

Program EVALPLOT
(Version 2021-1)

by

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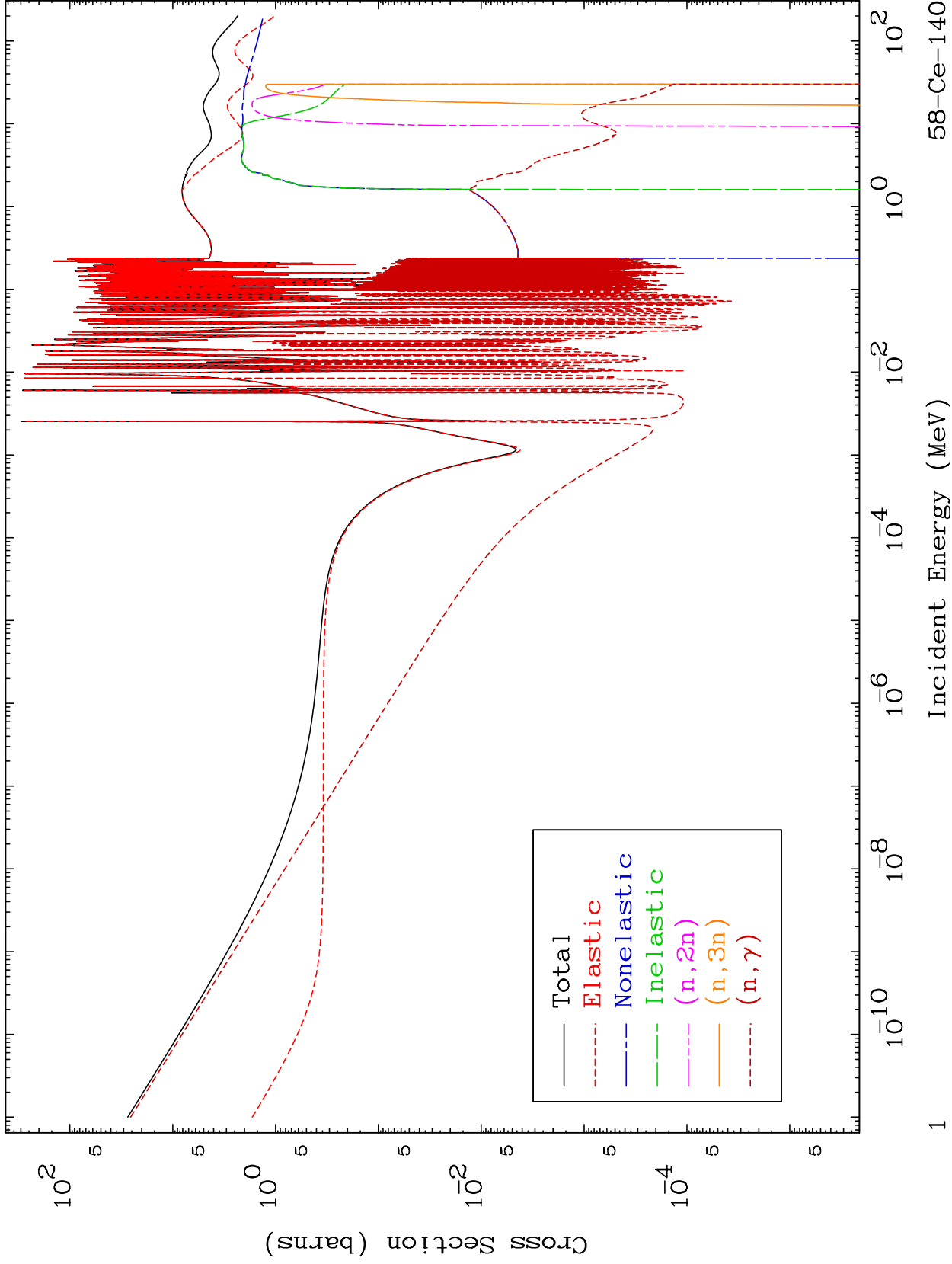
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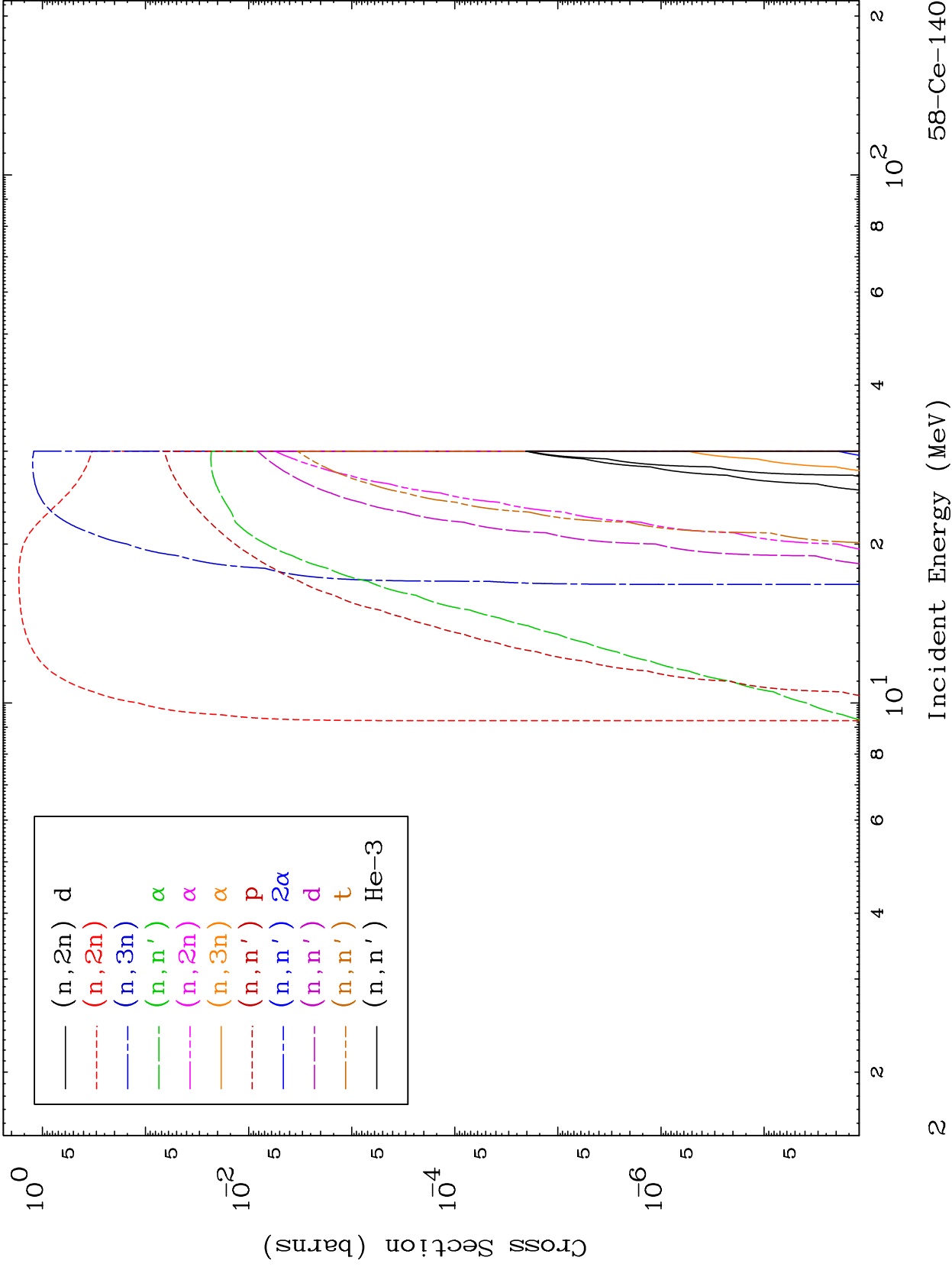
Press Mouse Button to Start

MAT 5837

Neutron Major
293 Kelvin Cross Sections

58-Ce-140

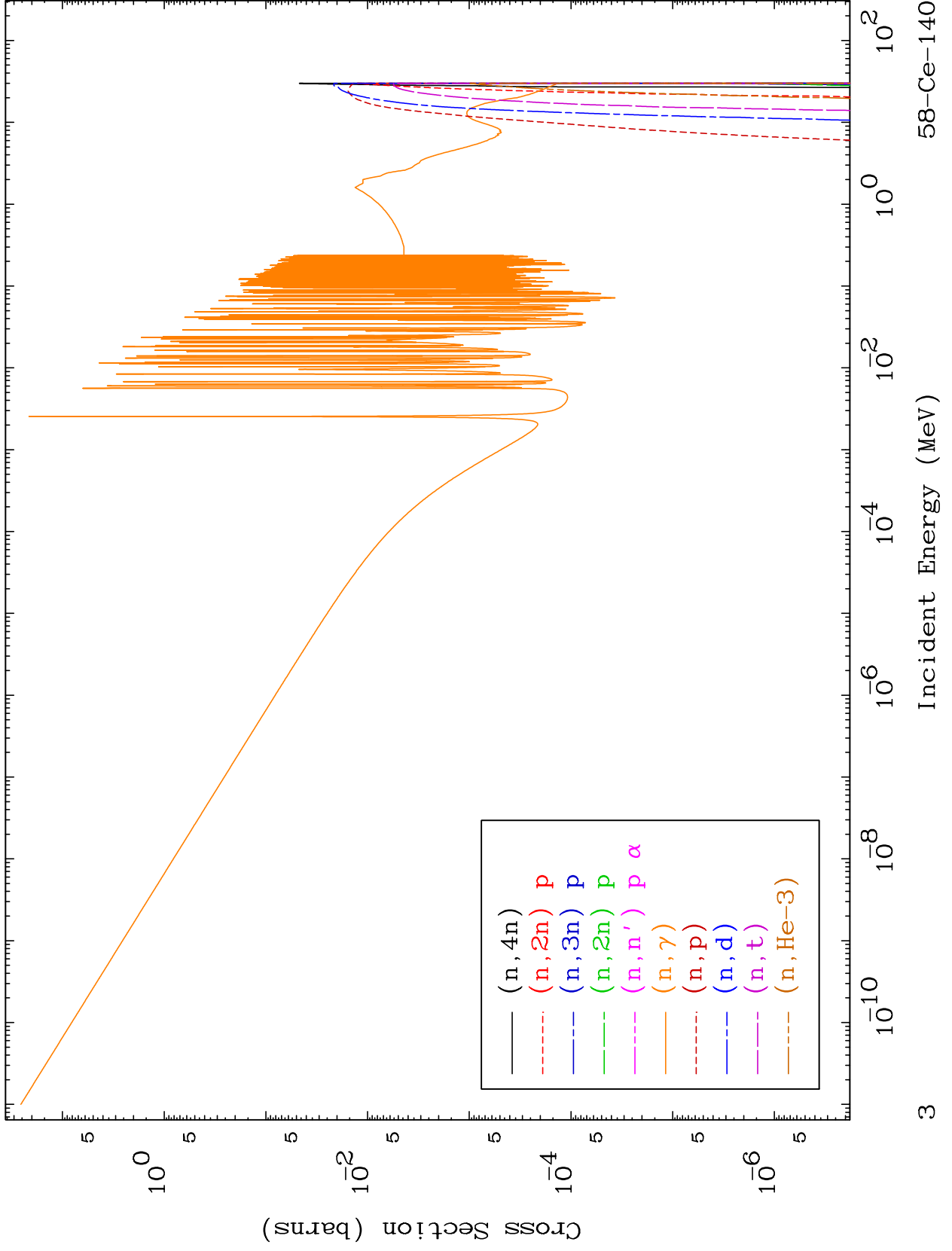




MAT 5837

Neutron Absorption
293 Kelvin Cross Sections

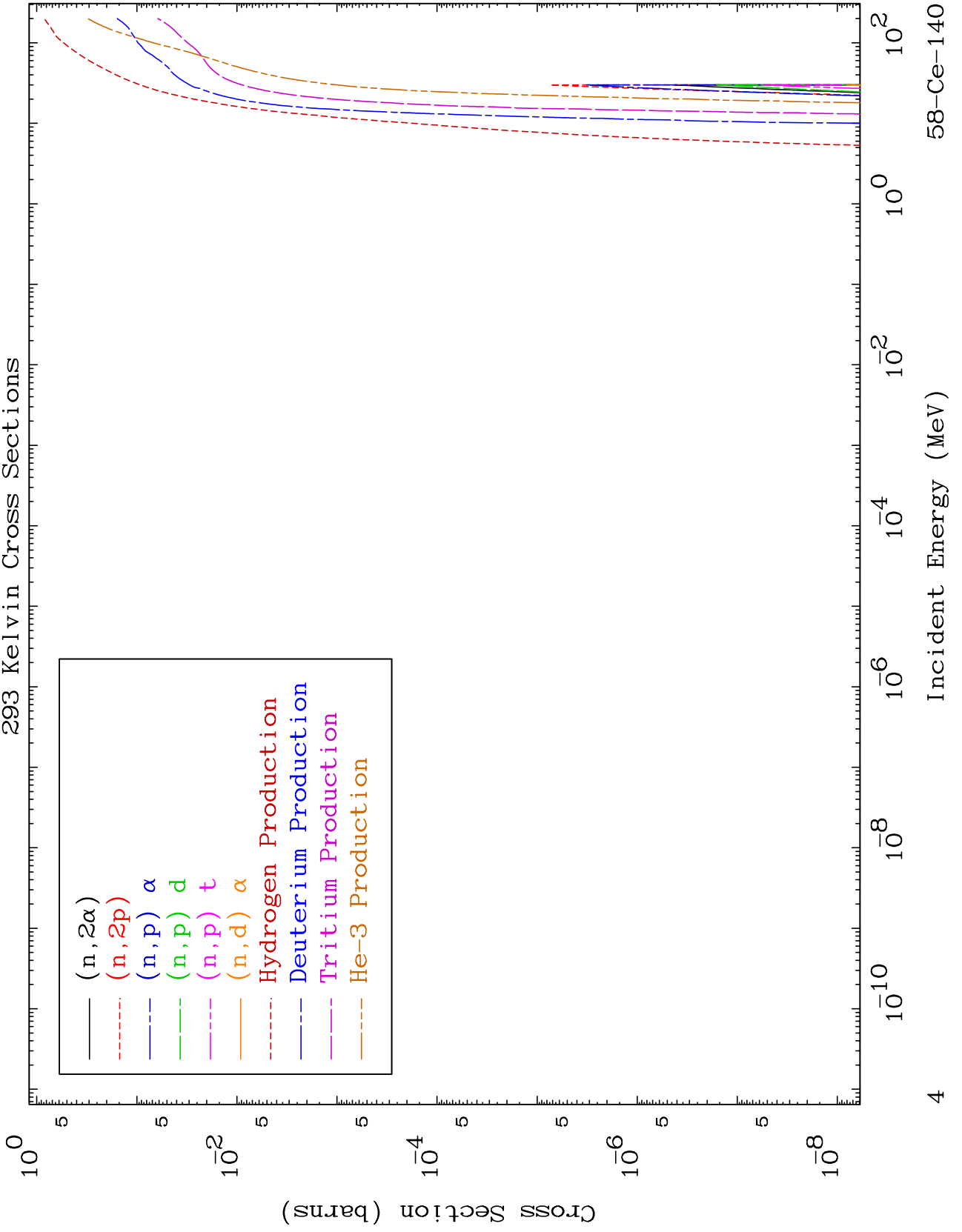
58-Ce-140



MAT 5837

Neutron Absorption
293 Kelvin Cross Sections

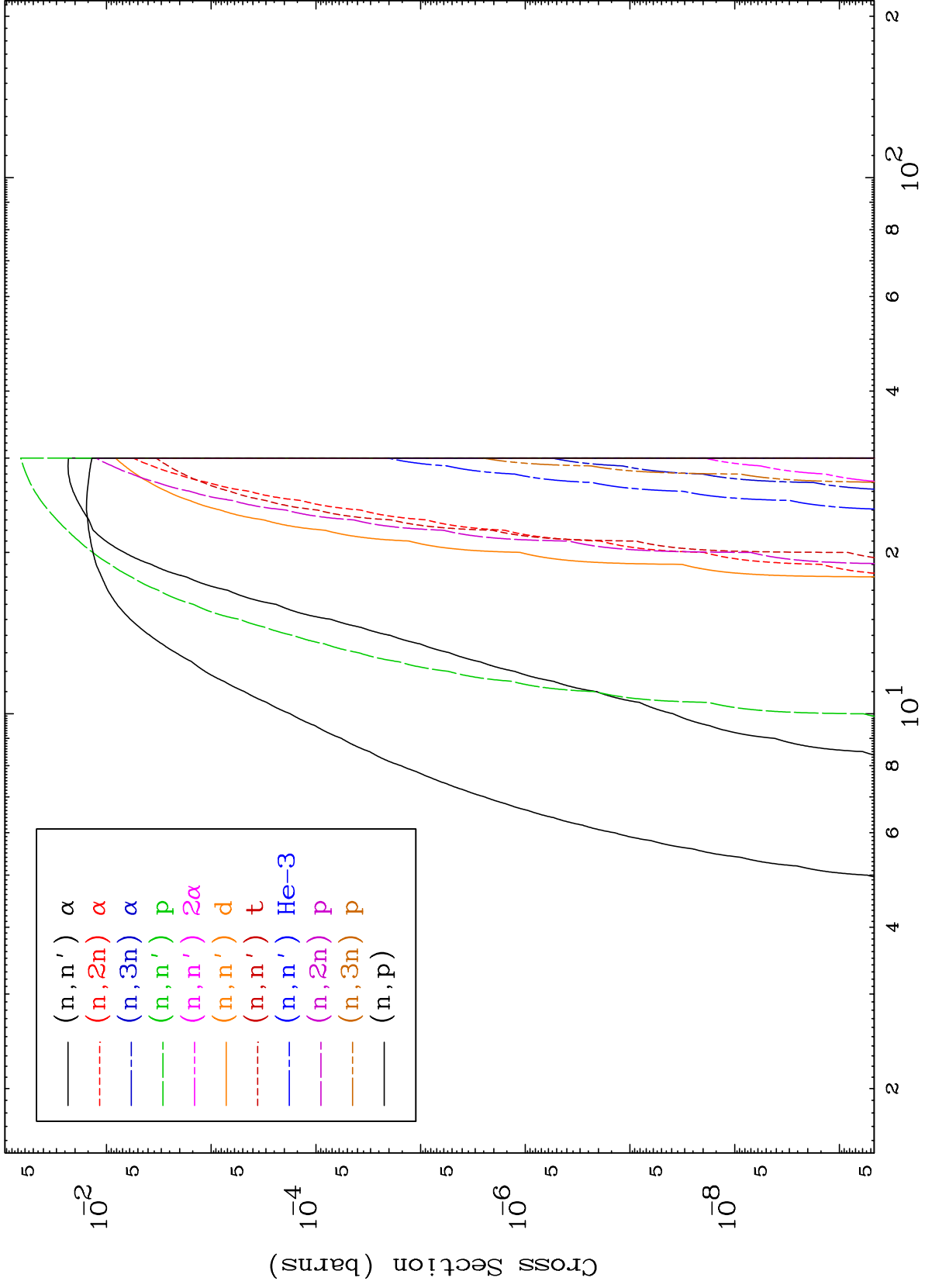
58-Ce-140



MAT 5837

Charged Particle
293 Kelvin Cross Sections

58-Ce-140



5

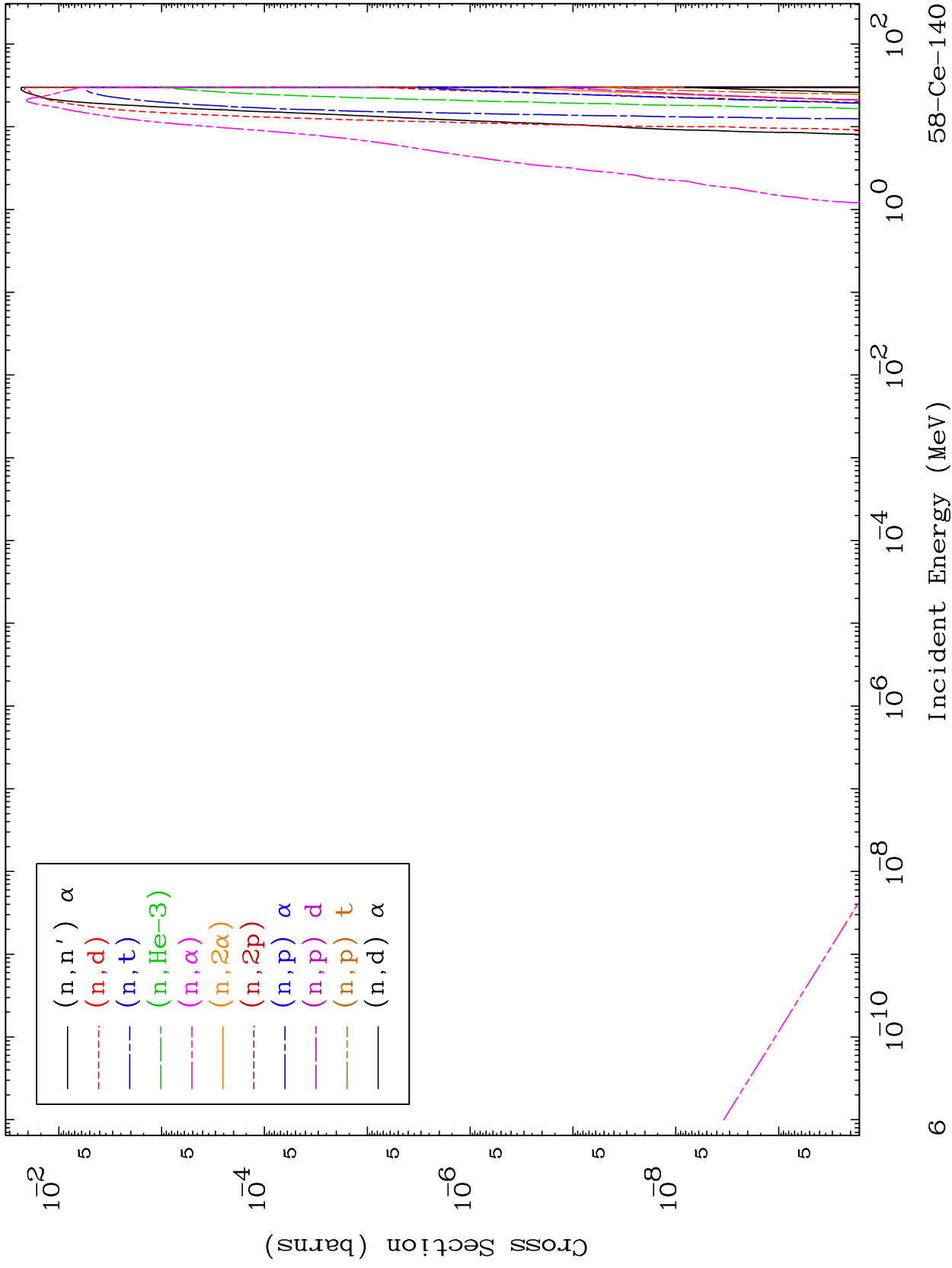
Incident Energy (MeV)

58-Ce-140

MAT 5837

Charged Particle
293 Kelvin Cross Sections

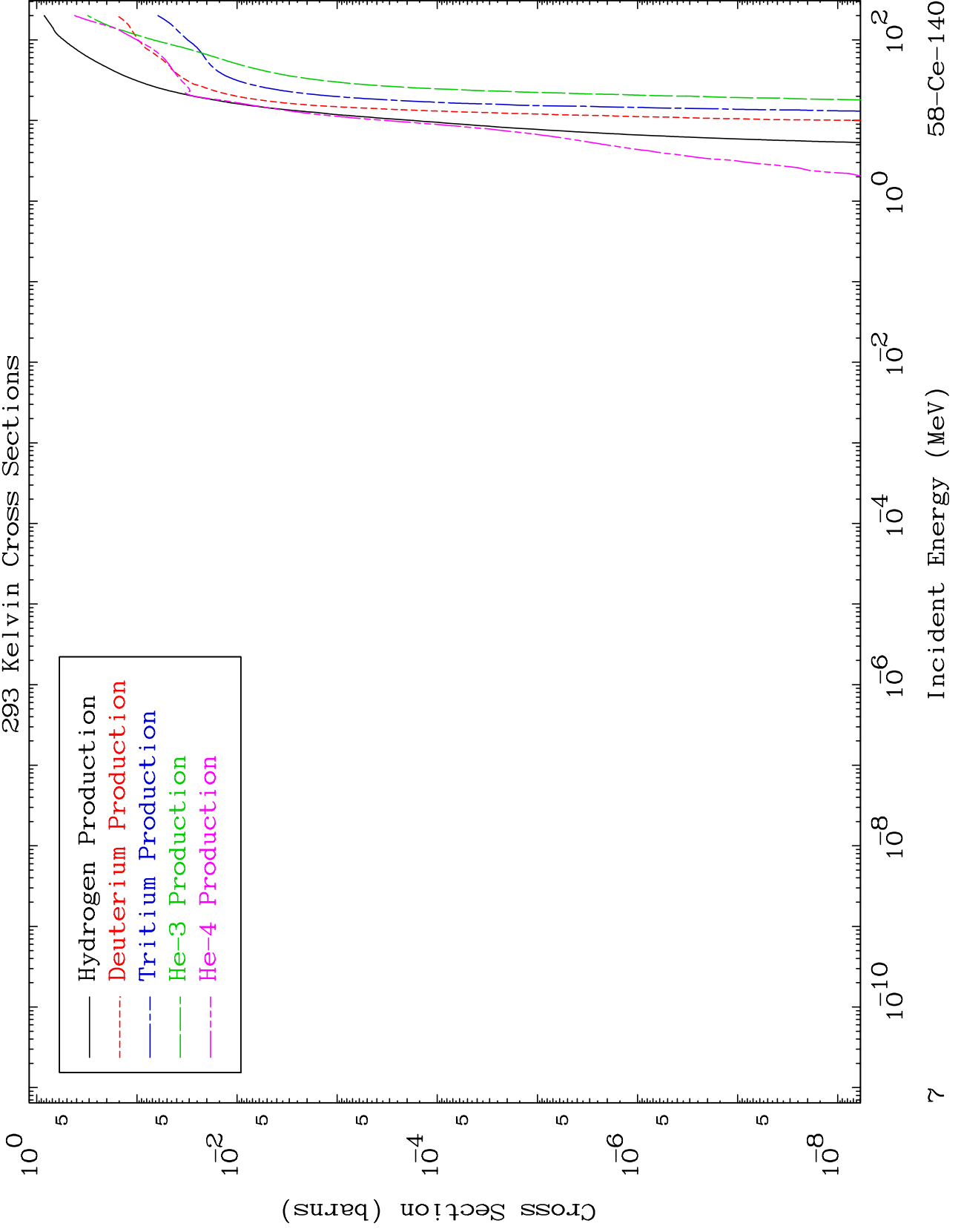
58-Ce-140



MAT 5837

Particle Production
293 Kelvin Cross Sections

58-Ce-140

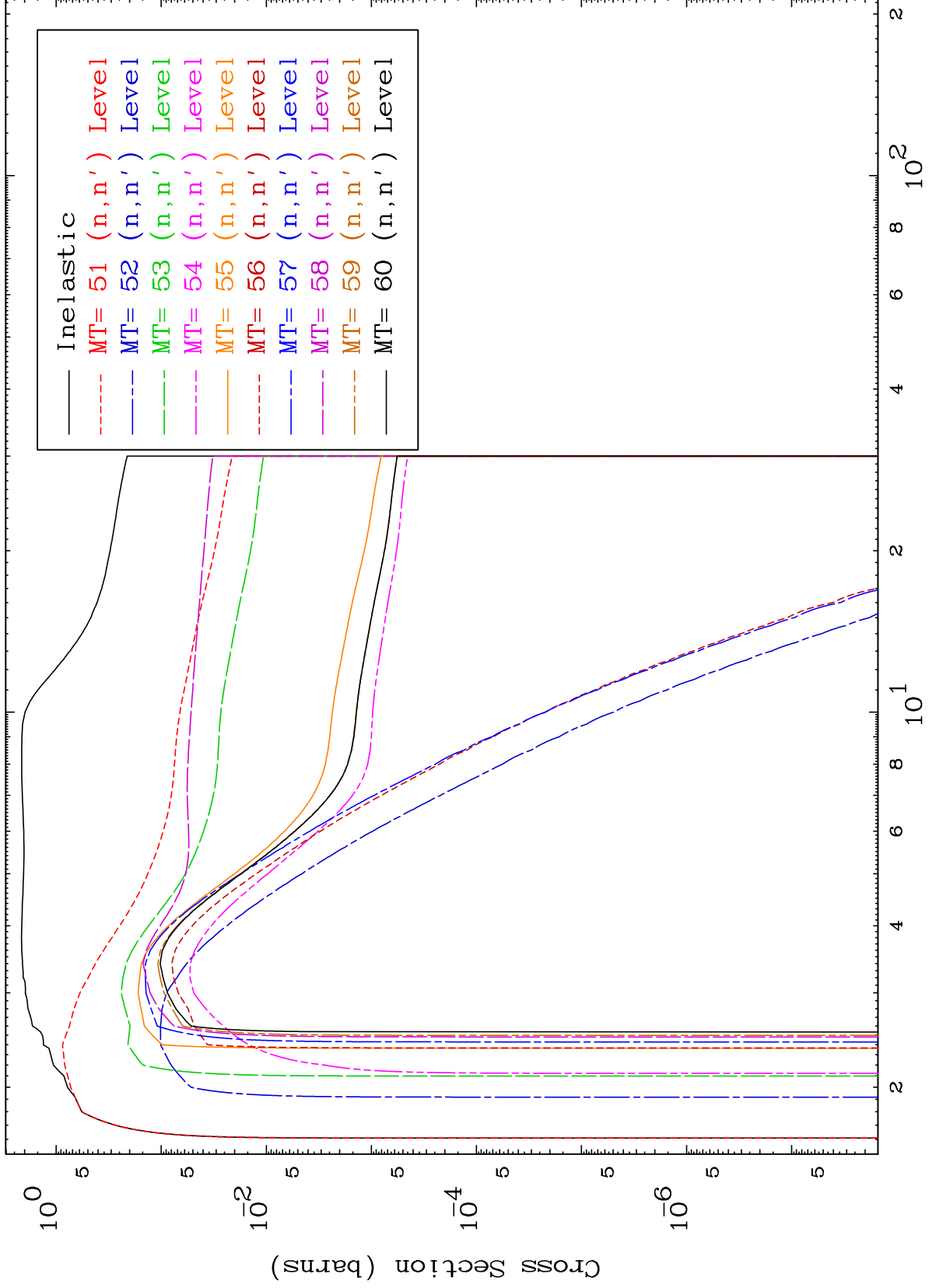


MAT 5837

(n,n') Levels

58-Ce-140

293 Kelvin Cross Sections



8

Incident Energy (MeV)

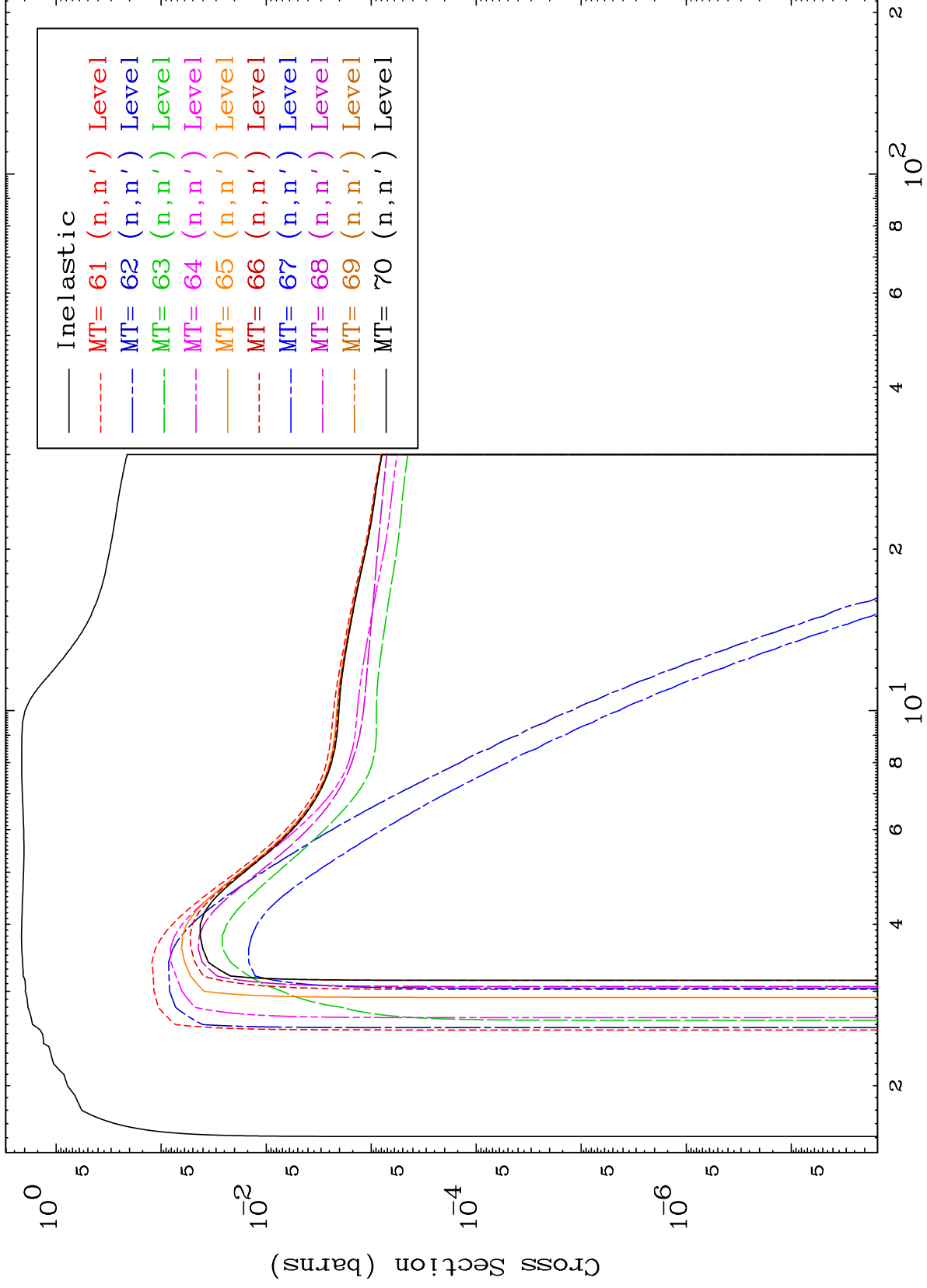
58-Ce-140

MAT 5837

(n,n') Levels

58-Ce-140

293 Kelvin Cross Sections



9

Incident Energy (MeV)

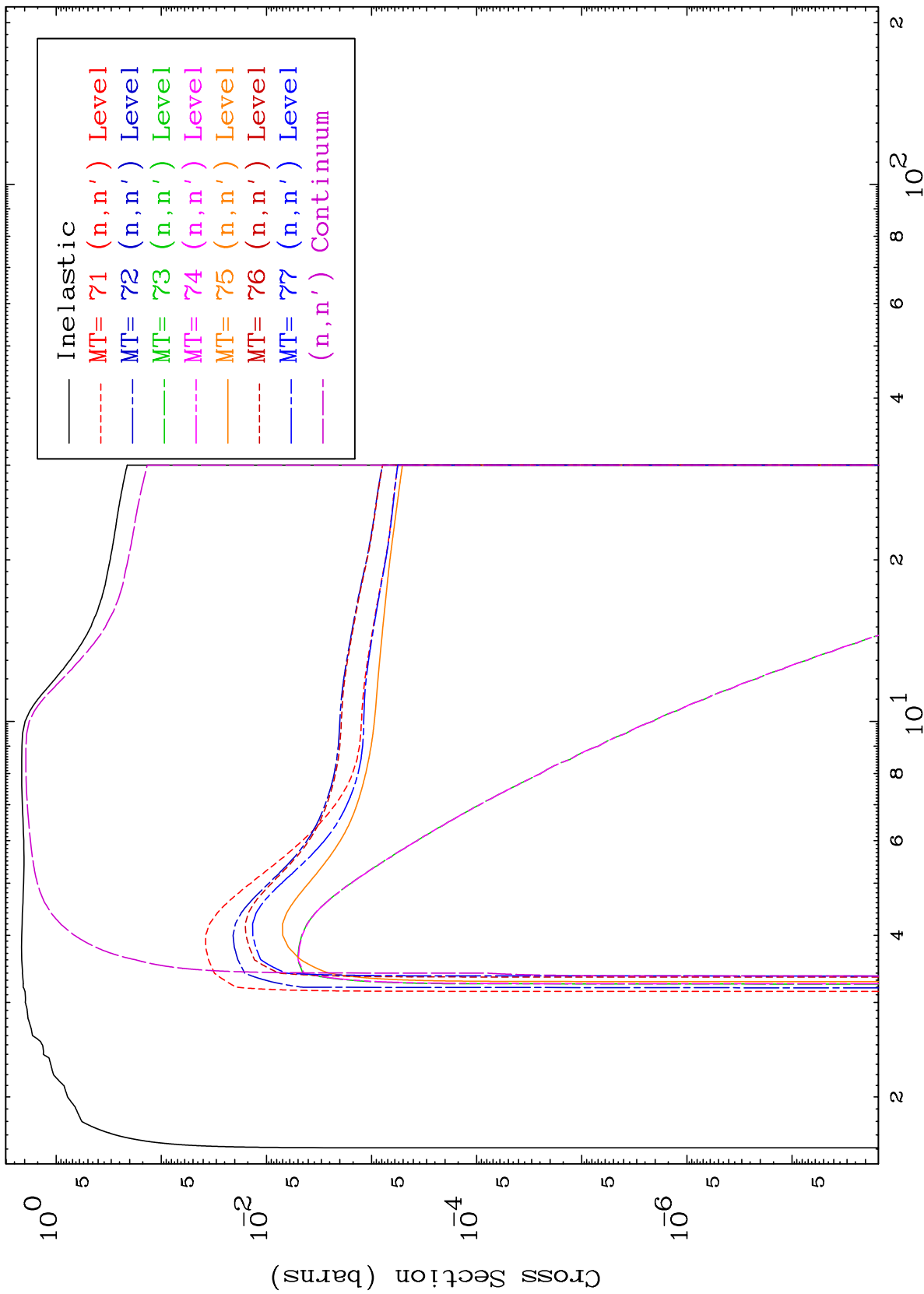
58-Ce-140

MAT 5837

(n,n') Levels

58-Ce-140

293 Kelvins Cross Sections



10

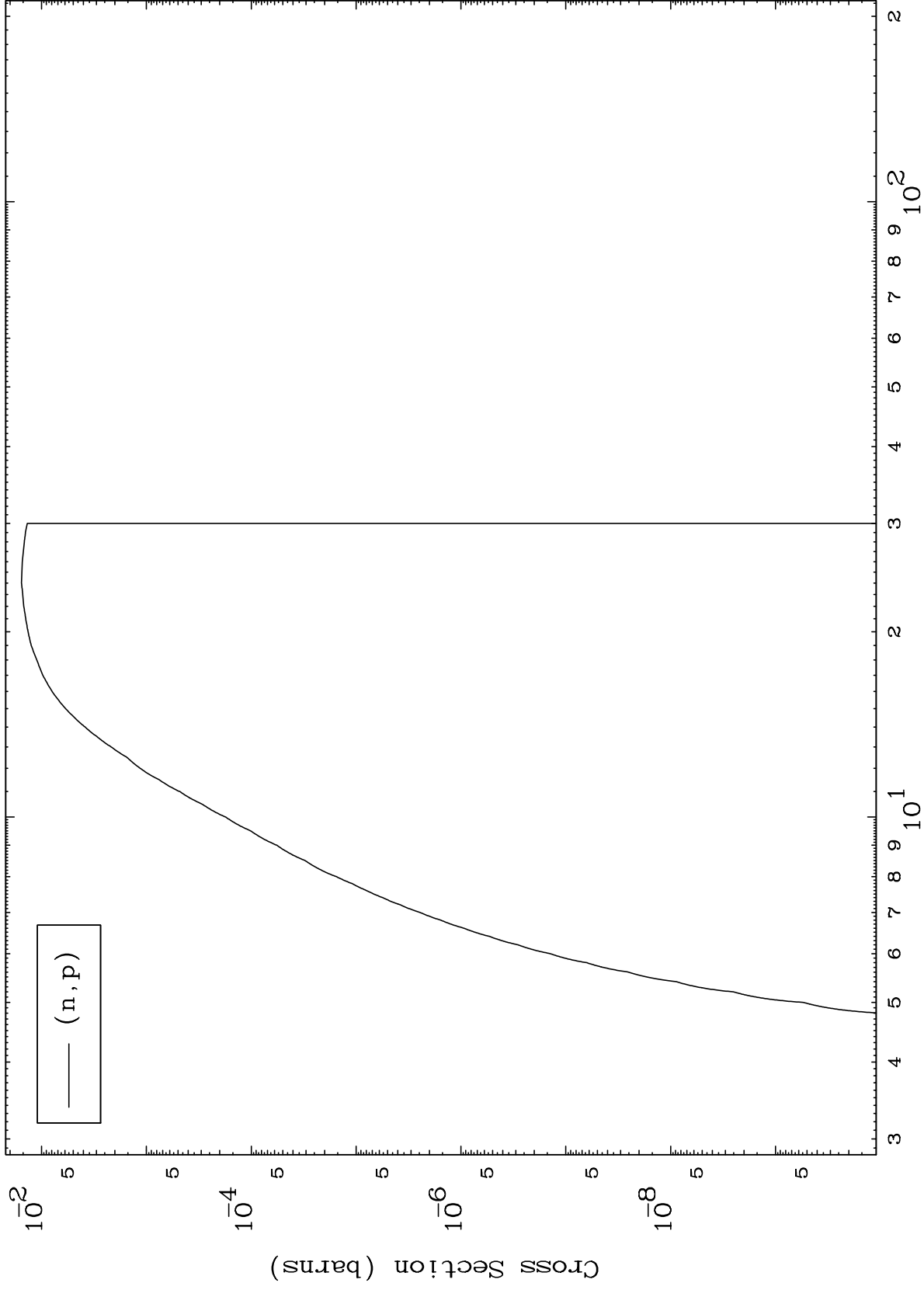
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-140



11

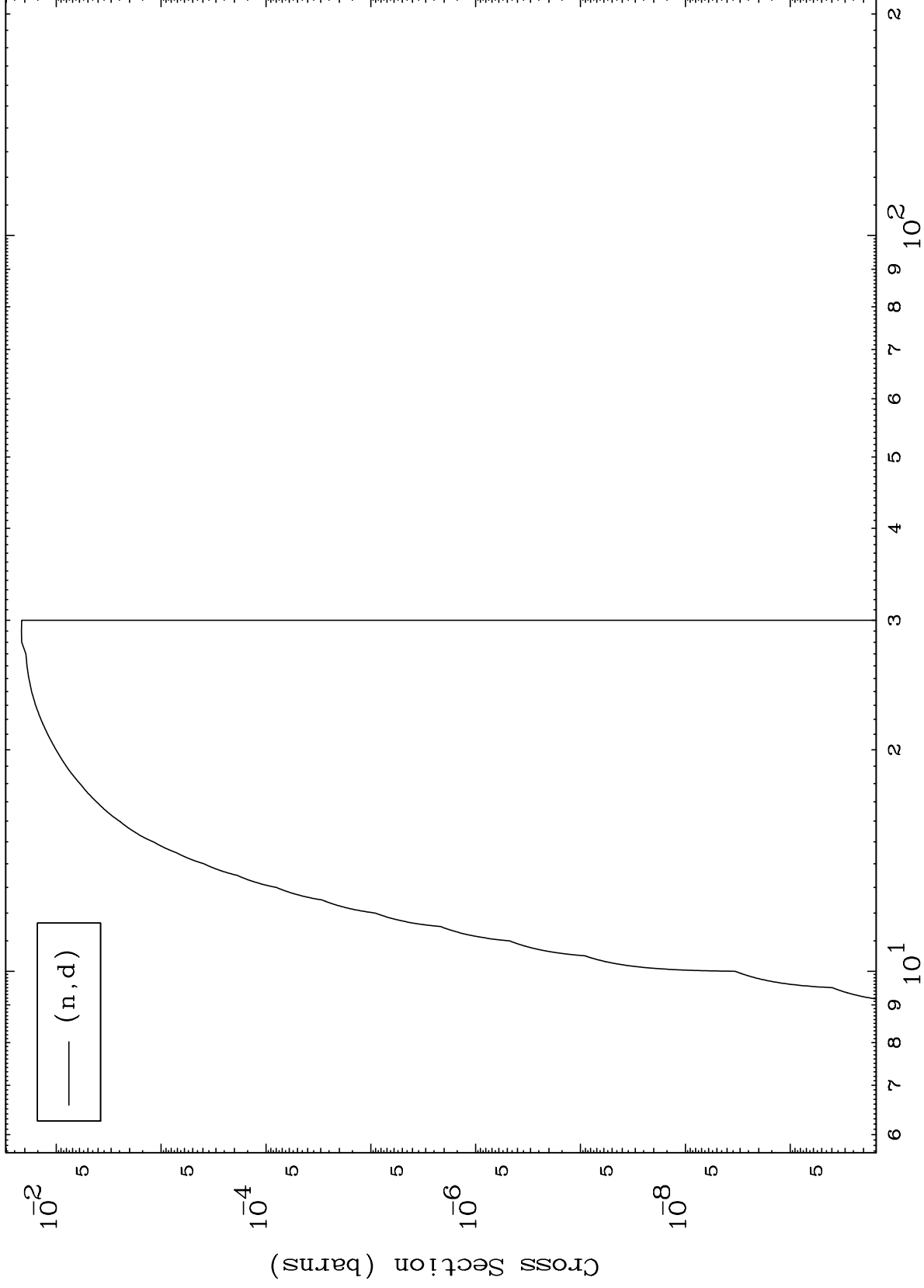
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-140



12

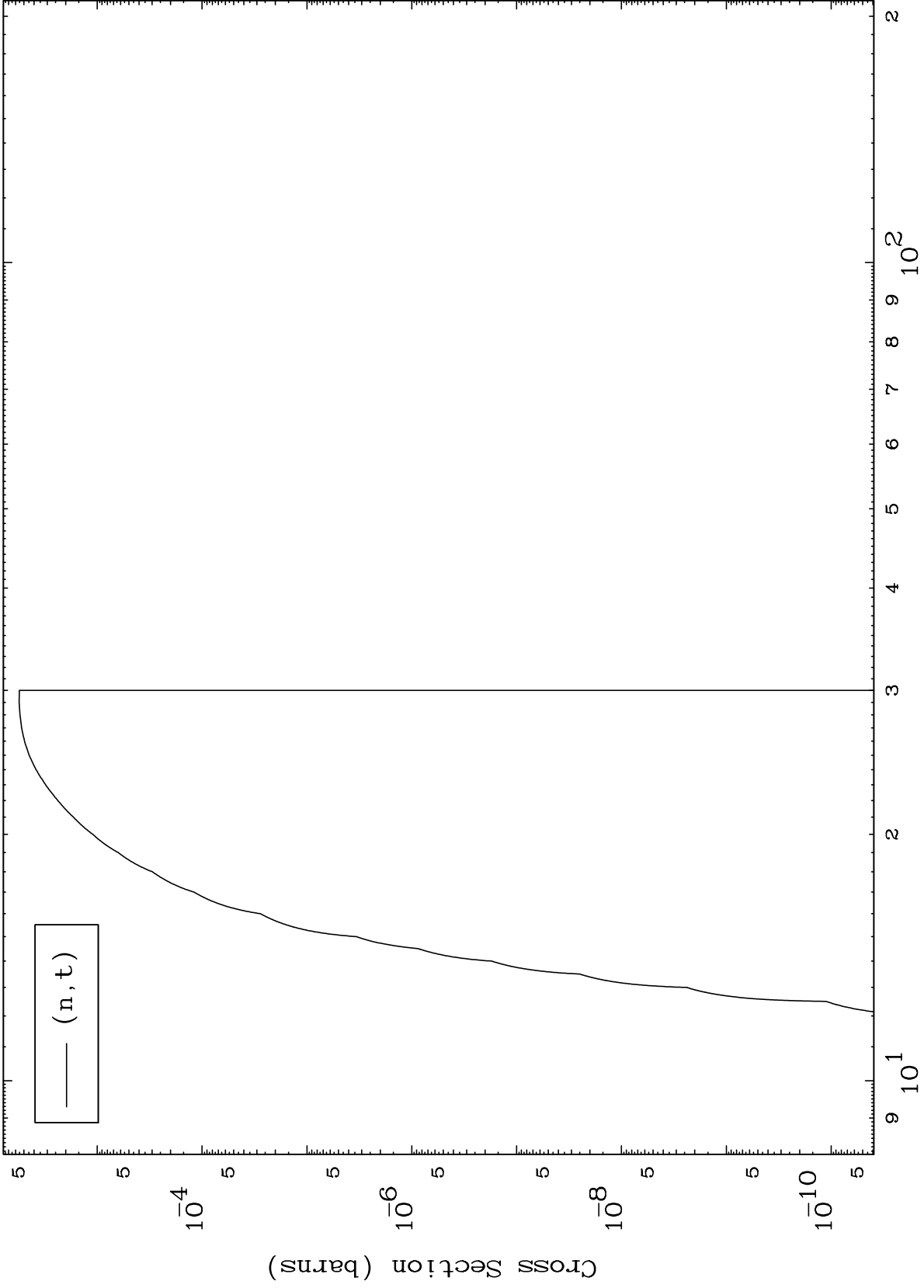
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-140



13

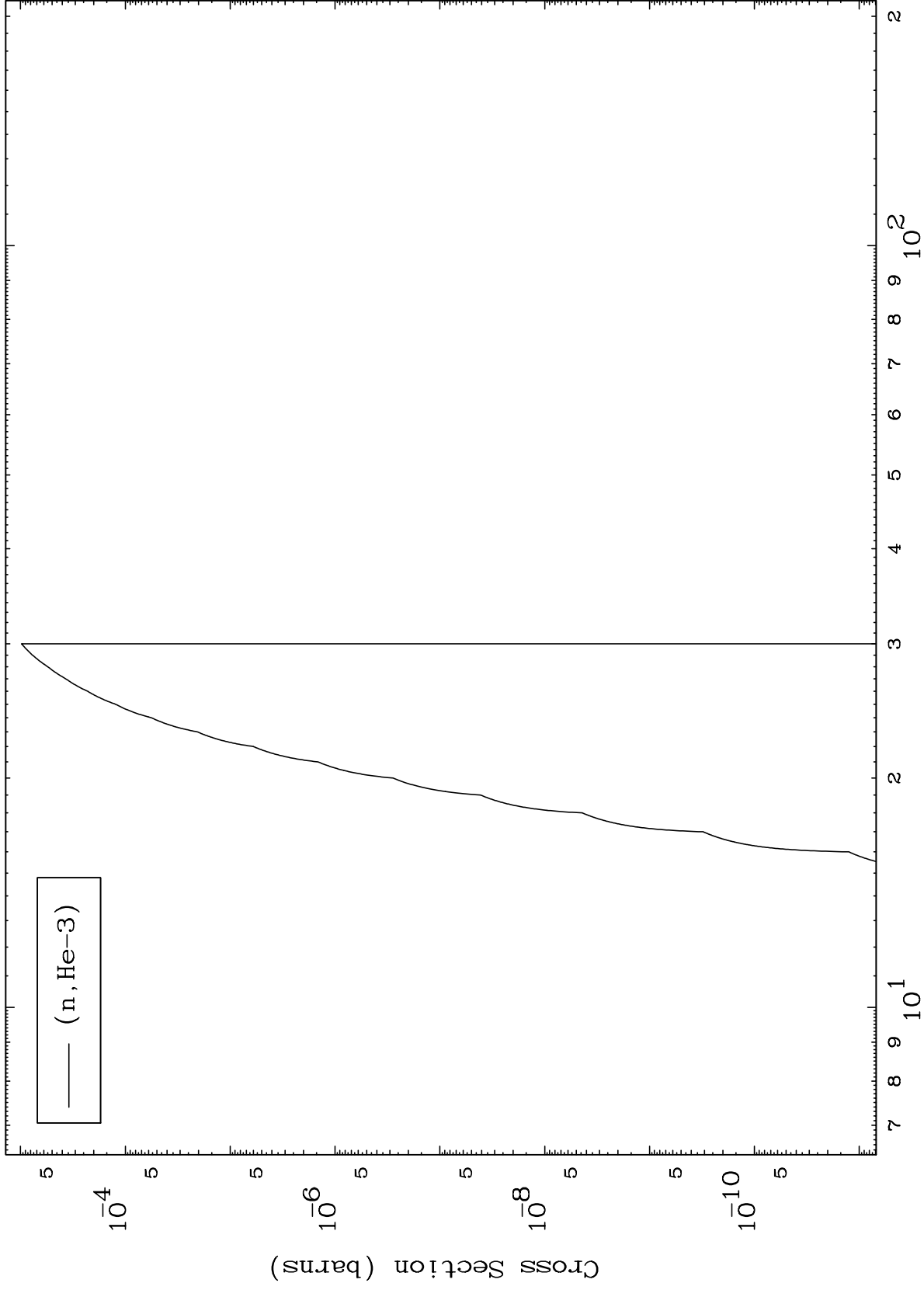
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-140



14

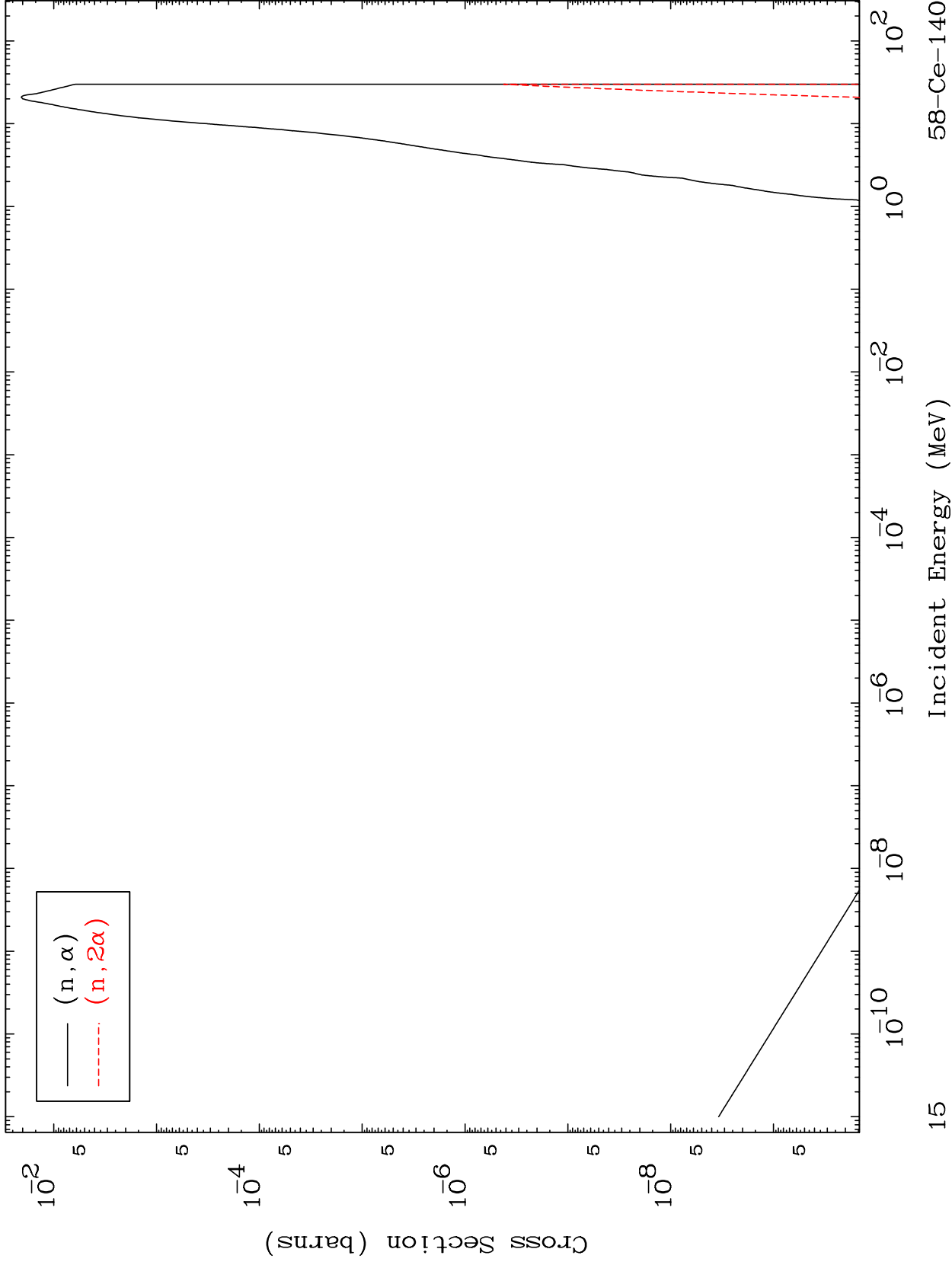
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-140

