

Program EVALPLOT  
(Version 2018-1)

by

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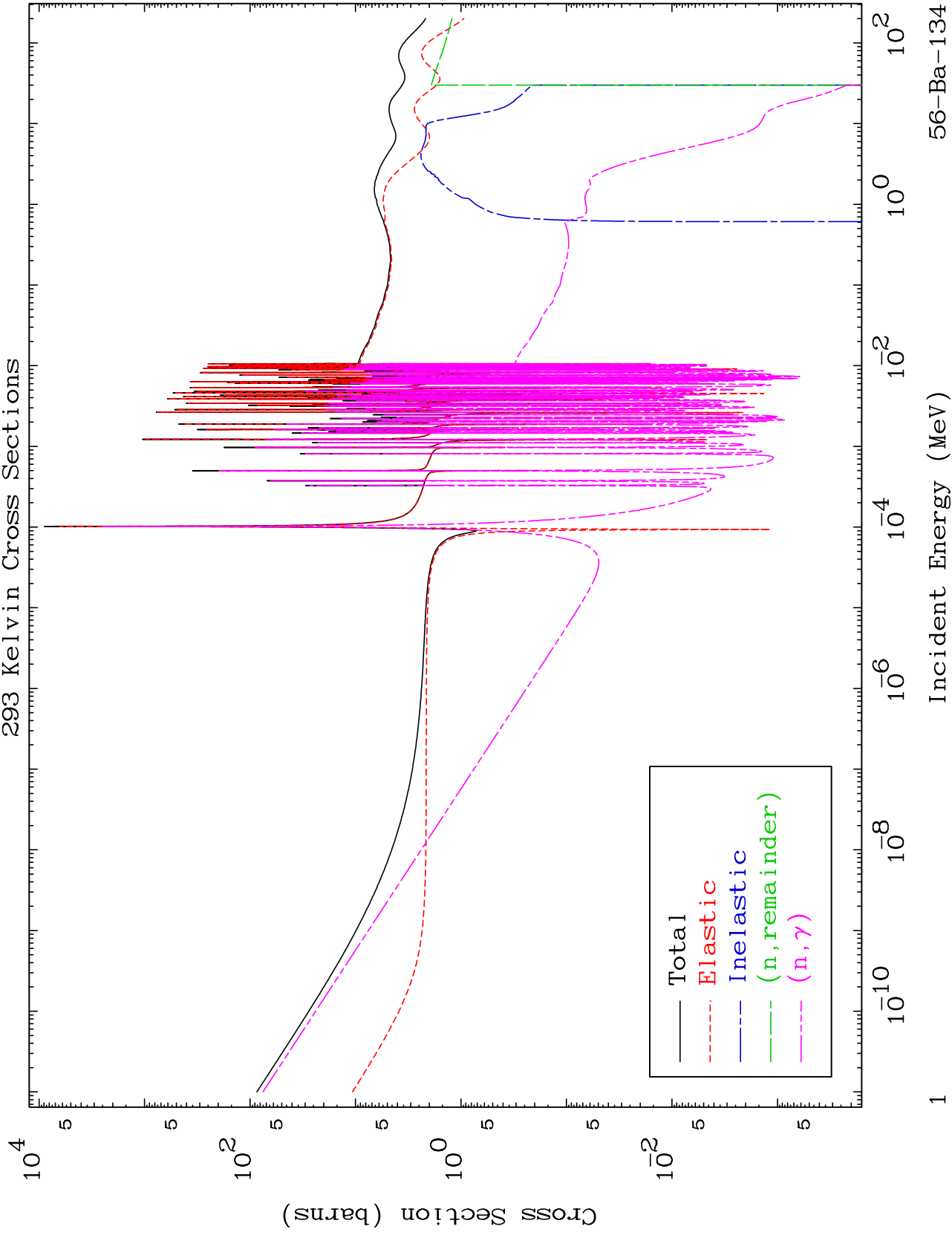
Press Mouse Button to Start

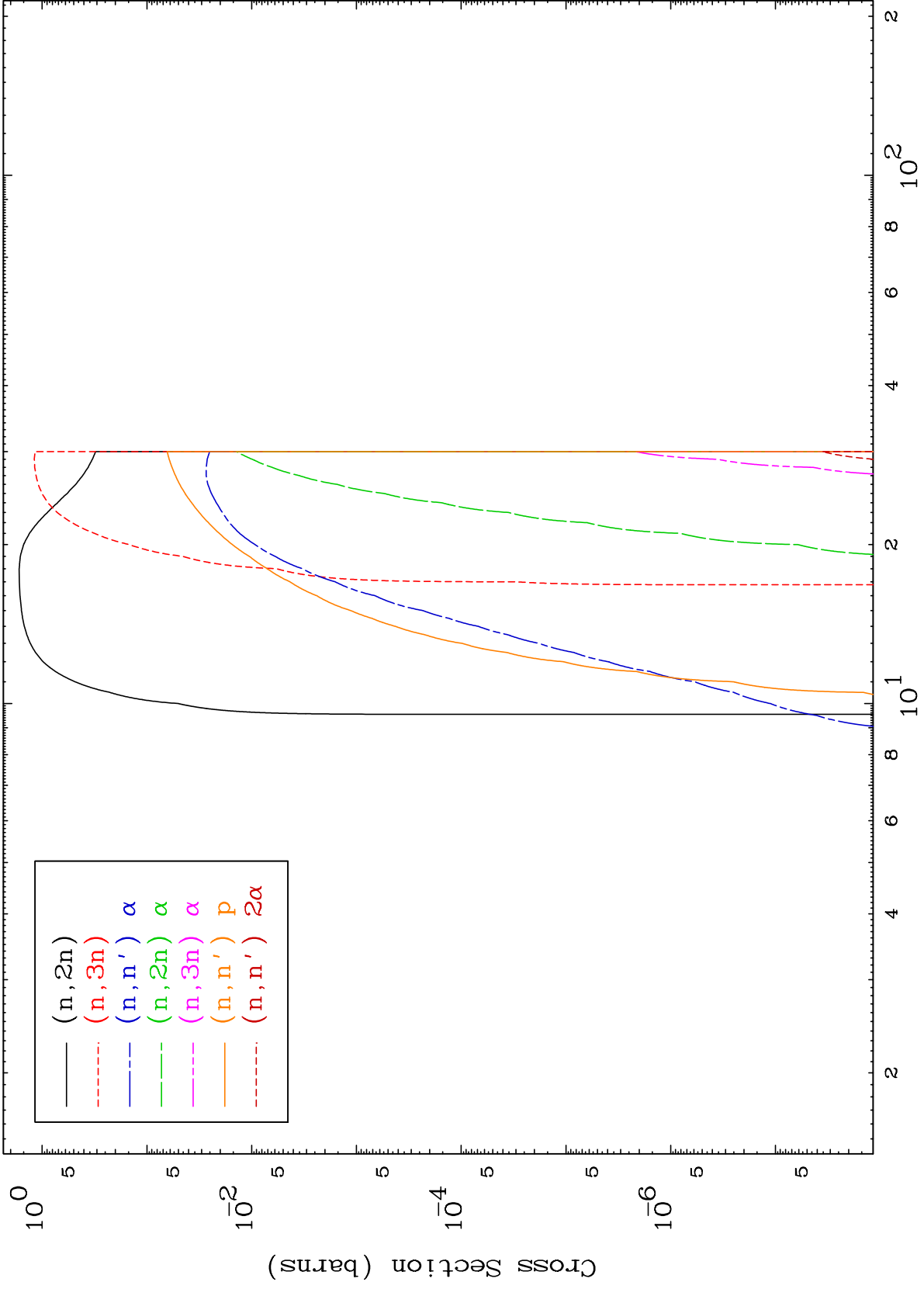
MAT 5637

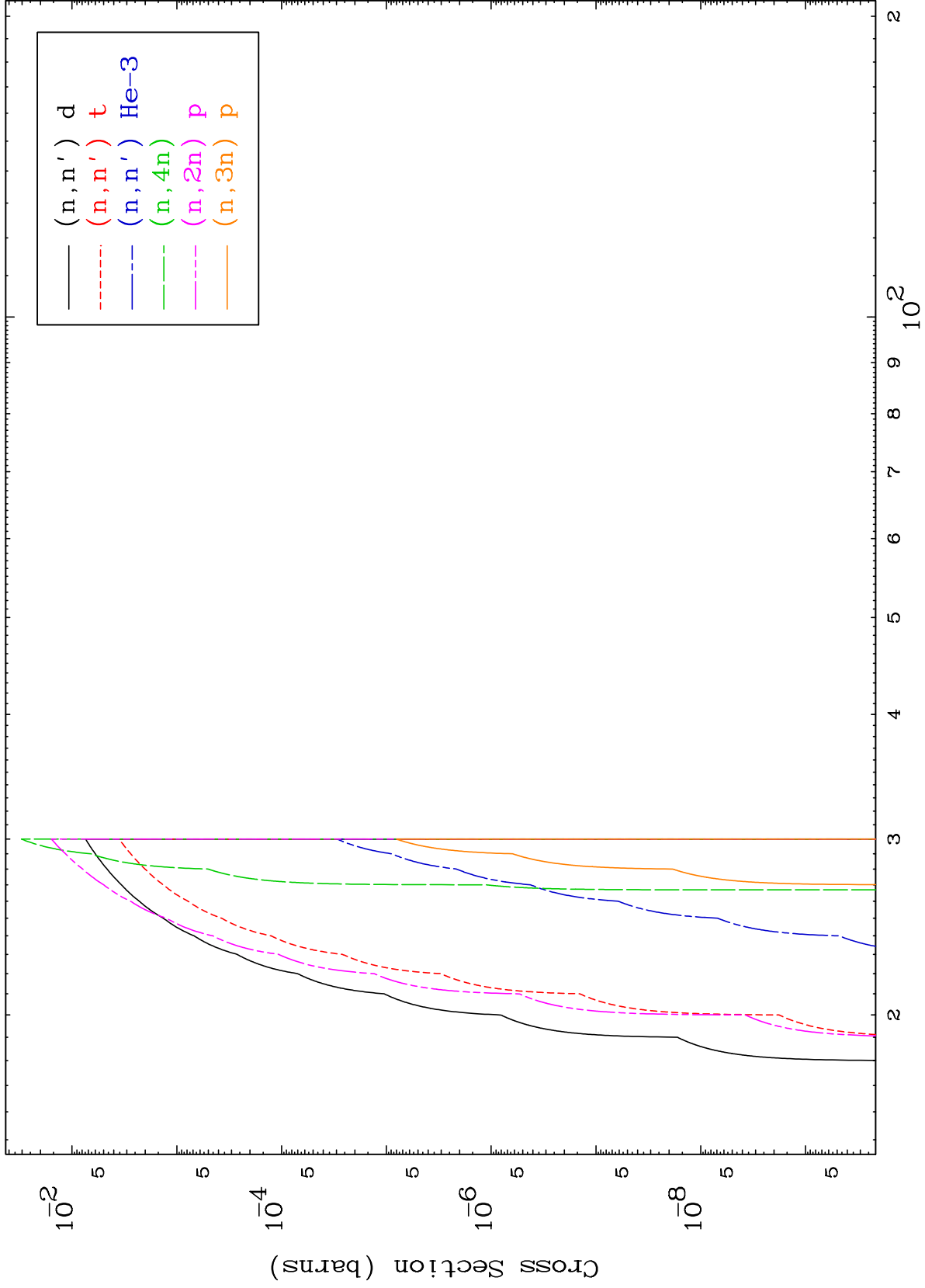
Major

293 Kelvin Cross Sections

56-Ba-134



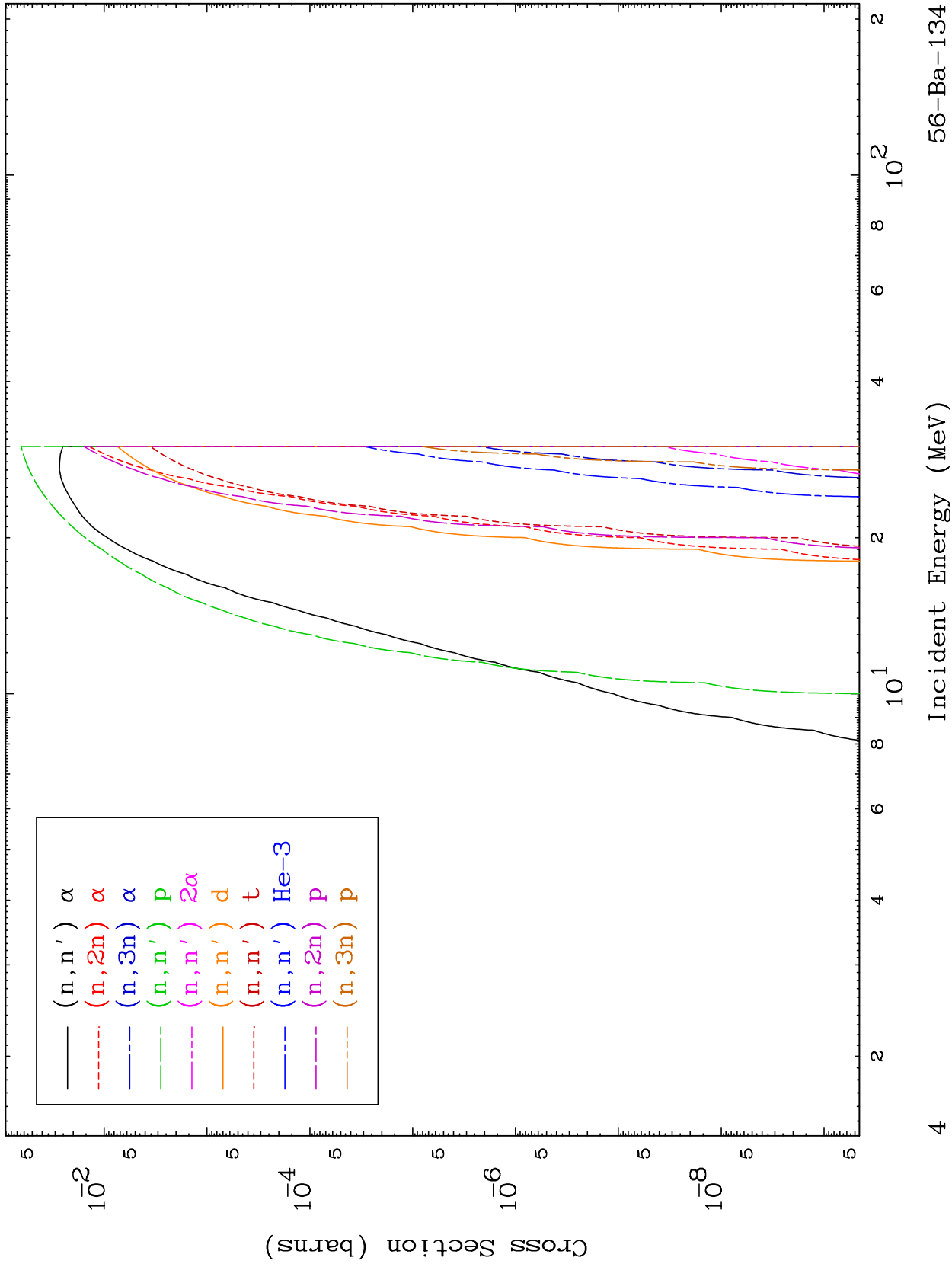




MAT 5637

Charged Particle  
293 Kelvin Cross Sections

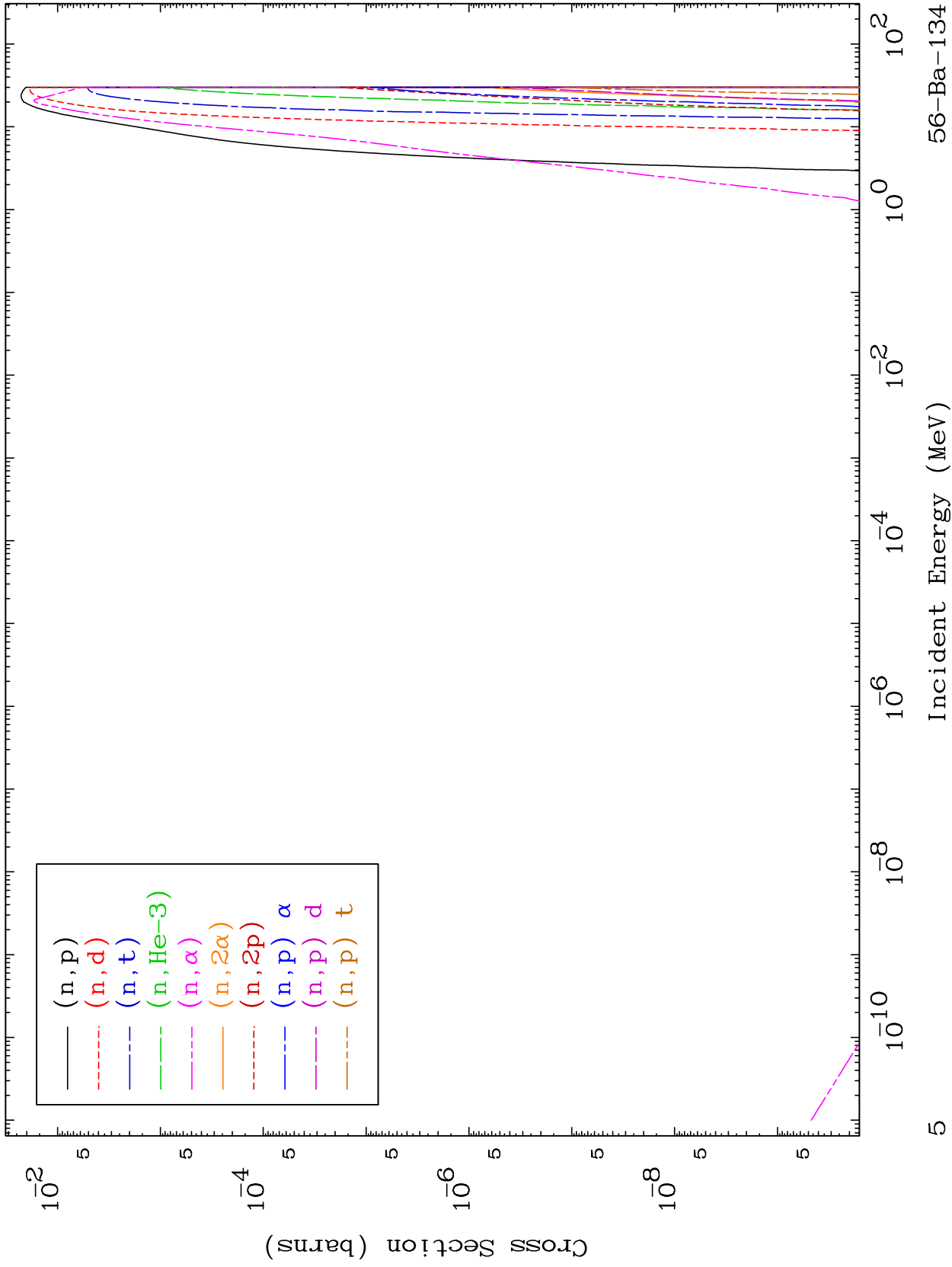
56-Ba-134



MAT 5637

Charged Particle  
293 Kelvin Cross Sections

56-Ba-134



56-Ba-134

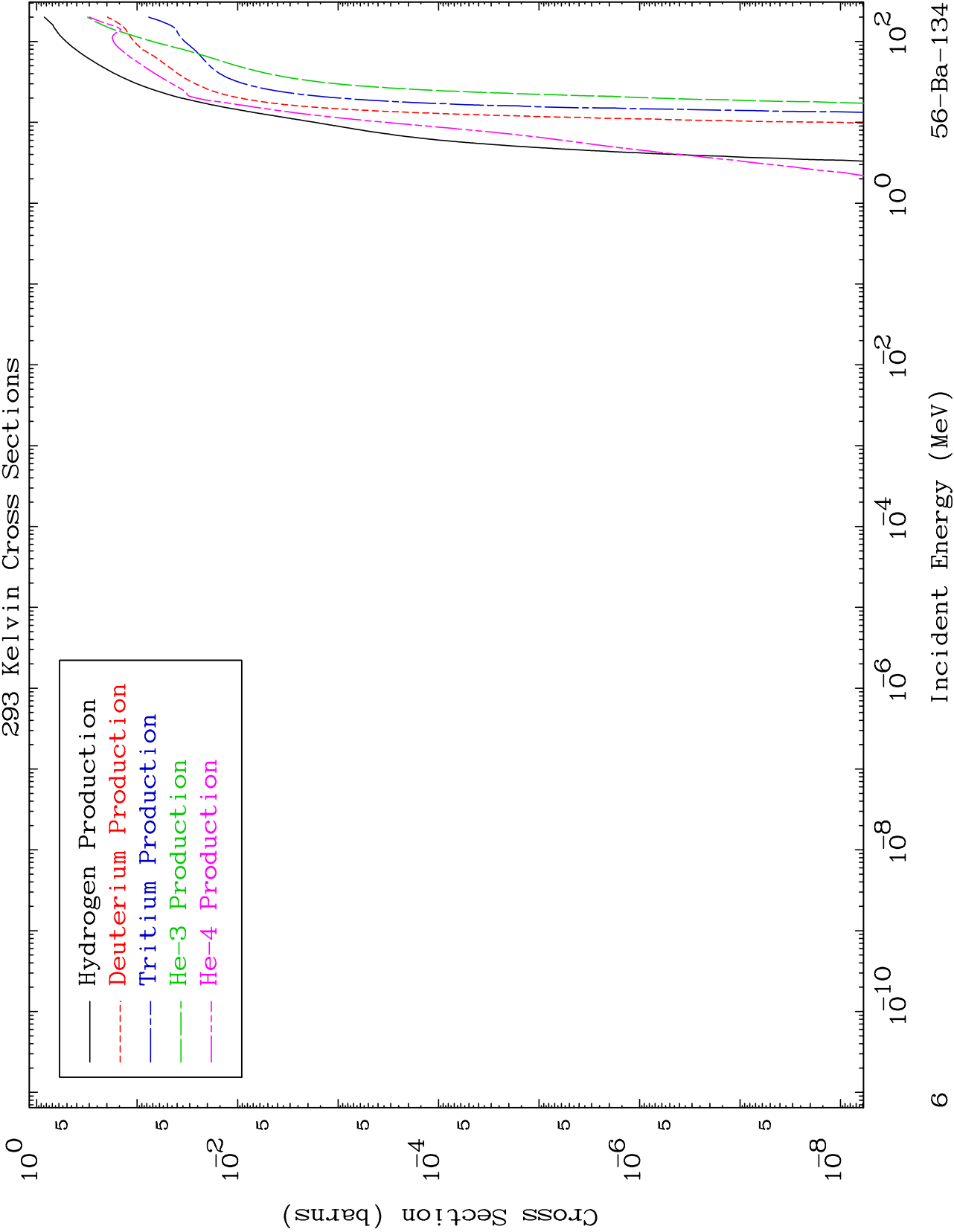
Incident Energy (MeV)

5

MAT 5637

Particle Production  
293 Kelvin Cross Sections

56-Ba-134

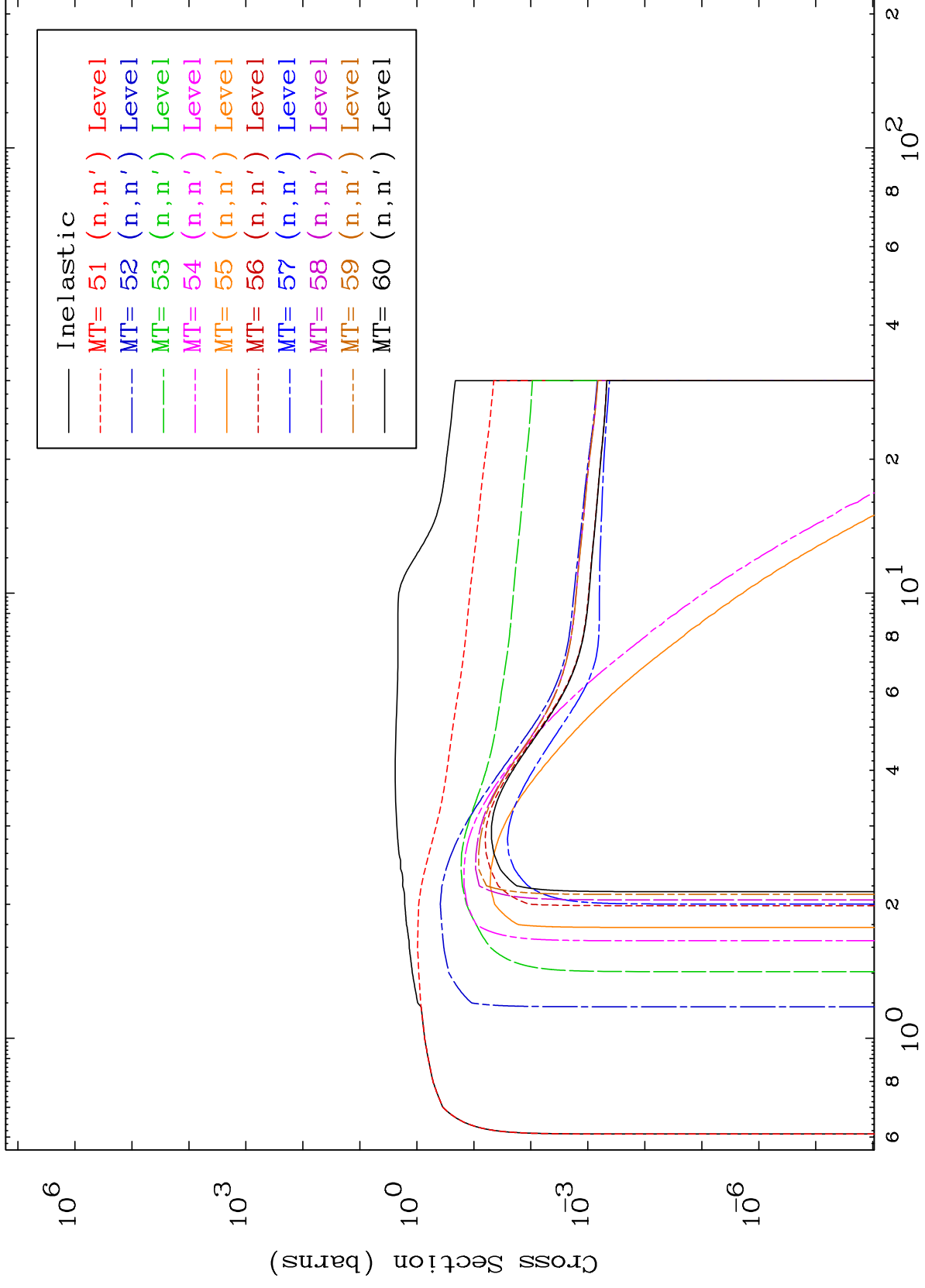


MAT 5637

(n,n') Level

56-Ba-134

293 Kelvin Cross Sections



7

Incident Energy (MeV)

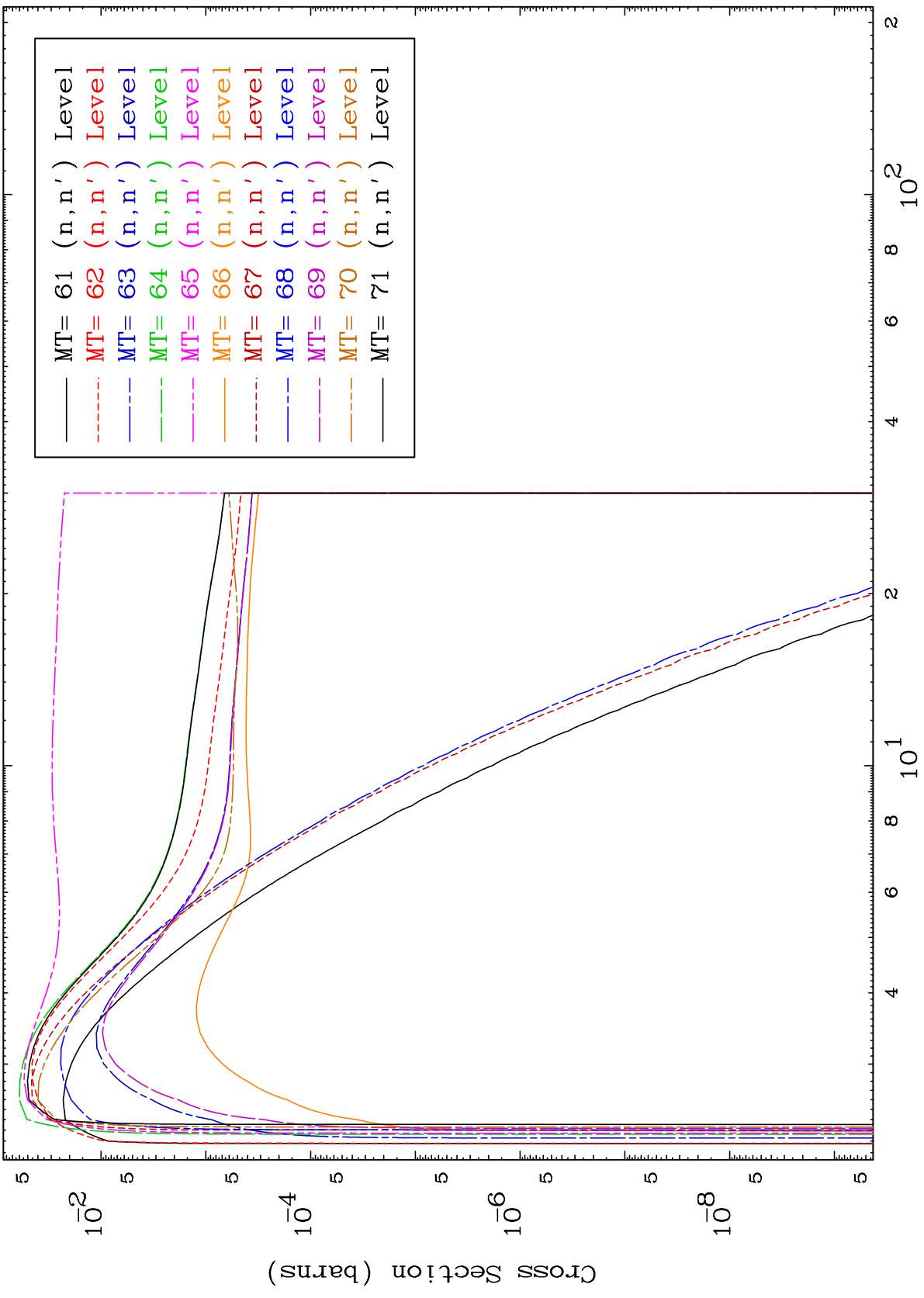
56-Ba-134

MAT 5637

(n,n') Level

56-Ba-134

293 Kelvin Cross Sections



8

Incident Energy (MeV)

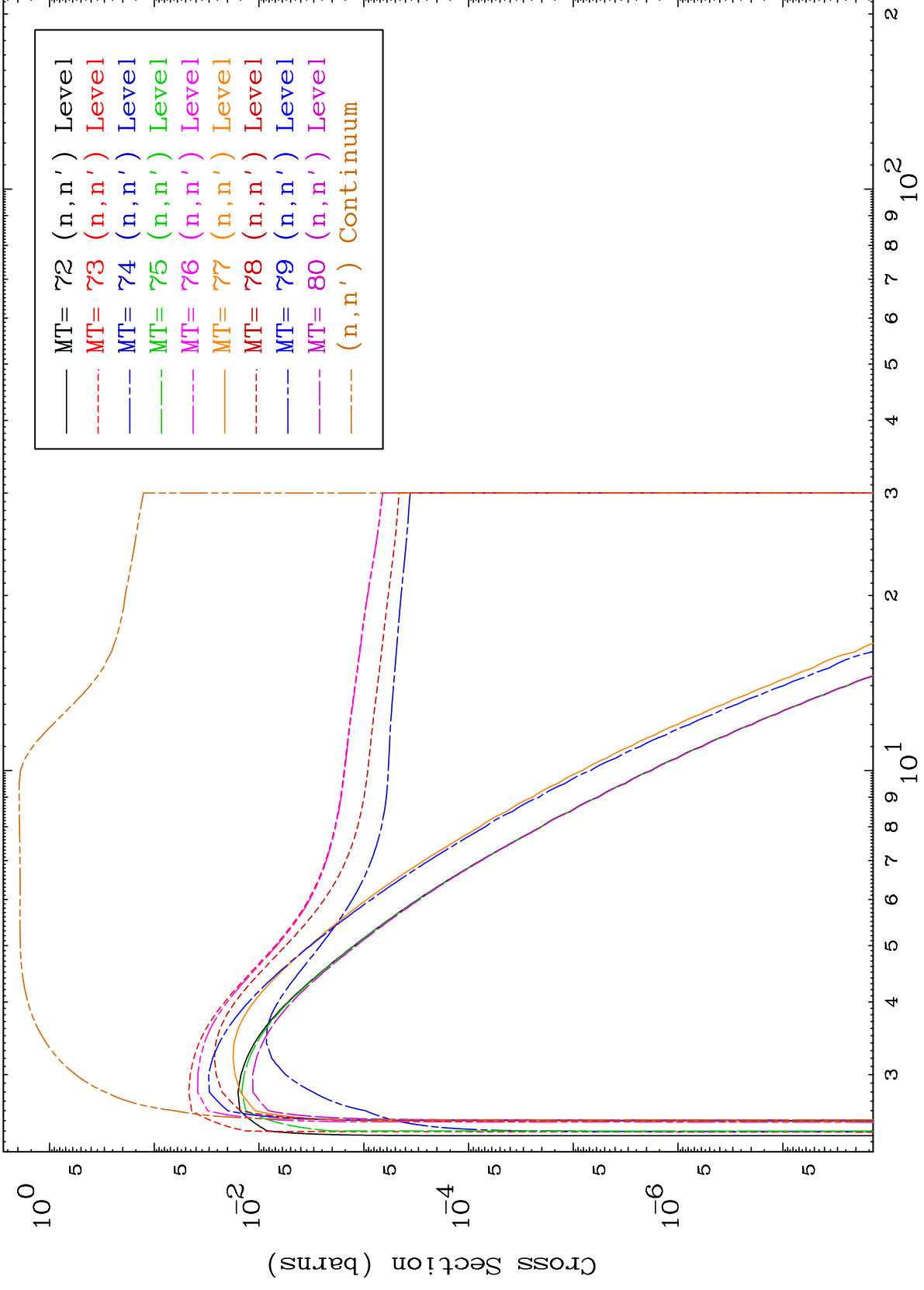
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MAT 5637

(n,n') Level

56-Ba-134

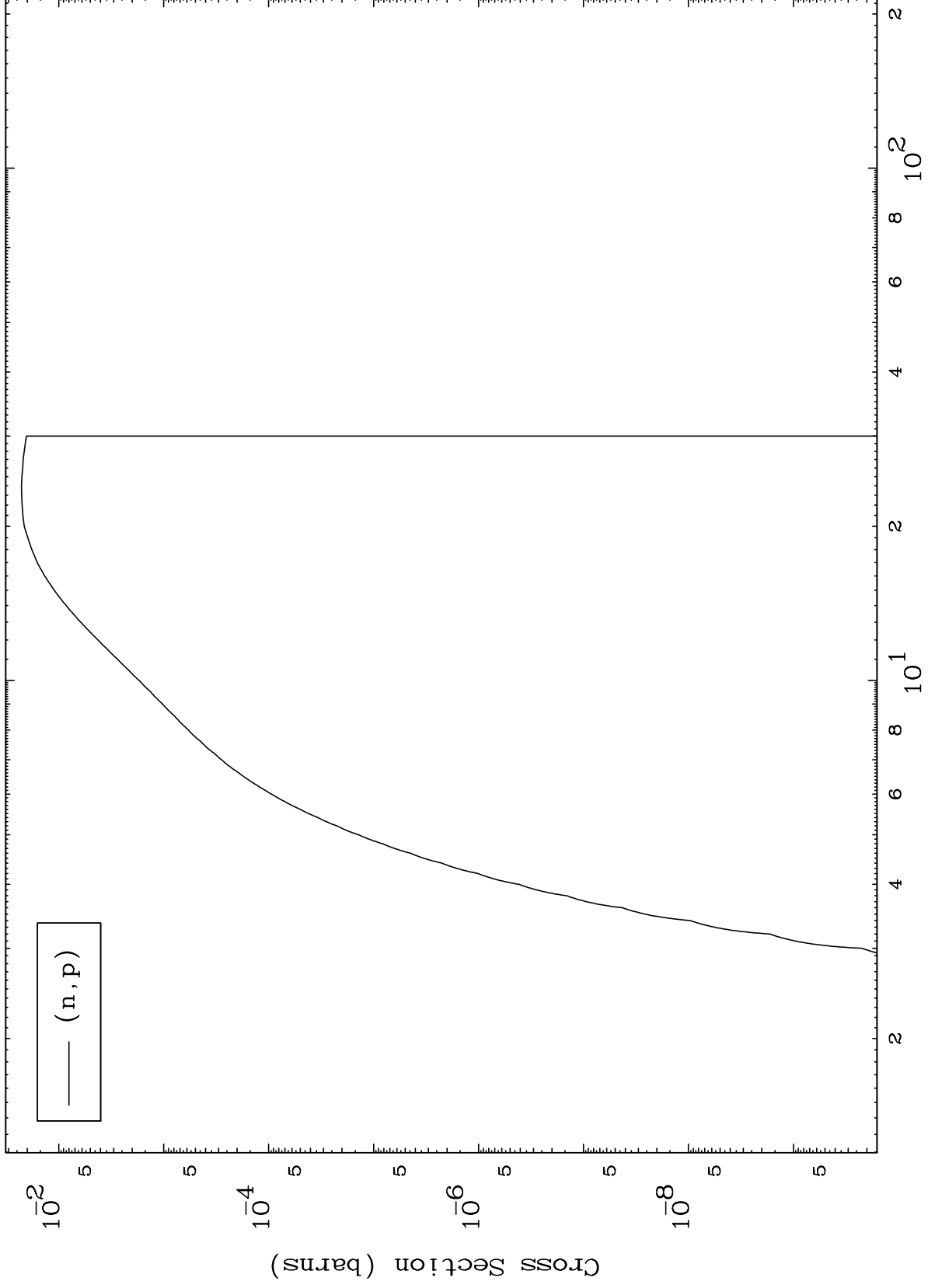
293 Kelvin Cross Sections



MAT 5637

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-134



10

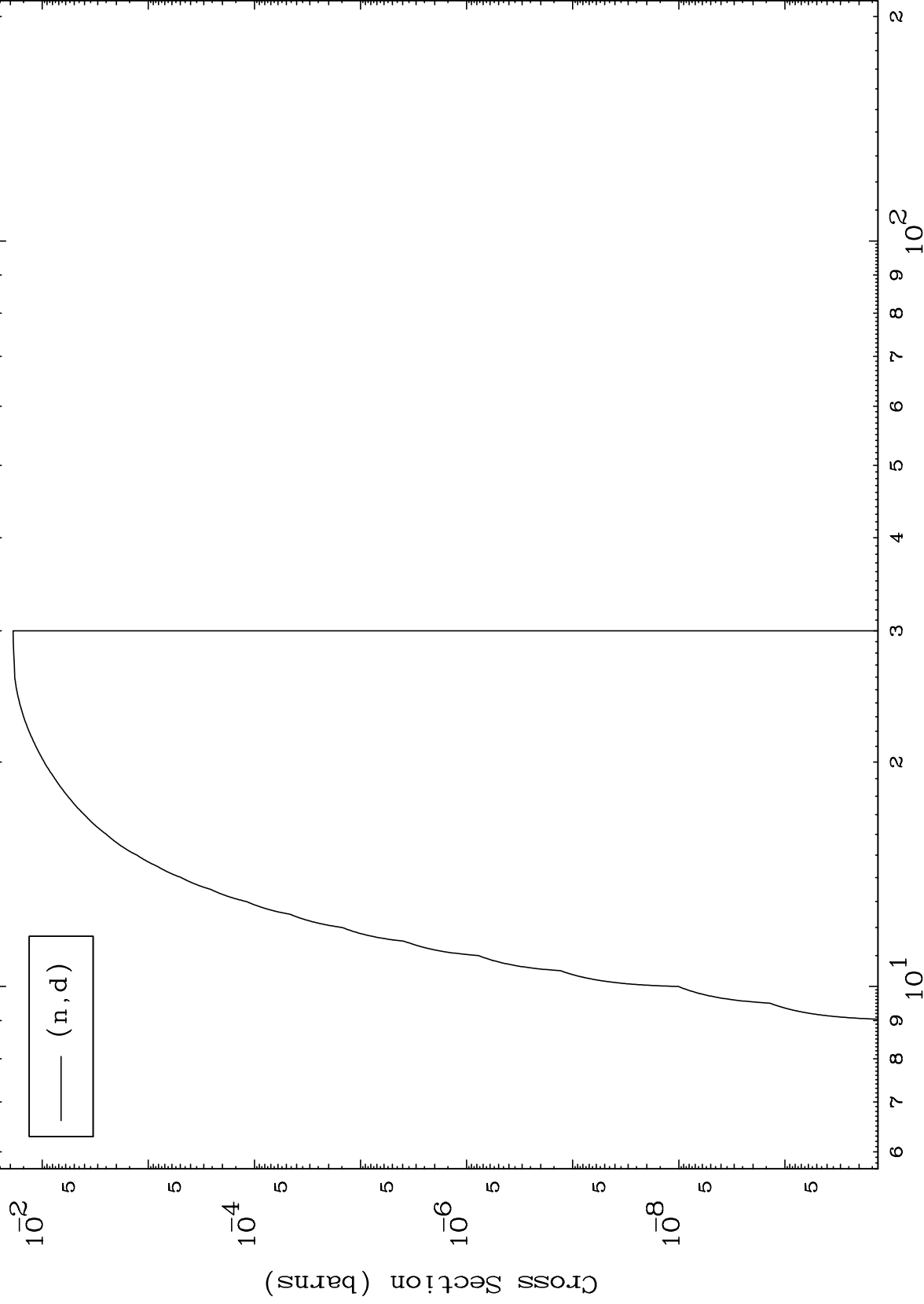
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,d) Levels  
293 Kelvin Cross Sections

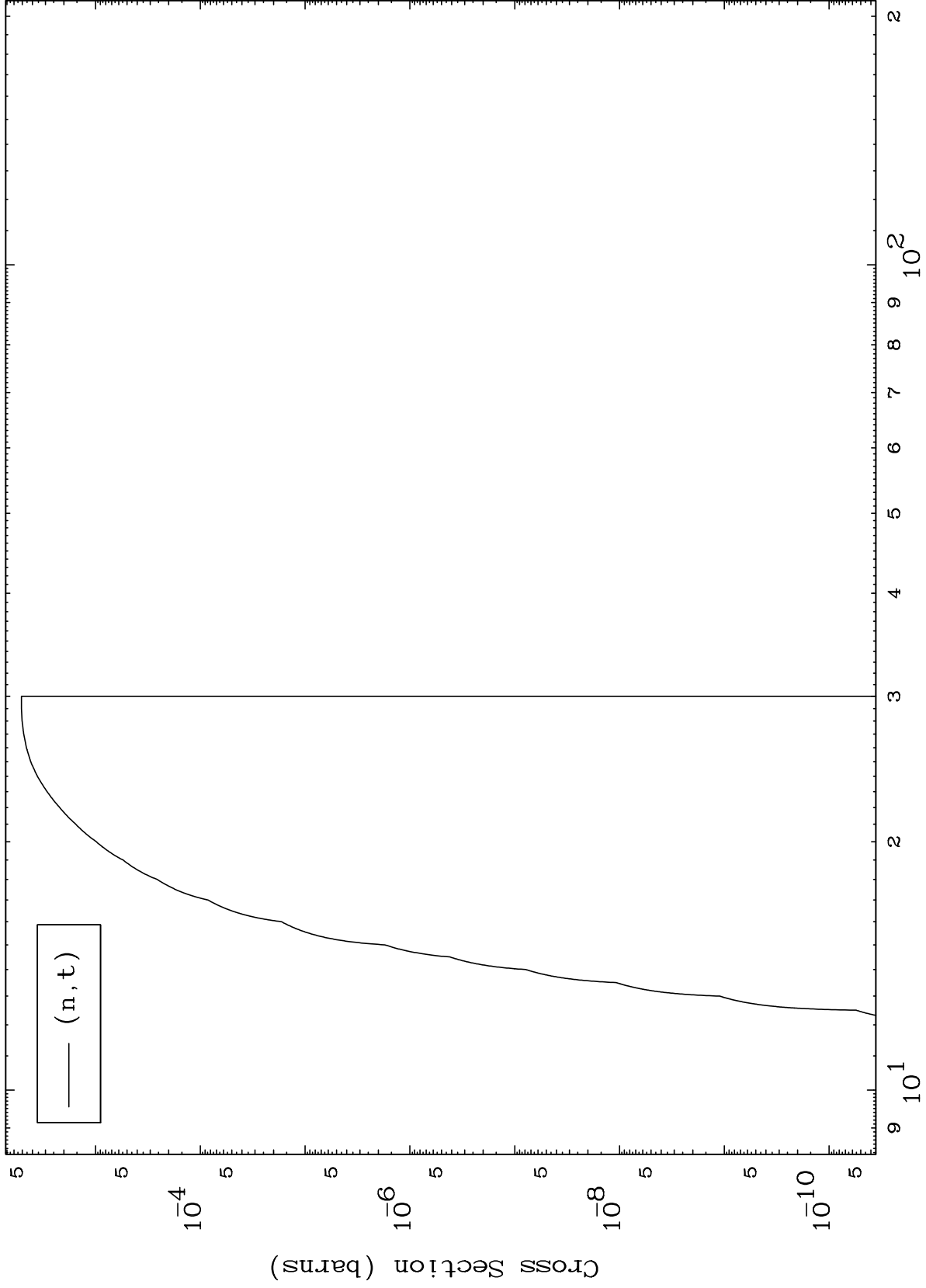
56-Ba-134



MAT 5637

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-134



12

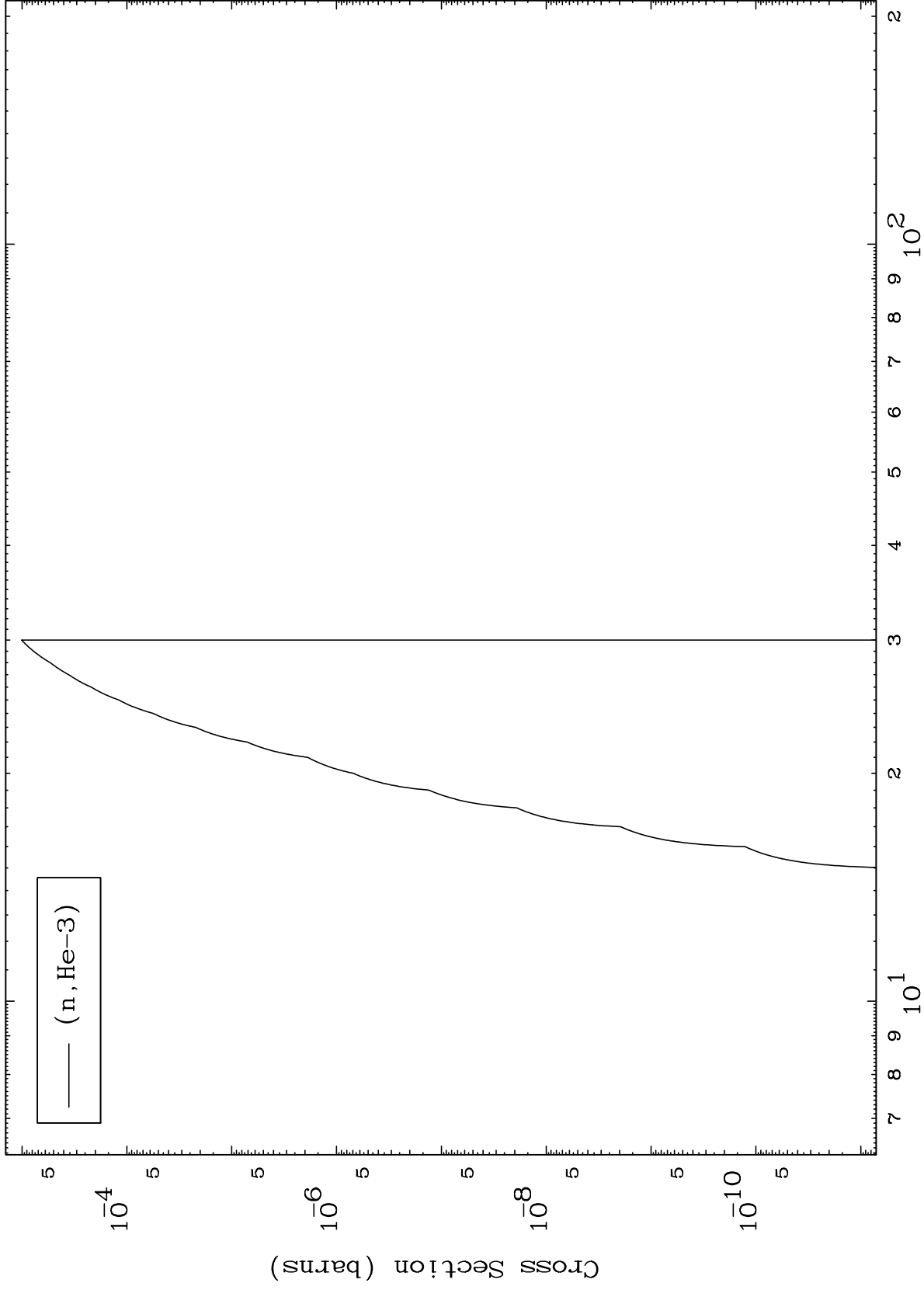
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-134



13

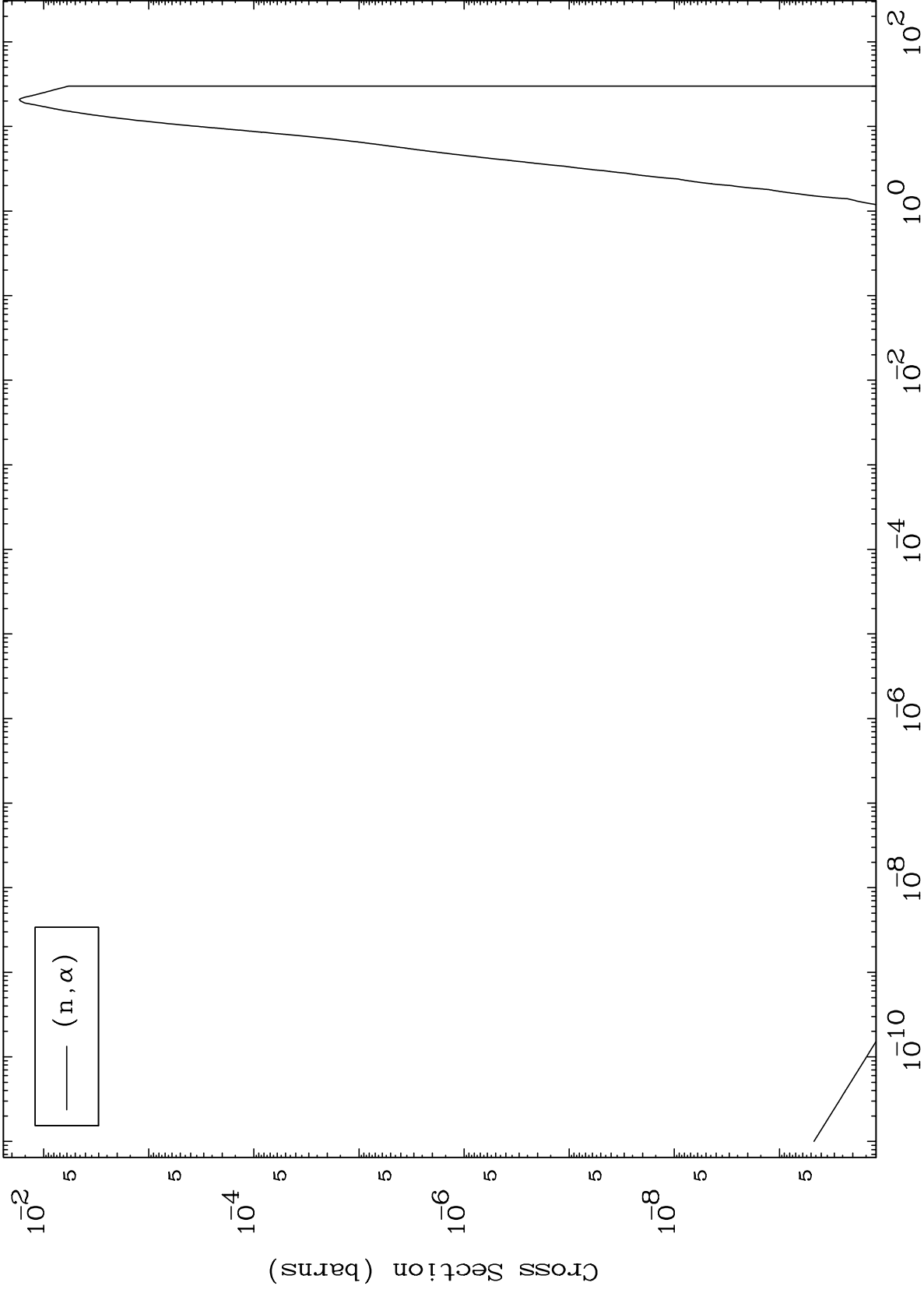
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

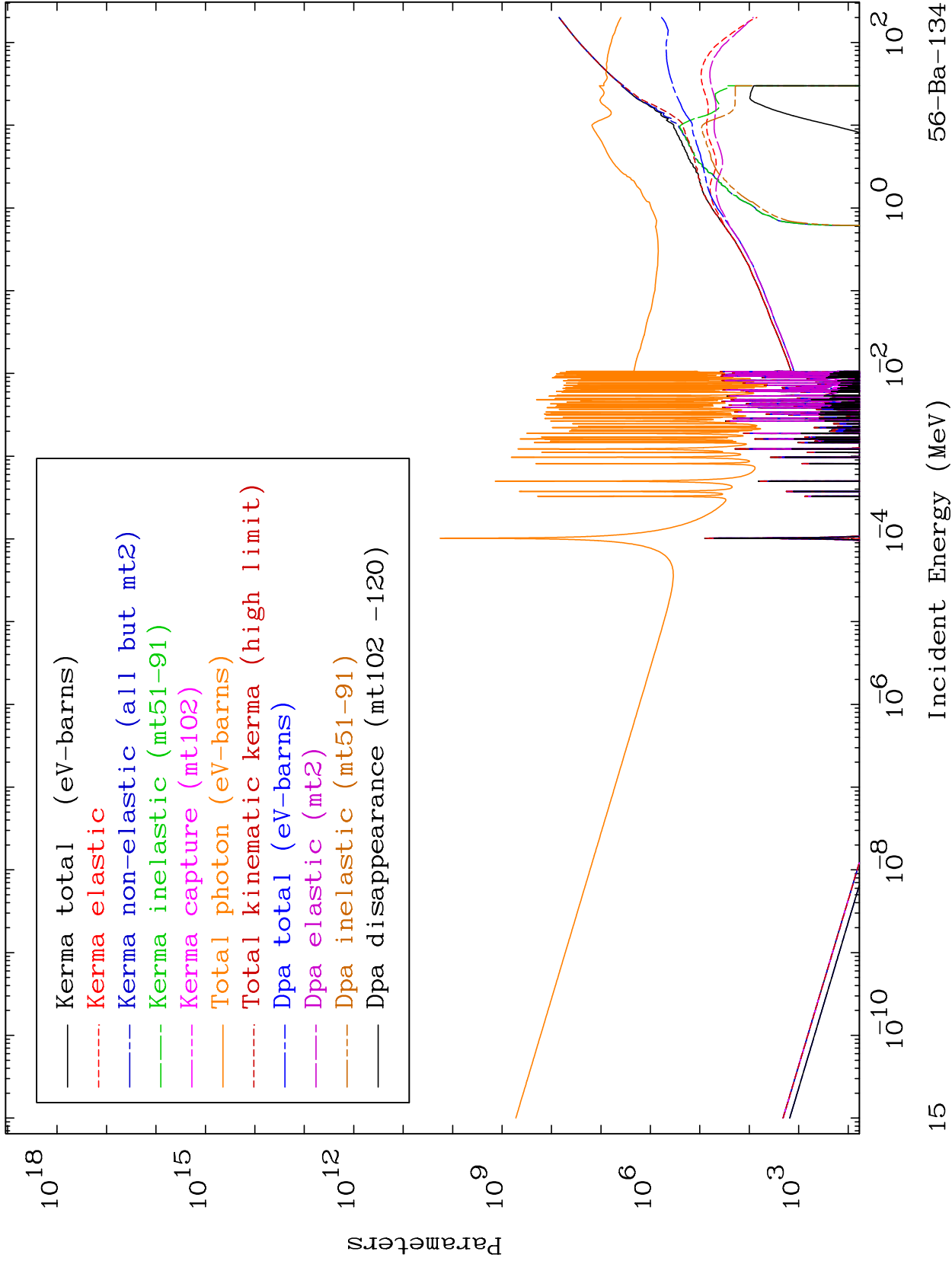
56-Ba-134



14

Incident Energy (MeV)

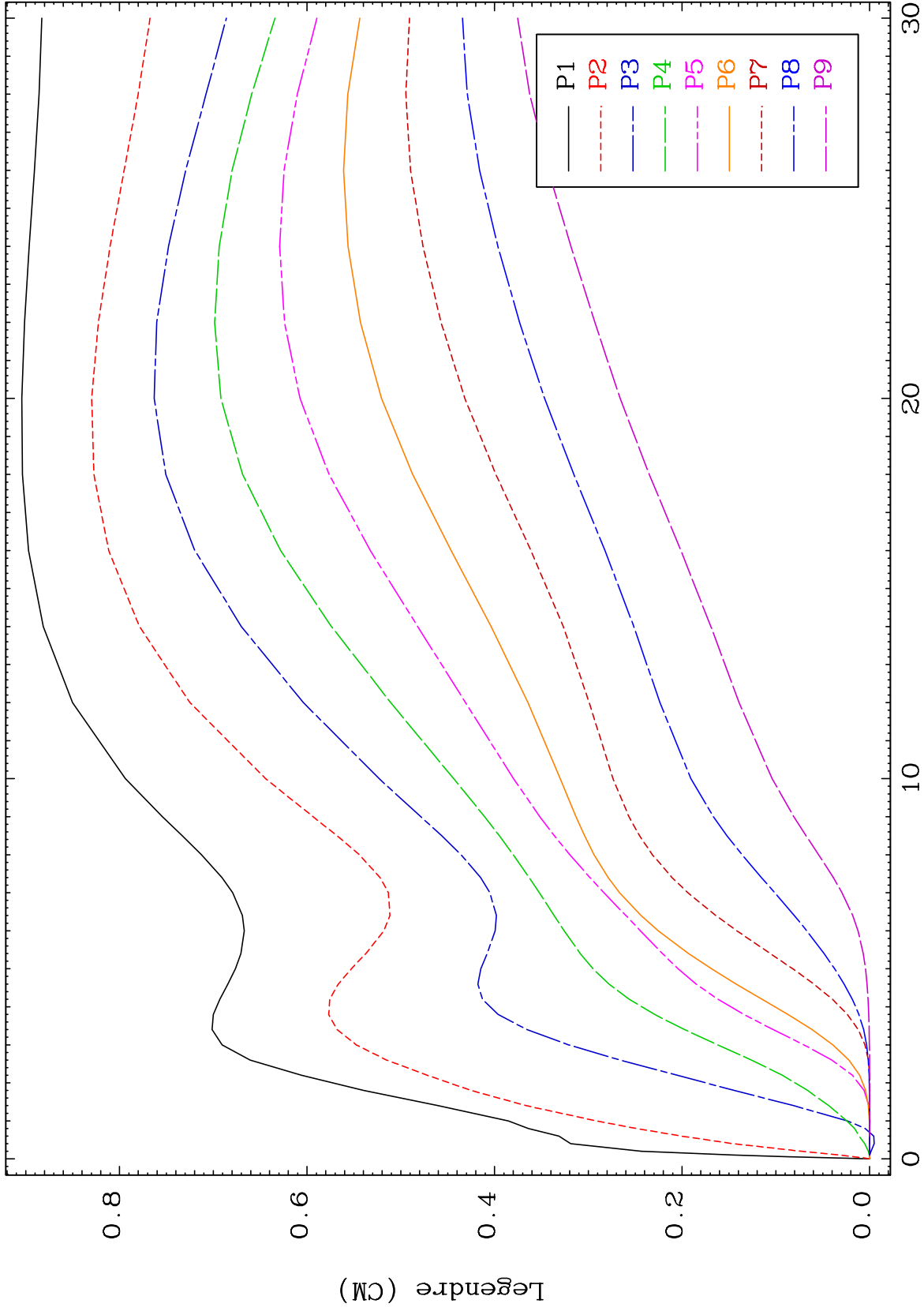
56-Ba-134



MAT 5637

Elastic Legendre Coefficients

56-Ba-134



16

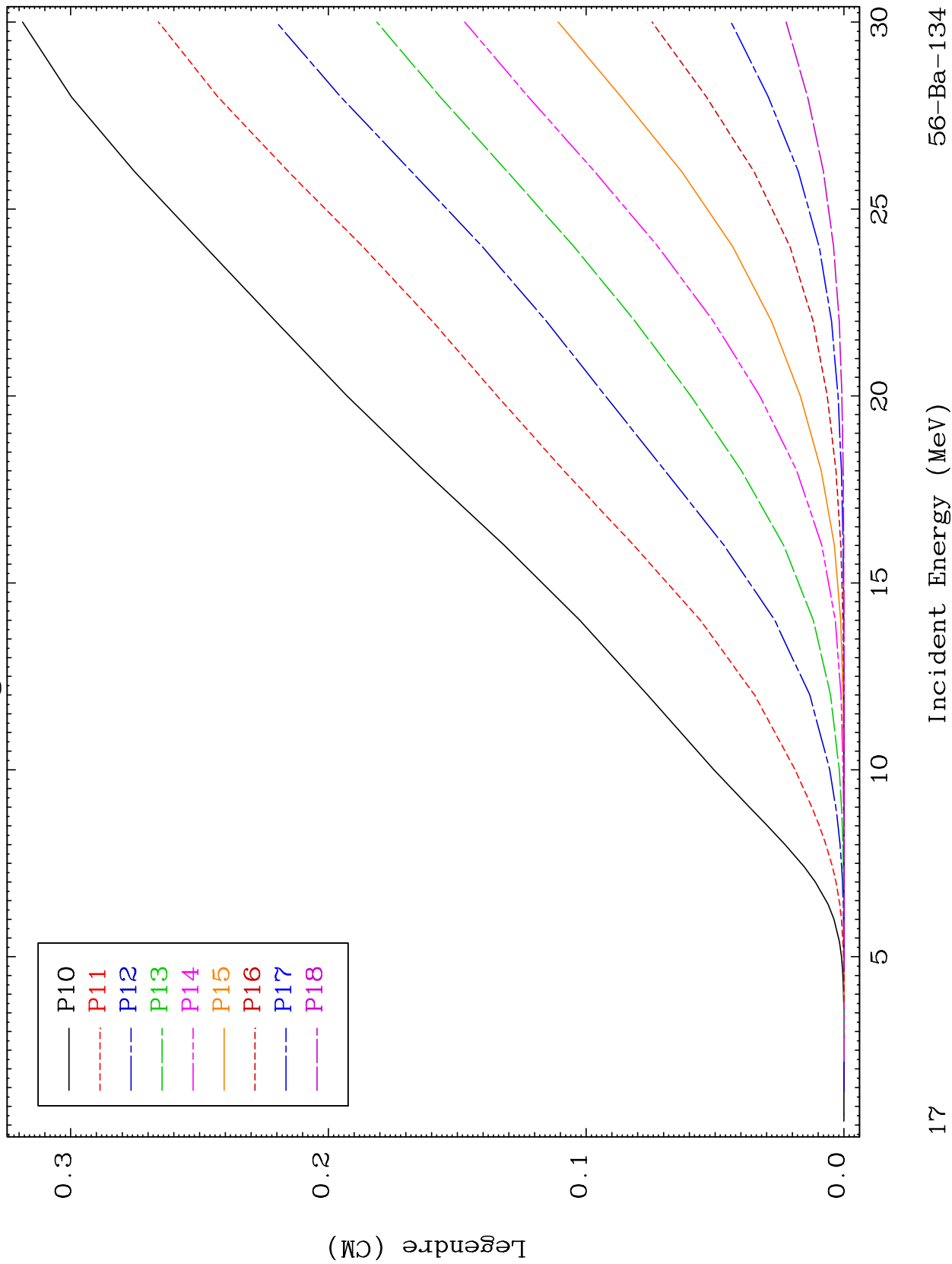
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



