

Program EVALPLOT  
(Version 2021-1)

by

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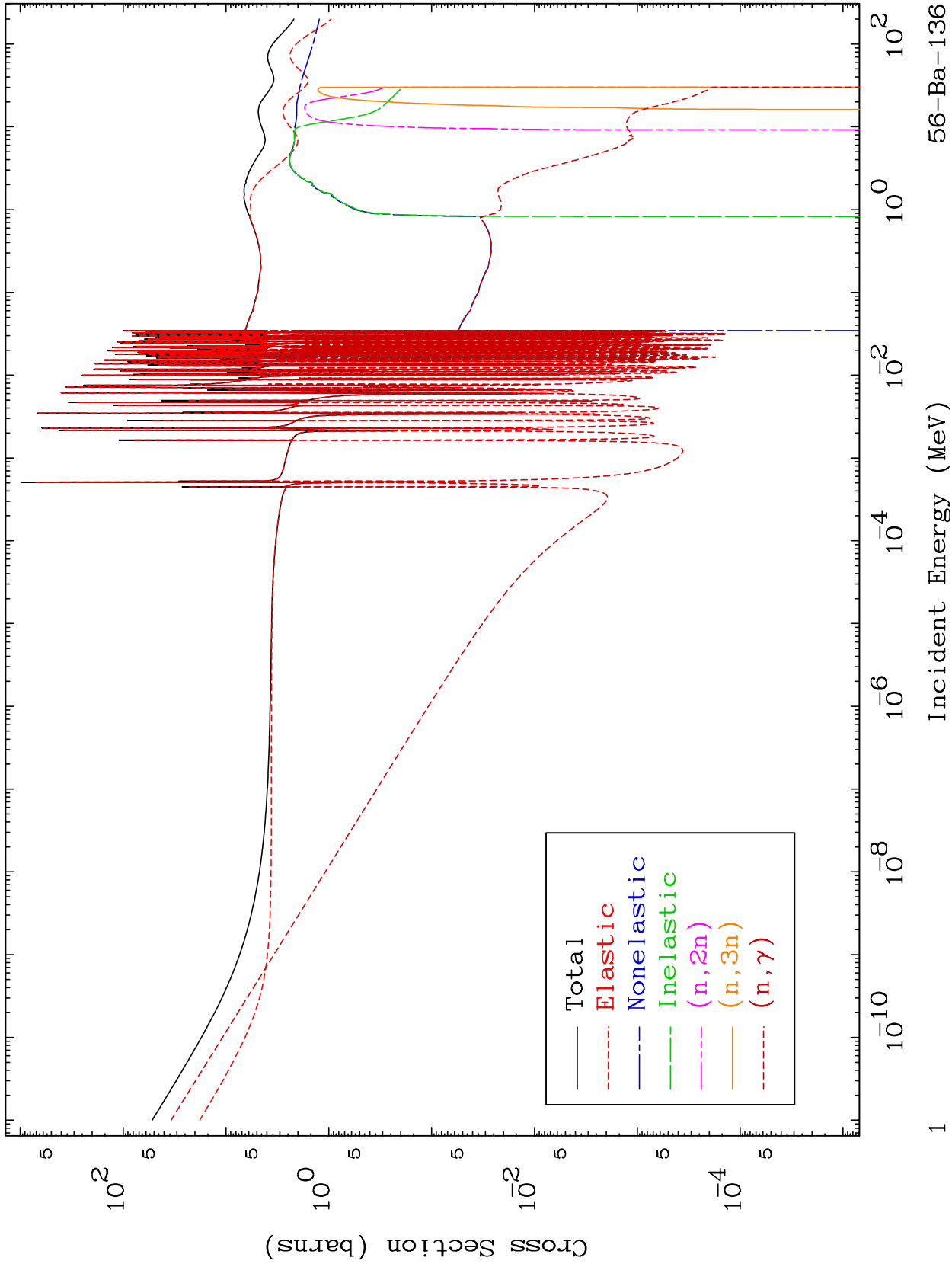
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Press Mouse Button to Start

MAT 5643

Neutron Major  
293 Kelvin Cross Sections

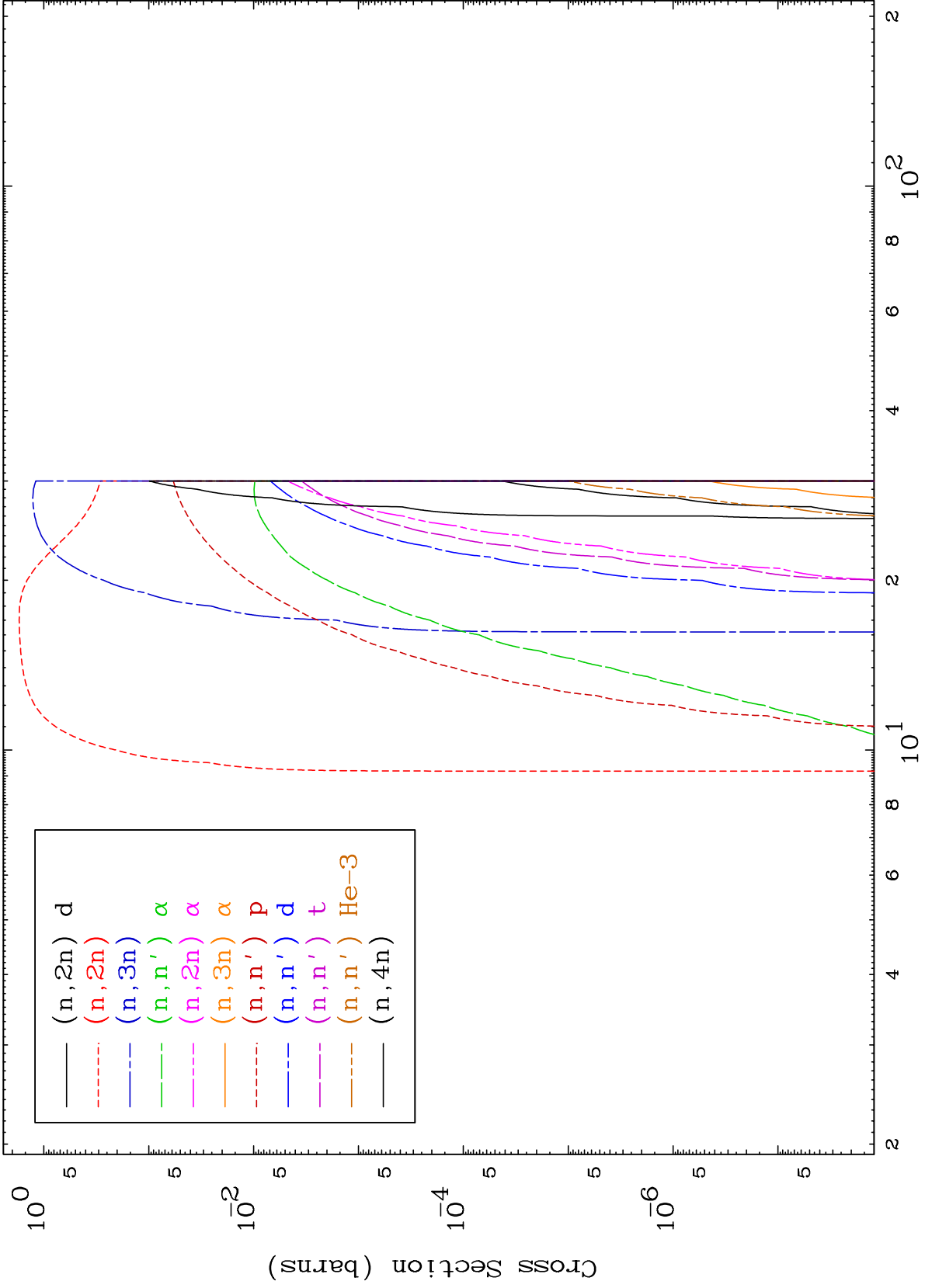
56-Ba-136



MAT 5643

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-136



56-Ba-136

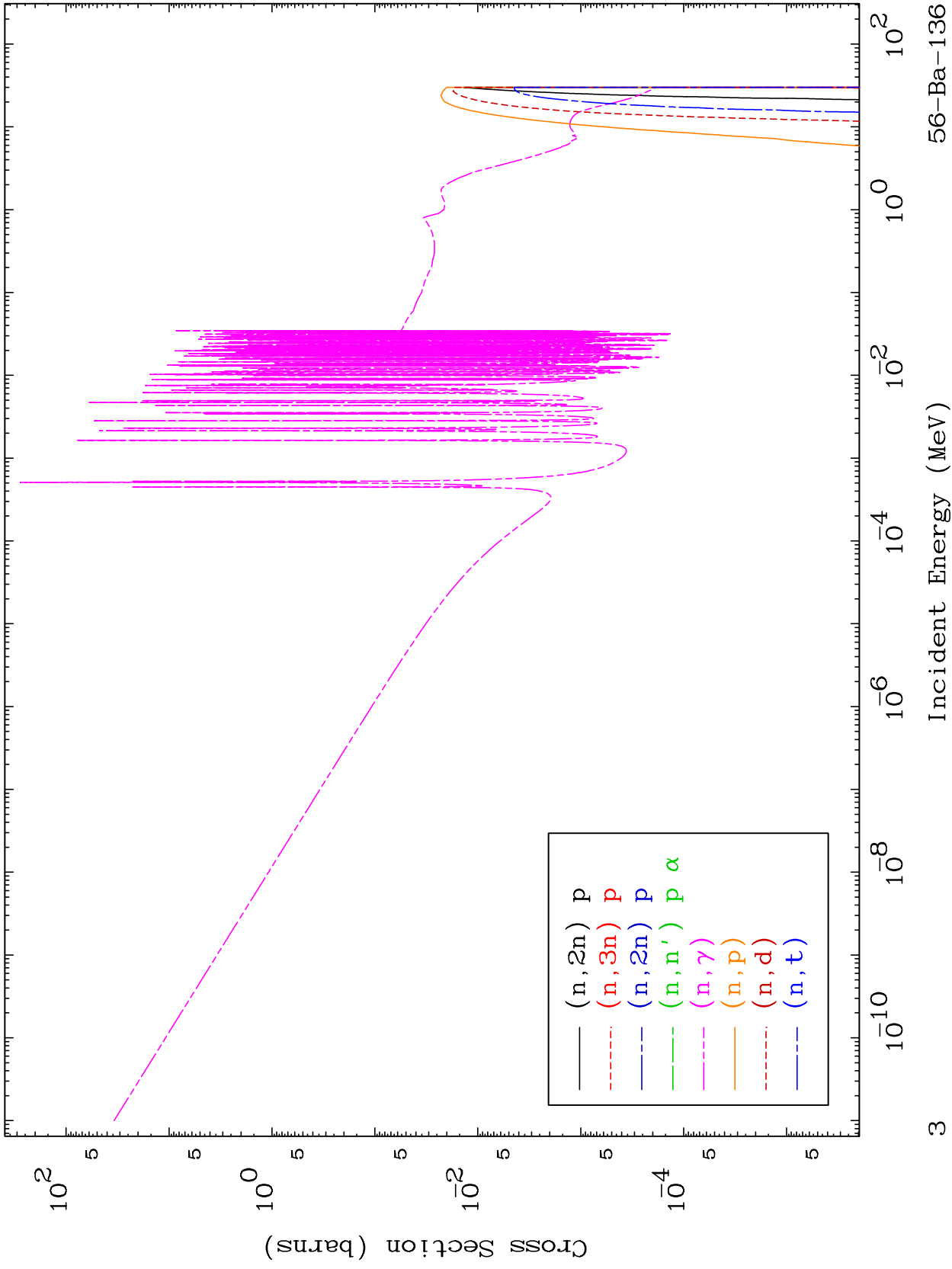
Incident Energy (MeV)

2

MAT 5643

Neutron Absorption  
293 Kelvin Cross Sections

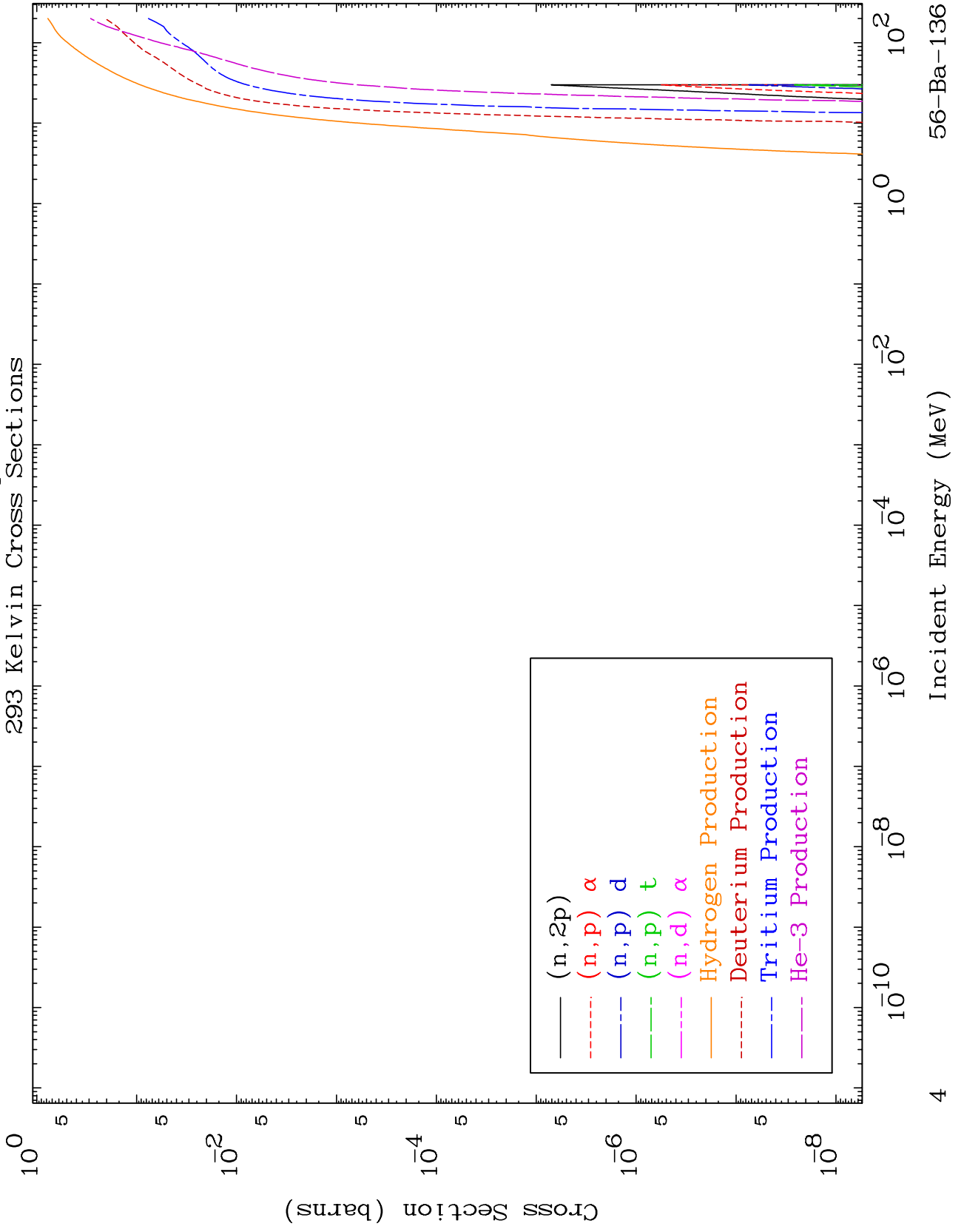
56-Ba-136

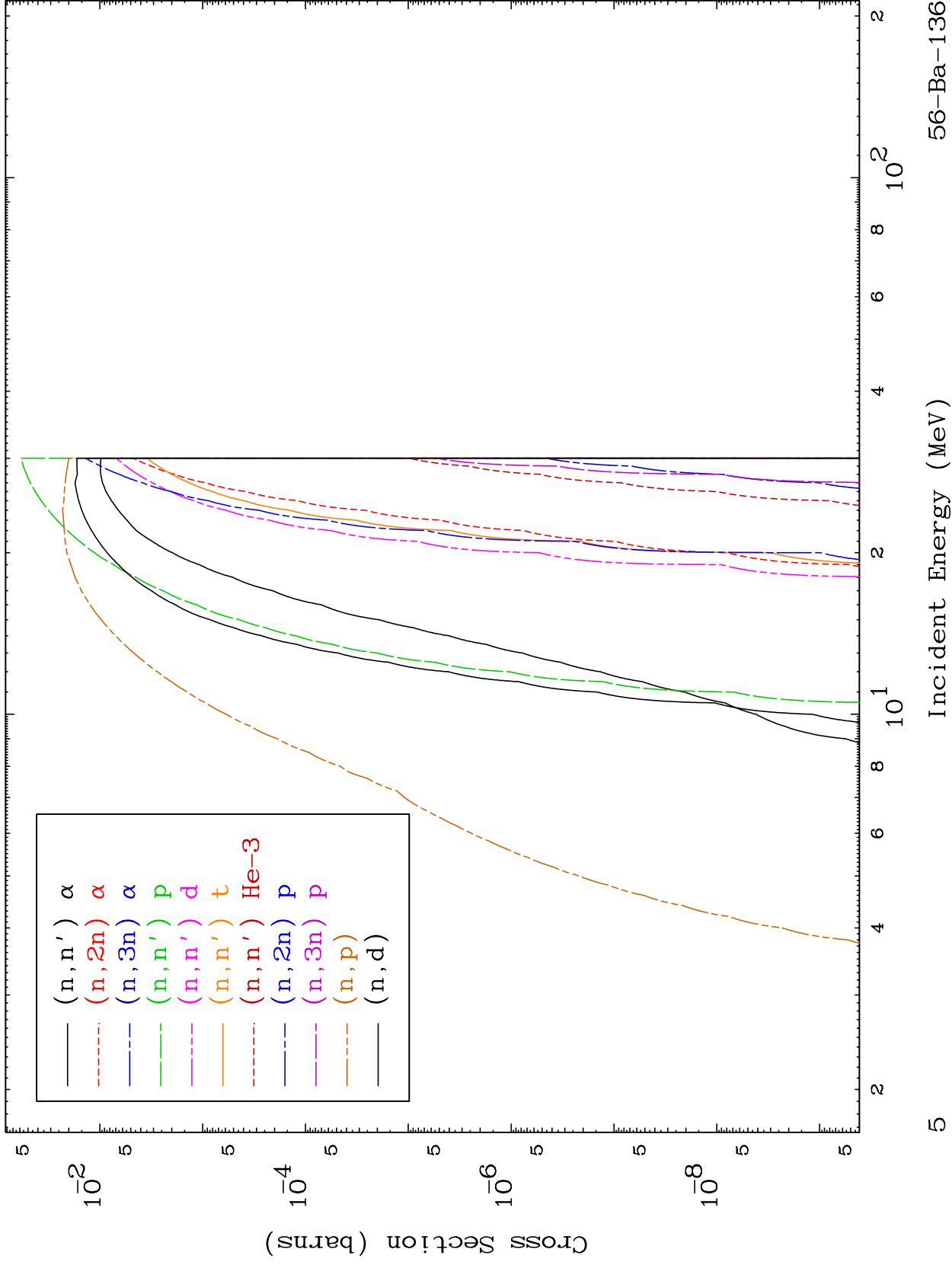


MAT 5643

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-136

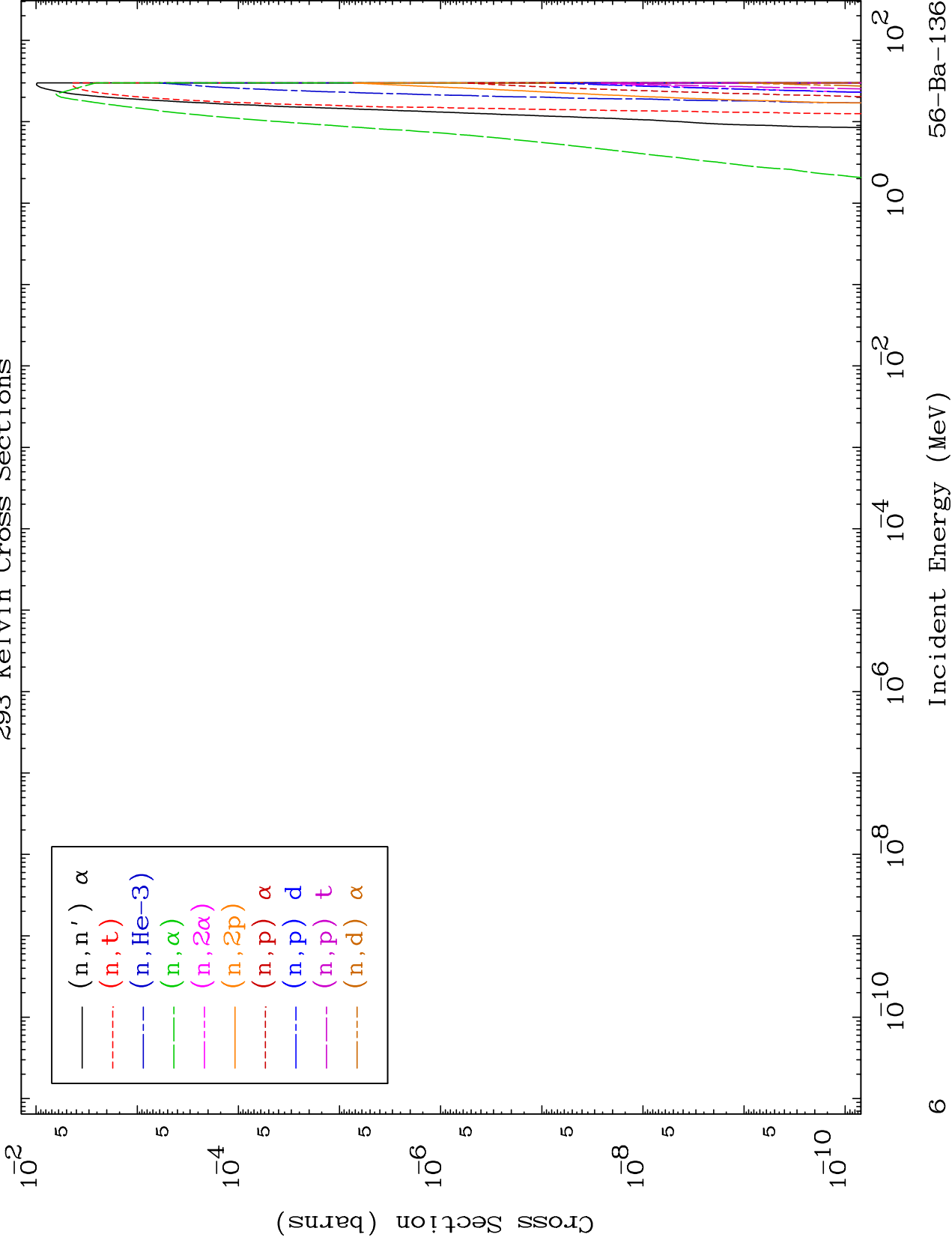




MAT 5643

Charged Particle  
293 Kelvin Cross Sections

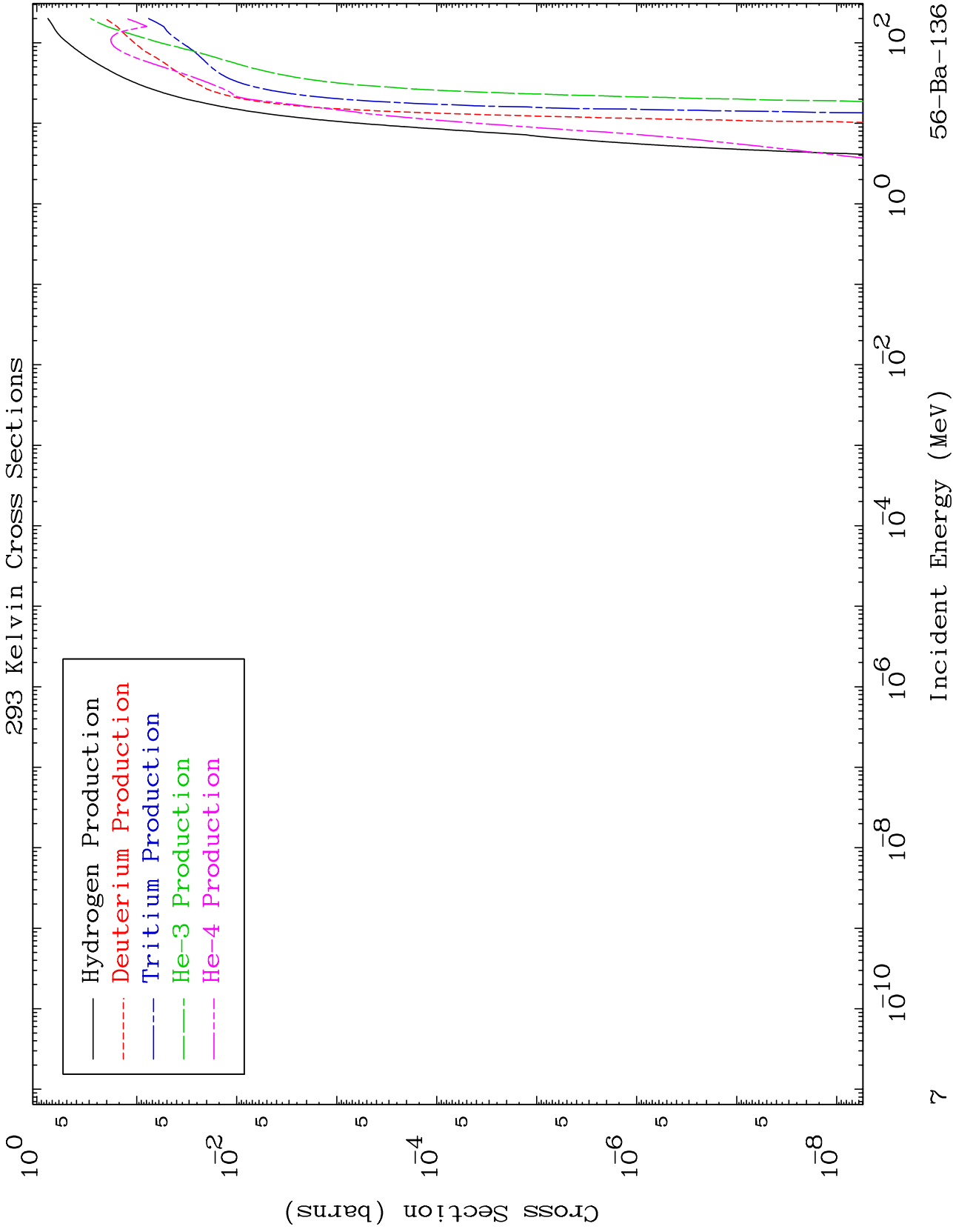
56-Ba-136



MAT 5643

Particle Production  
293 Kelvin Cross Sections

56-Ba-136



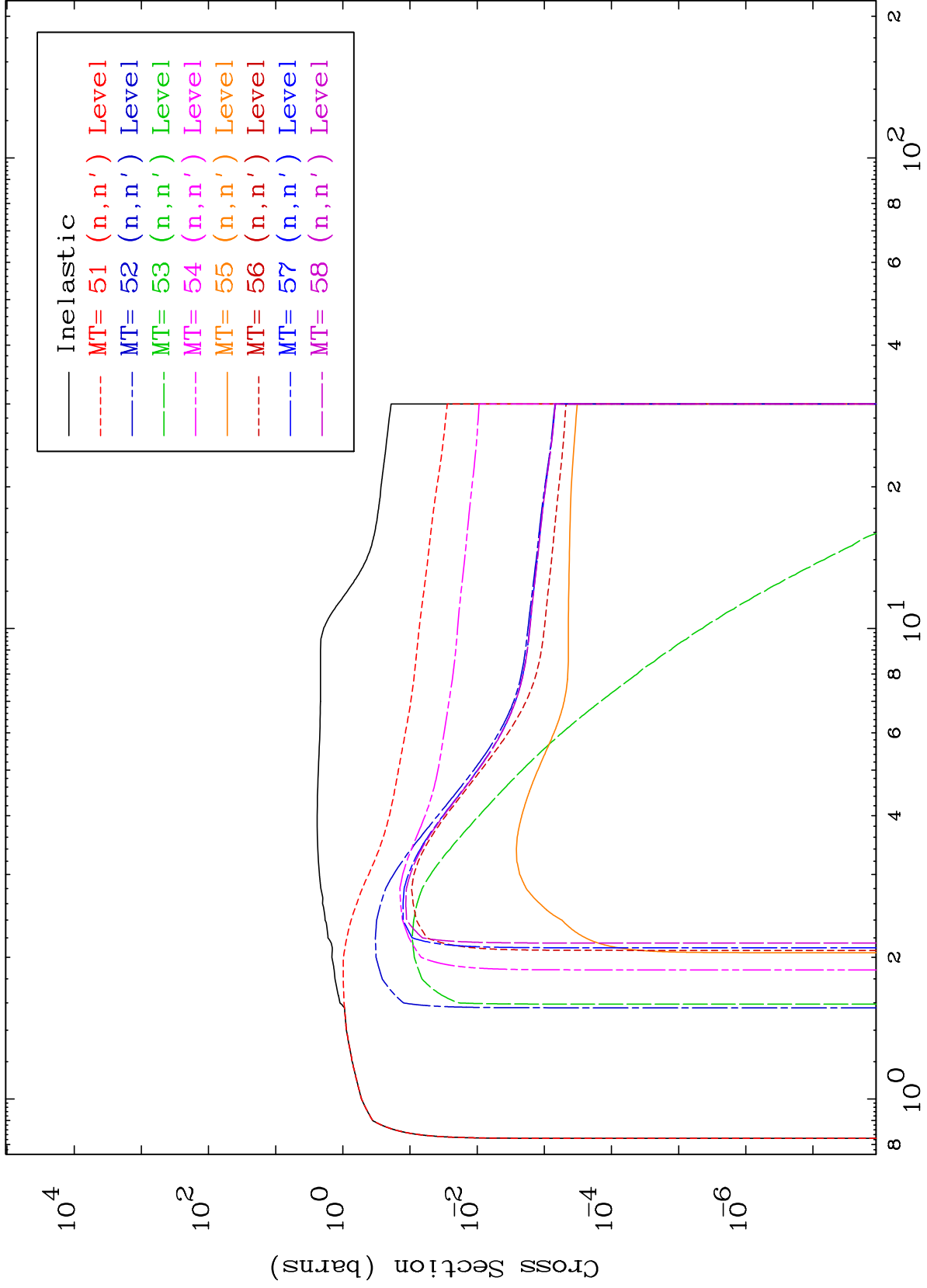


MAT 5643

(n,n') Levels

56-Ba-136

293 Kelvin Cross Sections



8

Incident Energy (MeV)

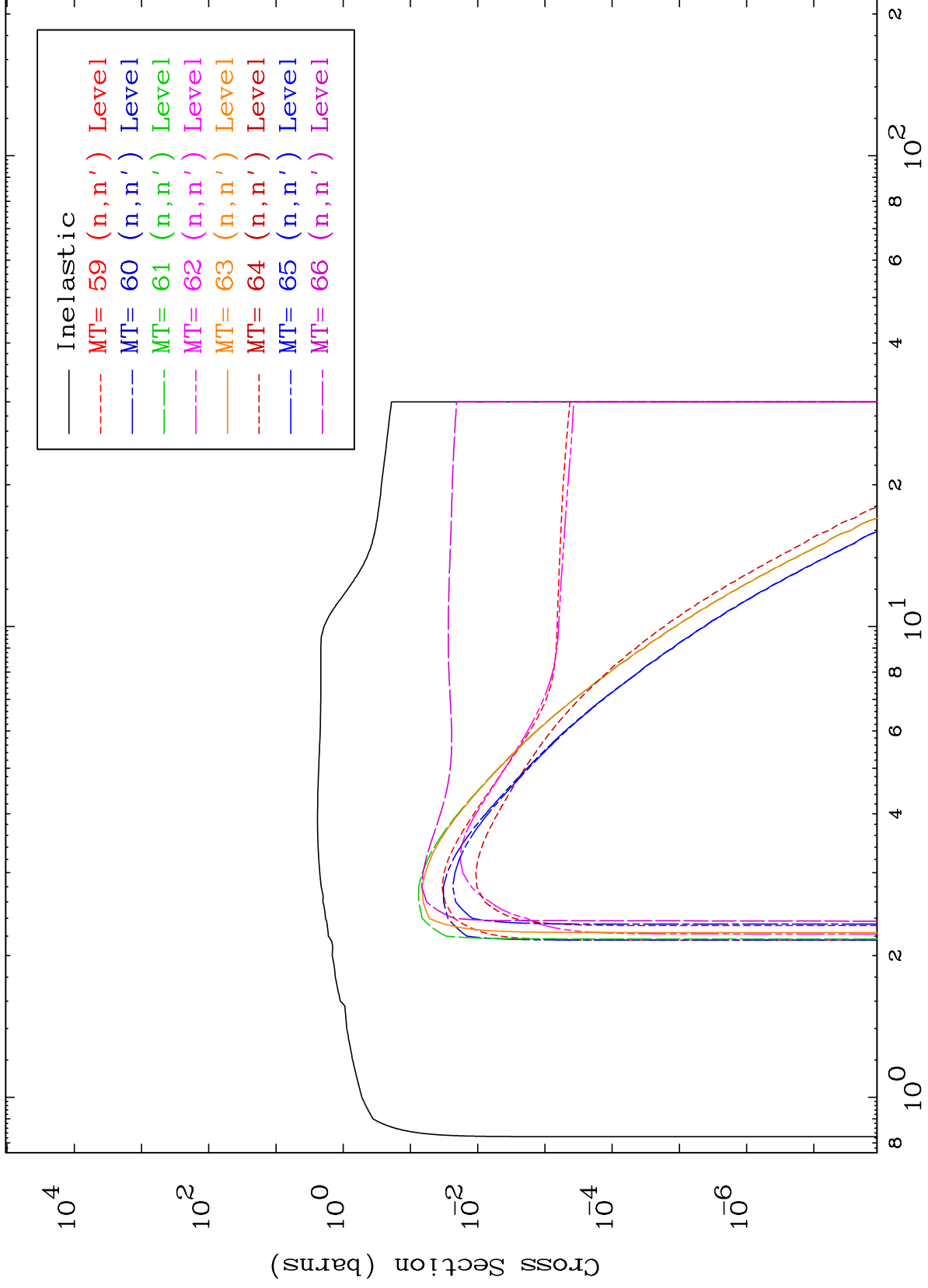
56-Ba-136

MAT 5643

(n,n') Levels

56-Ba-136

293 Kelvin Cross Sections



9

Incident Energy (MeV)

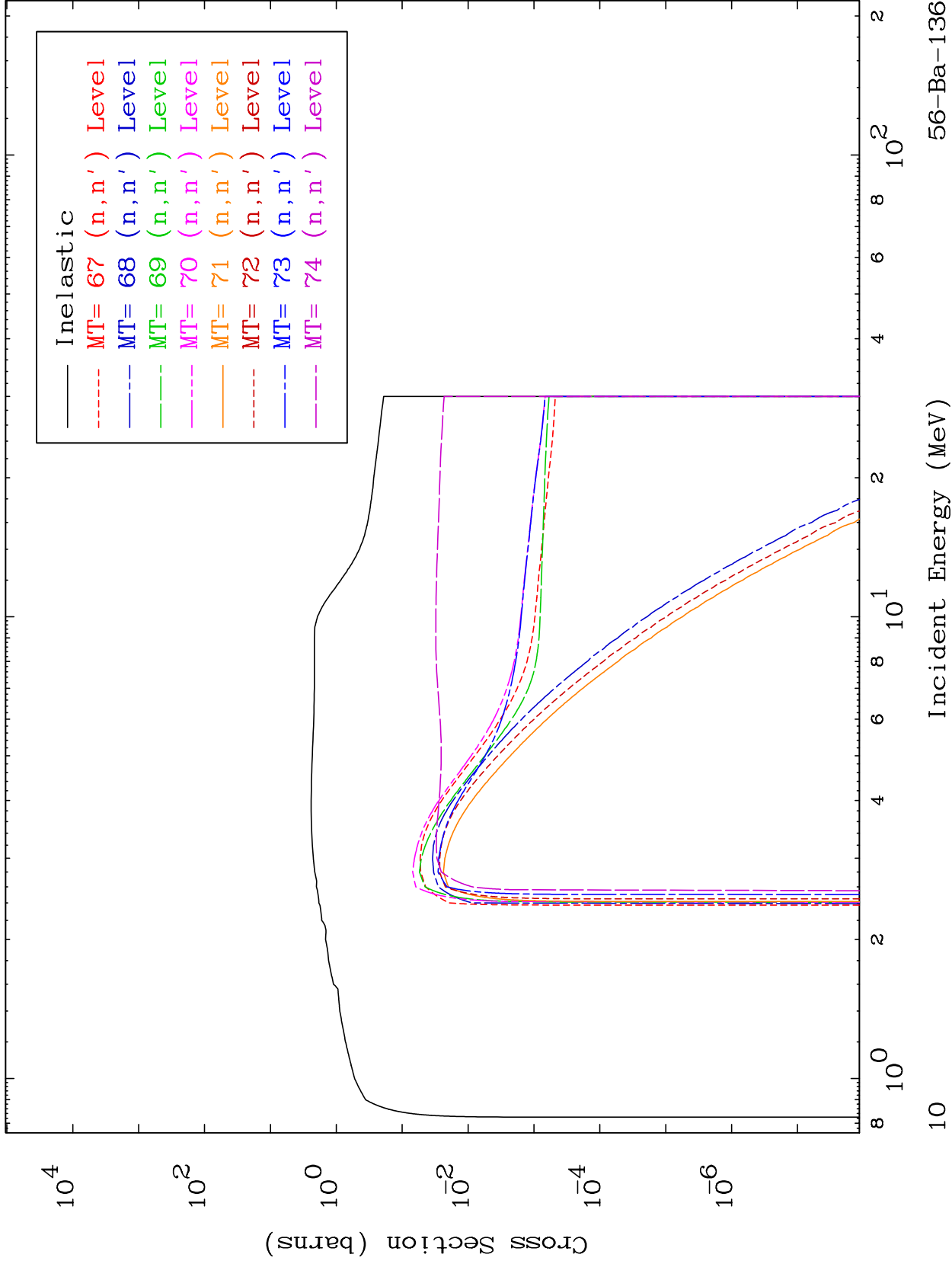
56-Ba-136

MAT 5643

(n,n') Levels

56-Ba-136

293 Kelvin Cross Sections



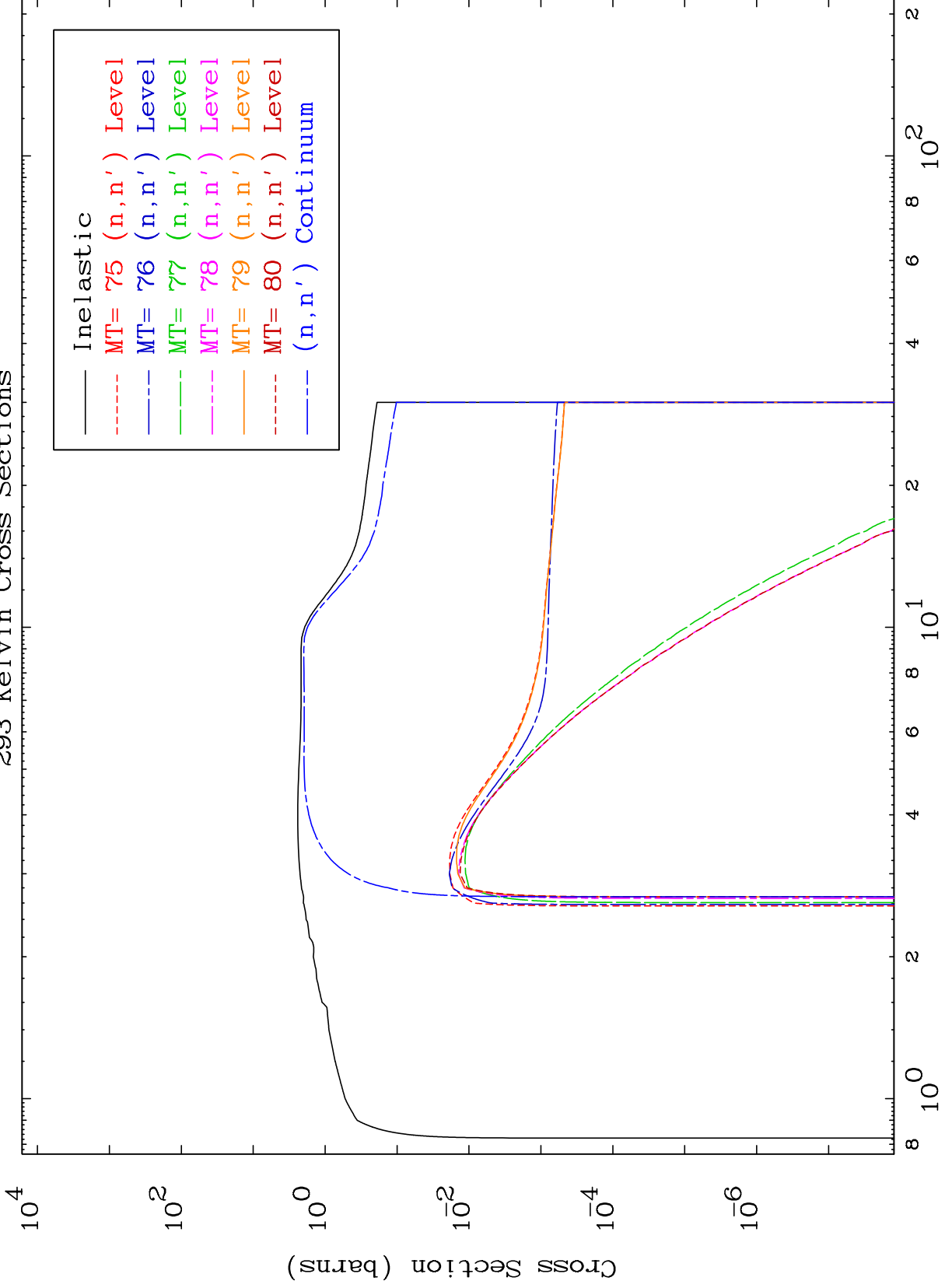
56-Ba-136

MAT 5643

(n,n') Levels

56-Ba-136

293 Kelvin Cross Sections



11

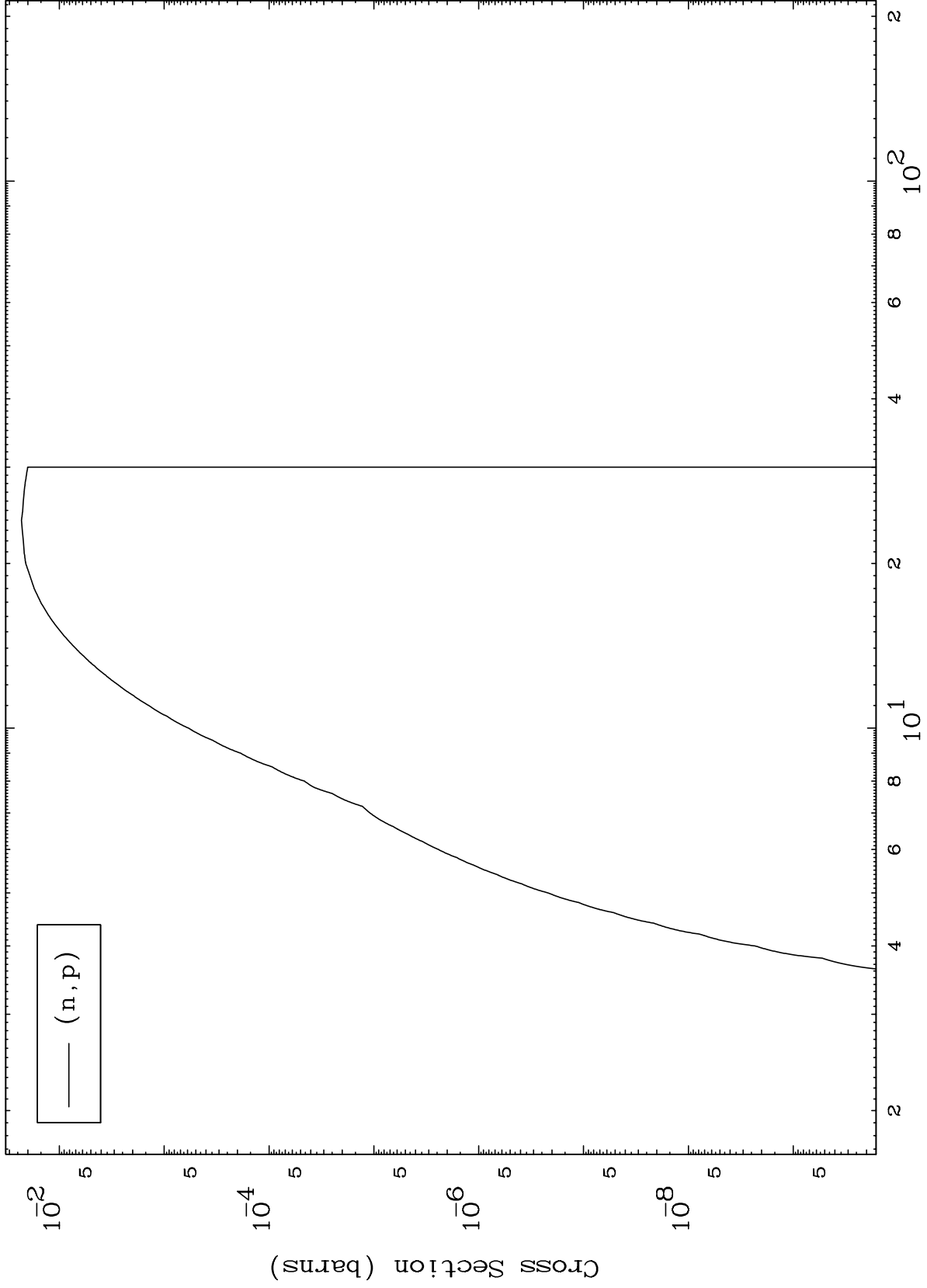
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-136



12

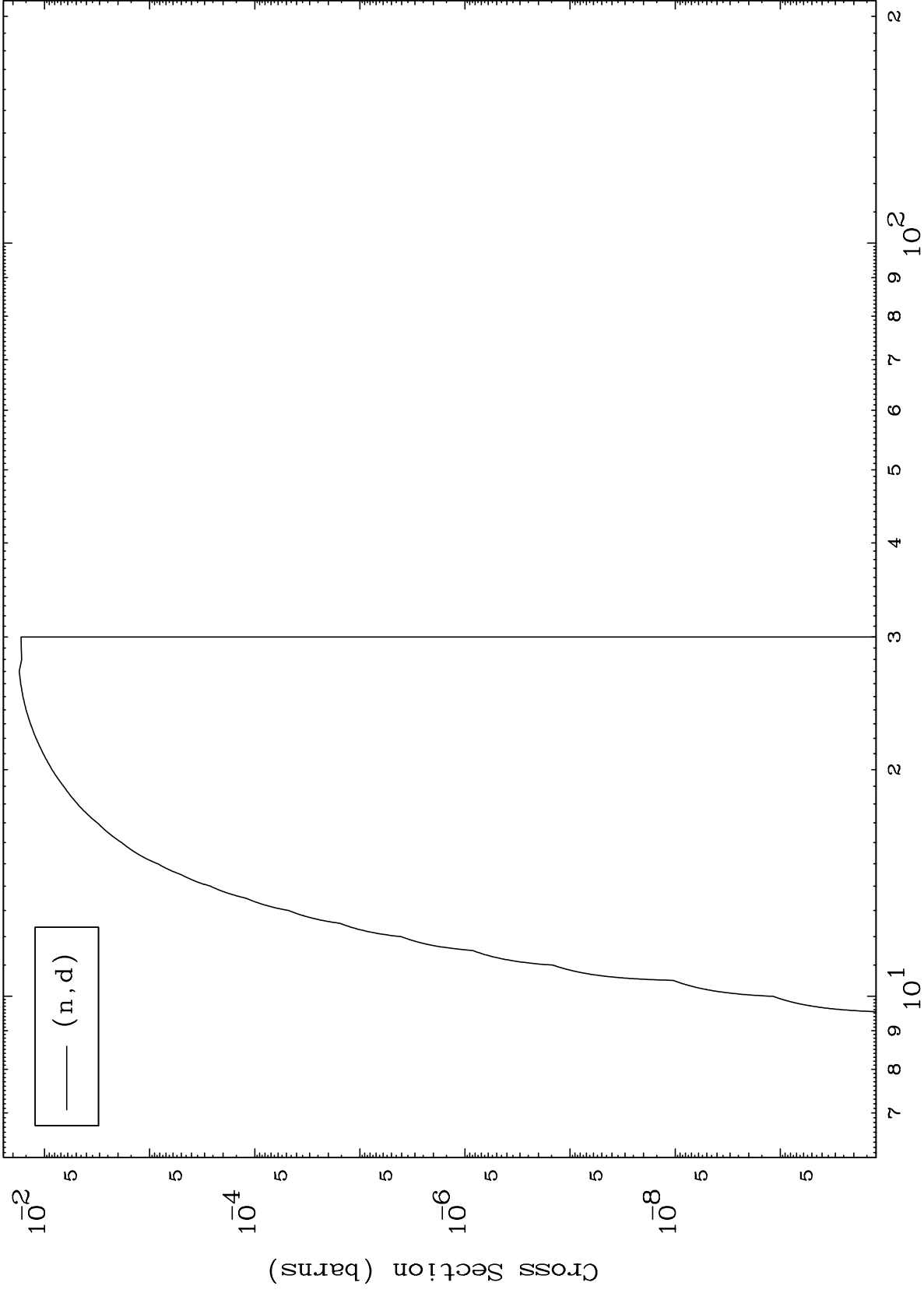
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-136



13

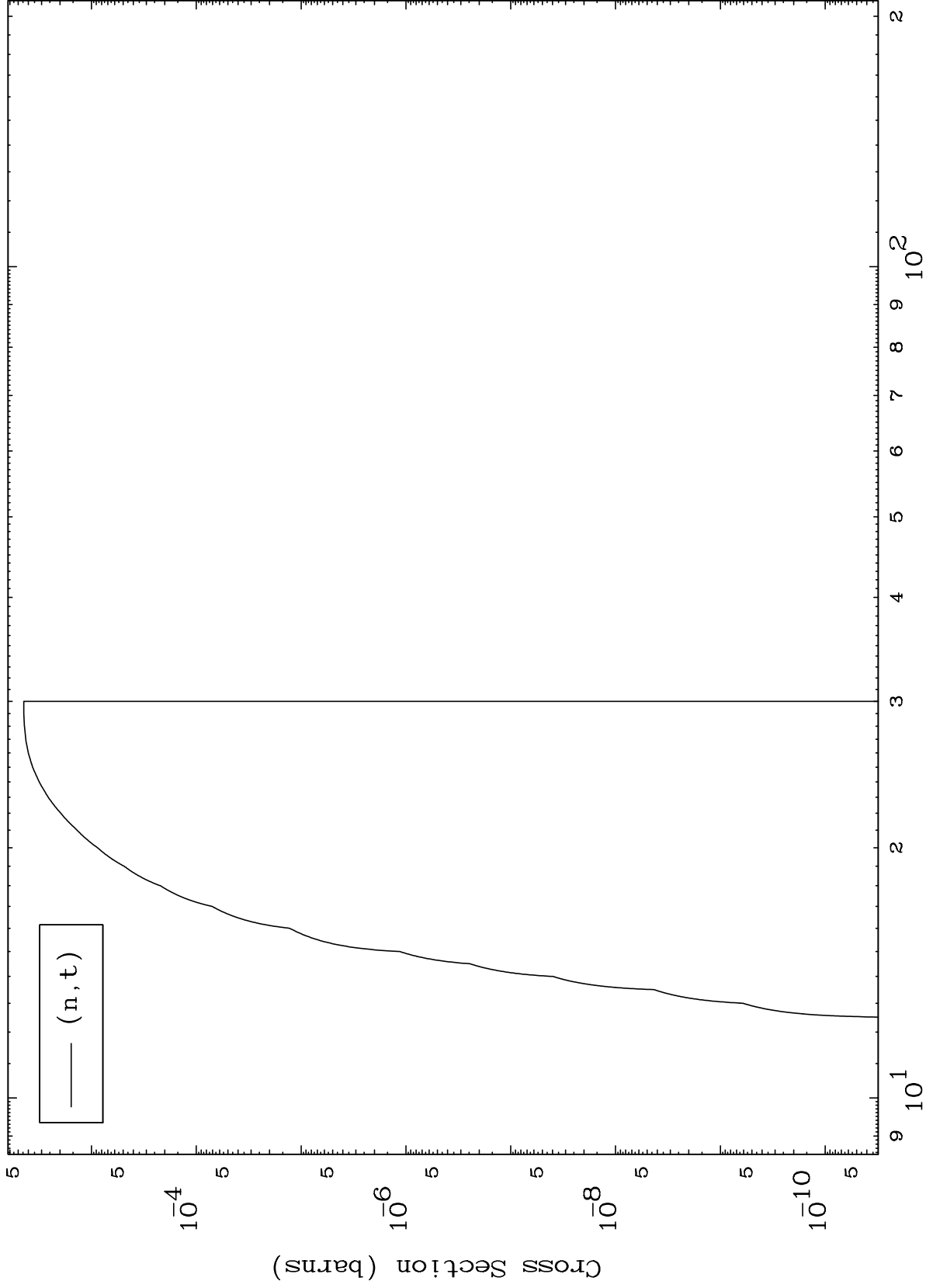
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-136



14

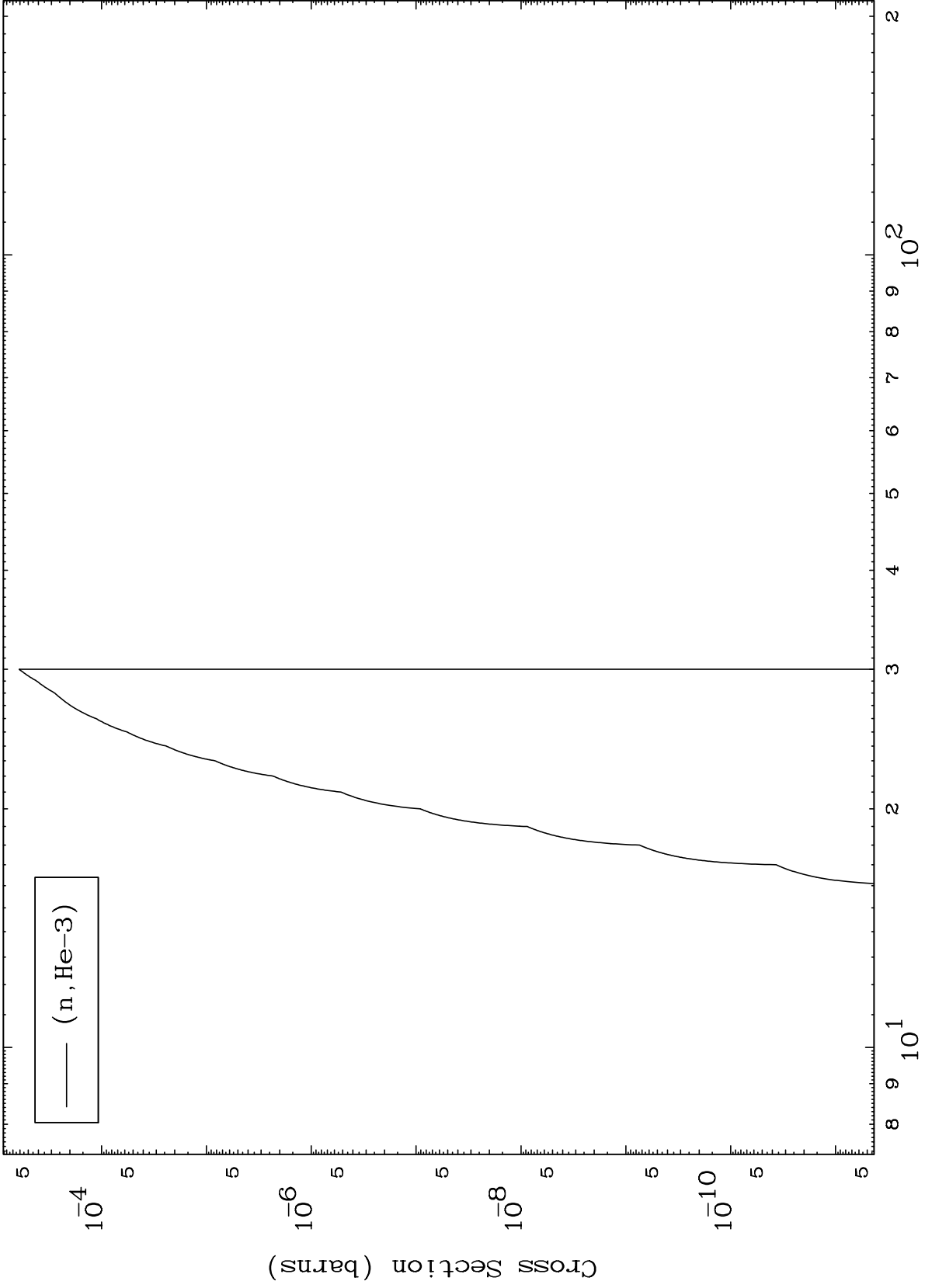
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-136



15

Incident Energy (MeV)

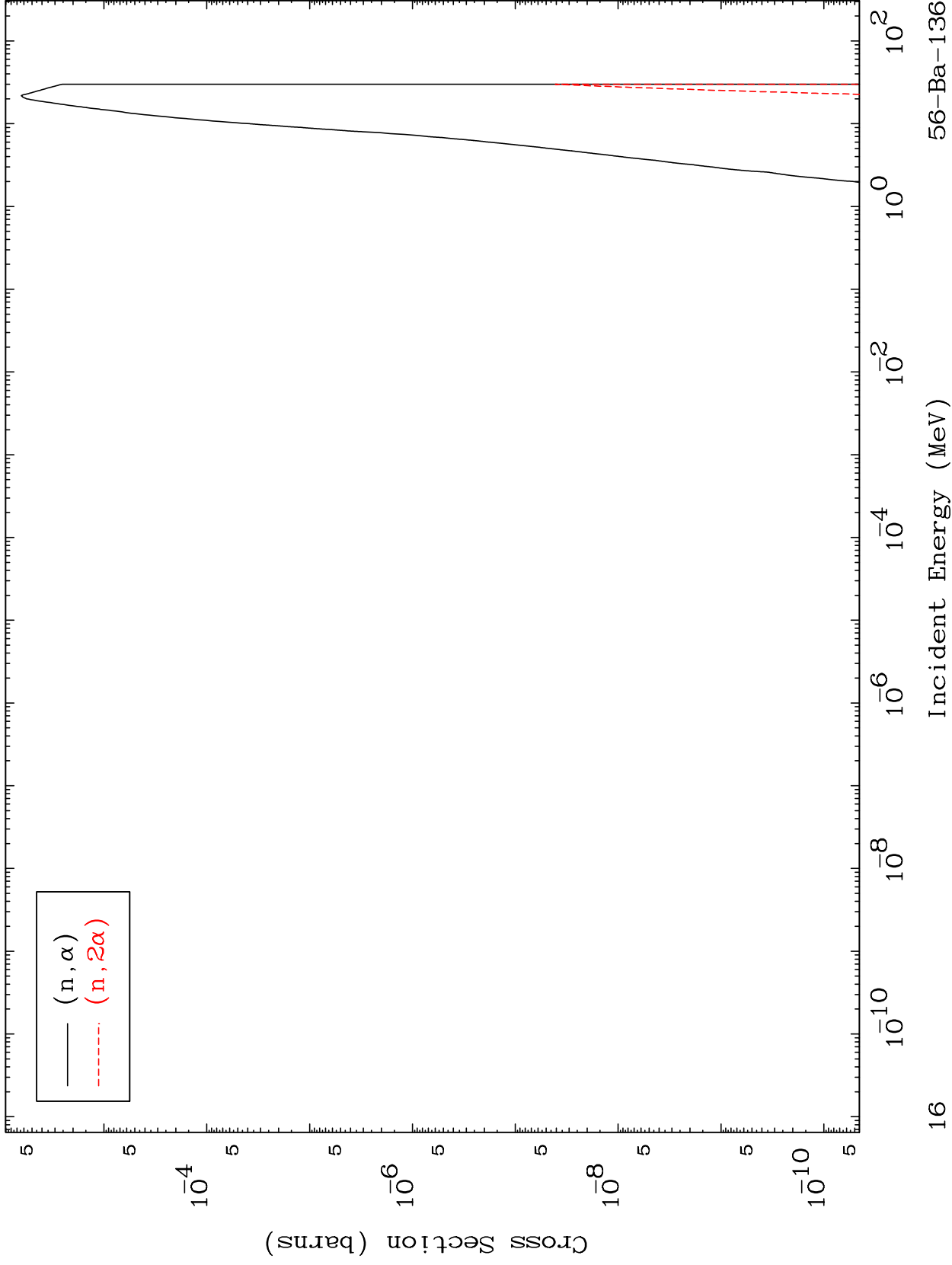
56-Ba-136



MAT 5643

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

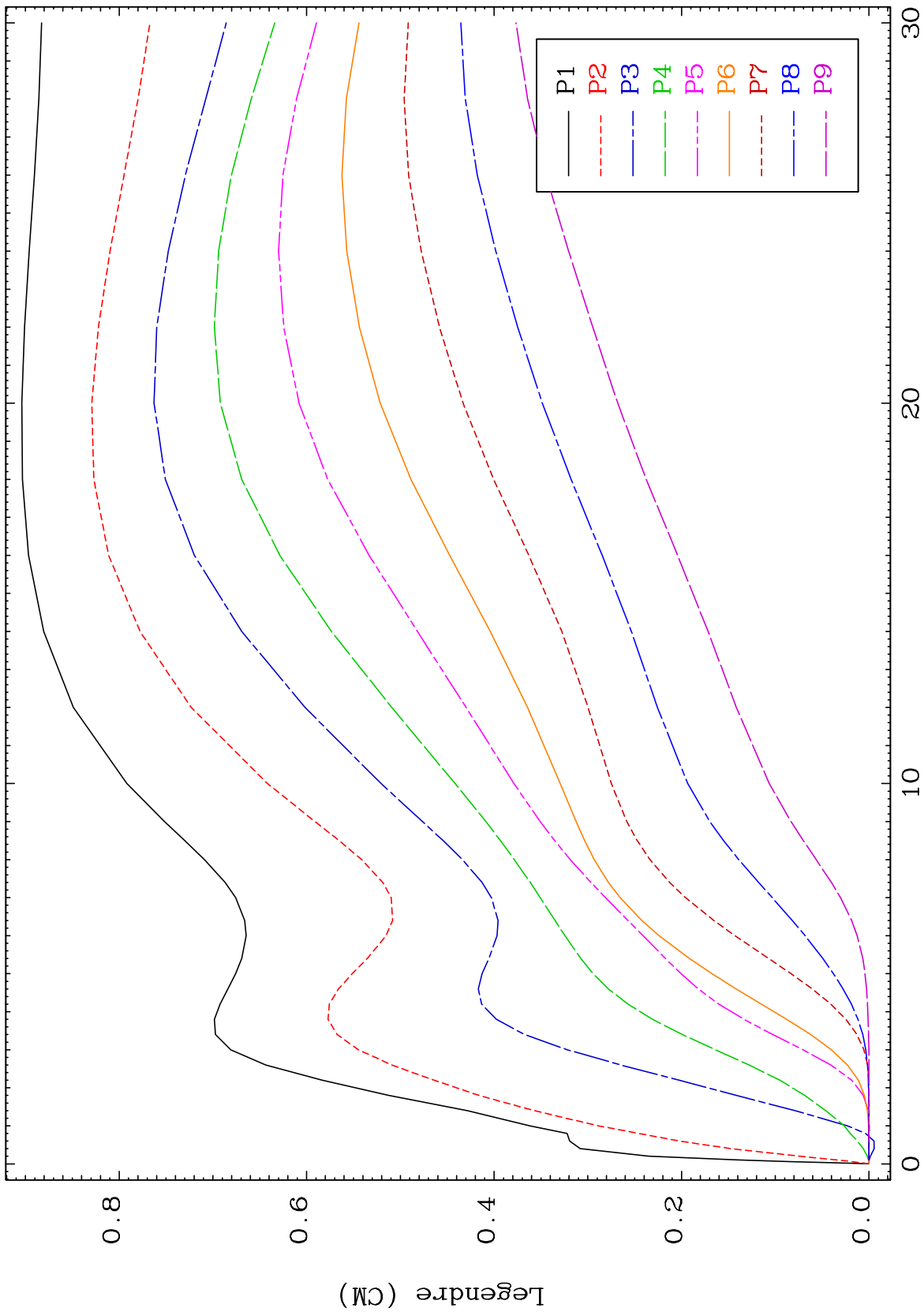
56-Ba-136



MAT 5643

Elastic Legendre Coefficients

56-Ba-136



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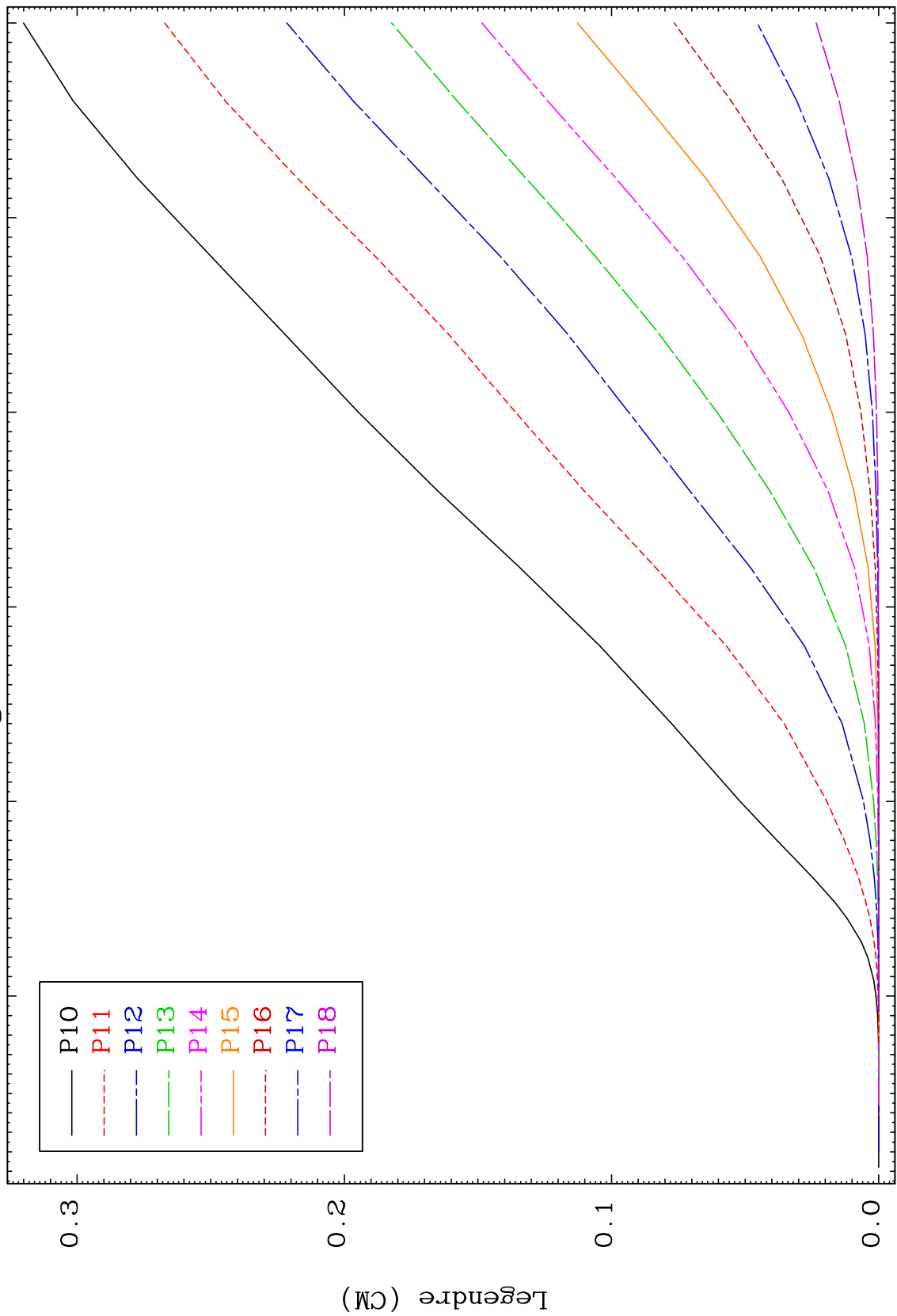
Incident Energy (MeV)

