

Program EVALPLOT  
(Version 2021-1)

by

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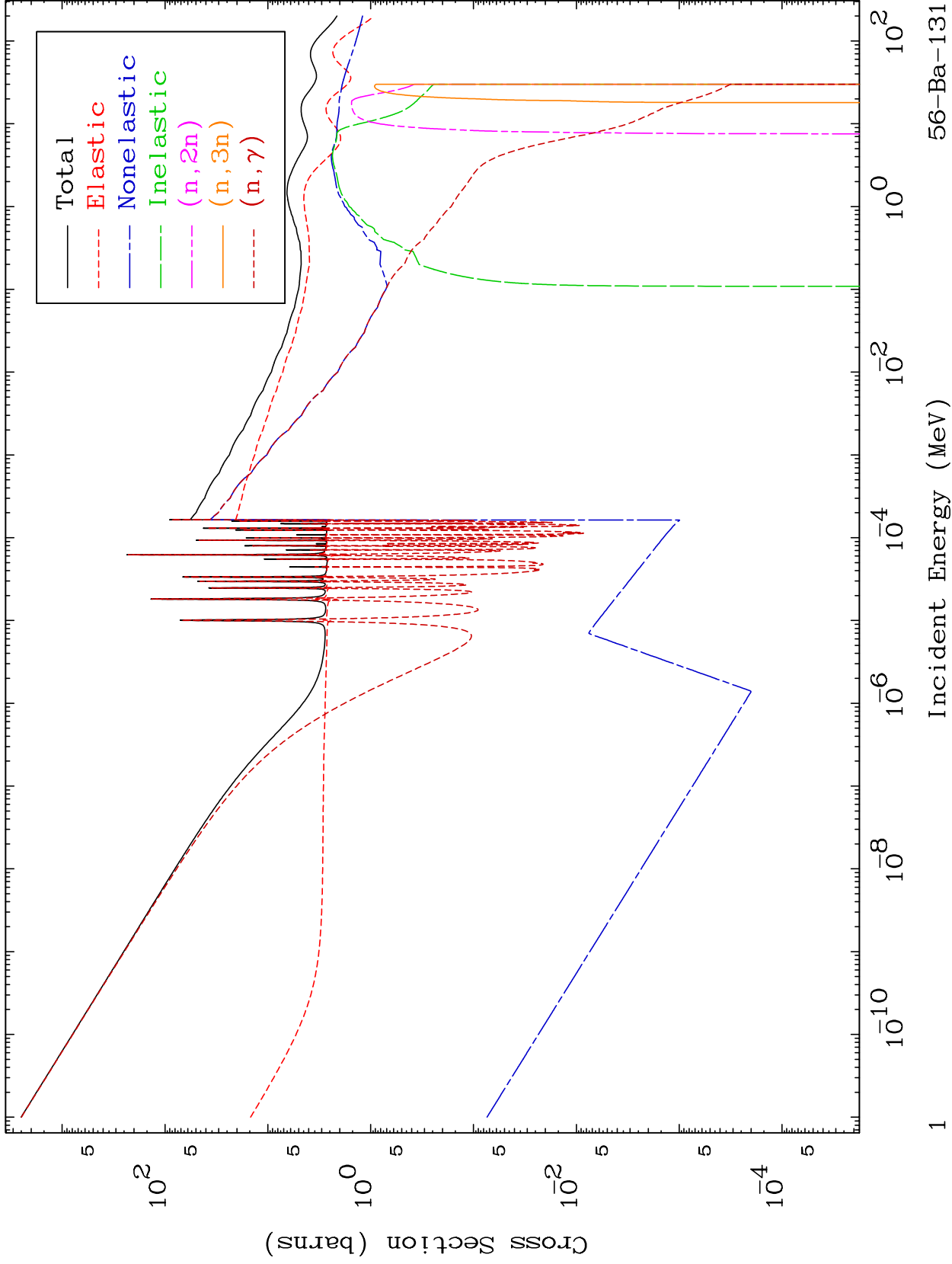
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5628

Neutron Major  
293 Kelvin Cross Sections

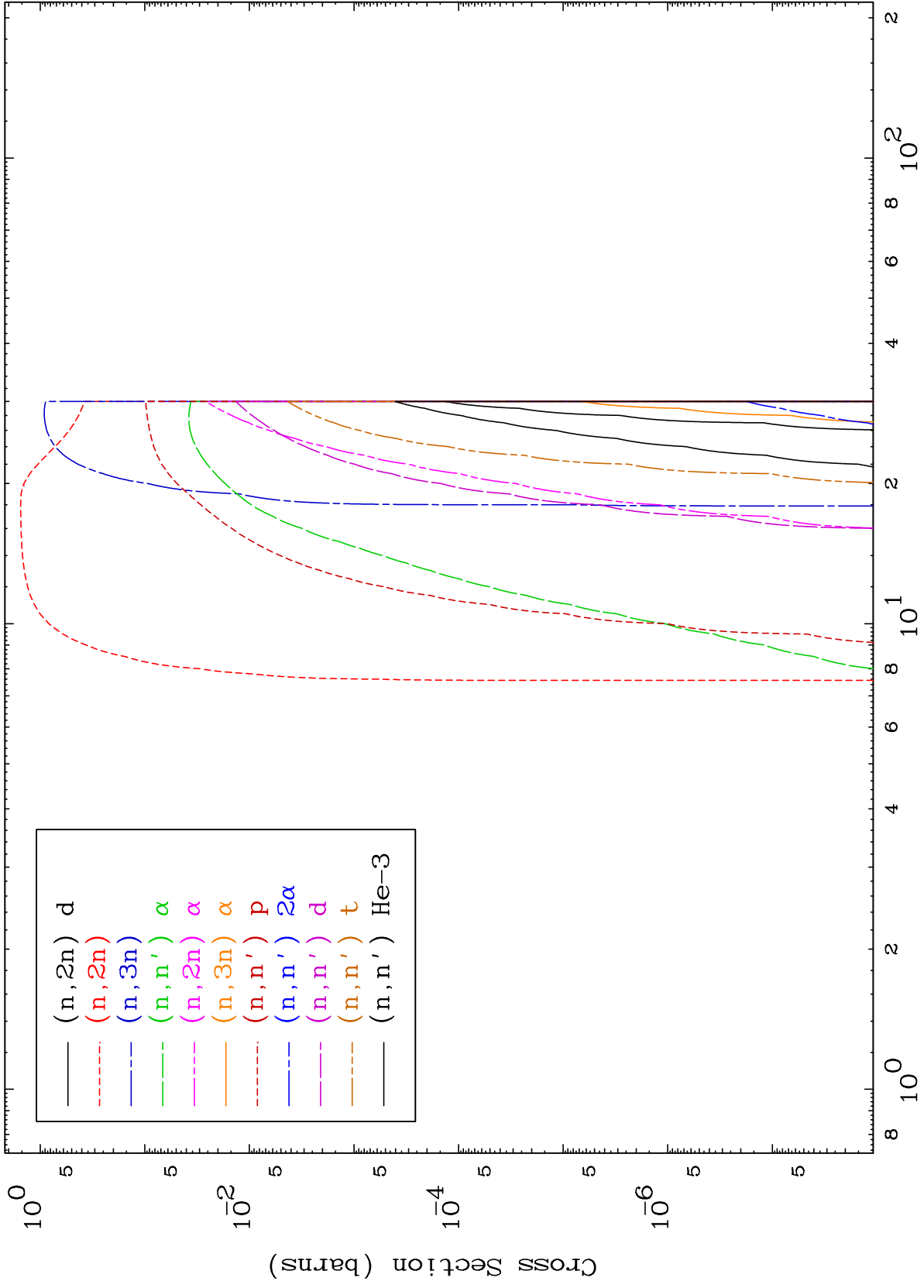
56-Ba-131



MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-131



56-Ba-131

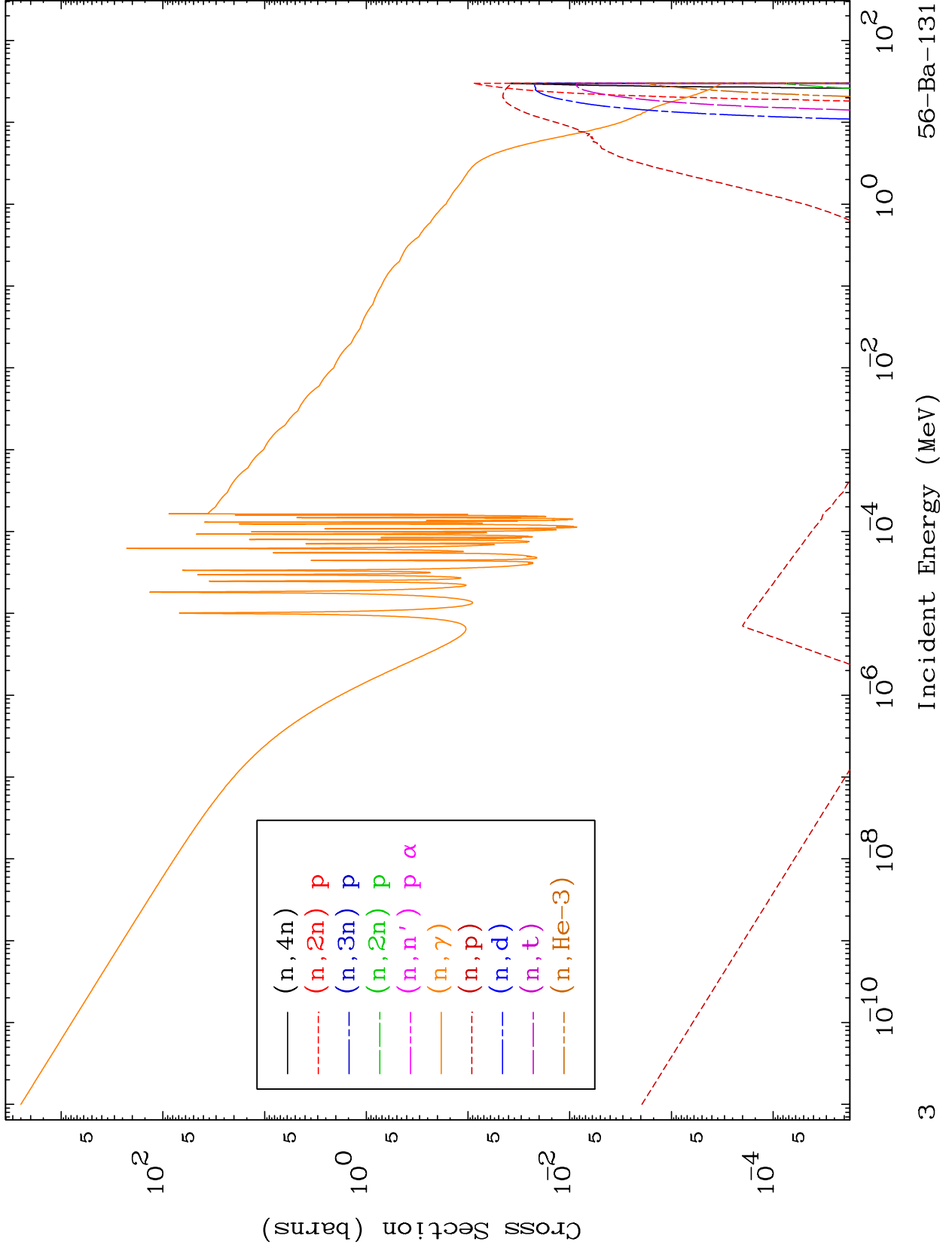
Incident Energy (MeV)