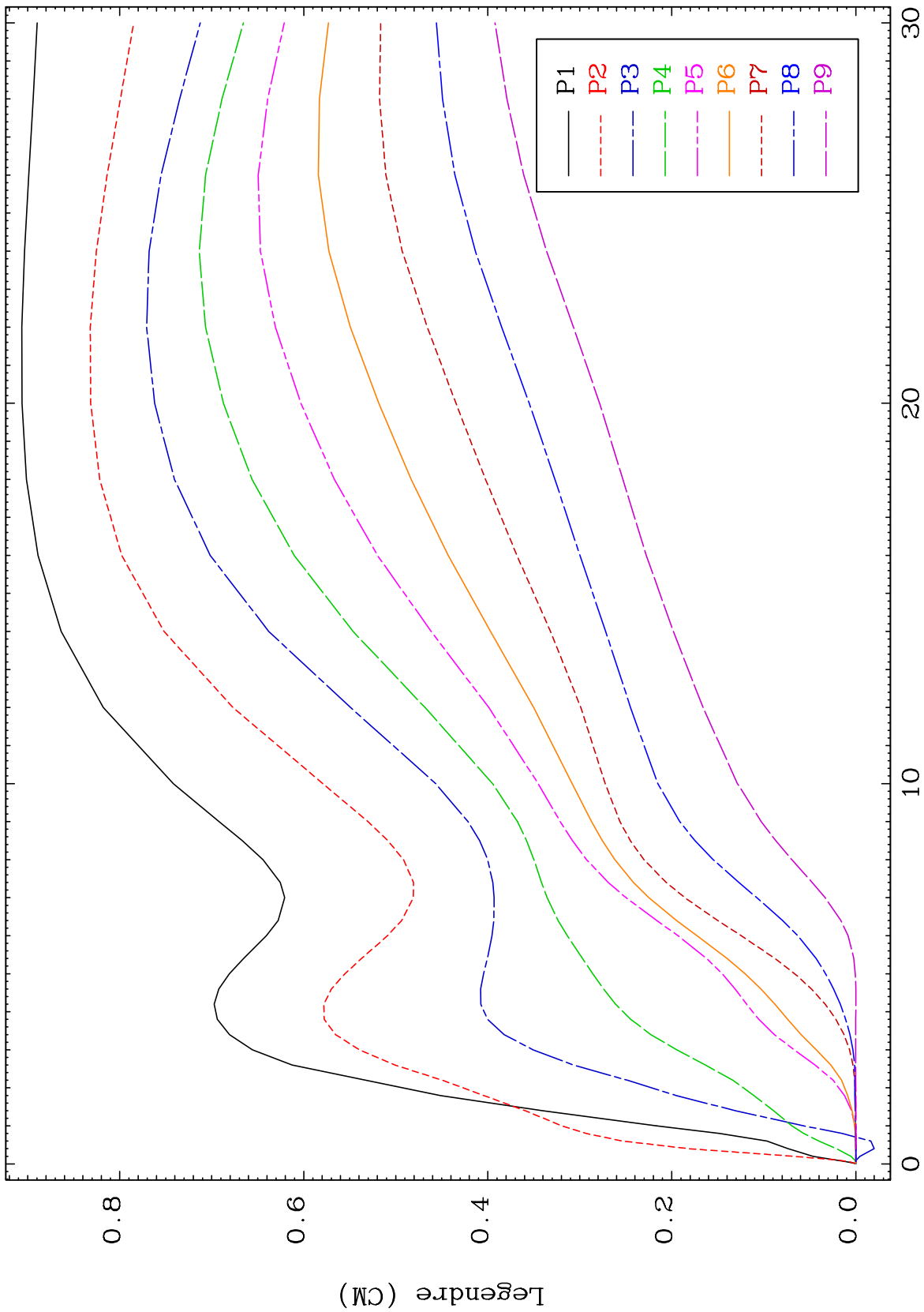


15

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



16

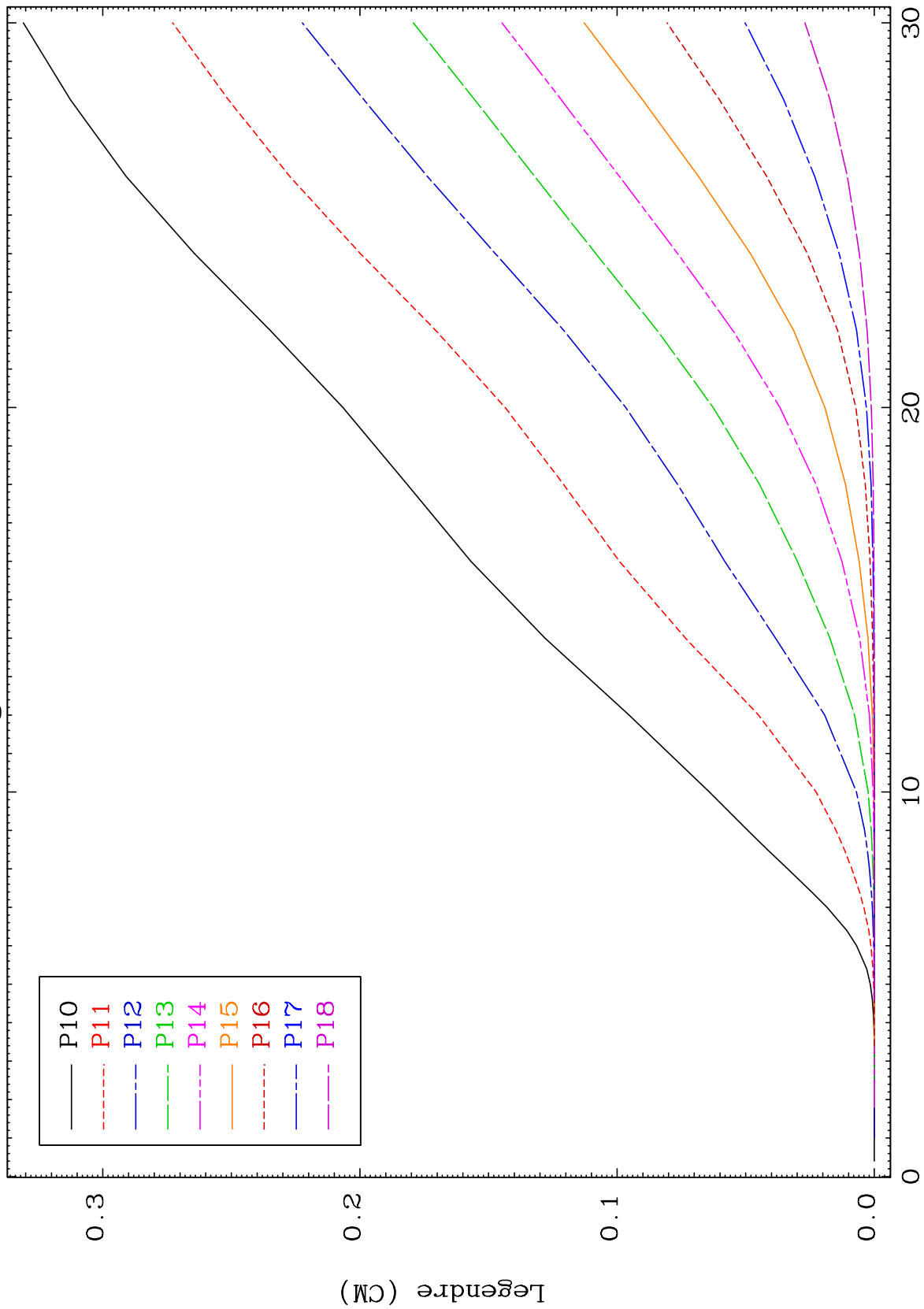
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



17

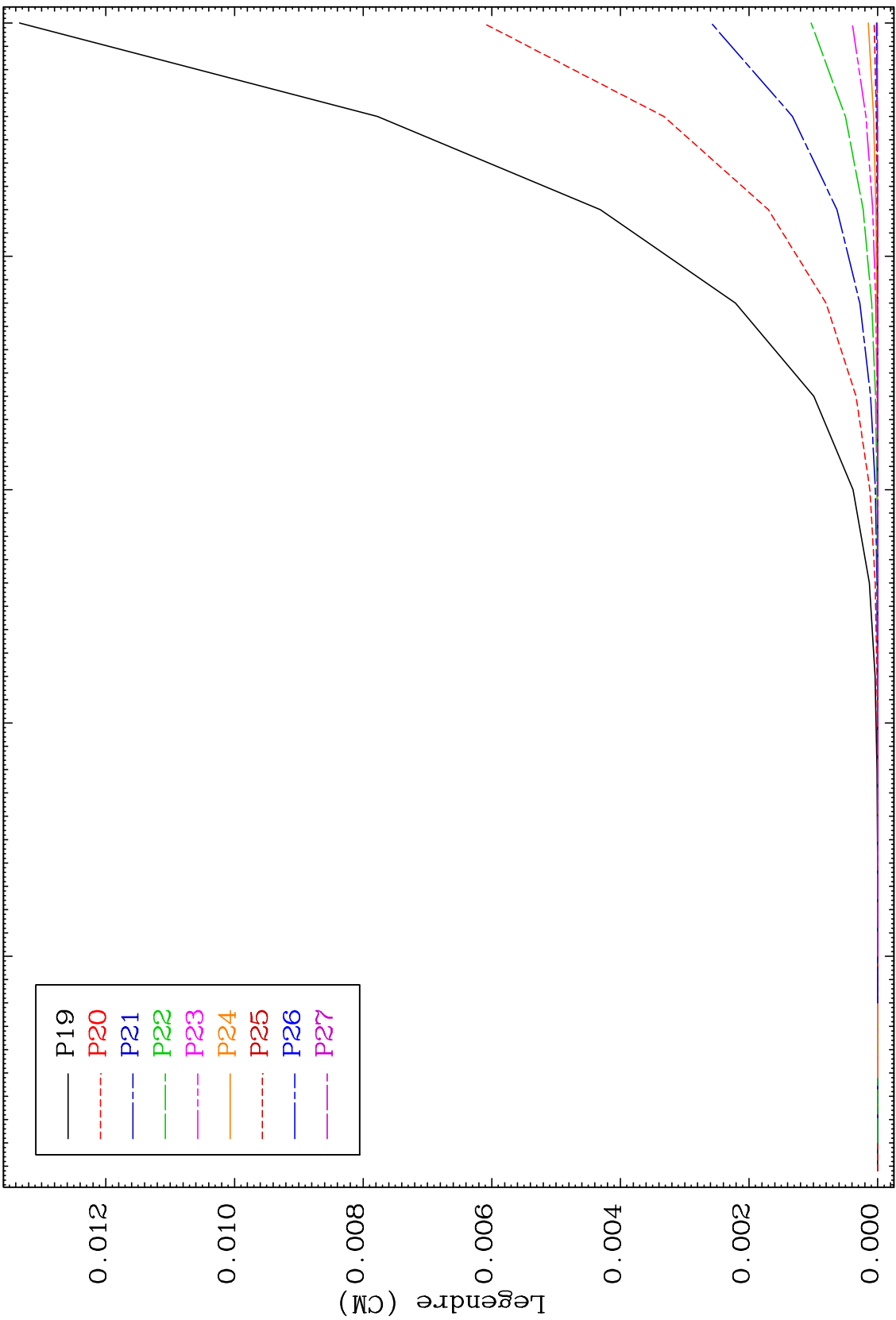
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



18

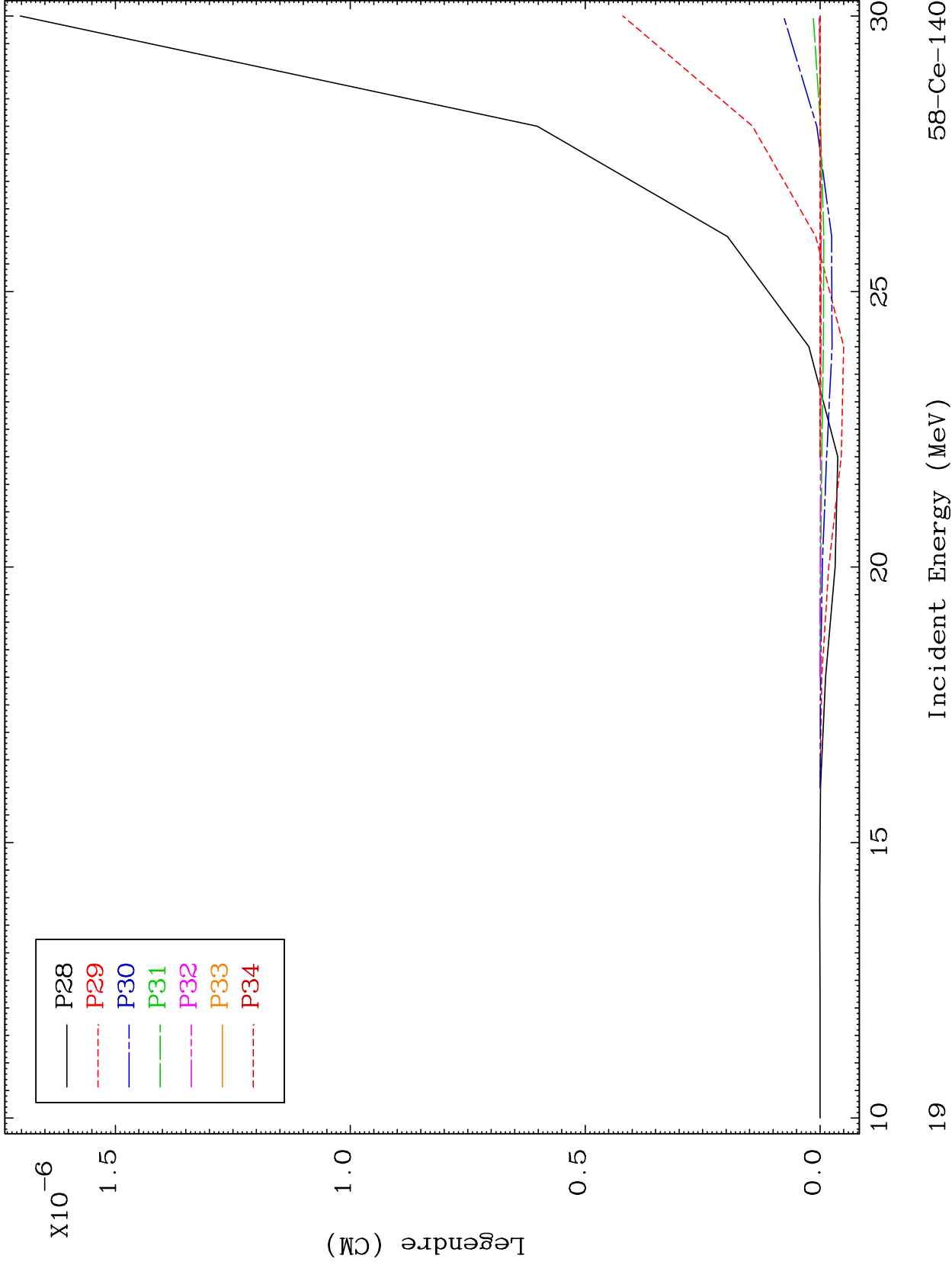
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



19

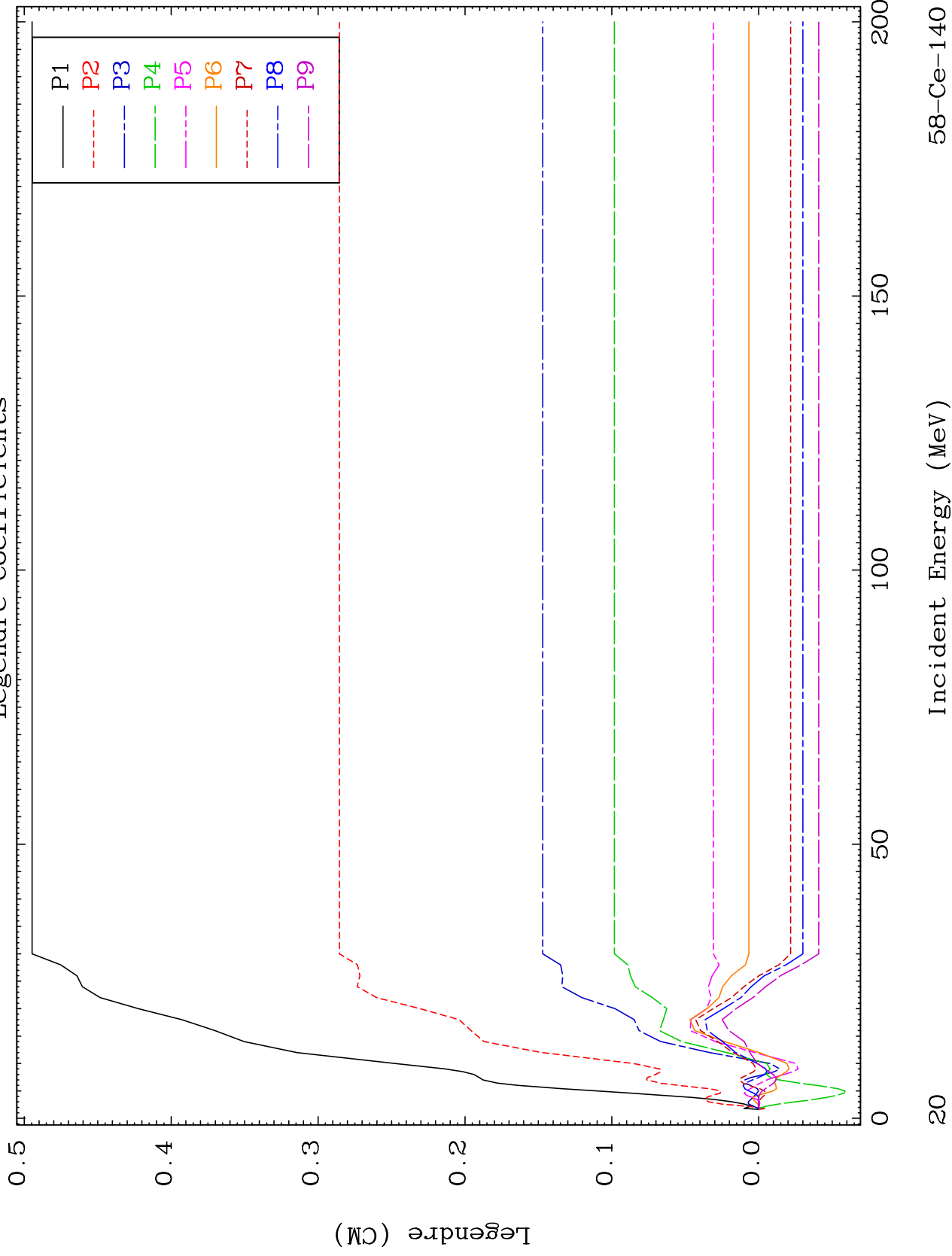
Incident Energy (MeV)

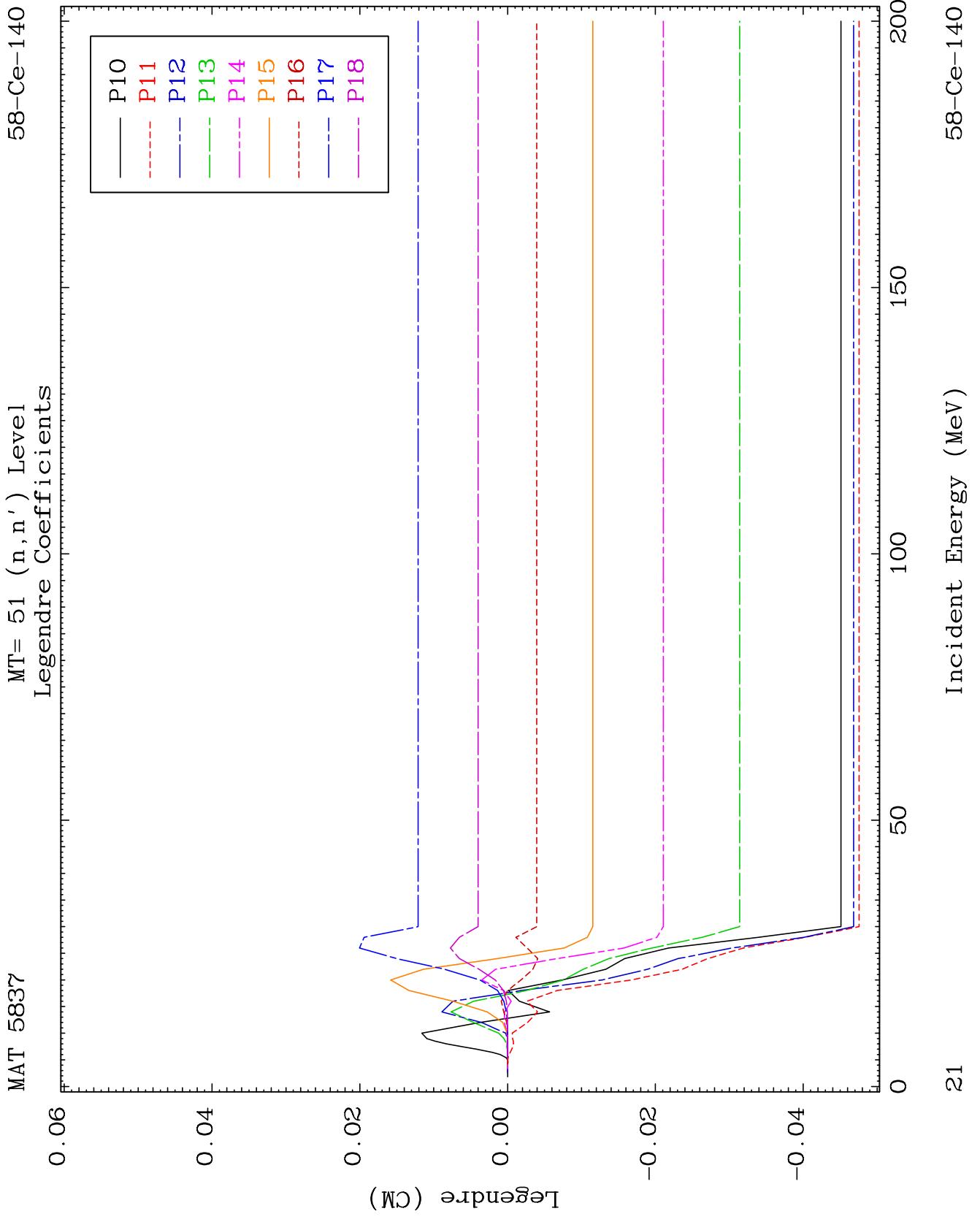
58-Ce-140

MAT 5837

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

58-Ce-140

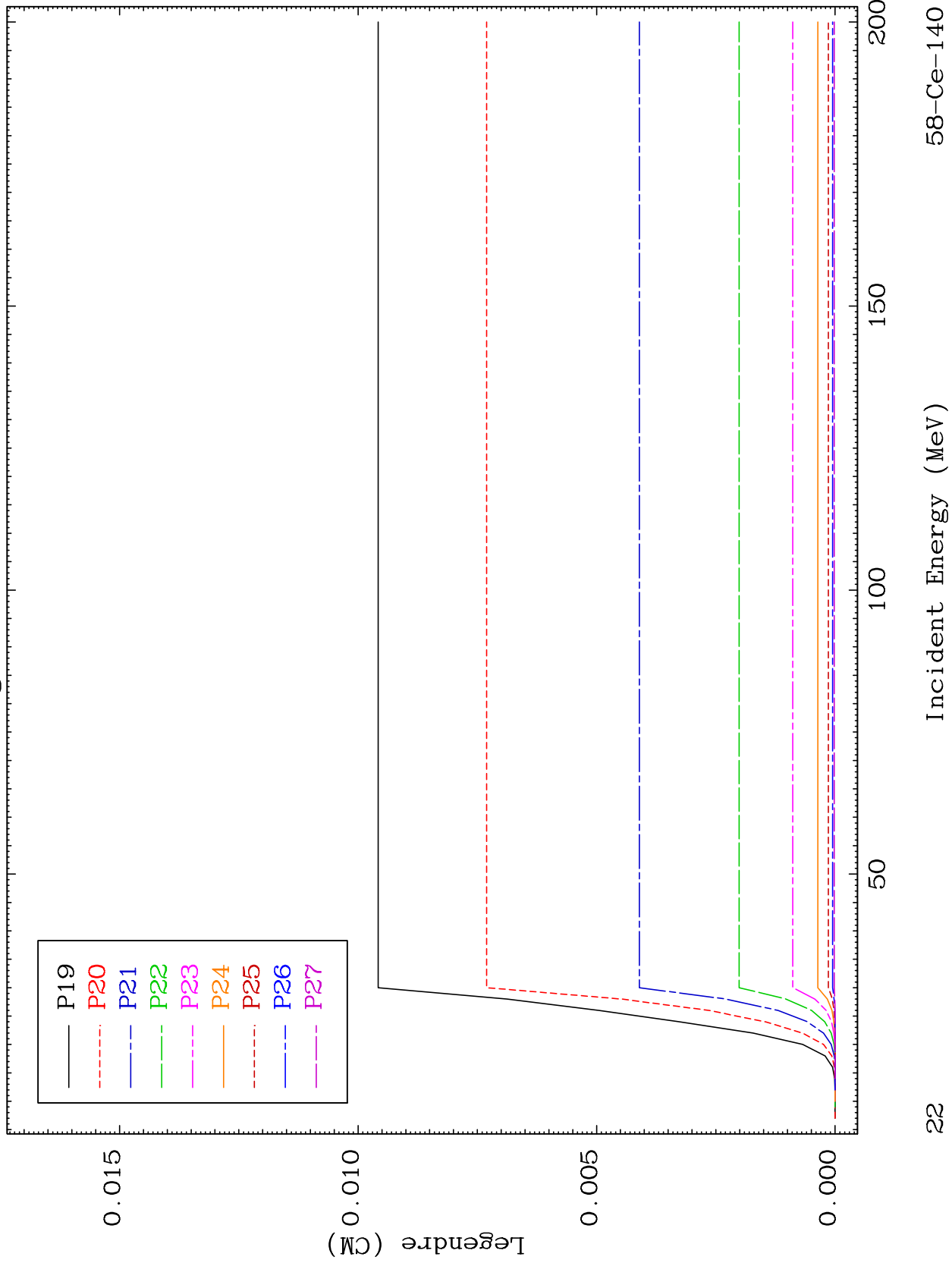




MAT 5837

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

58-Ce-140



22

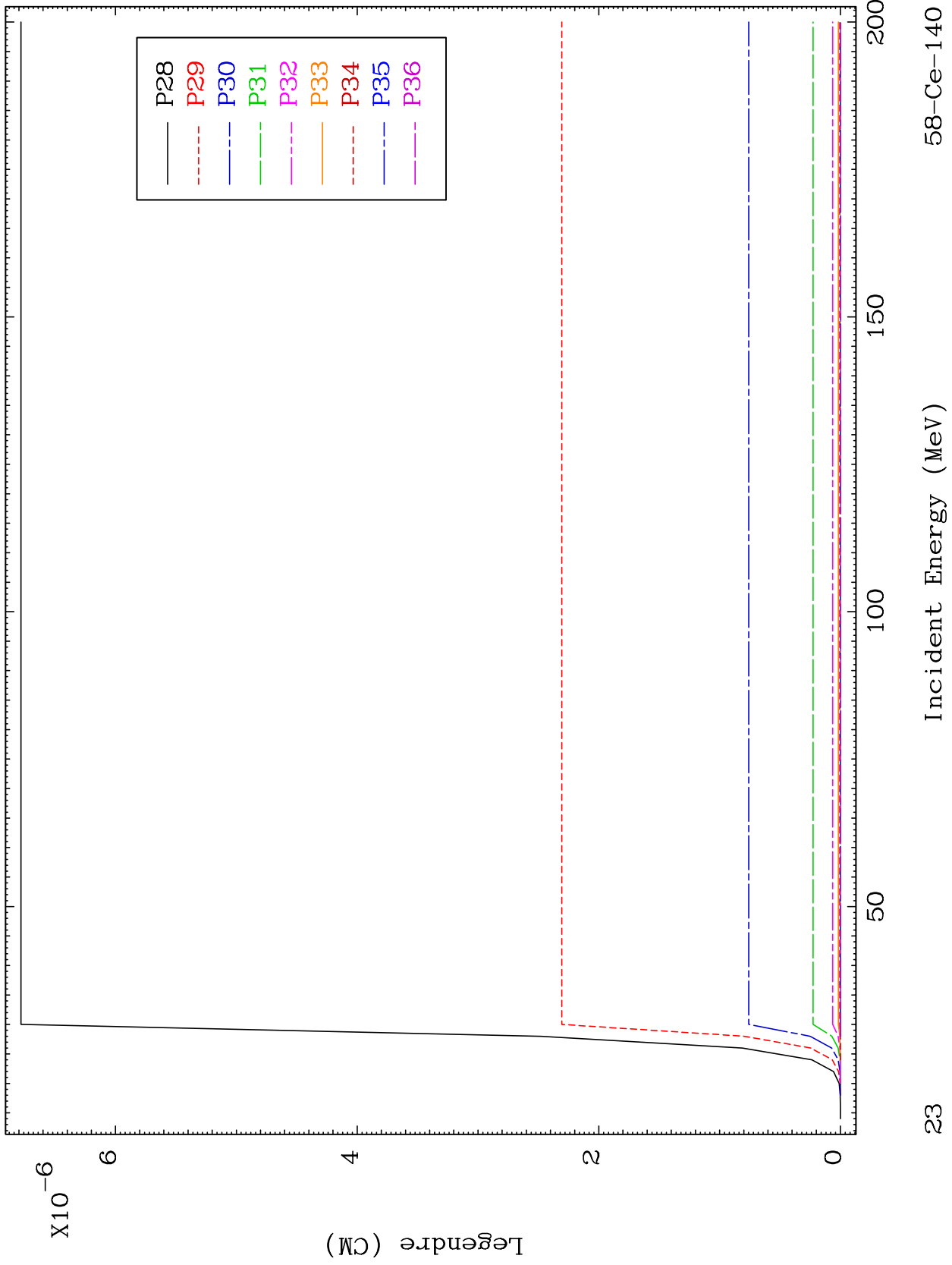
Incident Energy (MeV)

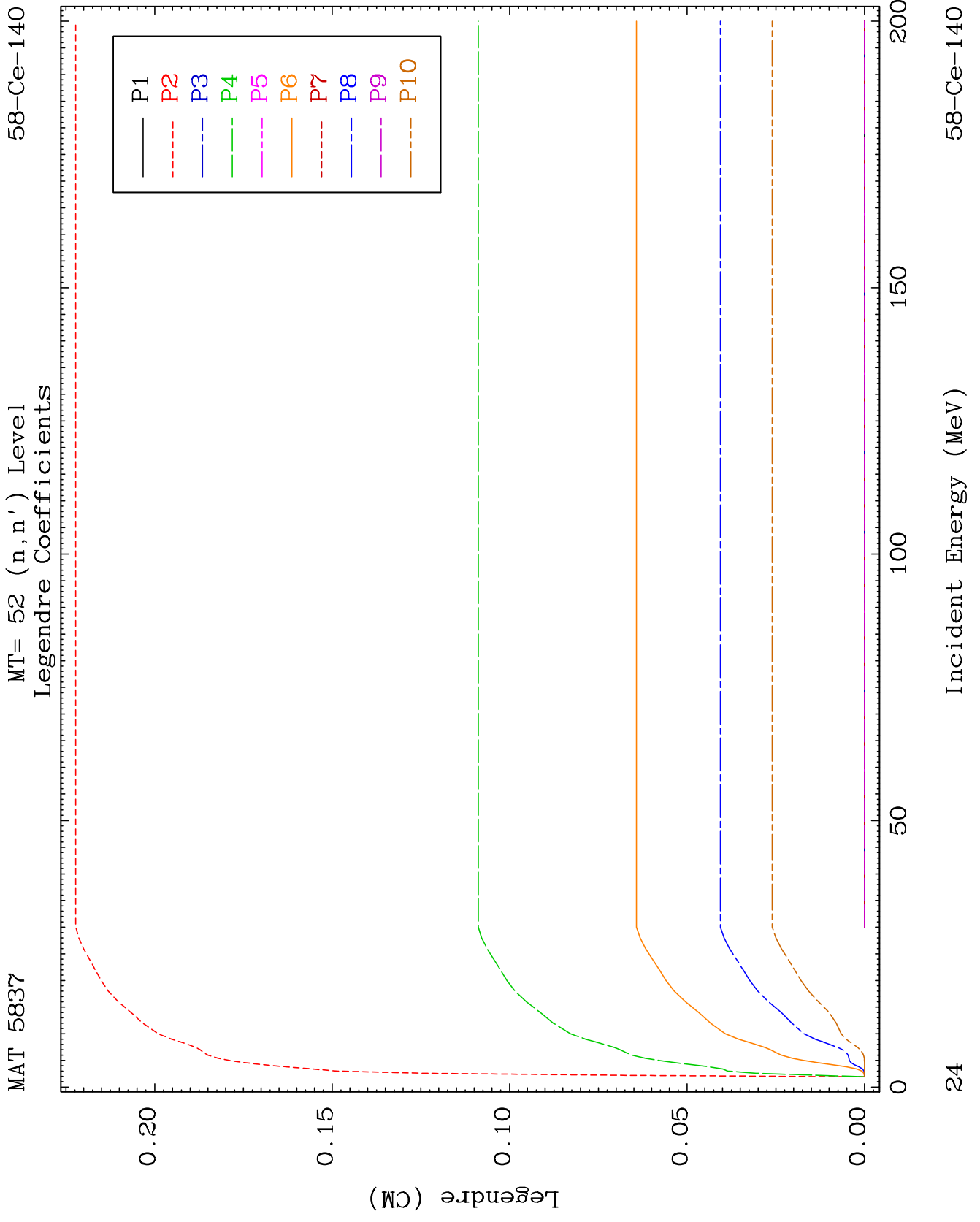
58-Ce-140

MAT 5837

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

58-Ce-140

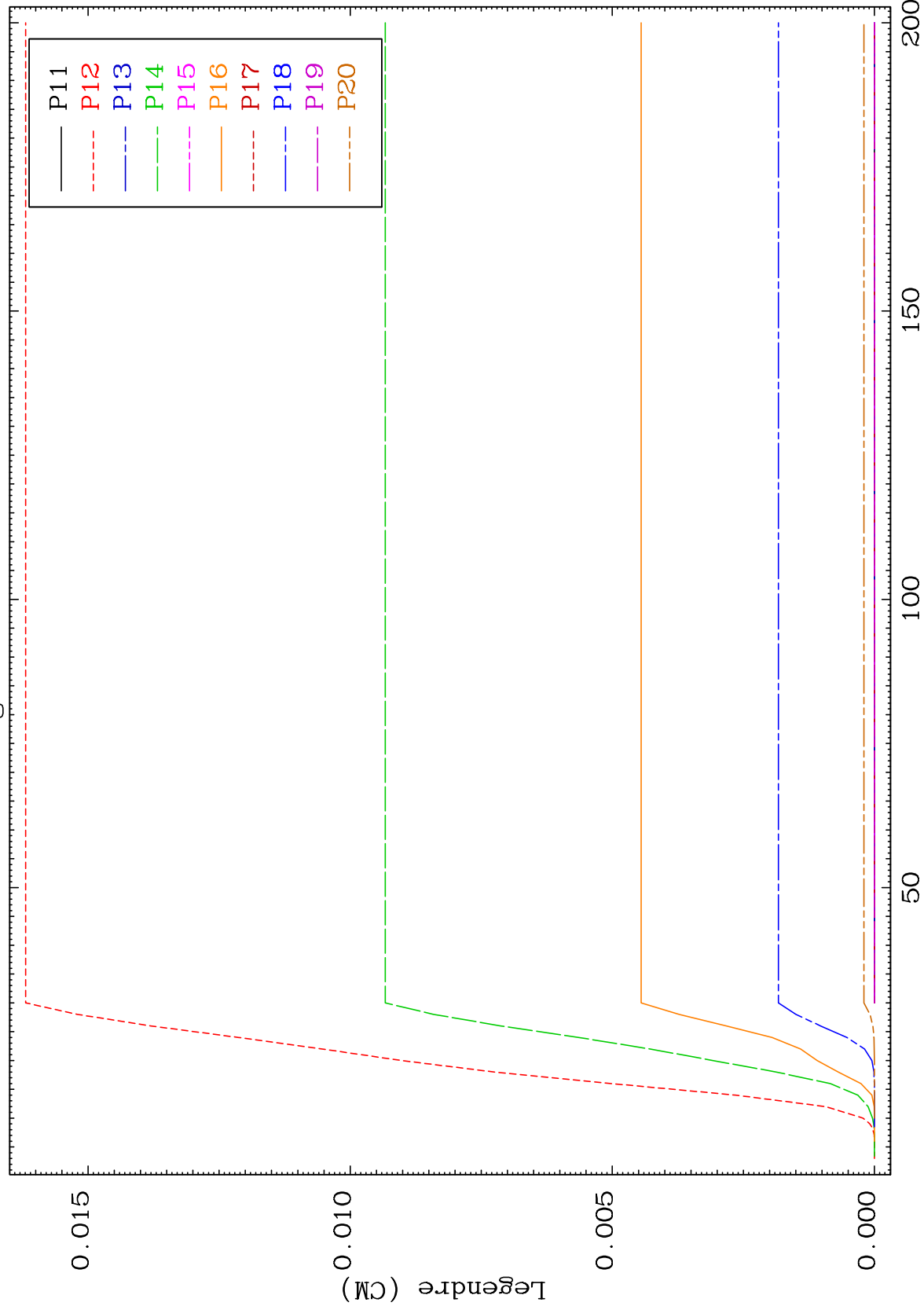




MAT 5837

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

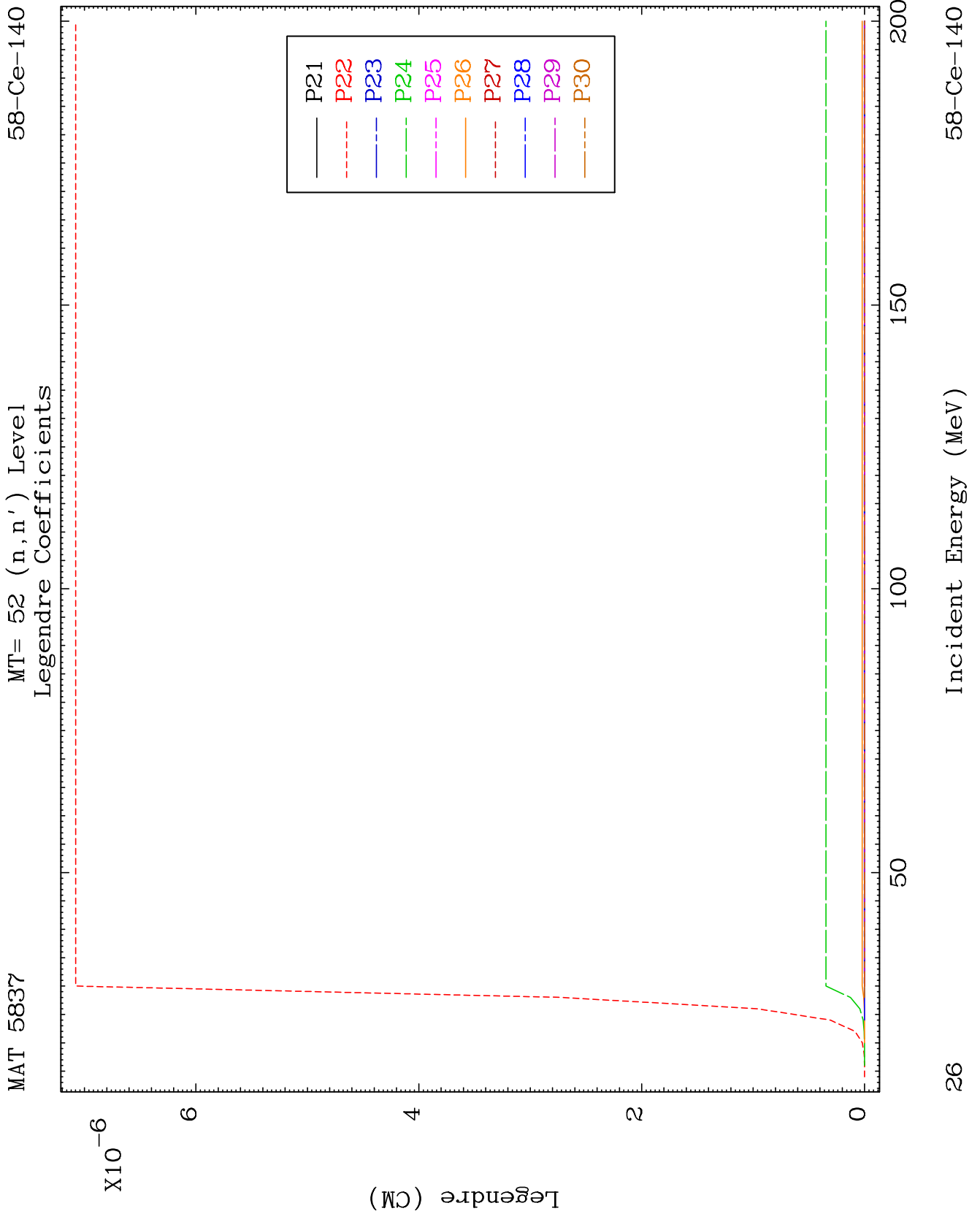
58-Ce-140



25

Incident Energy (MeV)

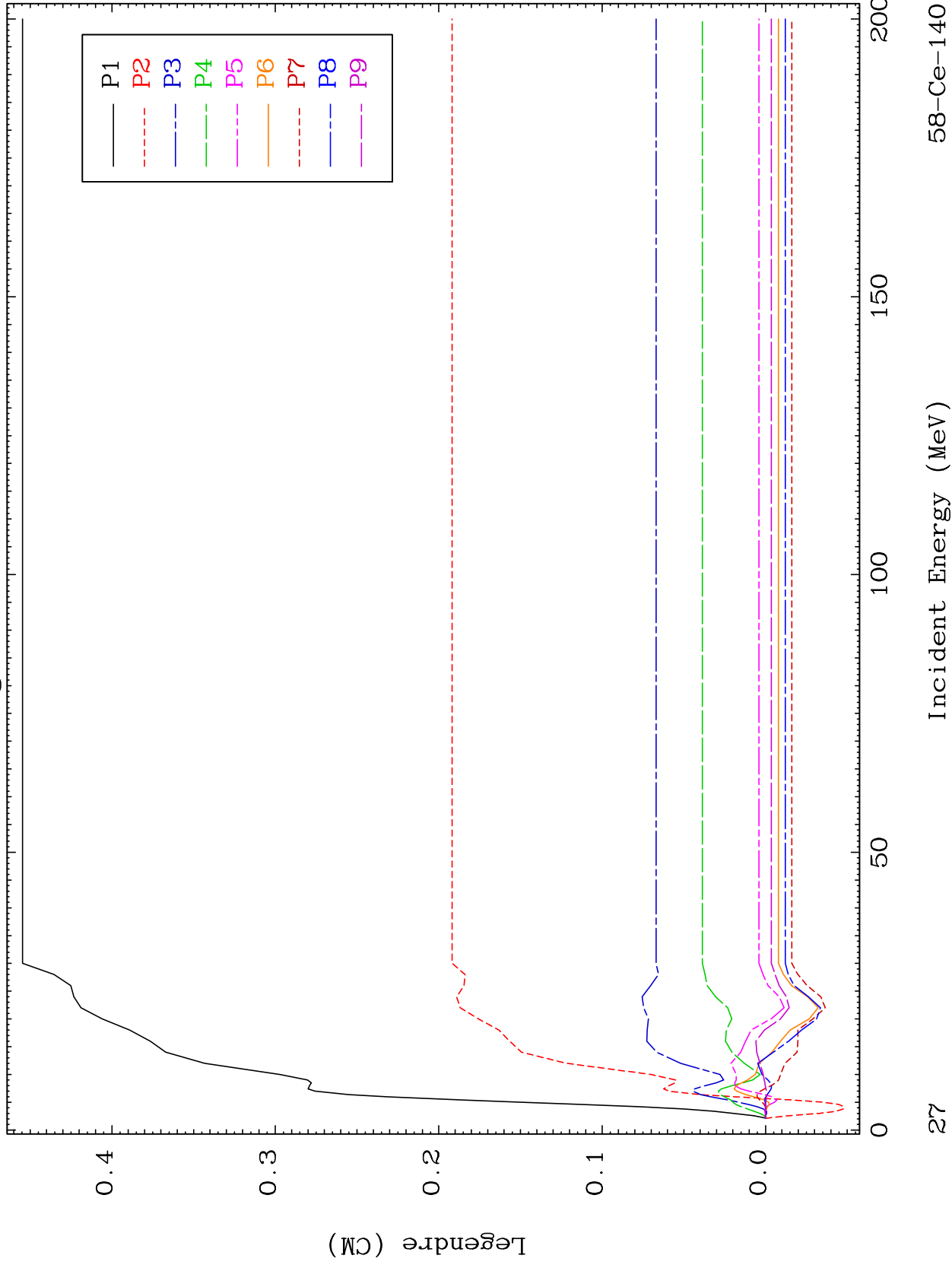
58-Ce-140



MAT 5837

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

58-Ce-140



27

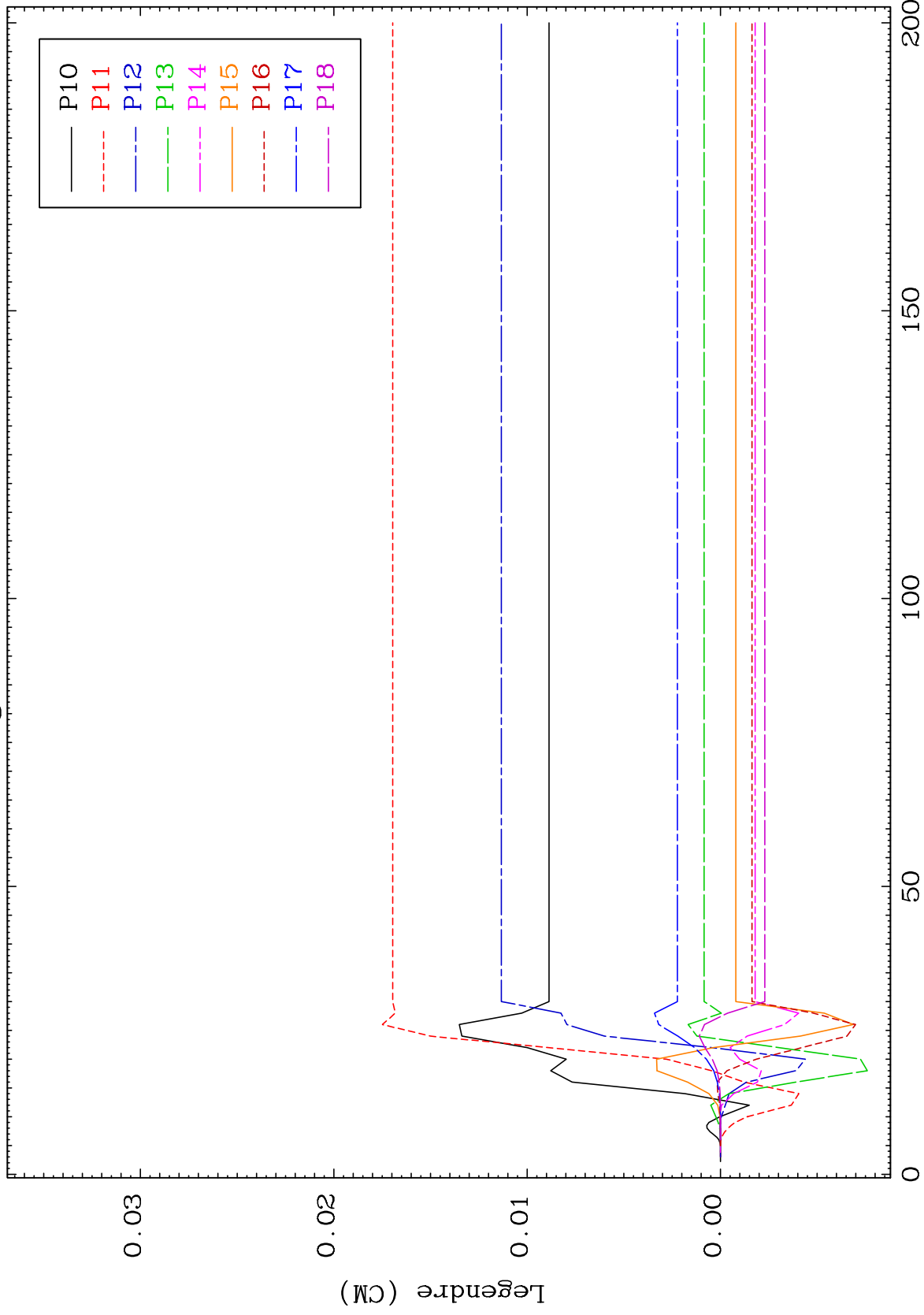
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

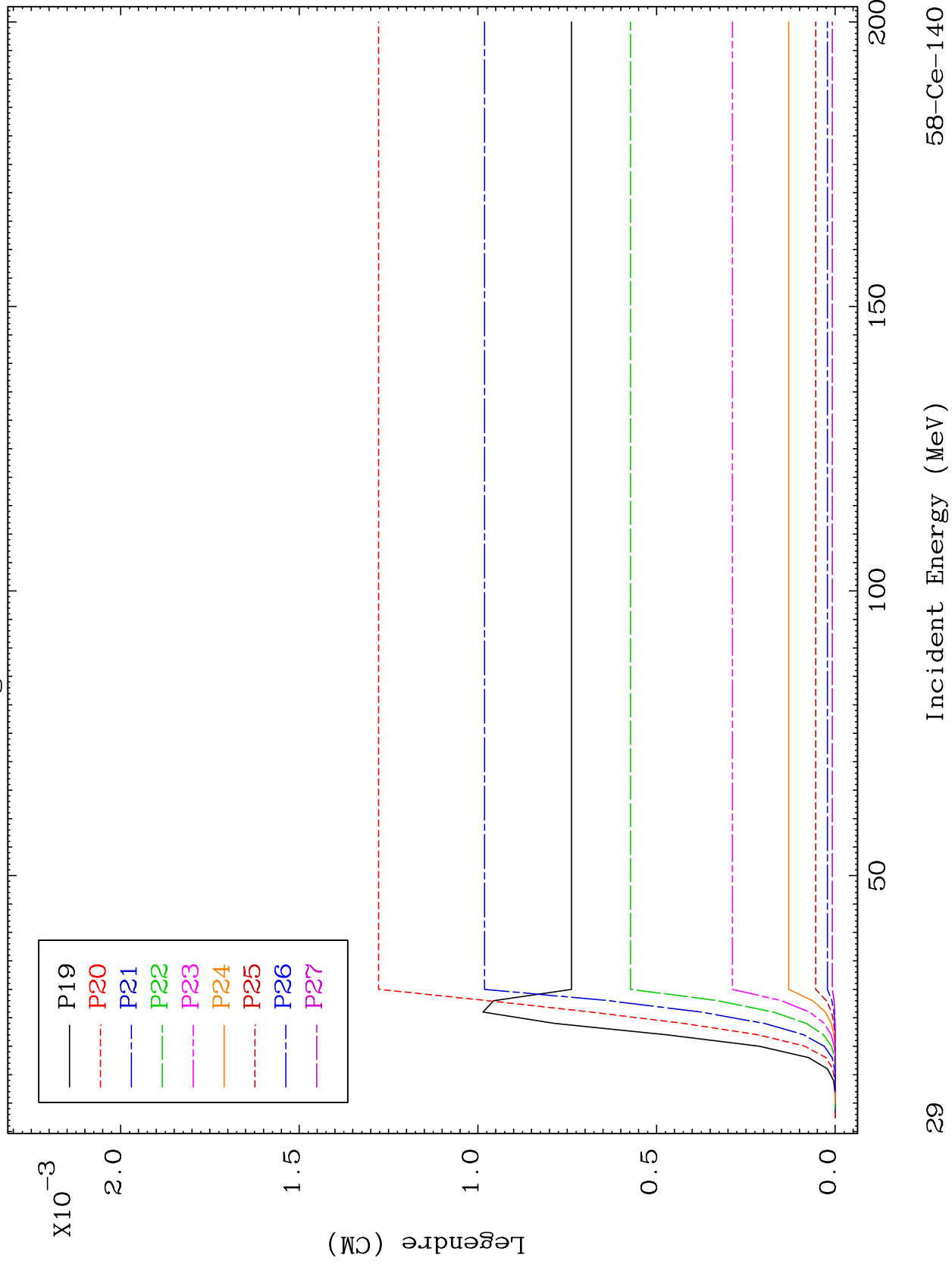
Incident Energy (MeV)

28

MAT 5837

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

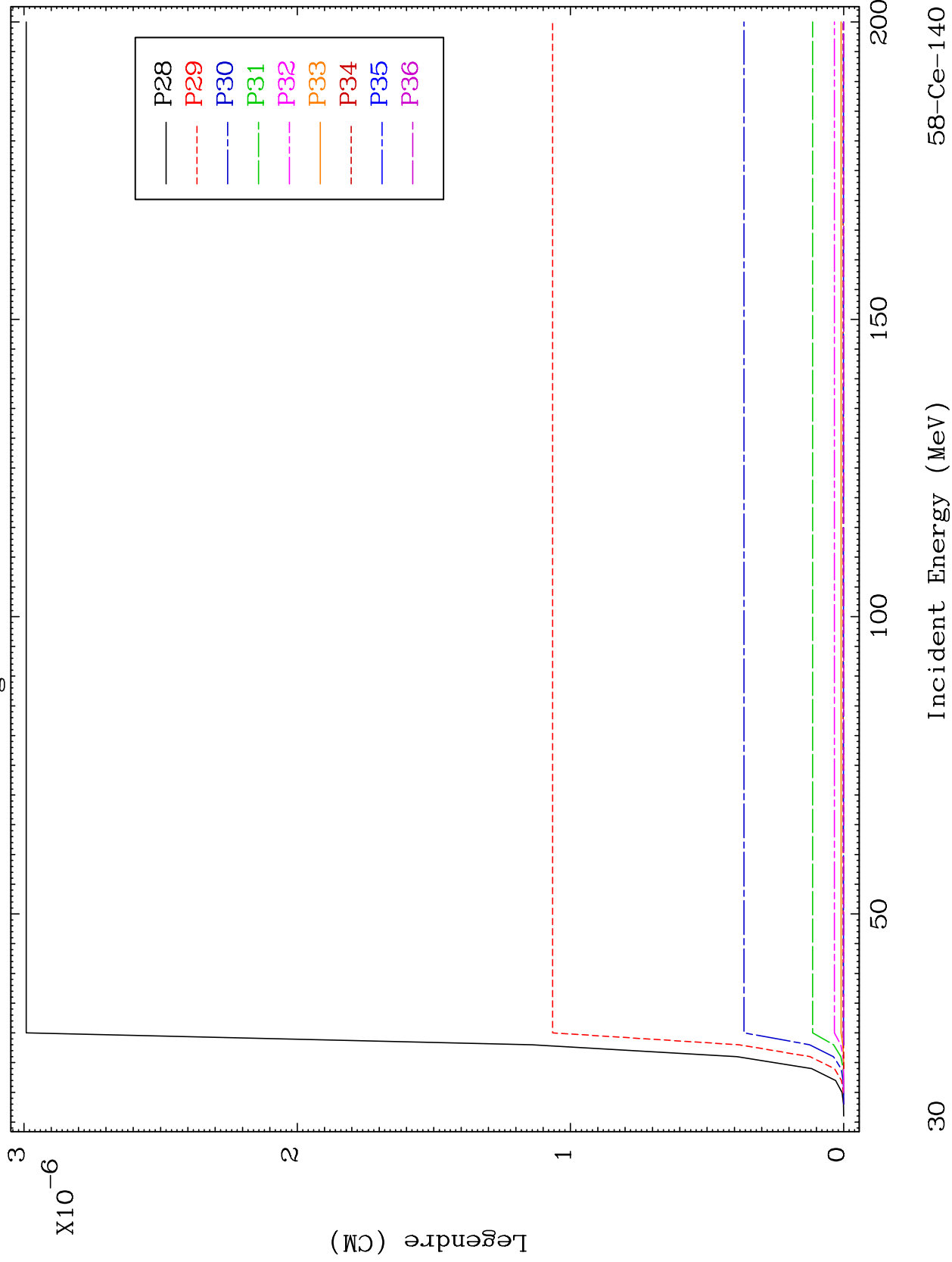
58-Ce-140



MAT 5837

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

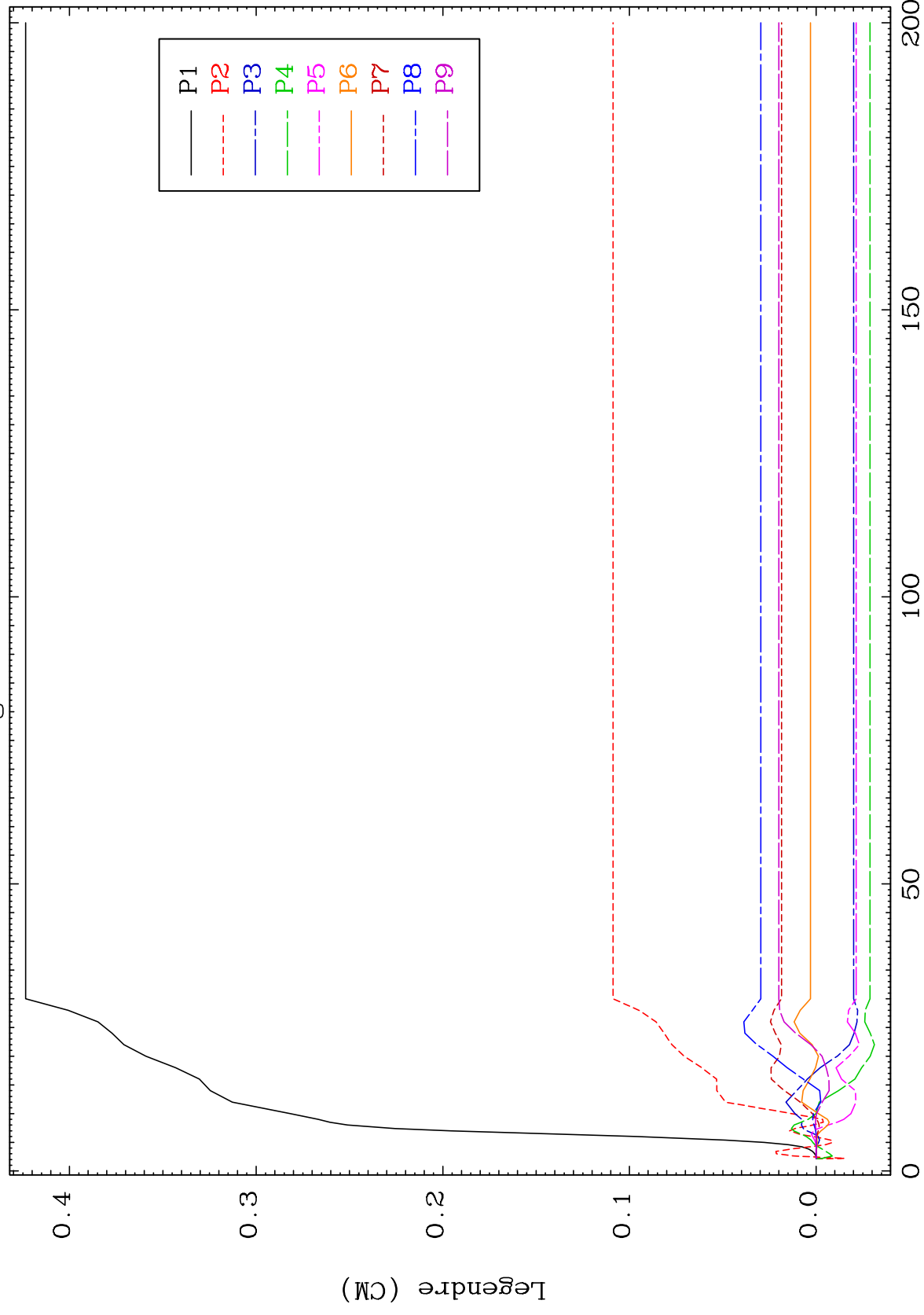
58-Ce-140



MAT 5837

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

58-Ce-140



31

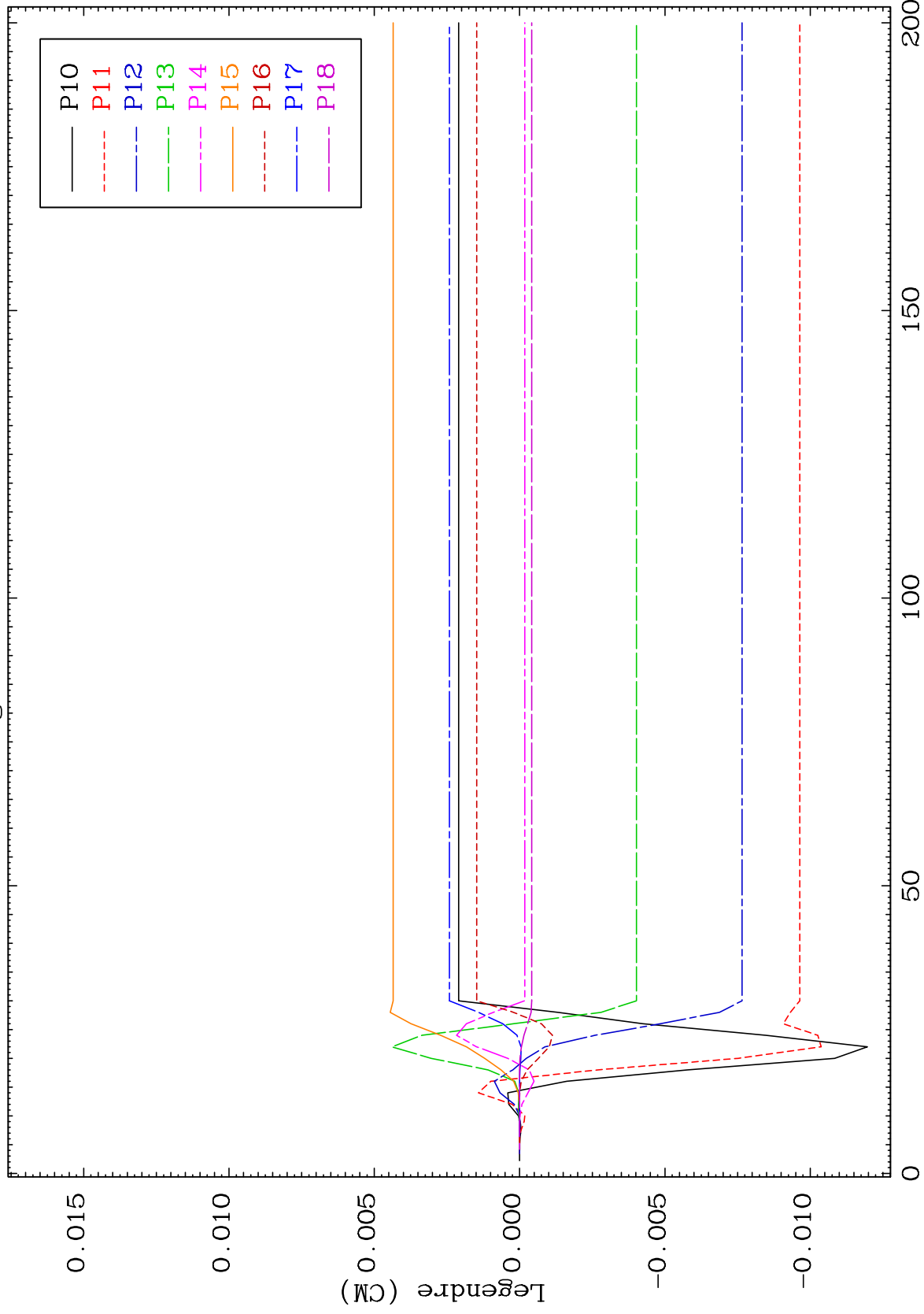
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