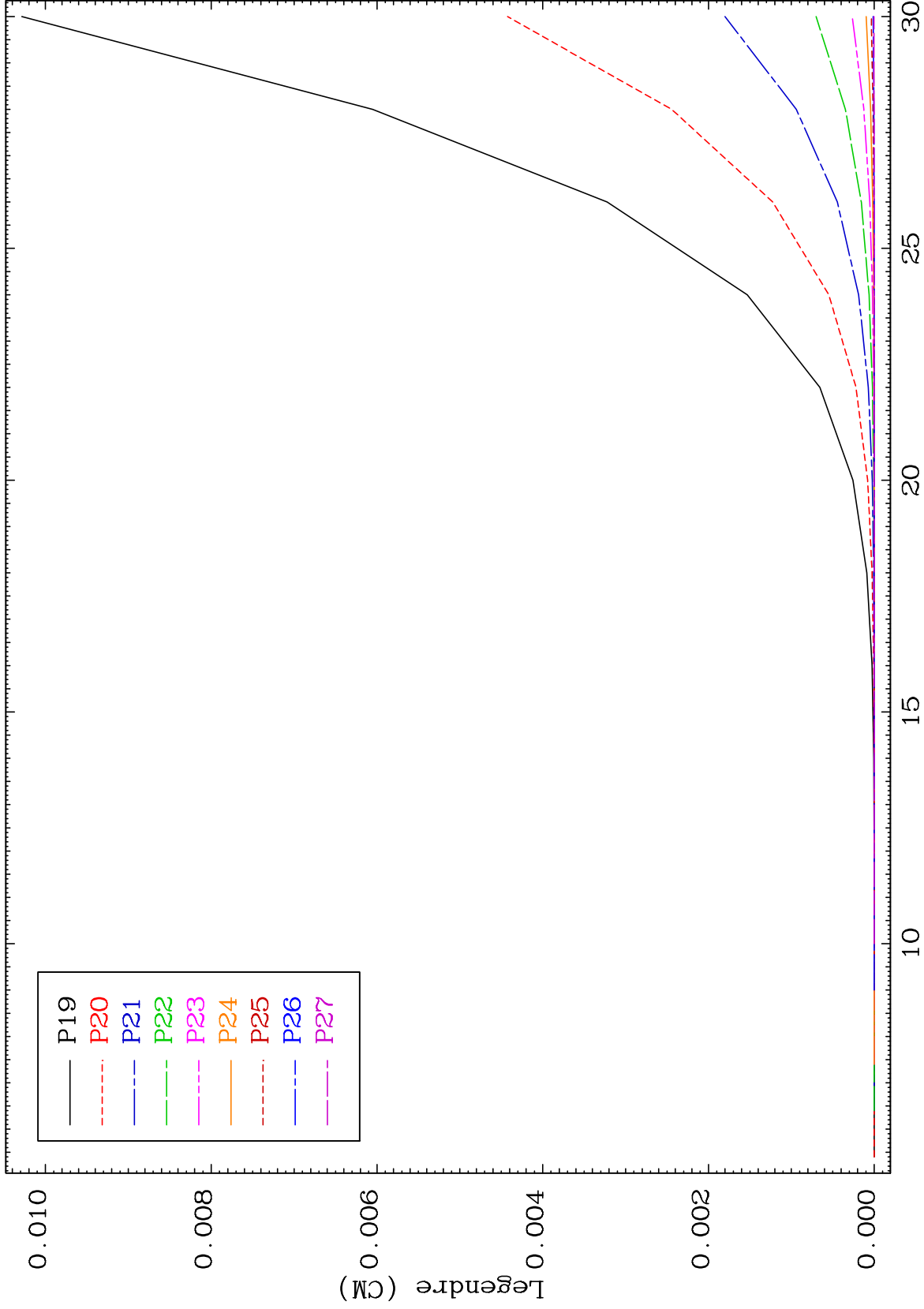
17

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



18

Incident Energy (MeV)

56-Ba-134

30

25

20

15

10

0.010

0.008

Legendre (CM)

0.006

0.004

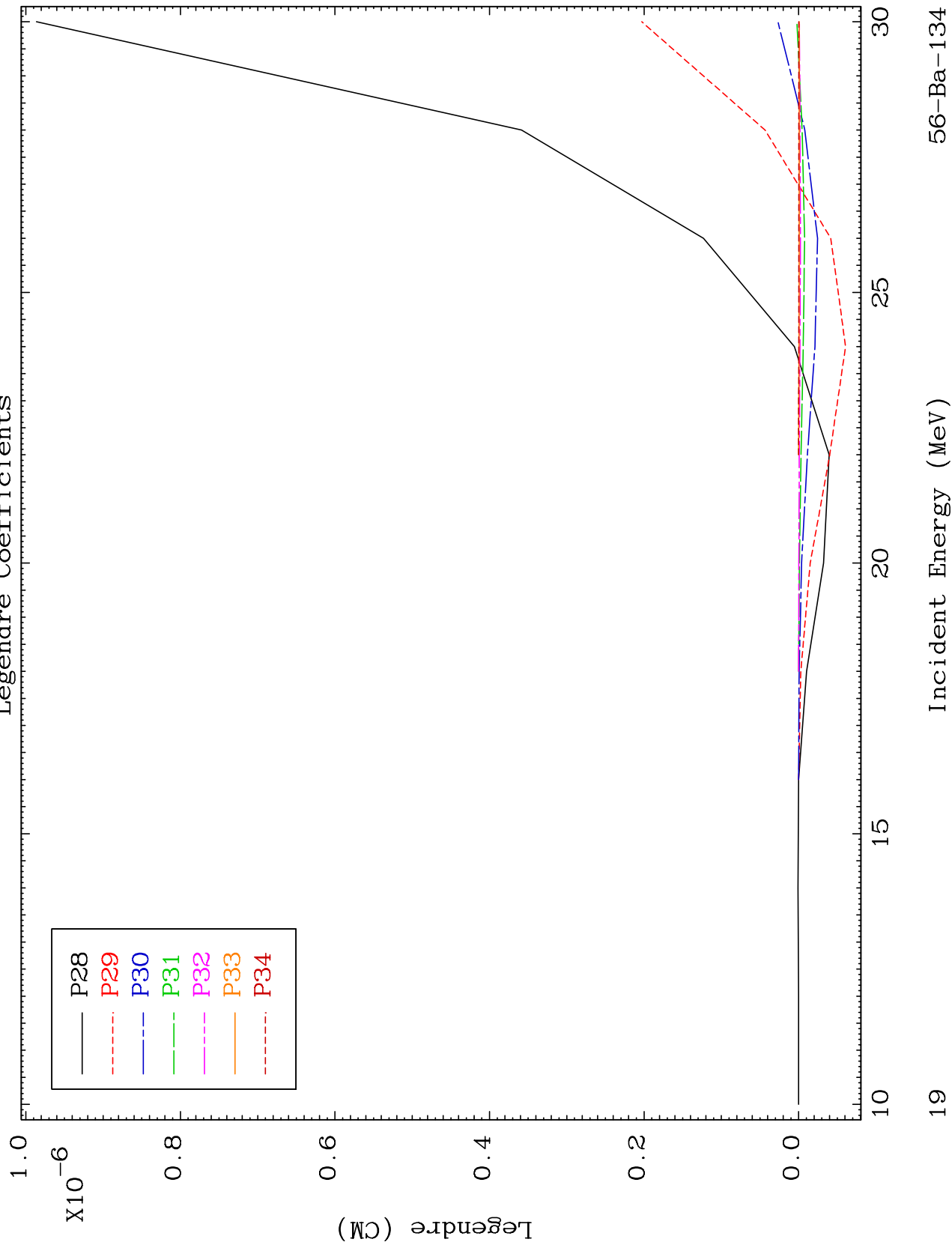
0.002

0.000

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



19

Incident Energy (MeV)

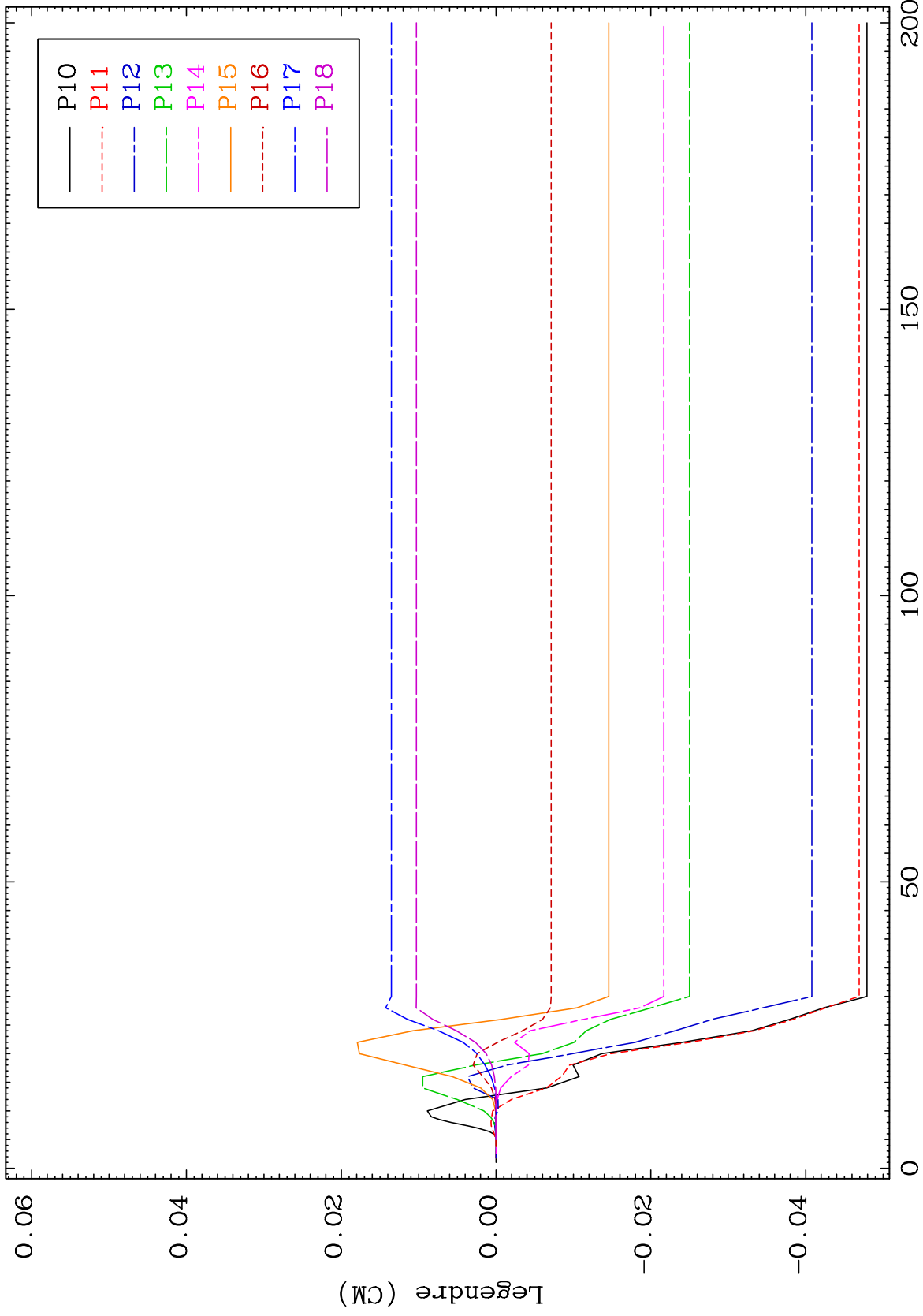
56-Ba-134



MAT 5637

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

56-Ba-134



21

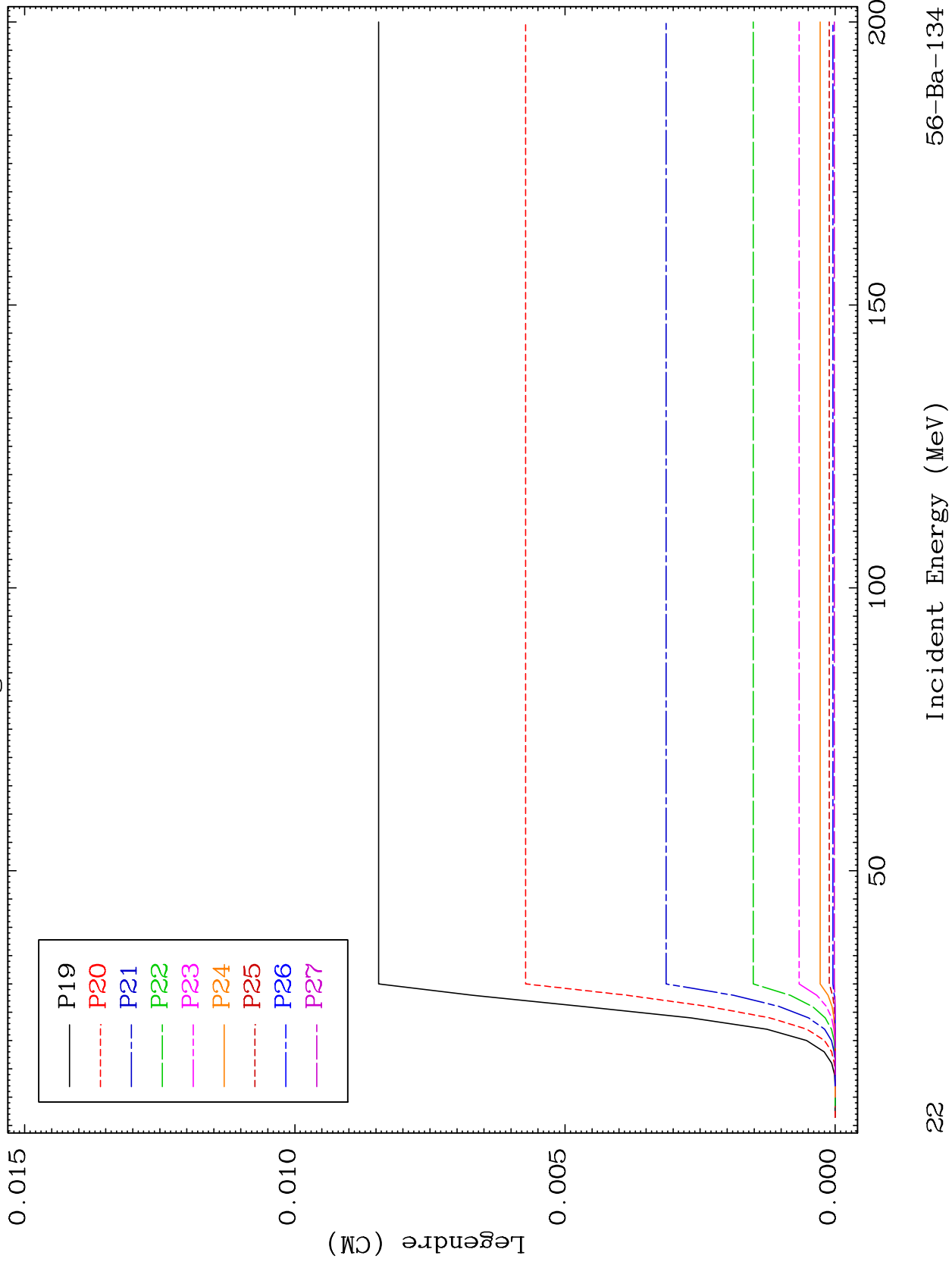
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



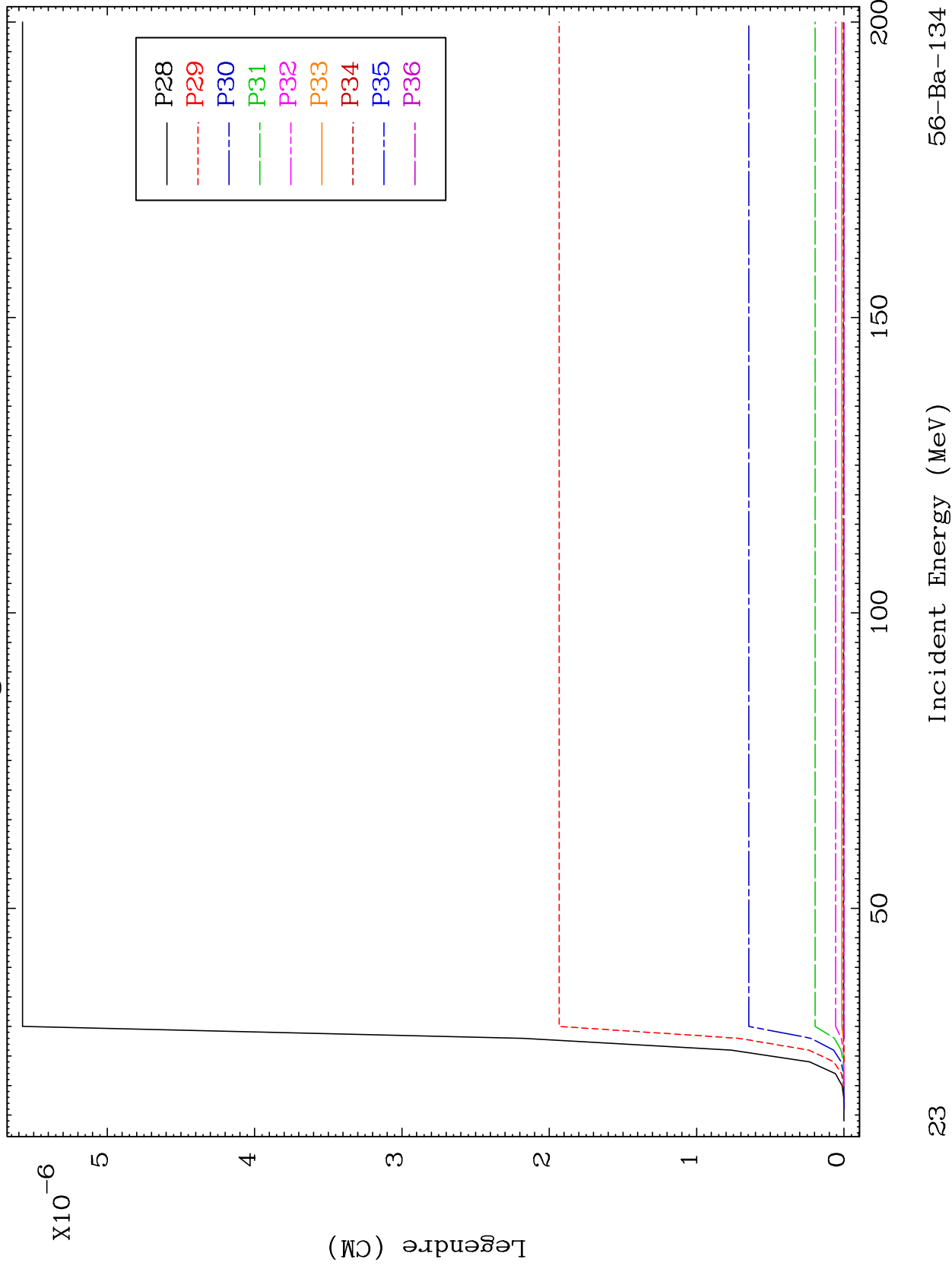
22

56-Ba-134

MAT 5637

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

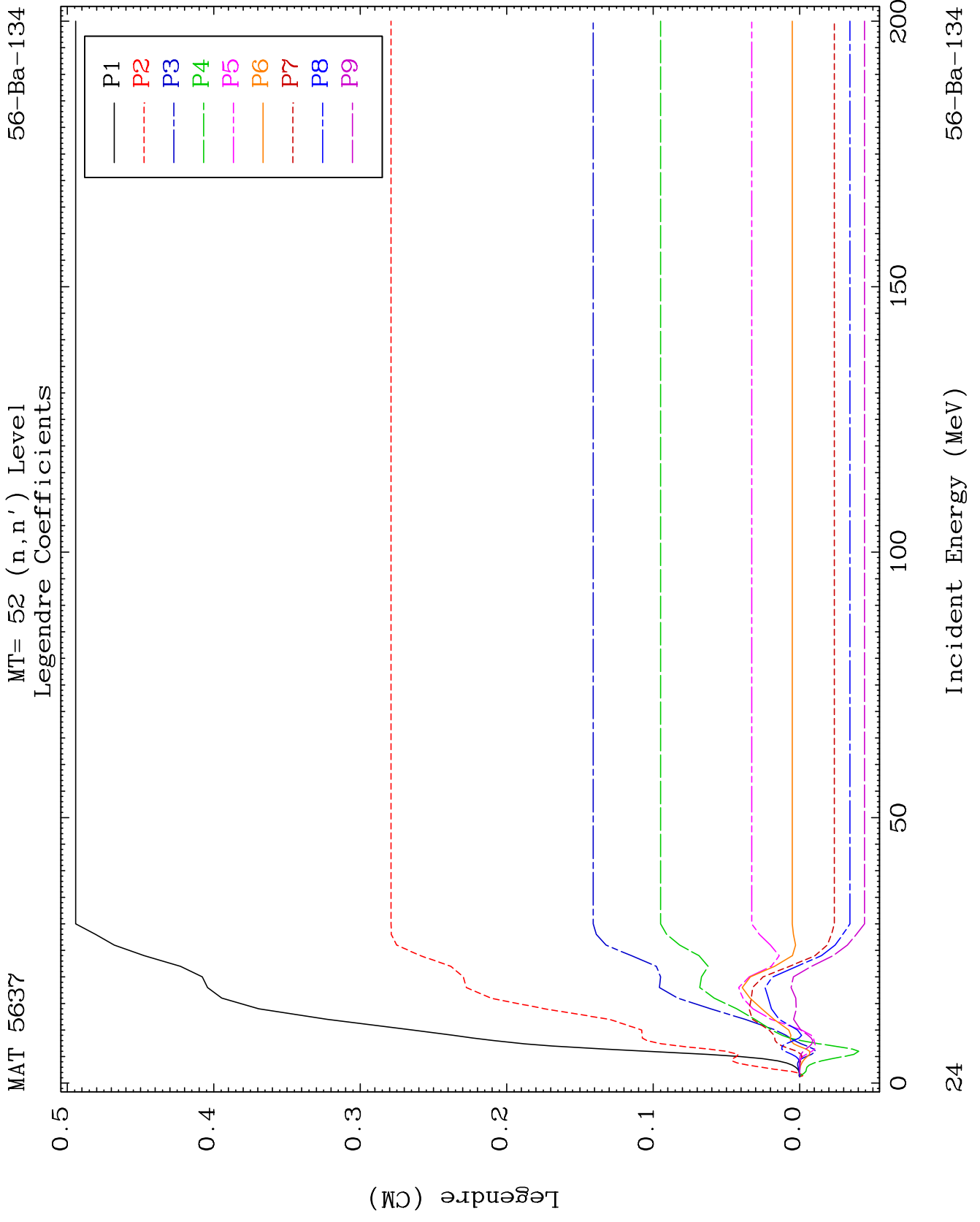
56-Ba-134



23

Incident Energy (MeV)

56-Ba-134

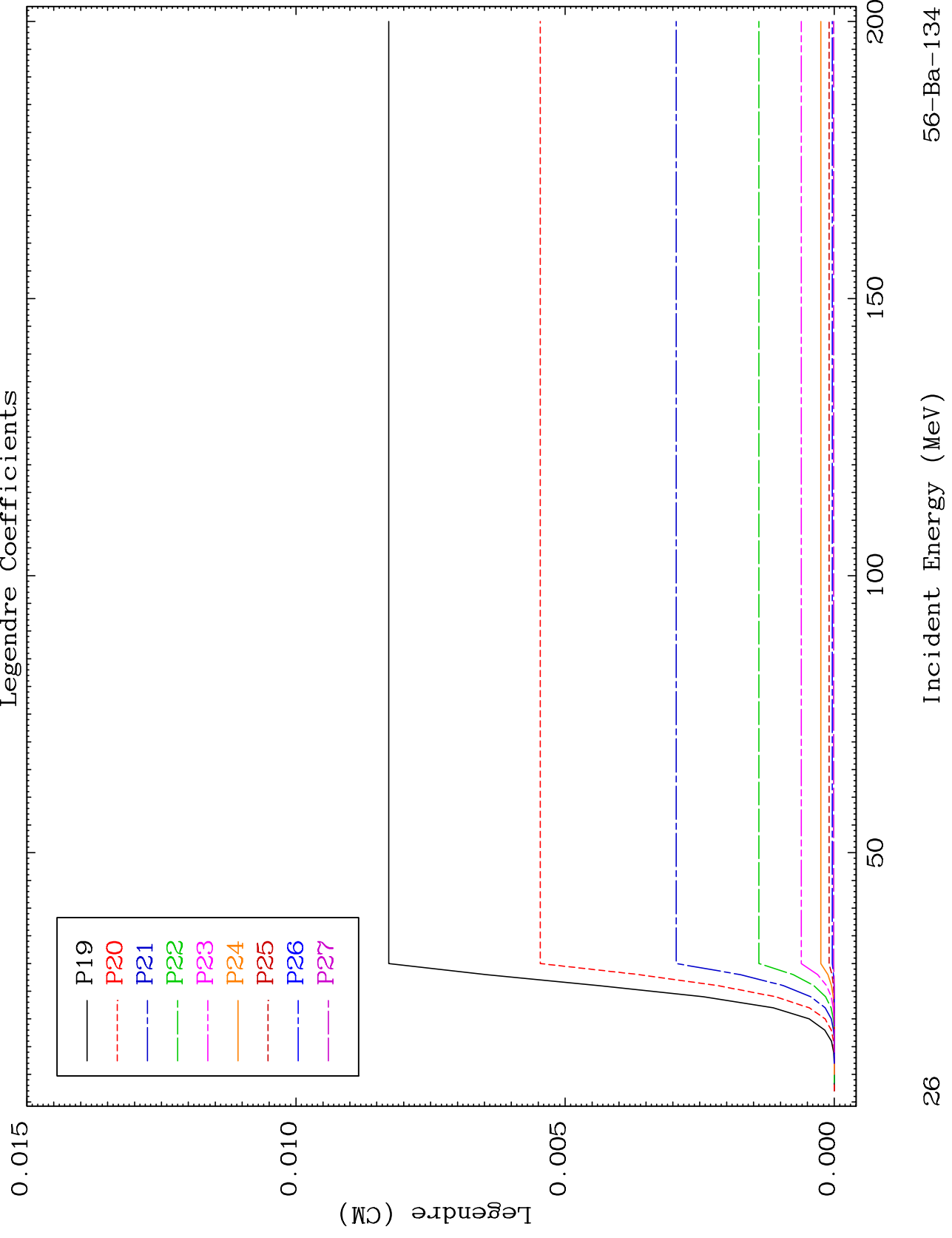




MAT 5637

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

56-Ba-134



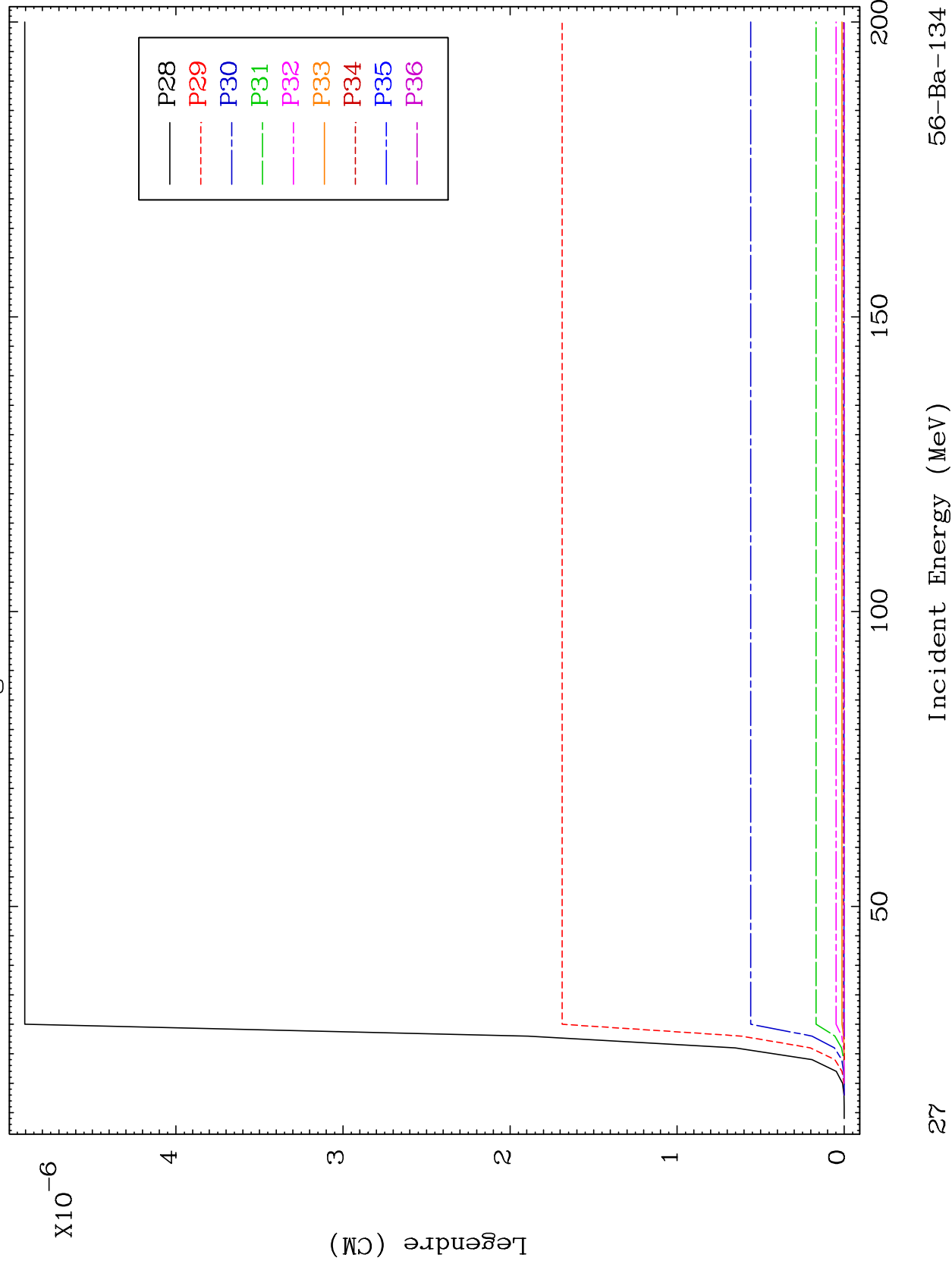
26

56-Ba-134

MAT 5637

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

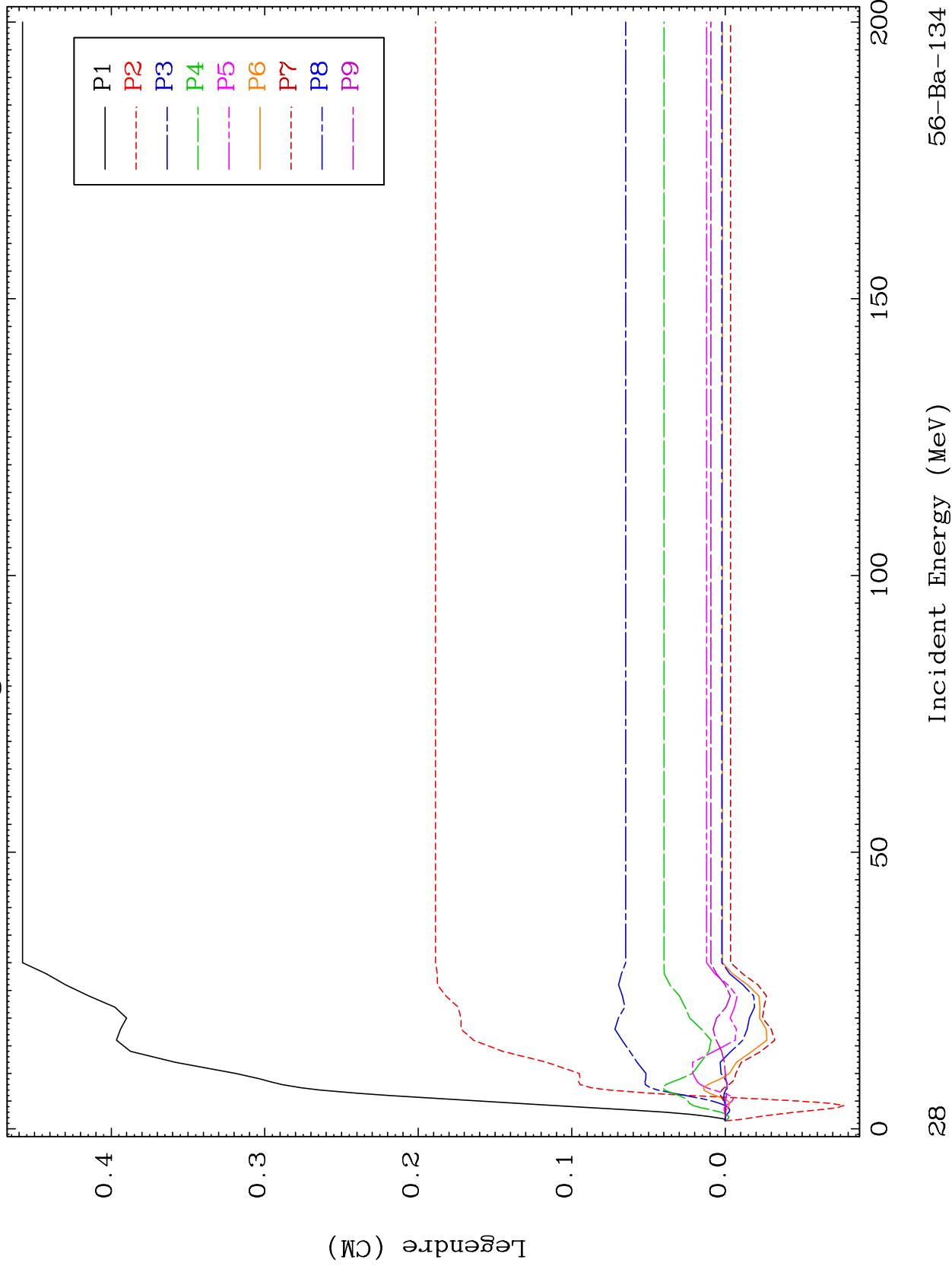
56-Ba-134



MAT 5637

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

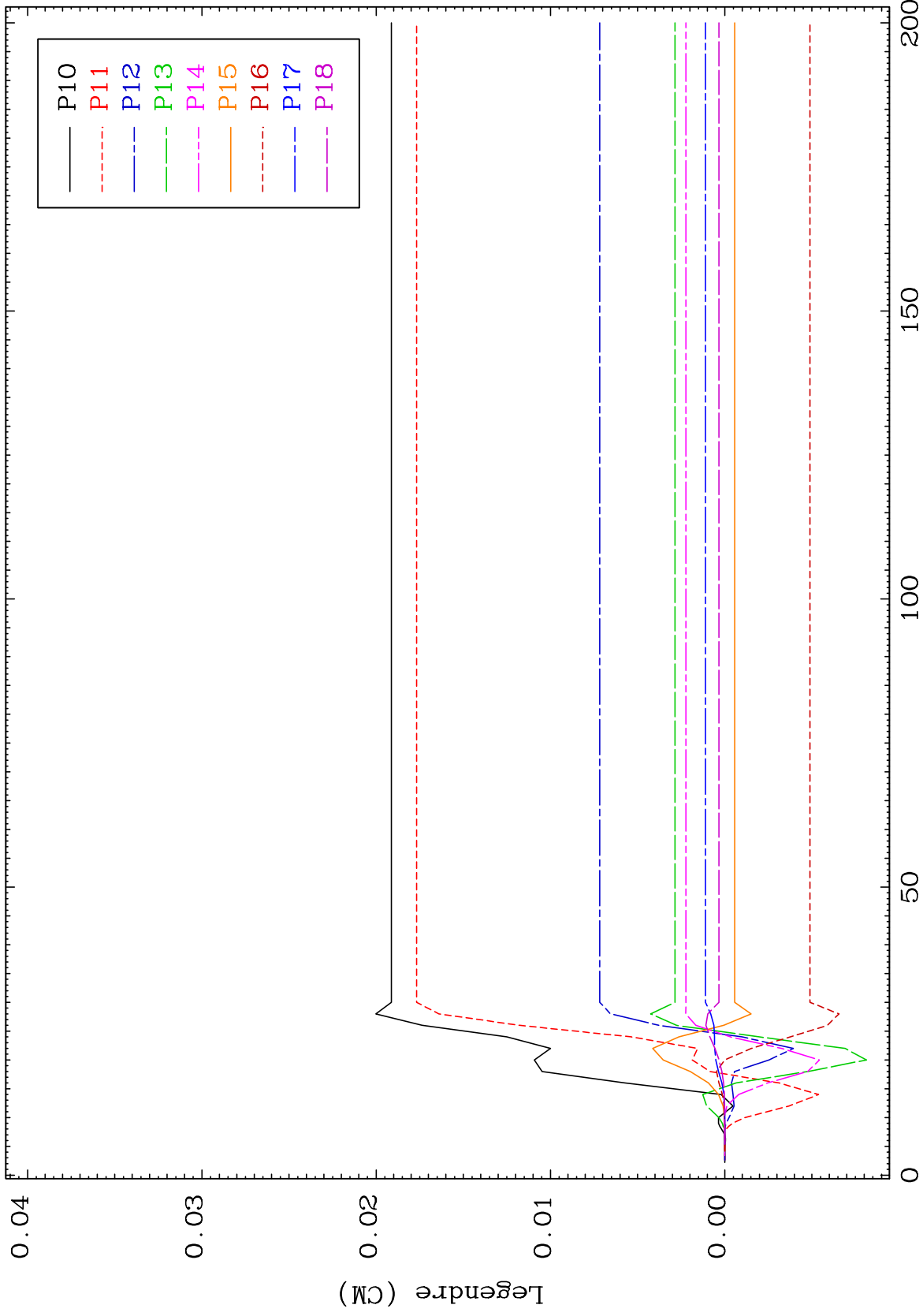
56-Ba-134



MAT 5637

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

56-Ba-134



29

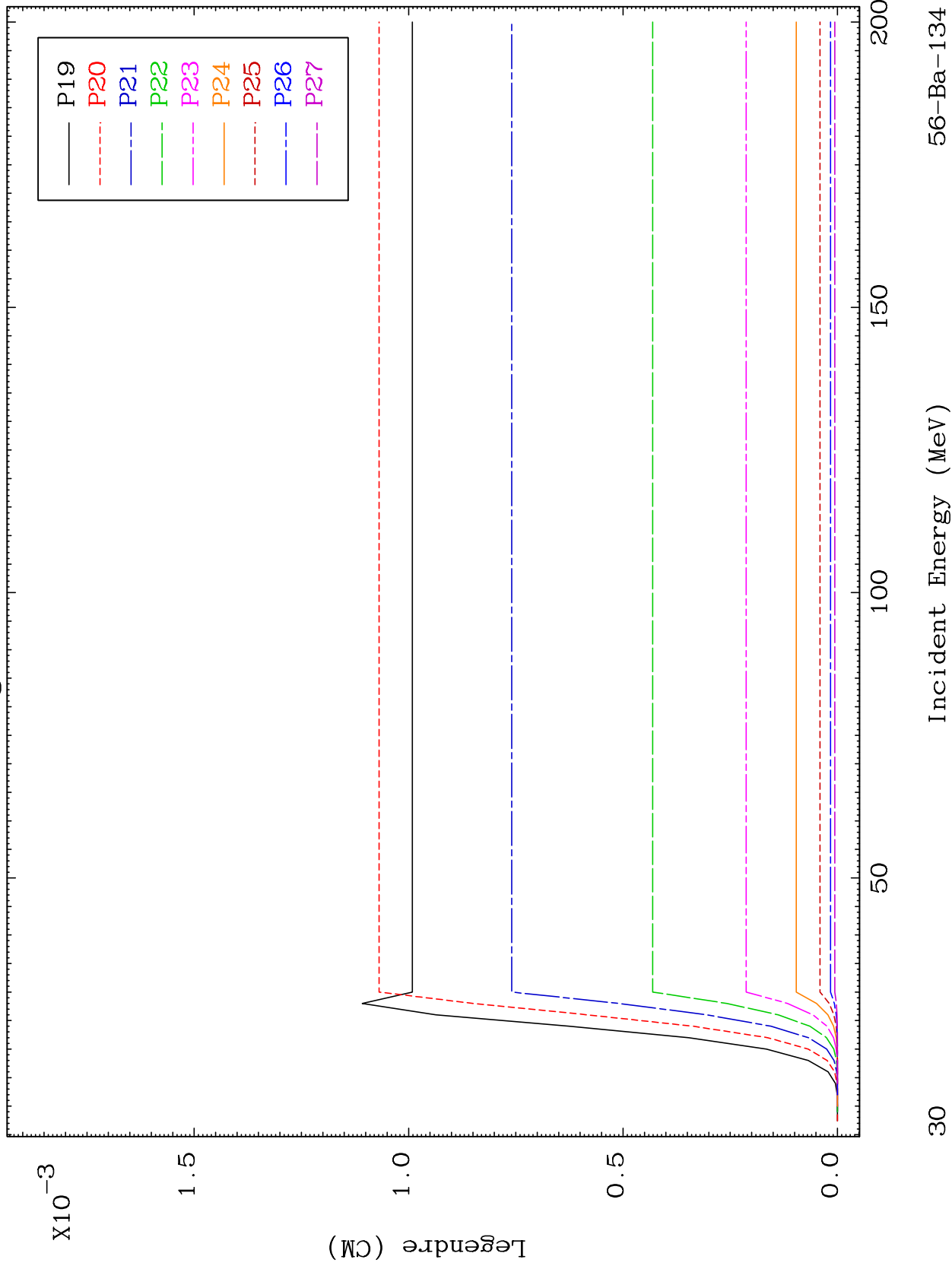
56-Ba-134

56-Ba-134

MAT 5637

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

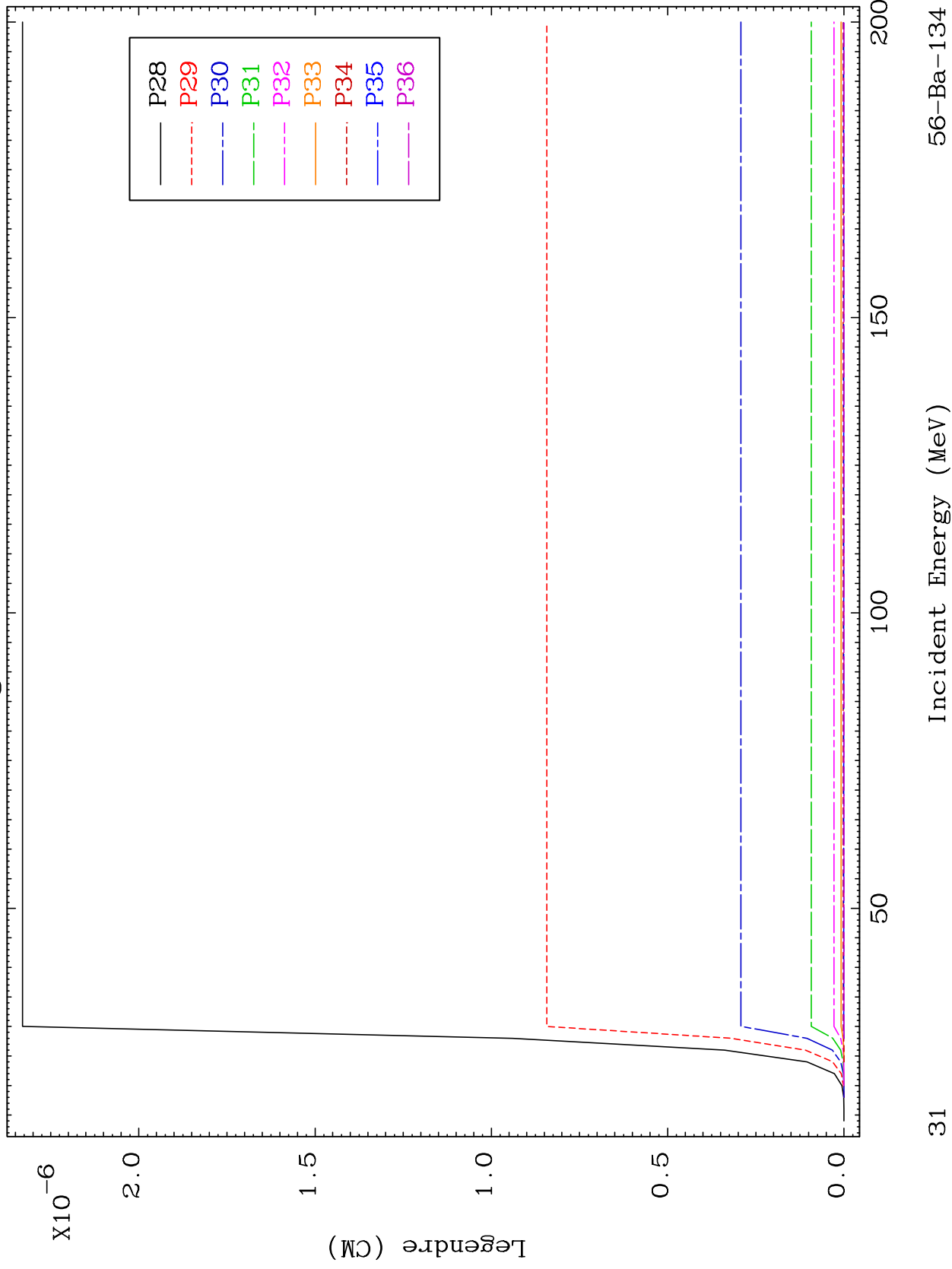
56-Ba-134



MAT 5637

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

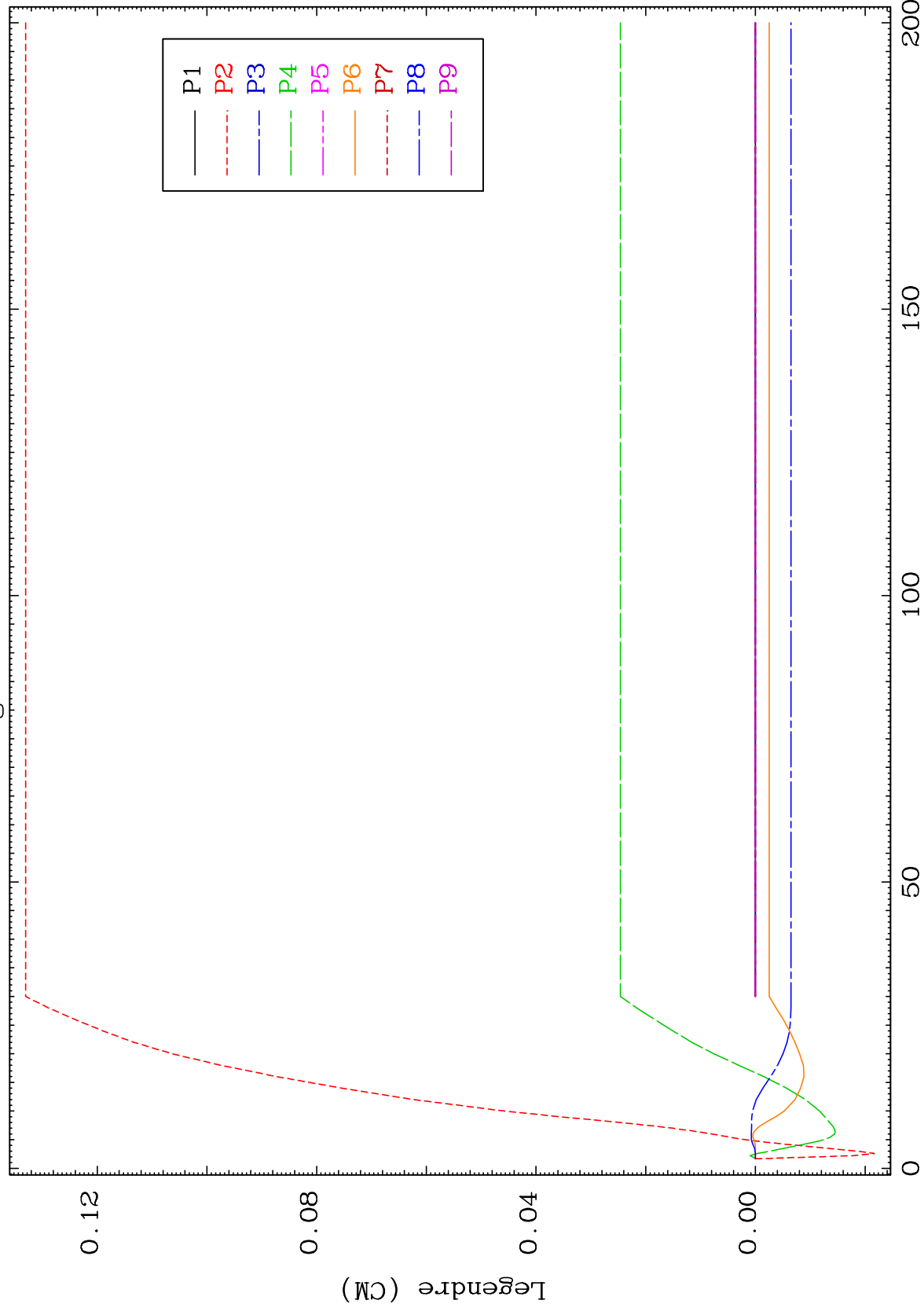
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

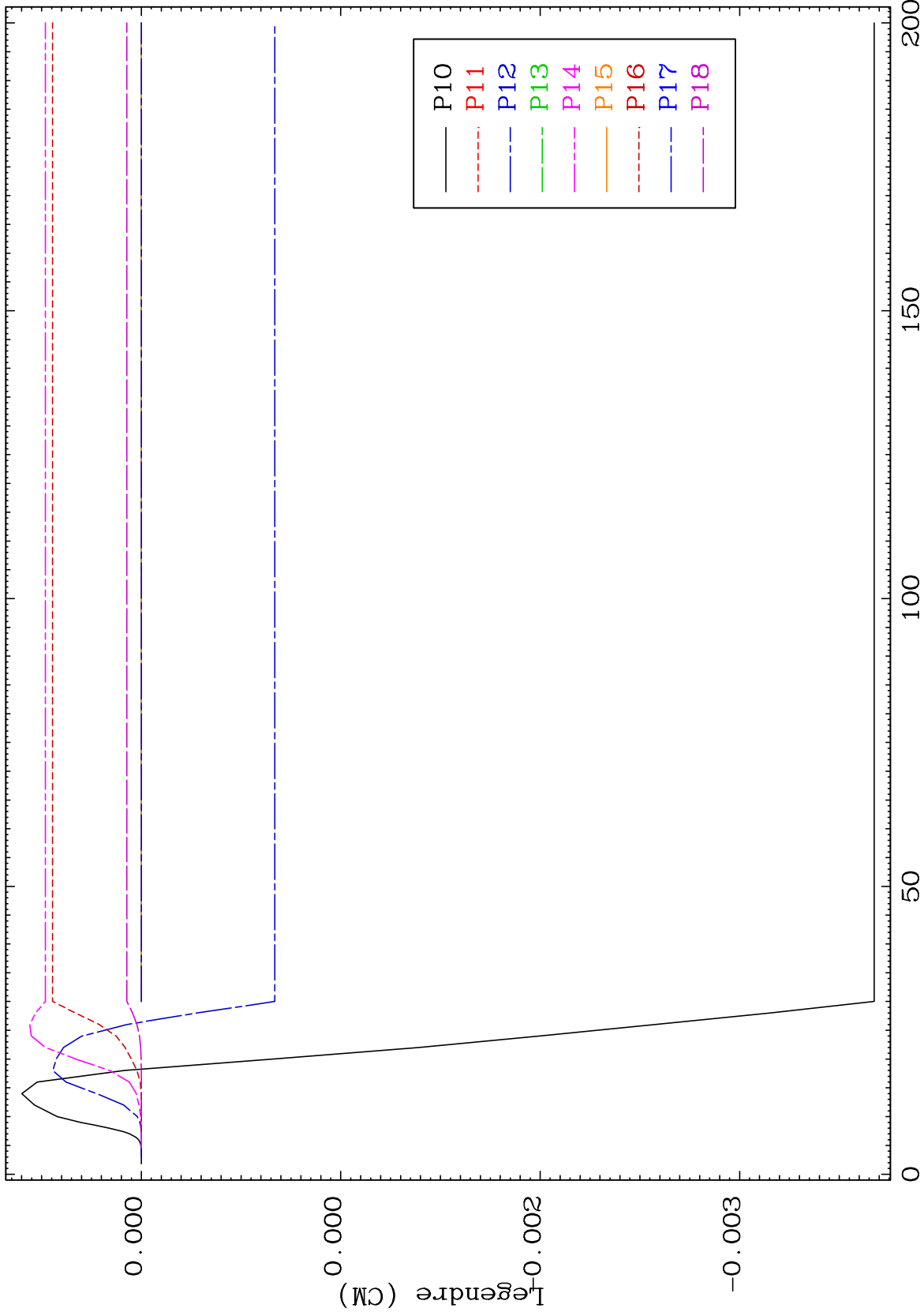
Incident Energy (MeV)

32

MAT 5637

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

56-Ba-134

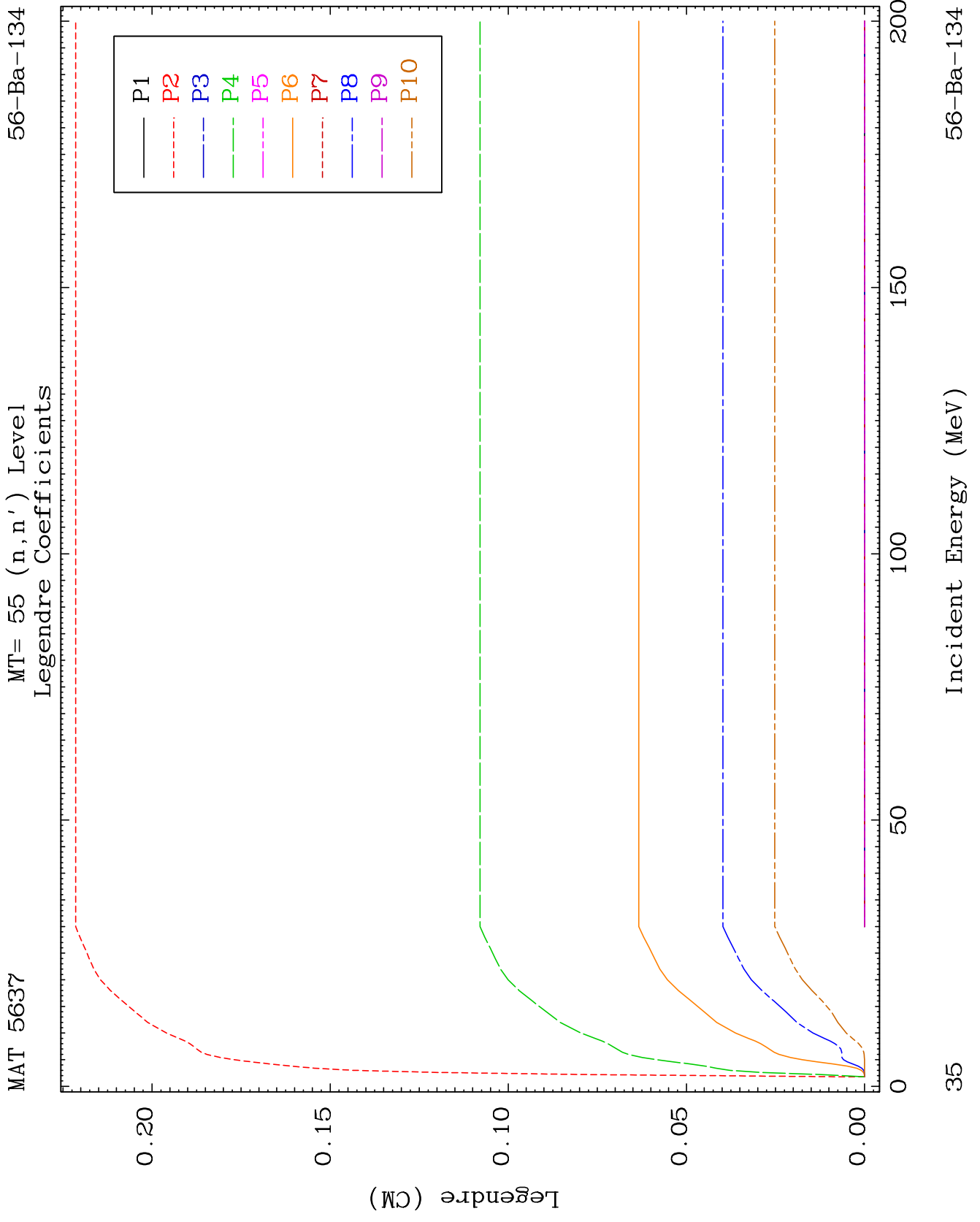


33

Incident Energy (MeV)

56-Ba-134

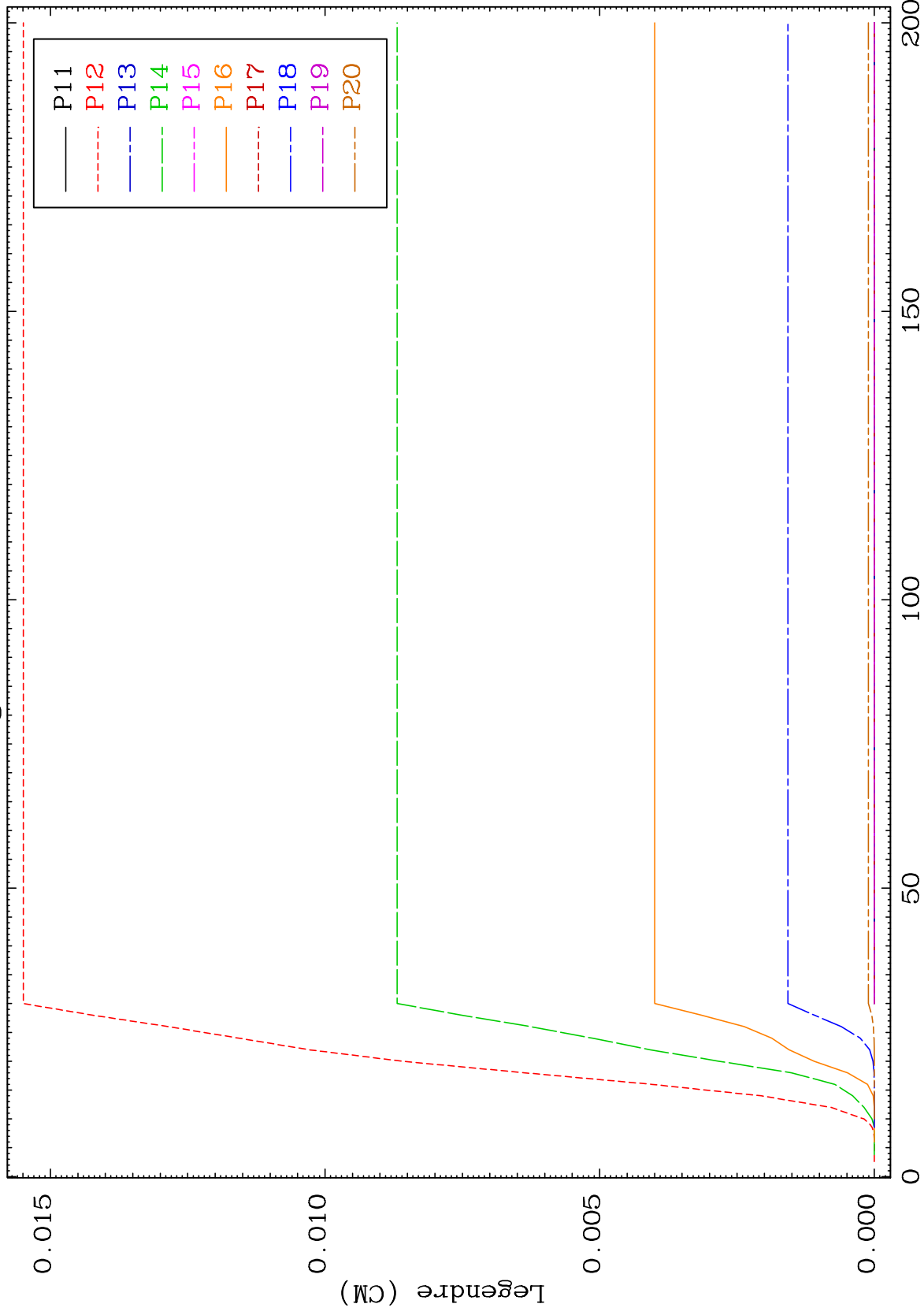




MAT 5637

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

56-Ba-134



36

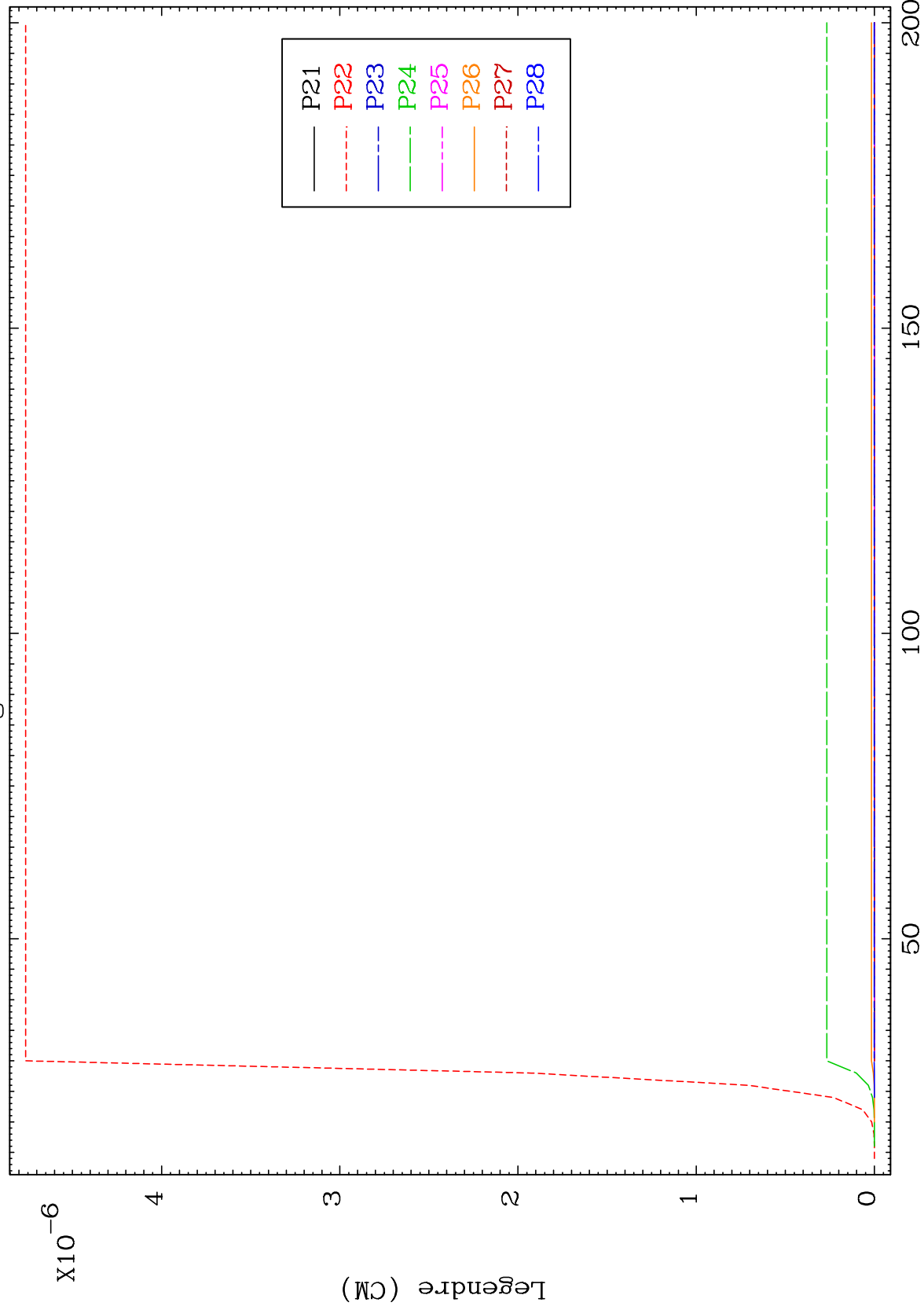
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



