

Program EVALPLOT
(Version 2018-1)

by

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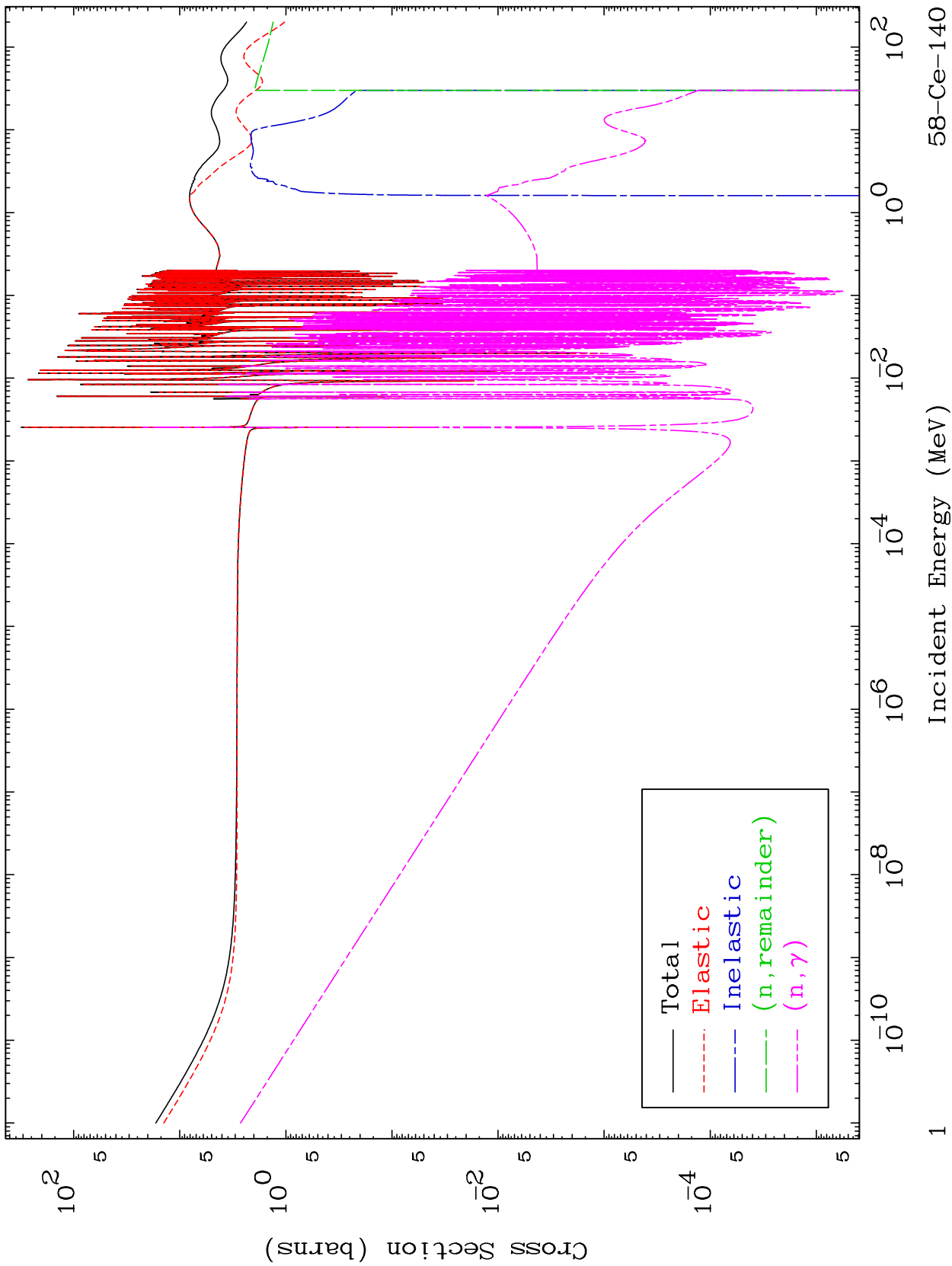
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5837

Major
293 Kelvin Cross Sections

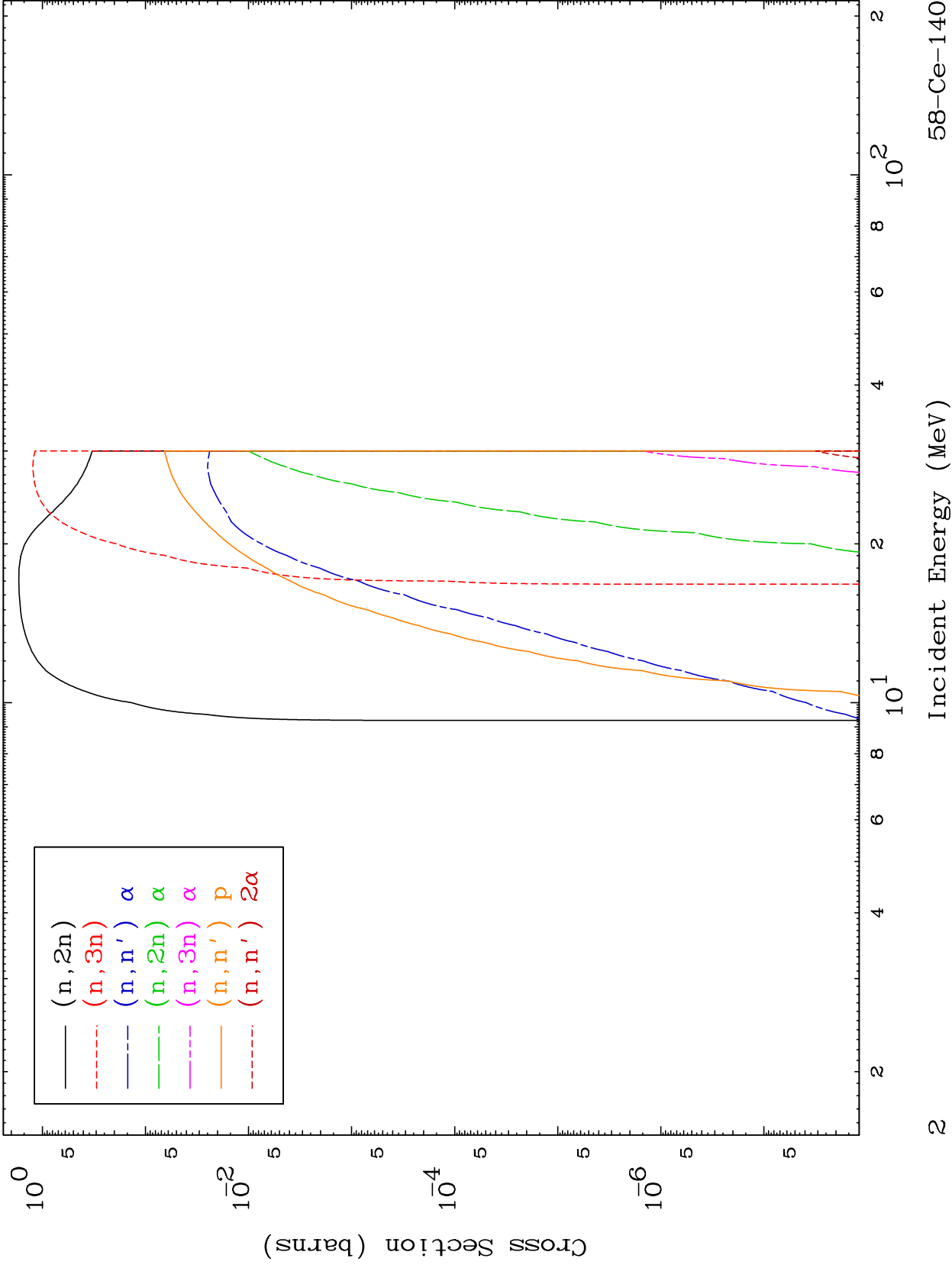
58-Ce-140

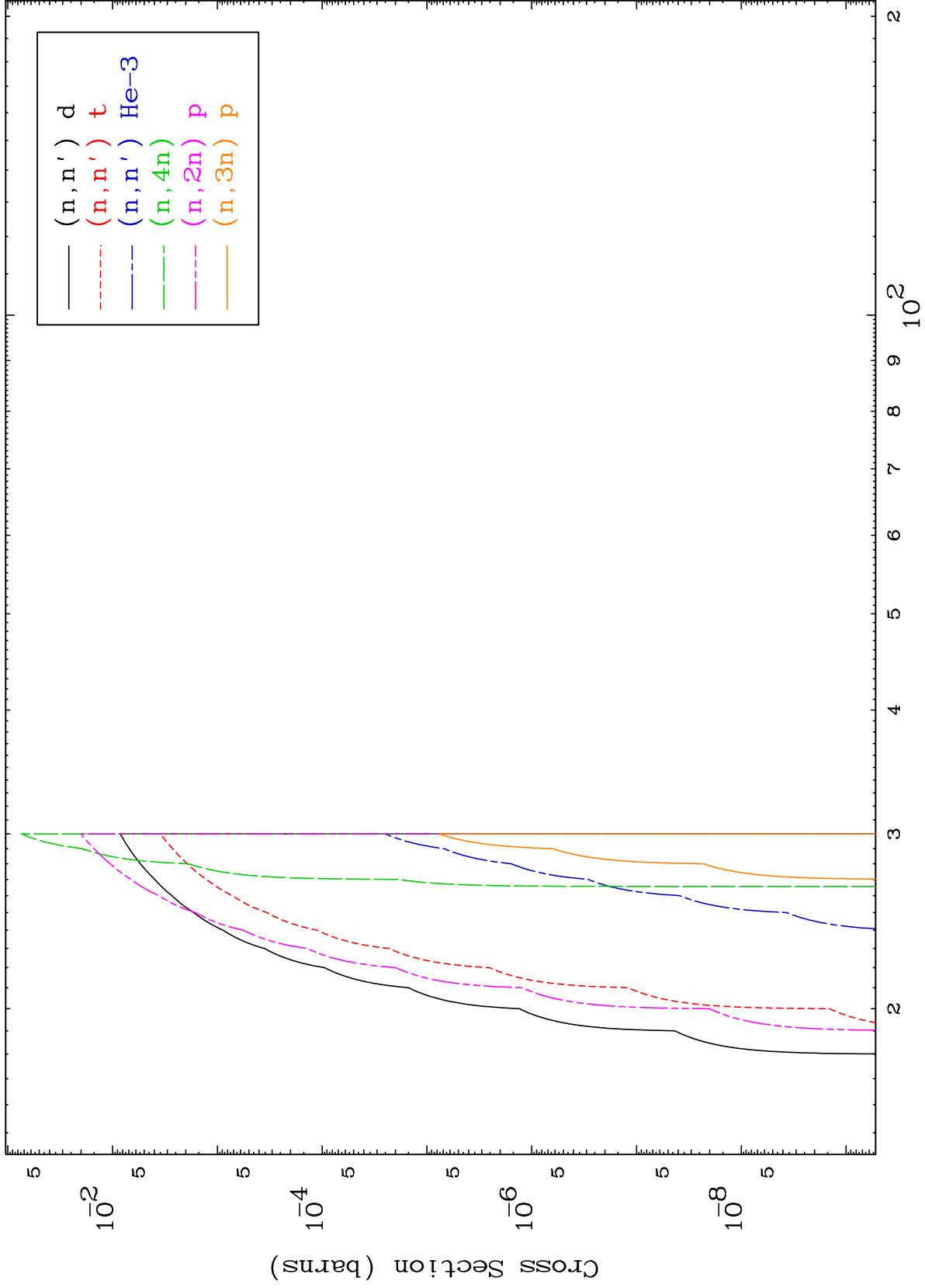


MAT 5837

Neutron Production
293 Kelvin Cross Sections

58-Ce-140

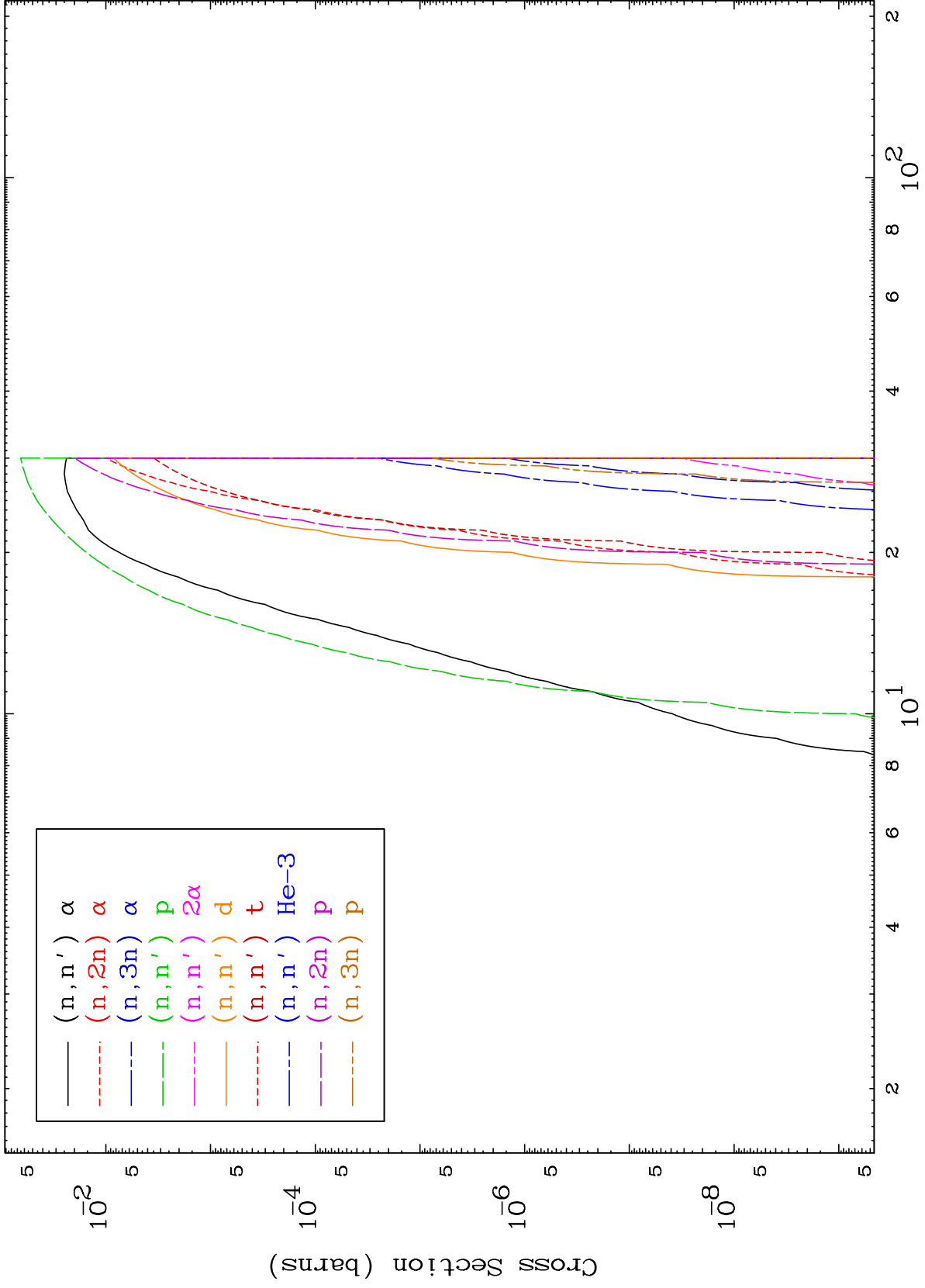




MAT 5837

Charged Particle
293 Kelvin Cross Sections

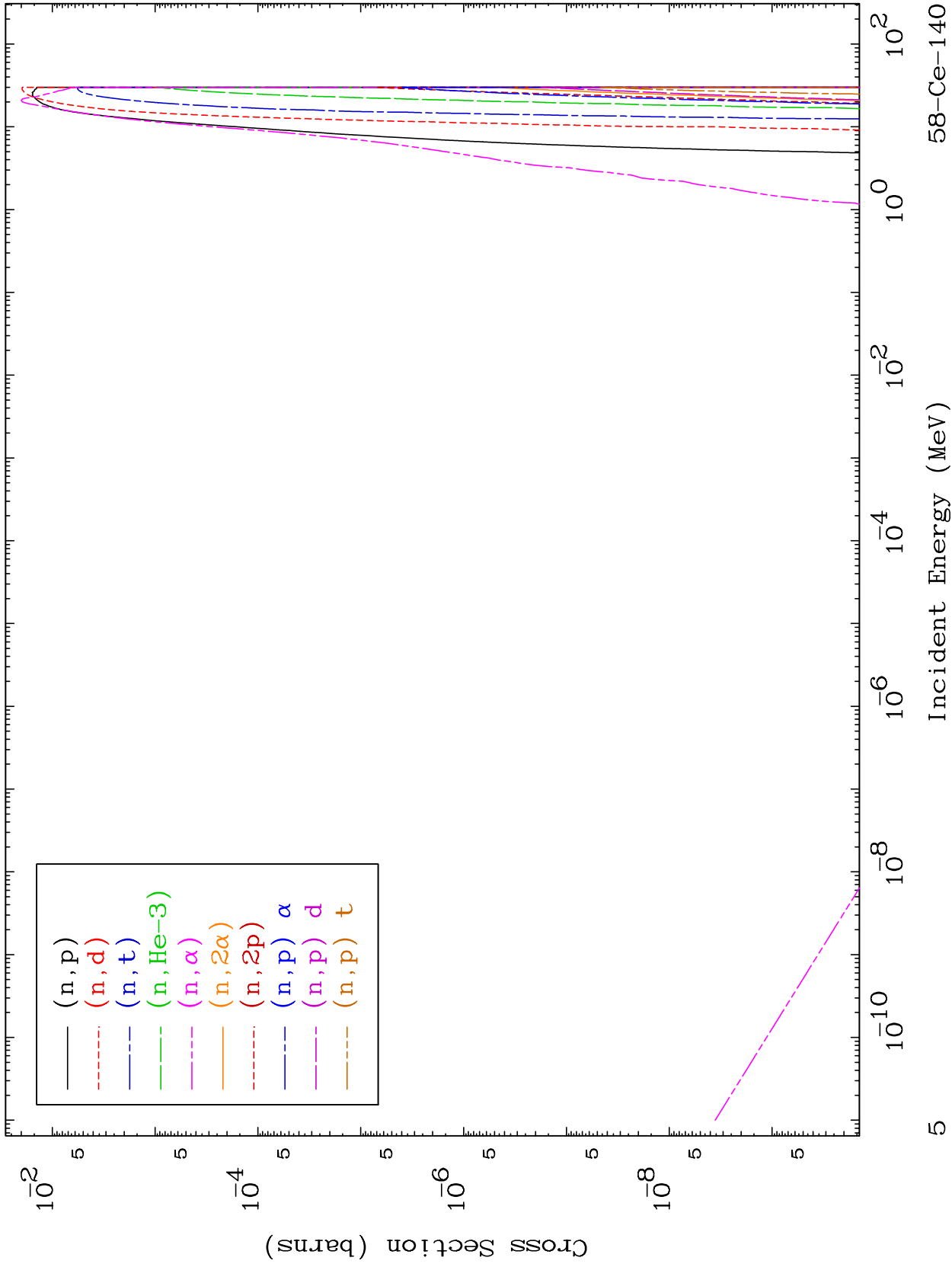
58-Ce-140



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Incident Energy (MeV)

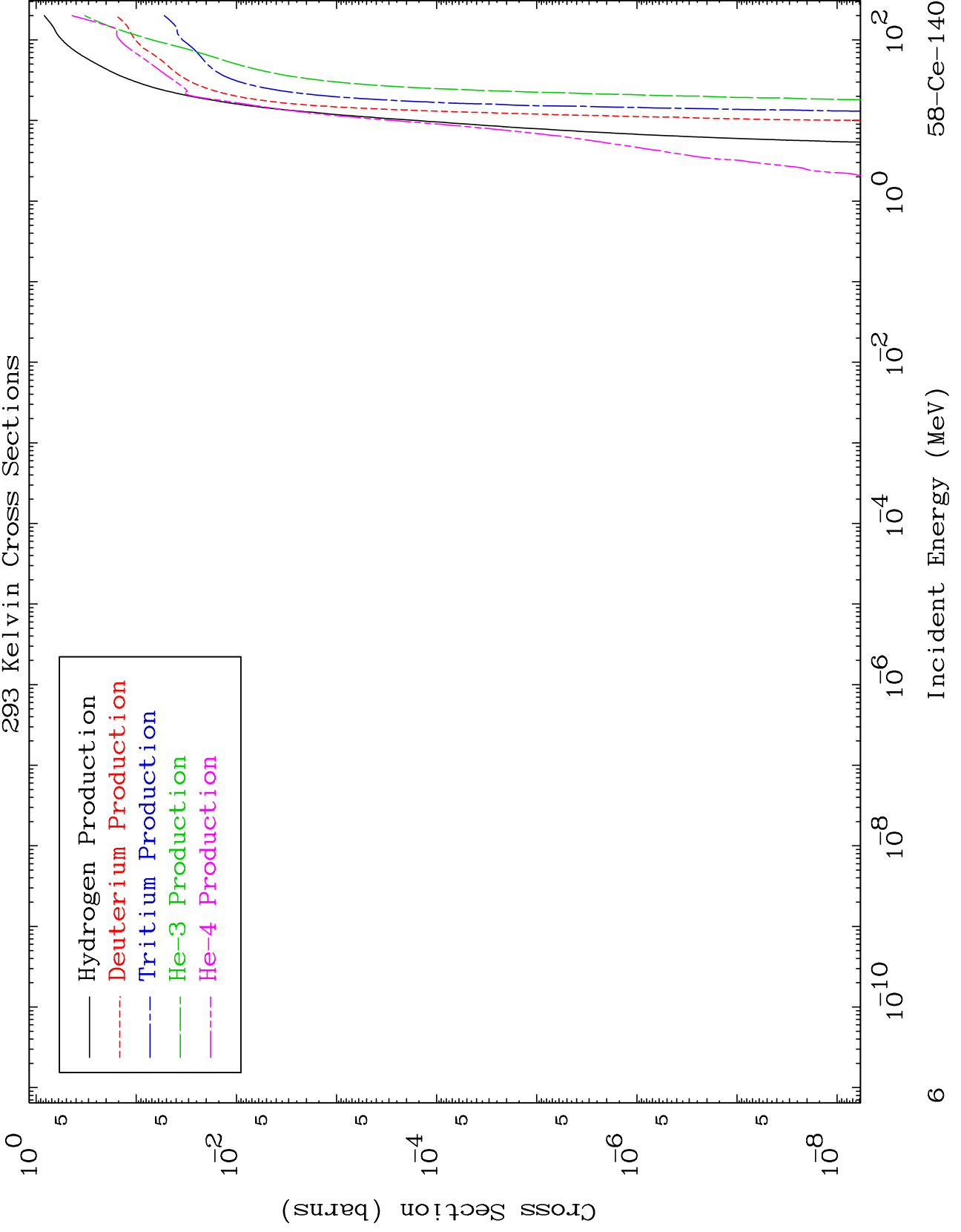
58-Ce-140



MAT 5837

Particle Production
293 Kelvin Cross Sections

58-Ce-140

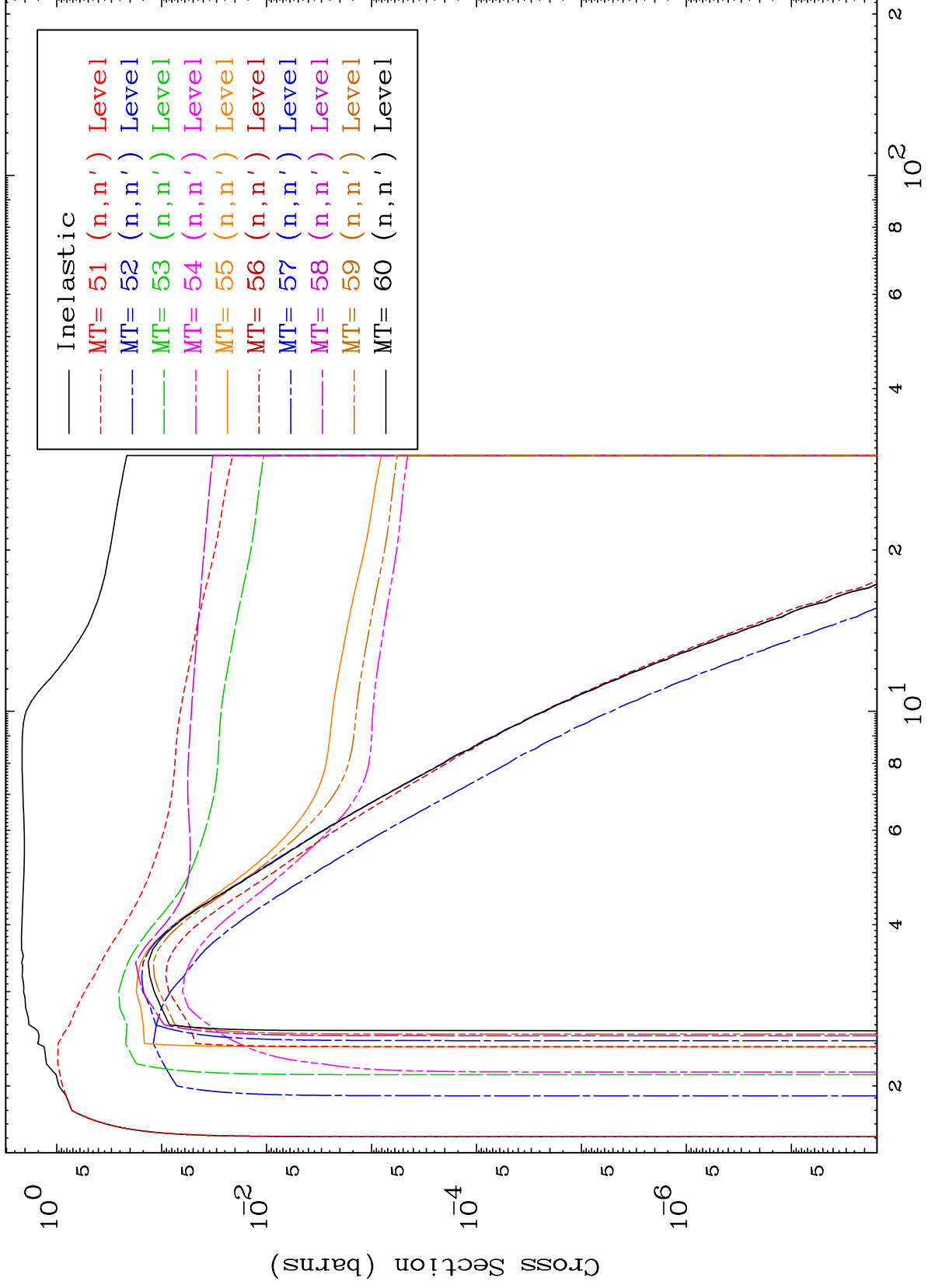


MAT 5837

(n,n') Level

58-Ce-140

293 Kelvin Cross Sections

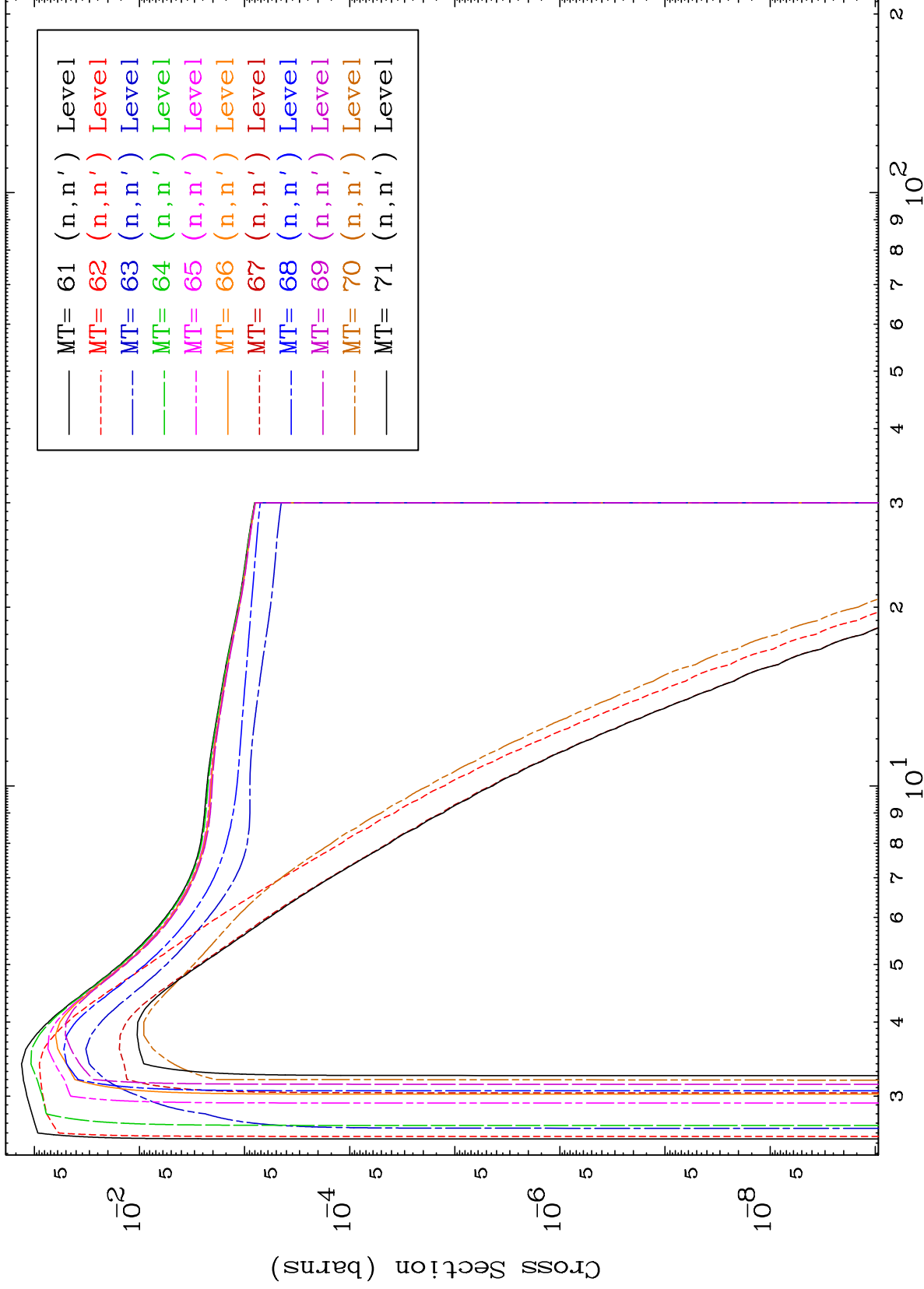


MAT 5837

(n,n') Level

58-Ce-140

293 Kelvin Cross Sections

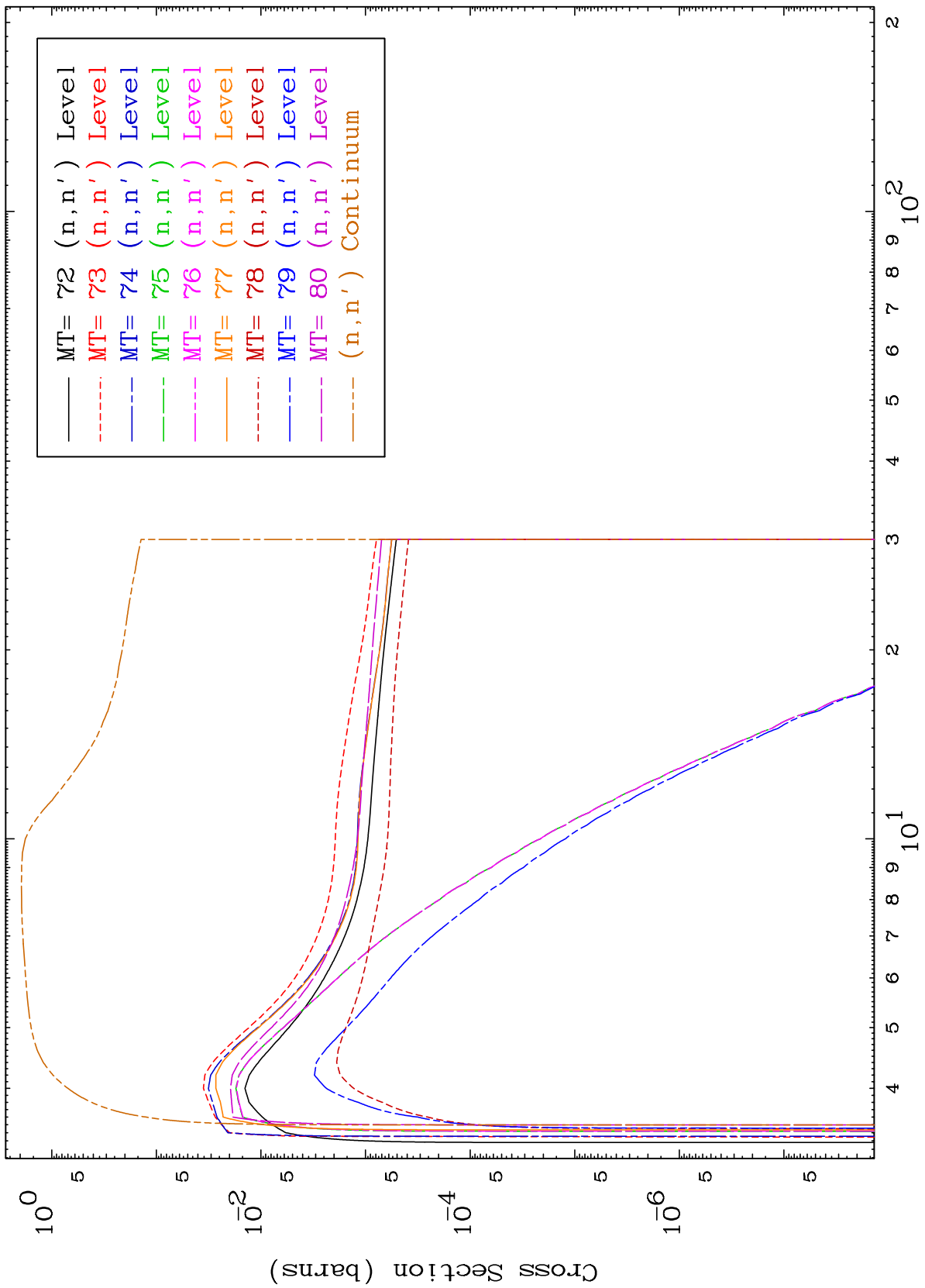


8

Incident Energy (MeV)

58-Ce-140

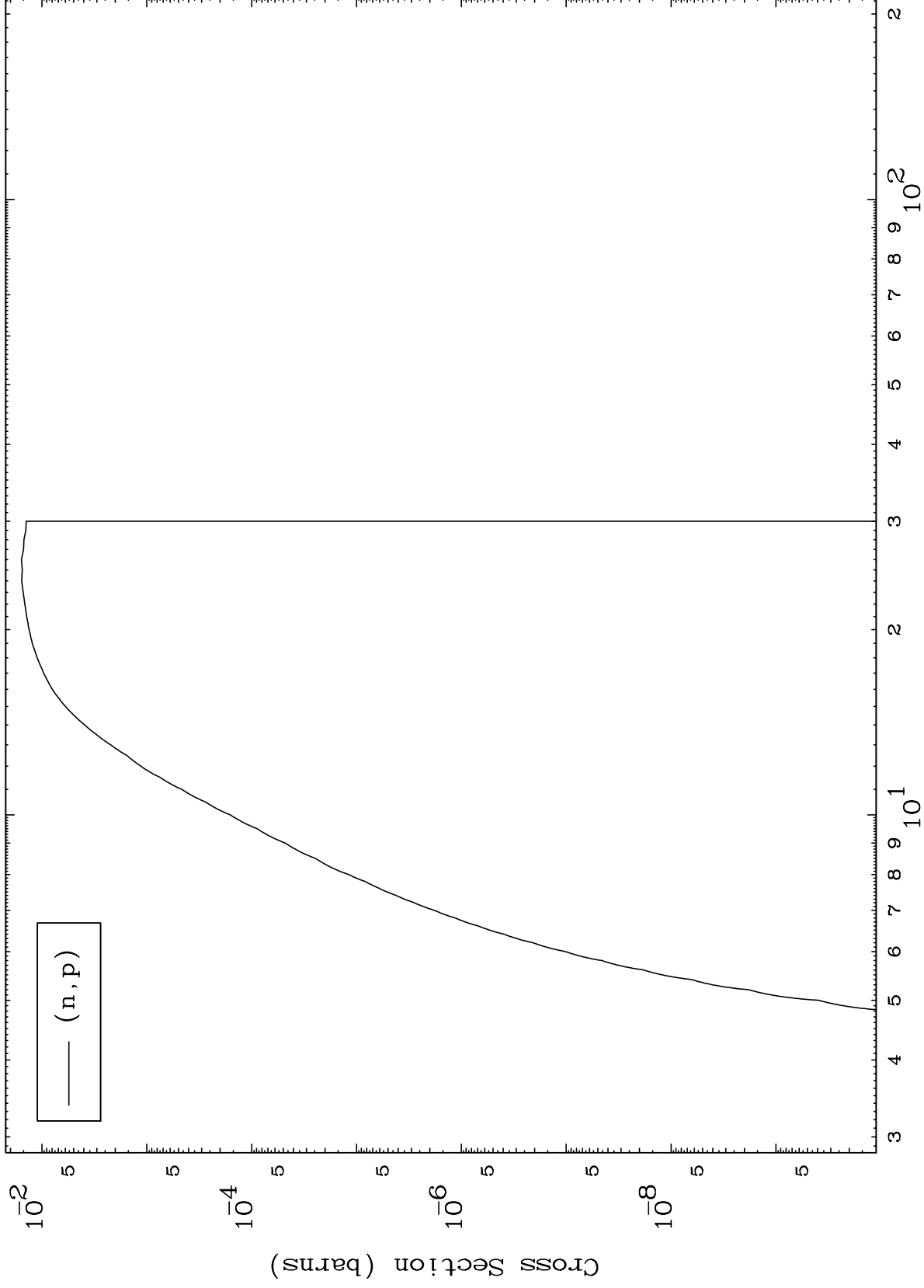
293 Kelvin Cross Sections



MAT 5837

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-140



10

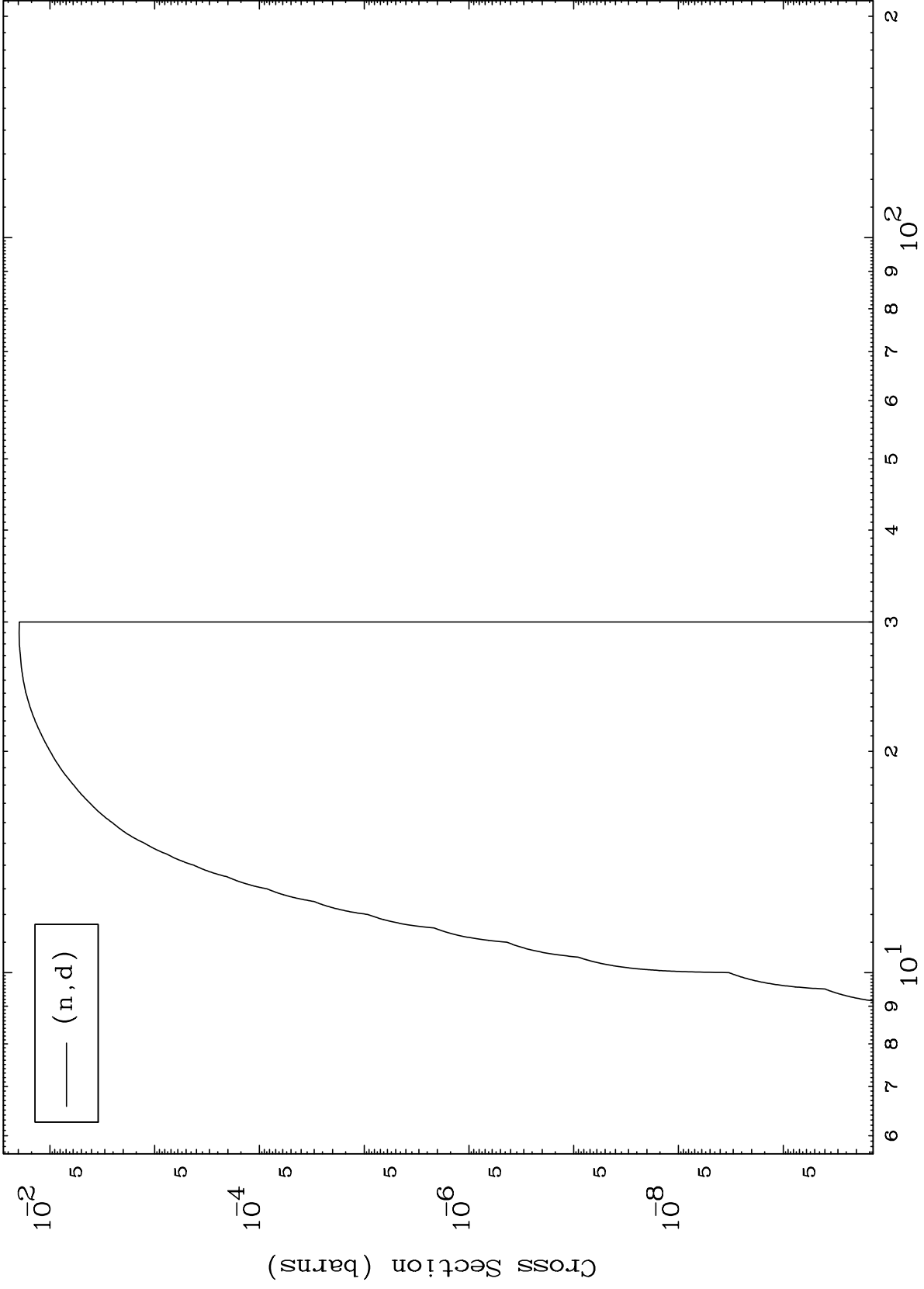
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-140



11

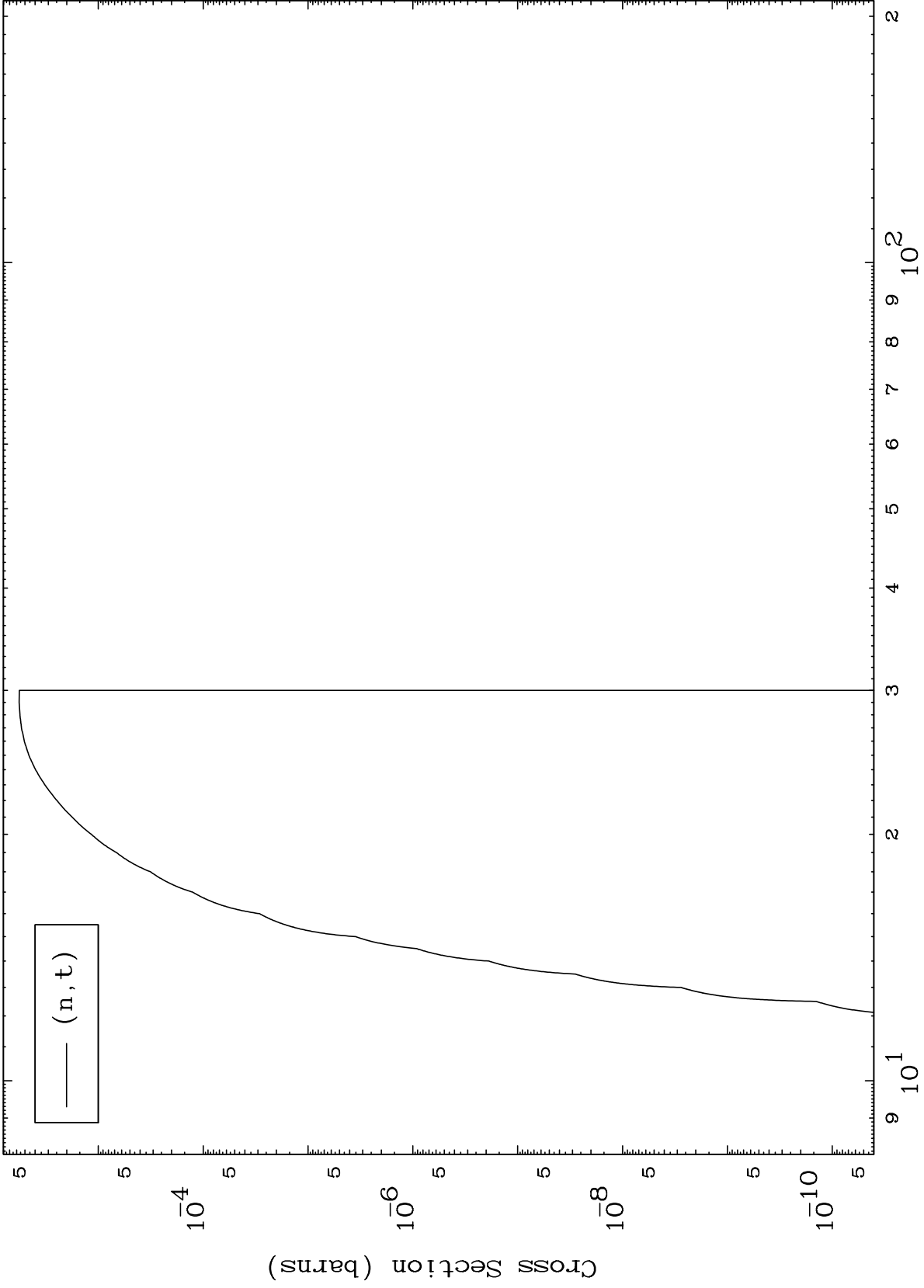
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-140



12

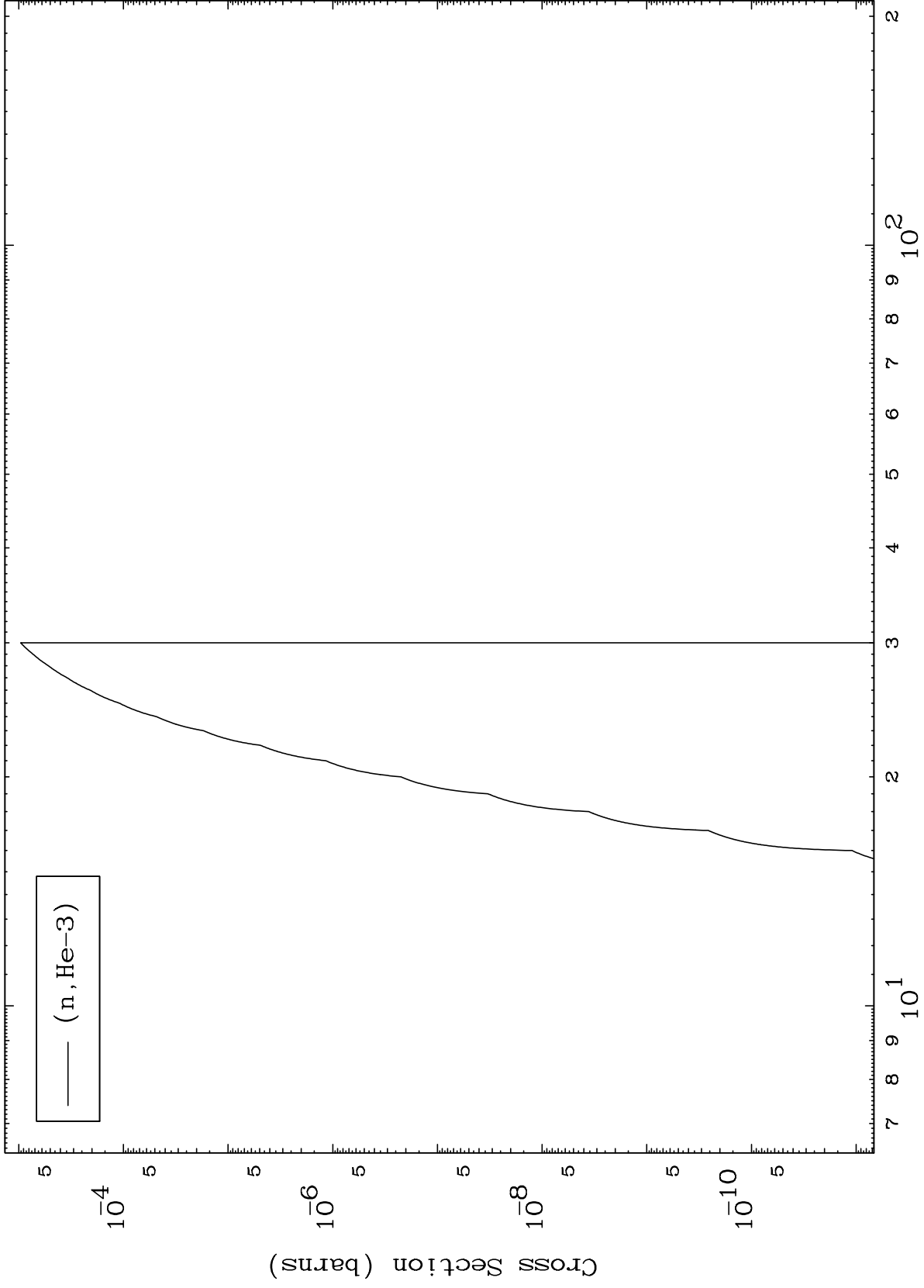
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-140



13

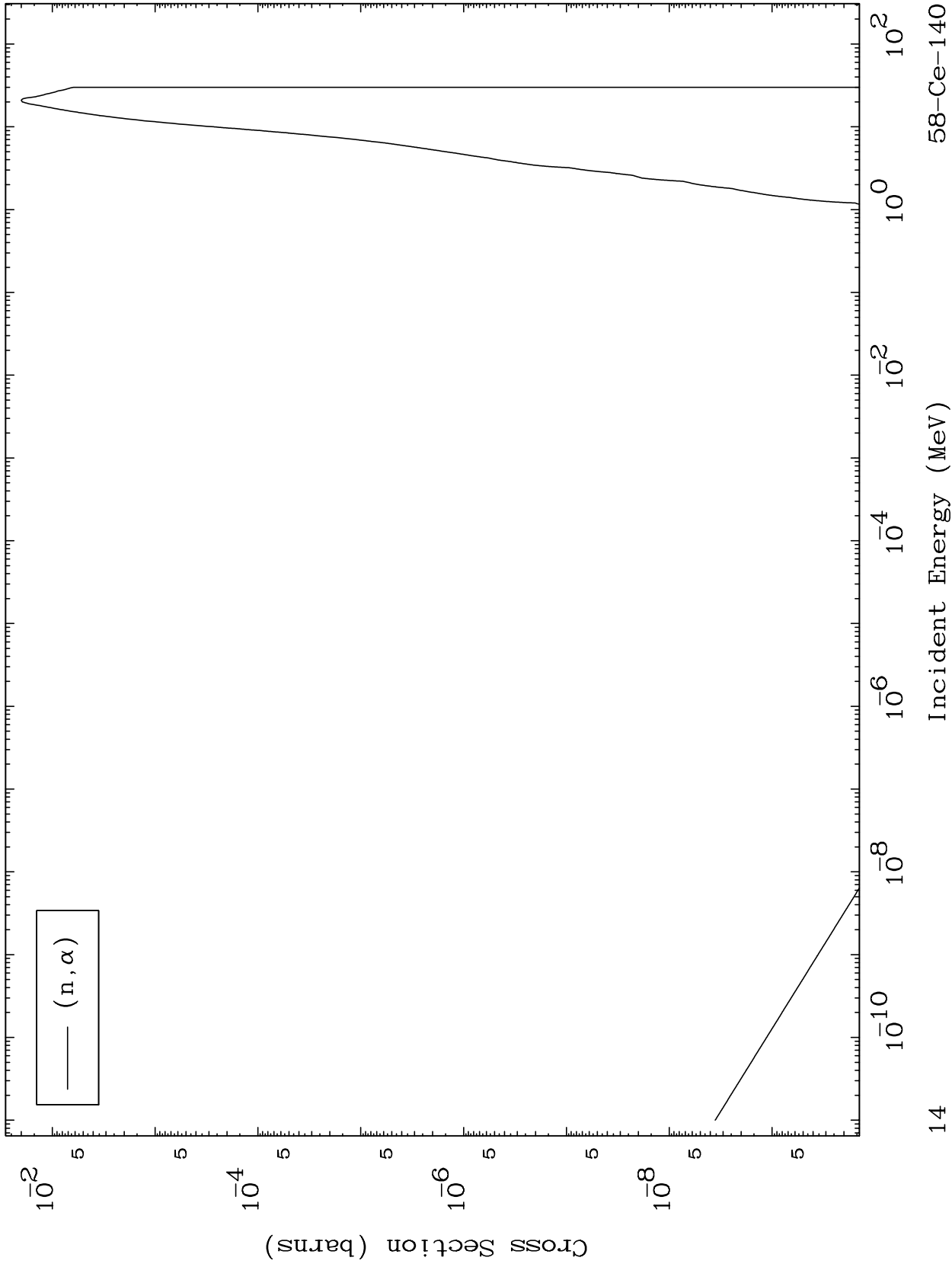
Incident Energy (MeV)

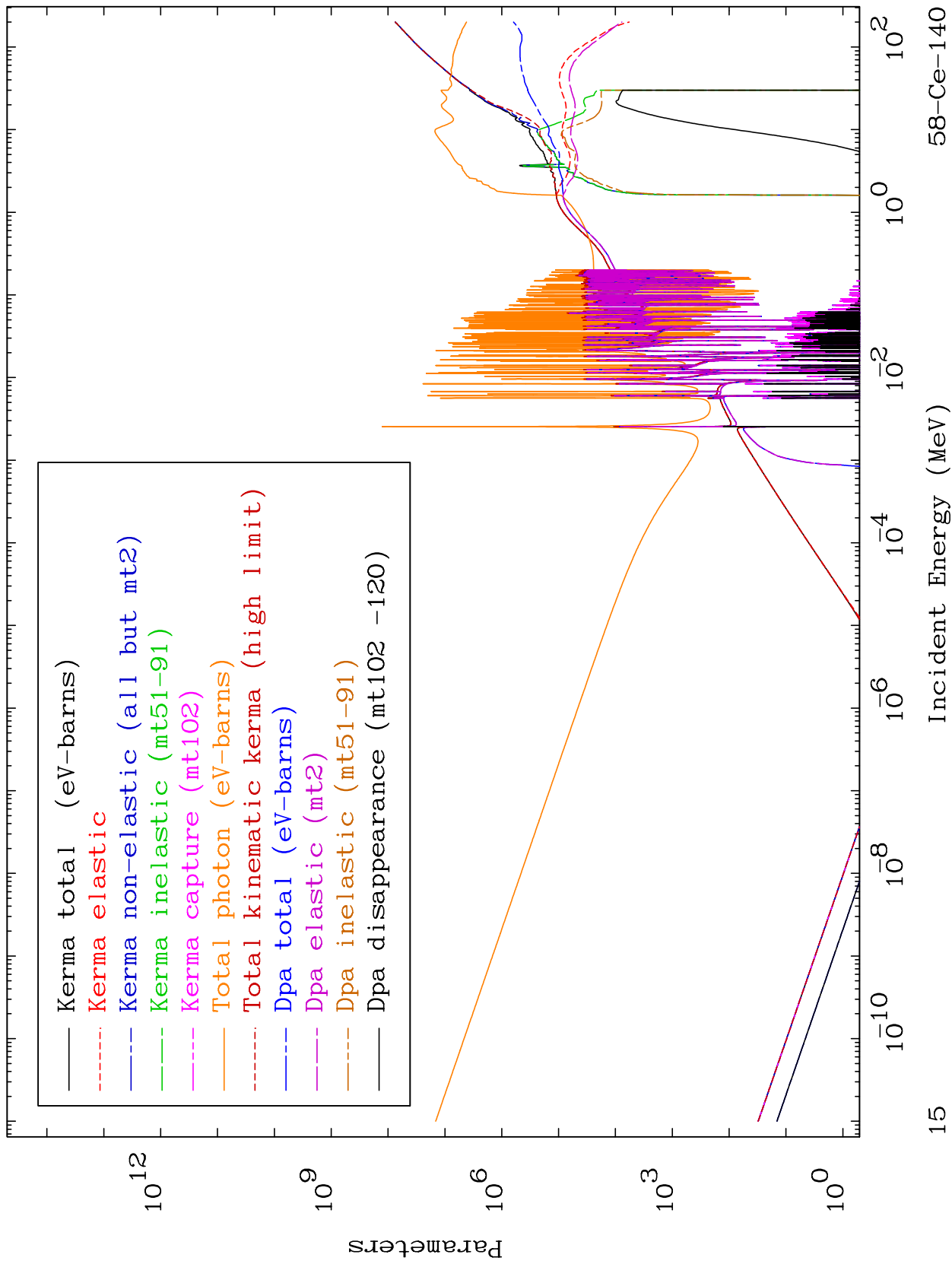
58-Ce-140

MAT 5837

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-140

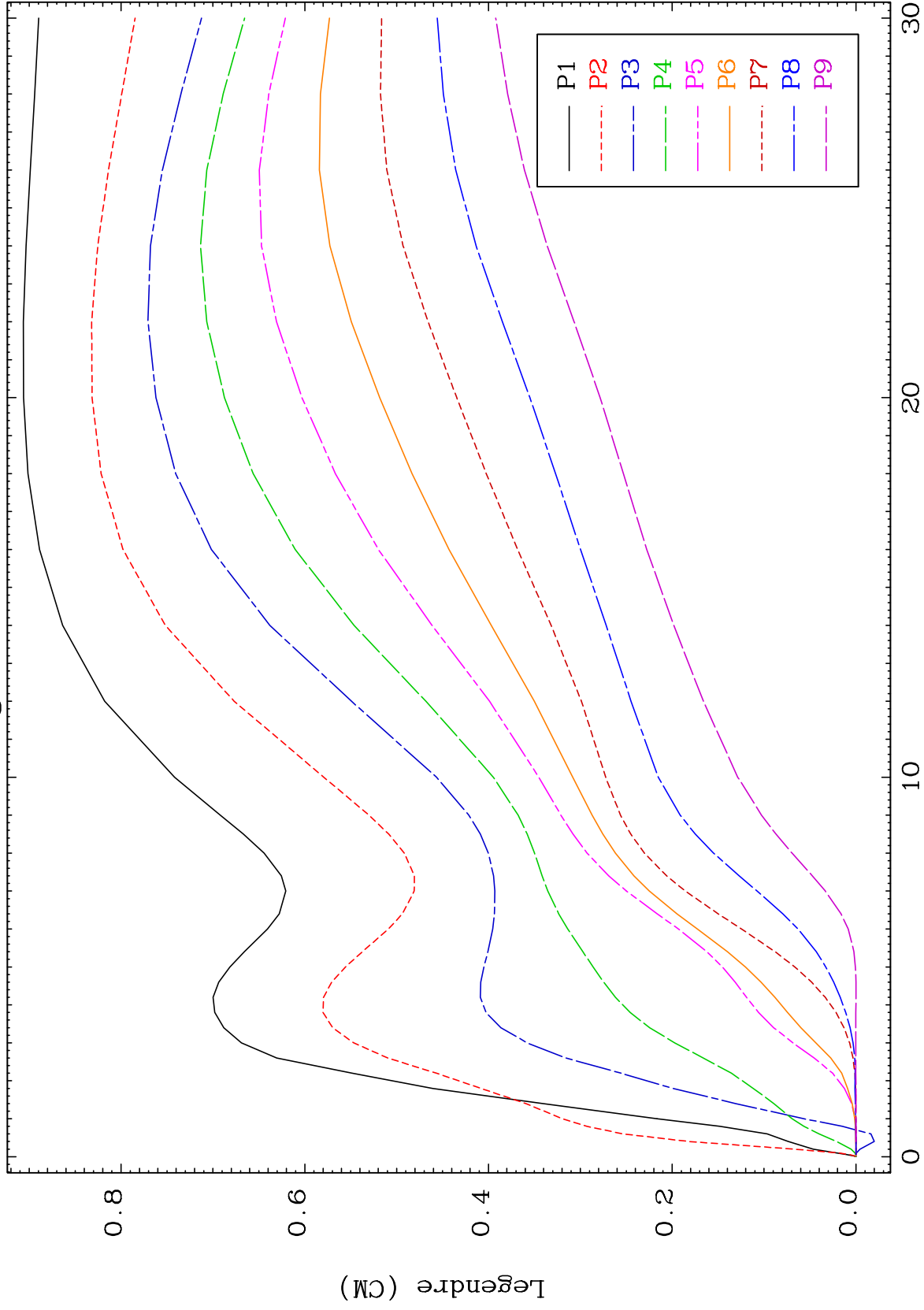




MAT 5837

Elastic Legendre Coefficients

58-Ce-140



16

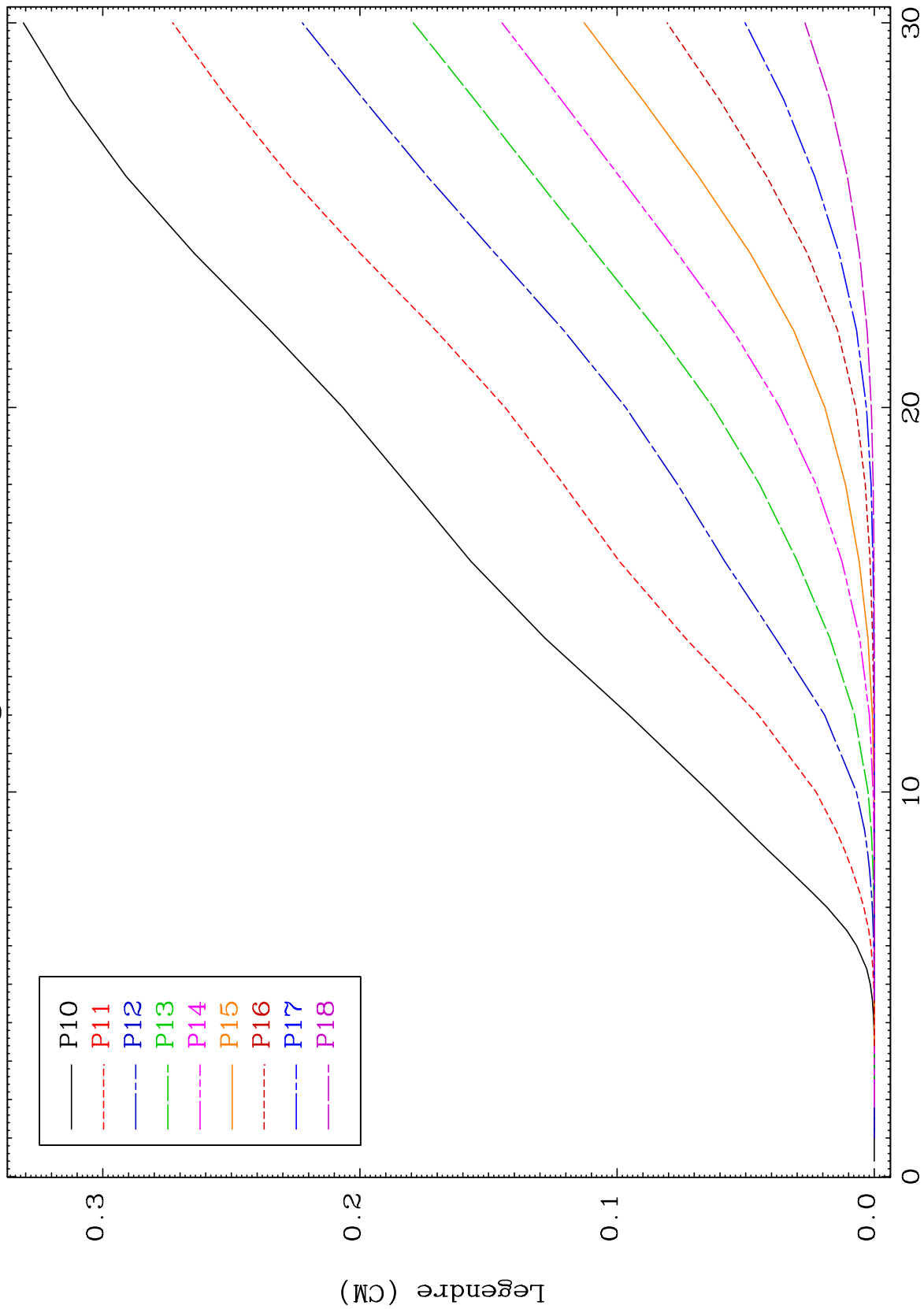
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



