

Program EVALPLOT  
(Version 2018-1)

by

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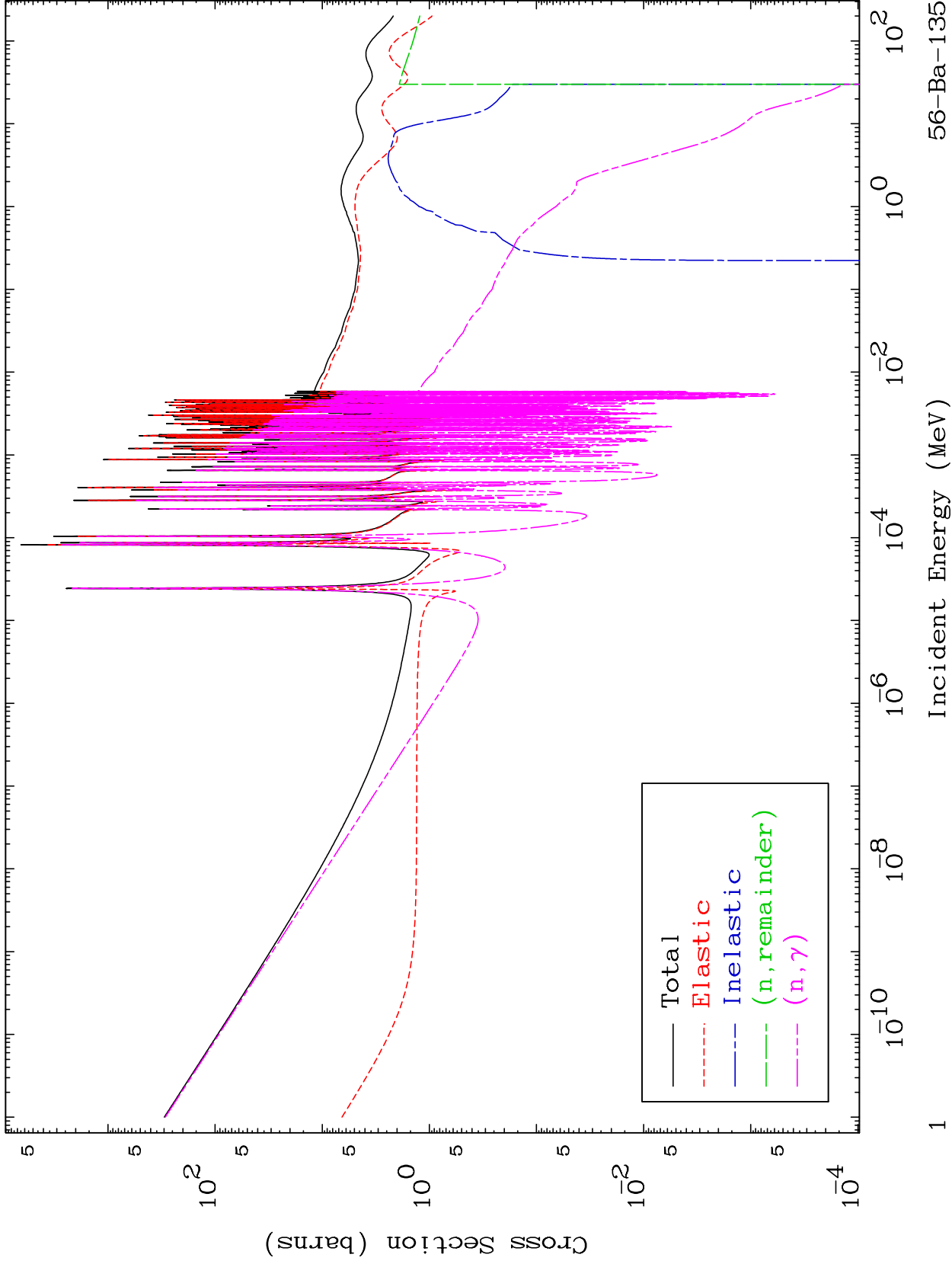
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5640

Major  
293 Kelvin Cross Sections

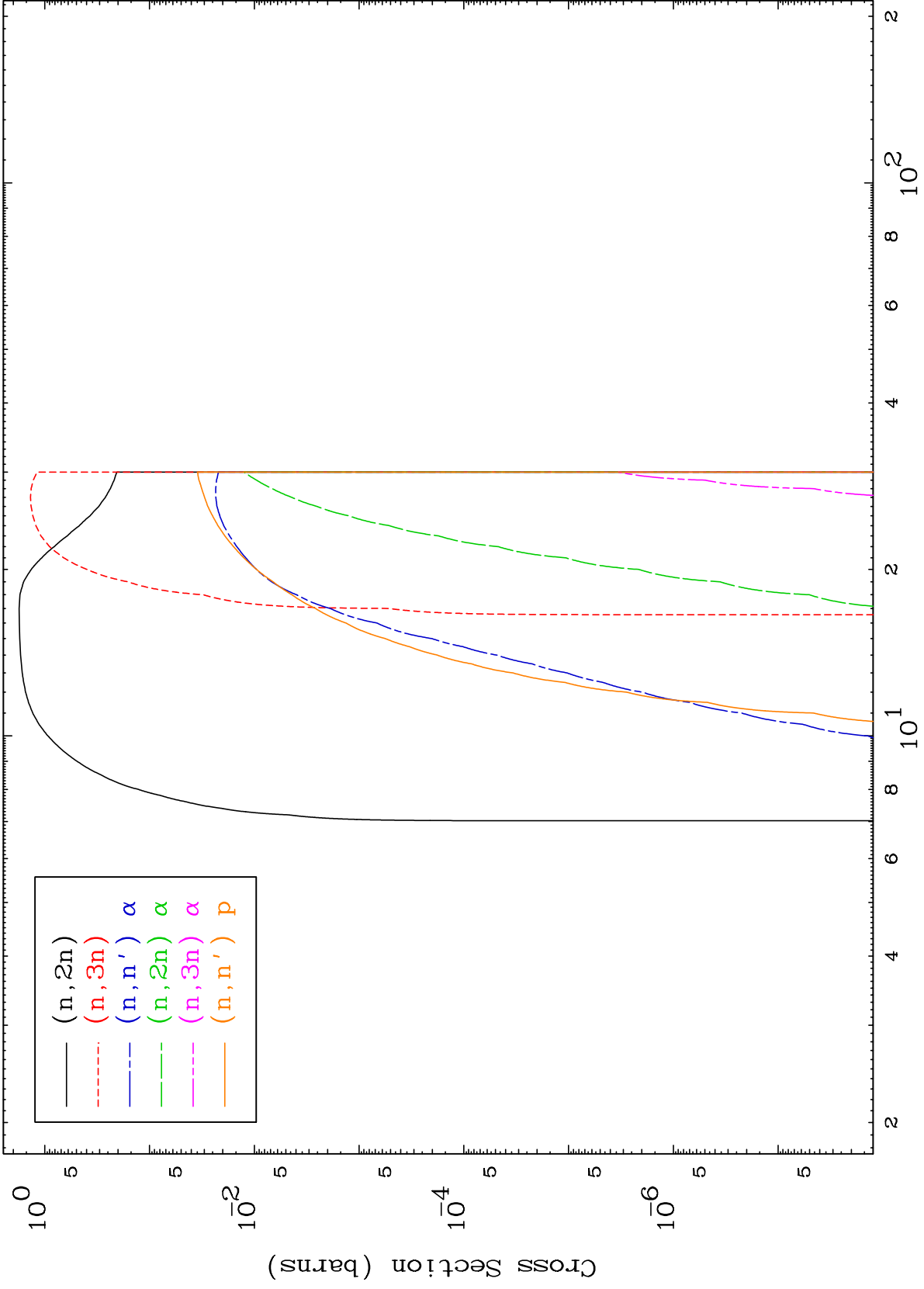
56-Ba-135



MAT 5640

Neutron Production  
293 Kelvin Cross Sections

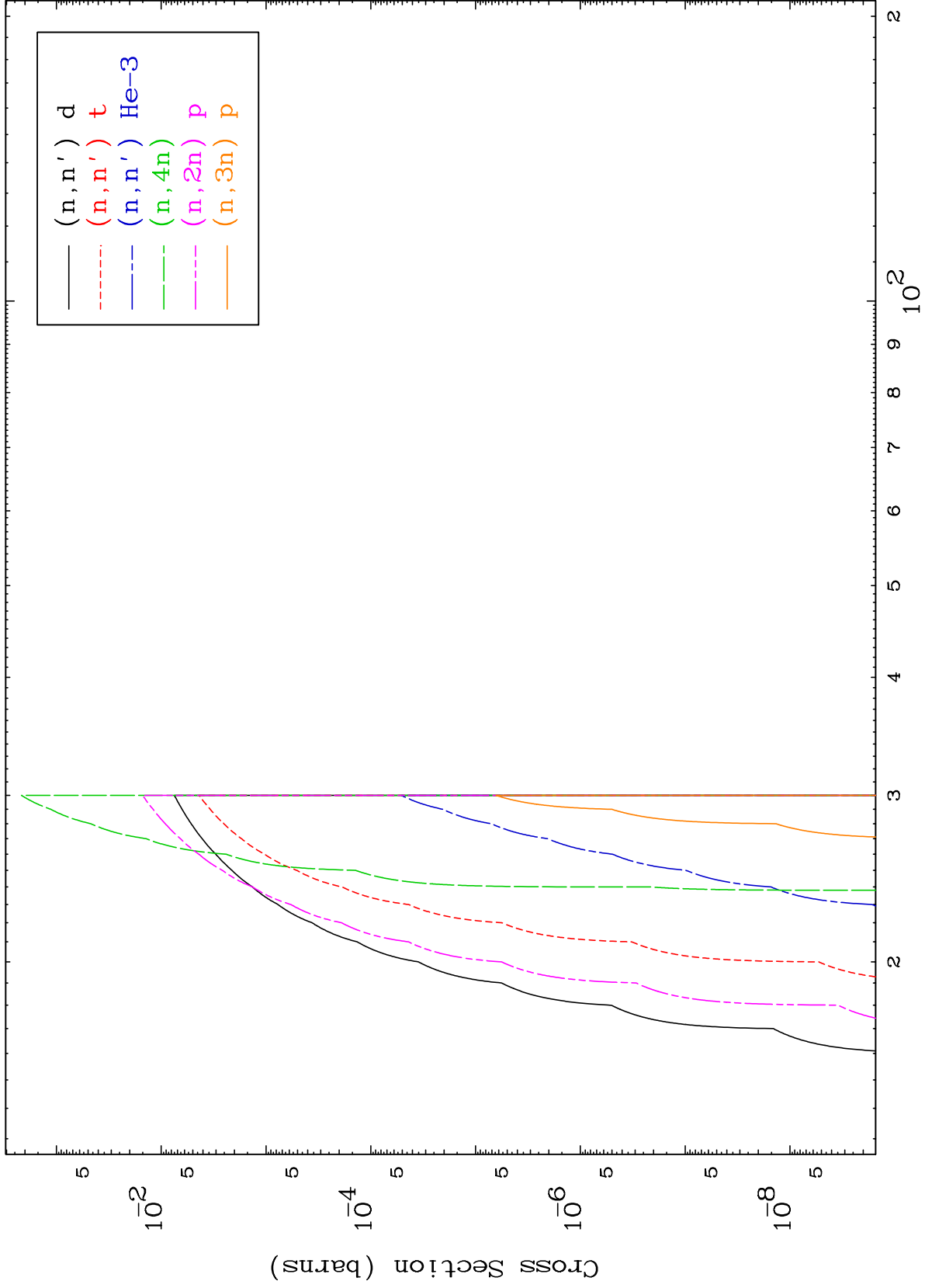
56-Ba-135



2

Incident Energy (MeV)

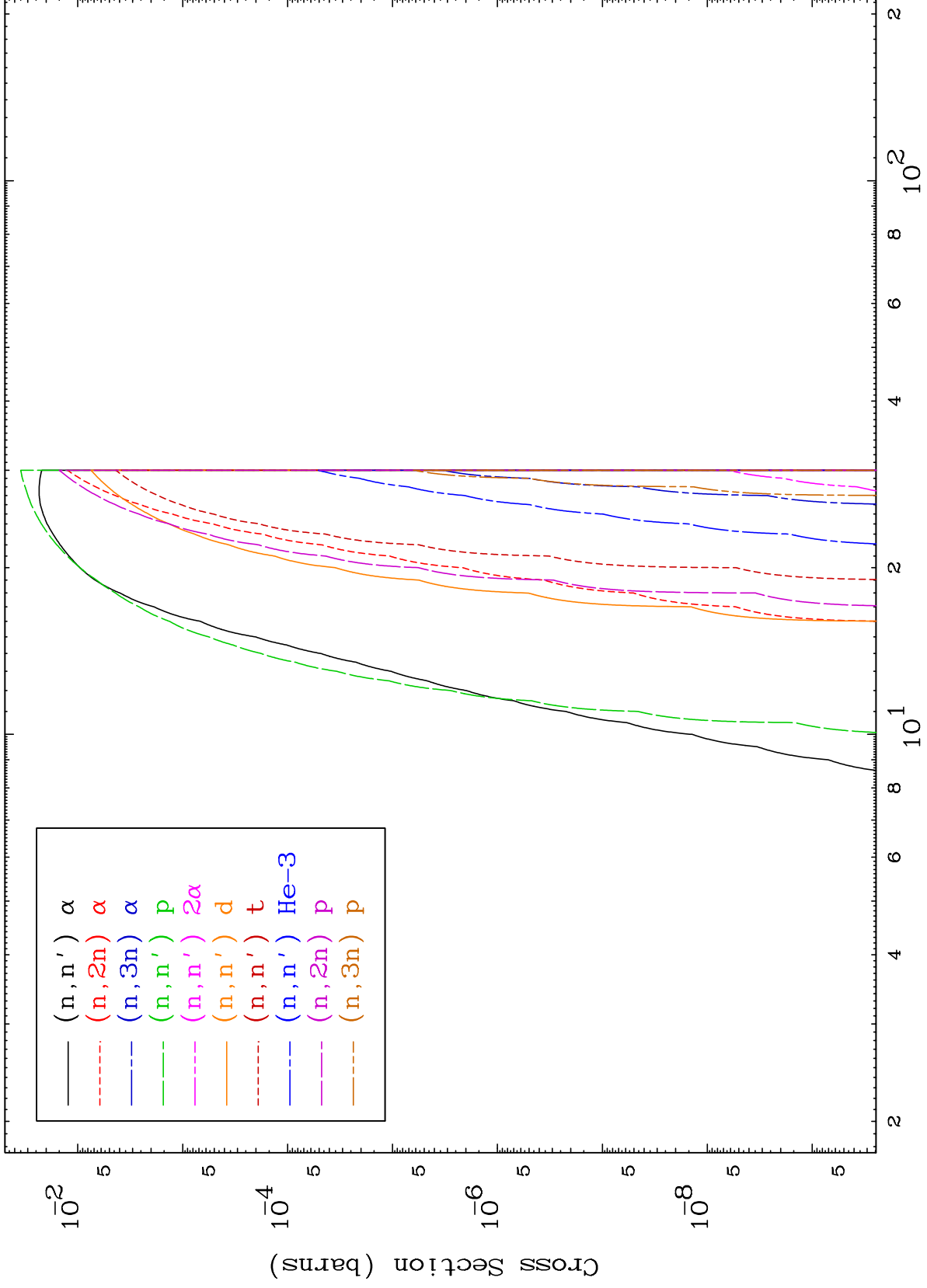
56-Ba-135



MAT 5640

Charged Particle  
293 Kelvin Cross Sections

56-Ba-135



4

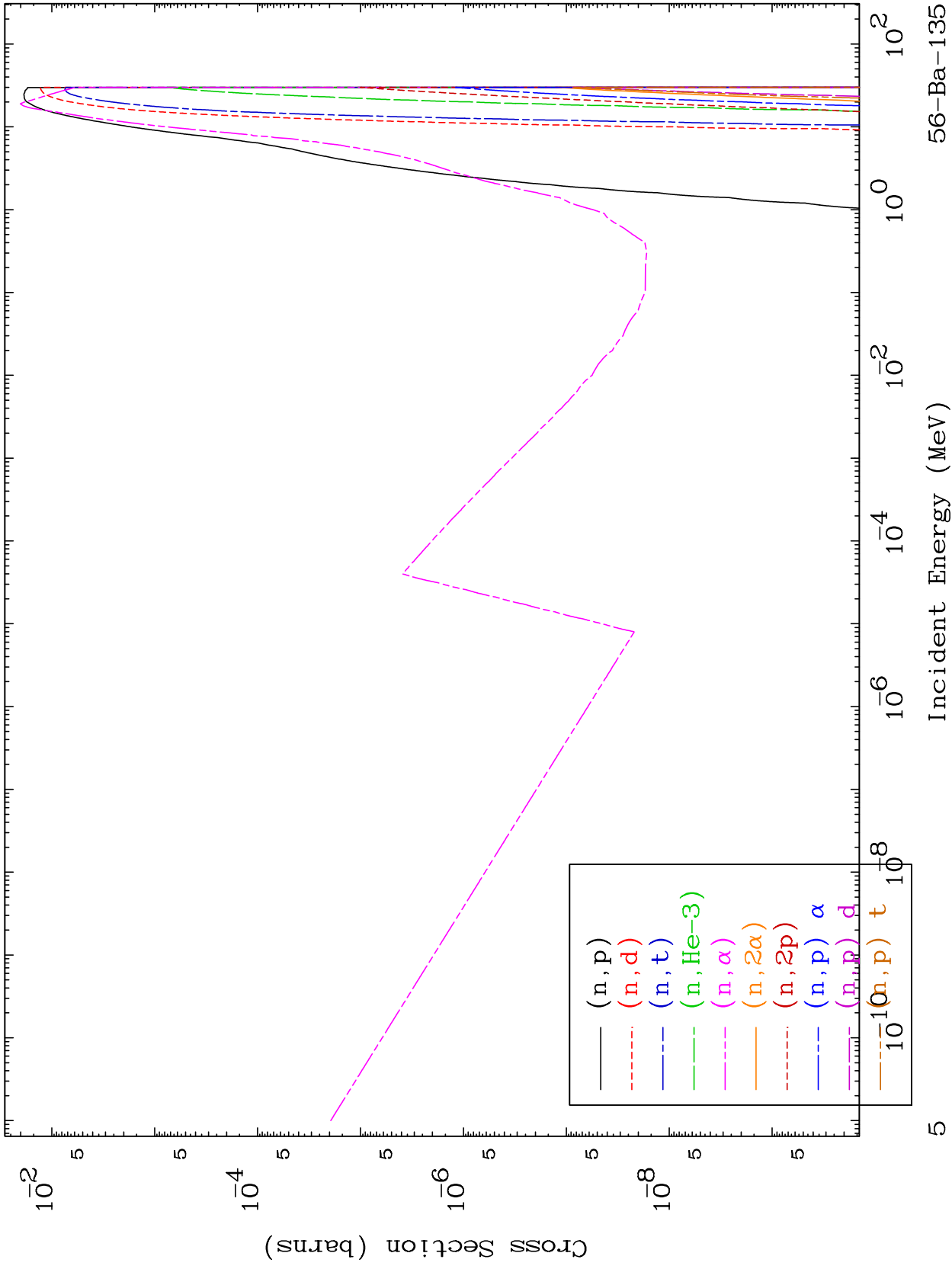
Incident Energy (MeV)

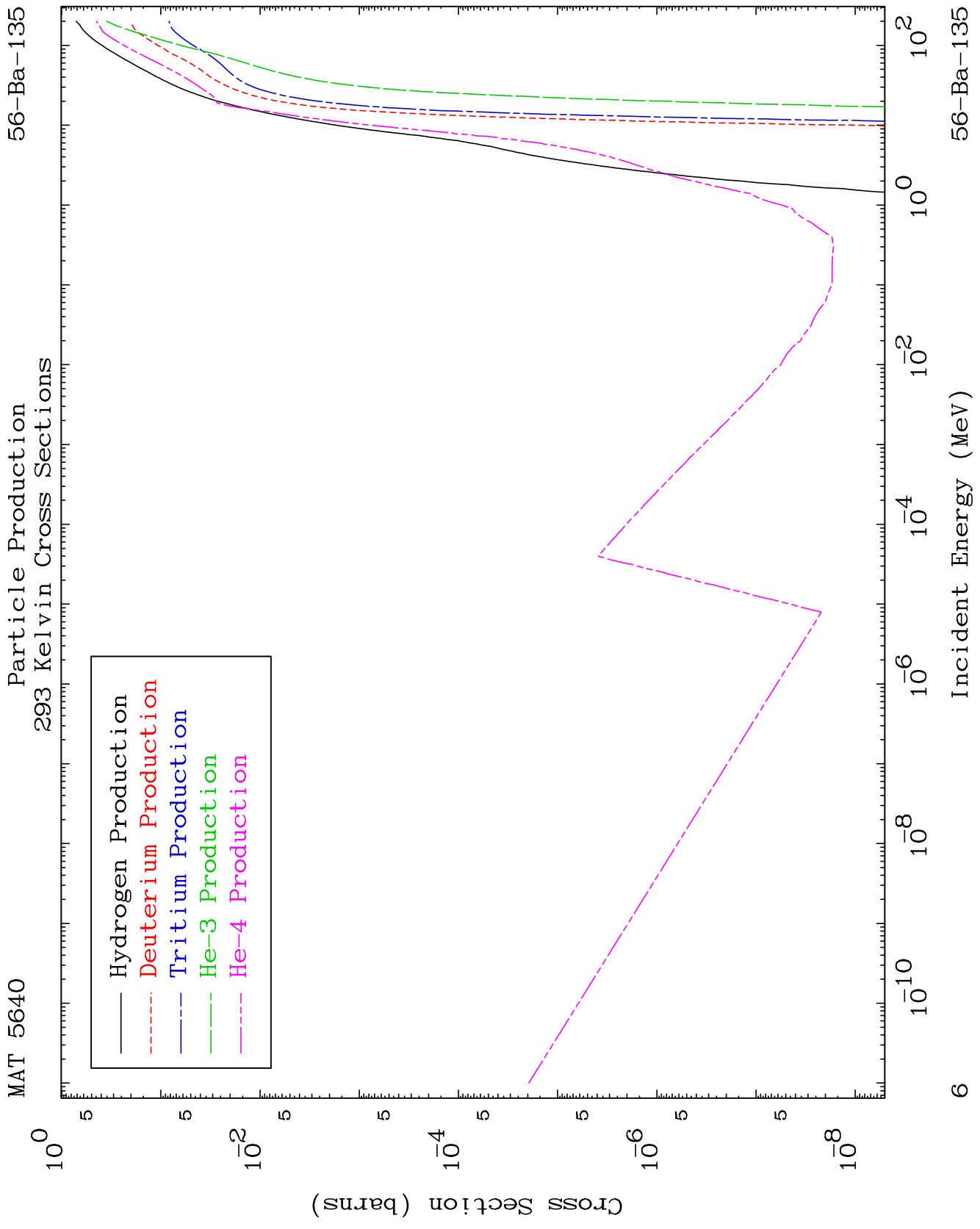
56-Ba-135

MAT 5640

Charged Particle  
293 Kelvin Cross Sections

56-Ba-135



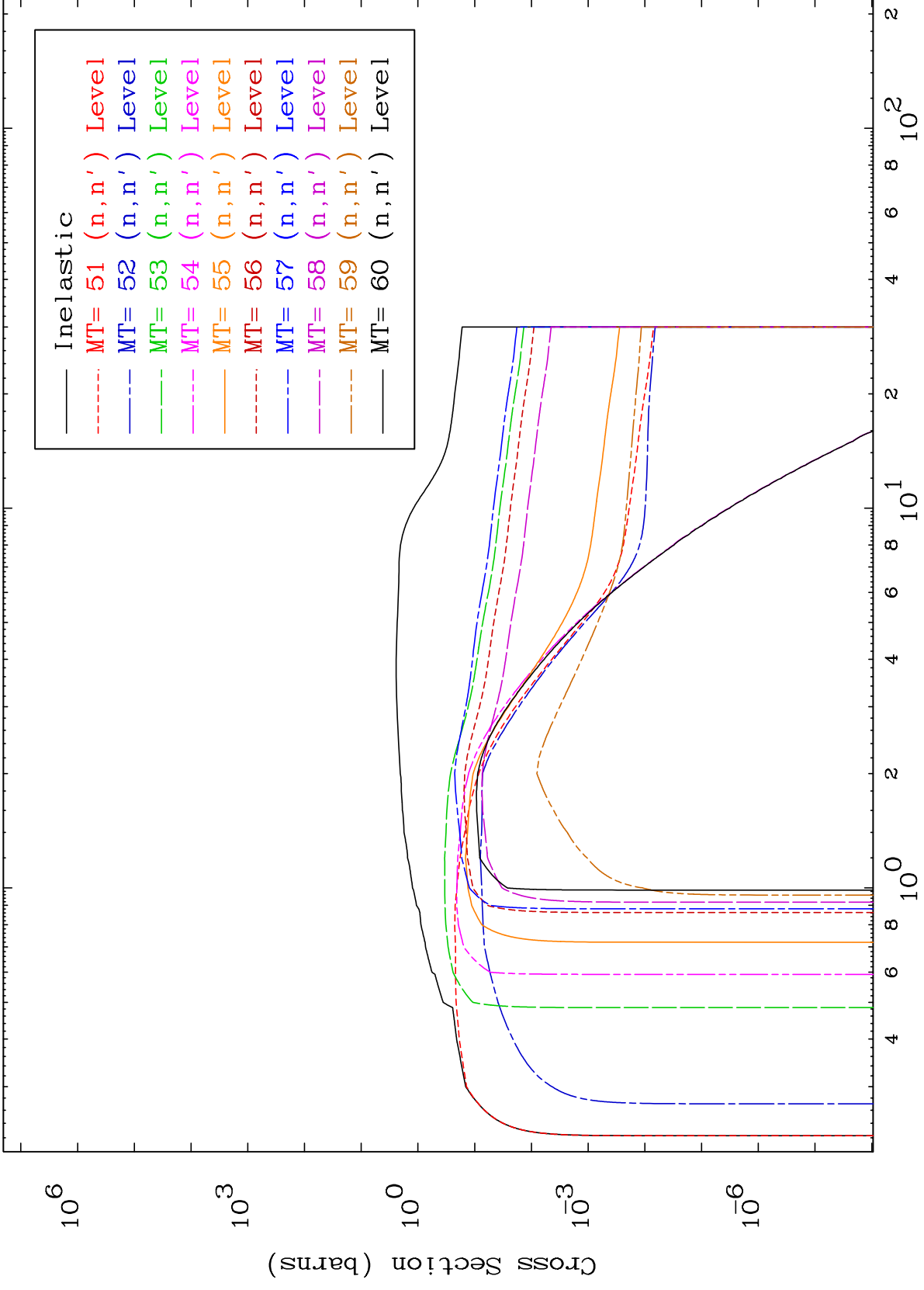


MAT 5640

(n,n') Level

56-Ba-135

293 Kelvin Cross Sections

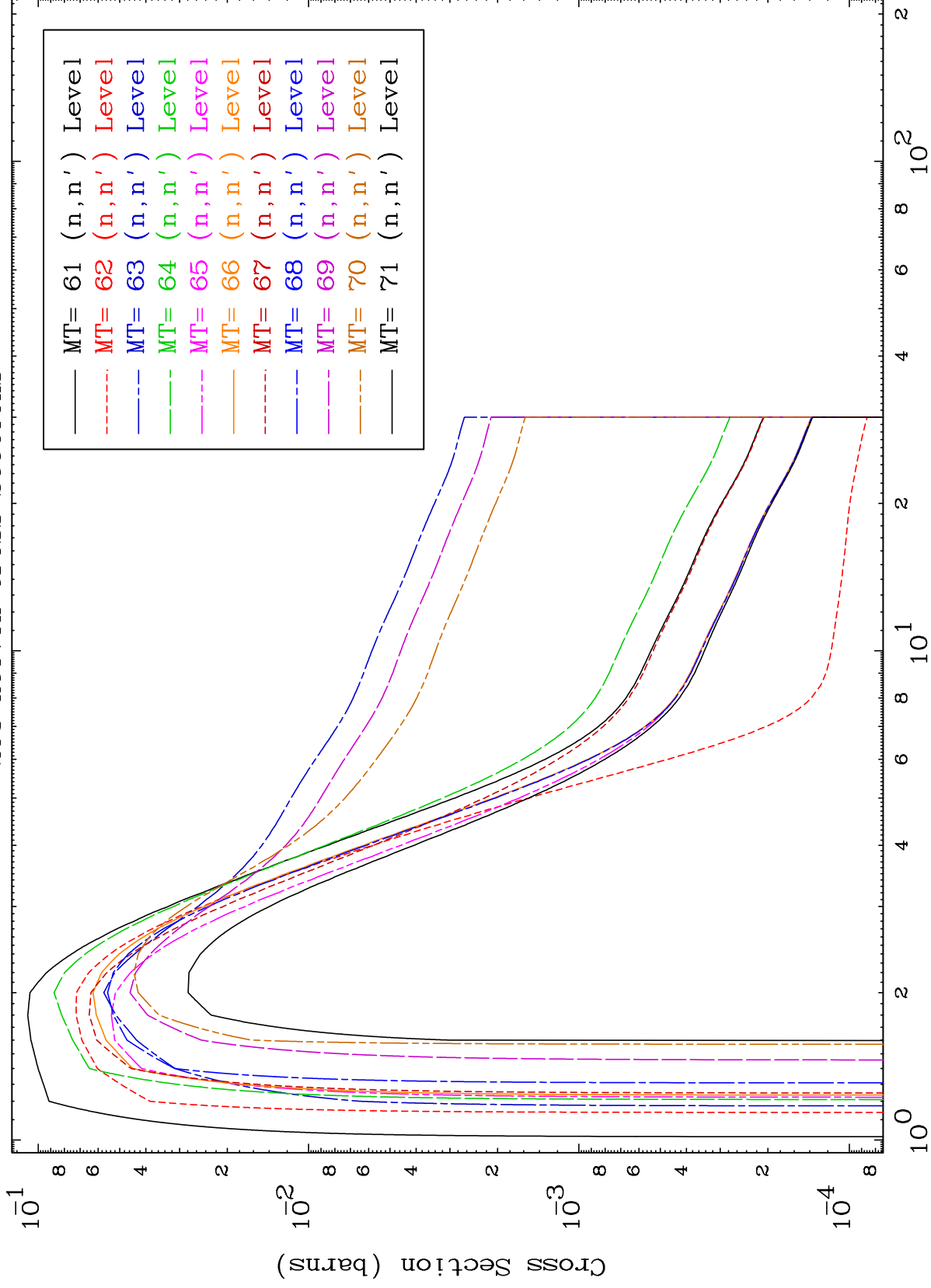


MAT 5640

(n,n') Level

56-Ba-135

293 Kelvin Cross Sections



Incident Energy (MeV)

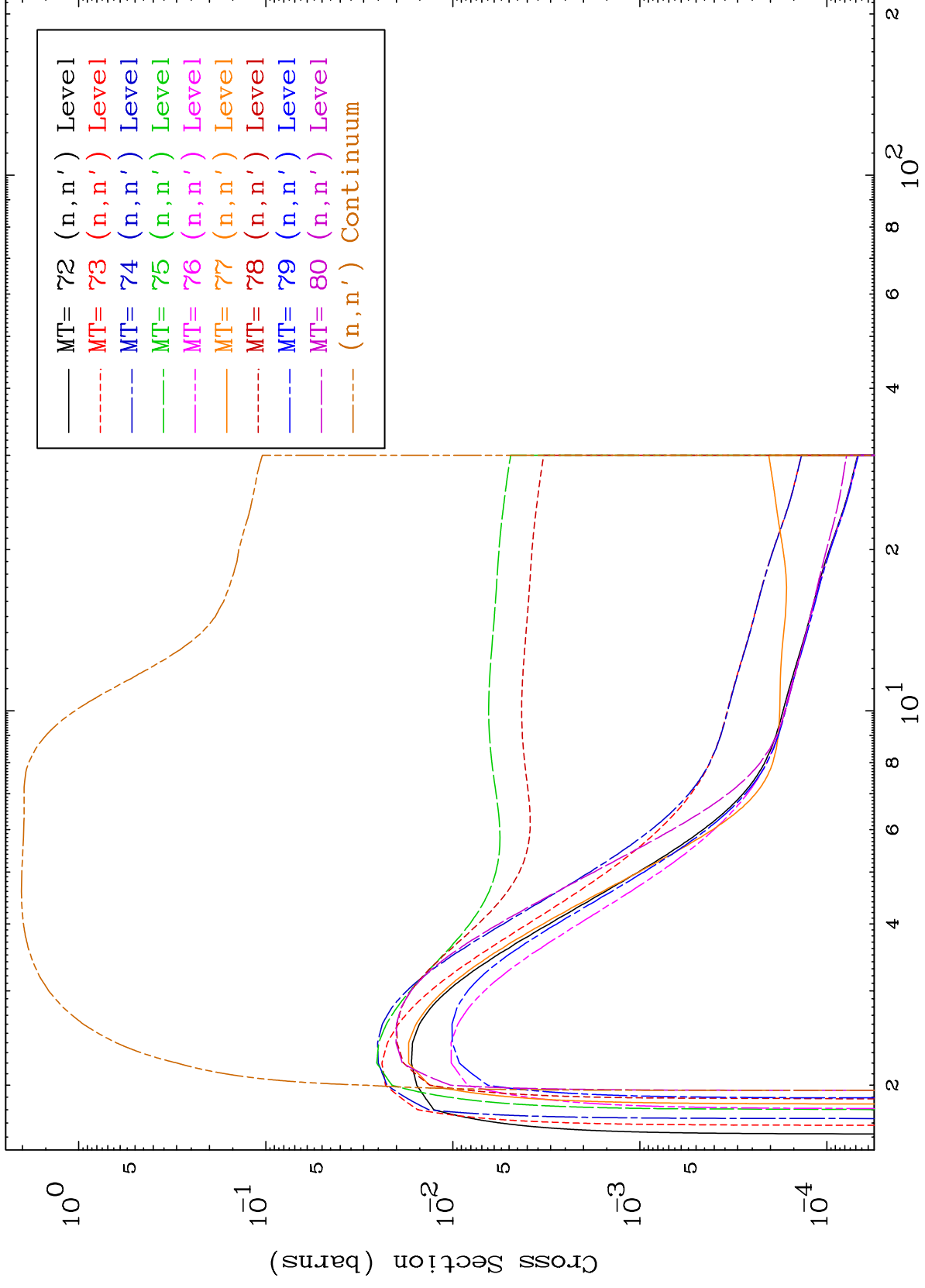
56-Ba-135

MAT 5640

(n,n') Level

56-Ba-135

293 Kelvin Cross Sections



9

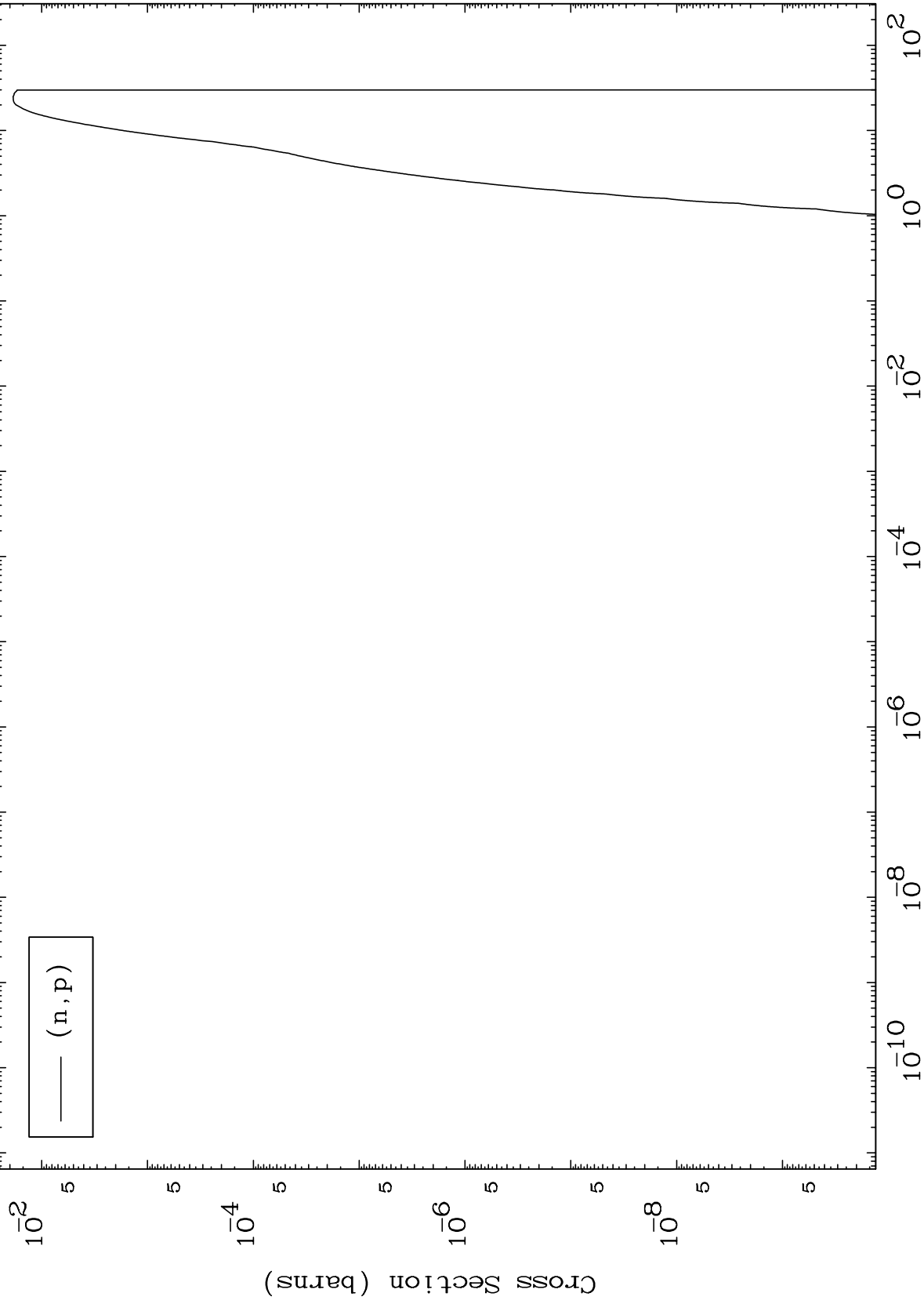
Incident Energy (MeV)

56-Ba-135

MAT 5640

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-135



10

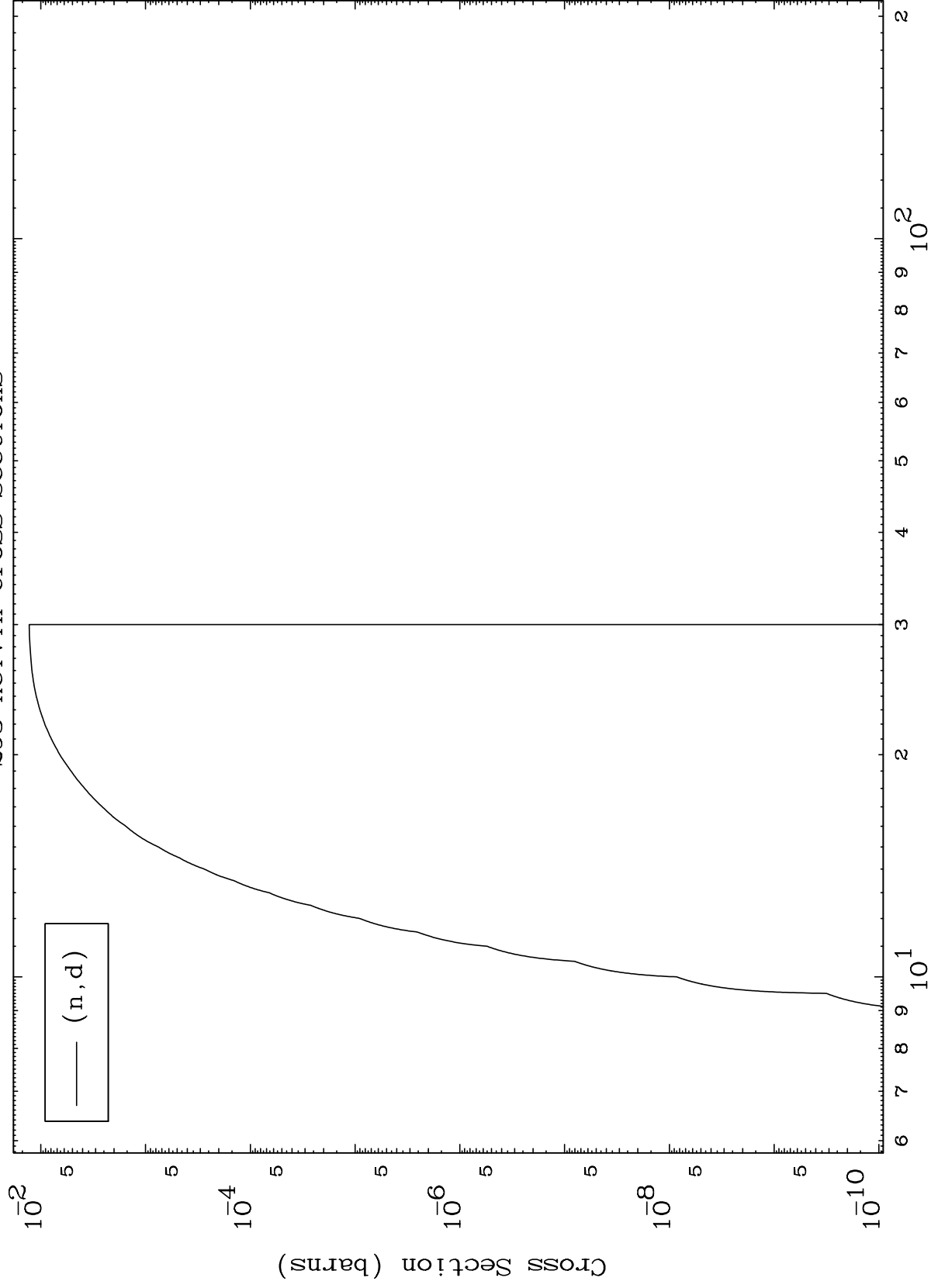
Incident Energy (MeV)

56-Ba-135

MAT 5640

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-135



11

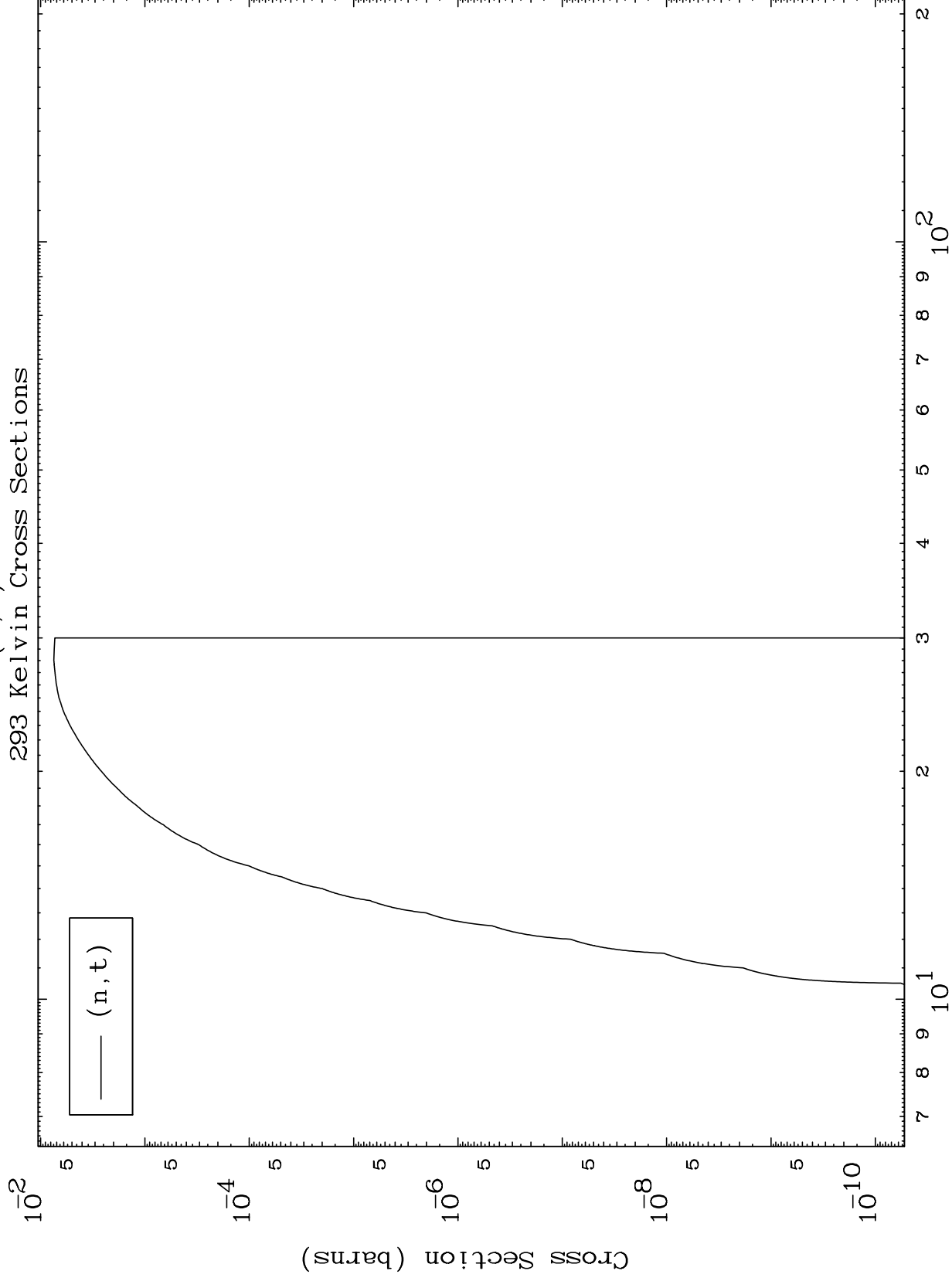
Incident Energy (MeV)

56-Ba-135

MAT 5640

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-135



12

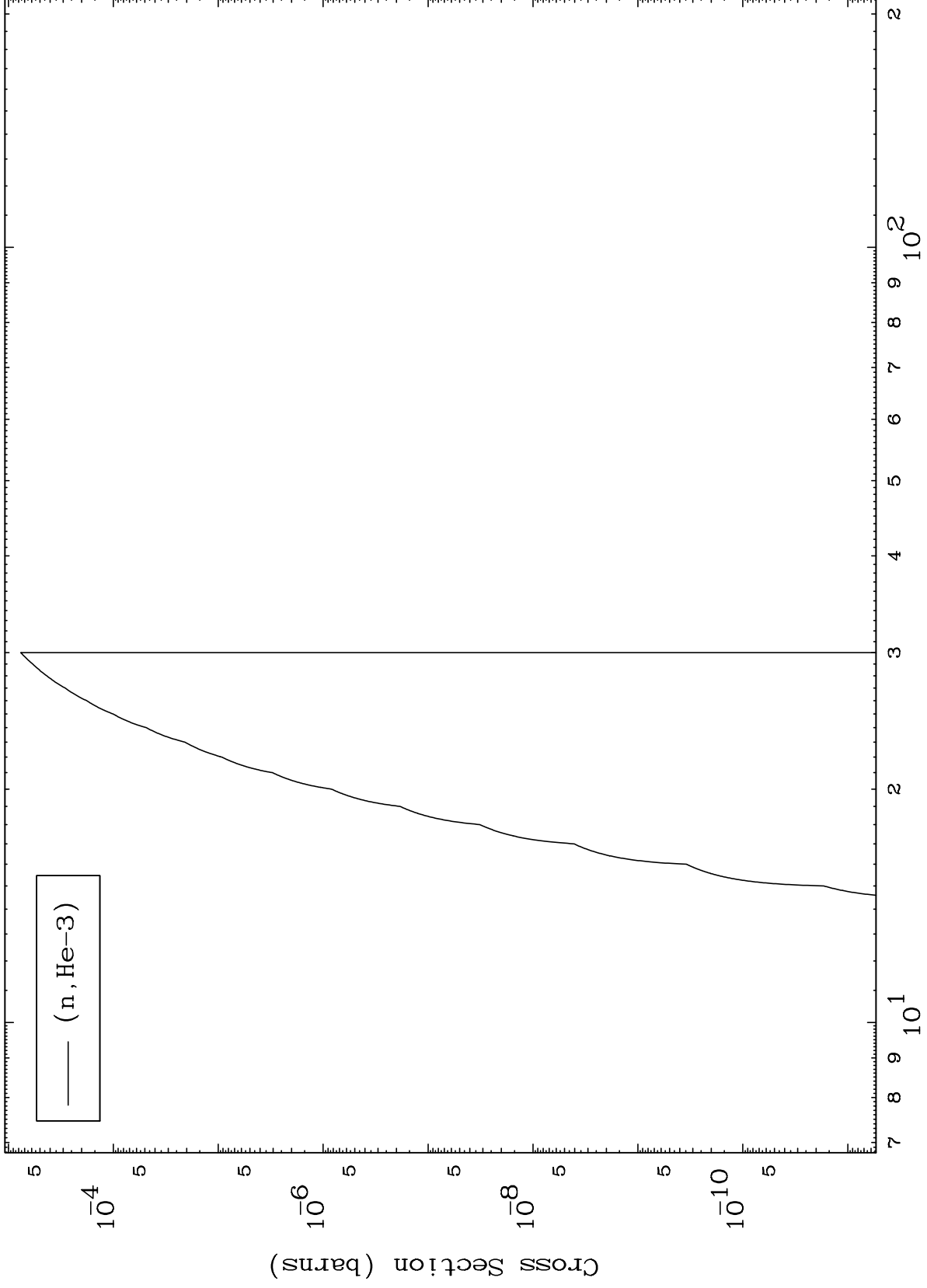
Incident Energy (MeV)

56-Ba-135

MAT 5640

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-135



13

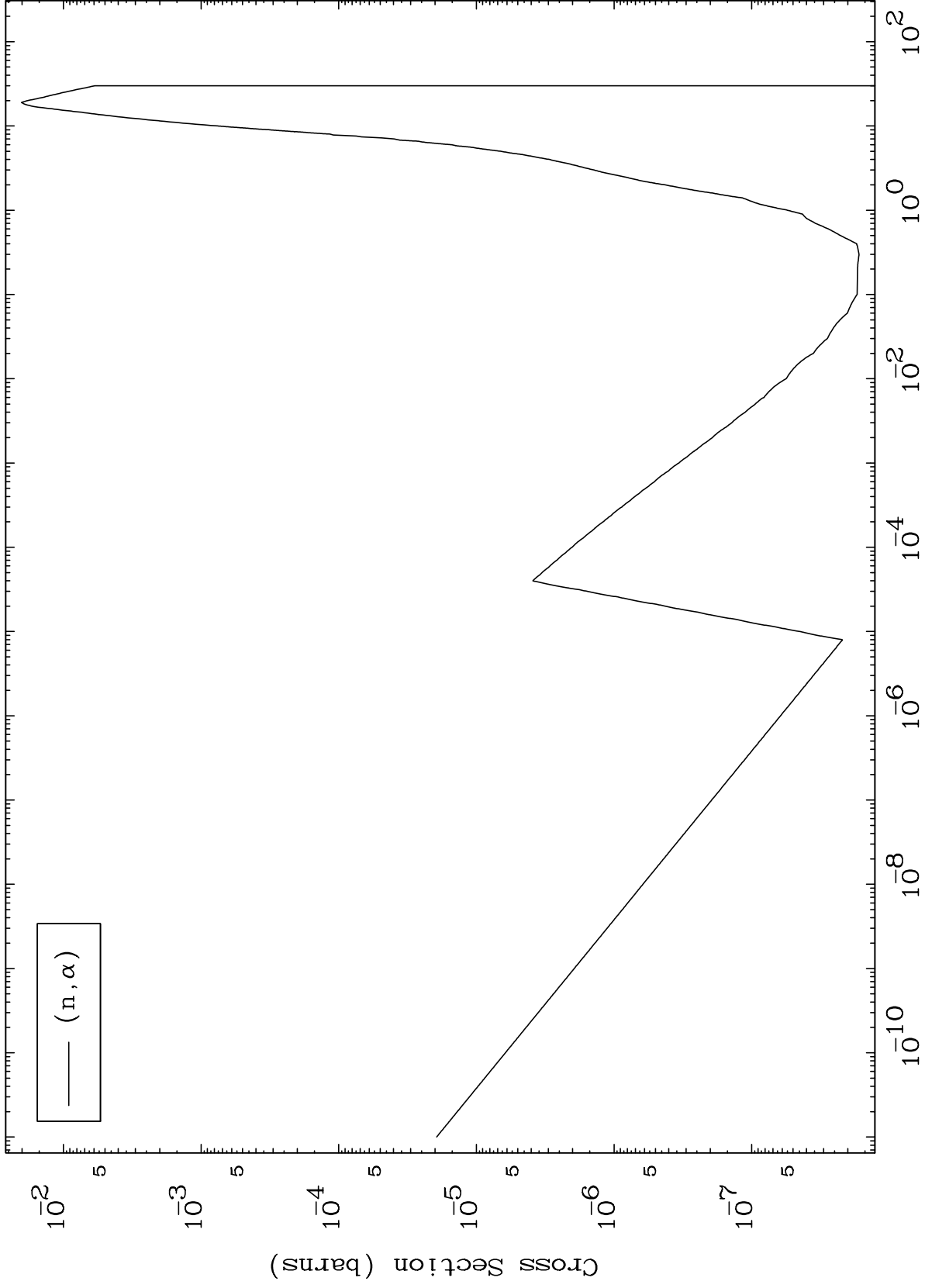
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

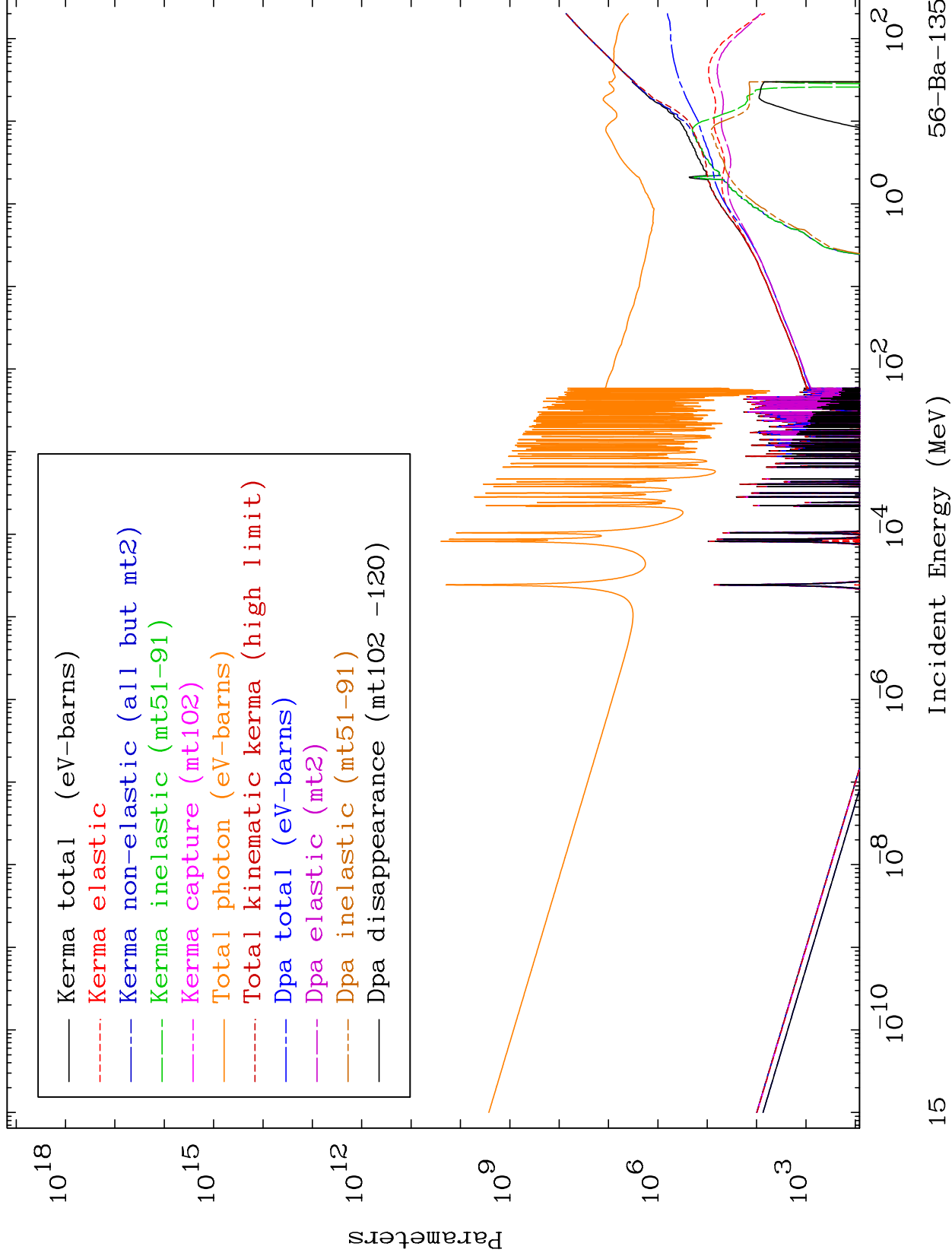
56-Ba-135



14

Incident Energy (MeV)

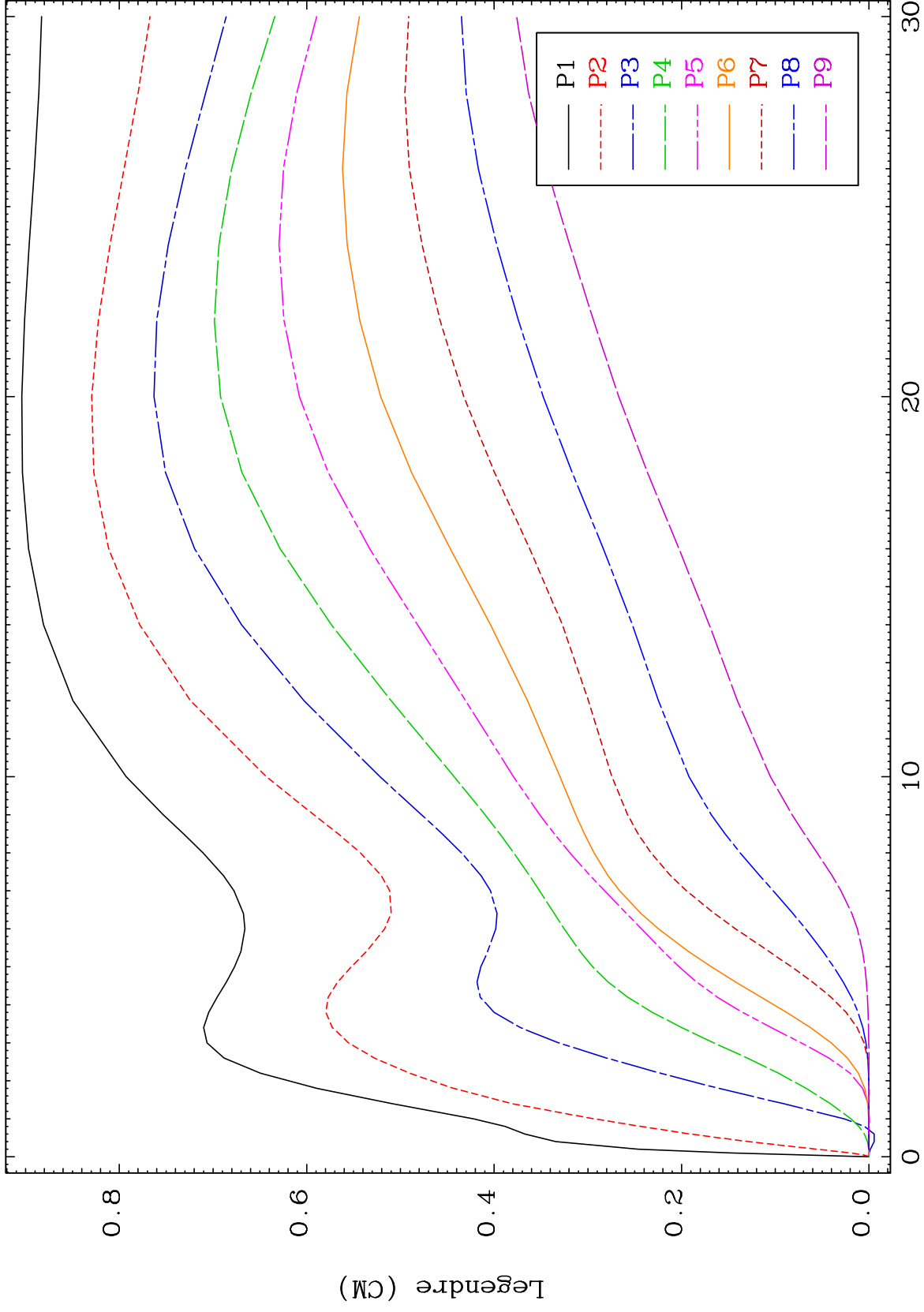
56-Ba-135



MAT 5640

Elastic Legendre Coefficients

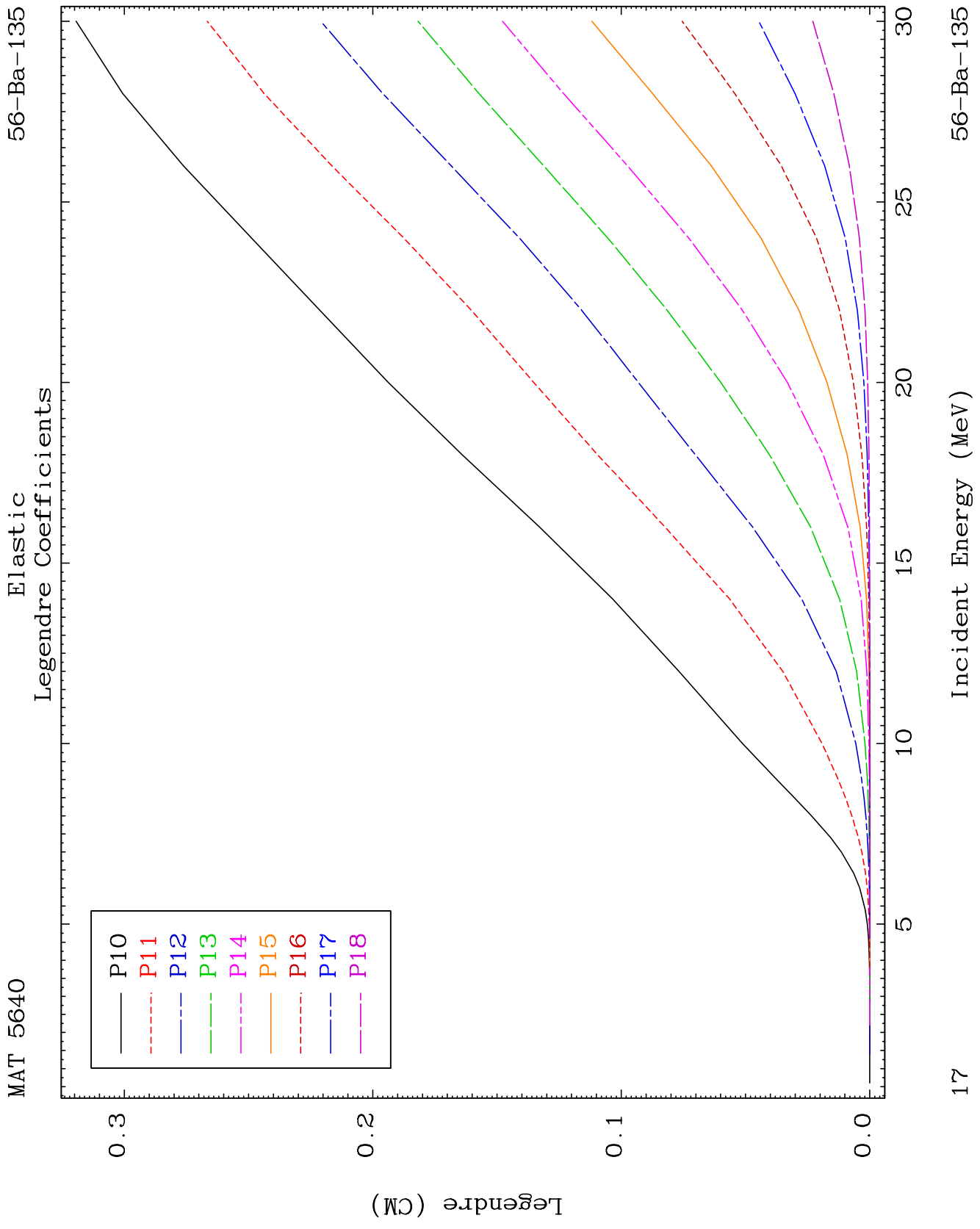
56-Ba-135



16

Incident Energy (MeV)