32

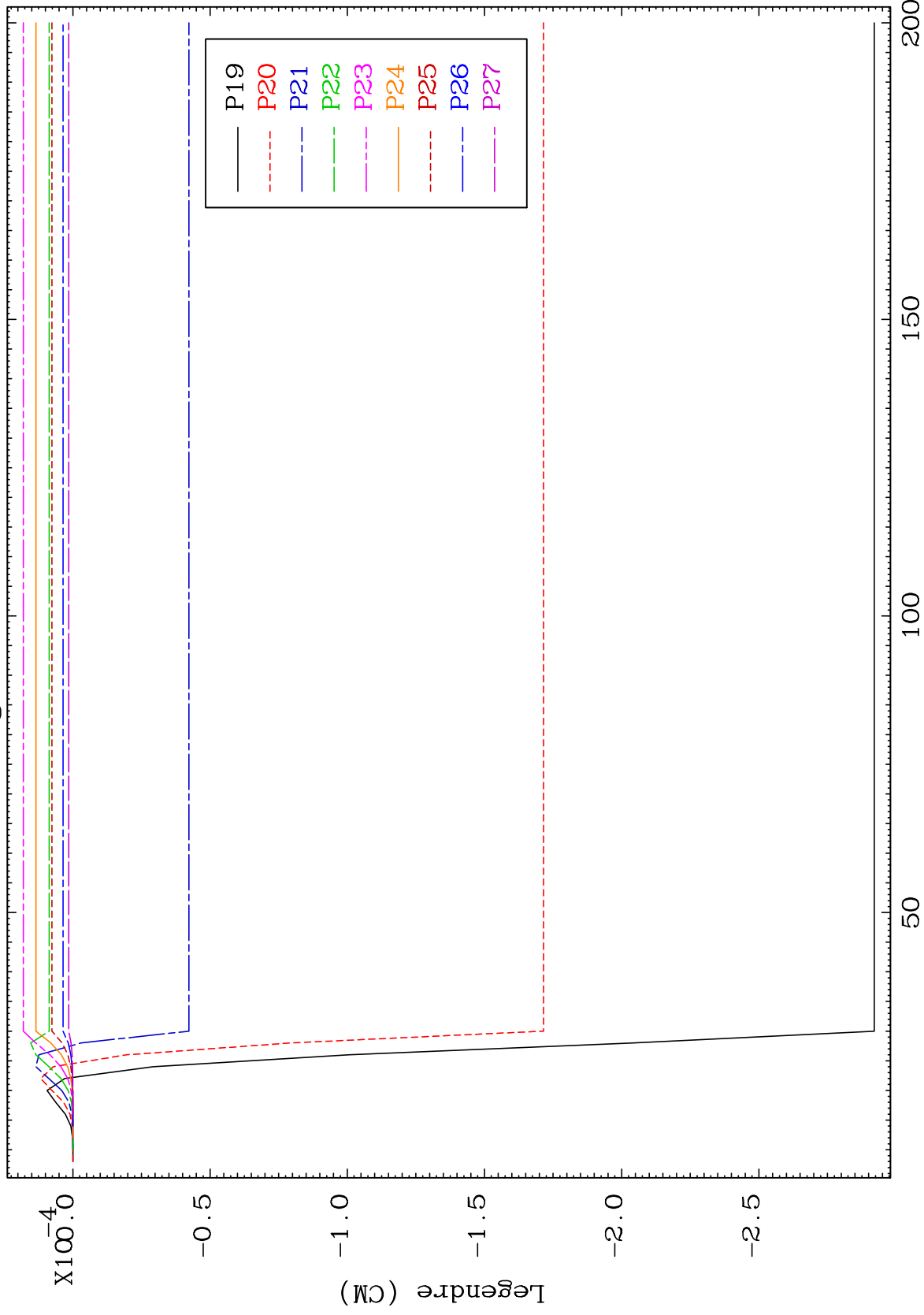
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

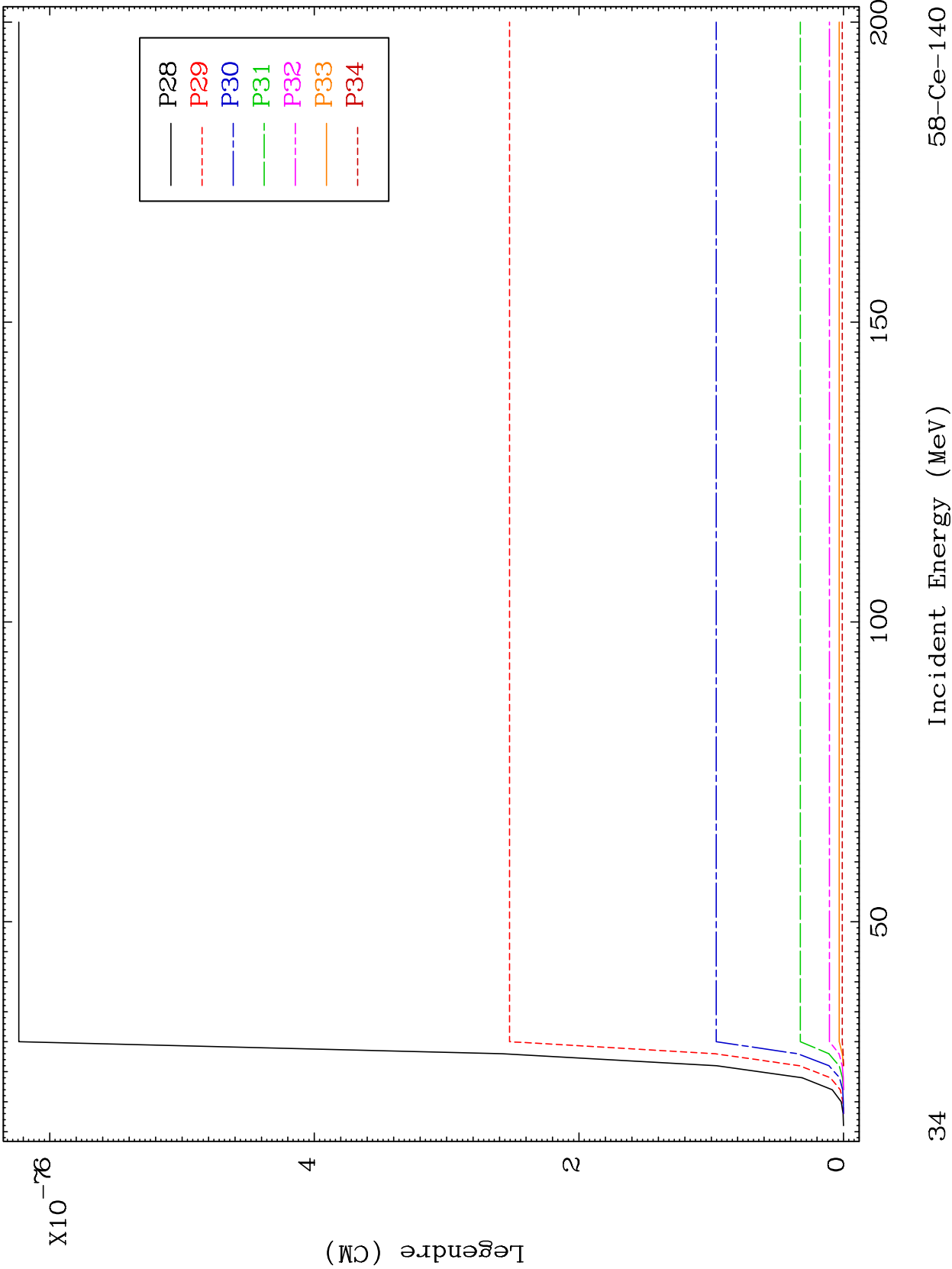
58-Ce-140



MAT 5837

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

58-Ce-140



34

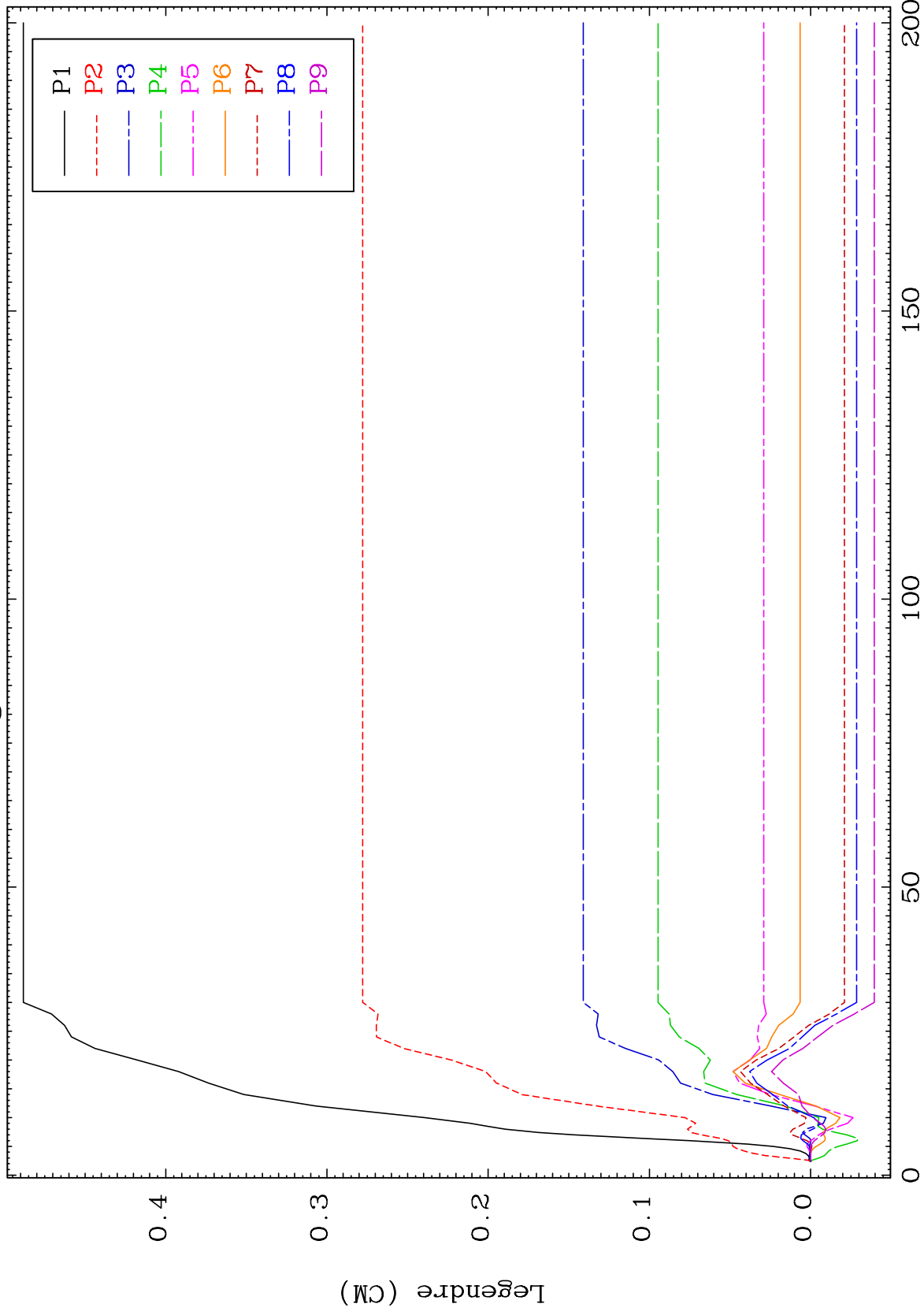
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



35

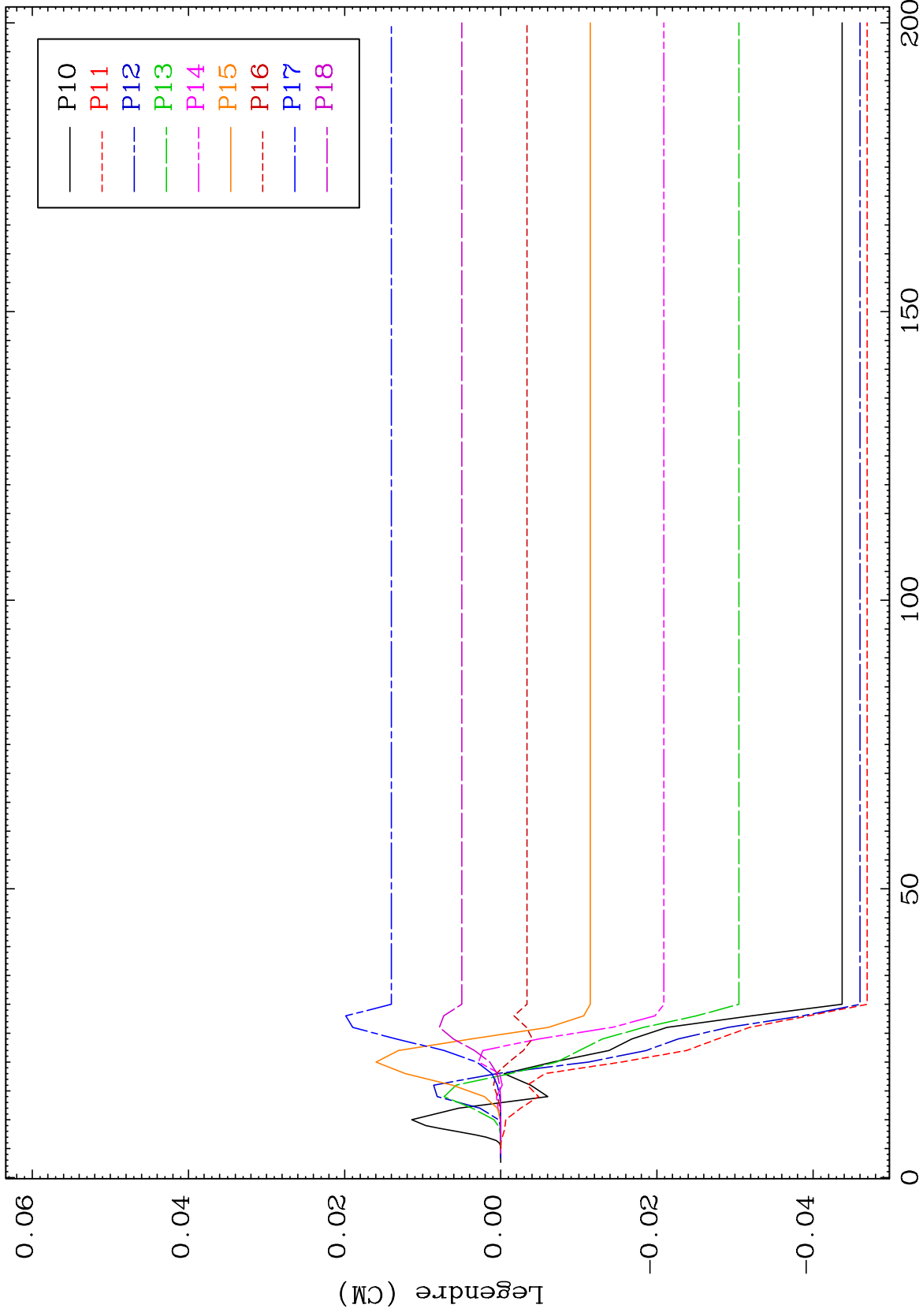
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



36

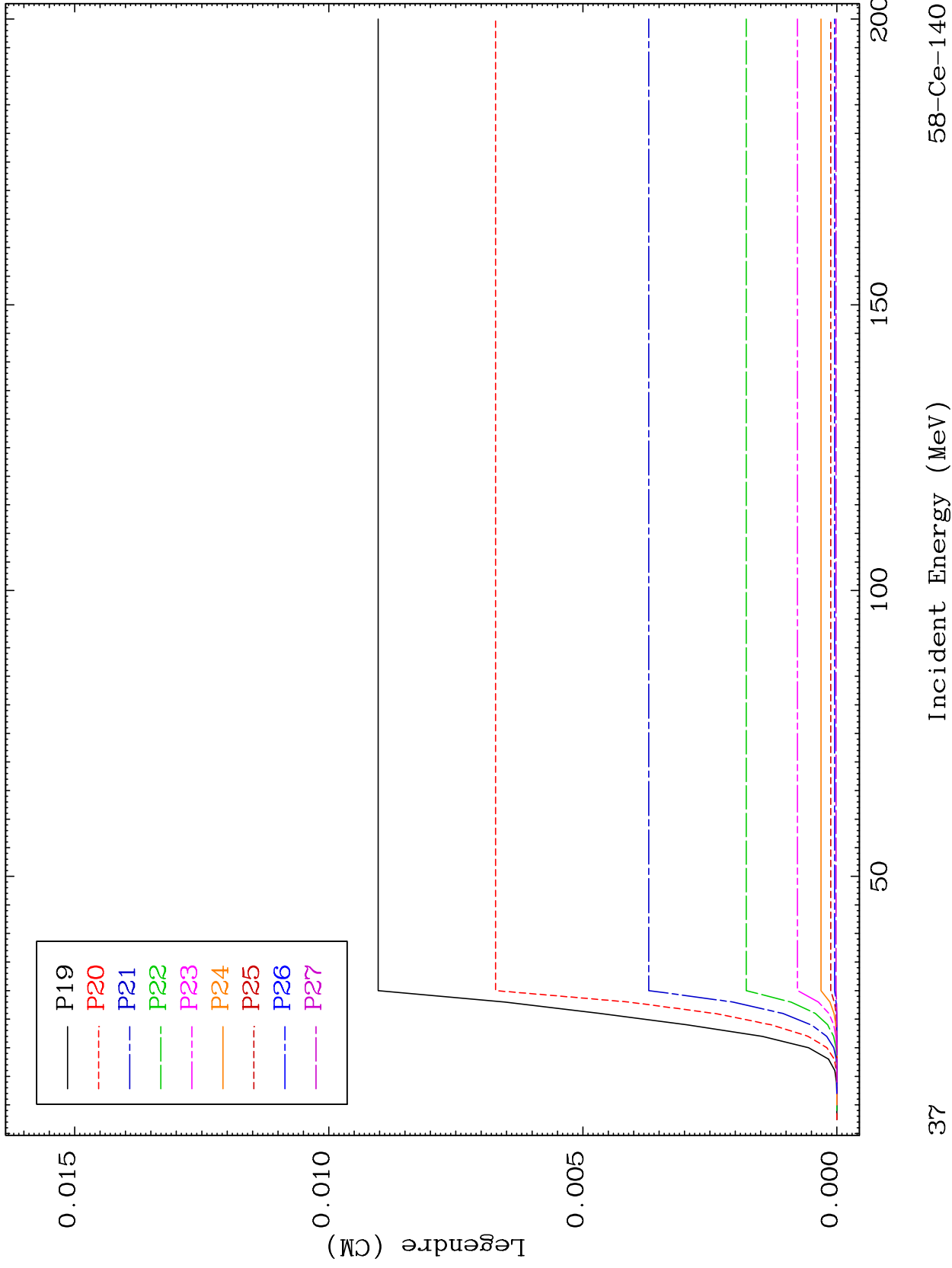
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



37

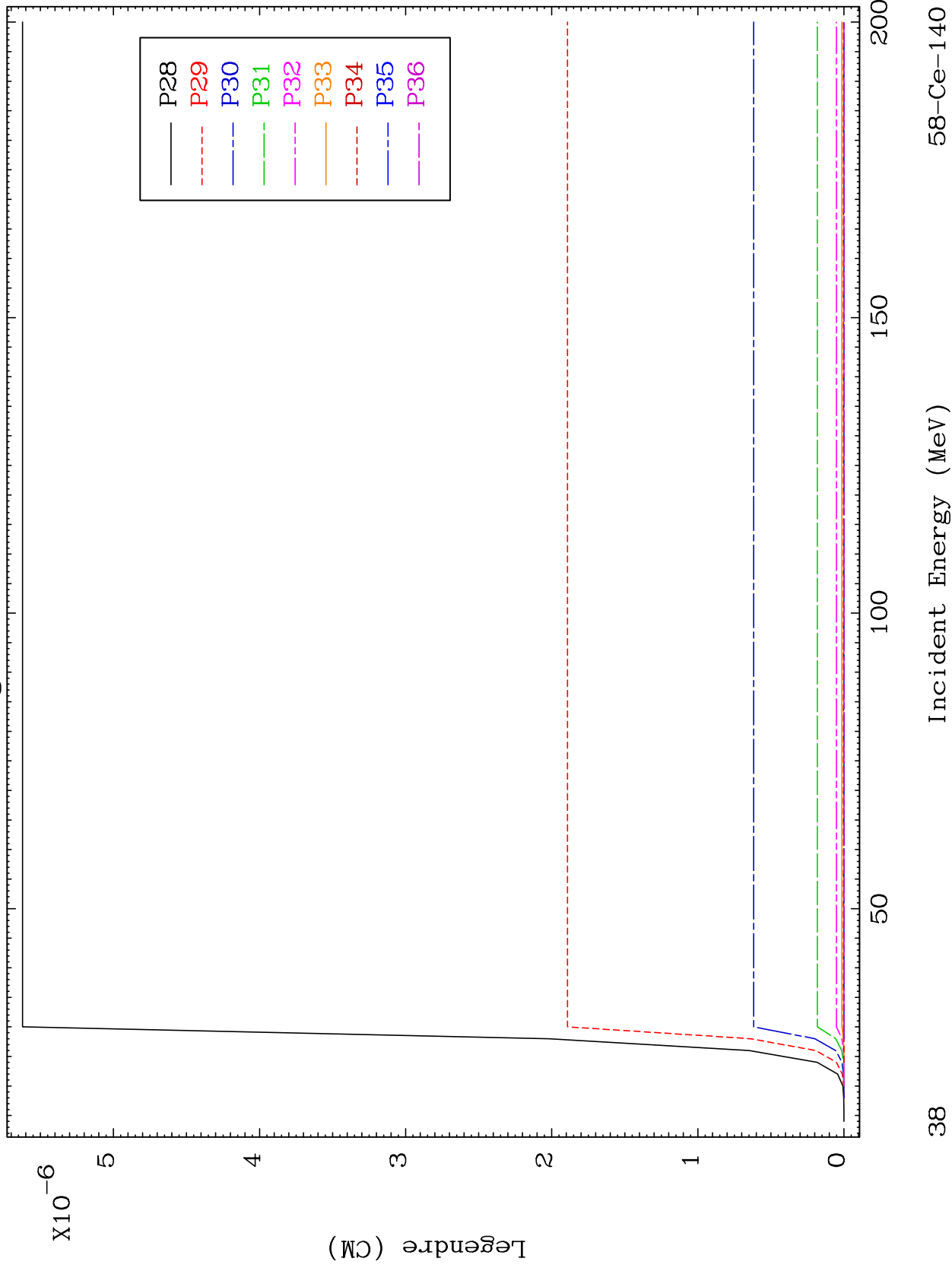
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



38

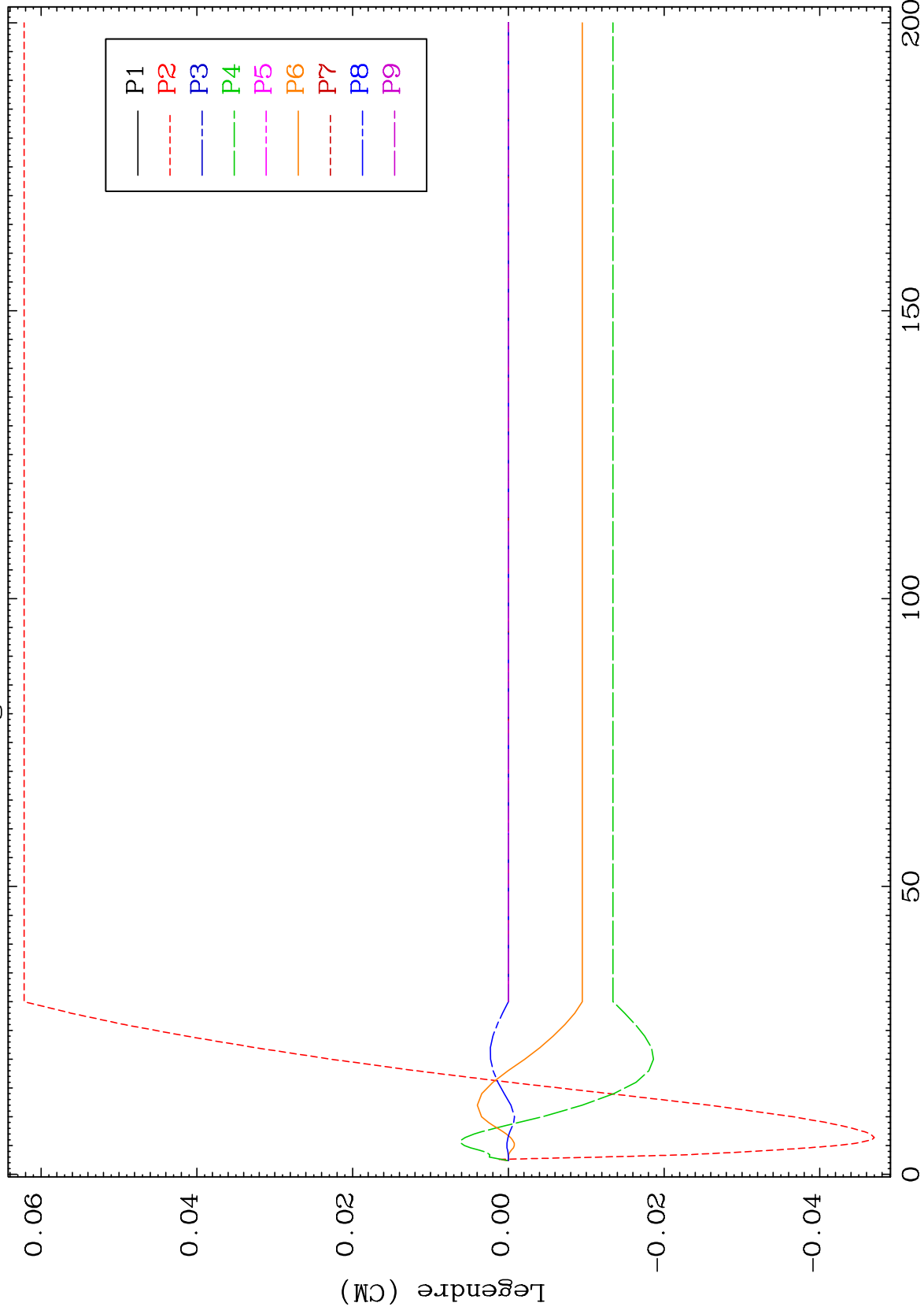
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

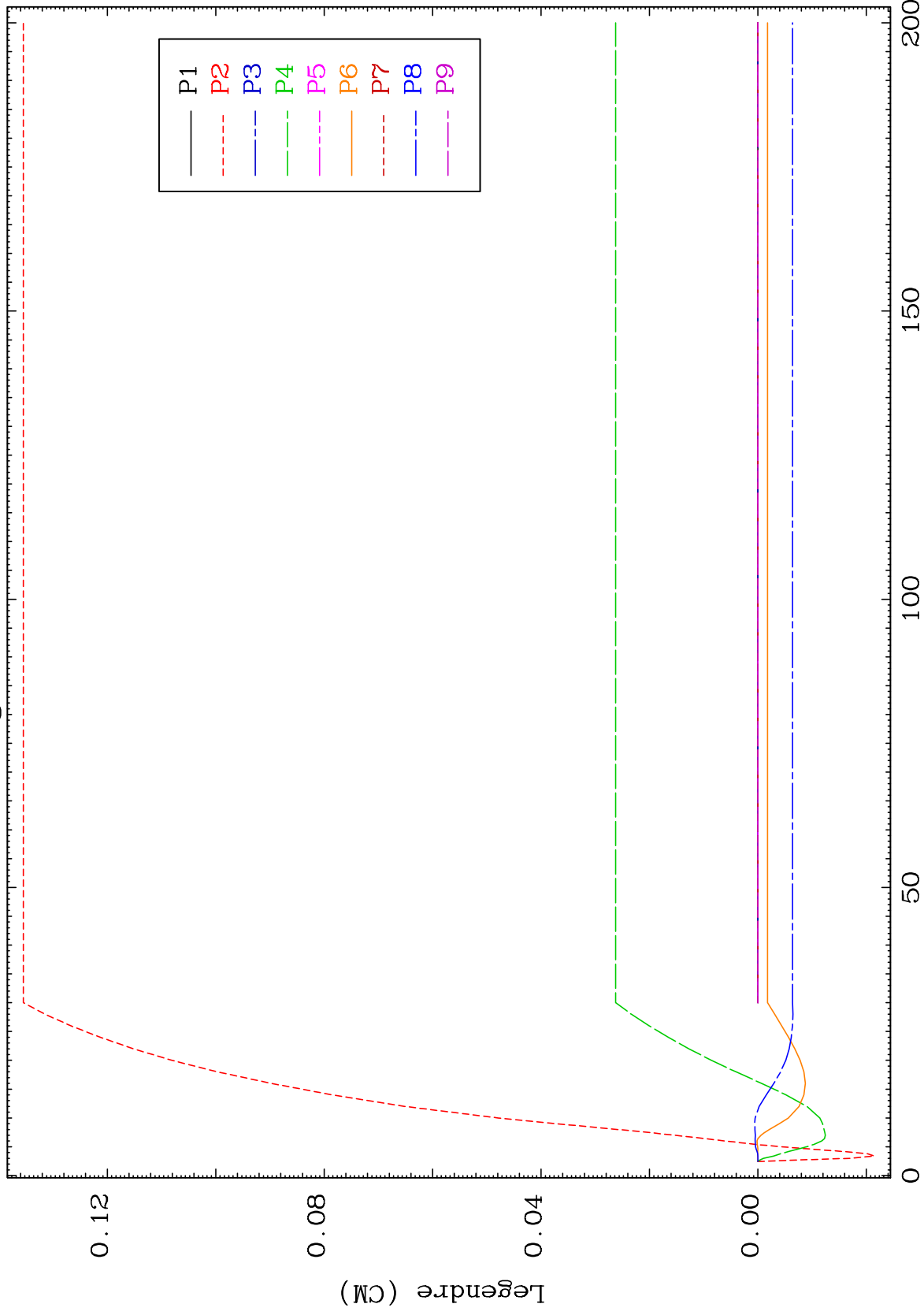
Incident Energy (MeV)

39

MAT 5837

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

58-Ce-140



42

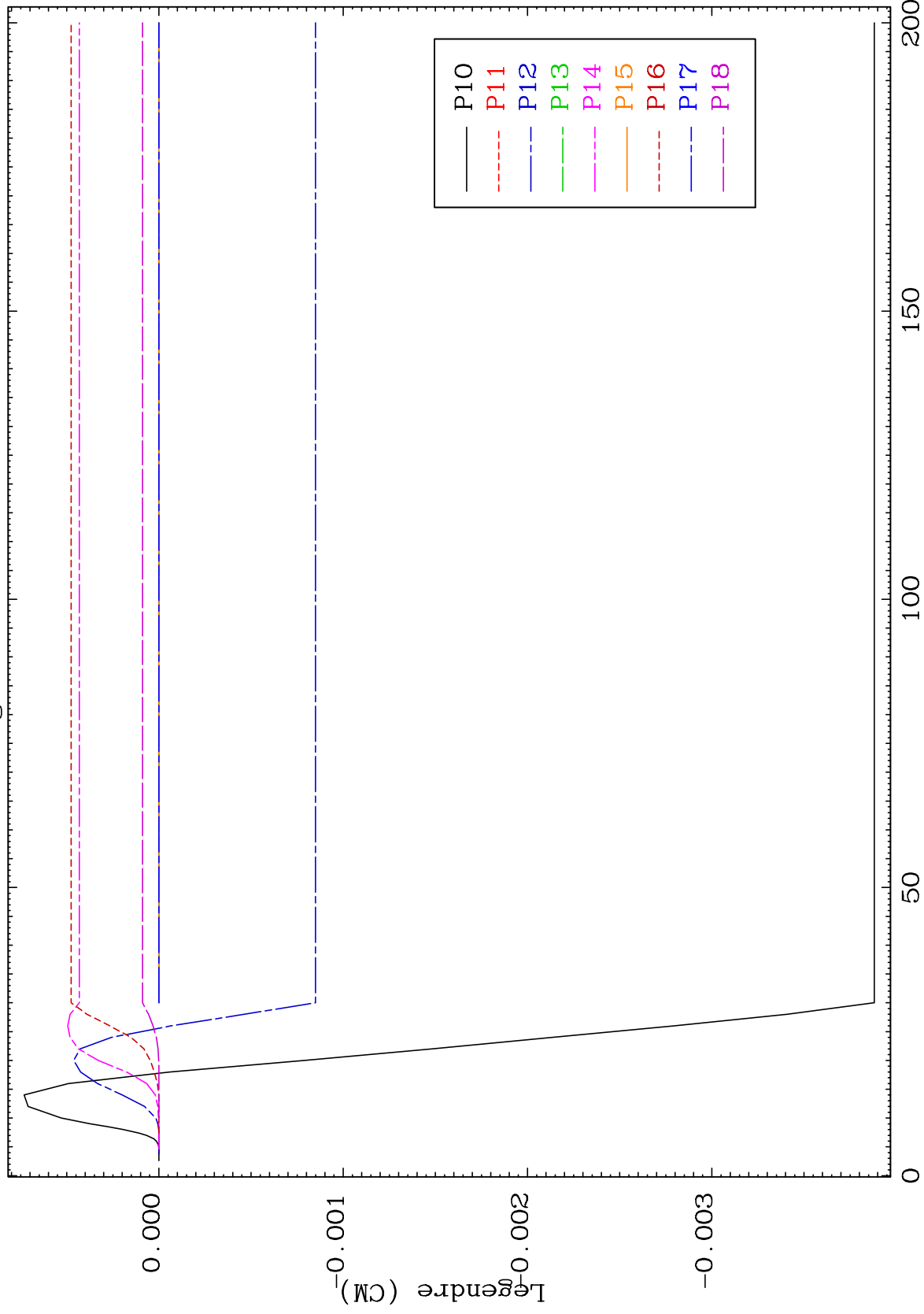
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



43

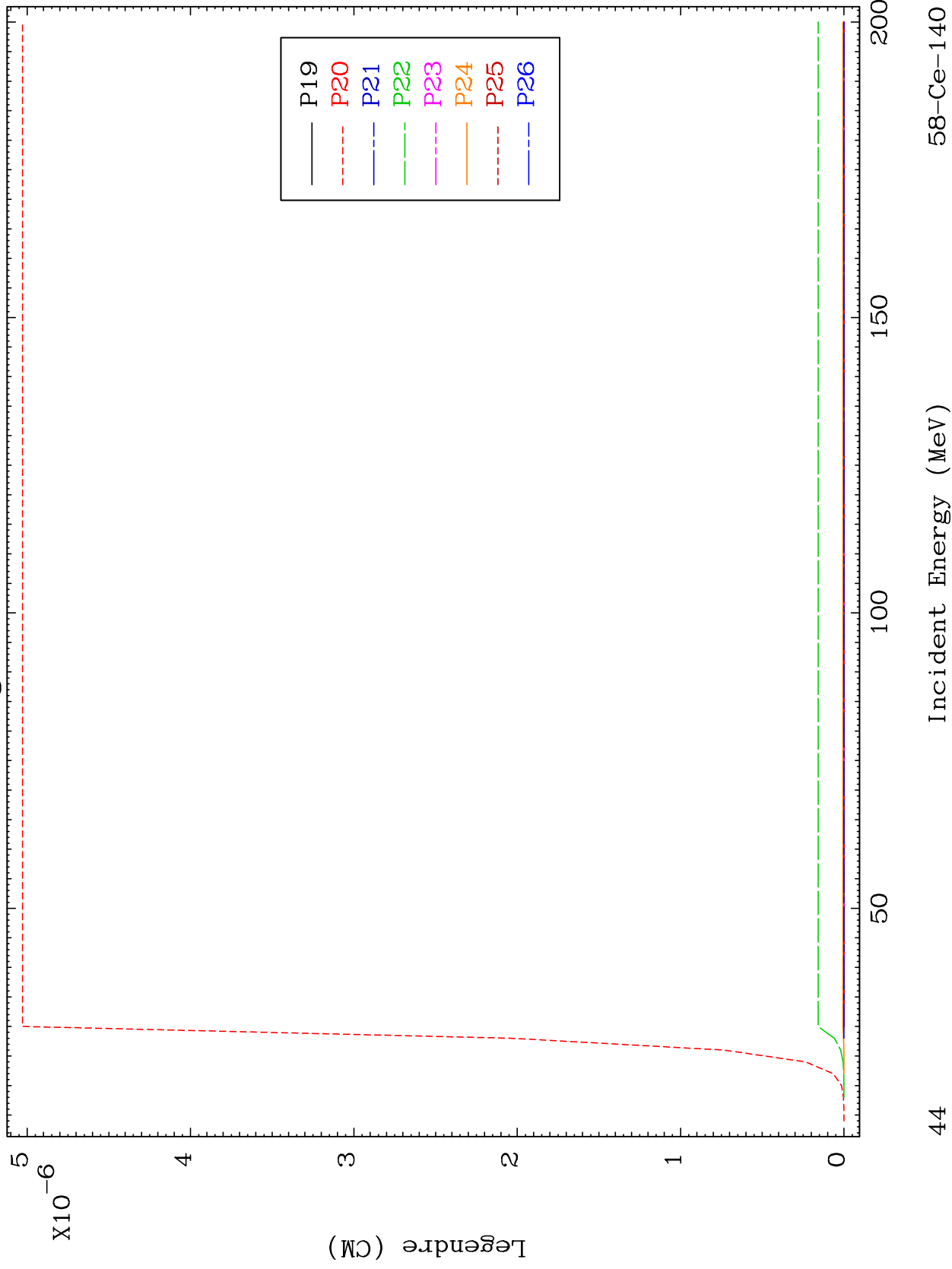
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



44

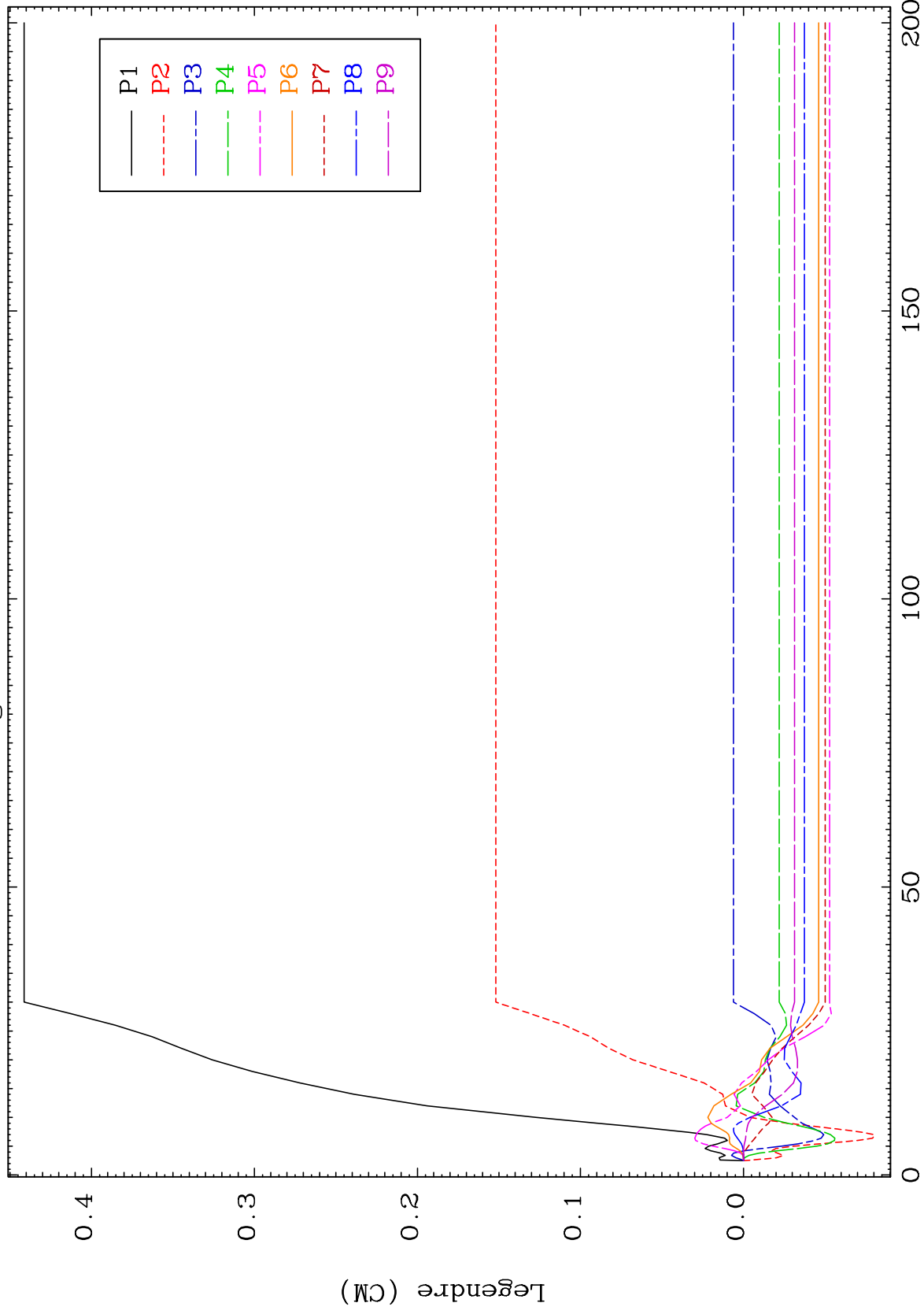
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



45

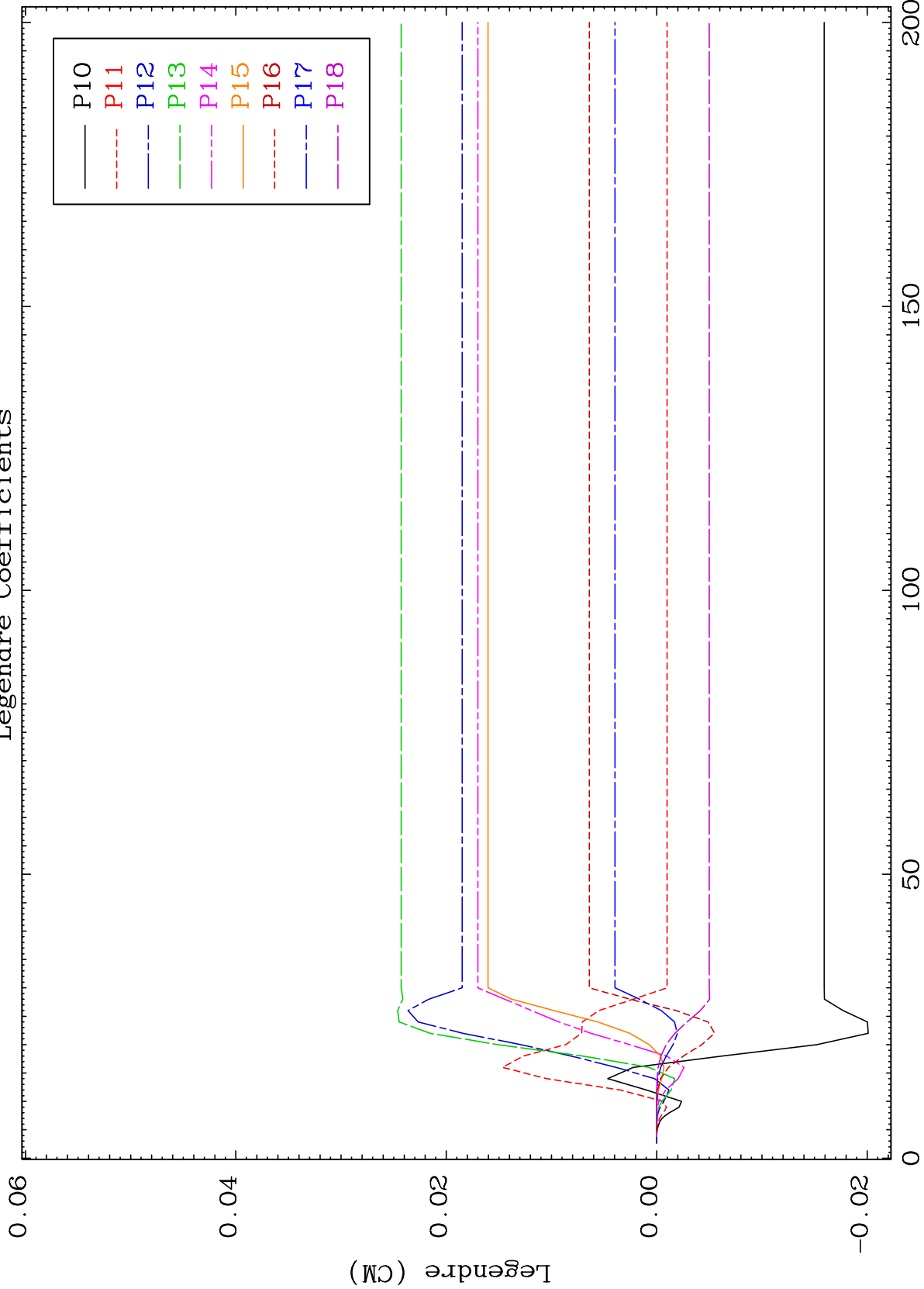
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



46

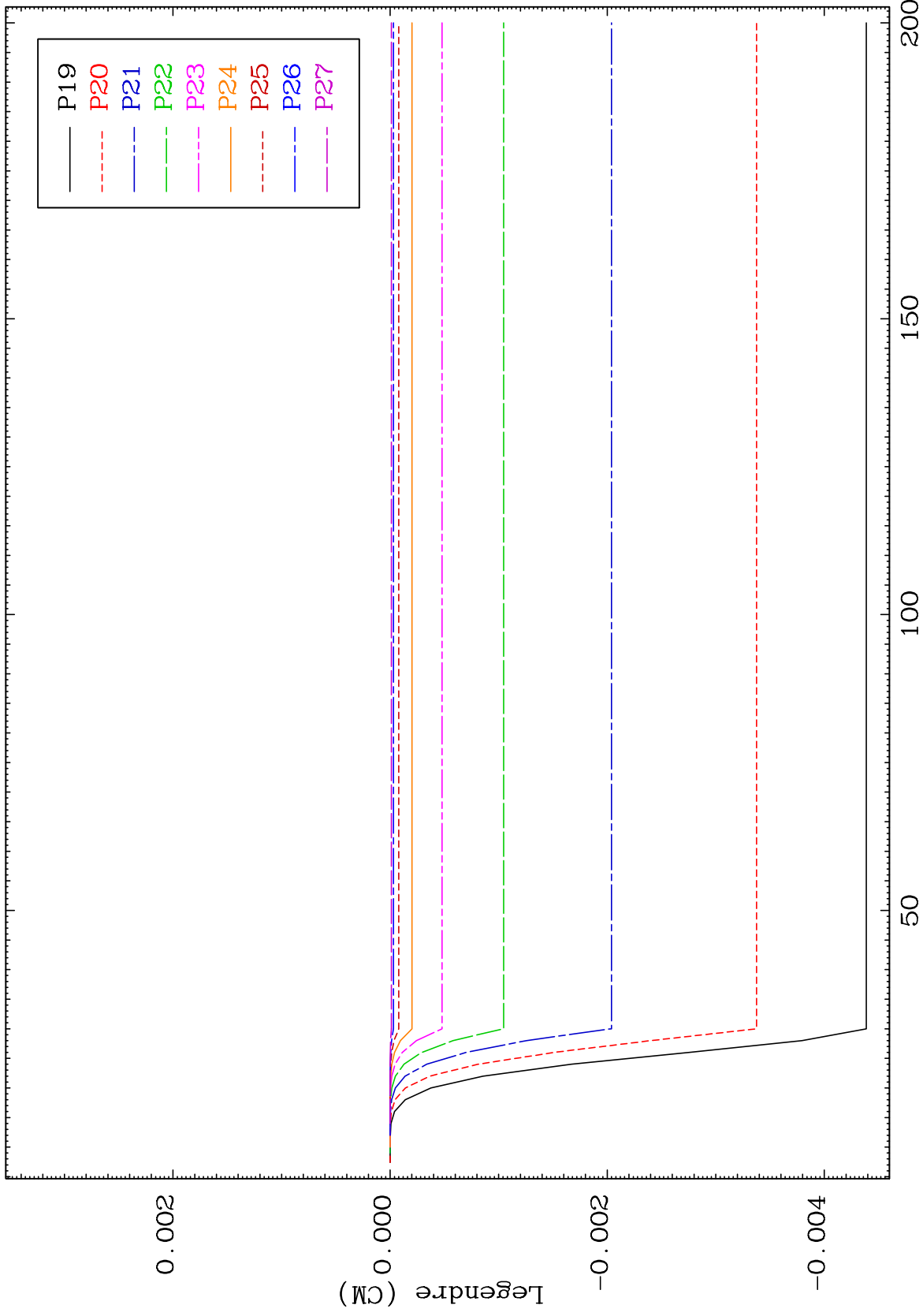
Incident Energy (MeV)

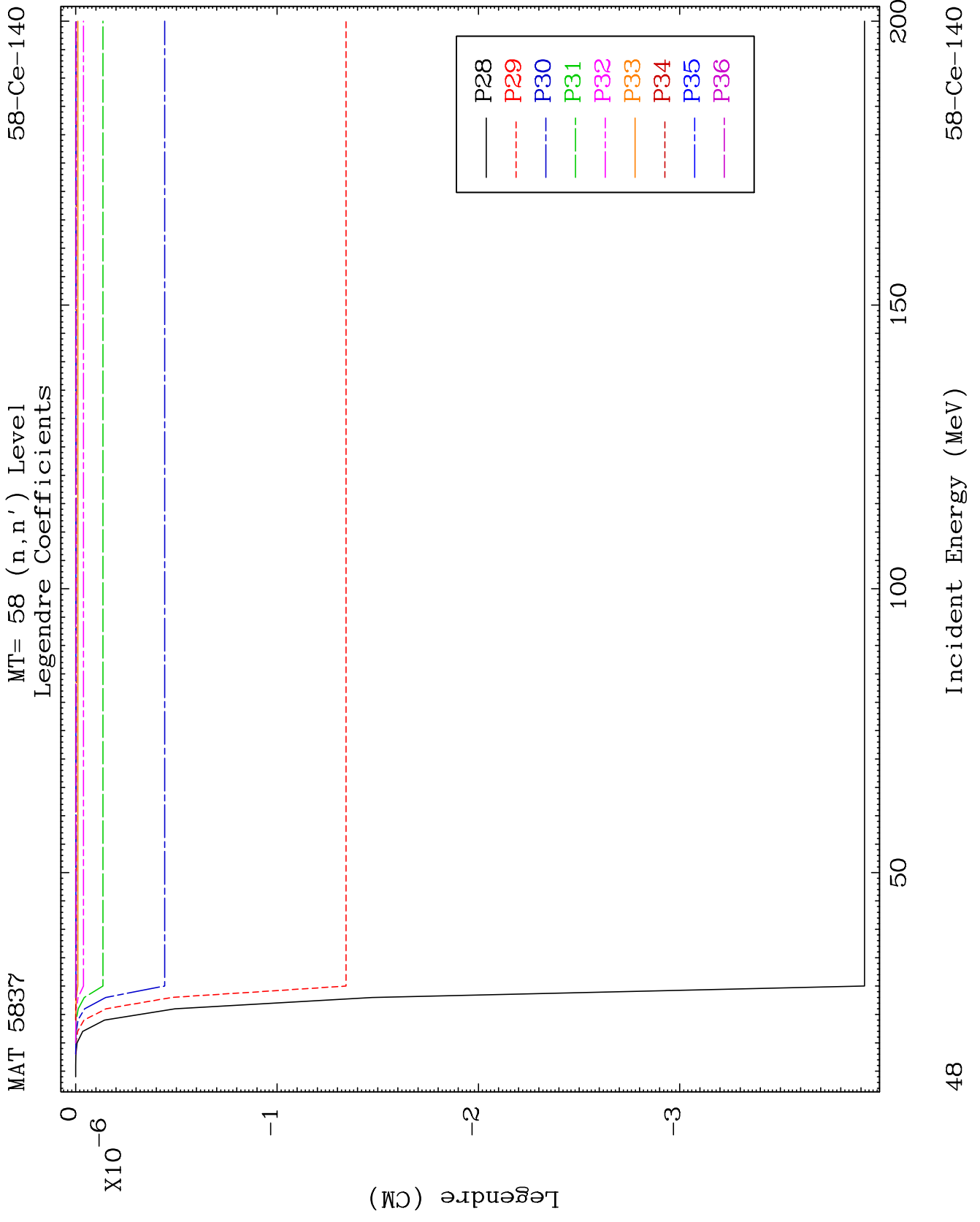
58-Ce-140

MAT 5837

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

58-Ce-140

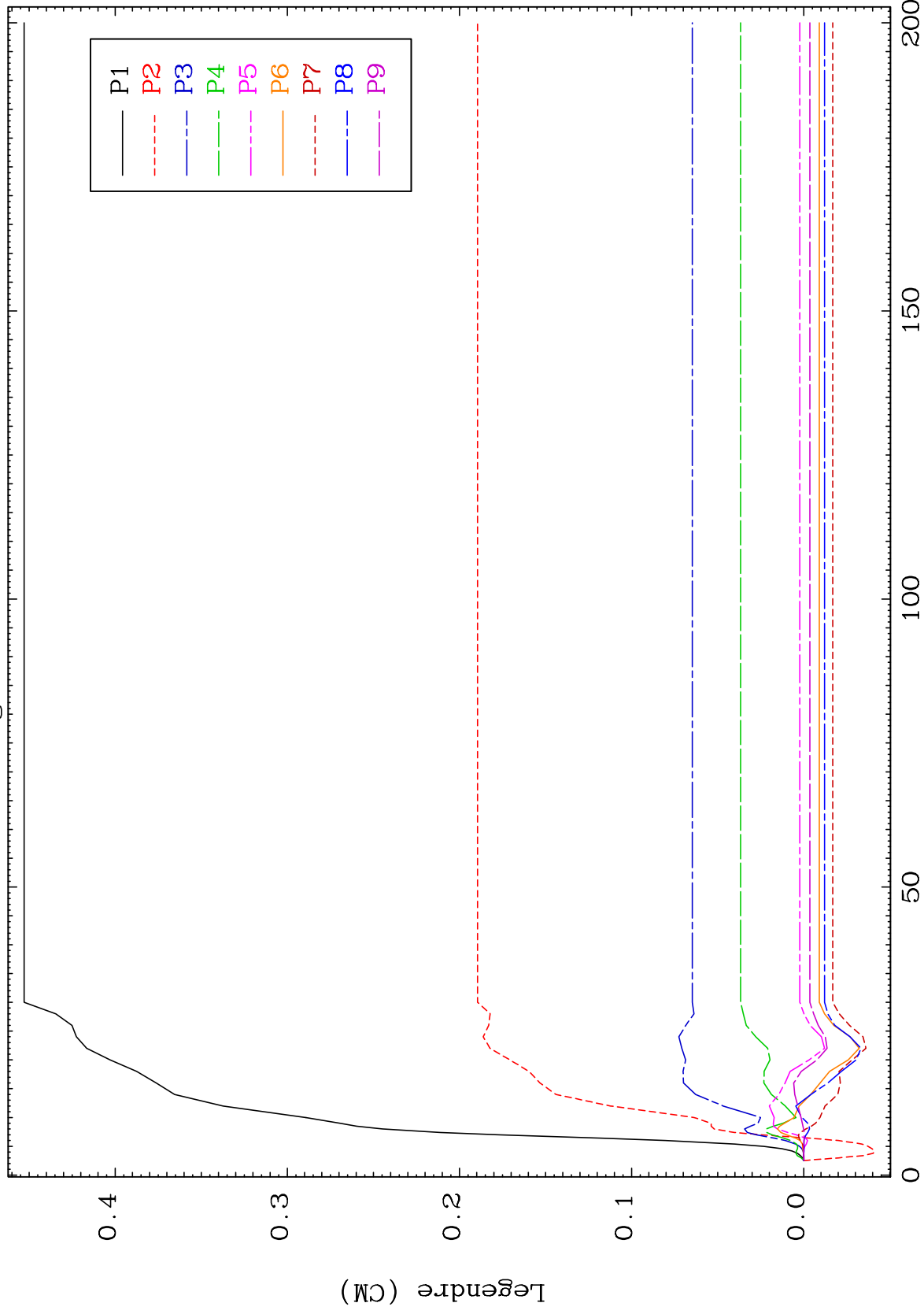




MAT 5837

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

58-Ce-140



49

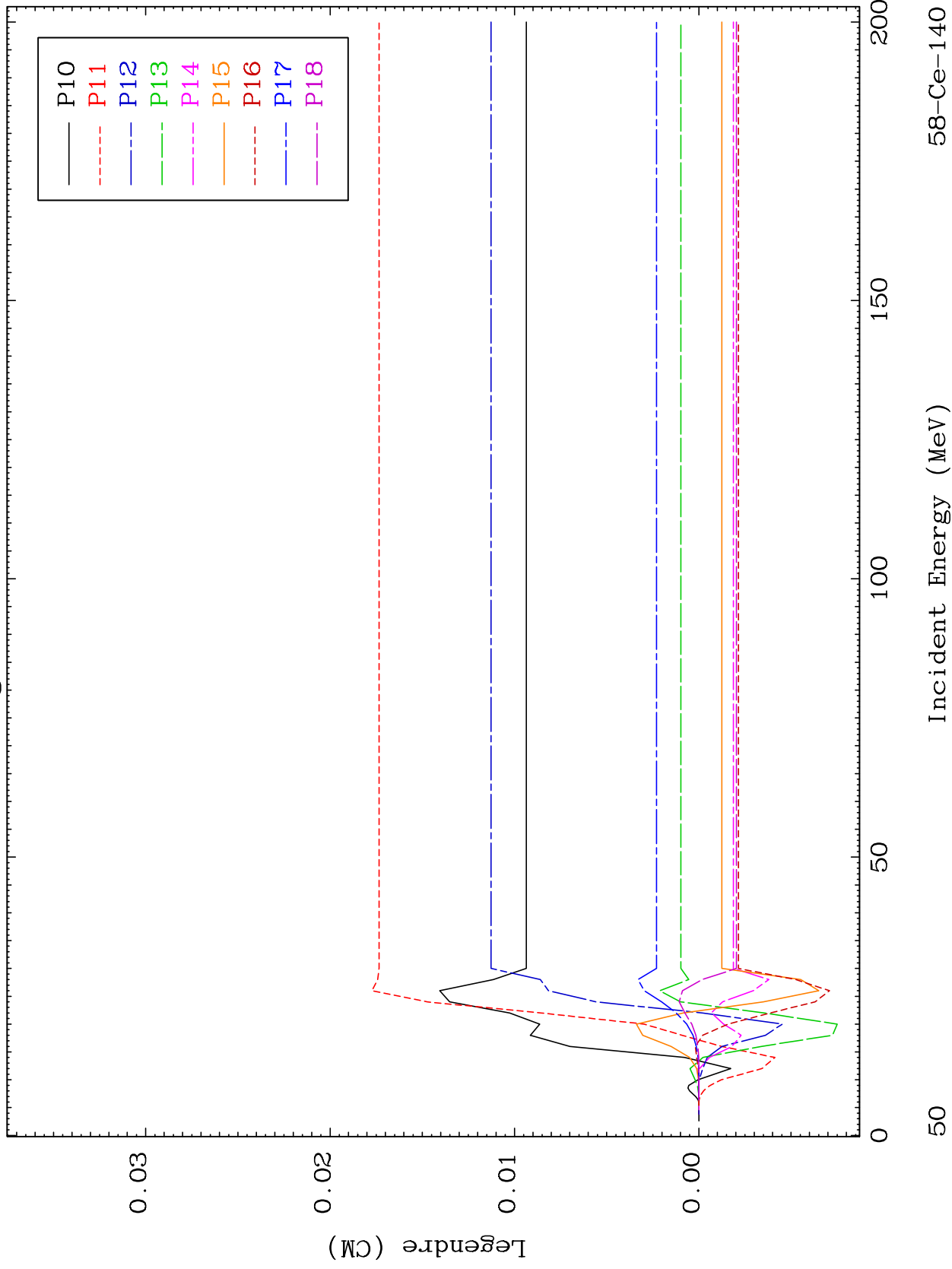
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