17

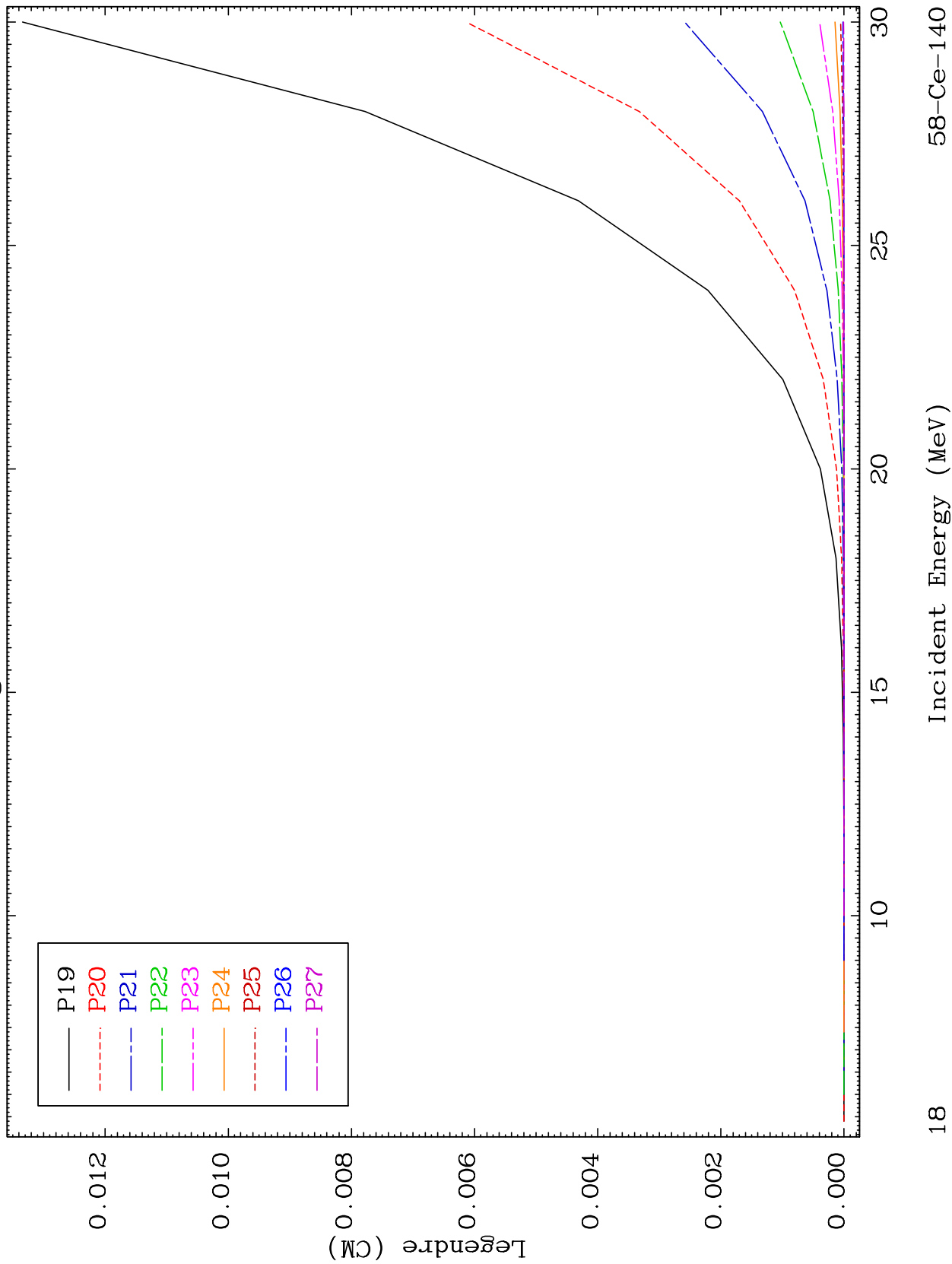
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



18

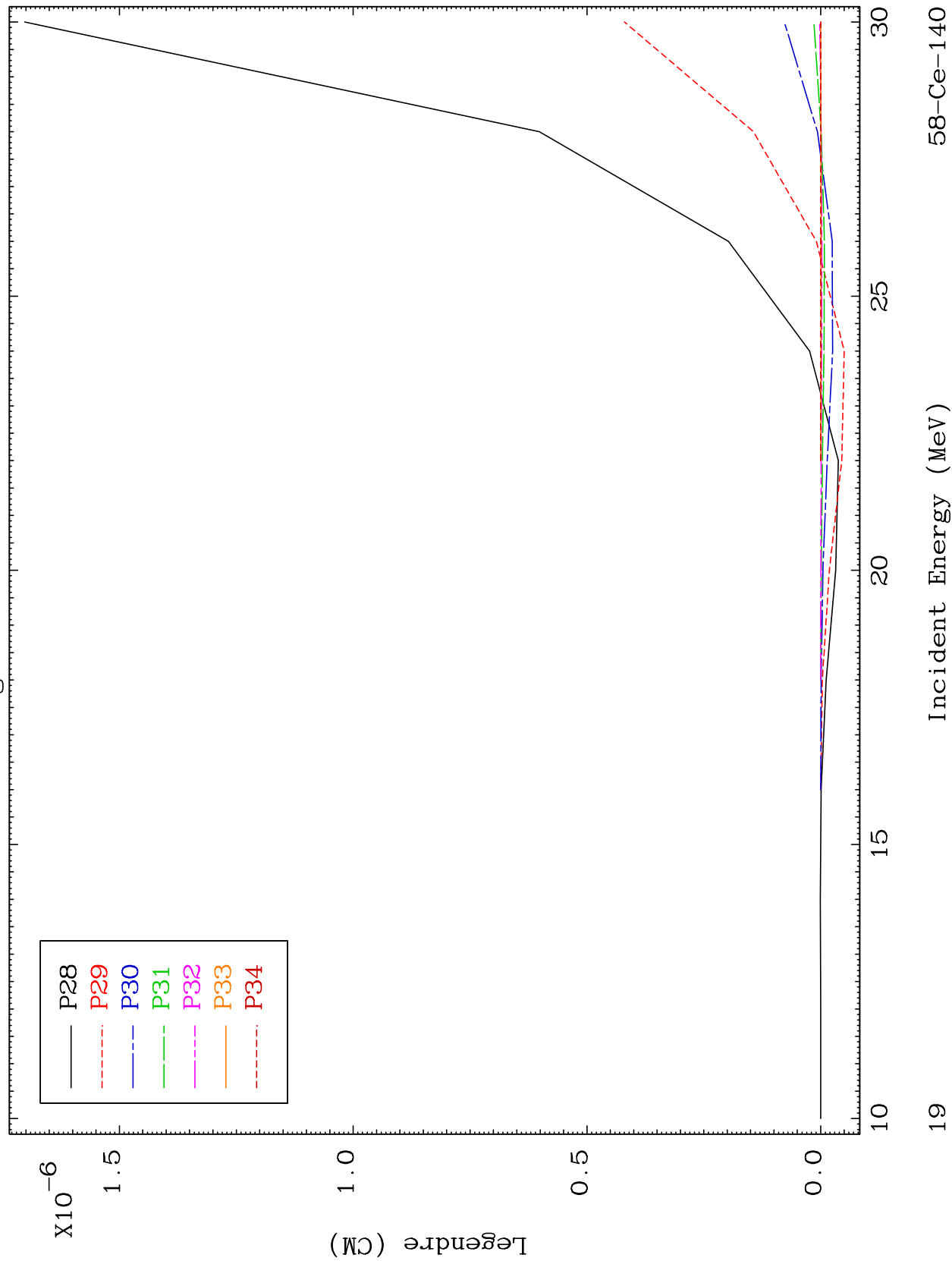
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



58-Ce-140

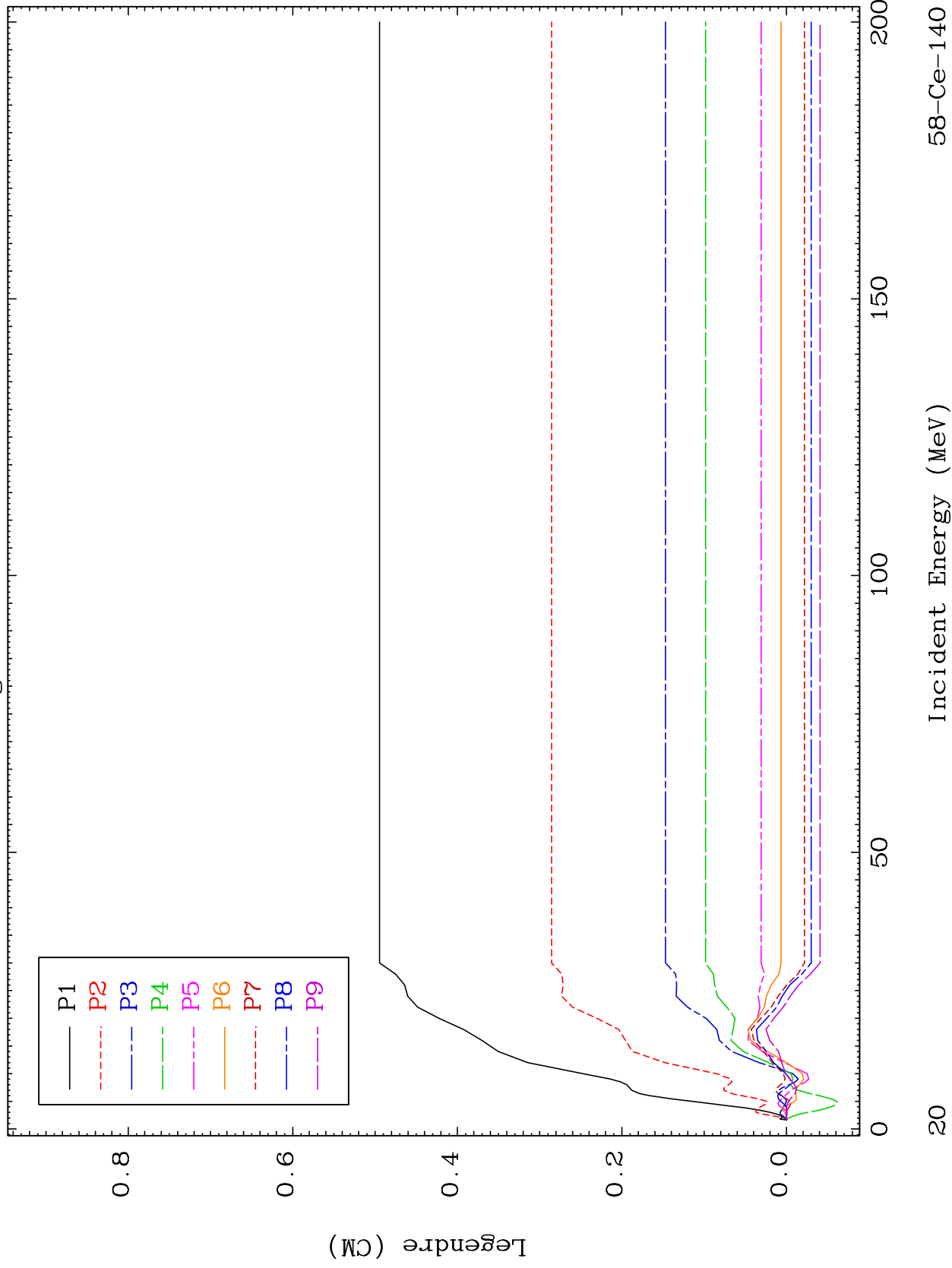
Incident Energy (MeV)

19

MAT 5837

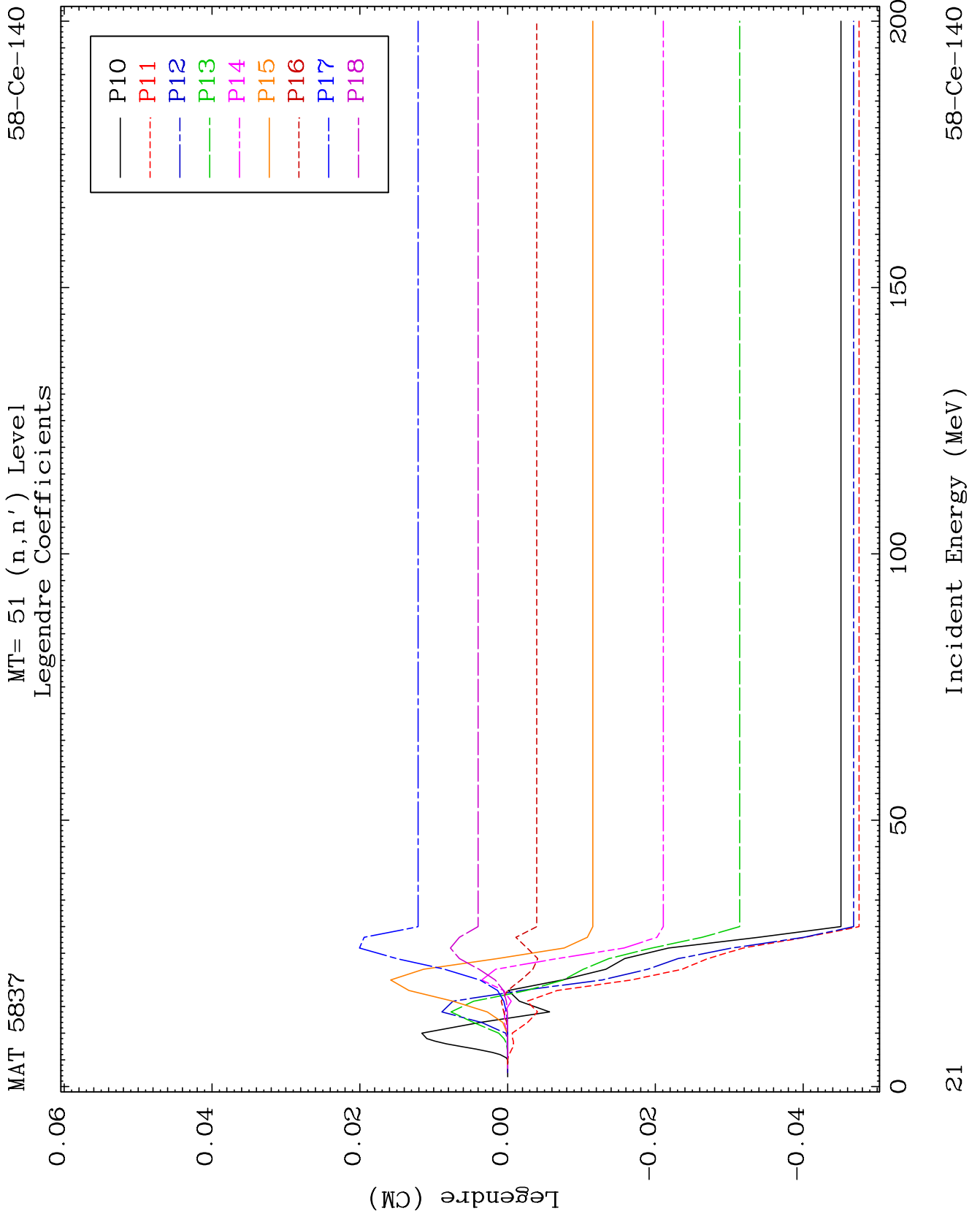
MT= 51 (n,n') Level
Legendre Coefficients

58-Ce-140



58-Ce-140

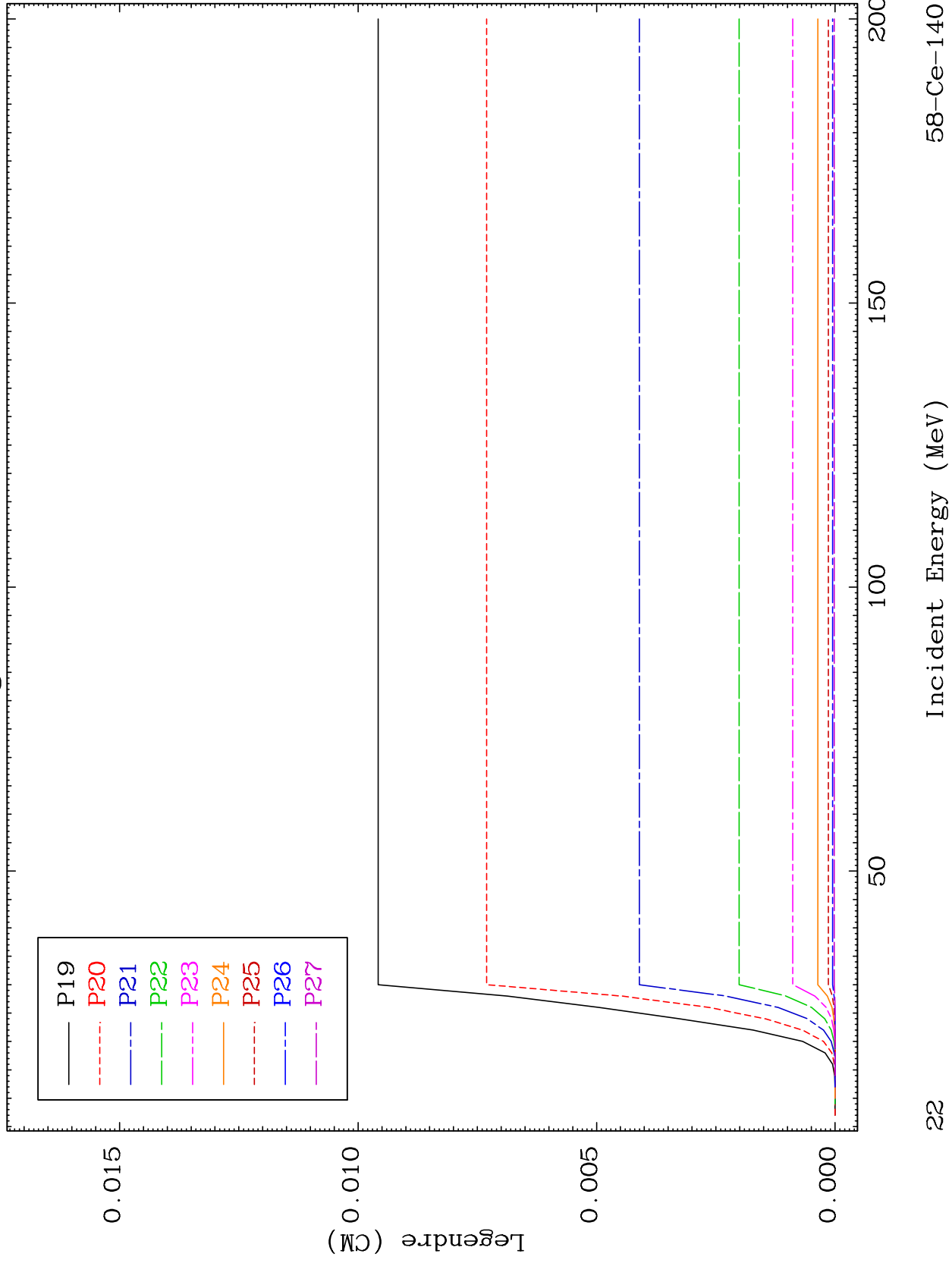
Incident Energy (MeV)



MAT 5837

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

58-Ce-140



22

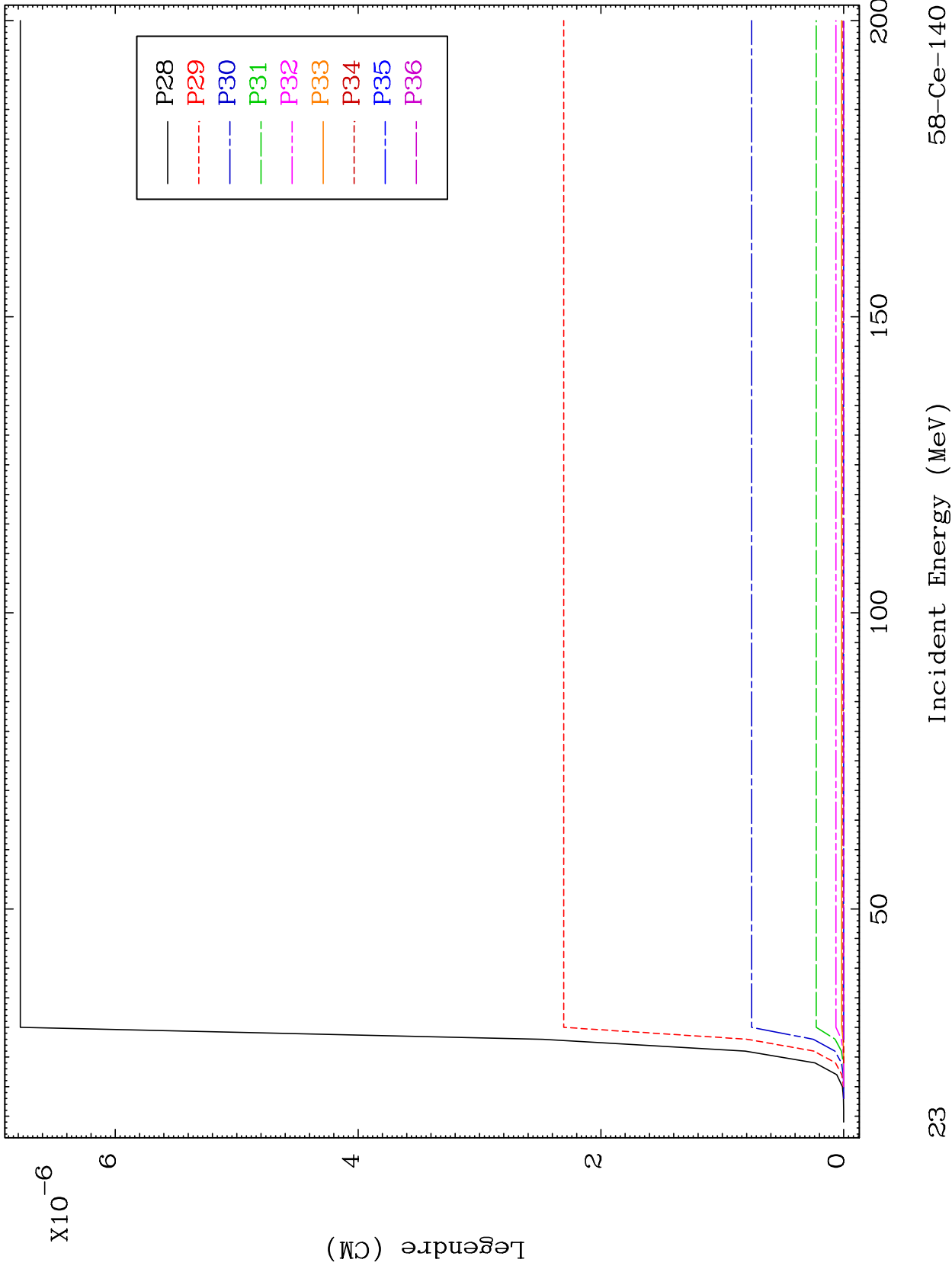
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

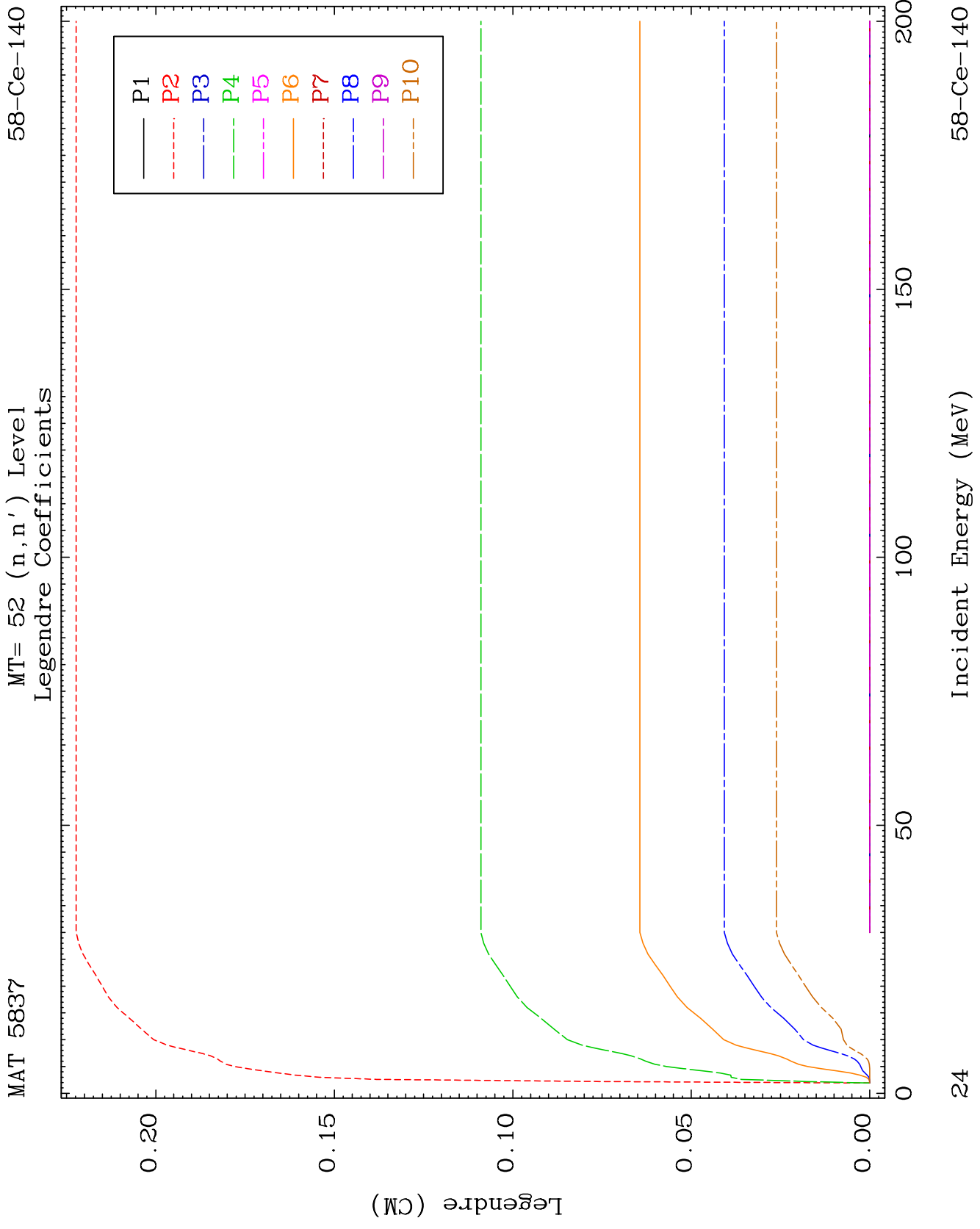
58-Ce-140

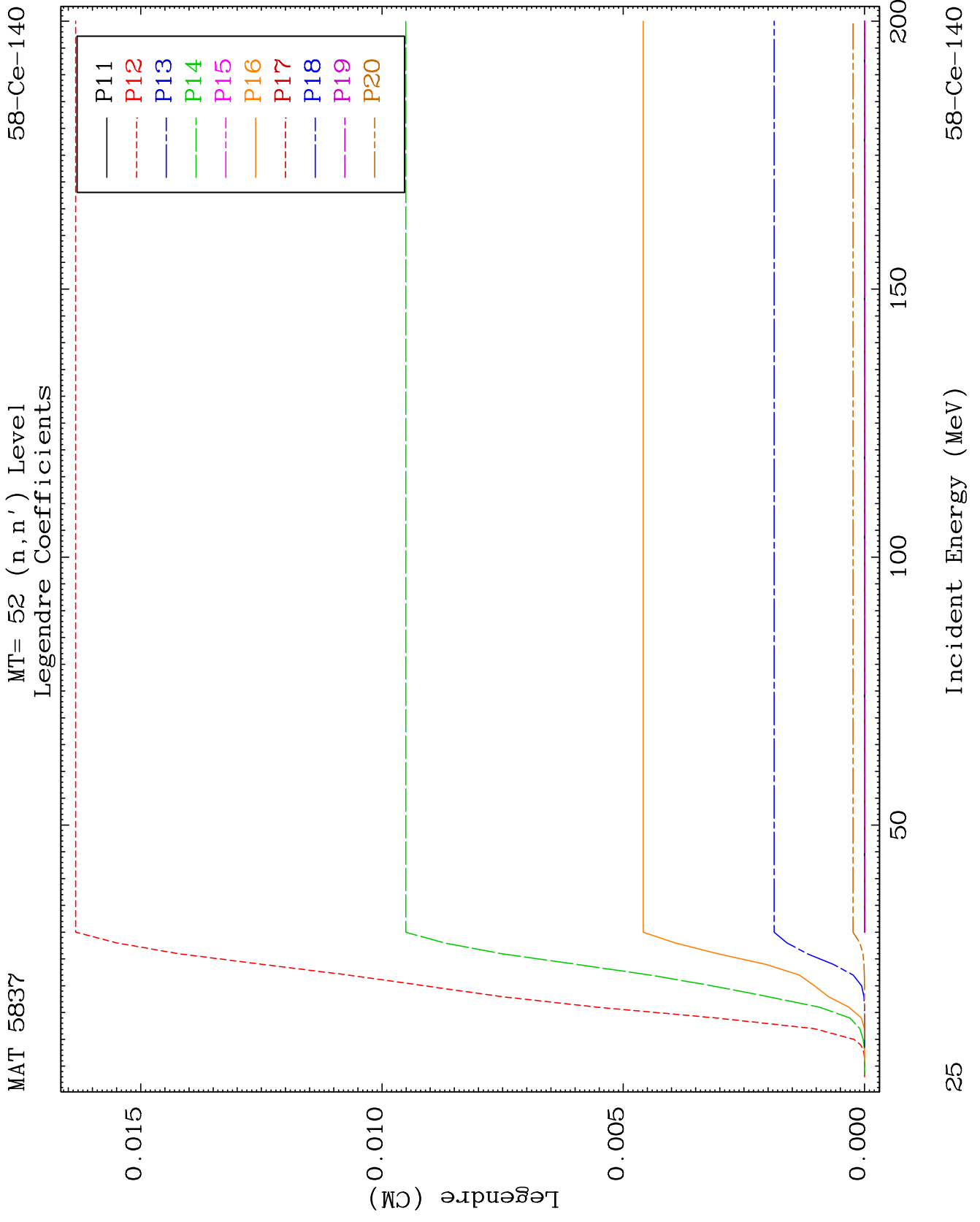


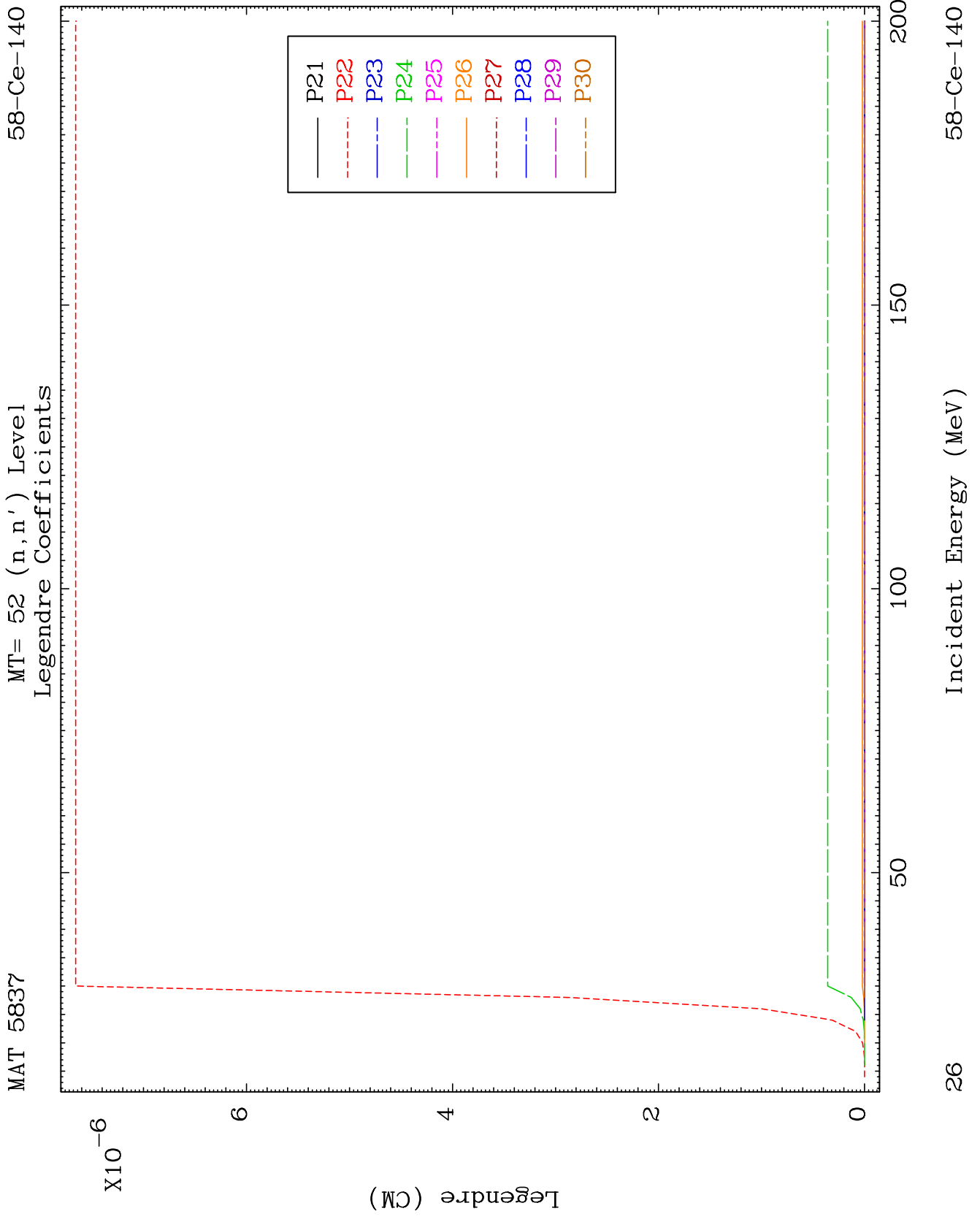
23

Incident Energy (MeV)

58-Ce-140



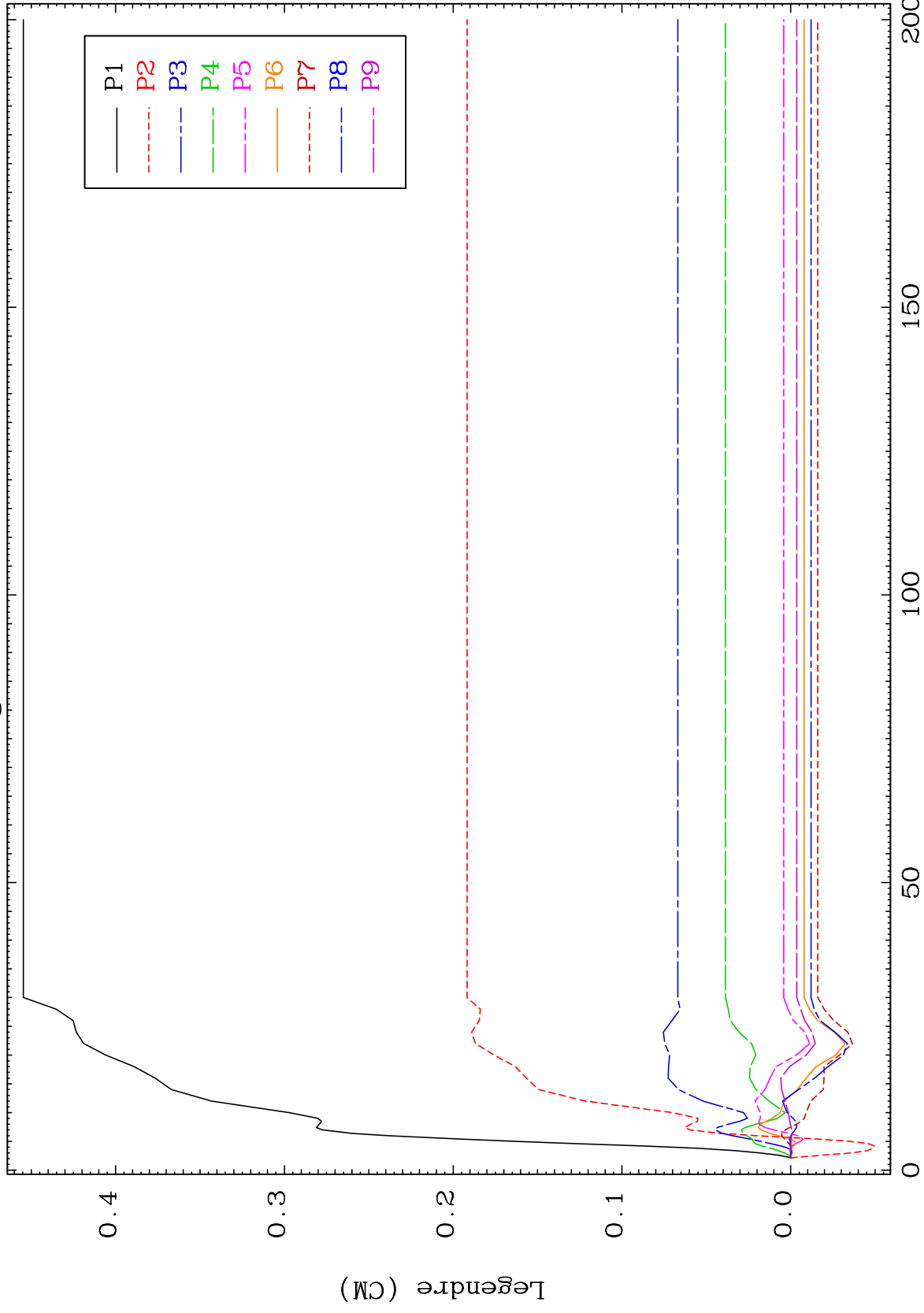




MAT 5837

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

58-Ce-140



27

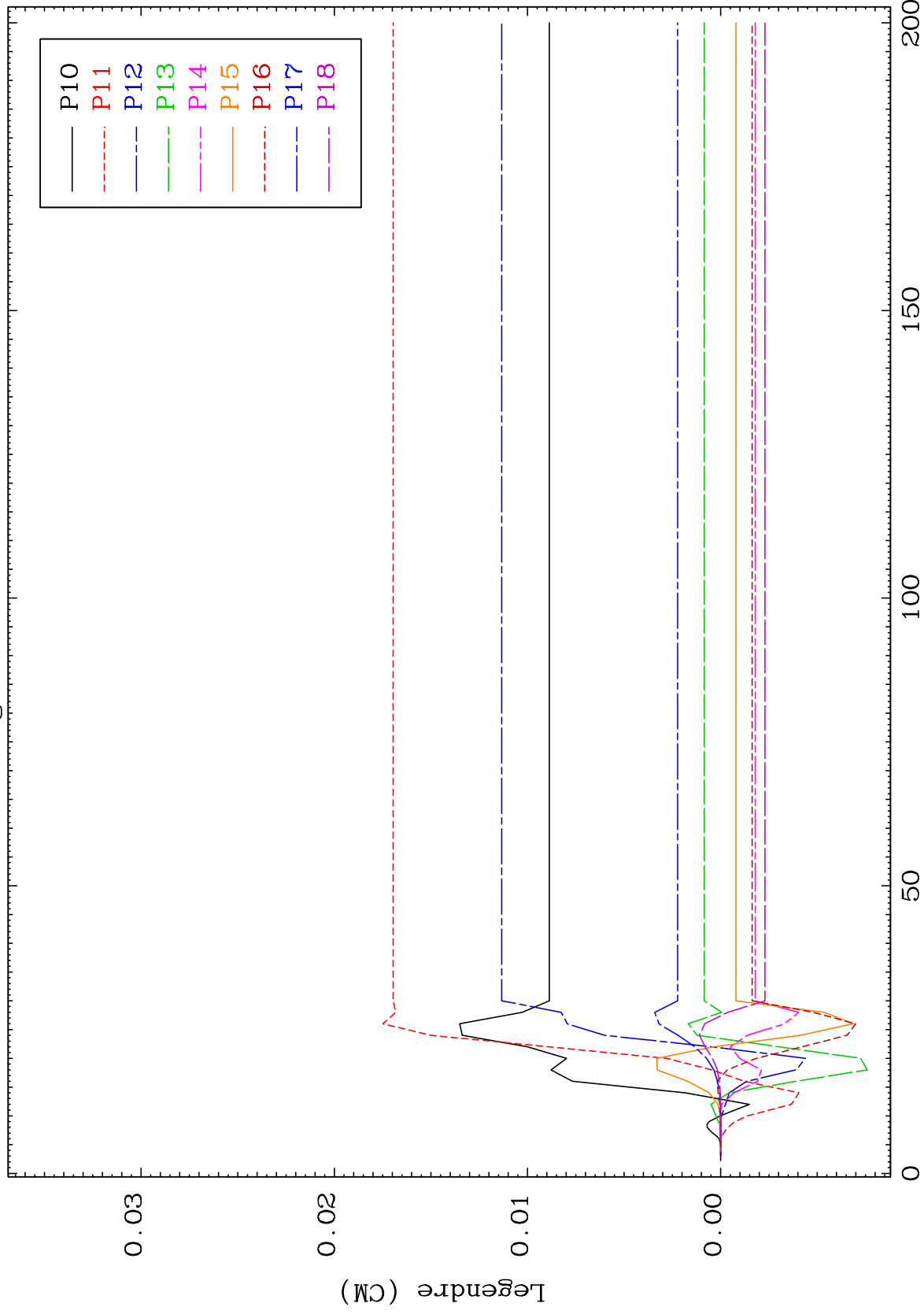
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



28

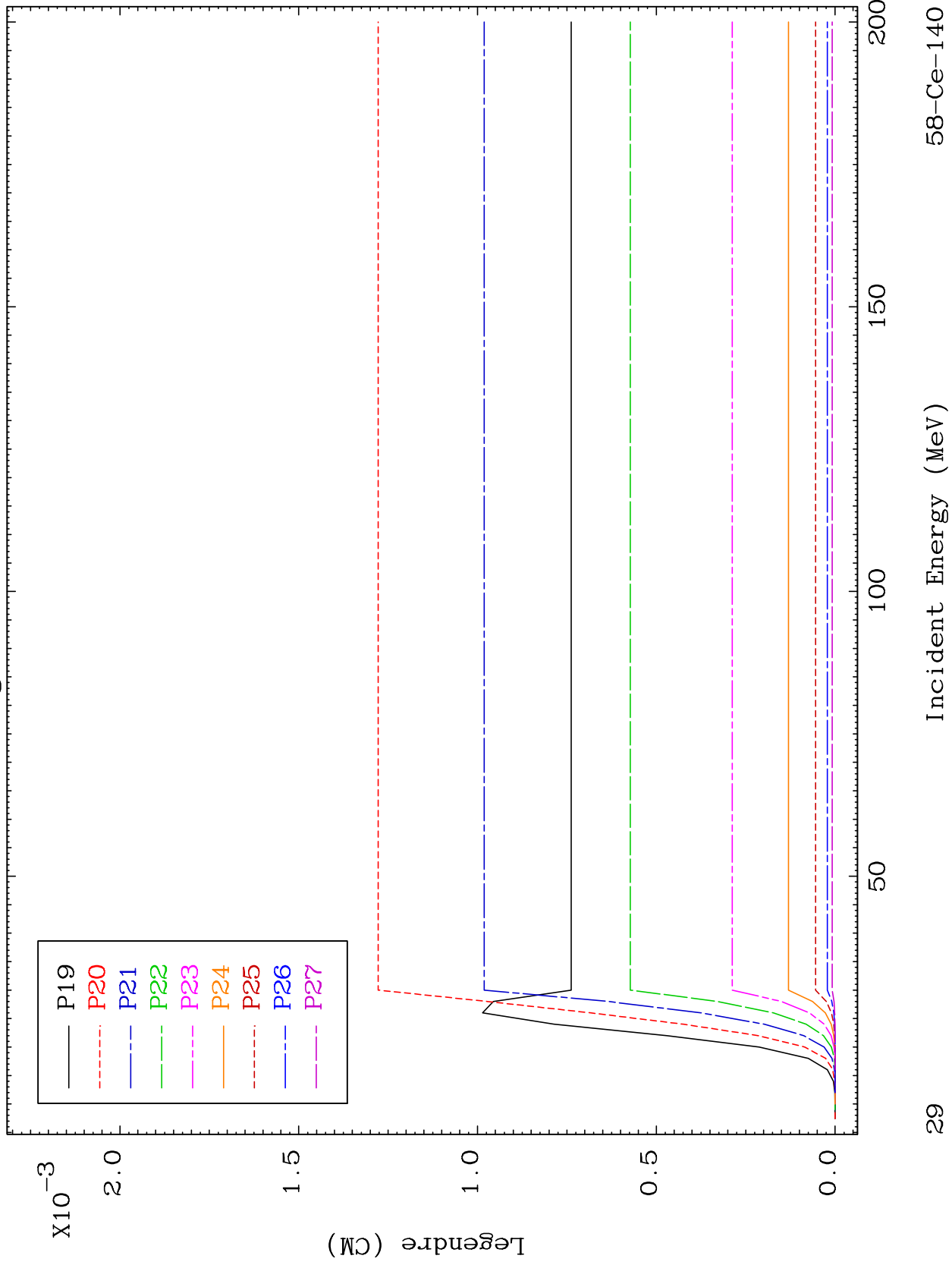
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

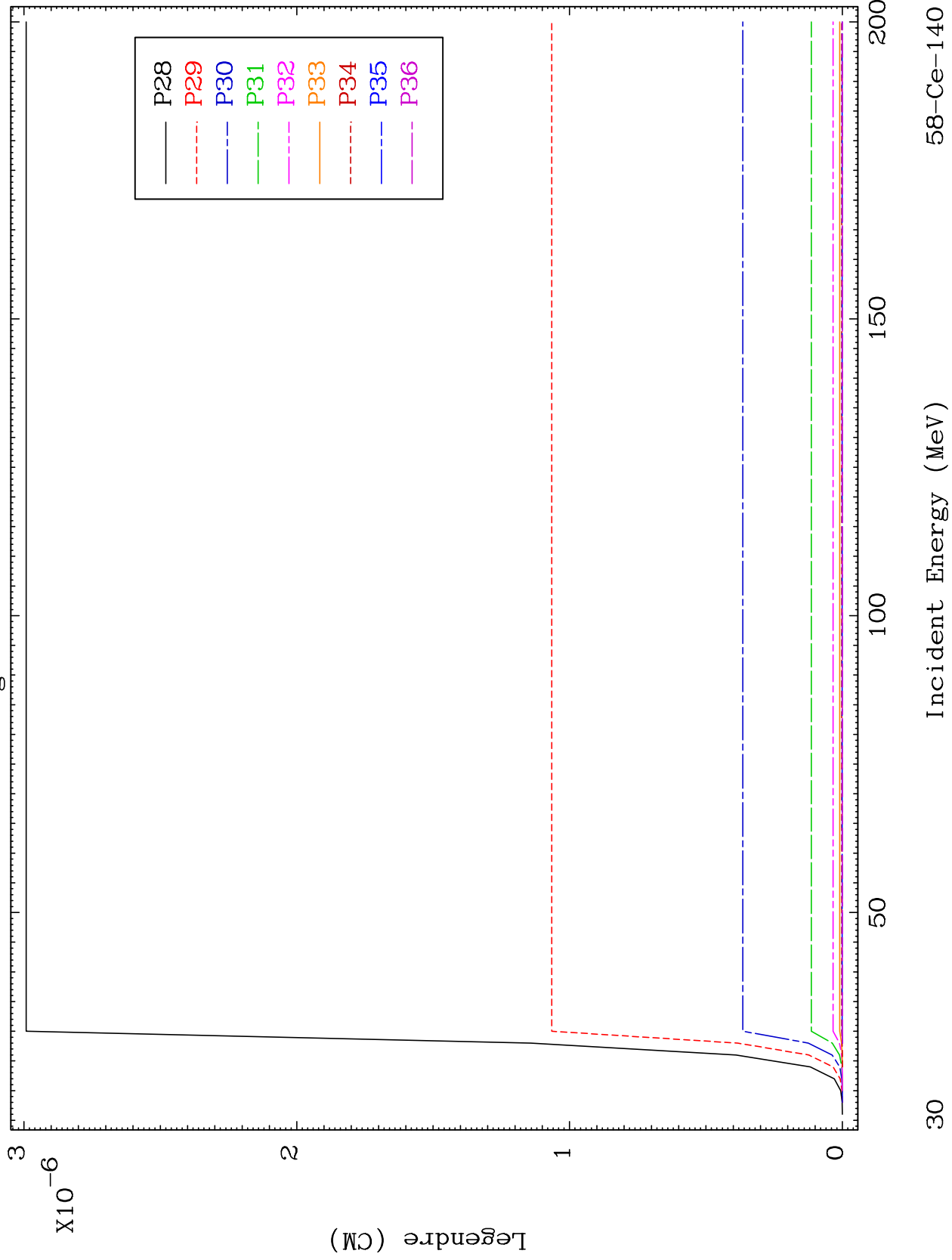
58-Ce-140



MAT 5837

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

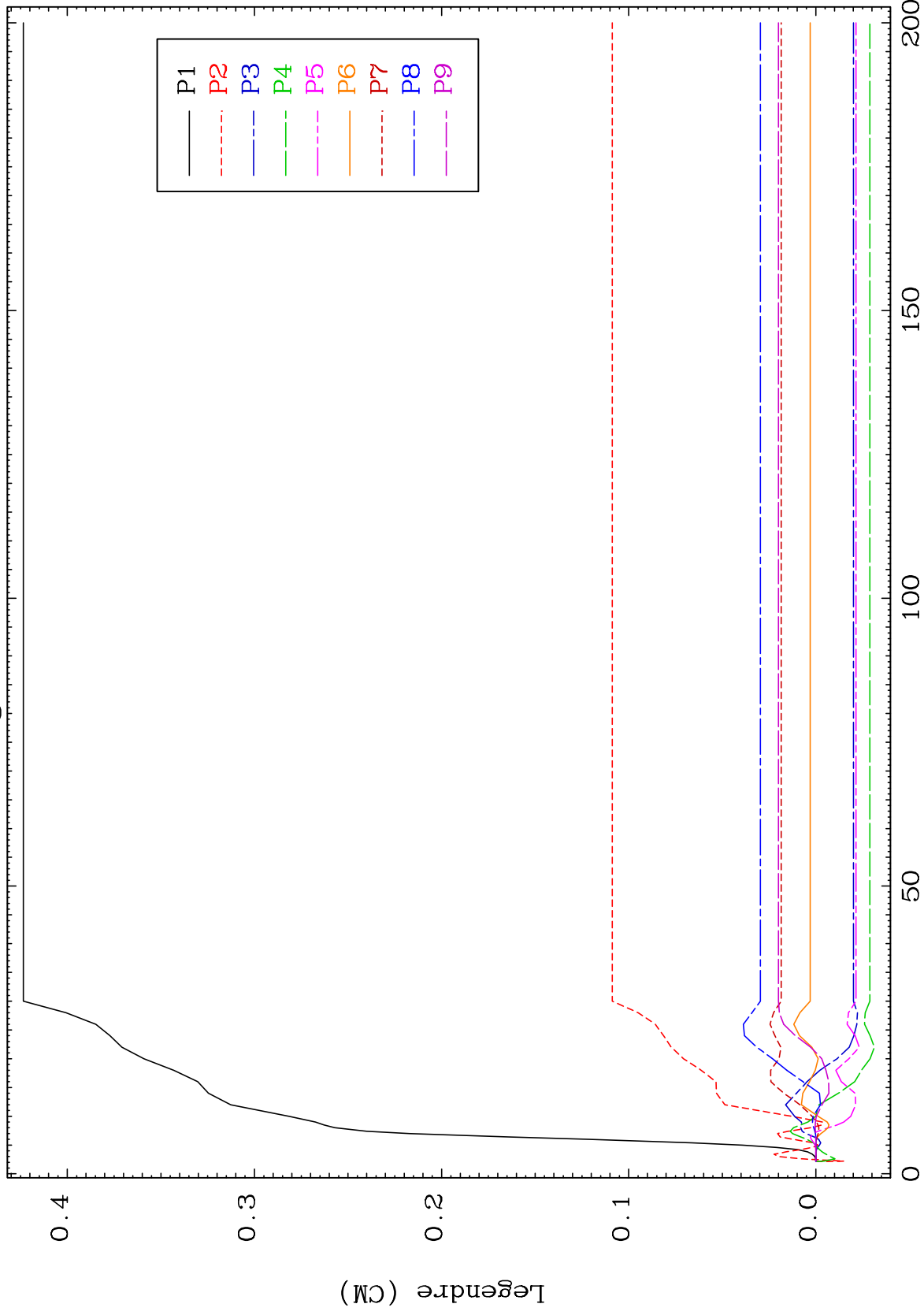
58-Ce-140



MAT 5837

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

58-Ce-140



31

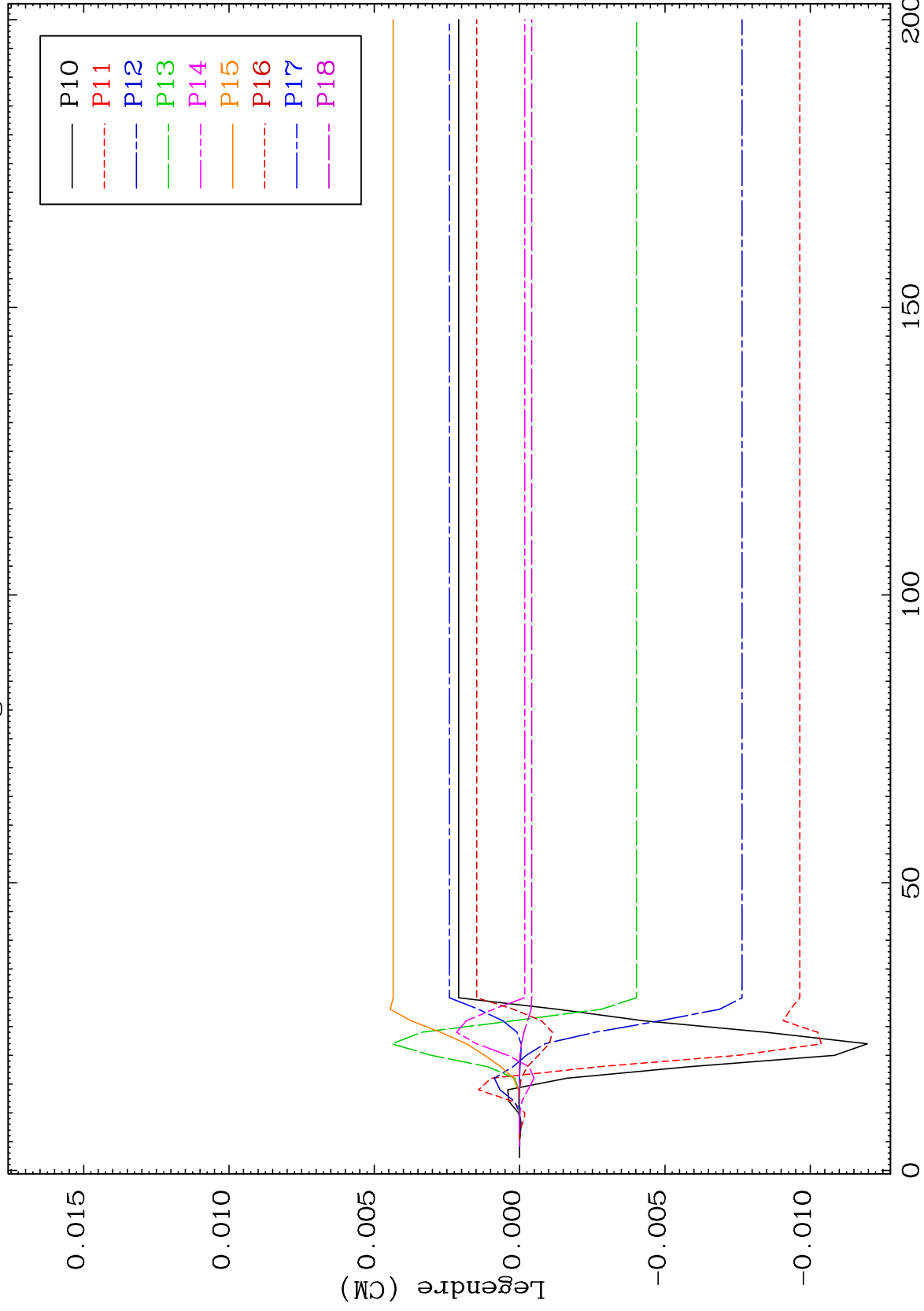
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



32

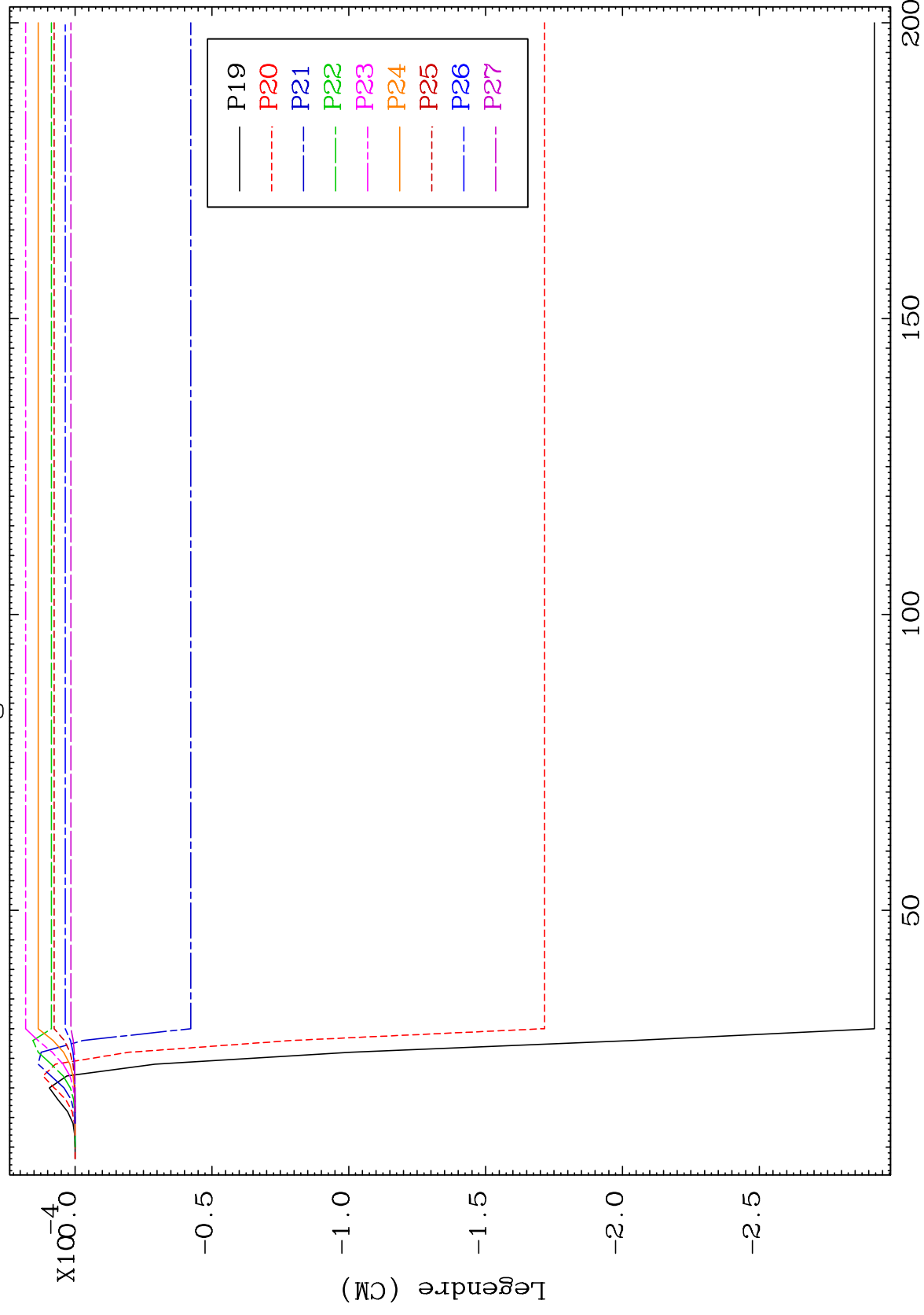
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