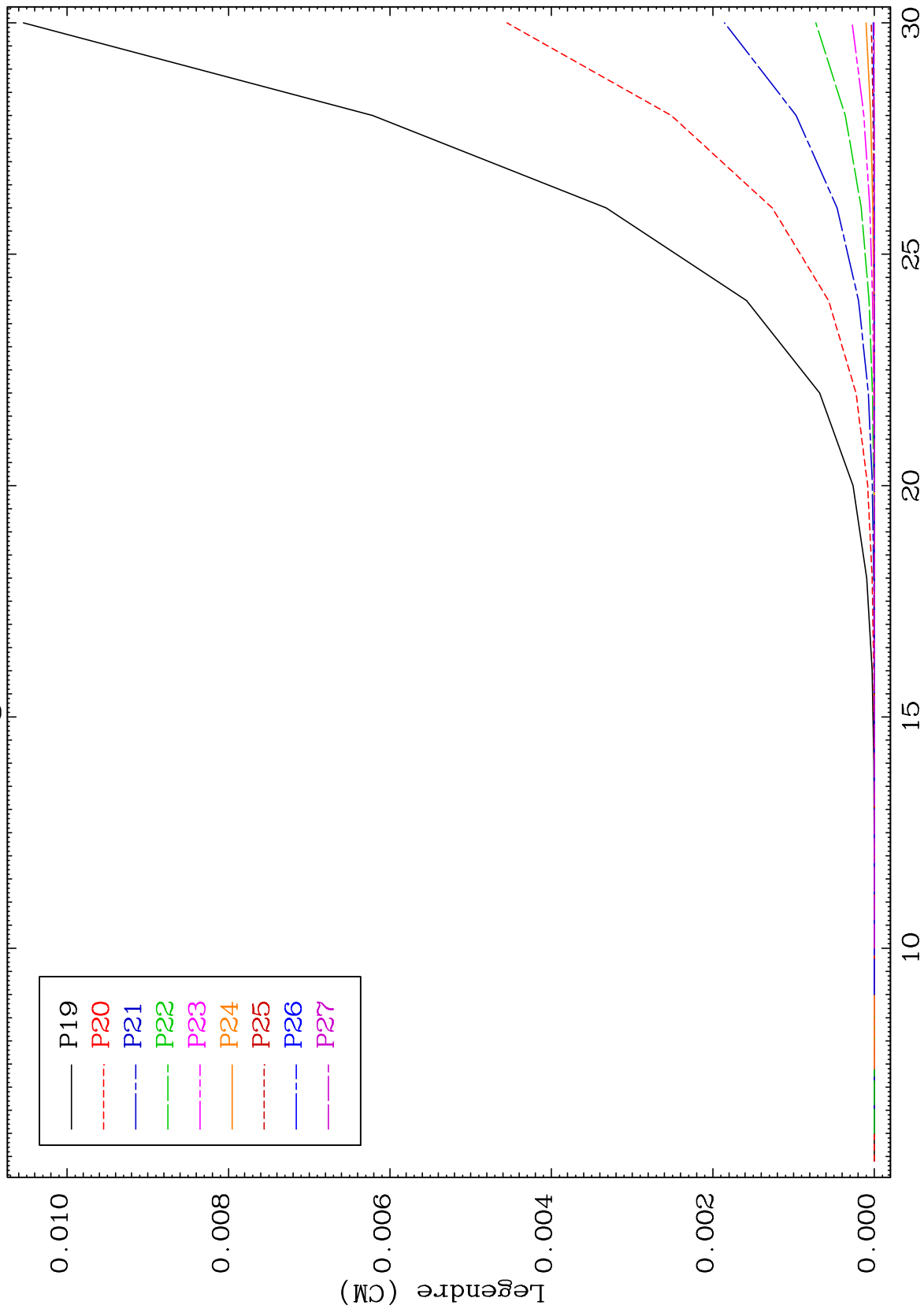
56-Ba-135



MAT 5640

Elastic  
Legendre Coefficients

56-Ba-135



18

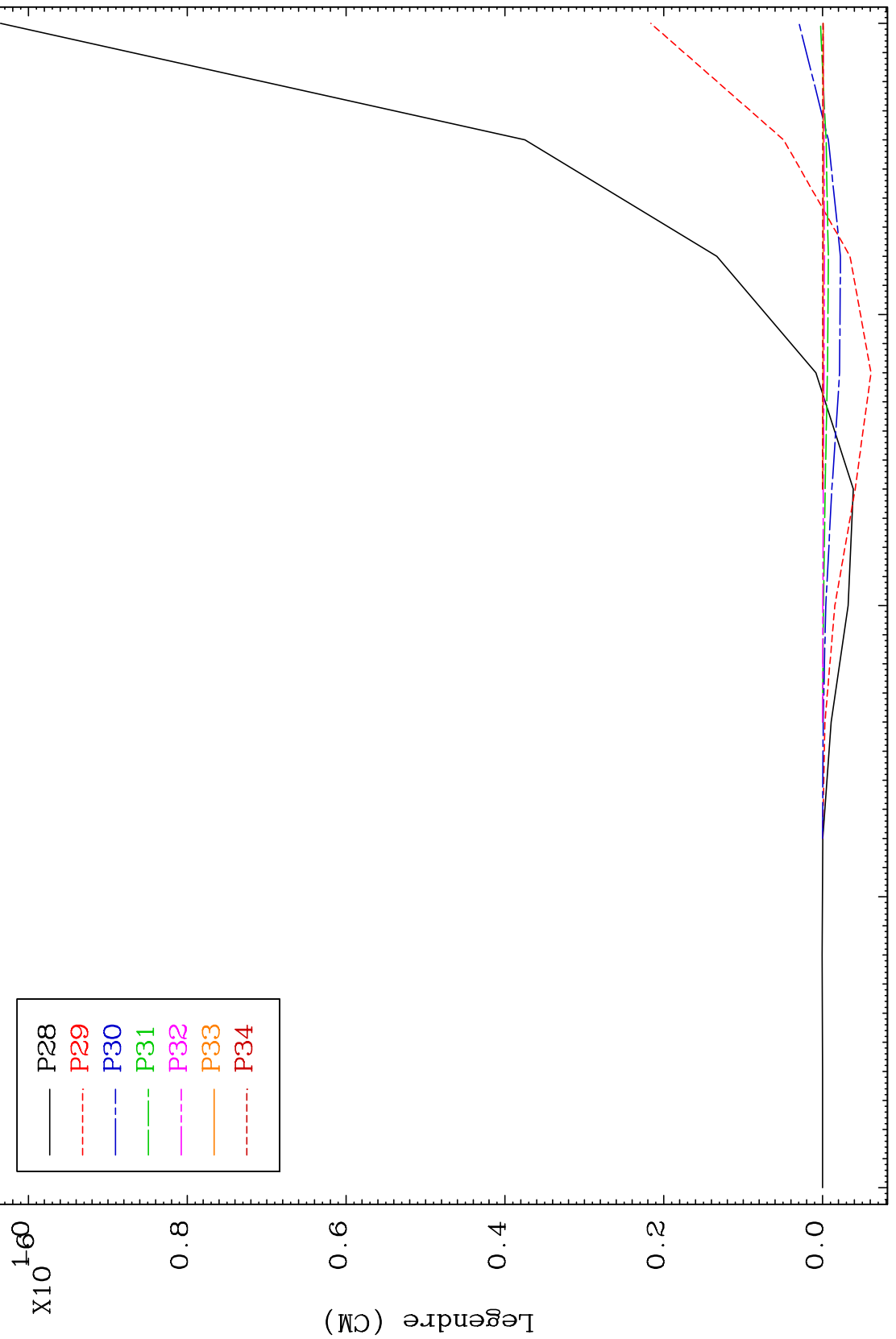
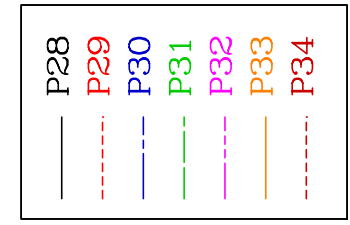
Incident Energy (MeV)

56-Ba-135

MAT 5640

Elastic Legendre Coefficients

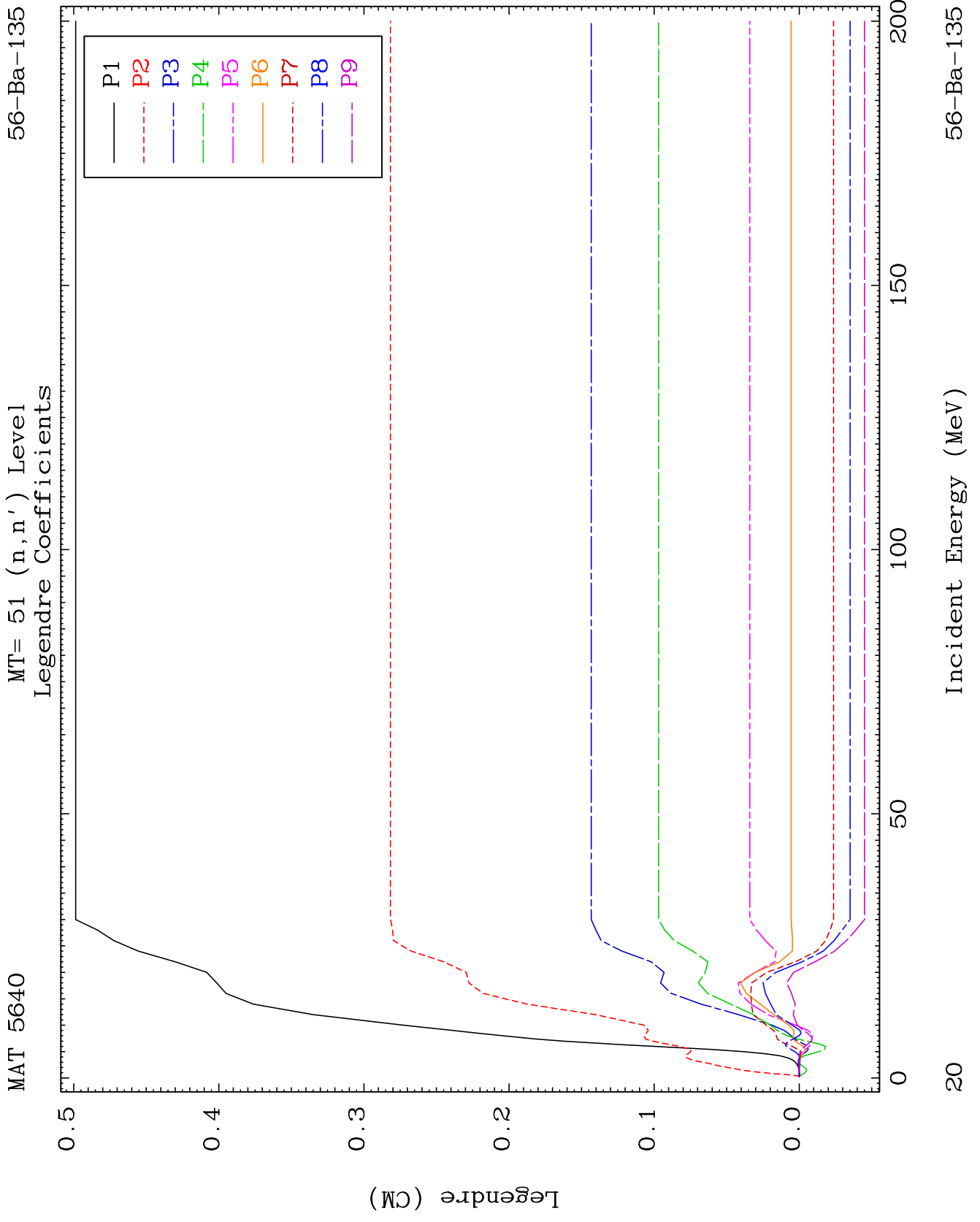
56-Ba-135

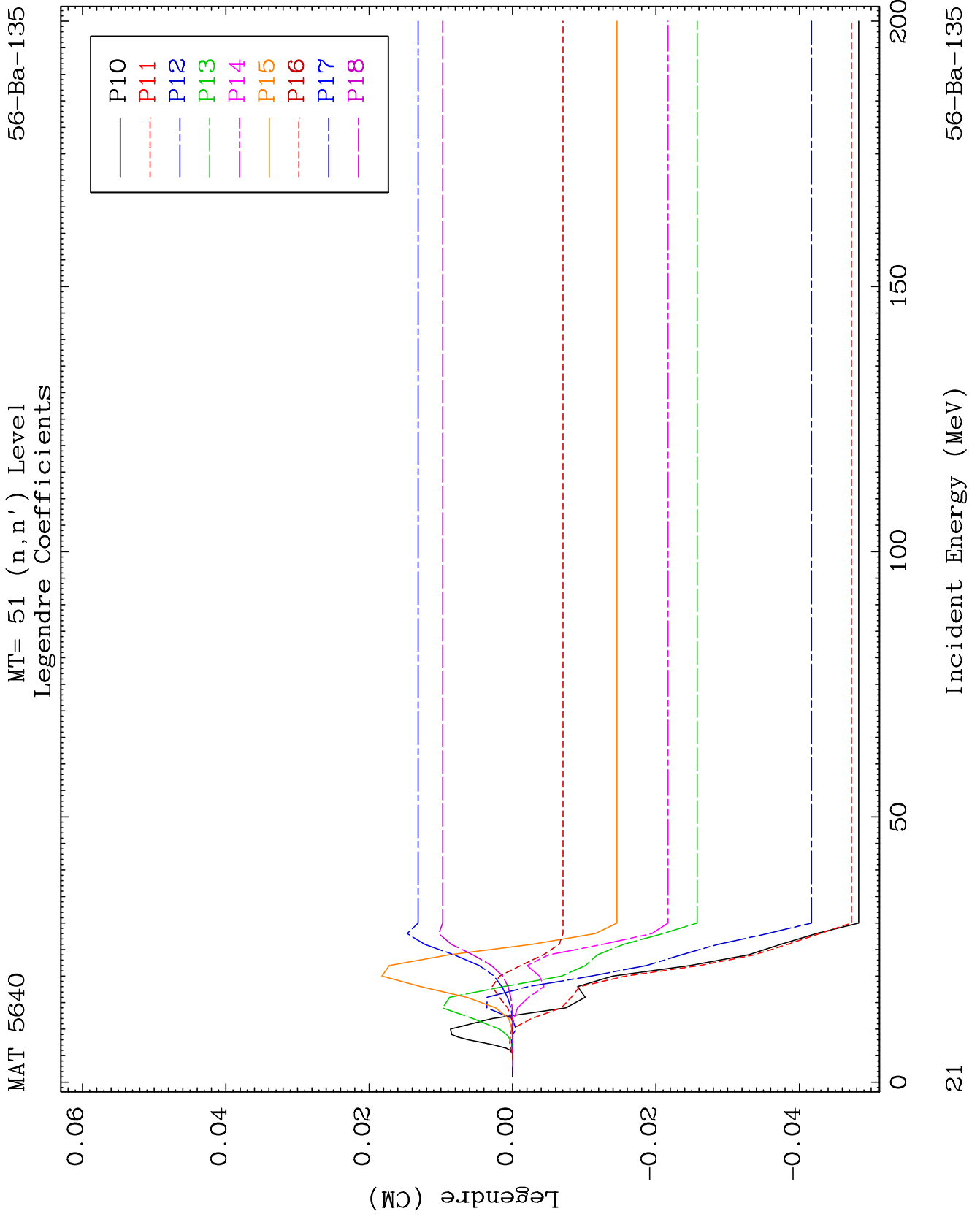


19

Incident Energy (MeV)

56-Ba-135

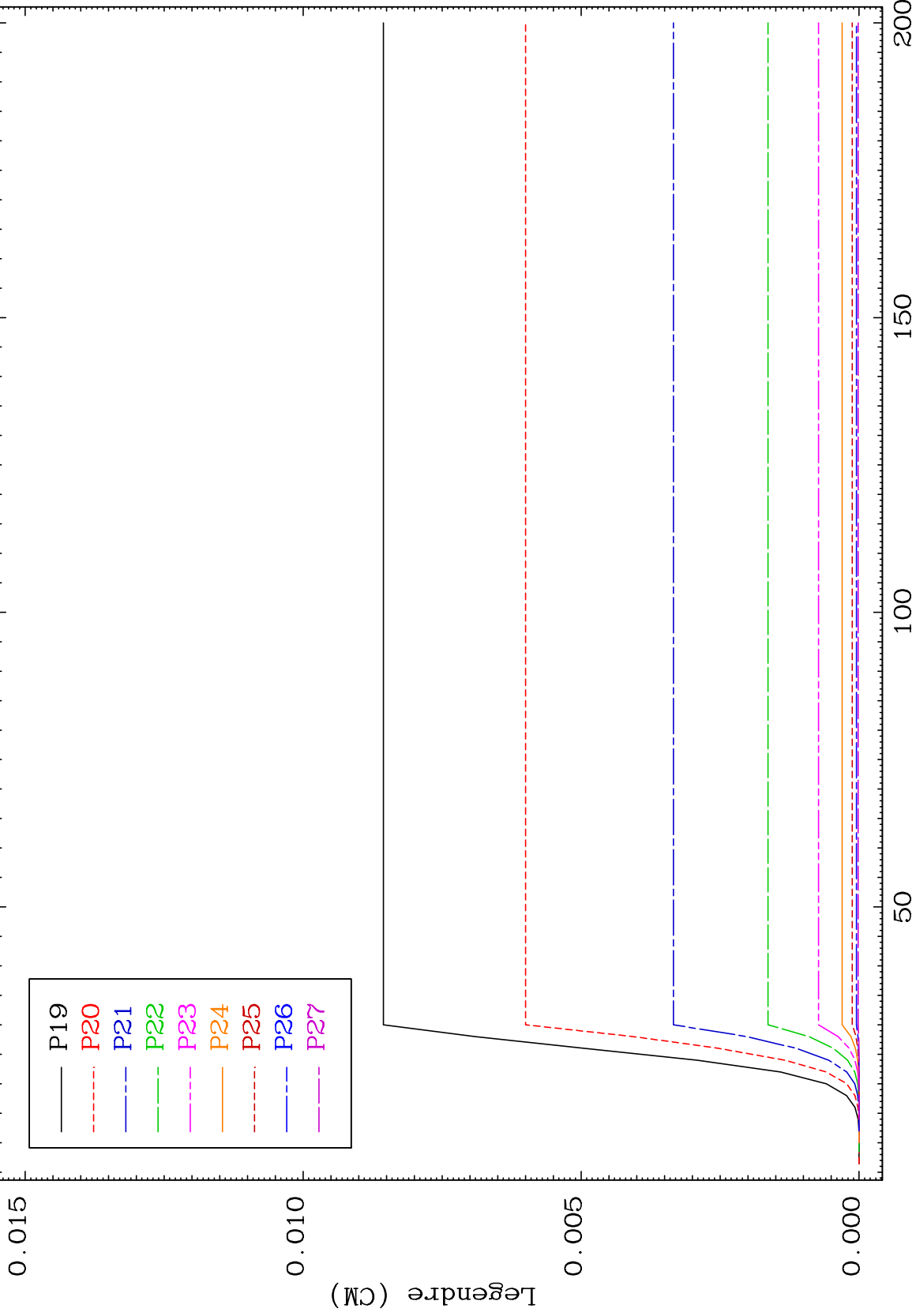




MAT 5640

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

56-Ba-135



22

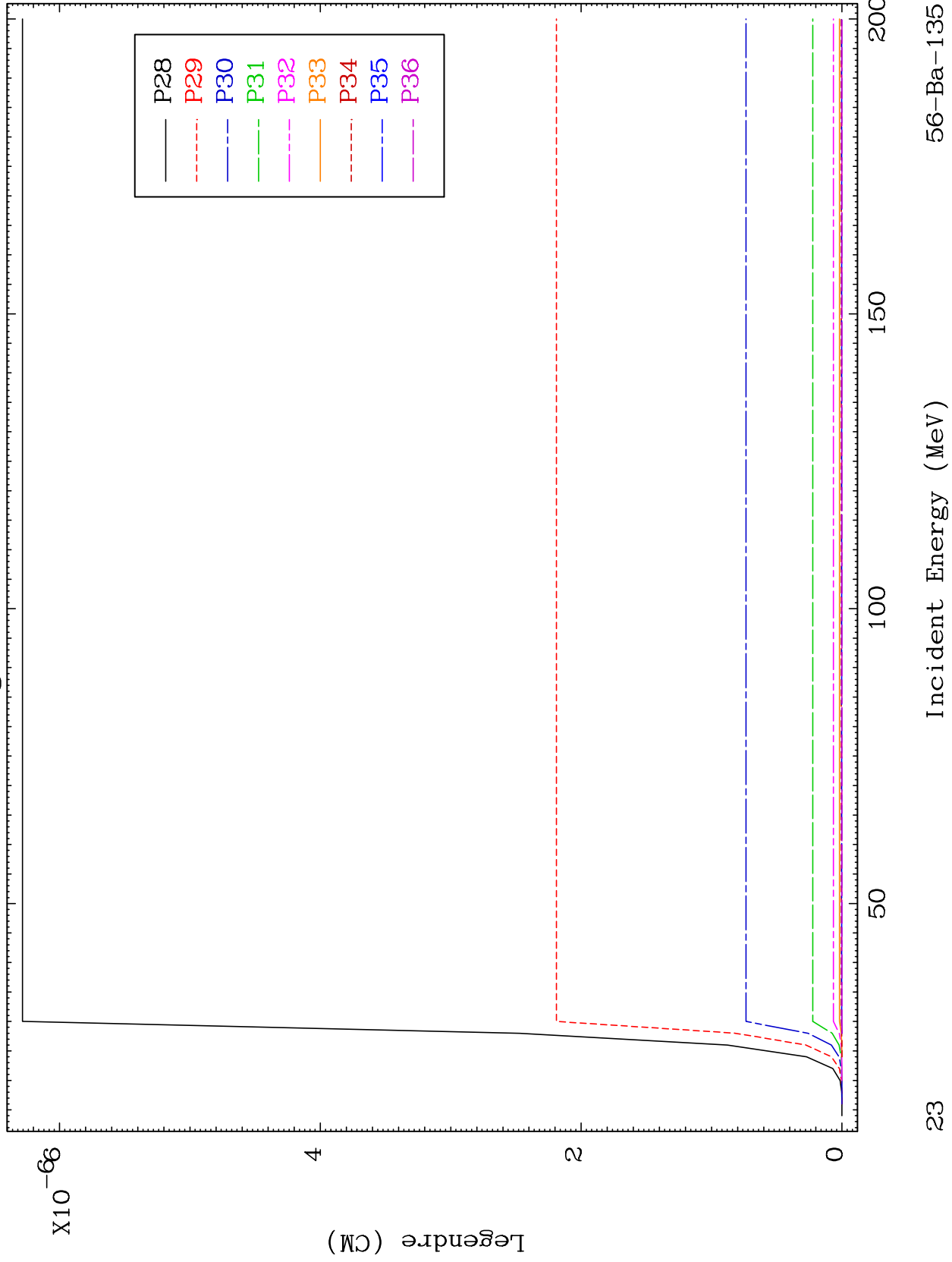
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



23

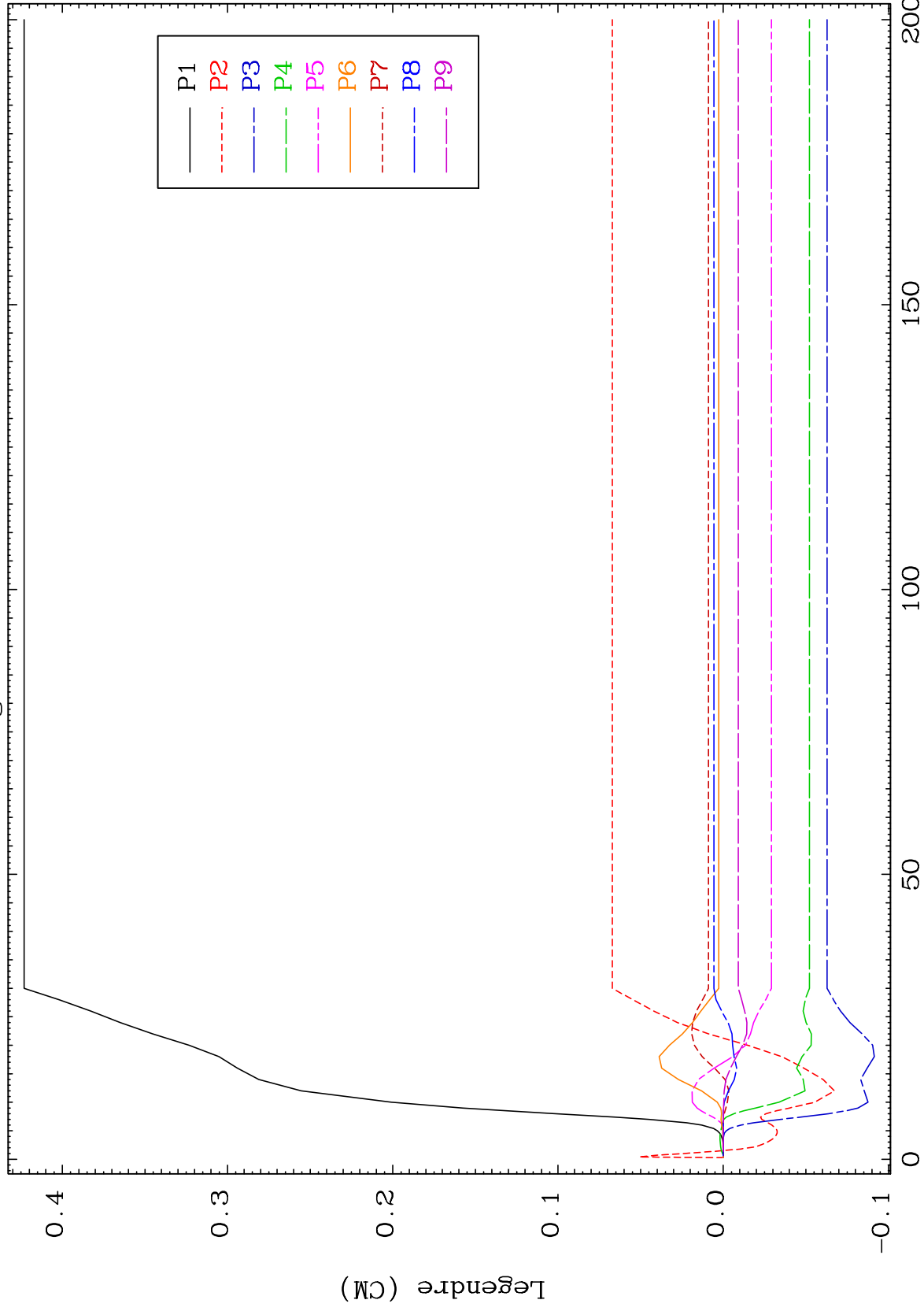
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

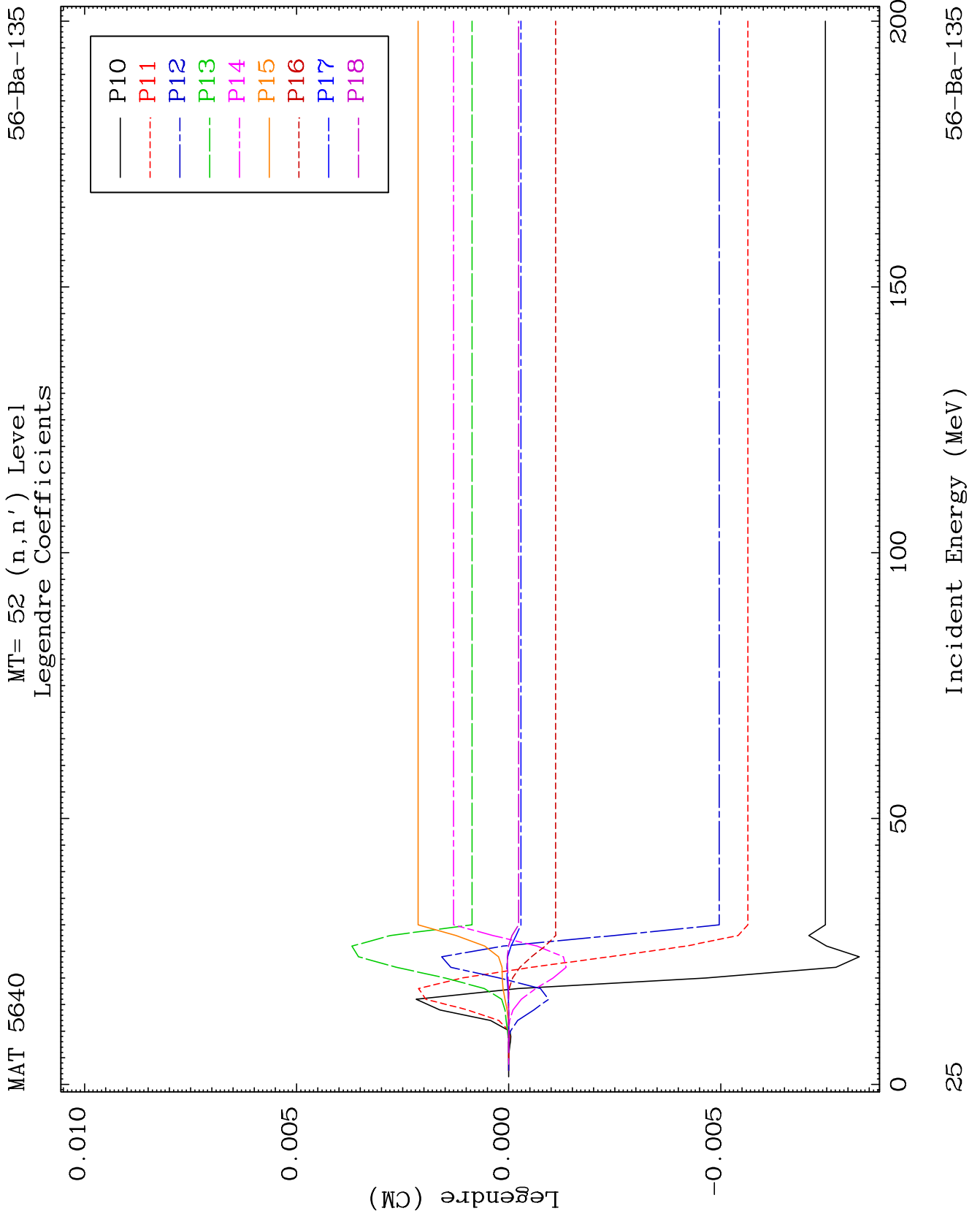
56-Ba-135



24

Incident Energy (MeV)

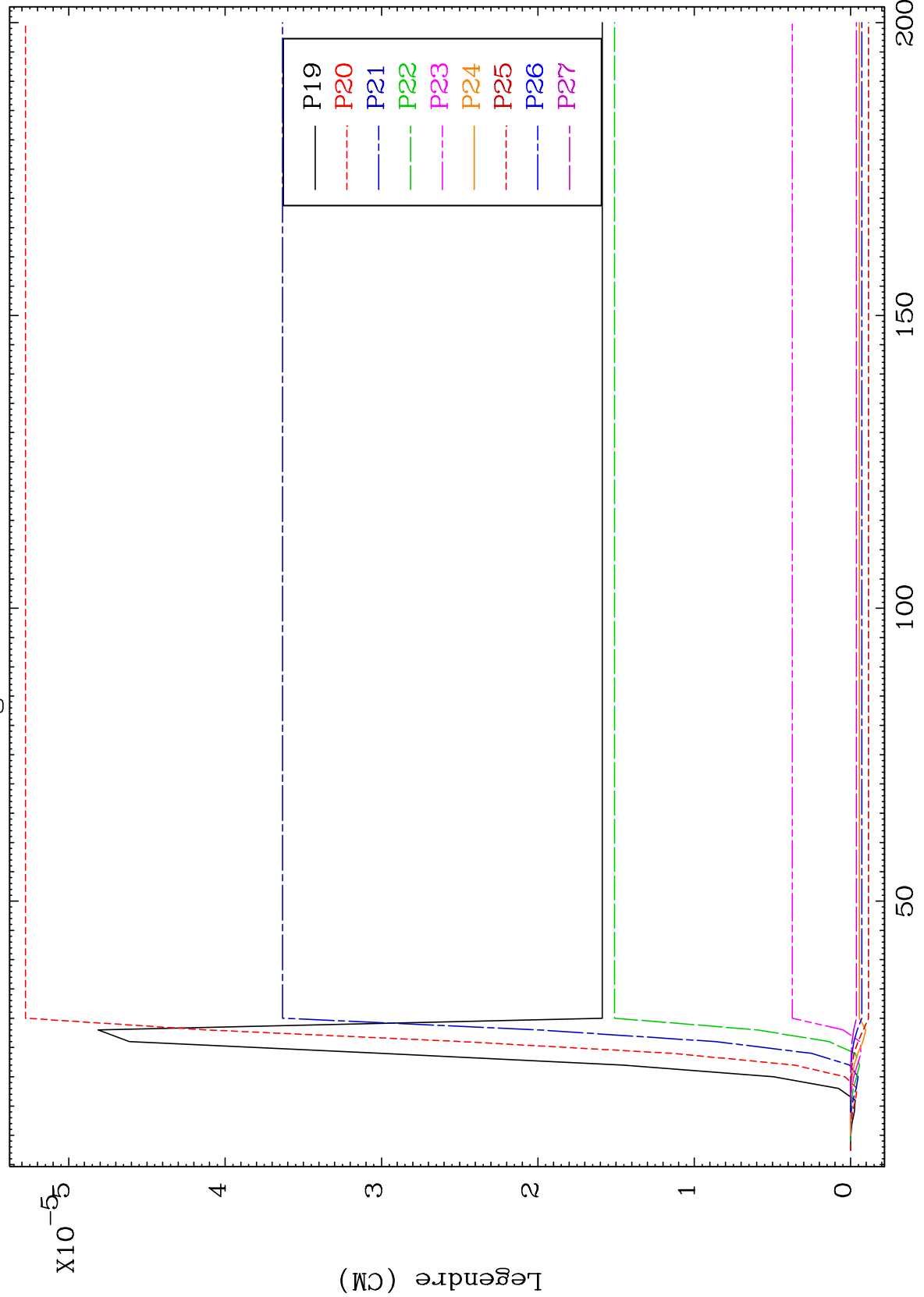
56-Ba-135



MAT 5640

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

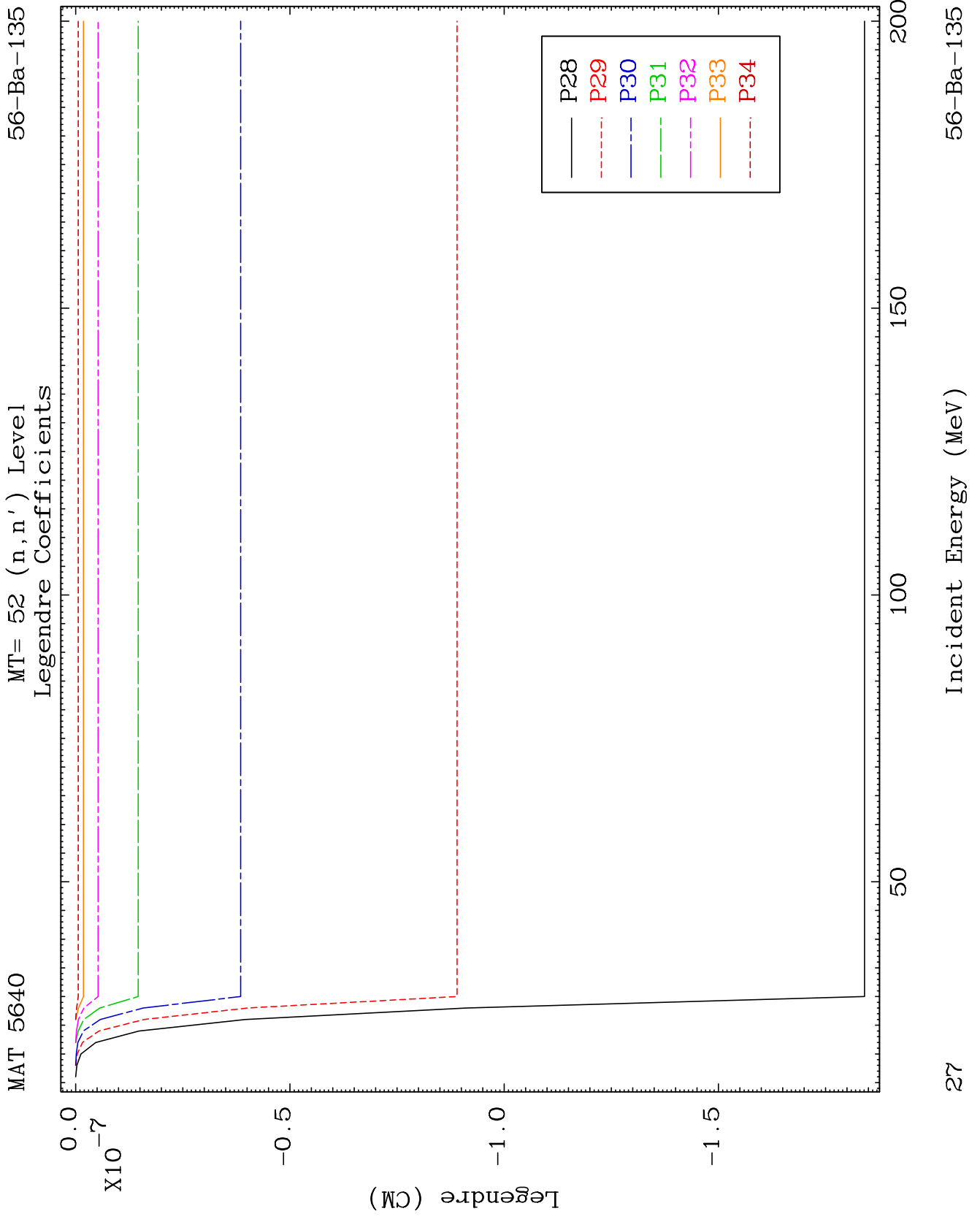
56-Ba-135



56-Ba-135

Incident Energy (MeV)

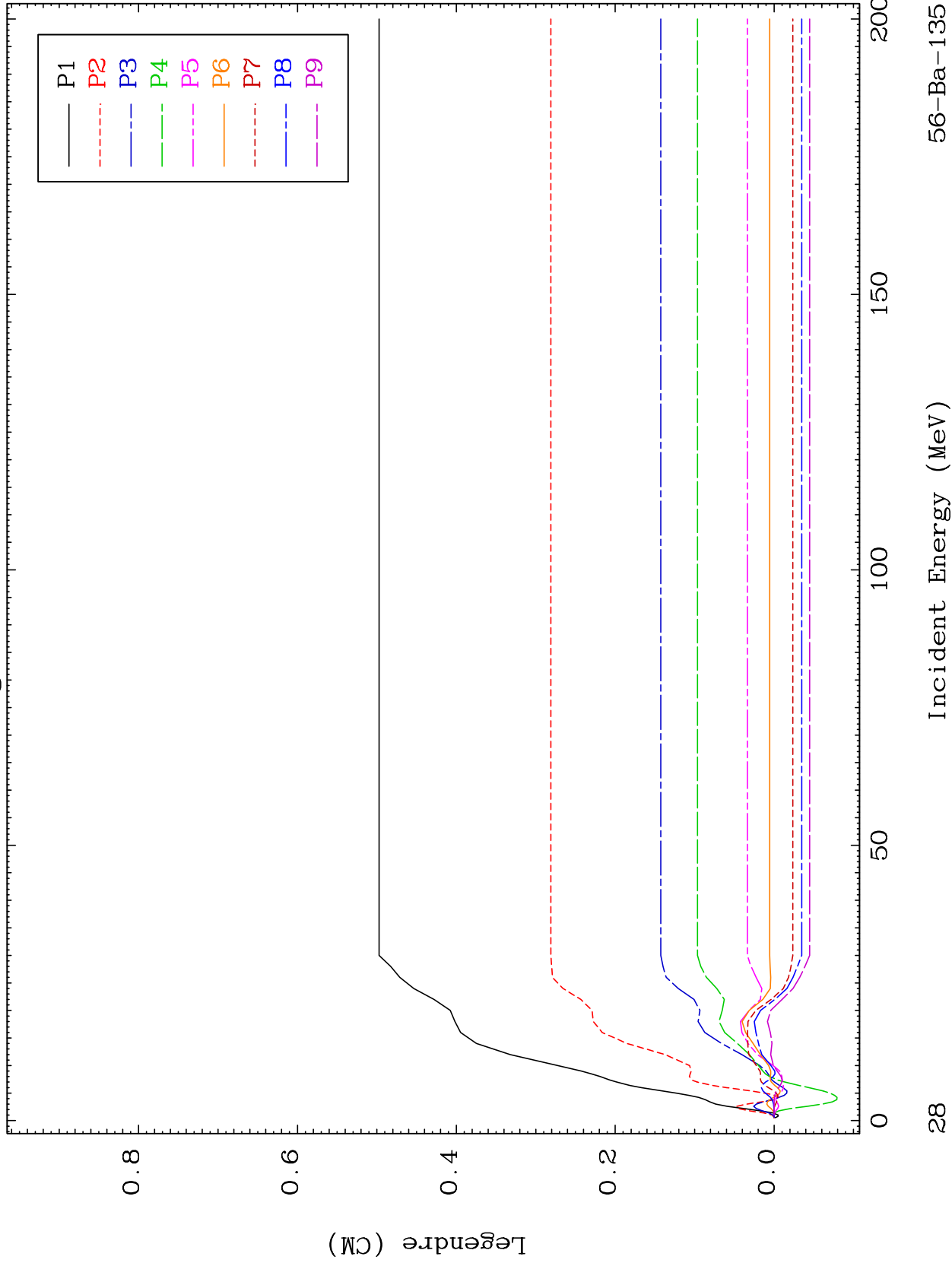
26



MAT 5640

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

56-Ba-135



56-Ba-135

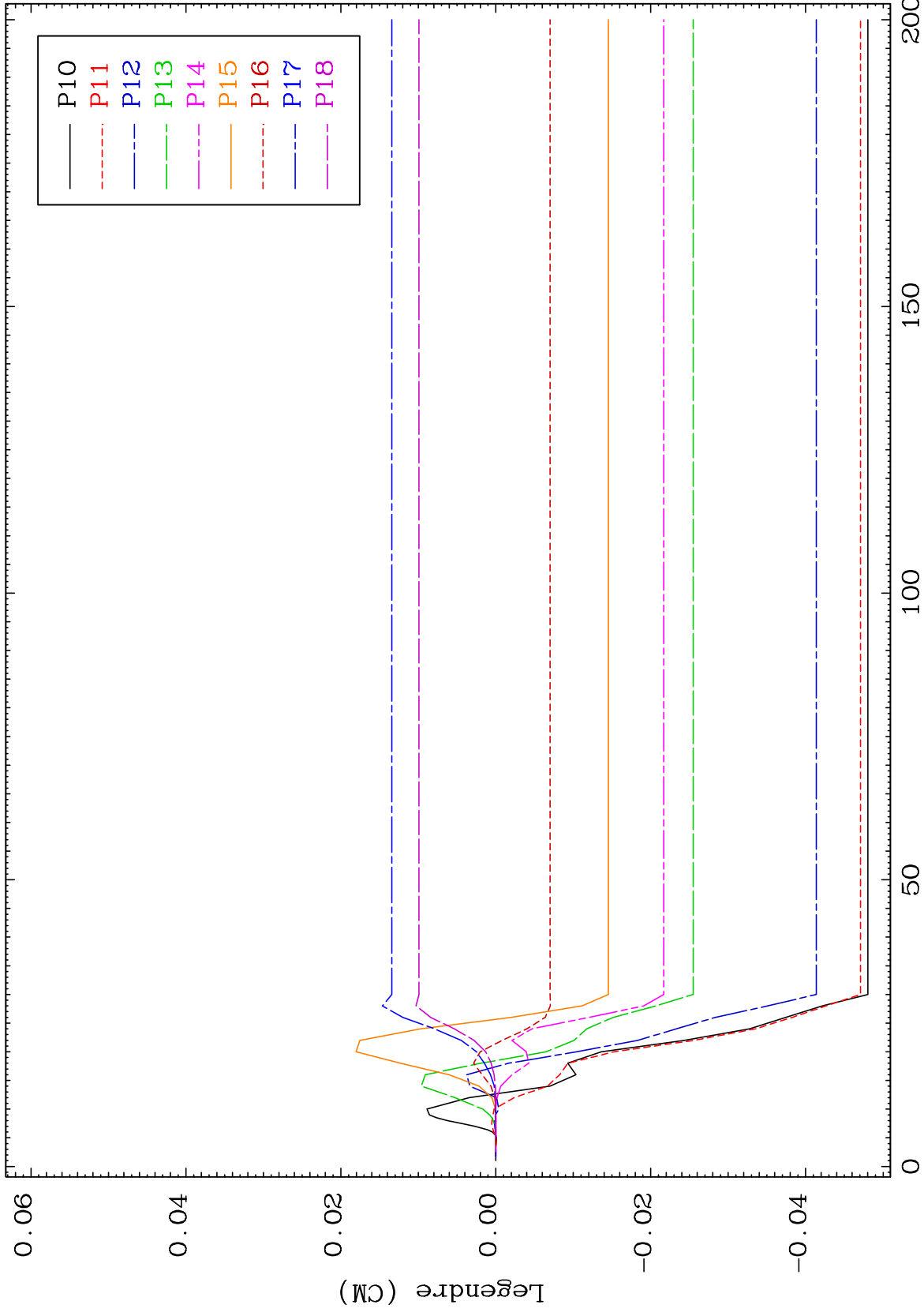
Incident Energy (MeV)

28

MAT 5640

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

56-Ba-135



29

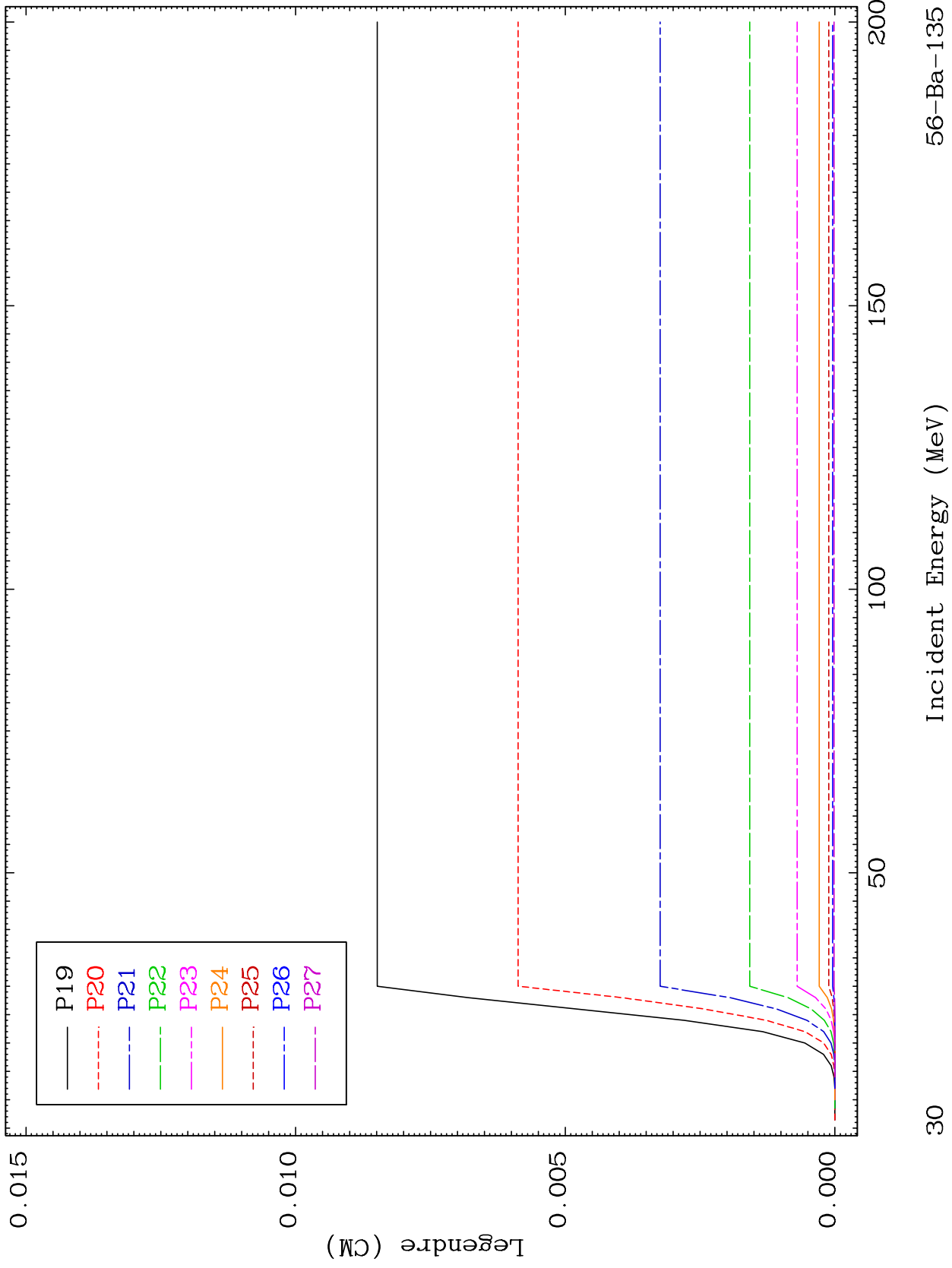
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

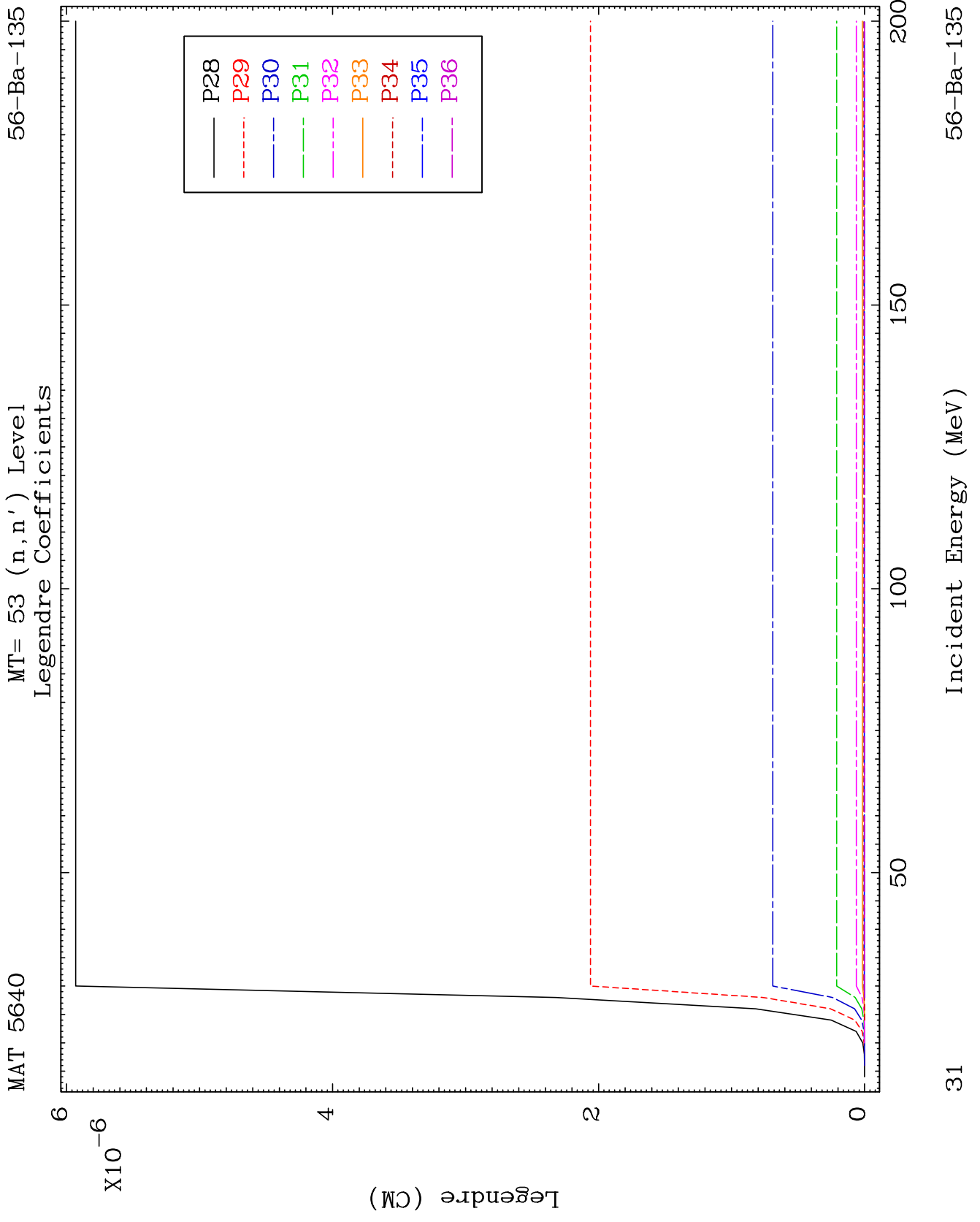
56-Ba-135

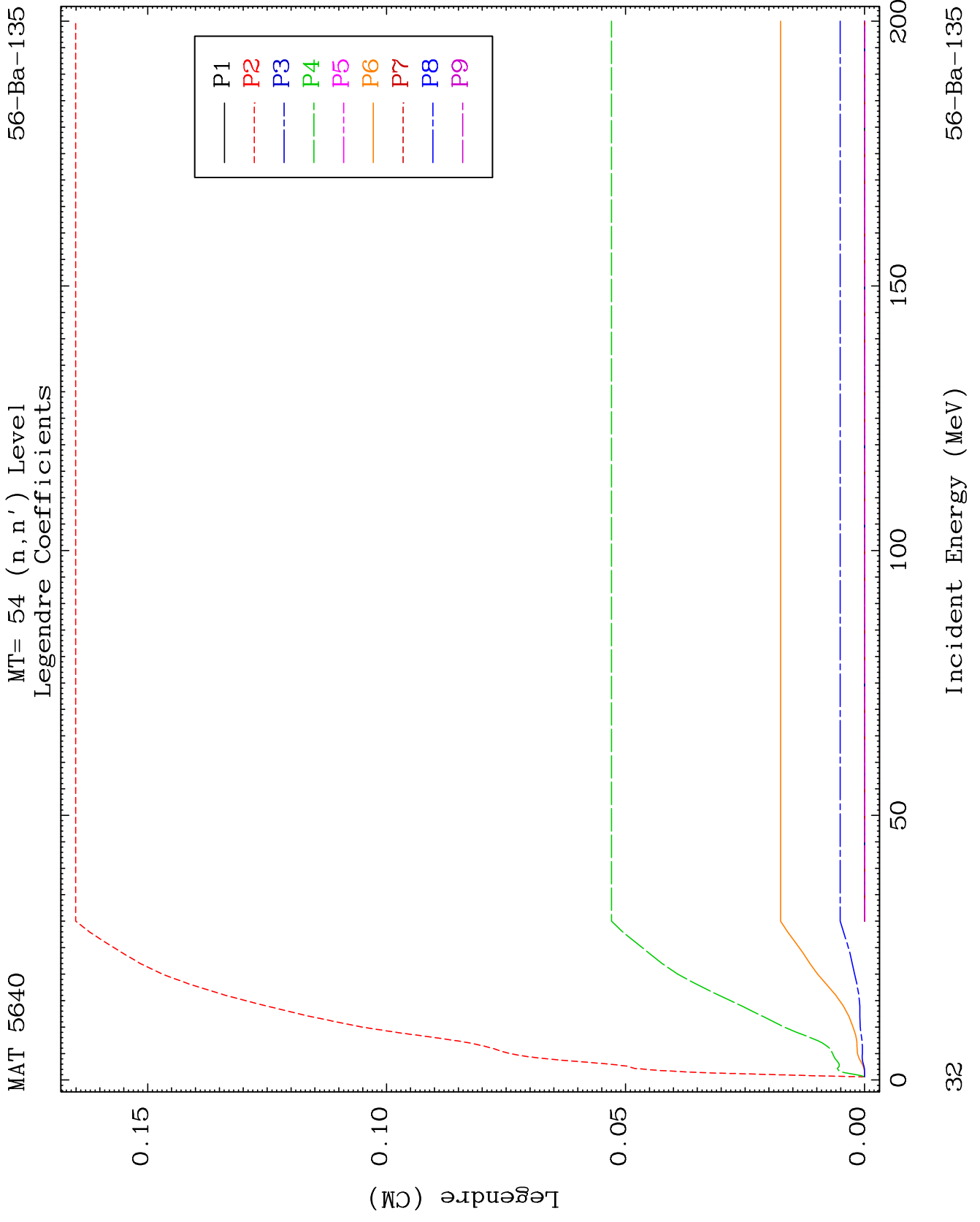


30

Incident Energy (MeV)

56-Ba-135

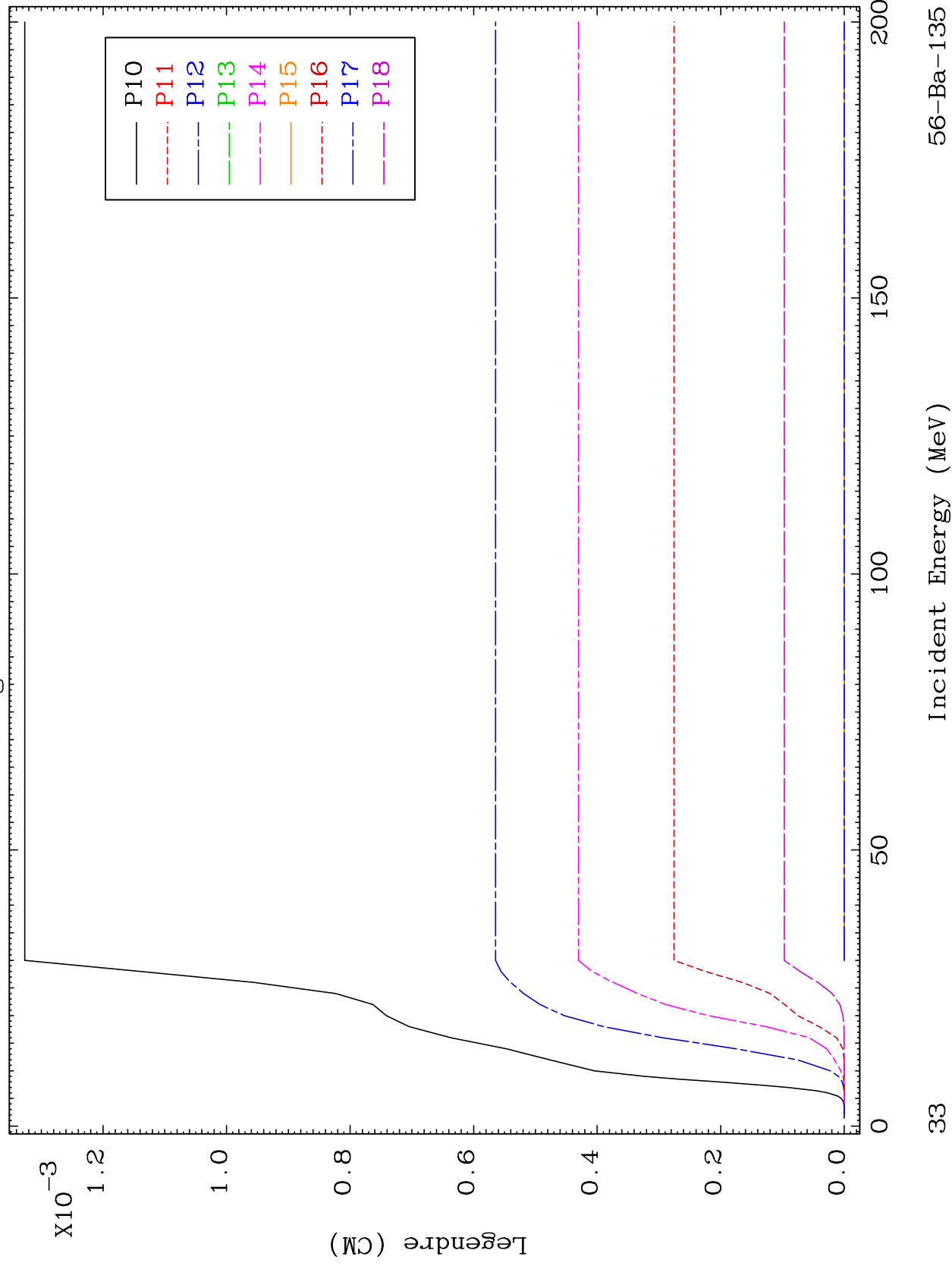




MAT 5640

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

56-Ba-135

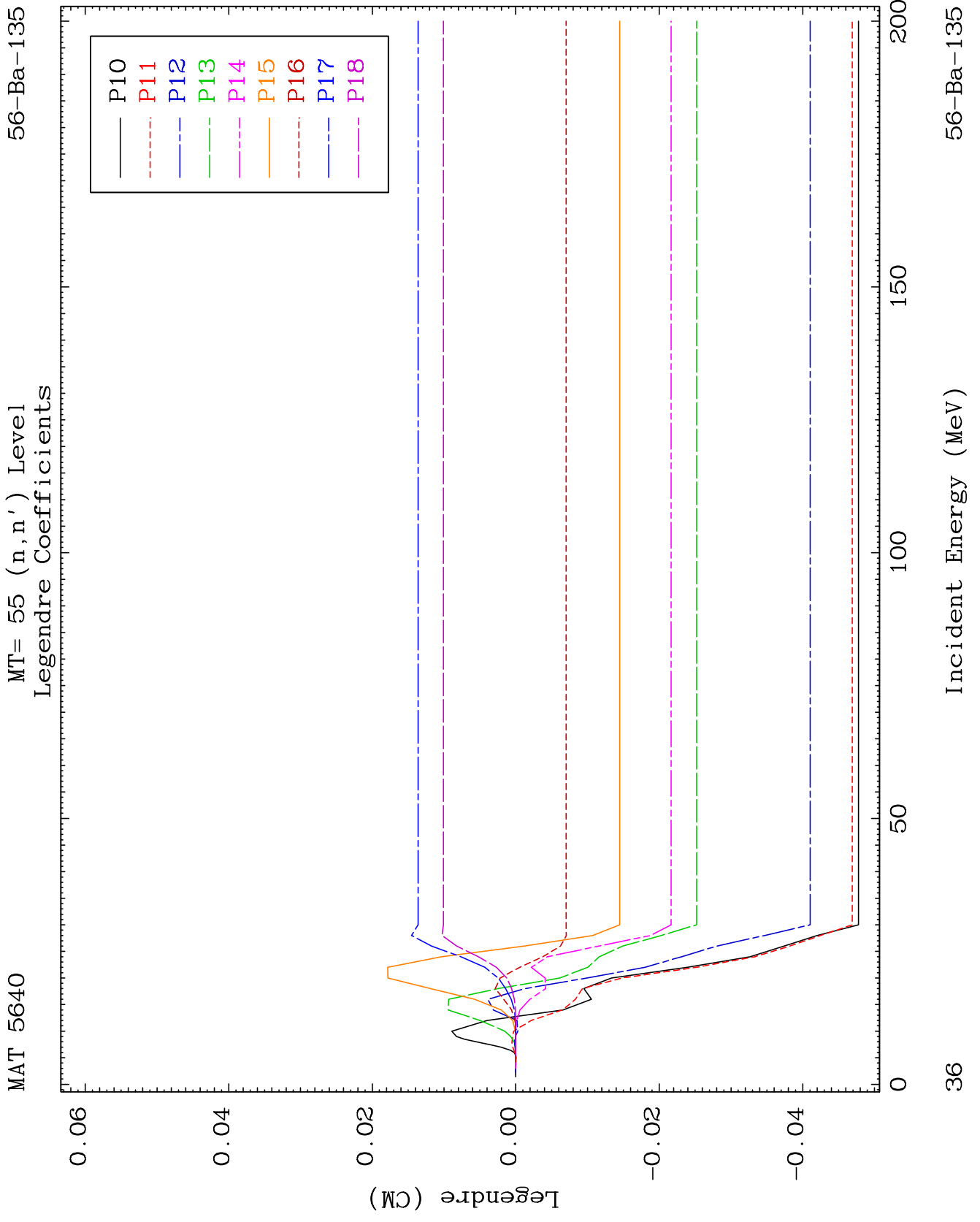


33

56-Ba-135



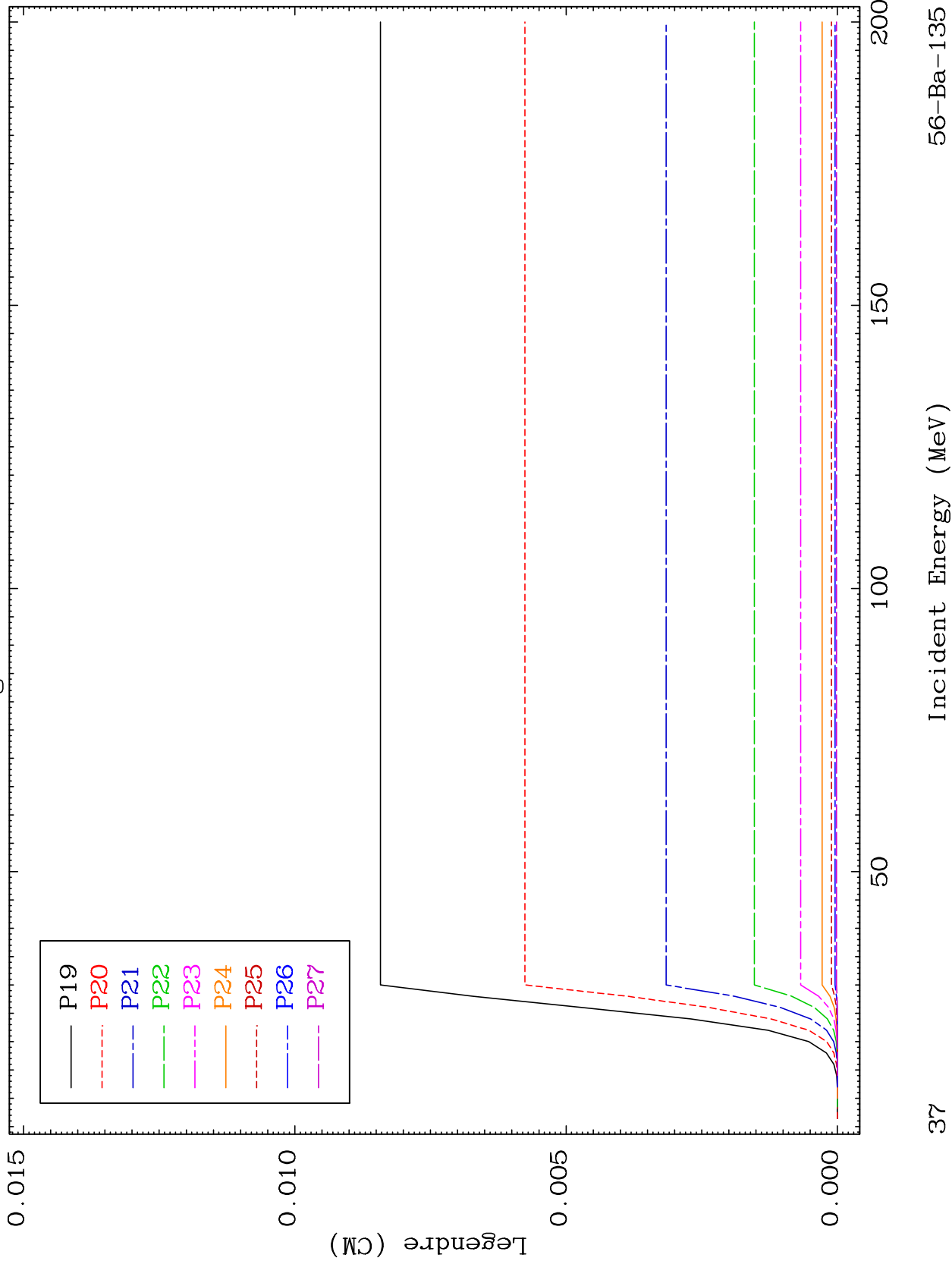




MAT 5640

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

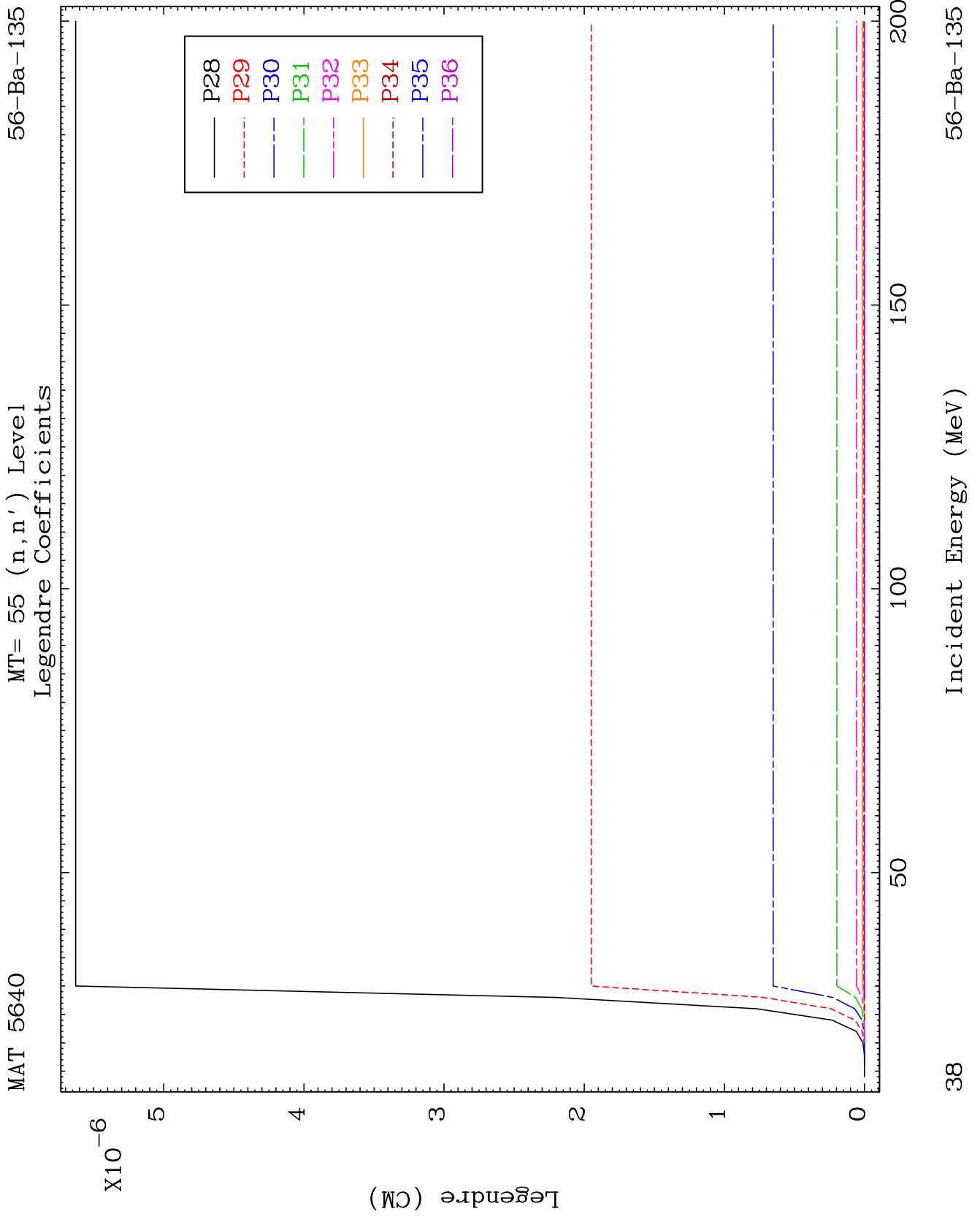
56-Ba-135



37

Incident Energy (MeV)