56-Ba-136

MAT 5643

Elastic Legendre Coefficients

56-Ba-136



18

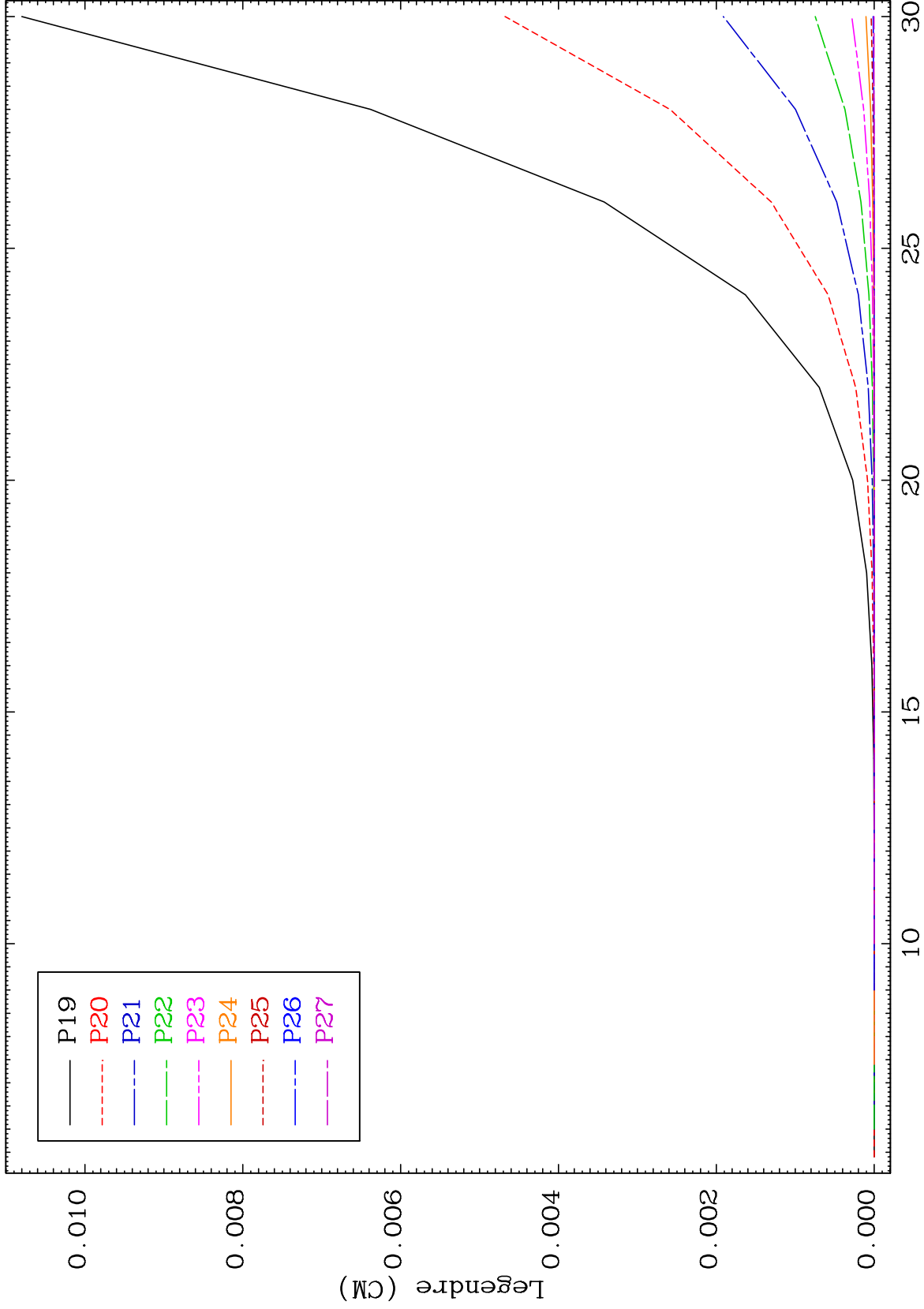
Incident Energy (MeV)

56-Ba-136

MAT 5643

Elastic Legendre Coefficients

56-Ba-136



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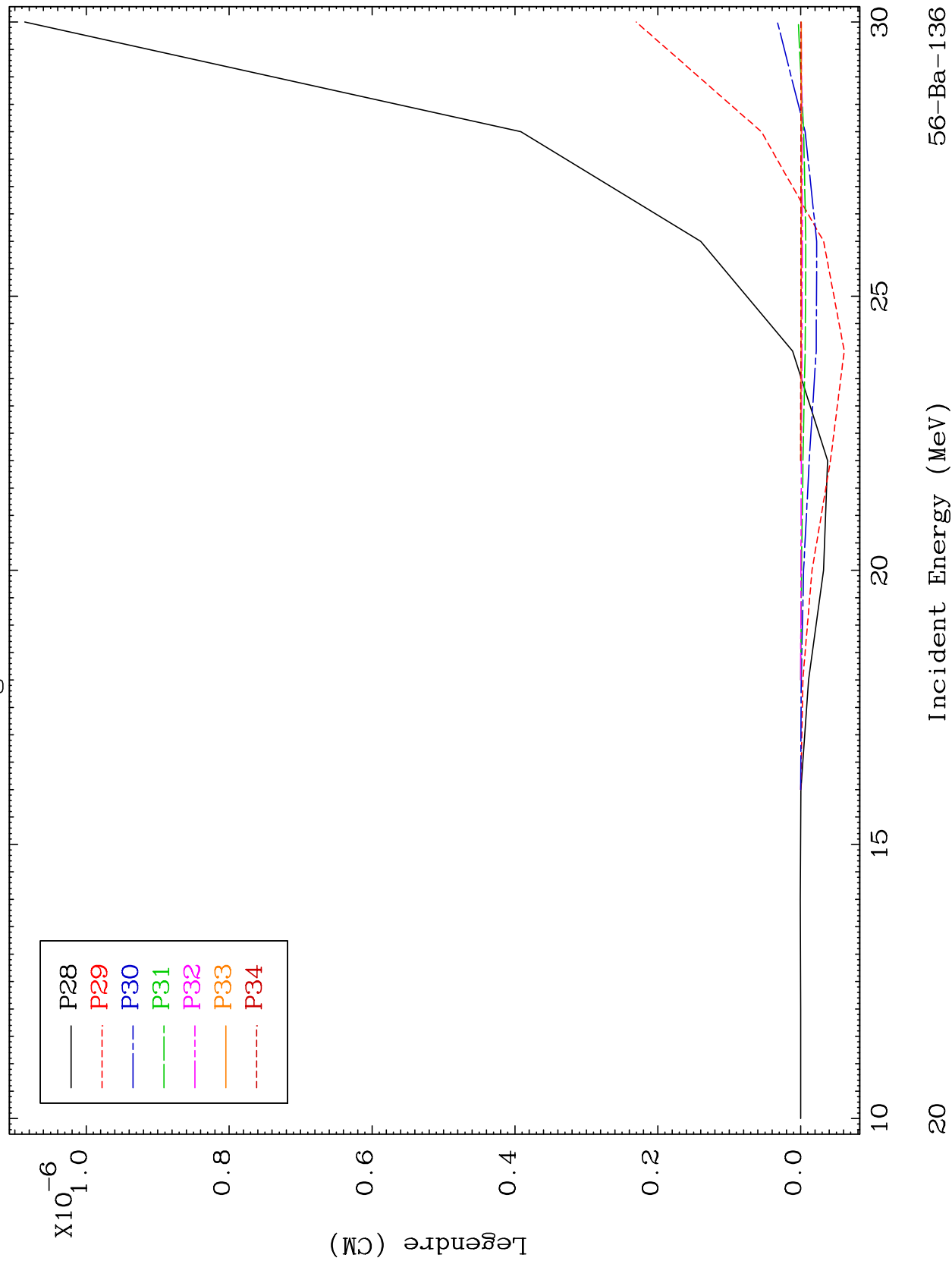
Incident Energy (MeV)

56-Ba-136

MAT 5643

Elastic Legendre Coefficients

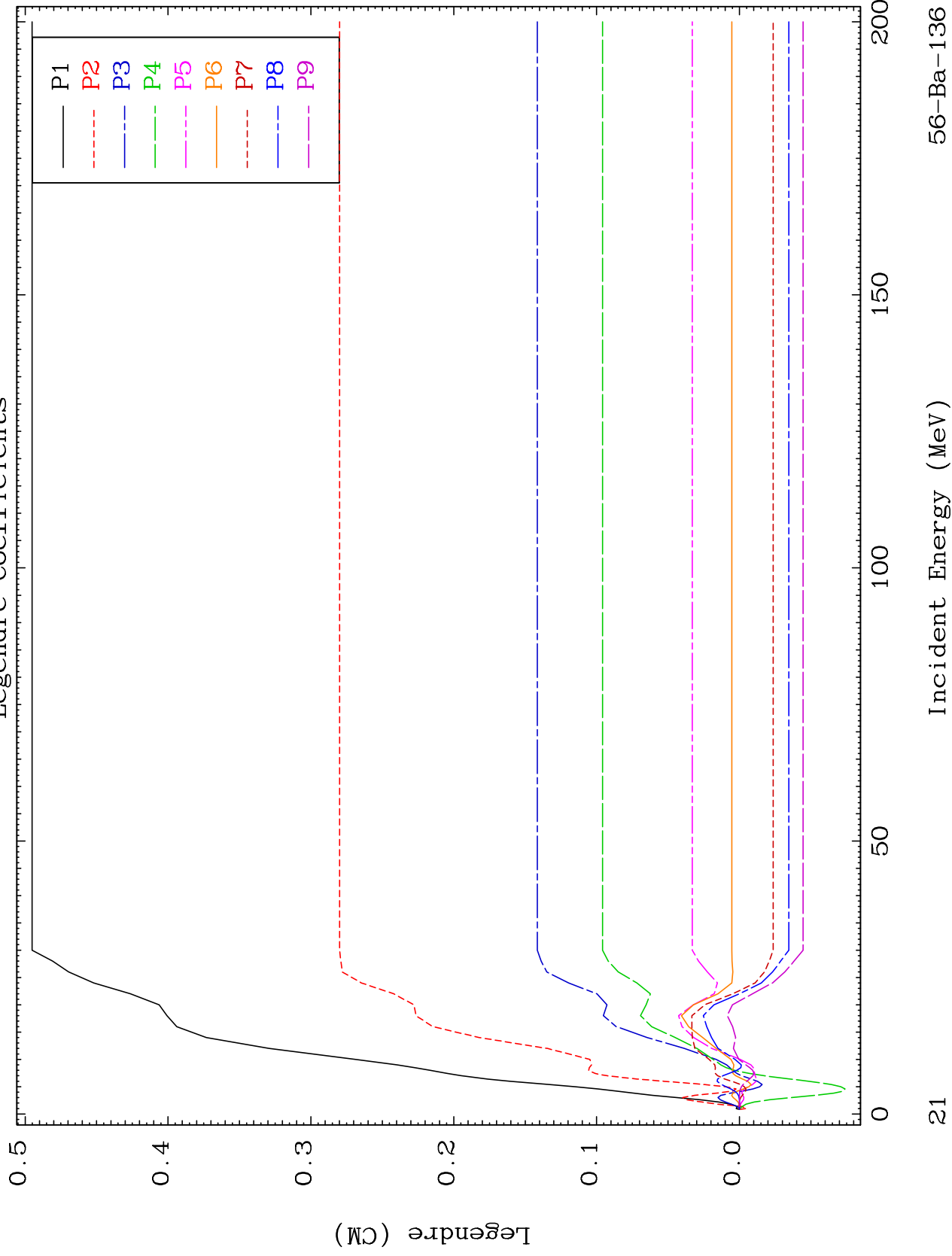
56-Ba-136



MAT 5643

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

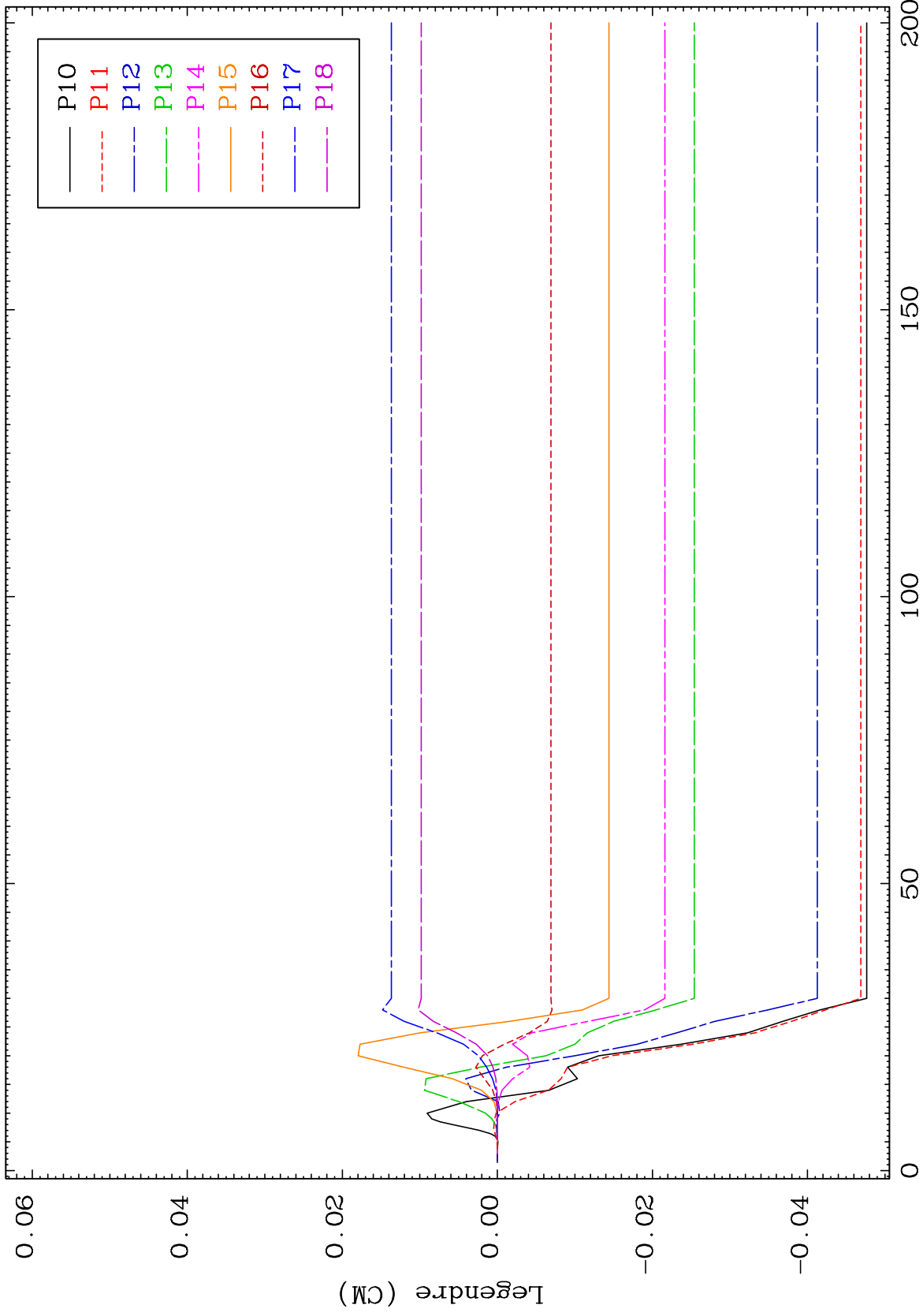
56-Ba-136



MAT 5643

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

56-Ba-136



22

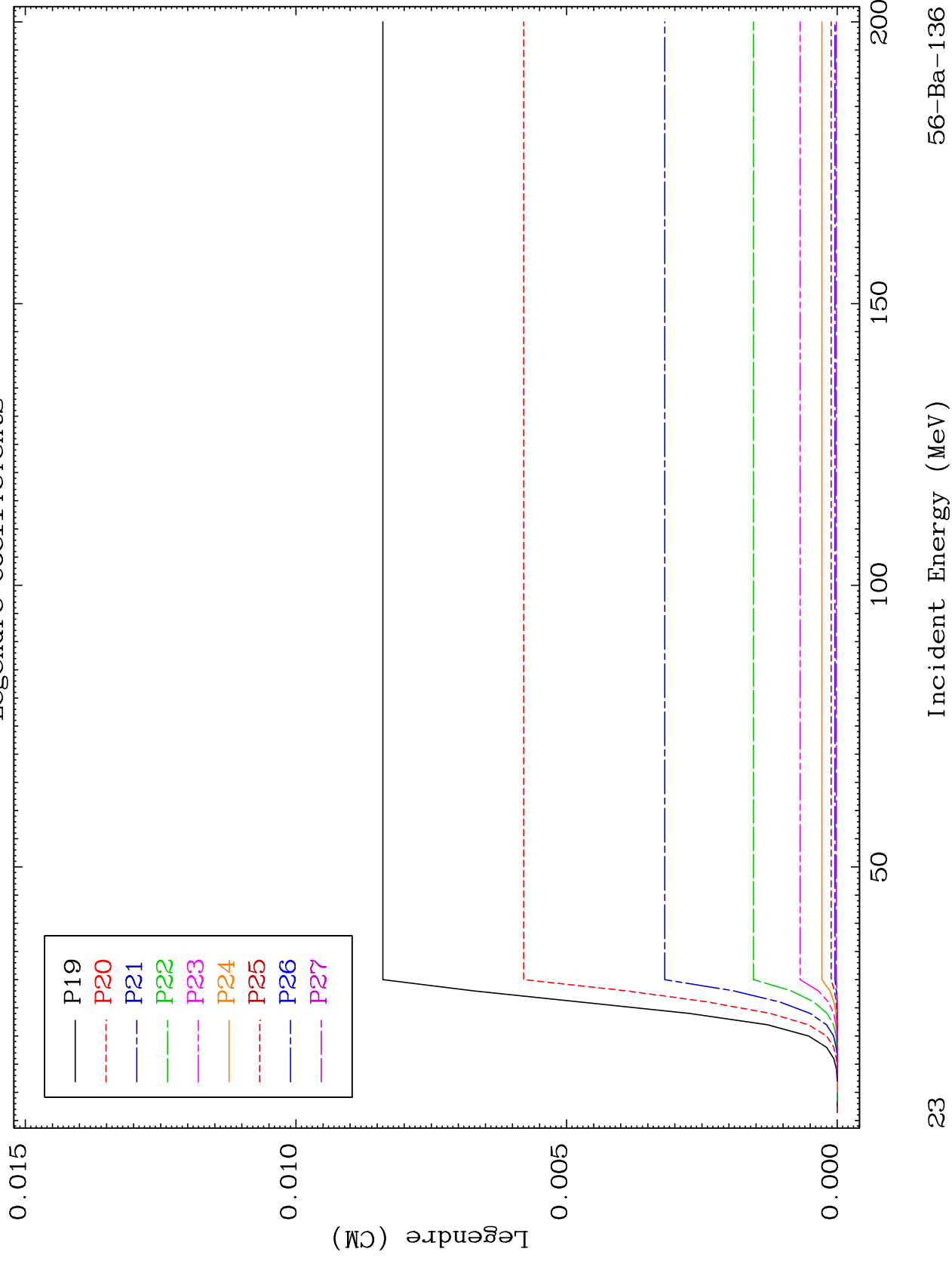
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136

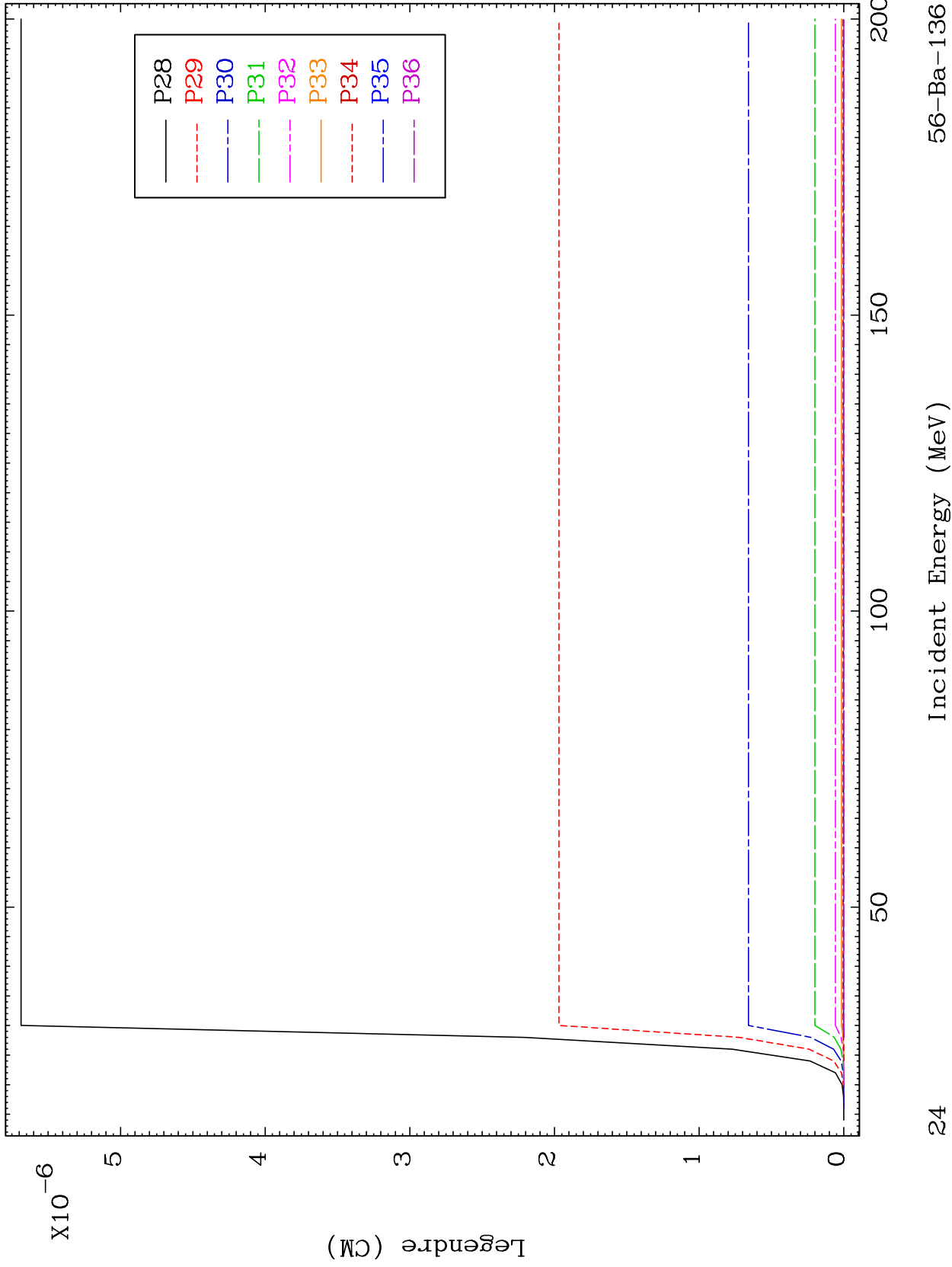




MAT 5643

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

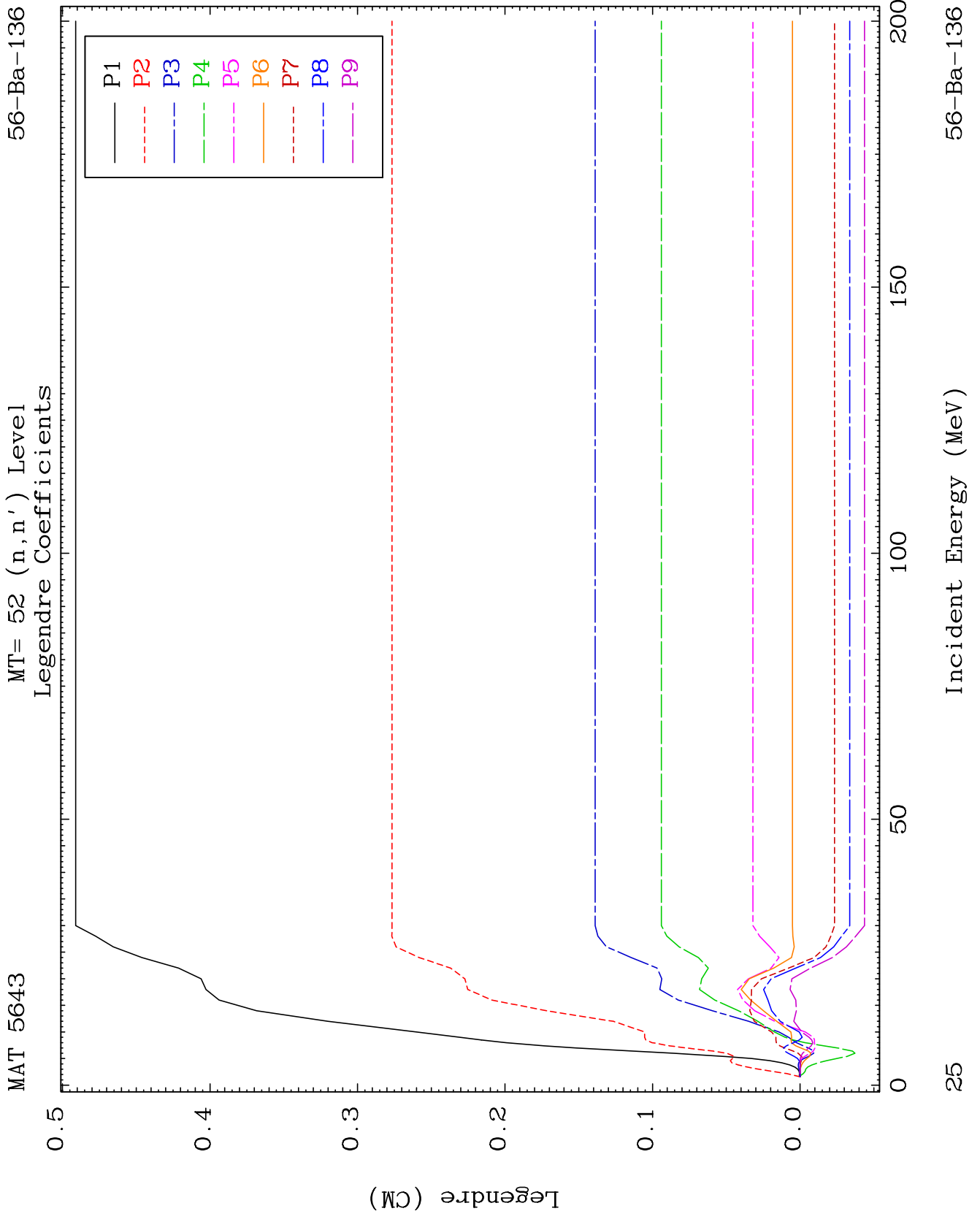
56-Ba-136



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Incident Energy (MeV)

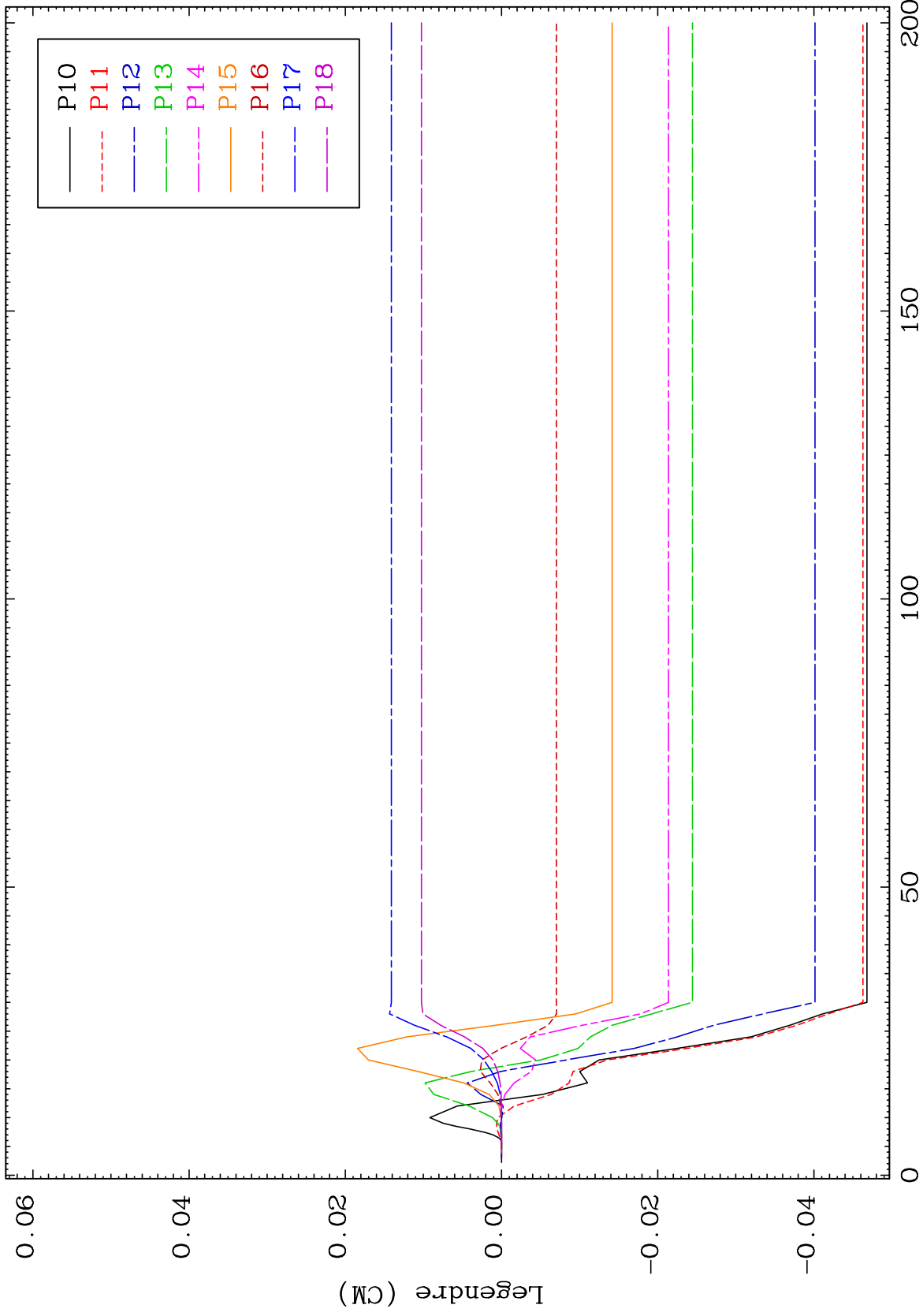
56-Ba-136



MAT 5643

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

56-Ba-136



26

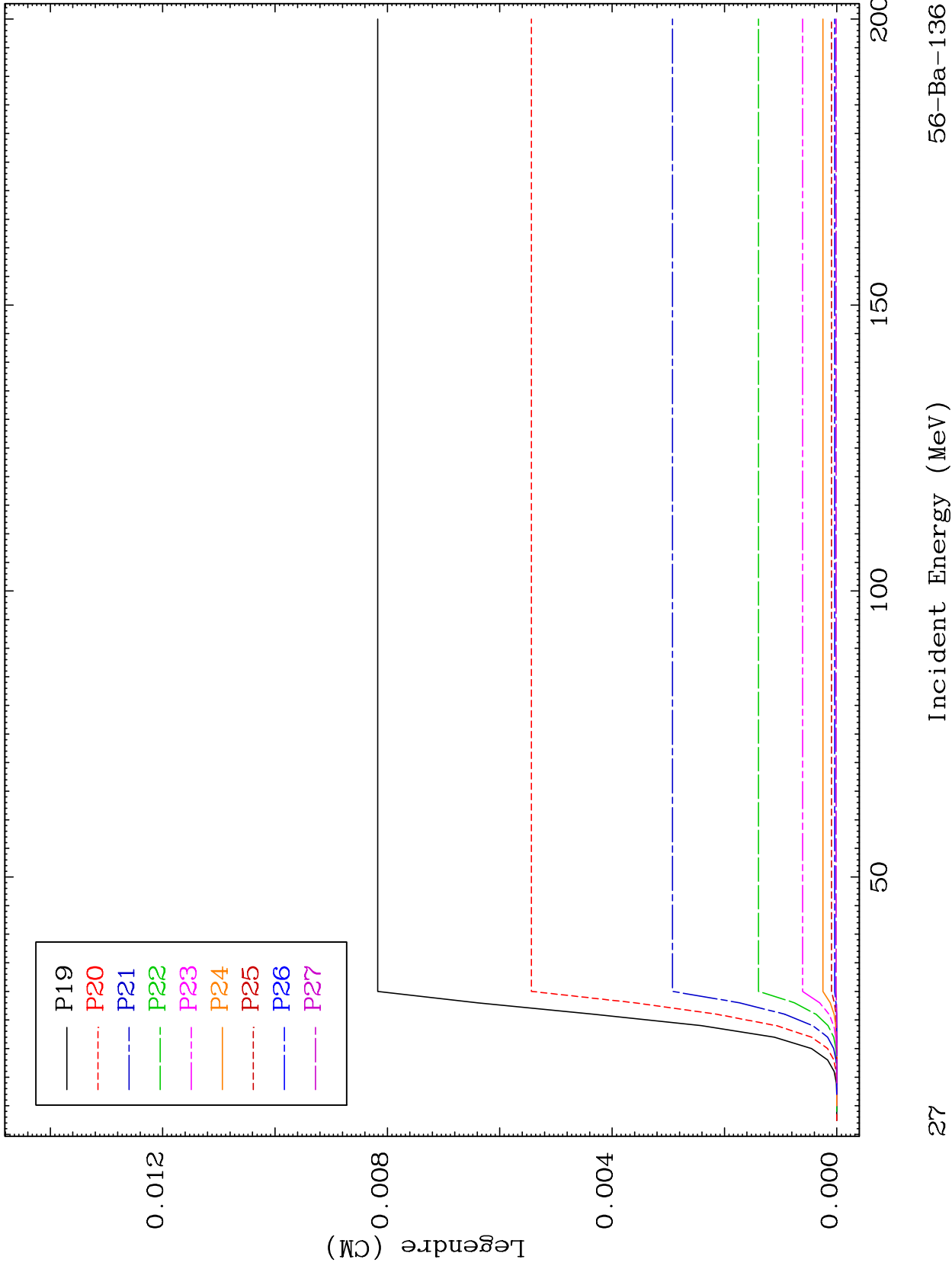
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

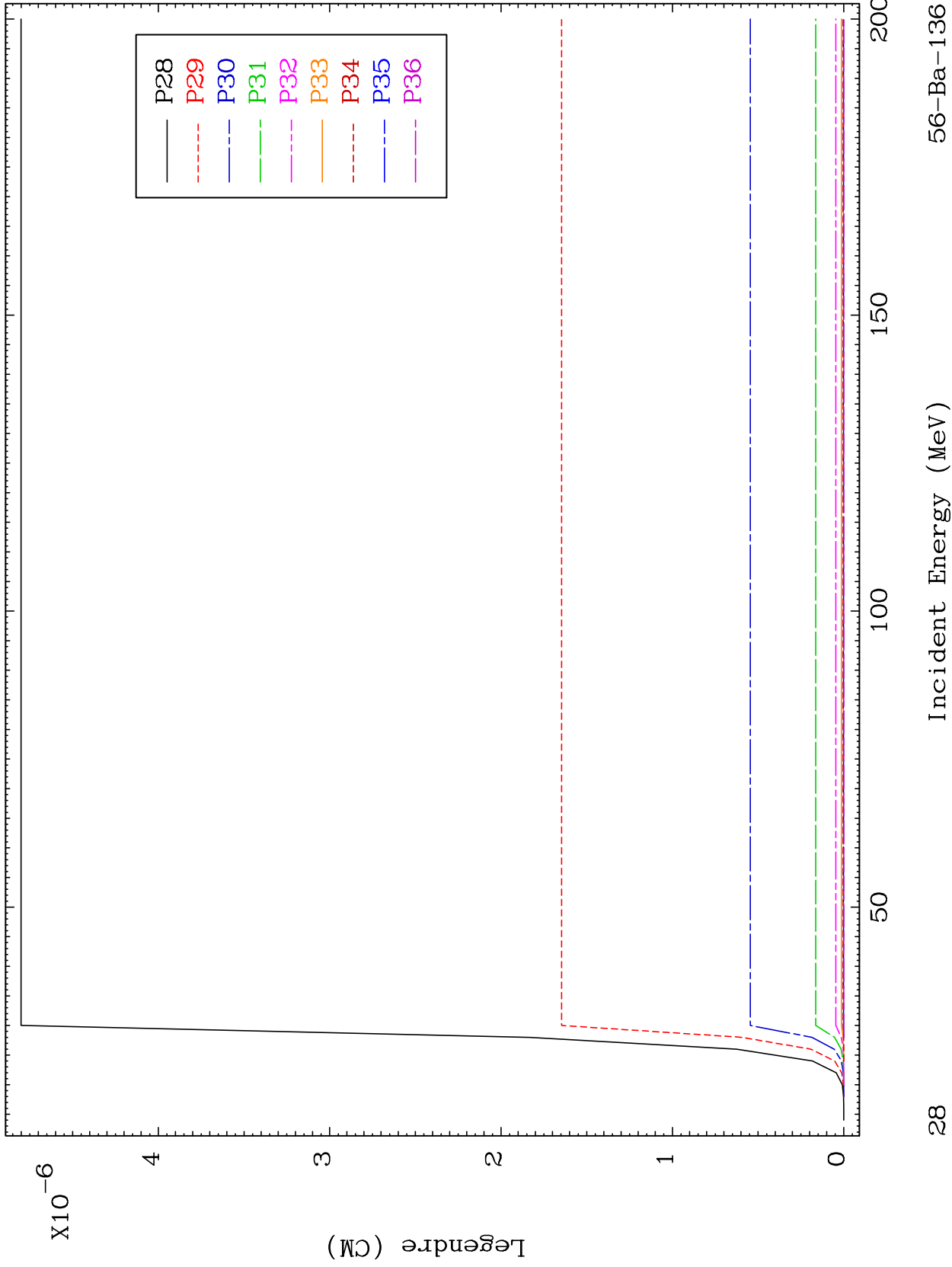
56-Ba-136



MAT 5643

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

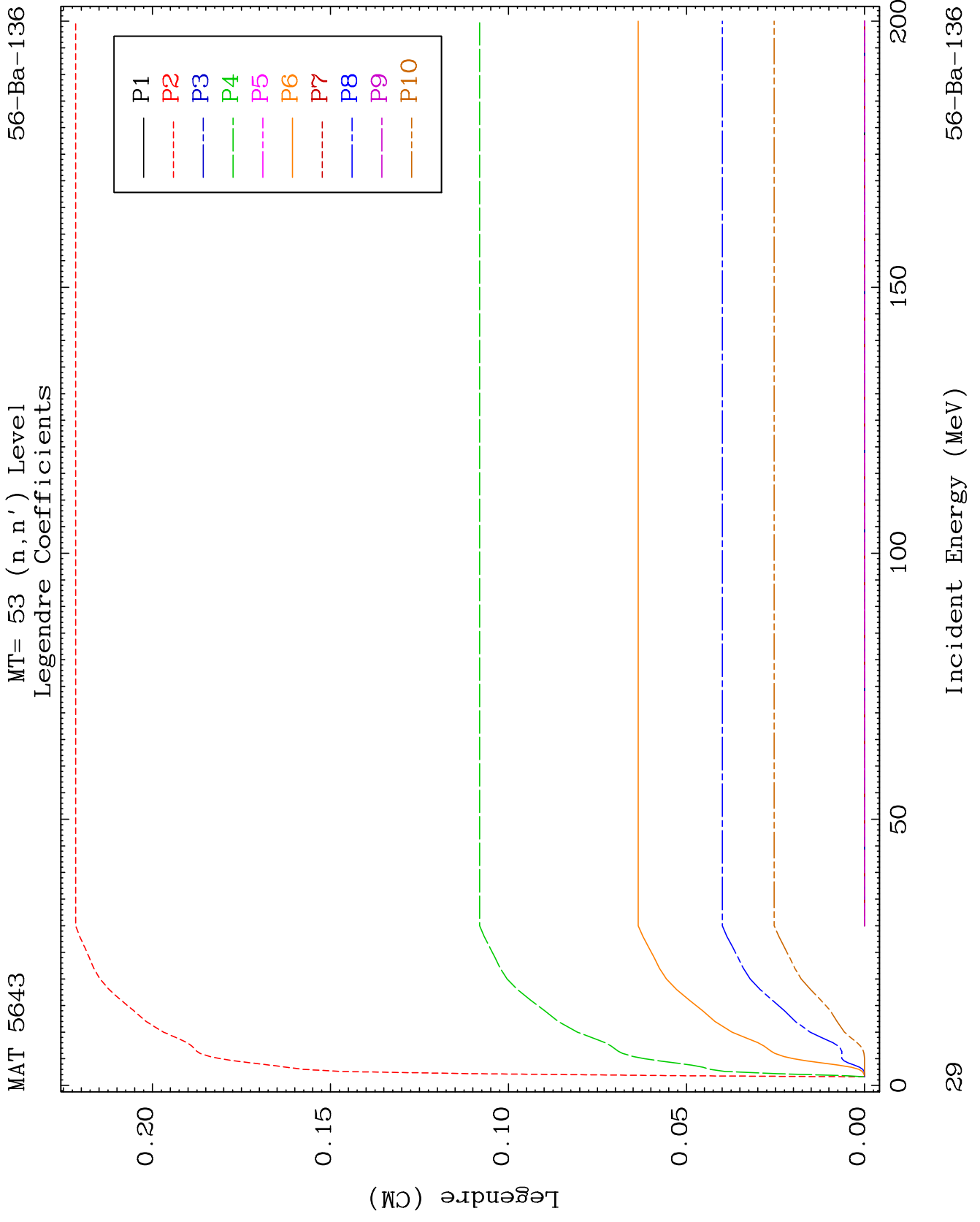
56-Ba-136



28

Incident Energy (MeV)

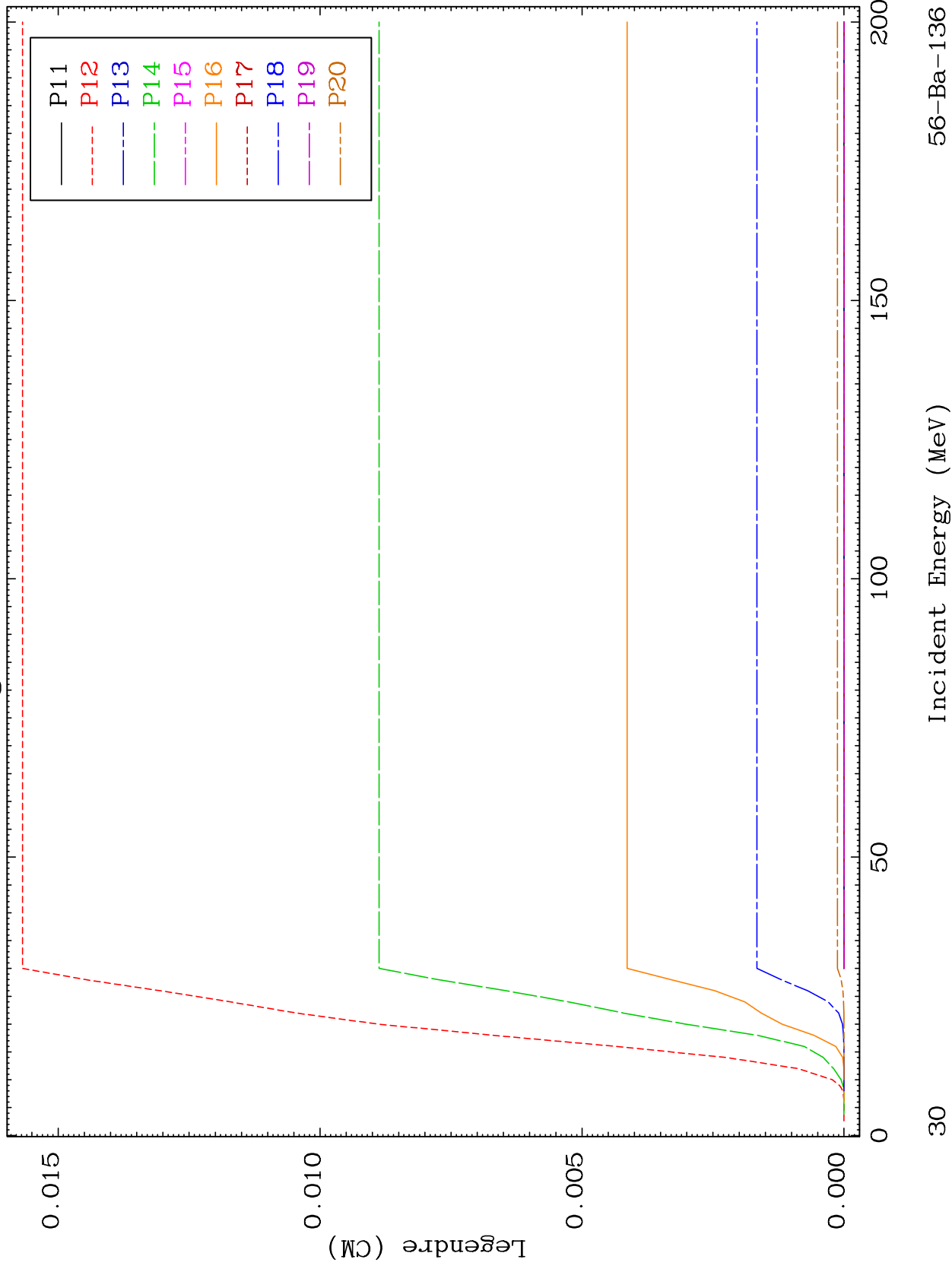
56-Ba-136



MAT 5643

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

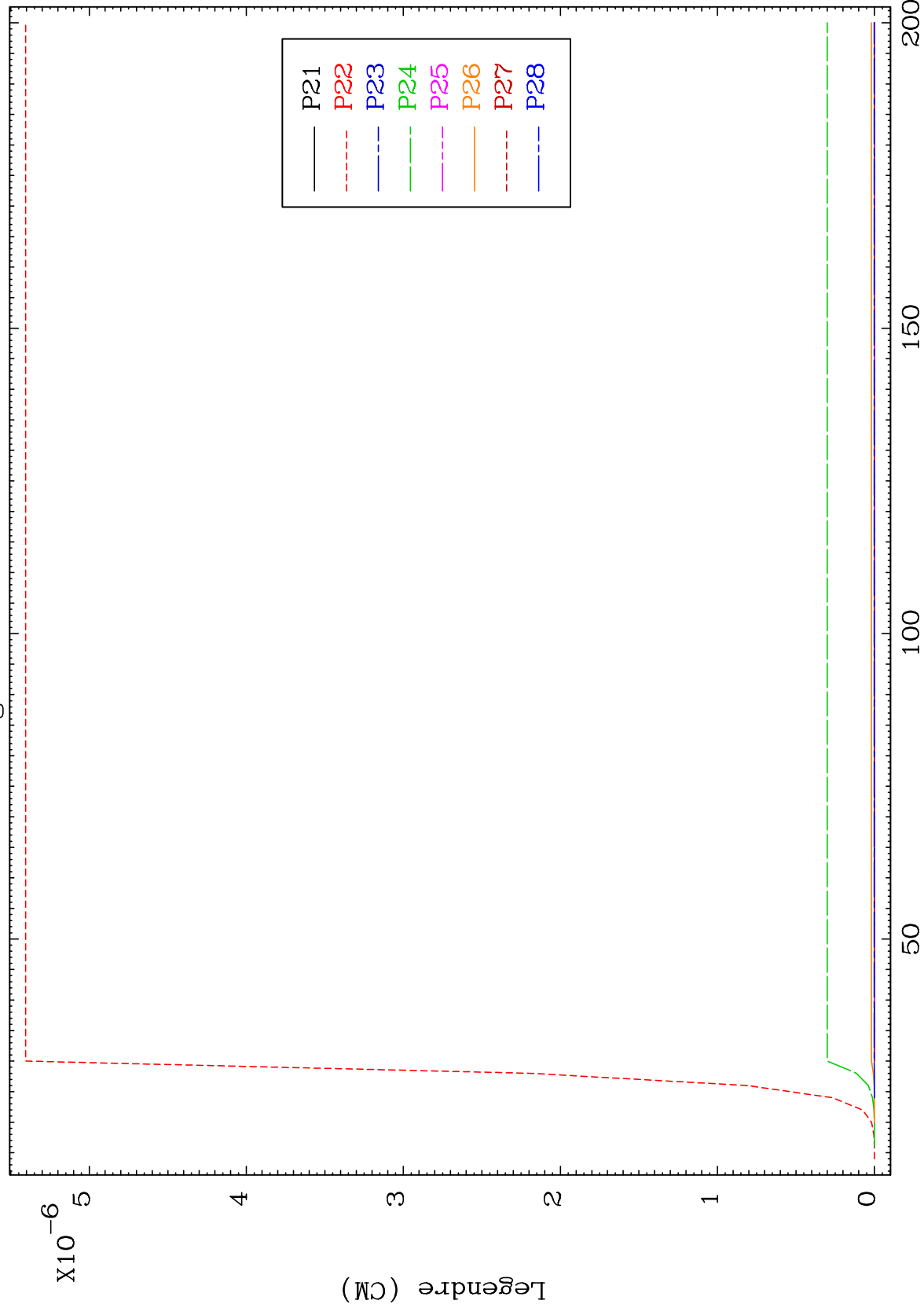
56-Ba-136



MAT 5643

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

56-Ba-136



31

Incident Energy (MeV)

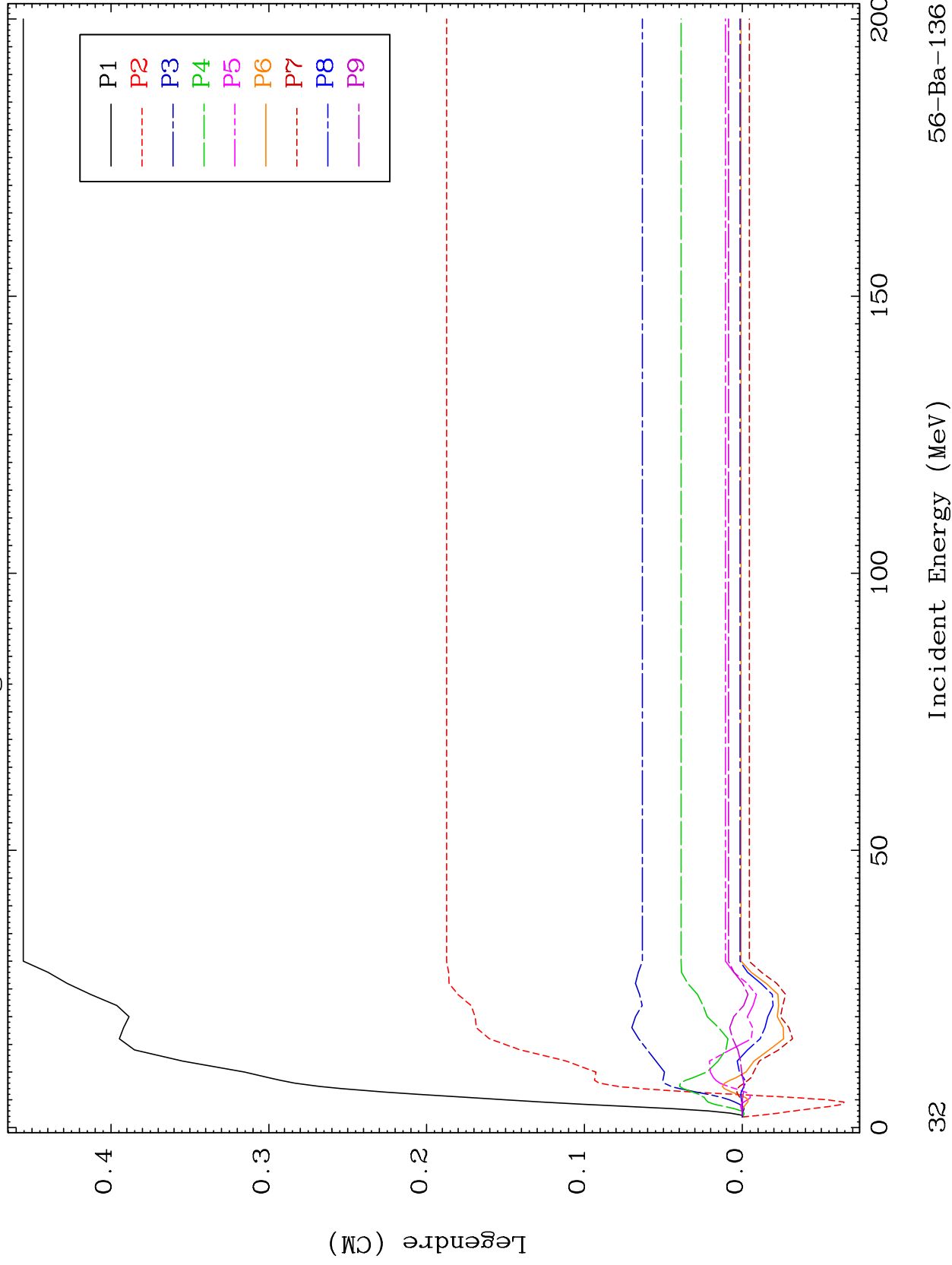
56-Ba-136



MAT 5643

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

56-Ba-136



56-Ba-136

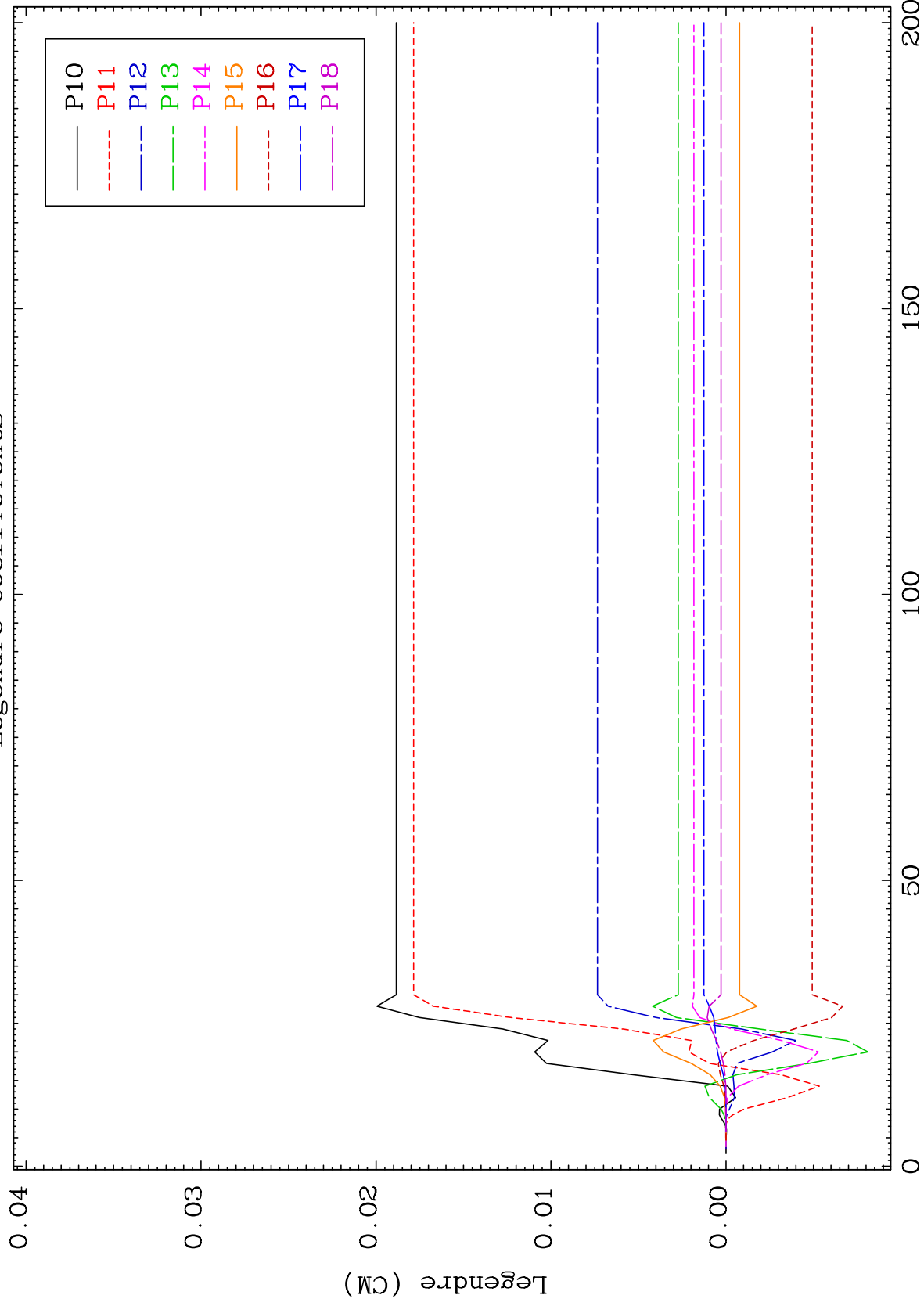
Incident Energy (MeV)

32

MAT 5643

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

56-Ba-136



33

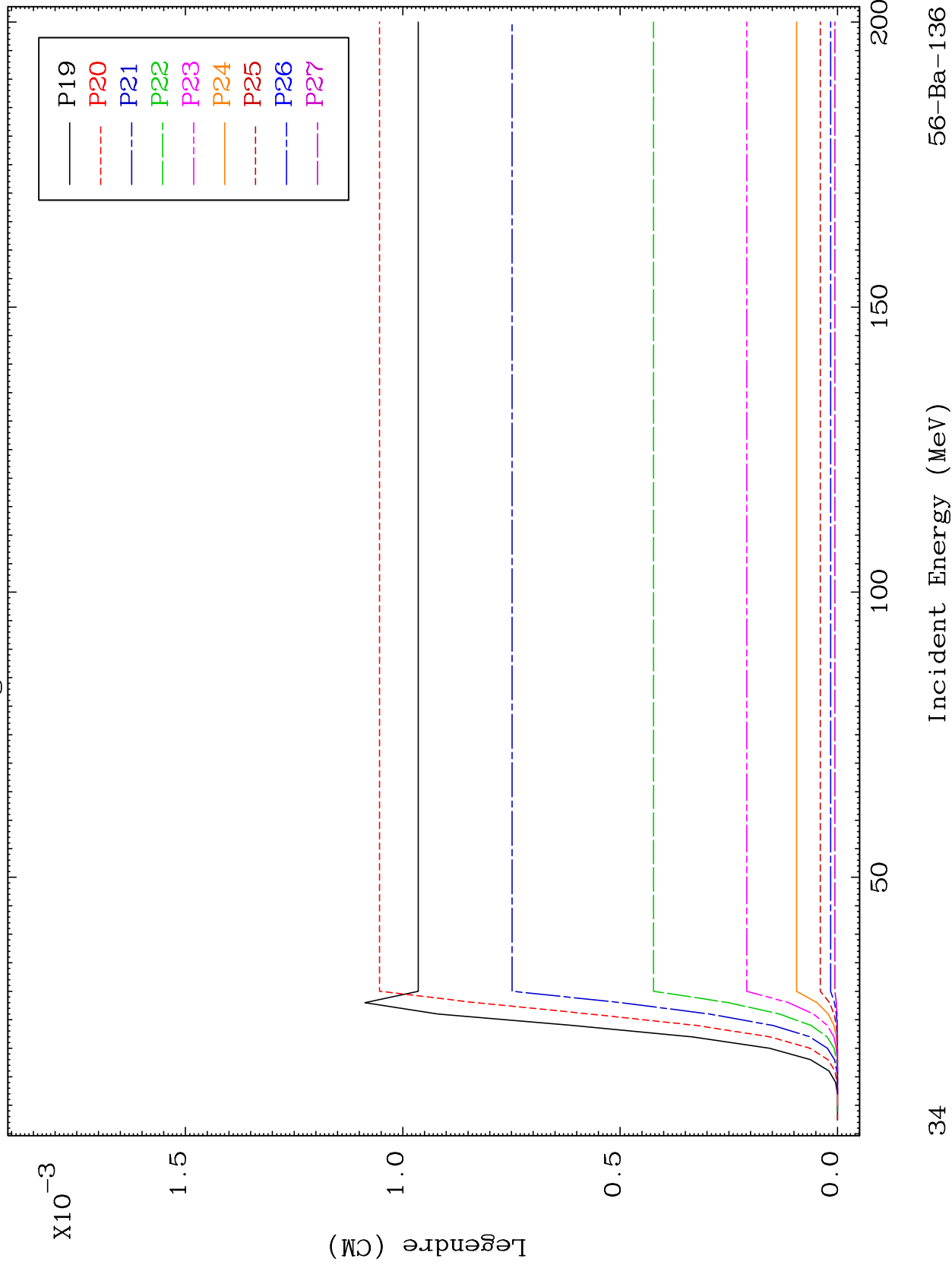
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136