37

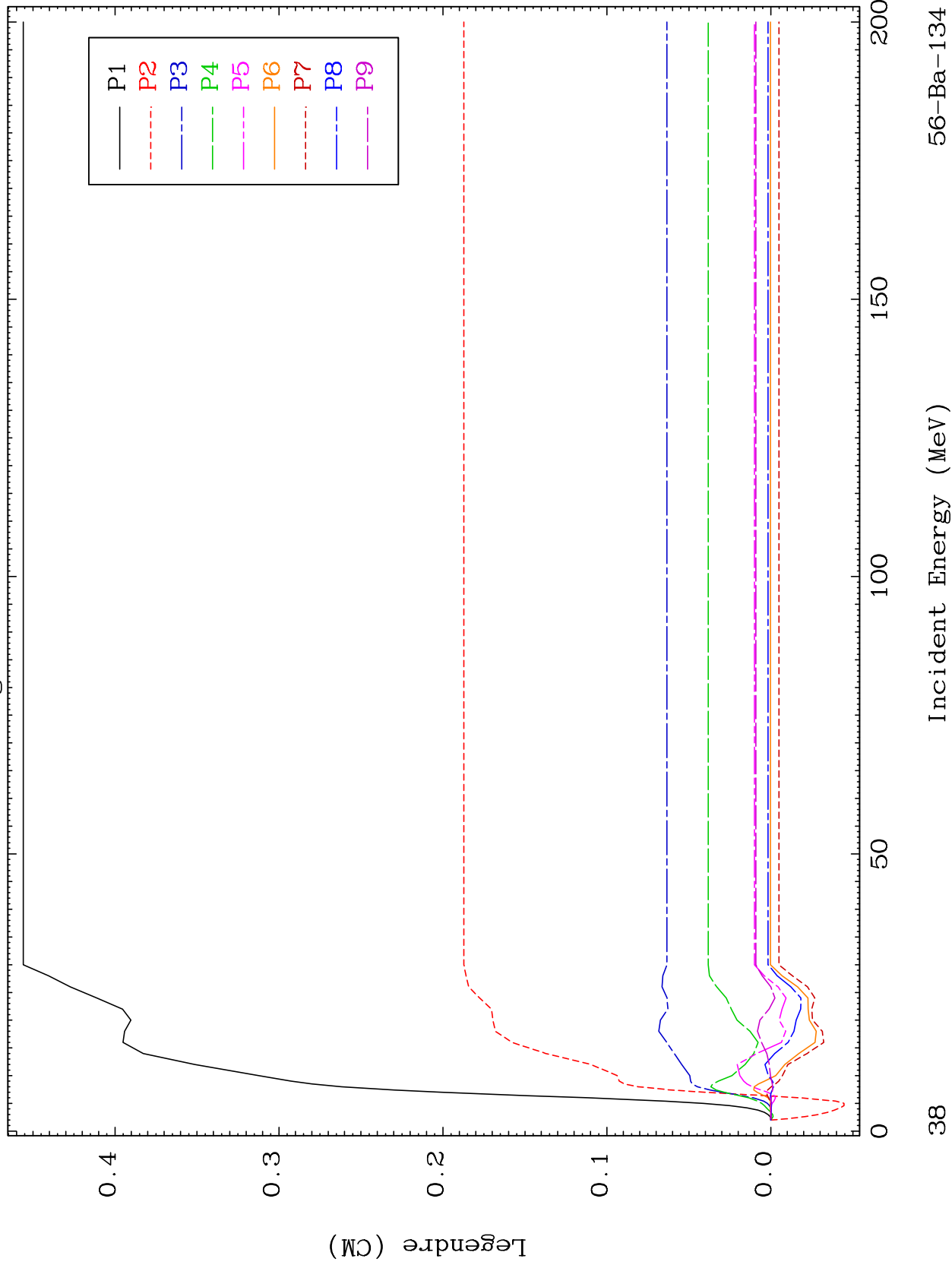
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

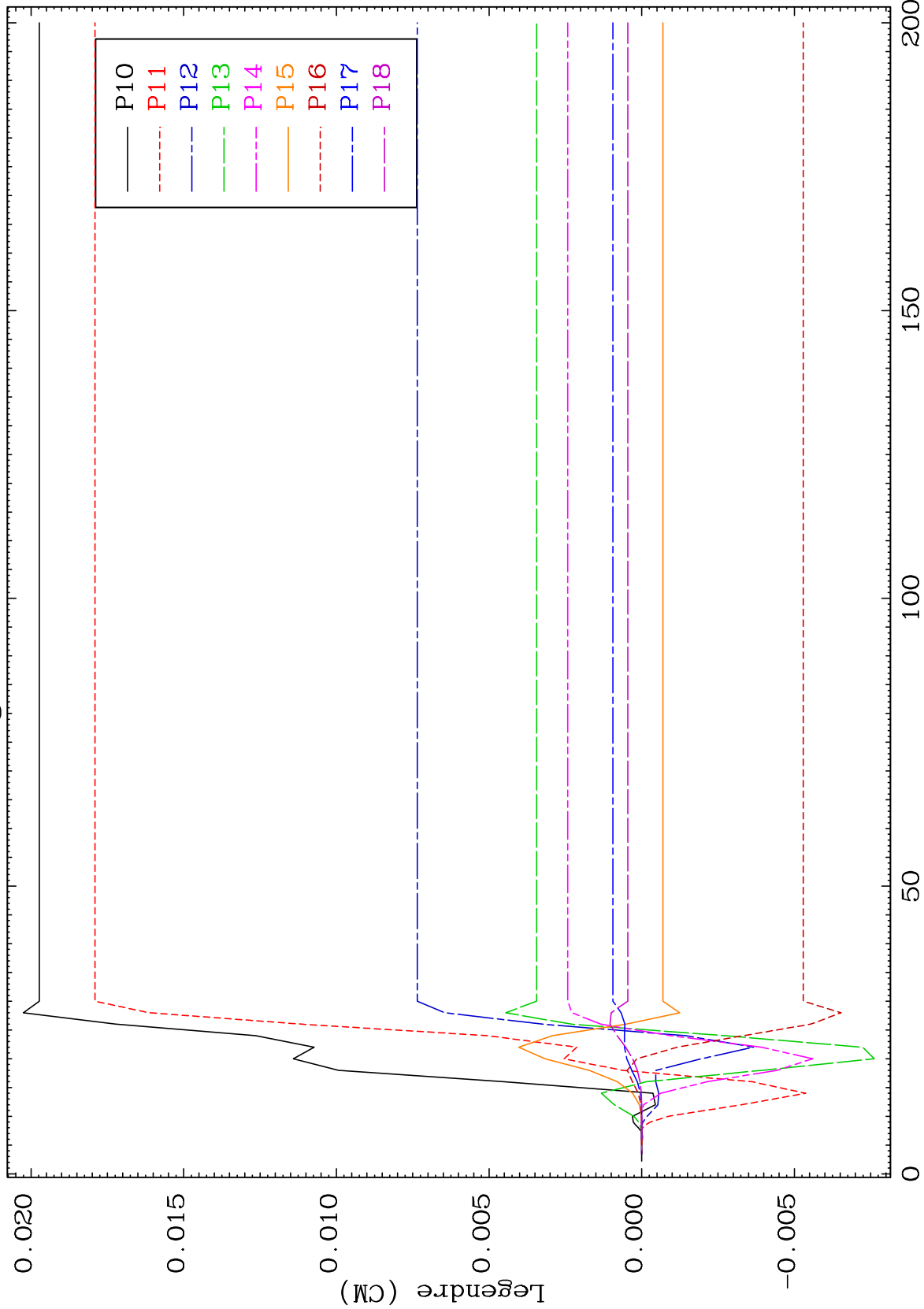
Incident Energy (MeV)

38

MAT 5637

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

56-Ba-134



39

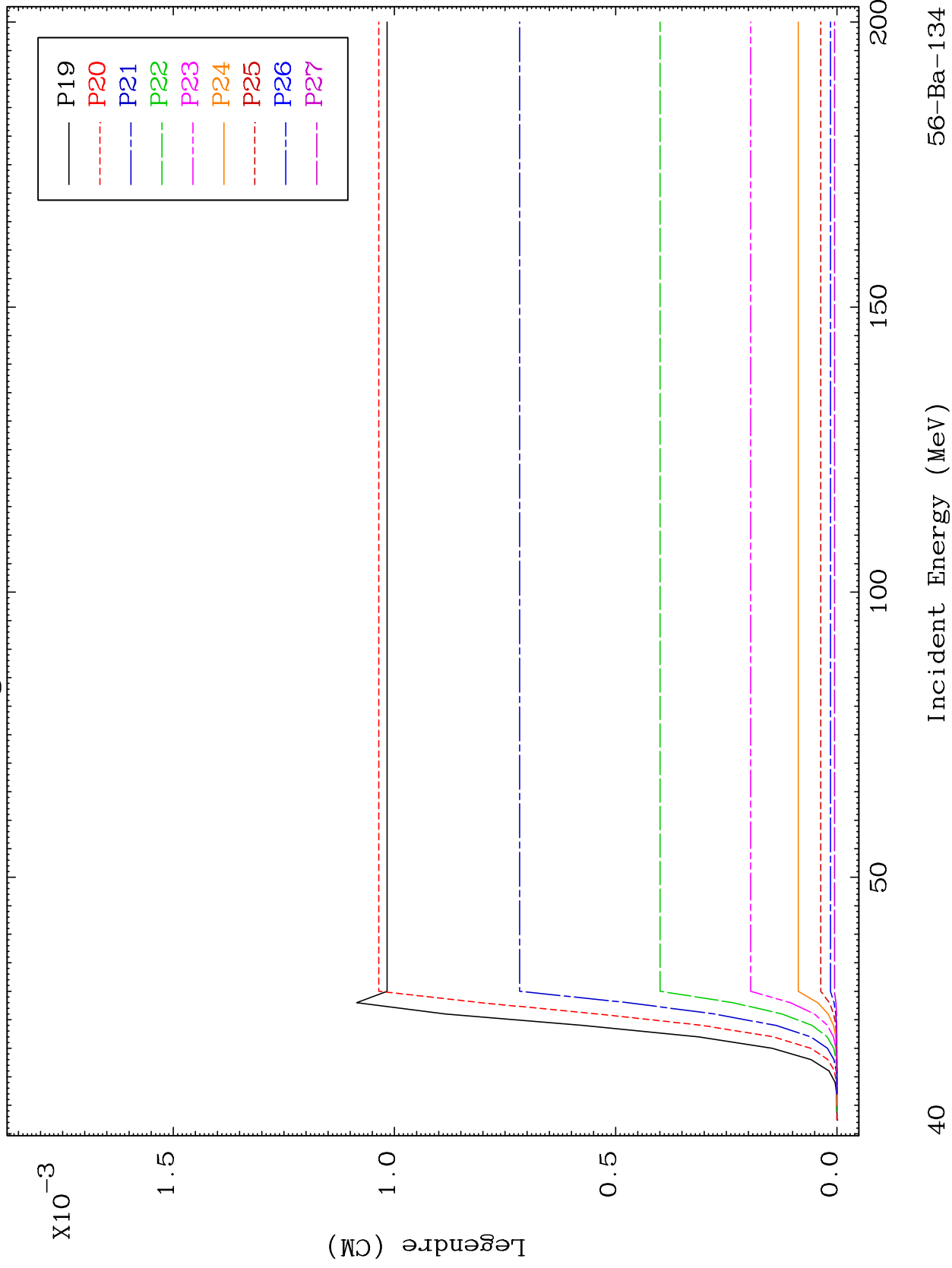
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

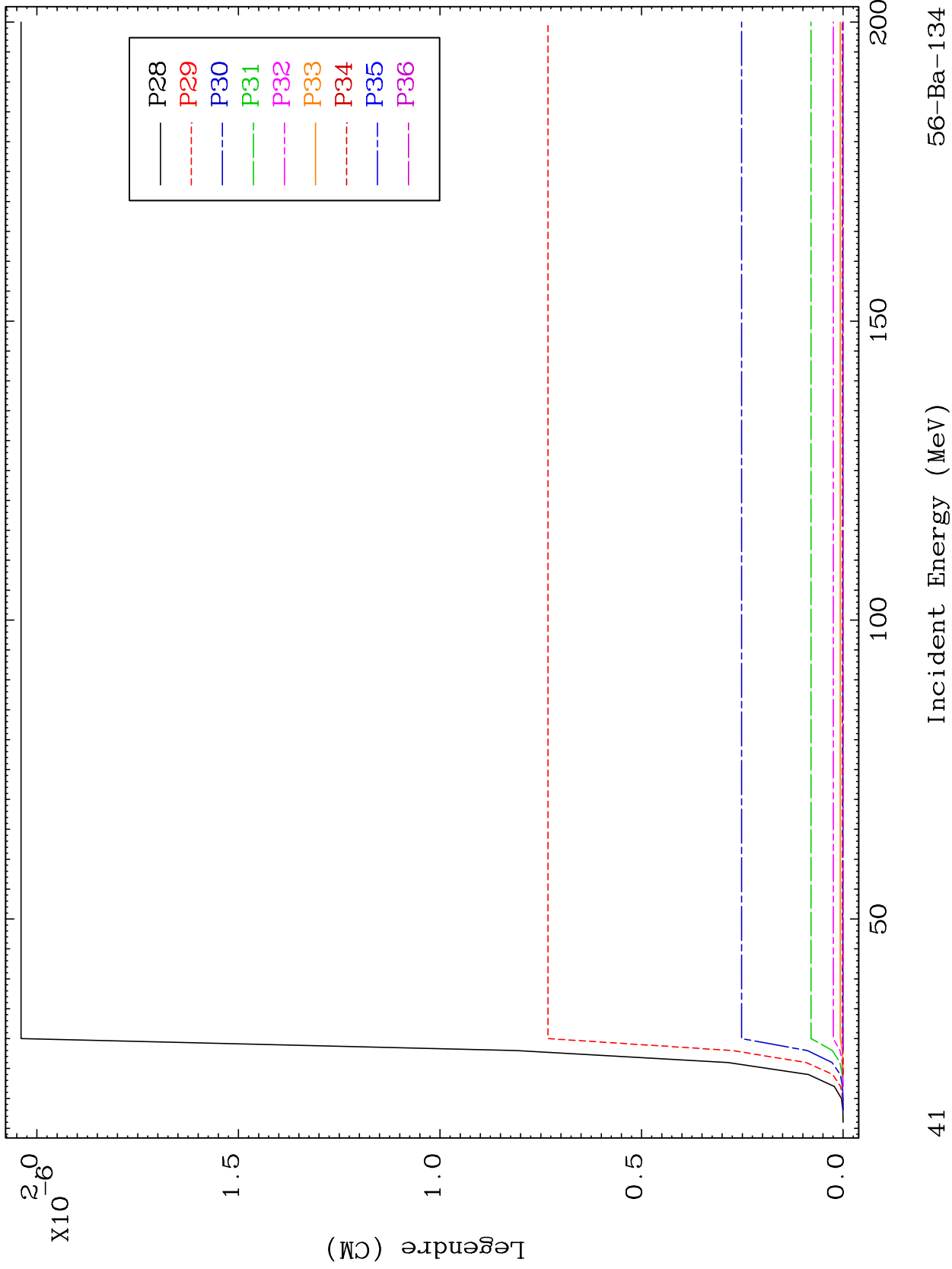
56-Ba-134



MAT 5637

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

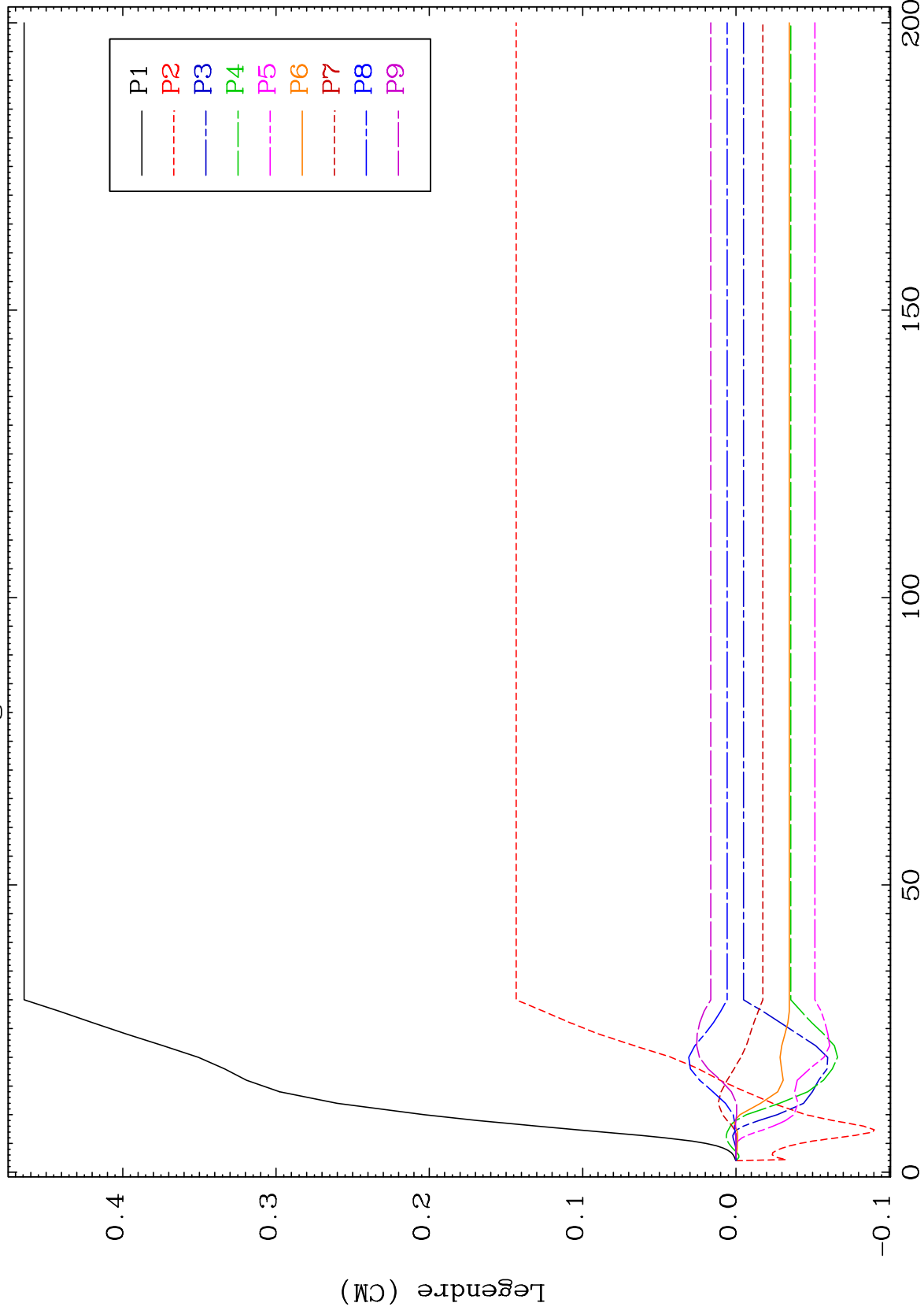
56-Ba-134



MAT 5637

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

56-Ba-134



42

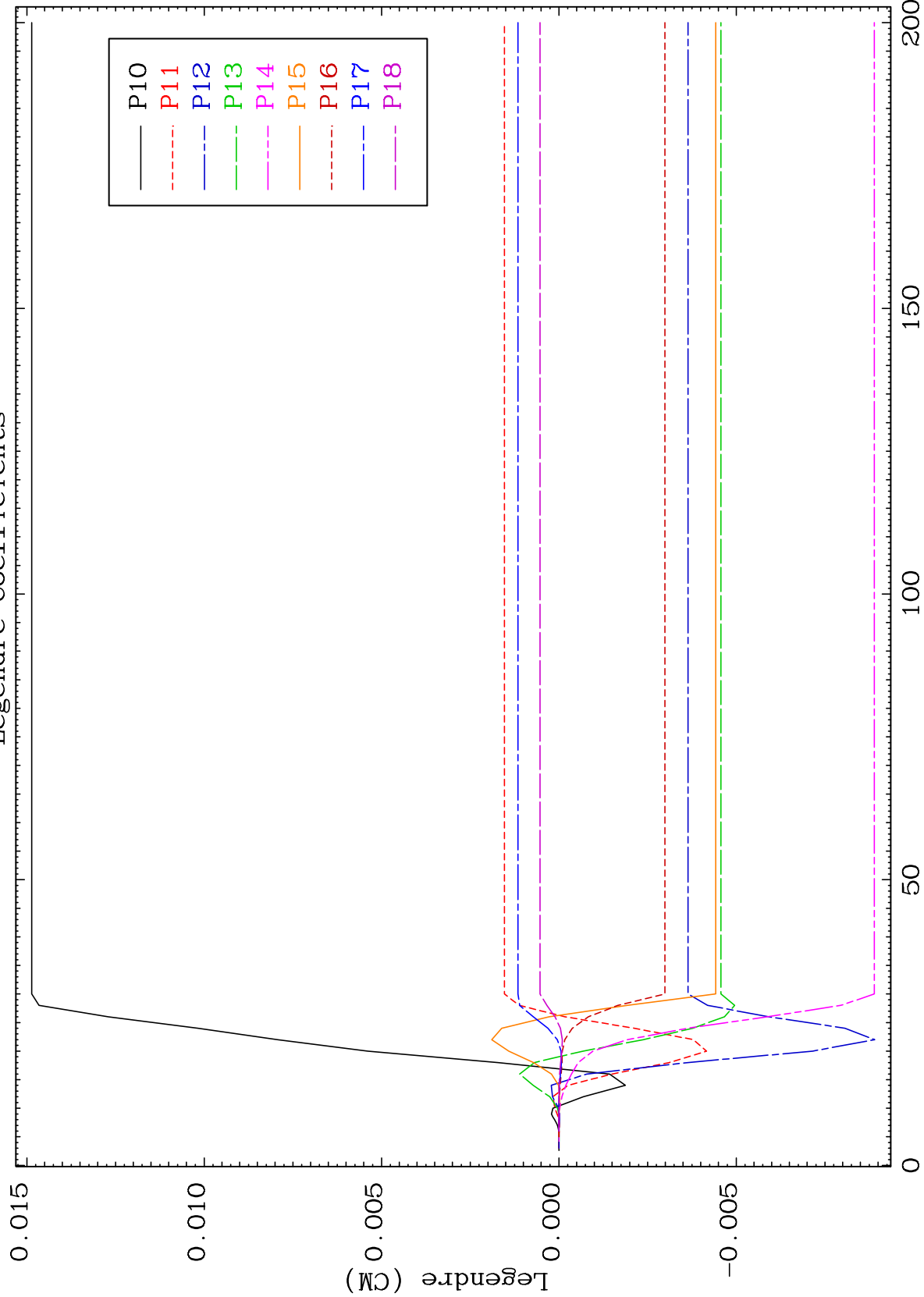
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



43

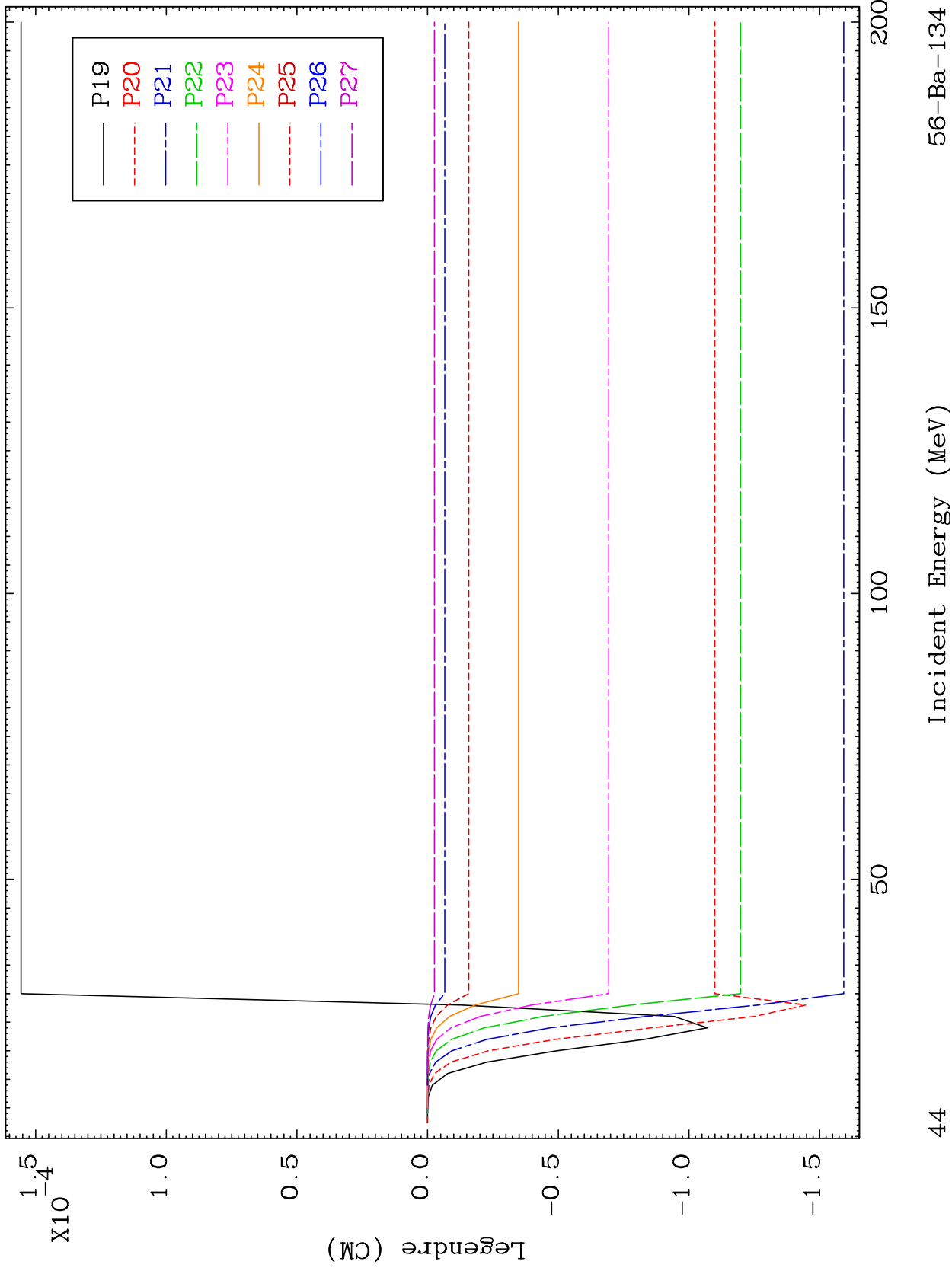
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

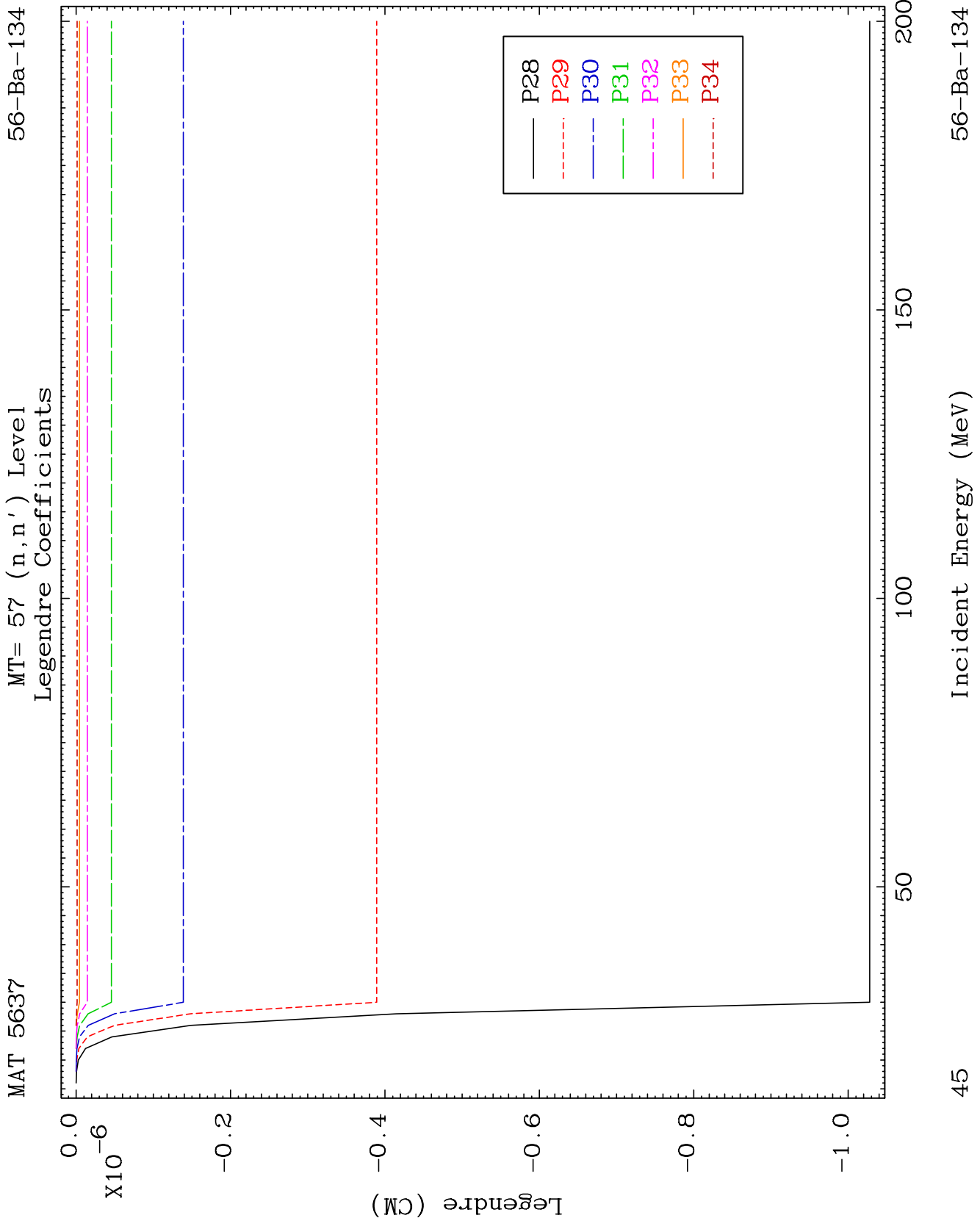
56-Ba-134



44

56-Ba-134

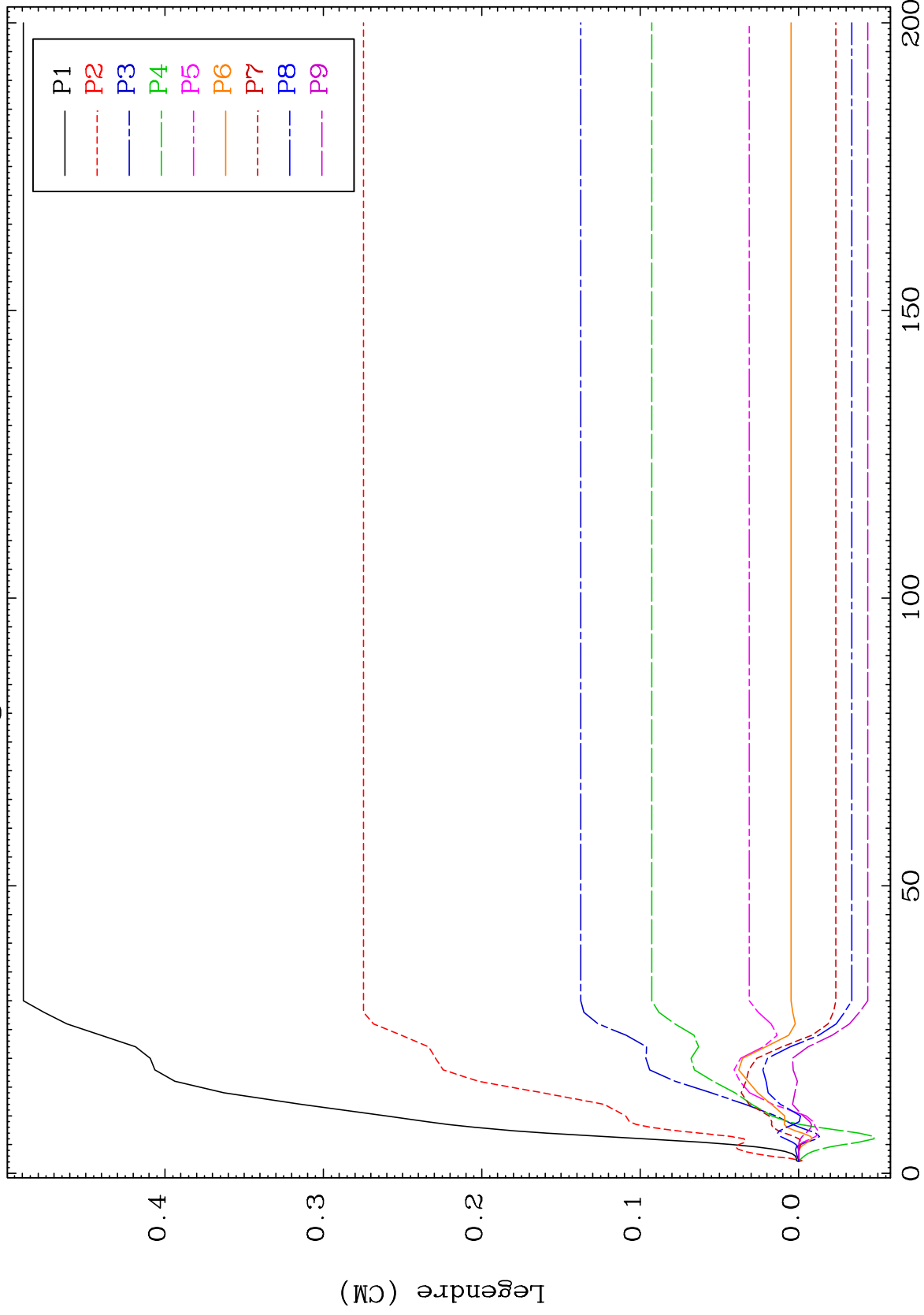
56-Ba-134



MAT 5637

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

56-Ba-134



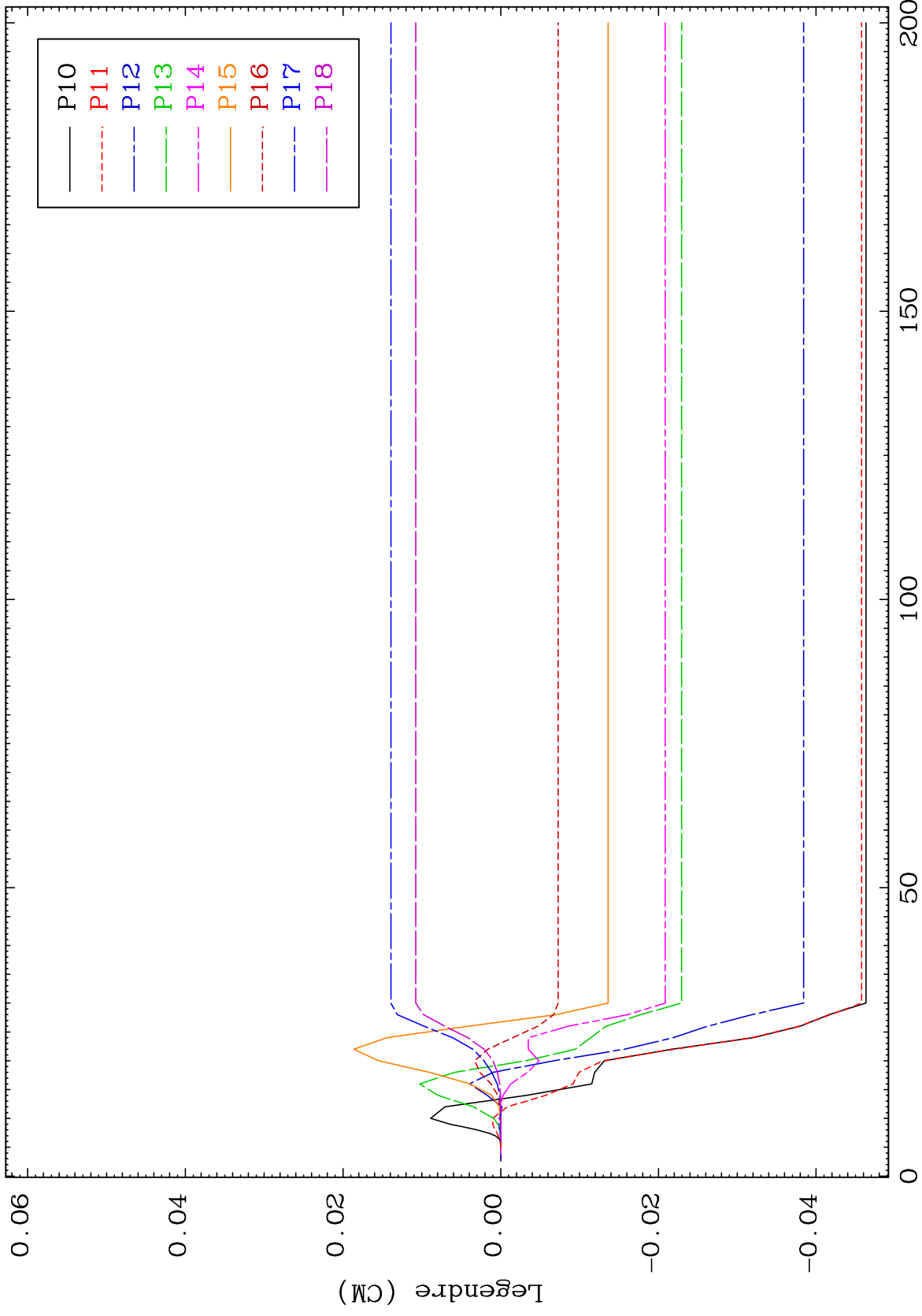
46

56-Ba-134

MAT 5637

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

56-Ba-134



47

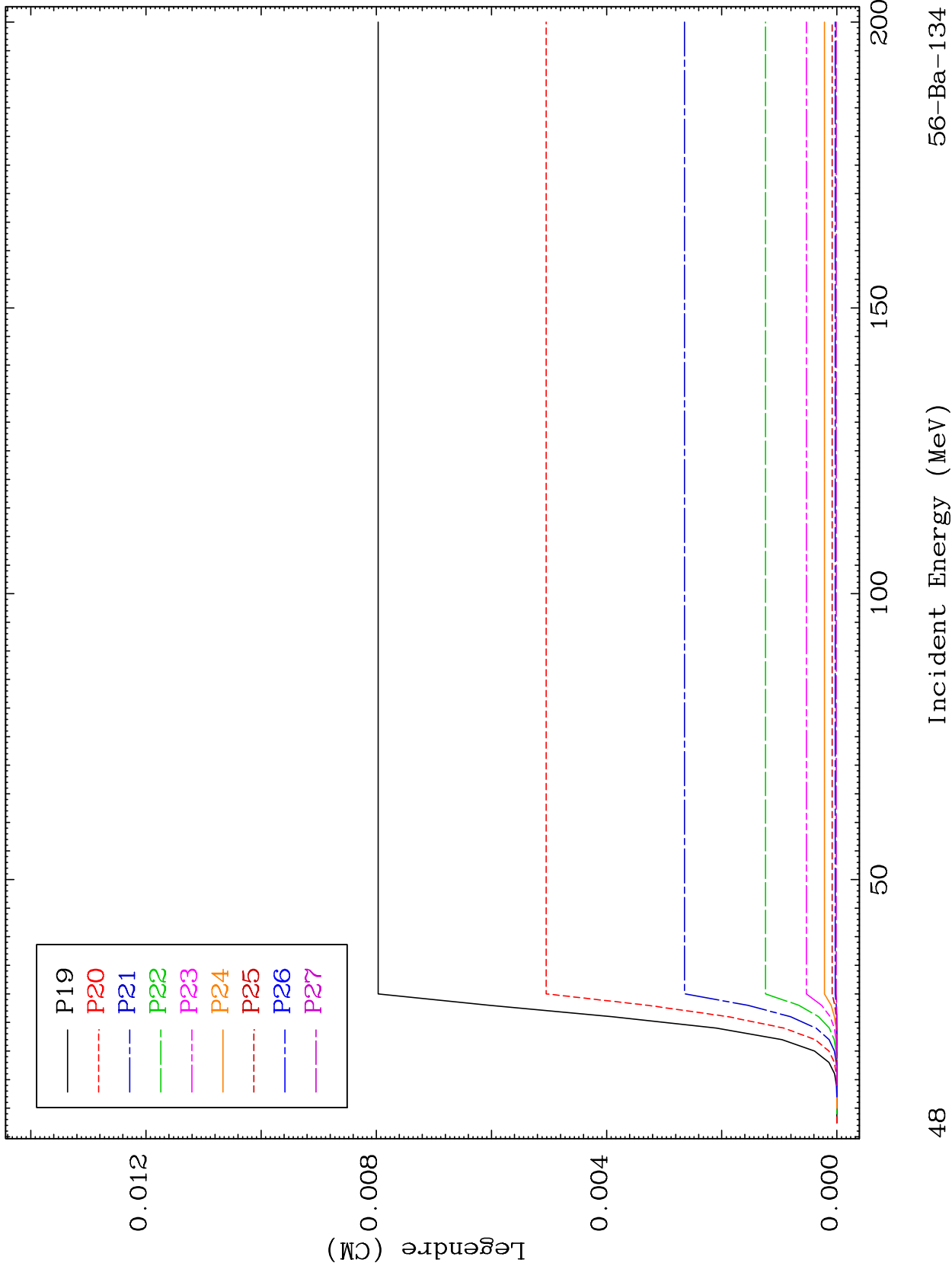
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



48

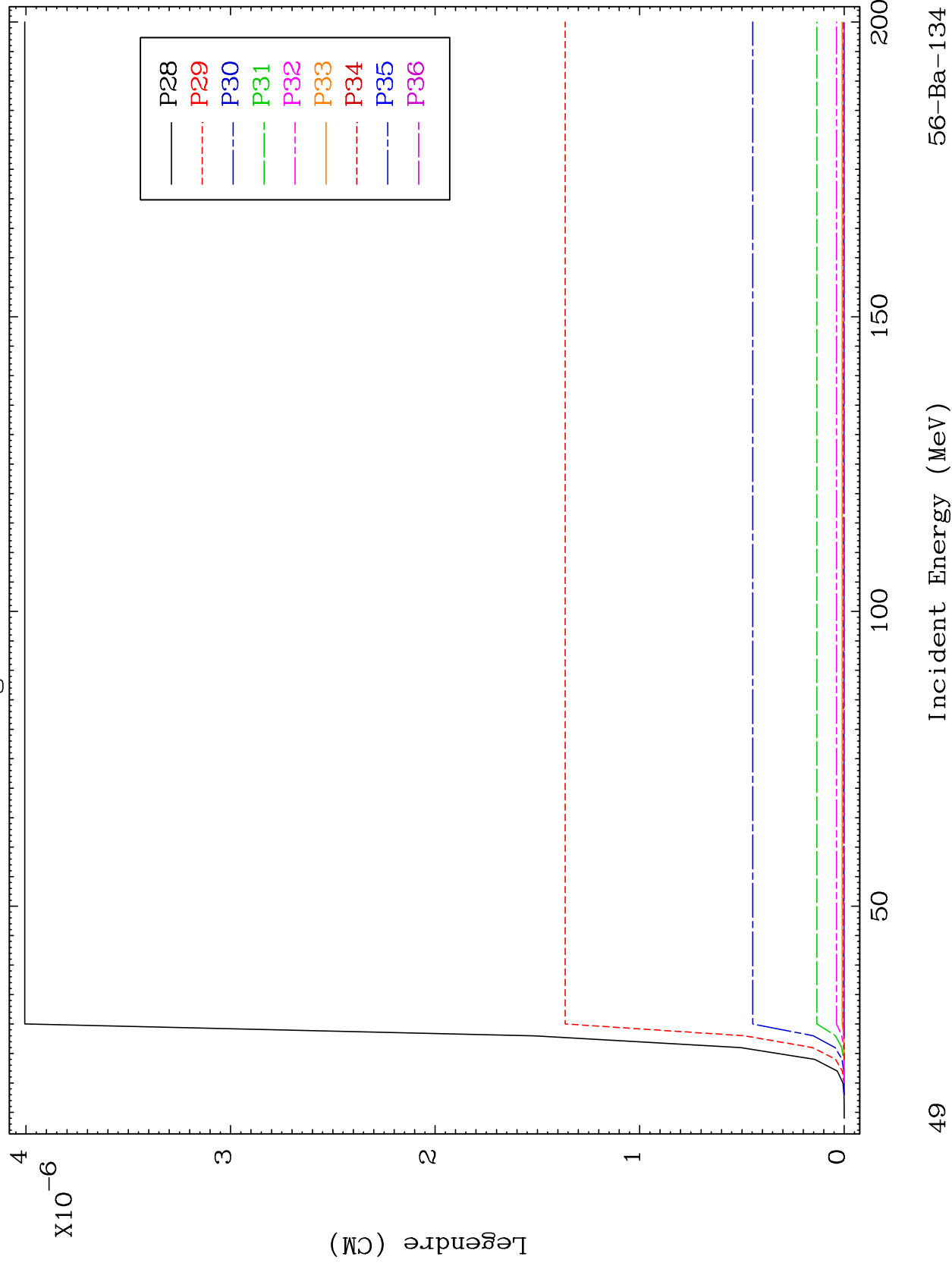
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



49

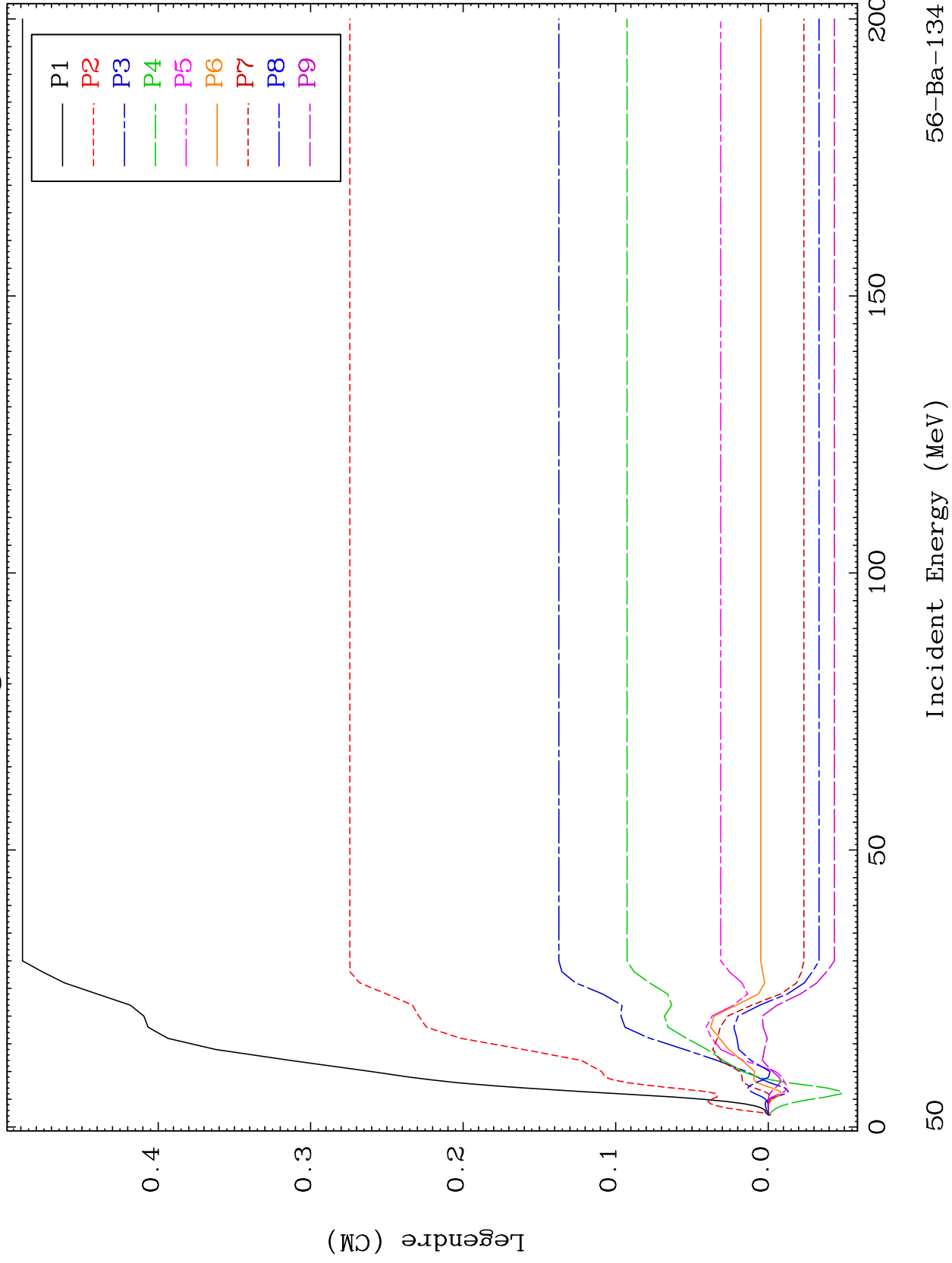
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



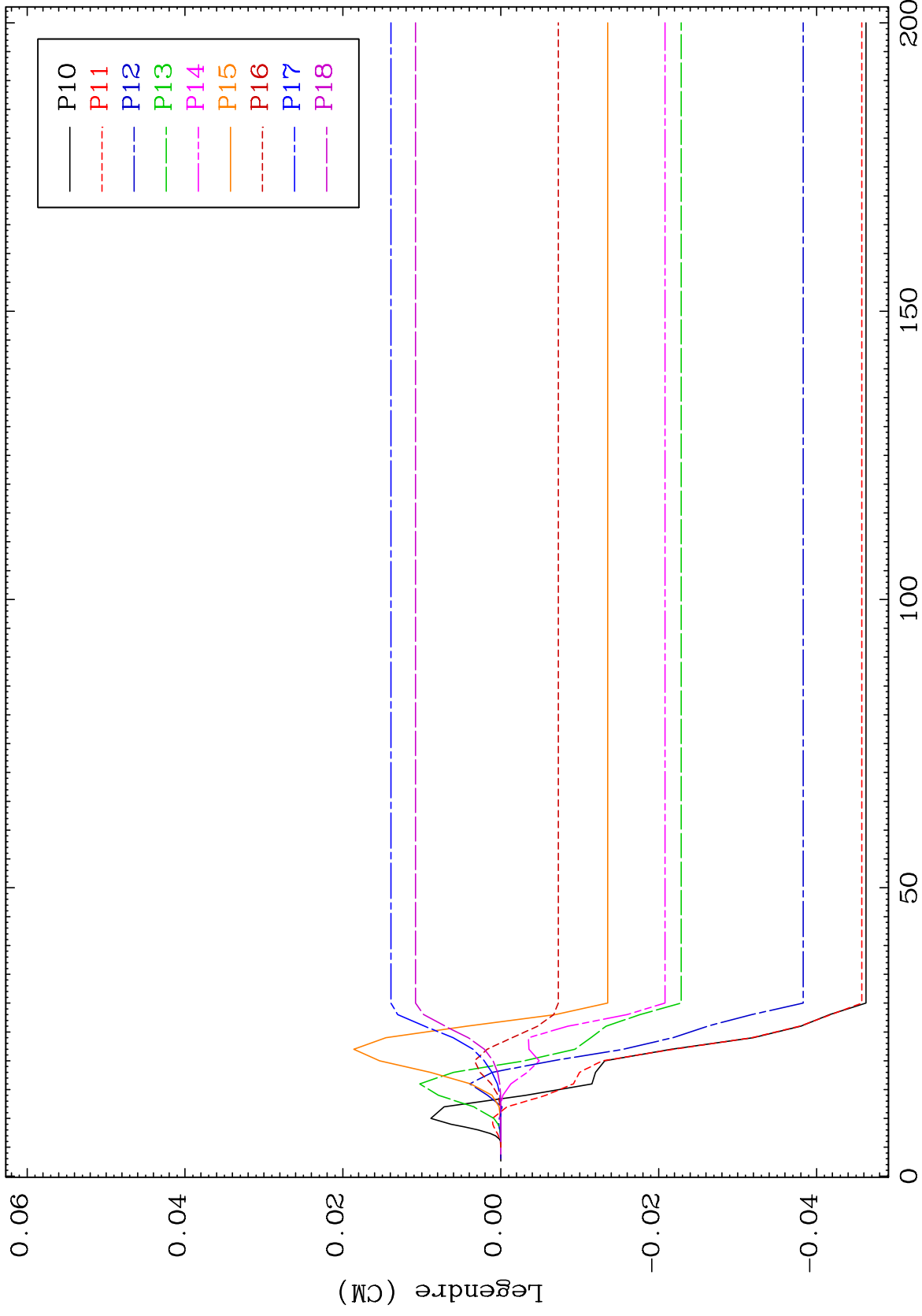
56-Ba-134

Incident Energy (MeV)

MAT 5637

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

56-Ba-134



51

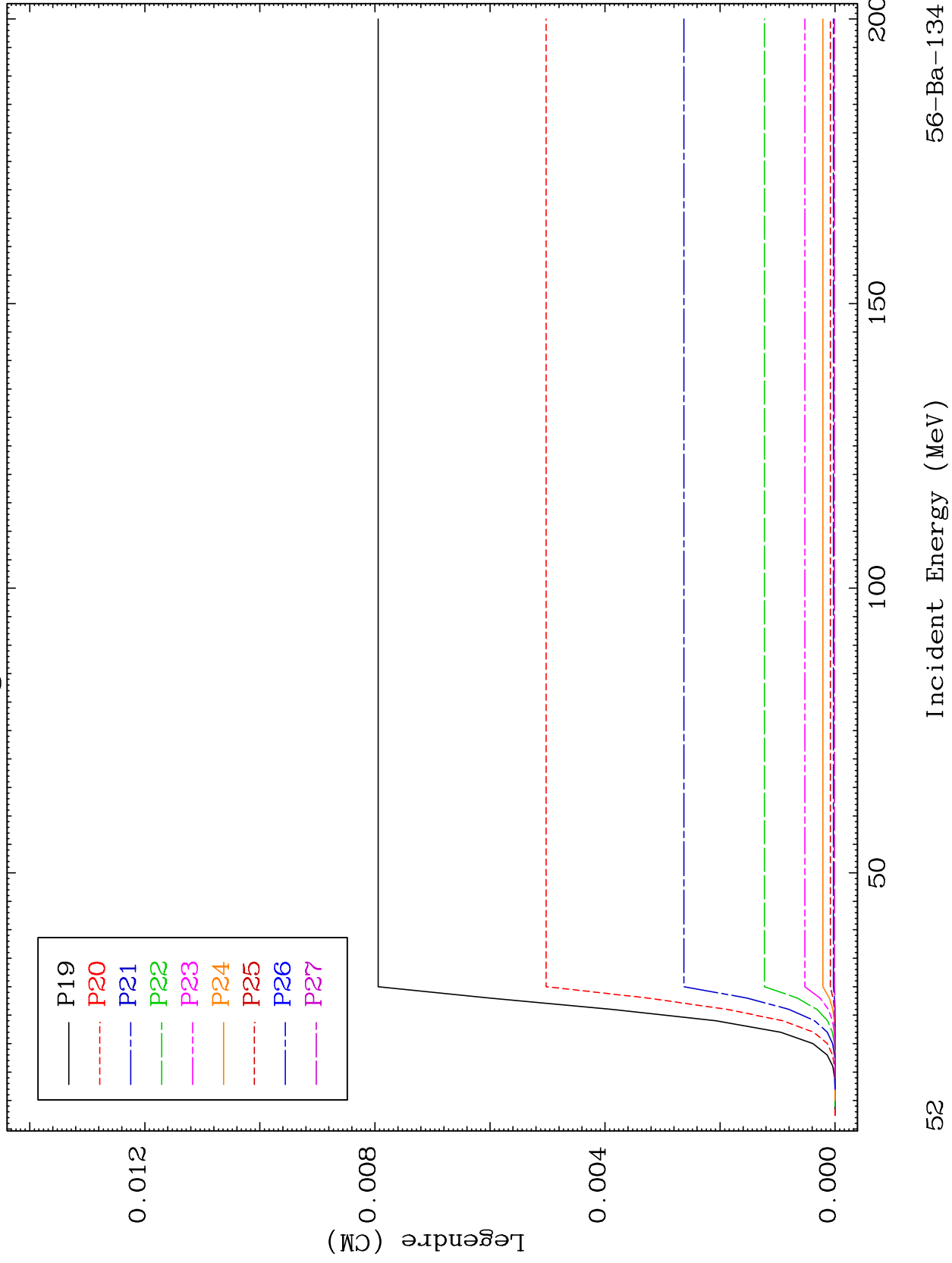
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

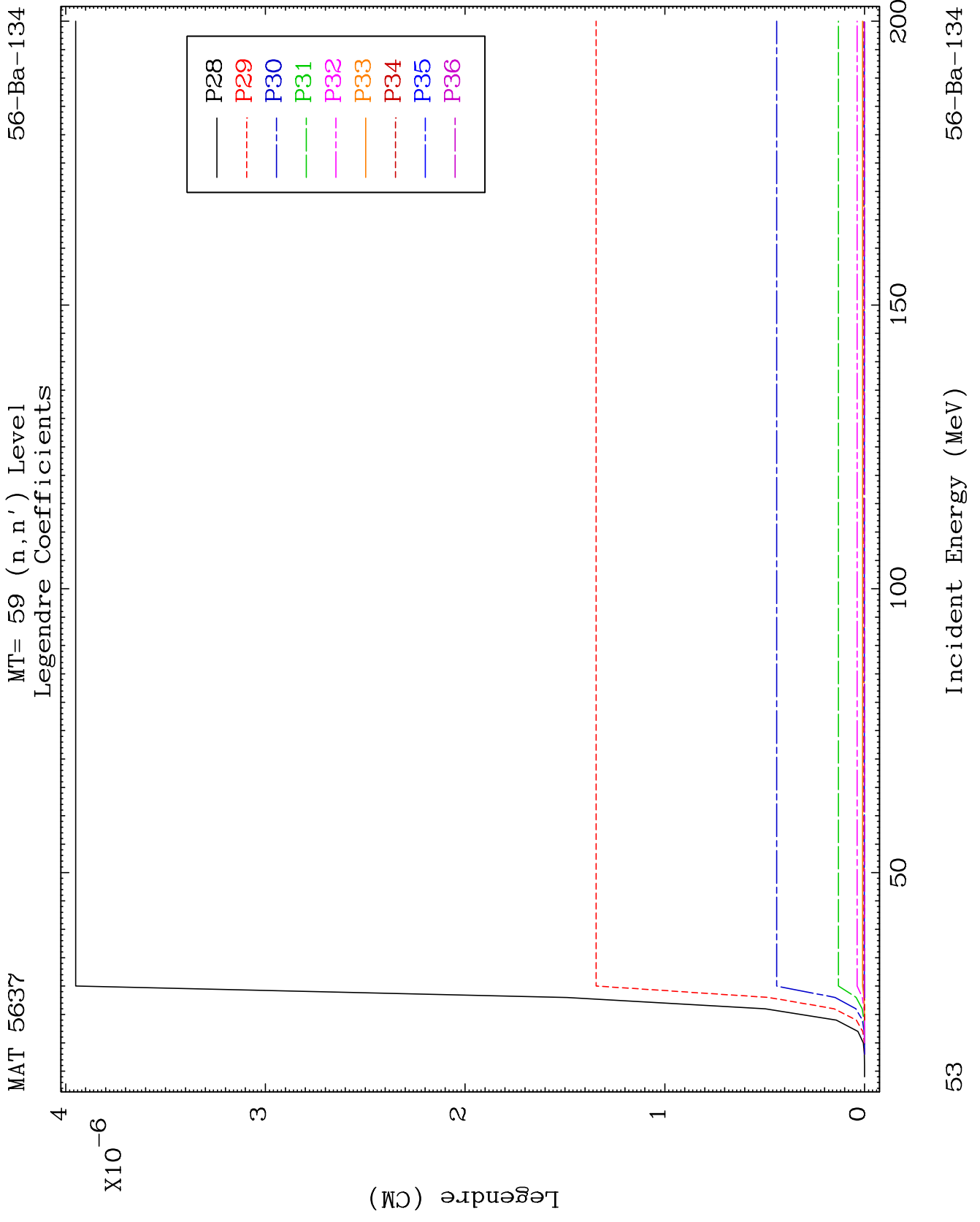
56-Ba-134



52

Incident Energy (MeV)