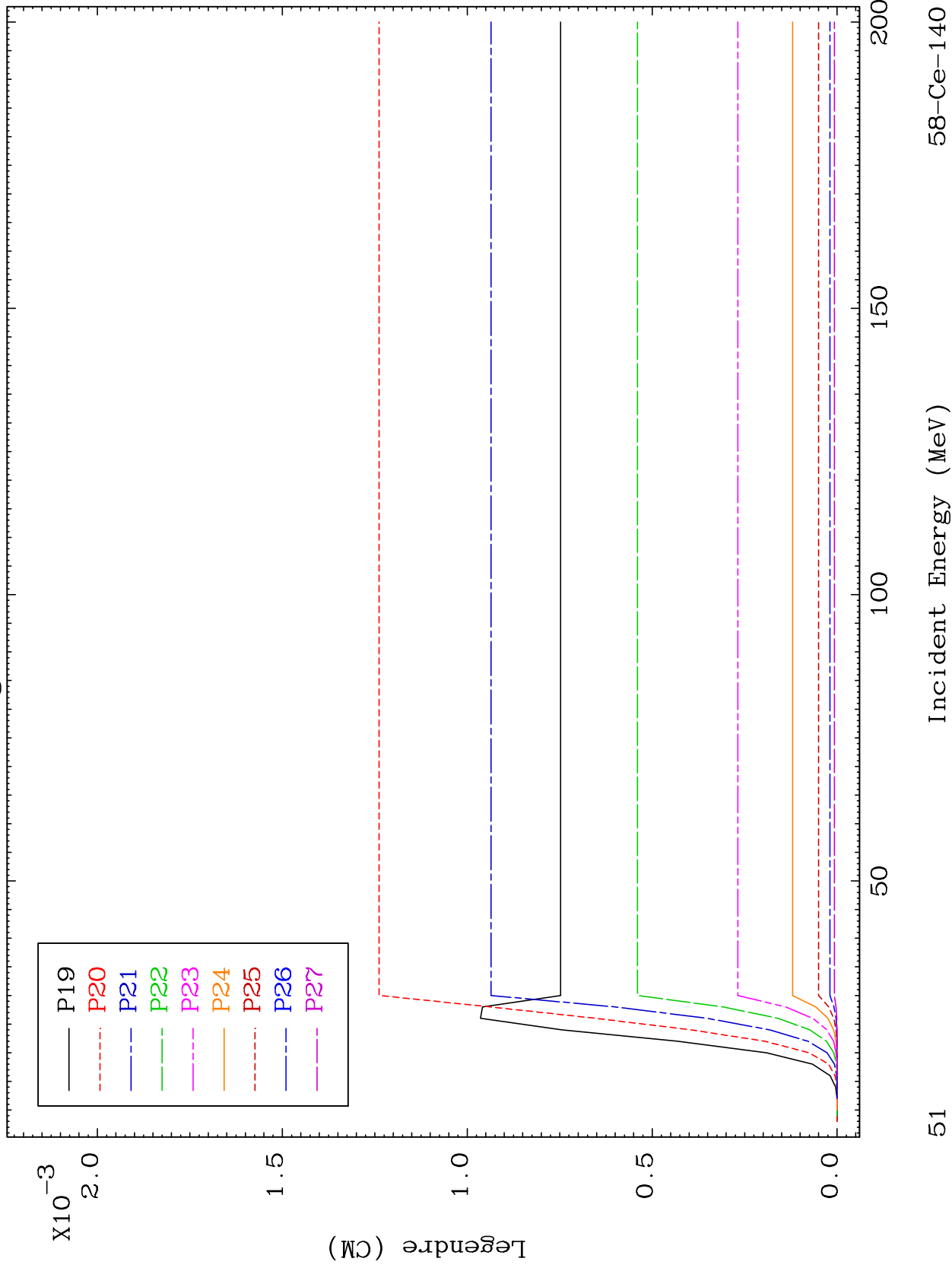
58-Ce-140



MAT 5837

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

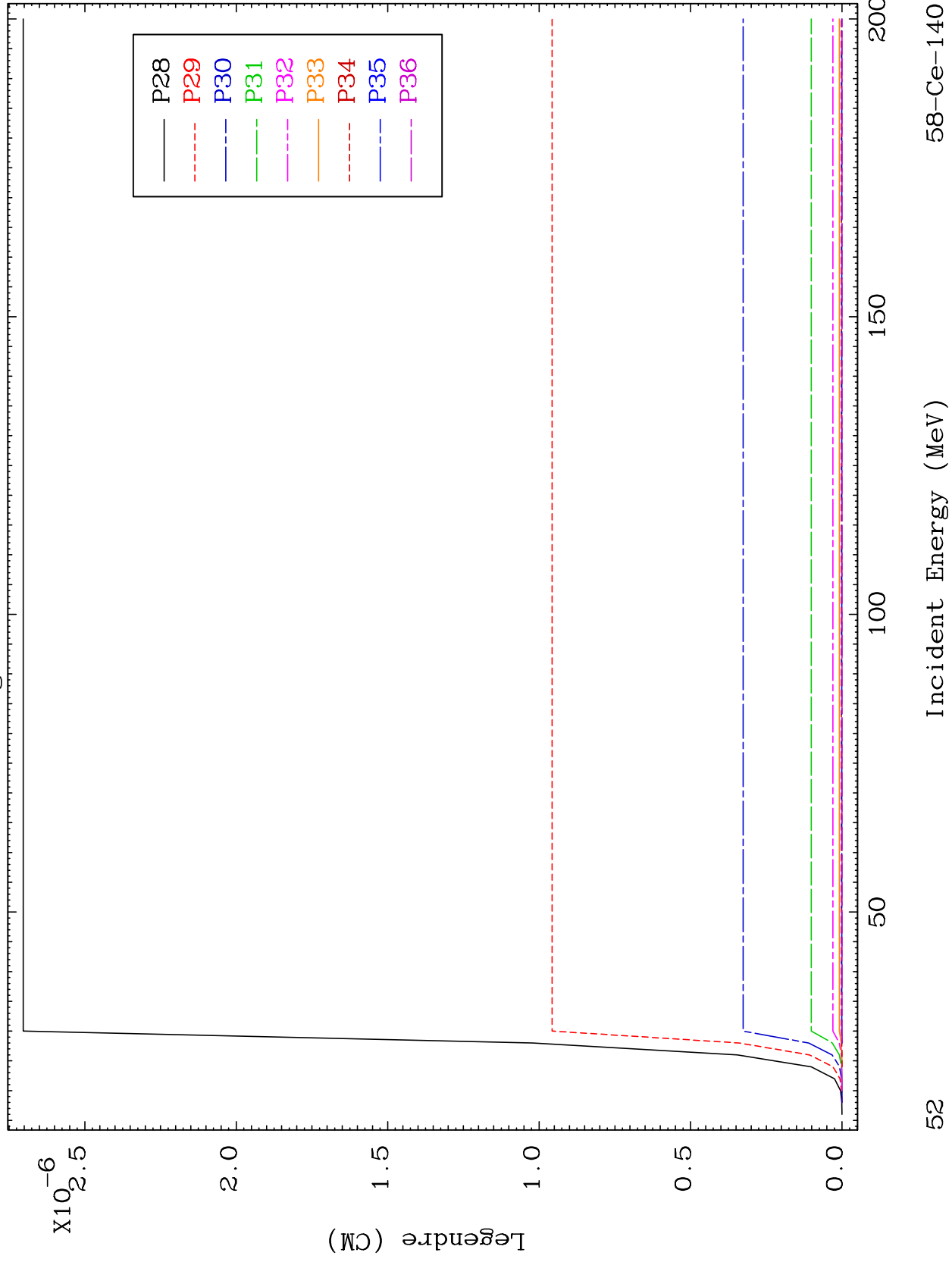
58-Ce-140



MAT 5837

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

58-Ce-140



52

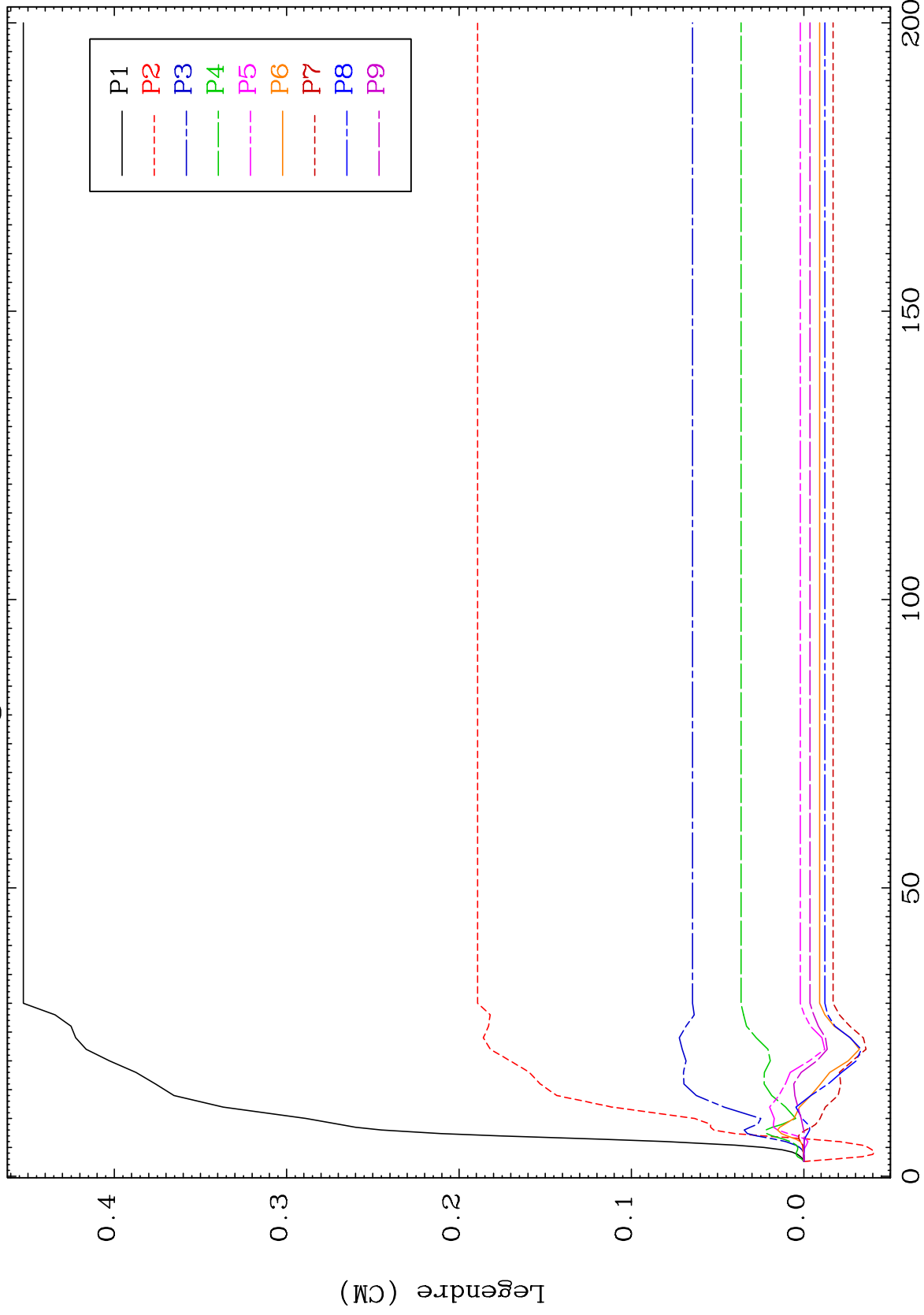
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



53

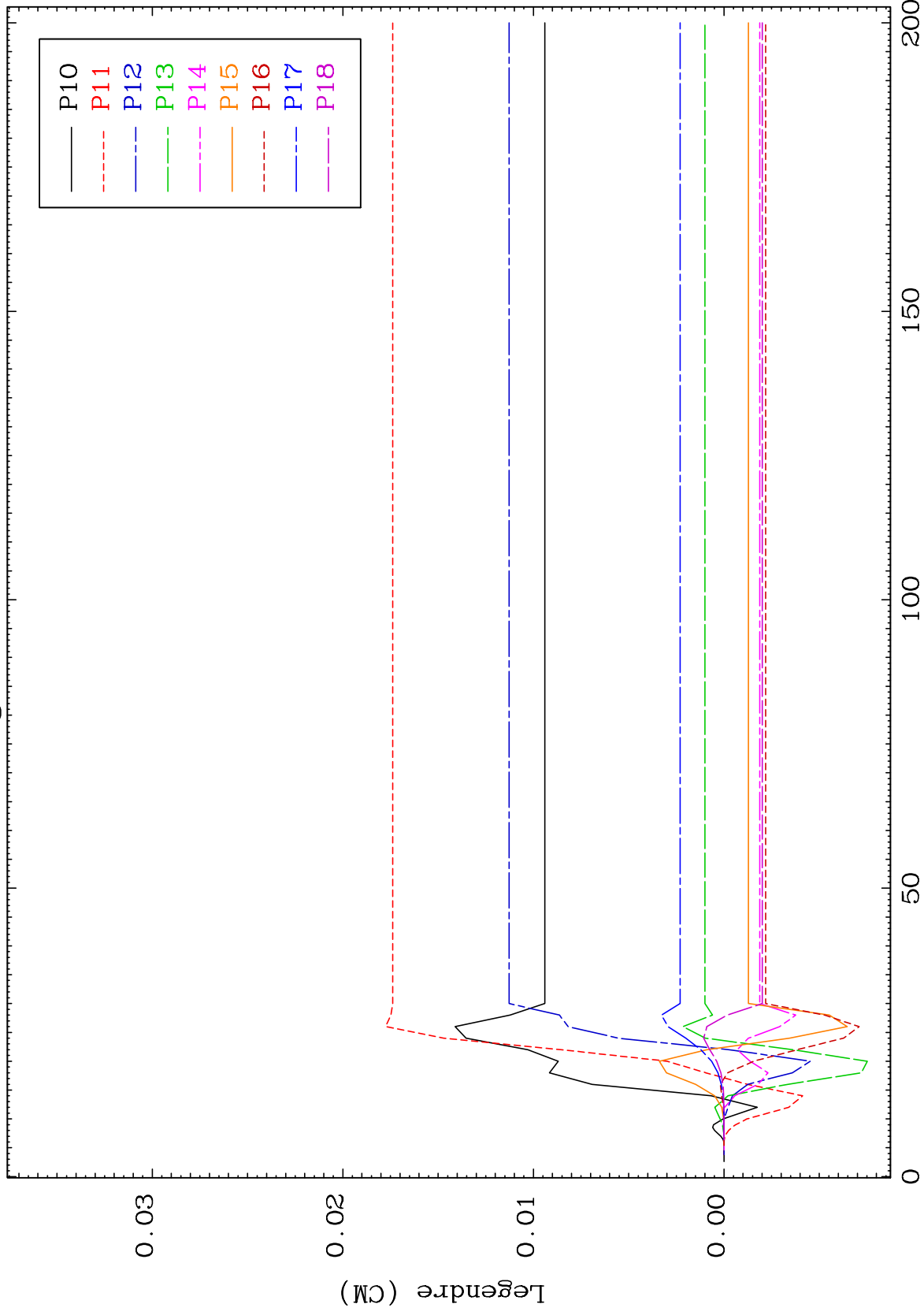
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



54

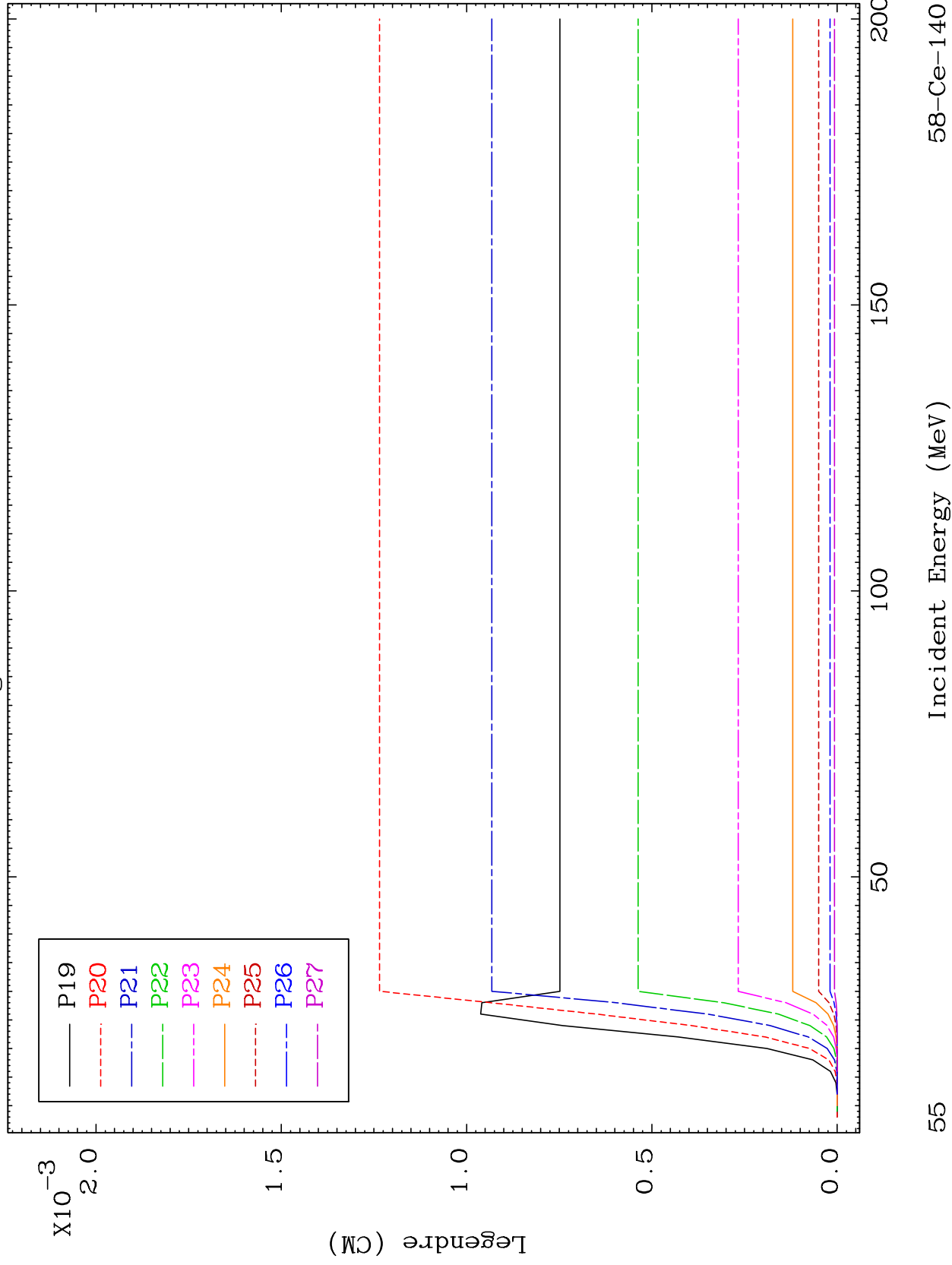
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



55

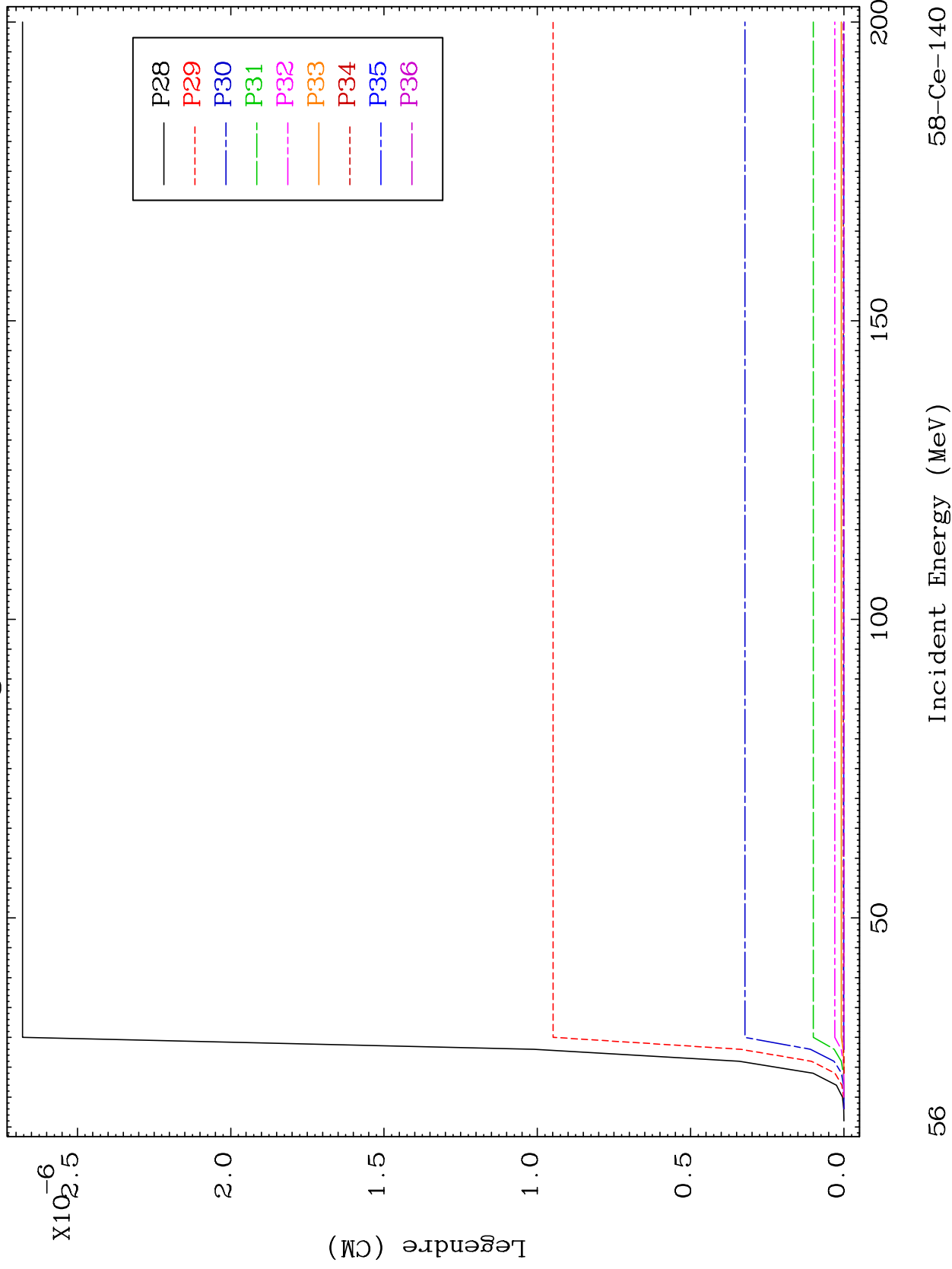
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



56

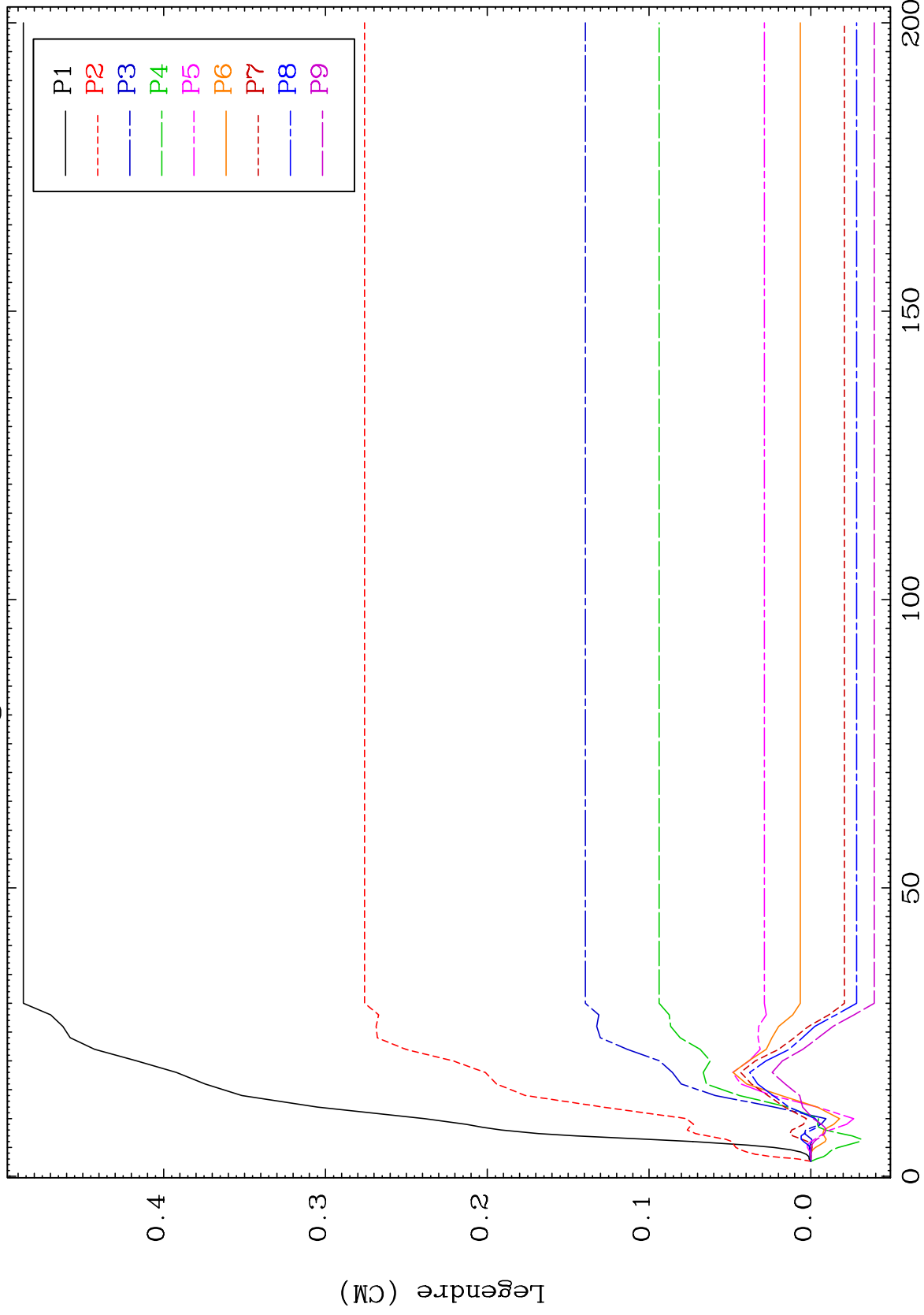
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



57

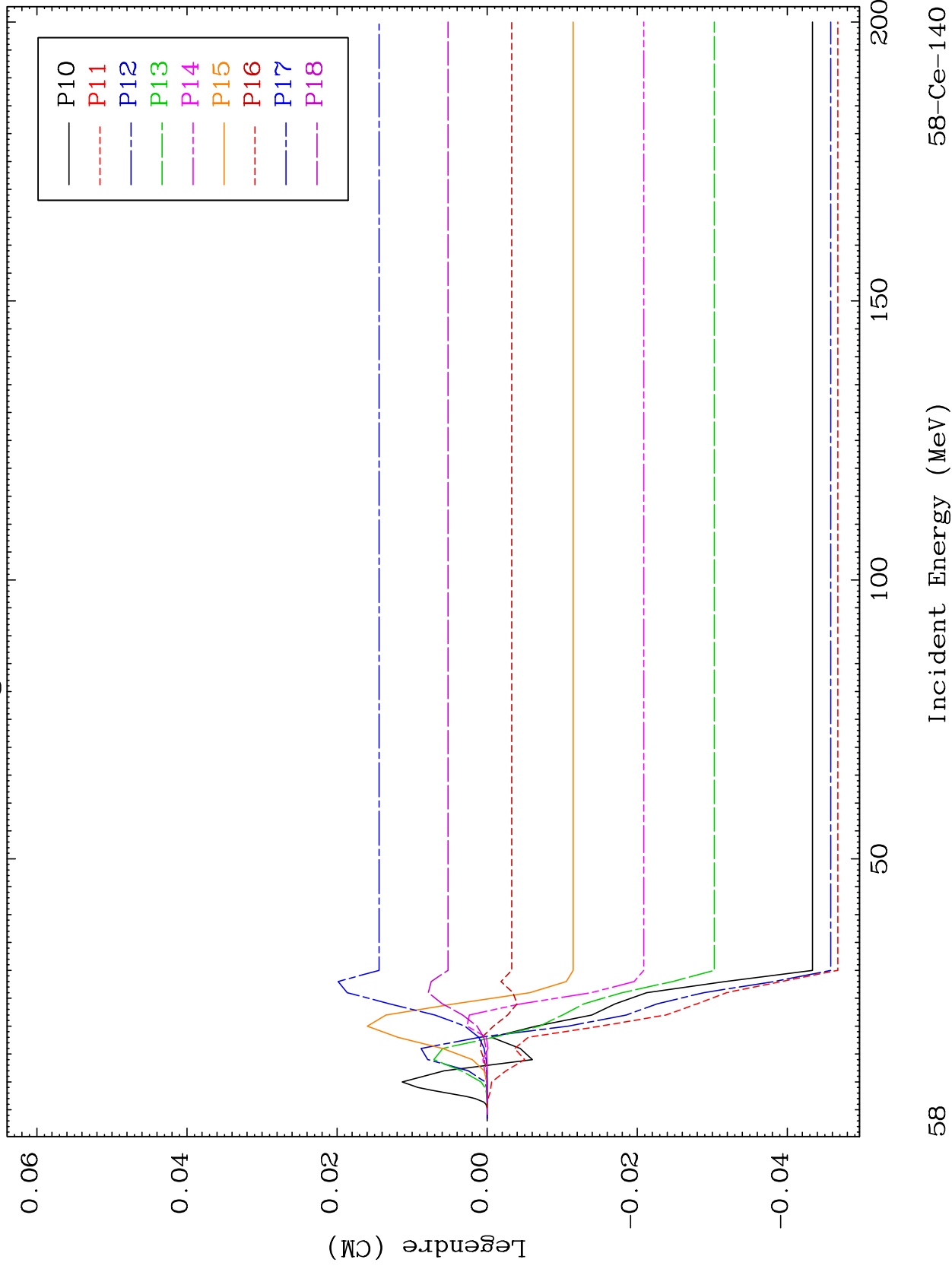
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

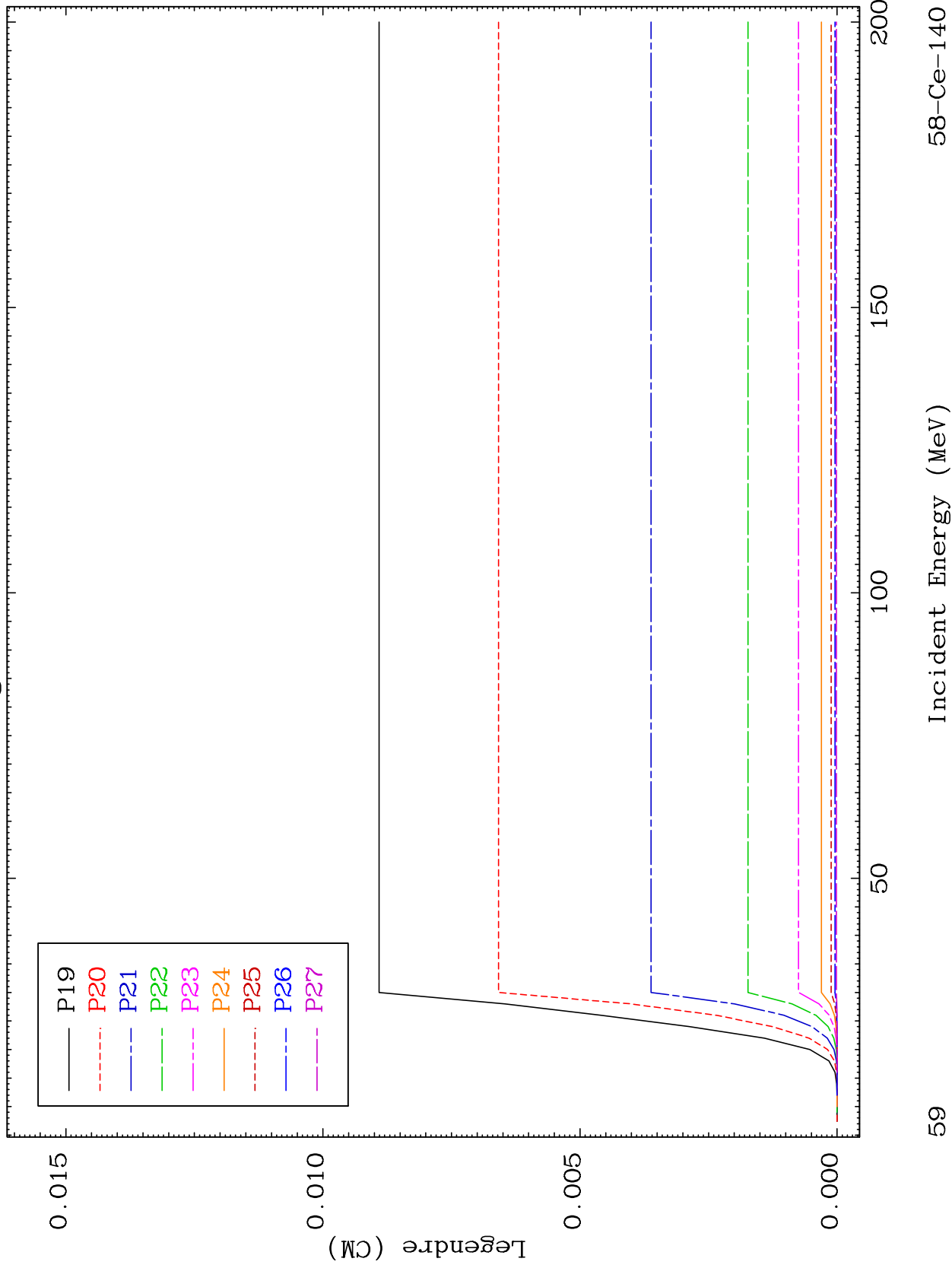
58-Ce-140



58

Incident Energy (MeV)

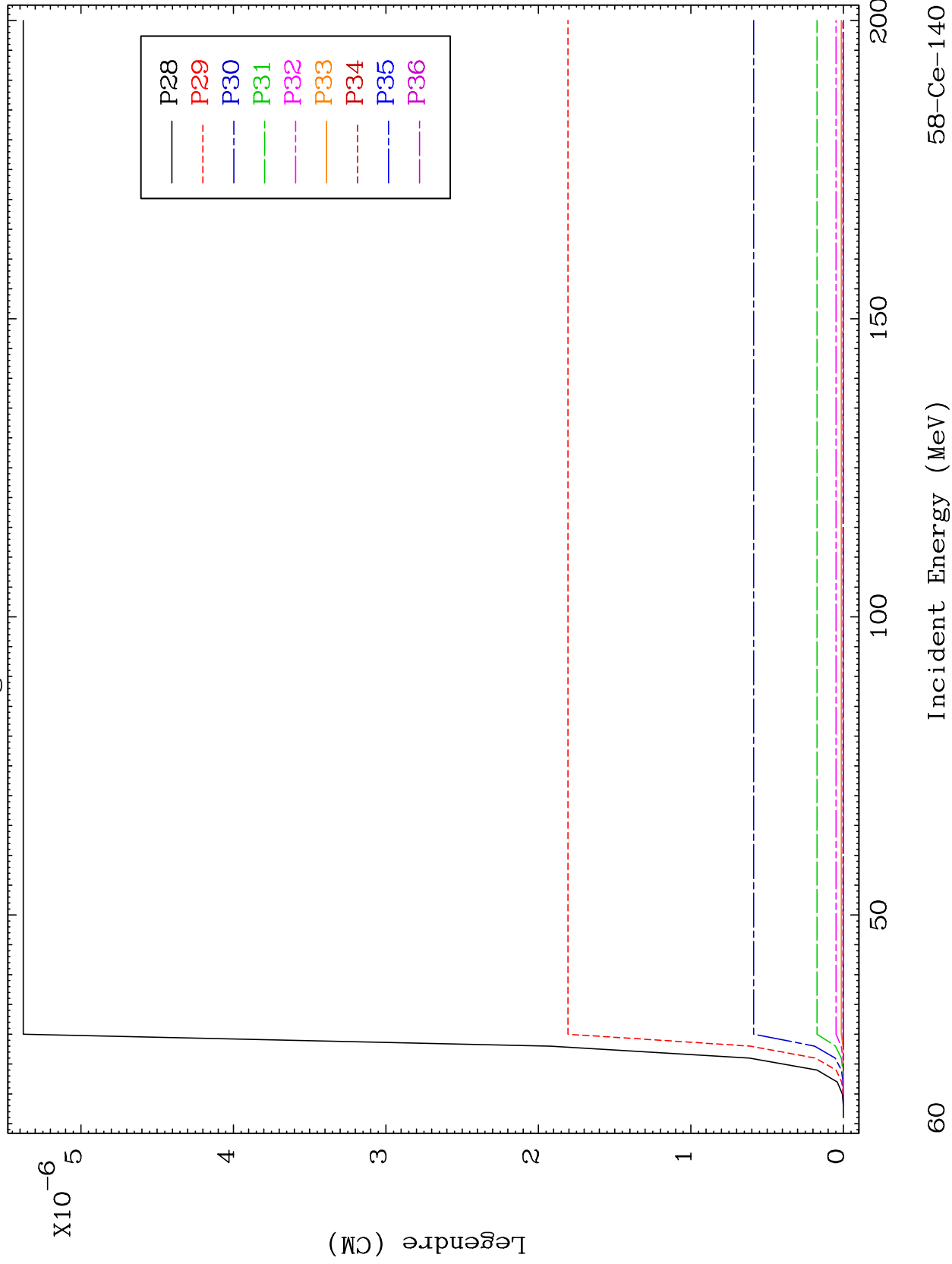
58-Ce-140

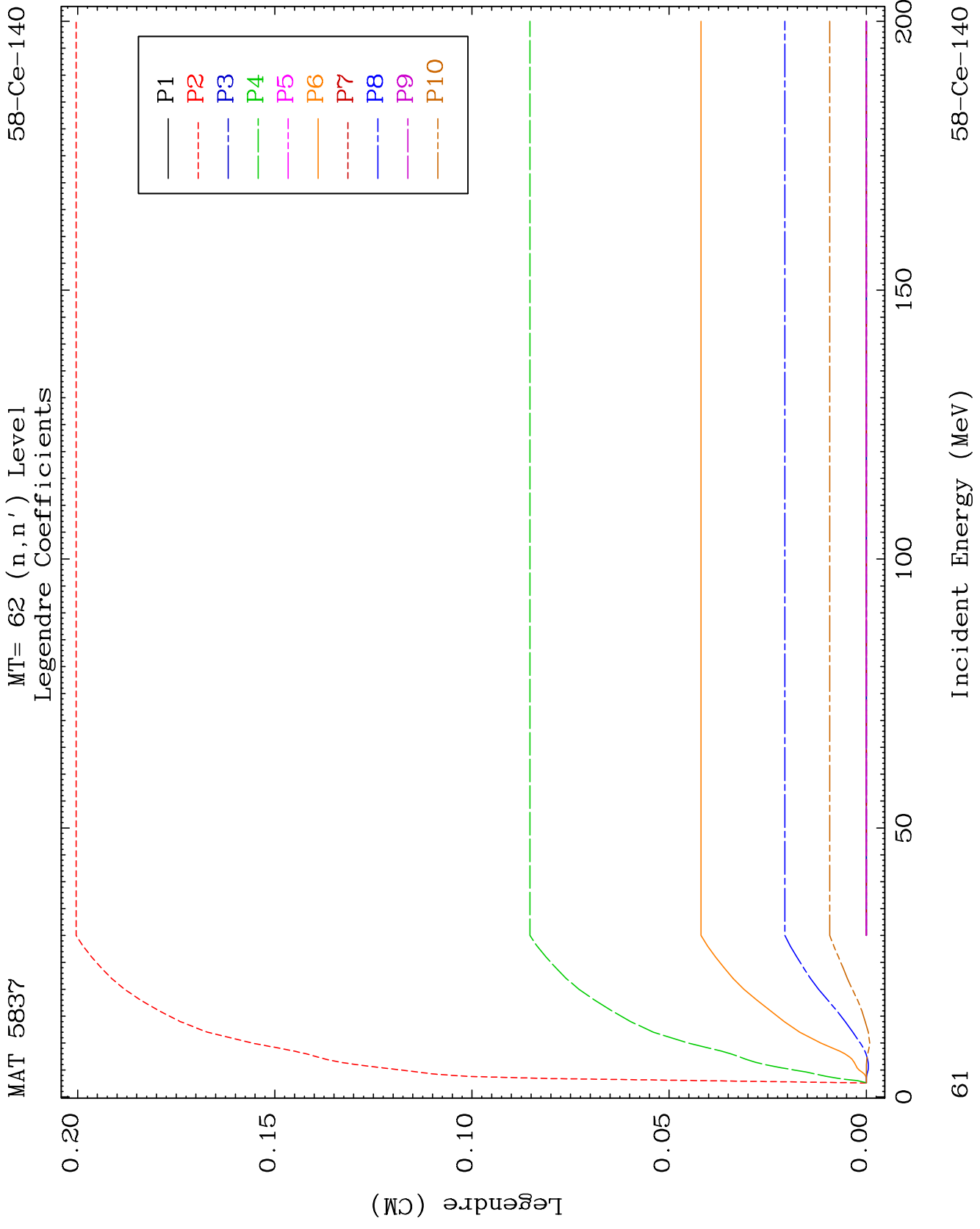


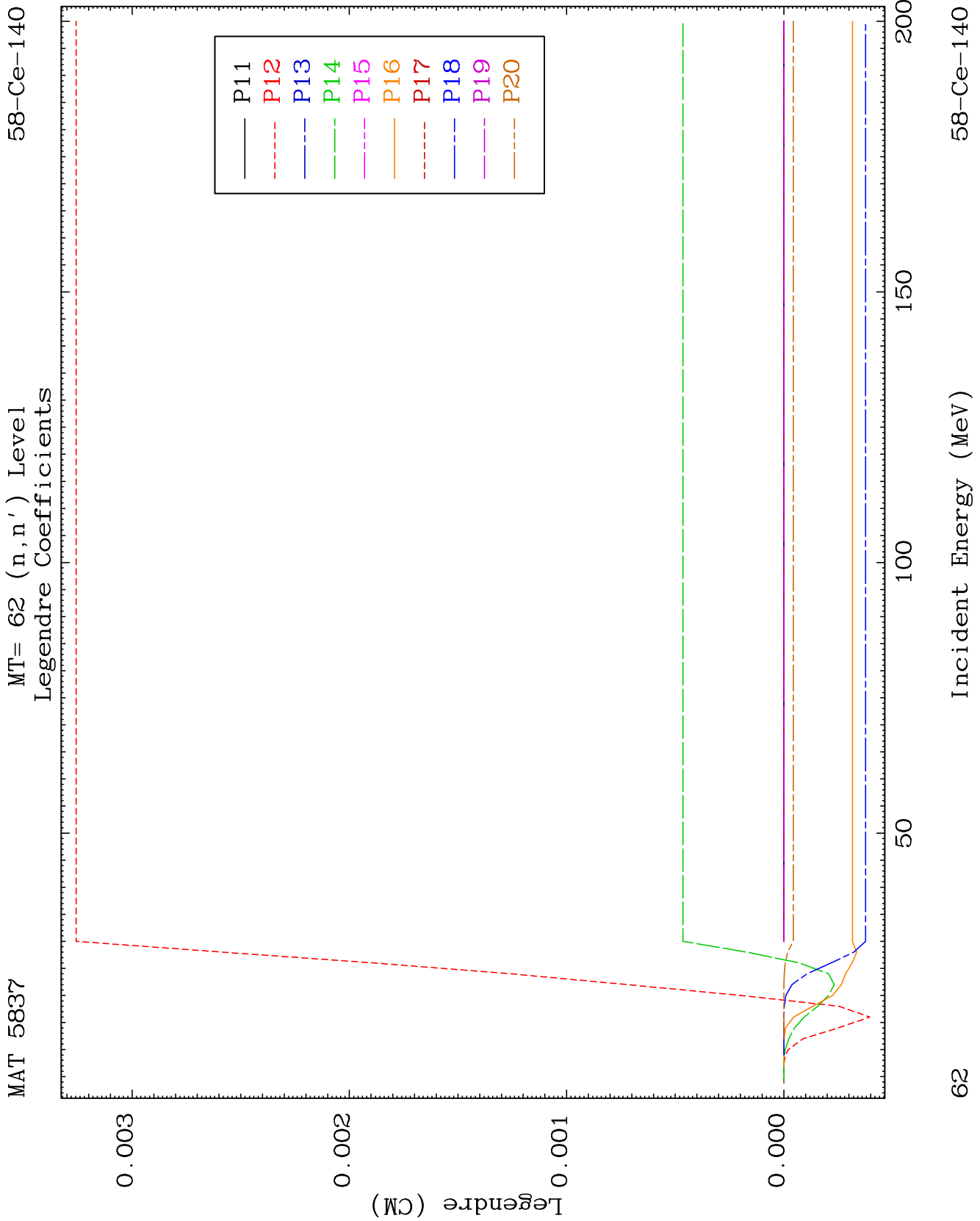
MAT 5837

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

58-Ce-140



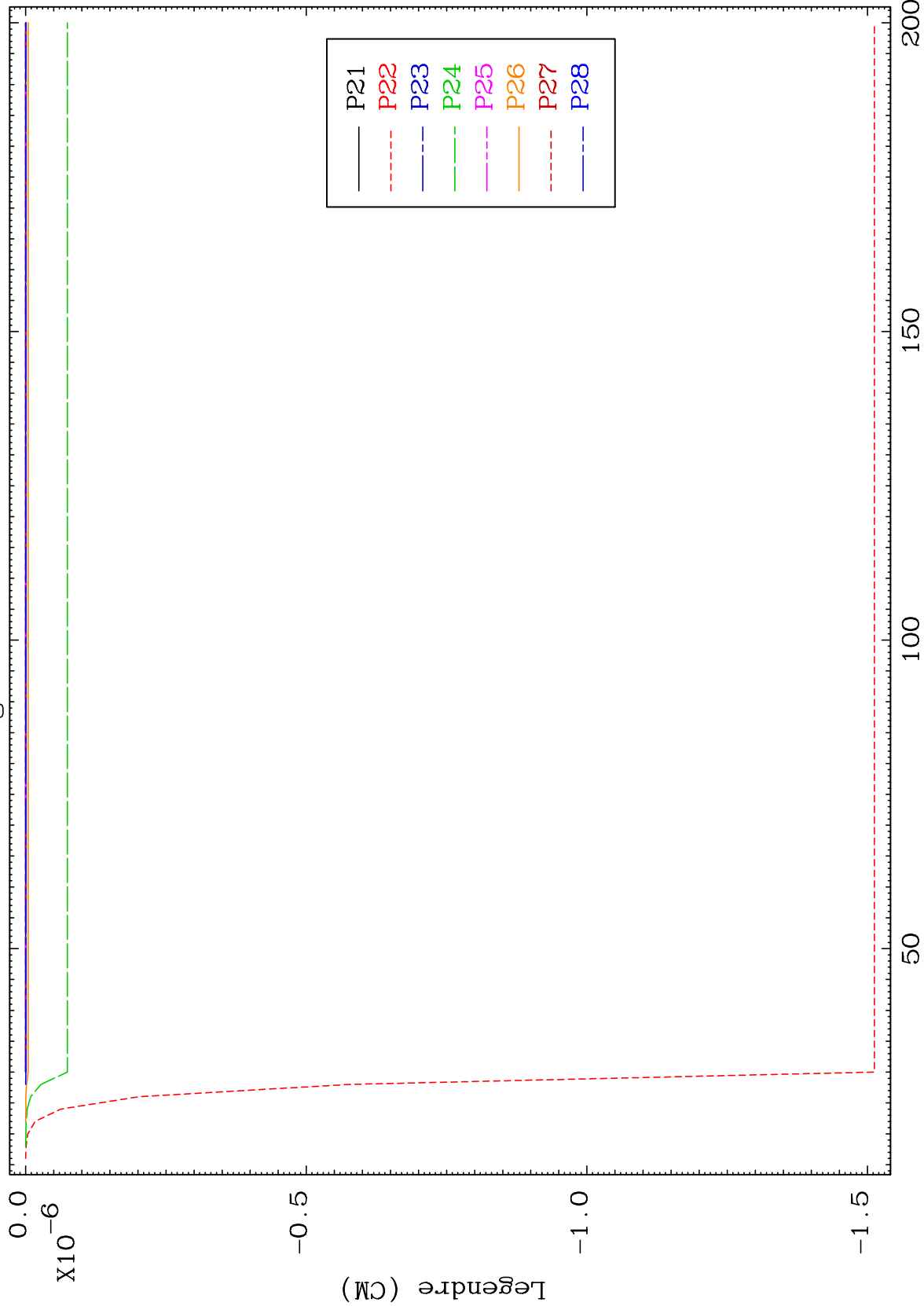




MAT 5837

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

58-Ce-140



63

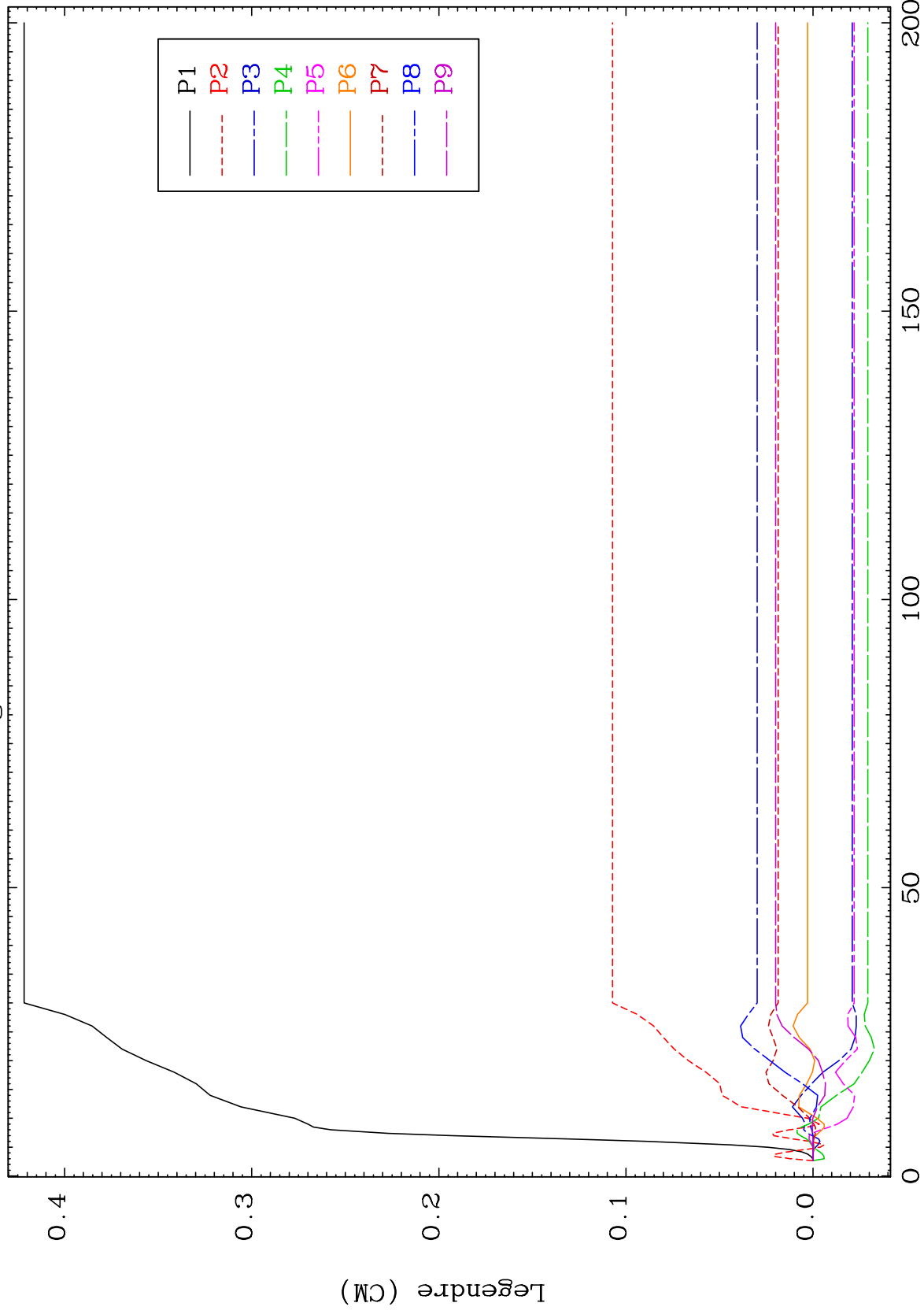
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



64

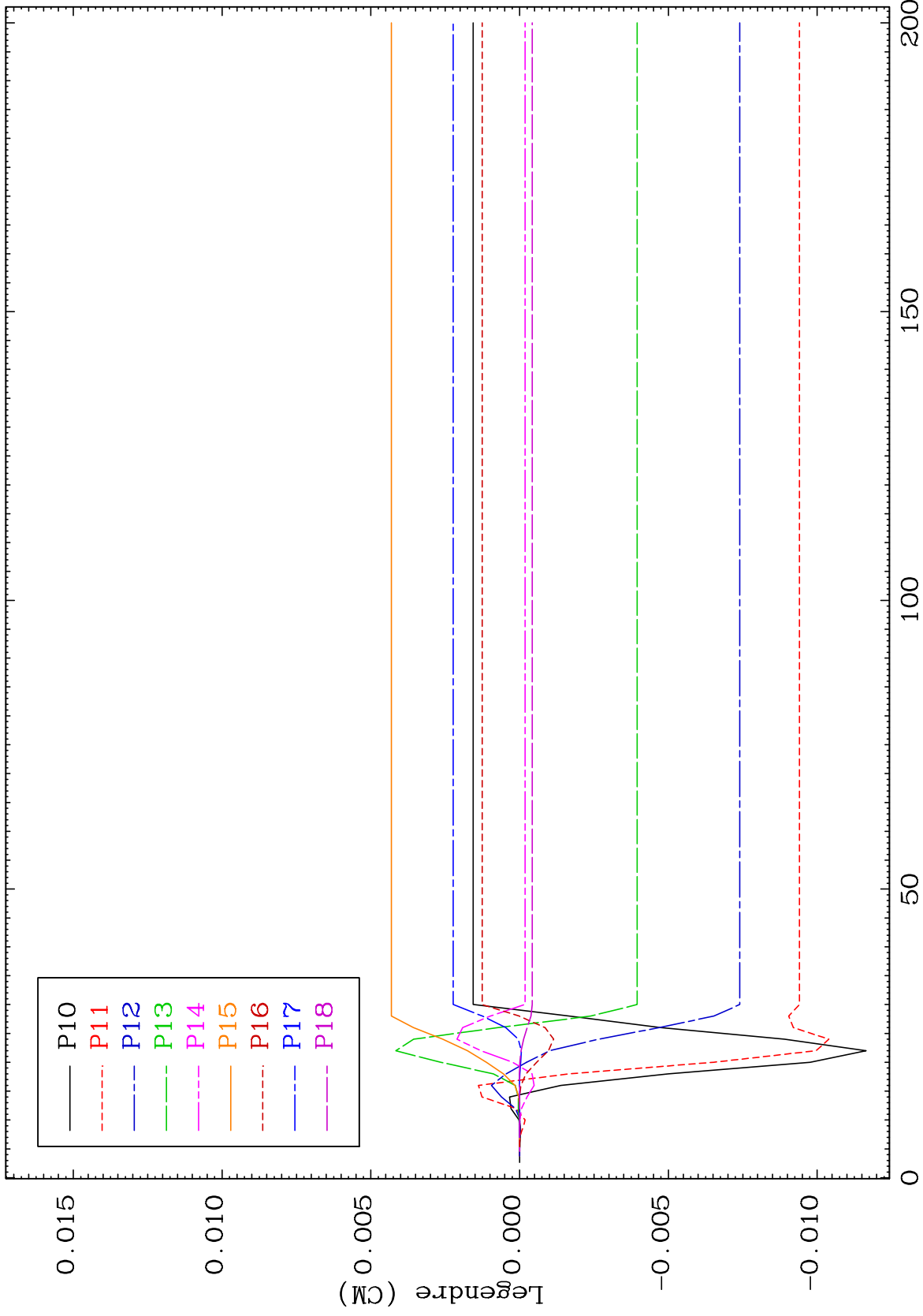
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



65

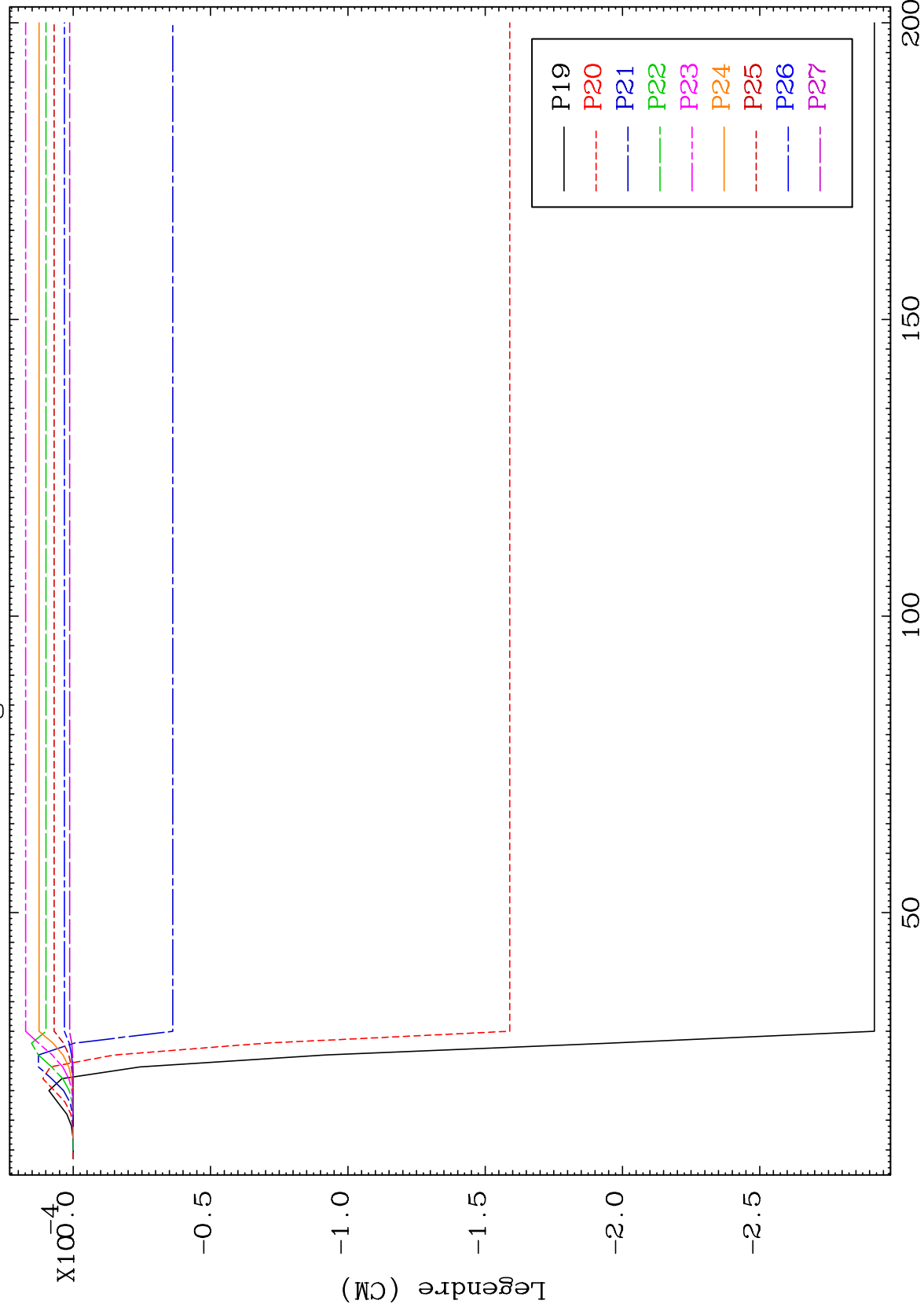
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