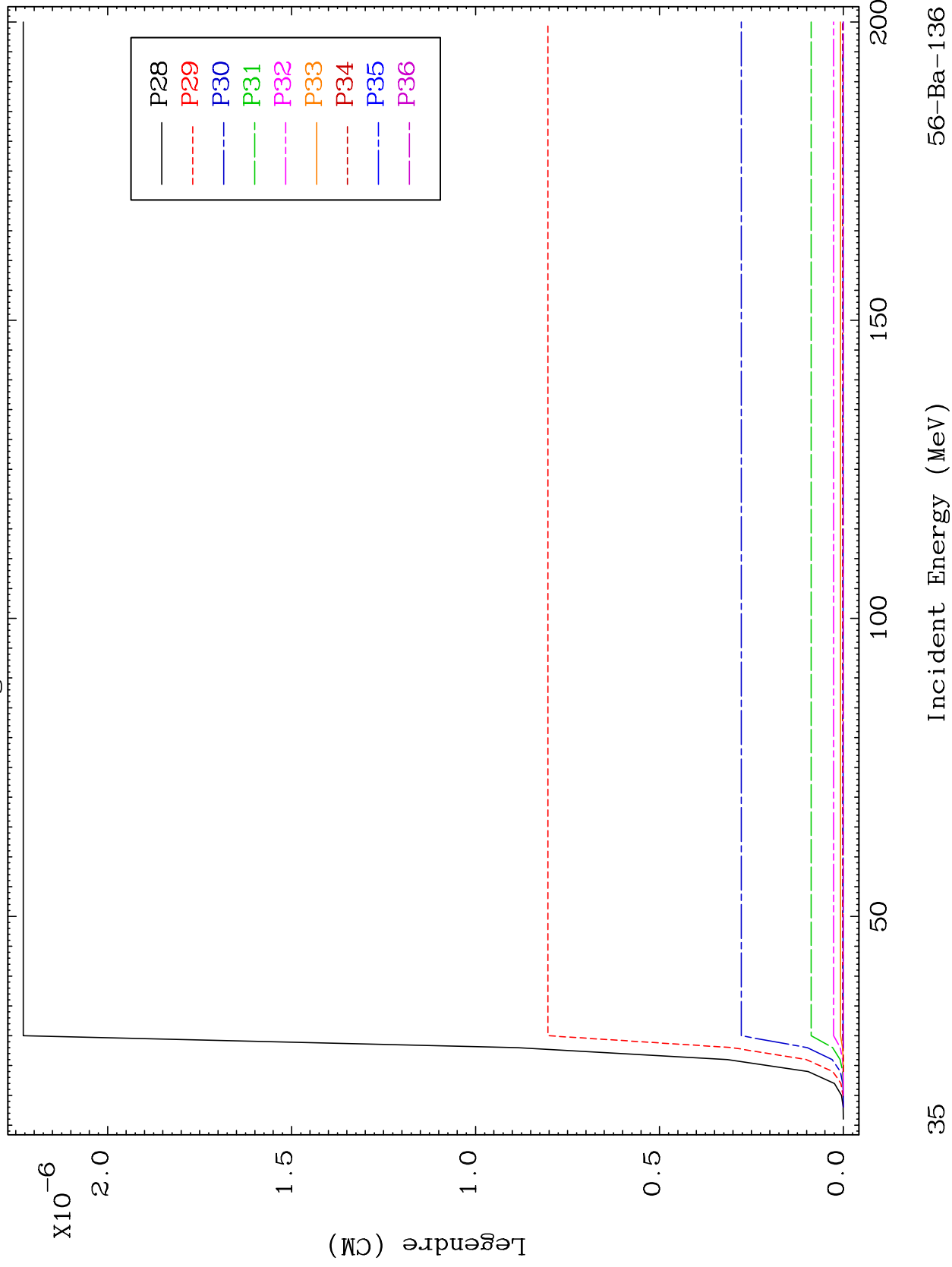


34

MAT 5643

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

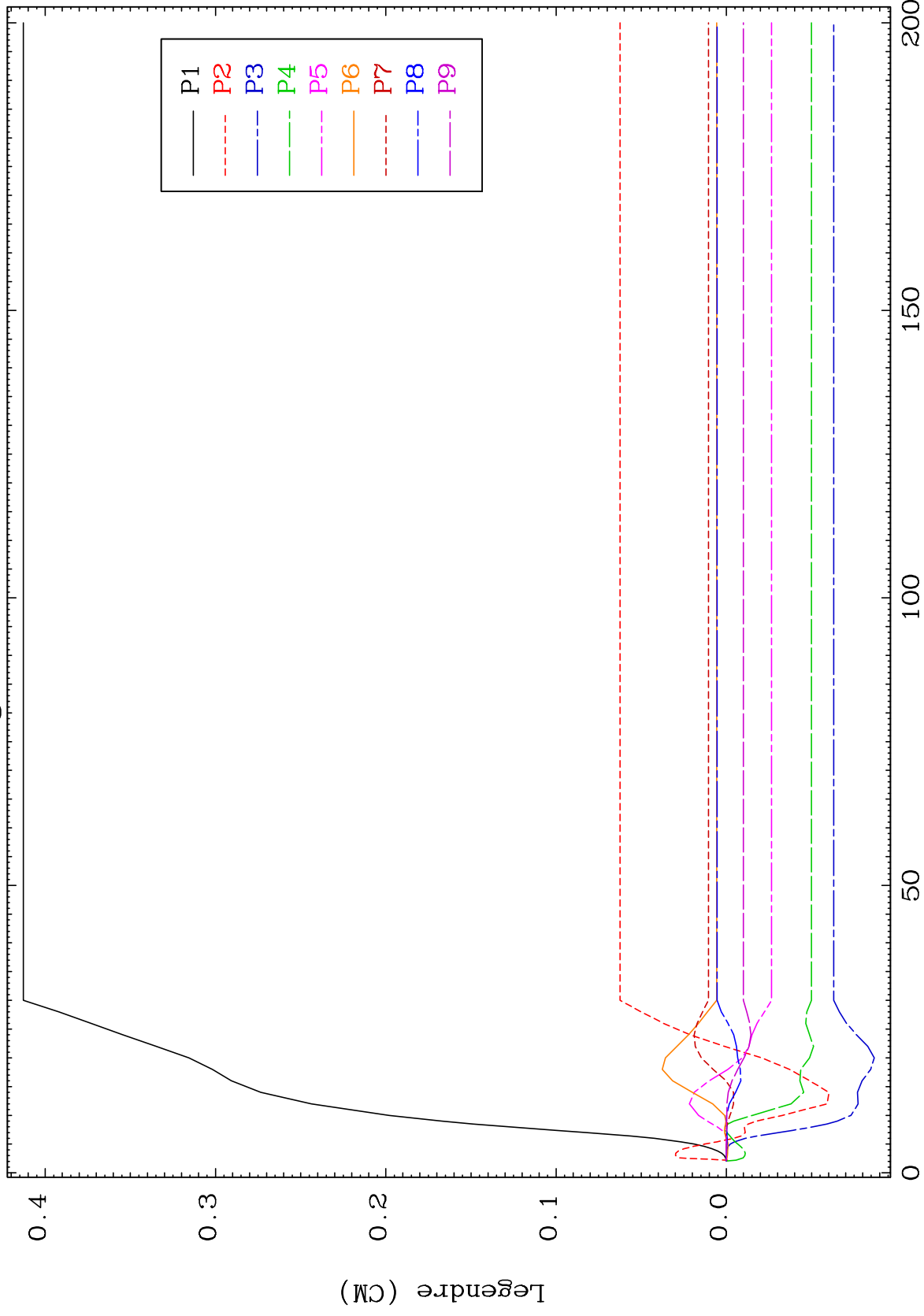
56-Ba-136



MAT 5643

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

56-Ba-136



36

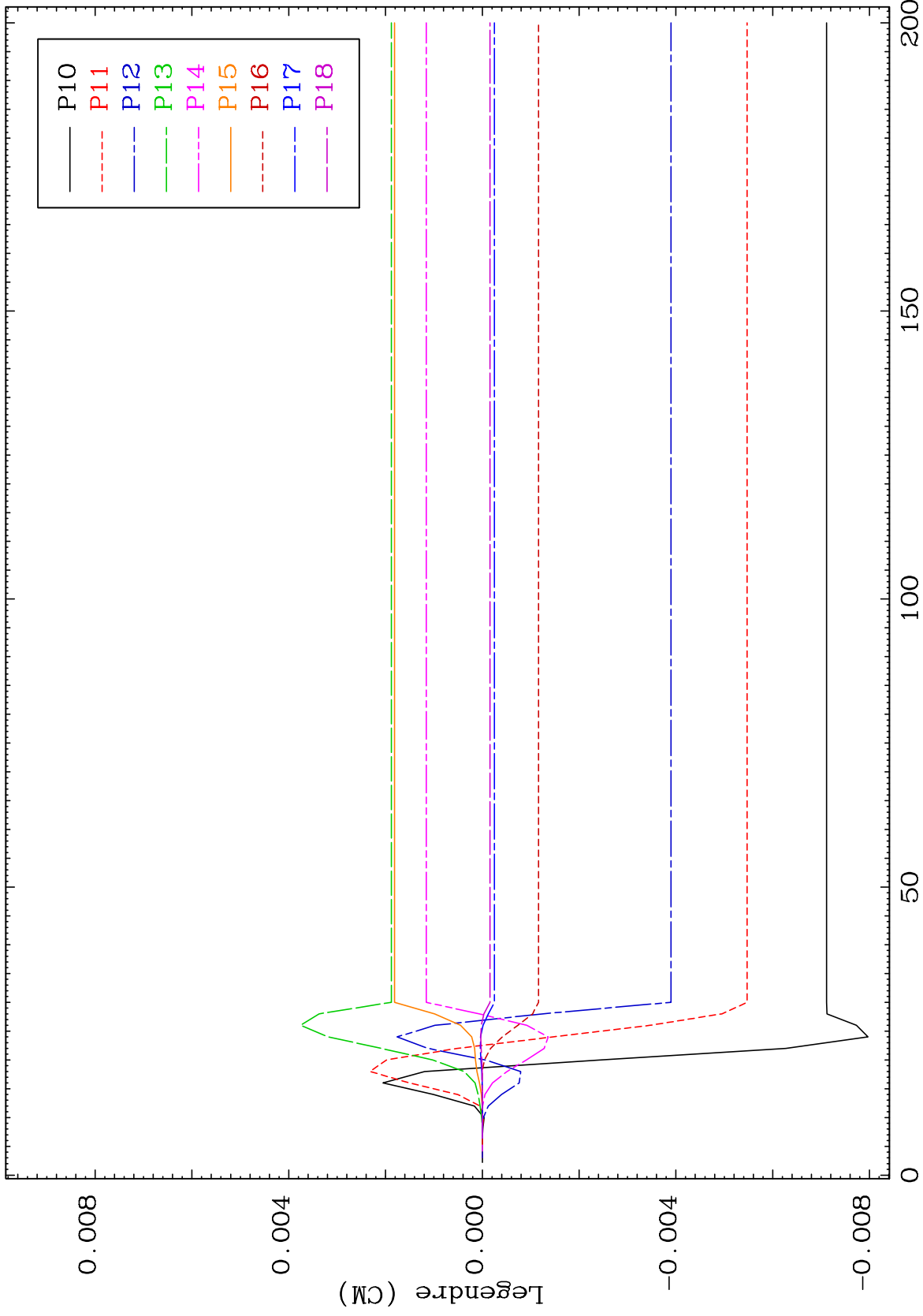
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



37

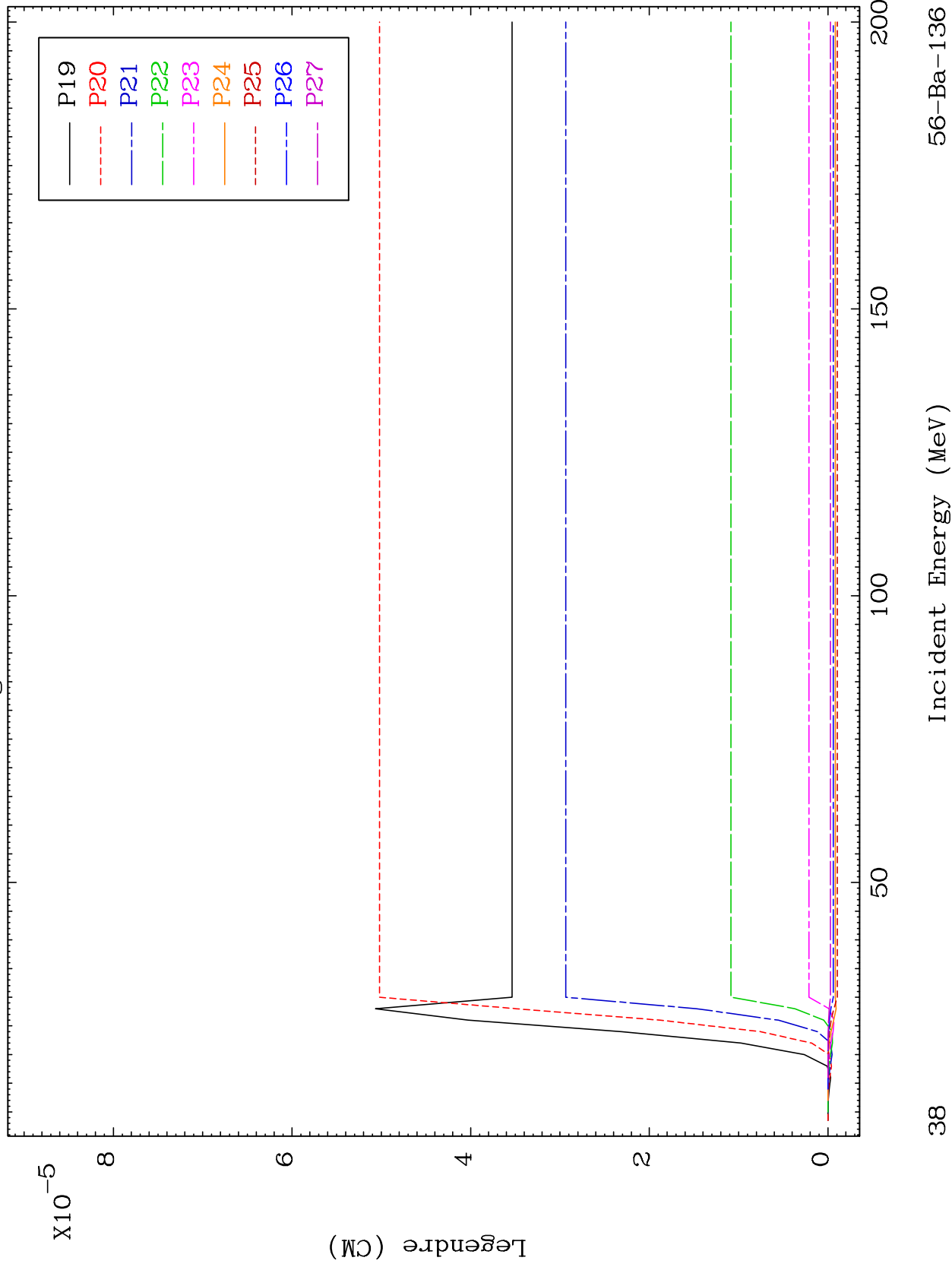
Incident Energy (MeV)

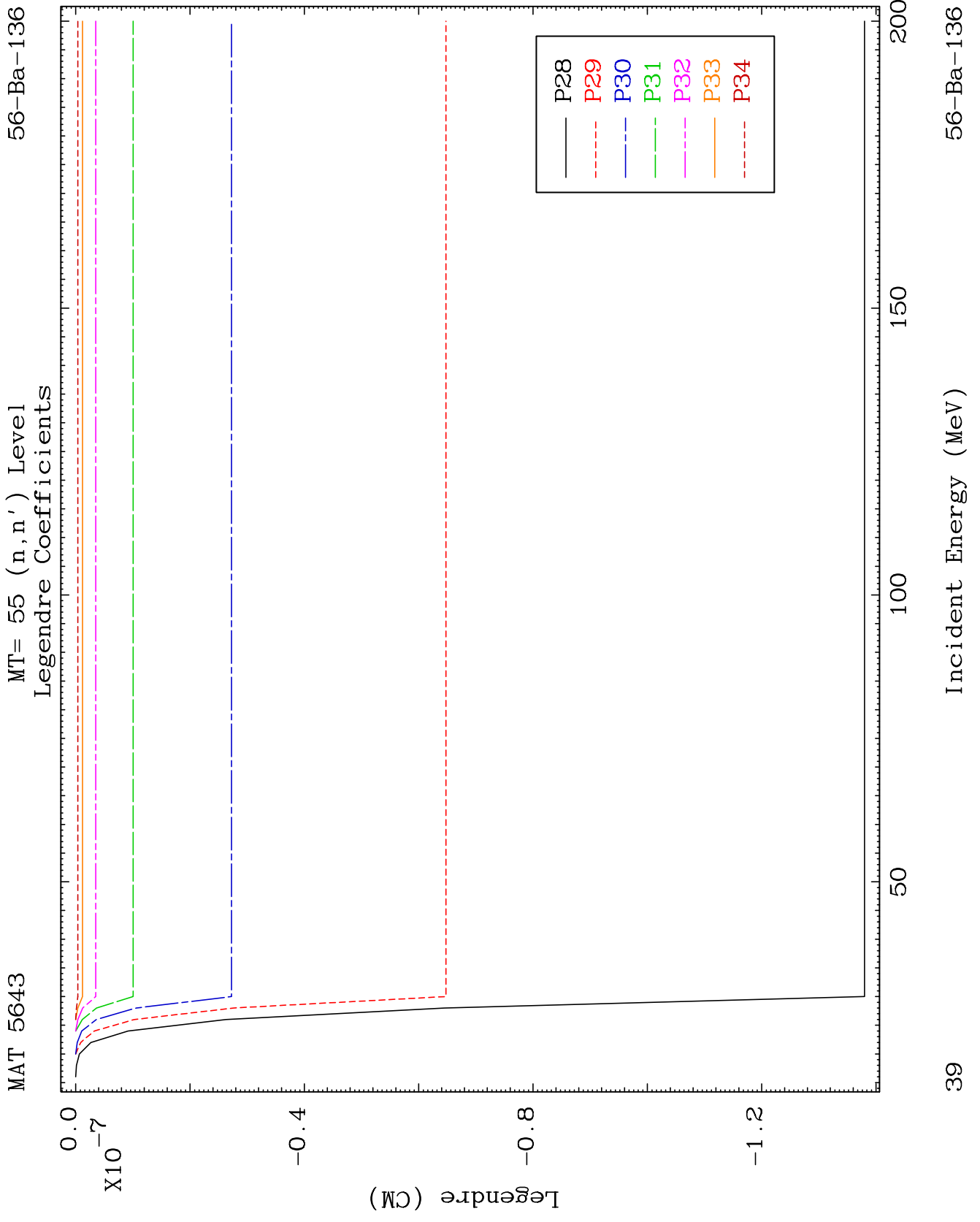
56-Ba-136

MAT 5643

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

56-Ba-136



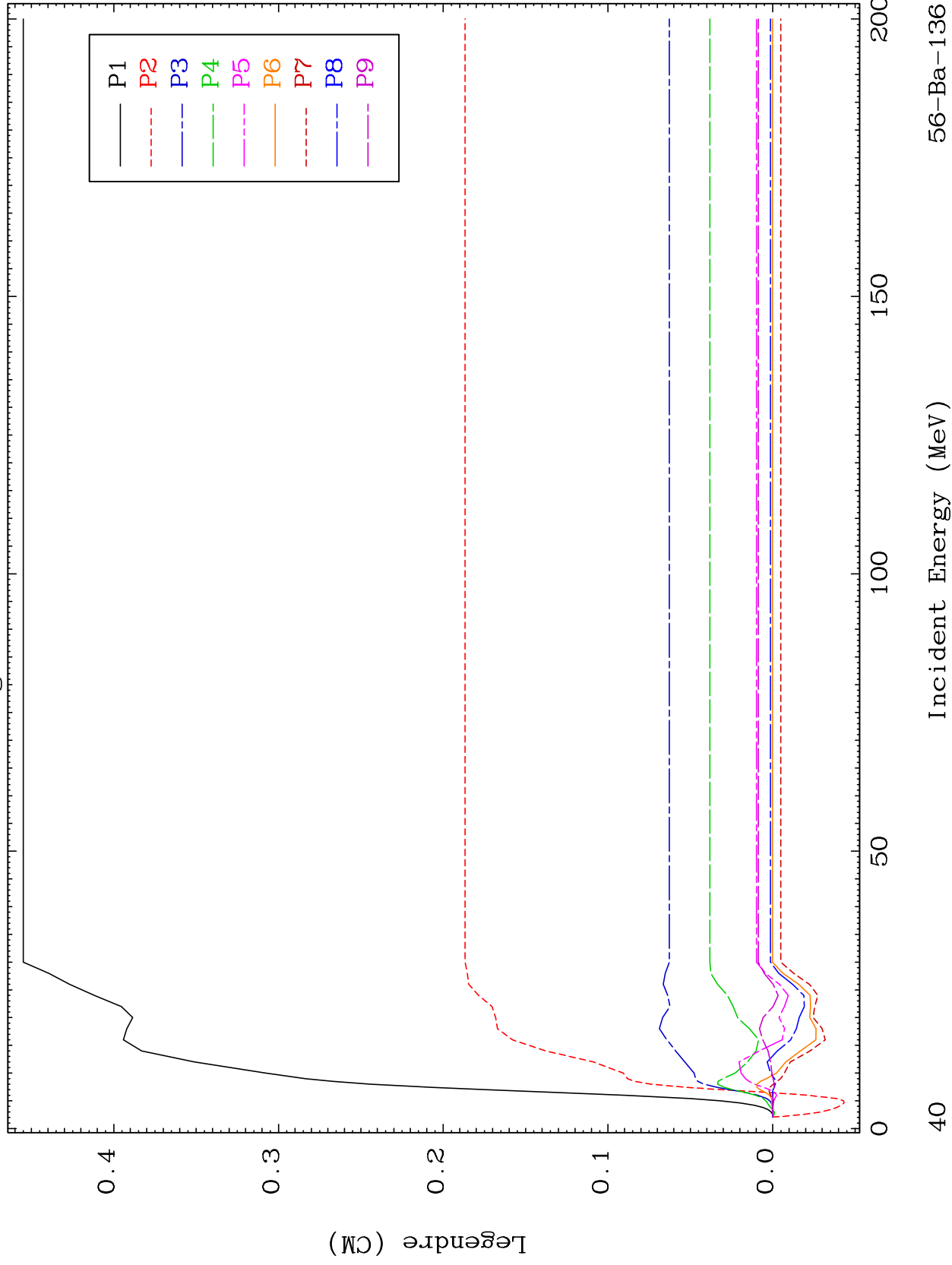




MAT 5643

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

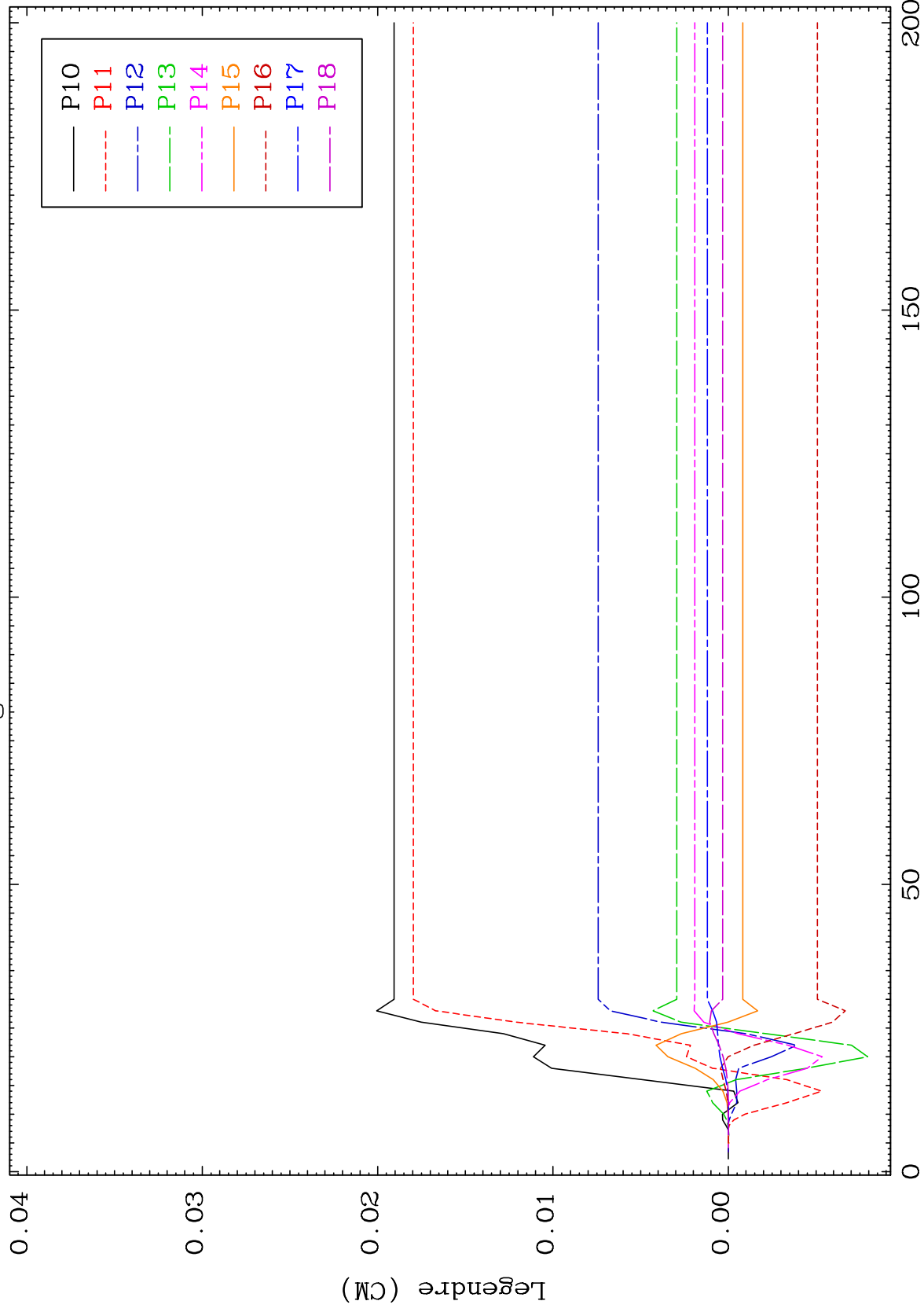
56-Ba-136



MAT 5643

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

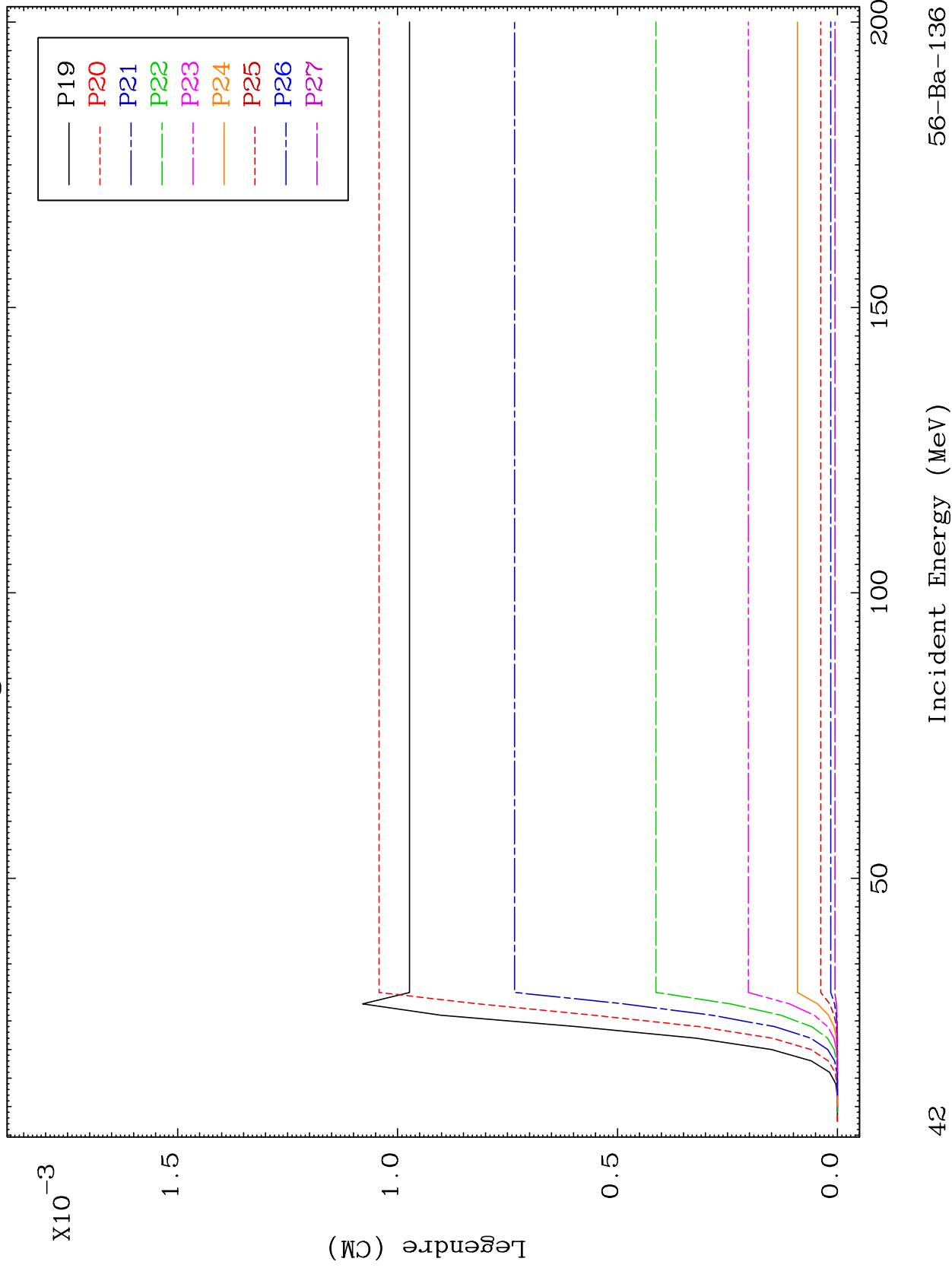
56-Ba-136



MAT 5643

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

56-Ba-136



42

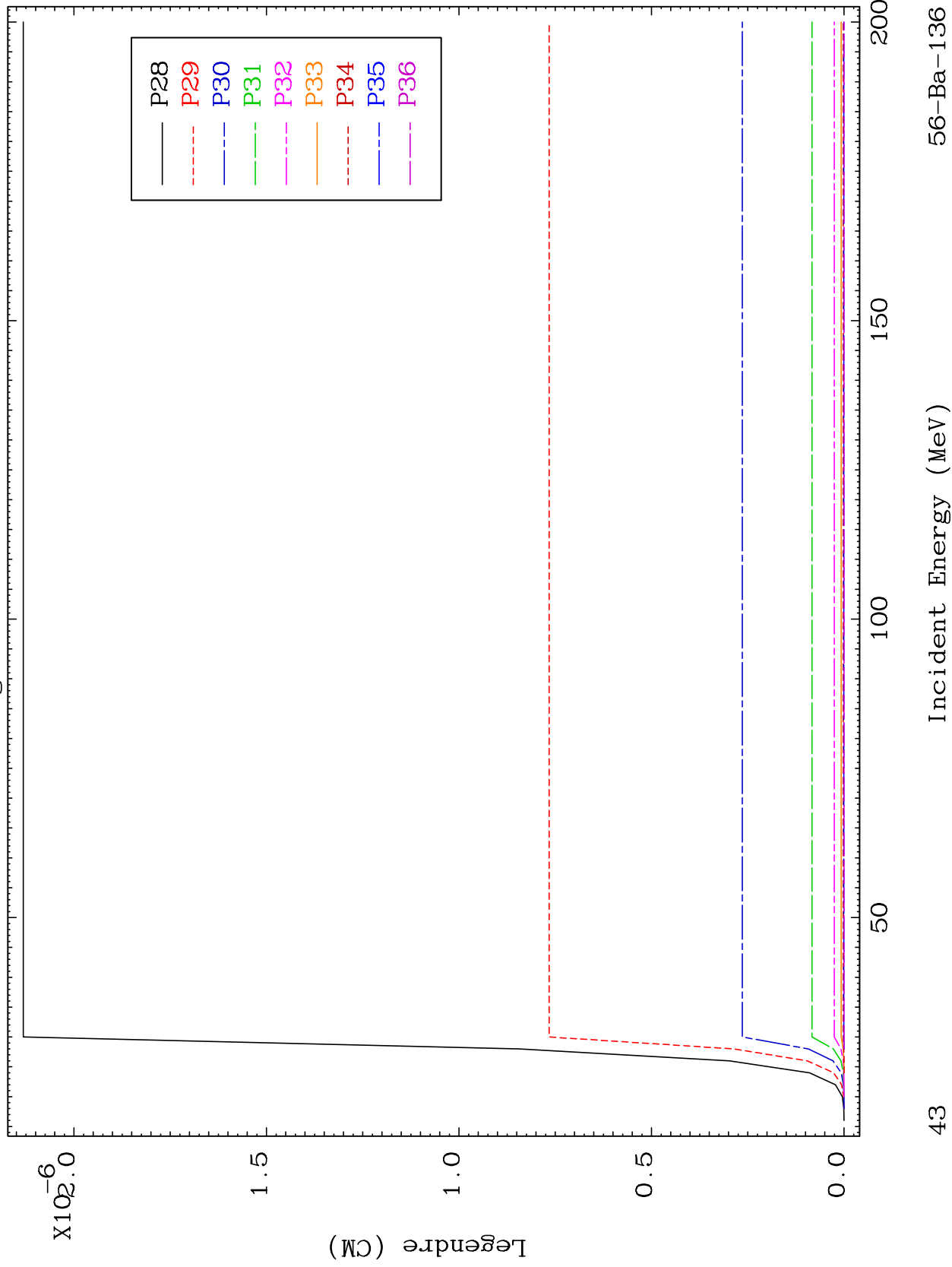
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



43

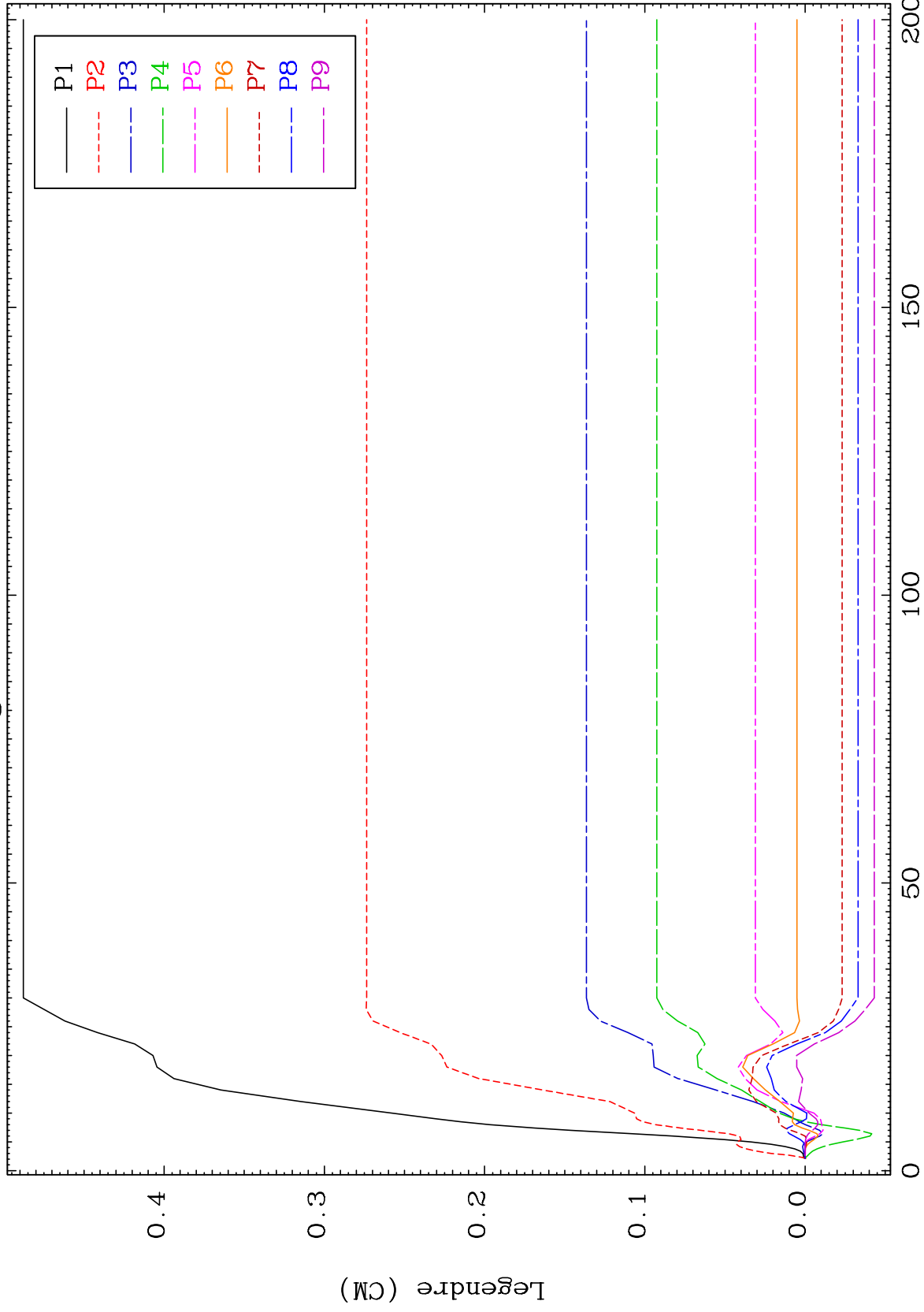
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



44

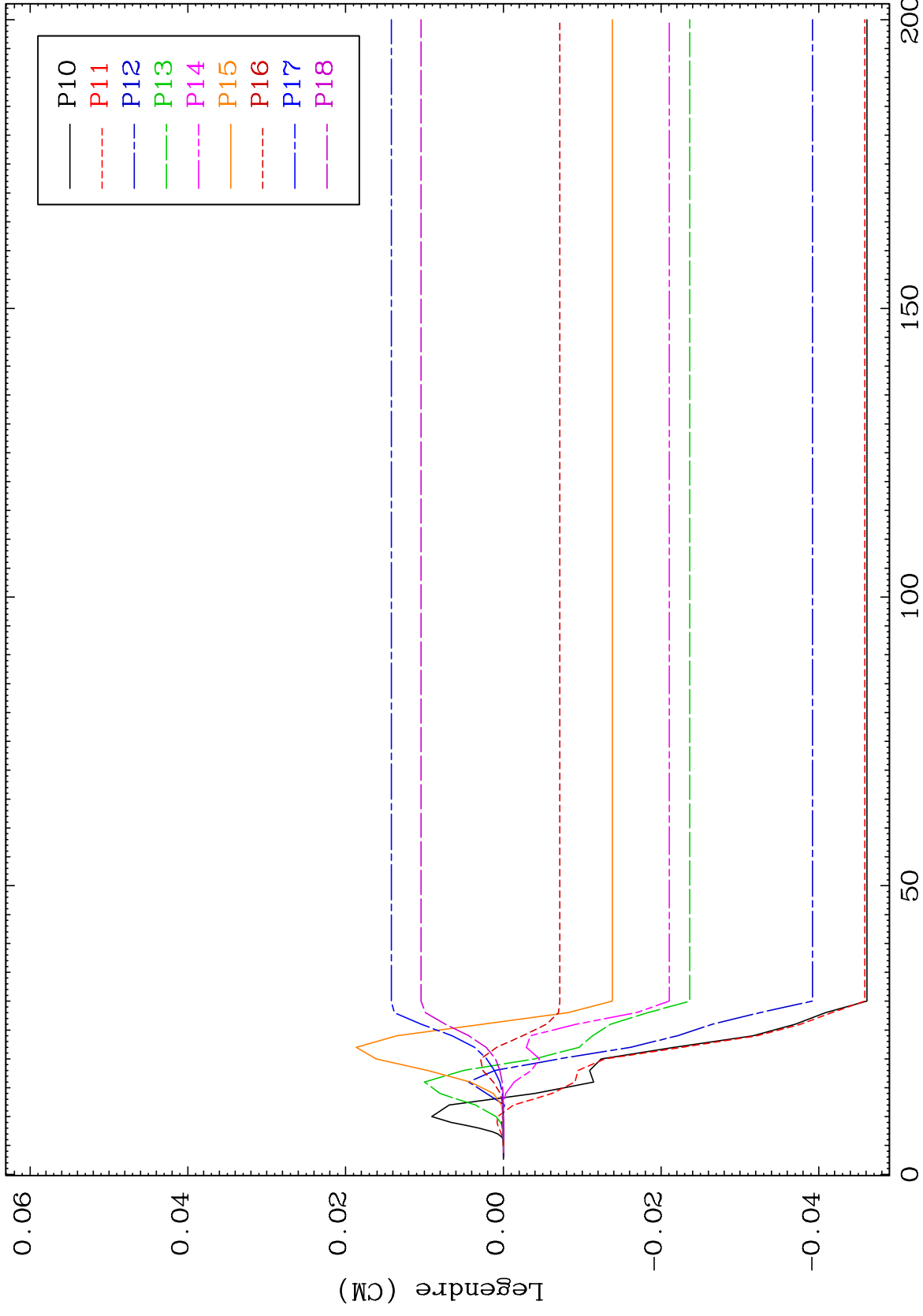
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



45

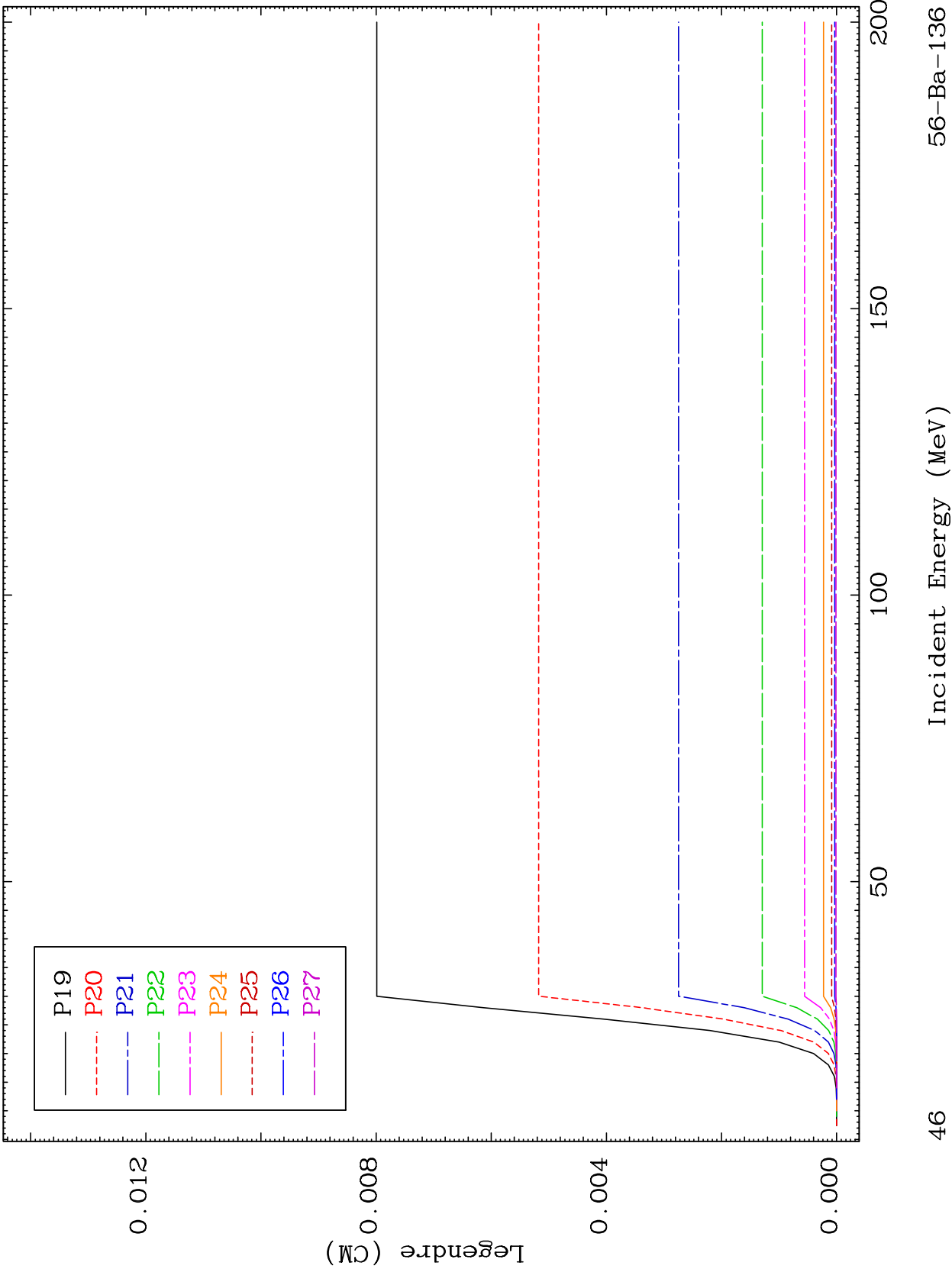
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



46

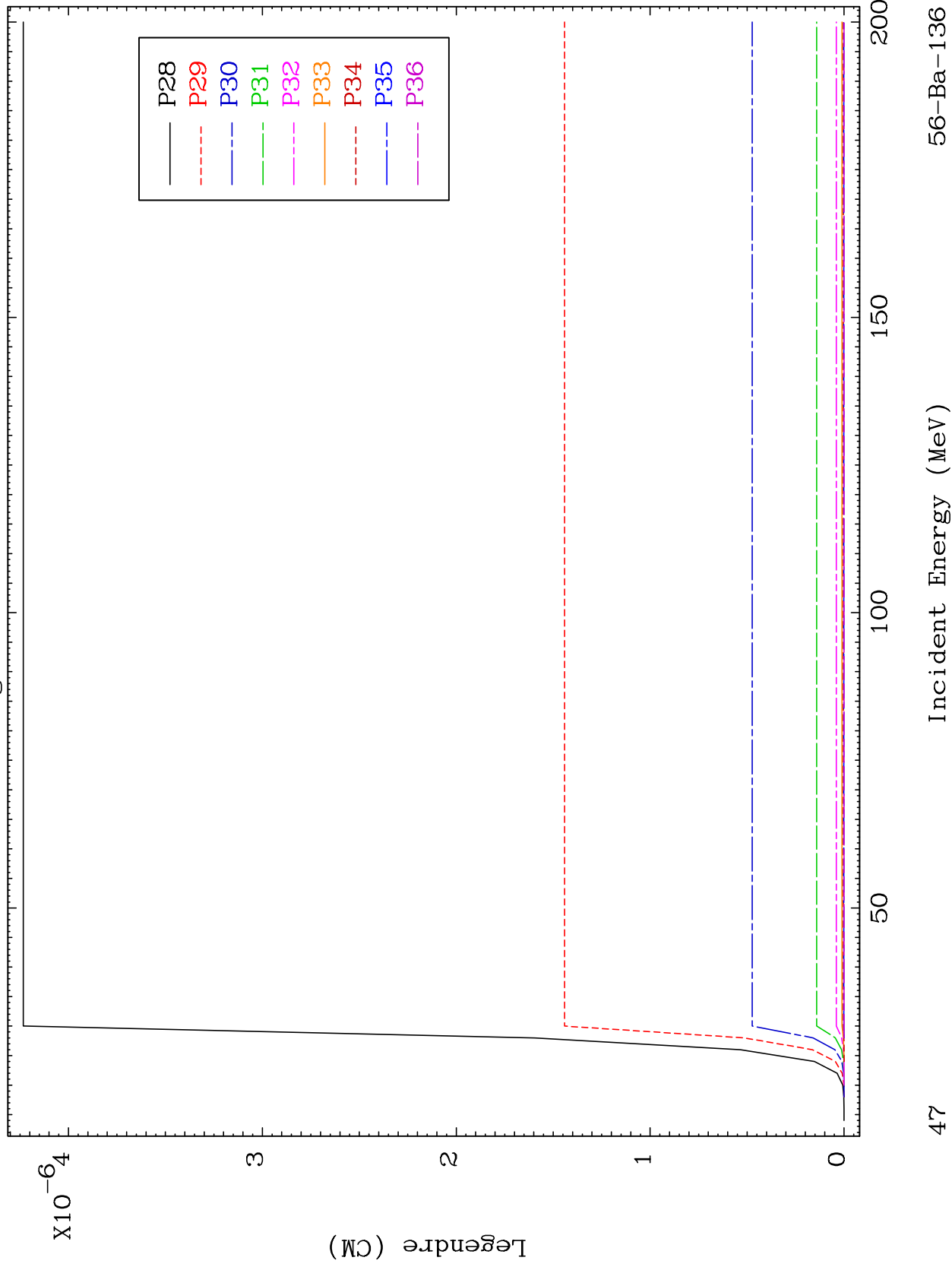
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



47

Incident Energy (MeV)

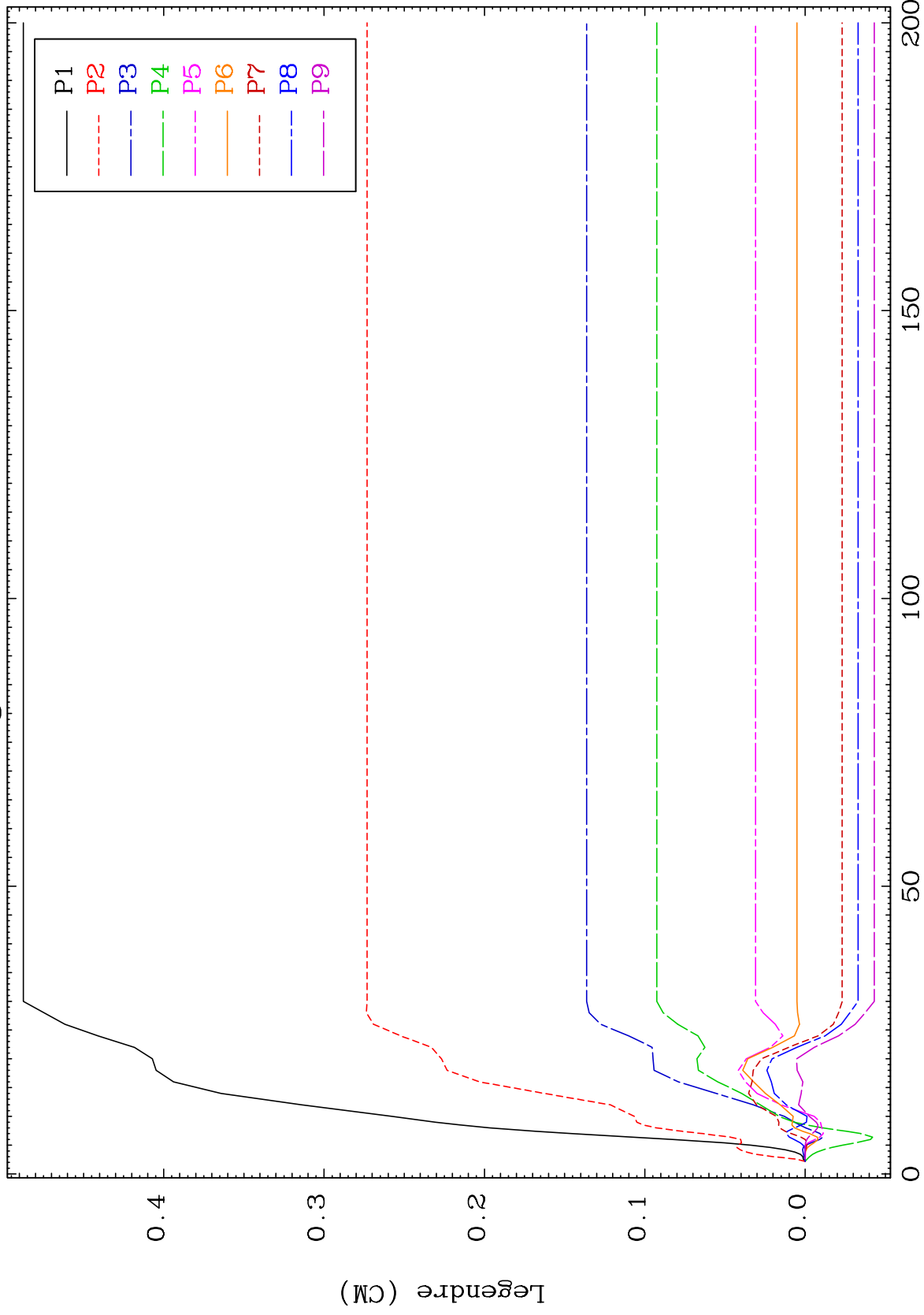
56-Ba-136



MAT 5643

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

56-Ba-136



56-Ba-136

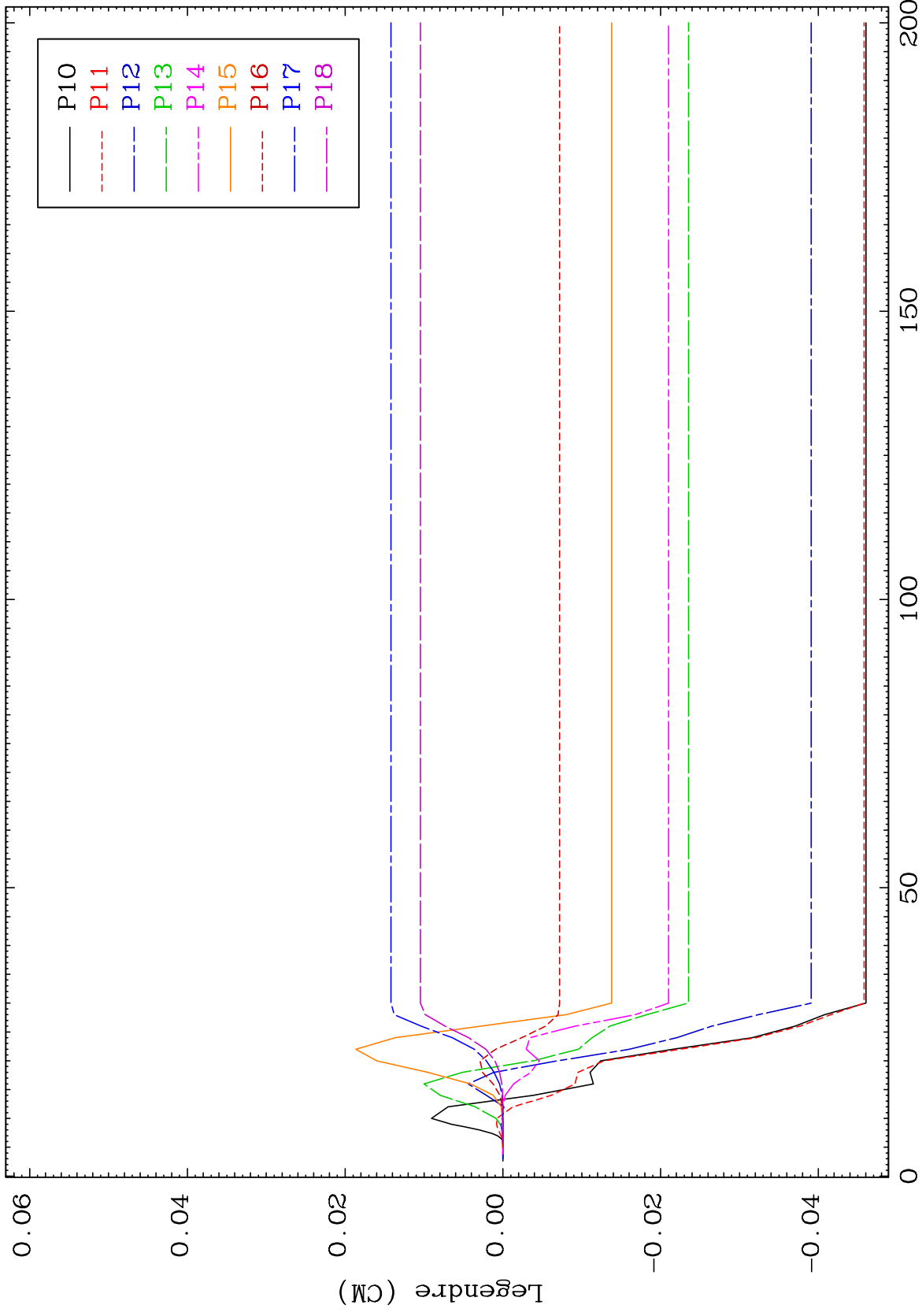
Incident Energy (MeV)

48

MAT 5643

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

56-Ba-136



49

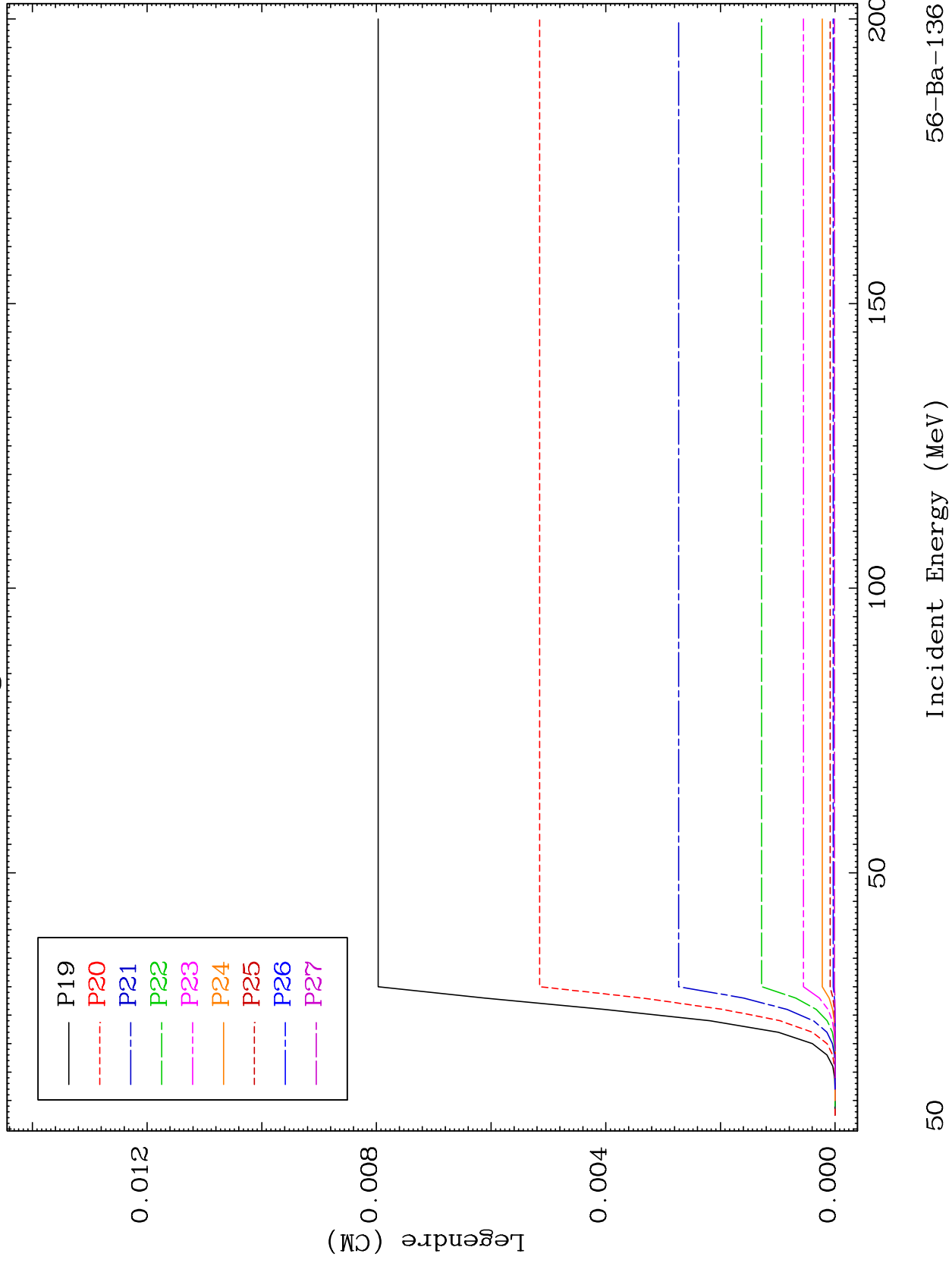
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



56-Ba-136

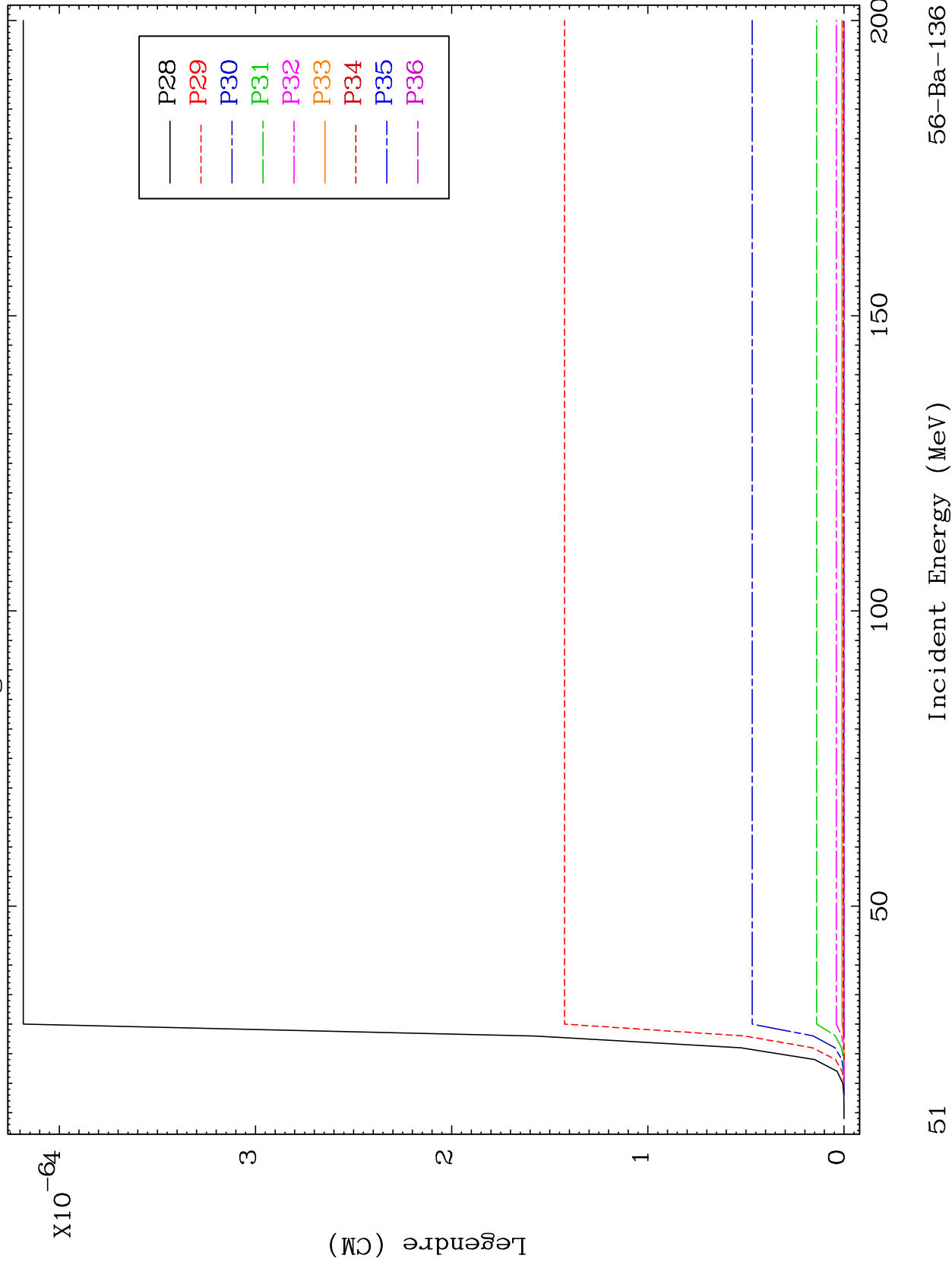
Incident Energy (MeV)