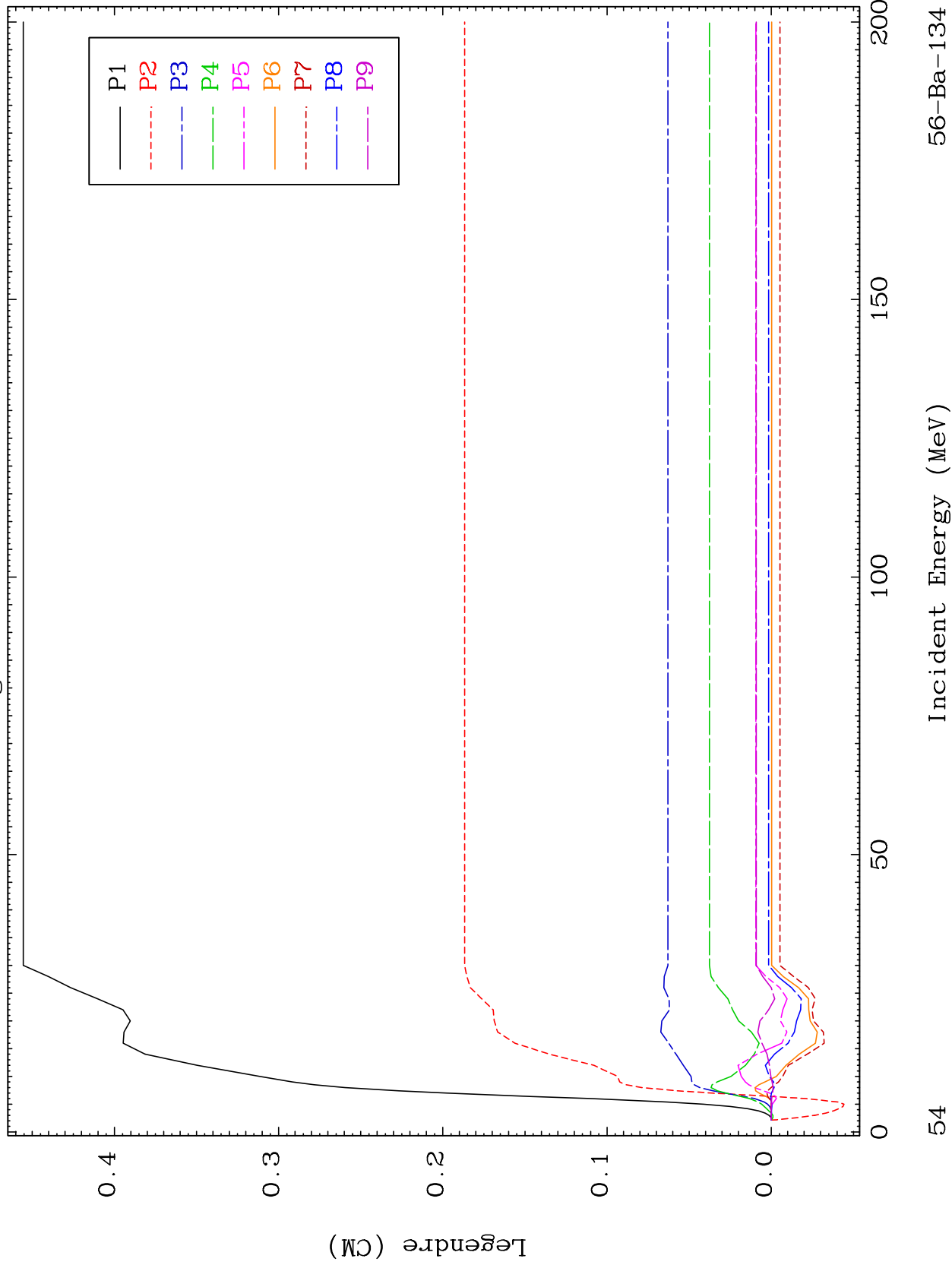
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

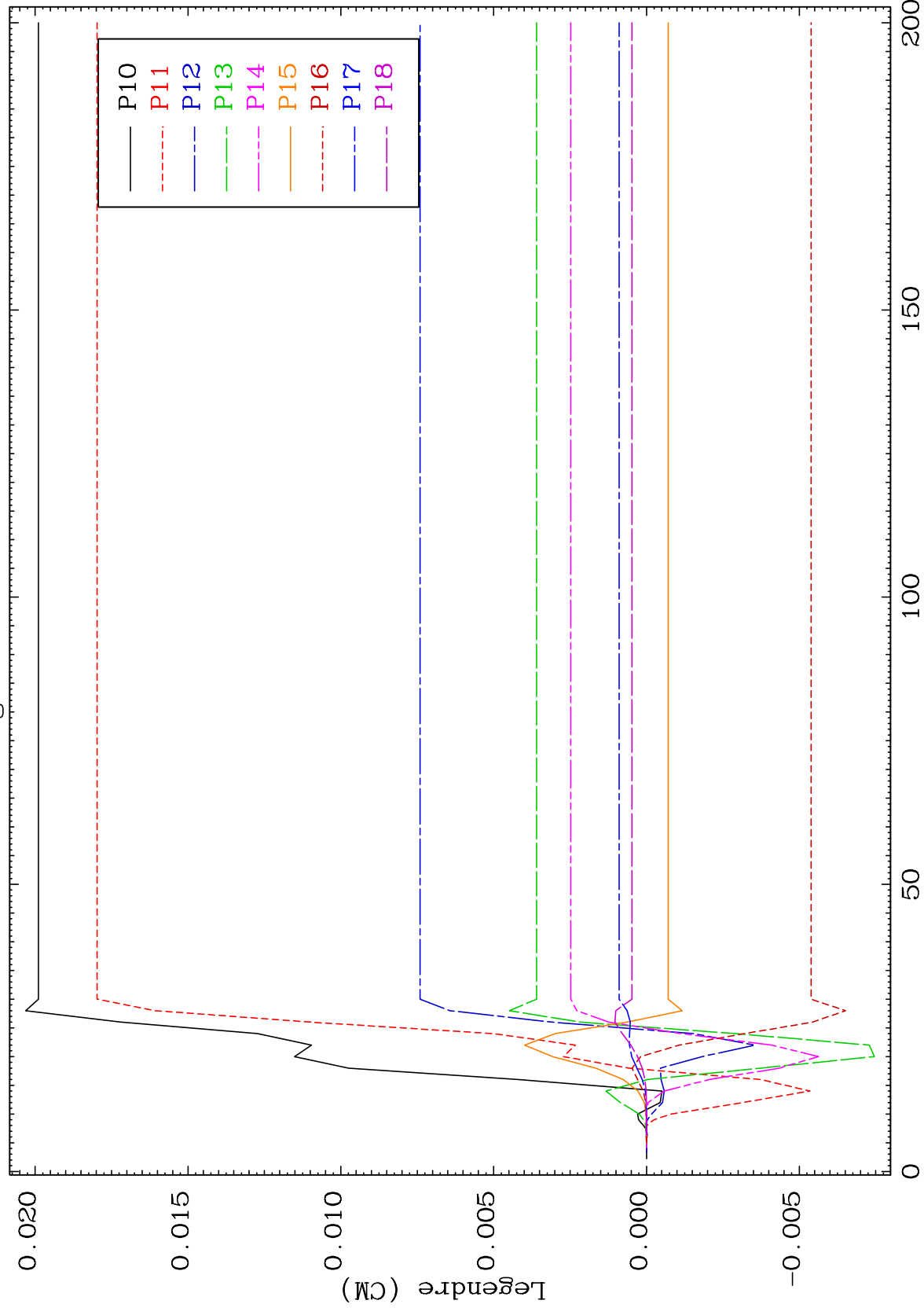
Incident Energy (MeV)

54

MAT 5637

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

56-Ba-134



55

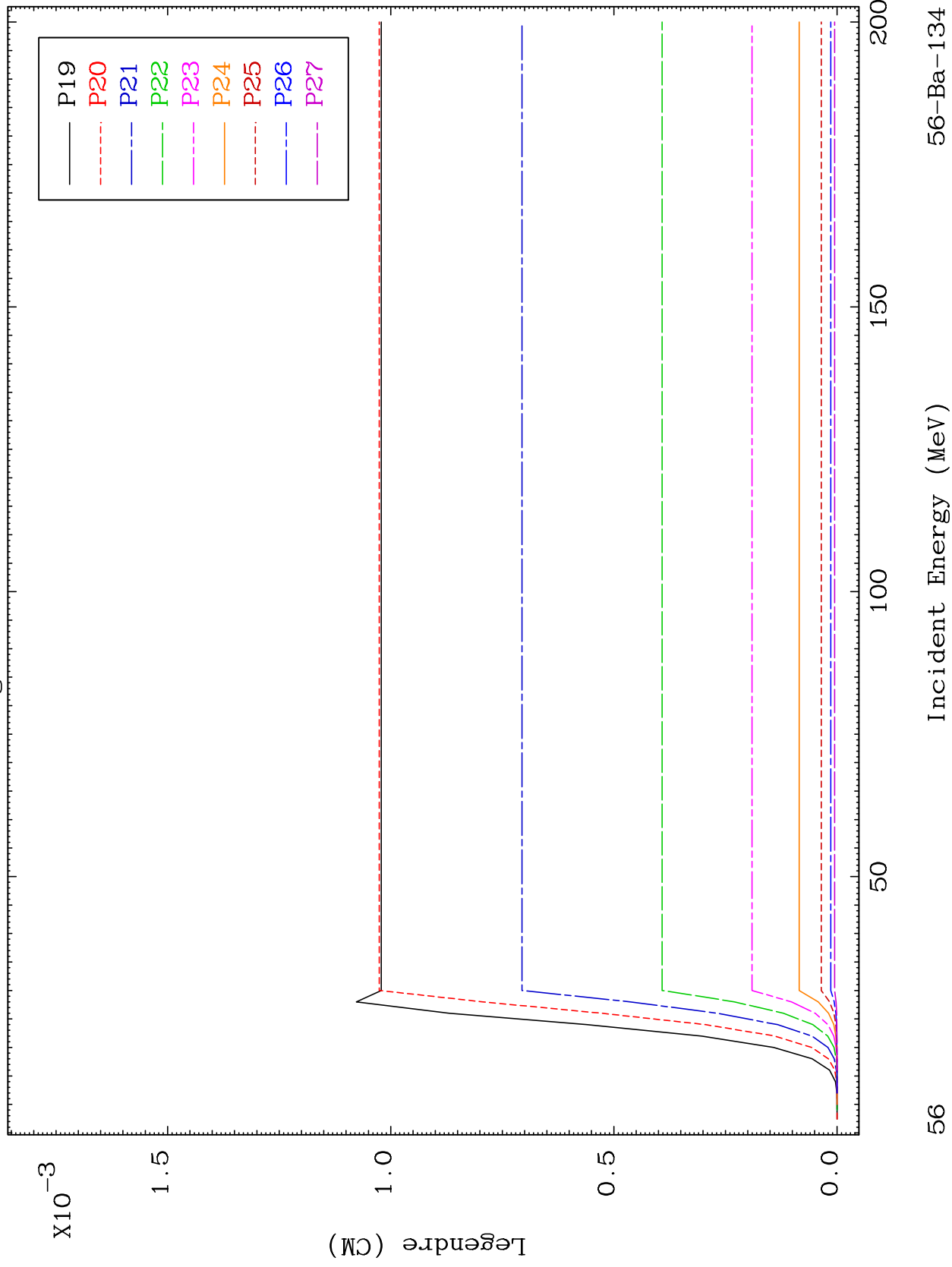
56-Ba-134

56-Ba-134

MAT 5637

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

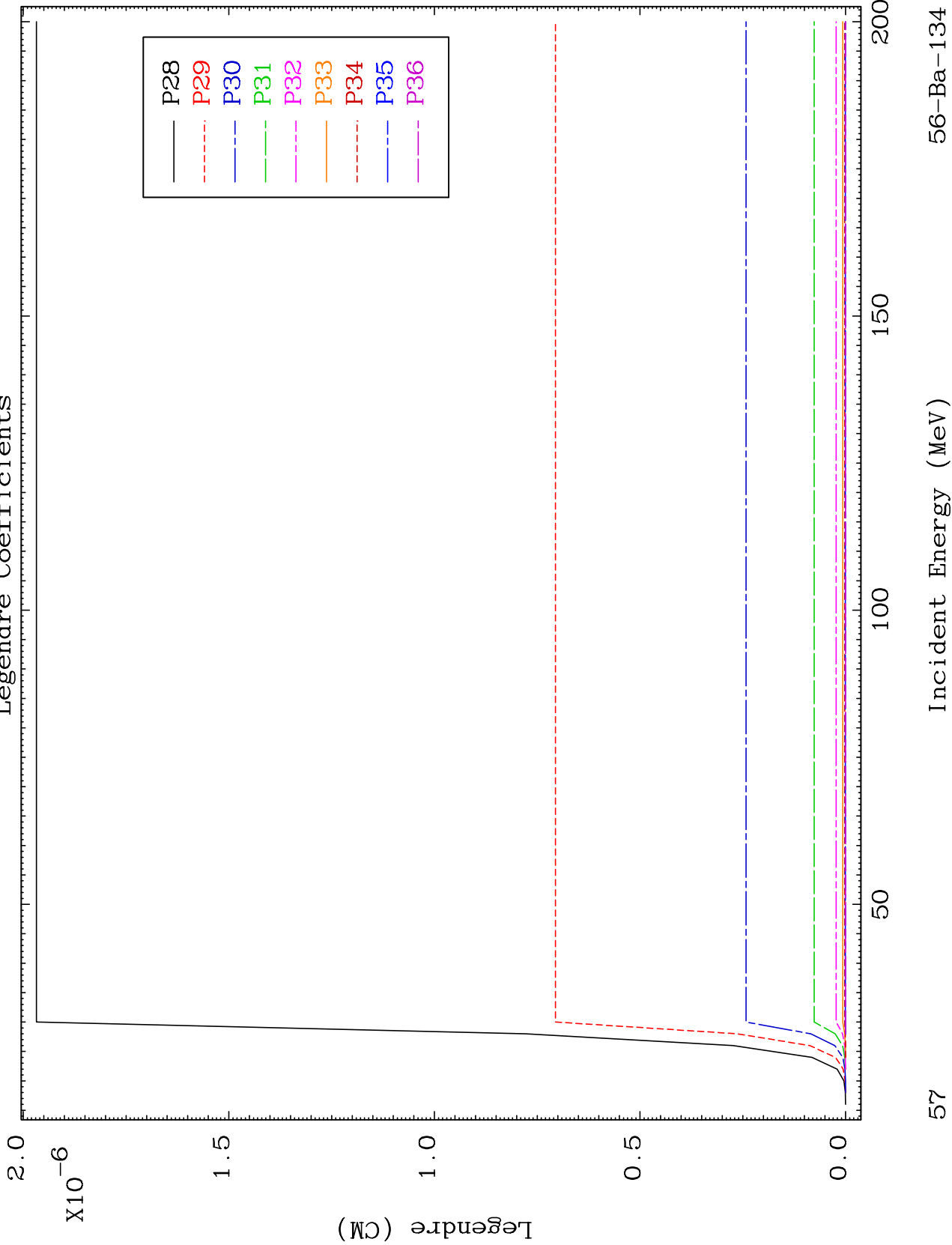
56-Ba-134



MAT 5637

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

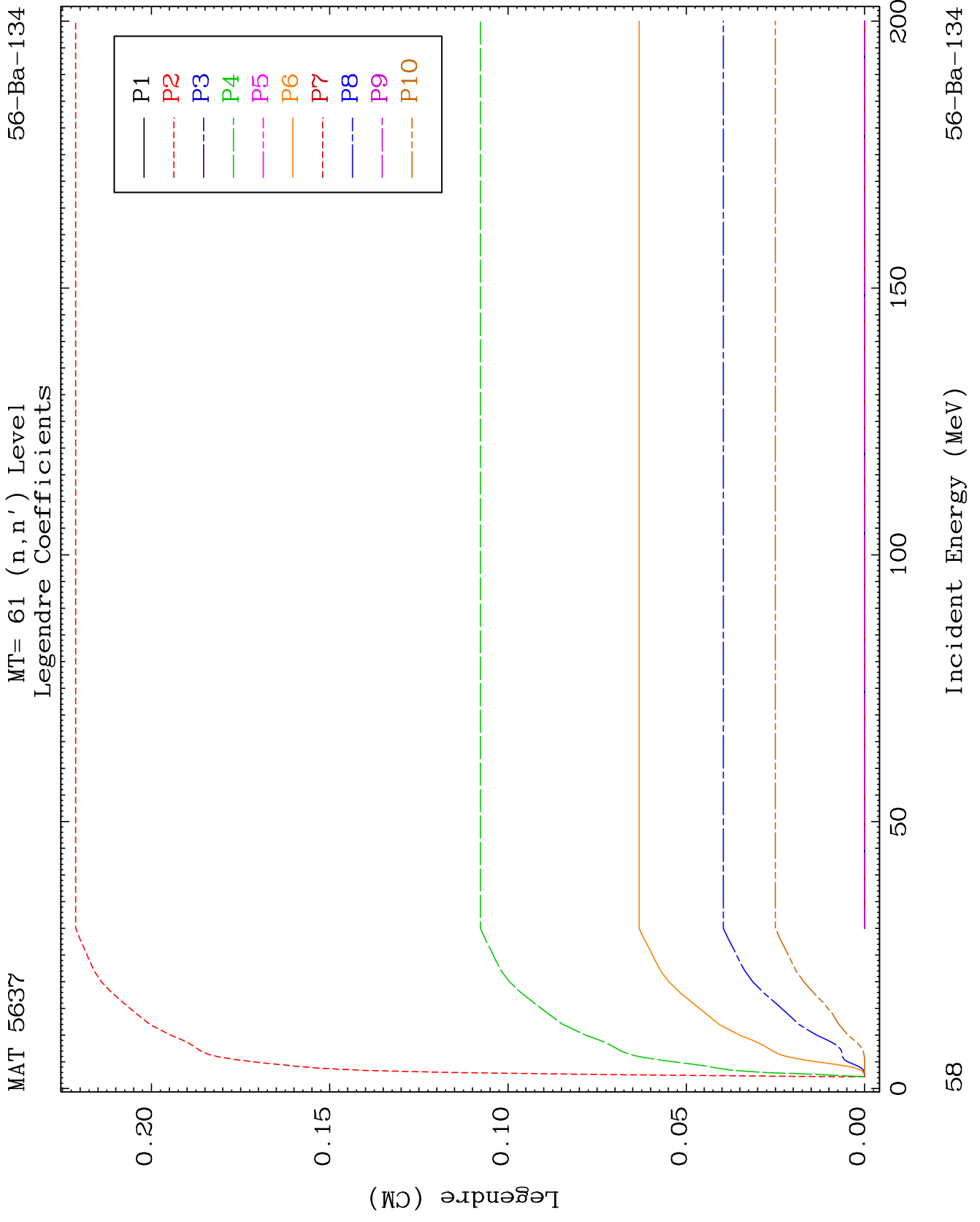
56-Ba-134

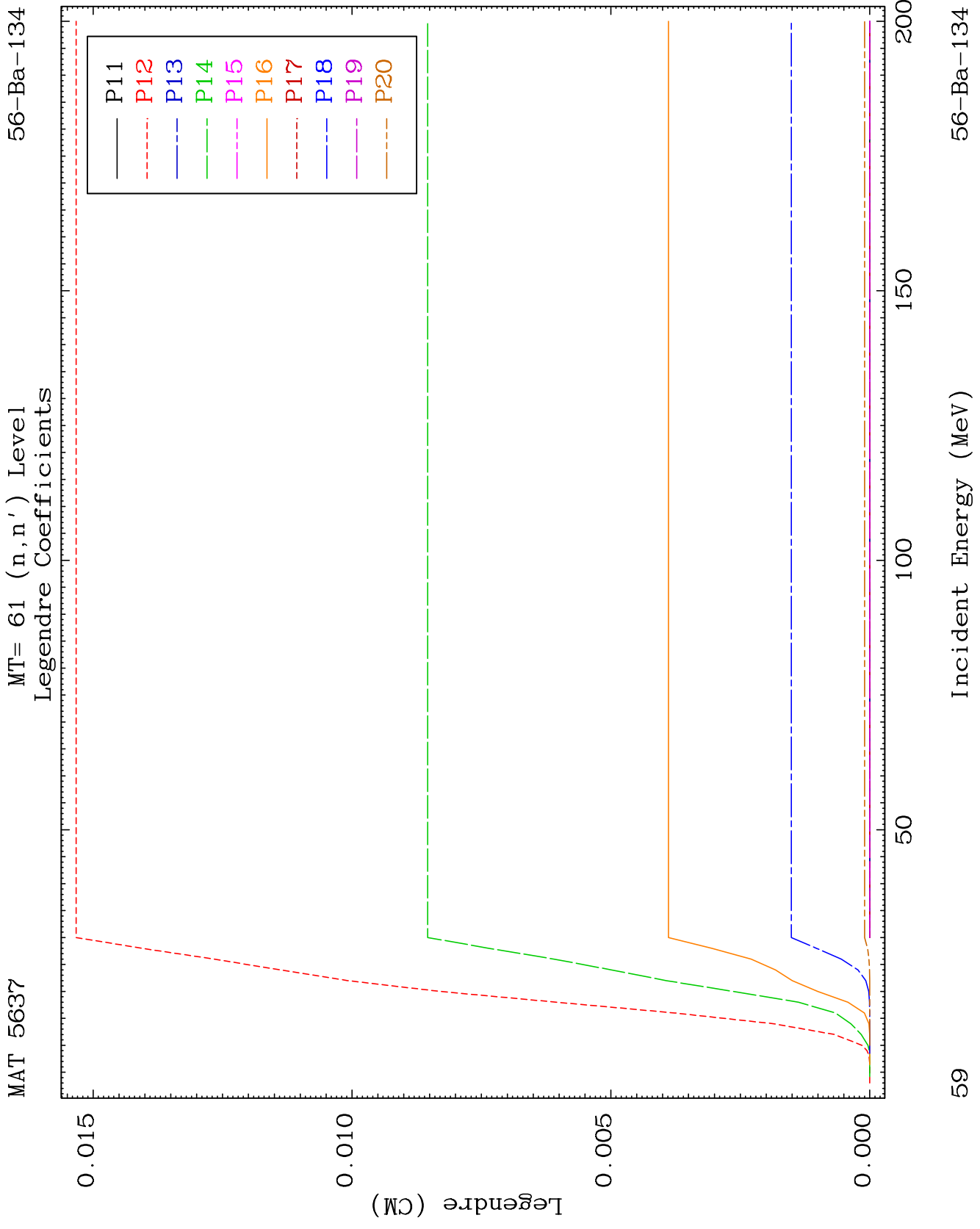


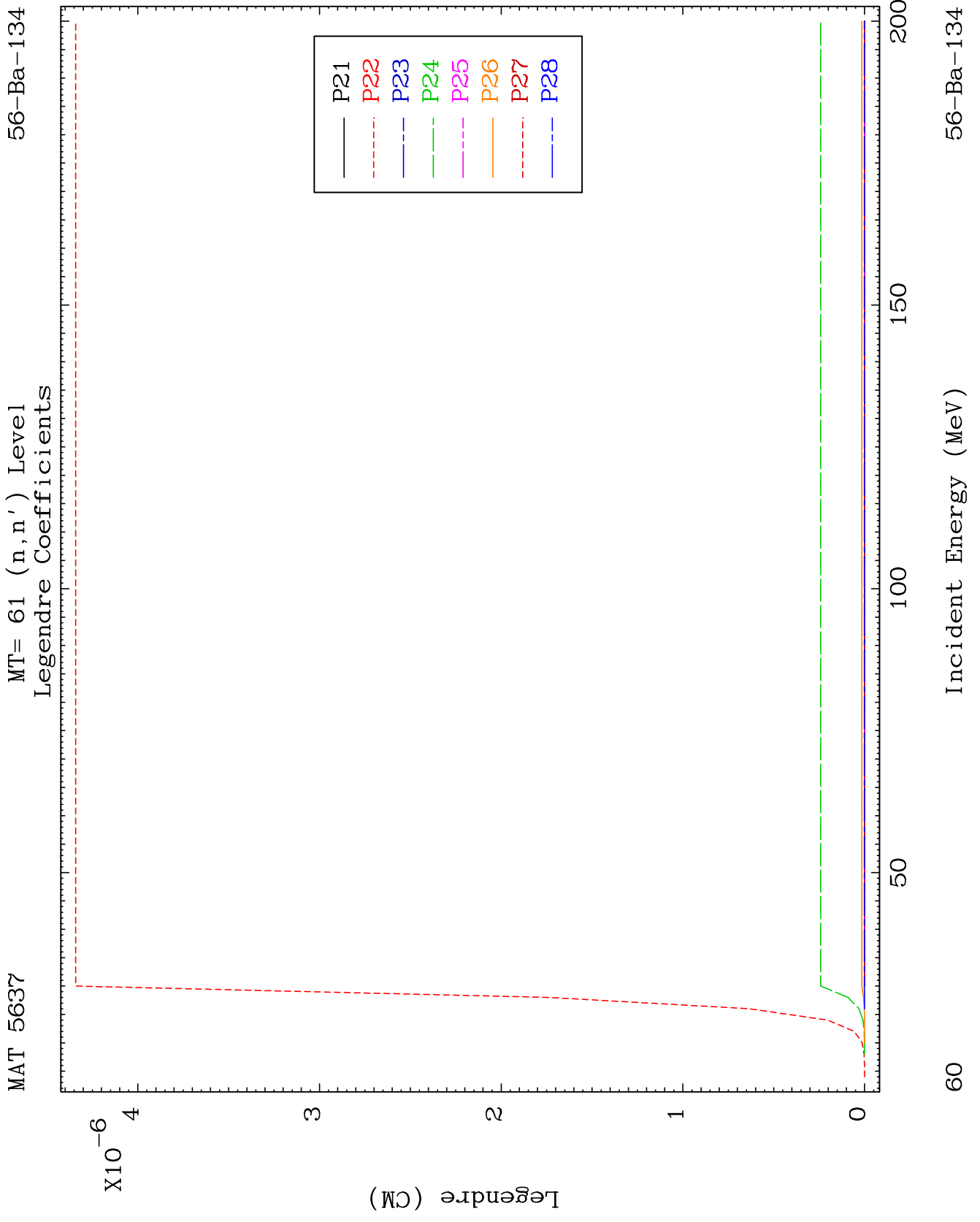
57

Incident Energy (MeV)

56-Ba-134



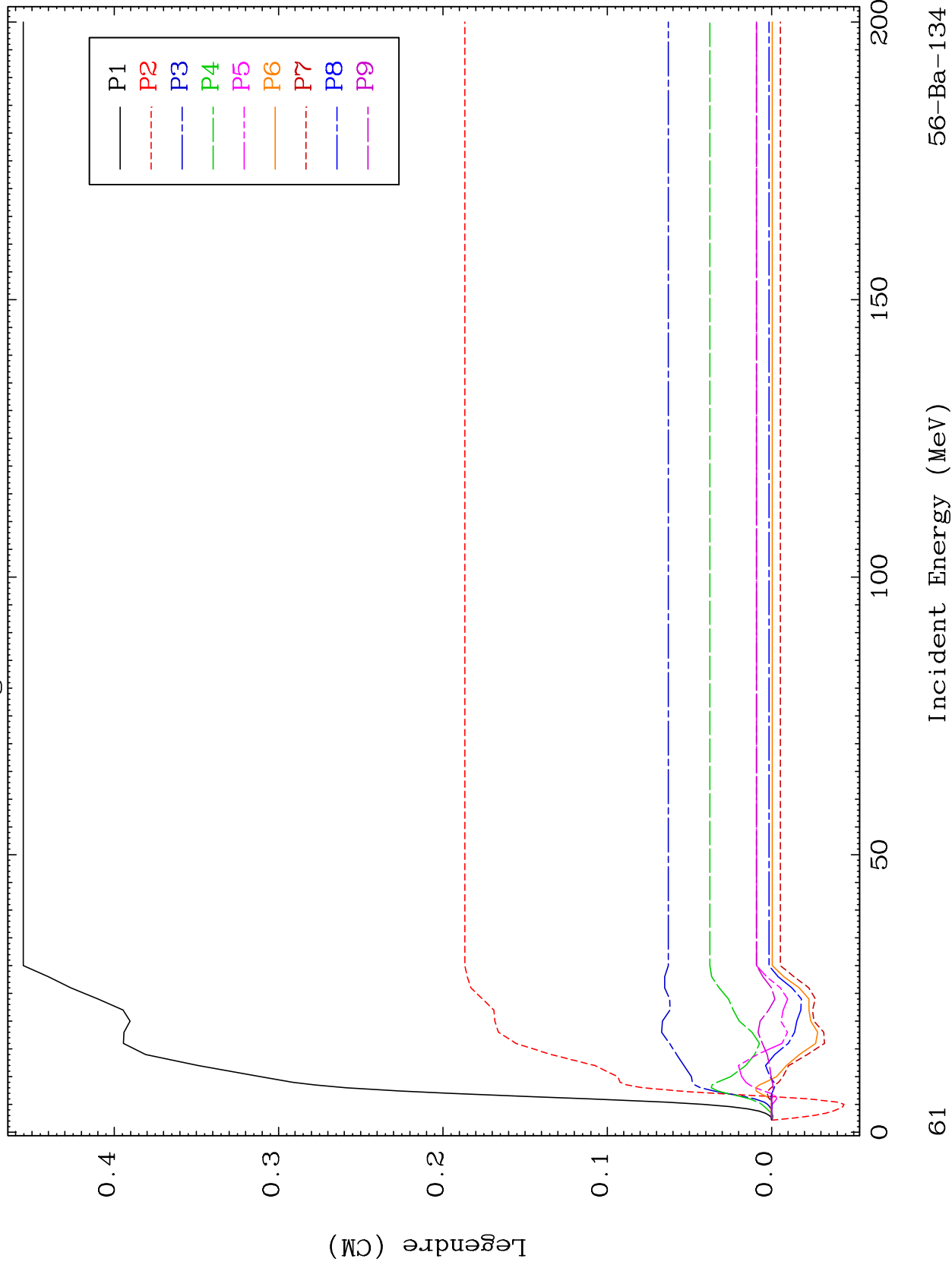




MAT 5637

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

56-Ba-134



56-Ba-134

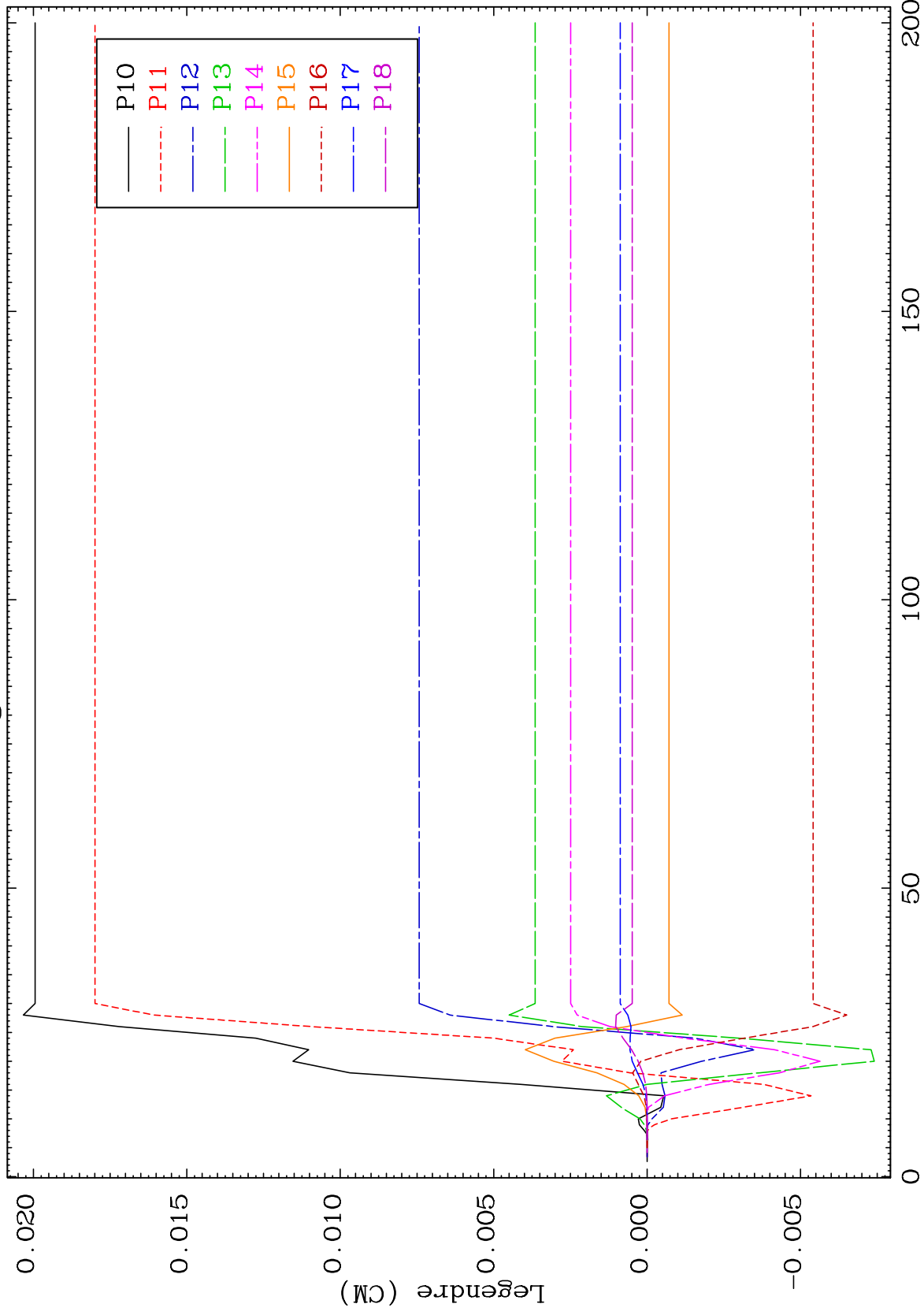
Incident Energy (MeV)

61

MAT 5637

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

56-Ba-134



62

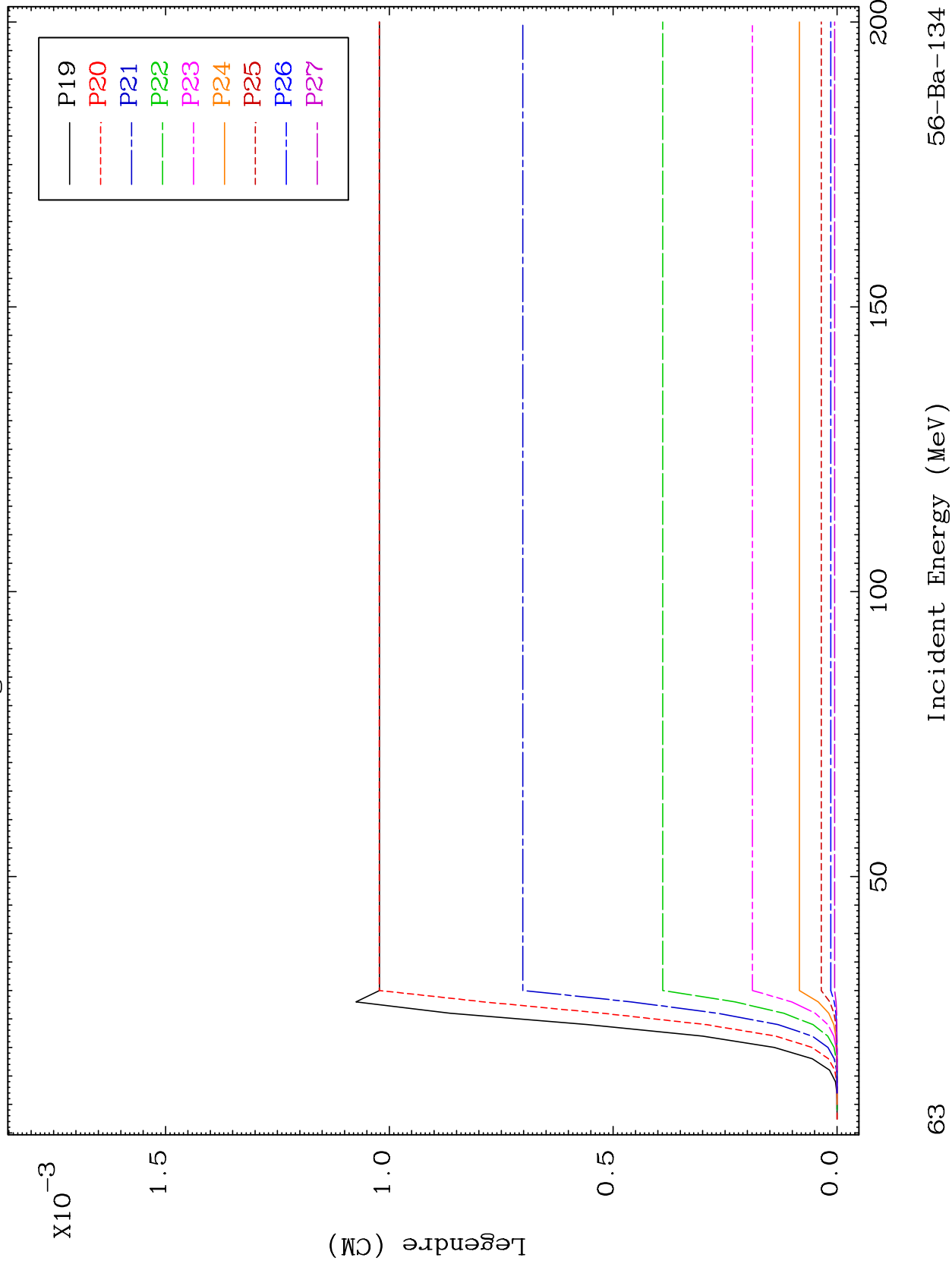
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



63

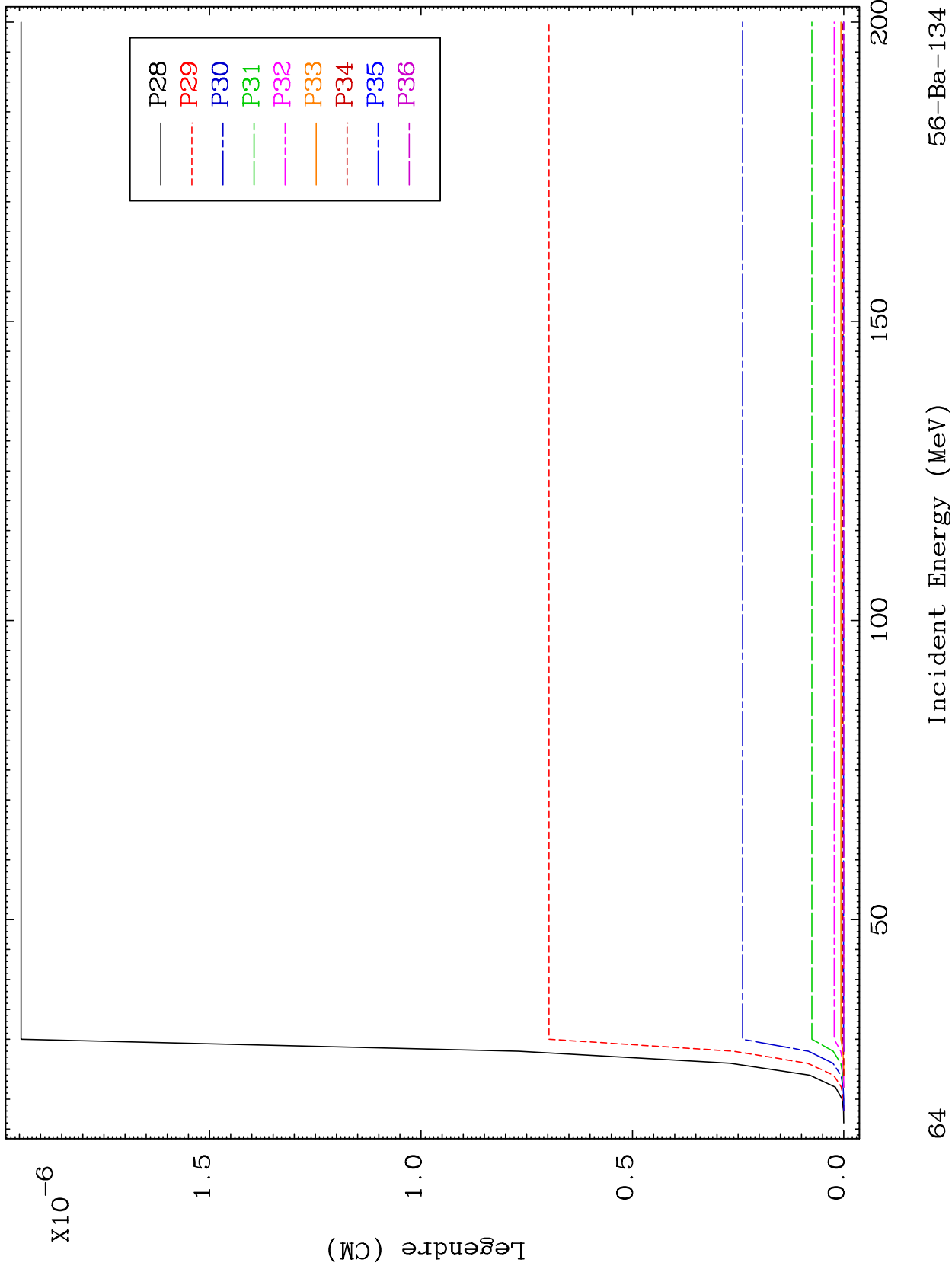
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



64

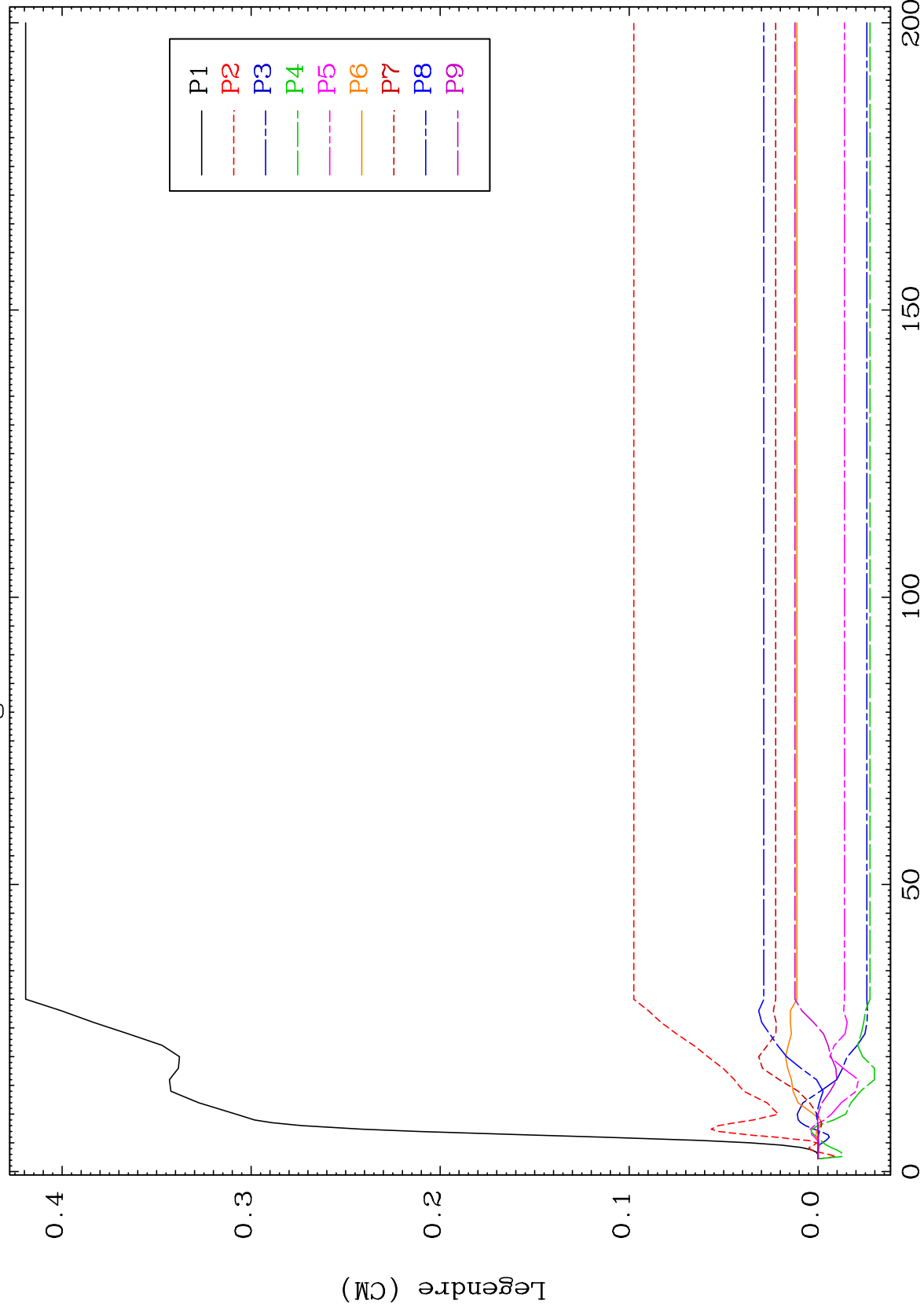
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



65

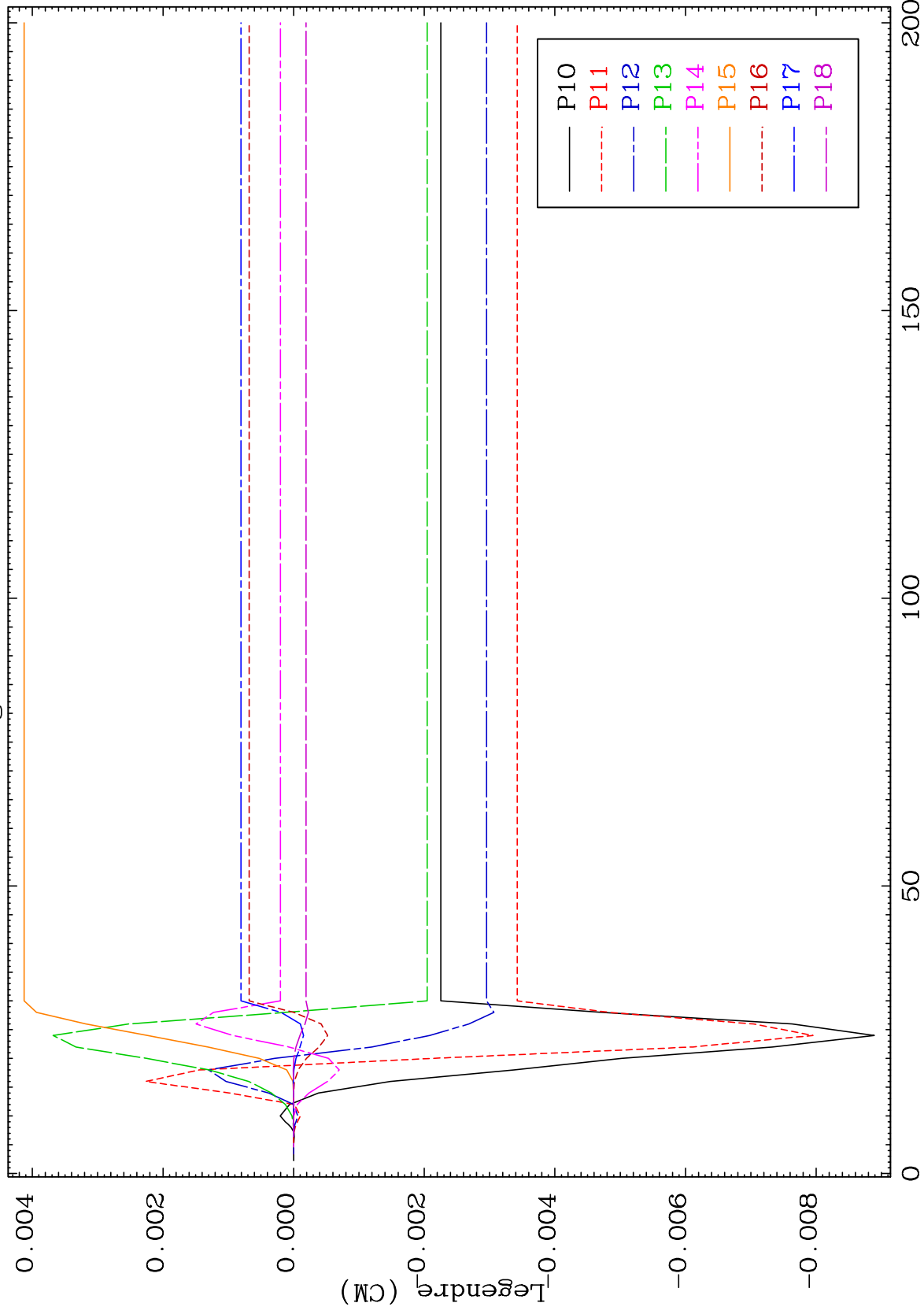
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

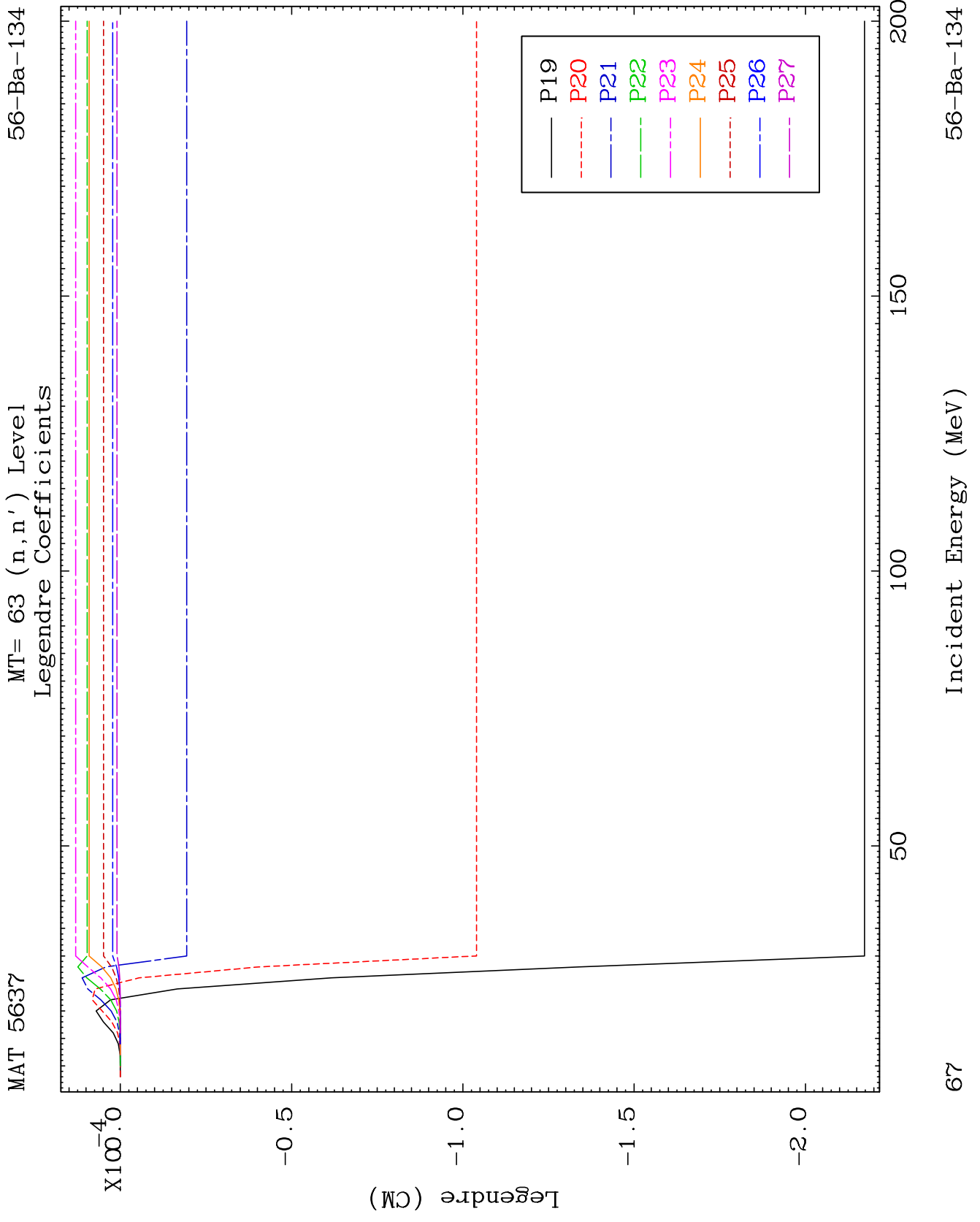
56-Ba-134



66

Incident Energy (MeV)

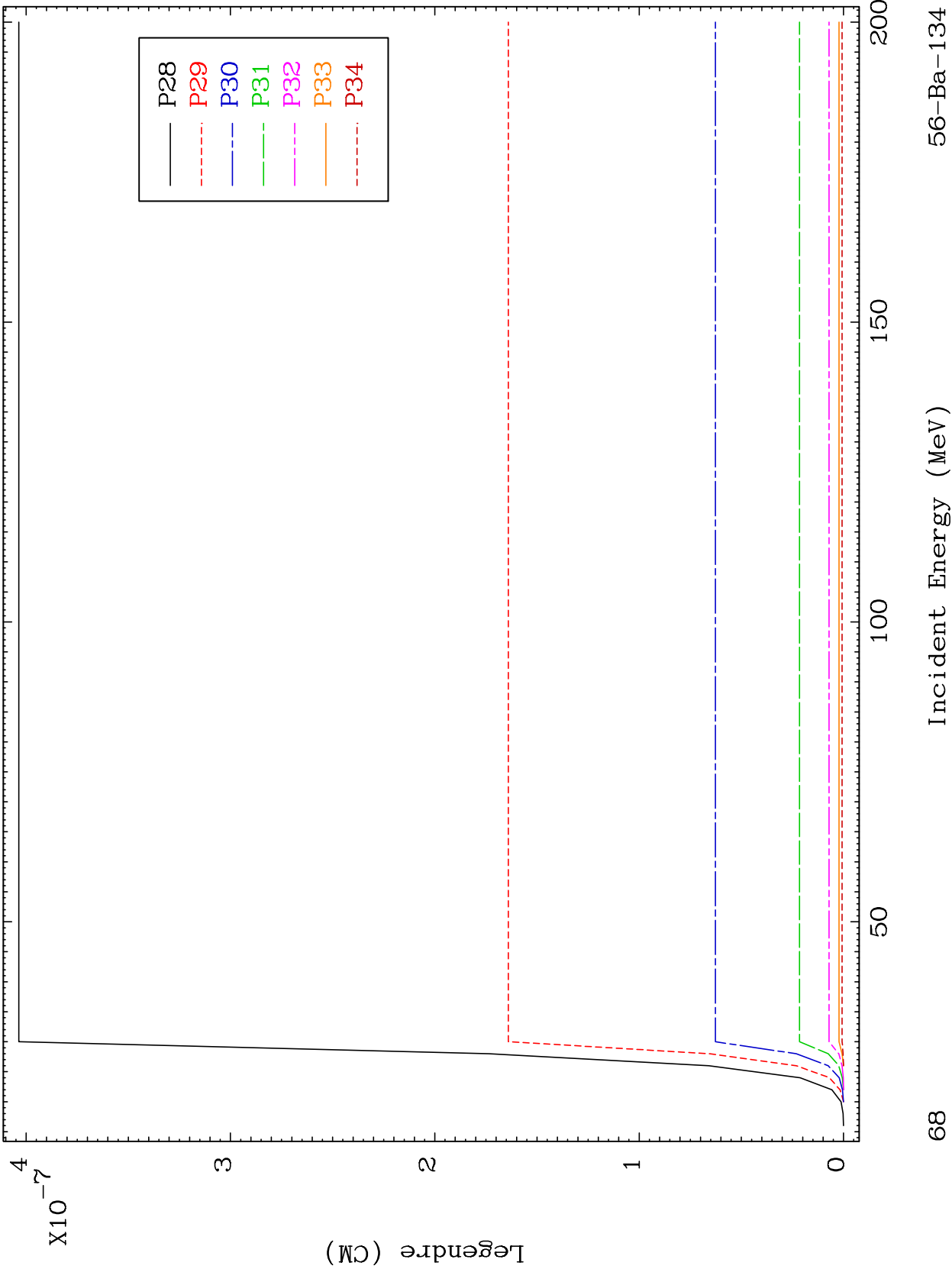
56-Ba-134



MAT 5637

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

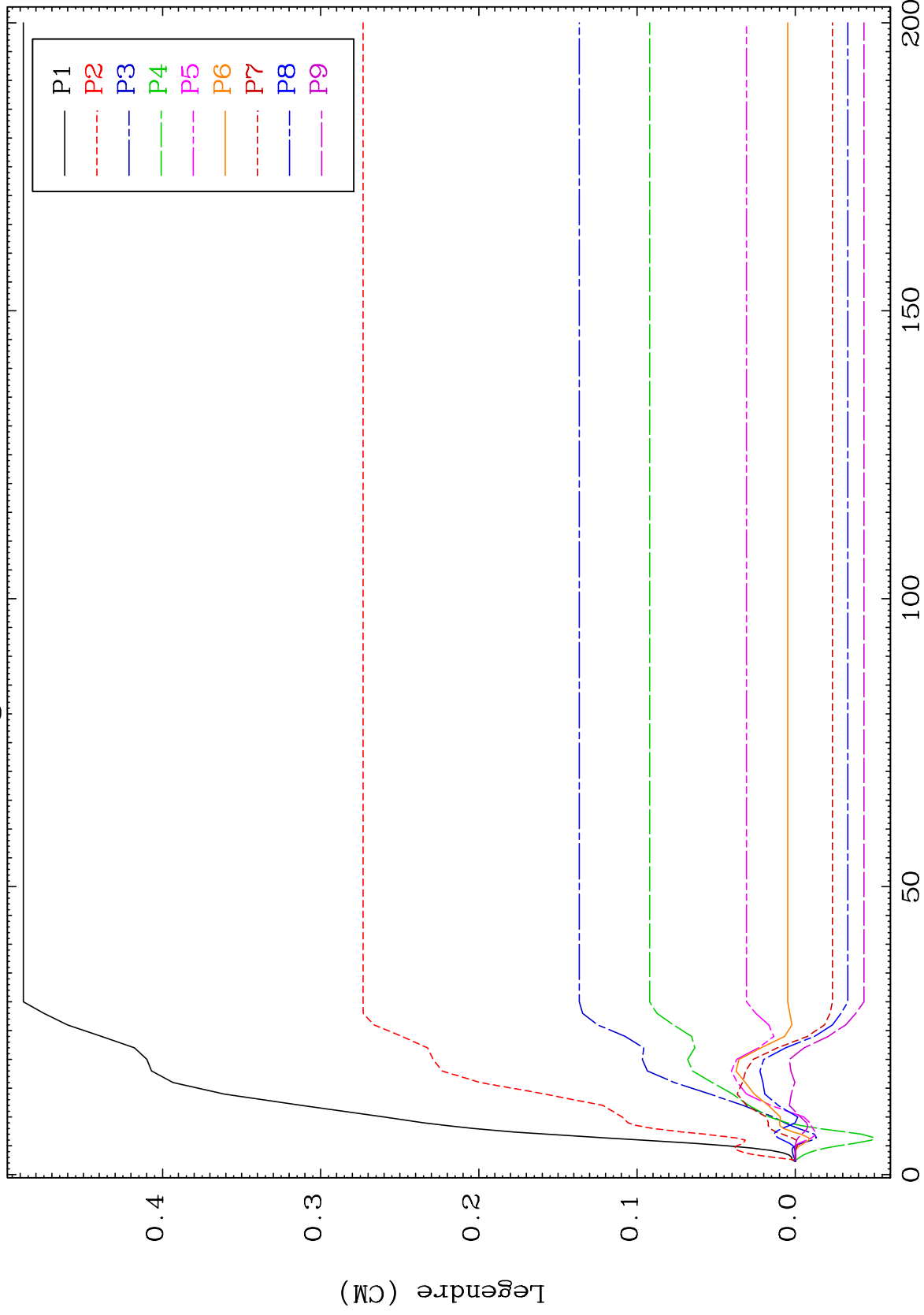
56-Ba-134



MAT 5637

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

56-Ba-134



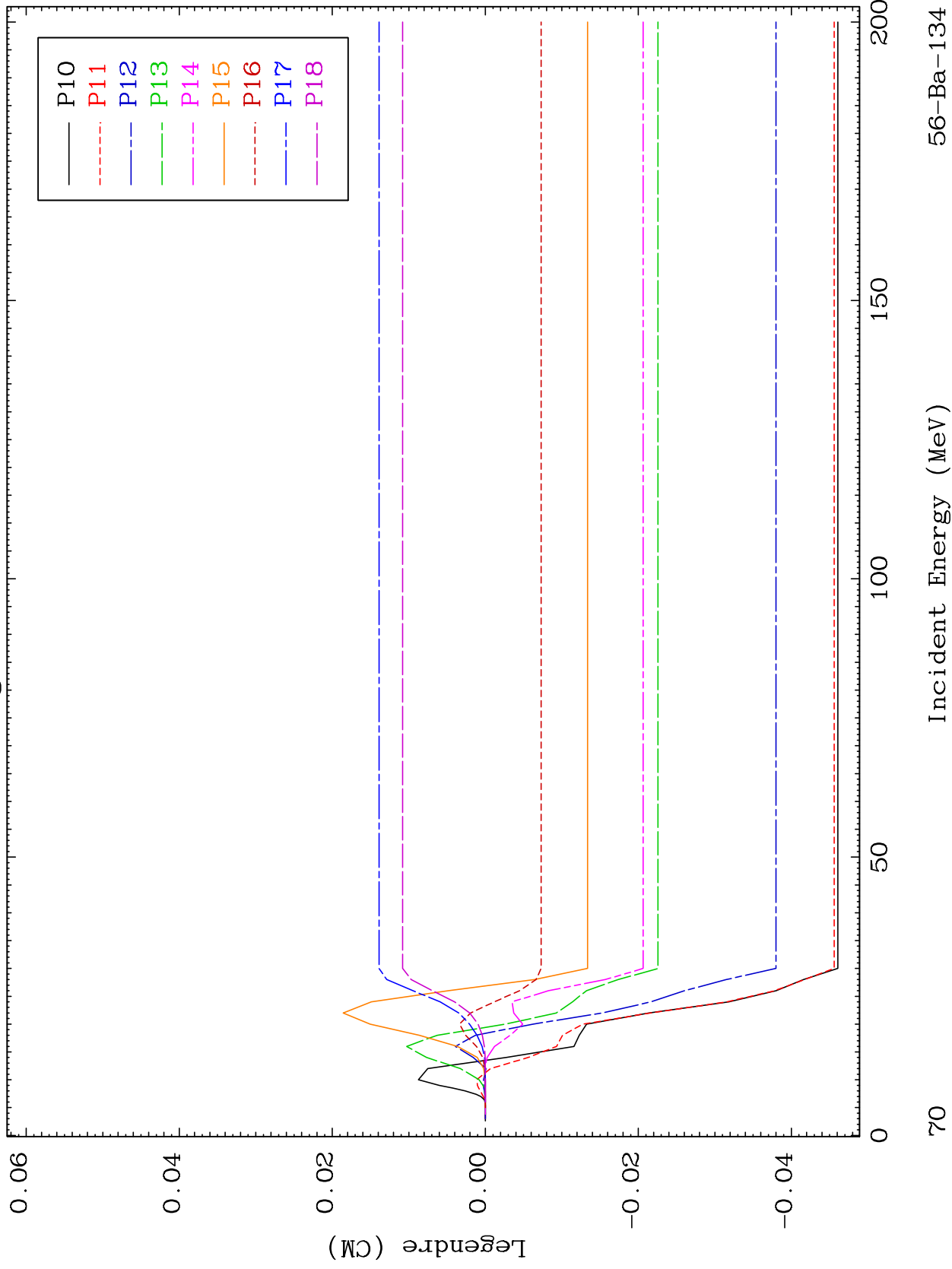
69

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

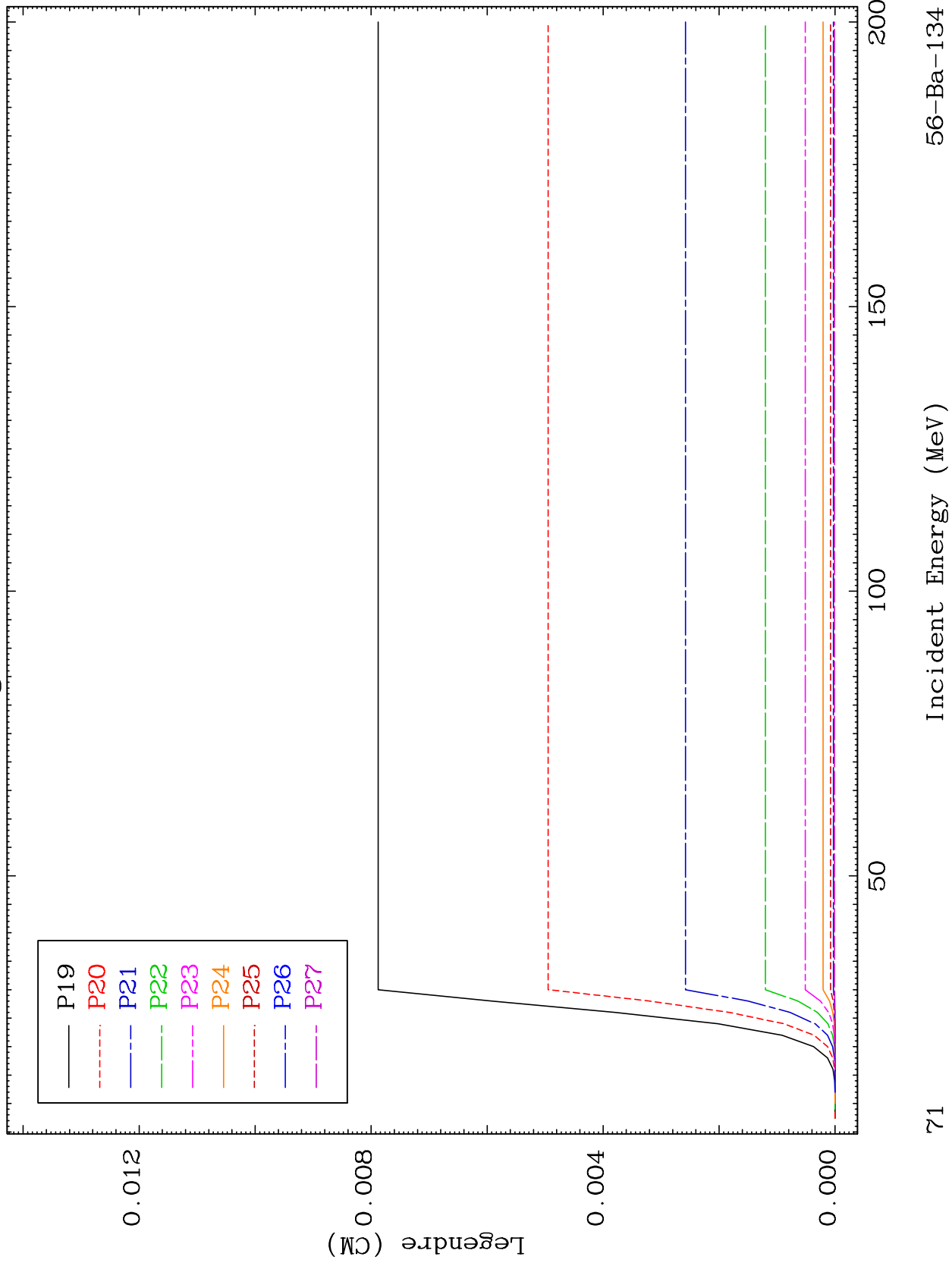
Incident Energy (MeV)

