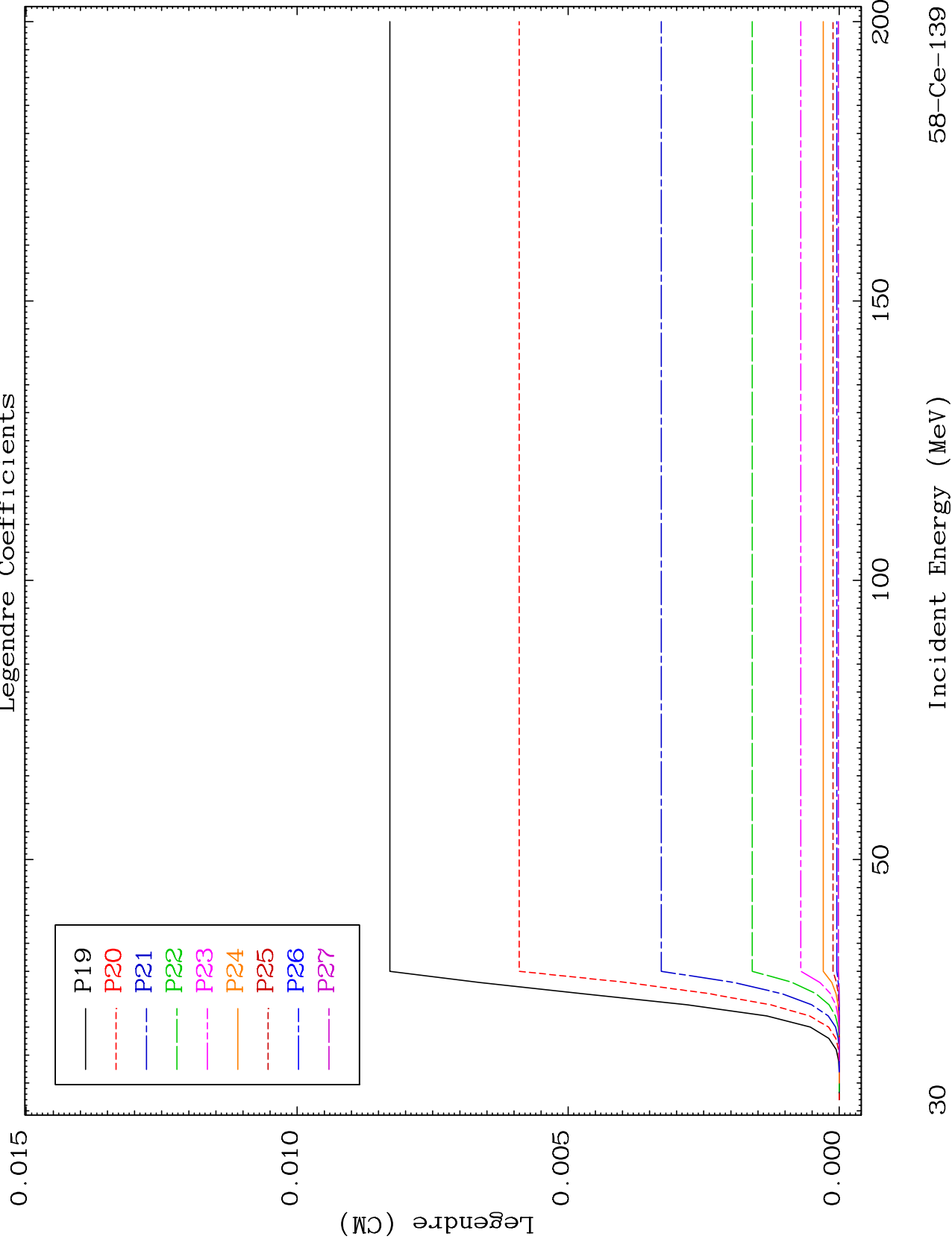
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

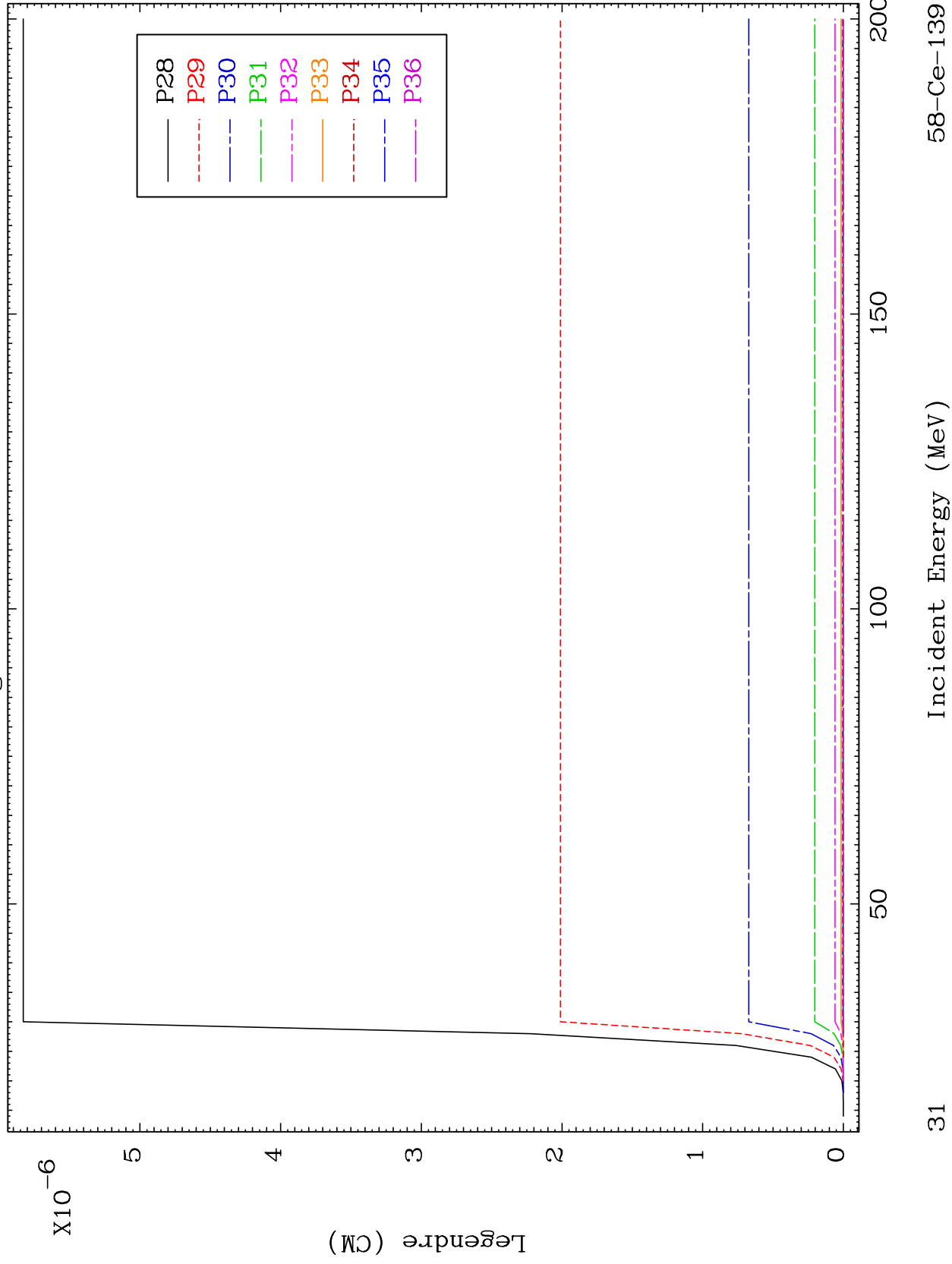
Incident Energy (MeV)

30

MAT 5834

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

58-Ce-139



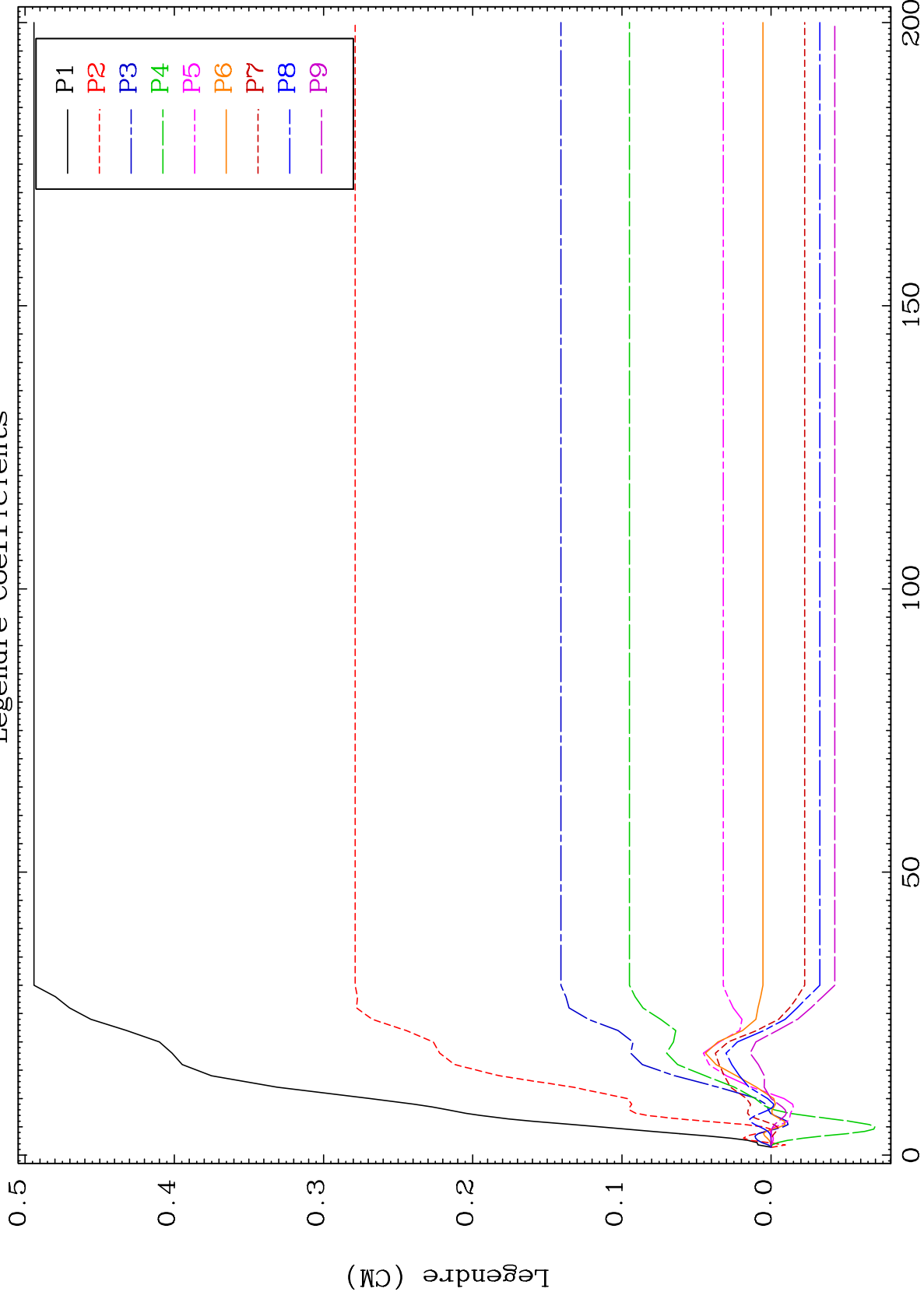
31

58-Ce-139

MAT 5834

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

58-Ce-139



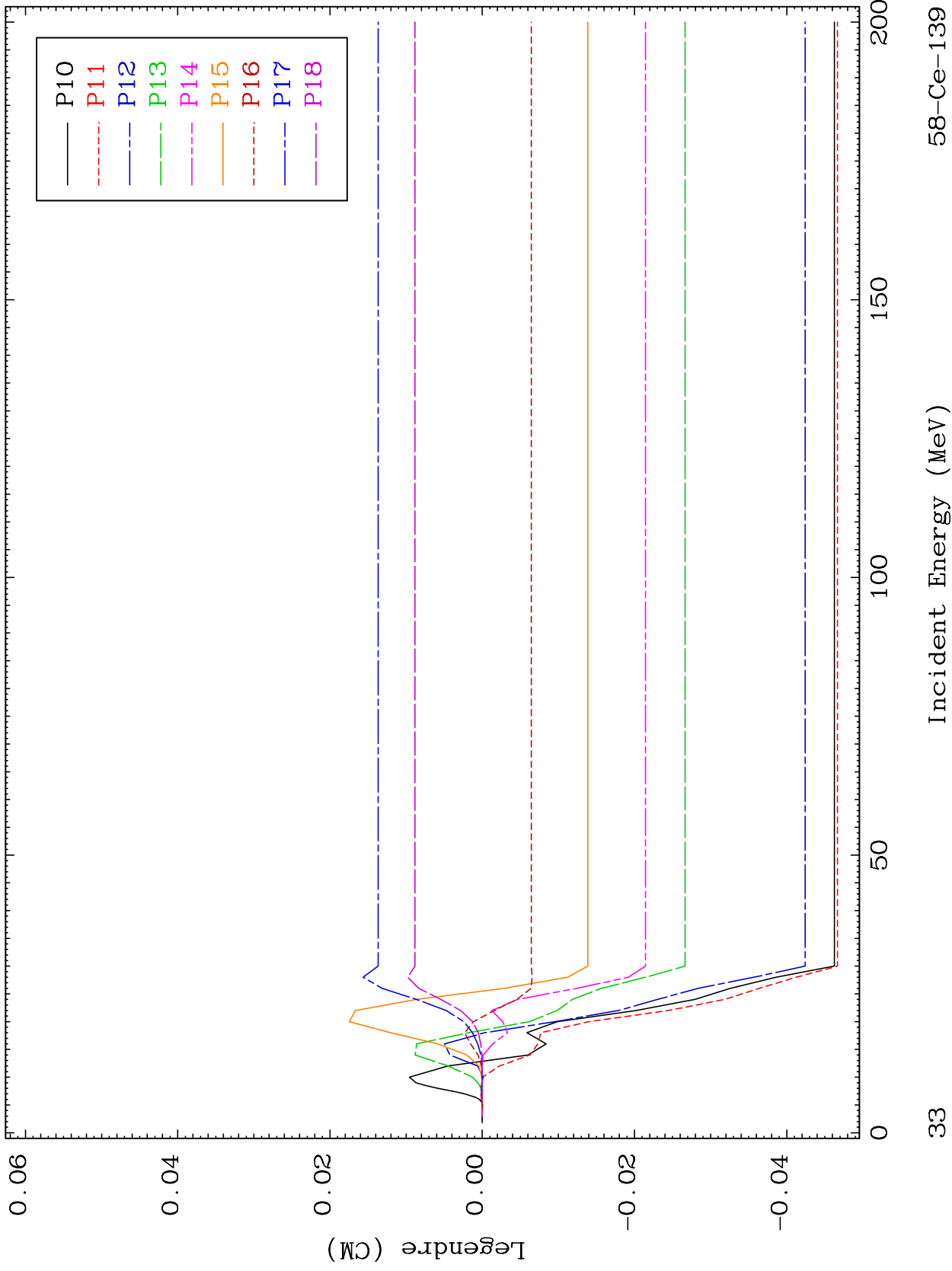
32

58-Ce-139

MAT 5834

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

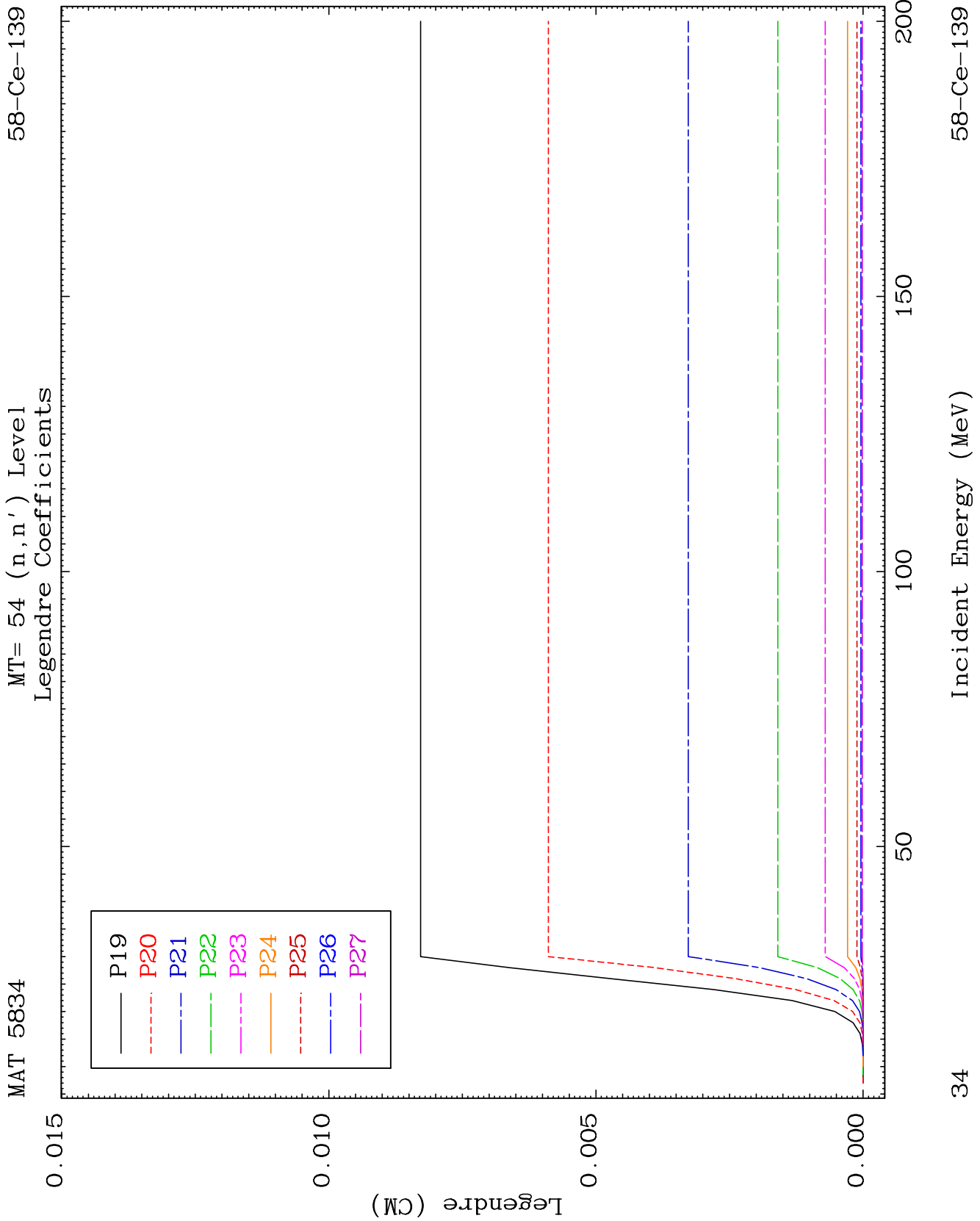
58-Ce-139



58-Ce-139

Incident Energy (MeV)

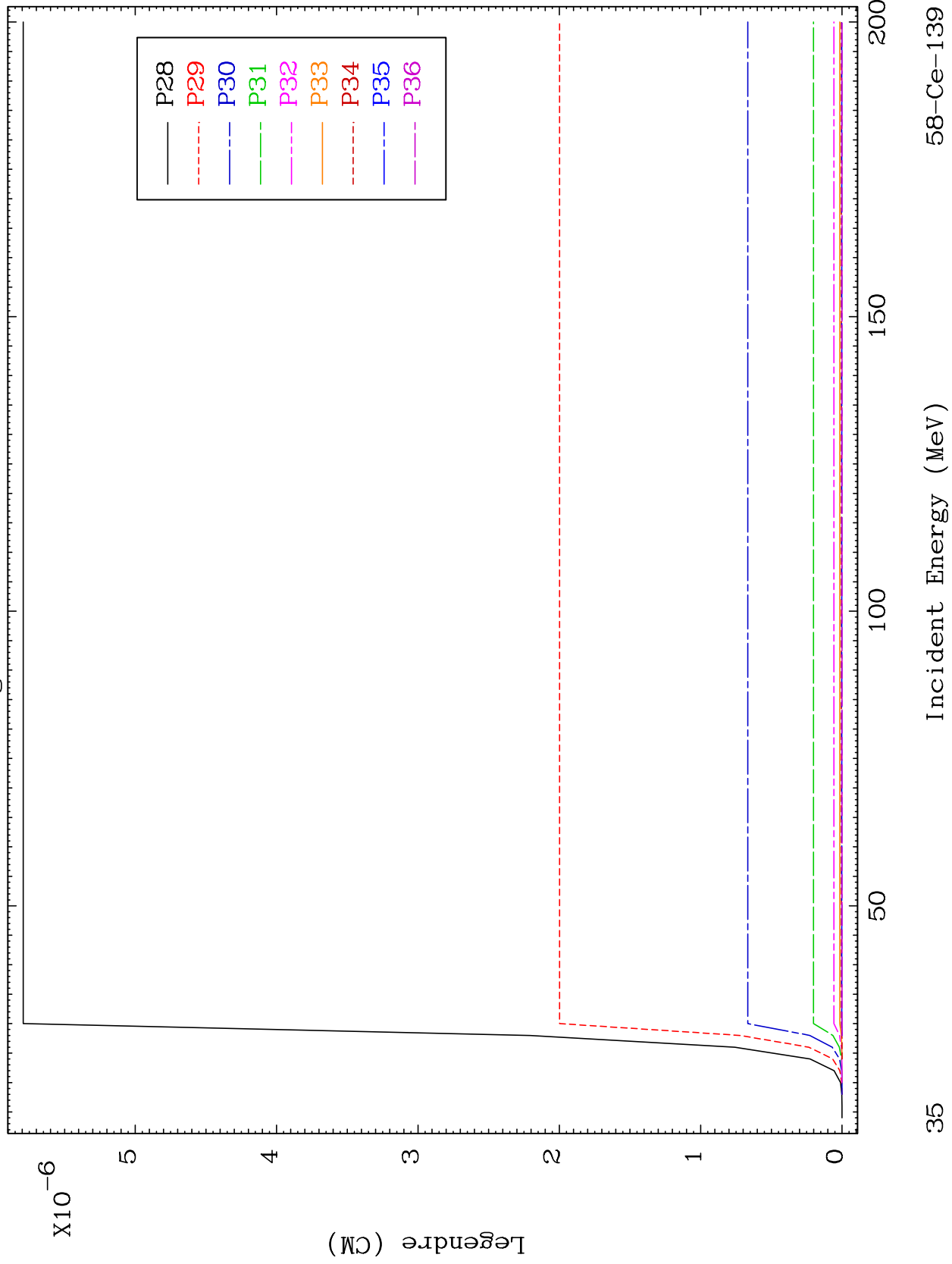
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MAT 5834

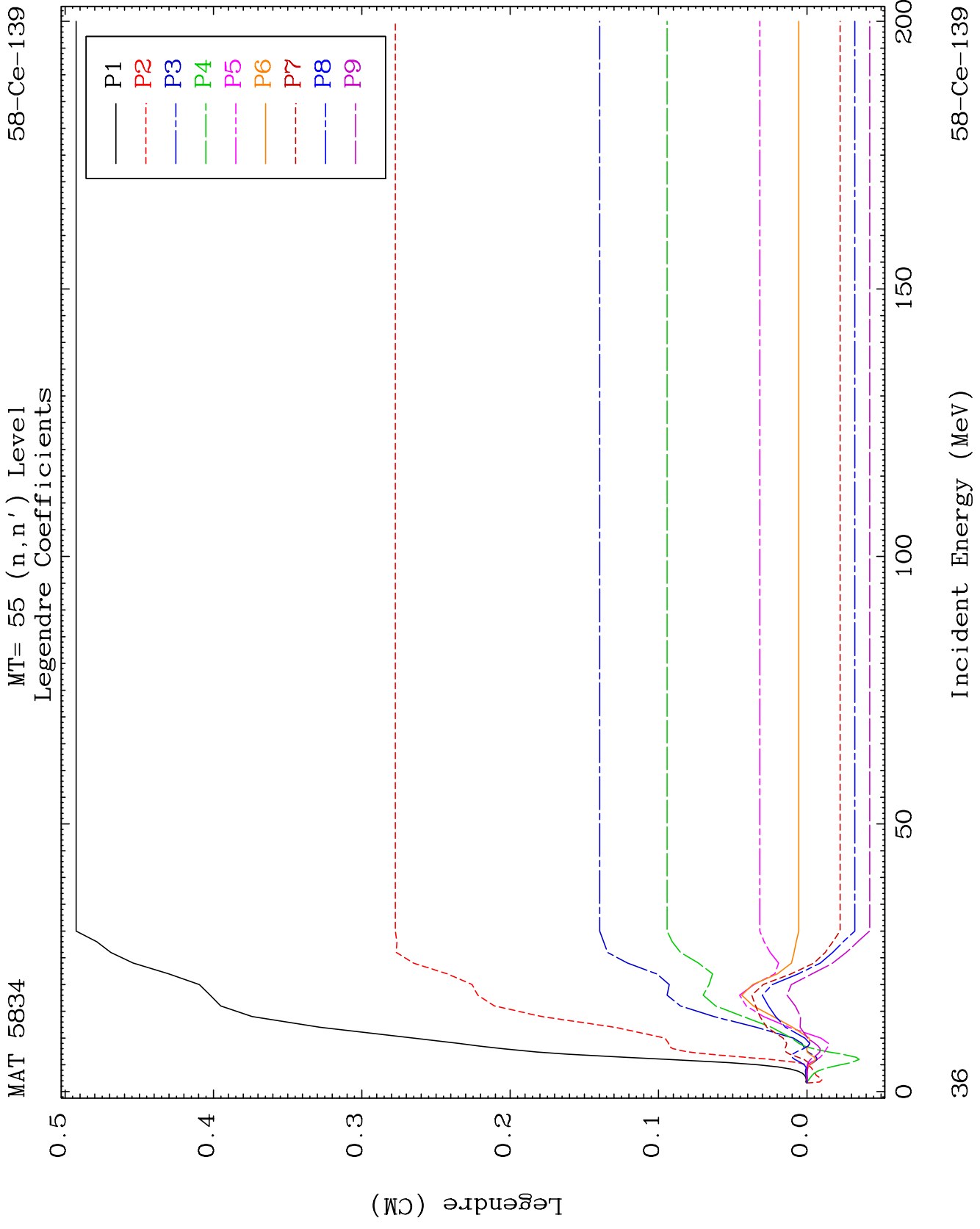
MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-139



58-Ce-139

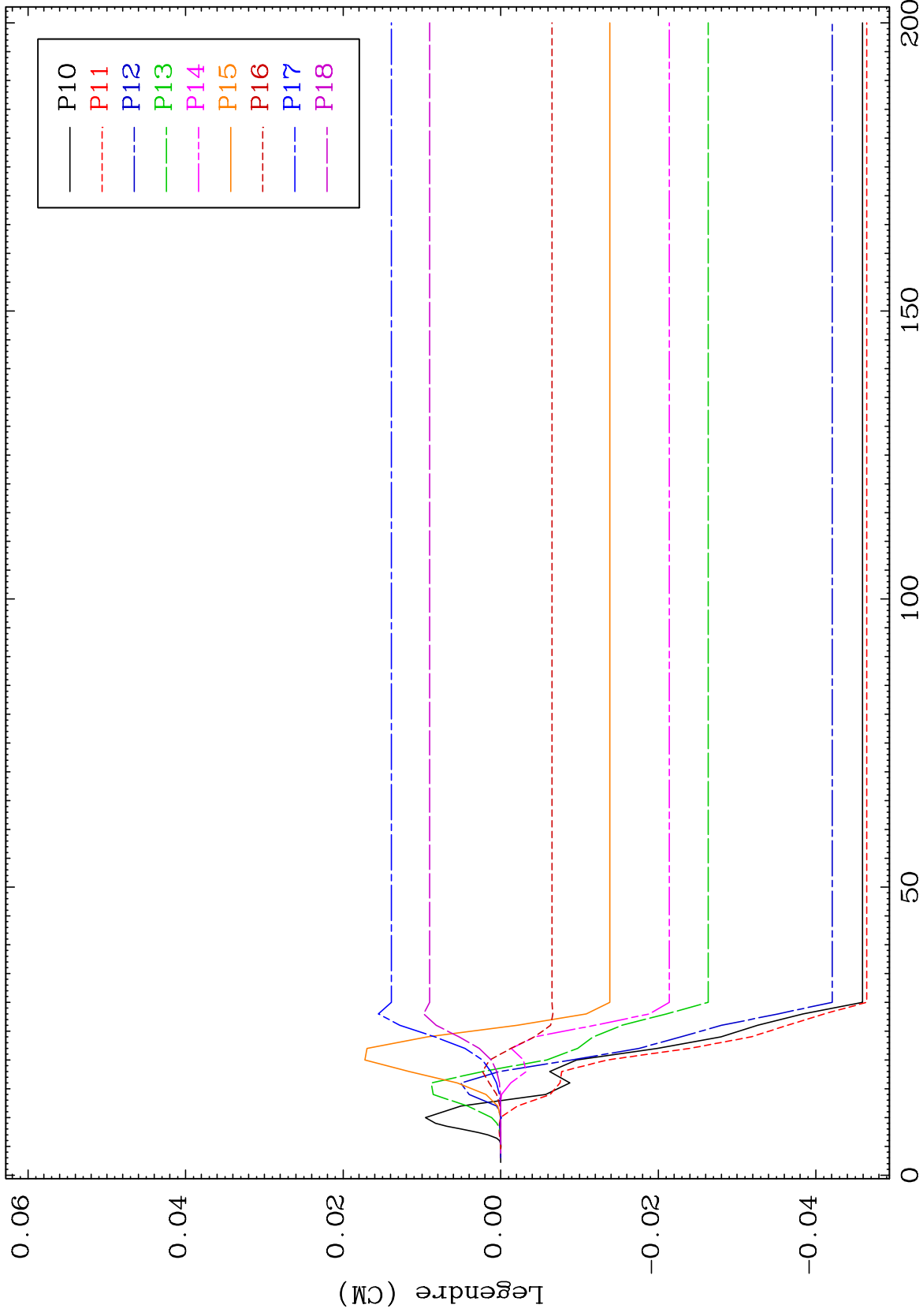
35



MAT 5834

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

58-Ce-139



37

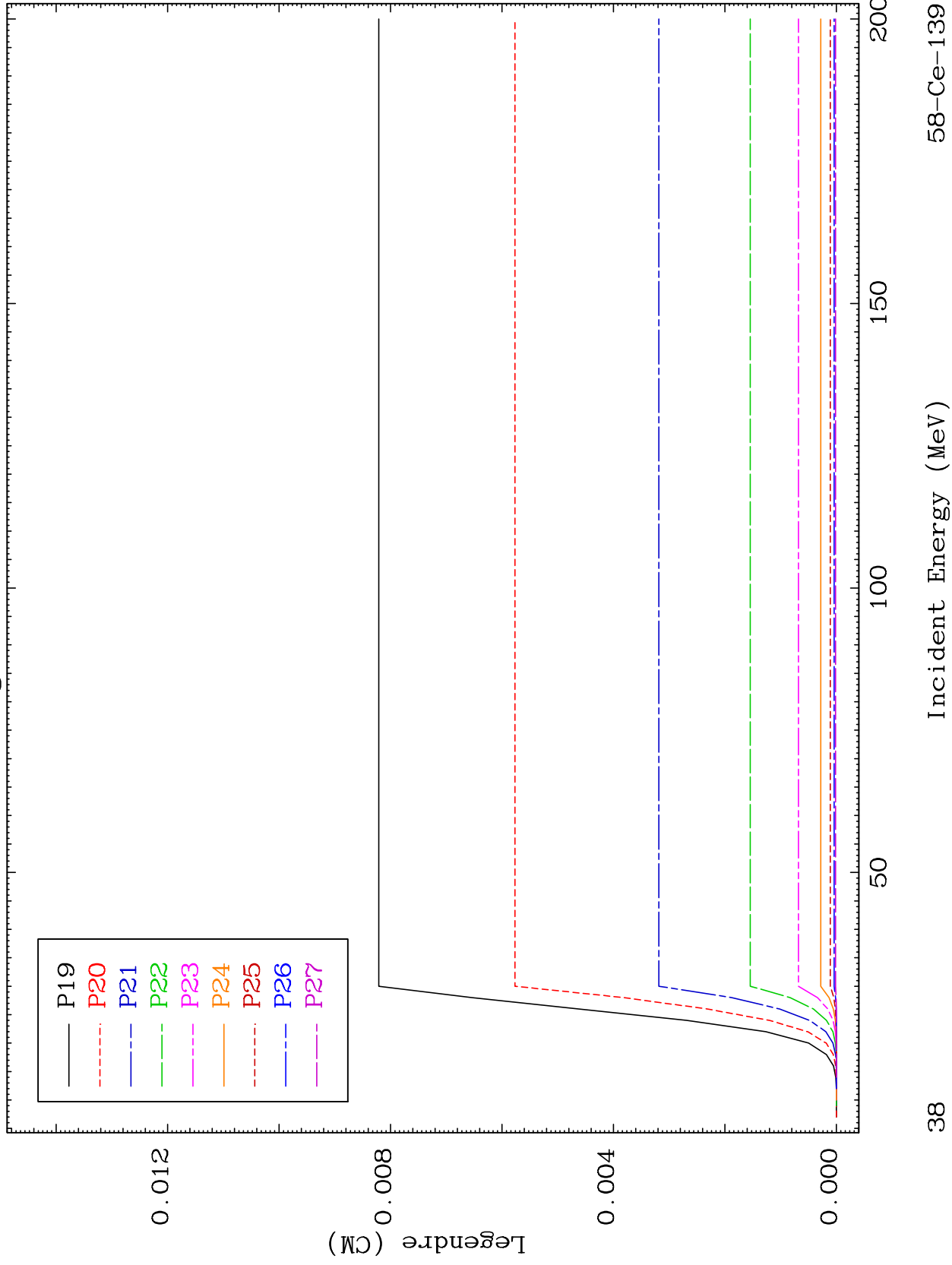
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



38

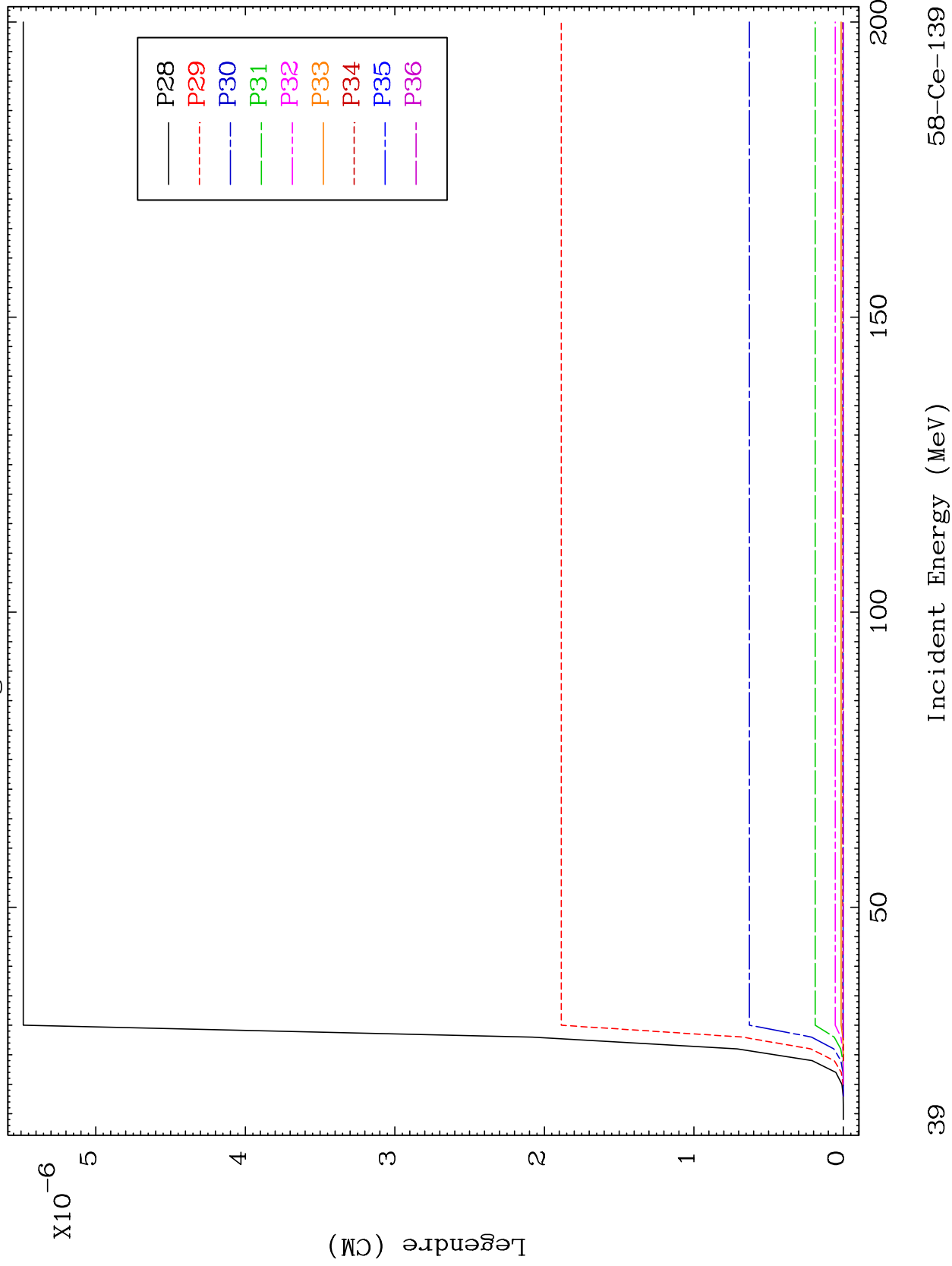
Incident Energy (MeV)

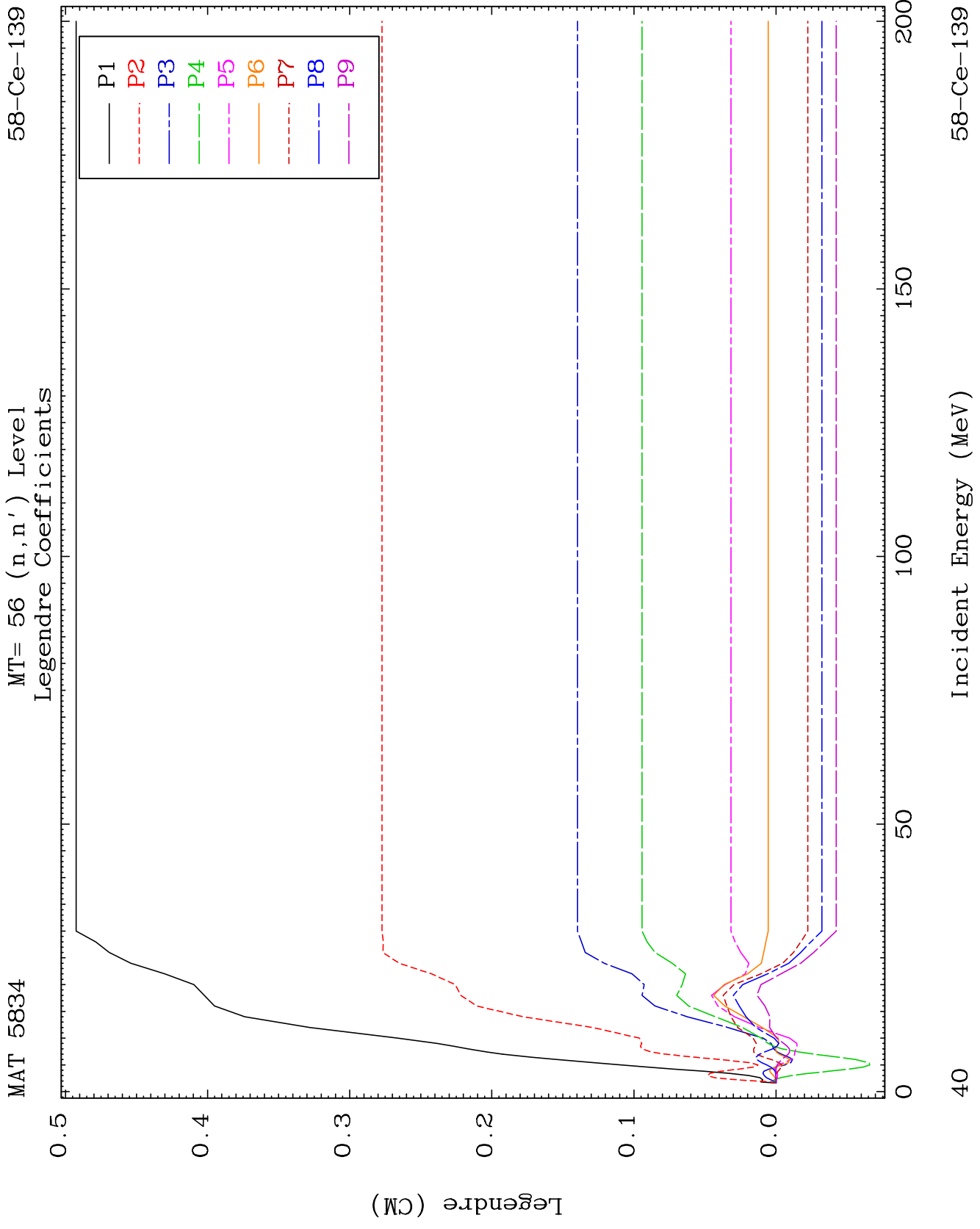
58-Ce-139

MAT 5834

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

58-Ce-139

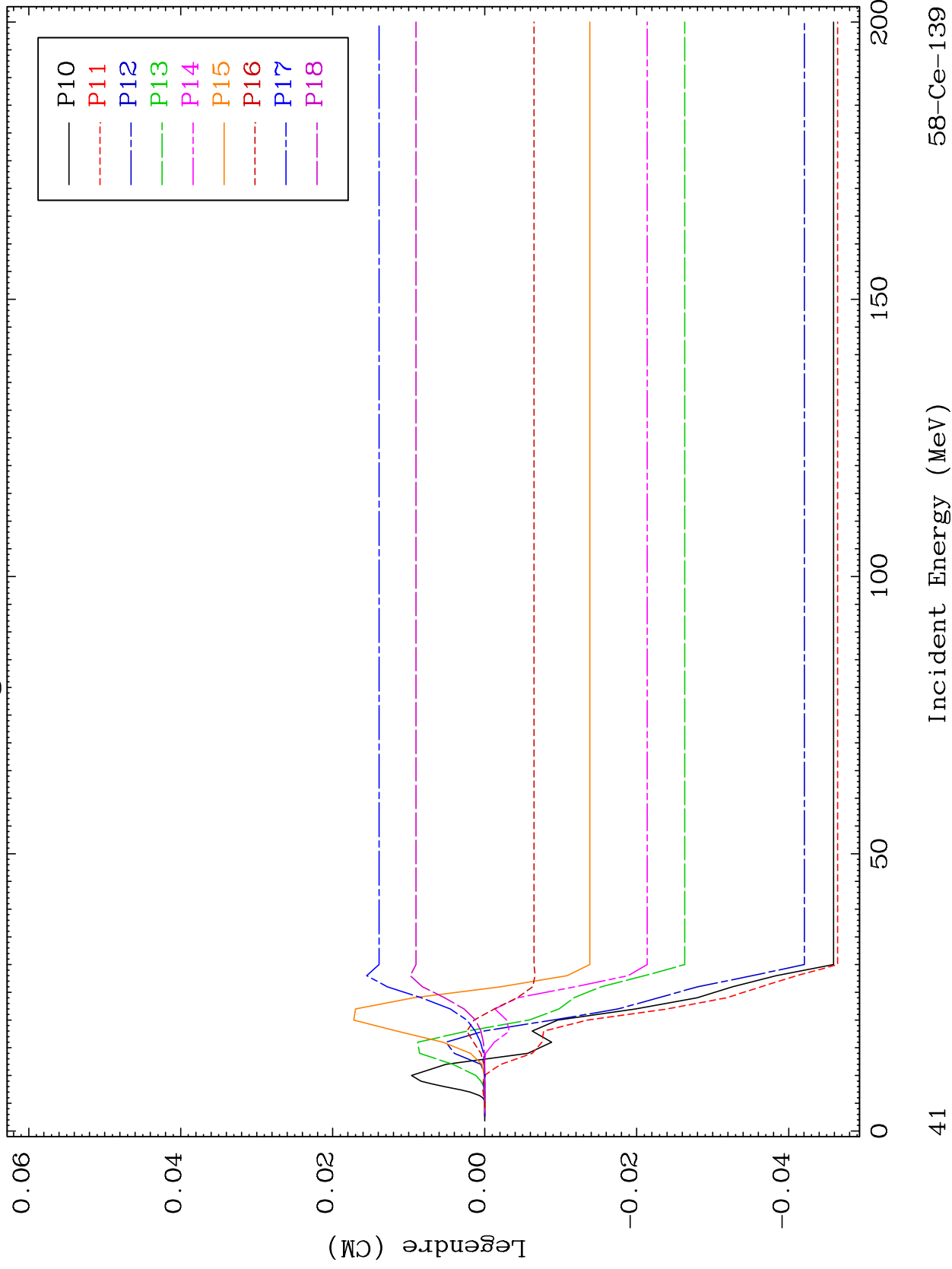




MAT 5834

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

58-Ce-139



41

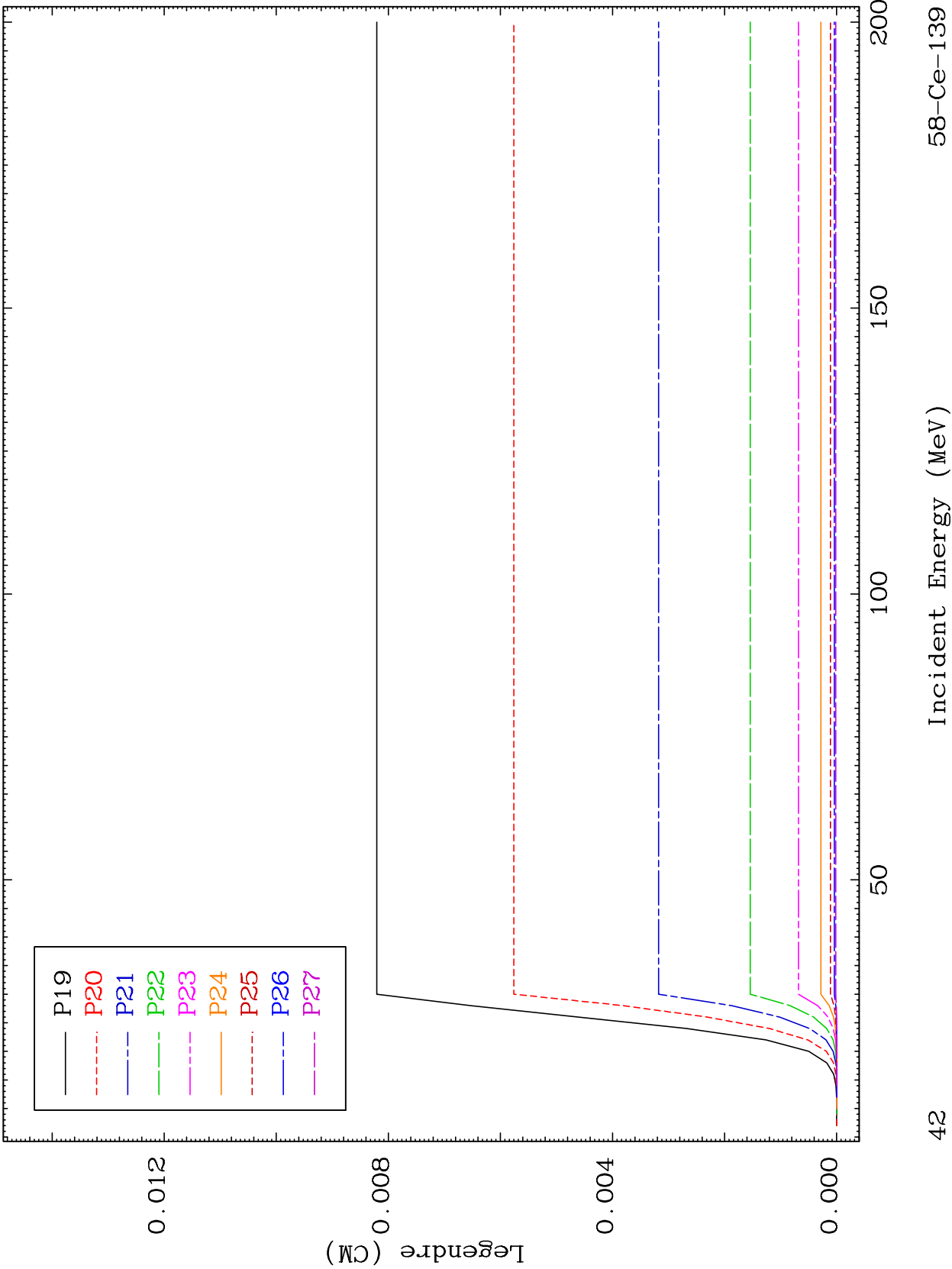
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



42

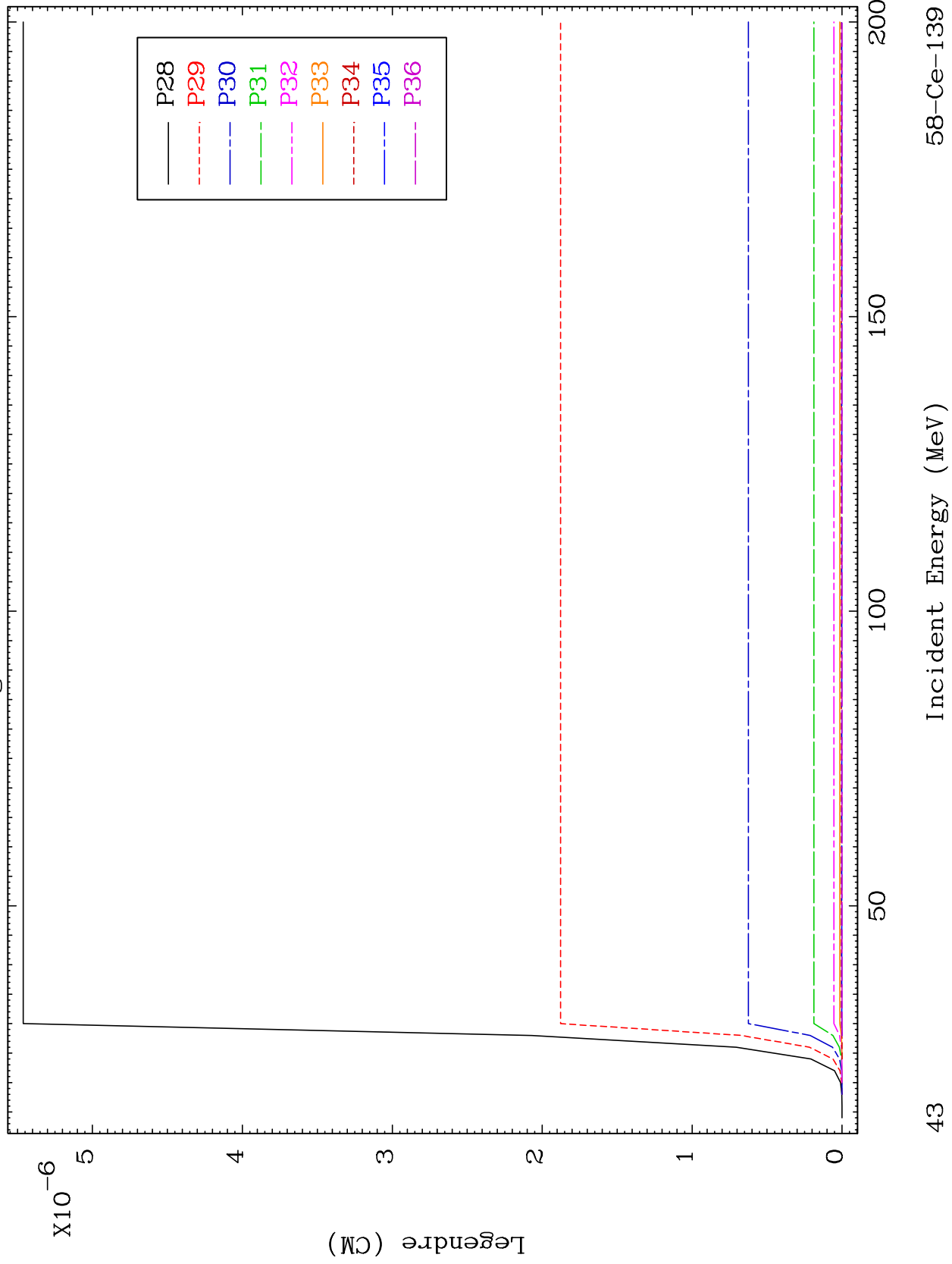
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

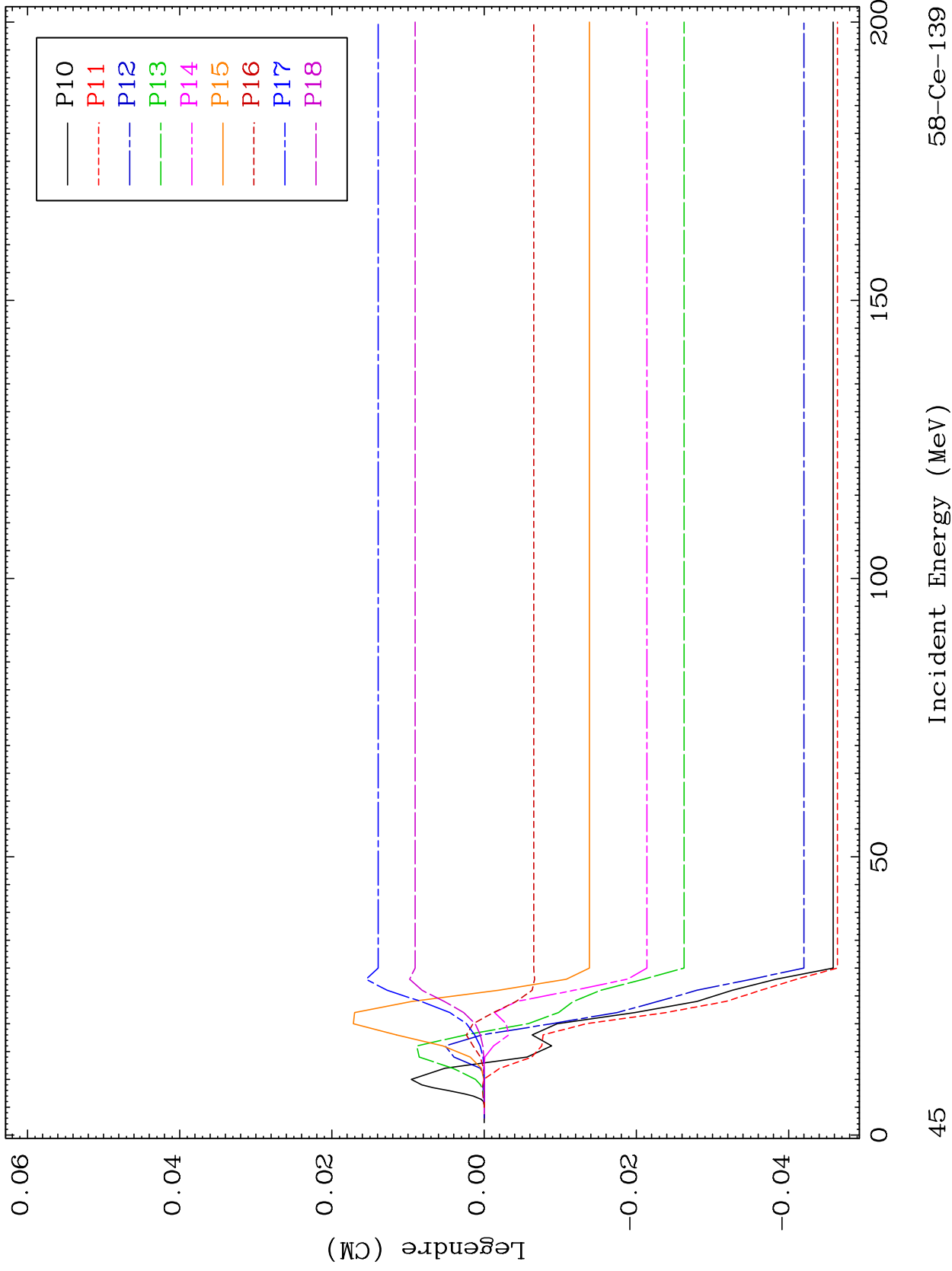
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MAT 5834