2

MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

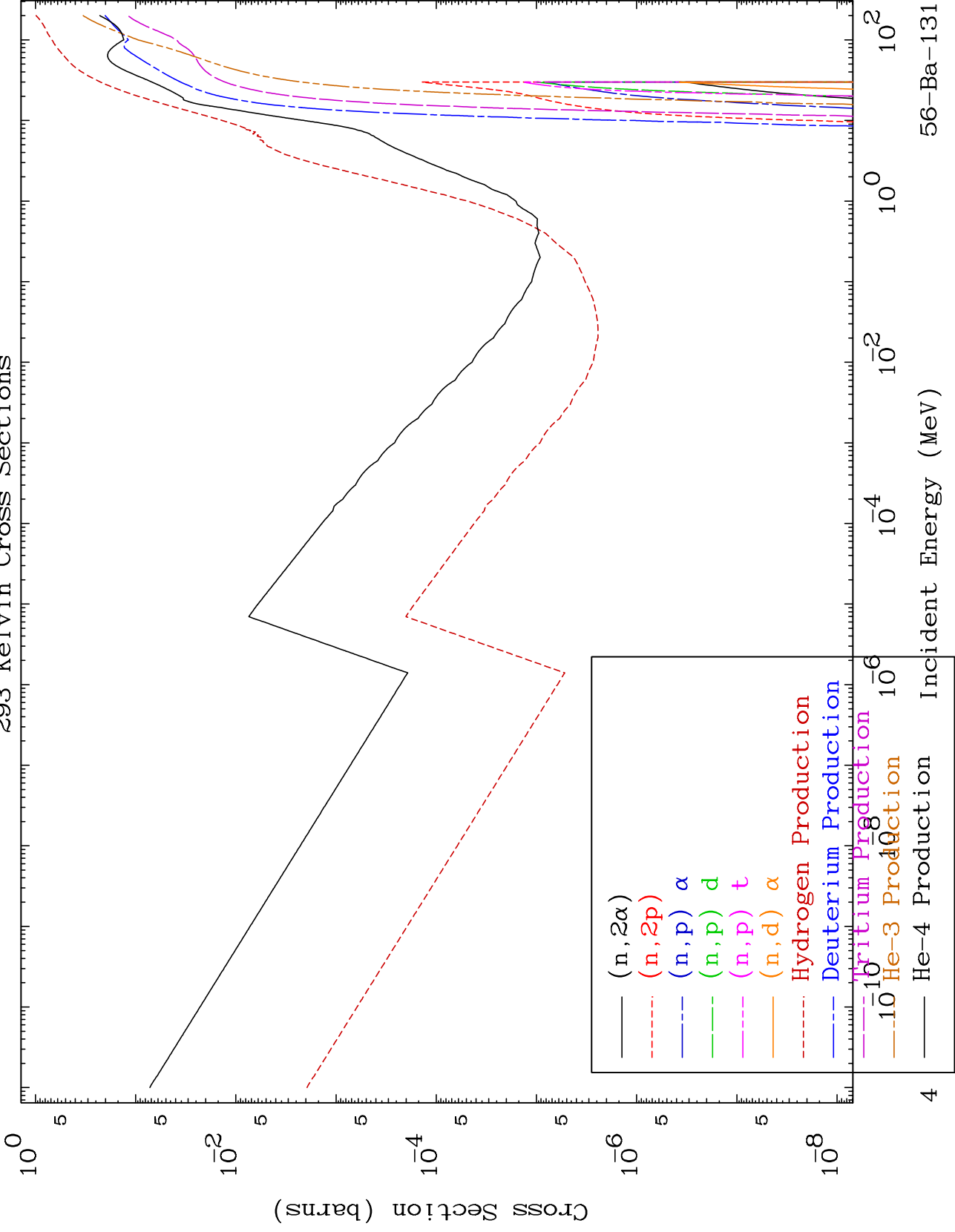
56-Ba-131



MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

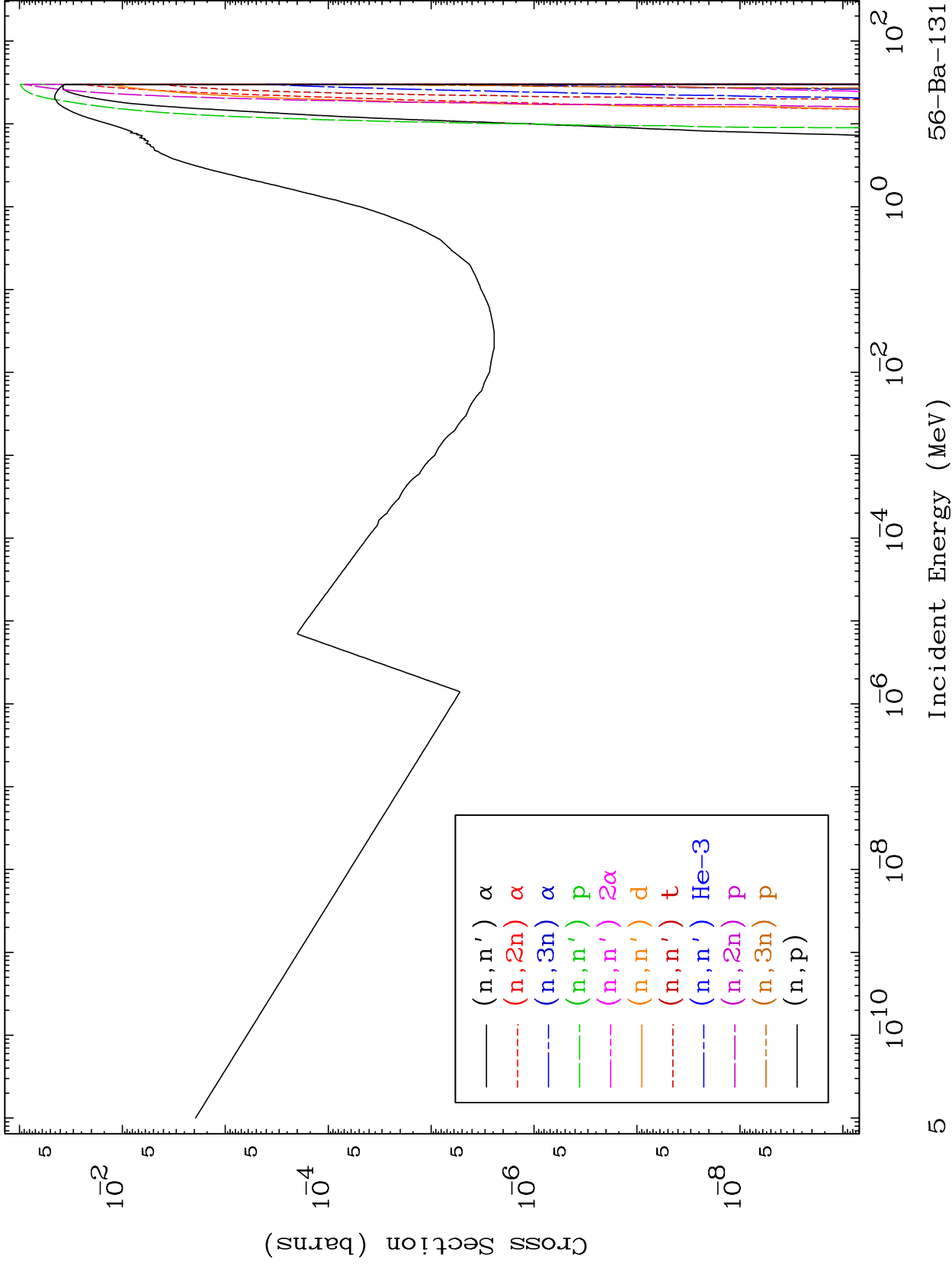
56-Ba-131



MAT 5628

Charged Particle  
293 Kelvin Cross Sections

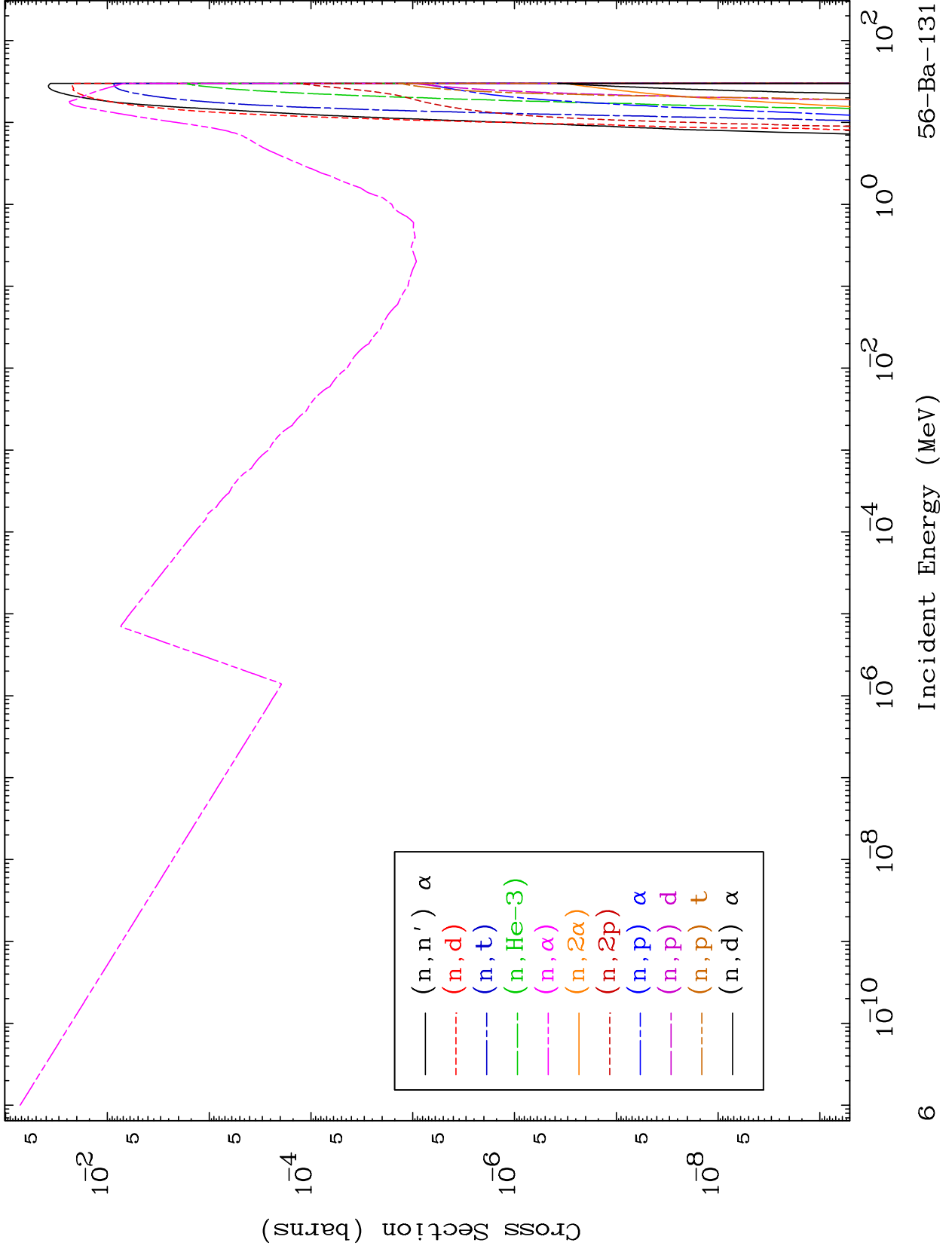
56-Ba-131



MAT 5628

Charged Particle  
293 Kelvin Cross Sections

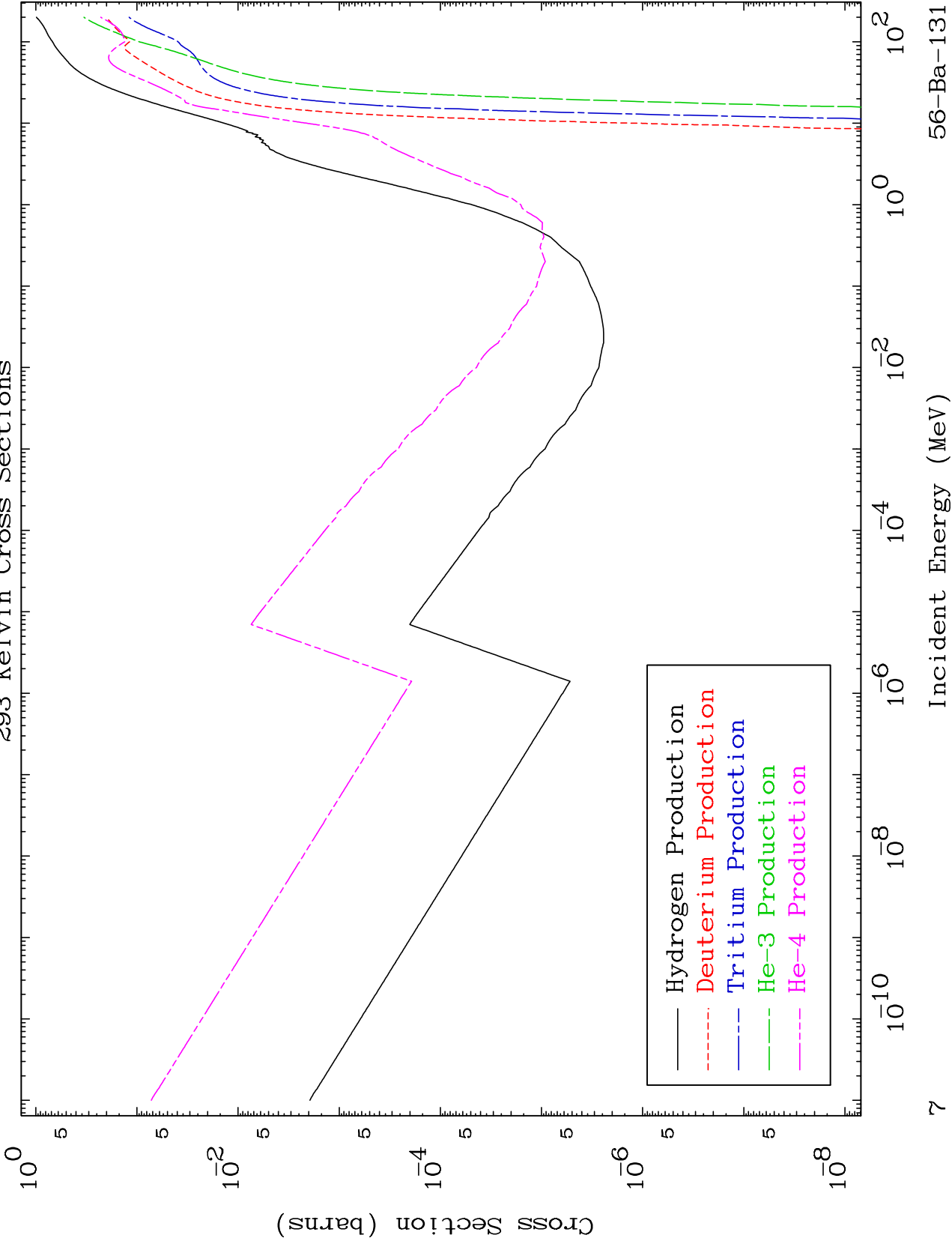
56-Ba-131



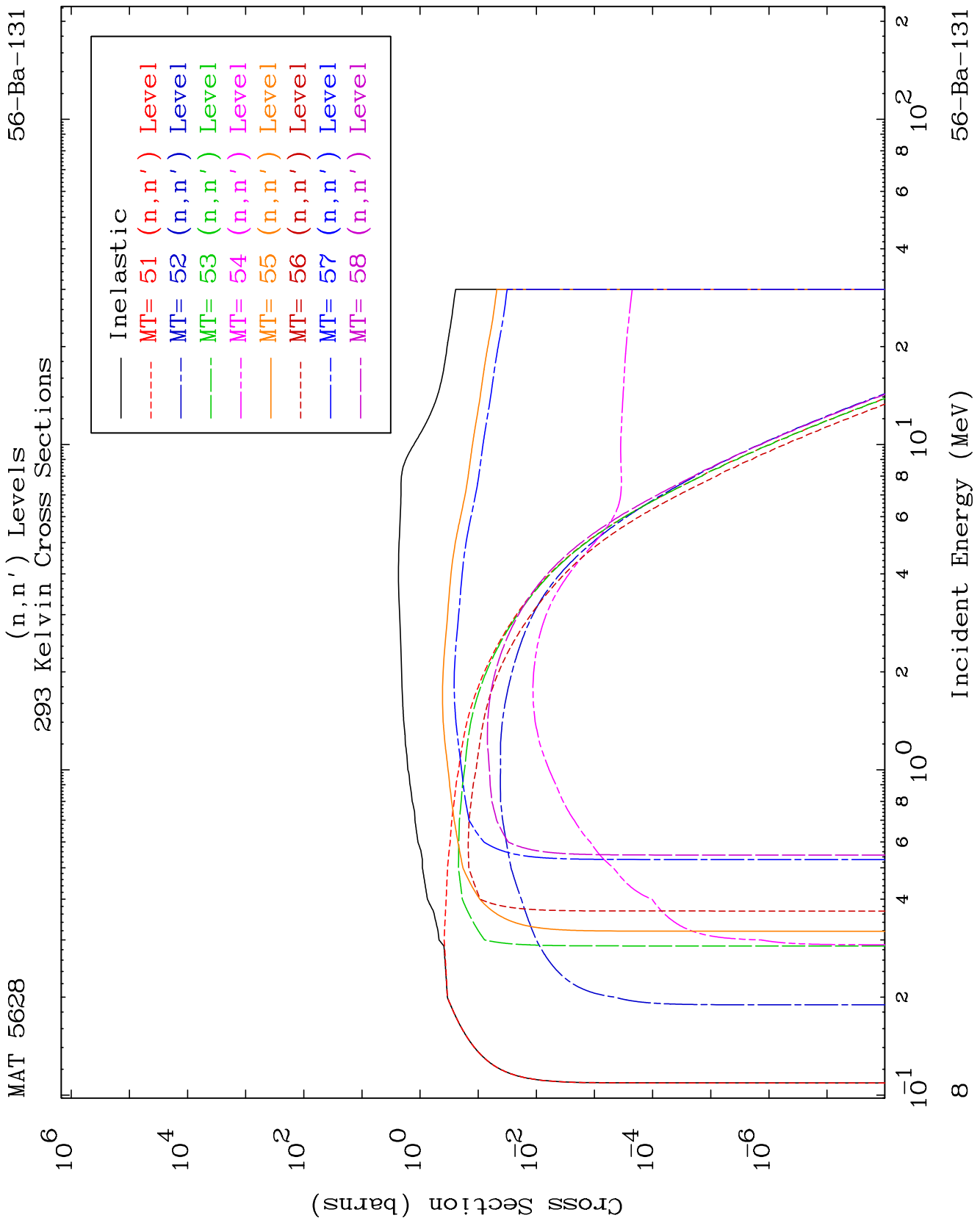
MAT 5628

Particle Production  
293 Kelvin Cross Sections

56-Ba-131



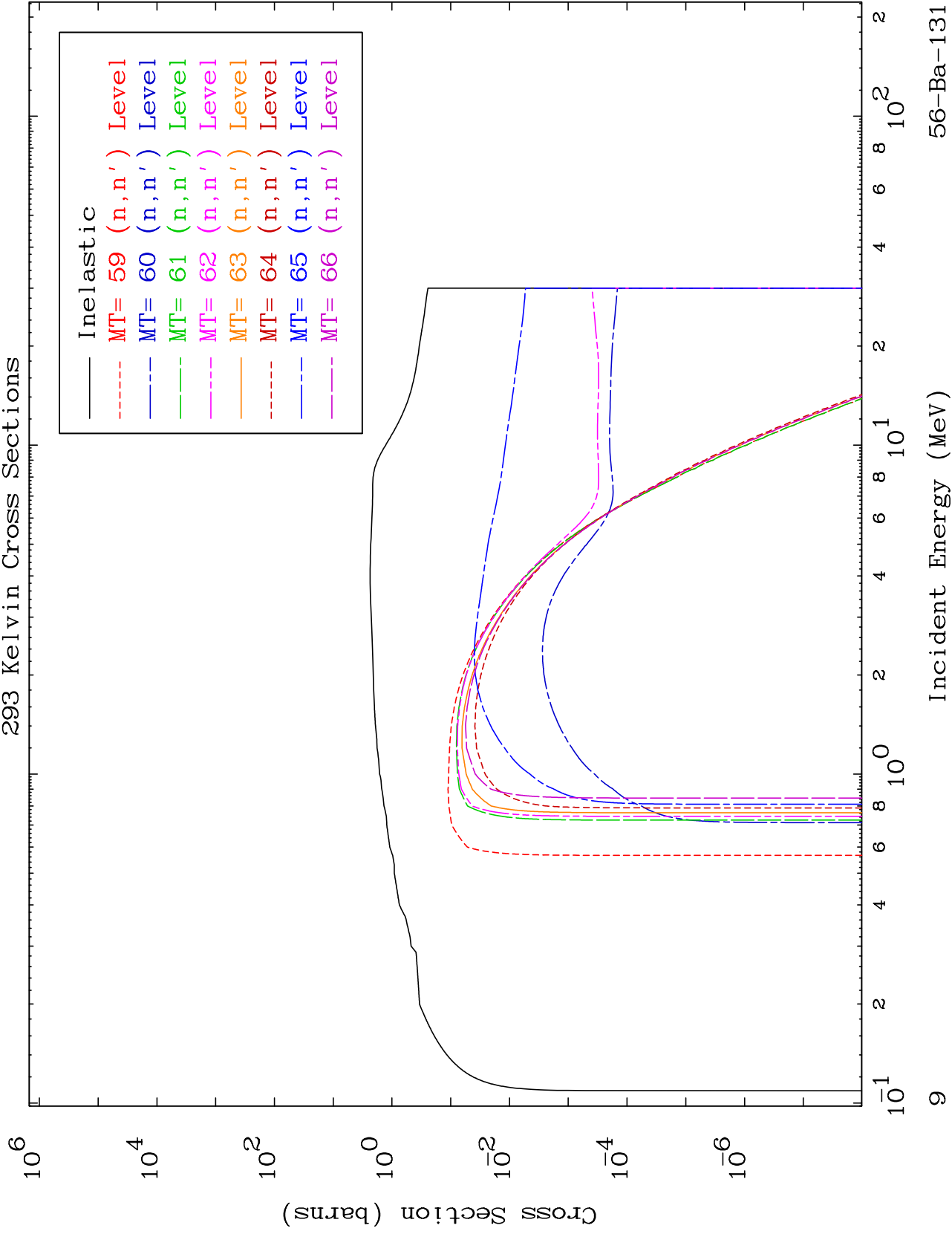




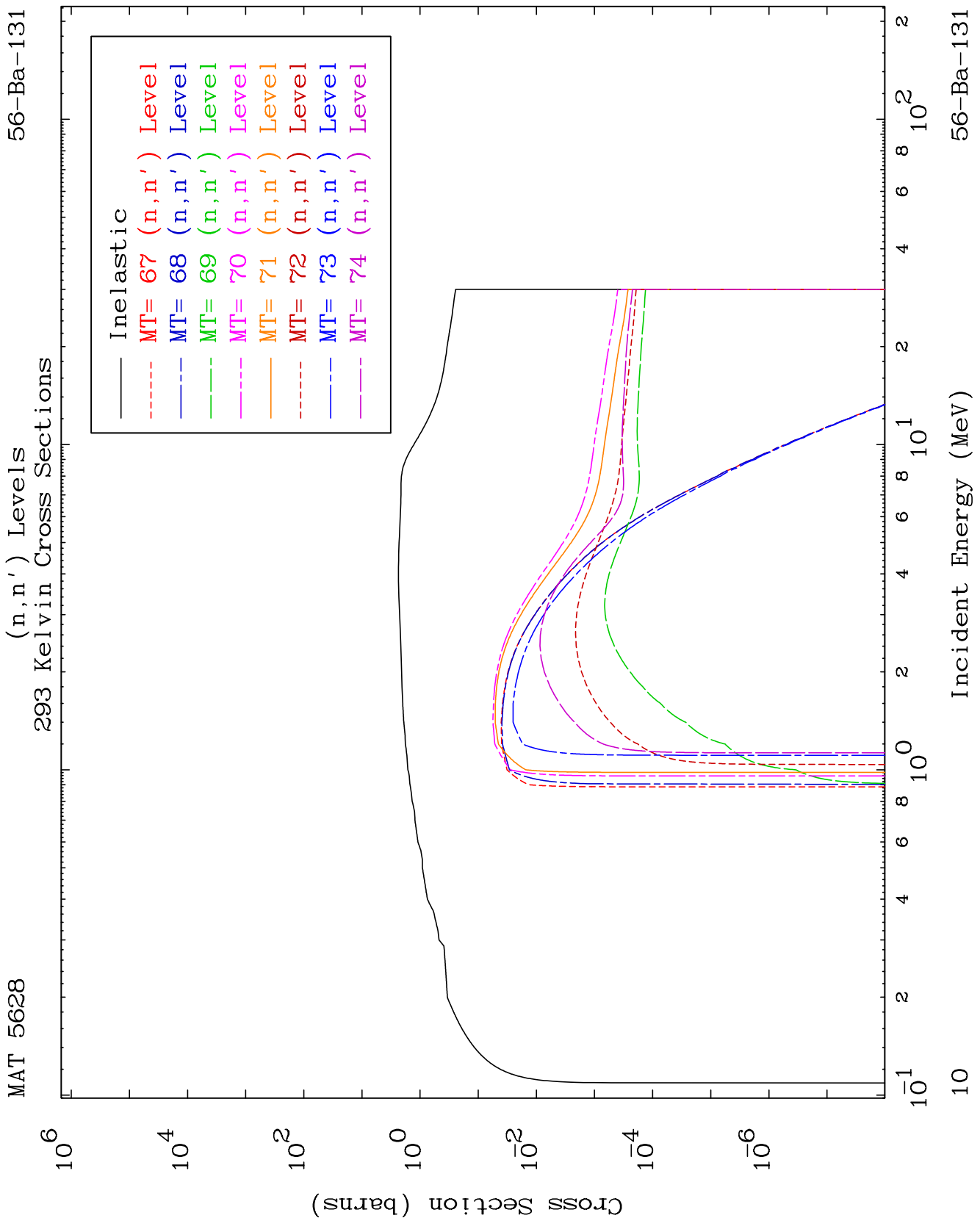
MAT 5628

56-Ba-131

(n,n') Levels  
293 Kelvin Cross Sections



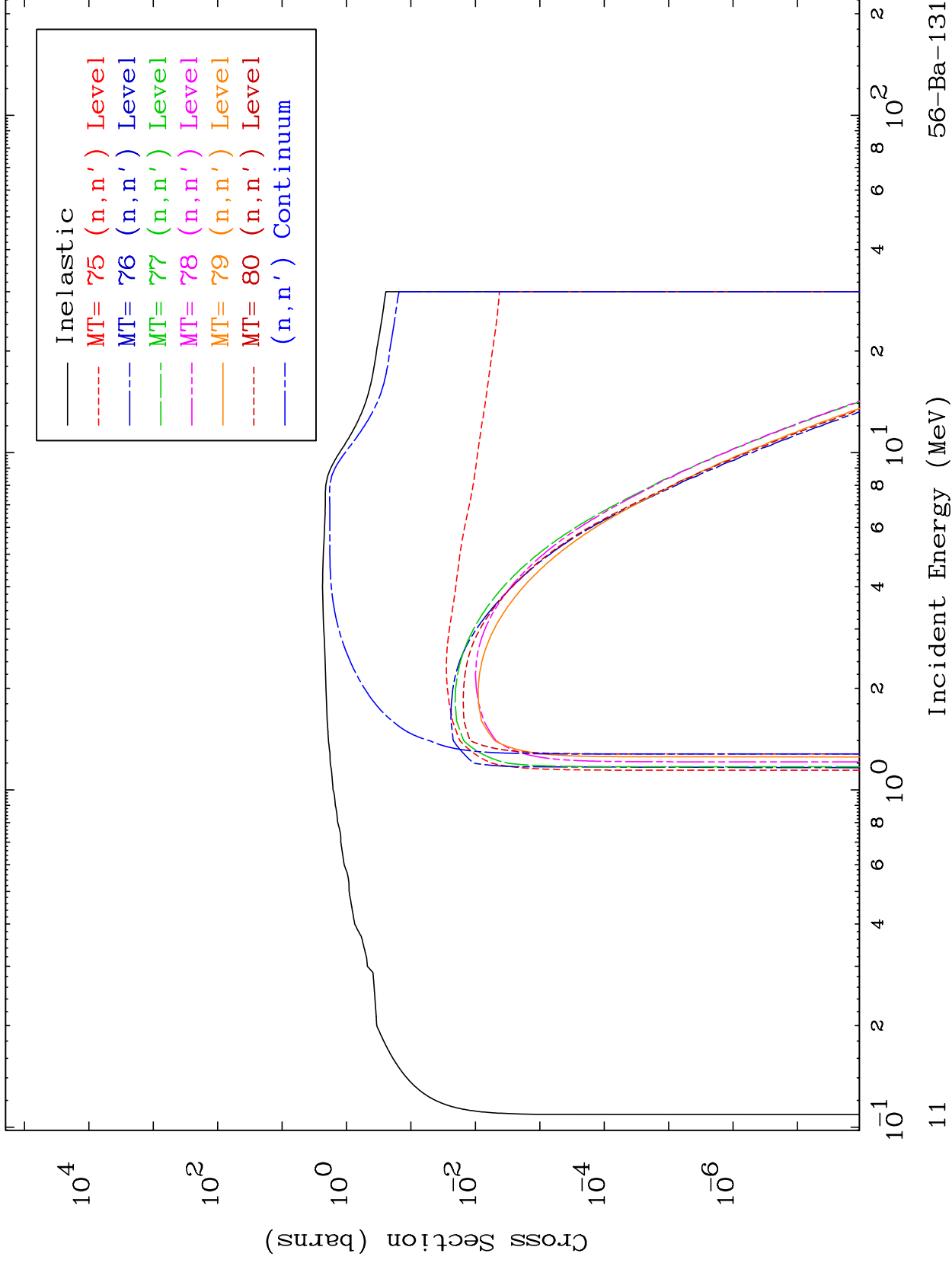
9



MAT 5628

(n,n') Levels  
293 Kelvin Cross Sections

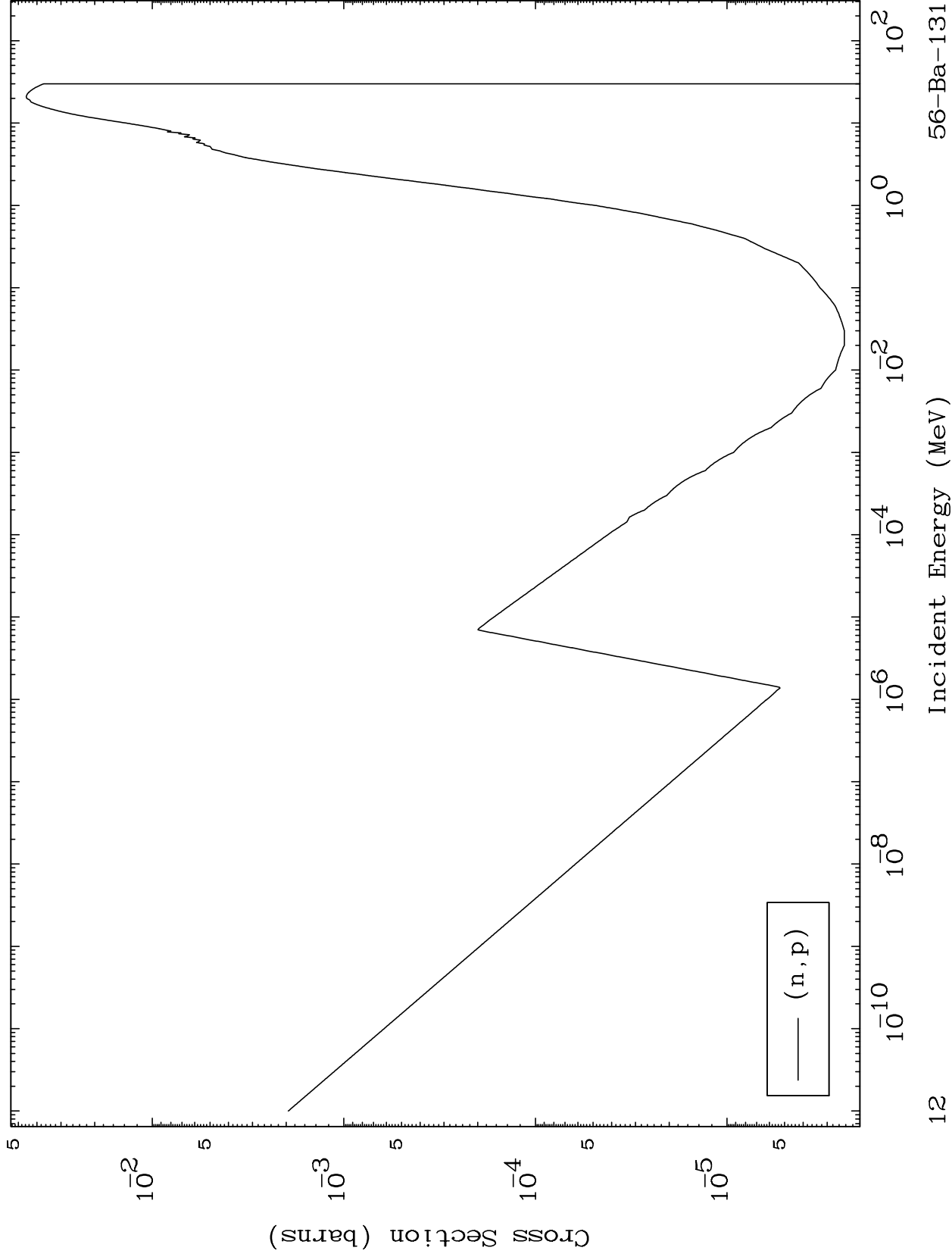
56-Ba-131



MAT 5628

(n,p) Levels  
293 Kelvin Cross Sections

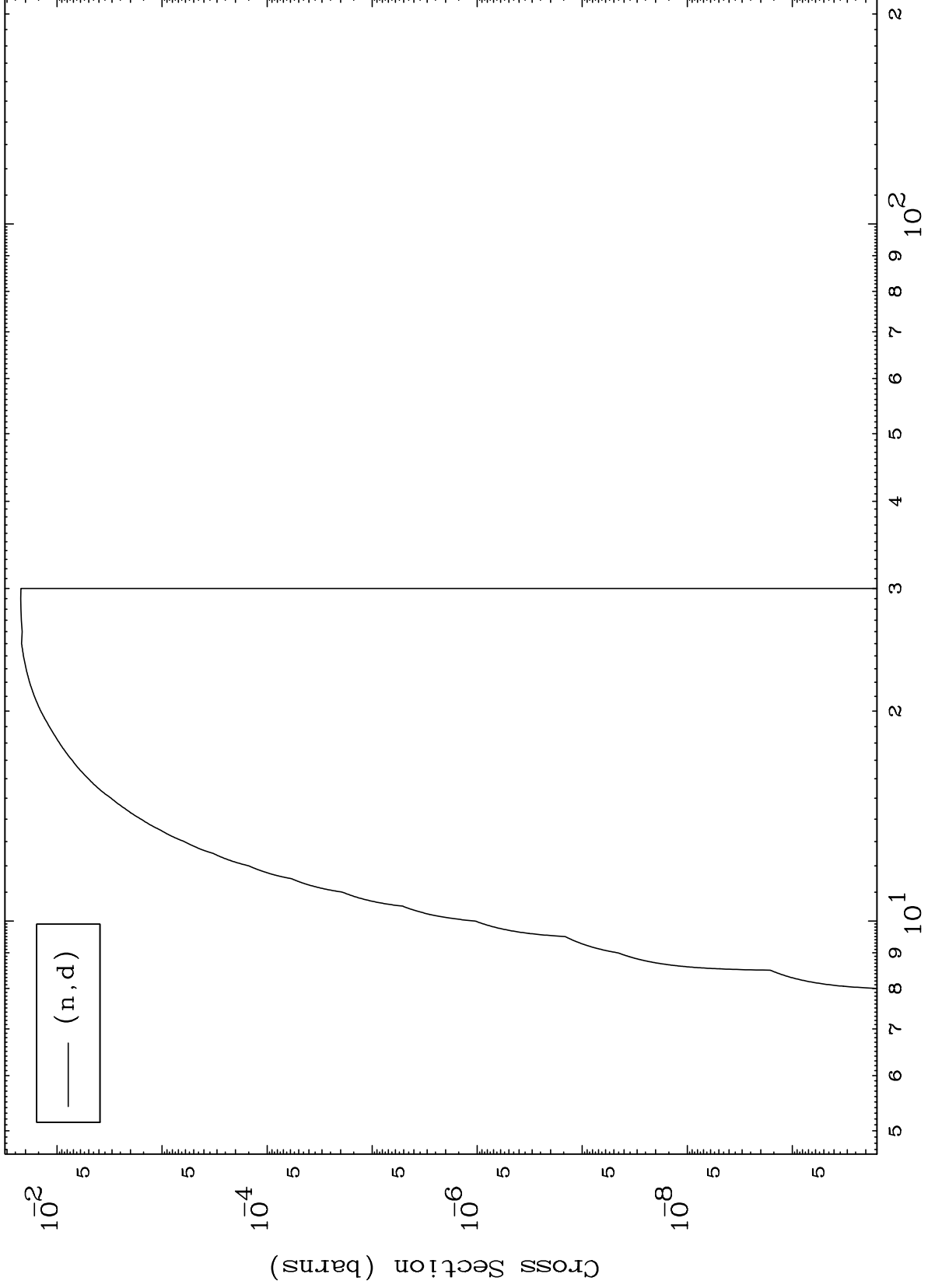
56-Ba-131



MAT 5628

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-131



13

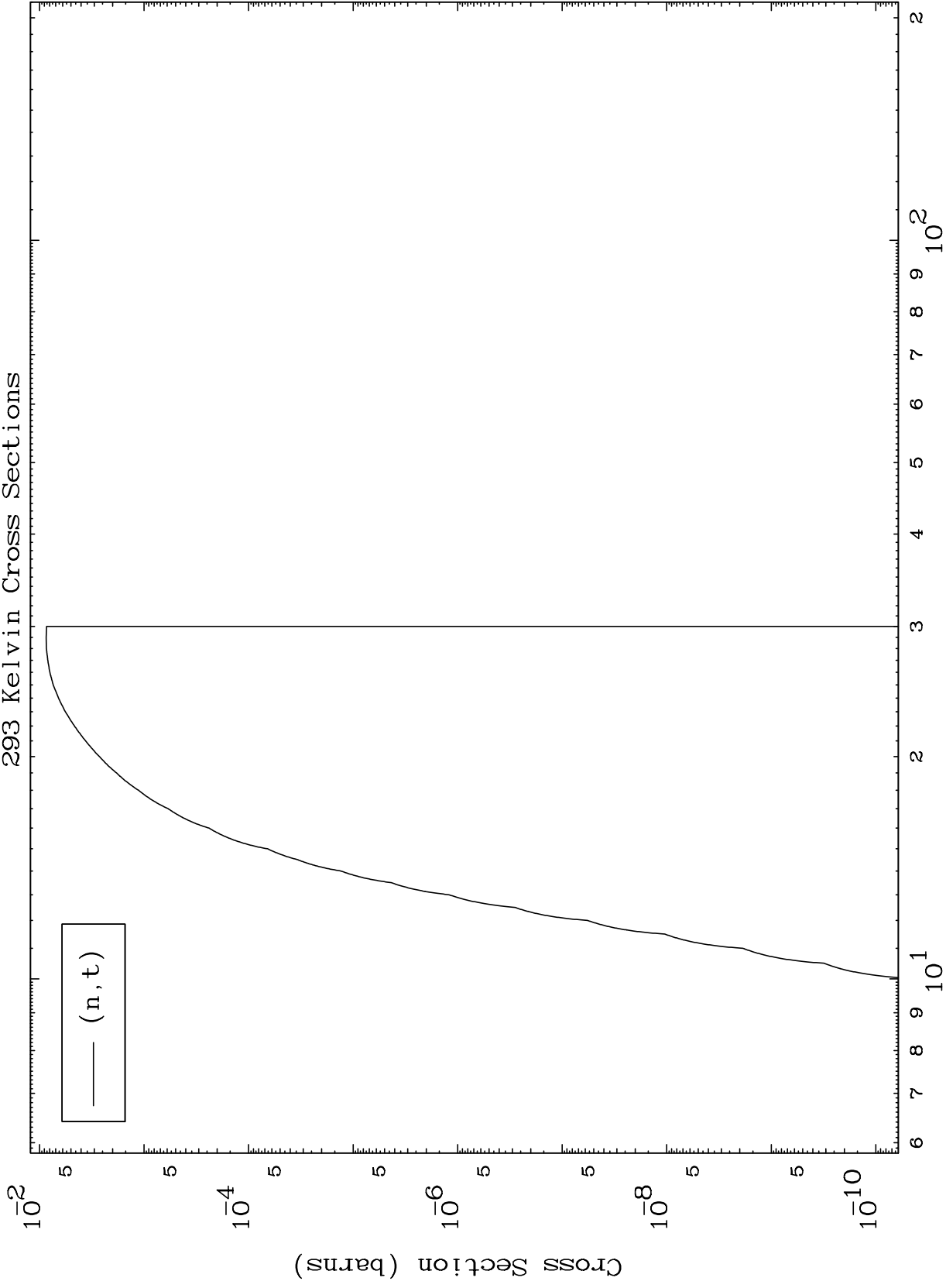
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-131



14

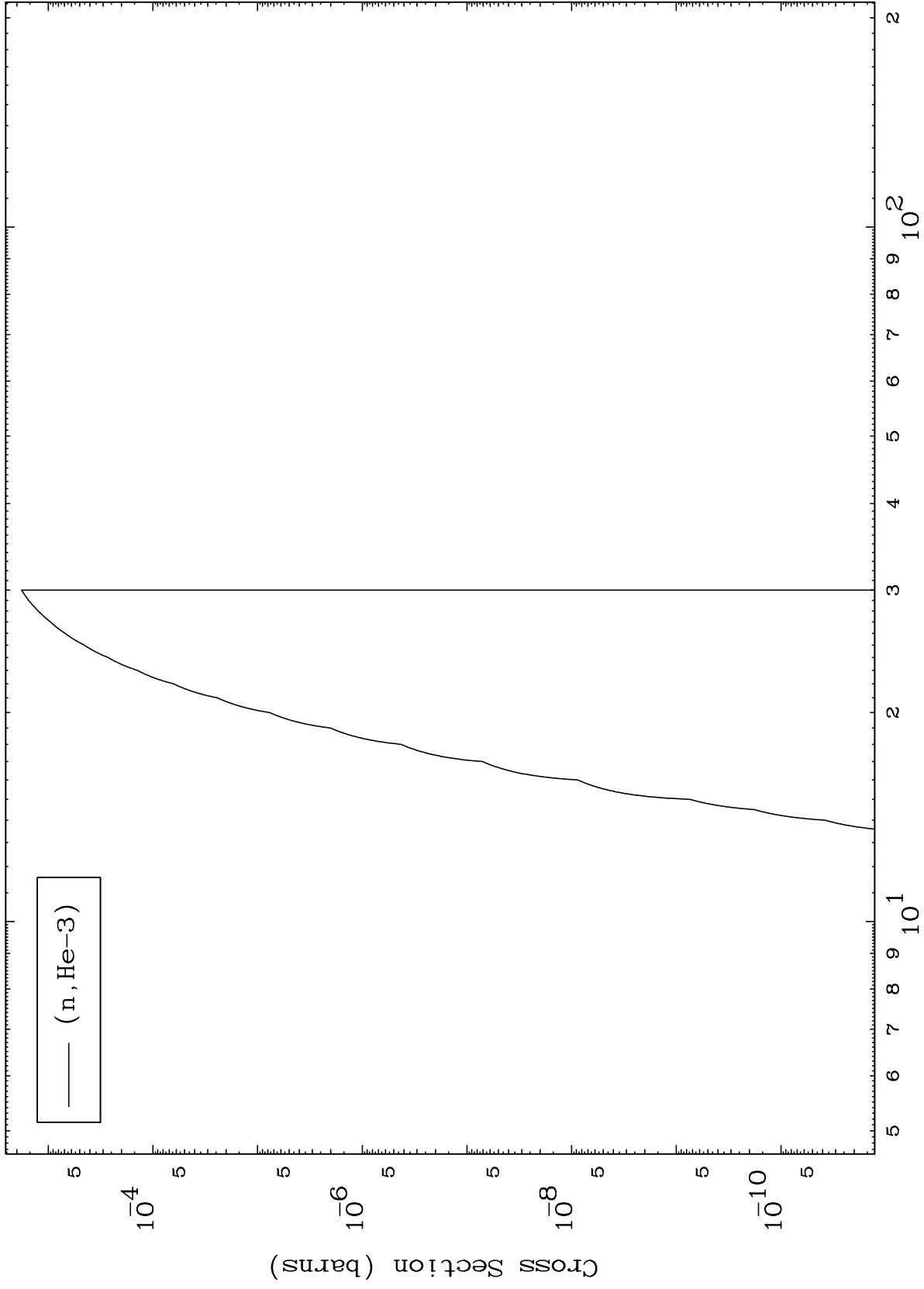
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,He3) Levels  
293 Kelvin Cross Sections