70

MAT 5637

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

56-Ba-134



71

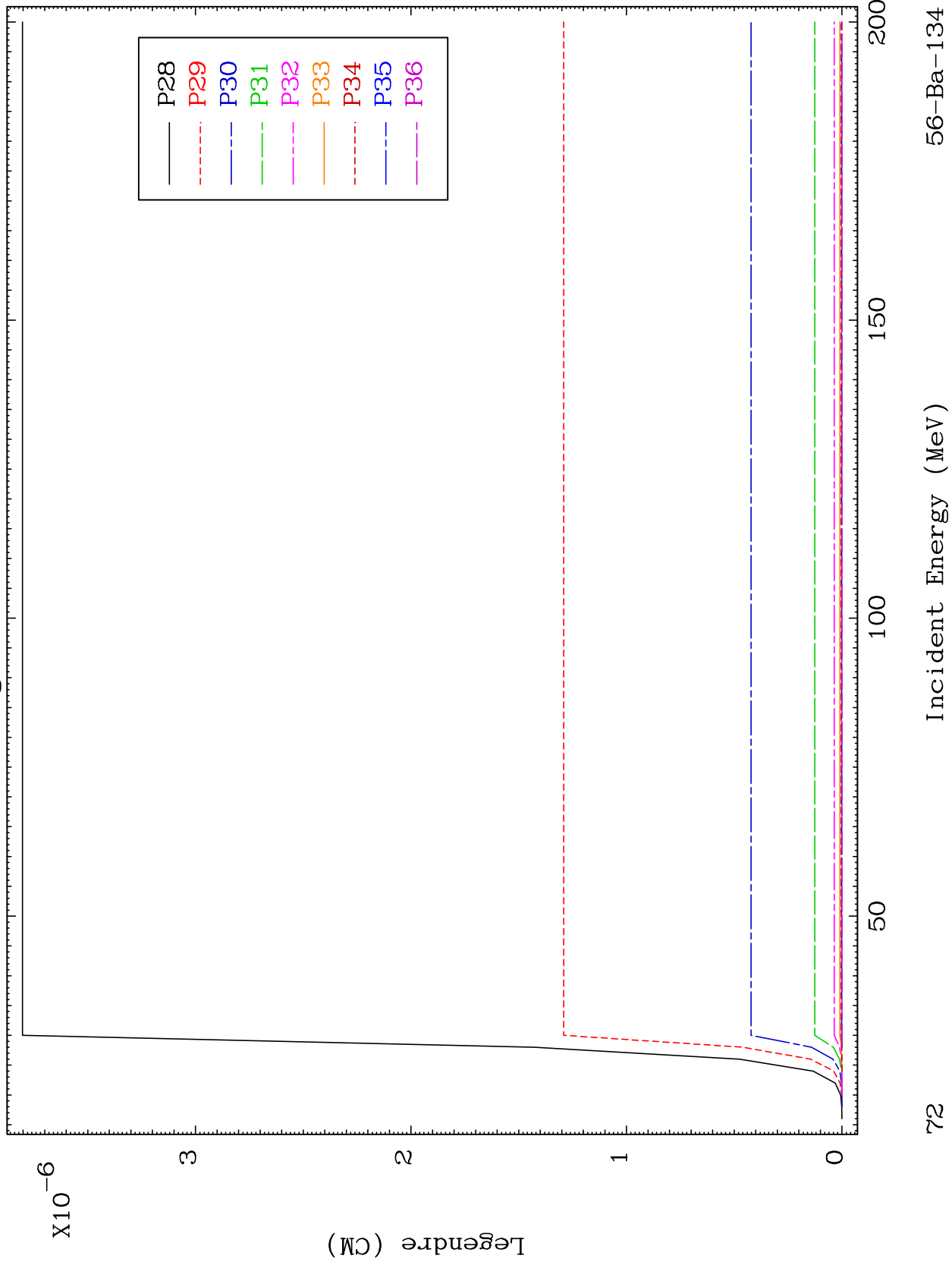
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134

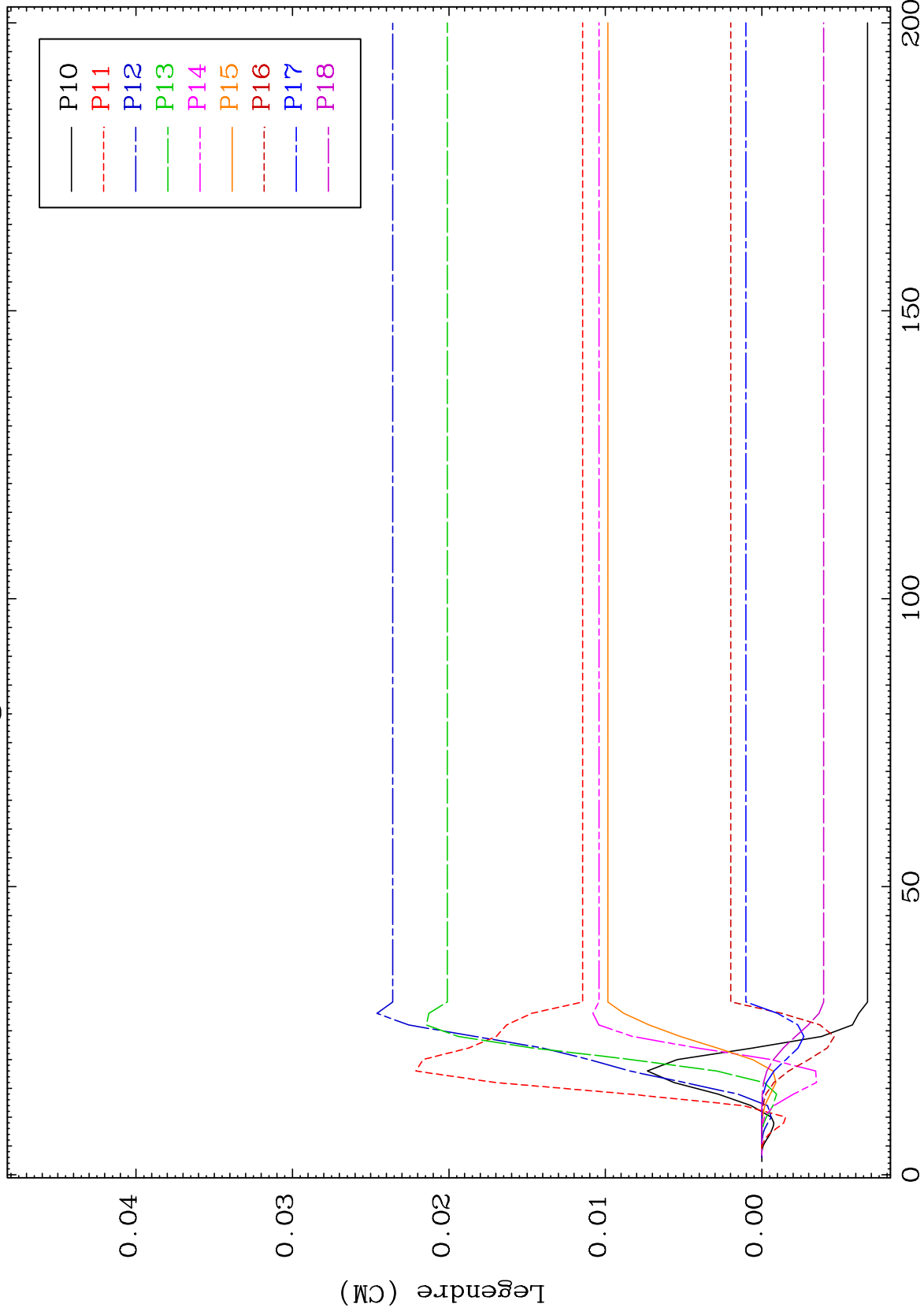




MAT 5637

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

56-Ba-134



74

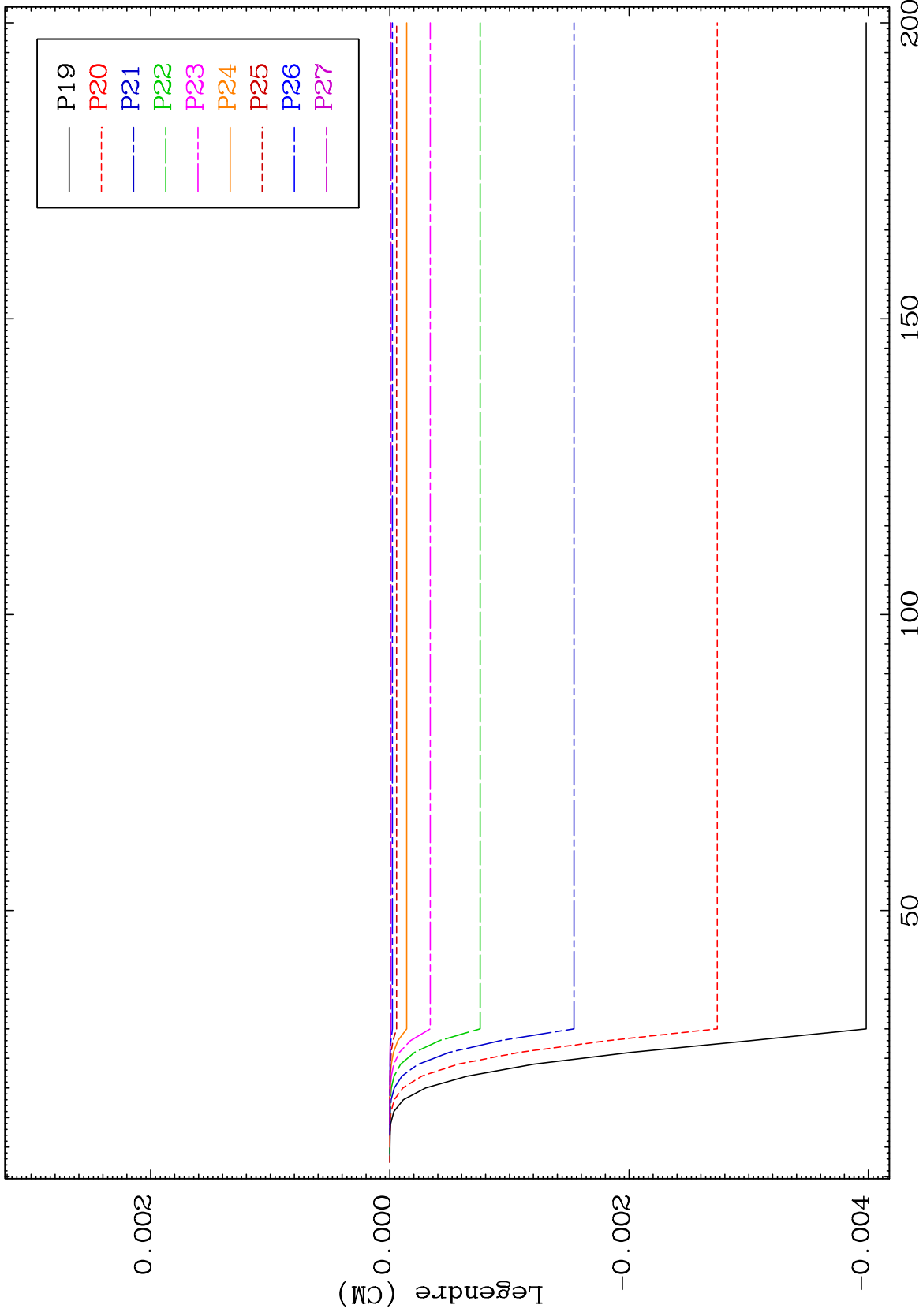
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

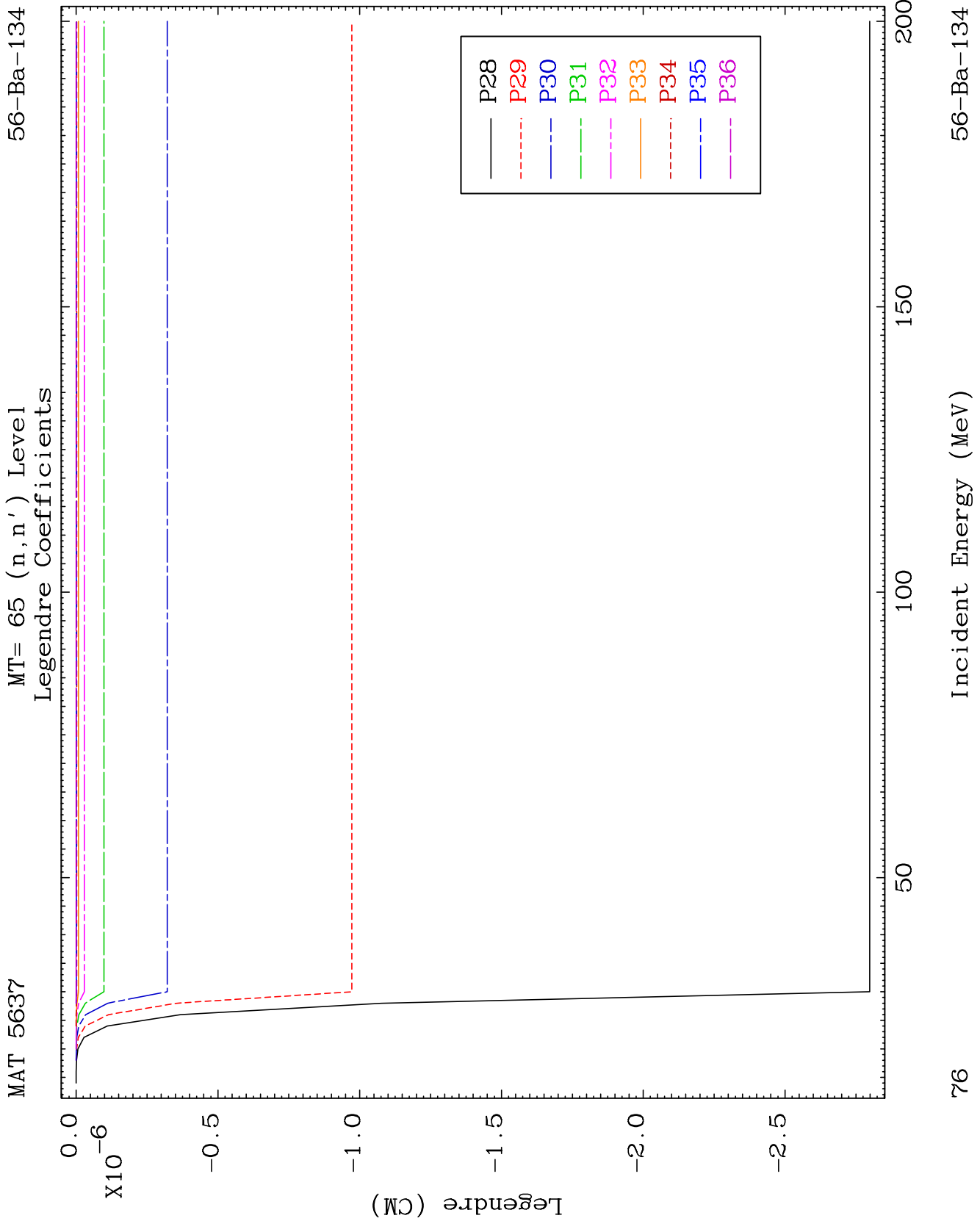
56-Ba-134



75

Incident Energy (MeV)

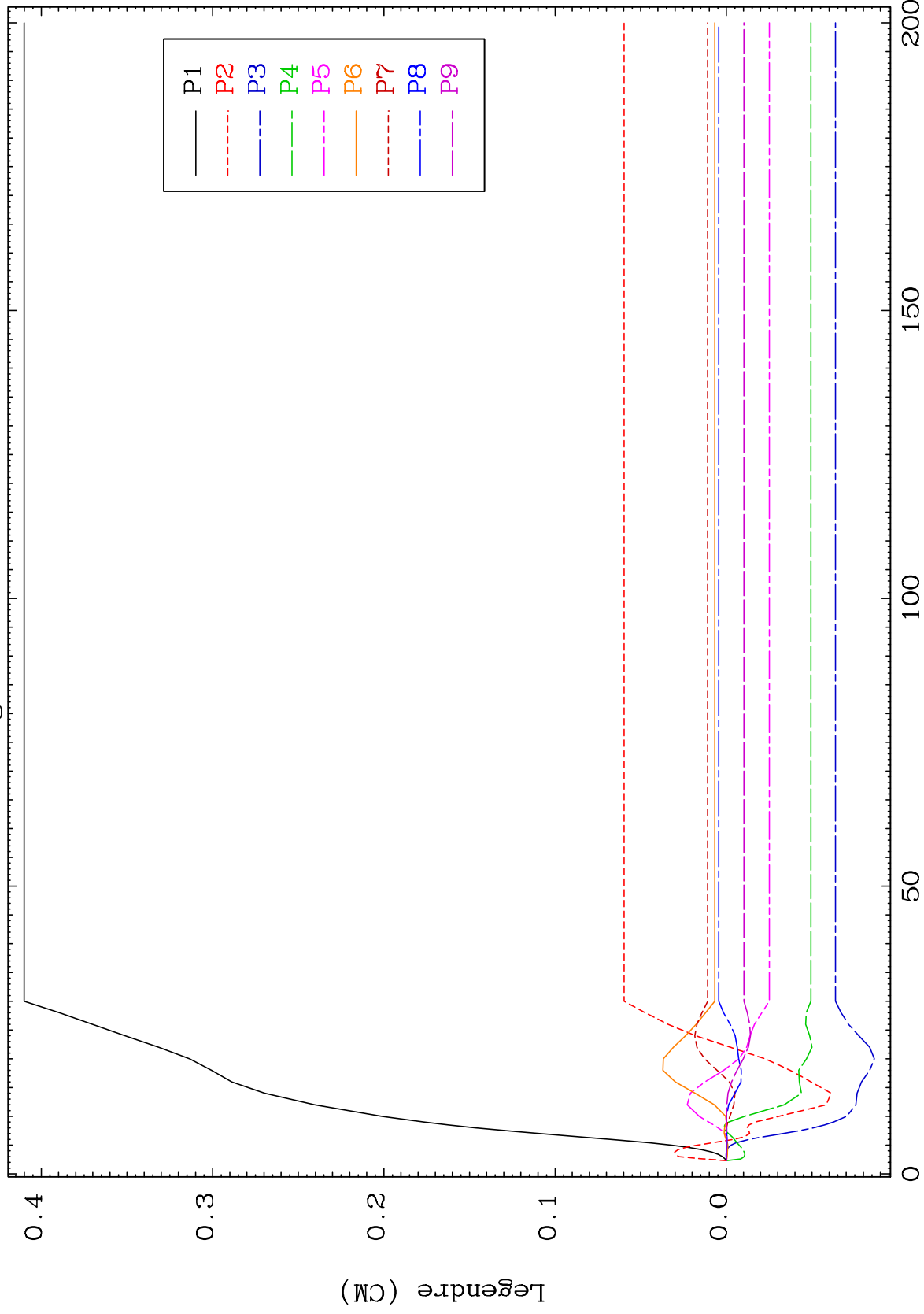
56-Ba-134



MAT 5637

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

56-Ba-134



77

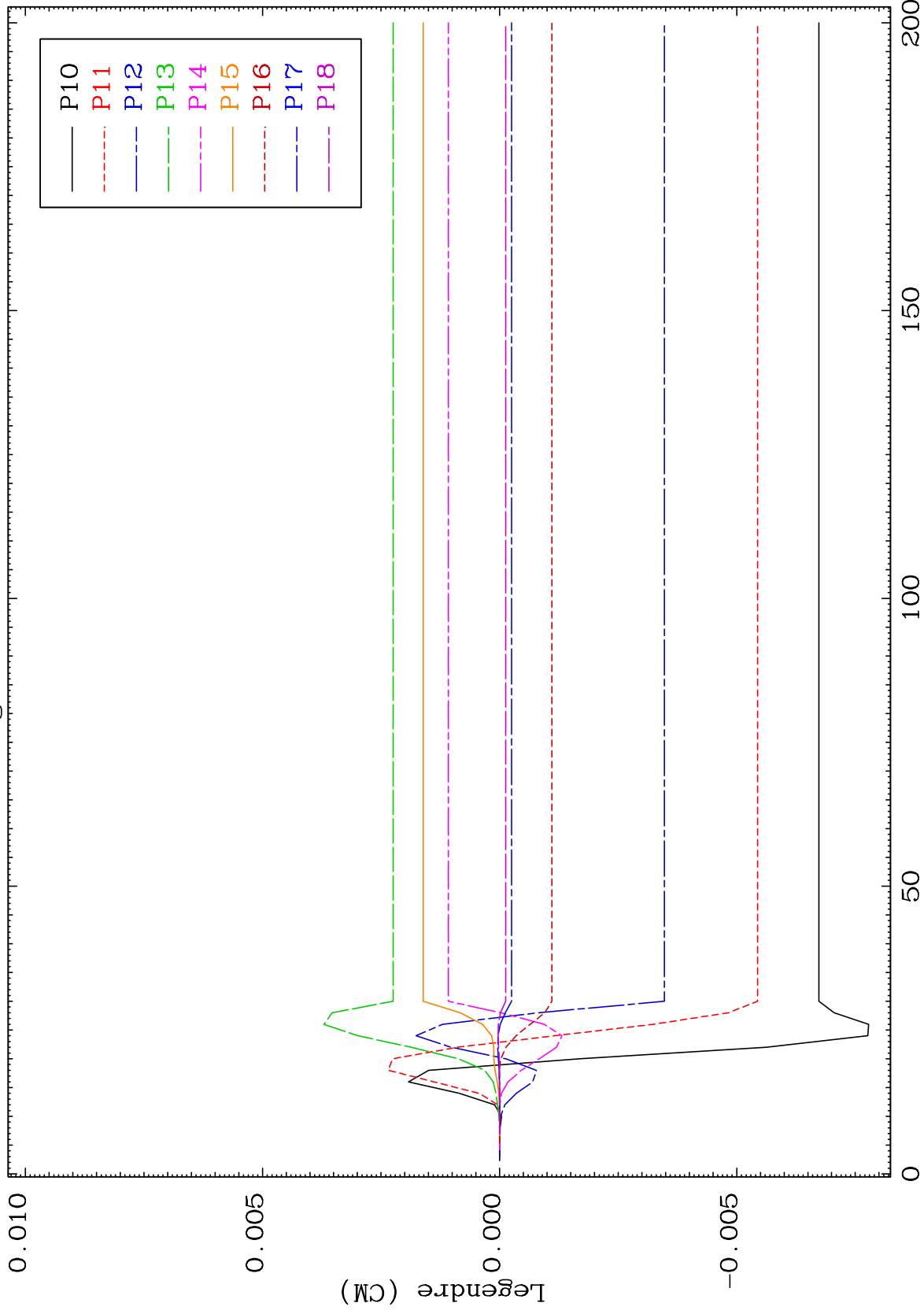
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



78

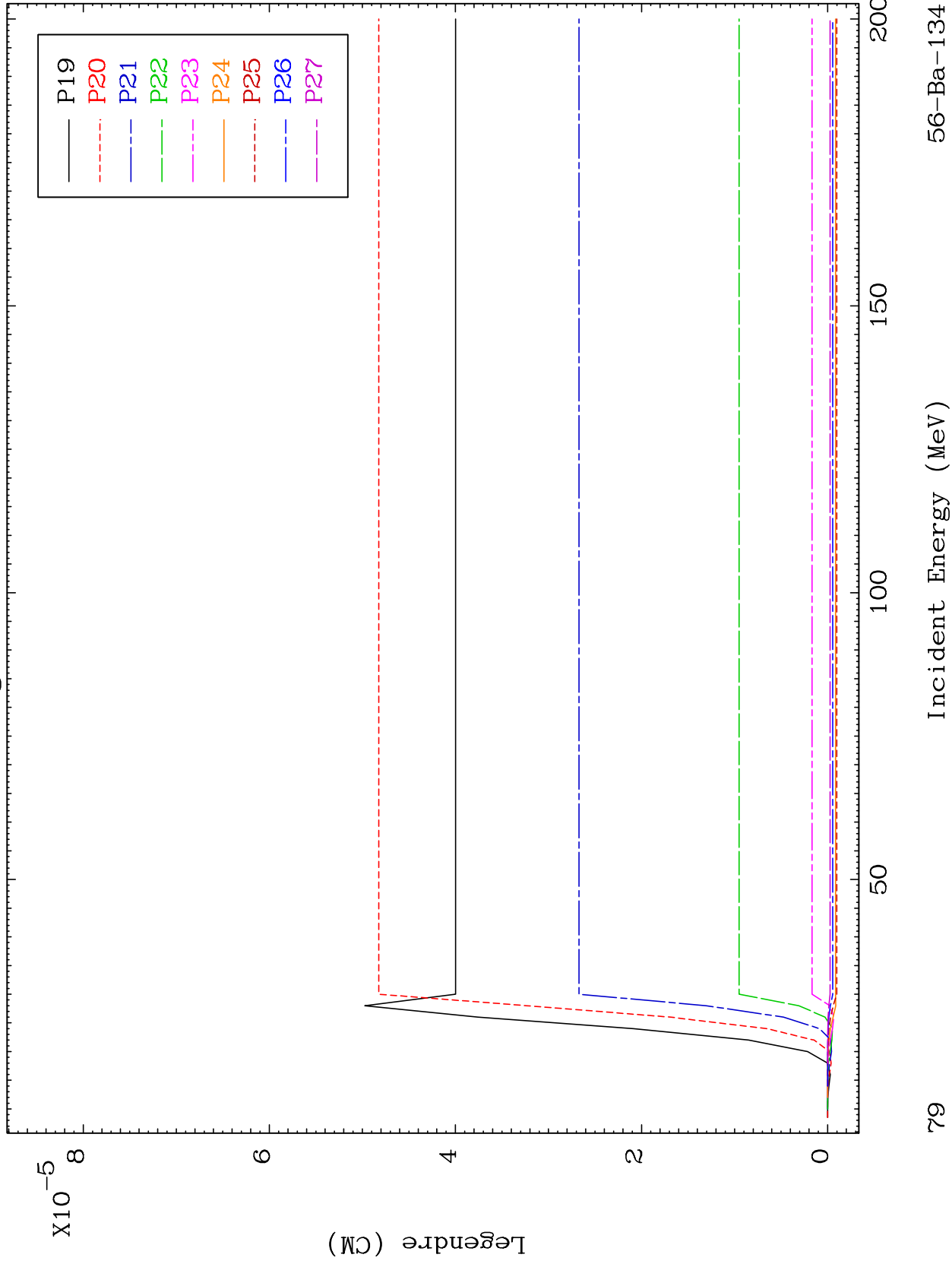
Incident Energy (MeV)

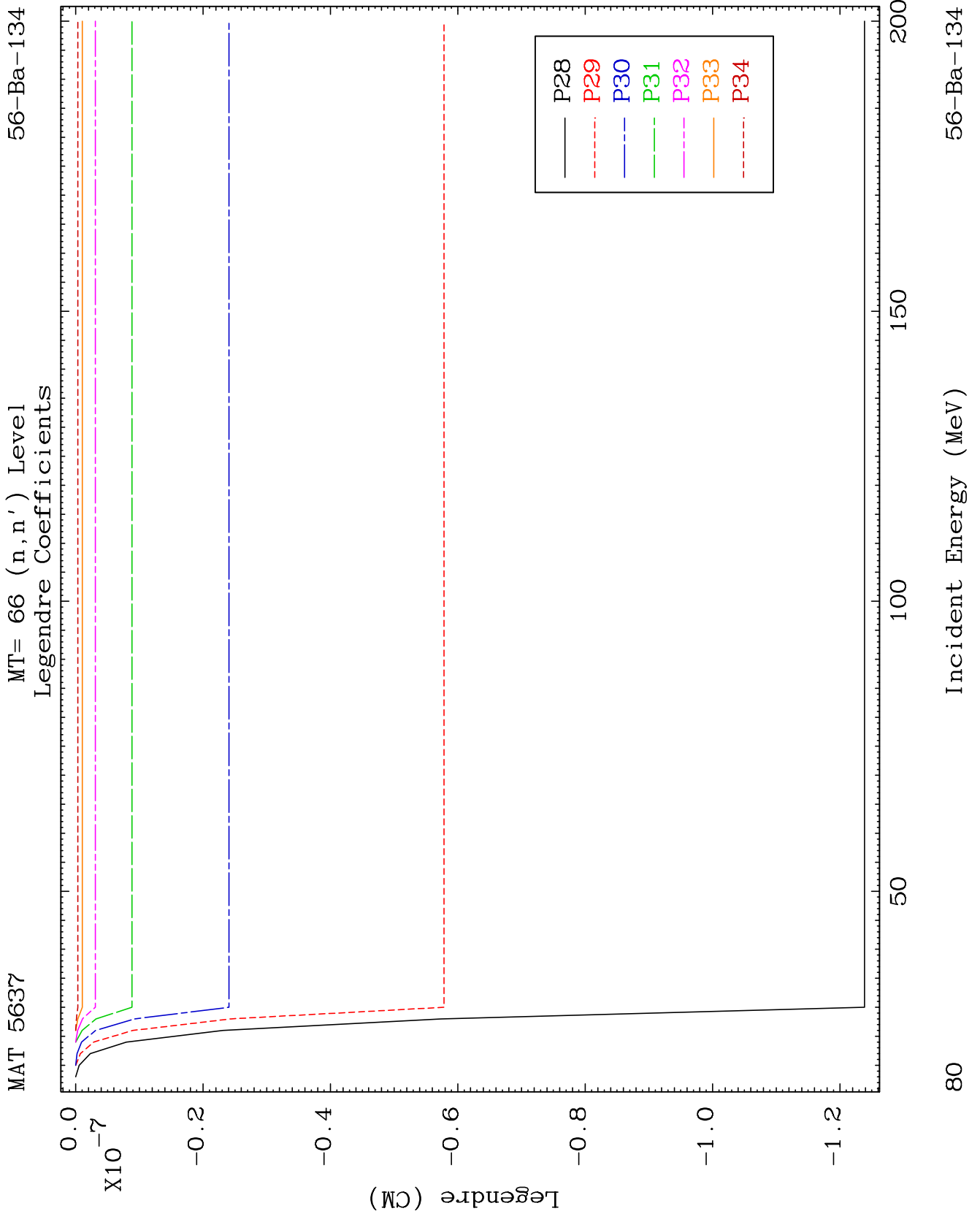
56-Ba-134

MAT 5637

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

56-Ba-134

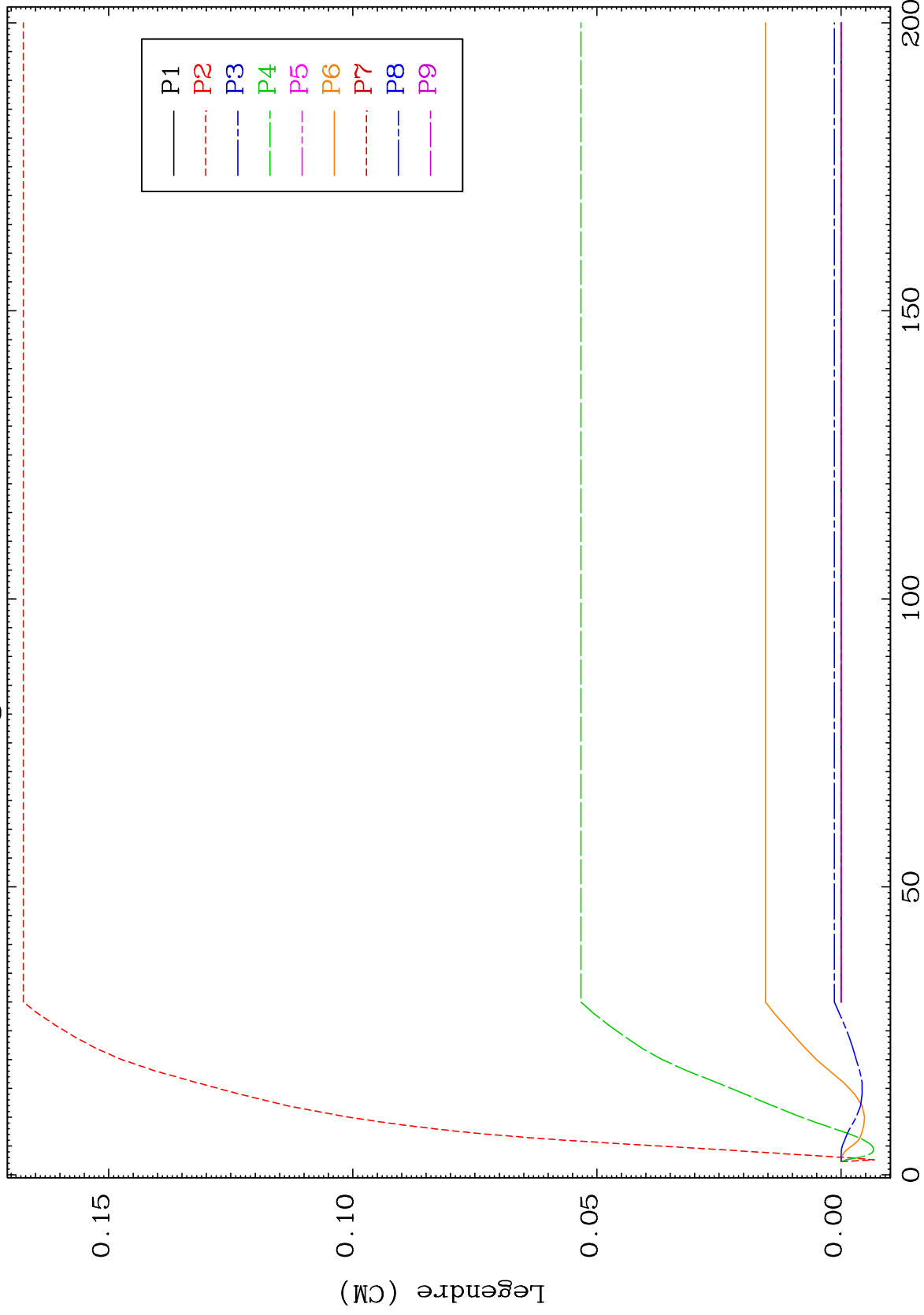




MAT 5637

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

56-Ba-134



81

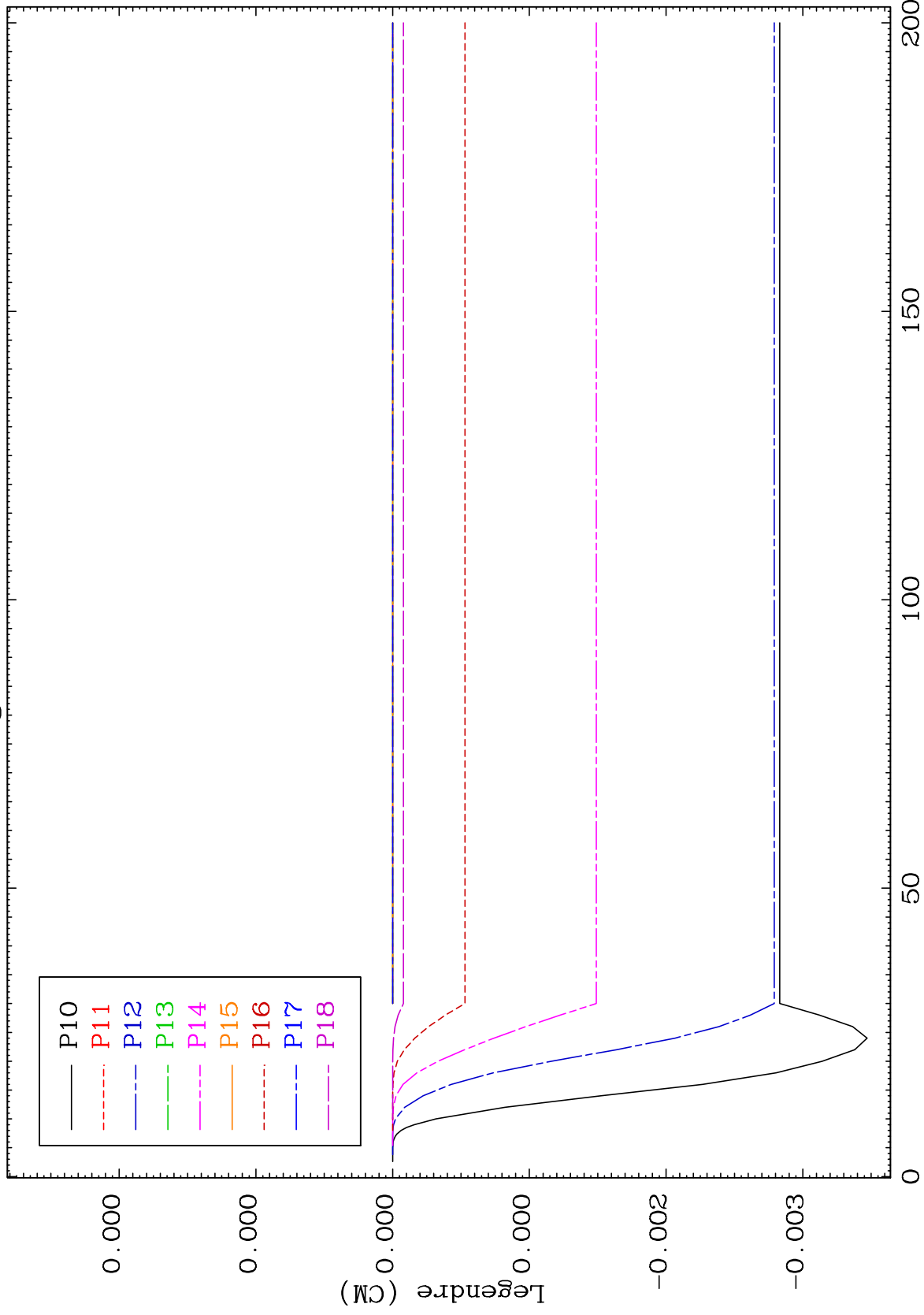
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



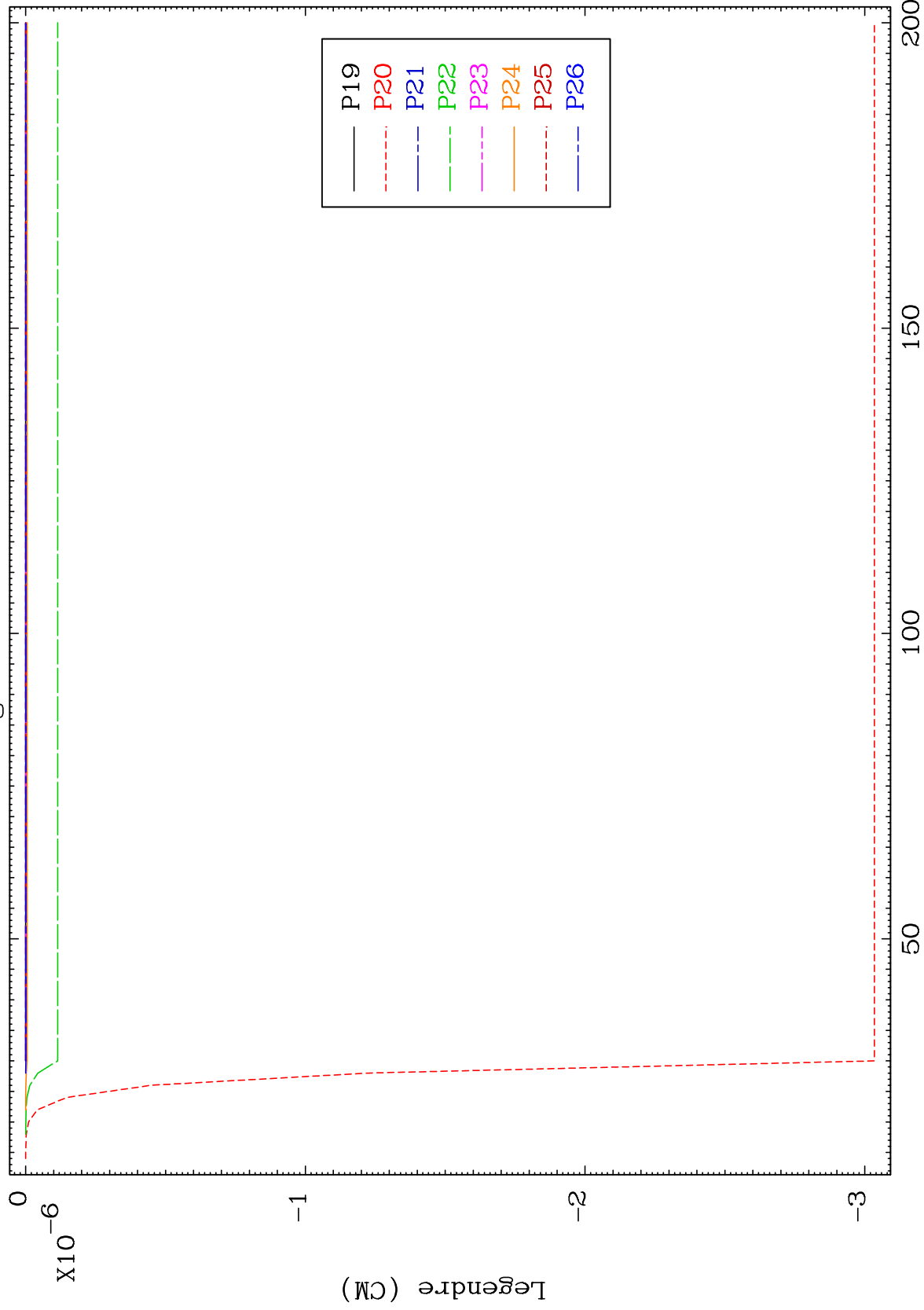
82

56-Ba-134

MAT 5637

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

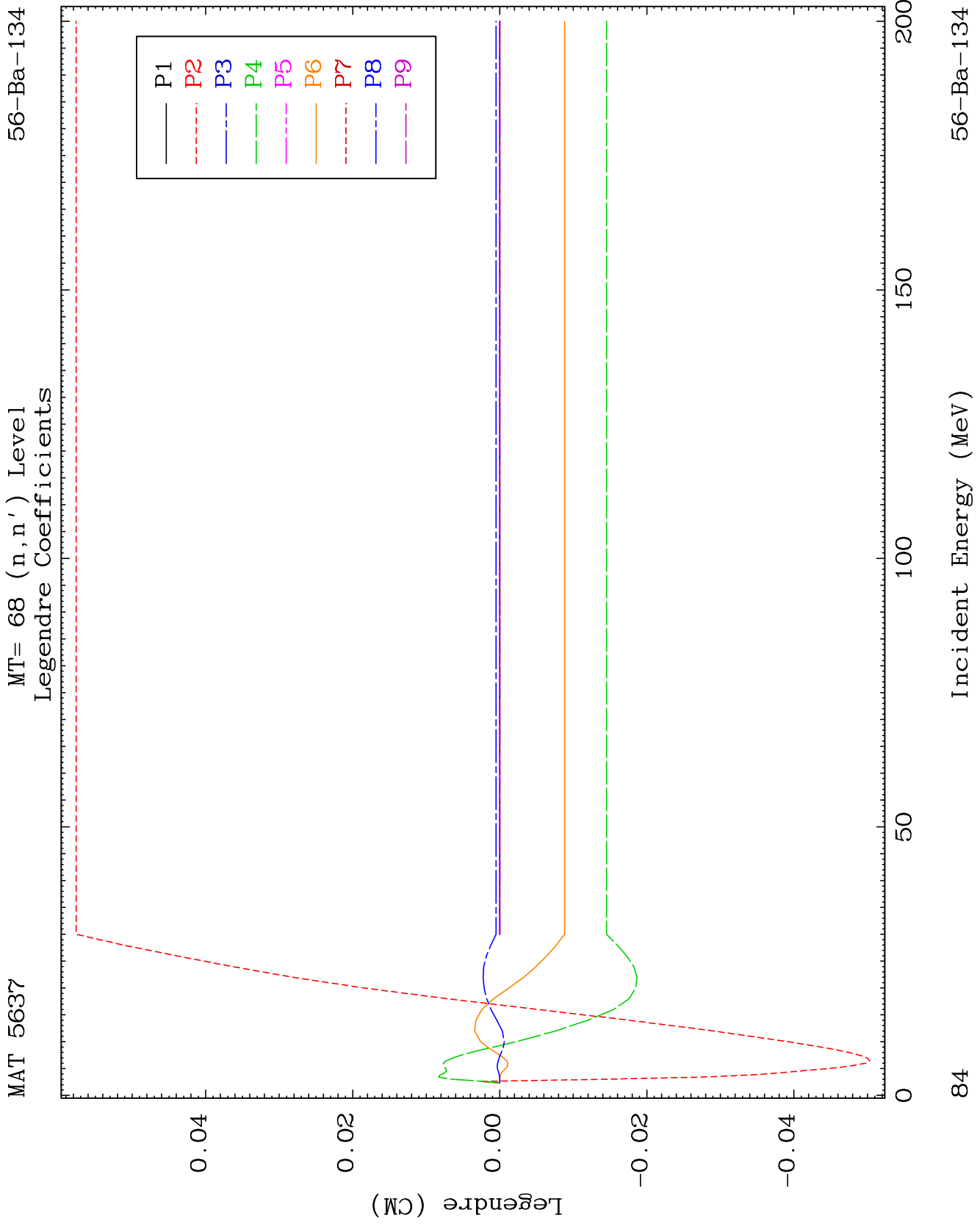
56-Ba-134



83

Incident Energy (MeV)

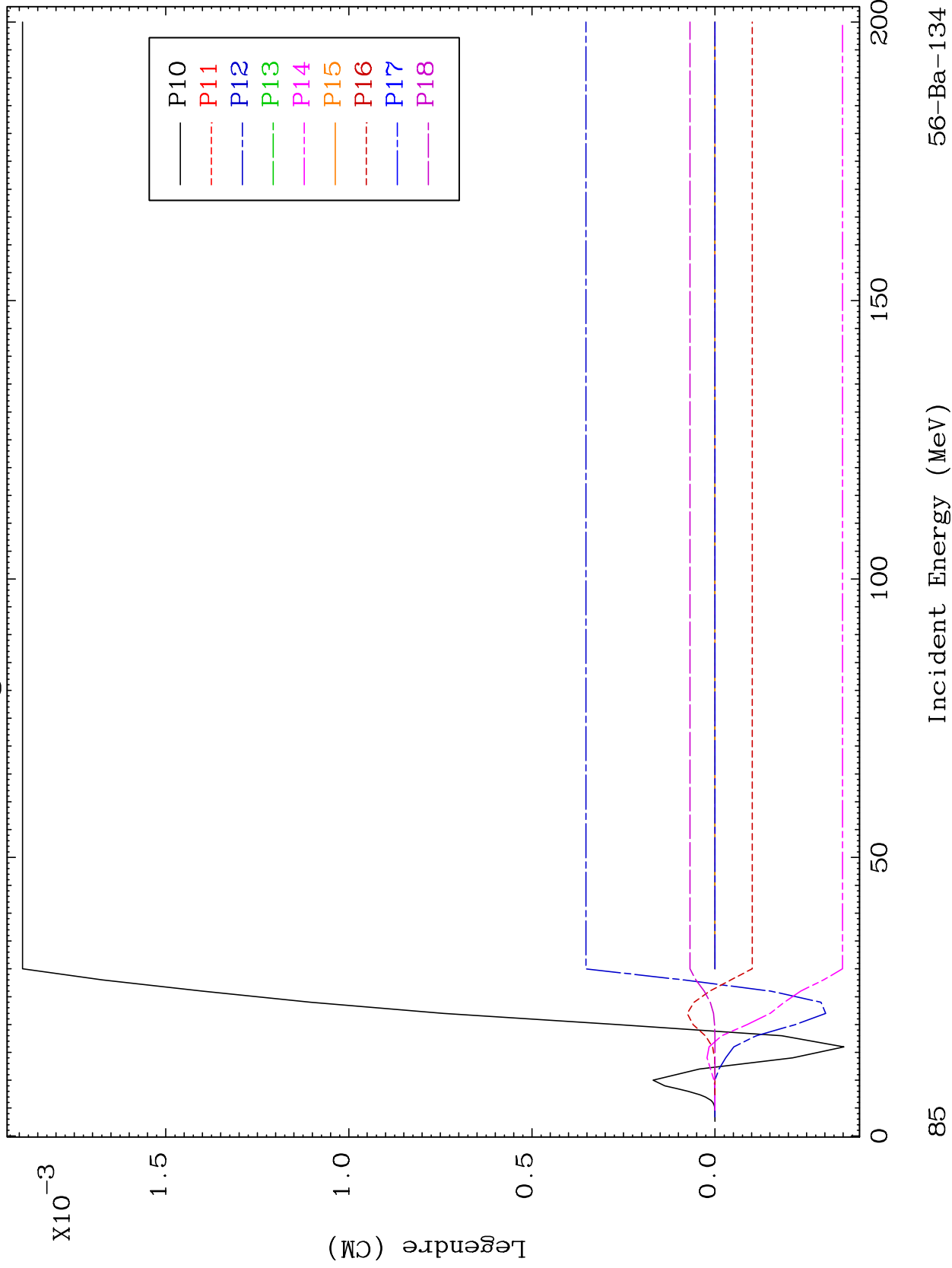
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

Incident Energy (MeV)

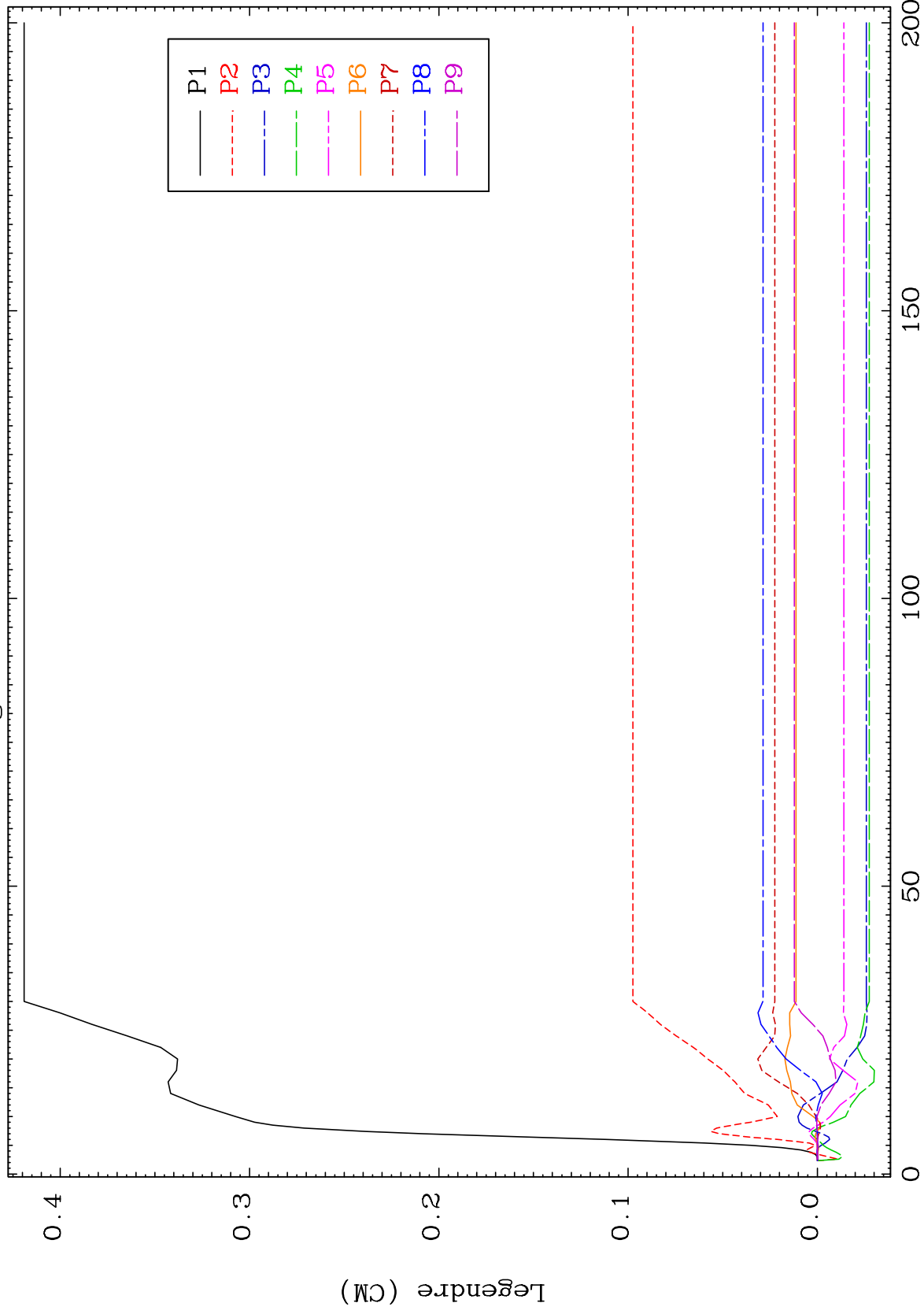
85



MAT 5637

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

56-Ba-134



87

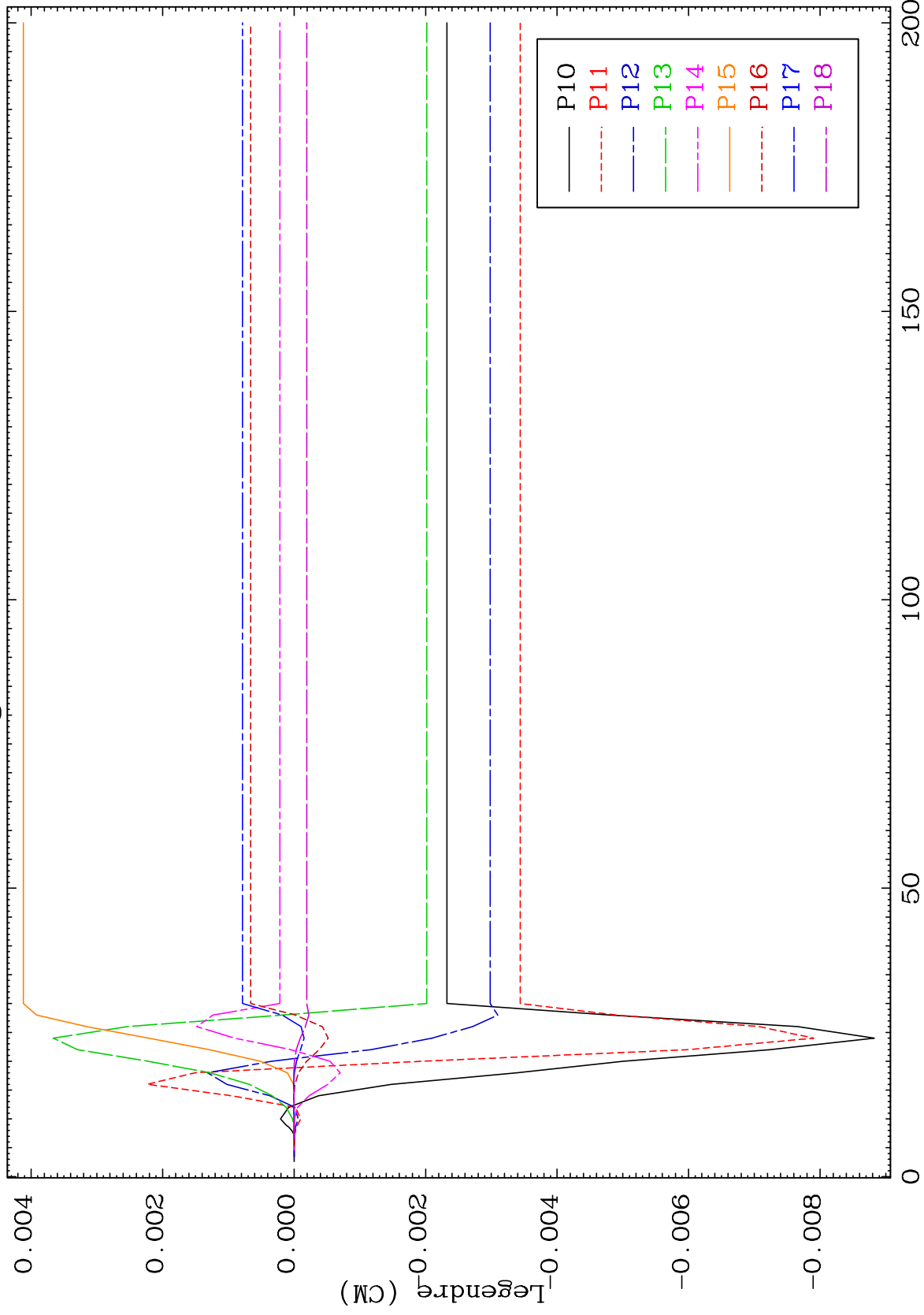
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

