

Program EVALPLOT  
(Version 2021-1)

by

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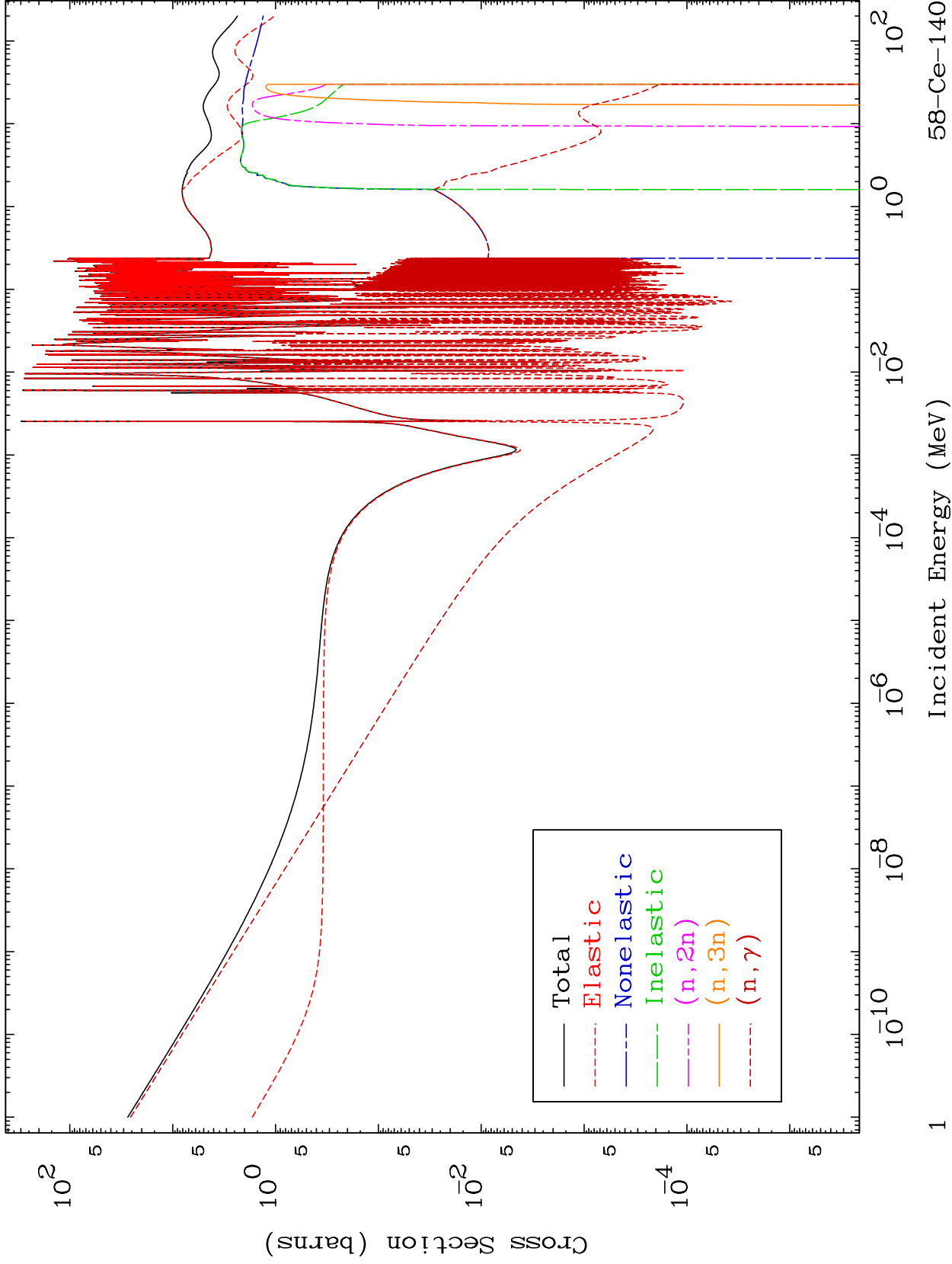
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5837

Neutron Major  
293 Kelvin Cross Sections

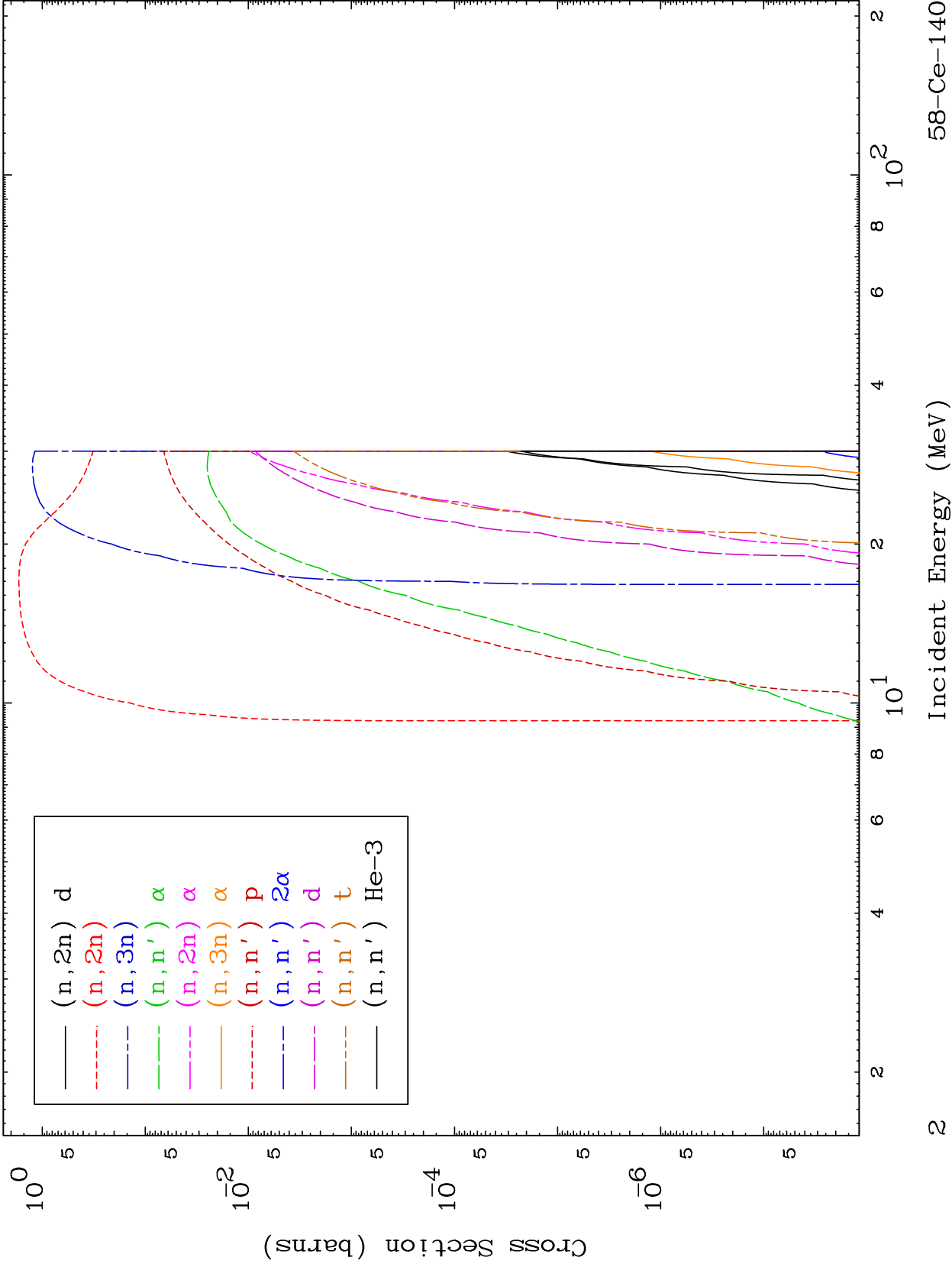
58-Ce-140



MAT 5837

Neutron Absorption  
293 Kelvin Cross Sections

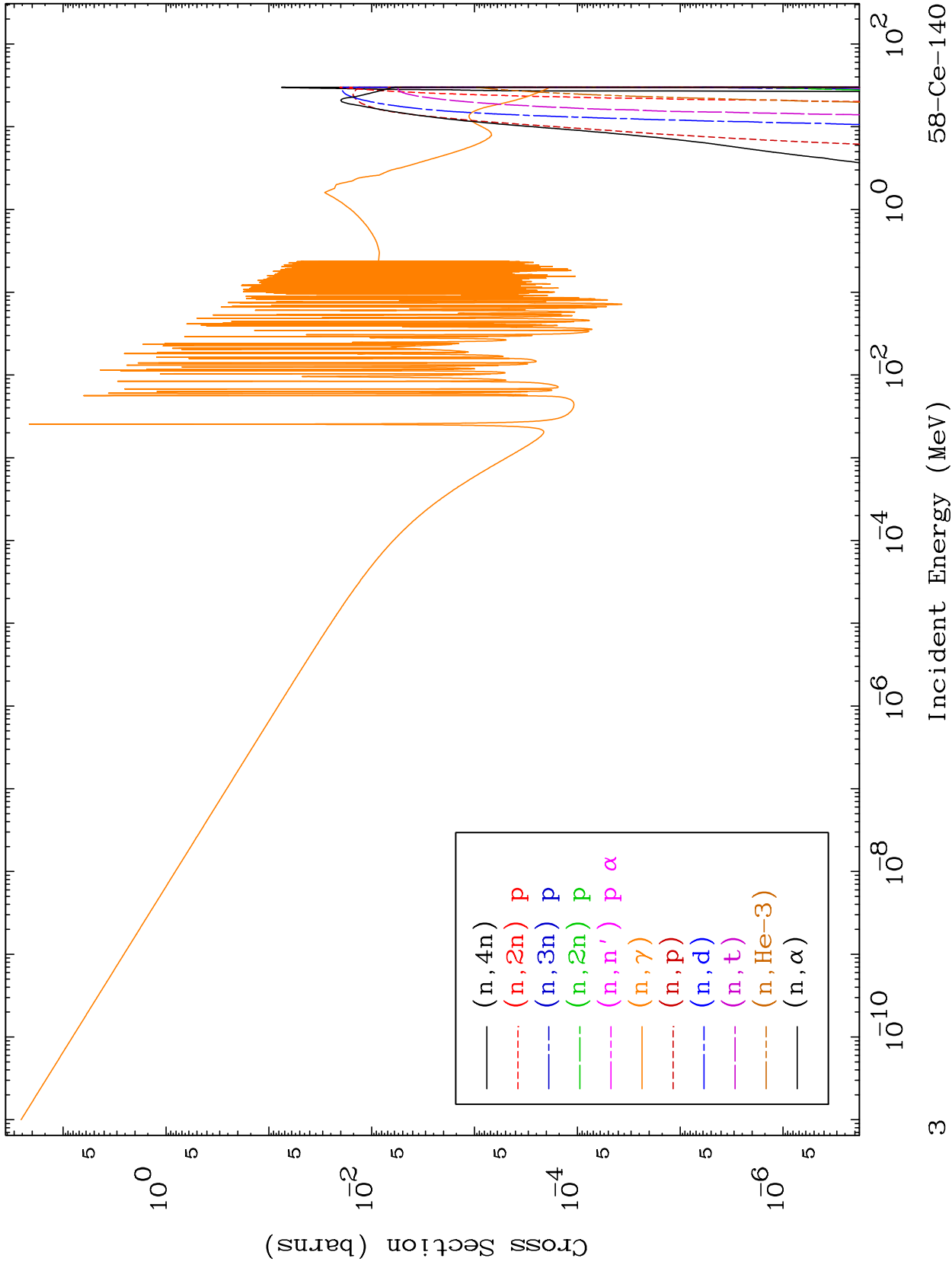
58-Ce-140



MAT 5837

Neutron Absorption  
293 Kelvin Cross Sections

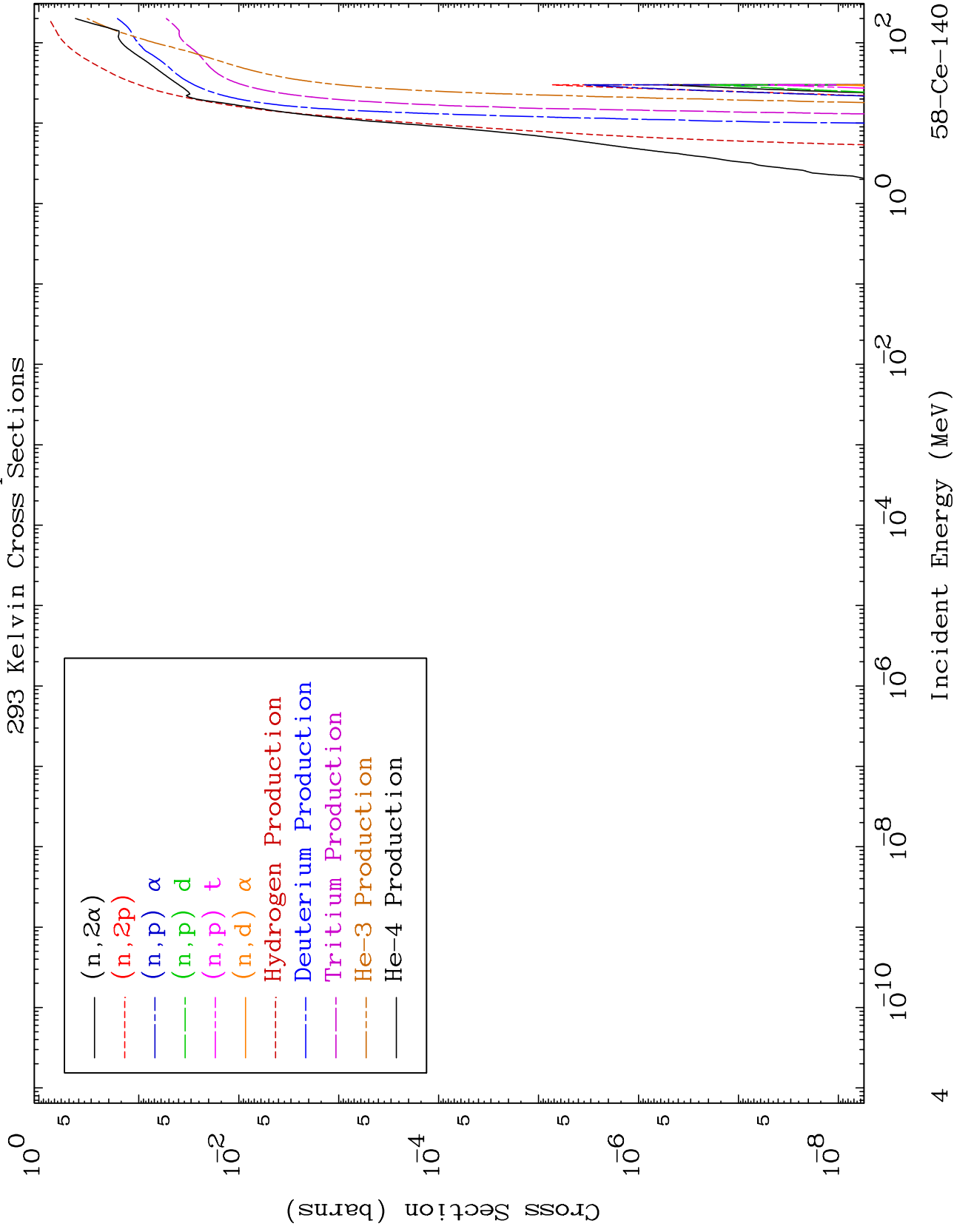
58-Ce-140



MAT 5837

Neutron Absorption  
293 Kelvin Cross Sections

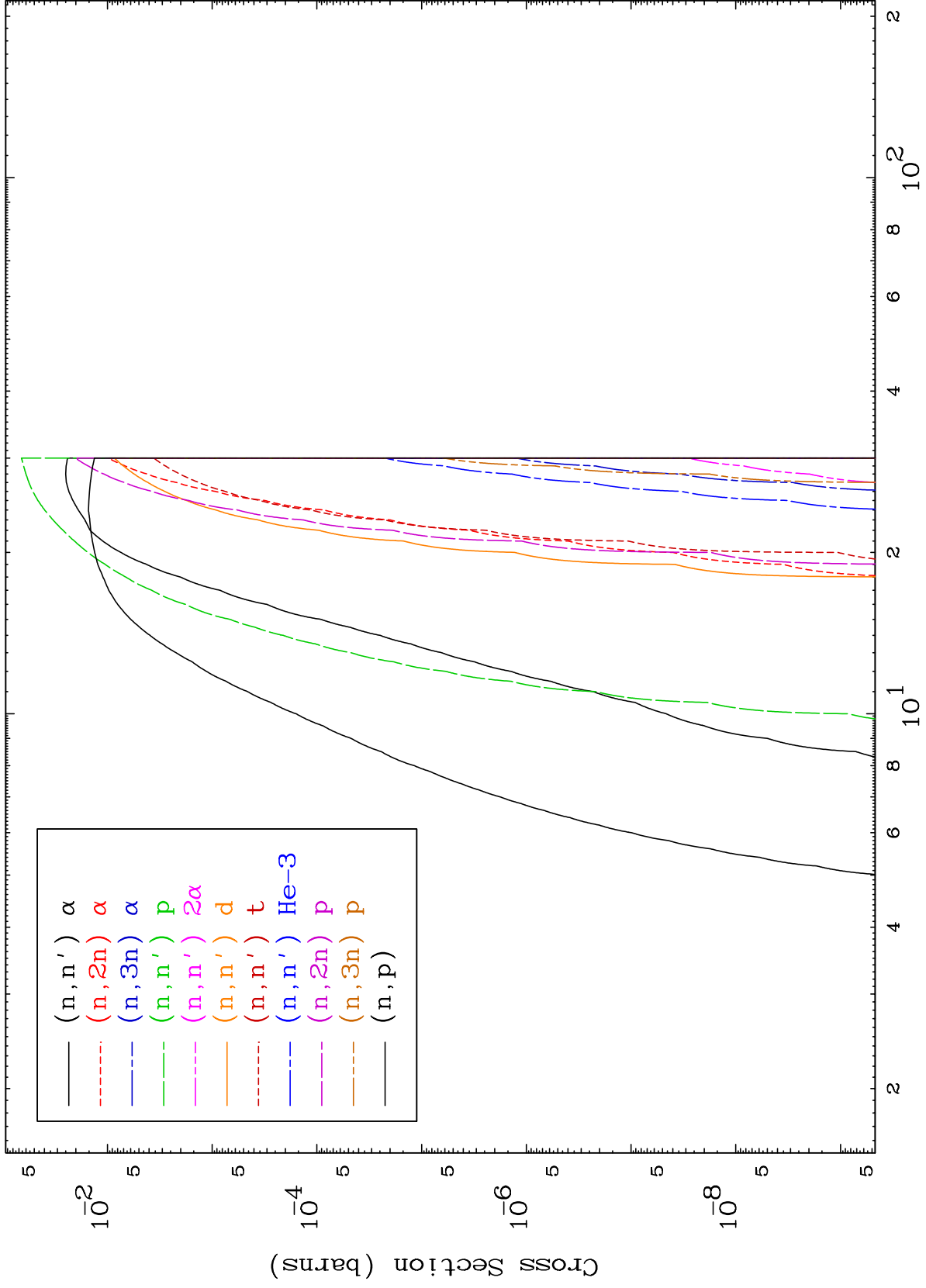
58-Ce-140



MAT 5837

Charged Particle  
293 Kelvin Cross Sections

58-Ce-140



5

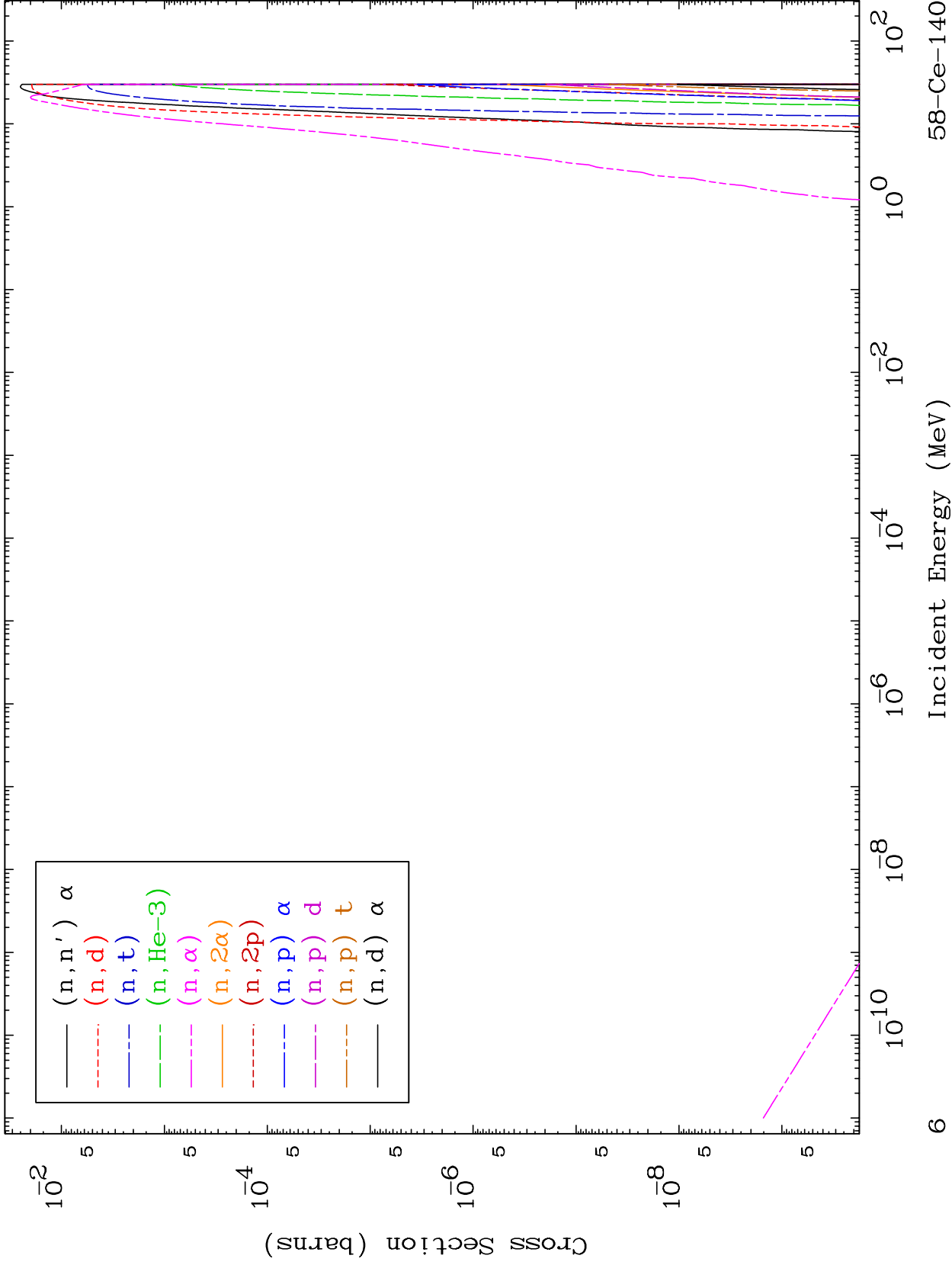
Incident Energy (MeV)

58-Ce-140

MAT 5837

Charged Particle  
293 Kelvin Cross Sections

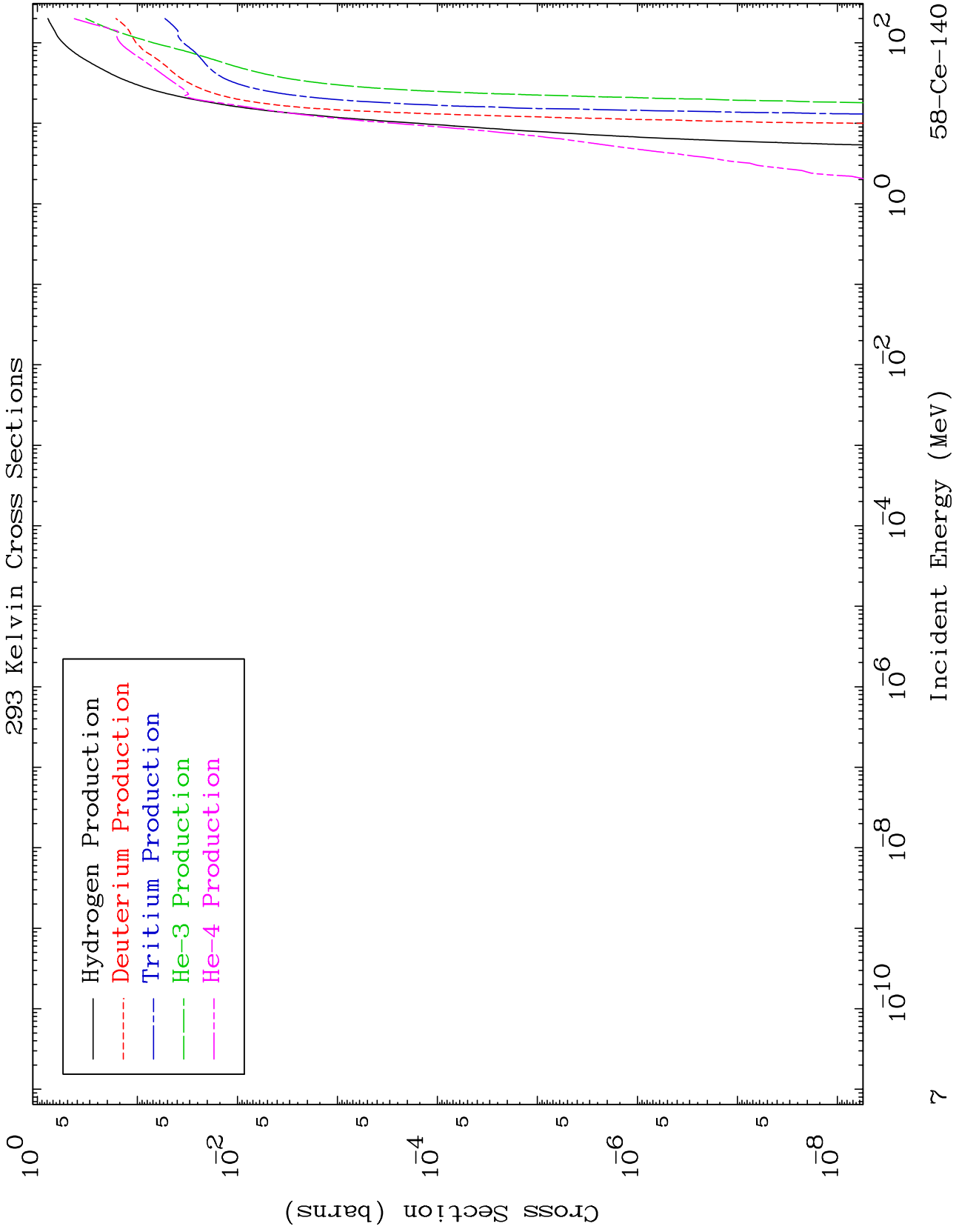
58-Ce-140



MAT 5837

Particle Production  
293 Kelvin Cross Sections

58-Ce-140



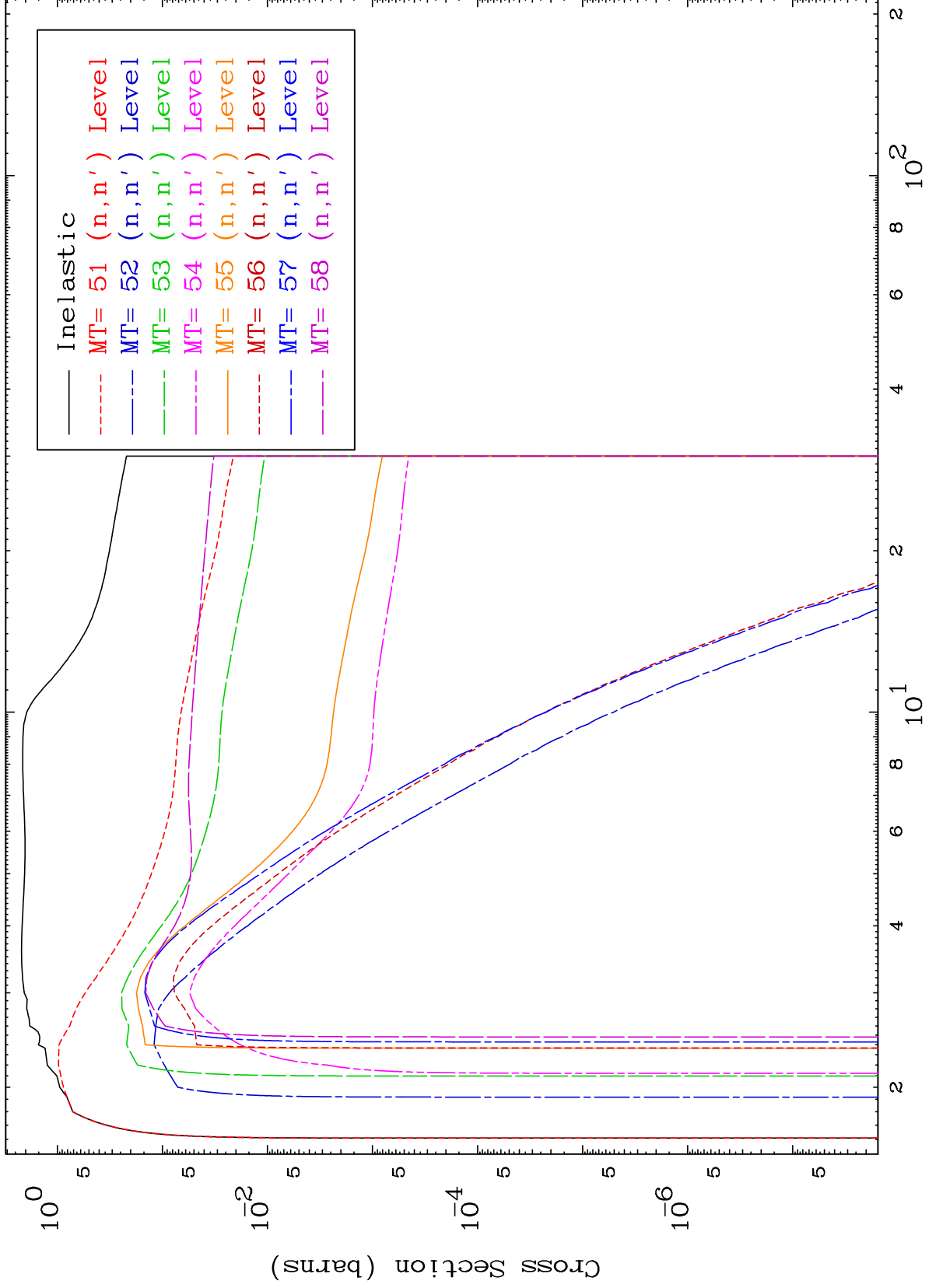


MAT 5837

(n,n') Levels

58-Ce-140

293 Kelvin Cross Sections



8

Incident Energy (MeV)

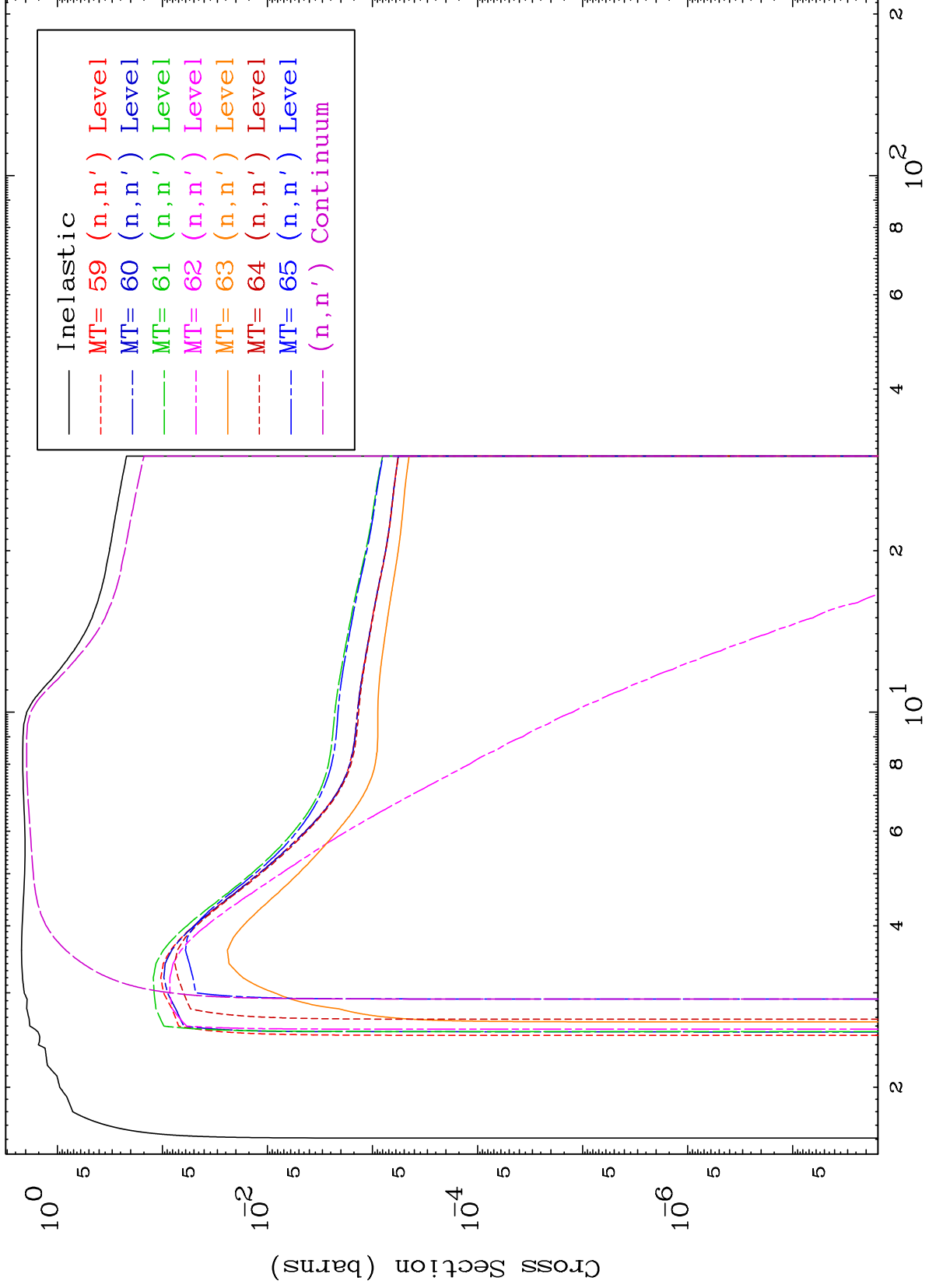
58-Ce-140

MAT 5837

(n,n') Levels

58-Ce-140

293 Kelvin Cross Sections



9

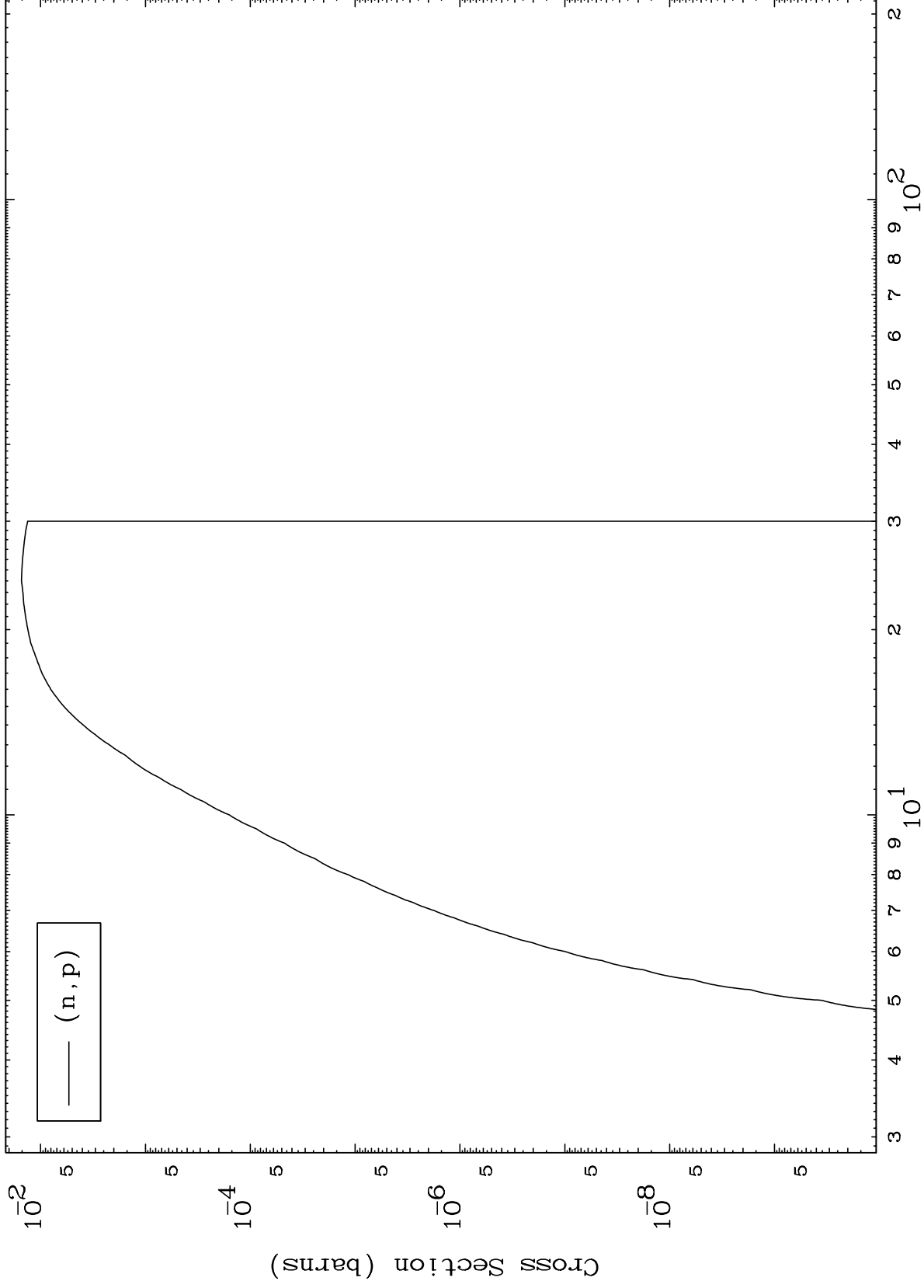
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-140