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

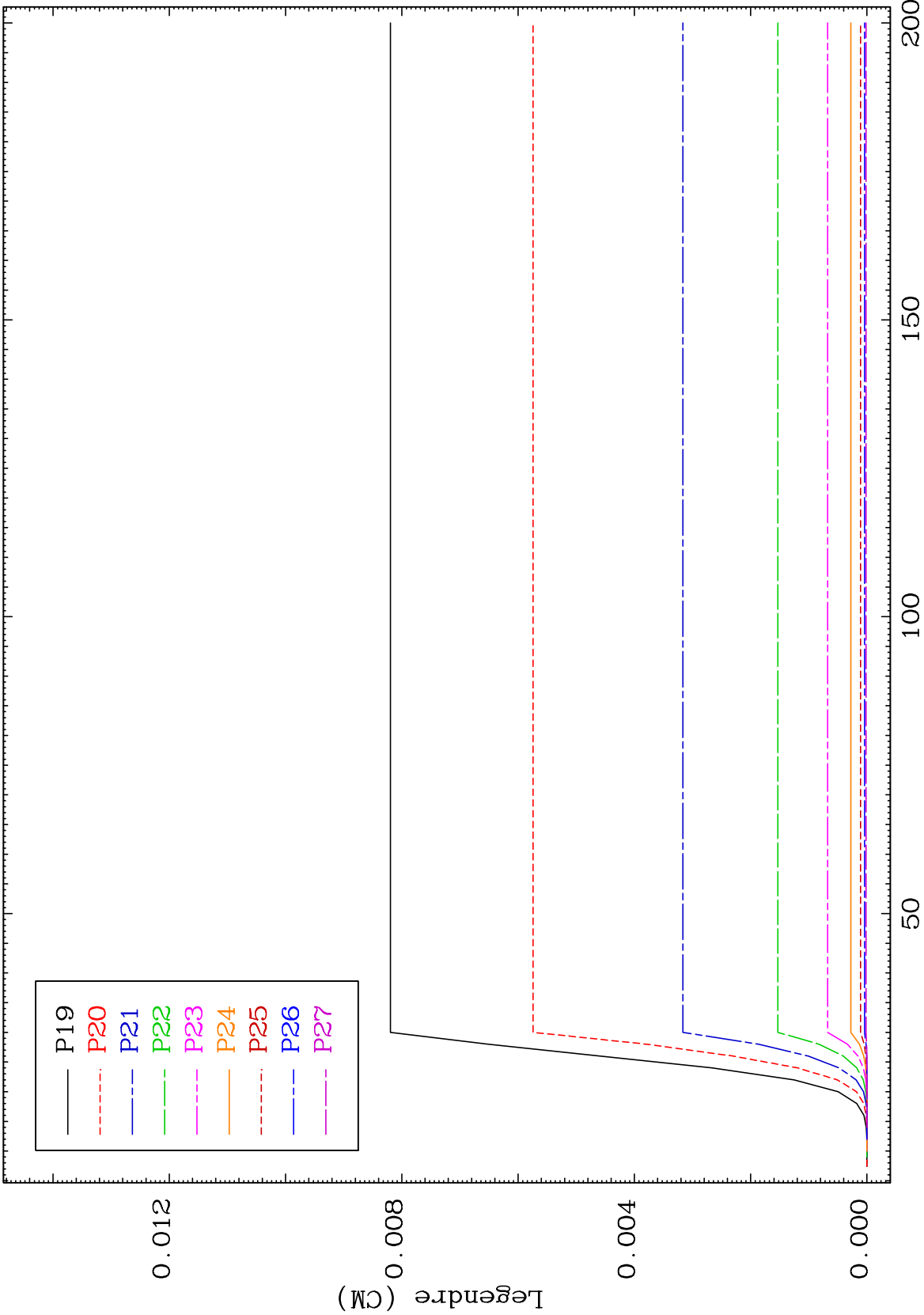
58-Ce-139



MAT 5834

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

58-Ce-139



46

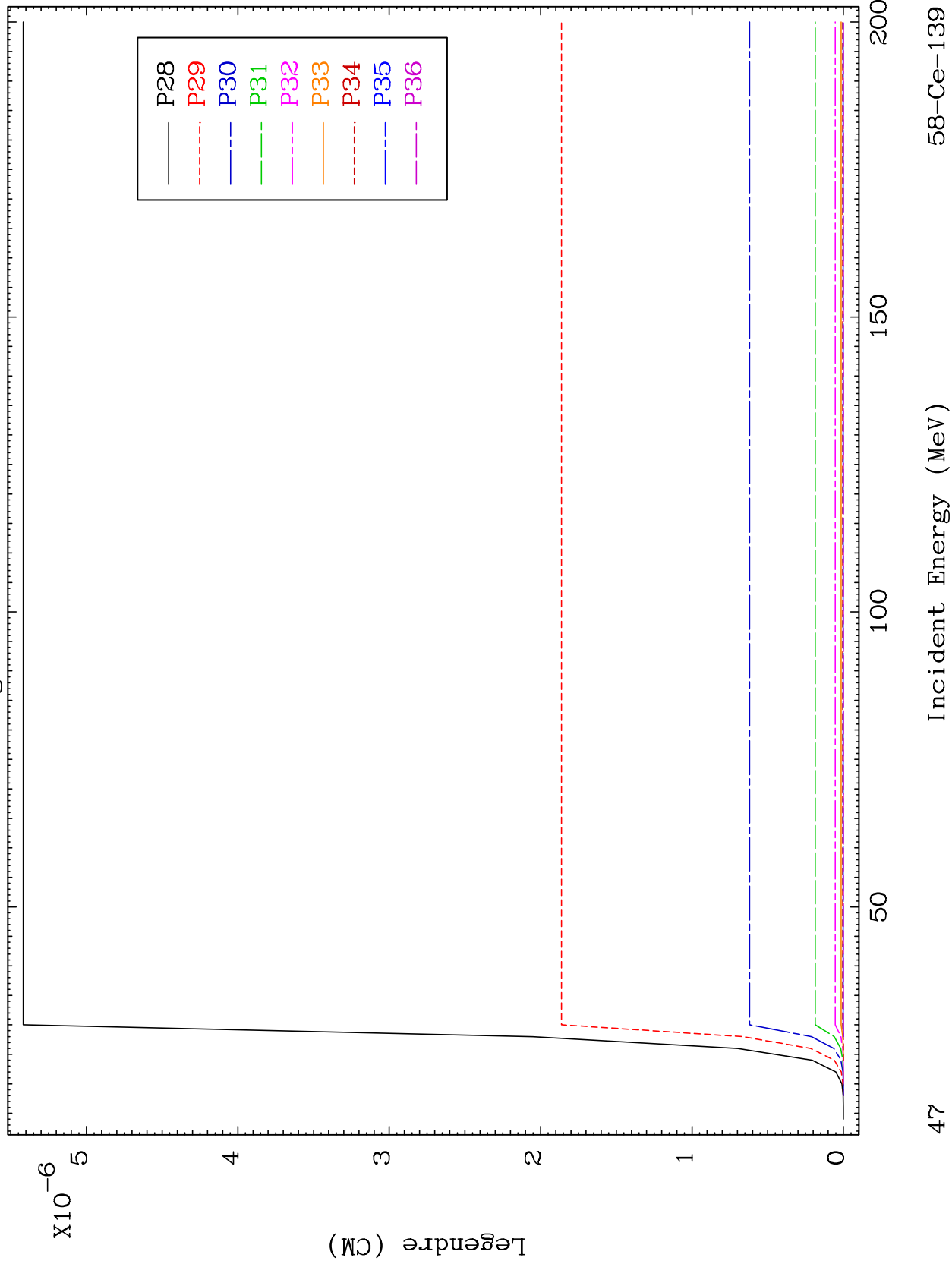
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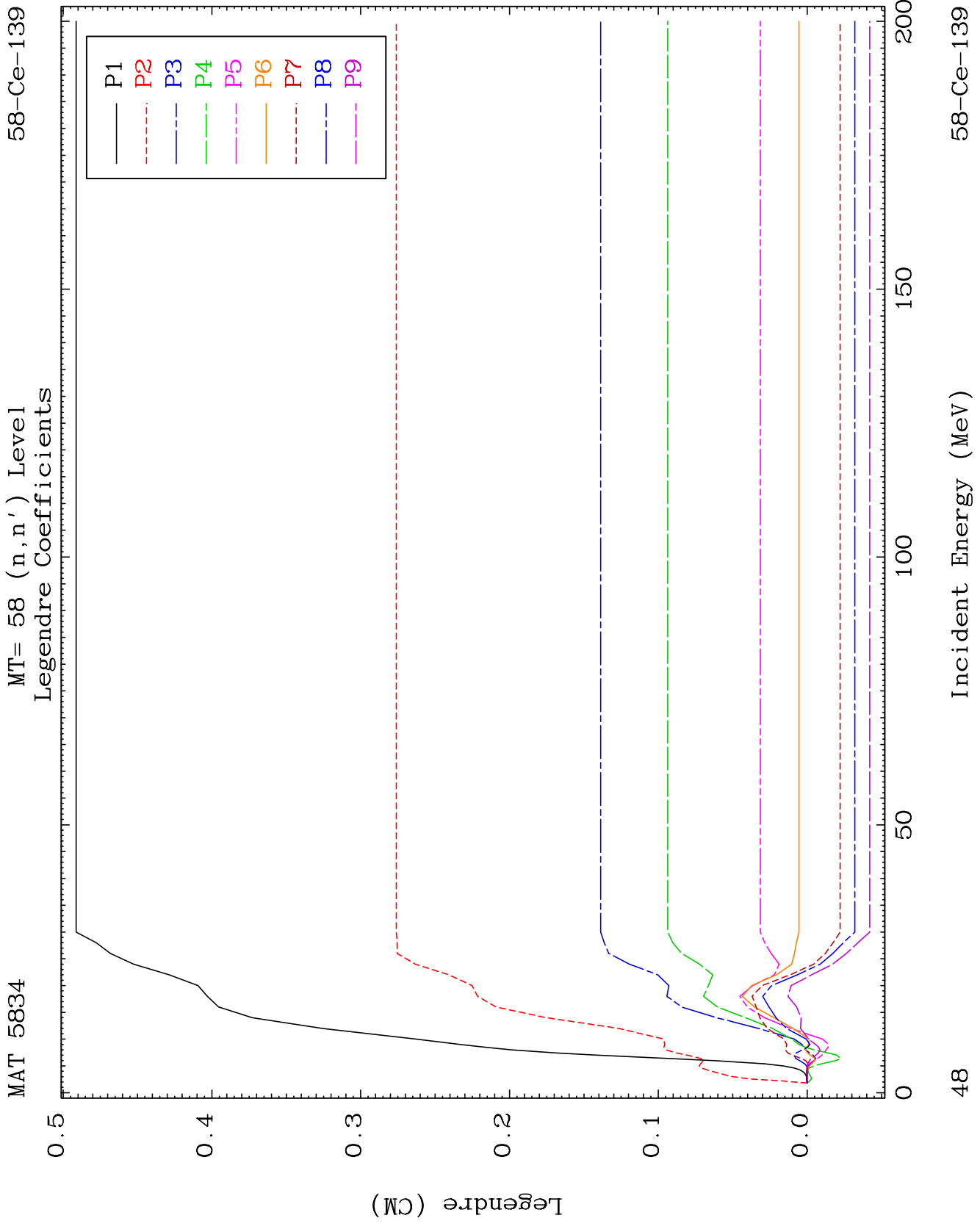
58-Ce-139

MAT 5834

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

58-Ce-139

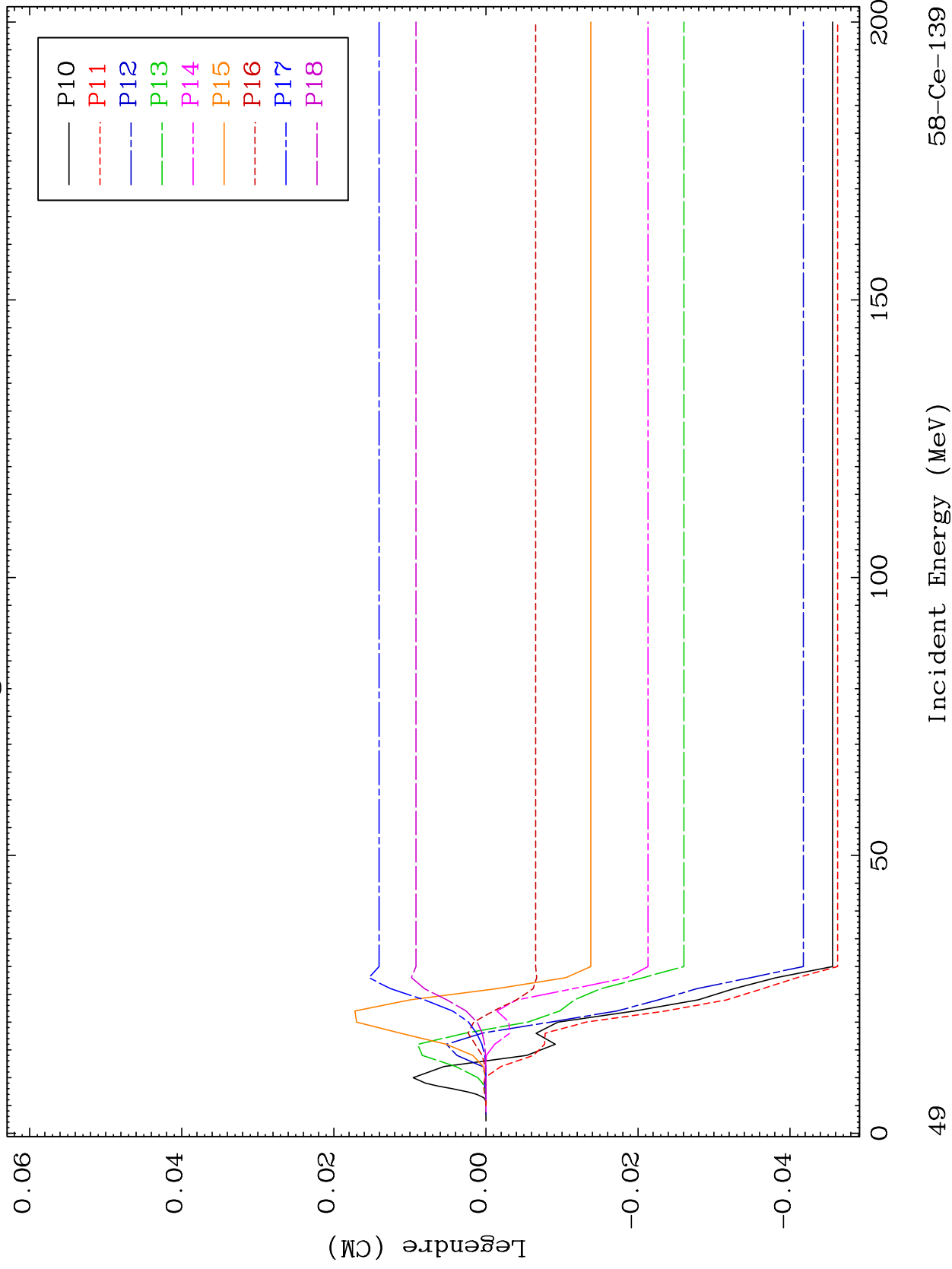




MAT 5834

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

58-Ce-139



49

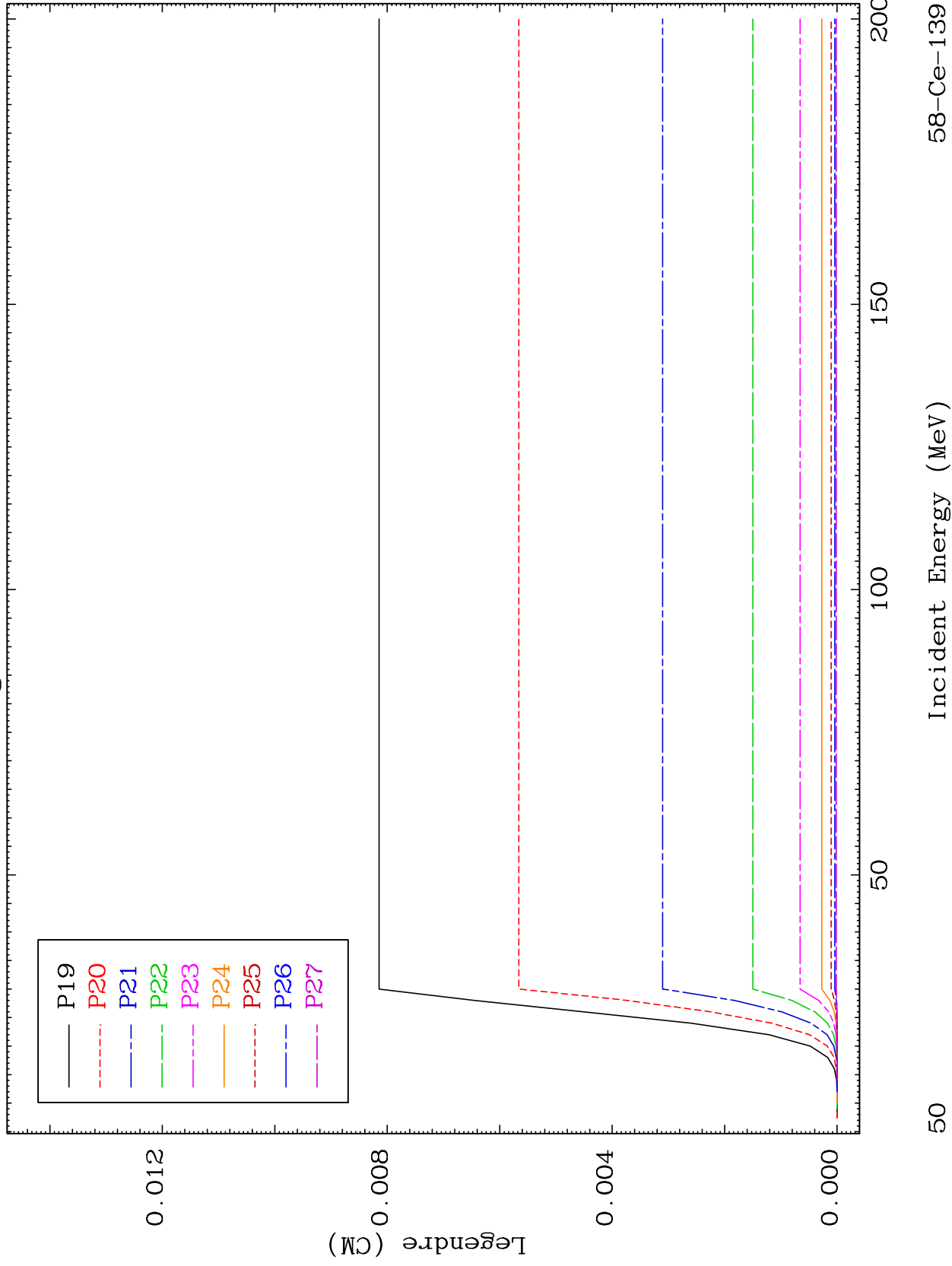
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

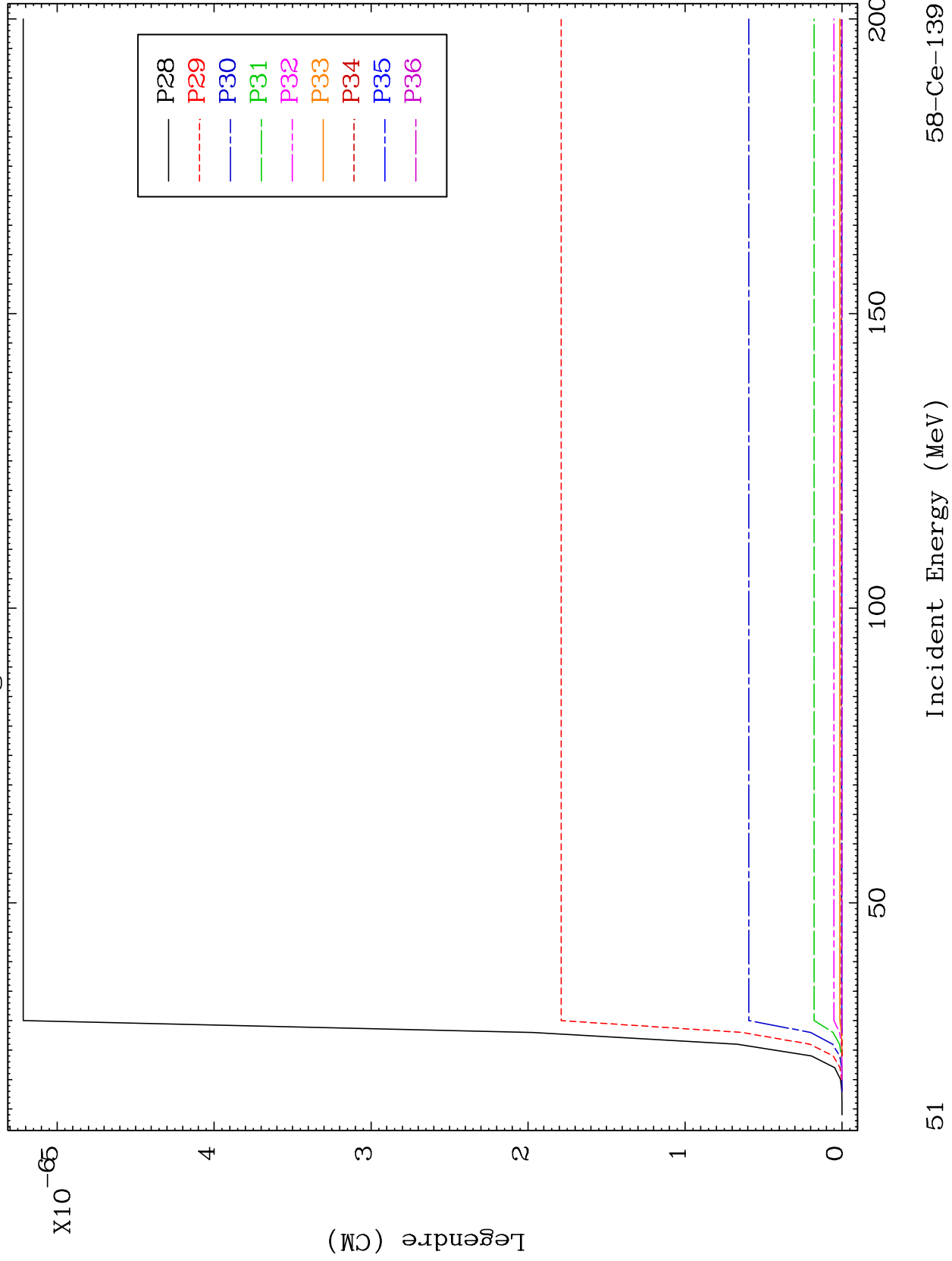
Incident Energy (MeV)

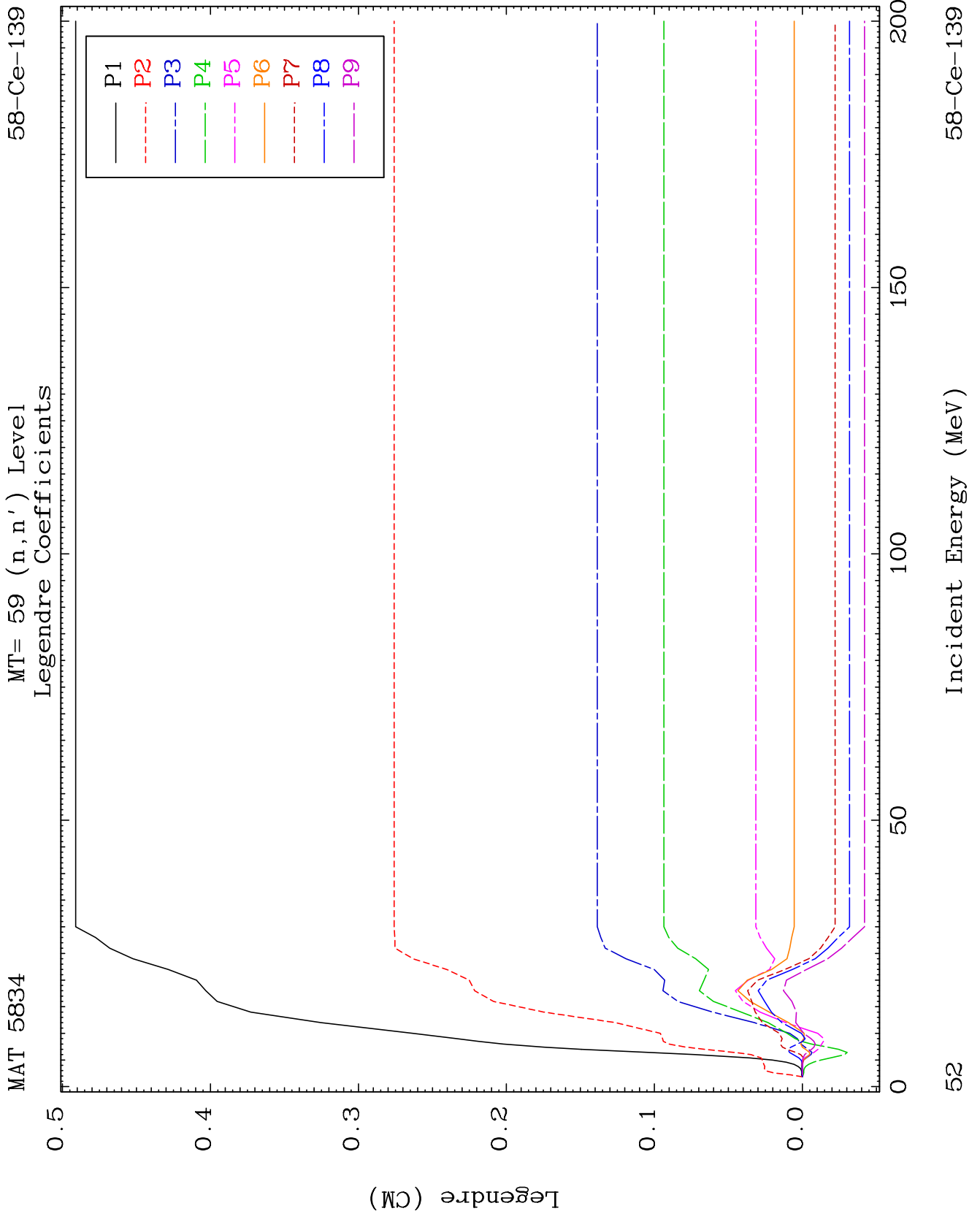
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MAT 5834

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

58-Ce-139

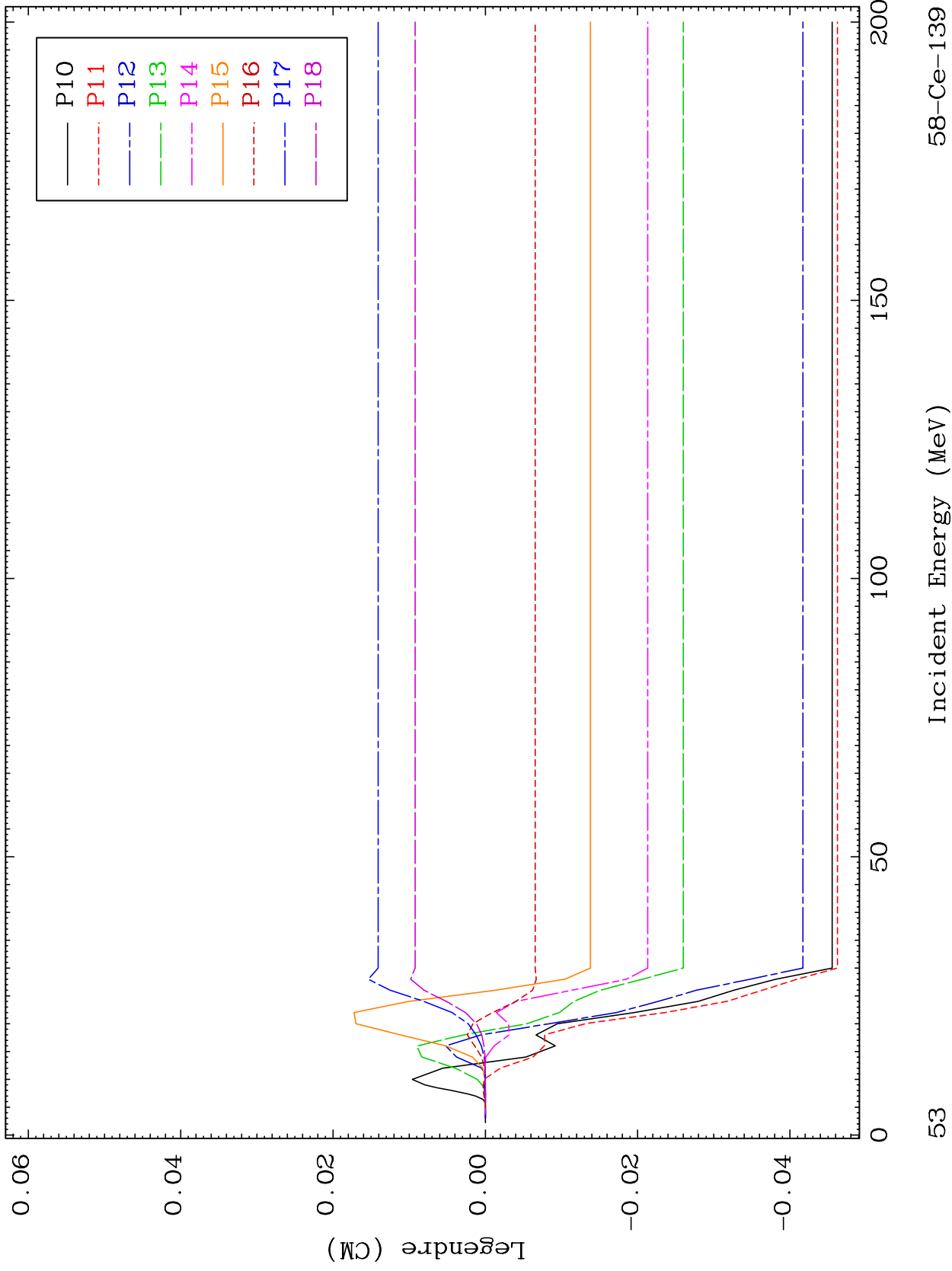




MAT 5834

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

58-Ce-139



53

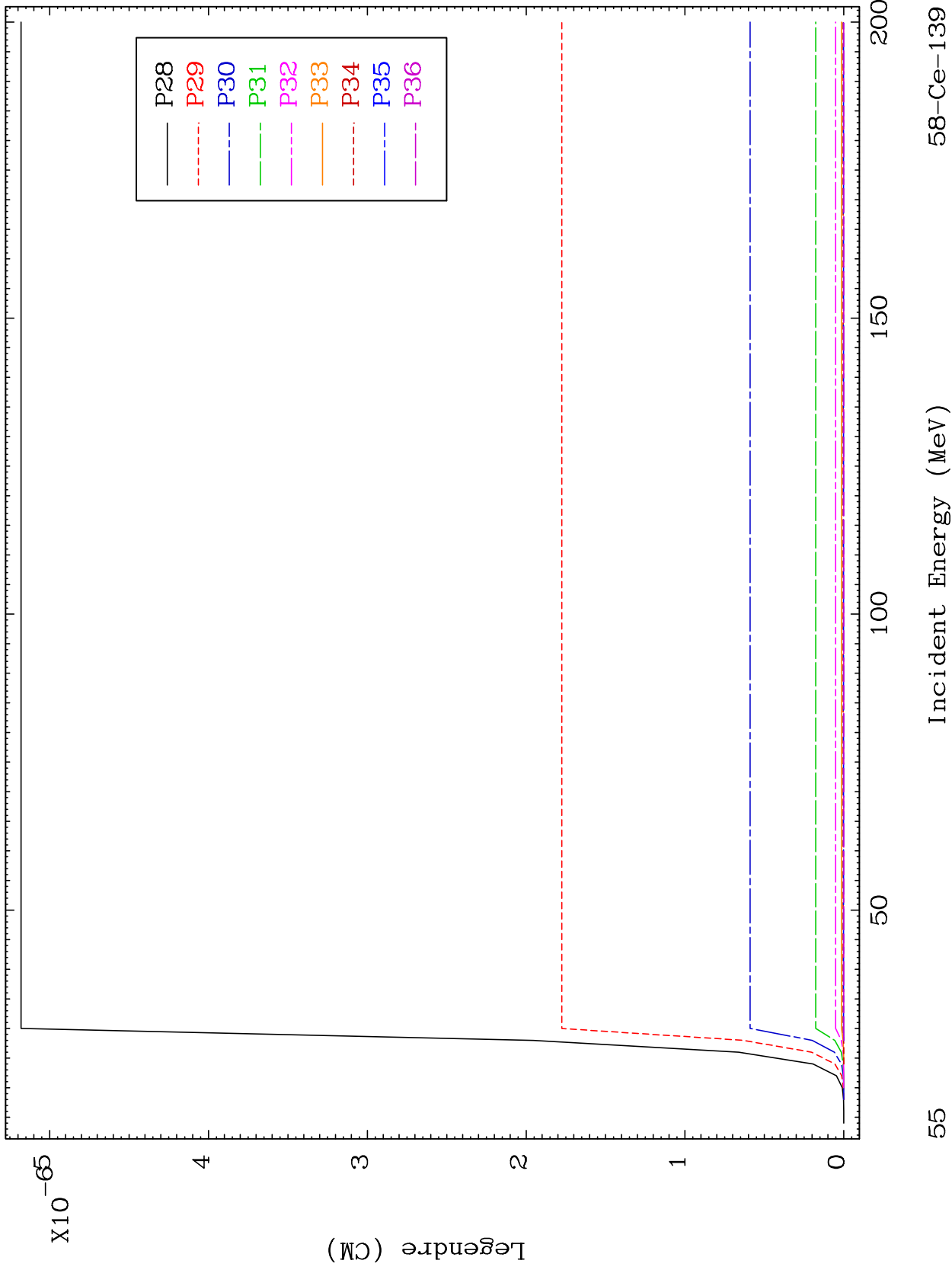
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



55

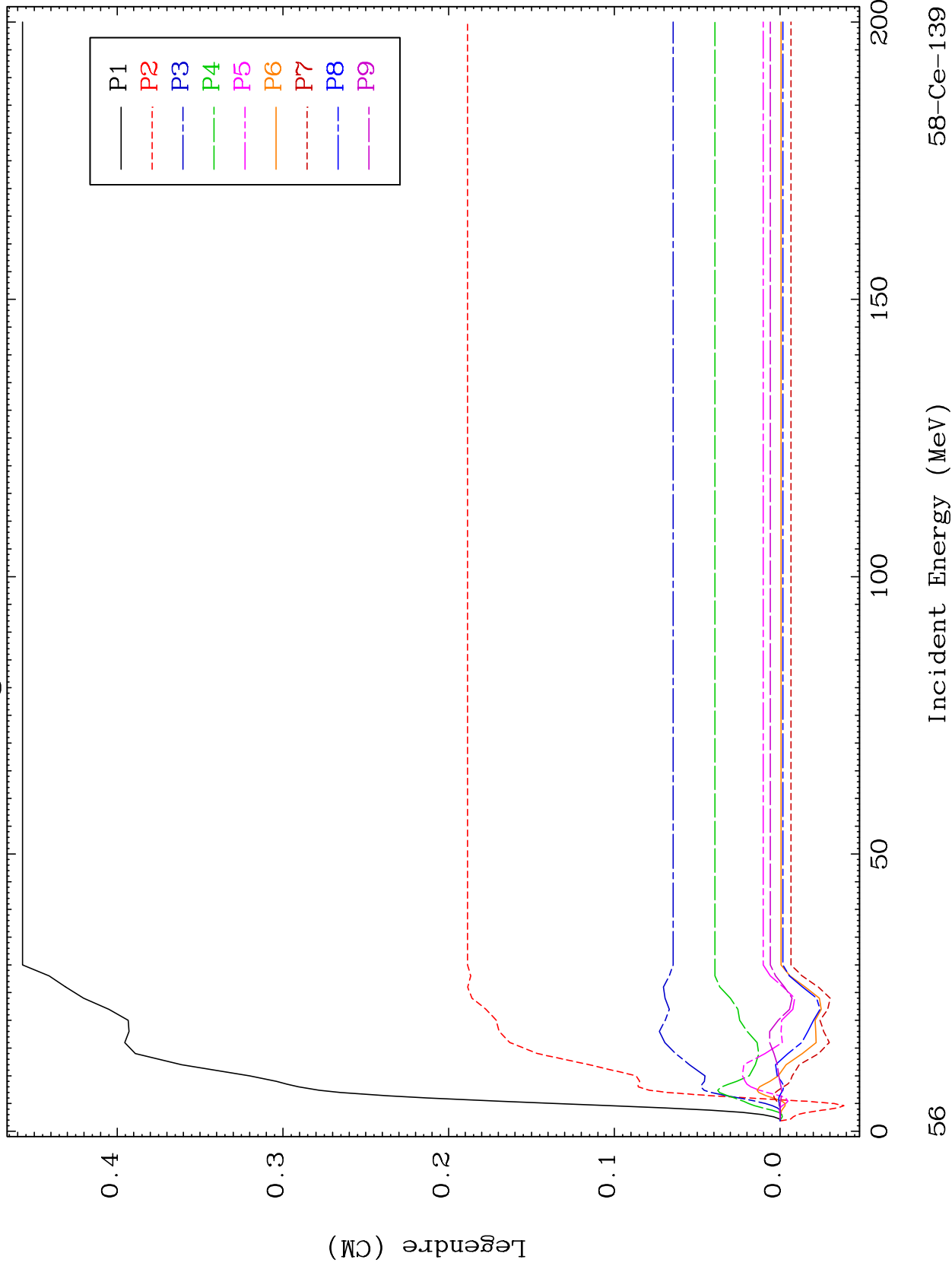
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

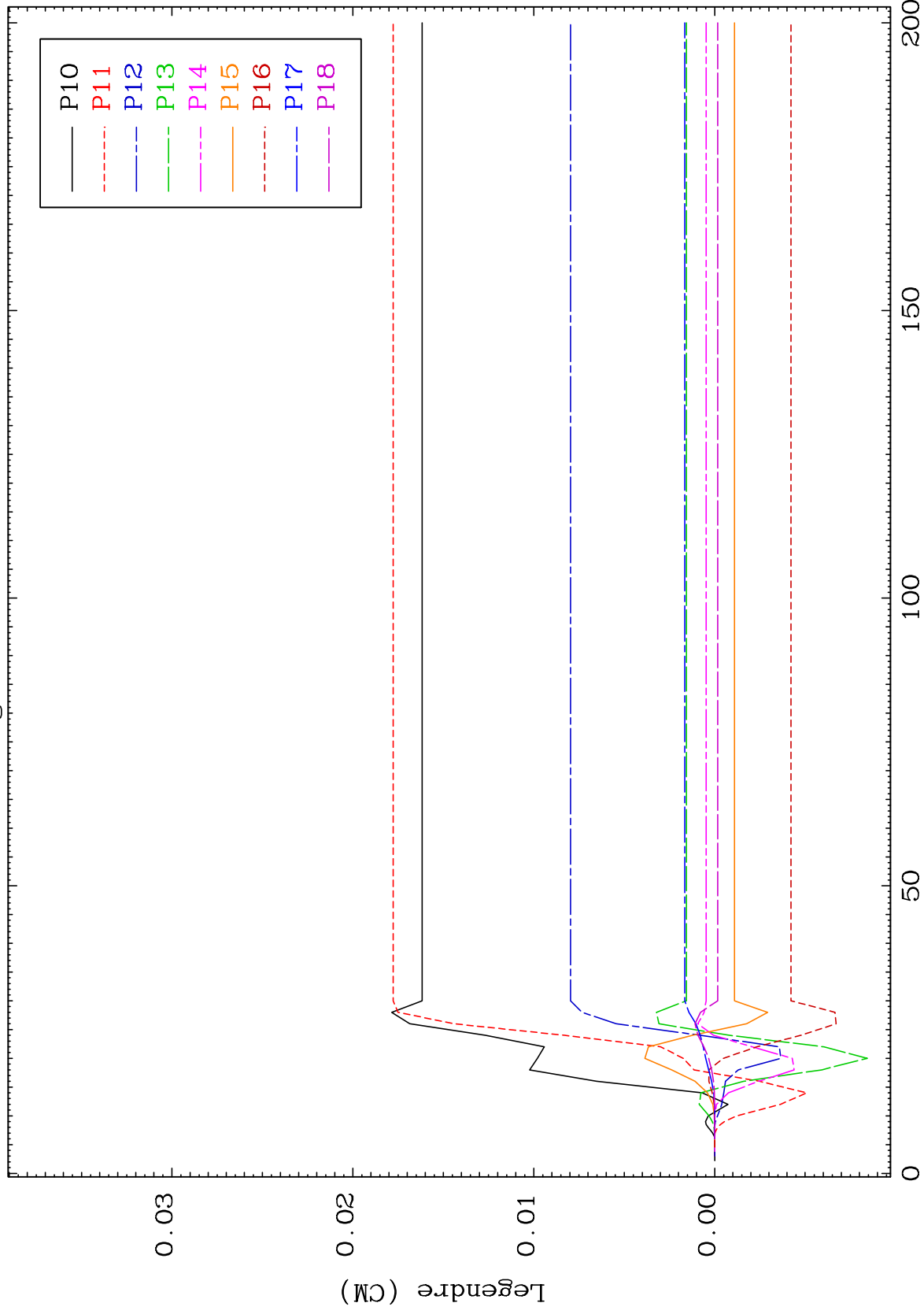
Incident Energy (MeV)

56

MAT 5834

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

58-Ce-139



57

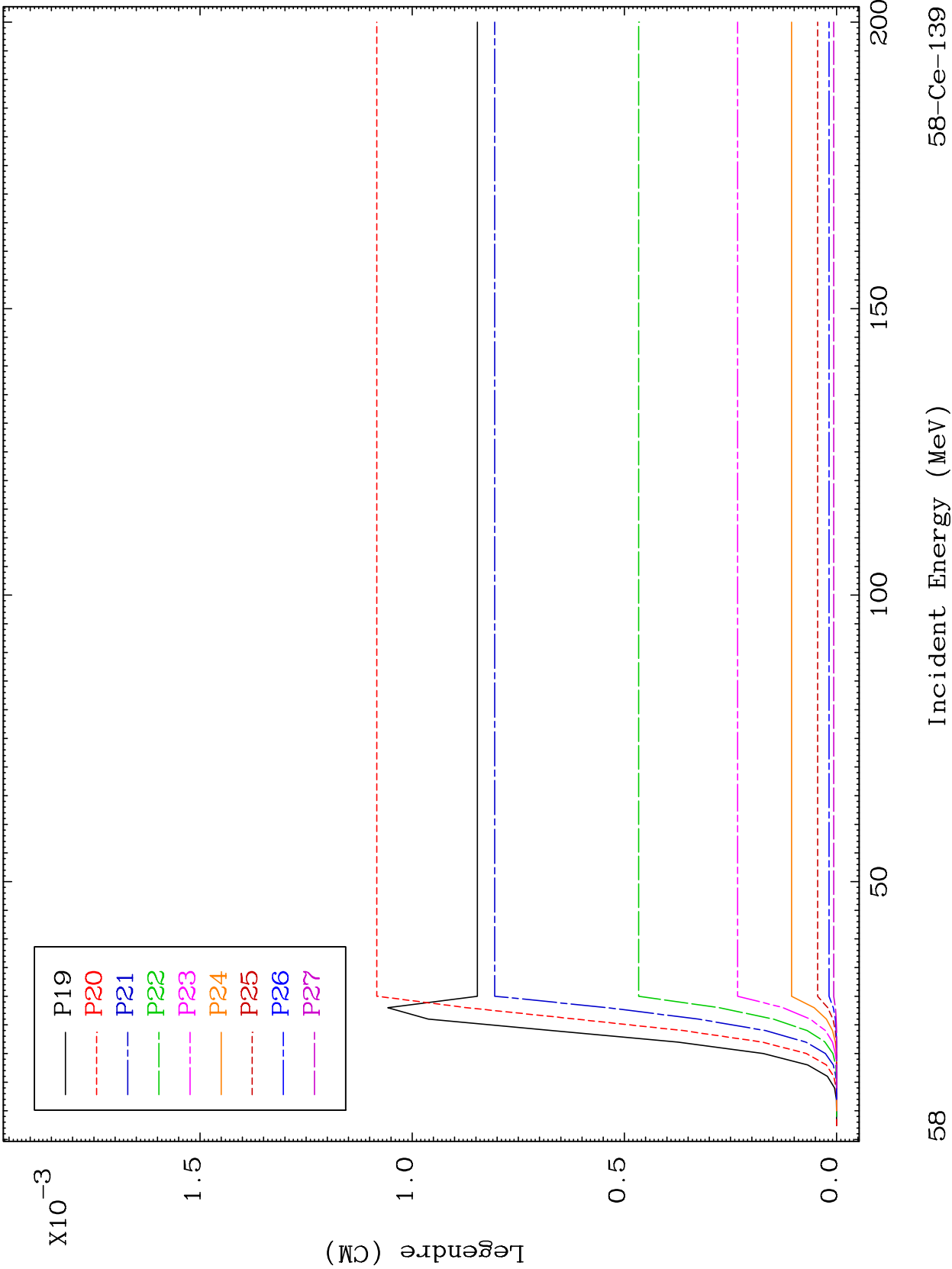
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58

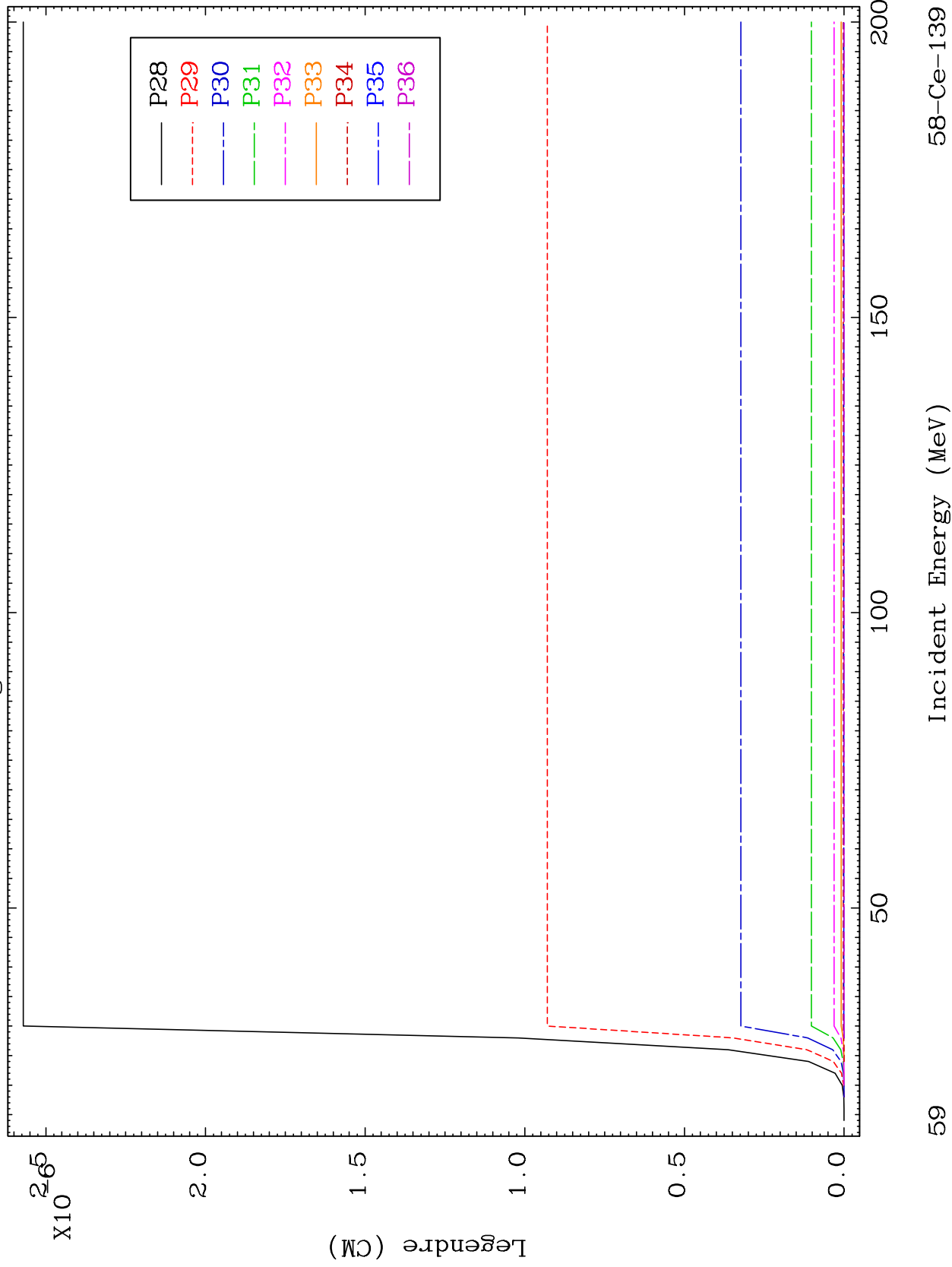
Incident Energy (MeV)

58-Ce-139

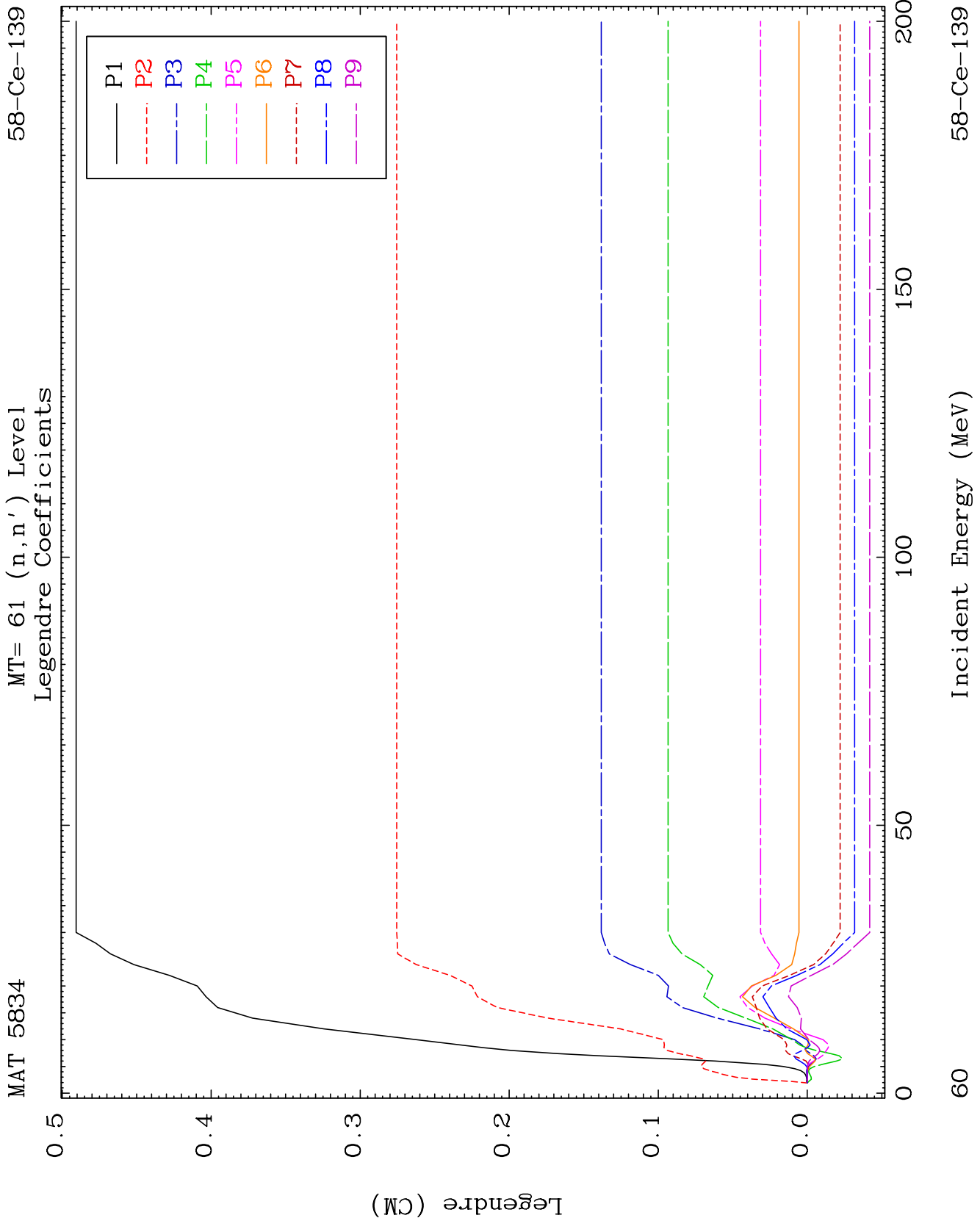
MAT 5834

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

58-Ce-139



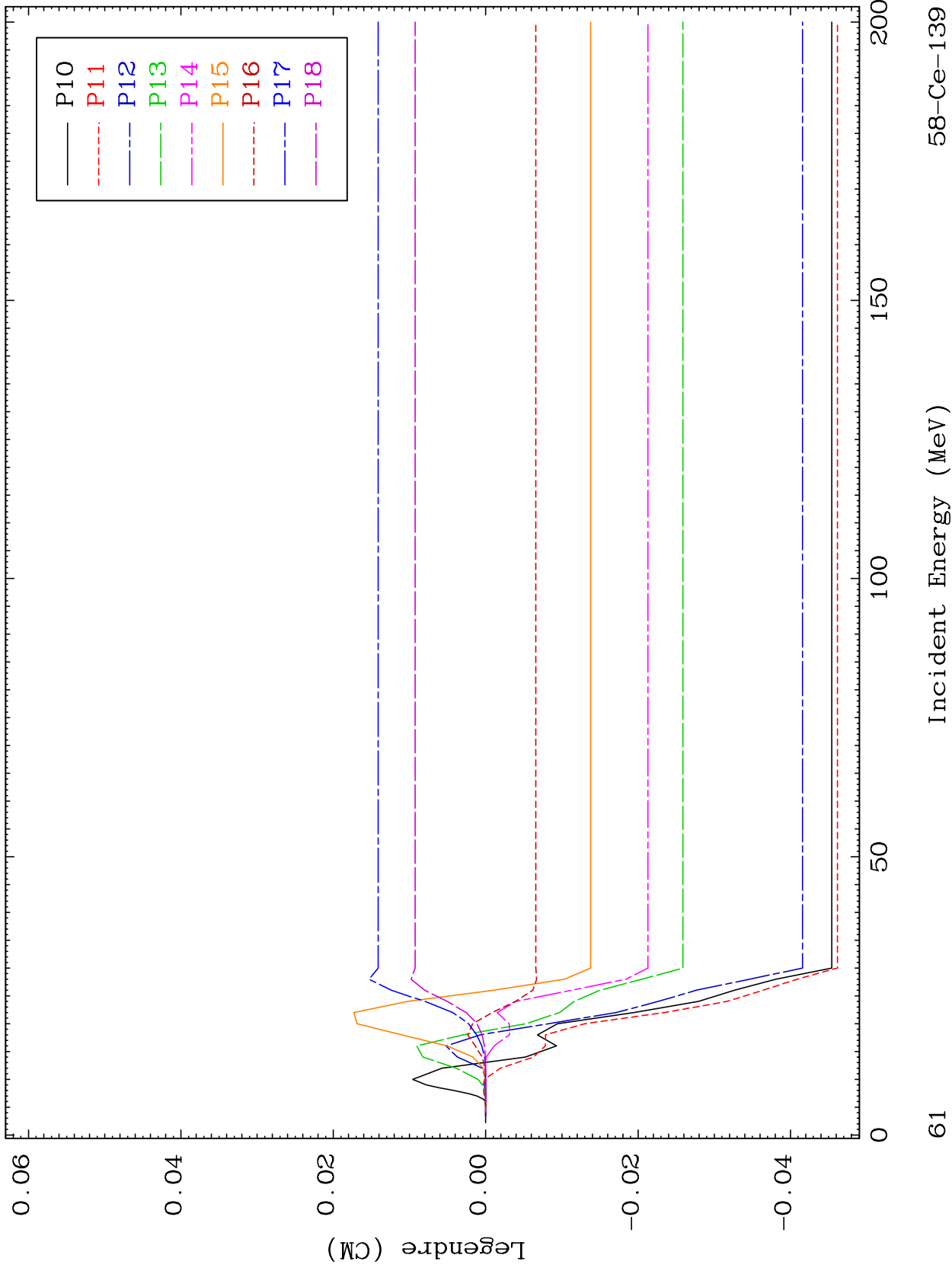
59



MAT 5834

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

58-Ce-139



58-Ce-139

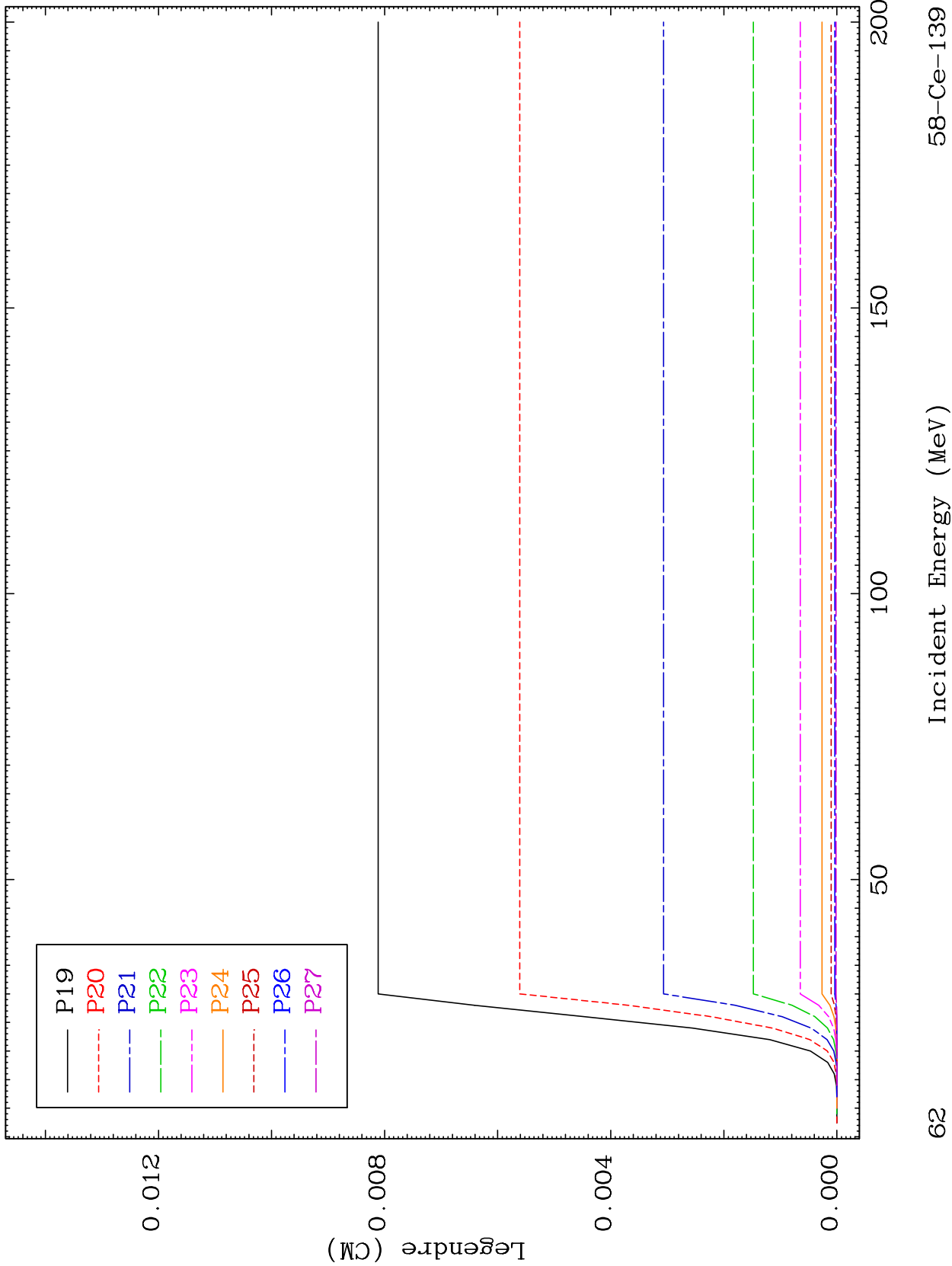
Incident Energy (MeV)