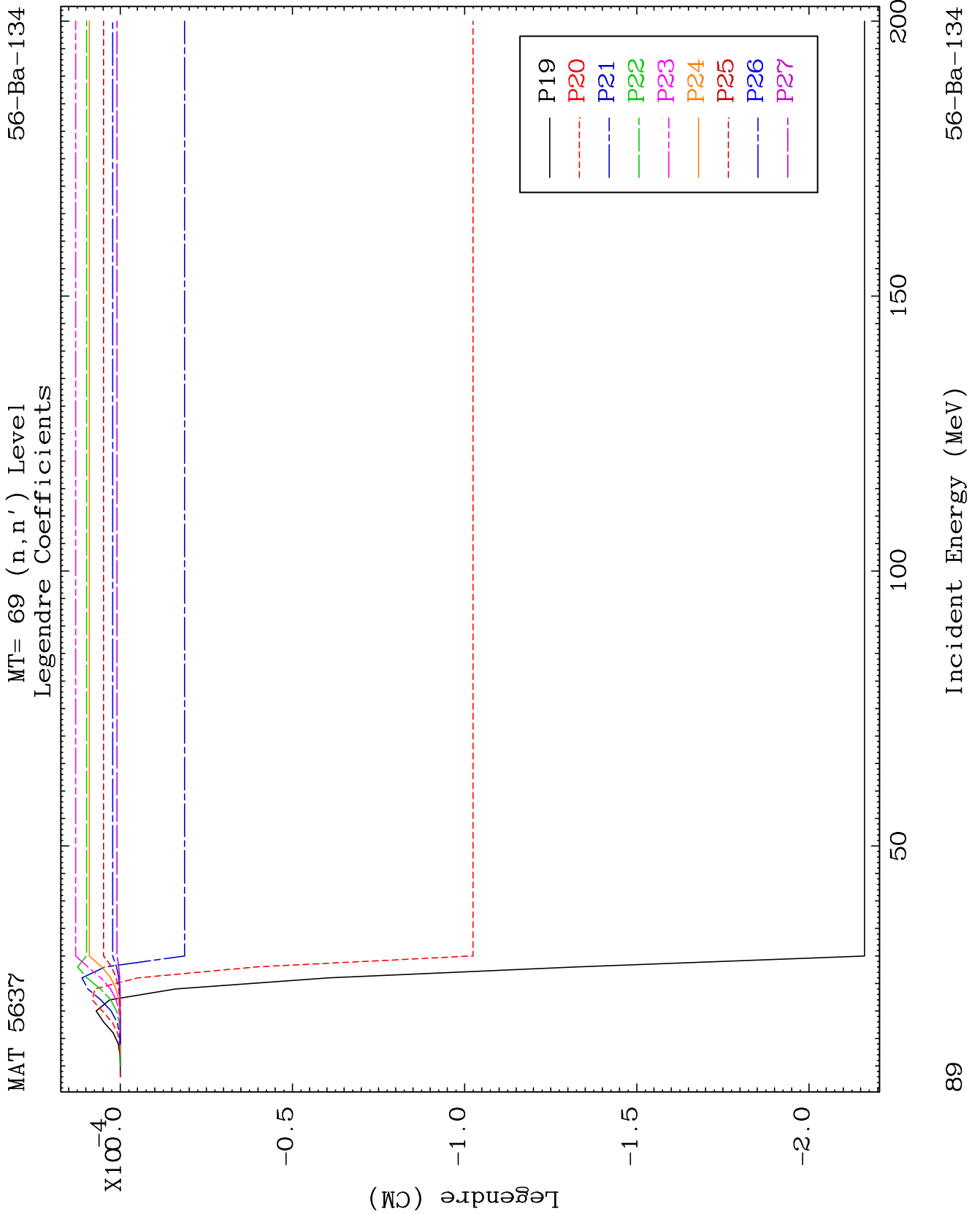
56-Ba-134



88

Incident Energy (MeV)

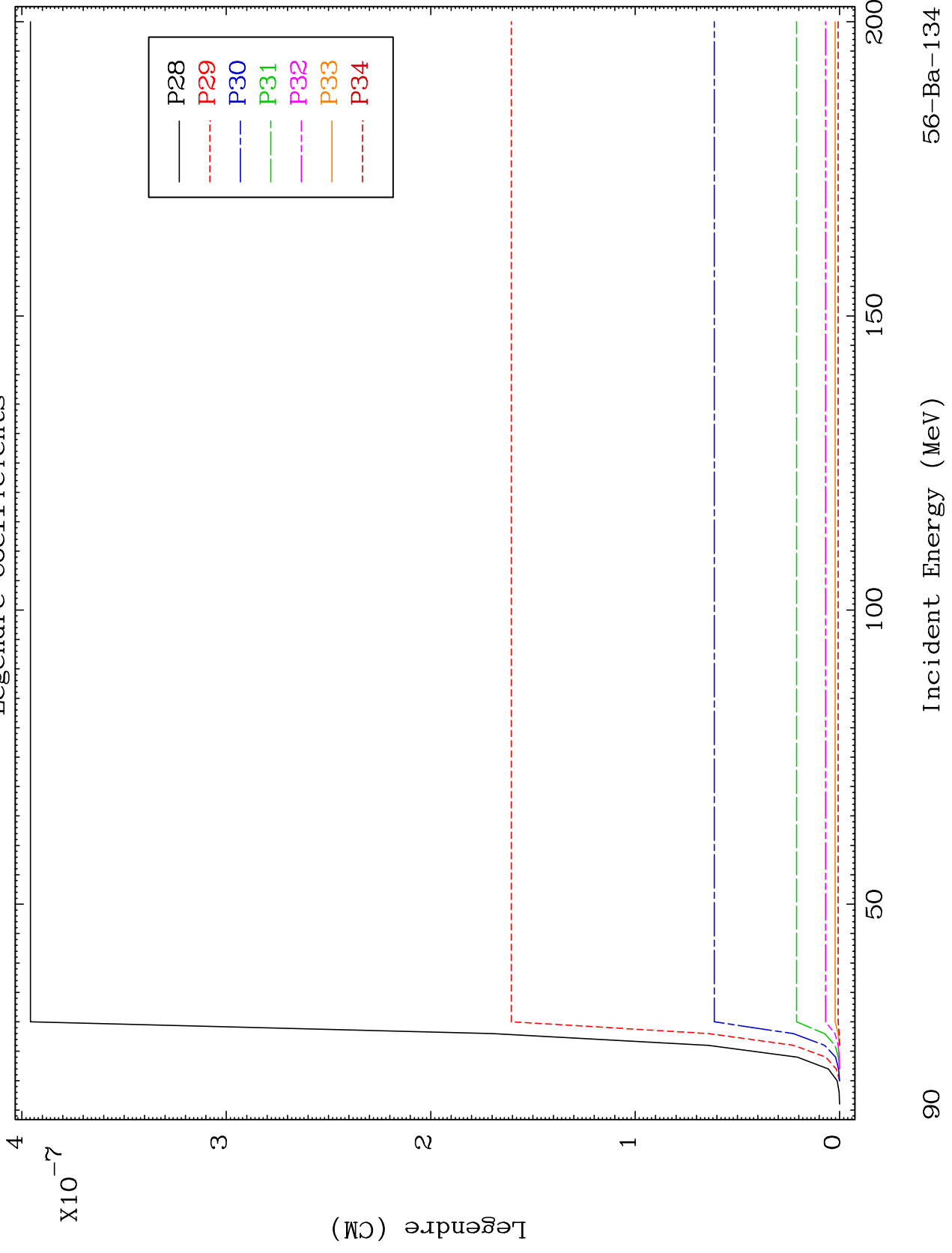
56-Ba-134



MAT 5637

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

56-Ba-134



90

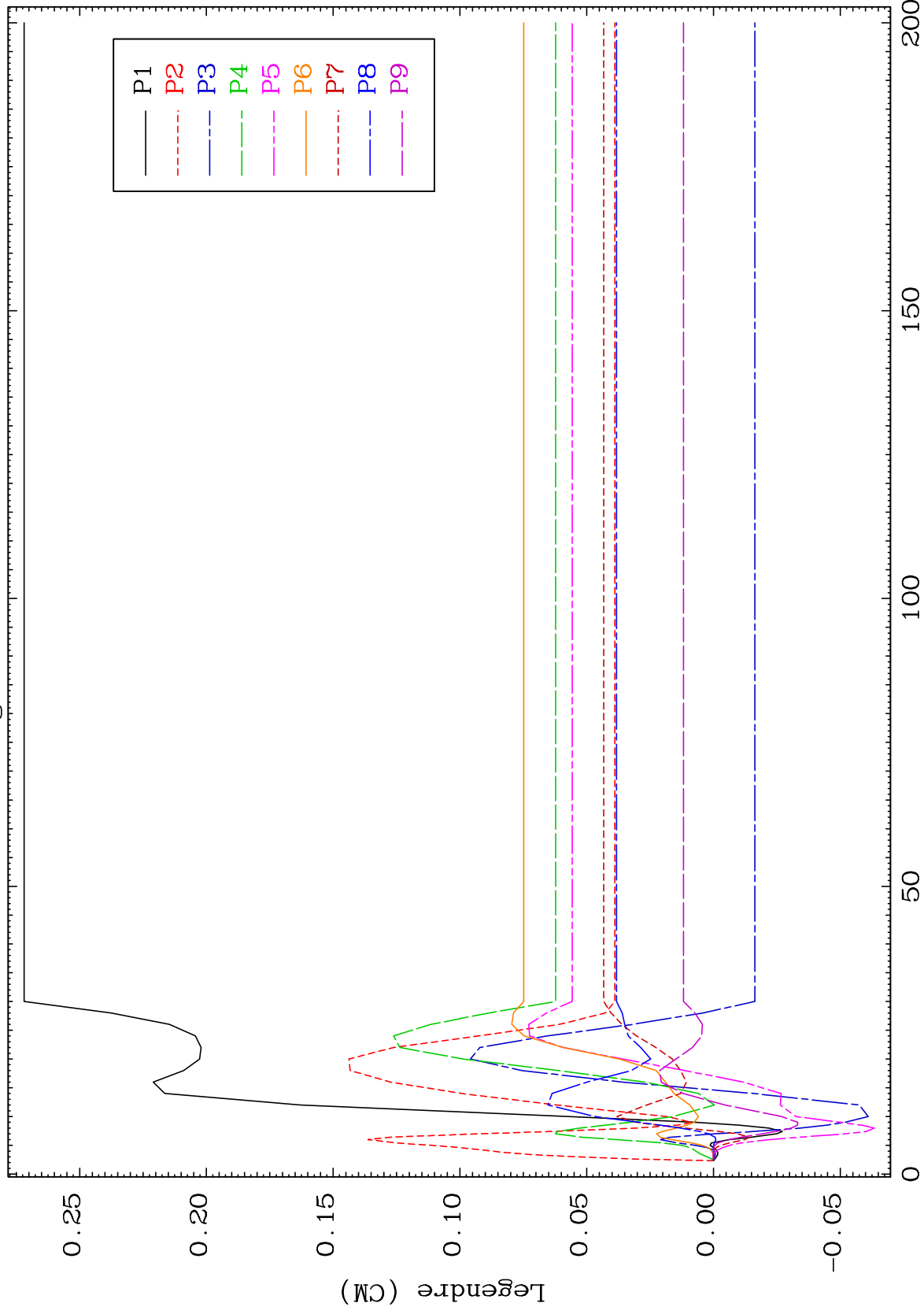
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



91

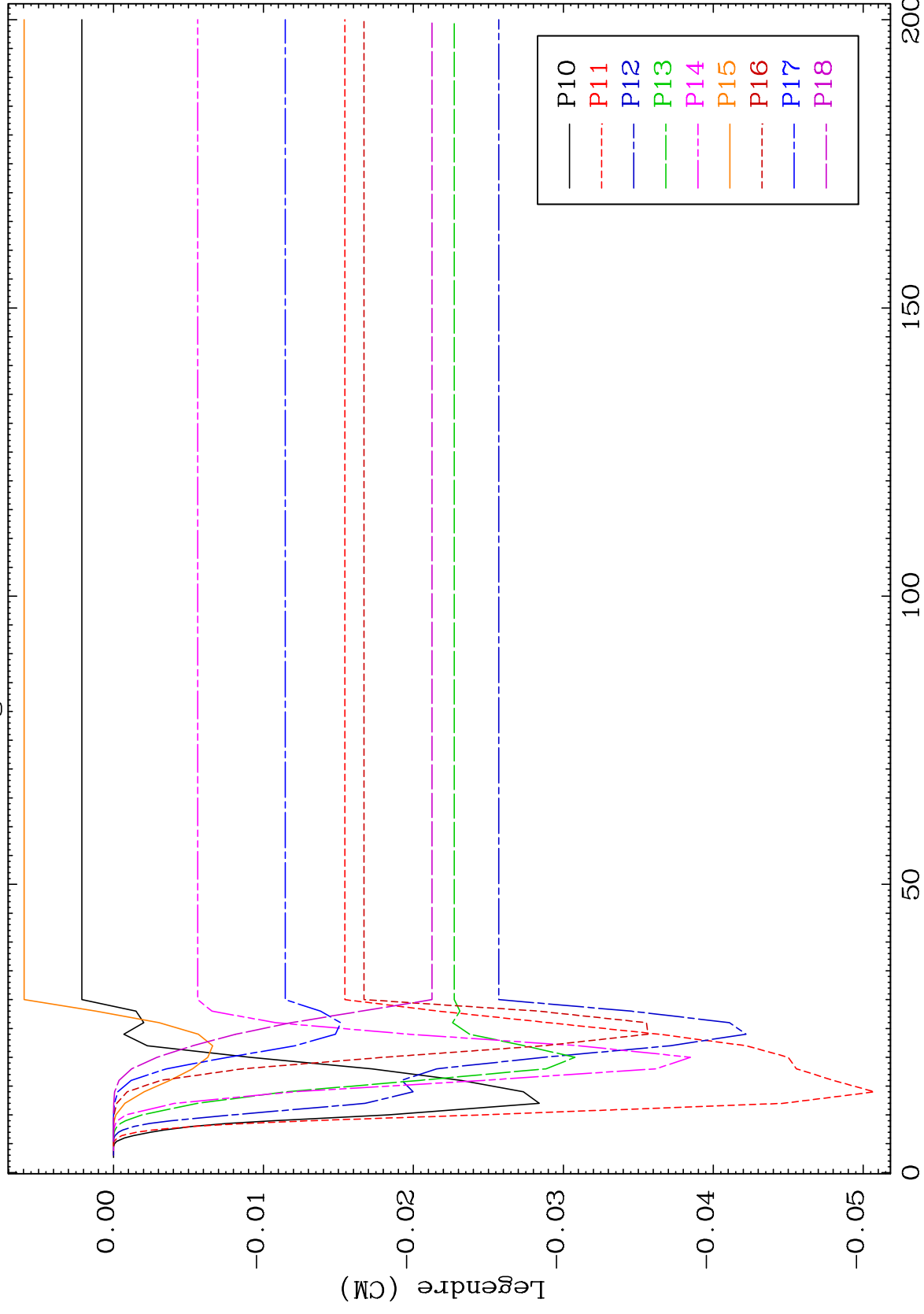
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

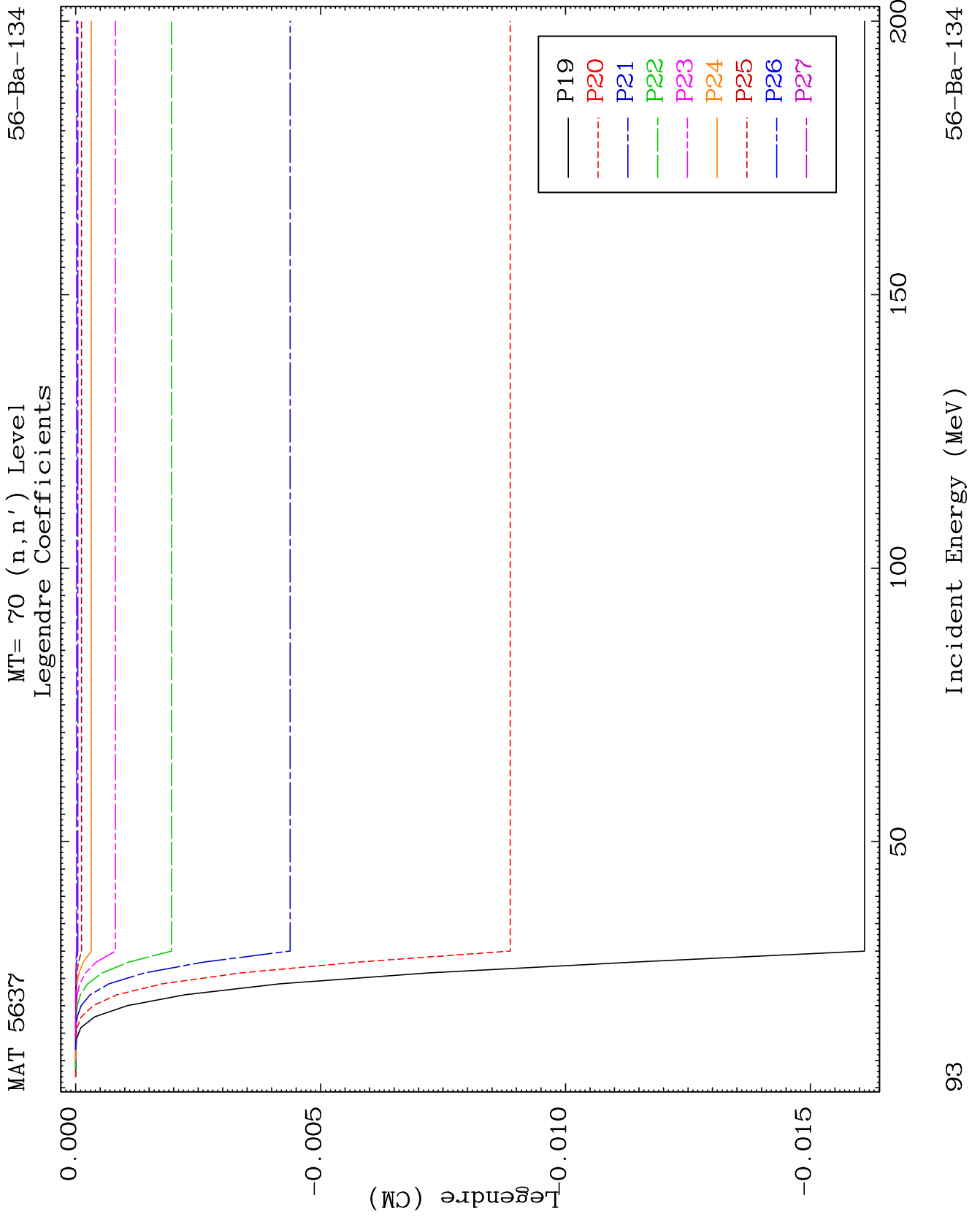
56-Ba-134



92

Incident Energy (MeV)

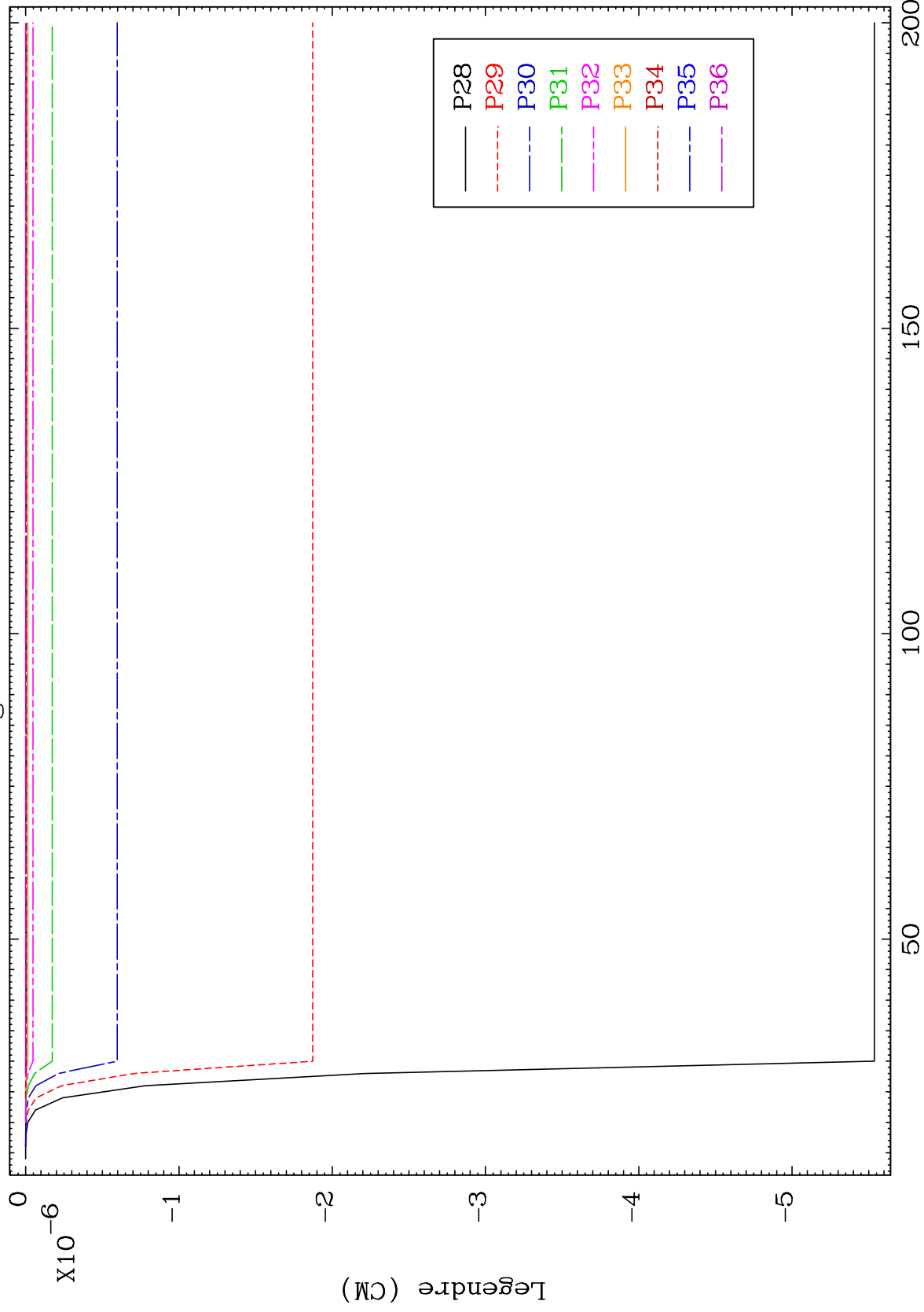
56-Ba-134



MAT 5637

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

56-Ba-134



94

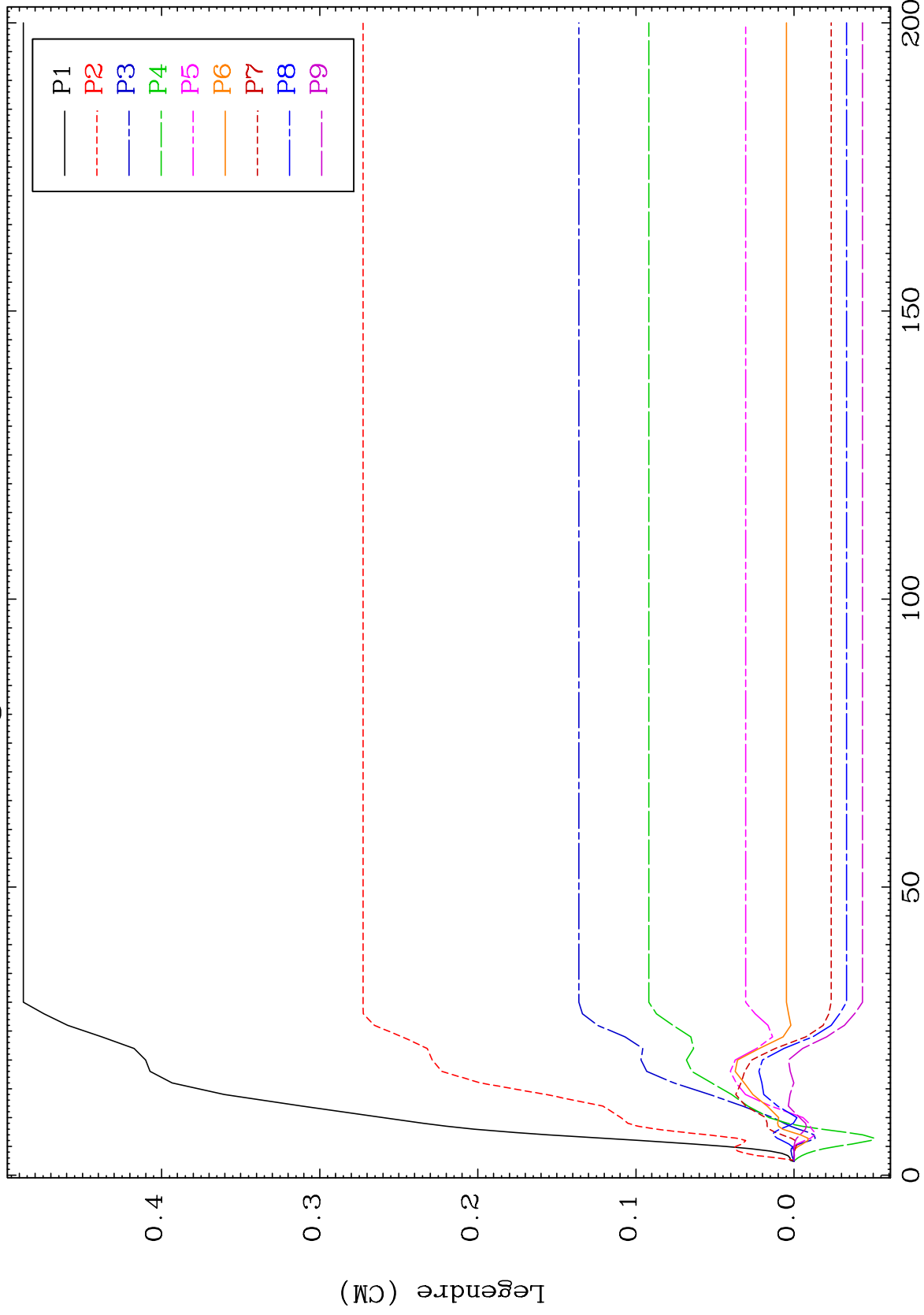
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



95

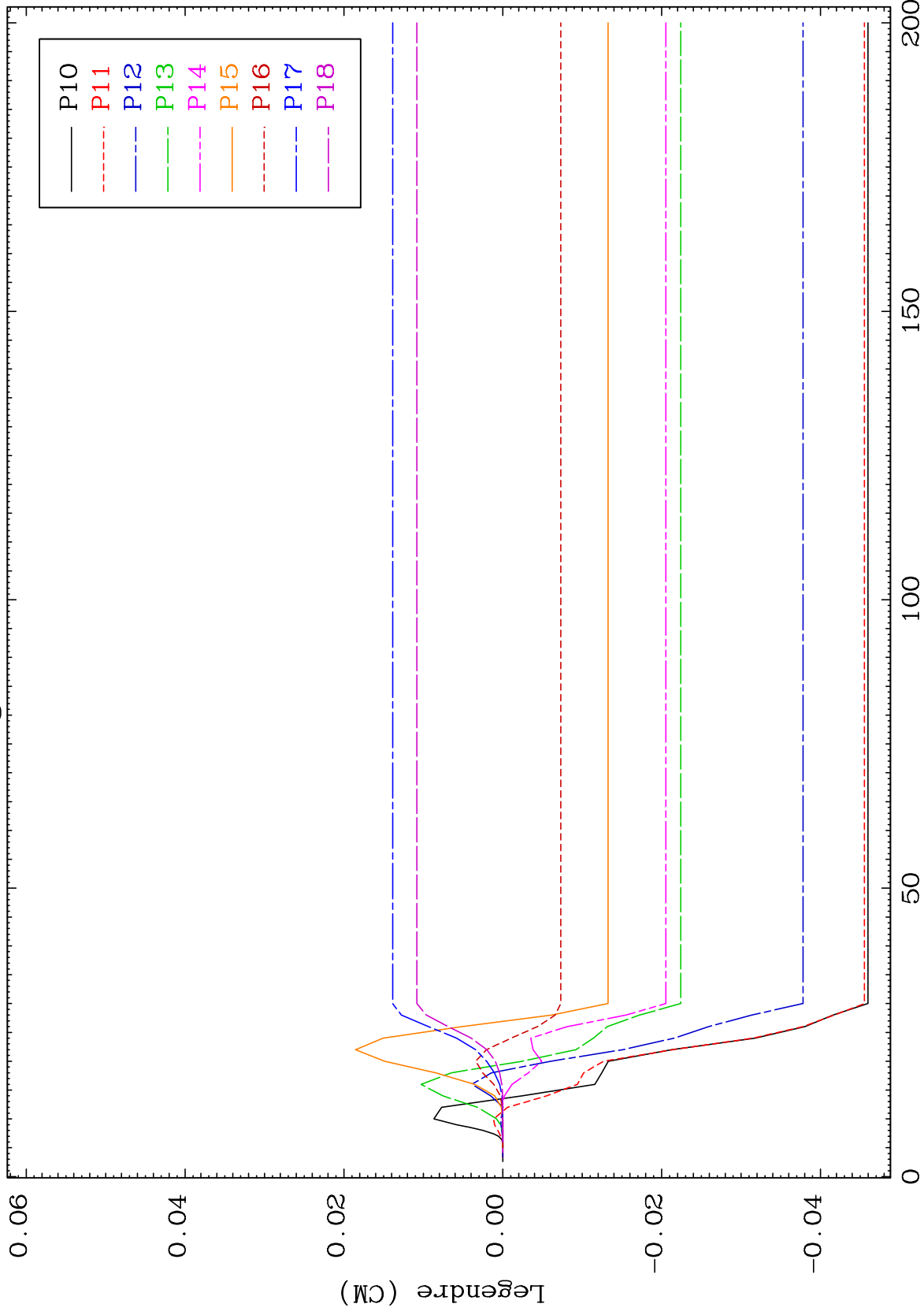
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



96

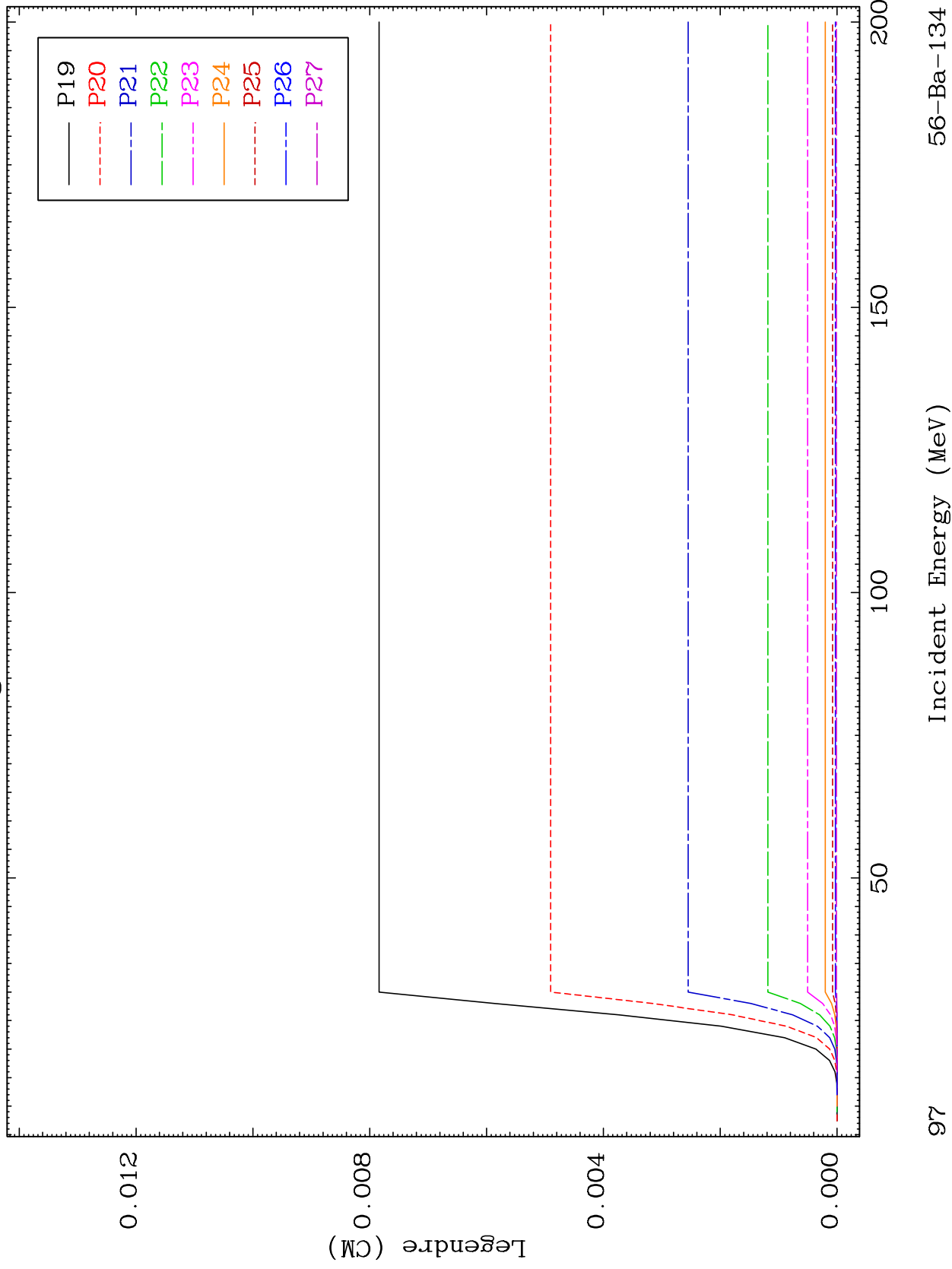
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



97

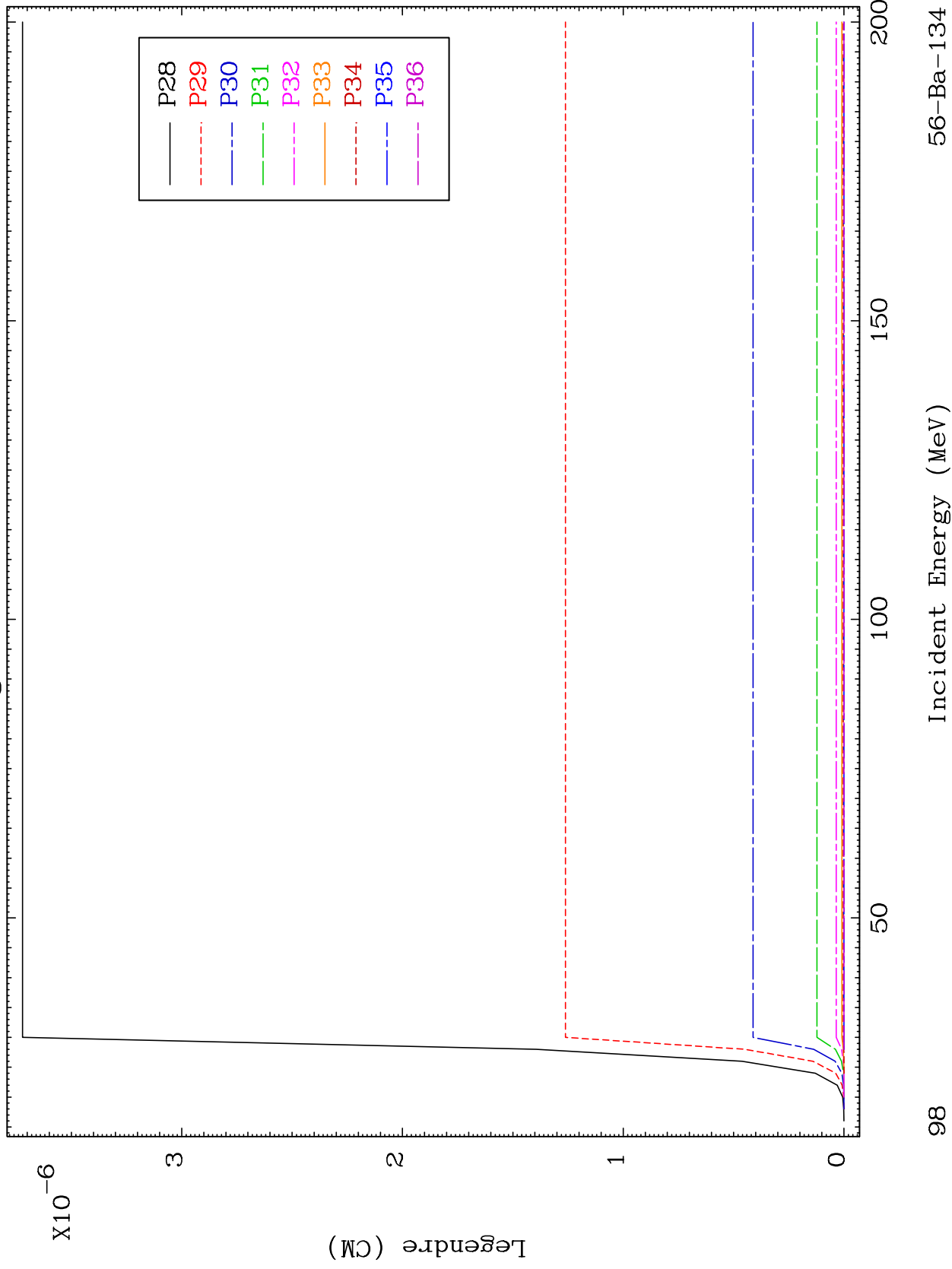
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134

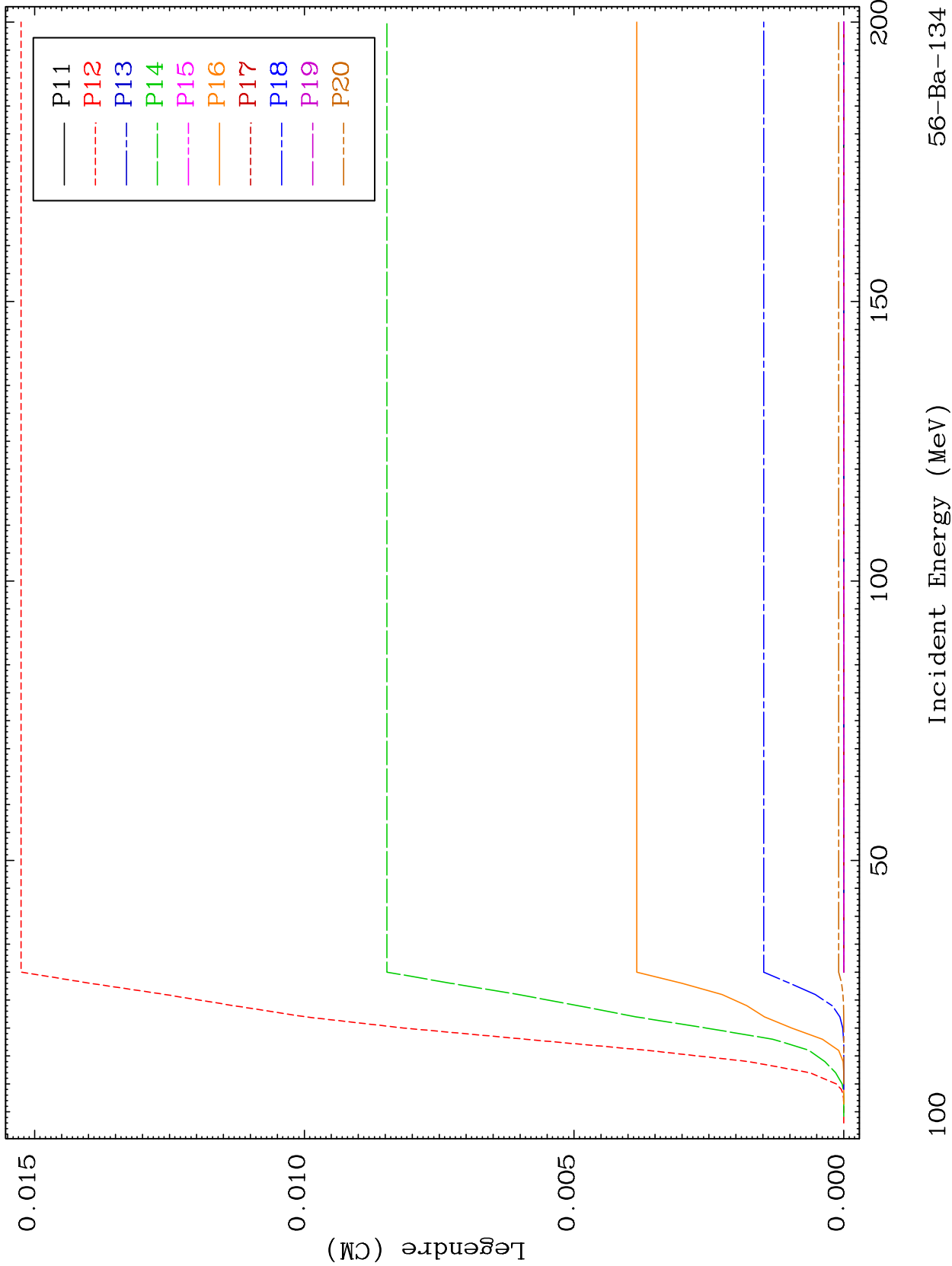




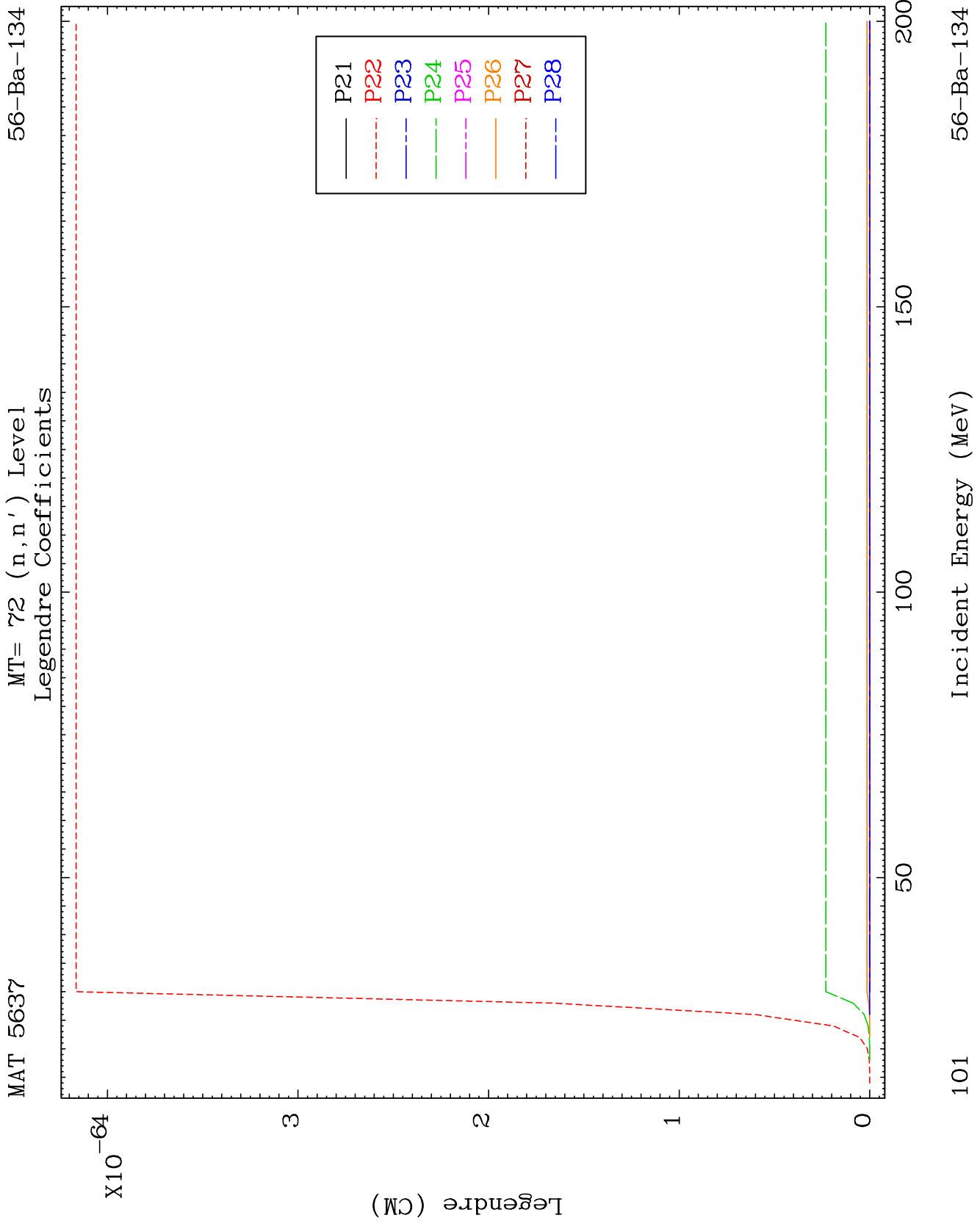
MAT 5637

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

56-Ba-134



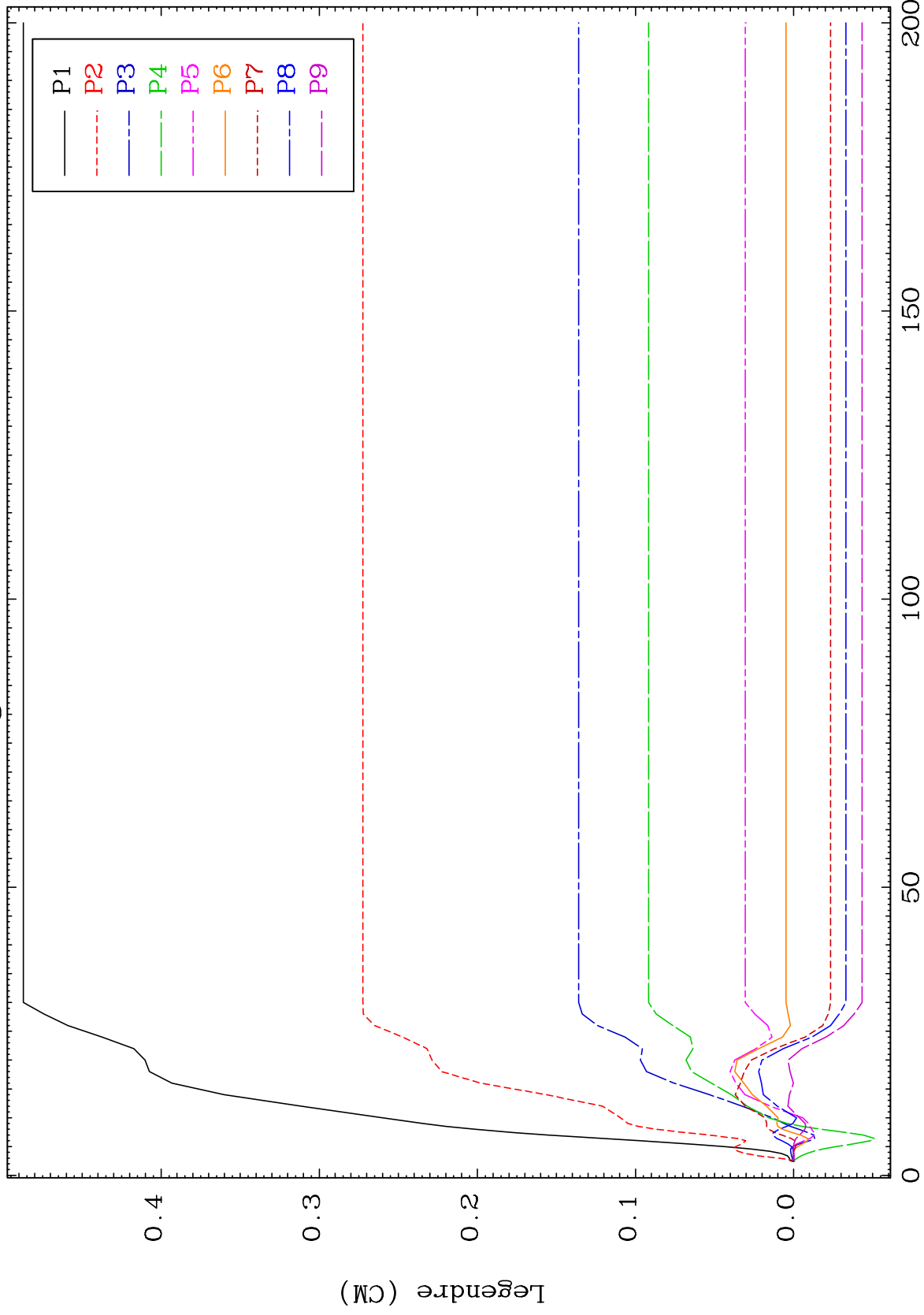
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

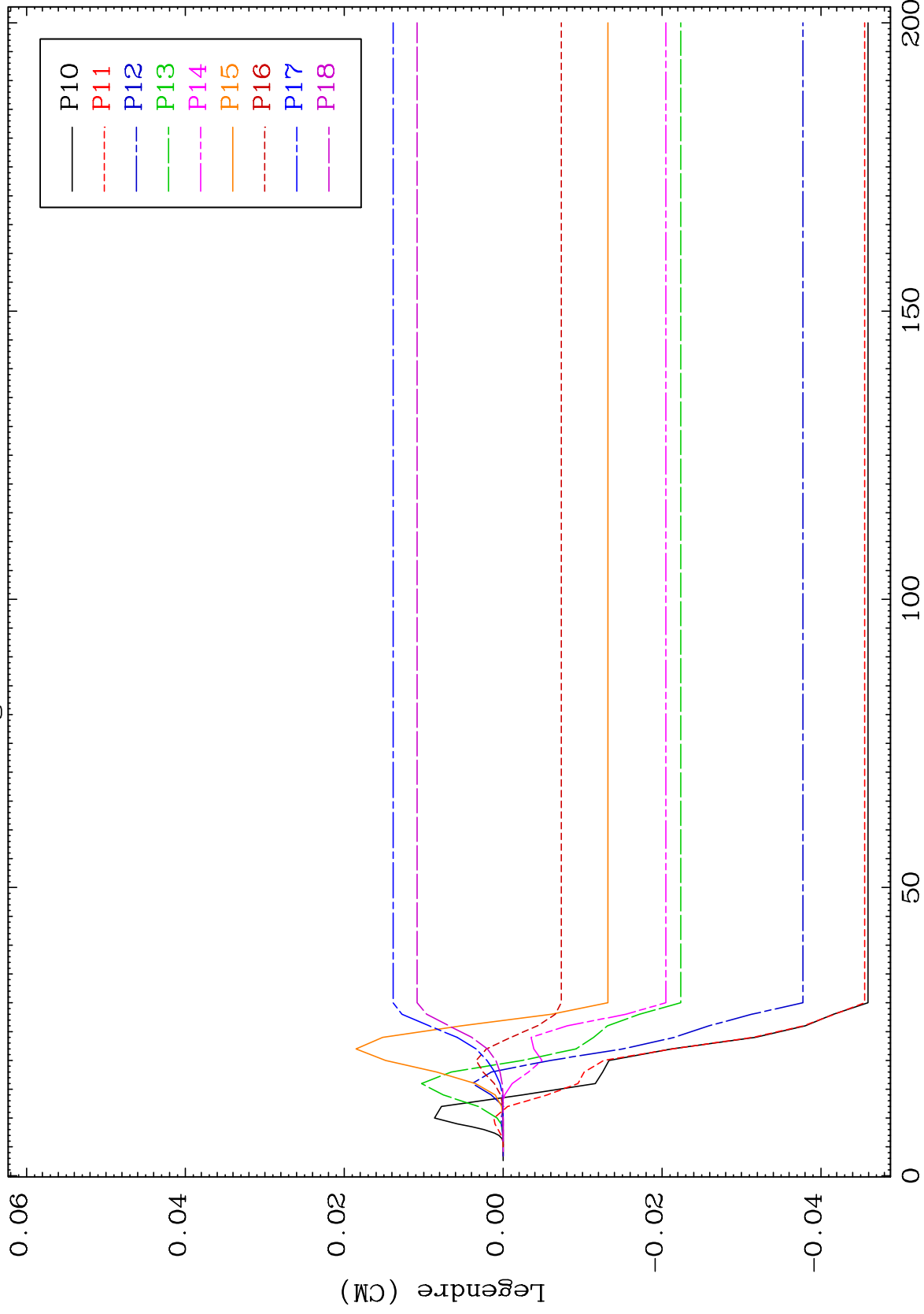
Incident Energy (MeV)

102

MAT 5637

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

56-Ba-134



103

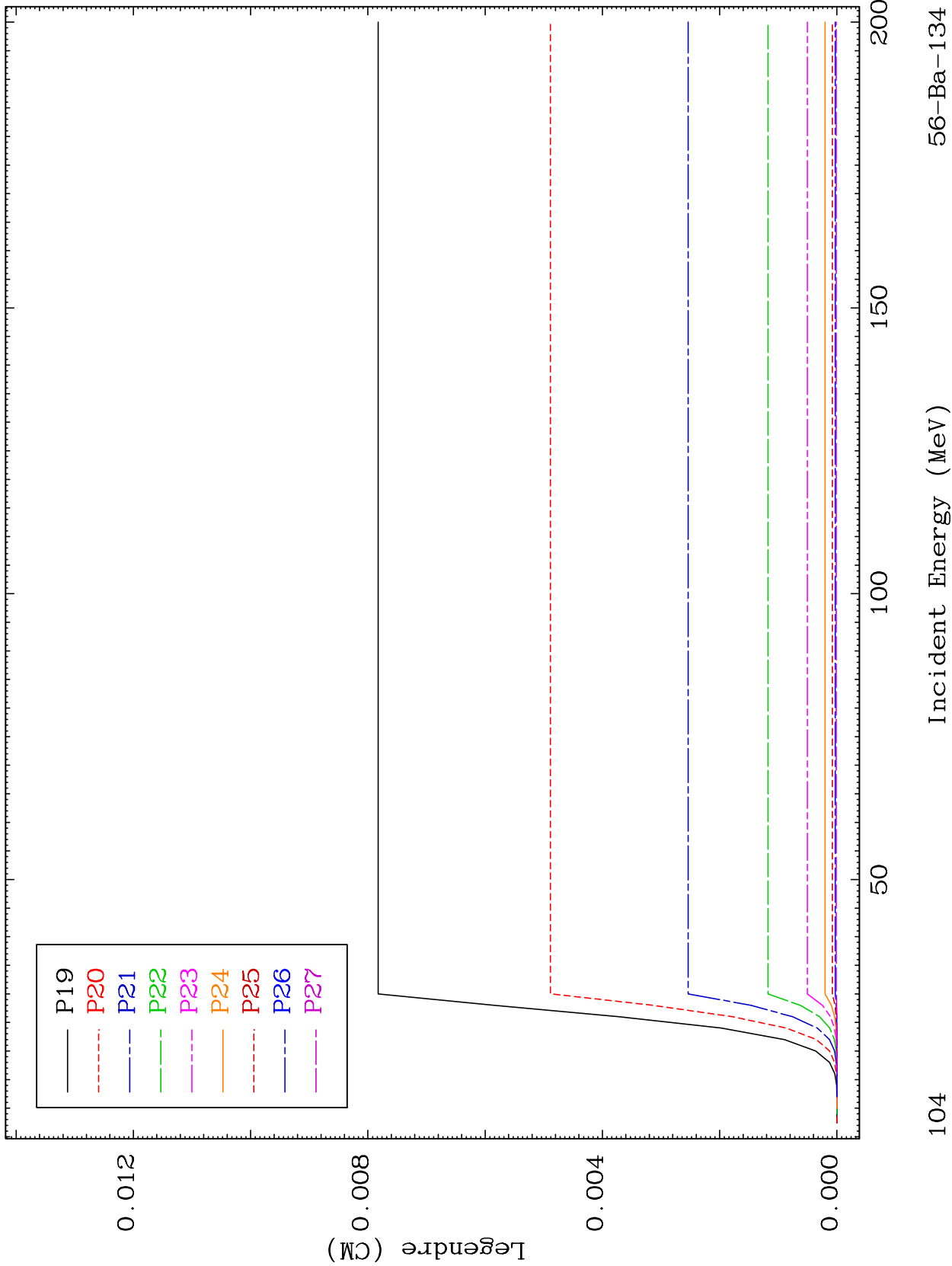
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

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



104

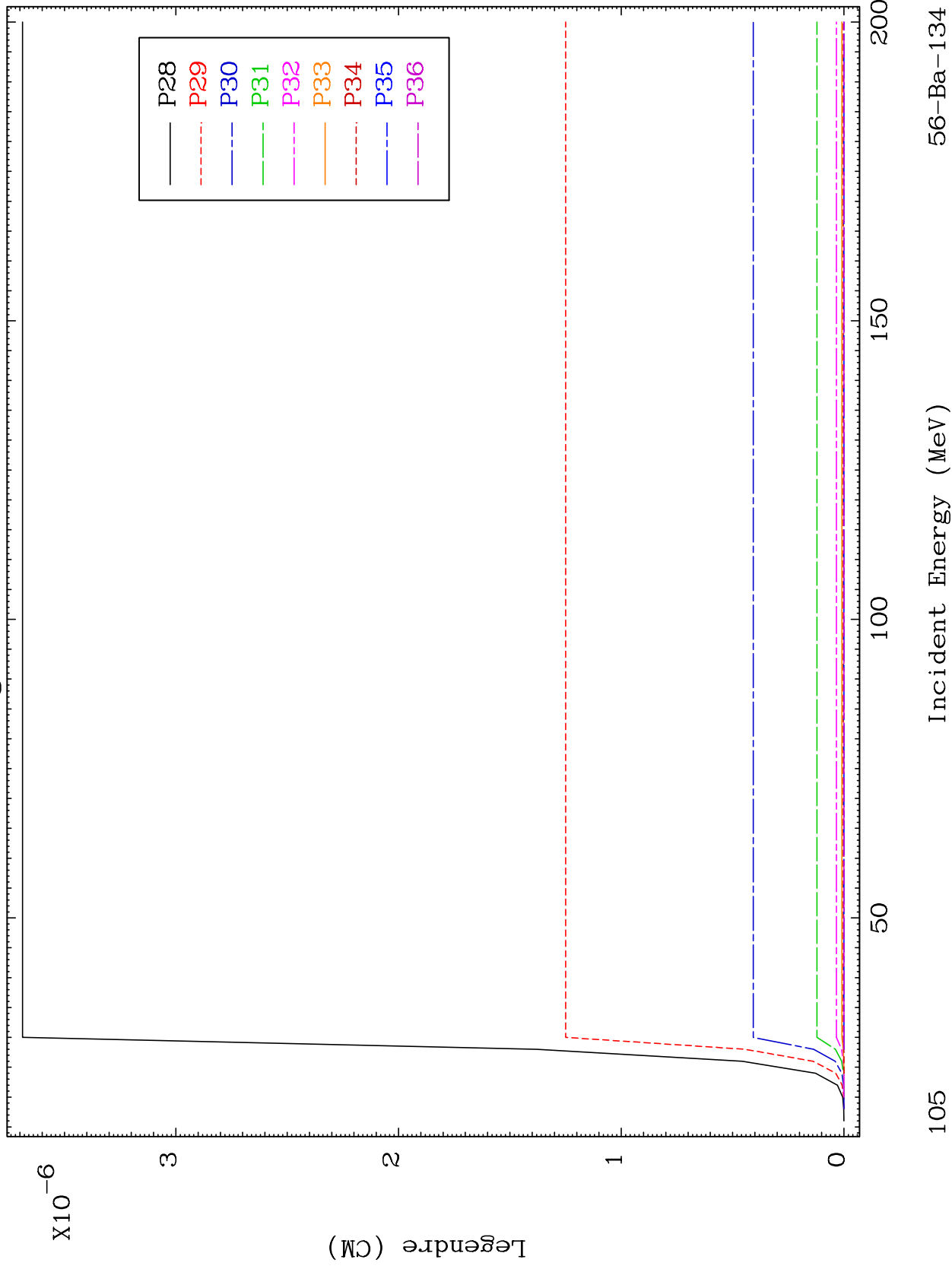
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