10

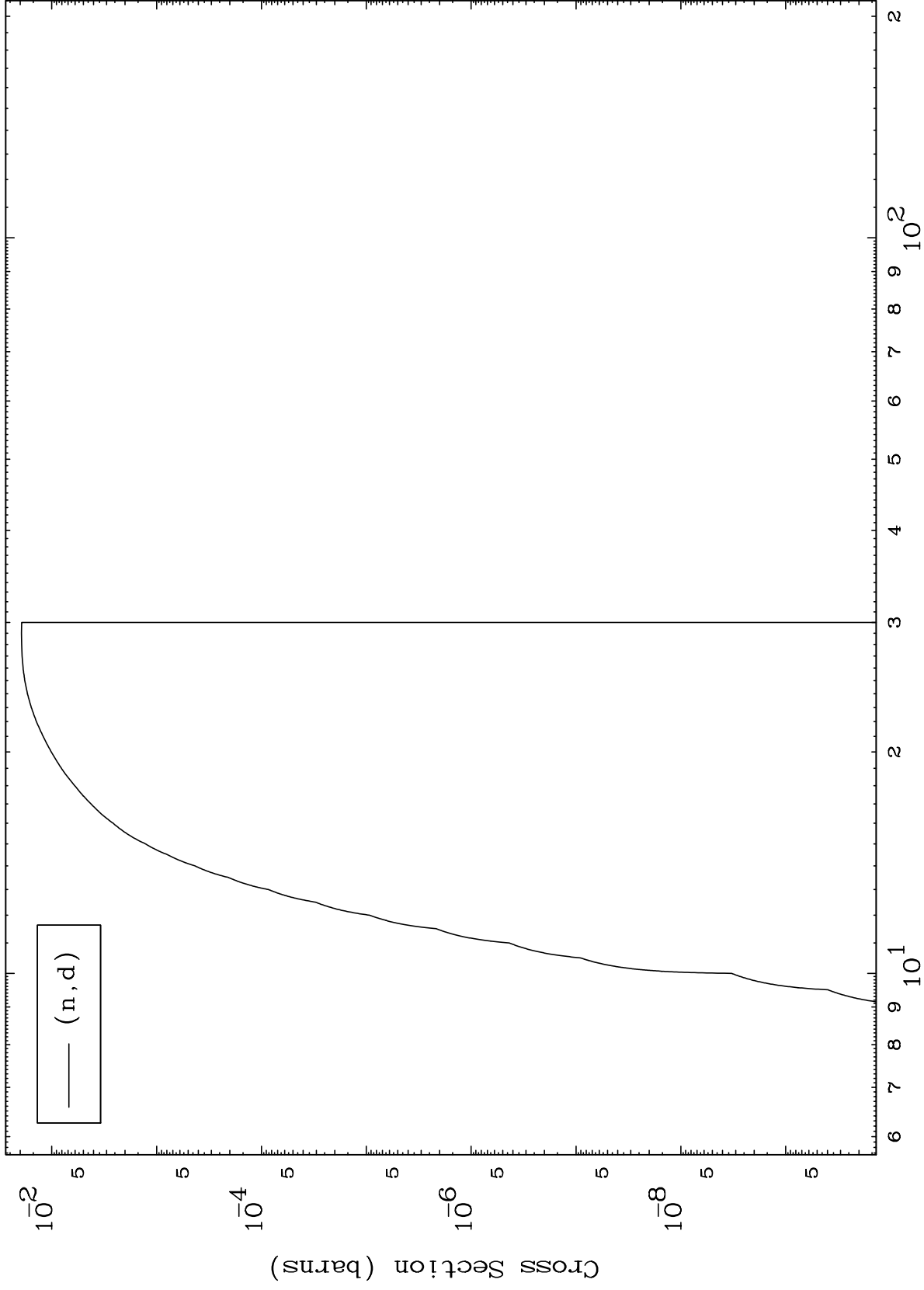
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-140



11

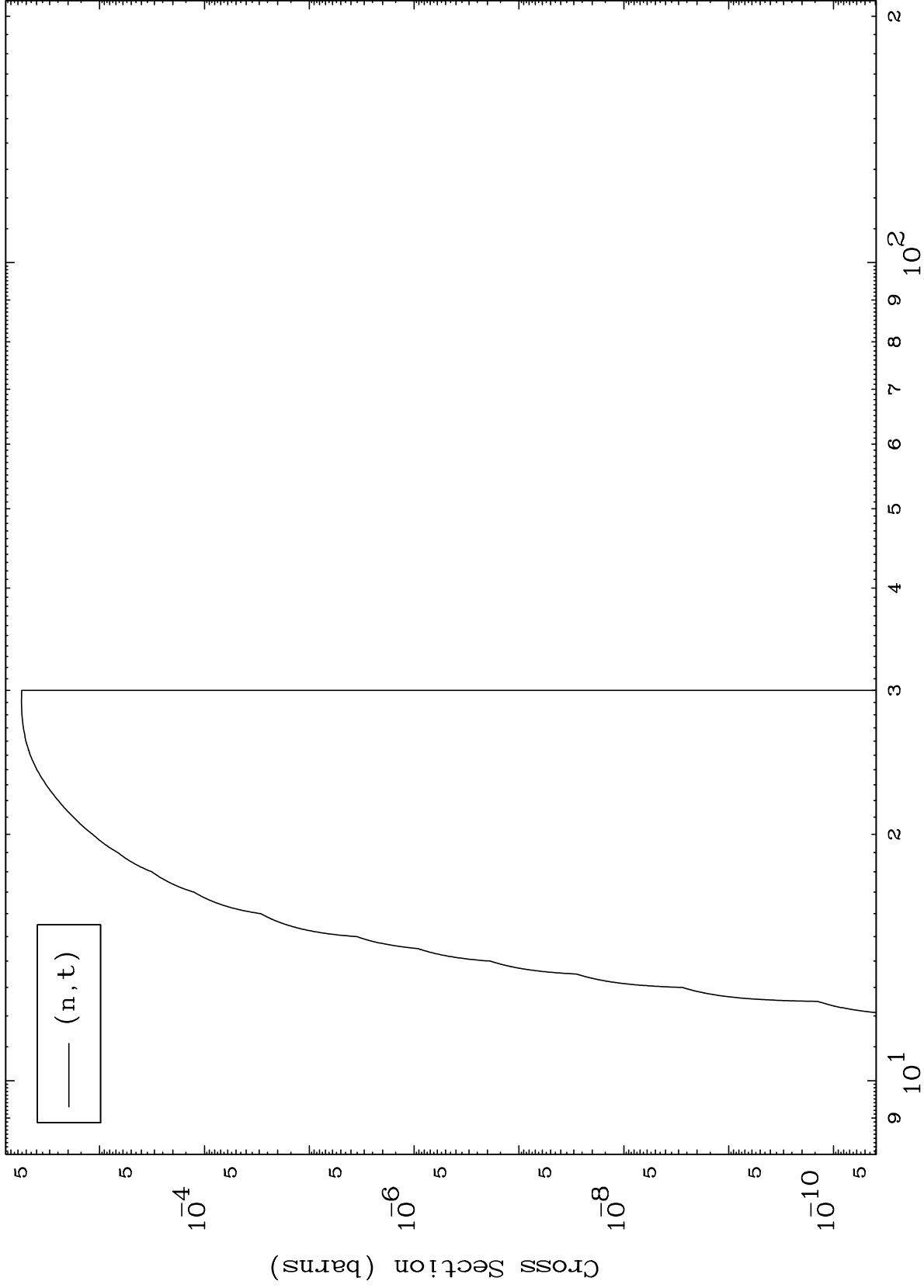
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-140



Incident Energy (MeV)

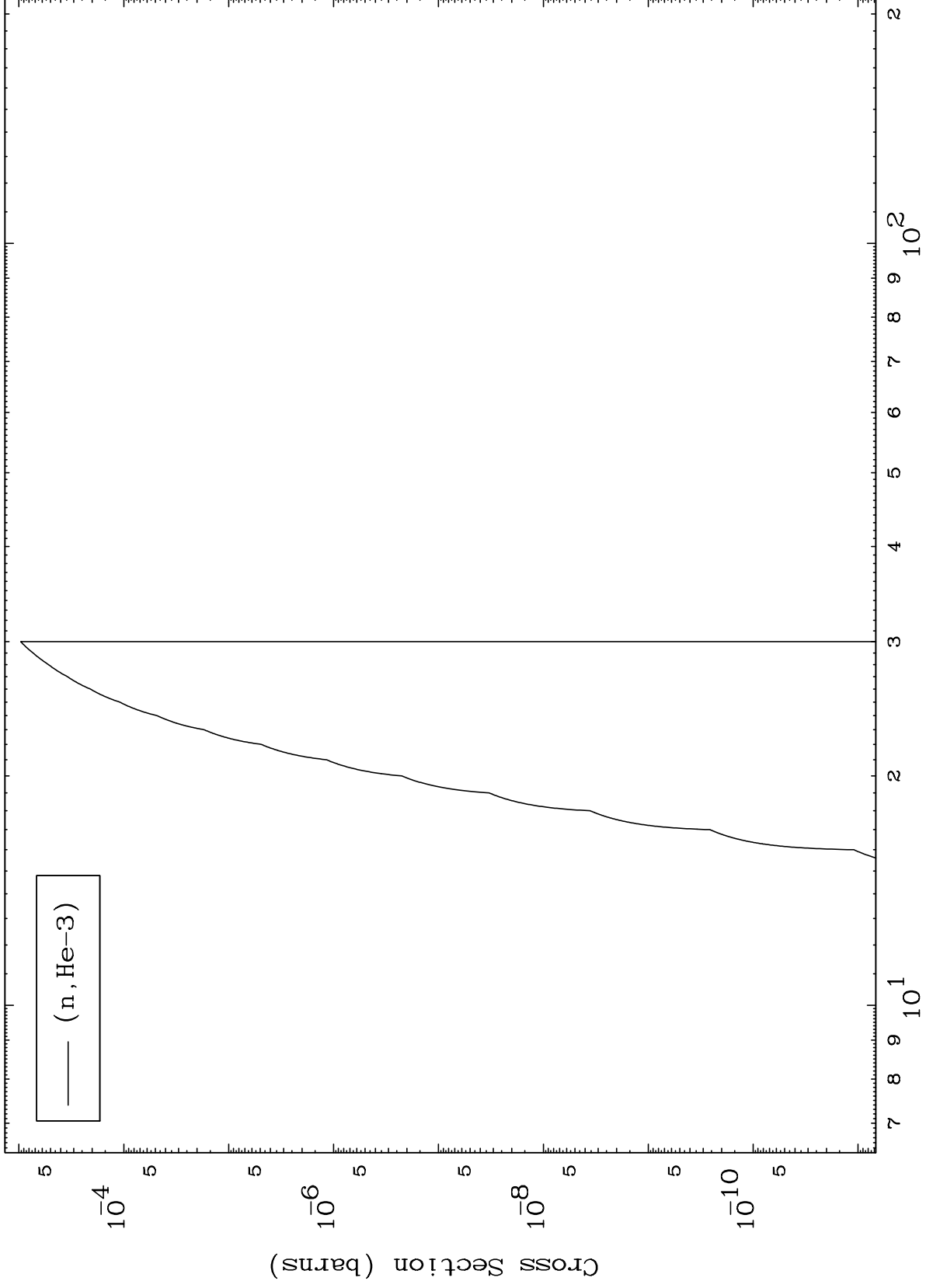
58-Ce-140

12

MAT 5837

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-140



13

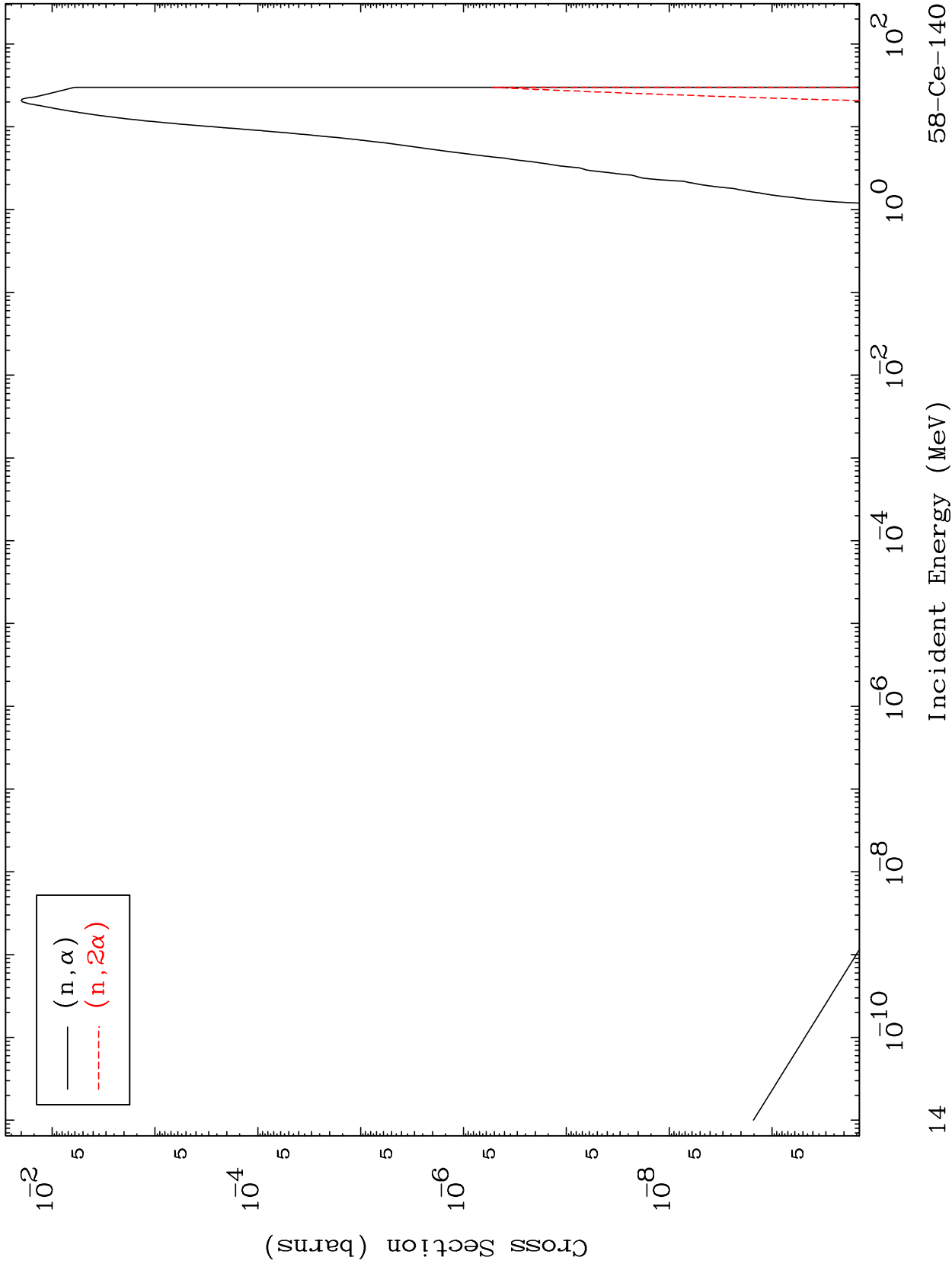
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

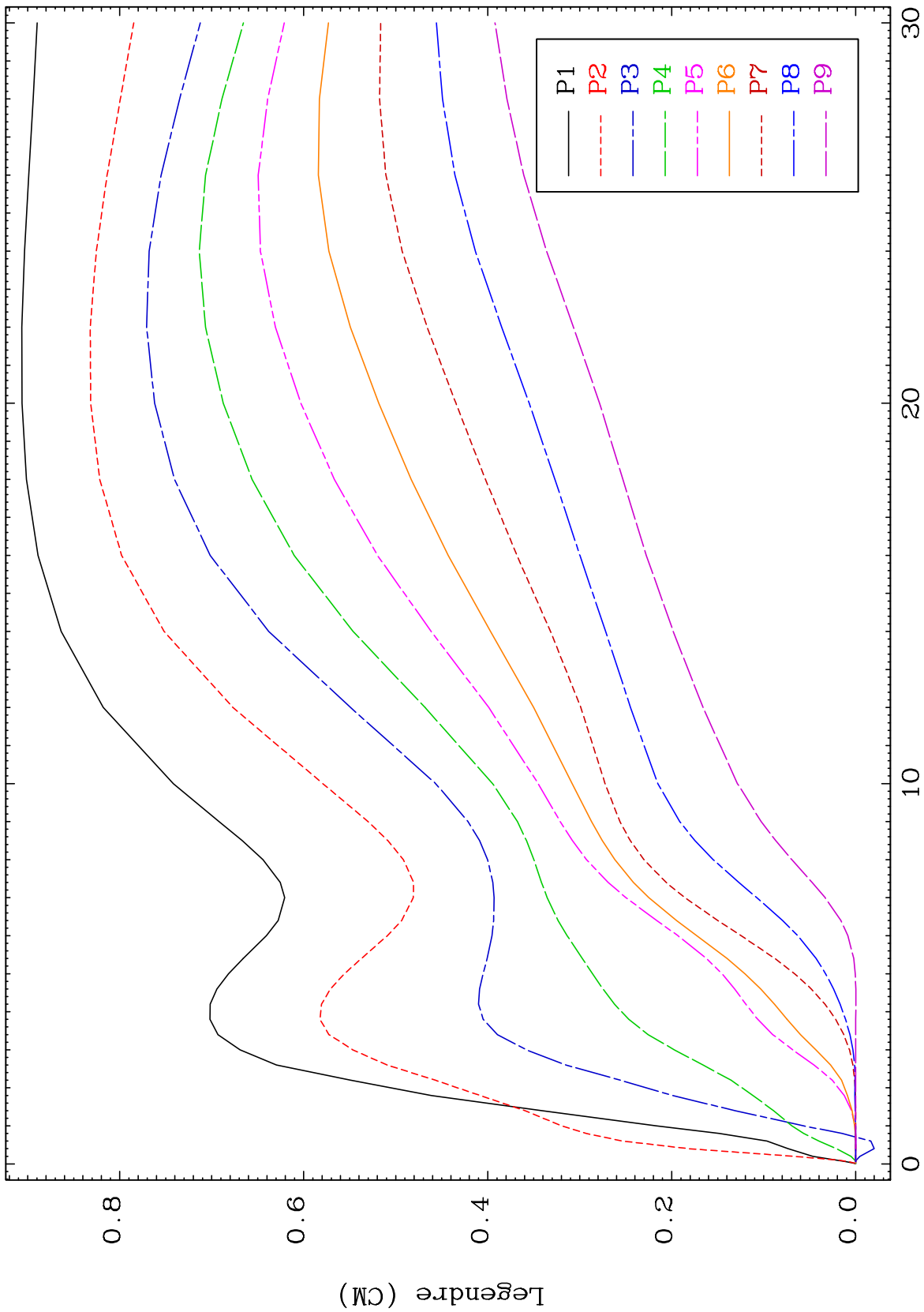
58-Ce-140



MAT 5837

Elastic Legendre Coefficients

58-Ce-140



Incident Energy (MeV)

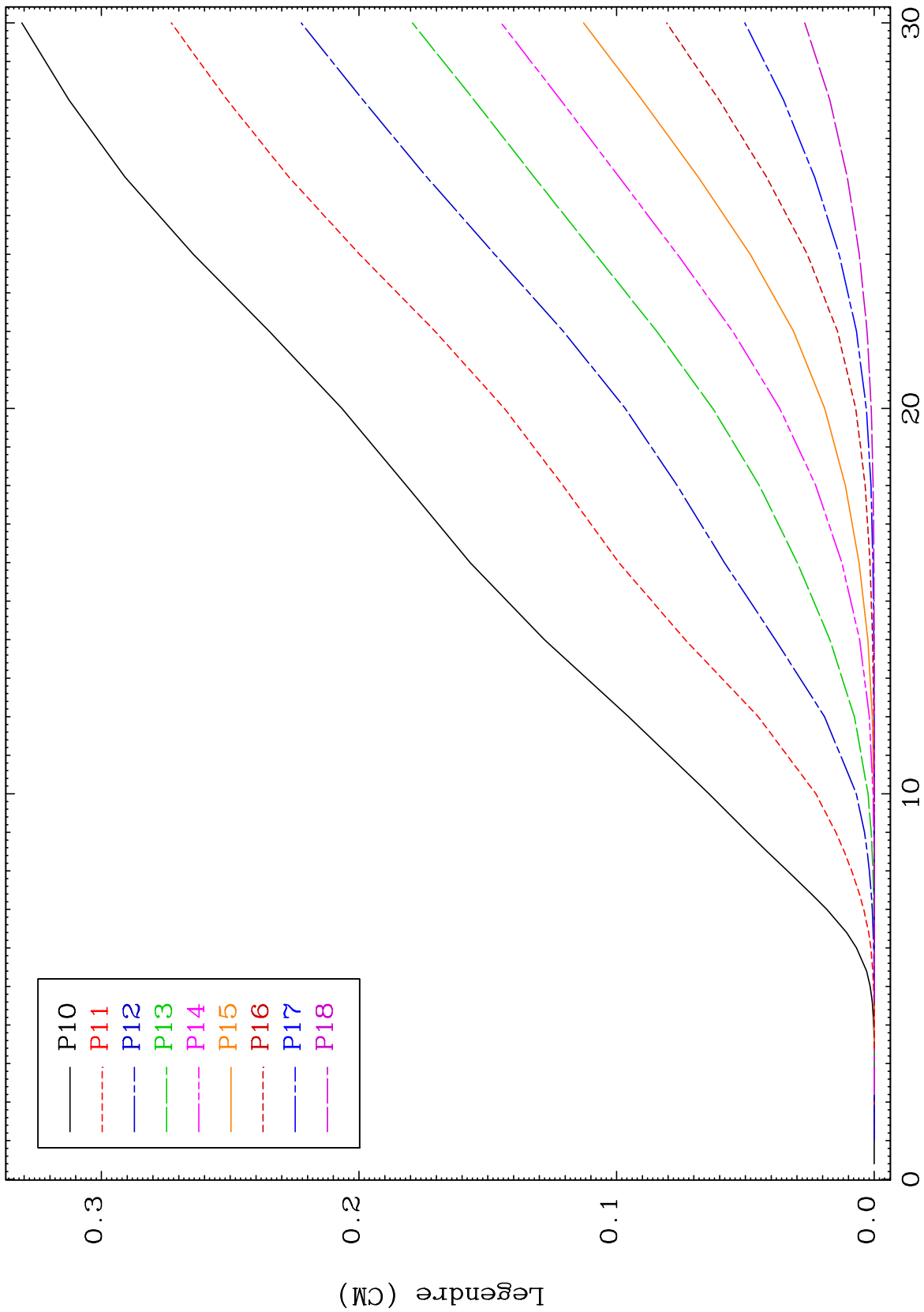
58-Ce-140



MAT 5837

Elastic Legendre Coefficients

58-Ce-140



16

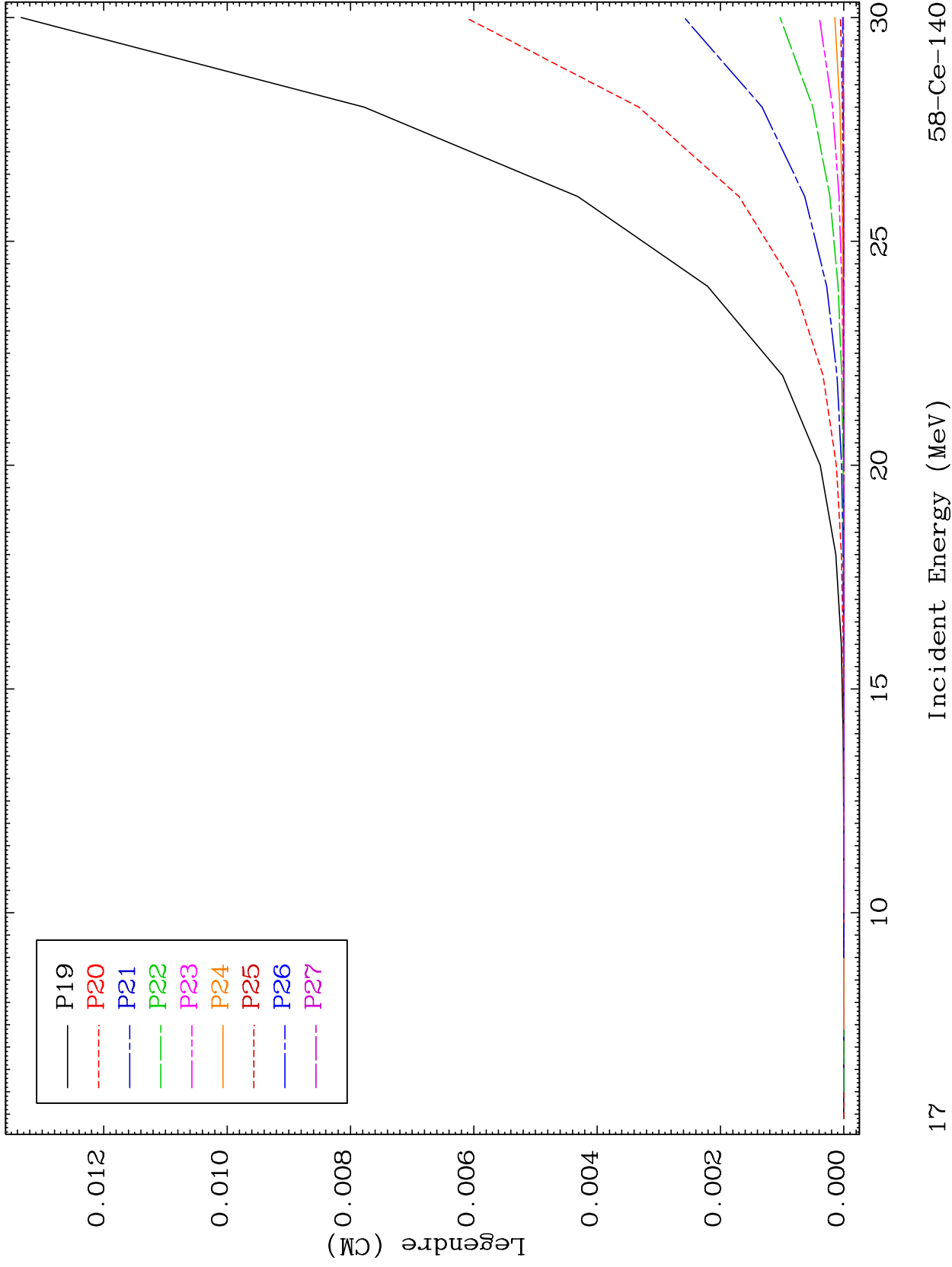
Incident Energy (MeV)

58-Ce-140

MAT 5837

### Elastic Legendre Coefficients

58-Ce-140



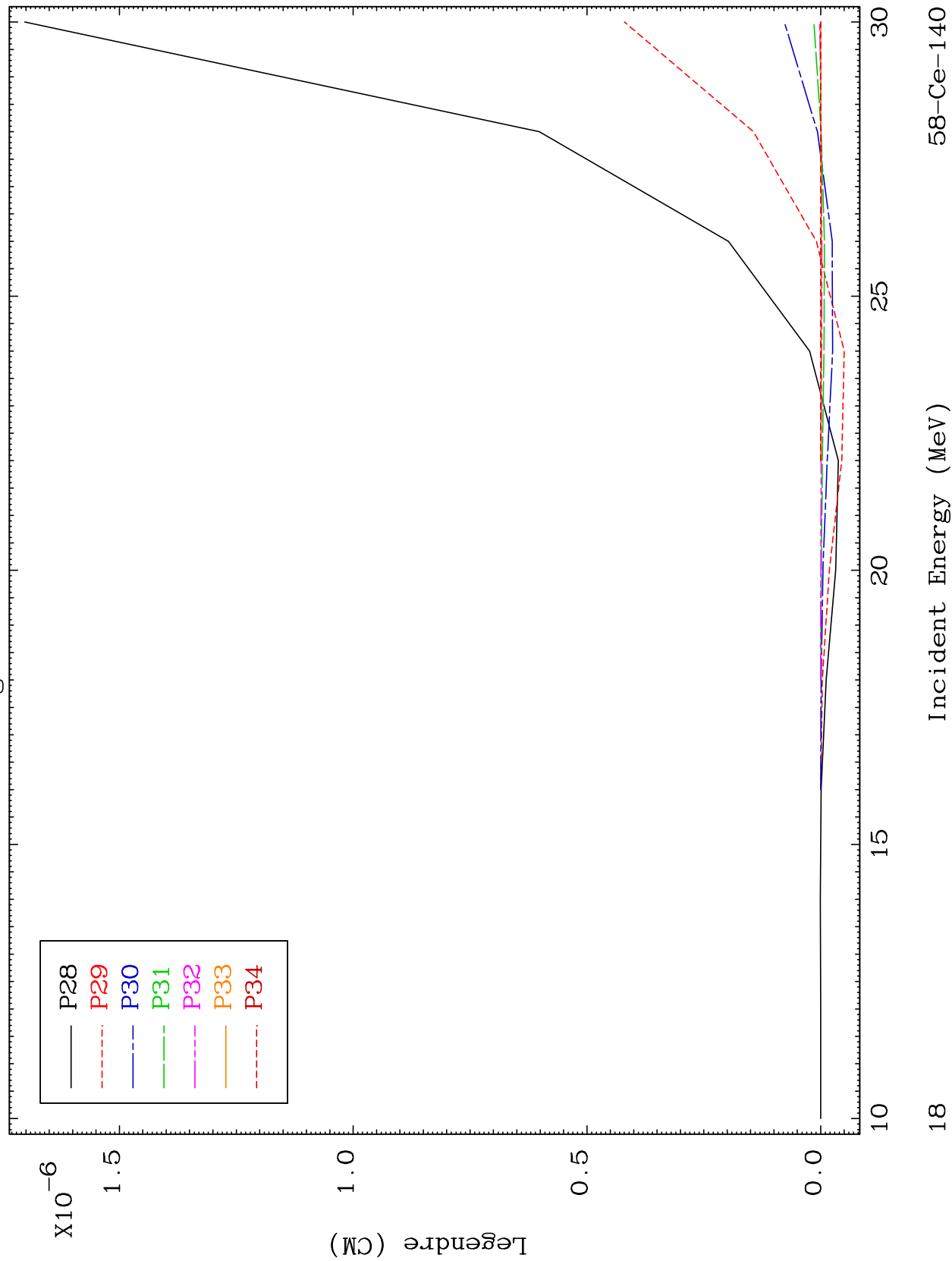
17

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

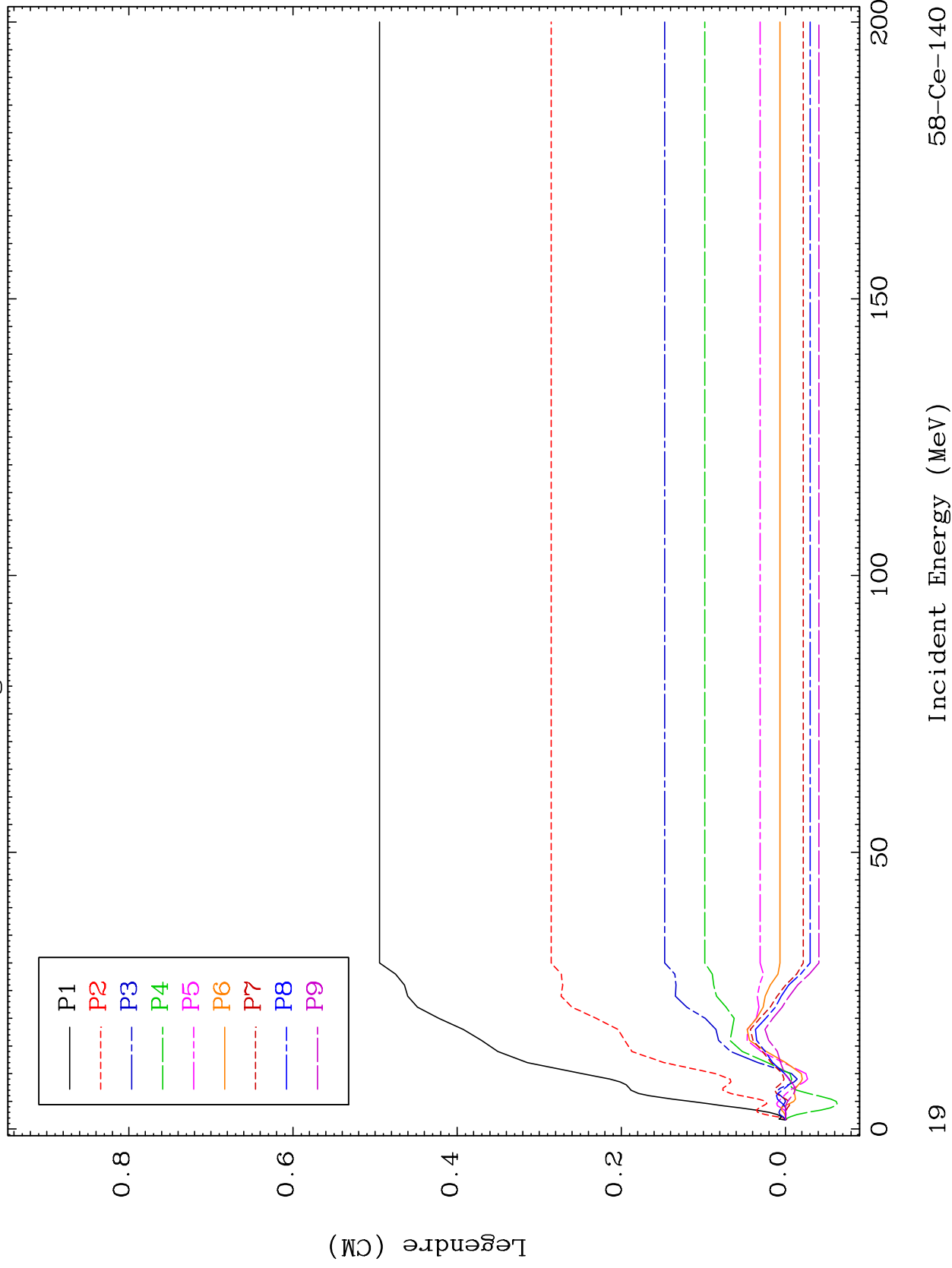
58-Ce-140



MAT 5837

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

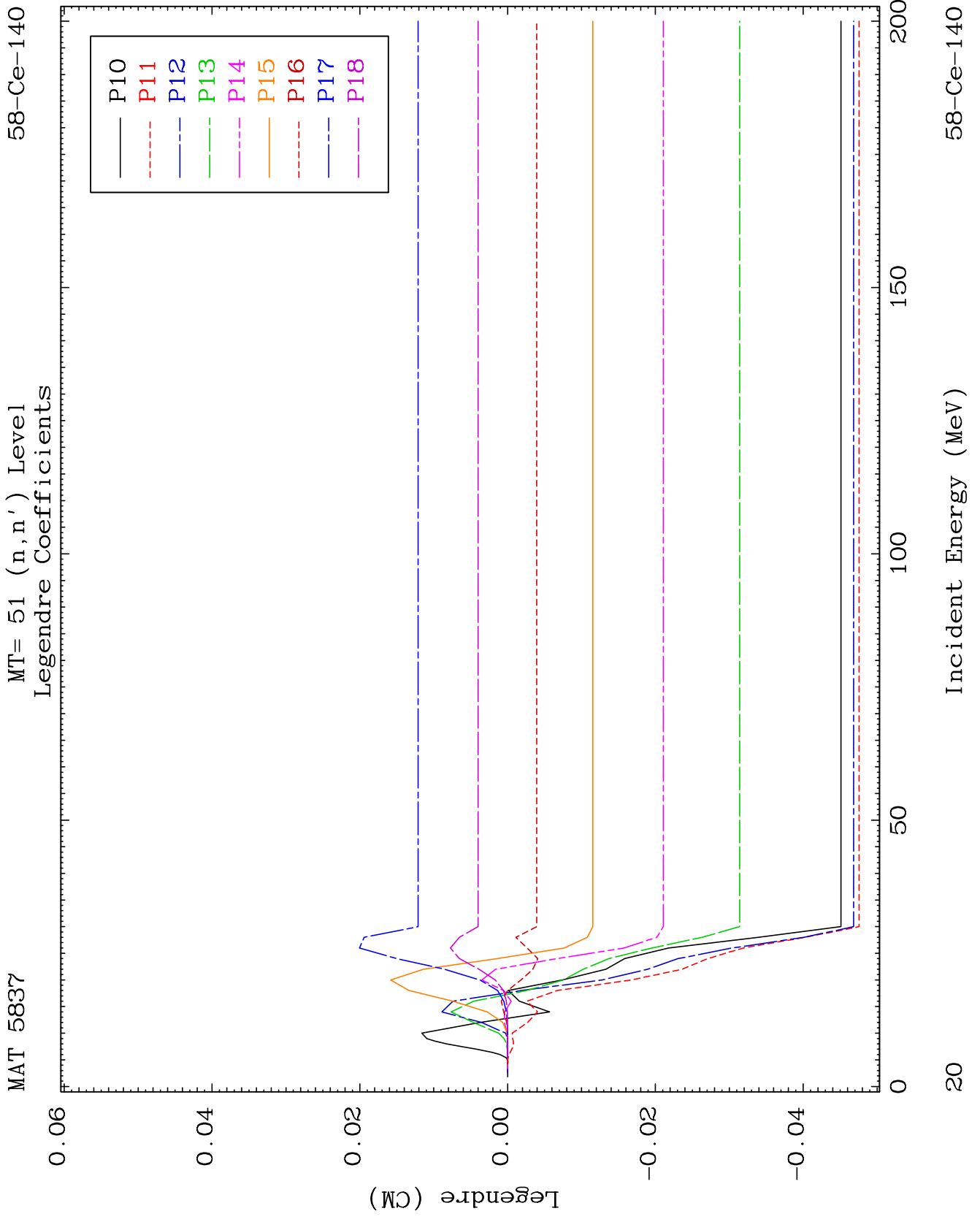
58-Ce-140



58-Ce-140

Incident Energy (MeV)