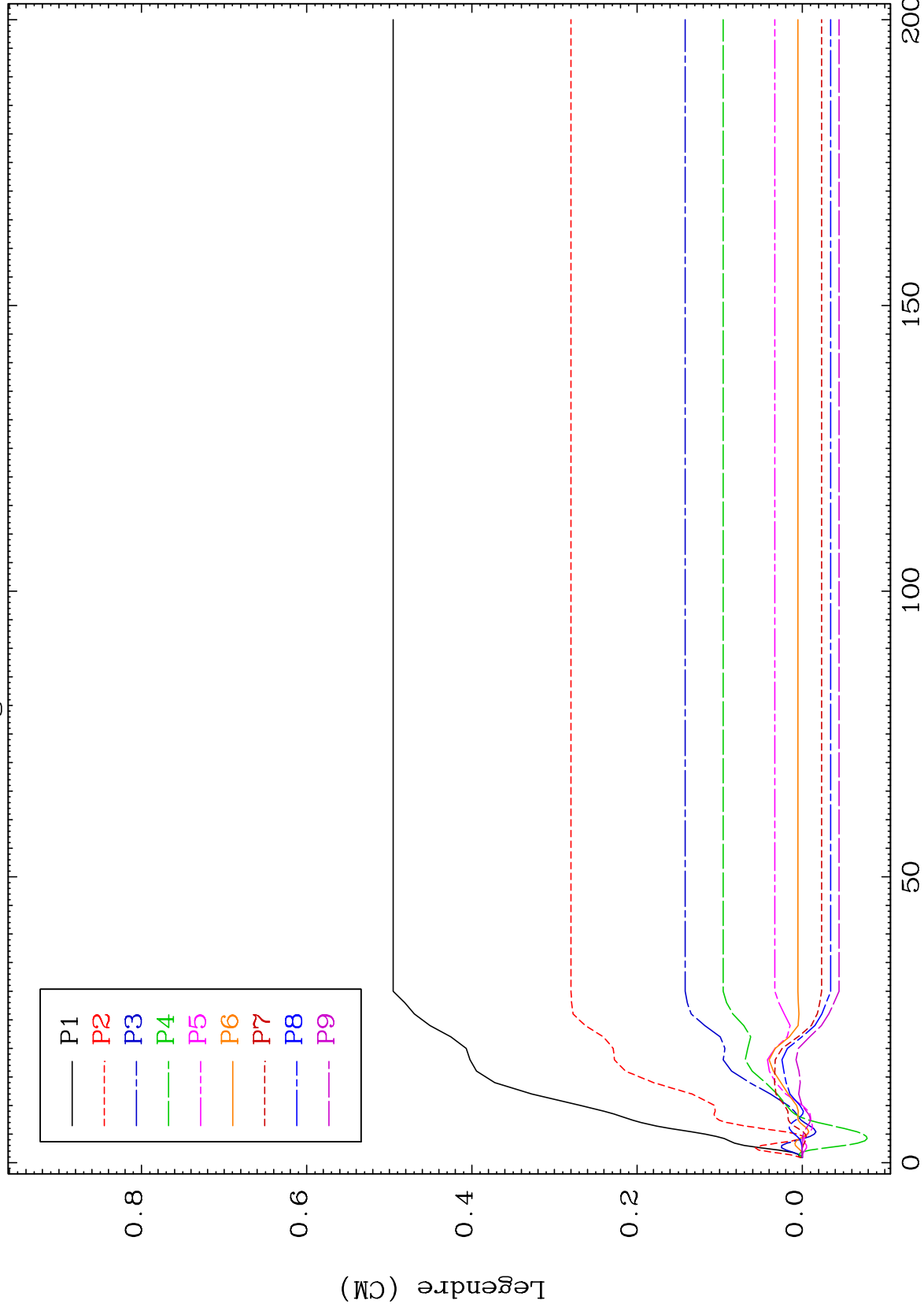
56-Ba-135



MAT 5640

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

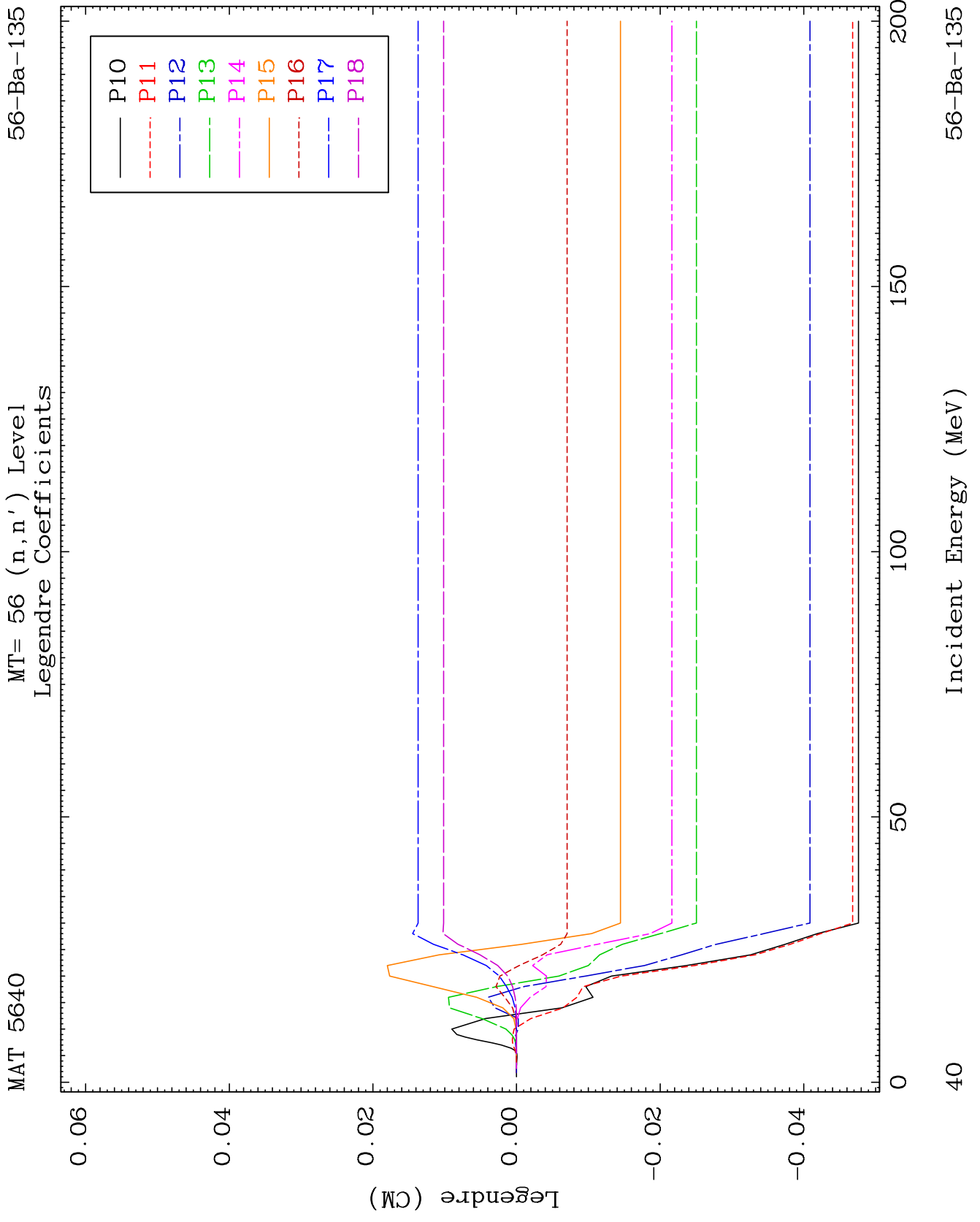
56-Ba-135

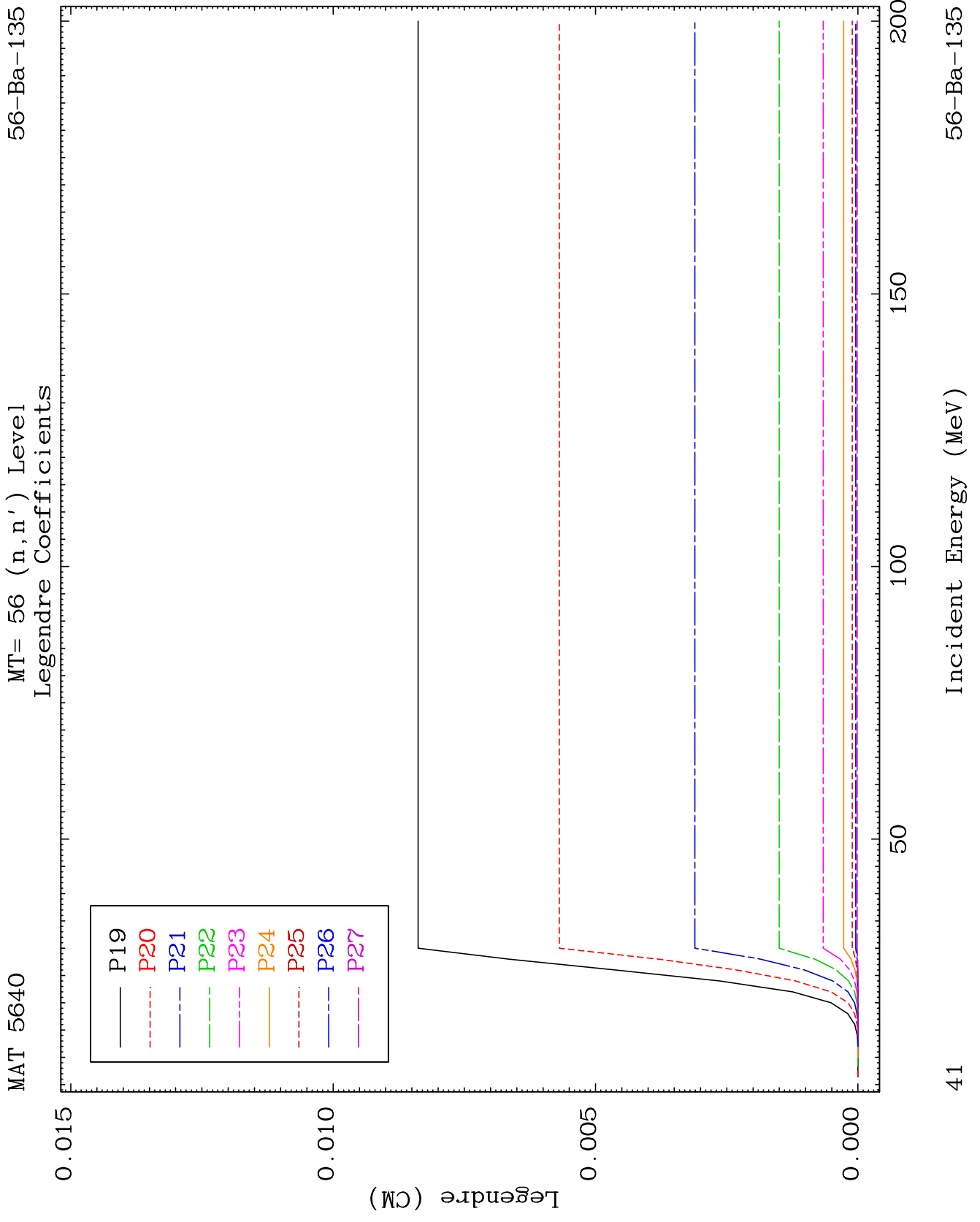


56-Ba-135

Incident Energy (MeV)

39

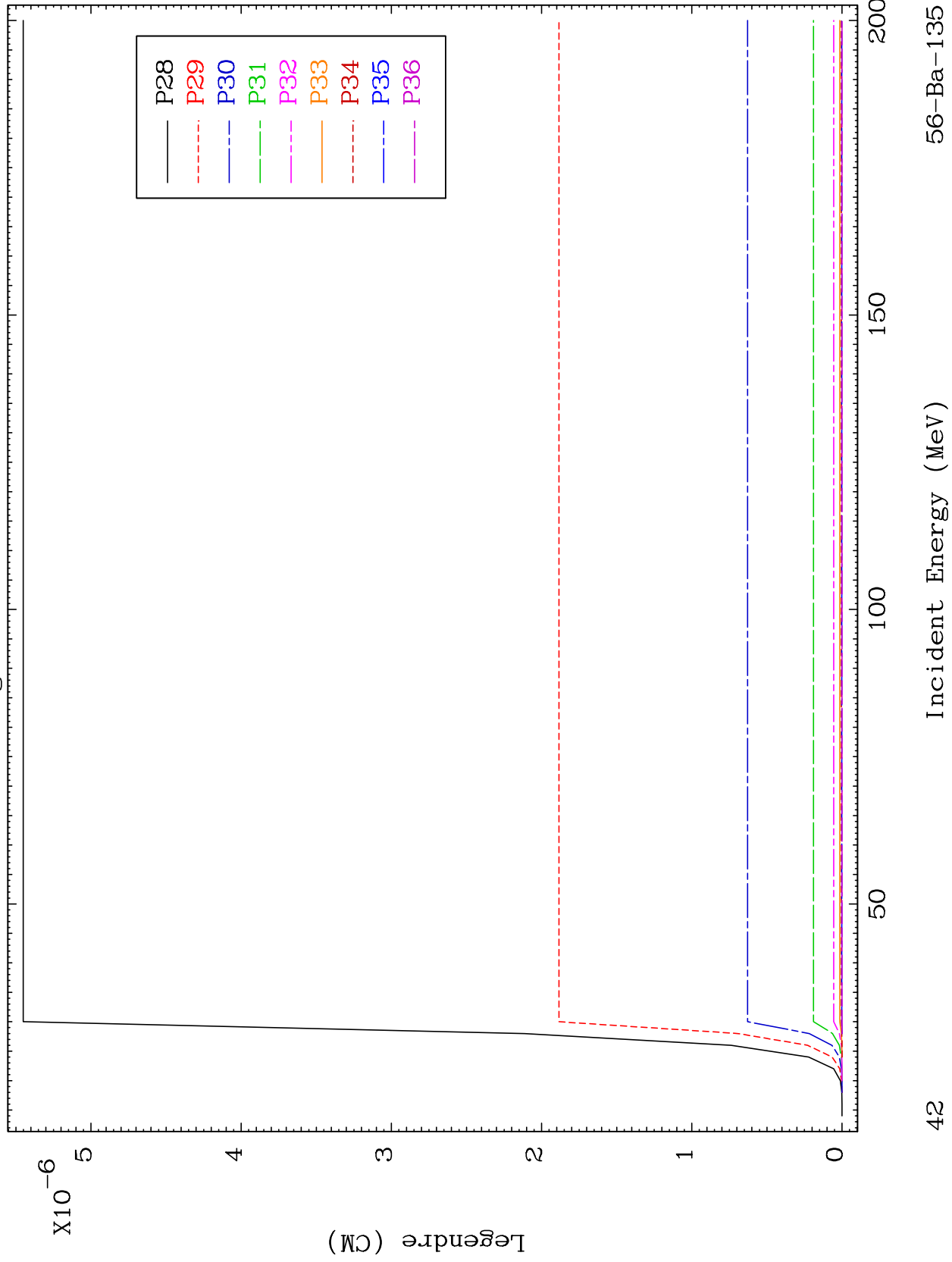




MAT 5640

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

56-Ba-135



42

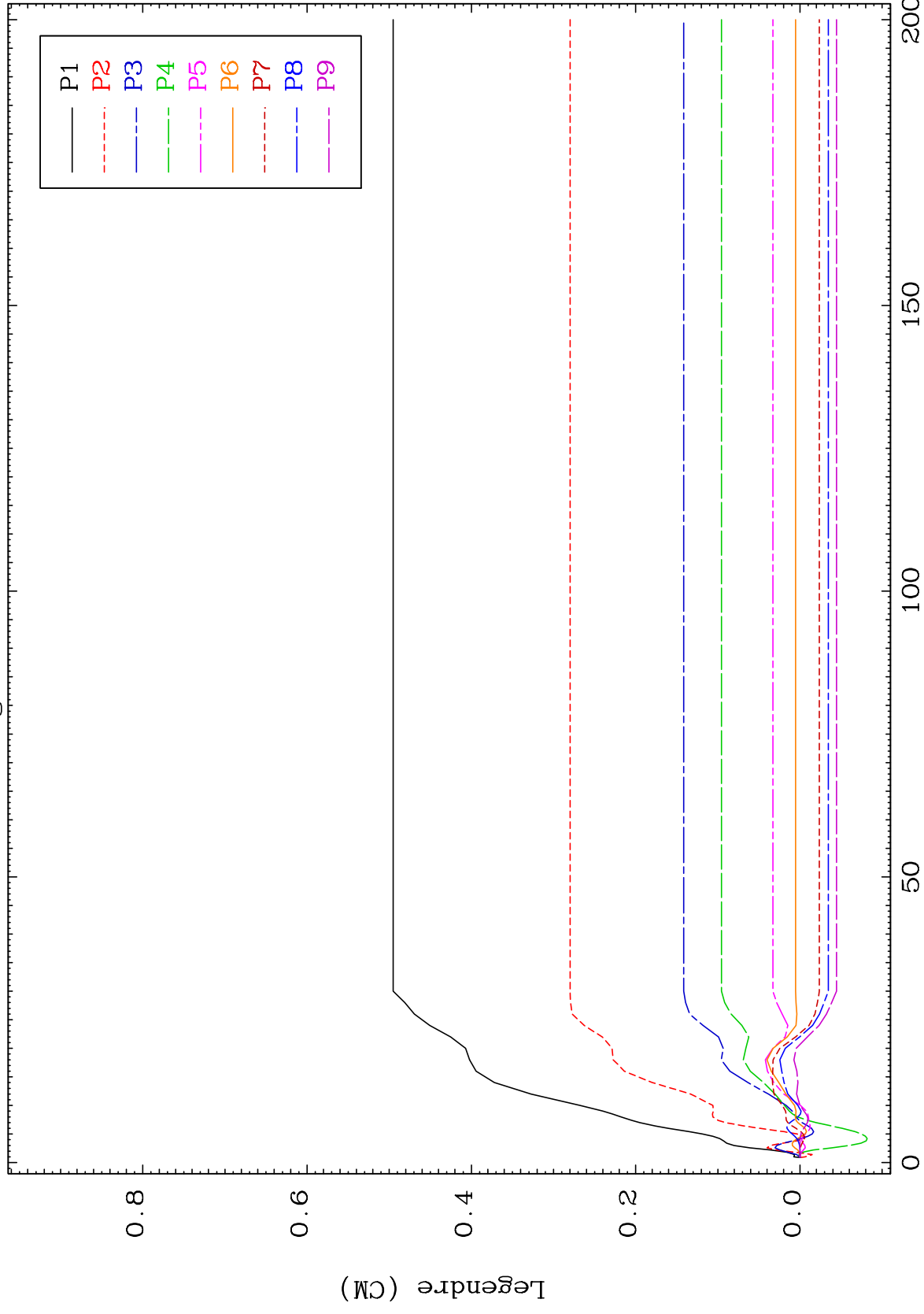
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



43

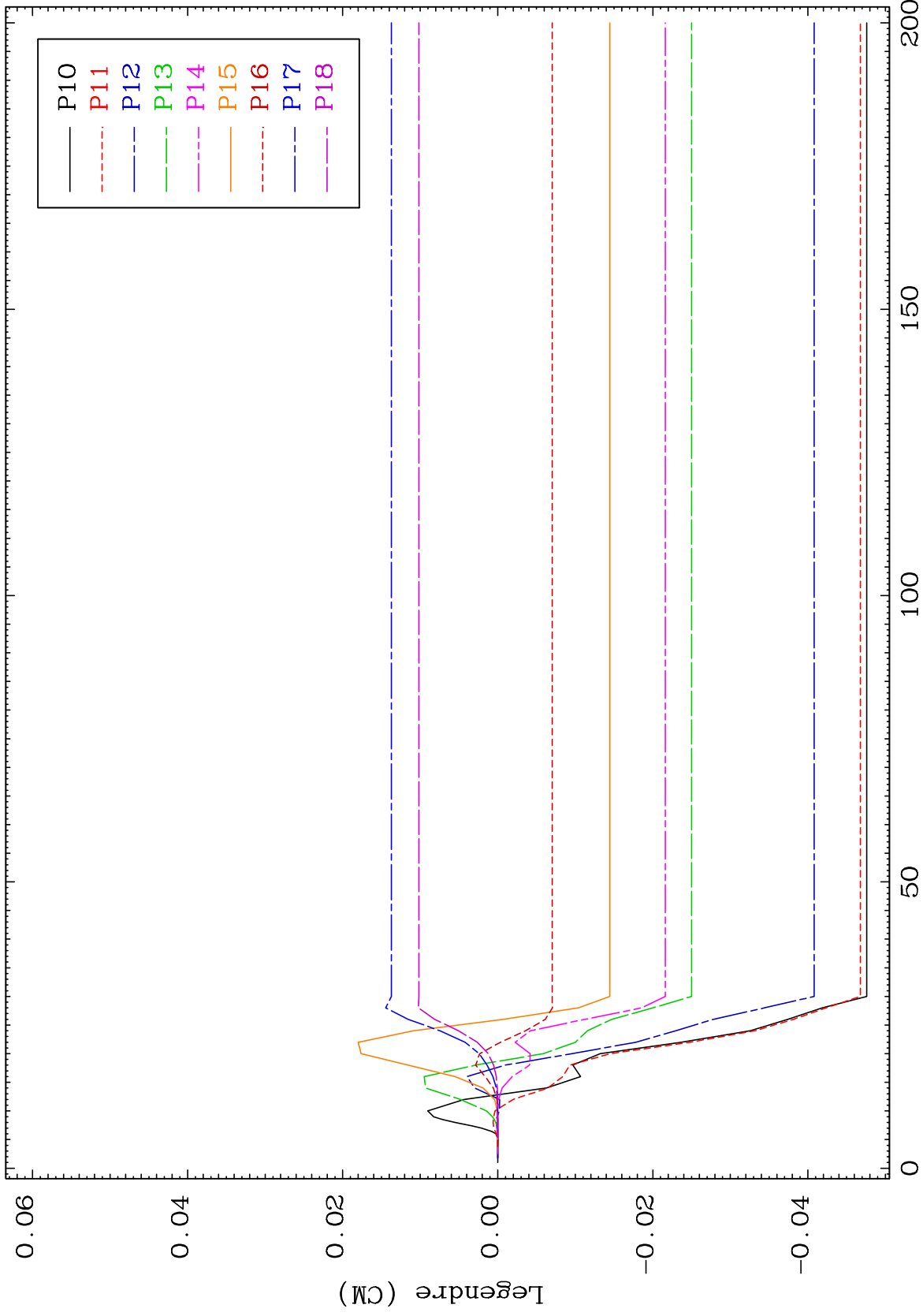
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

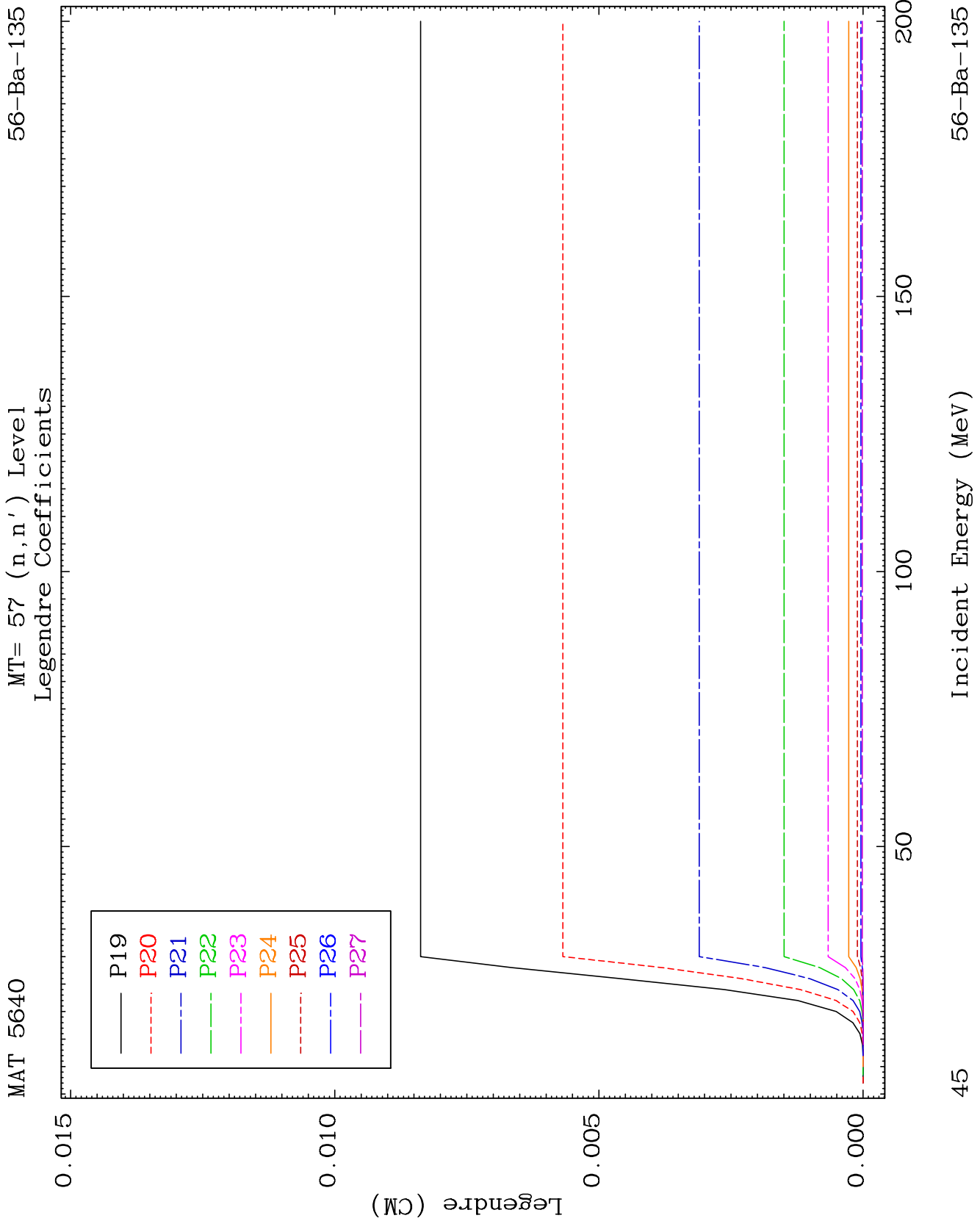
56-Ba-135



44

Incident Energy (MeV)

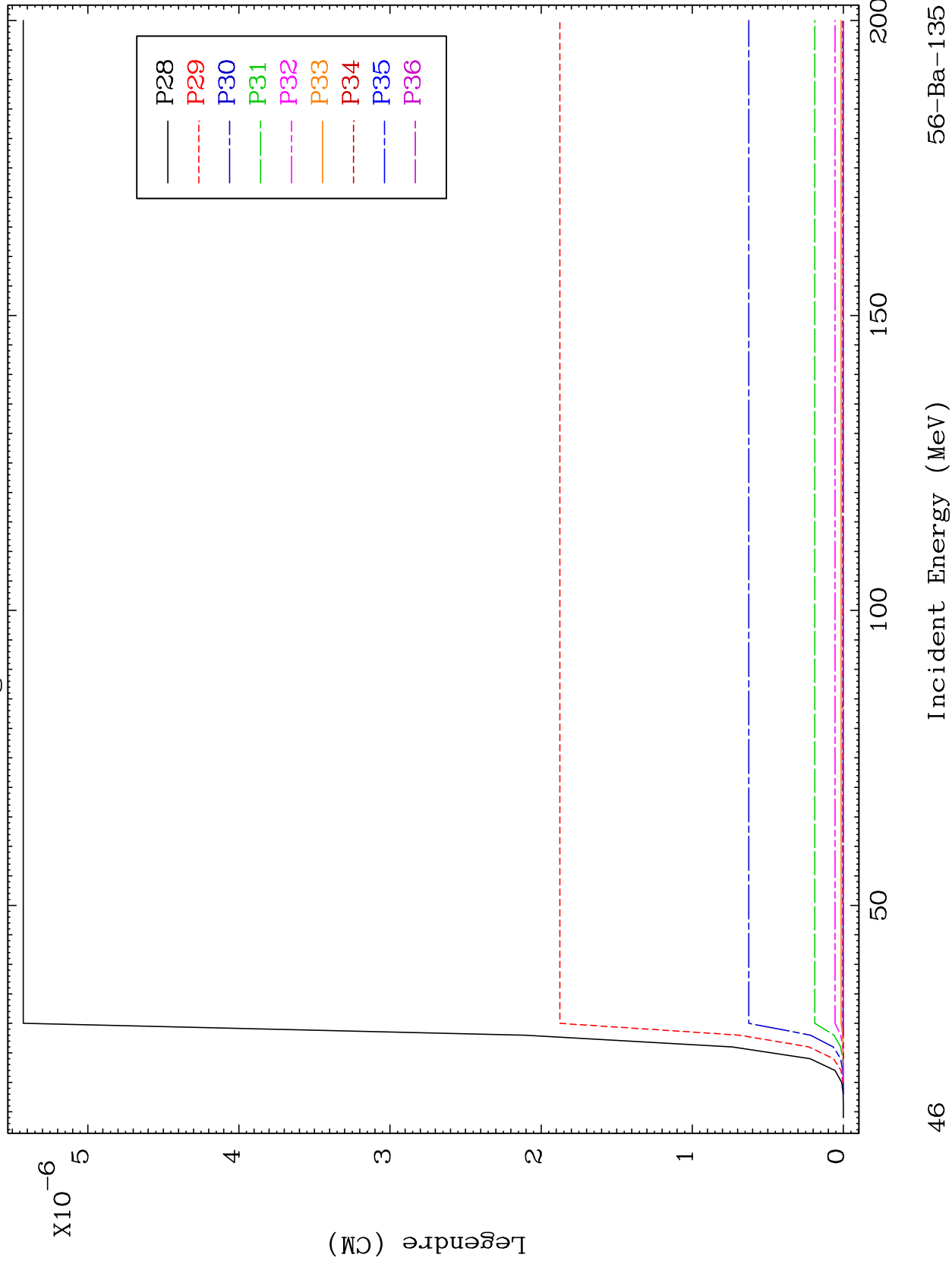
56-Ba-135



MAT 5640

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

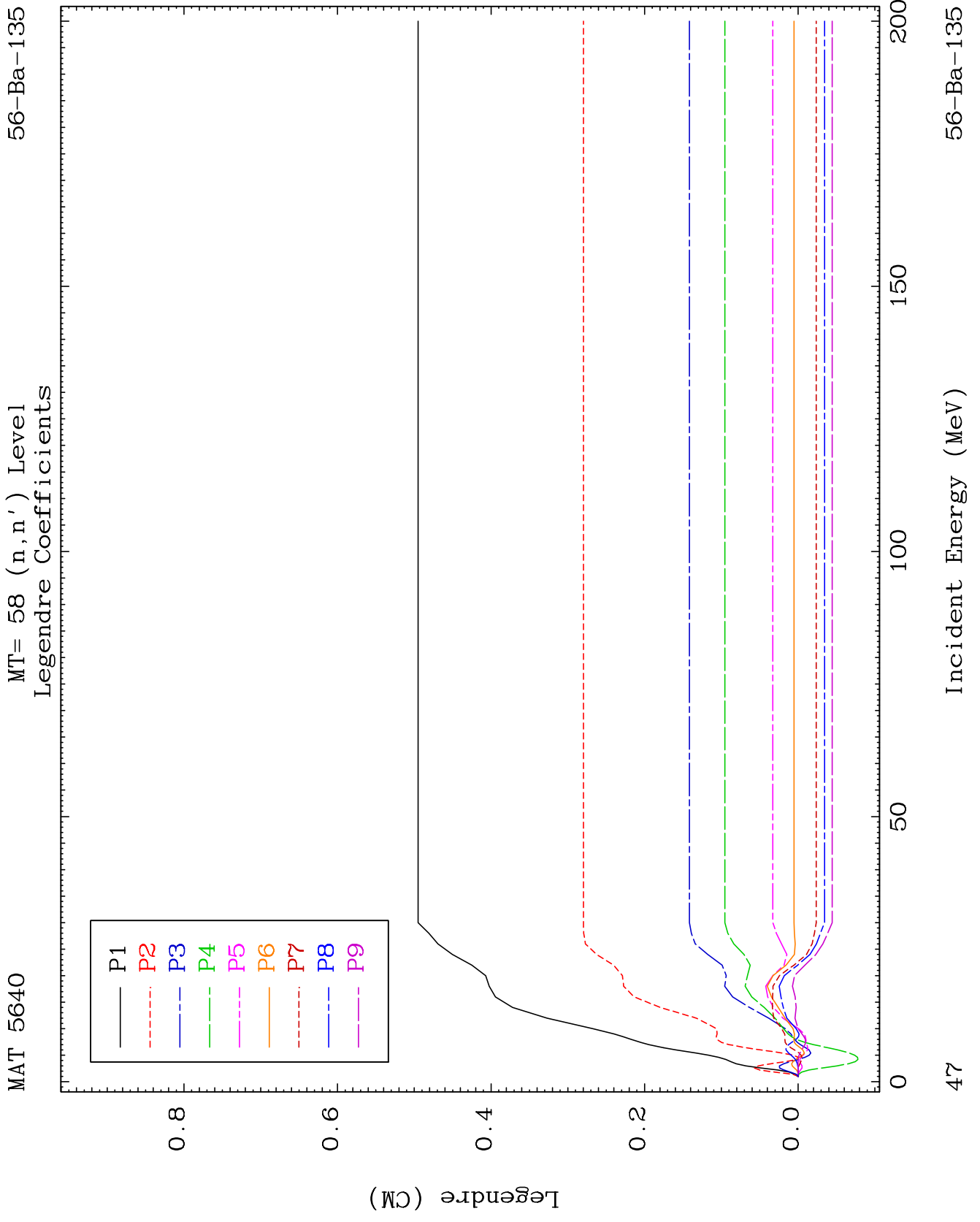
56-Ba-135



46

Incident Energy (MeV)

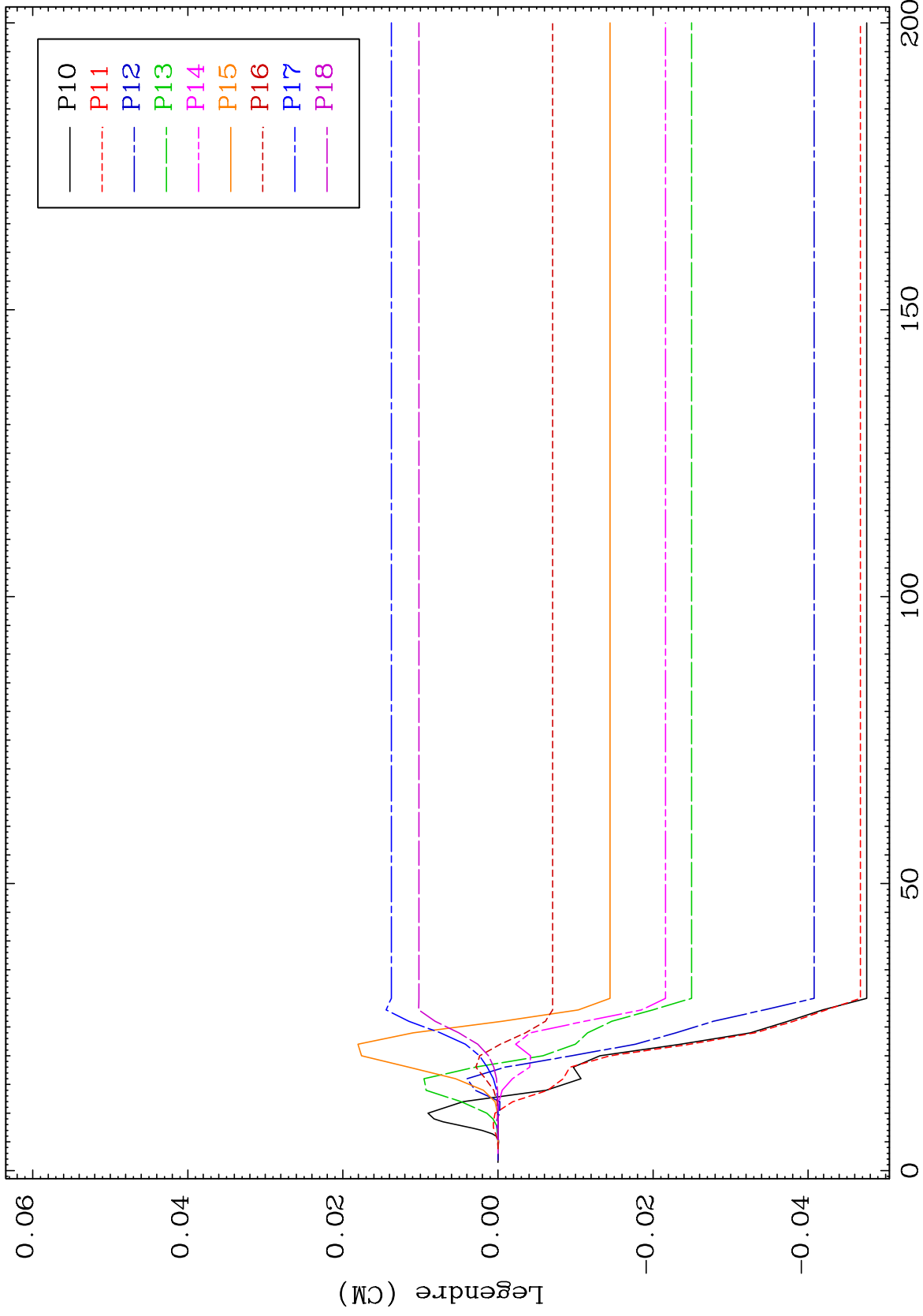
56-Ba-135



MAT 5640

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

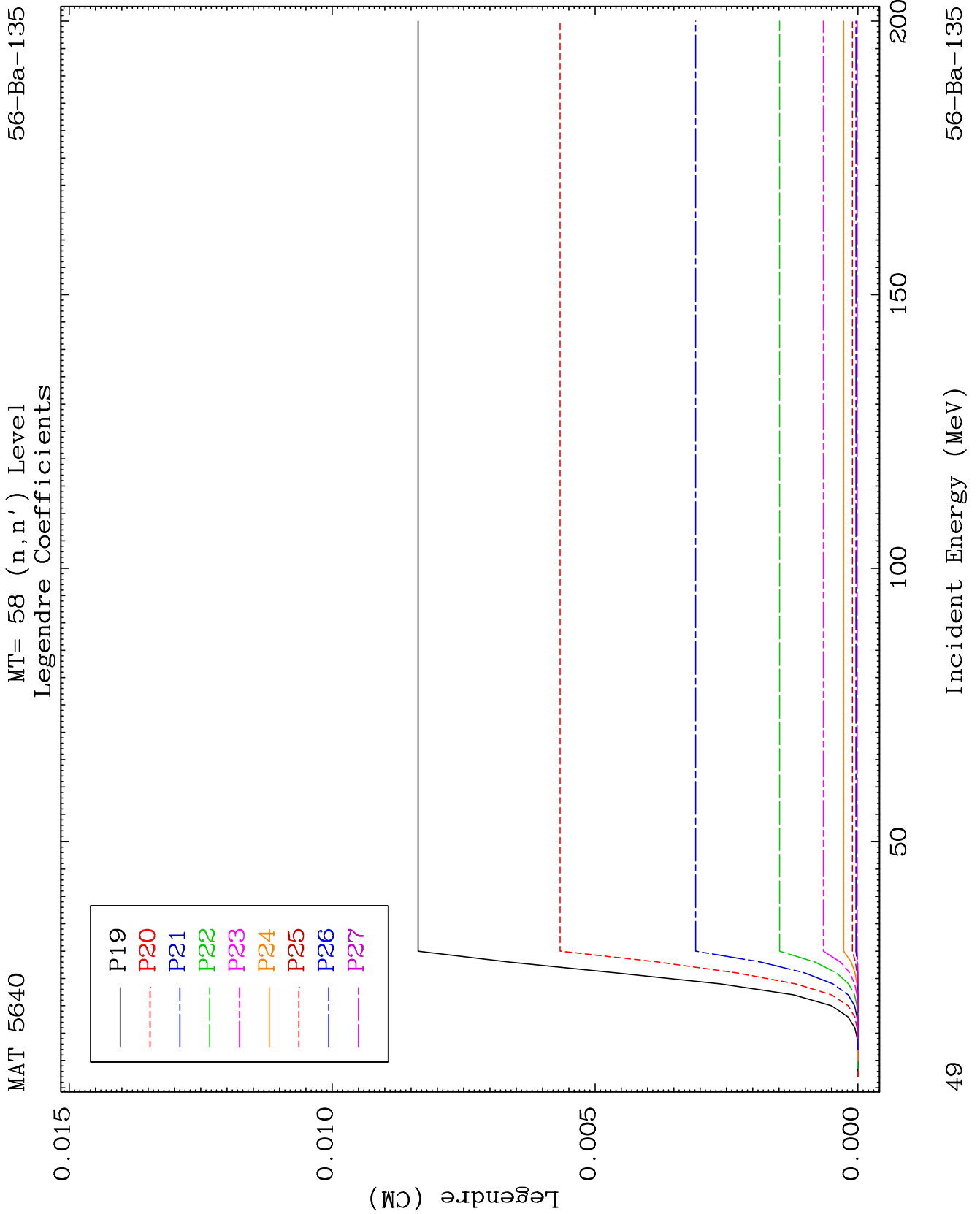
56-Ba-135

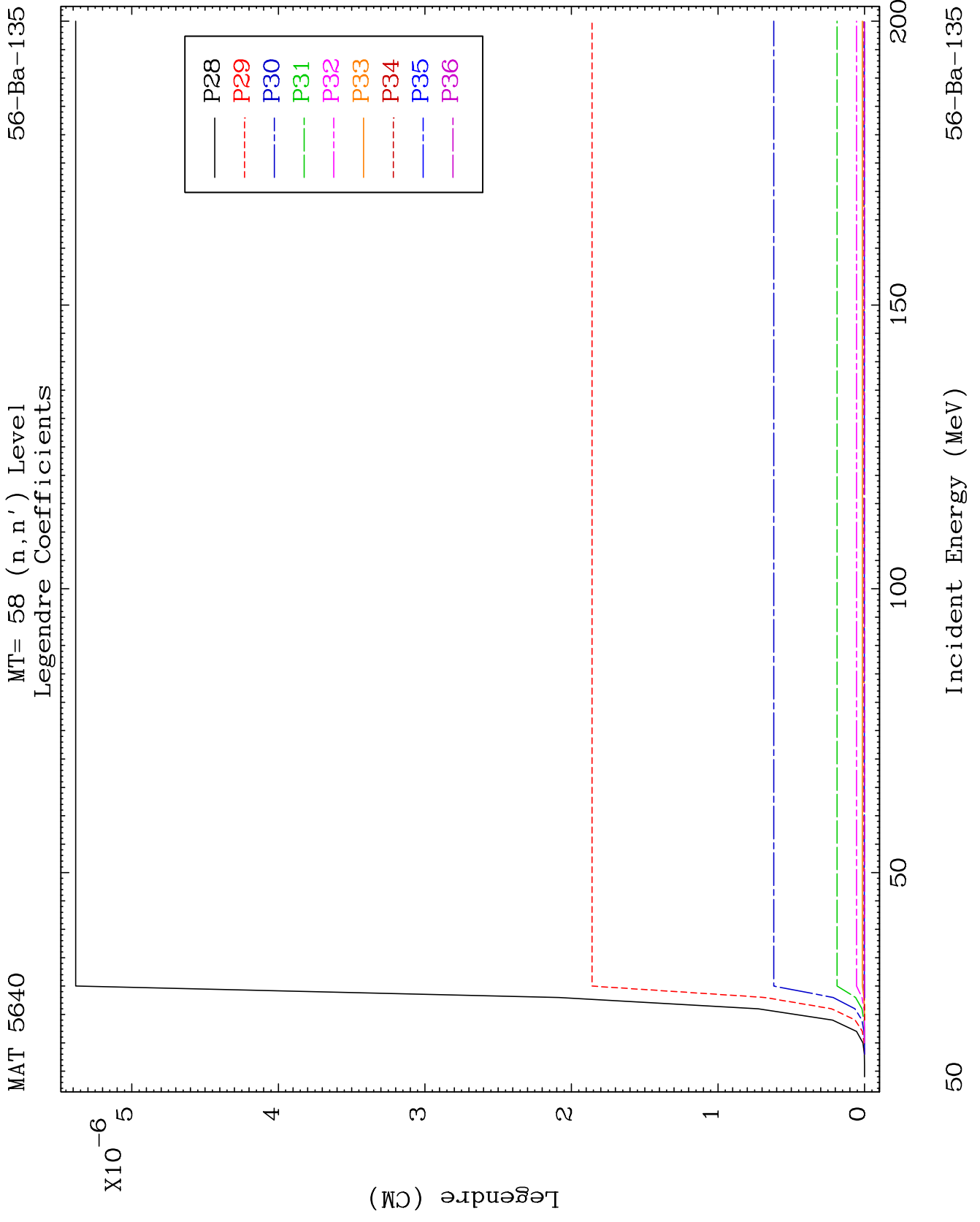


48

Incident Energy (MeV)

56-Ba-135

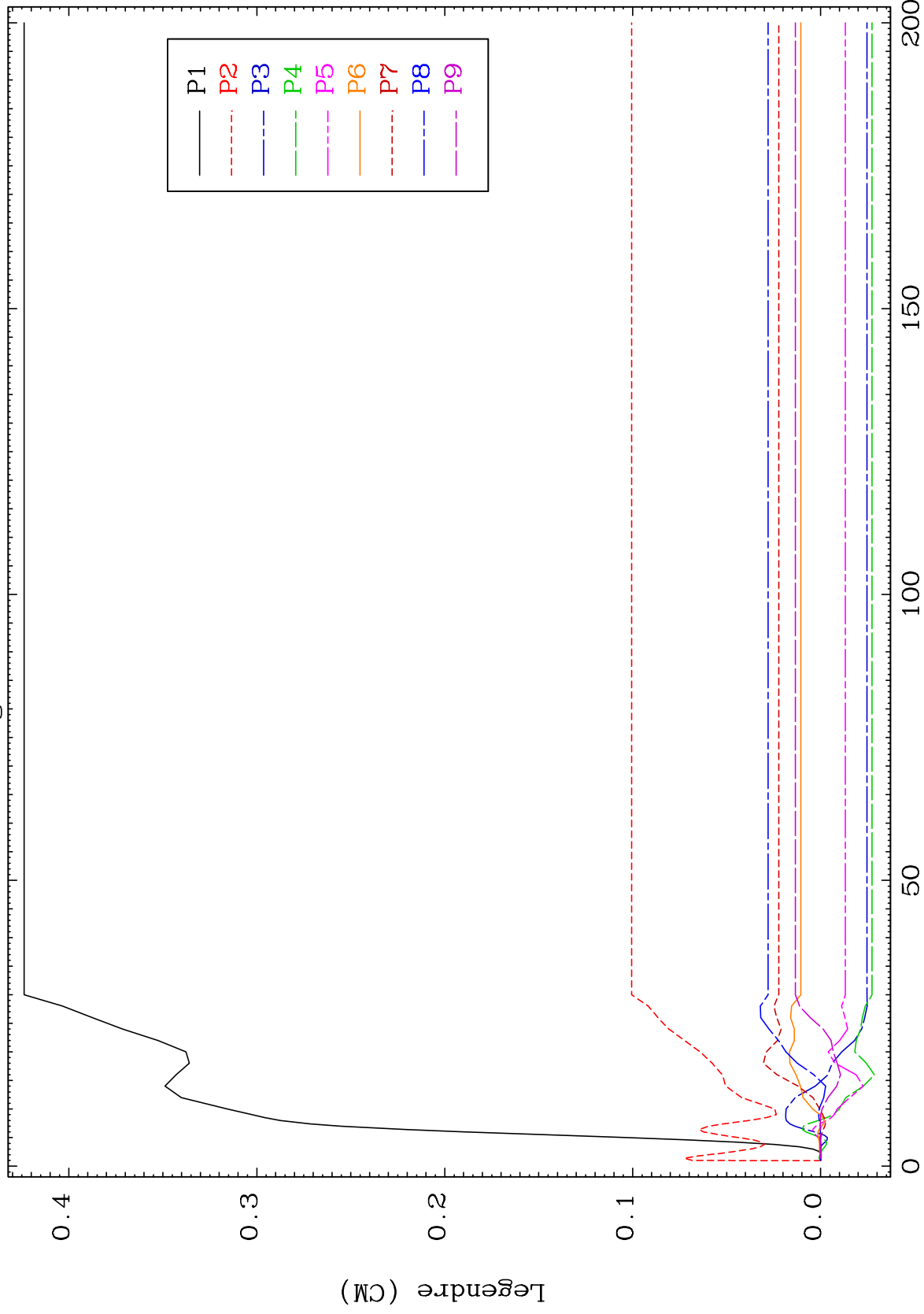




MAT 5640

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

56-Ba-135



51

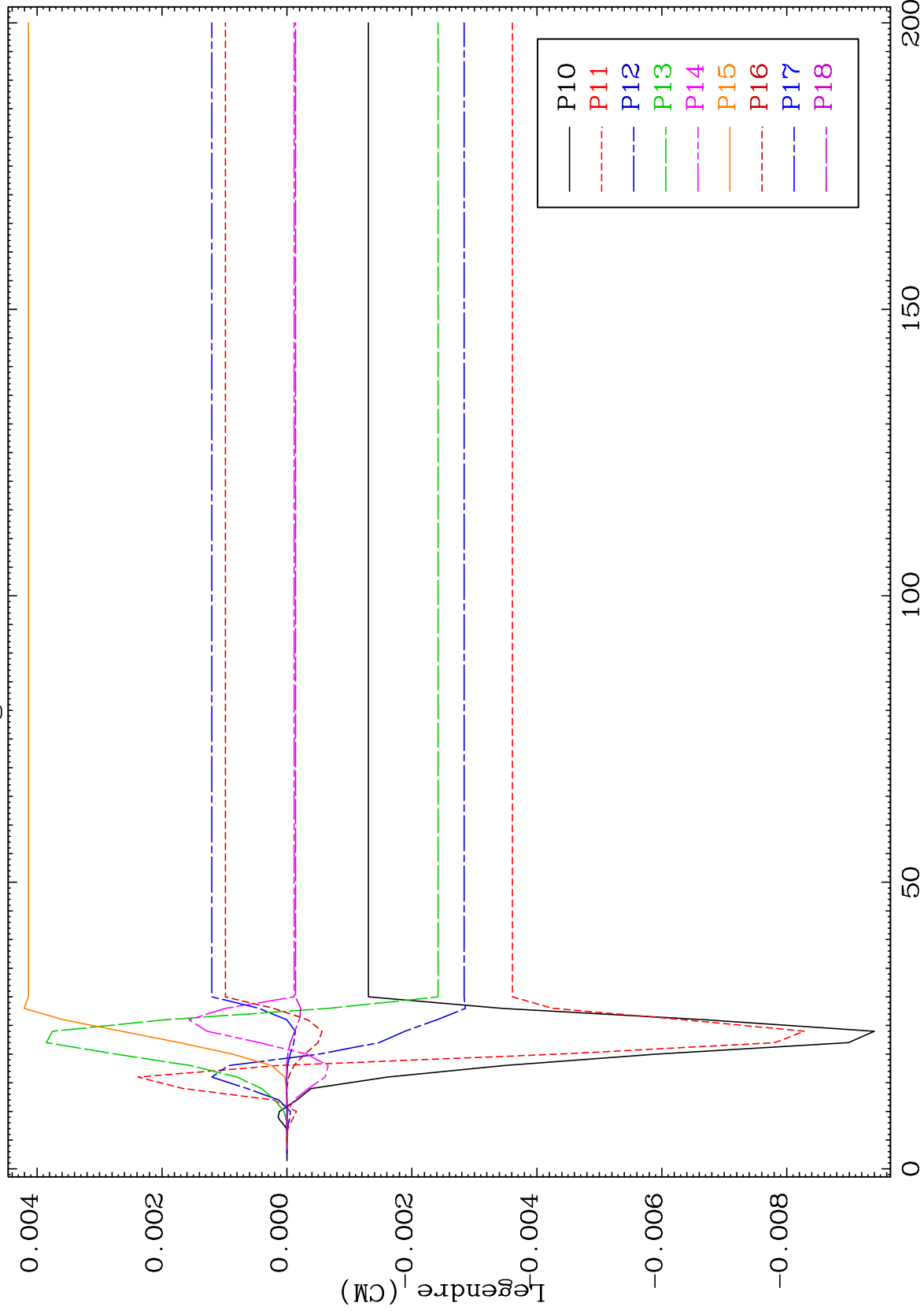
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

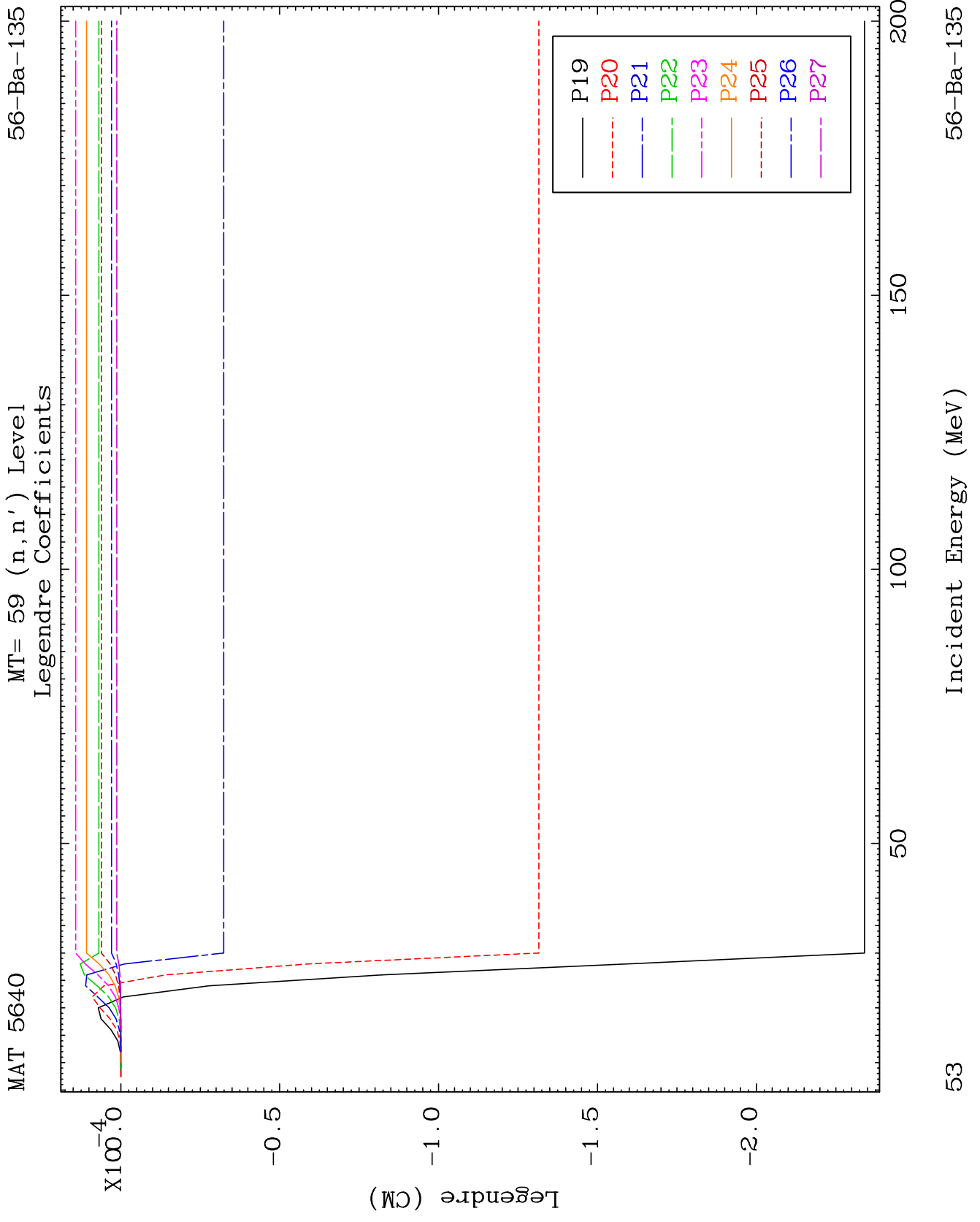
56-Ba-135



52

Incident Energy (MeV)

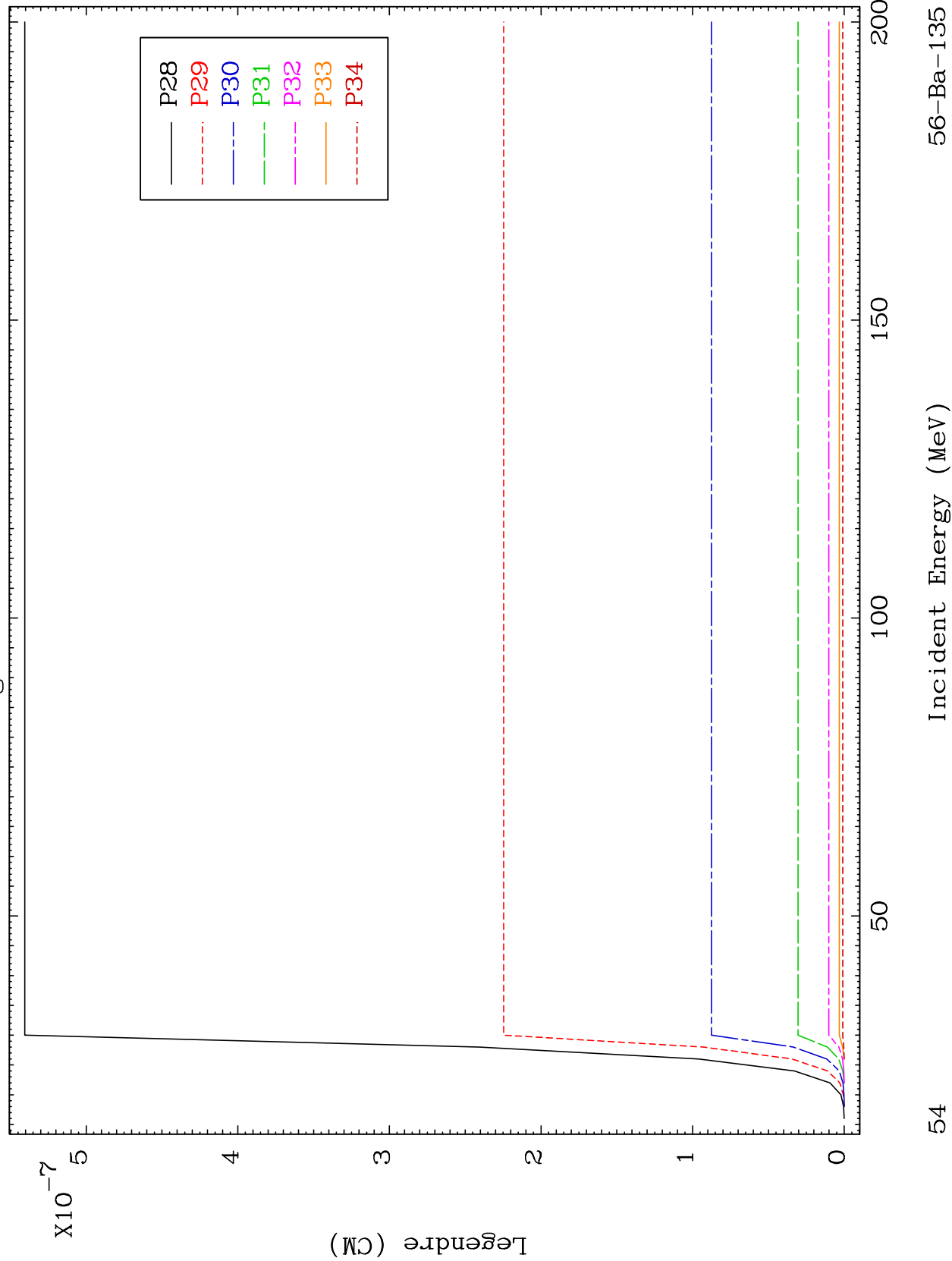
56-Ba-135



MAT 5640

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

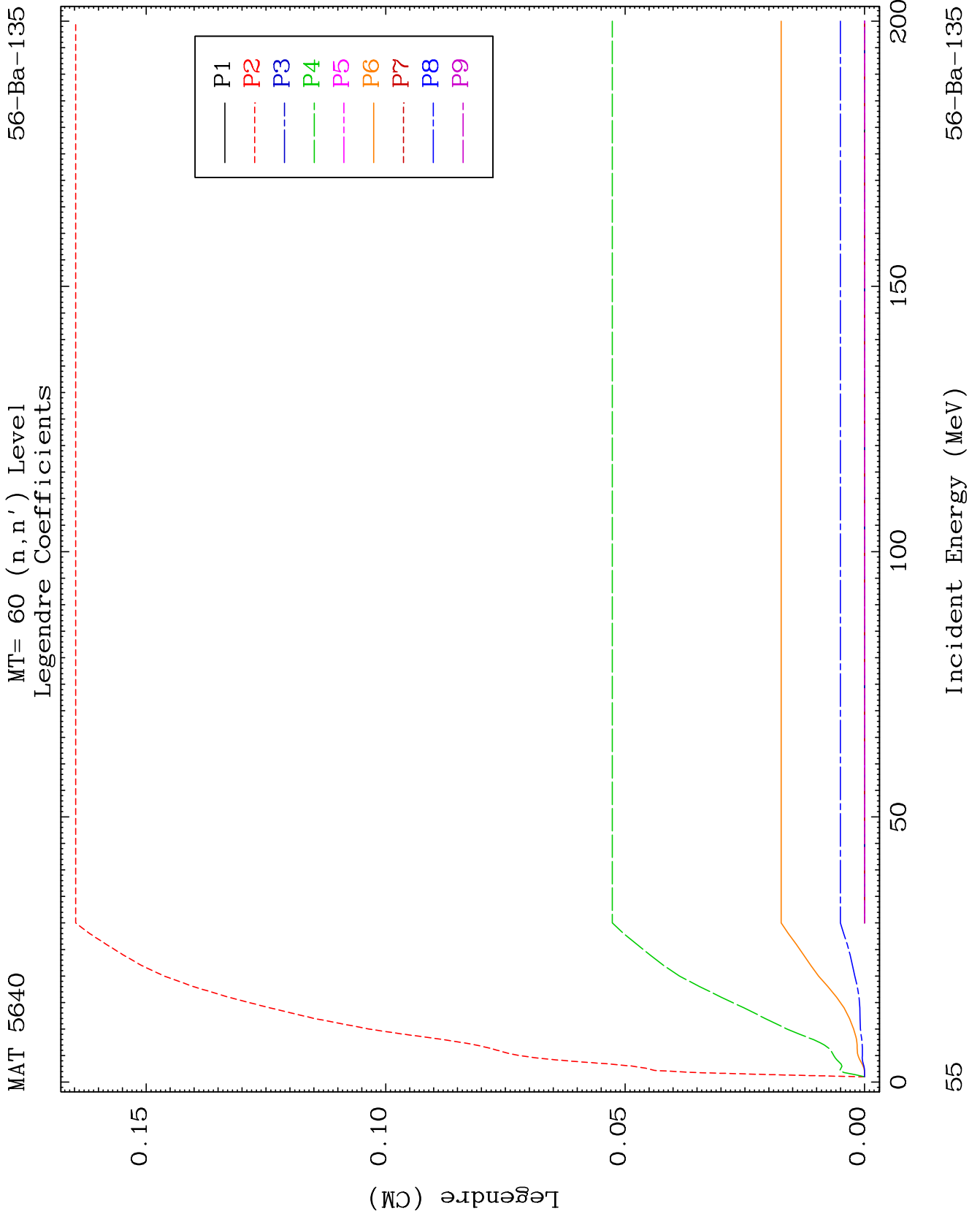
56-Ba-135



54

Incident Energy (MeV)