56-Ba-131

Incident Energy (MeV)

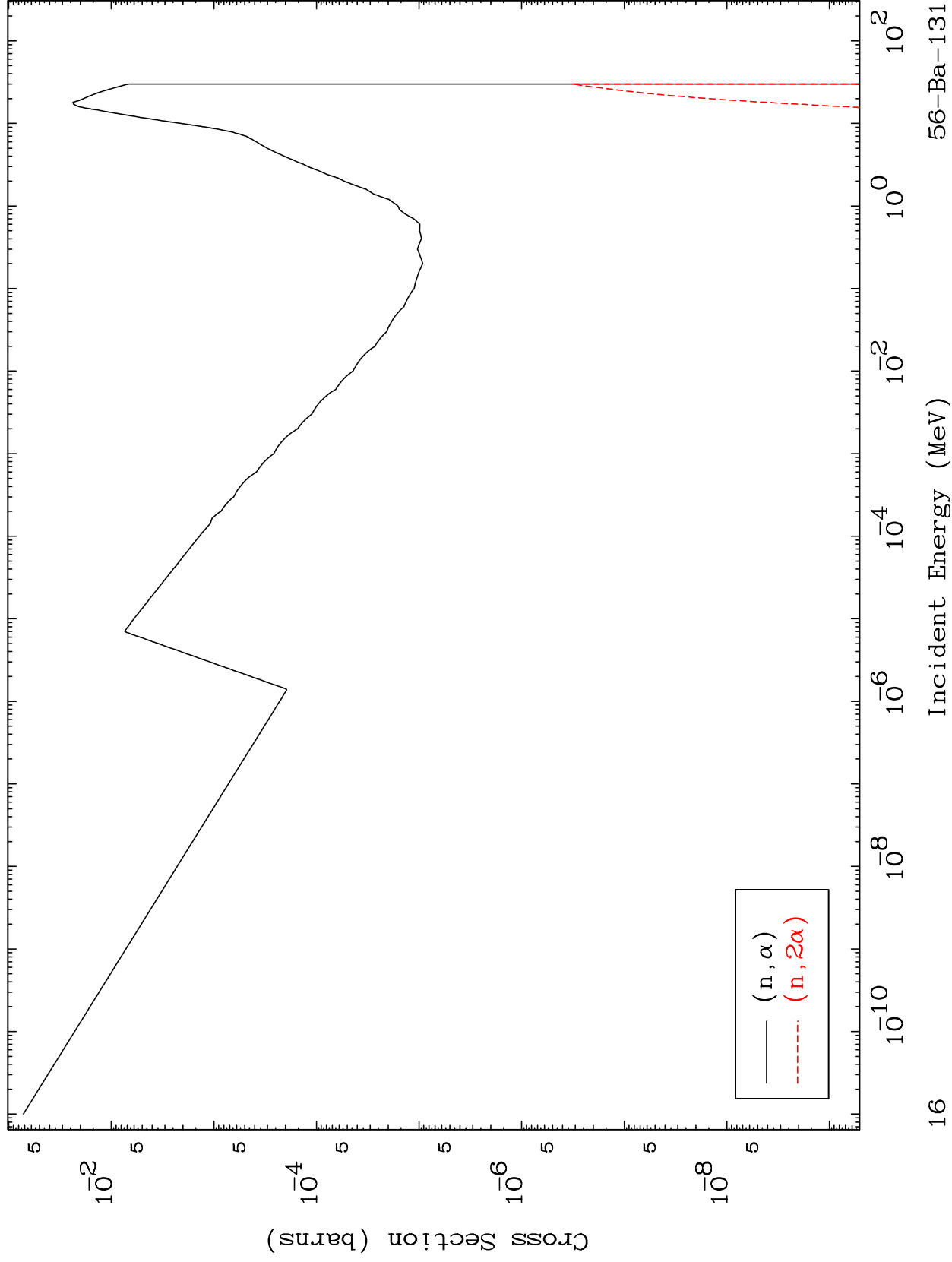
15



MAT 5628

(n,α) Levels  
293 Kelvin Cross Sections

56-Ba-131

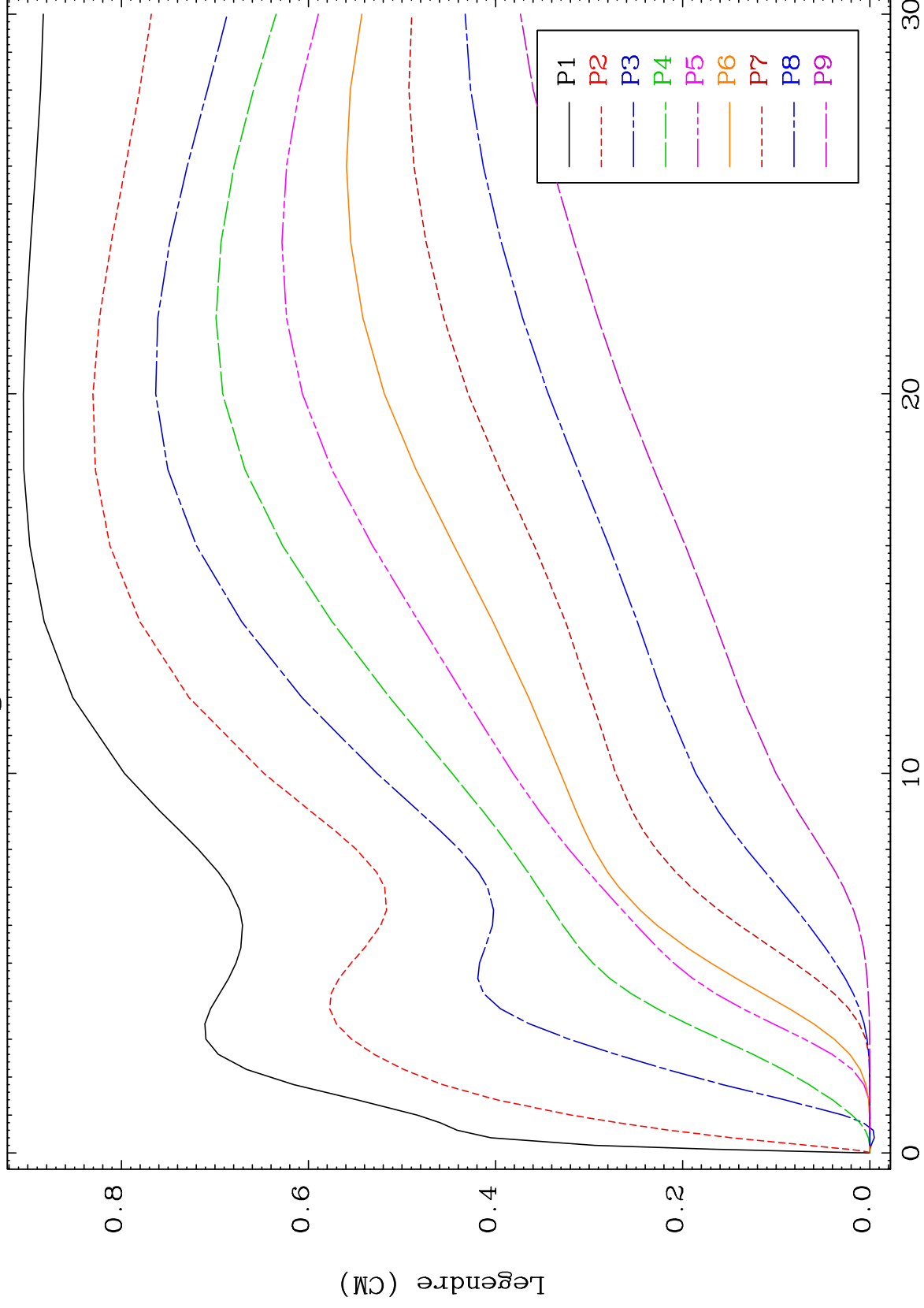


16

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



17

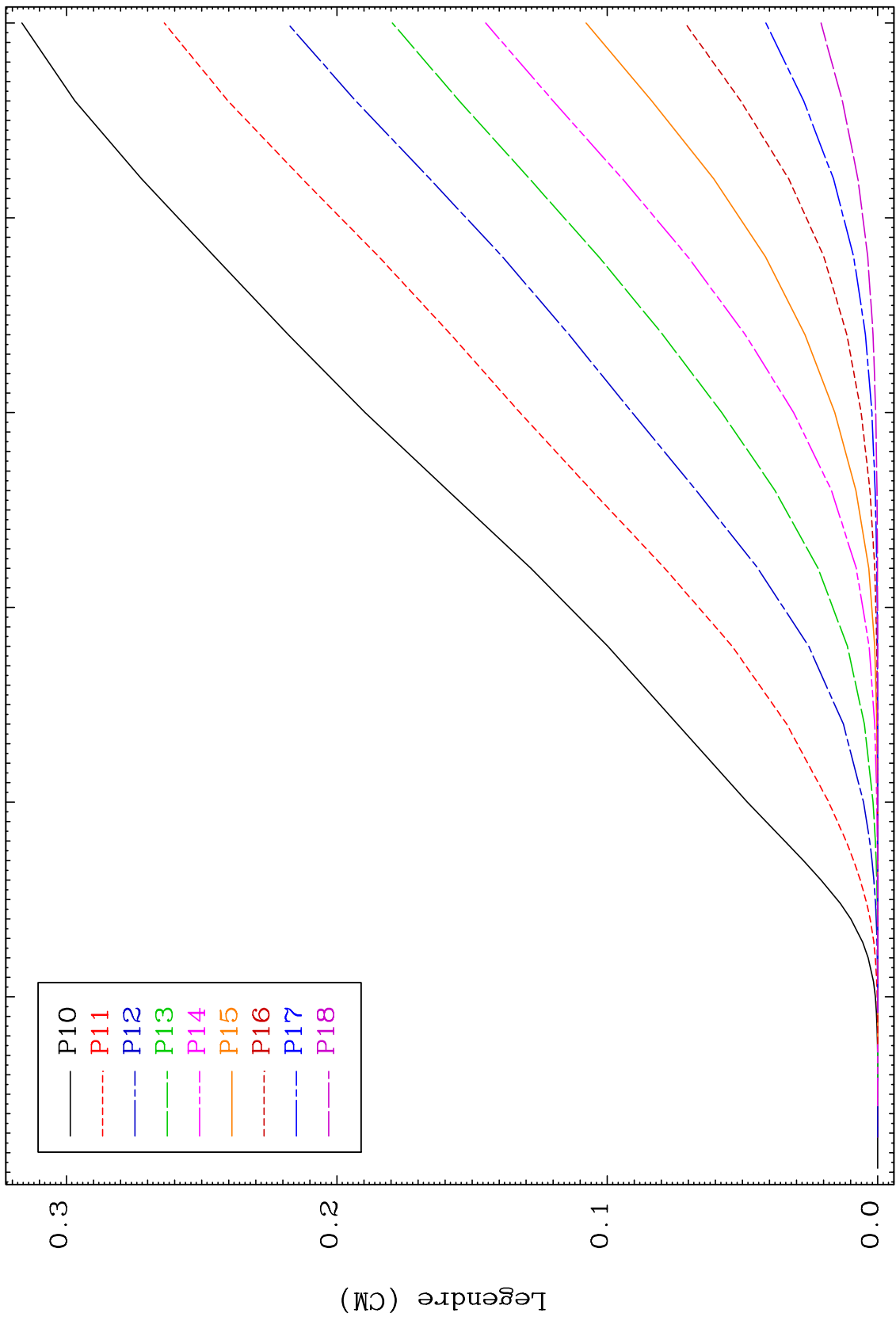
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



18

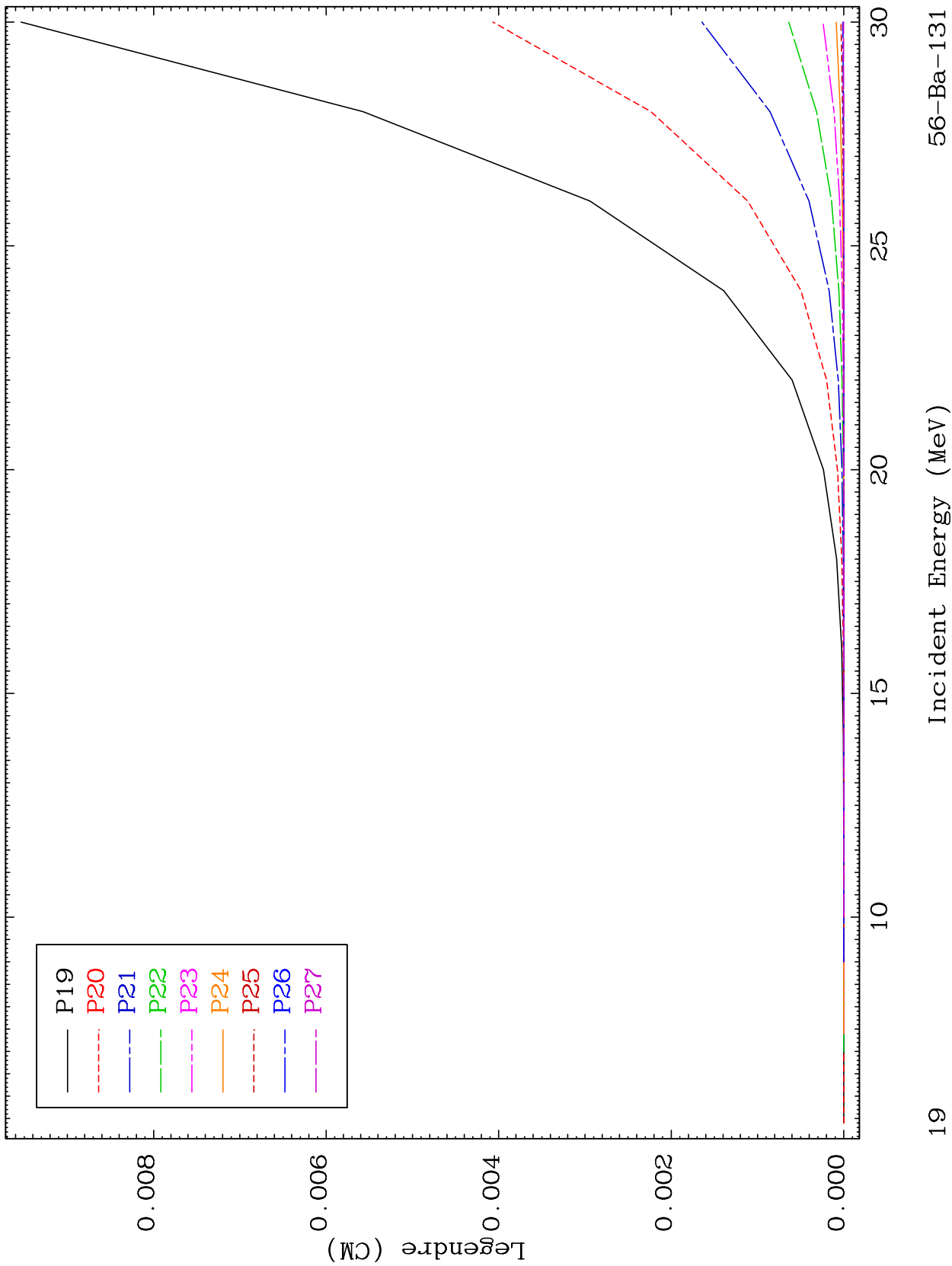
Incident Energy (MeV)

56-Ba-131

MAT 5628

### Elastic Legendre Coefficients

56-Ba-131



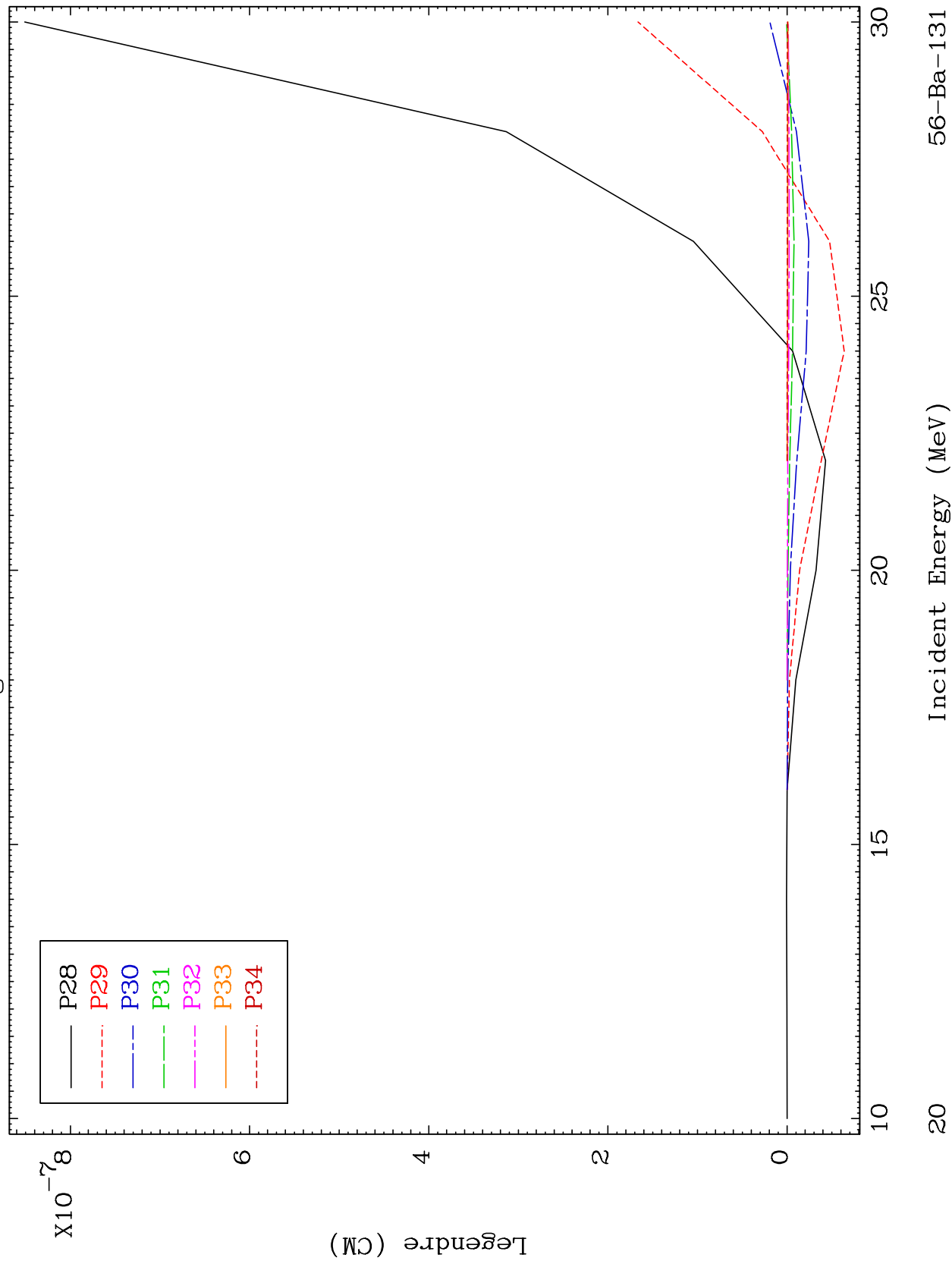
19

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

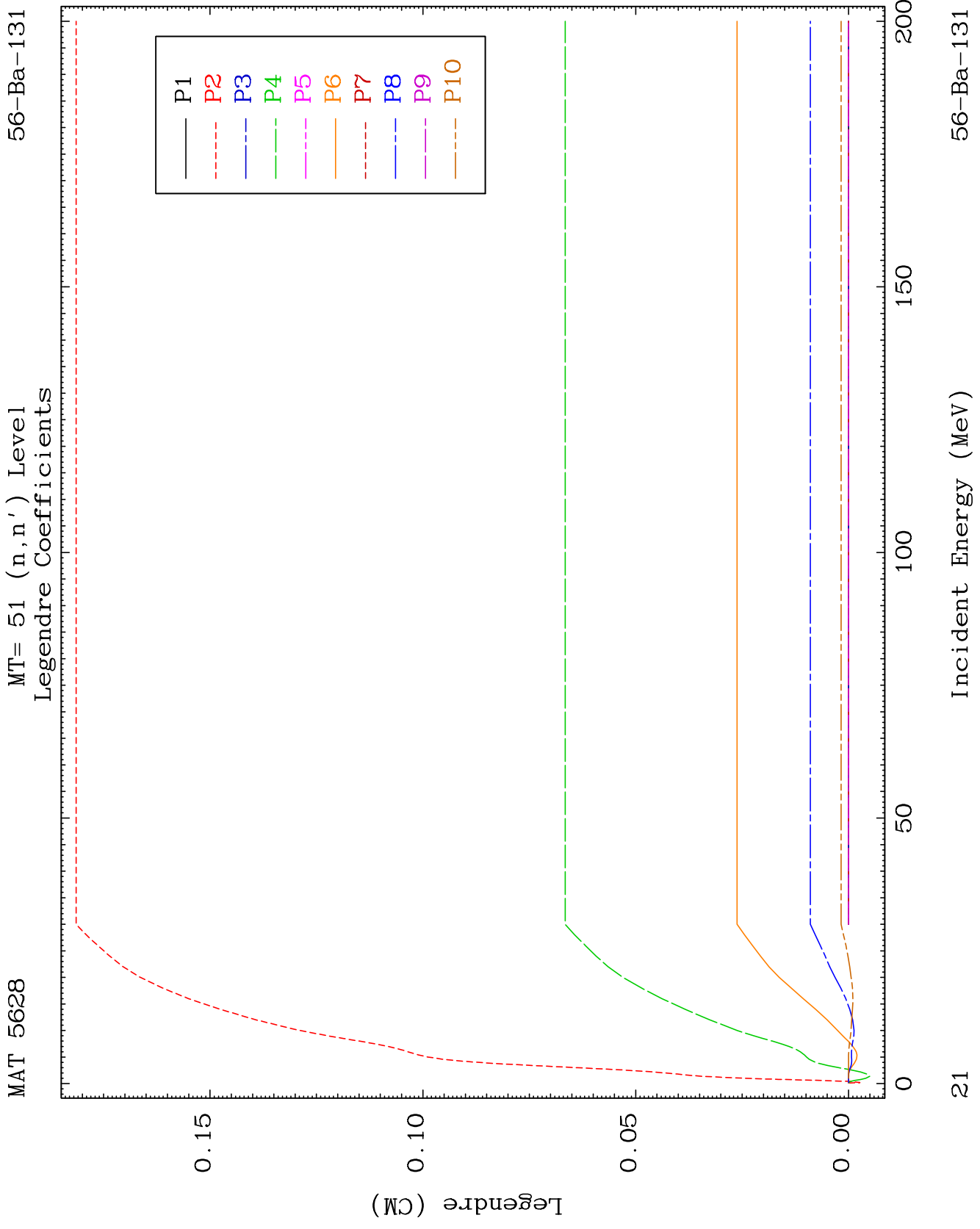
56-Ba-131



56-Ba-131

Incident Energy (MeV)

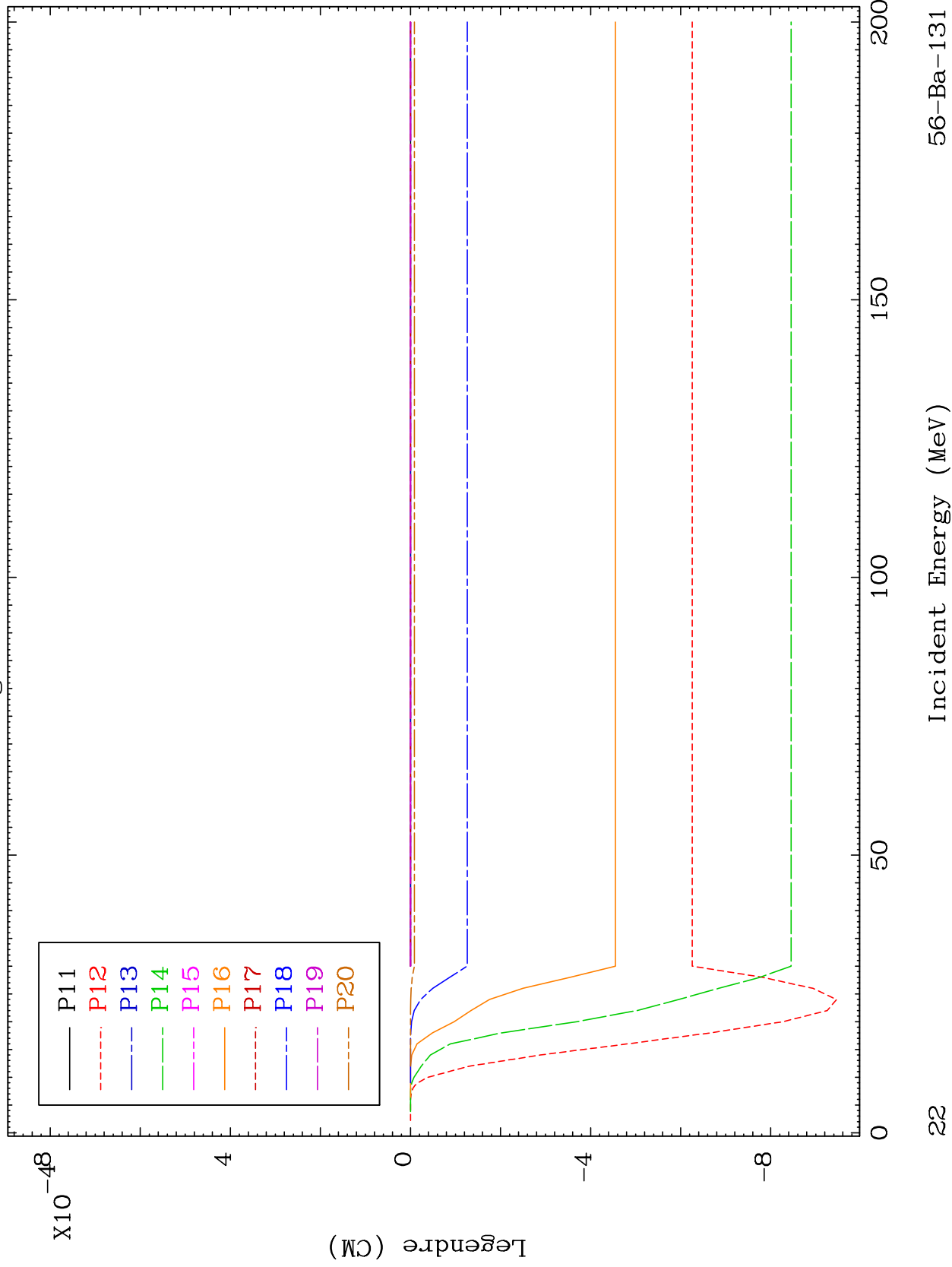
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MAT 5628