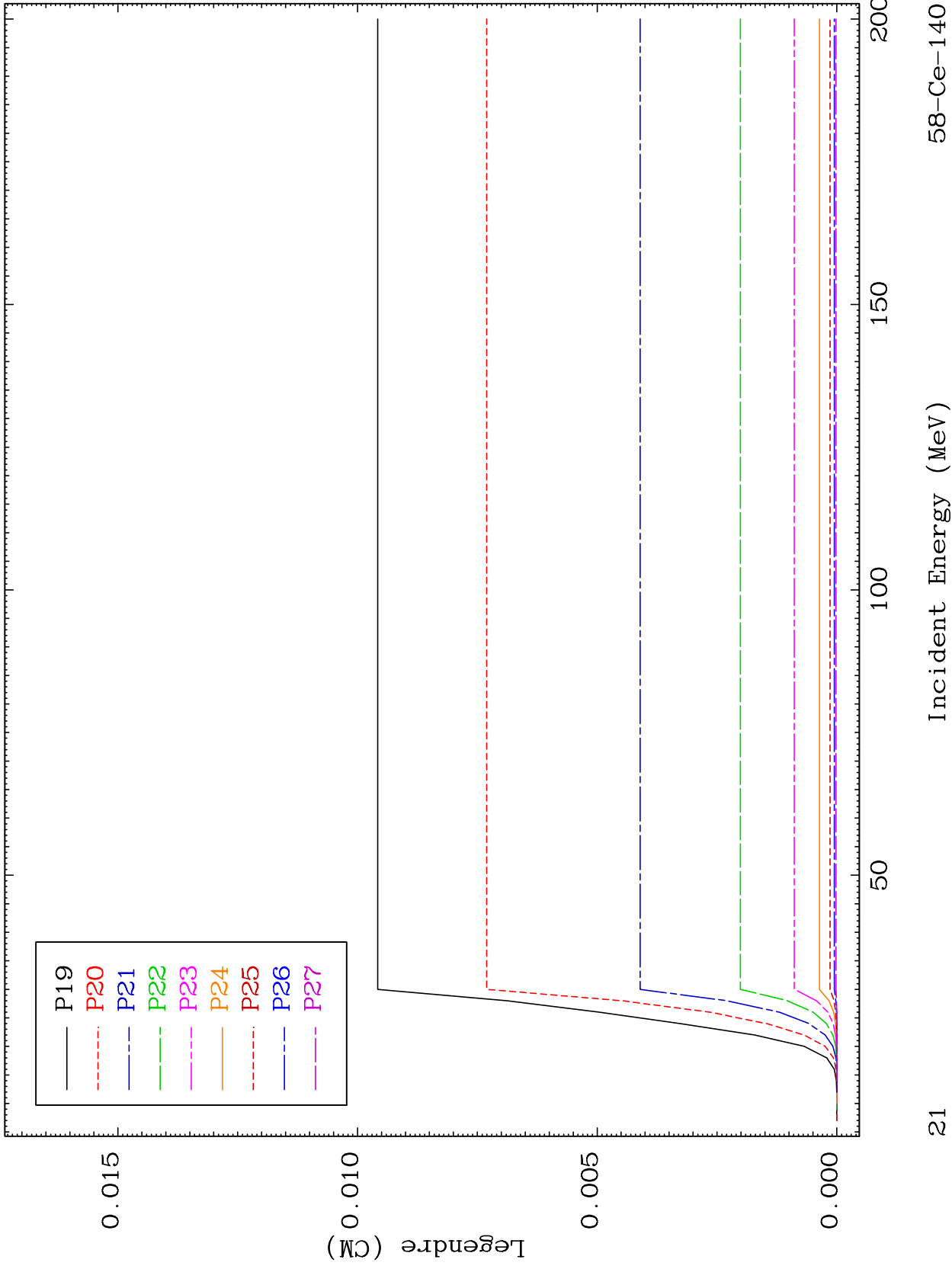
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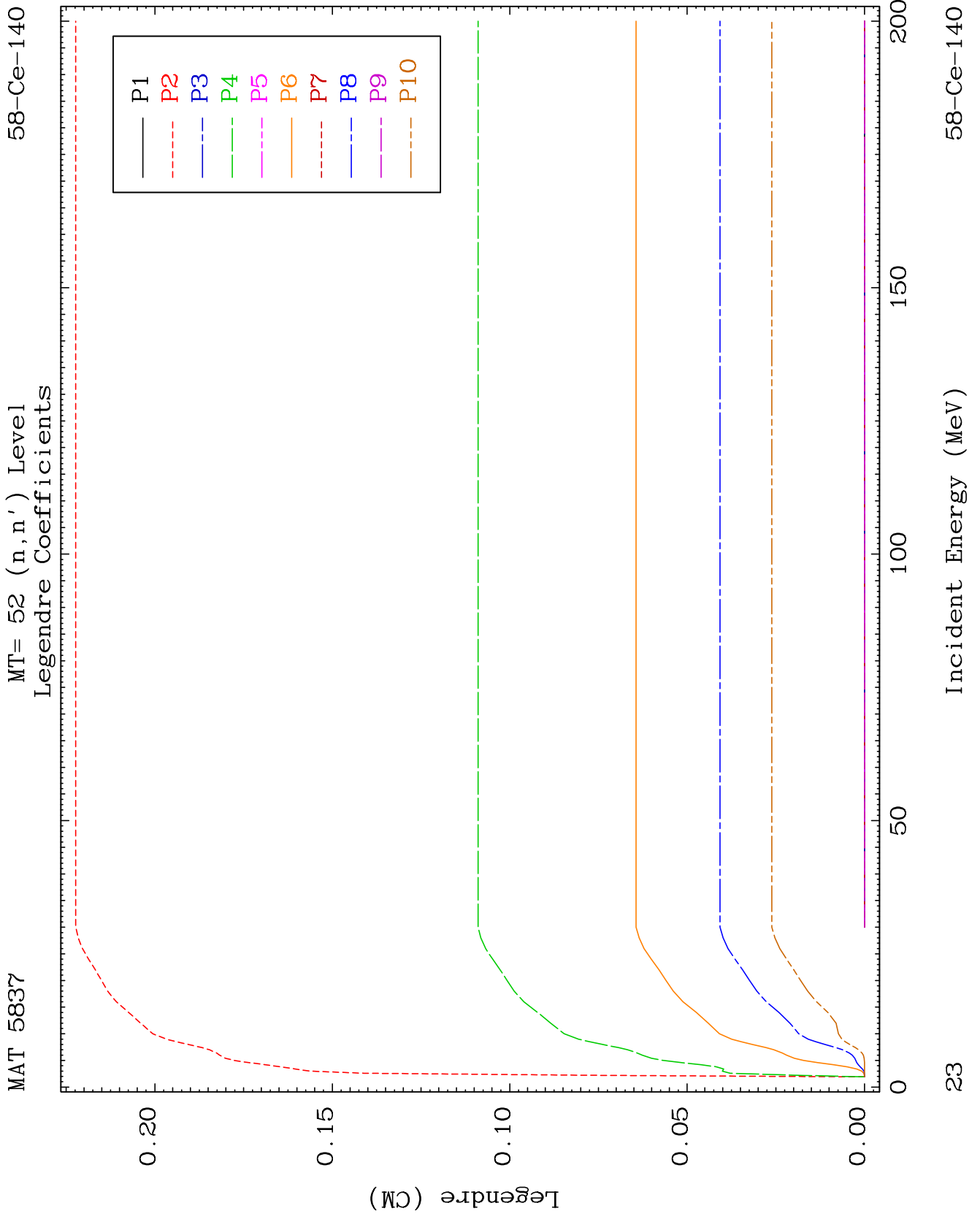
MAT 5837

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

58-Ce-140







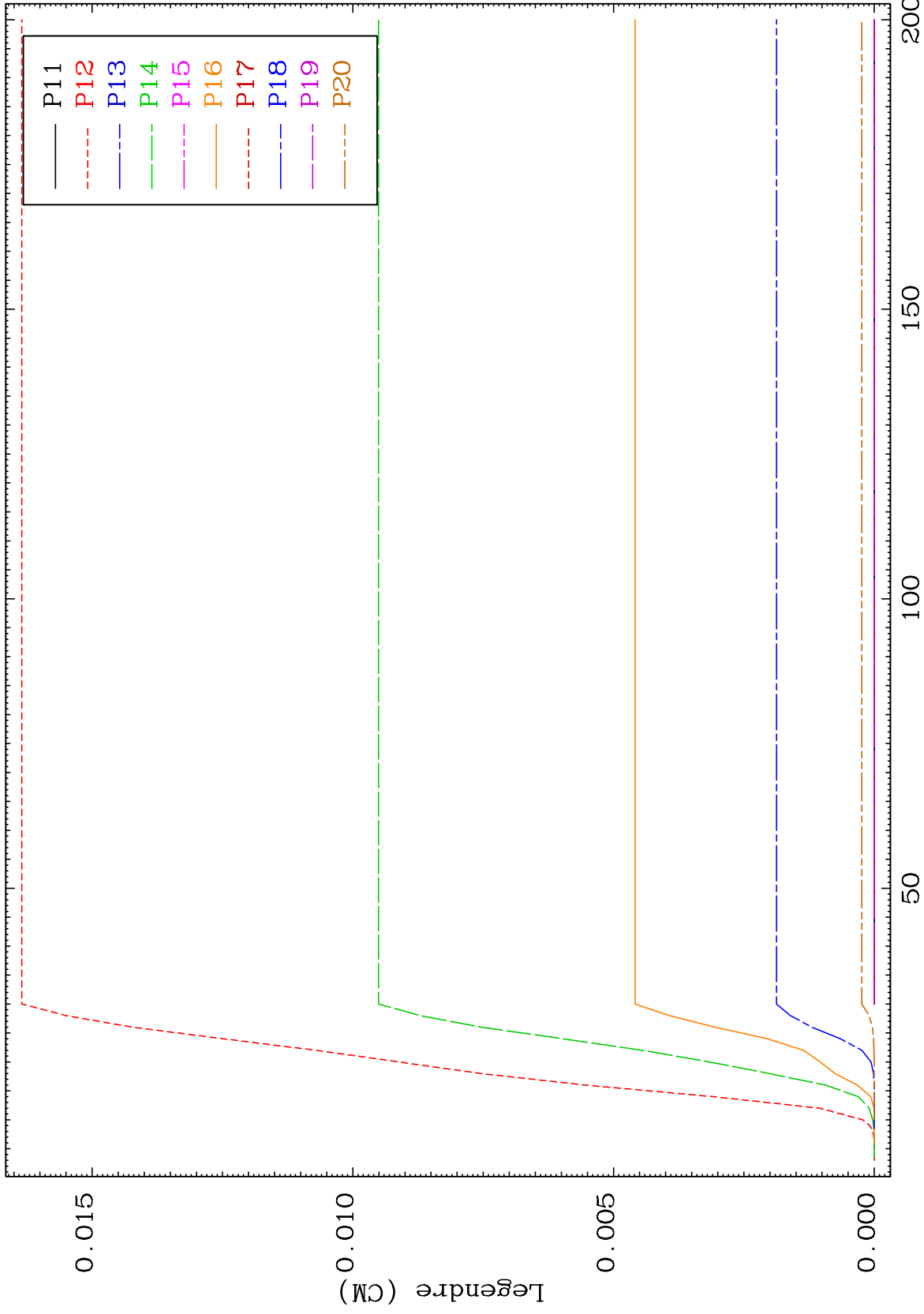


MAT 5837

MT= 52 (n,n') Level

58-Ce-140

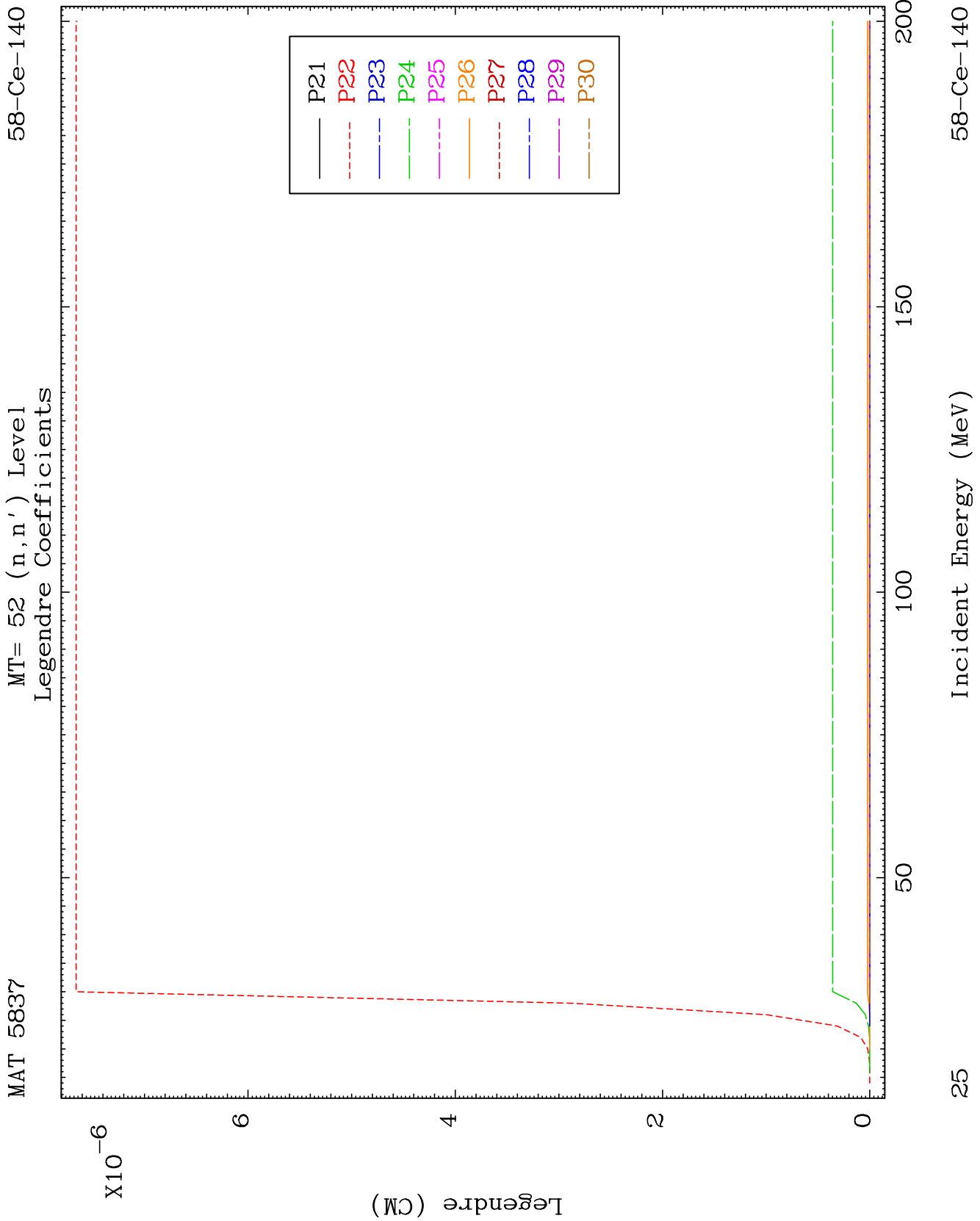
Legendre Coefficients



24

Incident Energy (MeV)

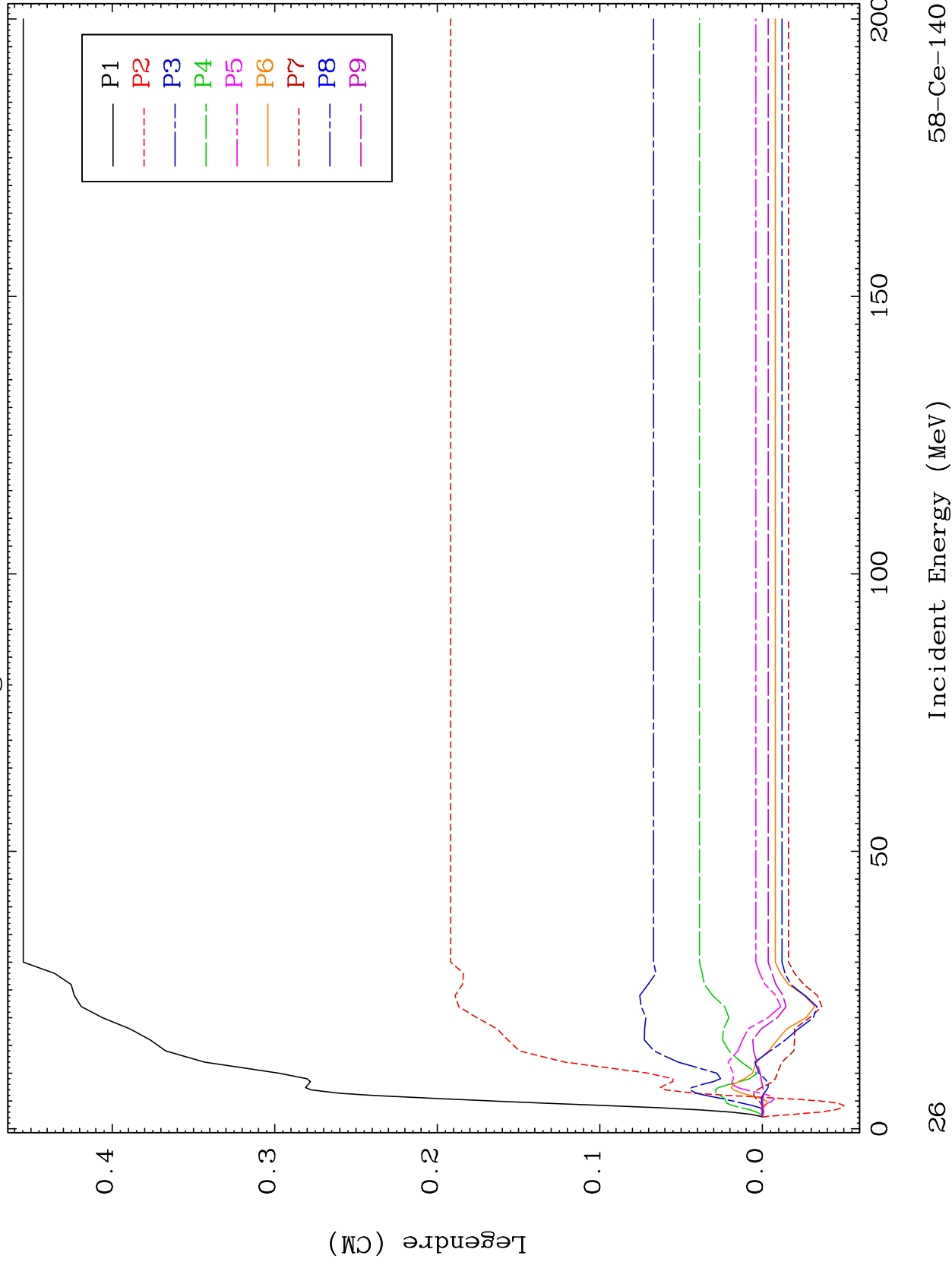
58-Ce-140



MAT 5837

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

58-Ce-140



58-Ce-140

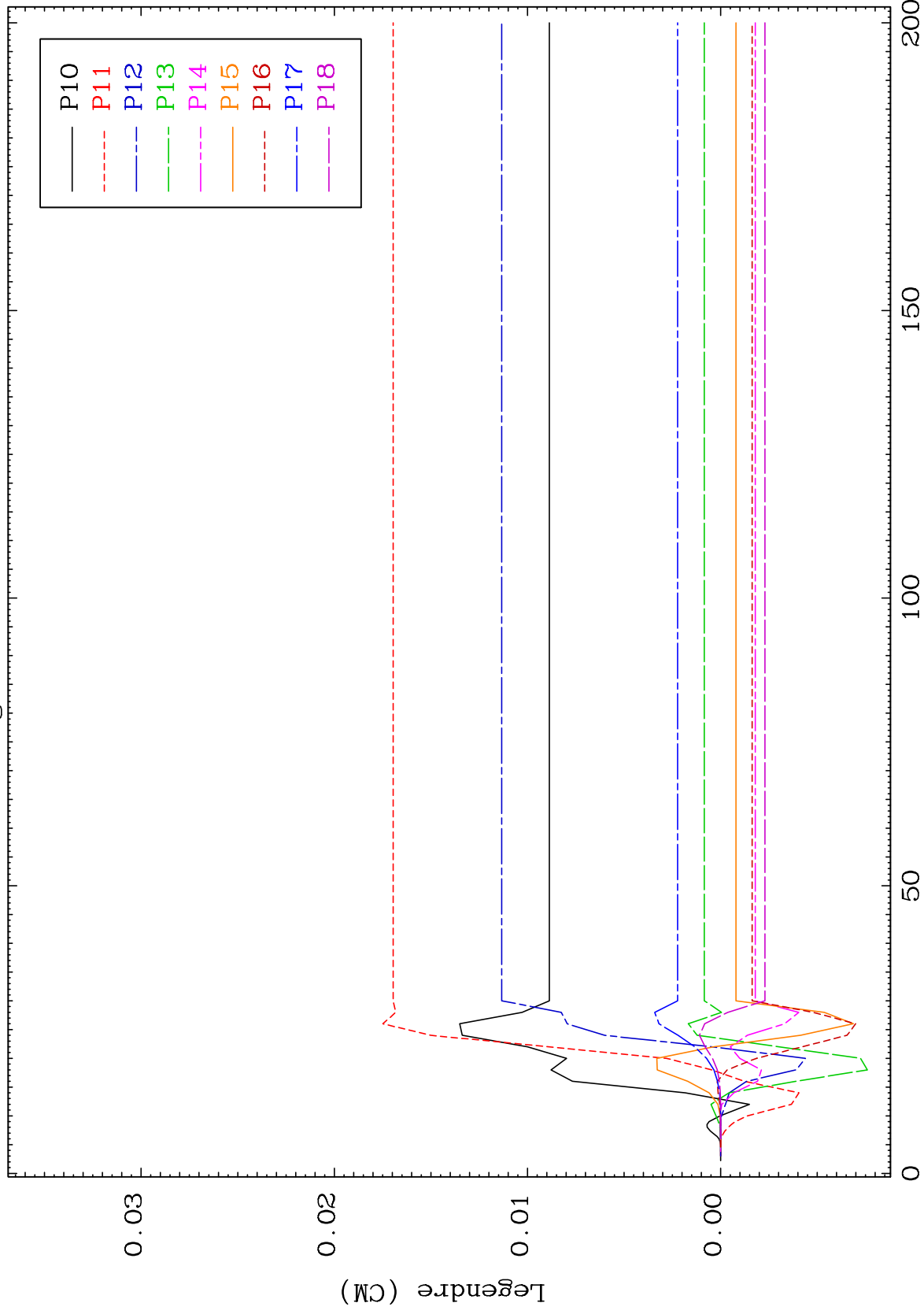
Incident Energy (MeV)

26

MAT 5837

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

58-Ce-140



27

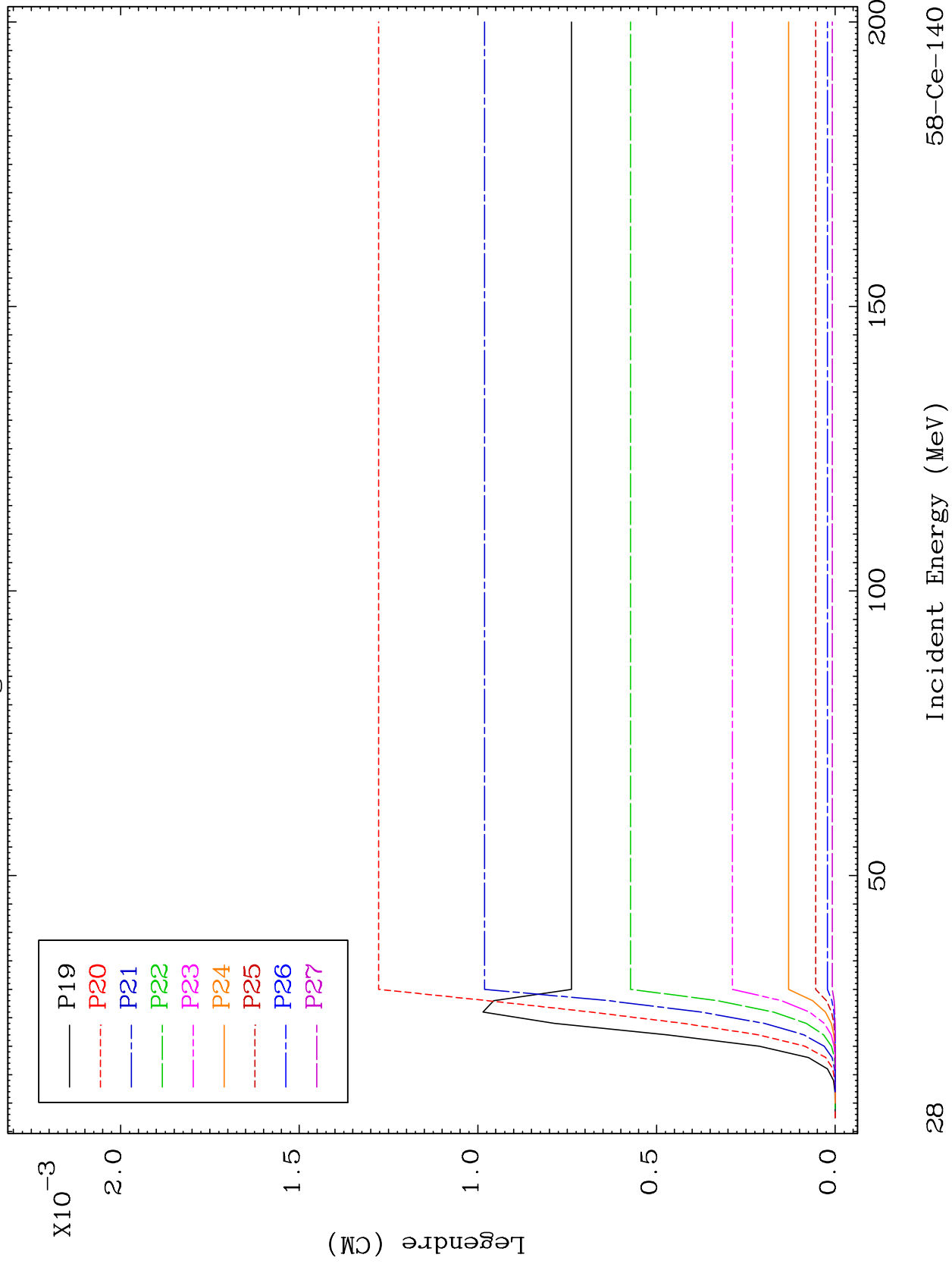
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140

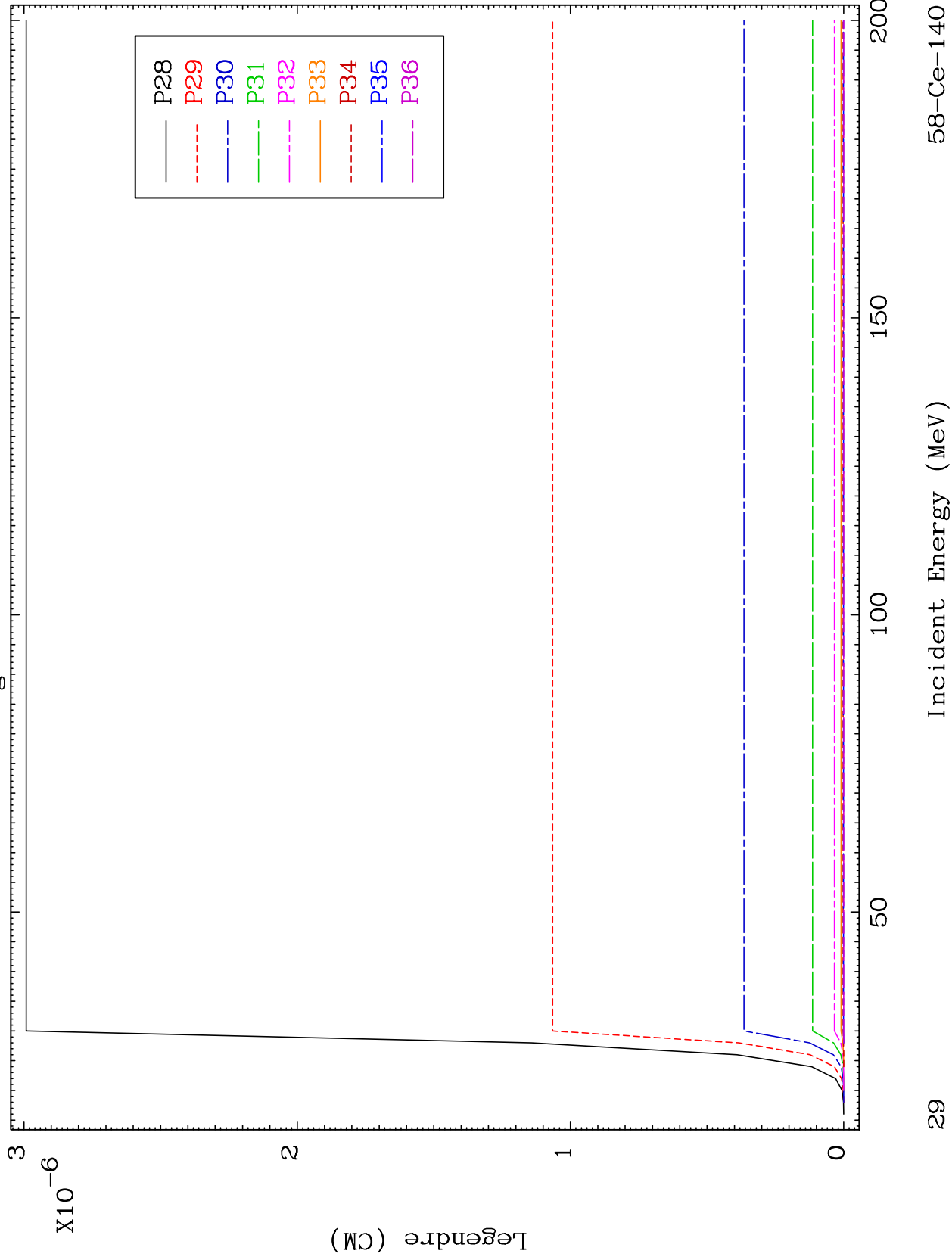


28

MAT 5837

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

58-Ce-140



29

Incident Energy (MeV)

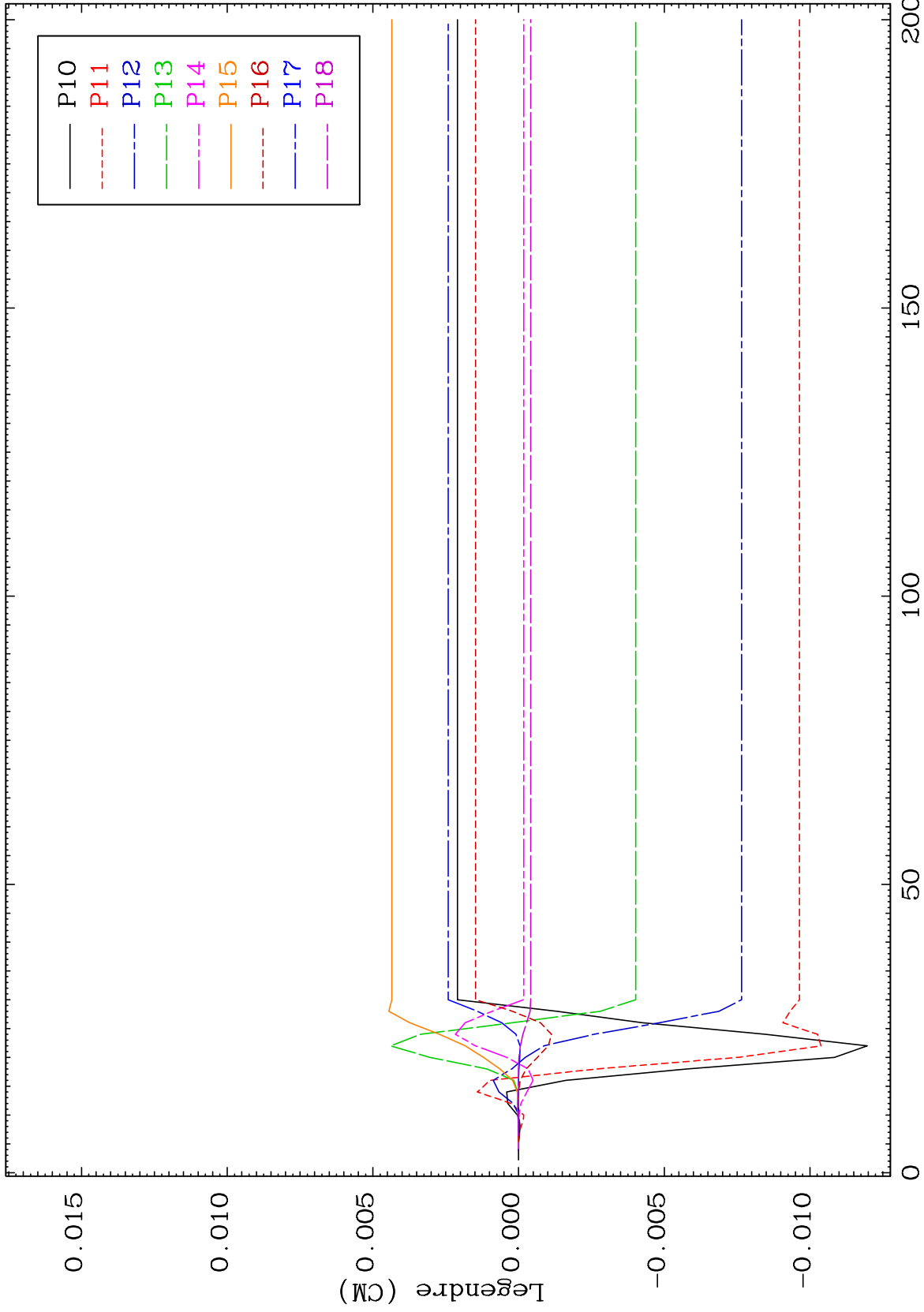
58-Ce-140



MAT 5837

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

58-Ce-140



31

Incident Energy (MeV)