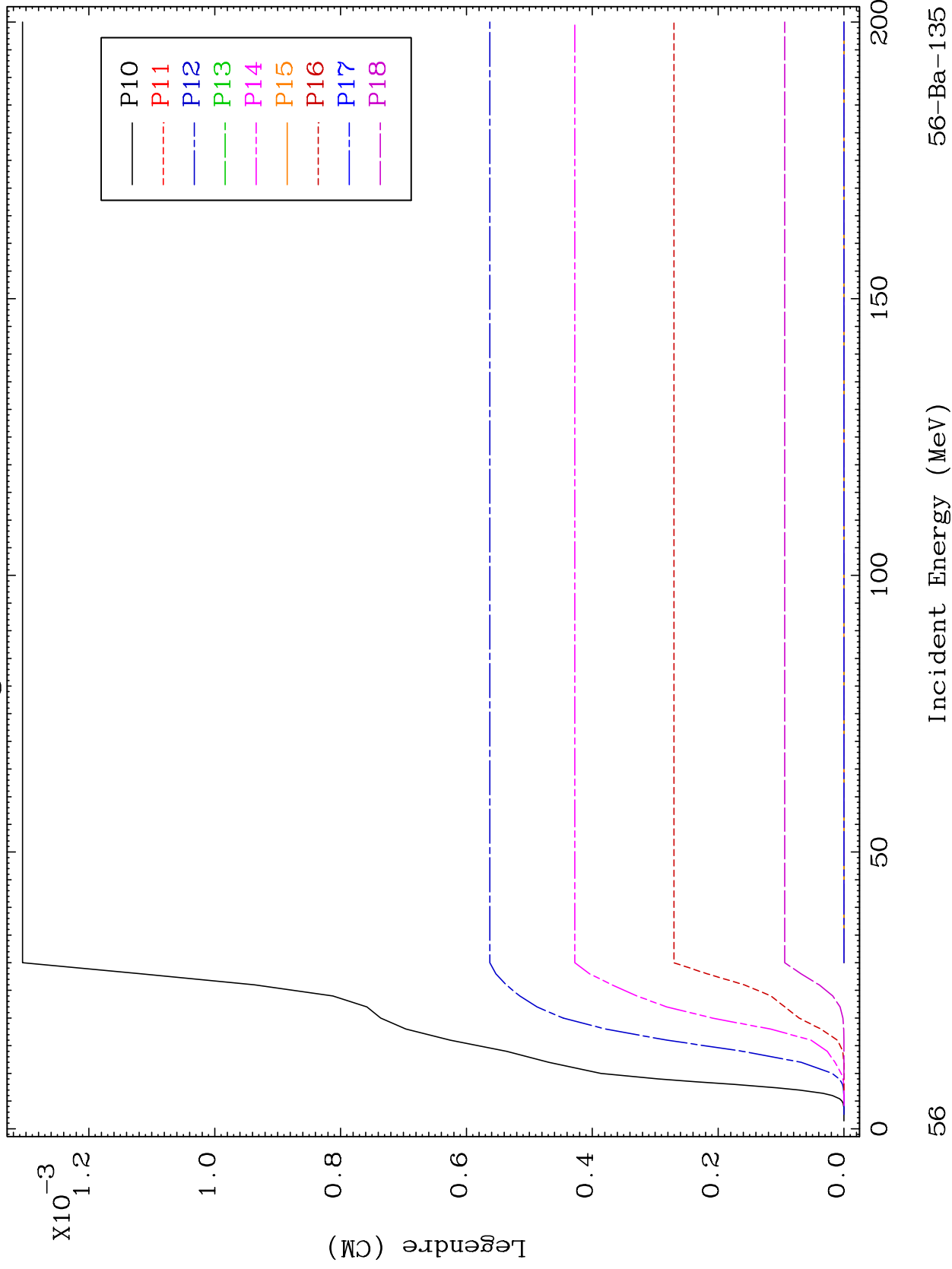
56-Ba-135



MAT 5640

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

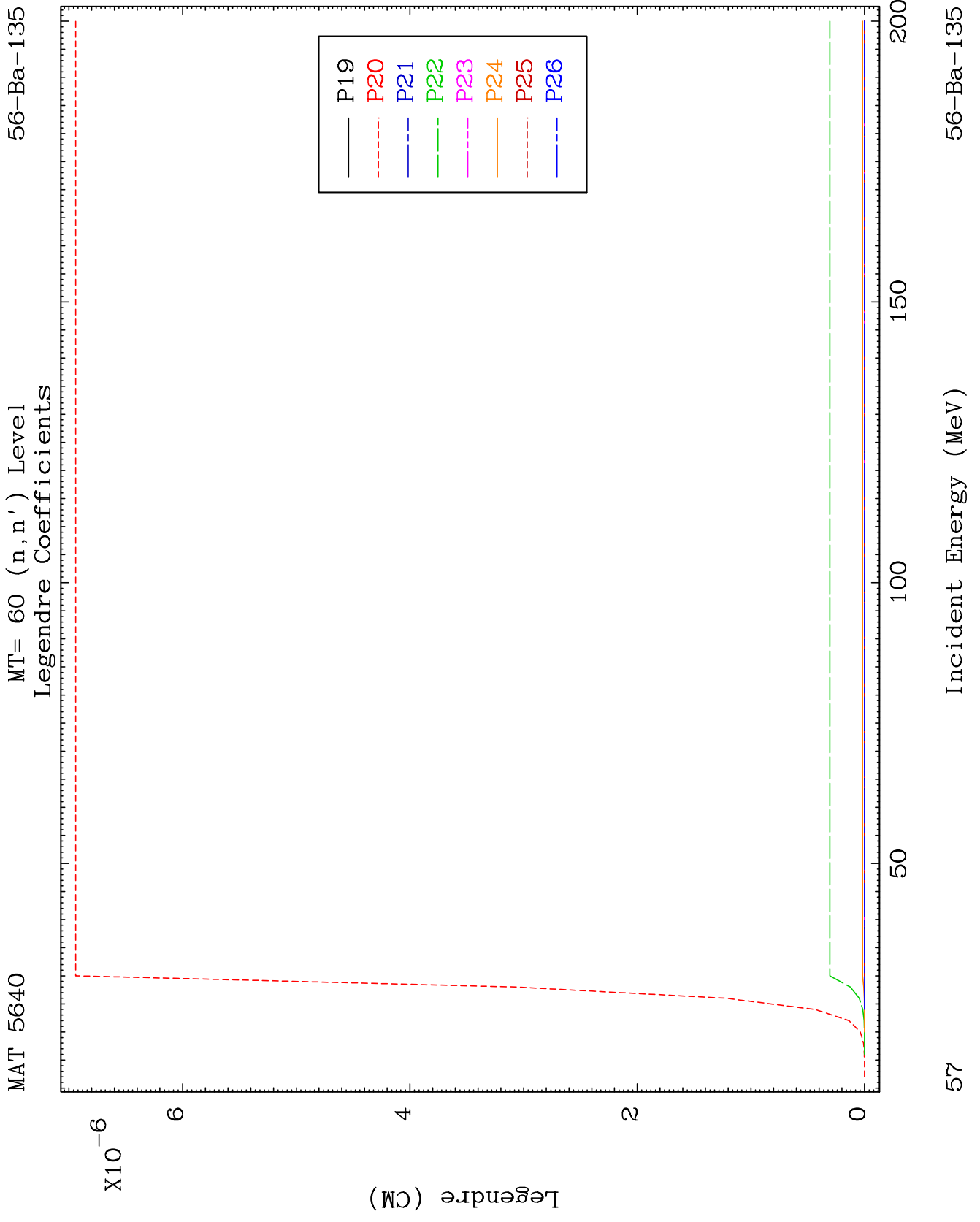
56-Ba-135



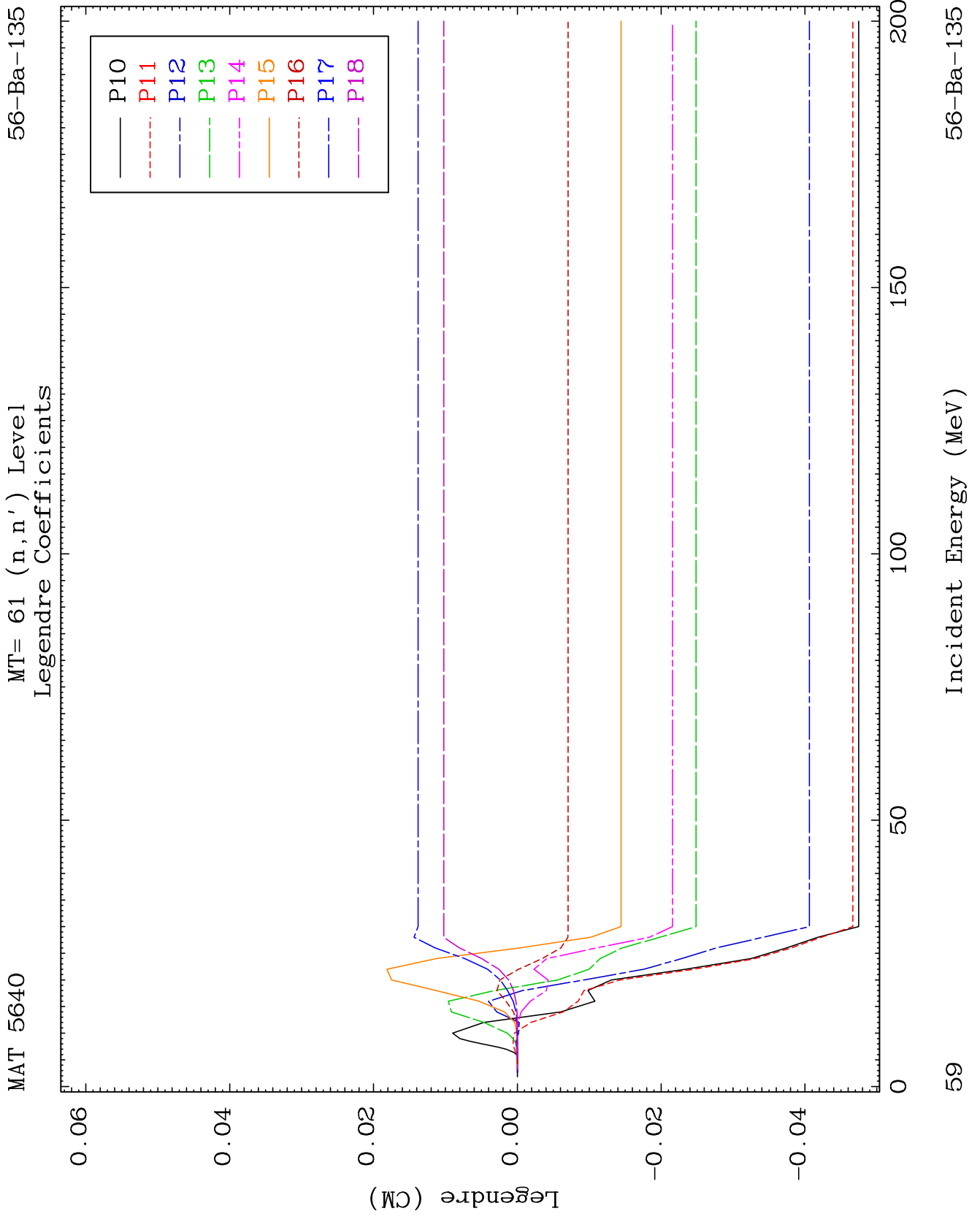
56-Ba-135

Incident Energy (MeV)

56





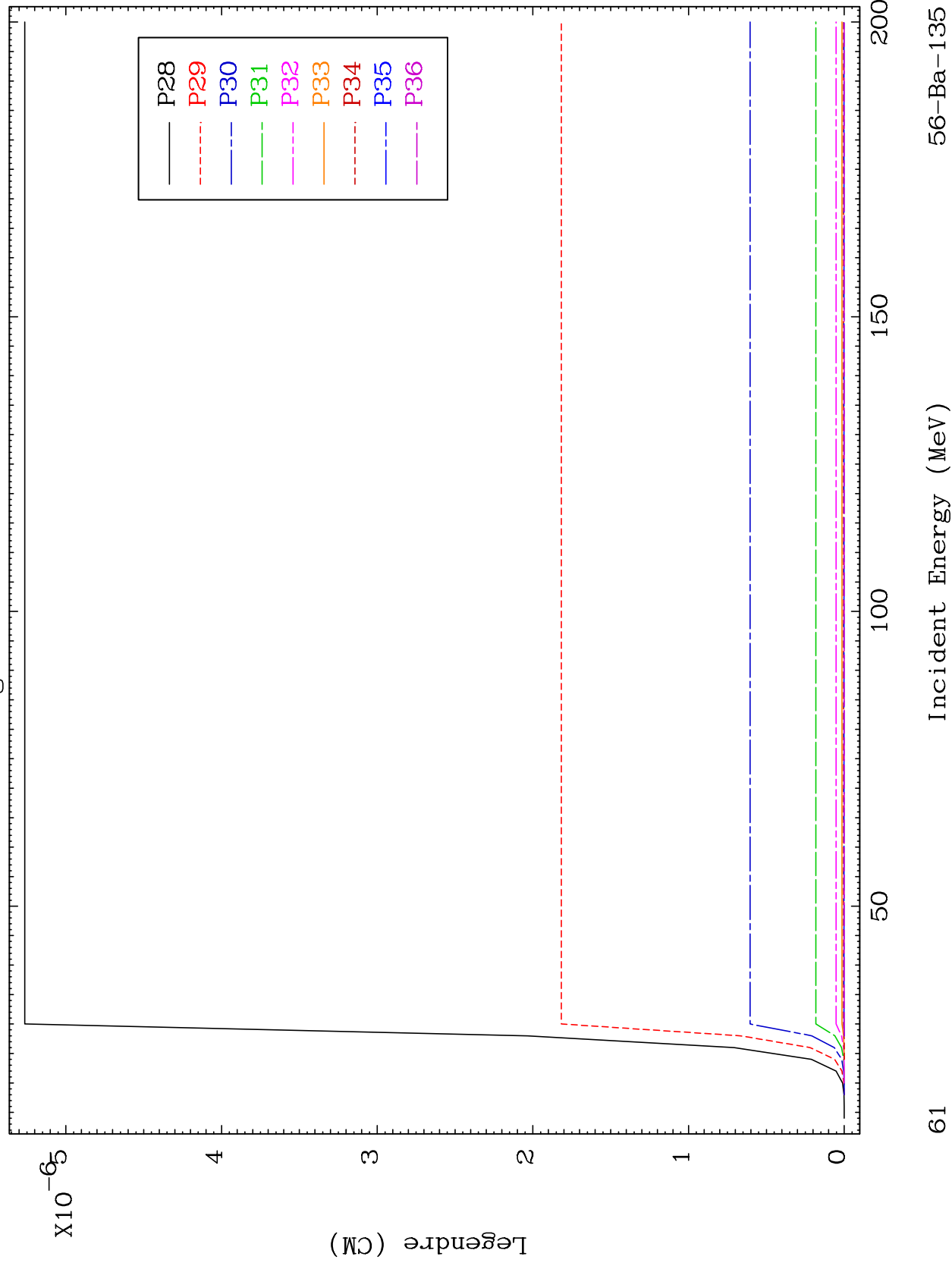




MAT 5640

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

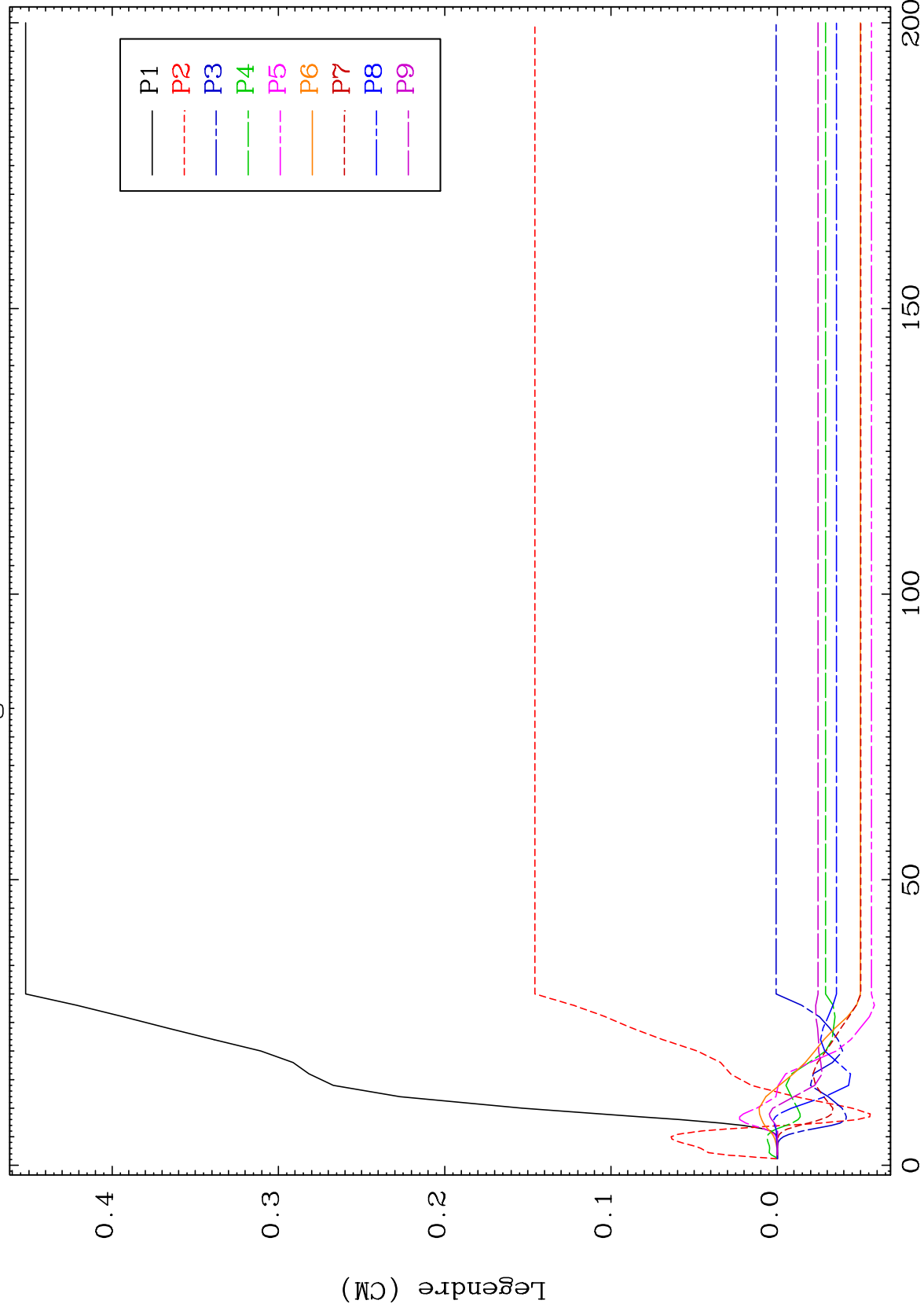
56-Ba-135



MAT 5640

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

56-Ba-135



56-Ba-135

Incident Energy (MeV)

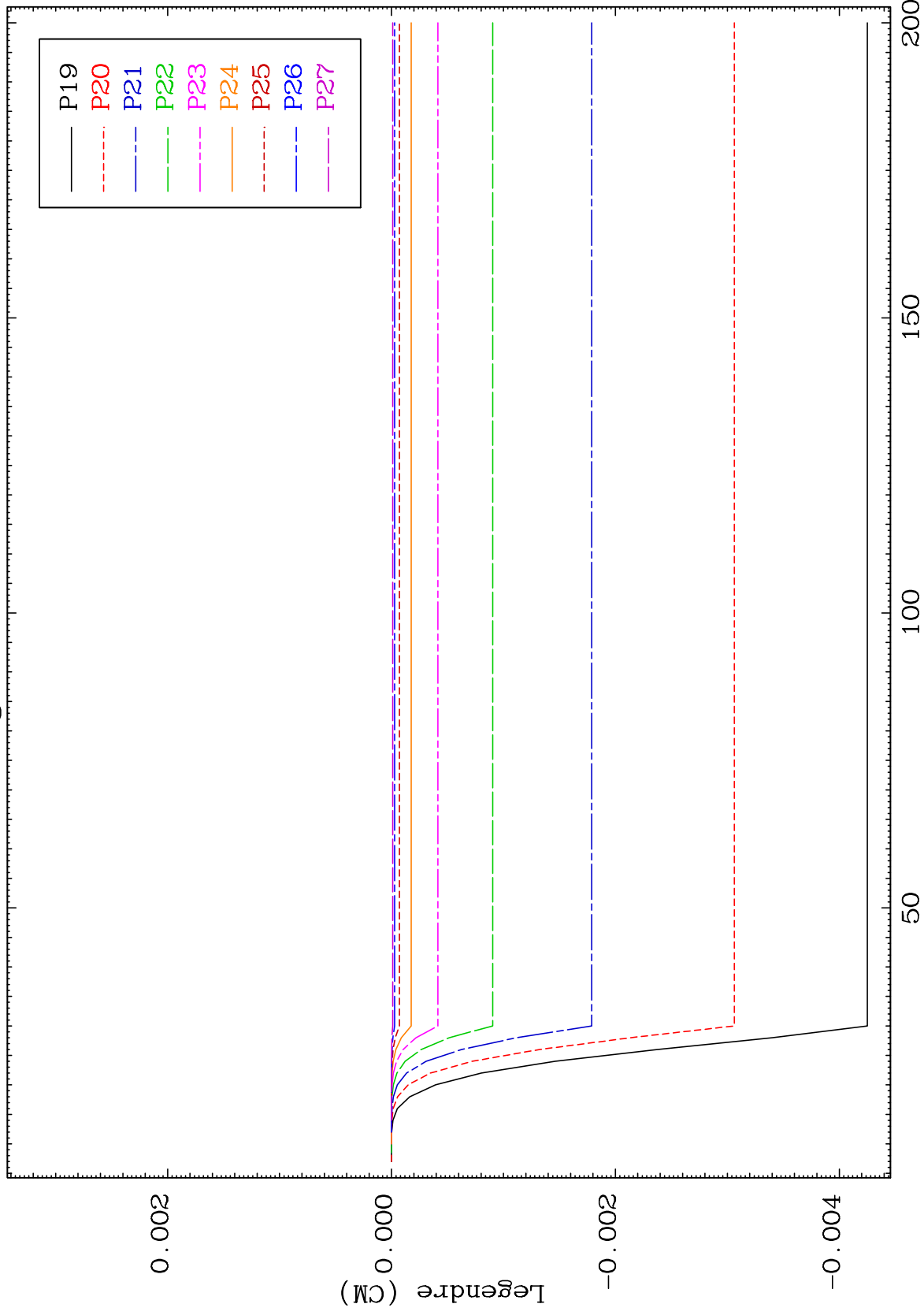
62



MAT 5640

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

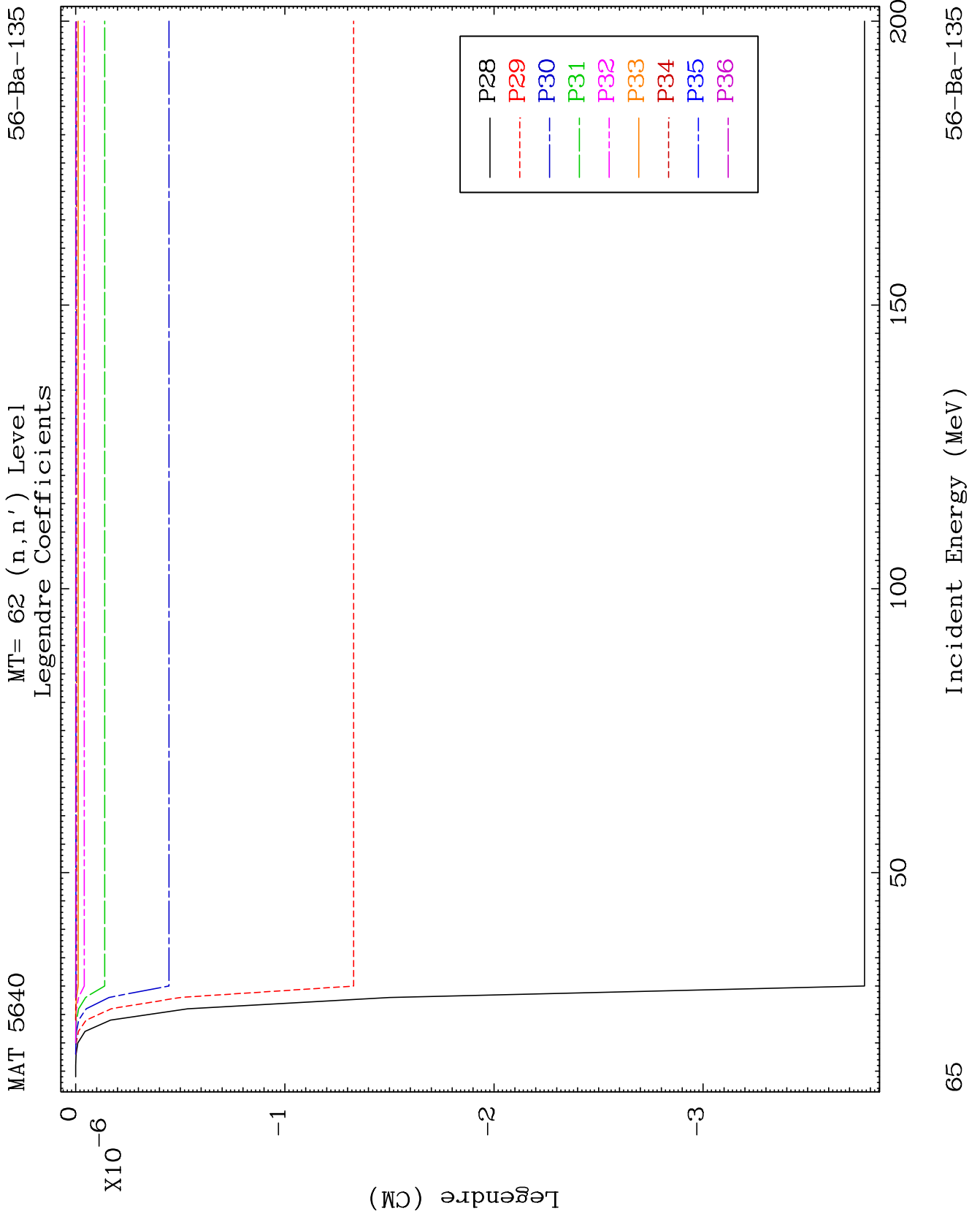
56-Ba-135



64

Incident Energy (MeV)

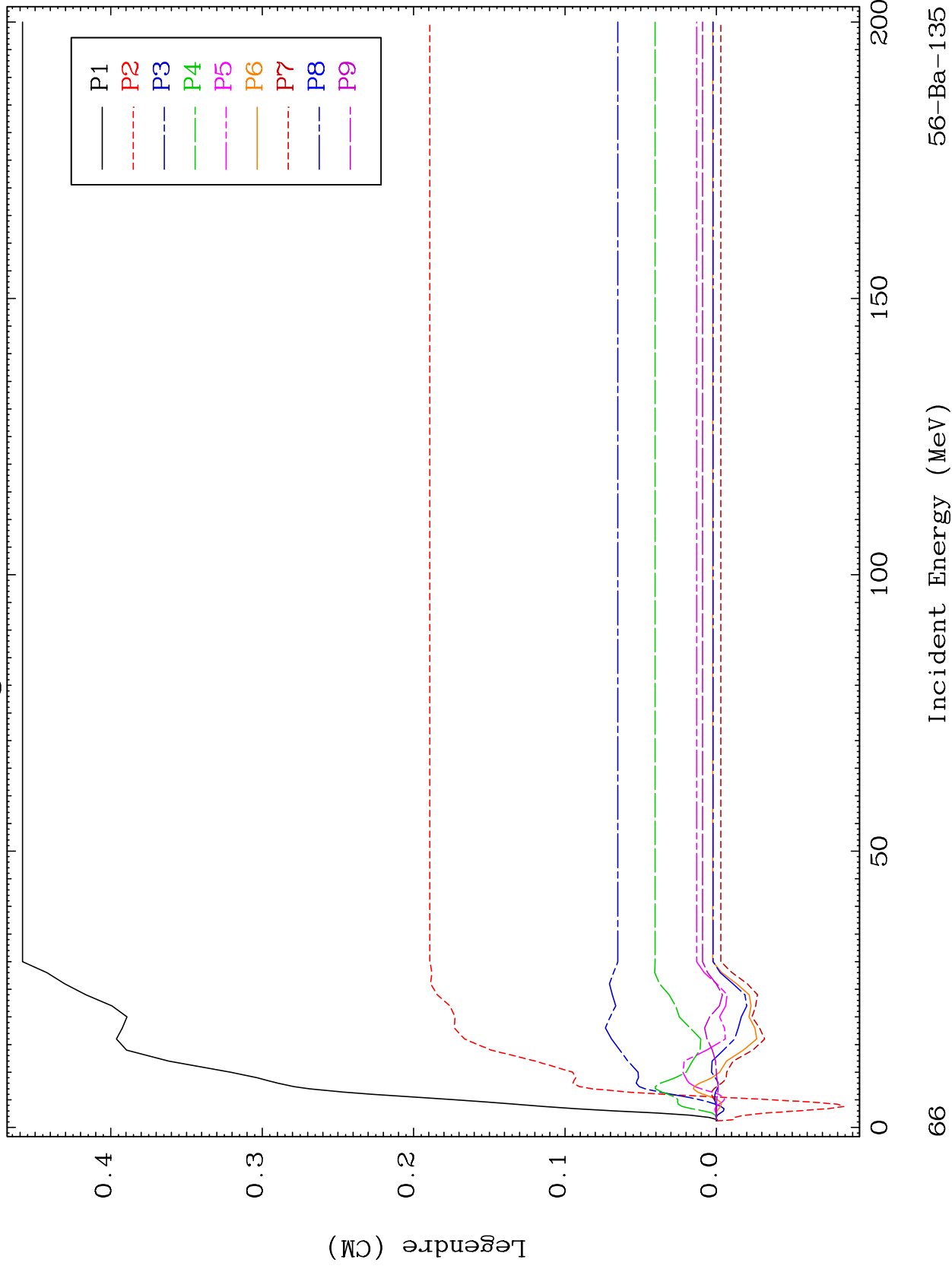
56-Ba-135



MAT 5640

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

56-Ba-135

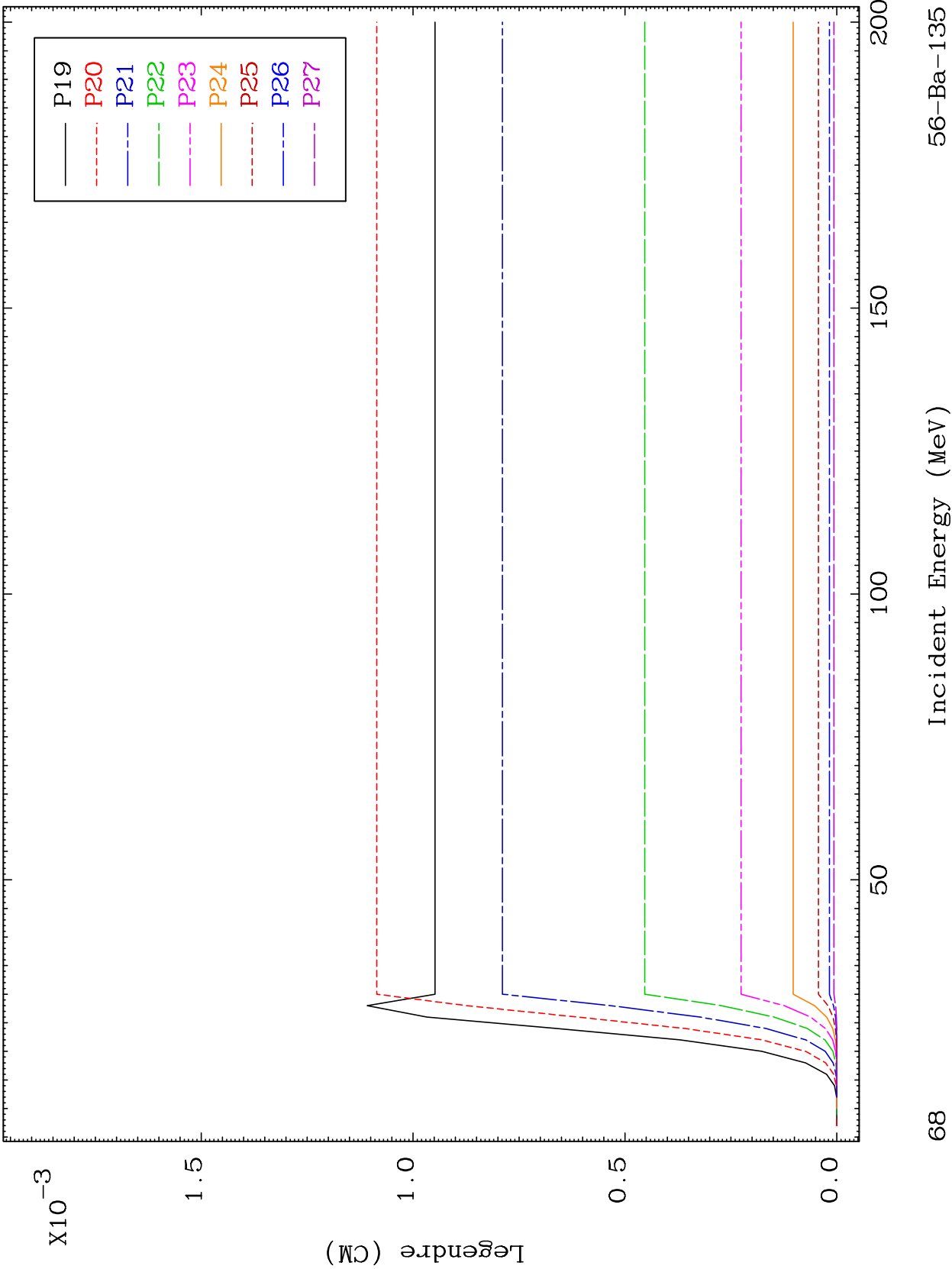




MAT 5640

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

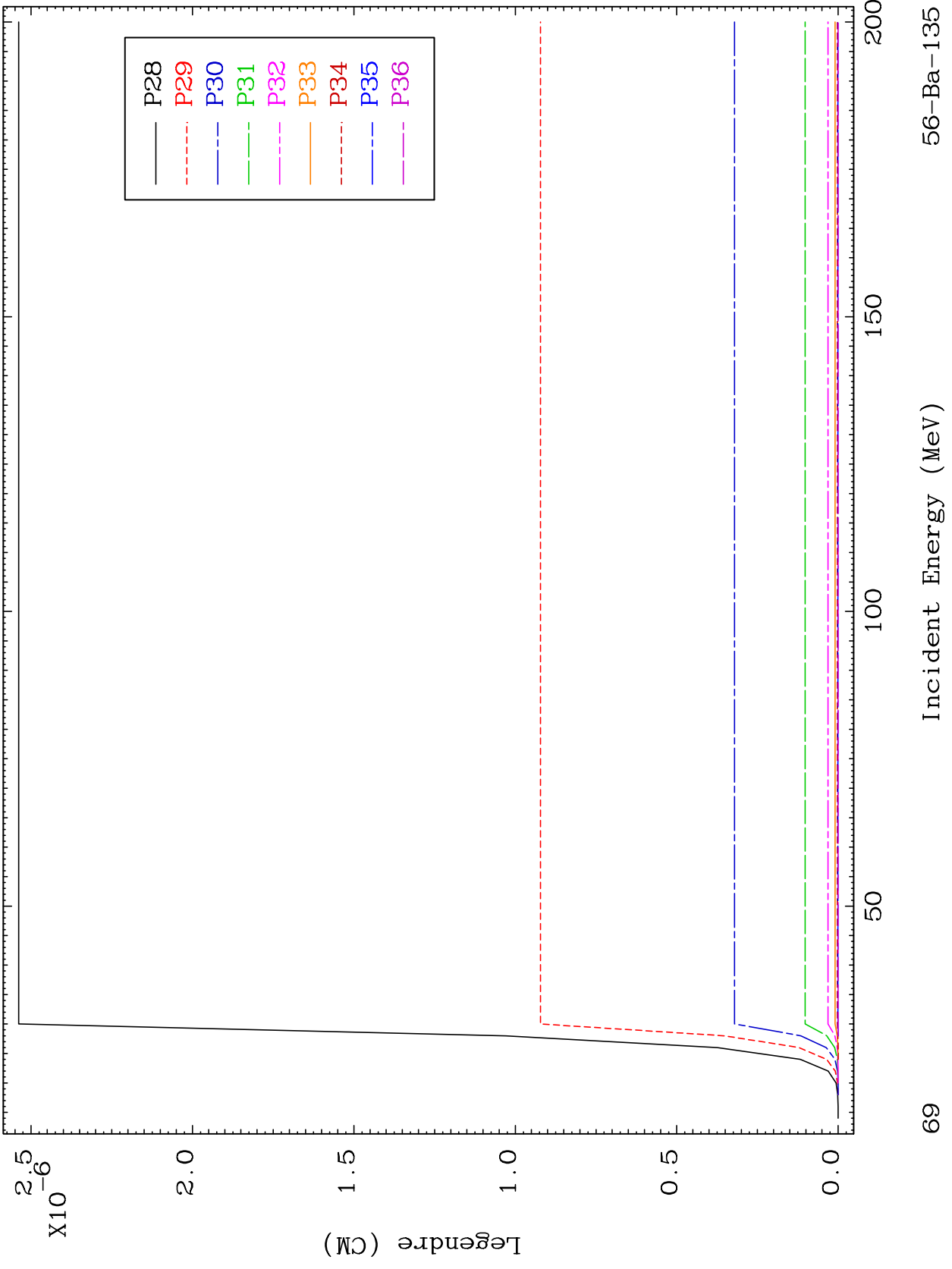
56-Ba-135



MAT 5640

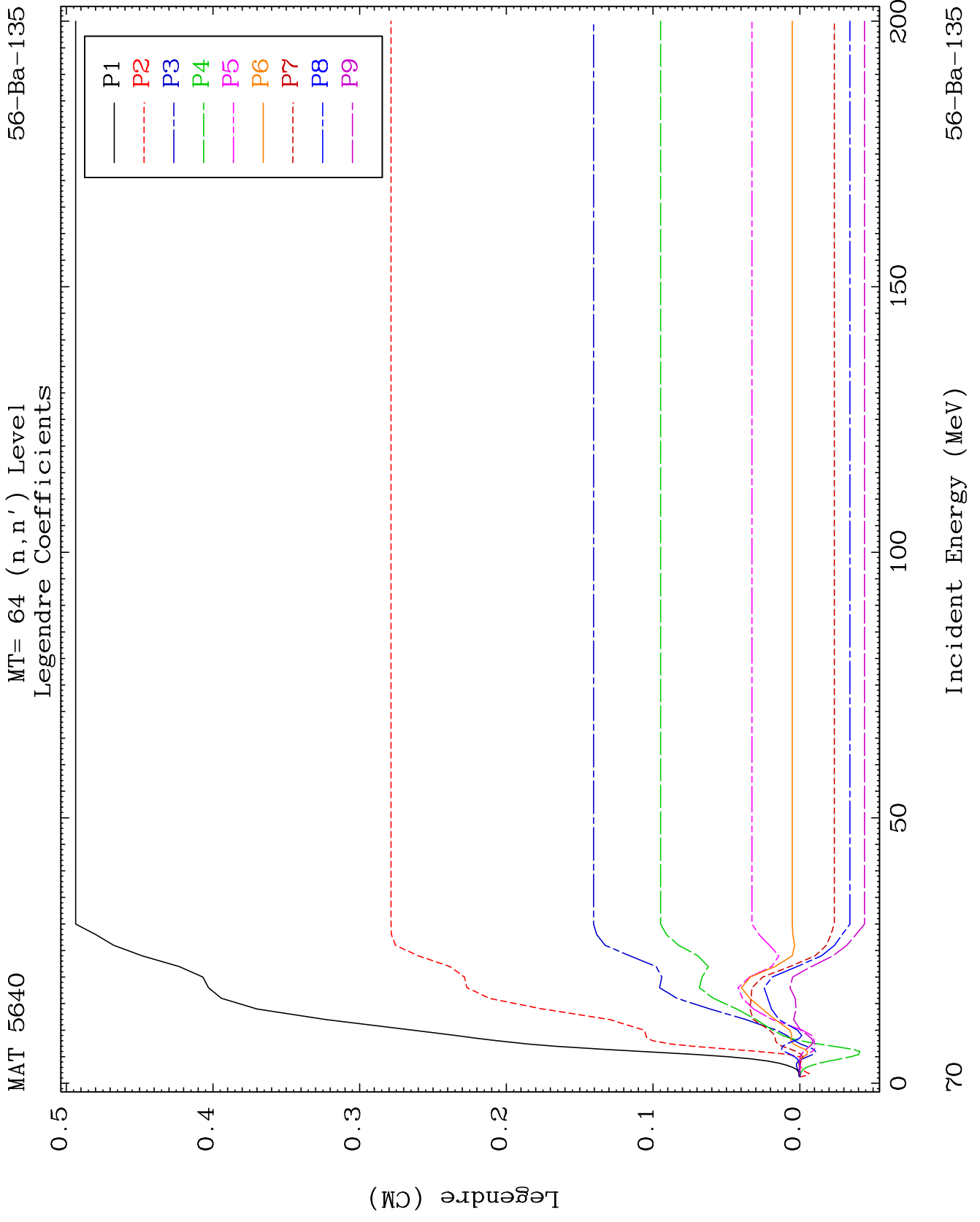
MT= 63 (n,n') Level  
Legendre Coefficients

56-Ba-135



69

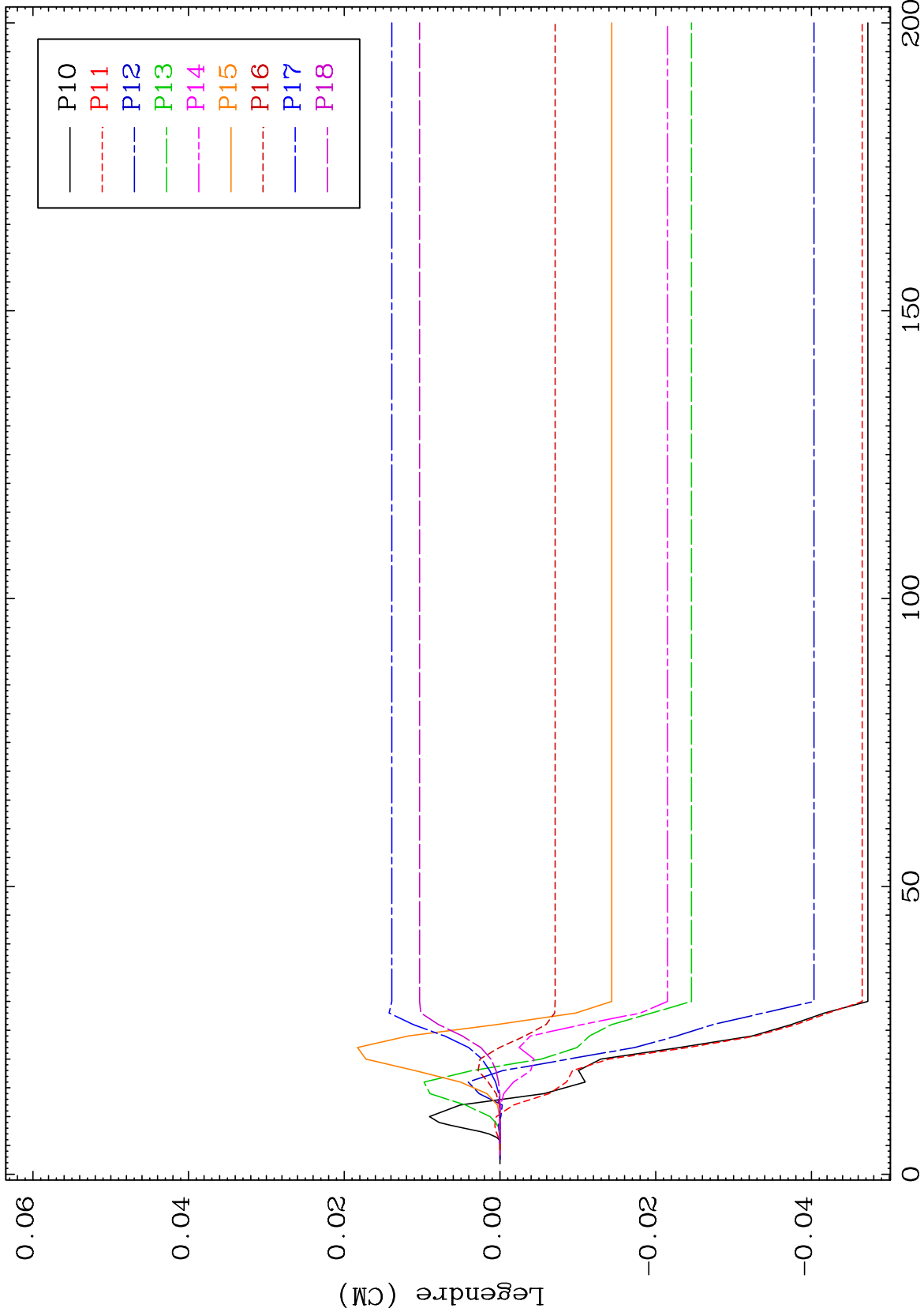
56-Ba-135



MAT 5640

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

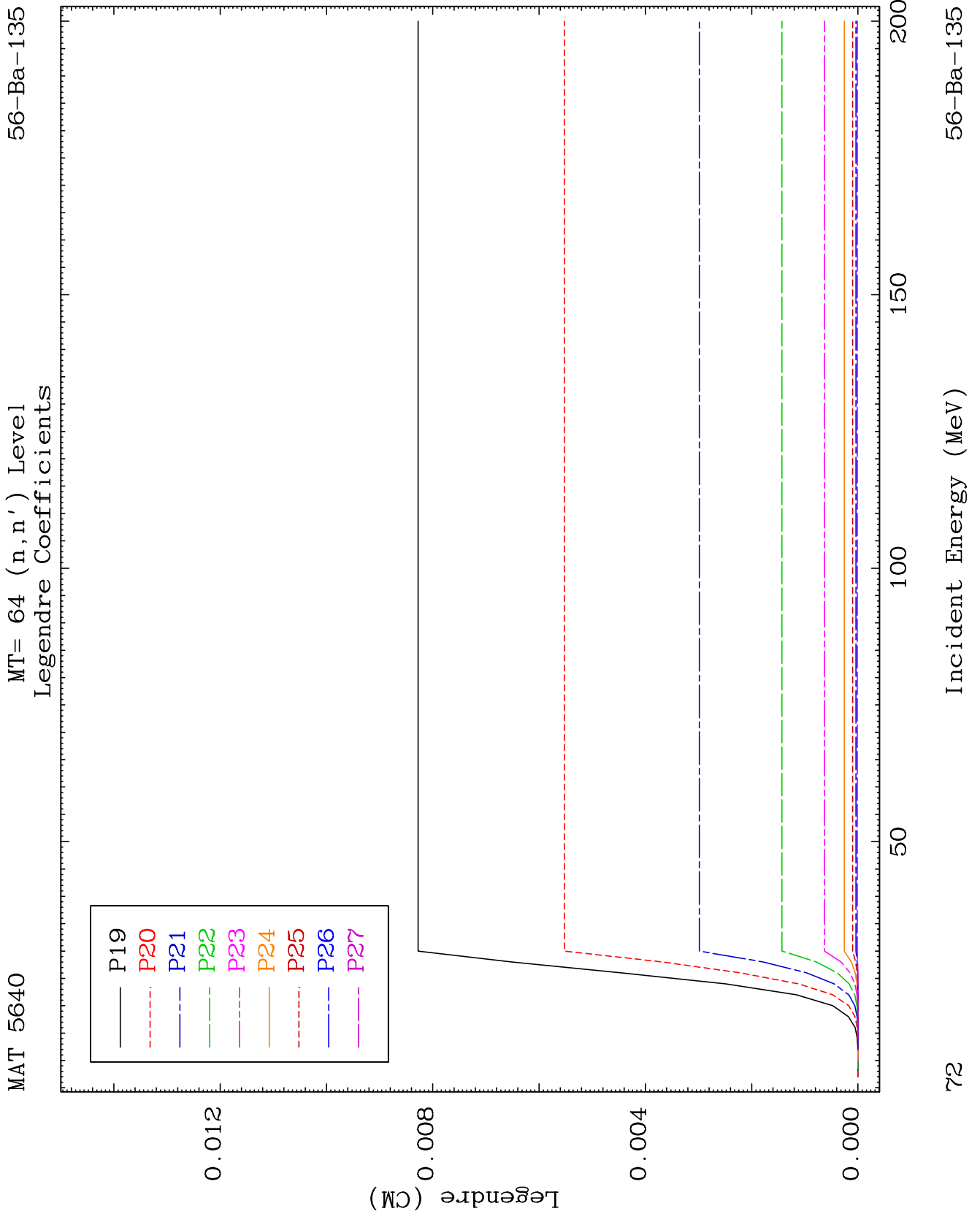
56-Ba-135



71

Incident Energy (MeV)

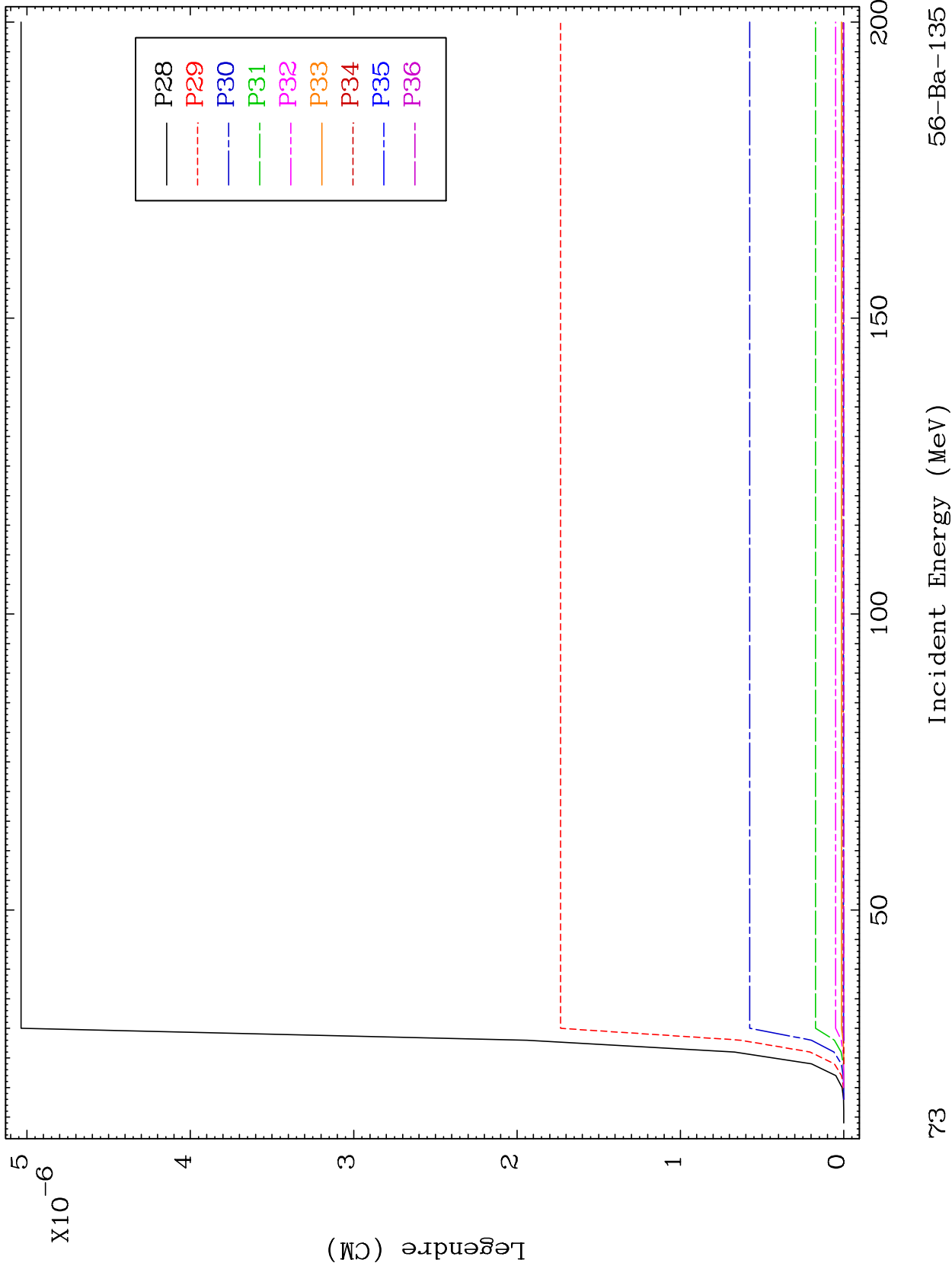
56-Ba-135

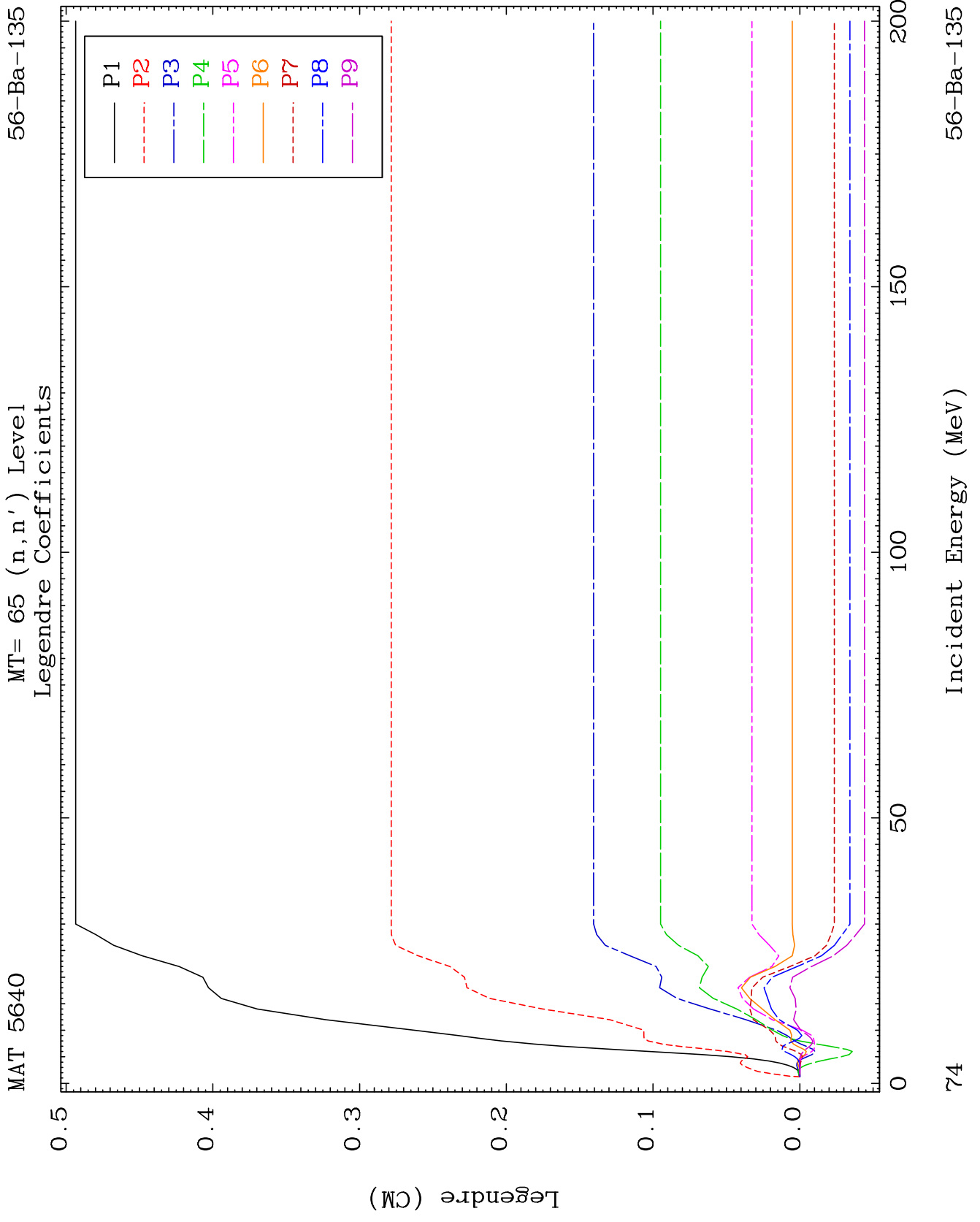


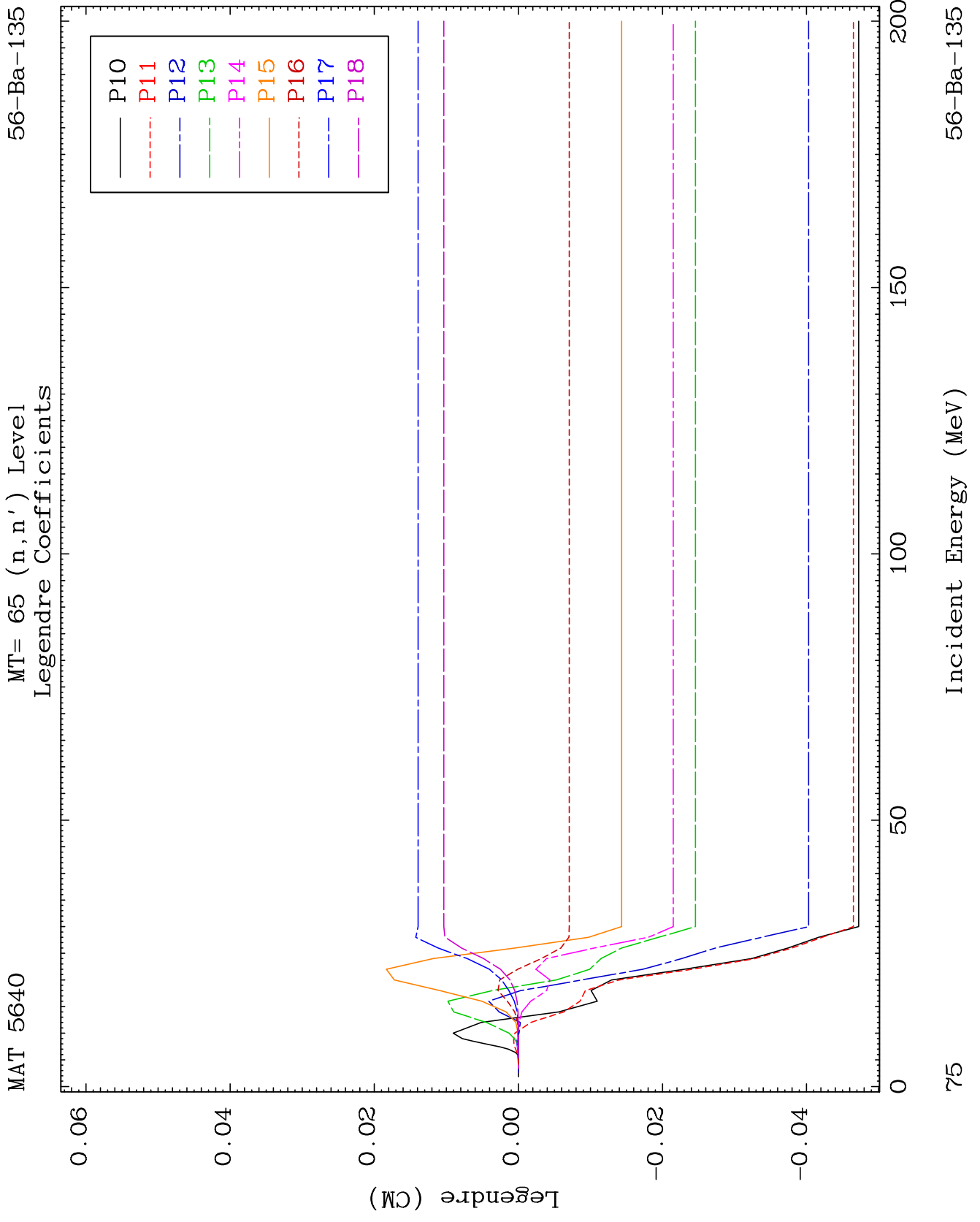
MAT 5640

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

56-Ba-135



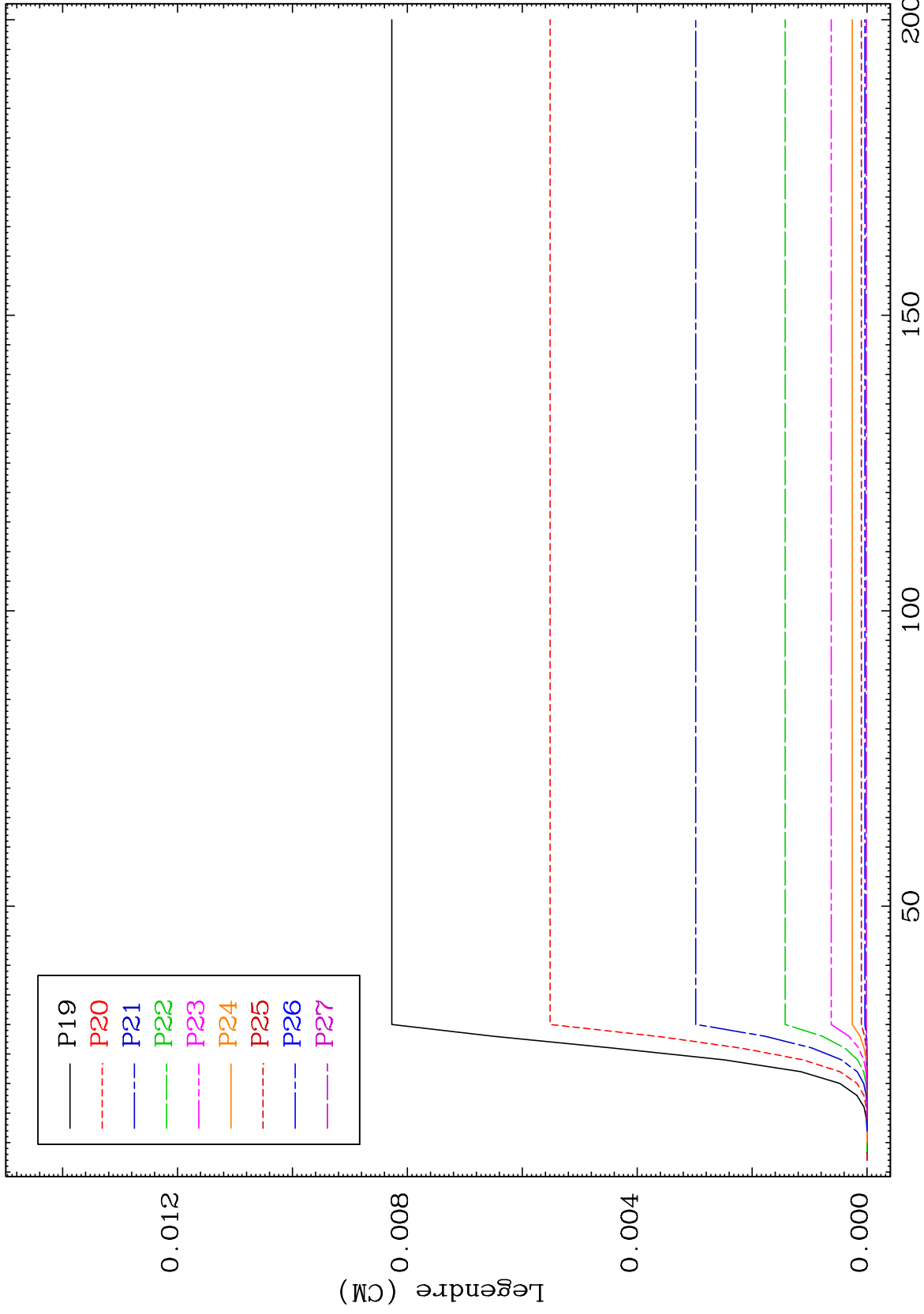




MAT 5640

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

56-Ba-135



76

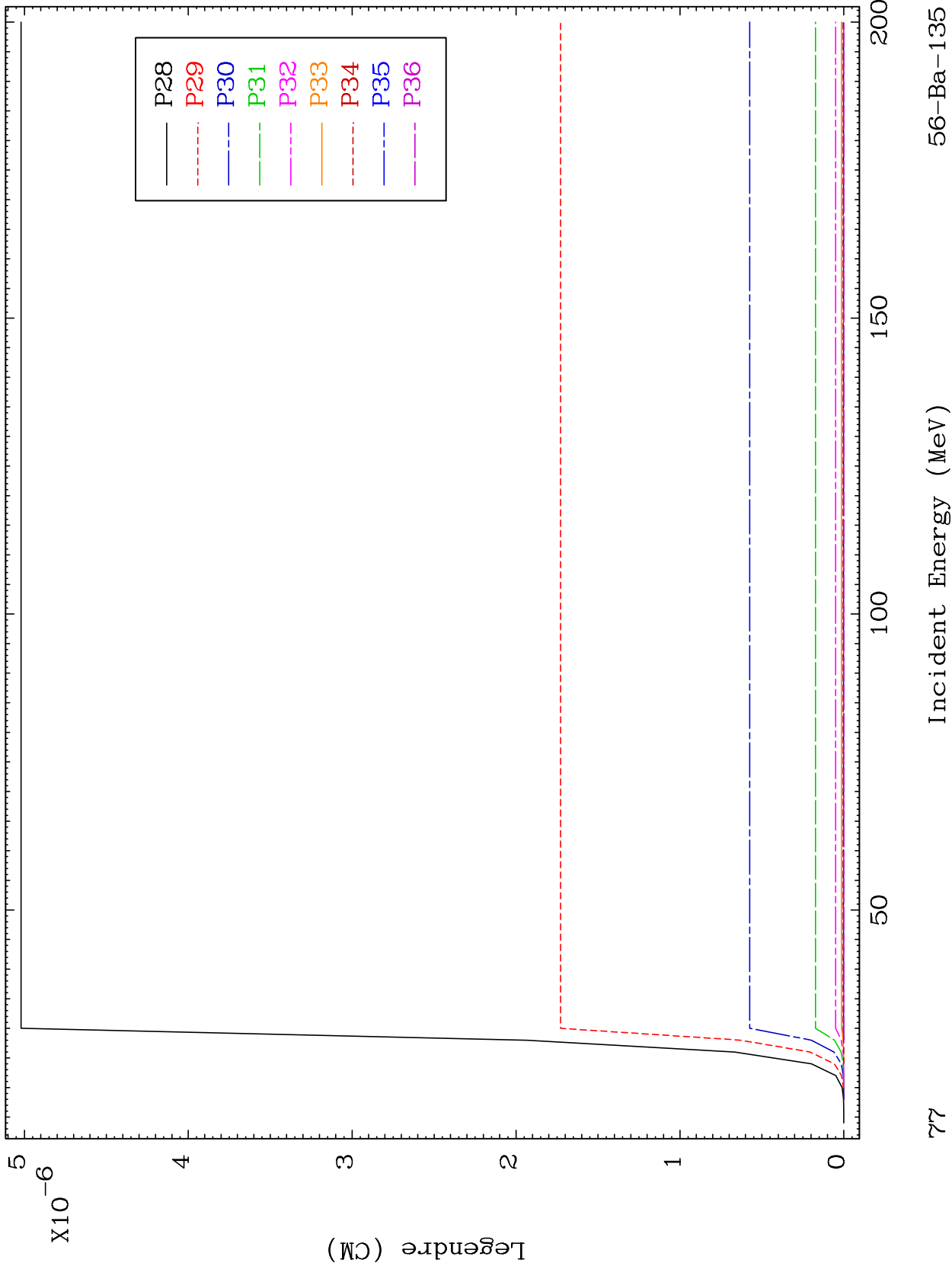
Incident Energy (MeV)