50

MAT 5643

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

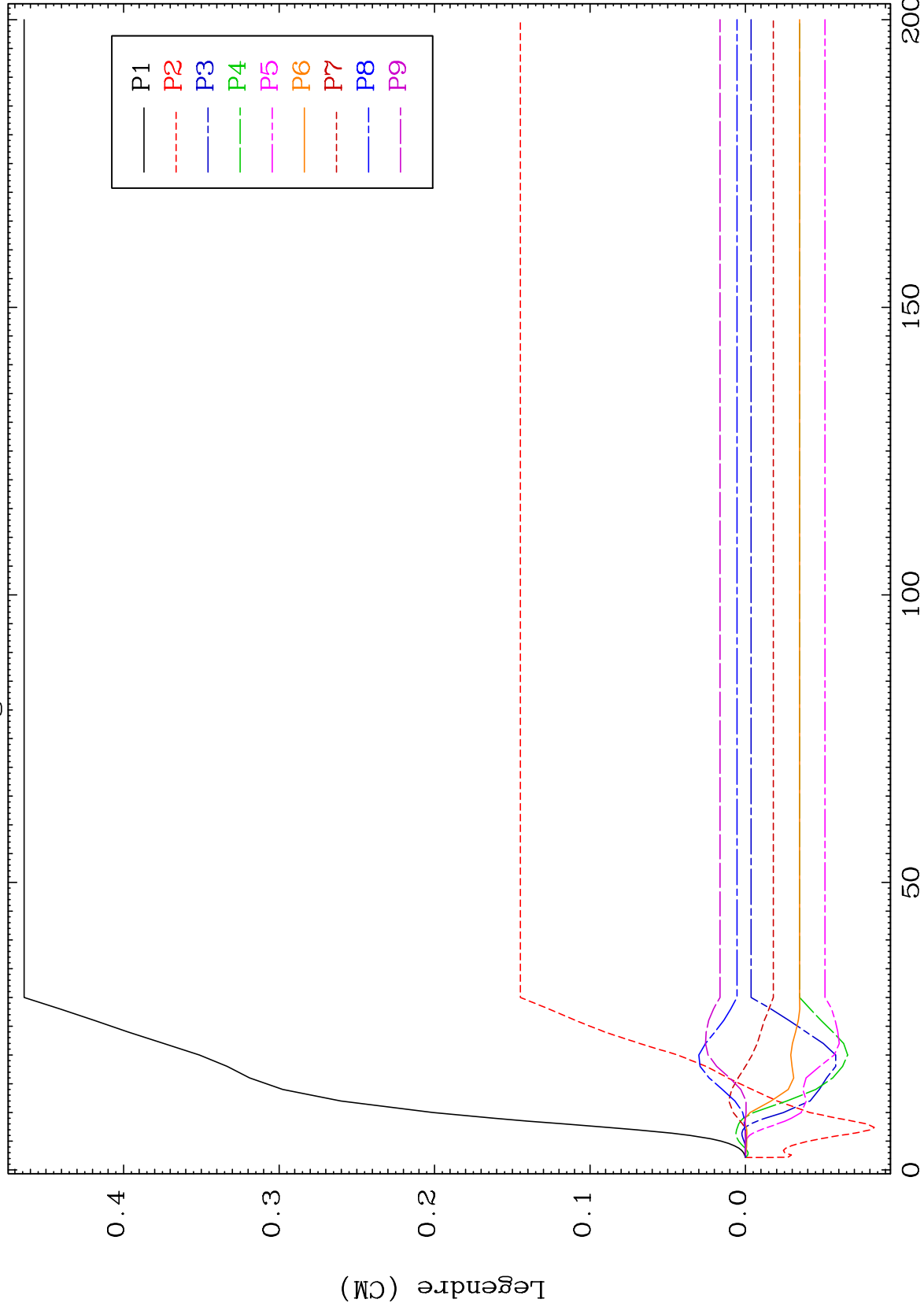
56-Ba-136



MAT 5643

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

56-Ba-136



56-Ba-136

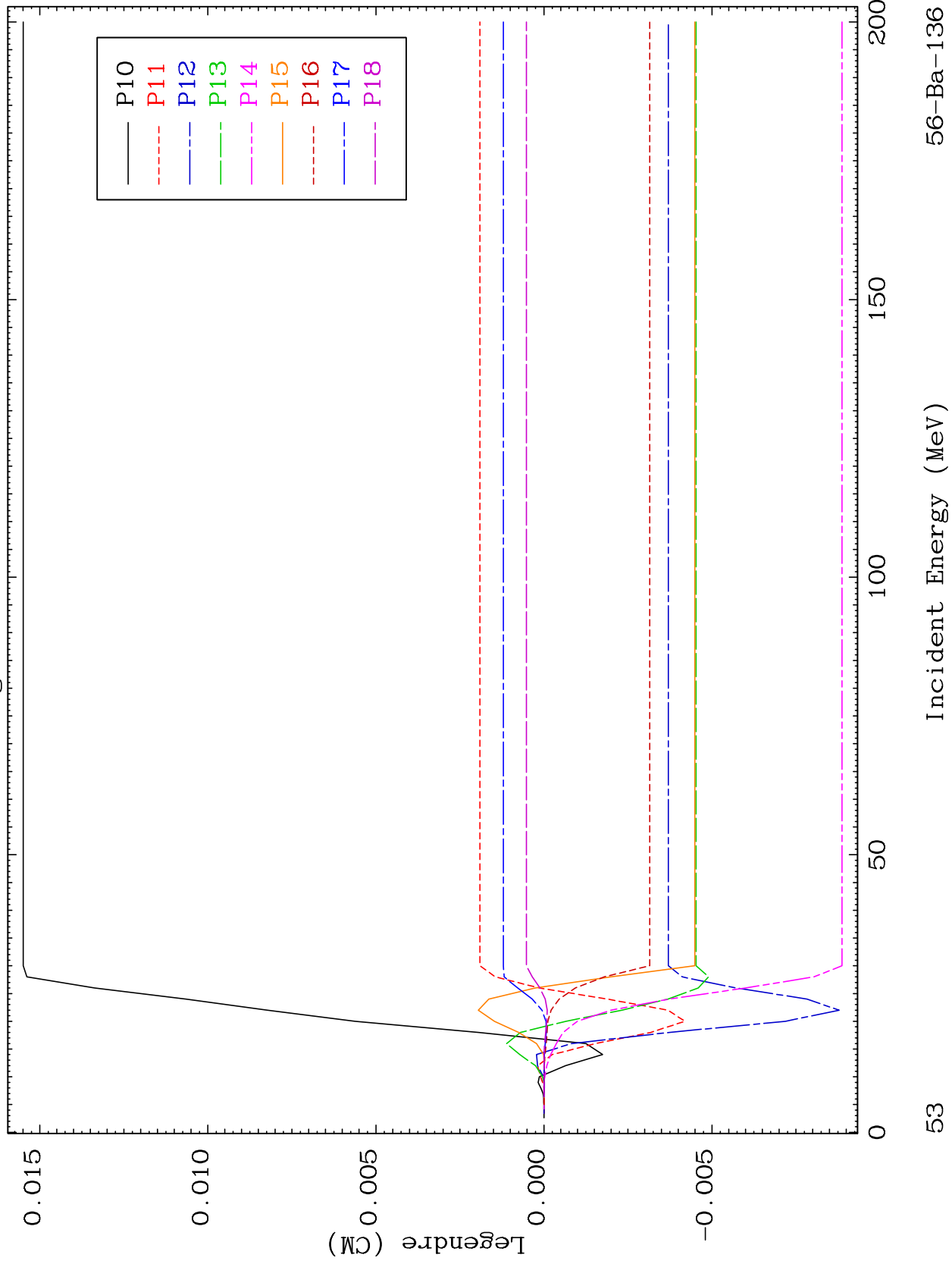
Incident Energy (MeV)

52

MAT 5643

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

56-Ba-136



56-Ba-136

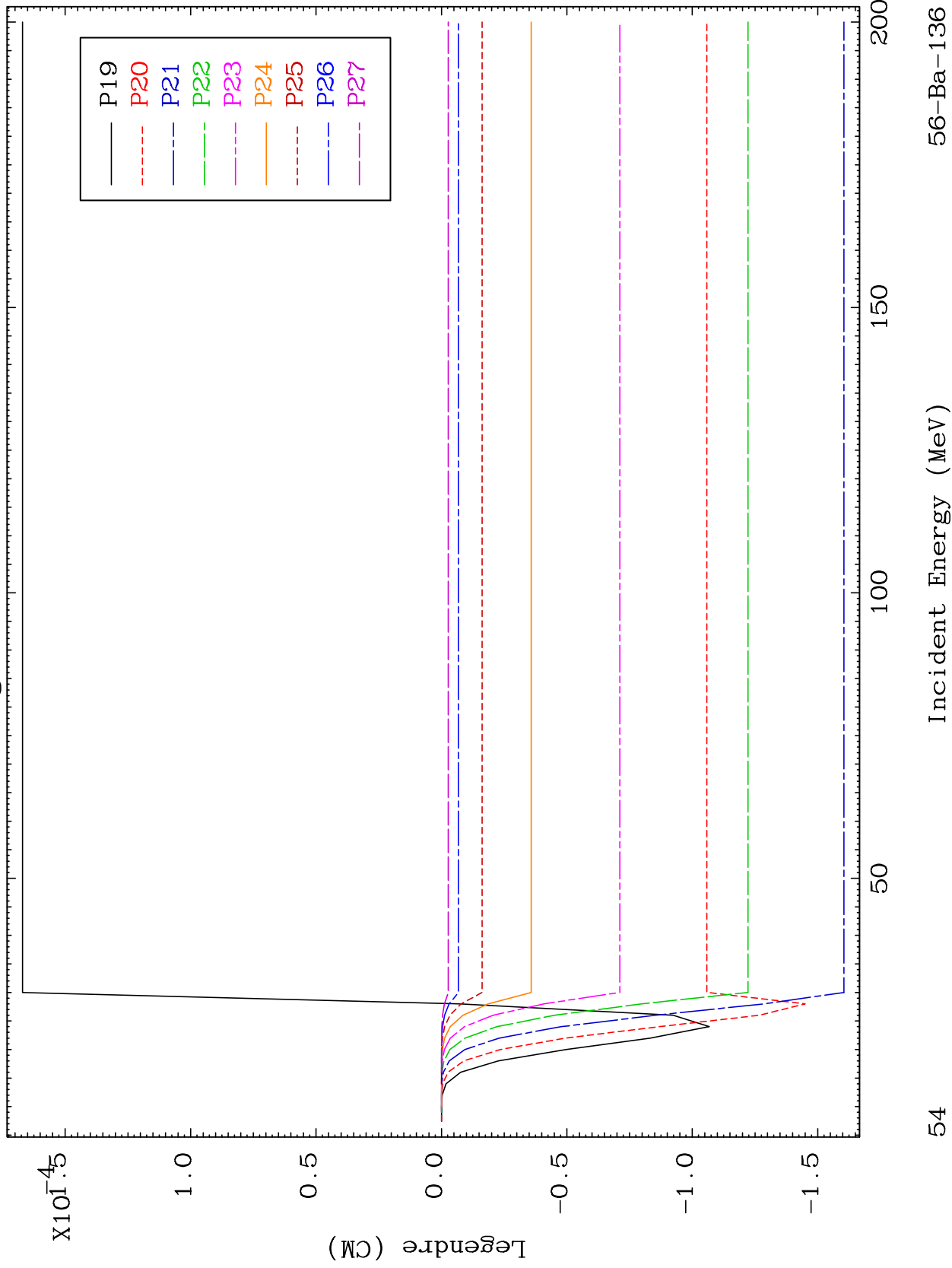
Incident Energy (MeV)

53

MAT 5643

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

56-Ba-136



54

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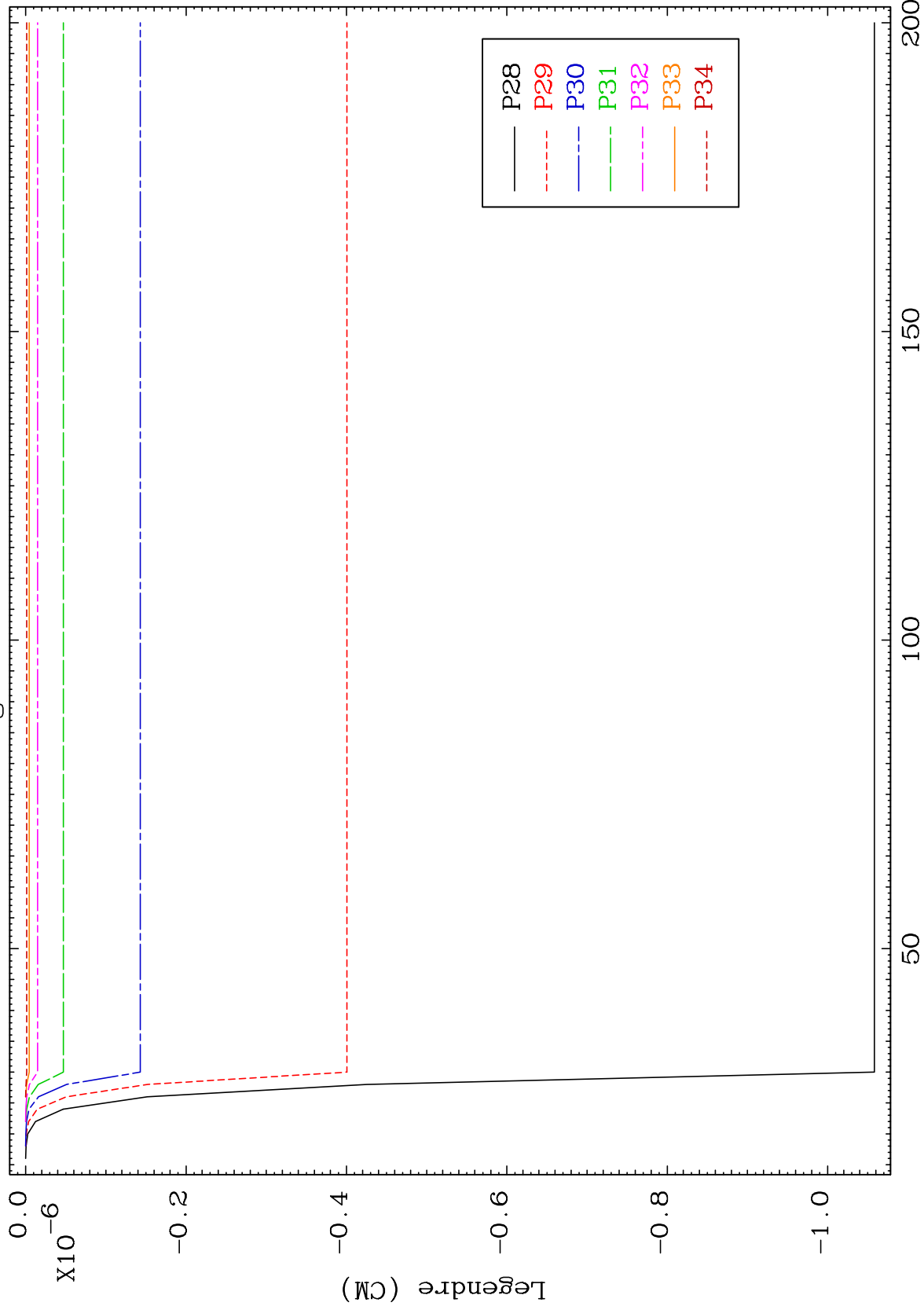
56-Ba-136

MAT 5643

MT= 59 (n,n') Level

56-Ba-136

Legendre Coefficients

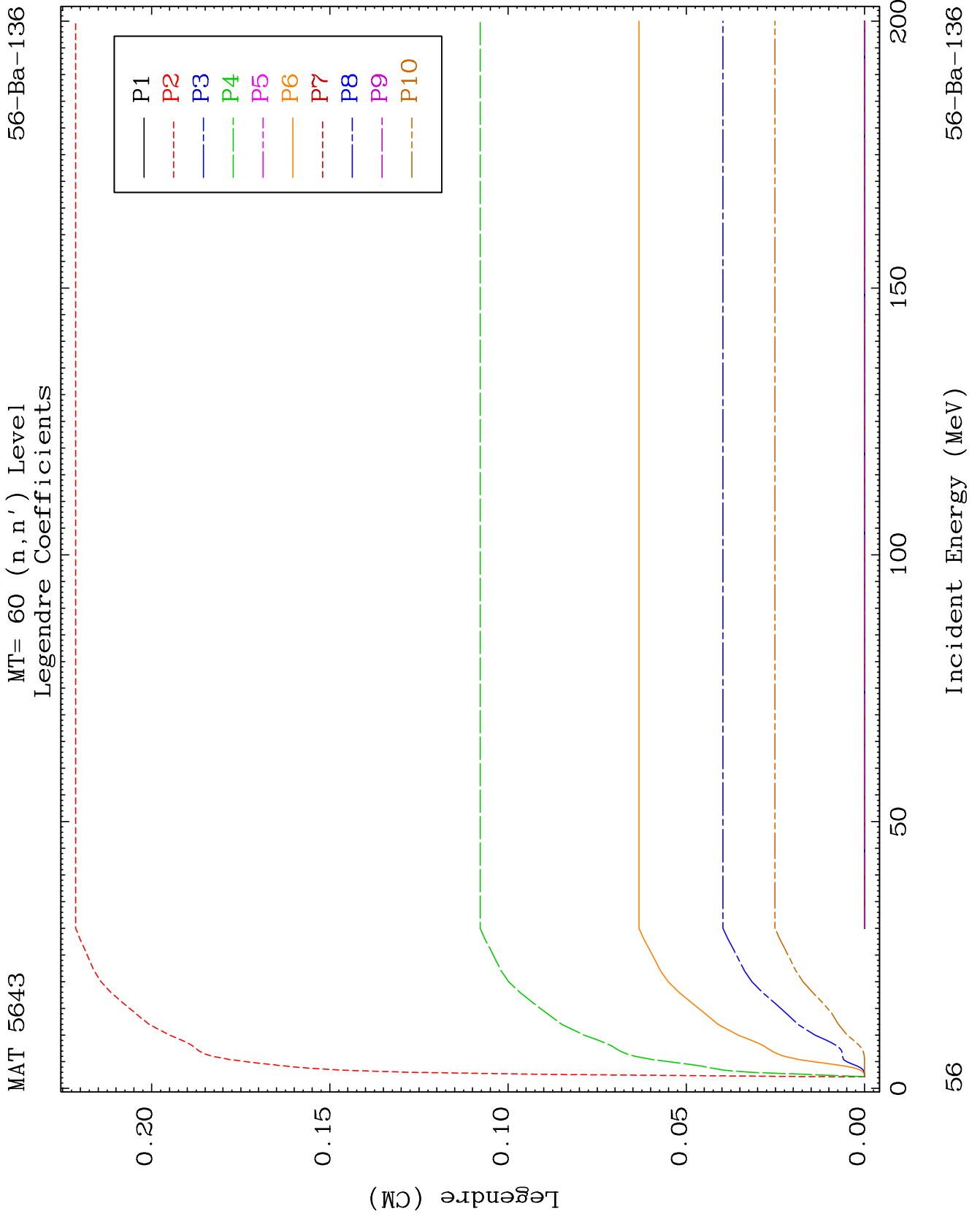


55

Incident Energy (MeV)

56-Ba-136

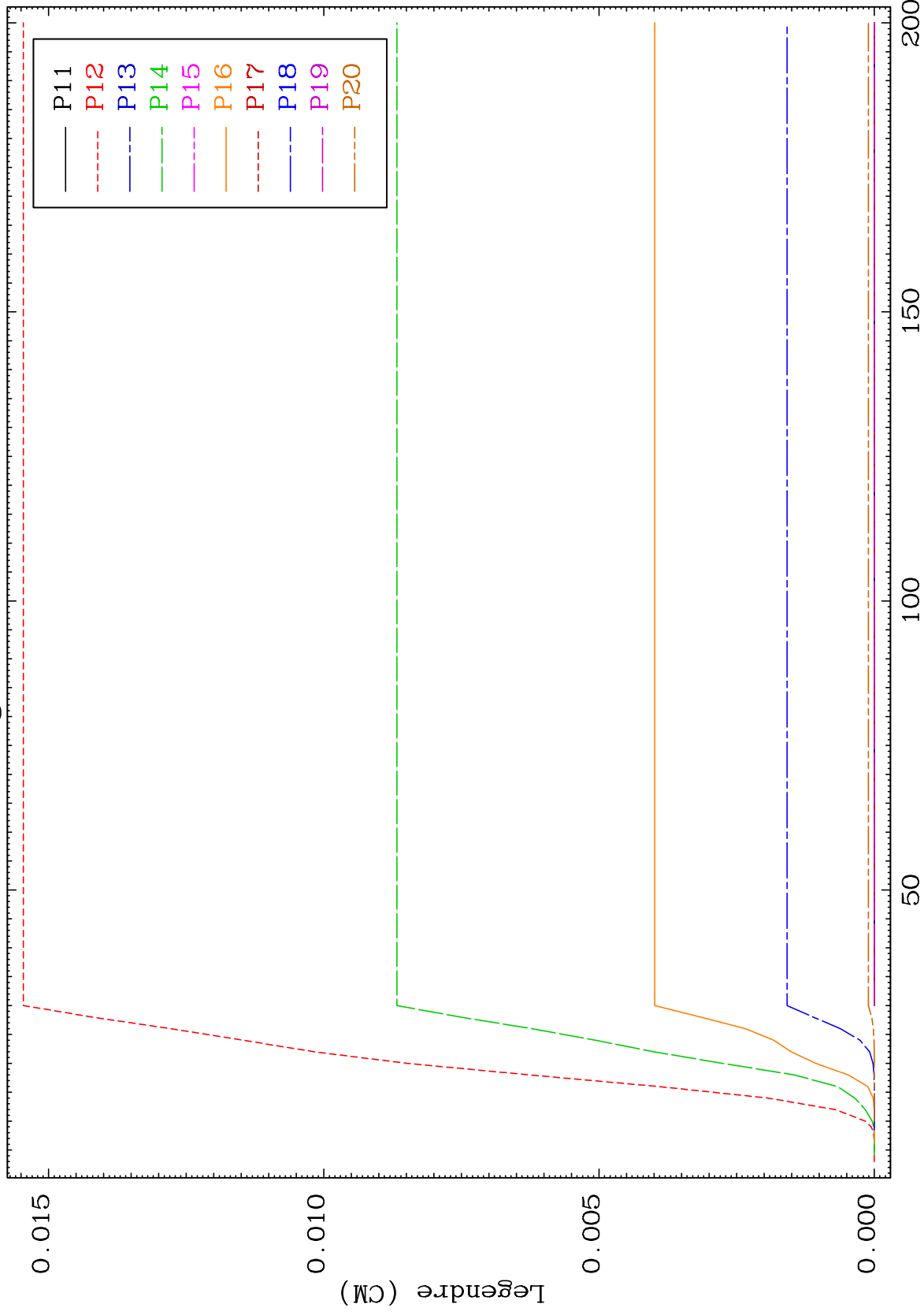




MAT 5643

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

56-Ba-136



57

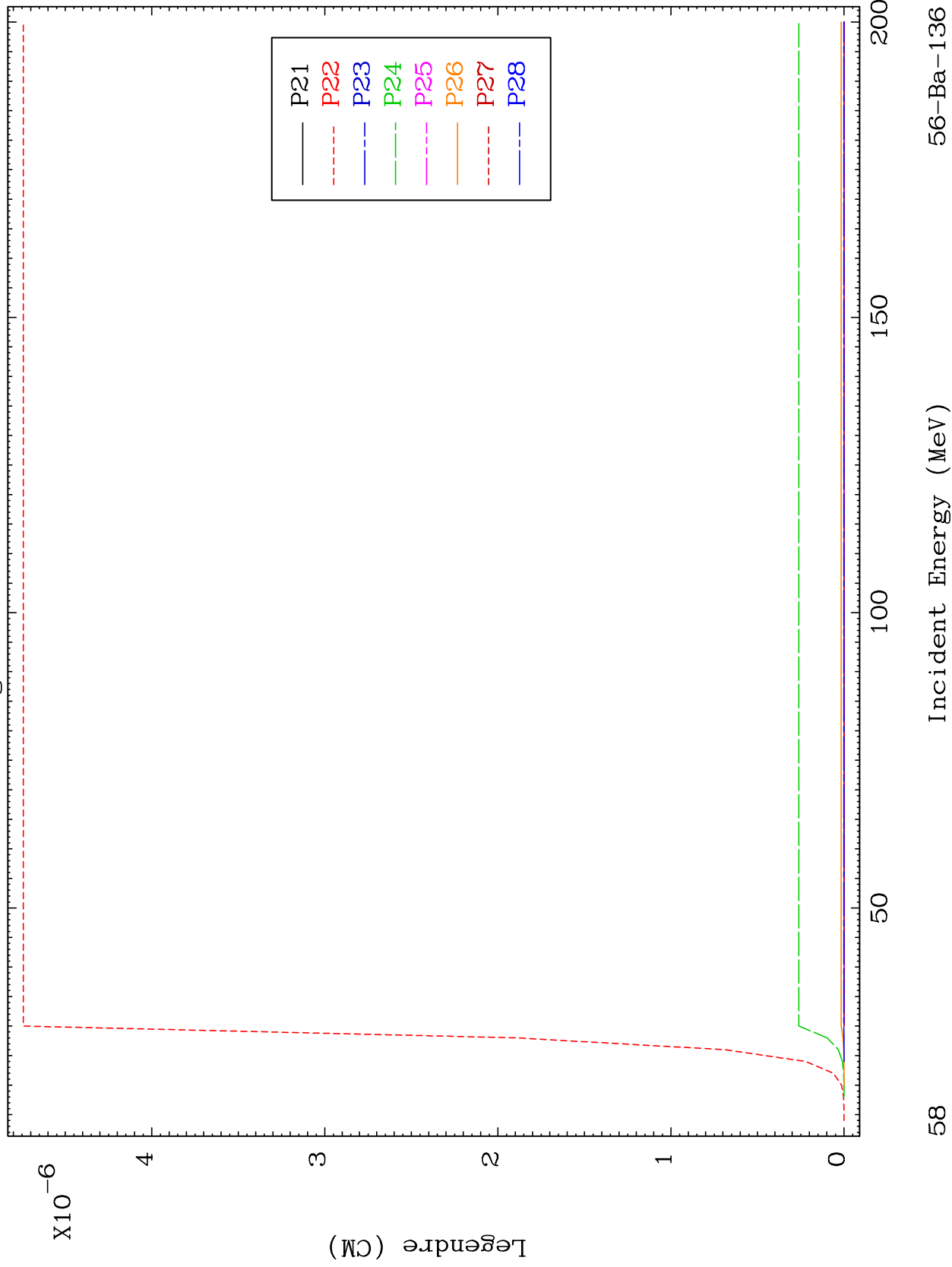
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136

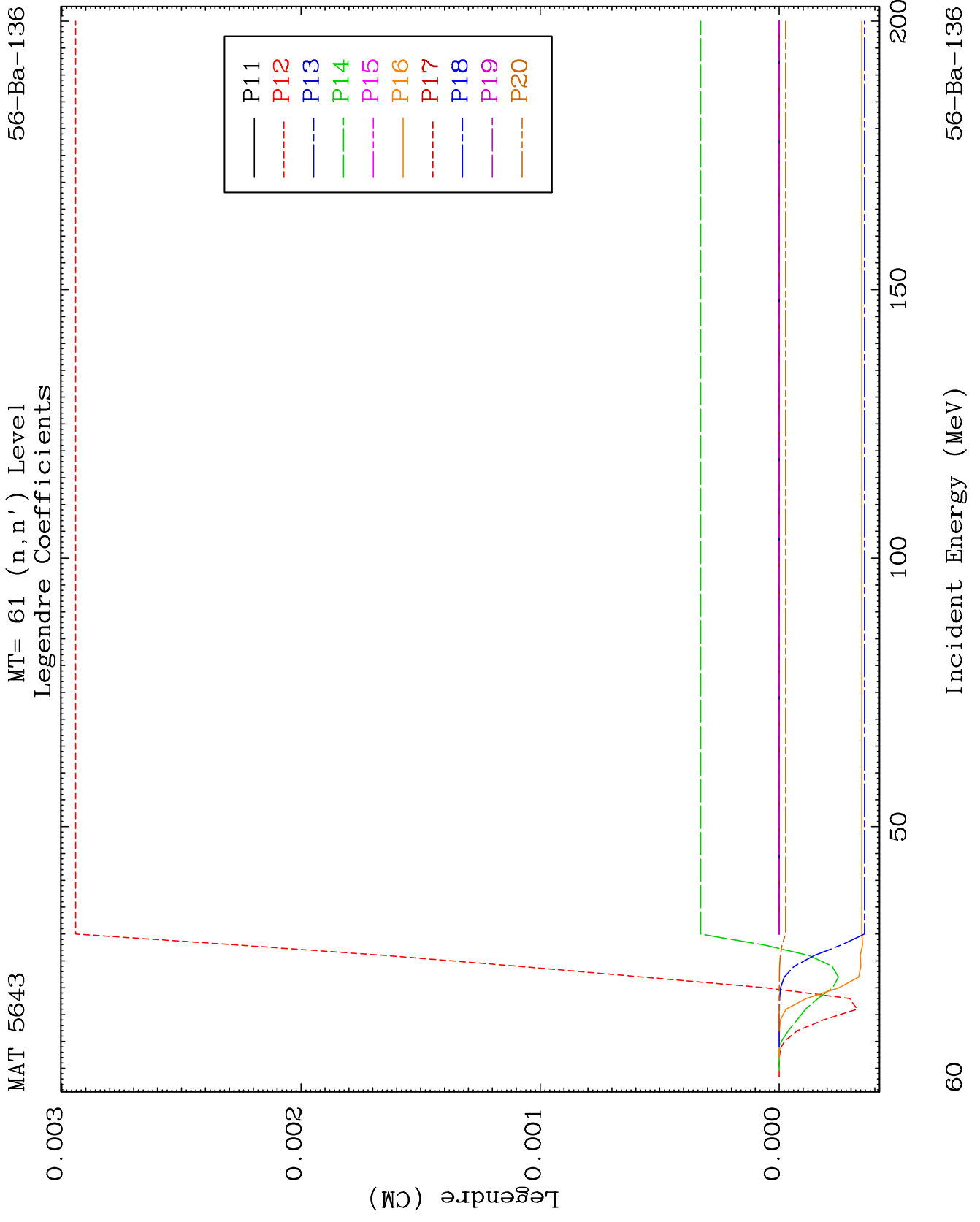


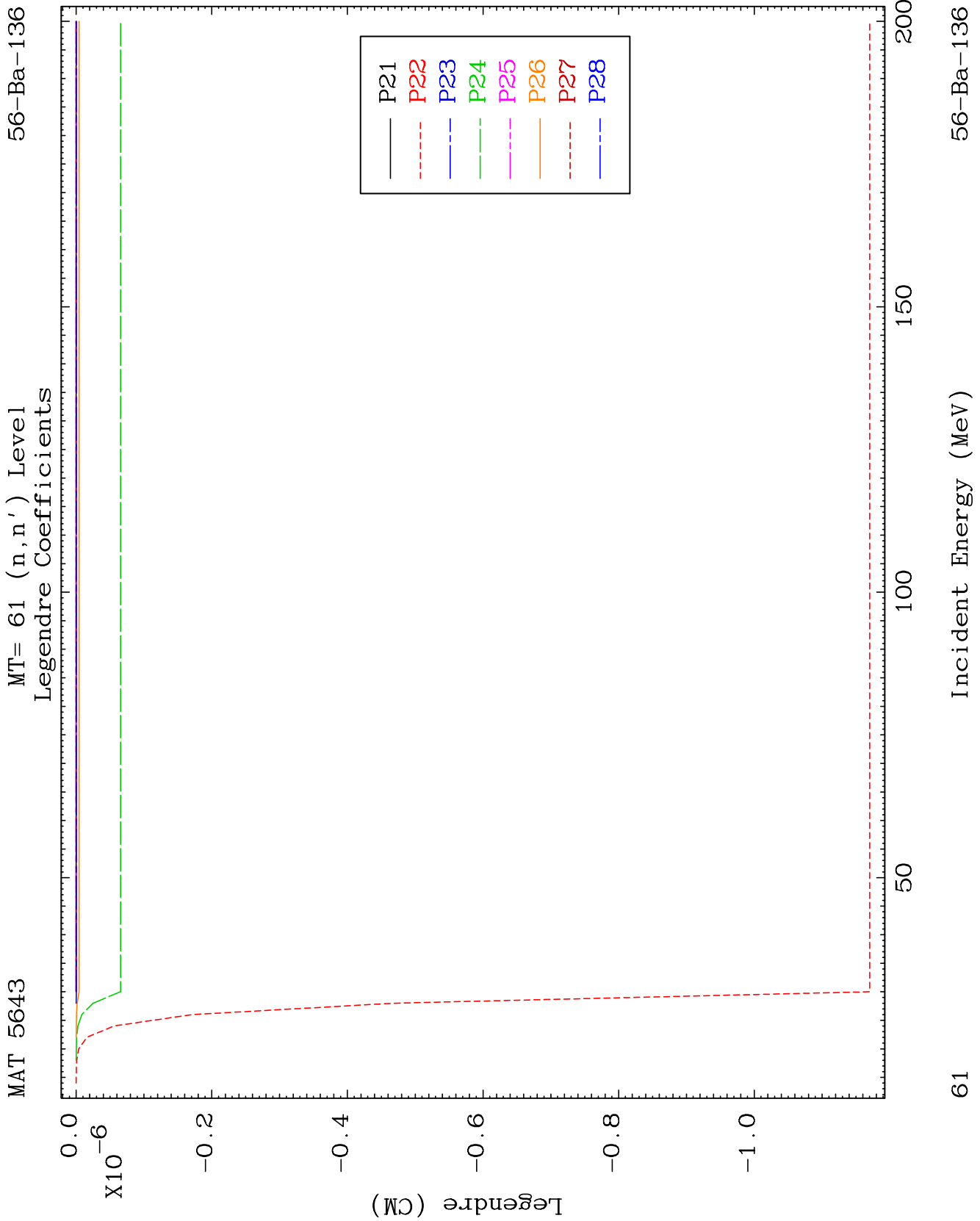
56-Ba-136

Incident Energy (MeV)

58



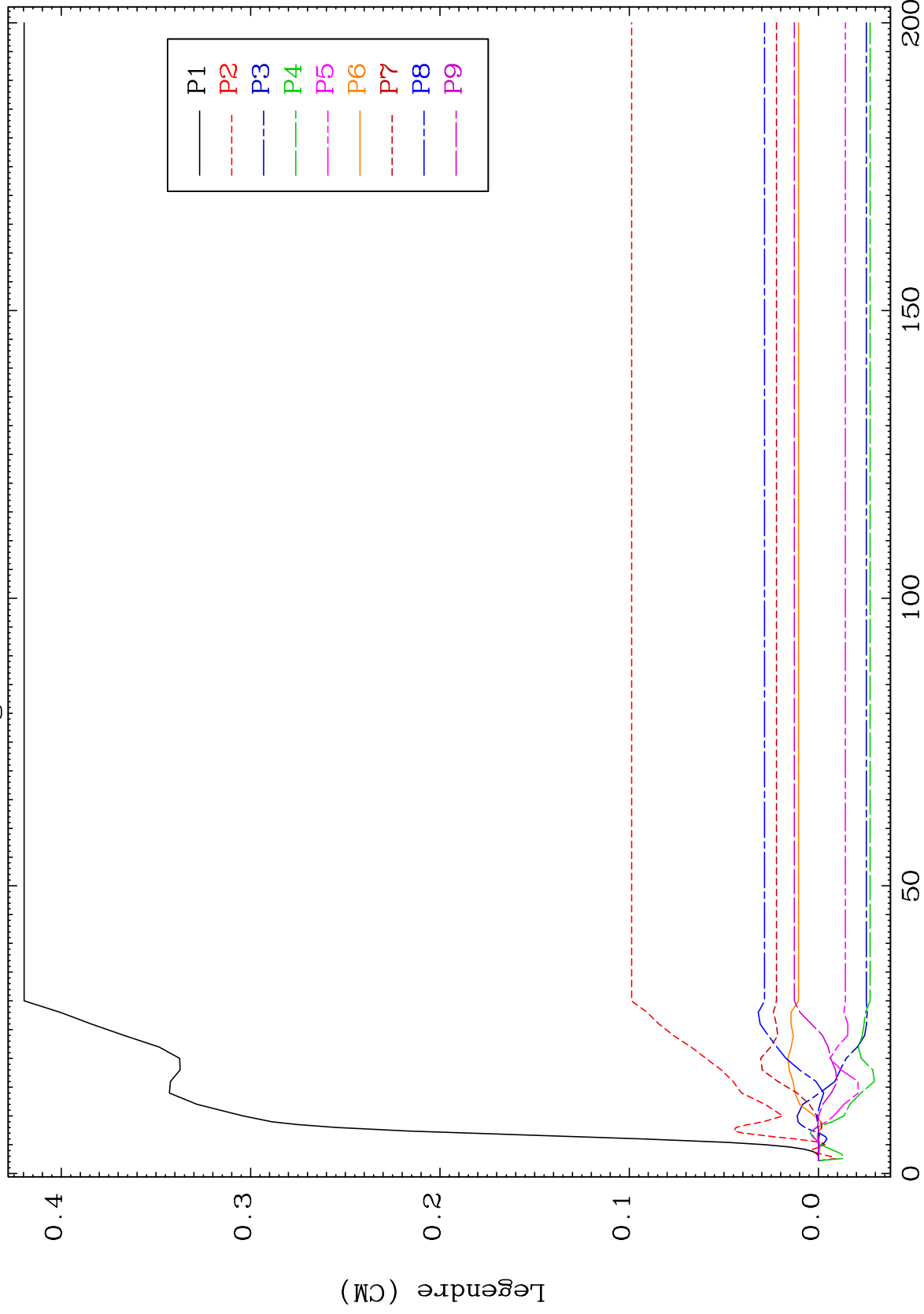




MAT 5643

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

56-Ba-136



62

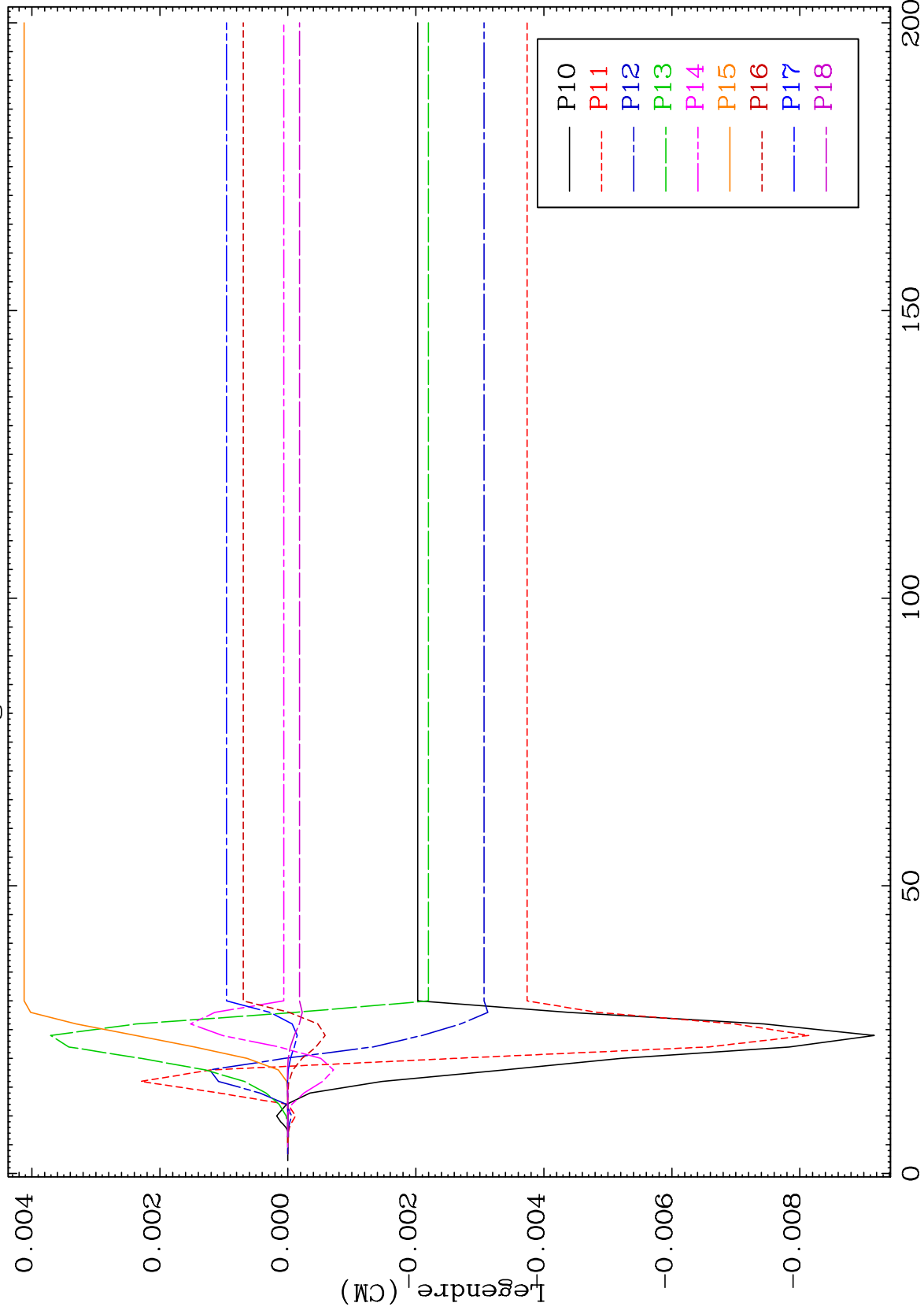
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



63

Incident Energy (MeV)

56-Ba-136

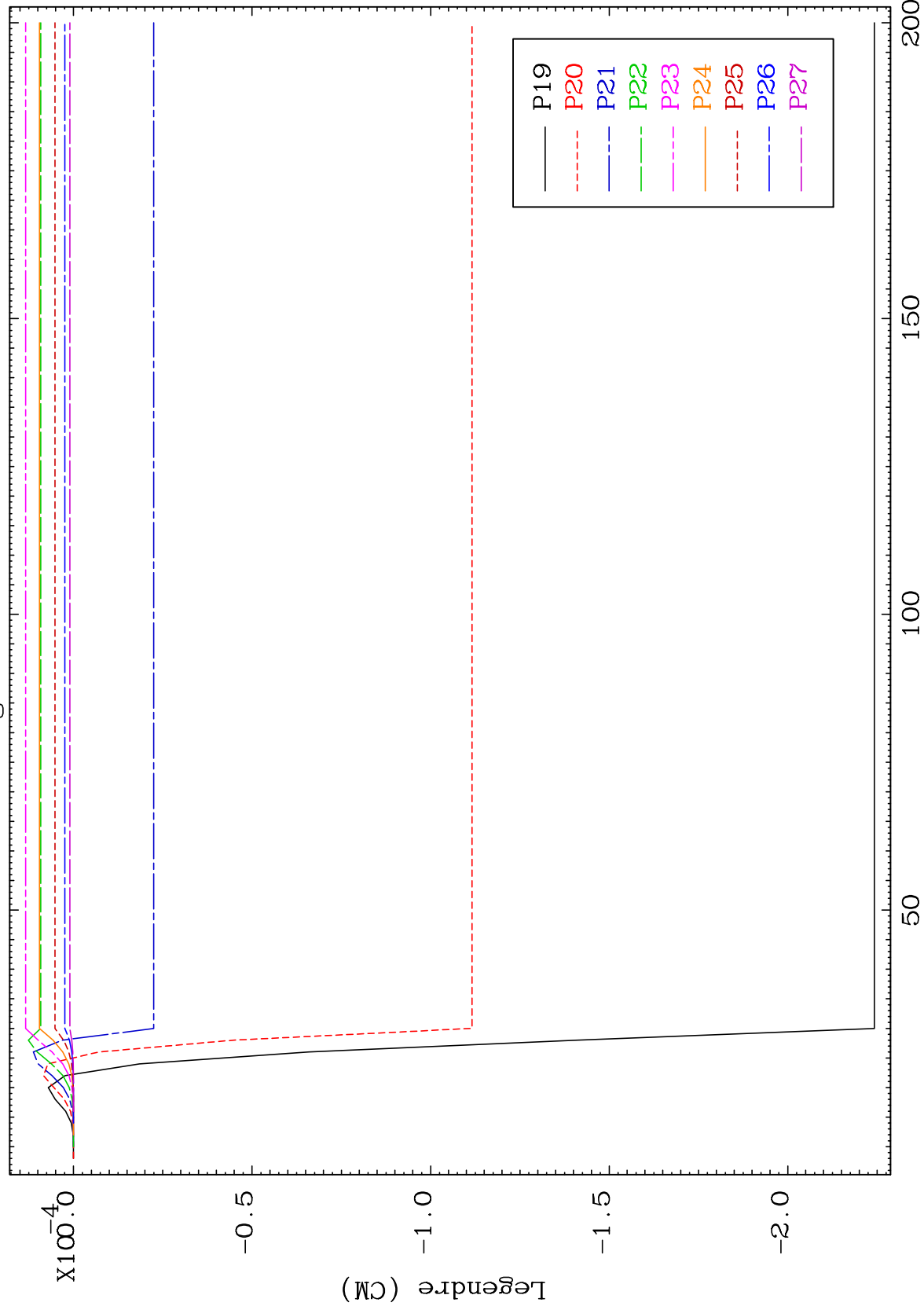


MAT 5643

MT= 62 (n,n') Level

56-Ba-136

Legendre Coefficients



64

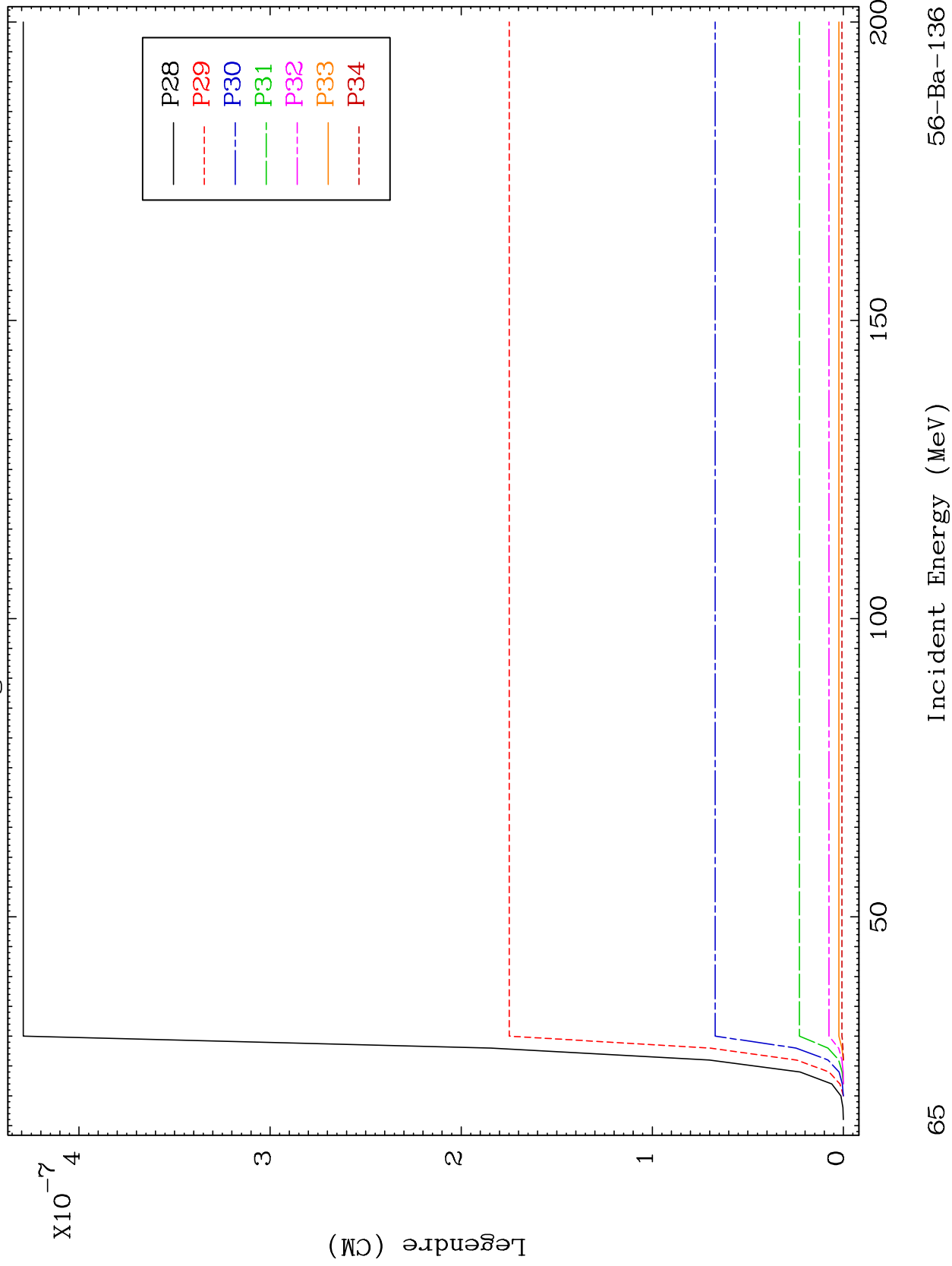
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

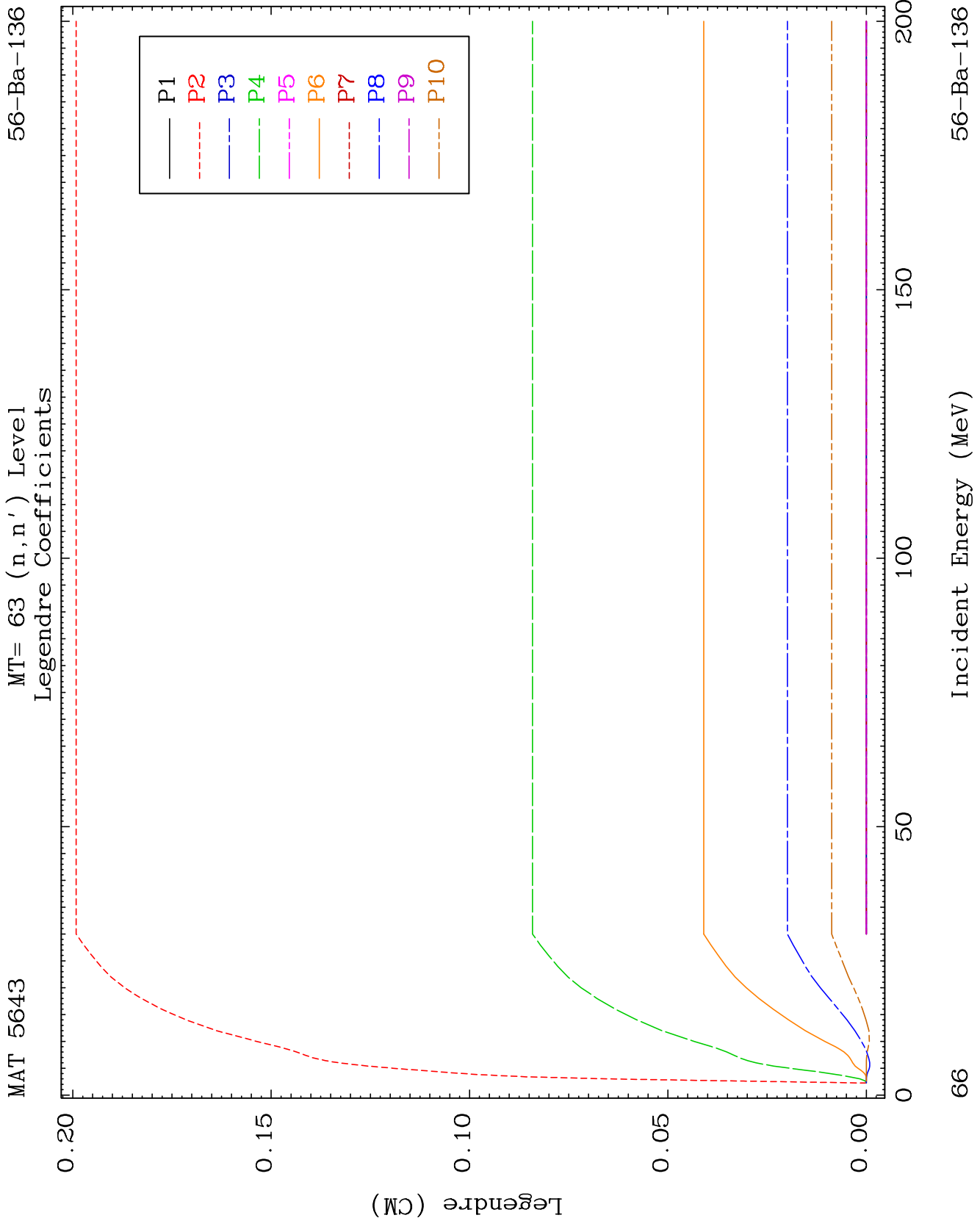
56-Ba-136



65

Incident Energy (MeV)

56-Ba-136



56-Ba-136

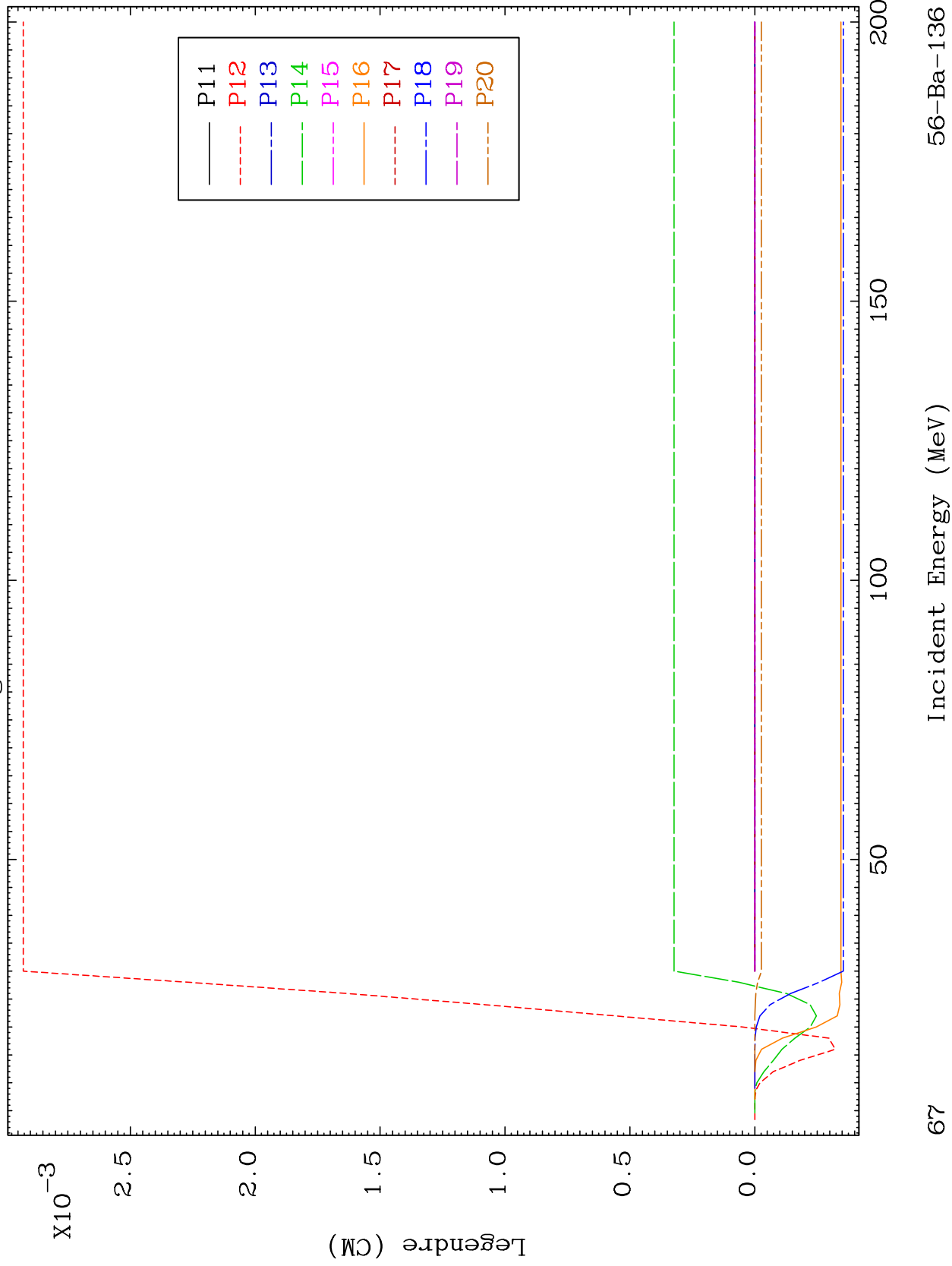
Incident Energy (MeV)

66

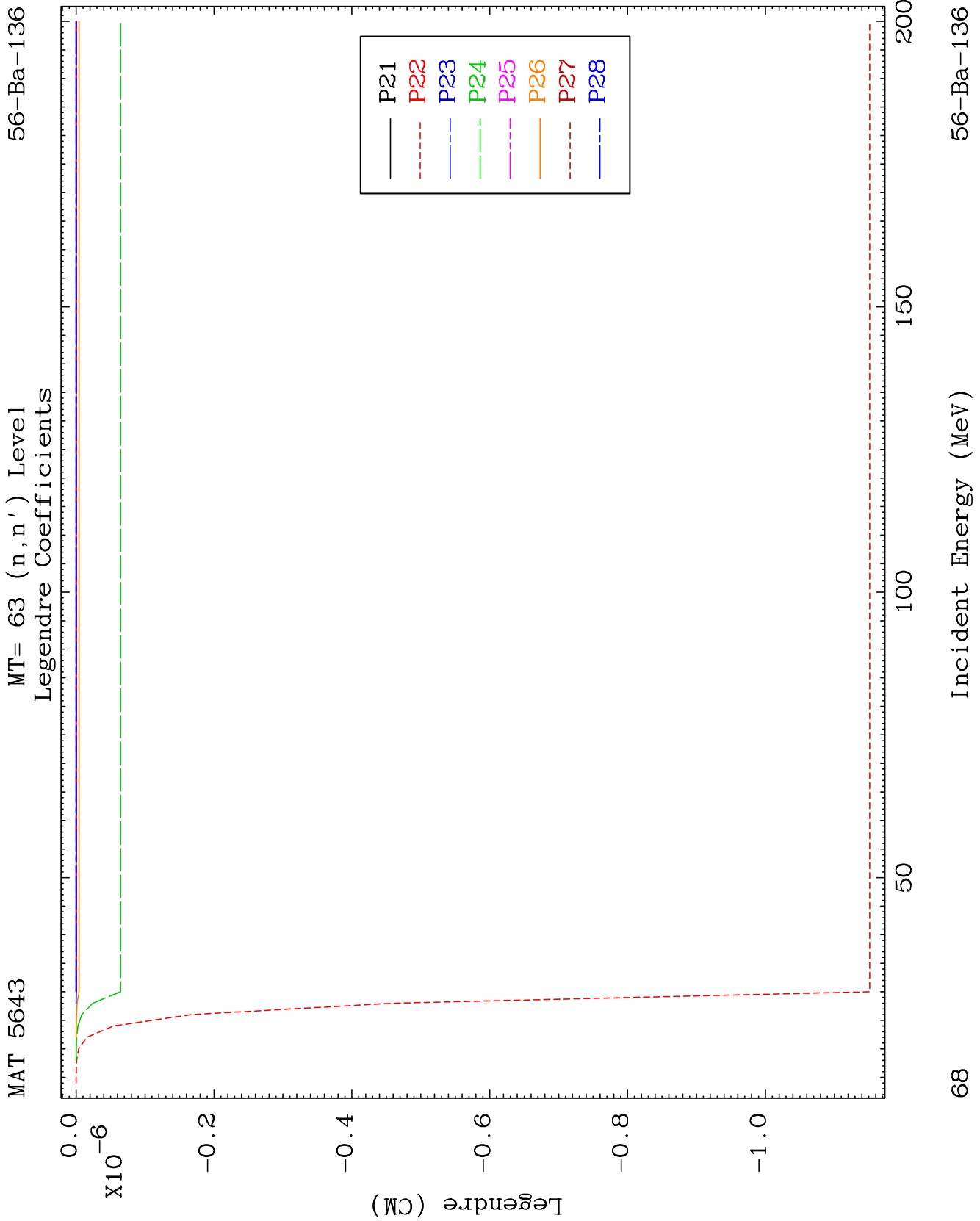
MAT 5643

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

56-Ba-136



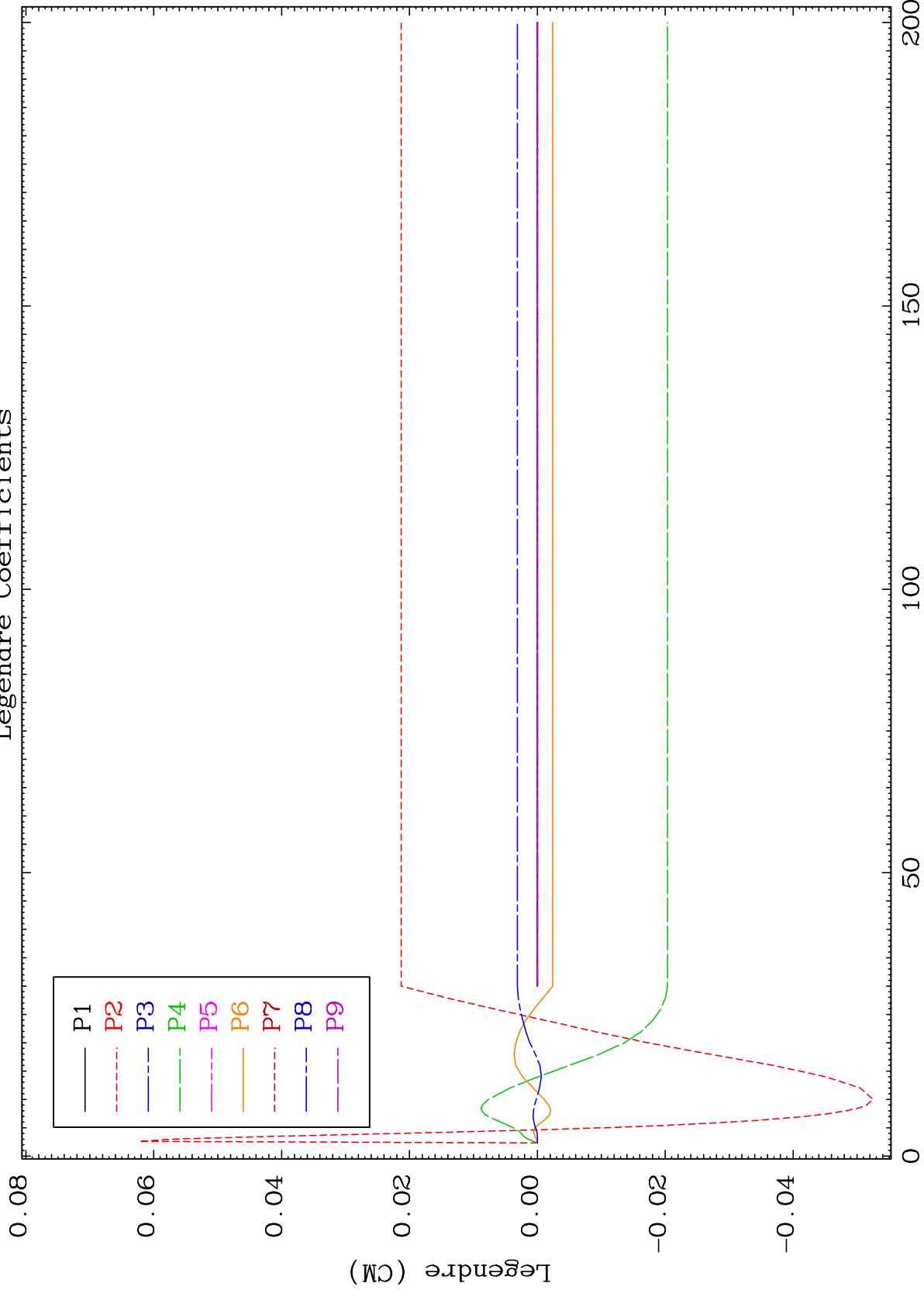
67



MAT 5643

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

56-Ba-136



69

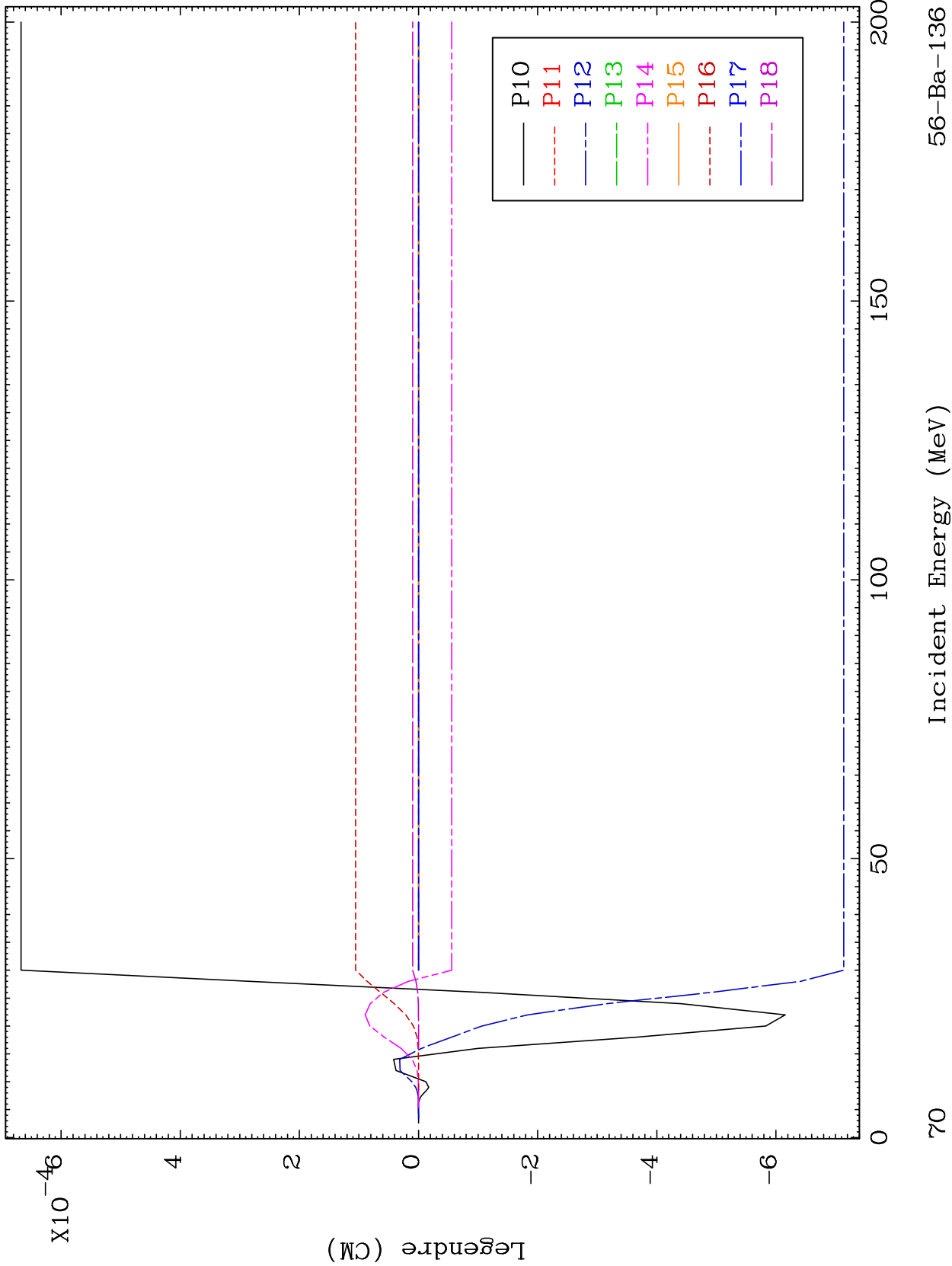
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