61

MAT 5834

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

58-Ce-139



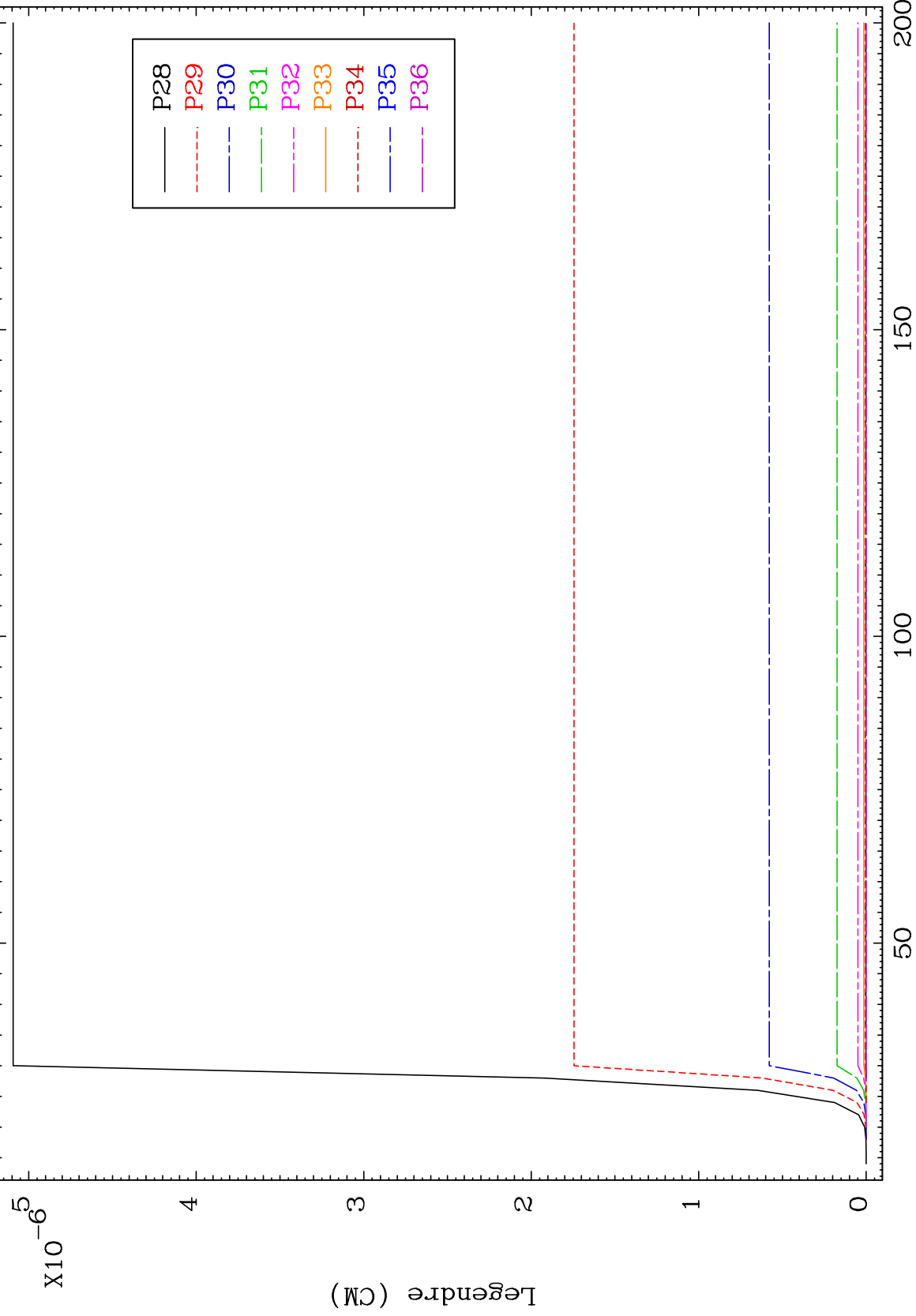
62

58-Ce-139

MAT 5834

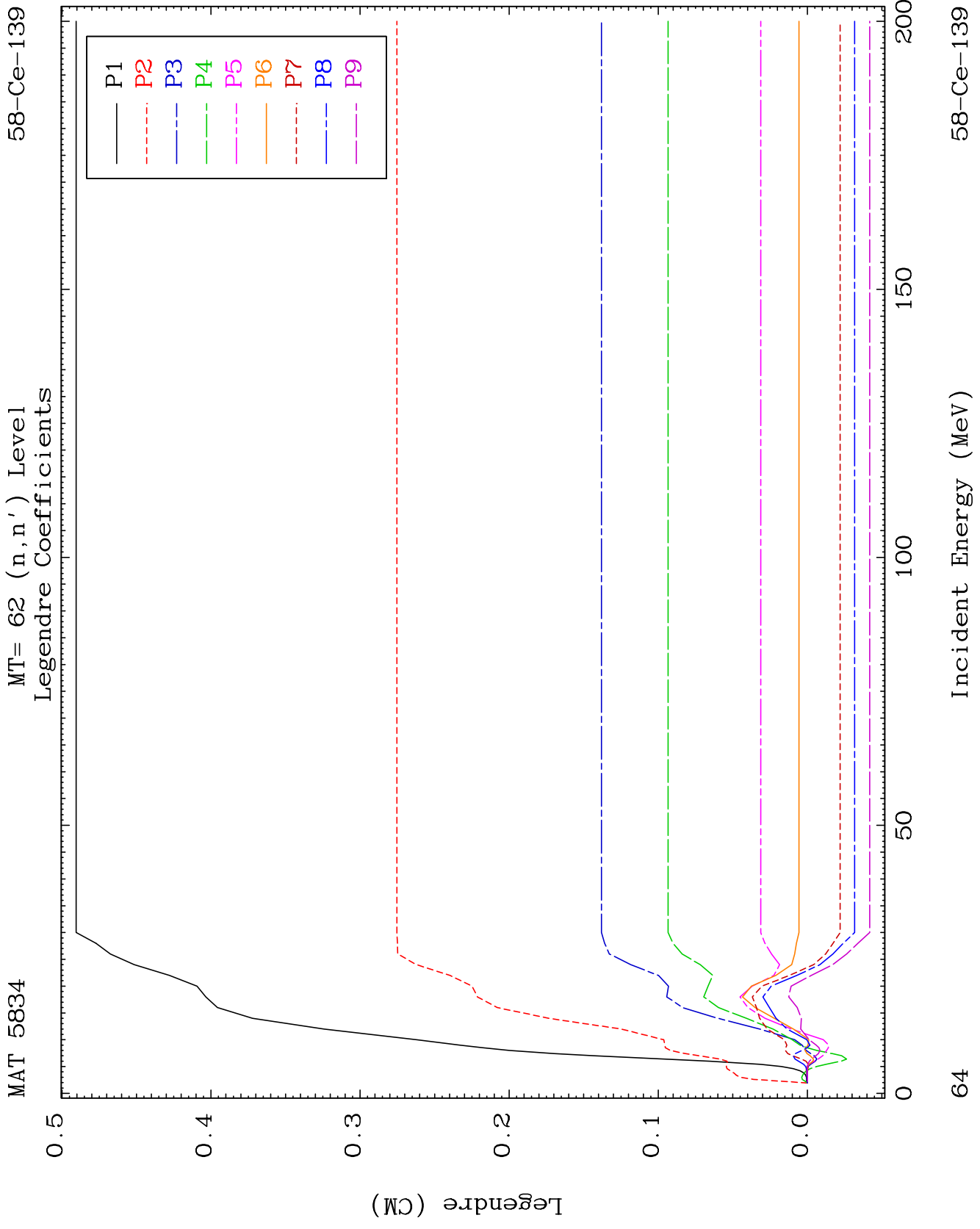
MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-139



63

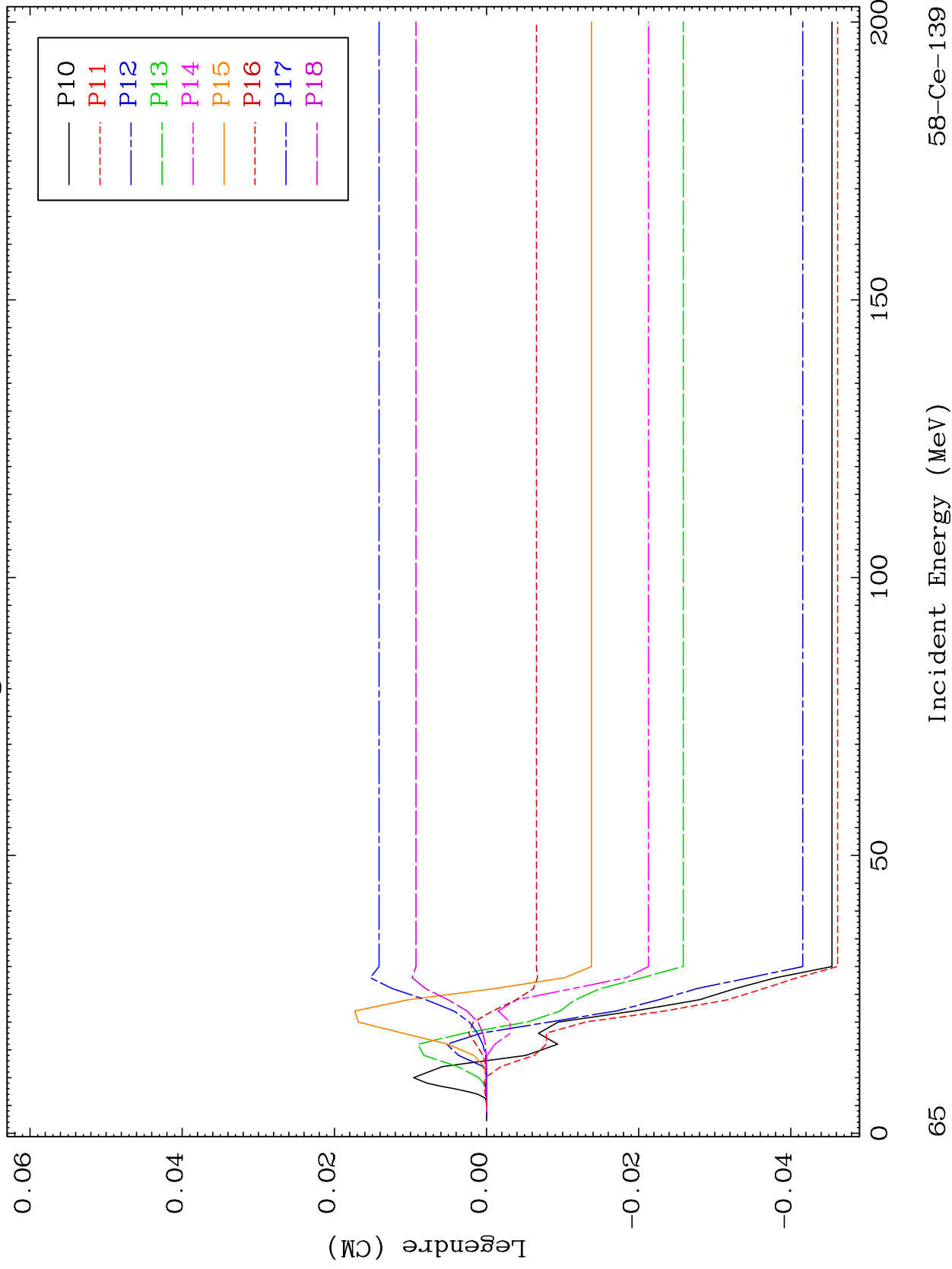
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

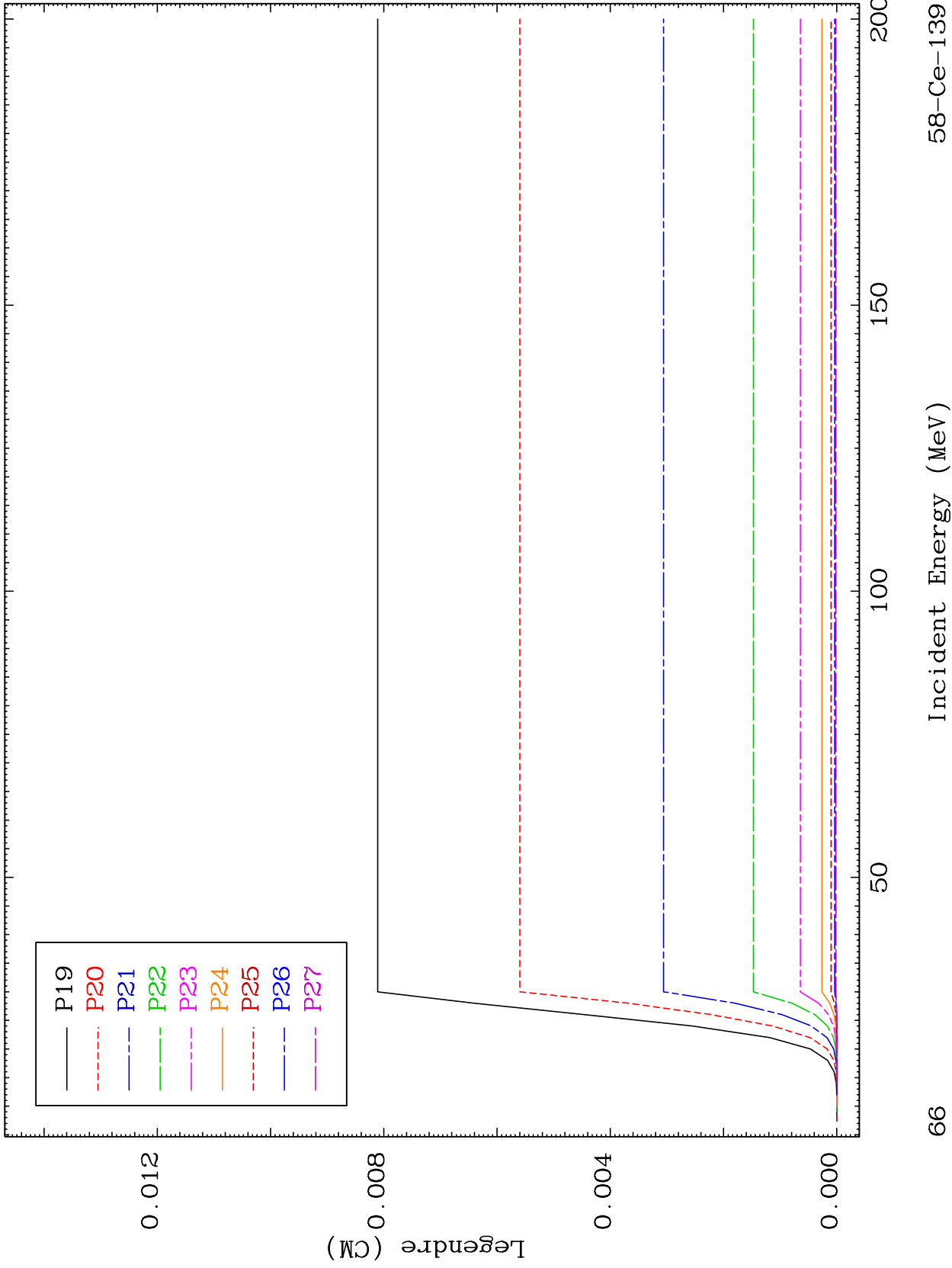
Incident Energy (MeV)

65

MAT 5834

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

58-Ce-139



66

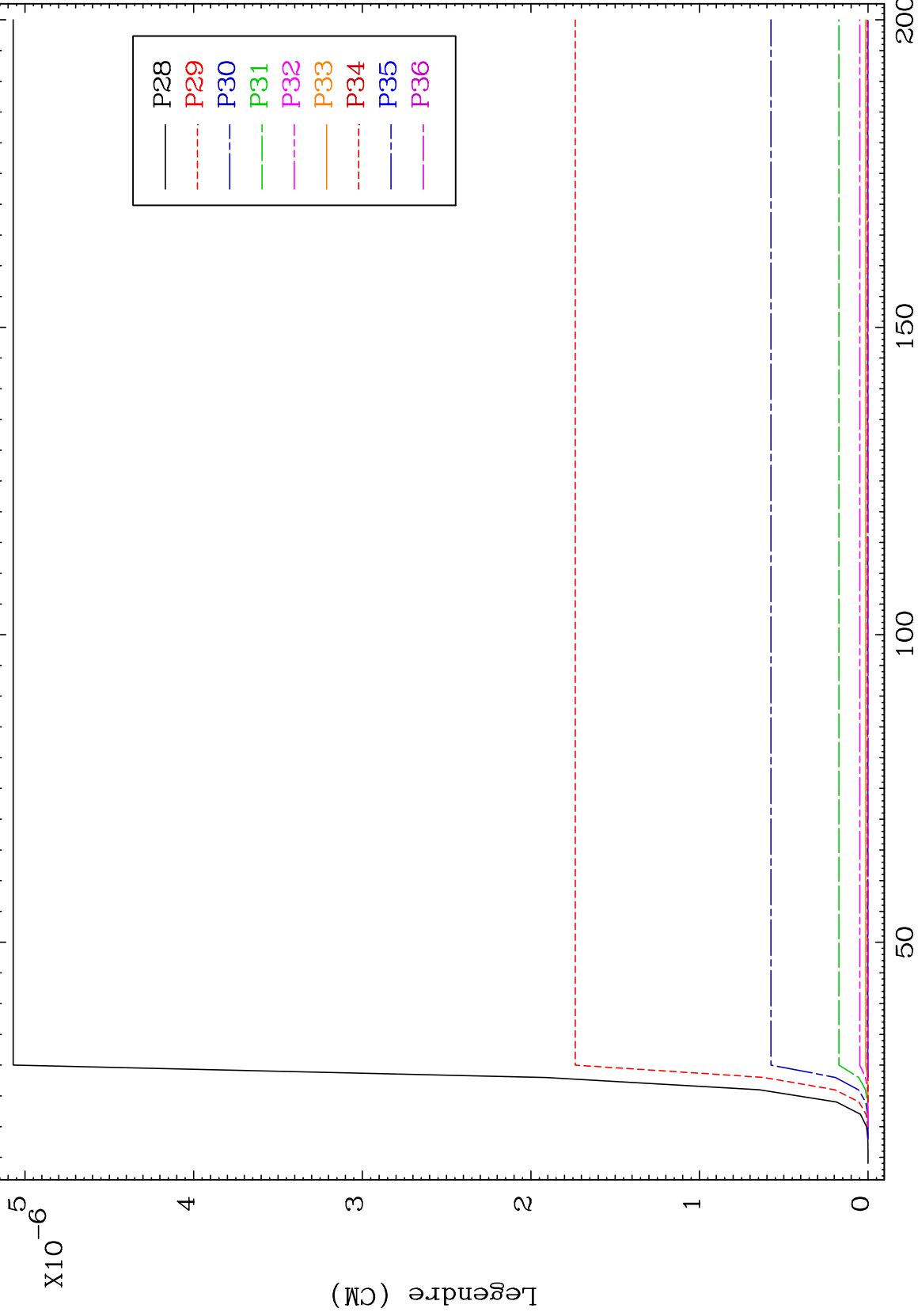
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

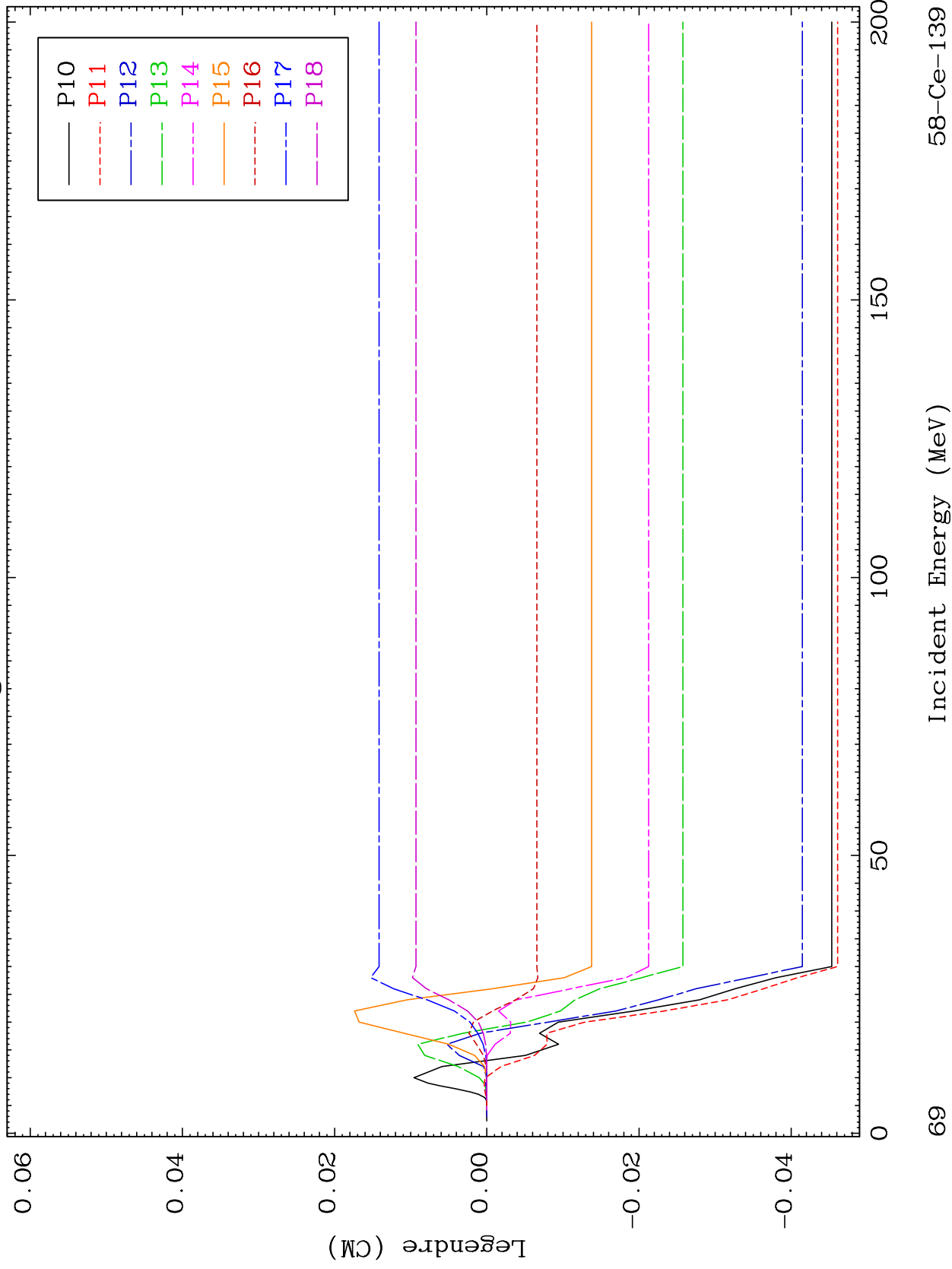
58-Ce-139



MAT 5834

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

58-Ce-139



69

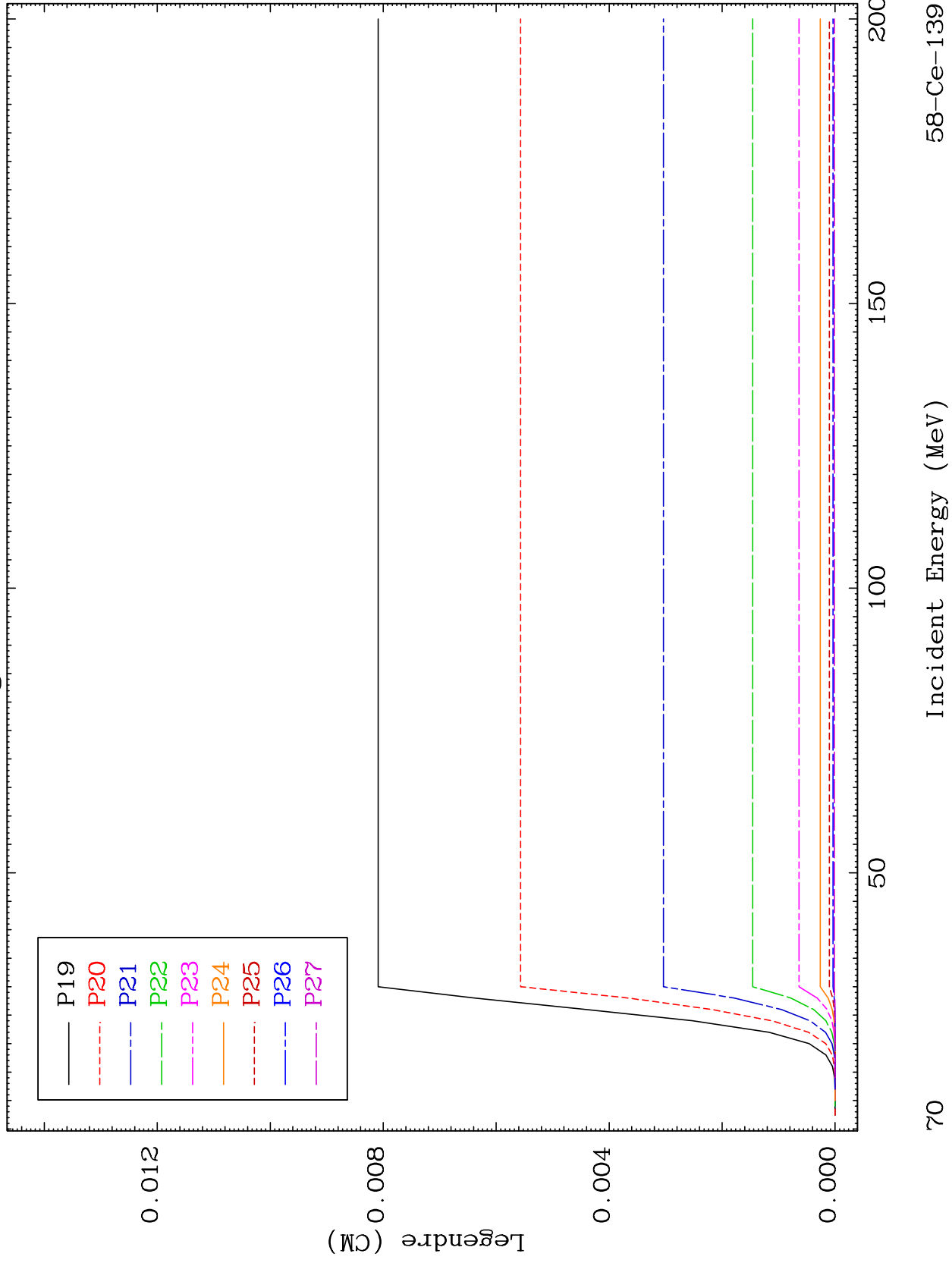
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



70

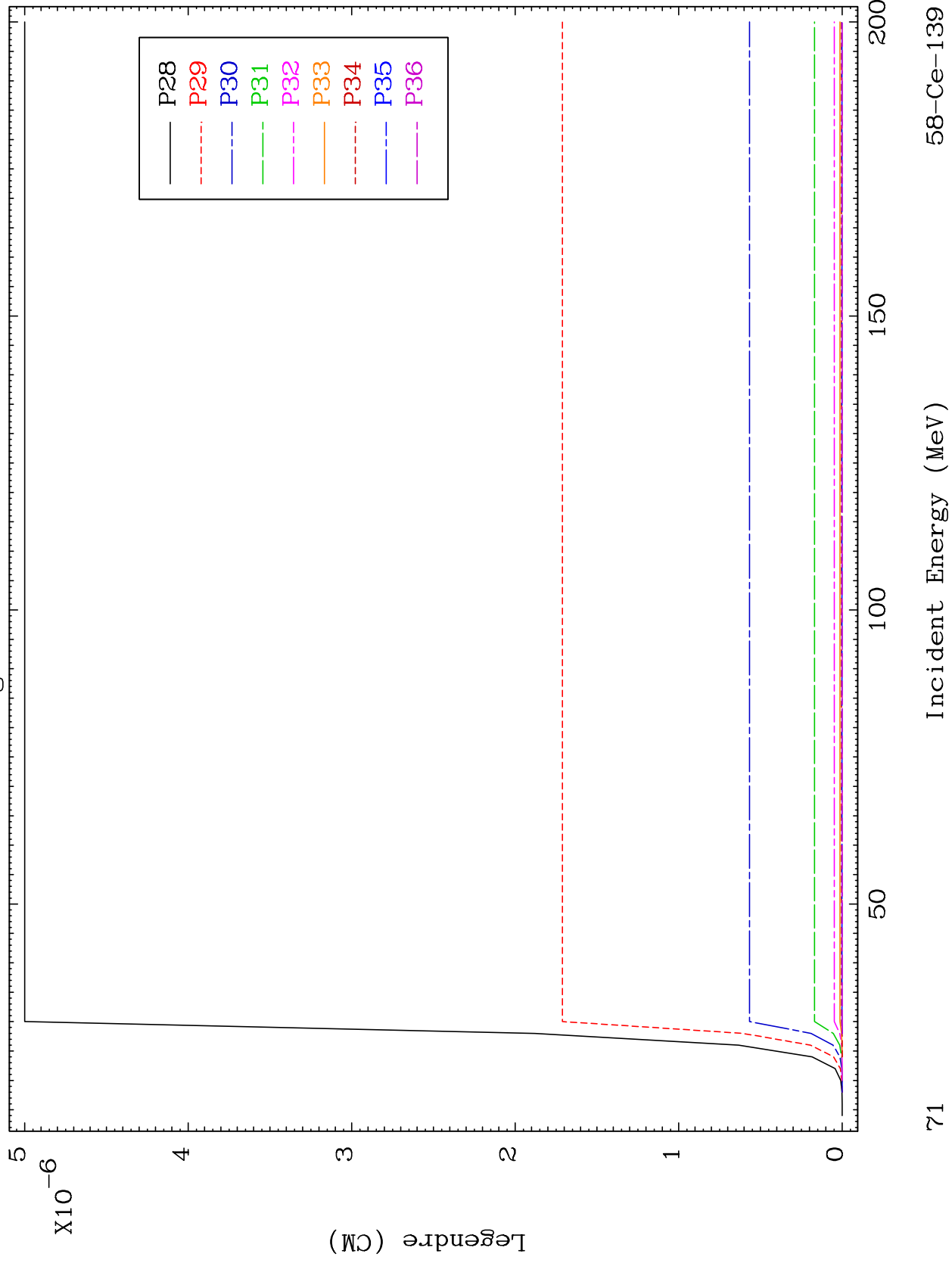
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

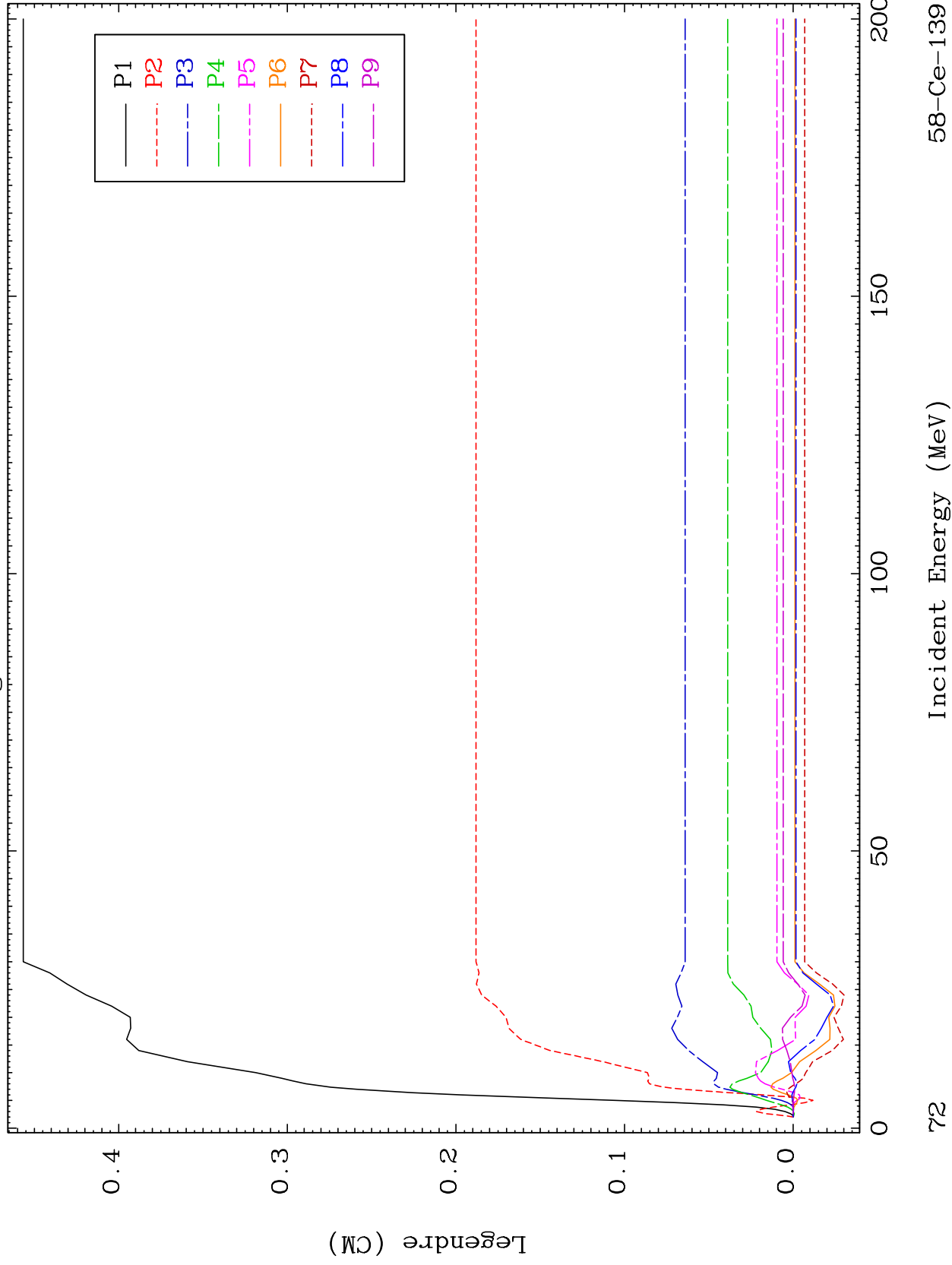
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

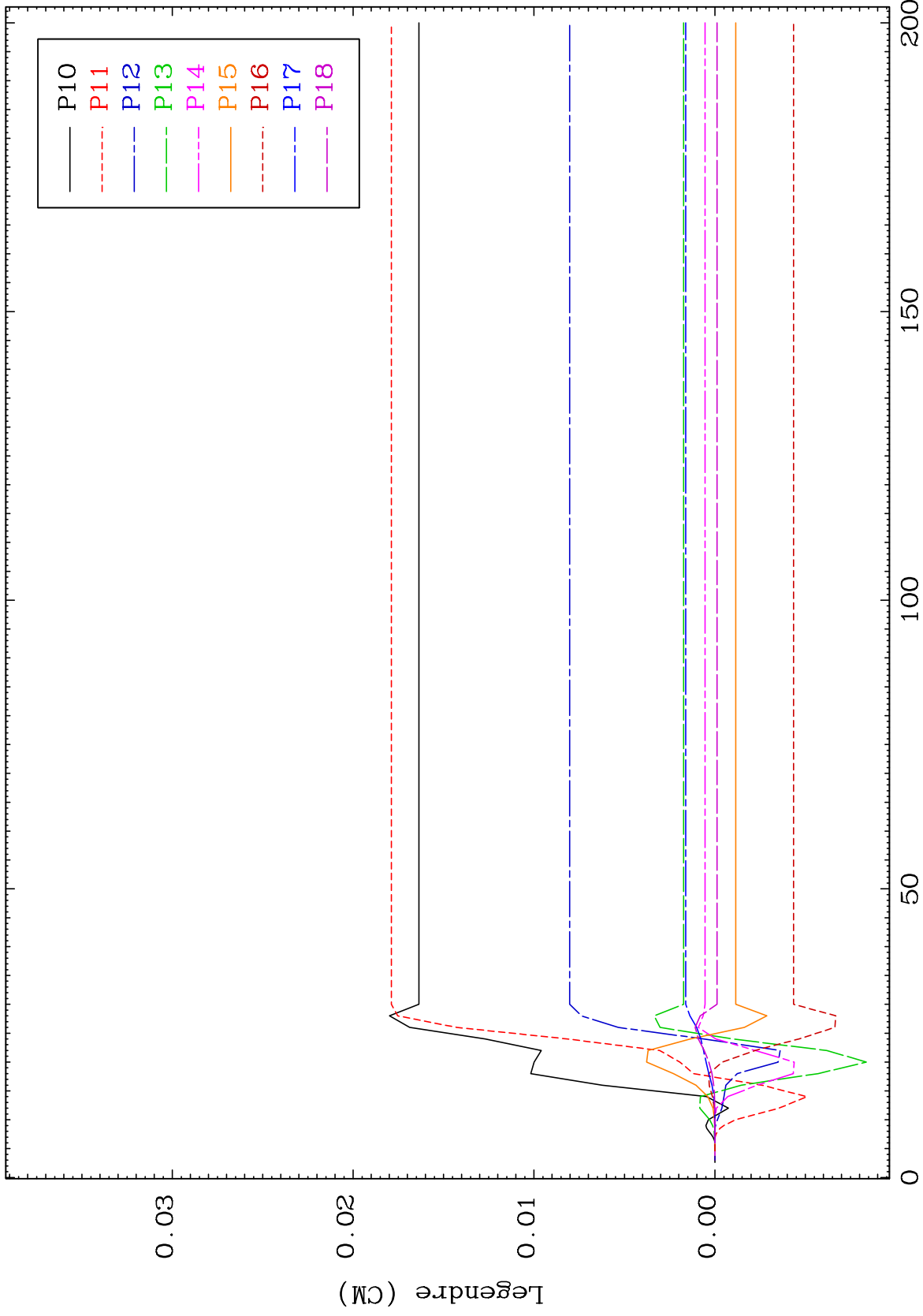
Incident Energy (MeV)

72

MAT 5834

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

58-Ce-139



73

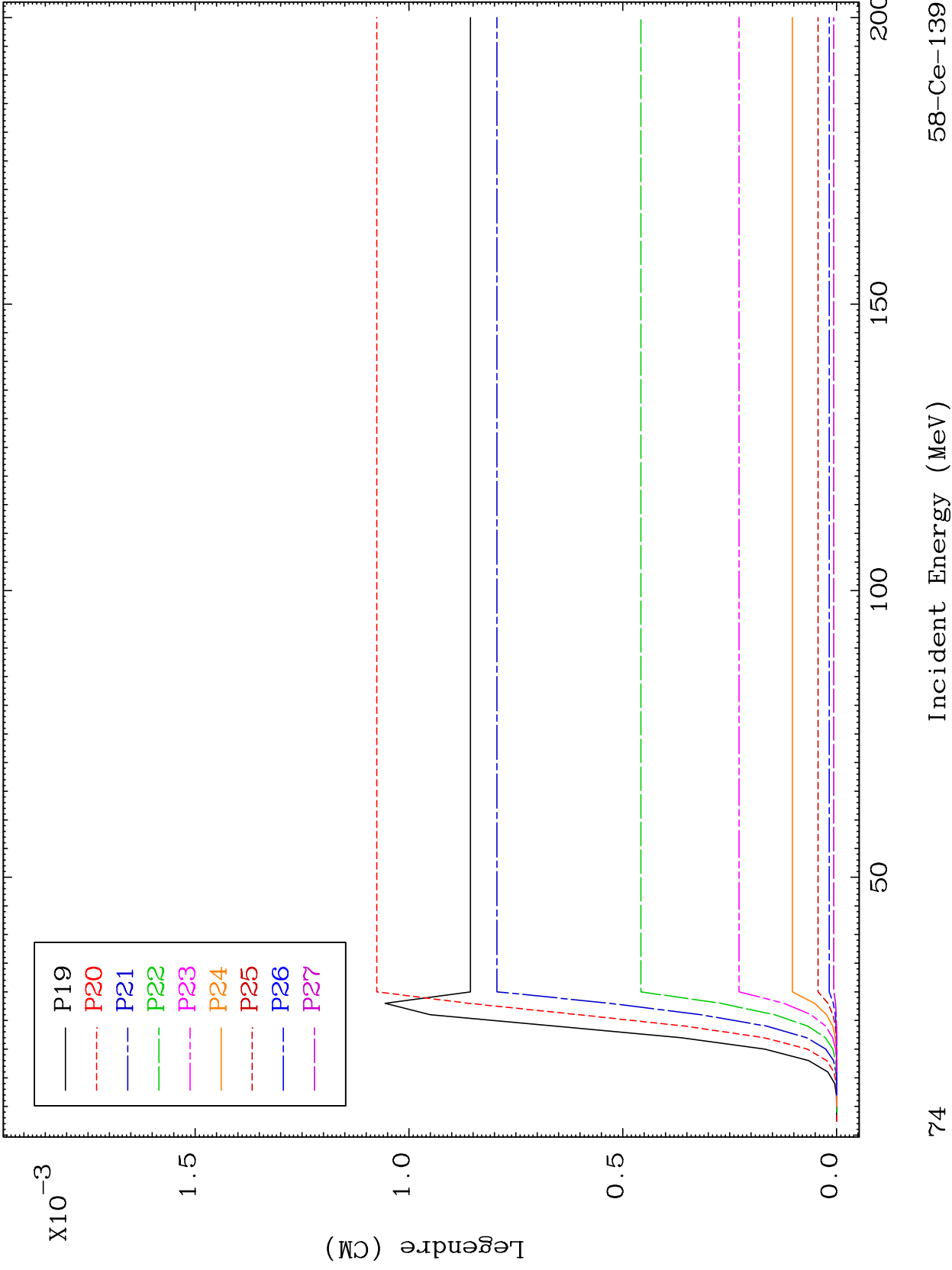
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

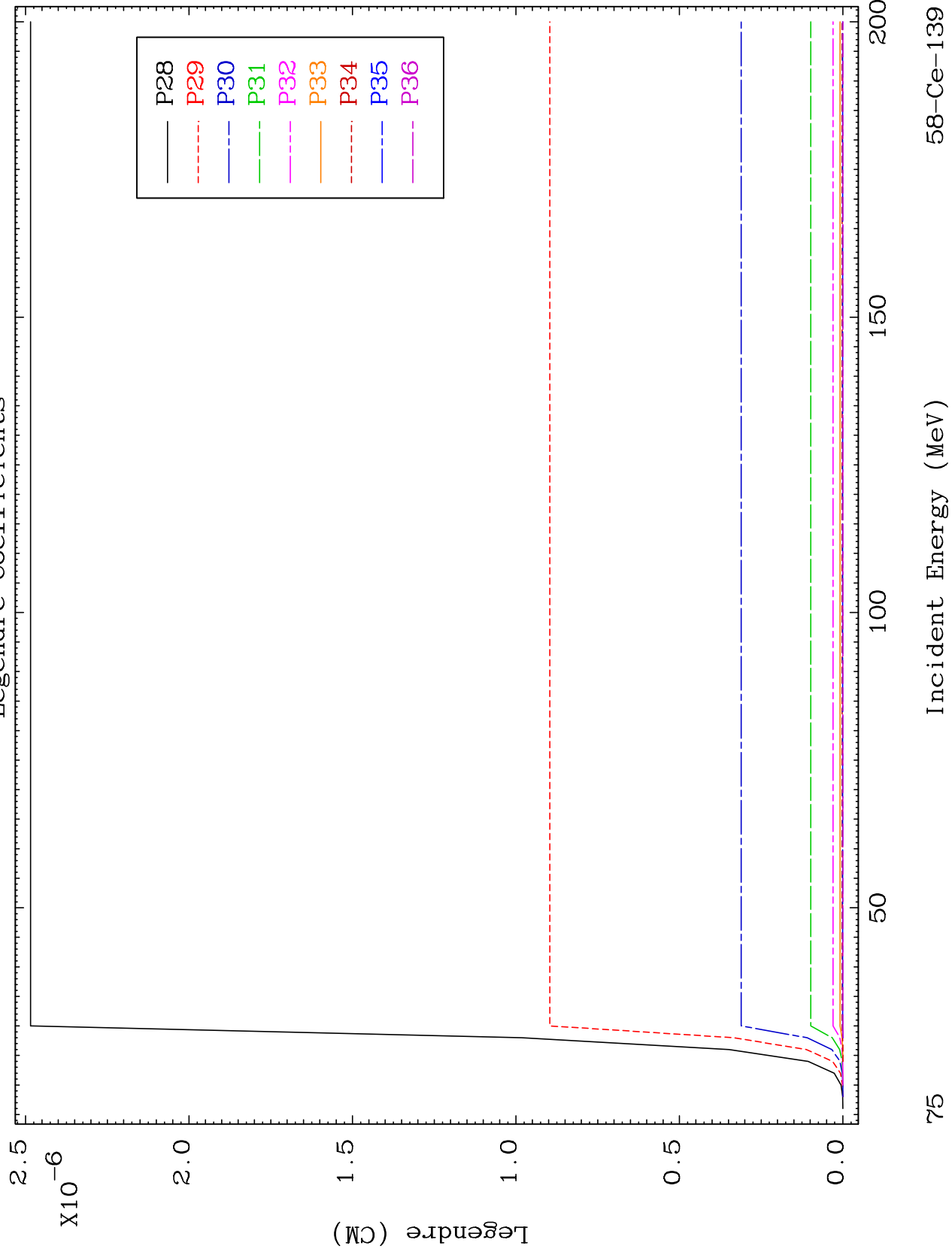
58-Ce-139



MAT 5834

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

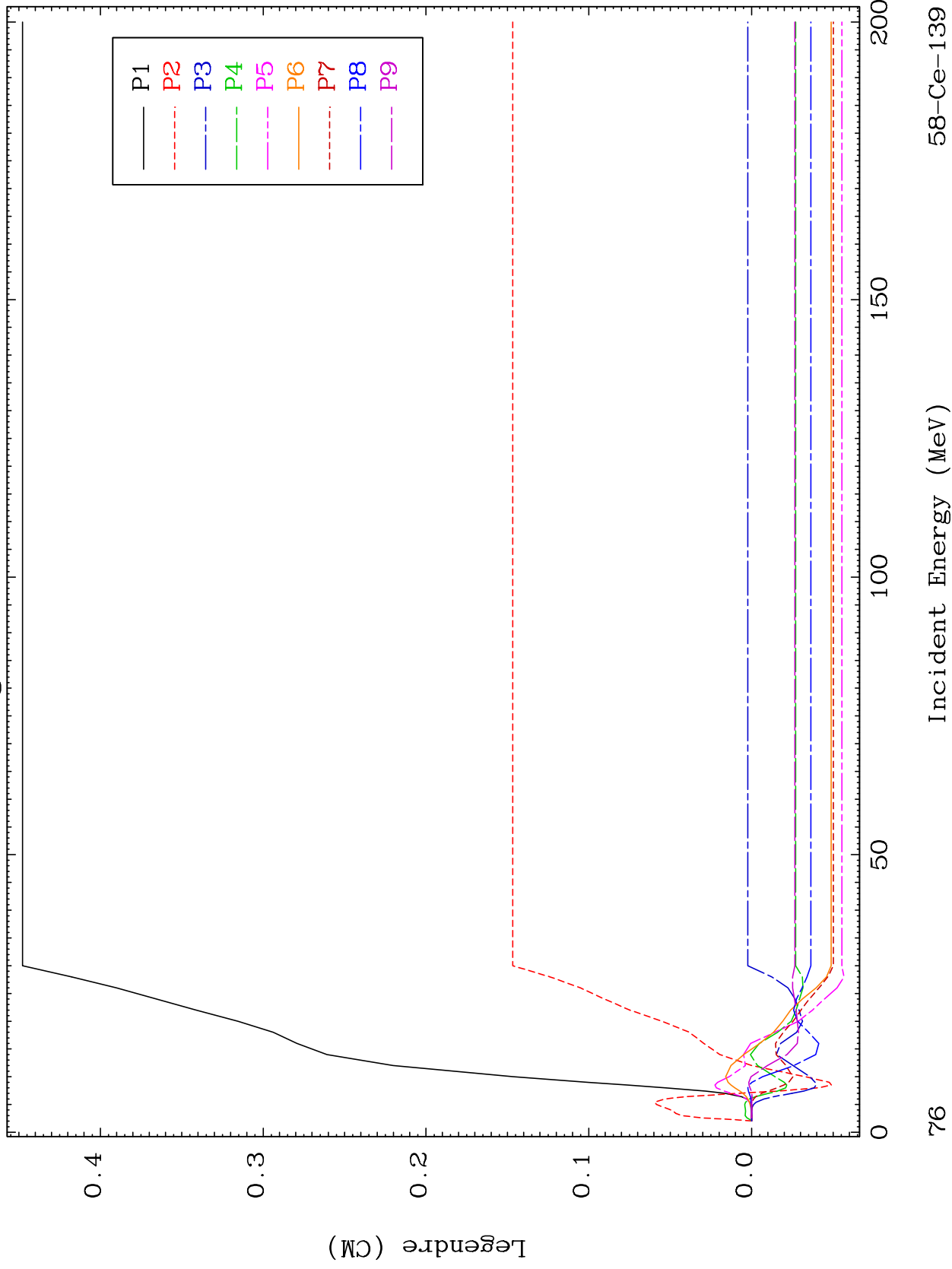
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

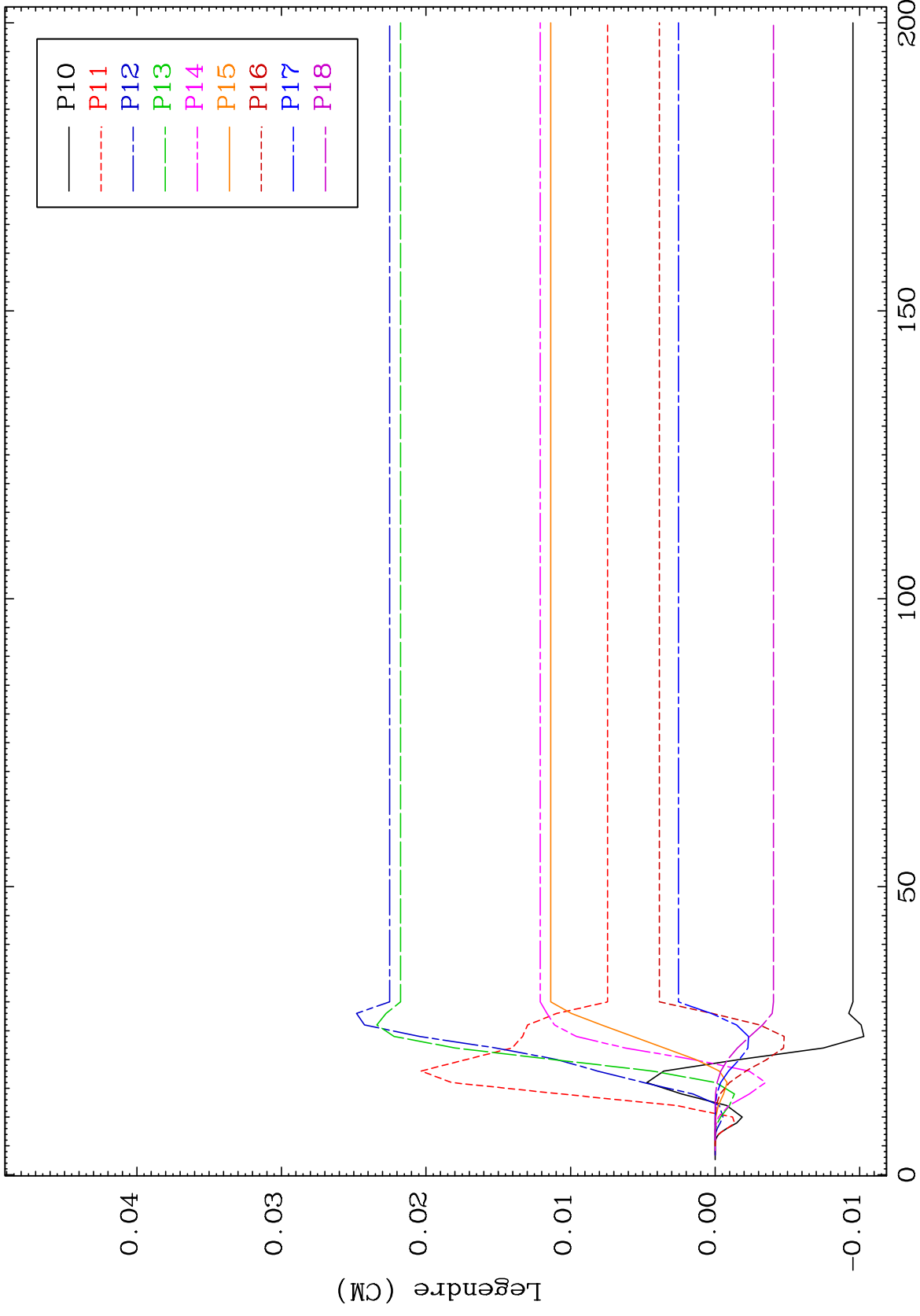
Incident Energy (MeV)