56-Ba-135

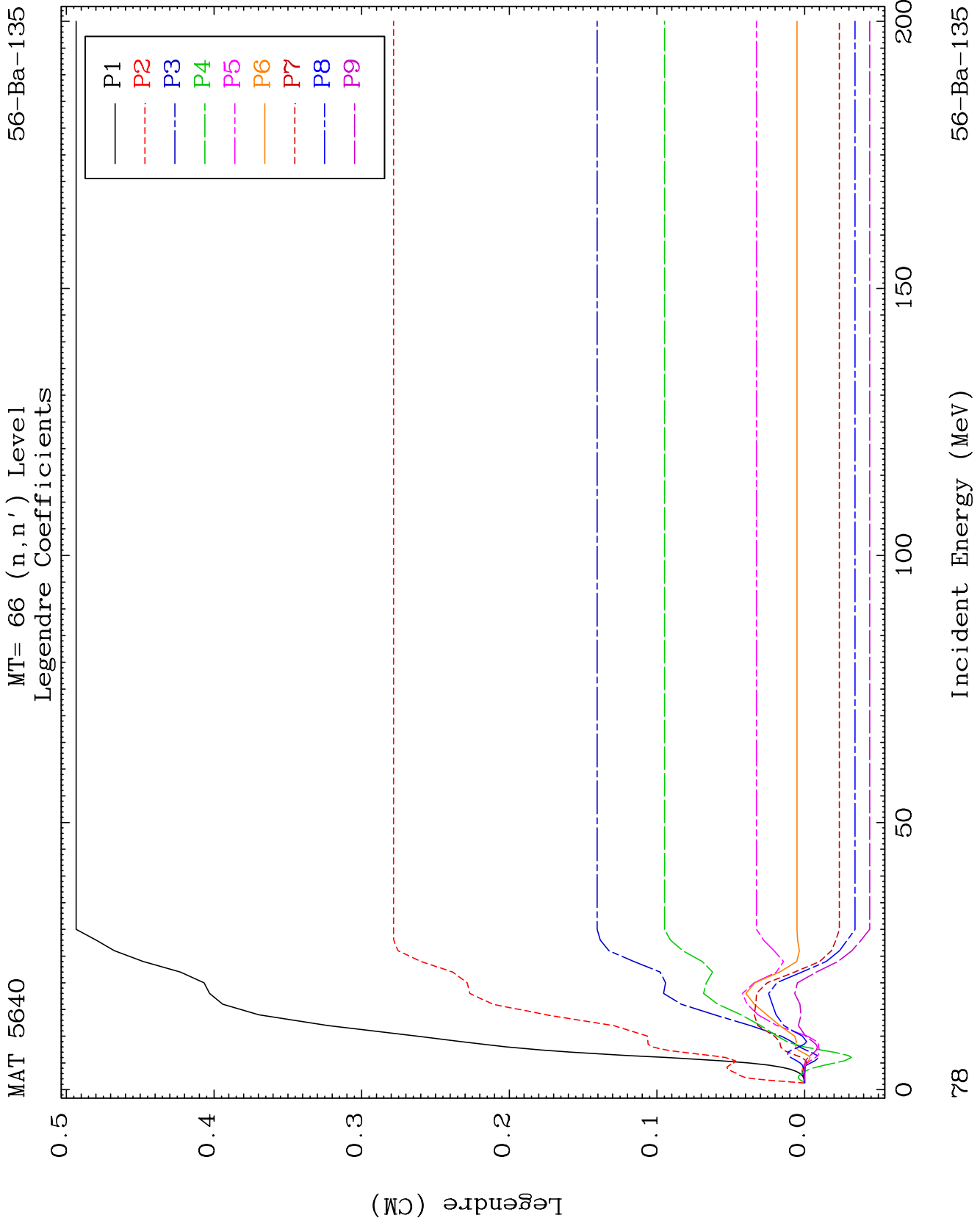
MAT 5640

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

56-Ba-135



77

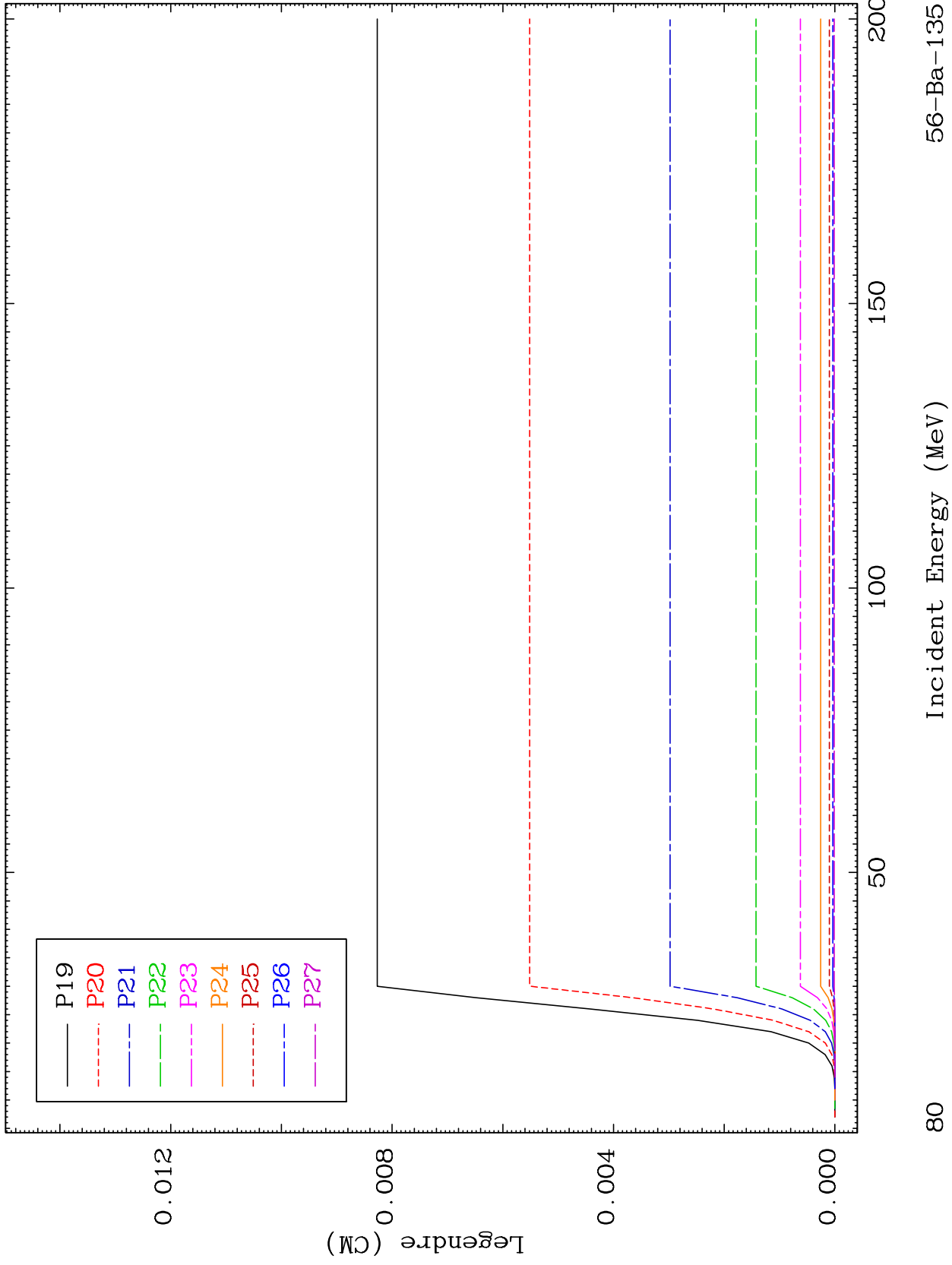




MAT 5640

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

56-Ba-135



56-Ba-135

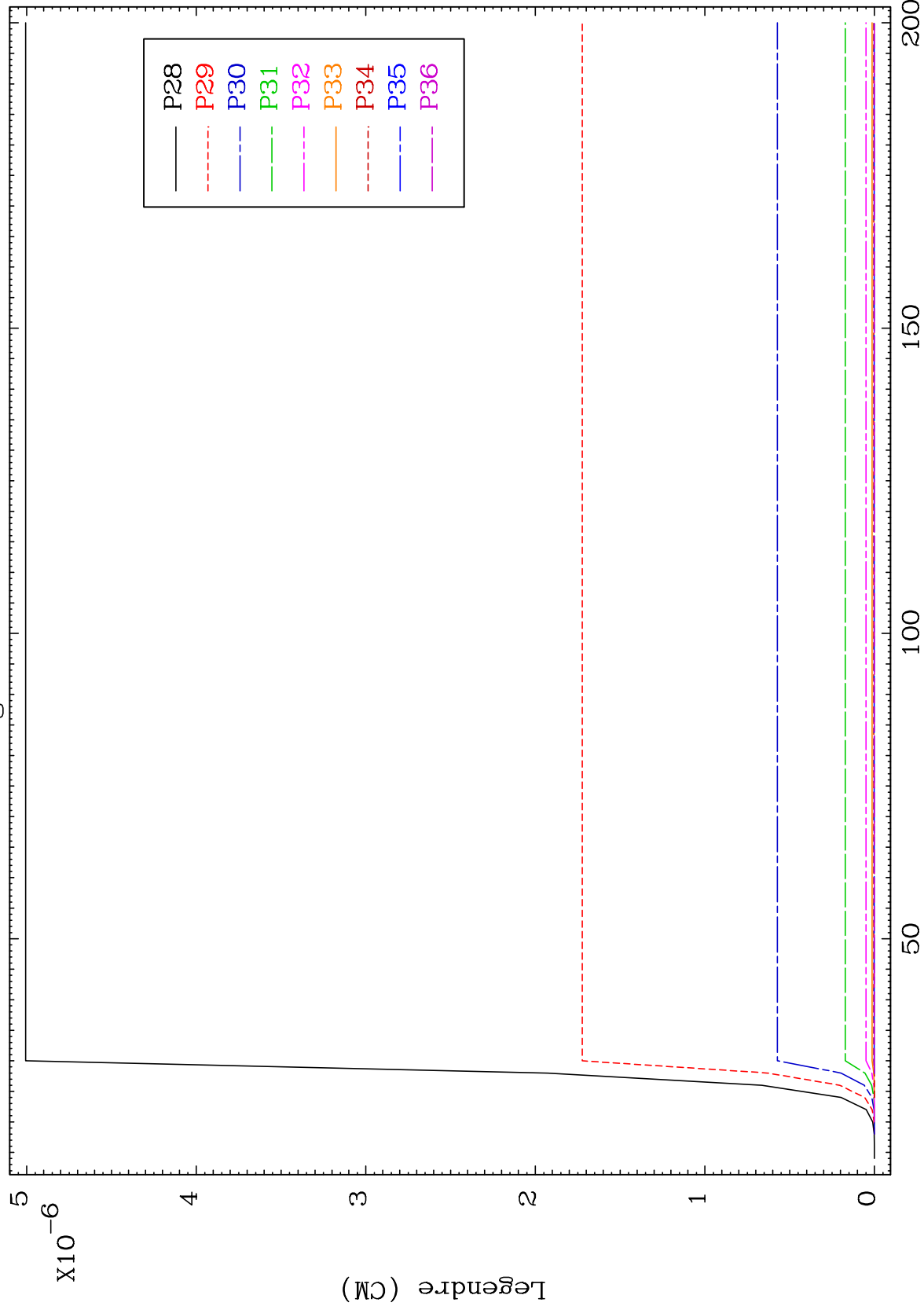
Incident Energy (MeV)

80

MAT 5640

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

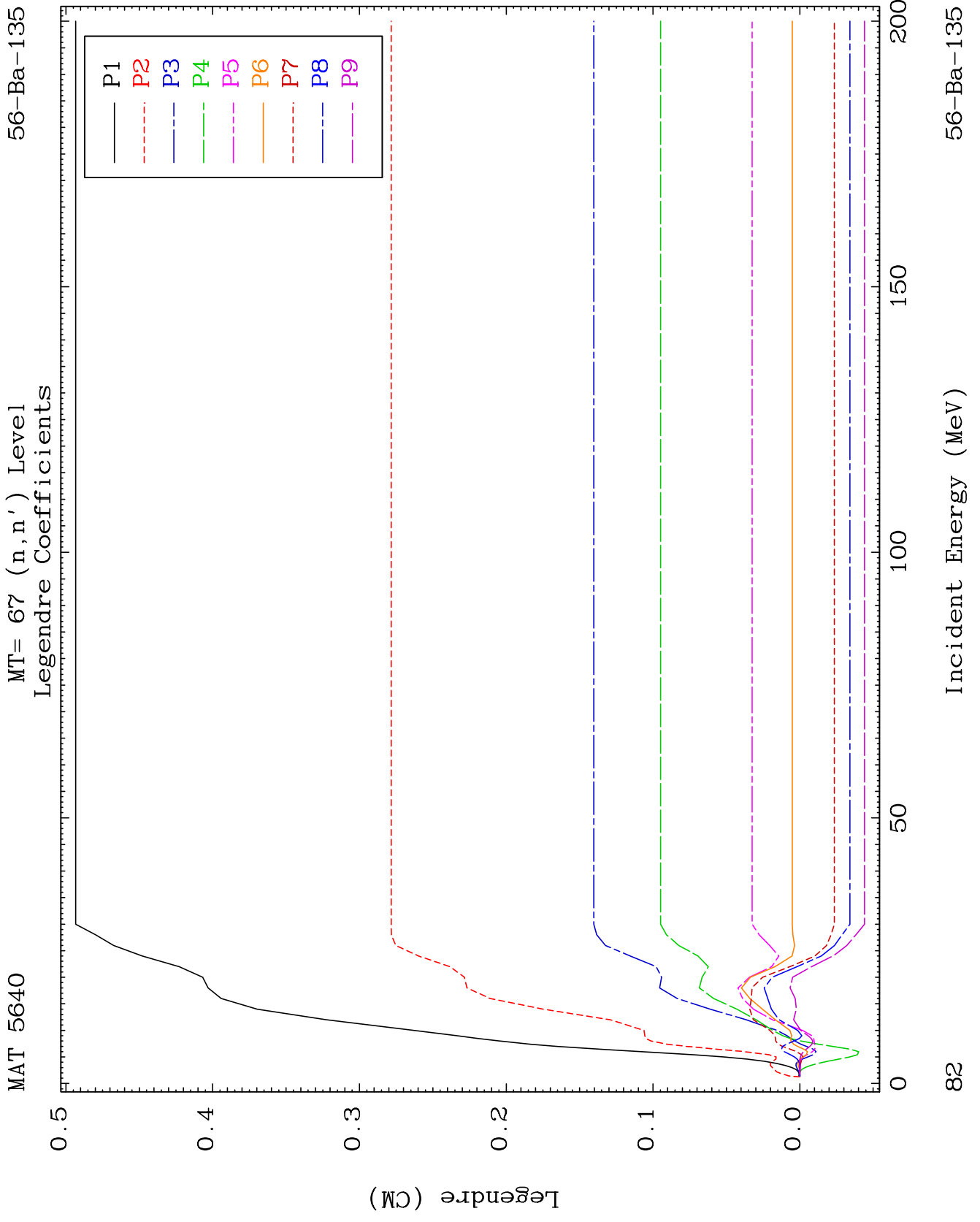
56-Ba-135



56-Ba-135

Incident Energy (MeV)

81

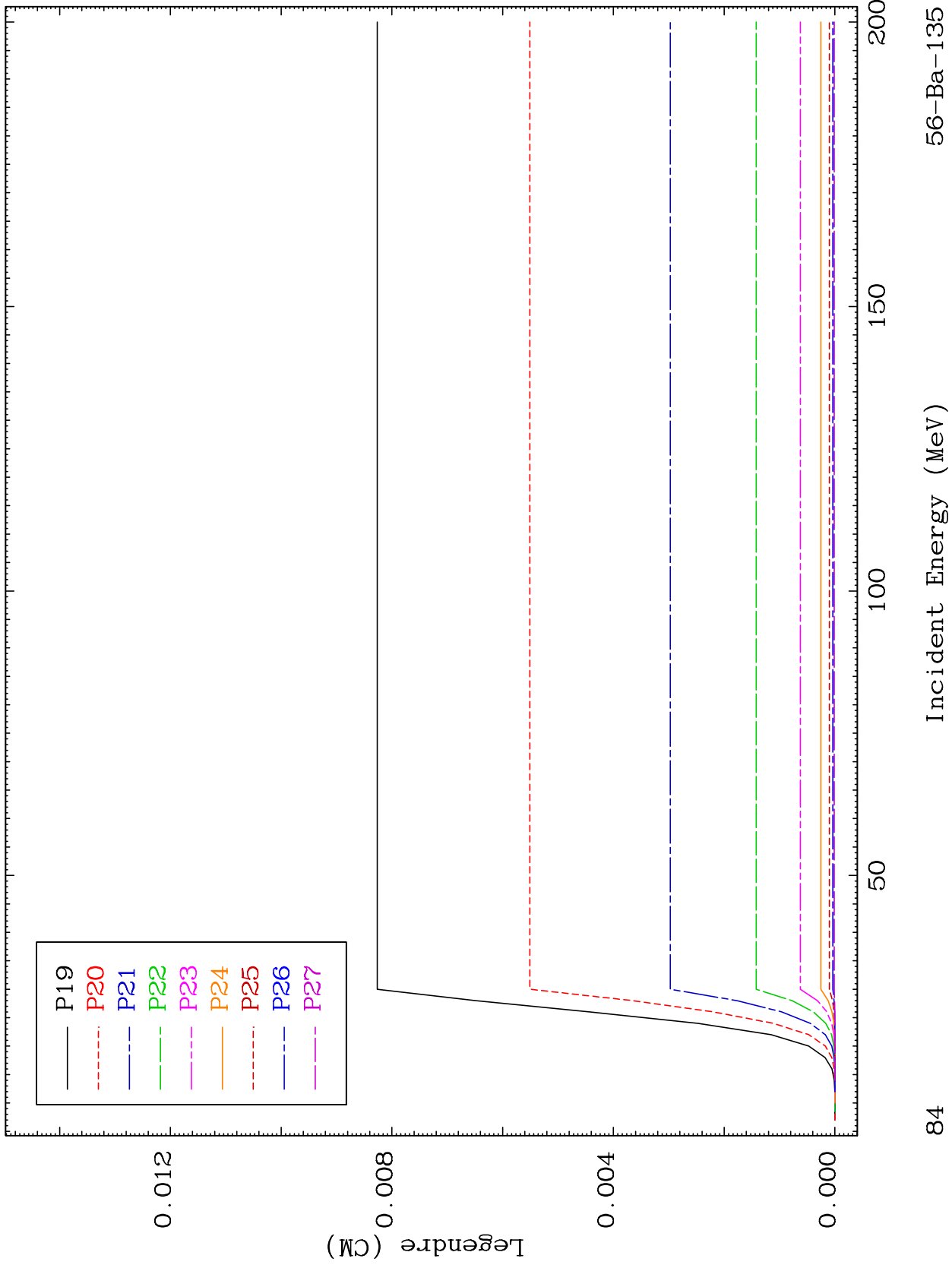


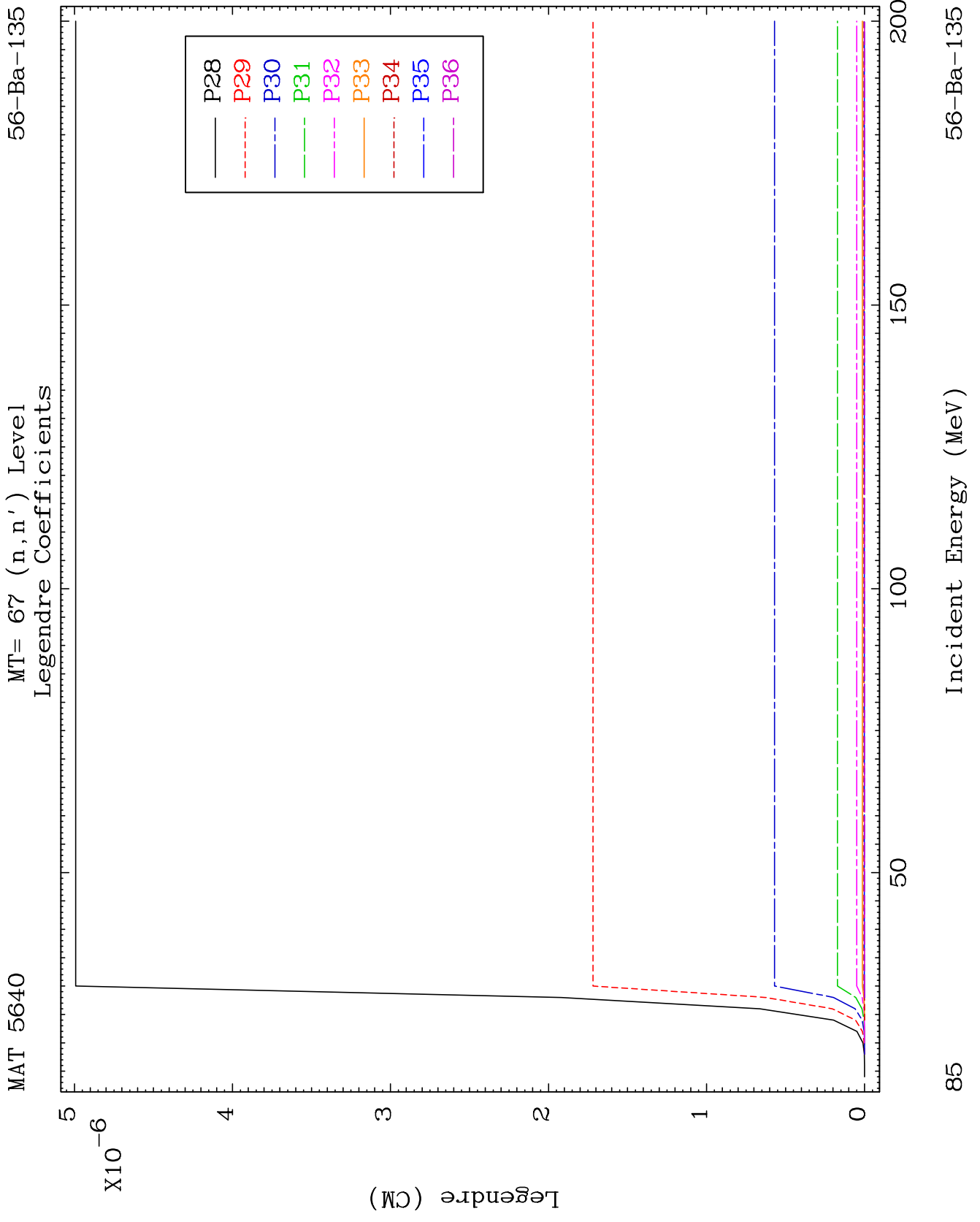


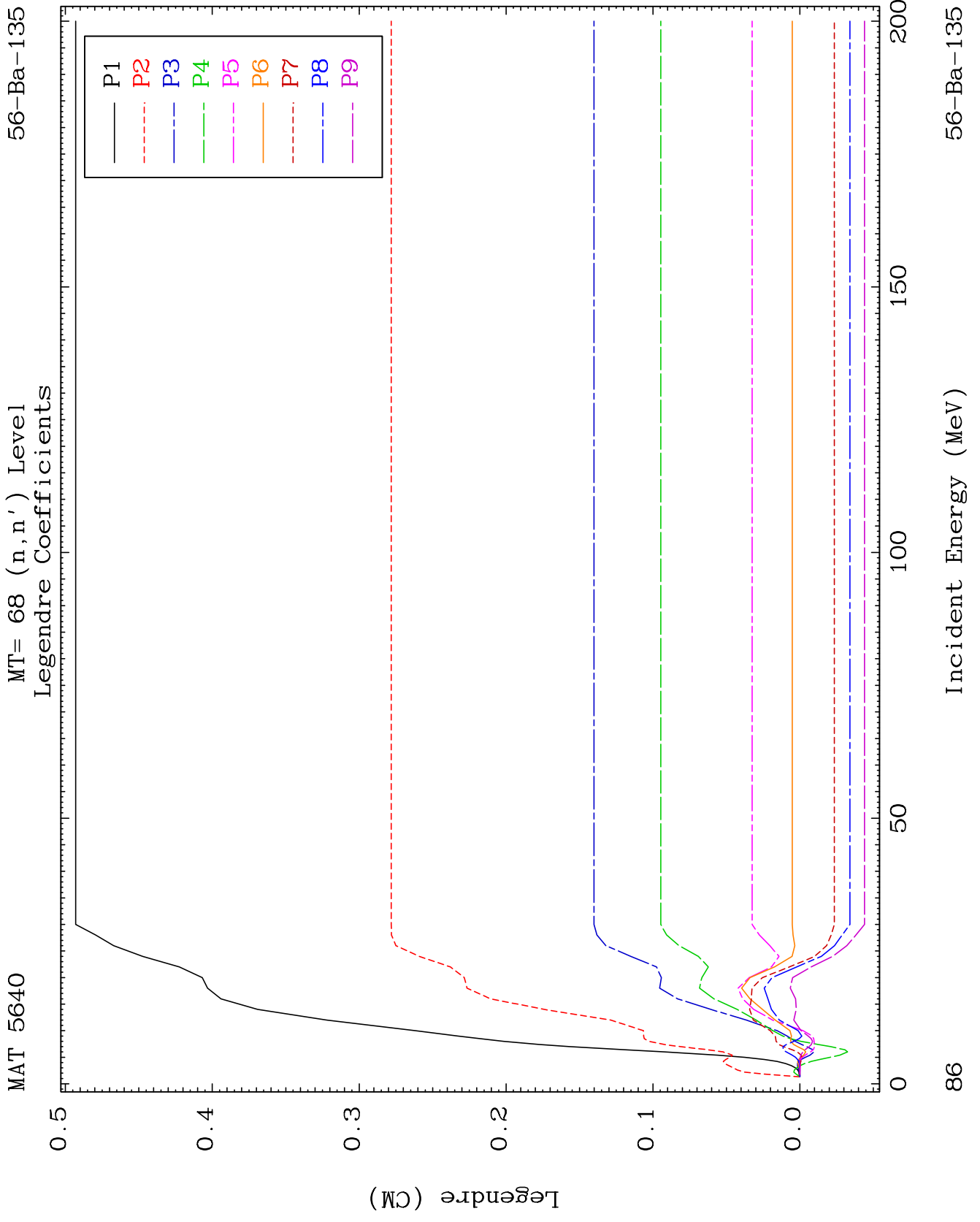
MAT 5640

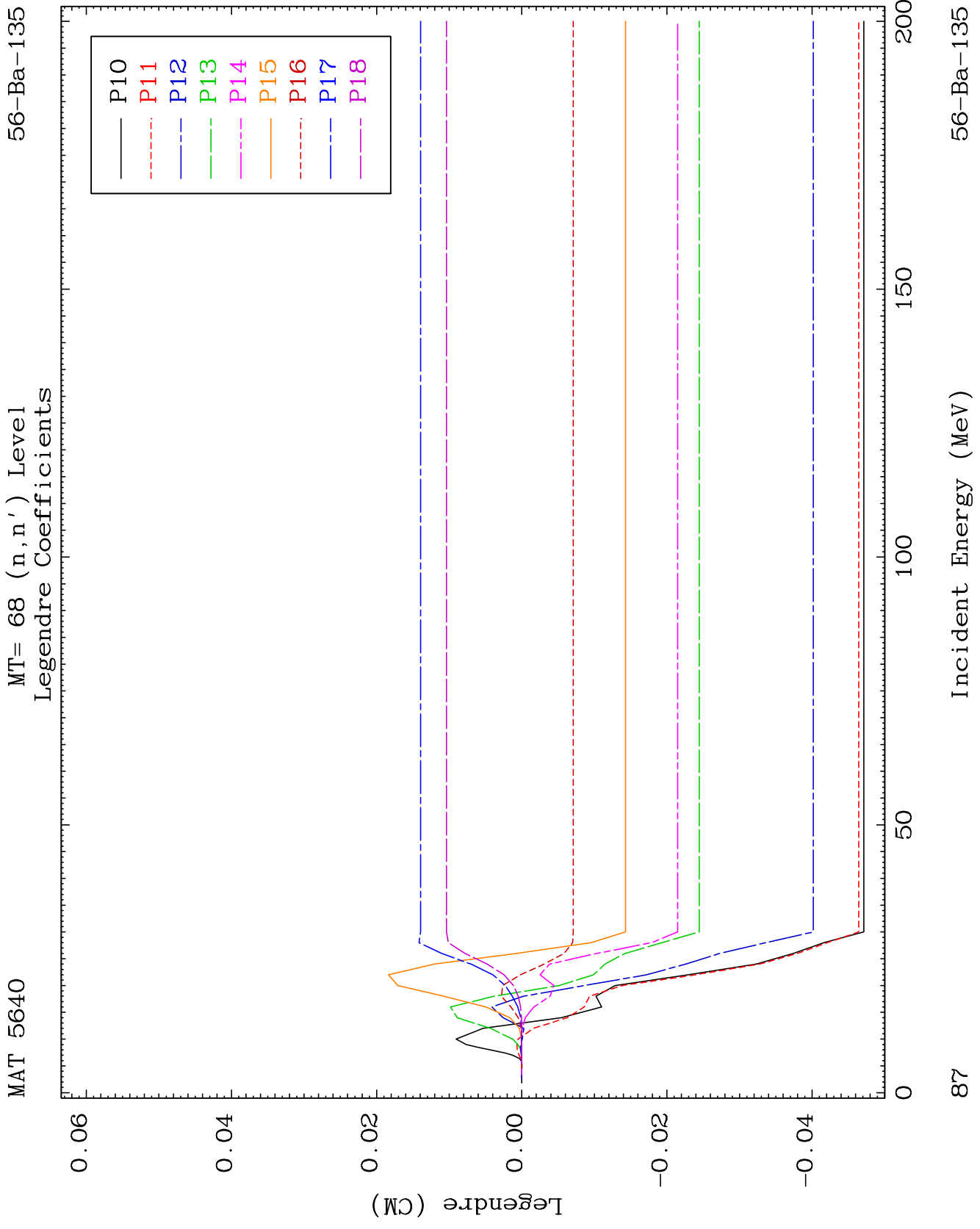
MT= 67 (n,n') Level  
Legendre Coefficients

56-Ba-135





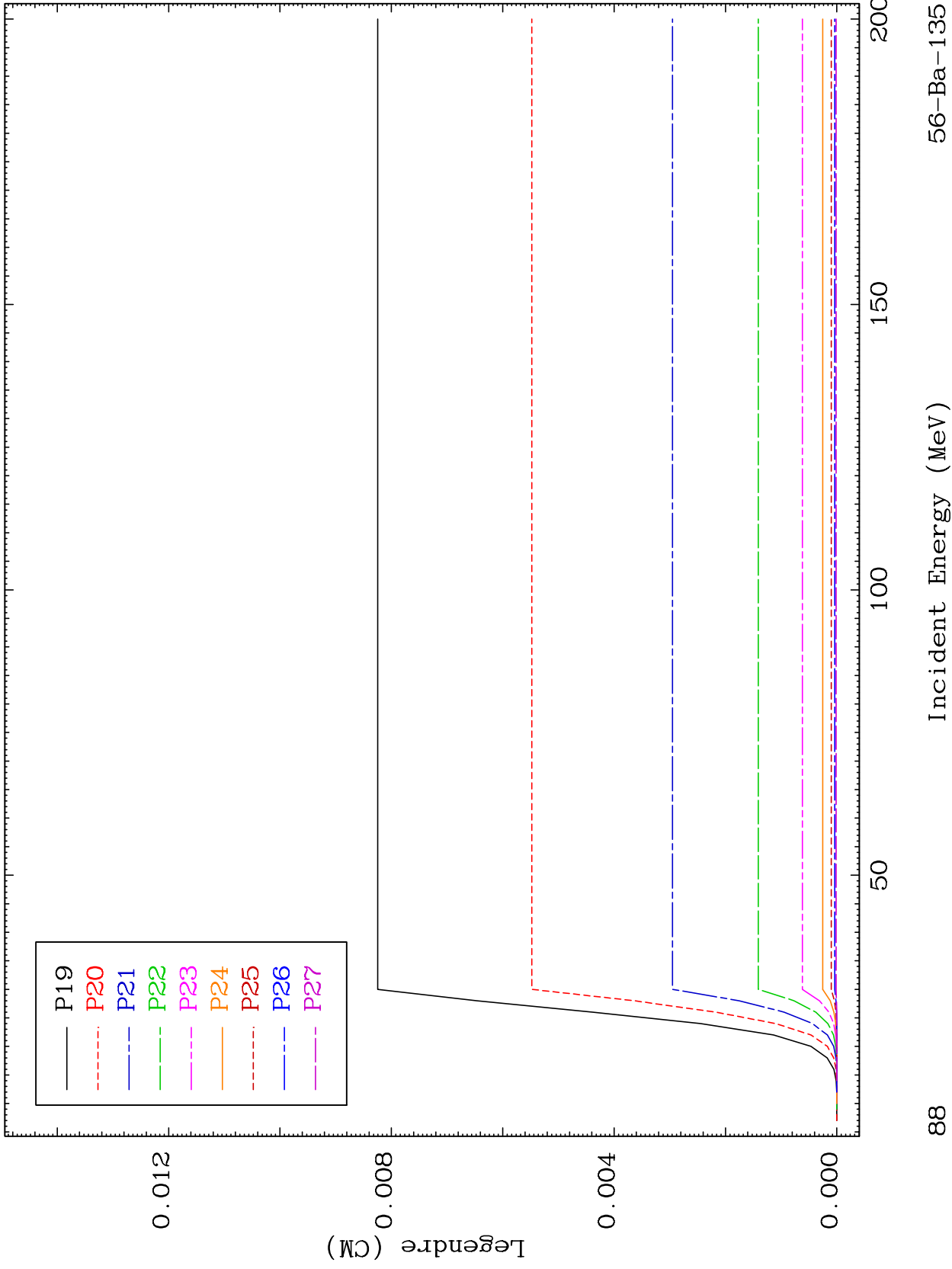




MAT 5640

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

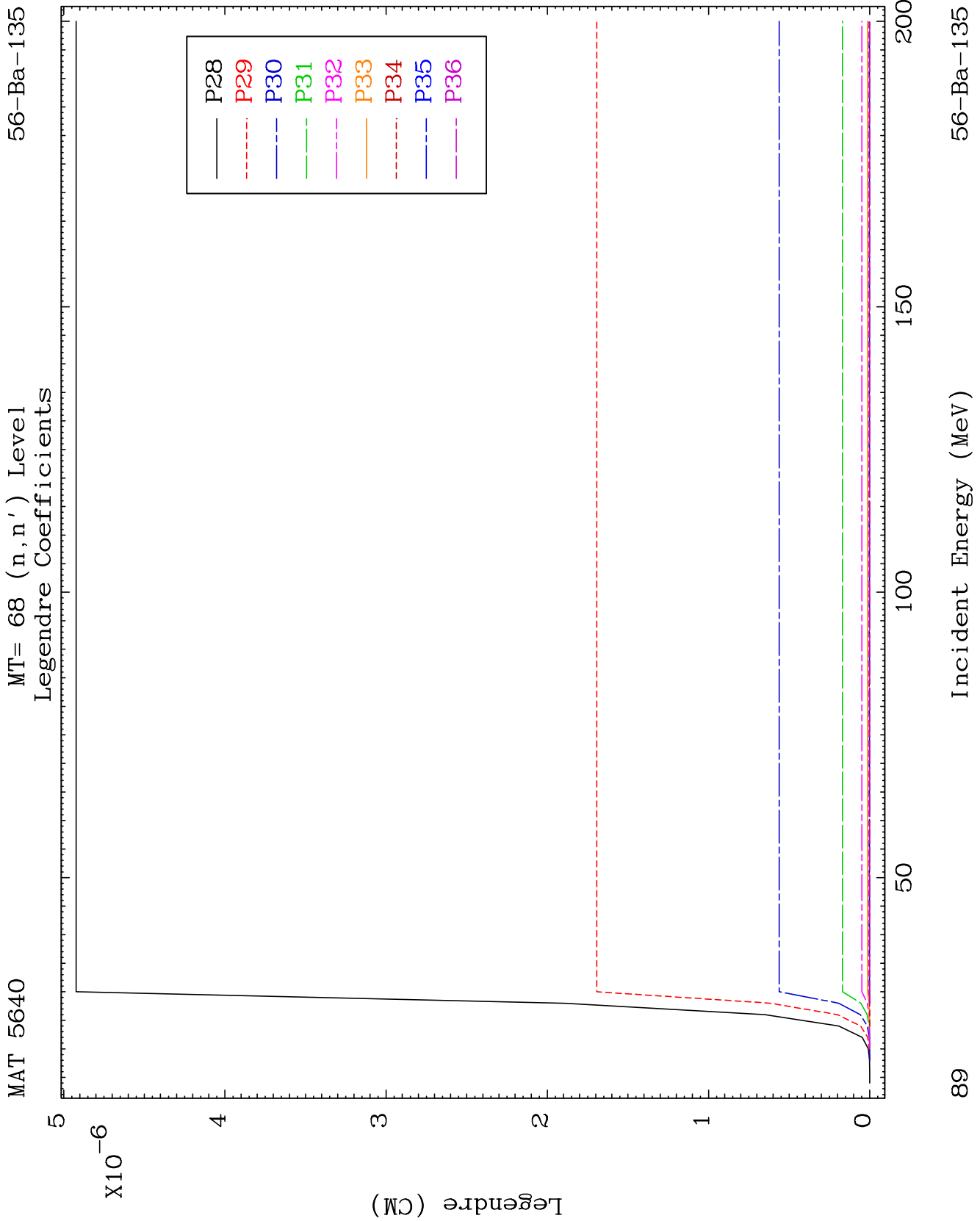
56-Ba-135

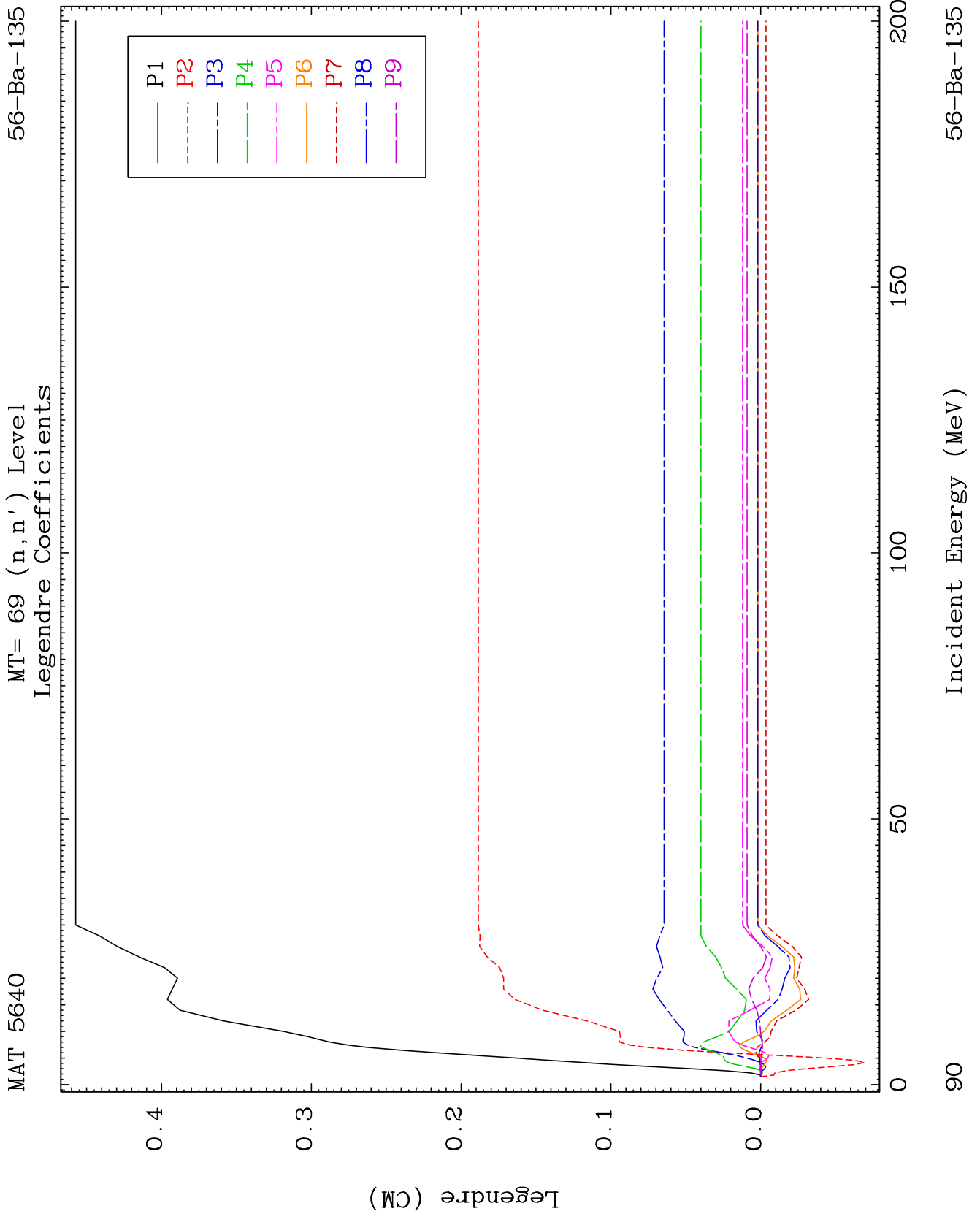


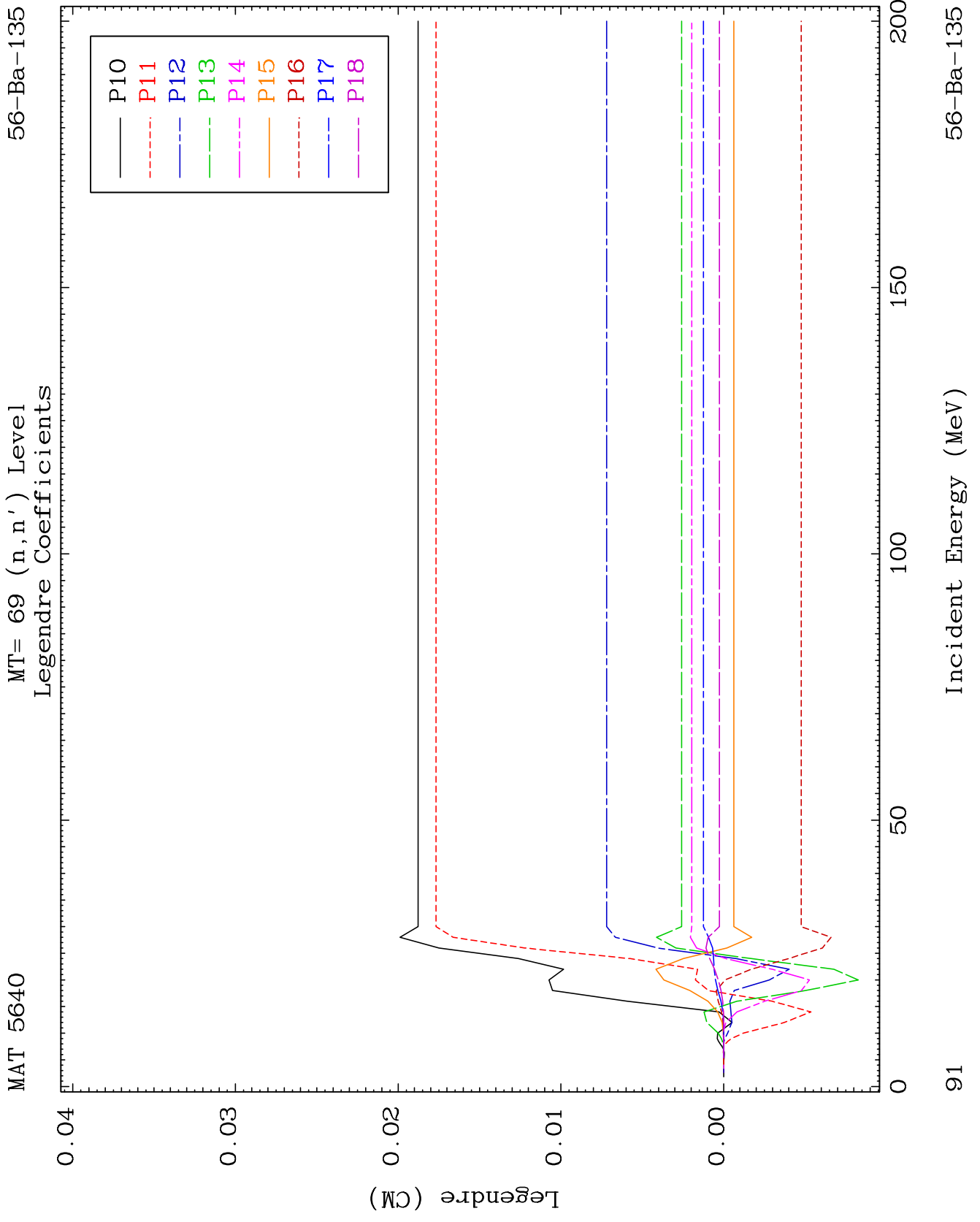
88

Incident Energy (MeV)

56-Ba-135



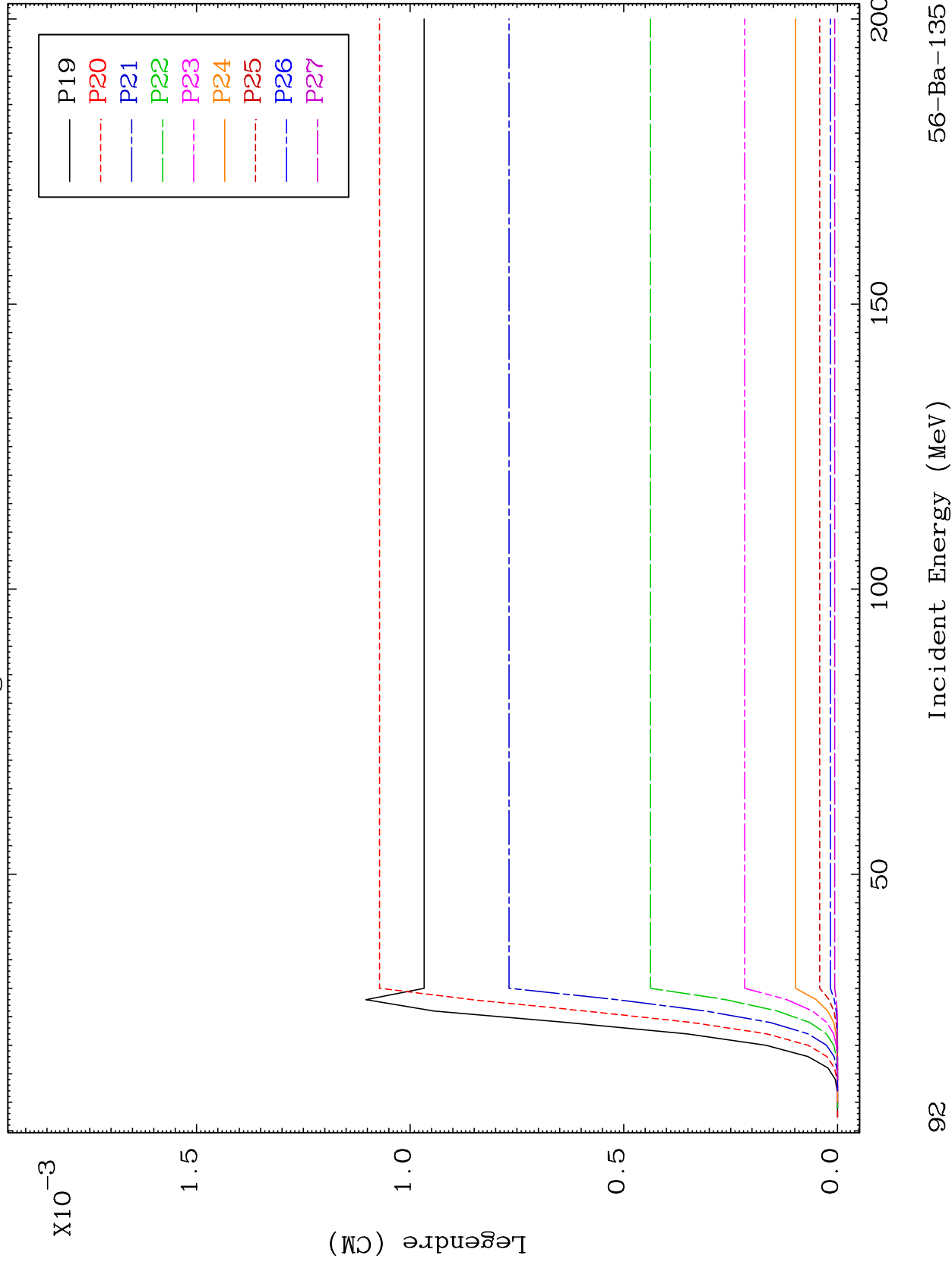




MAT 5640

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

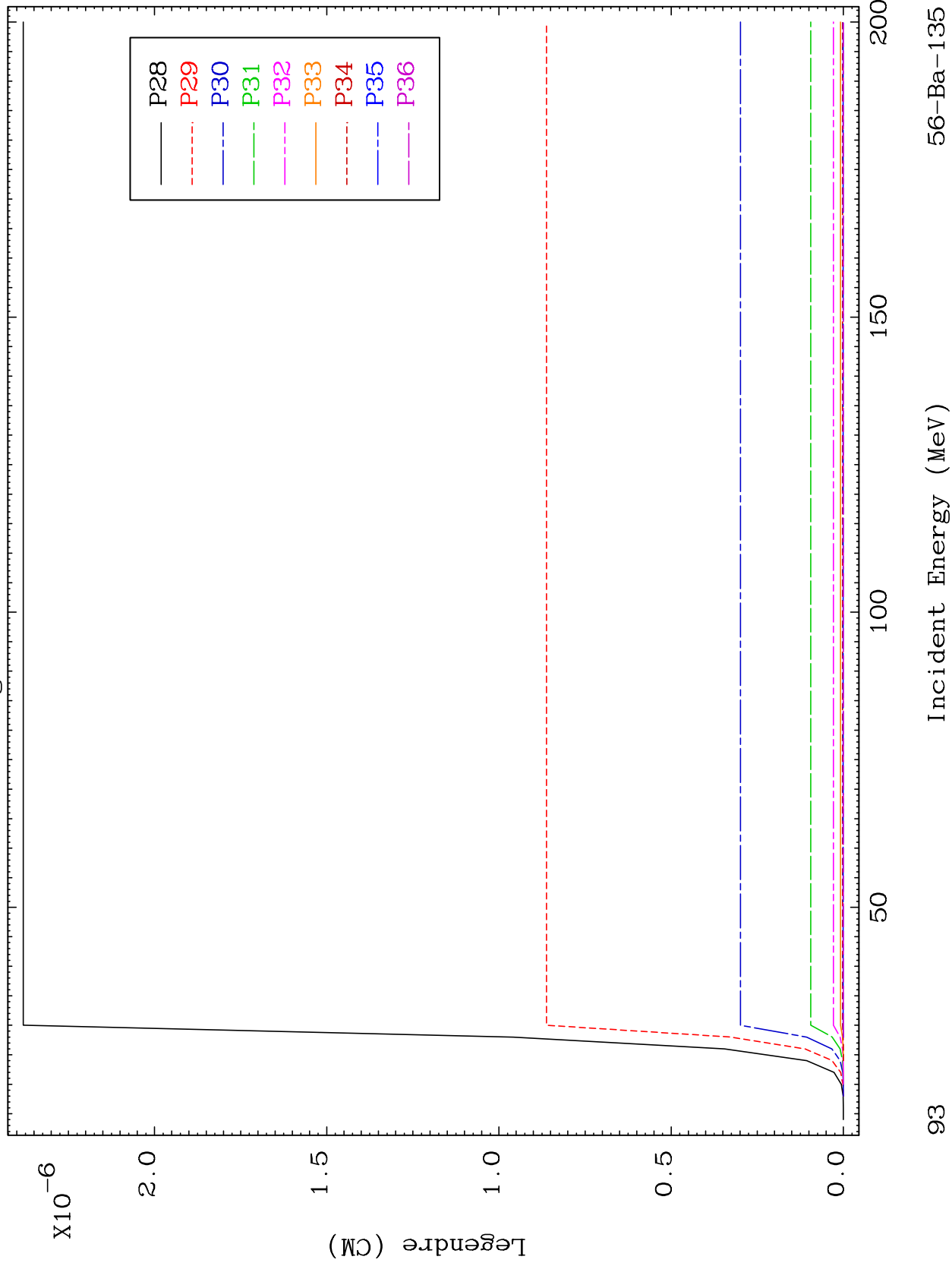
56-Ba-135



MAT 5640

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

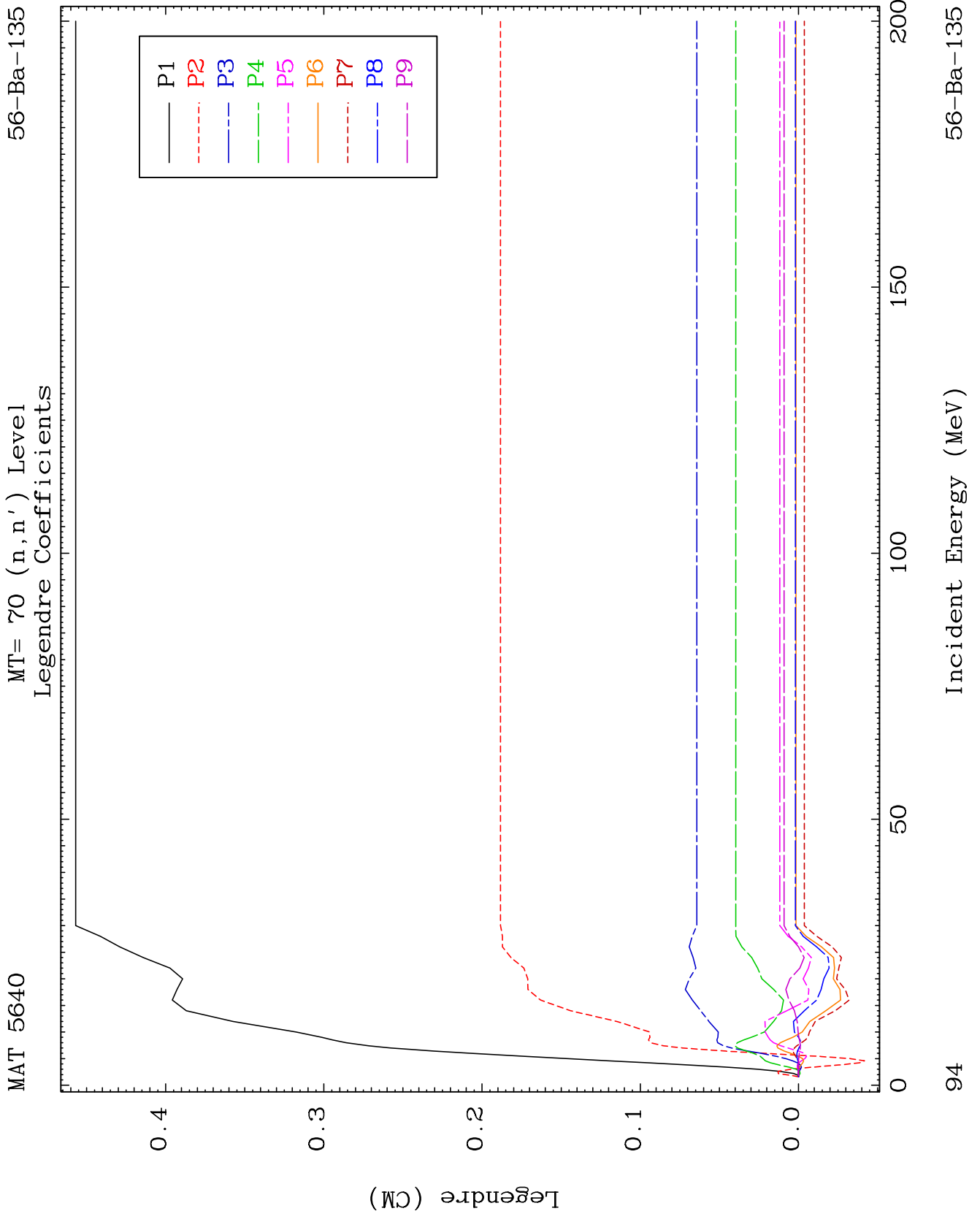
56-Ba-135

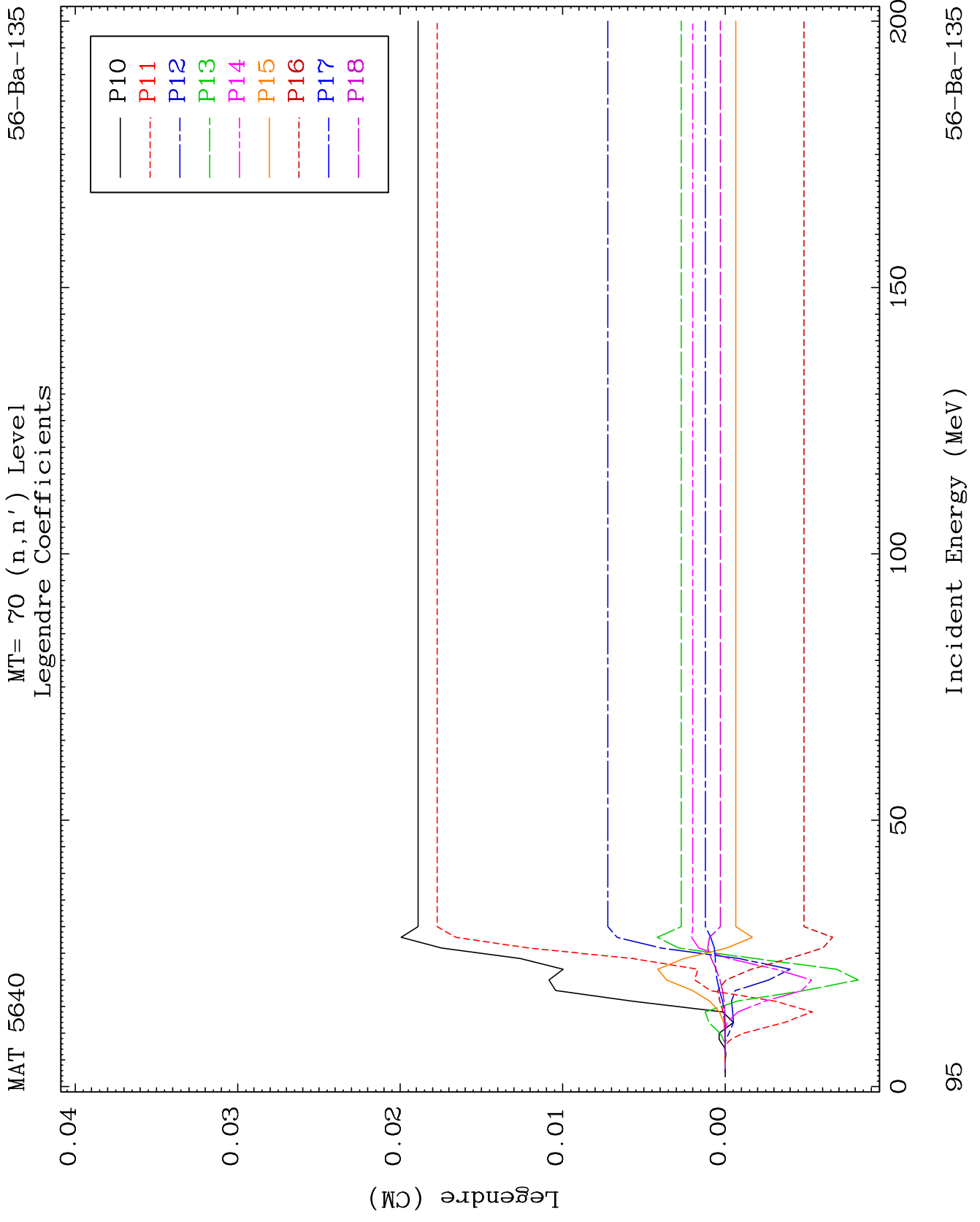


93

Incident Energy (MeV)