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

56-Ba-131



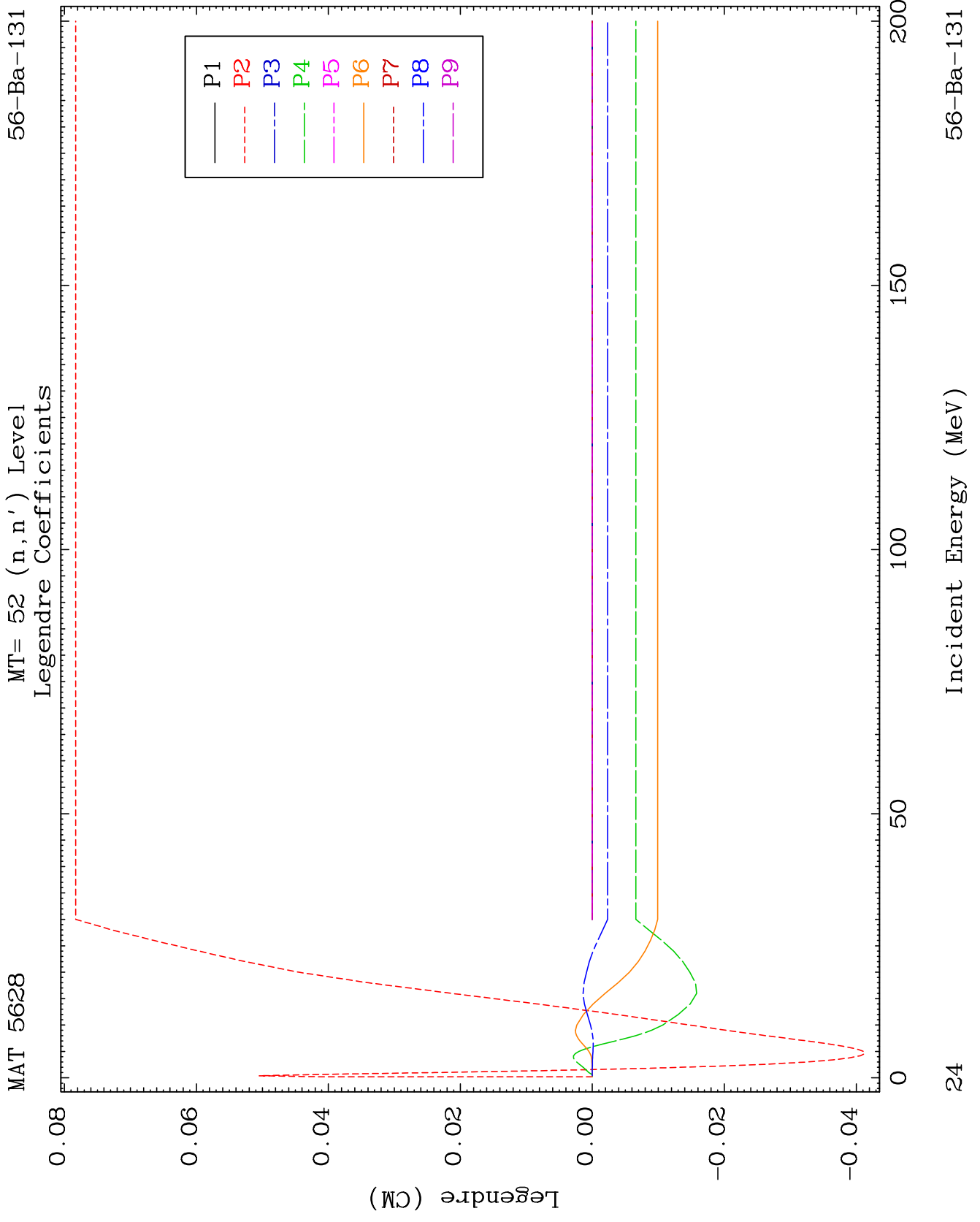
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Incident Energy (MeV)

56-Ba-131



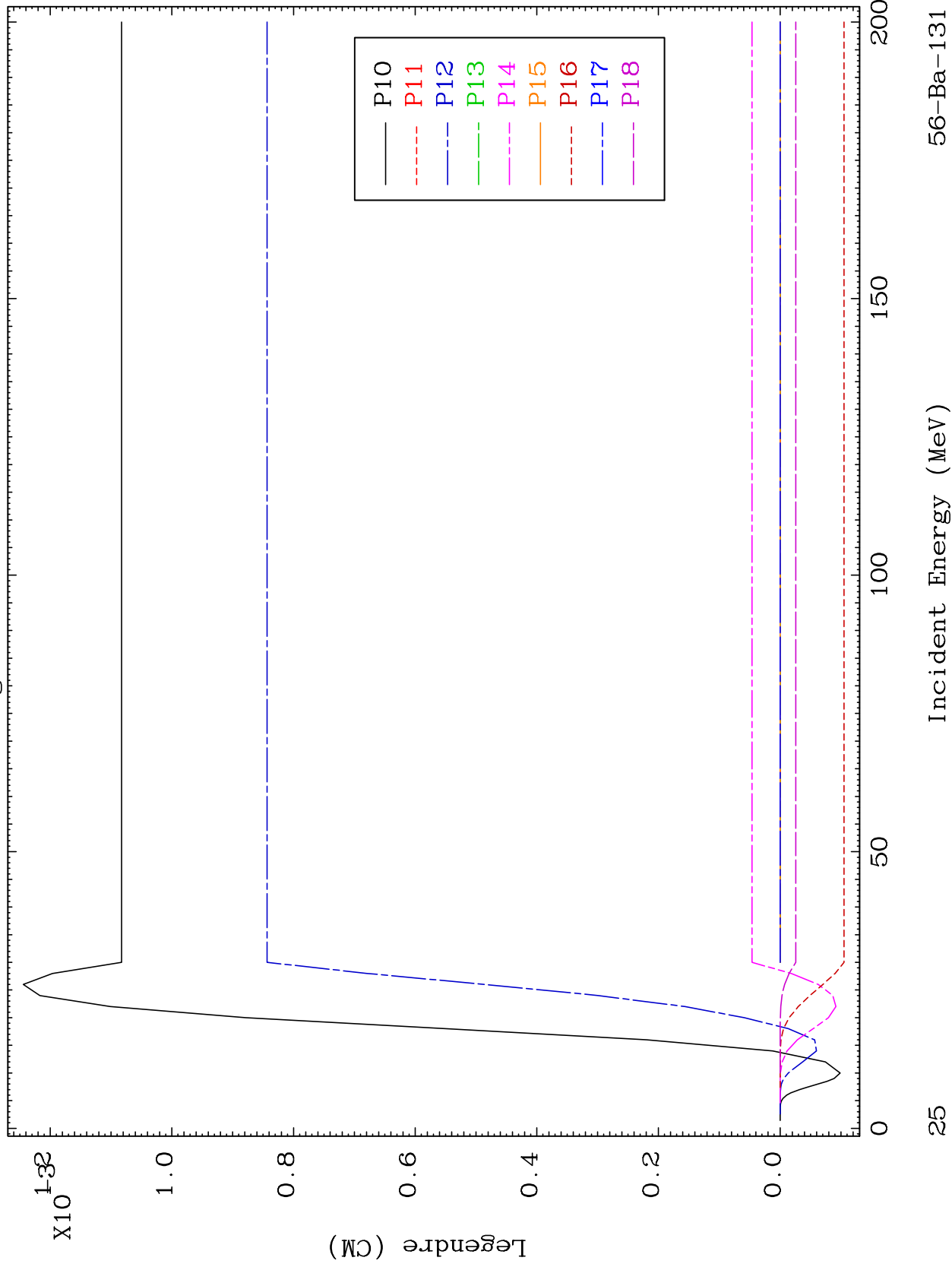




MAT 5628

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Legendre Coefficients

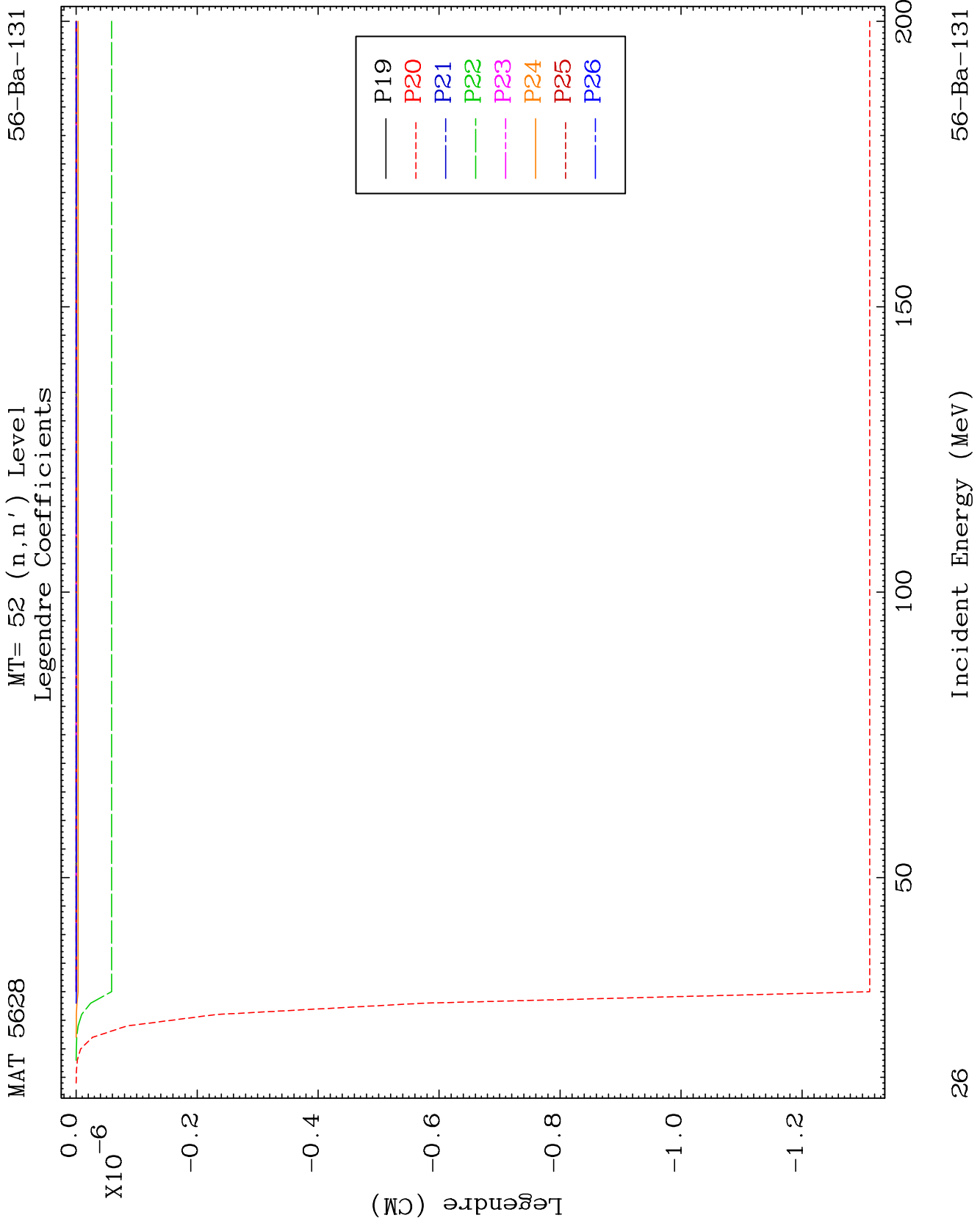
56-Ba-131

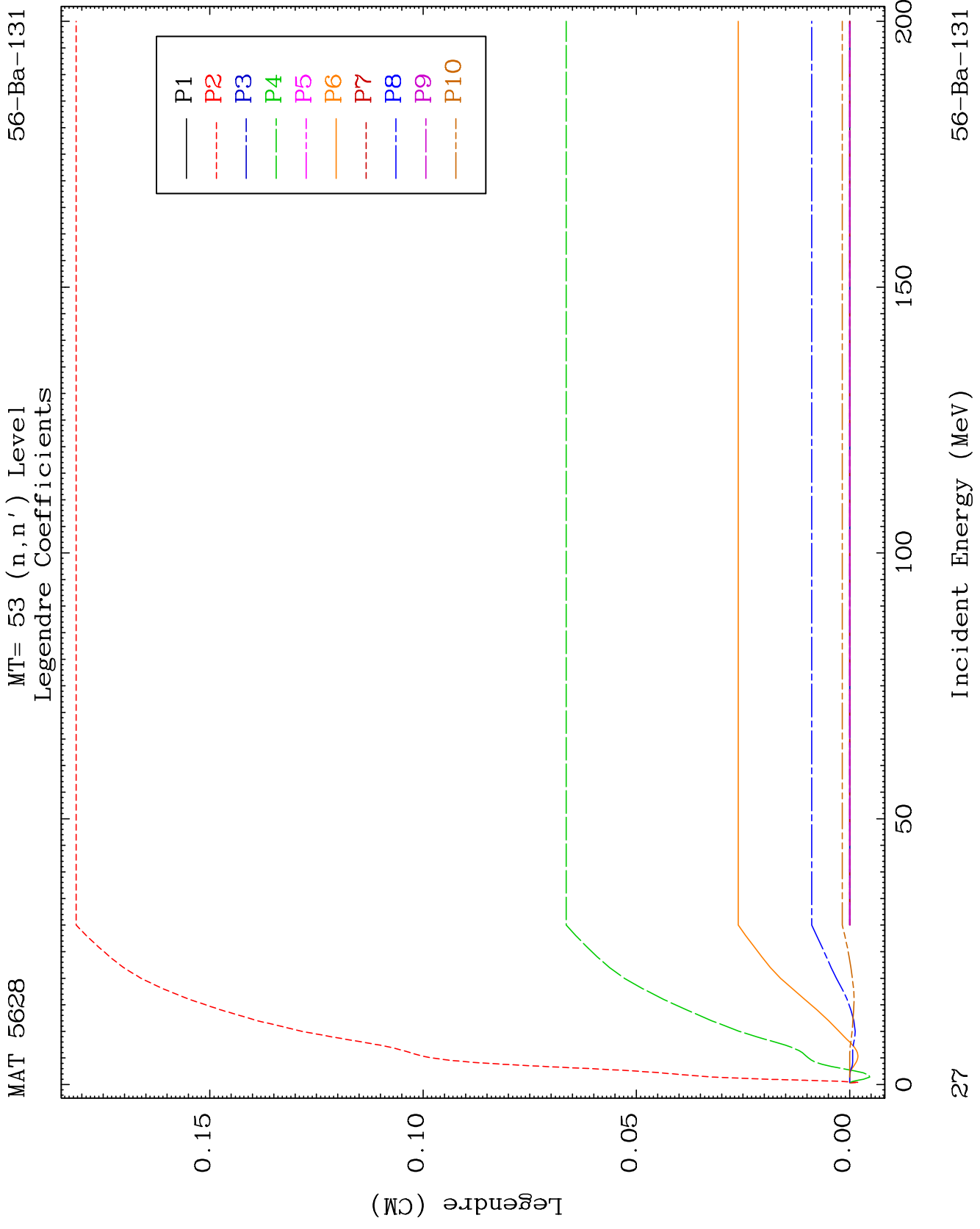


25

Incident Energy (MeV)

56-Ba-131

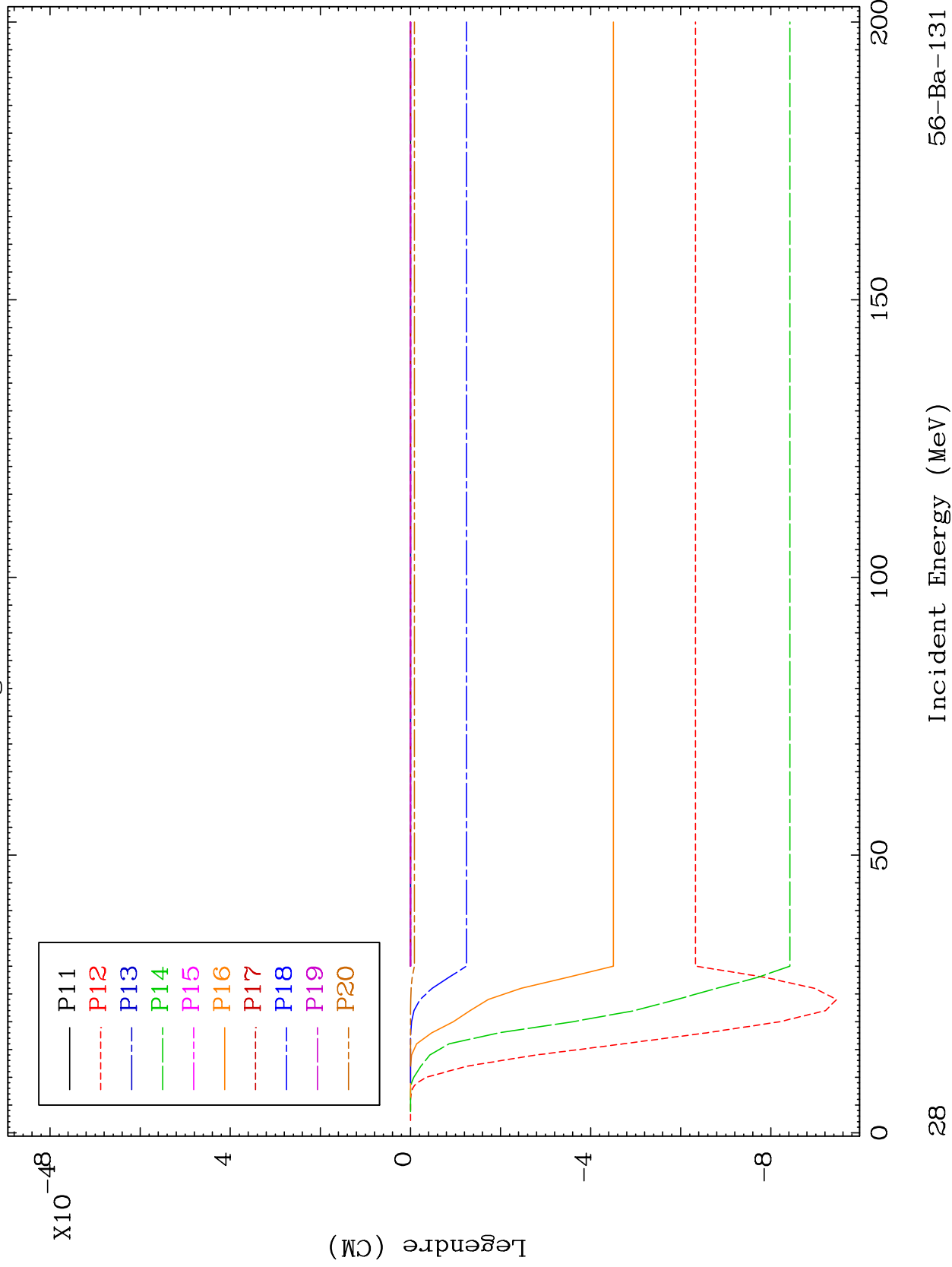




MAT 5628

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

56-Ba-131



28

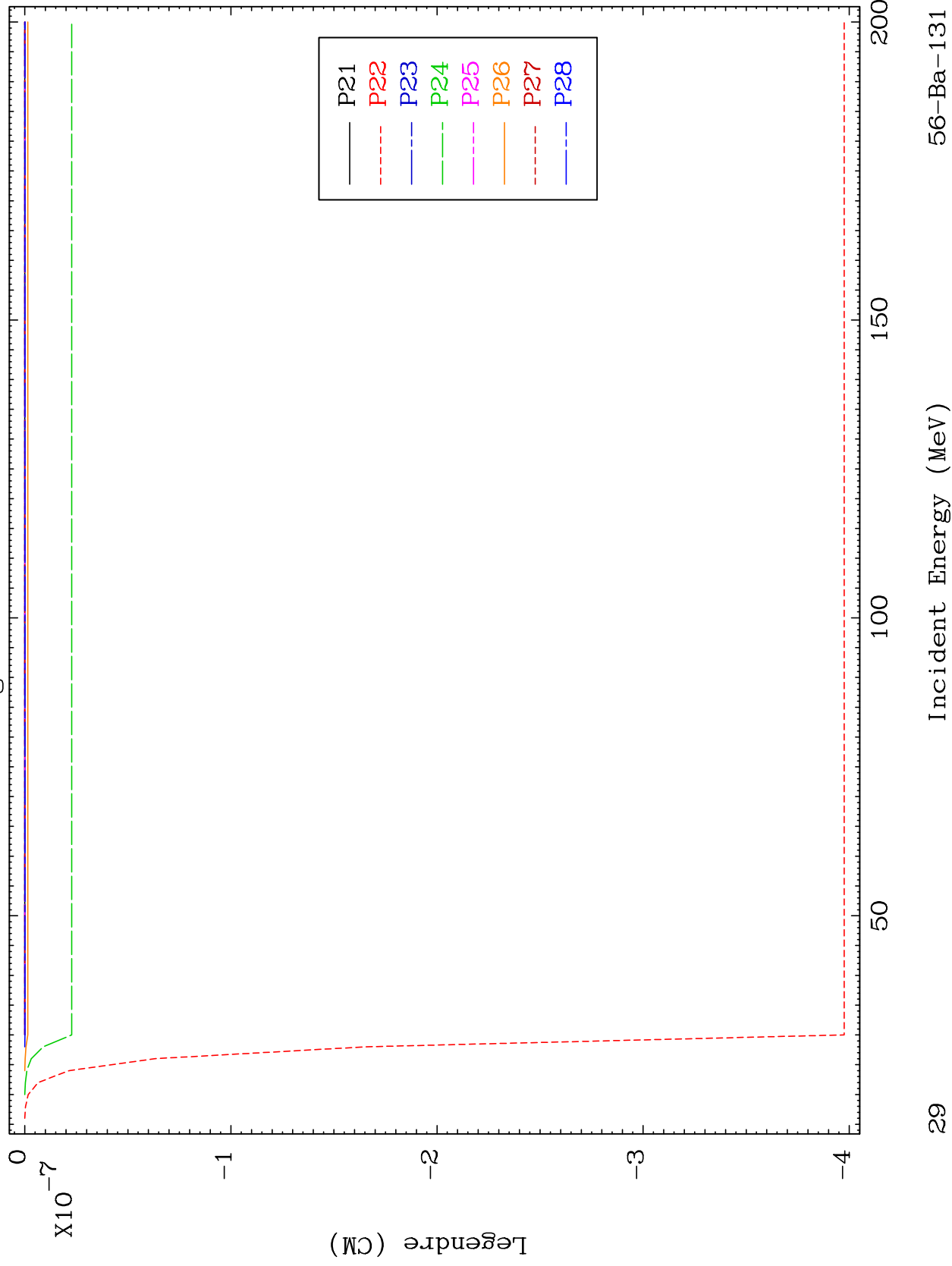
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



29

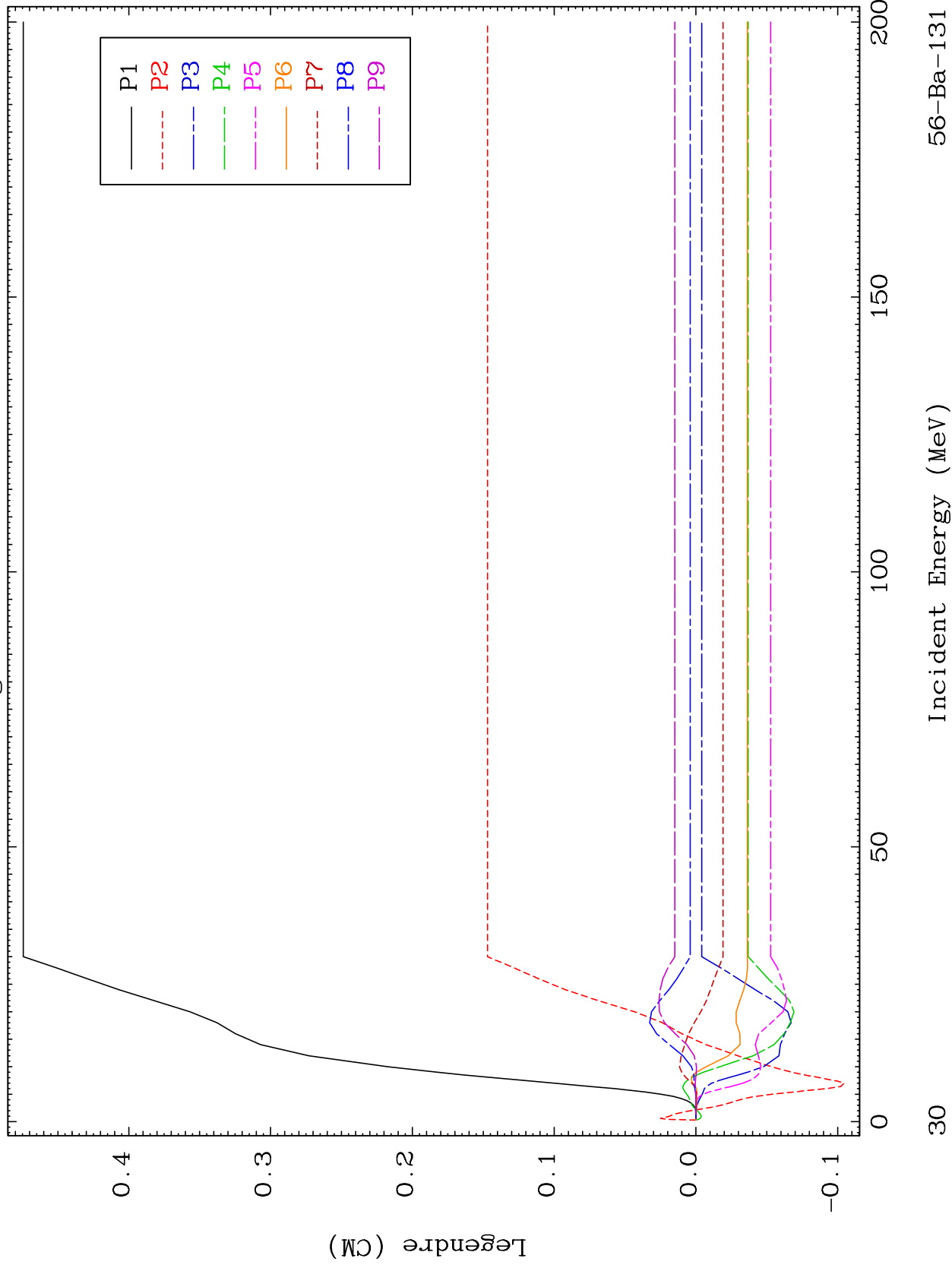
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

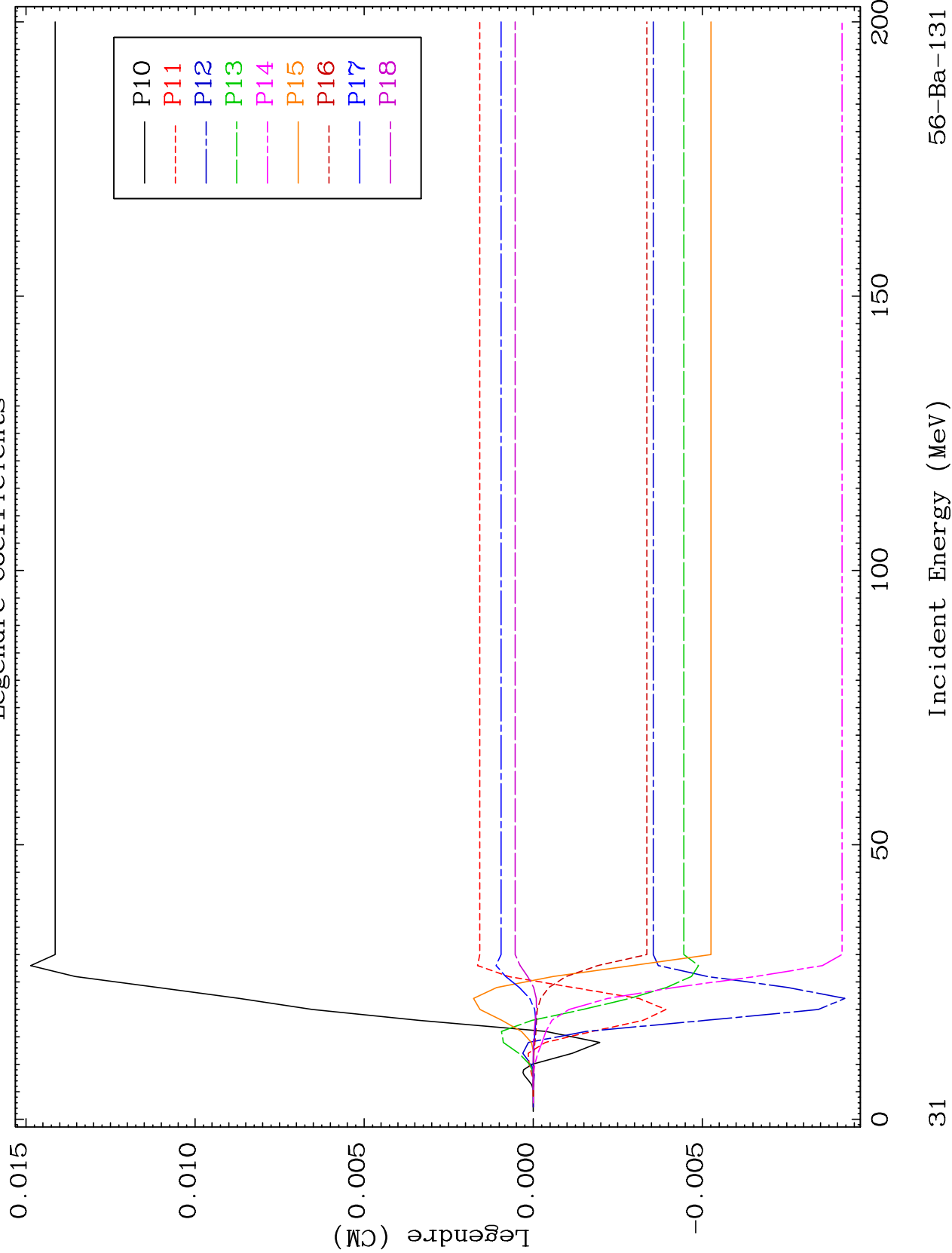


56-Ba-131

MAT 5628

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

56-Ba-131



31

Incident Energy (MeV)