56-Ba-136

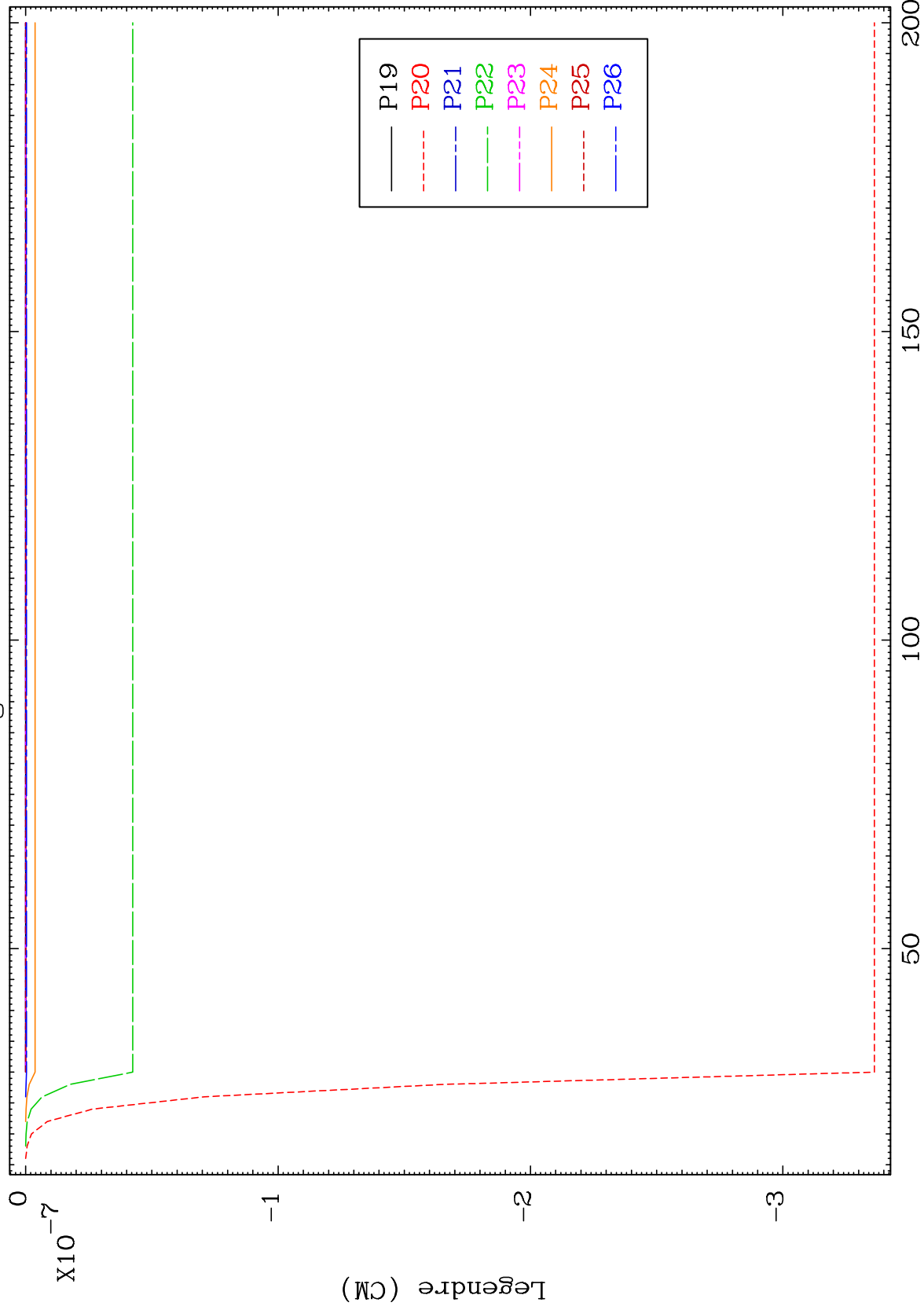
Incident Energy (MeV)

70

MAT 5643

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

56-Ba-136



56-Ba-136

Incident Energy (MeV)

71



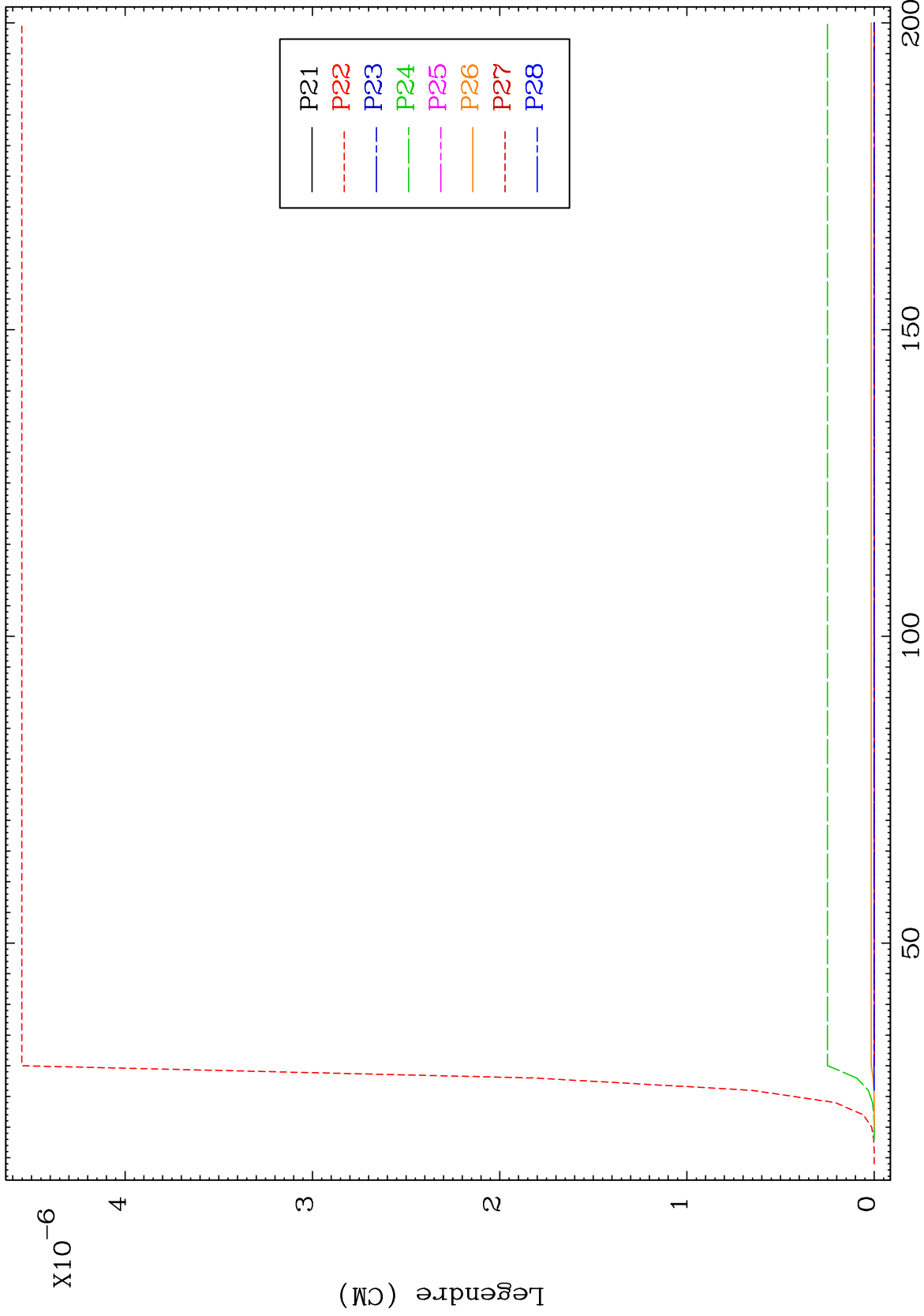




MAT 5643

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

56-Ba-136



74

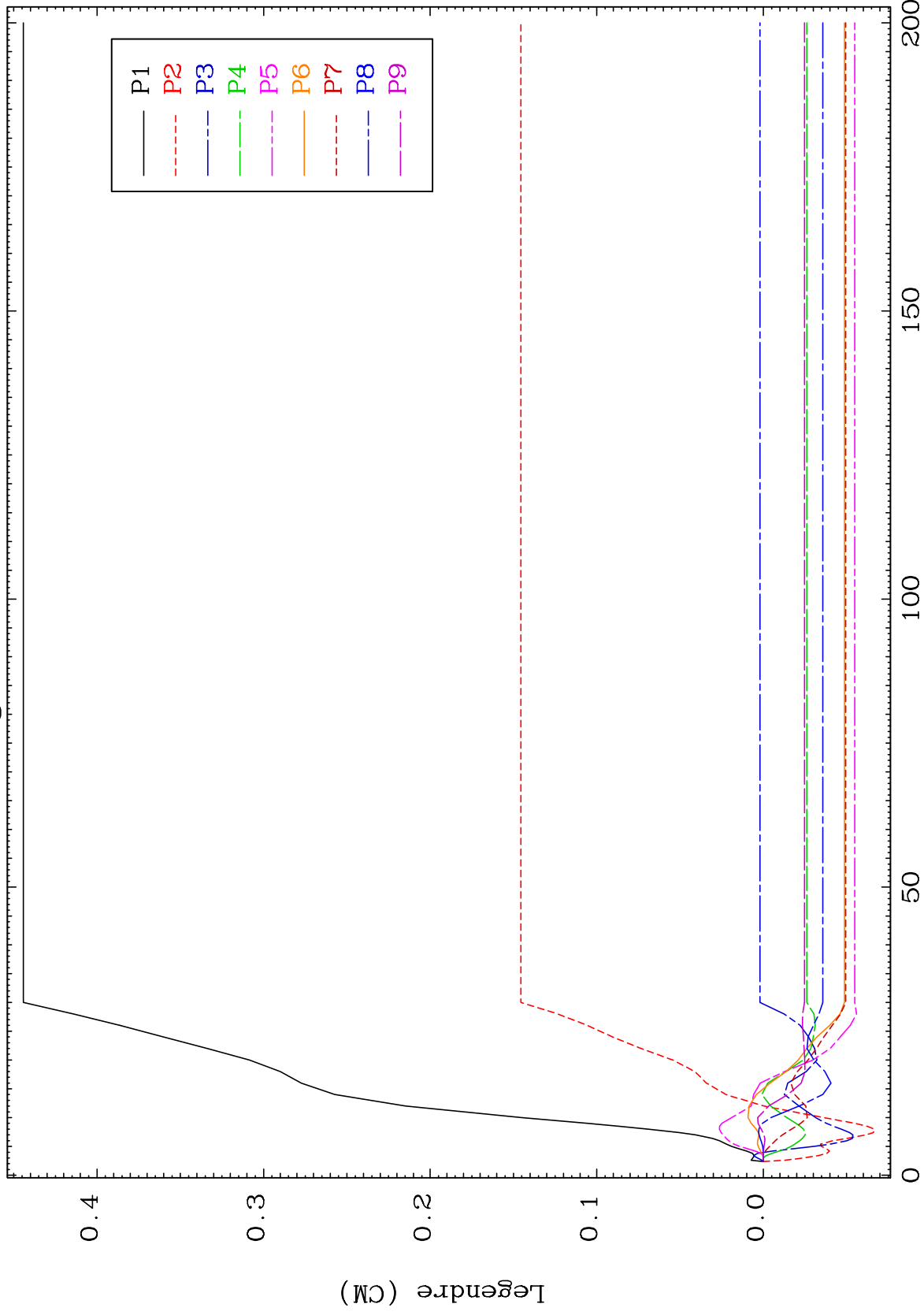
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



75

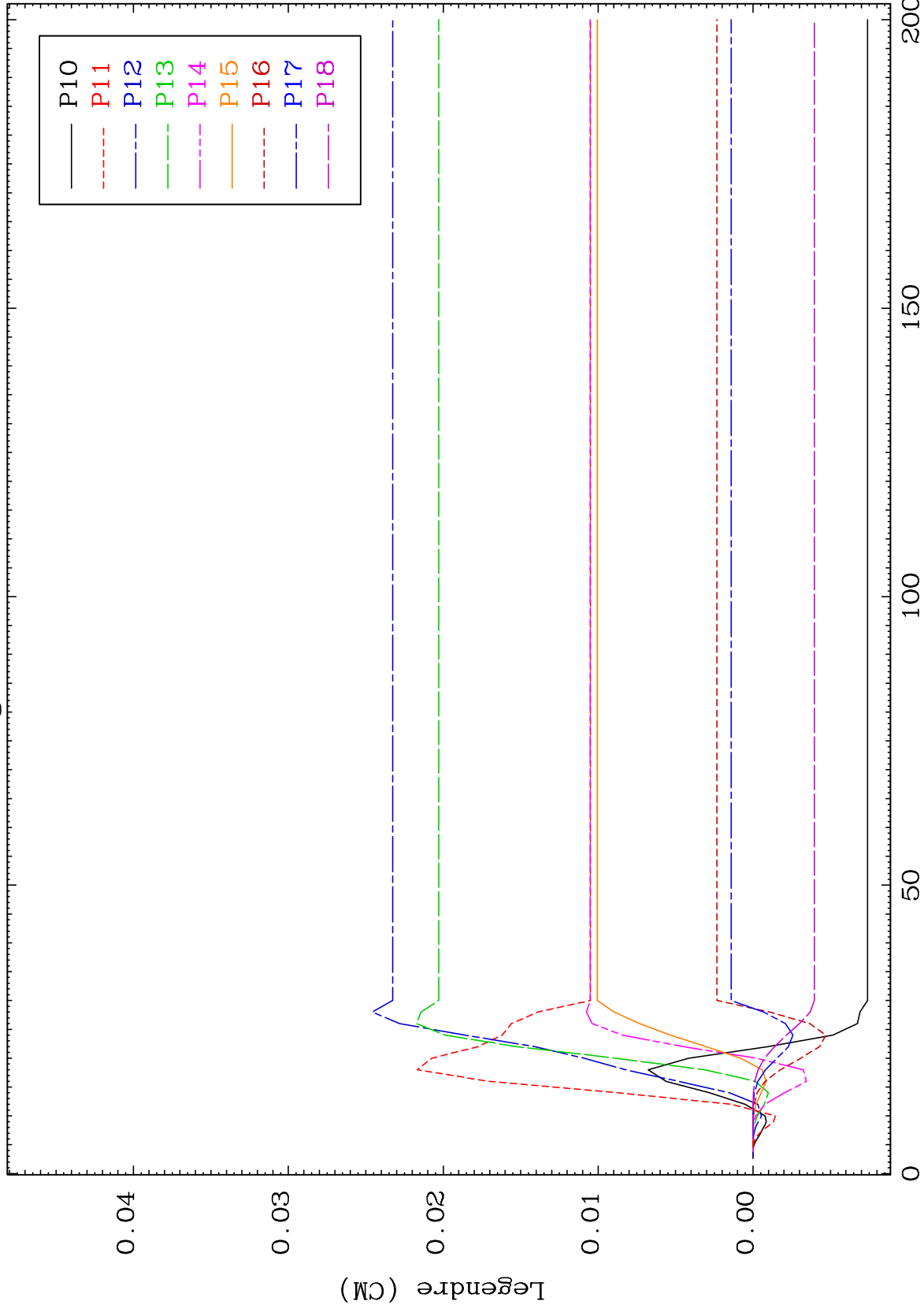
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



76

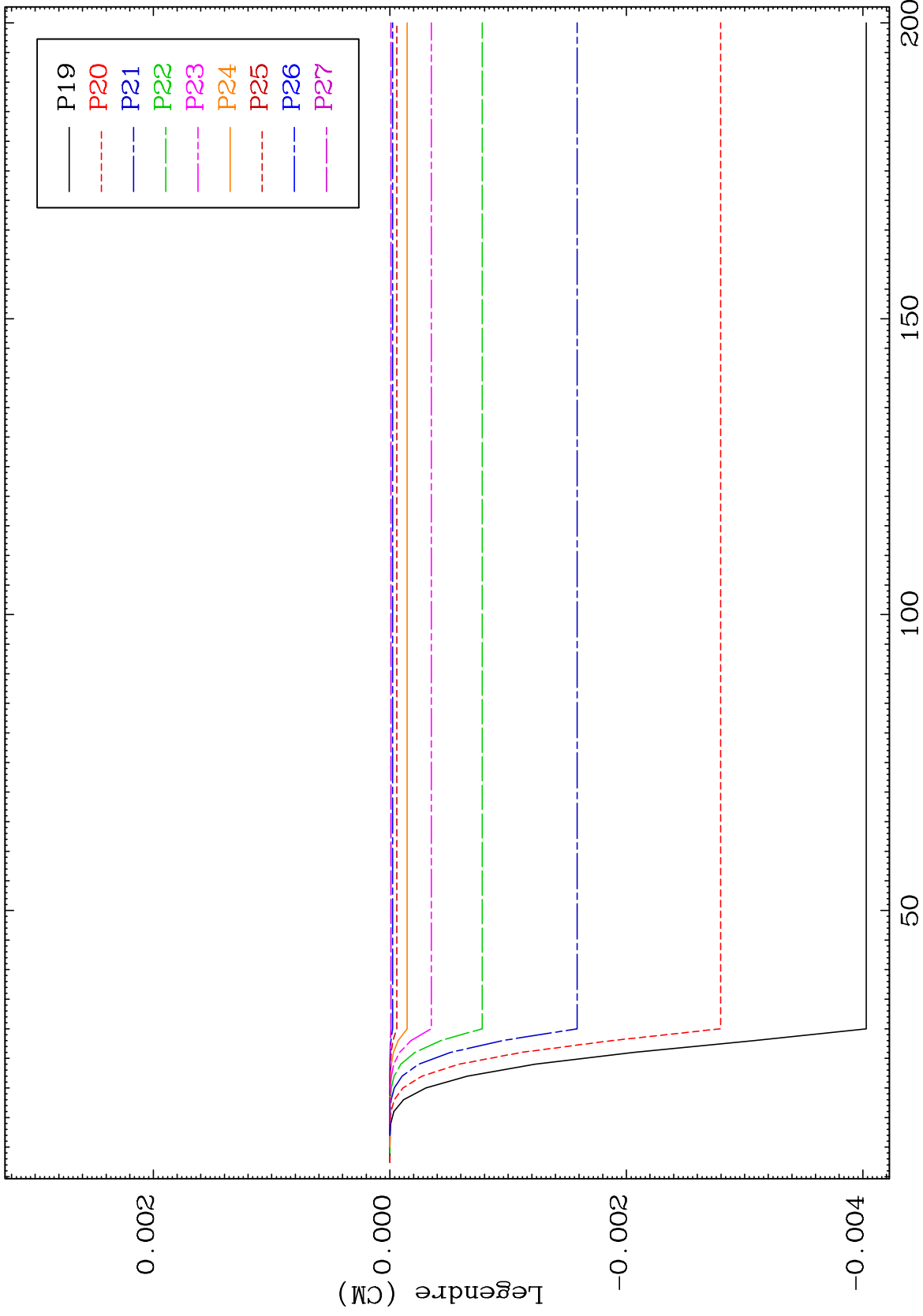
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

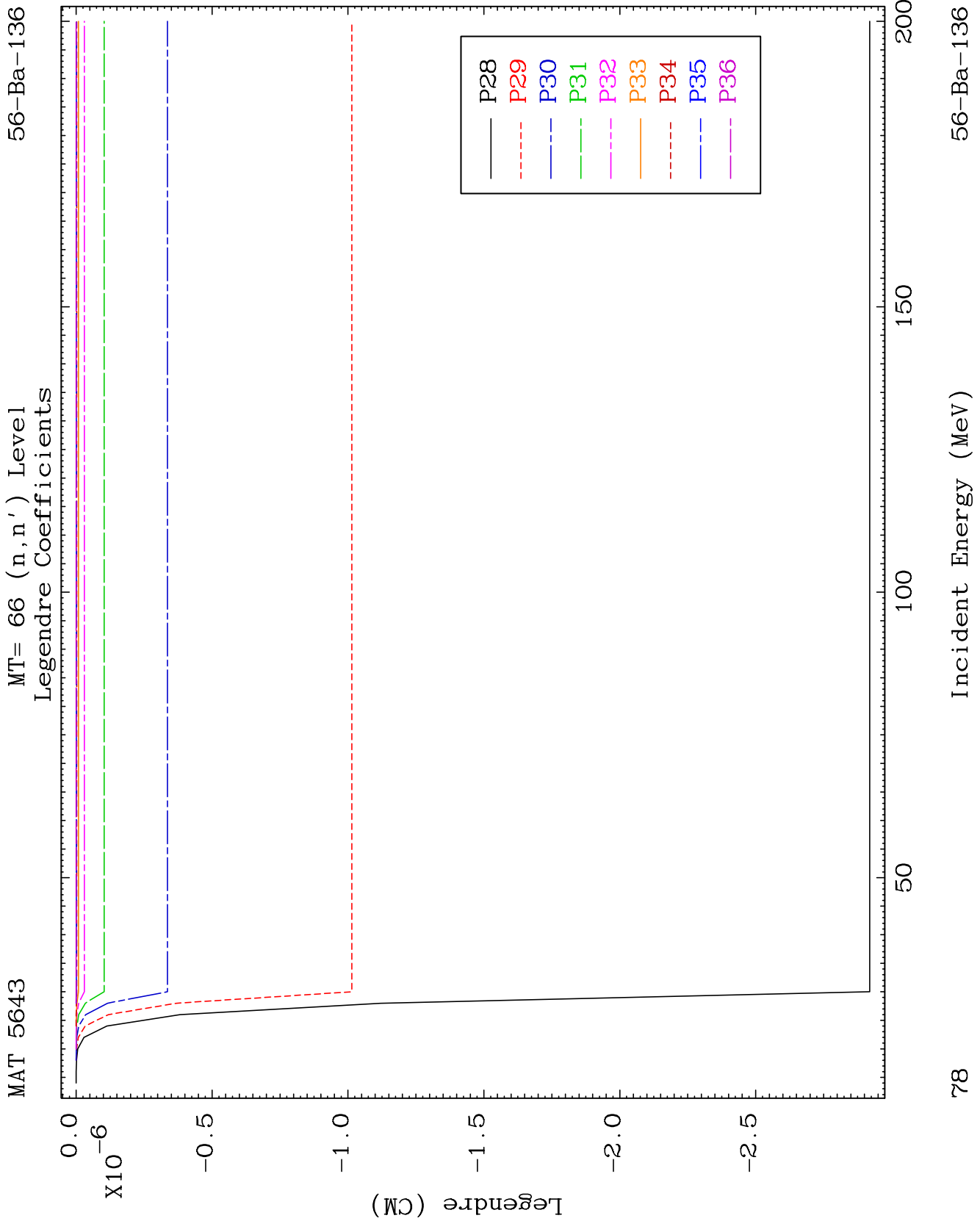
56-Ba-136



77

Incident Energy (MeV)

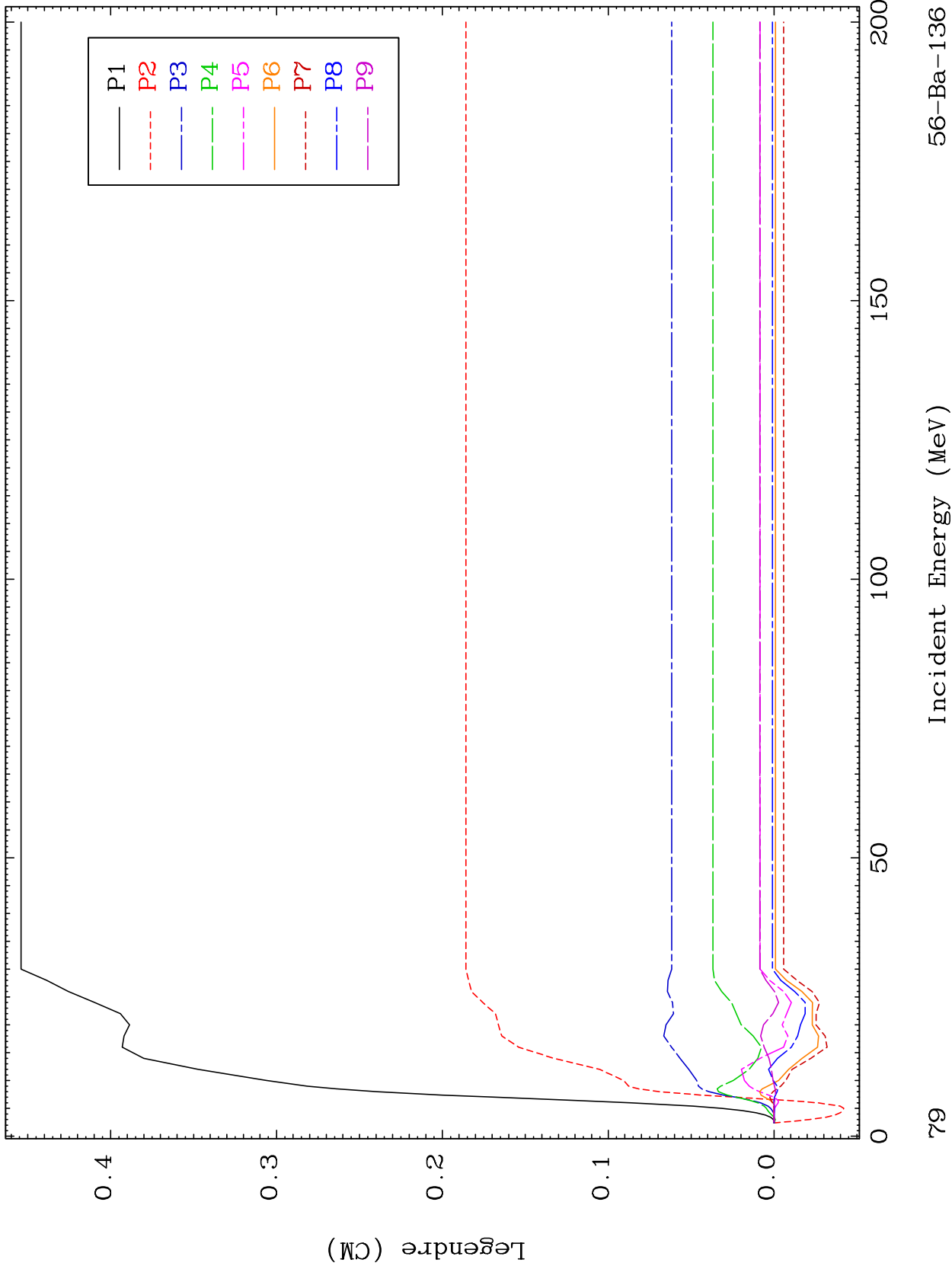
56-Ba-136



MAT 5643

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

56-Ba-136



56-Ba-136

Incident Energy (MeV)

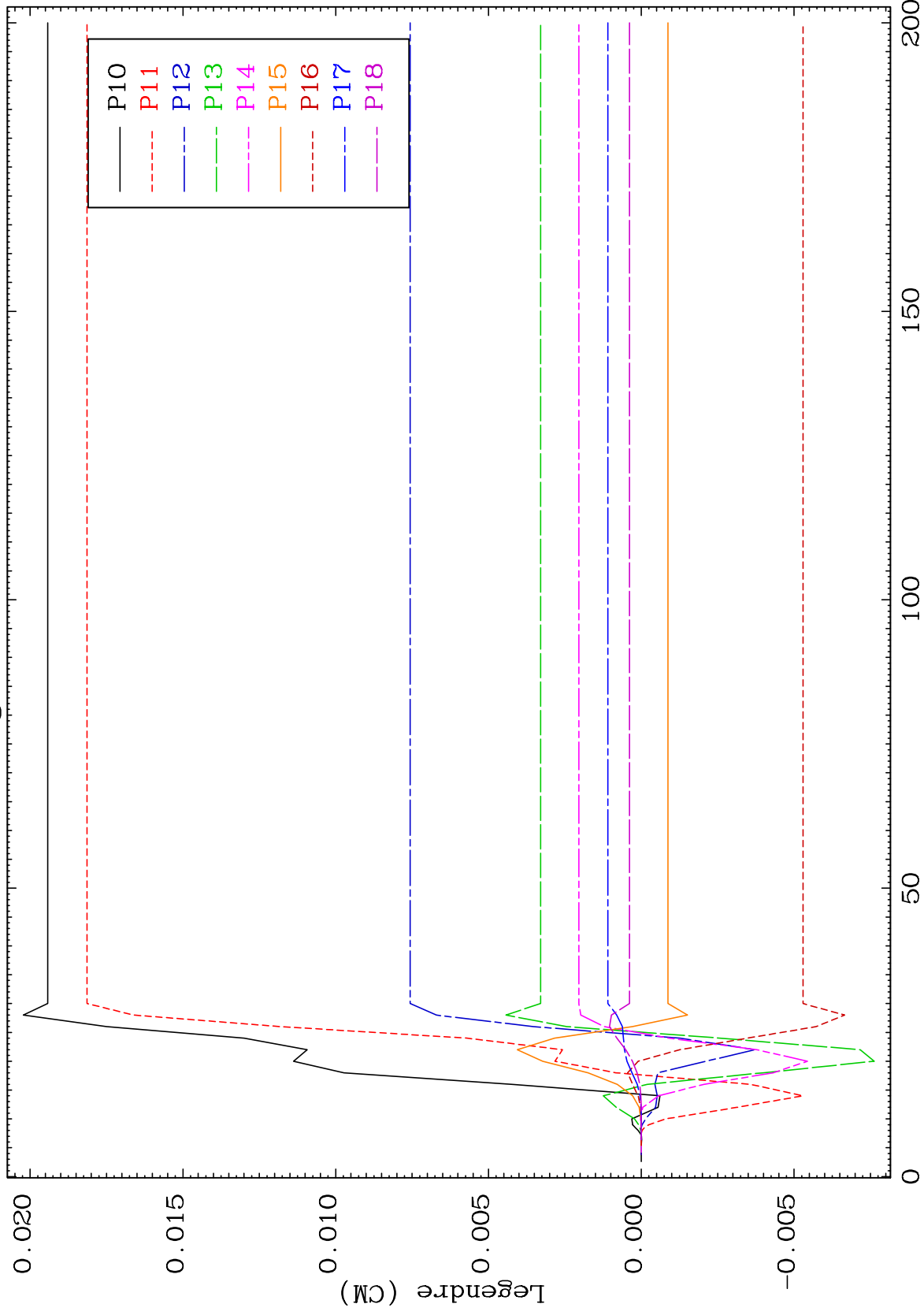
79



MAT 5643

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

56-Ba-136



56-Ba-136

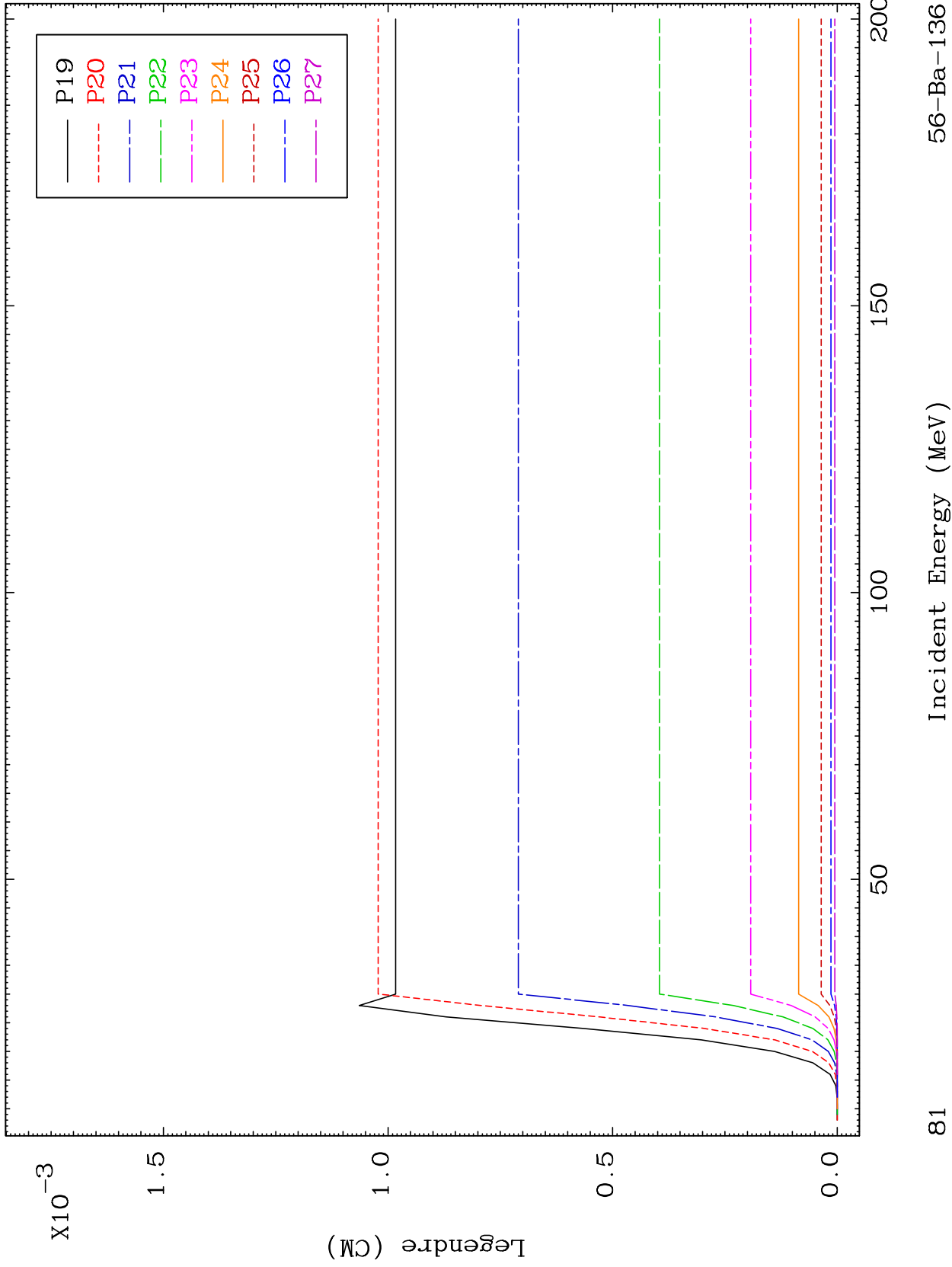
Incident Energy (MeV)

80

MAT 5643

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

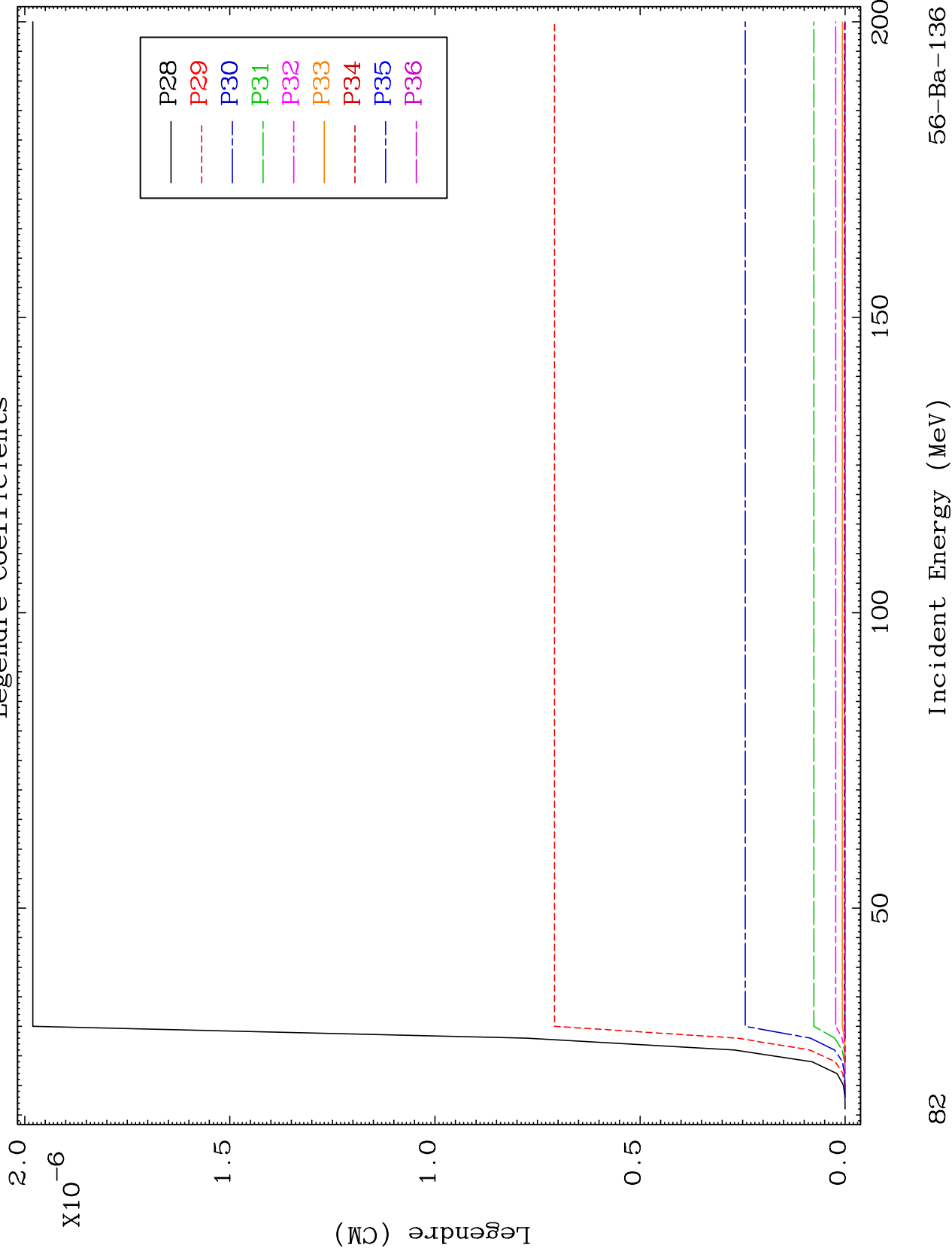
56-Ba-136

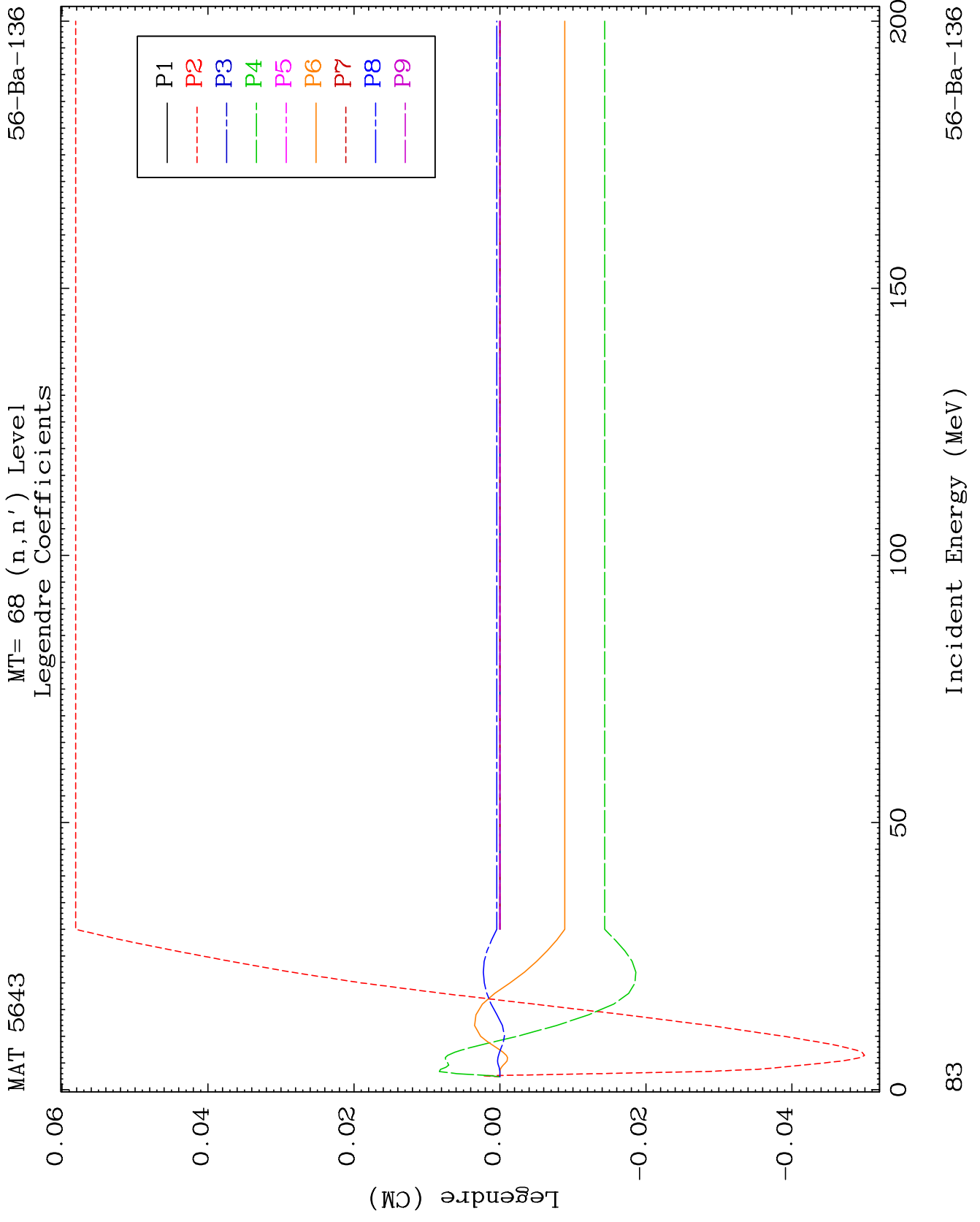


MAT 5643

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

56-Ba-136

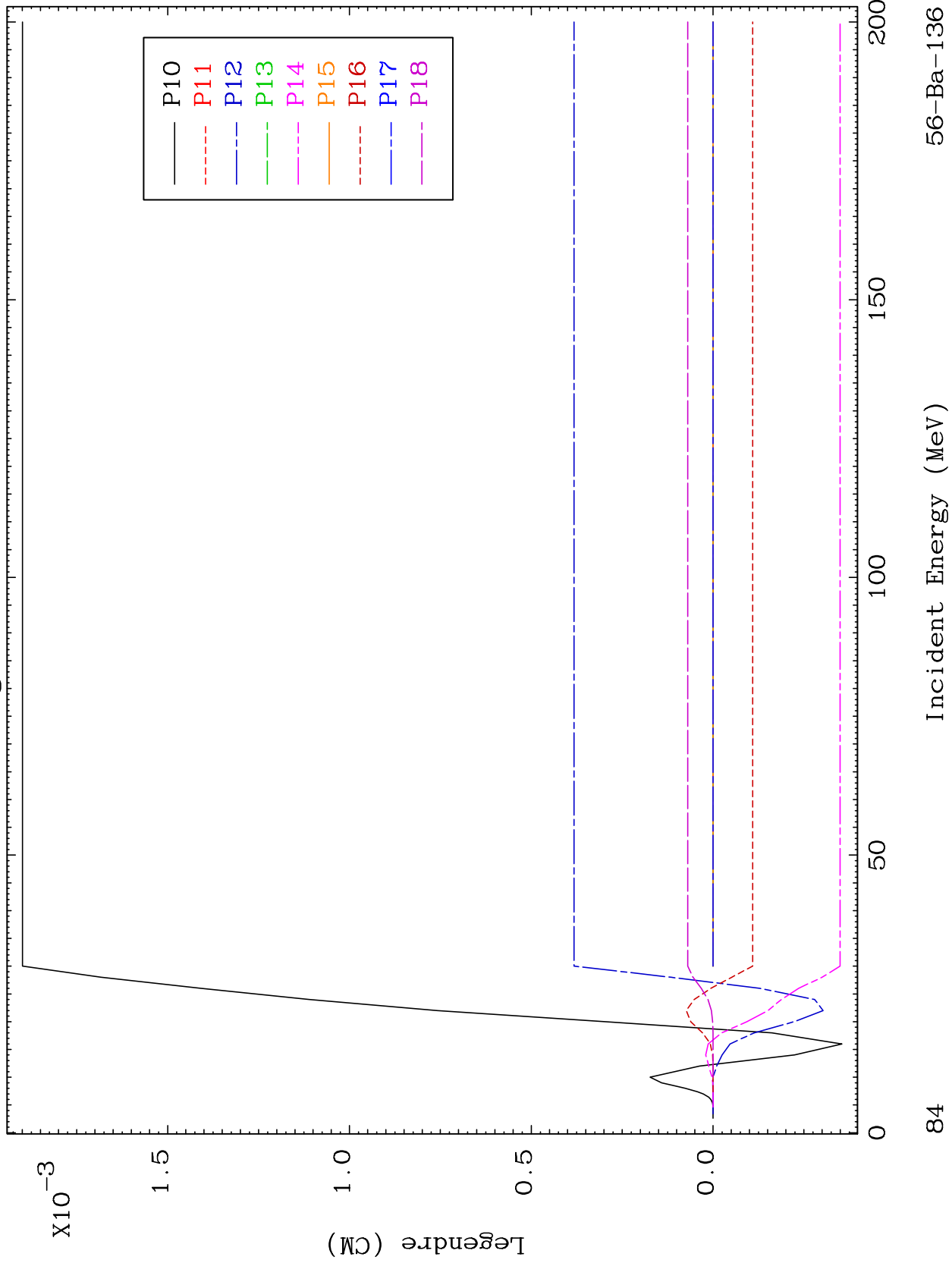




MAT 5643

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

56-Ba-136



84

Incident Energy (MeV)

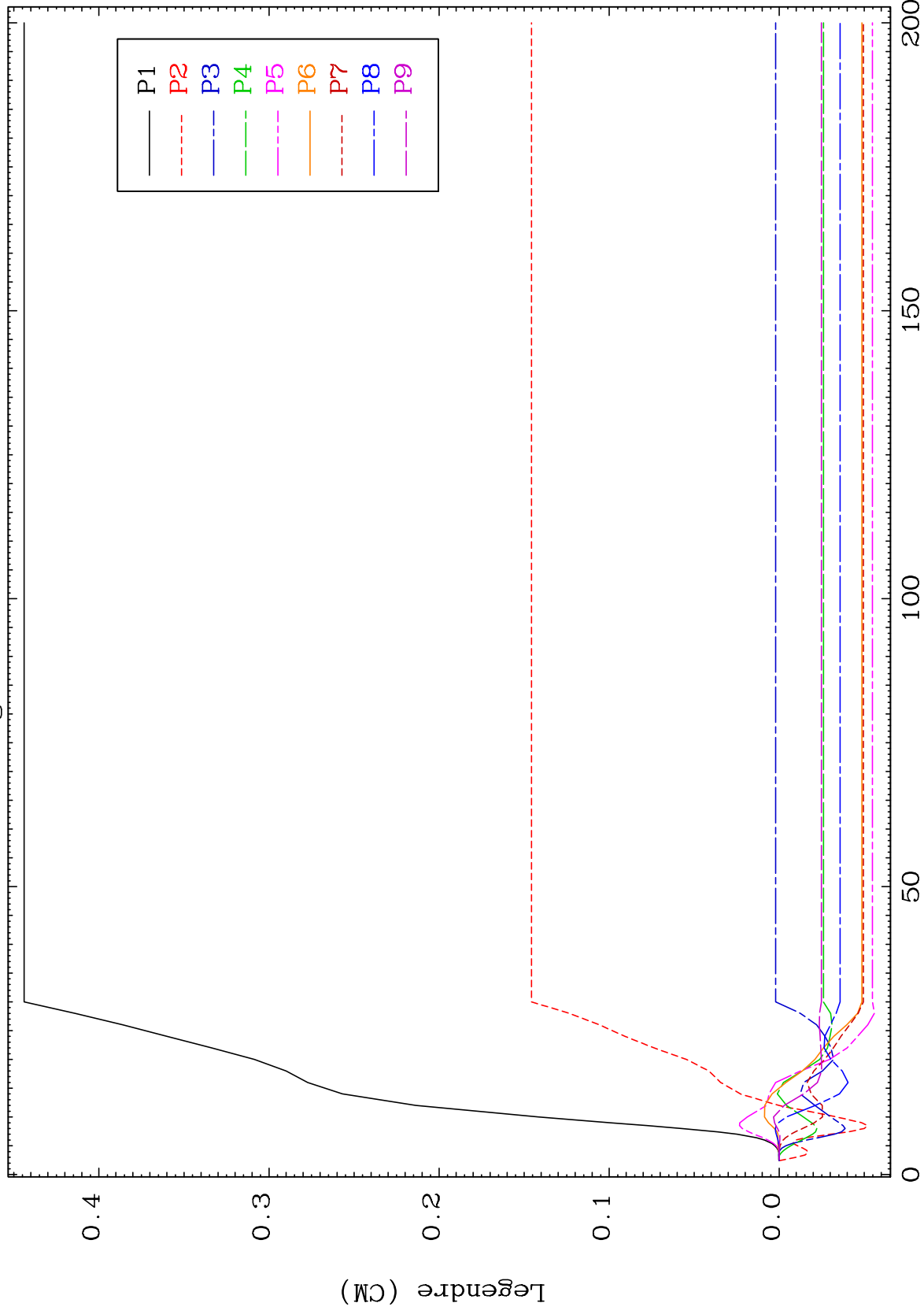
56-Ba-136



MAT 5643

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

56-Ba-136



86

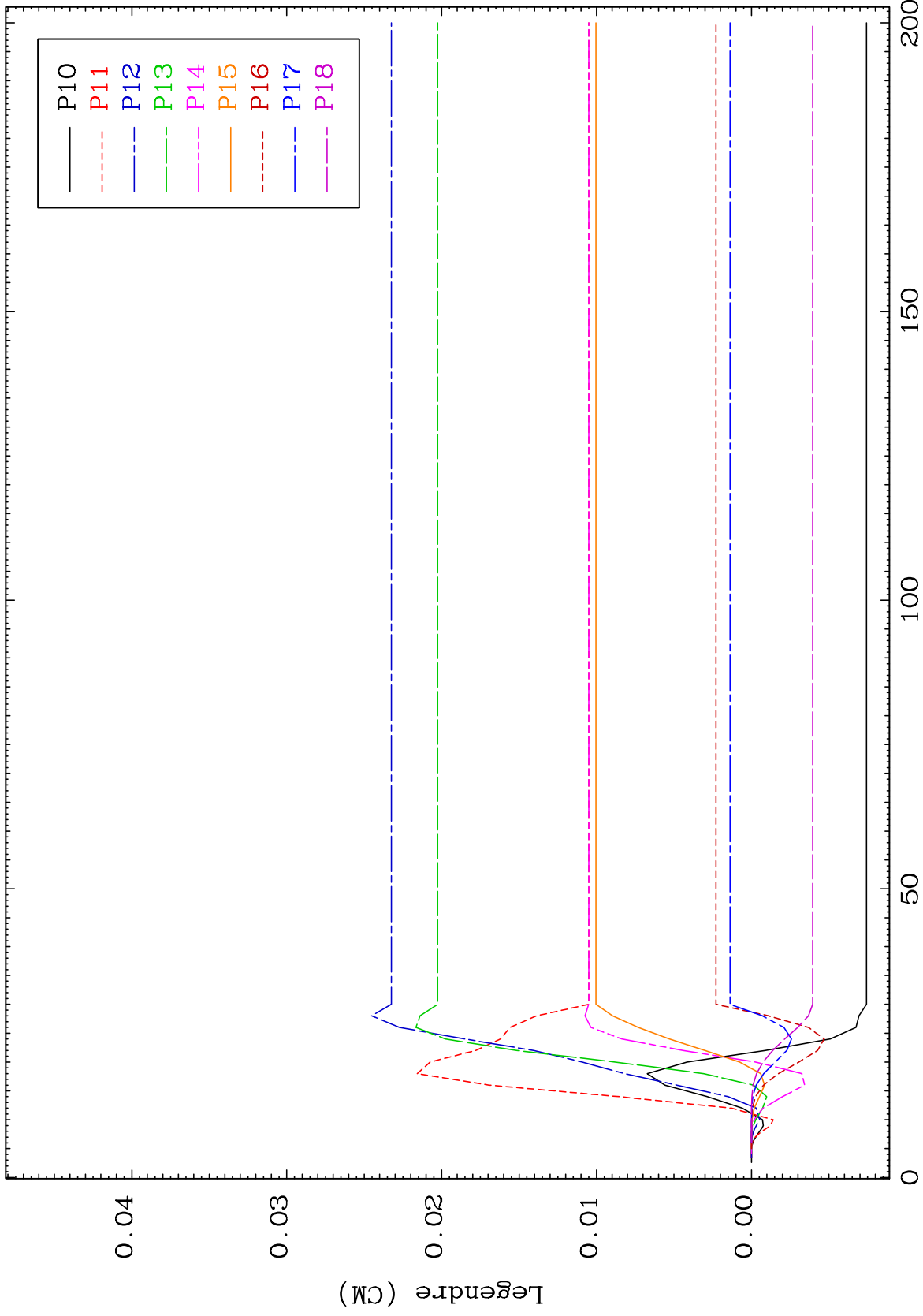
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



87

Incident Energy (MeV)

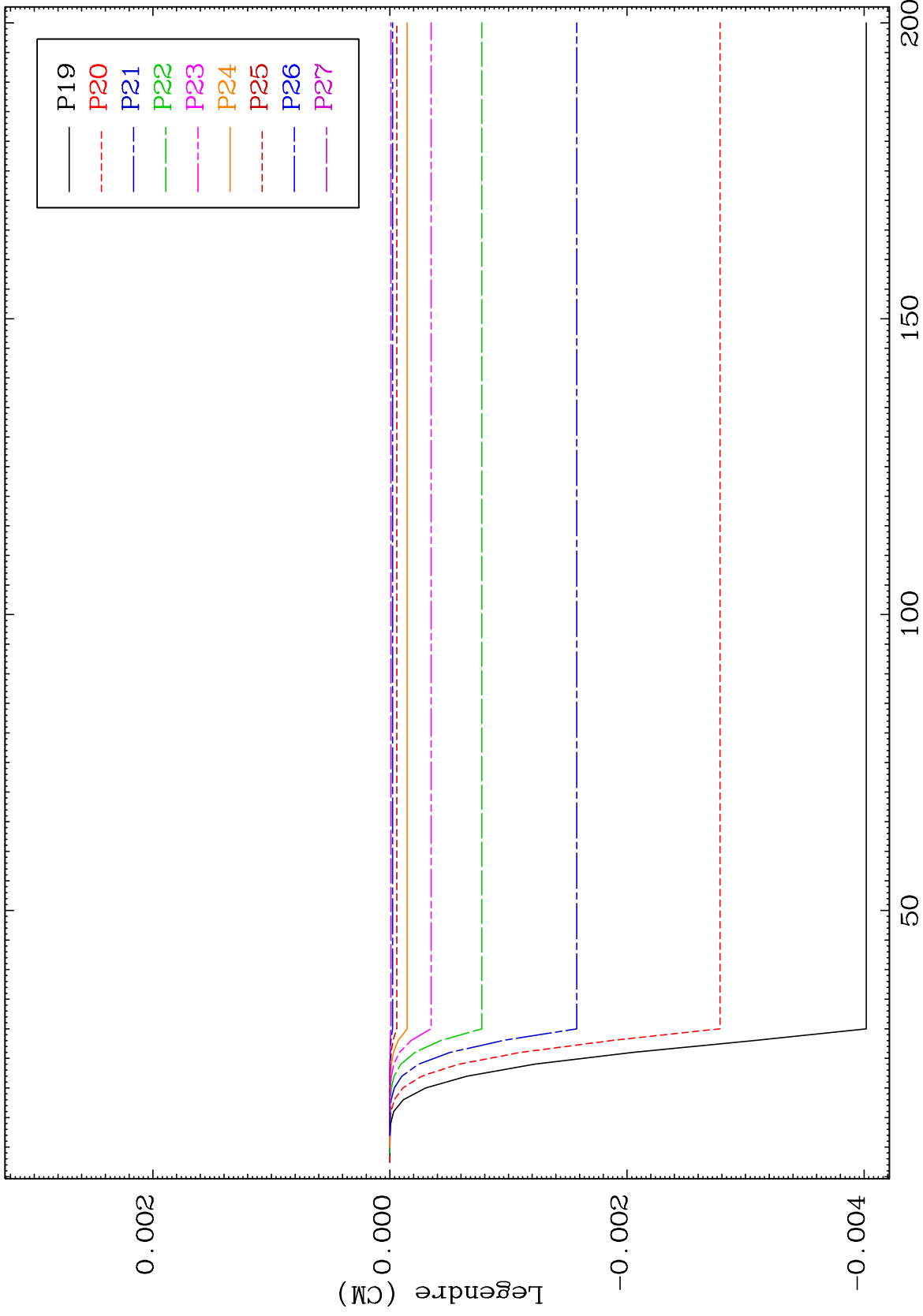
56-Ba-136



MAT 5643

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

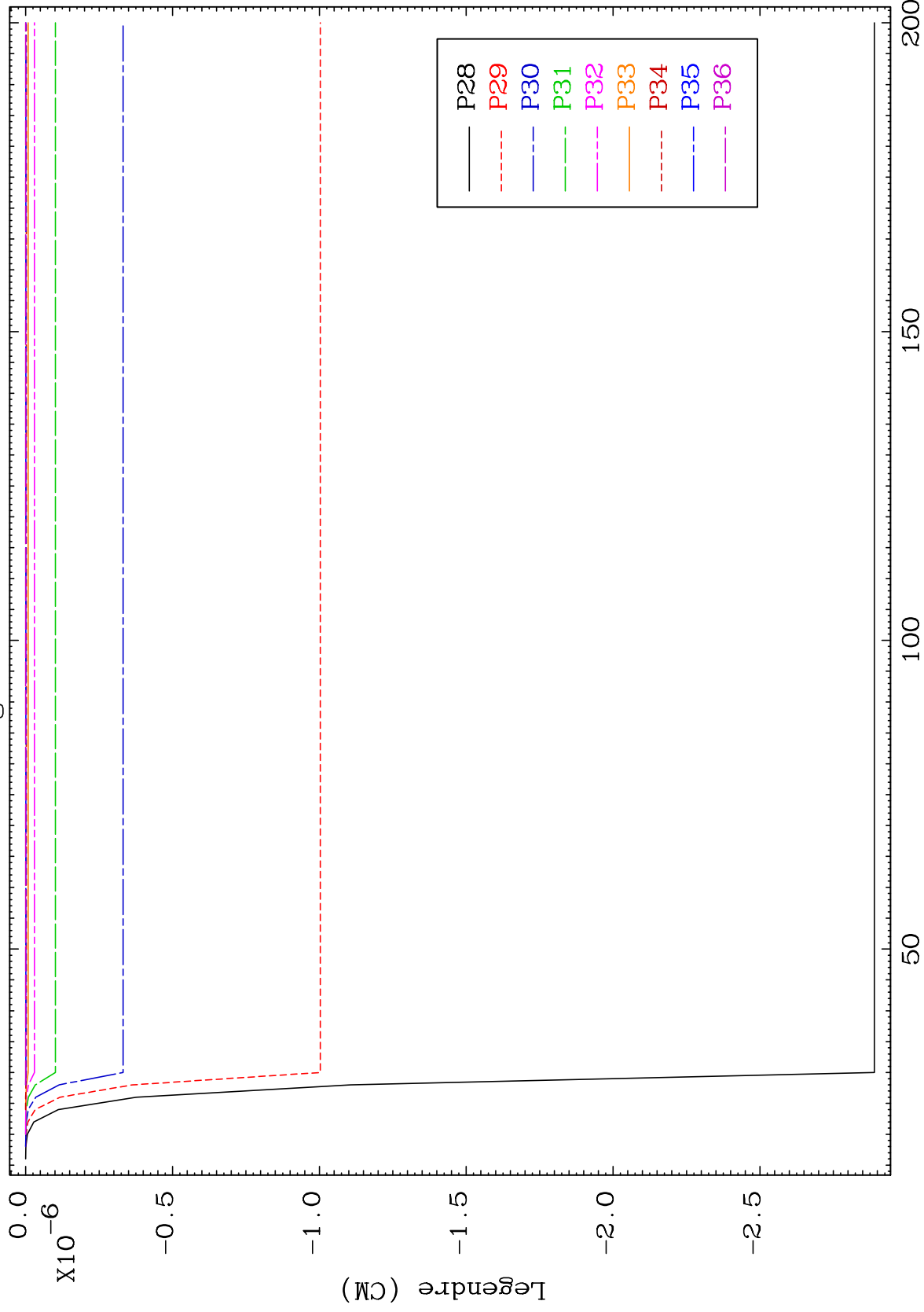
56-Ba-136



MAT 5643

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

56-Ba-136



89

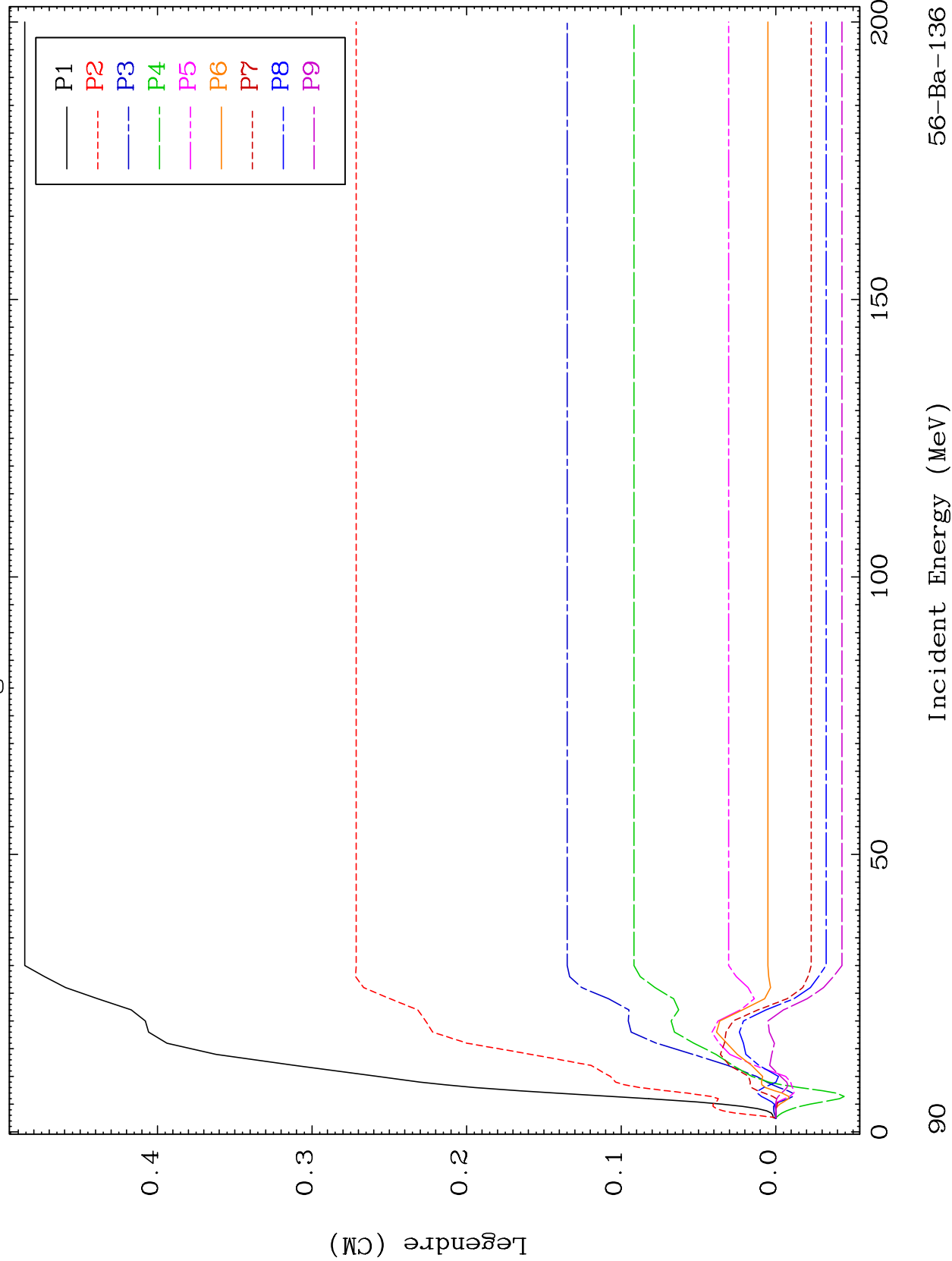
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