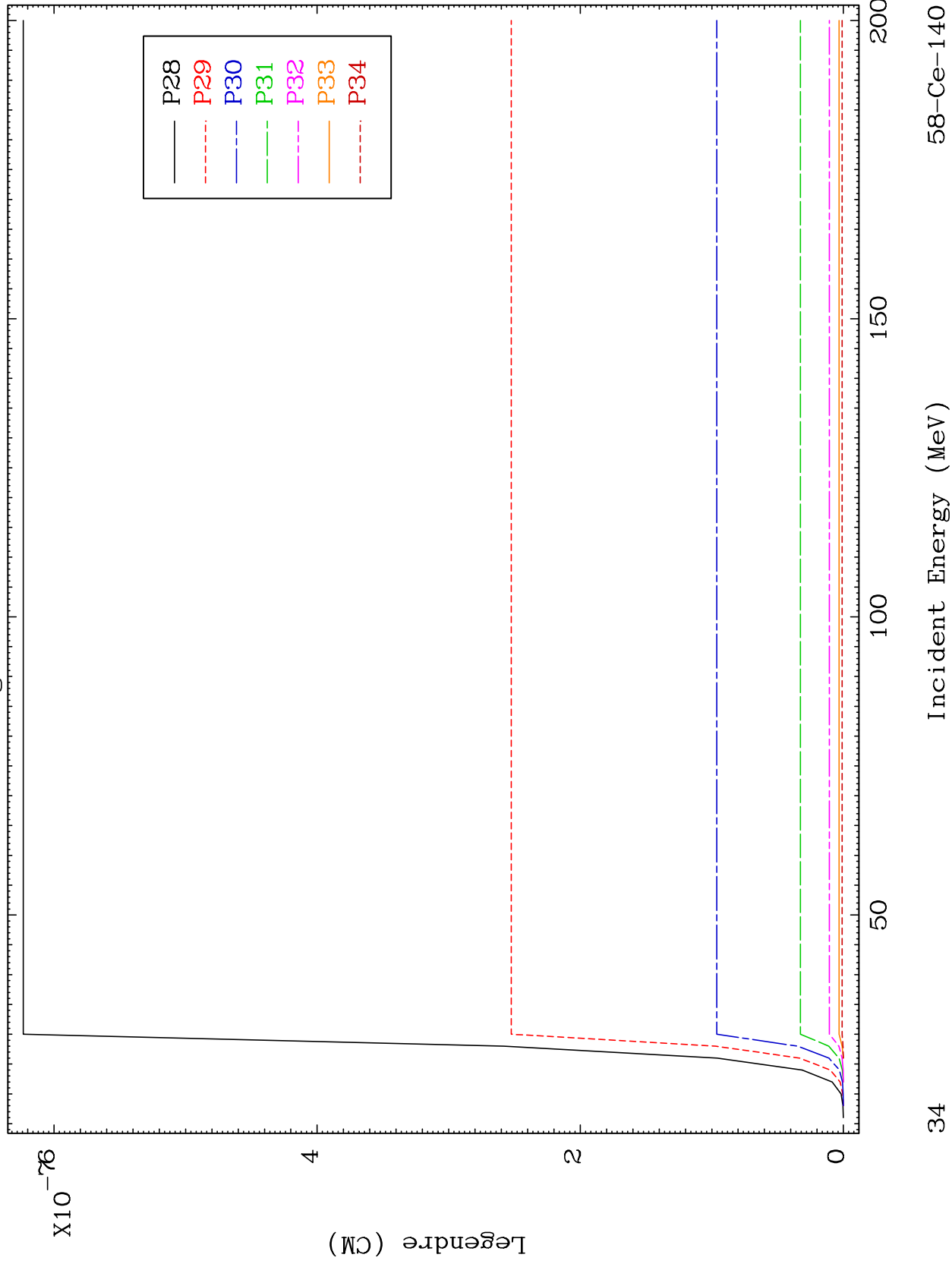
58-Ce-140



MAT 5837

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

58-Ce-140



34

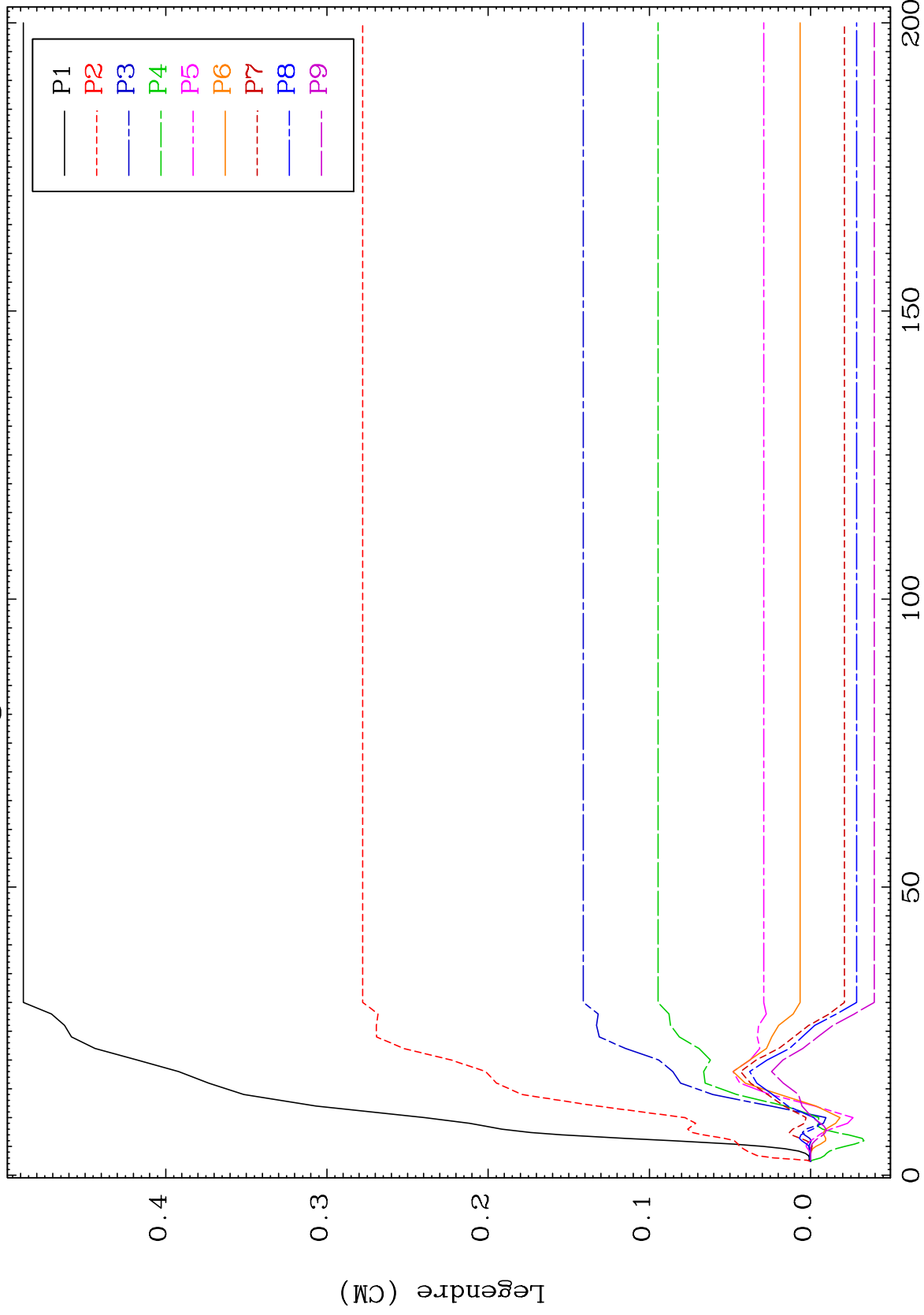
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

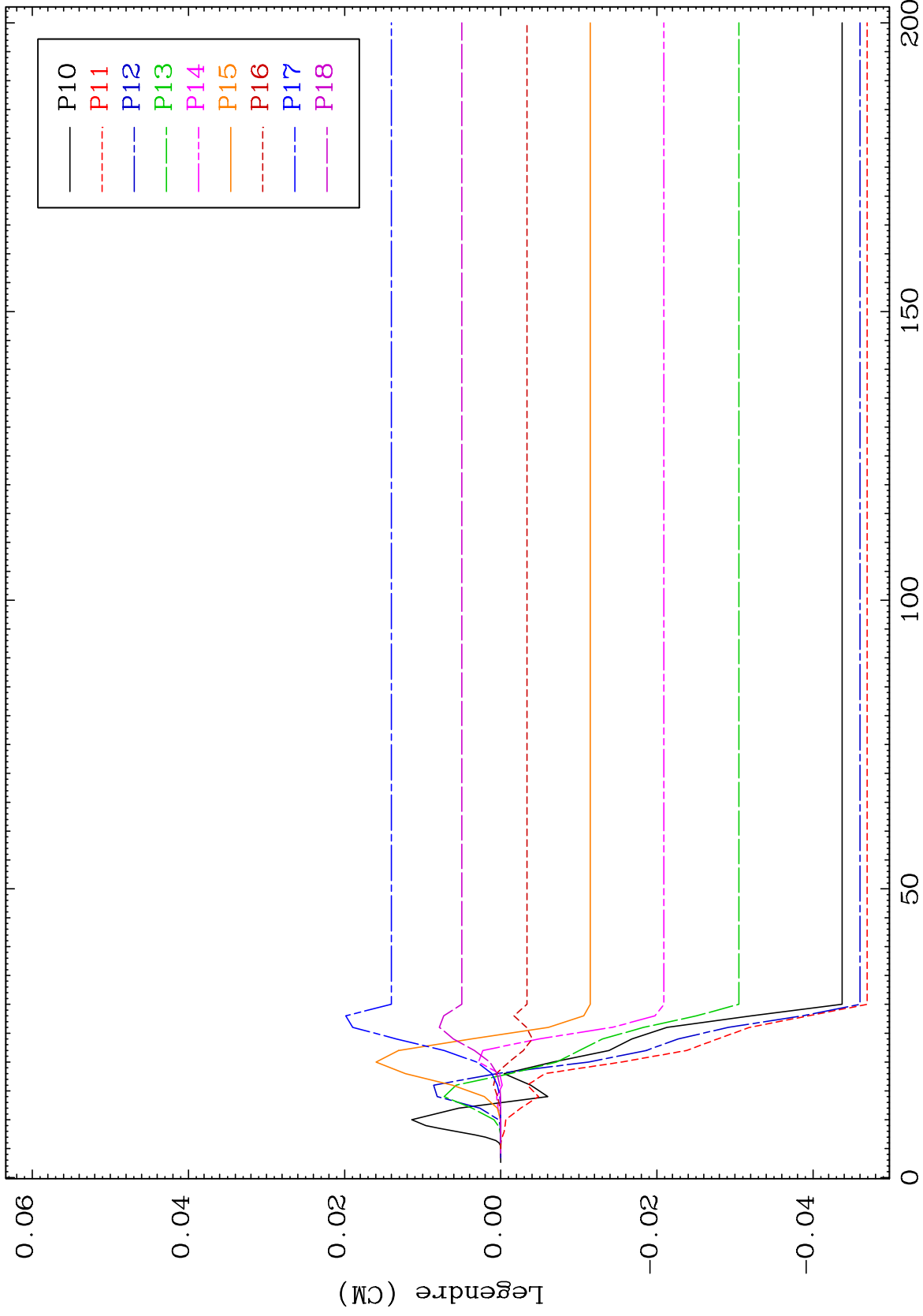
Incident Energy (MeV)

35

MAT 5837

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

58-Ce-140



36

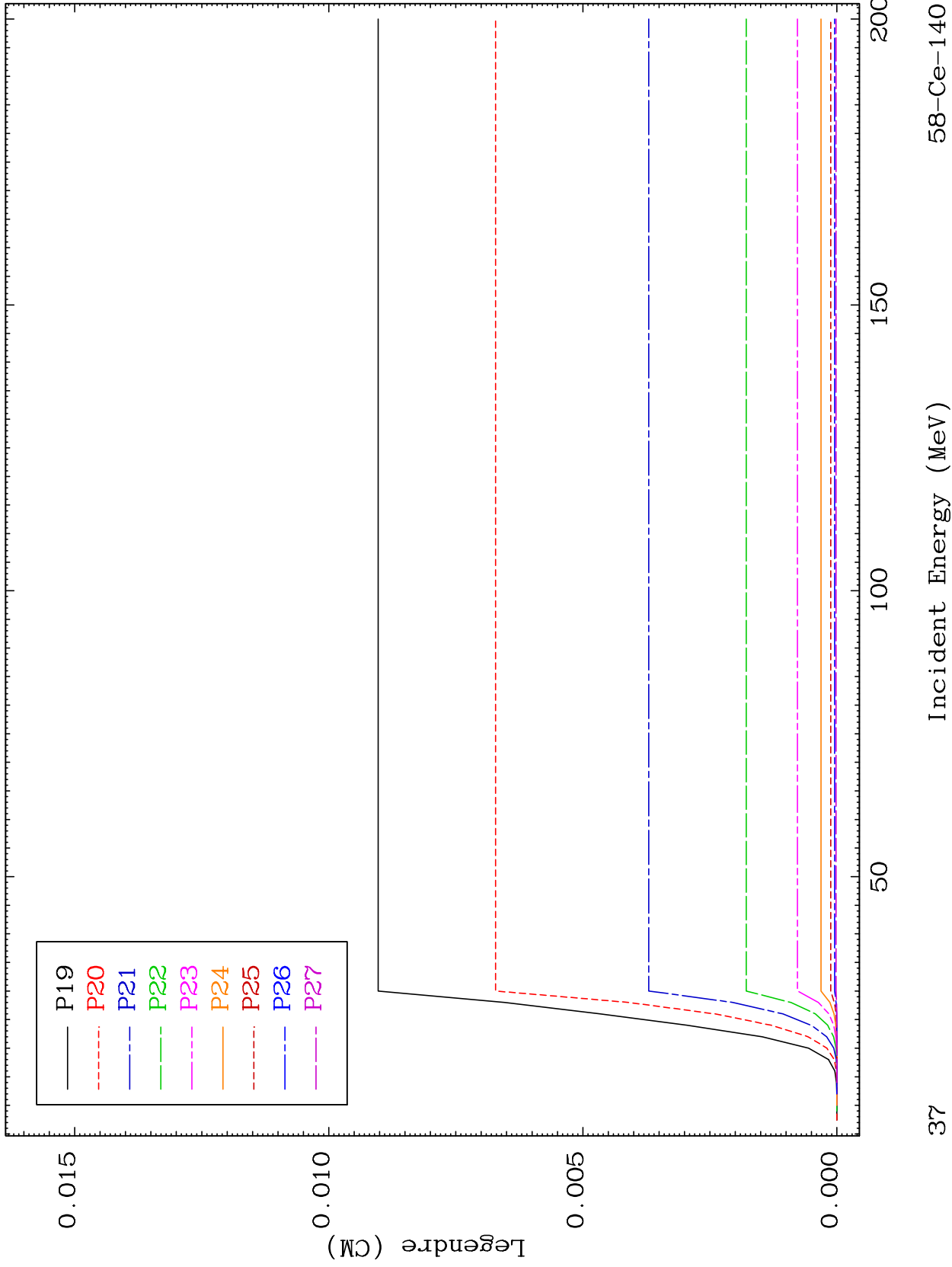
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



37

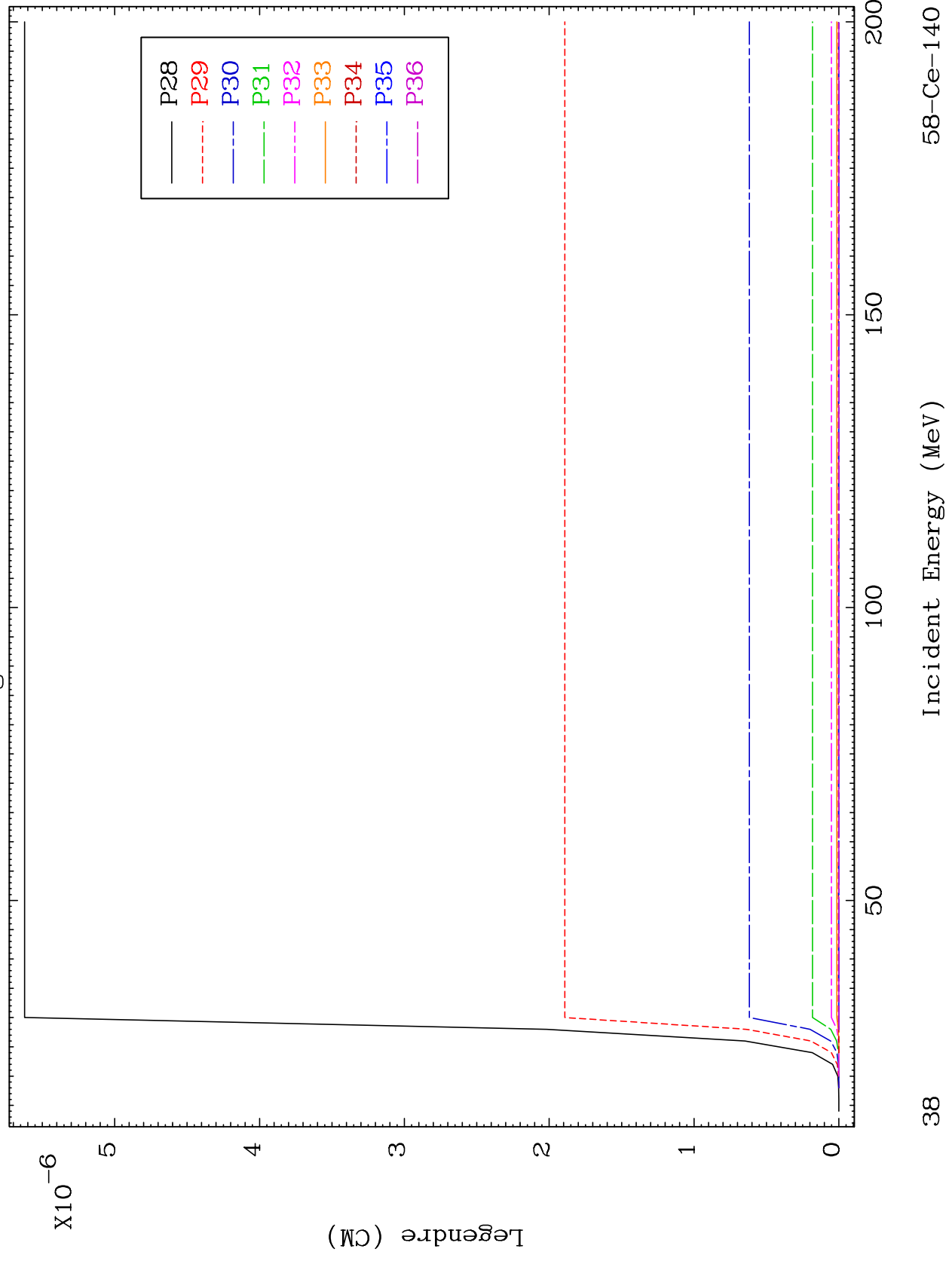
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



38

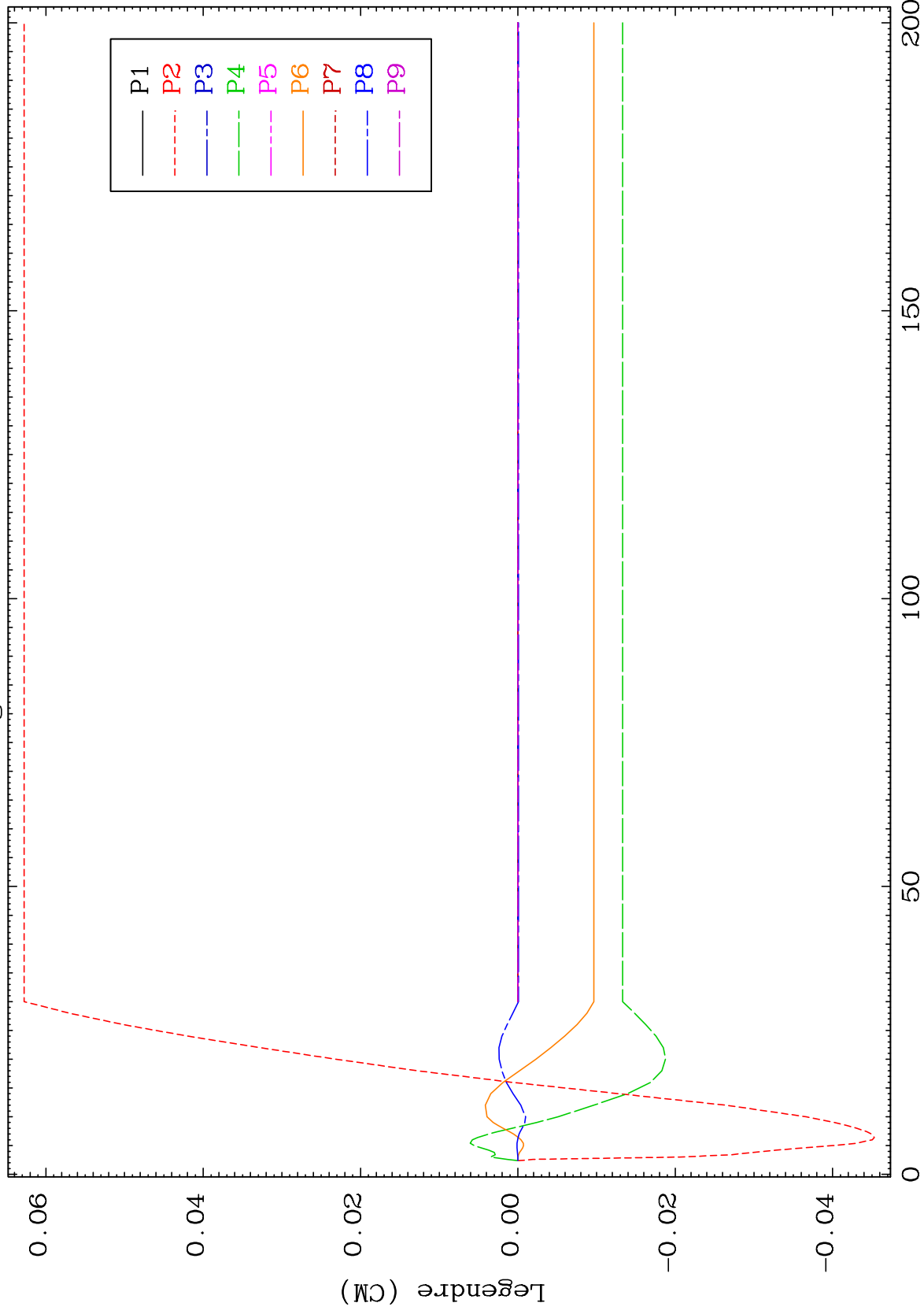
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



39

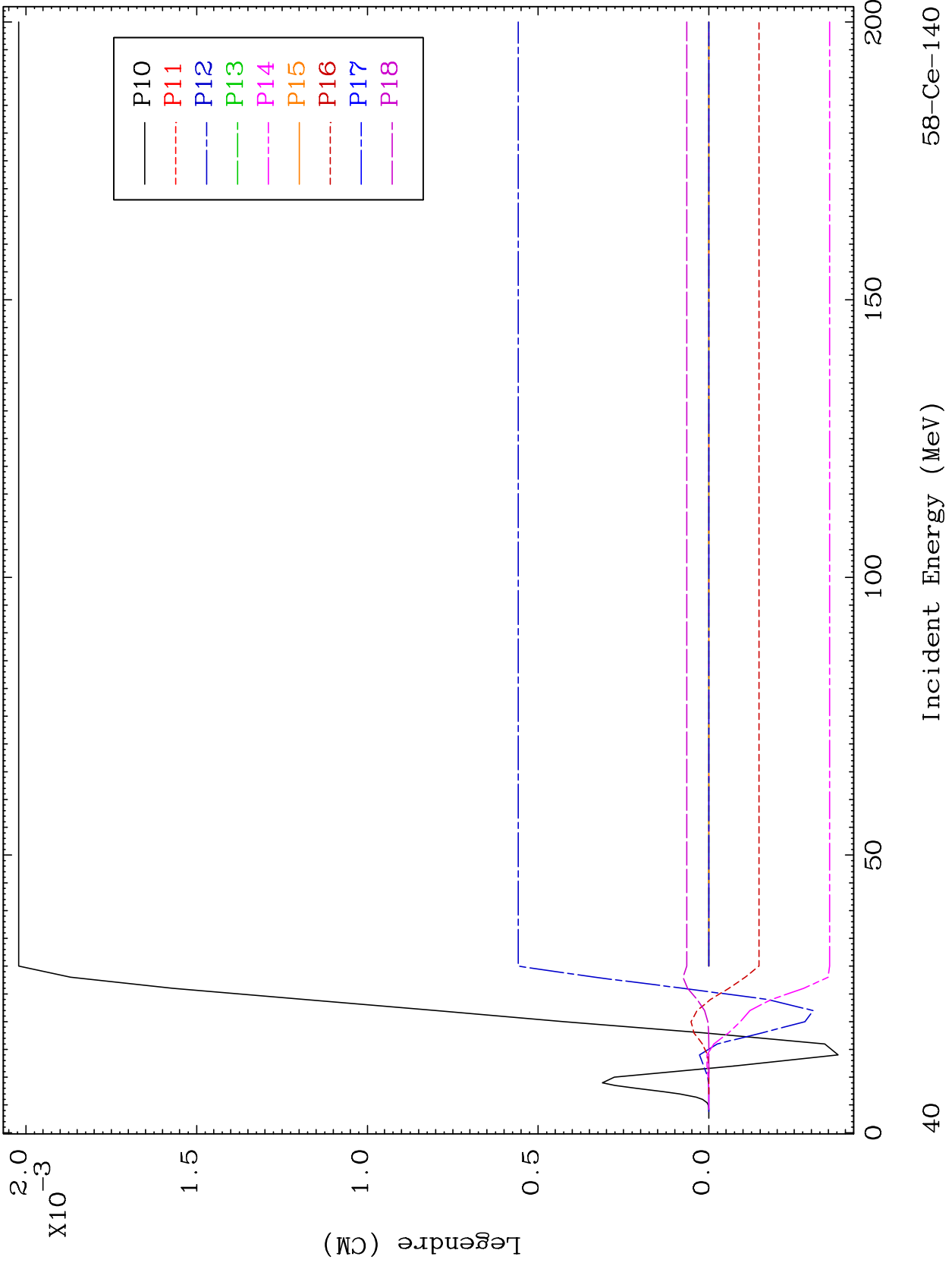
Incident Energy (MeV)

58-Ce-140

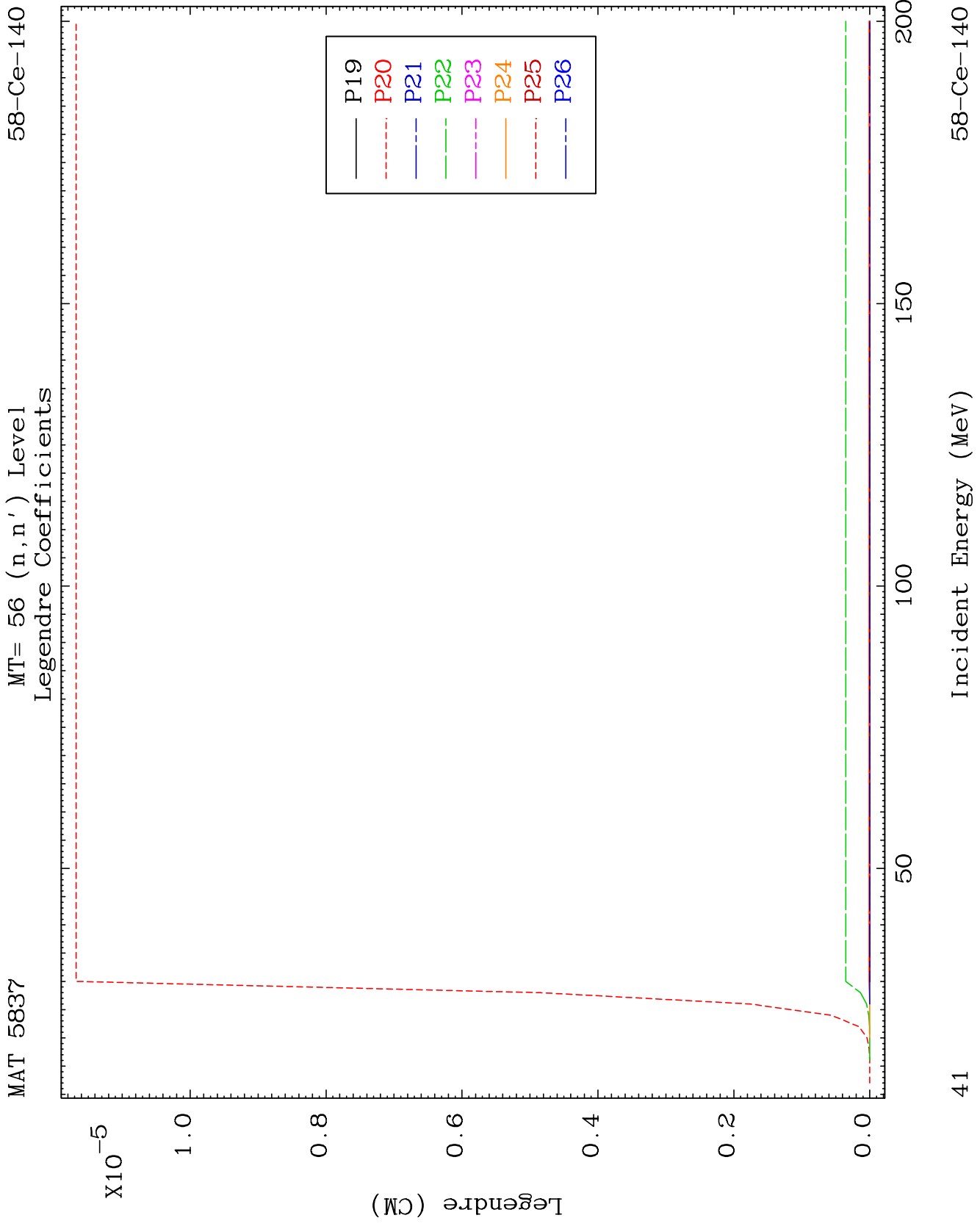
MAT 5837

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

58-Ce-140



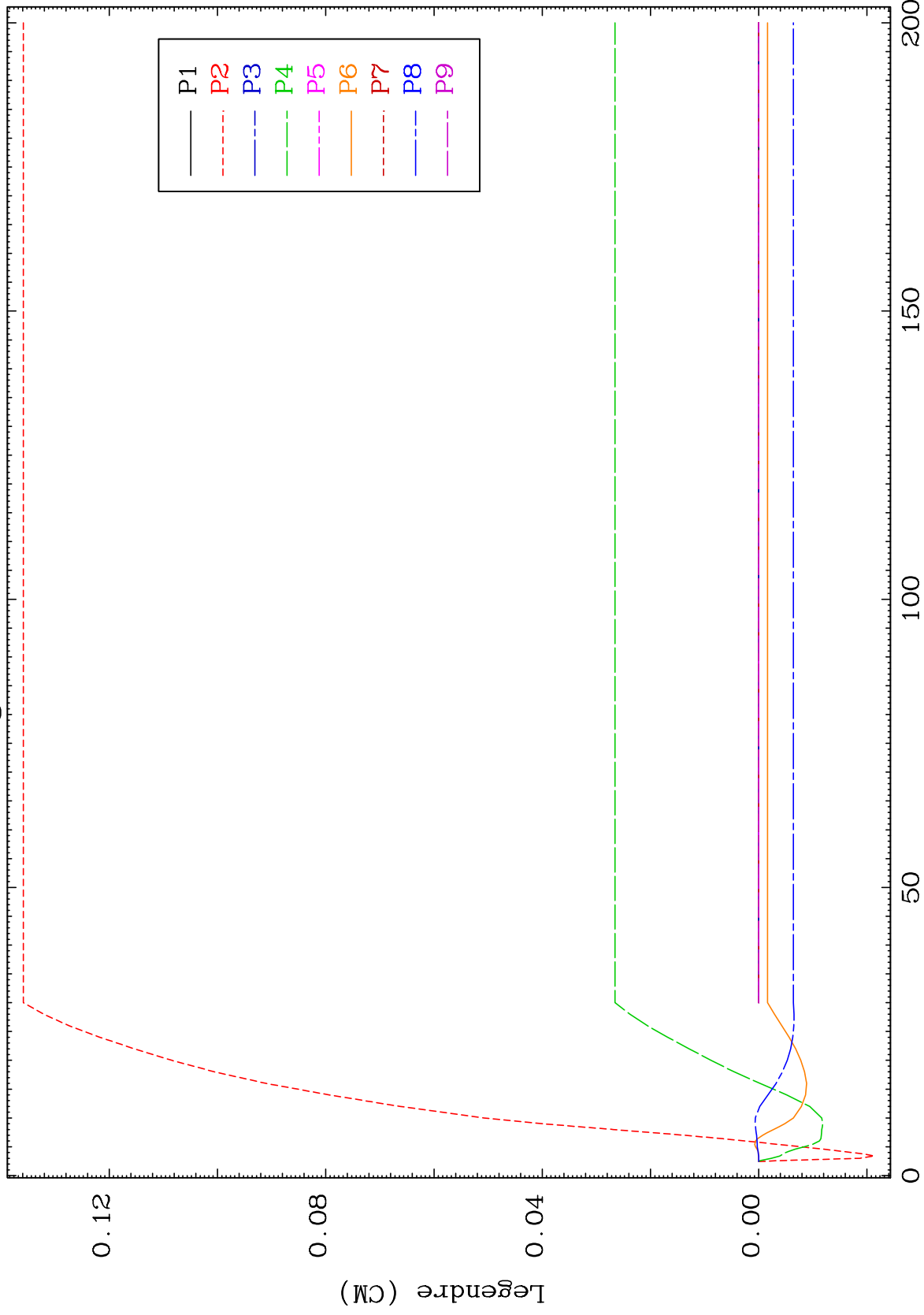
58-Ce-140



MAT 5837

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

58-Ce-140



58-Ce-140

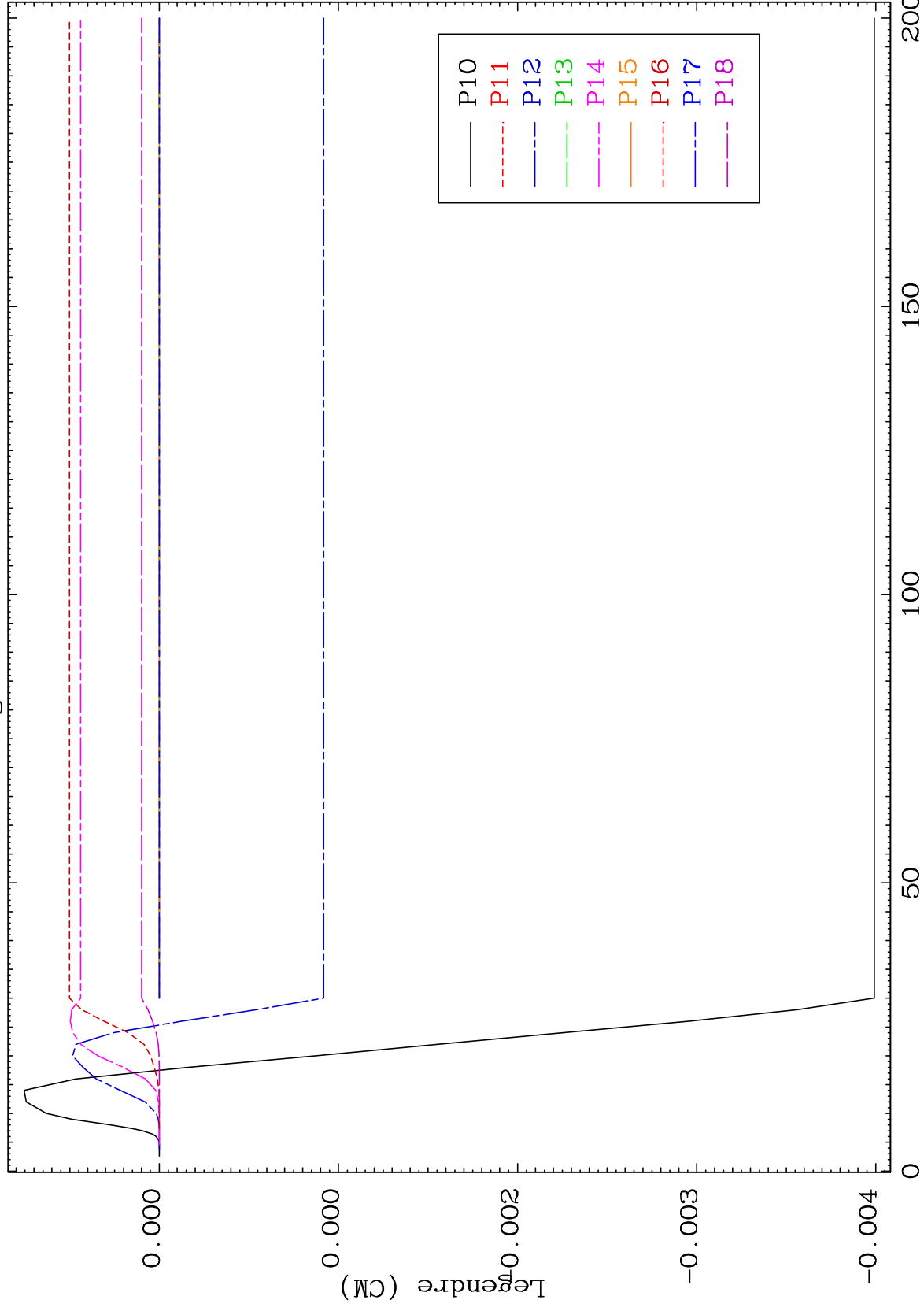
Incident Energy (MeV)

42

MAT 5837

58-Ce-140

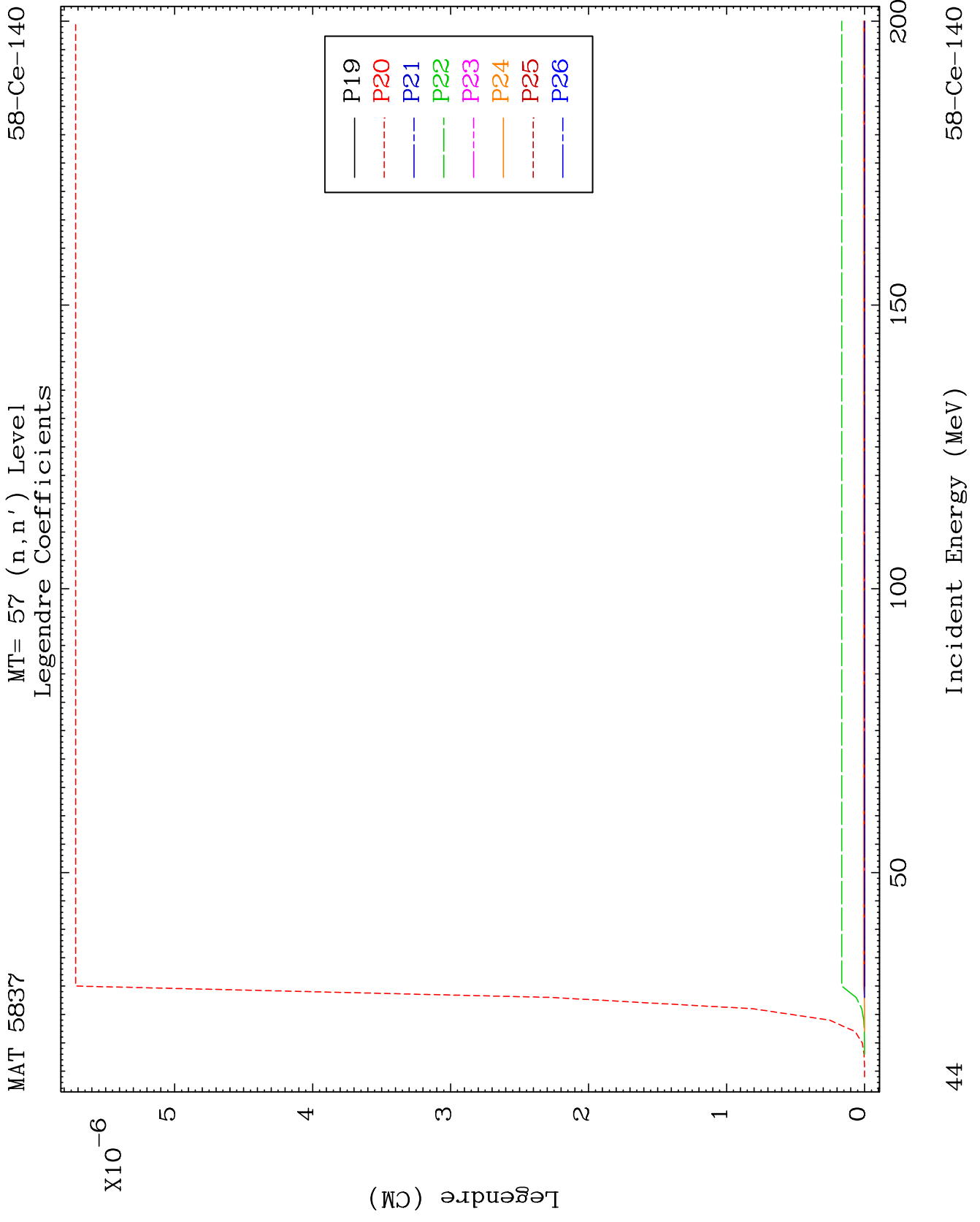
MT= 57 (n,n') Level
Legendre Coefficients



43

Incident Energy (MeV)

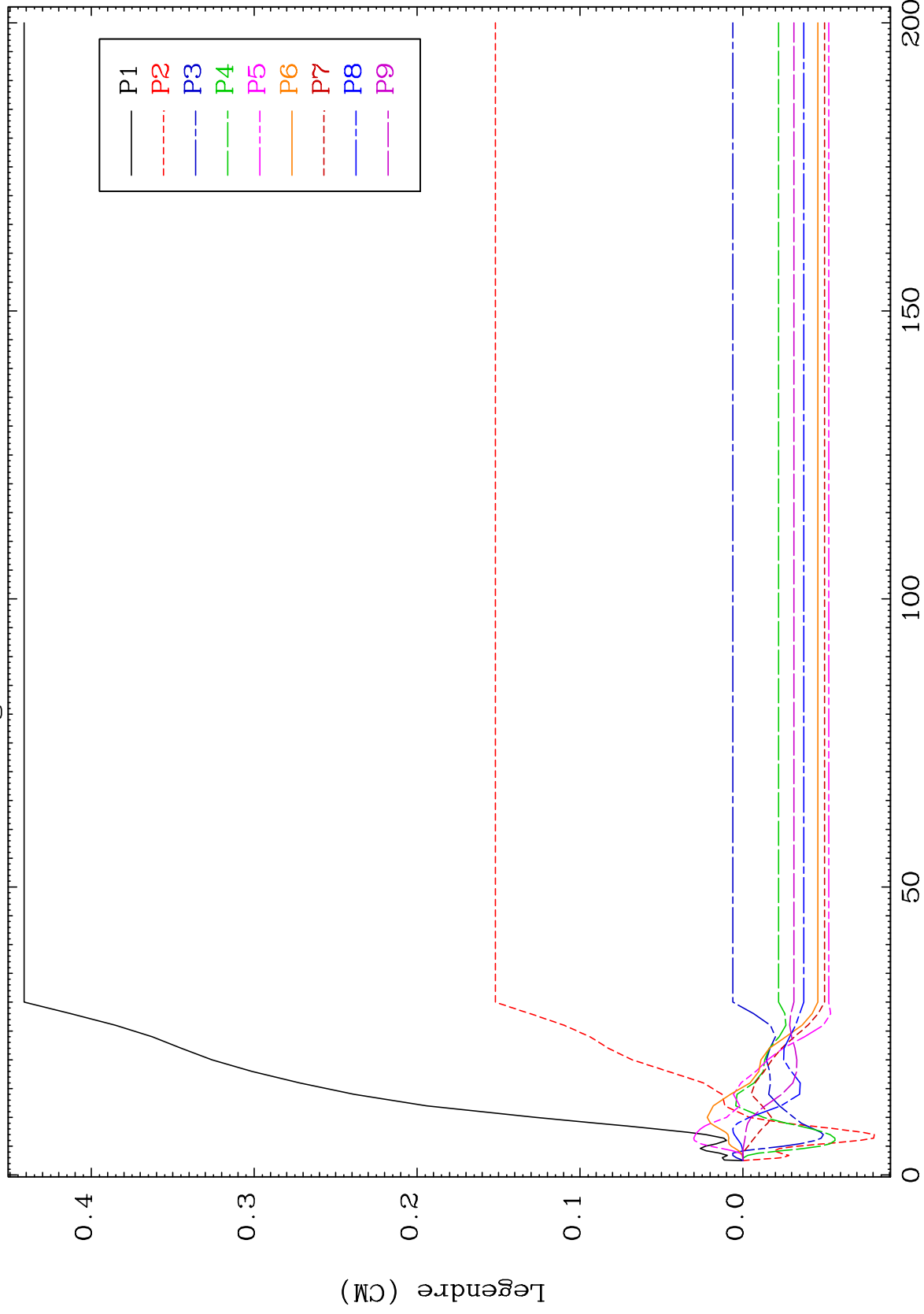
58-Ce-140



MAT 5837

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

58-Ce-140



58-Ce-140

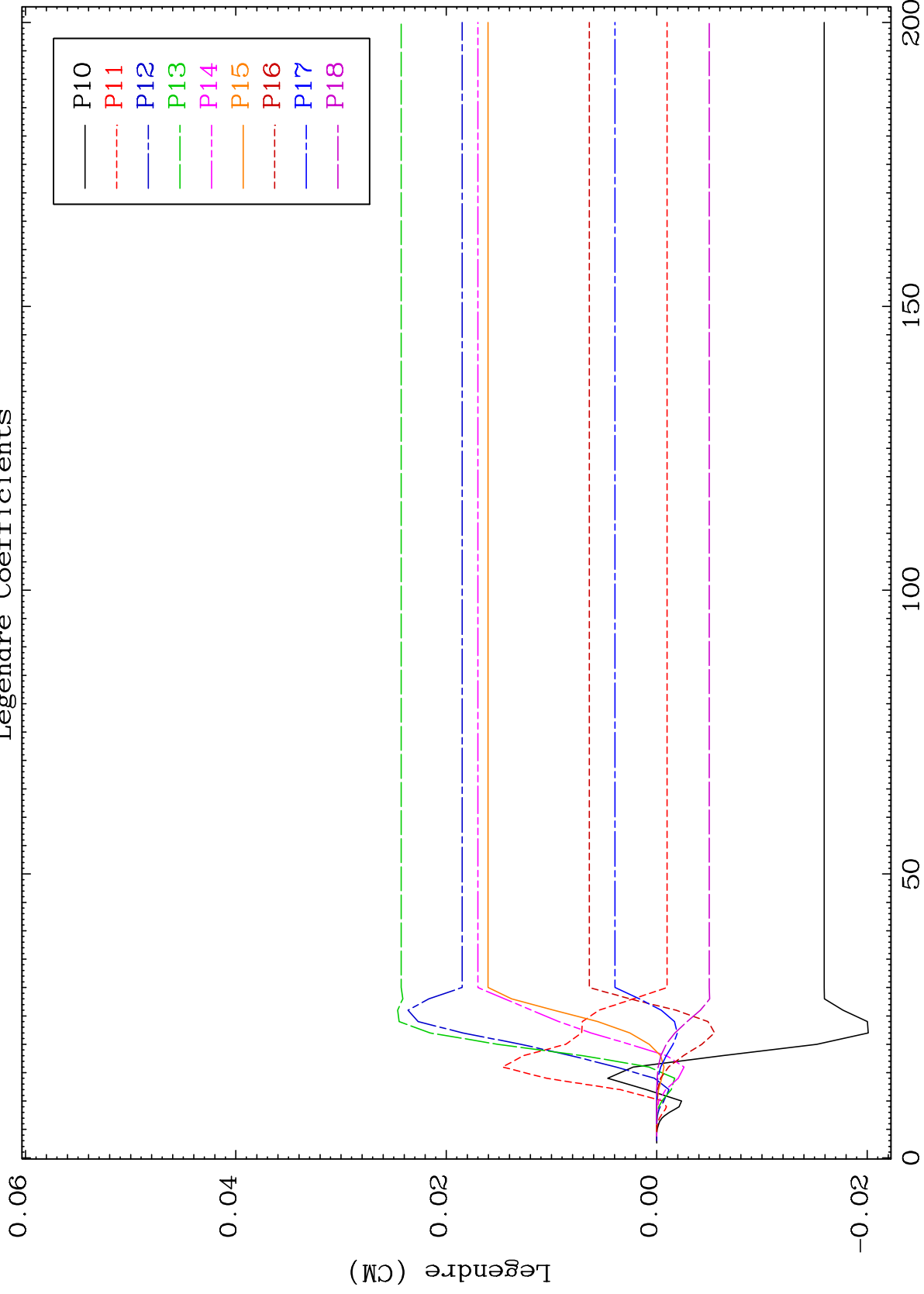
Incident Energy (MeV)

45

MAT 5837

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

58-Ce-140



46

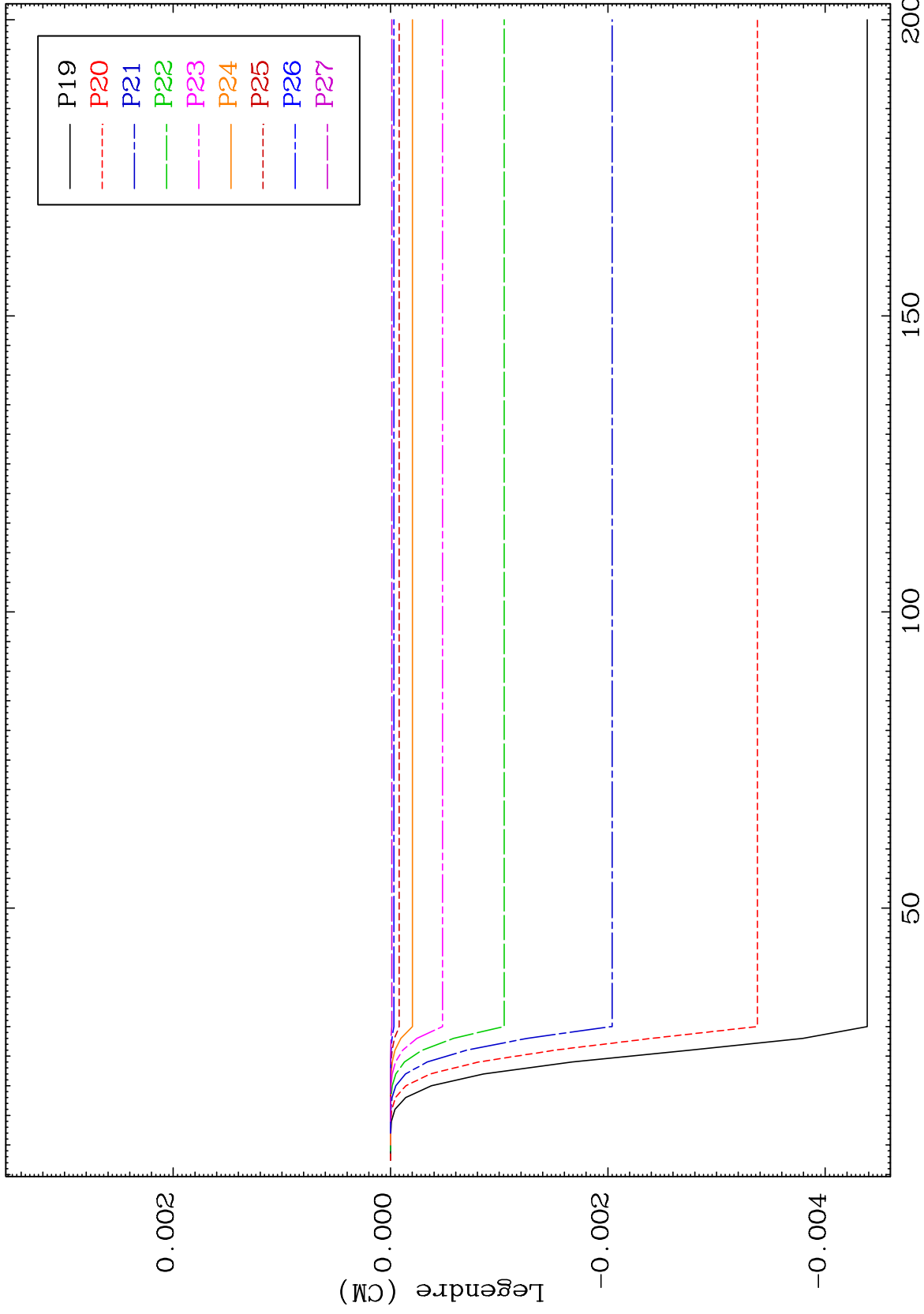
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

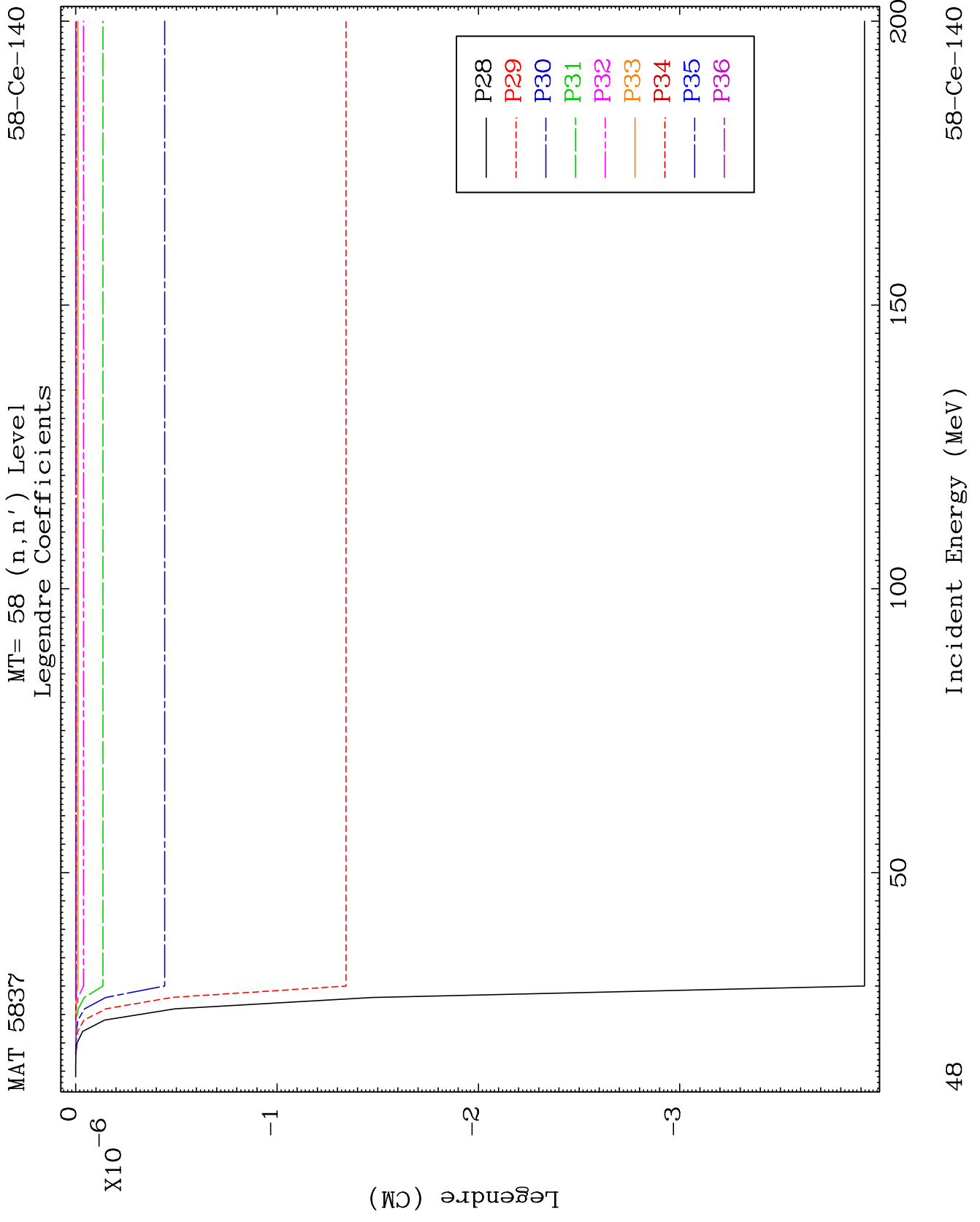
58-Ce-140



47

Incident Energy (MeV)

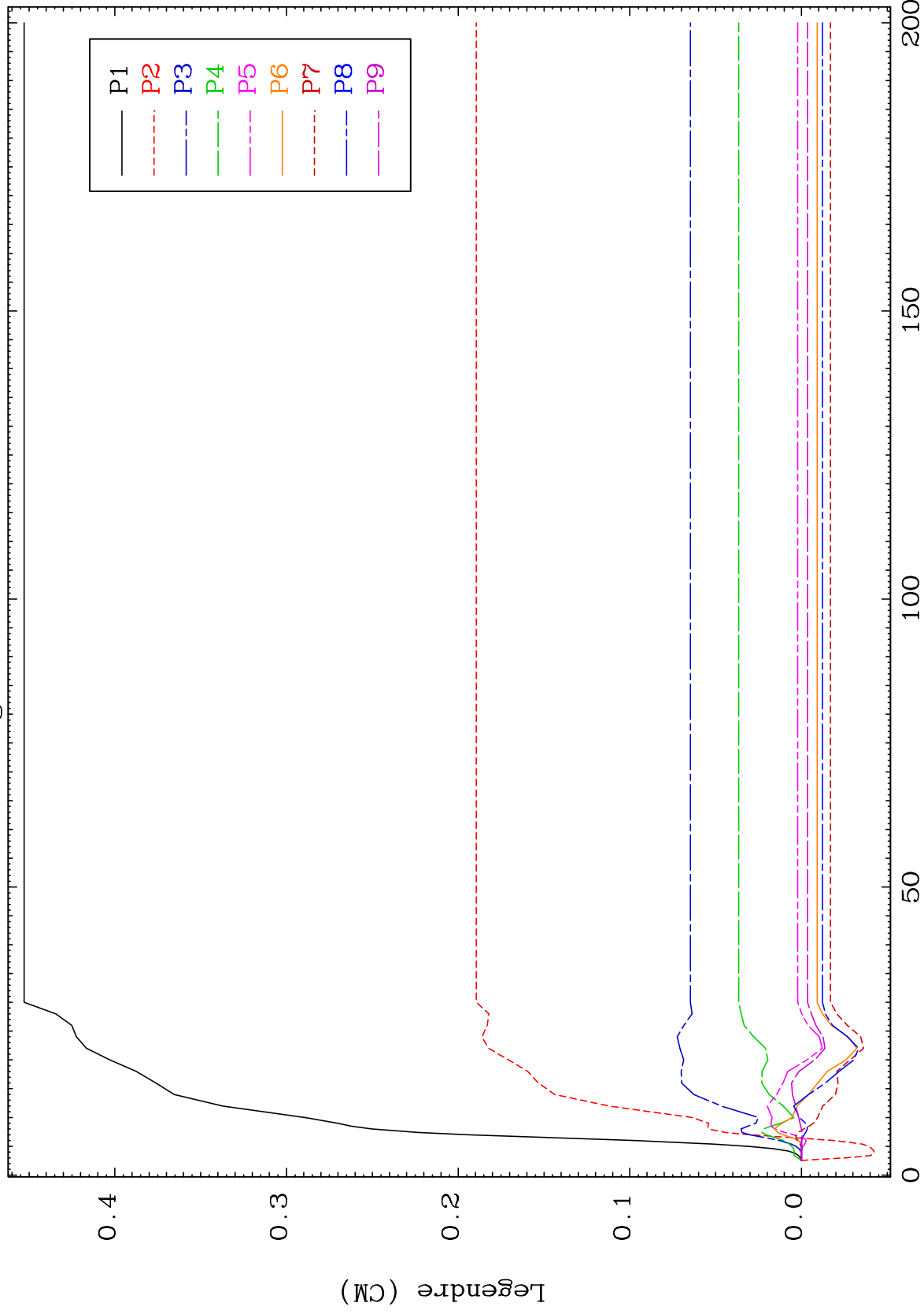
58-Ce-140



MAT 5837

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

58-Ce-140



49

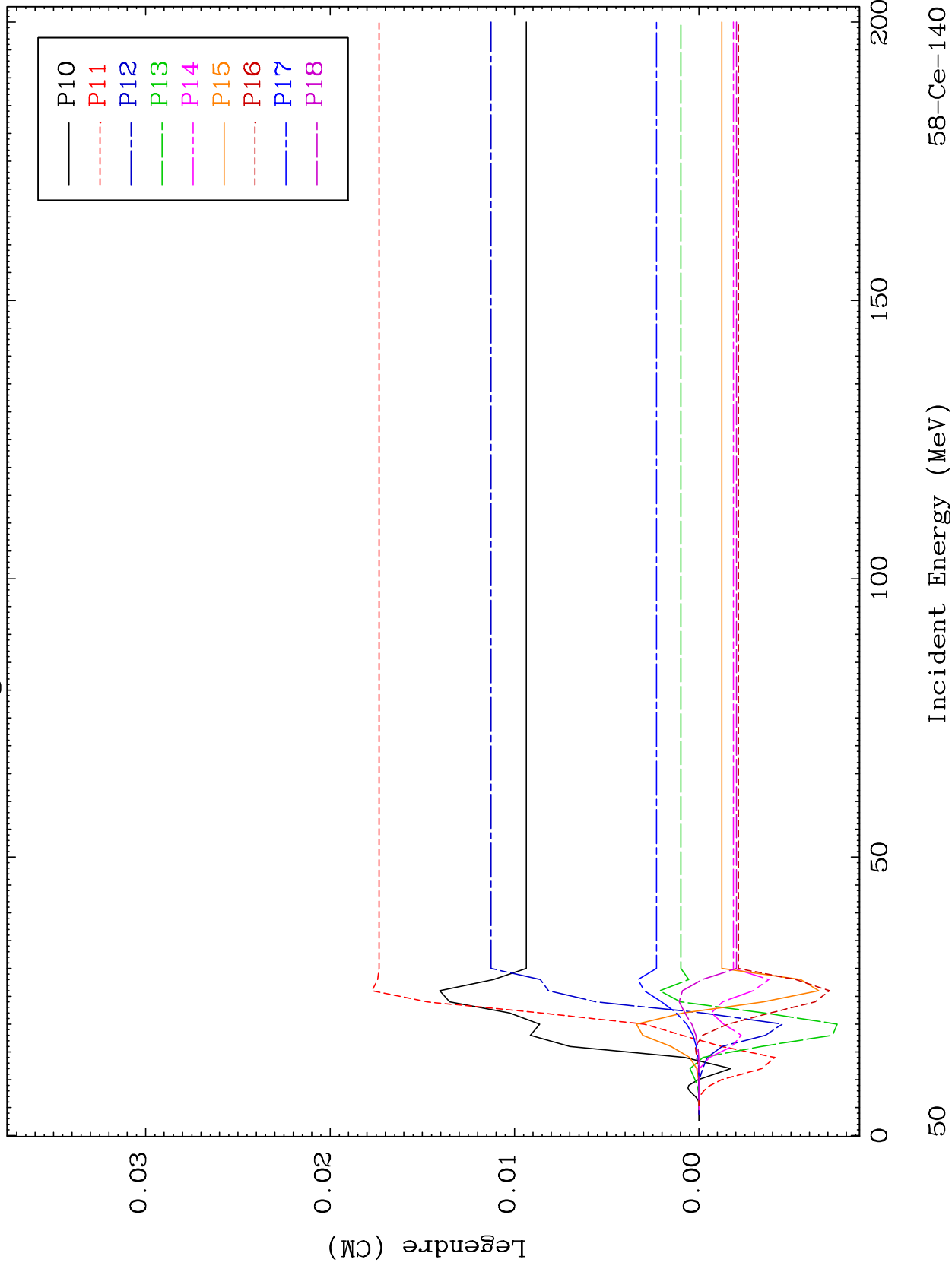
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