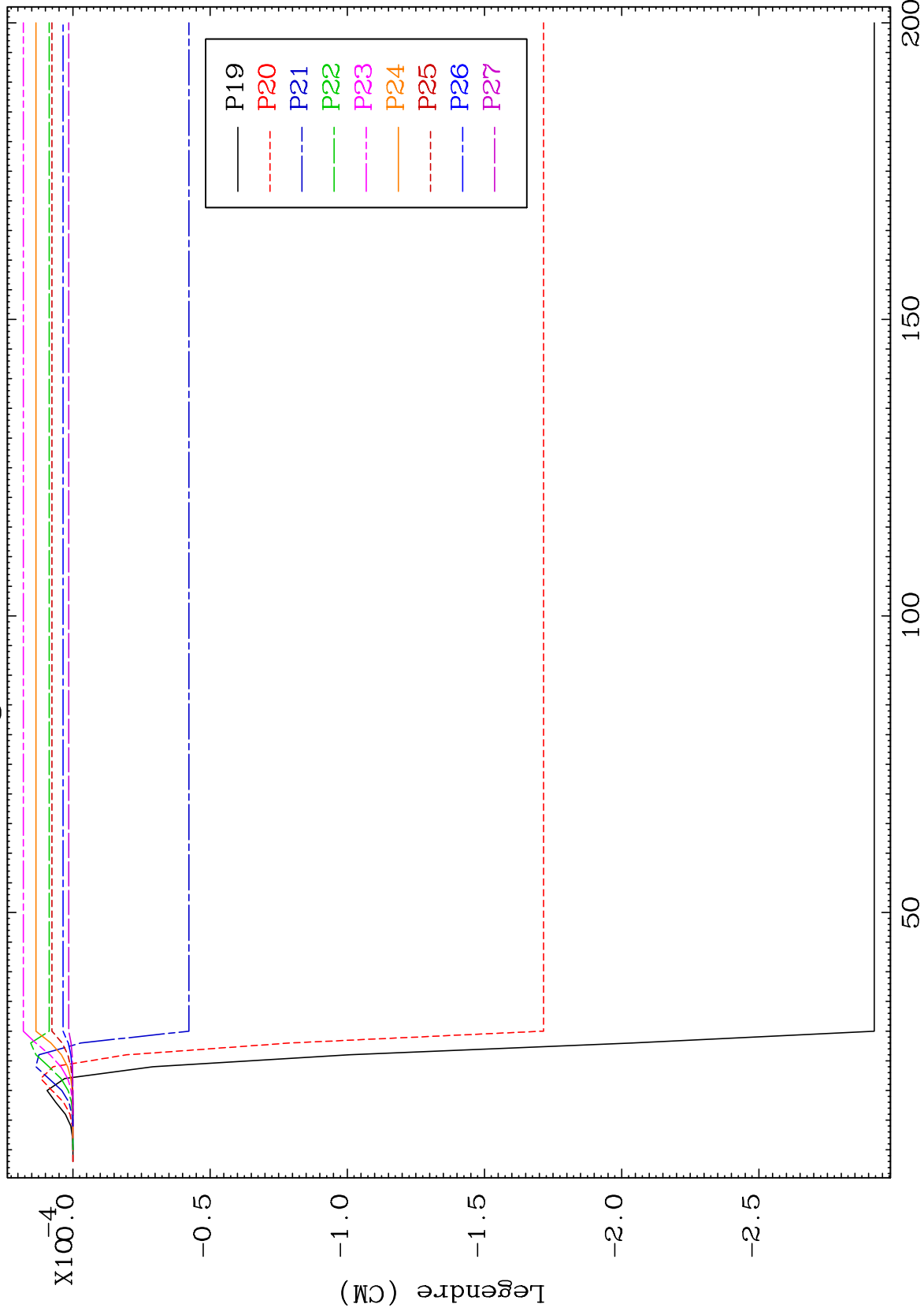
58-Ce-140



MAT 5837

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

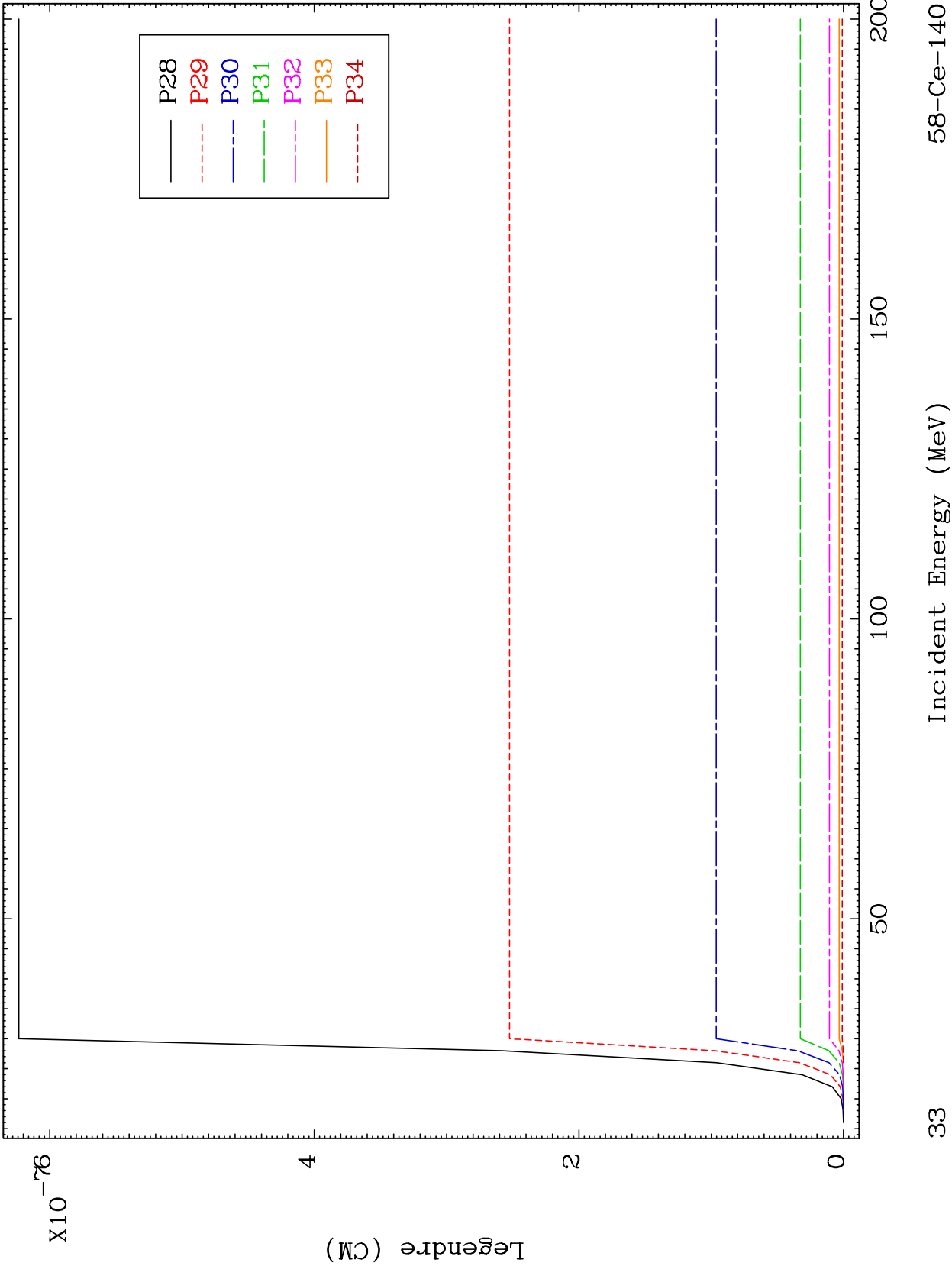
58-Ce-140



MAT 5837

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

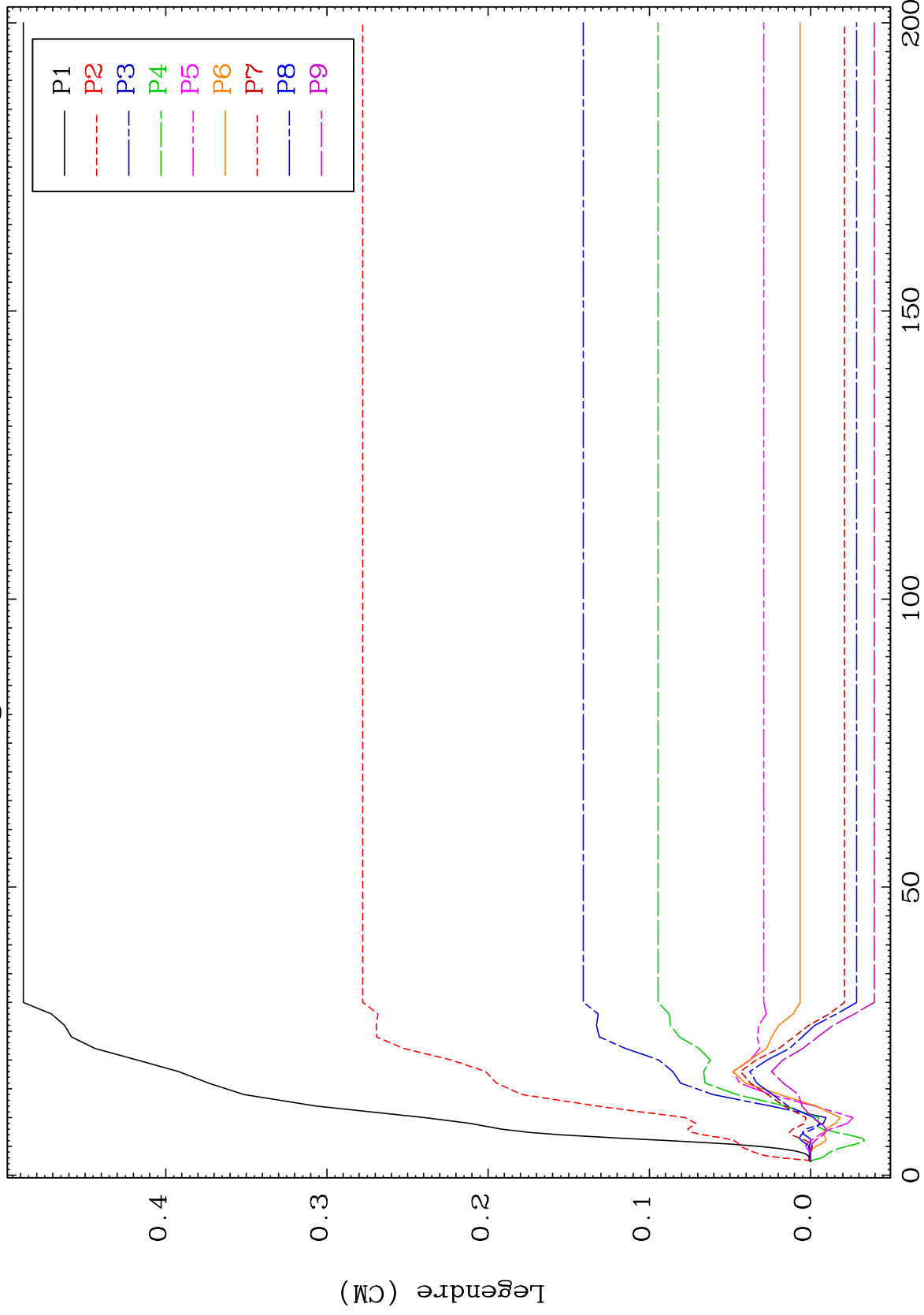
58-Ce-140



MAT 5837

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

58-Ce-140



34

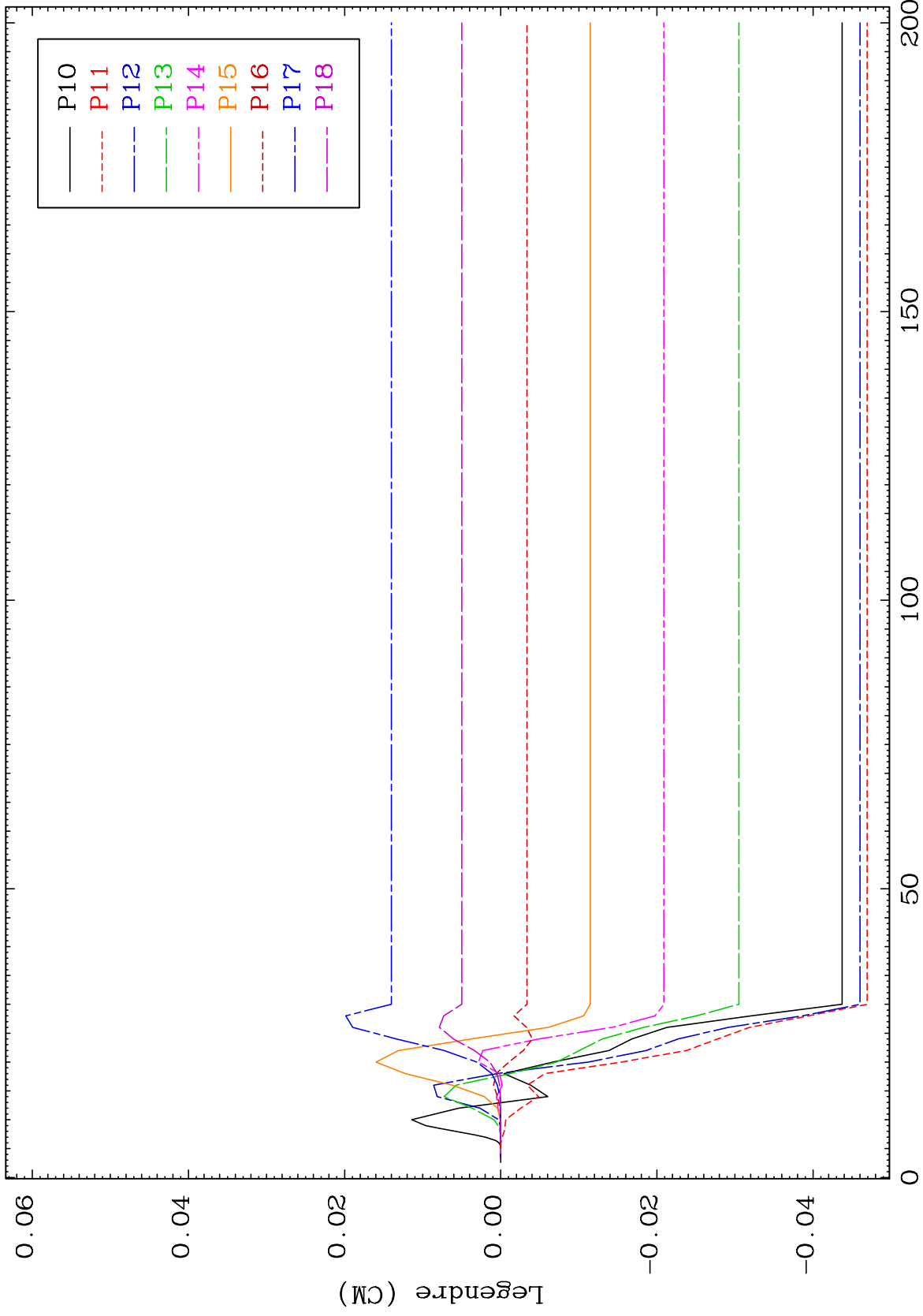
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



35

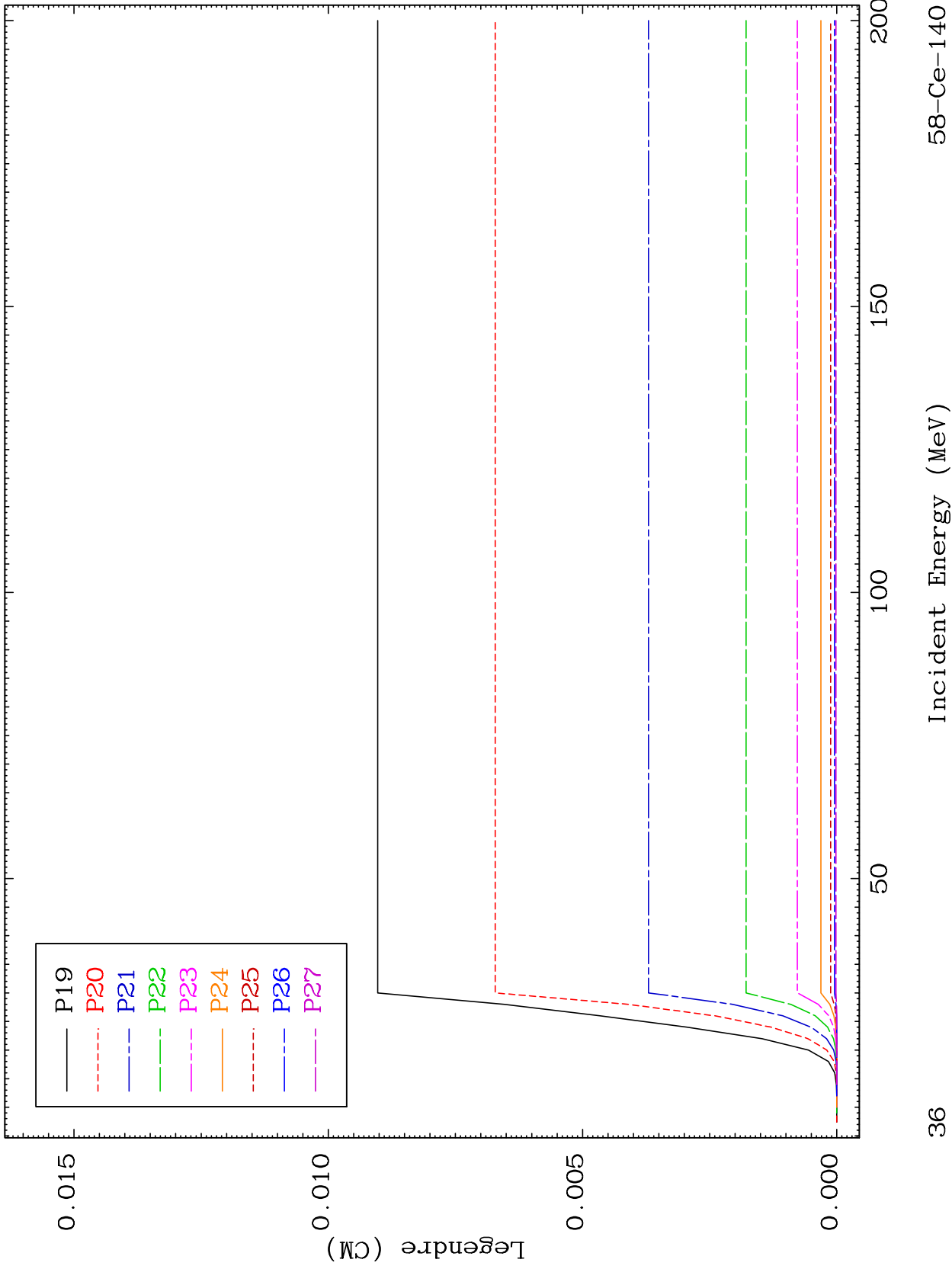
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



36

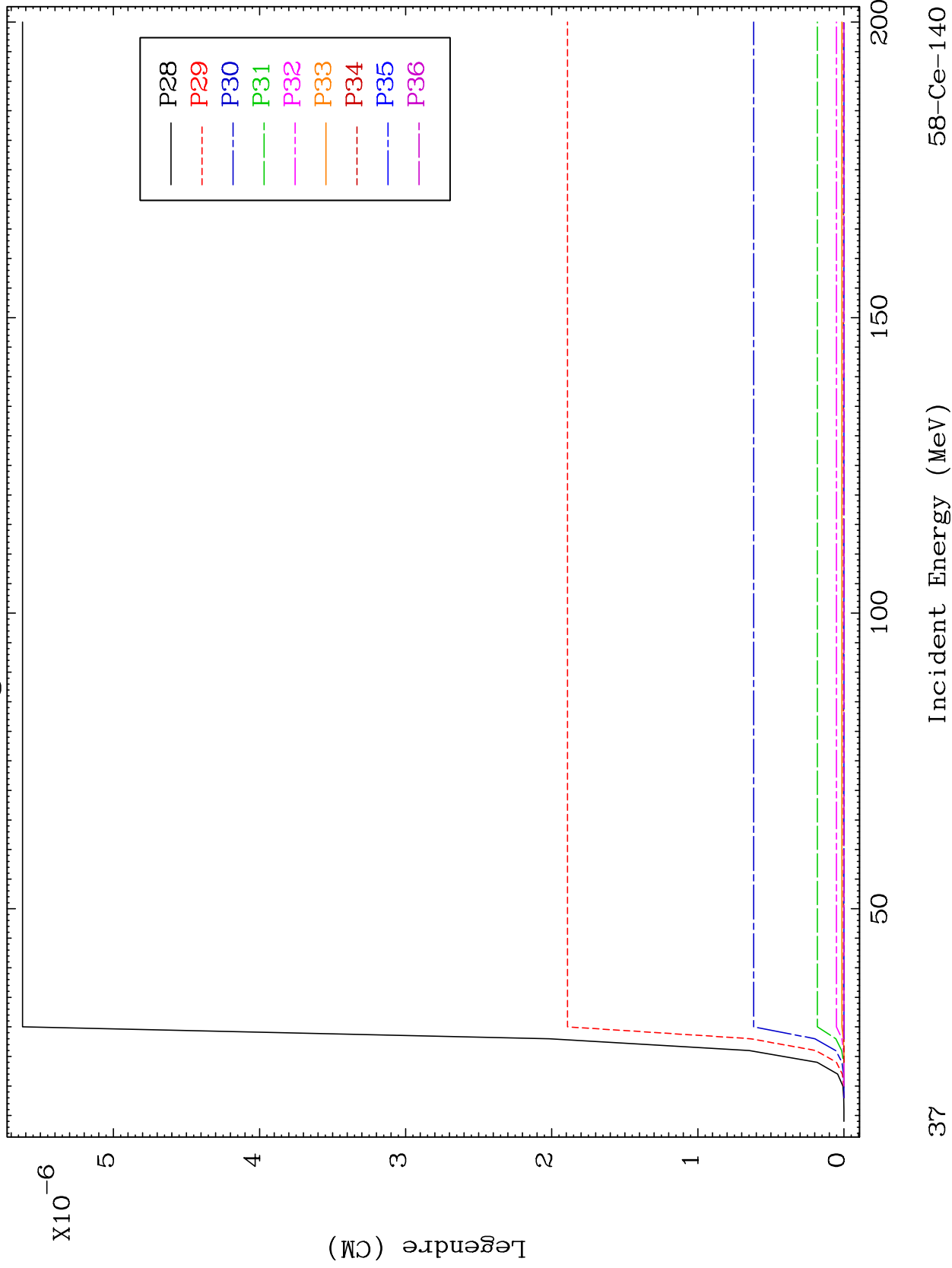
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

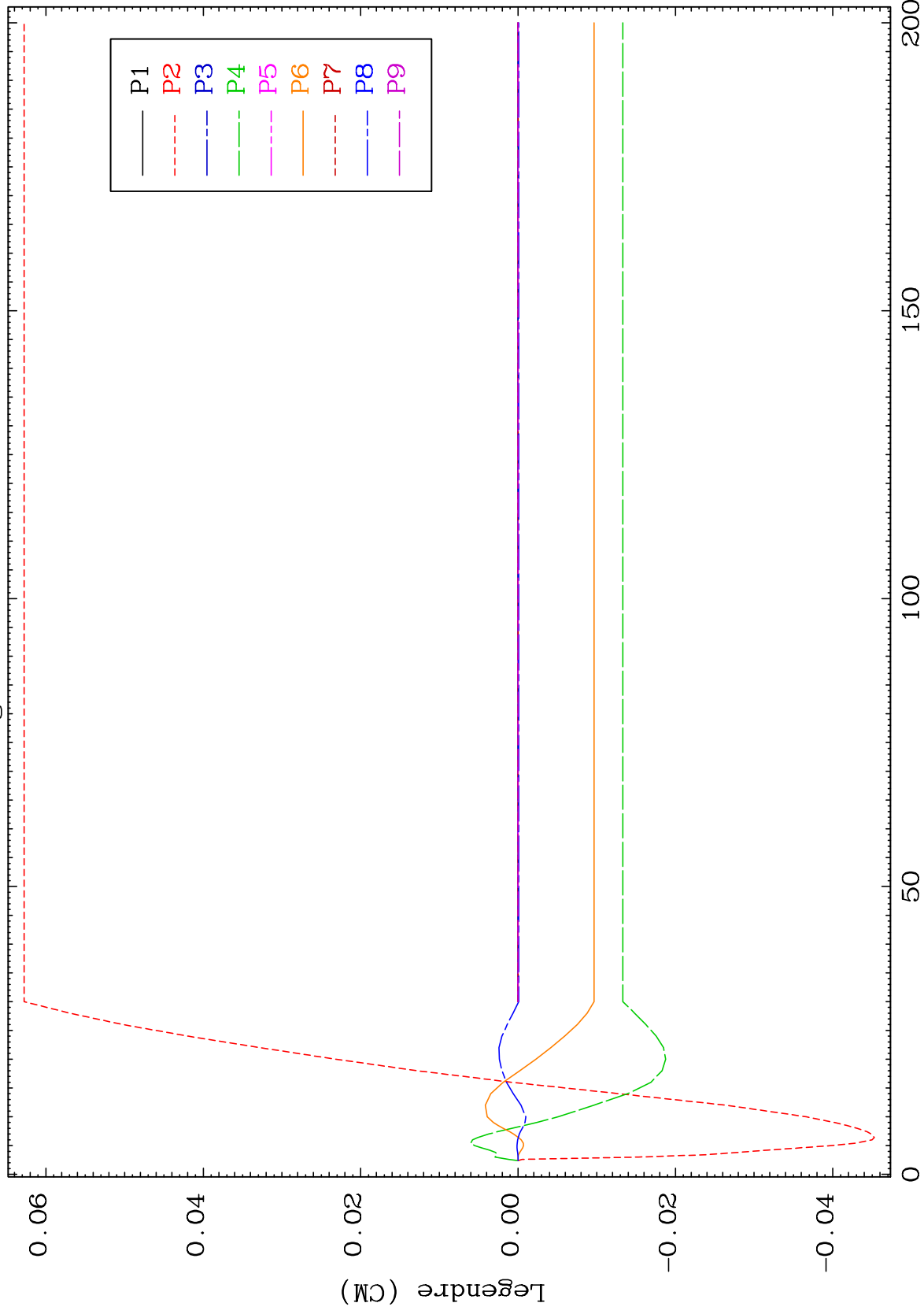
58-Ce-140



MAT 5837

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

58-Ce-140



38

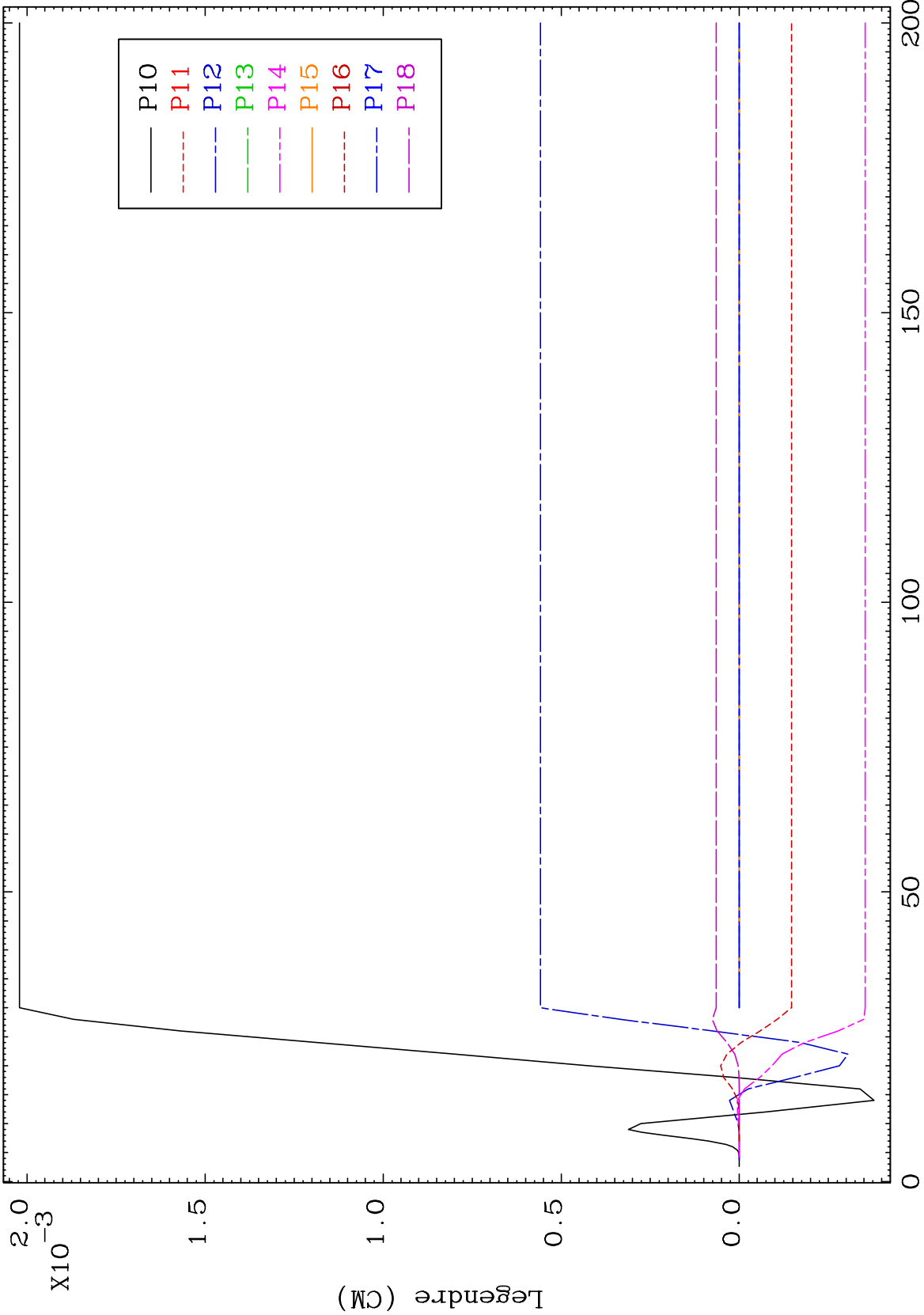
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140

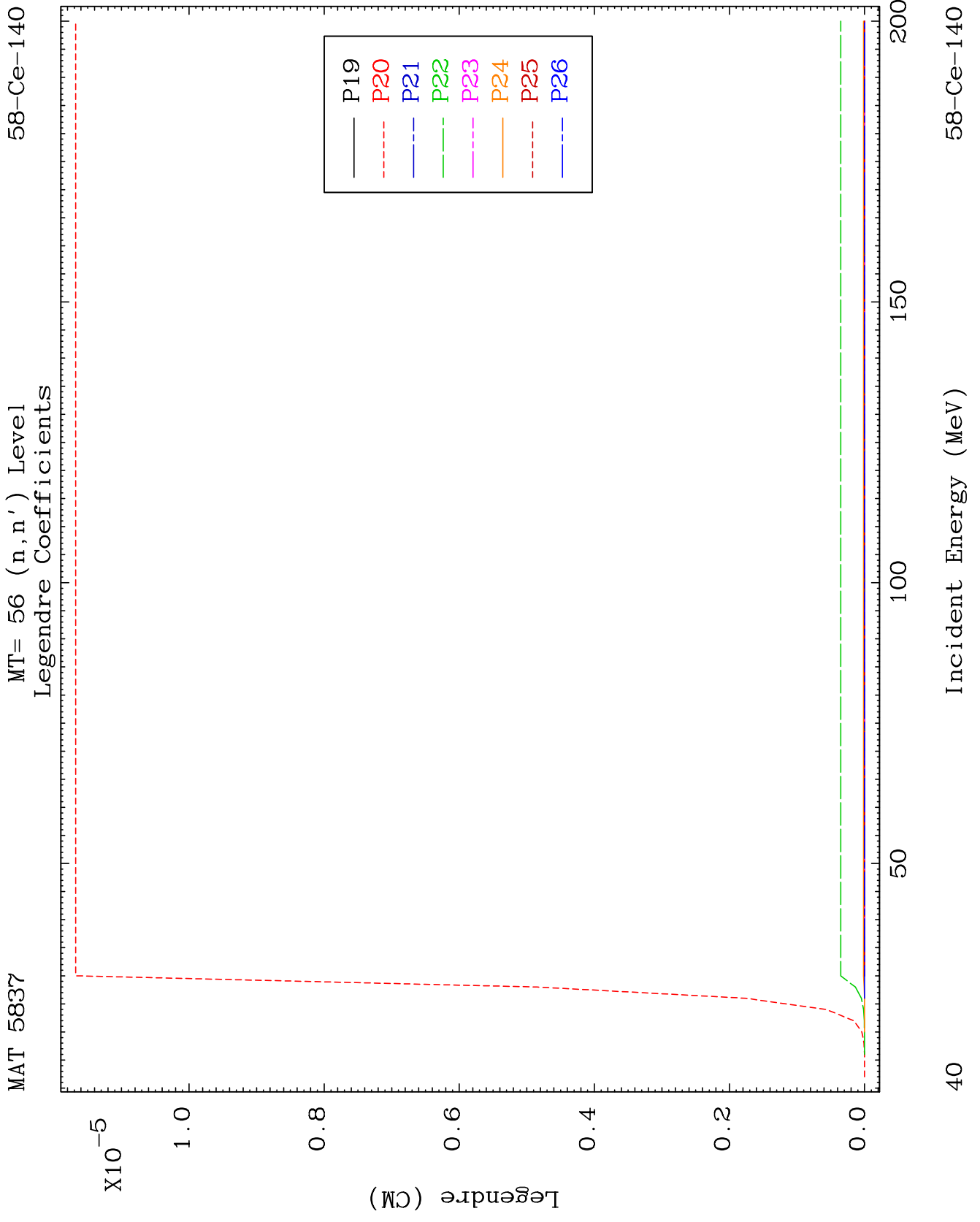


39

Incident Energy (MeV)

58-Ce-140

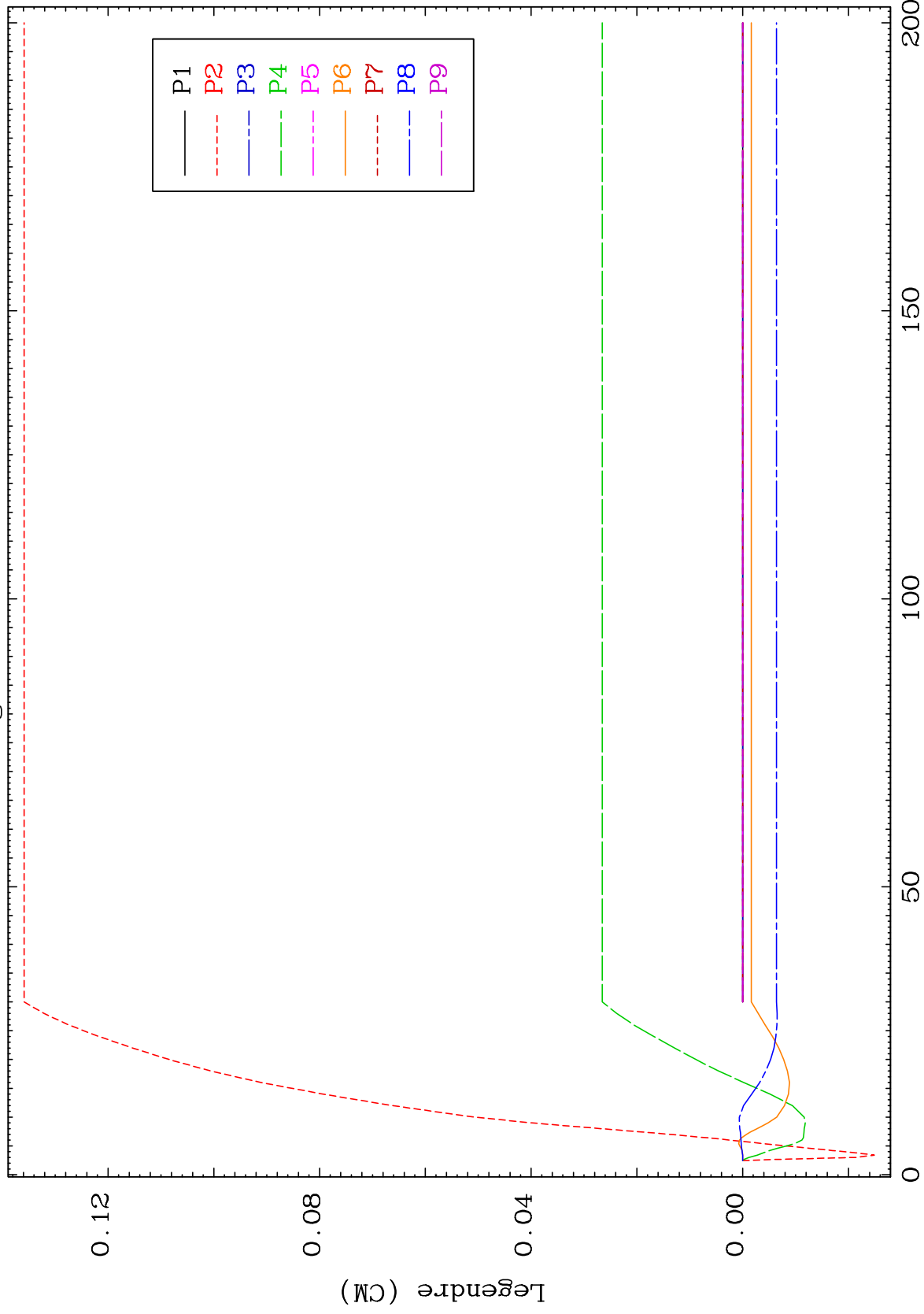




MAT 5837

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

58-Ce-140



41

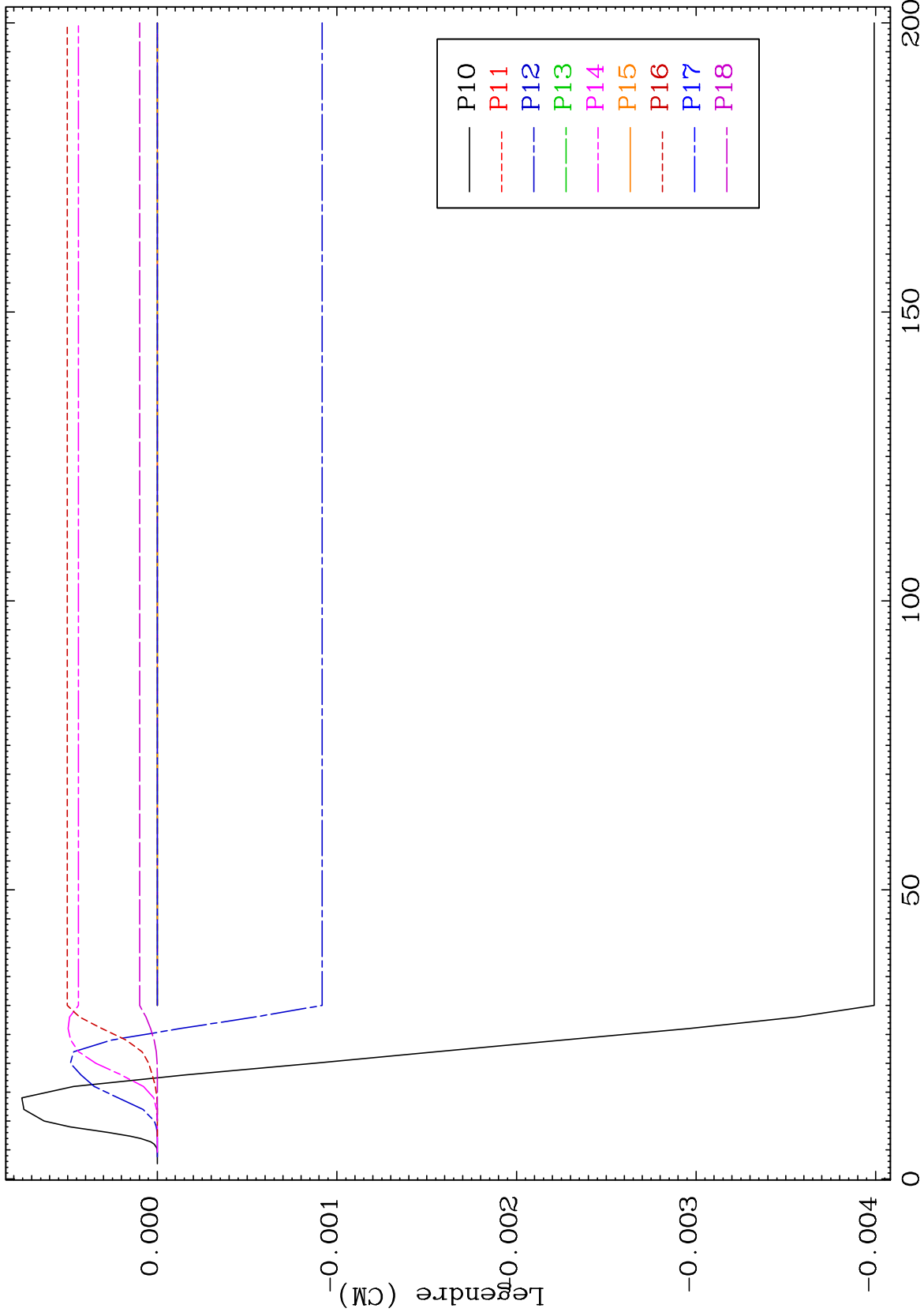
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



42

Incident Energy (MeV)