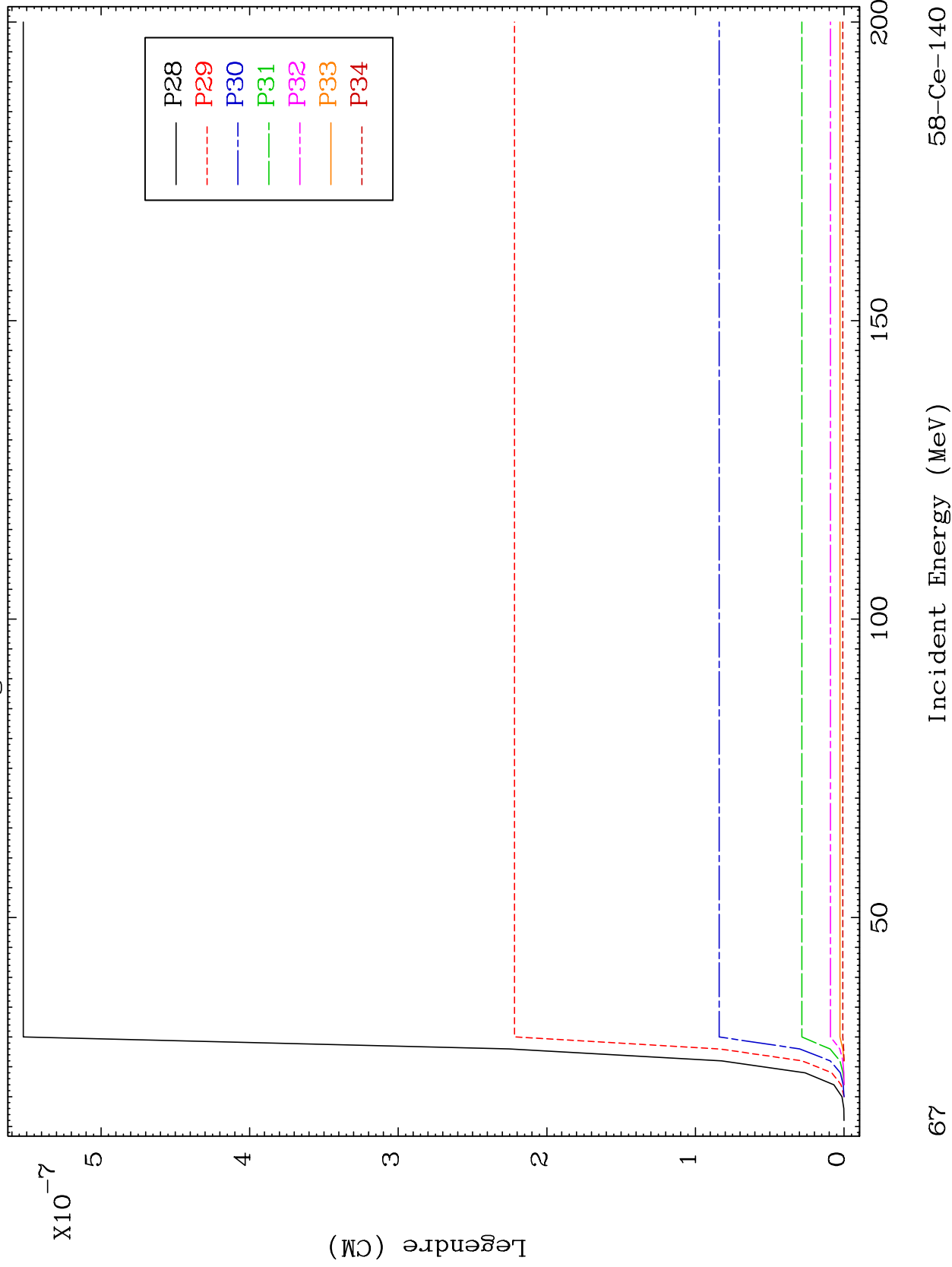
58-Ce-140



MAT 5837

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

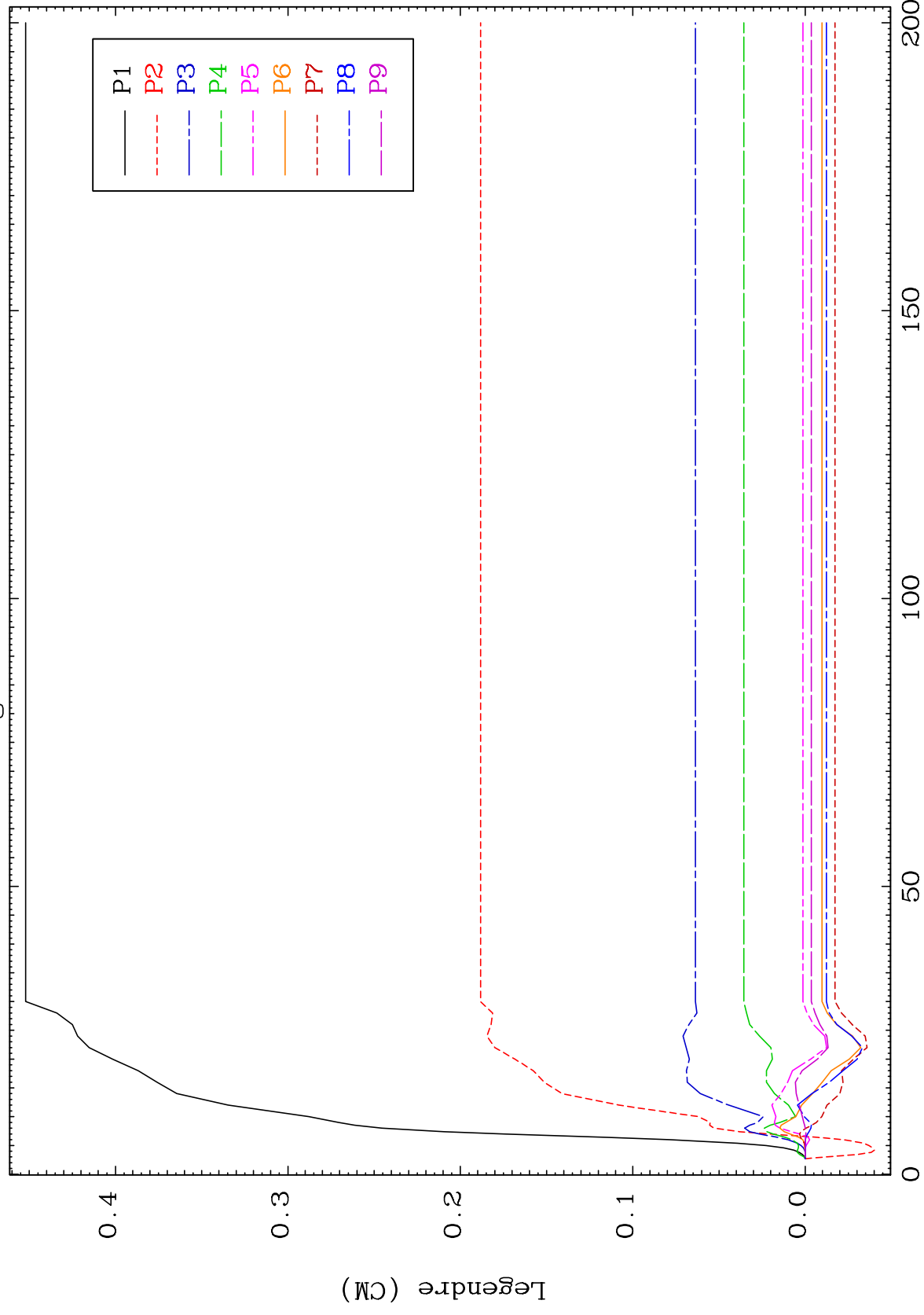
58-Ce-140



MAT 5837

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

58-Ce-140



68

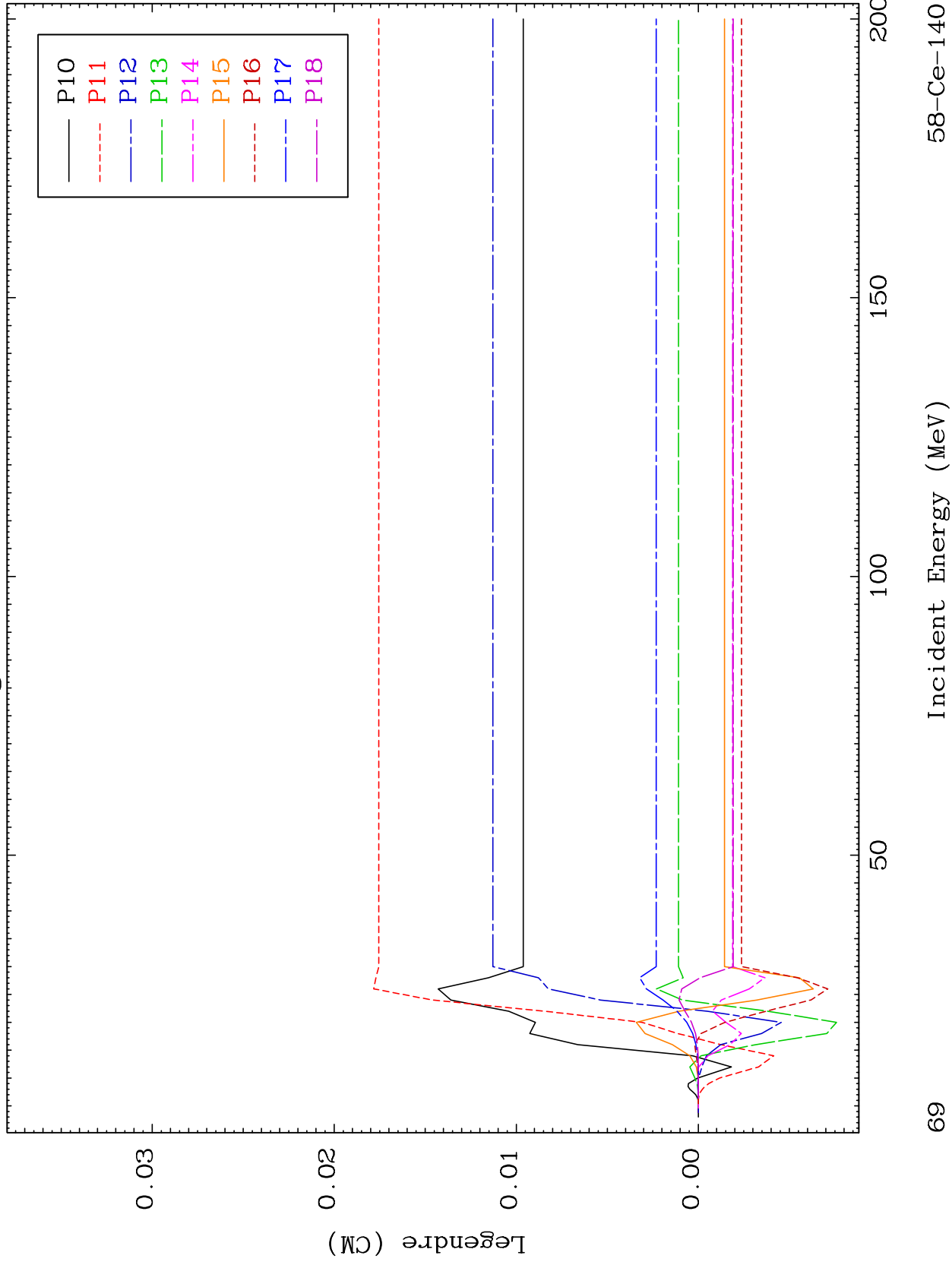
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



69

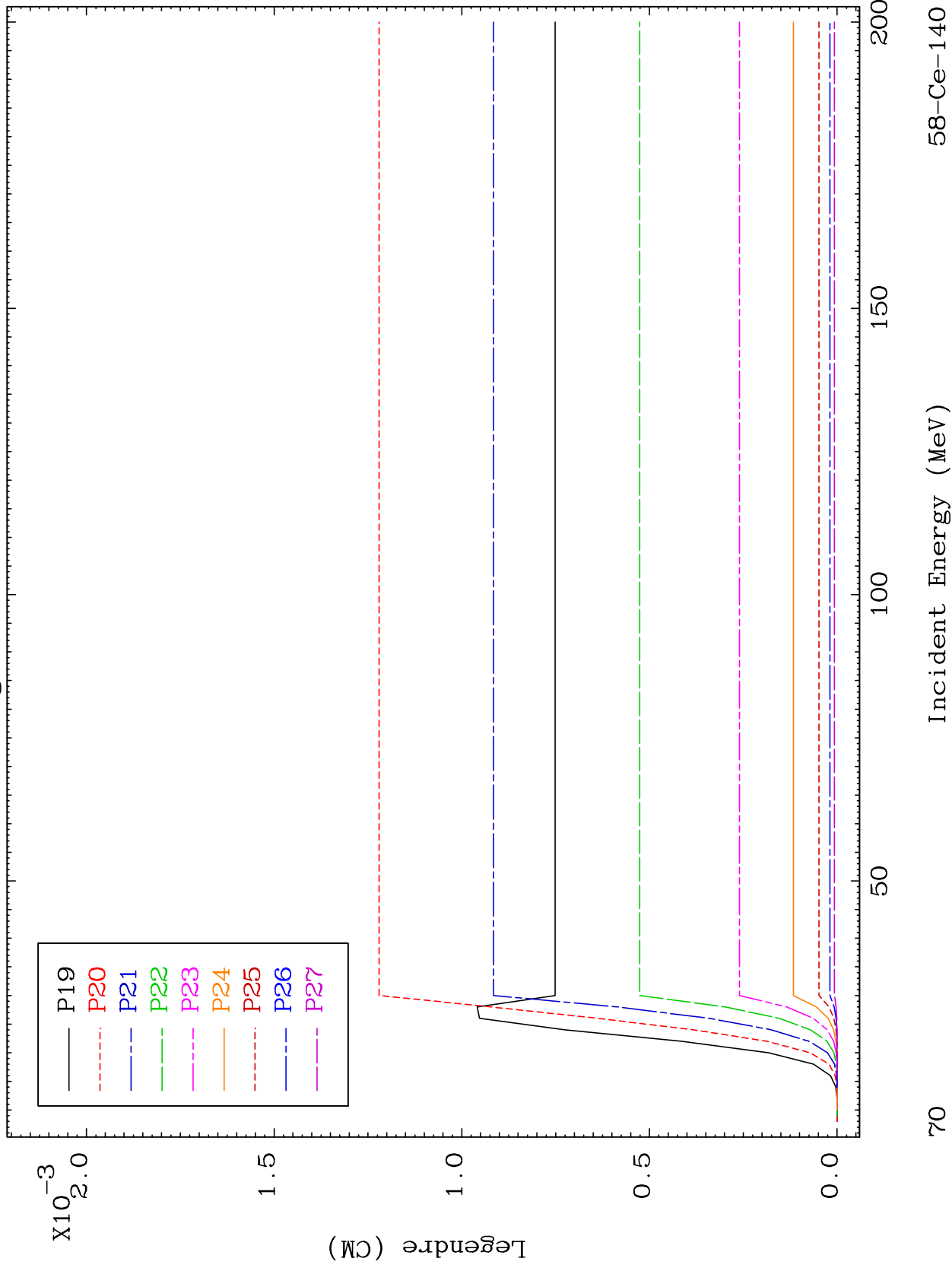
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

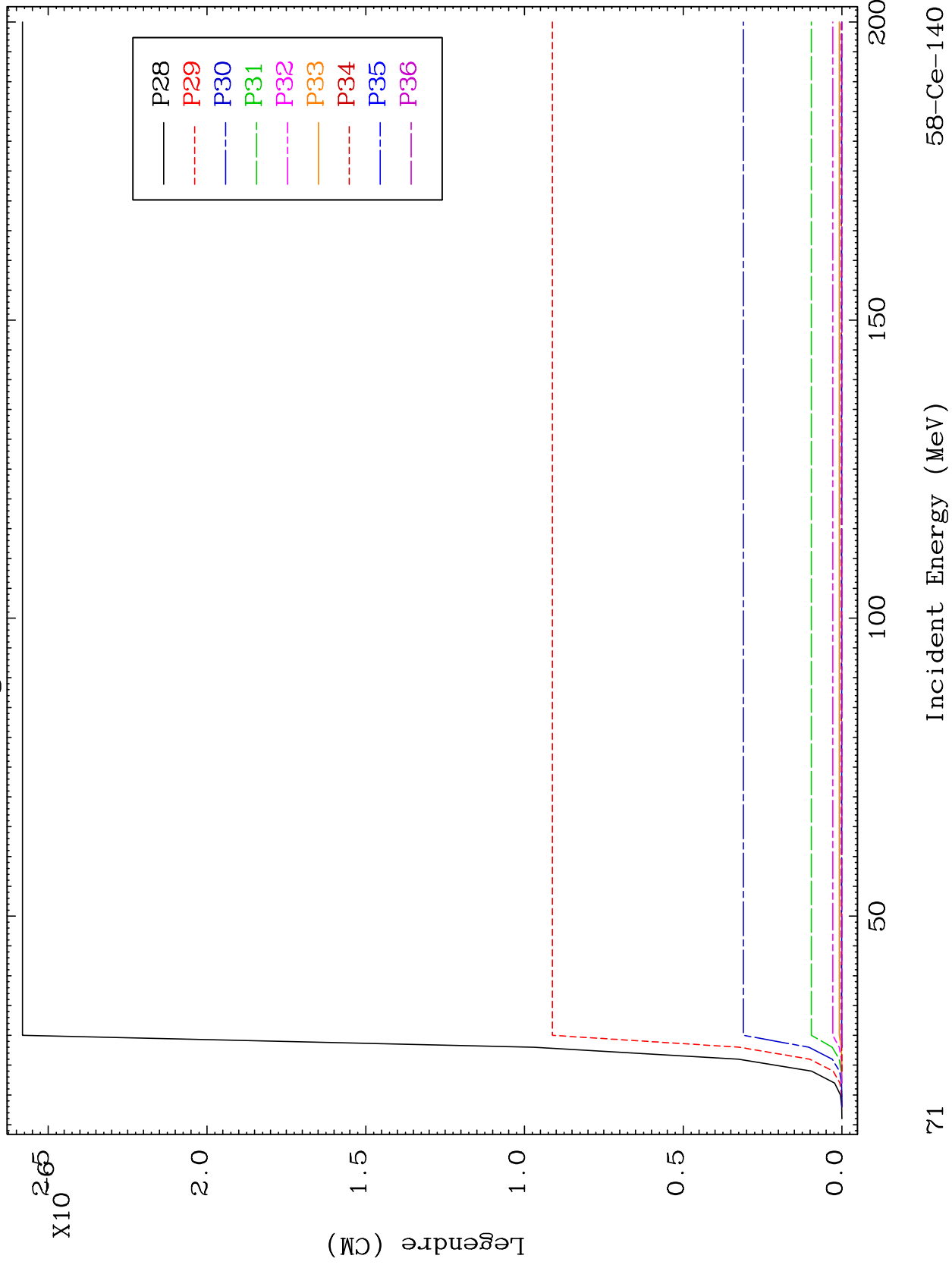
58-Ce-140



MAT 5837

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

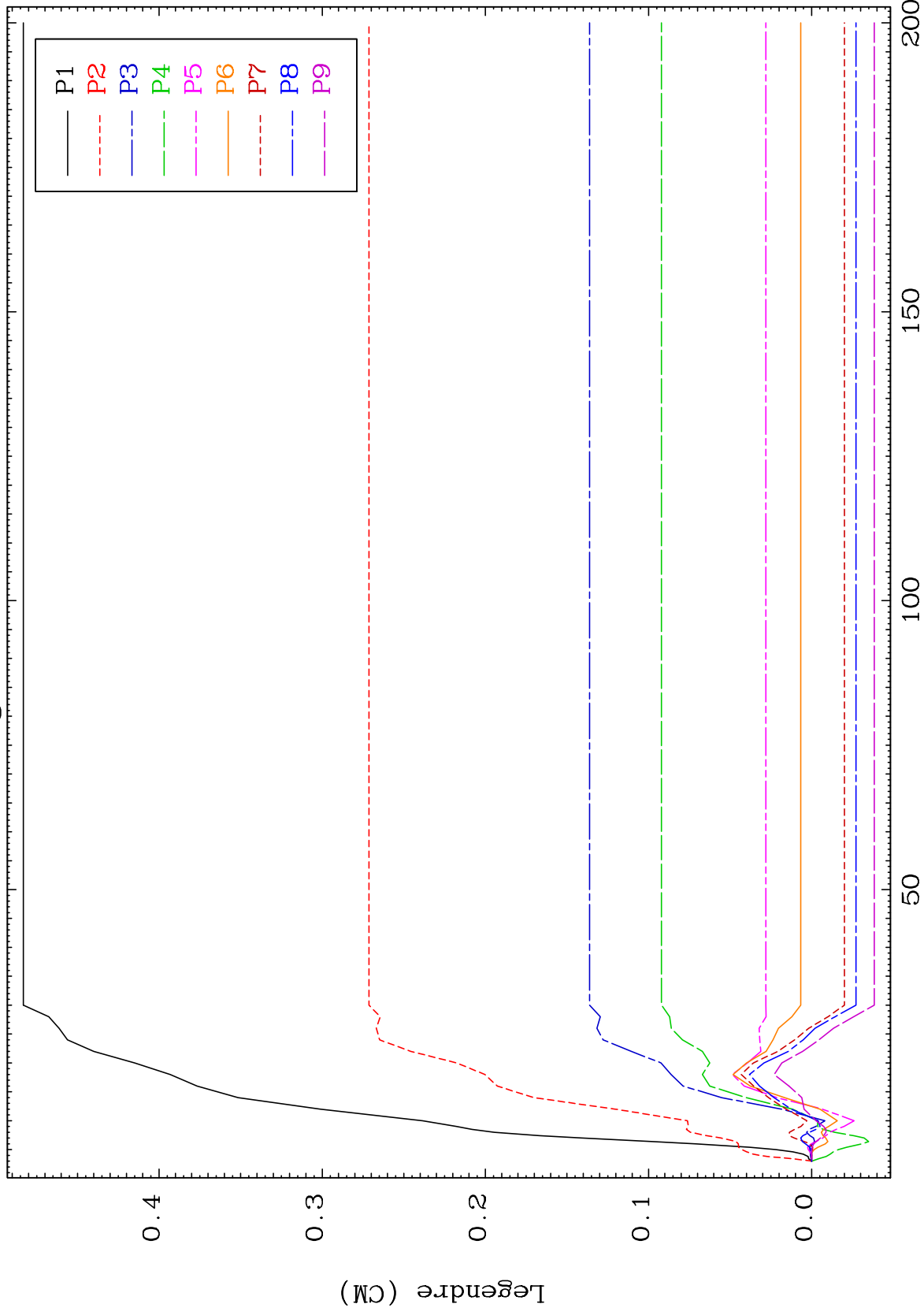
58-Ce-140



MAT 5837

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

58-Ce-140



72

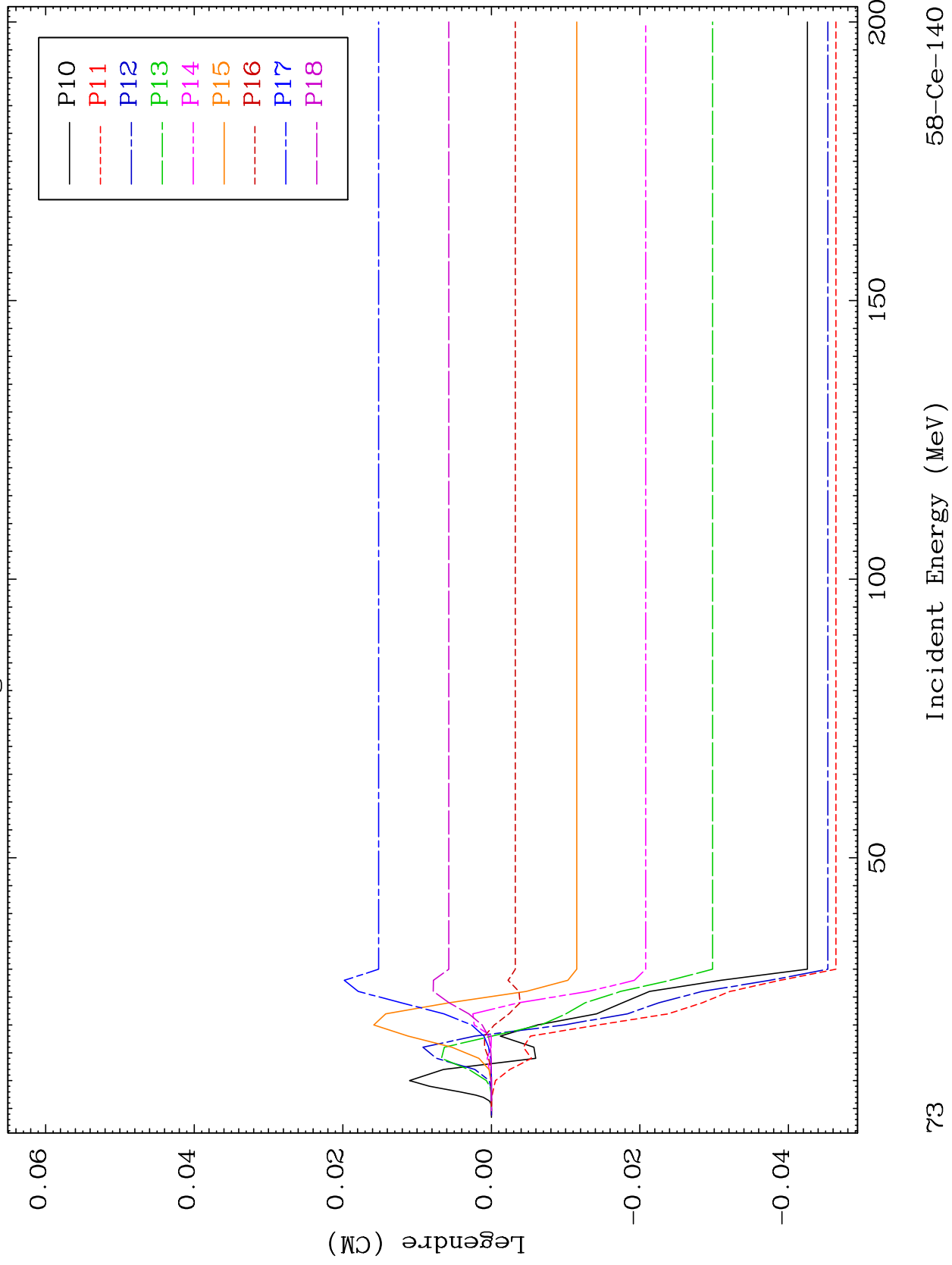
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



73

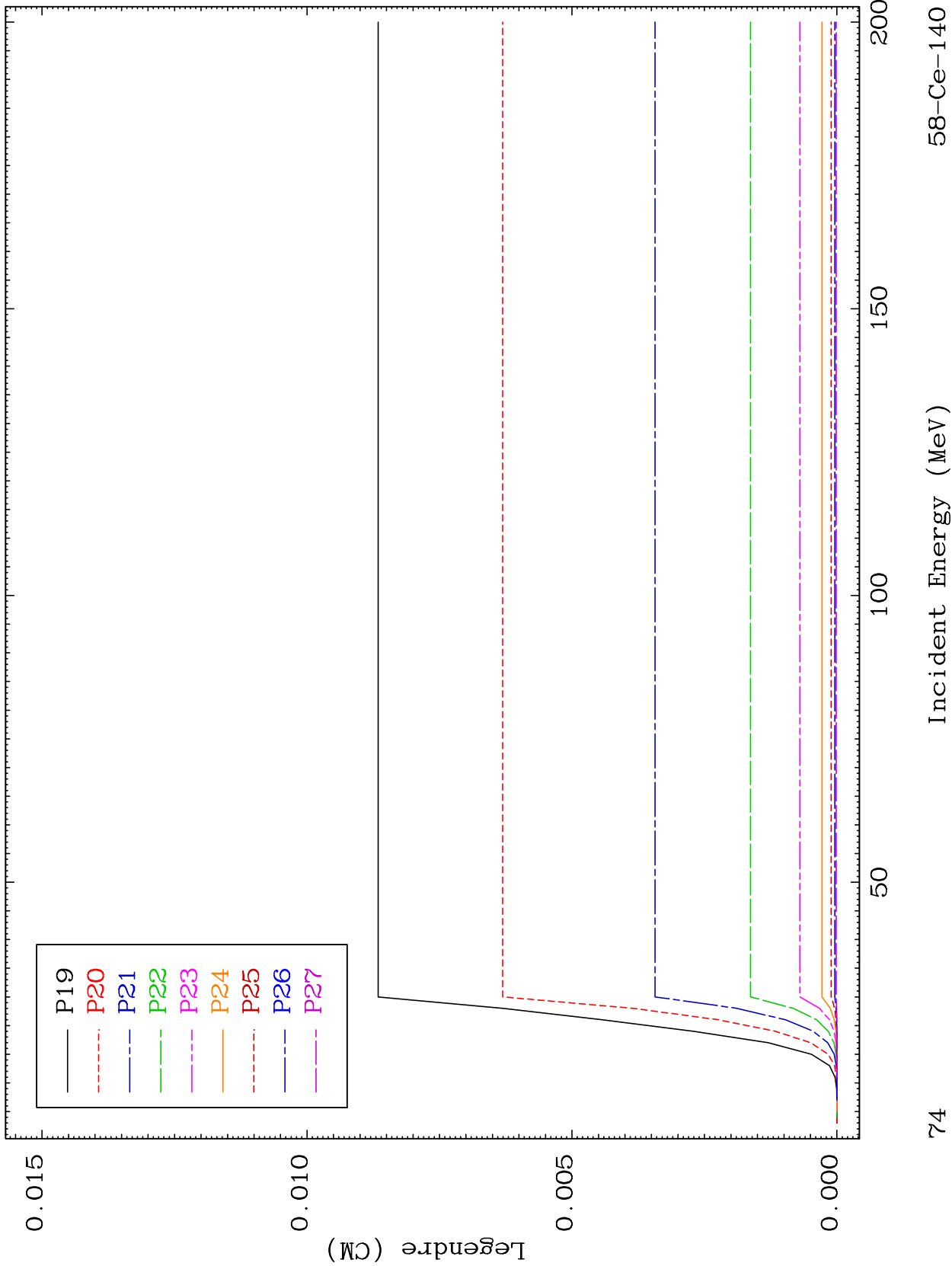
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



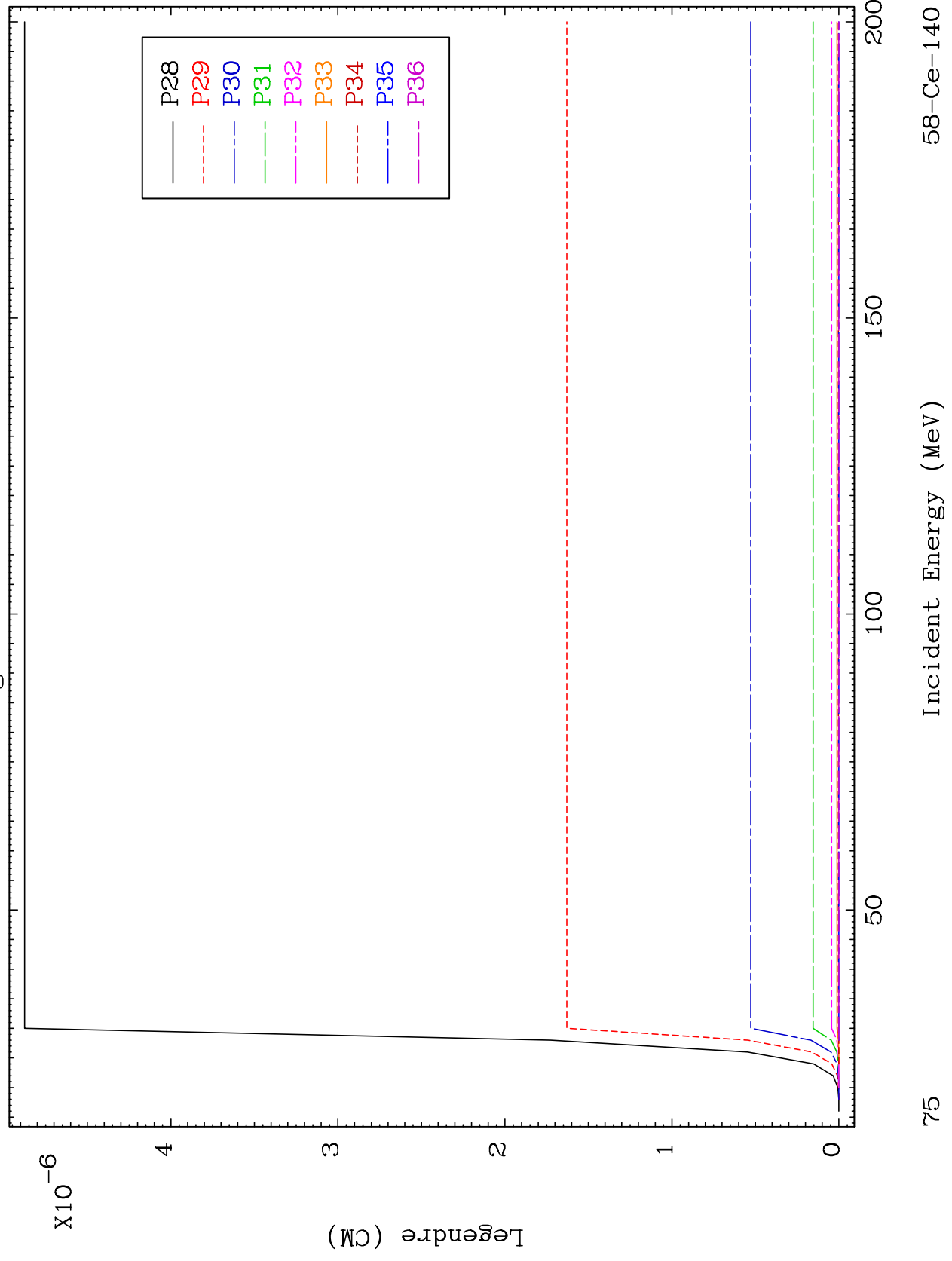
74

58-Ce-140

MAT 5837

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

58-Ce-140



75

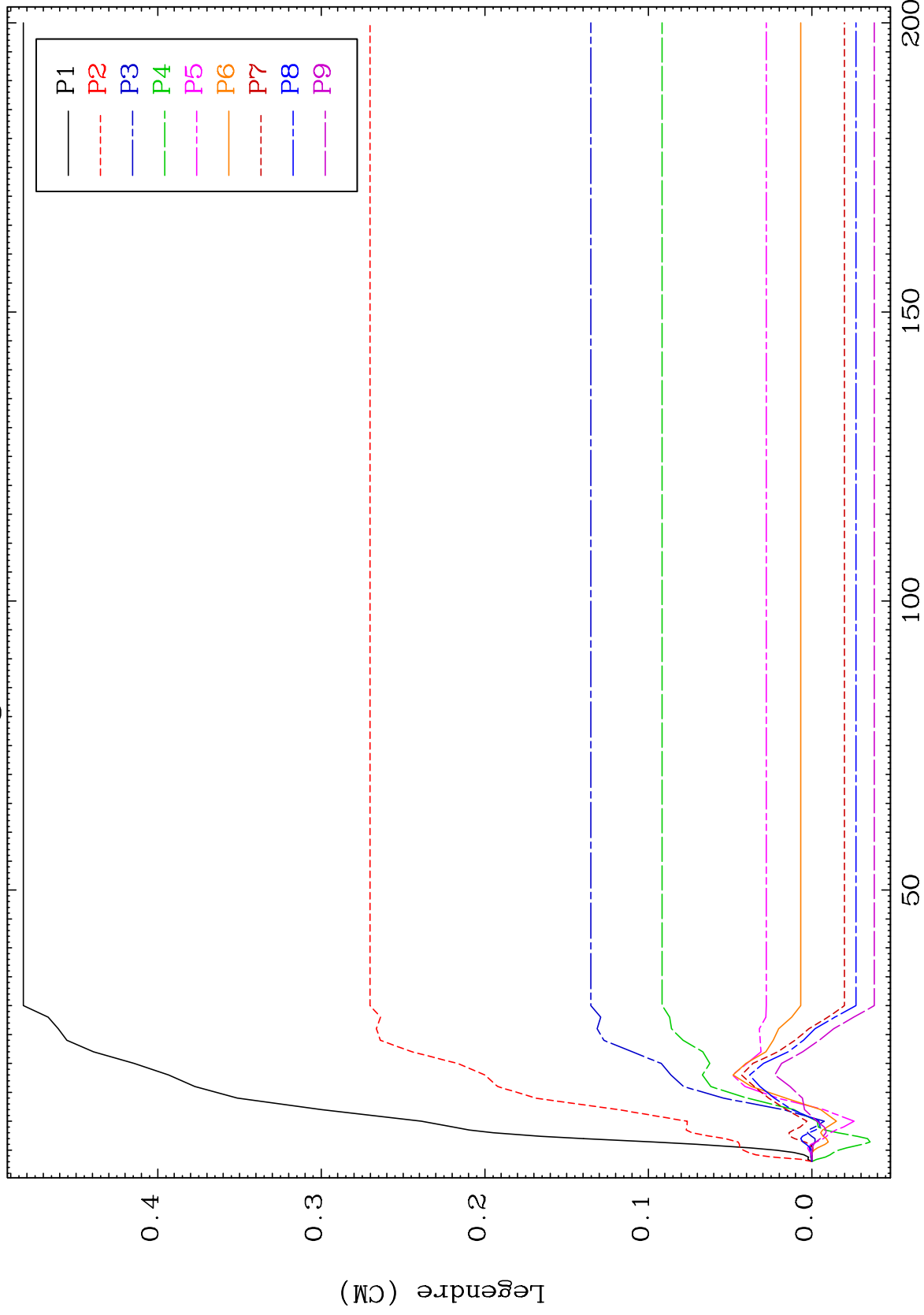
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



76

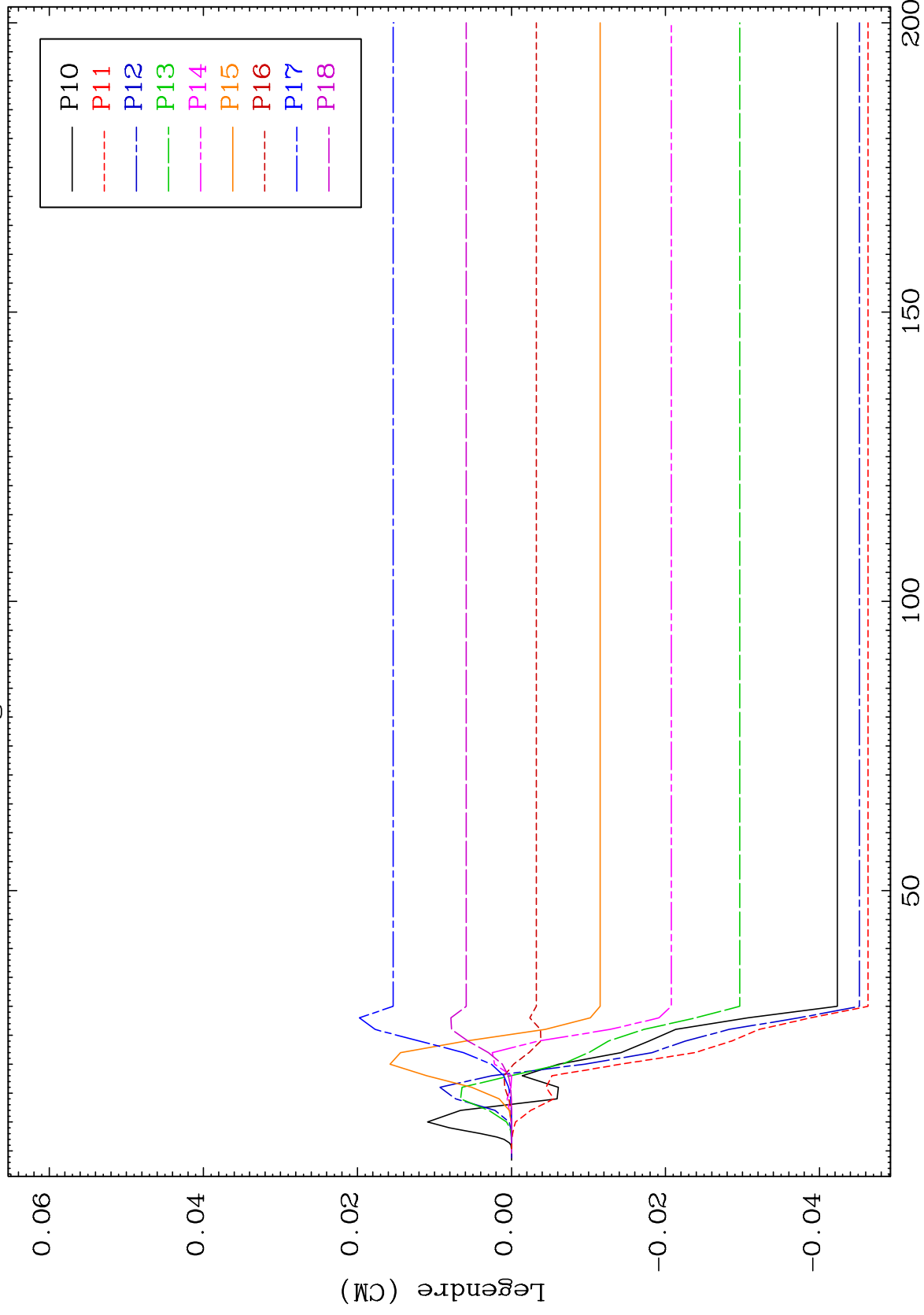
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



77

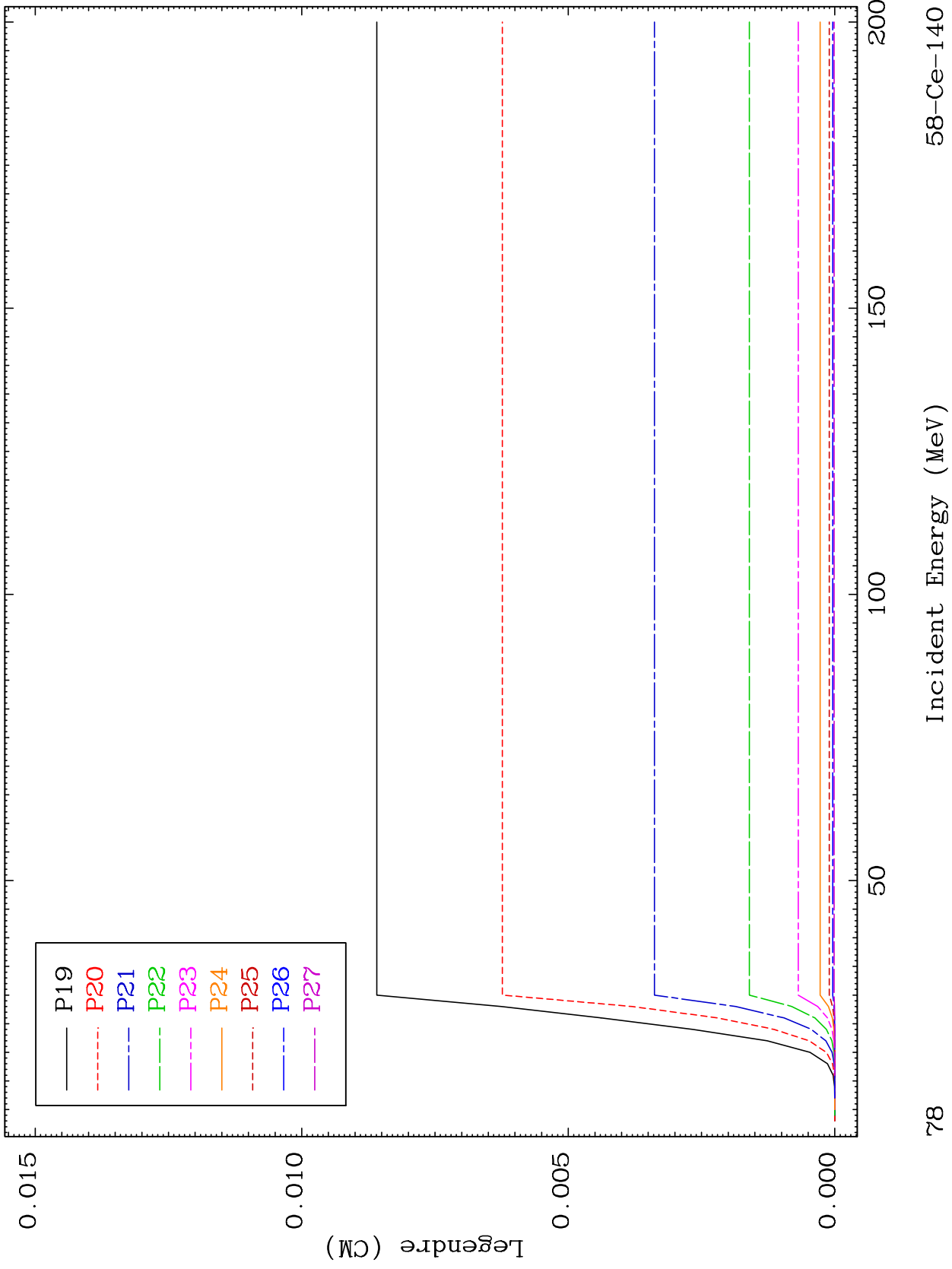
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



78

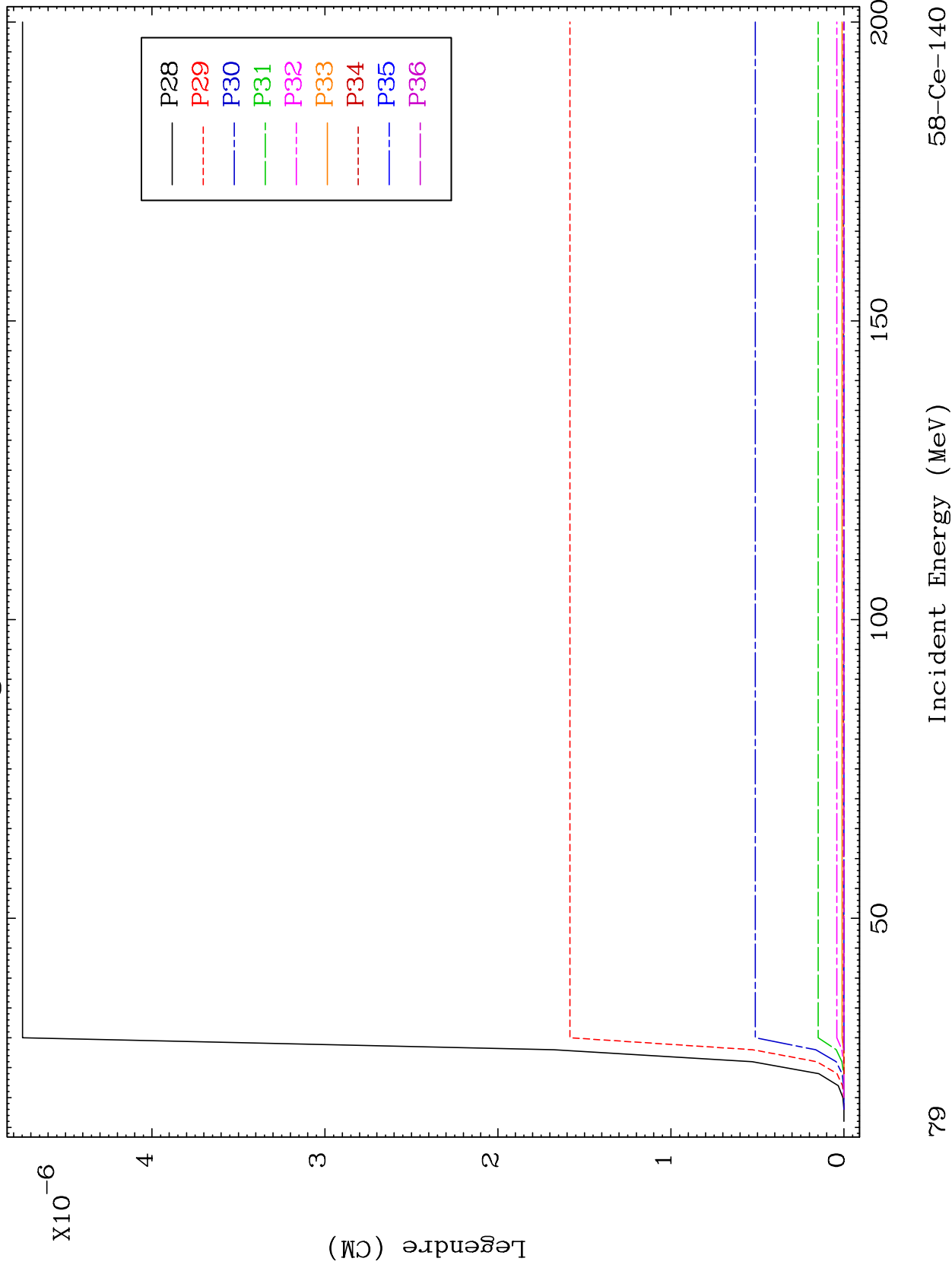
Incident Energy (MeV)

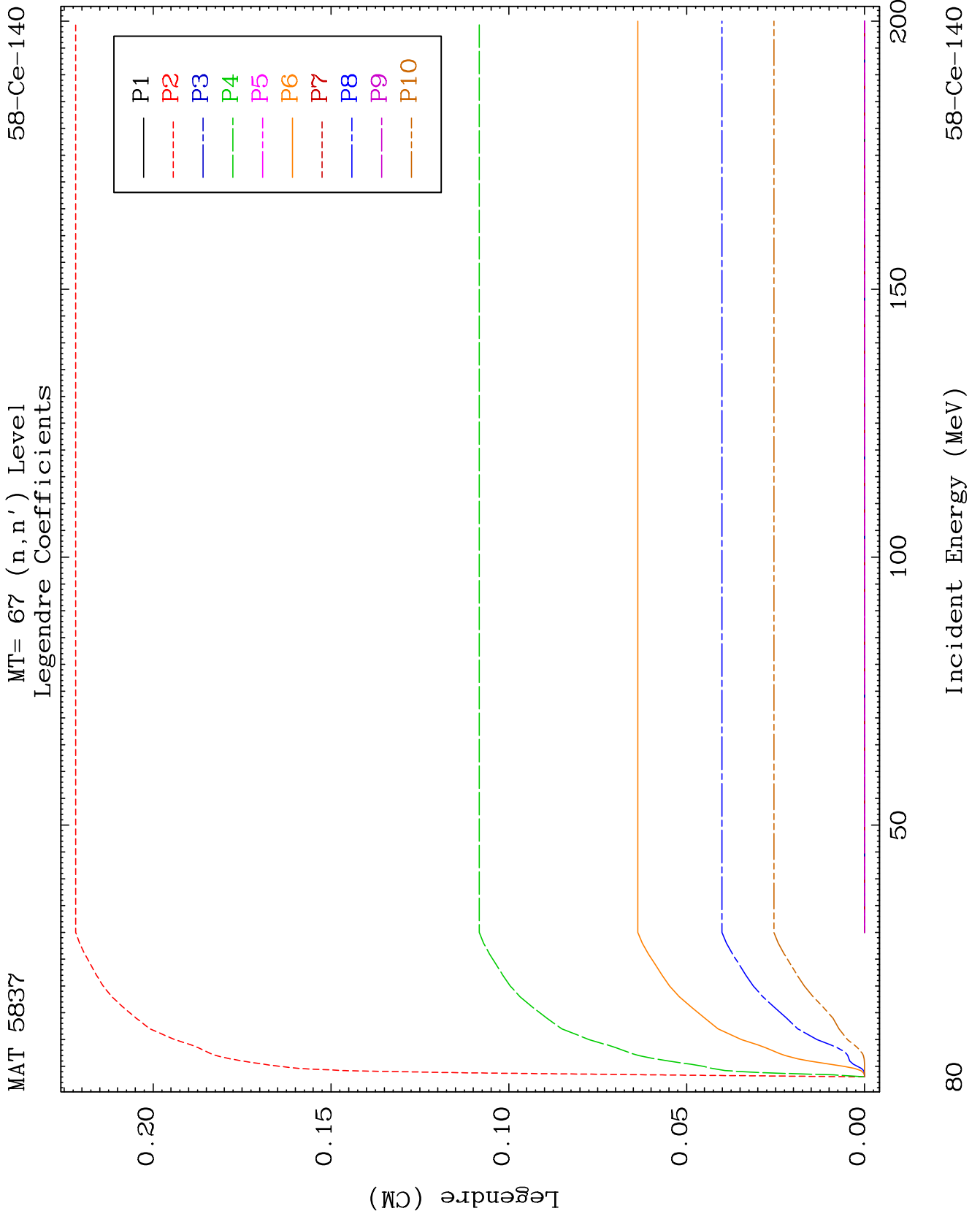
58-Ce-140

MAT 5837

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

58-Ce-140

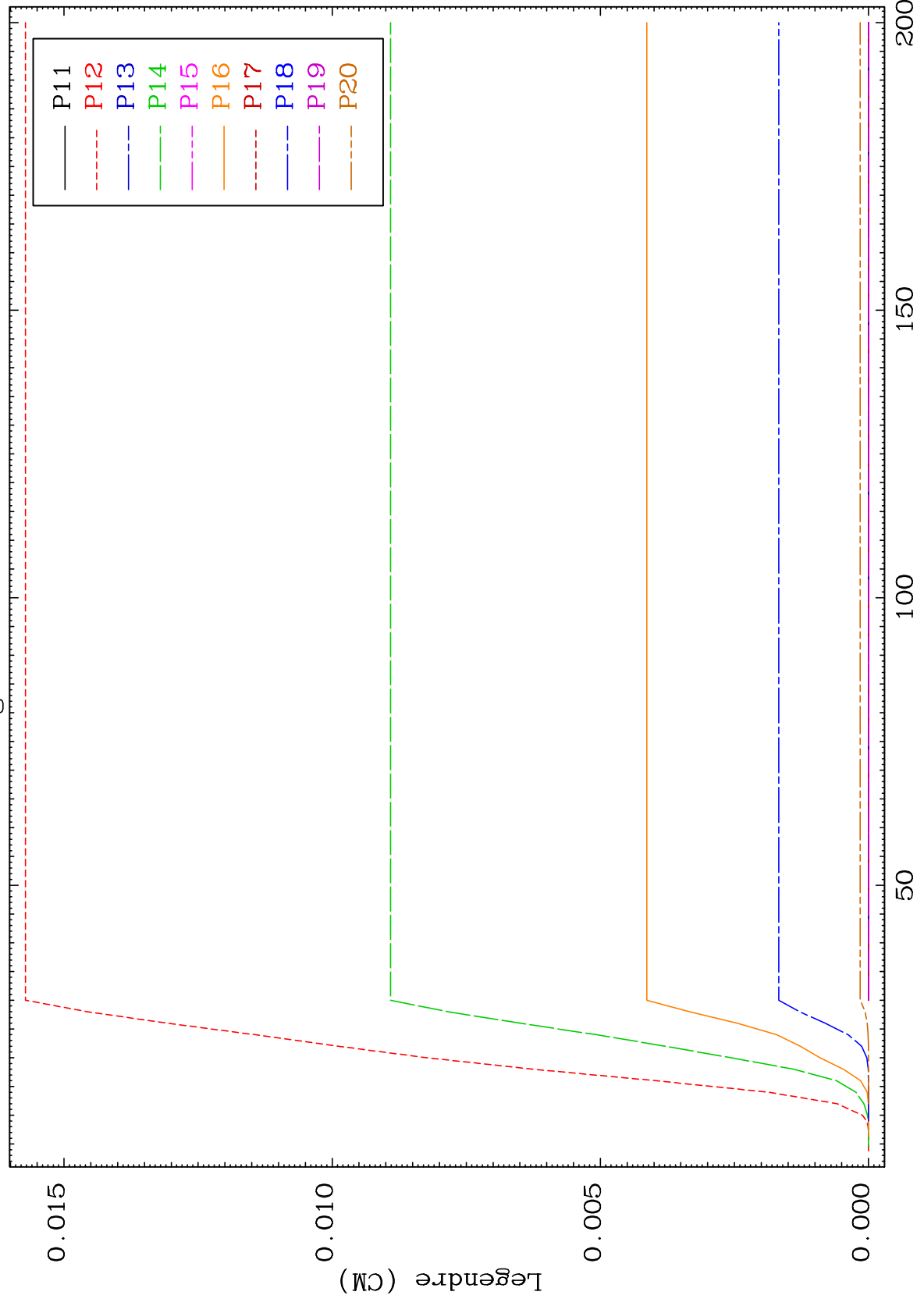




MAT 5837

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

58-Ce-140



81

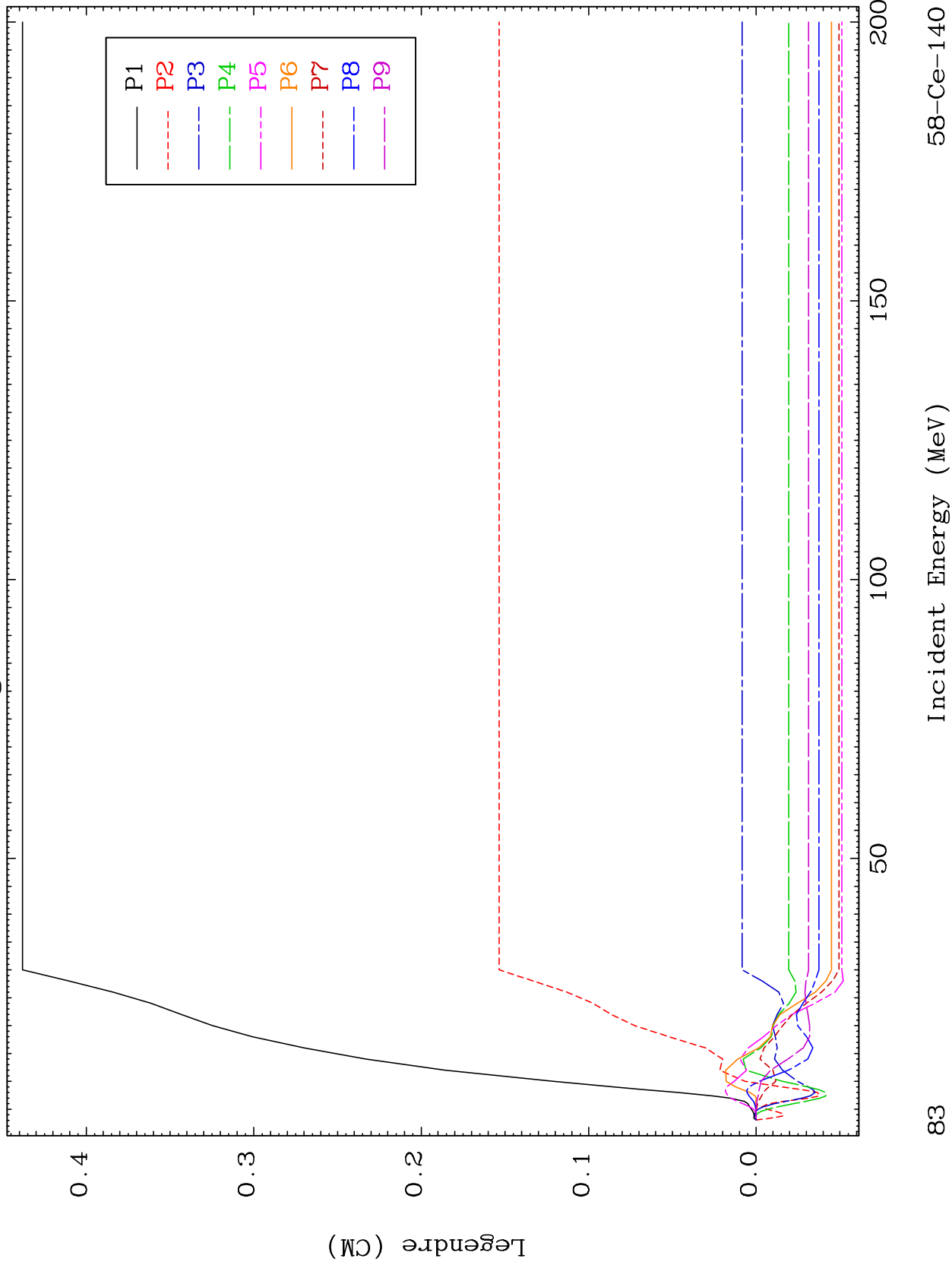
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