56-Ba-136

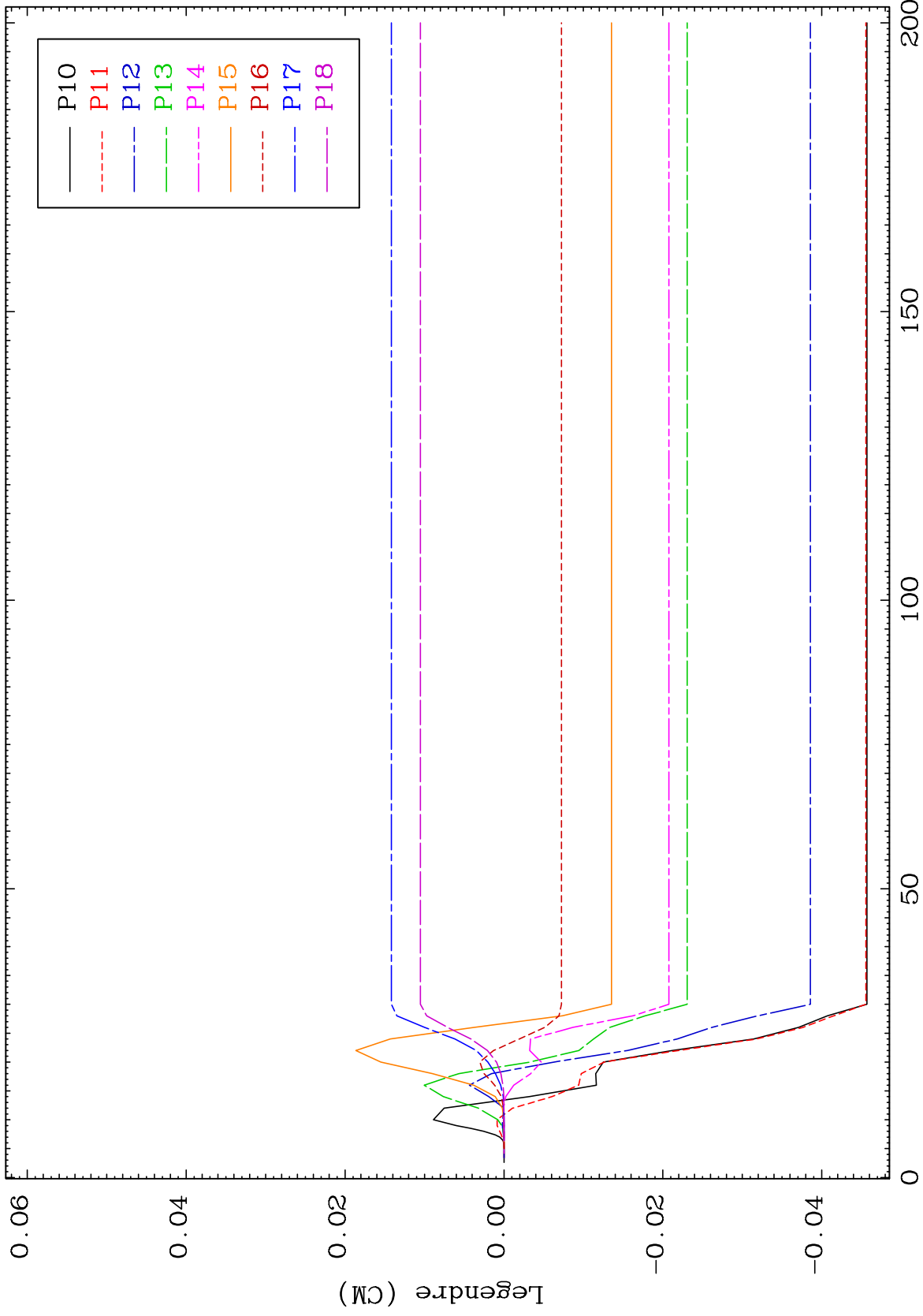
Incident Energy (MeV)

90

MAT 5643

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

56-Ba-136



91

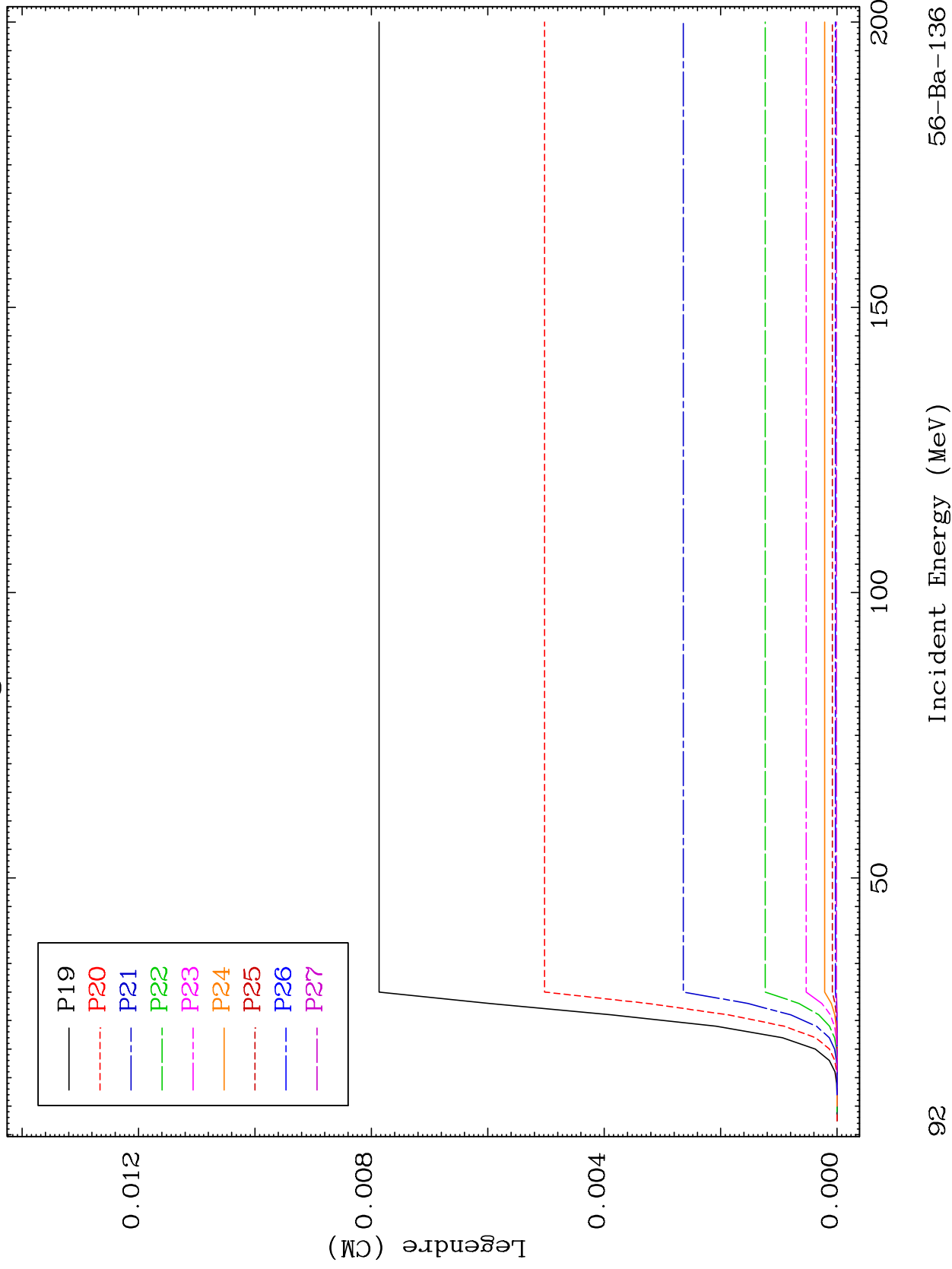
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



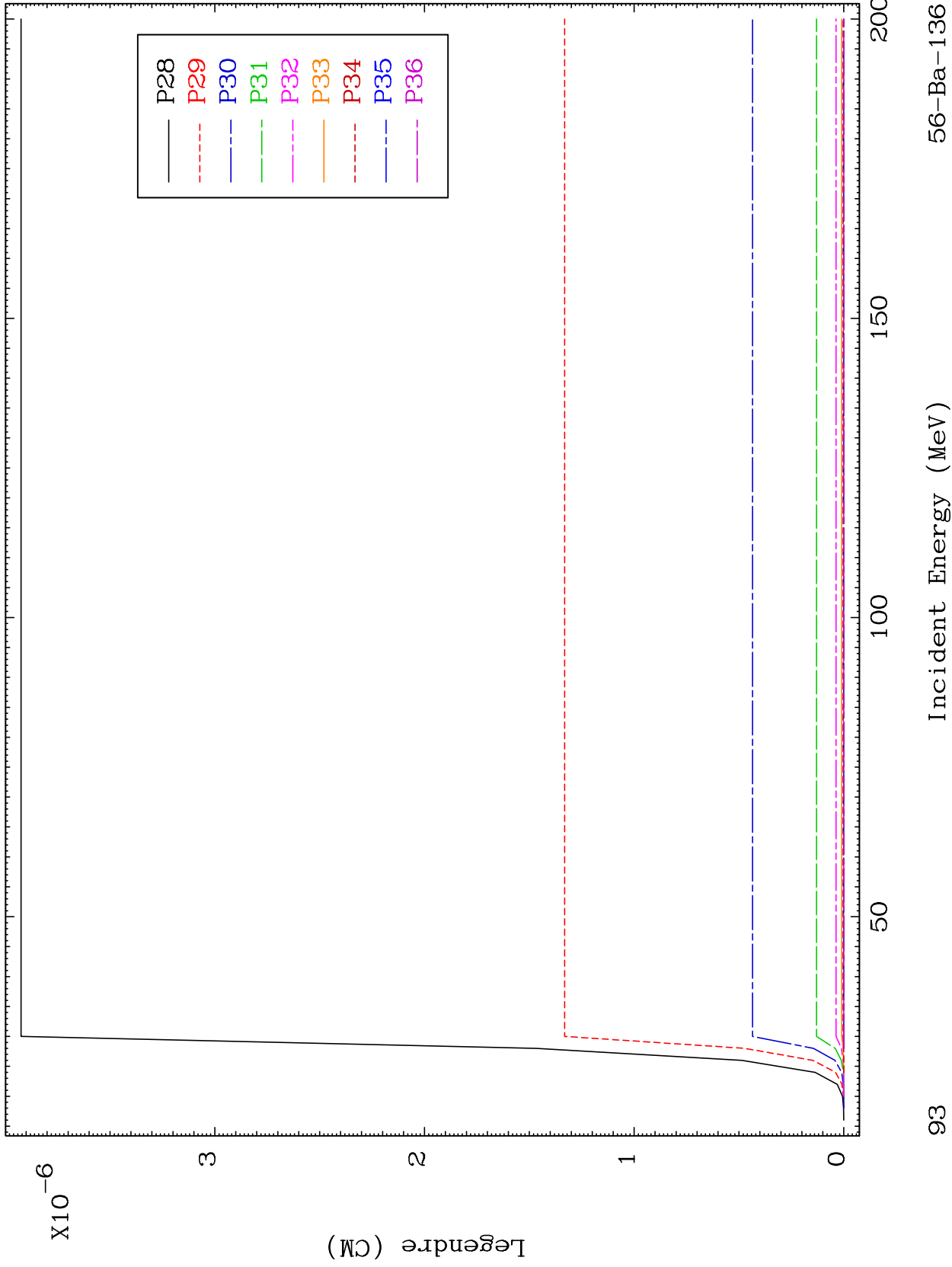
92

56-Ba-136

MAT 5643

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

56-Ba-136

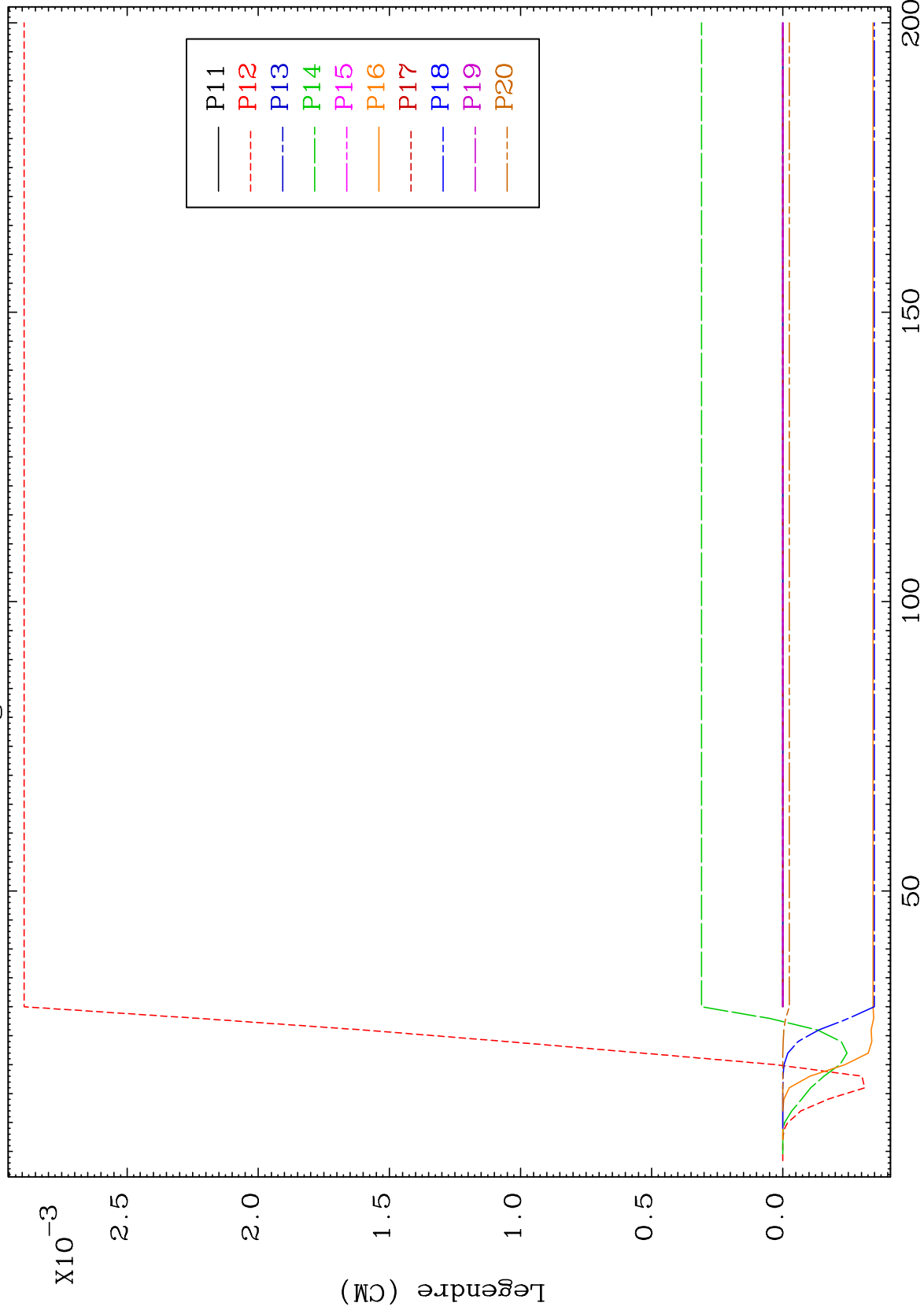




MAT 5643

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

56-Ba-136

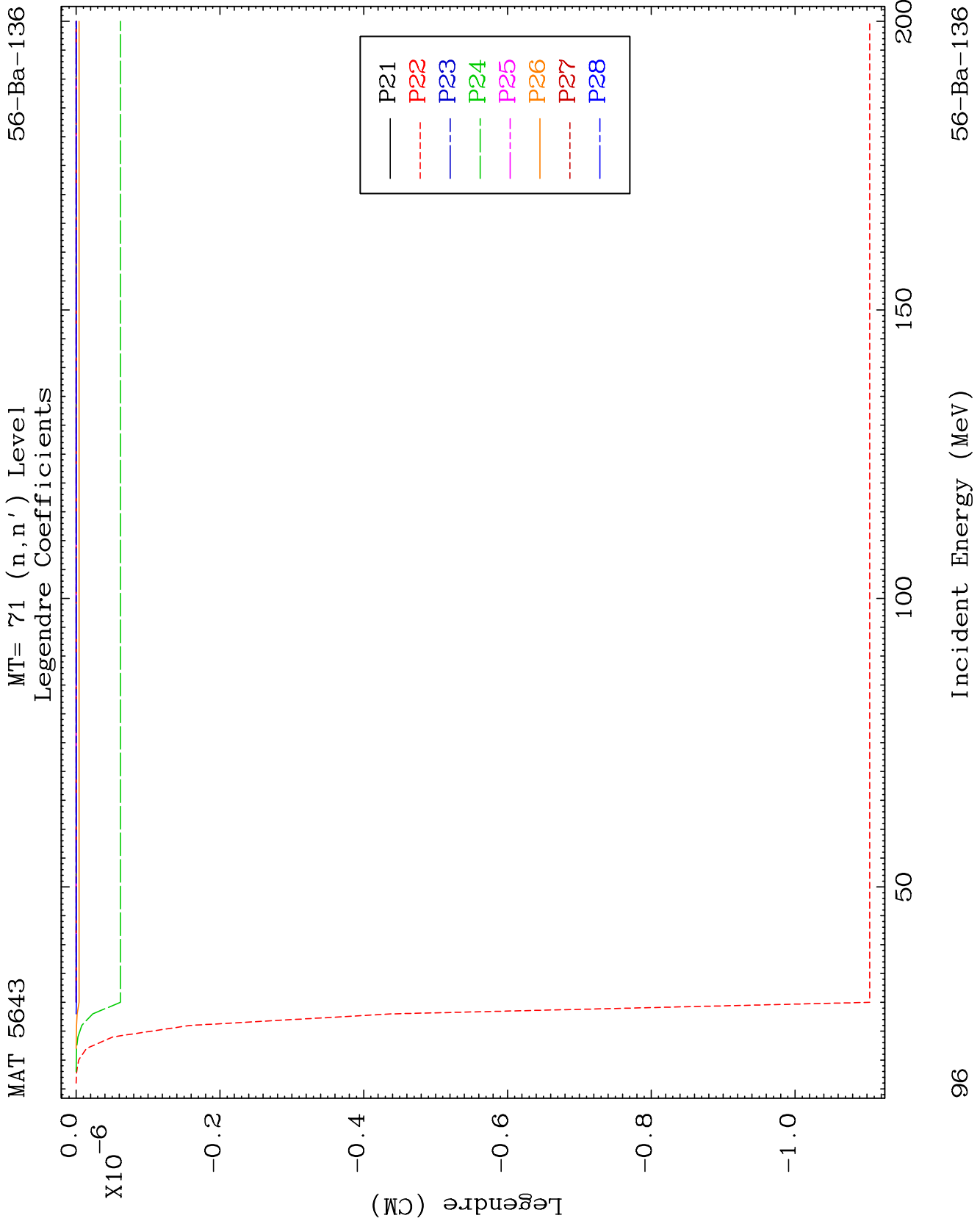


95

Incident Energy (MeV)

56-Ba-136

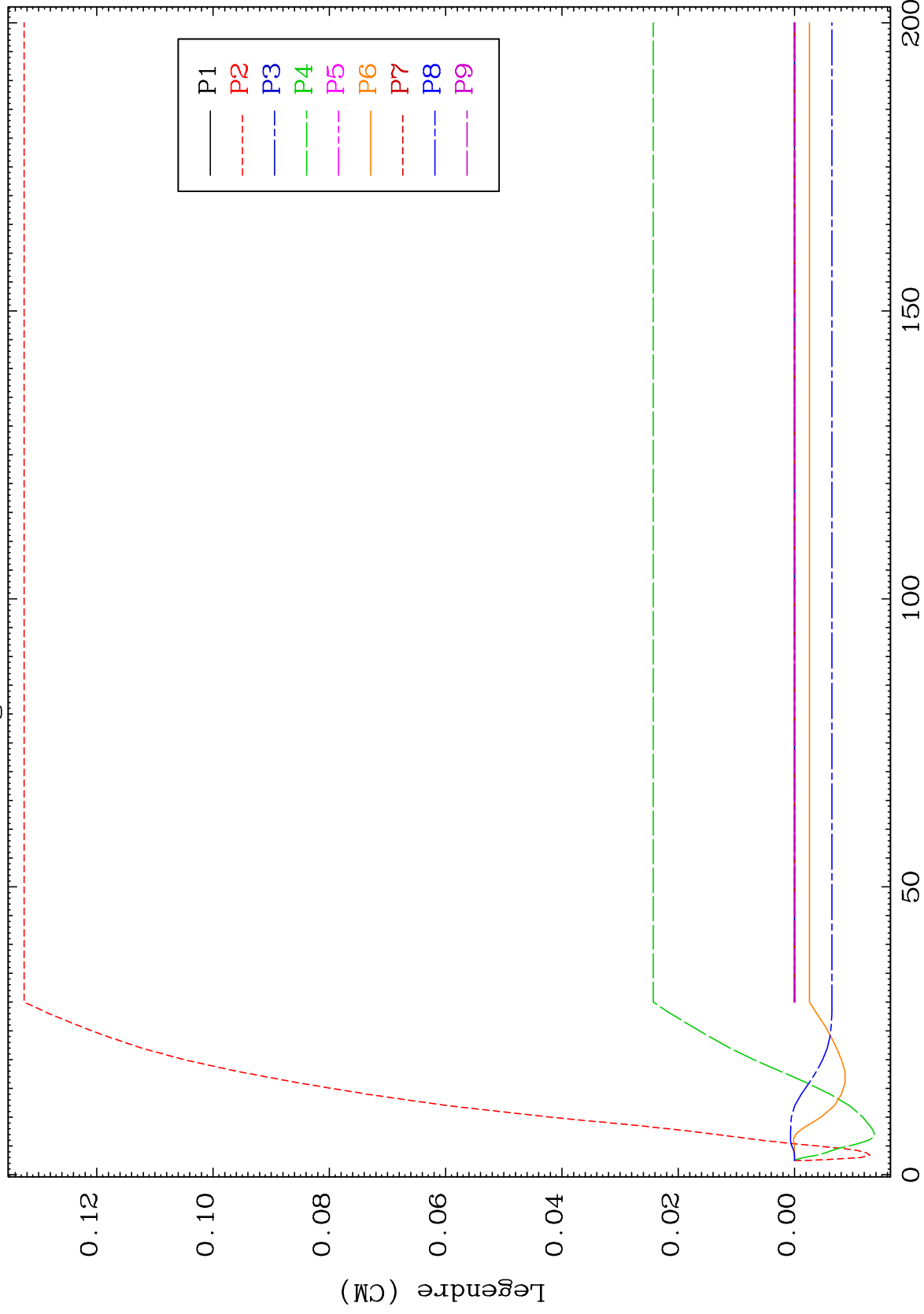




MAT 5643

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

56-Ba-136



97

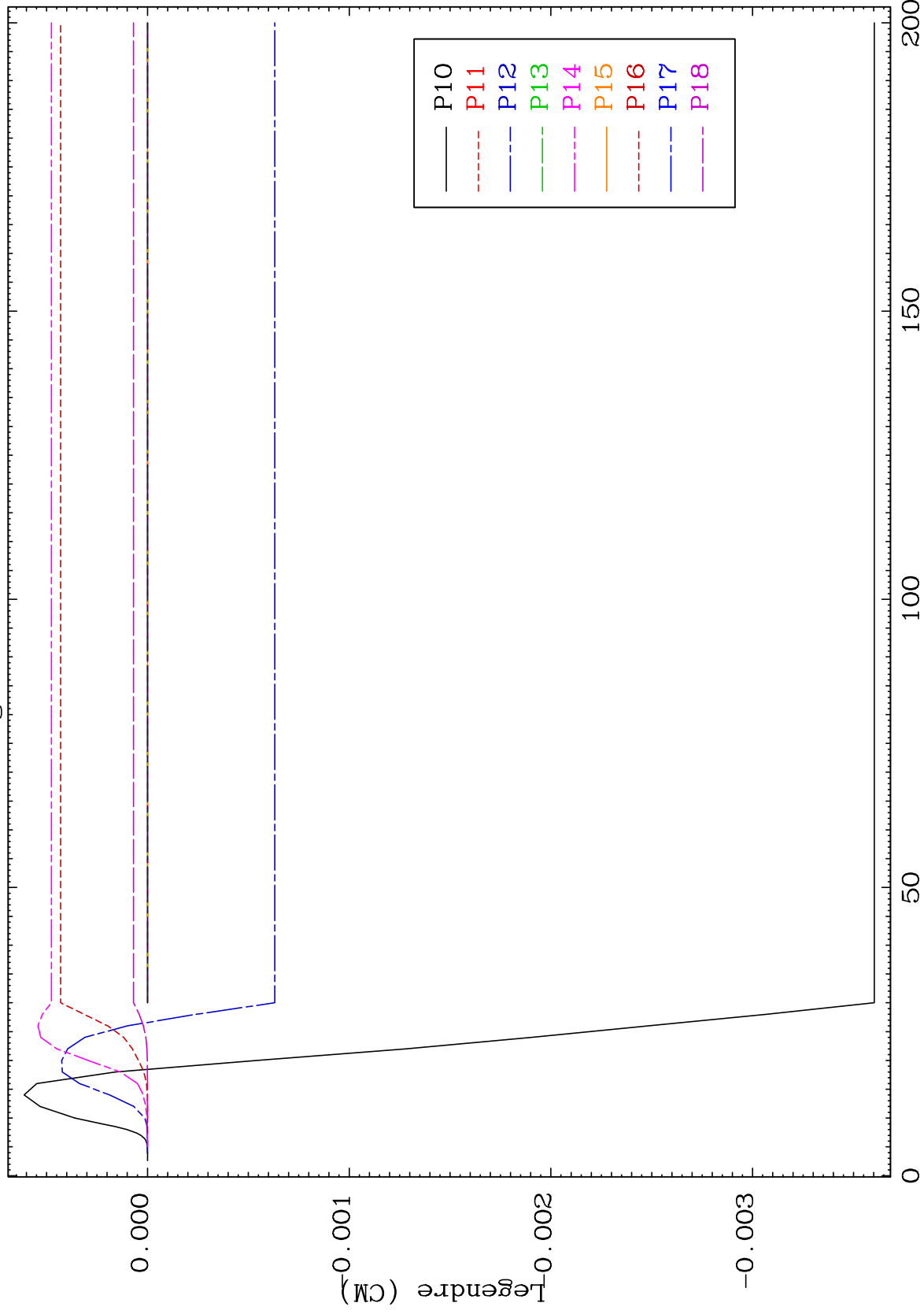
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



98

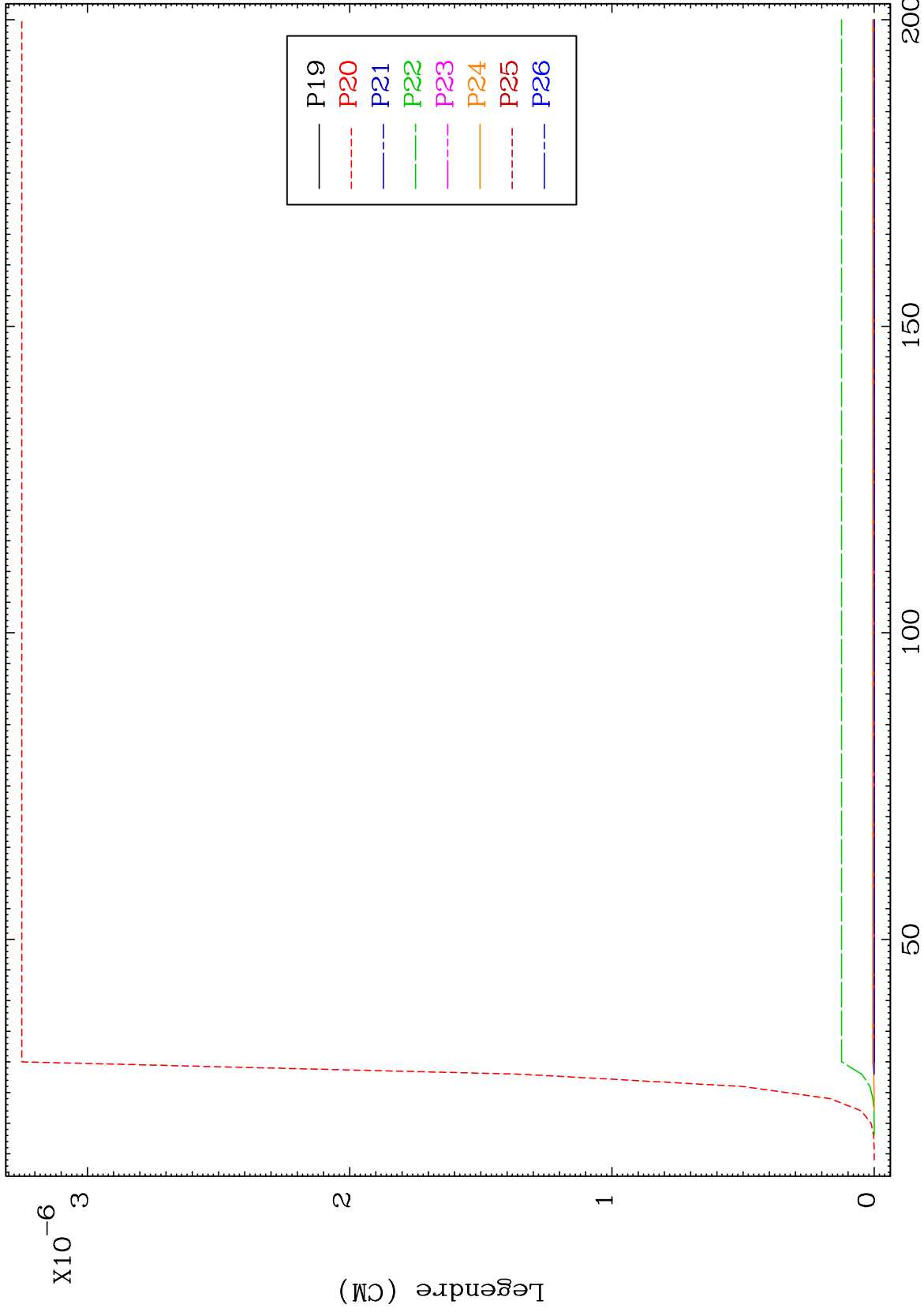
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



99

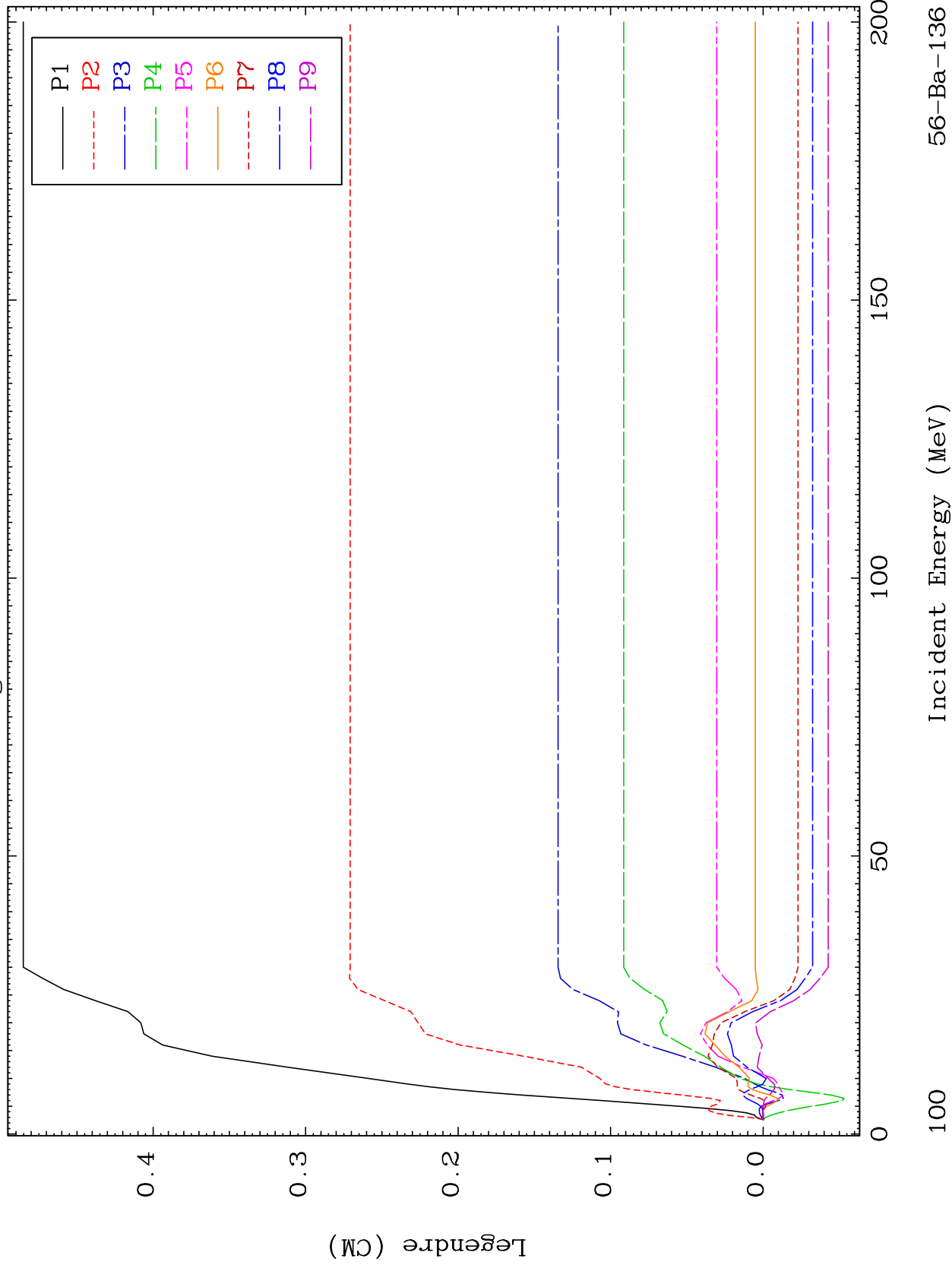
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

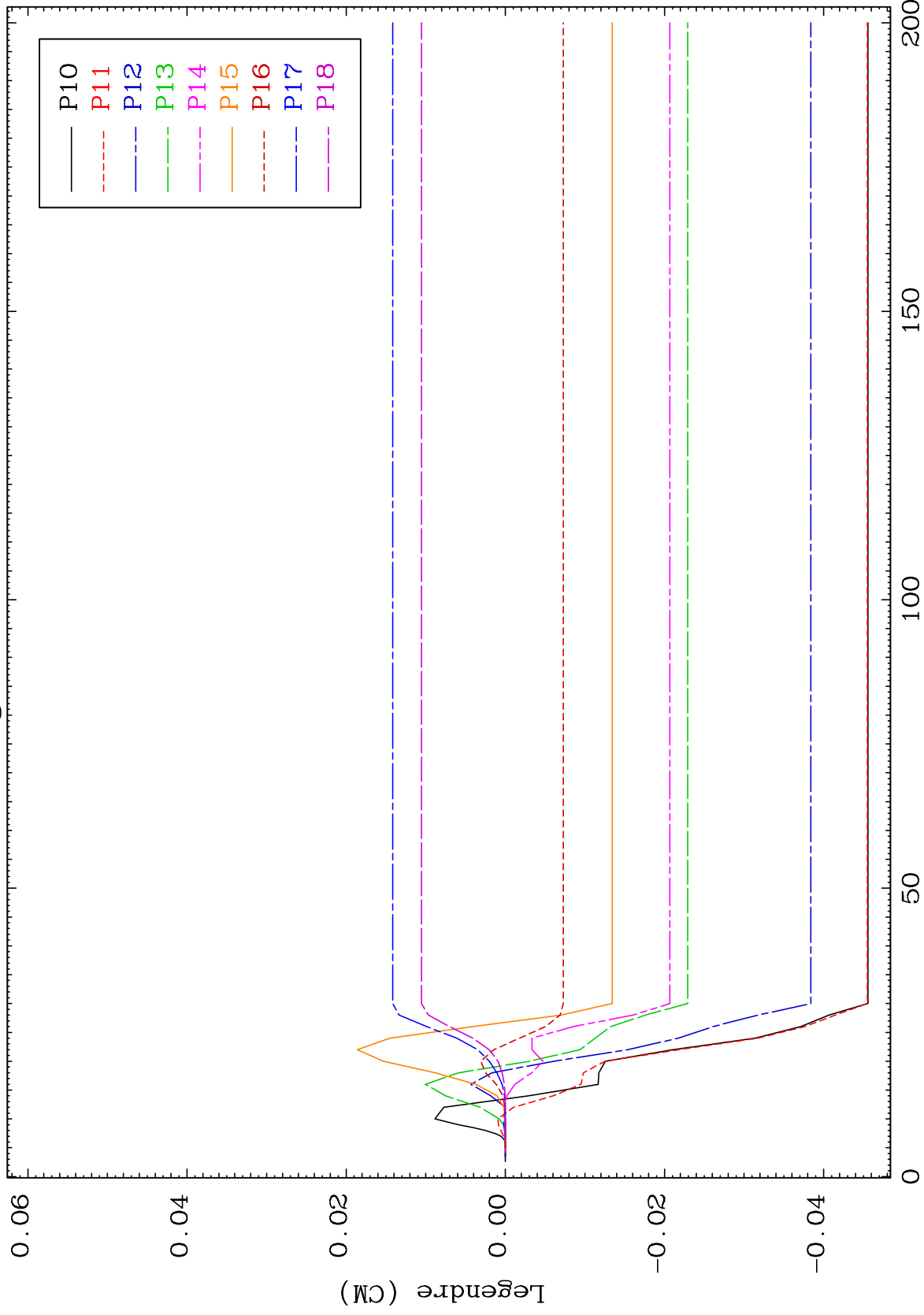
56-Ba-136



MAT 5643

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

56-Ba-136



101

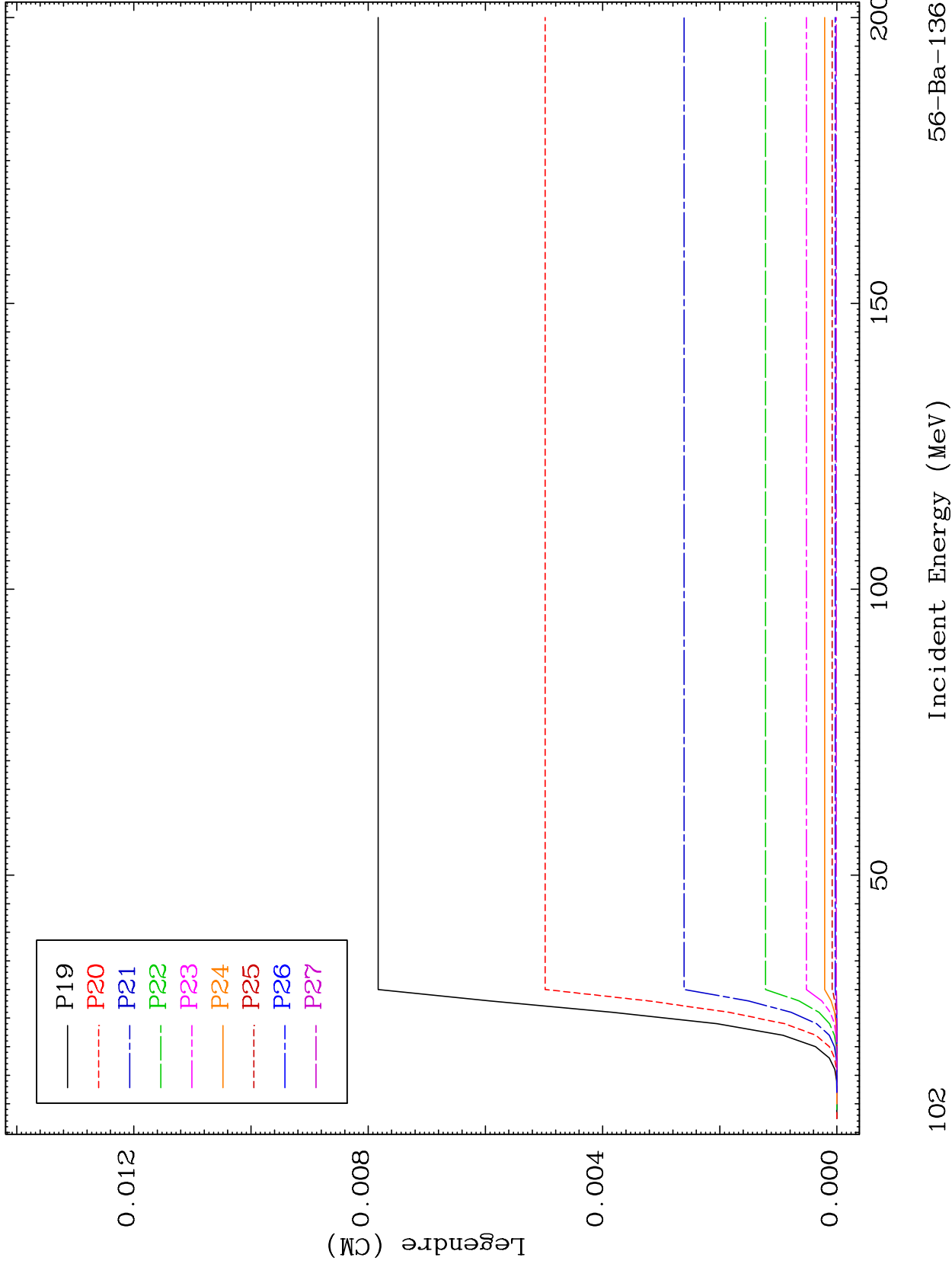
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



102

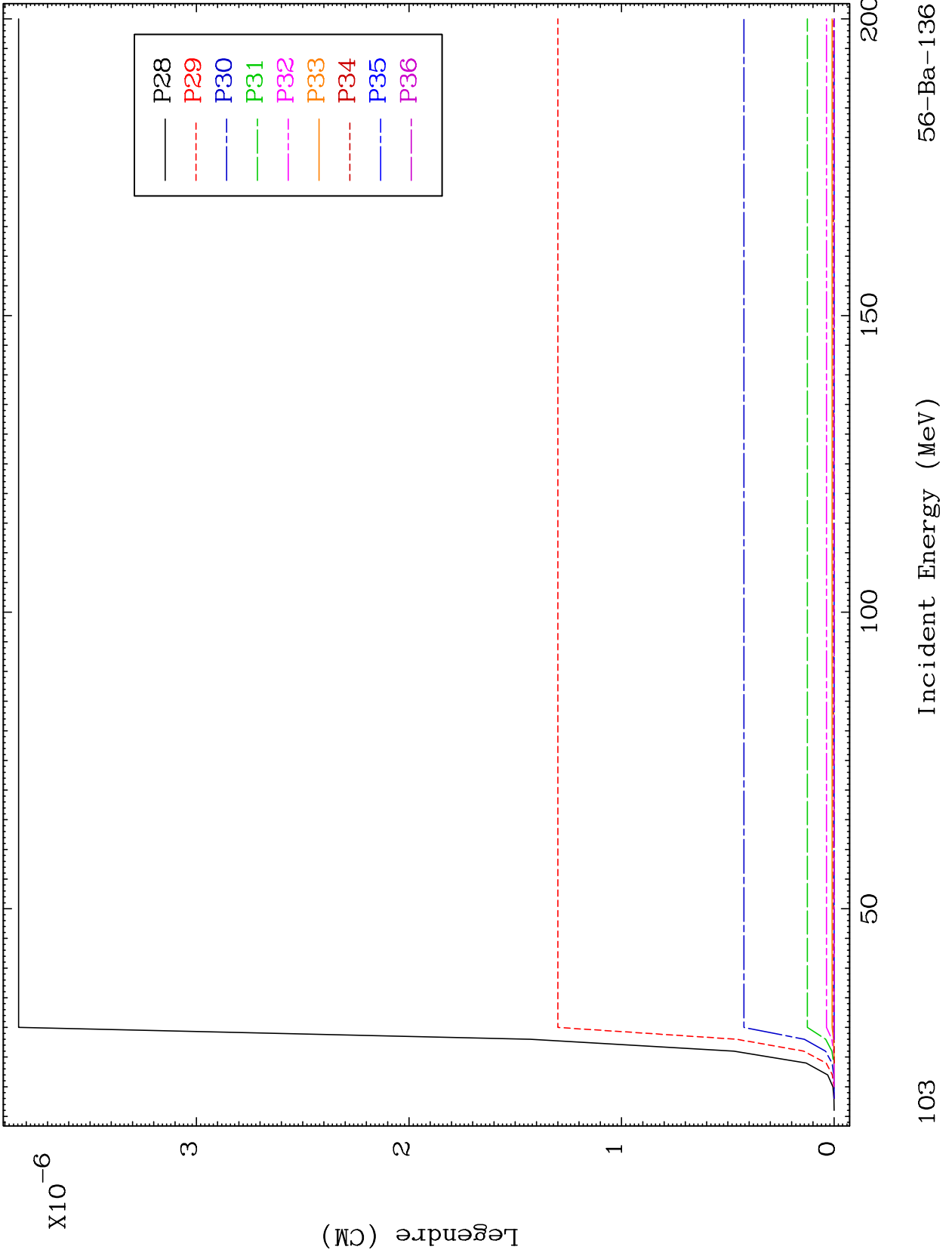
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136

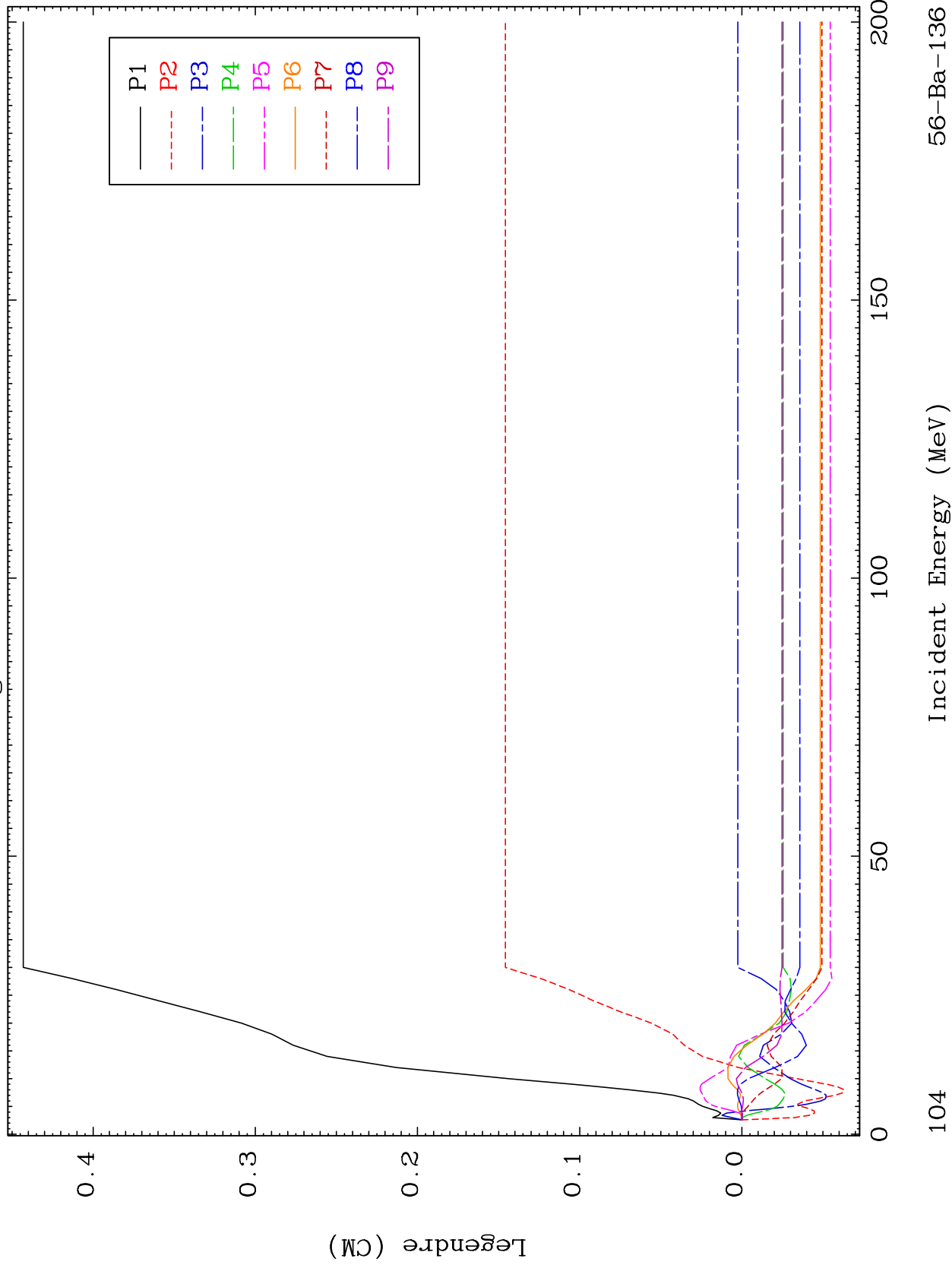




MAT 5643

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

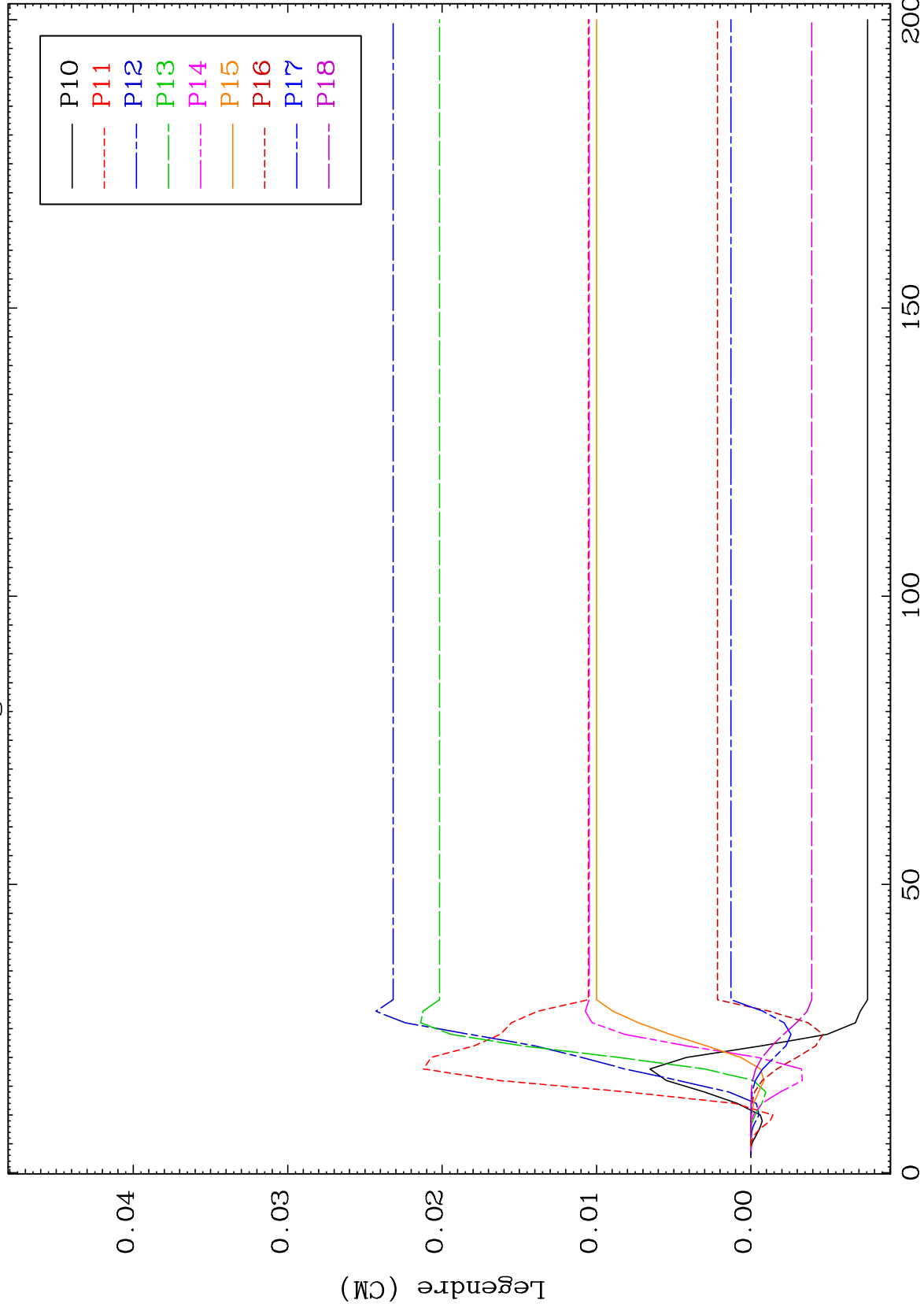
56-Ba-136



MAT 5643

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

56-Ba-136



105

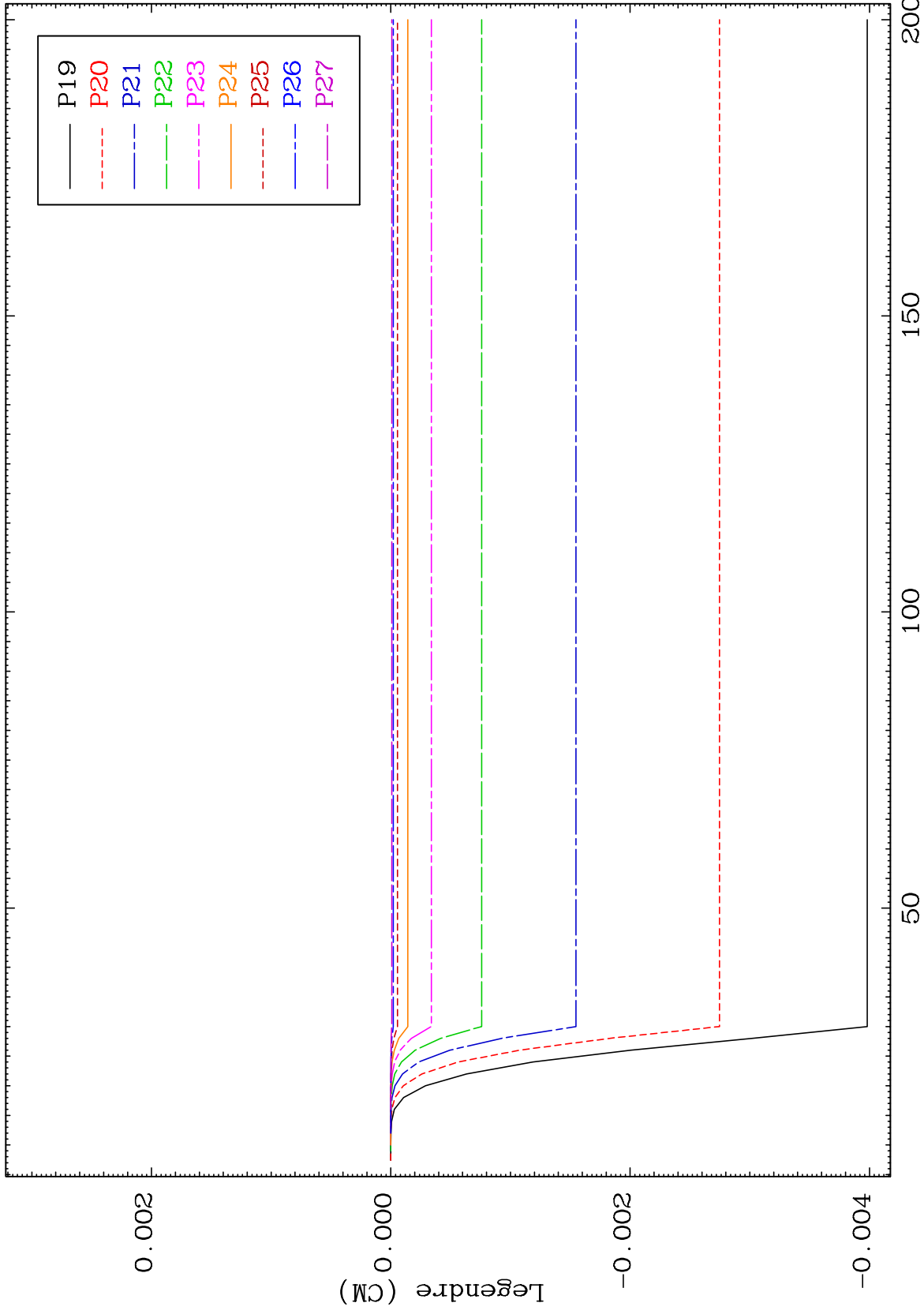
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



106

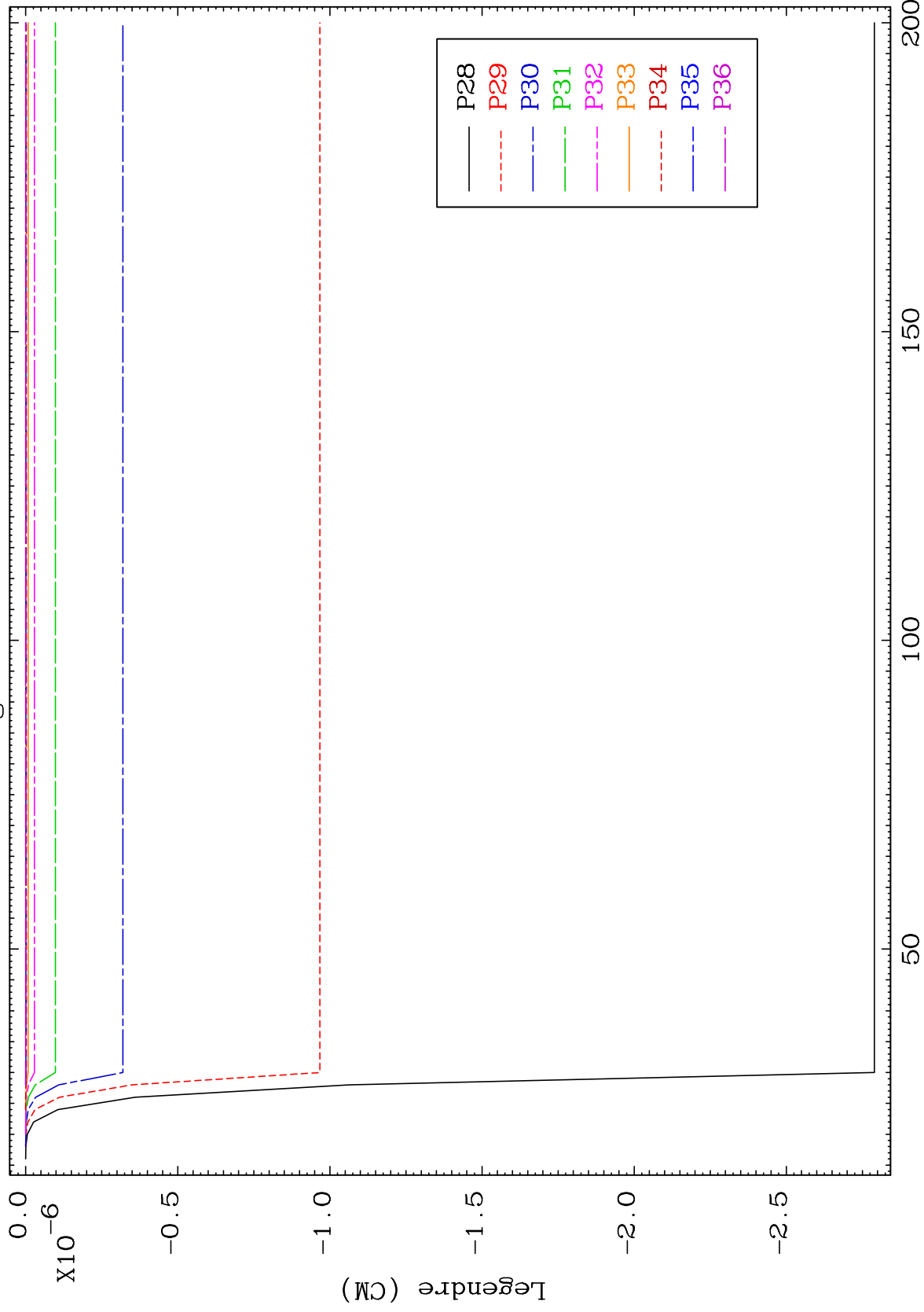
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