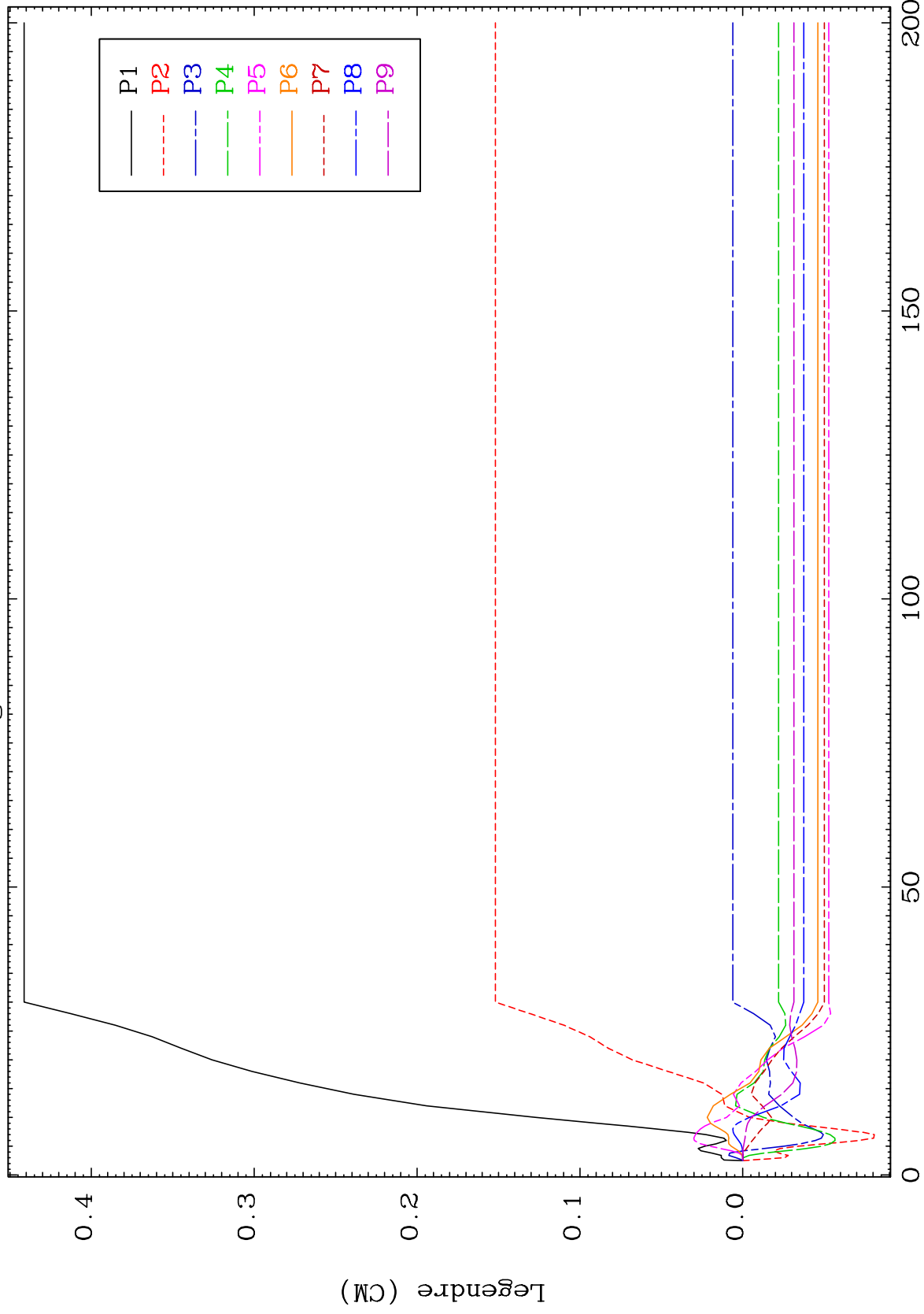
58-Ce-140



MAT 5837

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

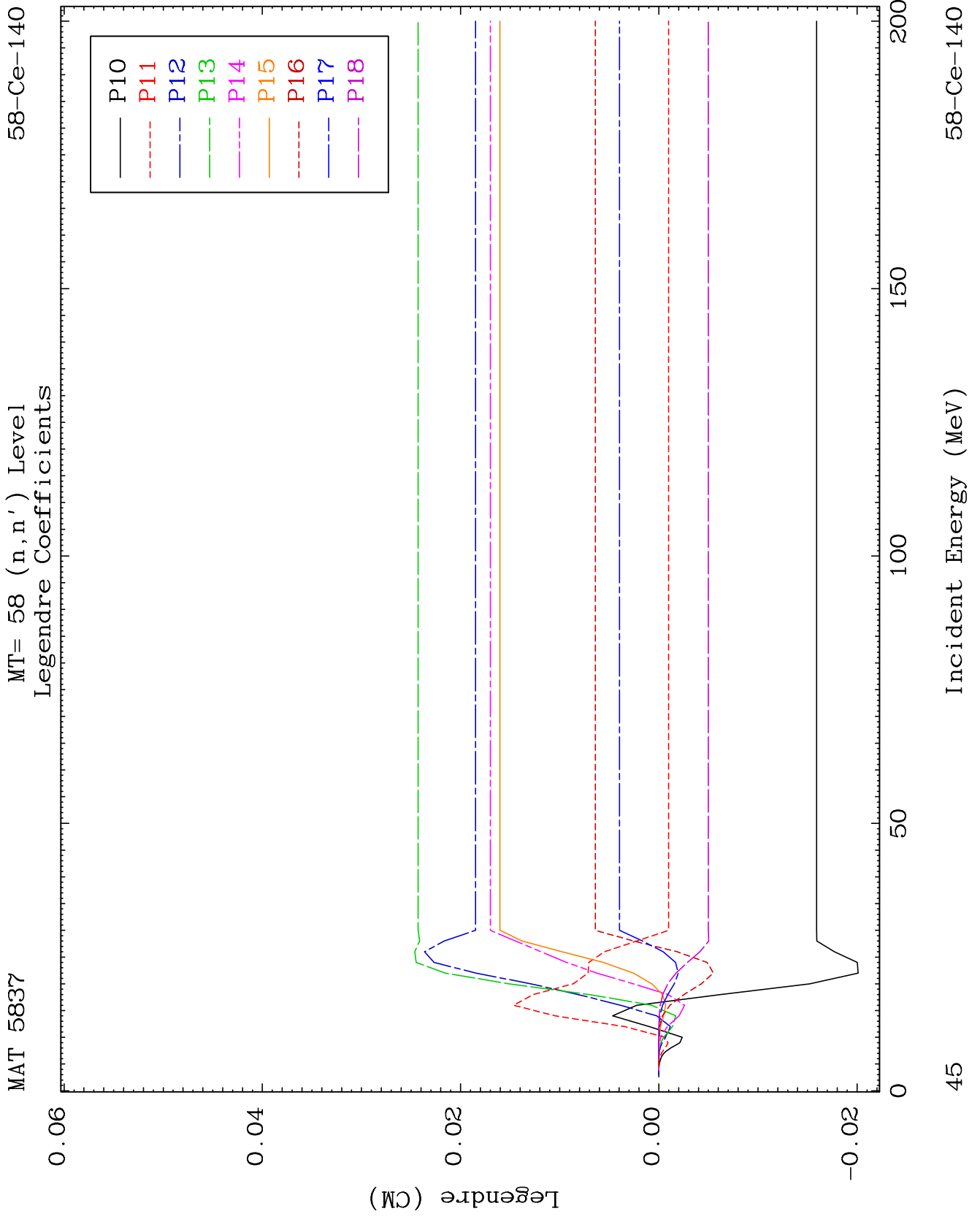
58-Ce-140



44

Incident Energy (MeV)

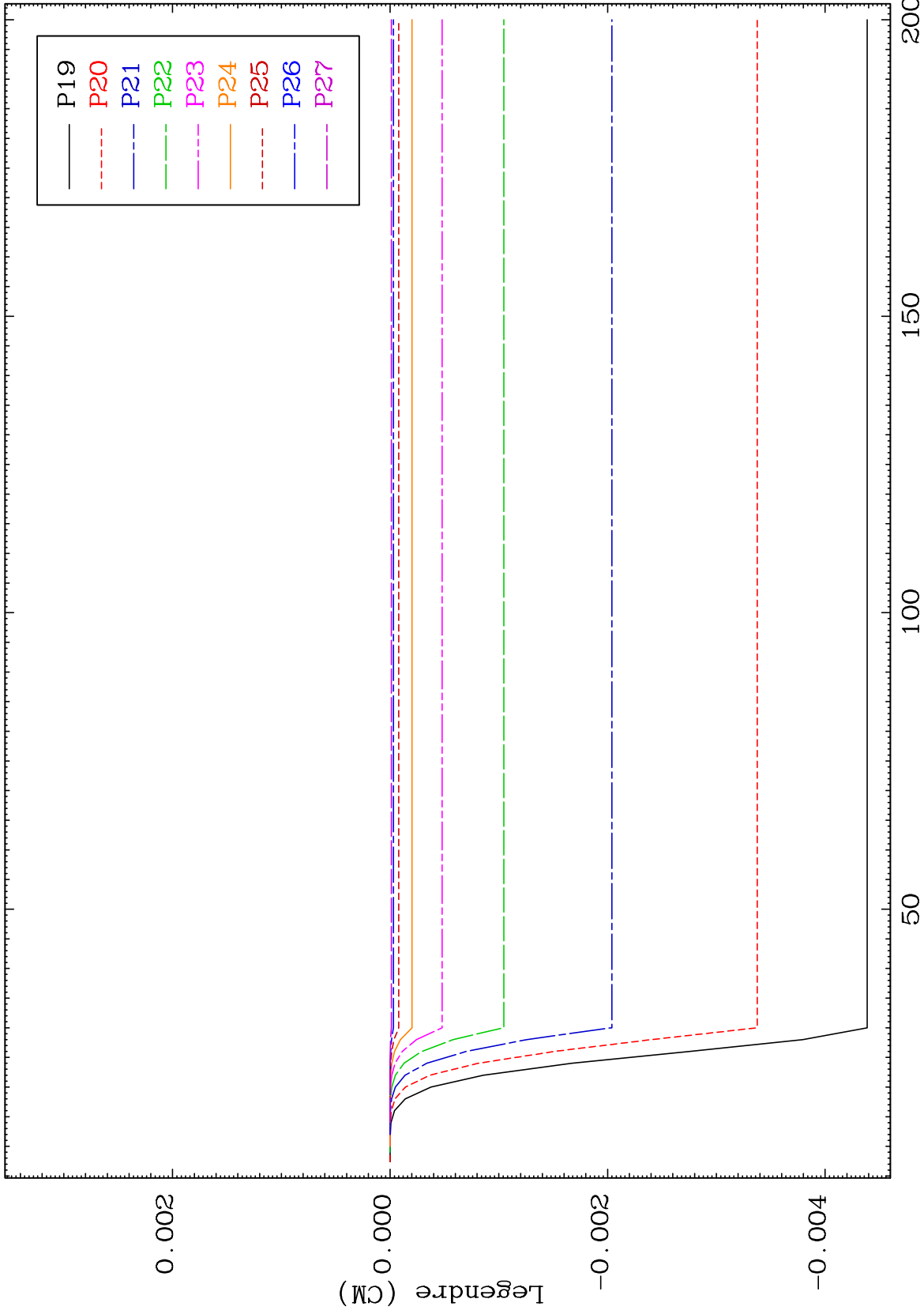
58-Ce-140



MAT 5837

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

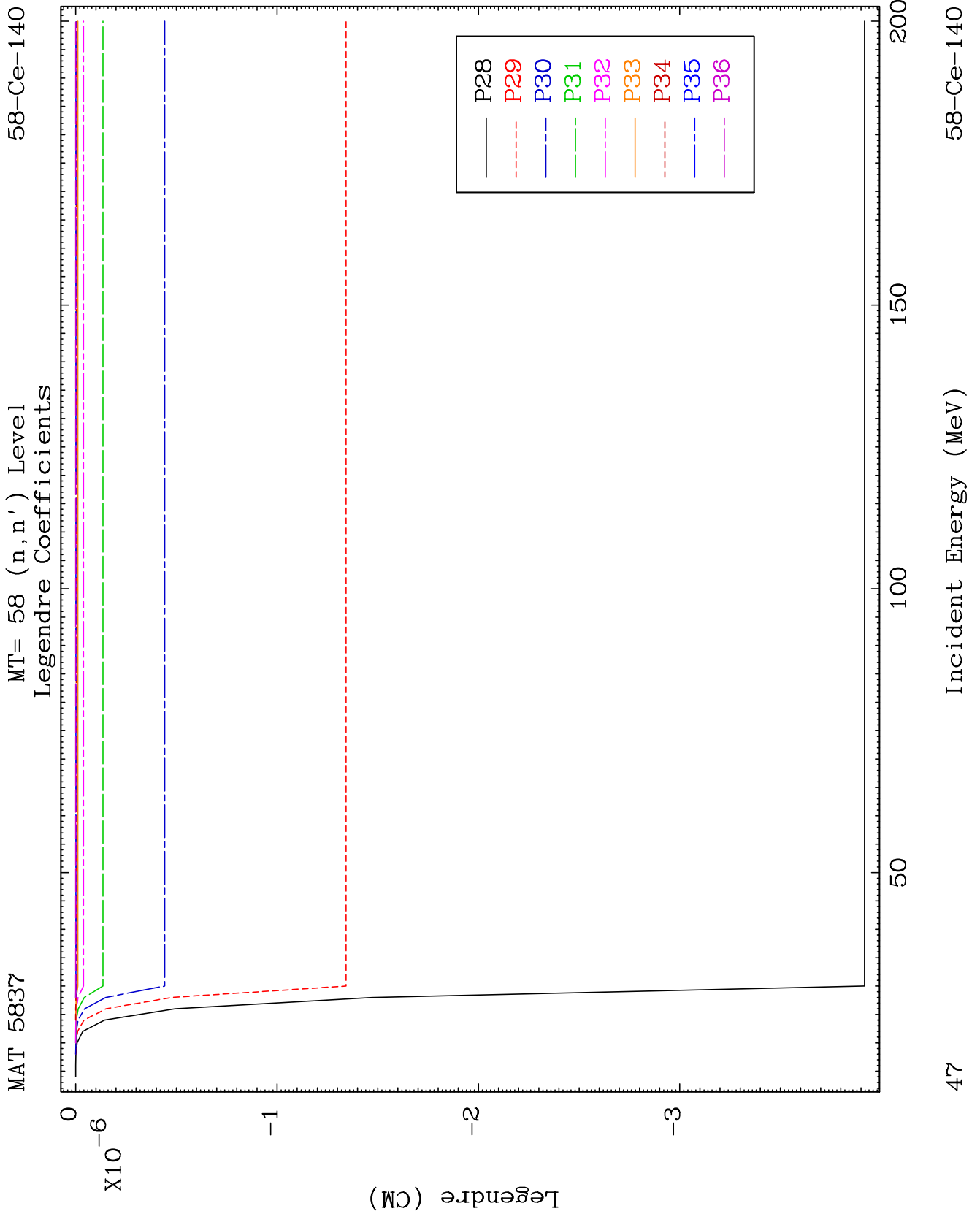
58-Ce-140



46

Incident Energy (MeV)

58-Ce-140

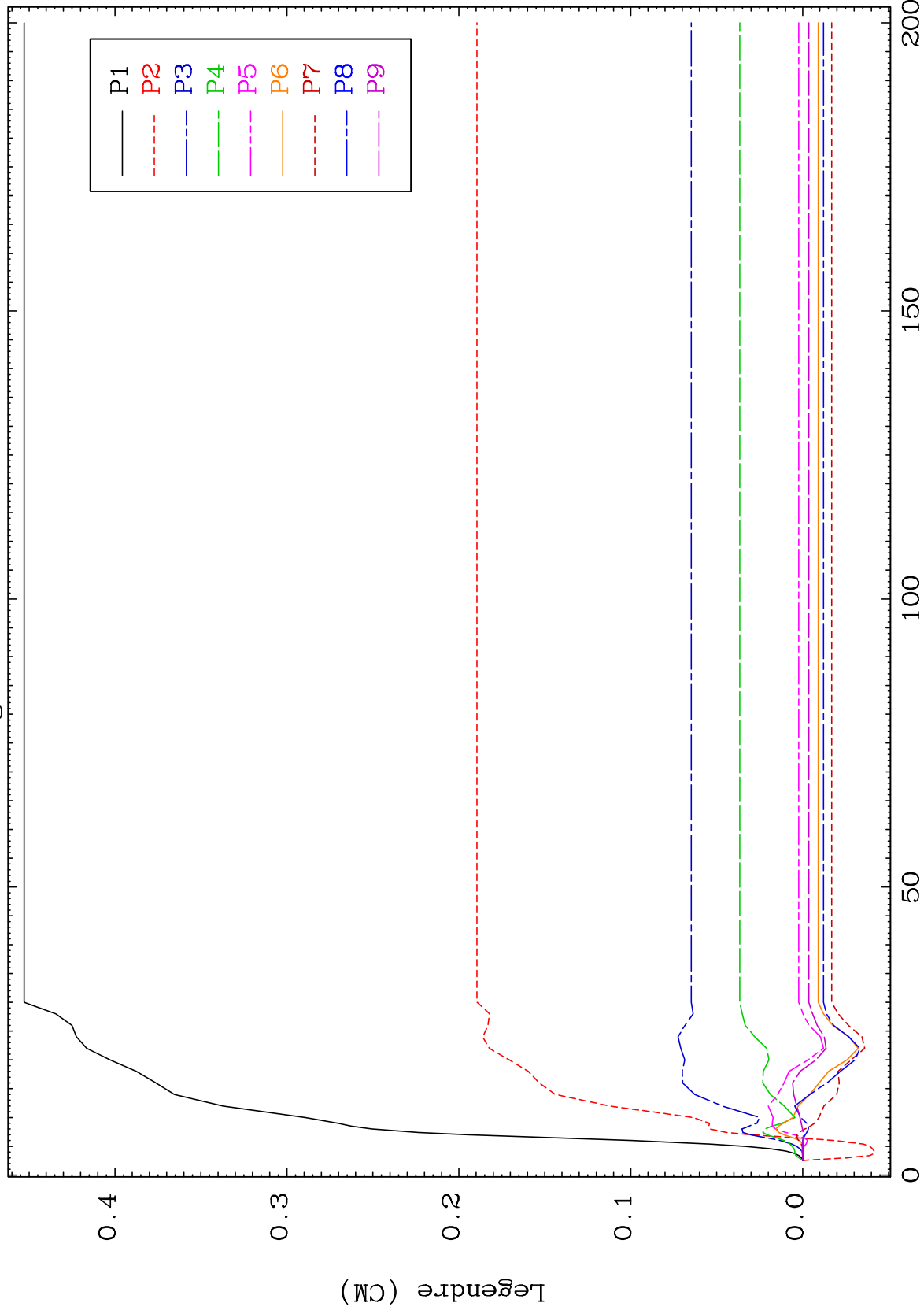




MAT 5837

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

58-Ce-140



58-Ce-140

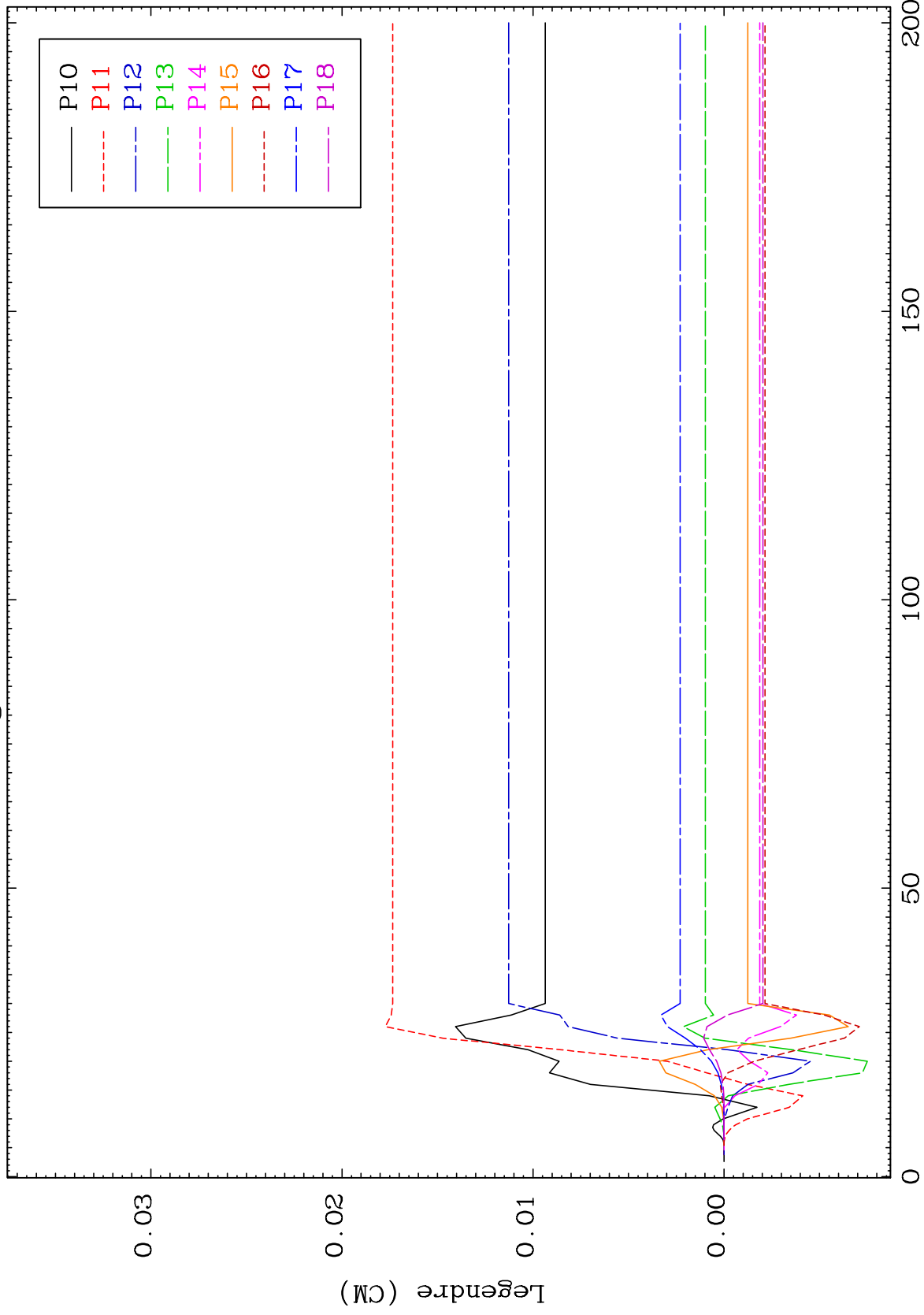
Incident Energy (MeV)

48

MAT 5837

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

58-Ce-140



49

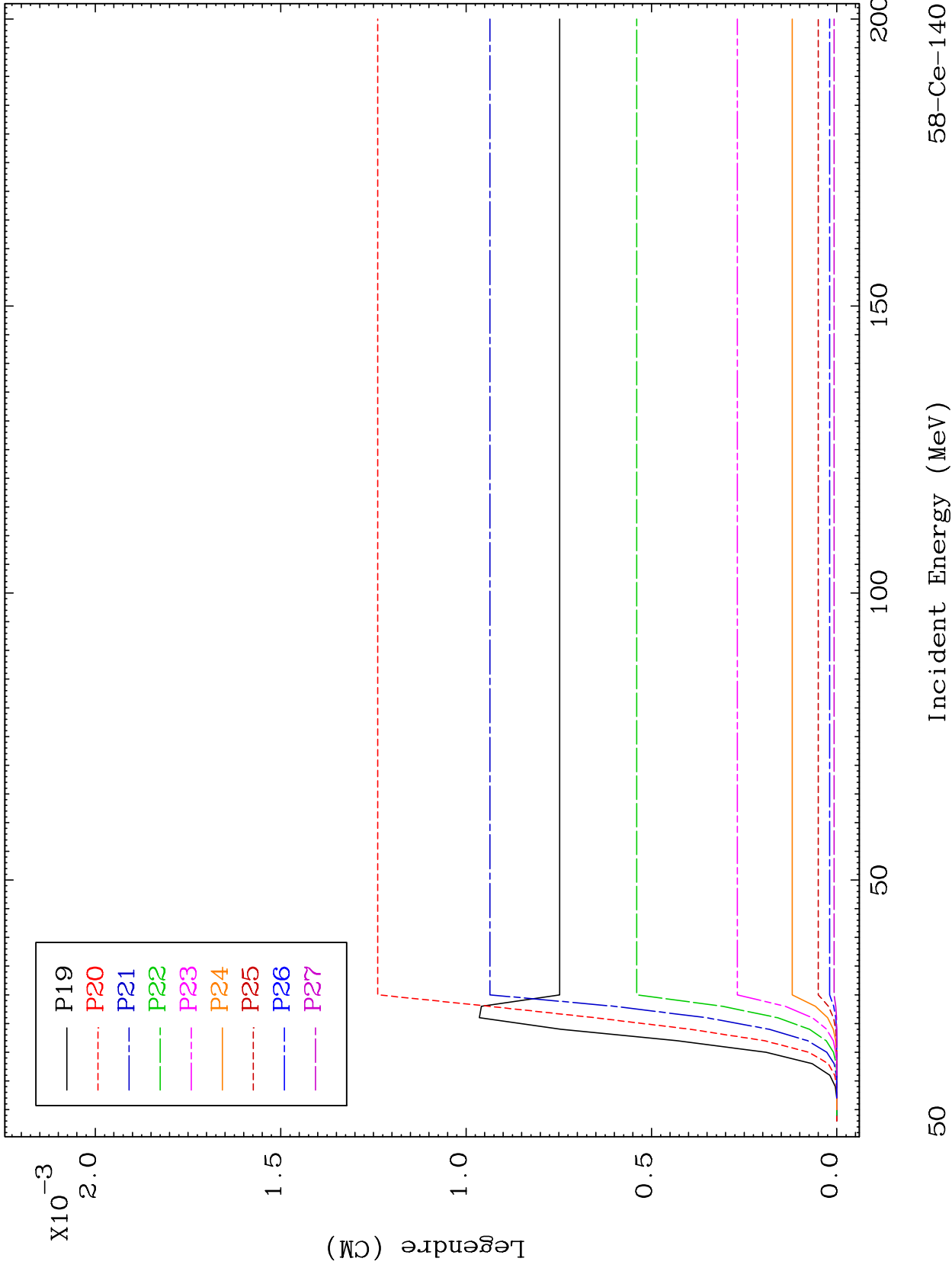
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

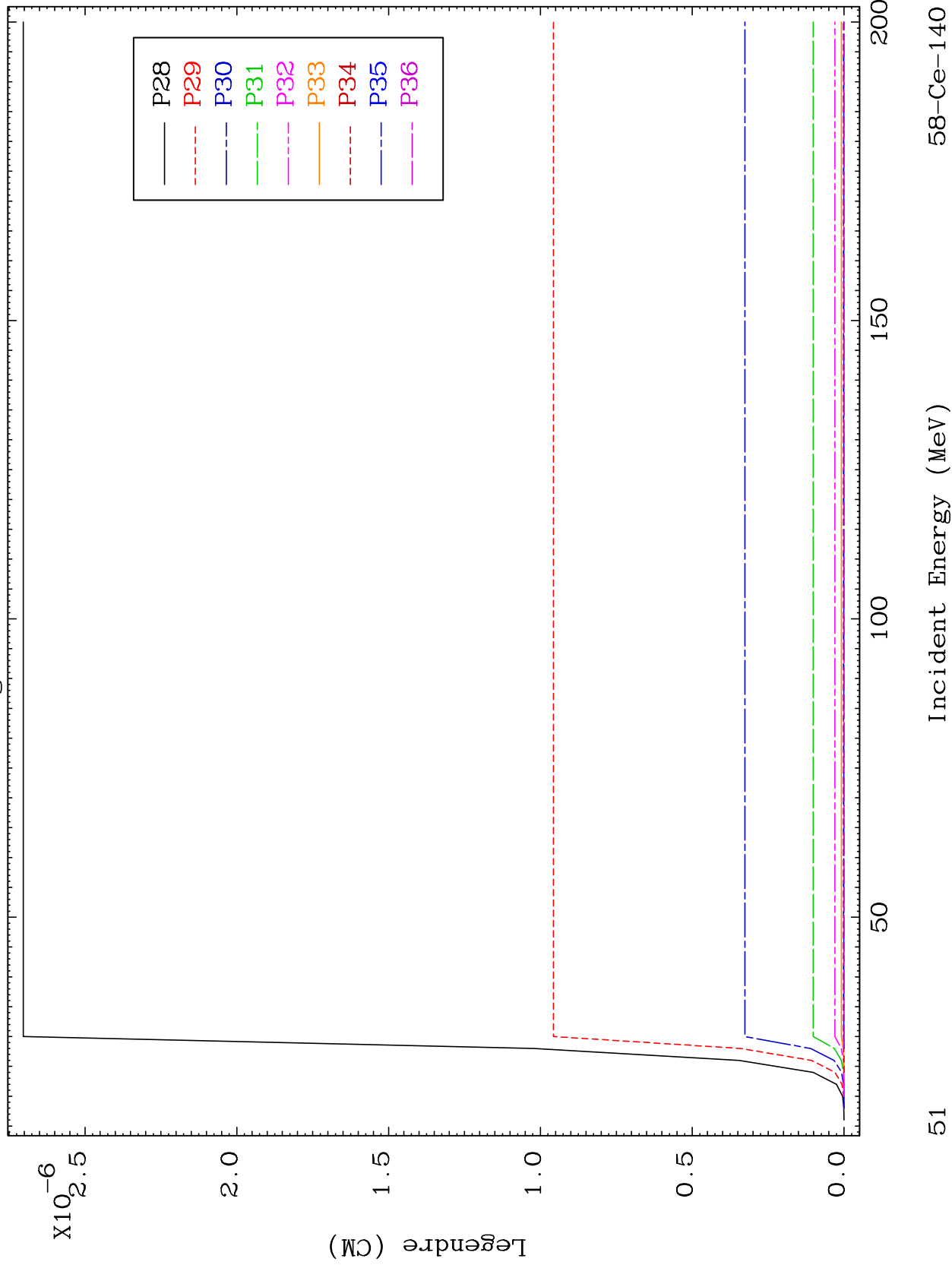
58-Ce-140



MAT 5837

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

58-Ce-140



51

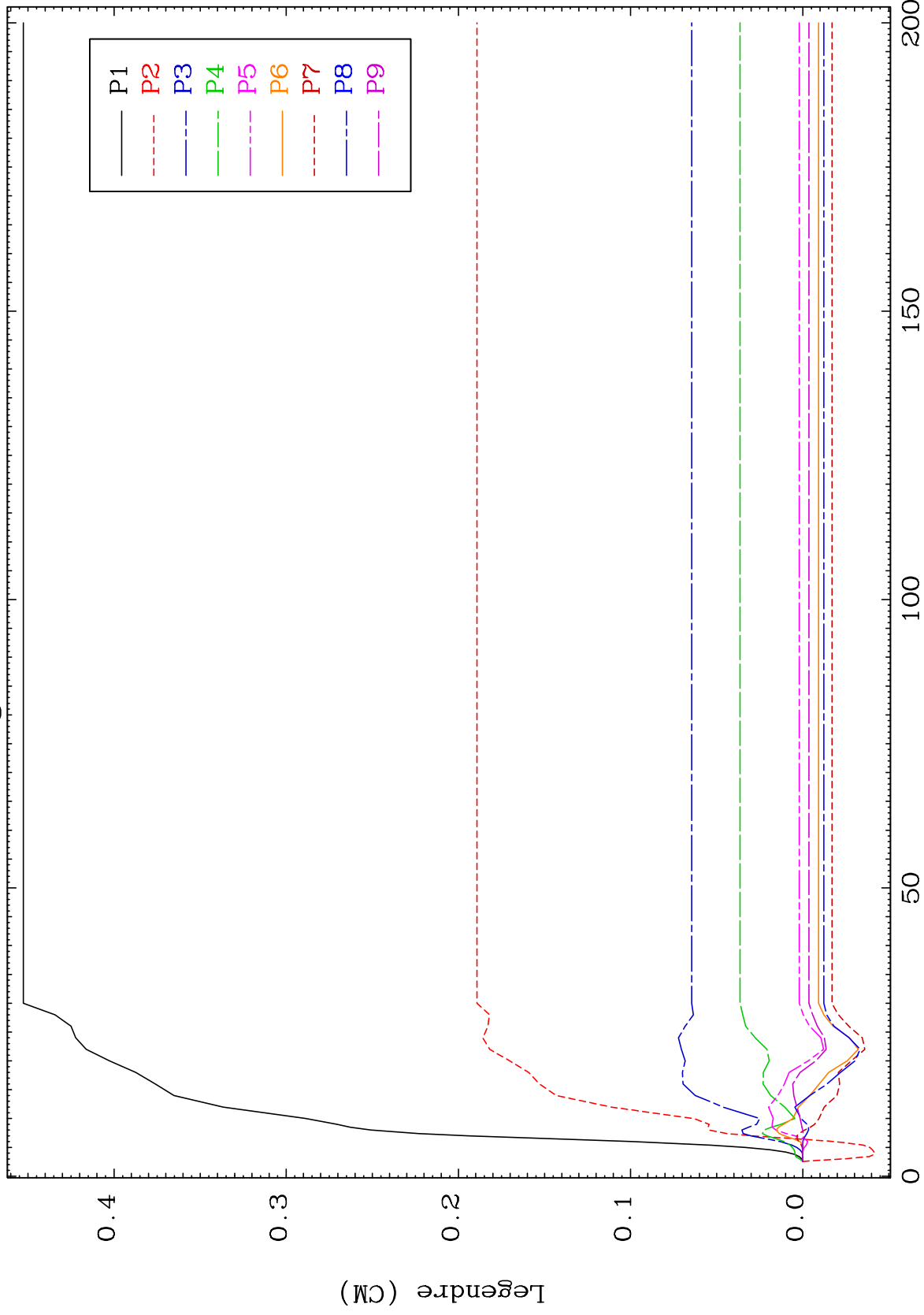
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



52

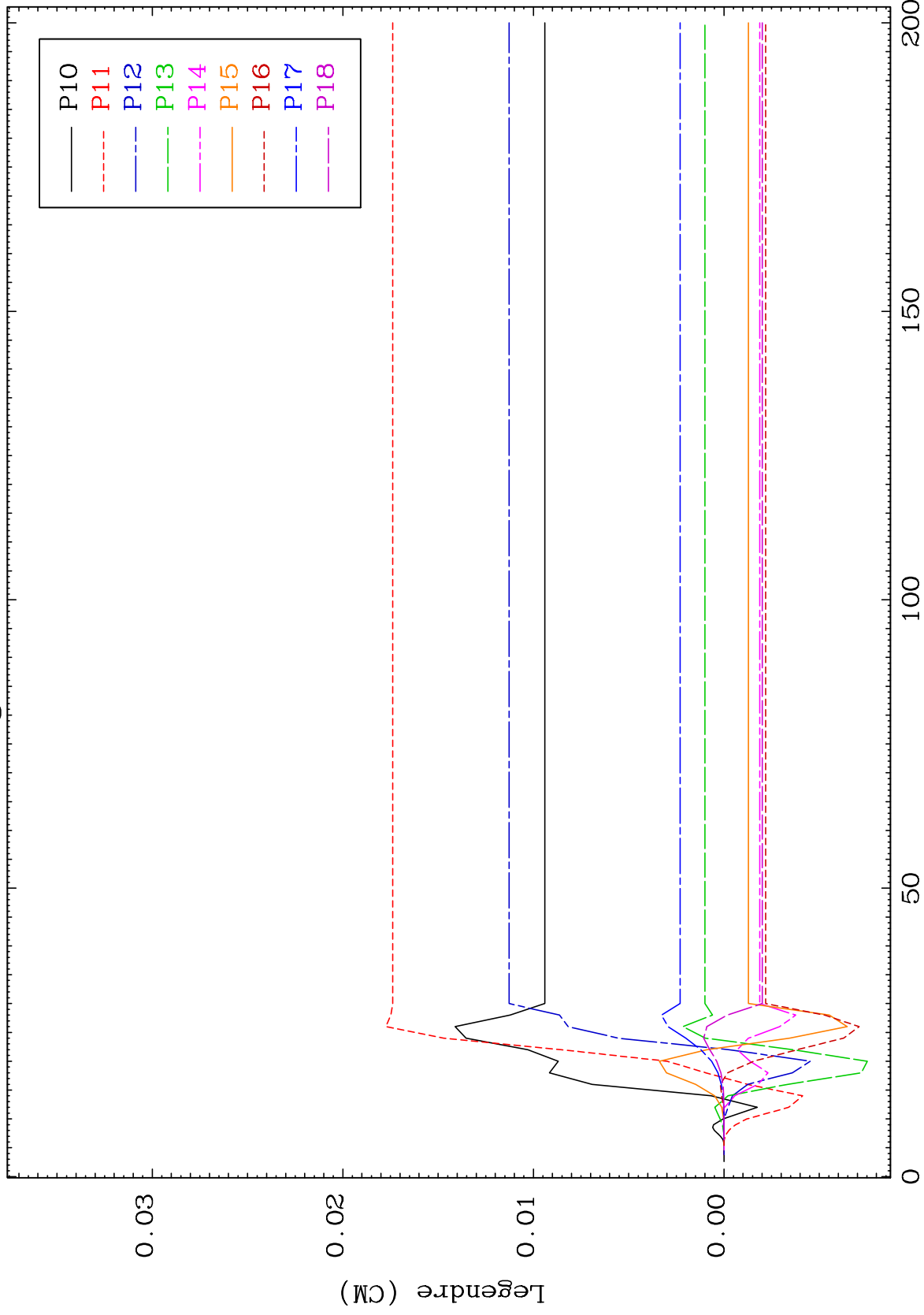
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



53

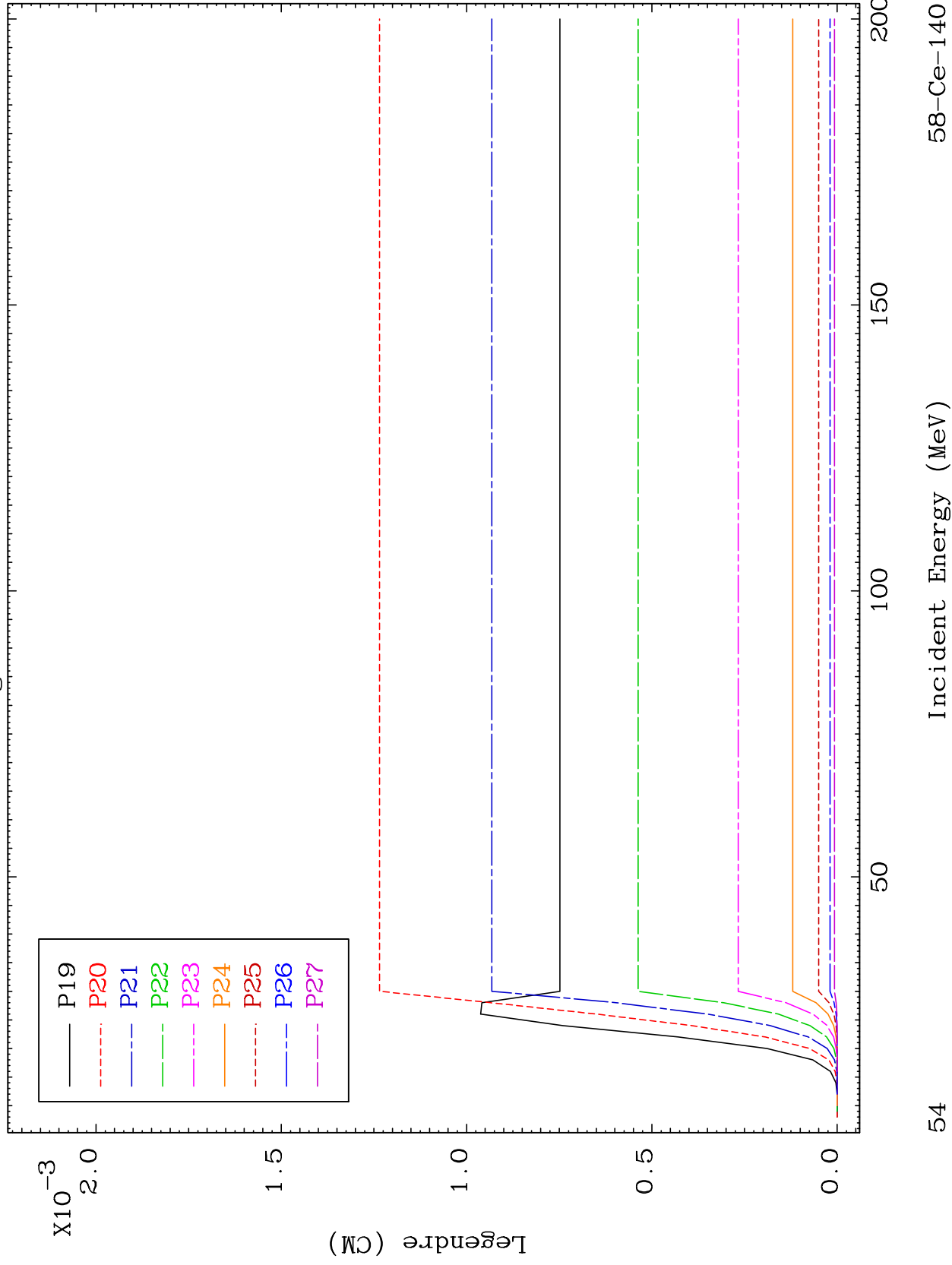
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