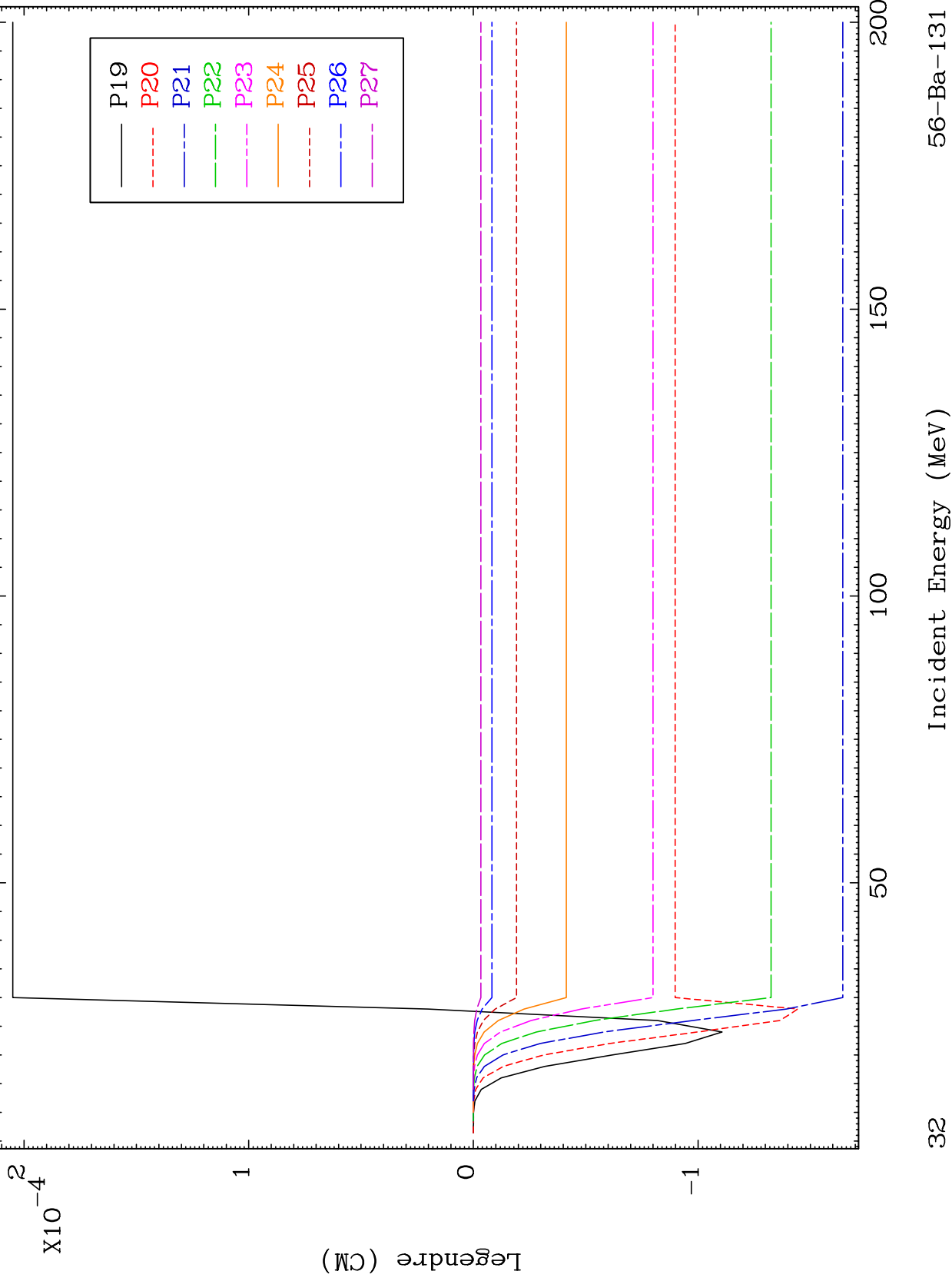
56-Ba-131



MAT 5628

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

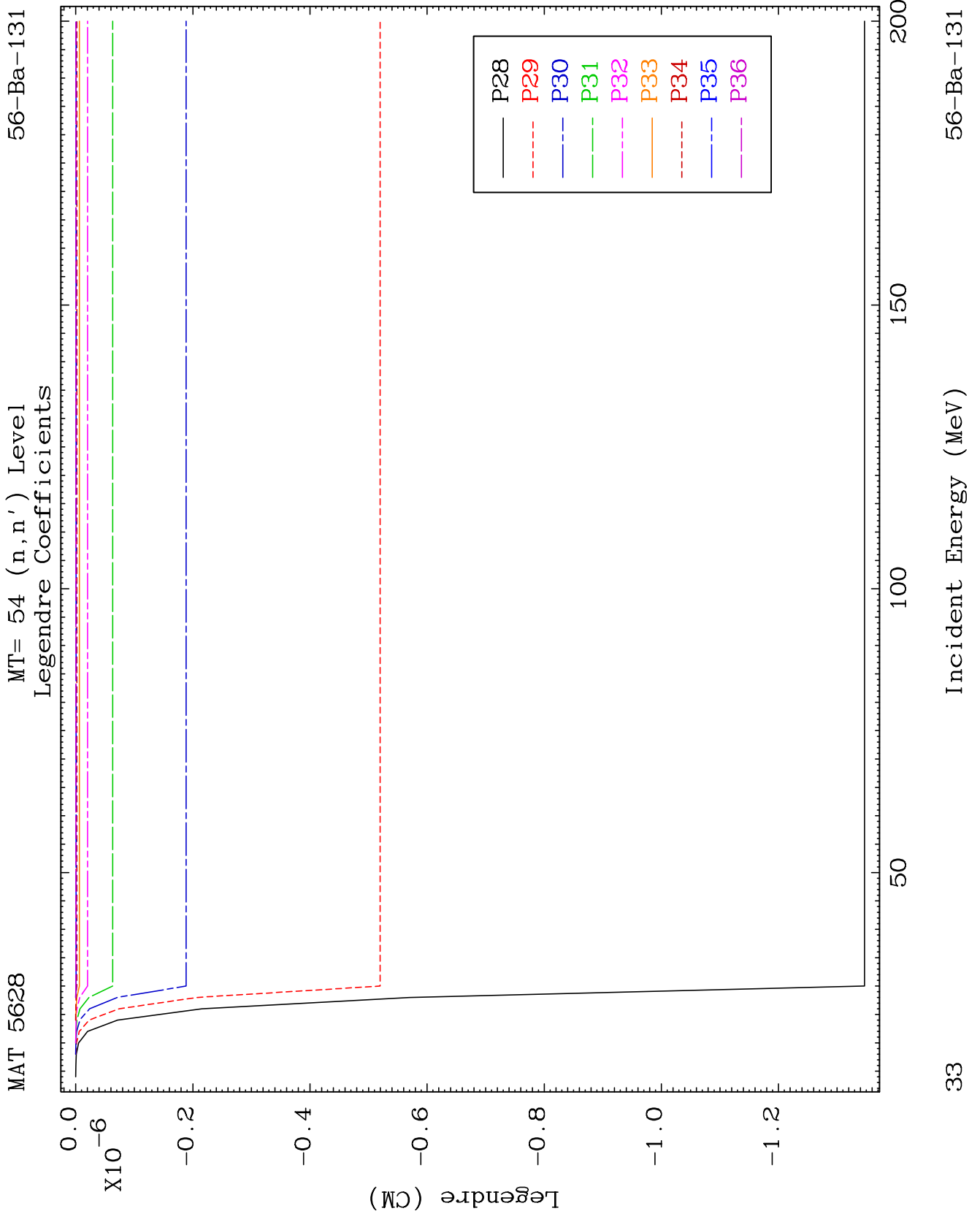
56-Ba-131



32

Incident Energy (MeV)

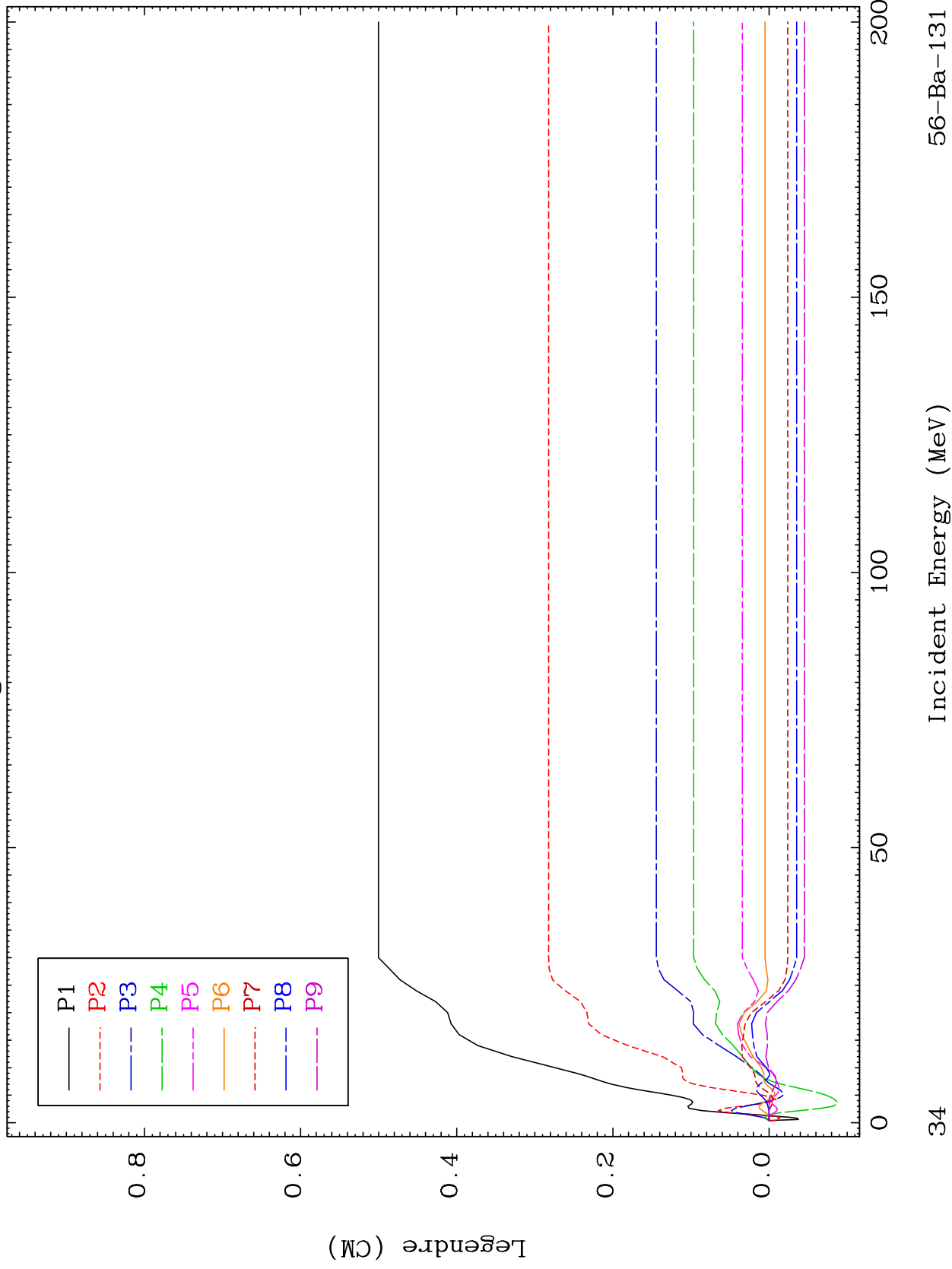
56-Ba-131



MAT 5628

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

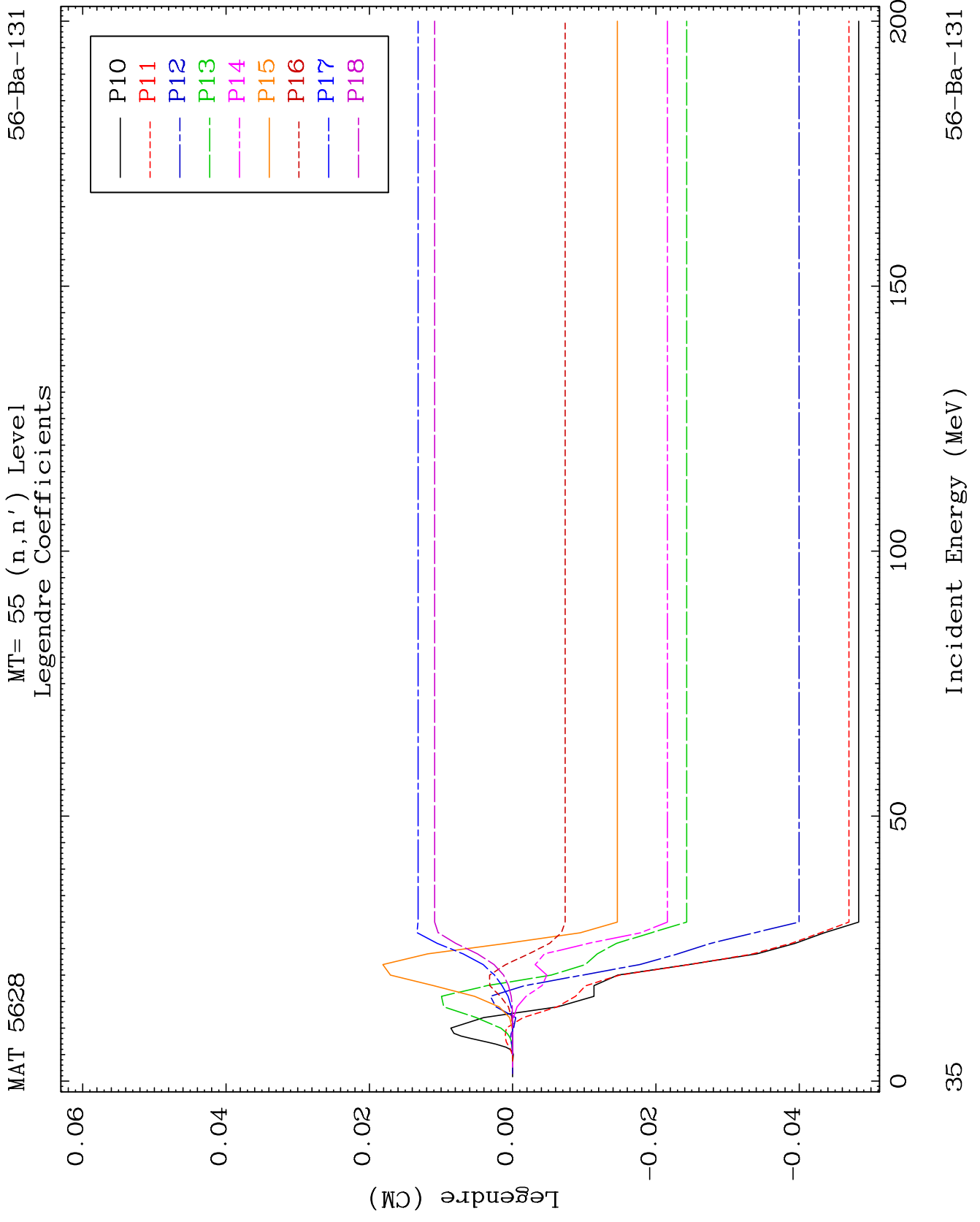
56-Ba-131



56-Ba-131

Incident Energy (MeV)

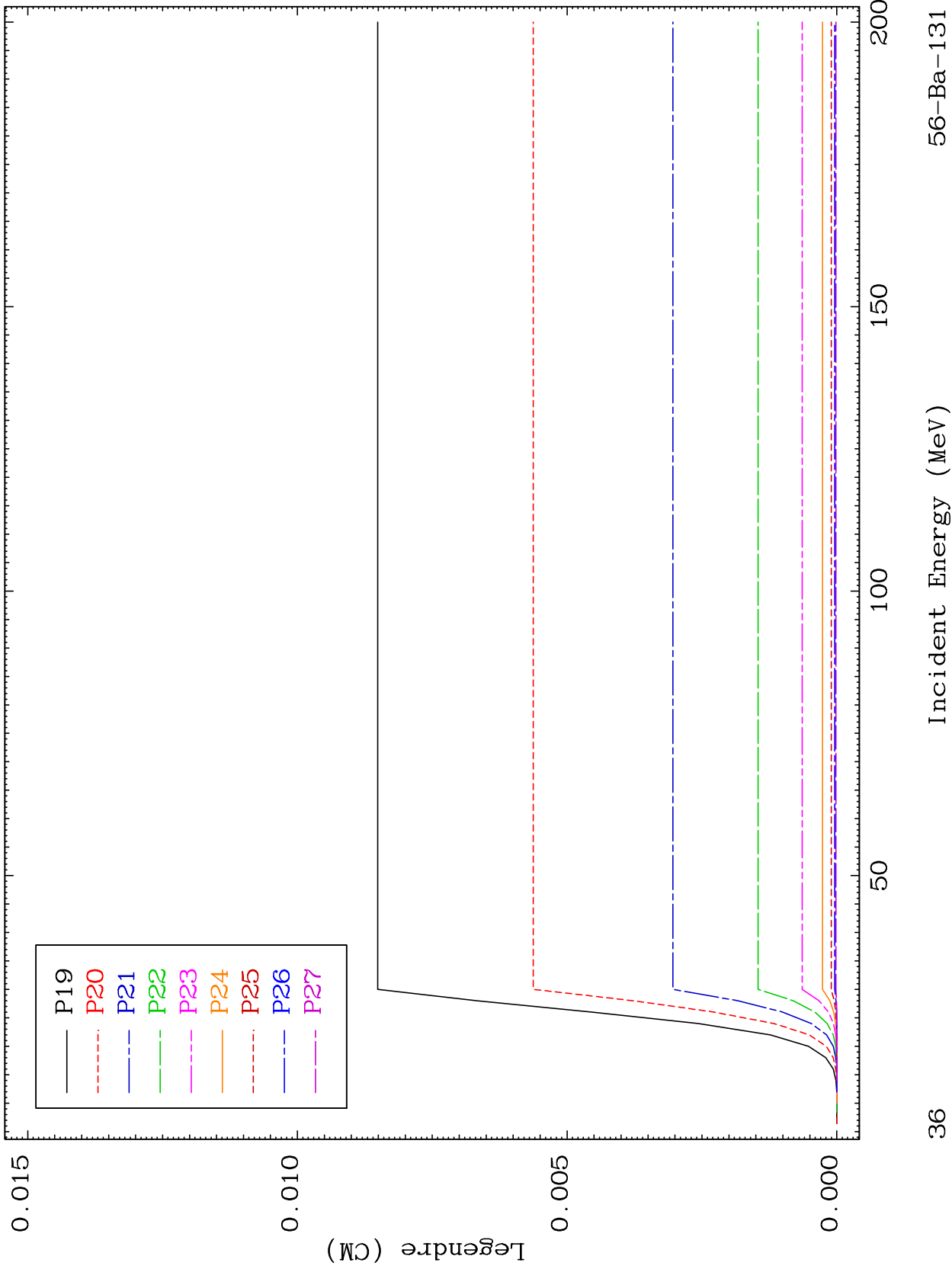
34



MAT 5628

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

56-Ba-131



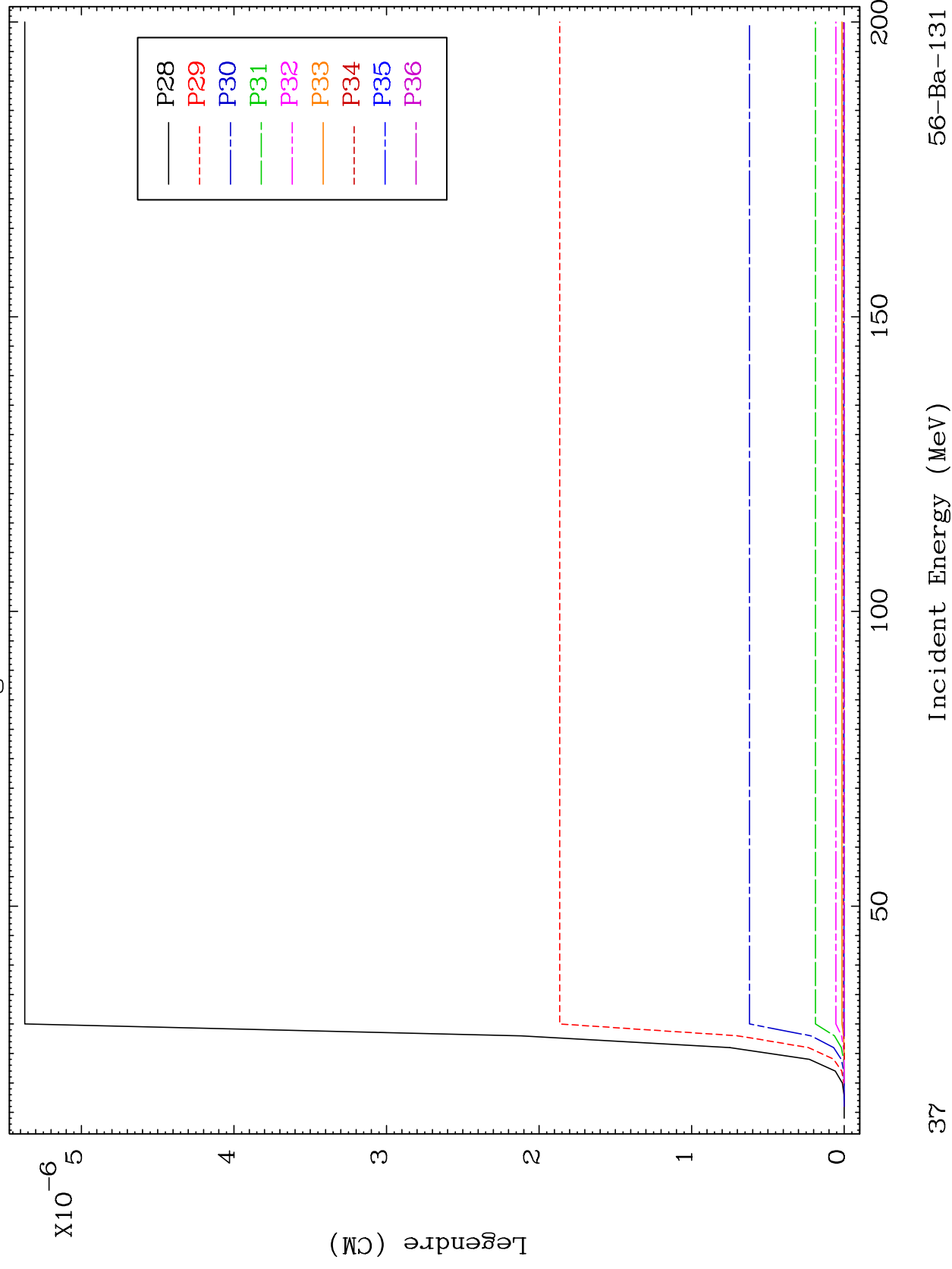
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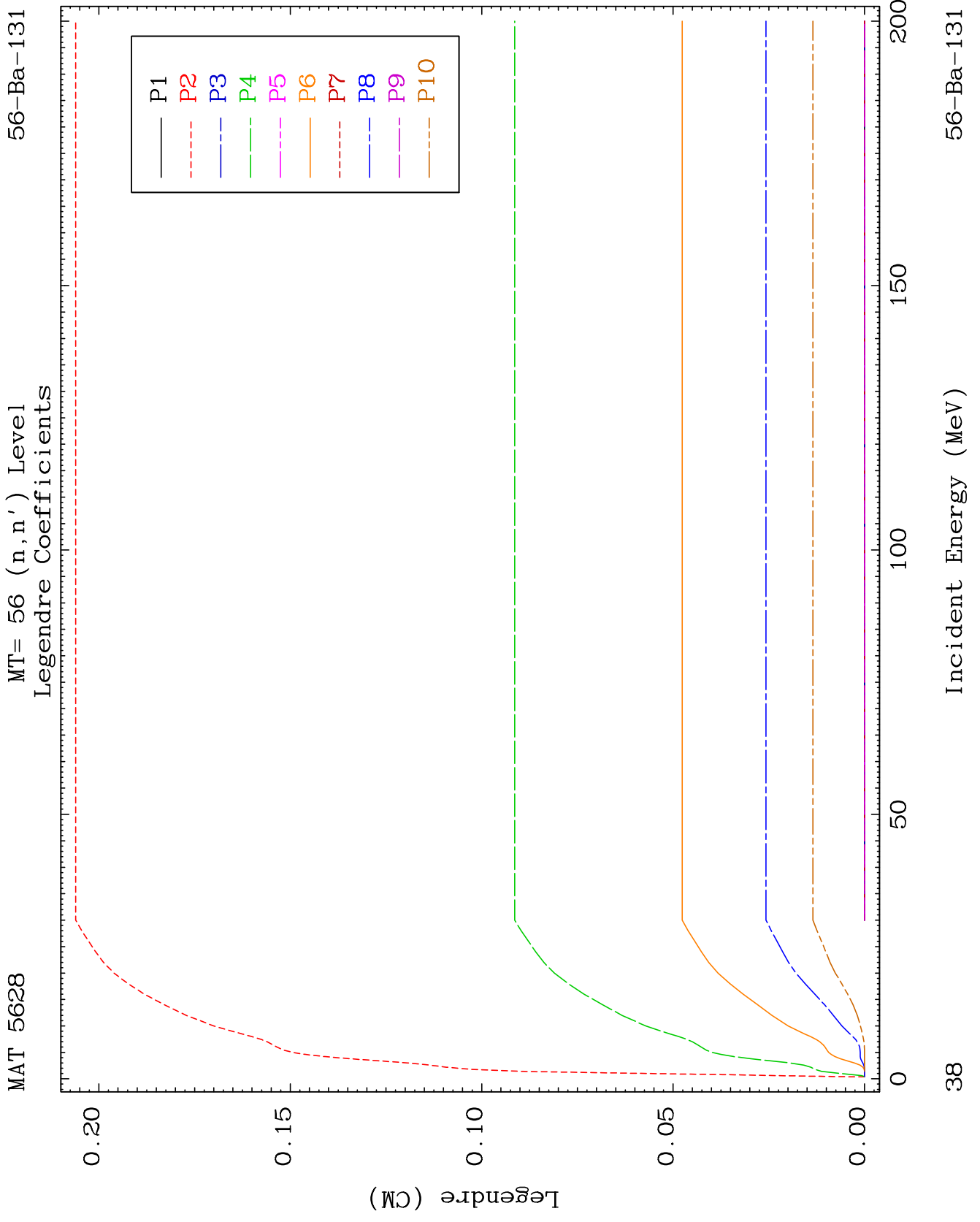
56-Ba-131