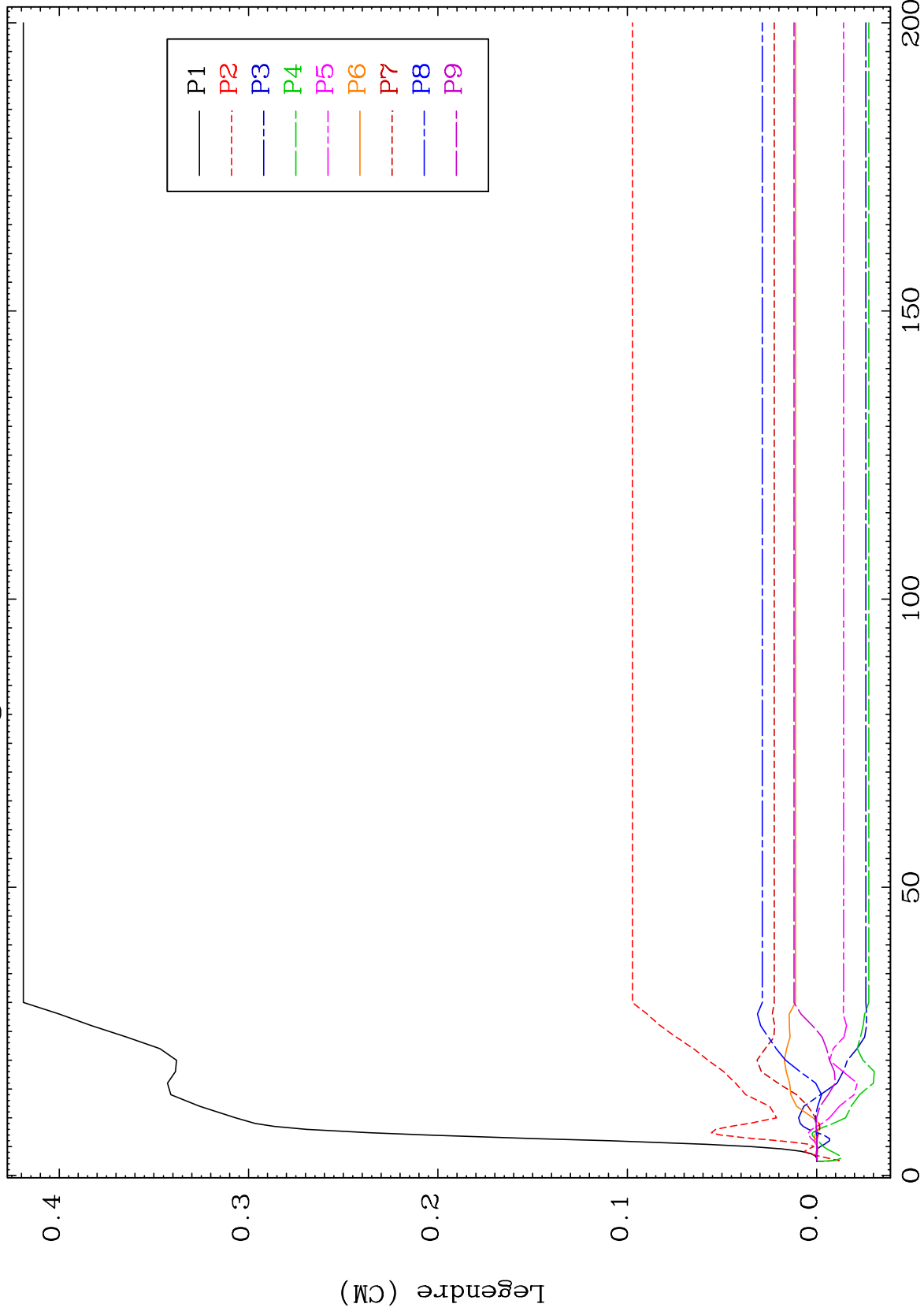
56-Ba-134



MAT 5637

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

56-Ba-134



106

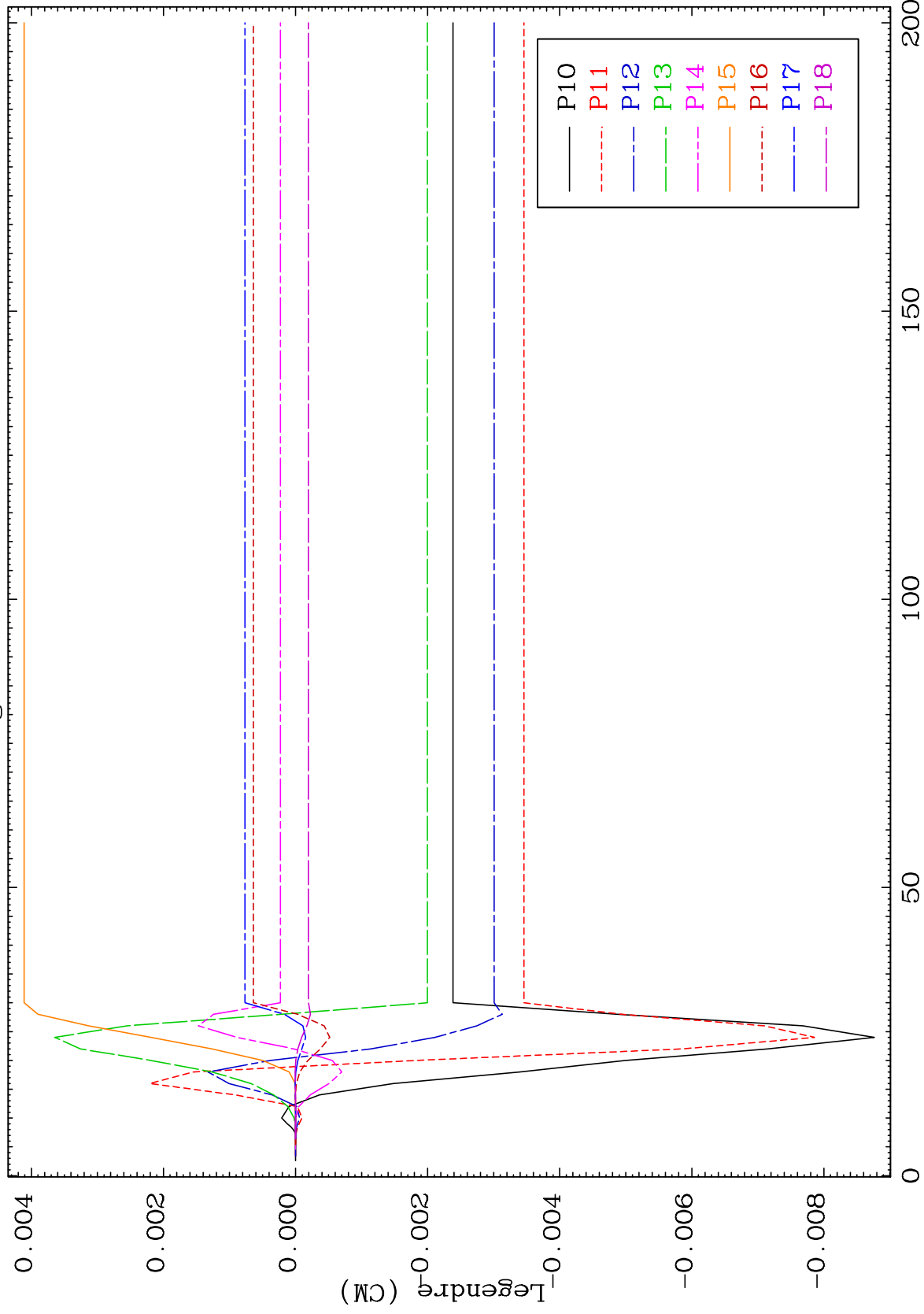
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

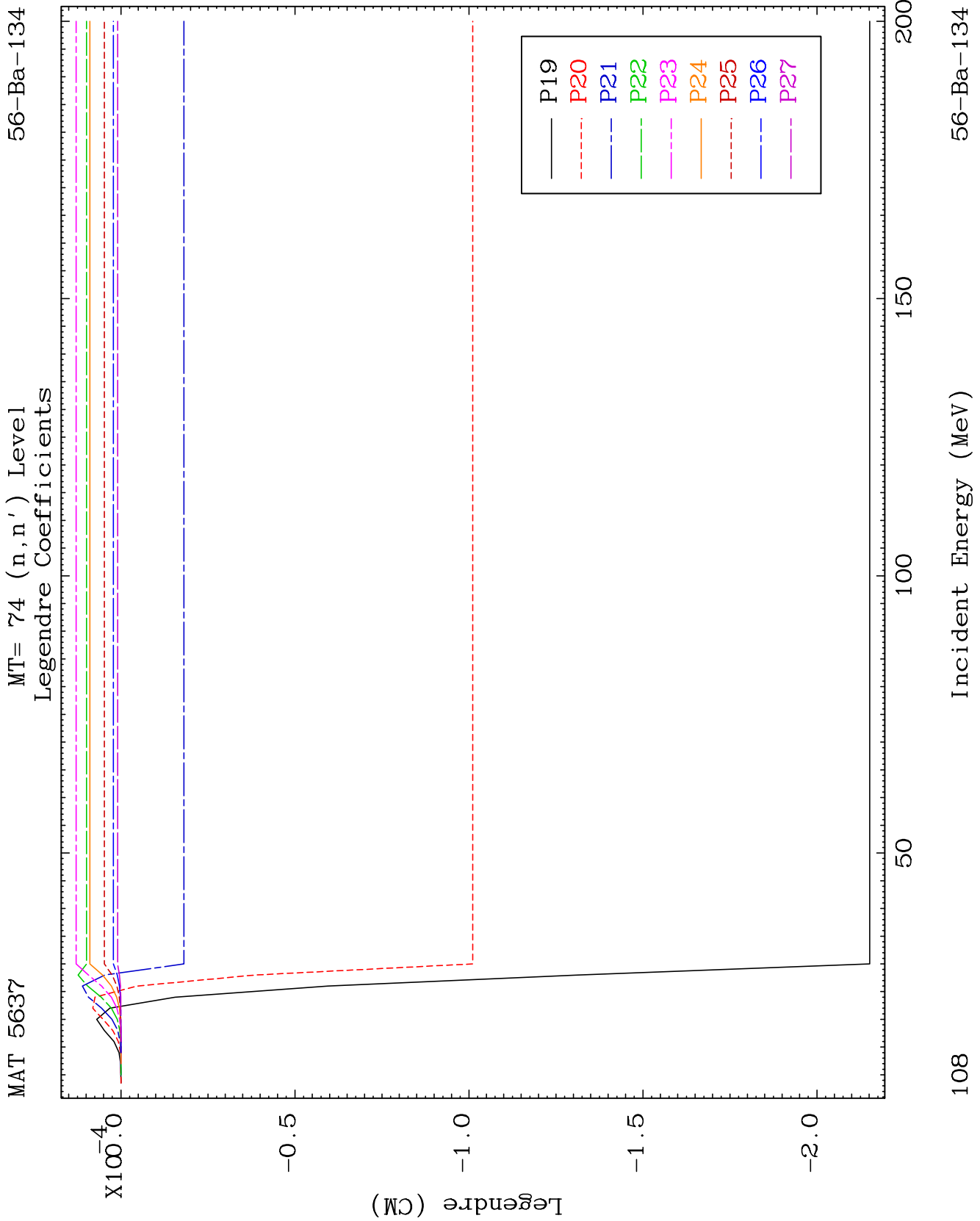
56-Ba-134



107

Incident Energy (MeV)

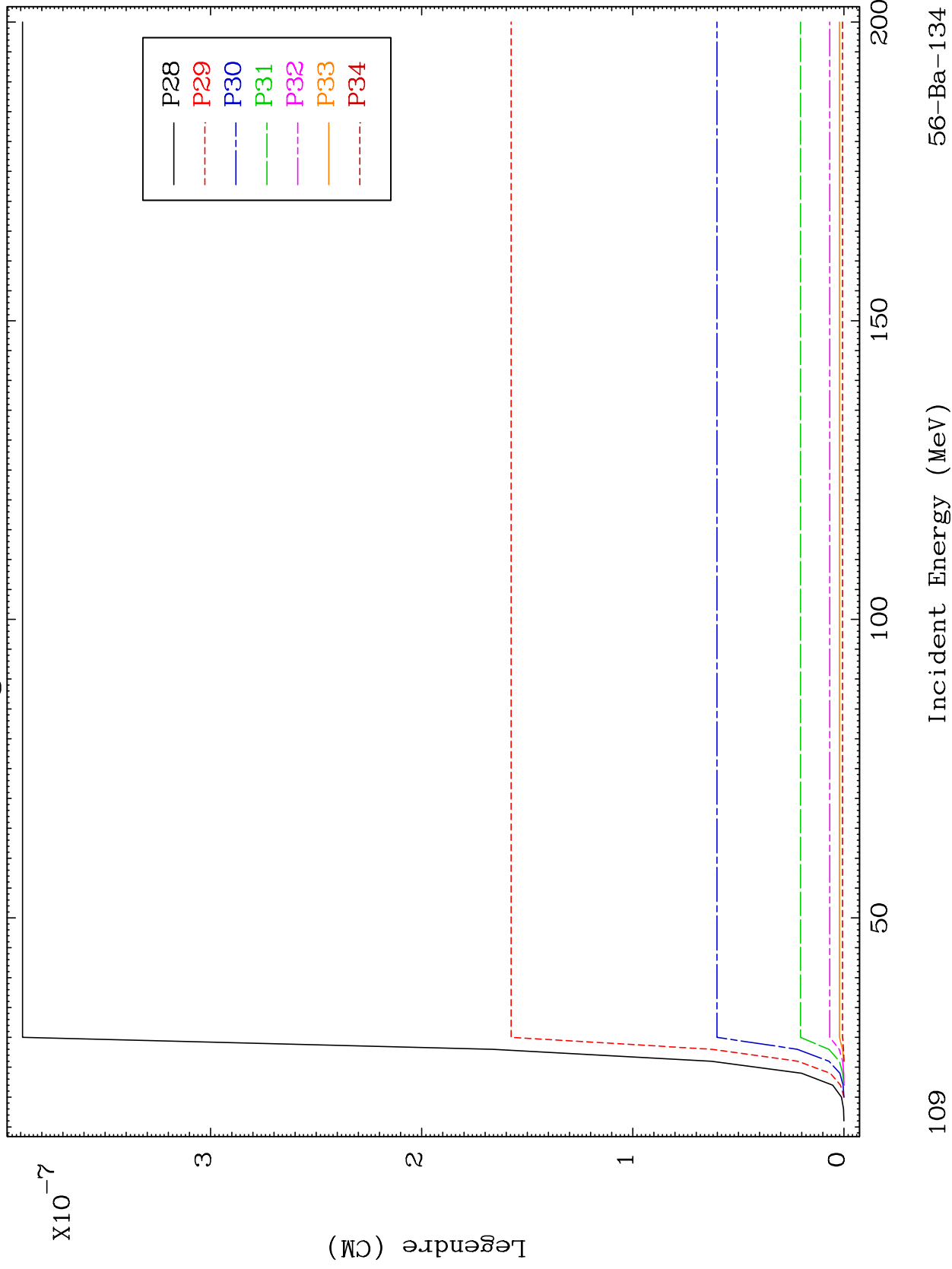
56-Ba-134

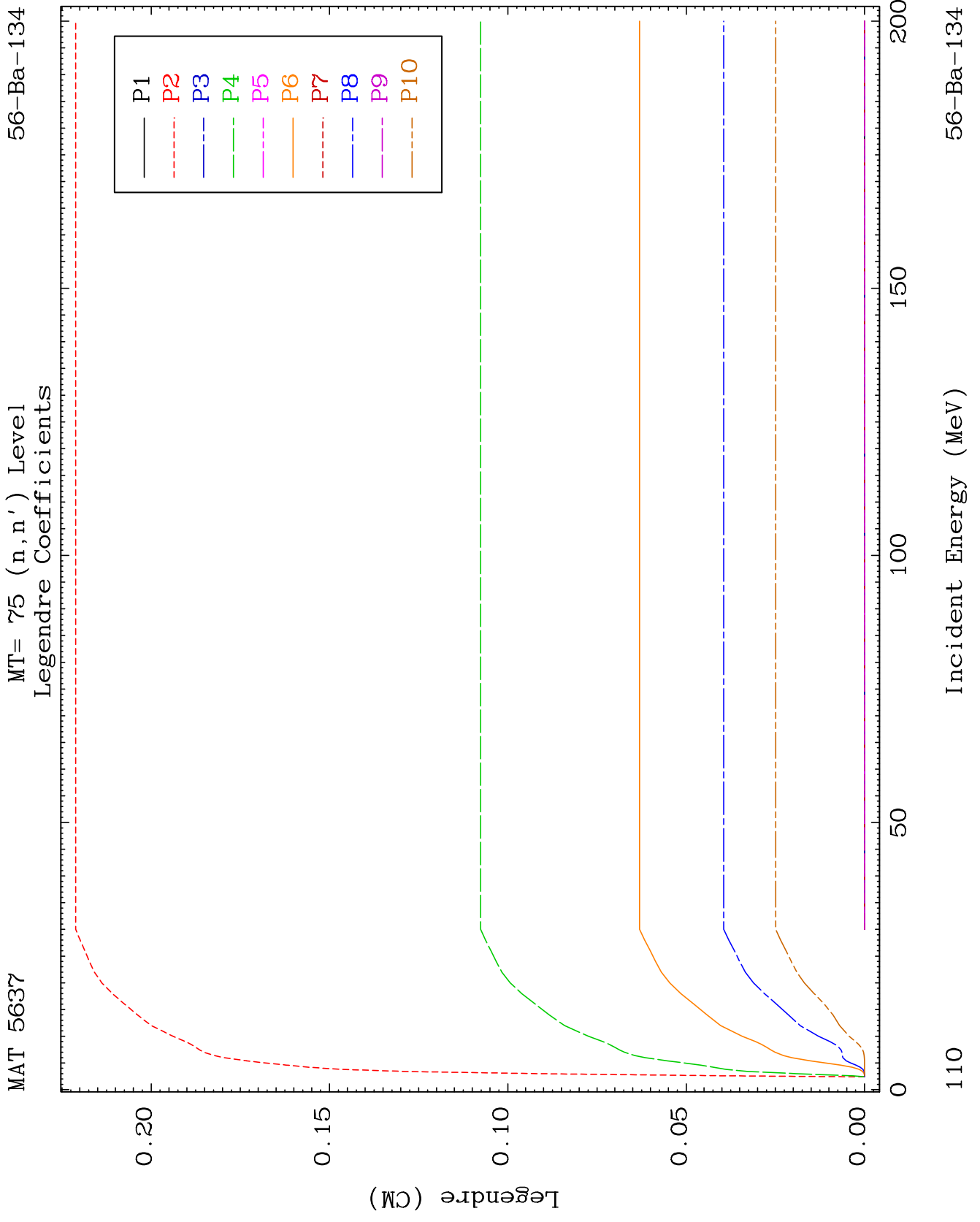


MAT 5637

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

56-Ba-134

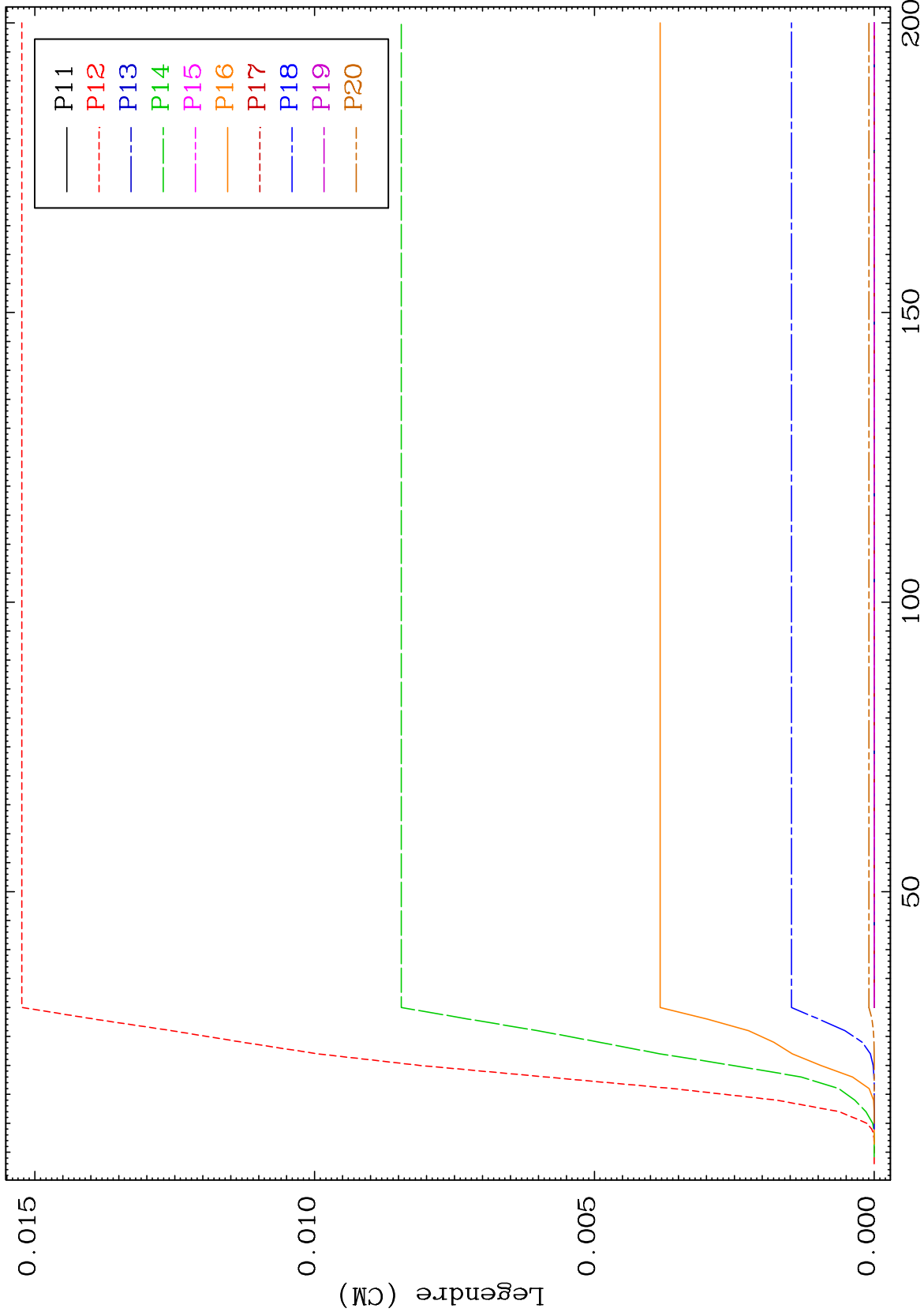




MAT 5637

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

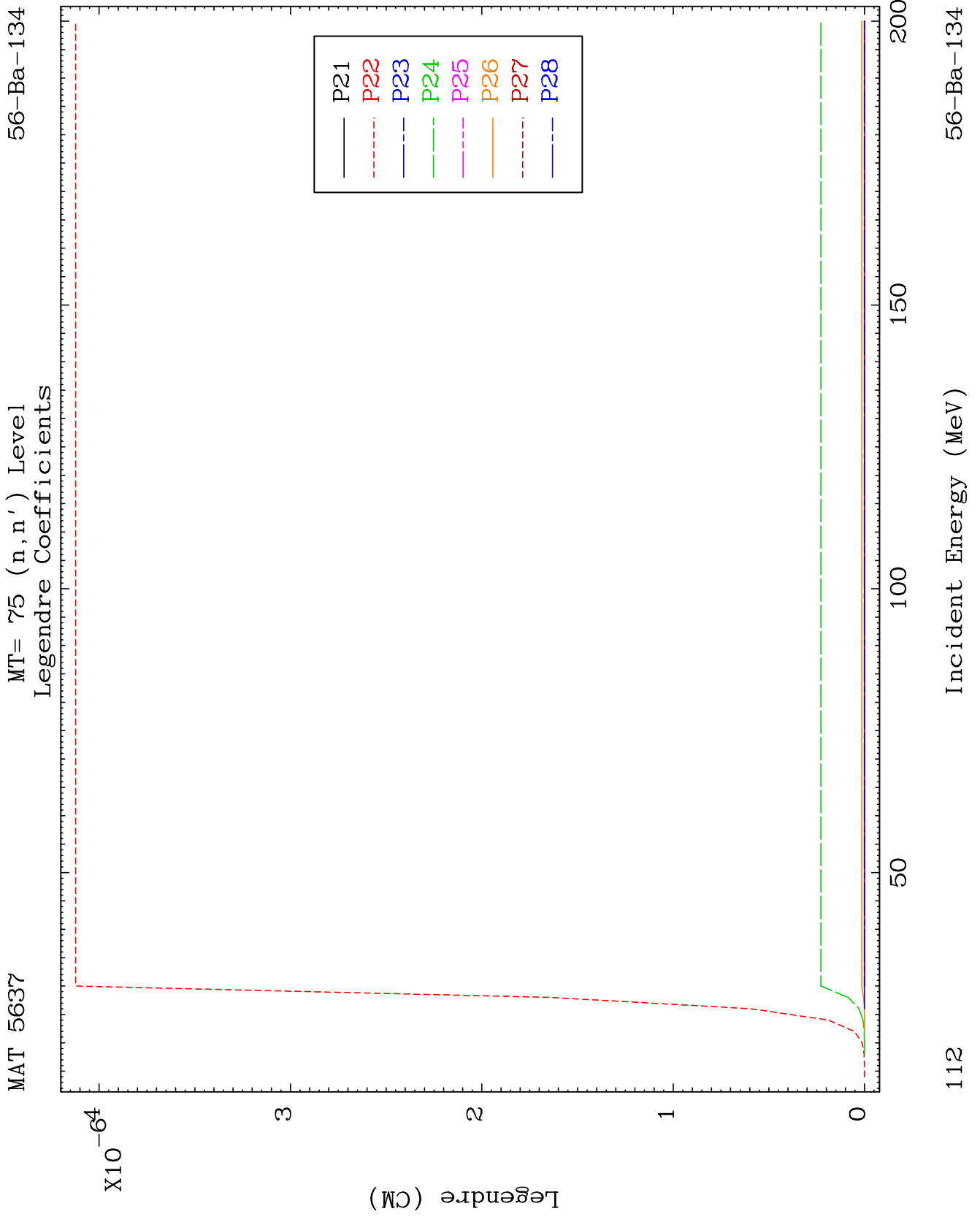
56-Ba-134



111

Incident Energy (MeV)

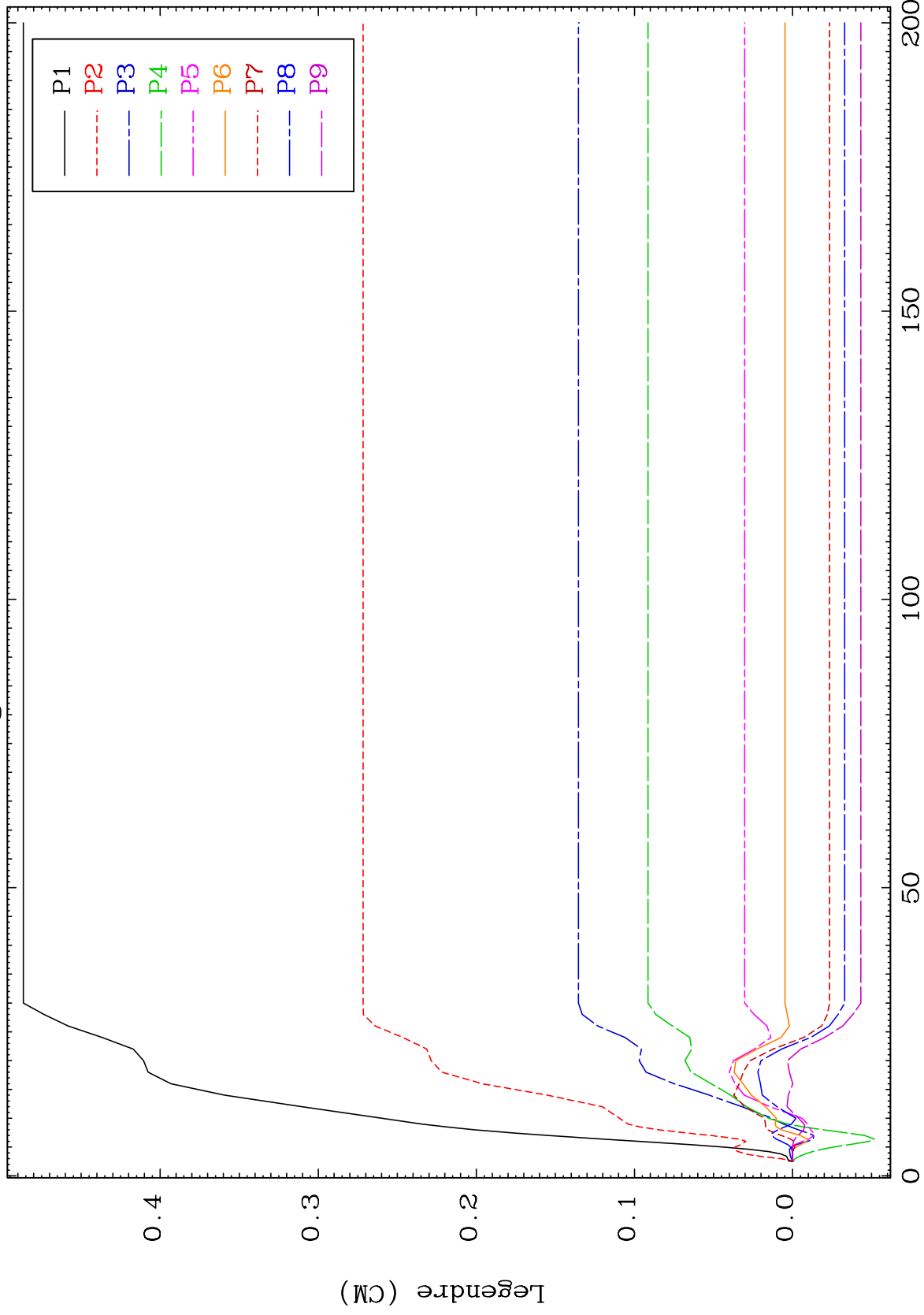
56-Ba-134



MAT 5637

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

56-Ba-134



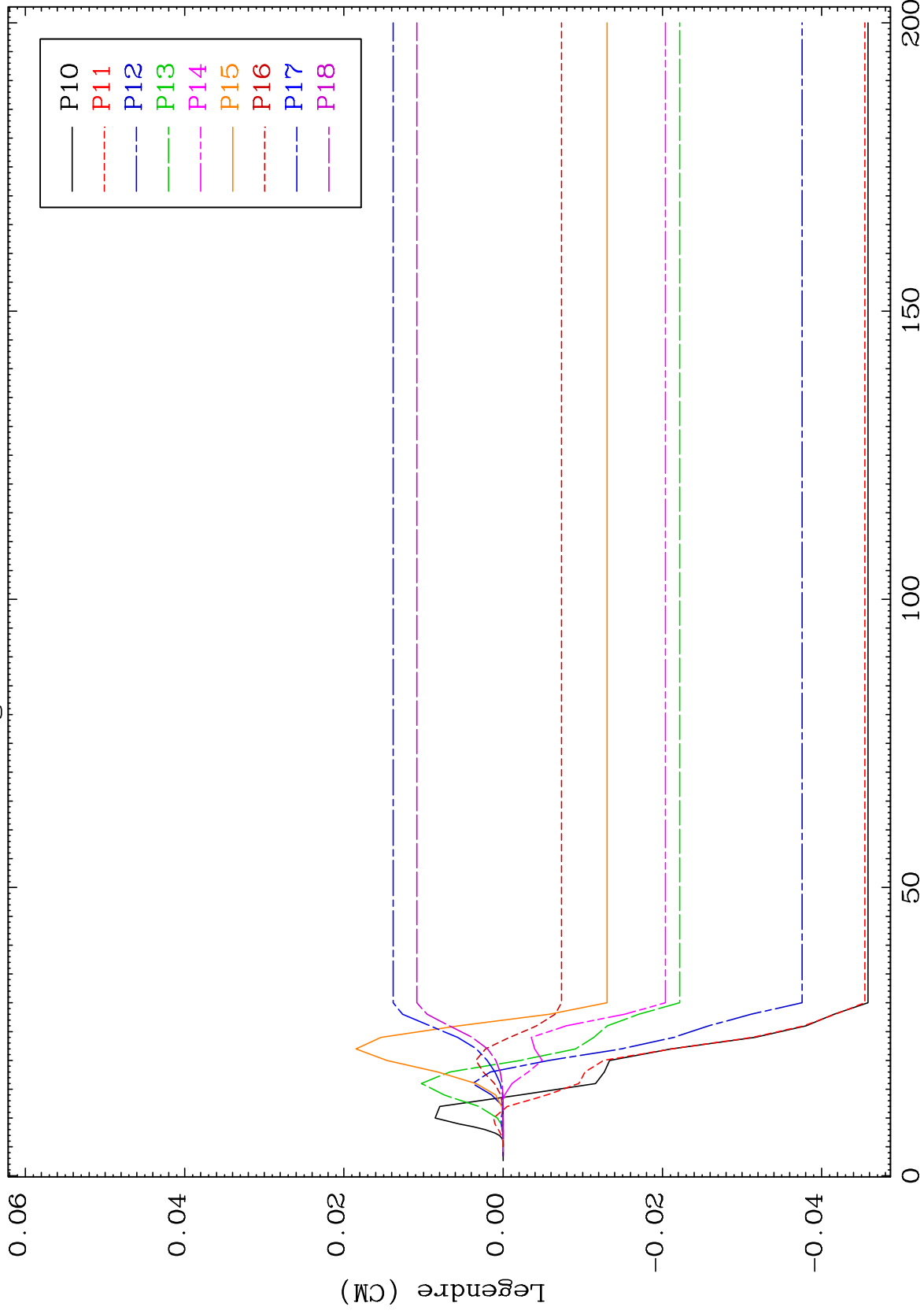
113

56-Ba-134

MAT 5637

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

56-Ba-134



114

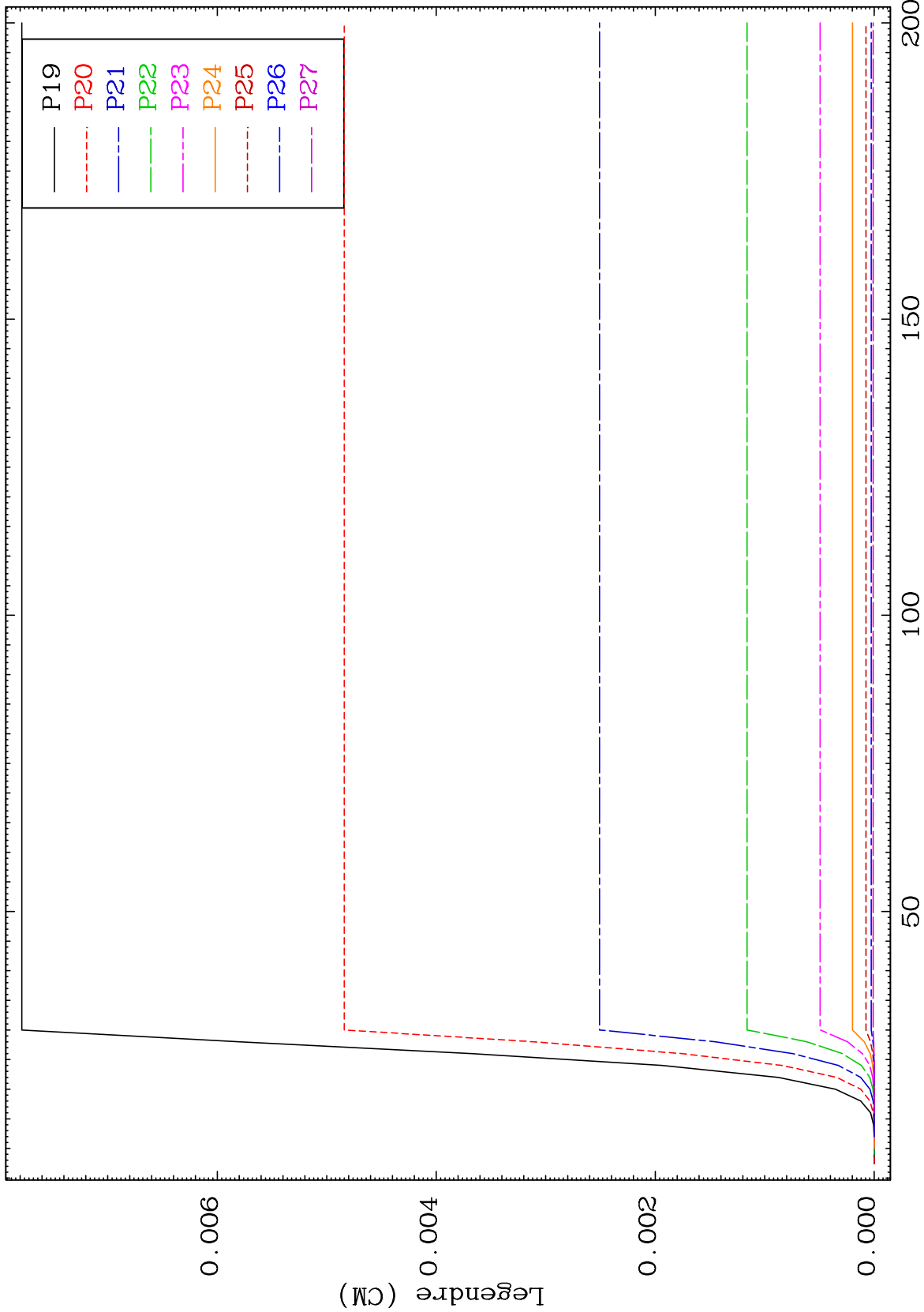
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



115

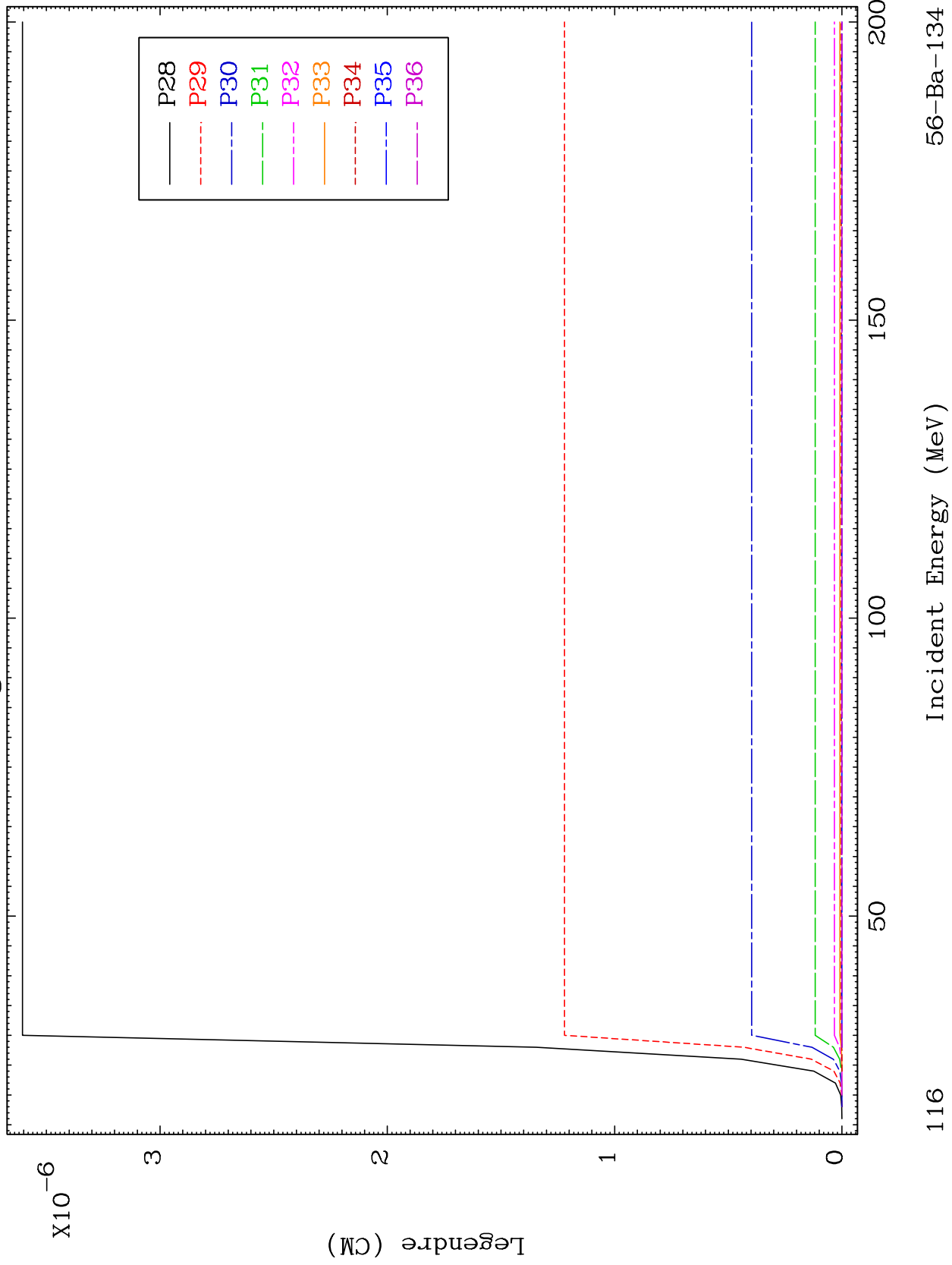
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

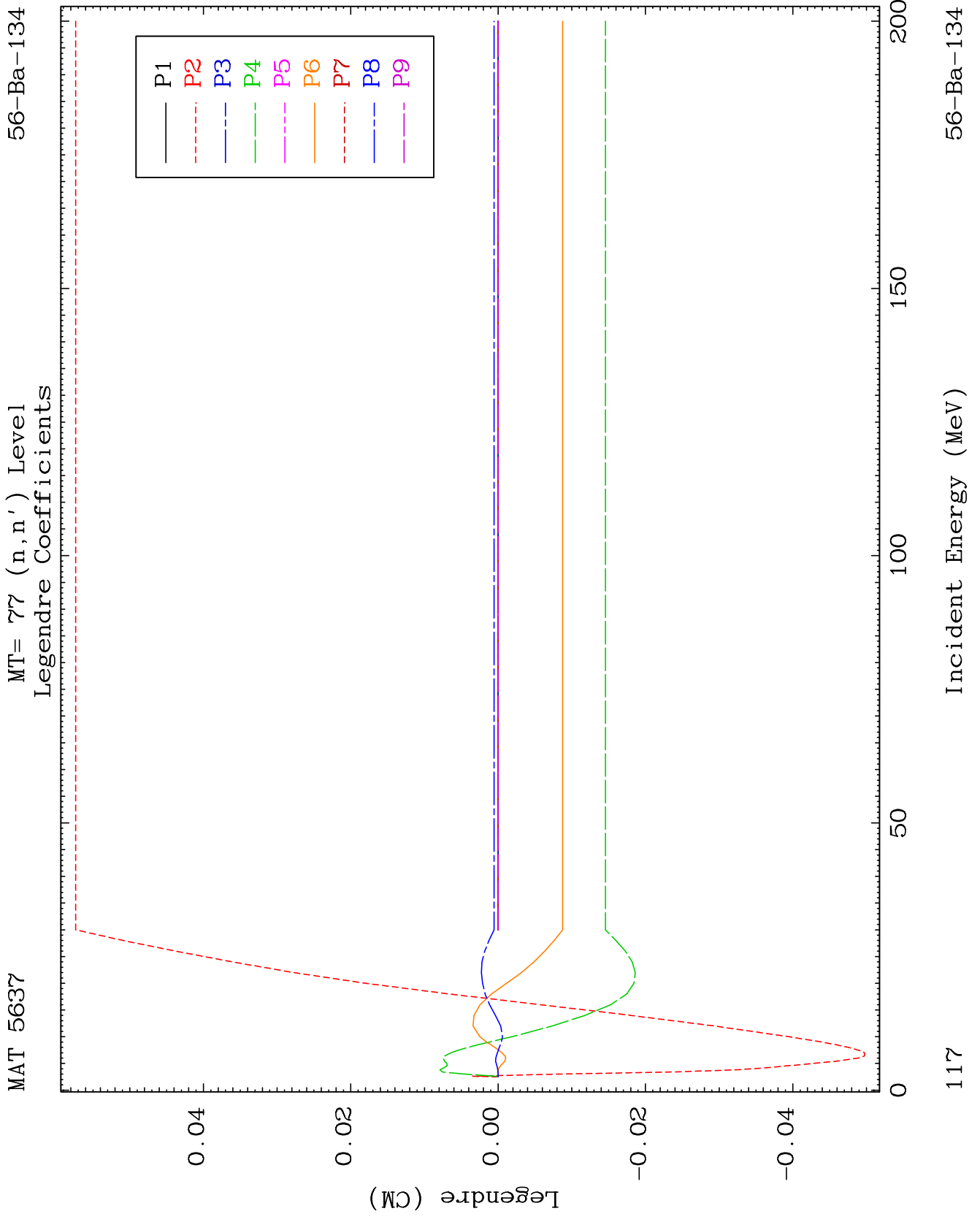
56-Ba-134



116

Incident Energy (MeV)

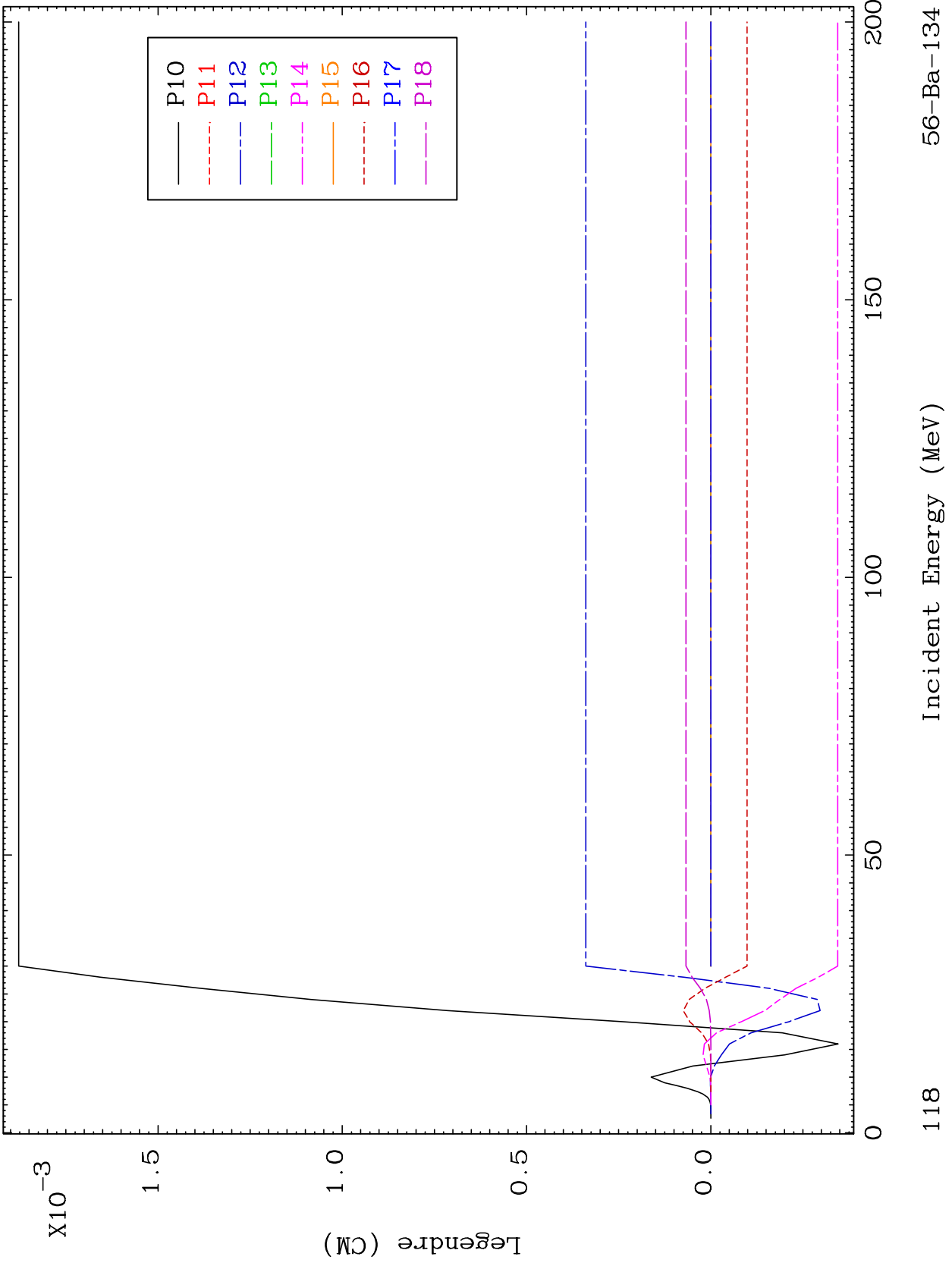
56-Ba-134



MAT 5637

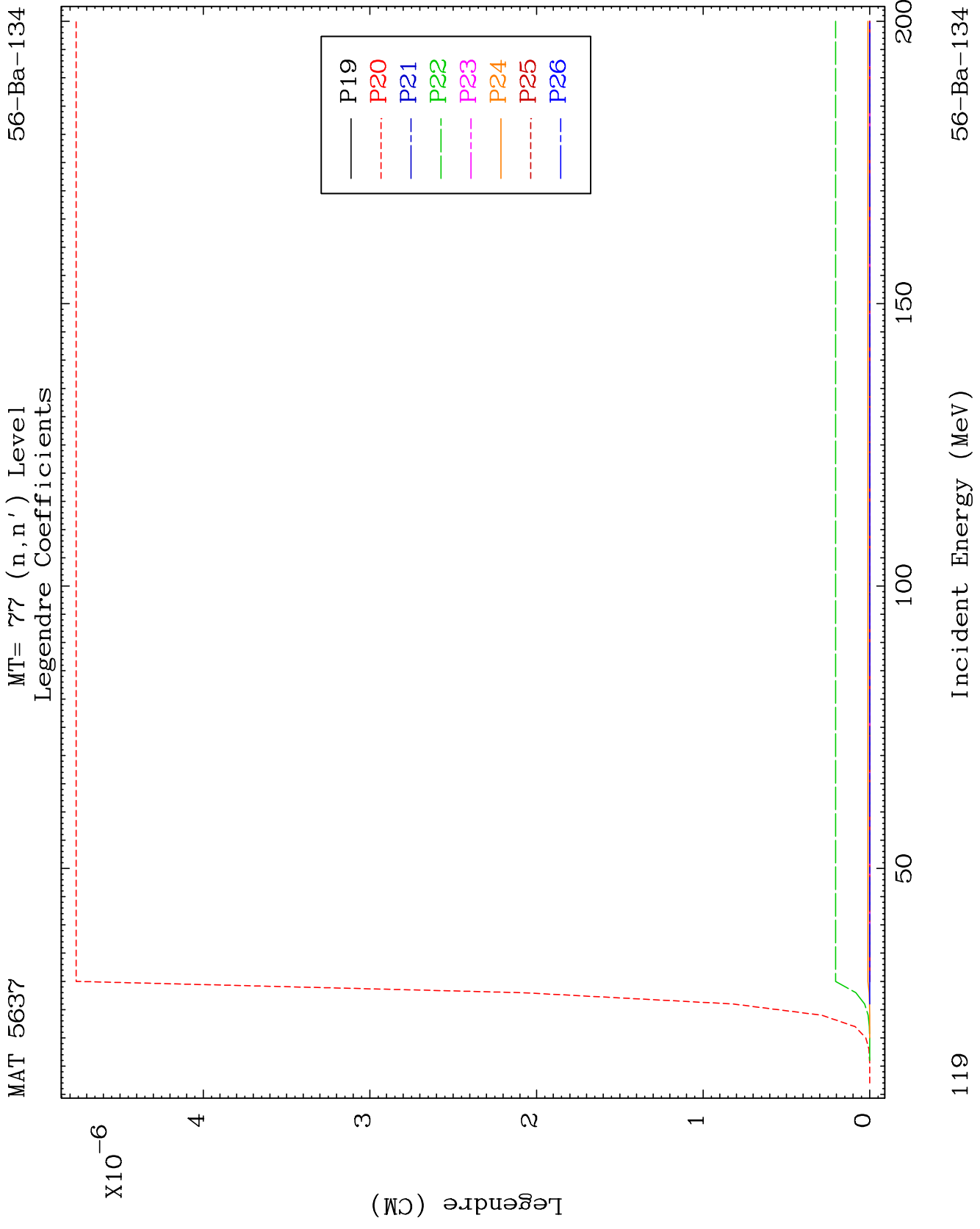
MT= 77 (n,n') Level  
Legendre Coefficients

56-Ba-134



118

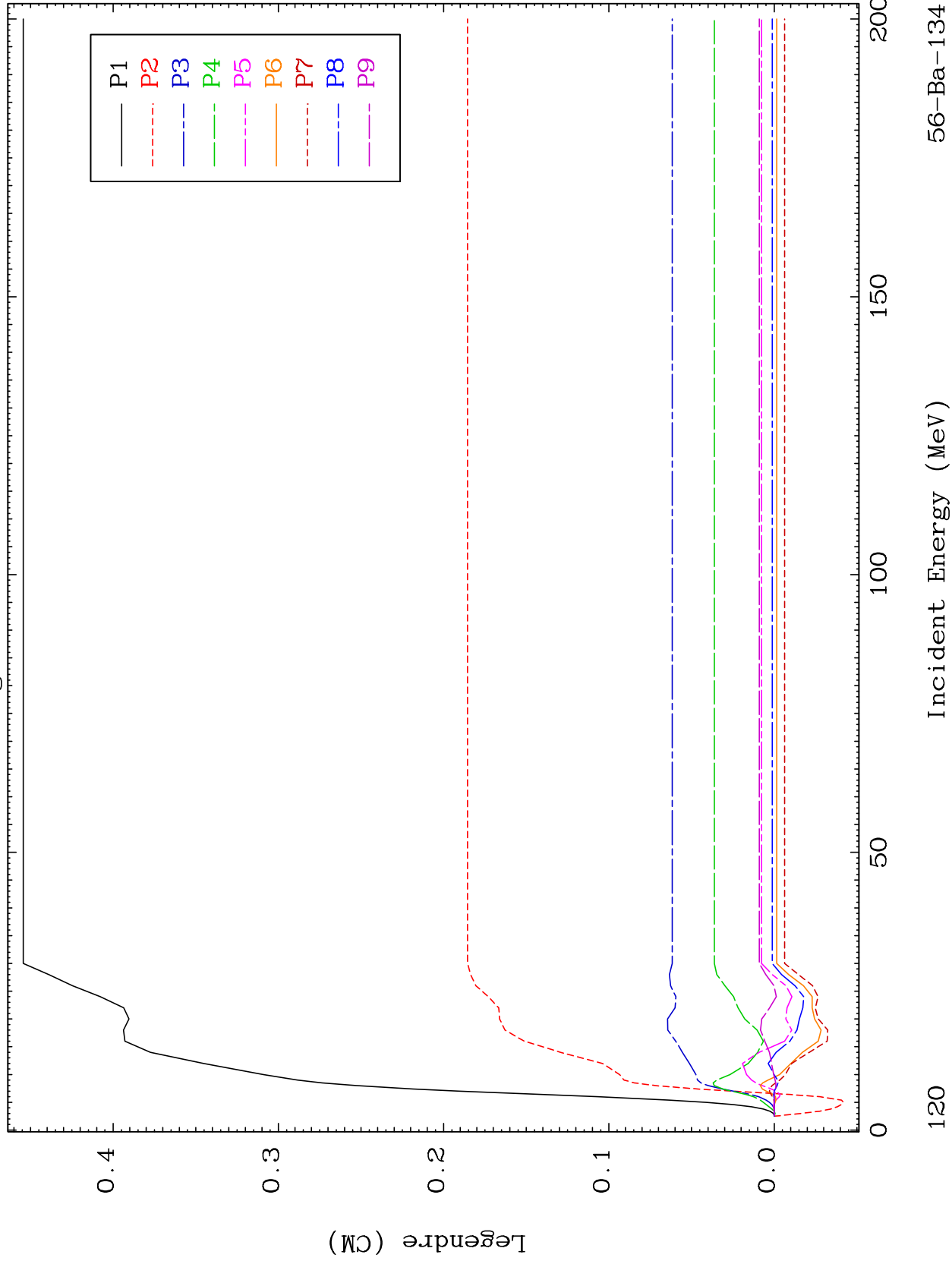
56-Ba-134



MAT 5637

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

56-Ba-134



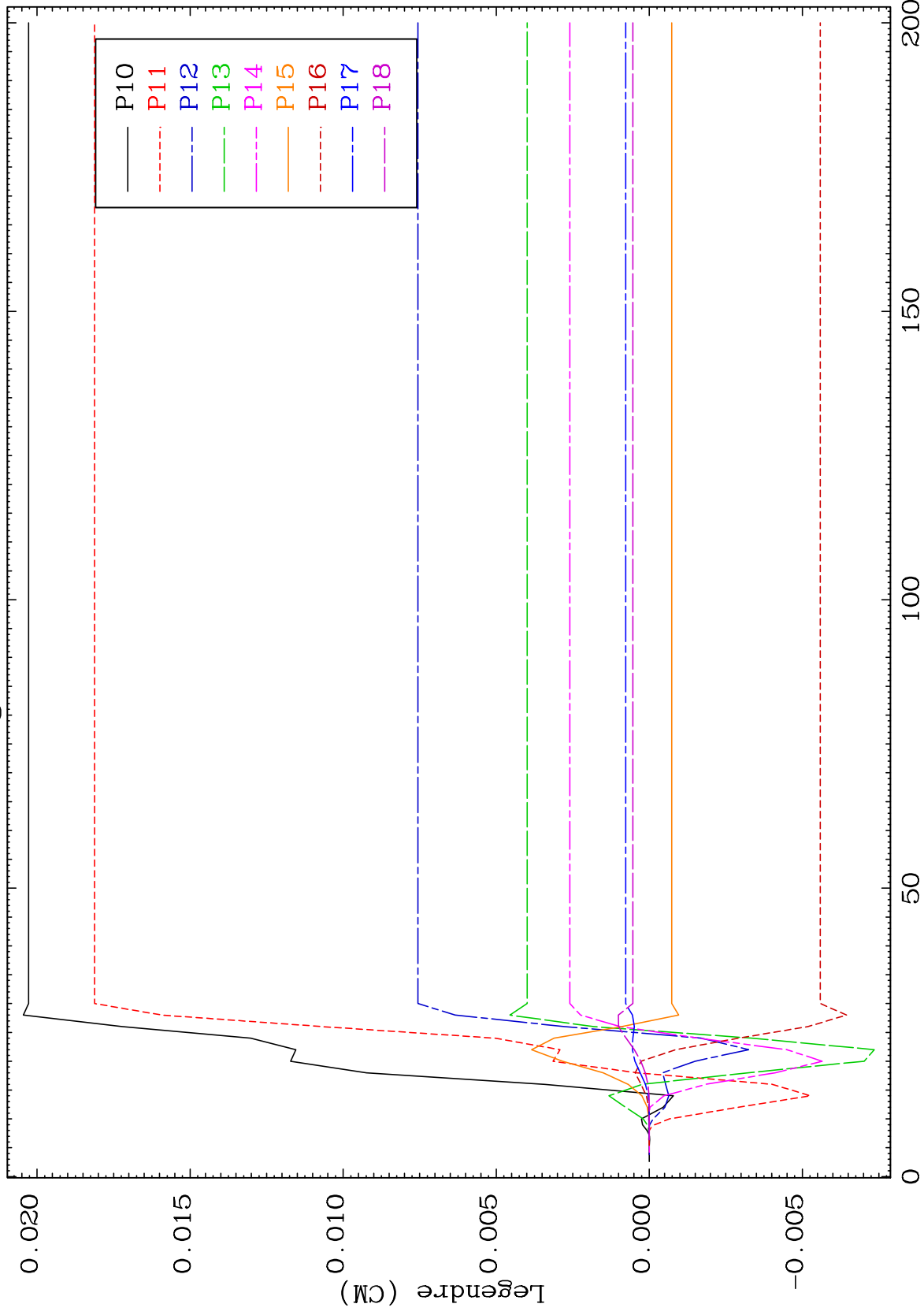
56-Ba-134

Incident Energy (MeV)

MAT 5637

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

56-Ba-134



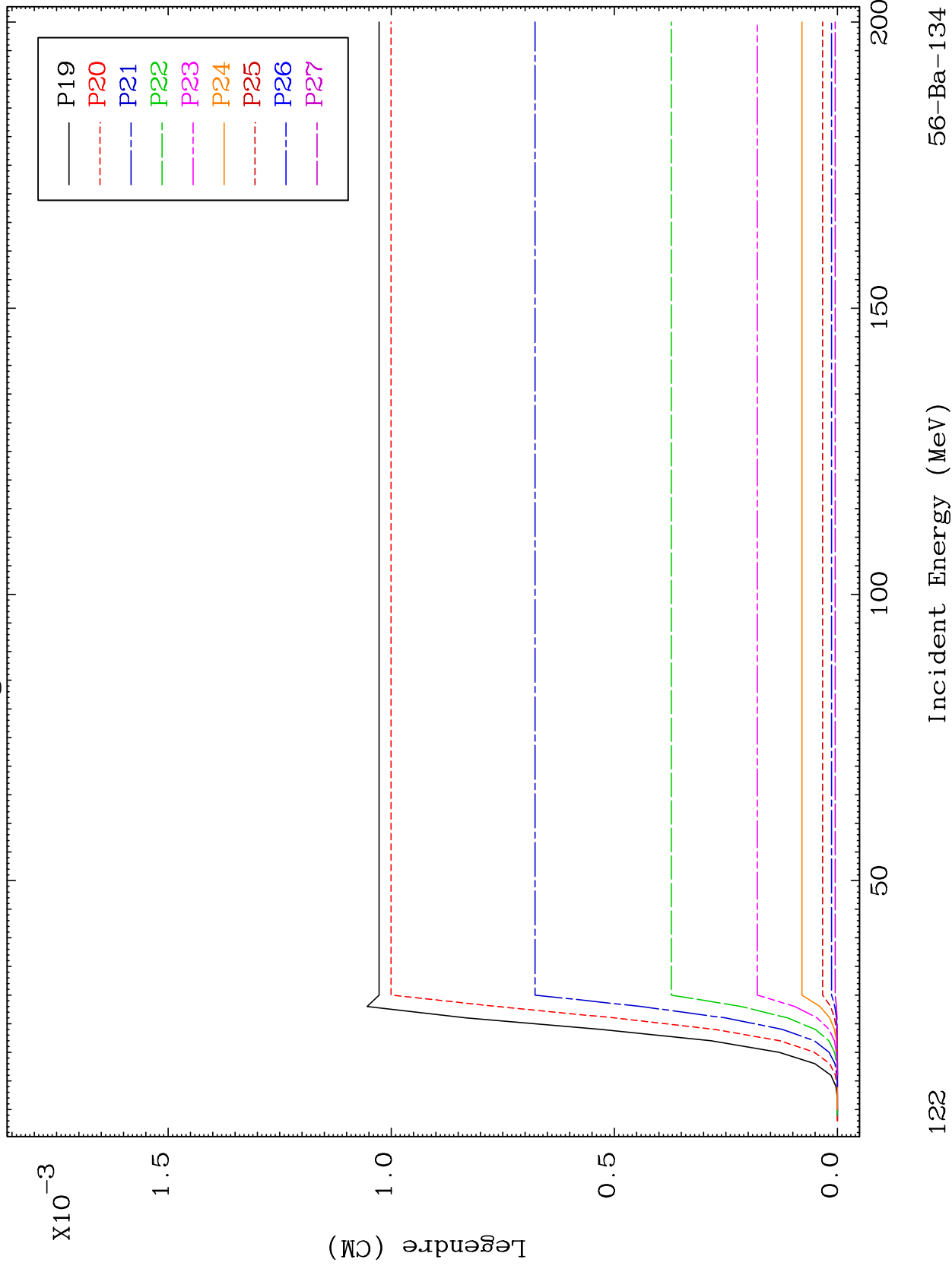
121

56-Ba-134

MAT 5637

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

56-Ba-134



122

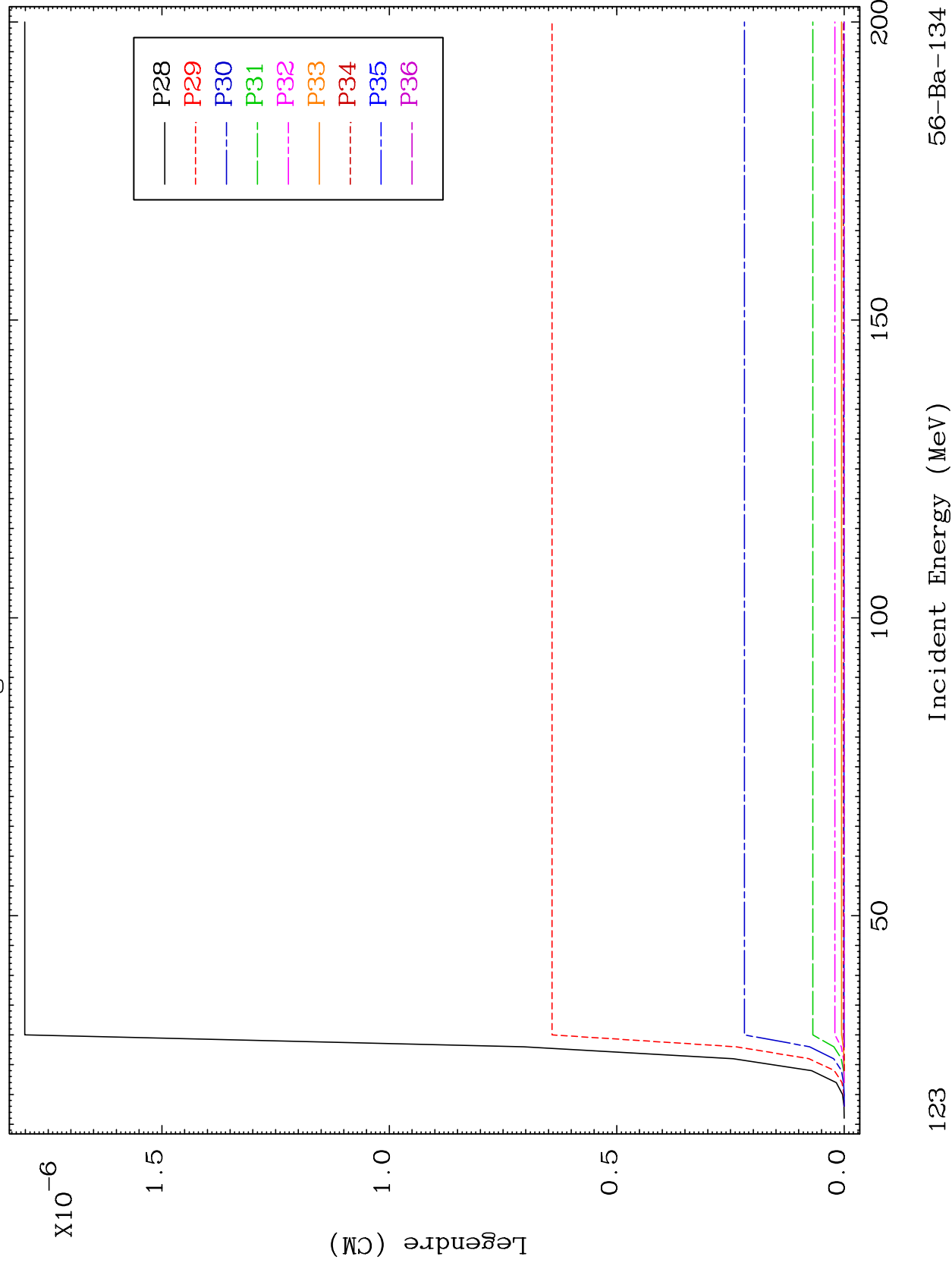
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134