76

MAT 5834

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

58-Ce-139



77

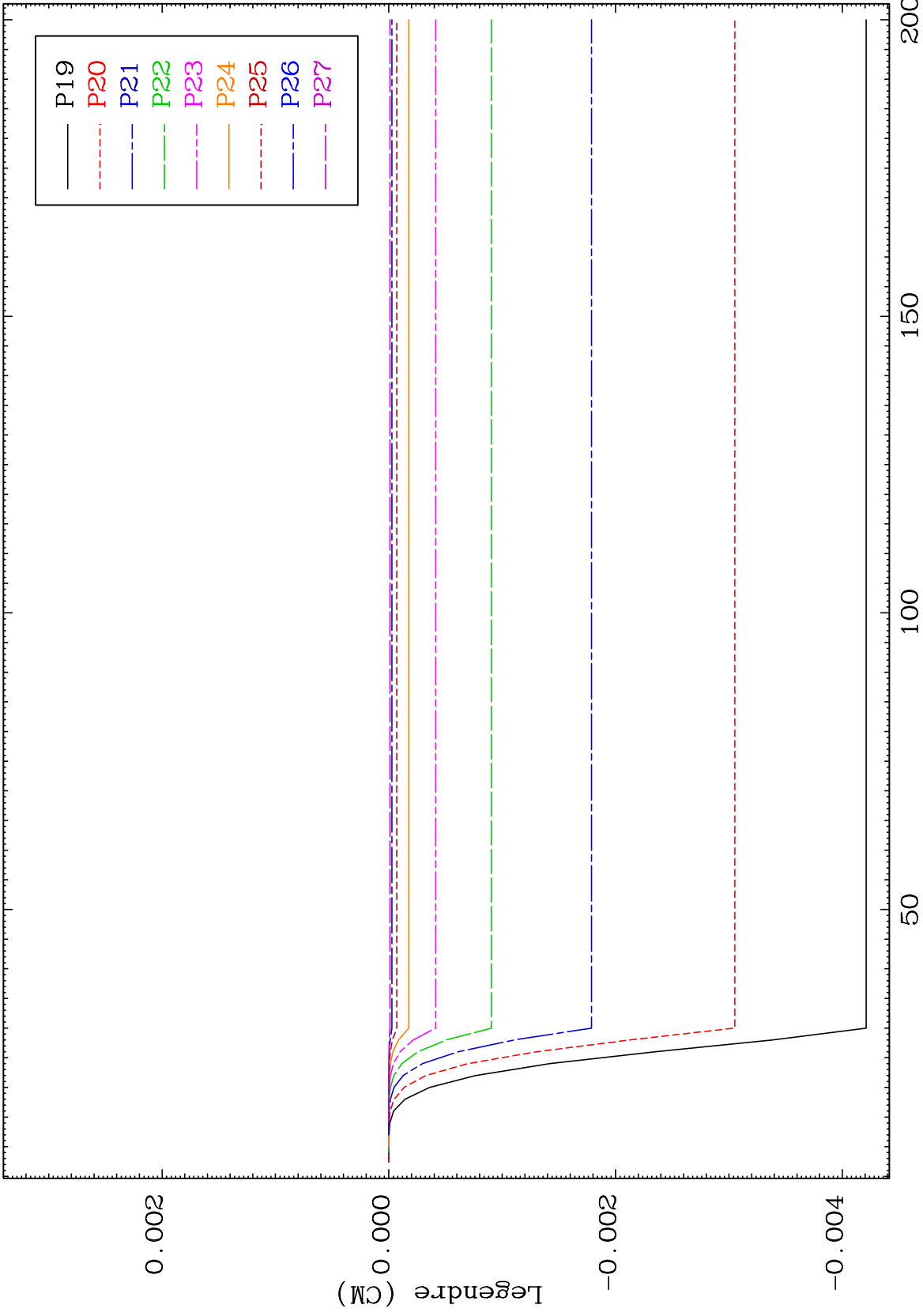
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



78

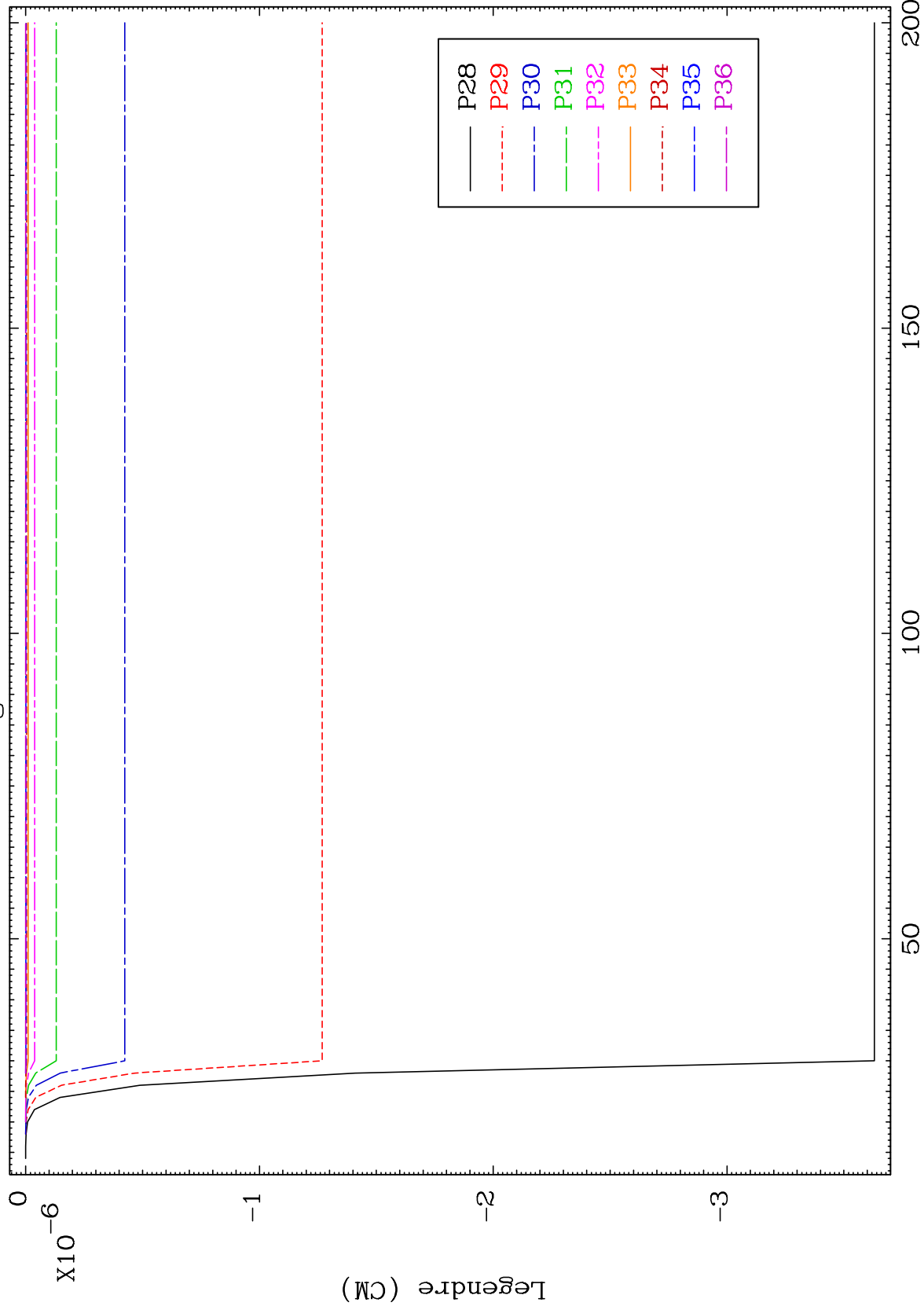
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



79

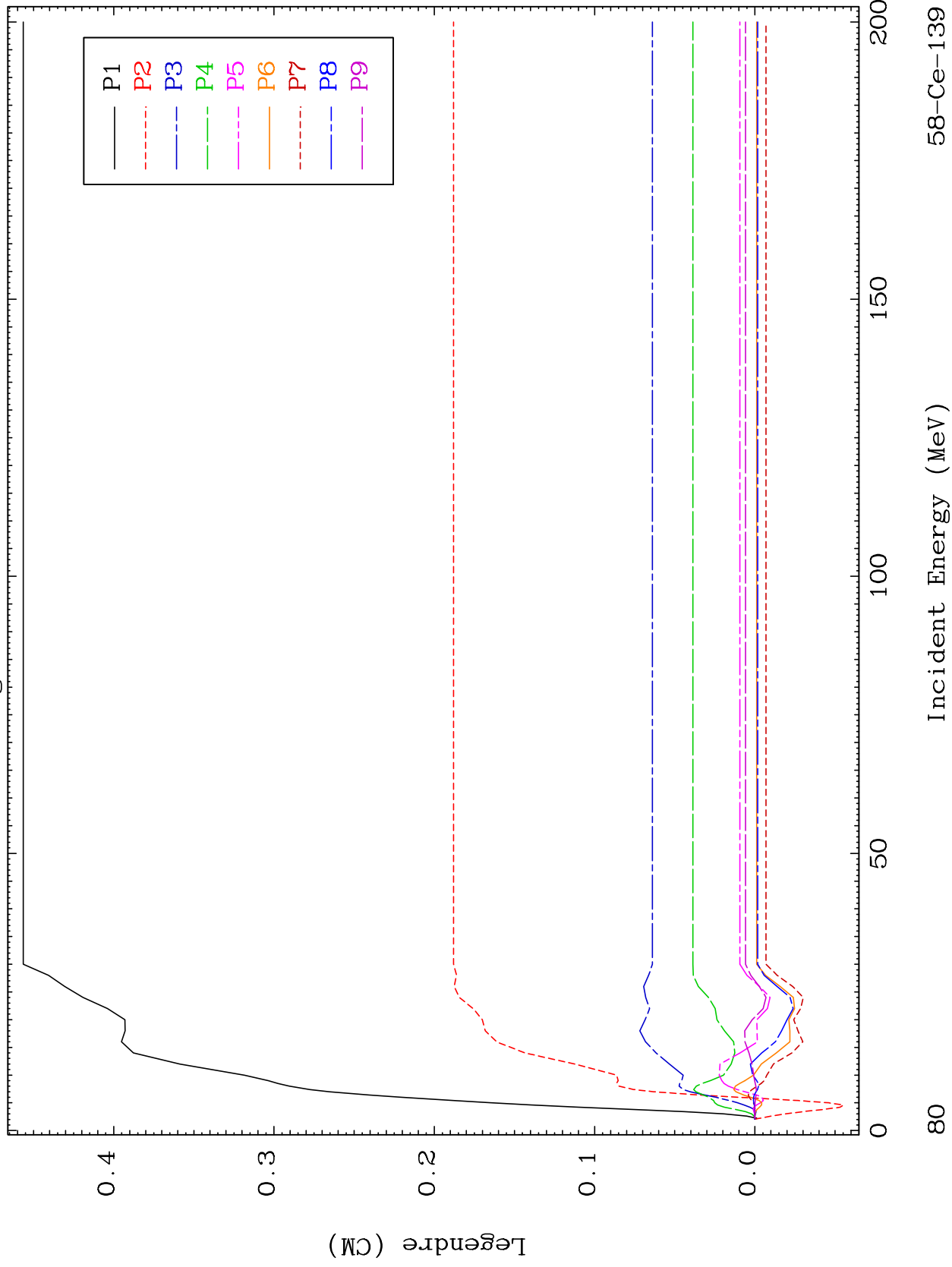
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



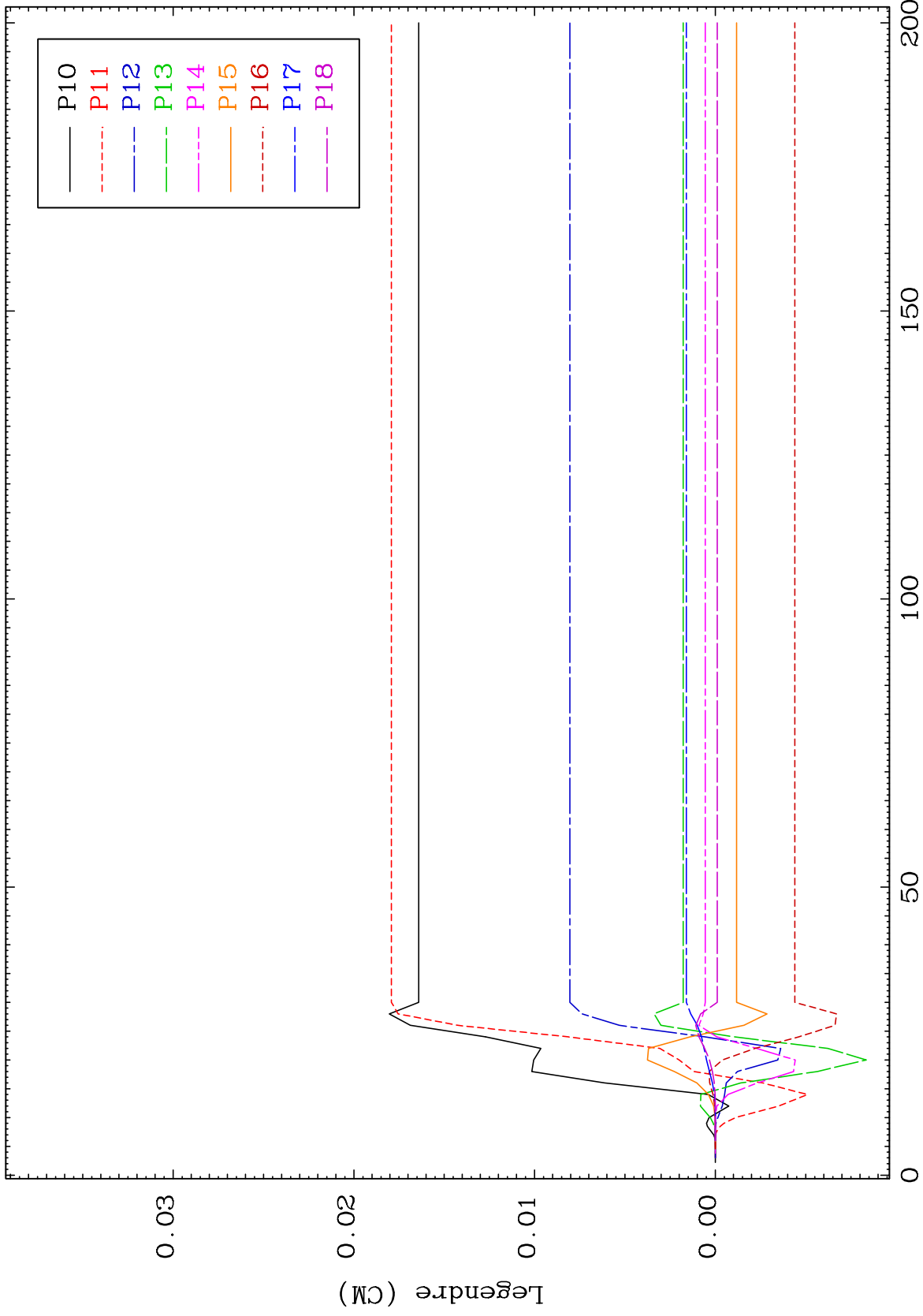
58-Ce-139

Incident Energy (MeV)

MAT 5834

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

58-Ce-139



81

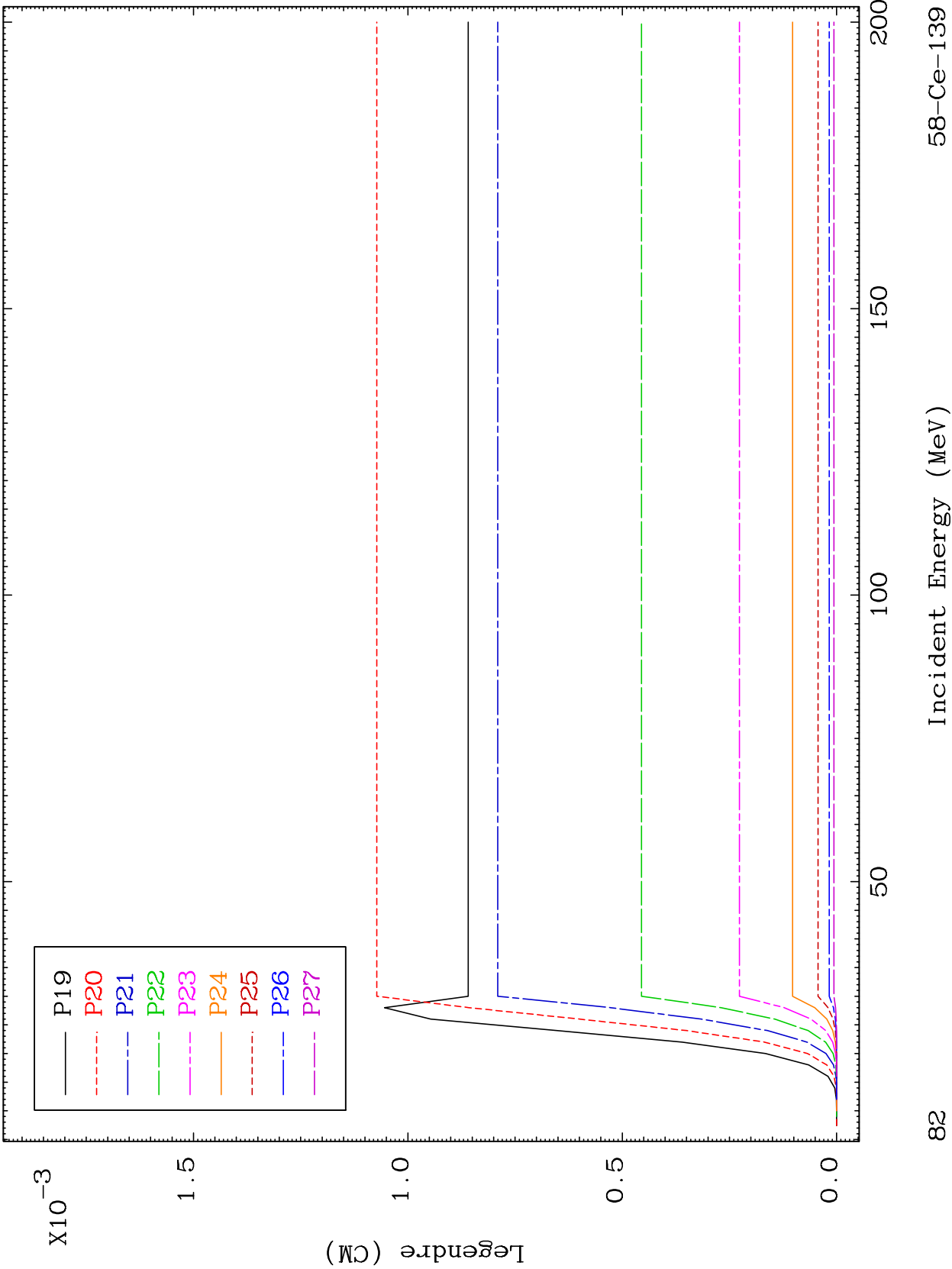
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



82

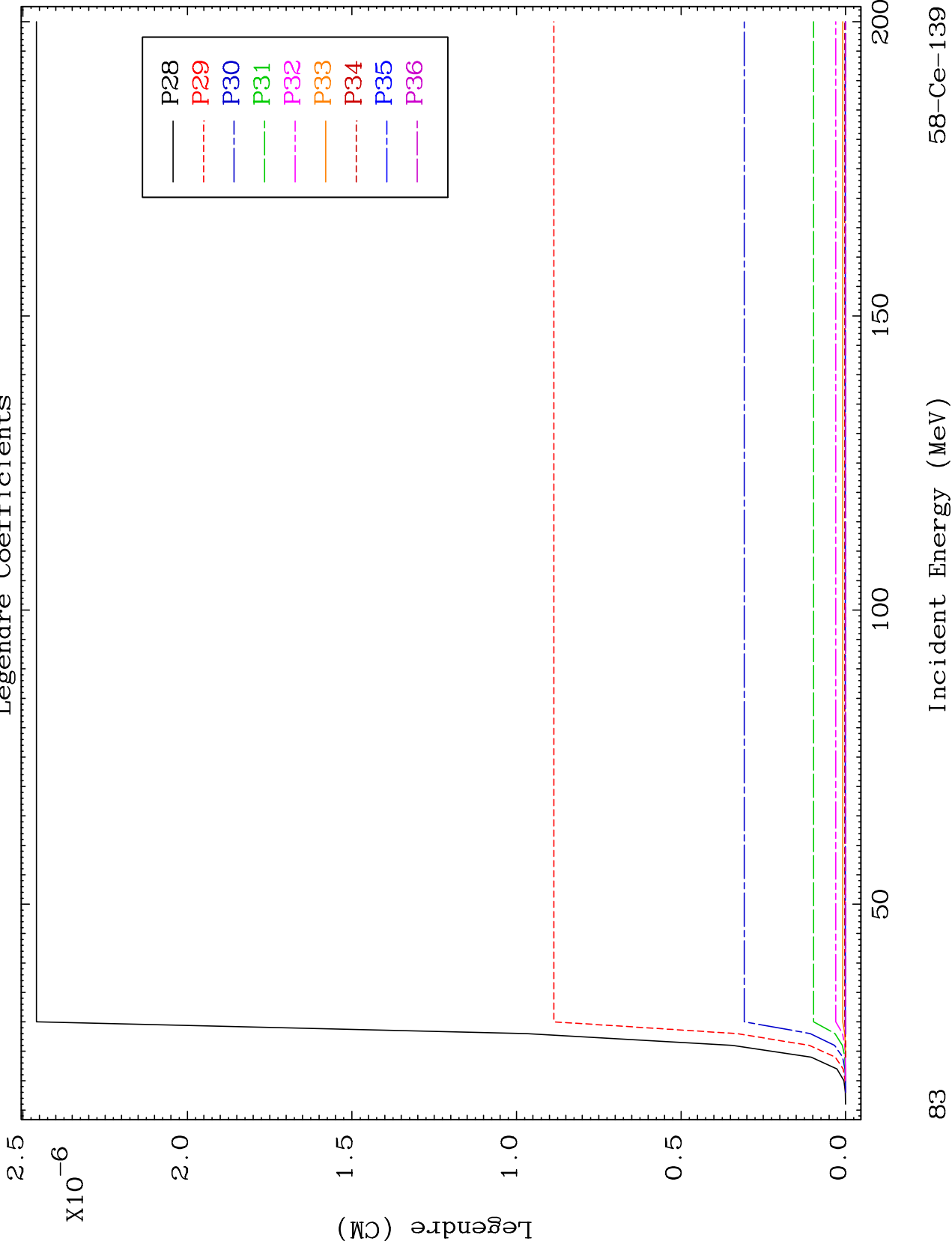
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

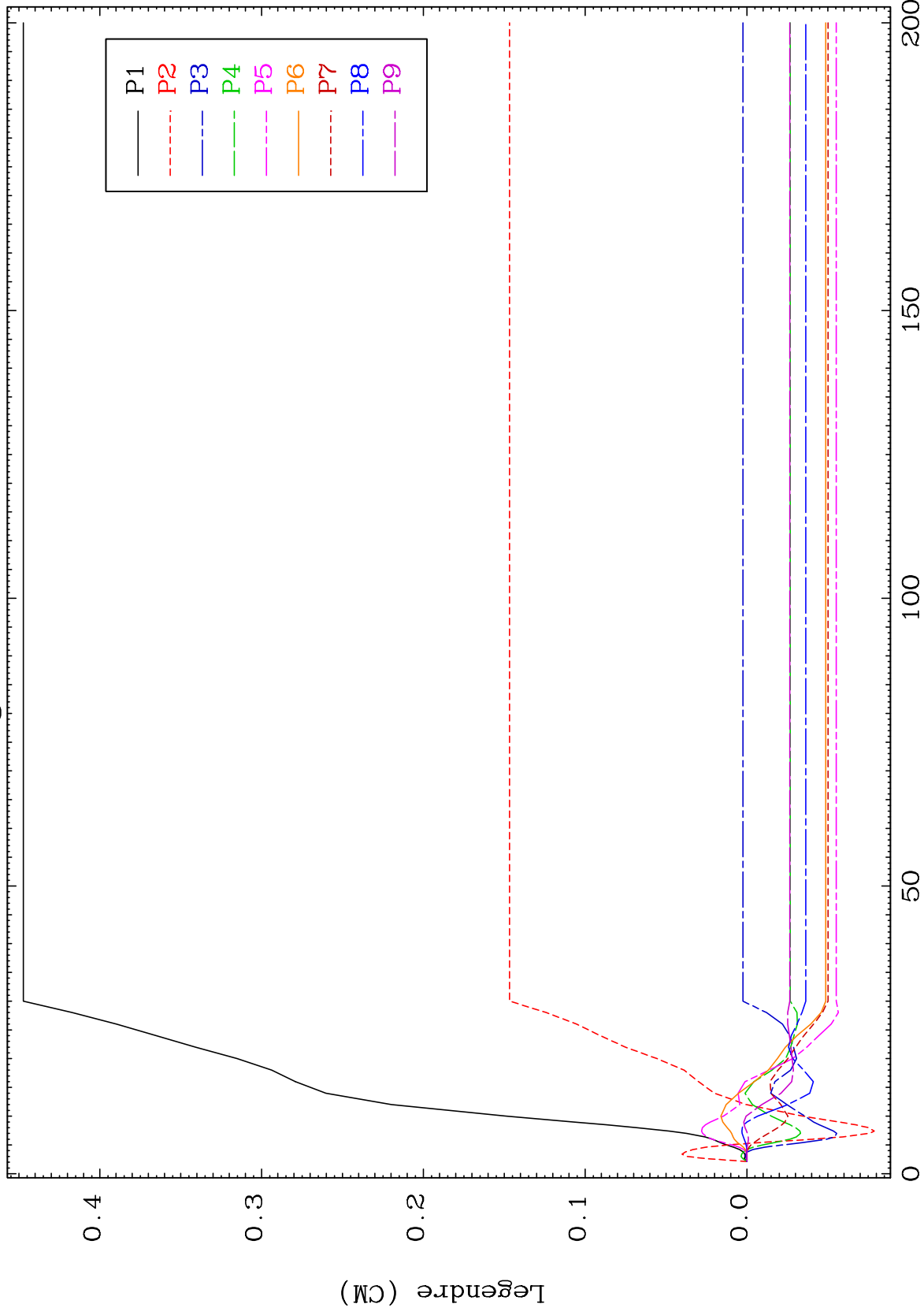


83

MAT 5834

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

58-Ce-139



58-Ce-139

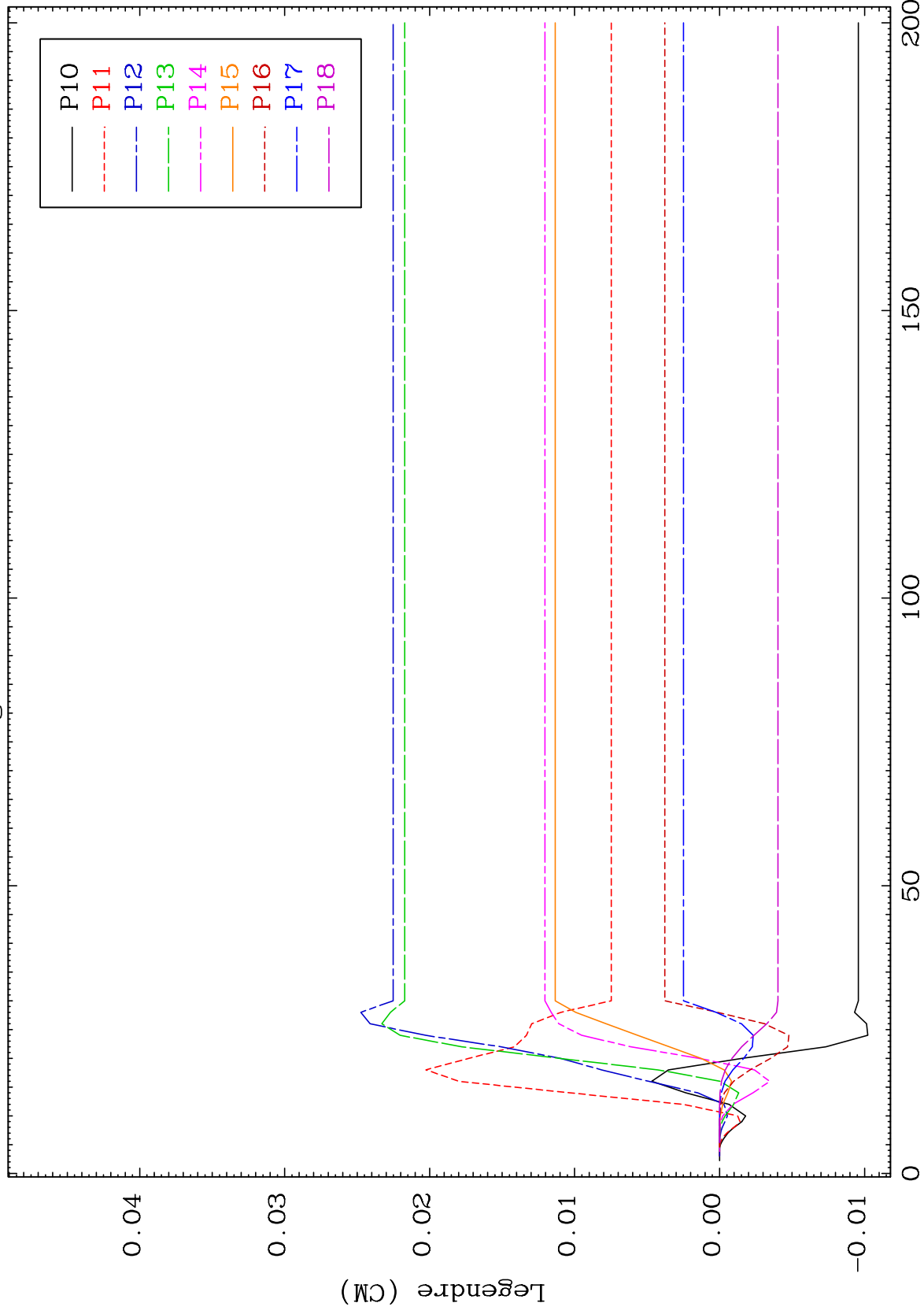
Incident Energy (MeV)

84

MAT 5834

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

58-Ce-139



85

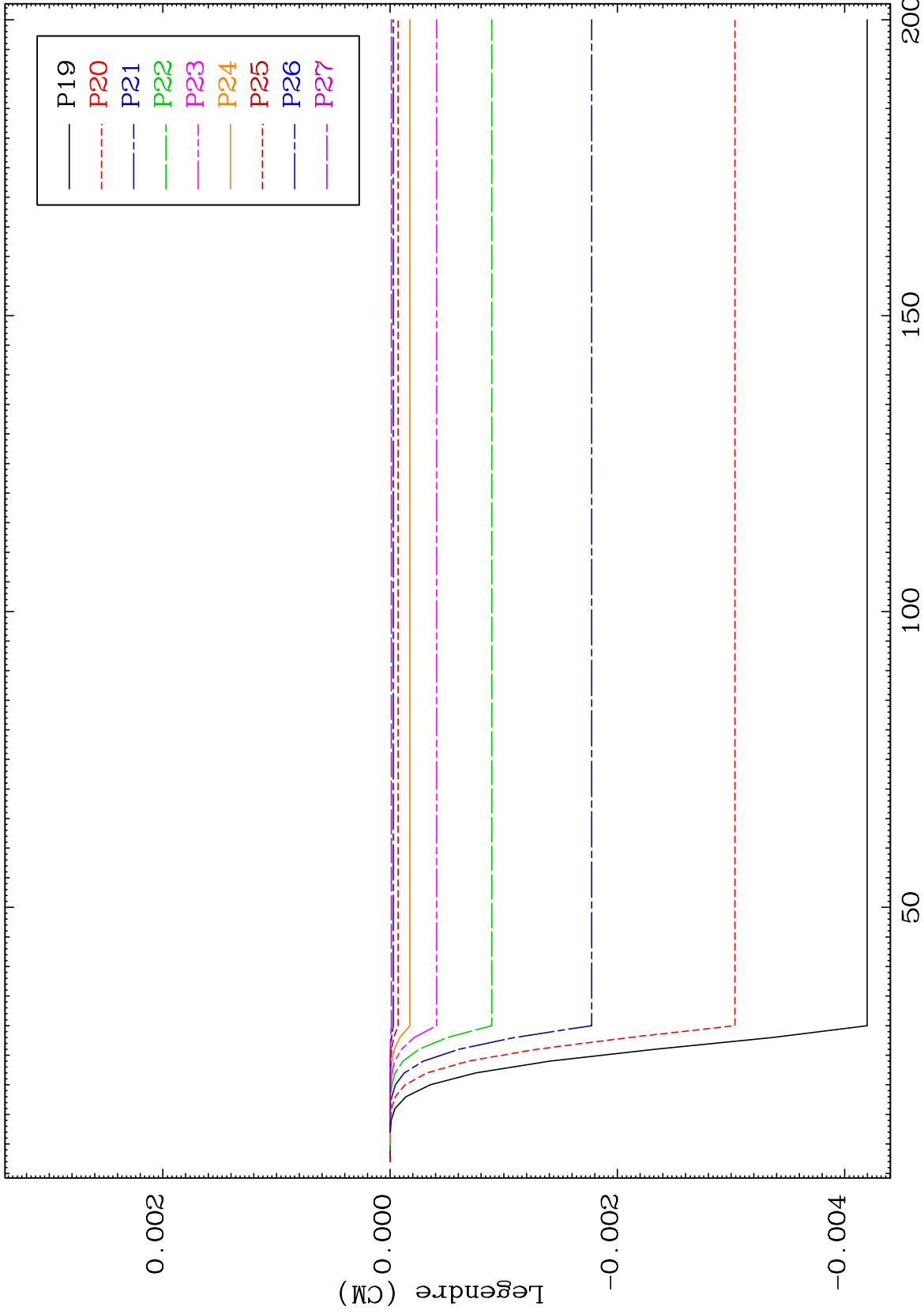
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



86

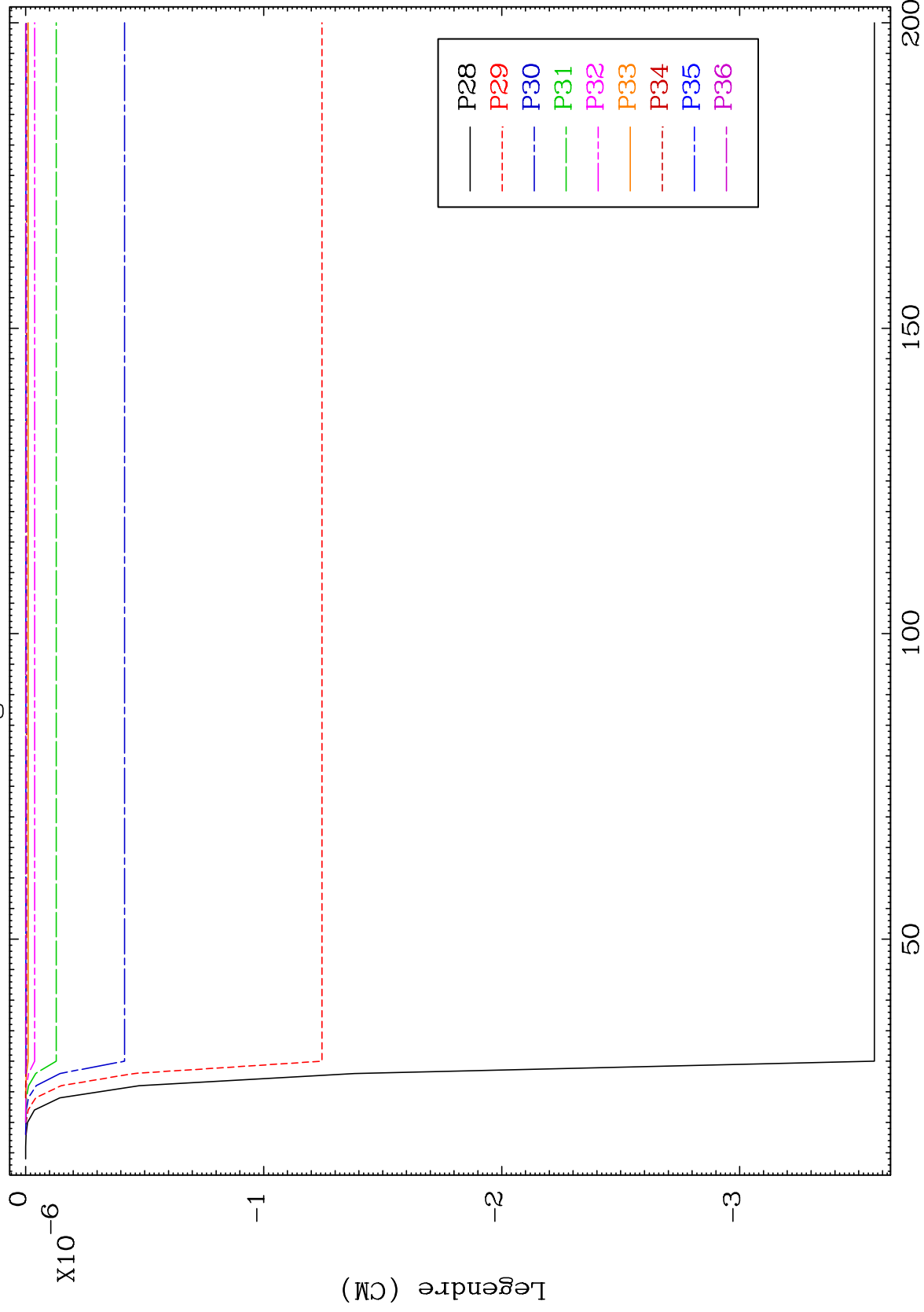
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



87

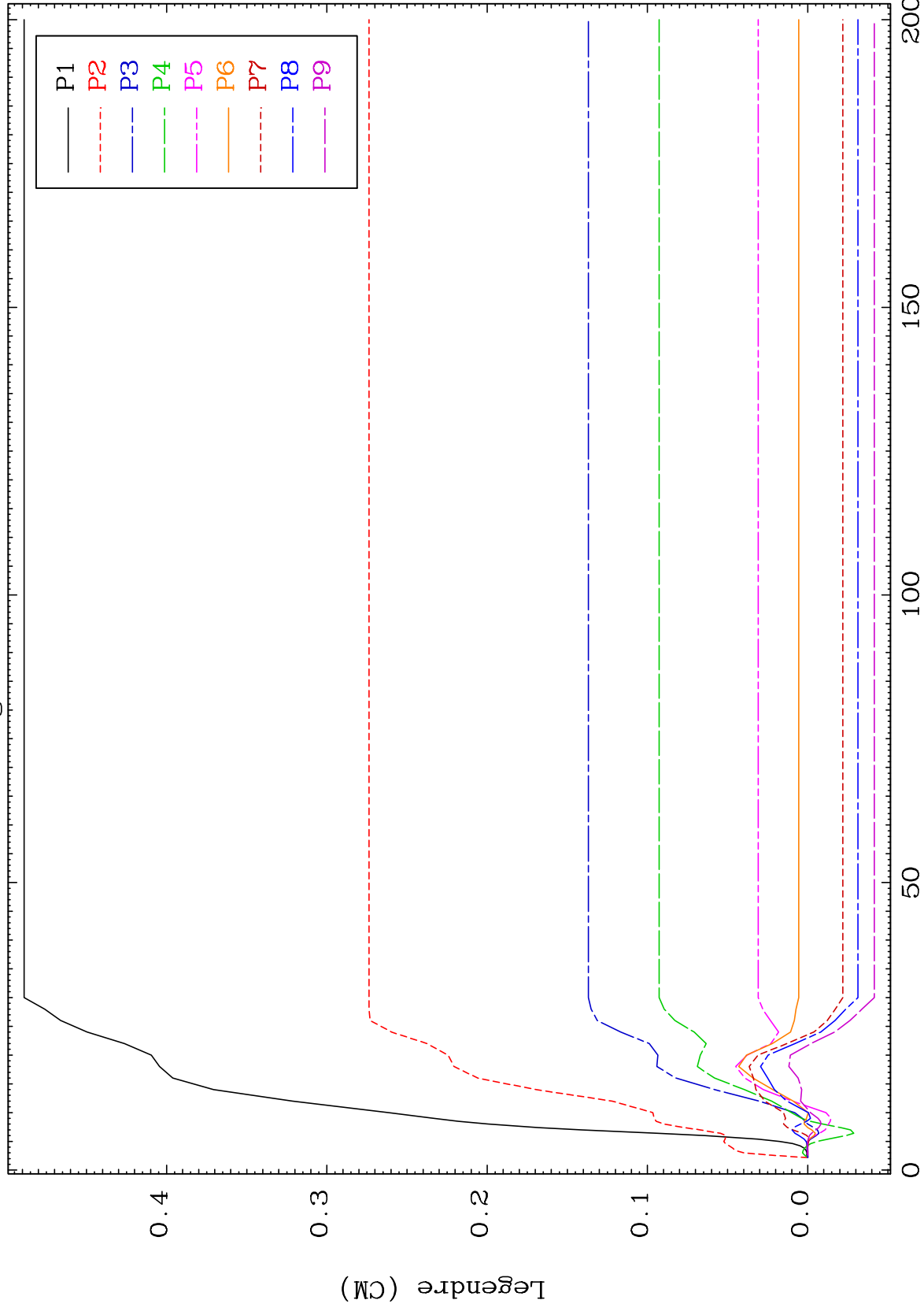
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



88

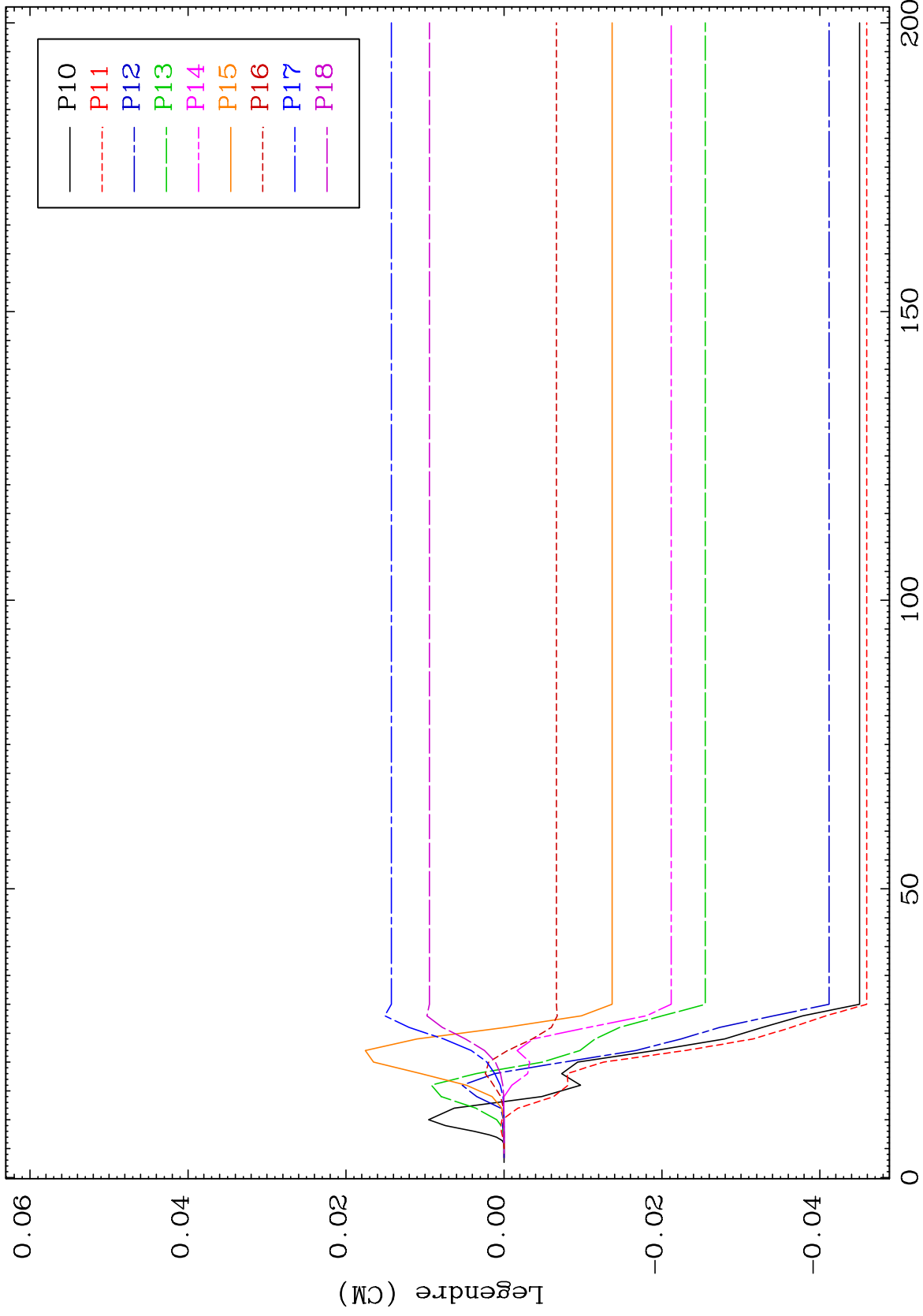
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



89

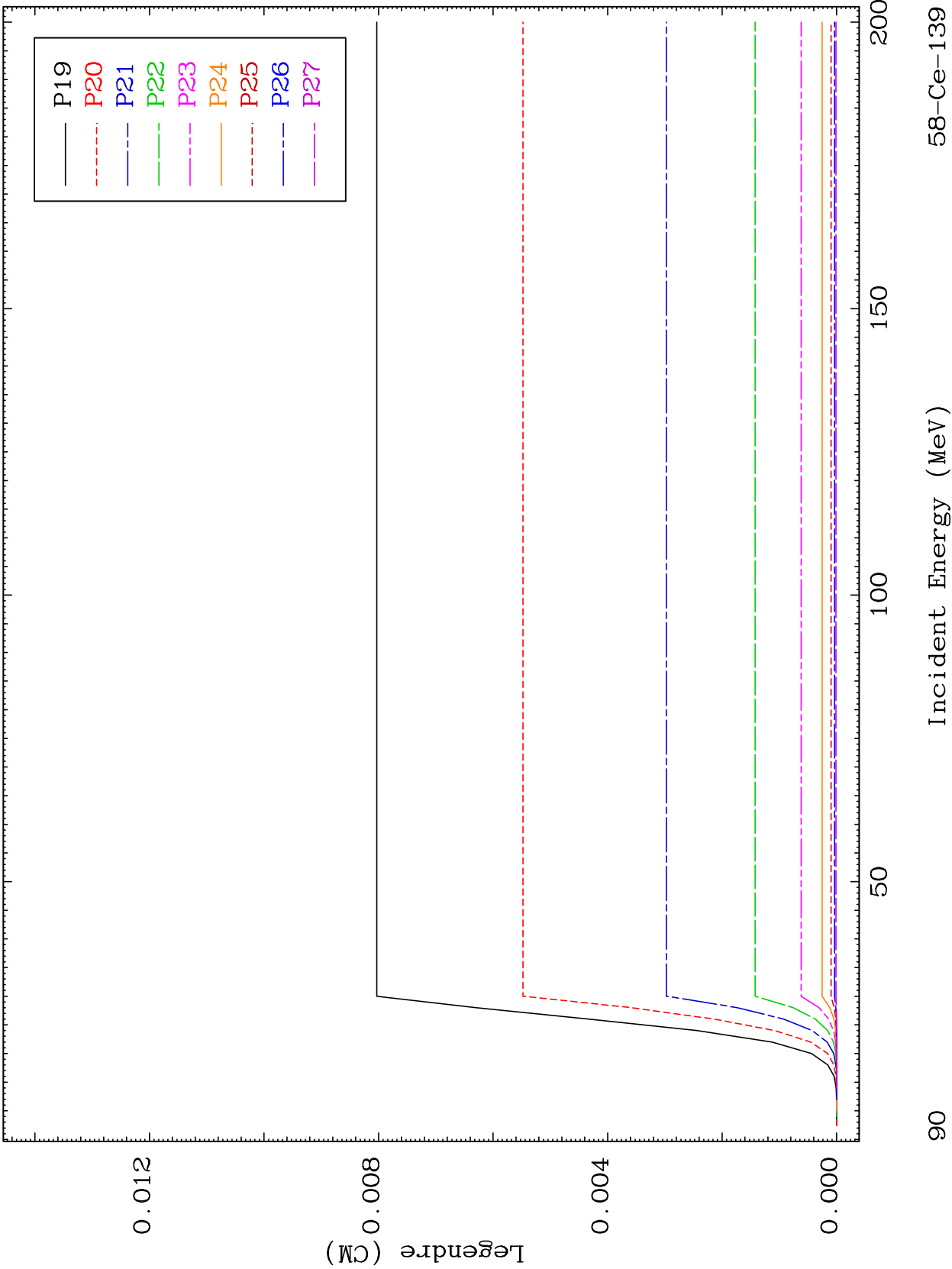
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



90

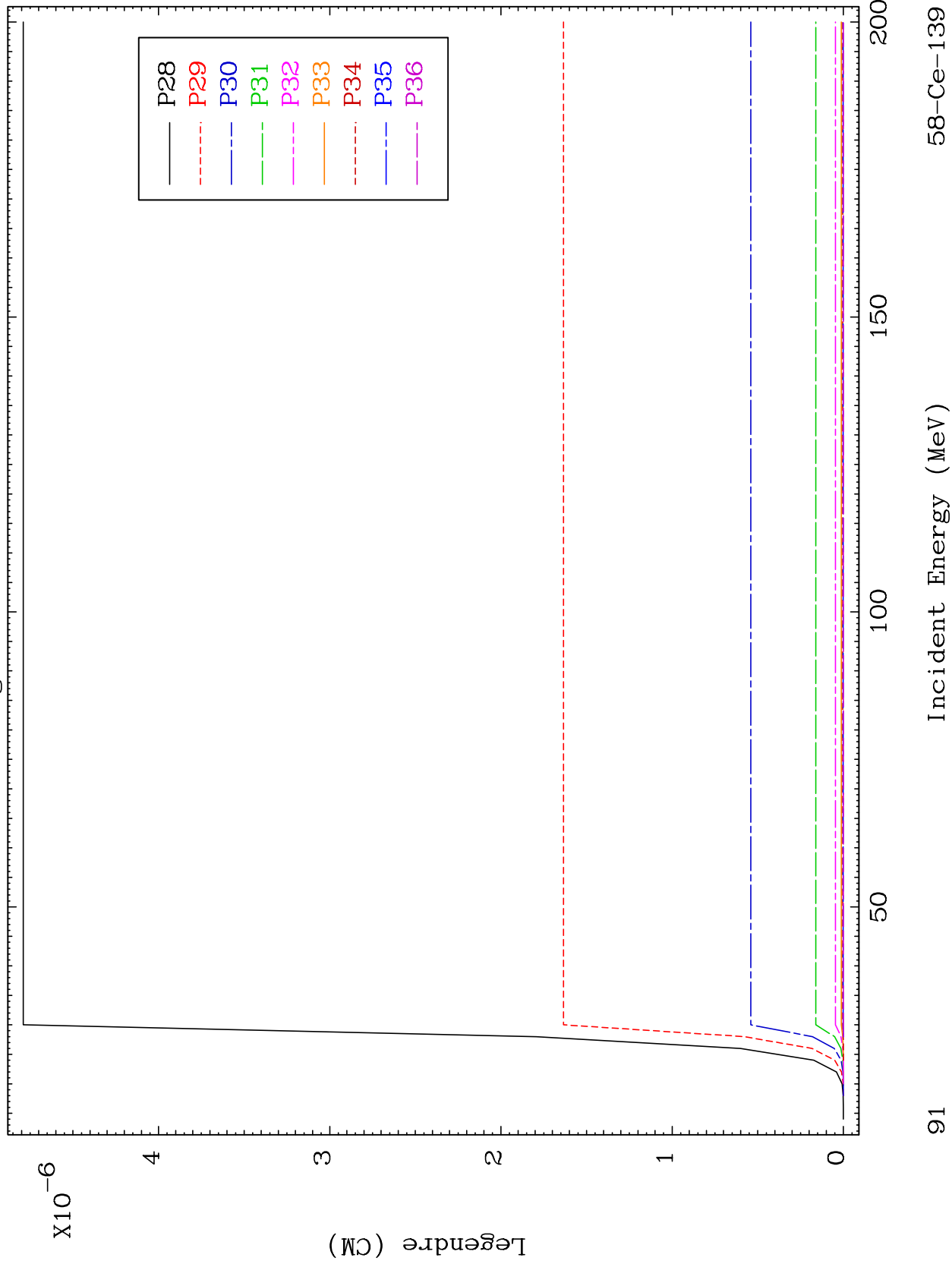
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

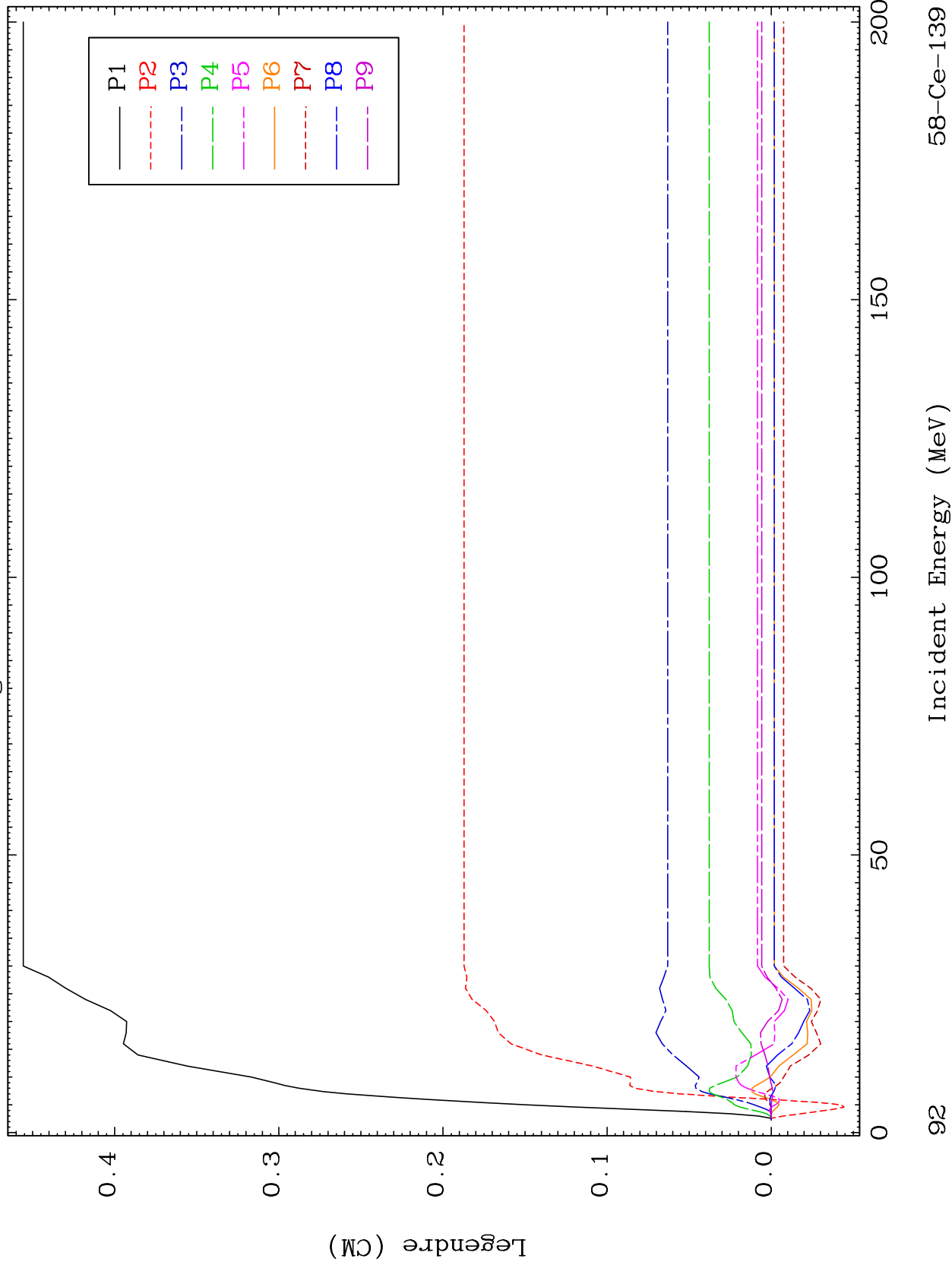
58-Ce-139



MAT 5834

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

58-Ce-139



58-Ce-139

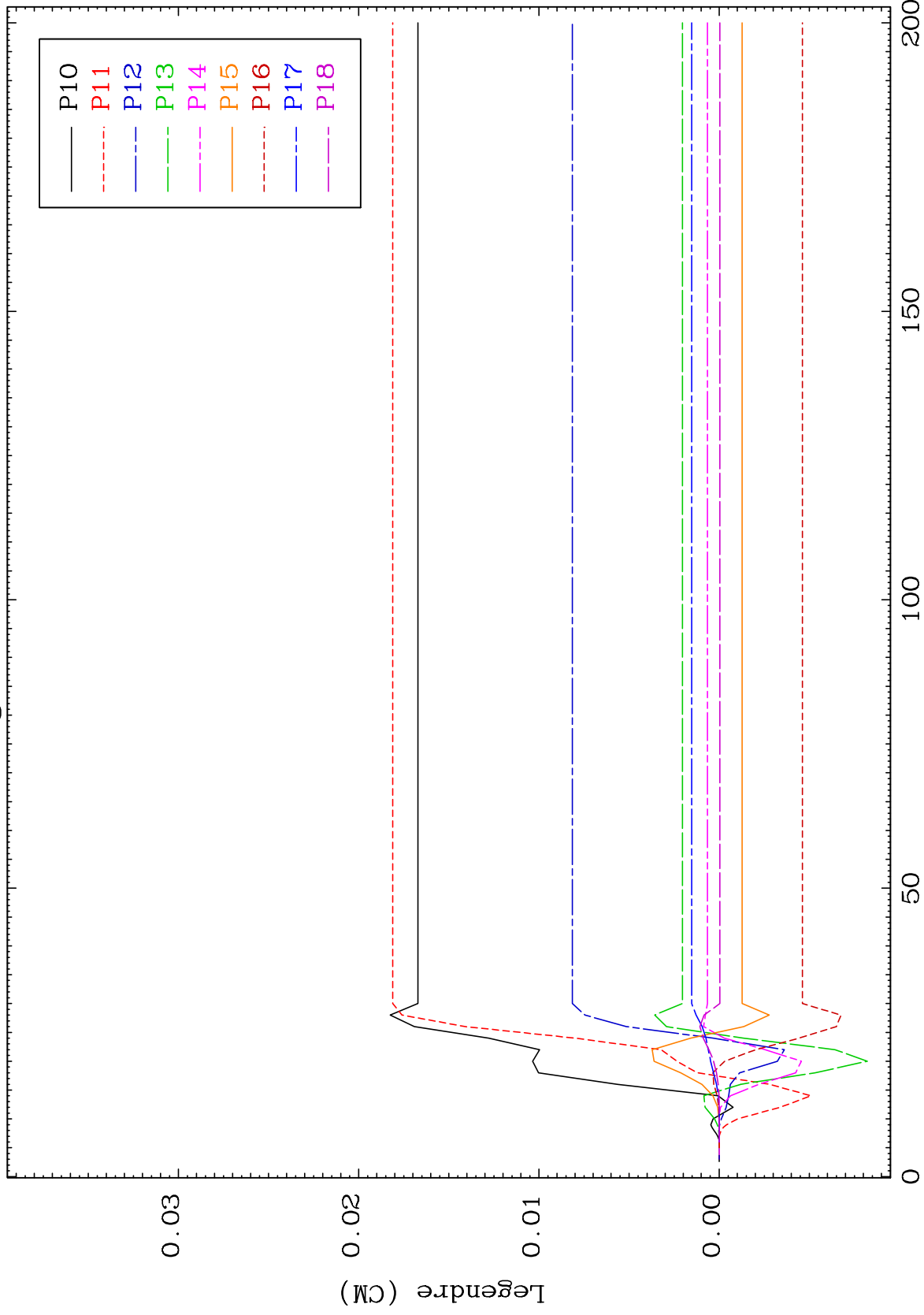
Incident Energy (MeV)