83

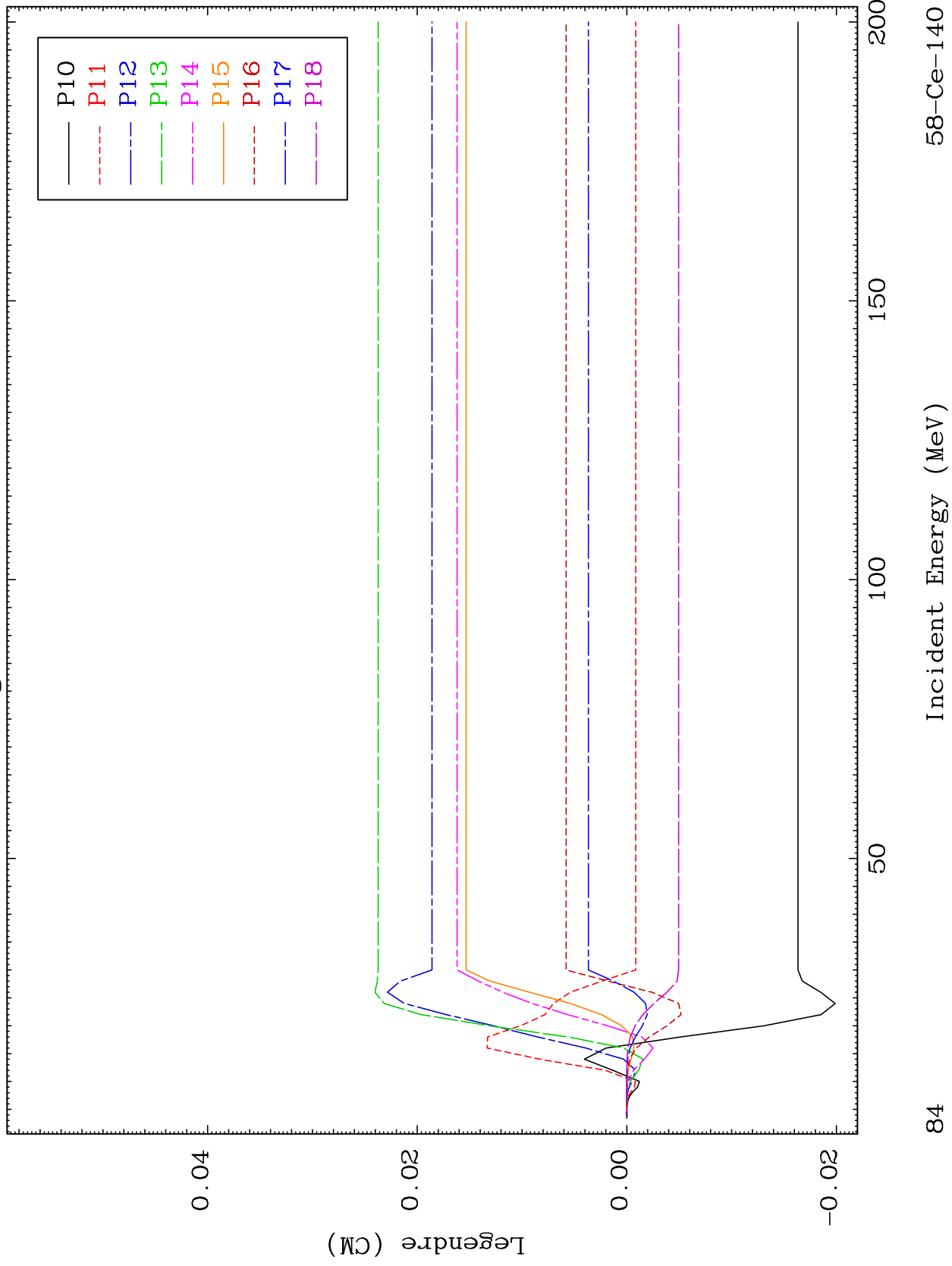
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



84

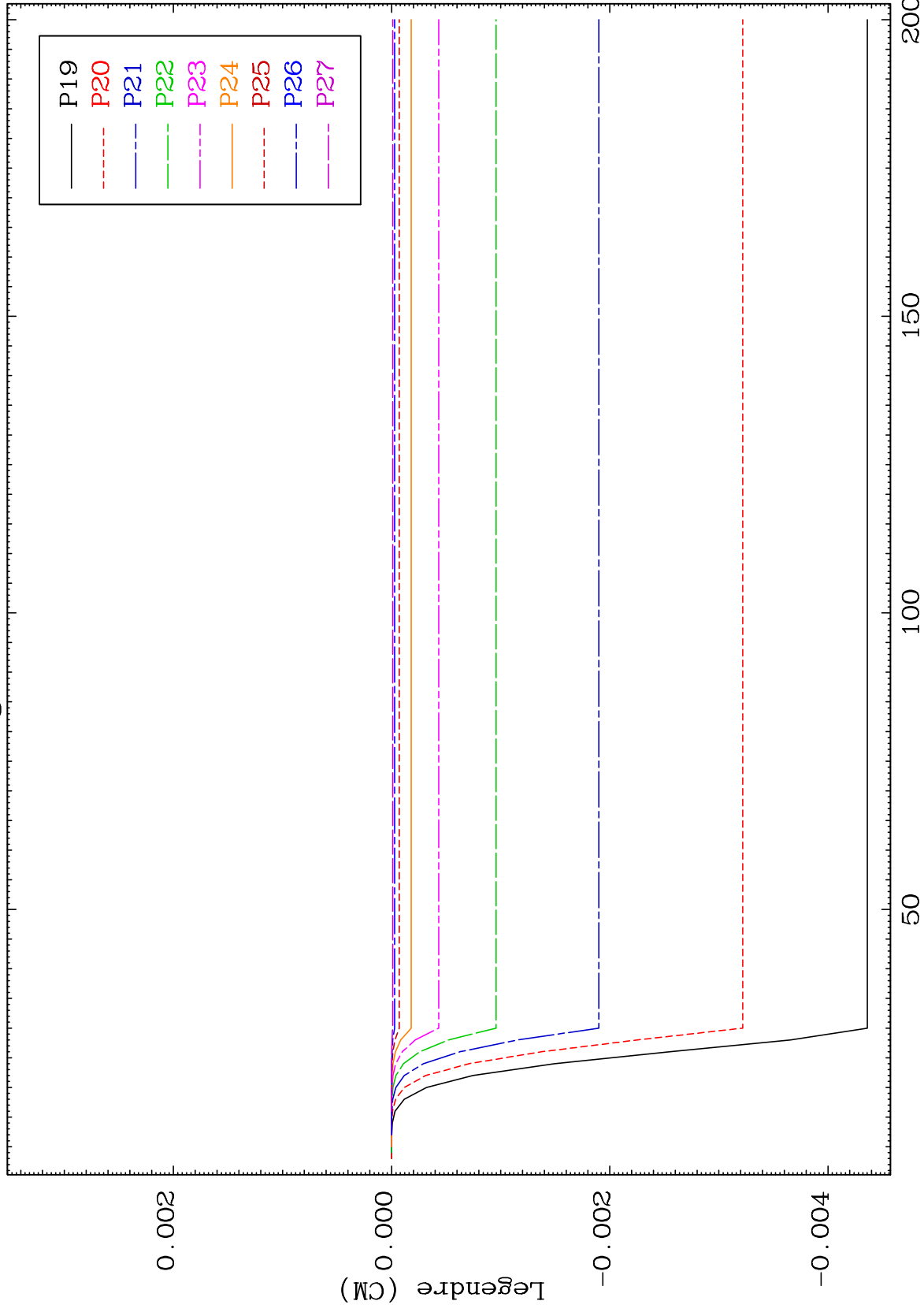
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



85

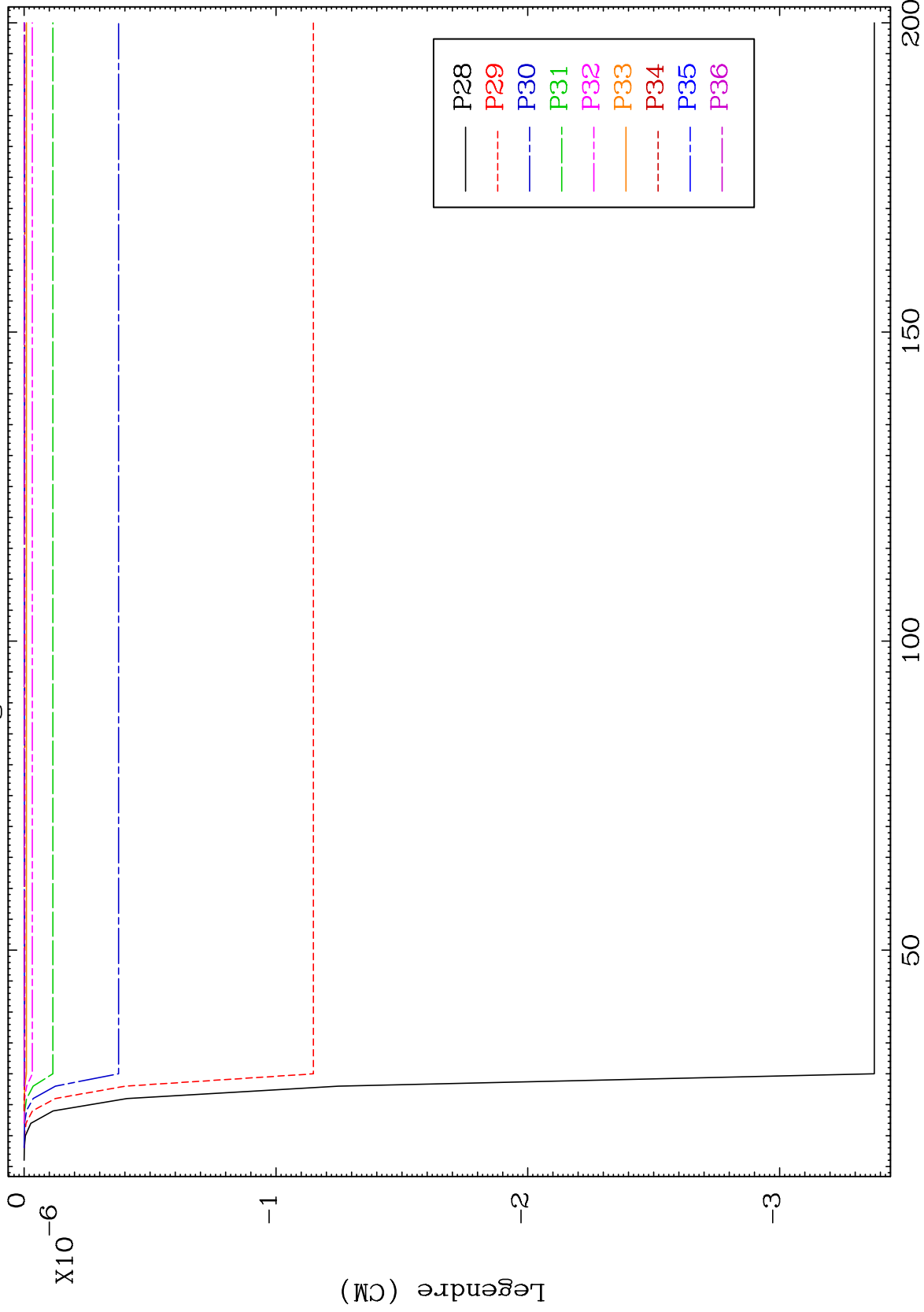
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



86

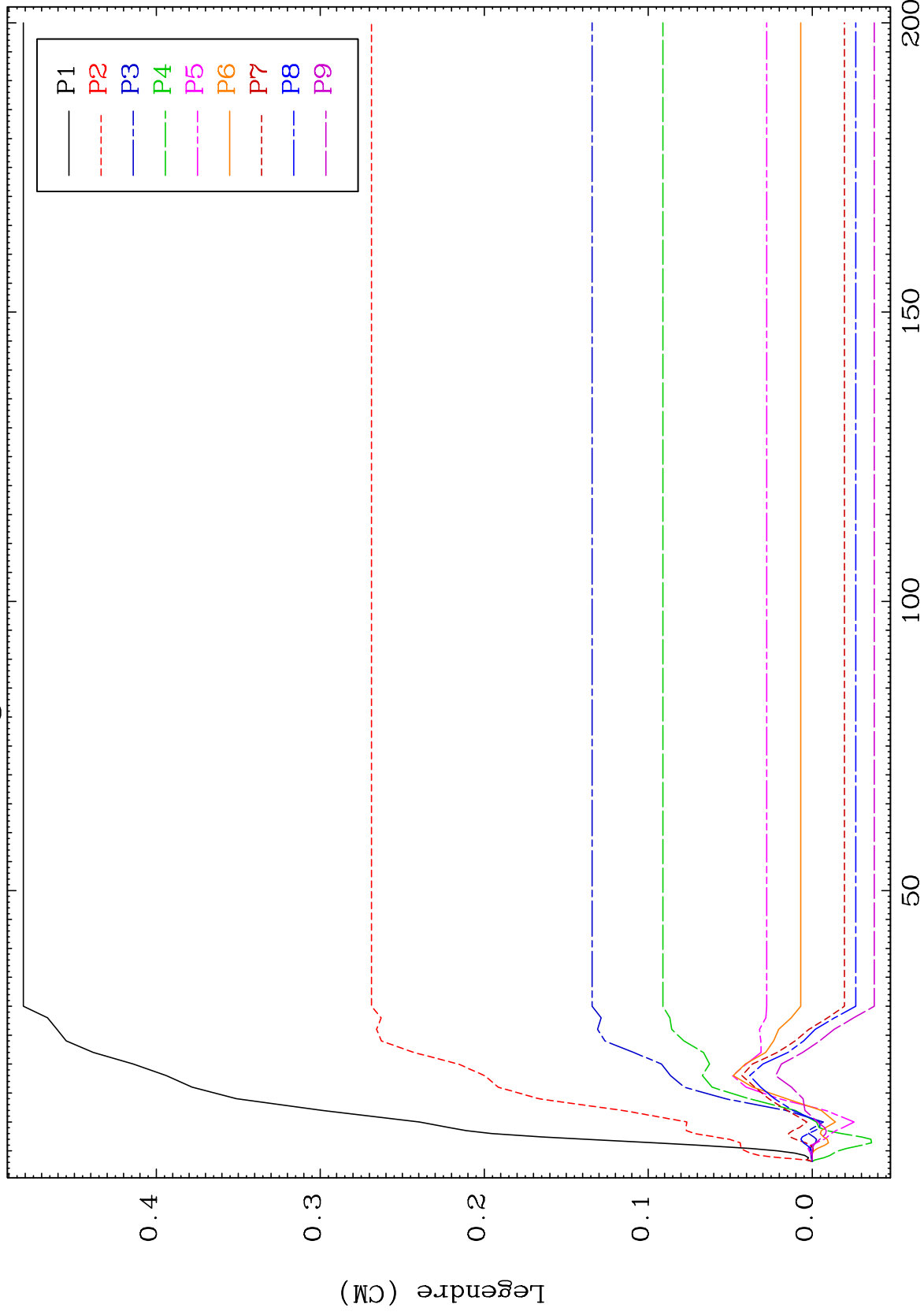
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



87

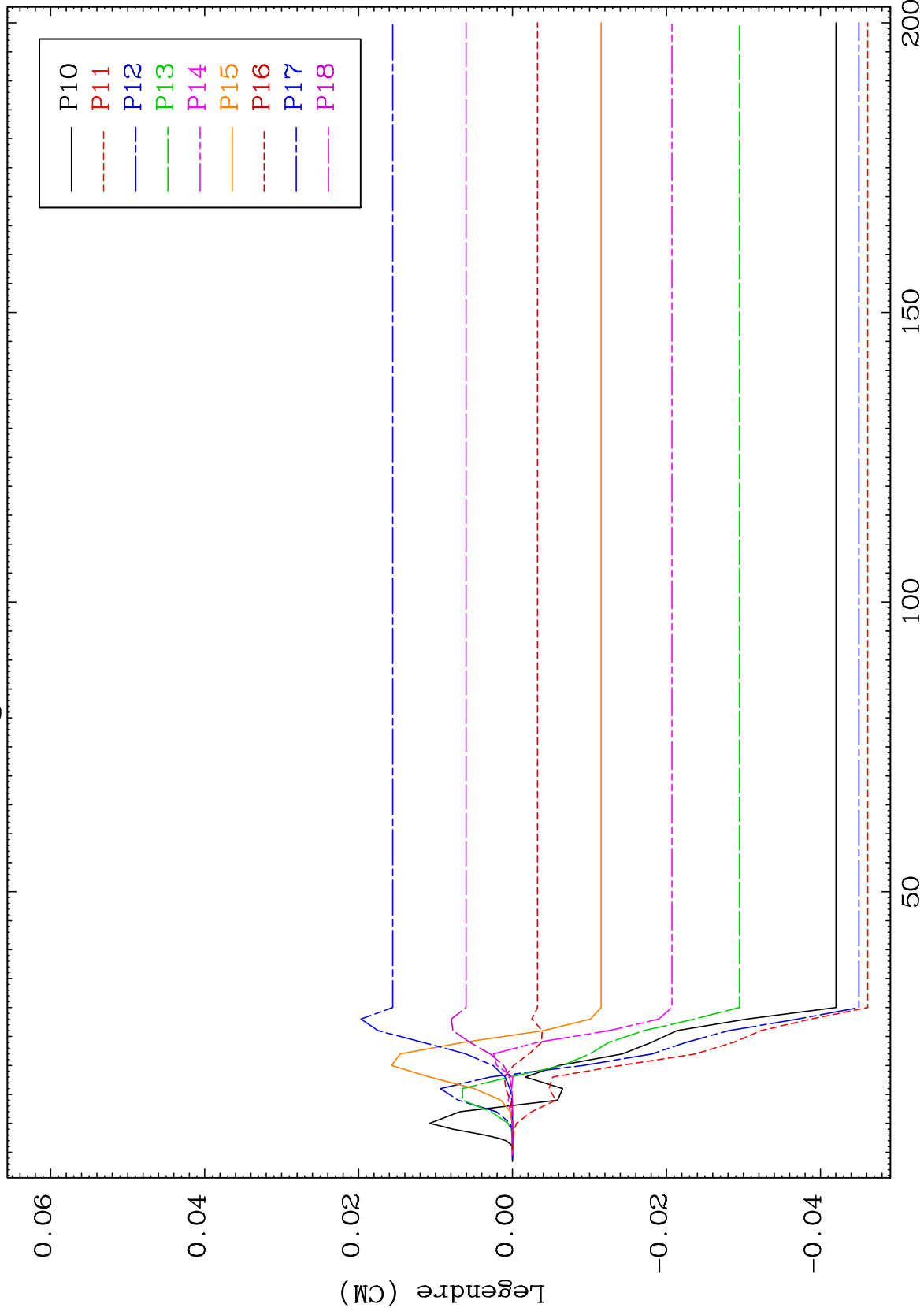
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



88

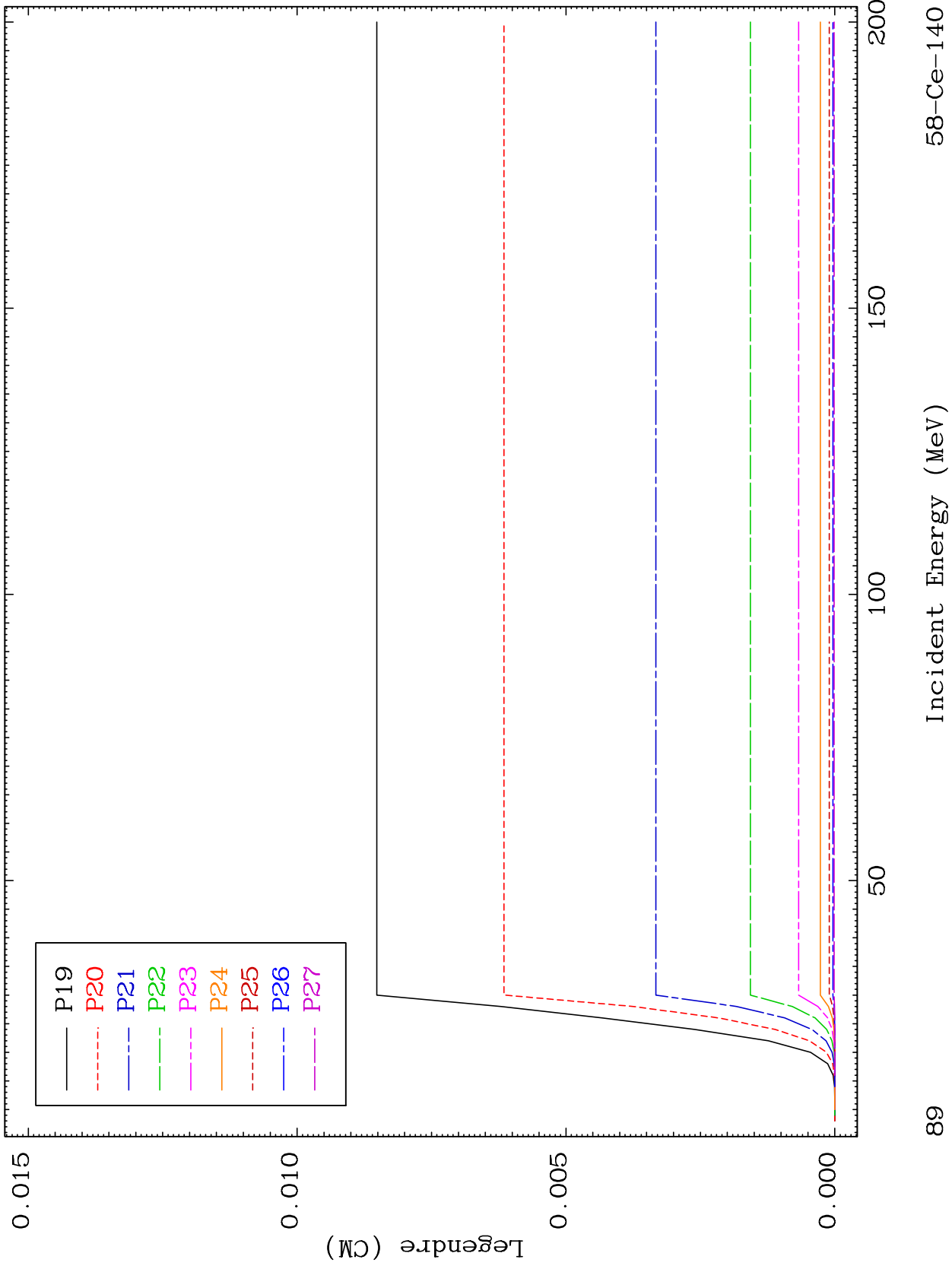
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140

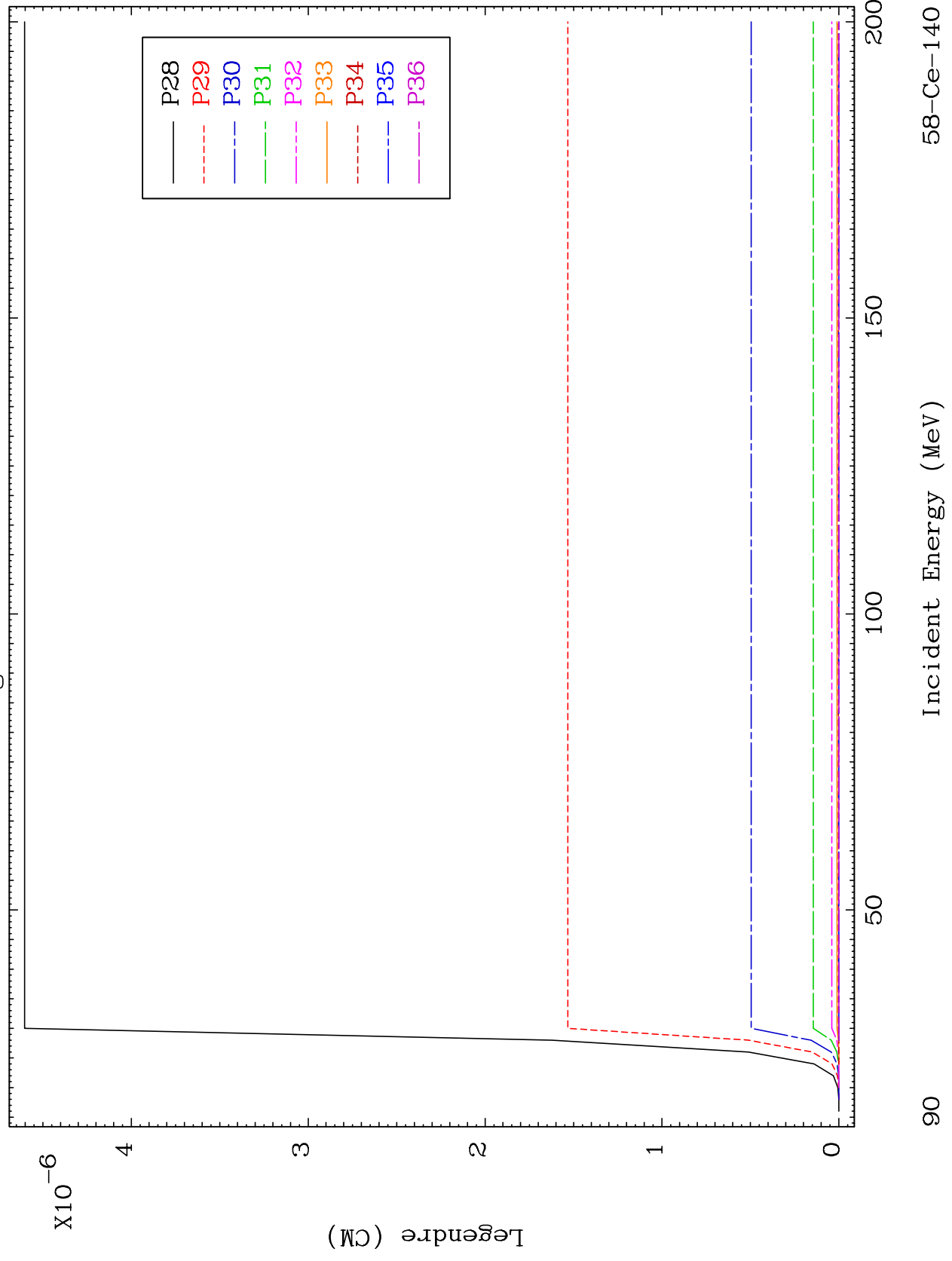


89

MAT 5837

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

58-Ce-140



58-Ce-140

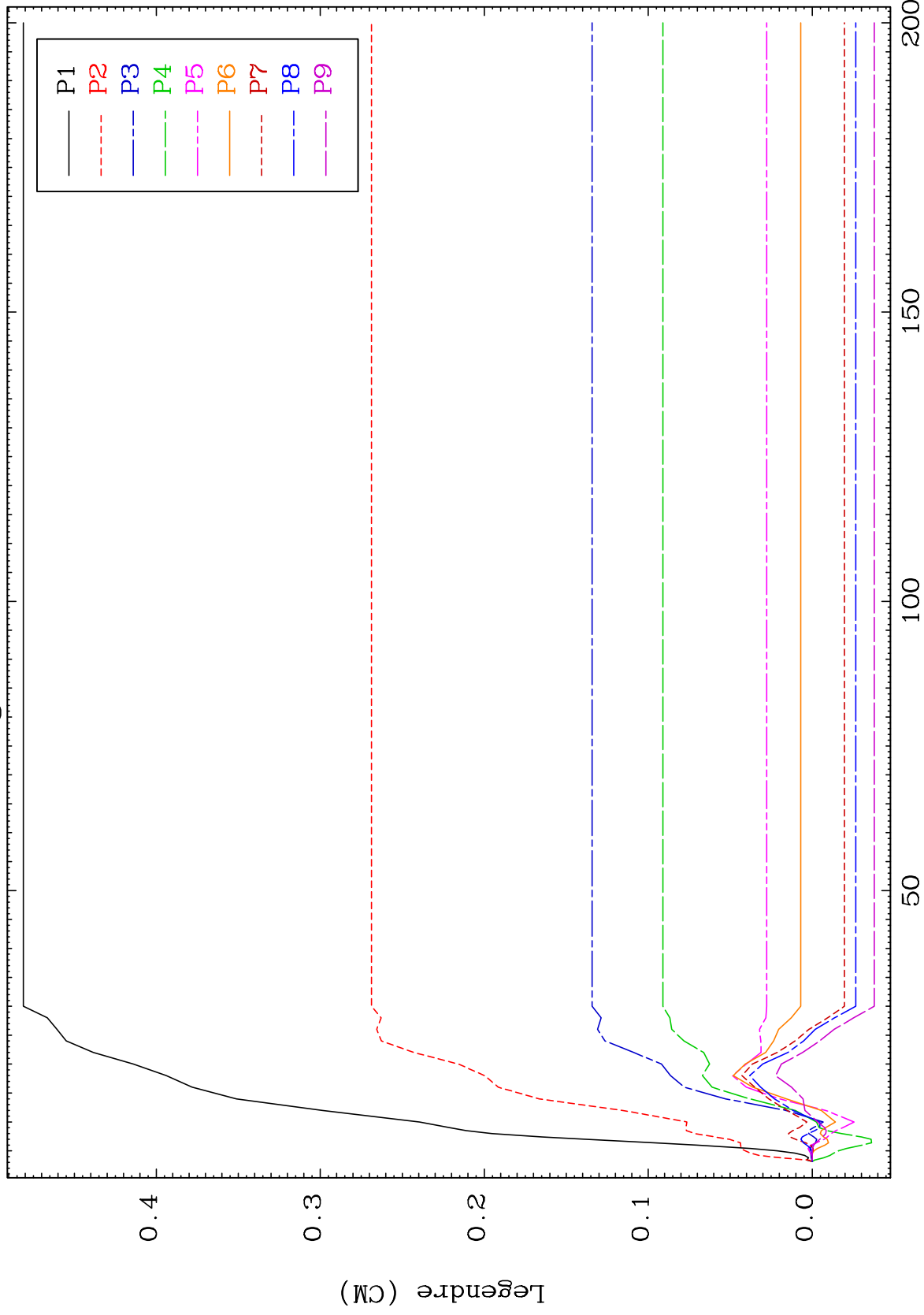
Incident Energy (MeV)

90

MAT 5837

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

58-Ce-140



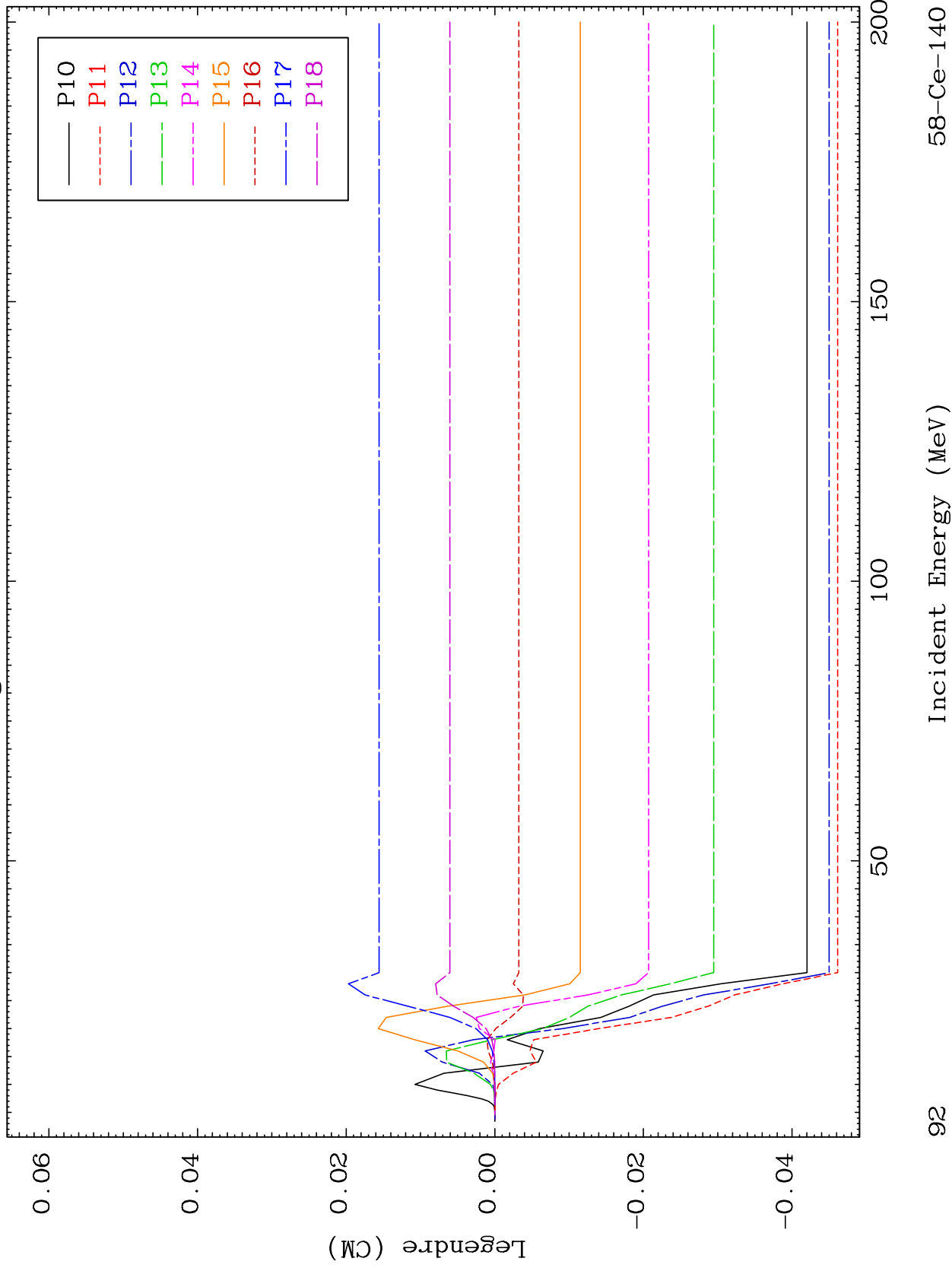
91

58-Ce-140

MAT 5837

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

58-Ce-140

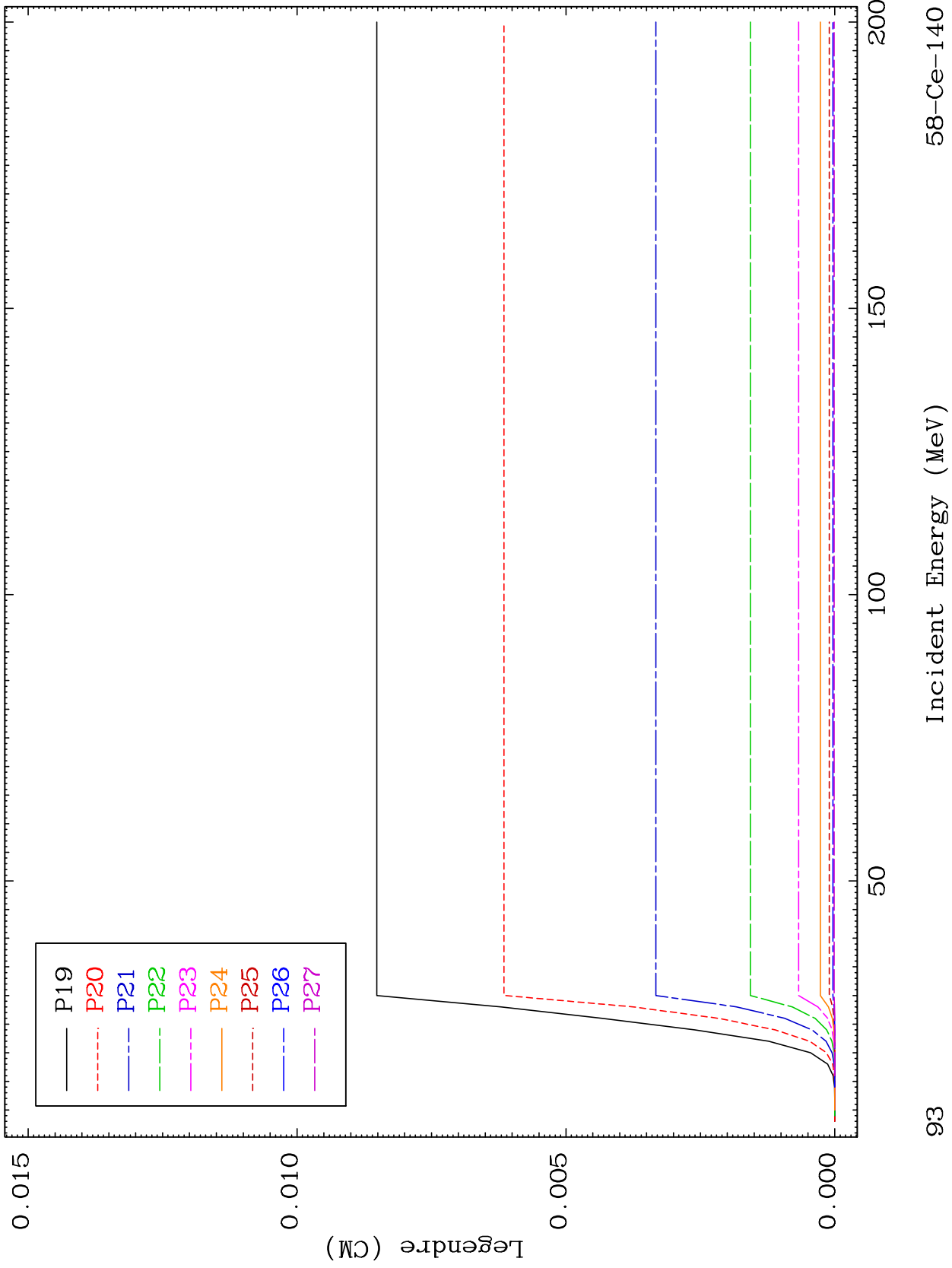


92

MAT 5837

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

58-Ce-140



93

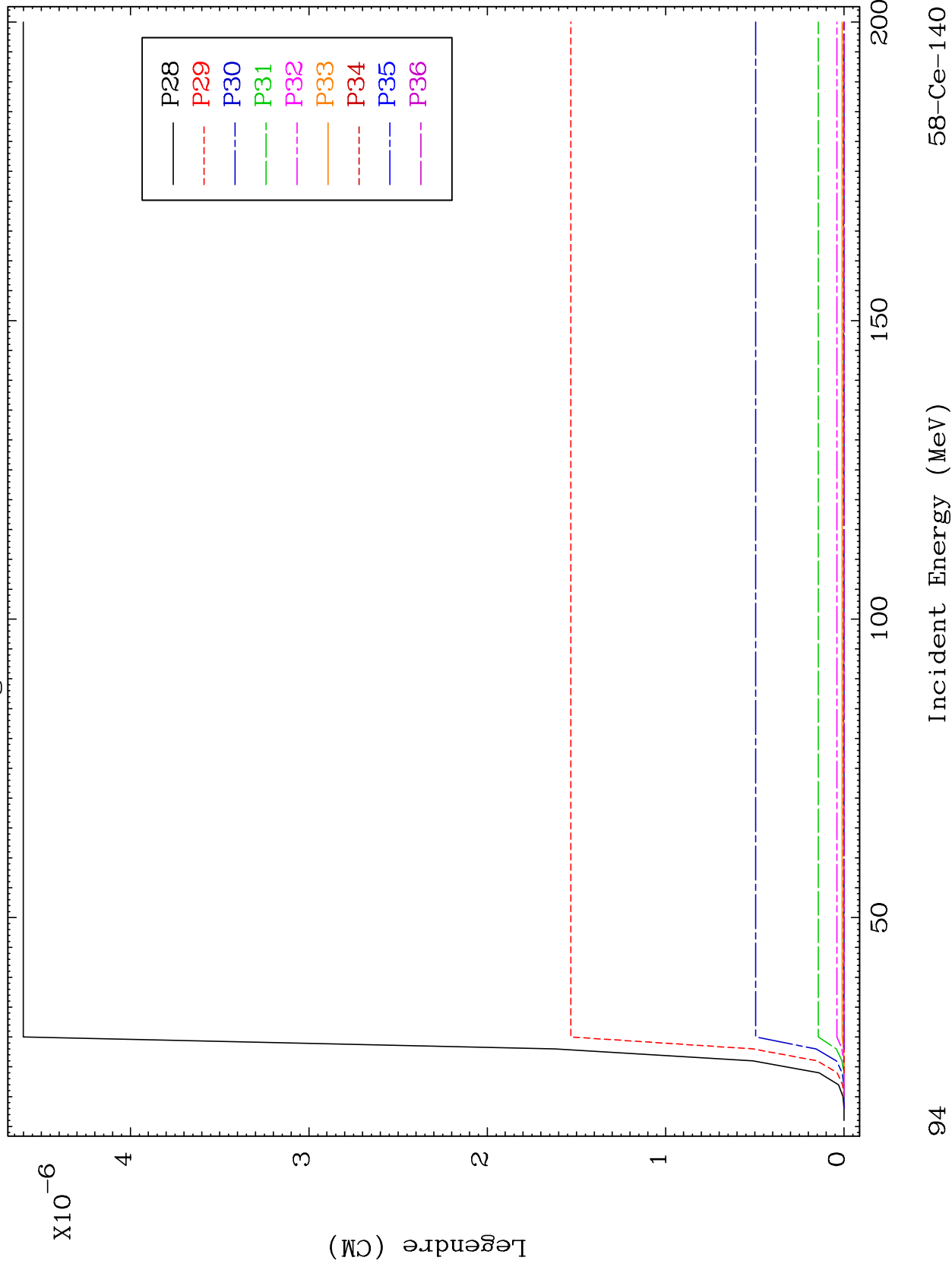
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

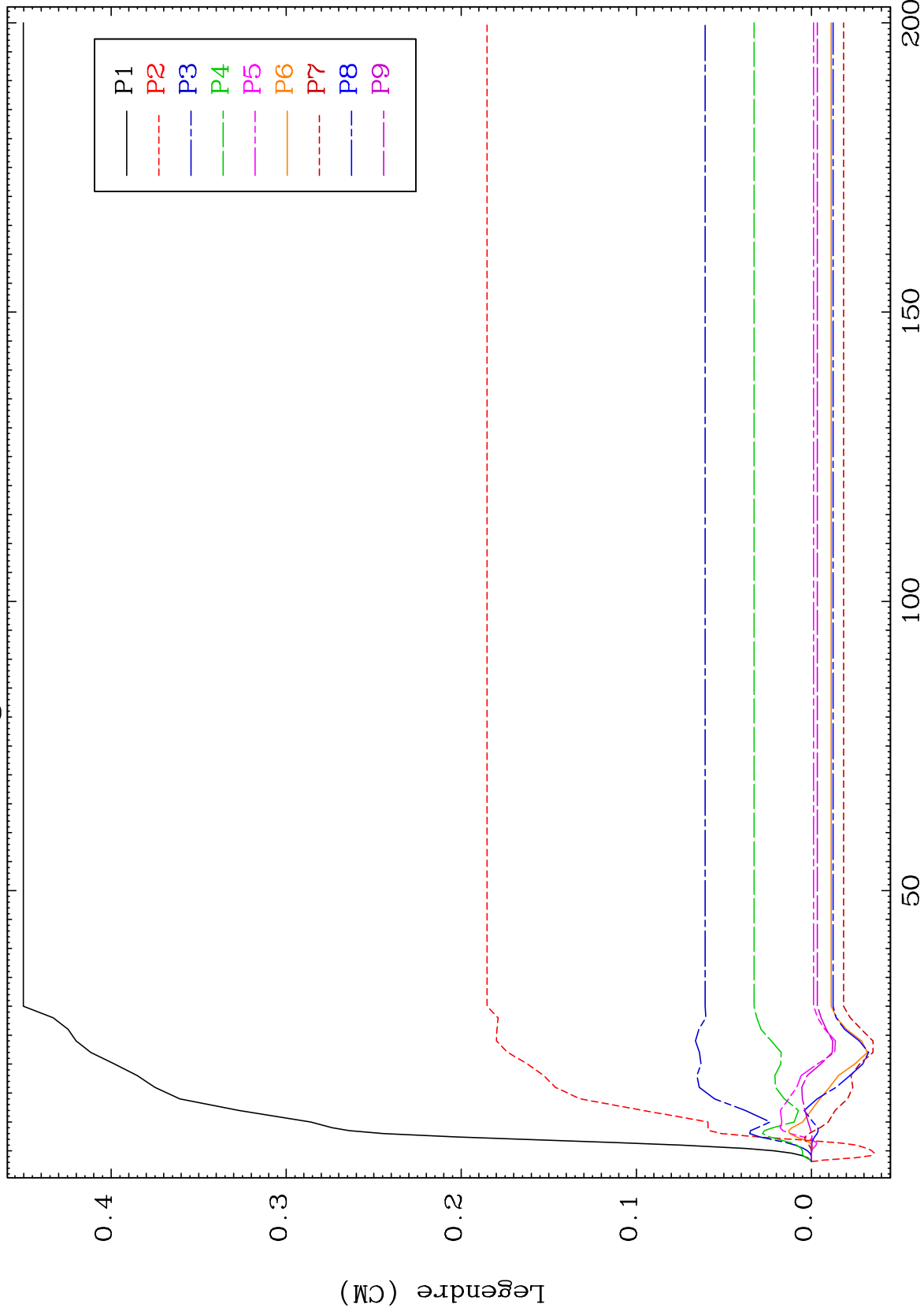
58-Ce-140



MAT 5837

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

58-Ce-140



95

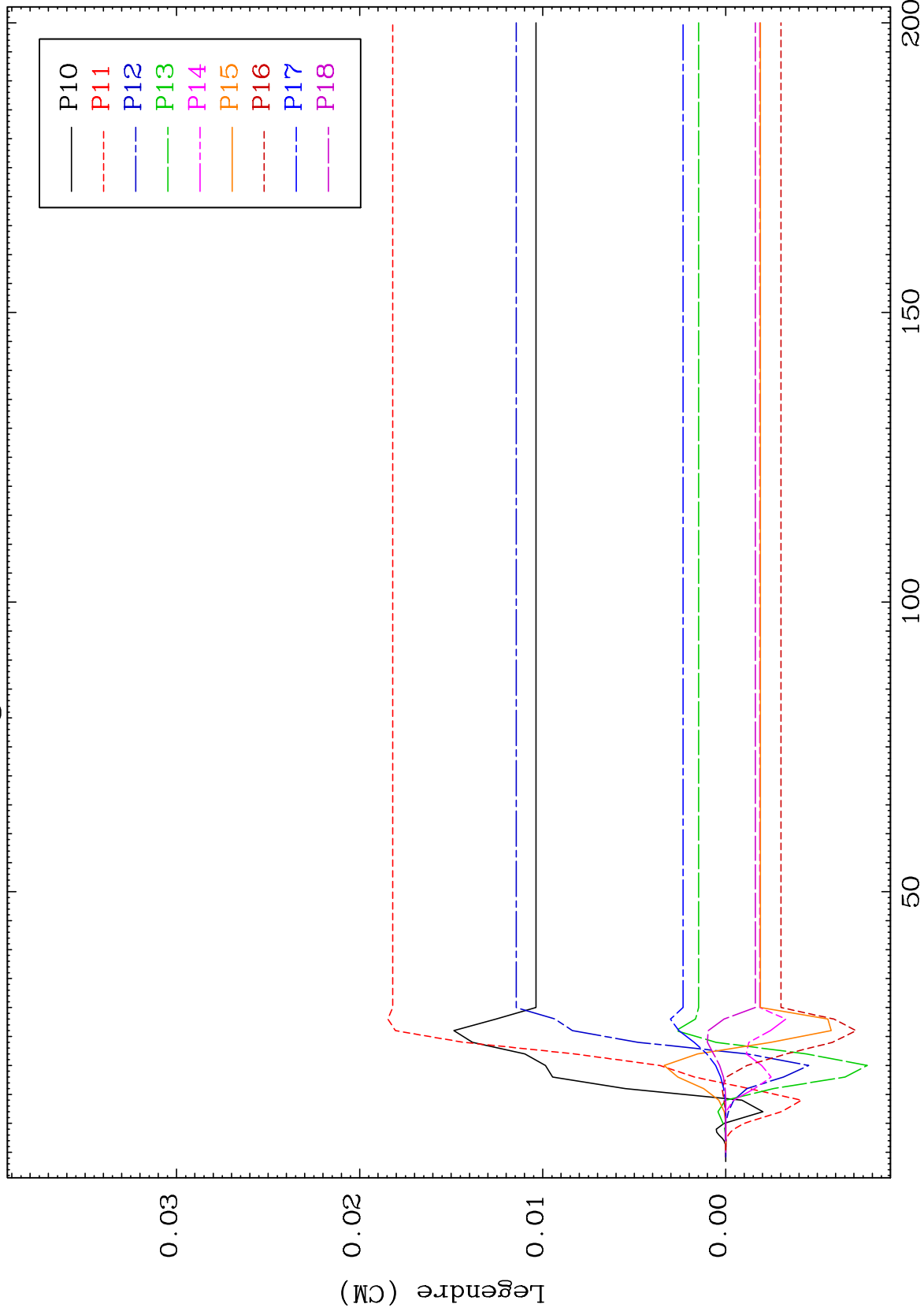
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



96

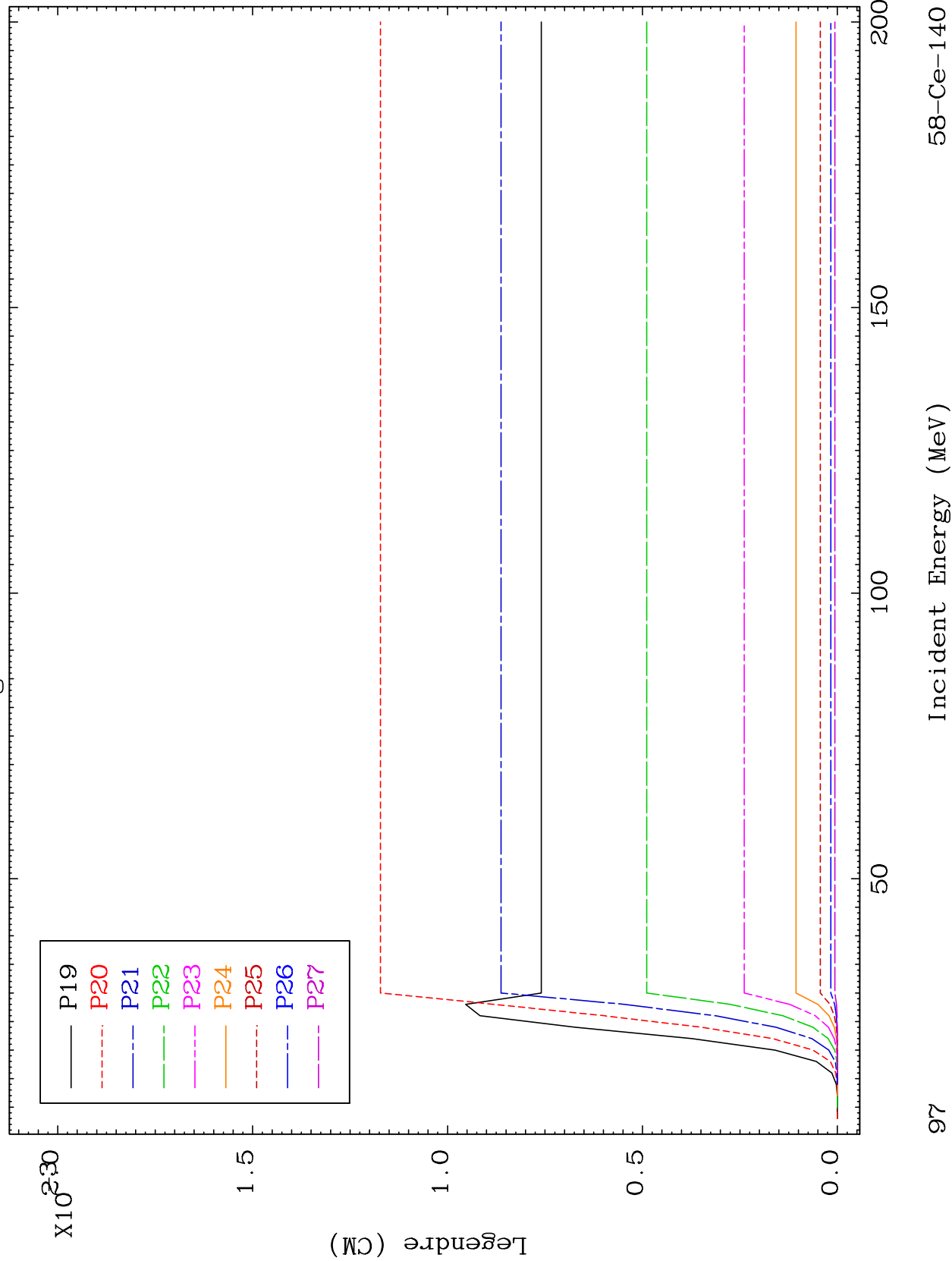
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