56-Ba-135

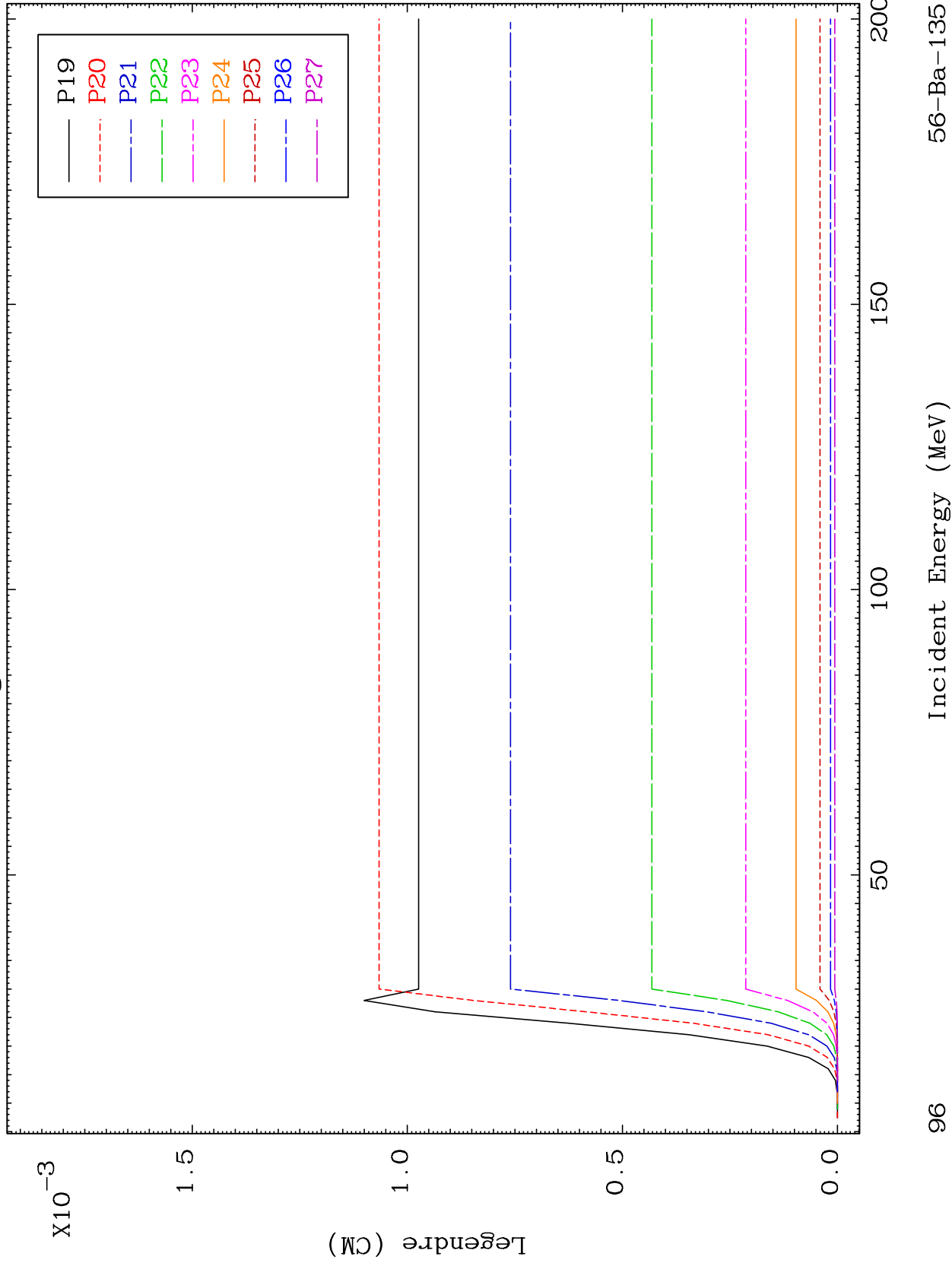




MAT 5640

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

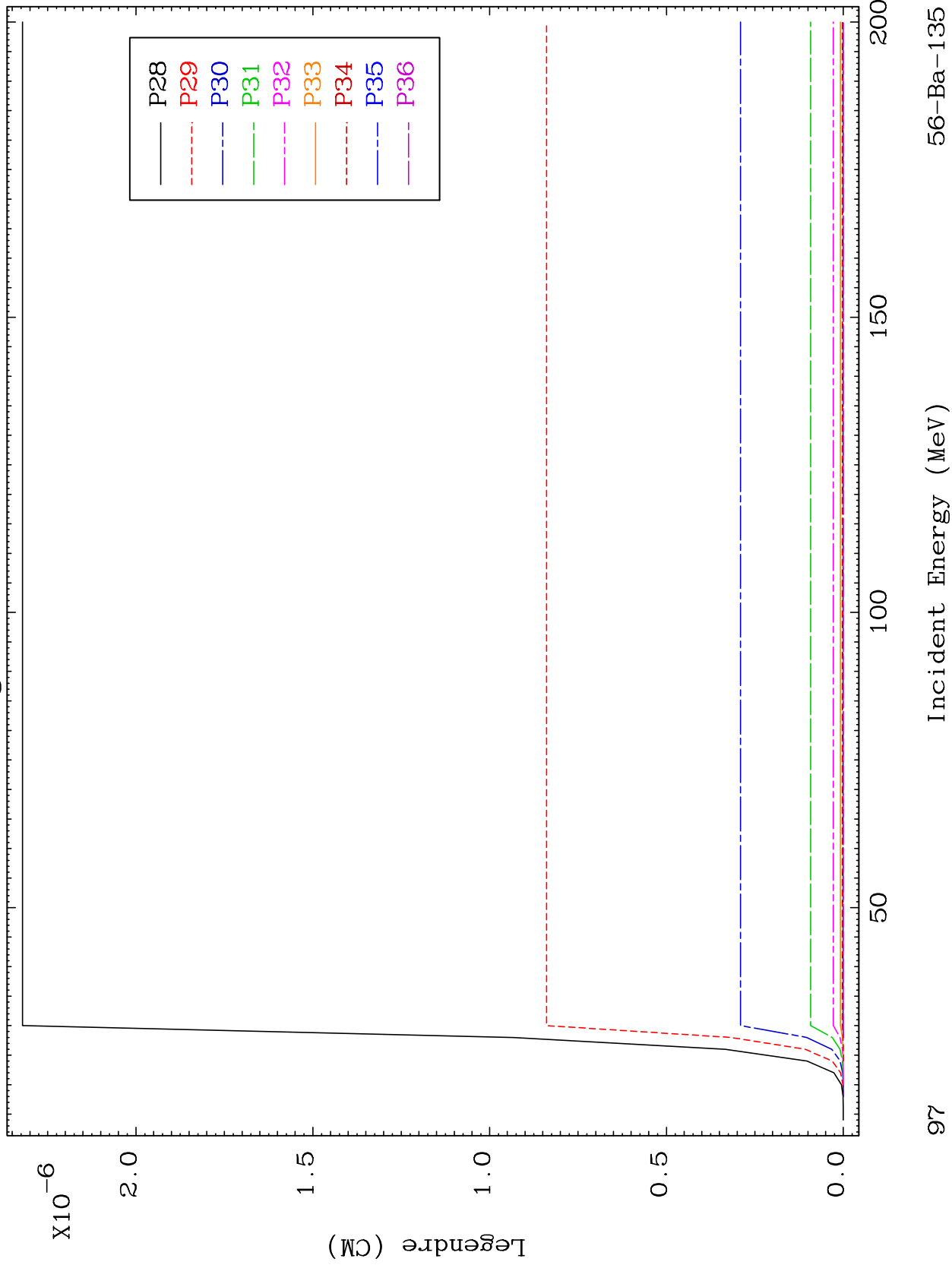
56-Ba-135



MAT 5640

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

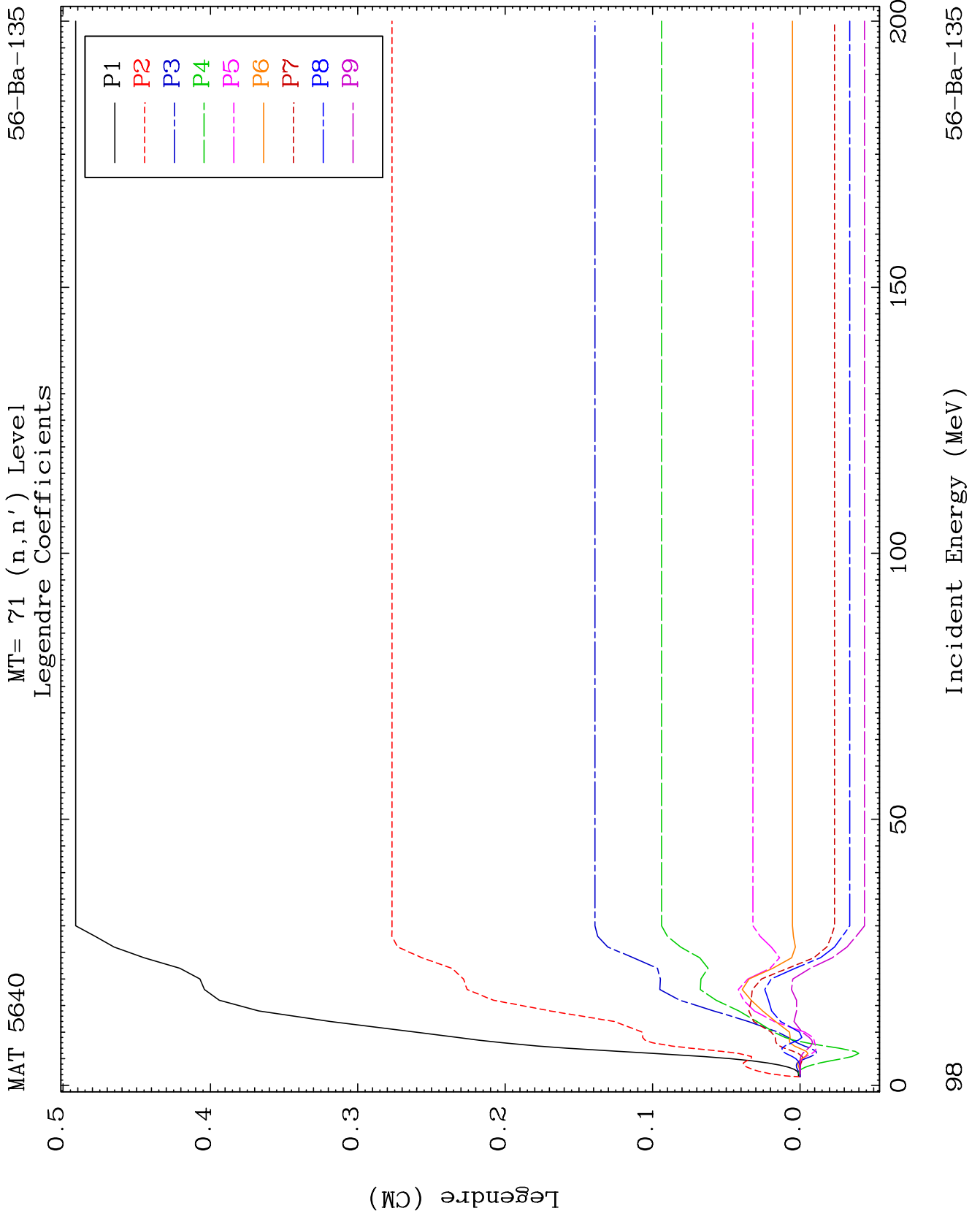
56-Ba-135



97

Incident Energy (MeV)

56-Ba-135

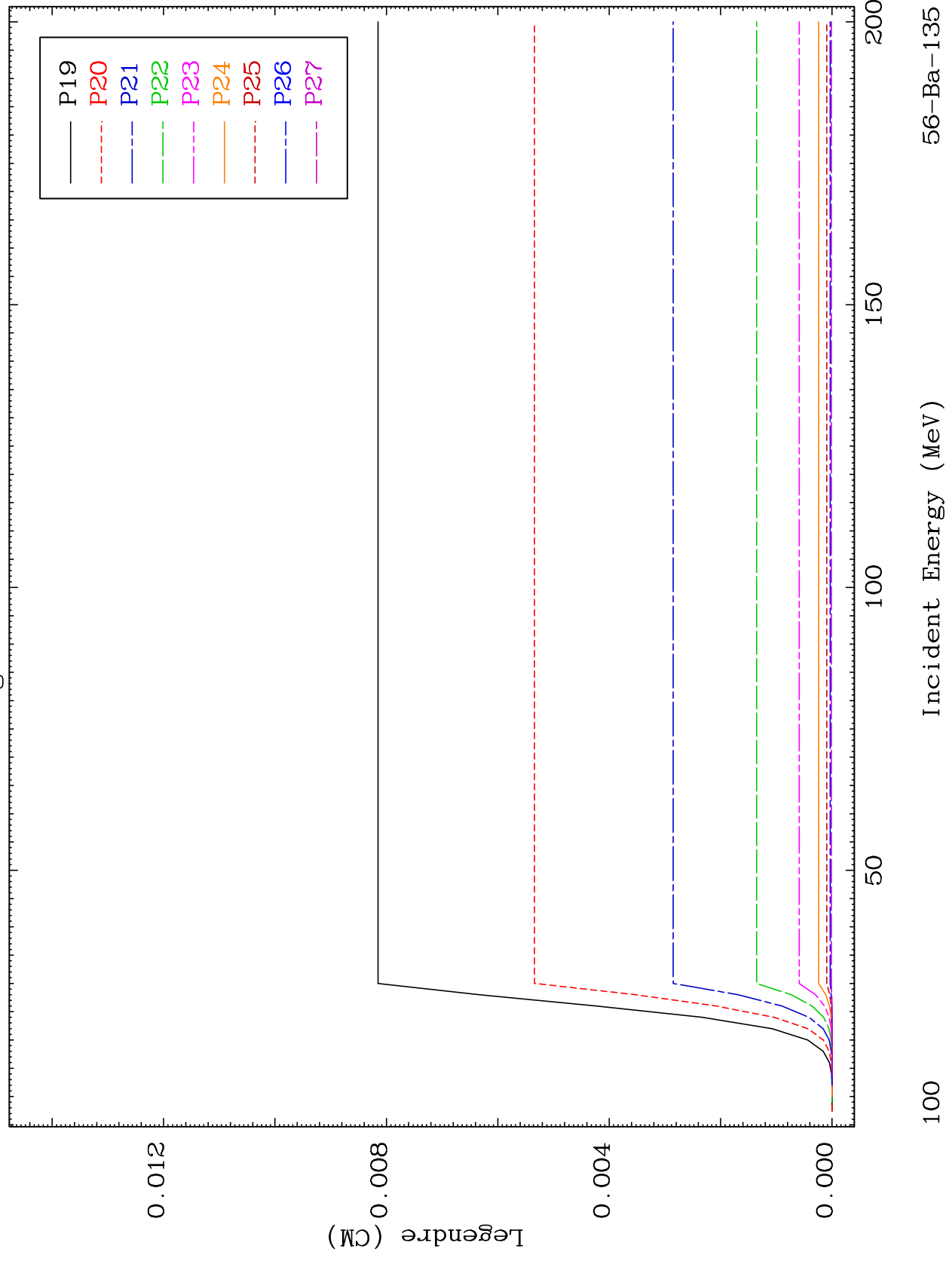




MAT 5640

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

56-Ba-135



100

50

100

150

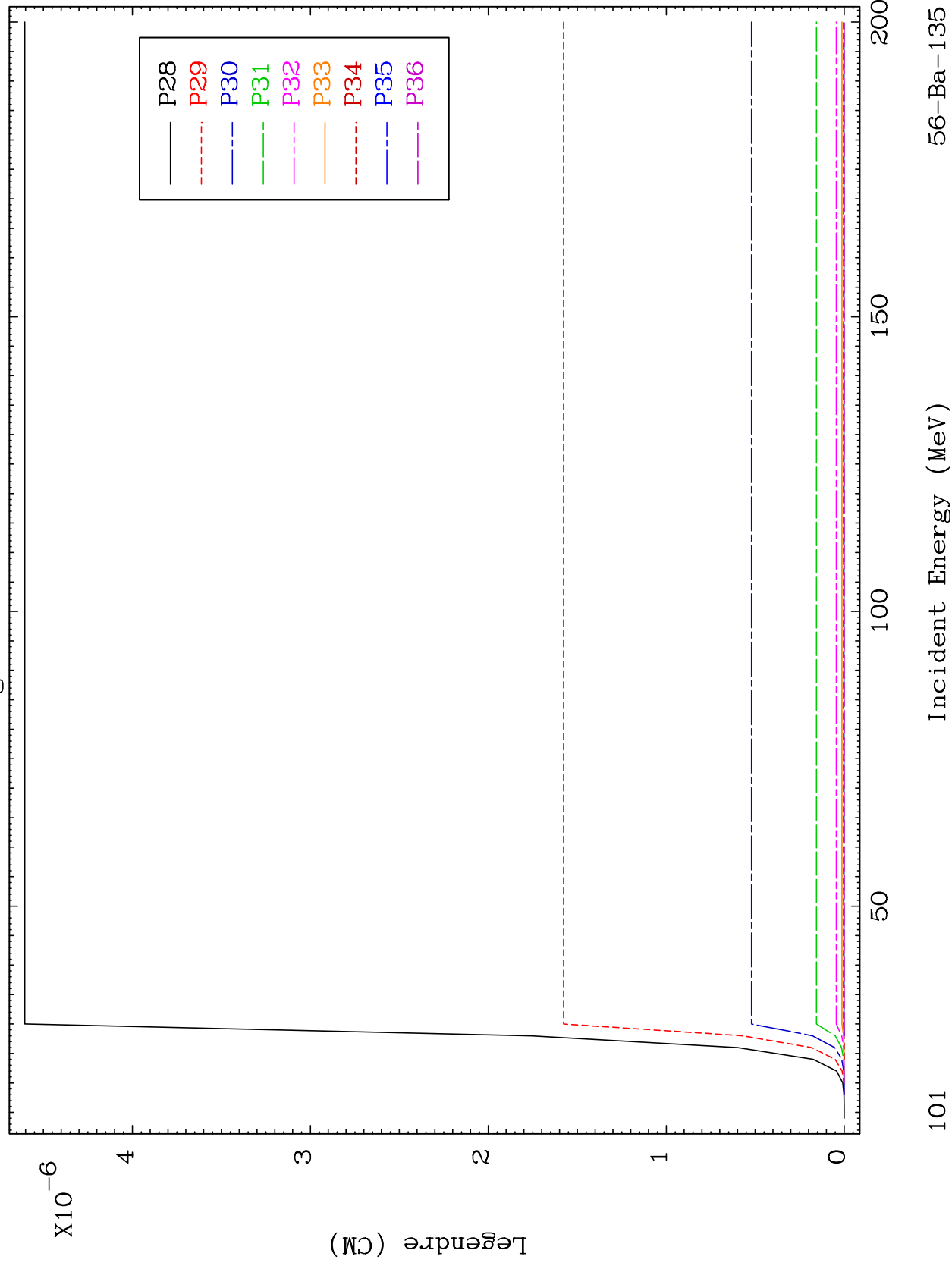
200

56-Ba-135

MAT 5640

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

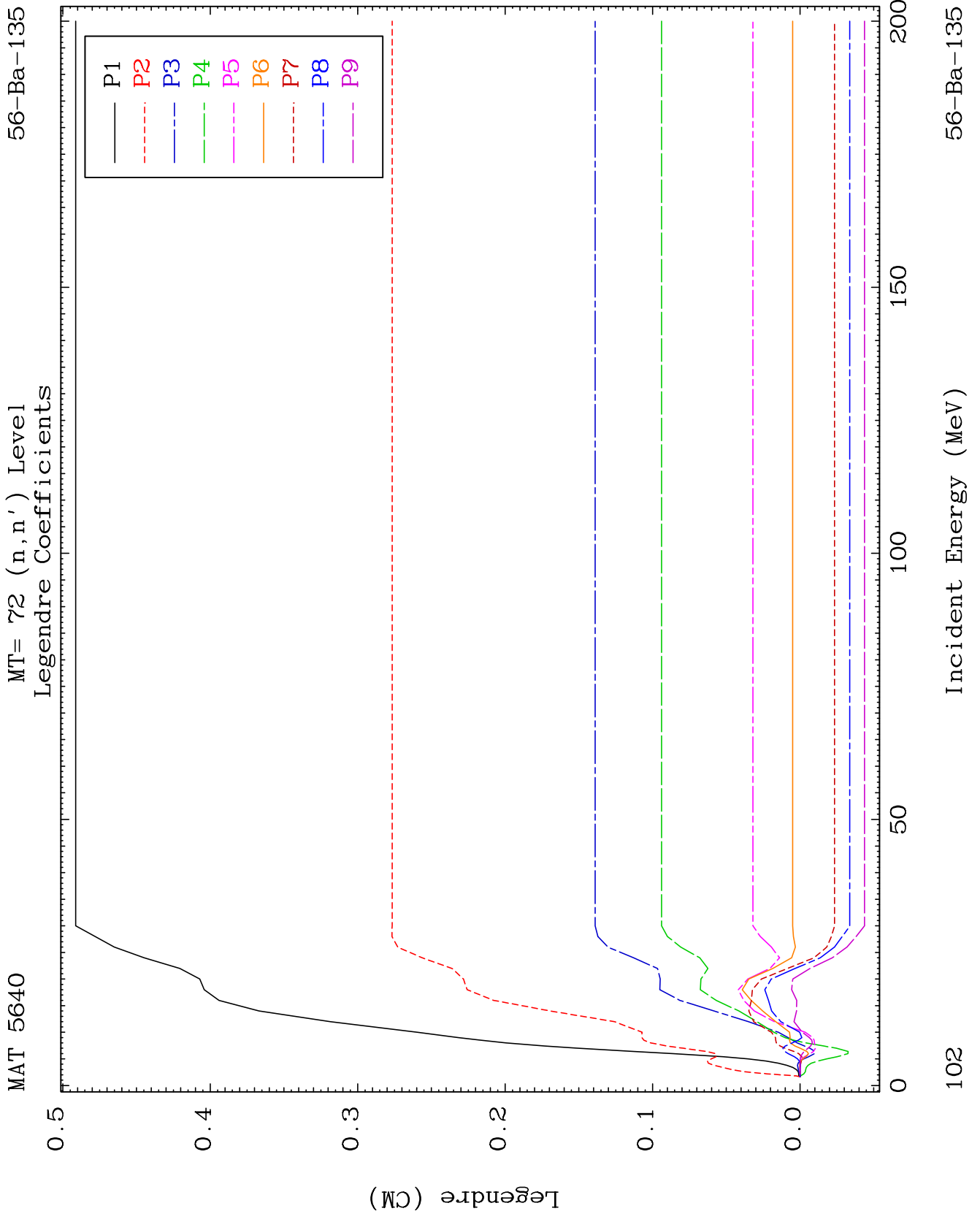
56-Ba-135

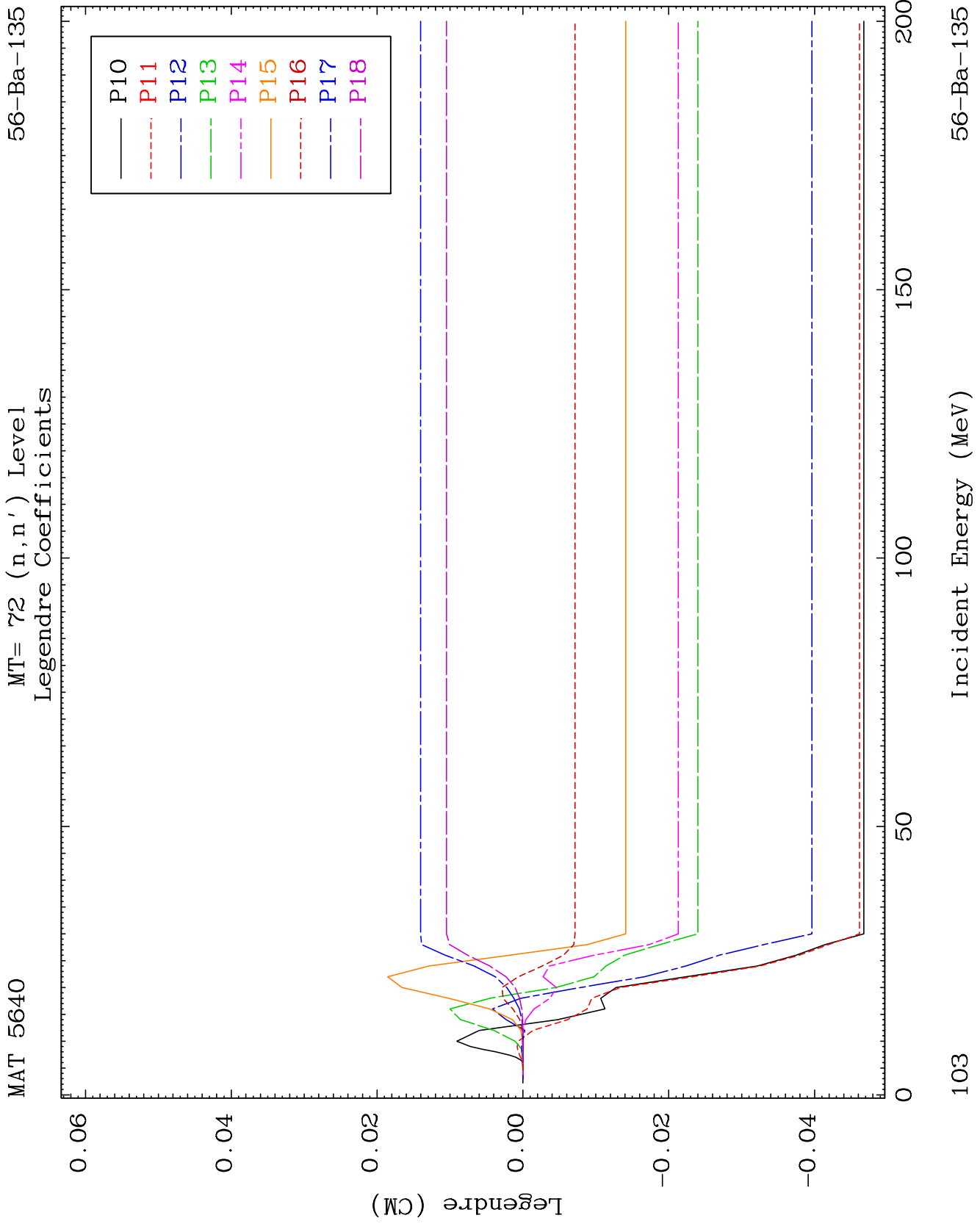


101

Incident Energy (MeV)

56-Ba-135

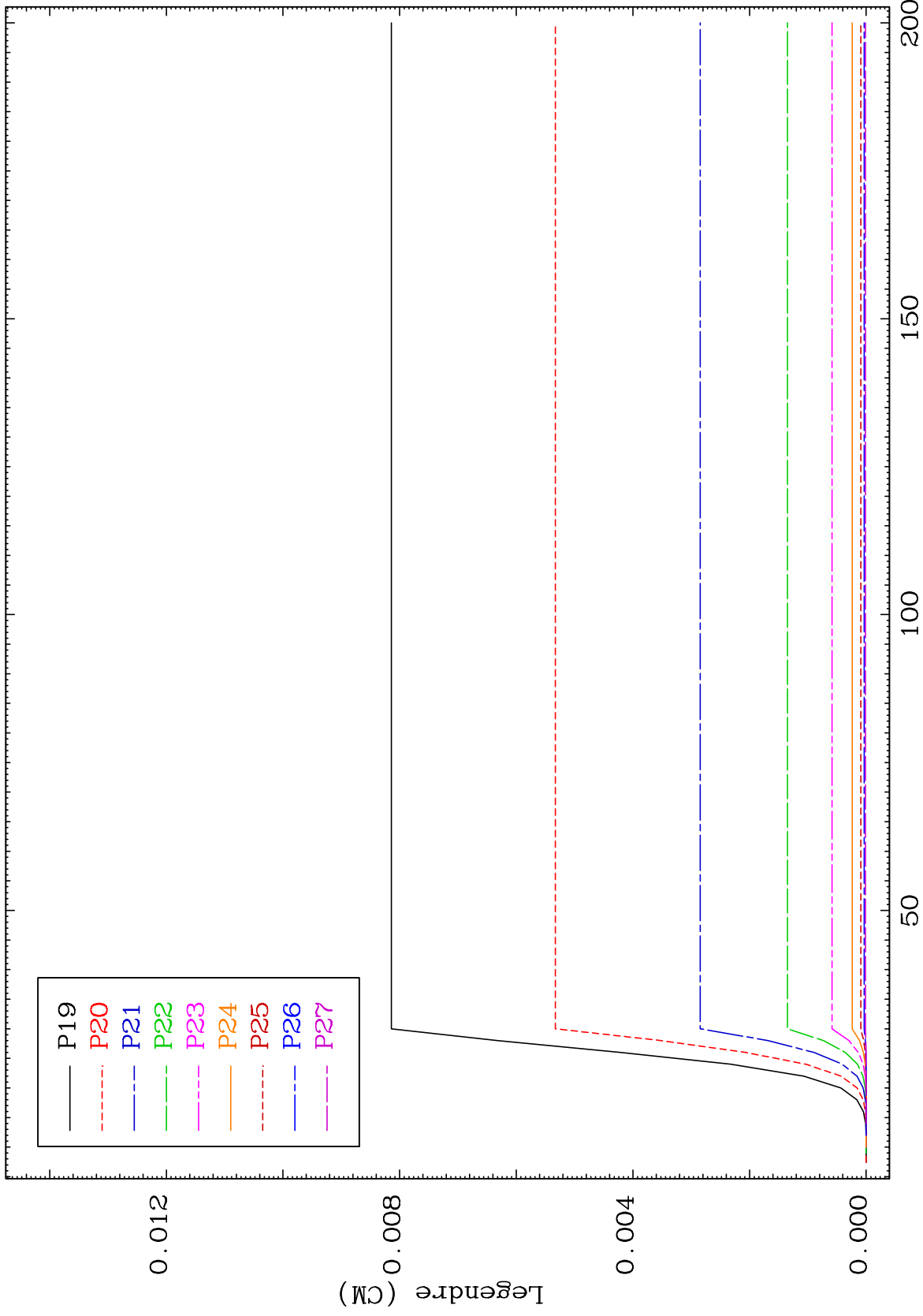




MAT 5640

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

56-Ba-135



104

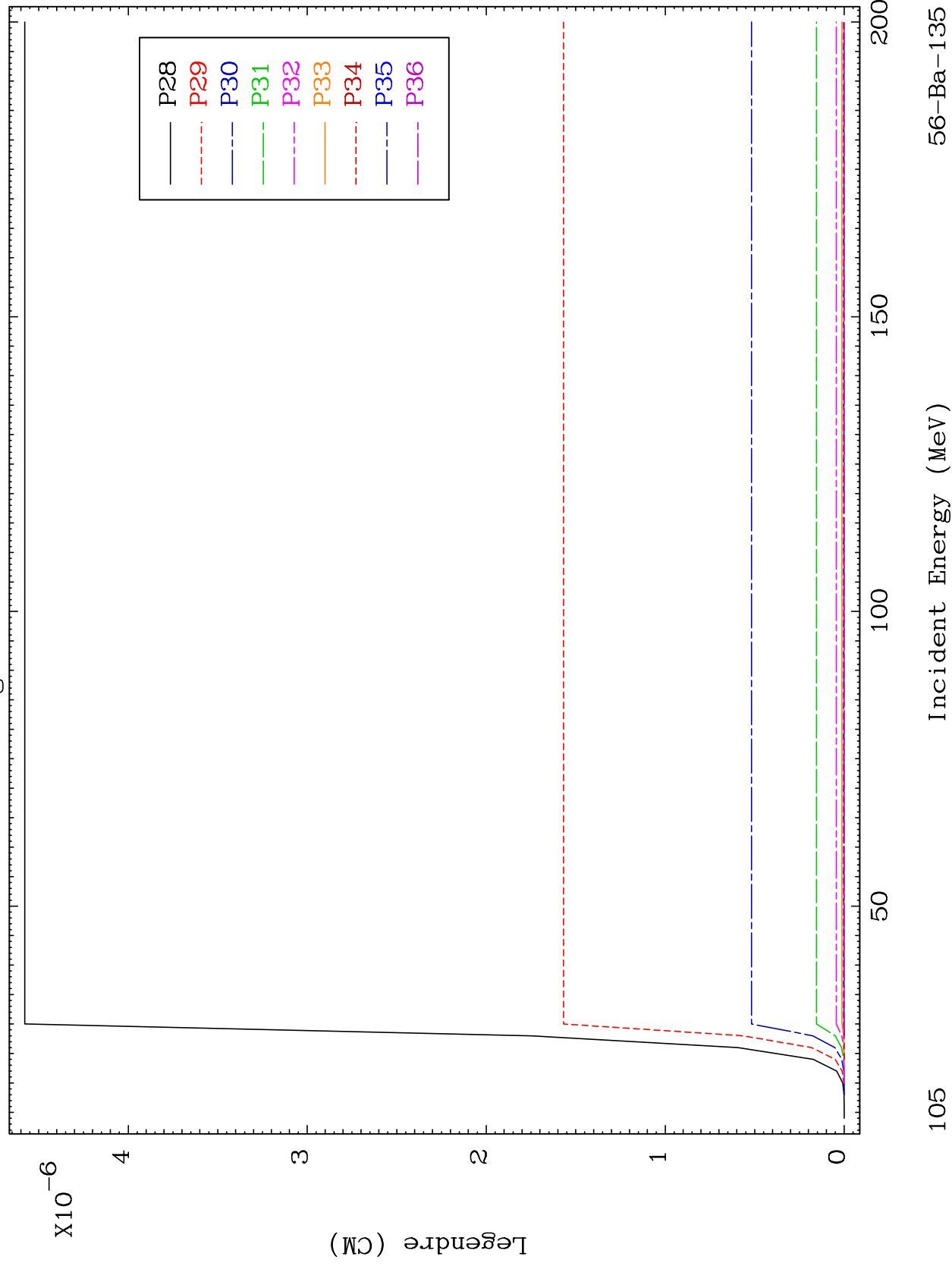
Incident Energy (MeV)

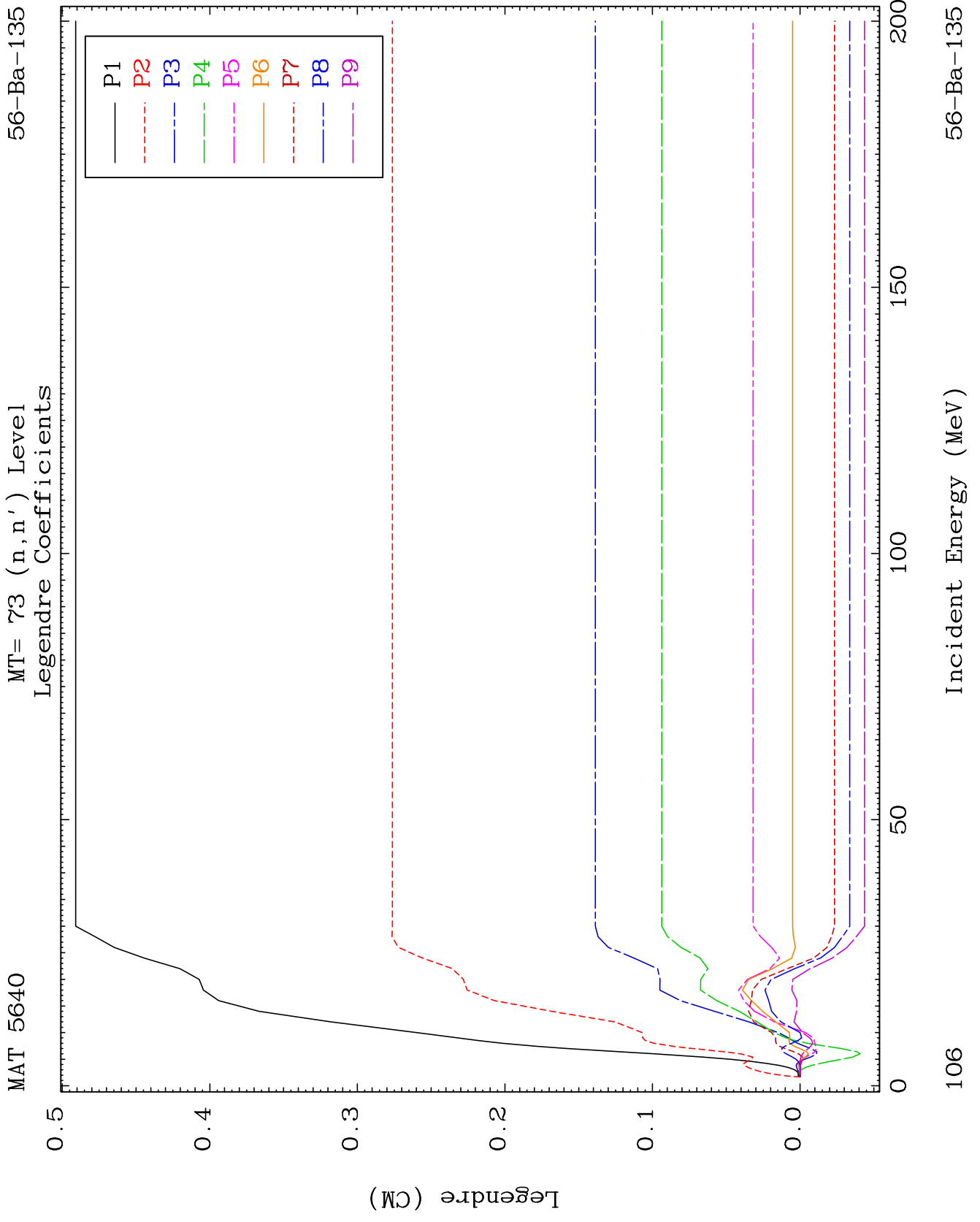
56-Ba-135

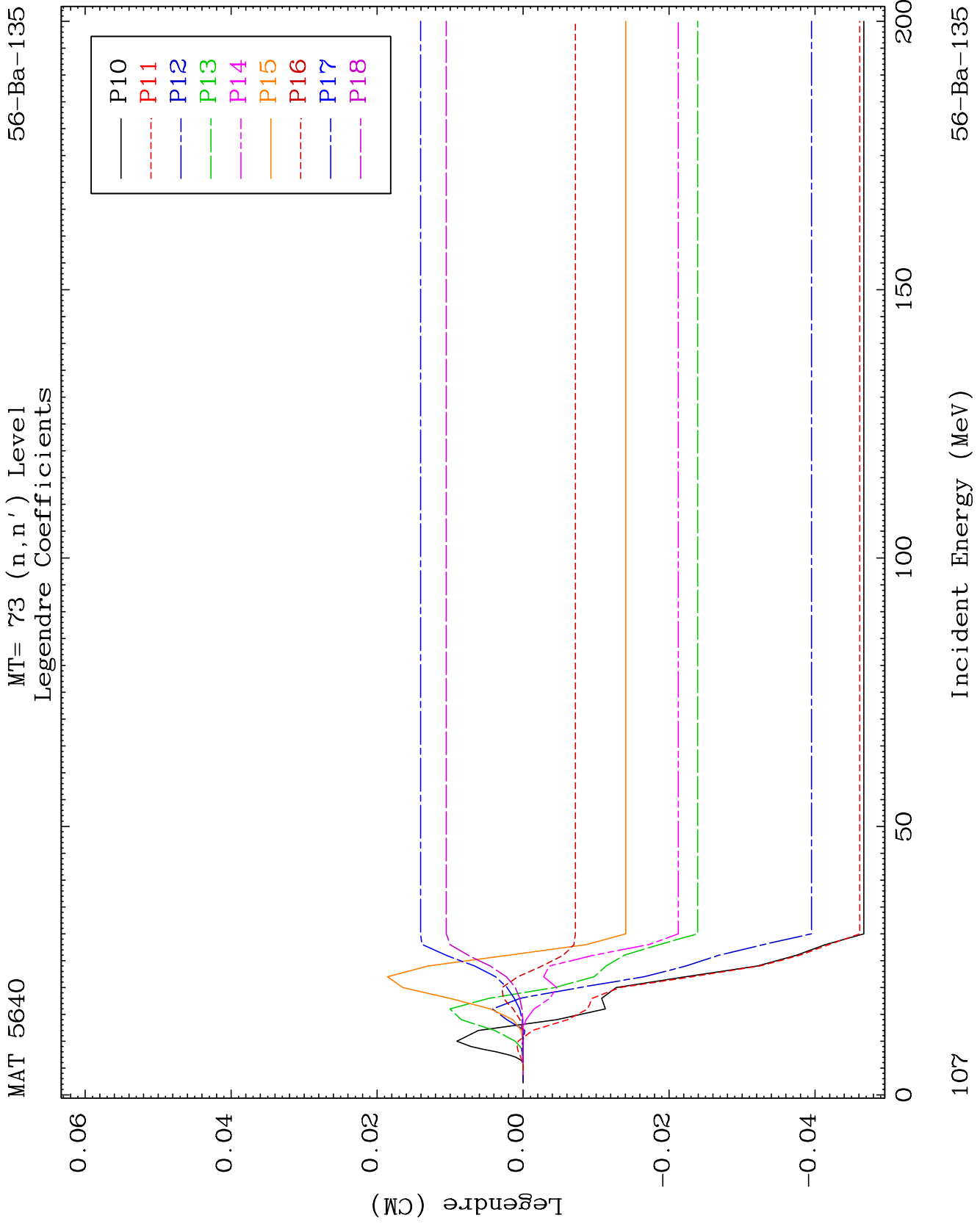
MAT 5640

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

56-Ba-135



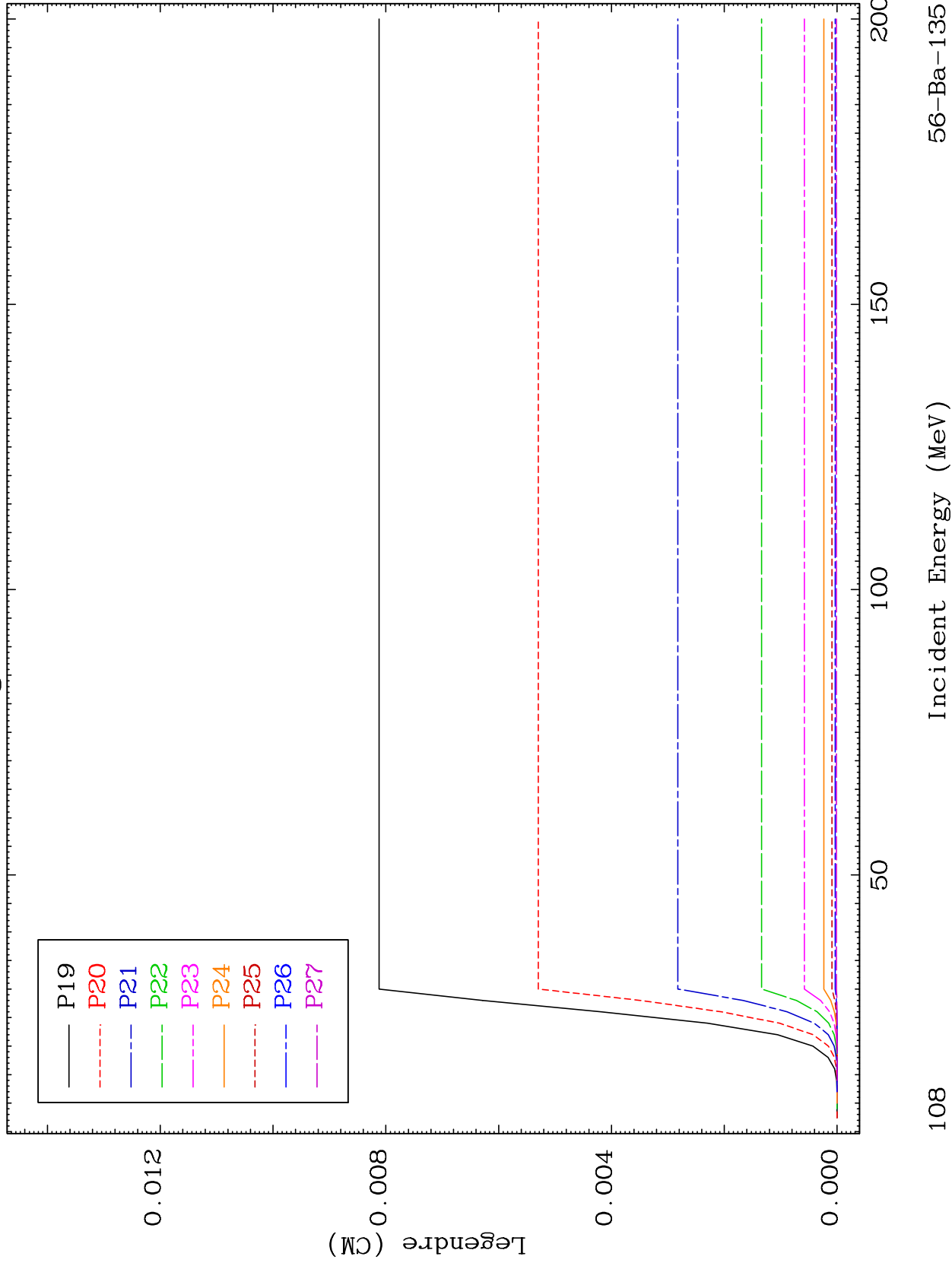




MAT 5640

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

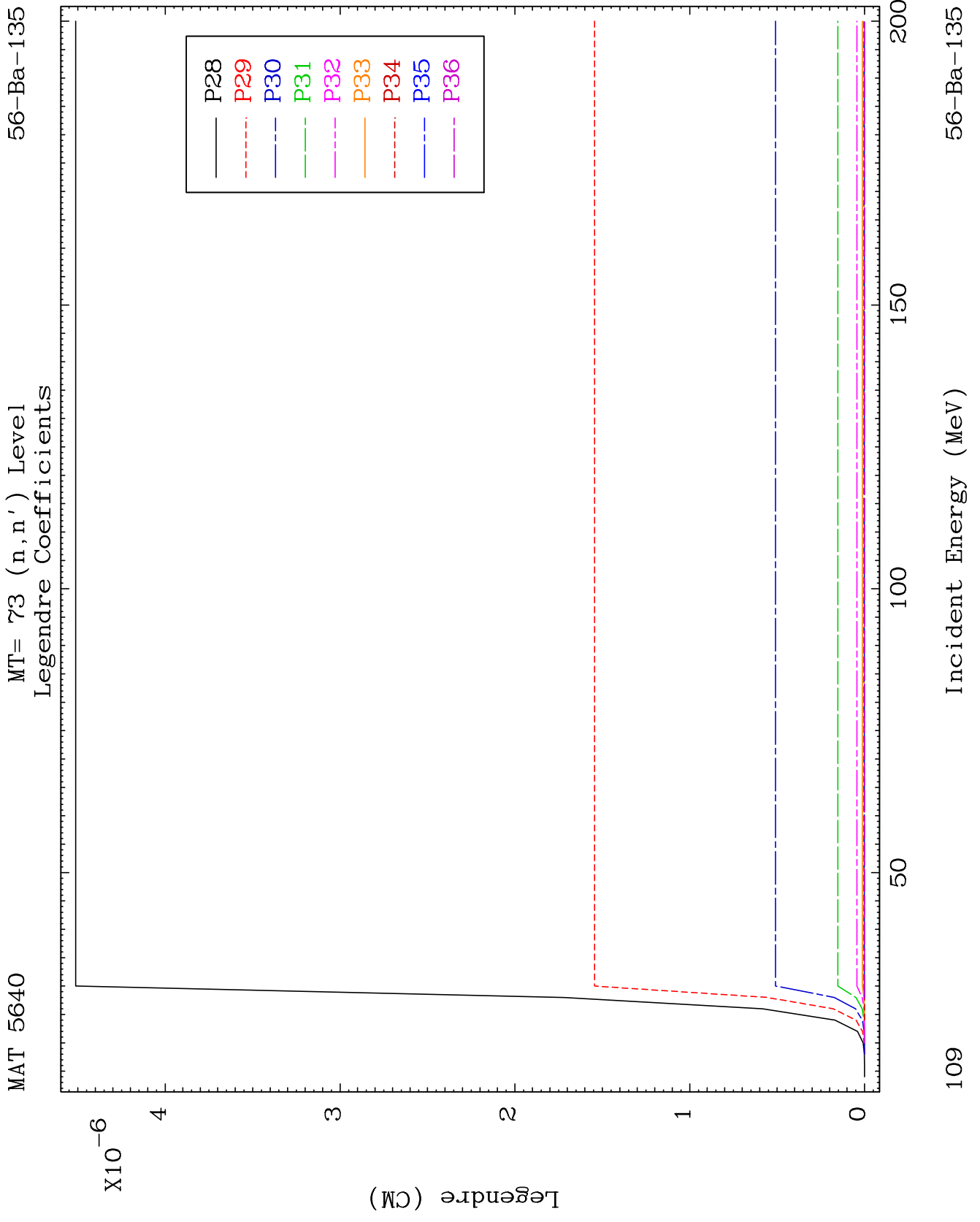
56-Ba-135

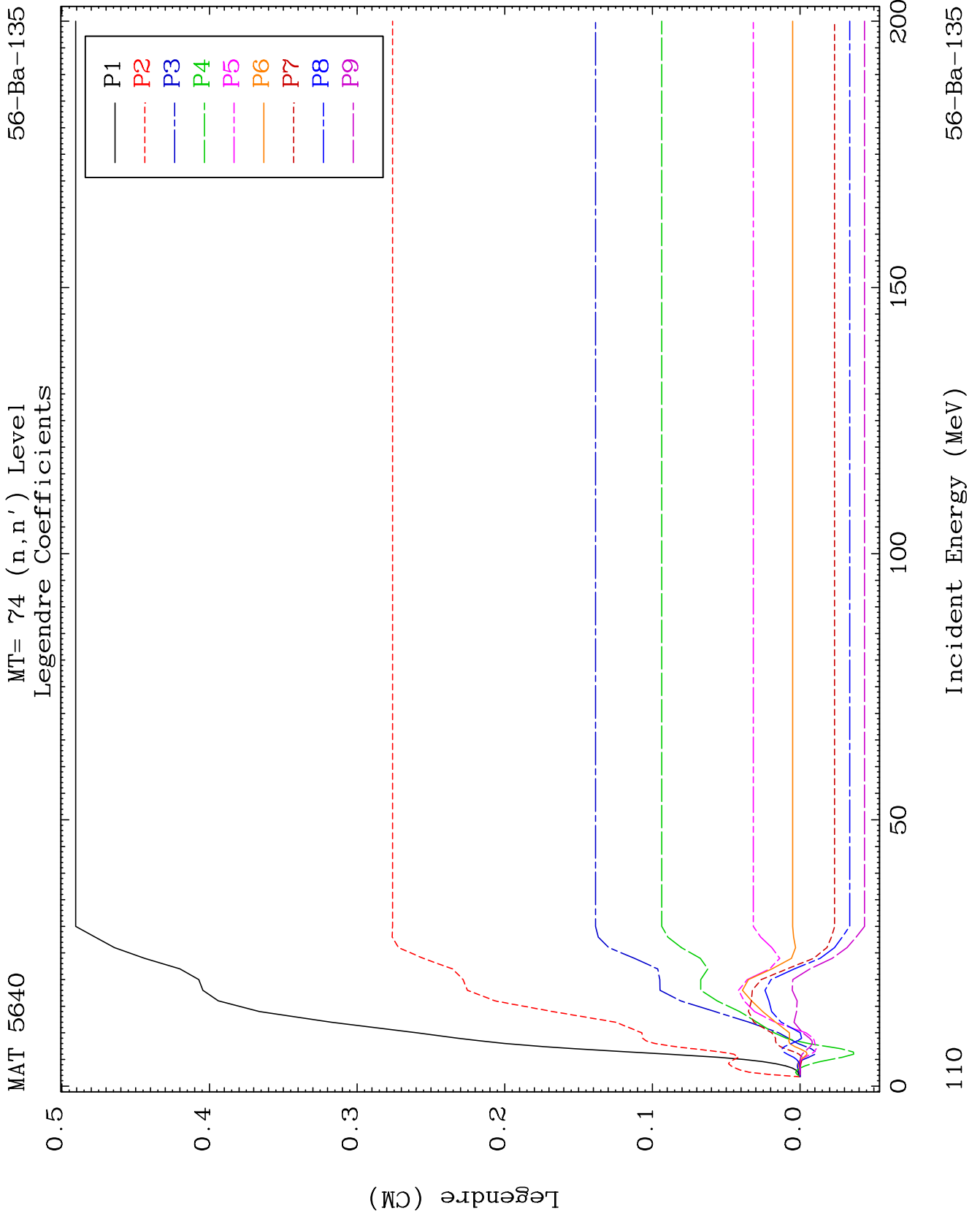


108

Incident Energy (MeV)

56-Ba-135

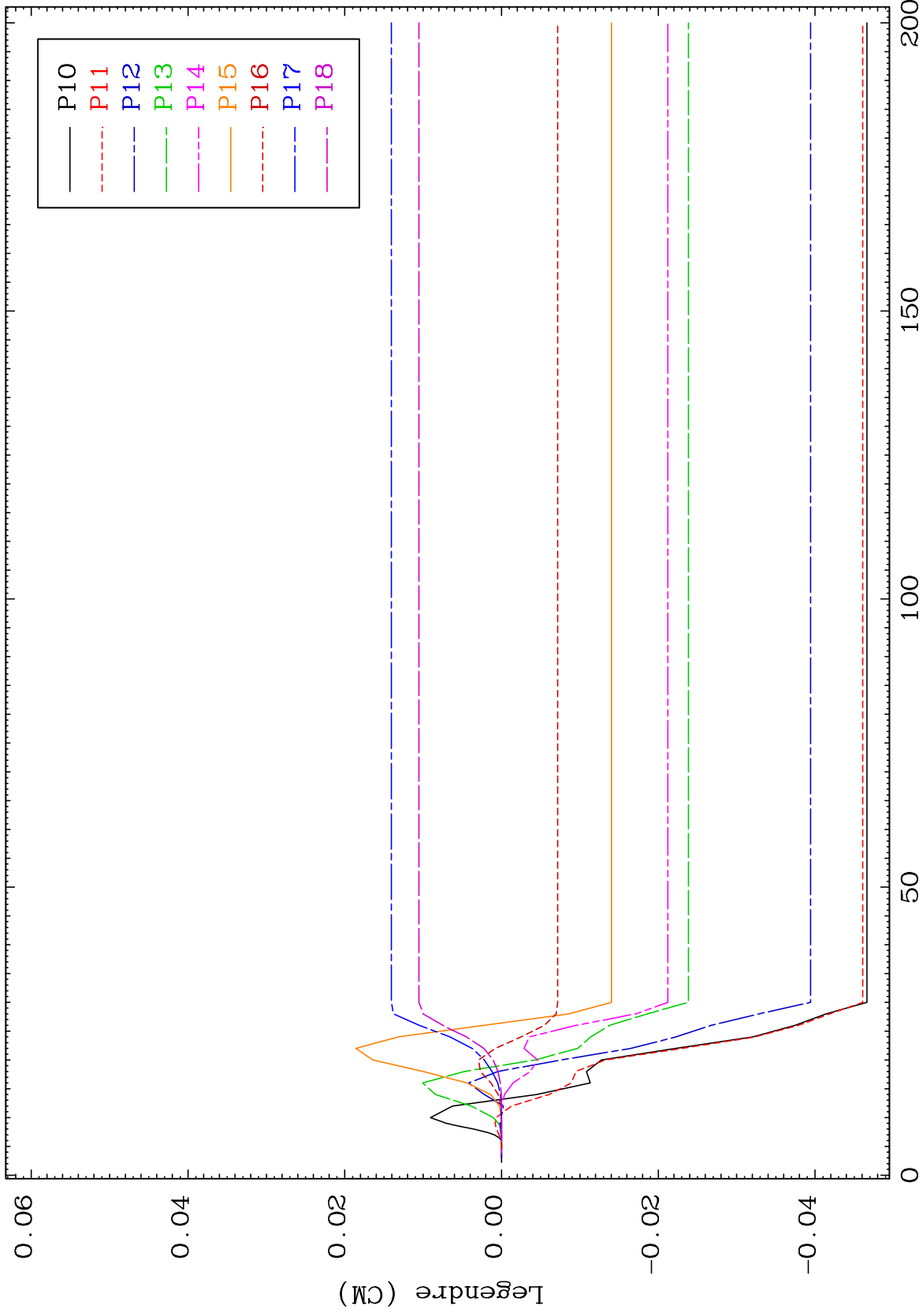




MAT 5640

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

56-Ba-135



111

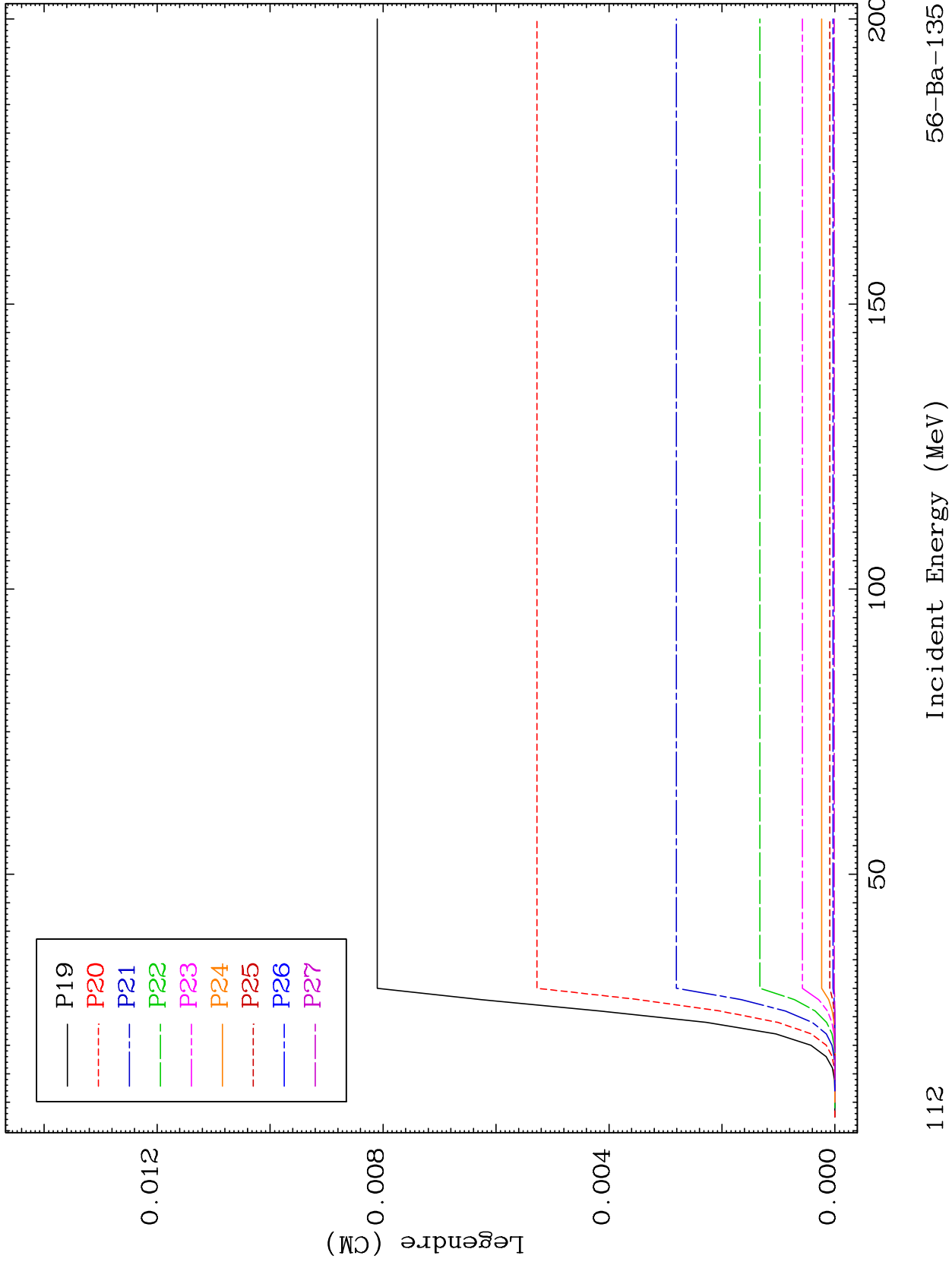
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



112

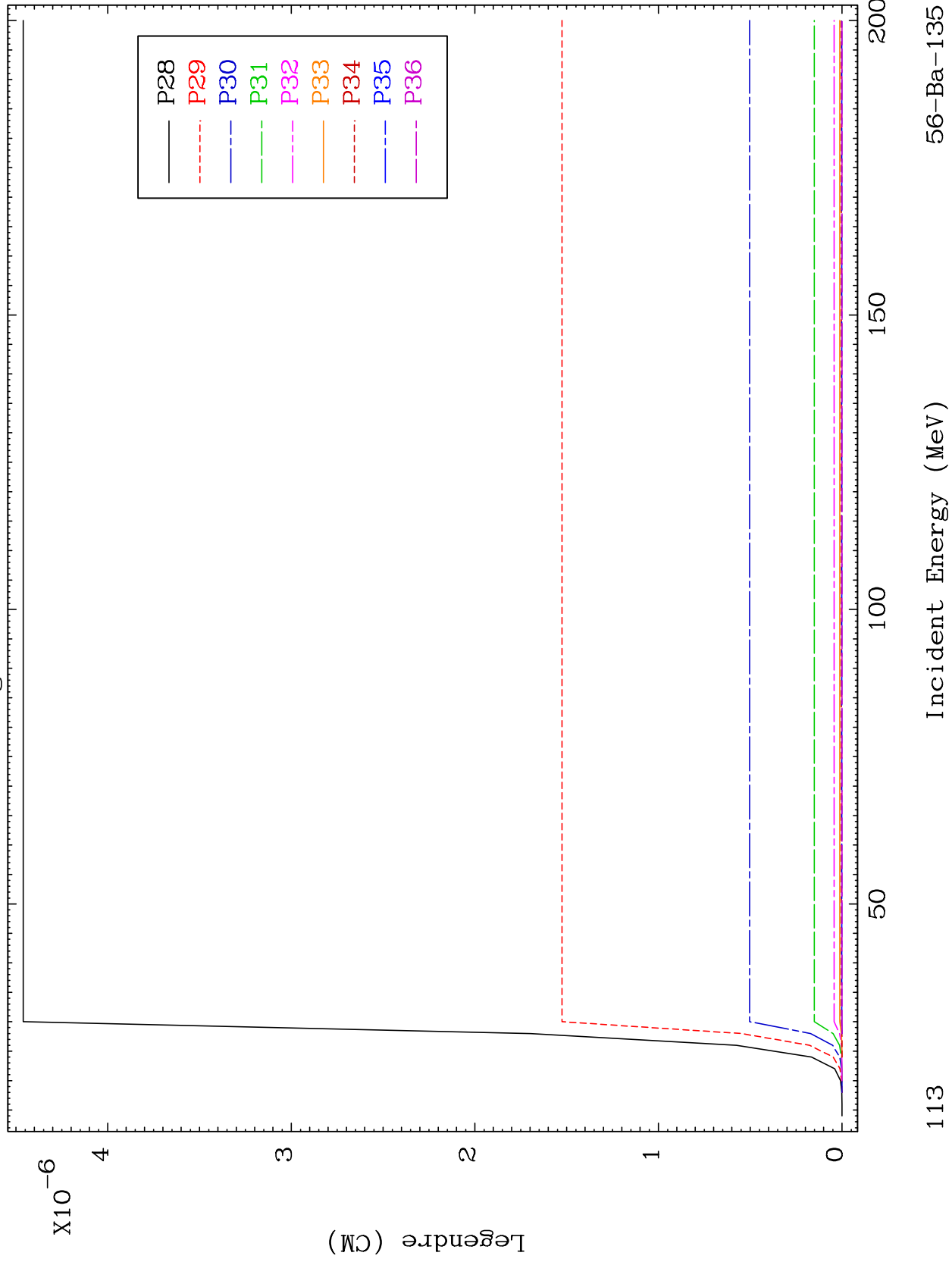
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



113

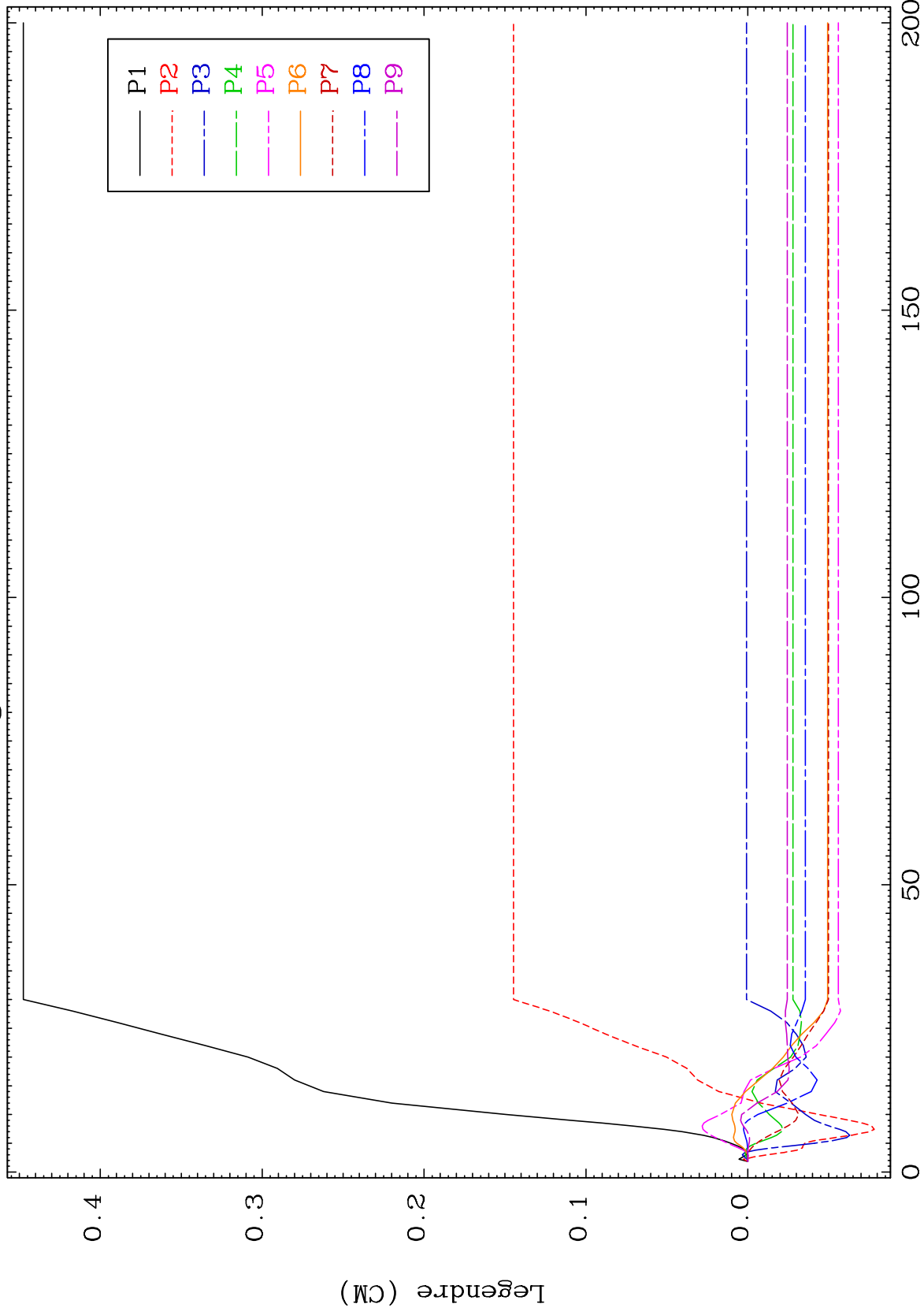
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