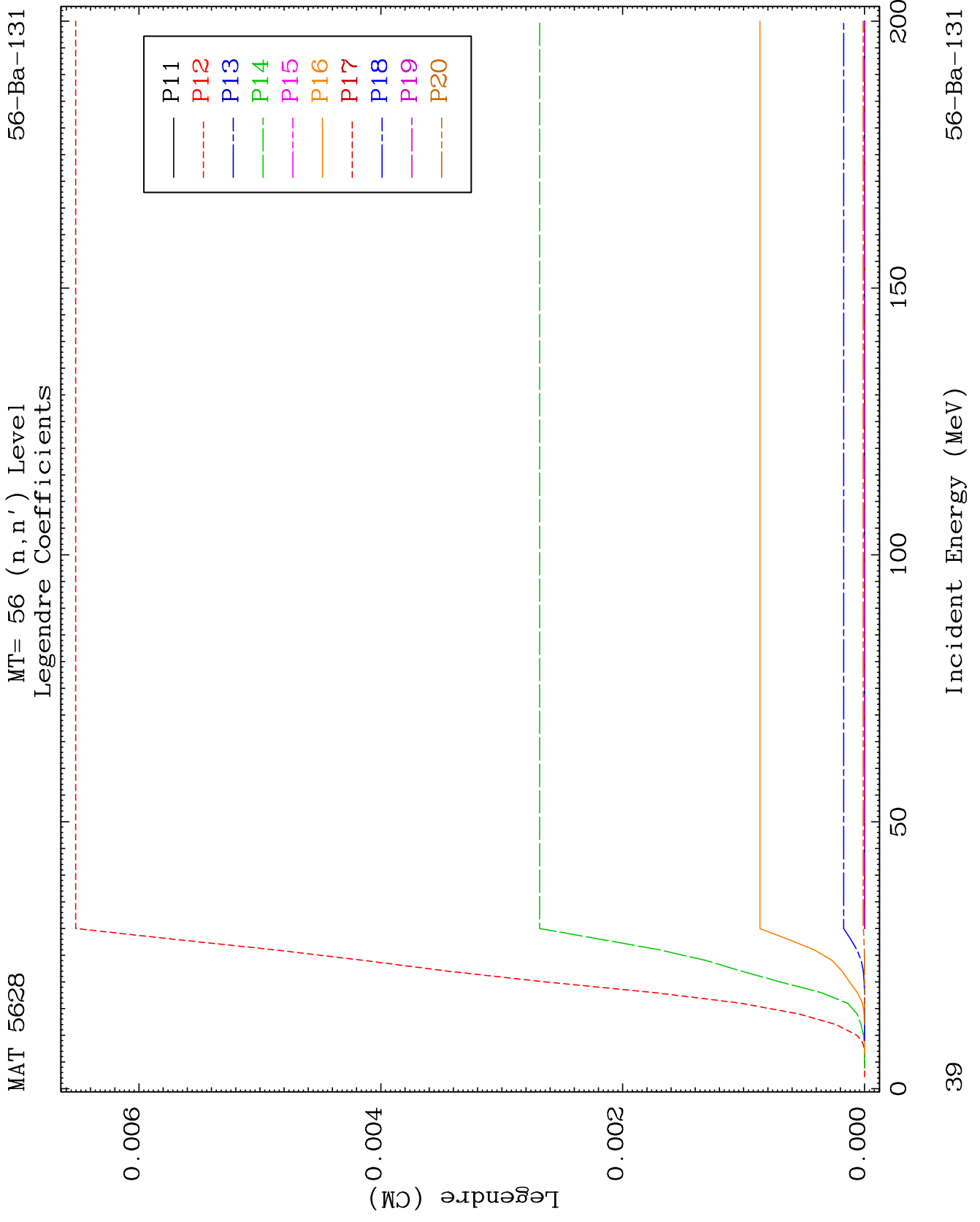
MAT 5628

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

56-Ba-131





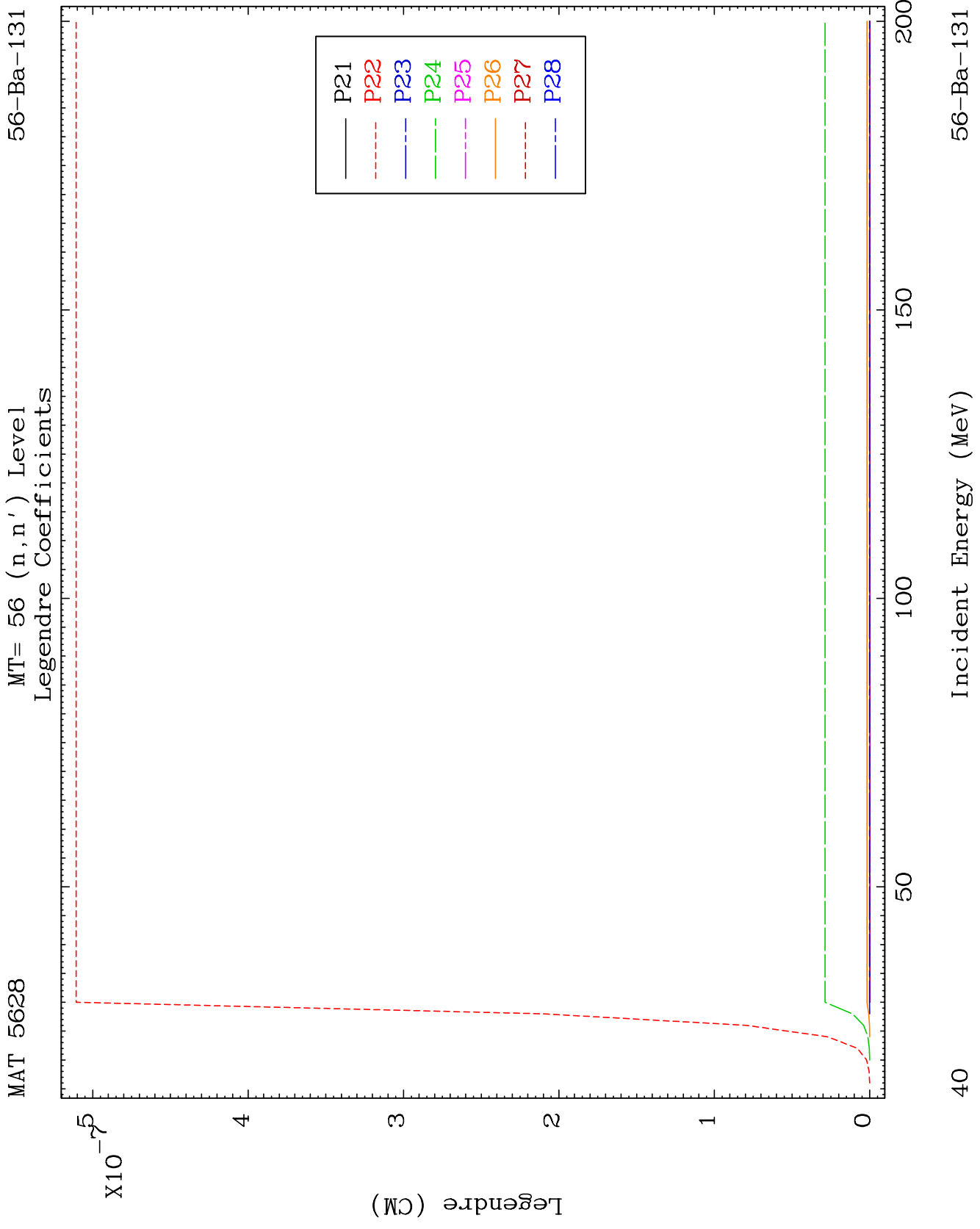


56-Ba-131

Incident Energy (MeV)

39

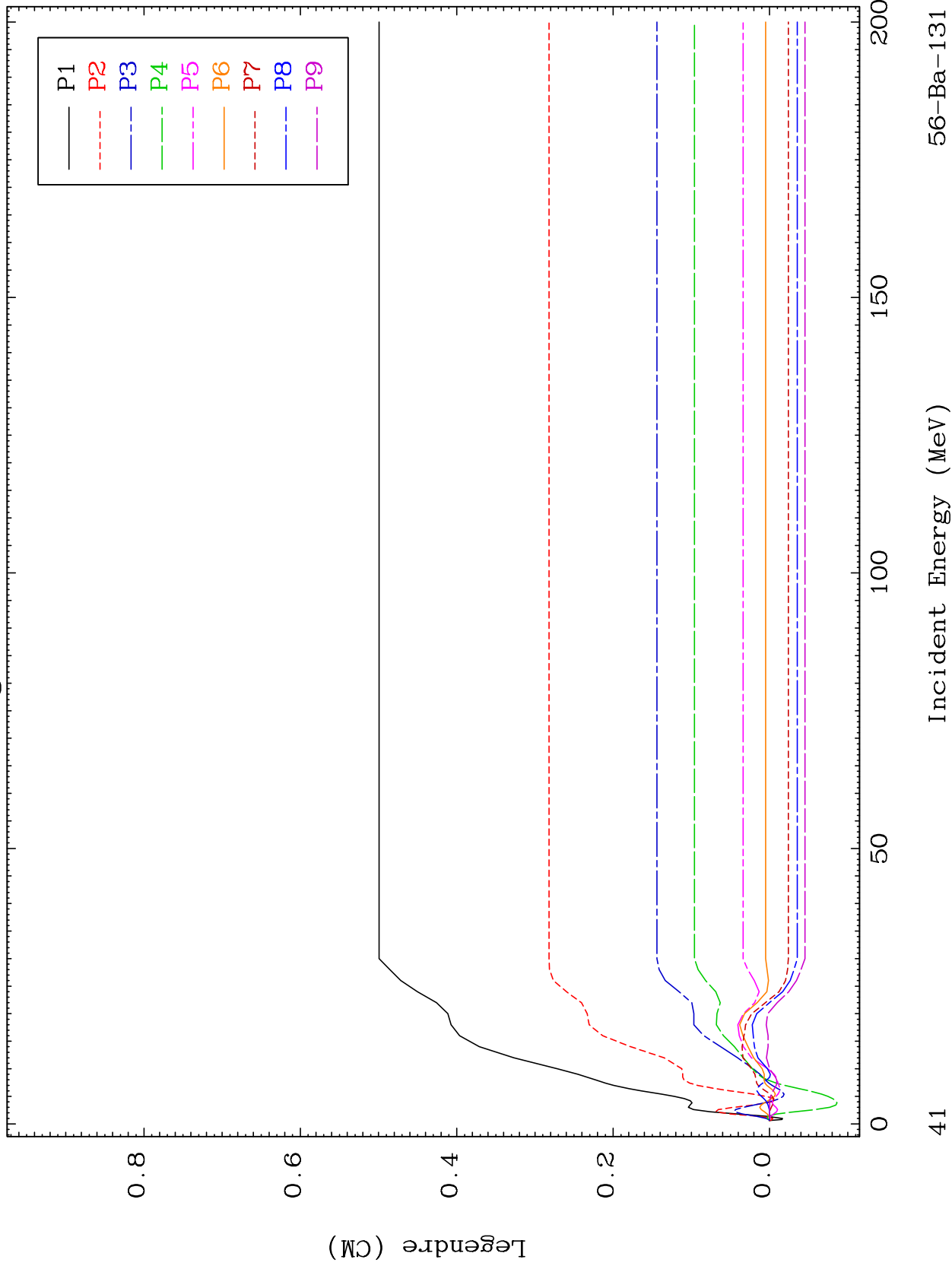




MAT 5628

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

56-Ba-131



56-Ba-131

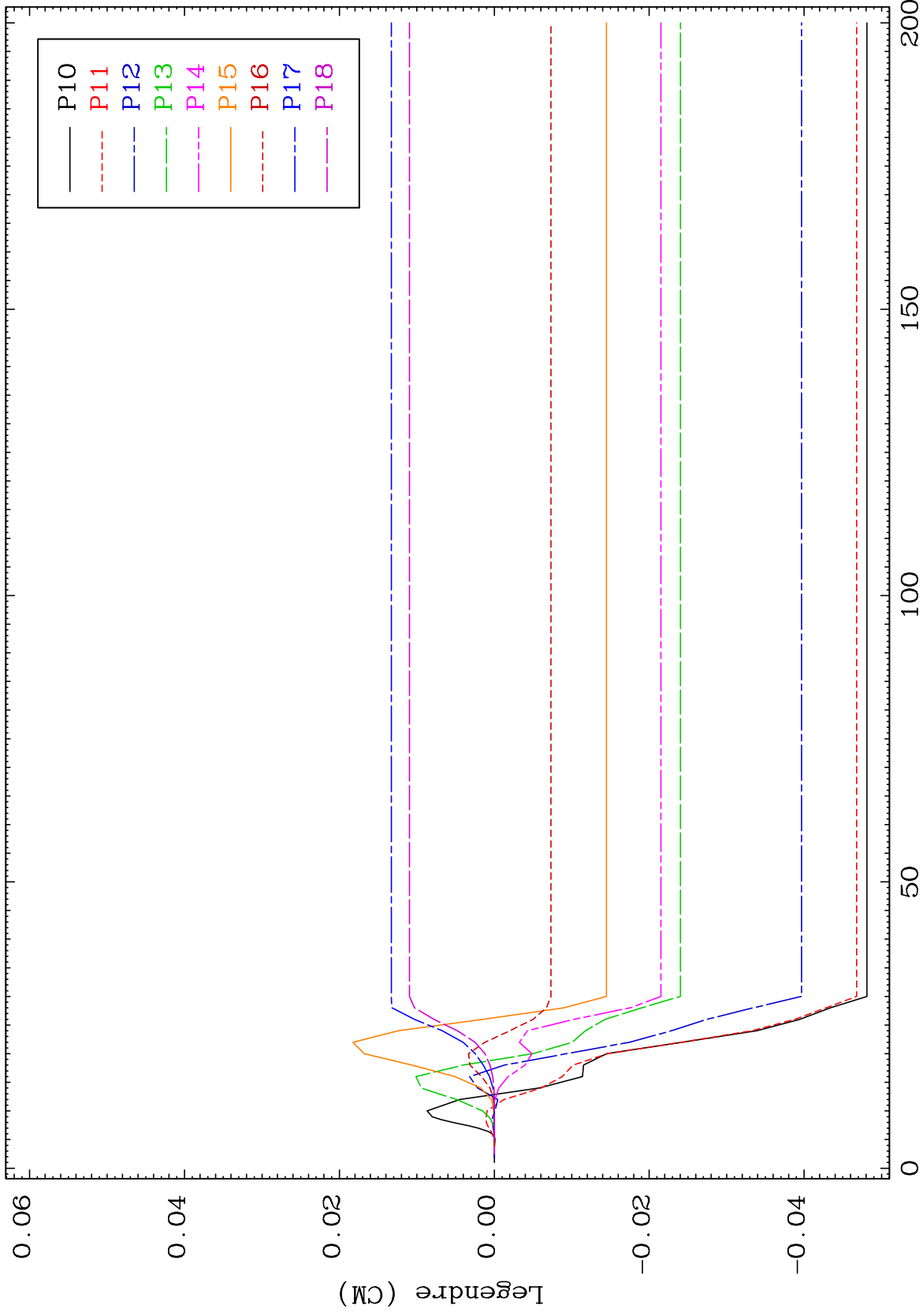
Incident Energy (MeV)

41

MAT 5628

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

56-Ba-131



42

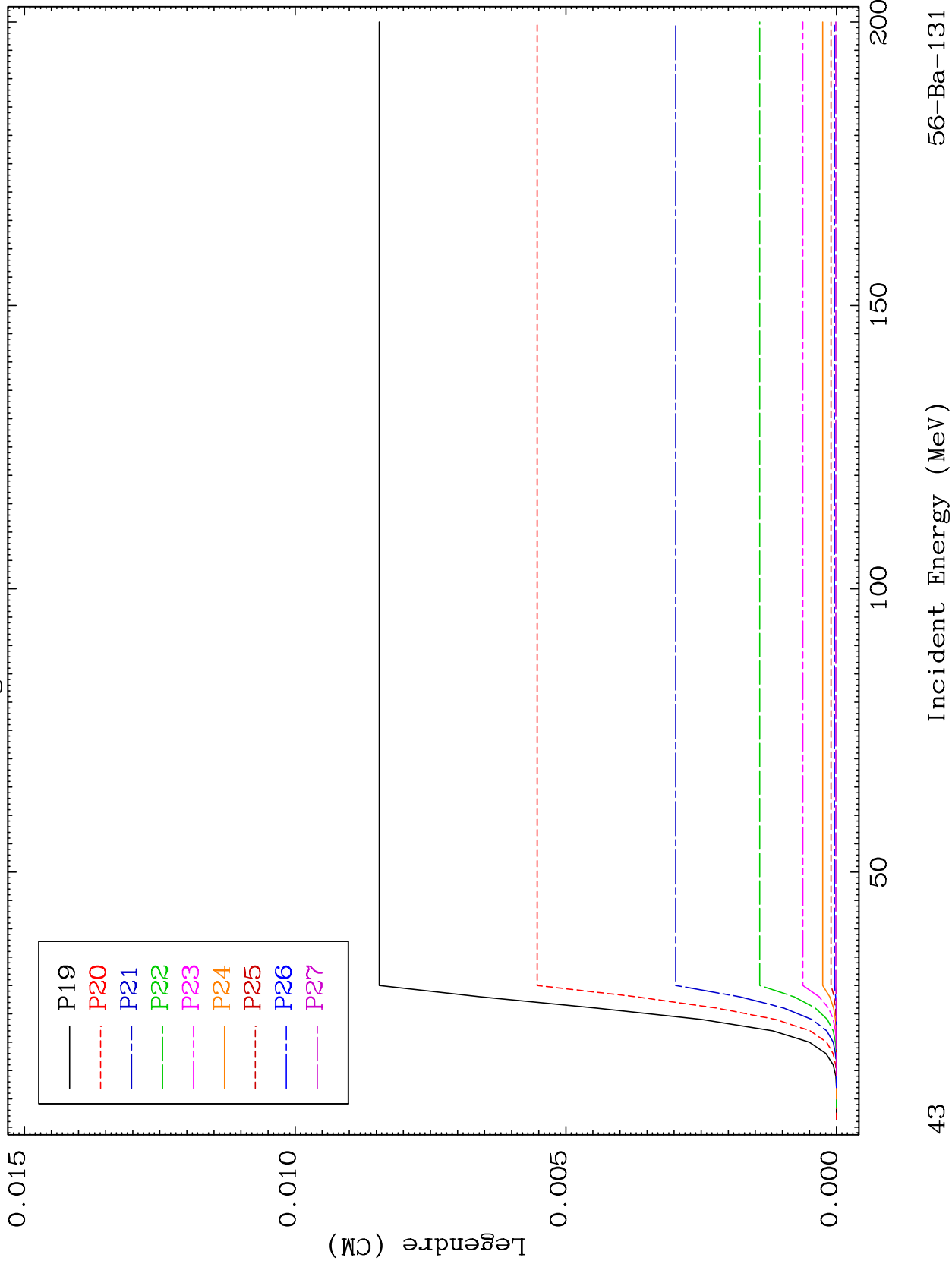
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



43

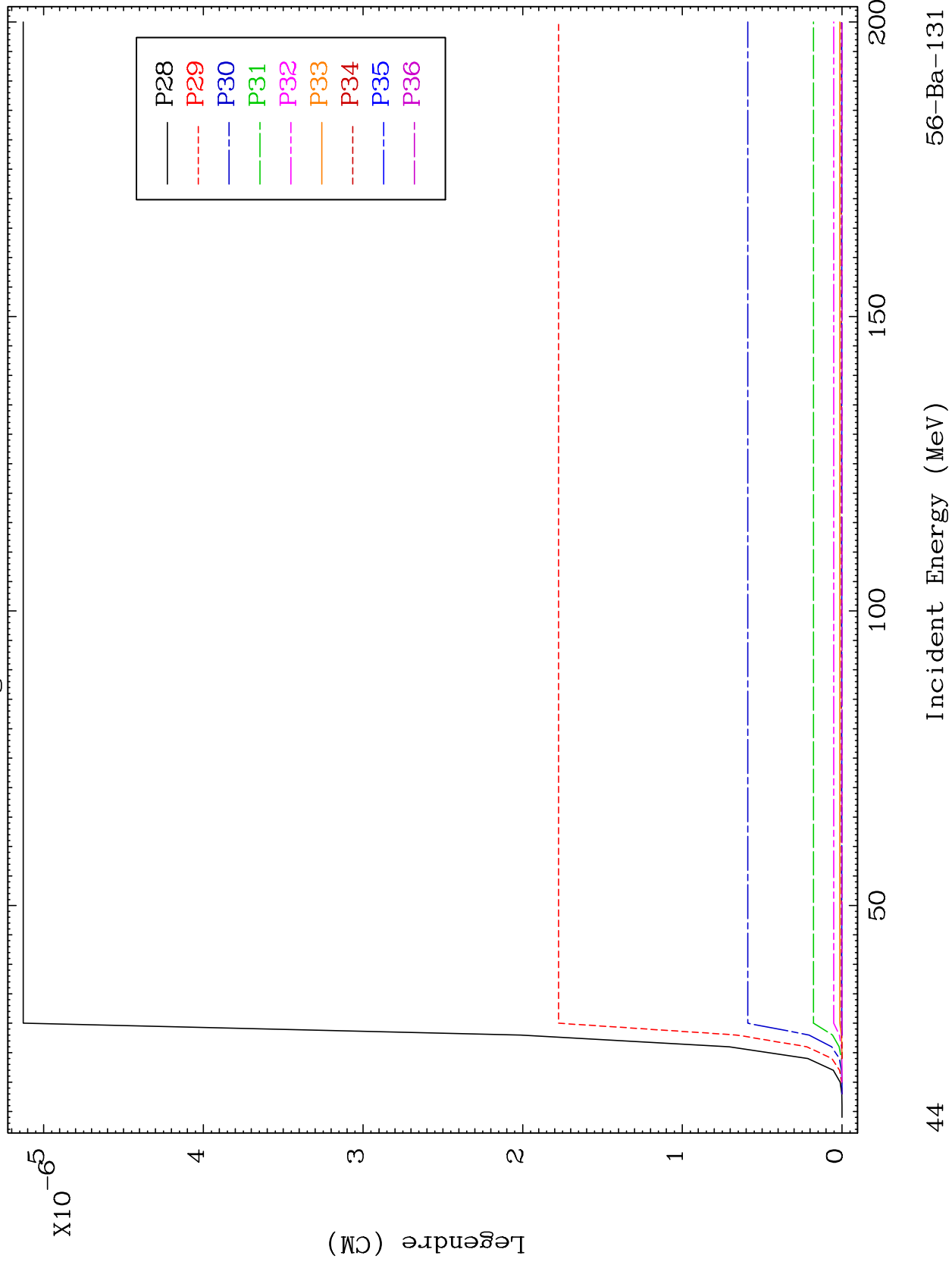
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



44

Incident Energy (MeV)

56-Ba-131

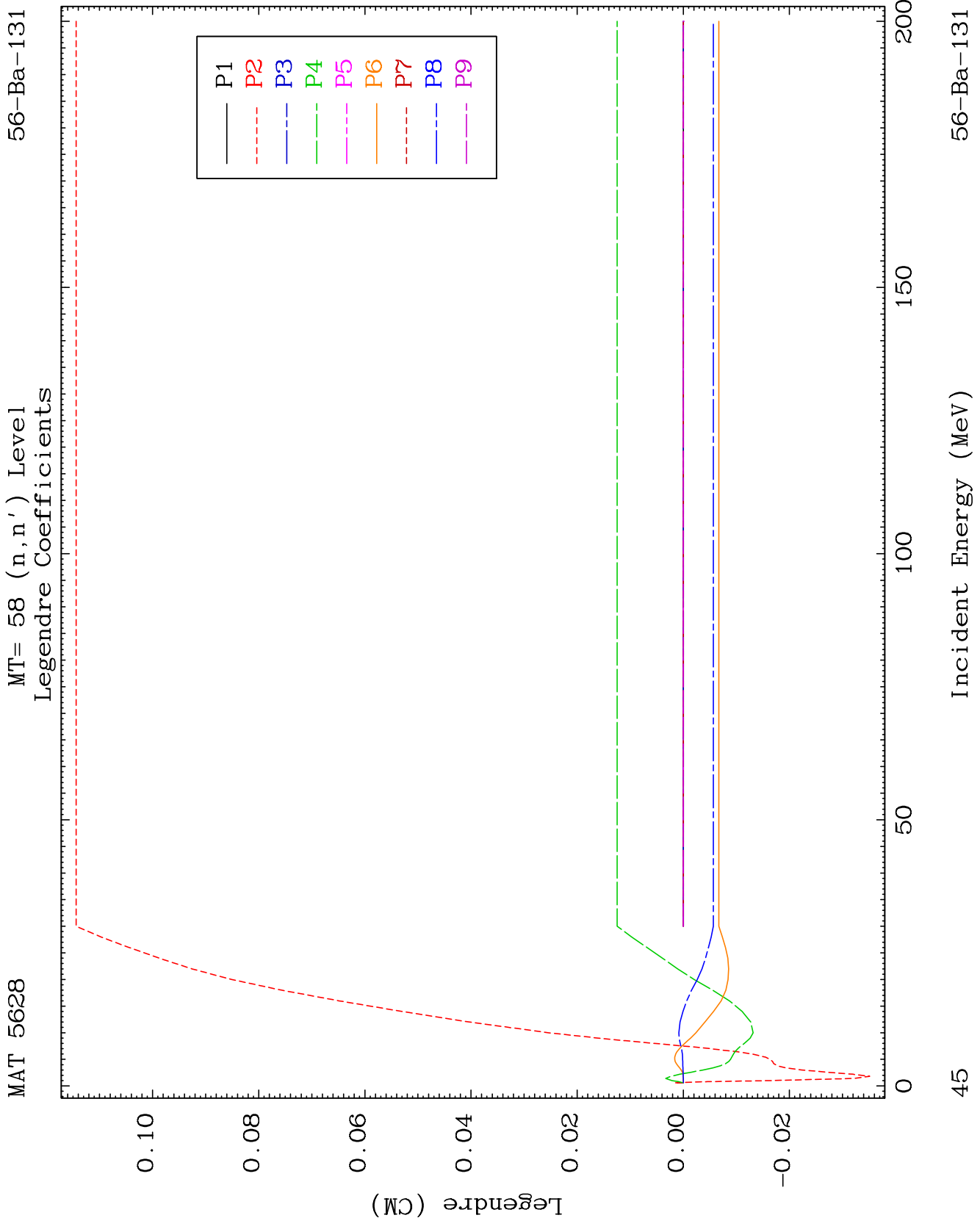
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150