54

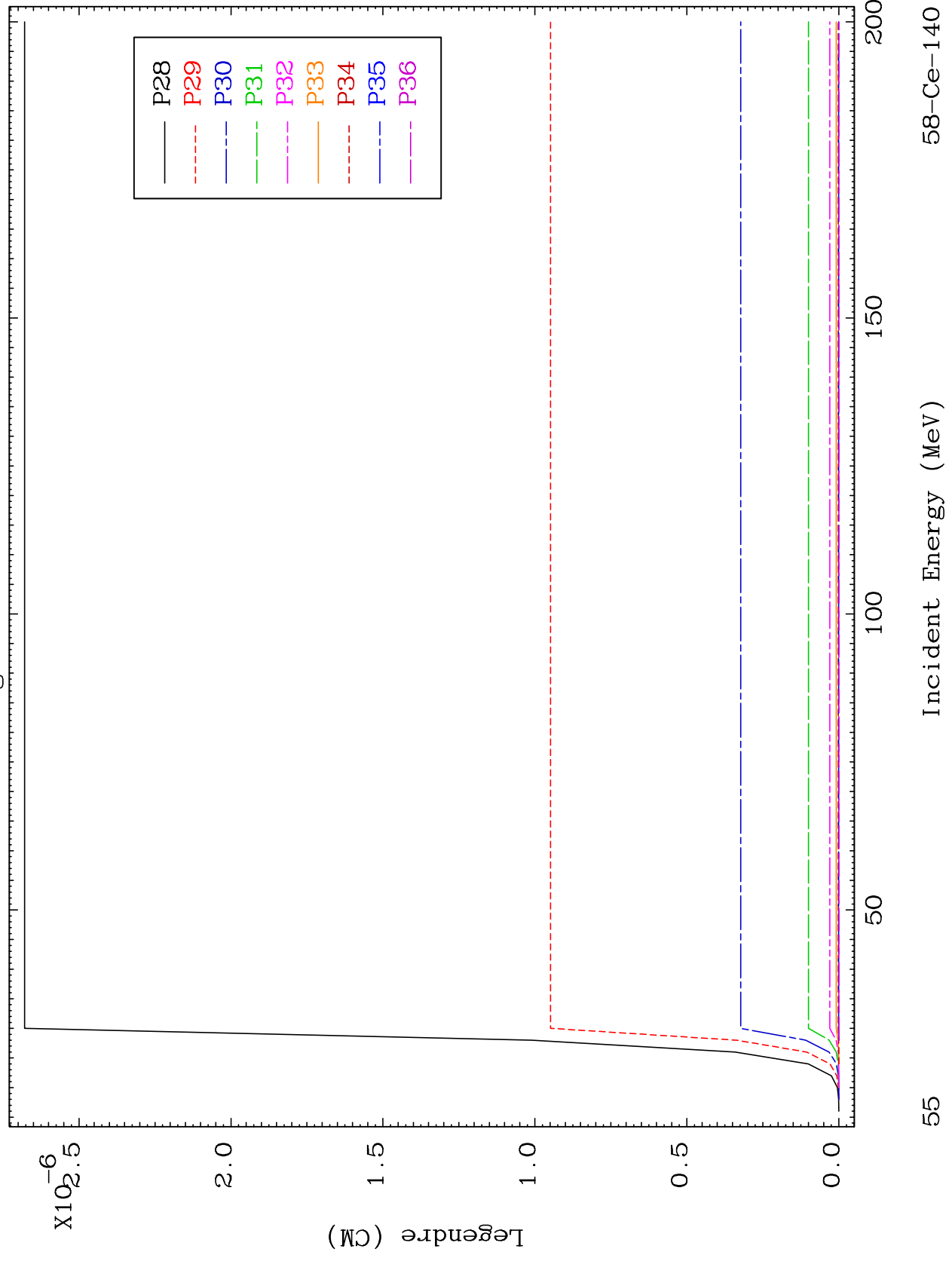
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140

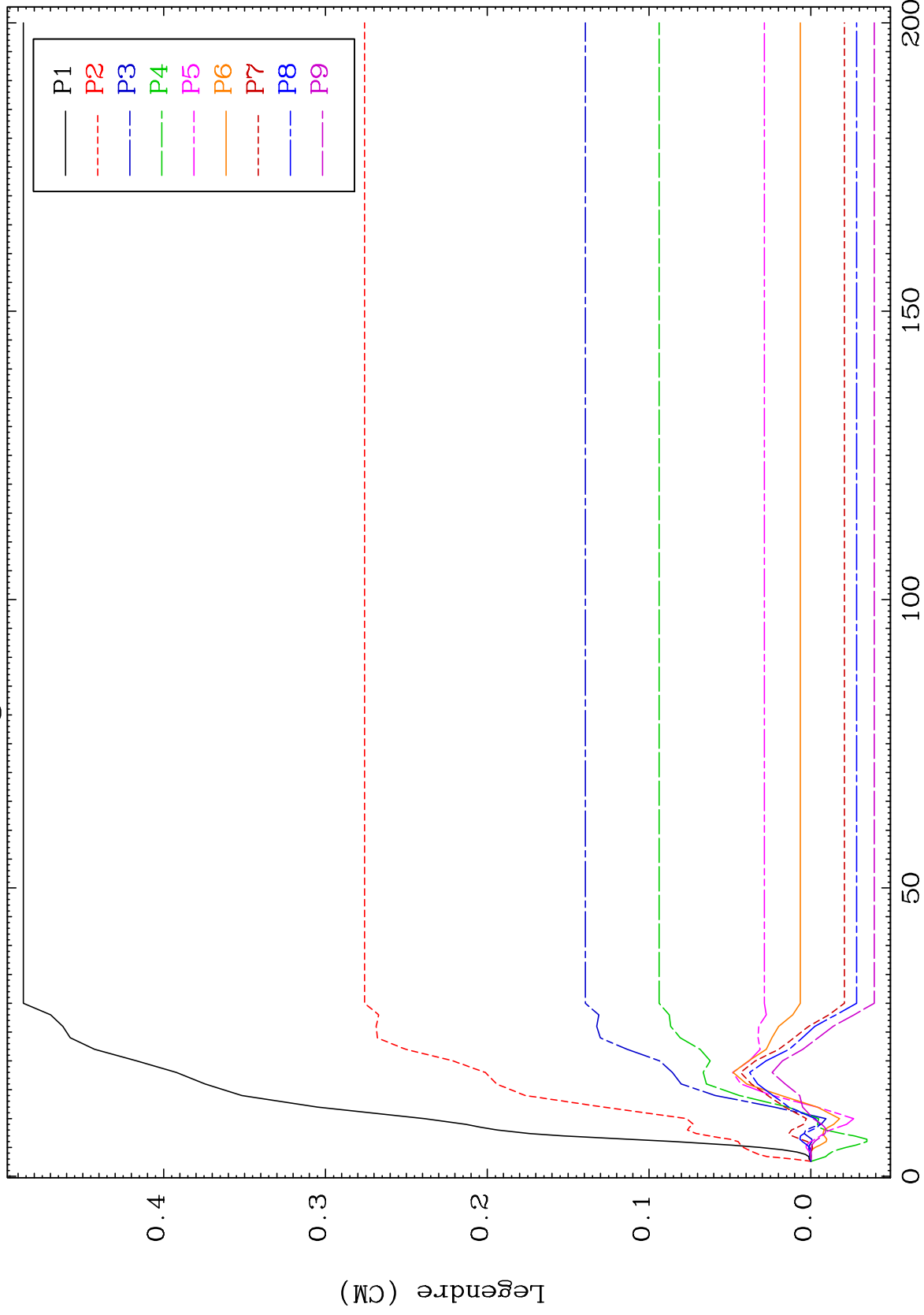




MAT 5837

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

58-Ce-140



58-Ce-140

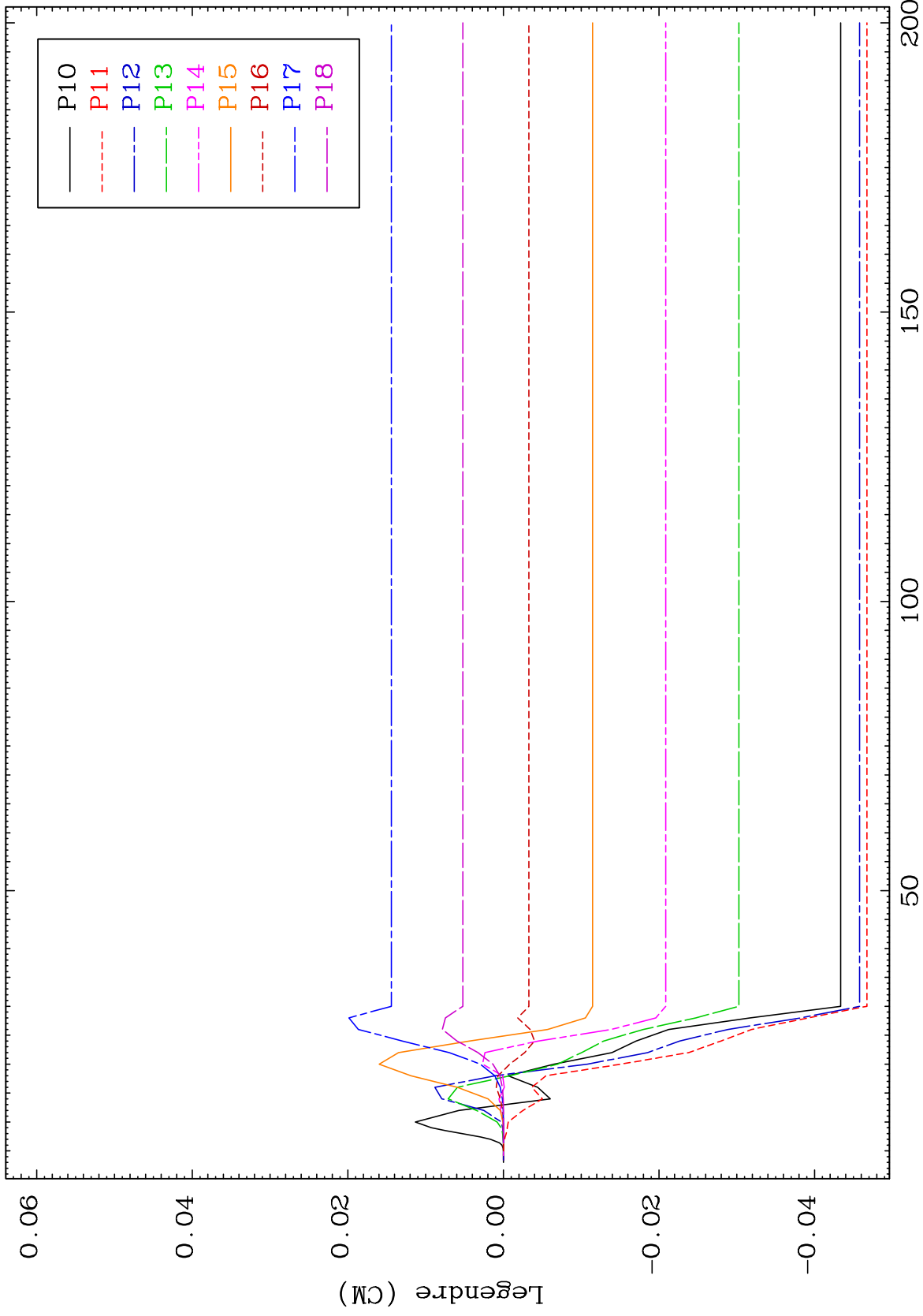
Incident Energy (MeV)

56

MAT 5837

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

58-Ce-140



57

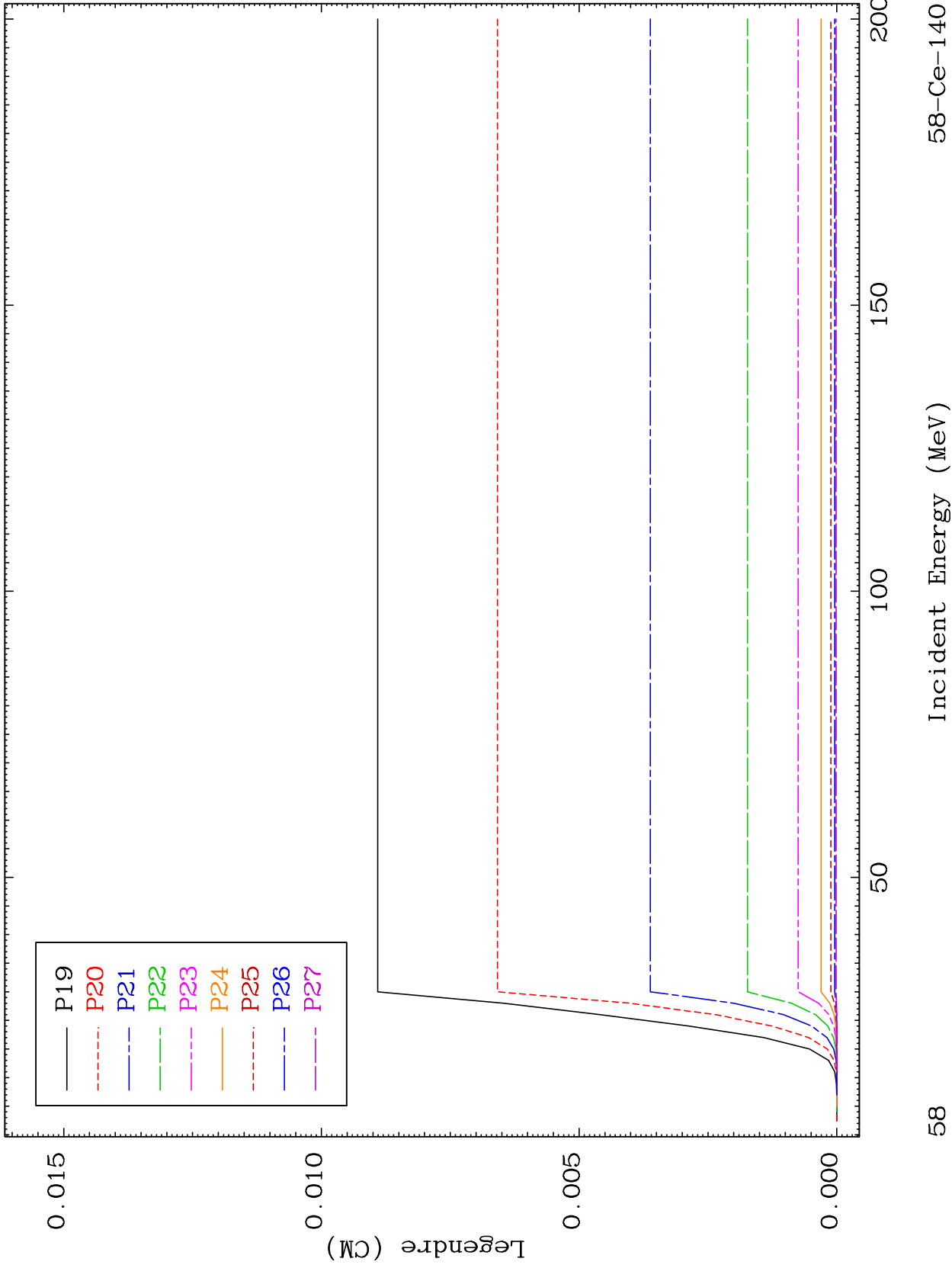
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



58

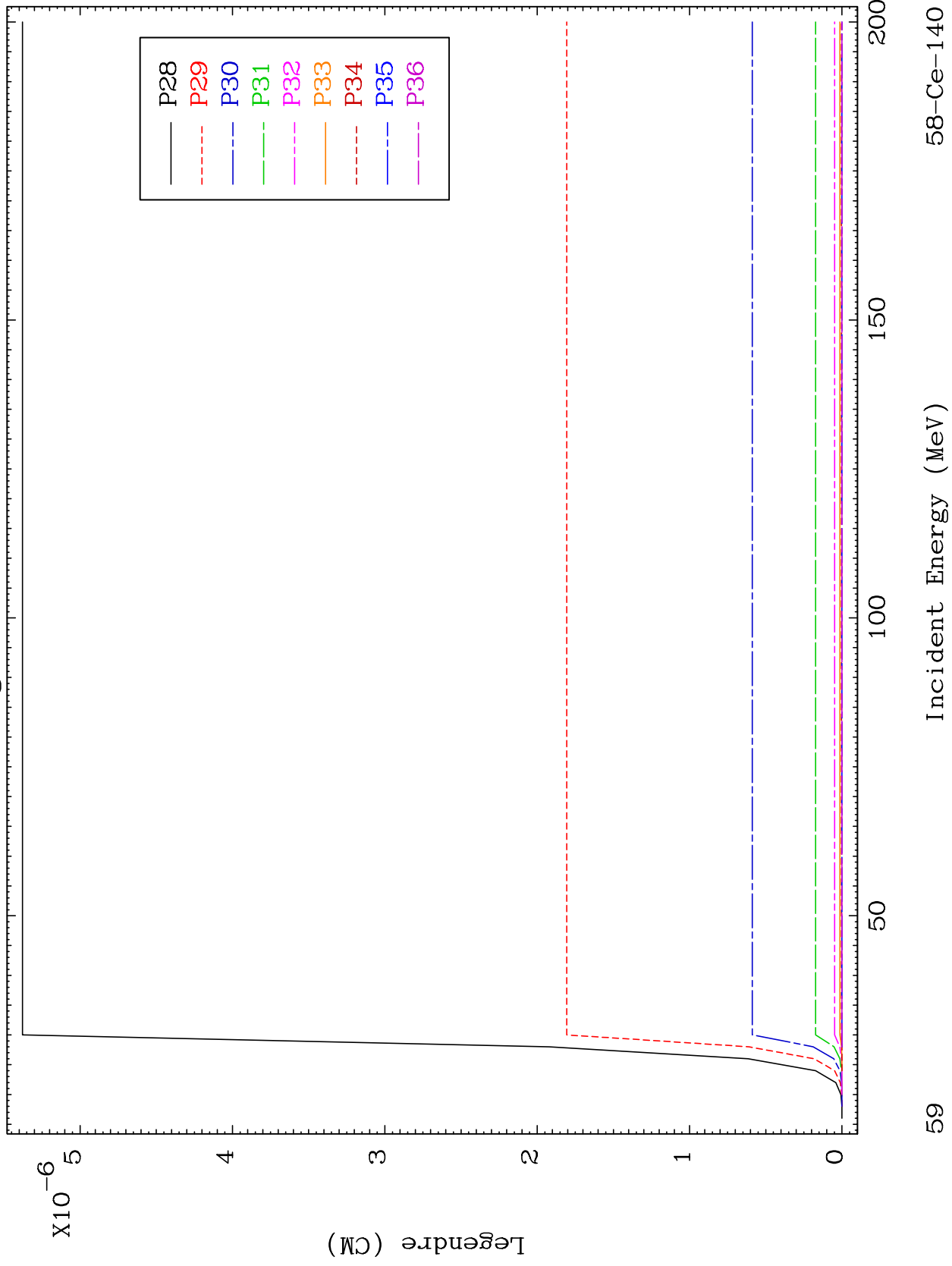
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



59

Incident Energy (MeV)

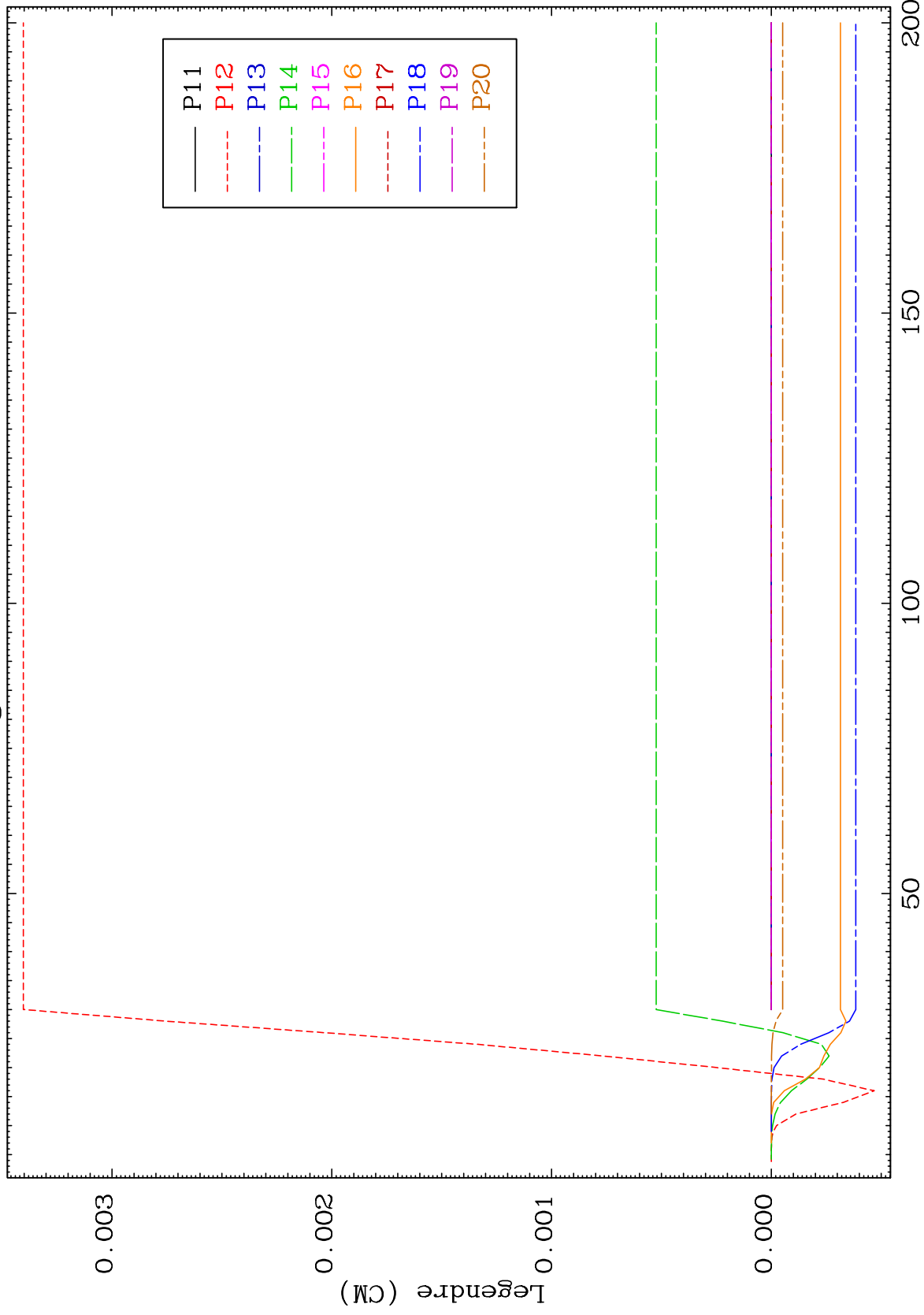
58-Ce-140



MAT 5837

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

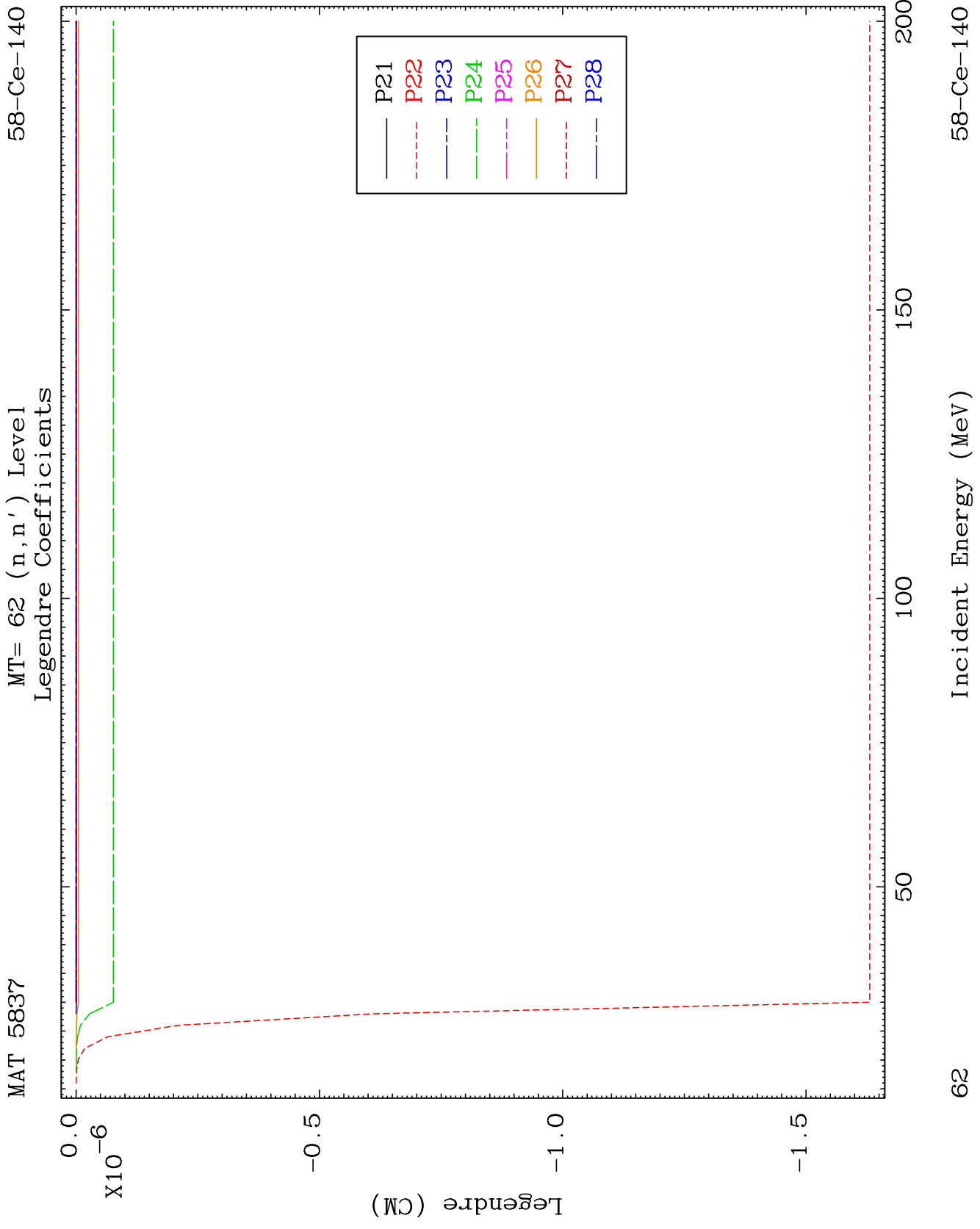
58-Ce-140



61

Incident Energy (MeV)

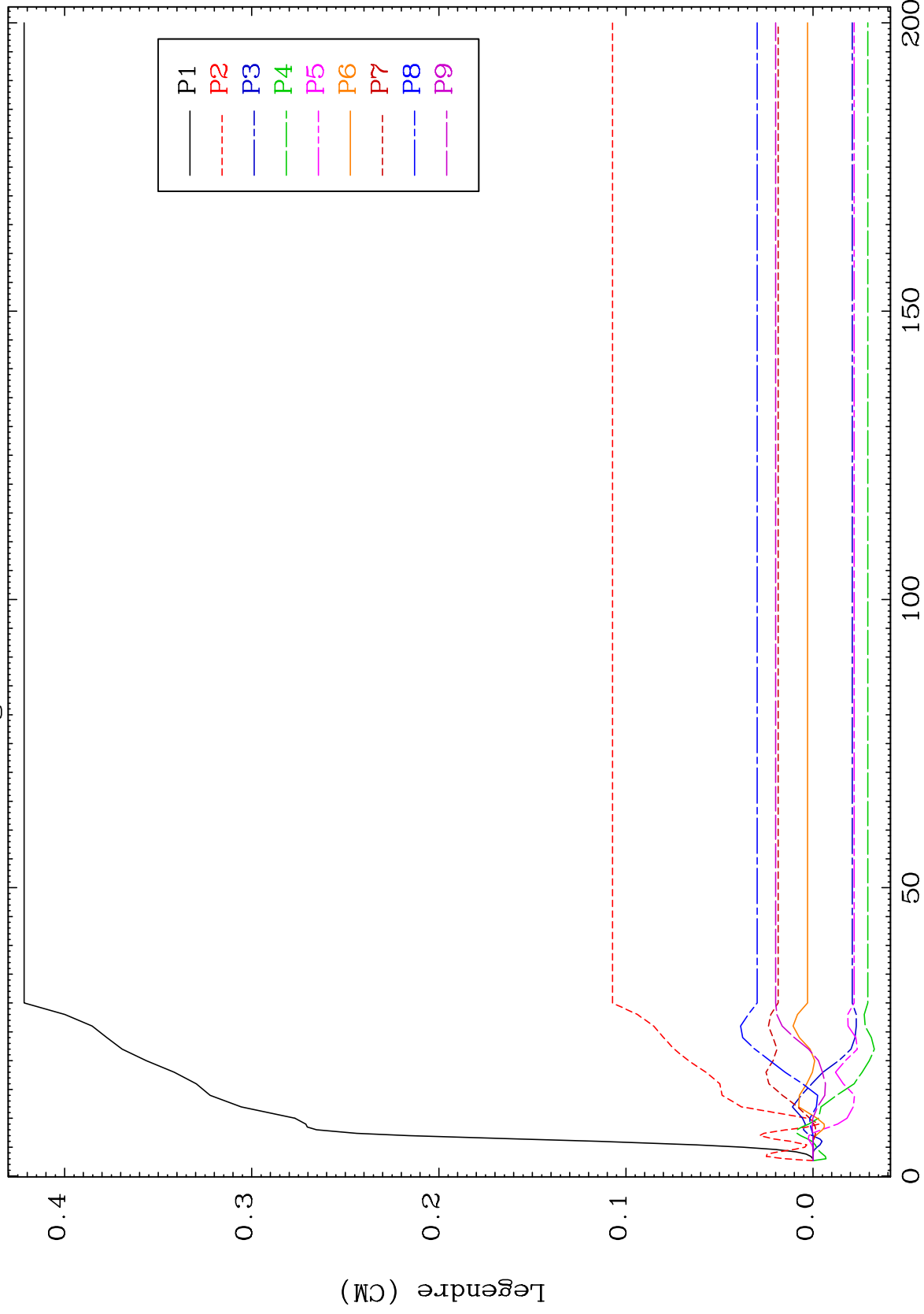
58-Ce-140



MAT 5837

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

58-Ce-140



63

Incident Energy (MeV)

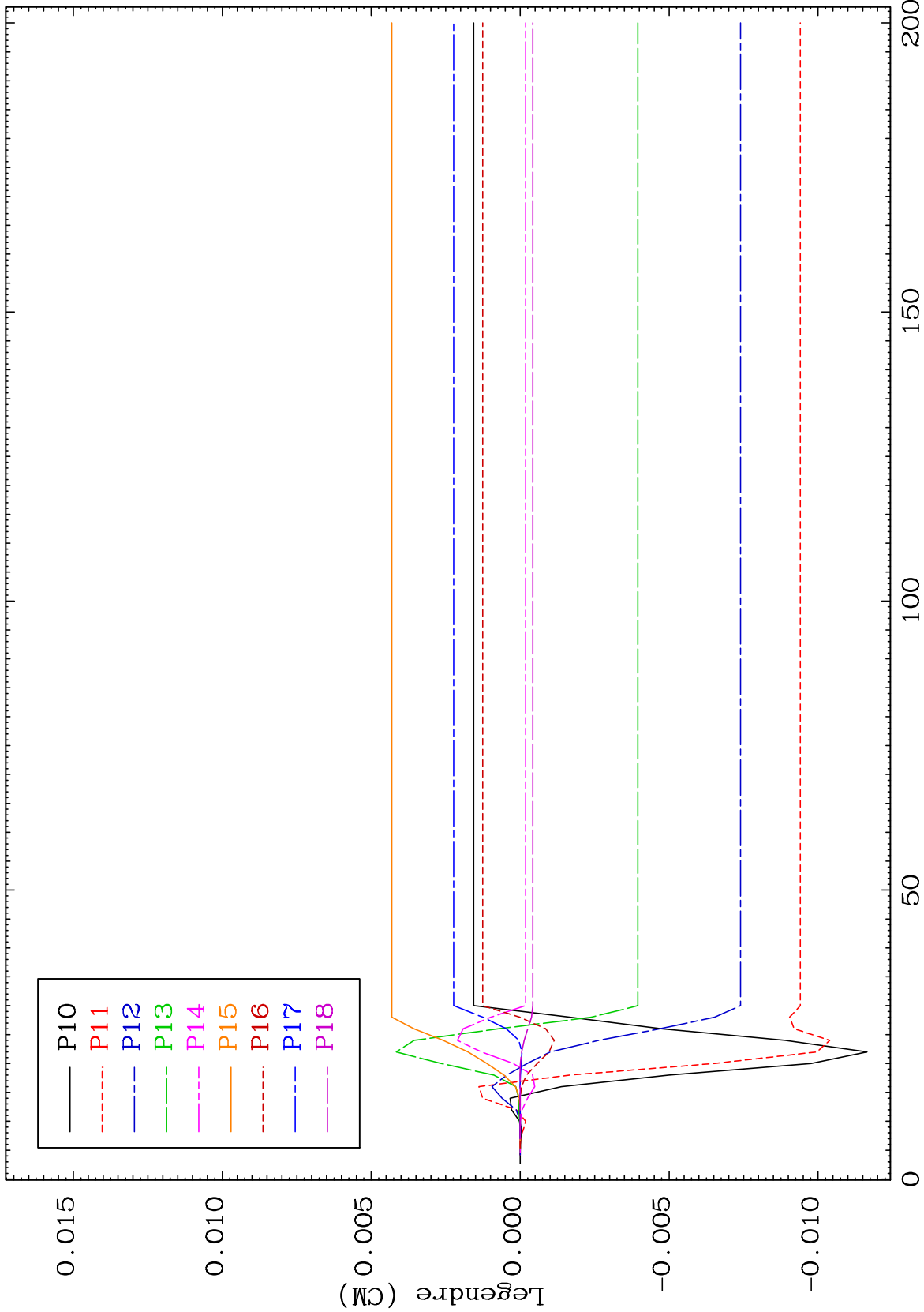
58-Ce-140



MAT 5837

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

58-Ce-140



64

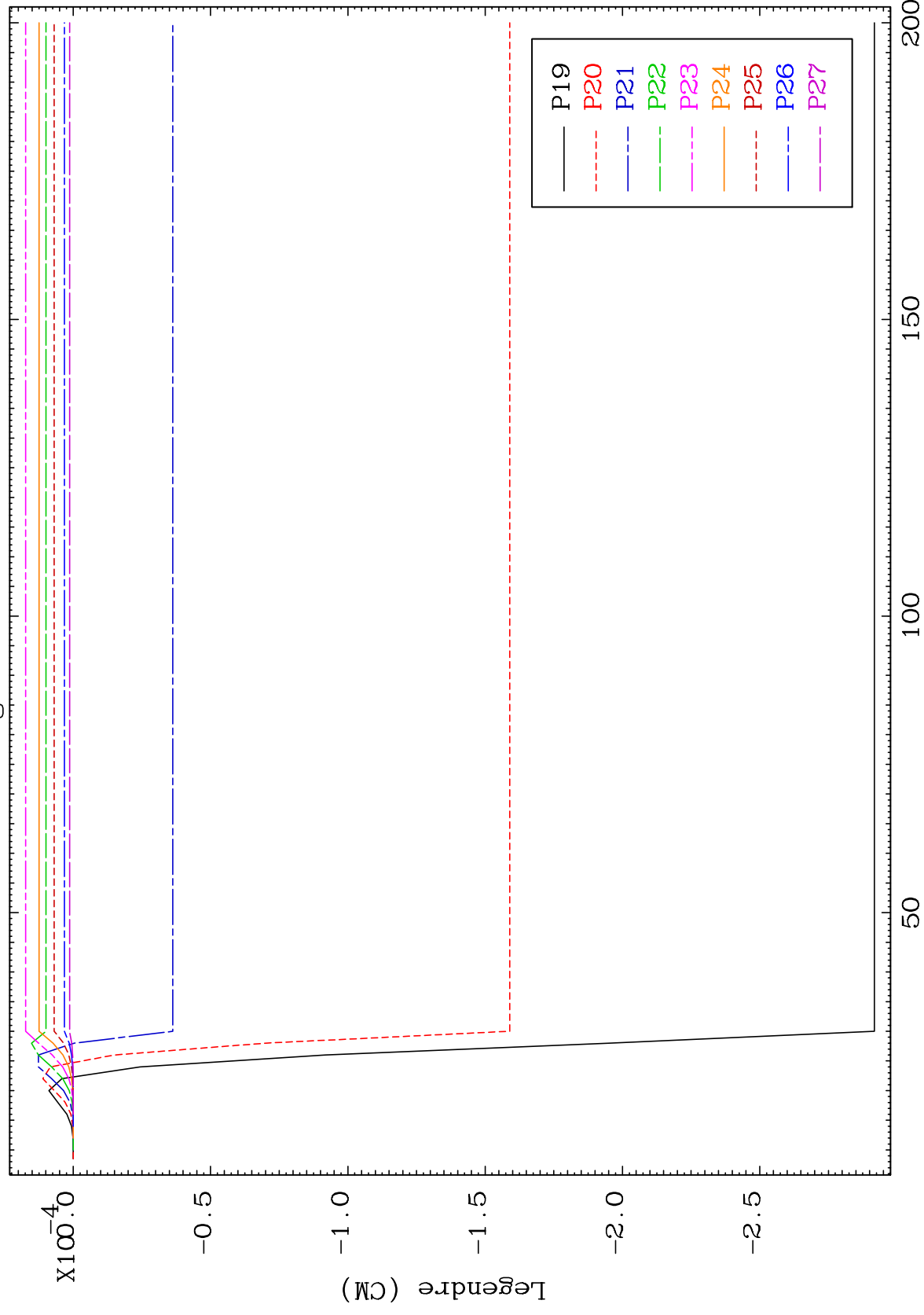
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