107

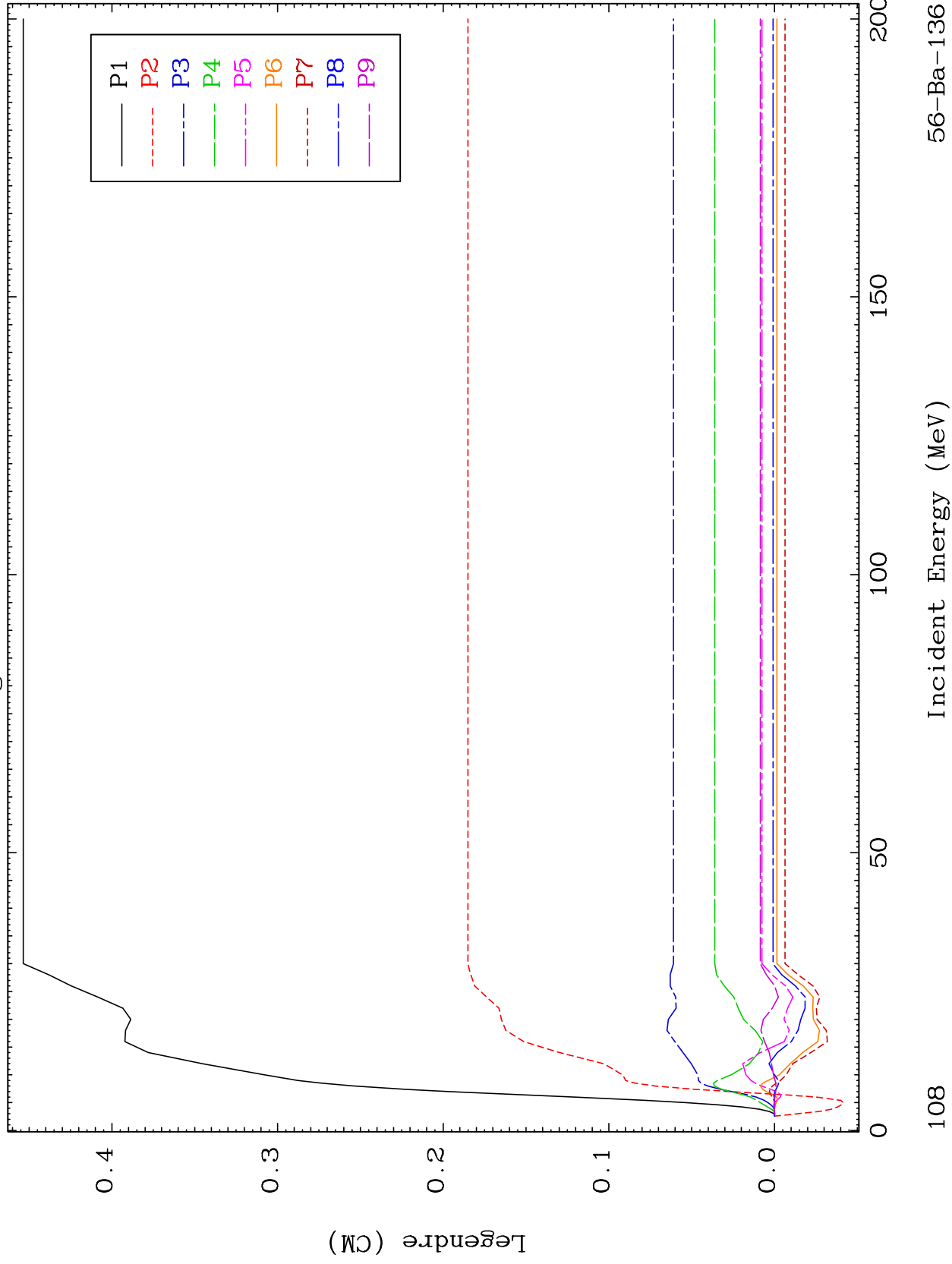
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



56-Ba-136

Incident Energy (MeV)

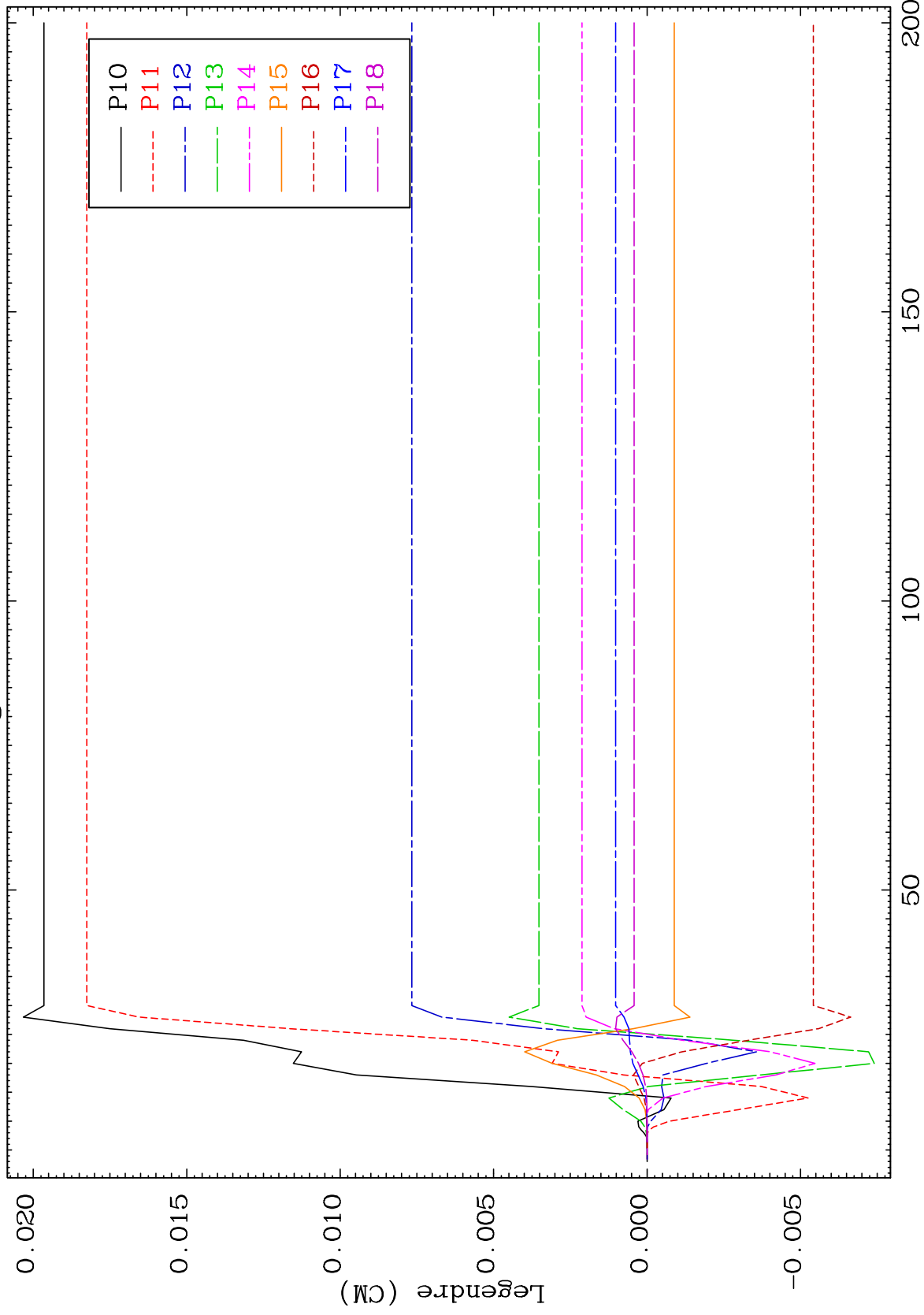
108

MAT 5643

MT= 75 (n,n') Level

56-Ba-136

Legendre Coefficients



109

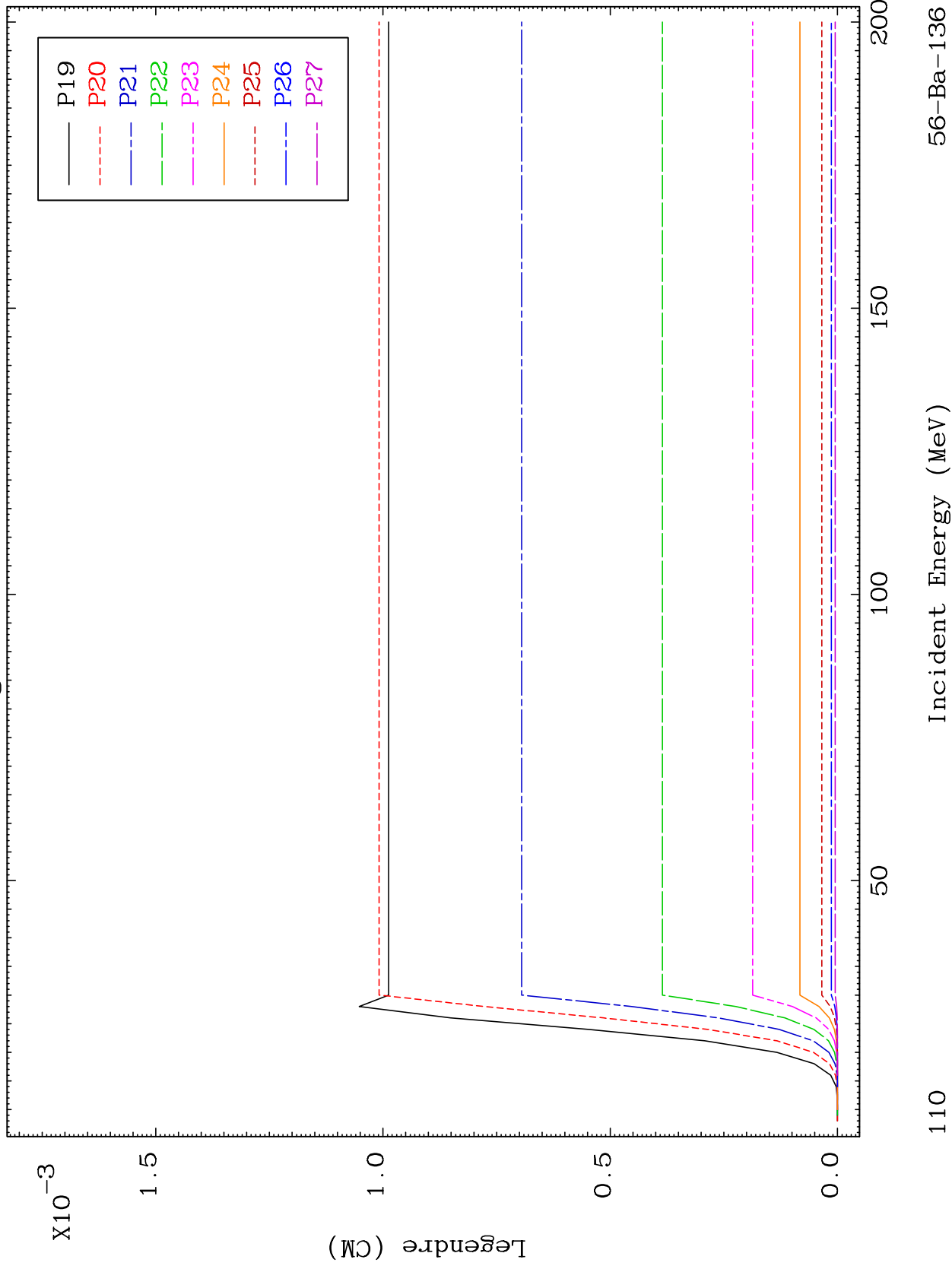
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

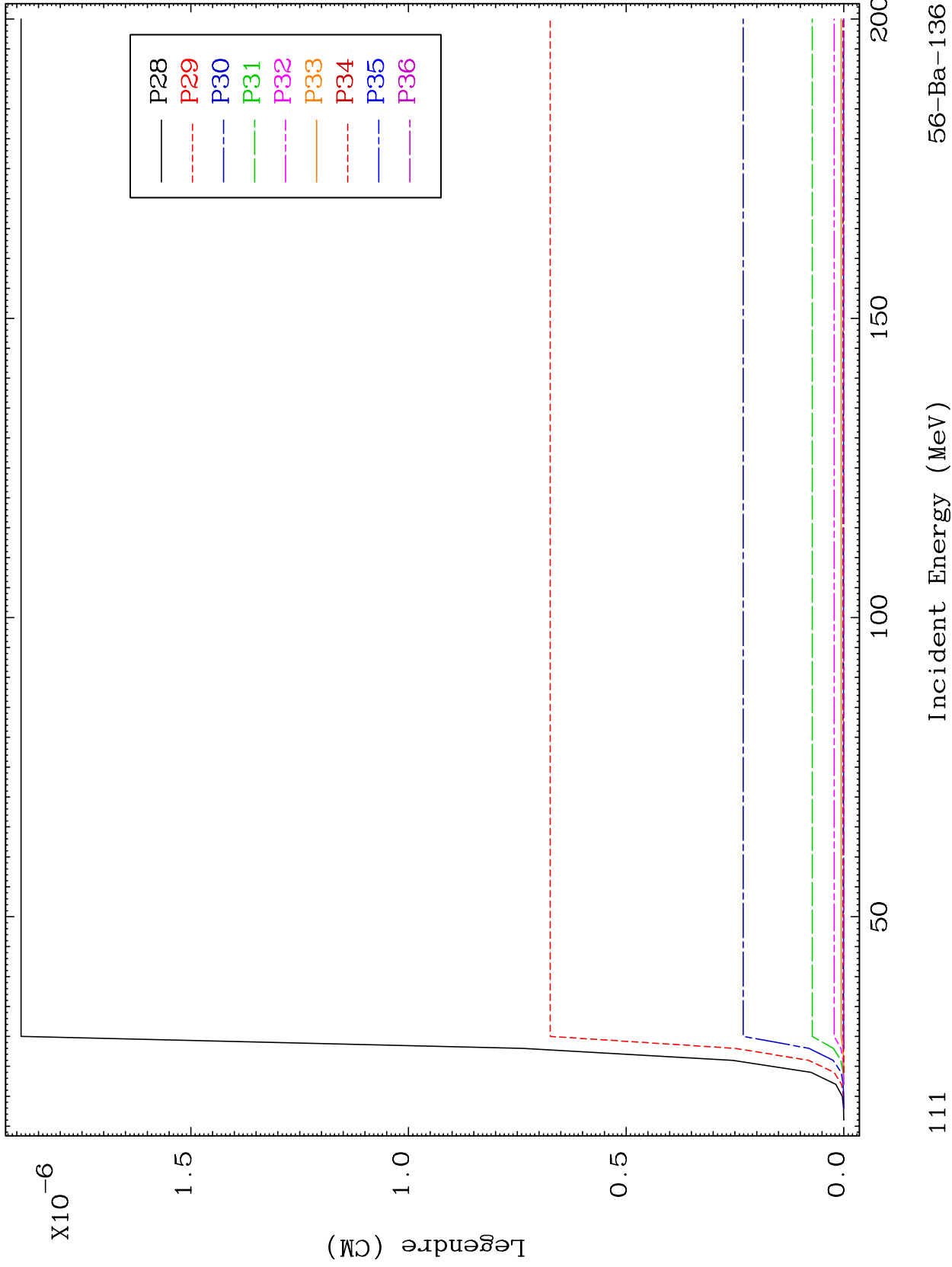
56-Ba-136



MAT 5643

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

56-Ba-136



111

Incident Energy (MeV)

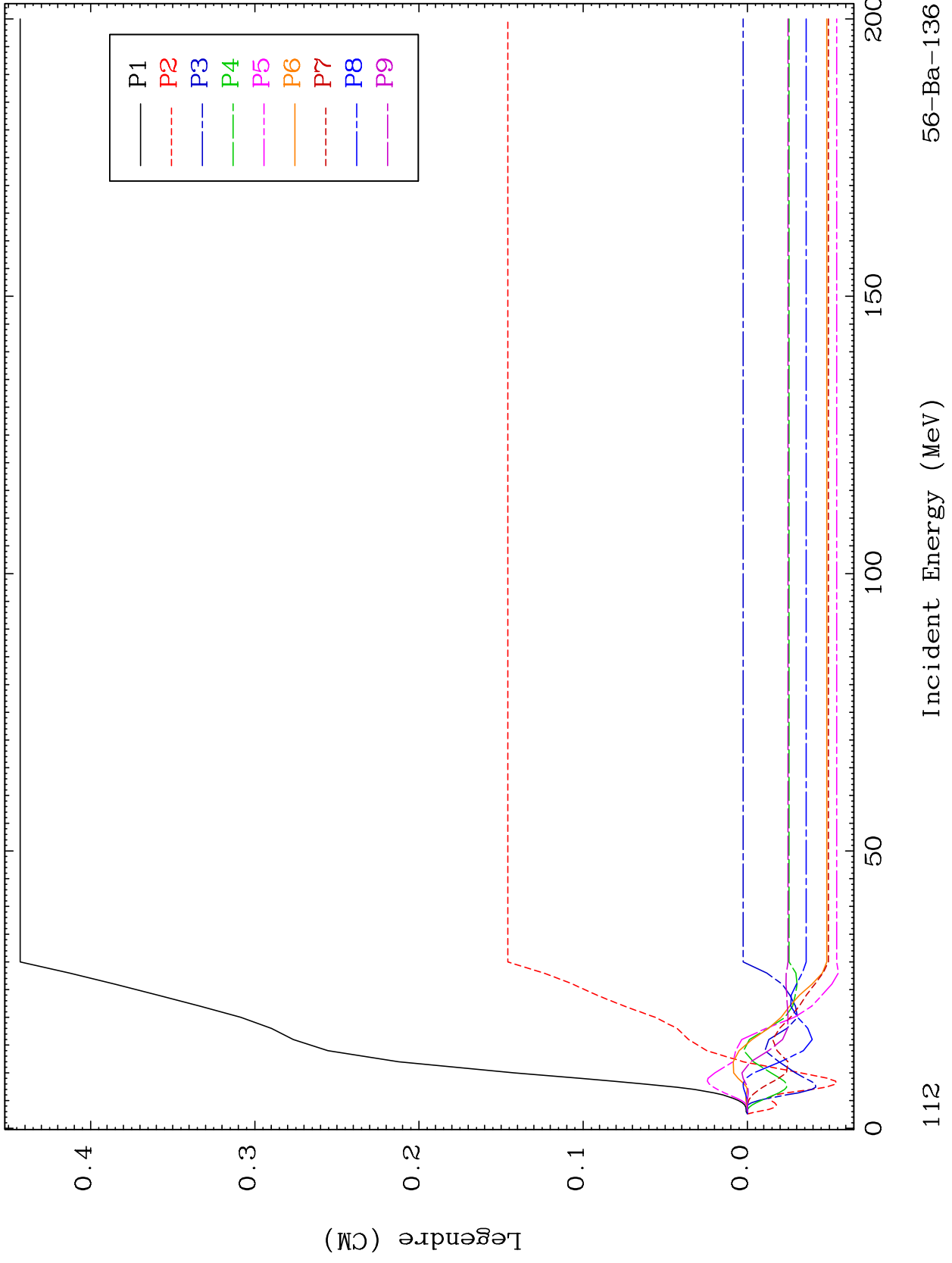
56-Ba-136



MAT 5643

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

56-Ba-136



56-Ba-136

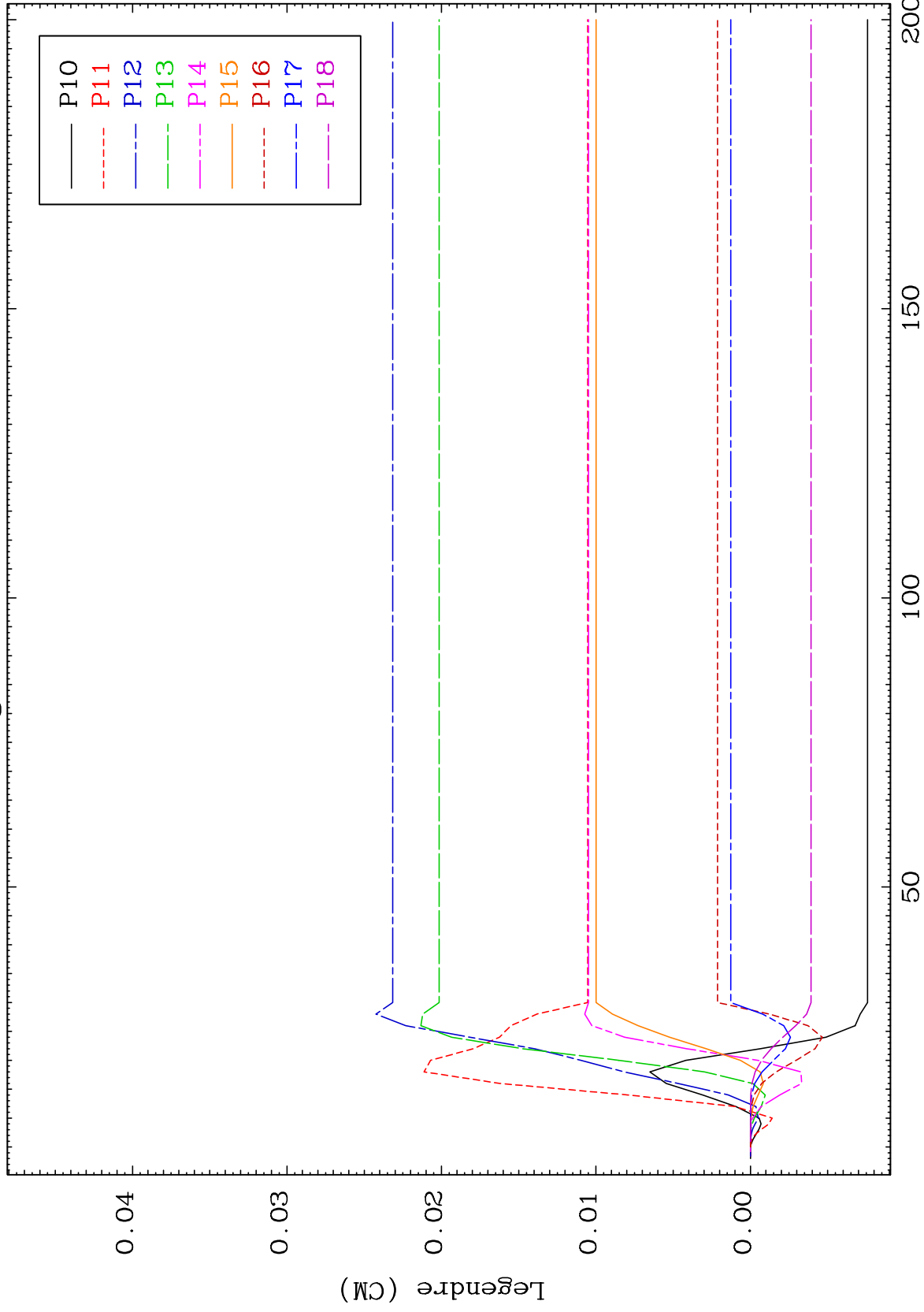
Incident Energy (MeV)

112

MAT 5643

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

56-Ba-136



113

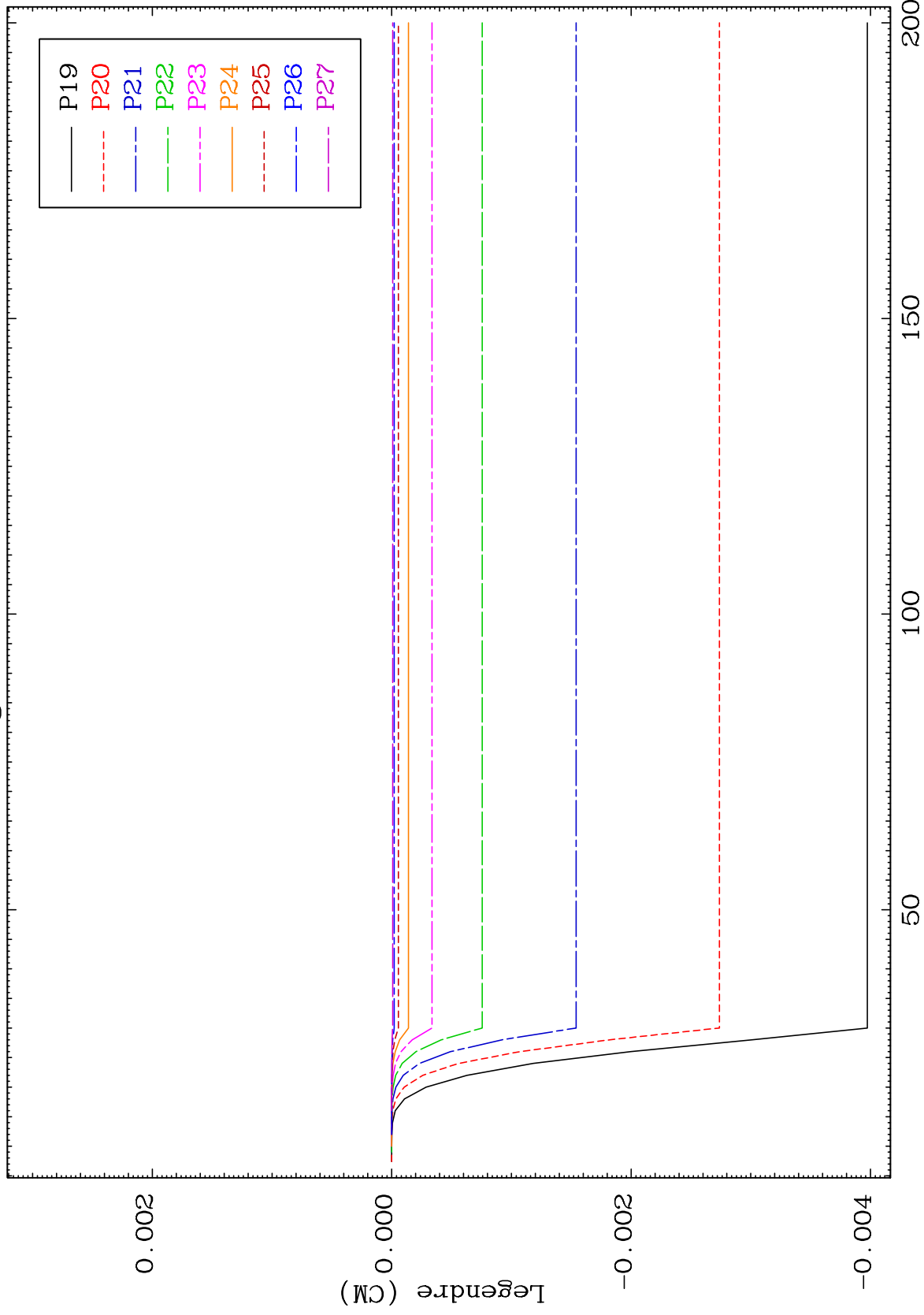
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



114

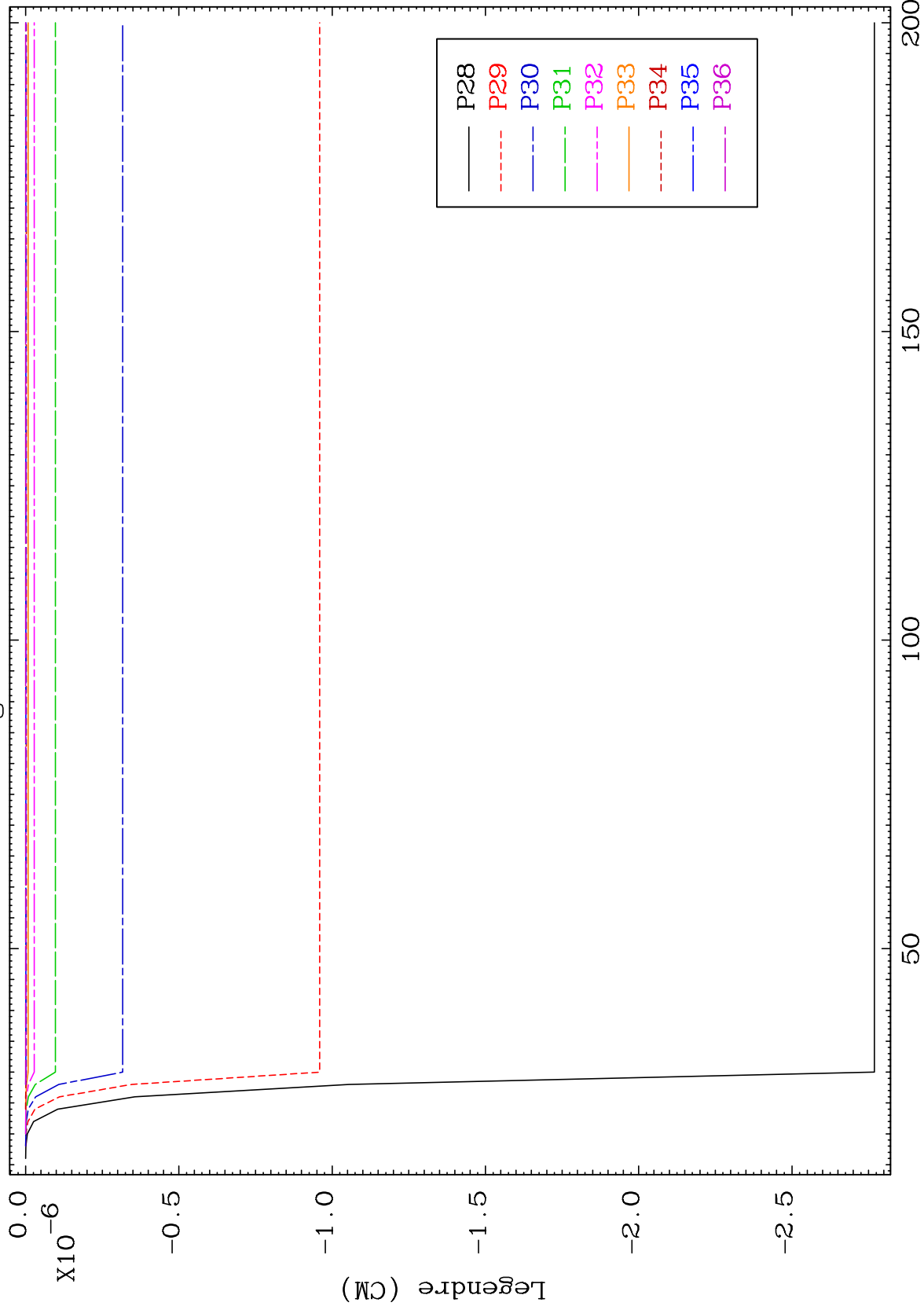
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



115

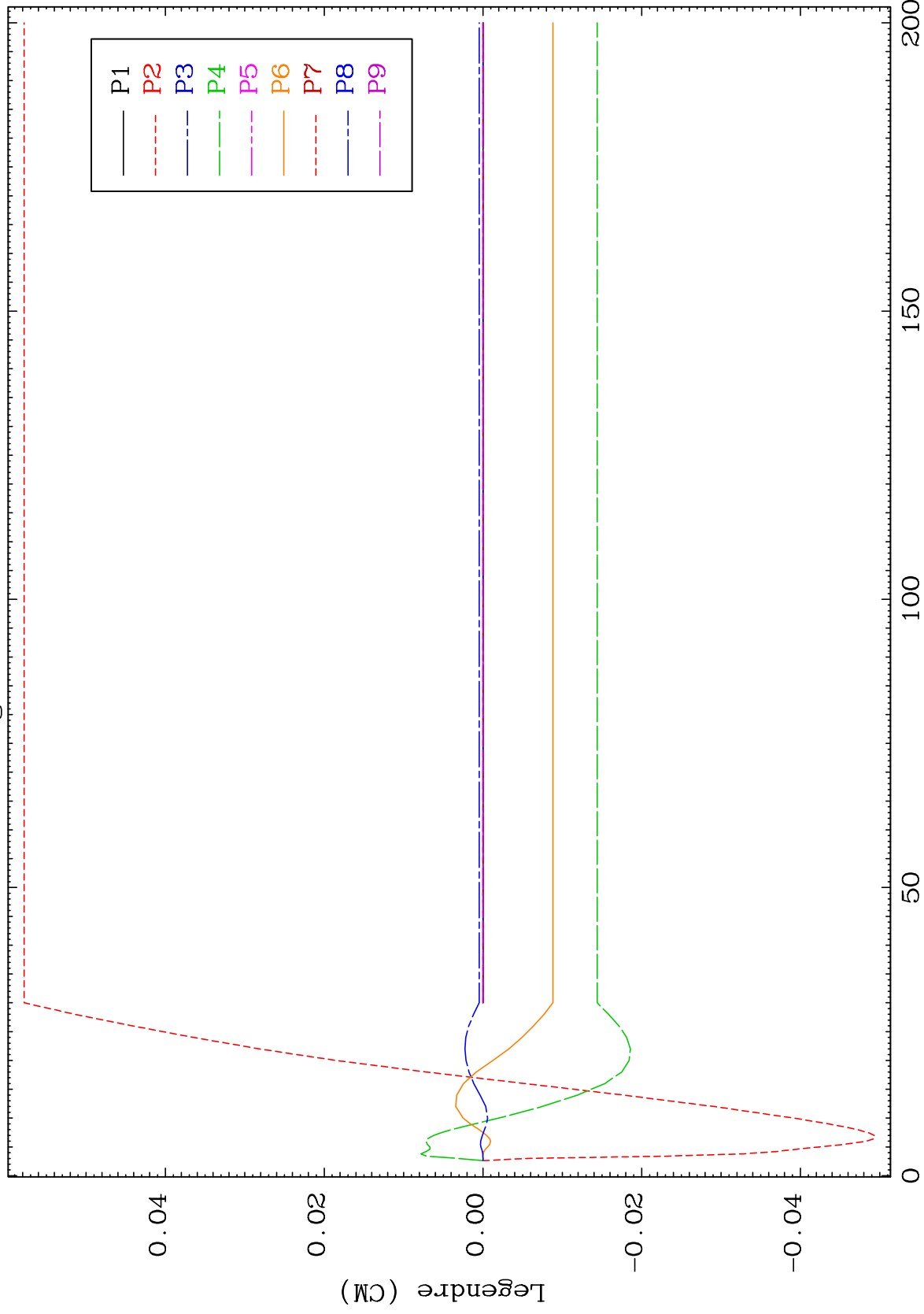
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

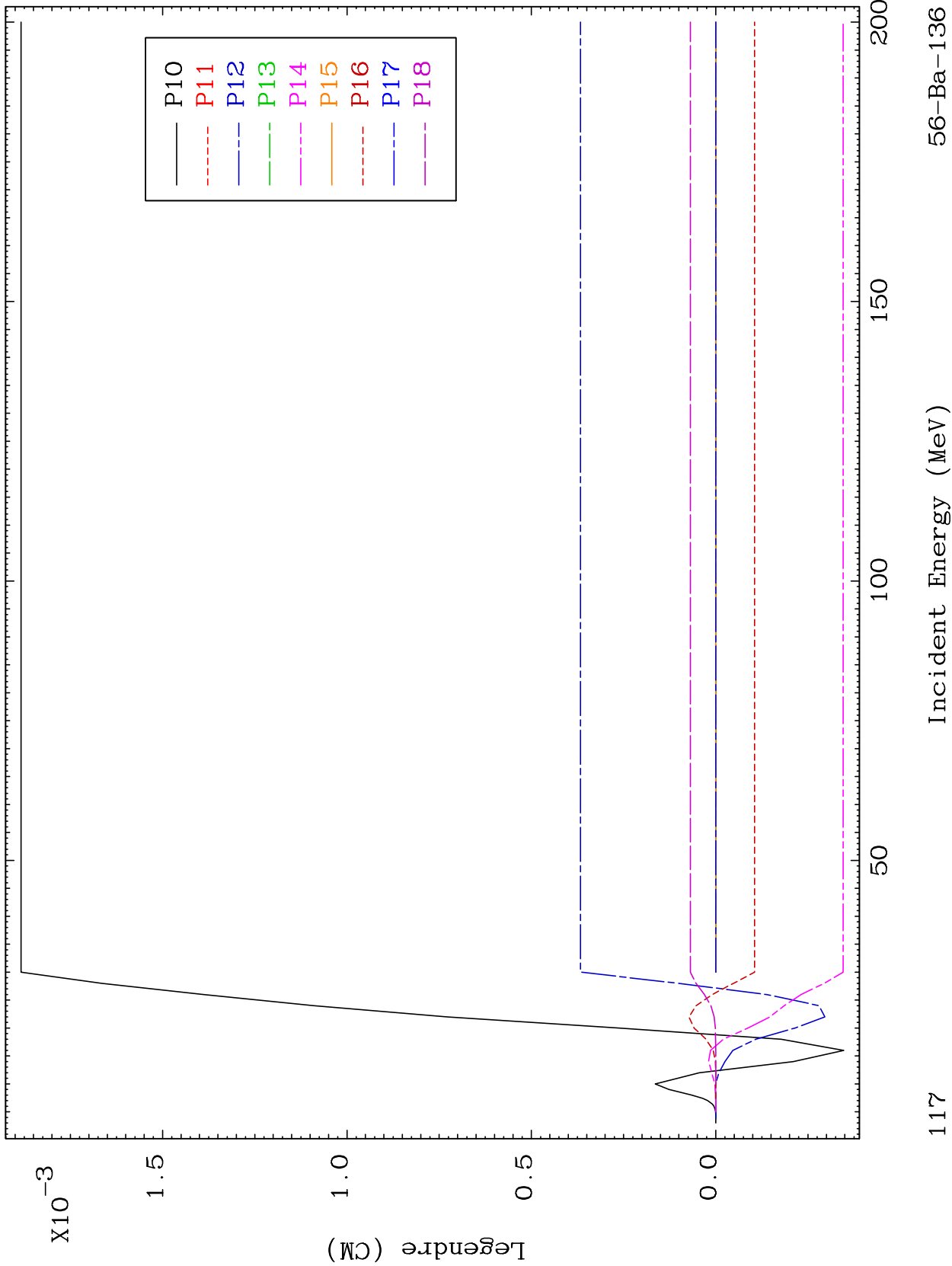
56-Ba-136



56-Ba-136

Incident Energy (MeV)

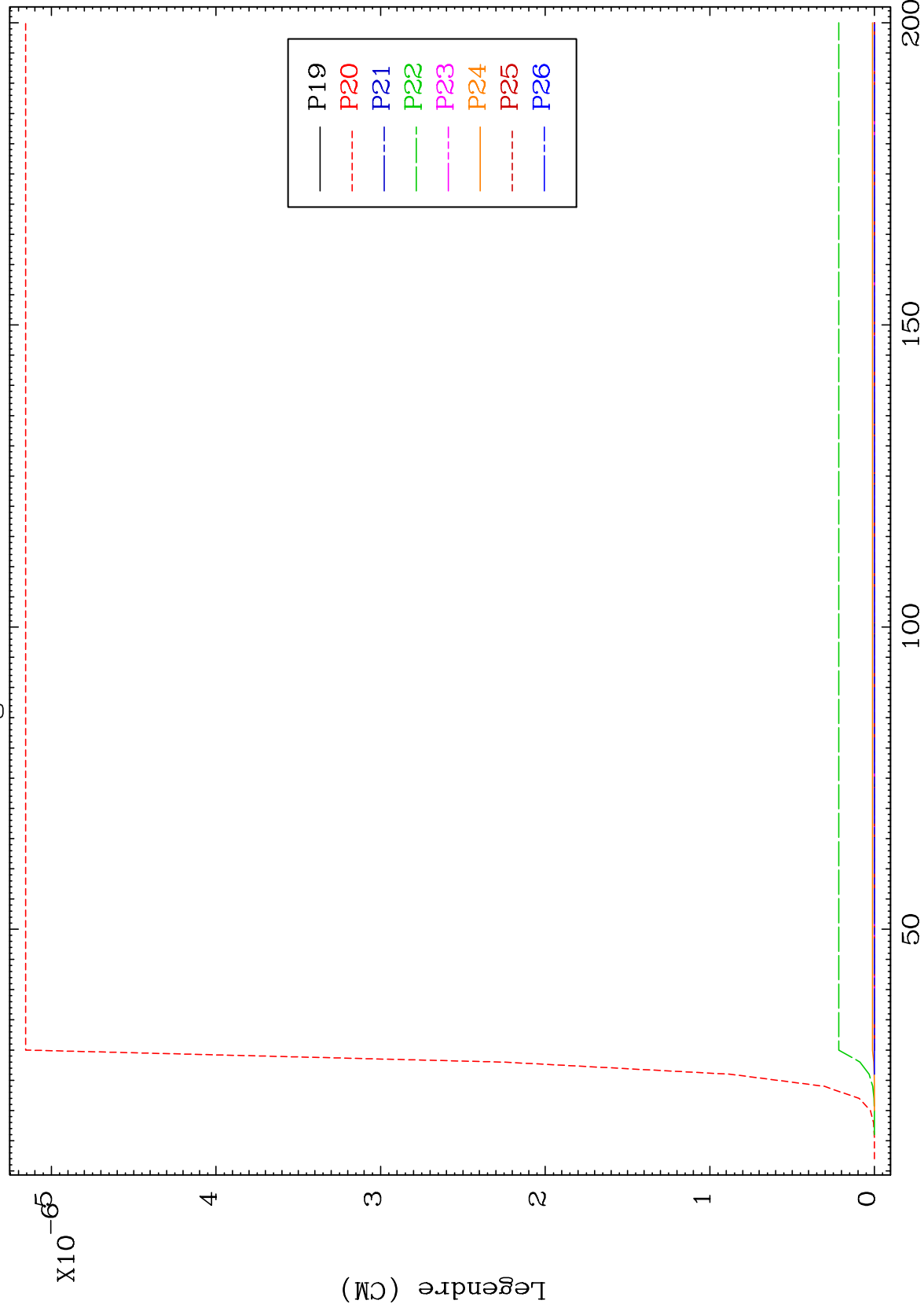
116



MAT 5643

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

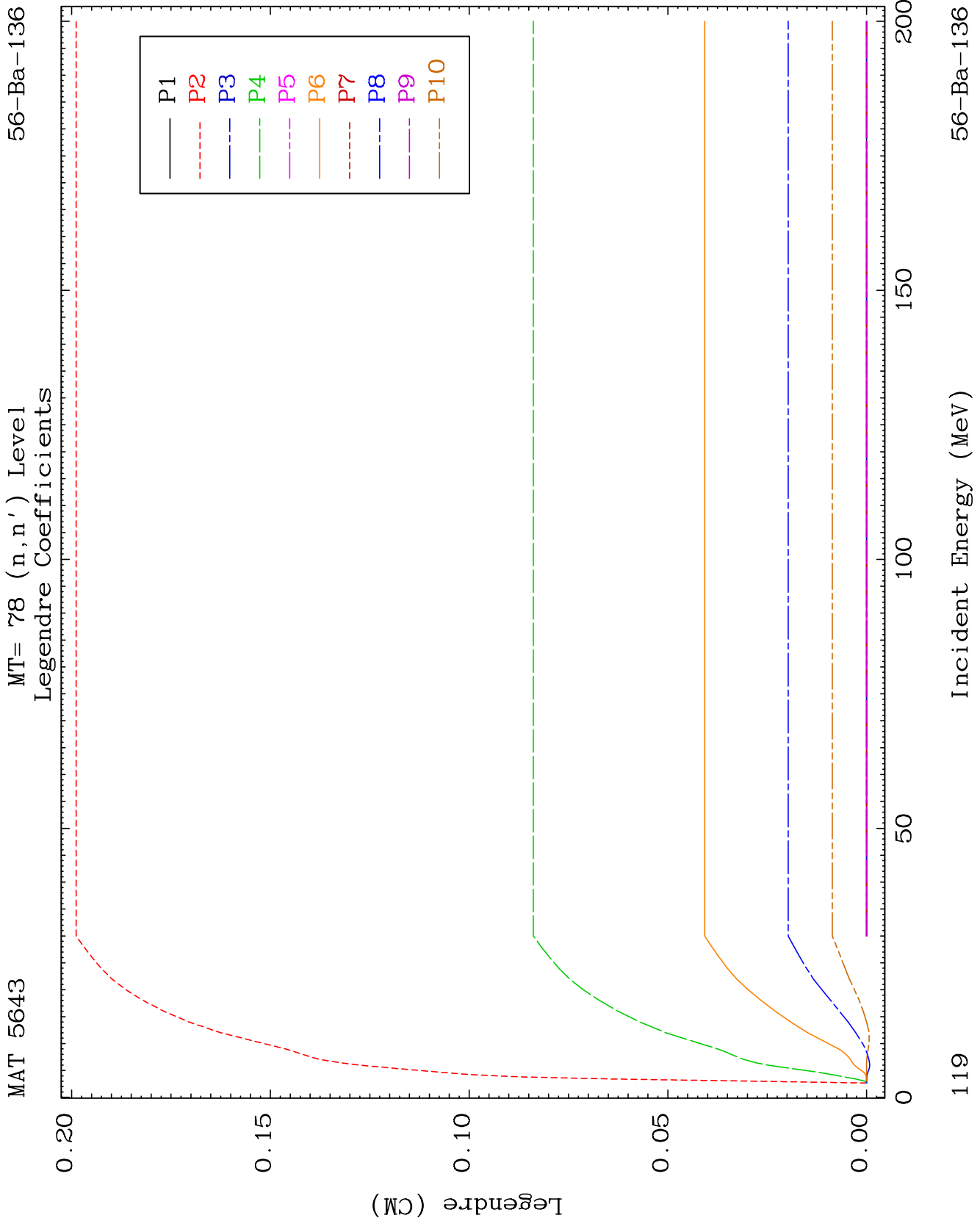
56-Ba-136



118

Incident Energy (MeV)

56-Ba-136



56-Ba-136

Incident Energy (MeV)

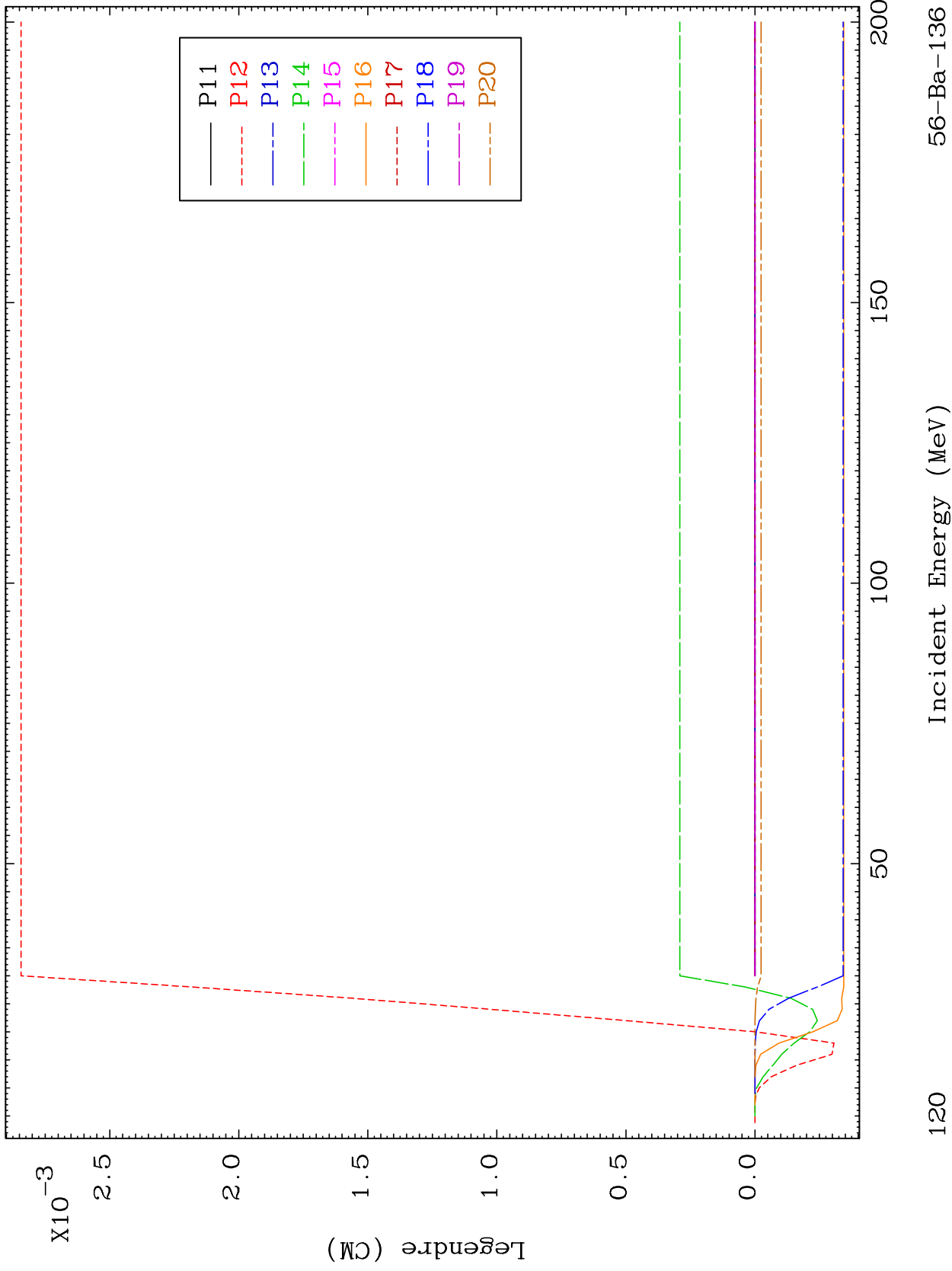
119

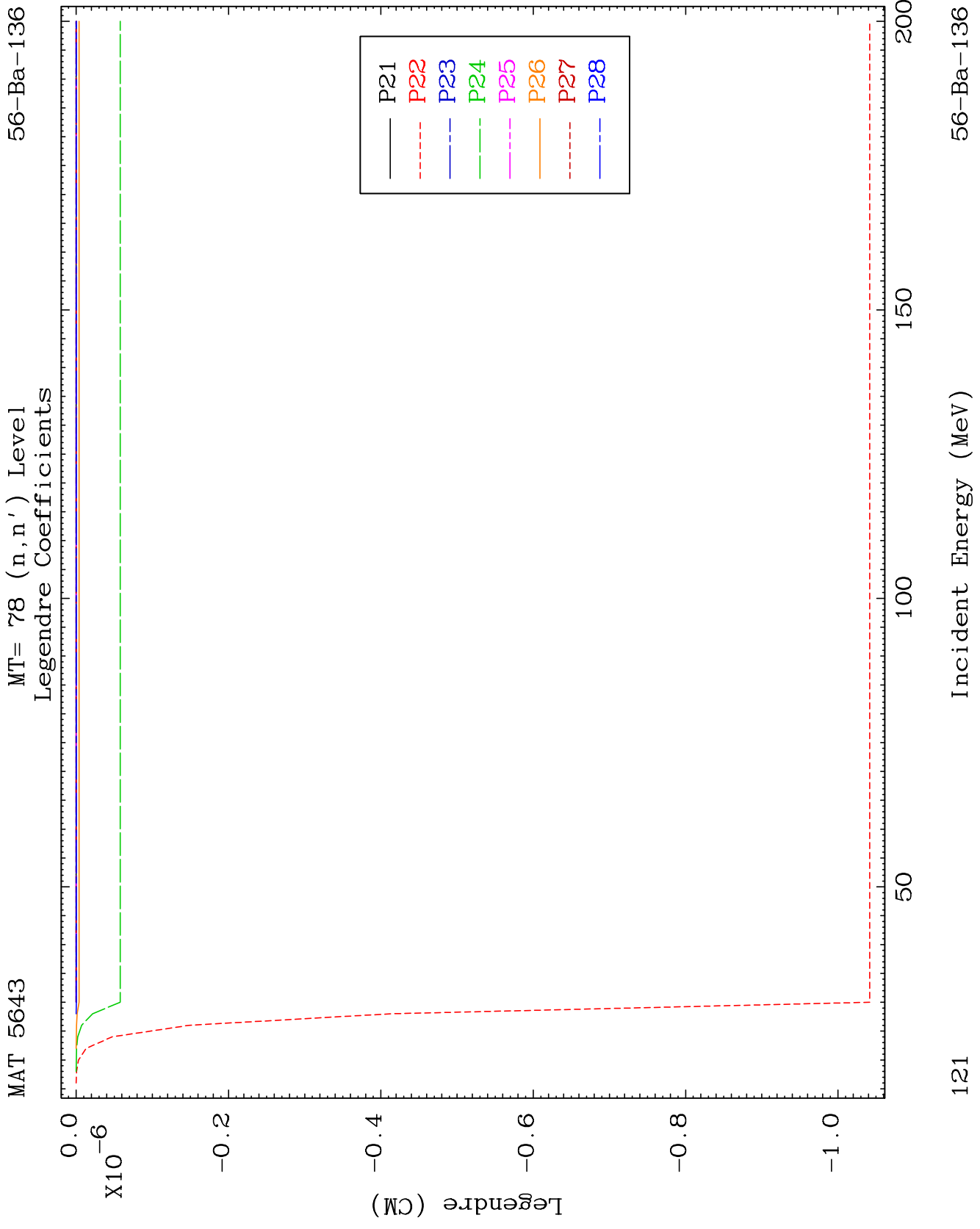


MAT 5643

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

56-Ba-136

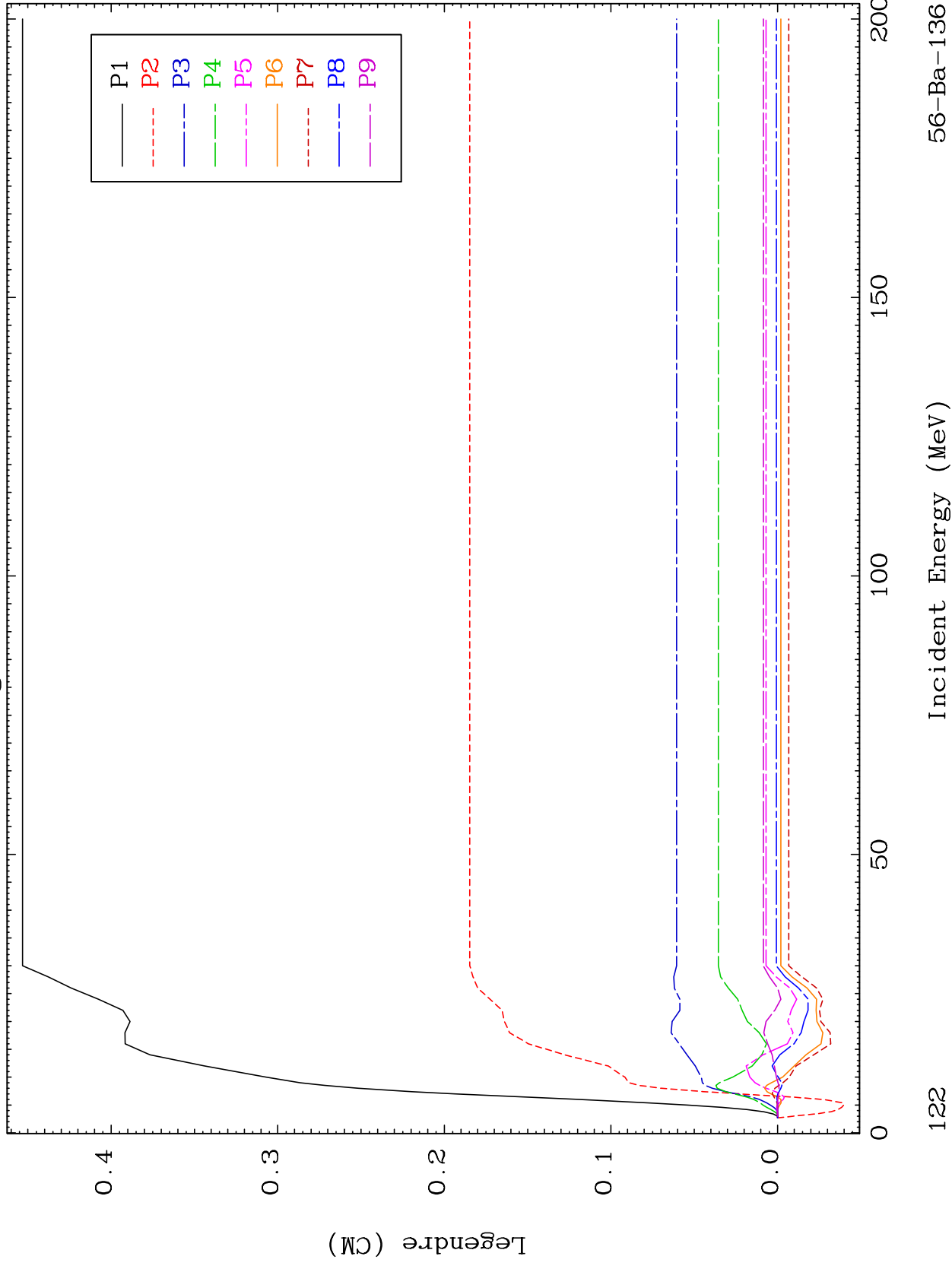




MAT 5643

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

56-Ba-136



56-Ba-136

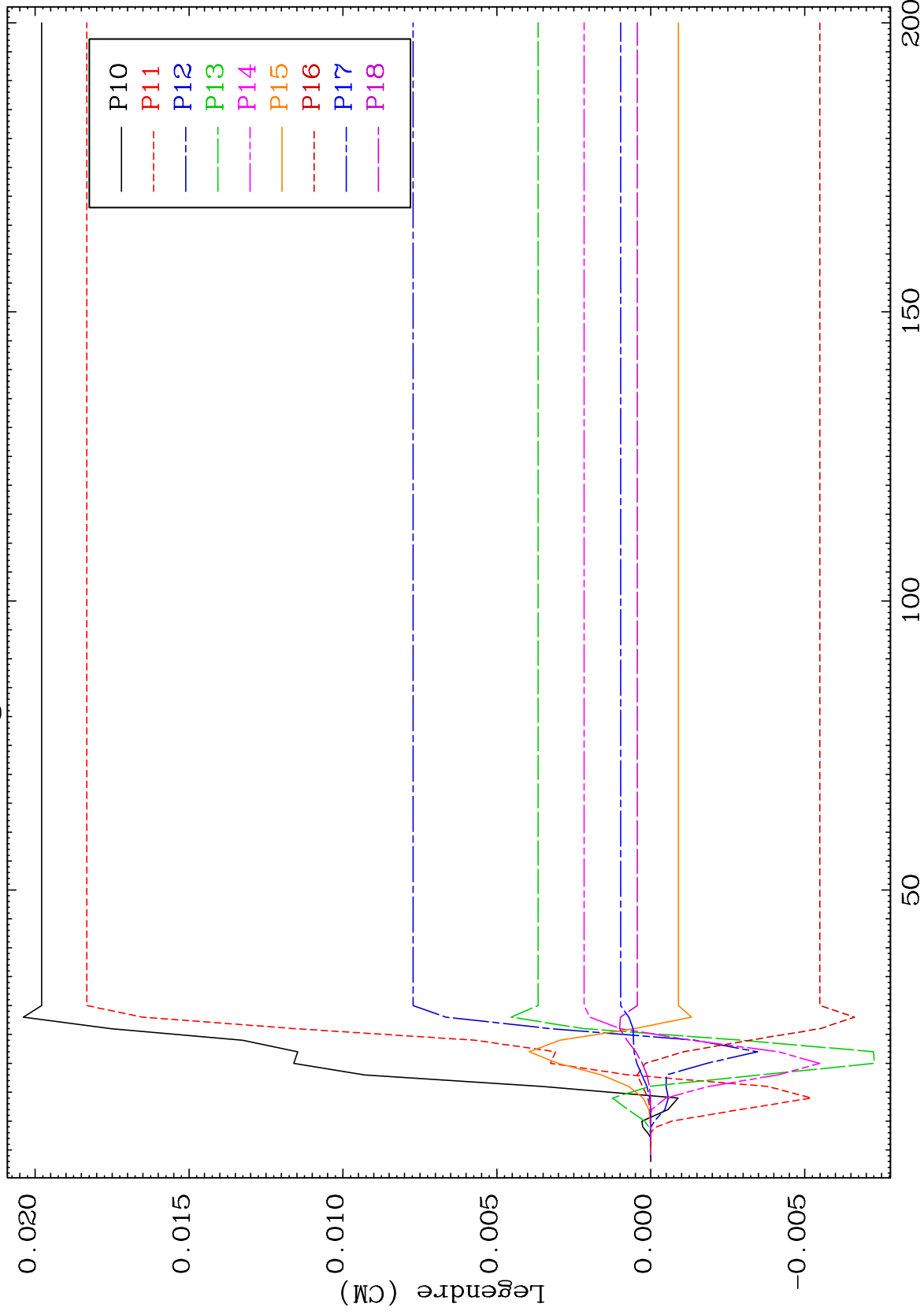
Incident Energy (MeV)

122

MAT 5643

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

56-Ba-136



123

Incident Energy (MeV)