114

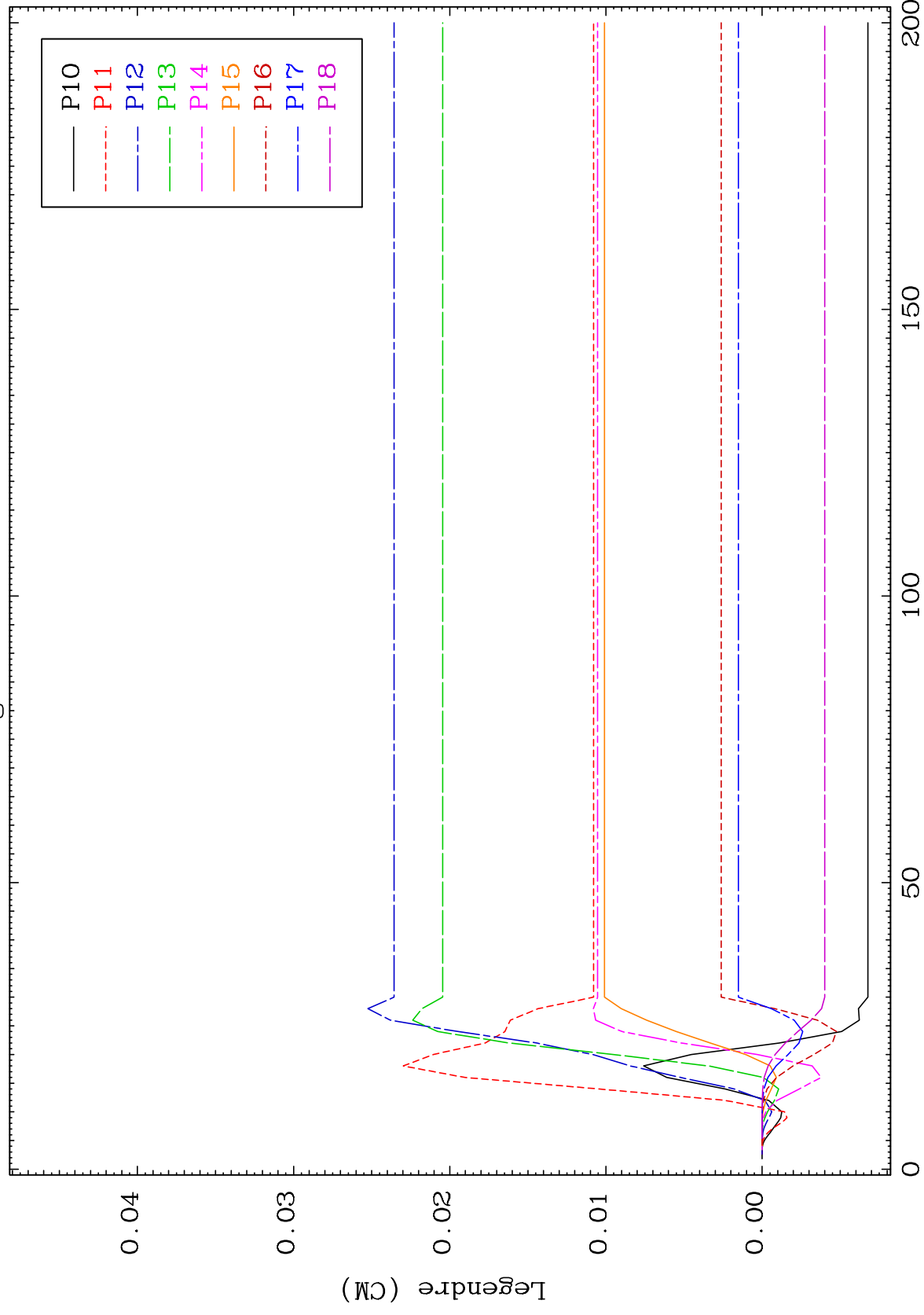
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



115

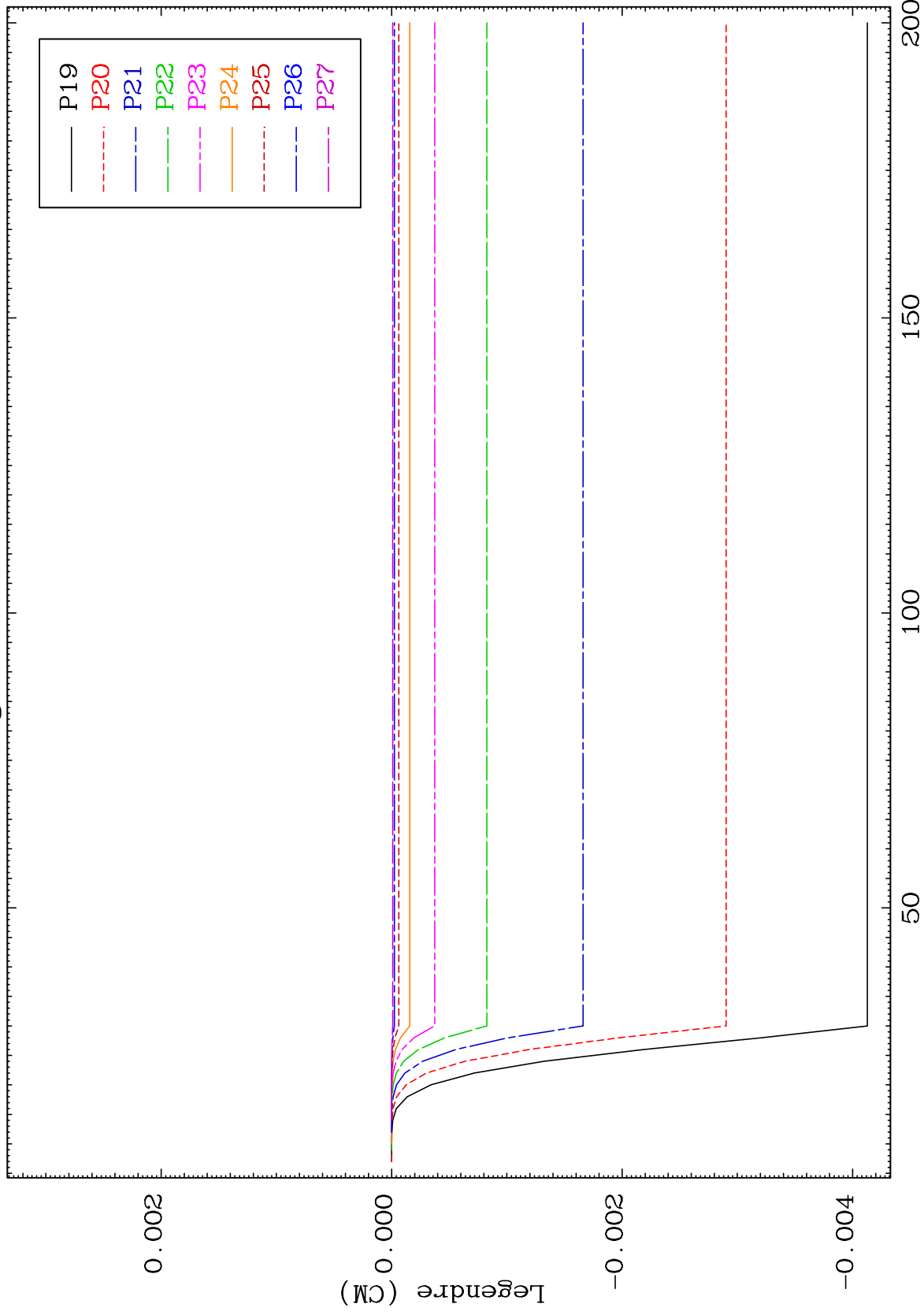
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

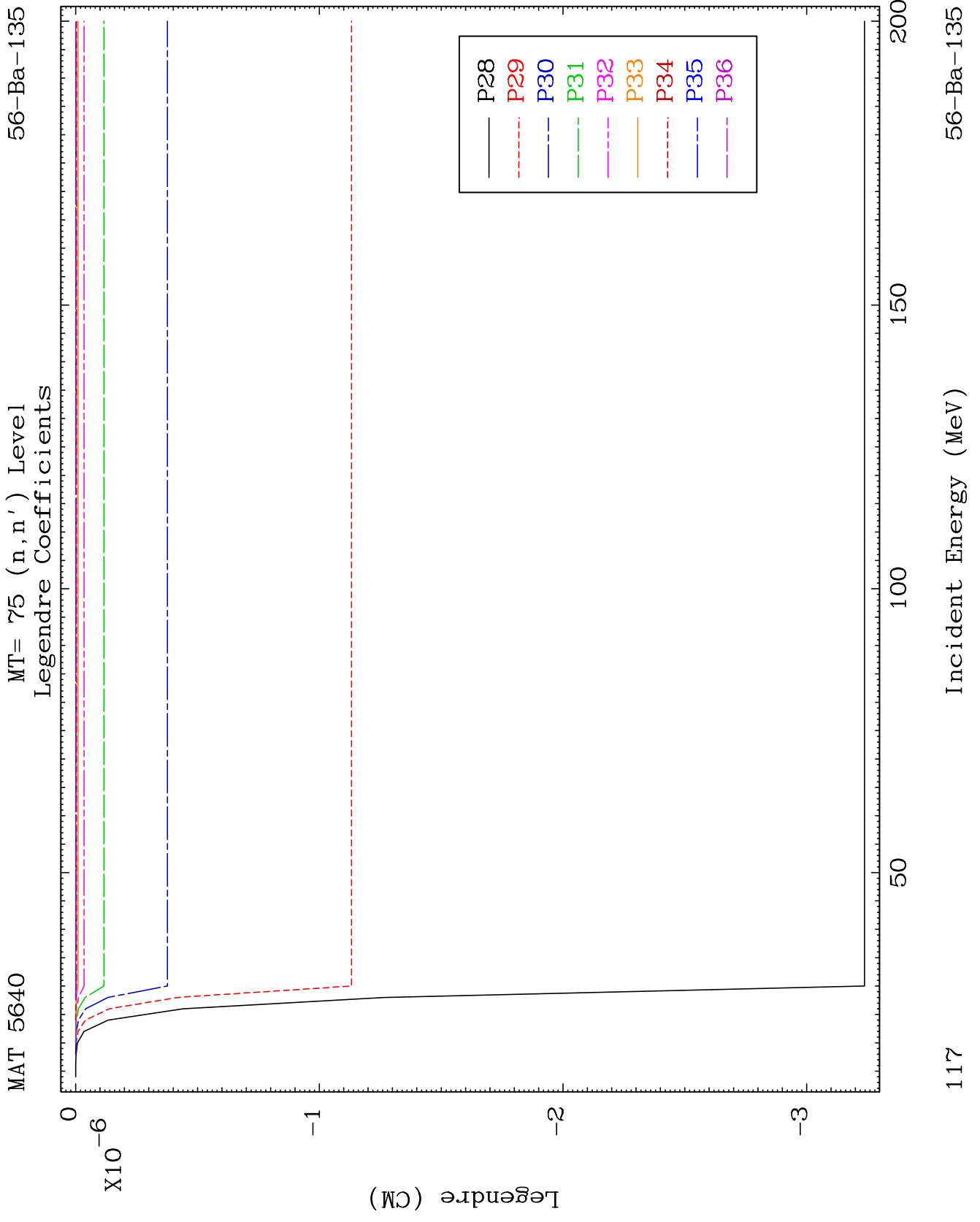
56-Ba-135

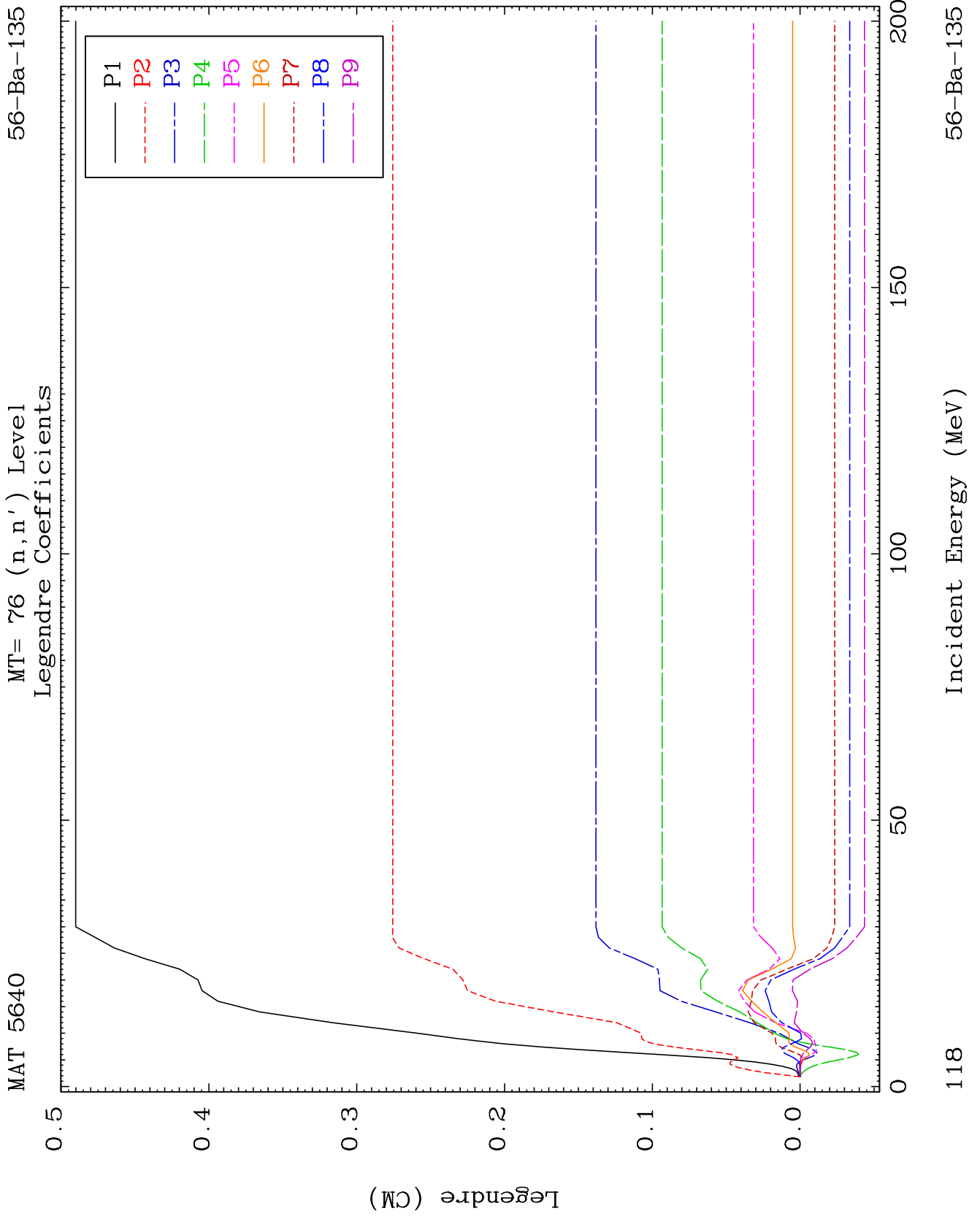


116

Incident Energy (MeV)

56-Ba-135

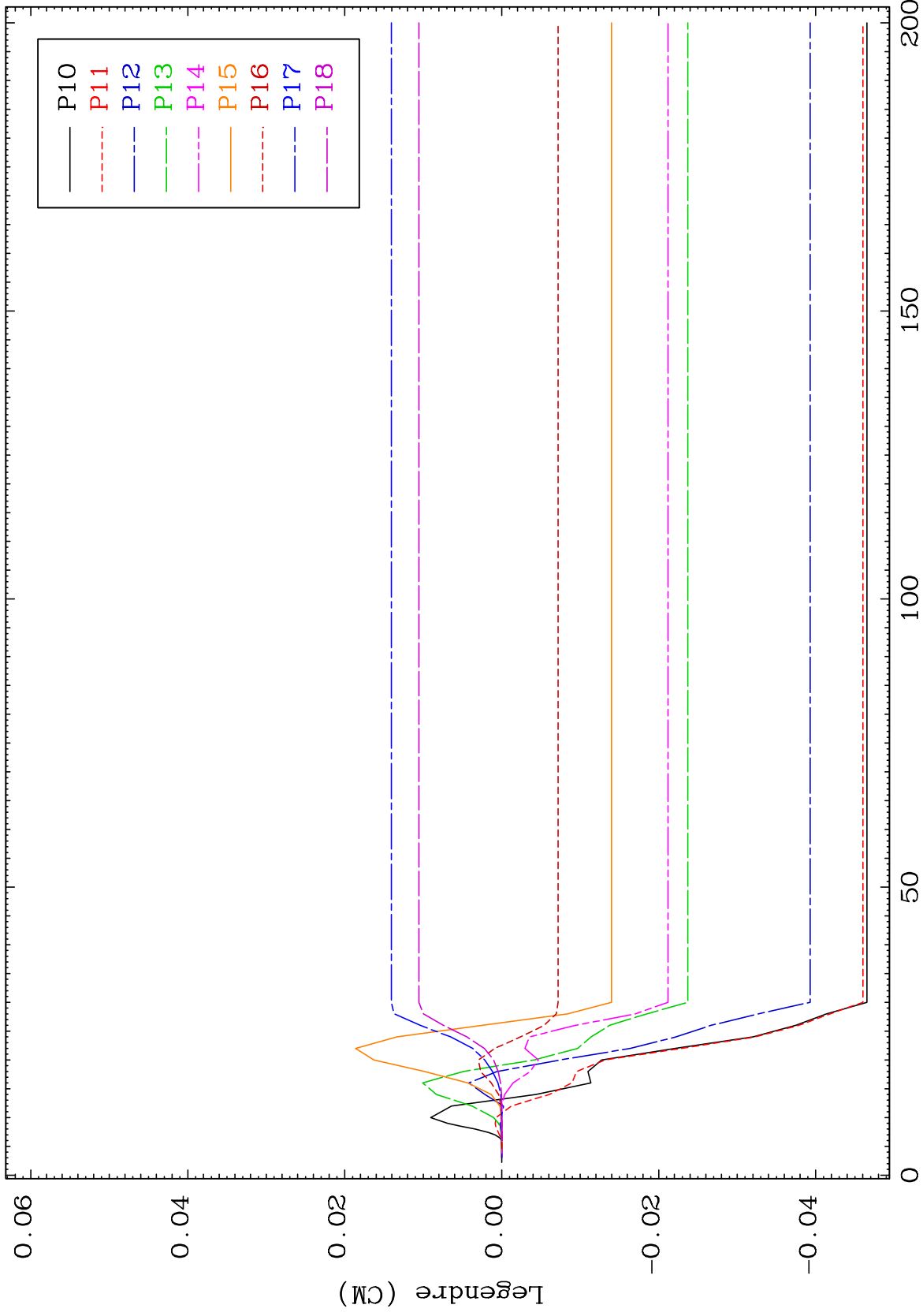




MAT 5640

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

56-Ba-135



119

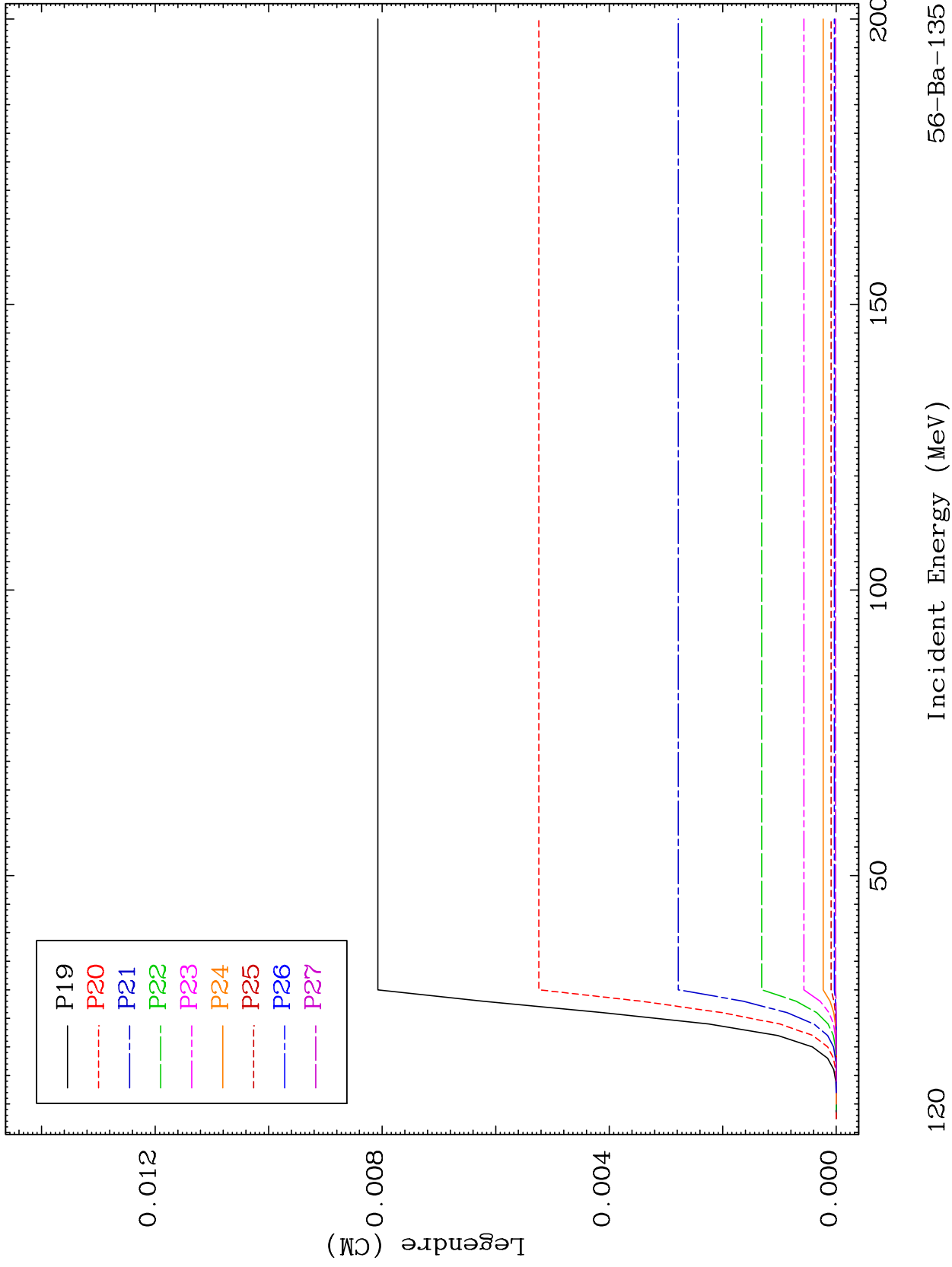
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

56-Ba-135



120

Incident Energy (MeV)

50

100

150

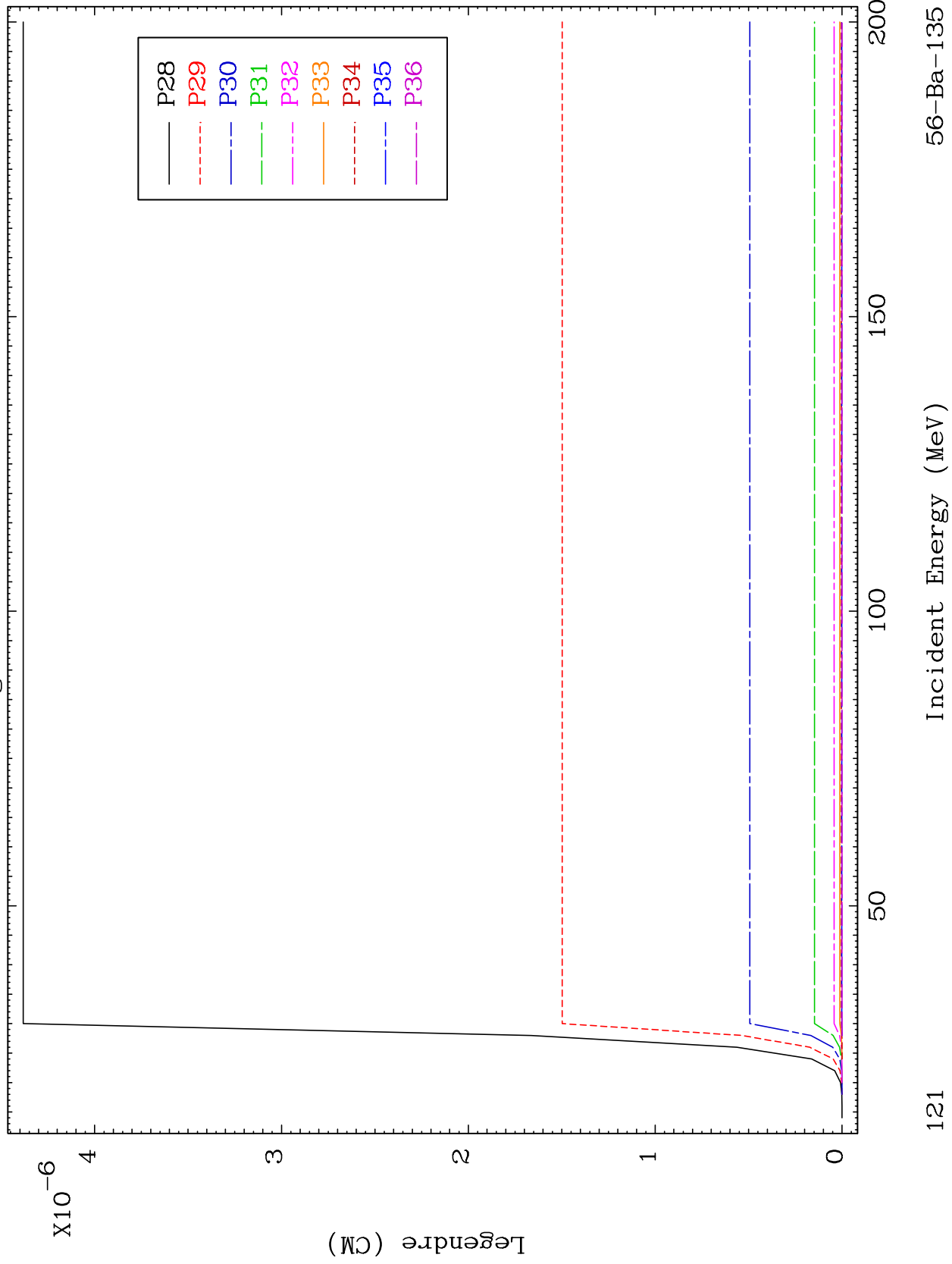
200

56-Ba-135

MAT 5640

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

56-Ba-135

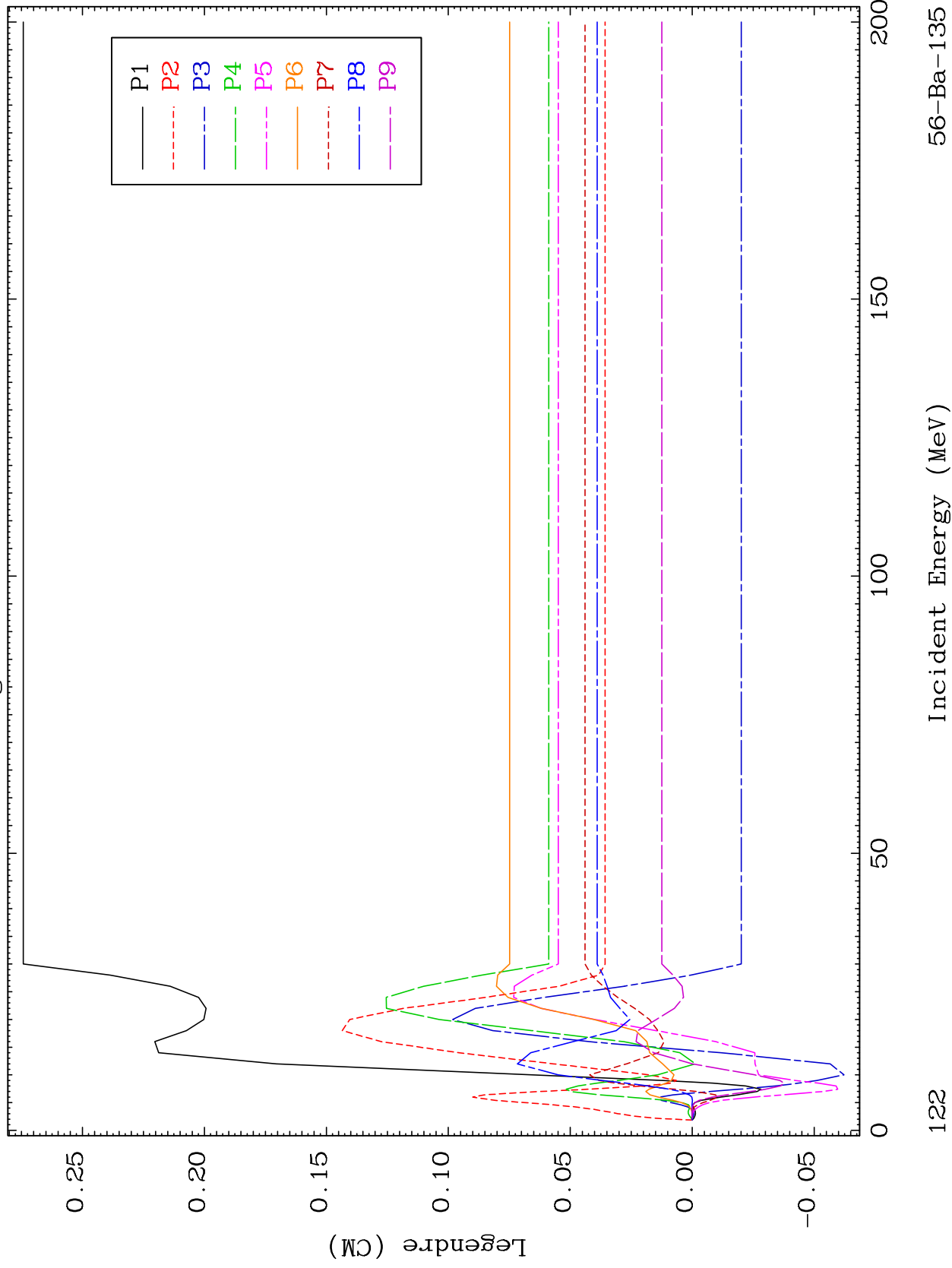


121

MAT 5640

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

56-Ba-135



56-Ba-135

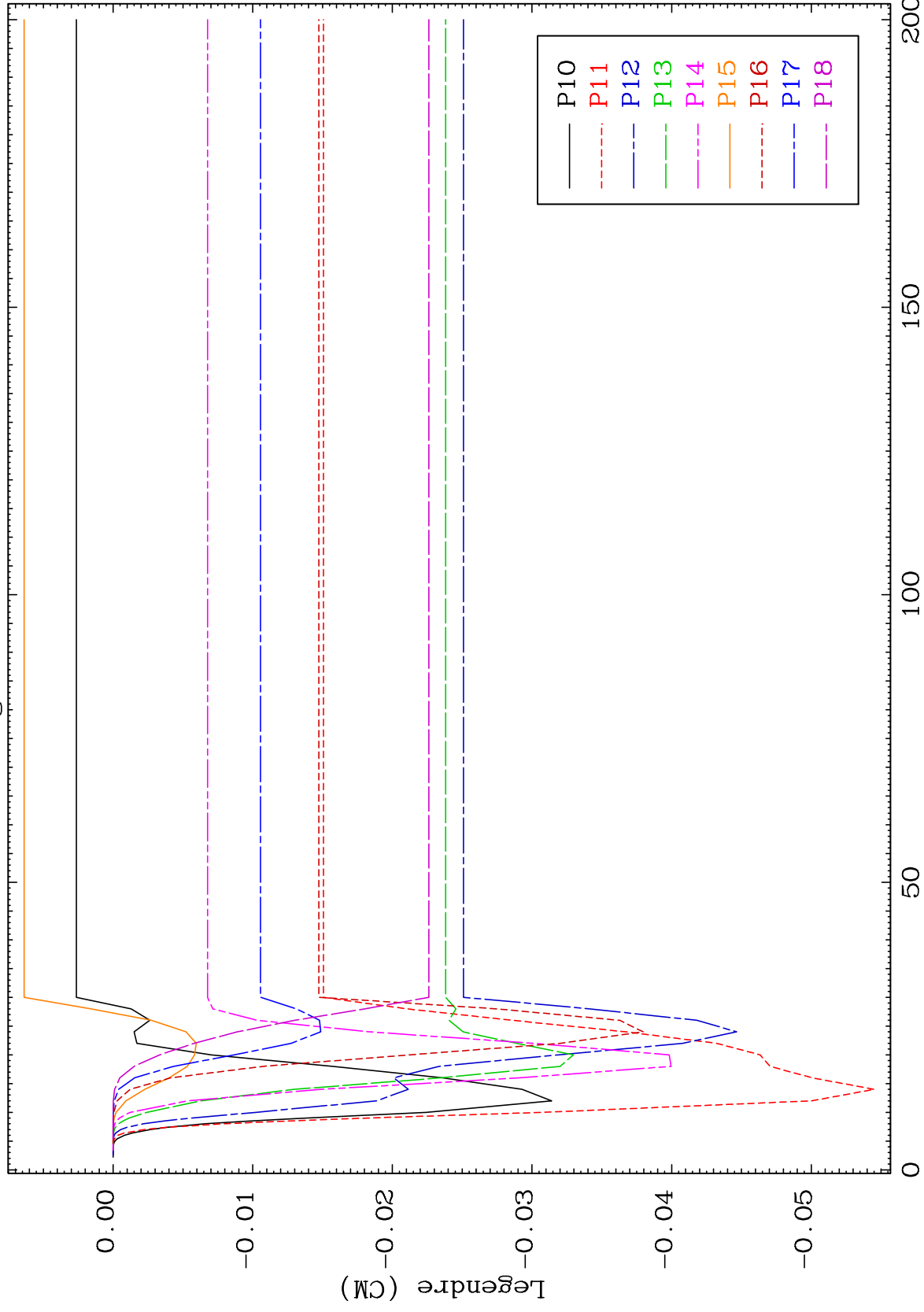
Incident Energy (MeV)

122

MAT 5640

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

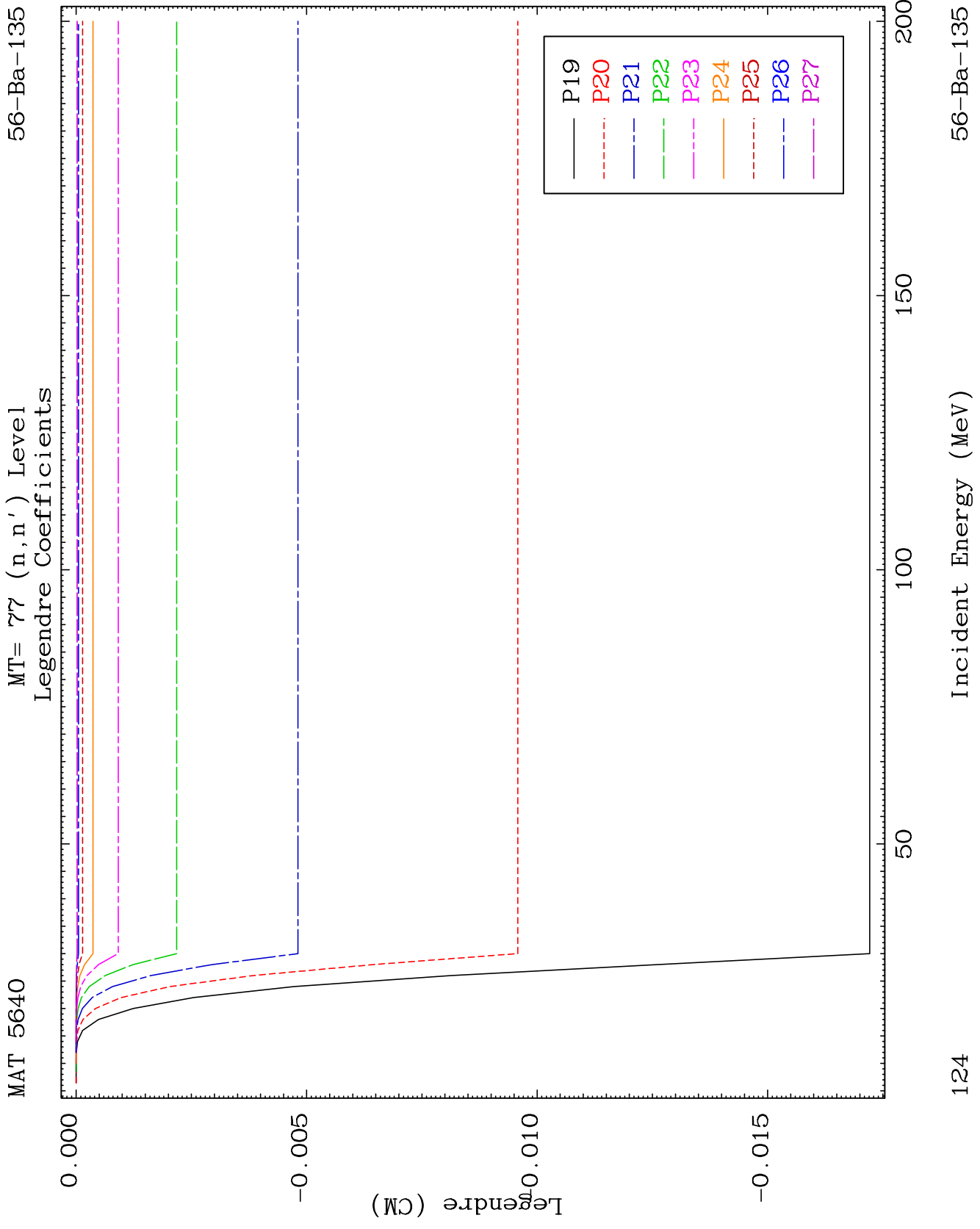
56-Ba-135

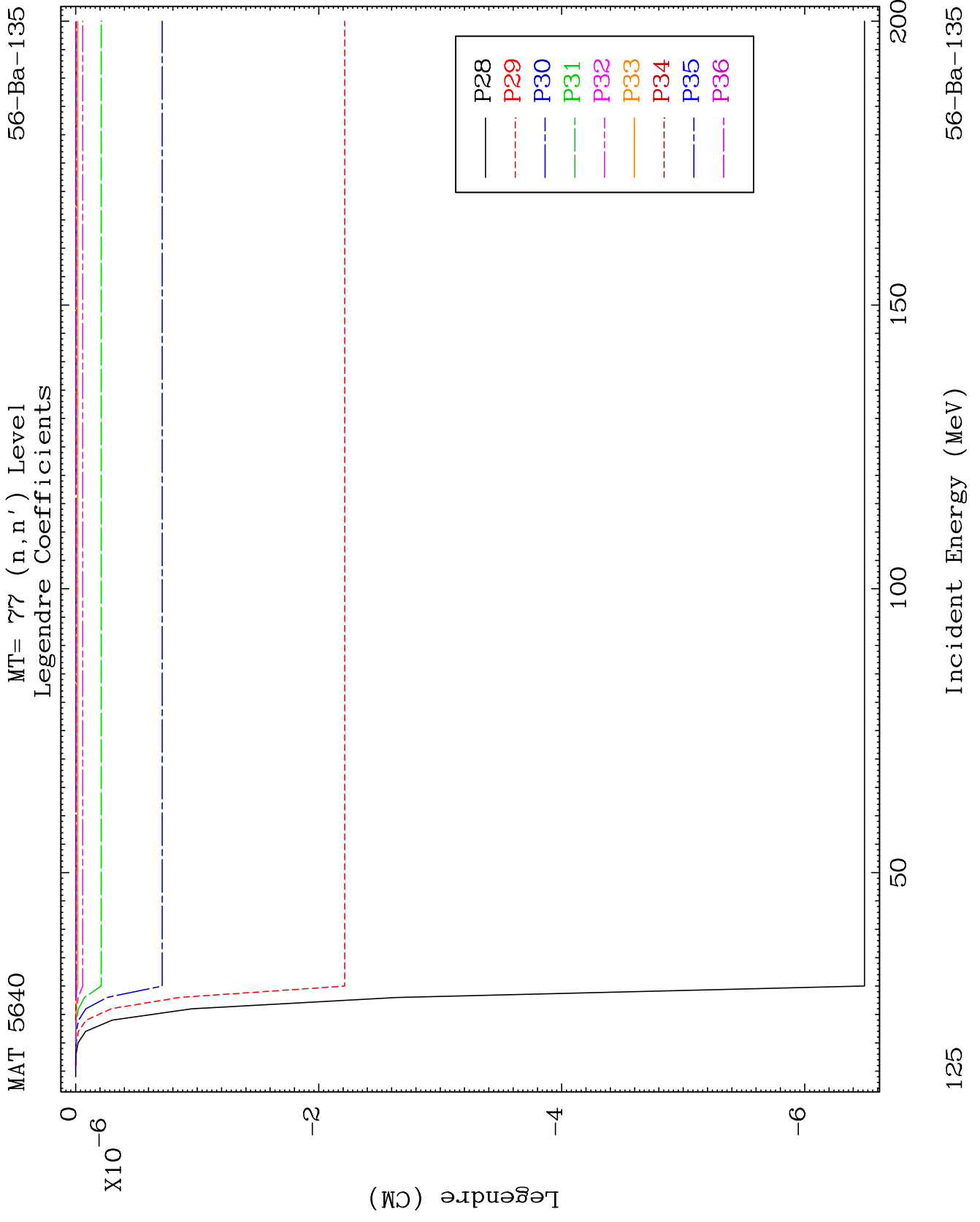


123

Incident Energy (MeV)

56-Ba-135

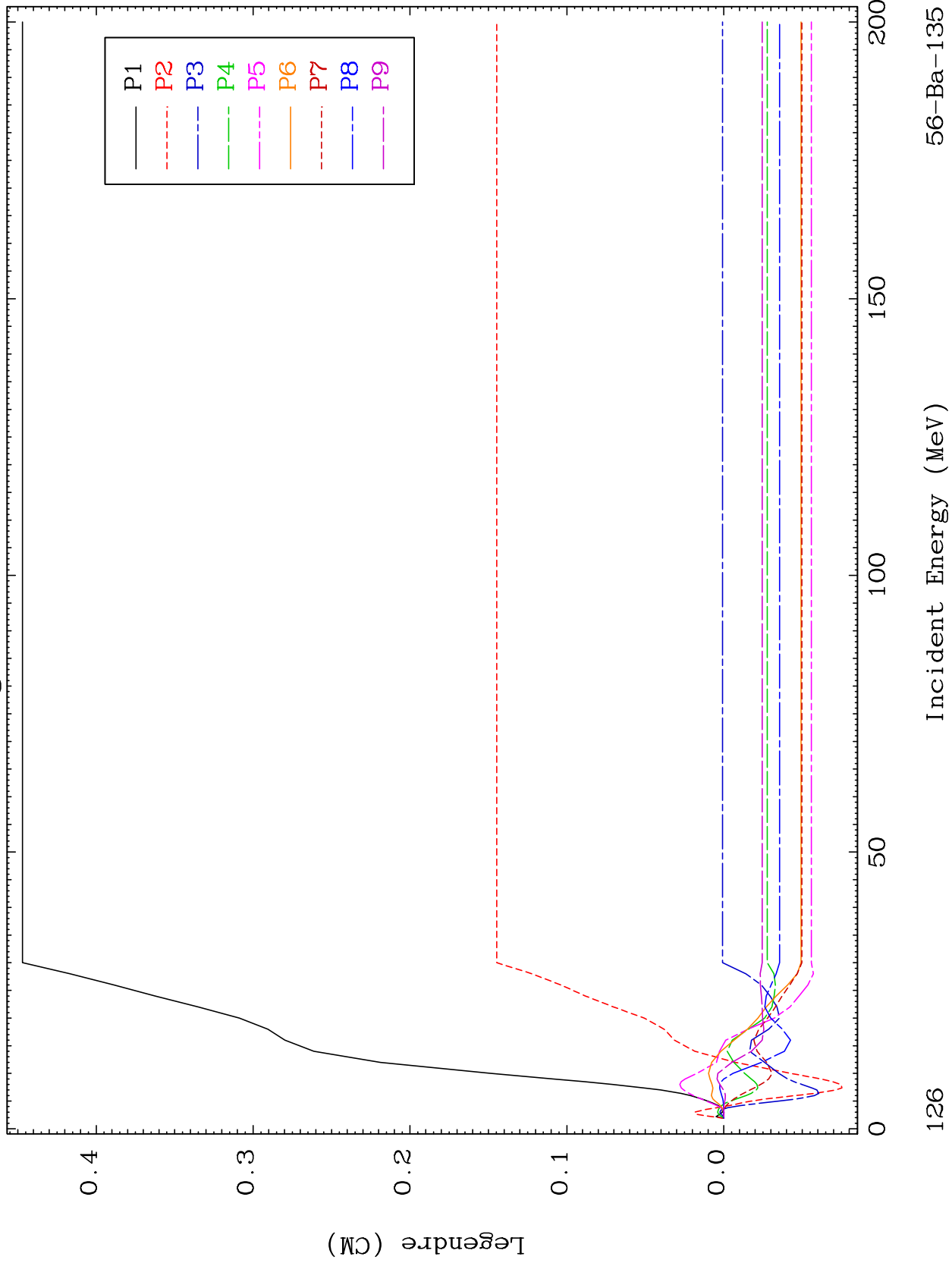




MAT 5640

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

56-Ba-135



56-Ba-135

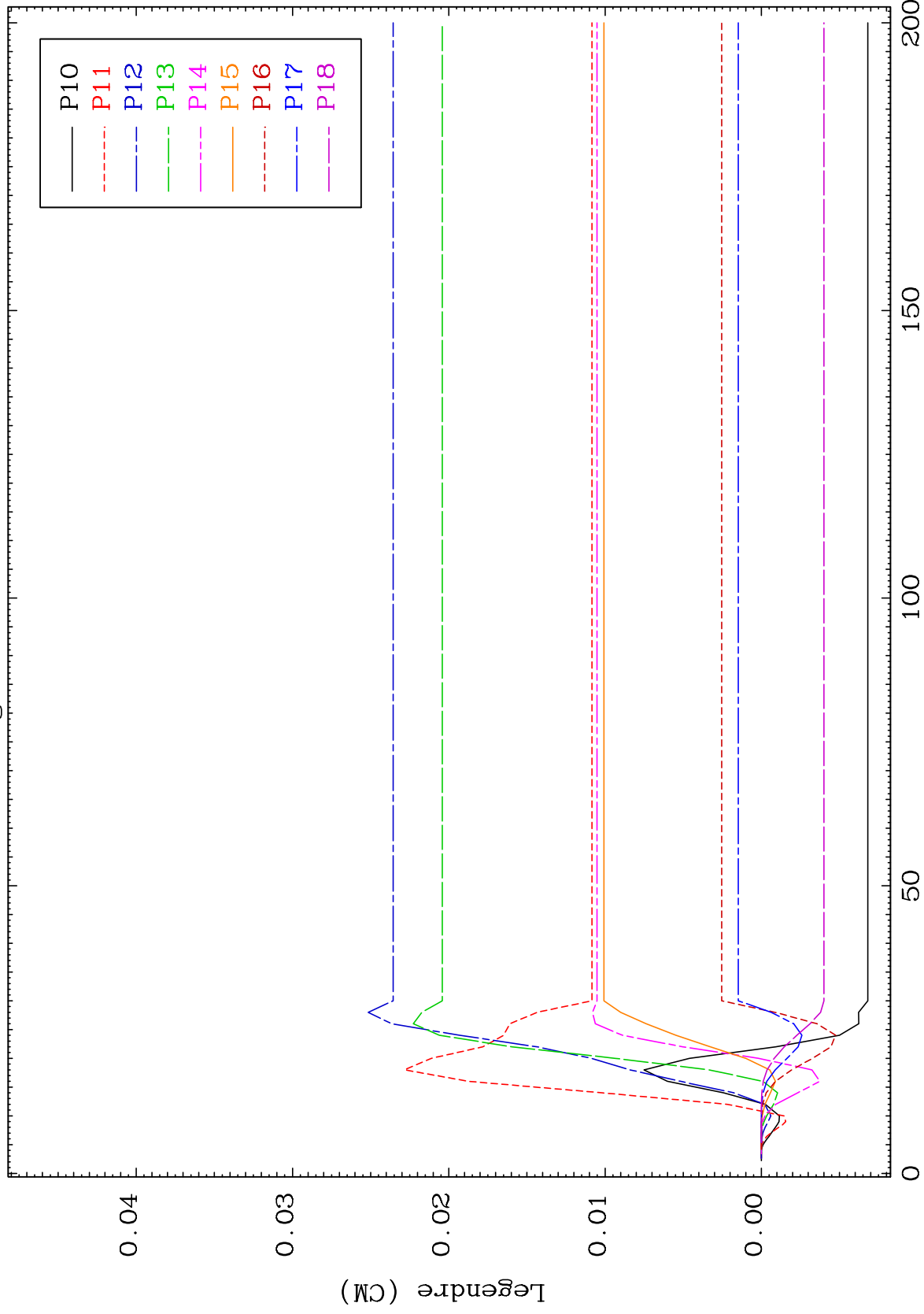
Incident Energy (MeV)

126

MAT 5640

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

56-Ba-135



127

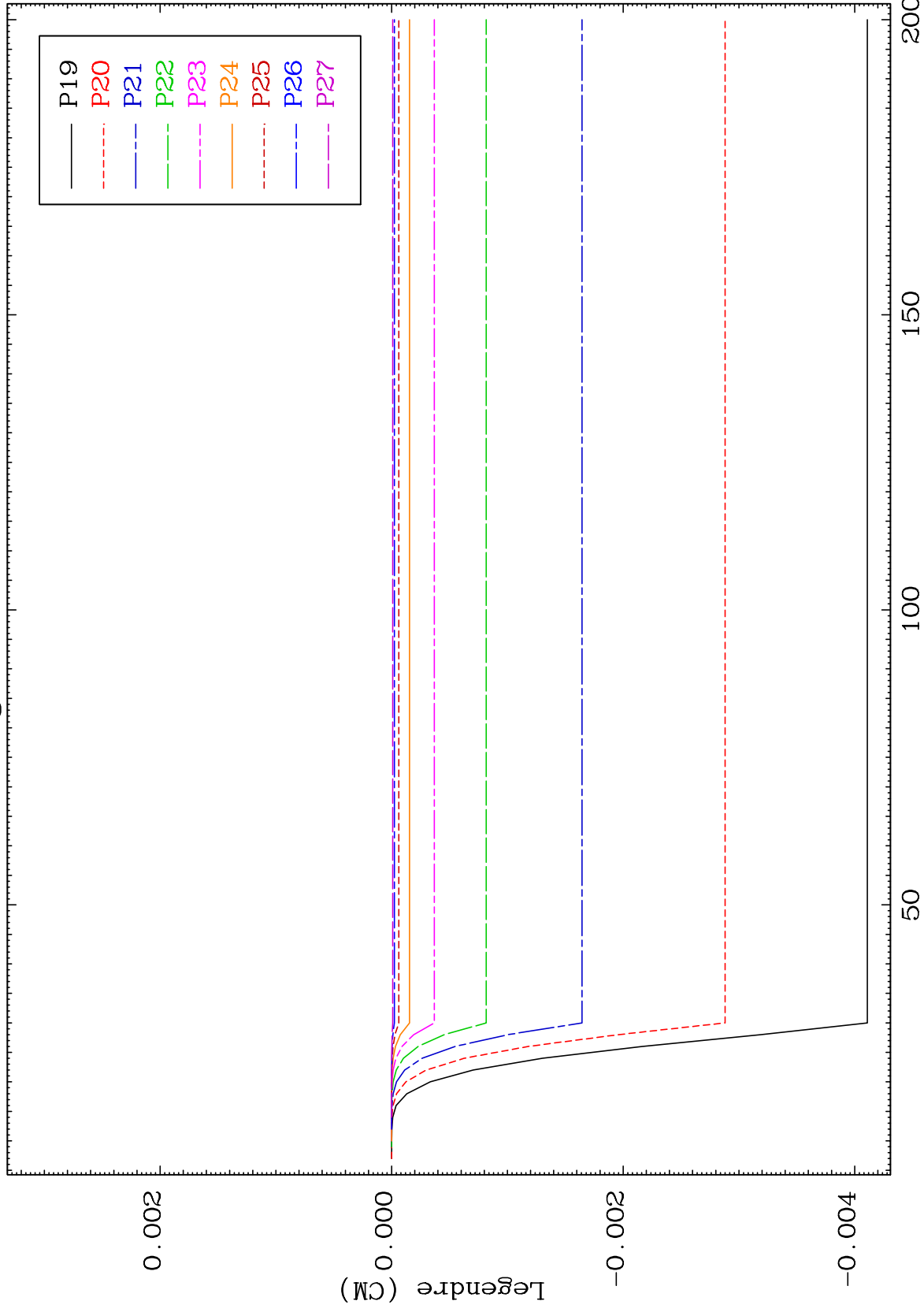
Incident Energy (MeV)

56-Ba-135

MAT 5640

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

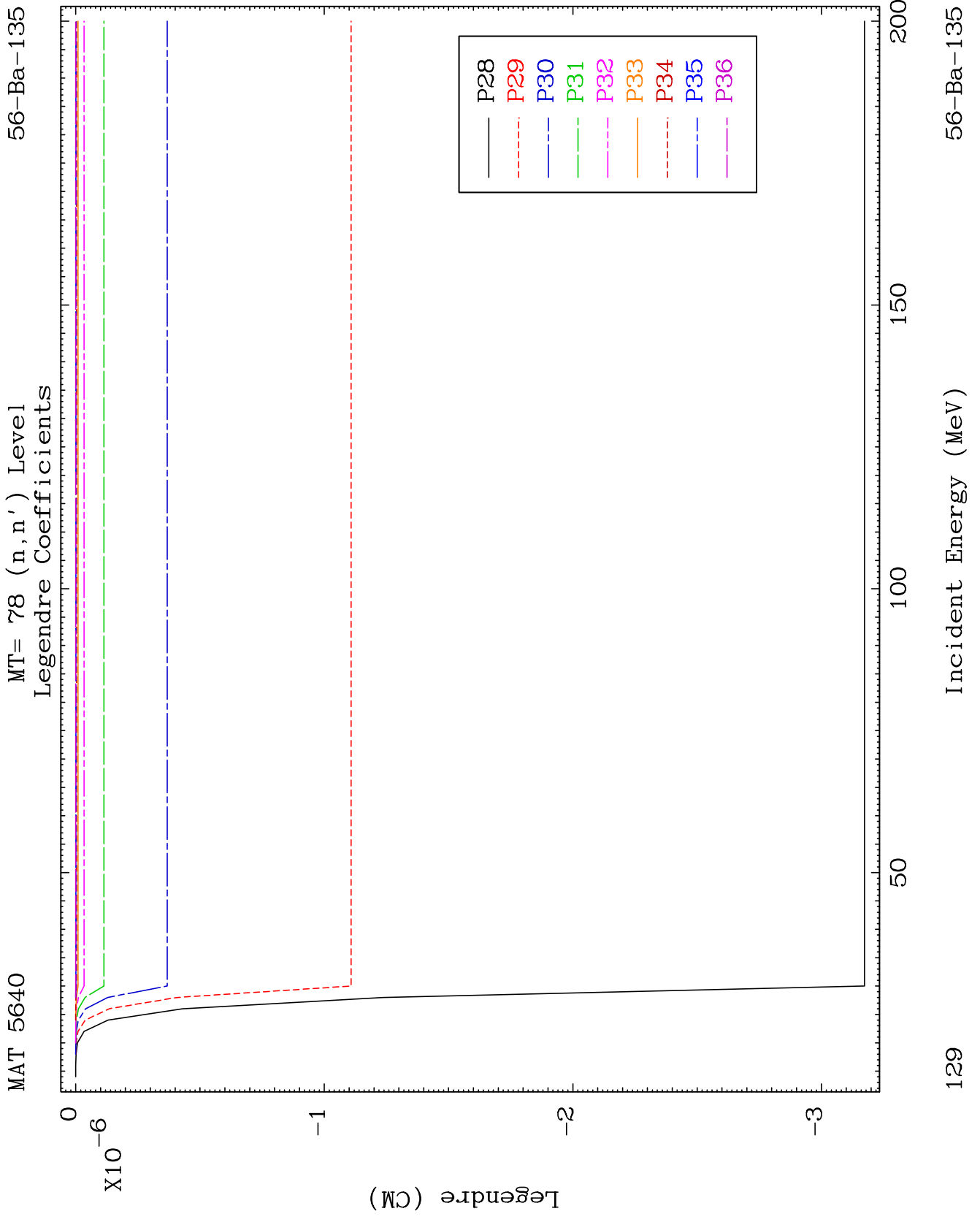
56-Ba-135

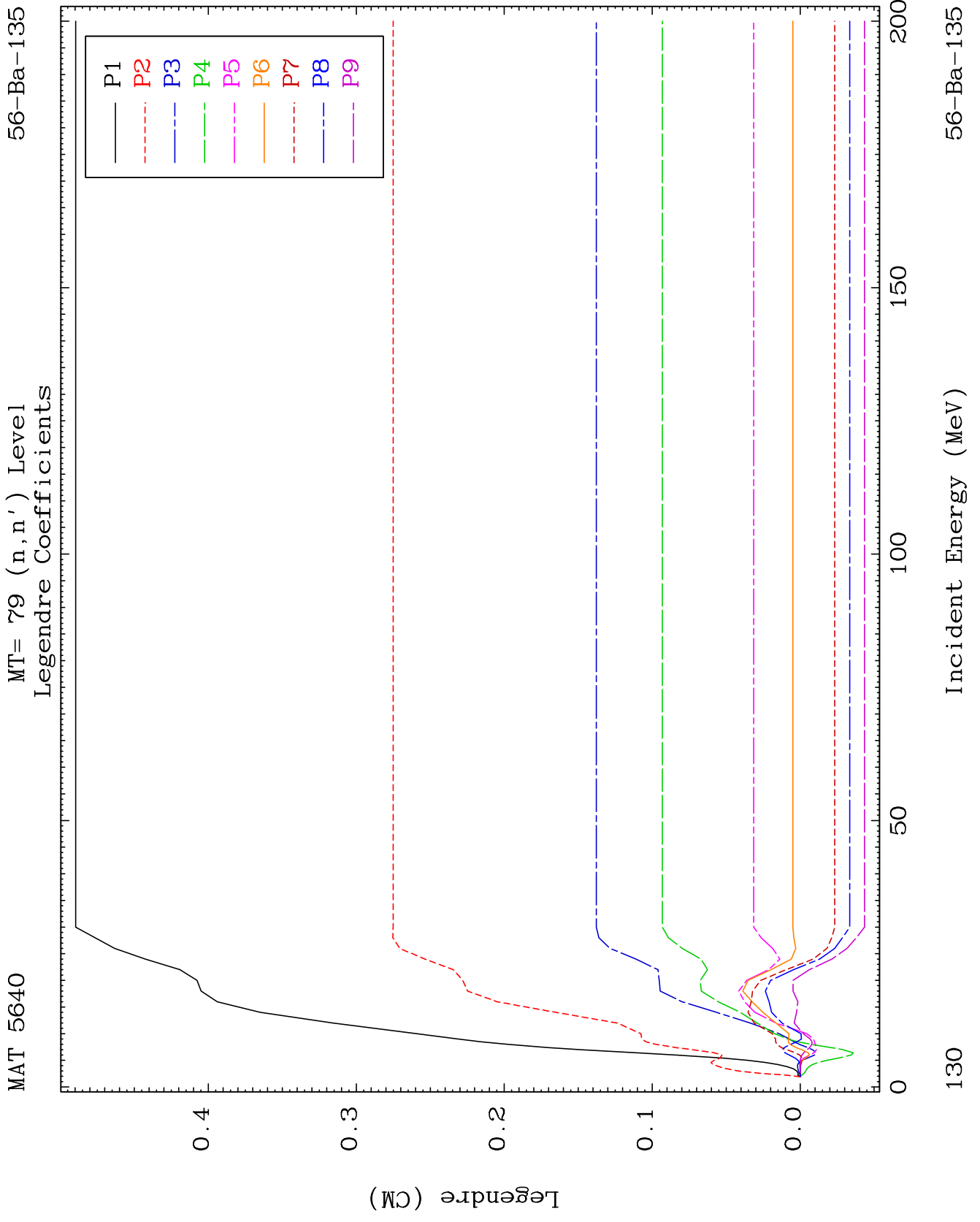


128

Incident Energy (MeV)