65

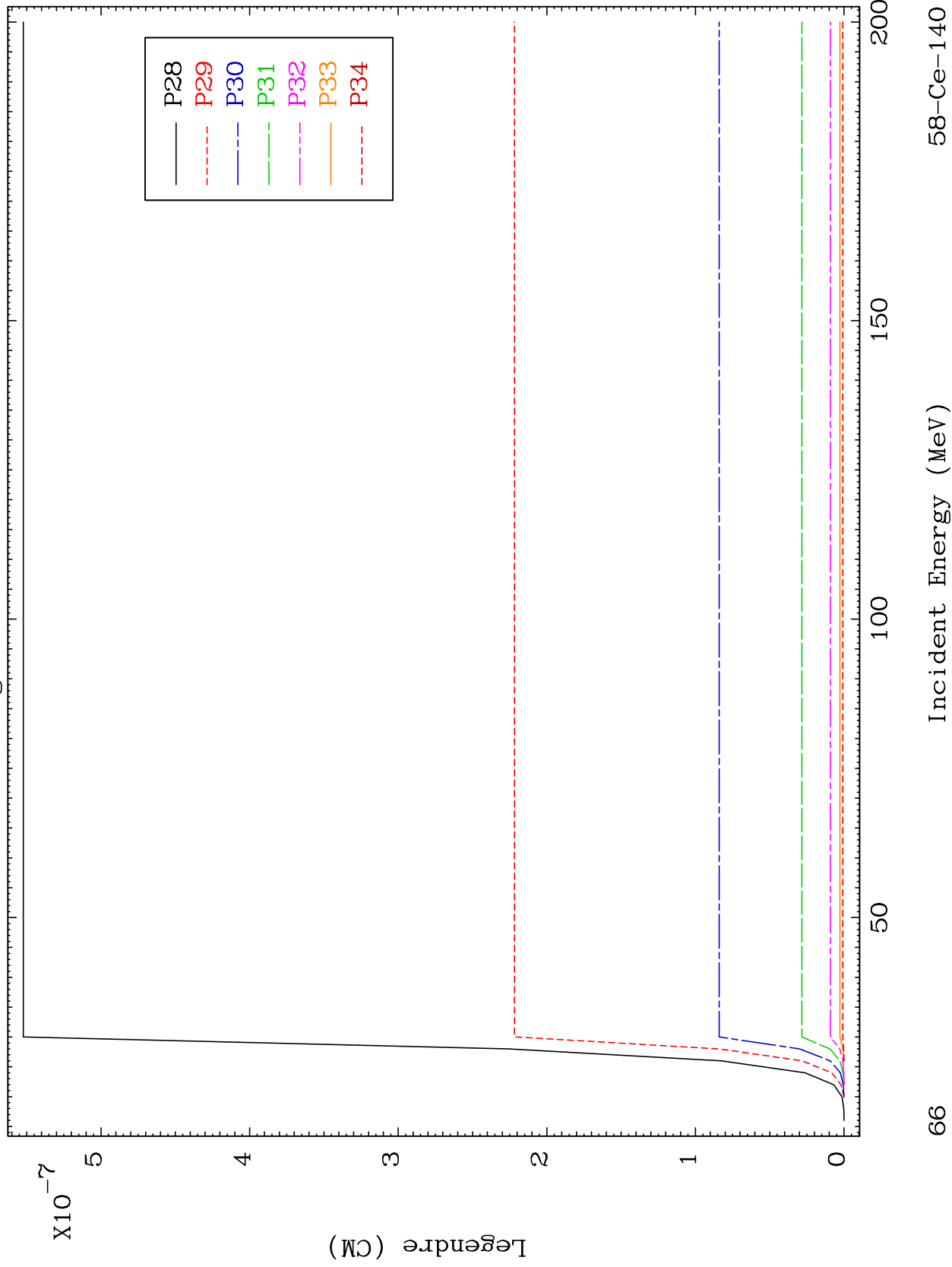
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

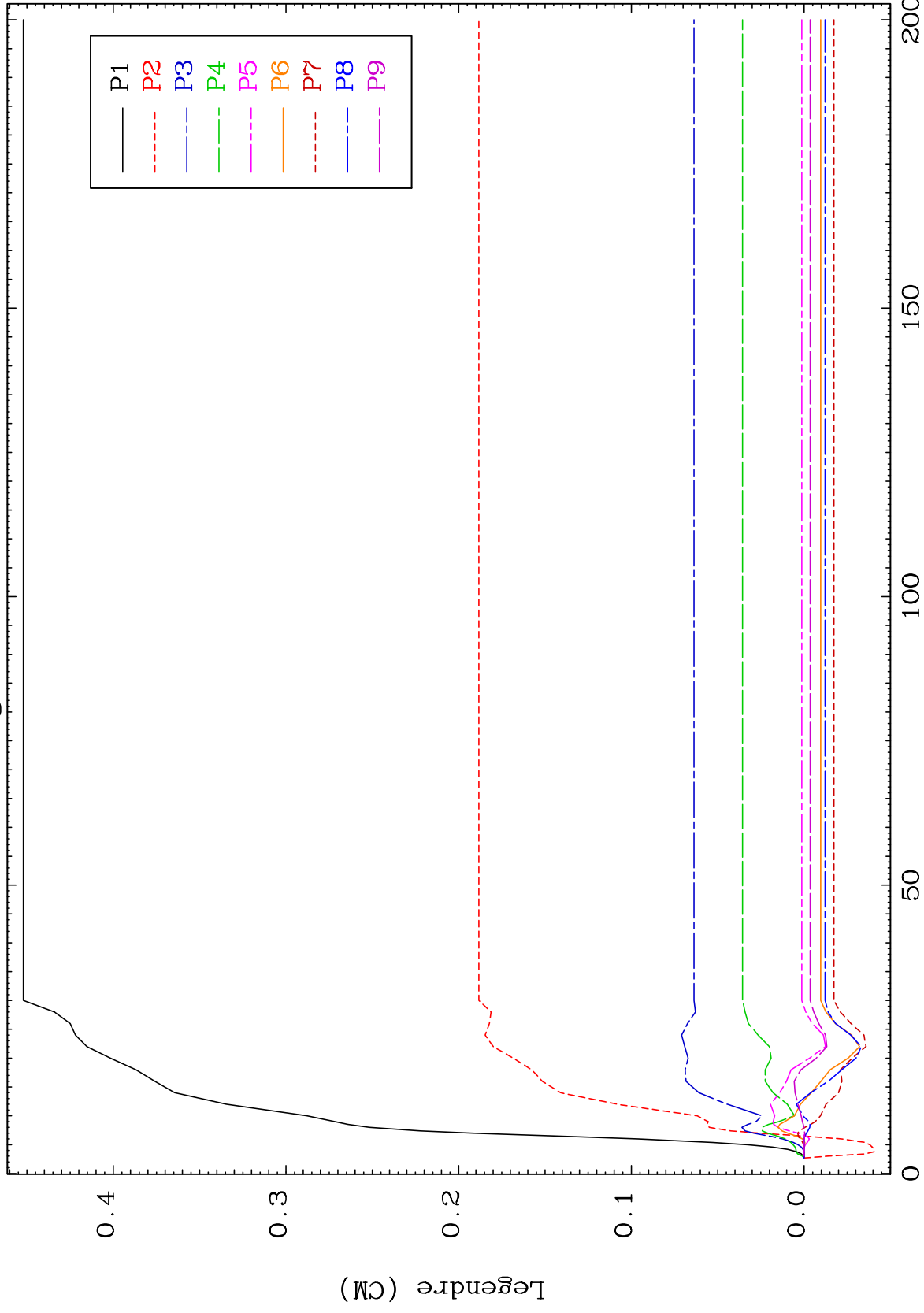
58-Ce-140



MAT 5837

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

58-Ce-140



67

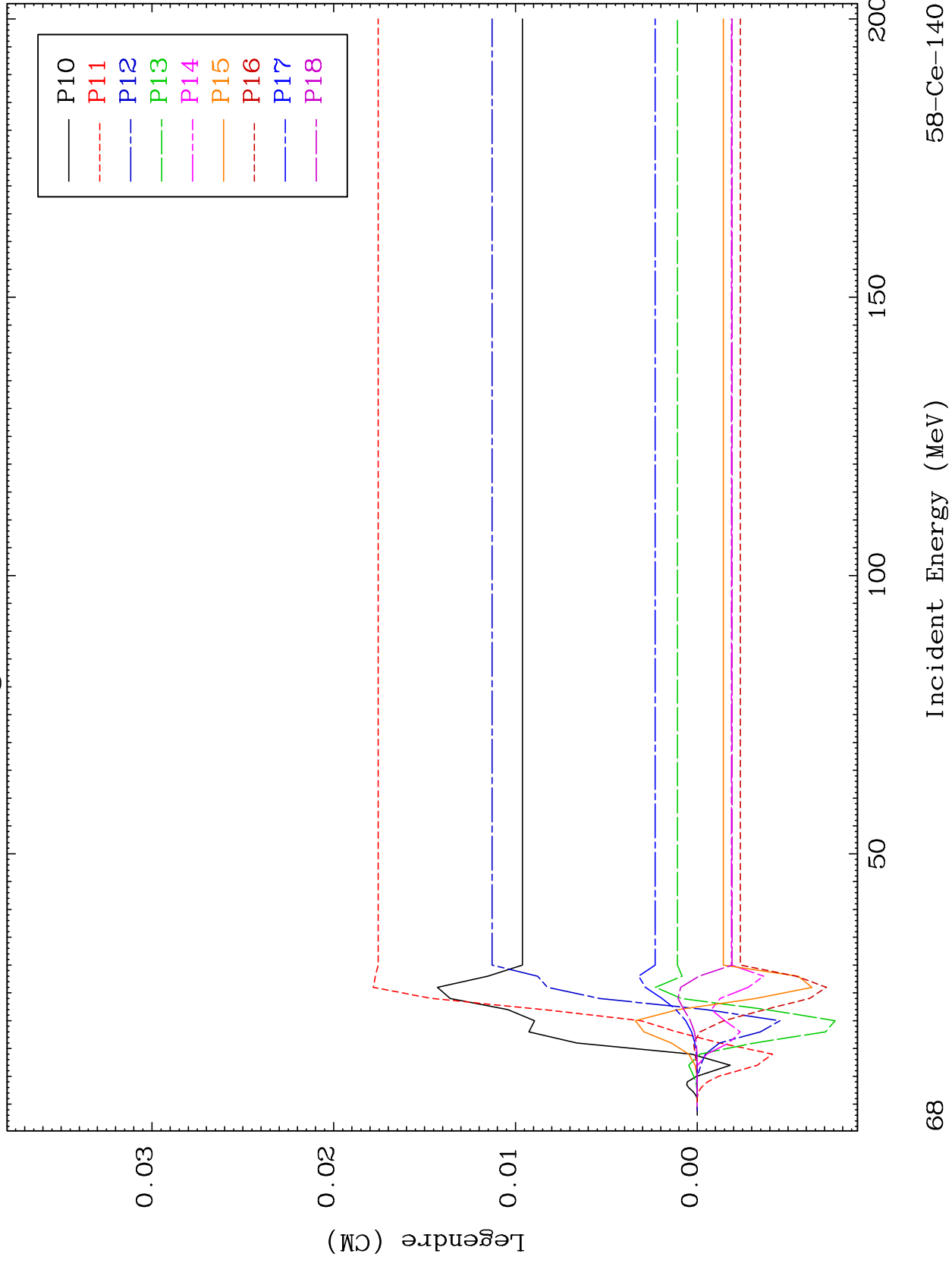
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



68

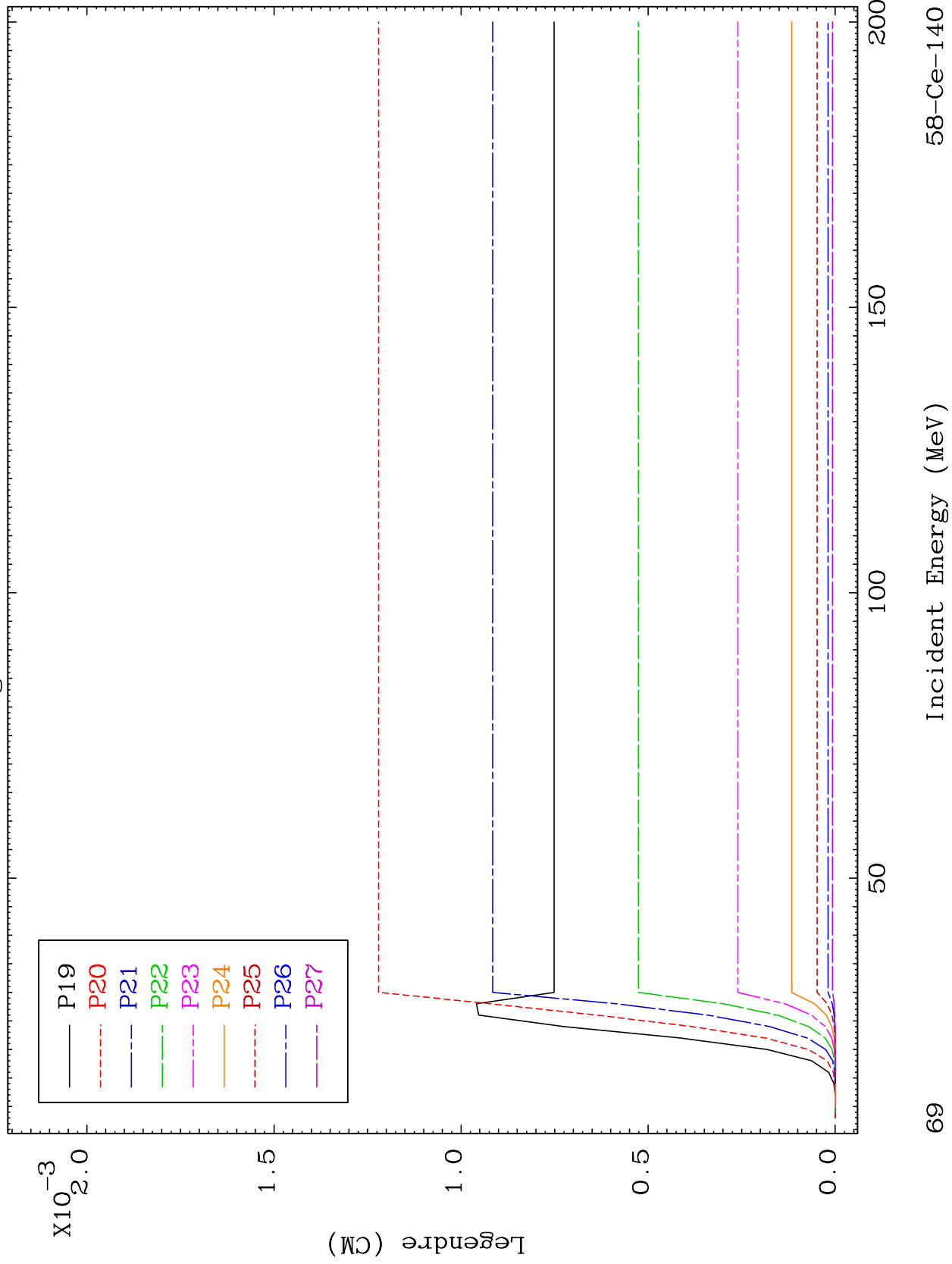
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

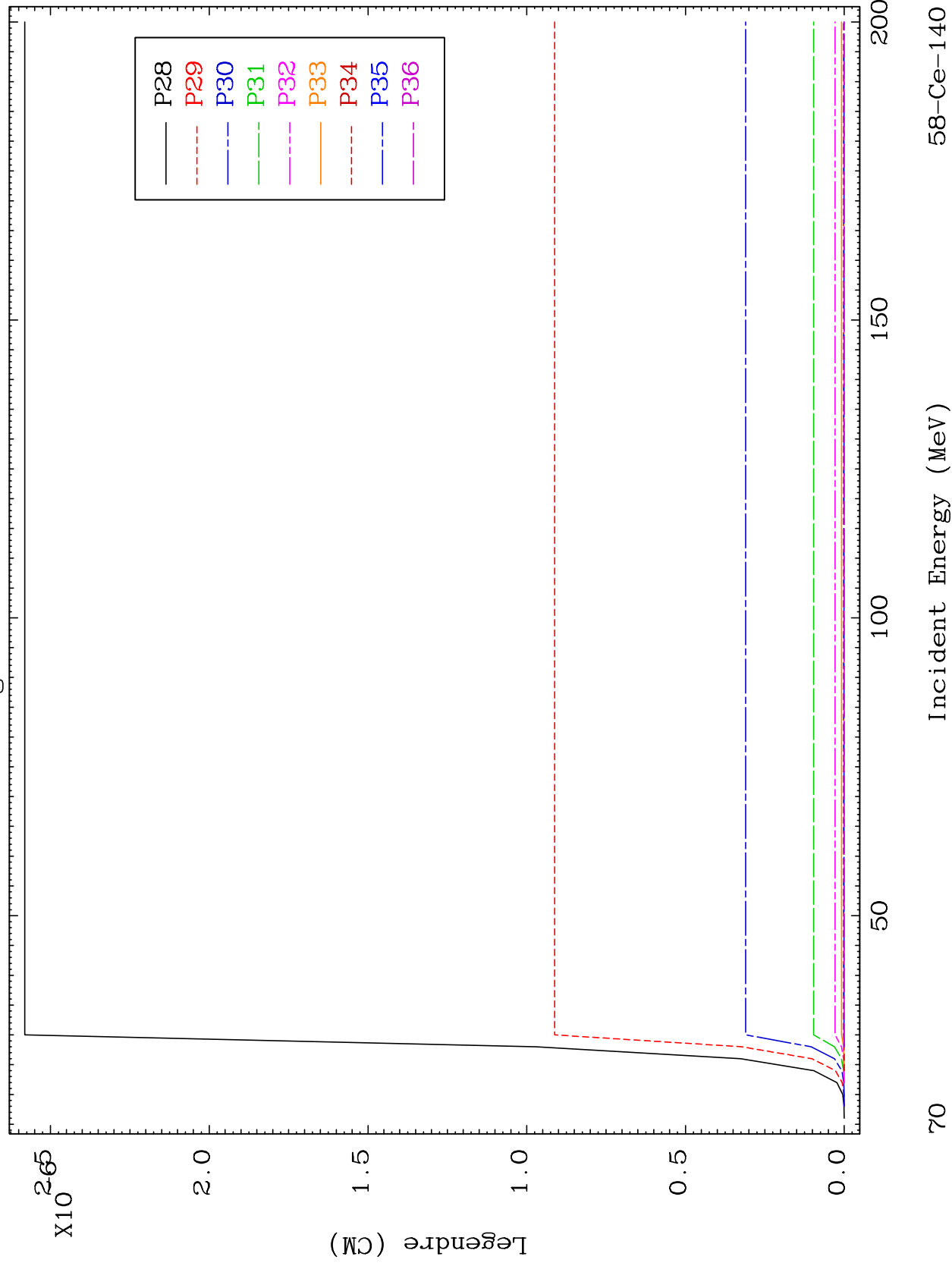
58-Ce-140



MAT 5837

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

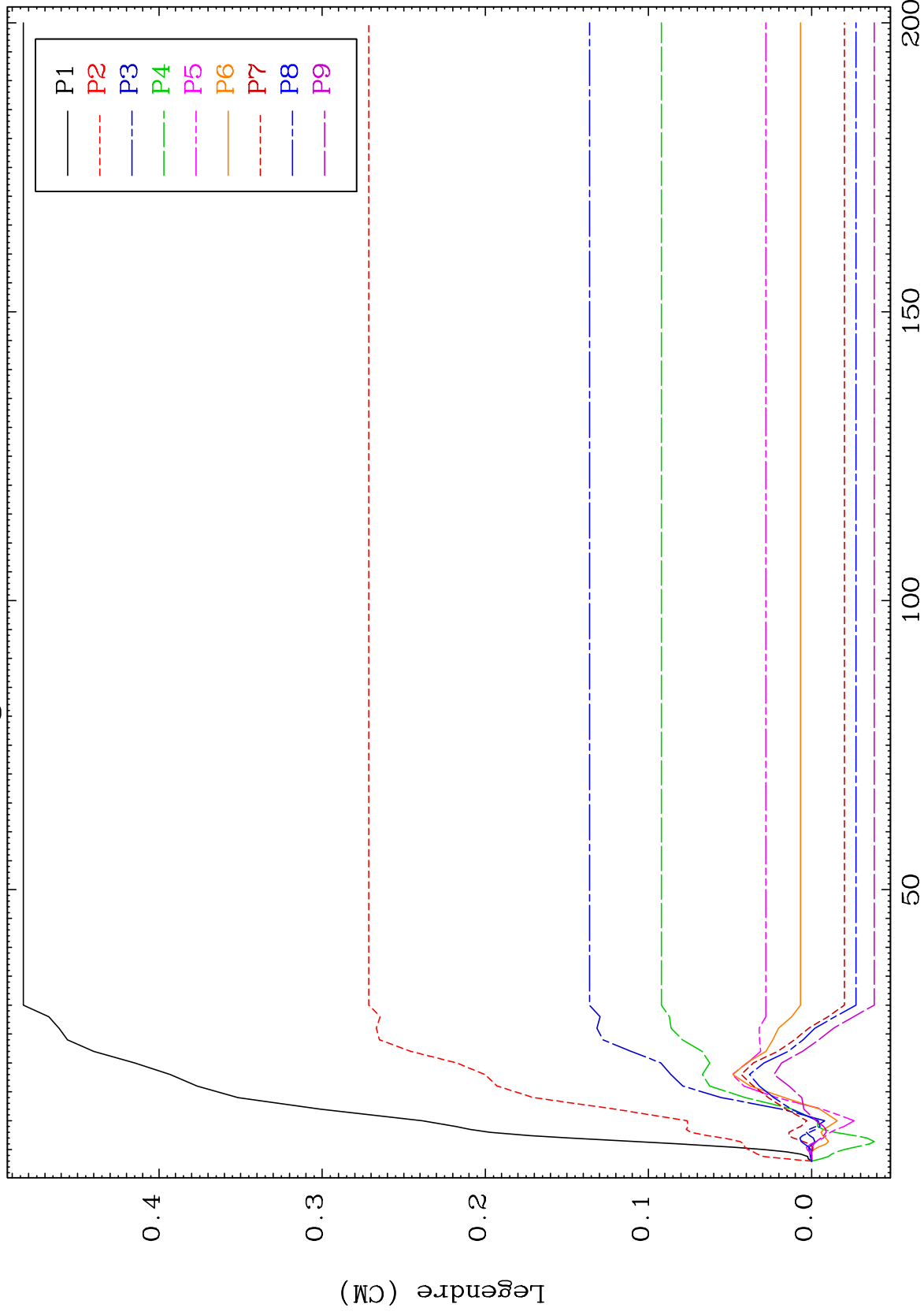
58-Ce-140



MAT 5837

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

58-Ce-140



71

Incident Energy (MeV)

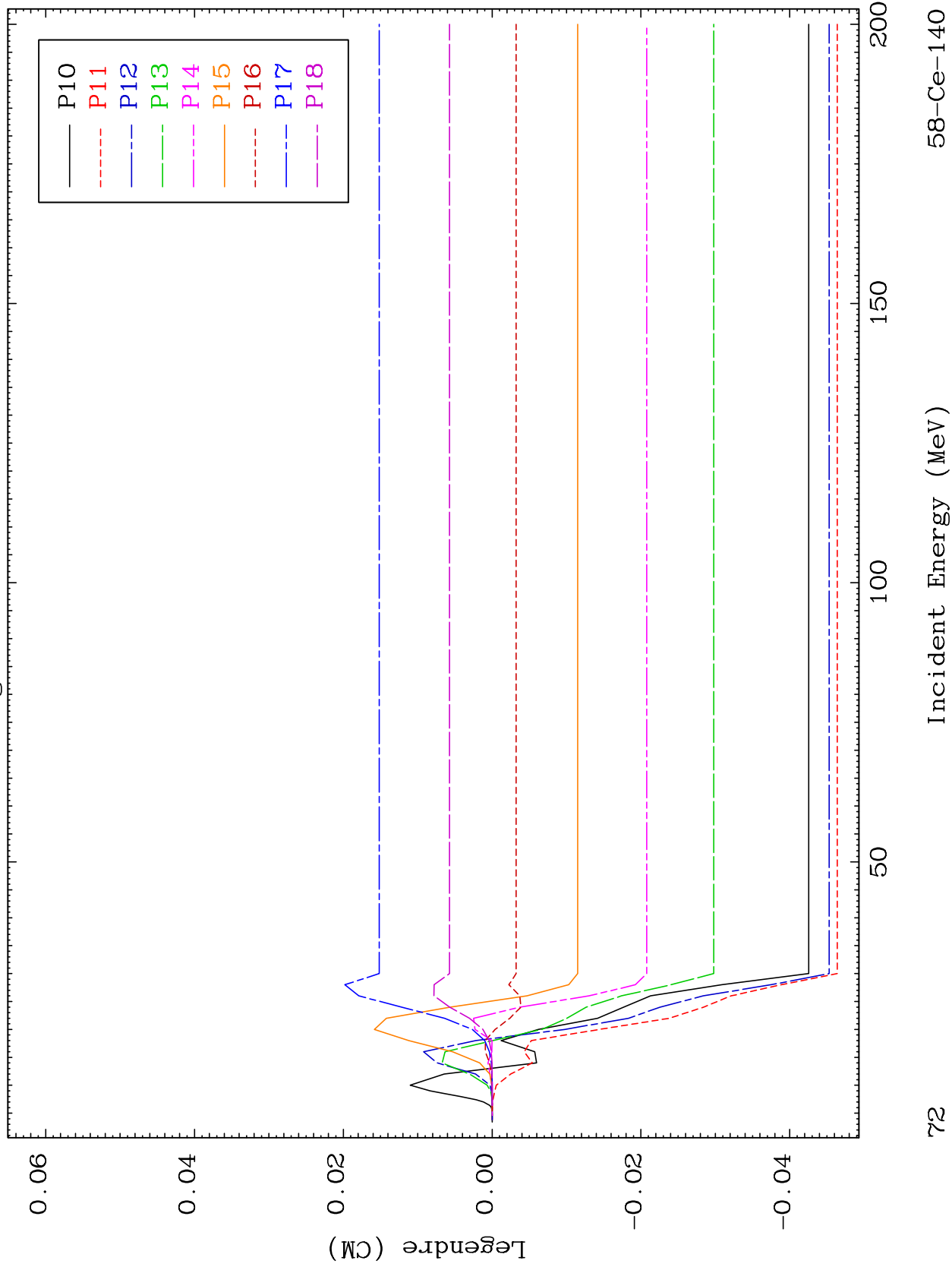
58-Ce-140



MAT 5837

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

58-Ce-140



72

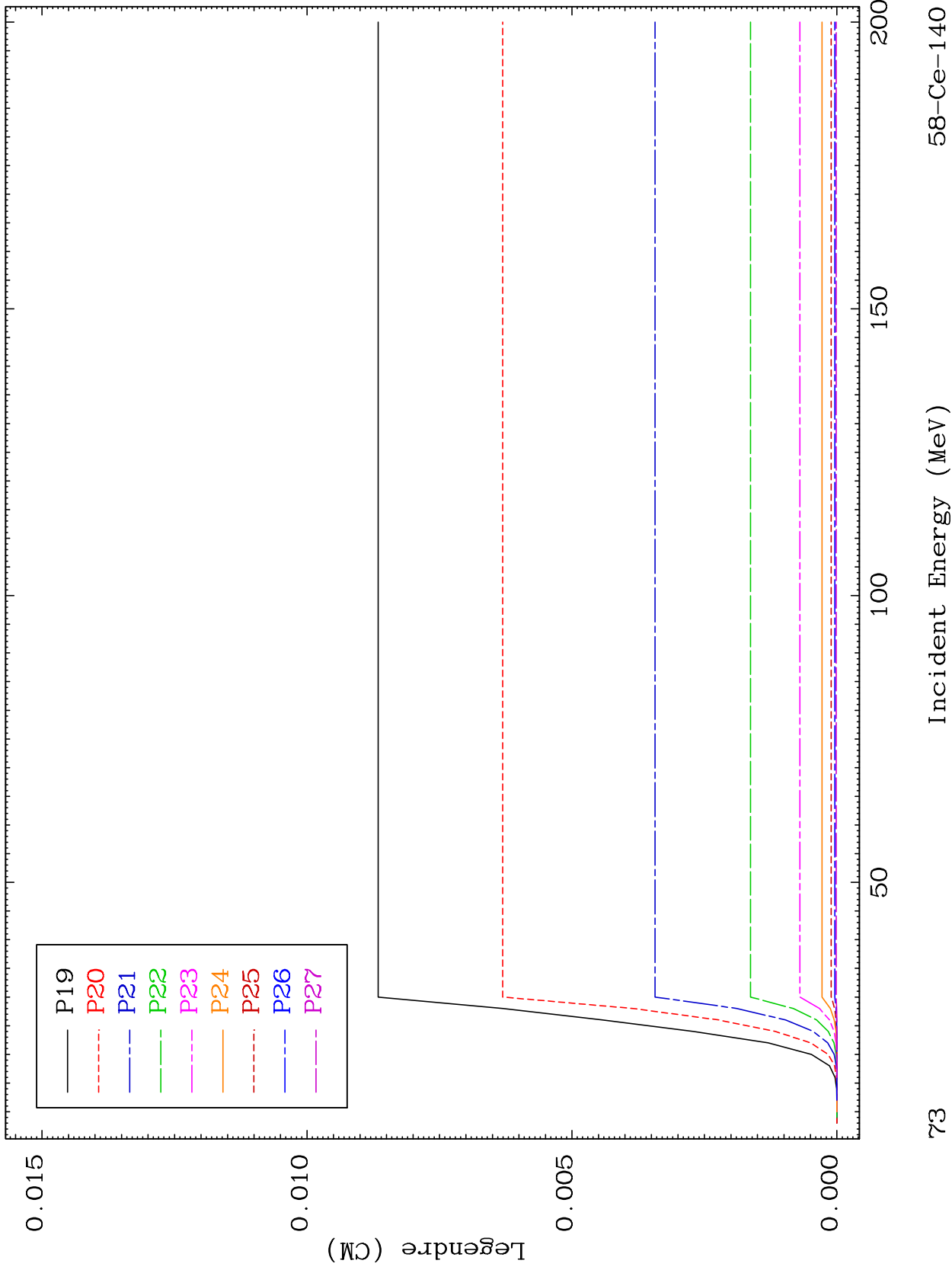
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

58-Ce-140



73

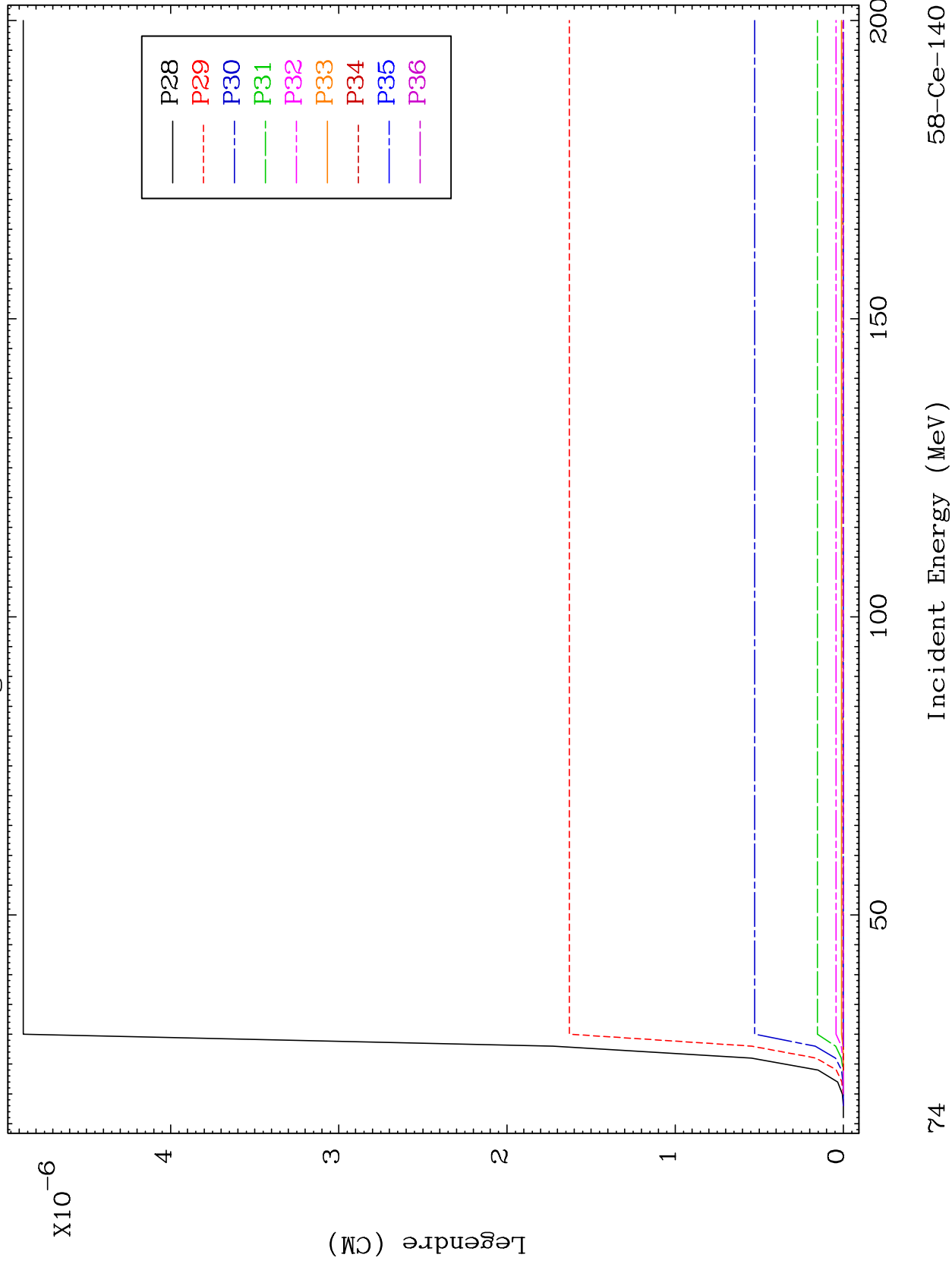
Incident Energy (MeV)

58-Ce-140

MAT 5837

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

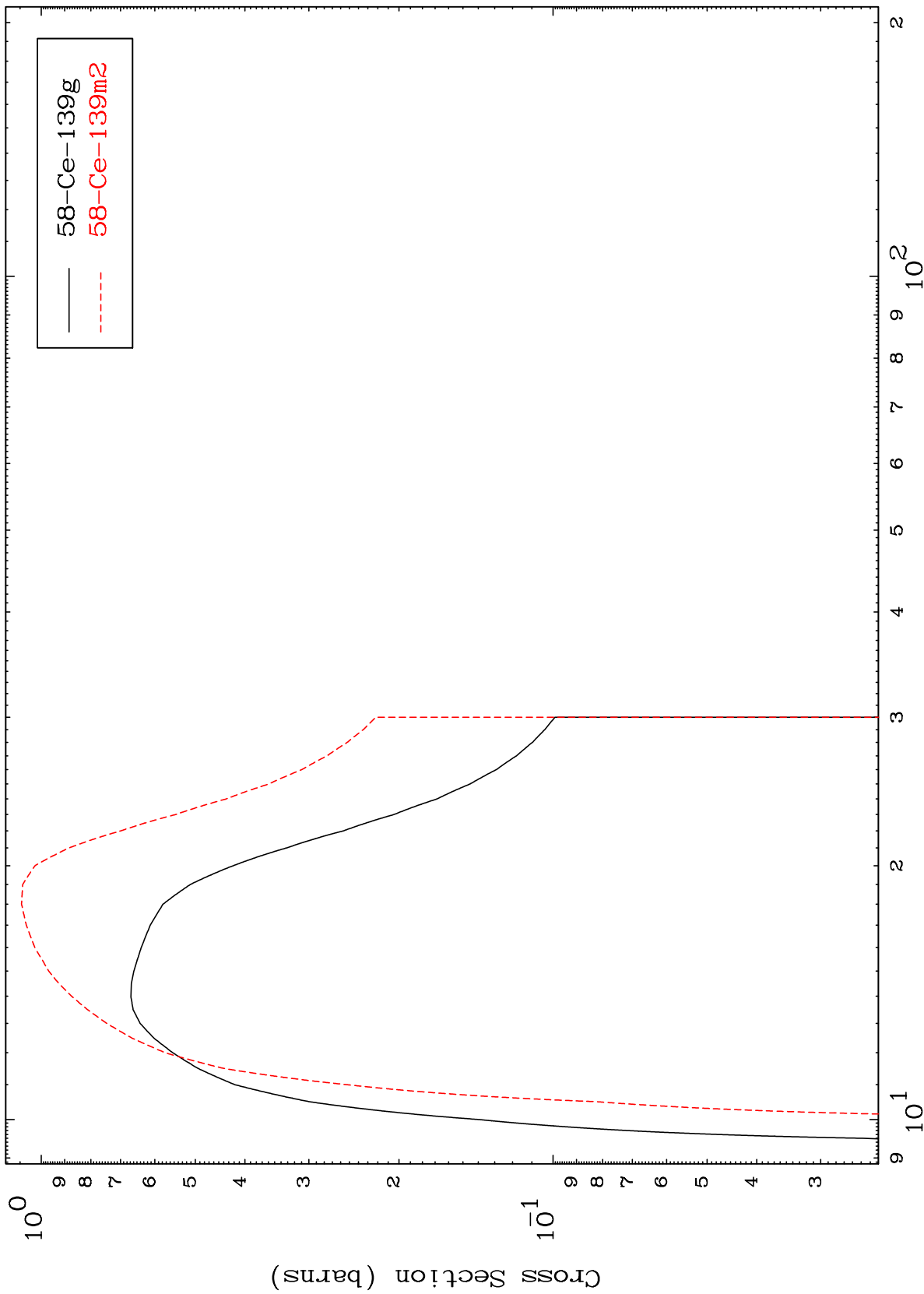
58-Ce-140



MAT 5837

58-Ce-140

(n,2n)  
Radionuclide Production Cross Section



58-Ce-139g  
58-Ce-139m2

58-Ce-140

Incident Energy (MeV)