100

50

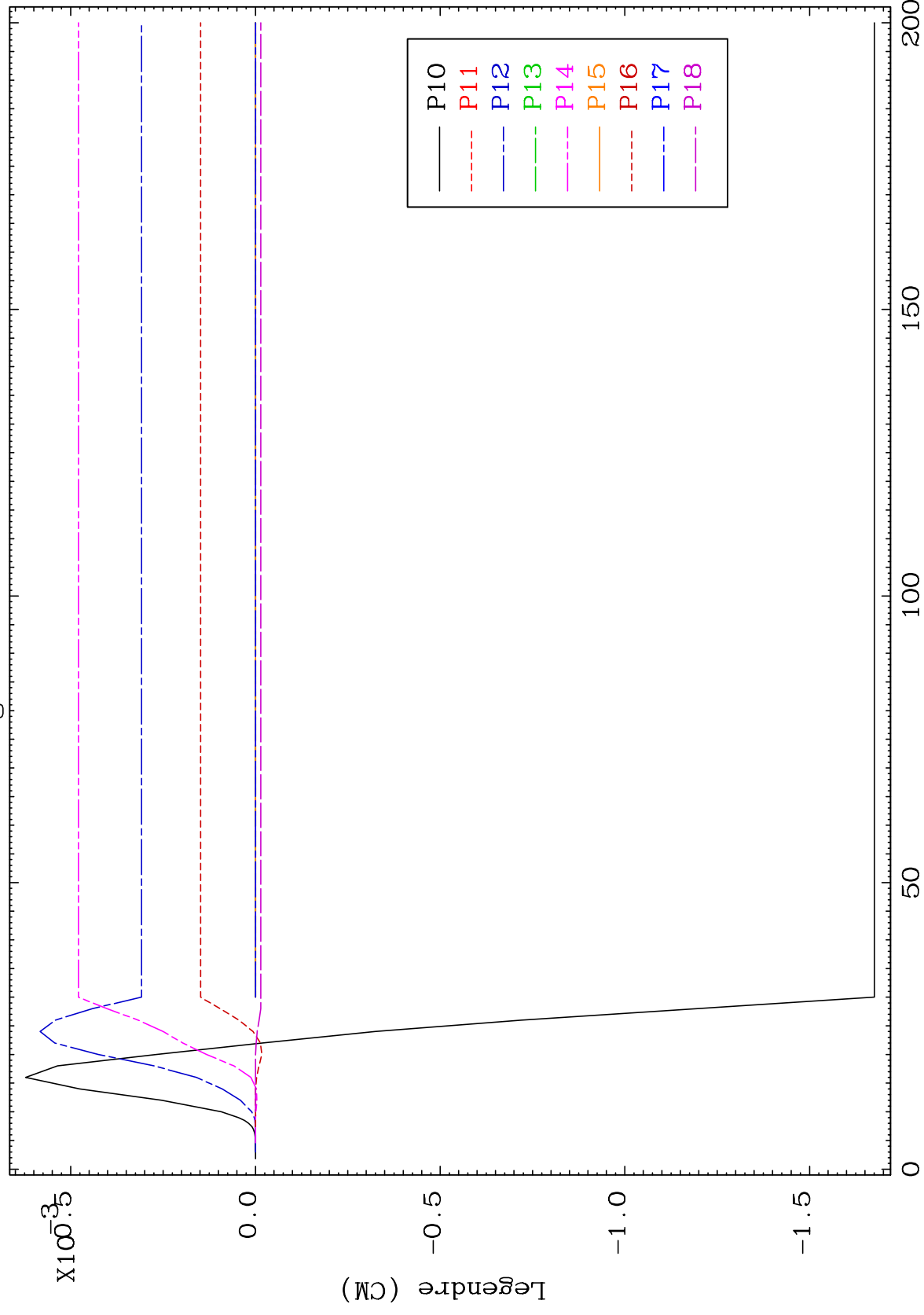
$\times 10^{-6}$



MAT 5628

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

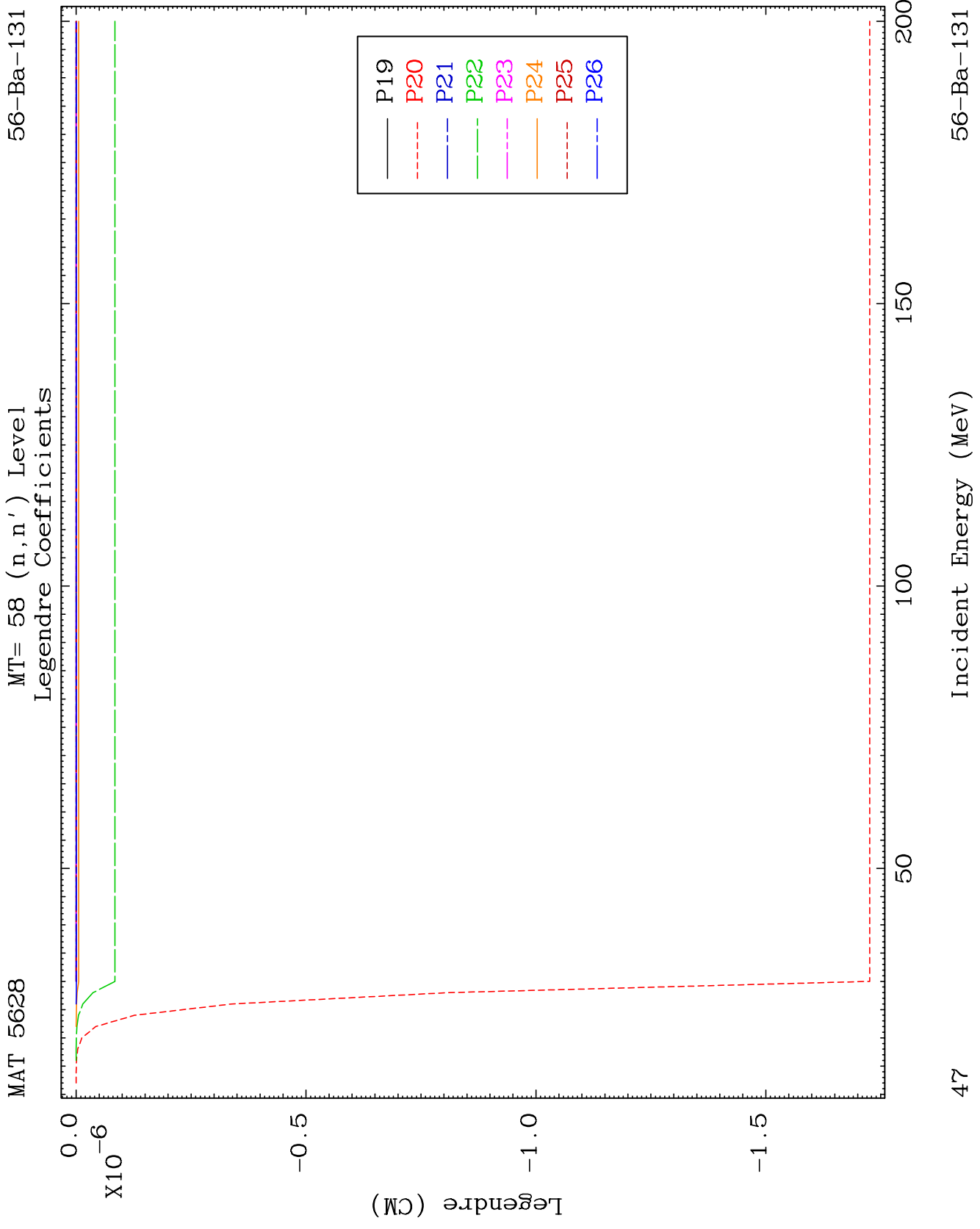
56-Ba-131



46

Incident Energy (MeV)

56-Ba-131



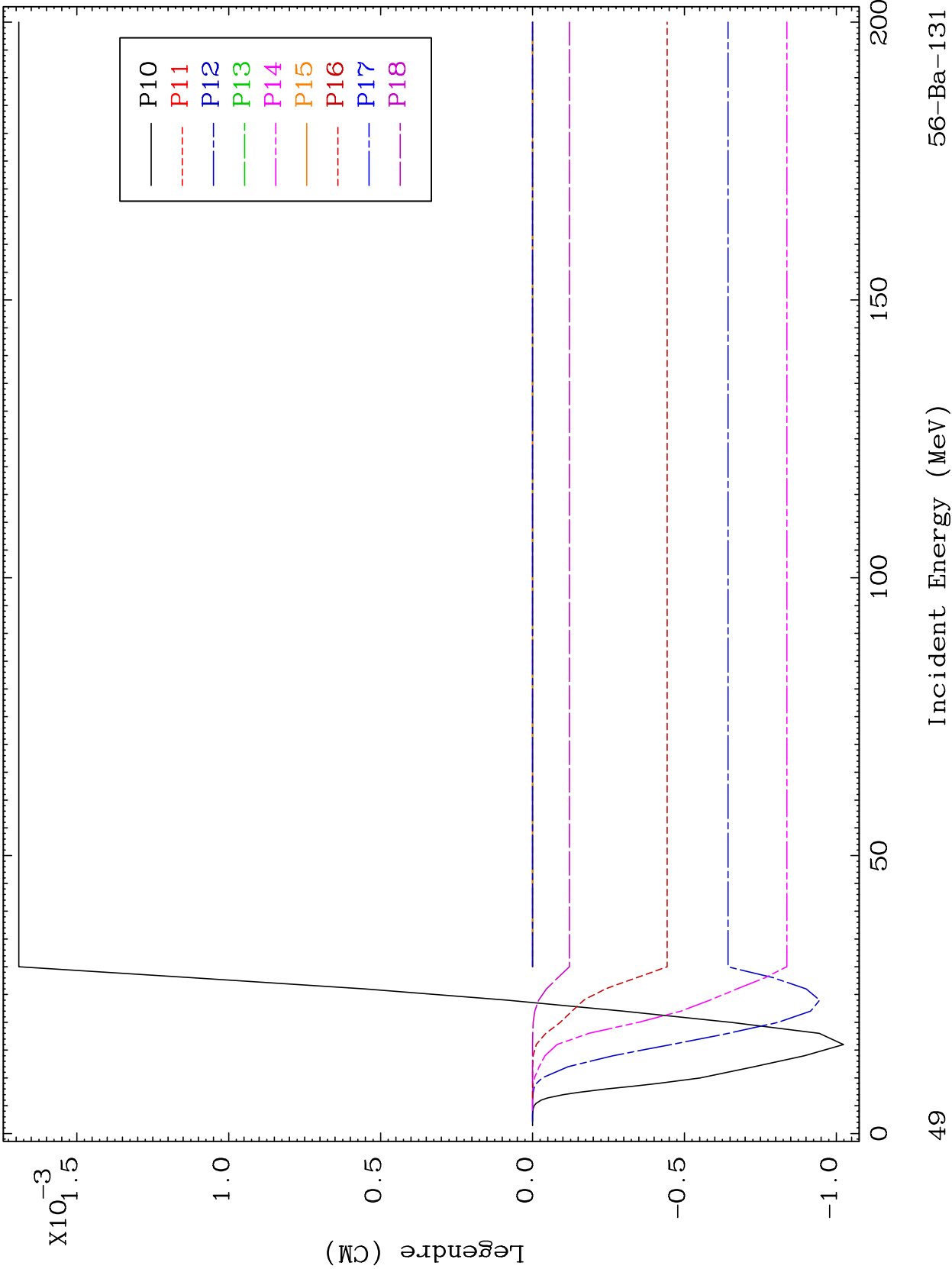




MAT 5628

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

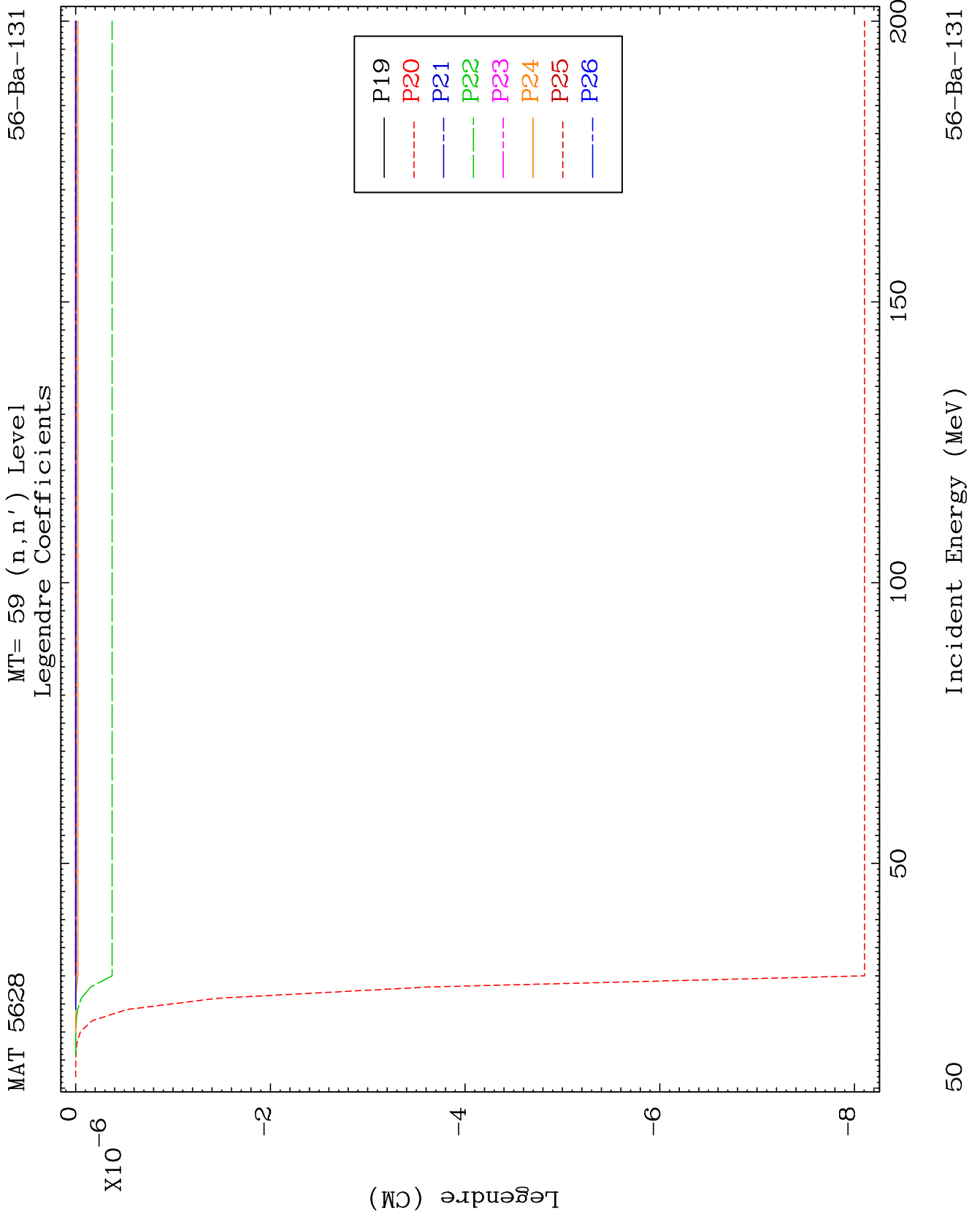
56-Ba-131



56-Ba-131

Incident Energy (MeV)

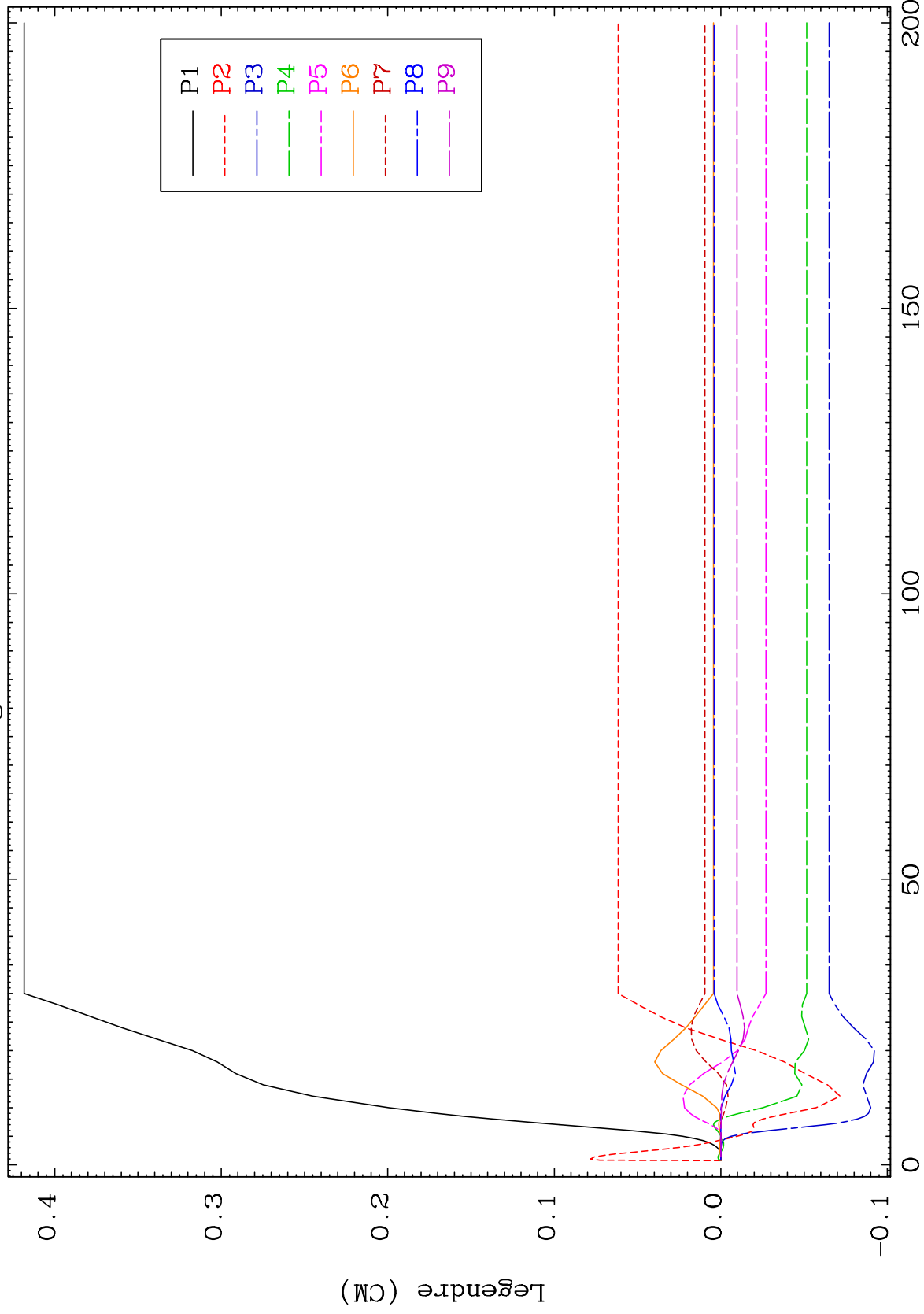
49



MAT 5628

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

56-Ba-131



51

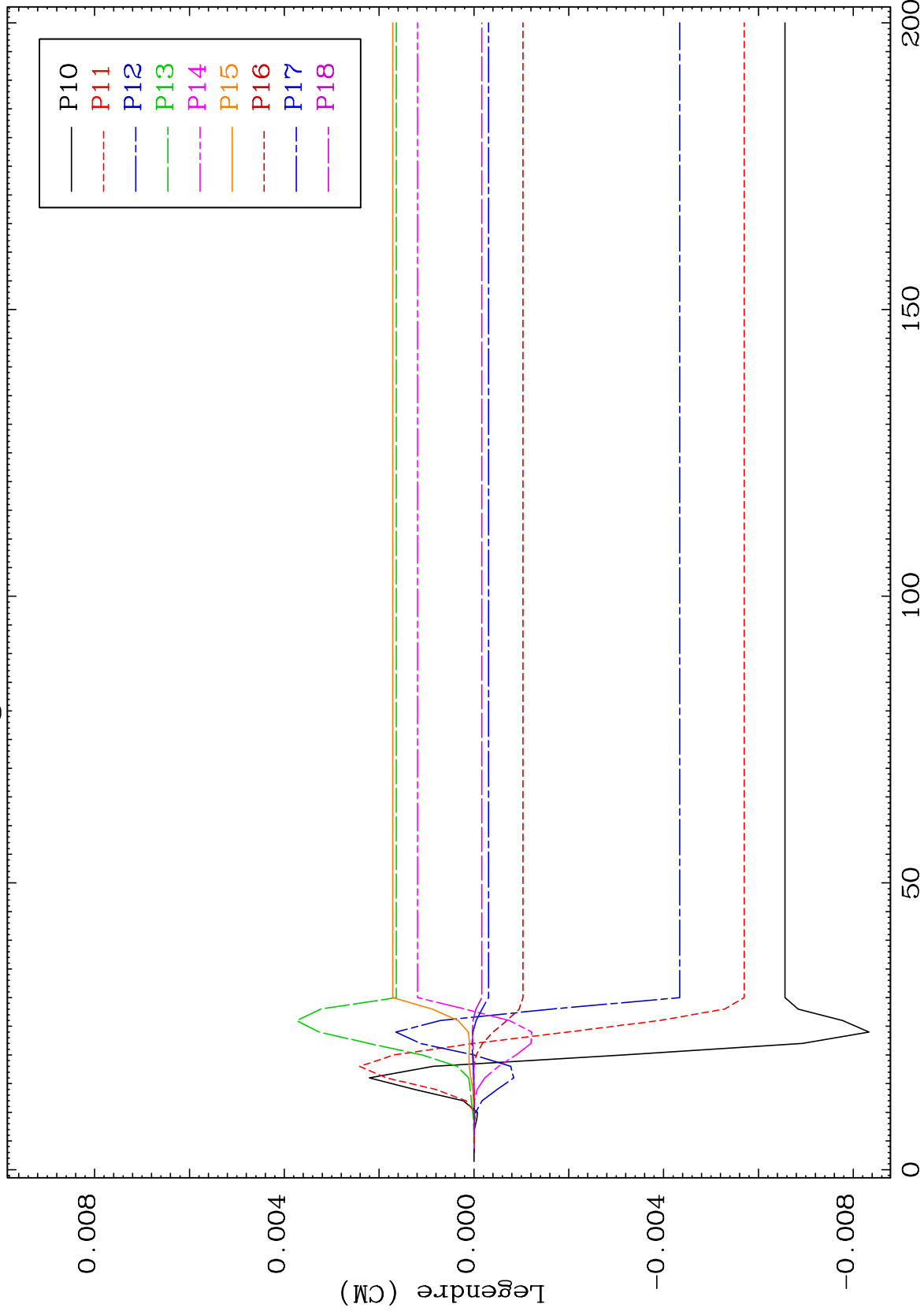
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

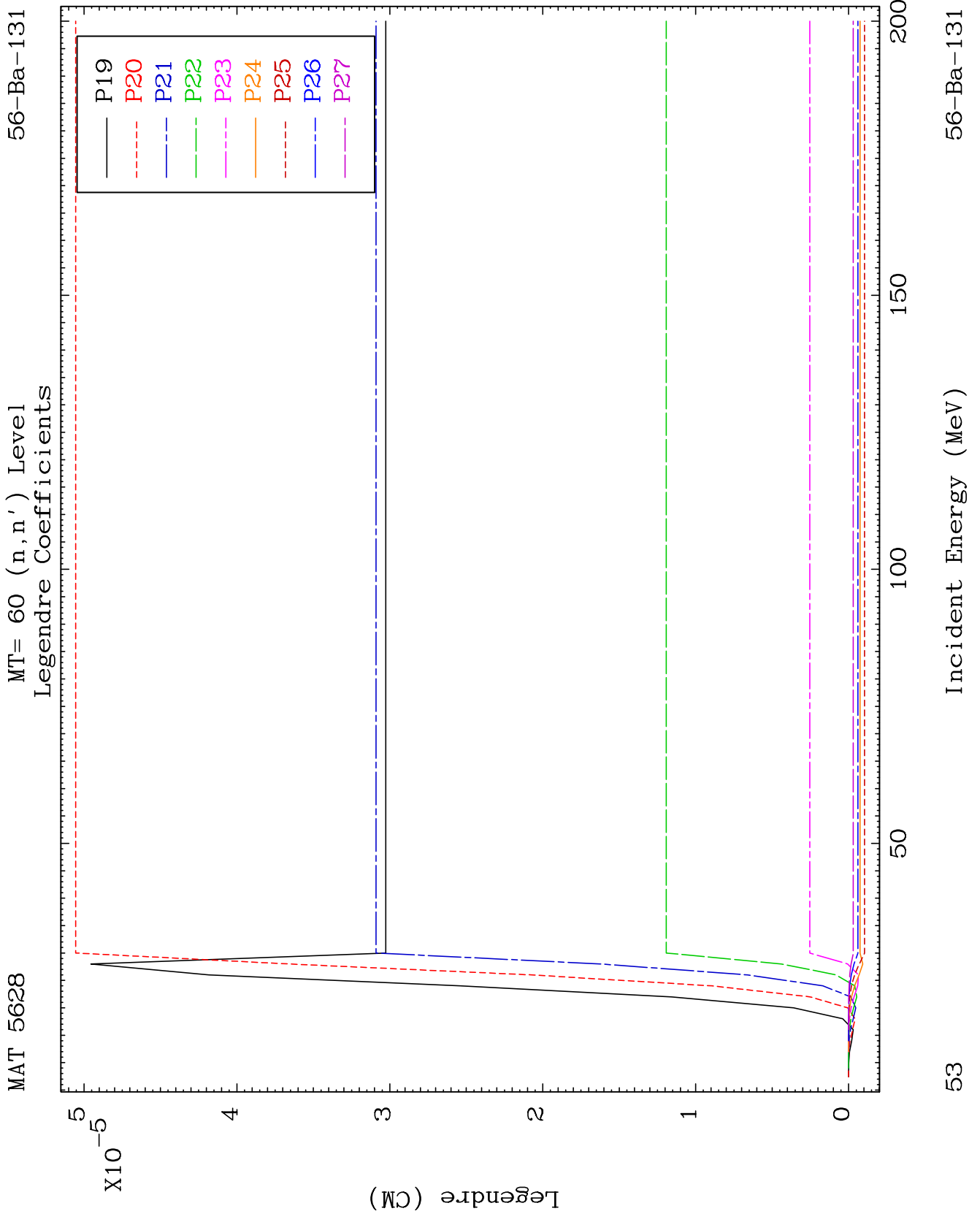
56-Ba-131

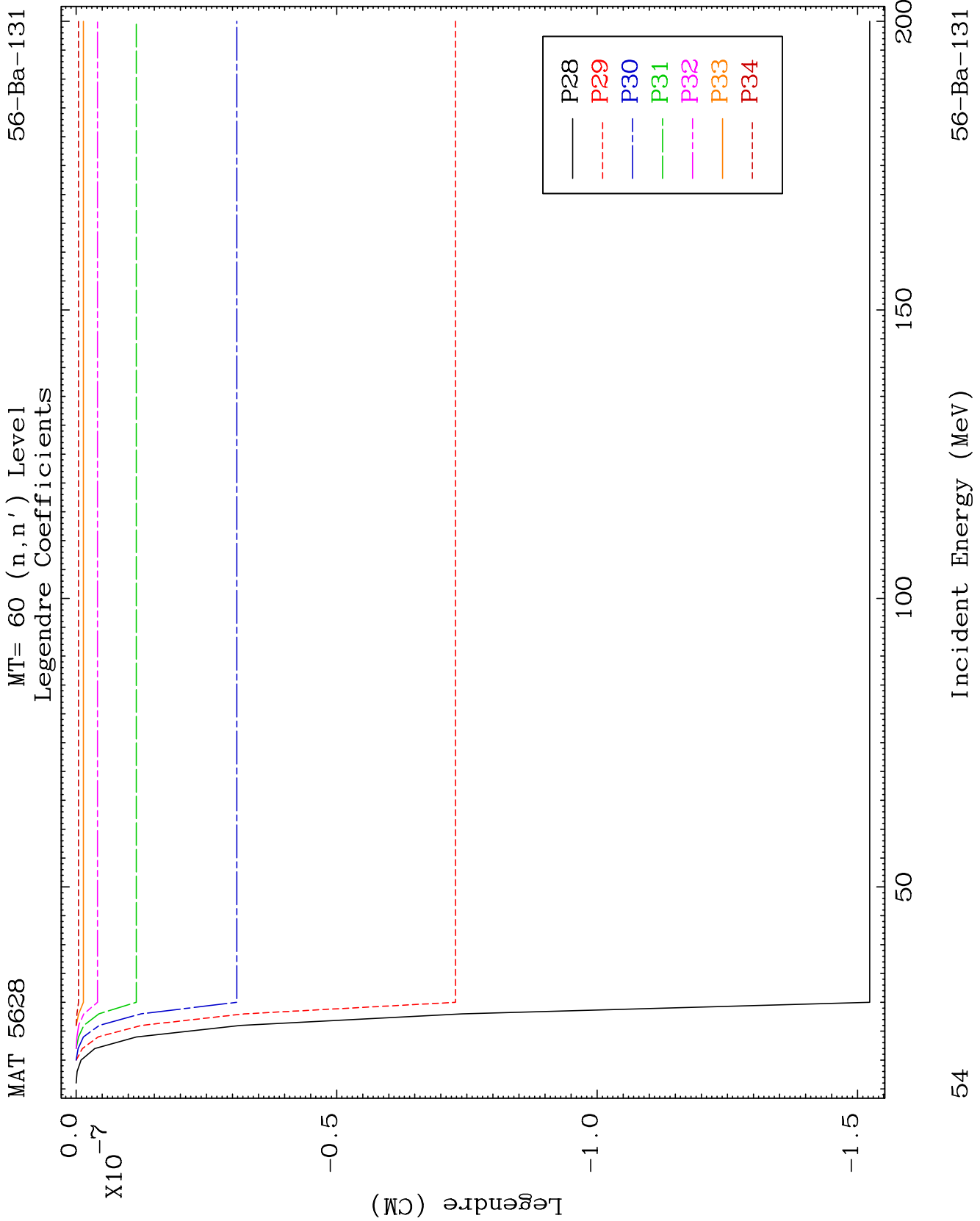


52

Incident Energy (MeV)