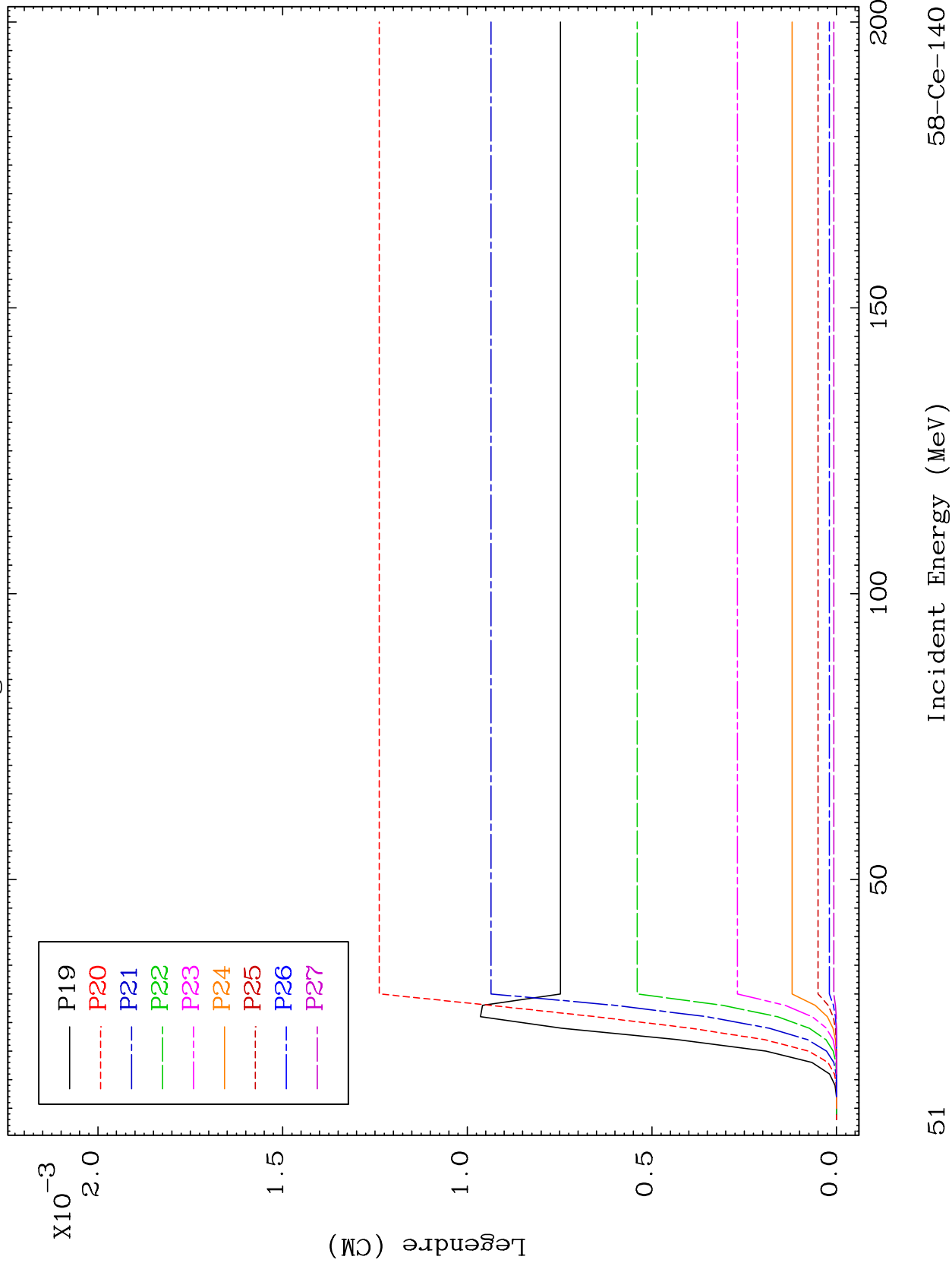
58-Ce-140



MAT 5837

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

58-Ce-140



51

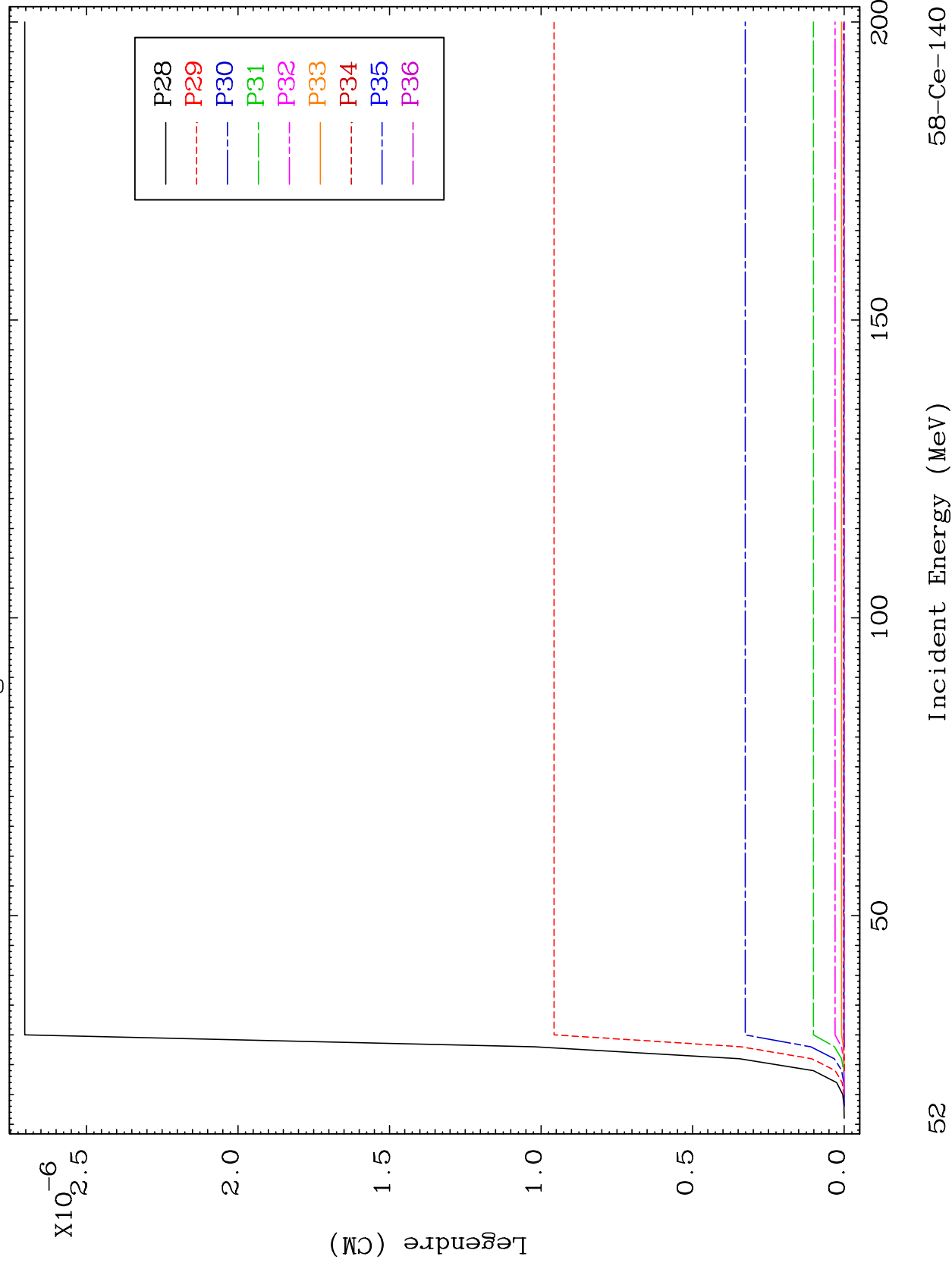
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



52

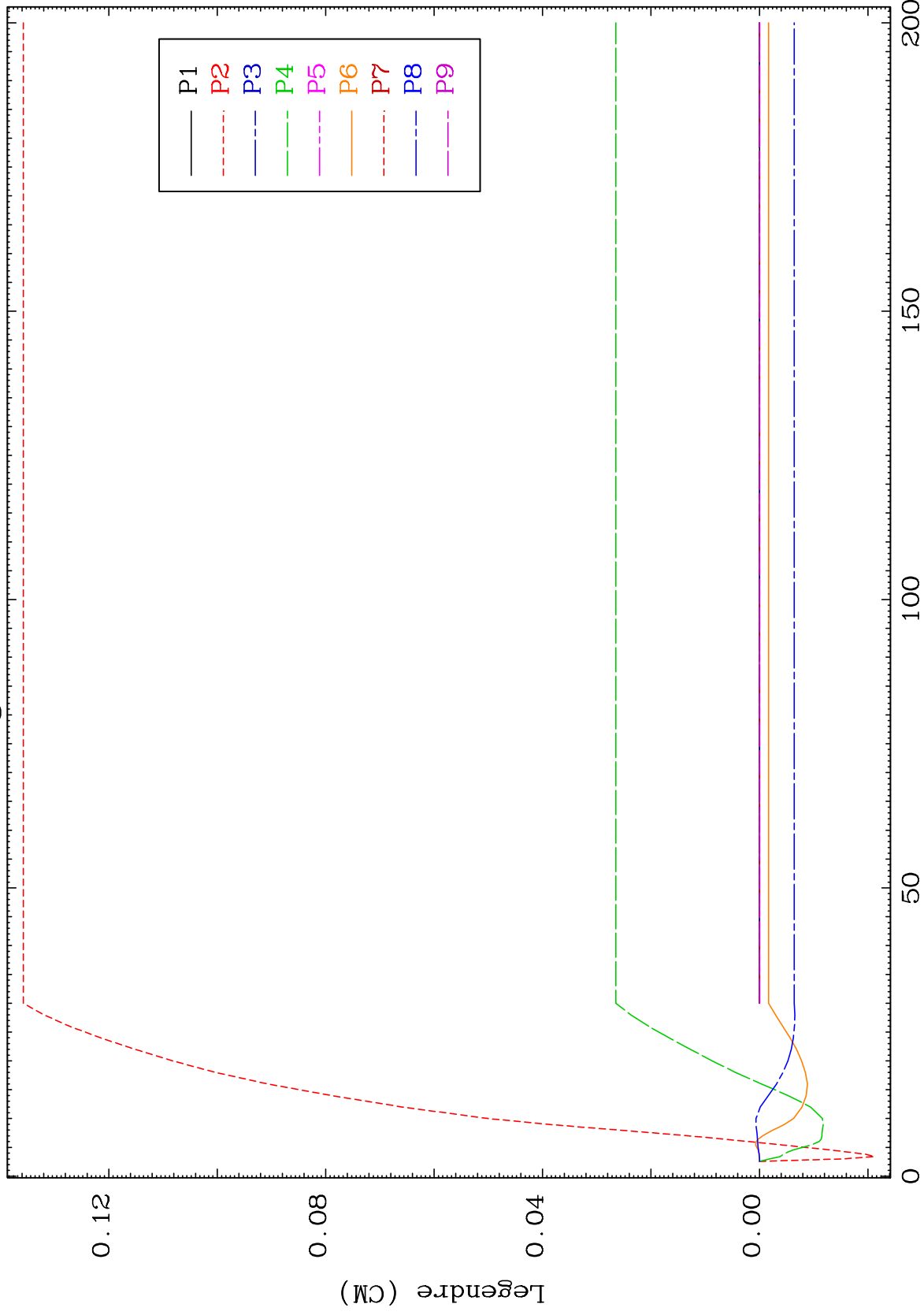
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



53

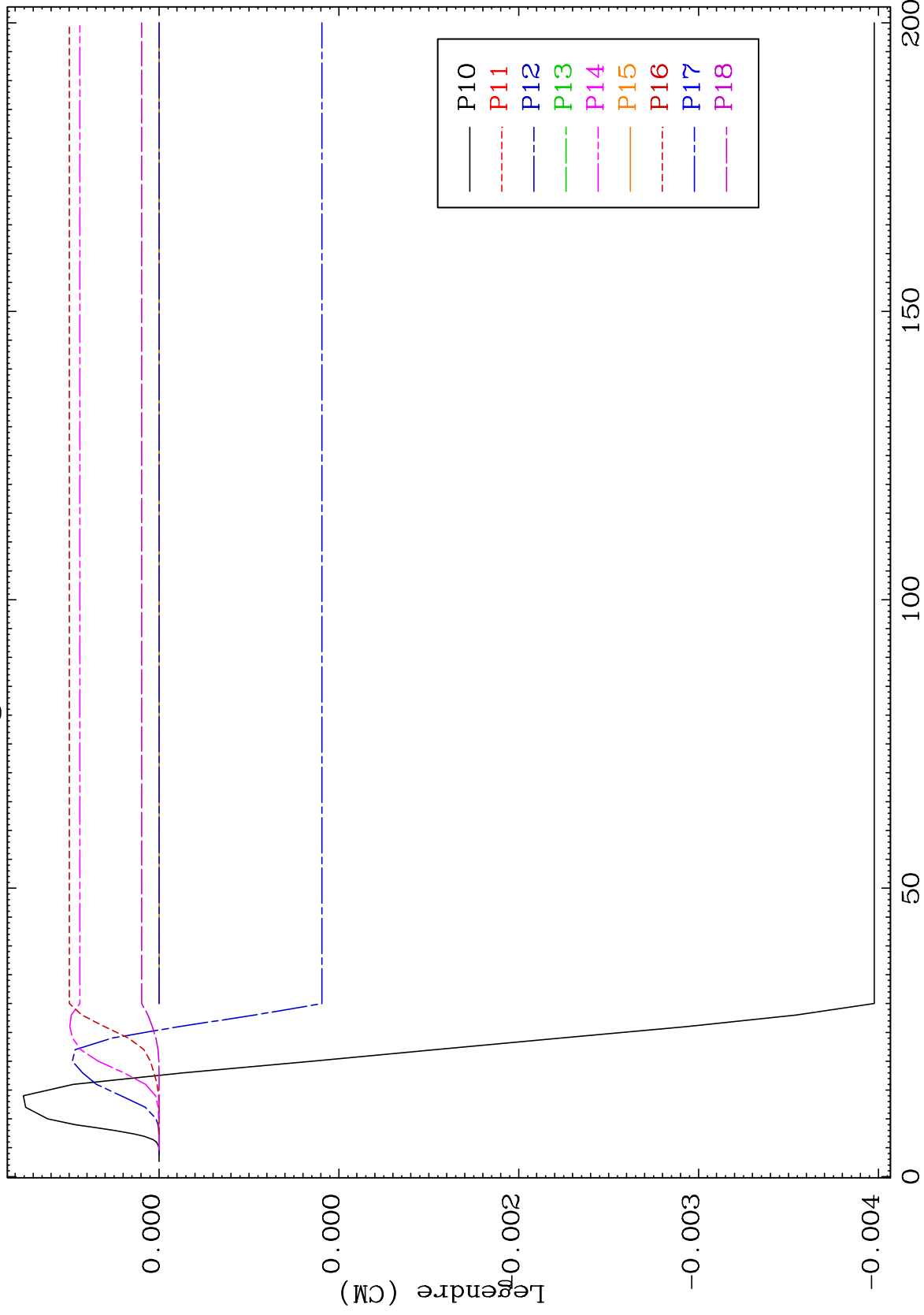
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



54

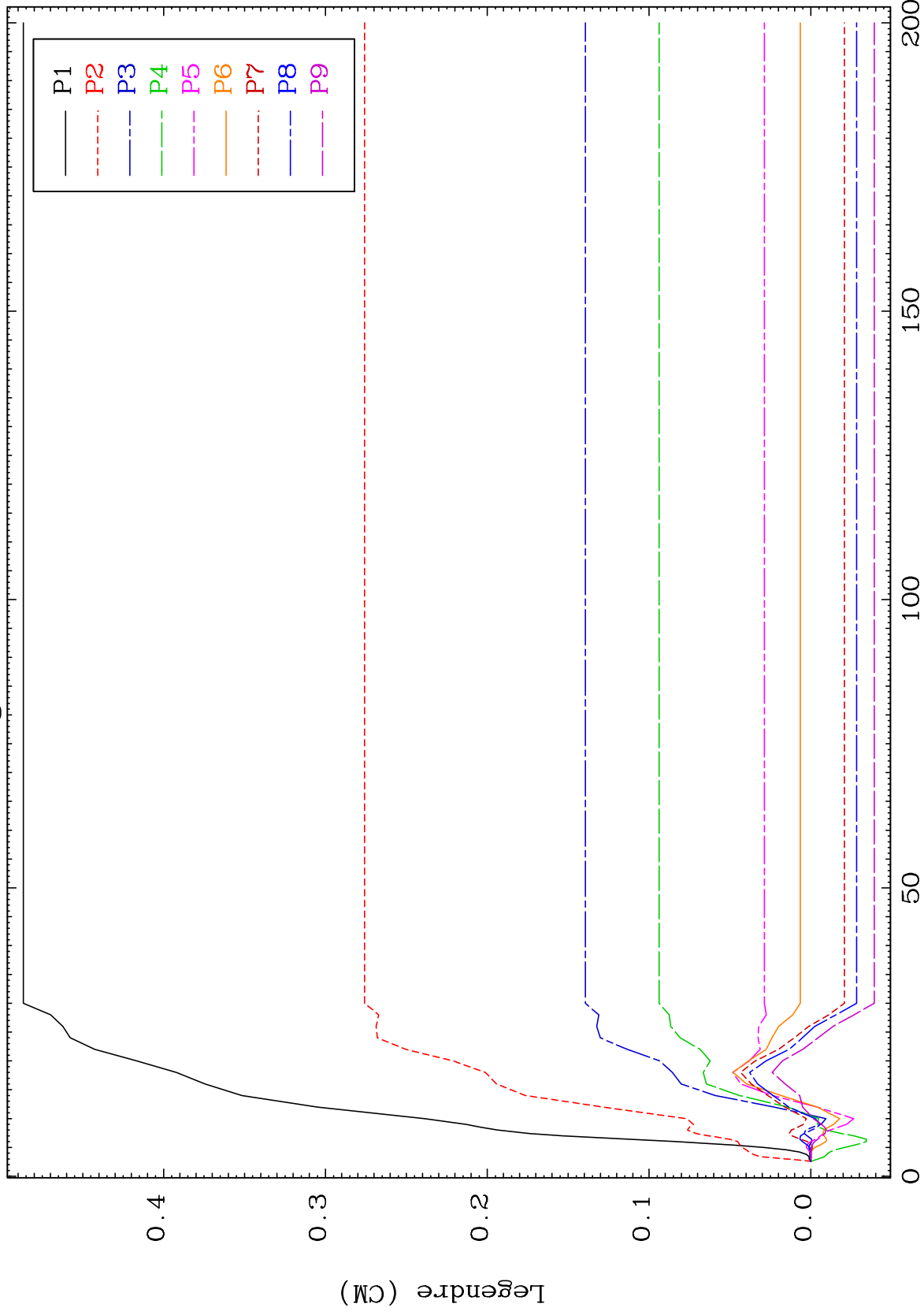
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

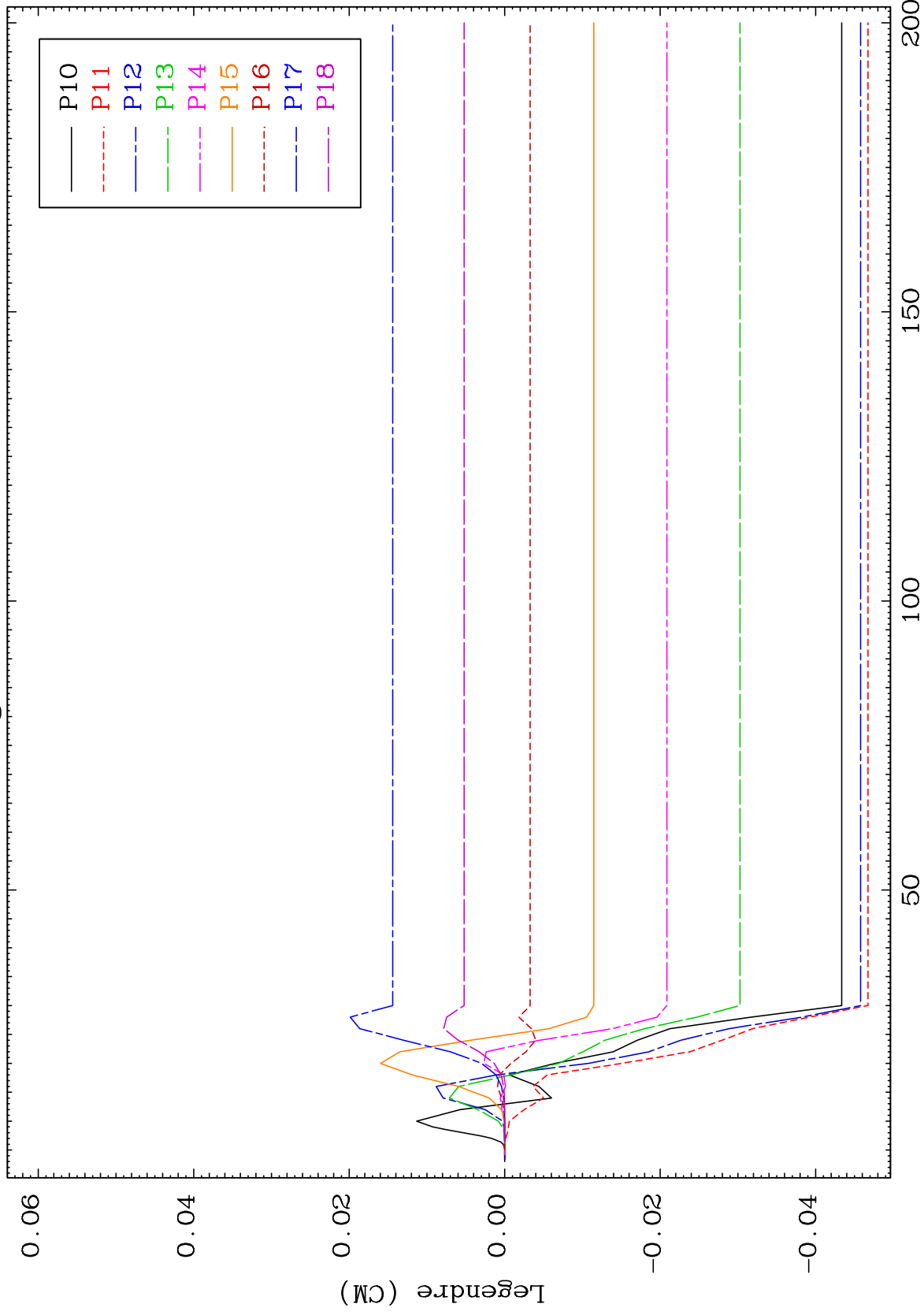
Incident Energy (MeV)

56

MAT 5837

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

58-Ce-140



57

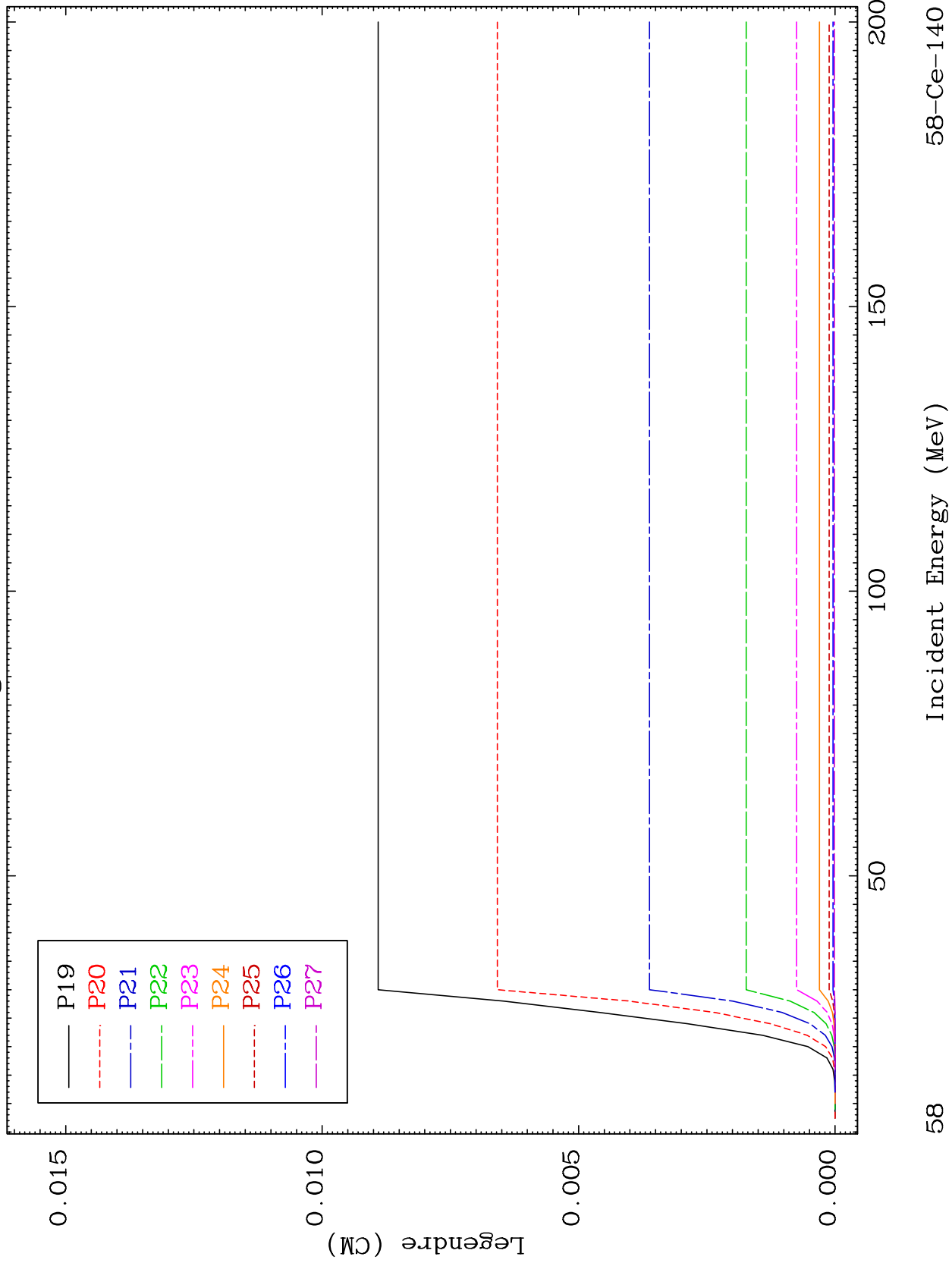
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



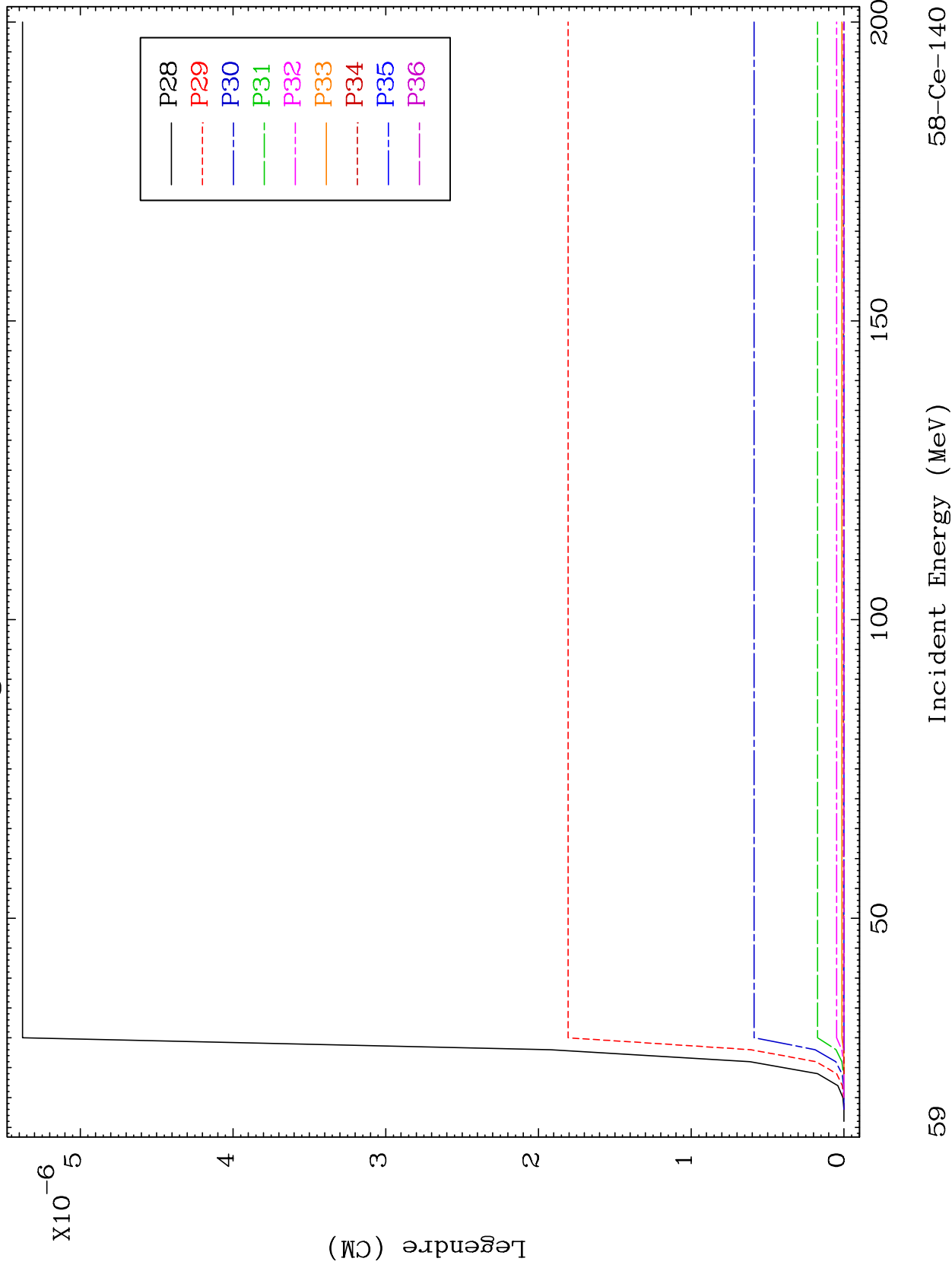
58

58-Ce-140

MAT 5837

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

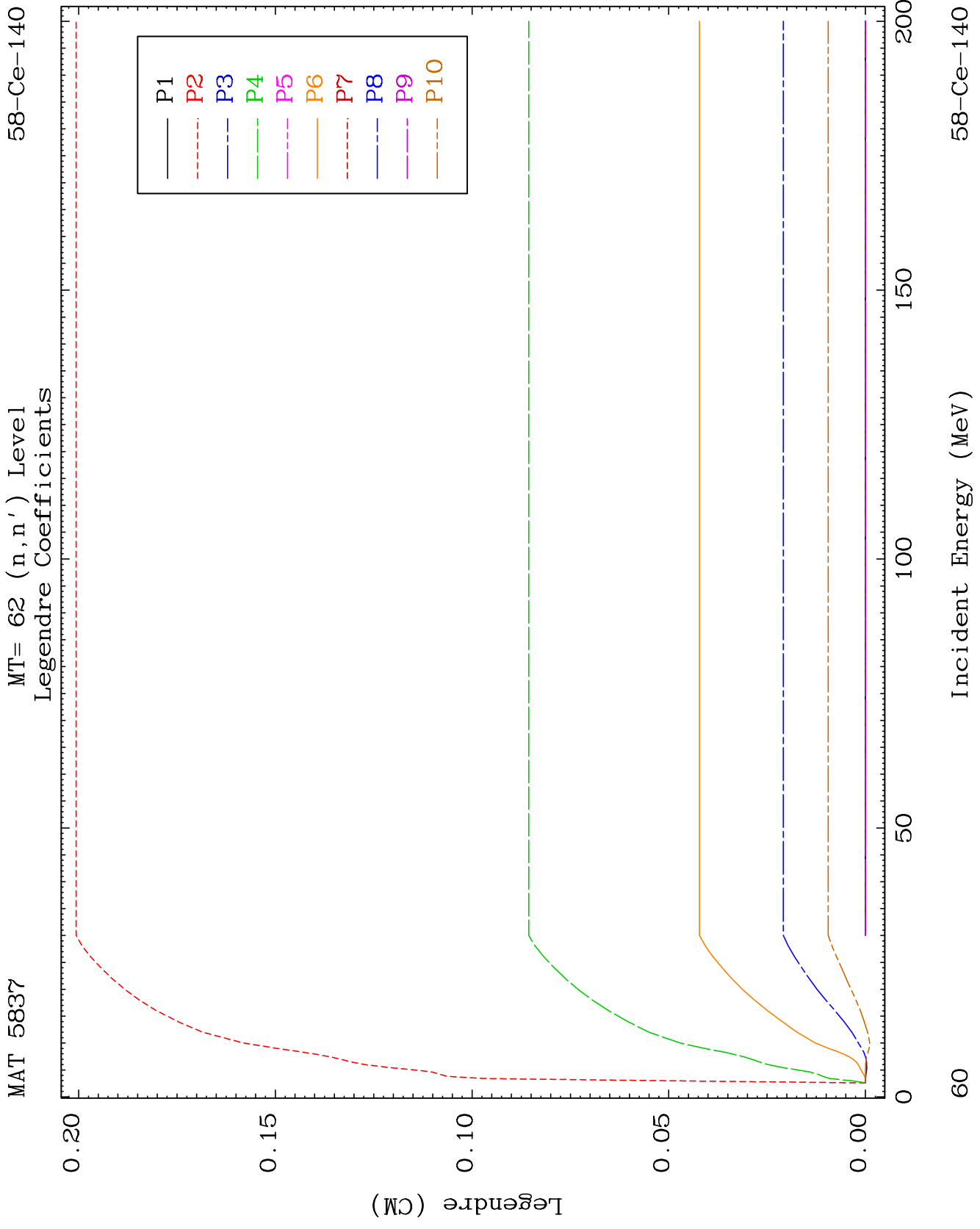
58-Ce-140



59

Incident Energy (MeV)

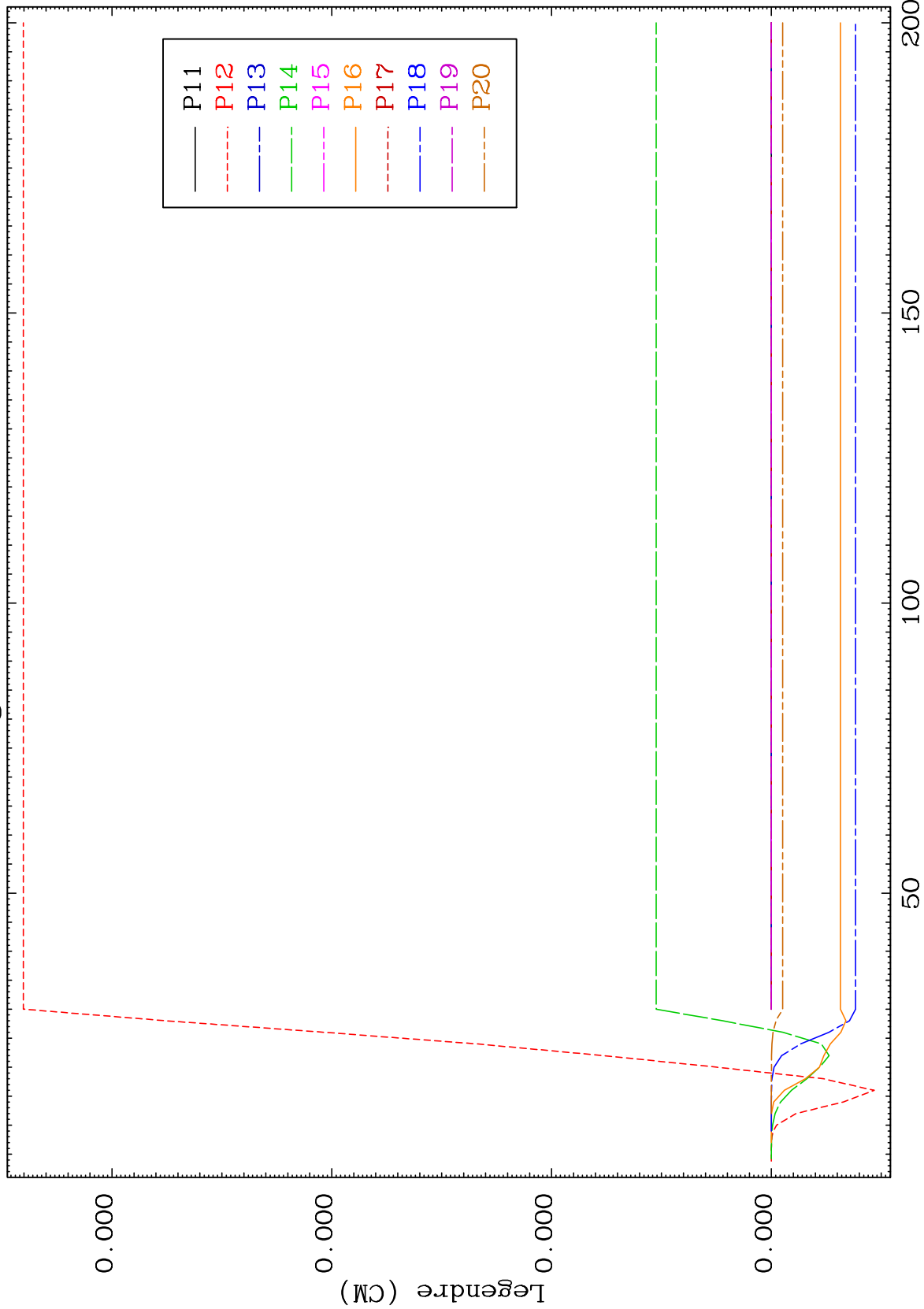
58-Ce-140



MAT 5837

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

58-Ce-140



61

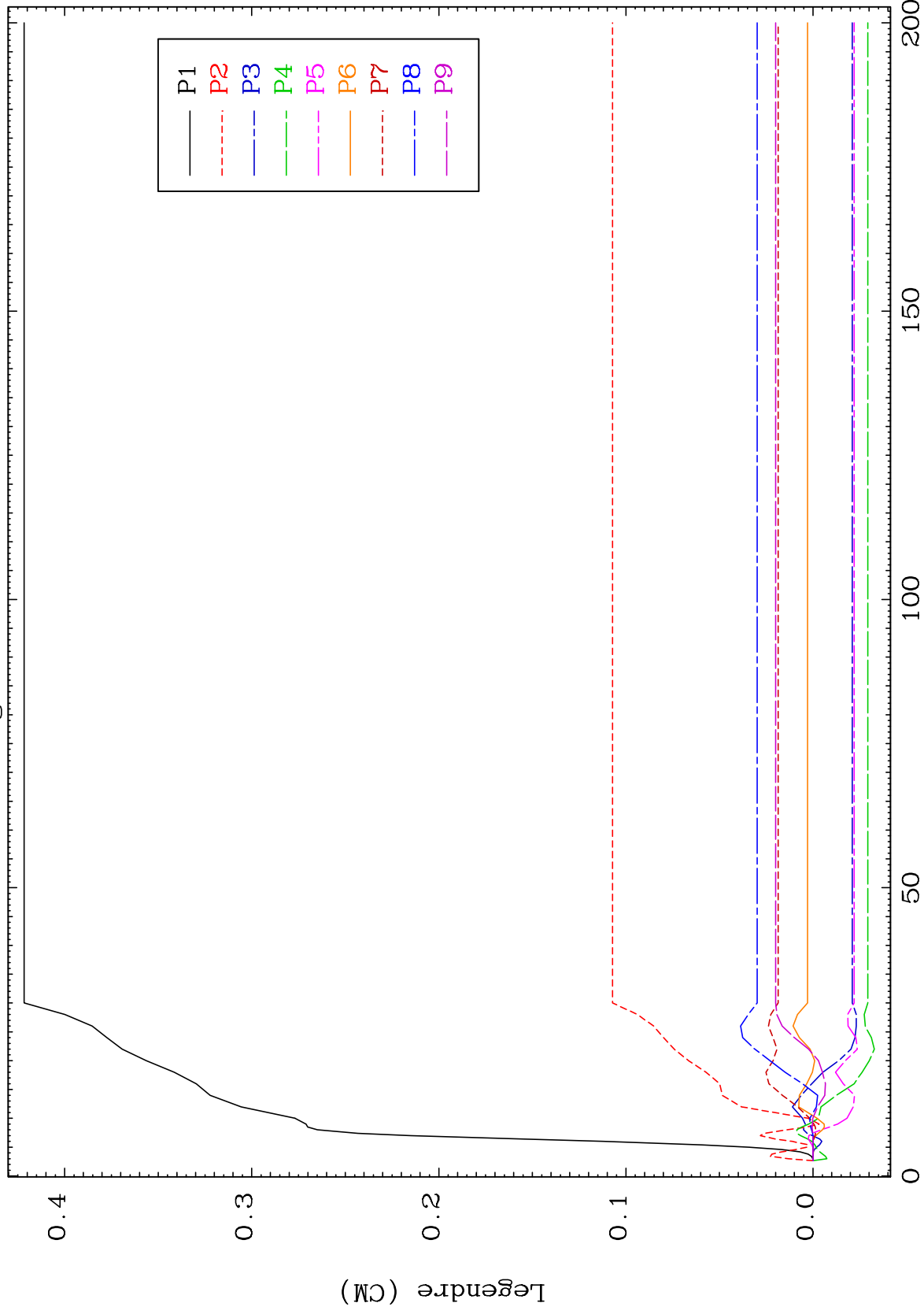
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

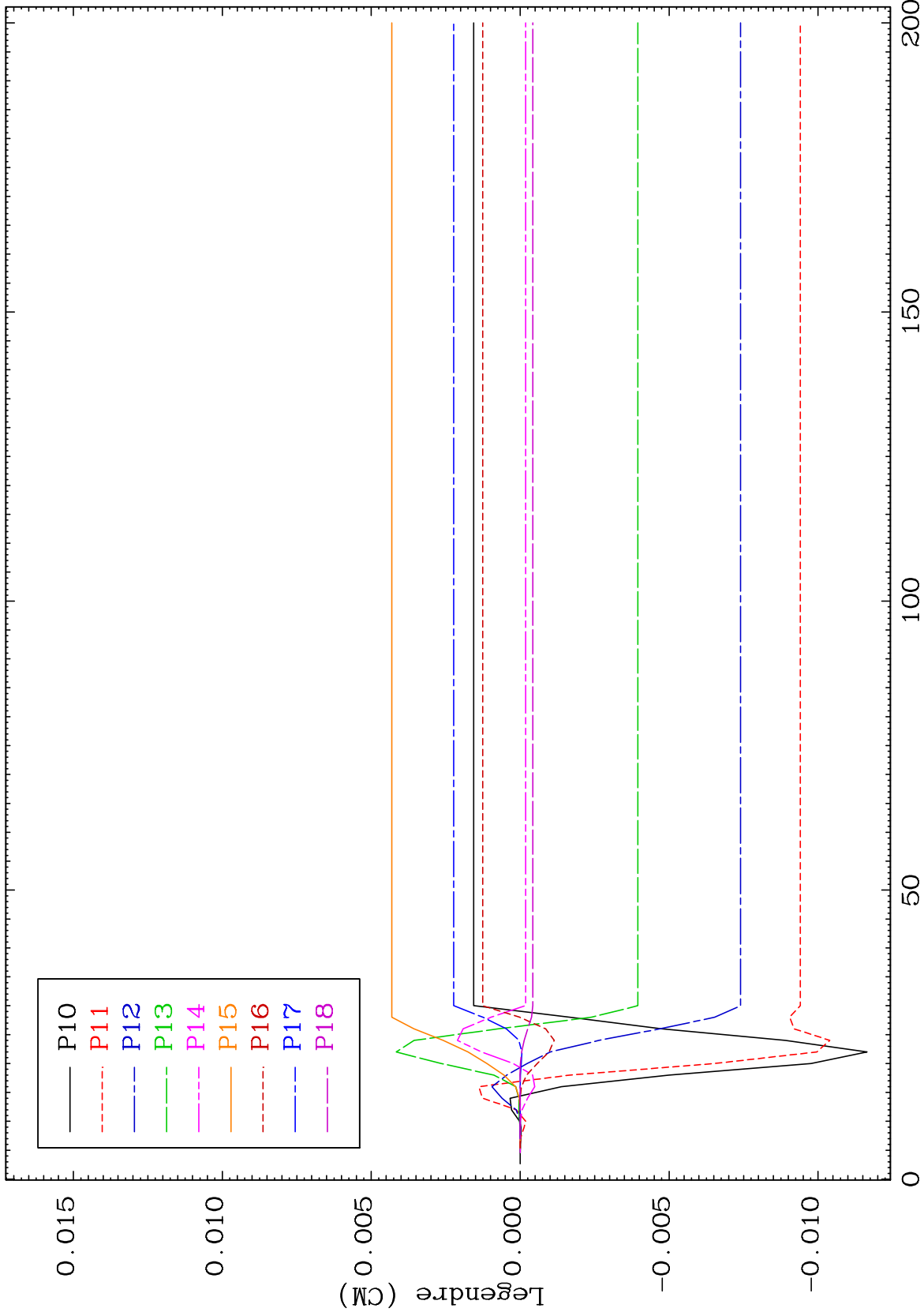
58-Ce-140



MAT 5837

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

58-Ce-140



64

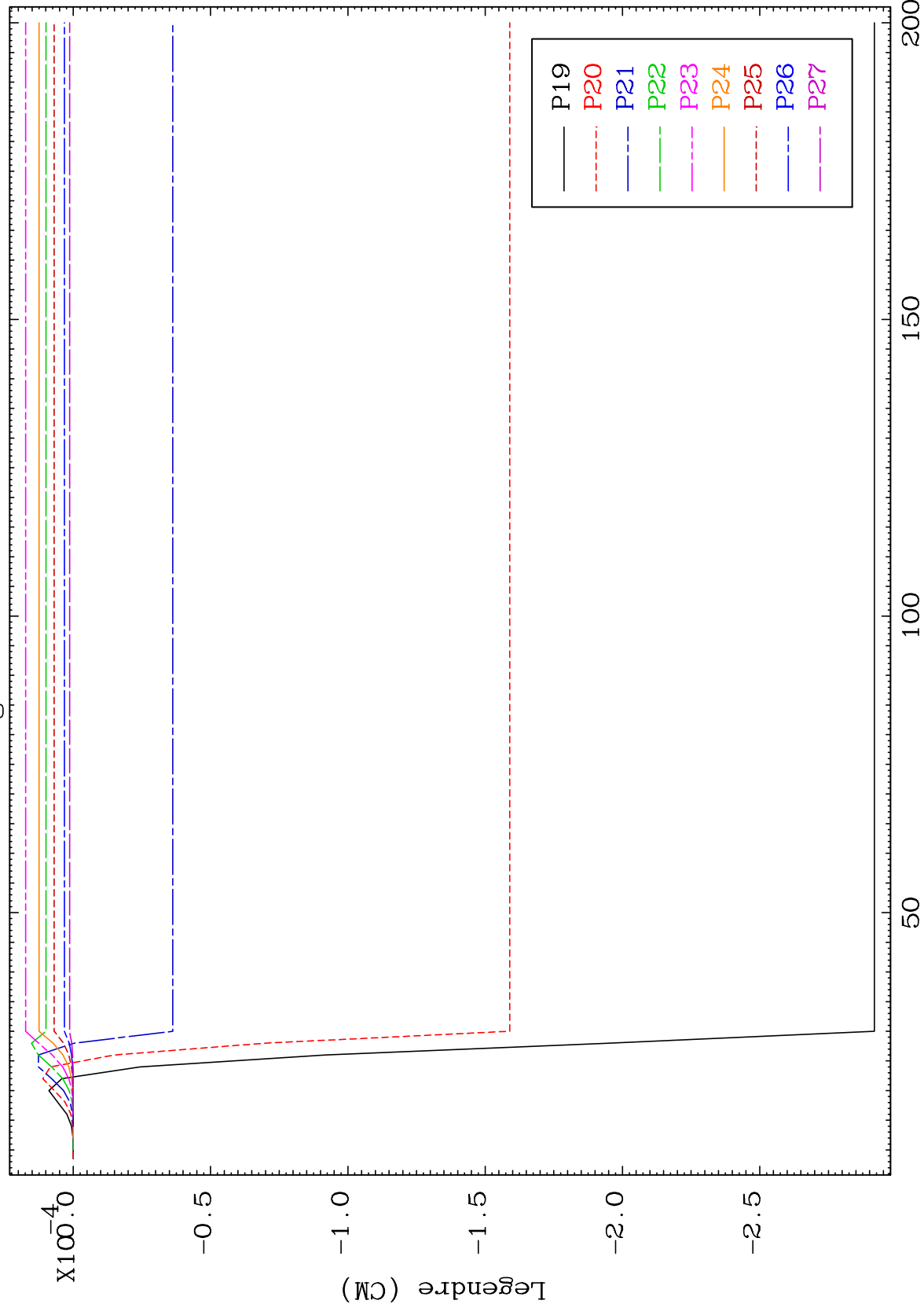
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



65

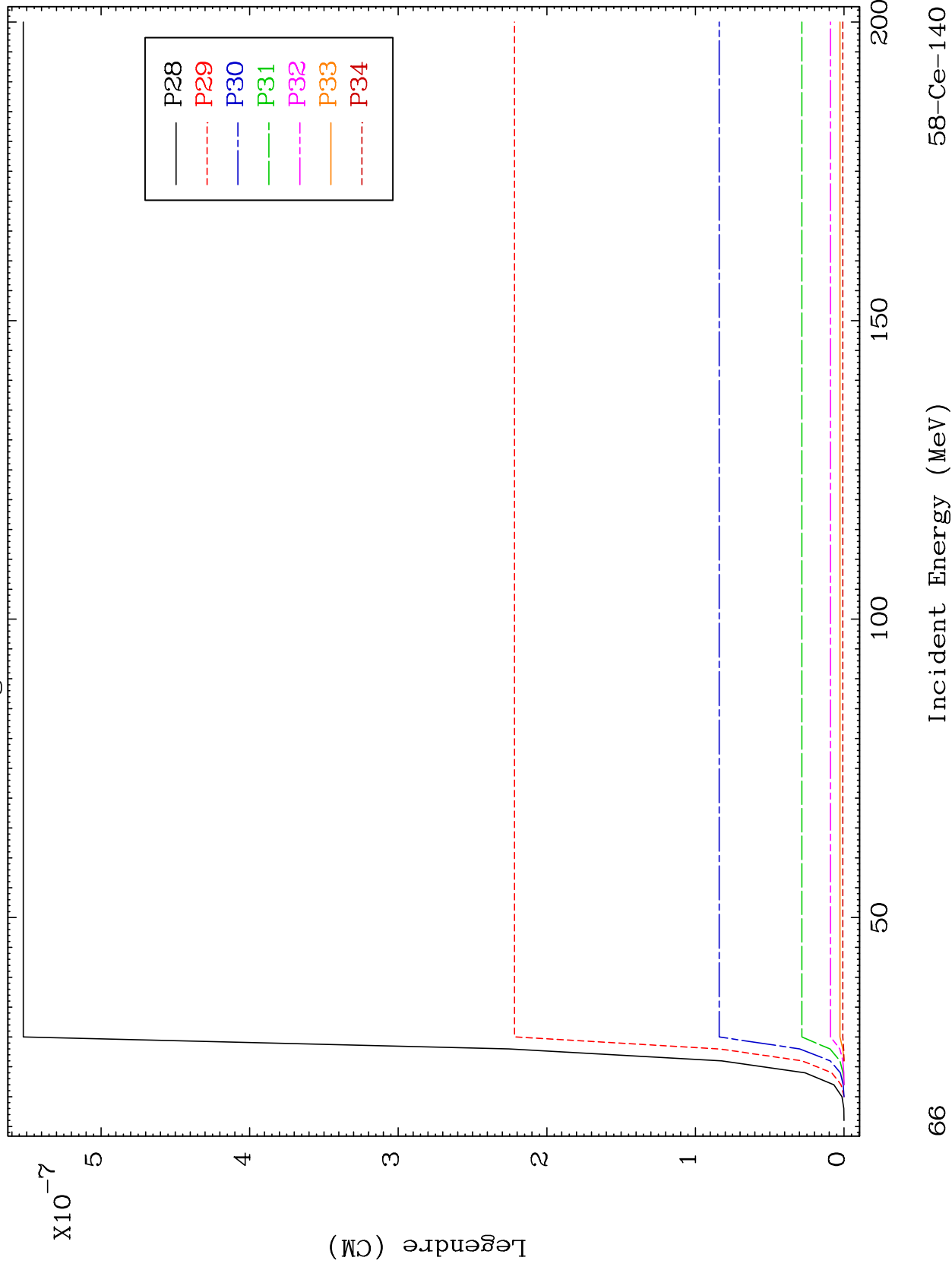
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

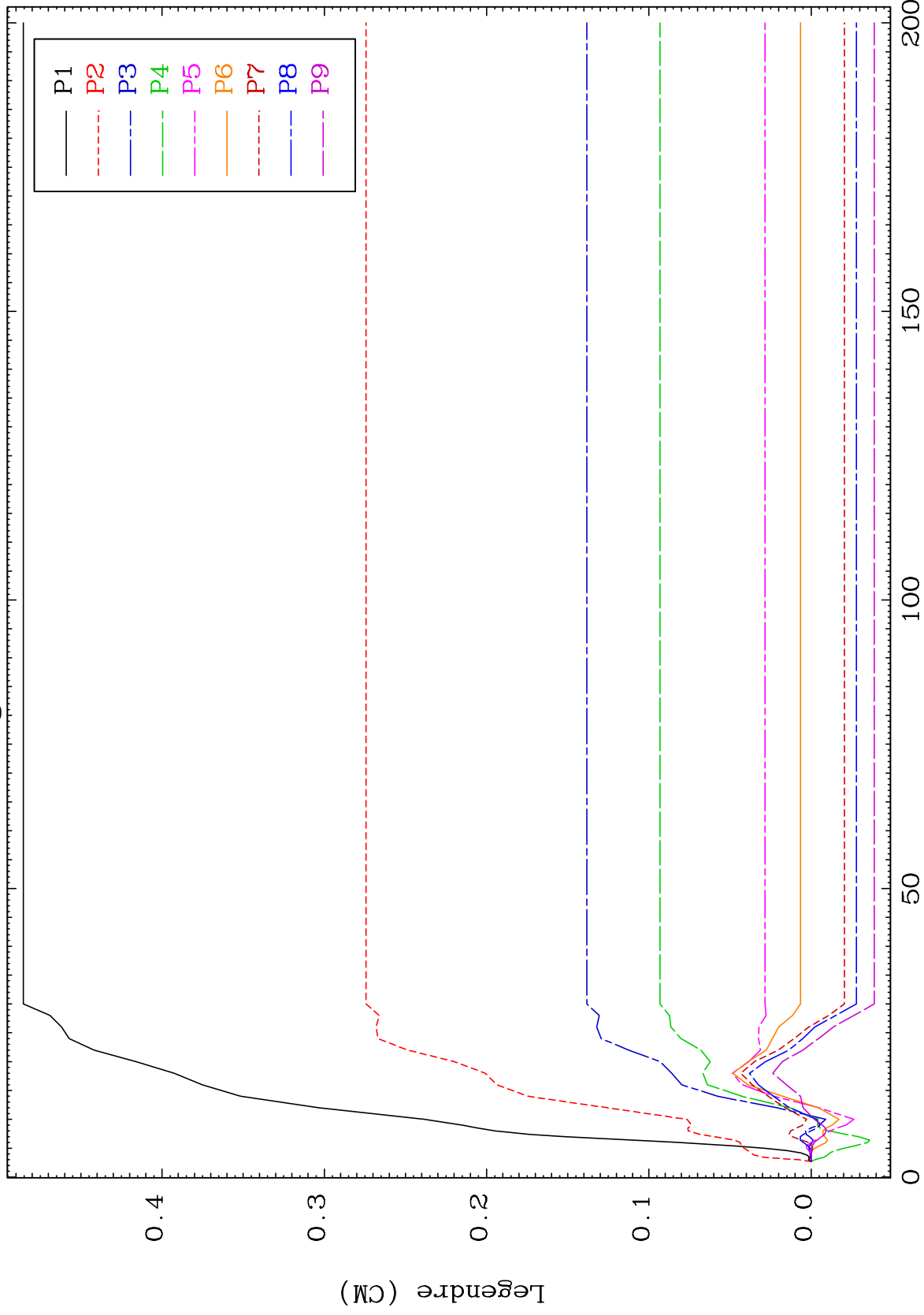
58-Ce-140



MAT 5837

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

58-Ce-140



58-Ce-140

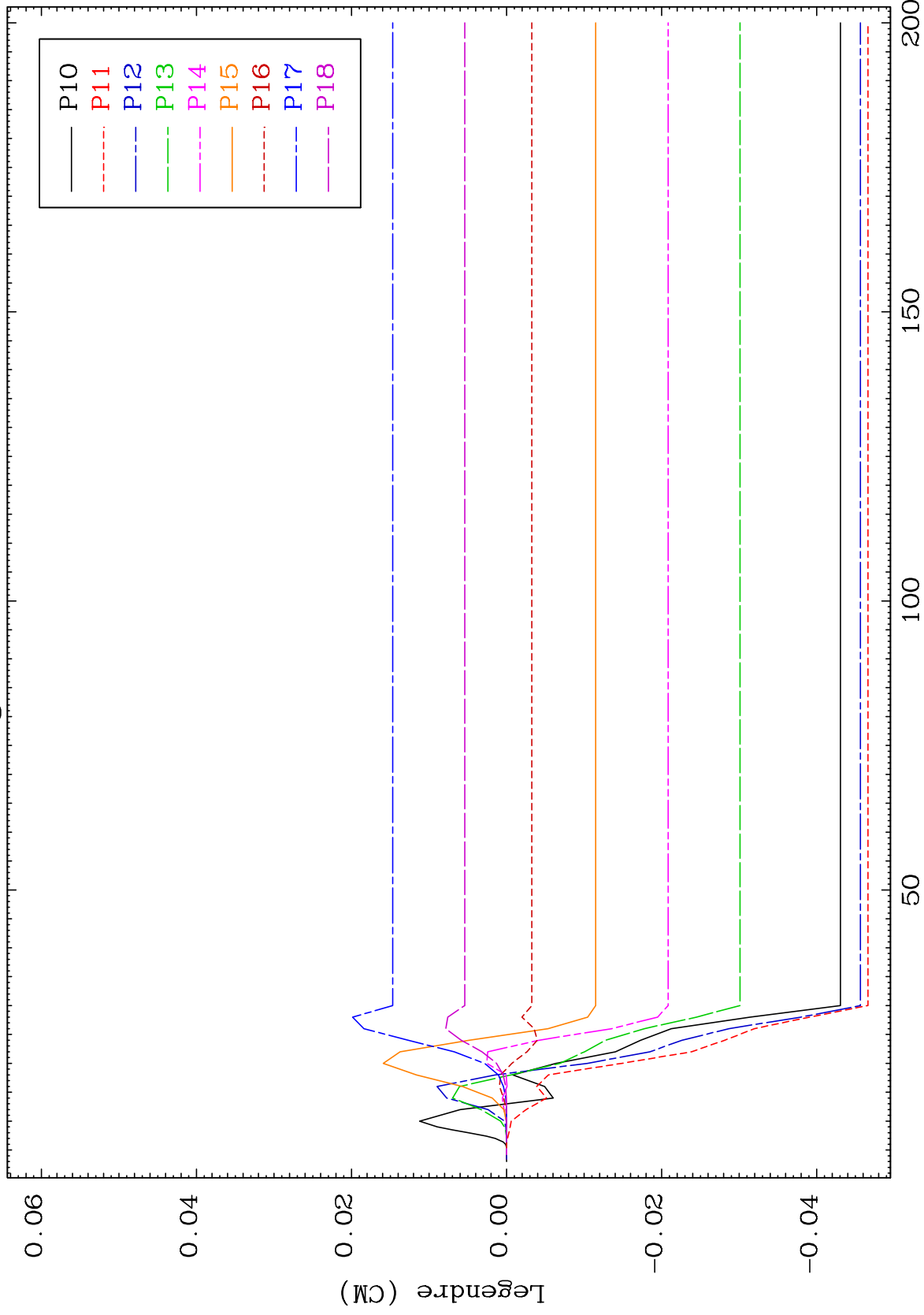
Incident Energy (MeV)

67

MAT 5837

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

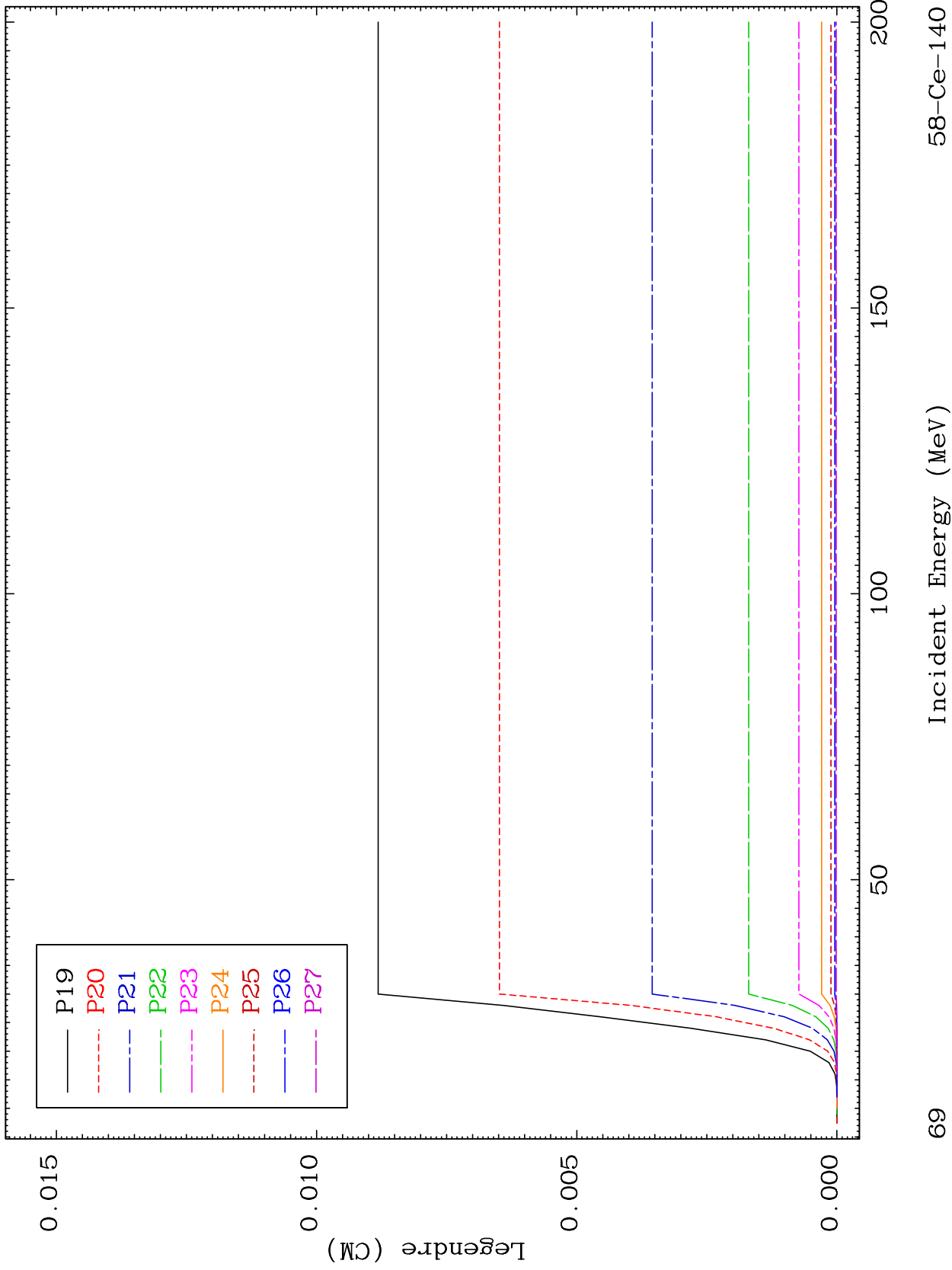
58-Ce-140



68

Incident Energy (MeV)