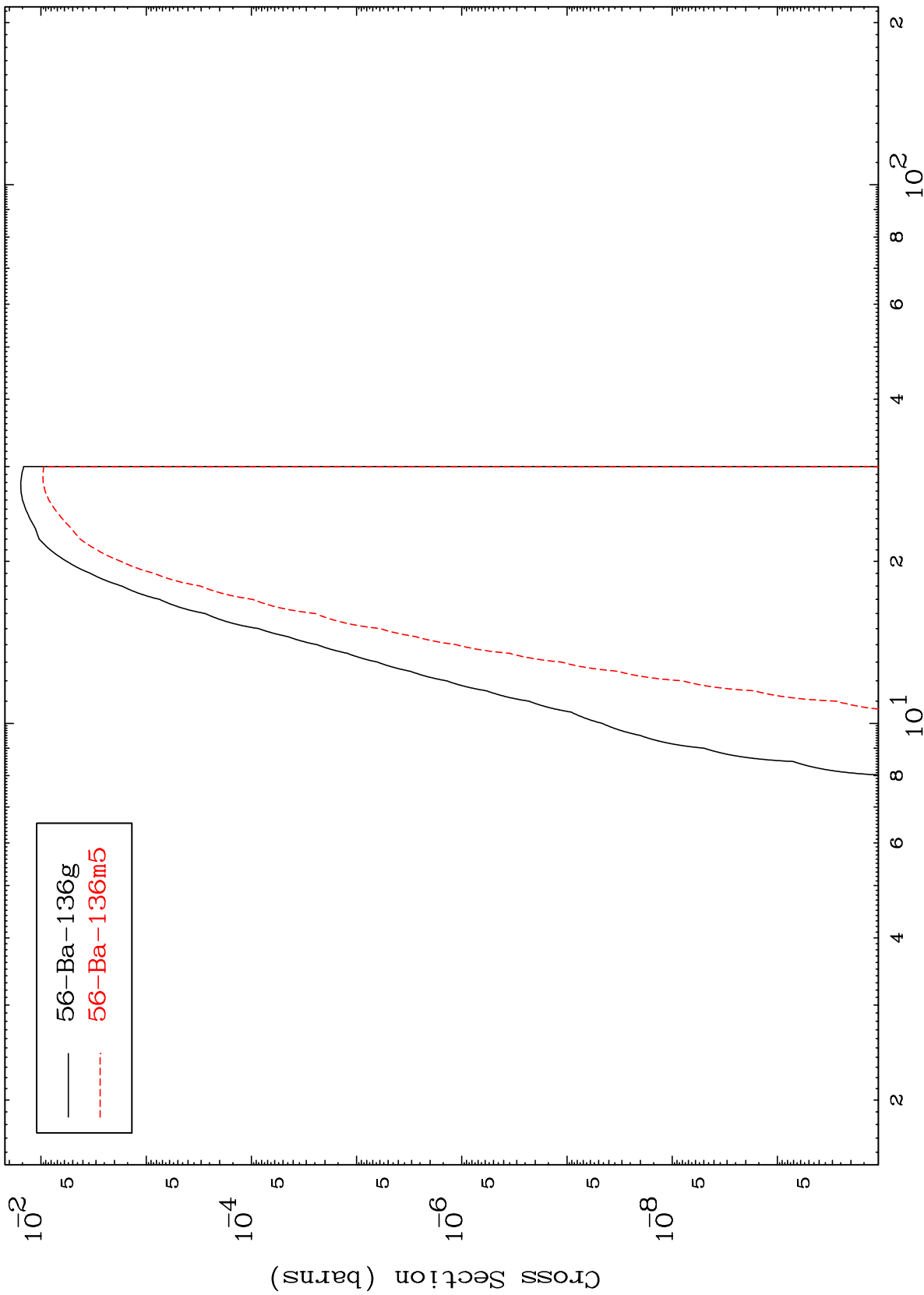
75

MAT 5837

(n,n')  $\alpha$

58-Ce-140

Radionuclide Production Cross Section



76

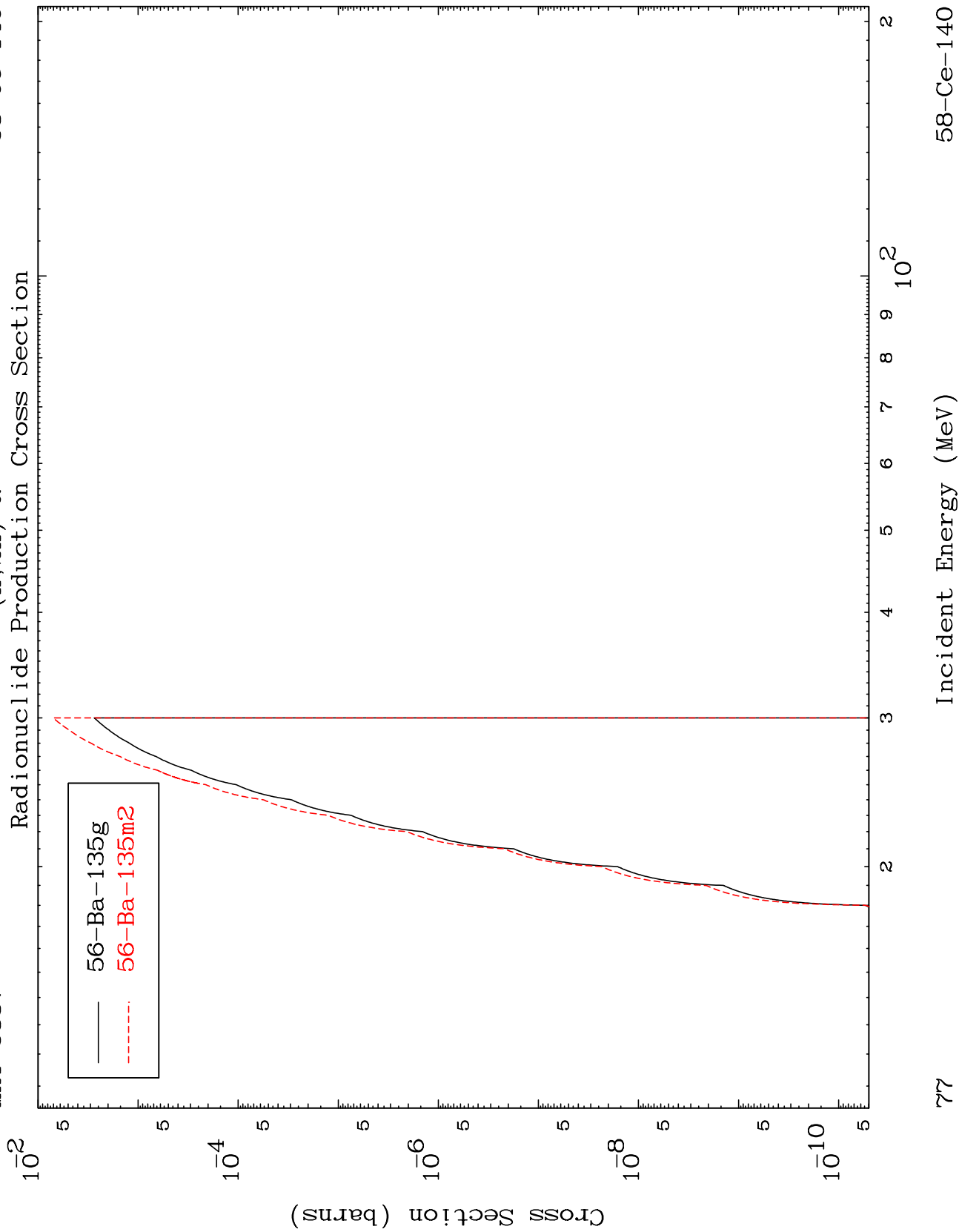
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,2n)  $\alpha$

58-Ce-140

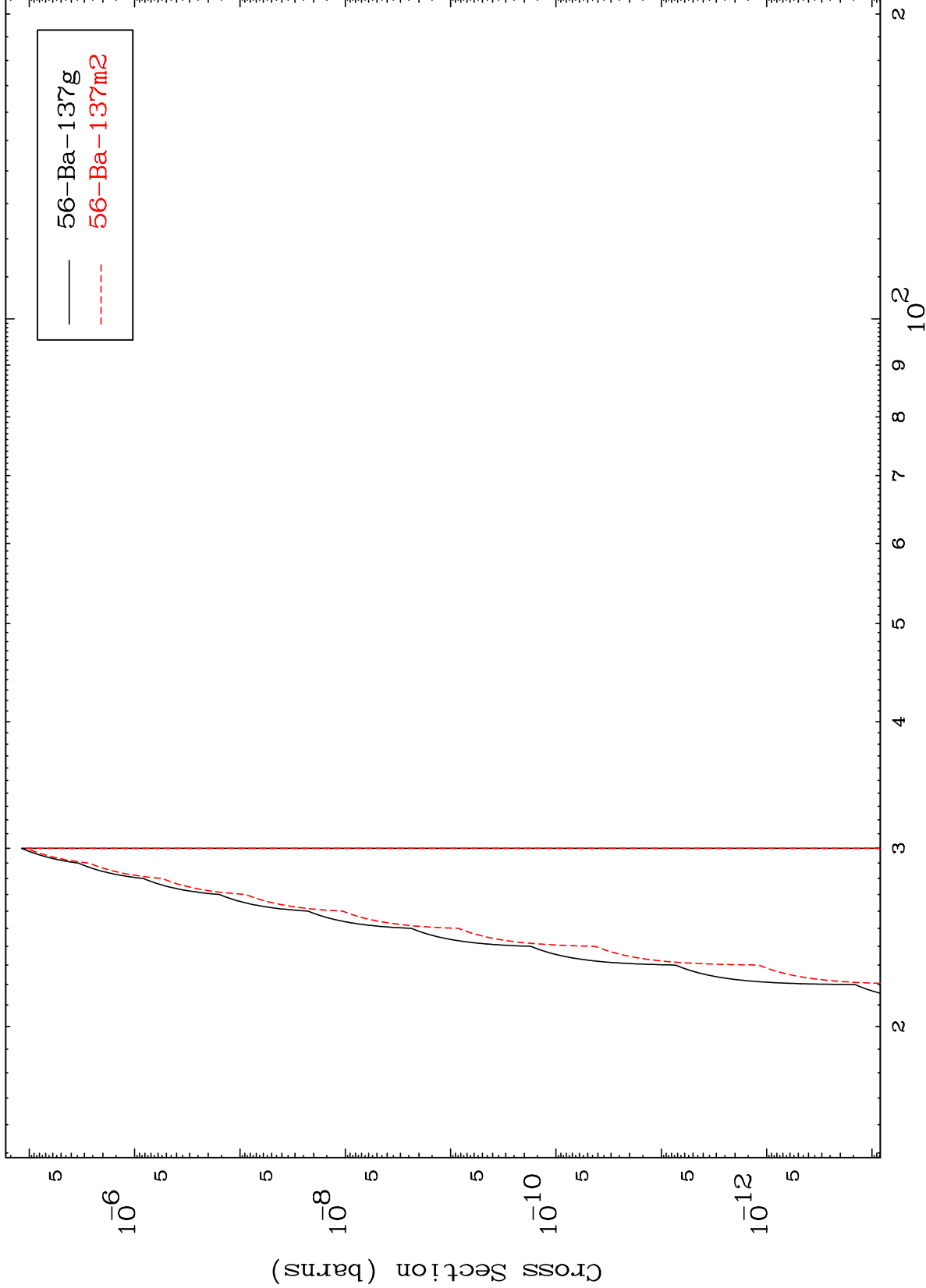


MAT 5837

(n,n') He-3

58-Ce-140

Radionuclide Production Cross Section



78

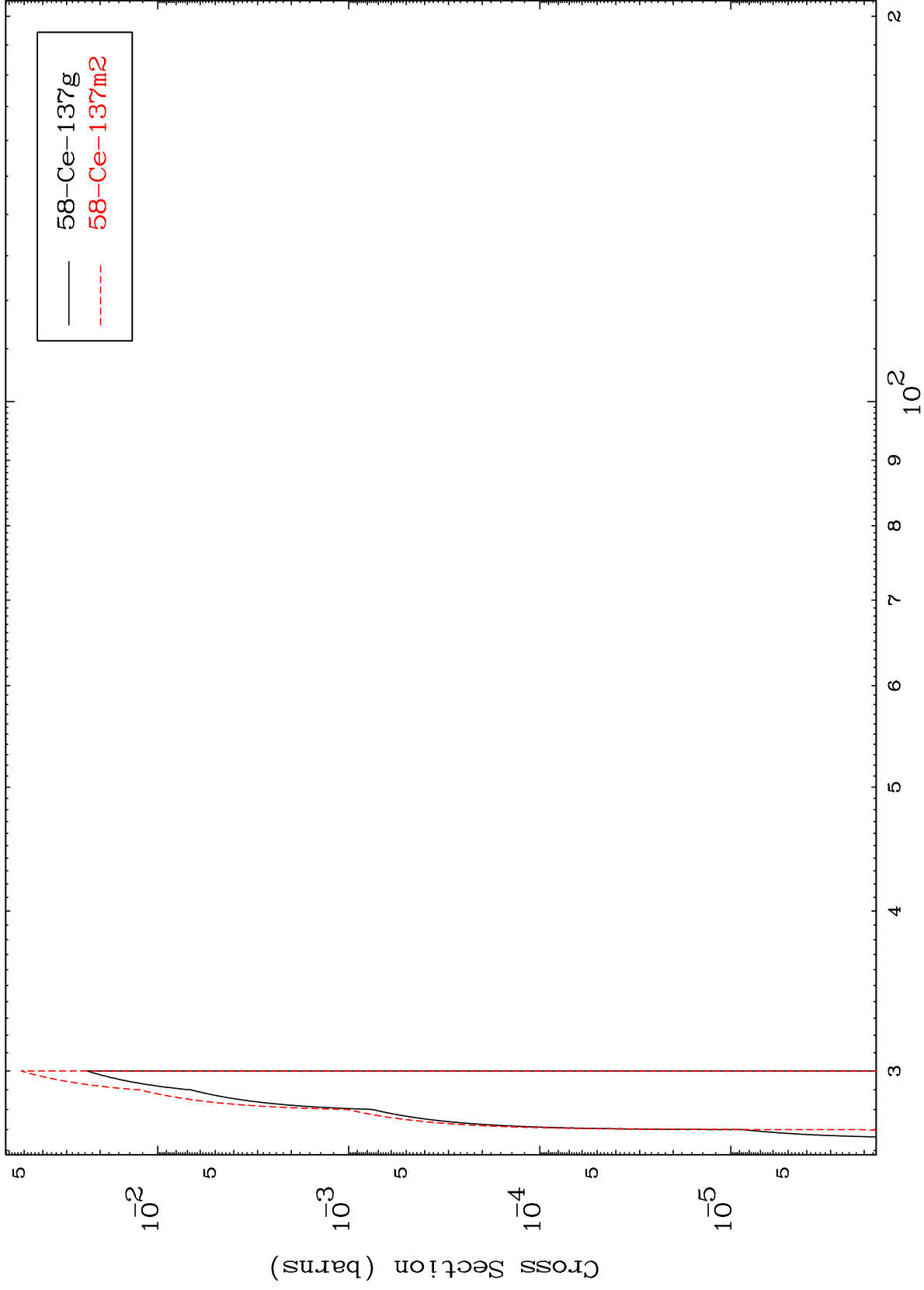
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,4n)  
Radionuclide Production Cross Section



79

Incident Energy (MeV)

58-Ce-140

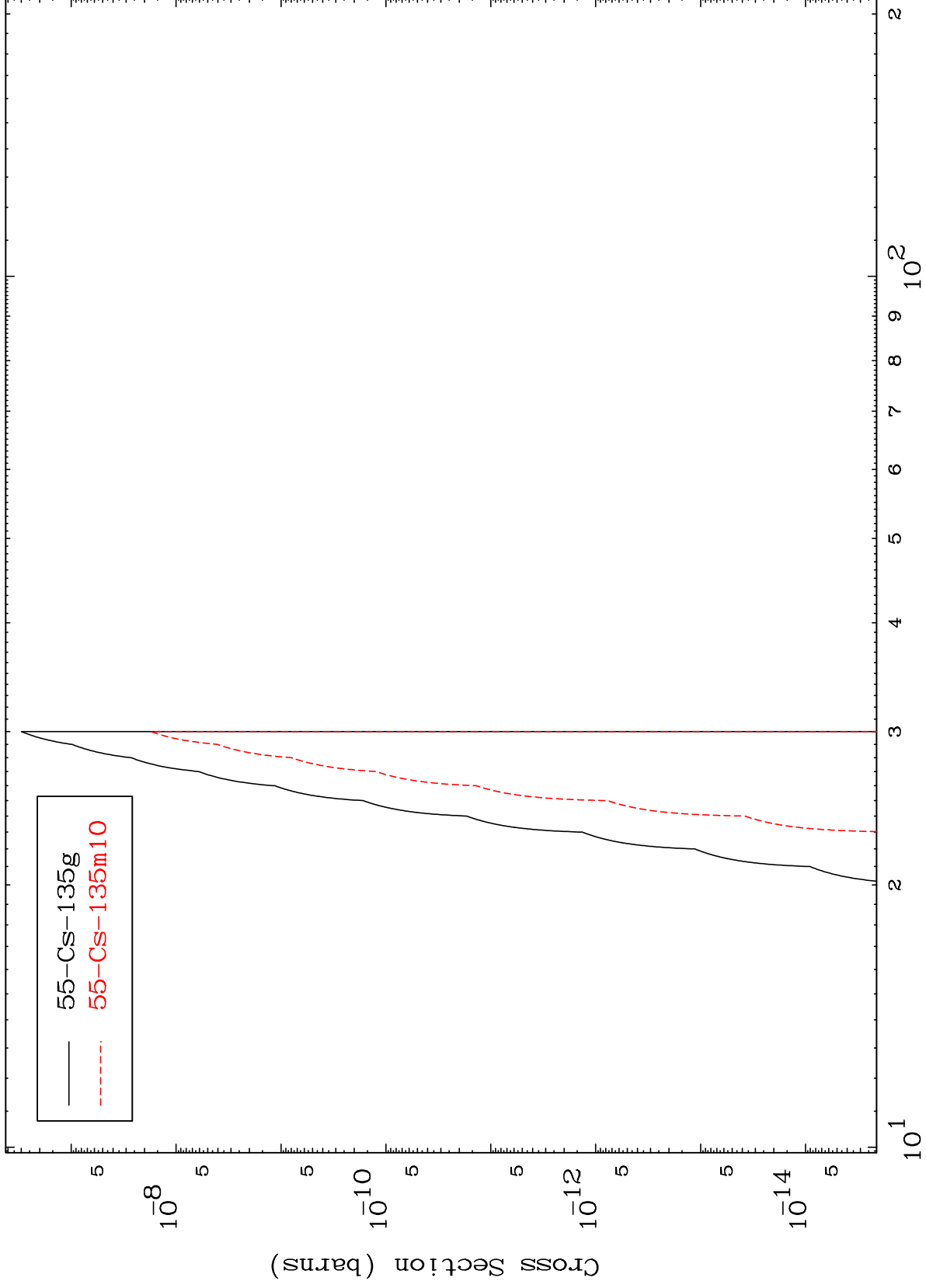


MAT 5837

(n,n') p  $\alpha$

58-Ce-140

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-140

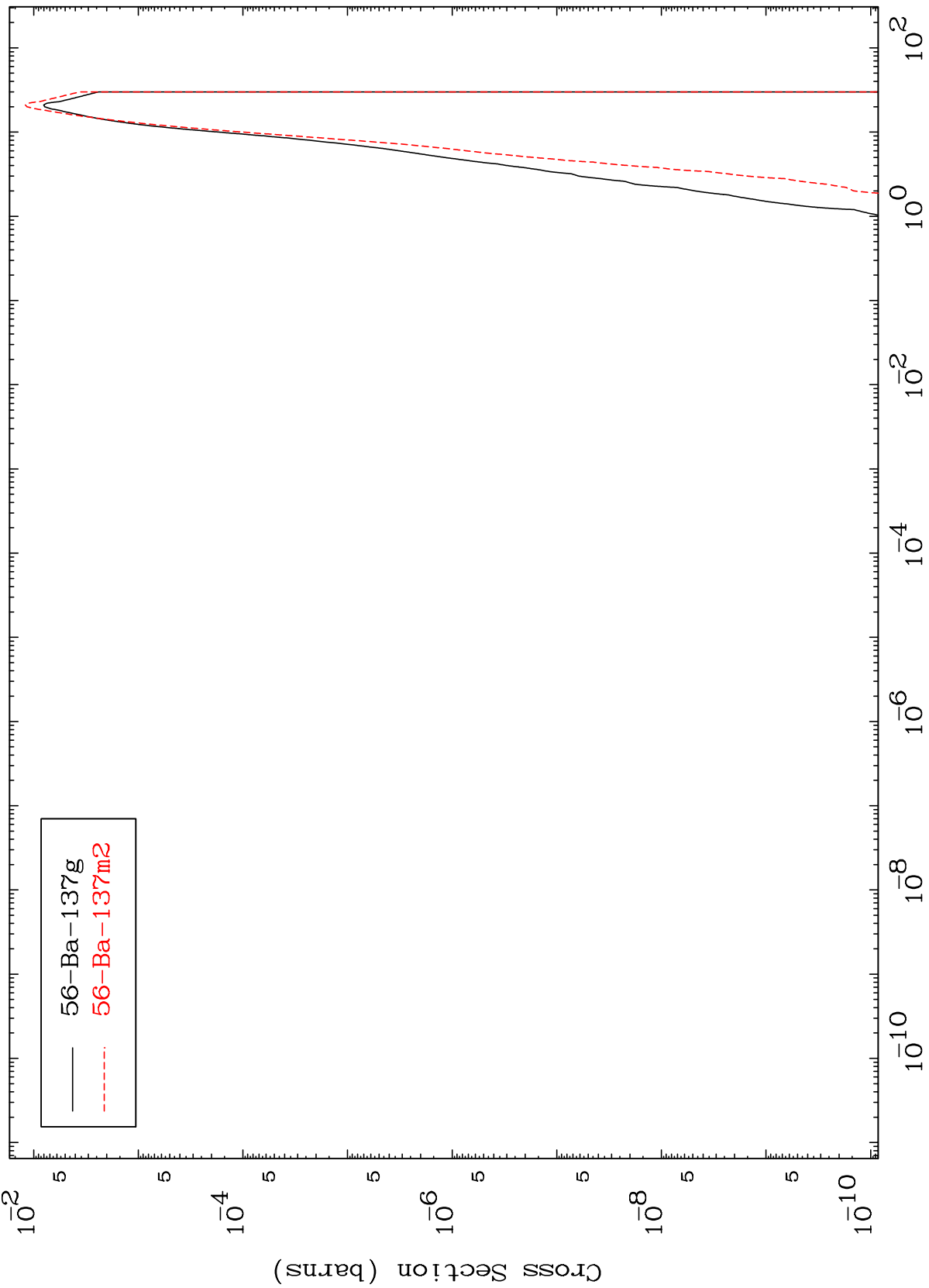
80

MAT 5837

(n,  $\alpha$ )

58-Ce-140

Radionuclide Production Cross Section

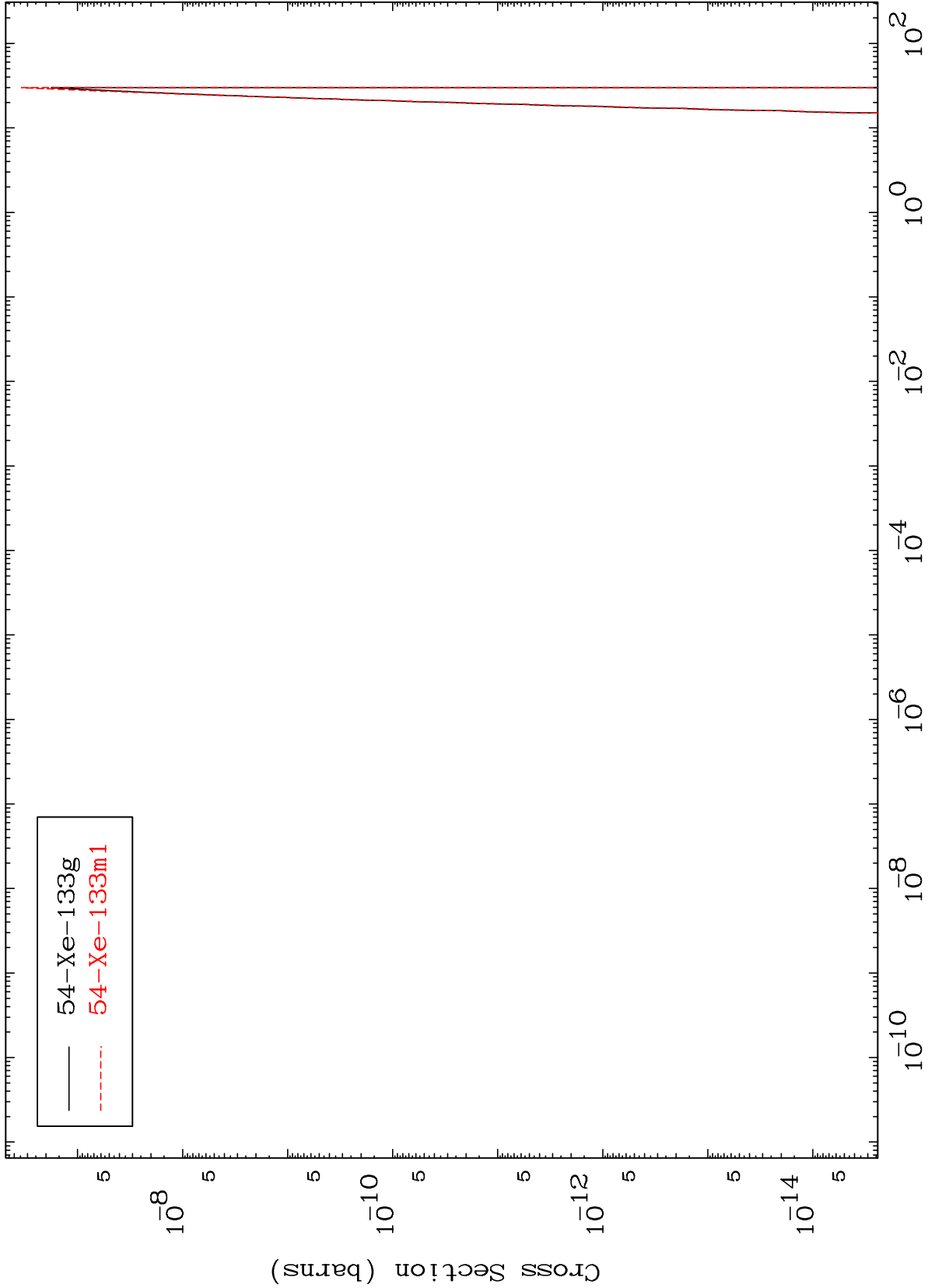


MAT 5837

(n,2α)

58-Ce-140

Radionuclide Production Cross Section

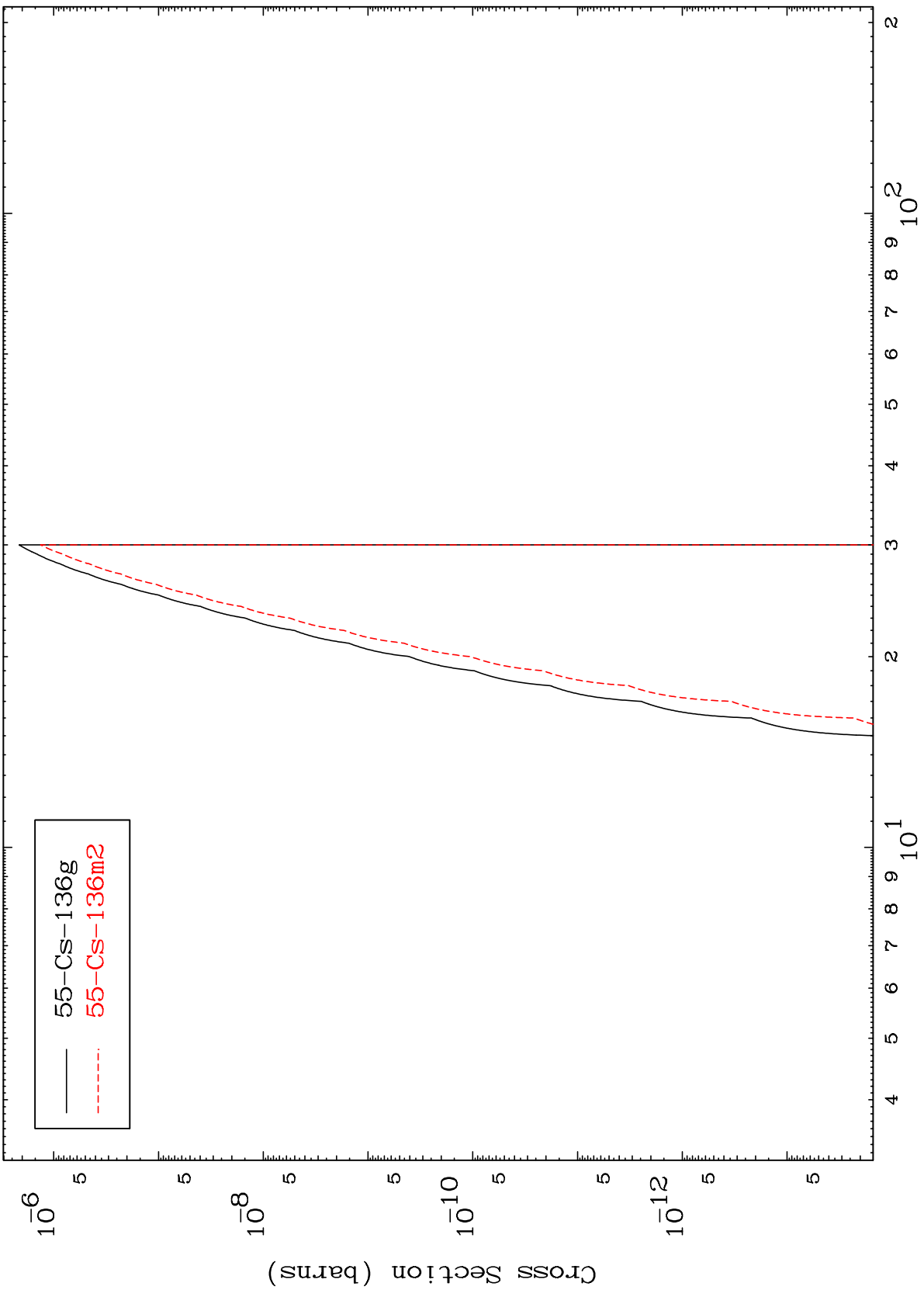


MAT 5837

(n,p)  $\alpha$

58-Ce-140

Radionuclide Production Cross Section

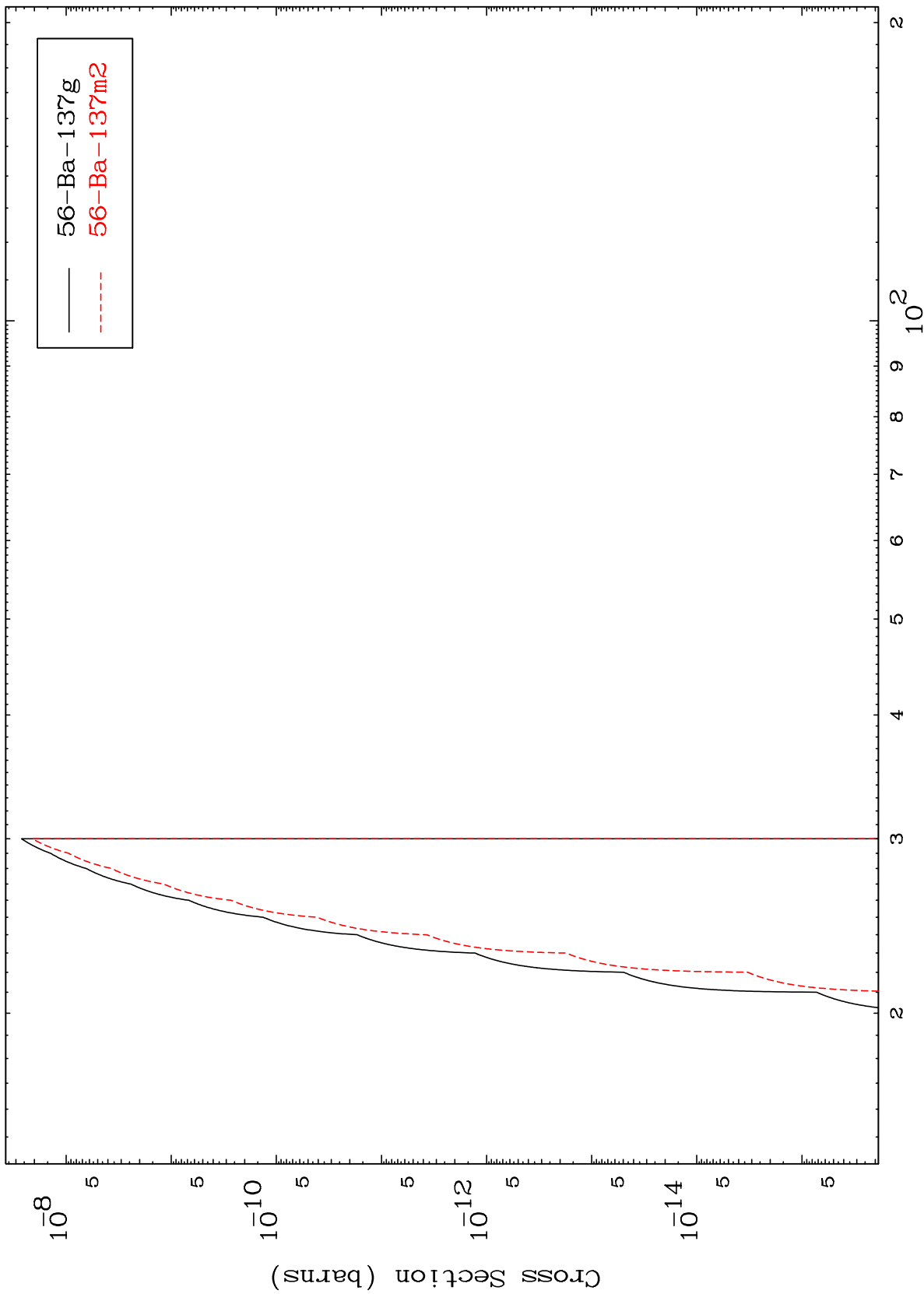


MAT 5837

(n,p) t

58-Ce-140

Radionuclide Production Cross Section



84

Incident Energy (MeV)

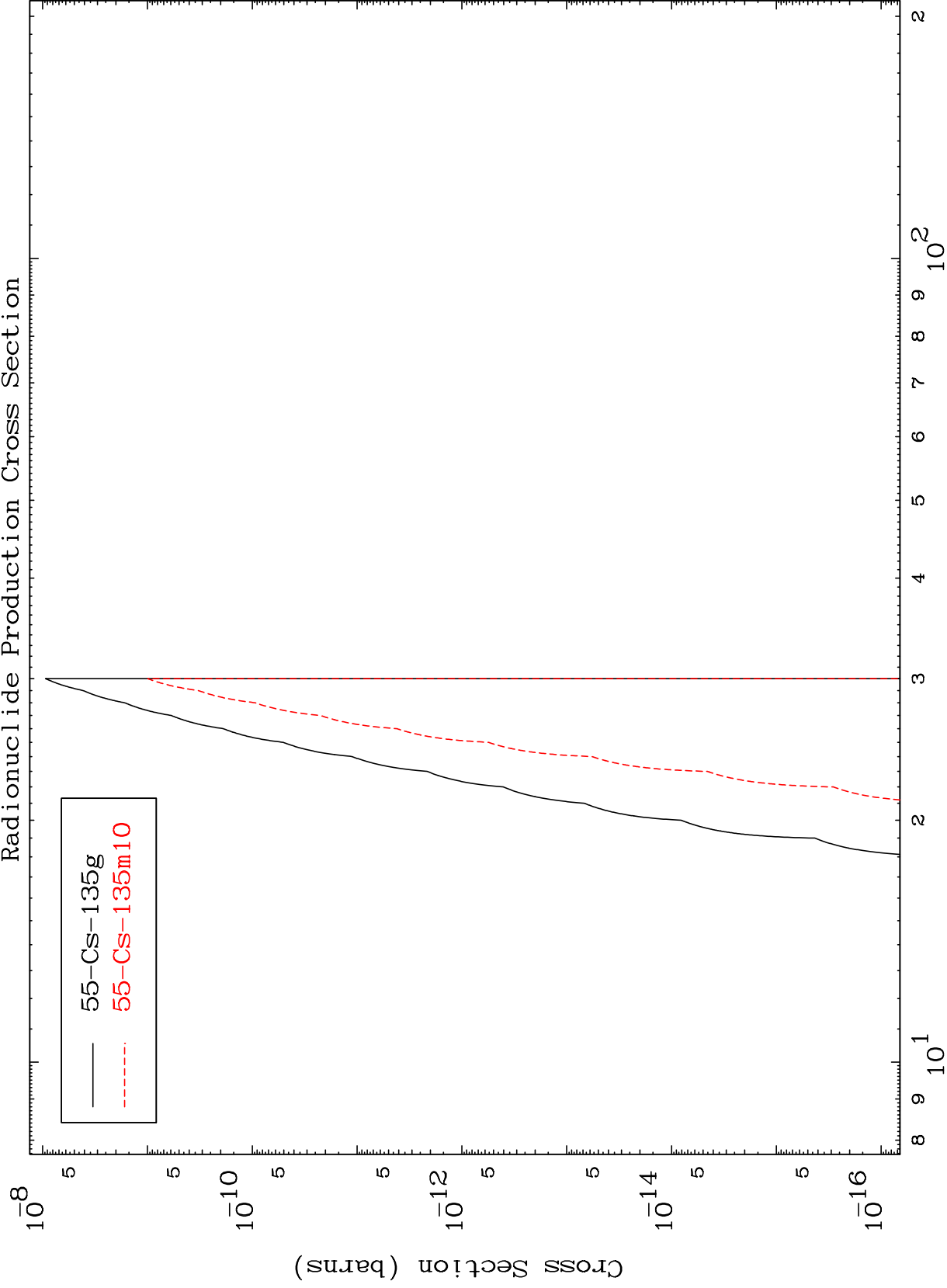
58-Ce-140

MAT 5837

(n,d)  $\alpha$

58-Ce-140

Radionuclide Production Cross Section



85

Incident Energy (MeV)

58-Ce-140