92

MAT 5834

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

58-Ce-139



93

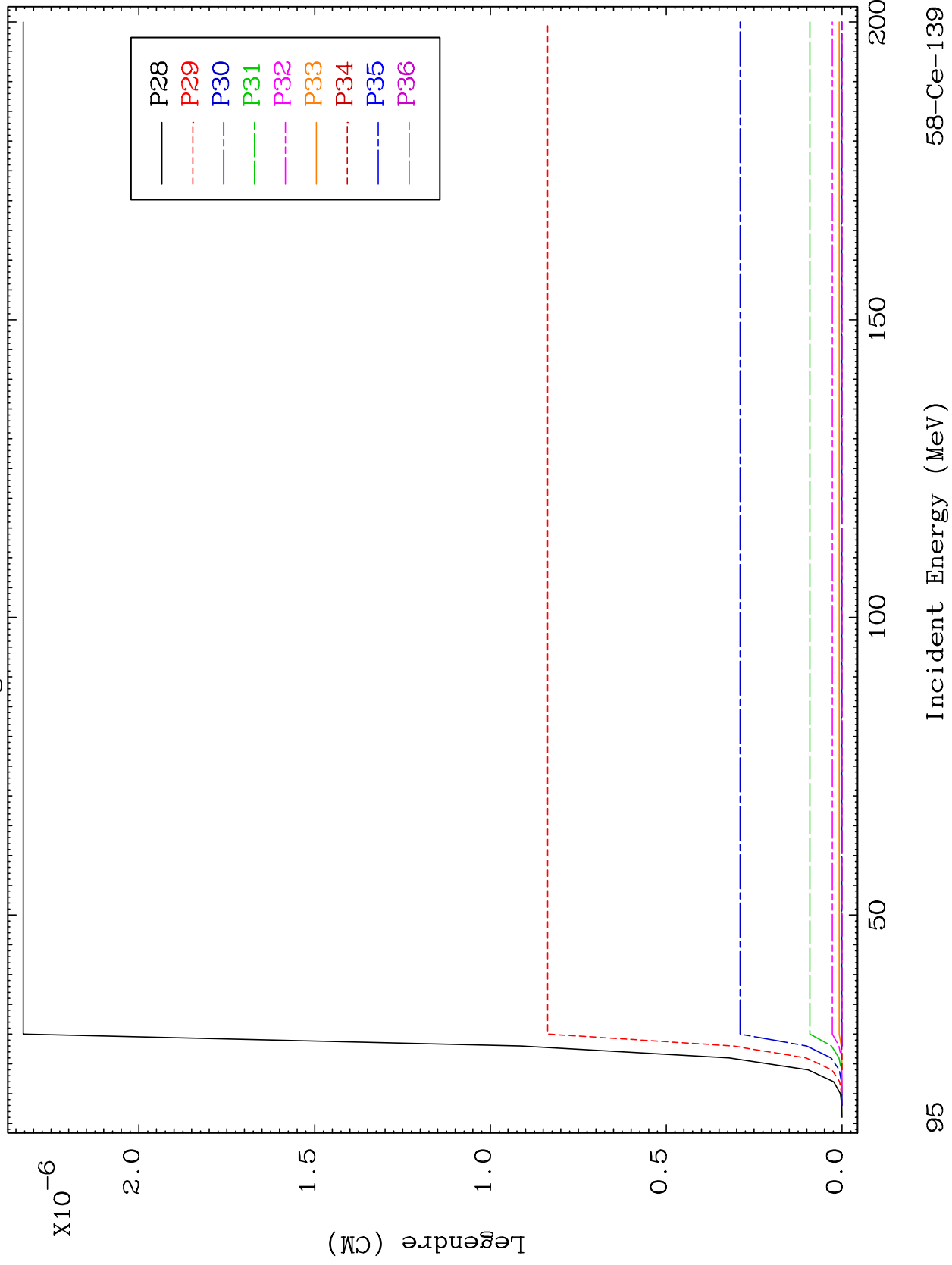
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



95

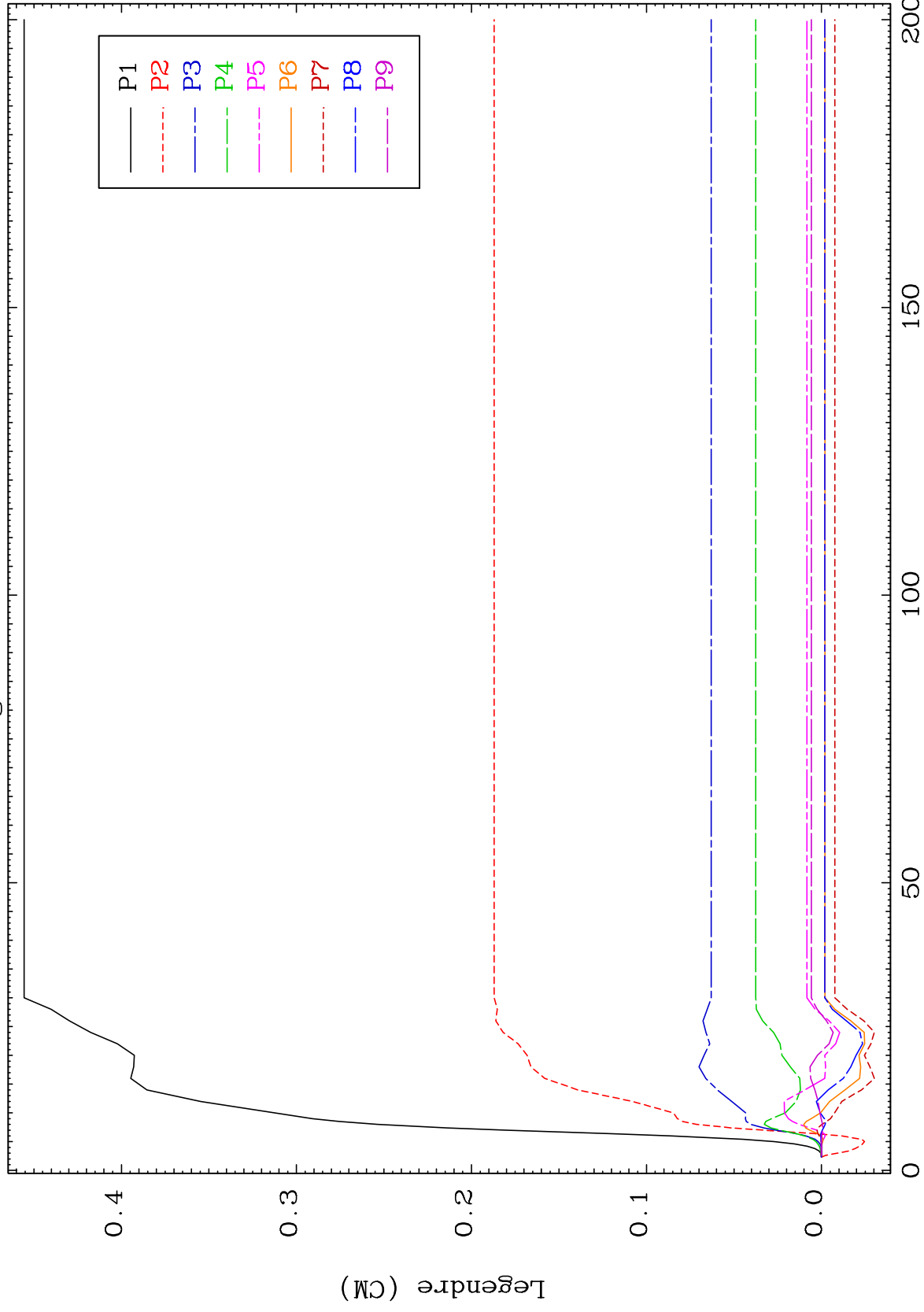
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



96

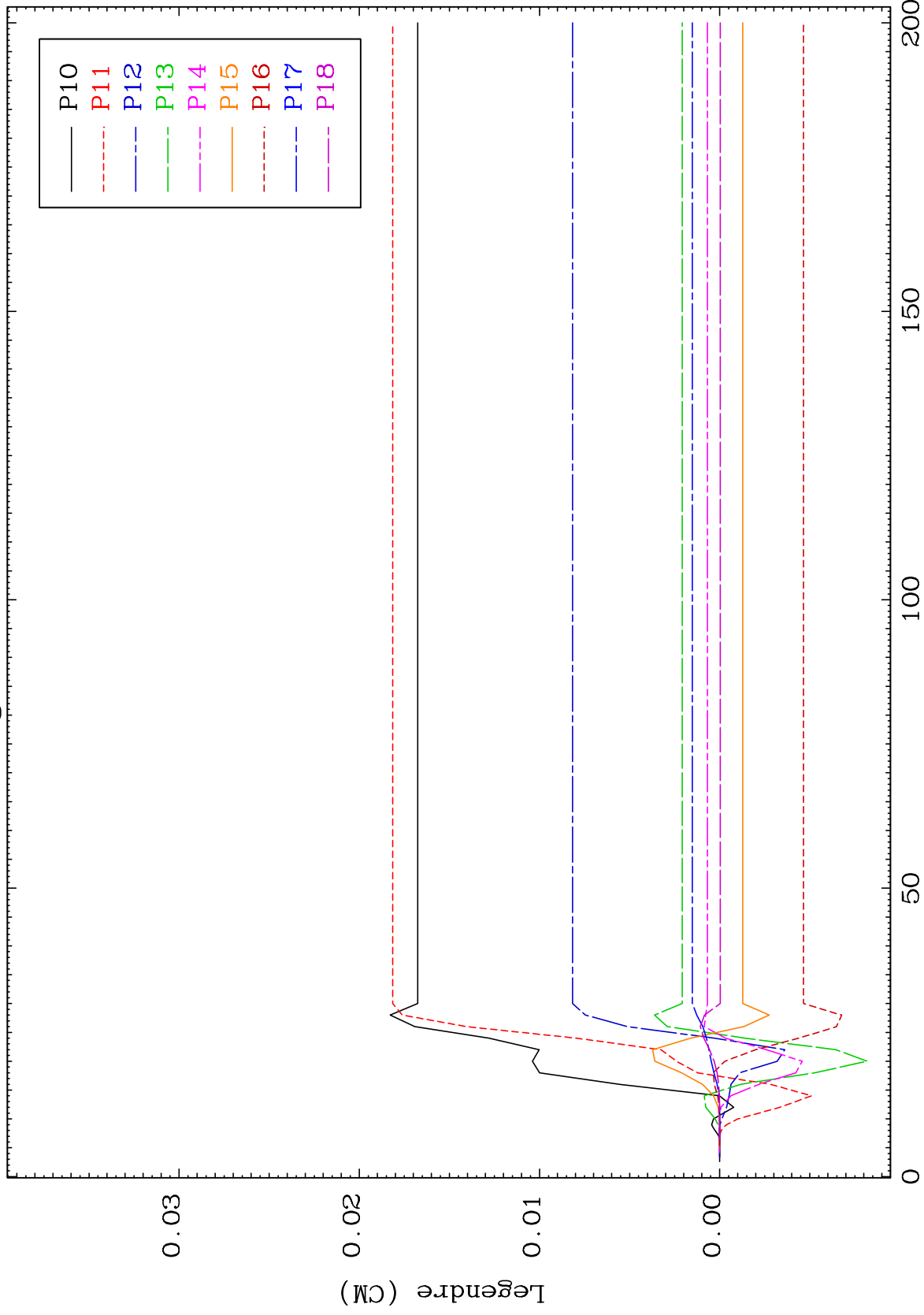
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



97

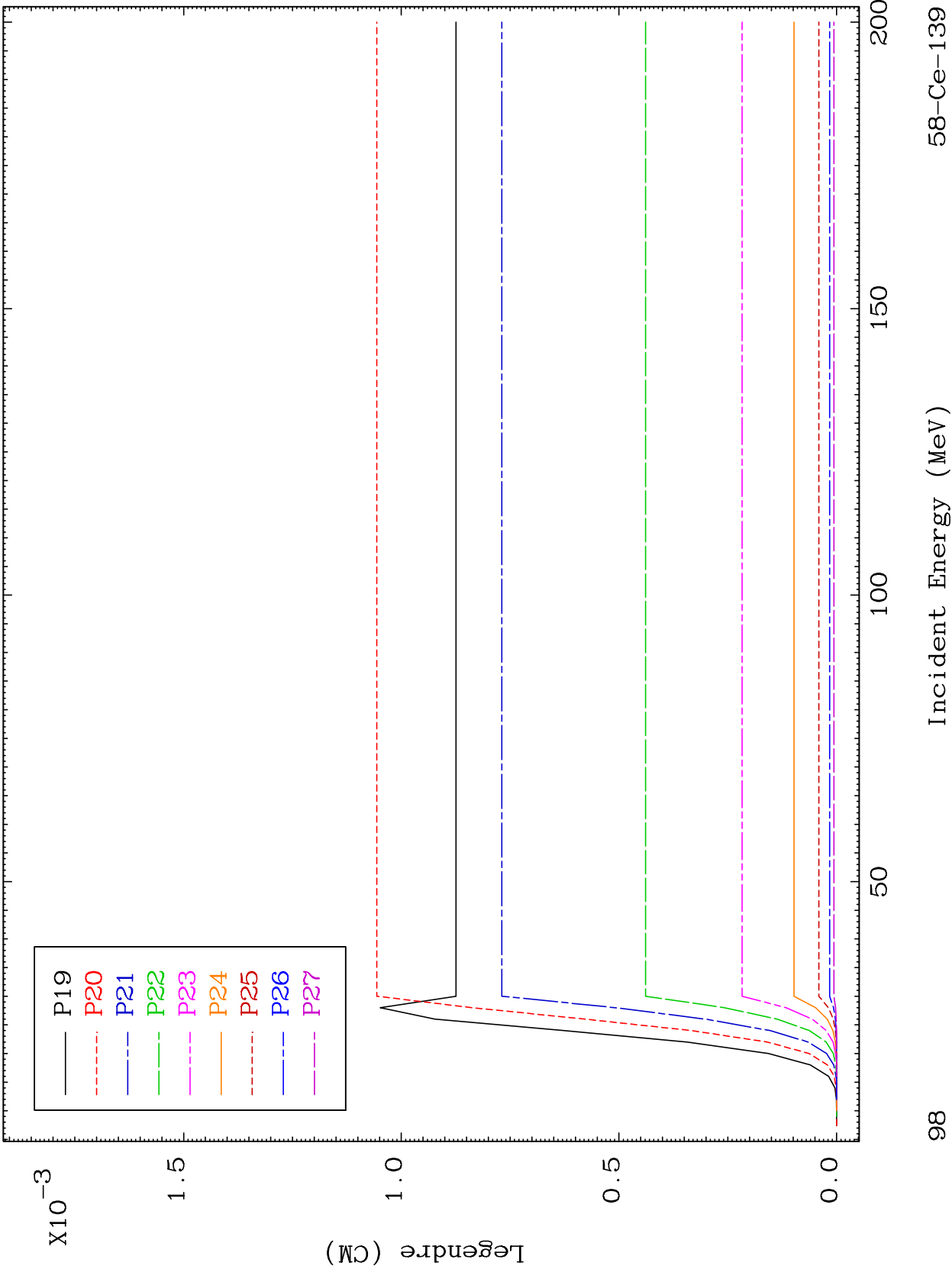
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

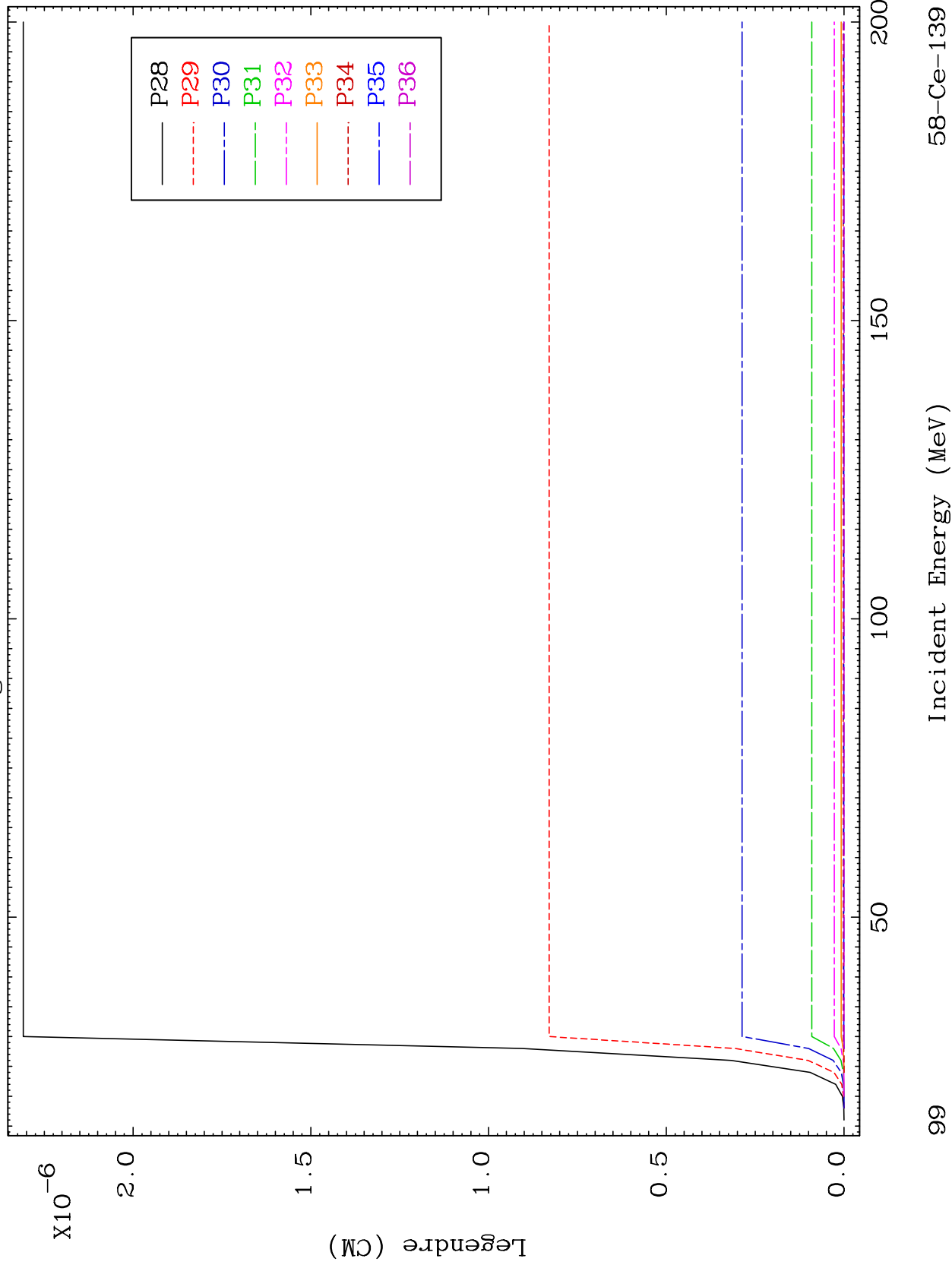
58-Ce-139



MAT 5834

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

58-Ce-139



99

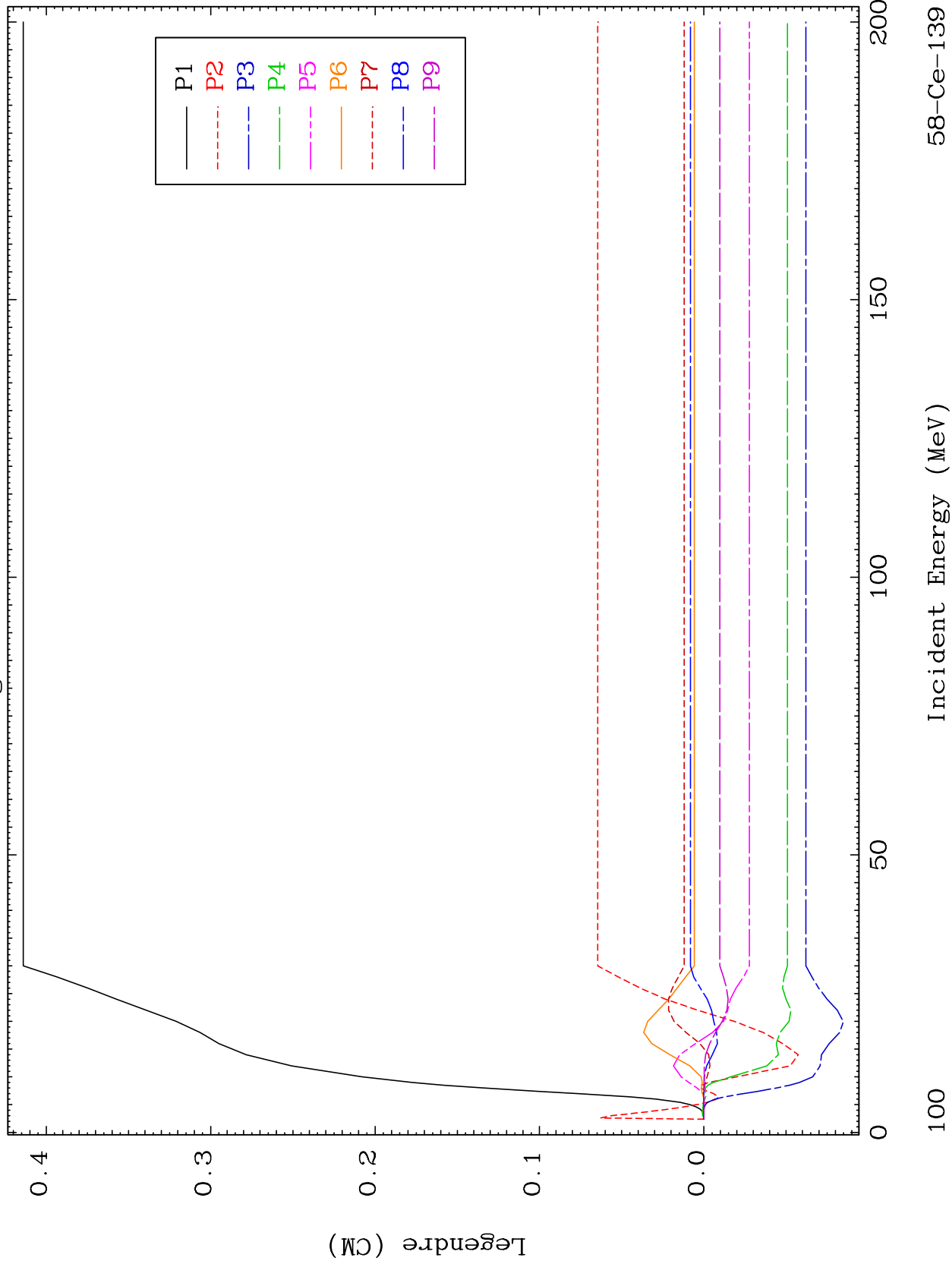
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

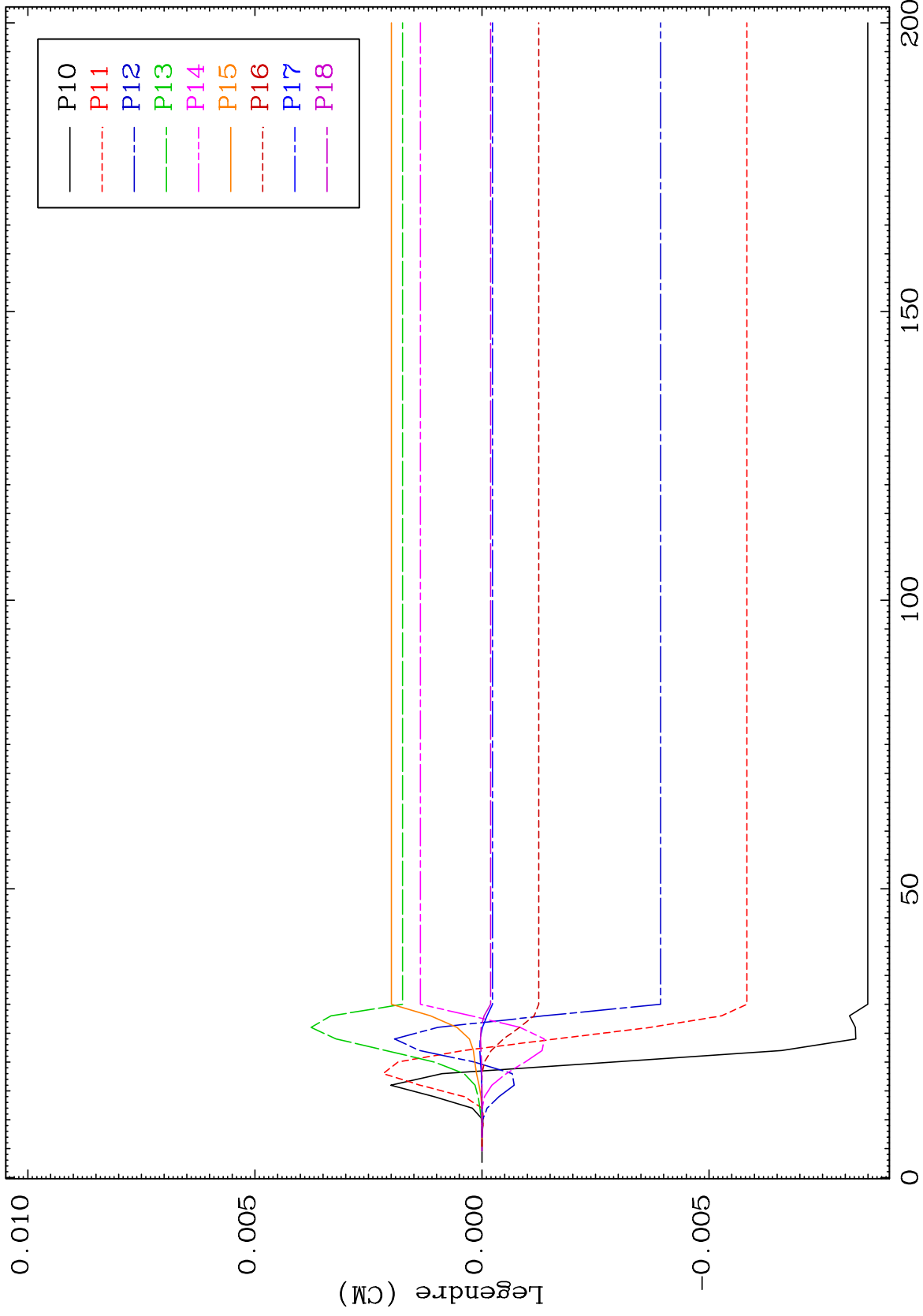


58-Ce-139

MAT 5834

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

58-Ce-139



101

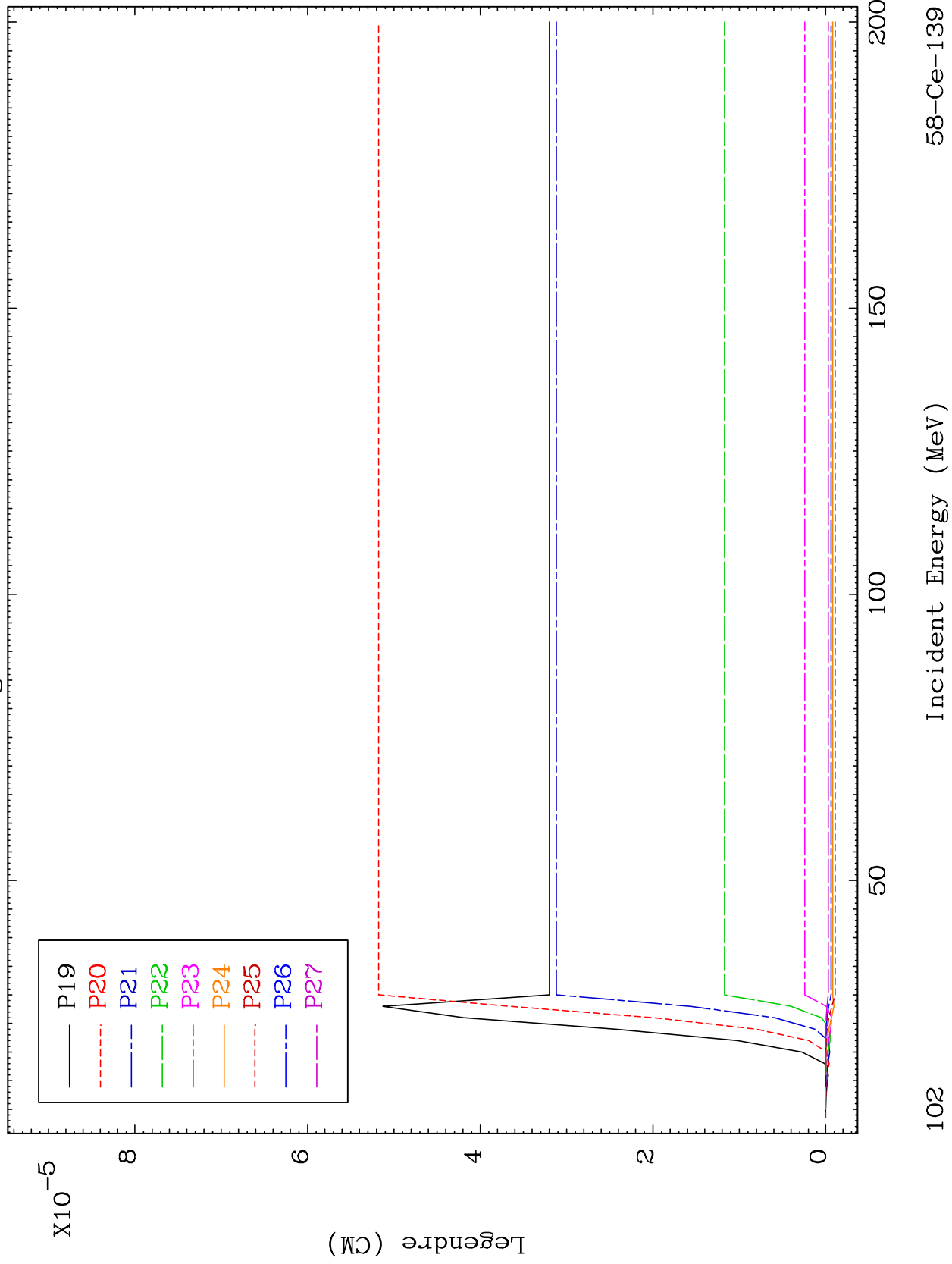
Incident Energy (MeV)

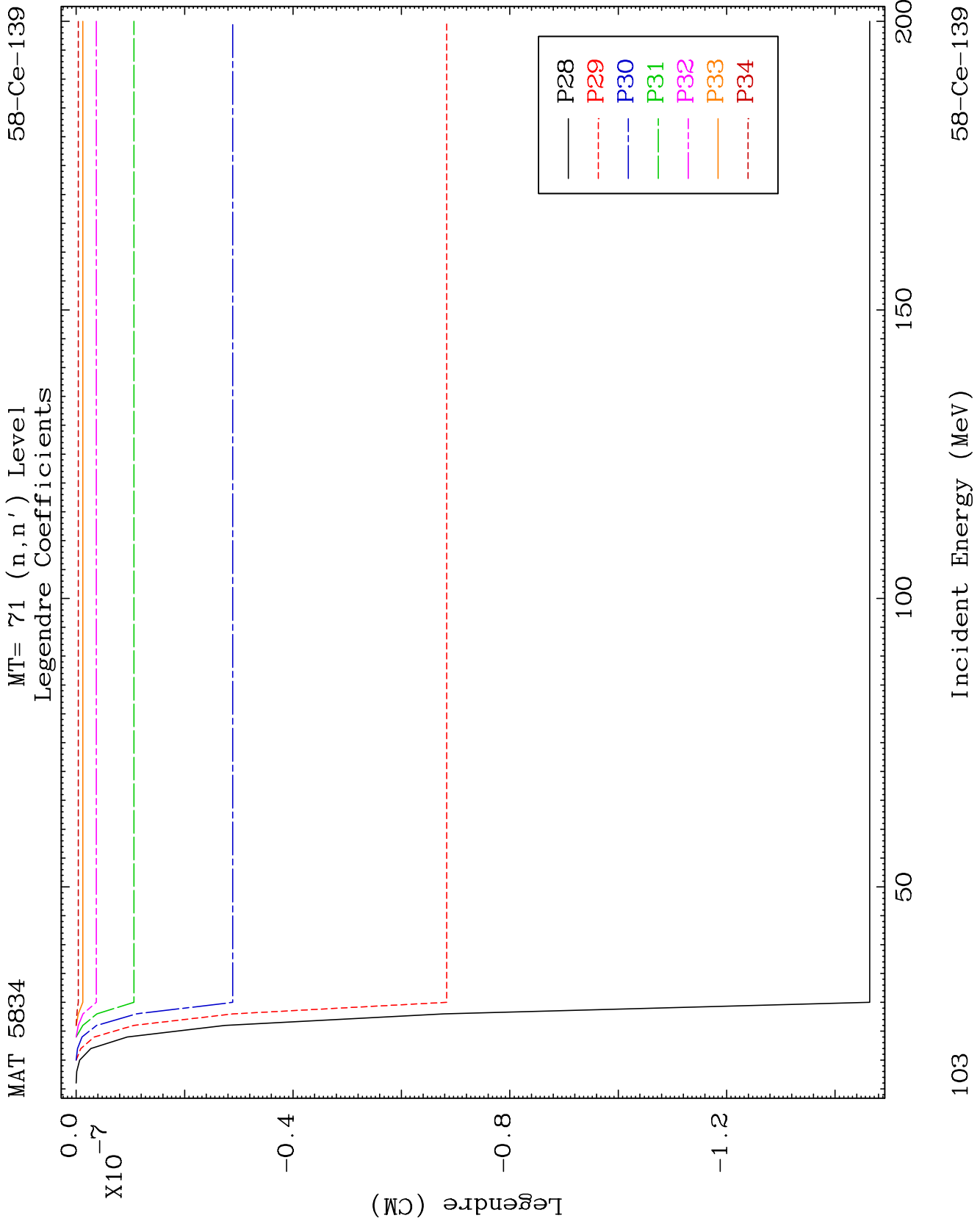
58-Ce-139

MAT 5834

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

58-Ce-139

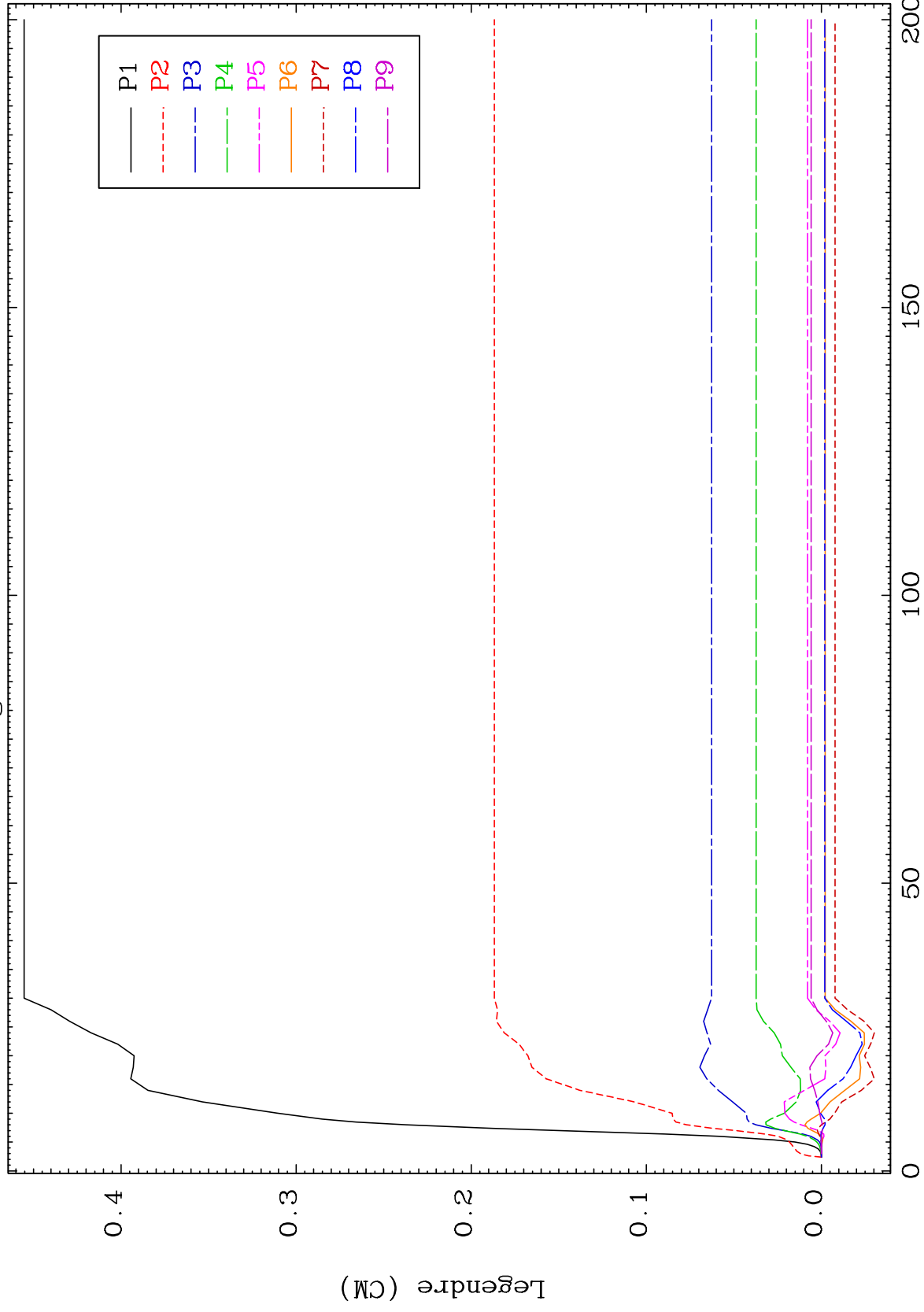




MAT 5834

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

58-Ce-139



104

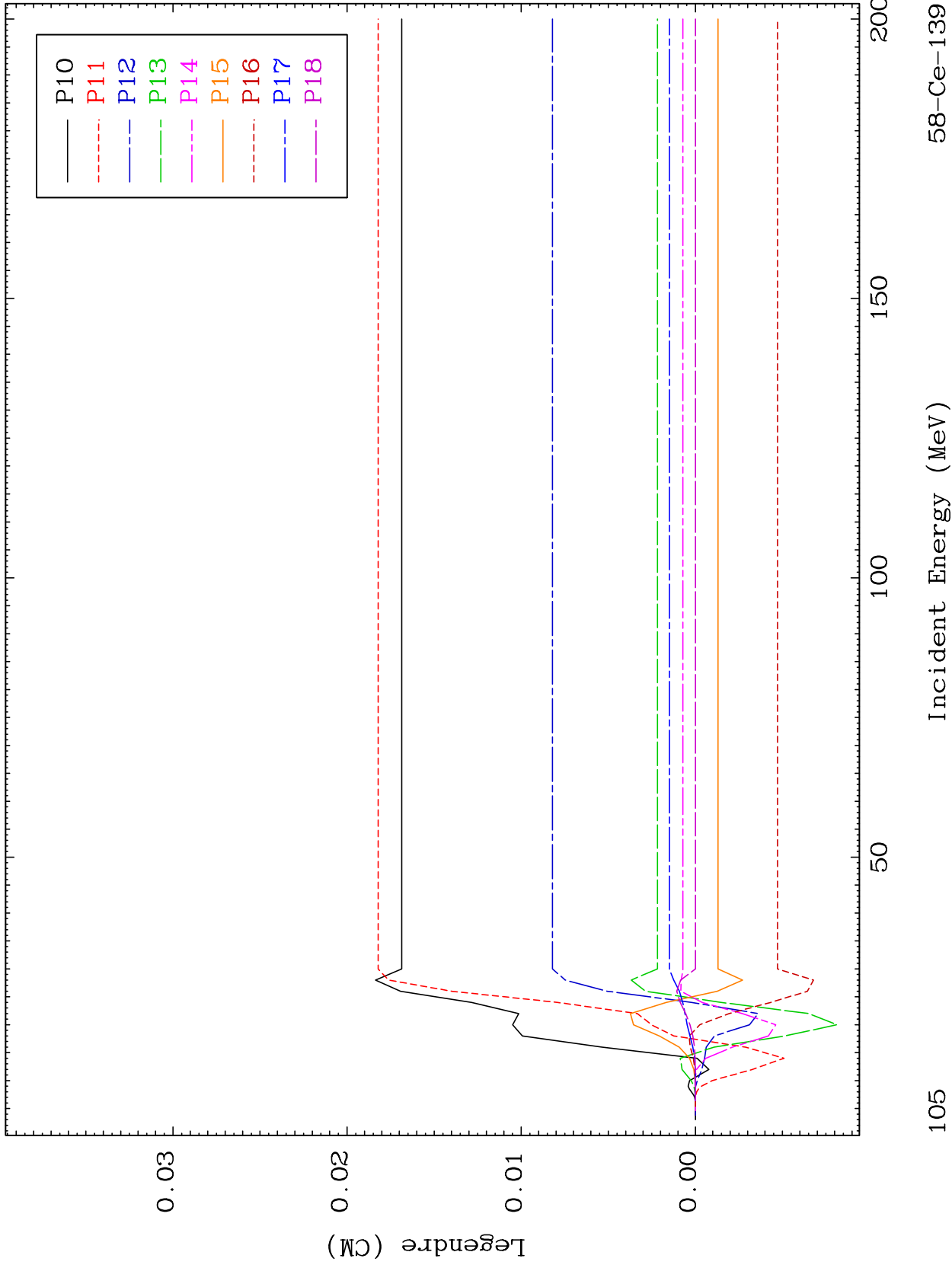
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

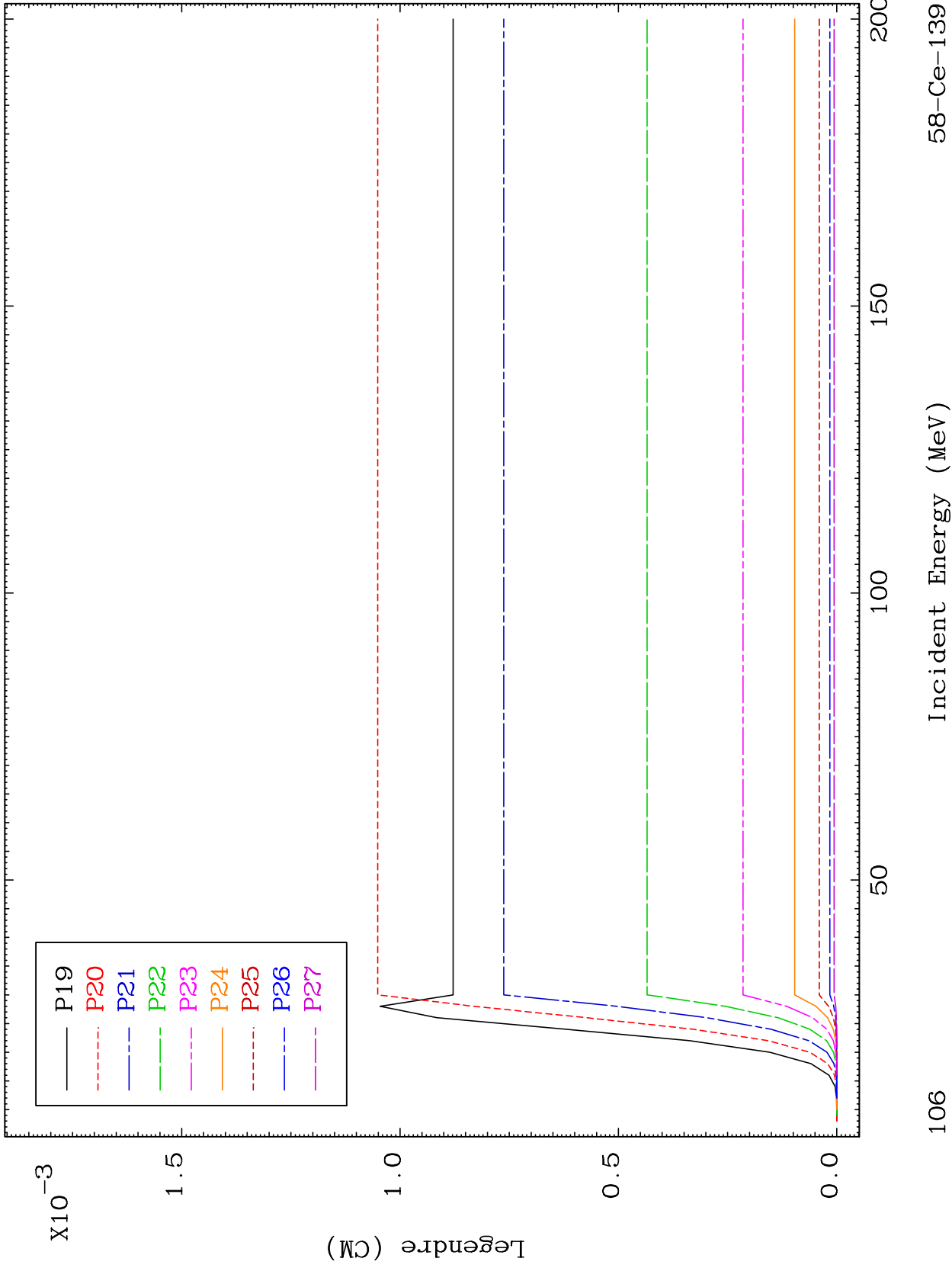
58-Ce-139



MAT 5834

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

58-Ce-139



106

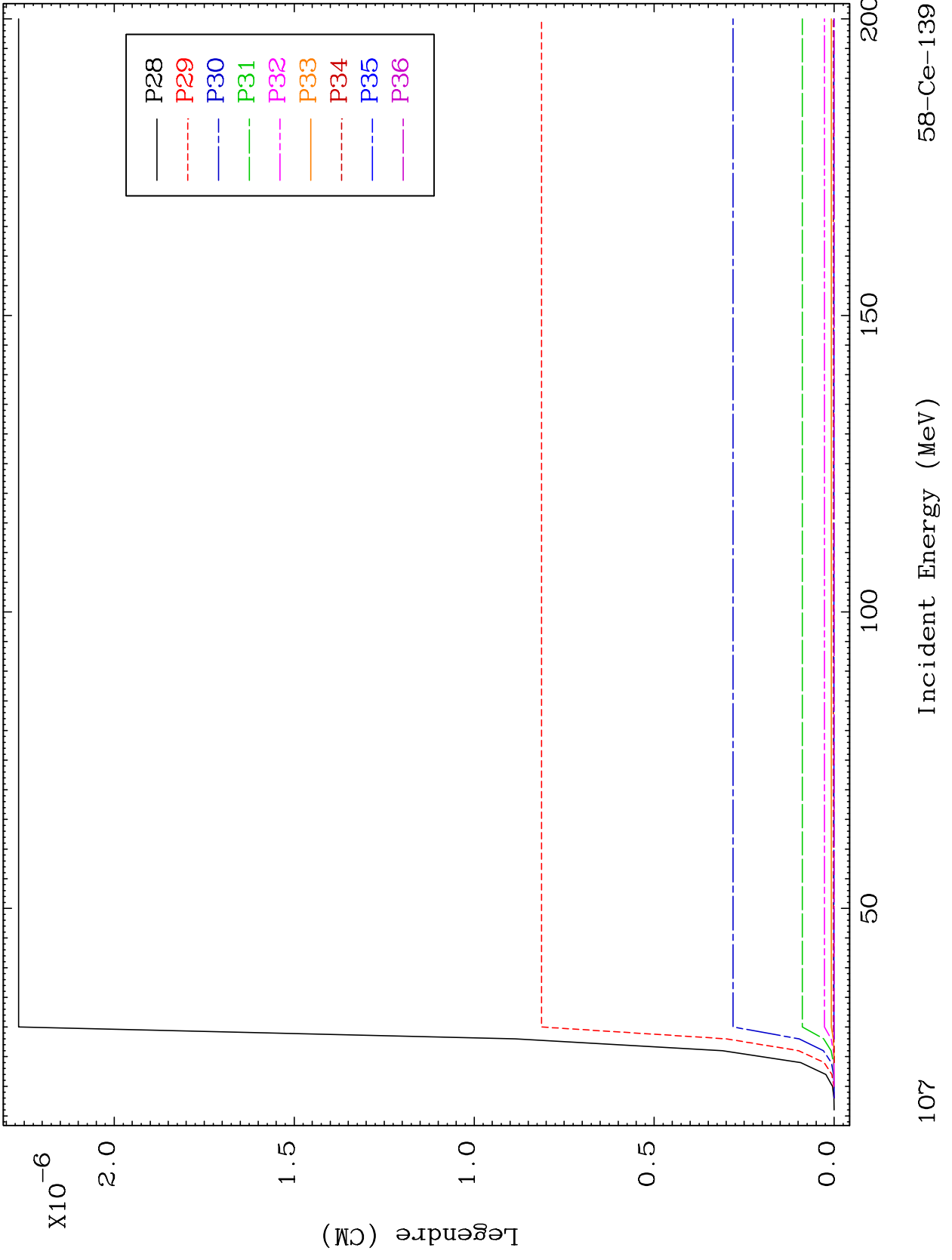
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

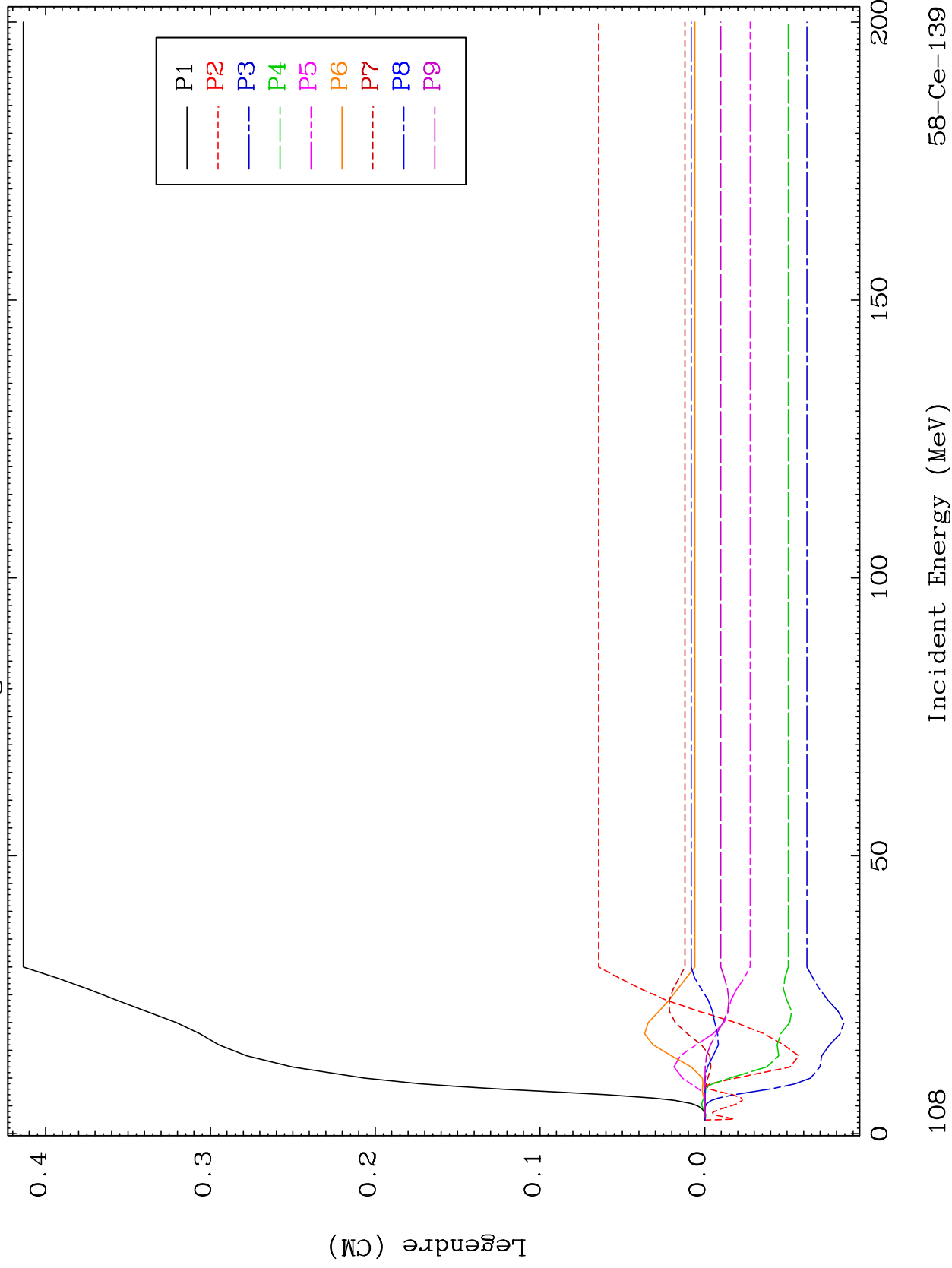


107

MAT 5834

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

58-Ce-139



58-Ce-139

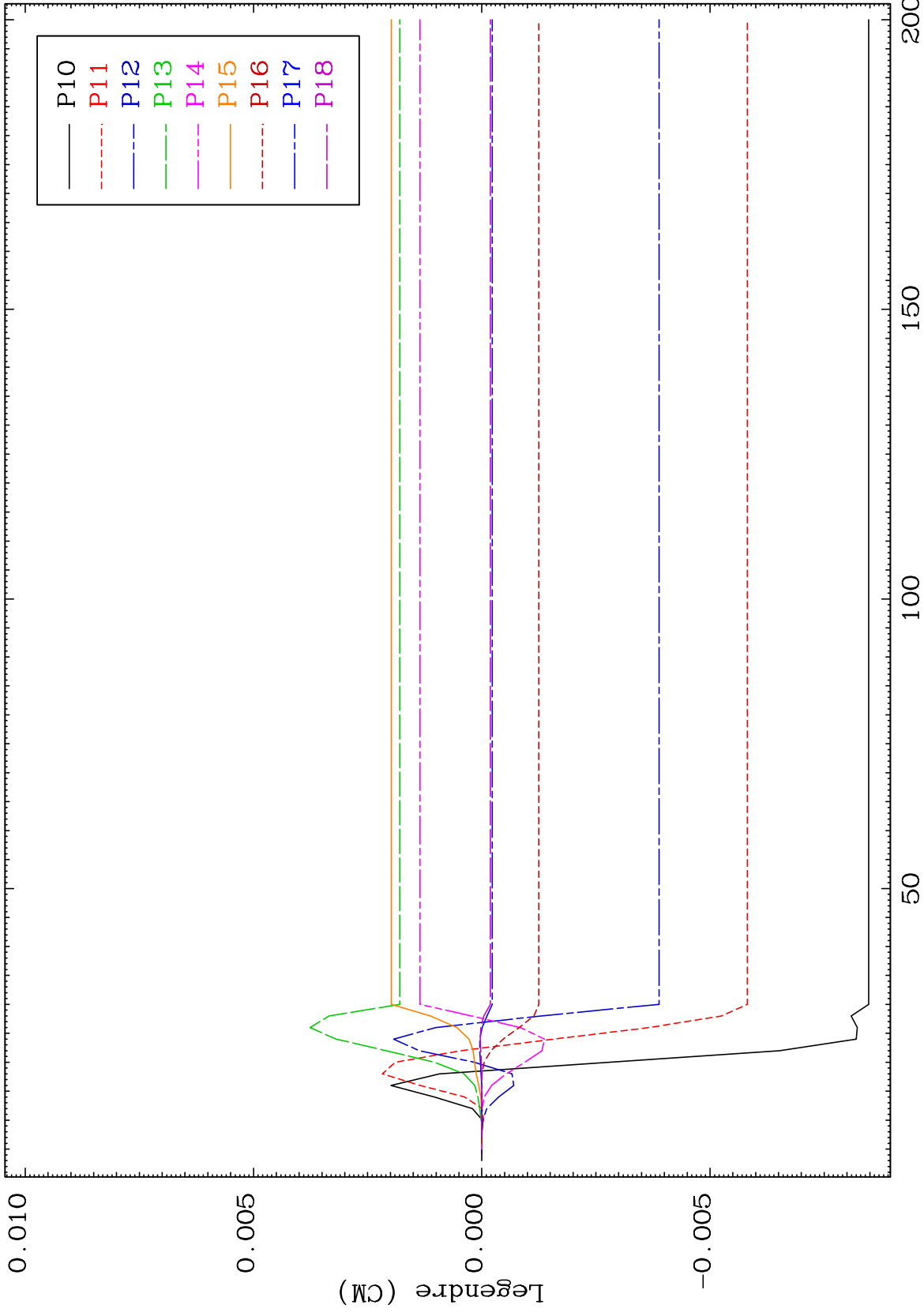
Incident Energy (MeV)