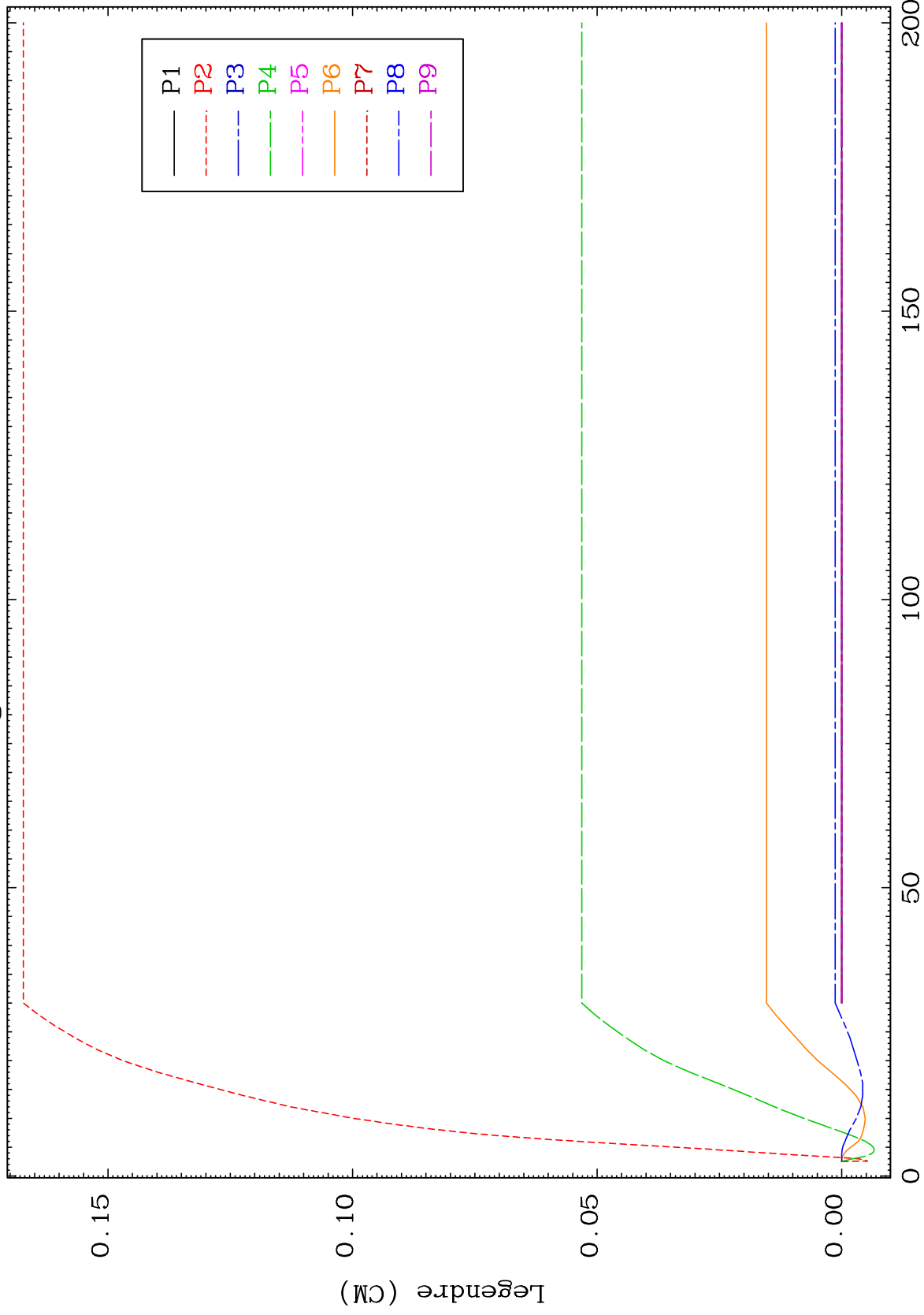


123

MAT 5637

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

56-Ba-134



124

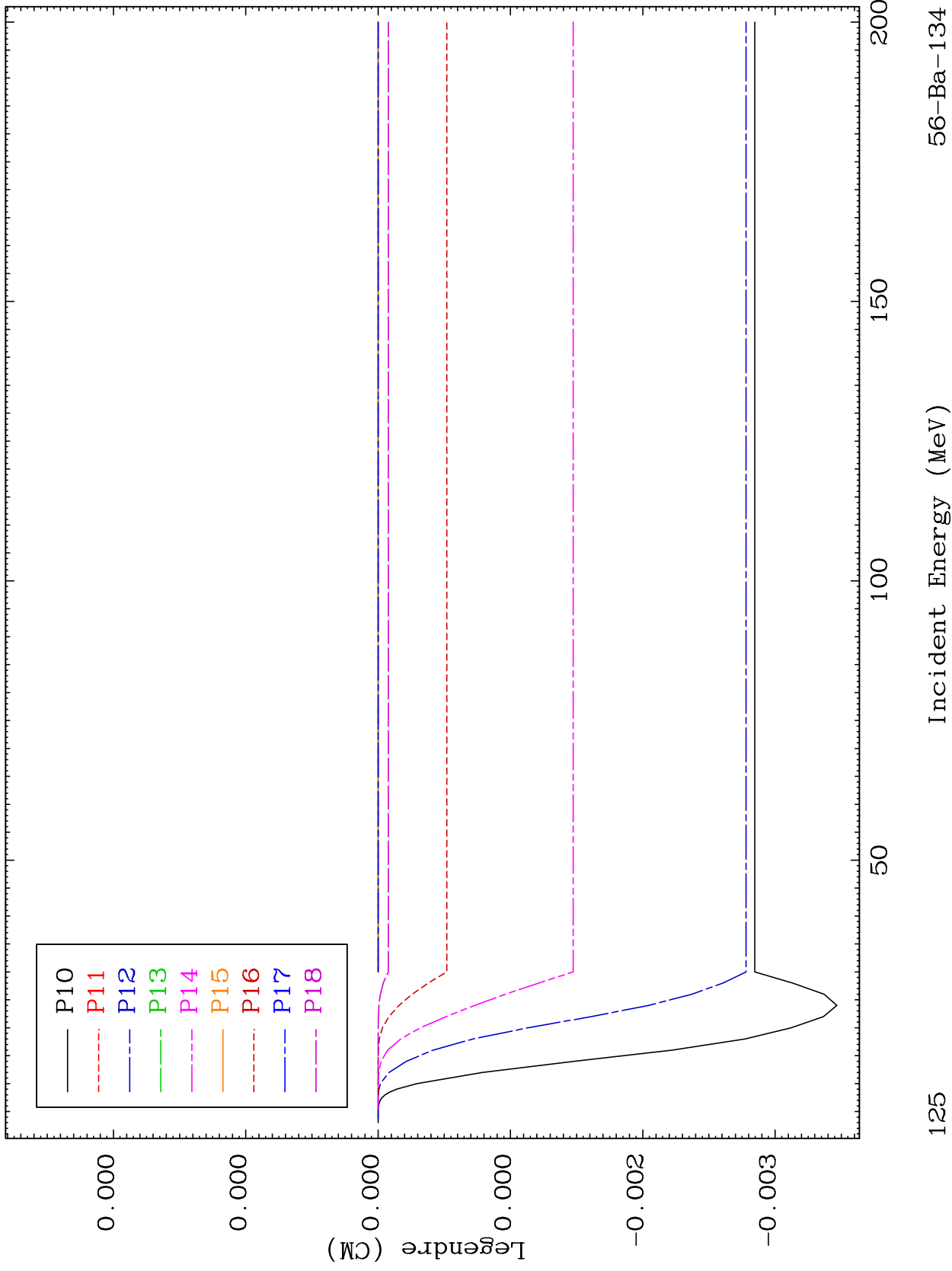
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134

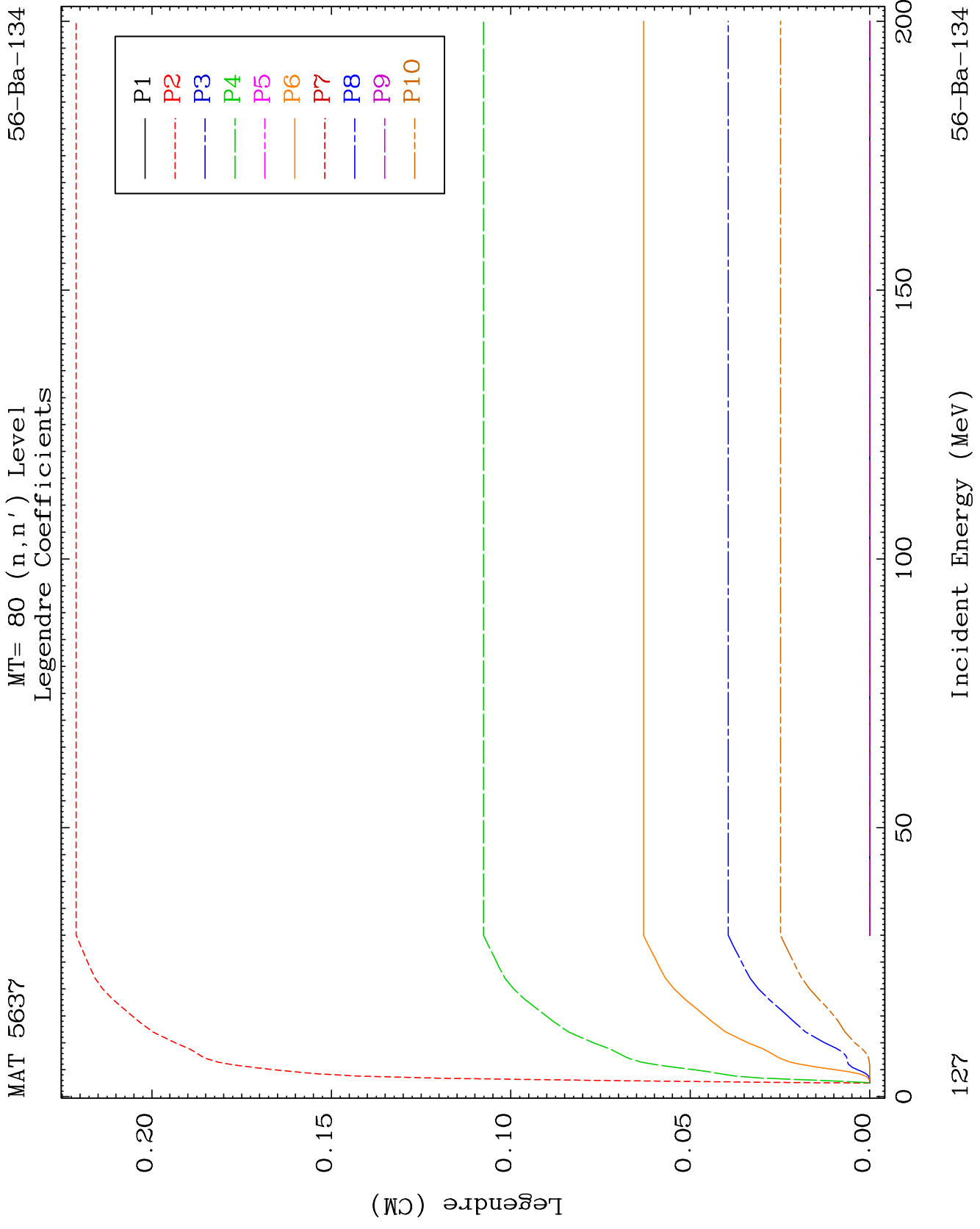


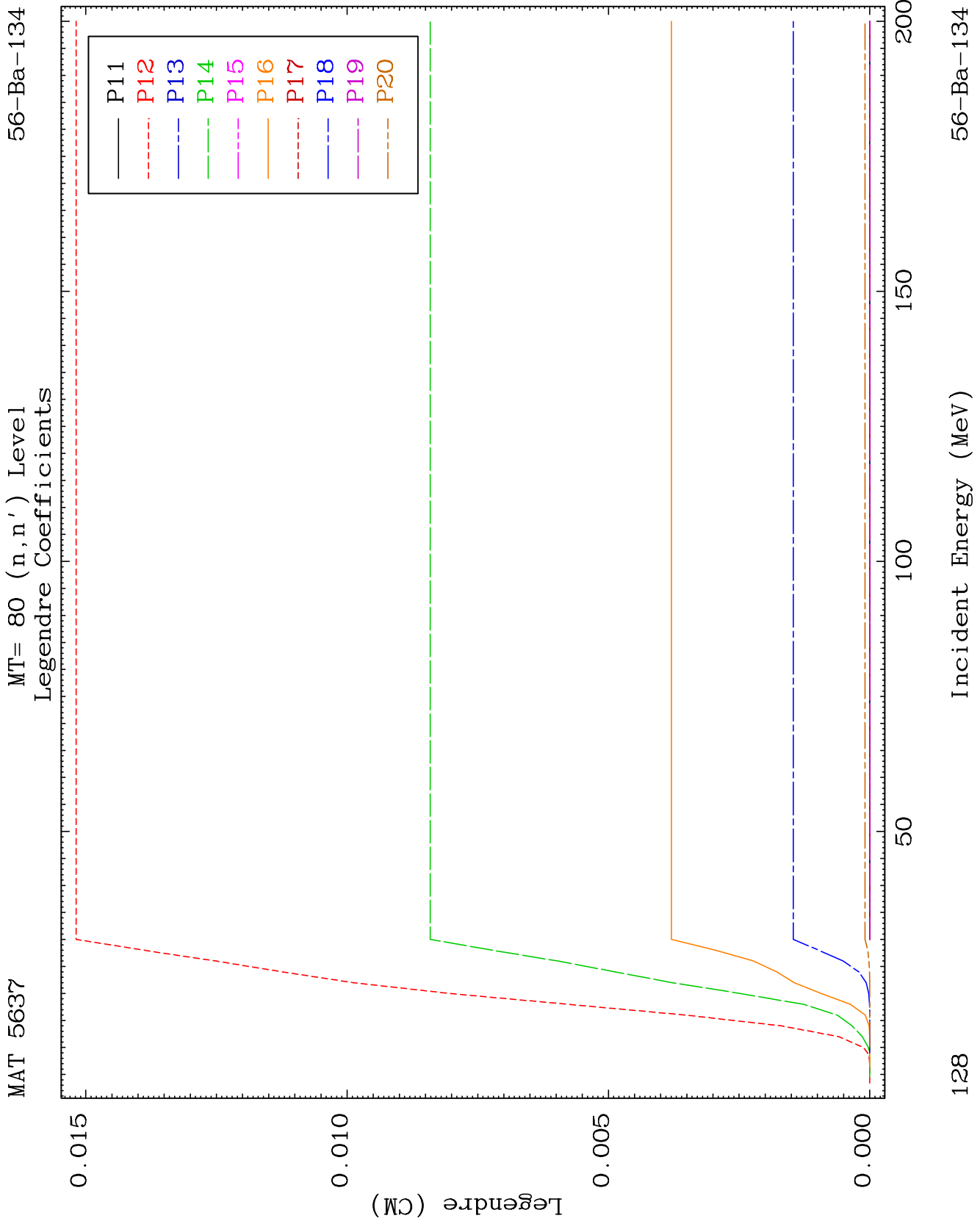
125

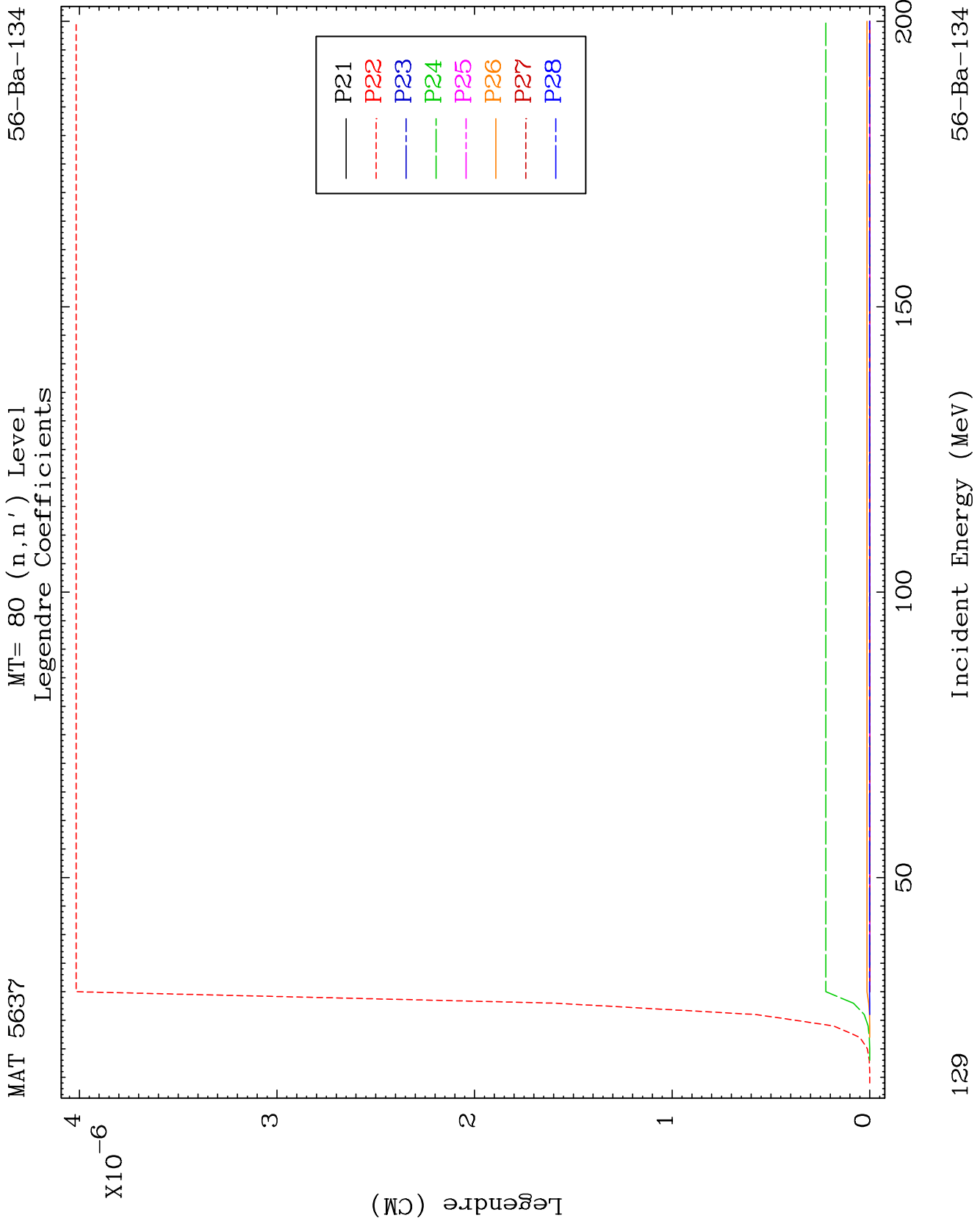
Incident Energy (MeV)

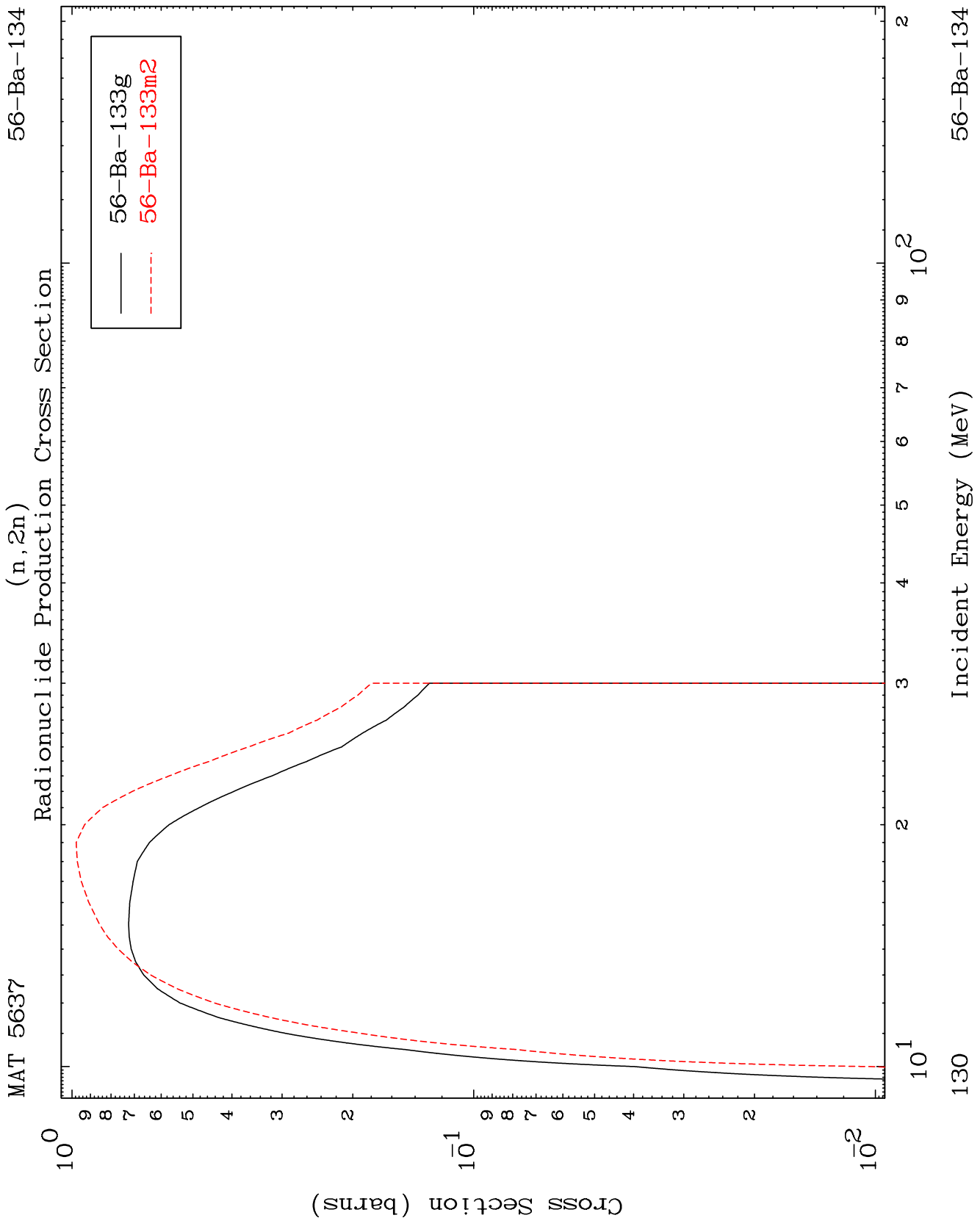
56-Ba-134







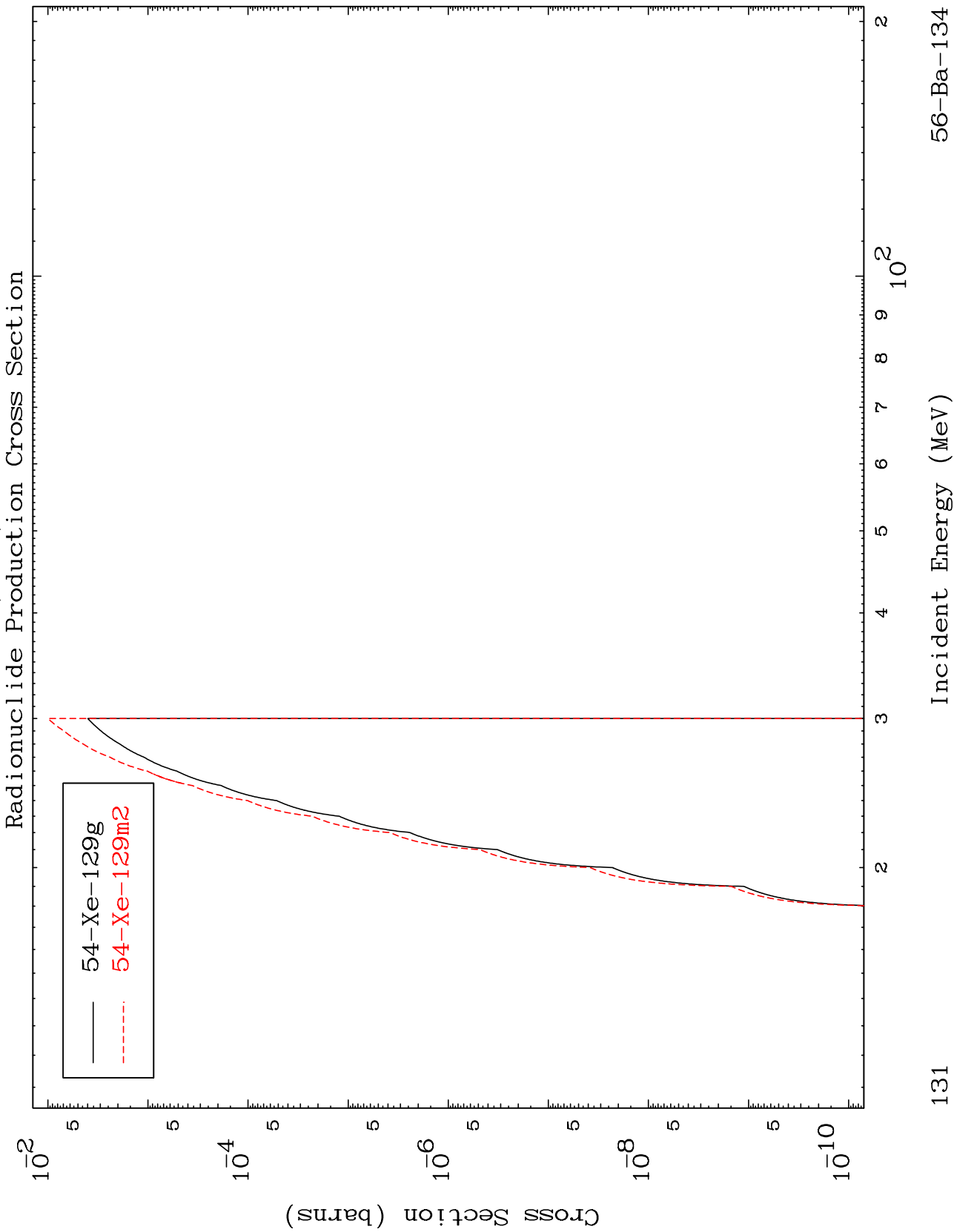




MAT 5637

(n,2n)  $\alpha$

56-Ba-134

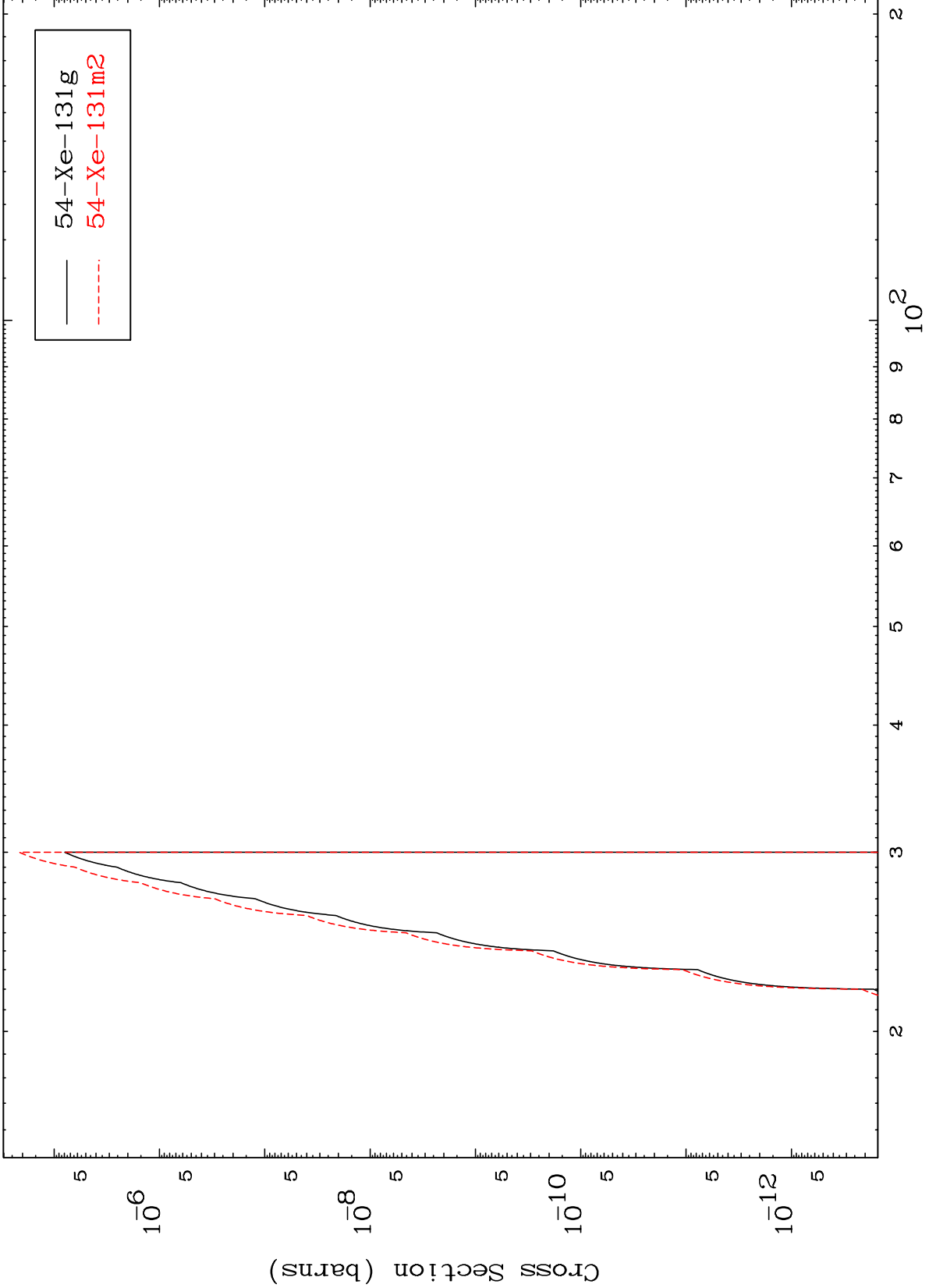


MAT 5637

(n,n') He-3

56-Ba-134

Radionuclide Production Cross Section



132

Incident Energy (MeV)

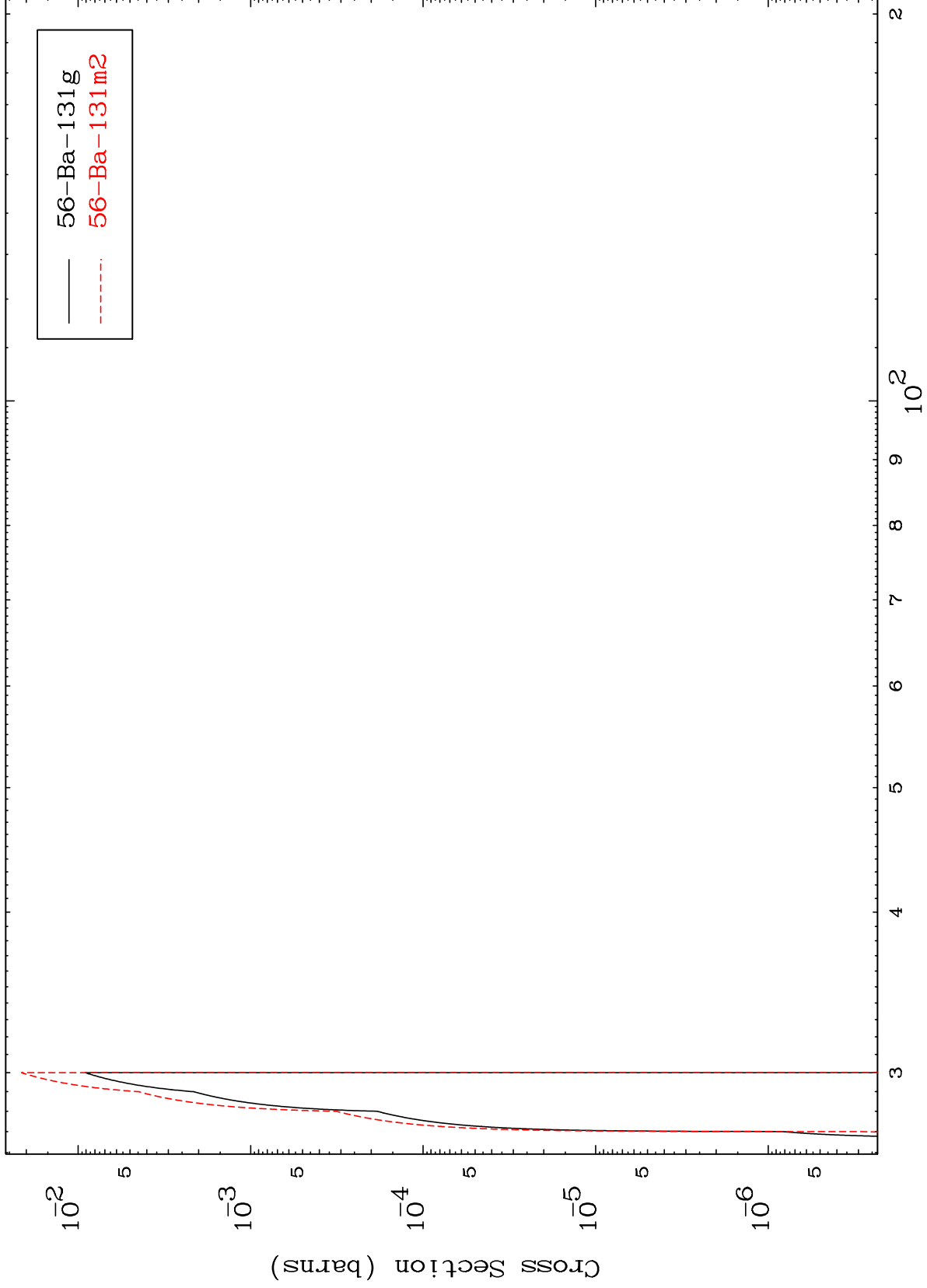
56-Ba-134

MAT 5637

(n,4n)

56-Ba-134

Radionuclide Production Cross Section



133

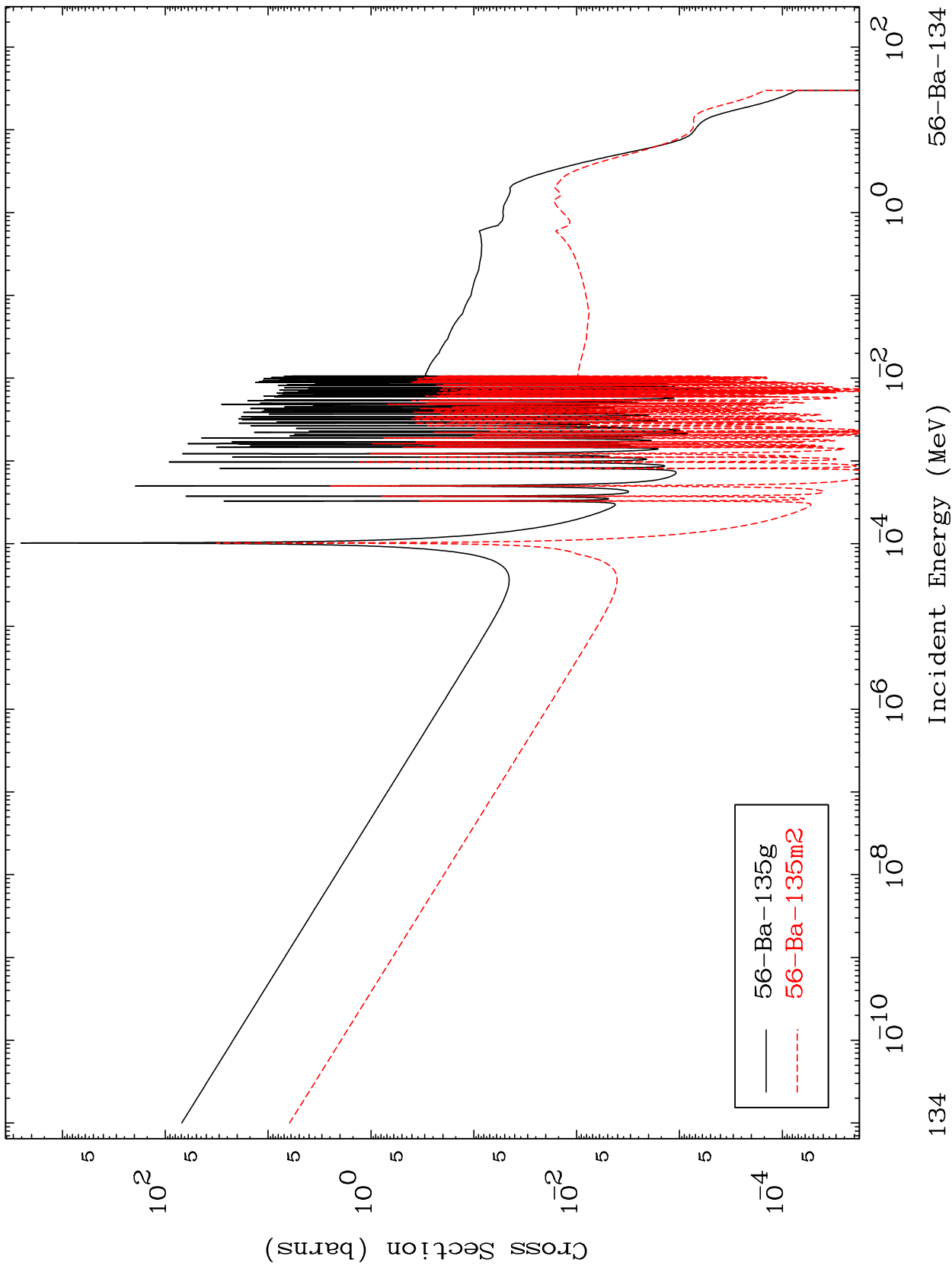
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

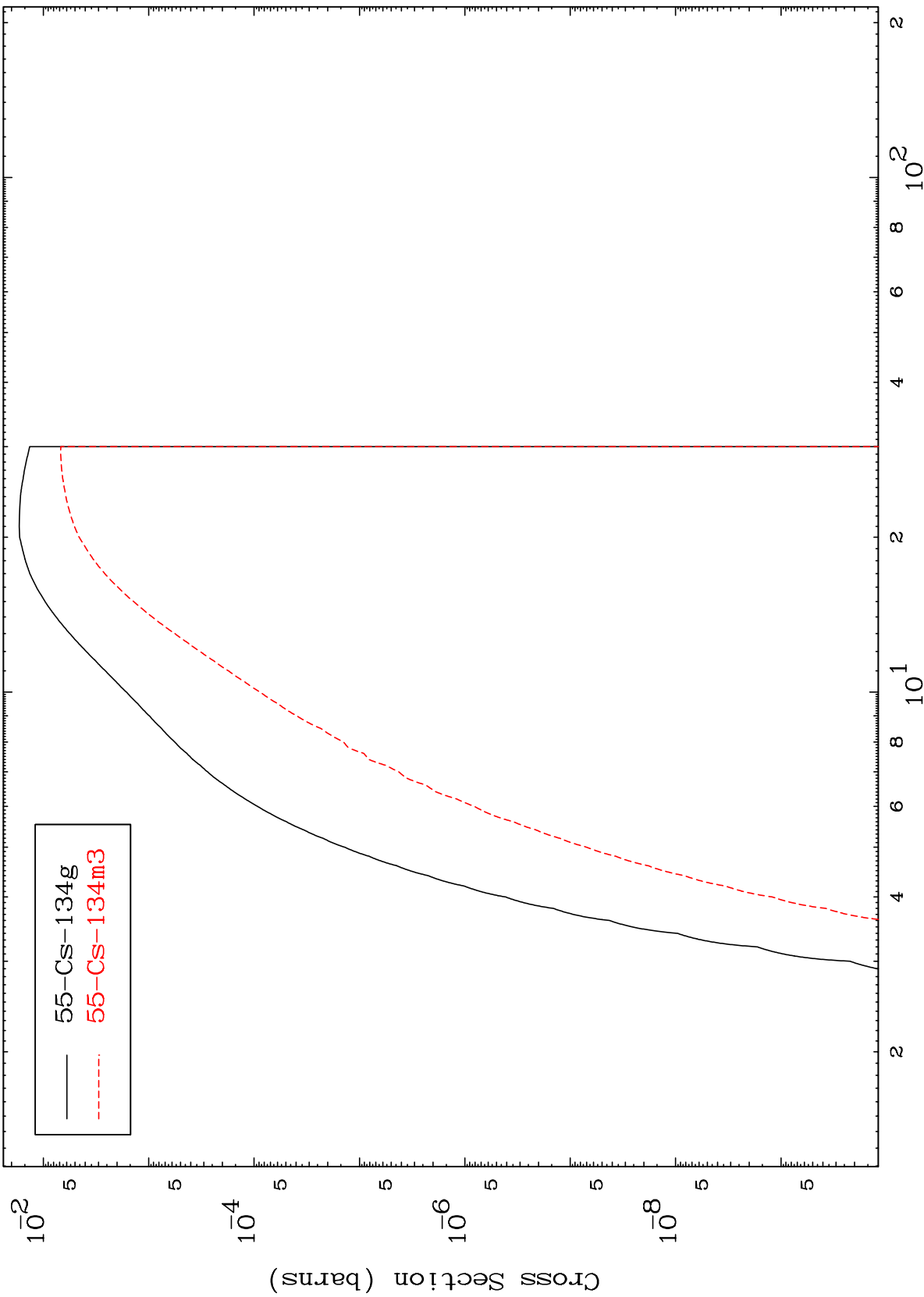
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 5637

56-Ba-134

(n,p)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

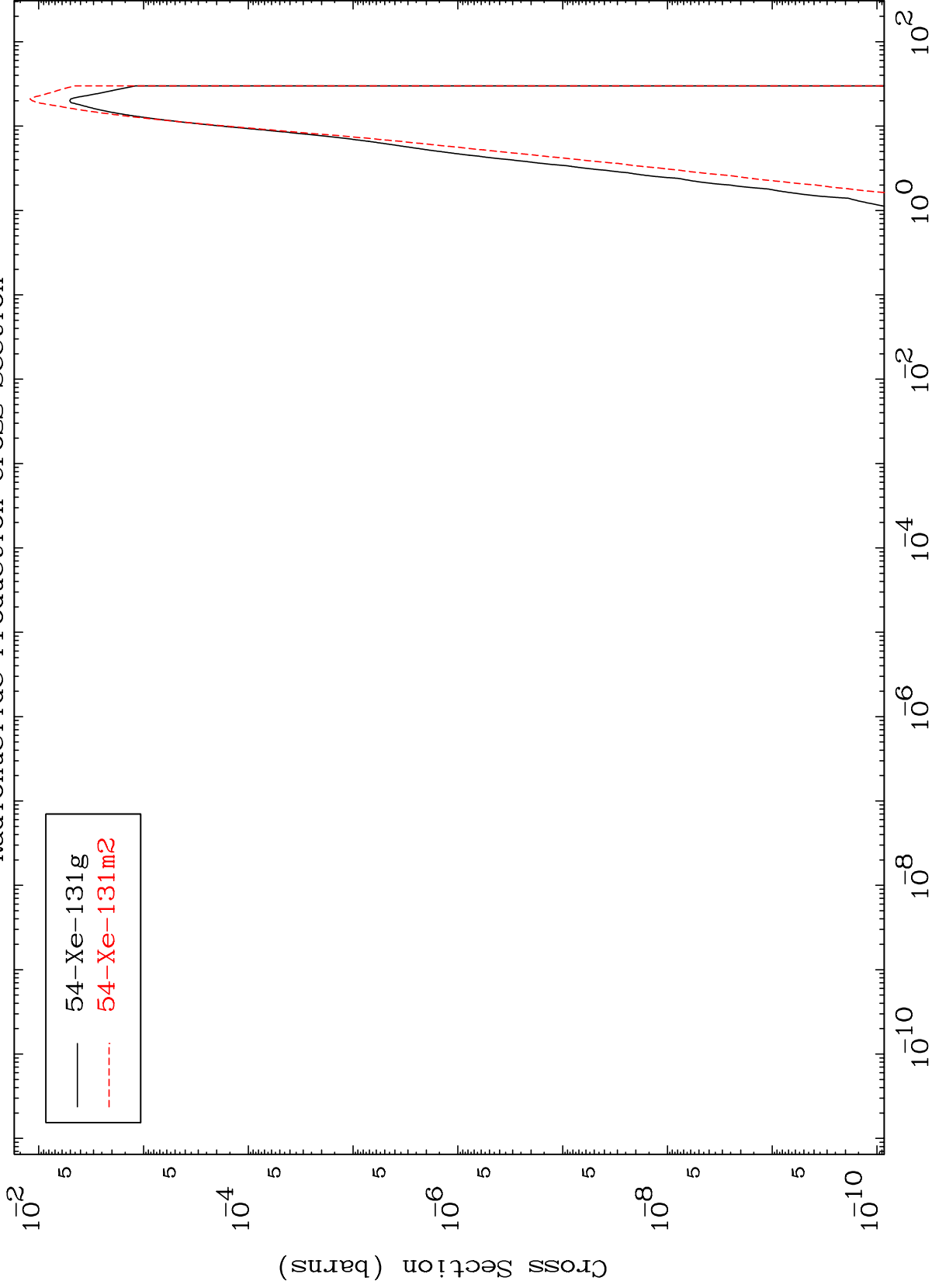
56-Ba-134

MAT 5637

(n,  $\alpha$ )

56-Ba-134

Radionuclide Production Cross Section



136

Incident Energy (MeV)

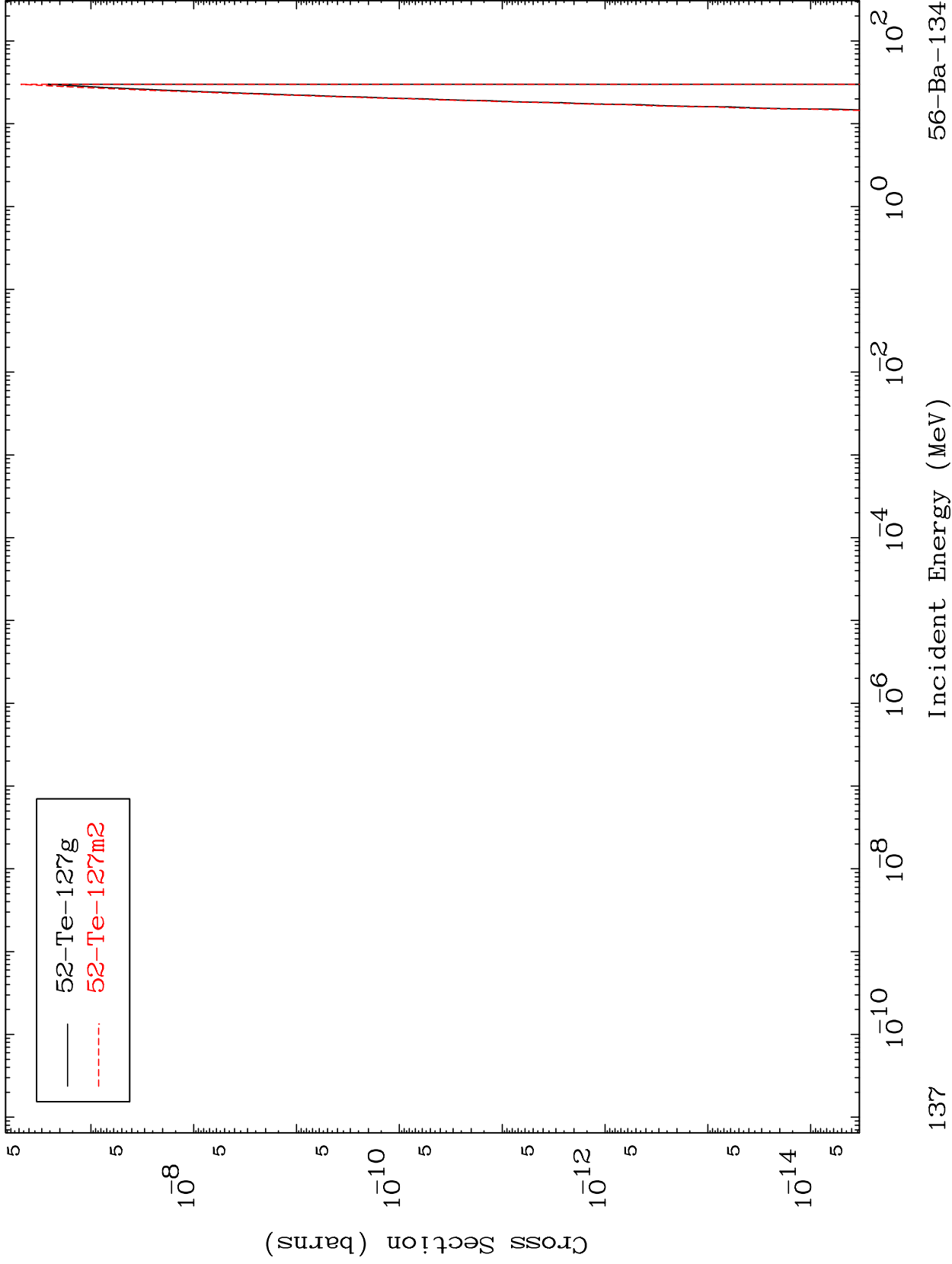
56-Ba-134

MAT 5637

(n,2α)

56-Ba-134

Radionuclide Production Cross Section

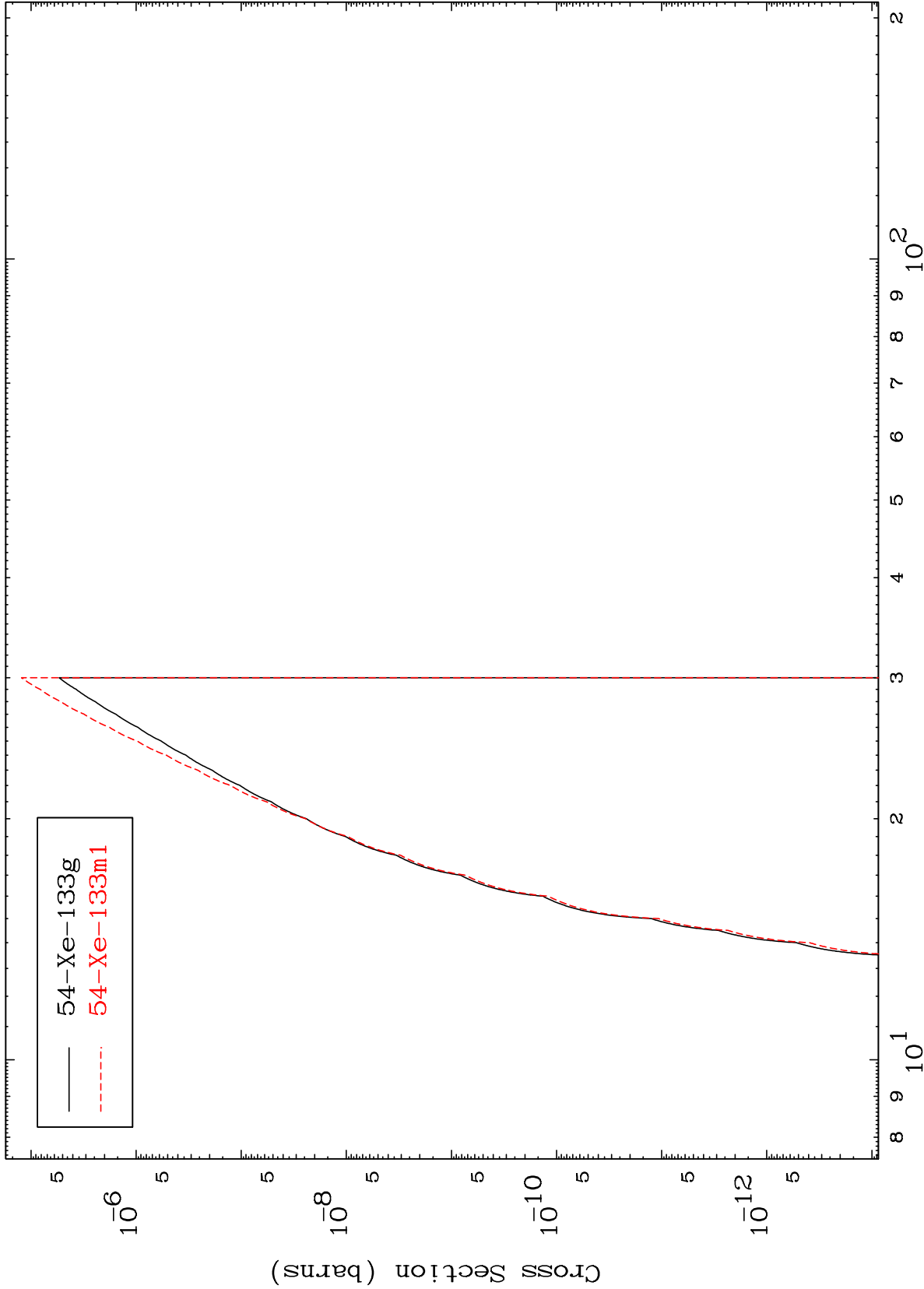


137

MAT 5637

56-Ba-134

(n,2p)  
Radionuclide Production Cross Section



138

Incident Energy (MeV)

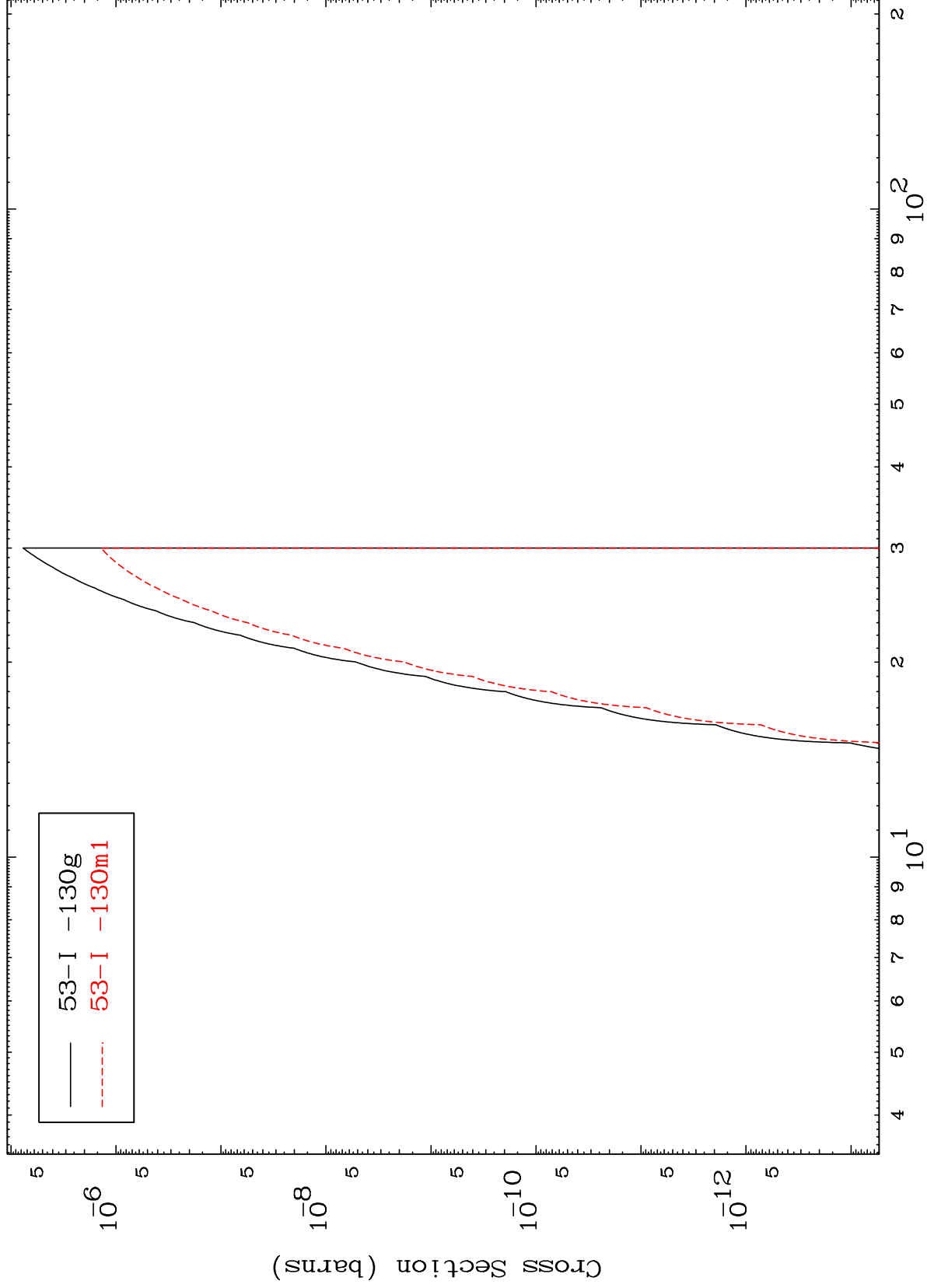
56-Ba-134

MAT 5637

(n,p)  $\alpha$

56-Ba-134

Radionuclide Production Cross Section



53-I -130g  
53-I -130m1

139

Incident Energy (MeV)

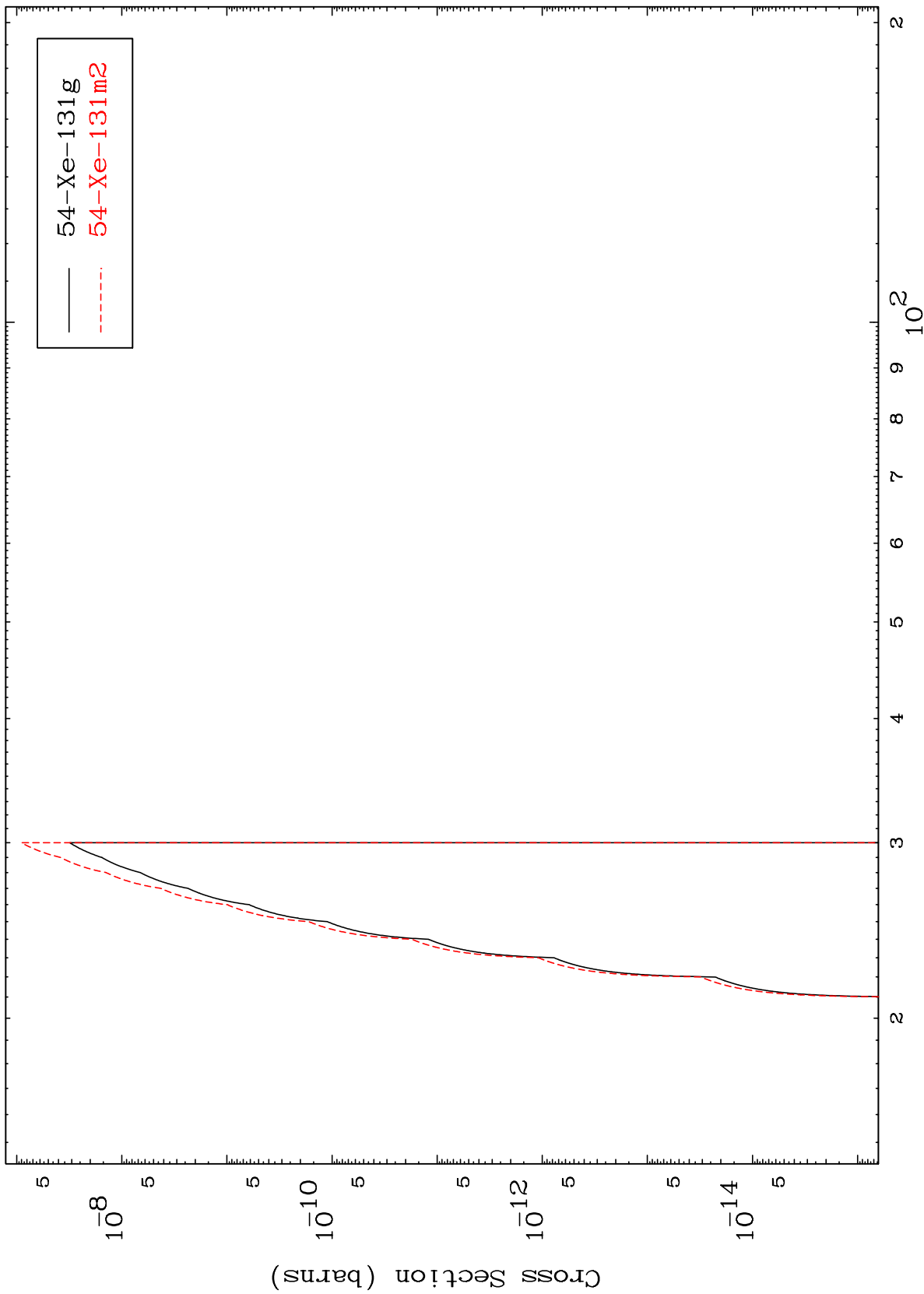
56-Ba-134

MAT 5637

(n,p) t

56-Ba-134

Radionuclide Production Cross Section



140

Incident Energy (MeV)

56-Ba-134