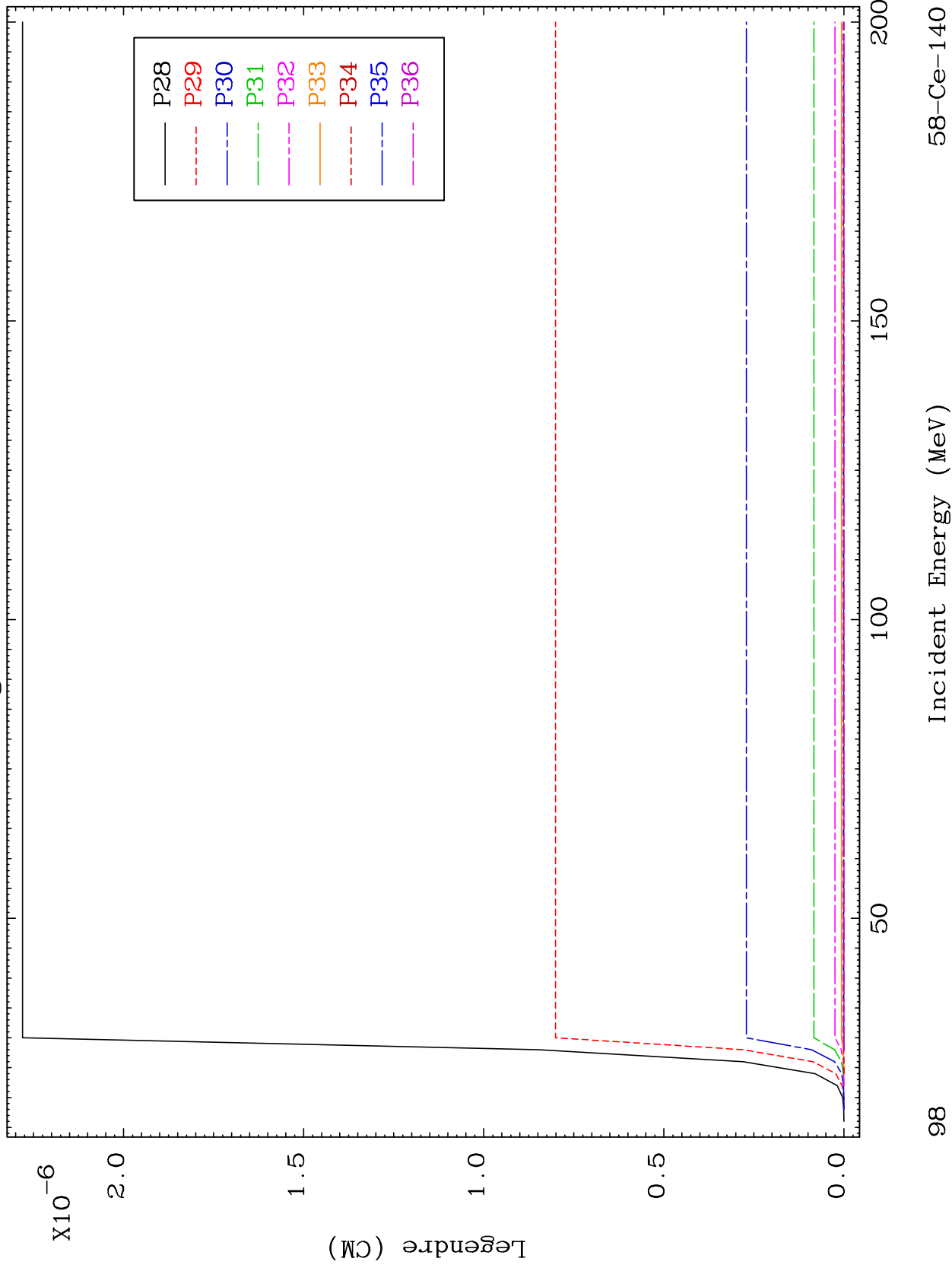
58-Ce-140



MAT 5837

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

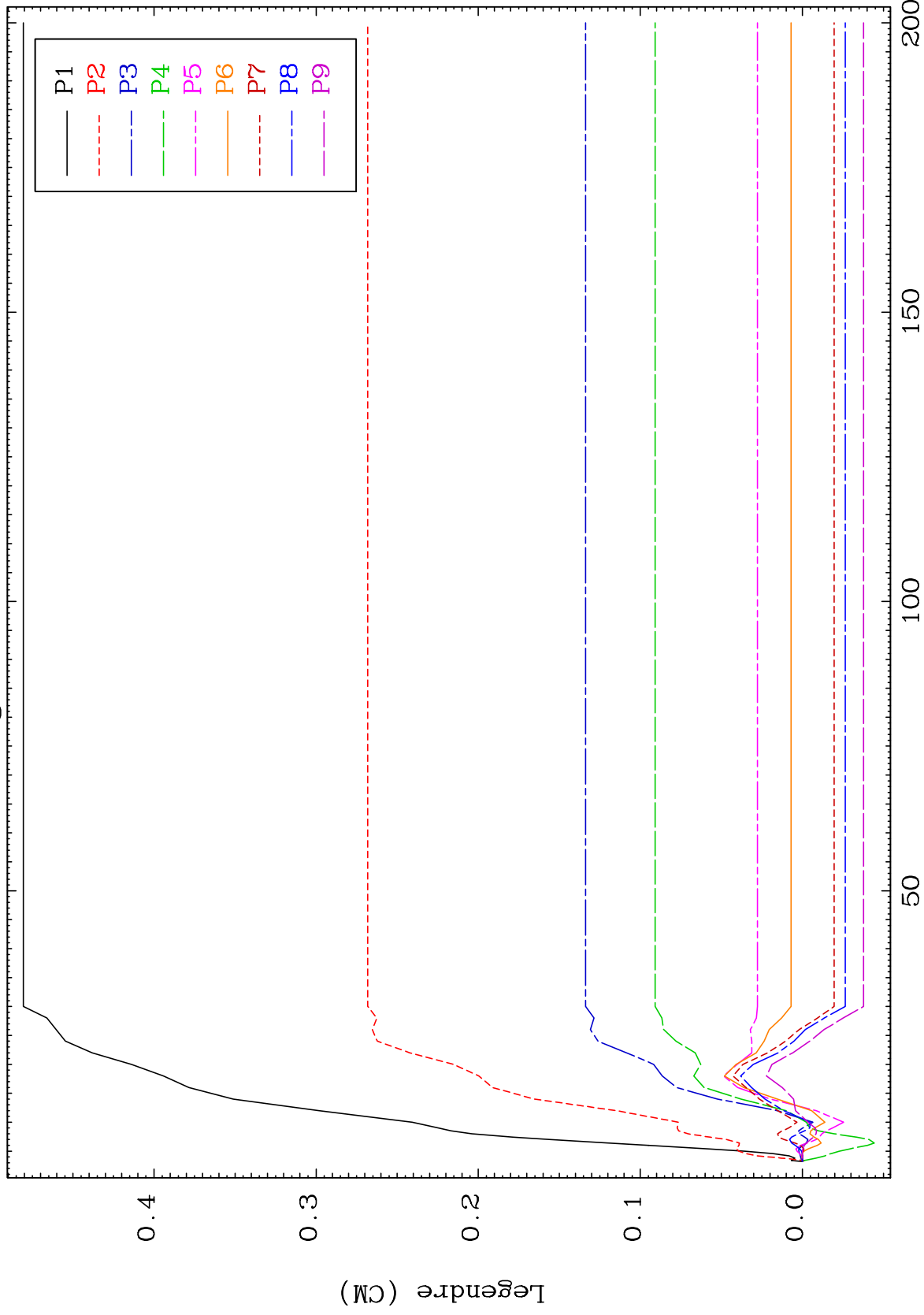
58-Ce-140



MAT 5837

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

58-Ce-140



99

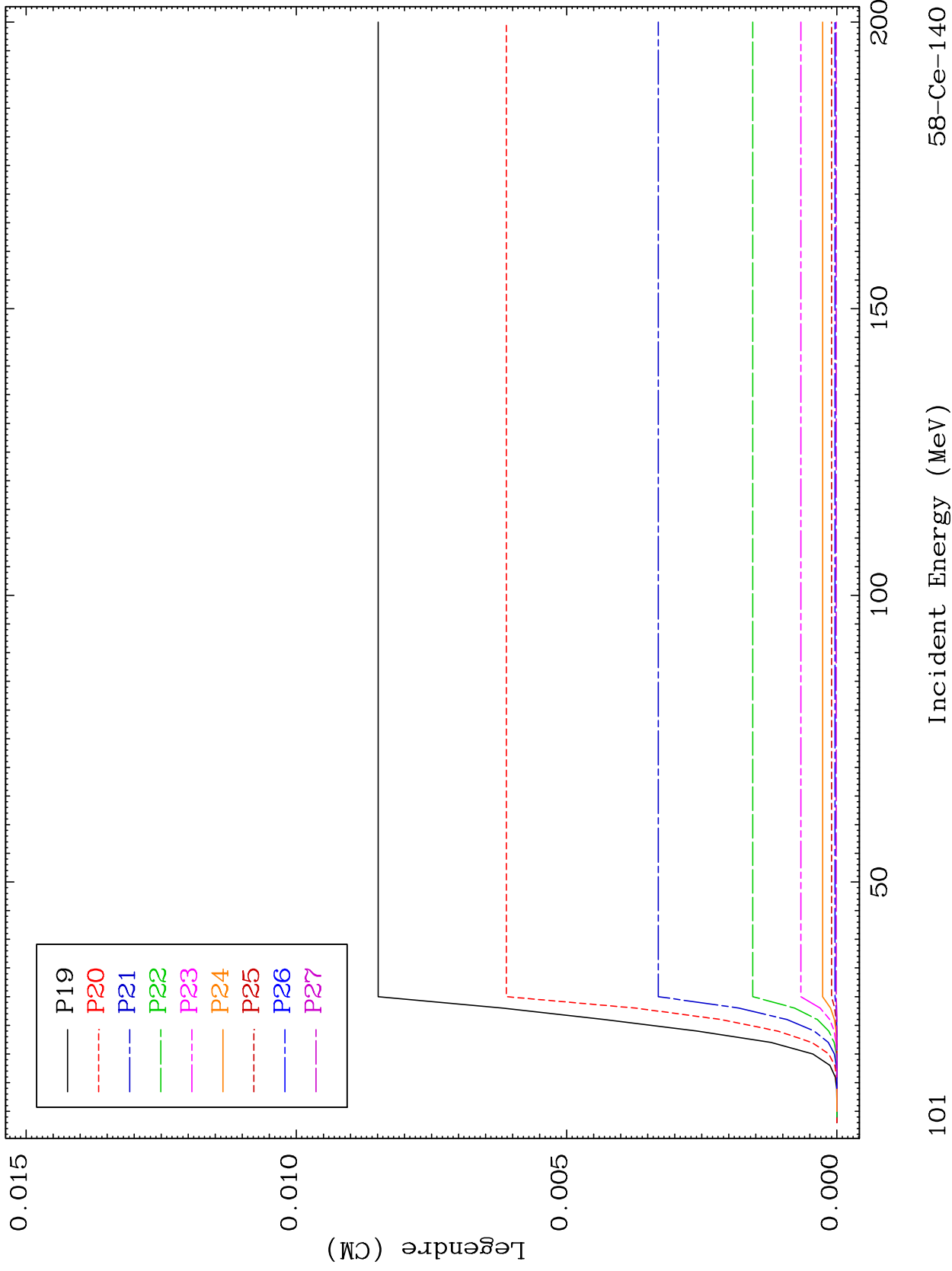
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



101

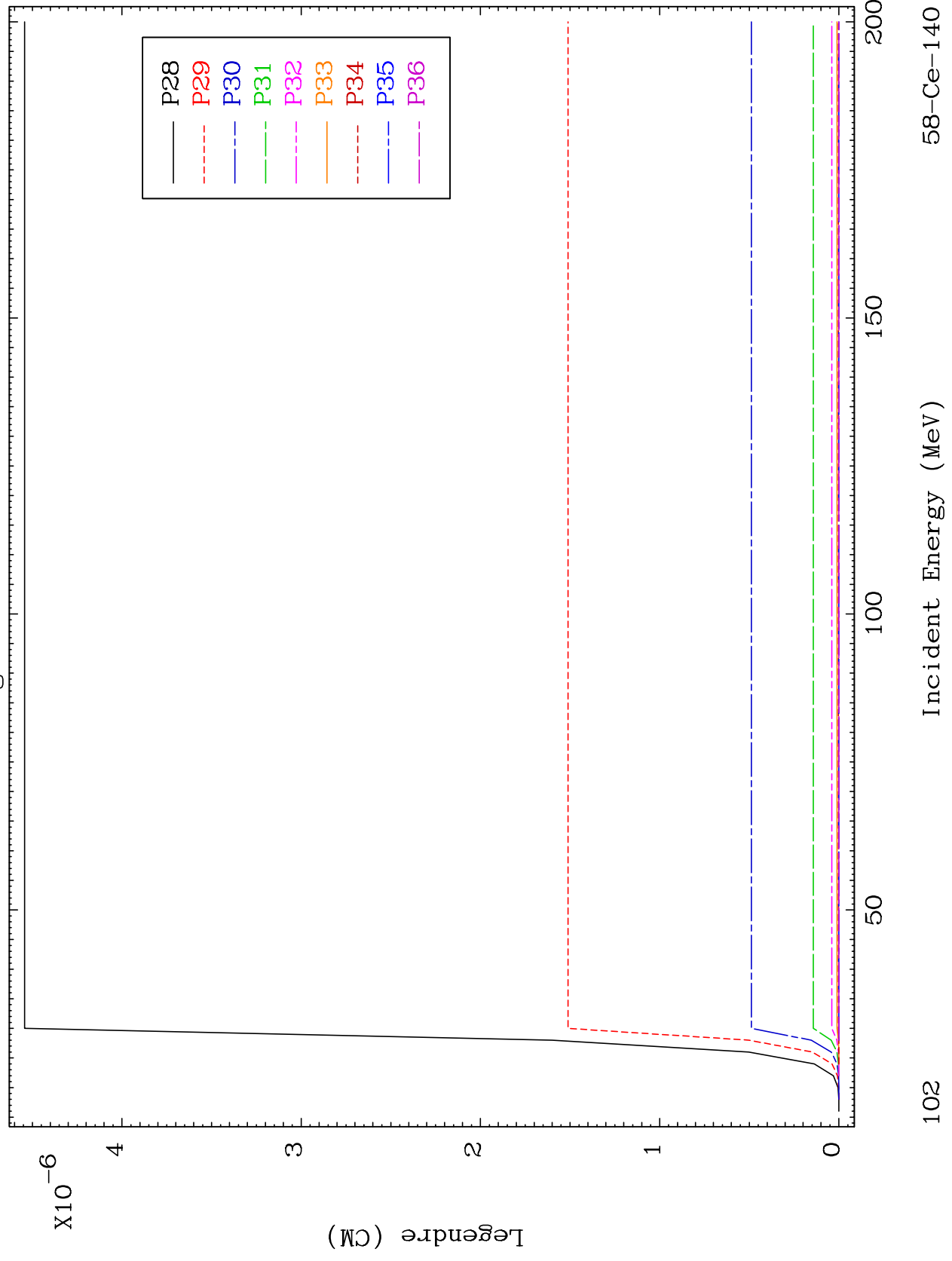
Incident Energy (MeV)

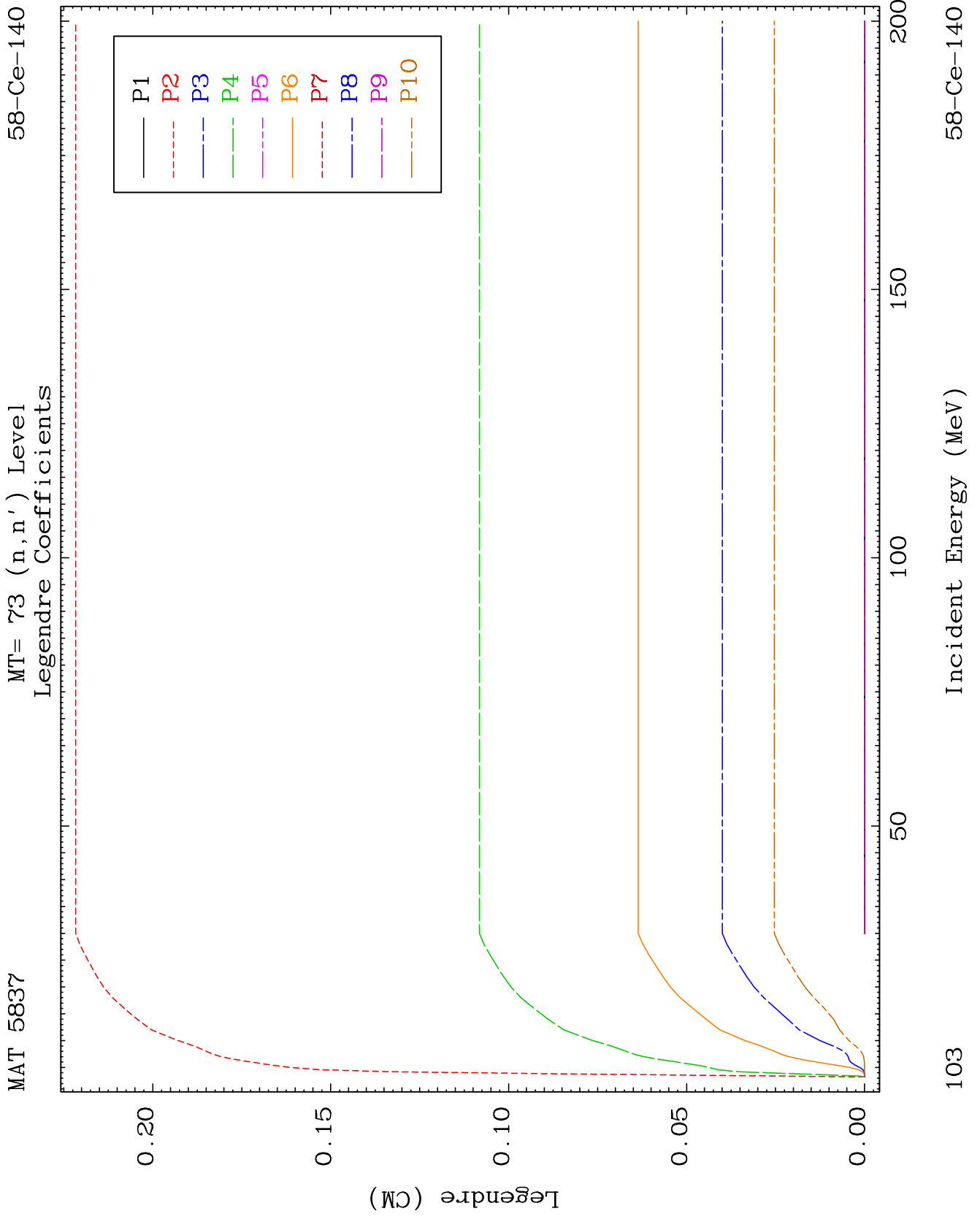
58-Ce-140

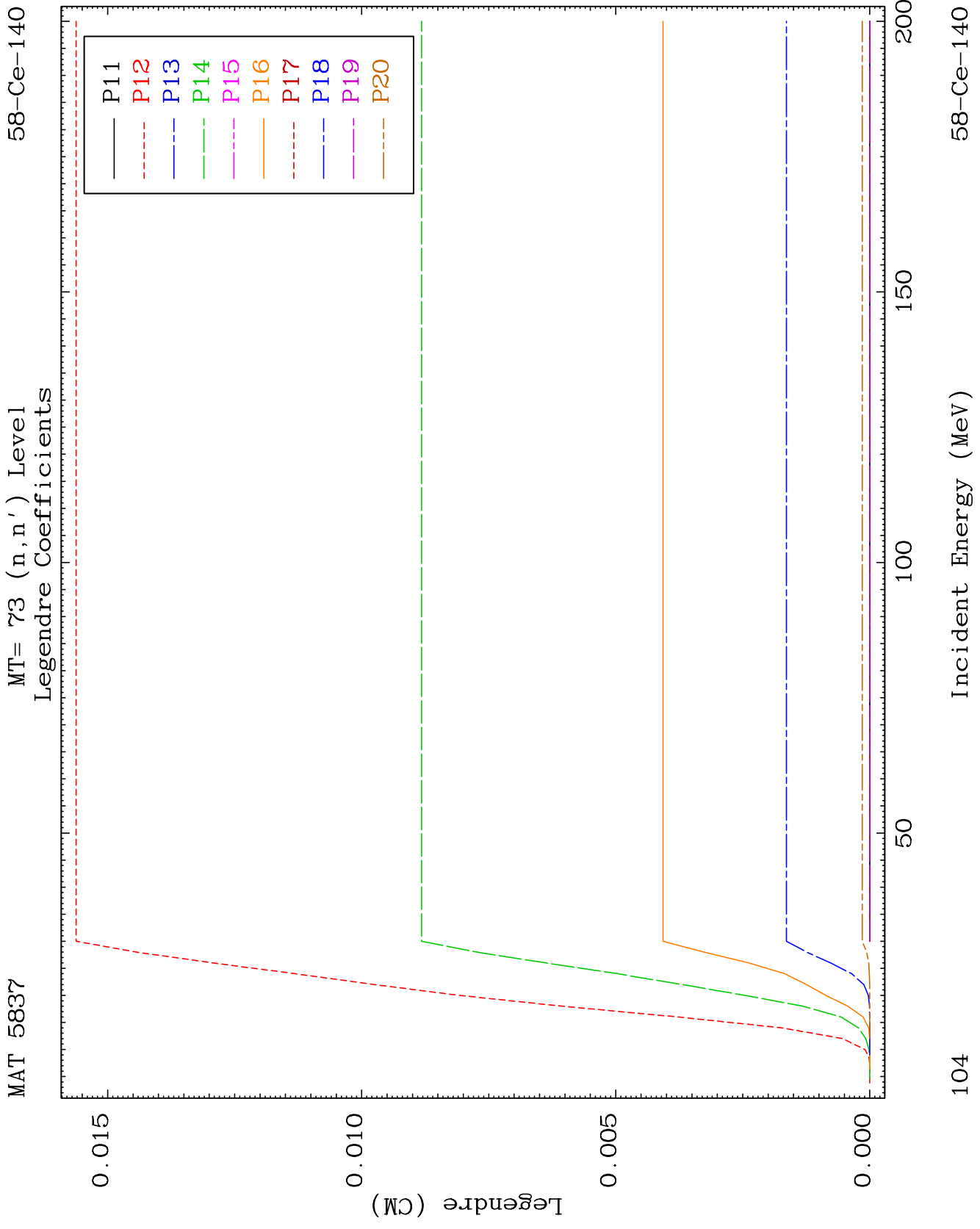
MAT 5837

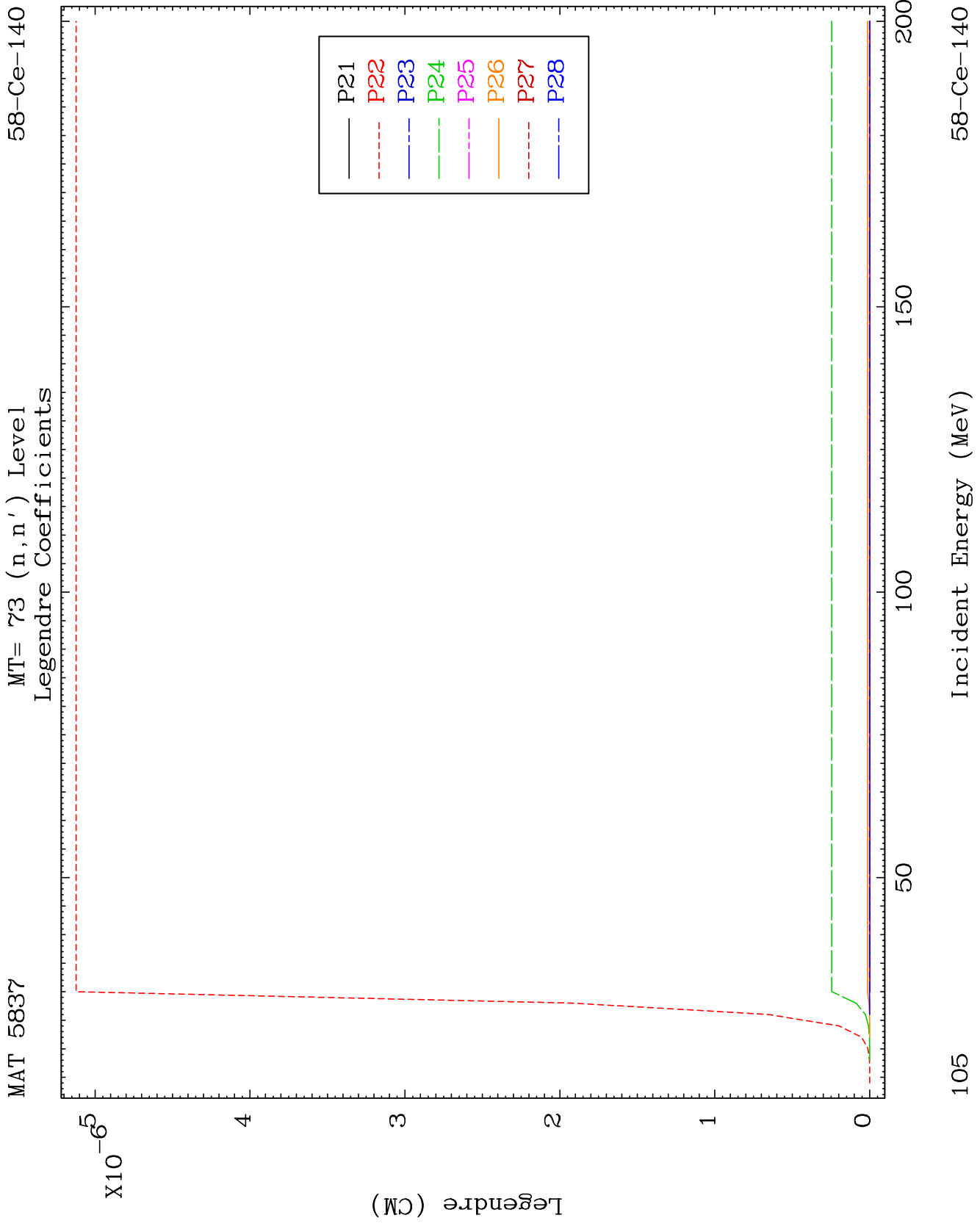
MT= 72 (n,n') Level
Legendre Coefficients

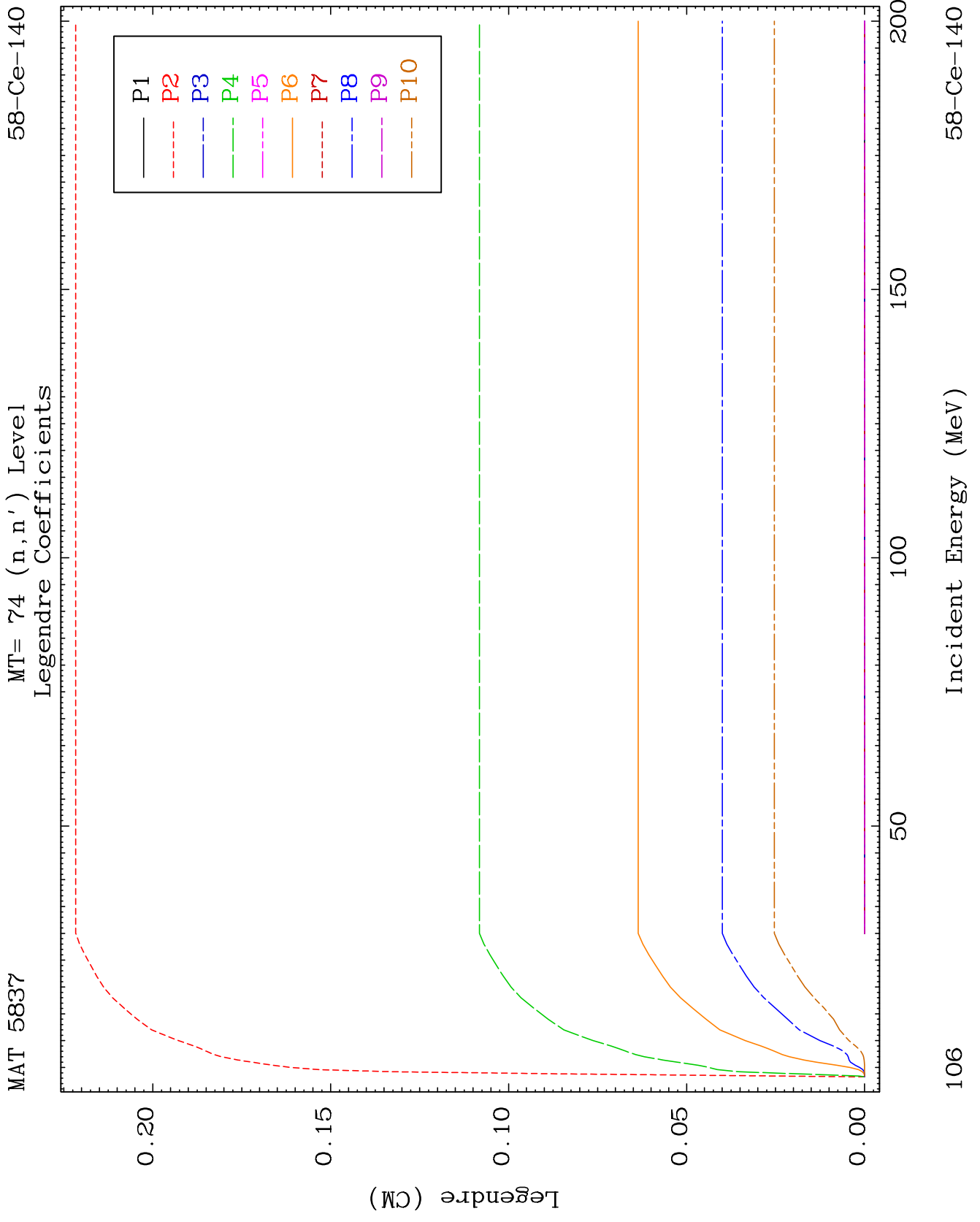
58-Ce-140









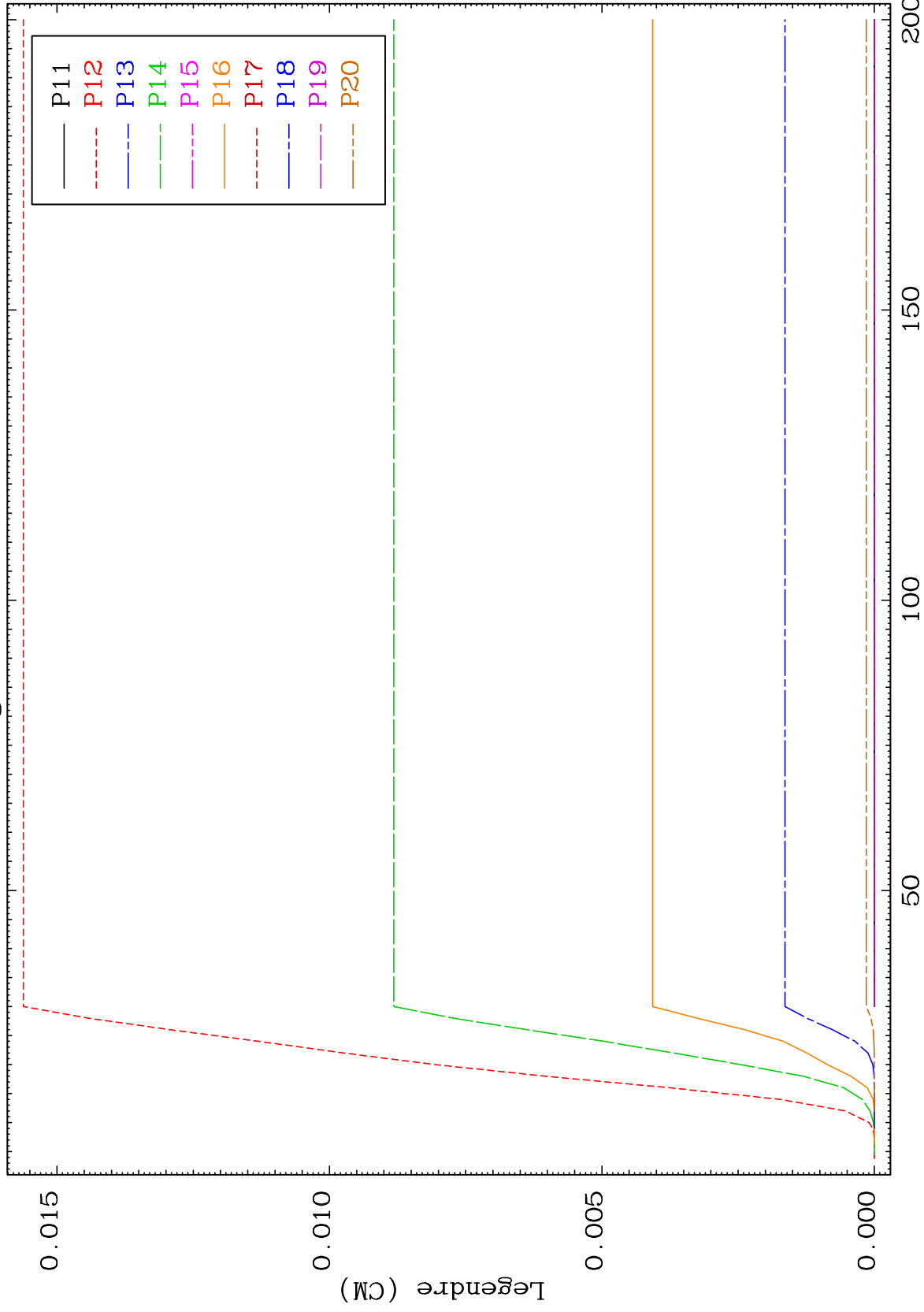


MAT 5837

MT= 74 (n,n') Level

58-Ce-140

Legendre Coefficients



107

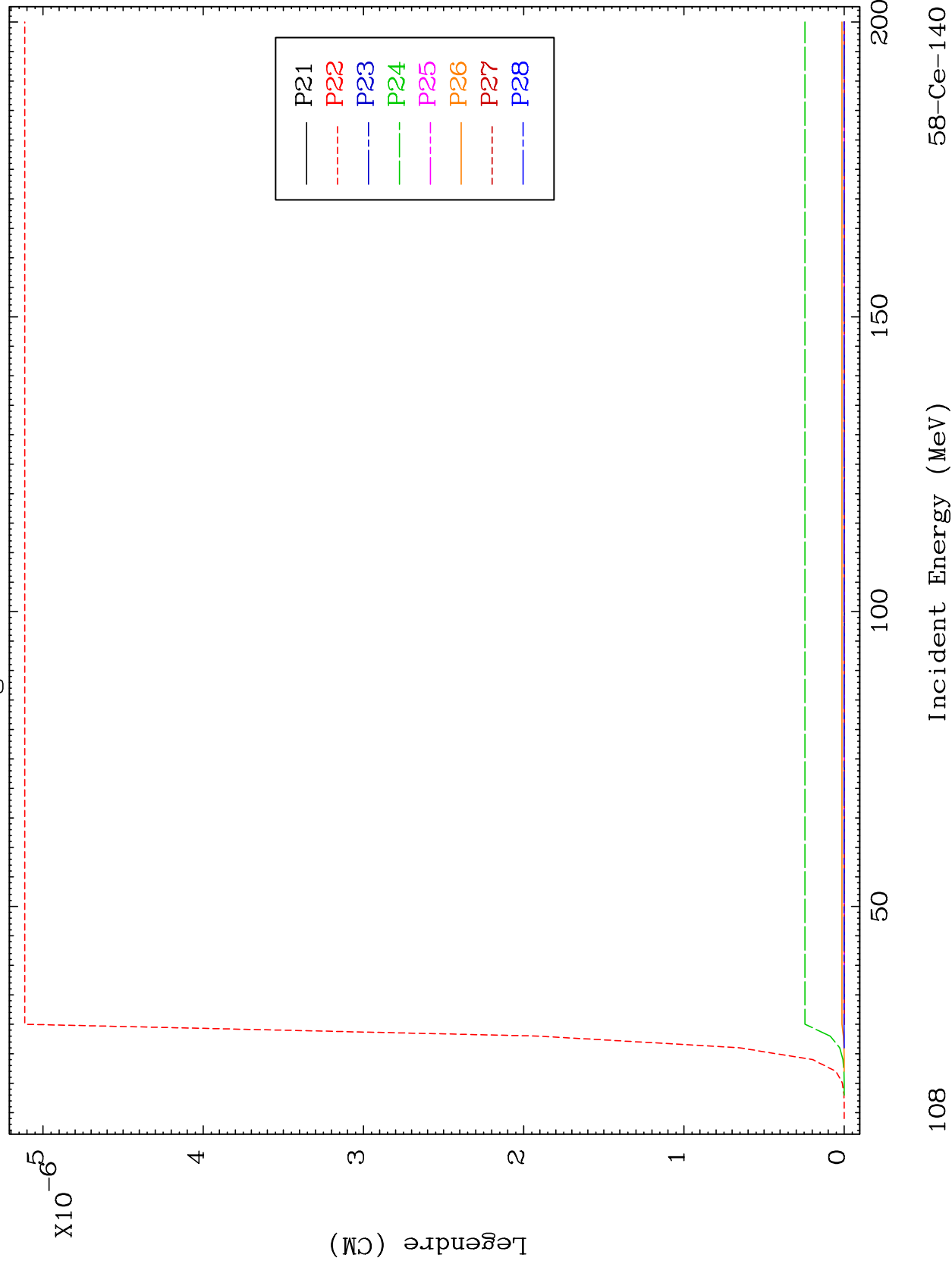
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

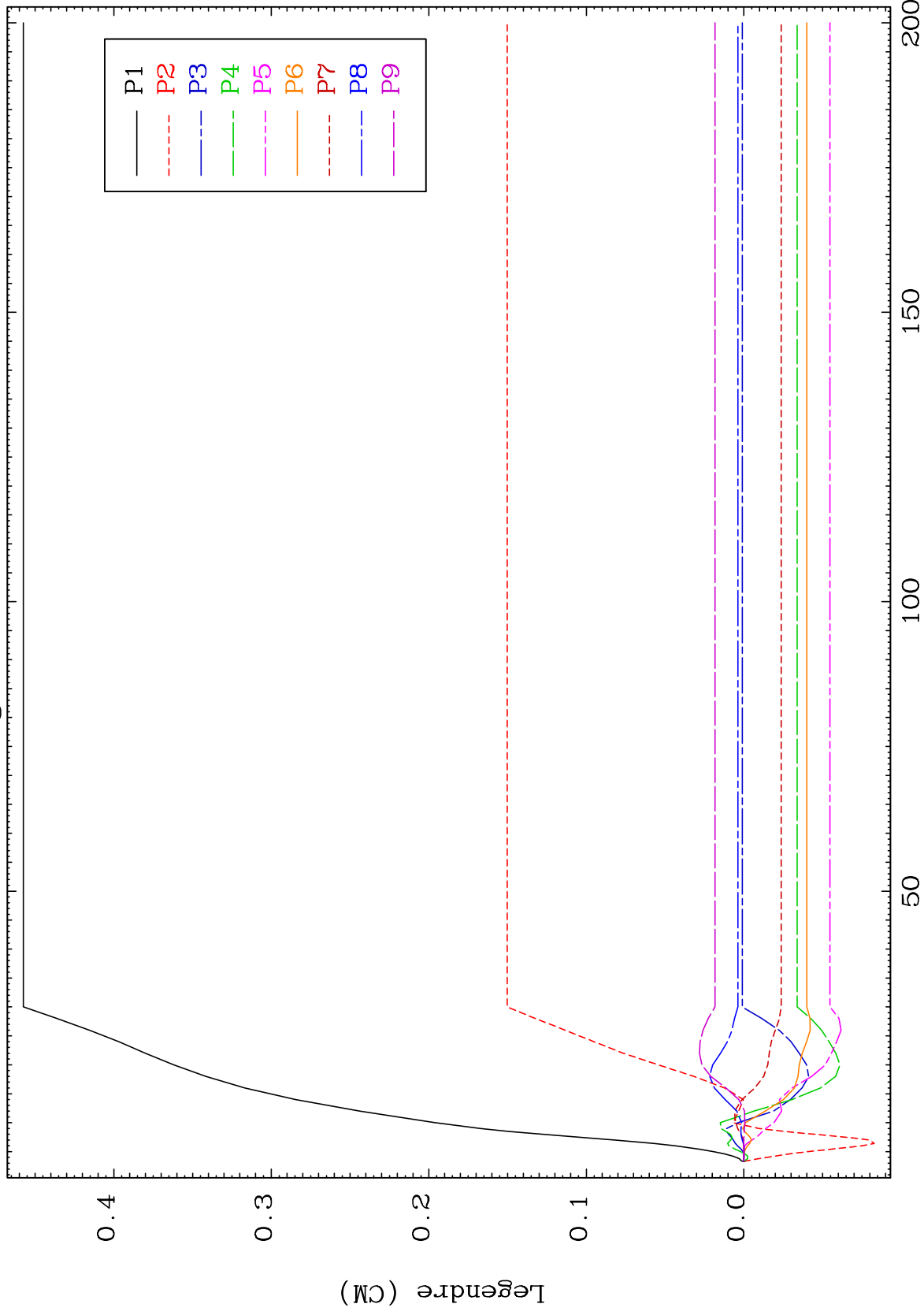
58-Ce-140



MAT 5837

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

58-Ce-140



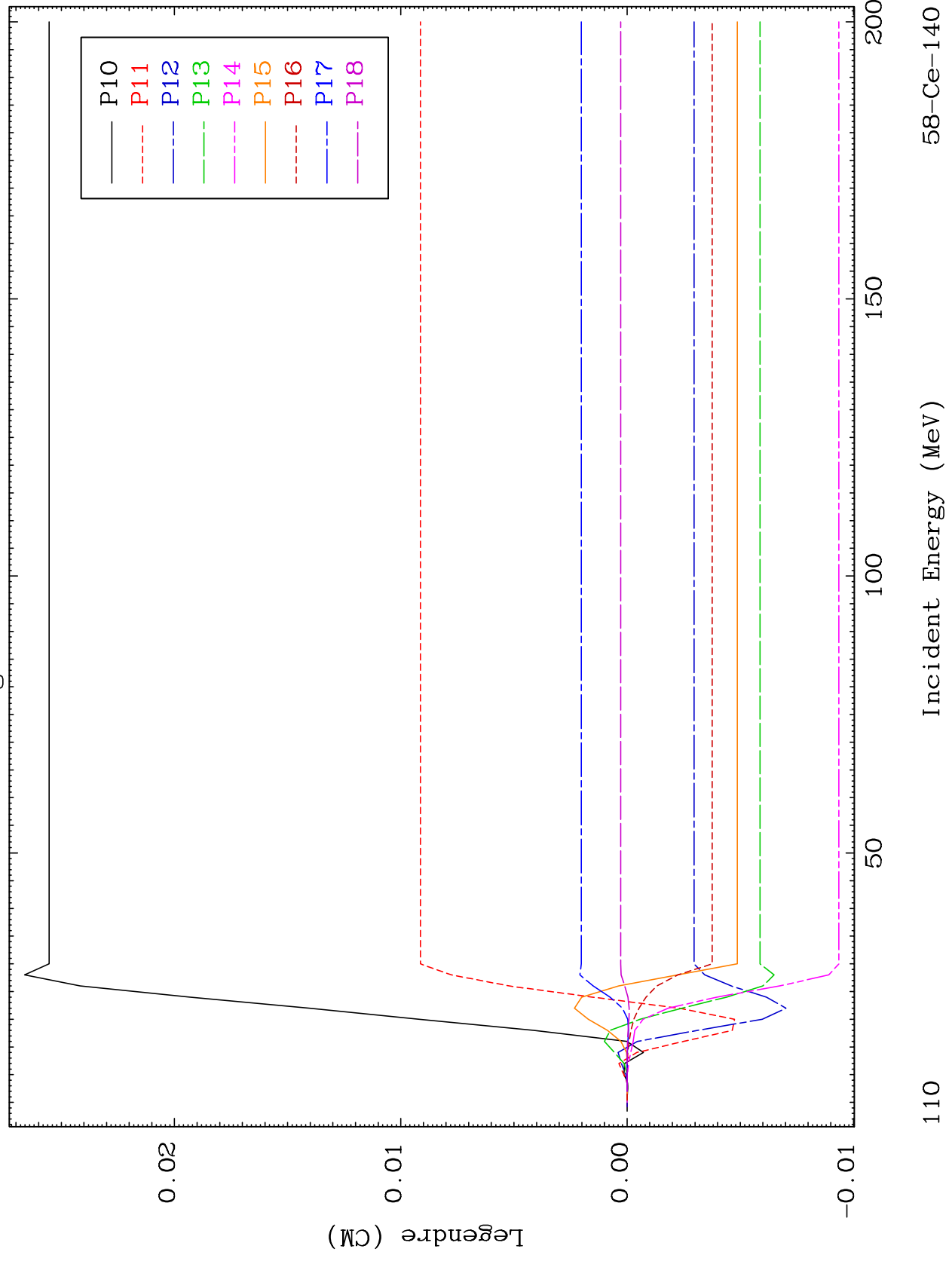
109

58-Ce-140

MAT 5837

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

58-Ce-140



58-Ce-140

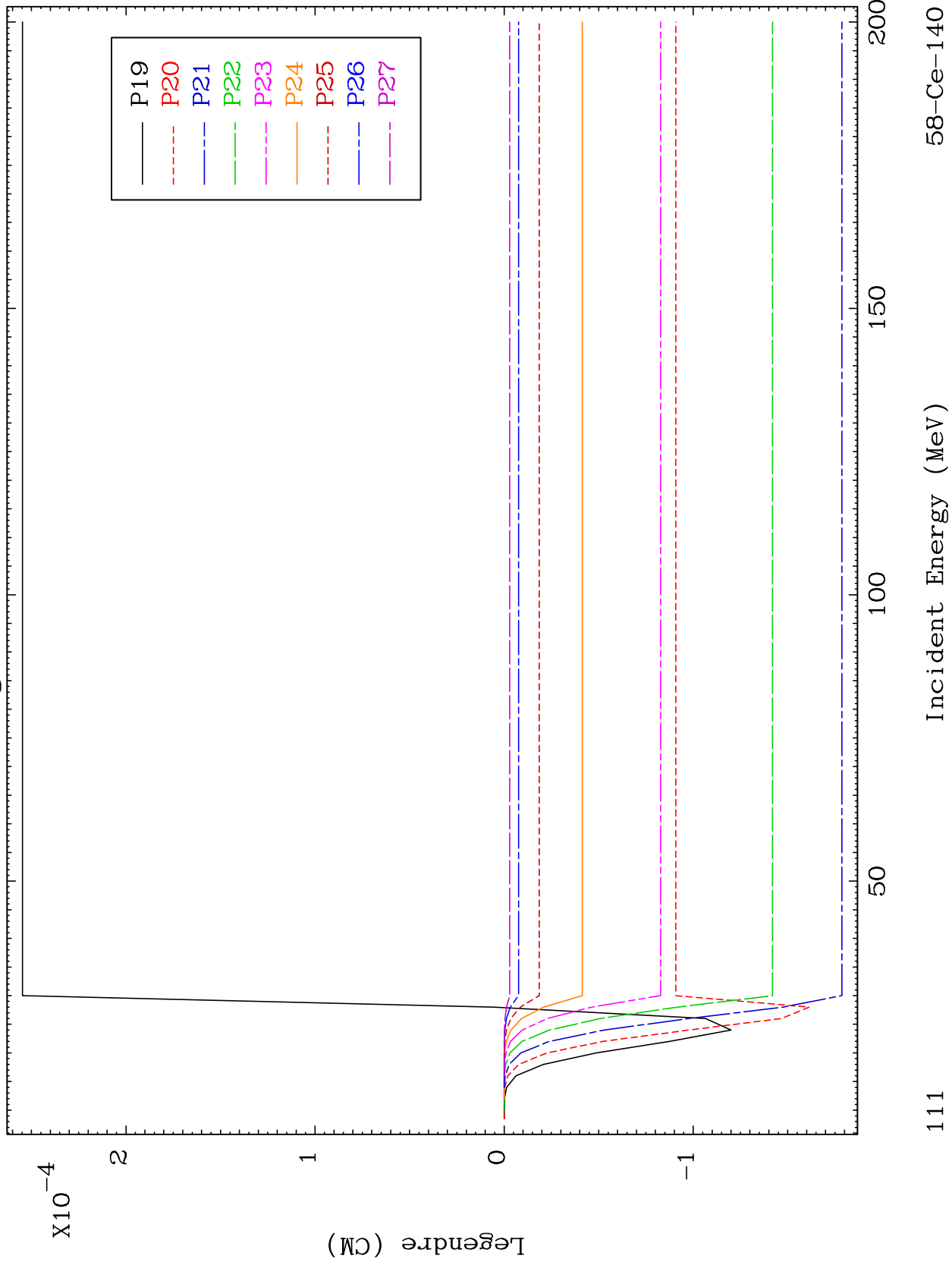
Incident Energy (MeV)

110

MAT 5837

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

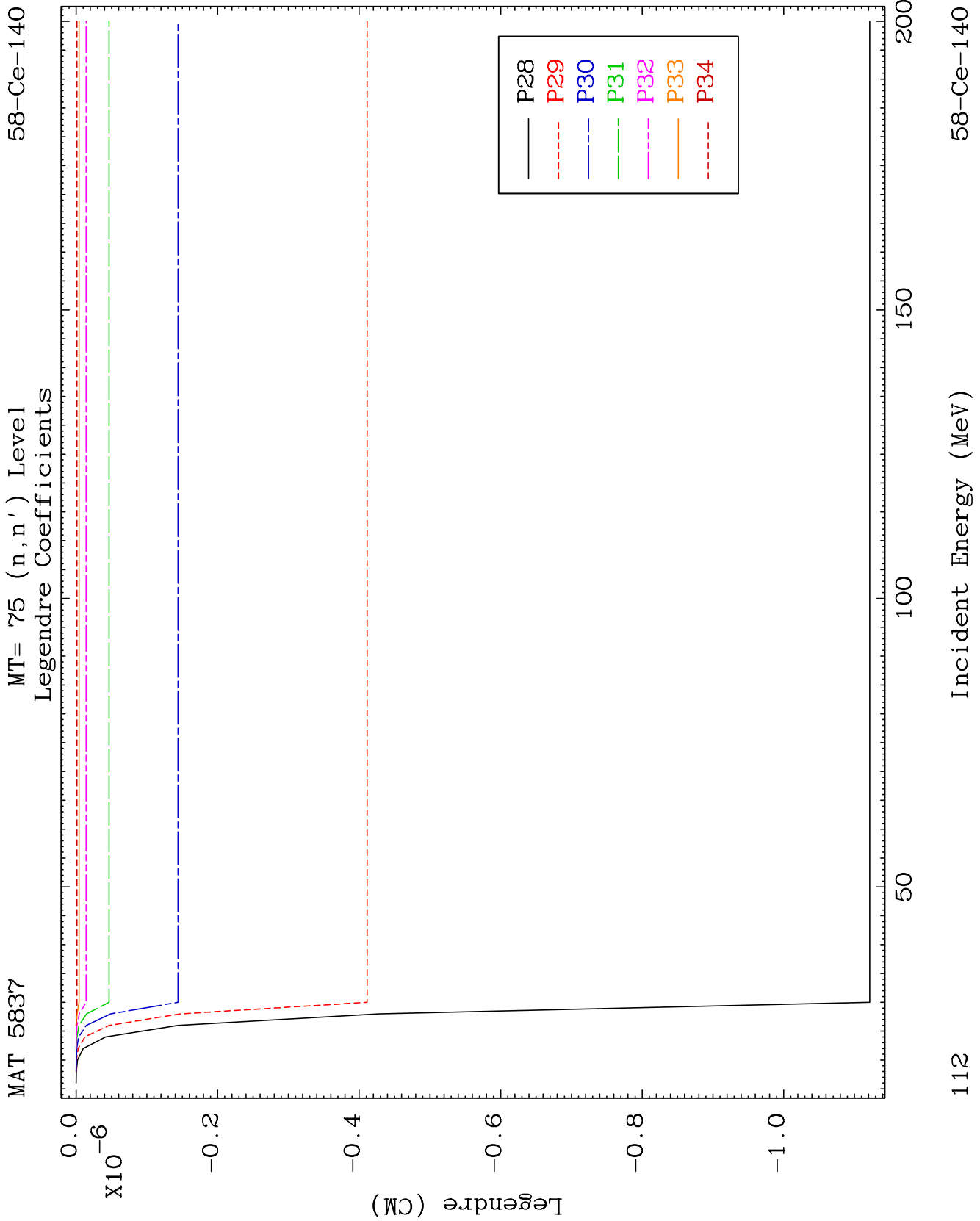
58-Ce-140



111

Incident Energy (MeV)

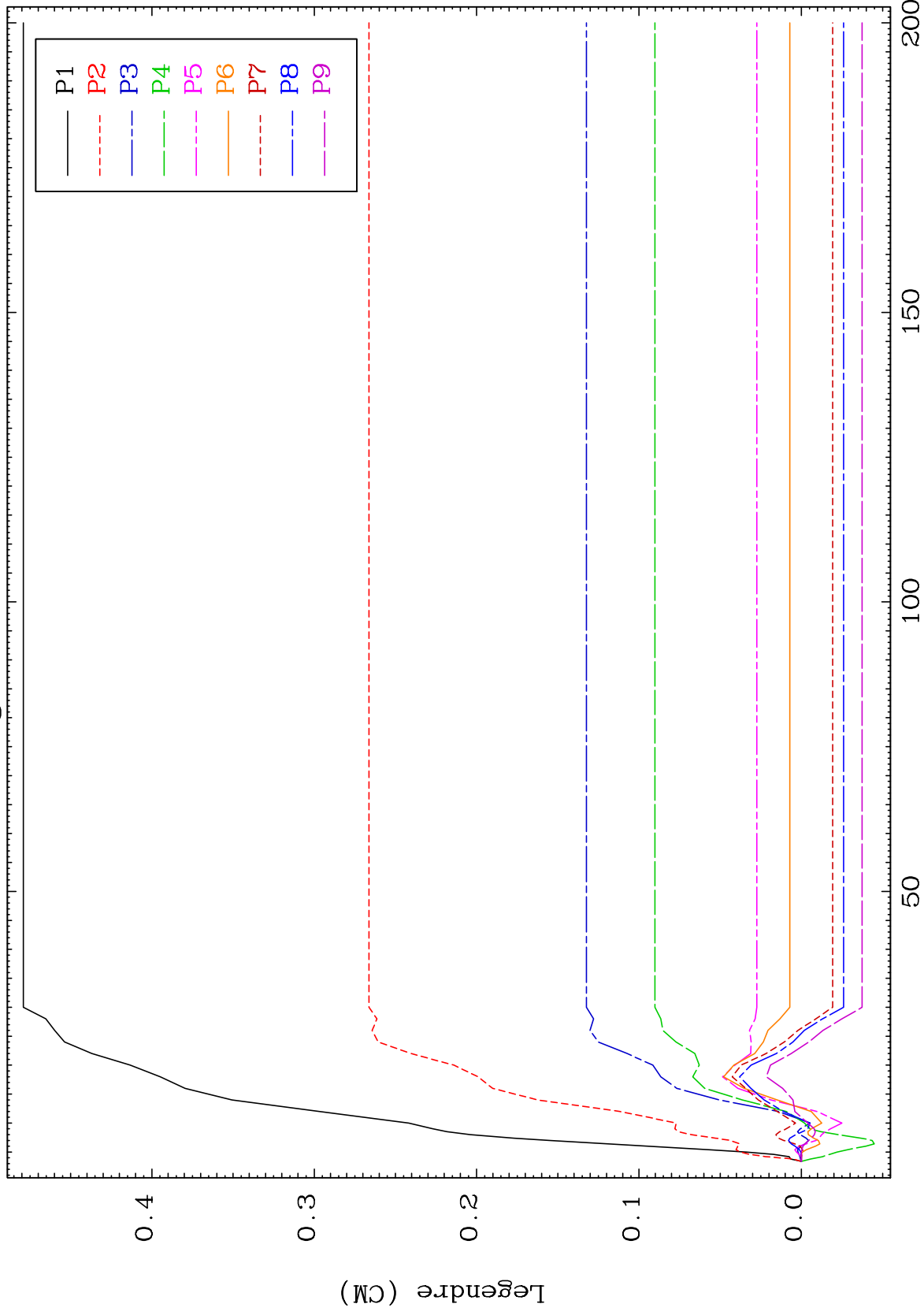
58-Ce-140



MAT 5837

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

58-Ce-140



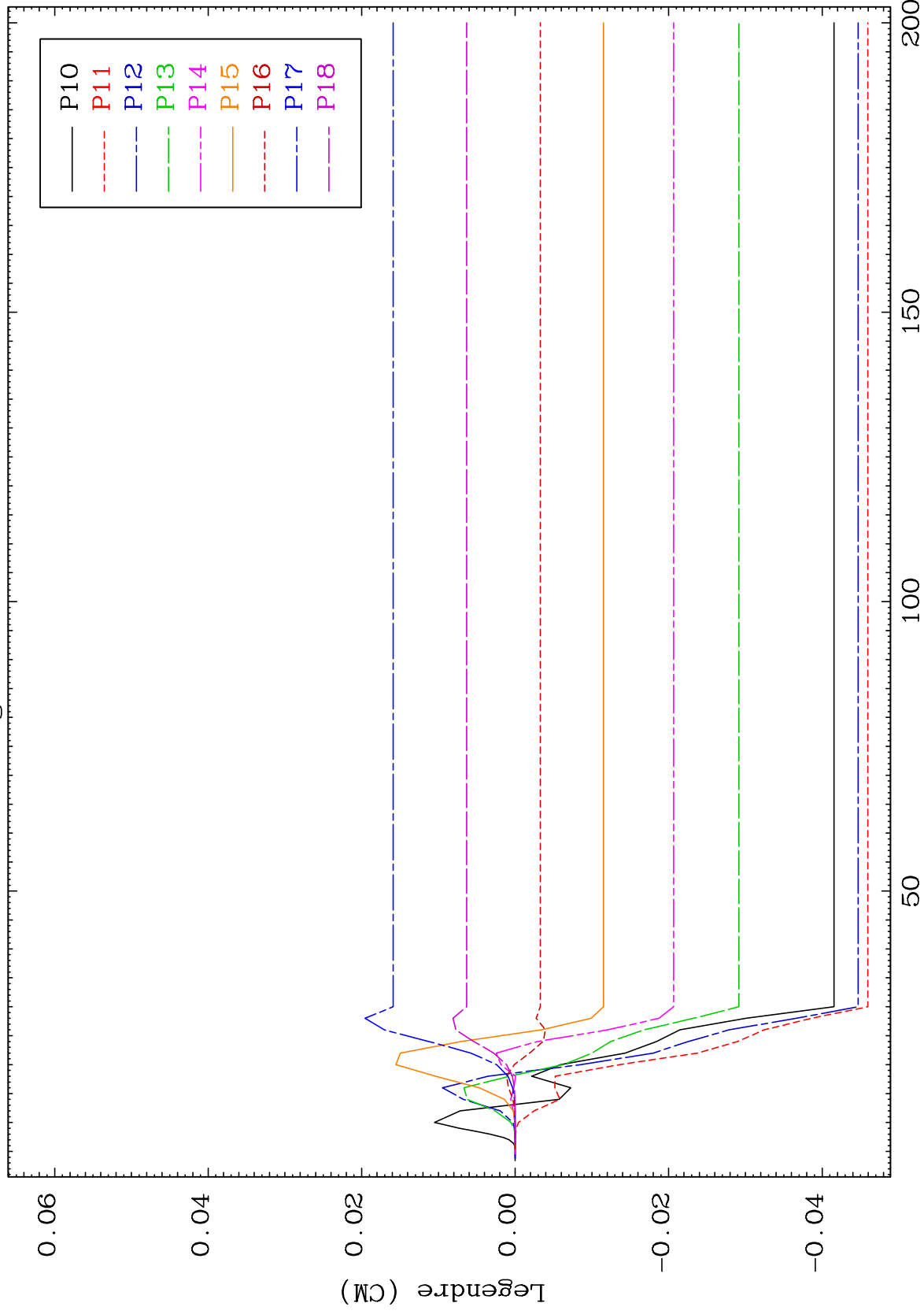
113

58-Ce-140

MAT 5837

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

58-Ce-140



114

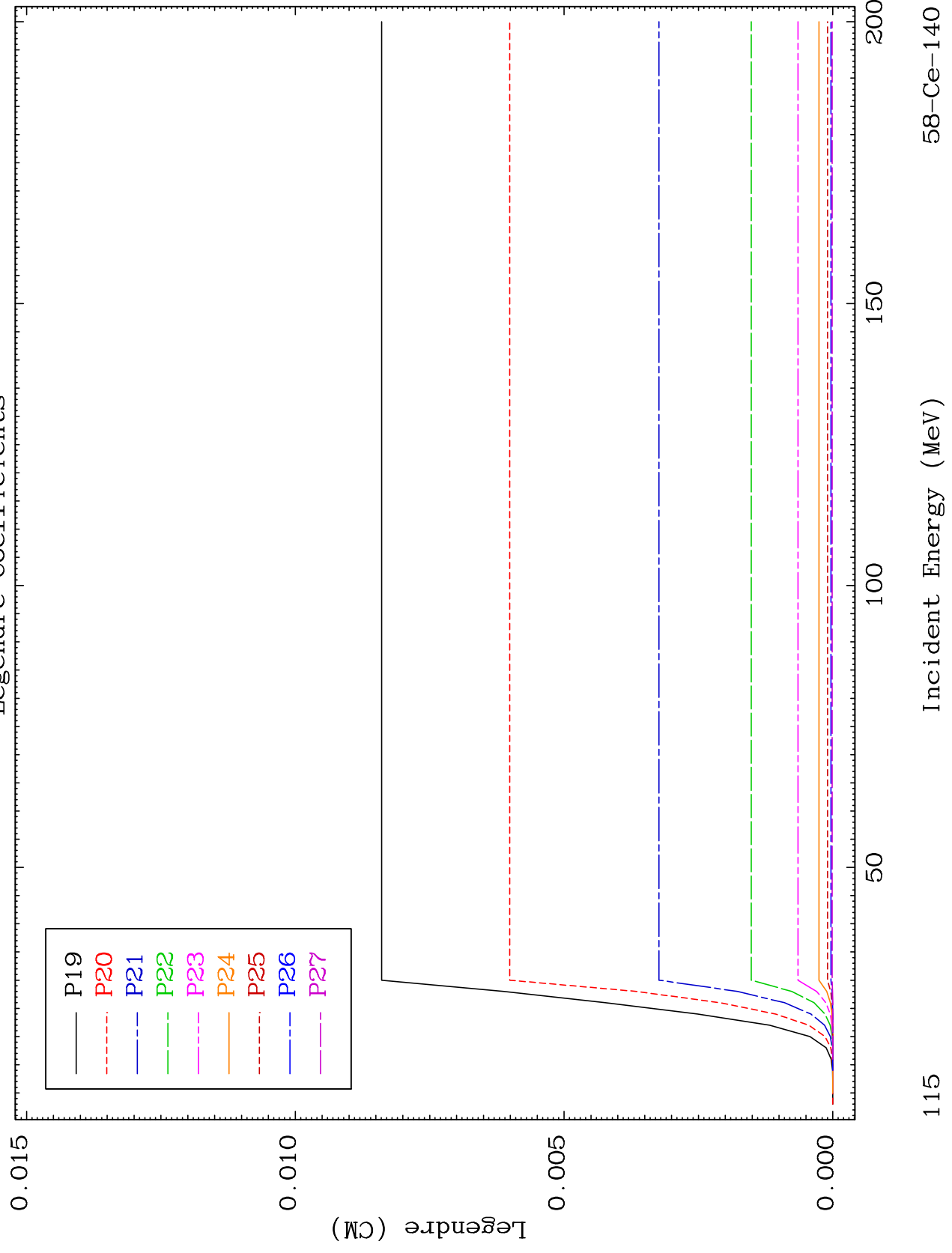
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