108

MAT 5834

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

58-Ce-139



109

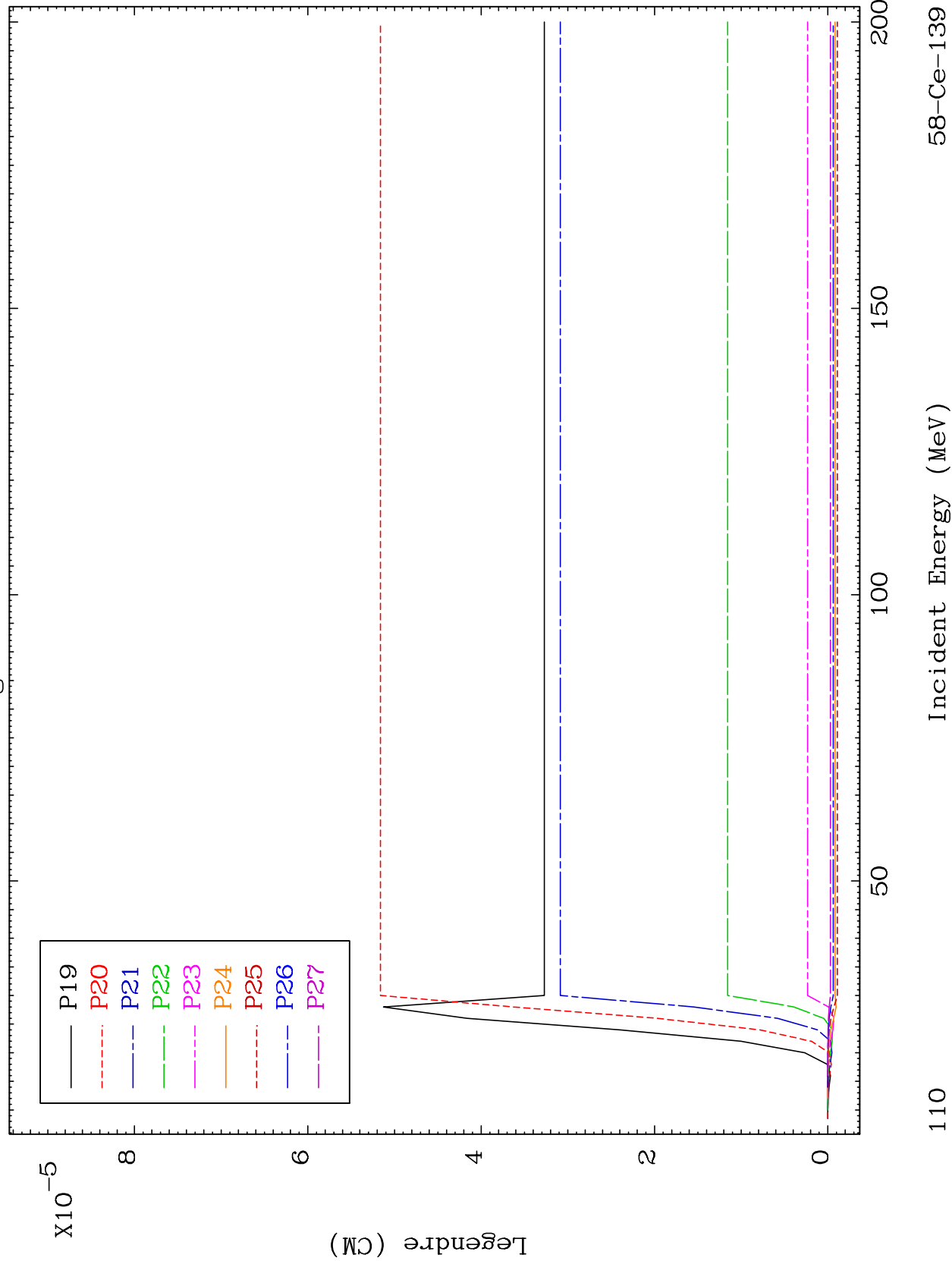
Incident Energy (MeV)

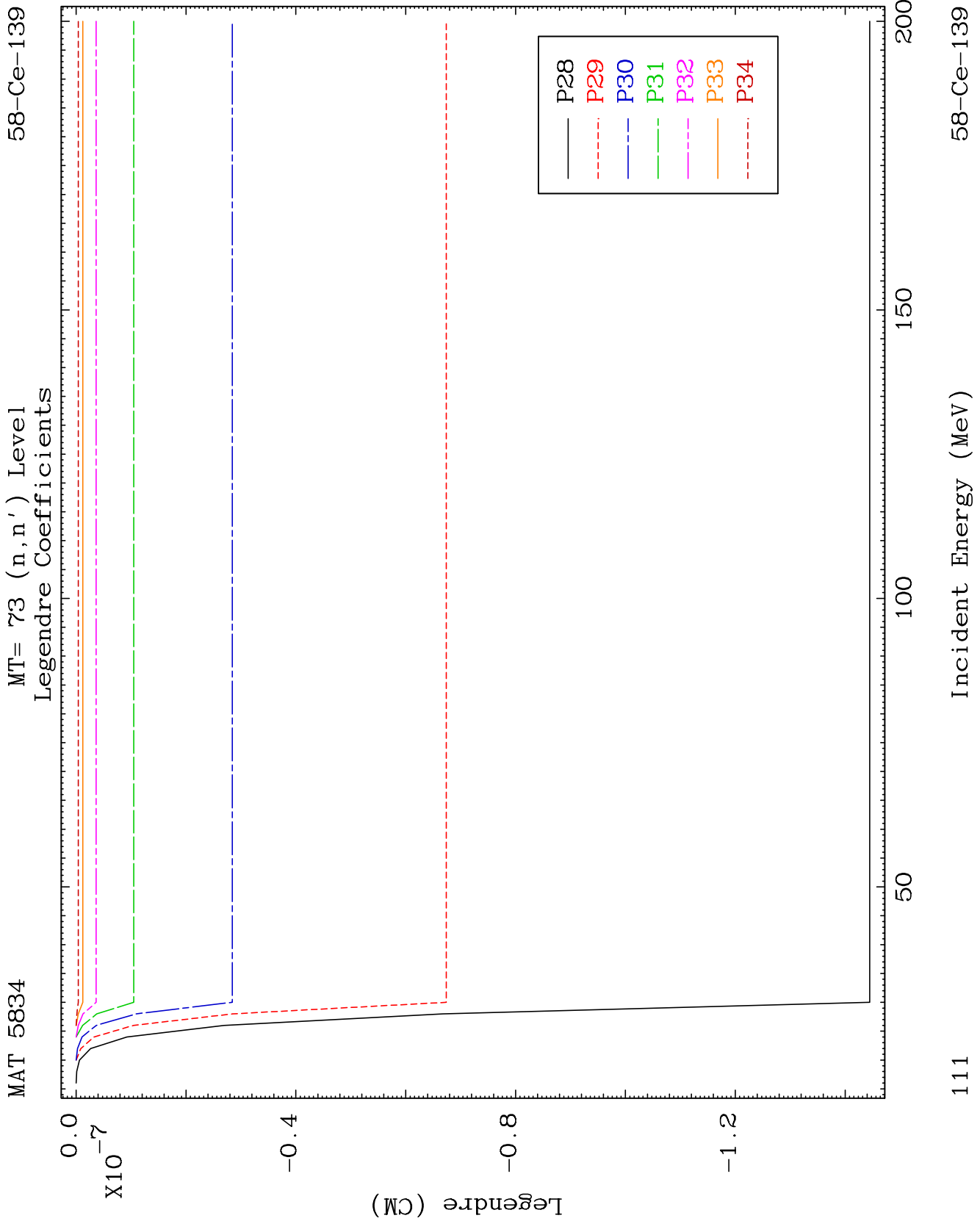
58-Ce-139

MAT 5834

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

58-Ce-139

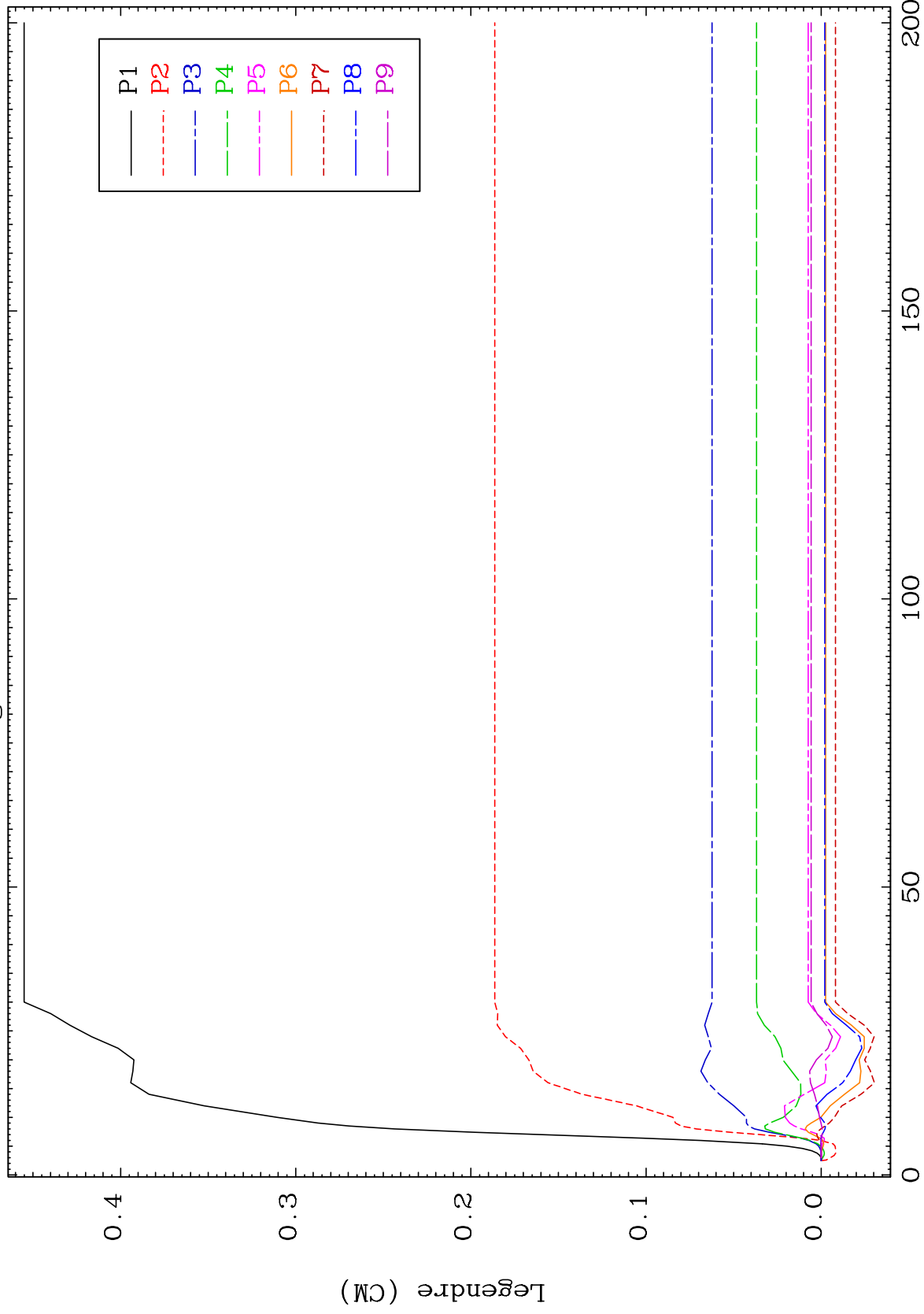




MAT 5834

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

58-Ce-139



112

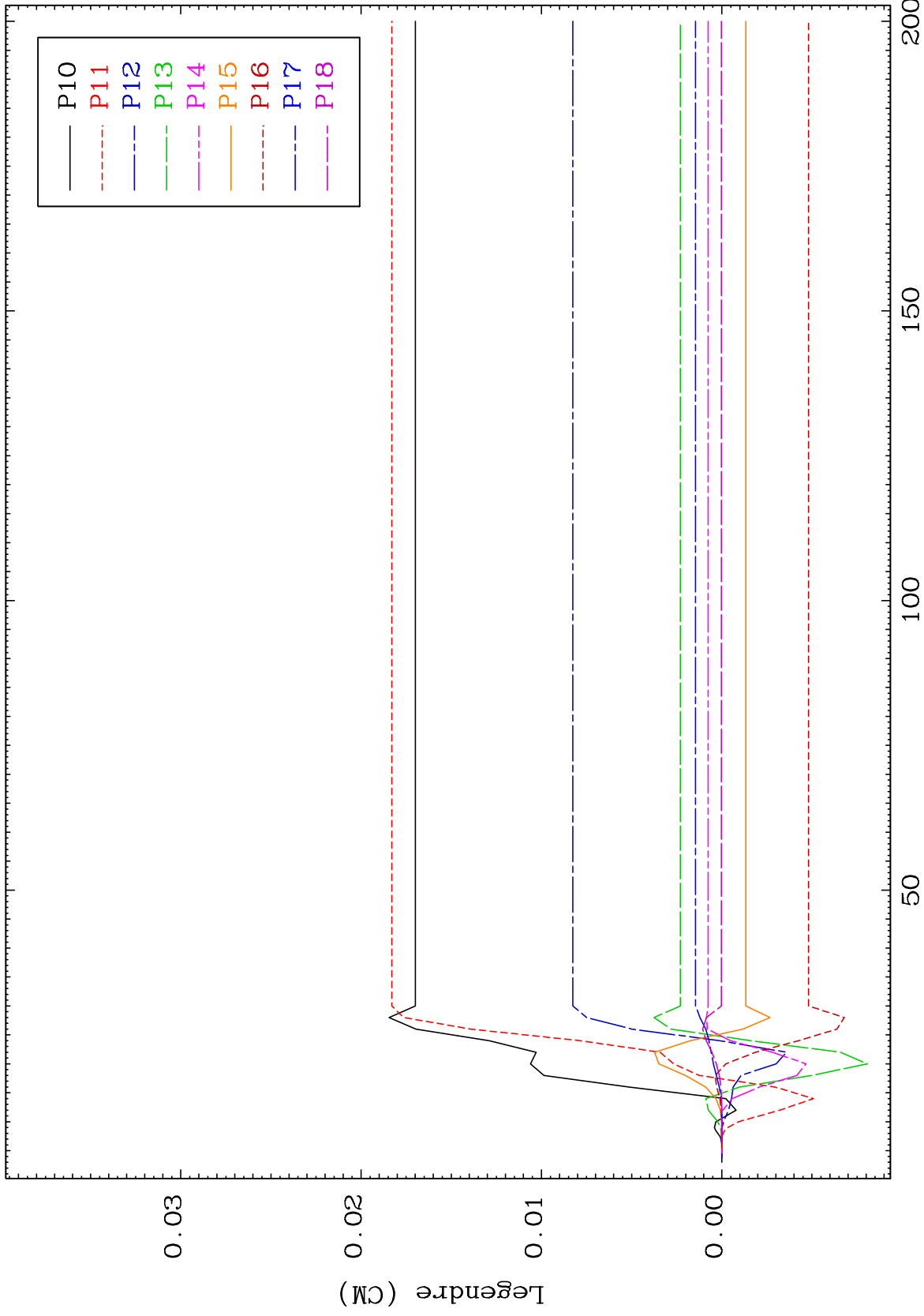
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

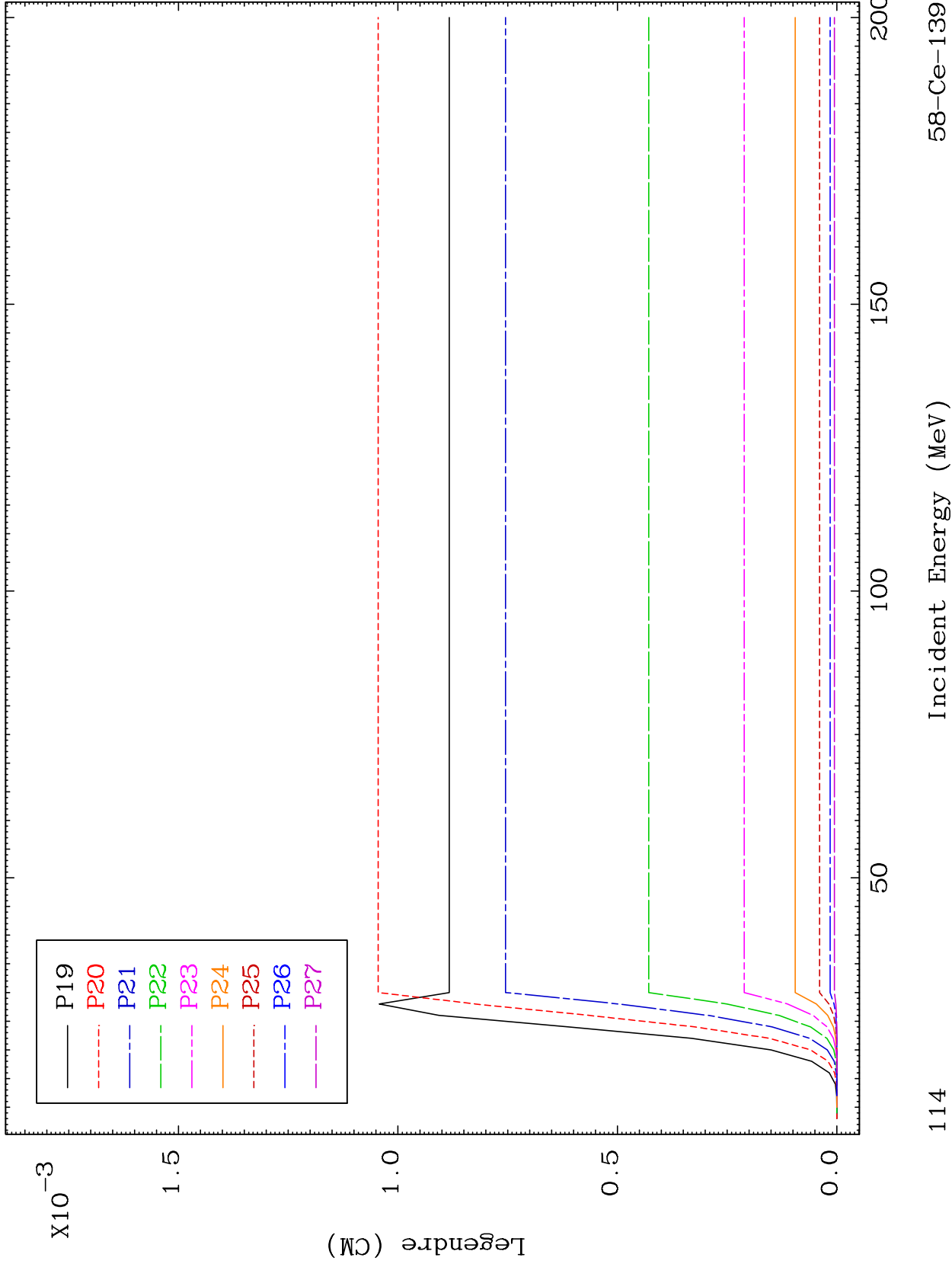
58-Ce-139



113

Incident Energy (MeV)

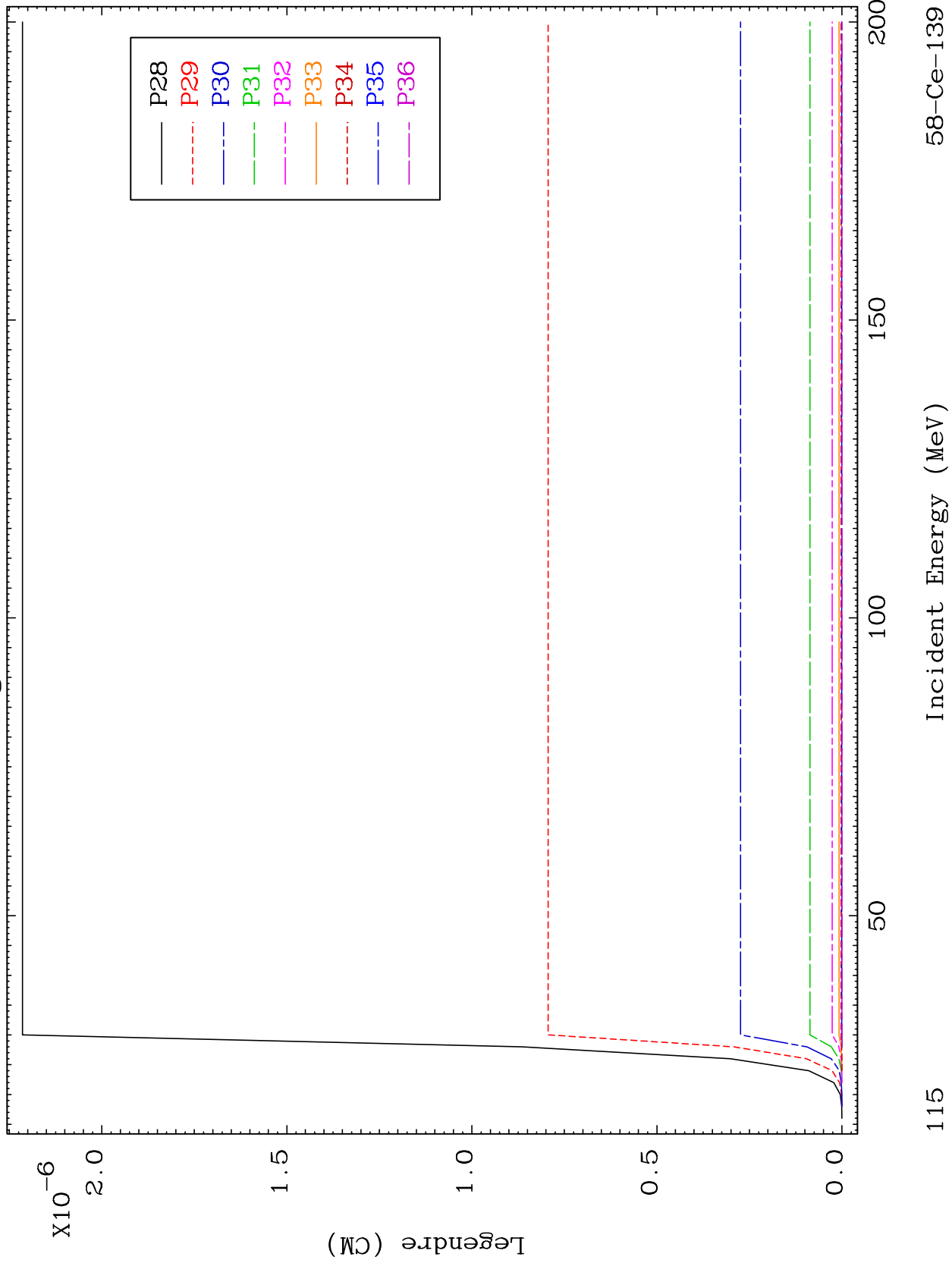
58-Ce-139



MAT 5834

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

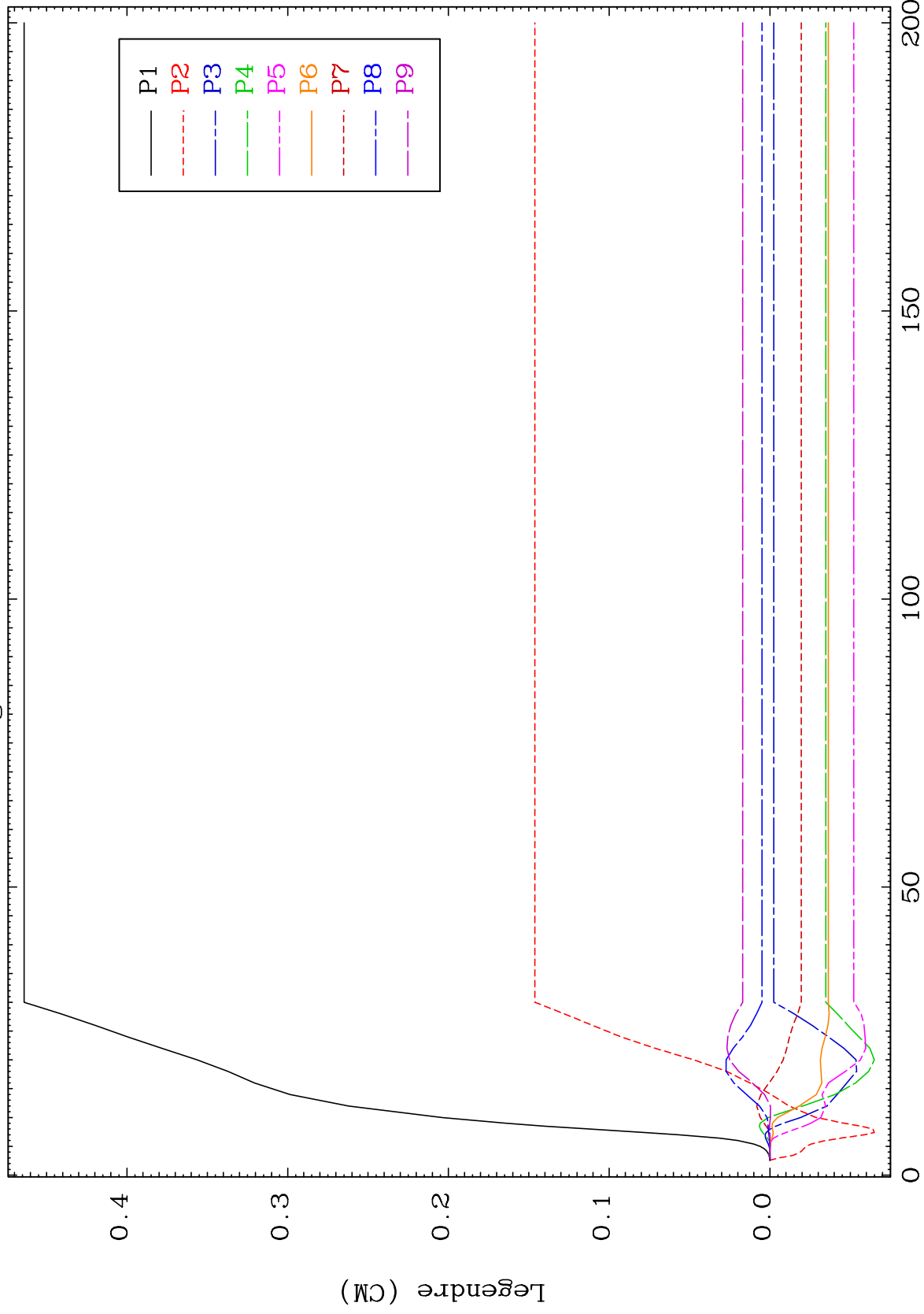
58-Ce-139



MAT 5834

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

58-Ce-139



116

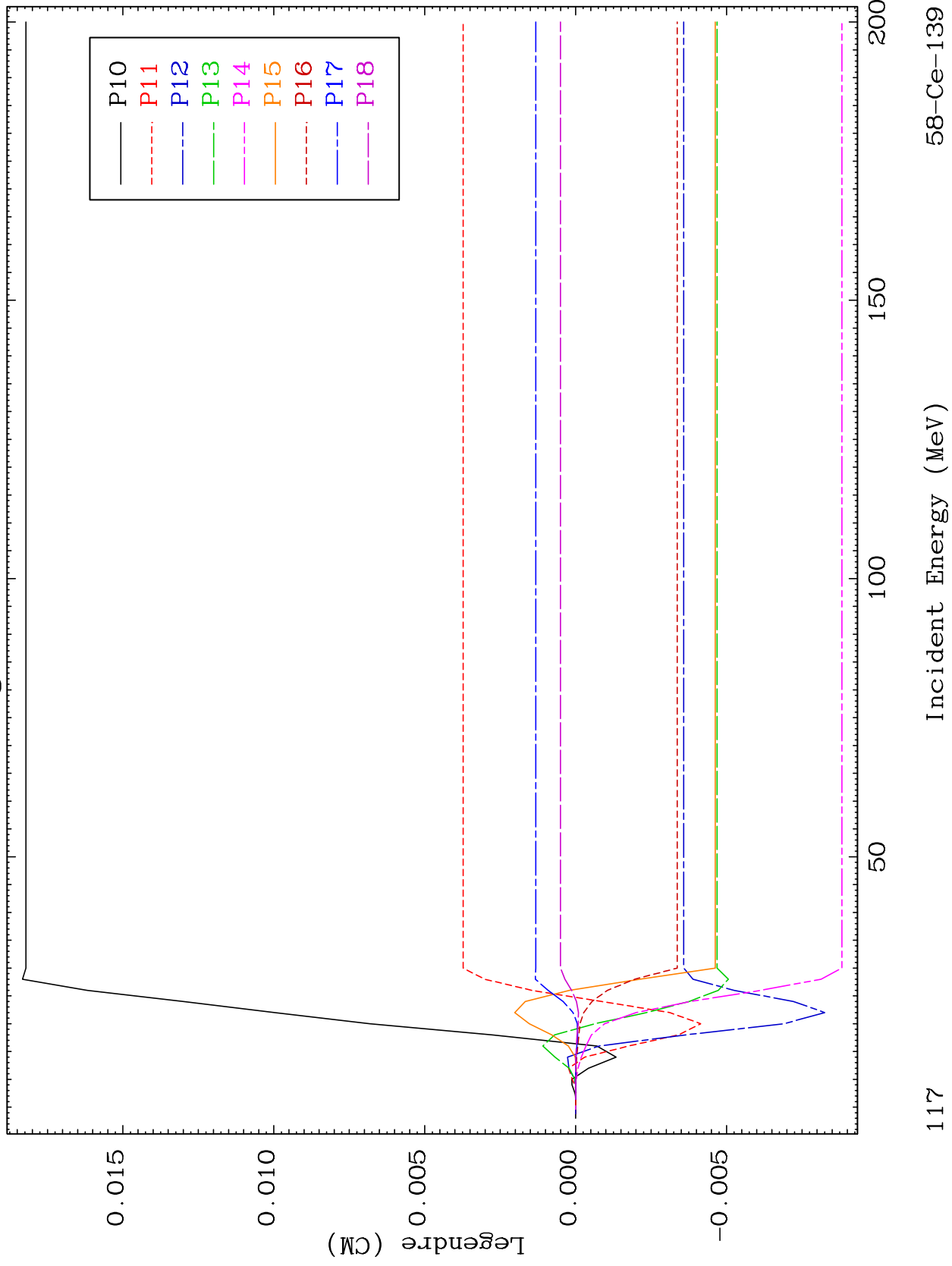
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



117

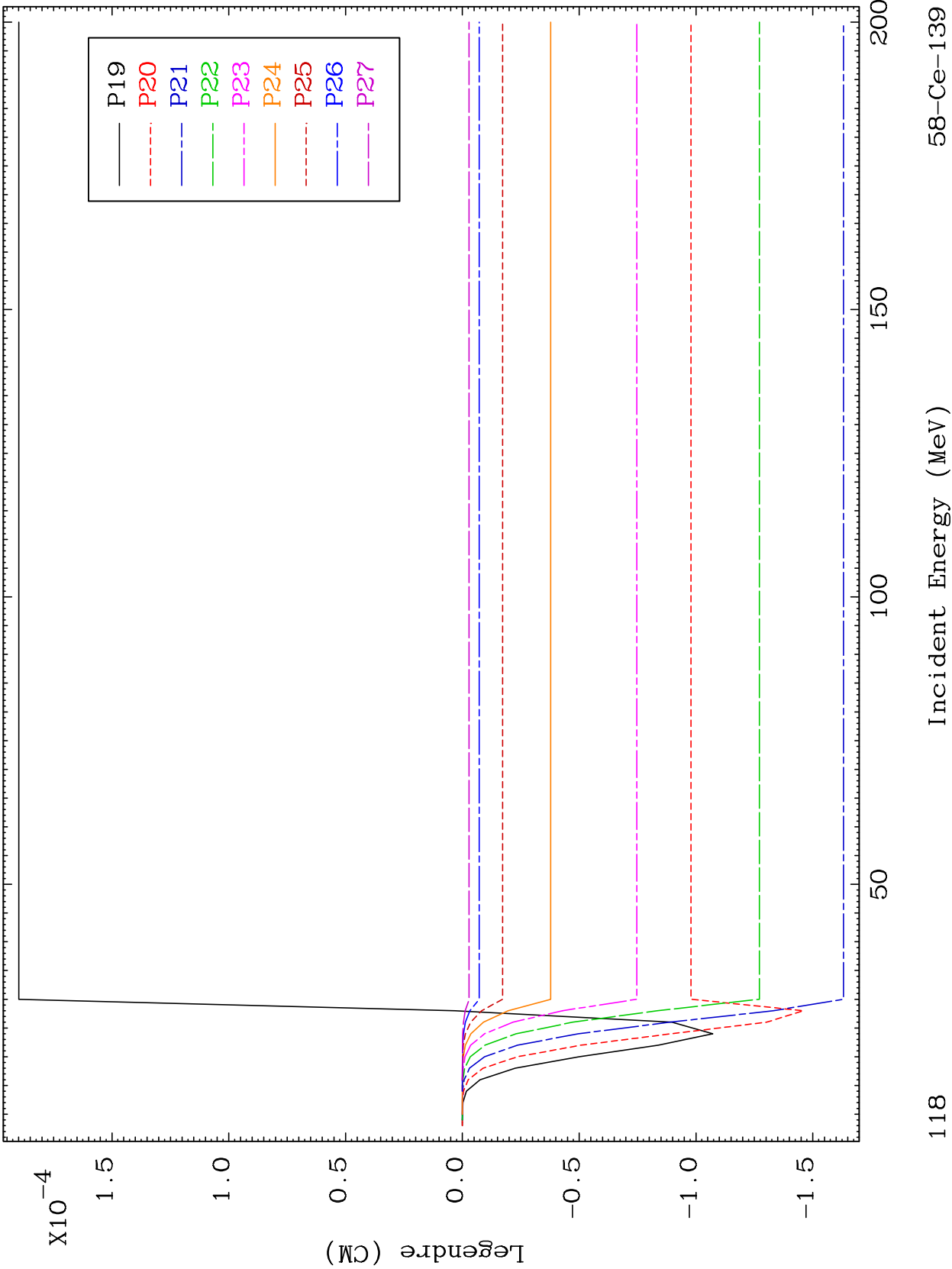
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



118

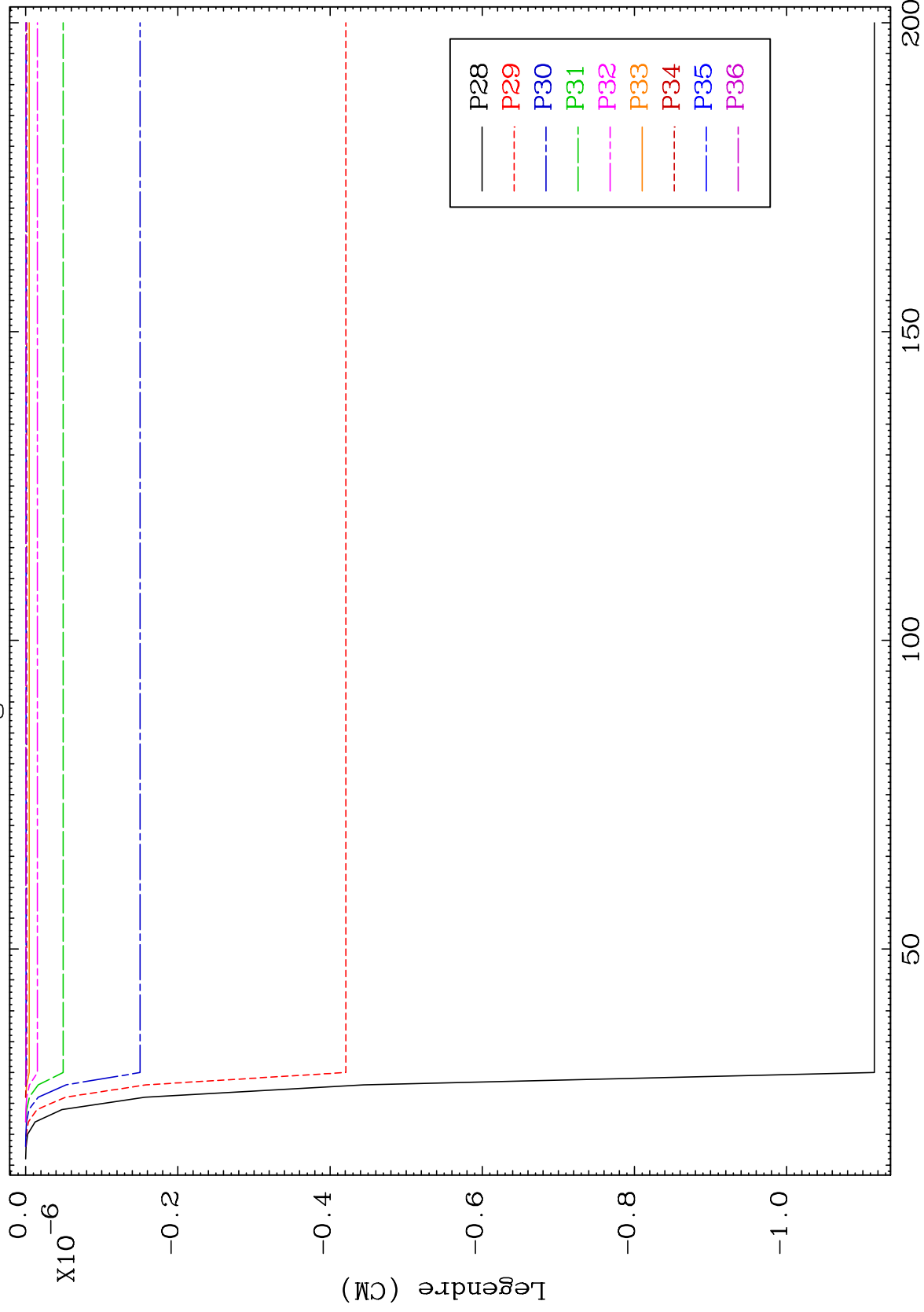
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



119

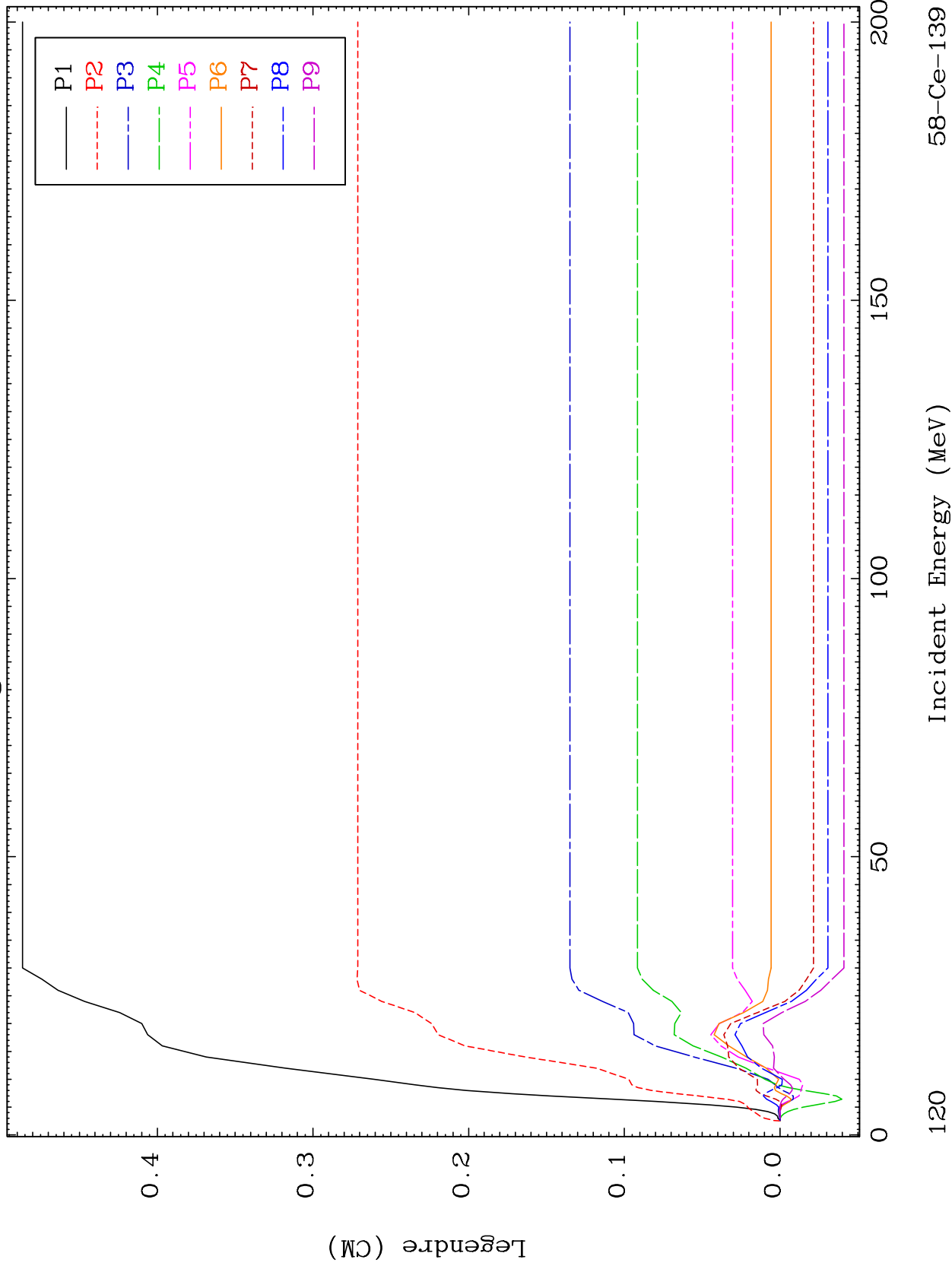
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

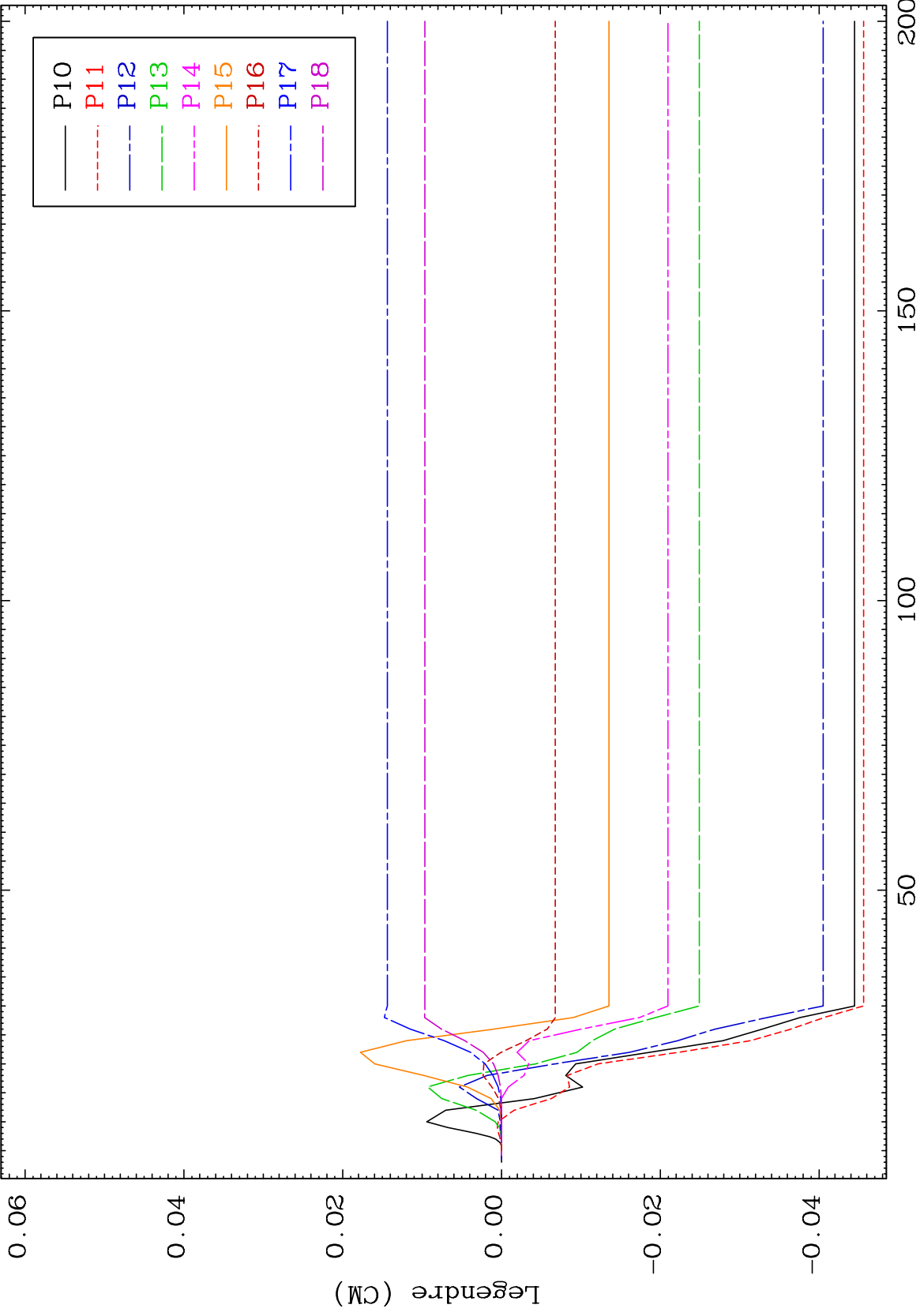


58-Ce-139

MAT 5834

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

58-Ce-139



121

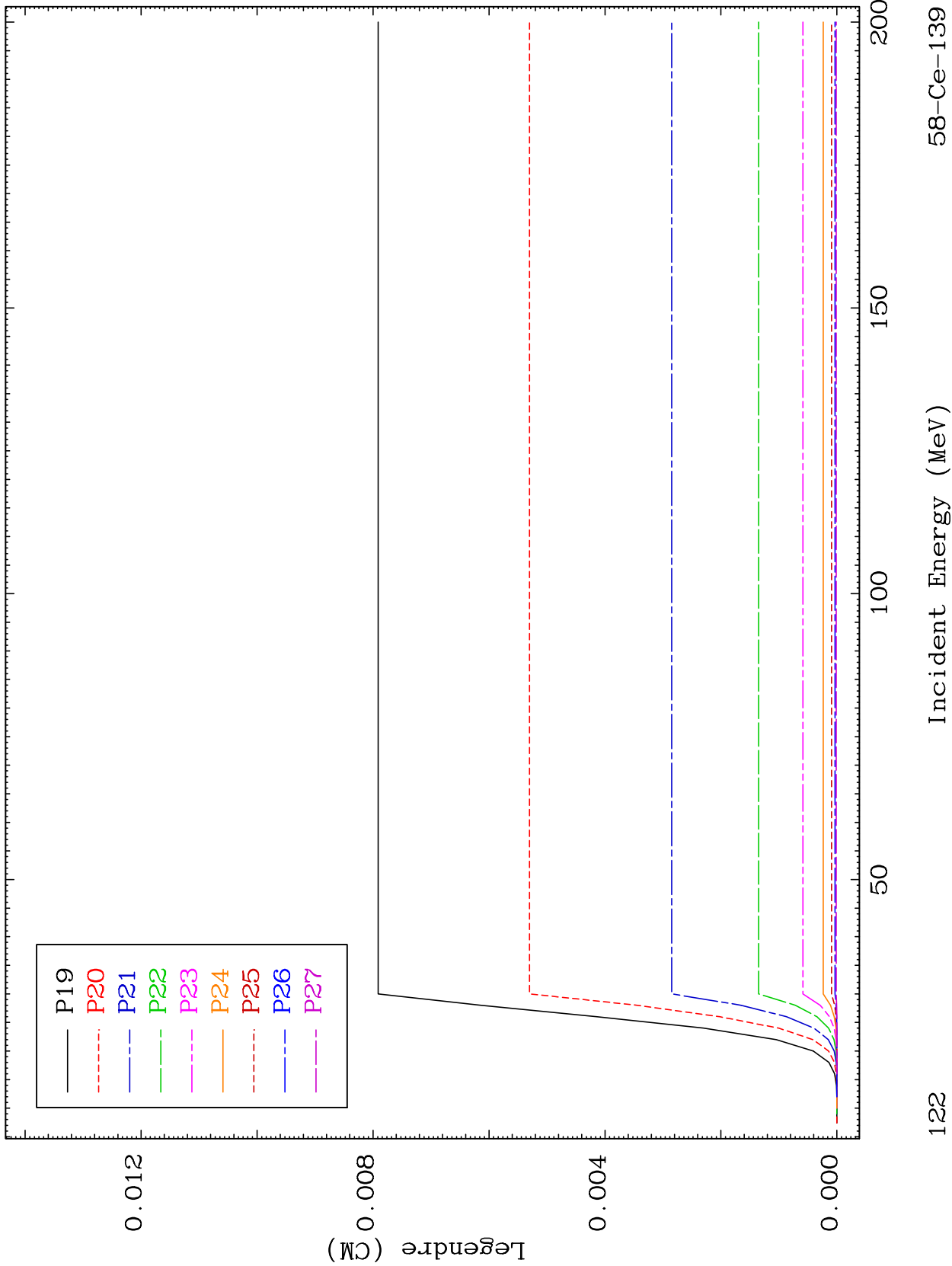
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



122

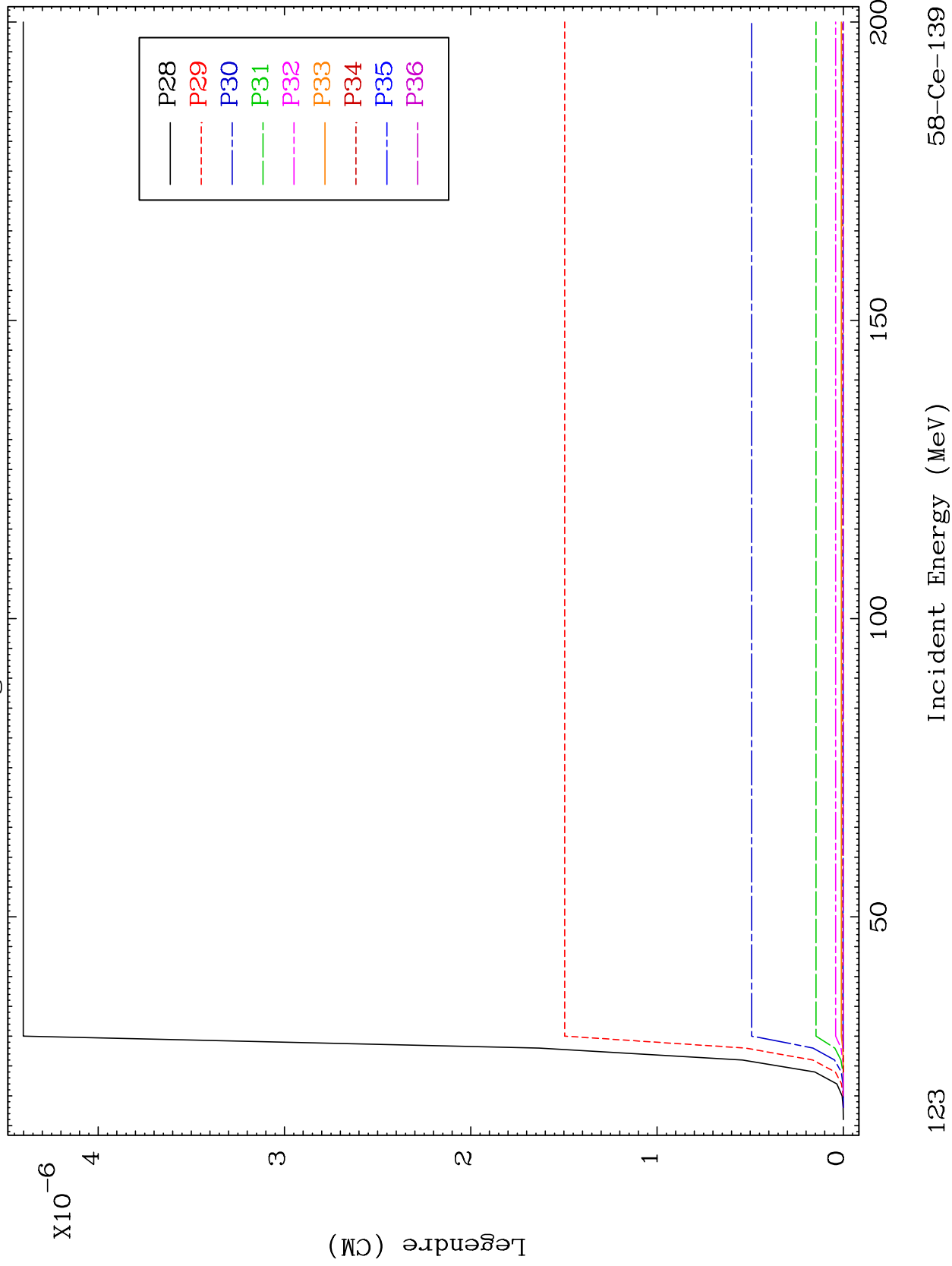
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139