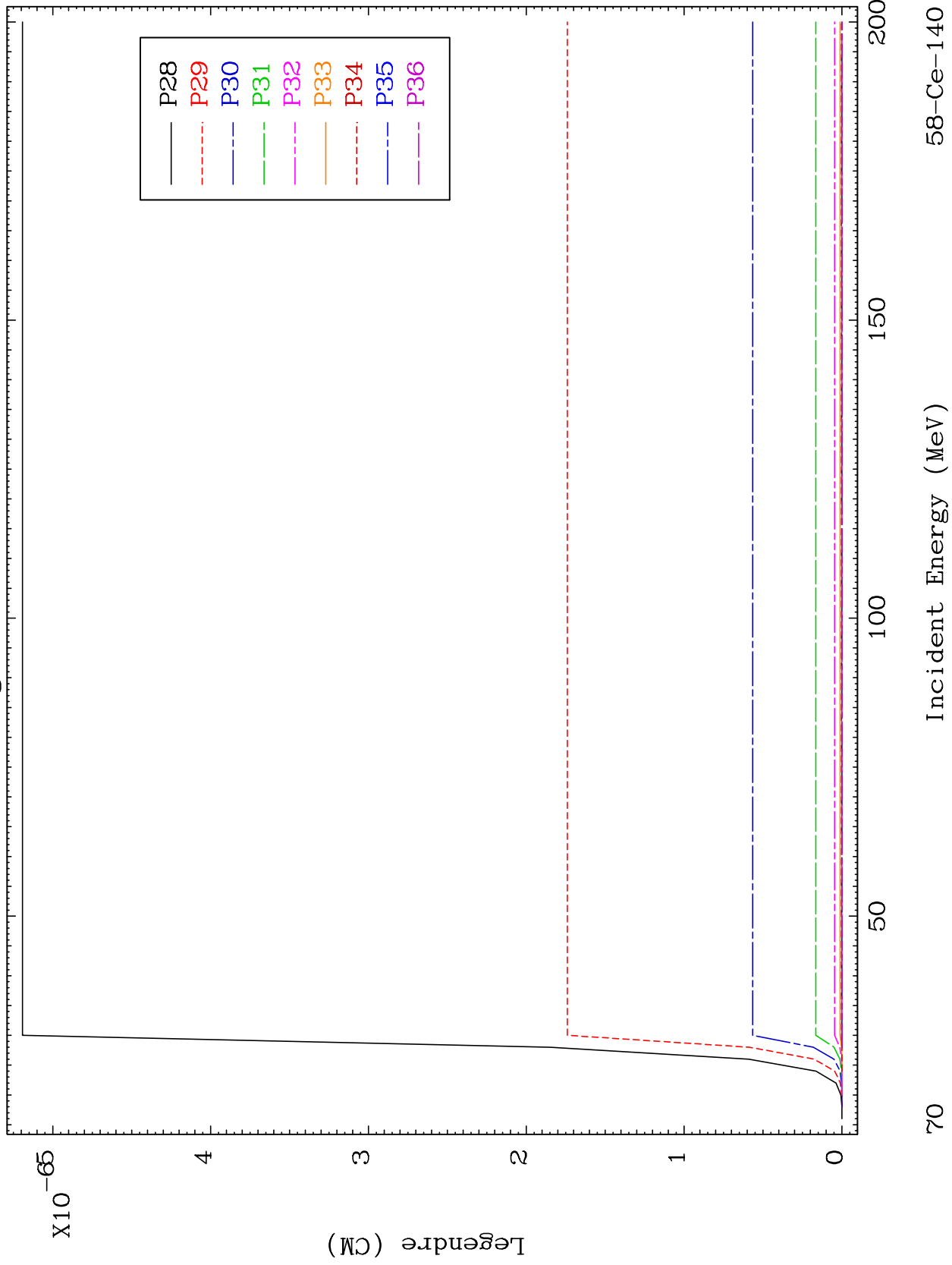
58-Ce-140



MAT 5837

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

58-Ce-140



70

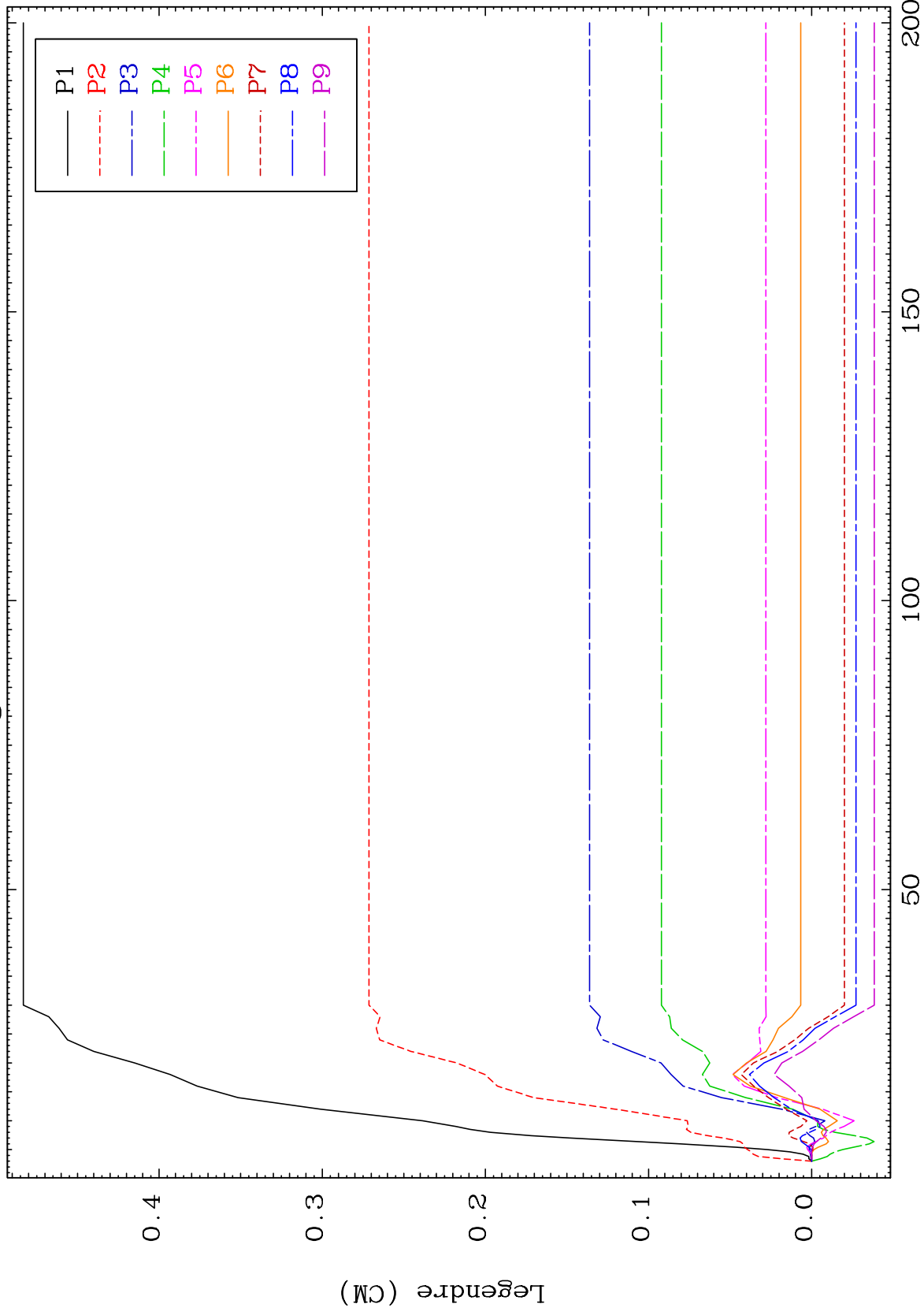
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



71

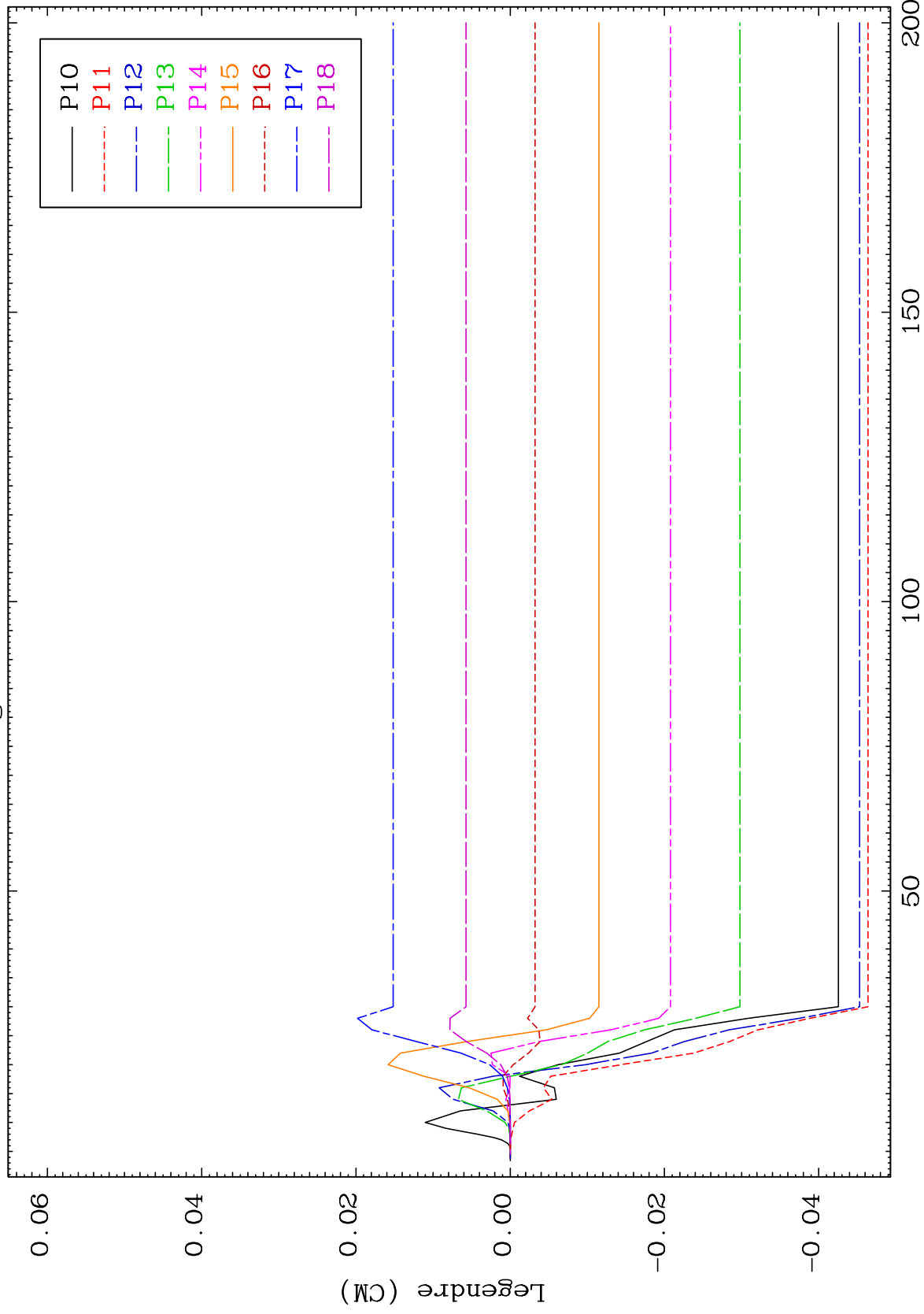
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



72

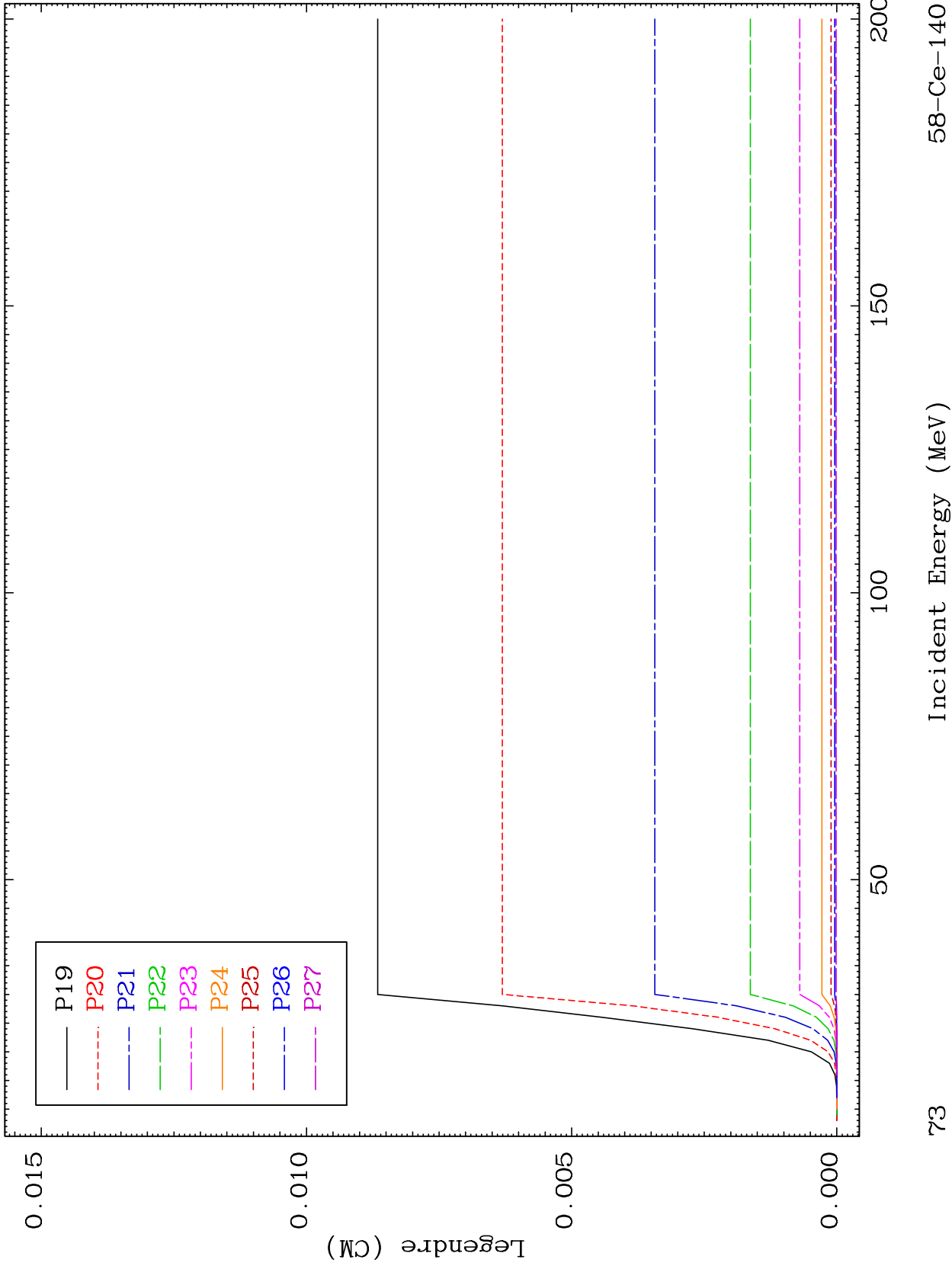
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



73

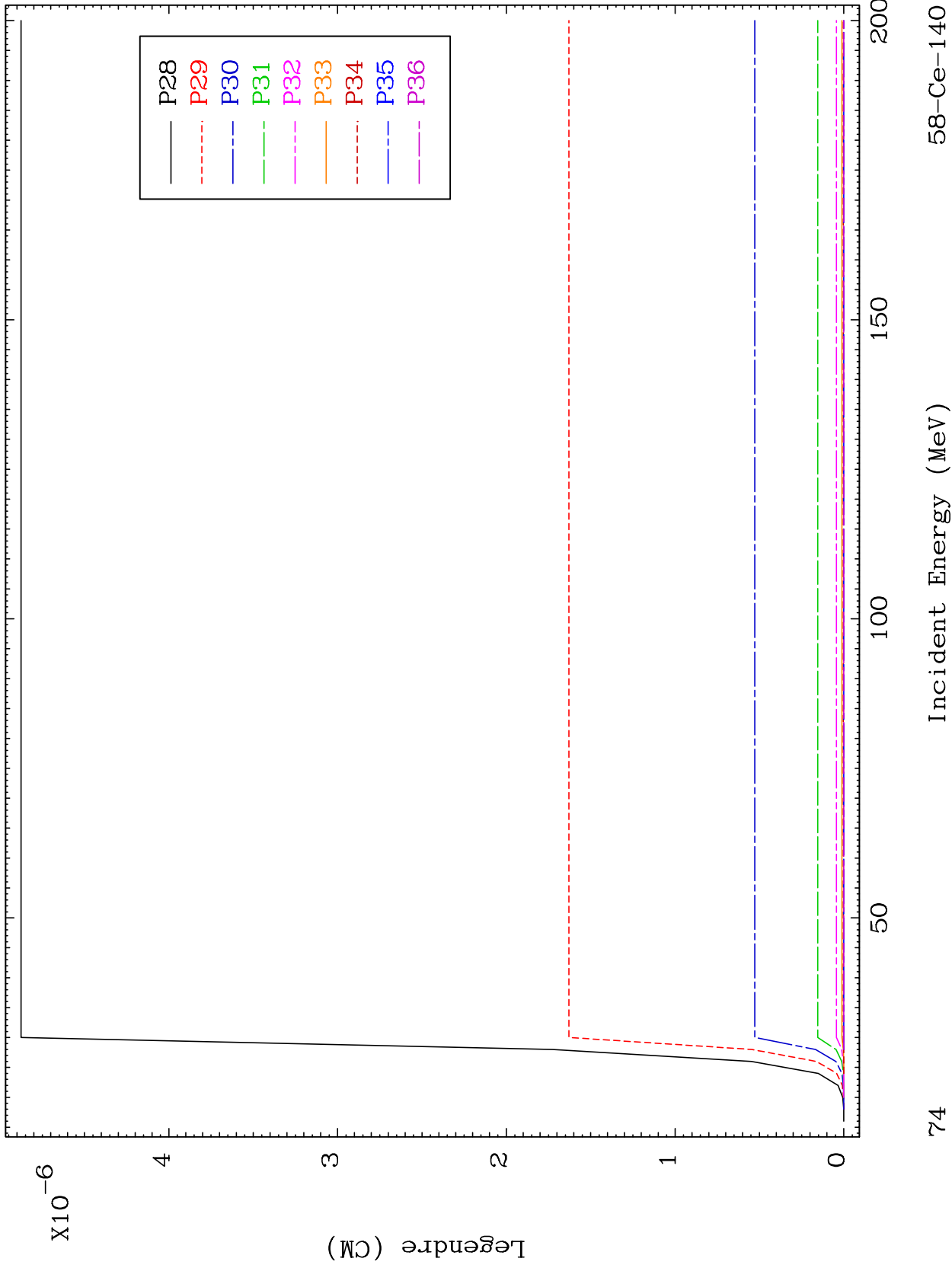
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

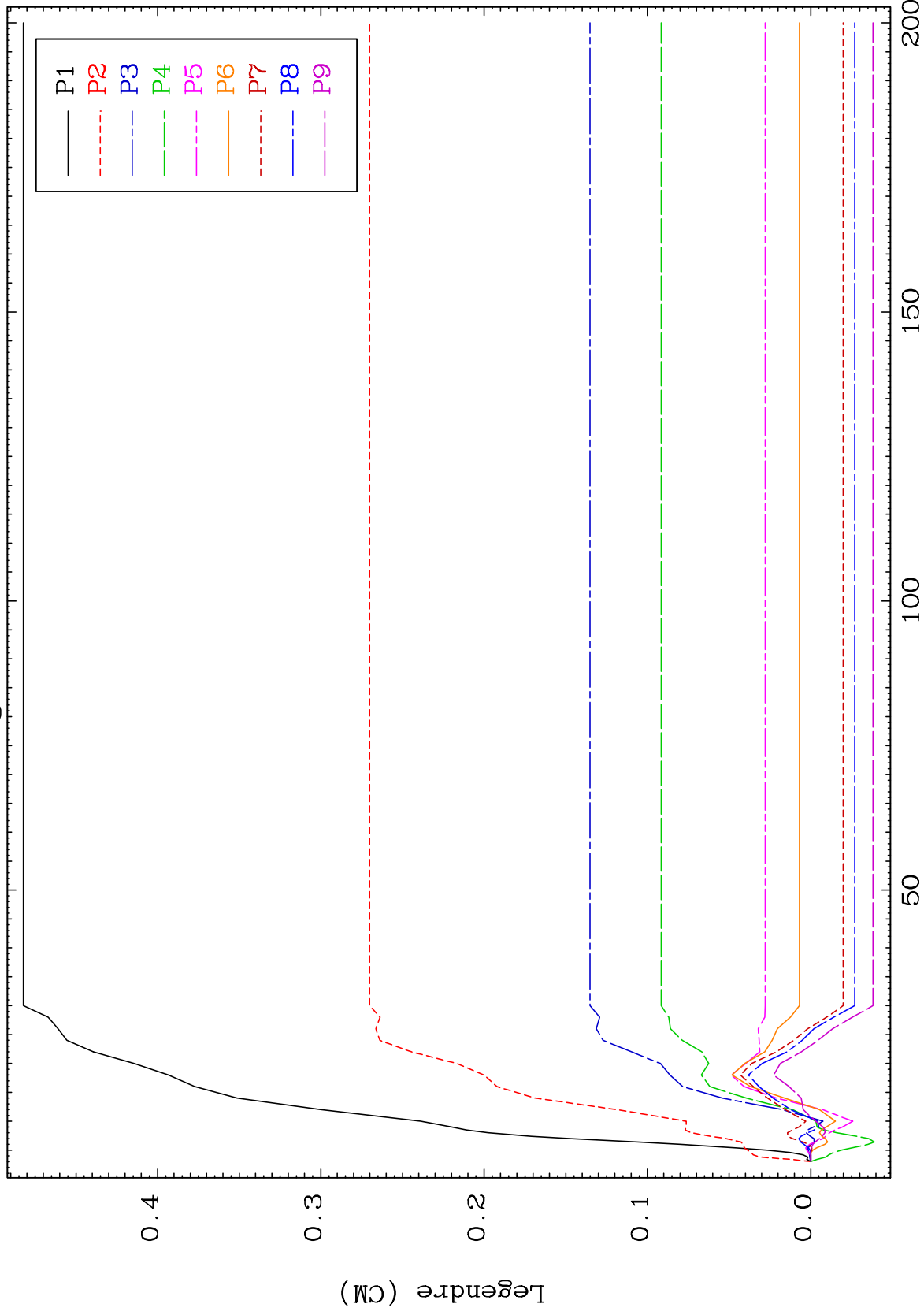
58-Ce-140



MAT 5837

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

58-Ce-140



75

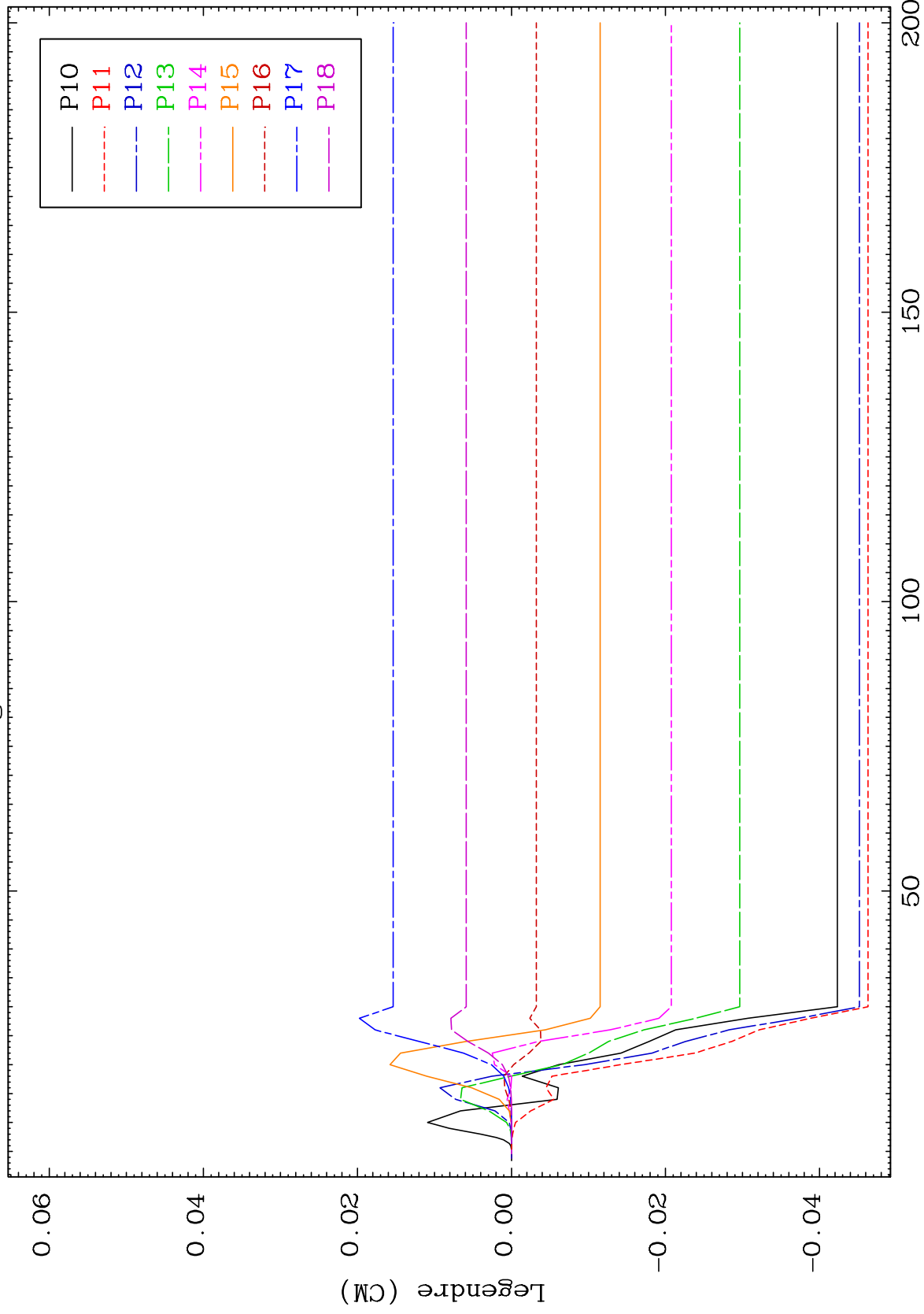
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



76

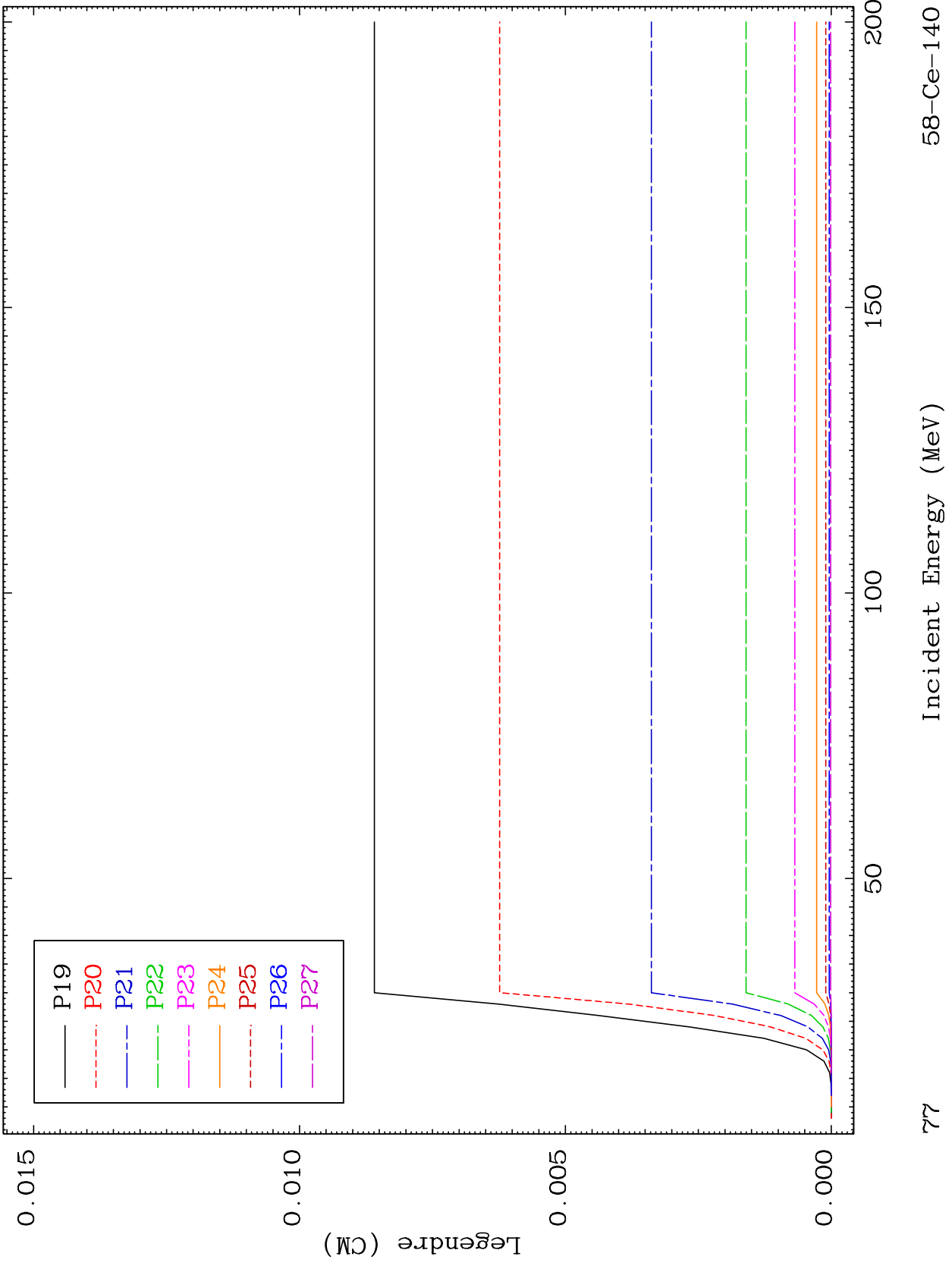
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

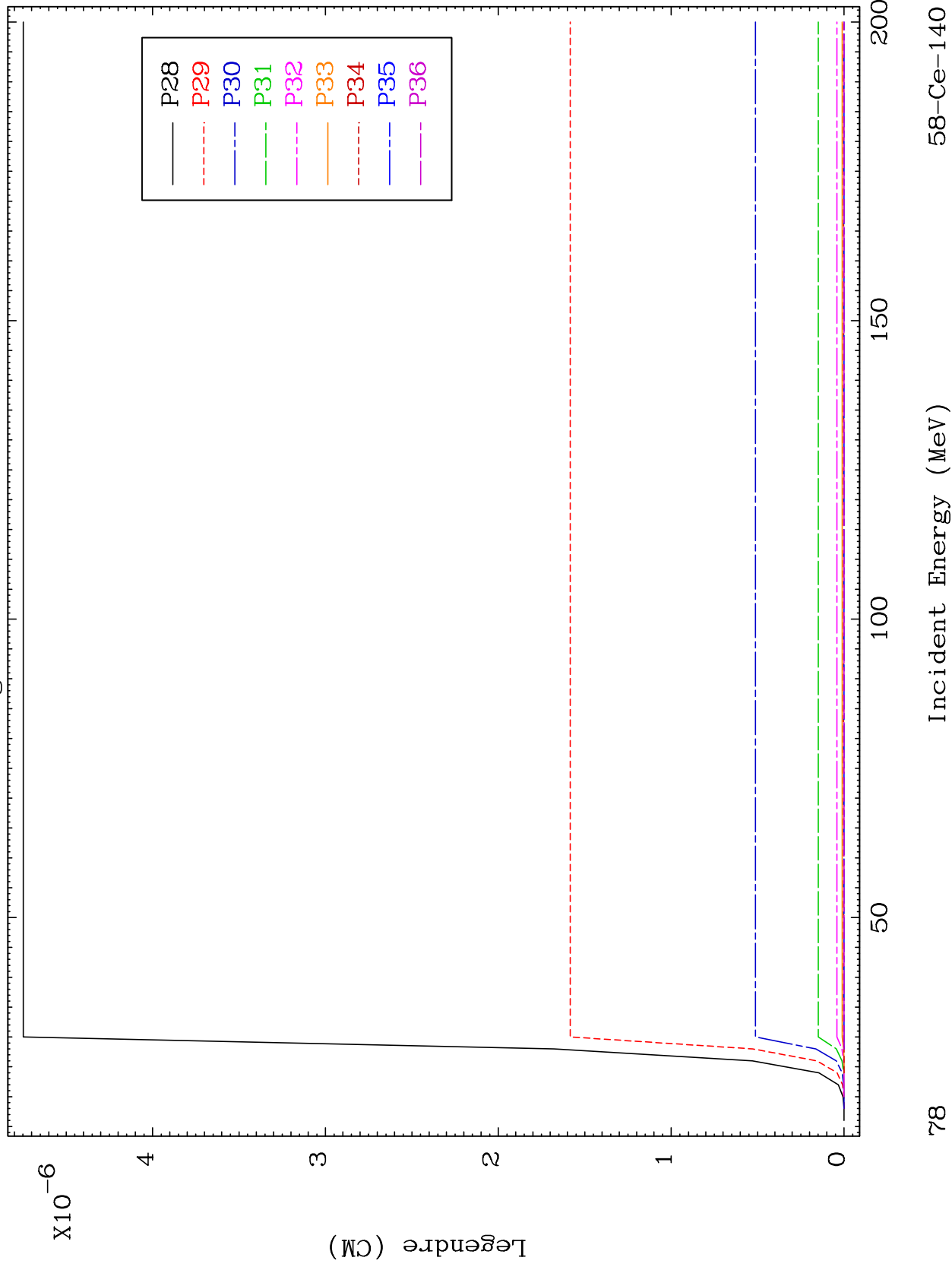
58-Ce-140



MAT 5837

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

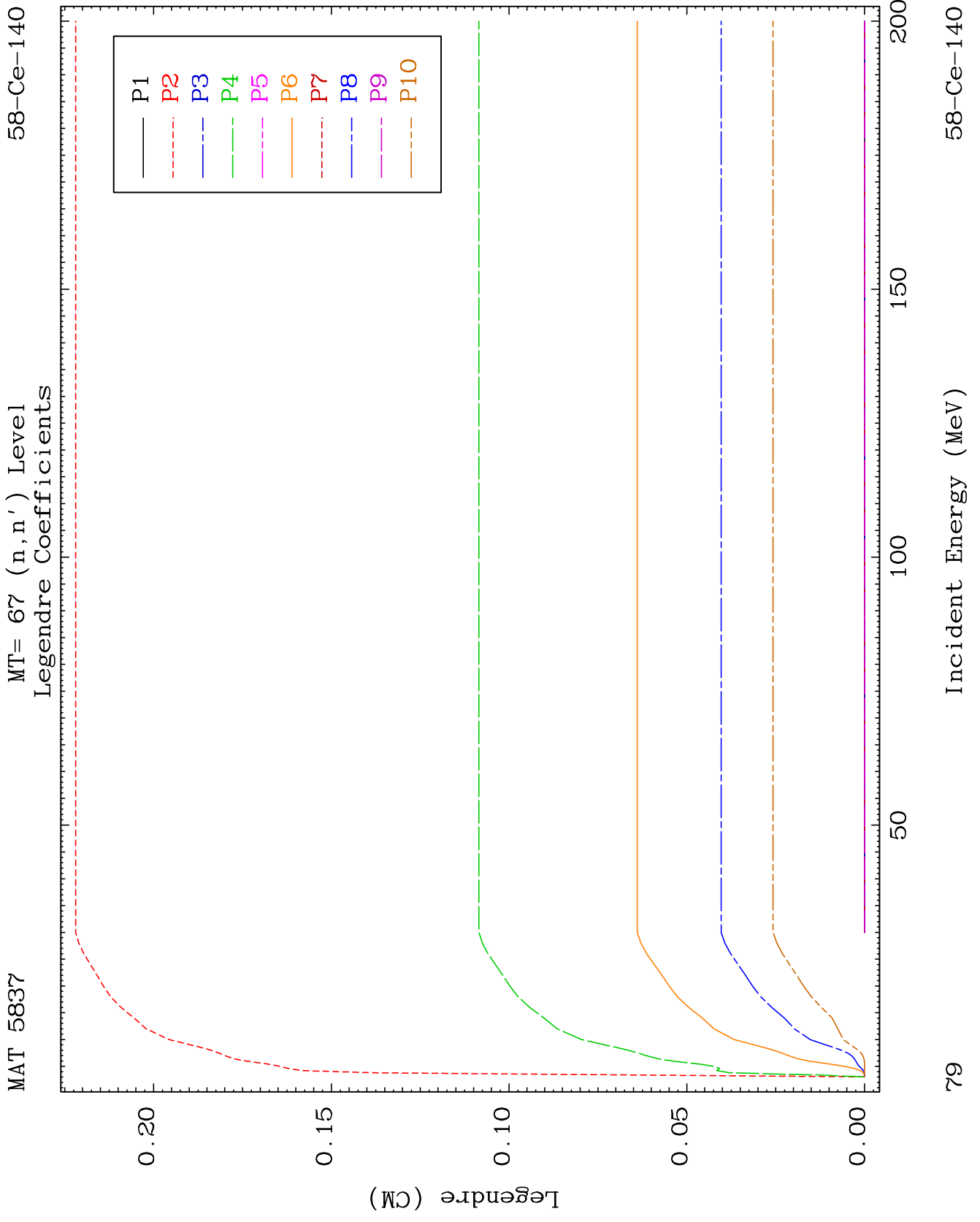
58-Ce-140

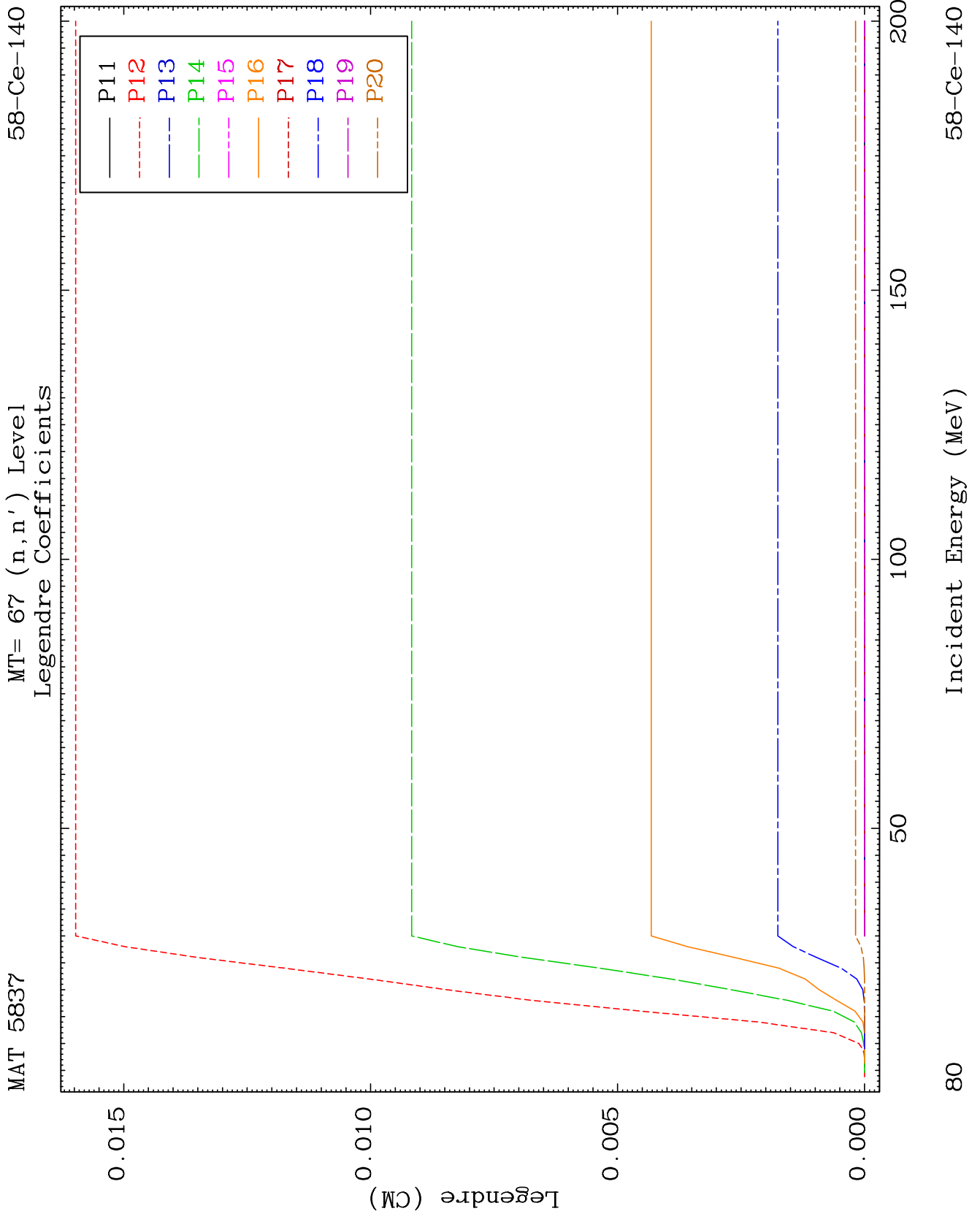


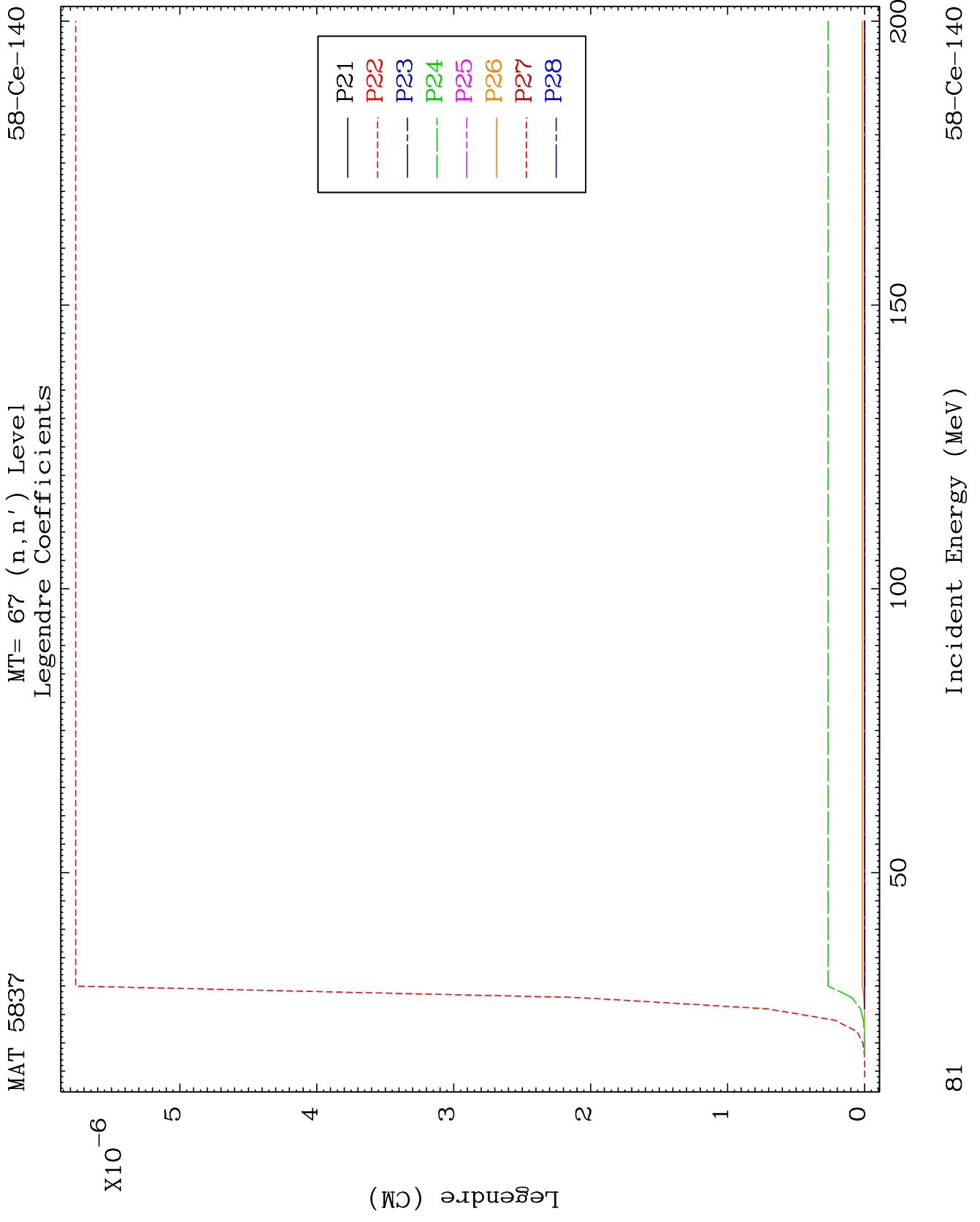
78

Incident Energy (MeV)

58-Ce-140



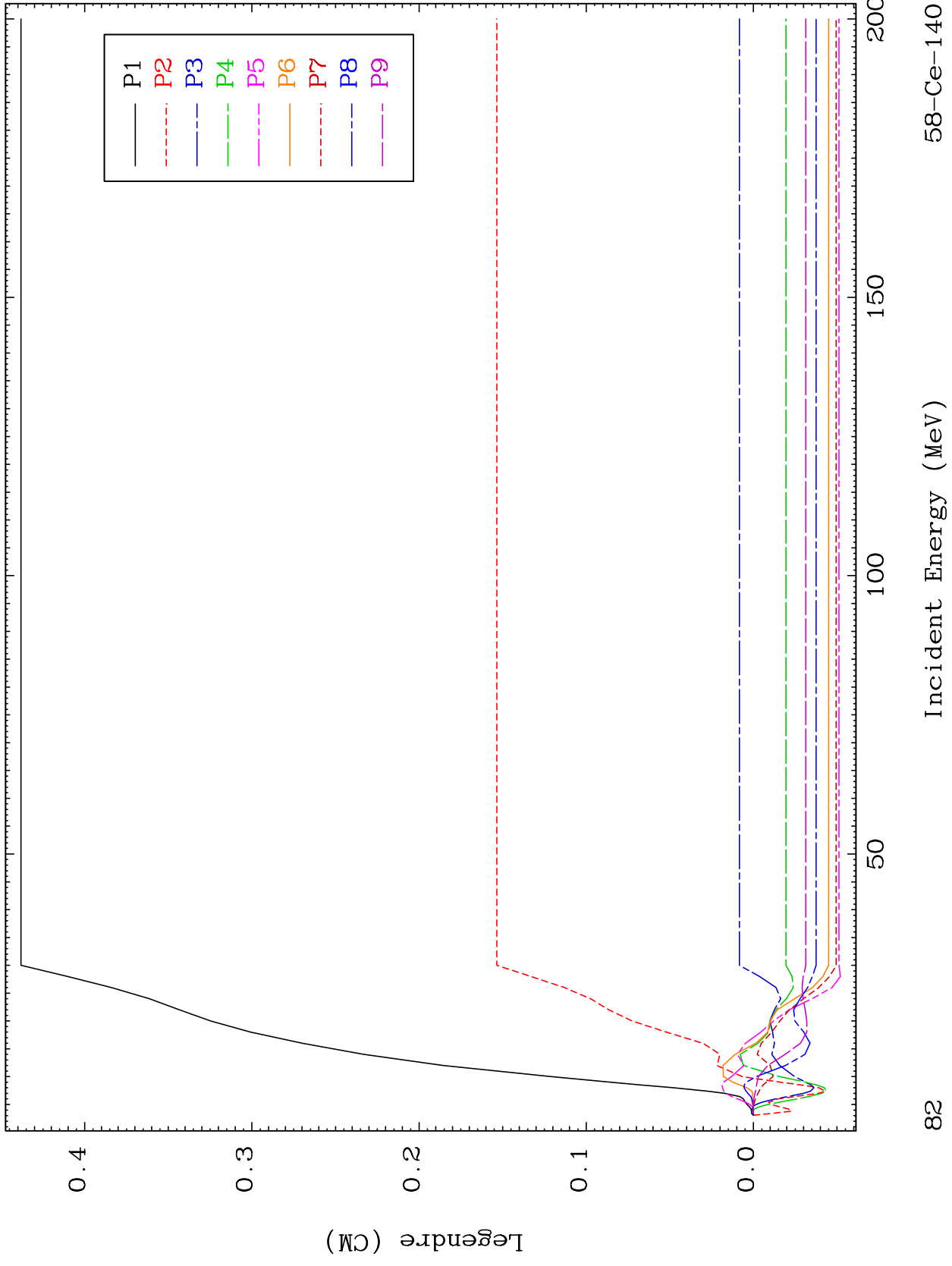




MAT 5837

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

58-Ce-140



82

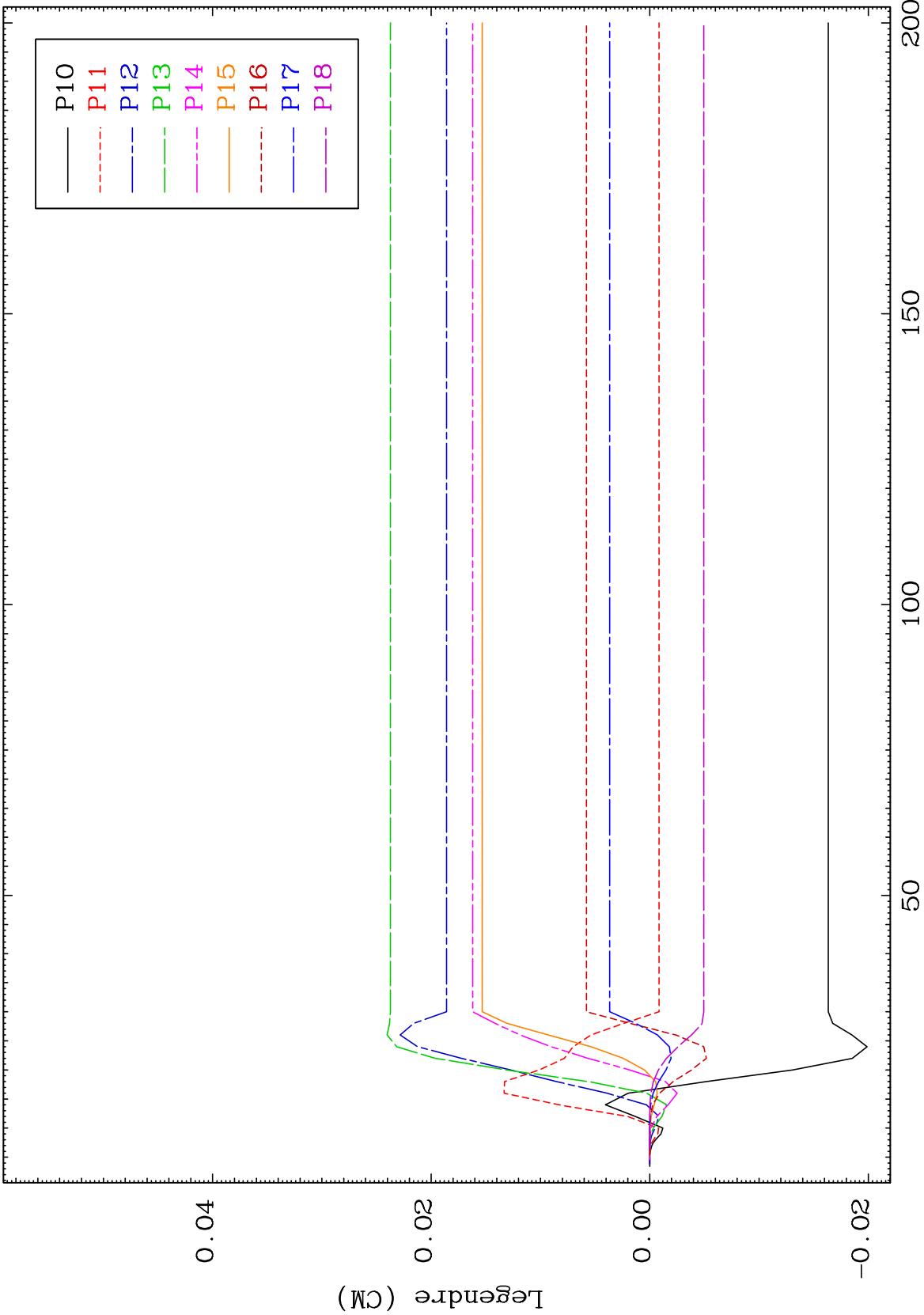
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



83

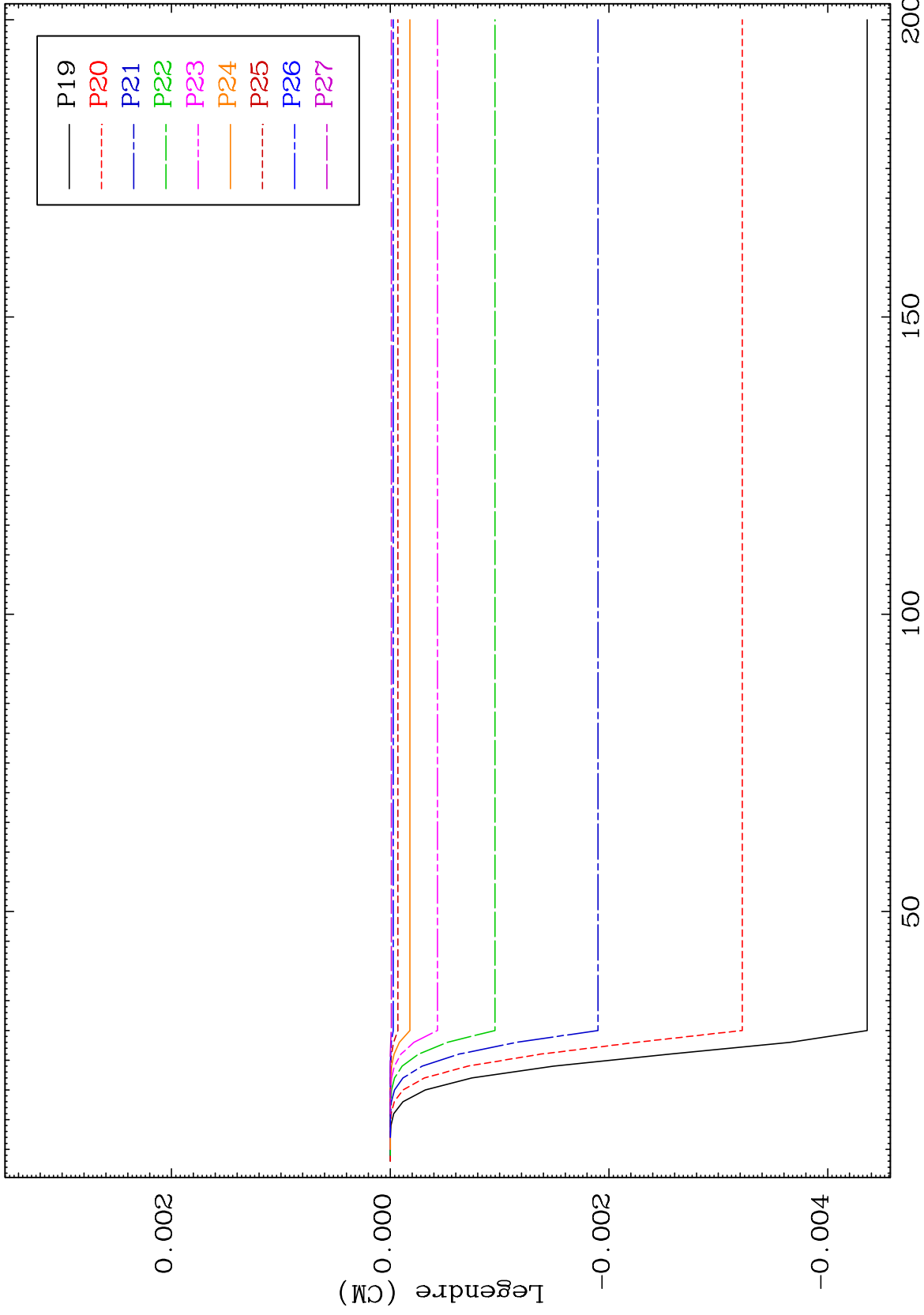
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

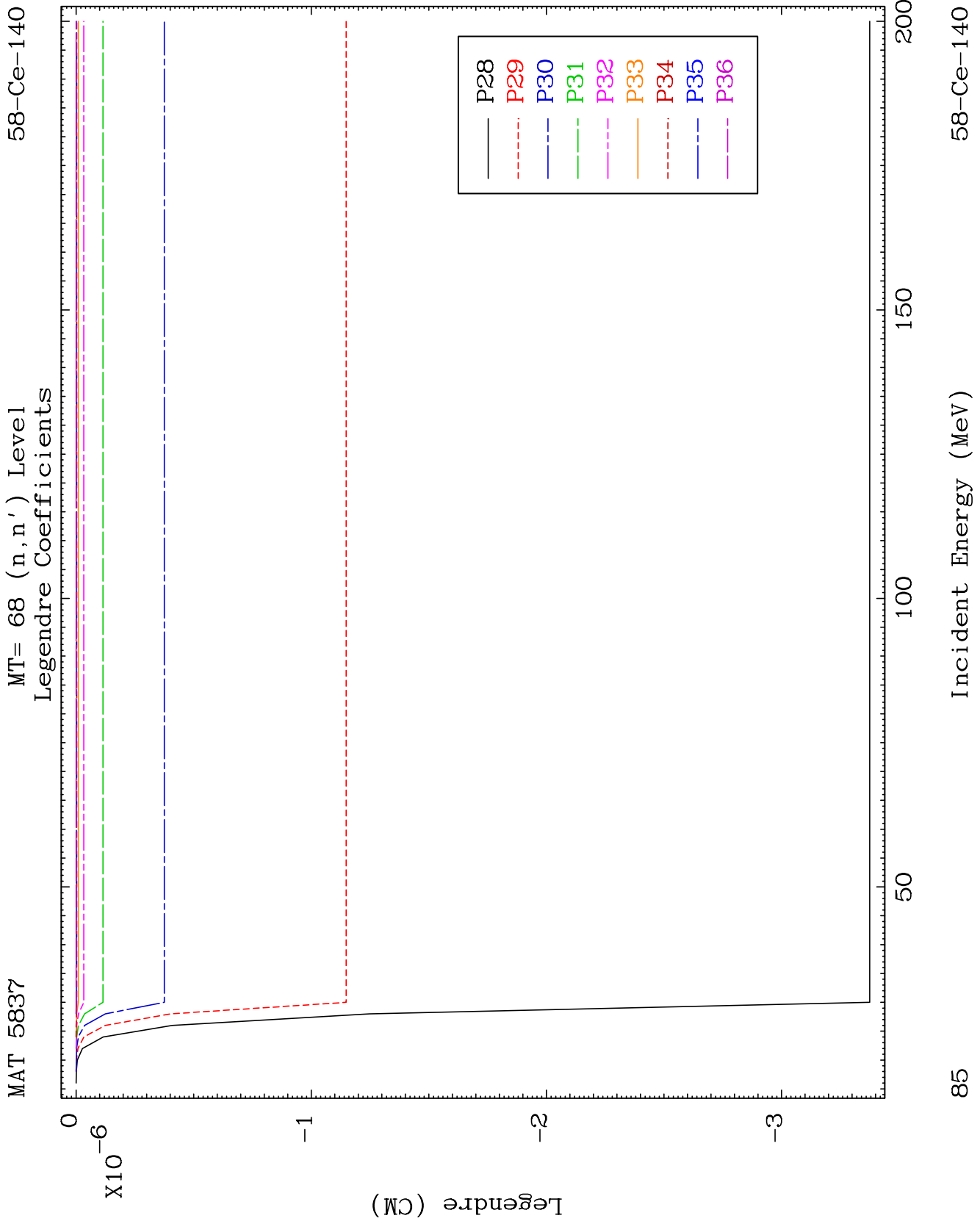
58-Ce-140



84

Incident Energy (MeV)