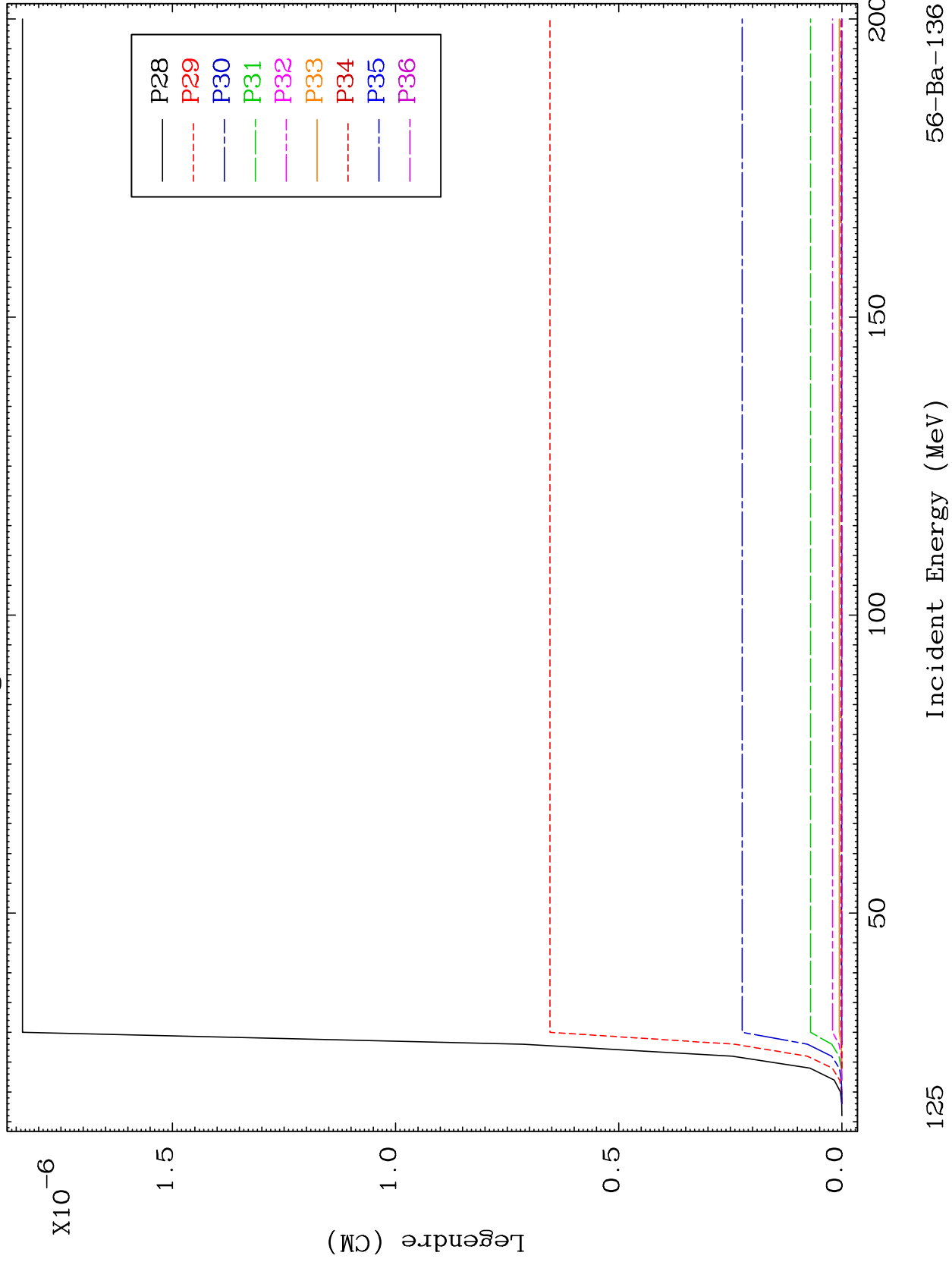
56-Ba-136



MAT 5643

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

56-Ba-136

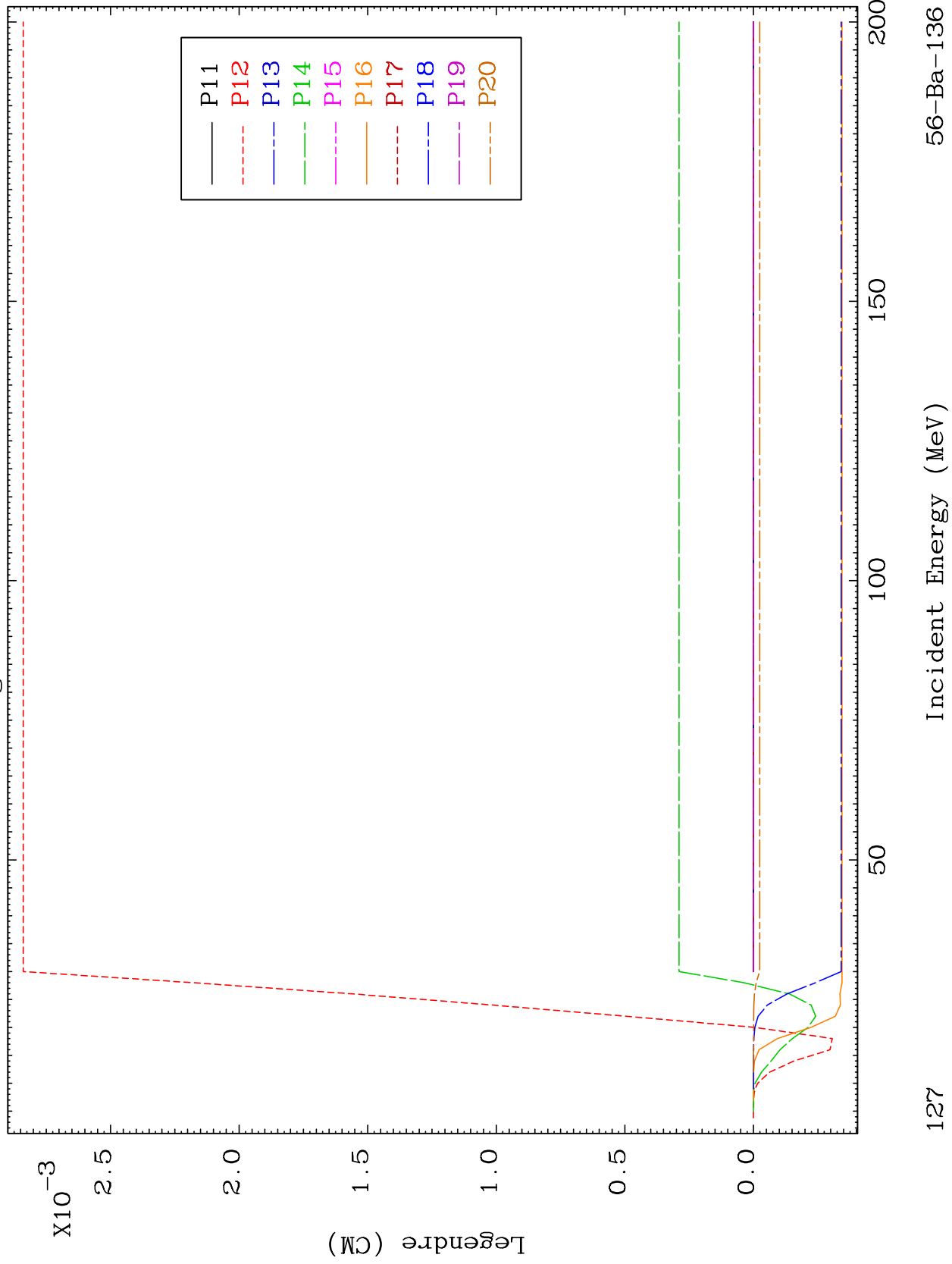




MAT 5643

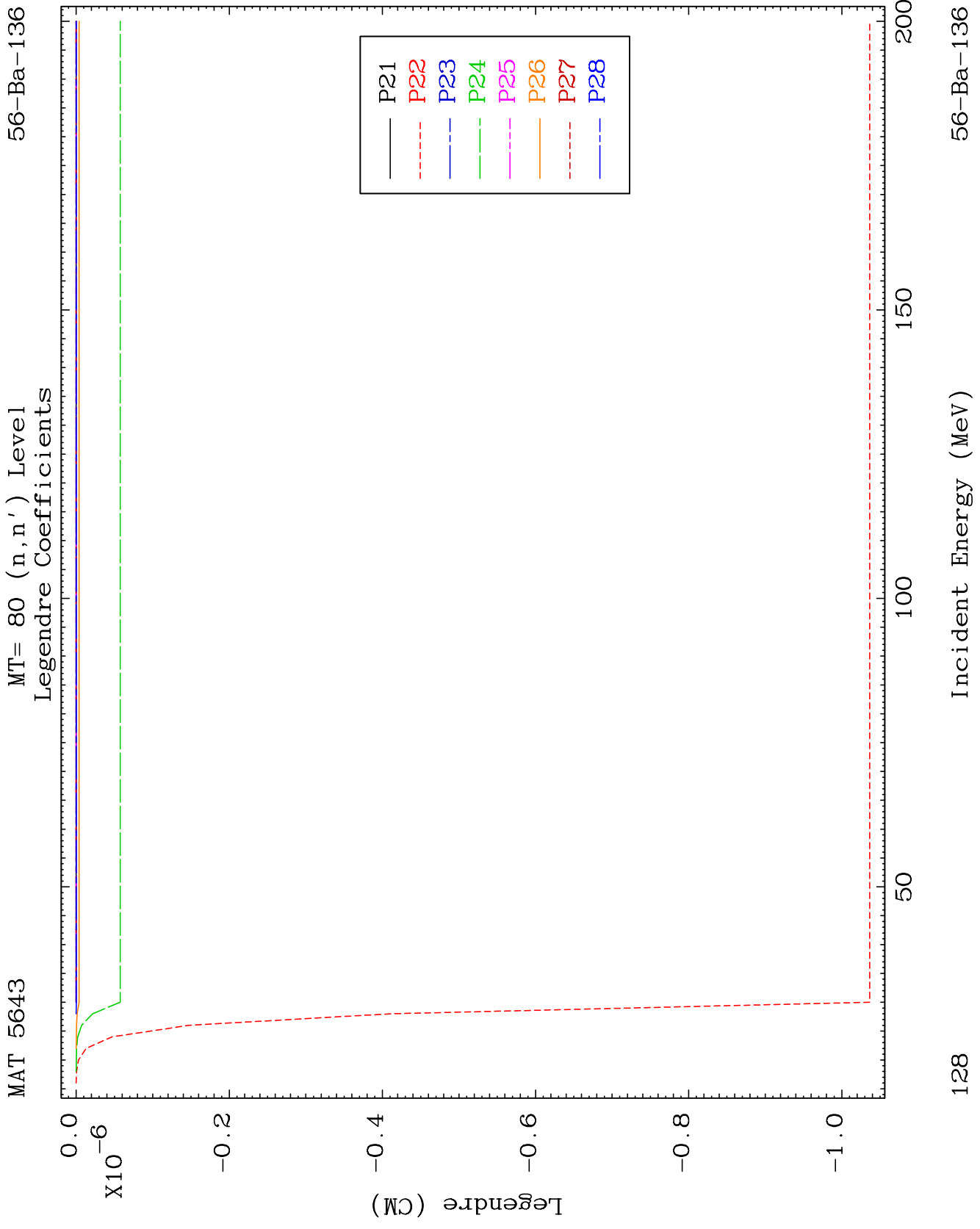
MT= 80 (n,n') Level  
Legendre Coefficients

56-Ba-136



127

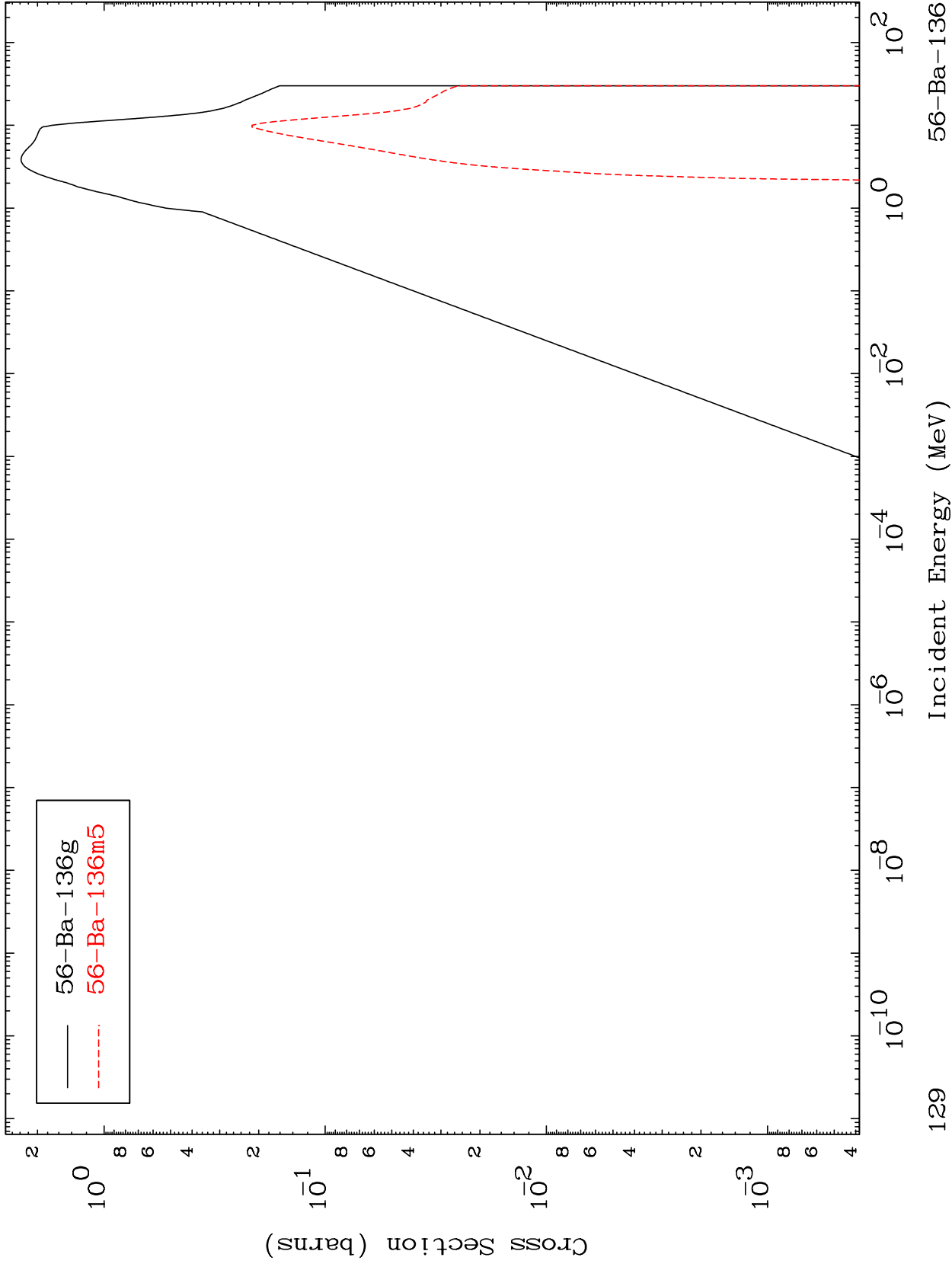




MAT 5643

Inelastic  
Radionuclide Production Cross Section

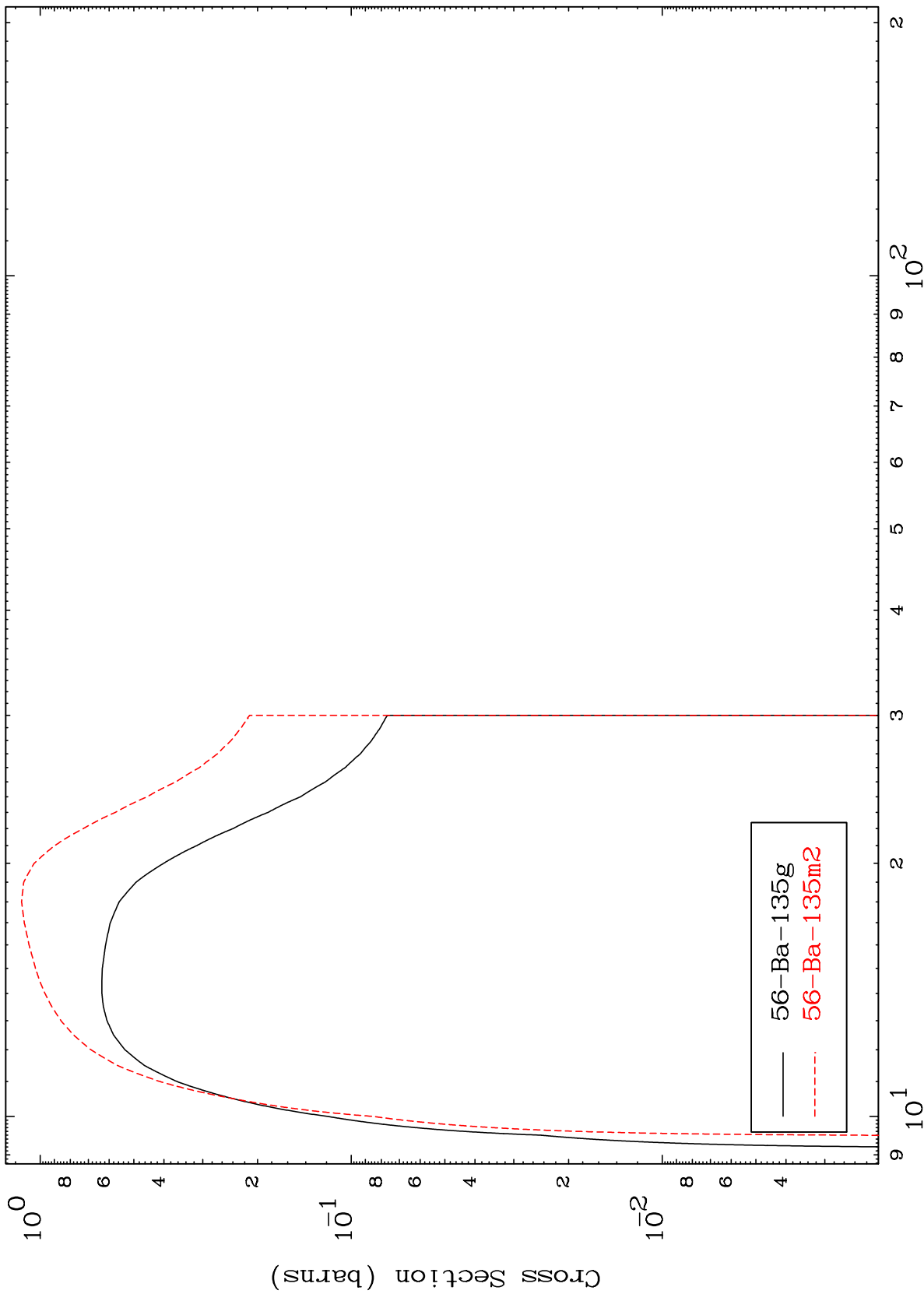
56-Ba-136



MAT 5643

56-Ba-136

(n,2n)  
Radionuclide Production Cross Section



56-Ba-136

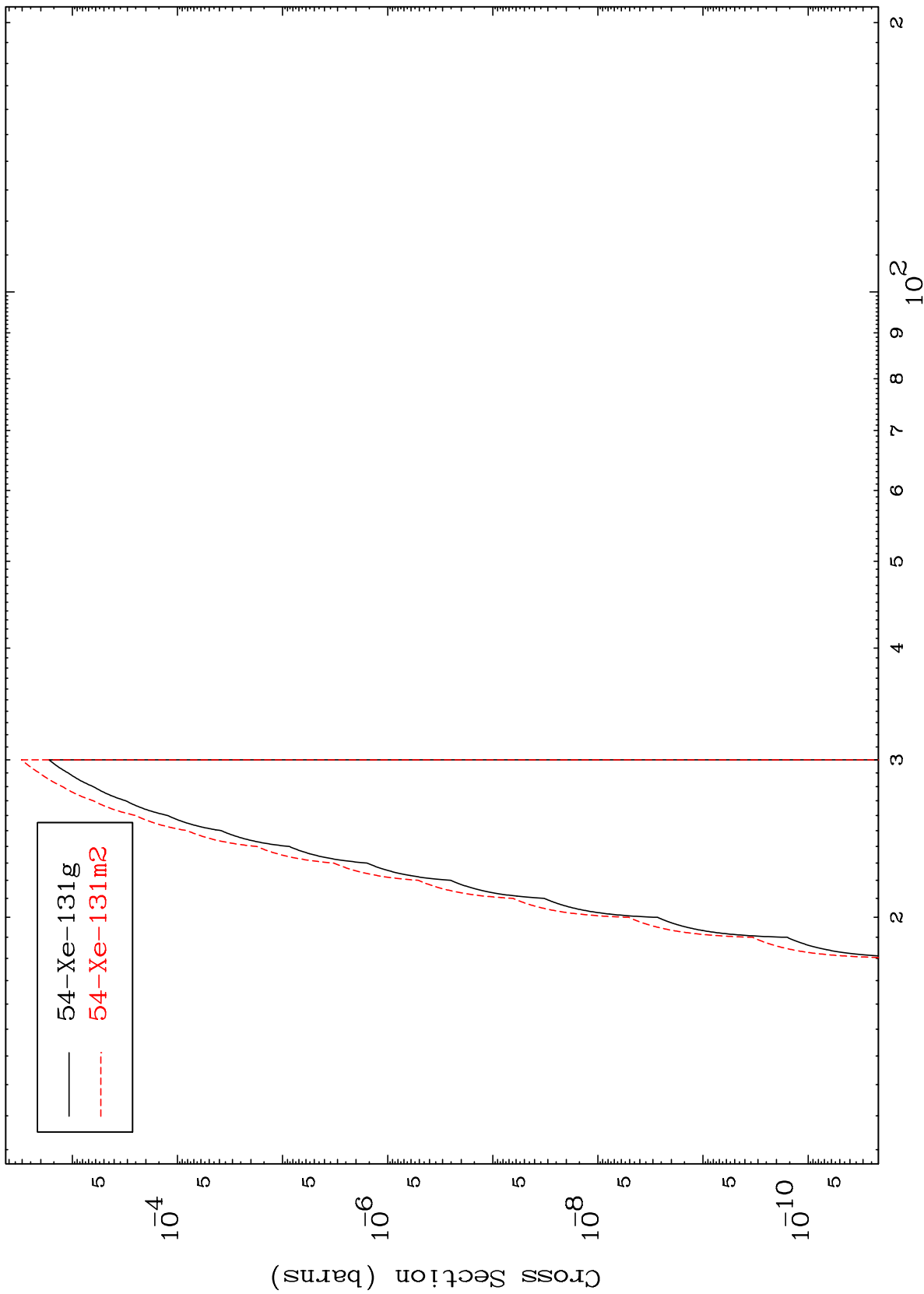
Incident Energy (MeV)

130

MAT 5643

56-Ba-136

(n,2n)  $\alpha$   
Radionuclide Production Cross Section



131

Incident Energy (MeV)

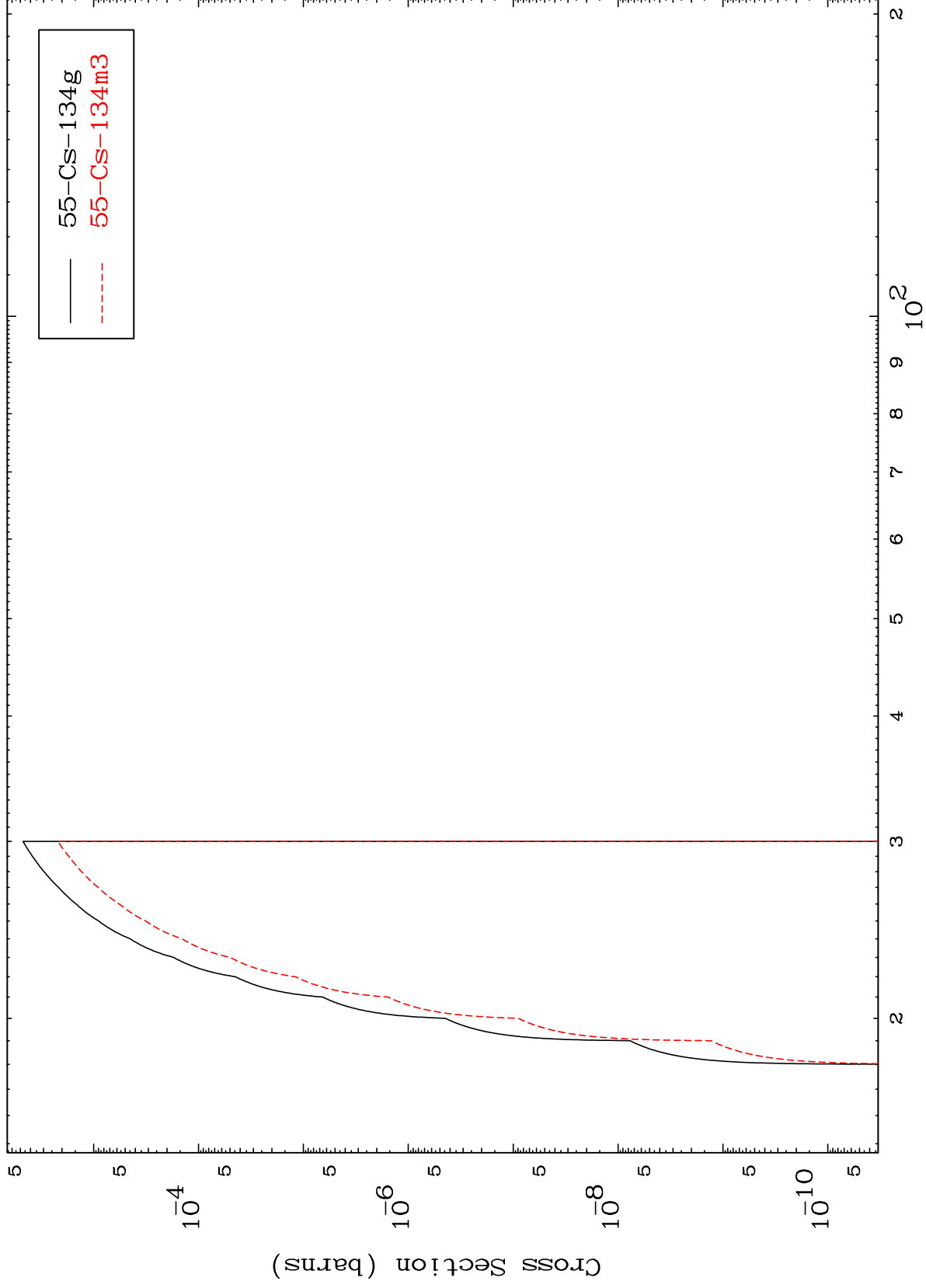
56-Ba-136

MAT 5643

(n,n') d

56-Ba-136

Radionuclide Production Cross Section



132

Incident Energy (MeV)

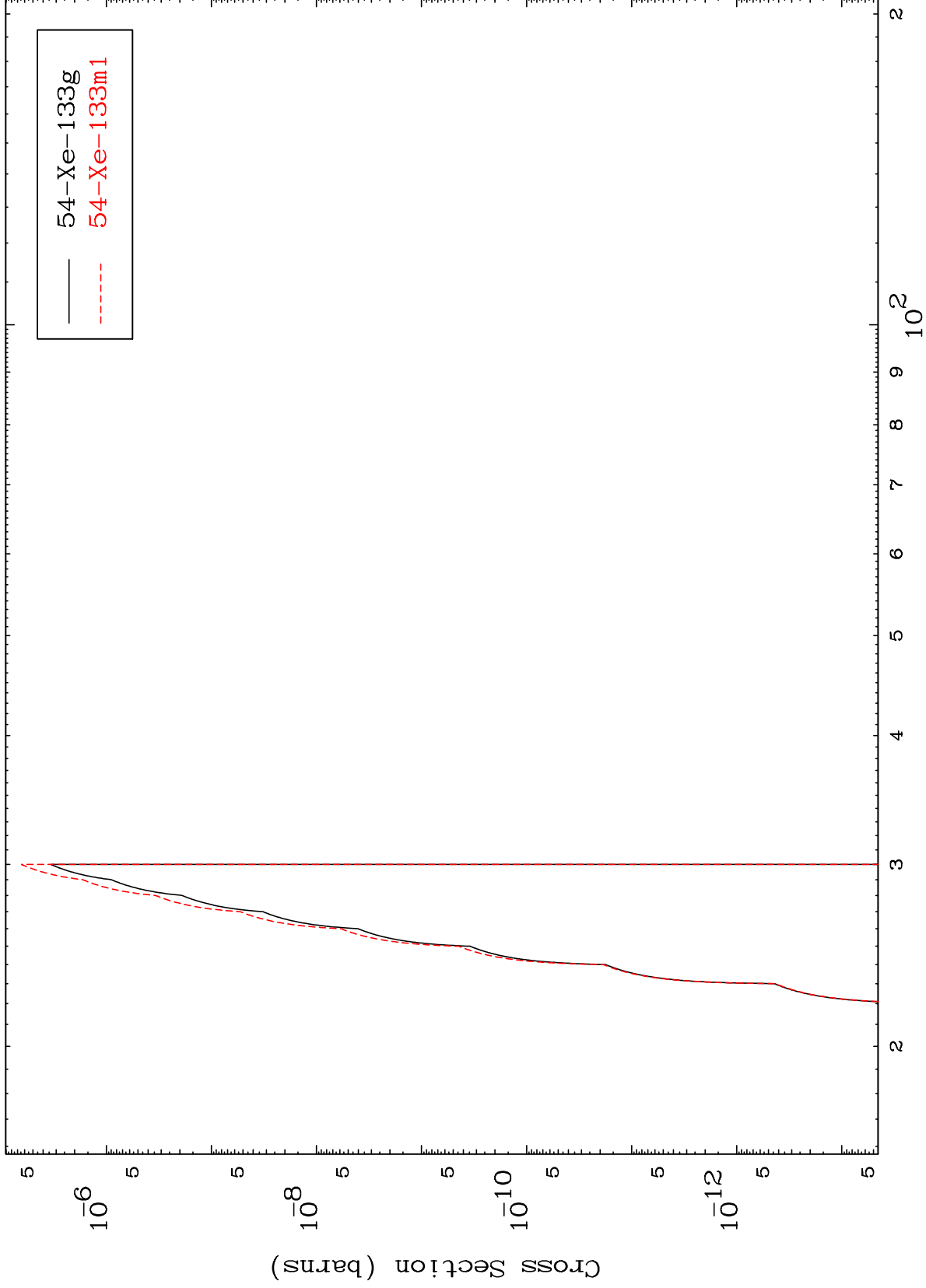
56-Ba-136

MAT 5643

(n,n') He-3

56-Ba-136

Radionuclide Production Cross Section



133

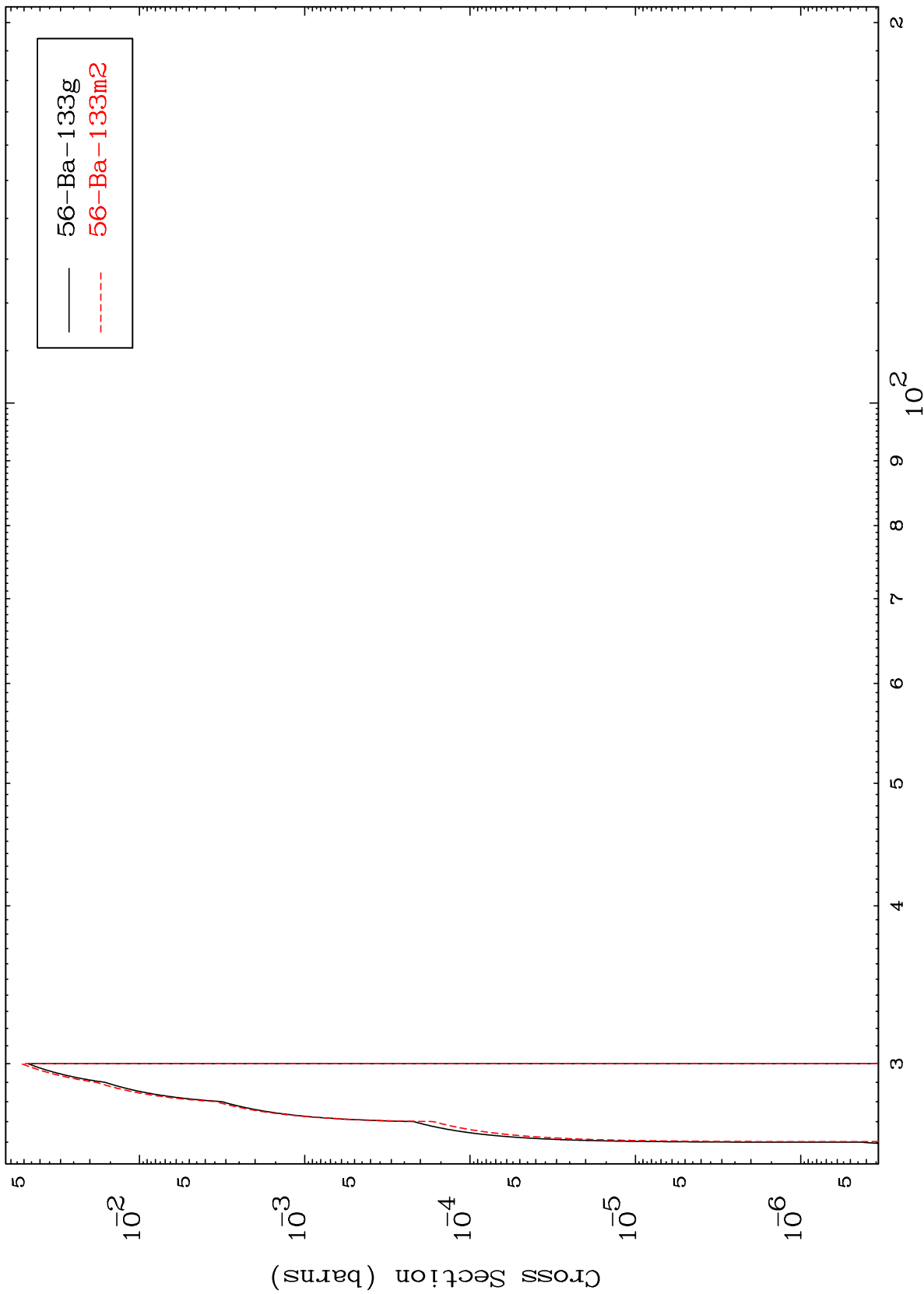
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

(n,4n)  
Radionuclide Production Cross Section



134

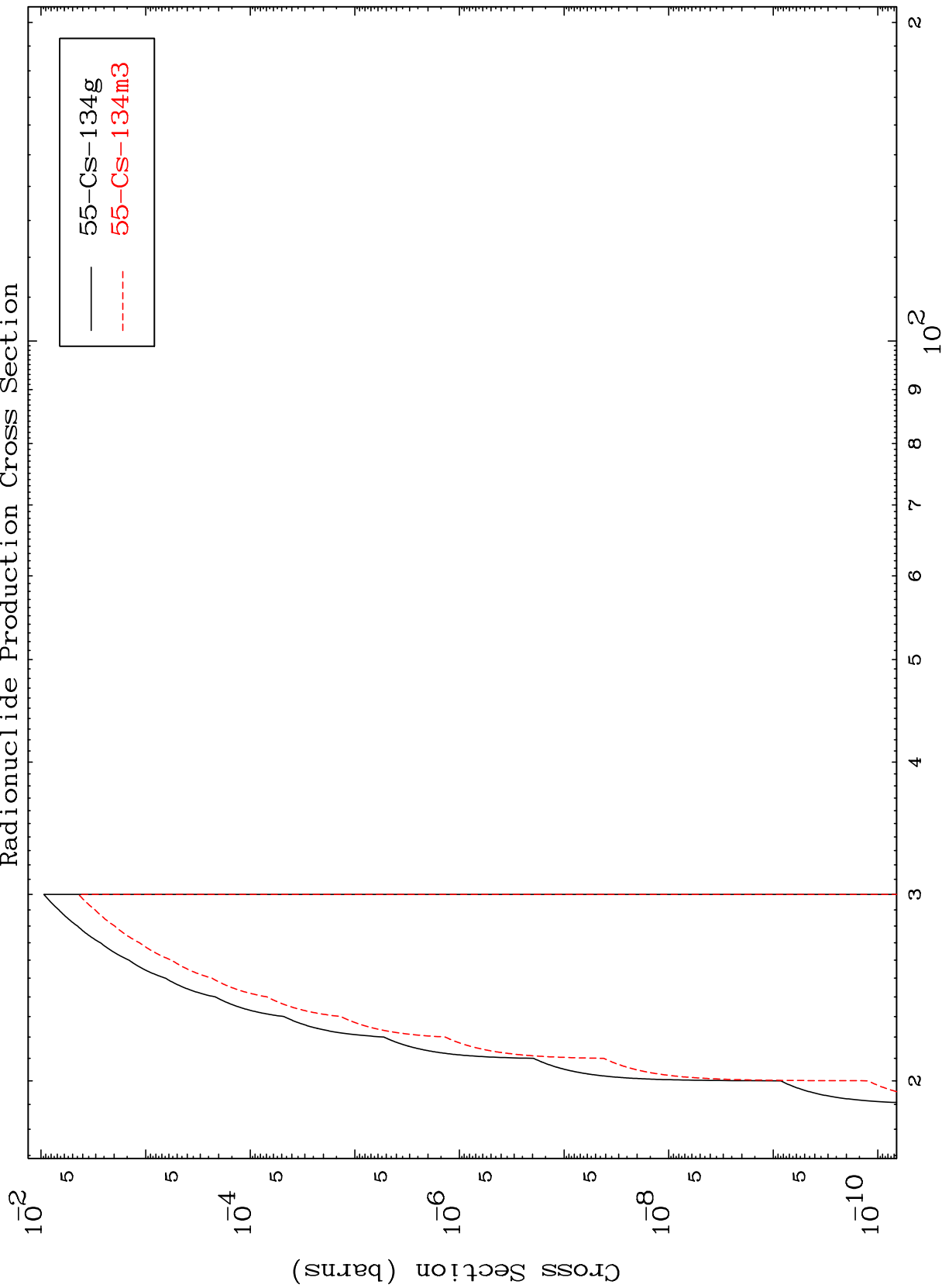
56-Ba-136

Incident Energy (MeV)

MAT 5643

56-Ba-136

(n,2n) p  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

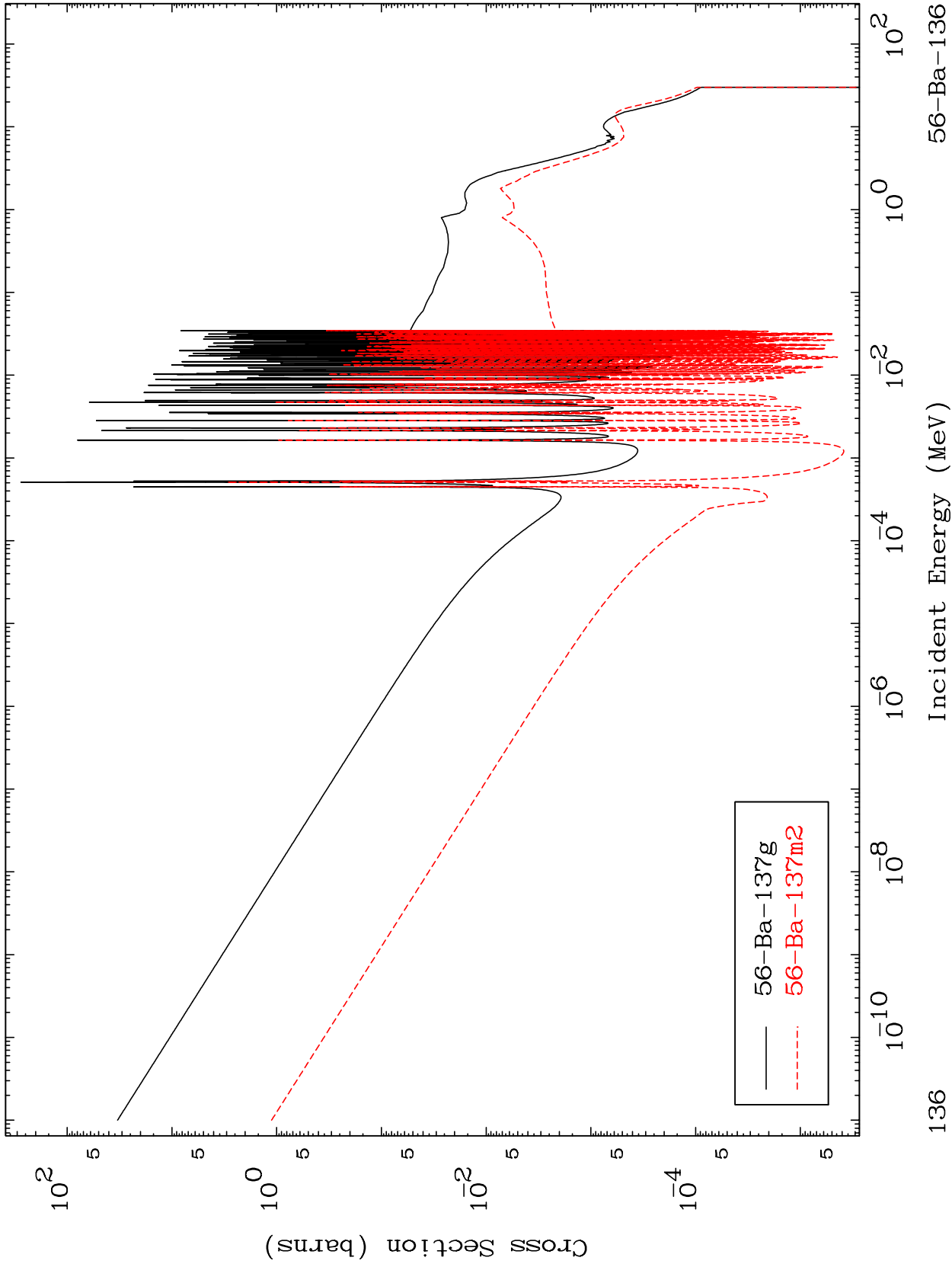
56-Ba-136



MAT 5643

56-Ba-136

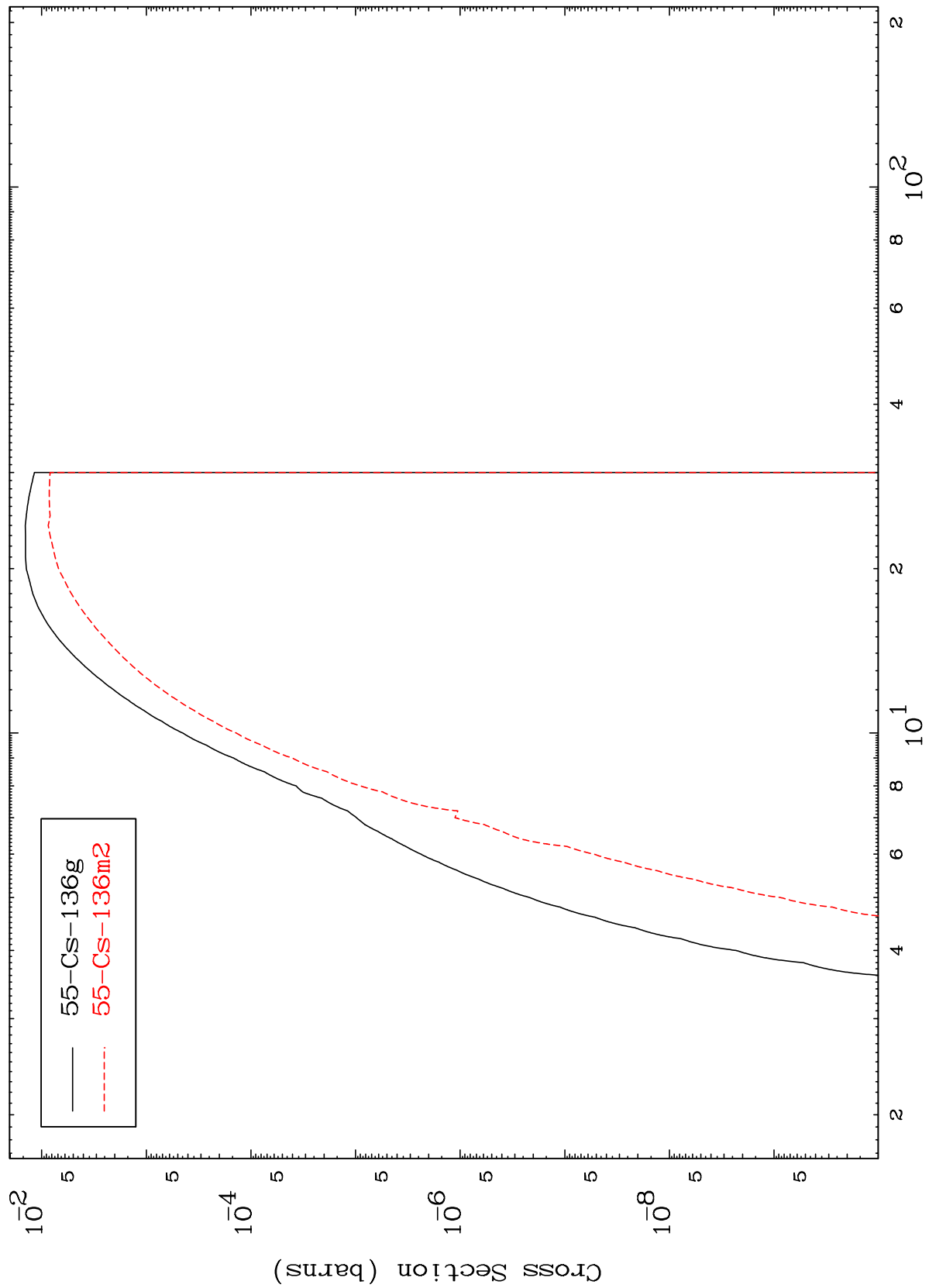
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 5643

56-Ba-136

(n,p)  
Radionuclide Production Cross Section



137

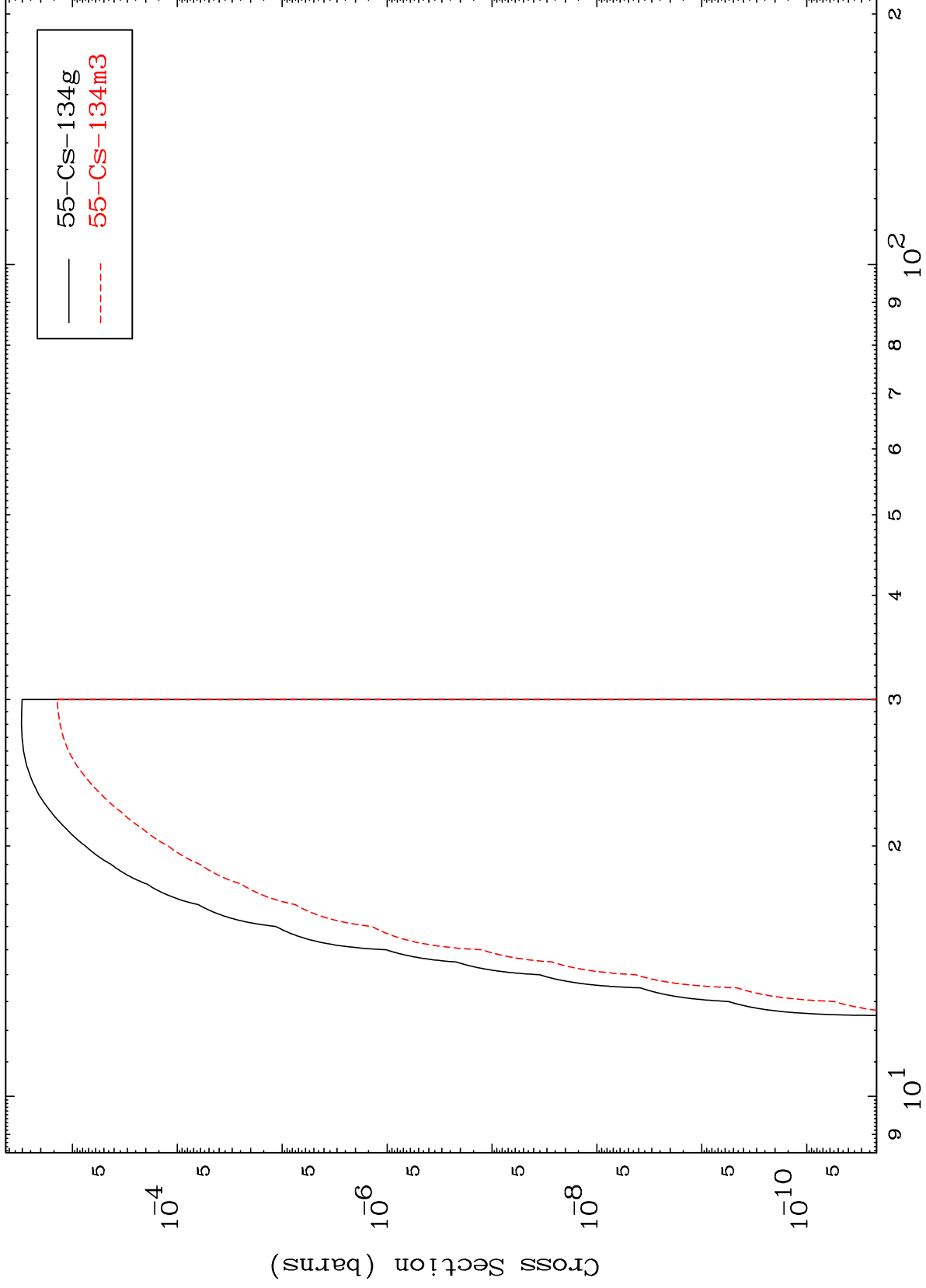
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

(n,t)  
Radionuclide Production Cross Section



56-Ba-136

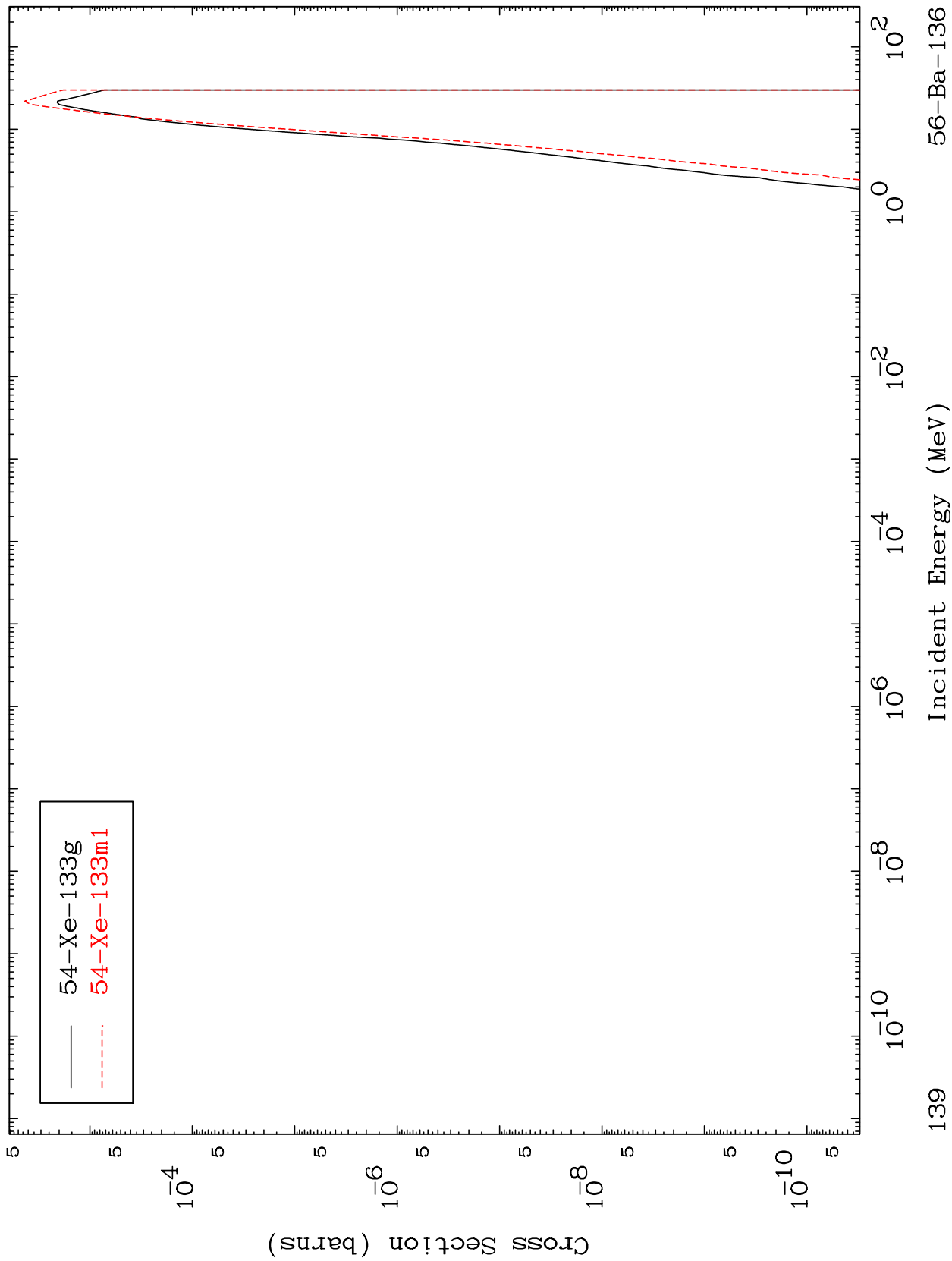
Incident Energy (MeV)

138

MAT 5643

56-Ba-136

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

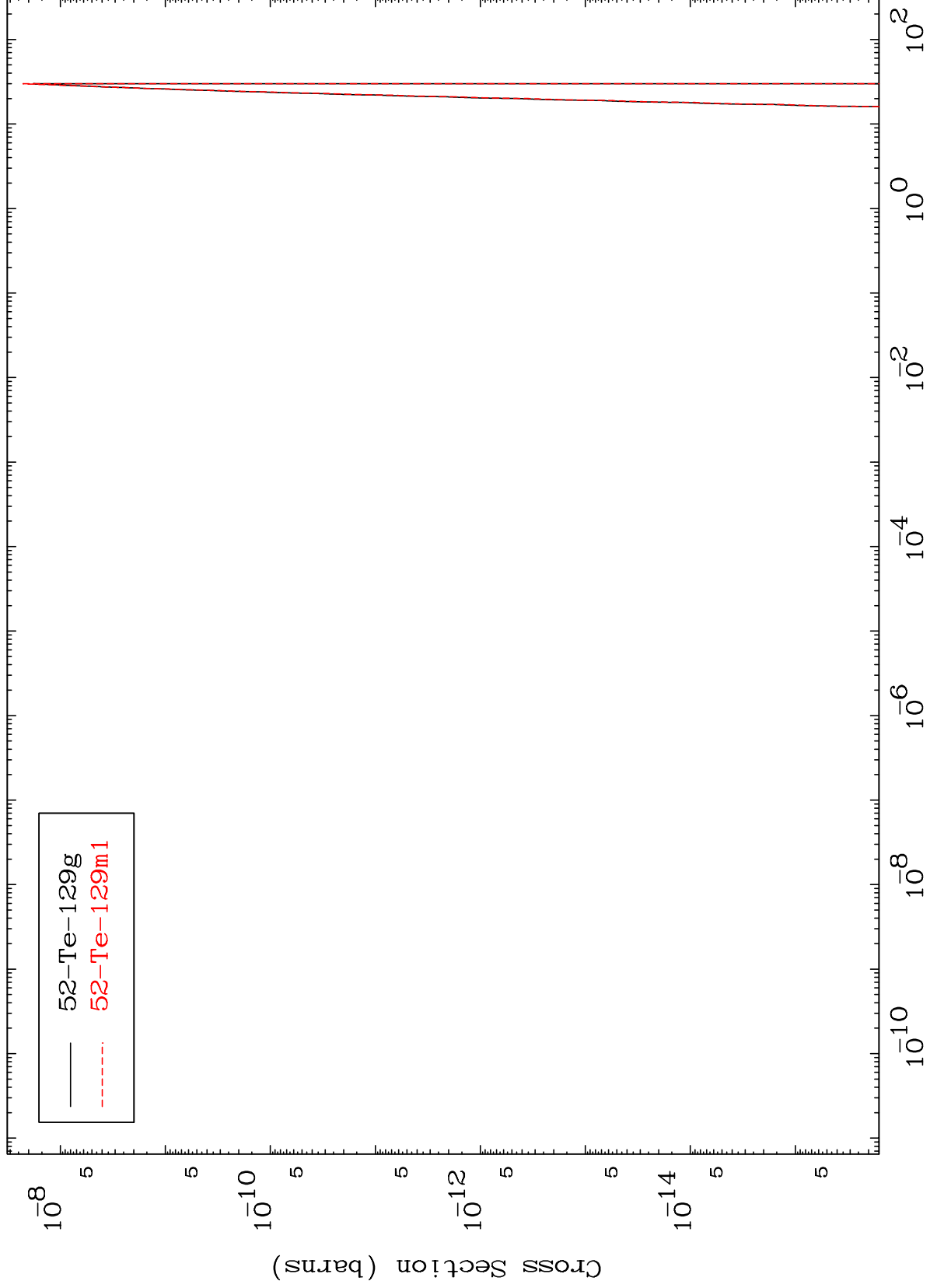


MAT 5643

(n,2α)

56-Ba-136

Radionuclide Production Cross Section



140

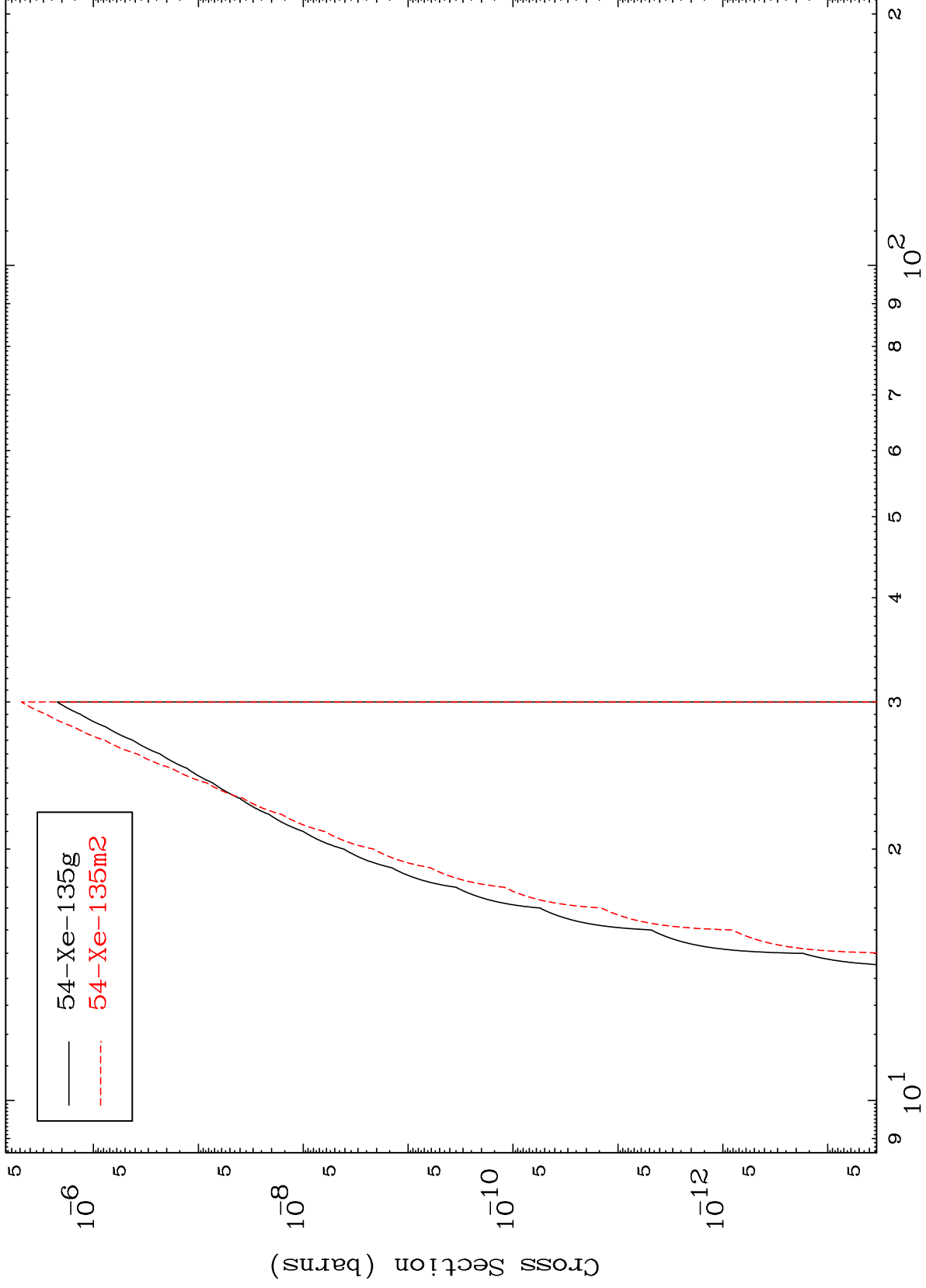
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

(n,2p)  
Radionuclide Production Cross Section



141

Incident Energy (MeV)

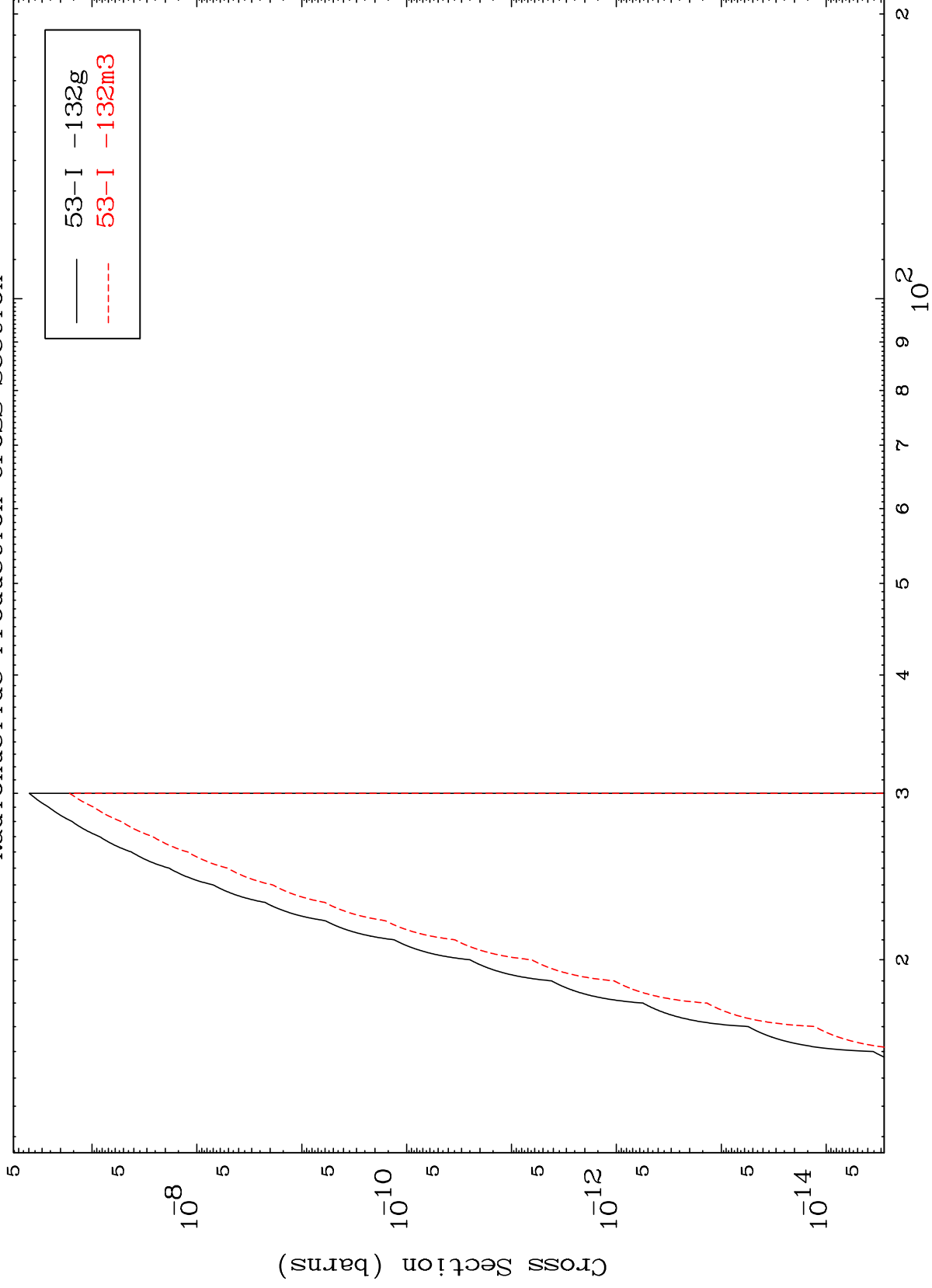
56-Ba-136

MAT 5643

(n,p)  $\alpha$

56-Ba-136

Radionuclide Production Cross Section



142

Incident Energy (MeV)

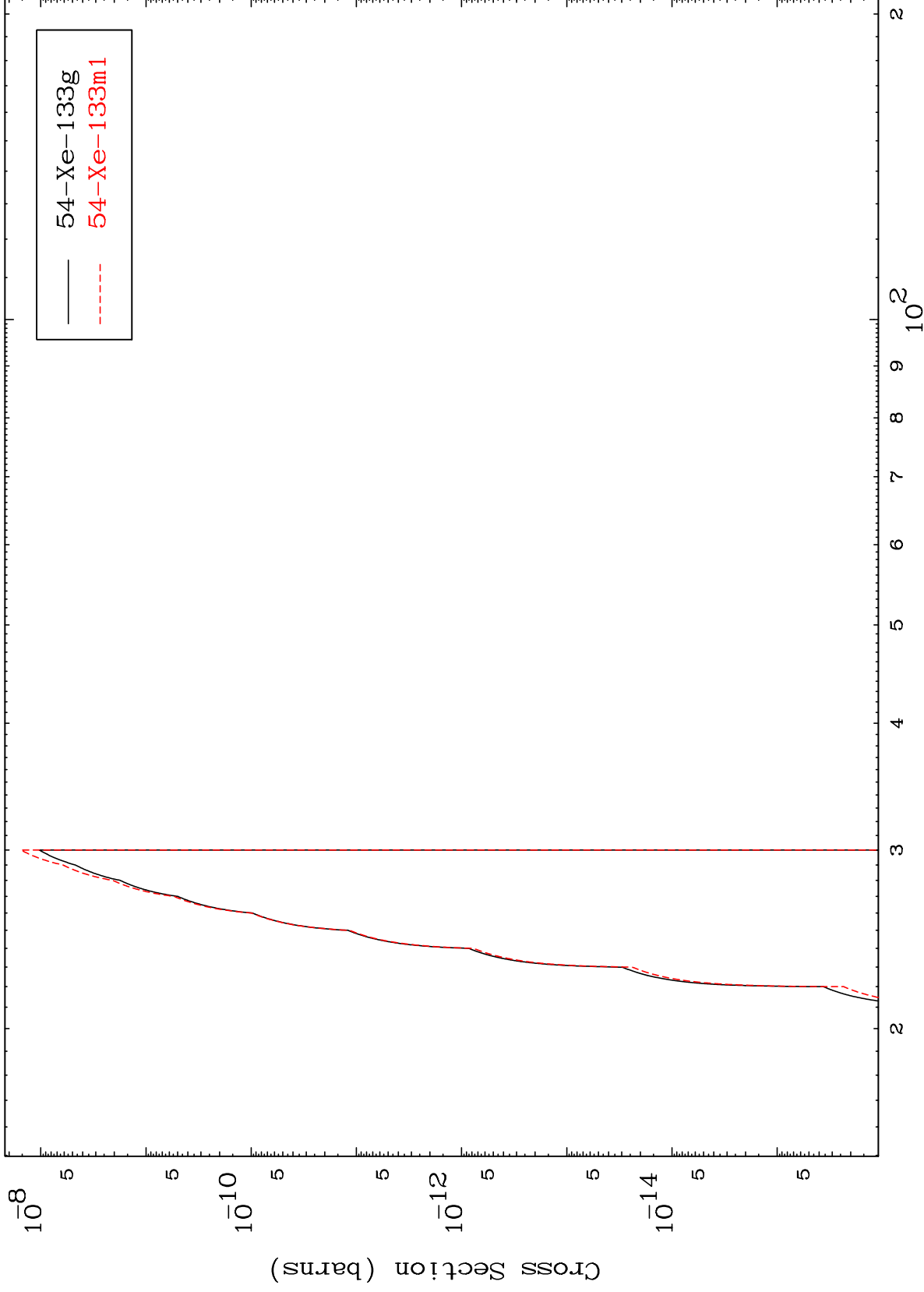
56-Ba-136

MAT 5643

(n,p) t

56-Ba-136

Radionuclide Production Cross Section



143

Incident Energy (MeV)

56-Ba-136