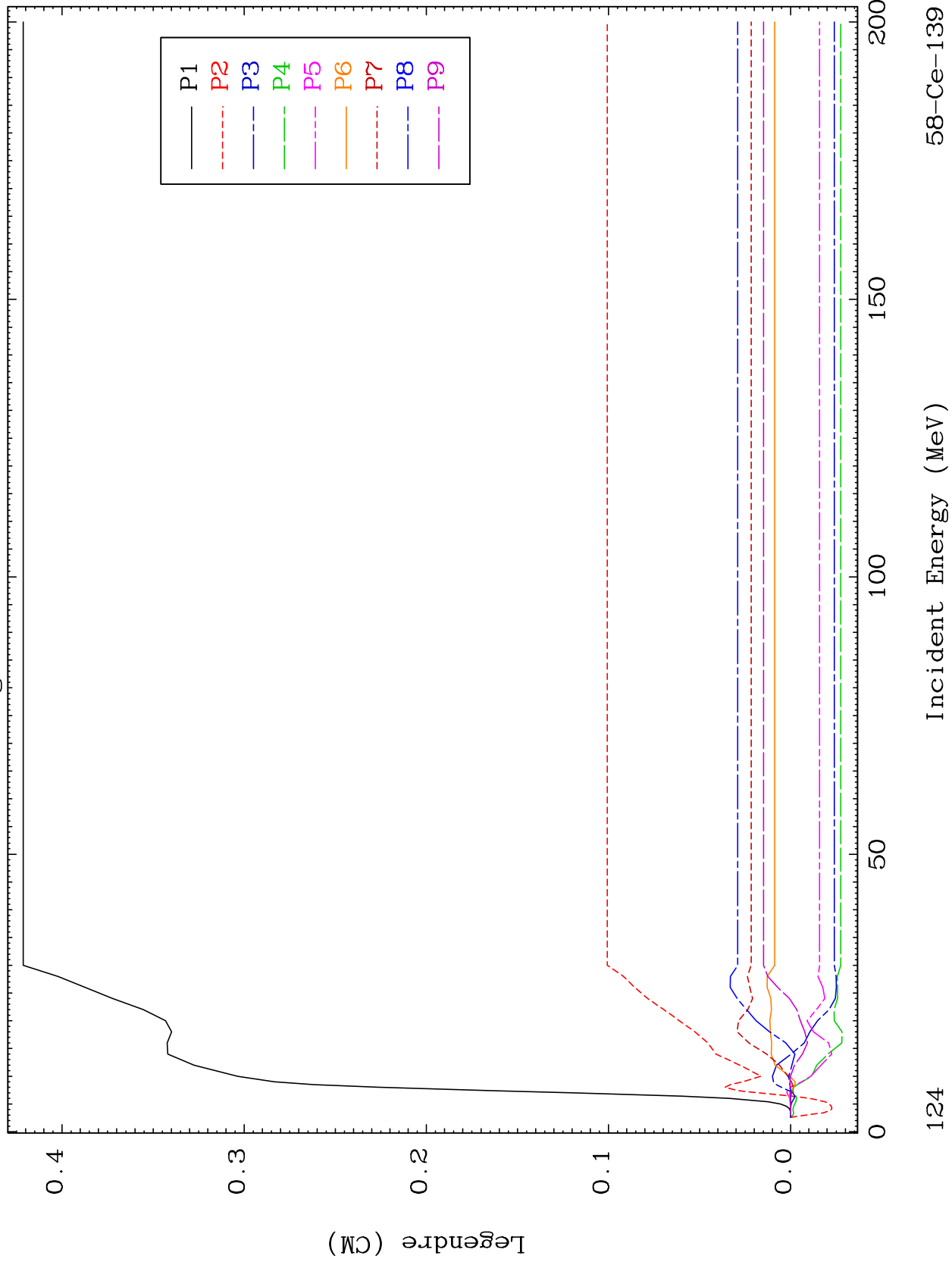


123

MAT 5834

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

58-Ce-139



124

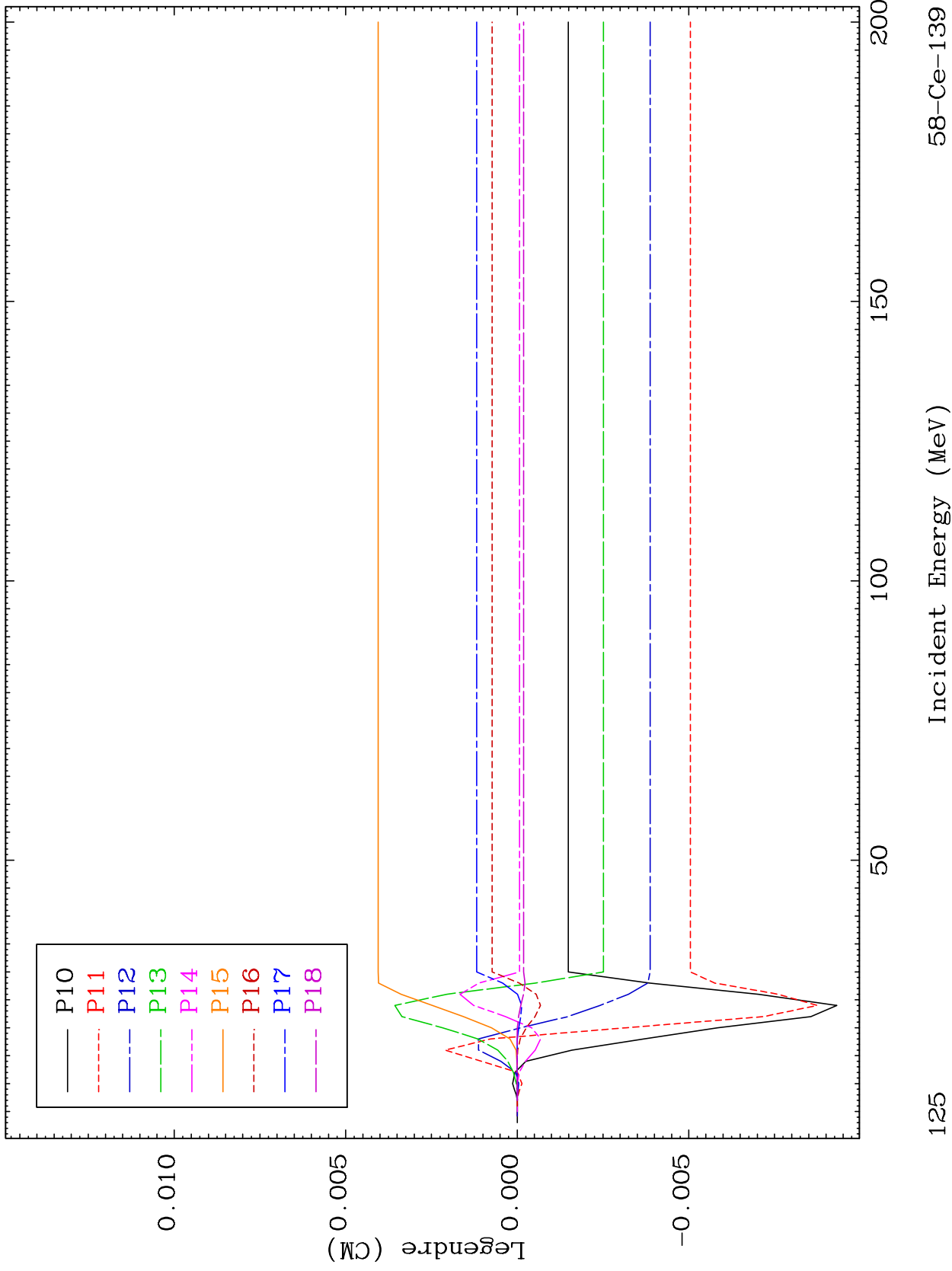
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



125

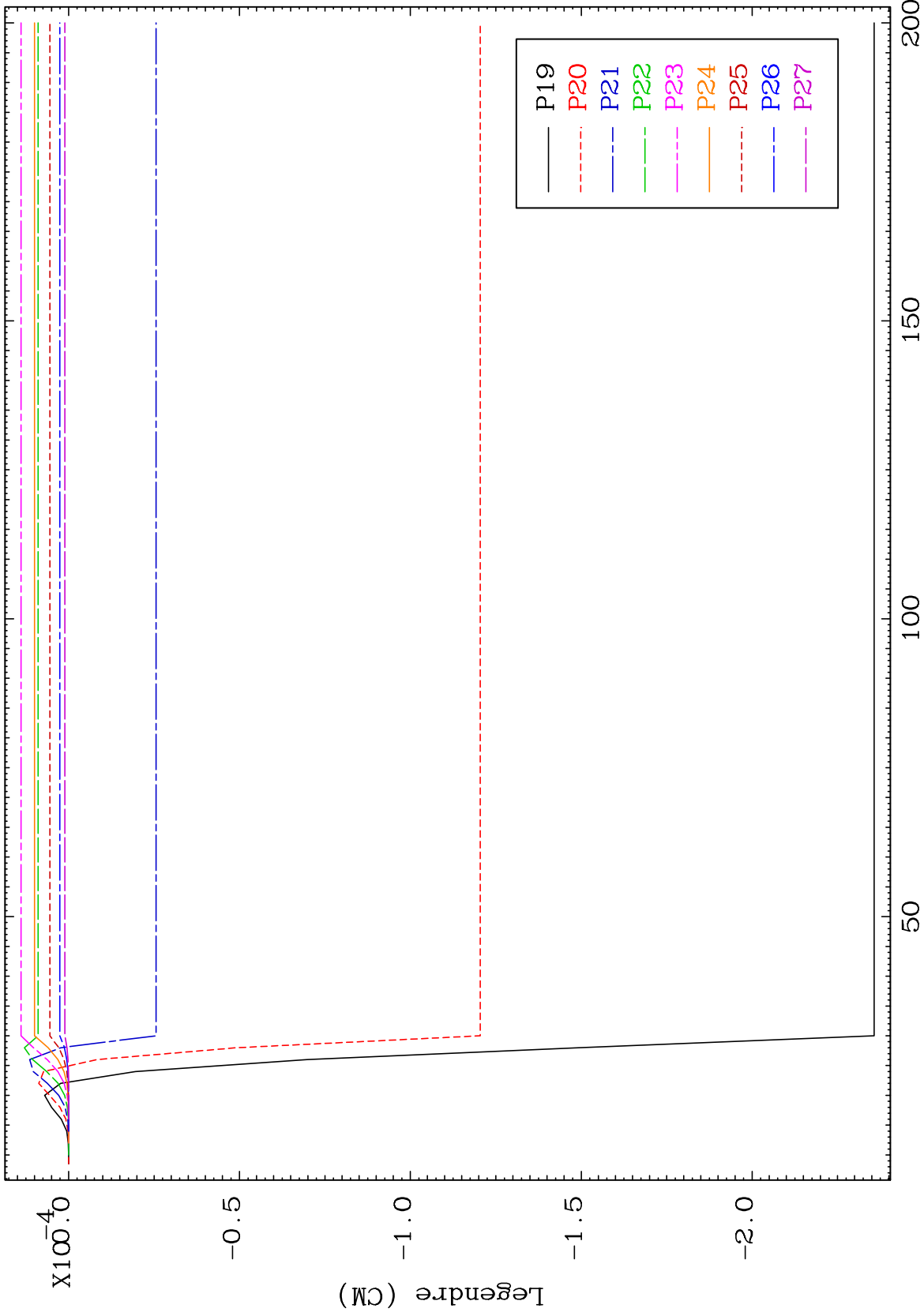
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



126

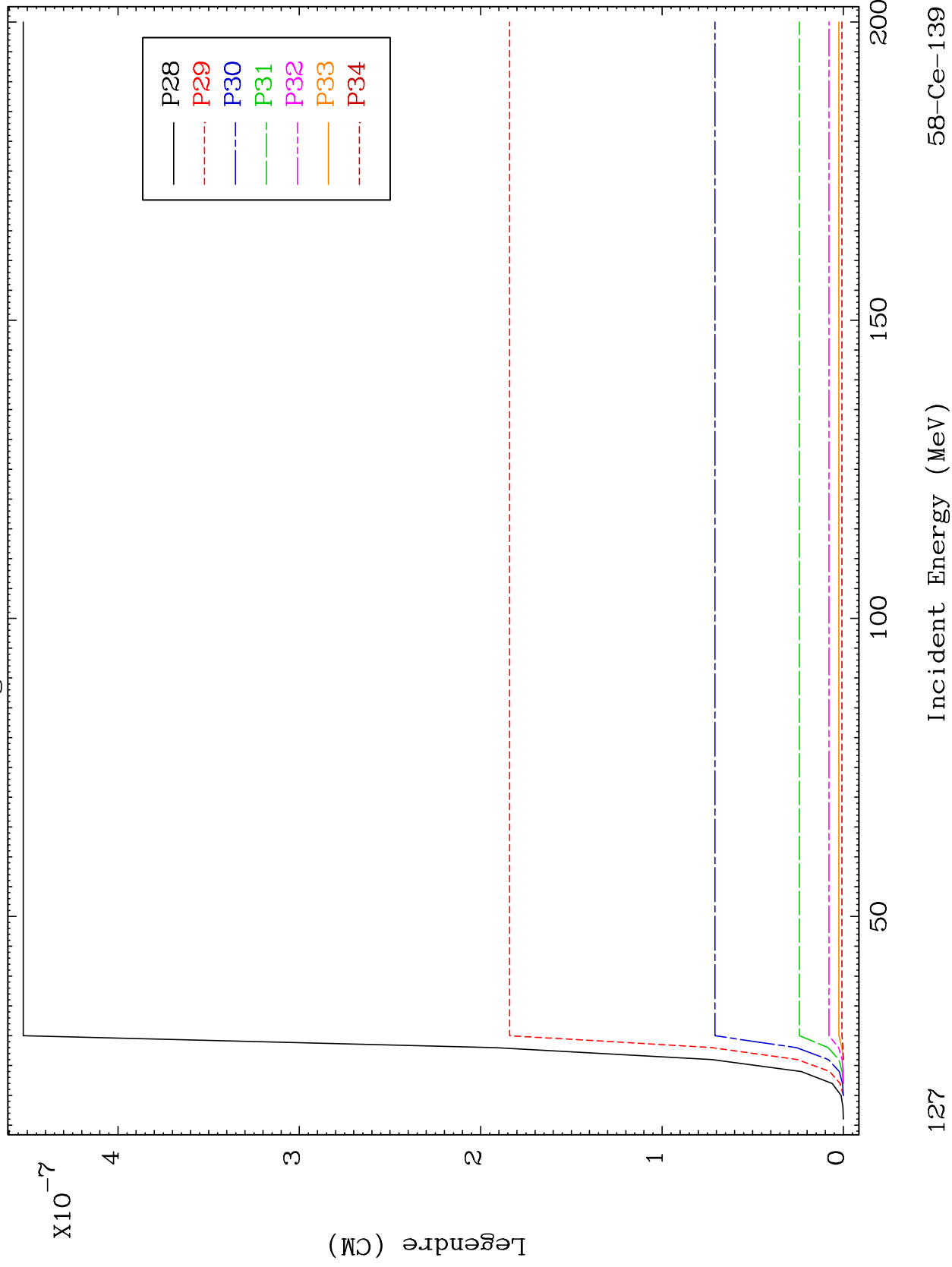
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

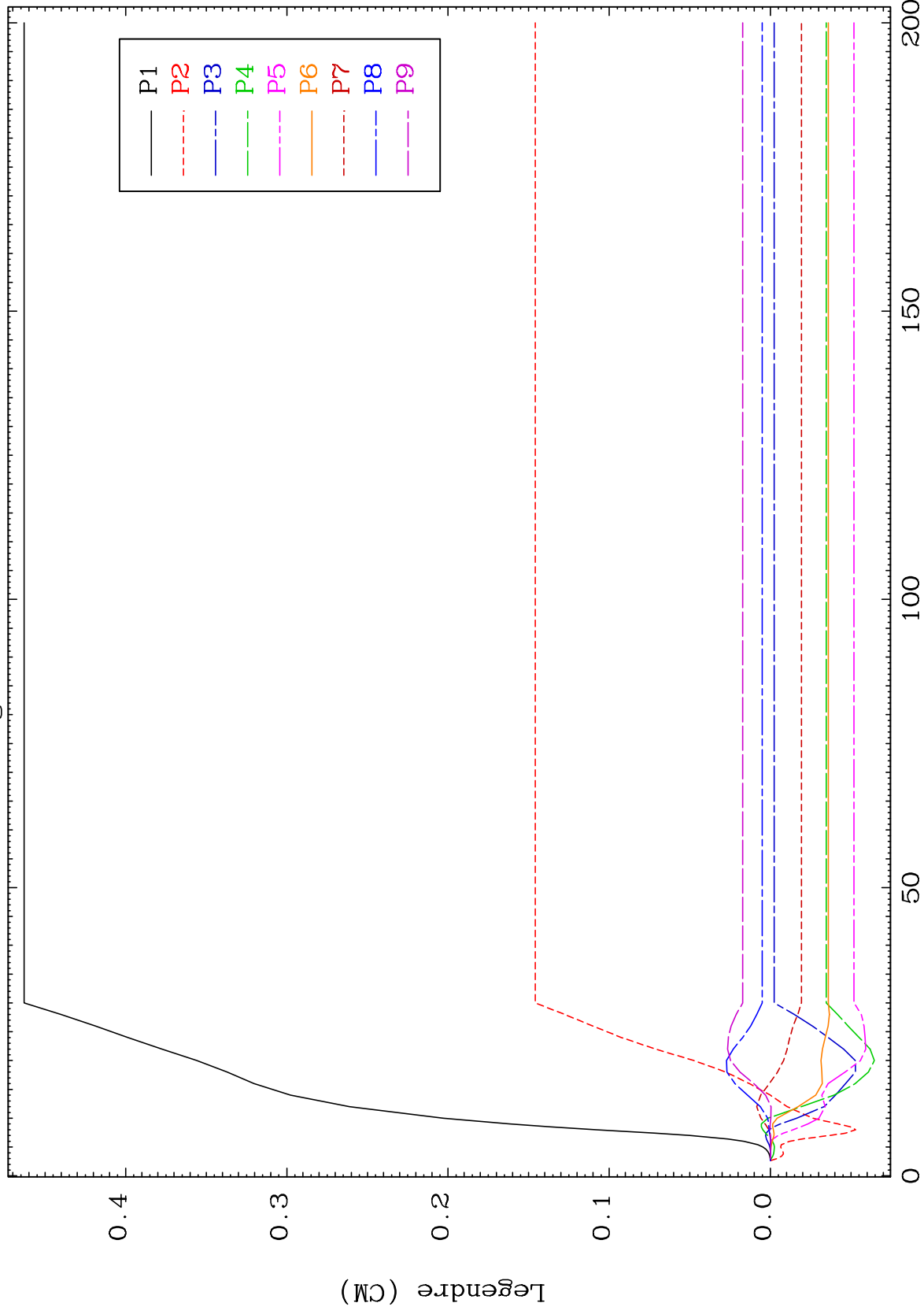
58-Ce-139



MAT 5834

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

58-Ce-139



128

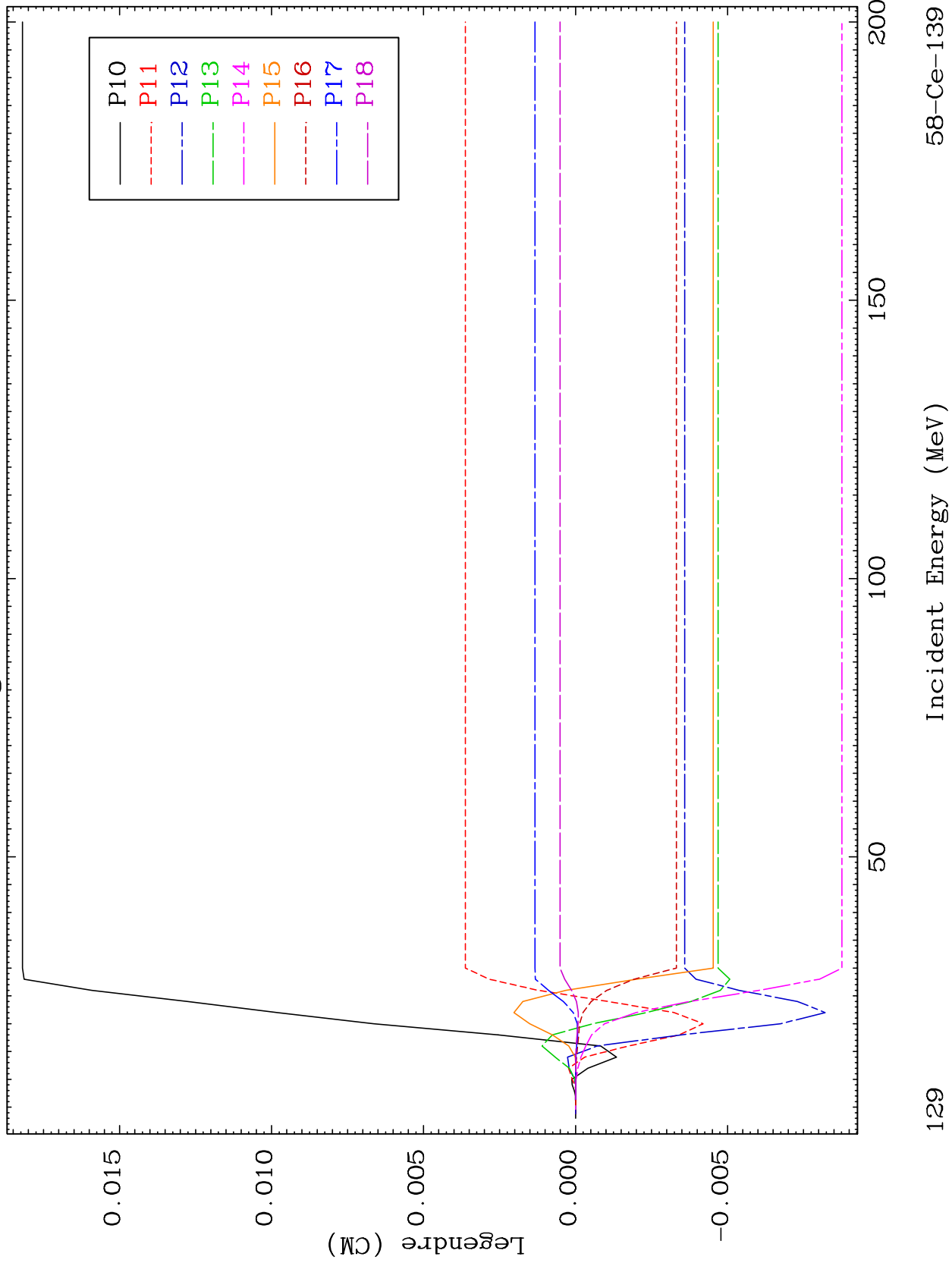
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



129

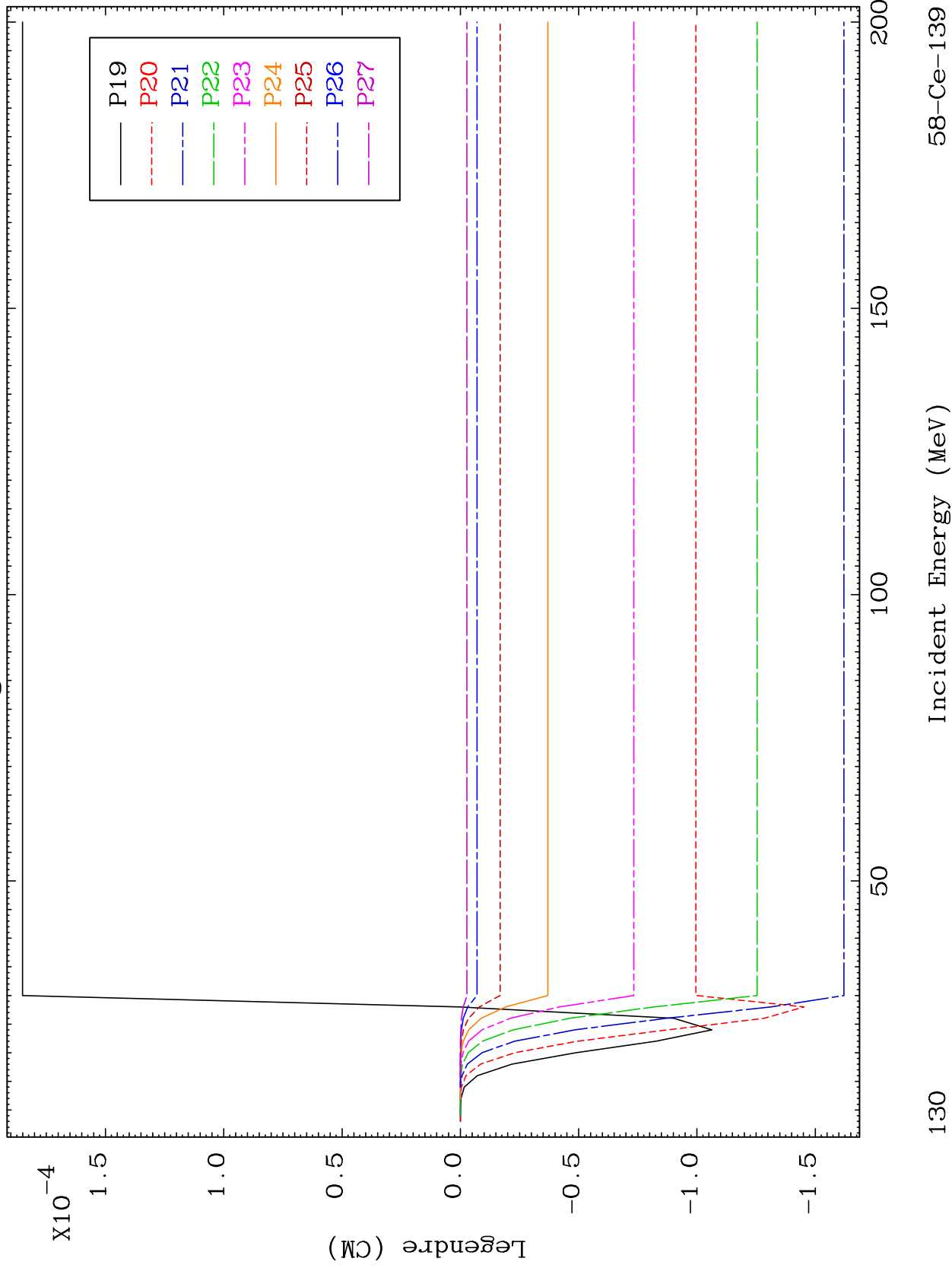
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



130

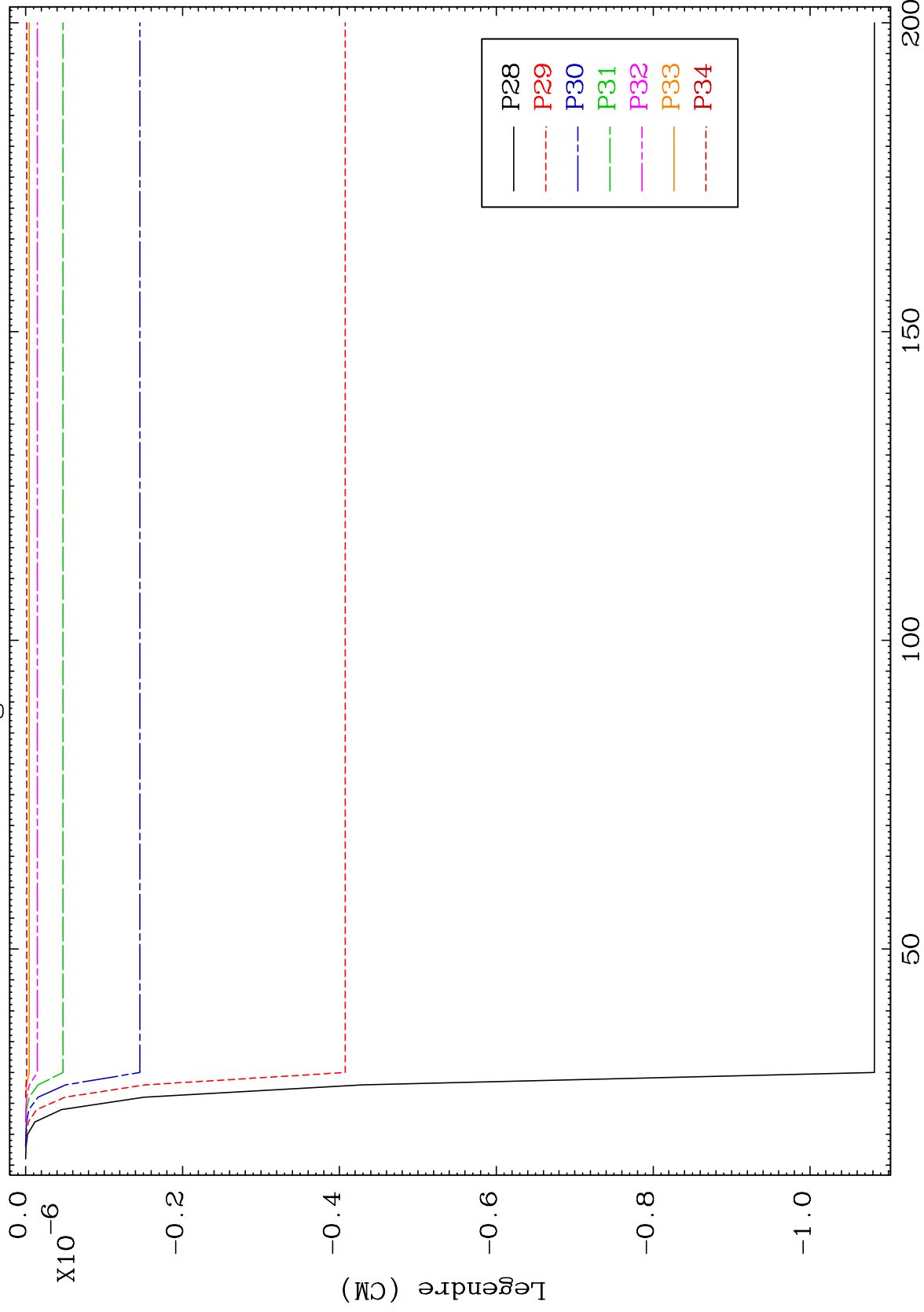
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



131

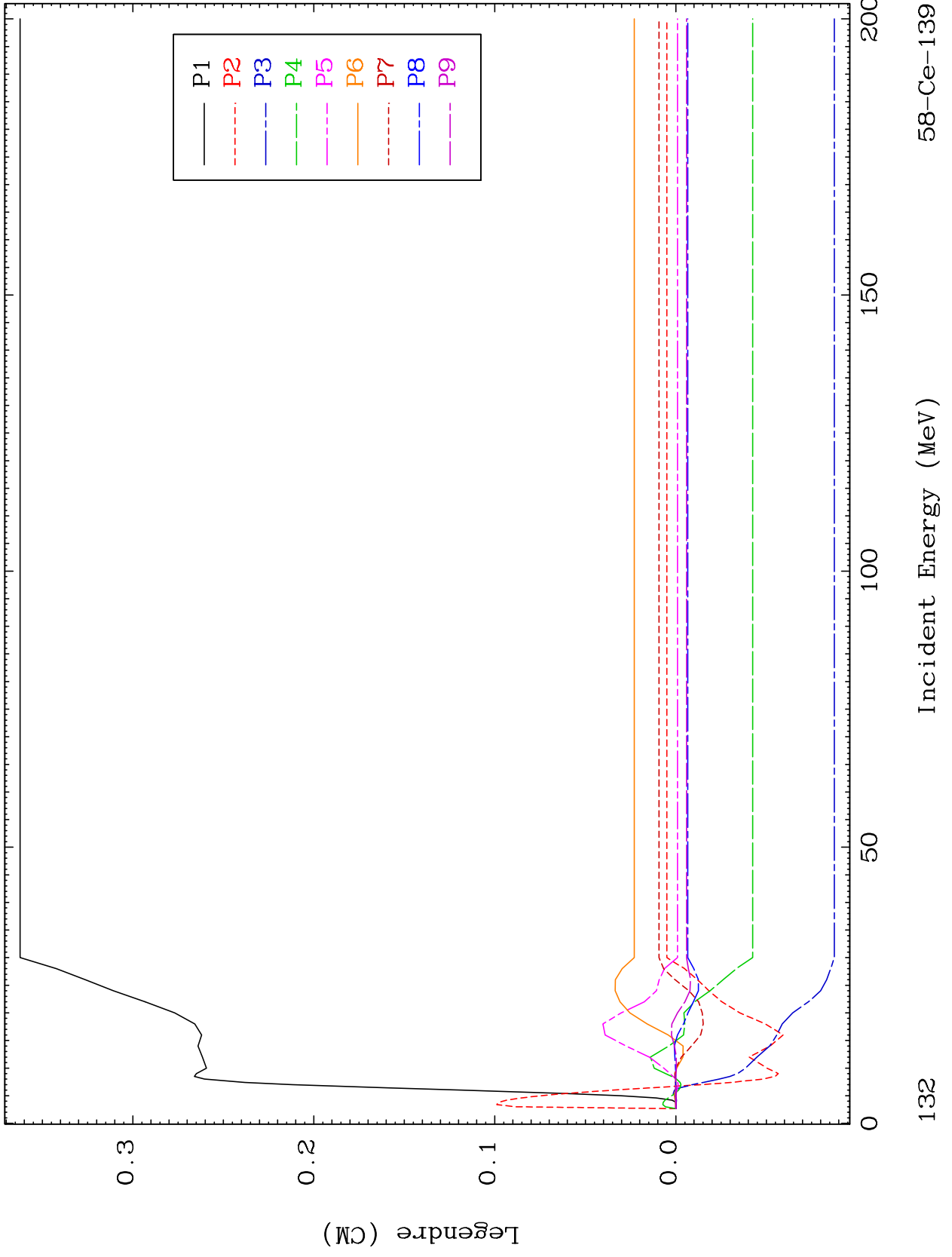
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



58-Ce-139

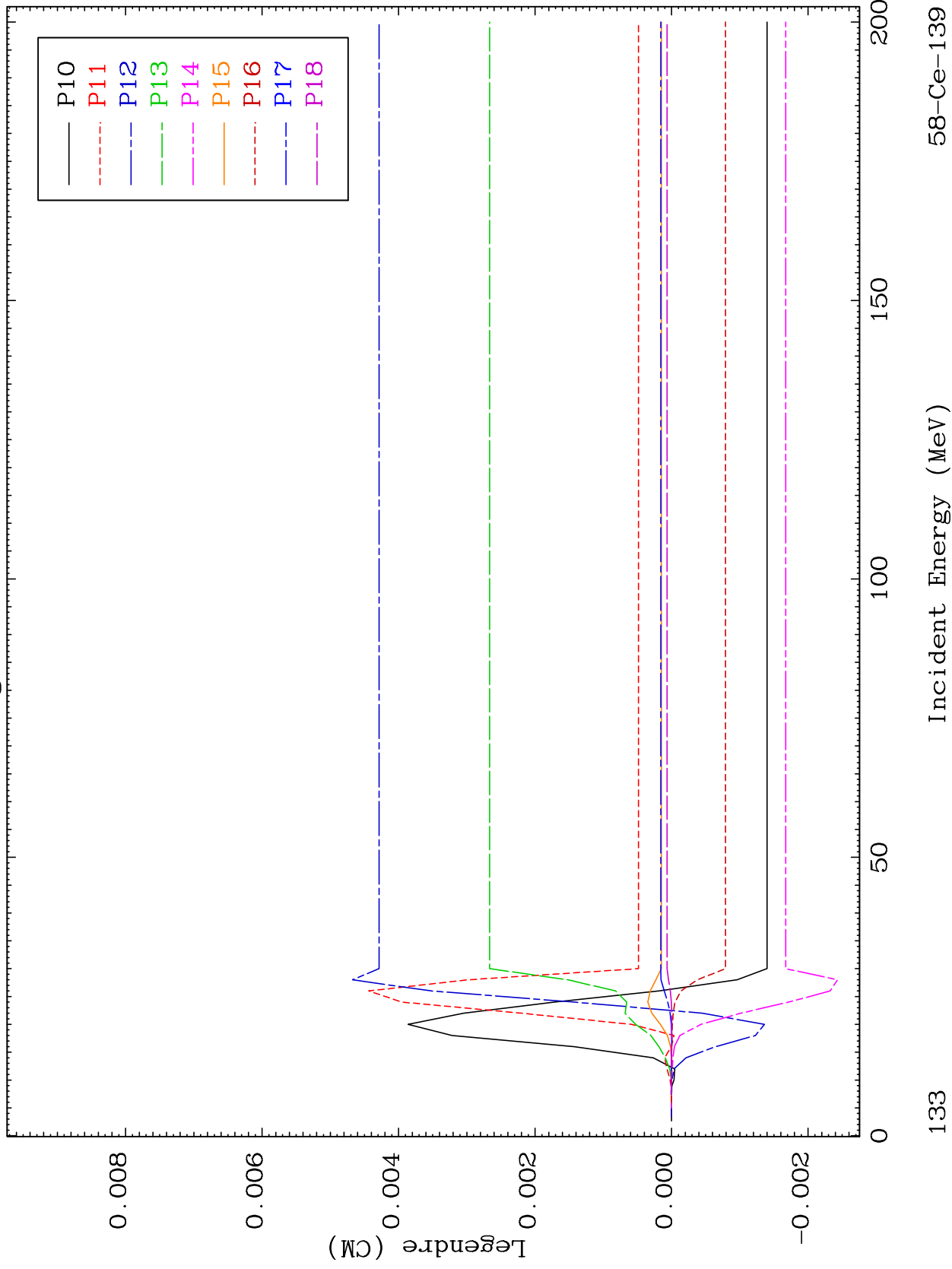
Incident Energy (MeV)

132

MAT 5834

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

58-Ce-139



58-Ce-139

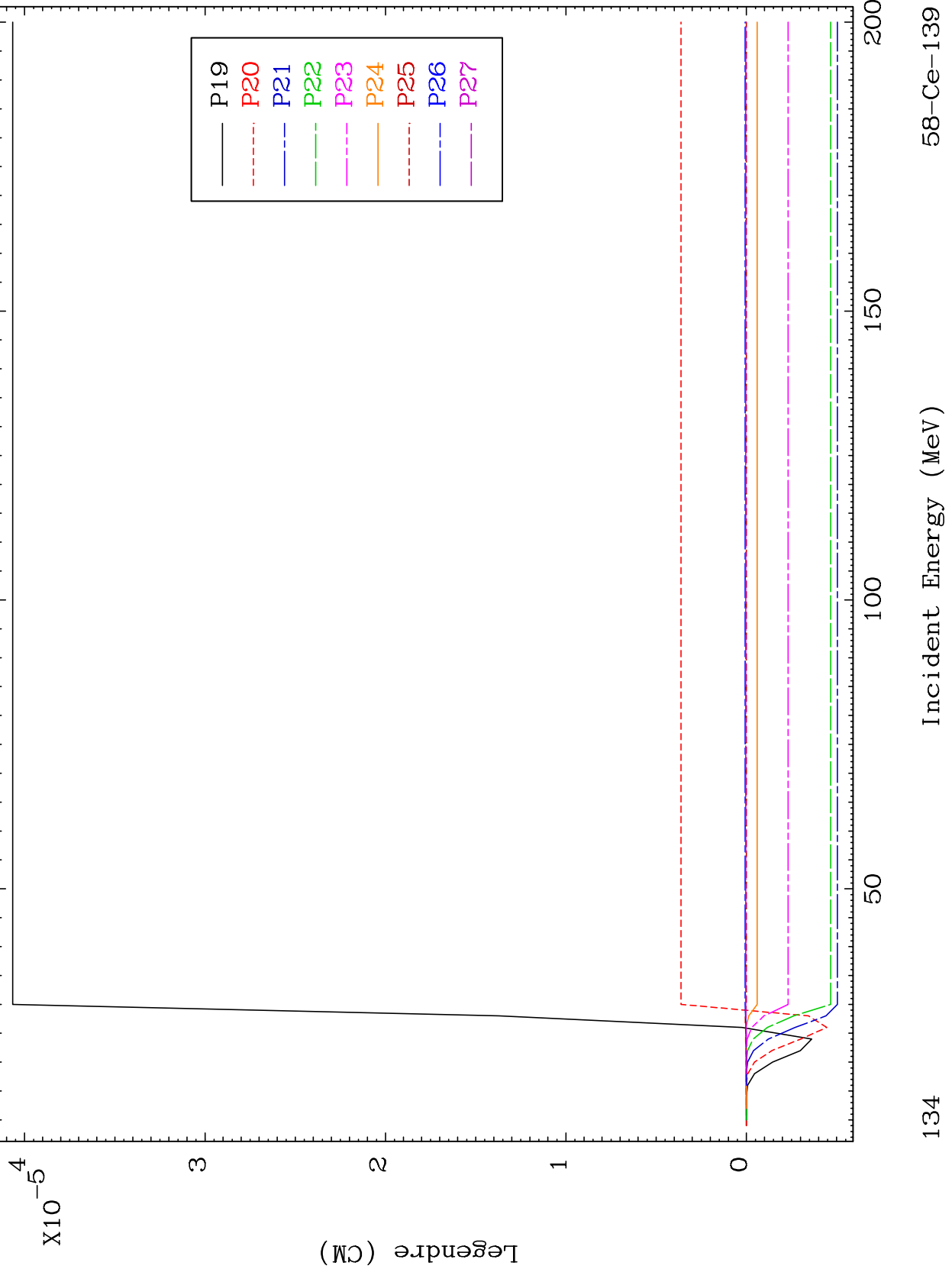
Incident Energy (MeV)

133

MAT 5834

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

58-Ce-139



134

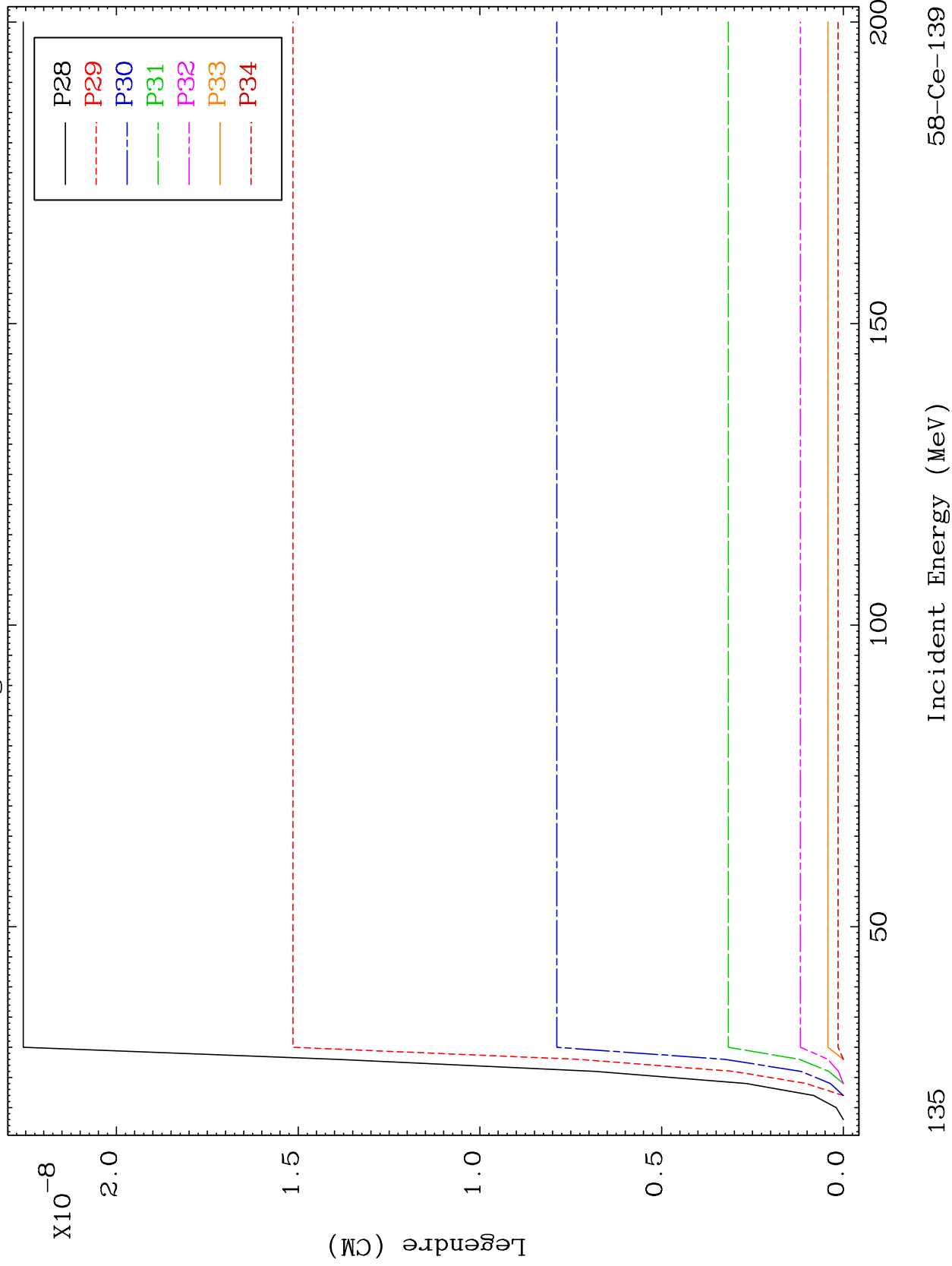
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

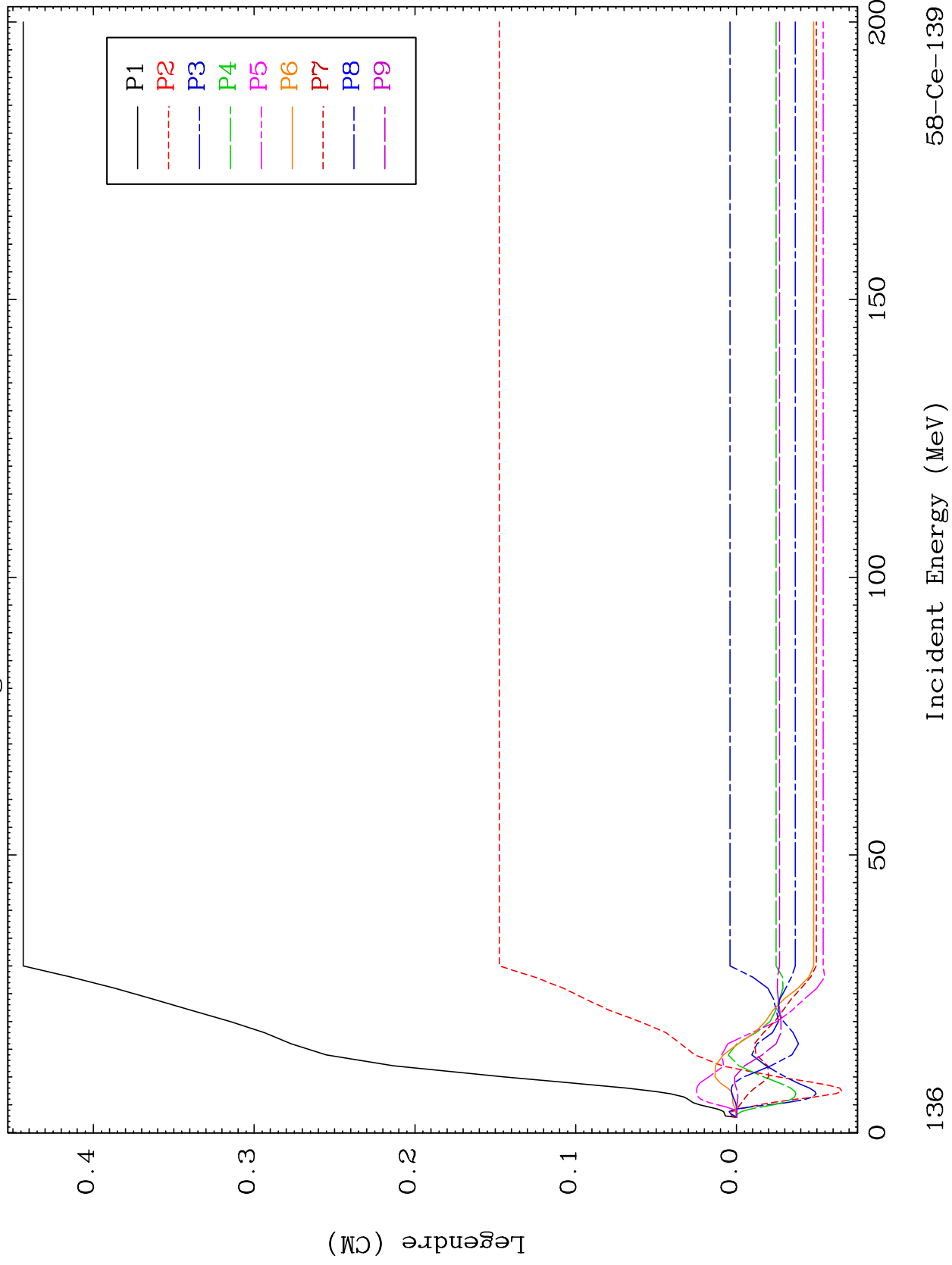
58-Ce-139



MAT 5834

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

58-Ce-139

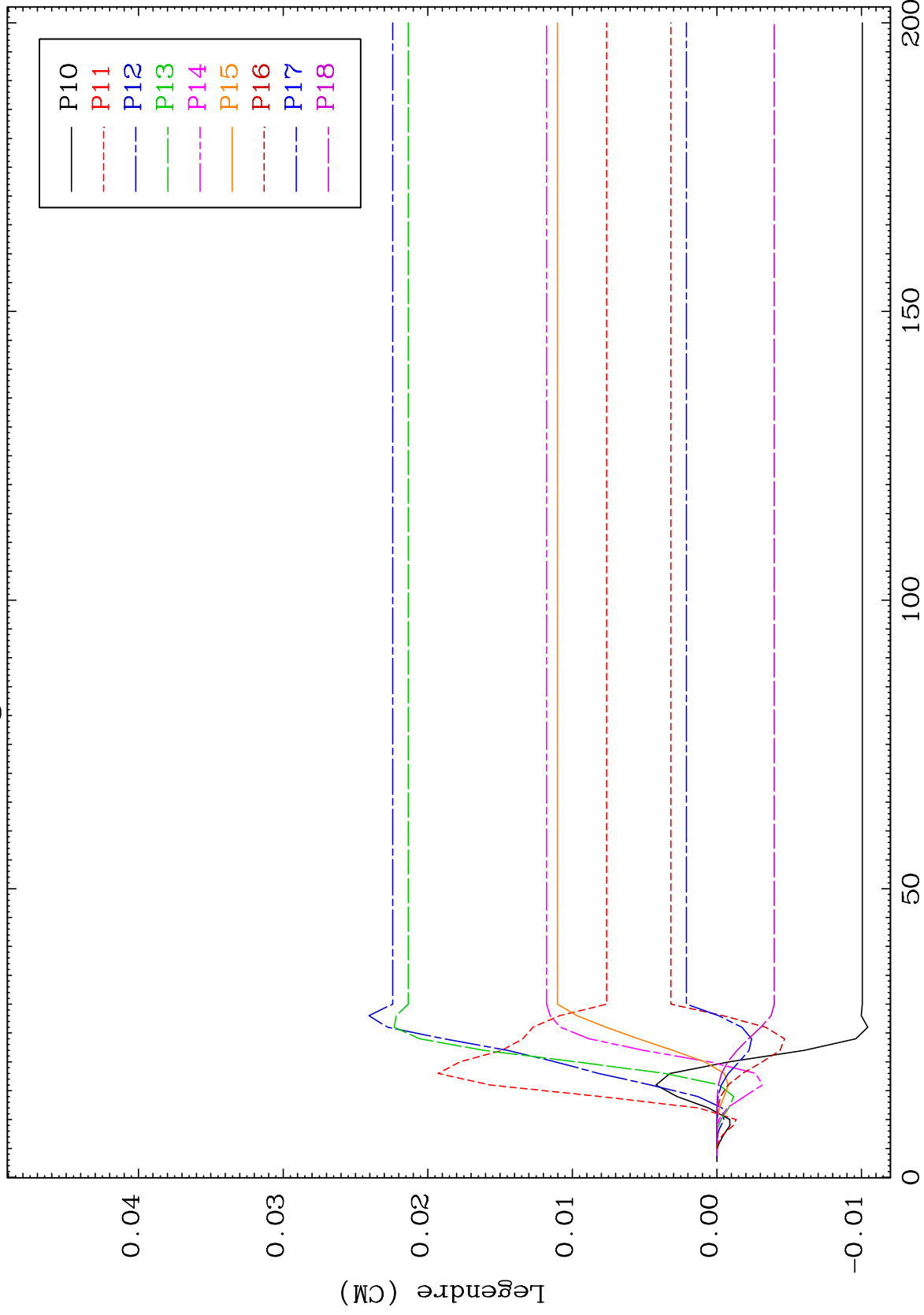


58-Ce-139

MAT 5834

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

58-Ce-139



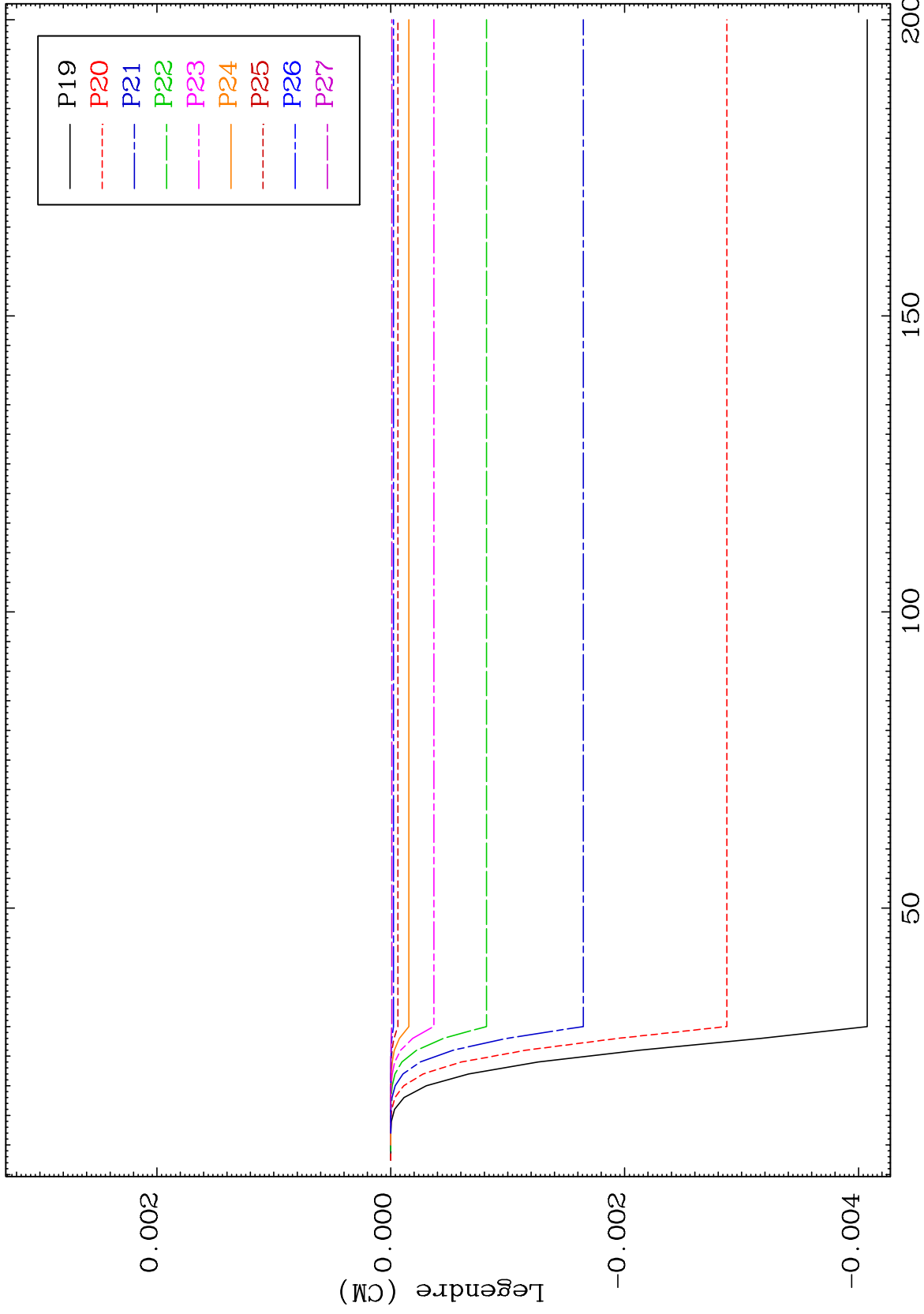
137

58-Ce-139

MAT 5834

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

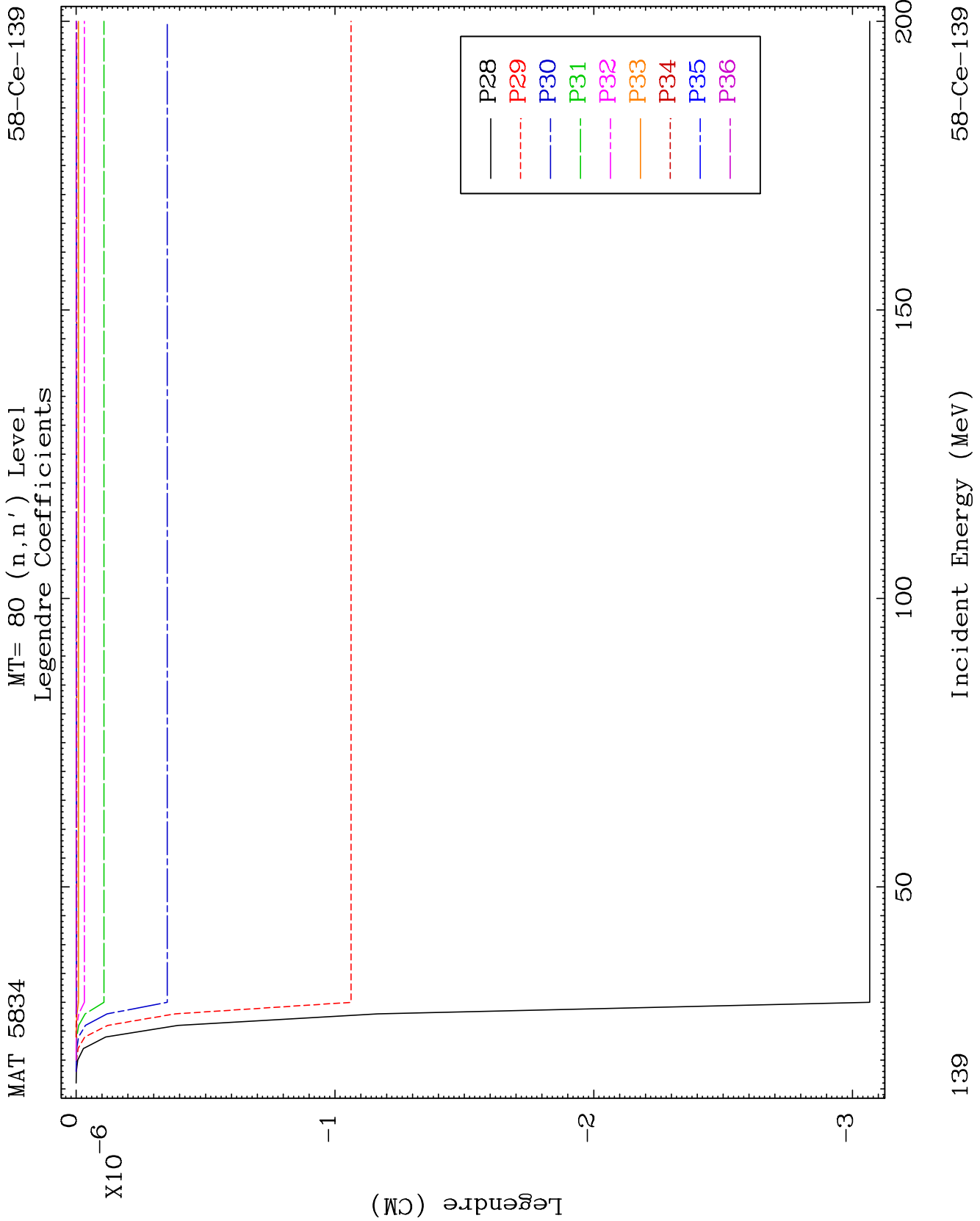
58-Ce-139



138

Incident Energy (MeV)