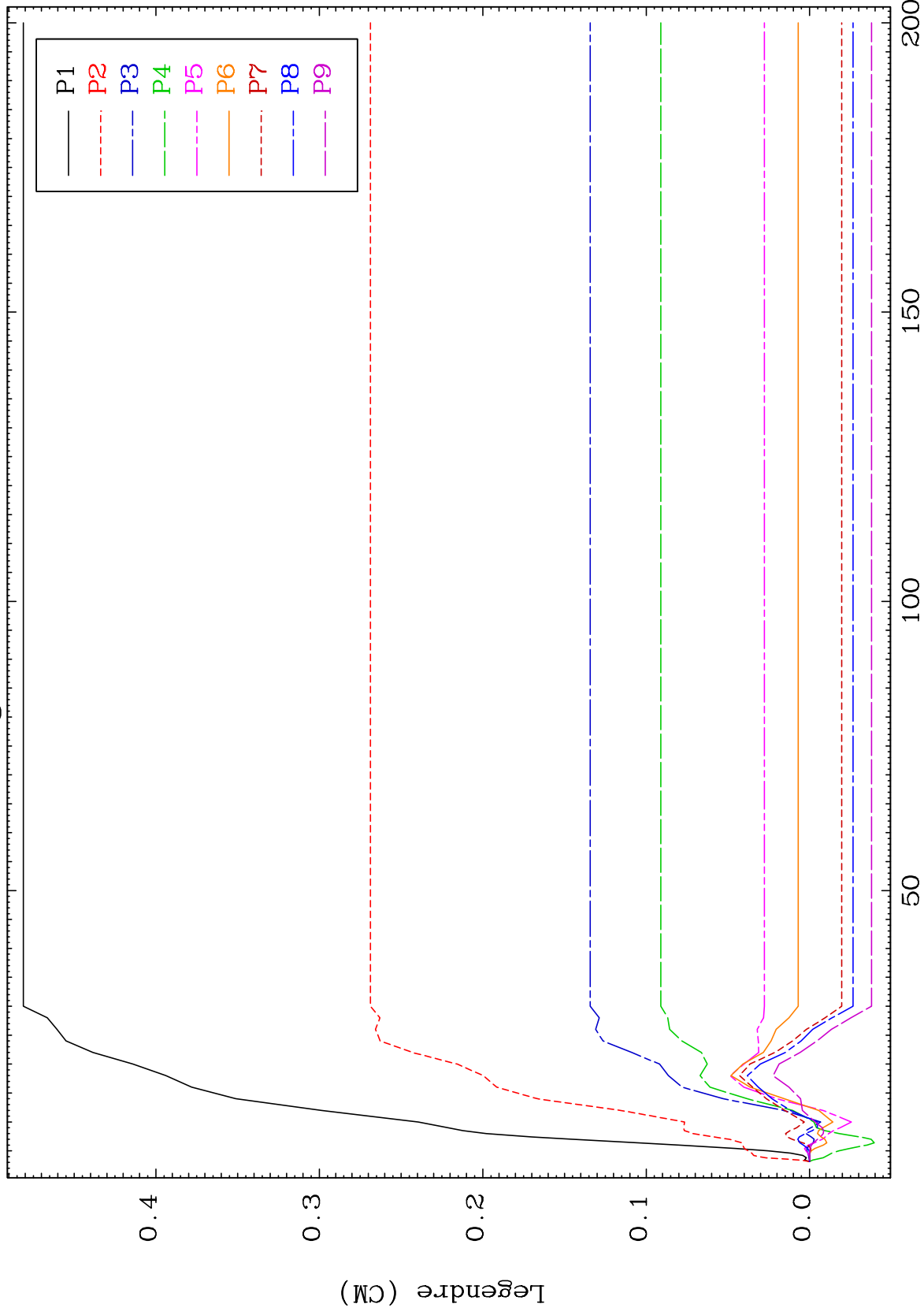
58-Ce-140



MAT 5837

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

58-Ce-140



86

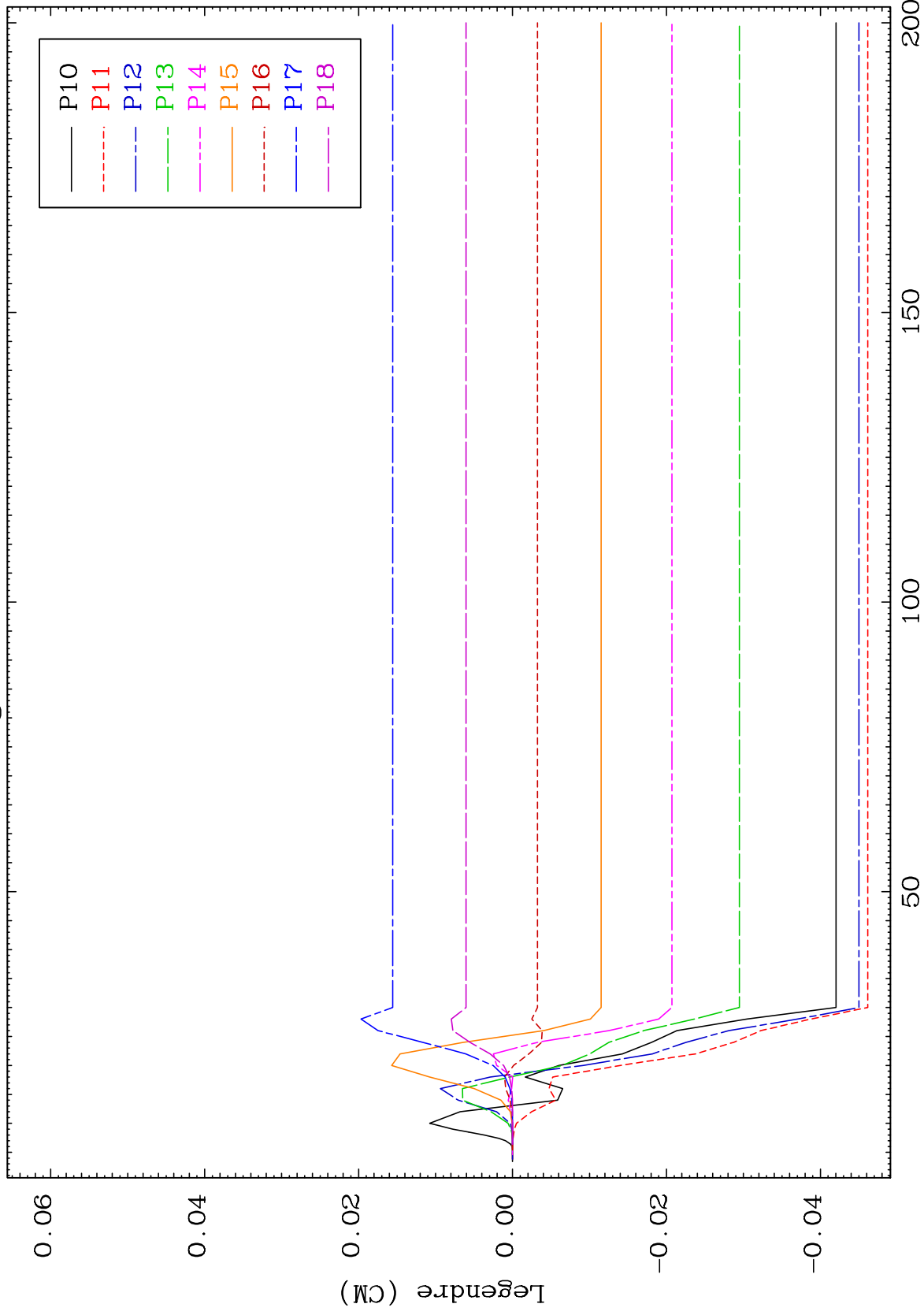
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



87

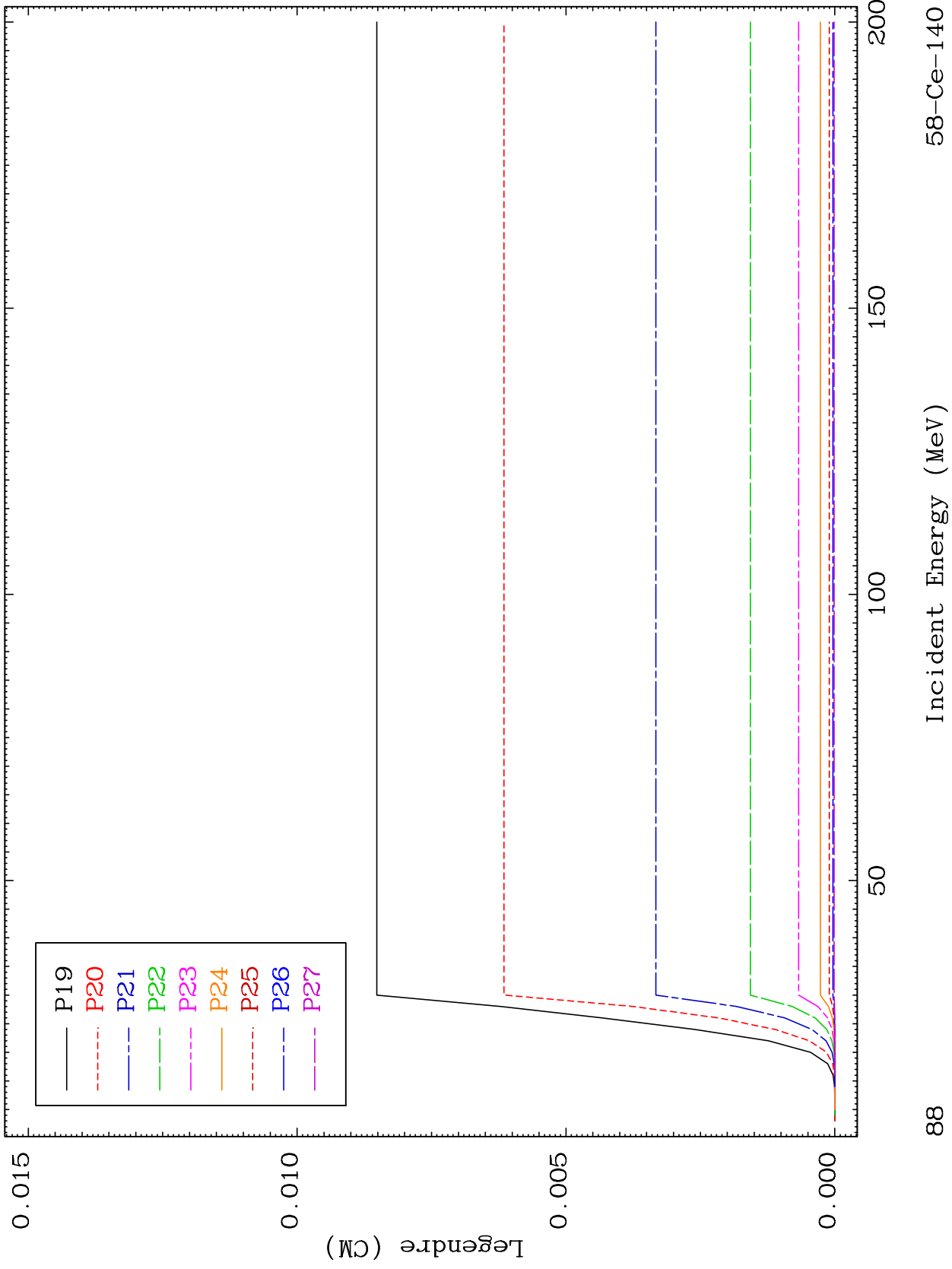
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



88

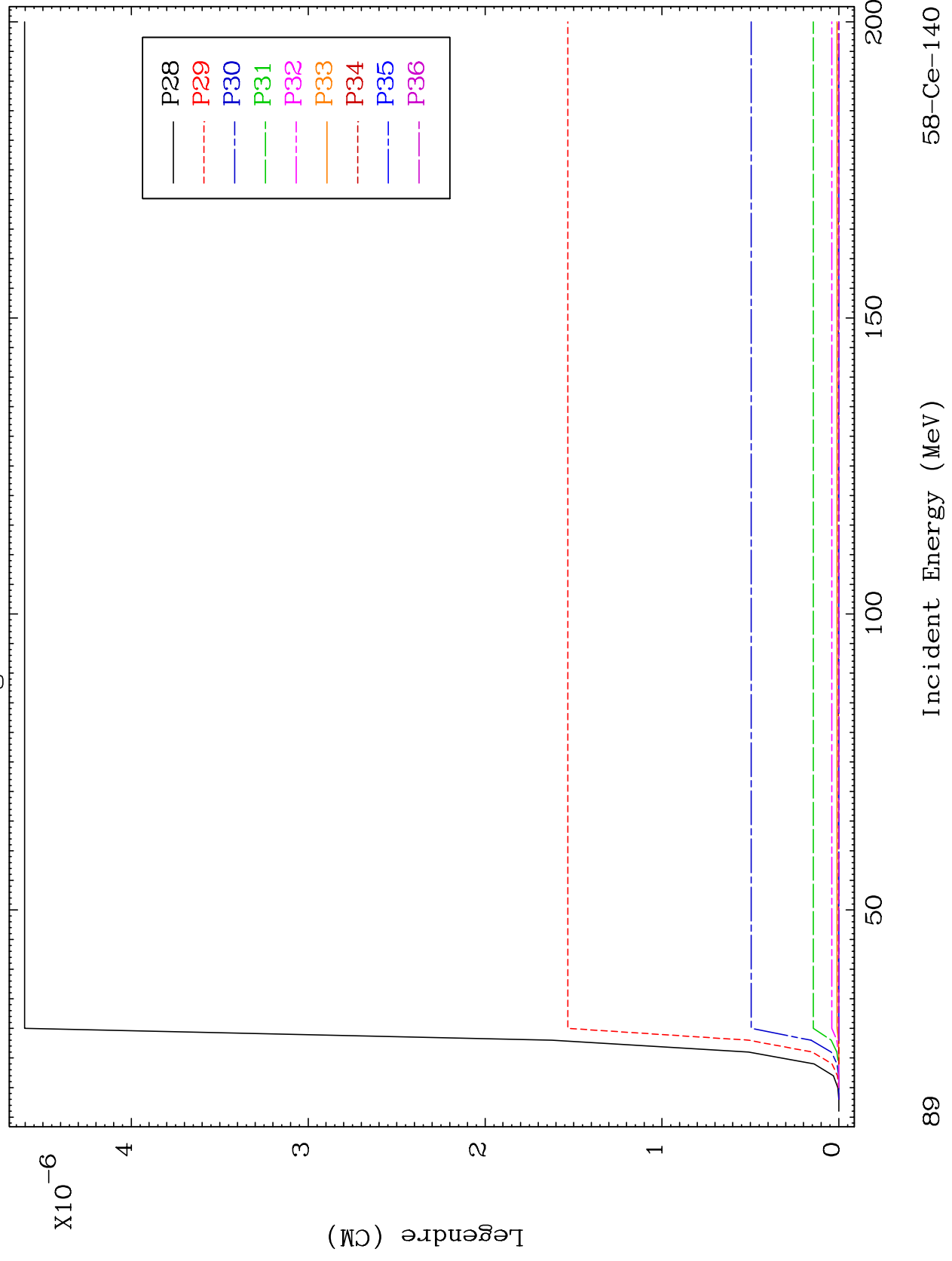
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

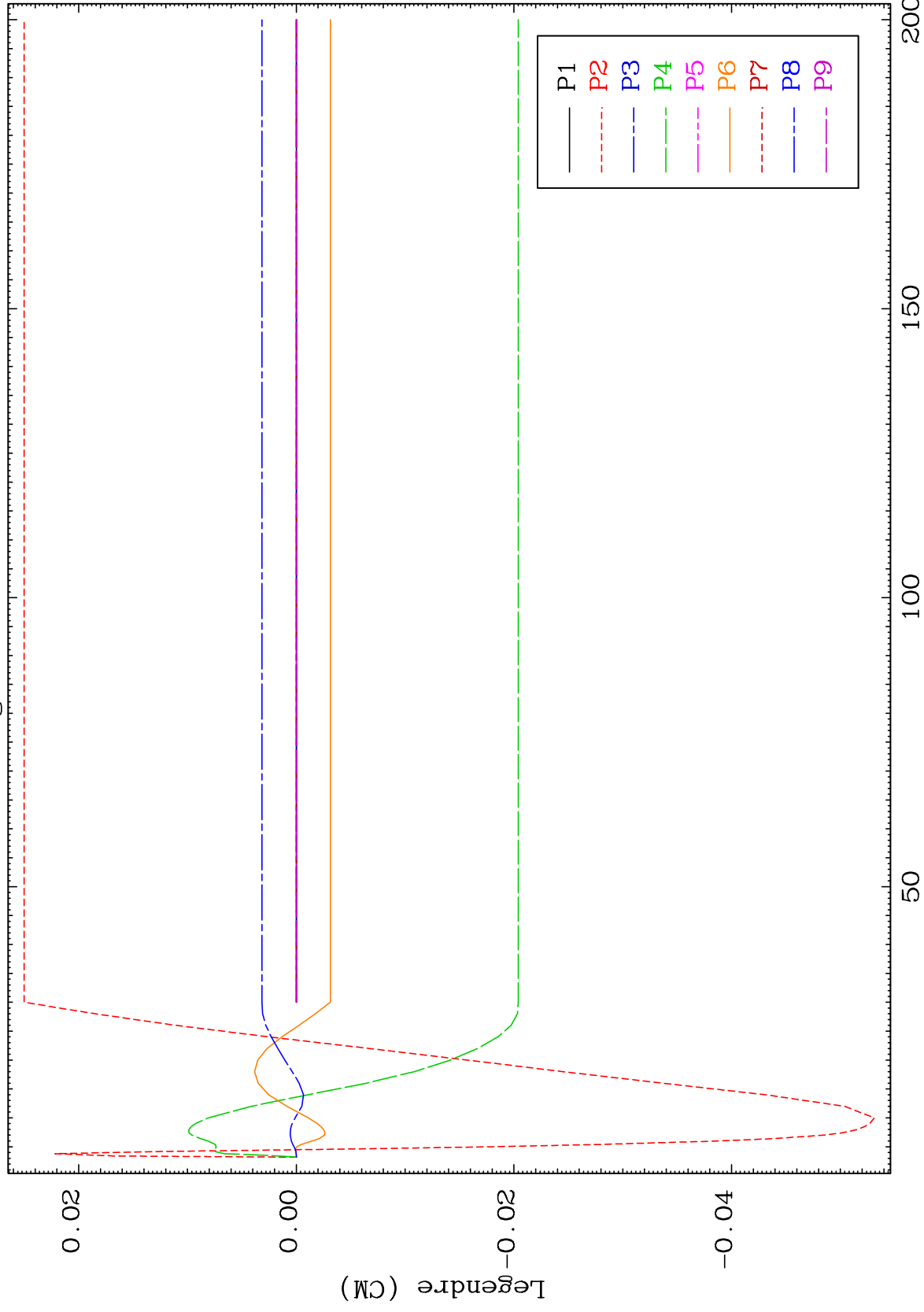
58-Ce-140



MAT 5837

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

58-Ce-140



90

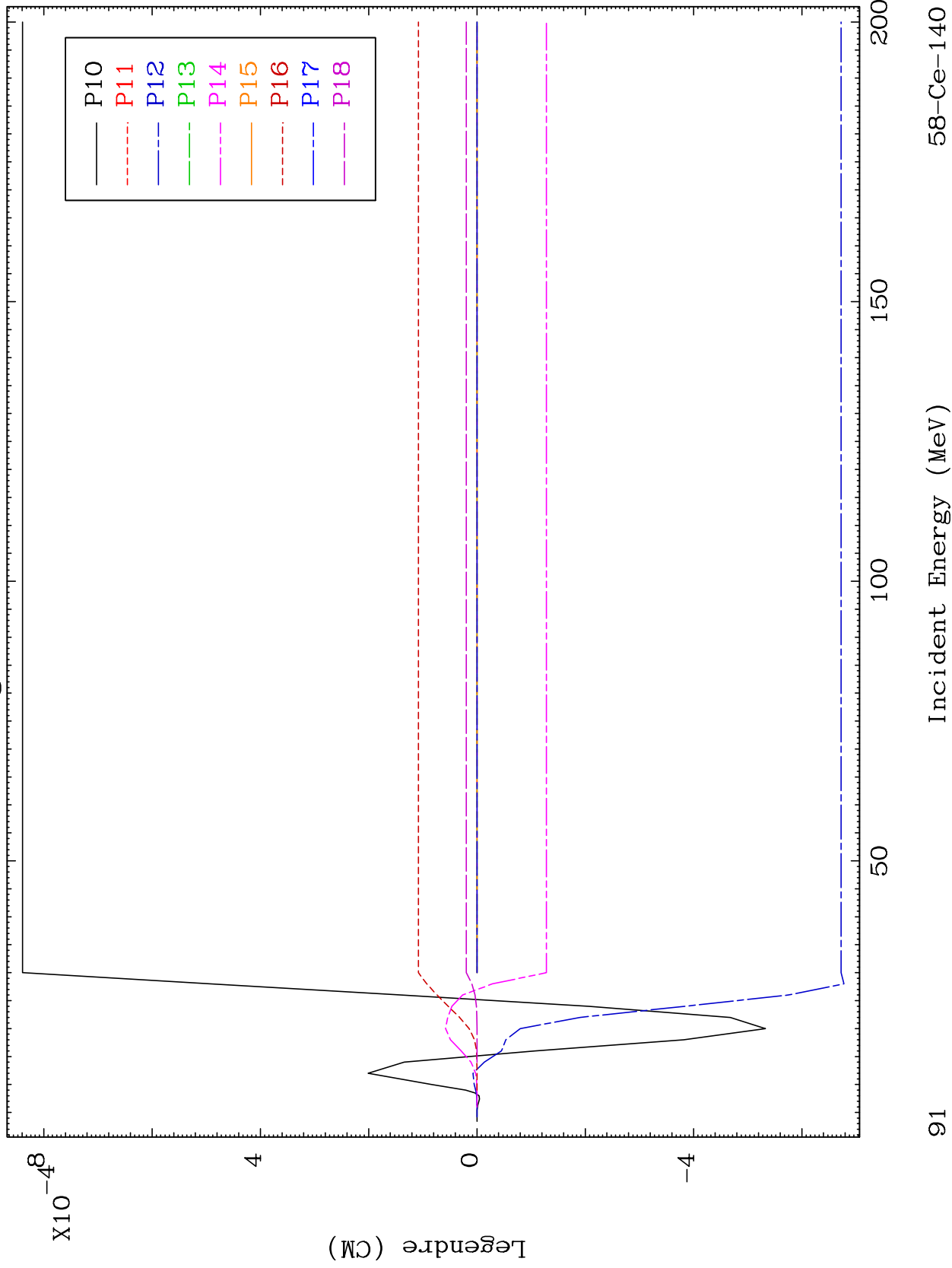
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



91

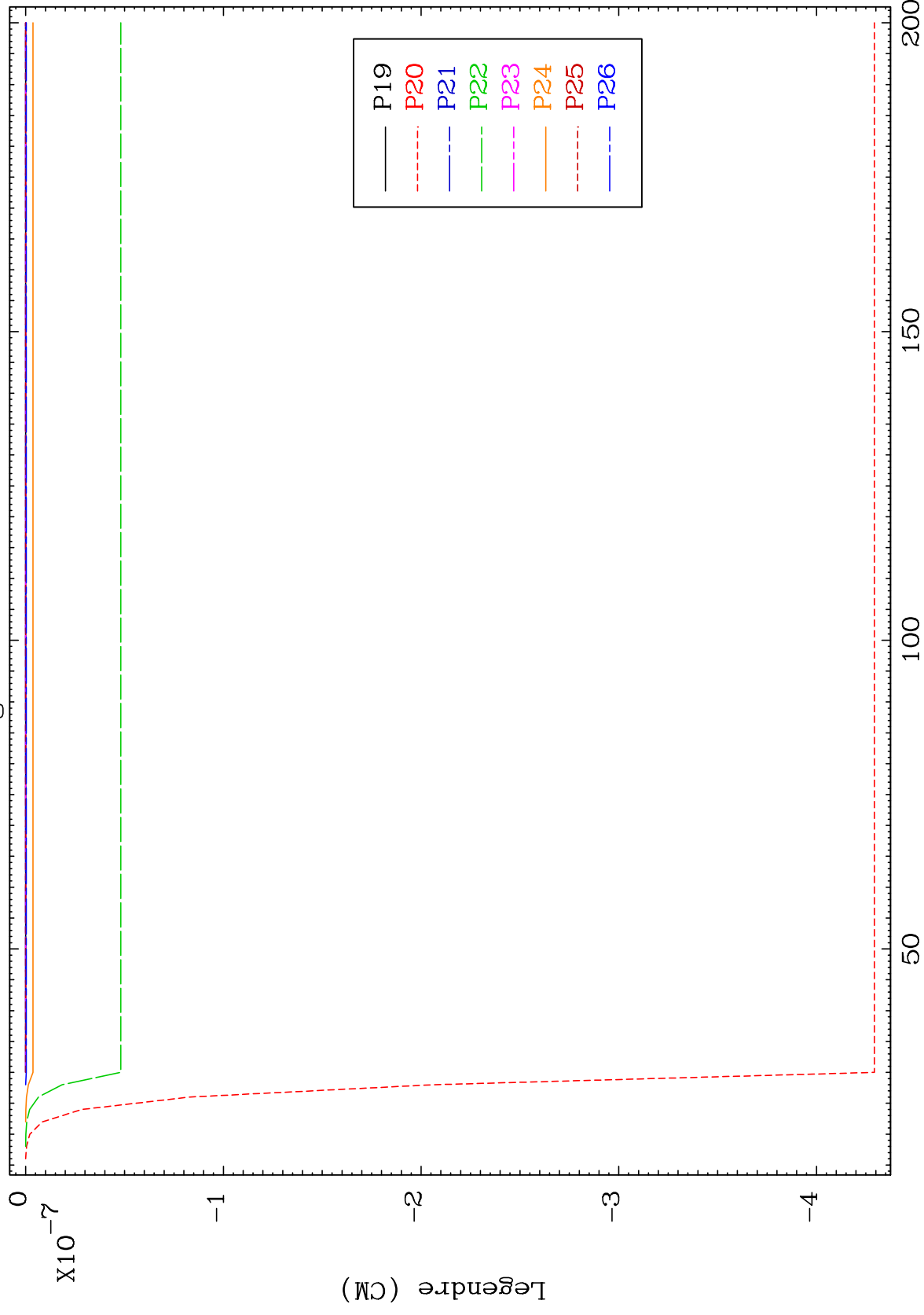
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

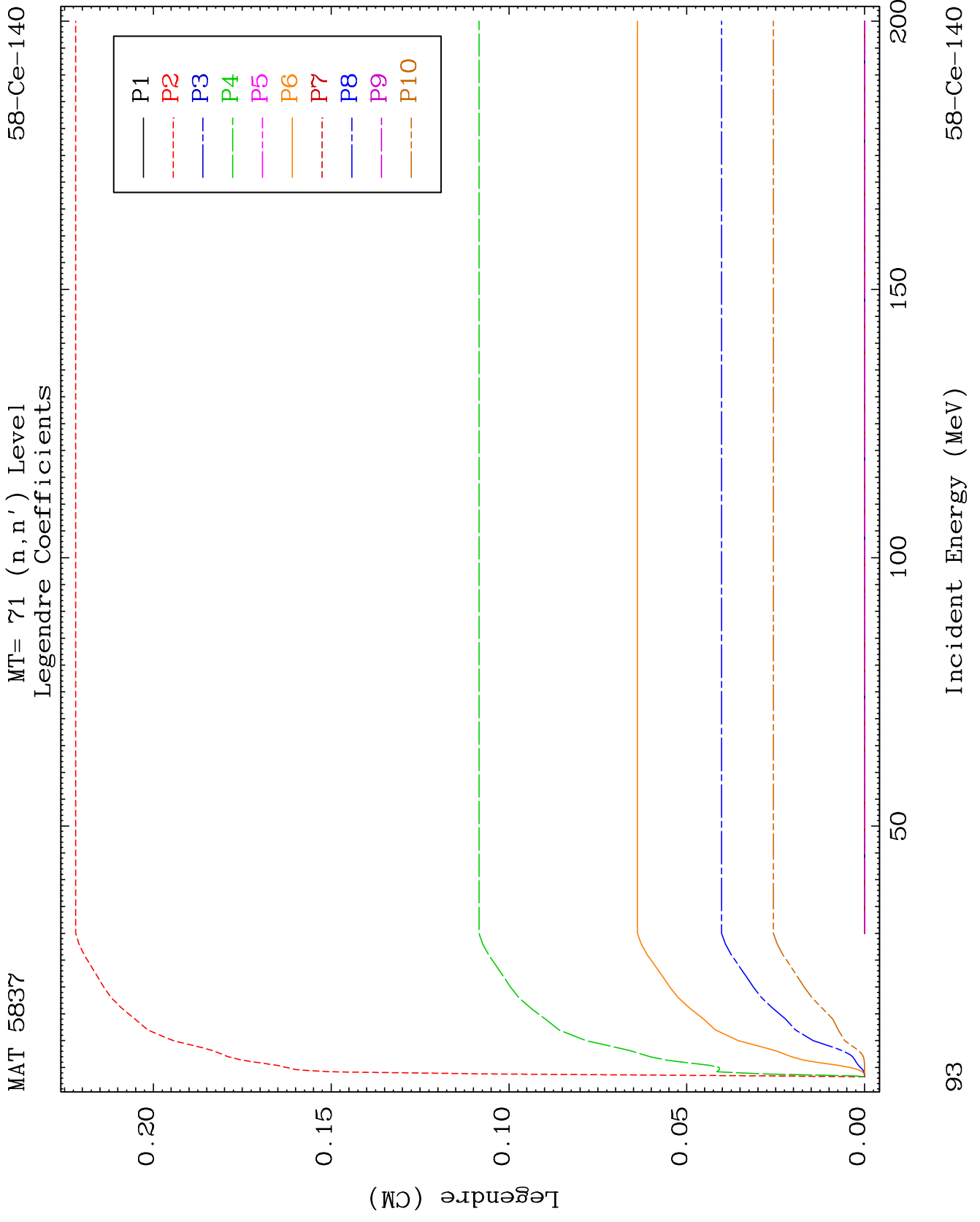
58-Ce-140



92

Incident Energy (MeV)

58-Ce-140

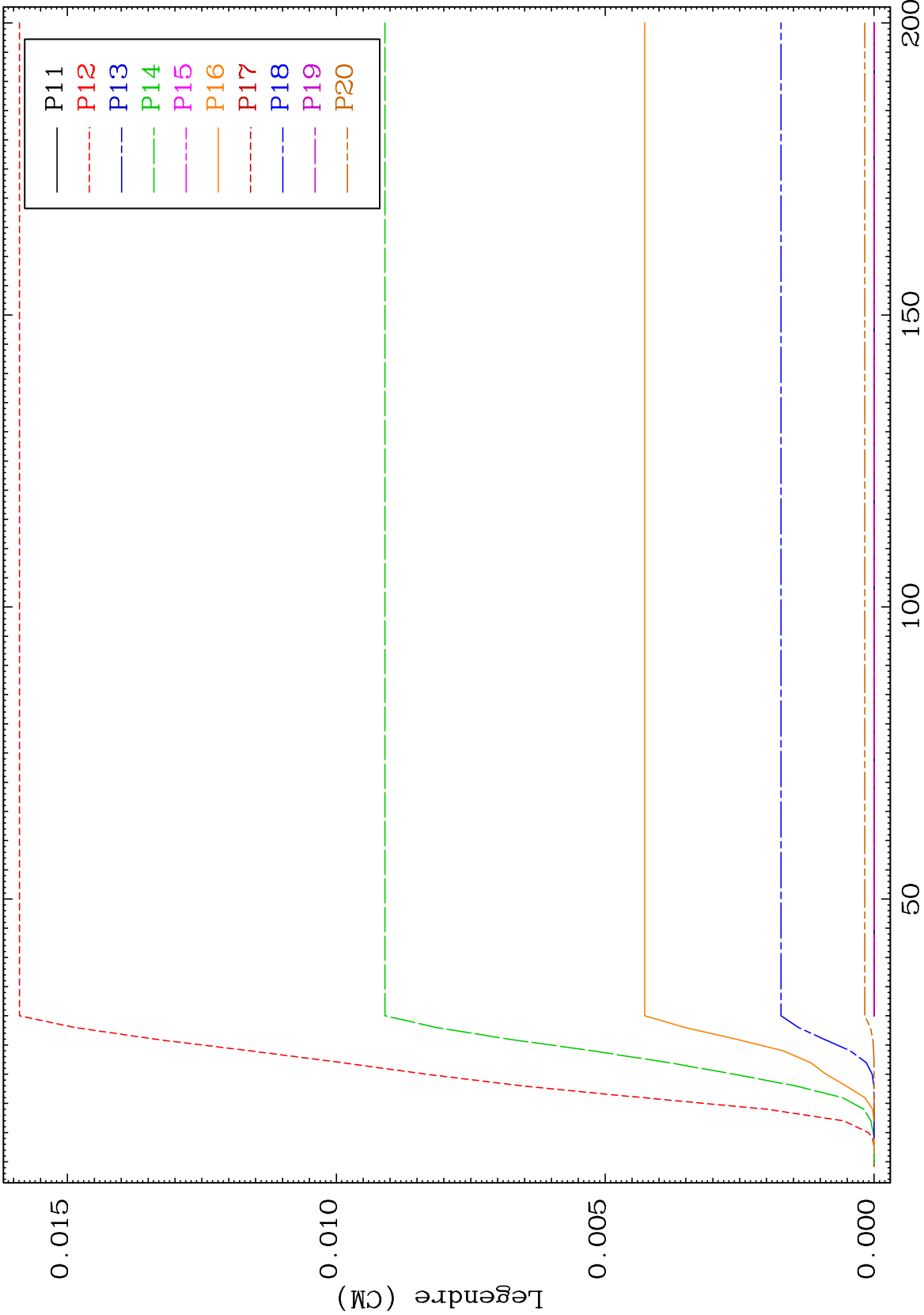


MAT 5837

MT= 71 (n,n') Level

58-Ce-140

Legendre Coefficients



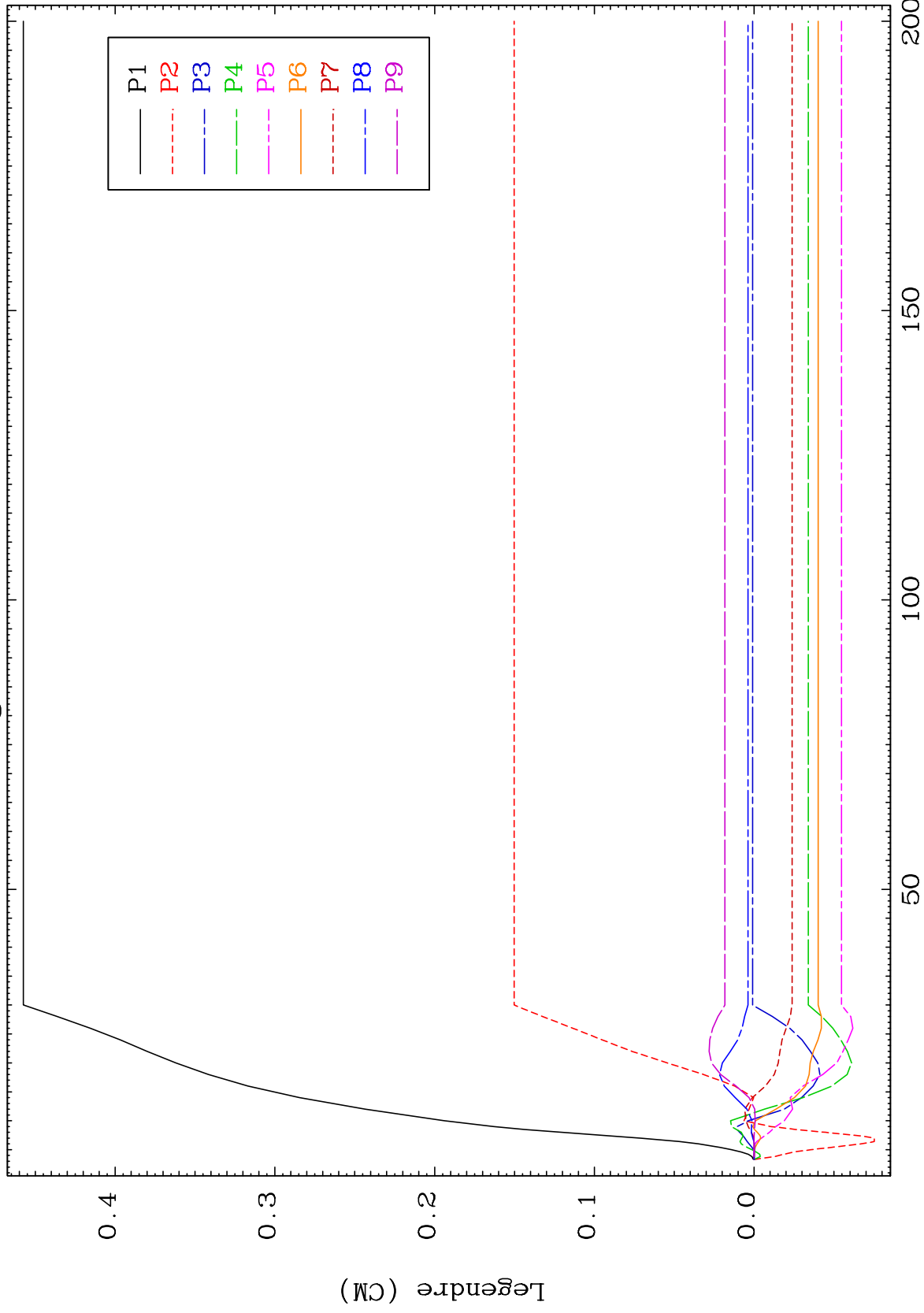
94

58-Ce-140

MAT 5837

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

58-Ce-140



96

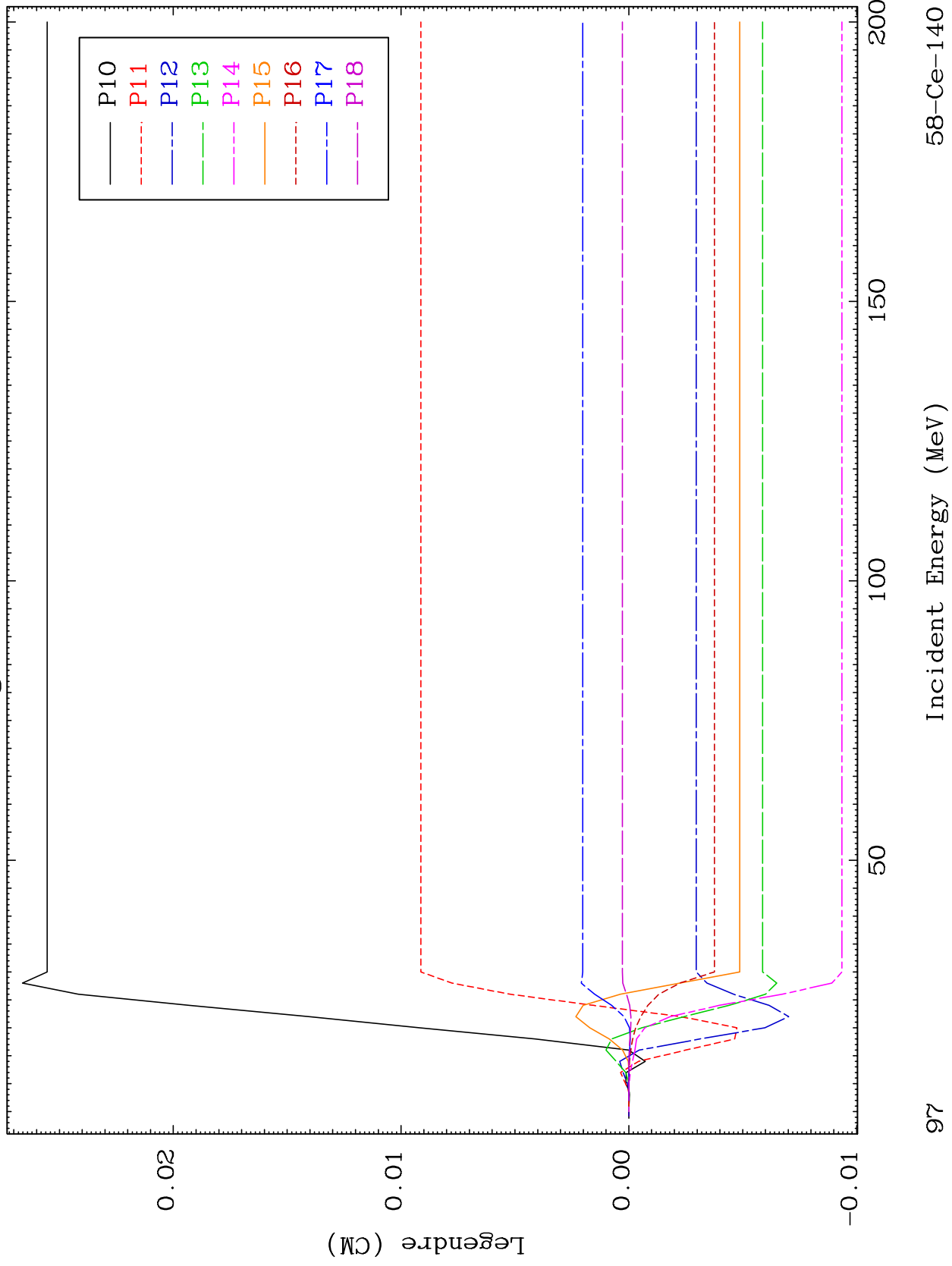
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

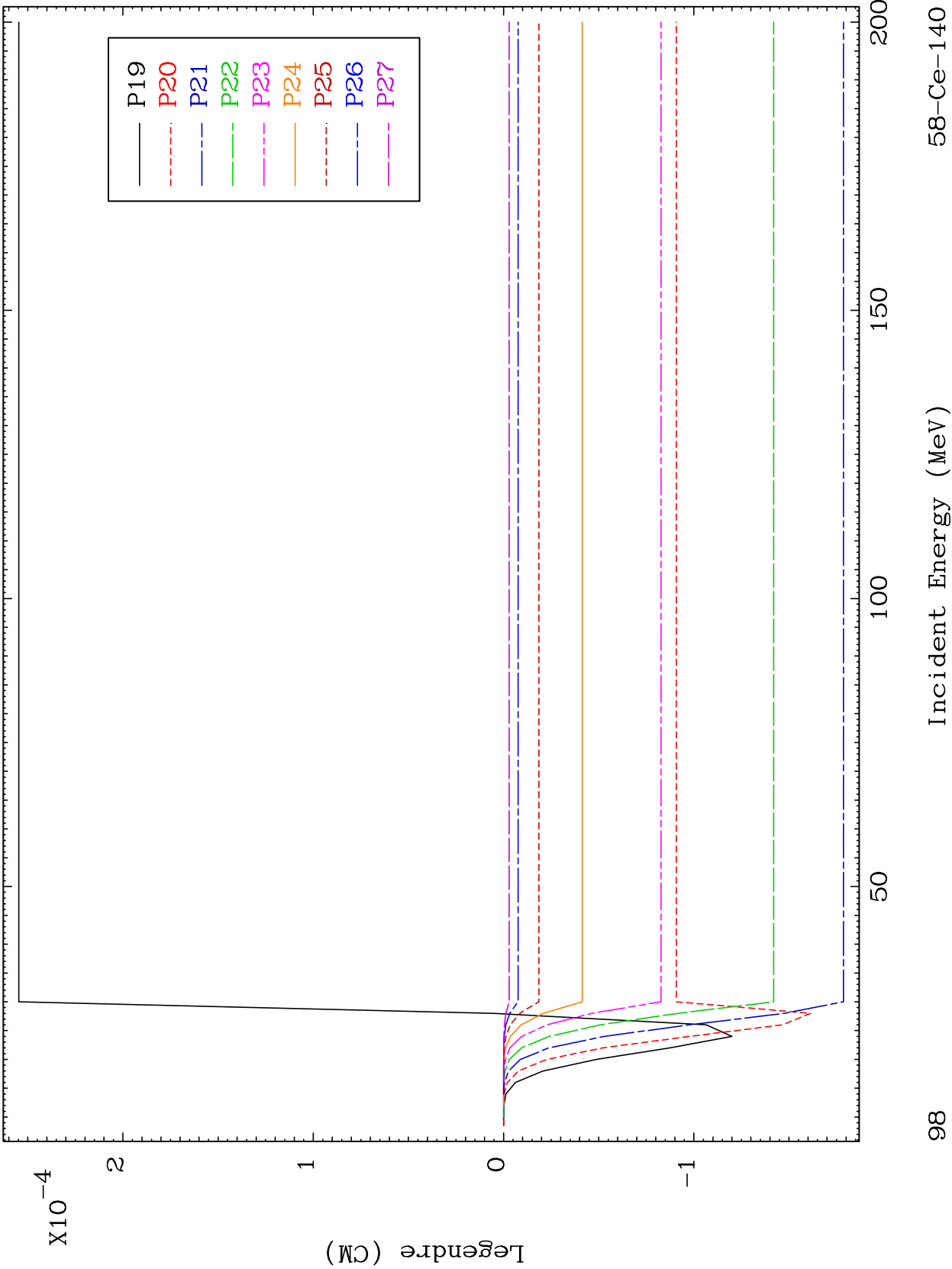
58-Ce-140



MAT 5837

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

58-Ce-140



98

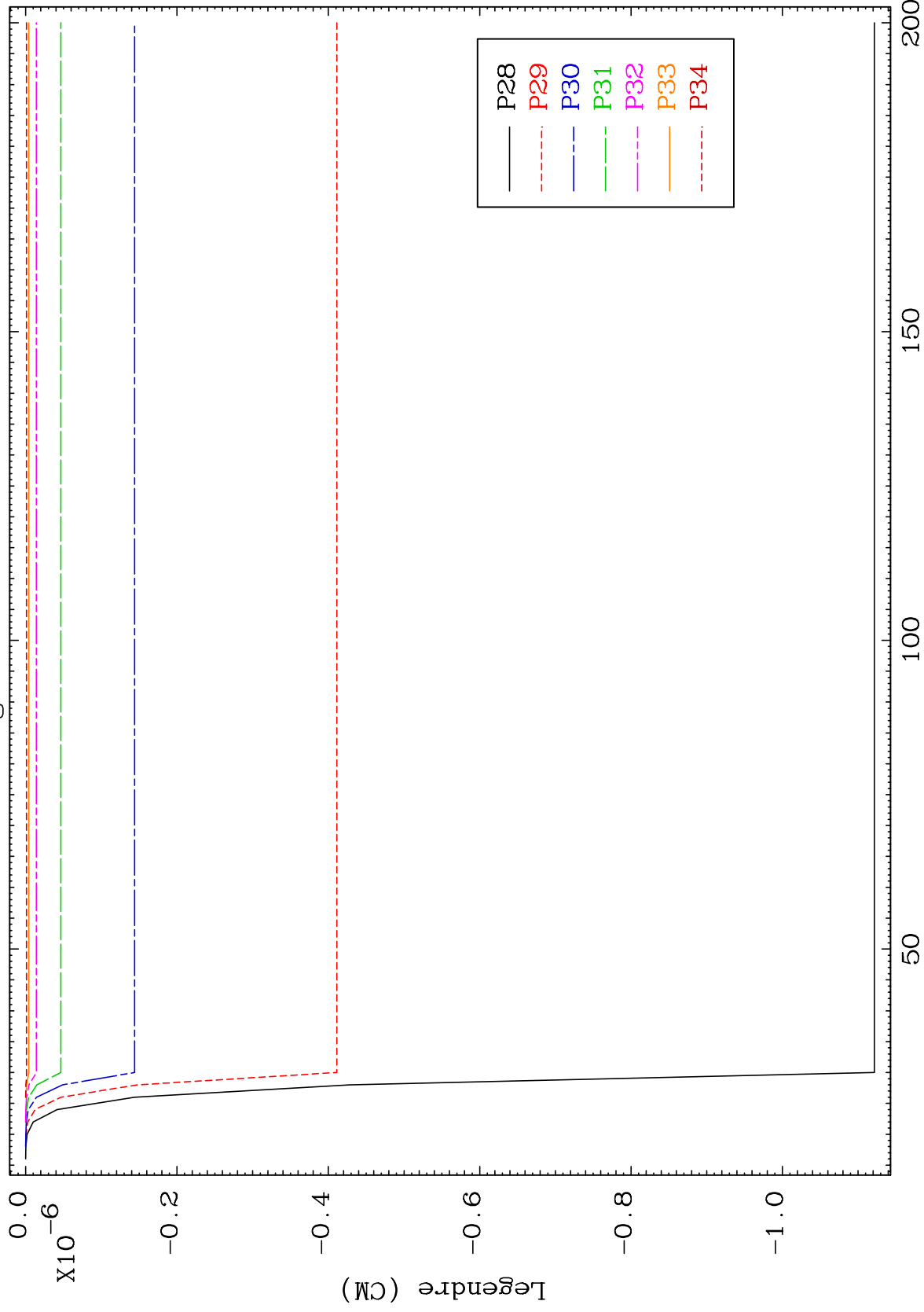
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

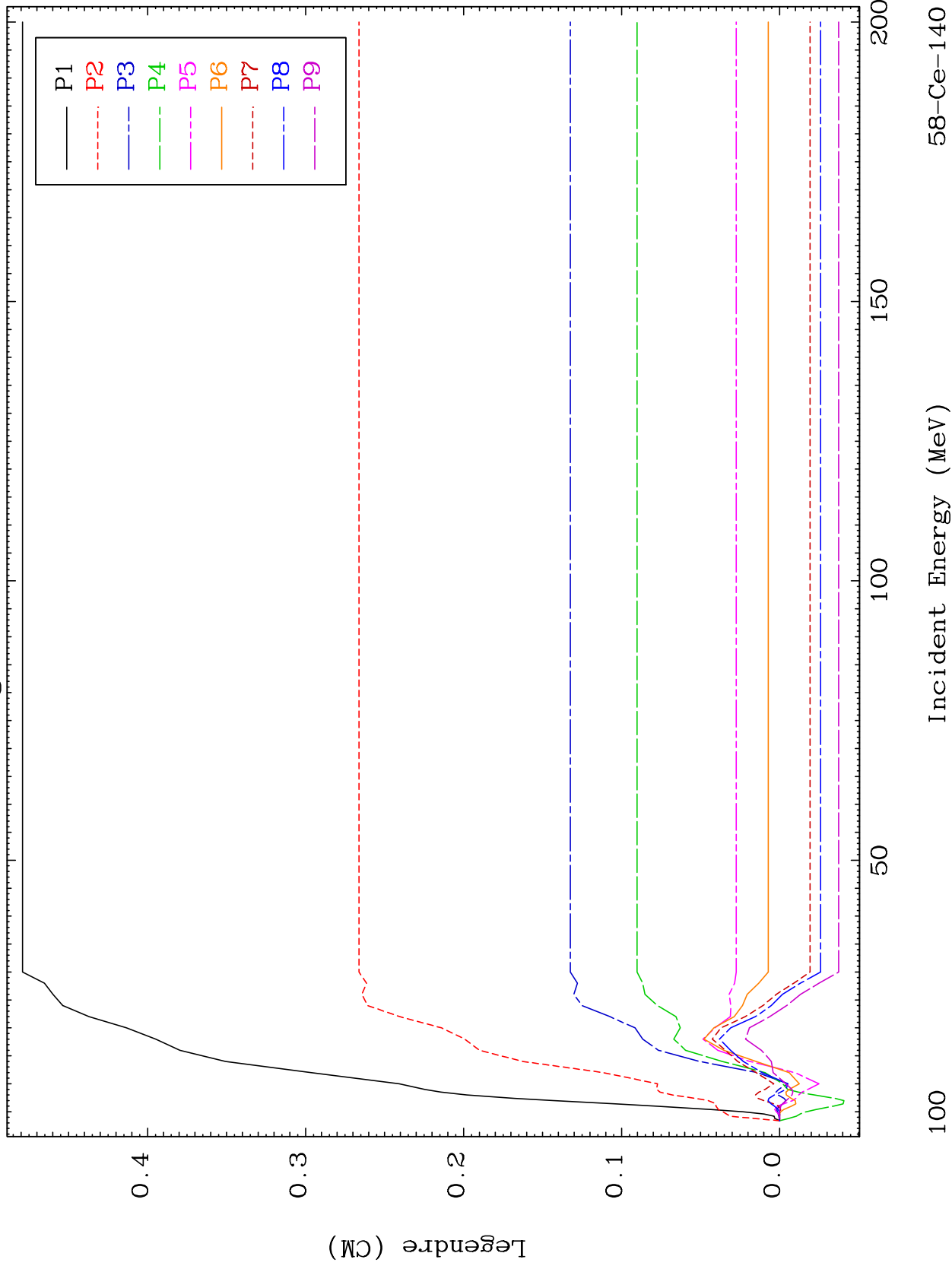
58-Ce-140



MAT 5837

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

58-Ce-140

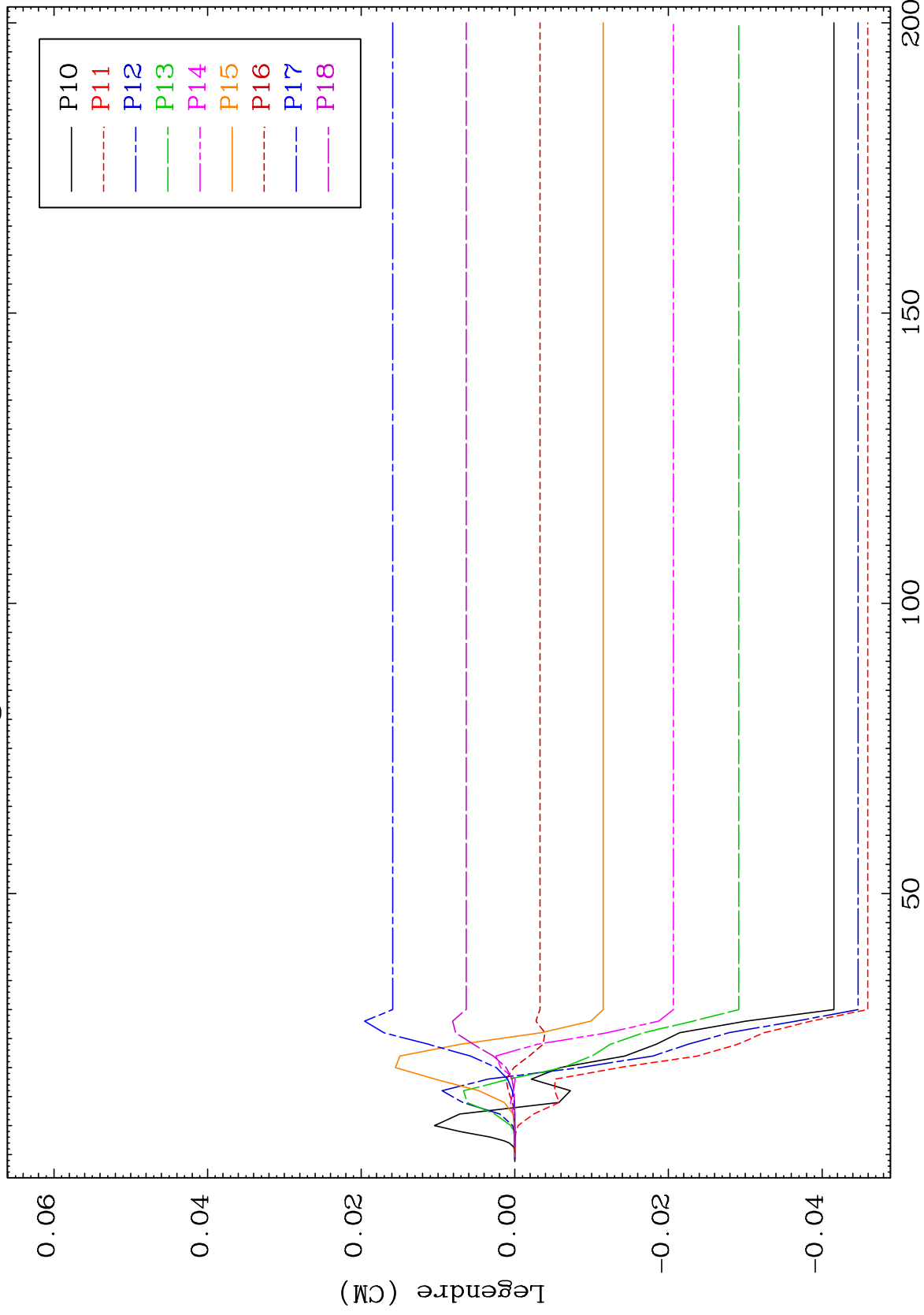


58-Ce-140

MAT 5837

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

58-Ce-140



101

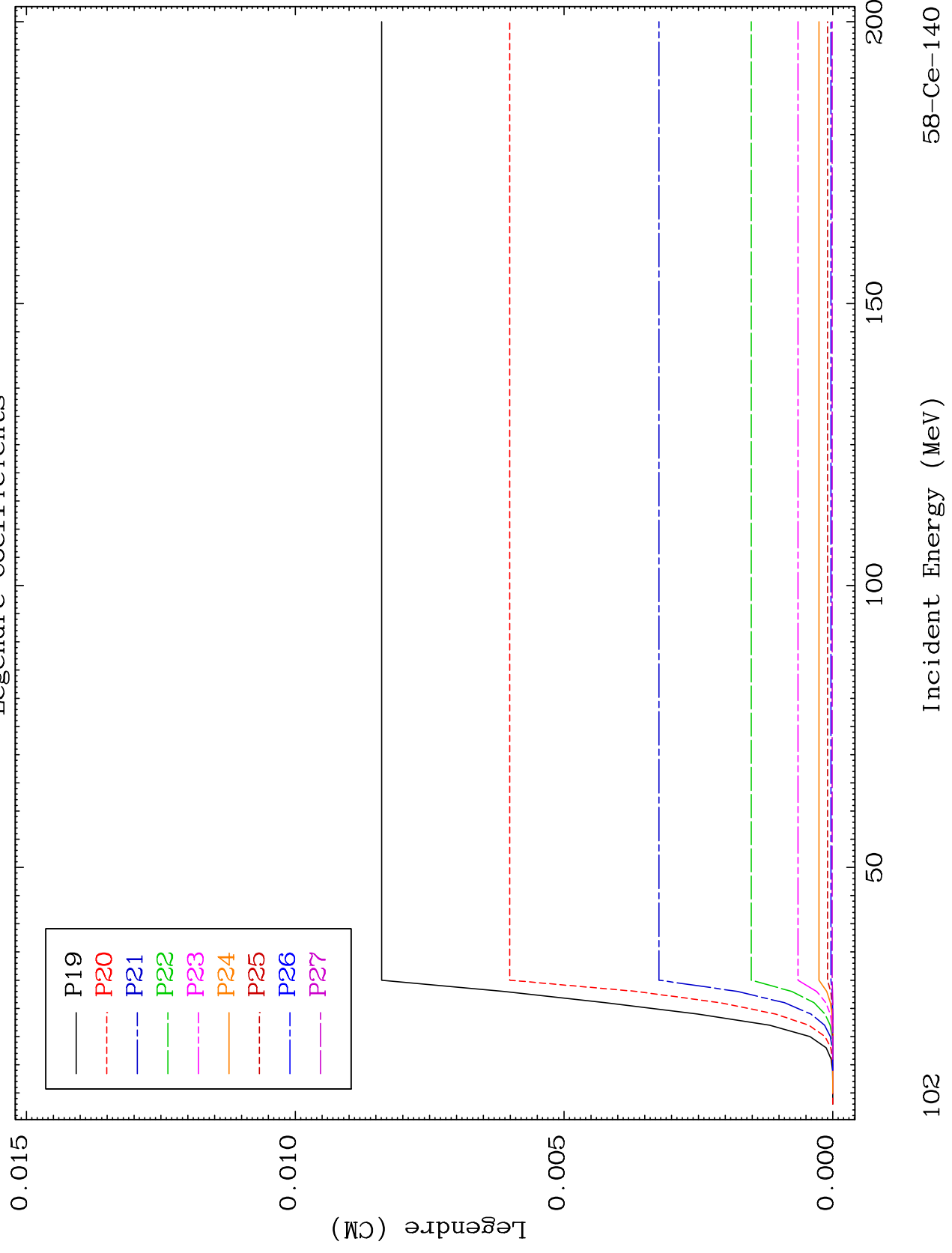
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



102

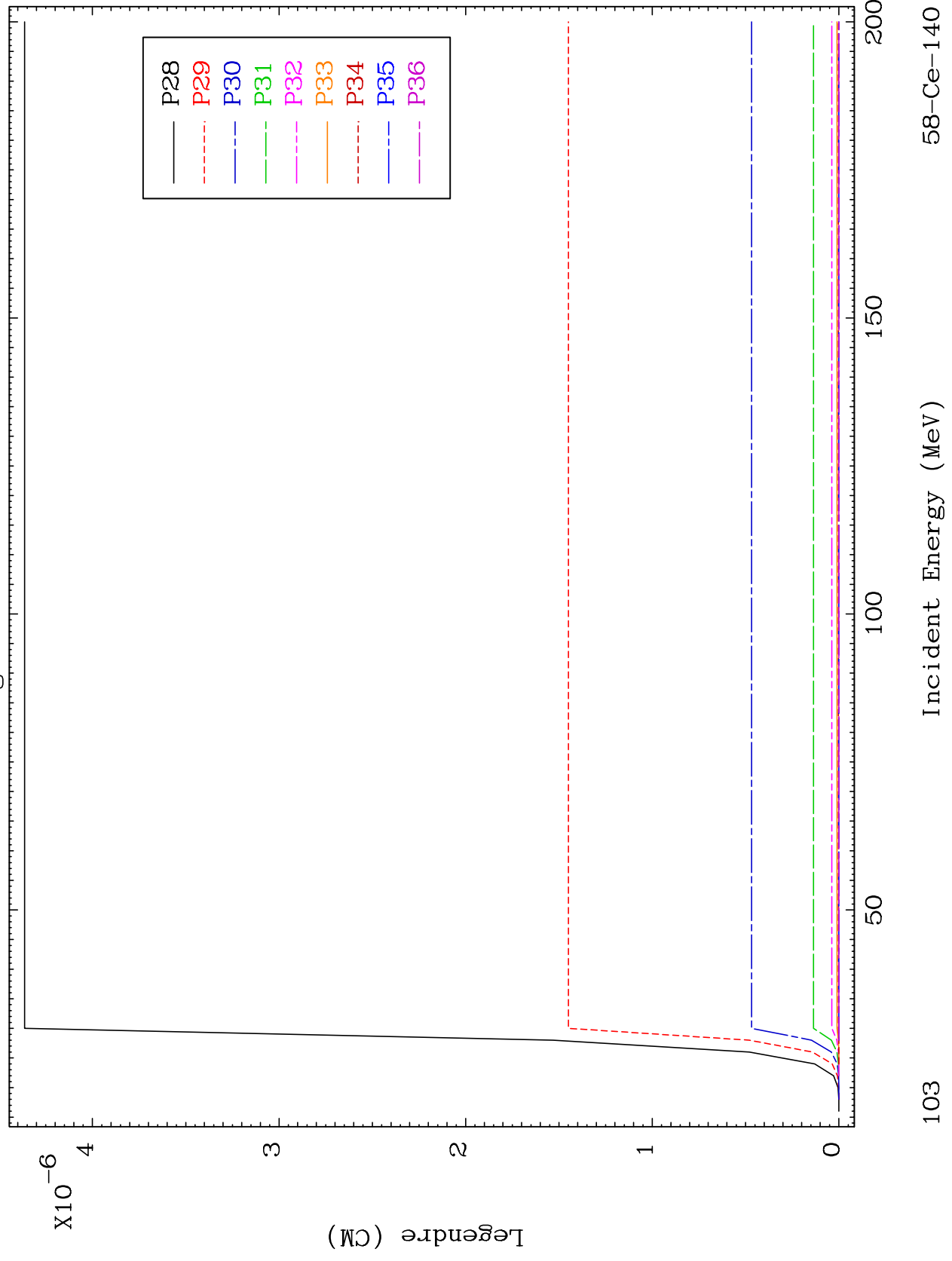
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