56-Ba-135



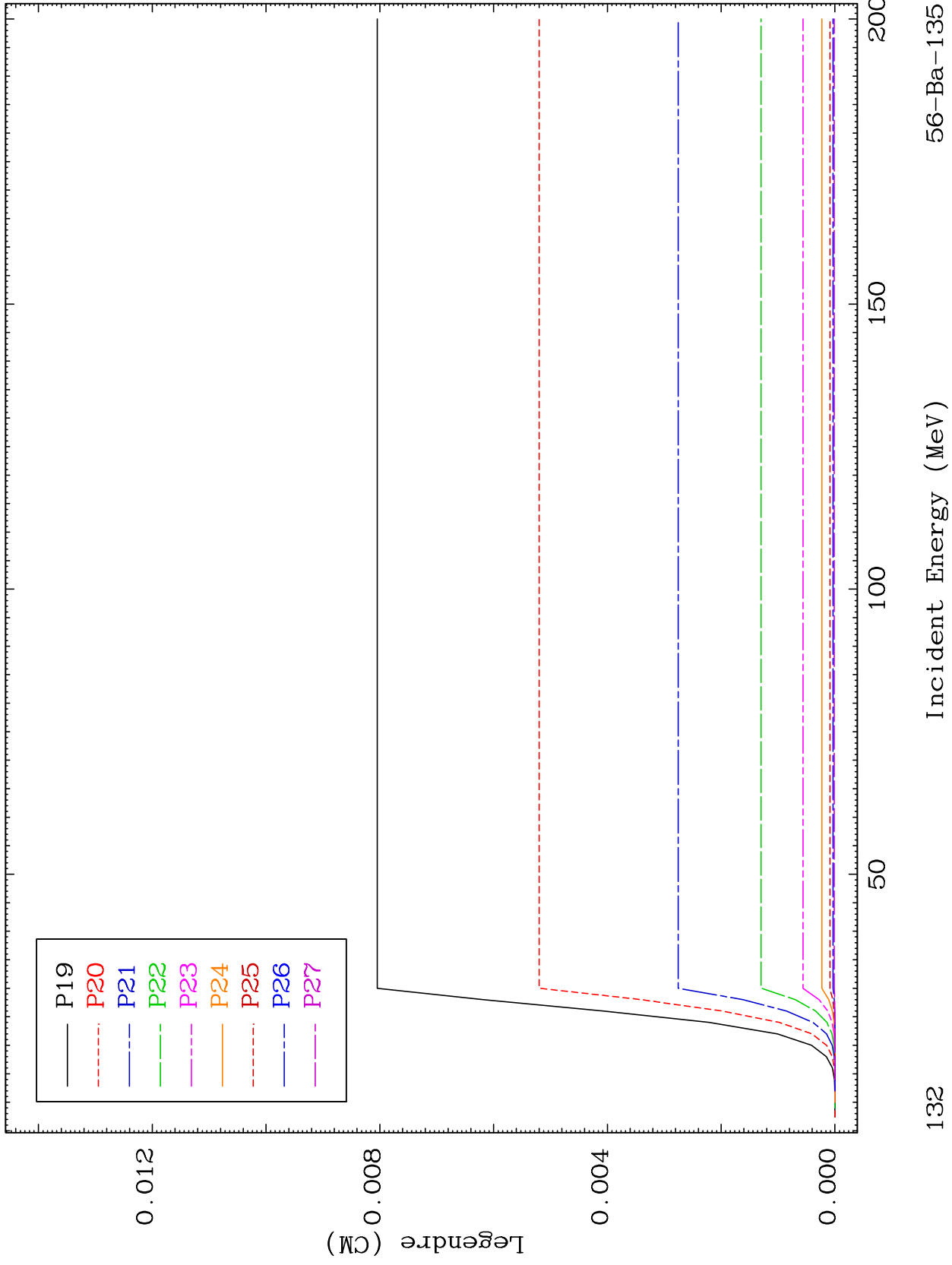




MAT 5640

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

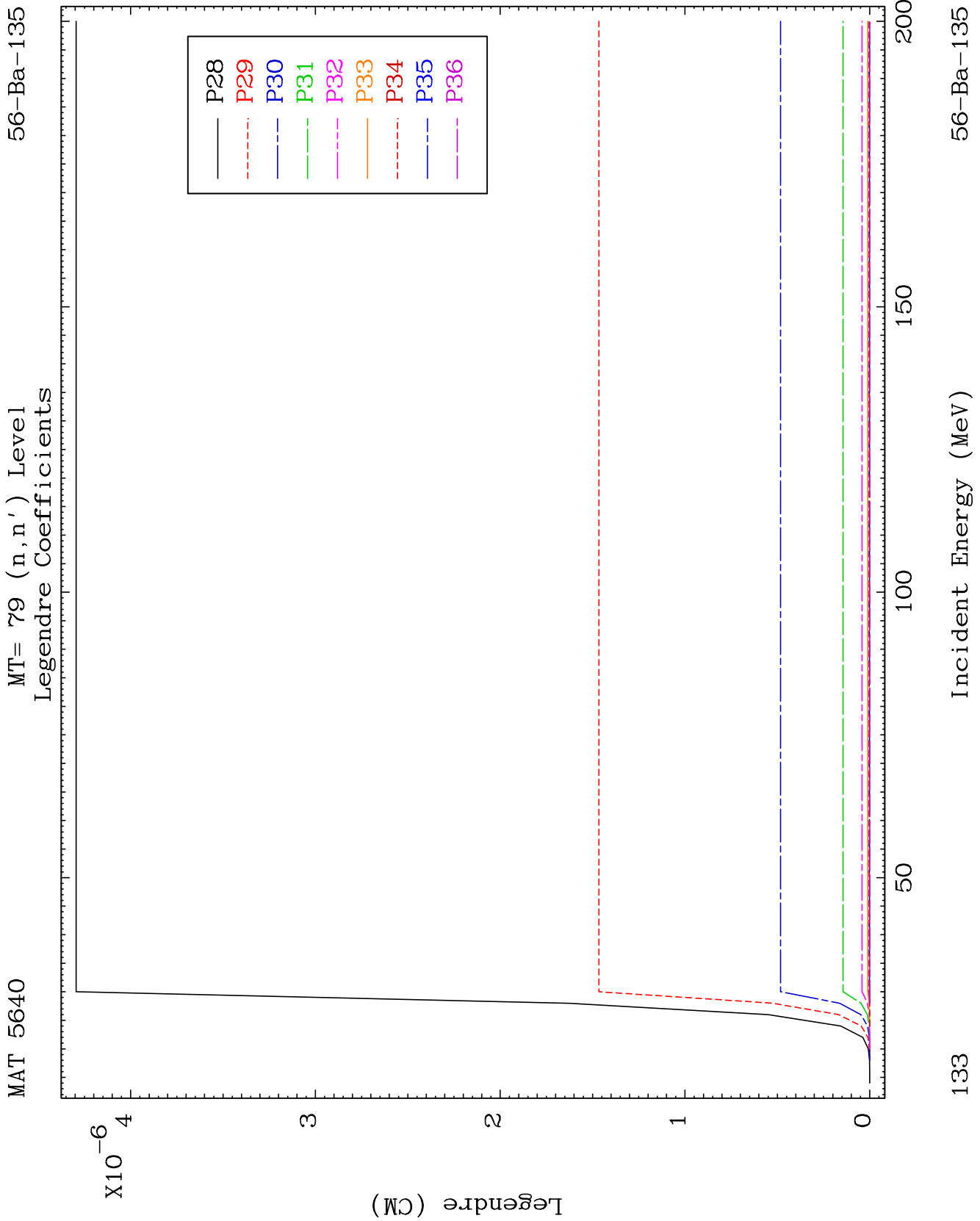
56-Ba-135

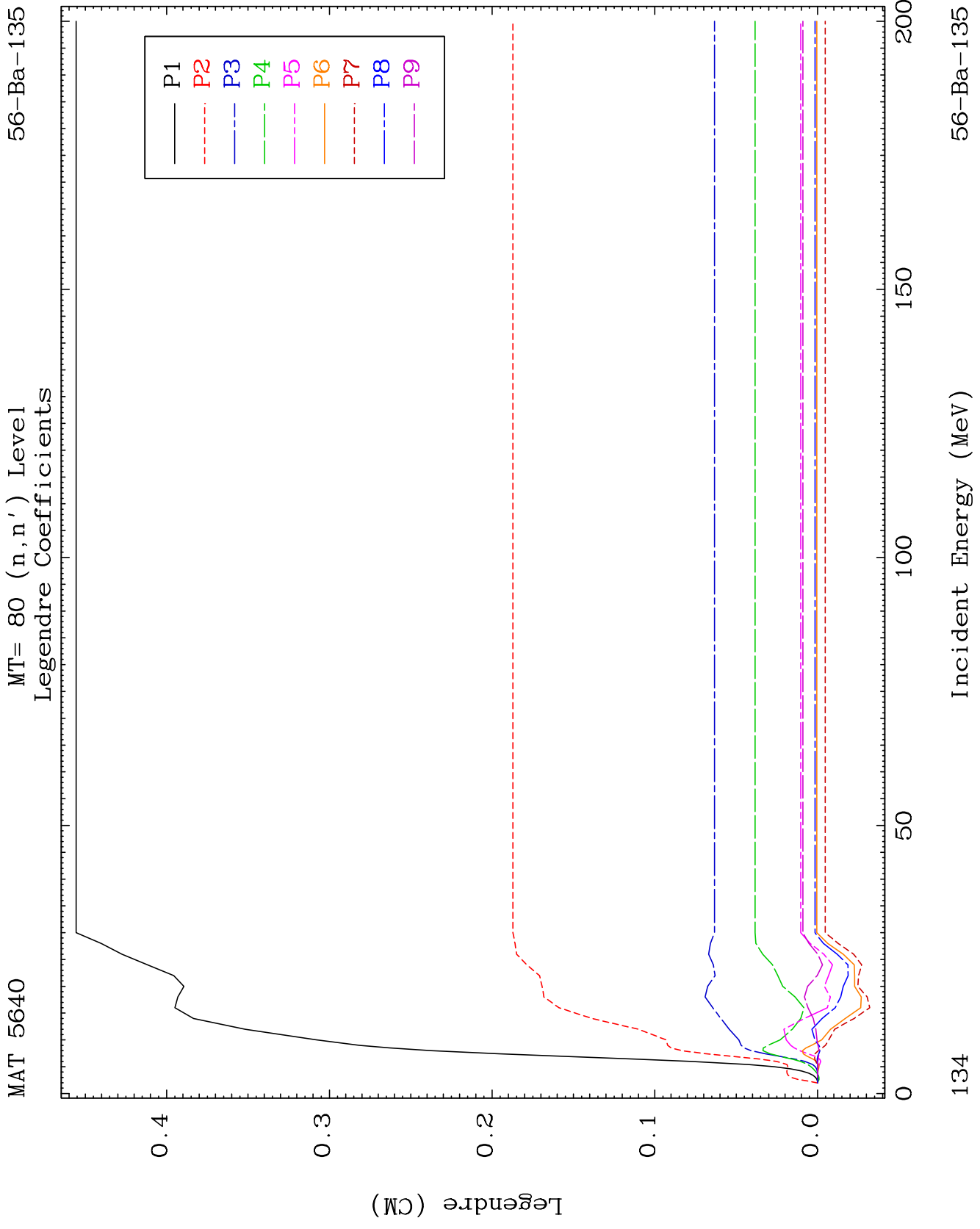


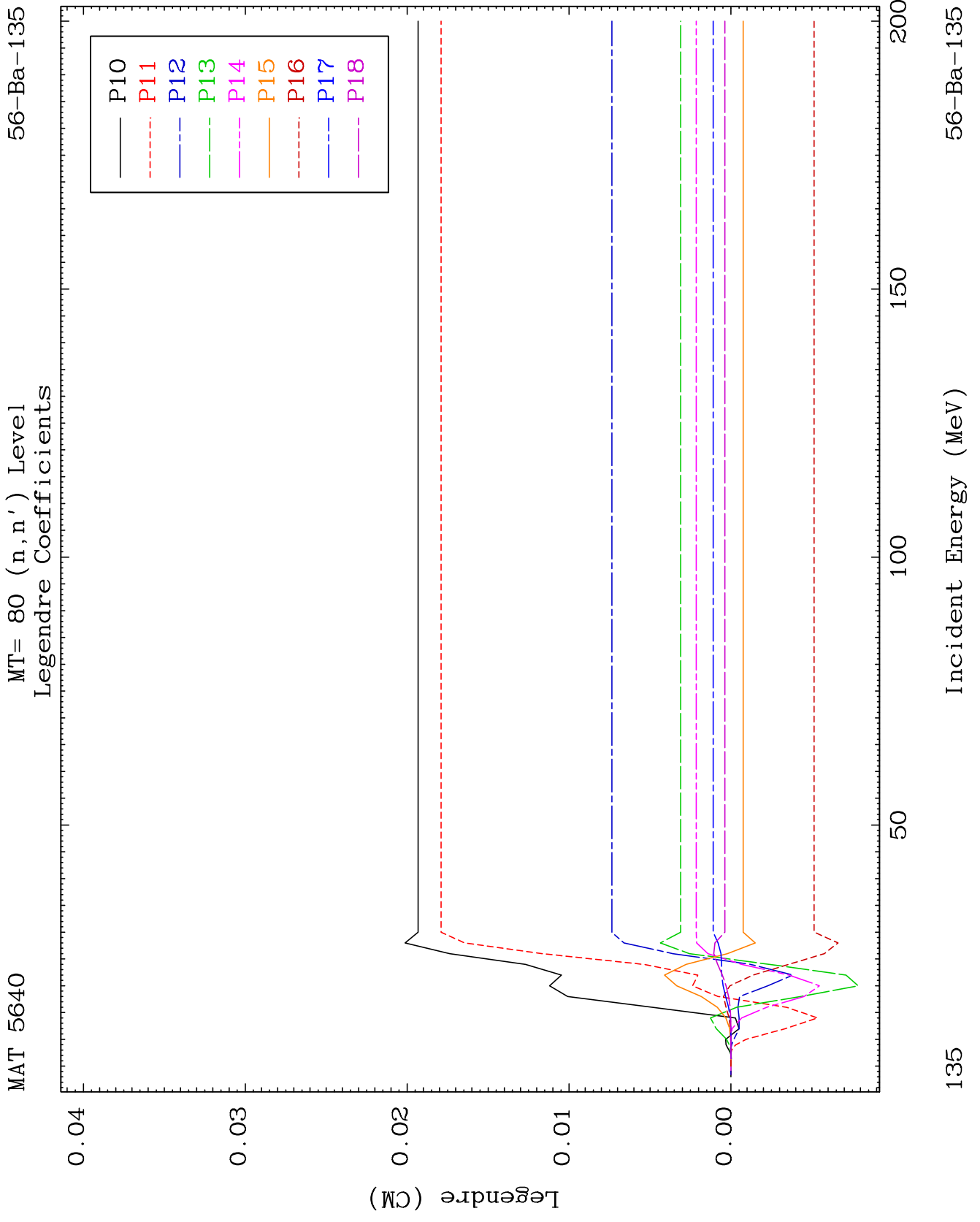
132

Incident Energy (MeV)

56-Ba-135



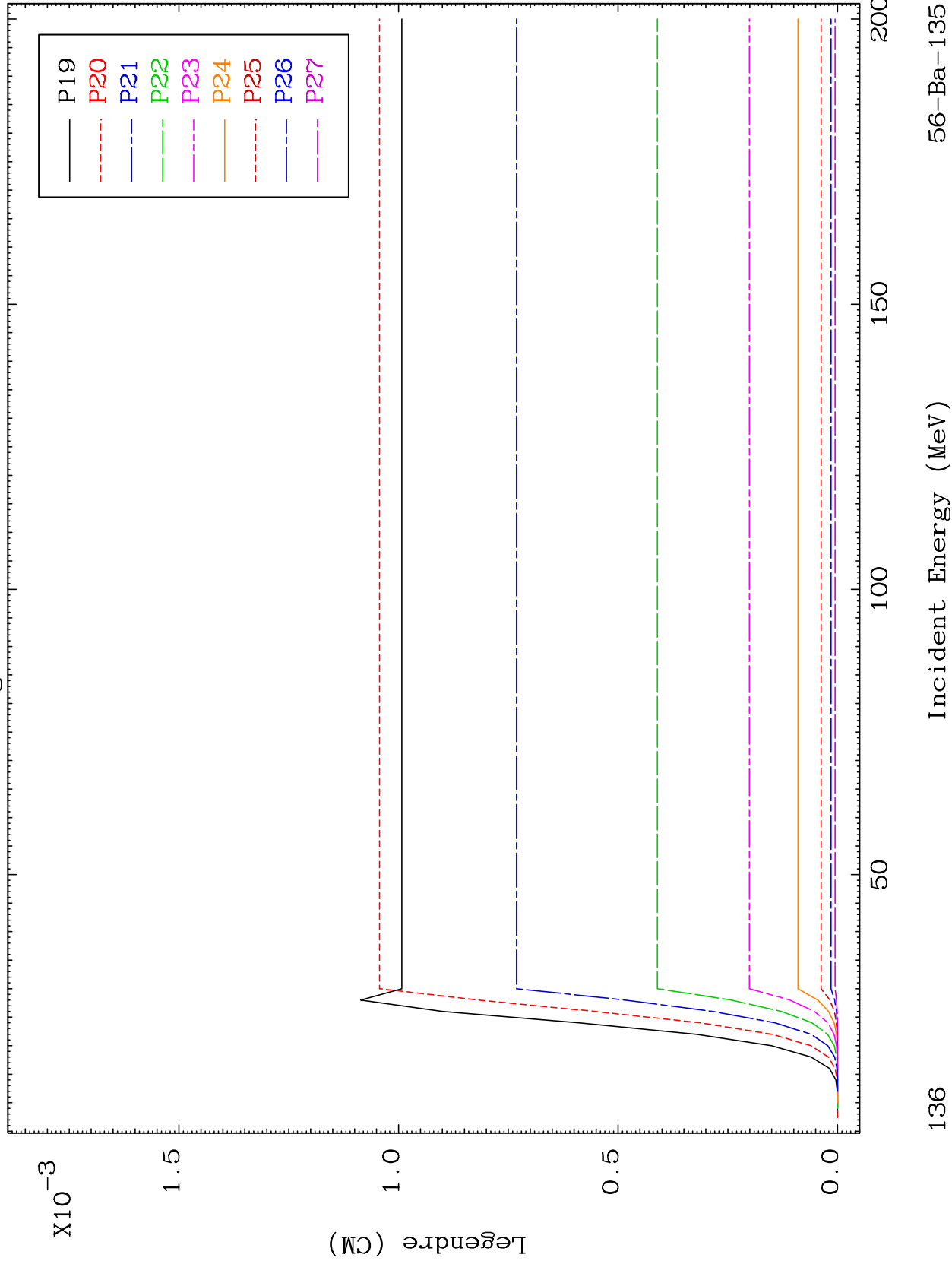




MAT 5640

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

56-Ba-135



136

Incident Energy (MeV)

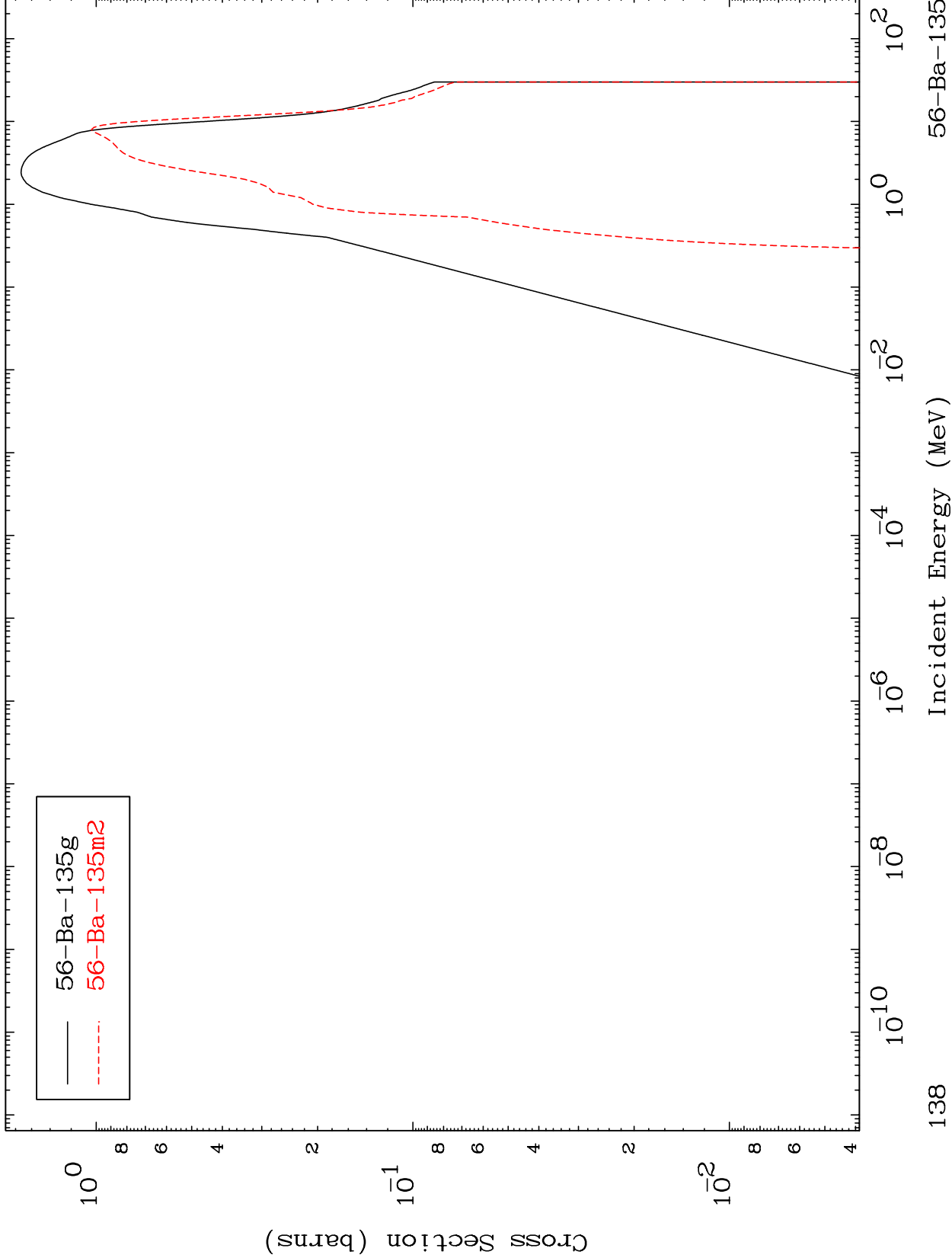
56-Ba-135

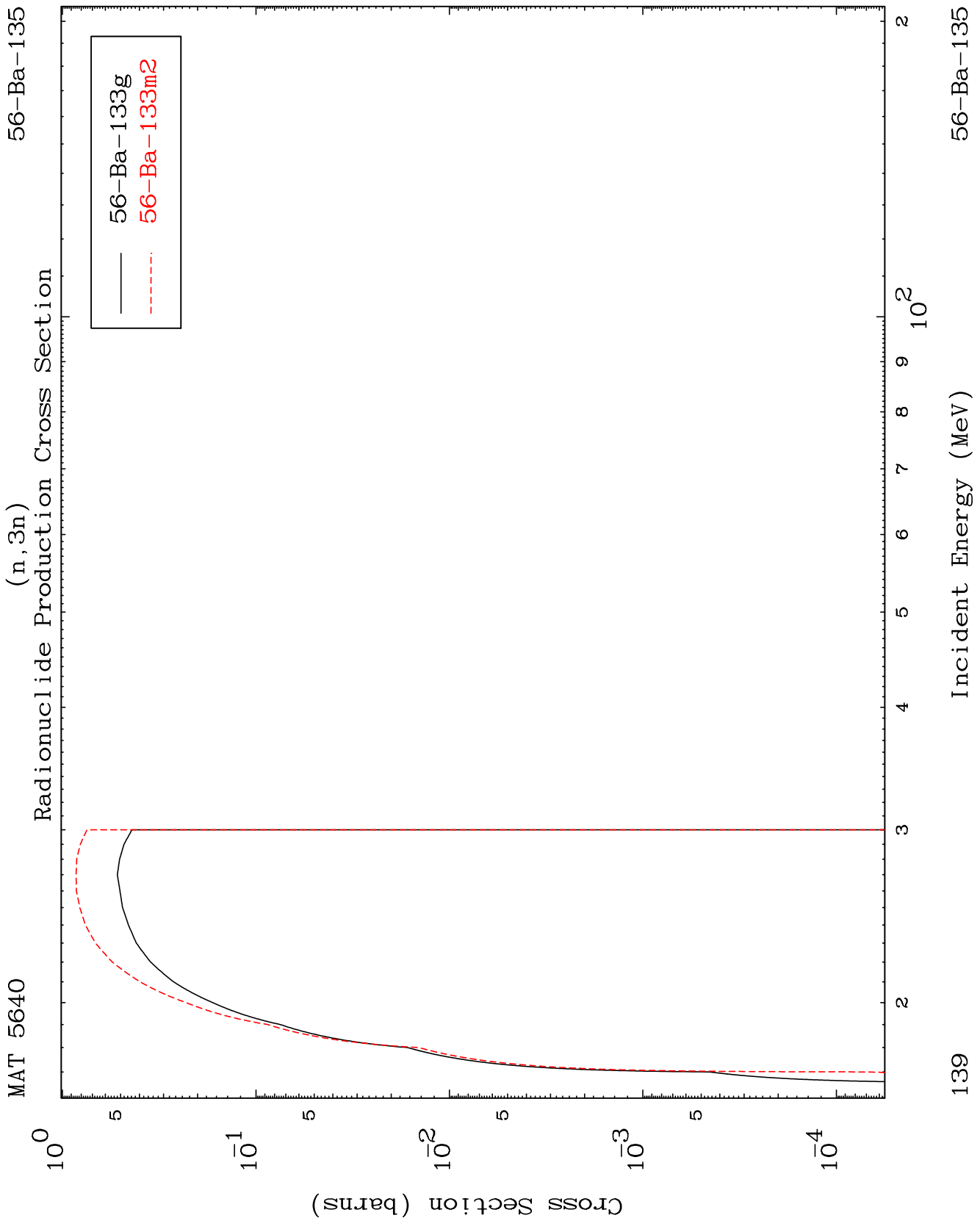


MAT 5640

Inelastic  
Radionuclide Production Cross Section

56-Ba-135



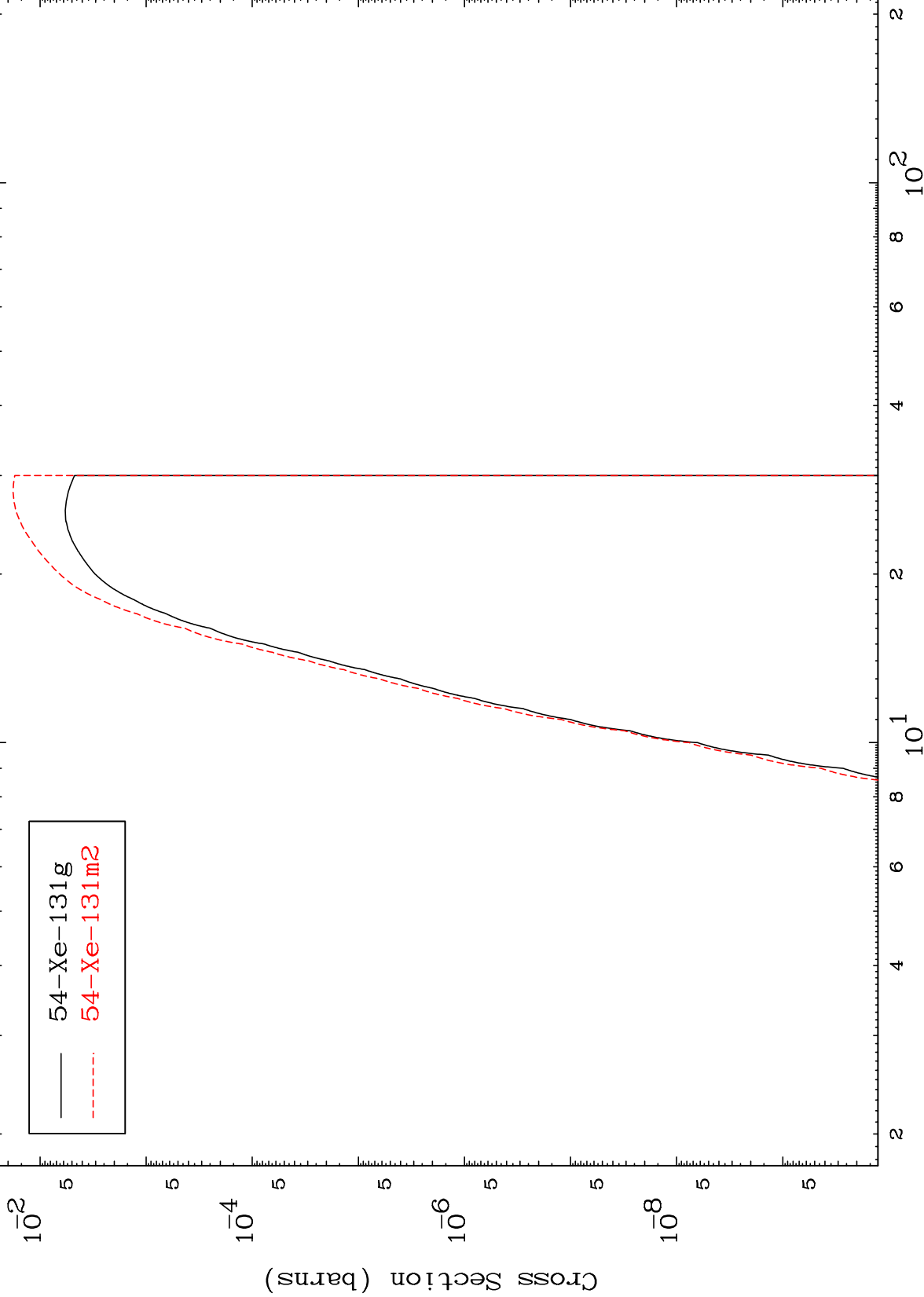


MAT 5640

56-Ba-135

(n,n')  $\alpha$

Radionuclide Production Cross Section



56-Ba-135

Incident Energy (MeV)

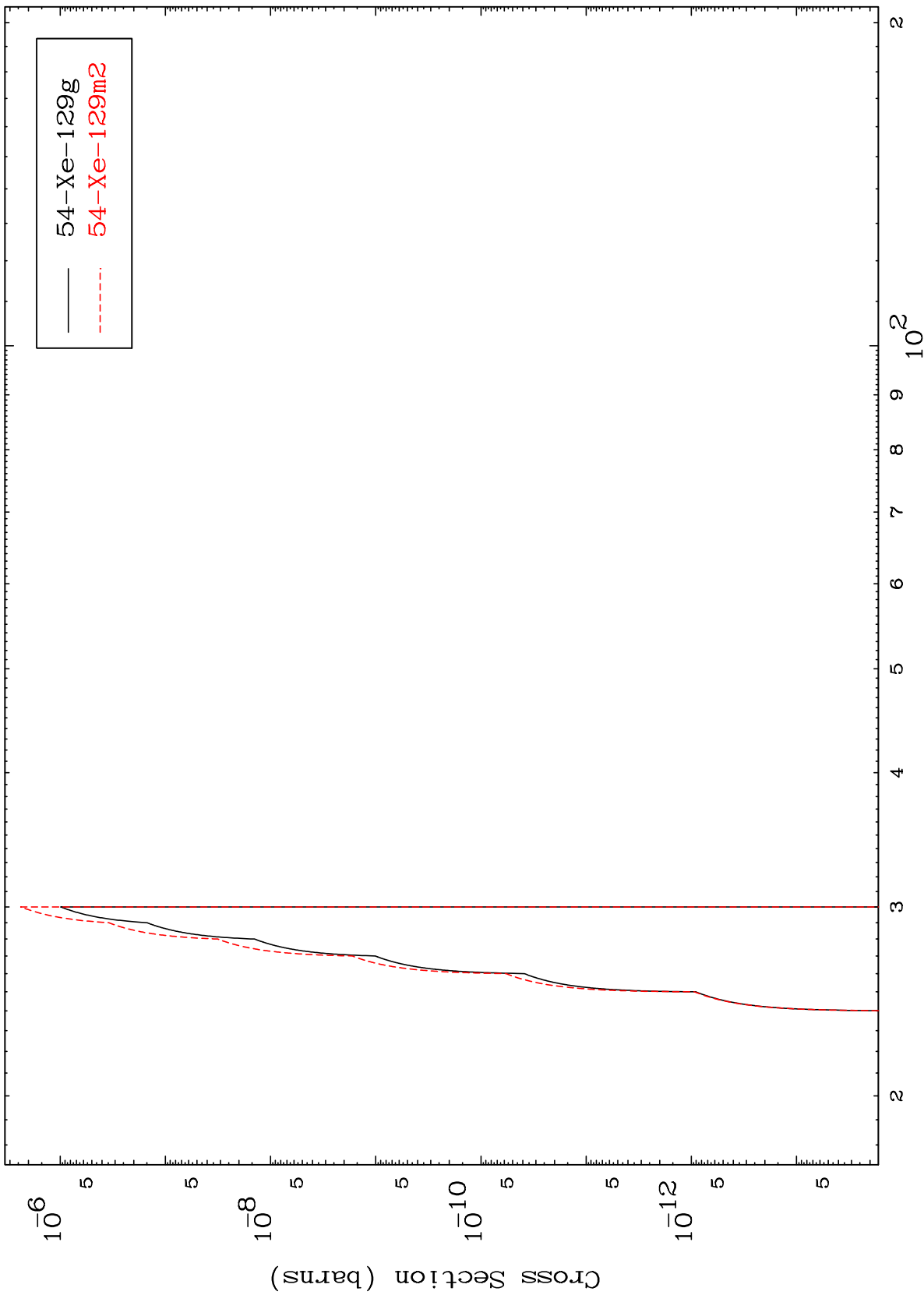
140

MAT 5640

(n,3n)  $\alpha$

56-Ba-135

Radionuclide Production Cross Section



141

Incident Energy (MeV)

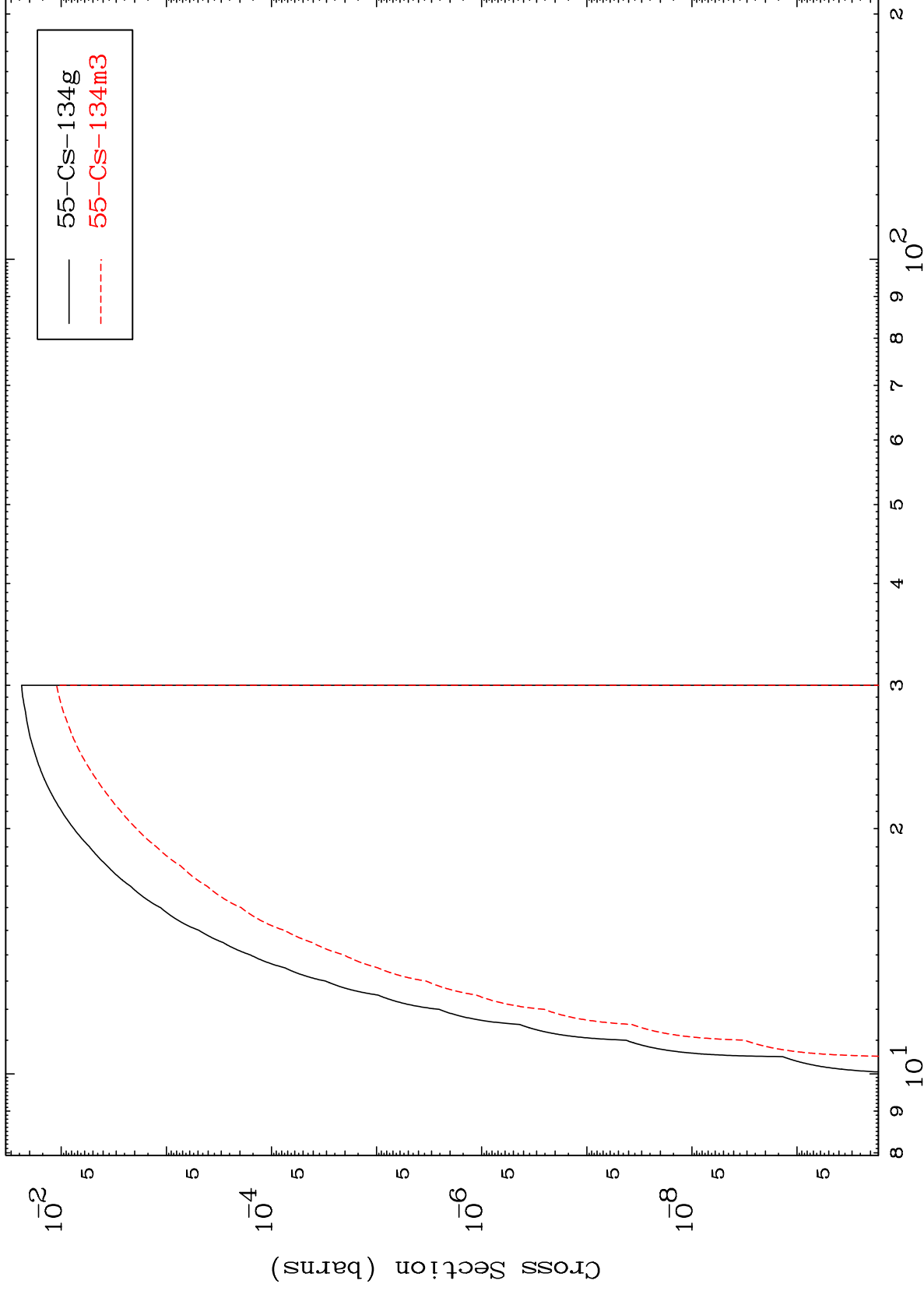
56-Ba-135

MAT 5640

(n,n') p

56-Ba-135

Radionuclide Production Cross Section



142

Incident Energy (MeV)

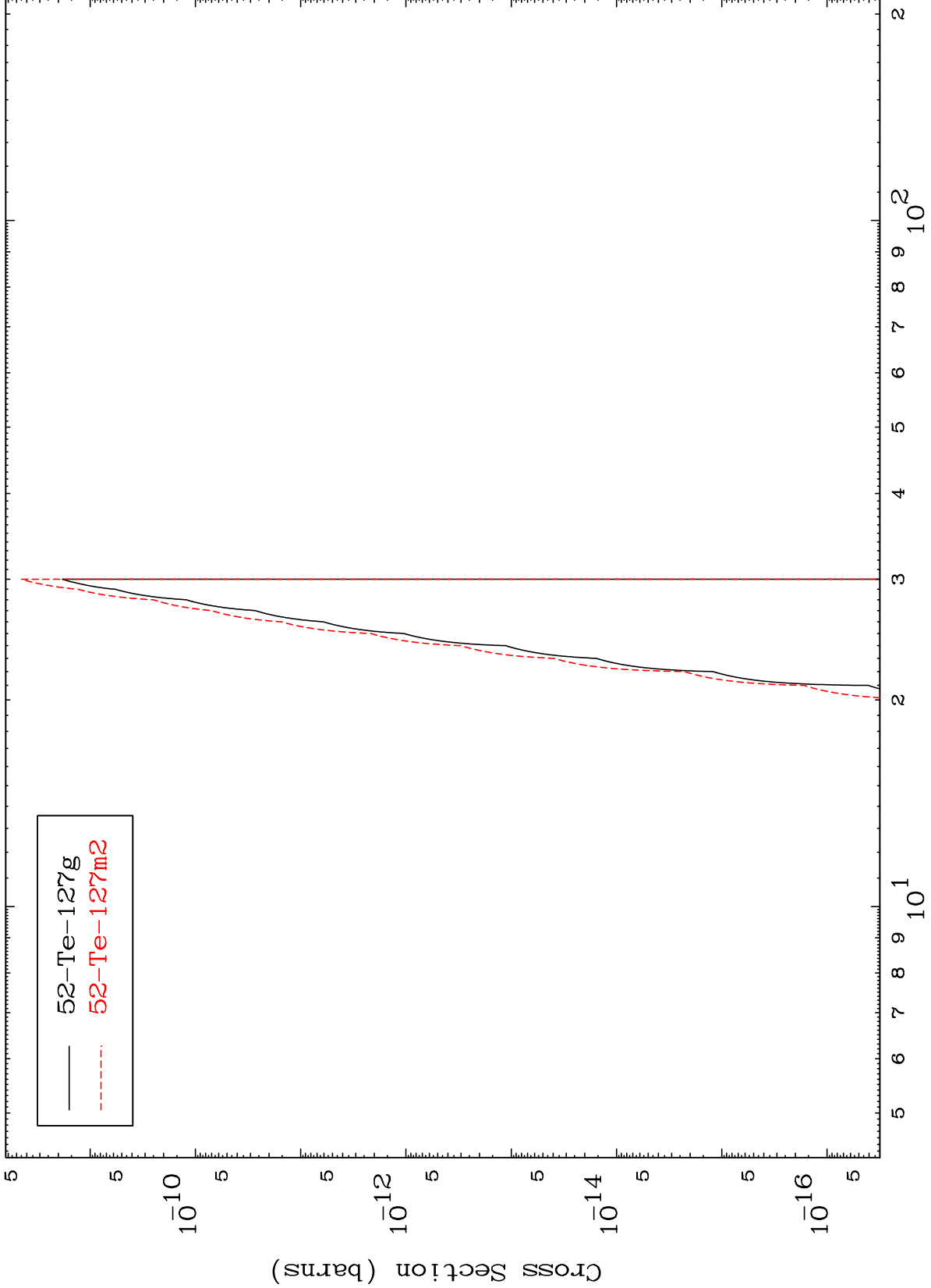
56-Ba-135

MAT 5640

(n,n') 2α

56-Ba-135

Radionuclide Production Cross Section

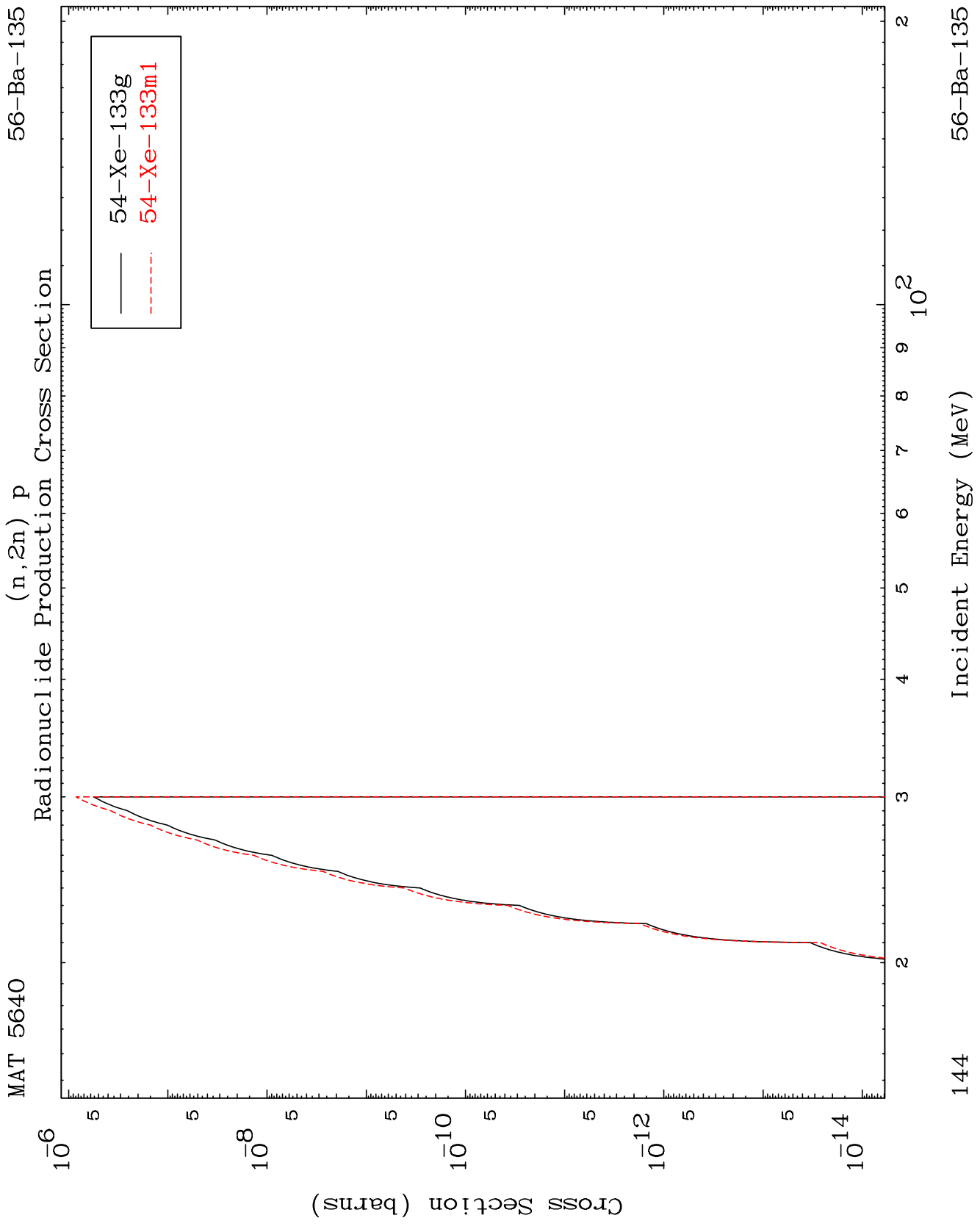


— 52-Te-127g  
- - - 52-Te-127m2

143

Incident Energy (MeV)

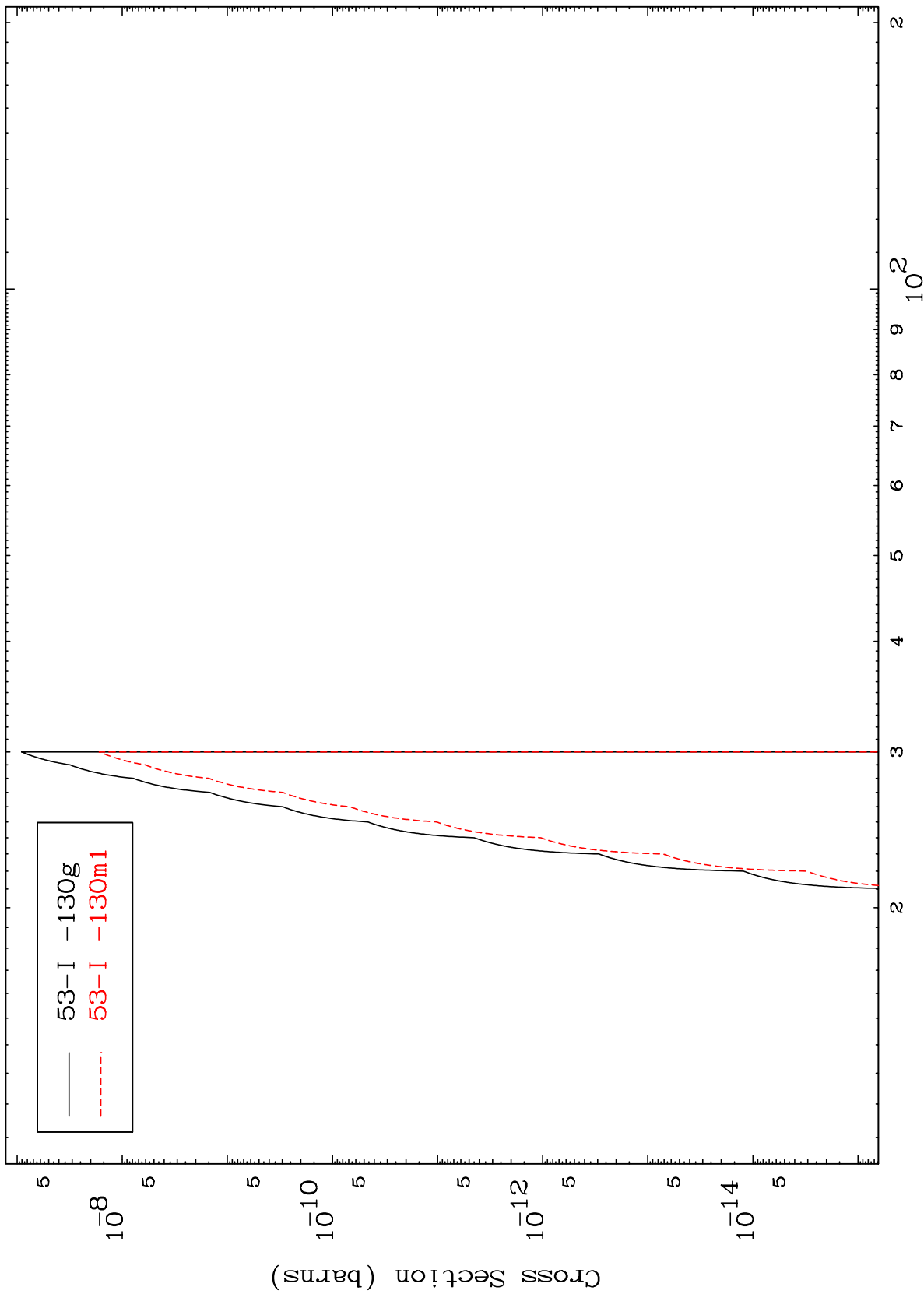
56-Ba-135



MAT 5640

56-Ba-135

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



145

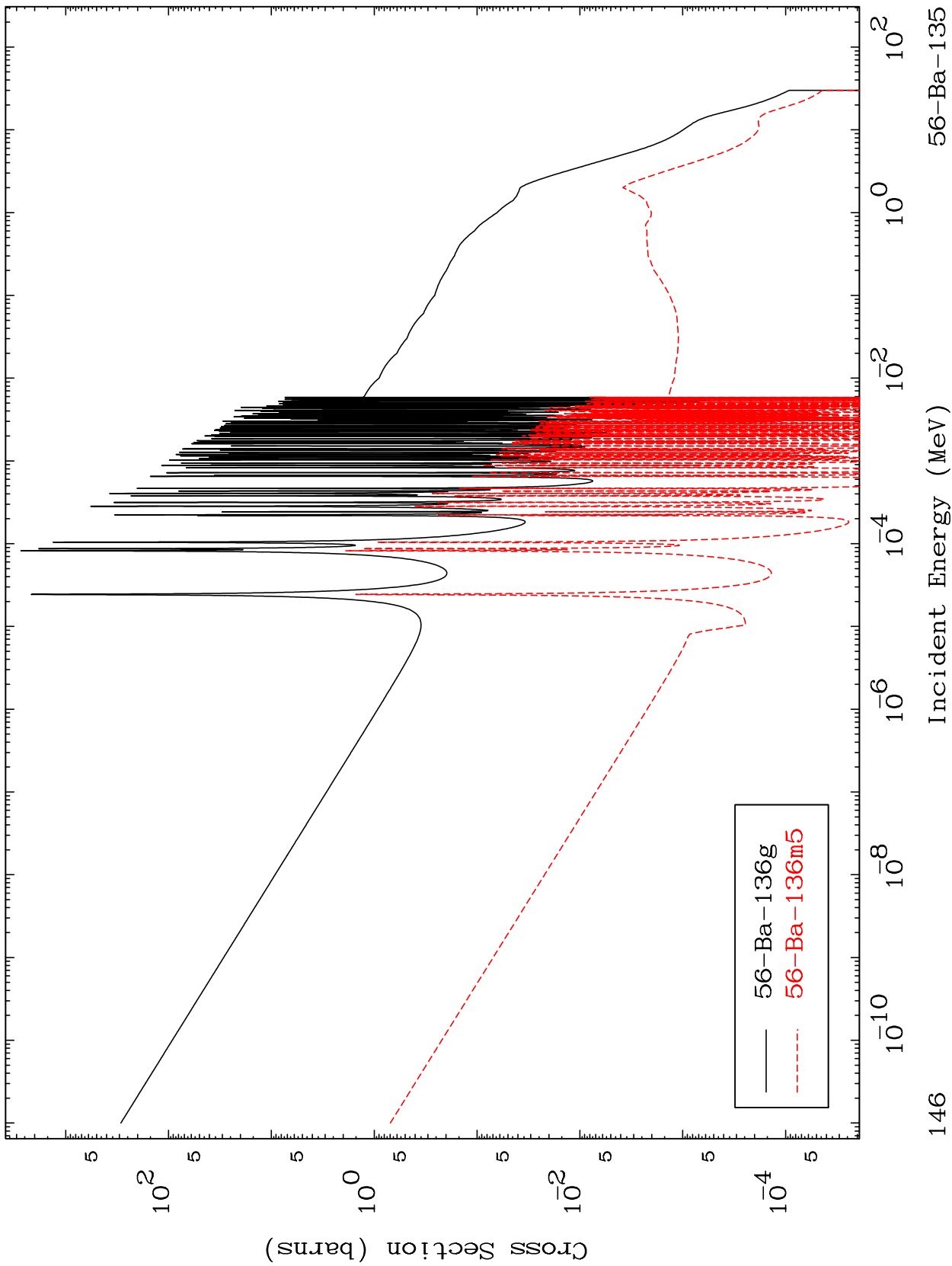
56-Ba-135

Incident Energy (MeV)

MAT 5640

56-Ba-135

(n,  $\gamma$ )  
Radionuclide Production Cross Section



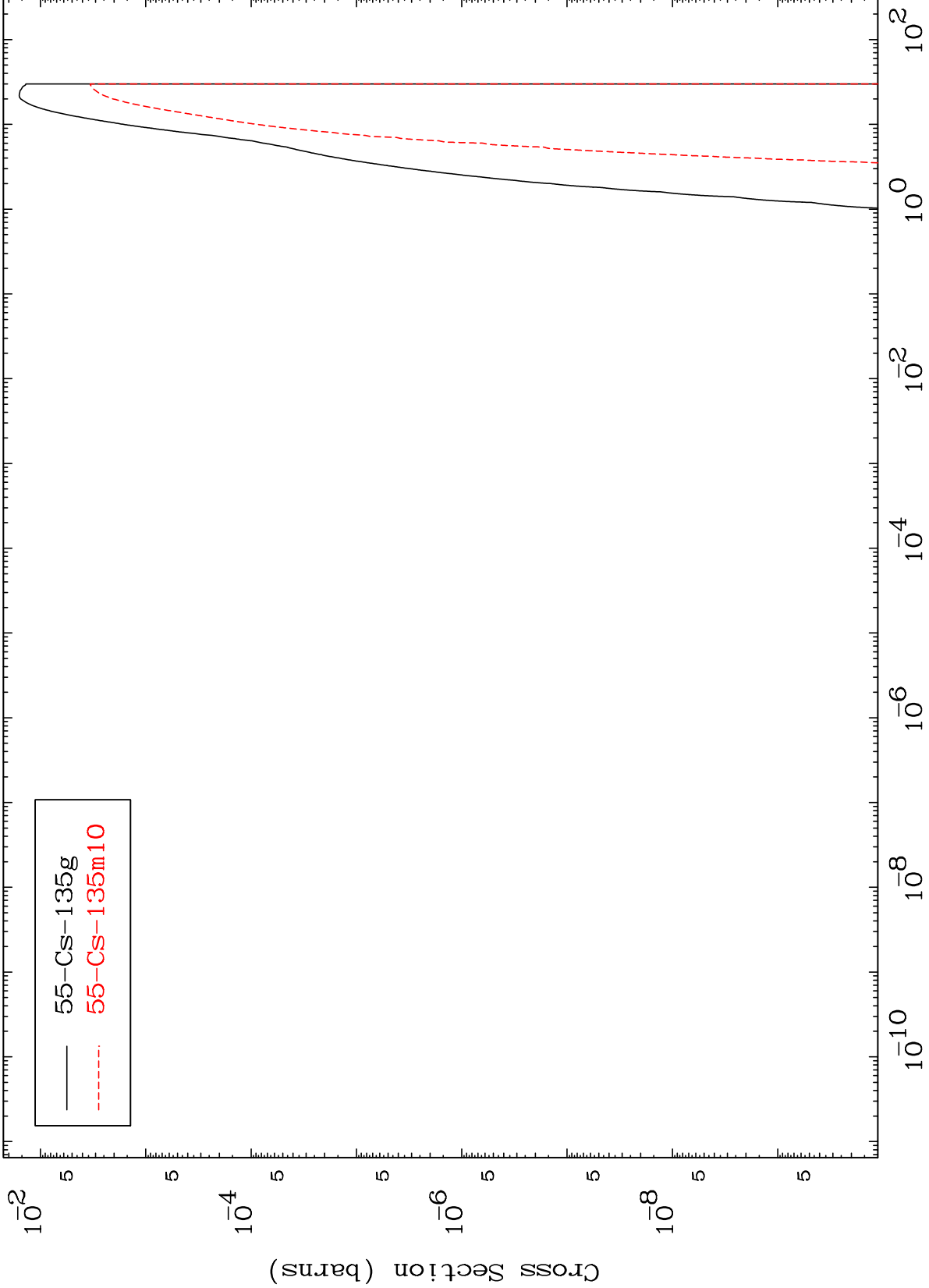
146

MAT 5640

(n,p)

56-Ba-135

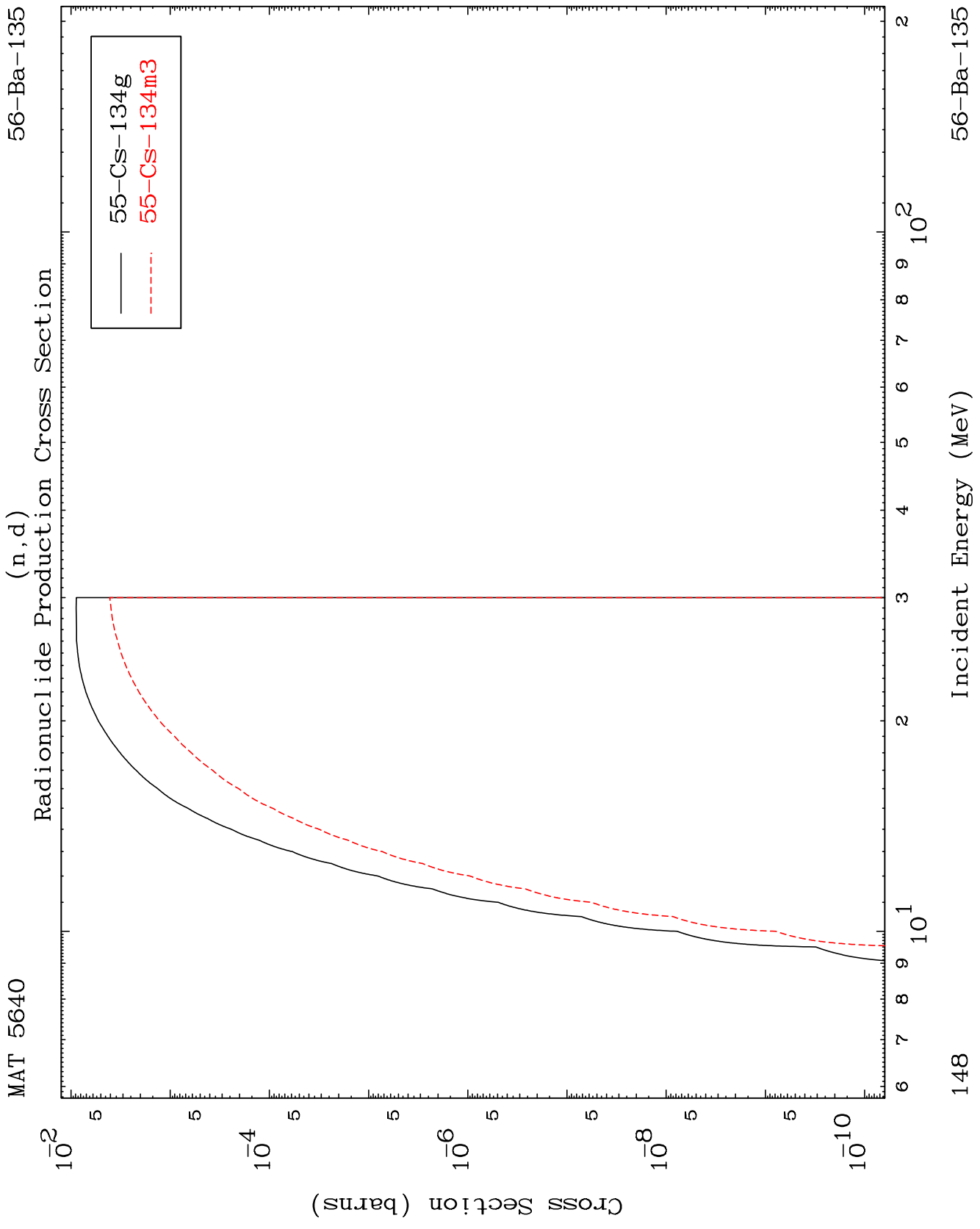
Radionuclide Production Cross Section



147

Incident Energy (MeV)

56-Ba-135

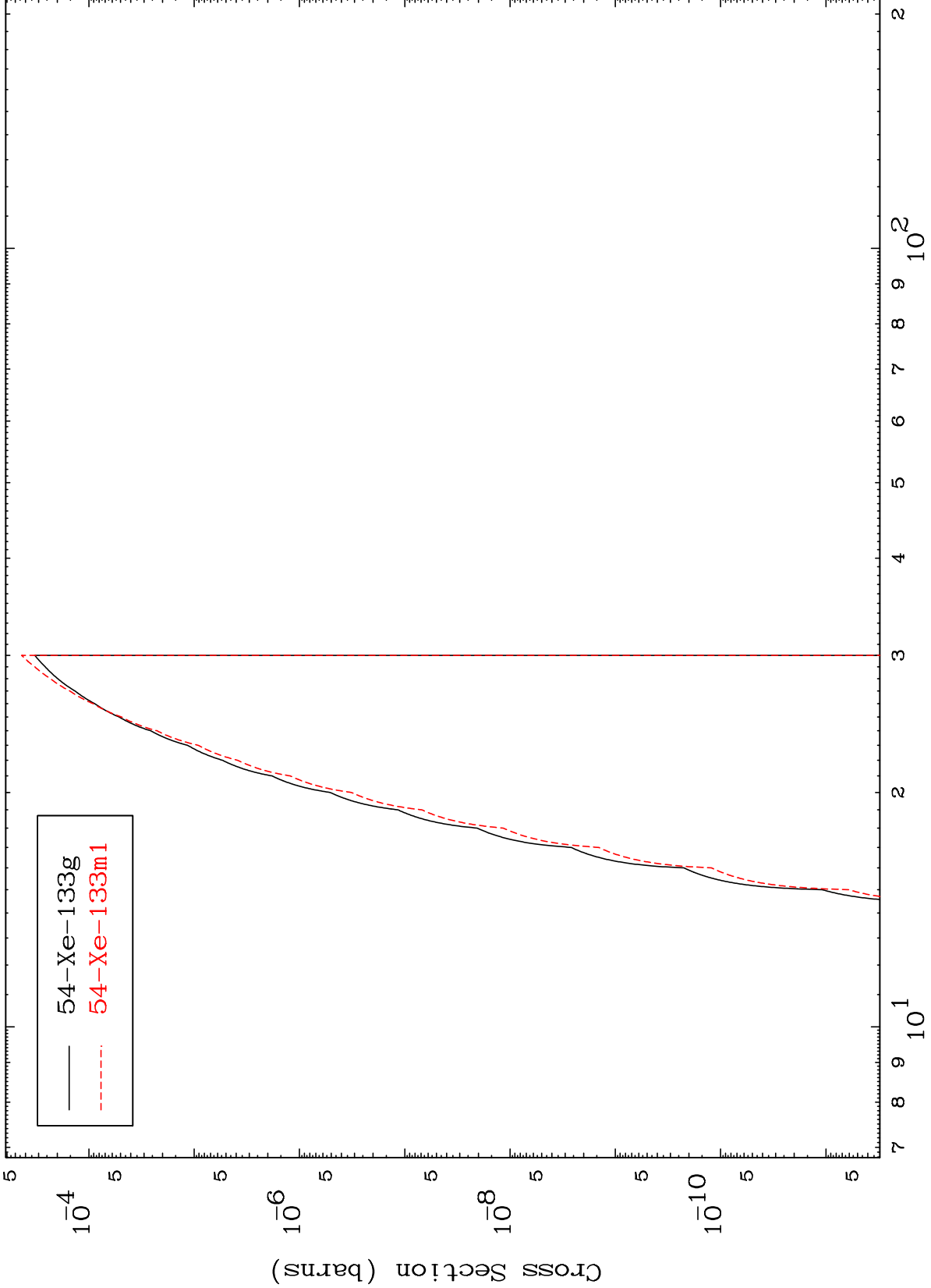


MAT 5640

(n,He-3)

56-Ba-135

Radionuclide Production Cross Section



149

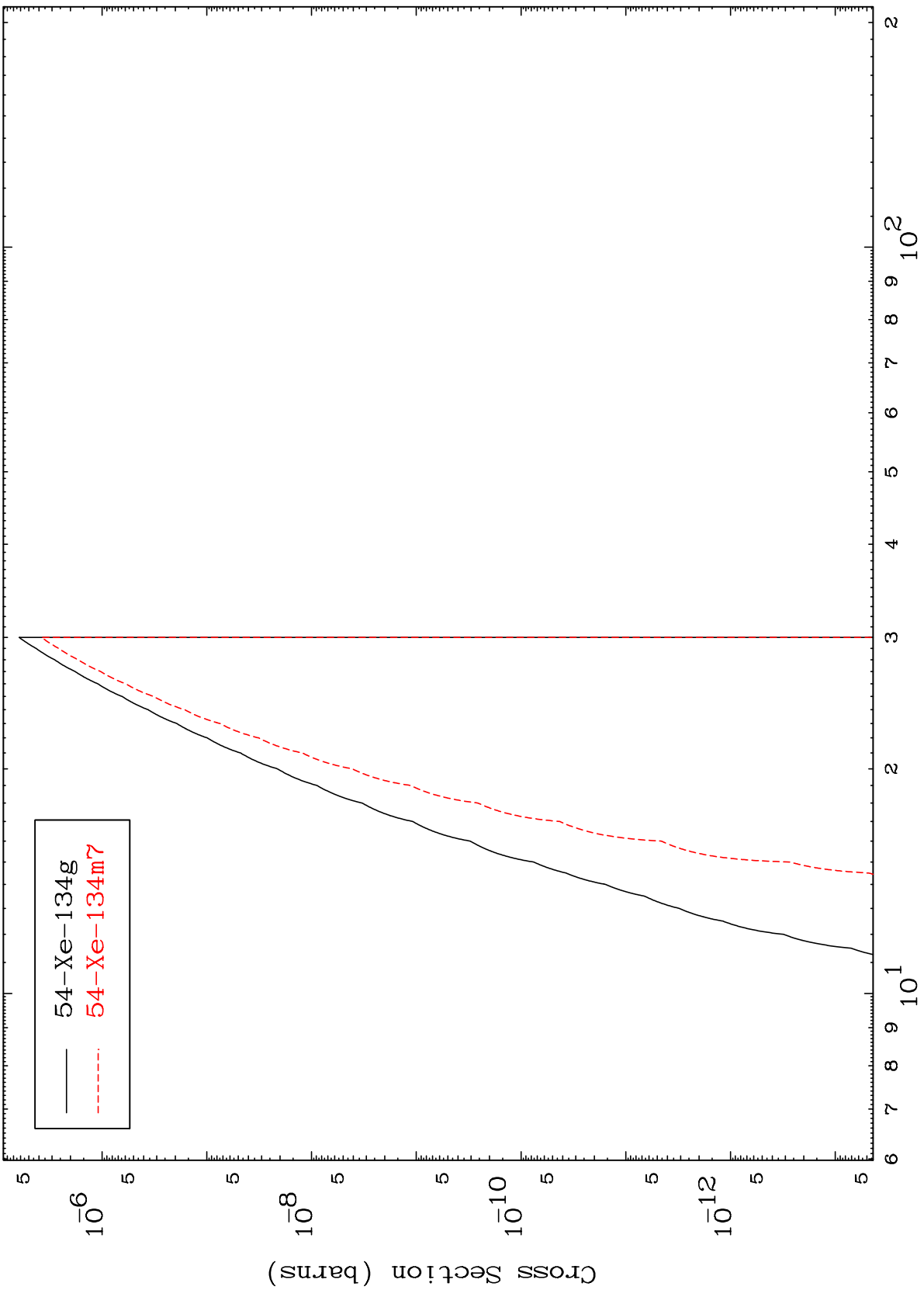
Incident Energy (MeV)

56-Ba-135

MAT 5640

56-Ba-135

(n,2p)  
Radionuclide Production Cross Section



150

Incident Energy (MeV)

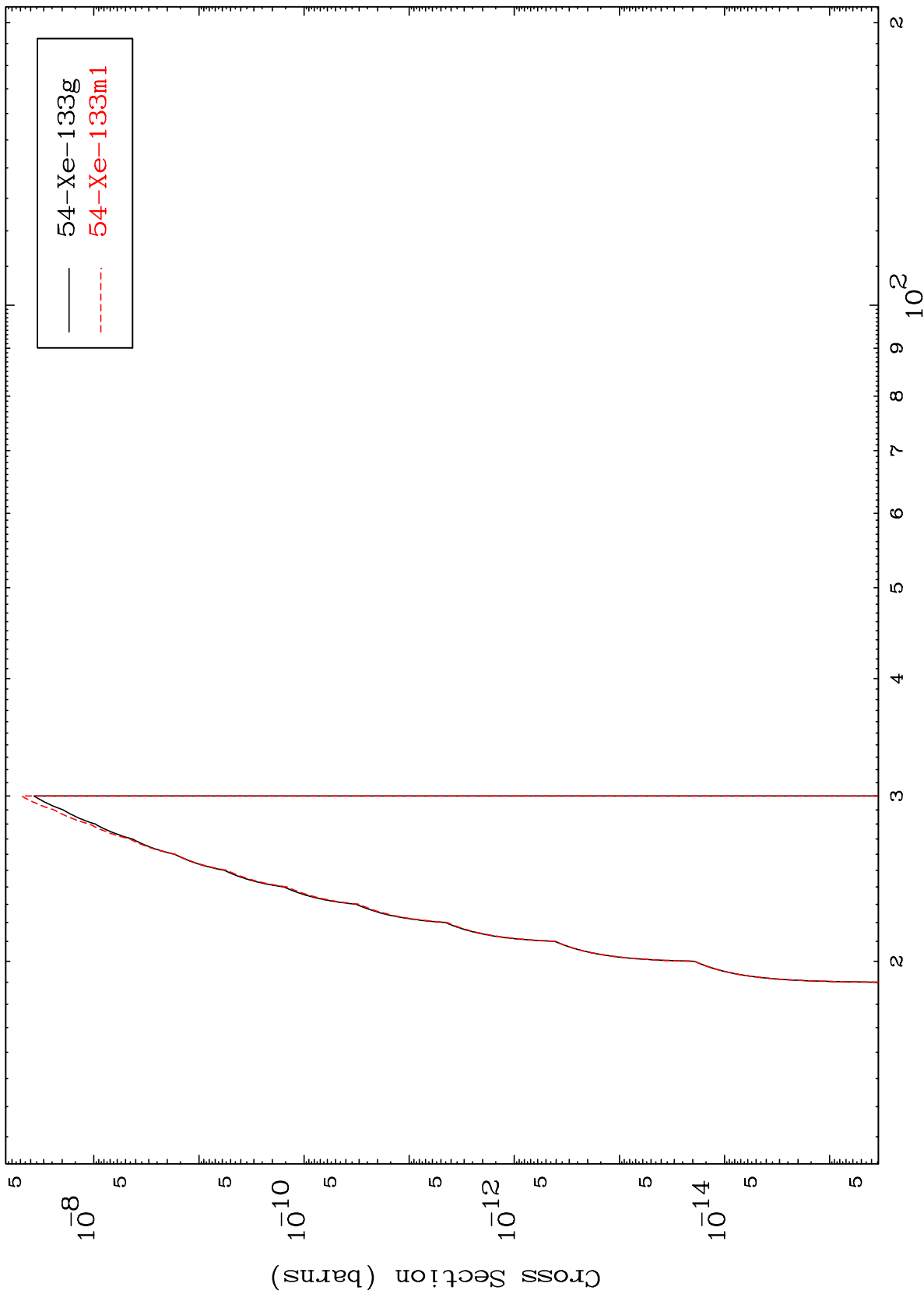
56-Ba-135

MAT 5640

(n,p) d

56-Ba-135

Radionuclide Production Cross Section



151

Incident Energy (MeV)

56-Ba-135