115

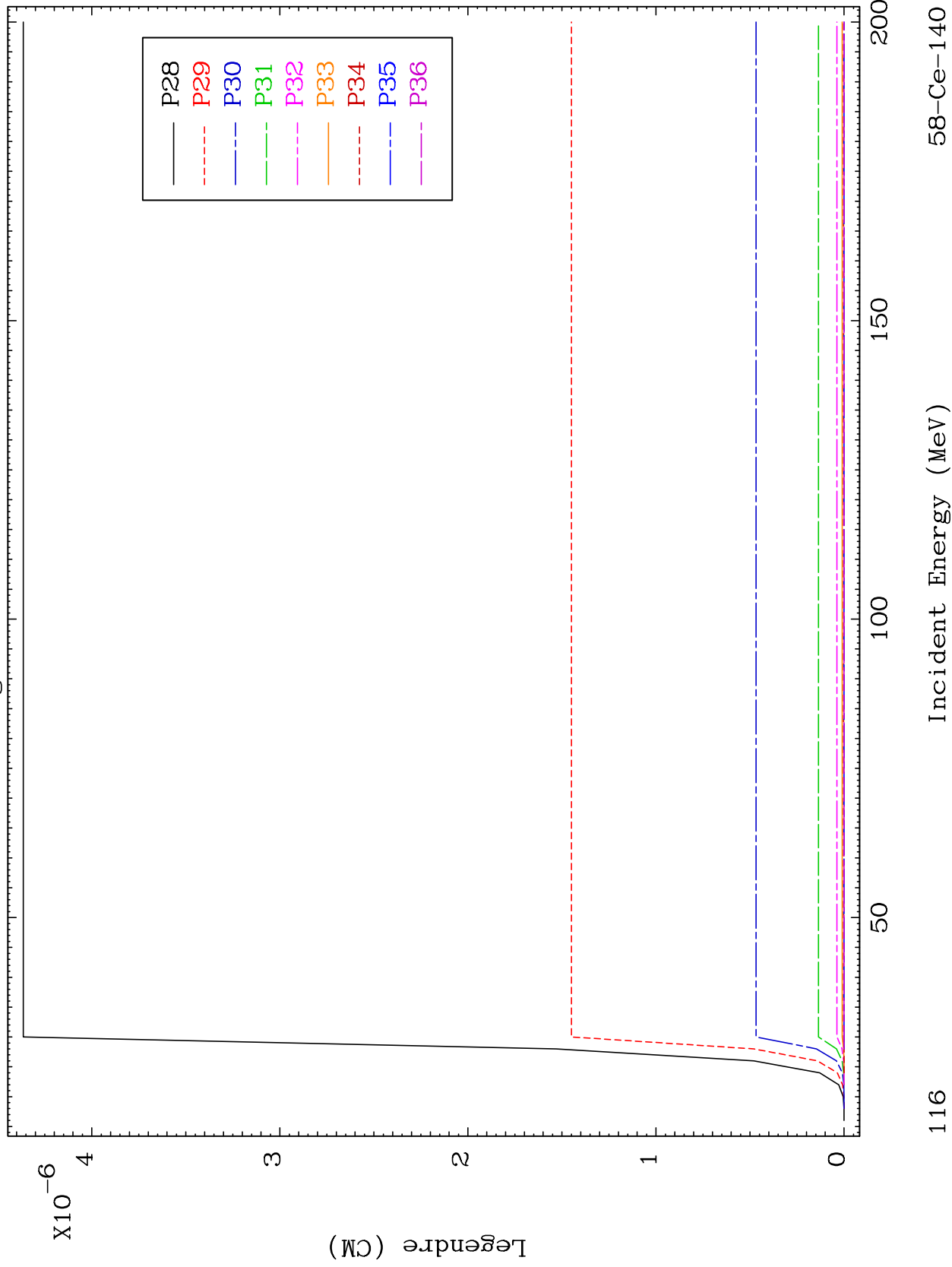
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

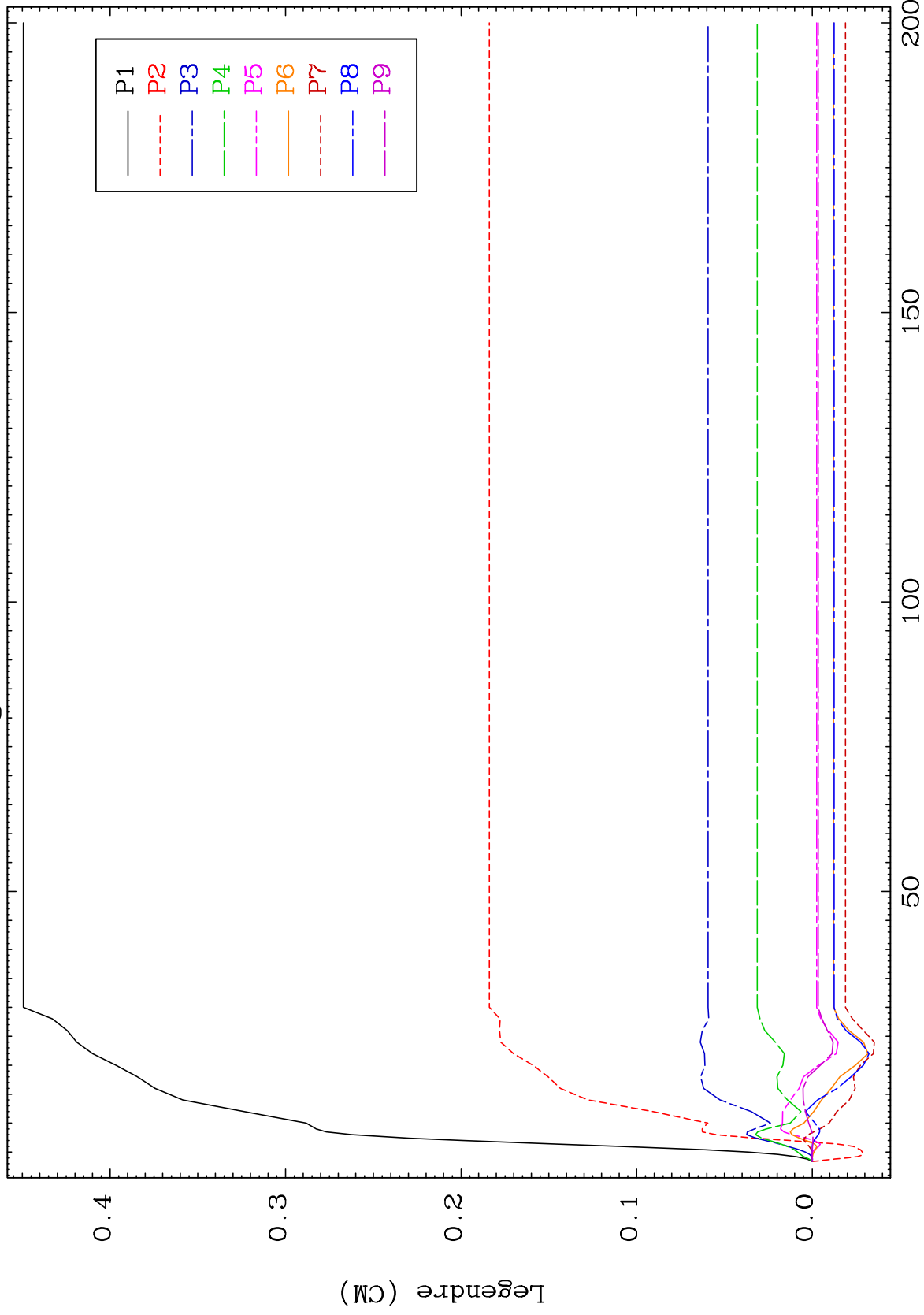
58-Ce-140



MAT 5837

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

58-Ce-140



117

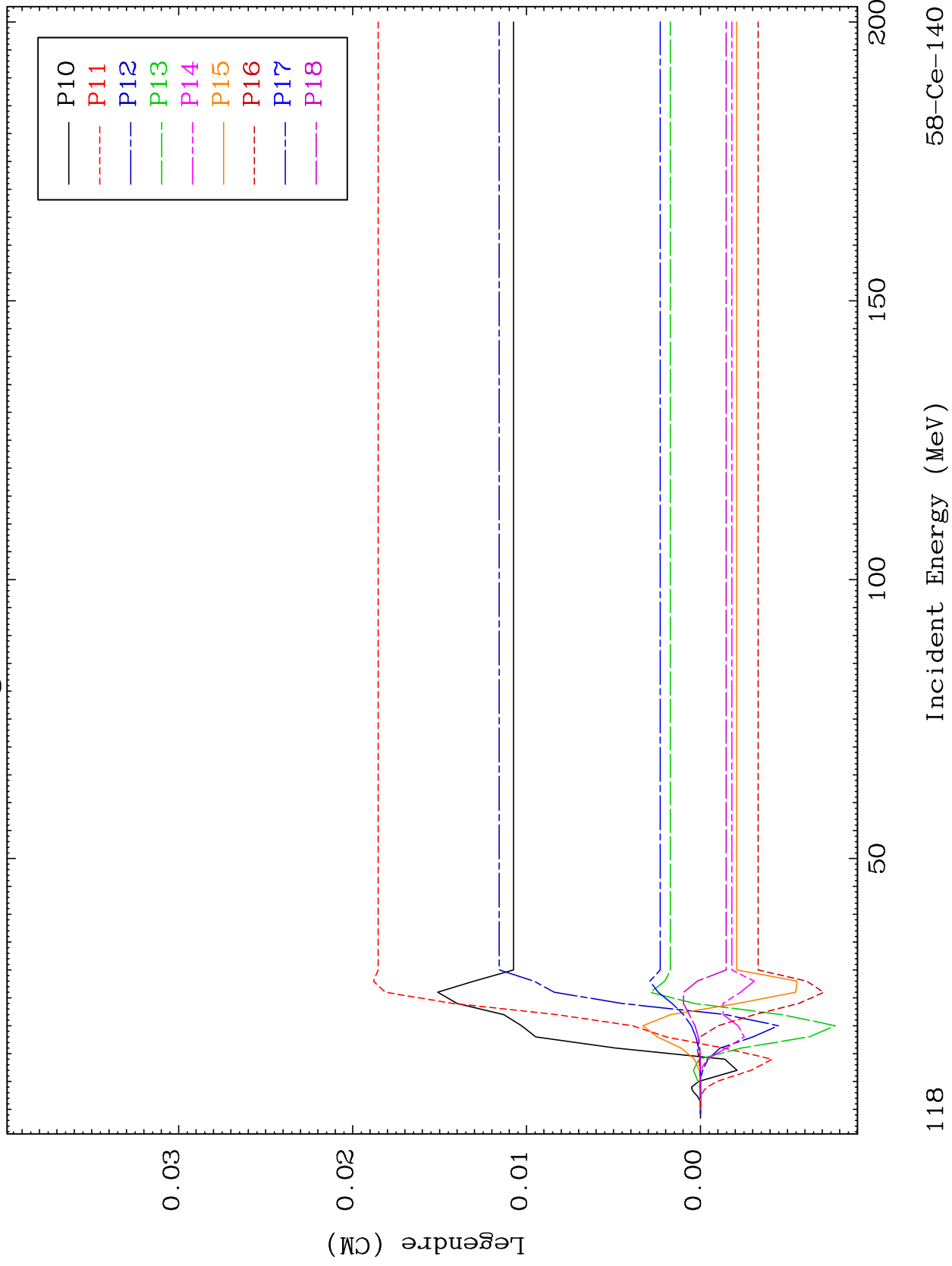
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



118

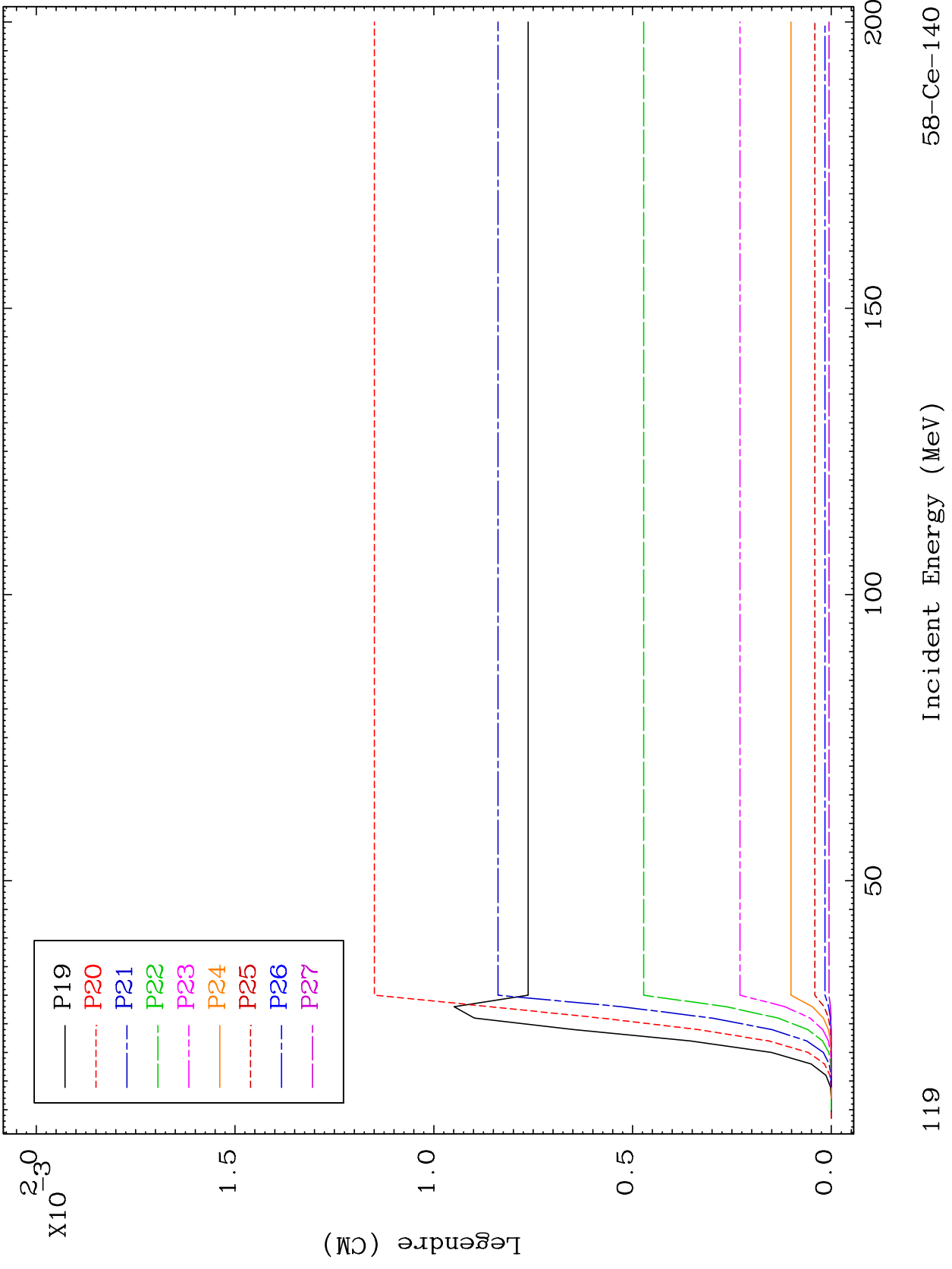
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

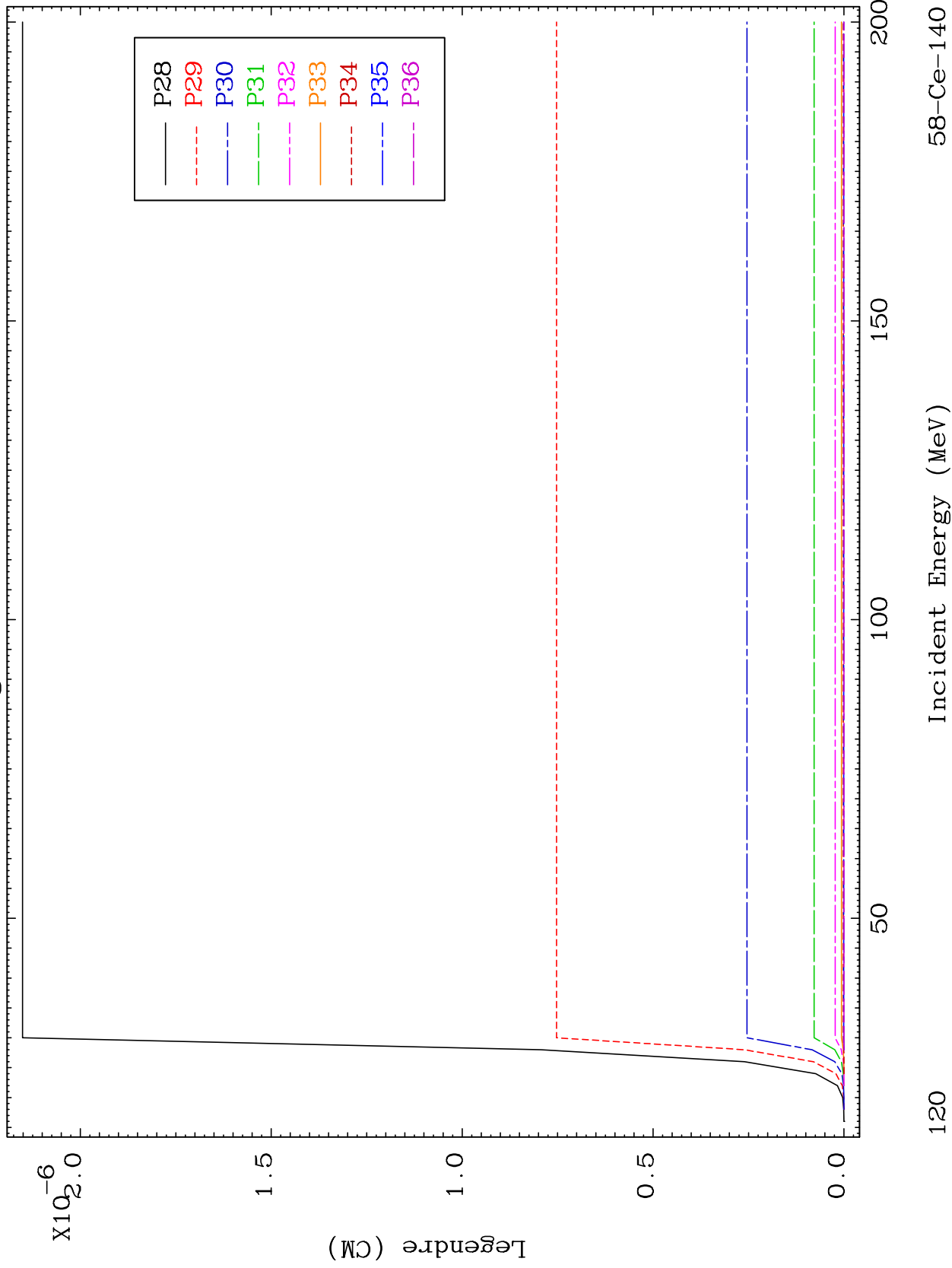
58-Ce-140



MAT 5837

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

58-Ce-140



120

Incident Energy (MeV)

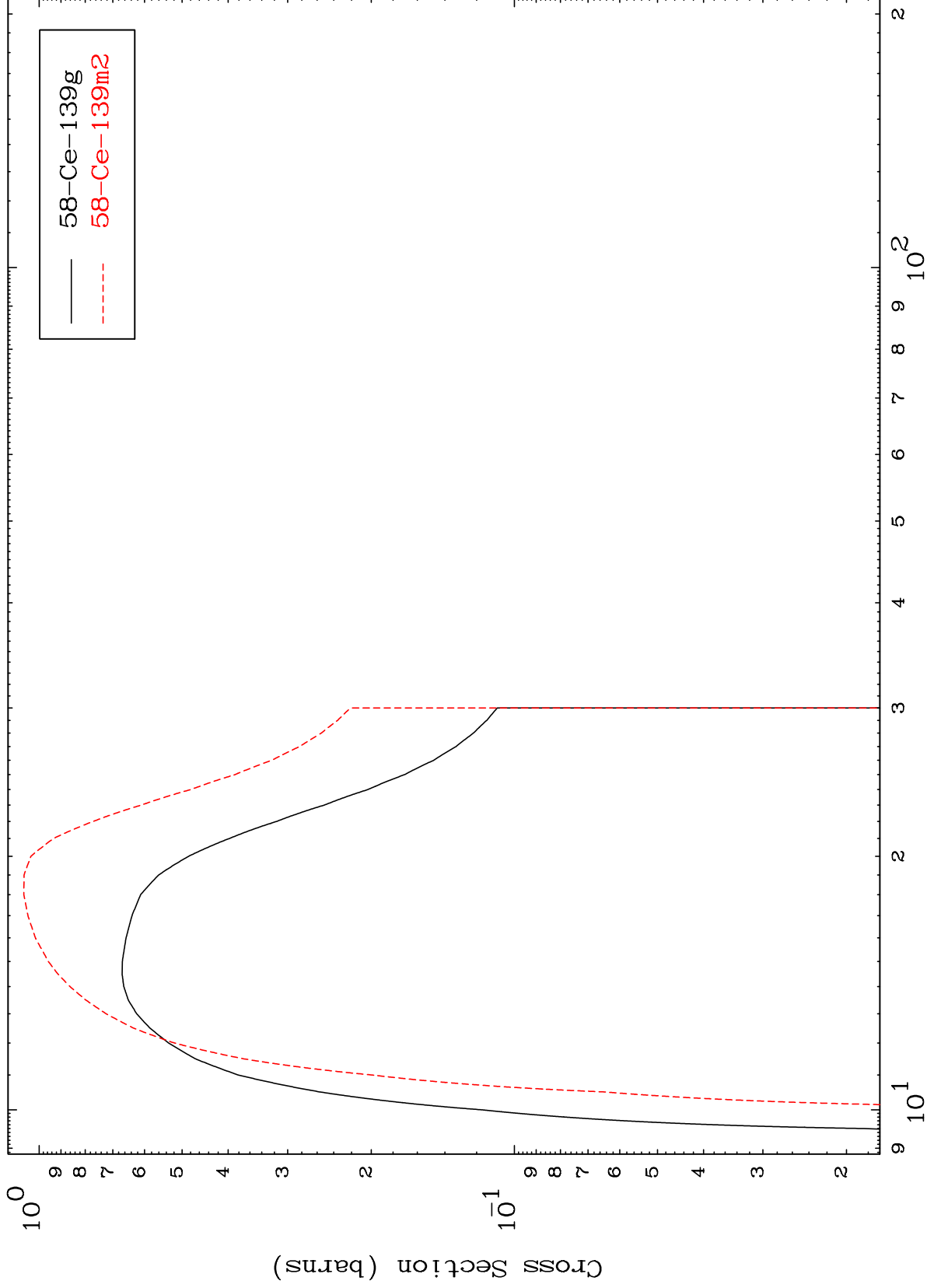
58-Ce-140

MAT 5837

(n,2n)

58-Ce-140

Radionuclide Production Cross Section



121

Incident Energy (MeV)

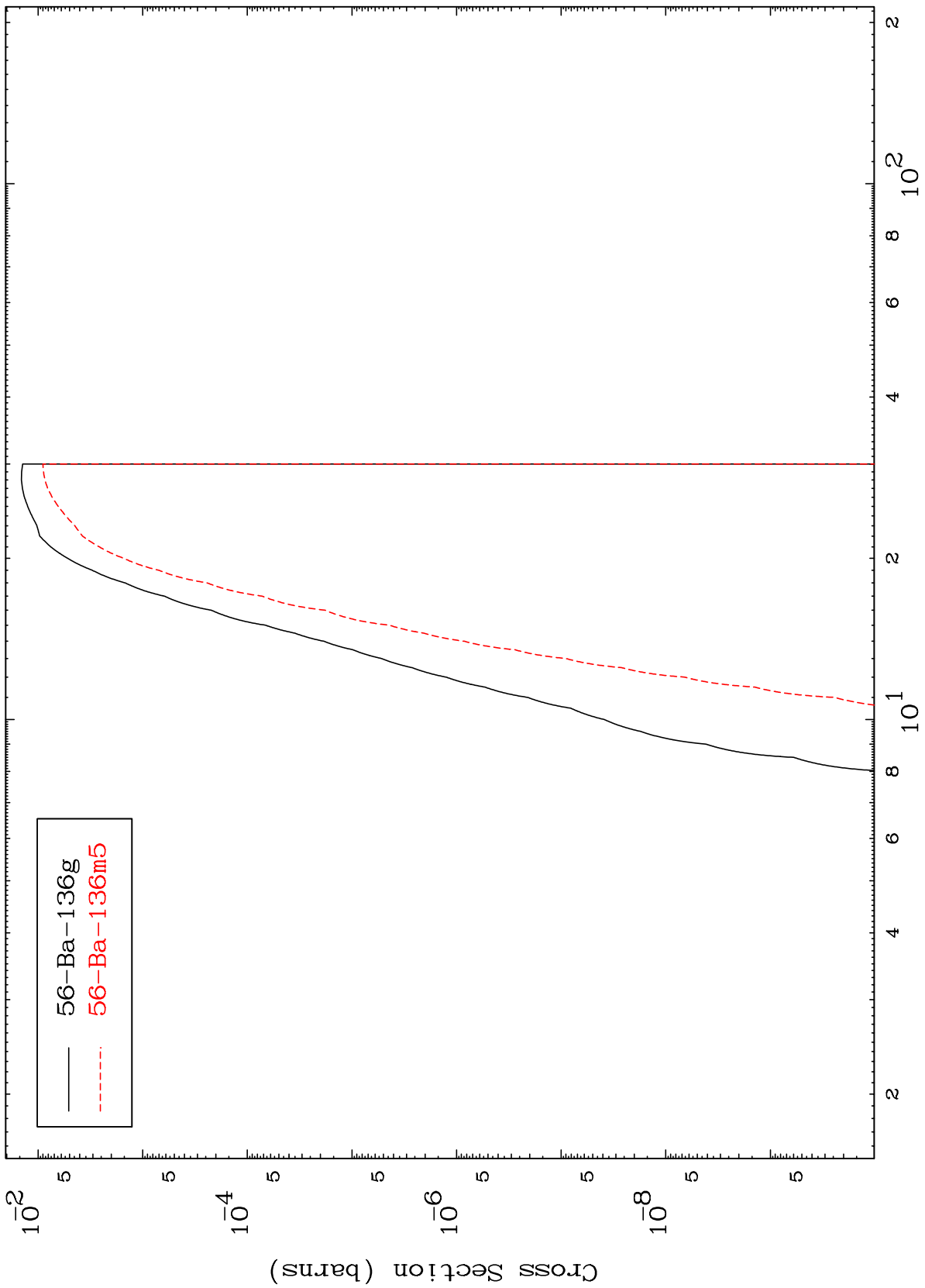
58-Ce-140

MAT 5837

(n,n') α

58-Ce-140

Radionuclide Production Cross Section



— 56-Ba-136g
- - - 56-Ba-136m5

122

Incident Energy (MeV)

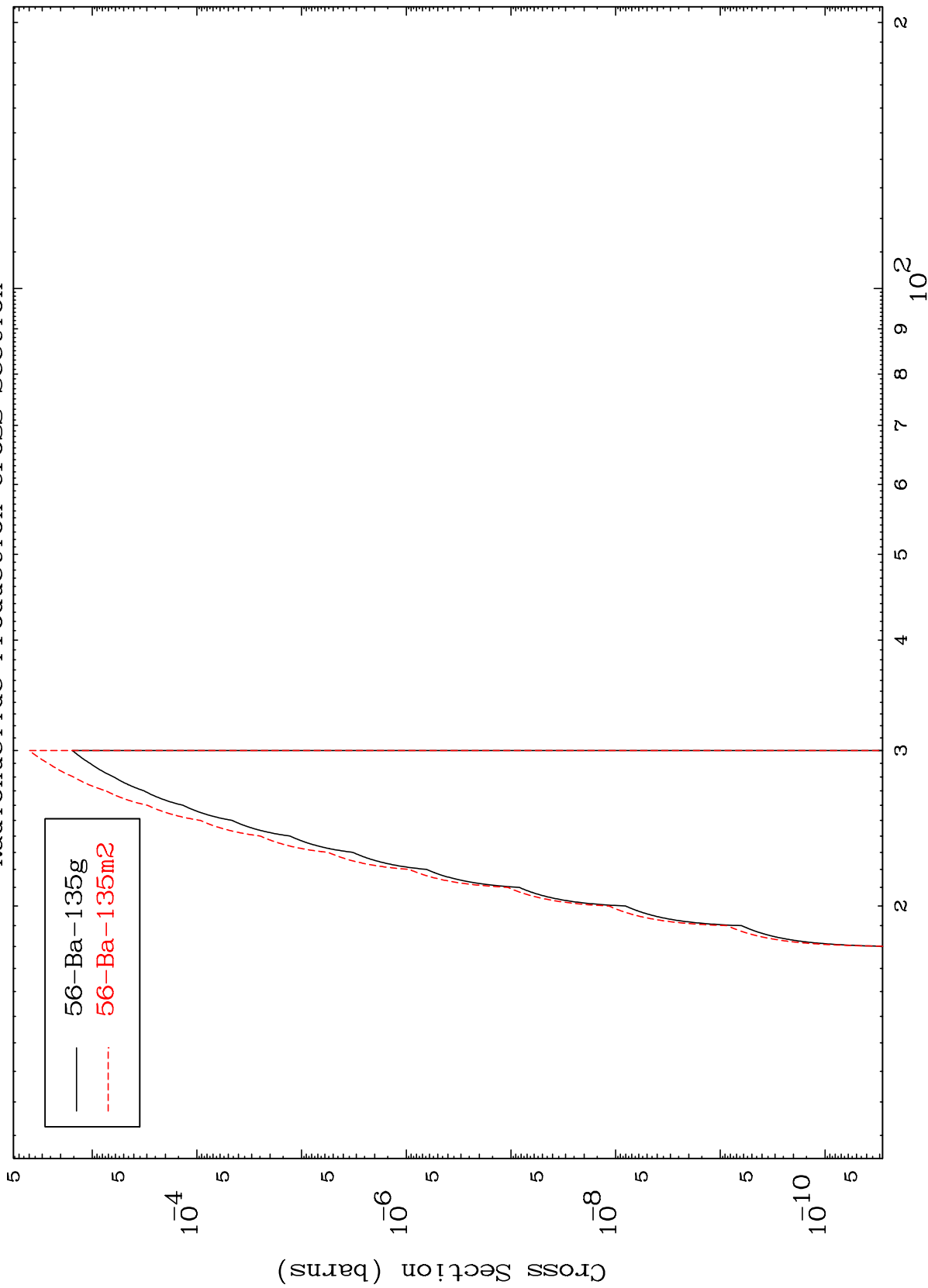
58-Ce-140

MAT 5837

(n,2n) α

58-Ce-140

Radionuclide Production Cross Section



123

Incident Energy (MeV)

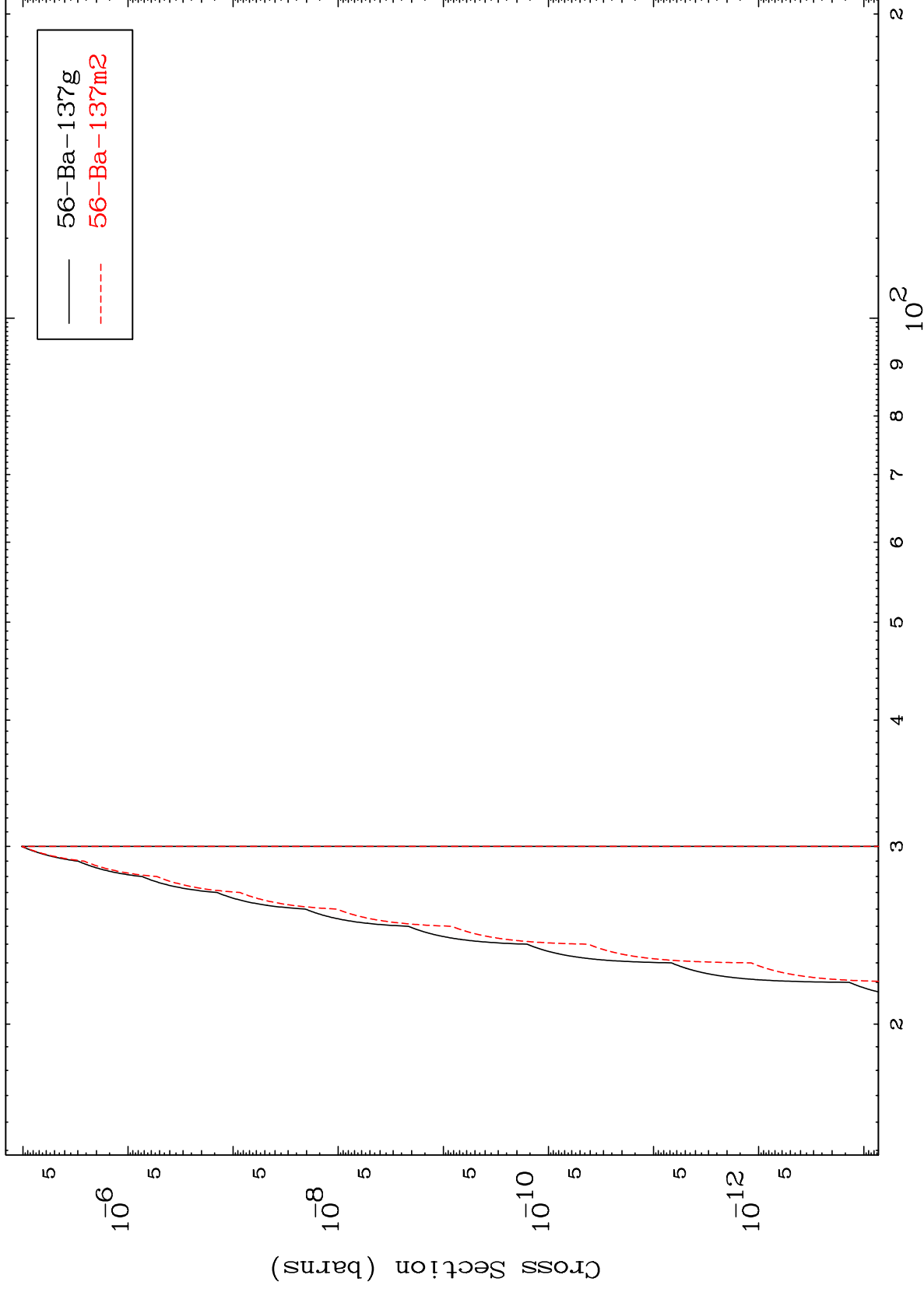
58-Ce-140

MAT 5837

(n,n') He-3

58-Ce-140

Radionuclide Production Cross Section



124

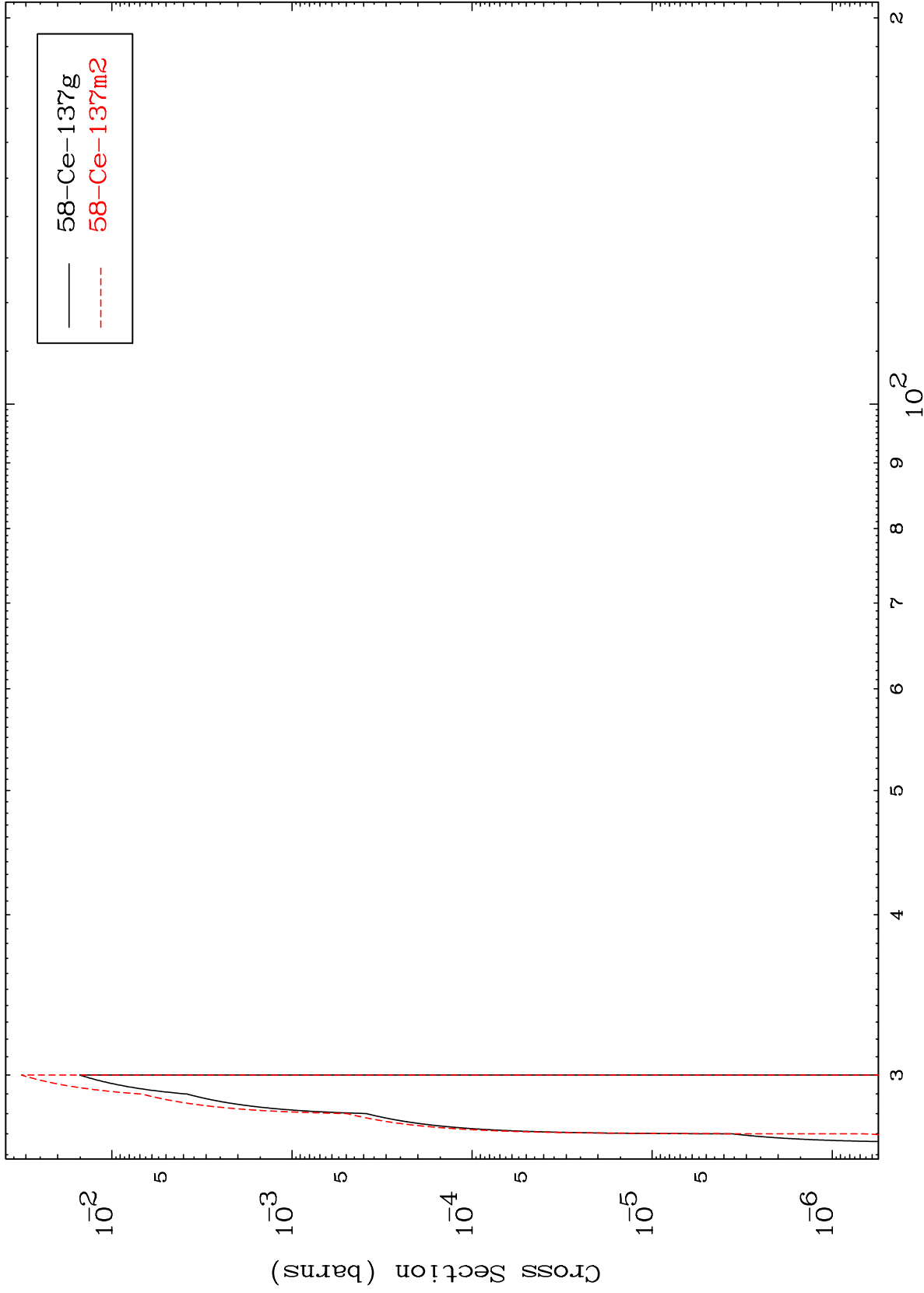
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,4n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

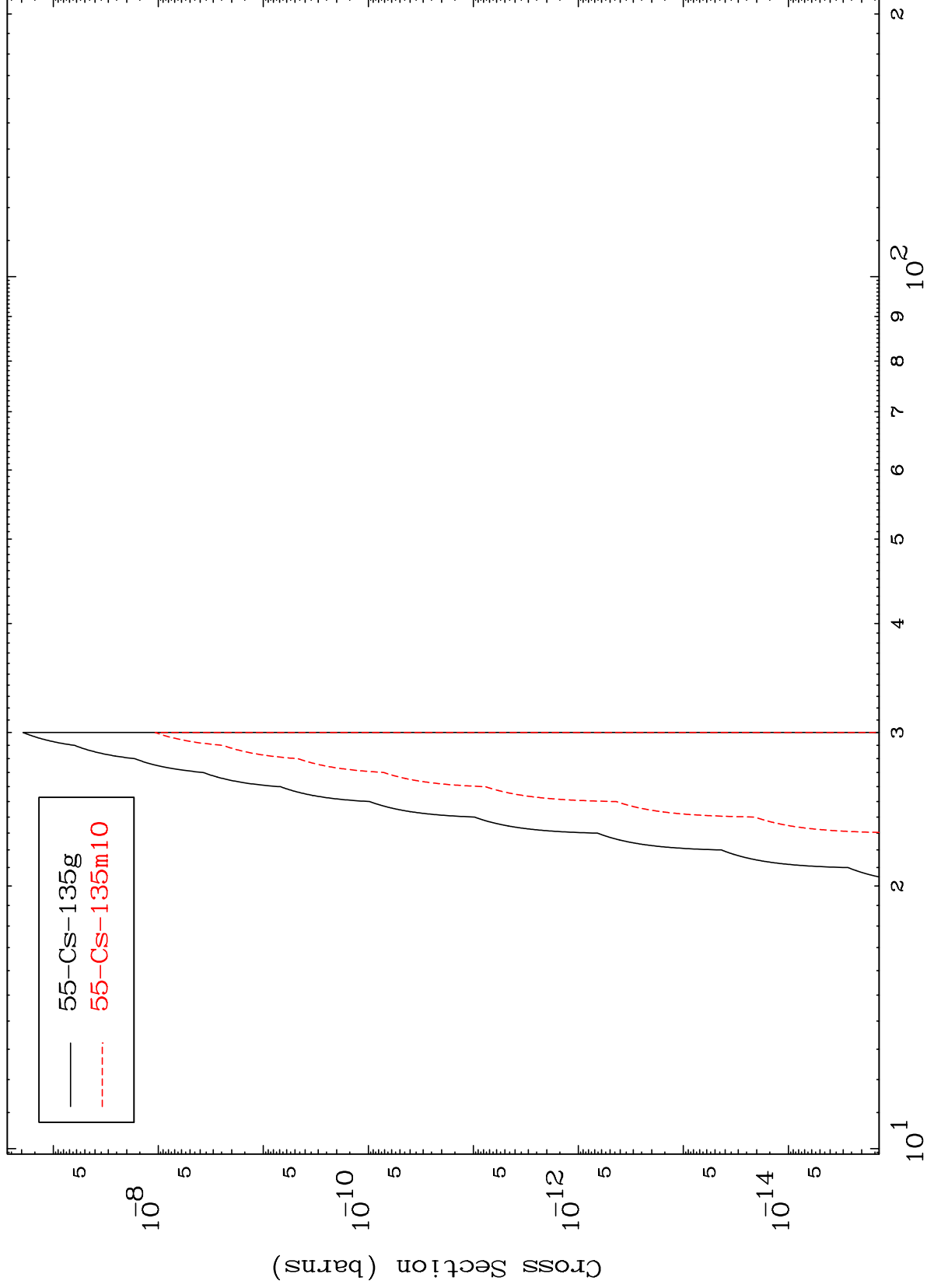
58-Ce-140

MAT 5837

(n,n') p α

58-Ce-140

Radionuclide Production Cross Section



126

Incident Energy (MeV)

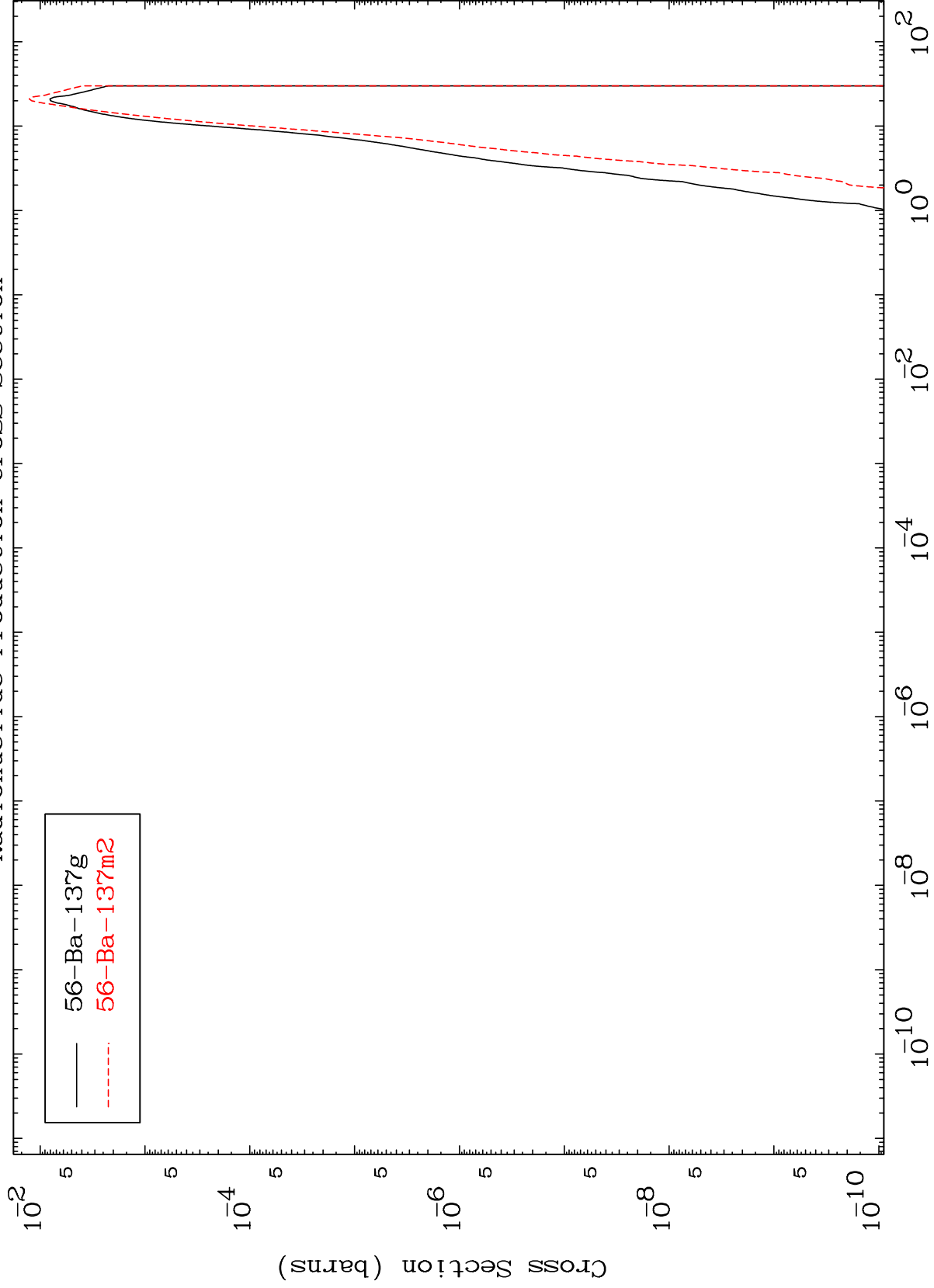
58-Ce-140

MAT 5837

(n, α)

58-Ce-140

Radionuclide Production Cross Section



127

Incident Energy (MeV)

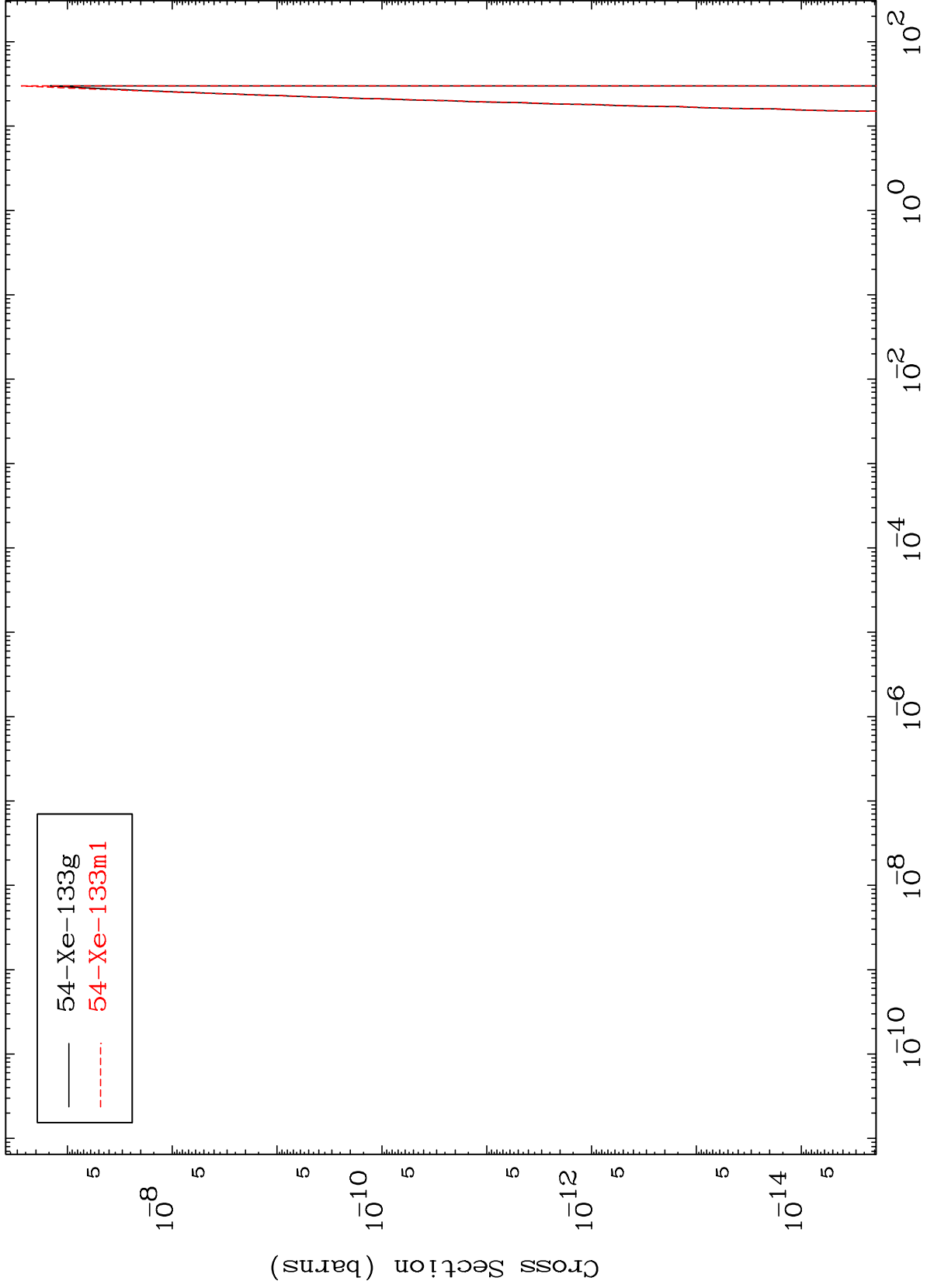
58-Ce-140

MAT 5837

(n,2α)

58-Ce-140

Radionuclide Production Cross Section



128

Incident Energy (MeV)

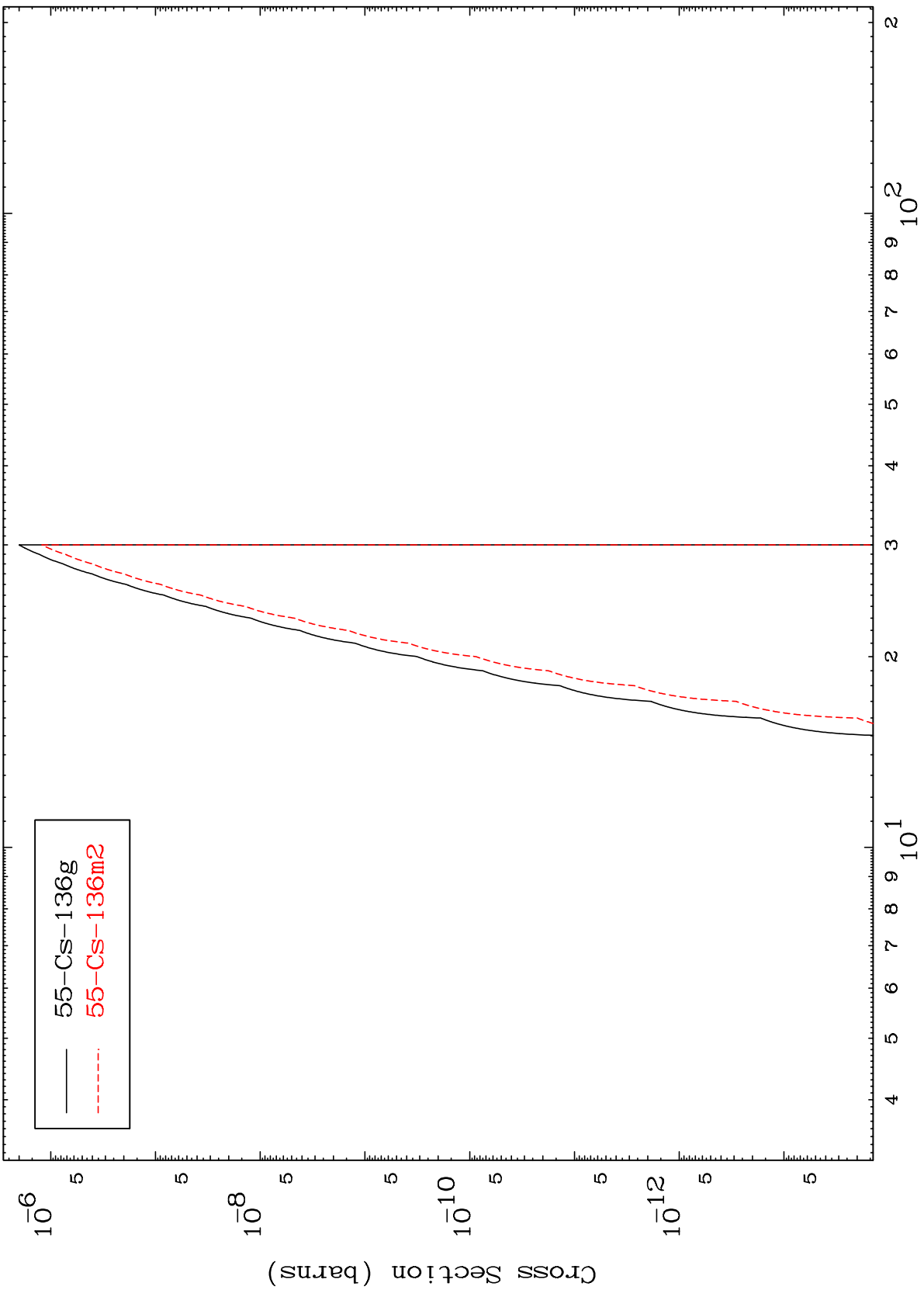
58-Ce-140

MAT 5837

(n,p) α

58-Ce-140

Radionuclide Production Cross Section



129

Incident Energy (MeV)

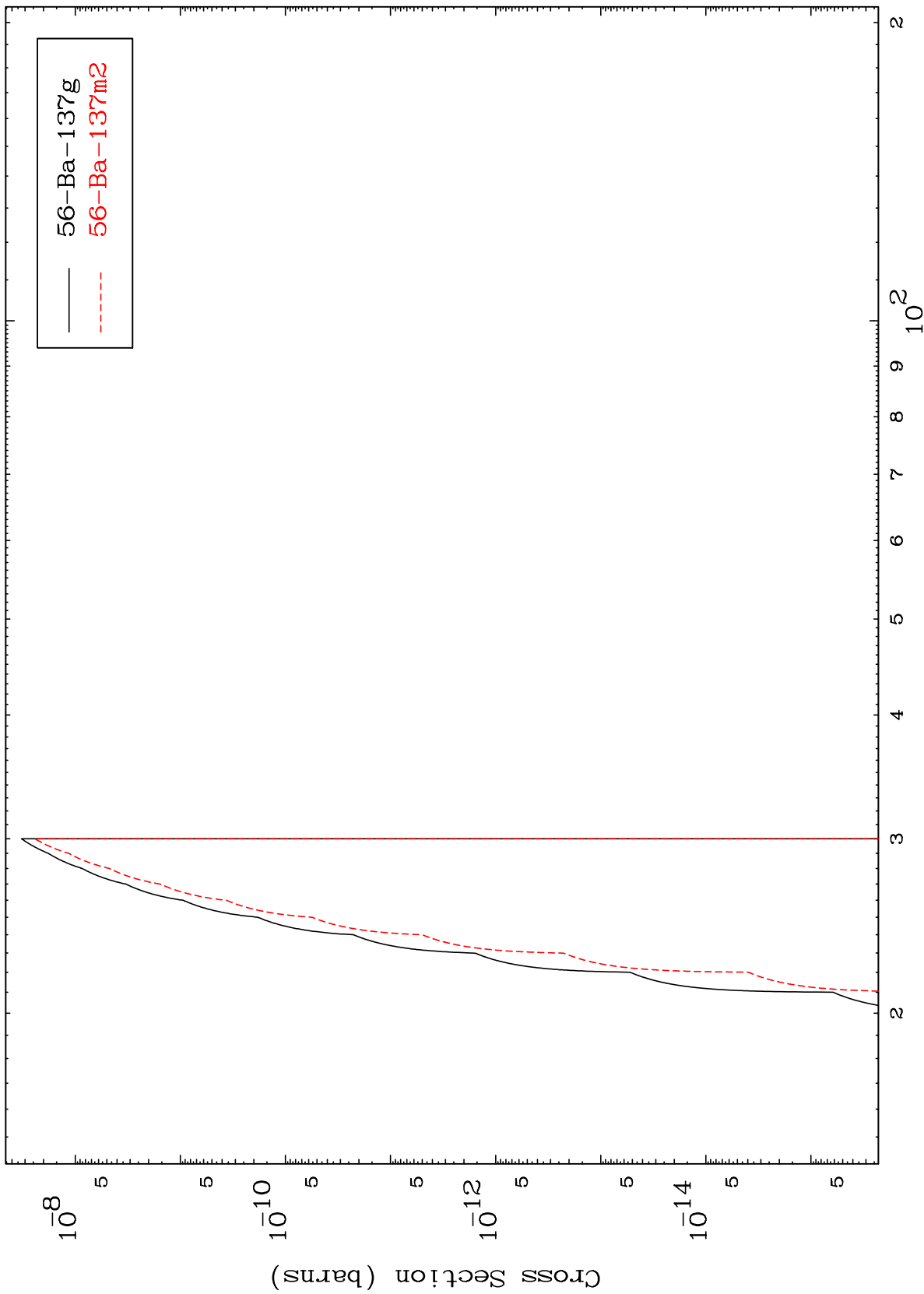
58-Ce-140

MAT 5837

(n,p) t

58-Ce-140

Radionuclide Production Cross Section



130

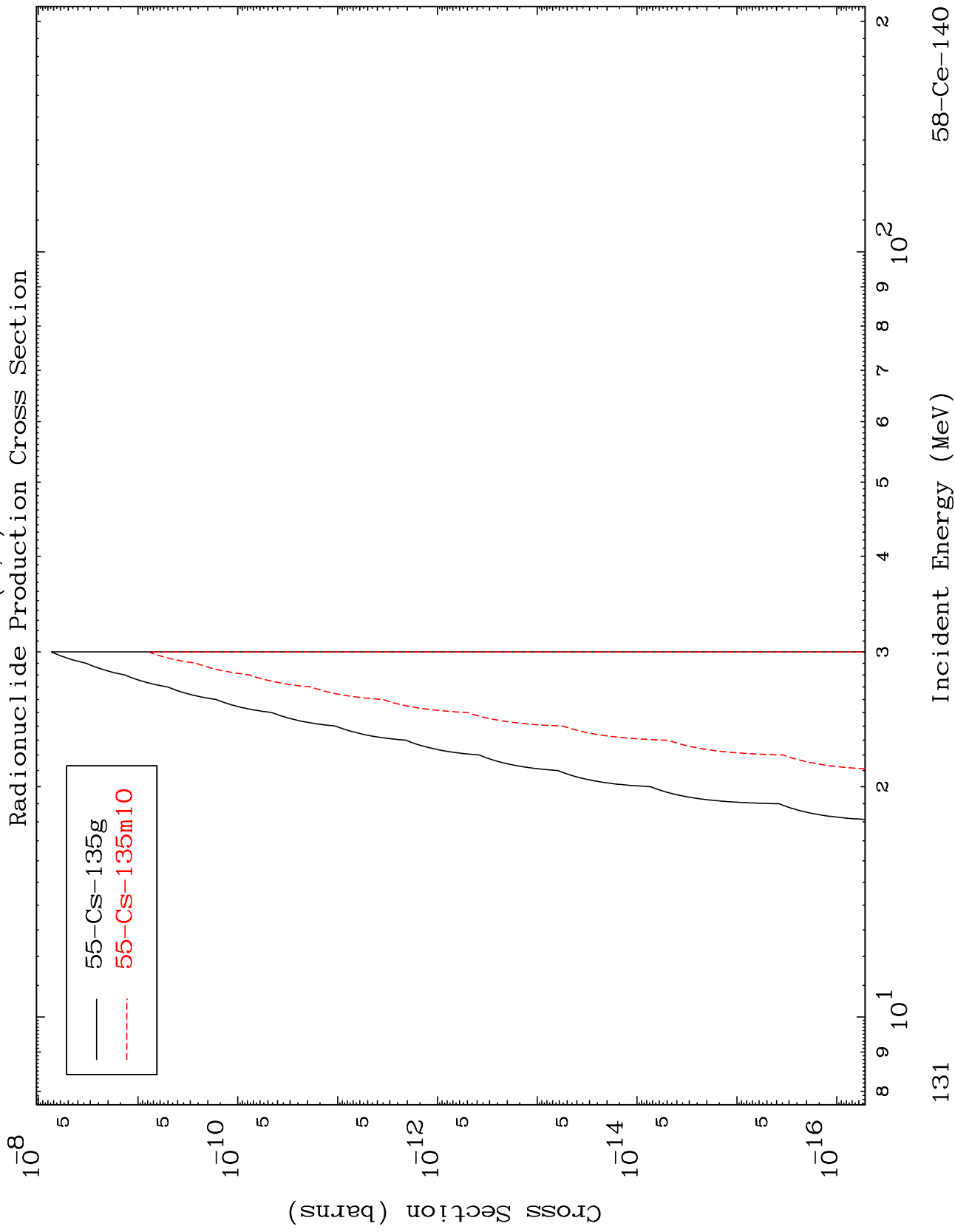
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,d) α

58-Ce-140



131