103

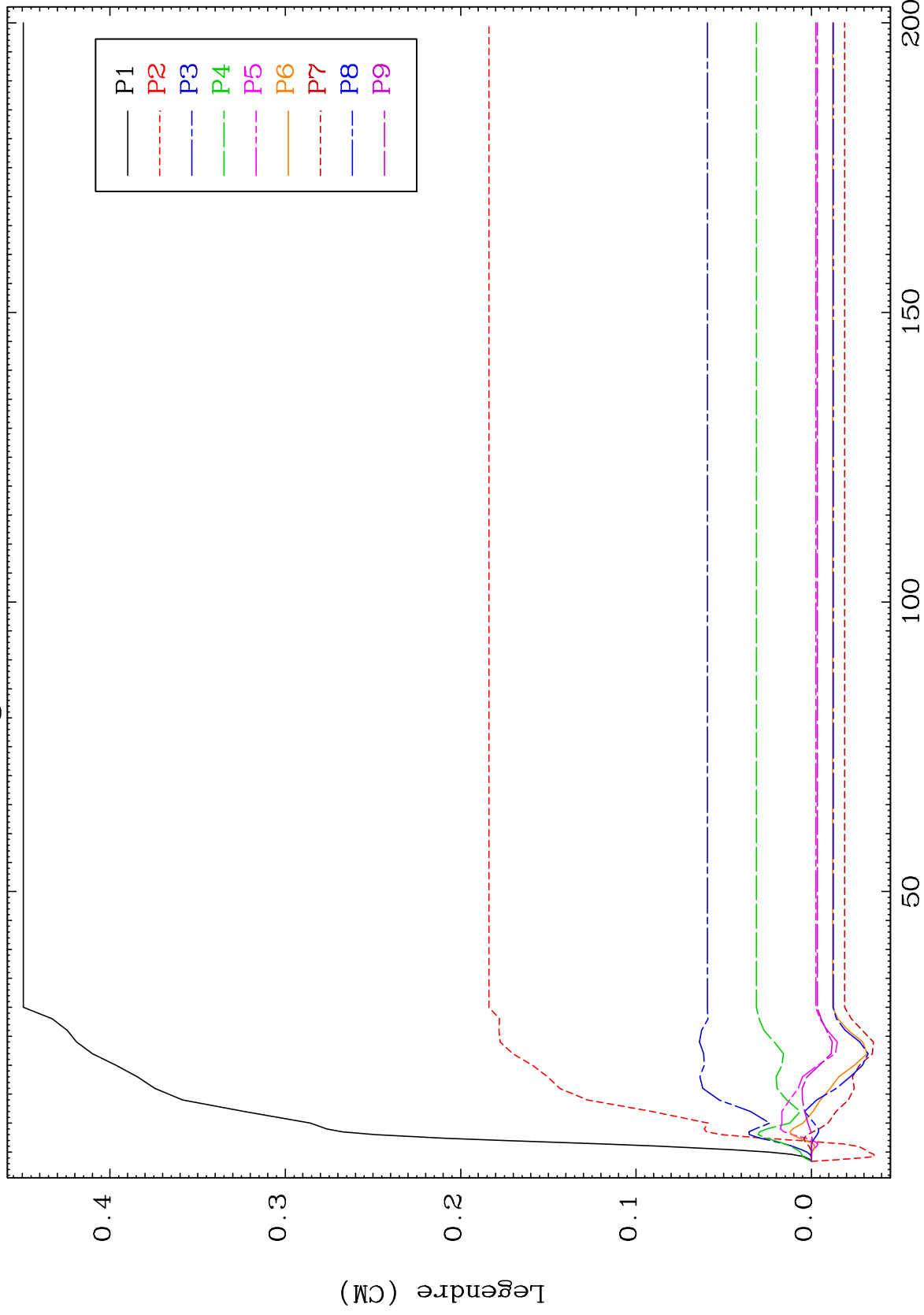
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



104

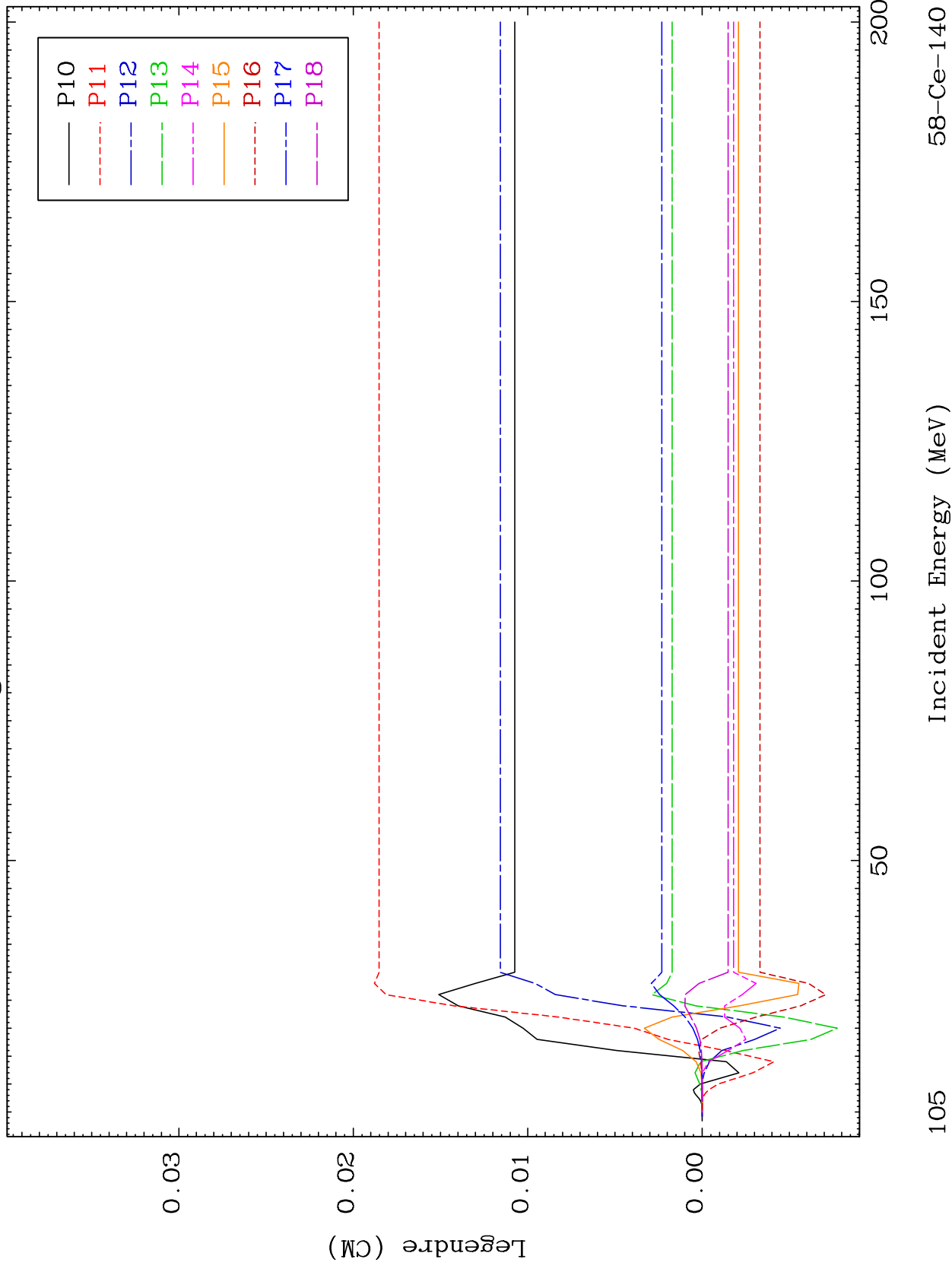
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

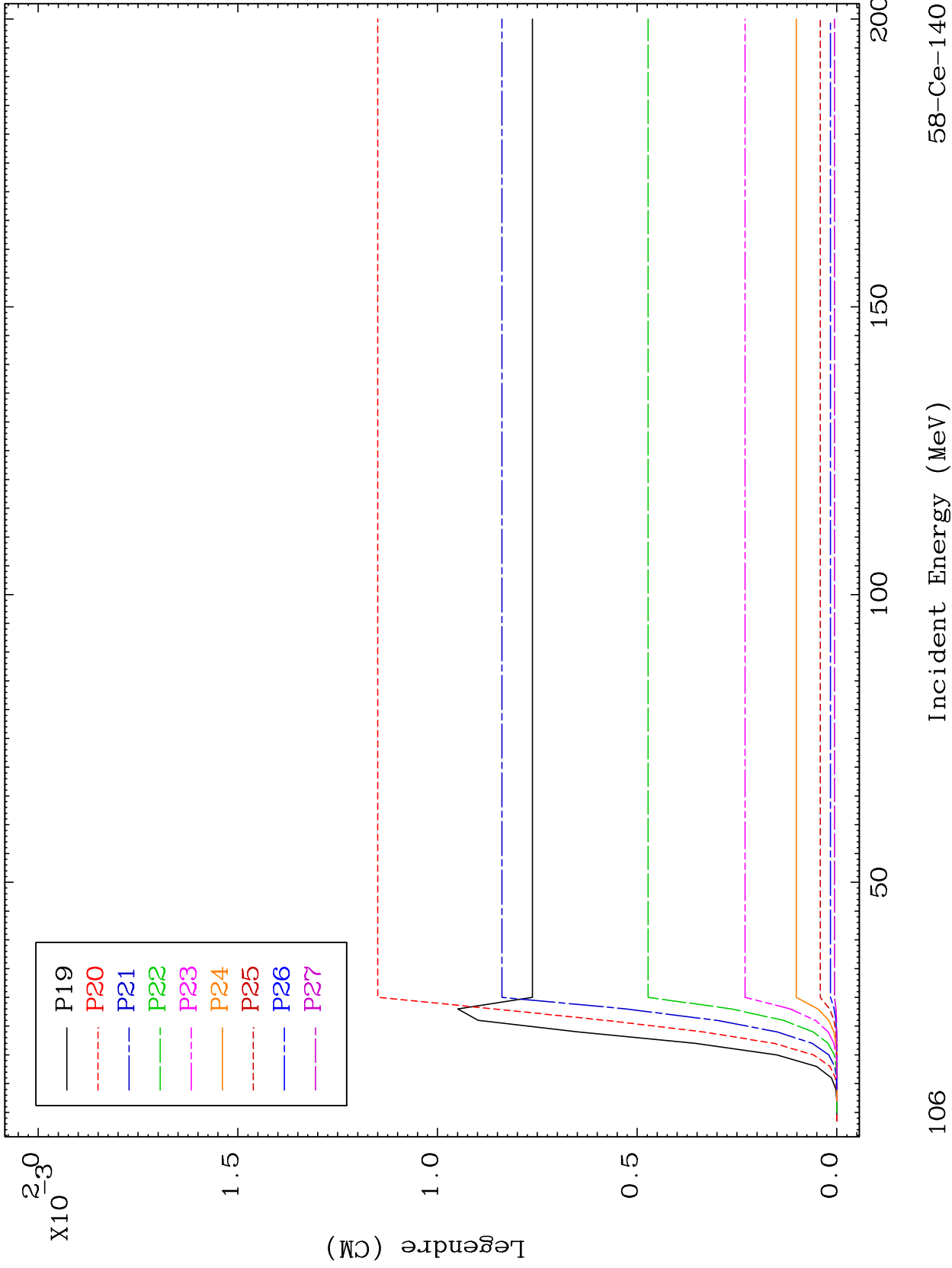
Incident Energy (MeV)

105

MAT 5837

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

58-Ce-140

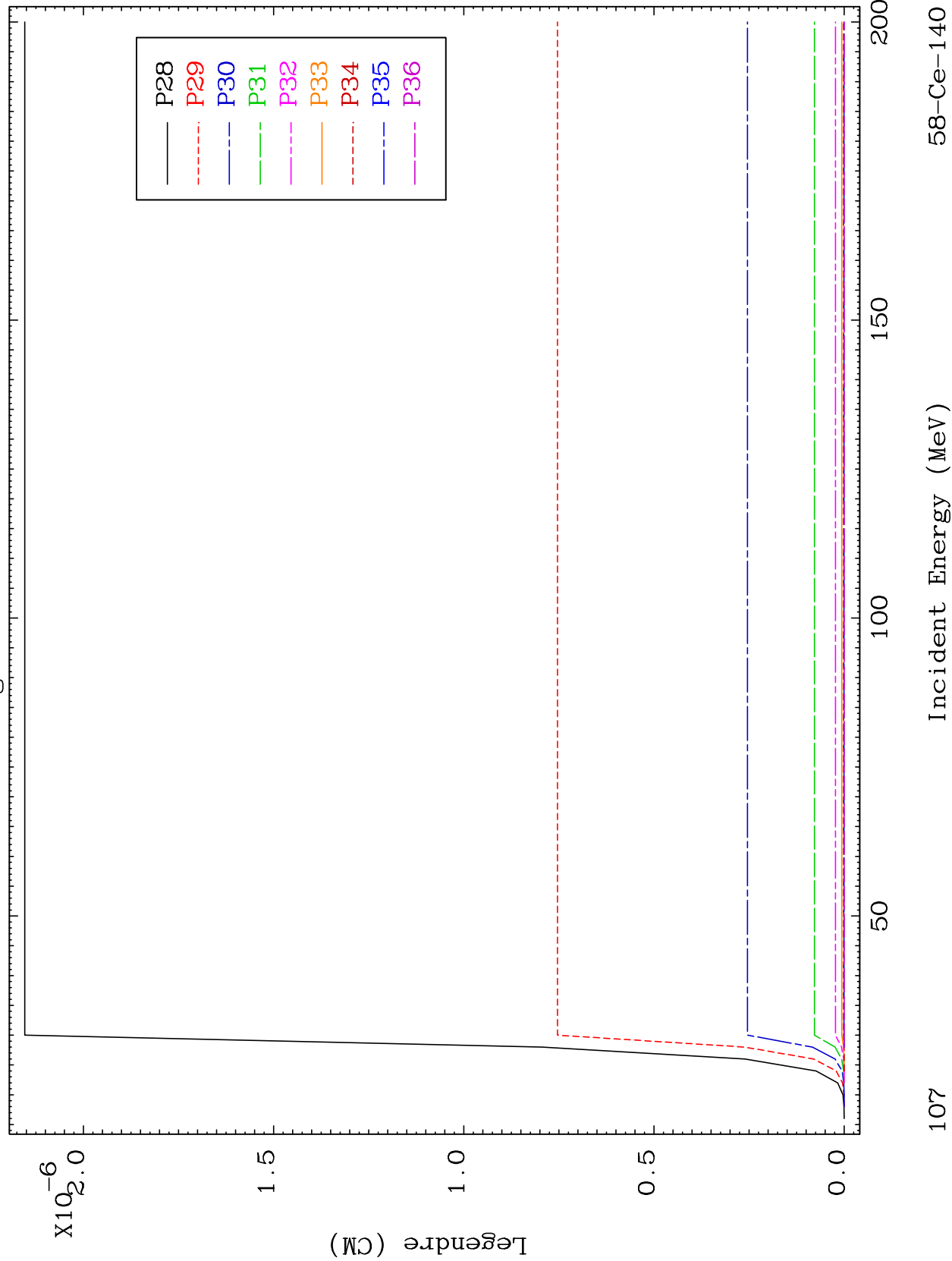


106

MAT 5837

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

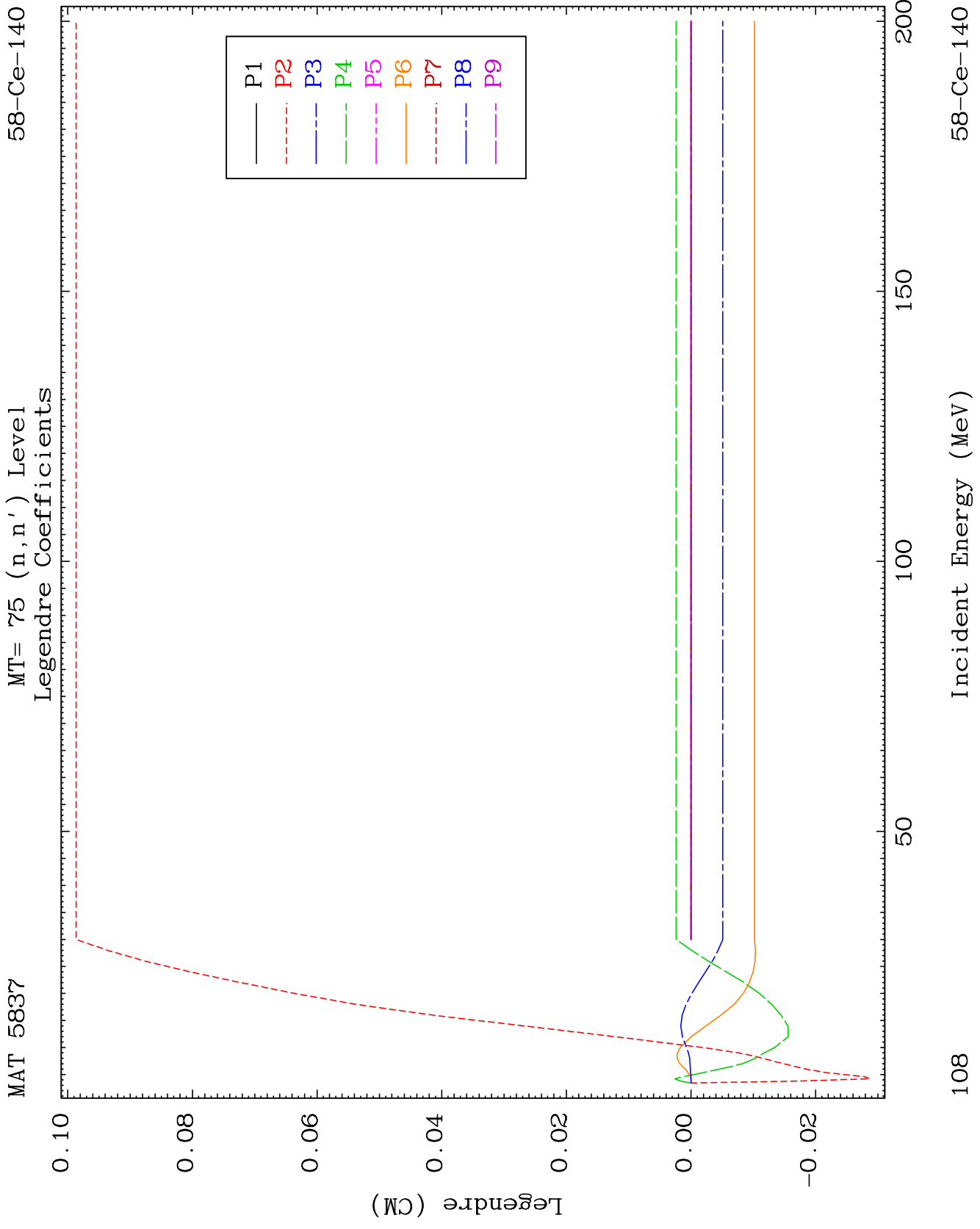
58-Ce-140



107

Incident Energy (MeV)

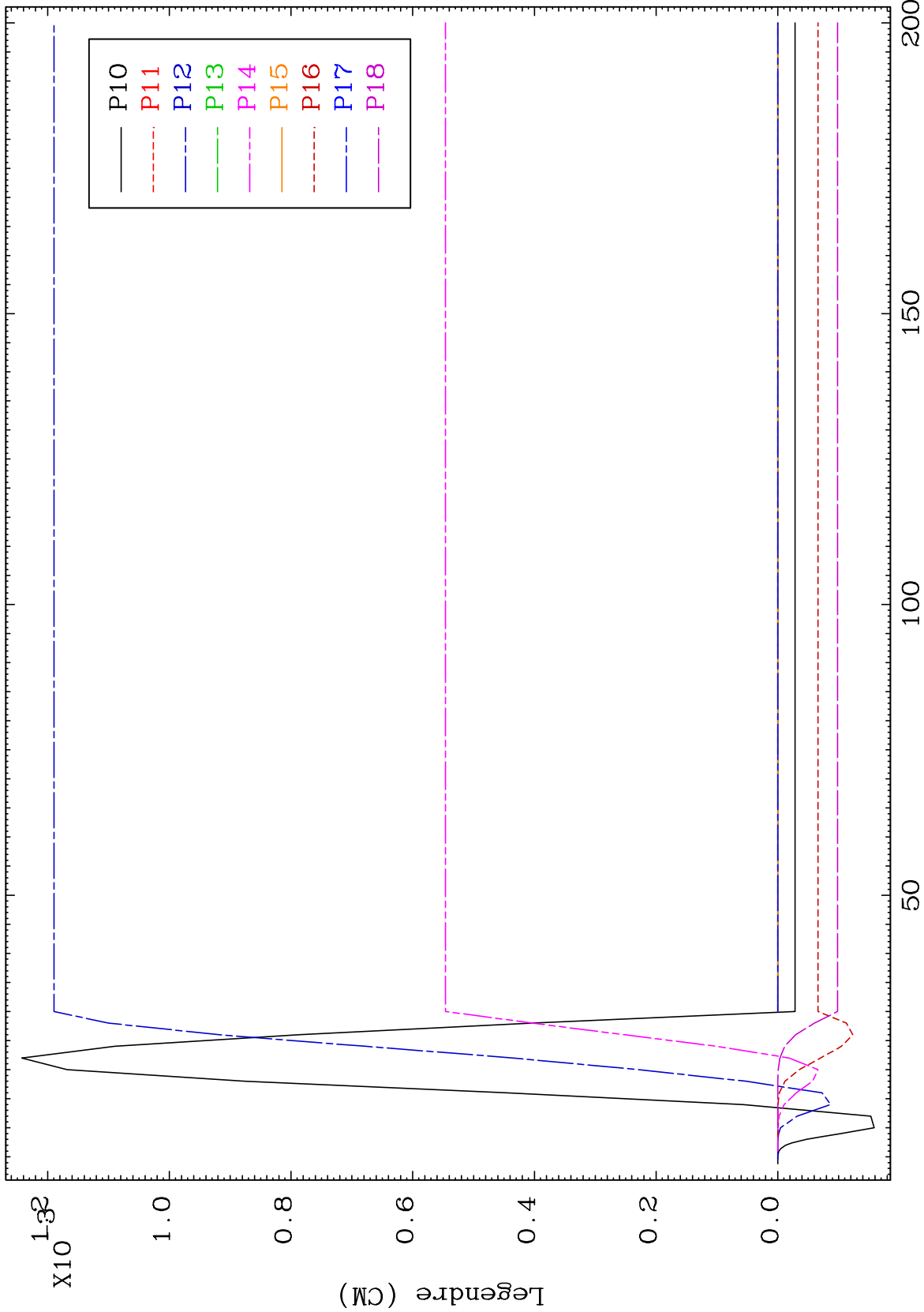
58-Ce-140



MAT 5837

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

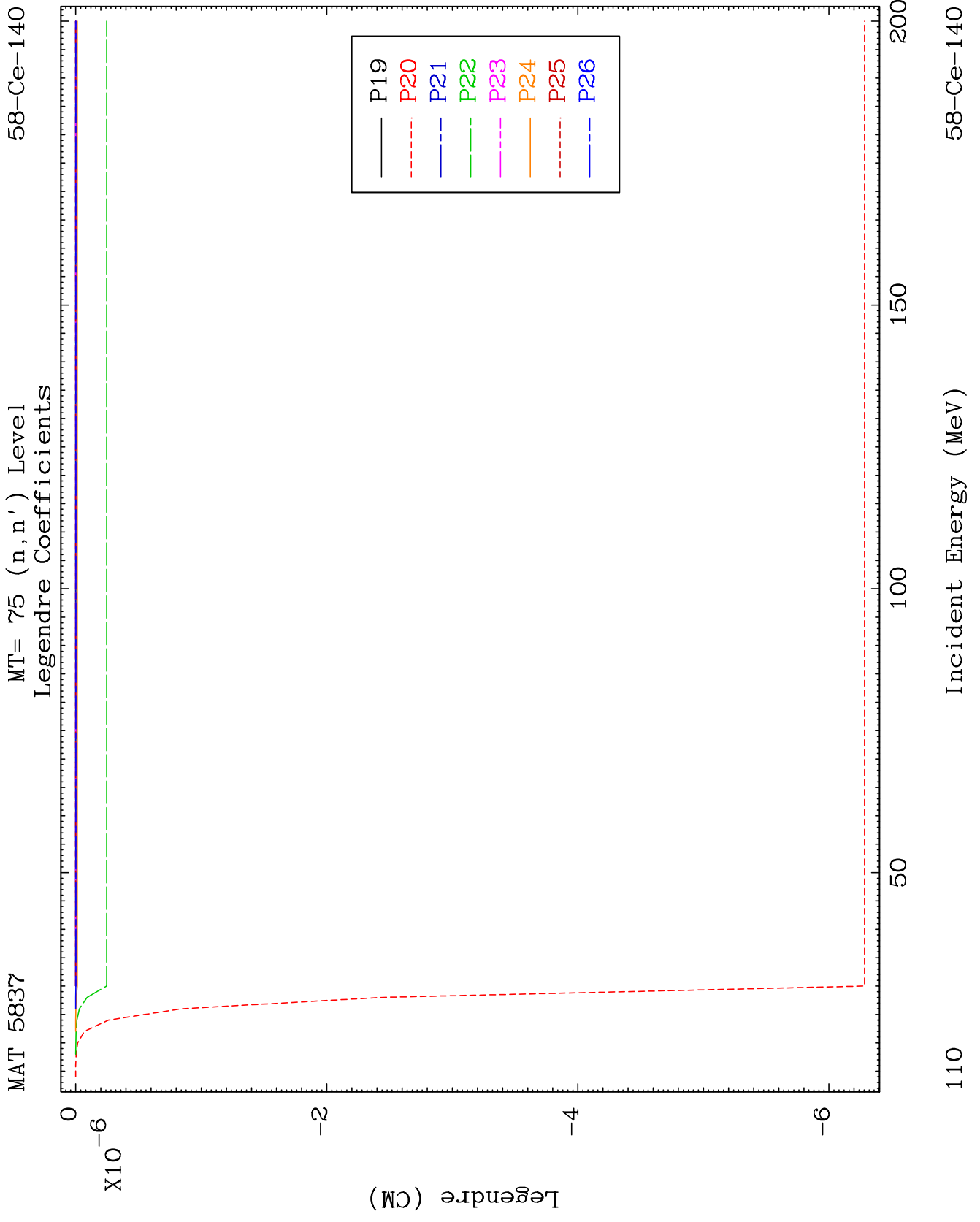
58-Ce-140

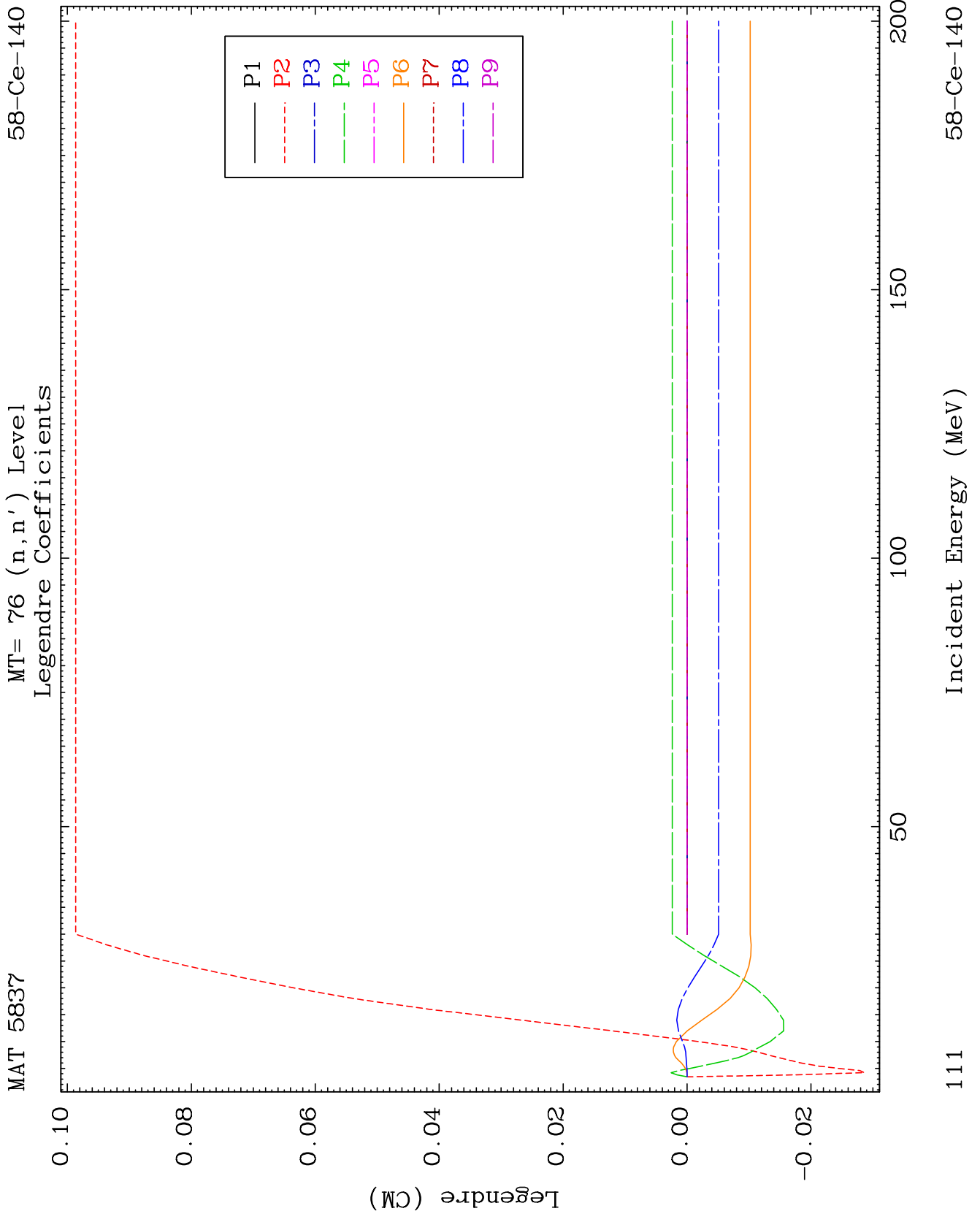


109

Incident Energy (MeV)

58-Ce-140

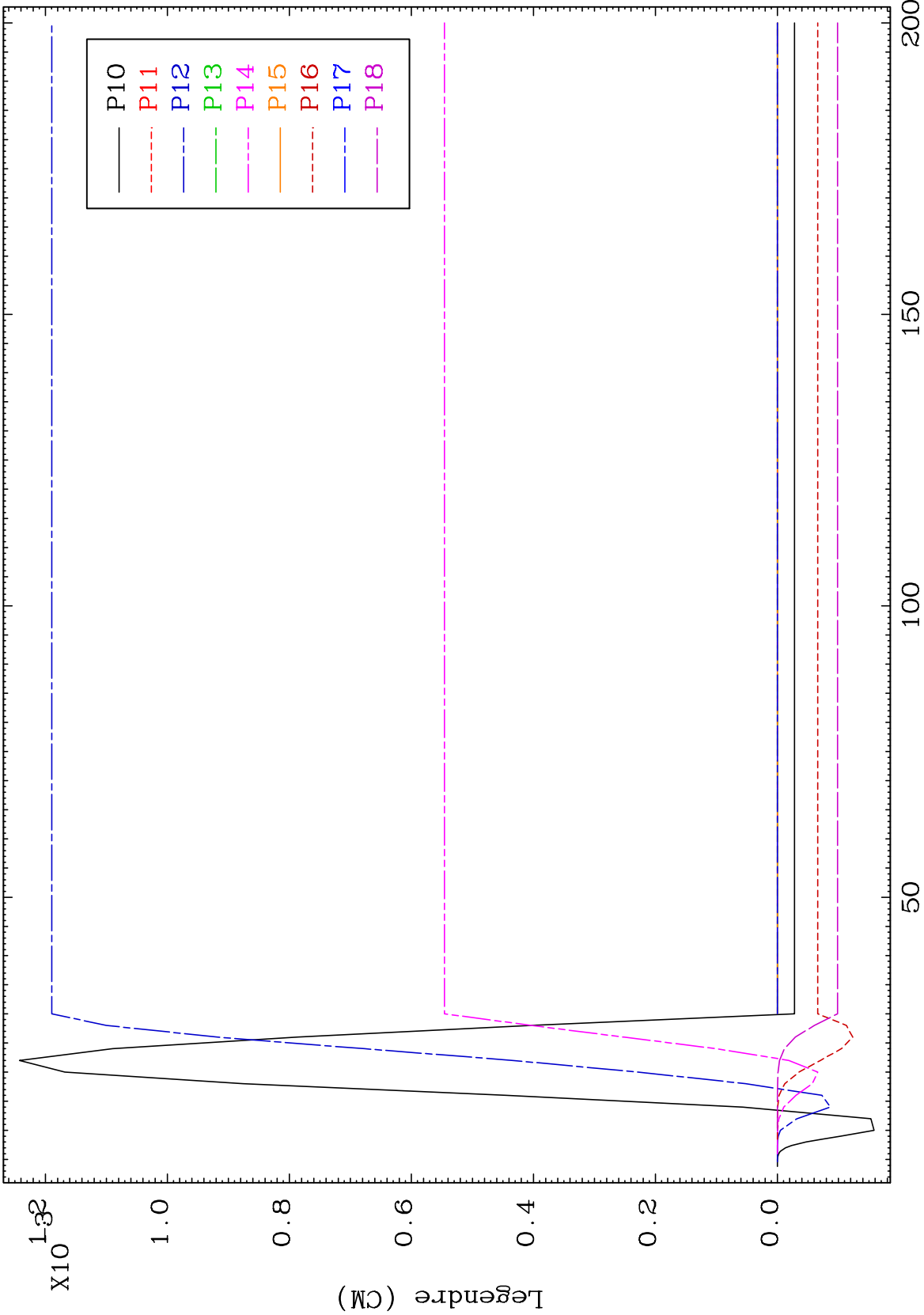




MAT 5837

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

58-Ce-140



112

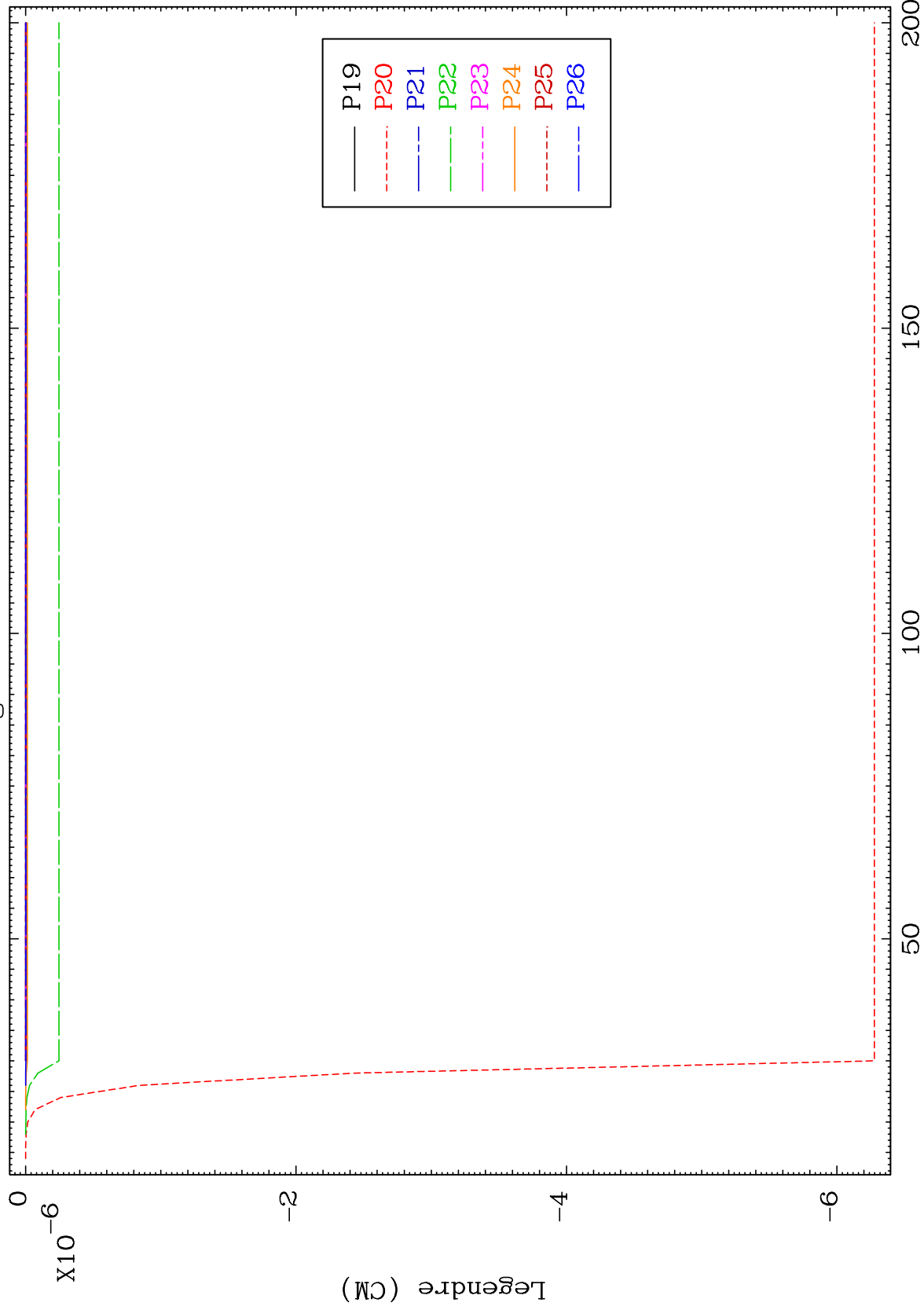
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



113

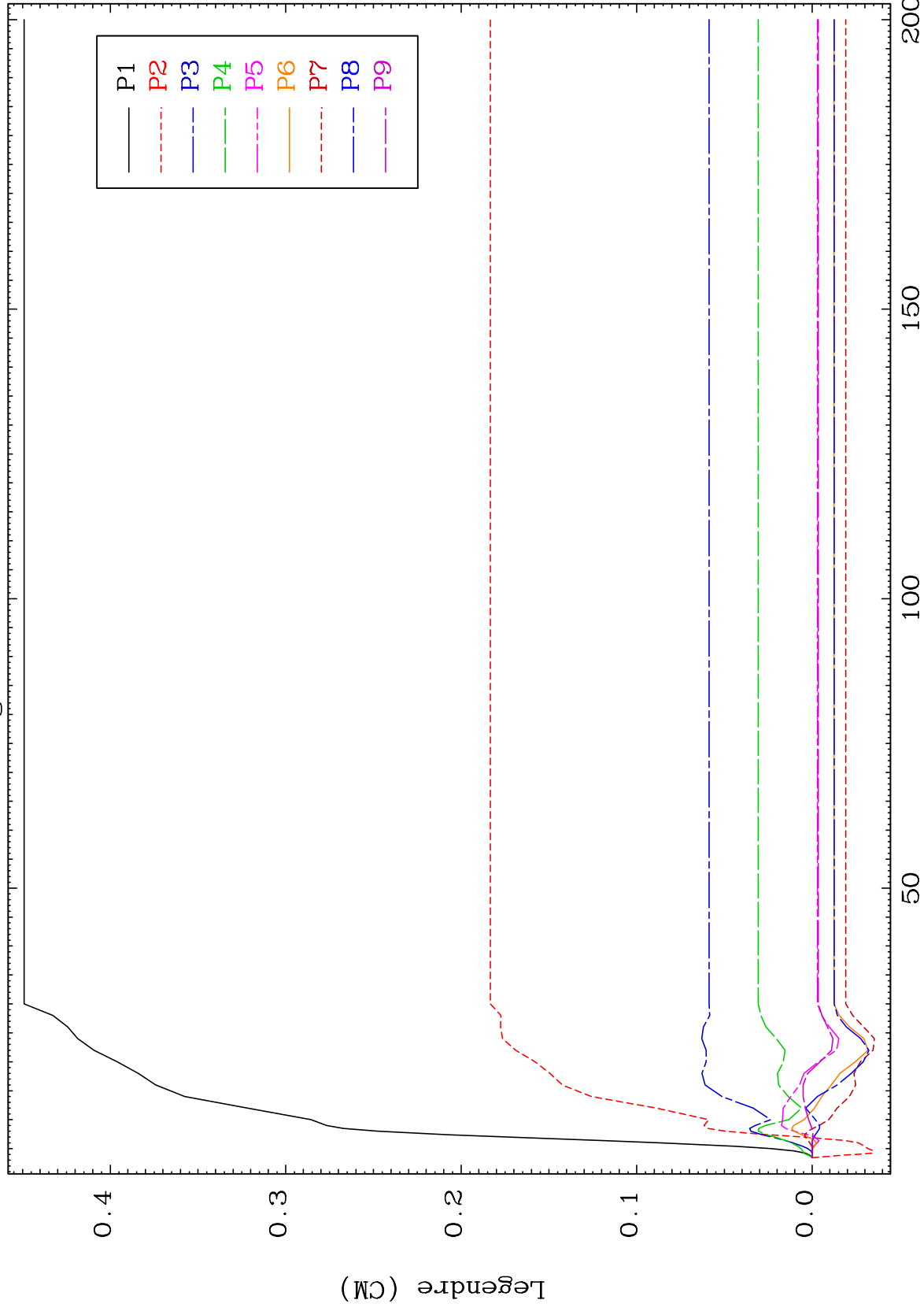
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



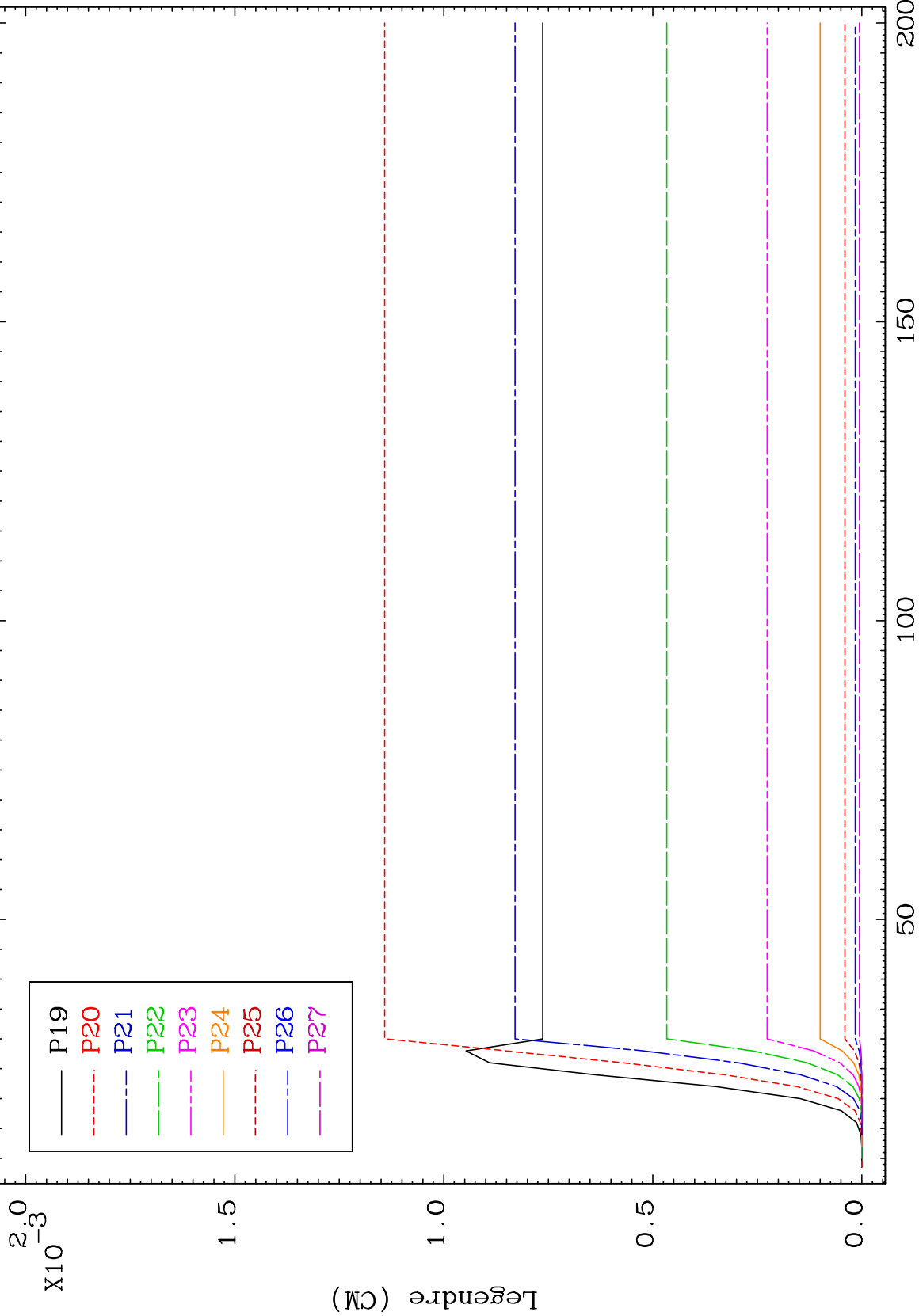
114

58-Ce-140

MAT 5837

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

58-Ce-140



116

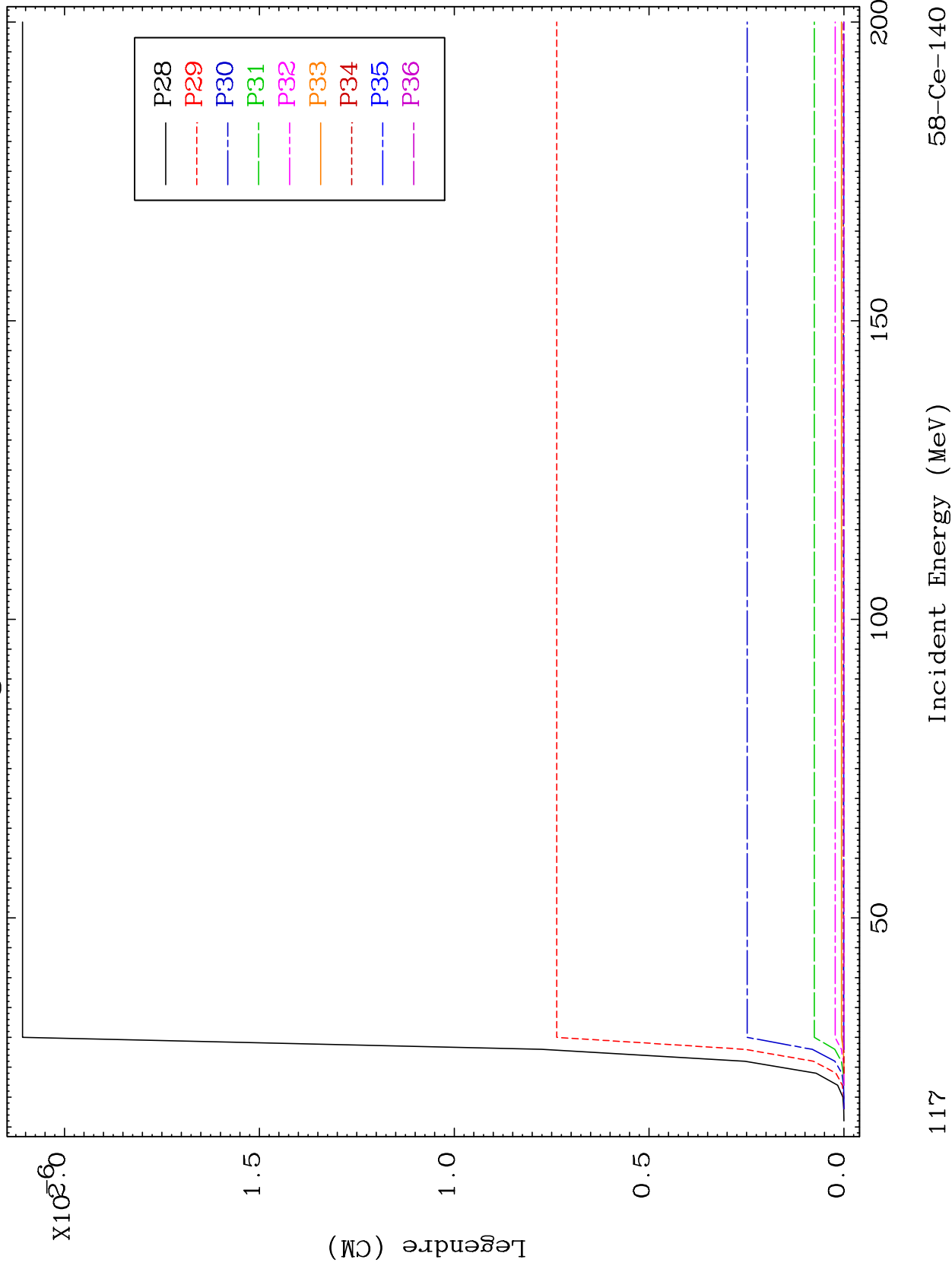
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



117

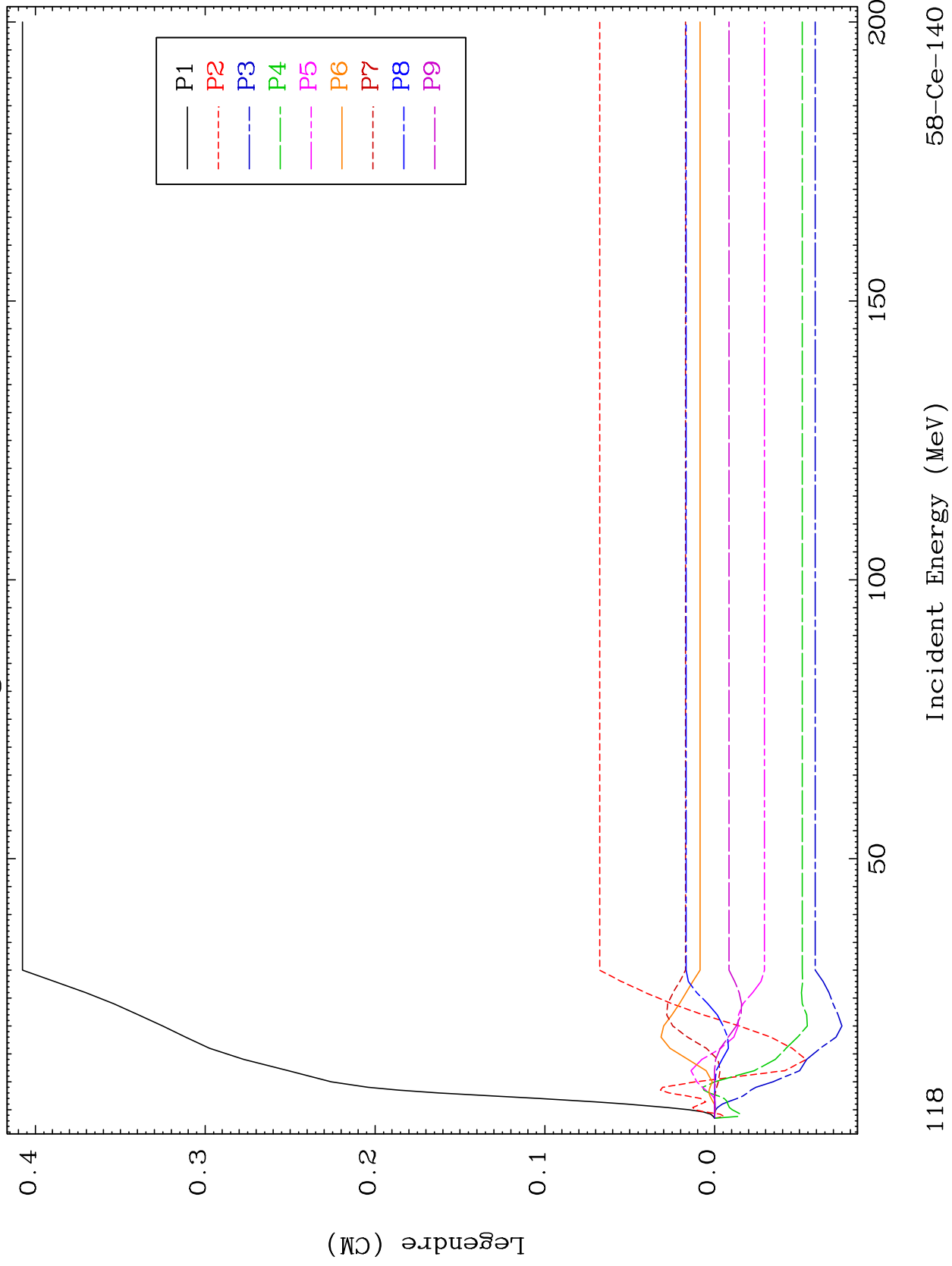
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



118

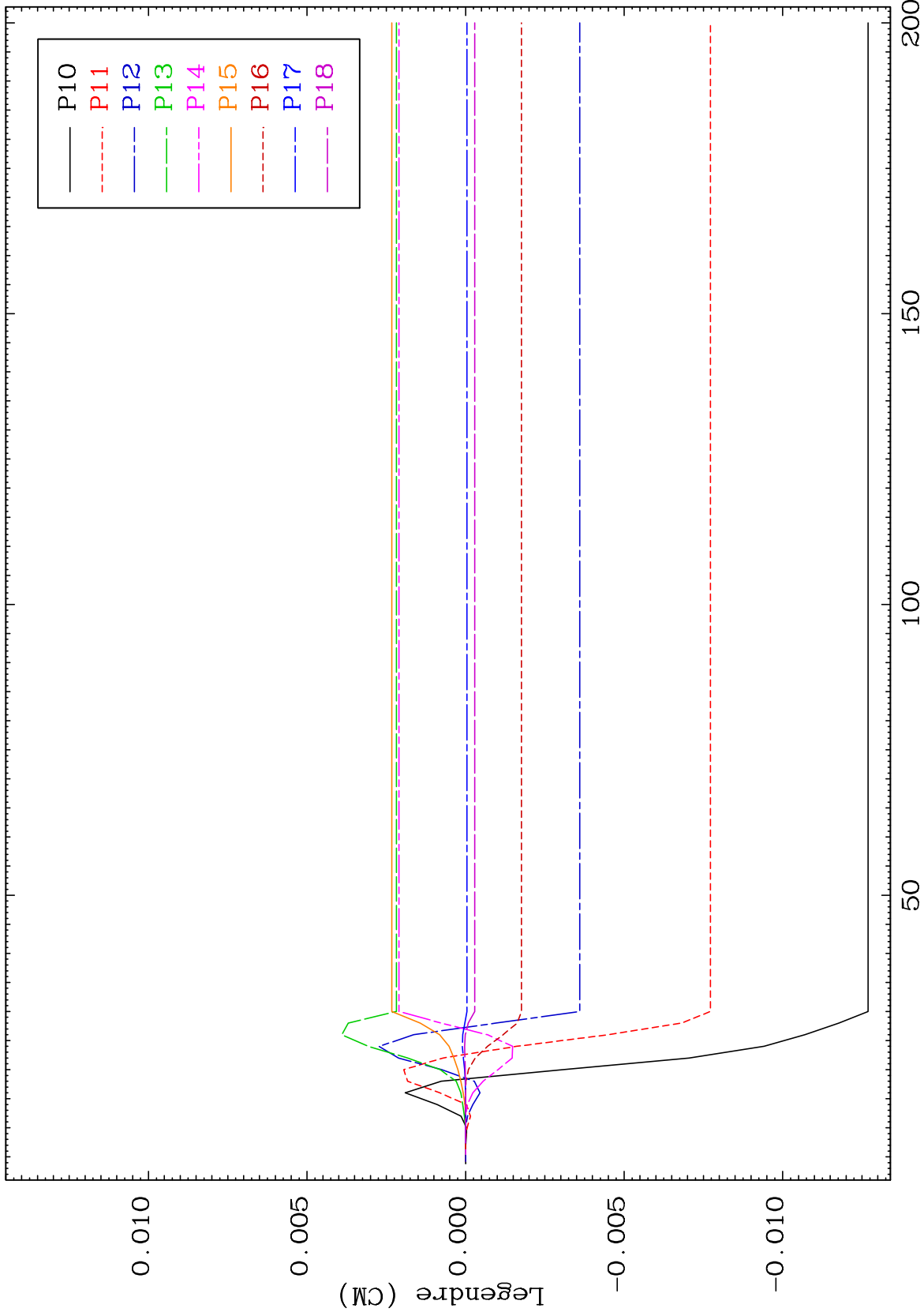
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