58-Ce-139



58-Ce-139

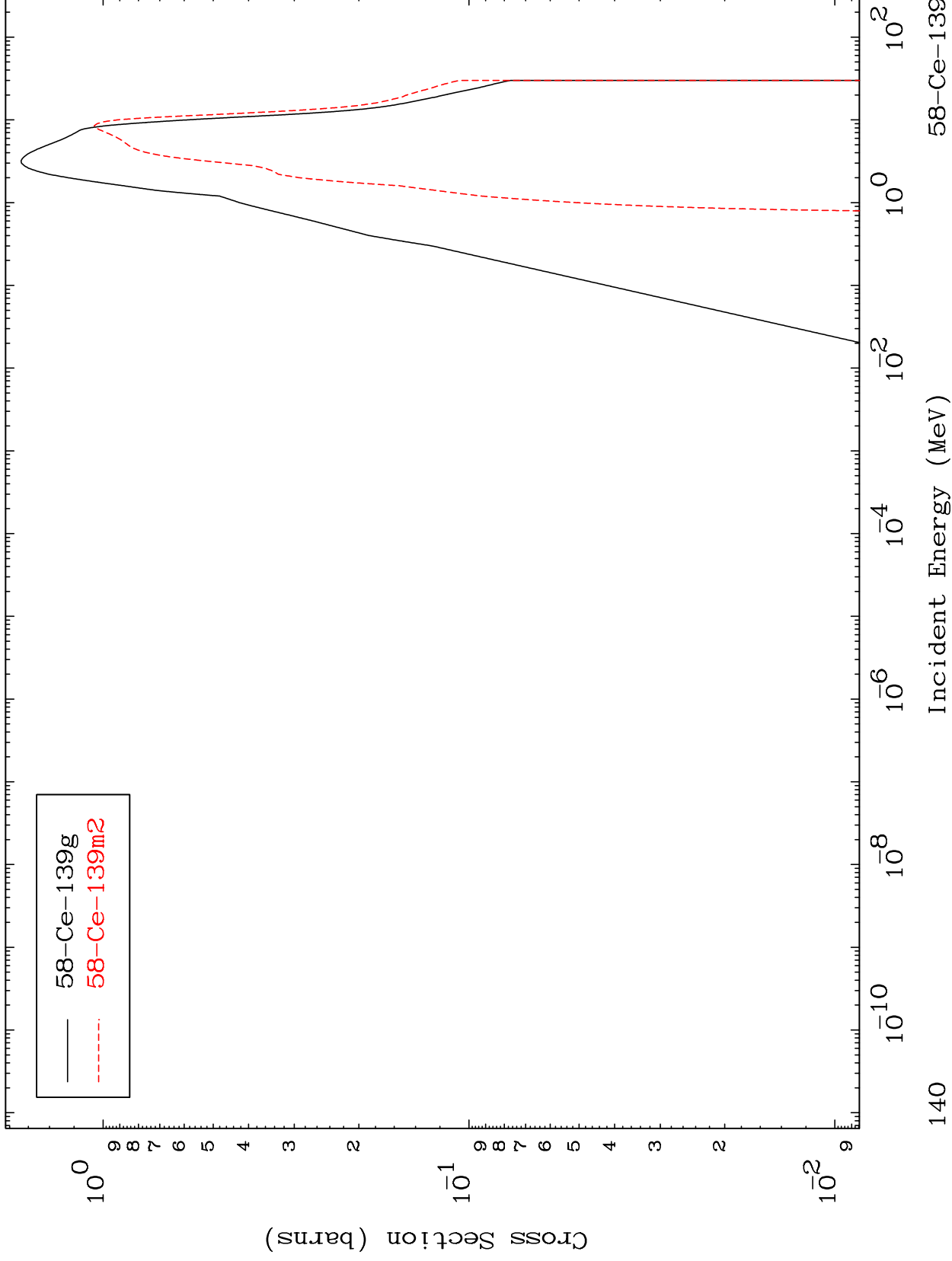
Incident Energy (MeV)

139

MAT 5834

Inelastic
Radionuclide Production Cross Section

58-Ce-139



140

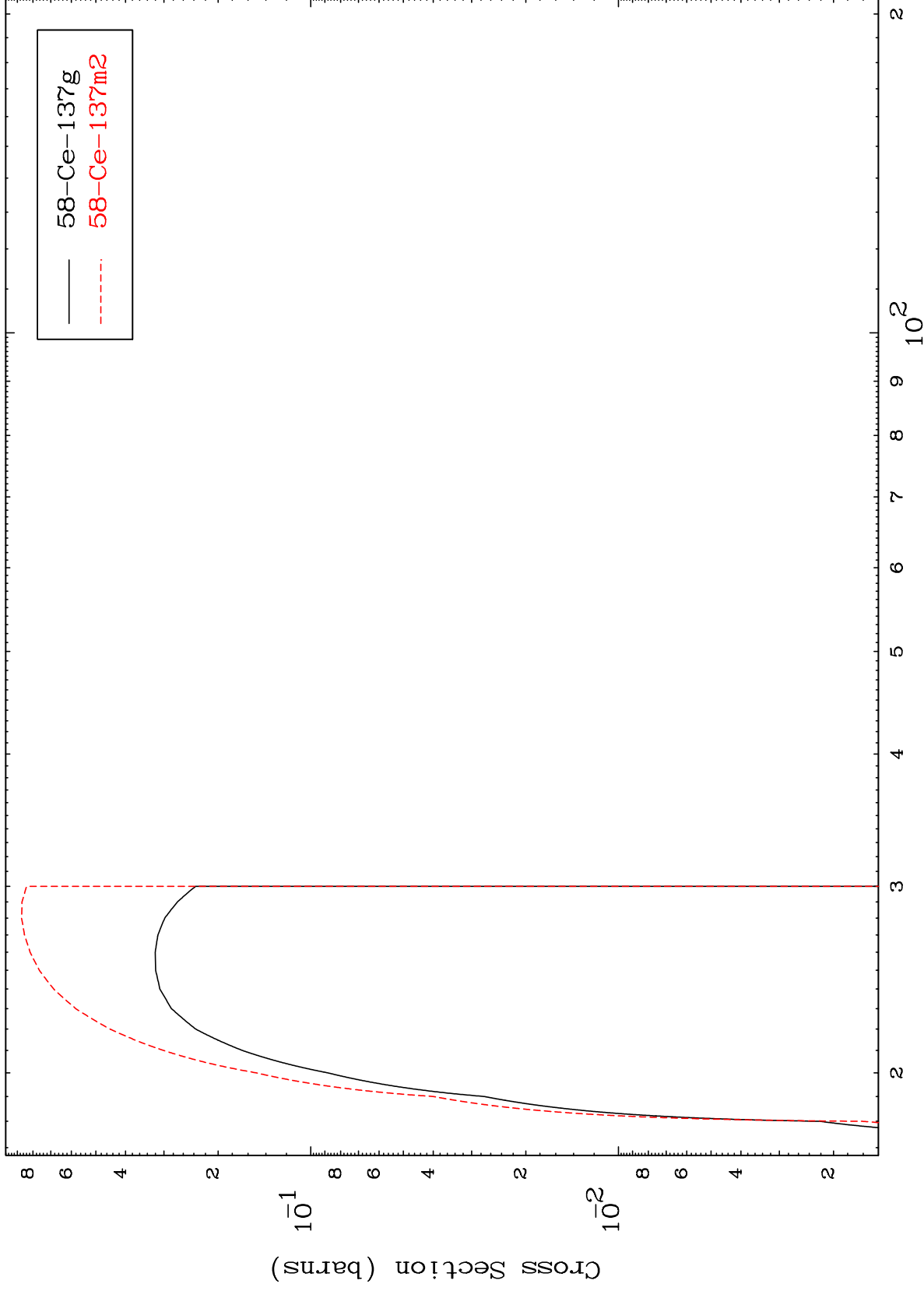
58-Ce-139

MAT 5834

(n,3n)

58-Ce-139

Radionuclide Production Cross Section



141

Incident Energy (MeV)

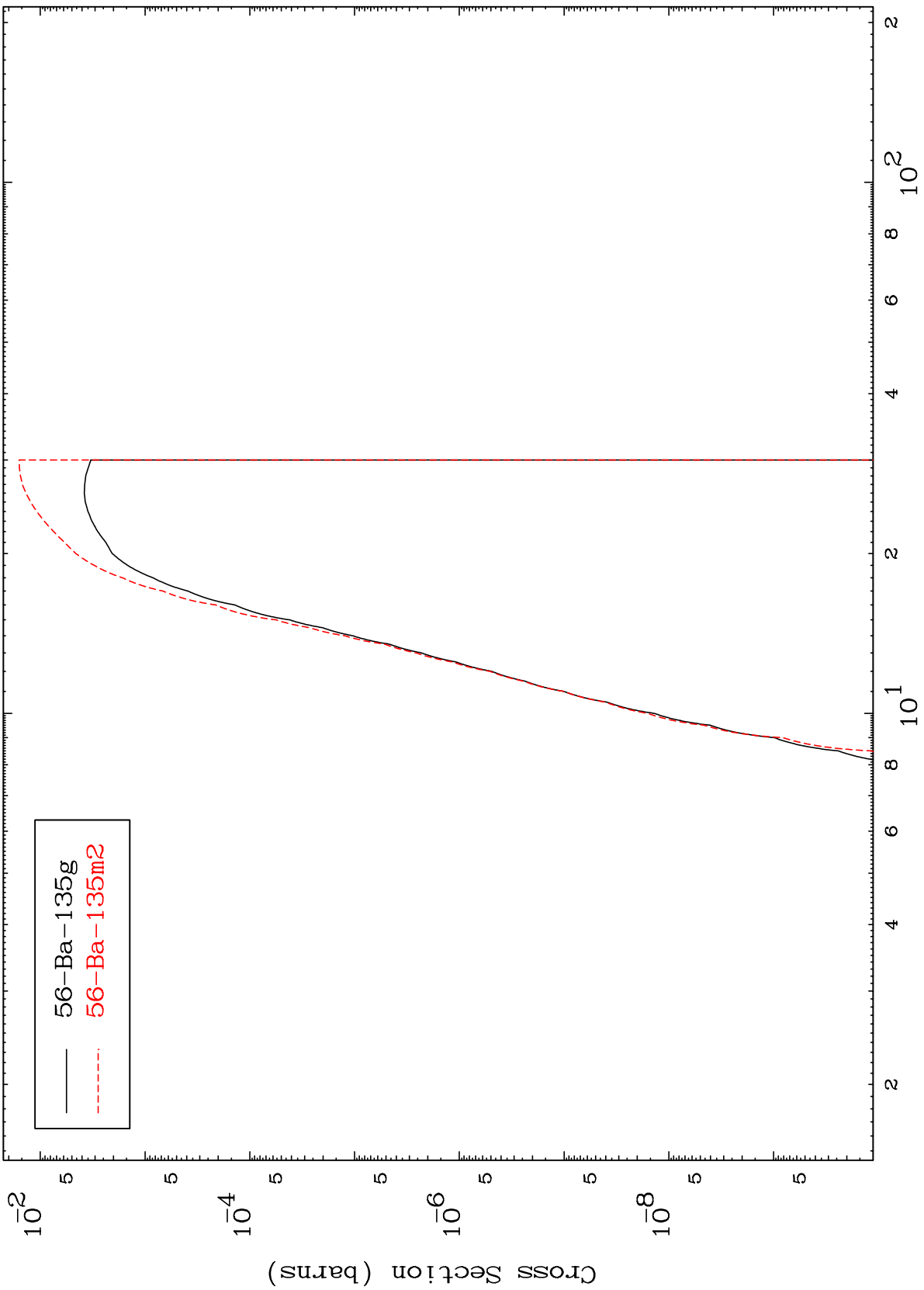
58-Ce-139

MAT 5834

(n,n') α

58-Ce-139

Radionuclide Production Cross Section



142

Incident Energy (MeV)

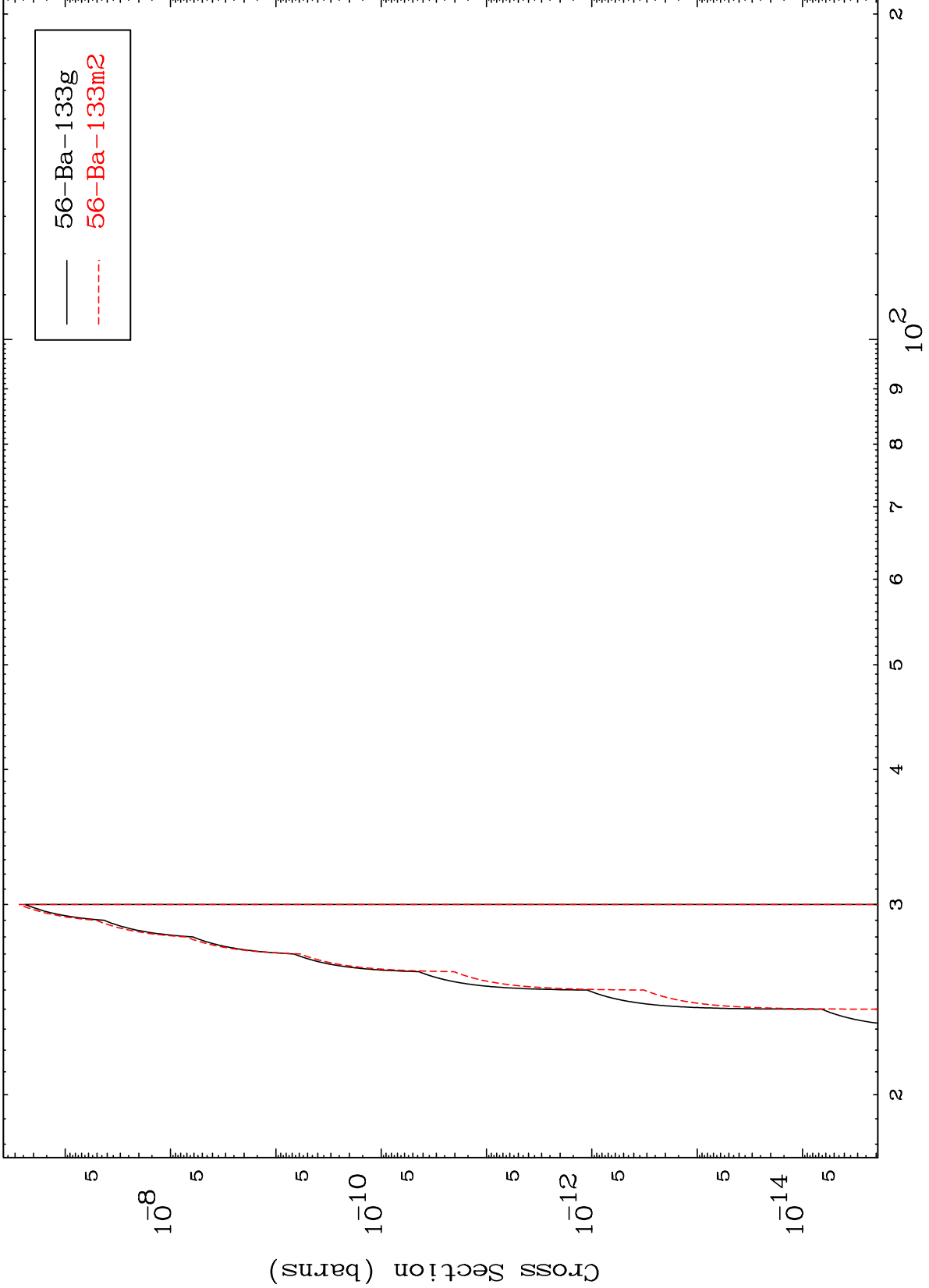
58-Ce-139

MAT 5834

(n,3n) α

58-Ce-139

Radionuclide Production Cross Section



143

Incident Energy (MeV)

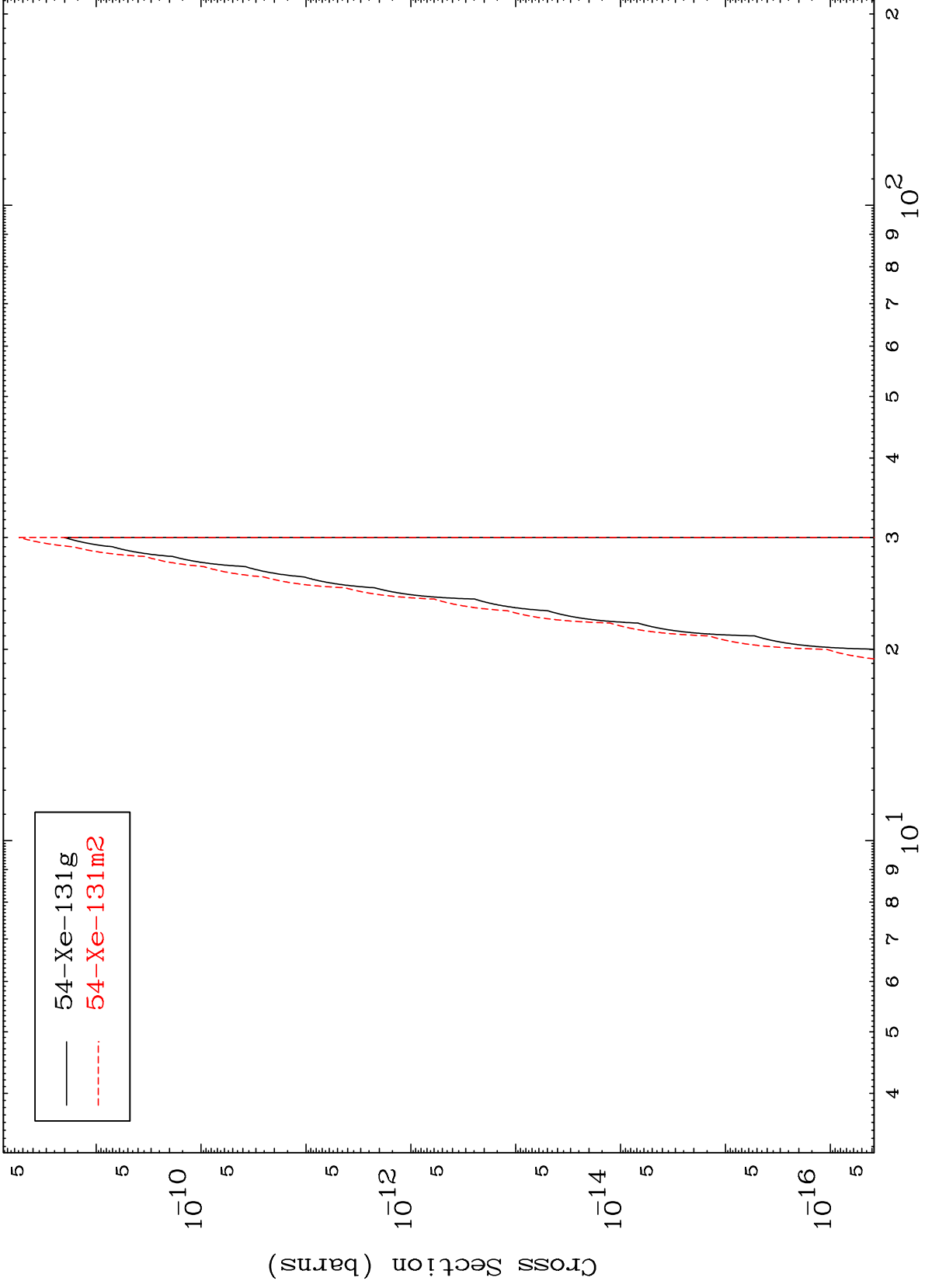
58-Ce-139

MAT 5834

(n,n') 2α

58-Ce-139

Radionuclide Production Cross Section



144

Incident Energy (MeV)

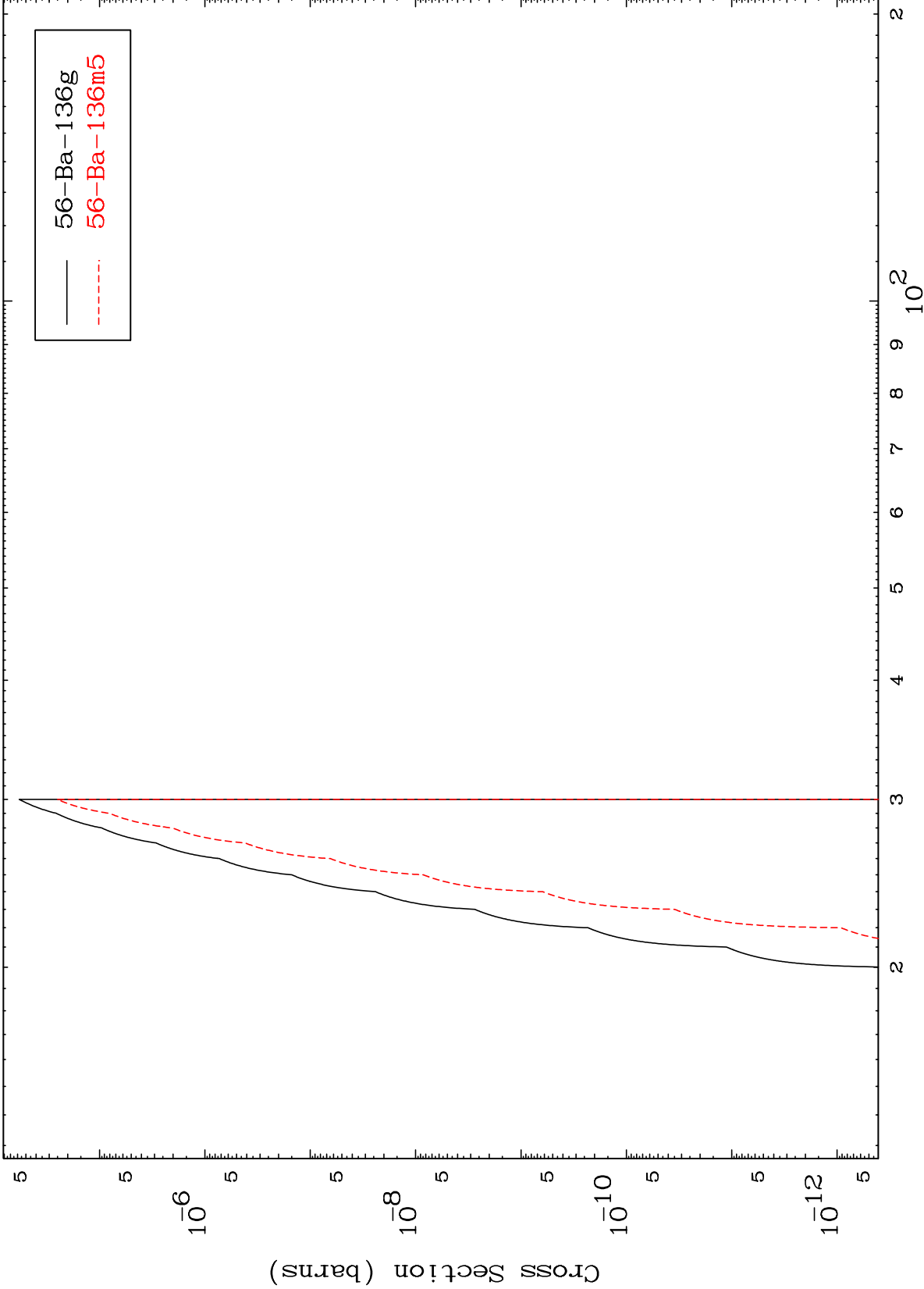
58-Ce-139

MAT 5834

(n,n') He-3

58-Ce-139

Radionuclide Production Cross Section



145

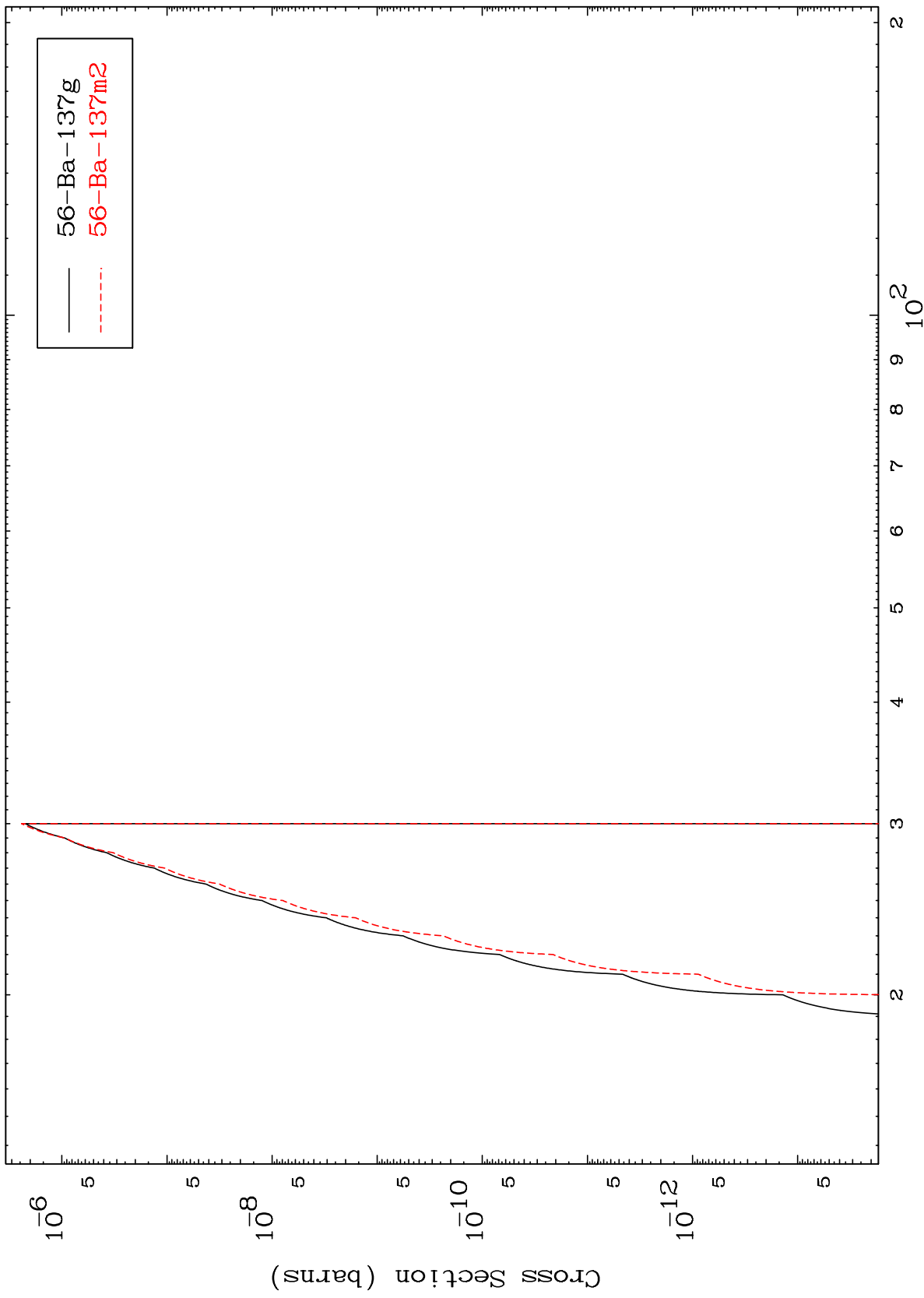
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

(n,2n) p
Radionuclide Production Cross Section



146

58-Ce-139

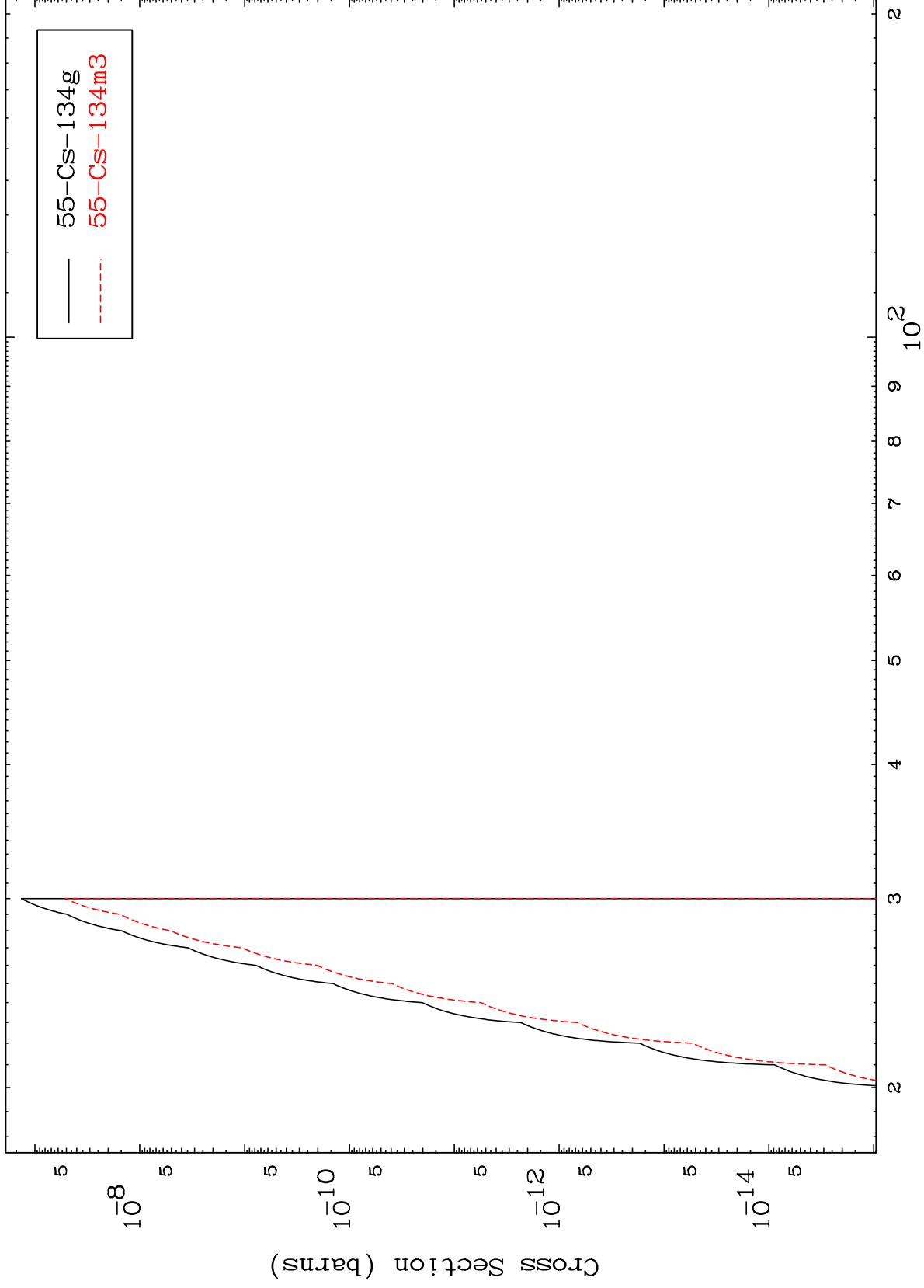
Incident Energy (MeV)

MAT 5834

(n,n') p α

58-Ce-139

Radionuclide Production Cross Section



147

Incident Energy (MeV)

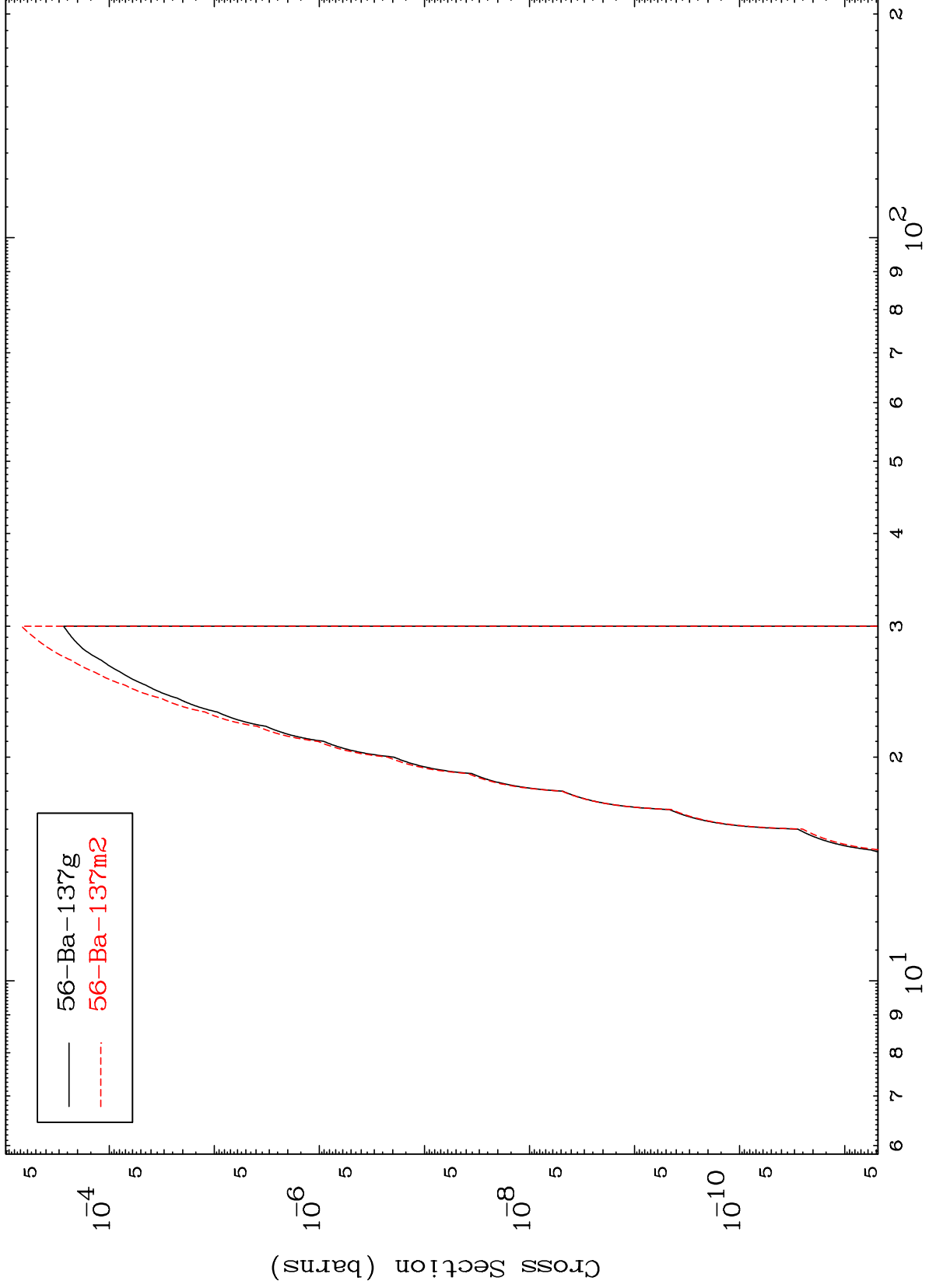
58-Ce-139

MAT 5834

(n,He-3)

58-Ce-139

Radionuclide Production Cross Section



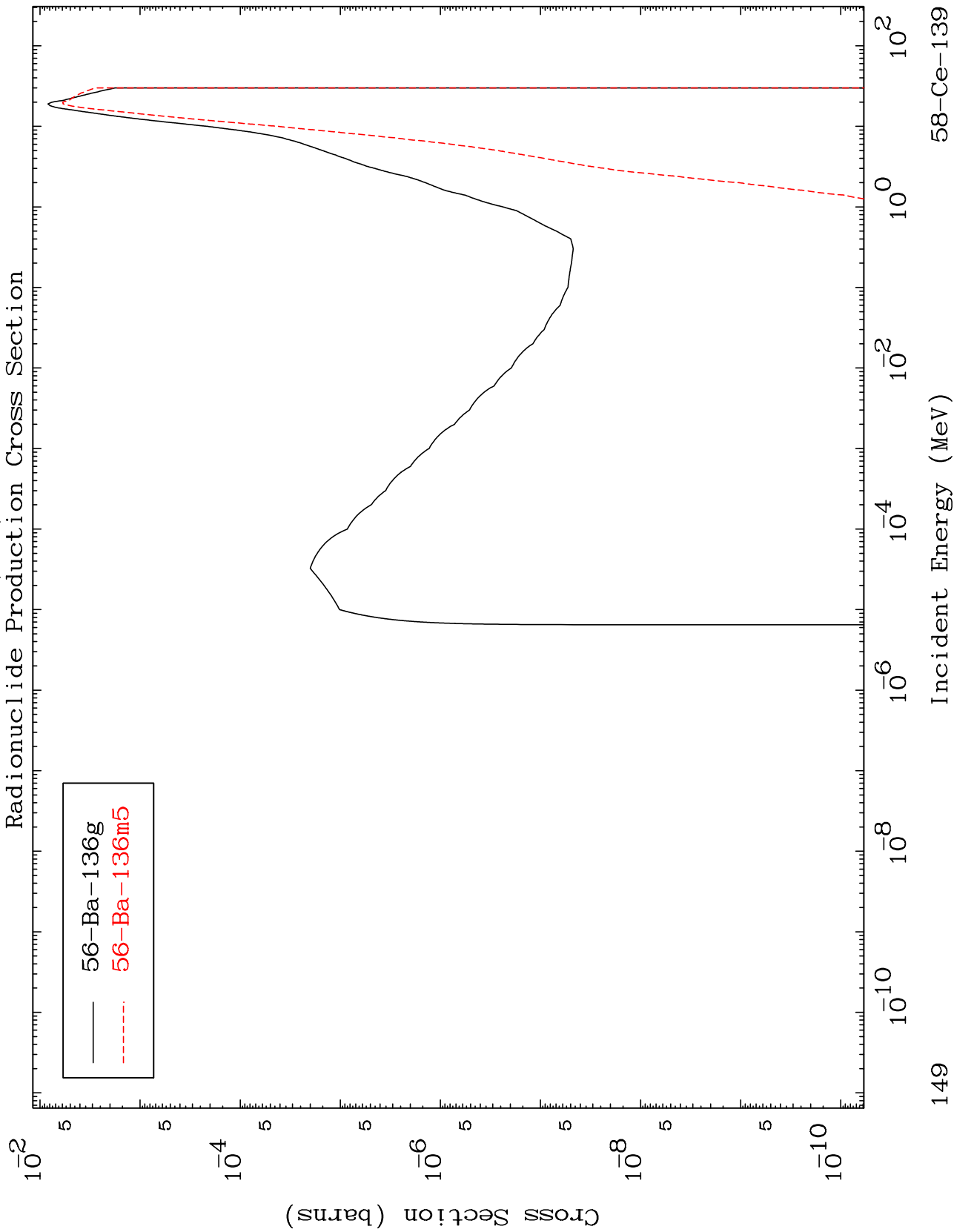
148

Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

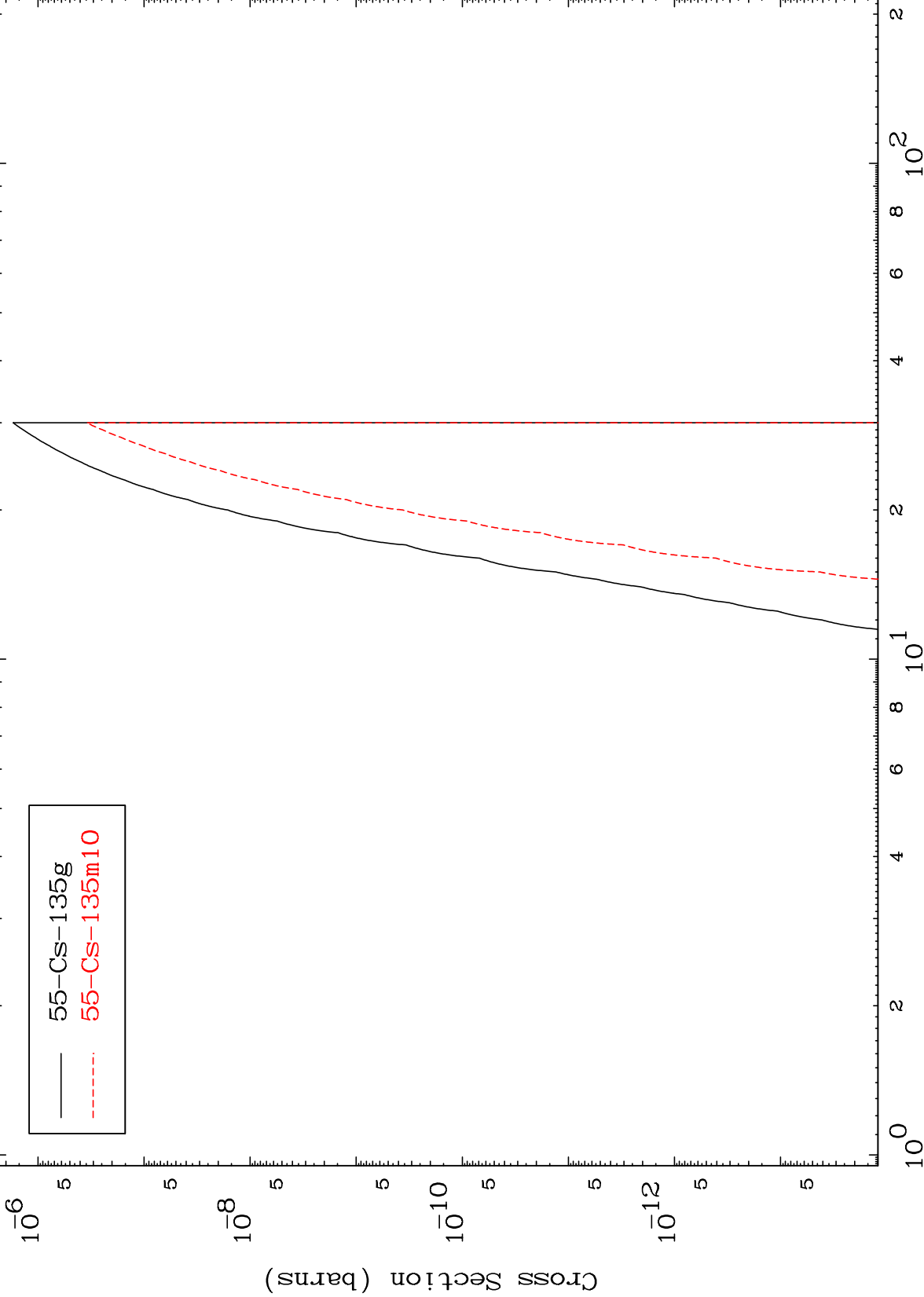


MAT 5834

(n,p) α

58-Ce-139

Radionuclide Production Cross Section



150

Incident Energy (MeV)

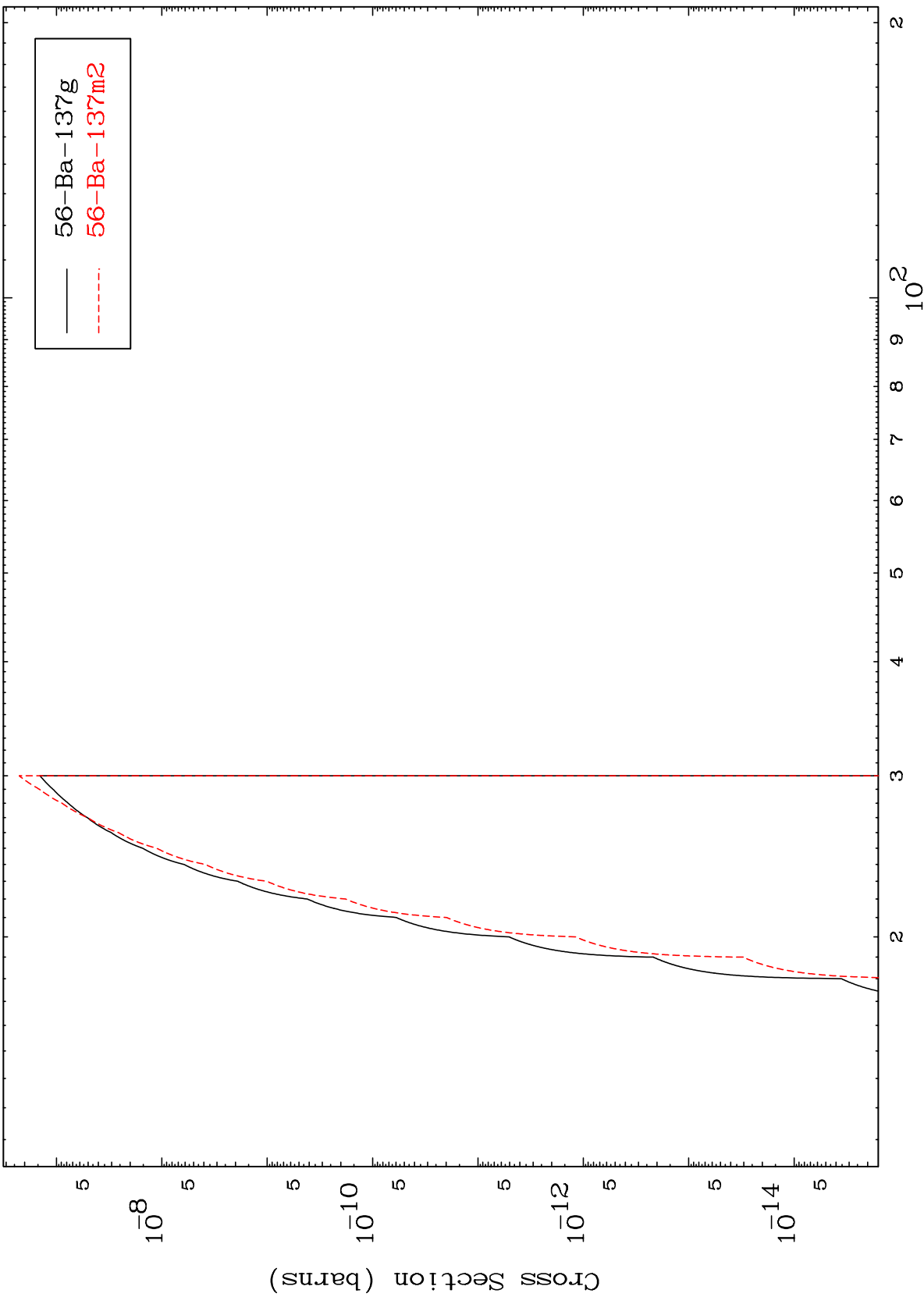
58-Ce-139

MAT 5834

(n,p) d

58-Ce-139

Radionuclide Production Cross Section

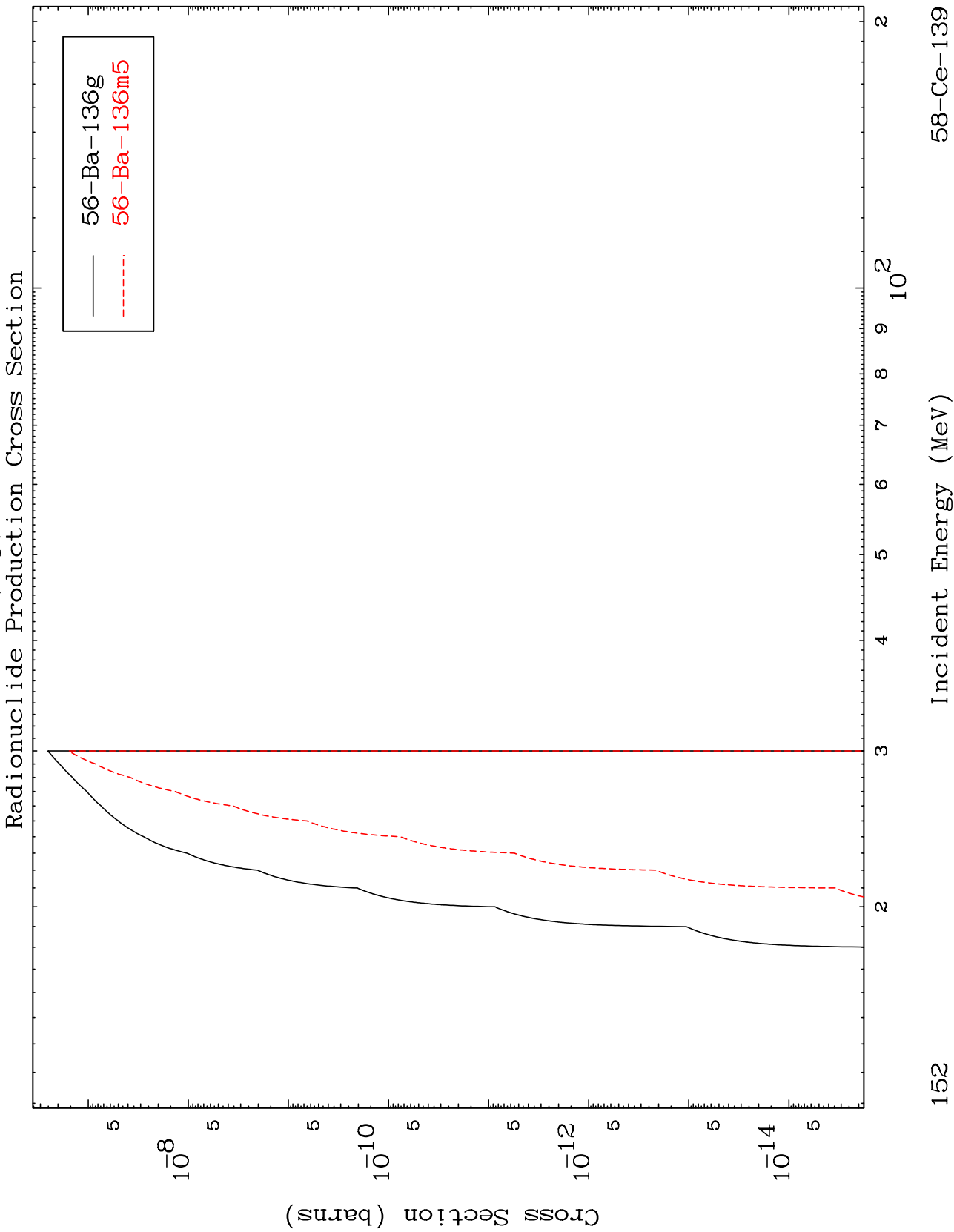


56-Ba-137g
56-Ba-137m2

151

Incident Energy (MeV)

58-Ce-139

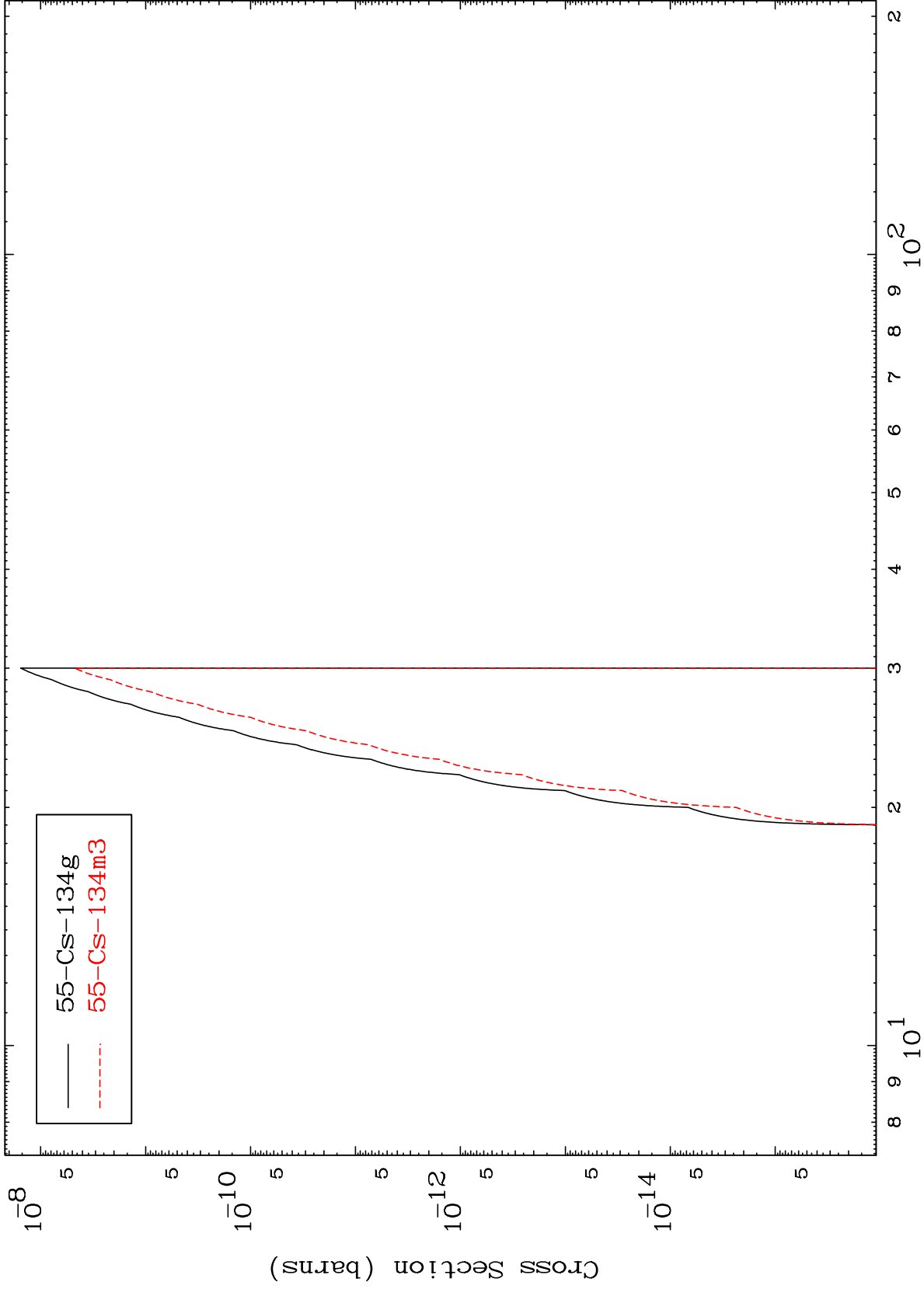


MAT 5834

(n,d) α

58-Ce-139

Radionuclide Production Cross Section



153

Incident Energy (MeV)

58-Ce-139