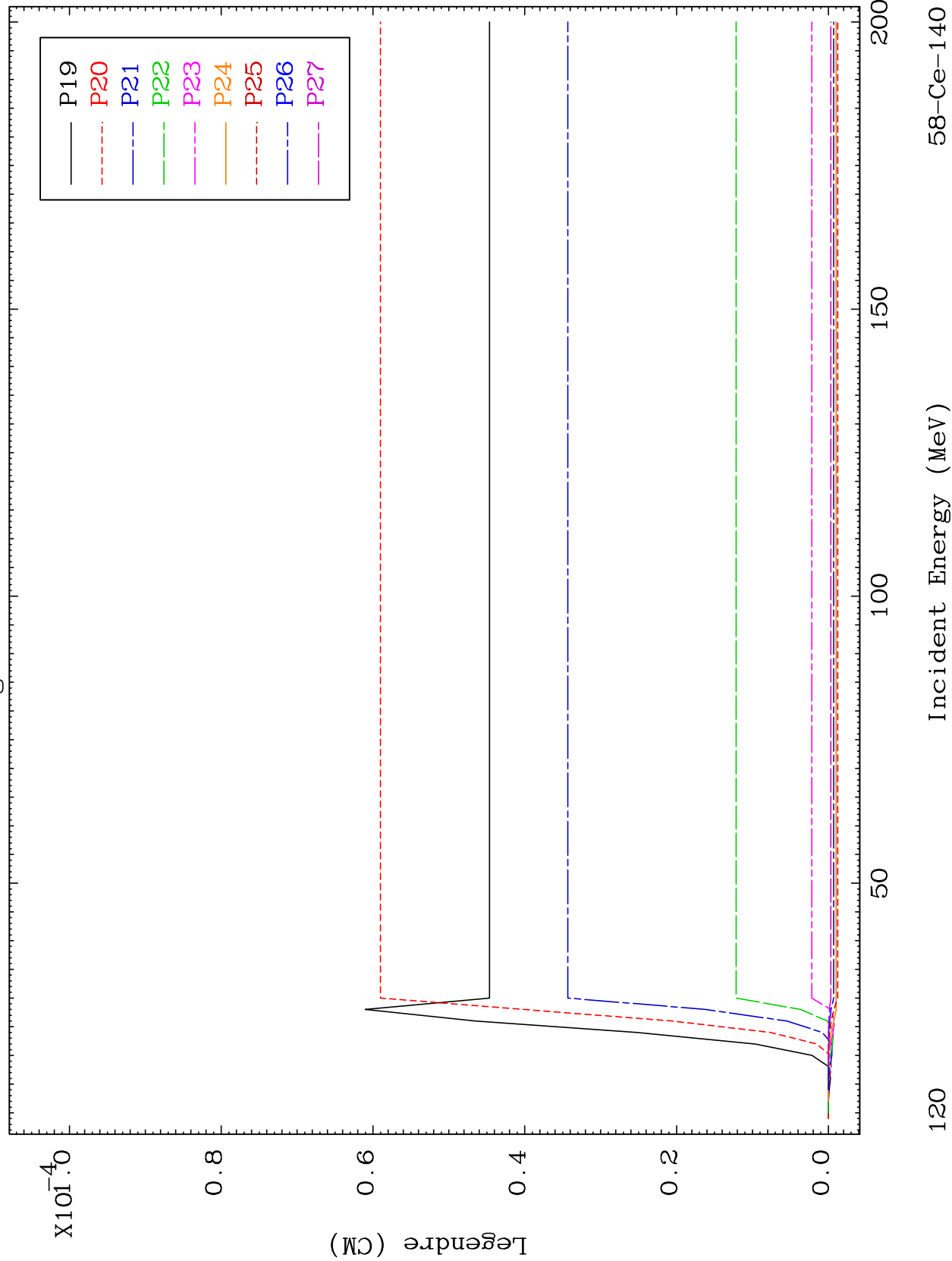
119

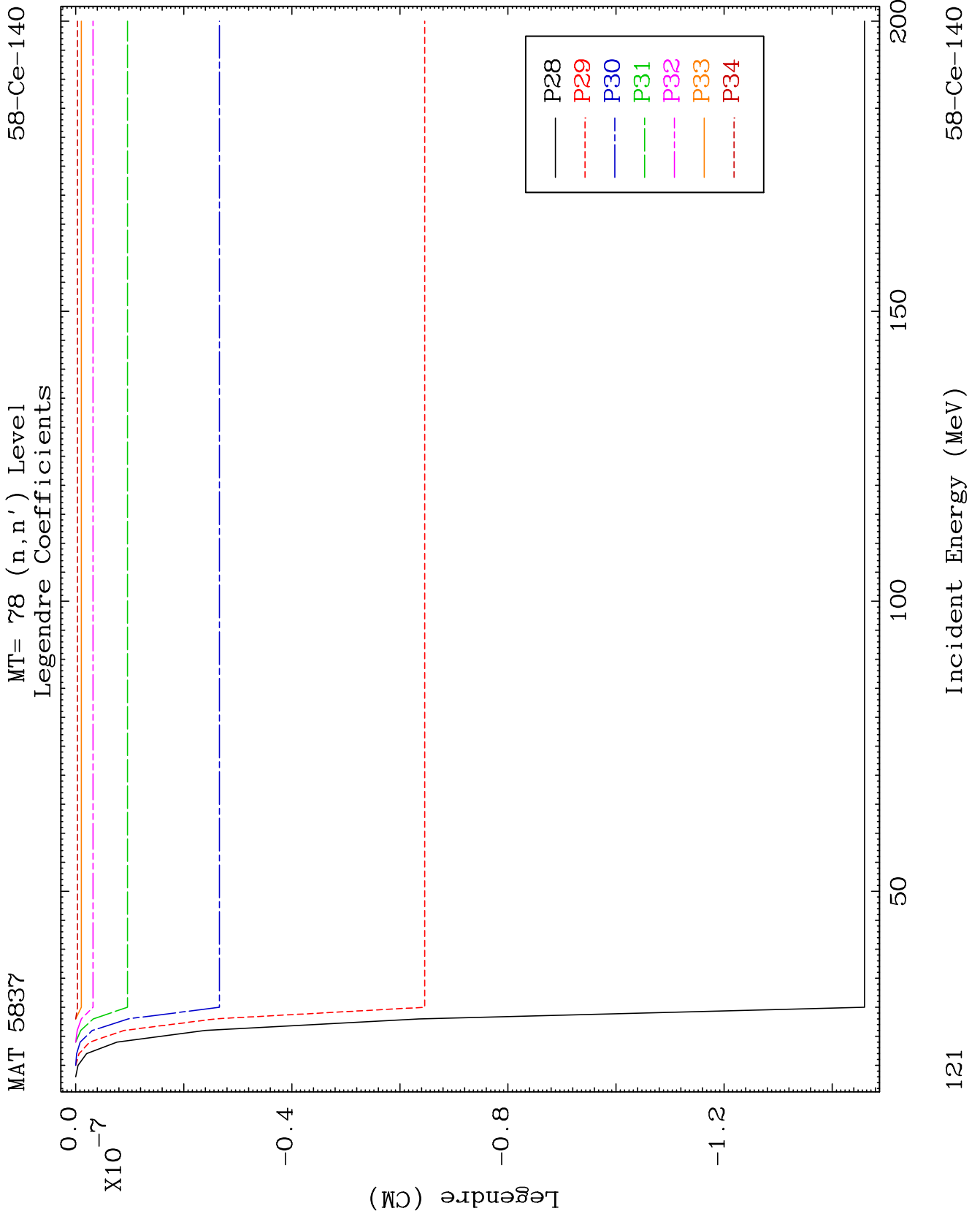
58-Ce-140

MAT 5837

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

58-Ce-140

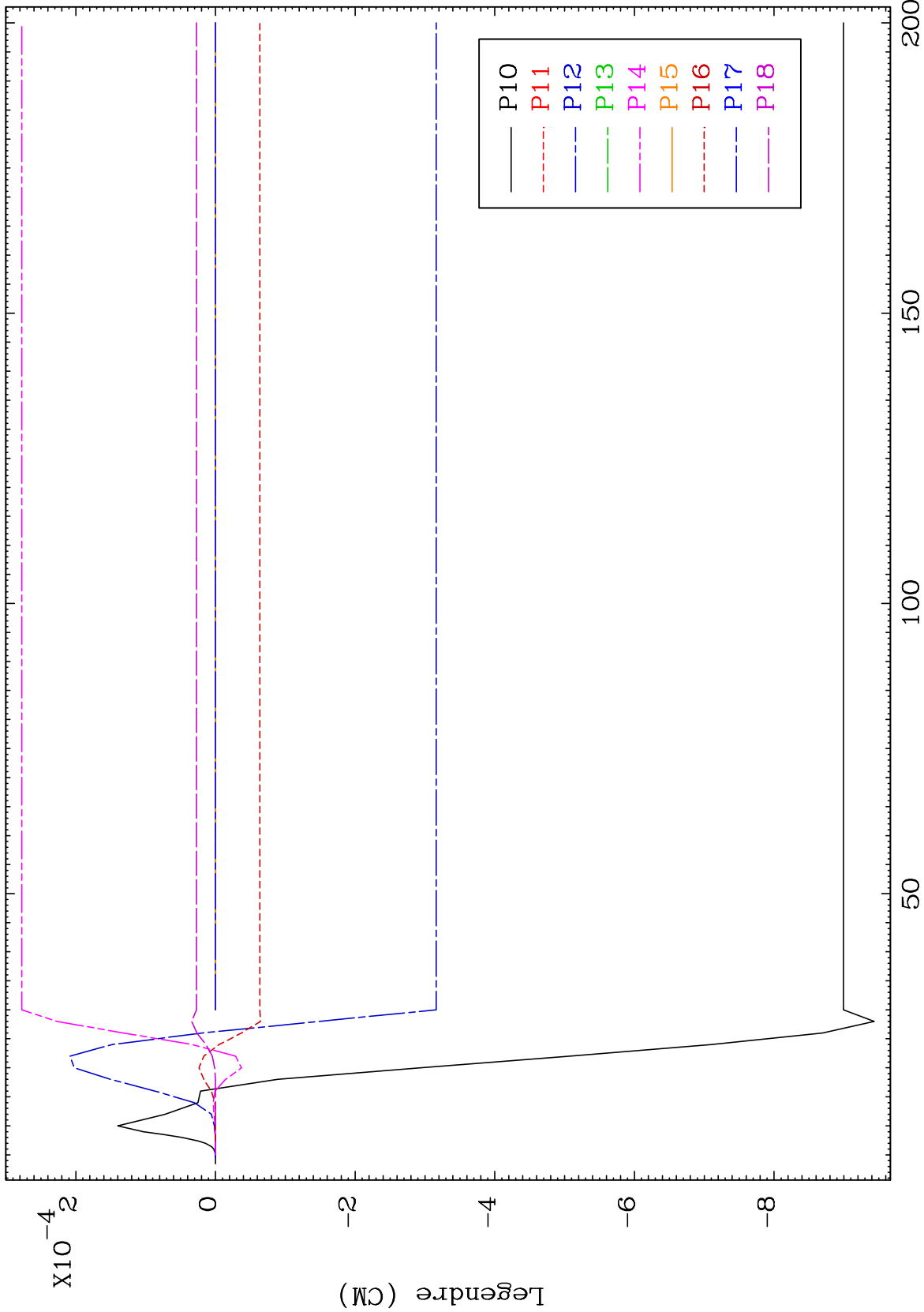




MAT 5837

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

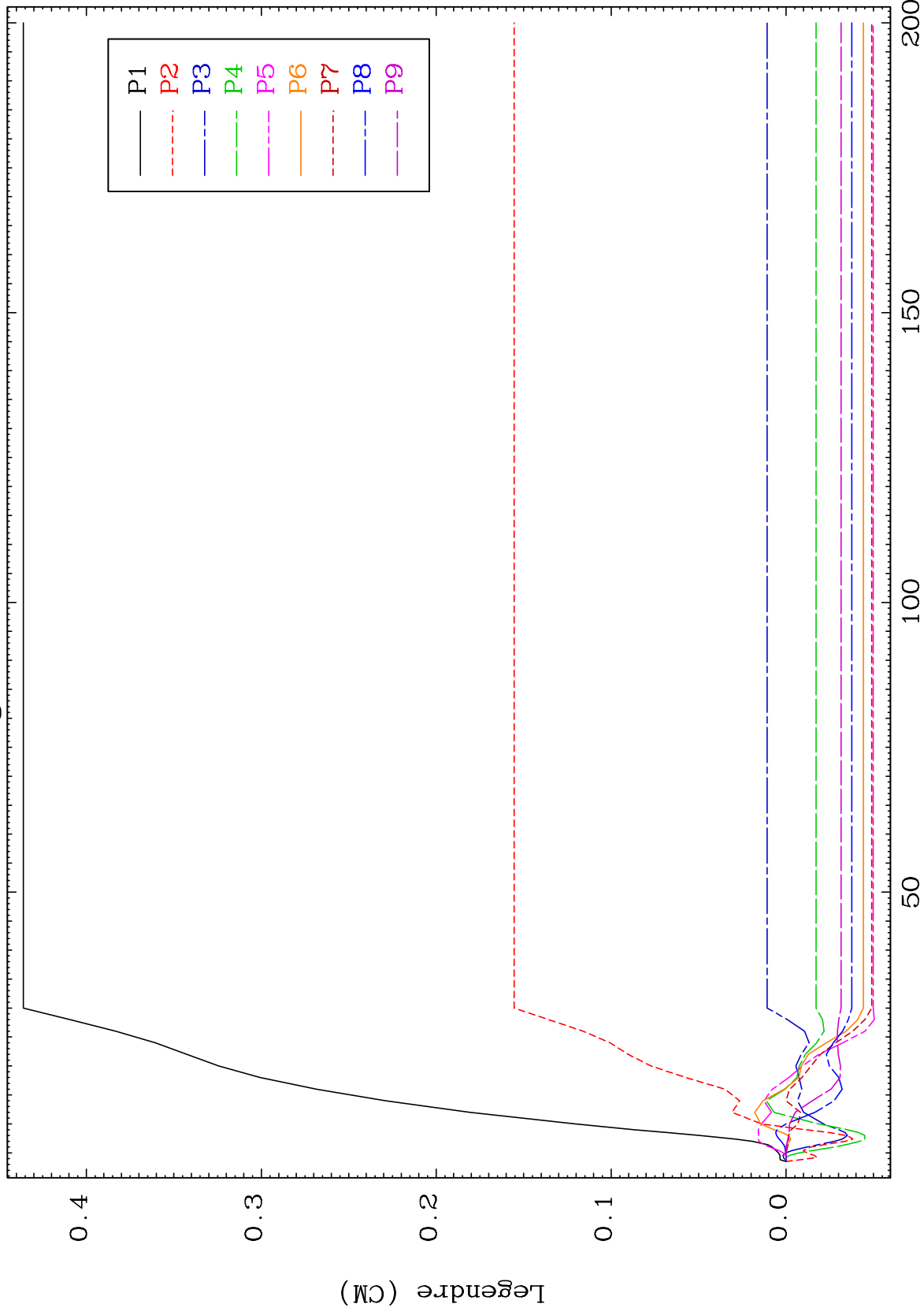
58-Ce-140



MAT 5837

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

58-Ce-140



125

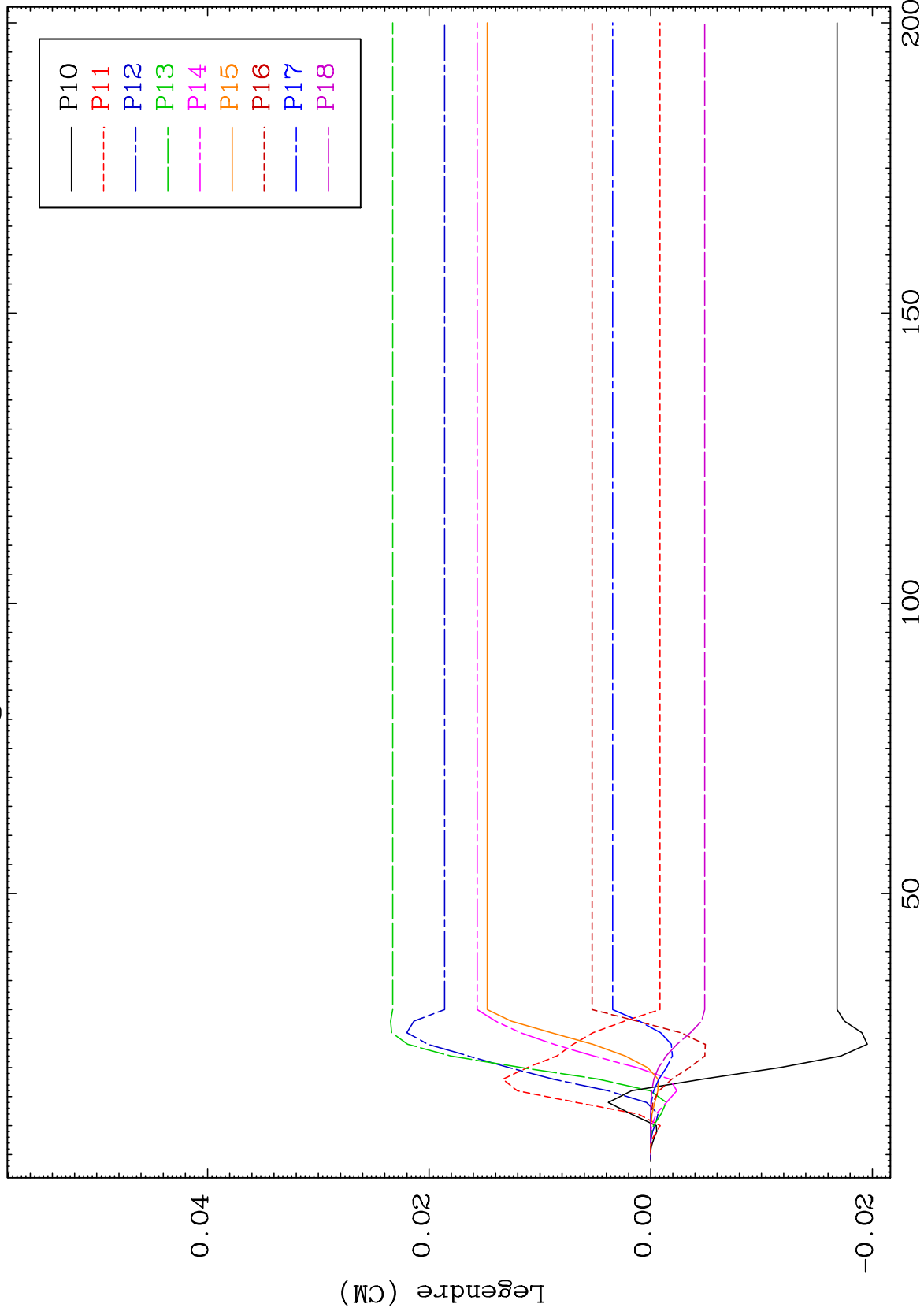
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



126

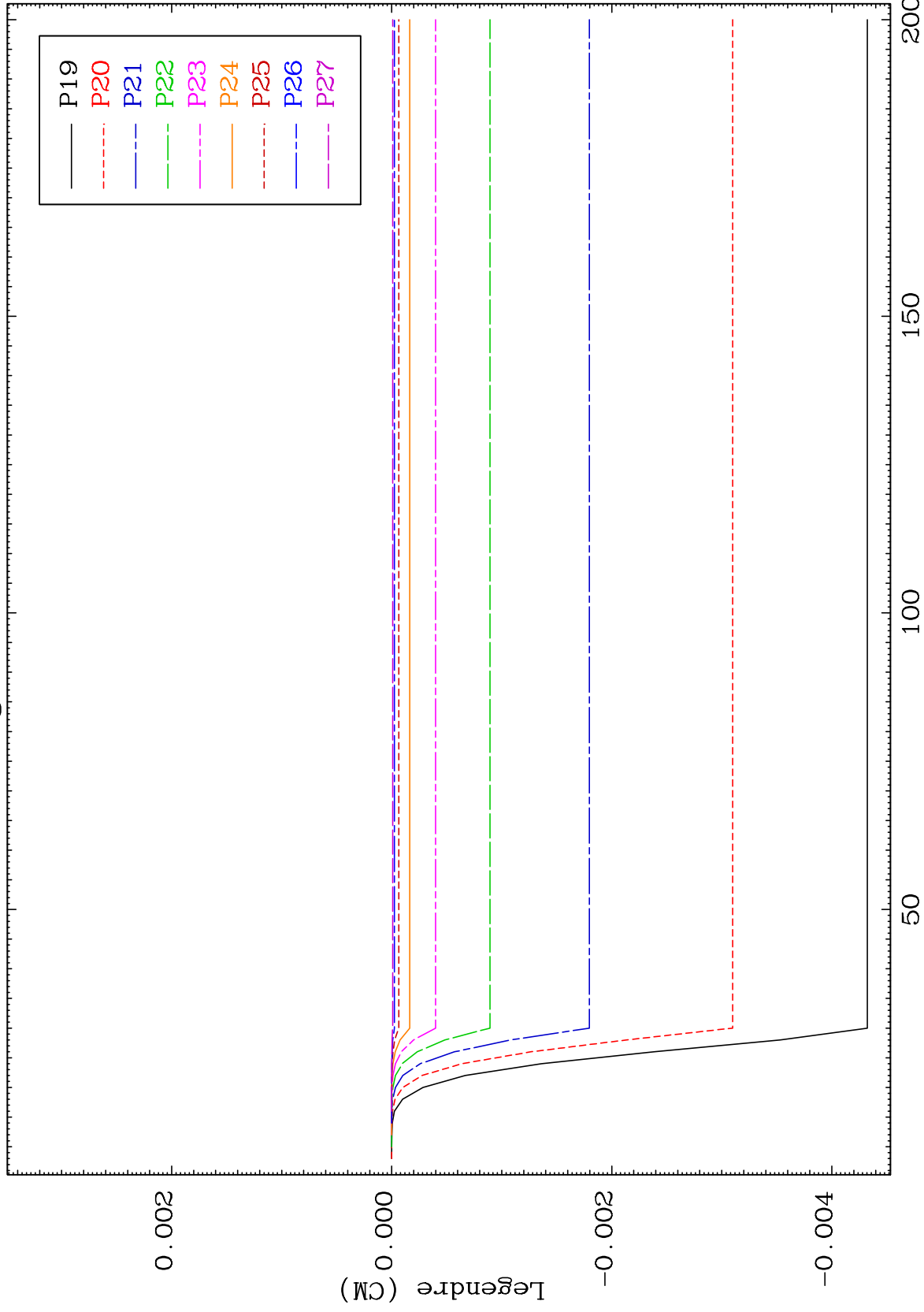
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

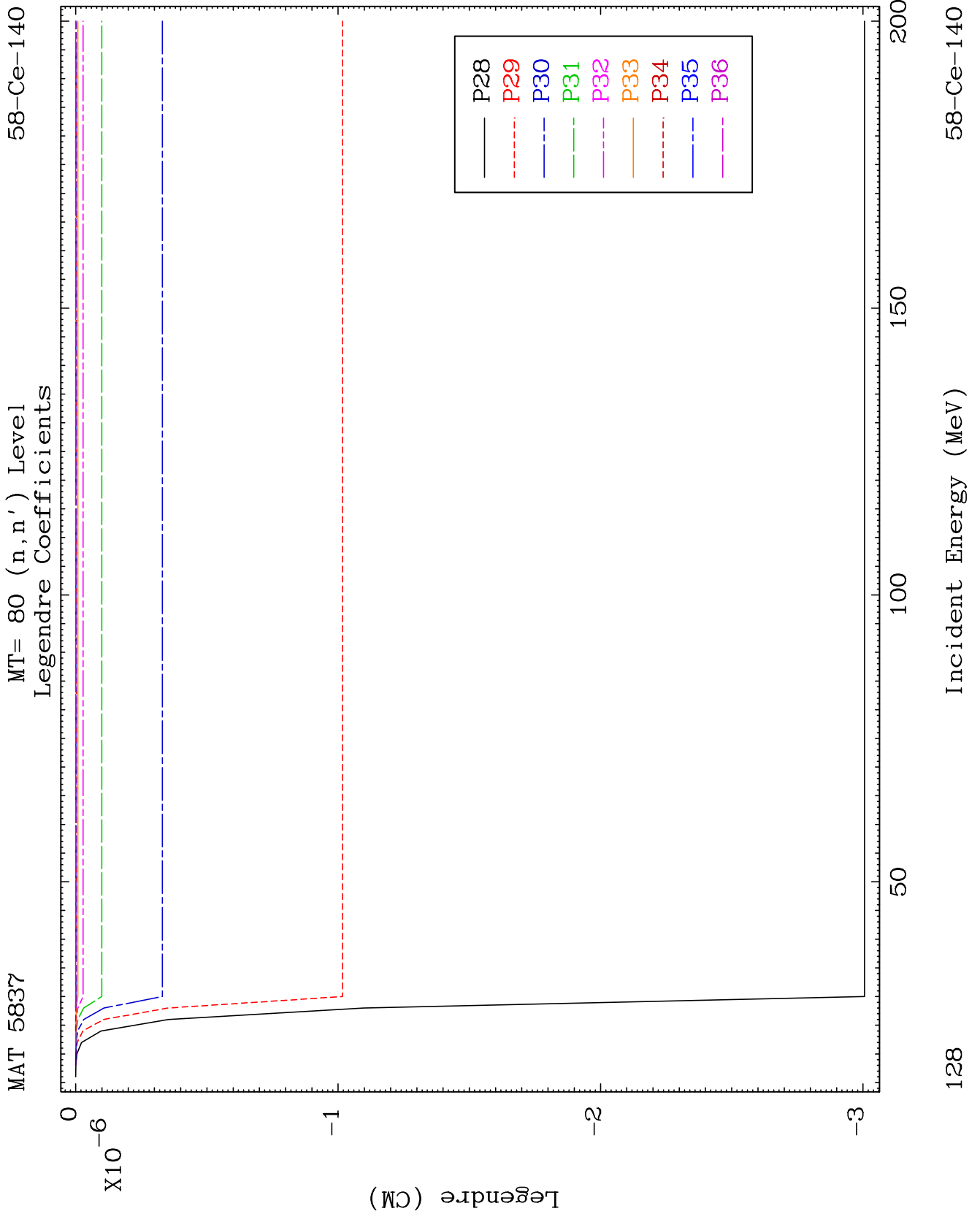
58-Ce-140



127

Incident Energy (MeV)

58-Ce-140

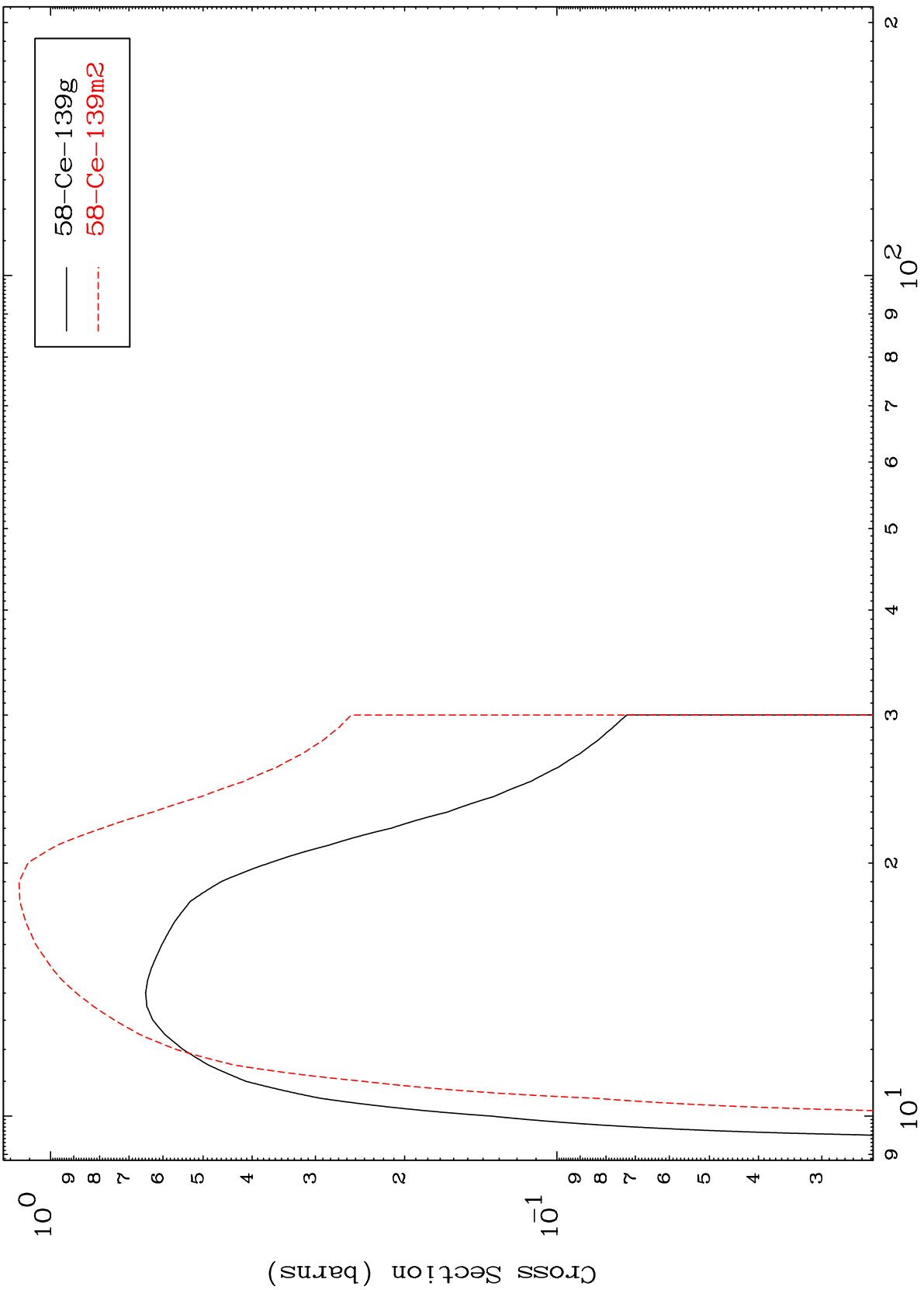


MAT 5837

58-Ce-140

(n,2n)

Radionuclide Production Cross Section



58-Ce-140

Incident Energy (MeV)

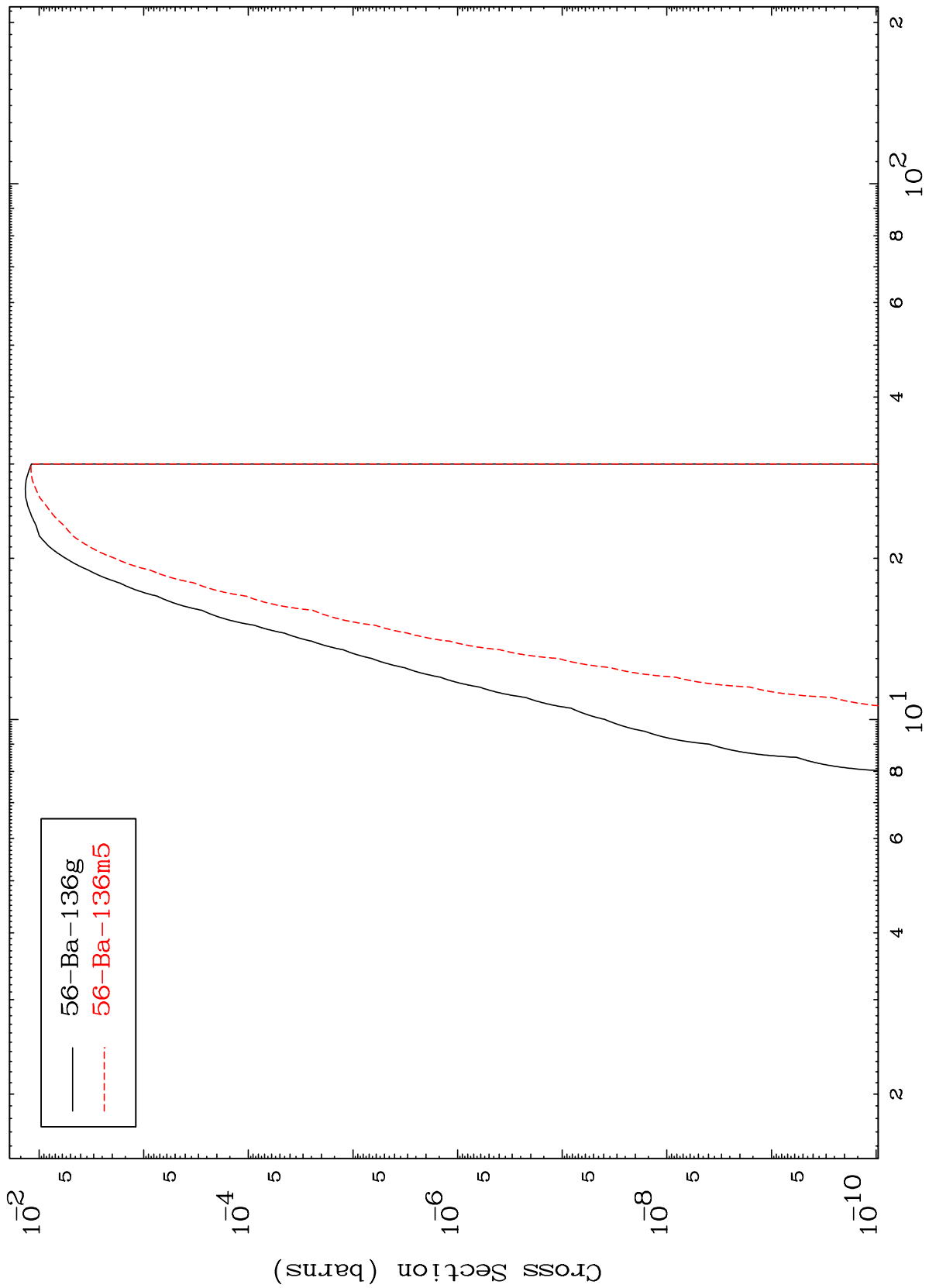
129

MAT 5837

(n,n') α

58-Ce-140

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

130

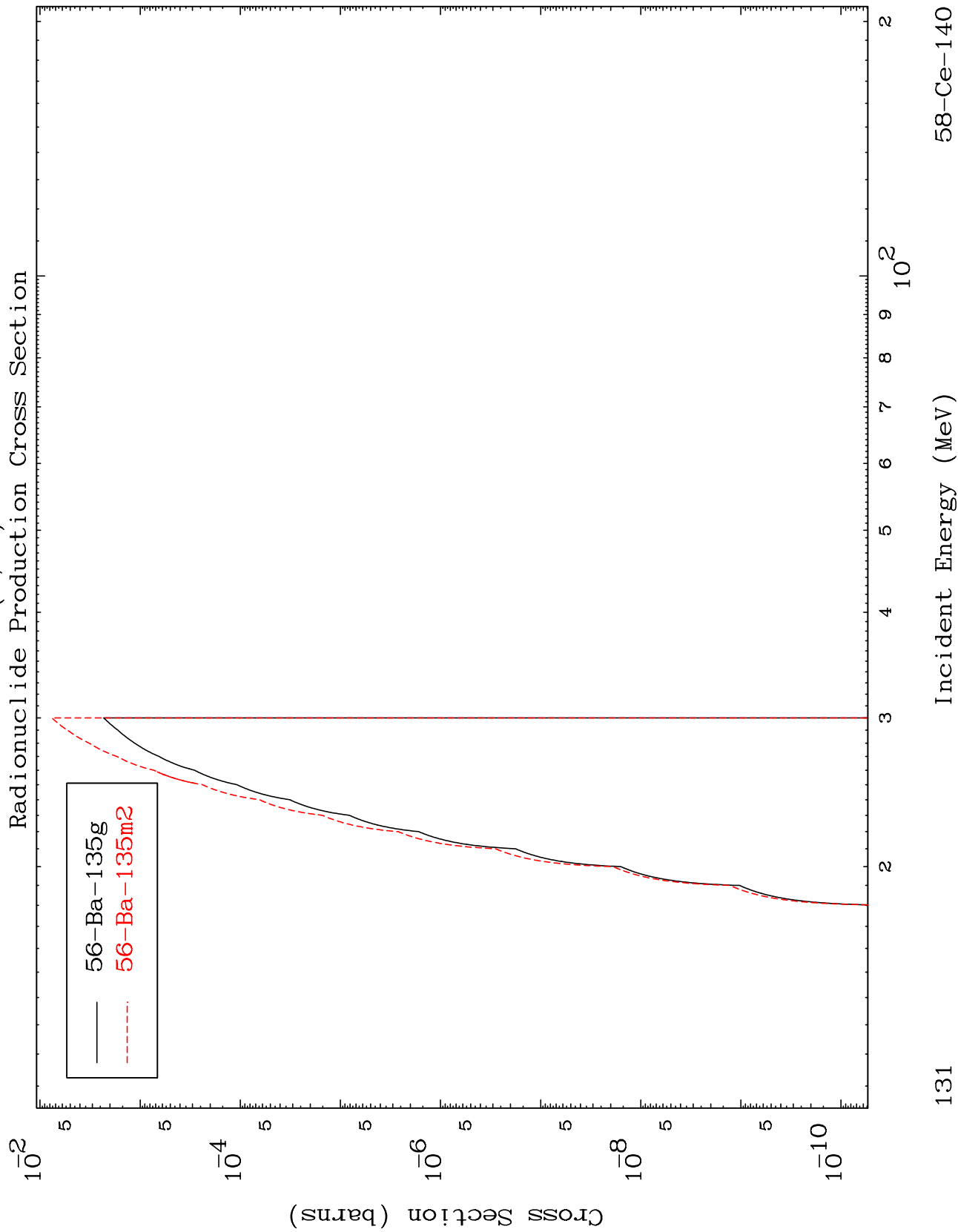
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,2n) α

58-Ce-140



131

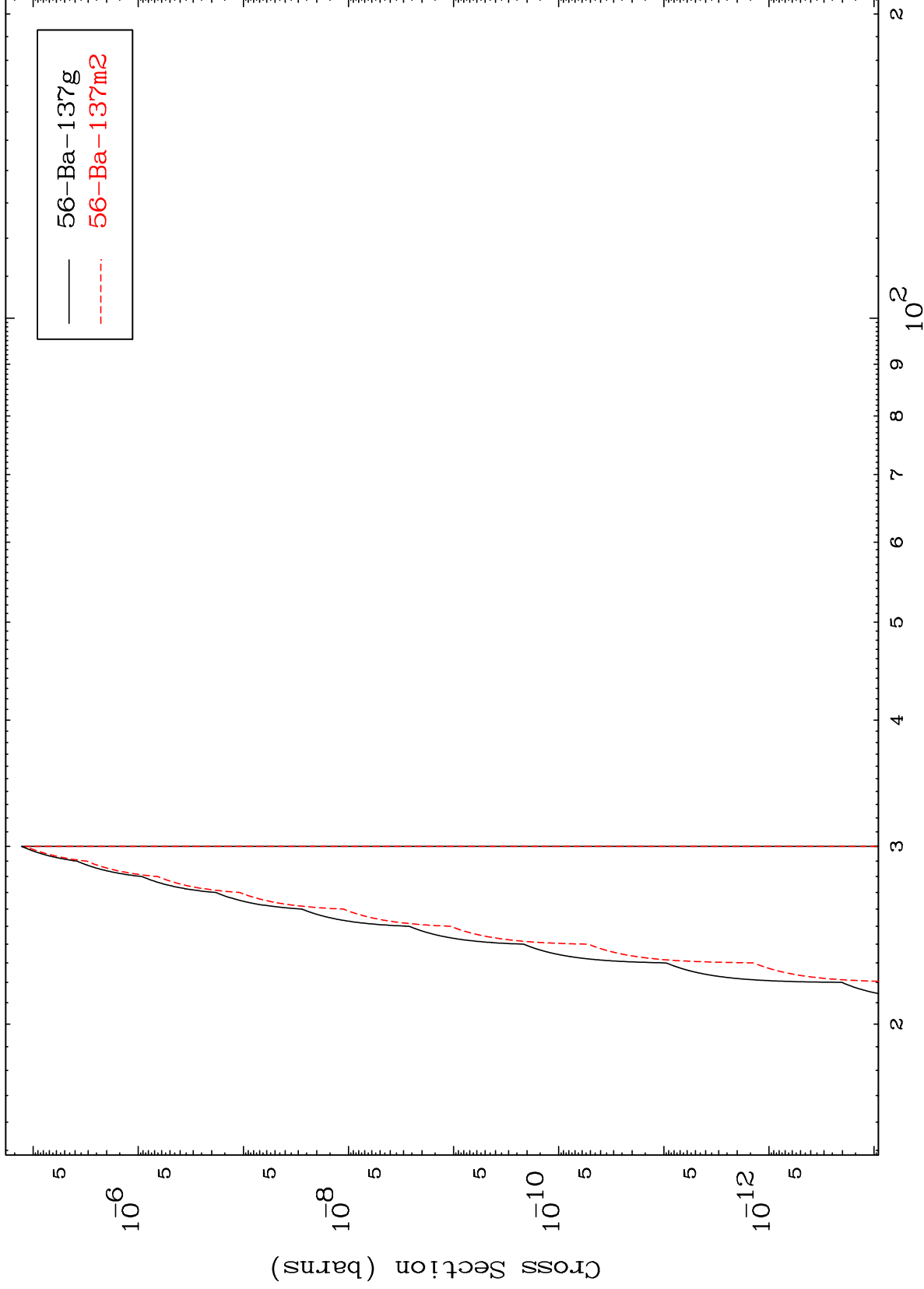
58-Ce-140

MAT 5837

(n,n') He-3

58-Ce-140

Radionuclide Production Cross Section



132

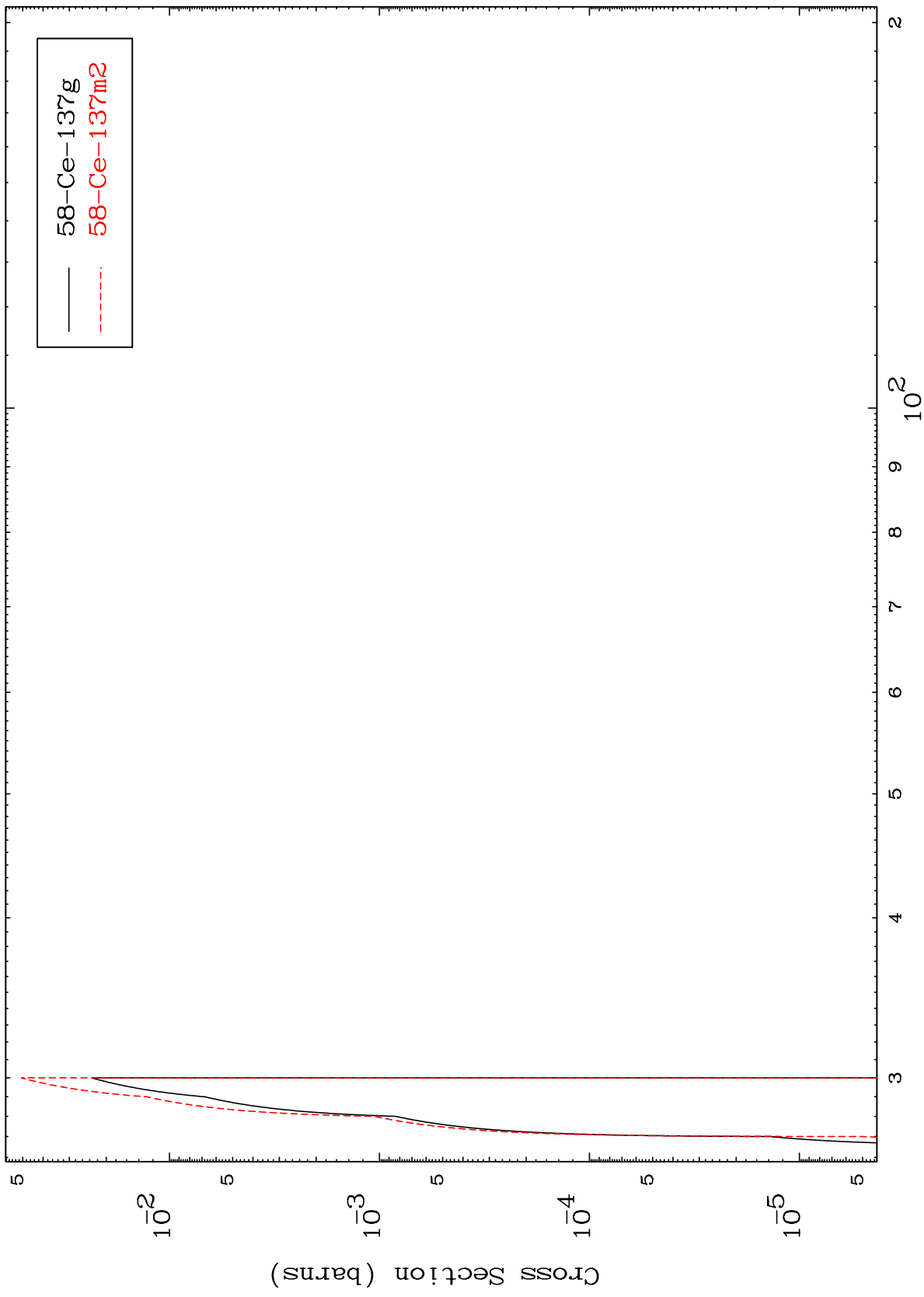
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,4n)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

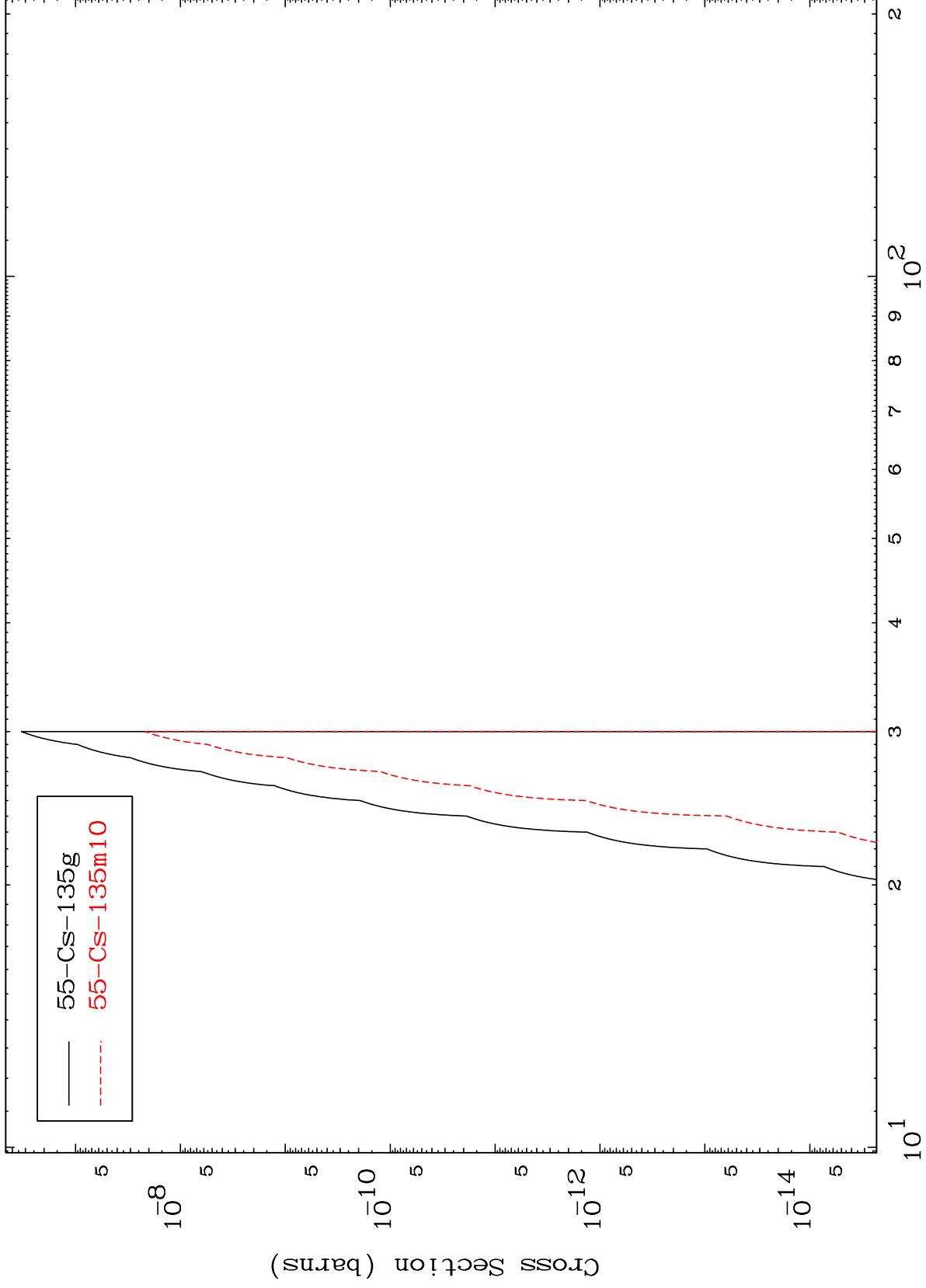
58-Ce-140

MAT 5837

(n,n') p α

58-Ce-140

Radionuclide Production Cross Section



134

Incident Energy (MeV)

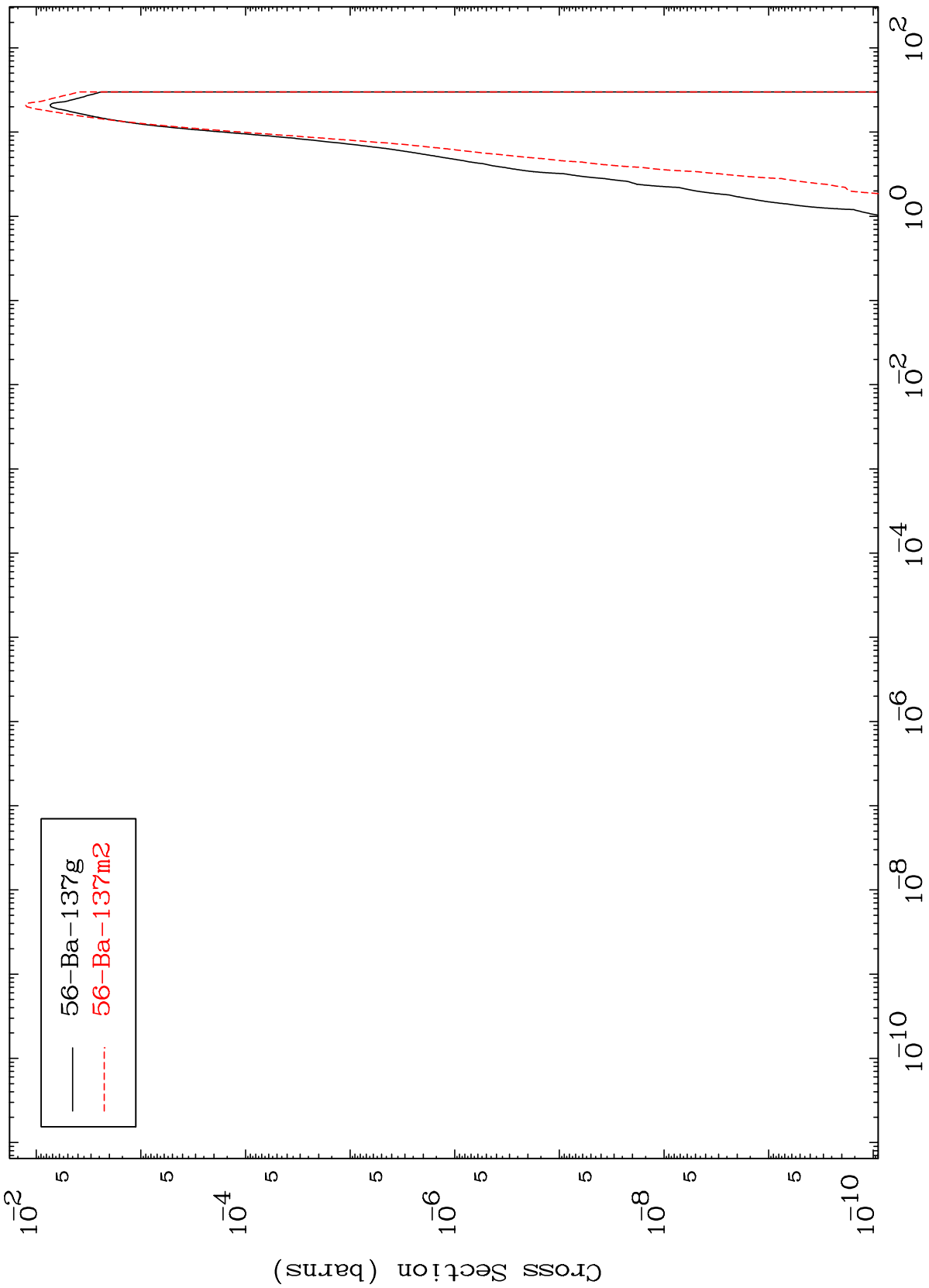
58-Ce-140

MAT 5837

(n, α)

58-Ce-140

Radionuclide Production Cross Section



135

Incident Energy (MeV)

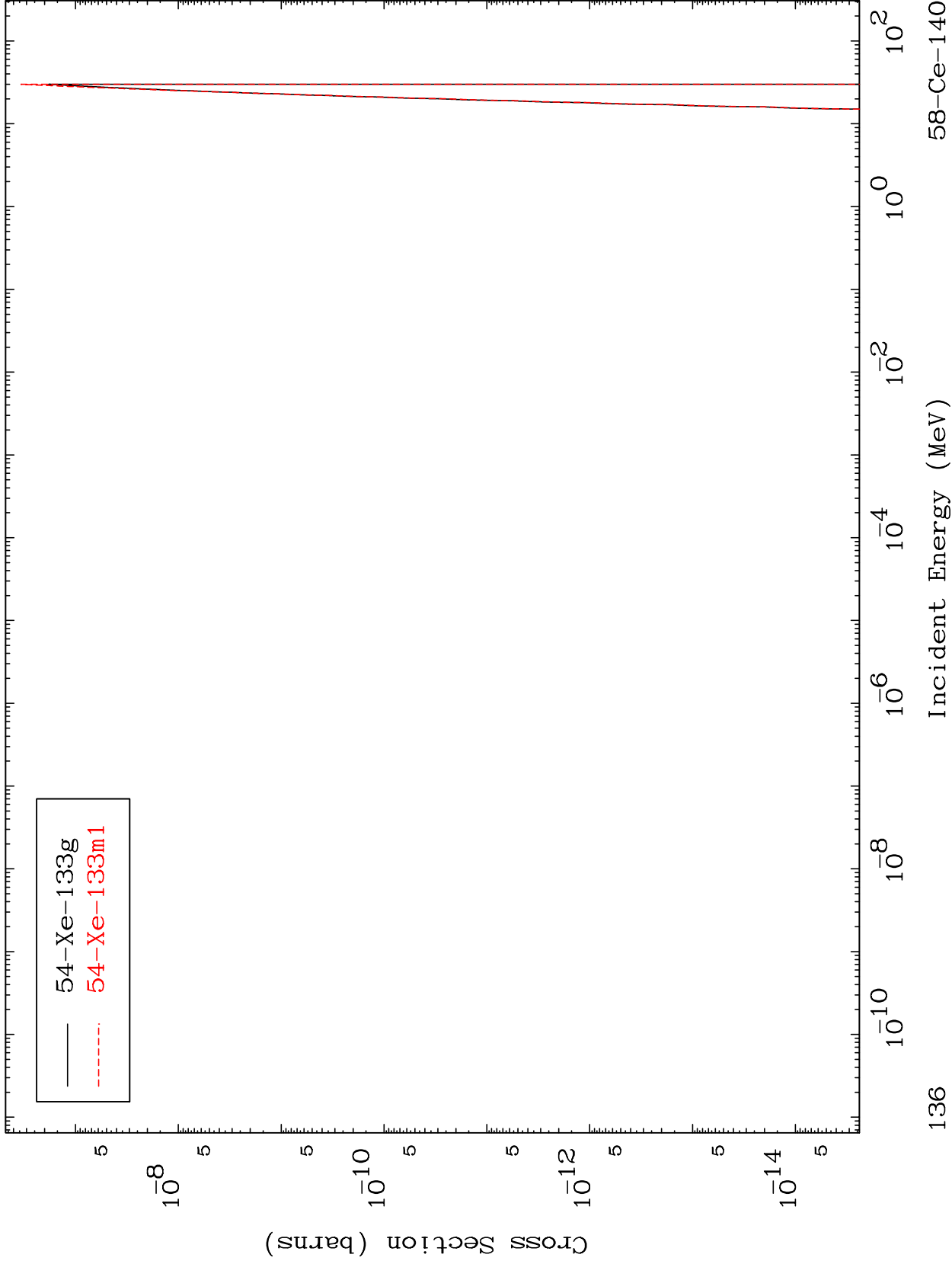
58-Ce-140

MAT 5837

(n,2α)

58-Ce-140

Radionuclide Production Cross Section

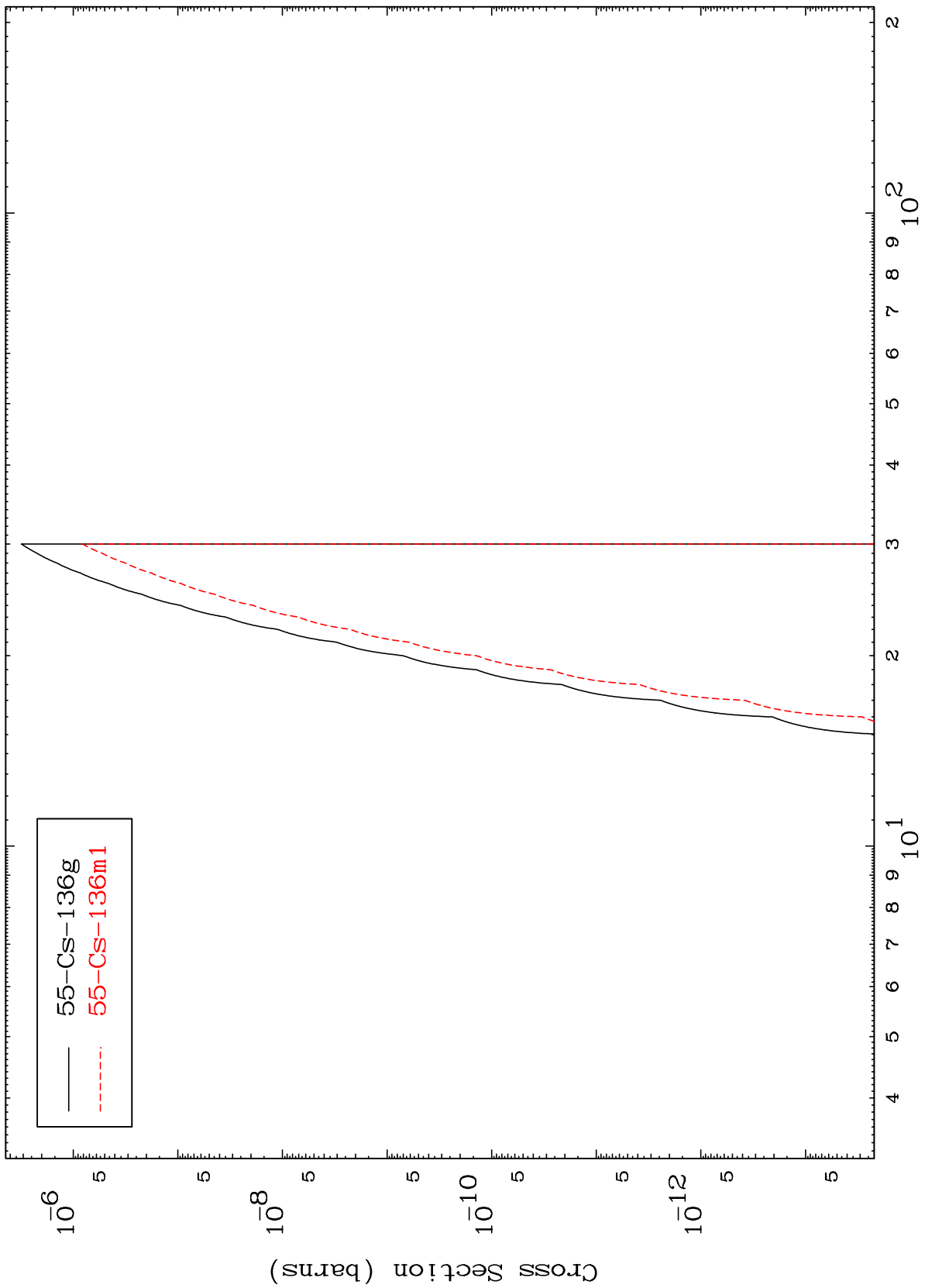


MAT 5837

(n,p) α

58-Ce-140

Radionuclide Production Cross Section



— 55-Cs-136g
- - - 55-Cs-136m1

137

Incident Energy (MeV)

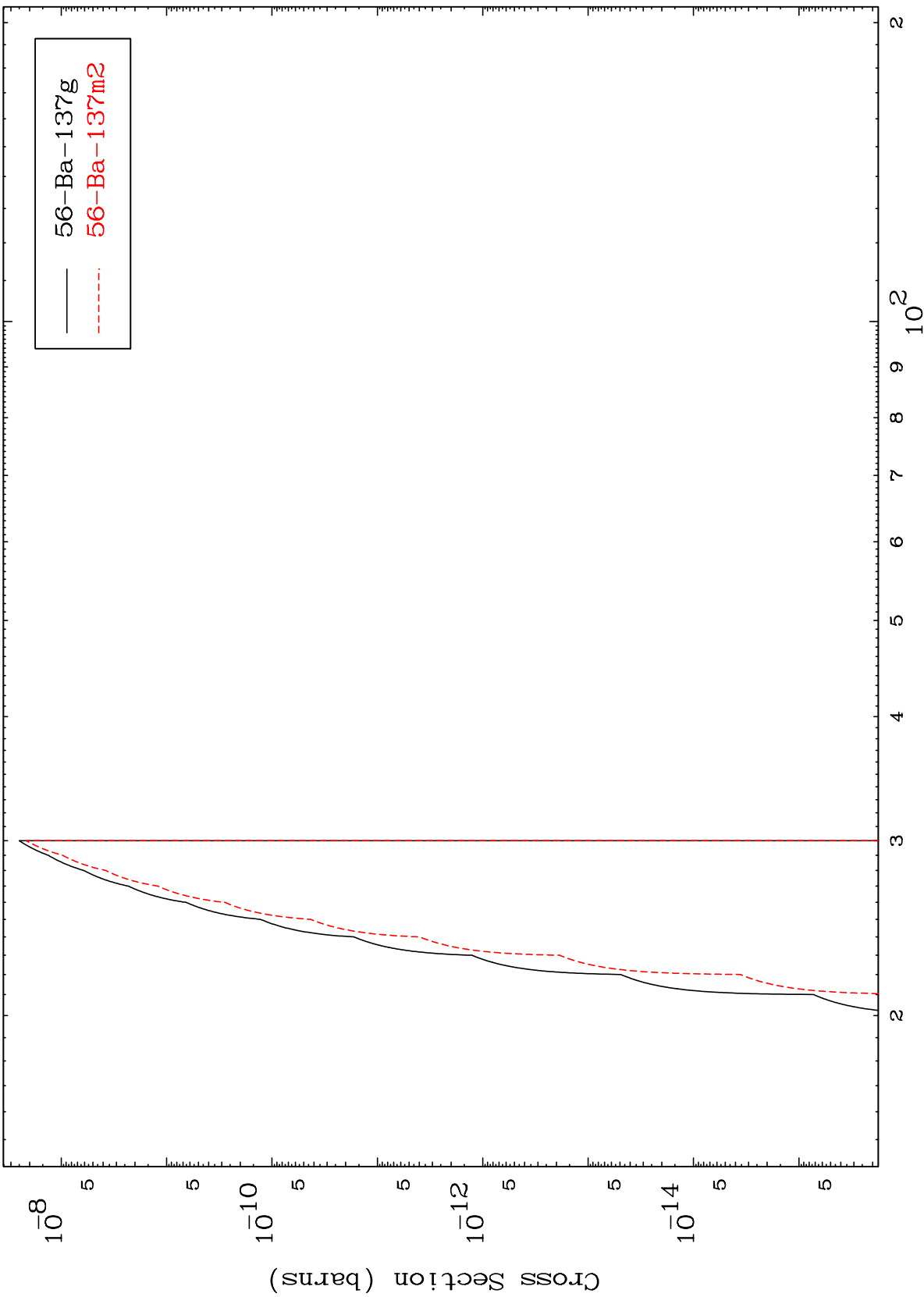
58-Ce-140

MAT 5837

(n,p) t

58-Ce-140

Radionuclide Production Cross Section



138

Incident Energy (MeV)

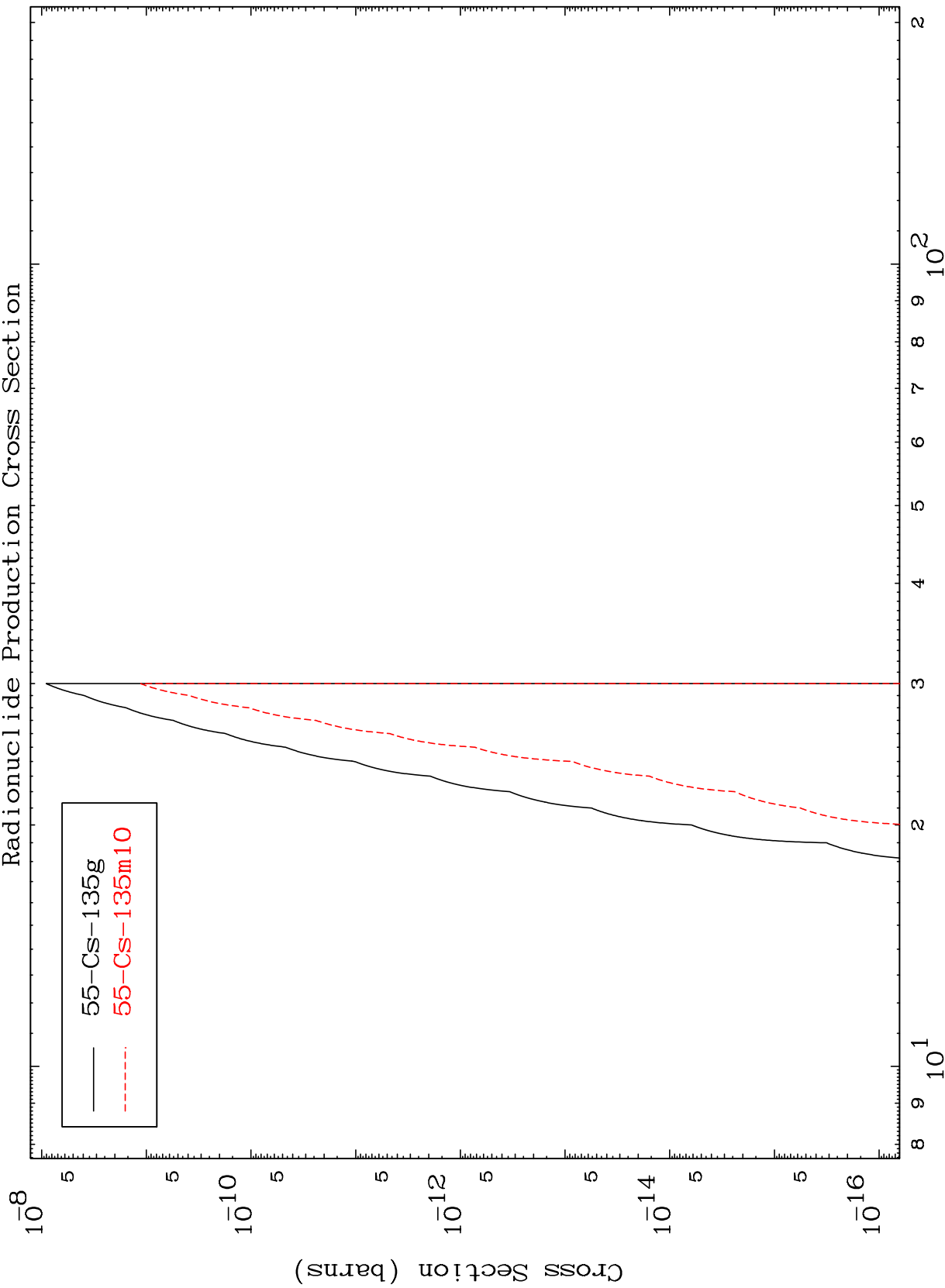
58-Ce-140

MAT 5837

(n,d) α

58-Ce-140

Radionuclide Production Cross Section



55-Cs-135g
55-Cs-135m10