56-Ba-131





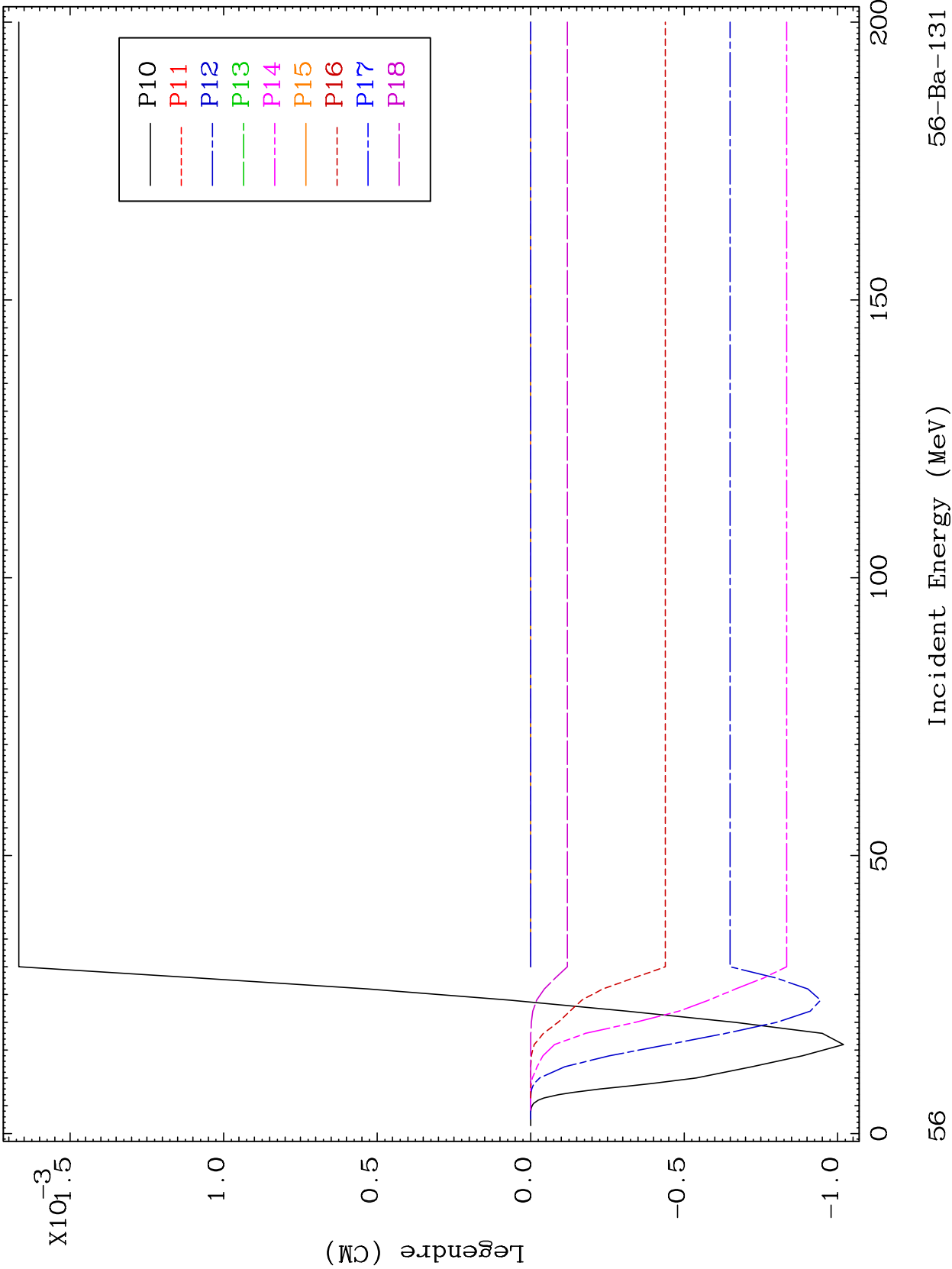




MAT 5628

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

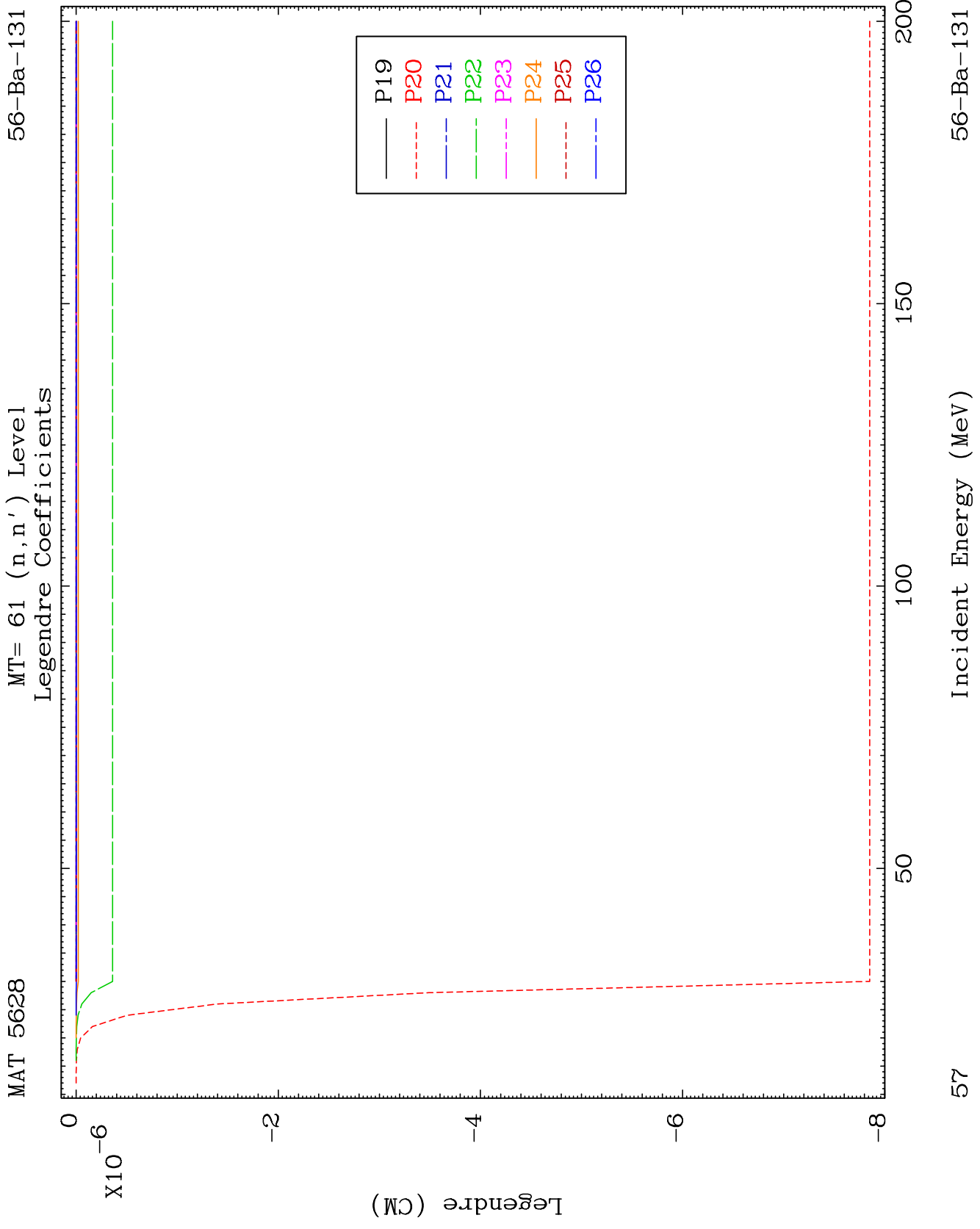
56-Ba-131



56-Ba-131

Incident Energy (MeV)

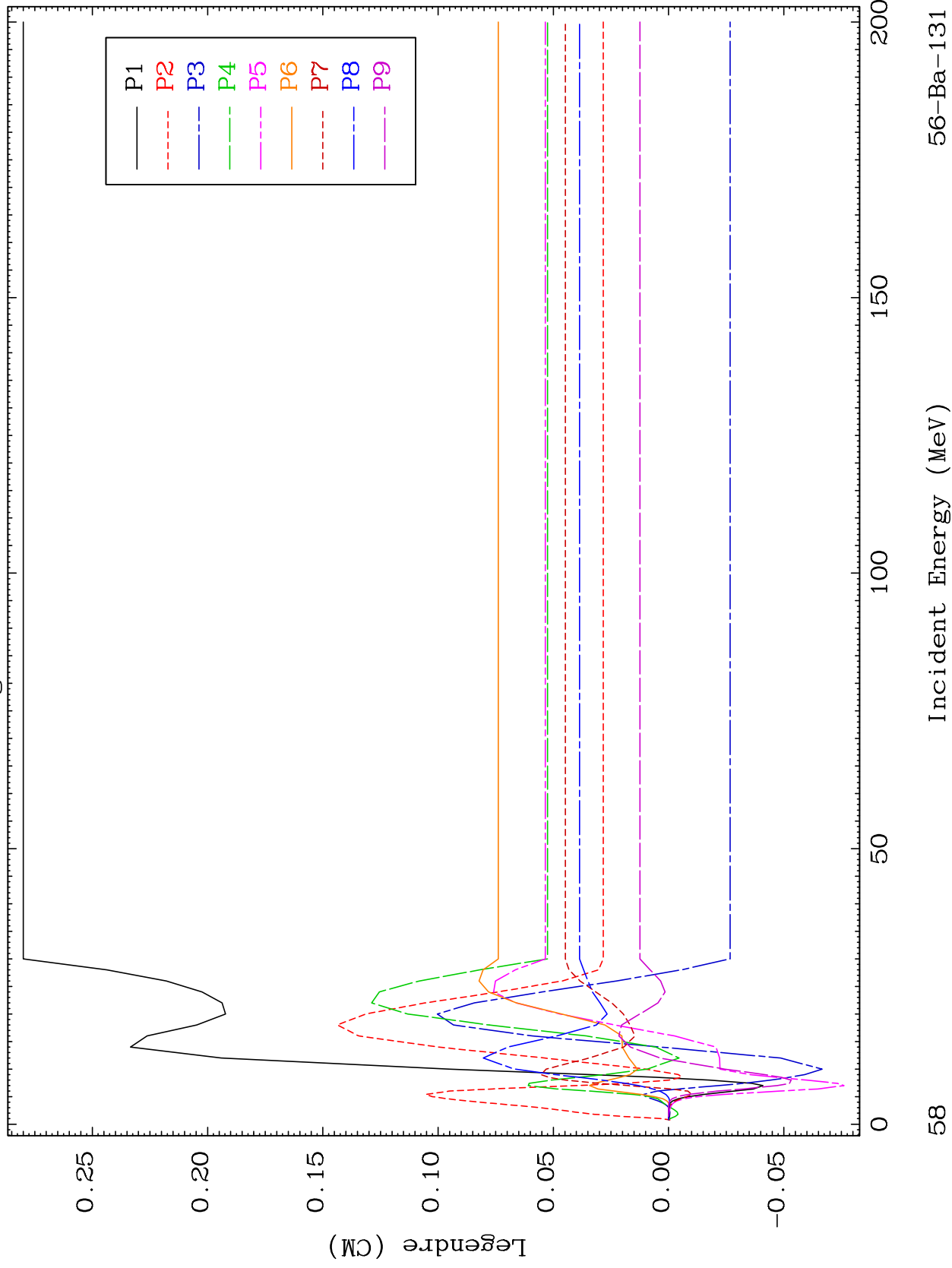
56



MAT 5628

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

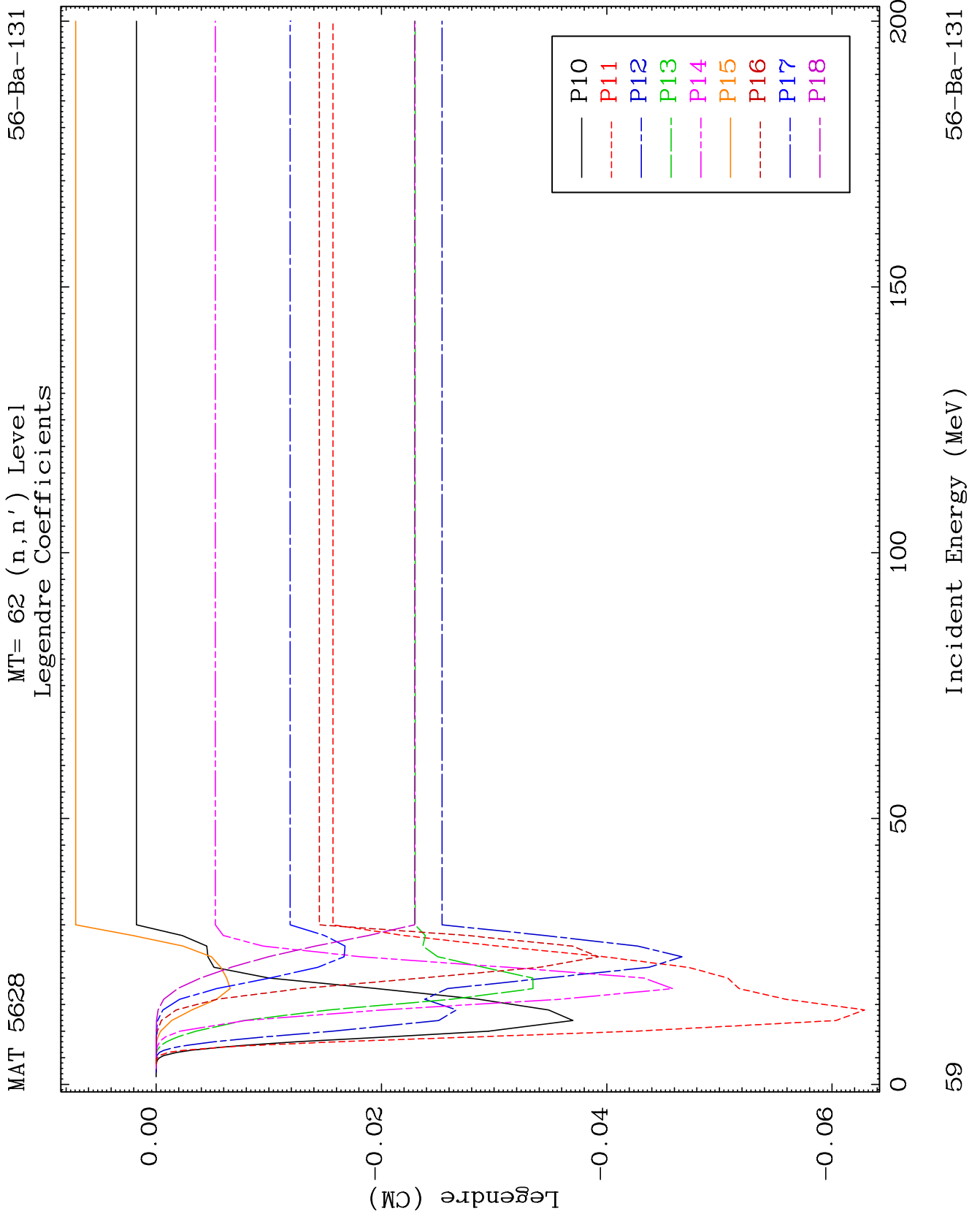
56-Ba-131

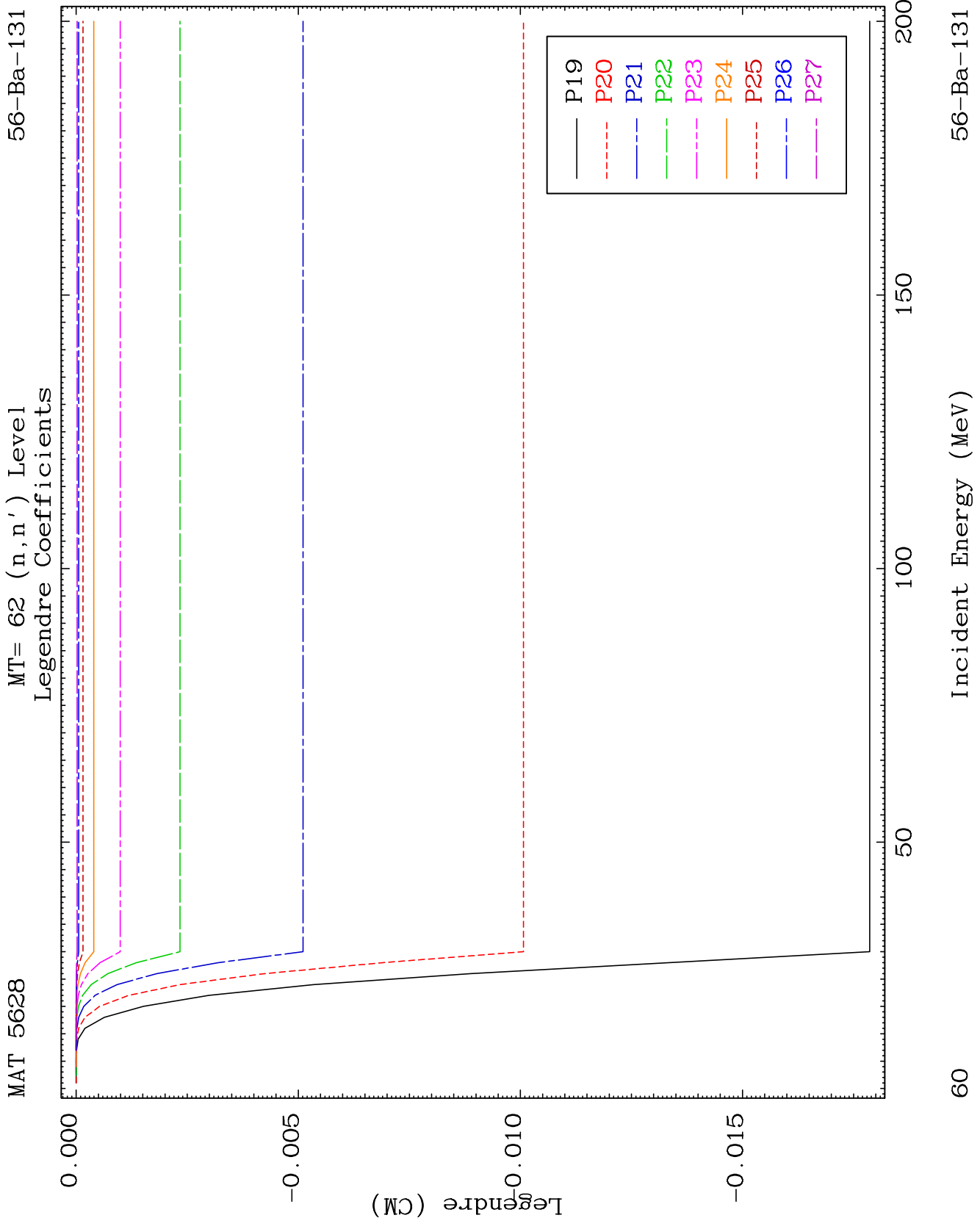


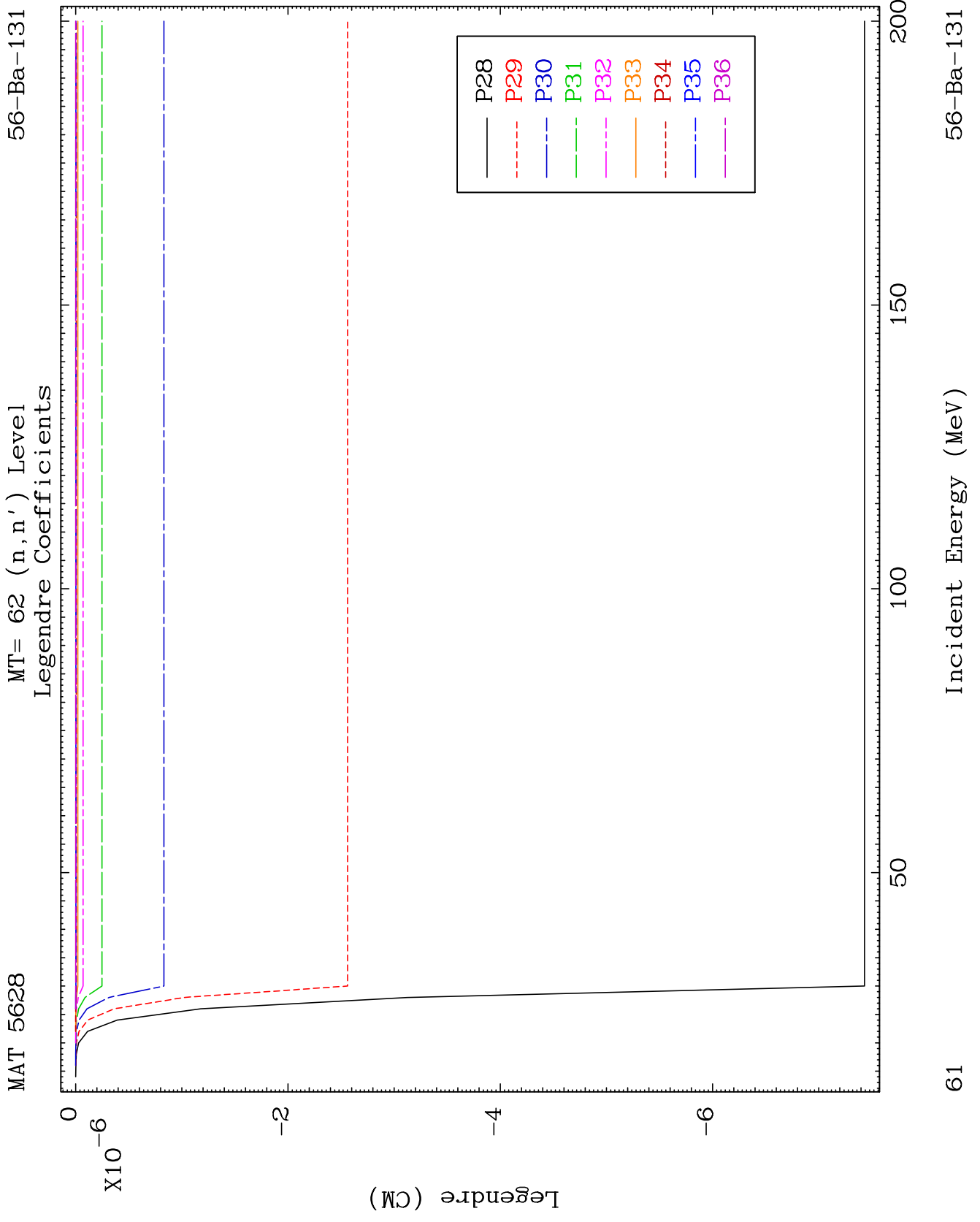
56-Ba-131

Incident Energy (MeV)

58







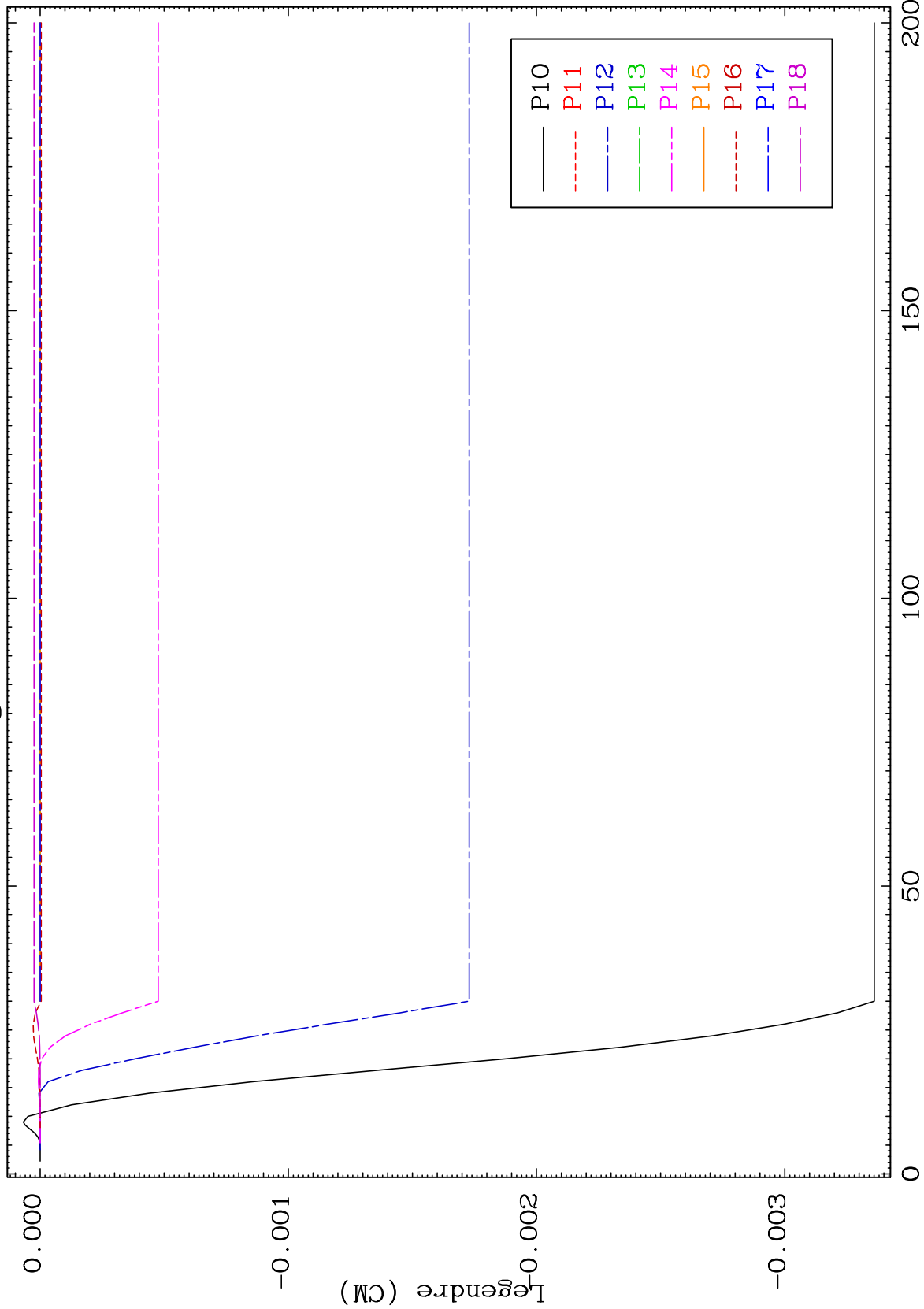


MAT 5628

MT= 63 (n,n') Level

56-Ba-131

Legendre Coefficients

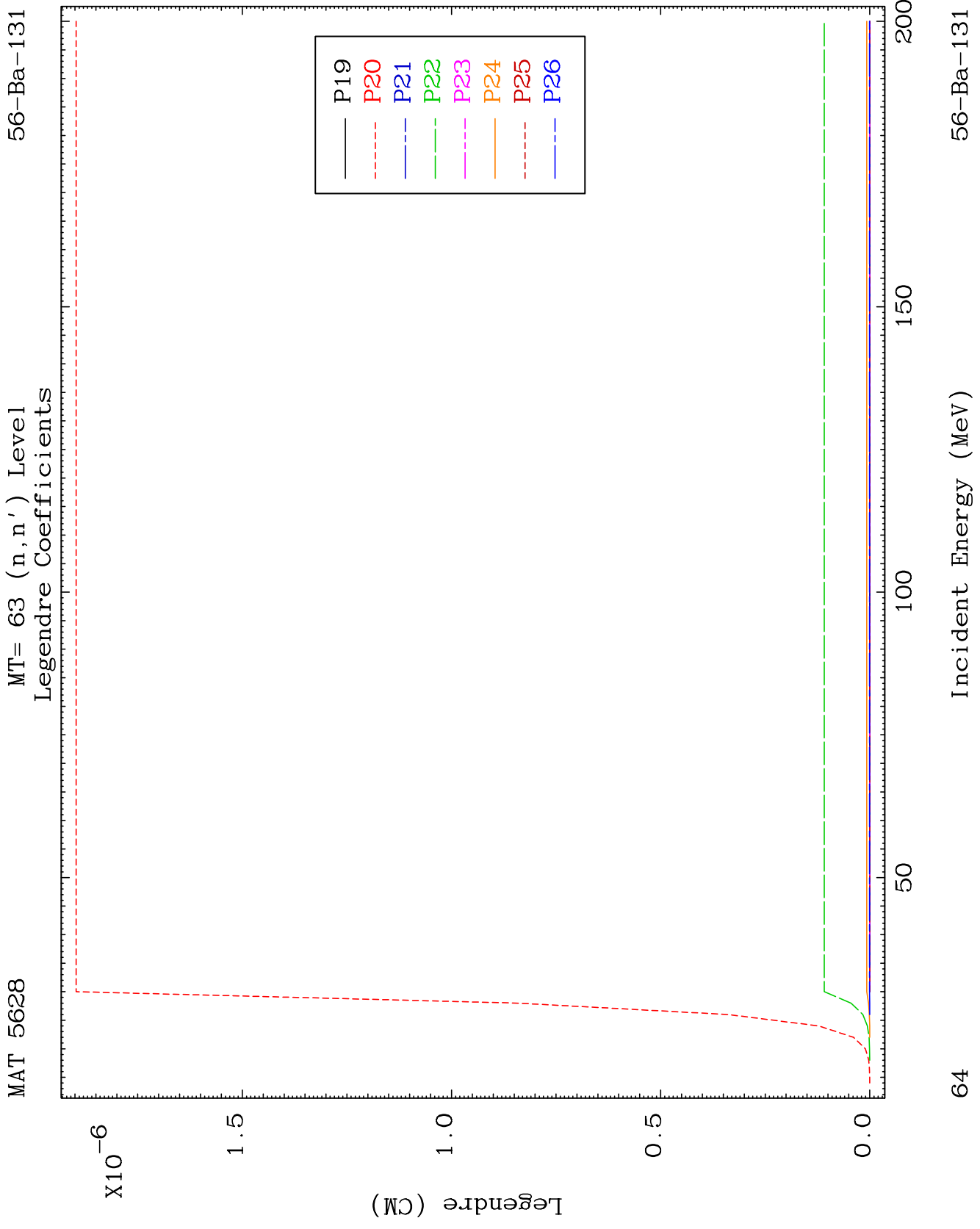


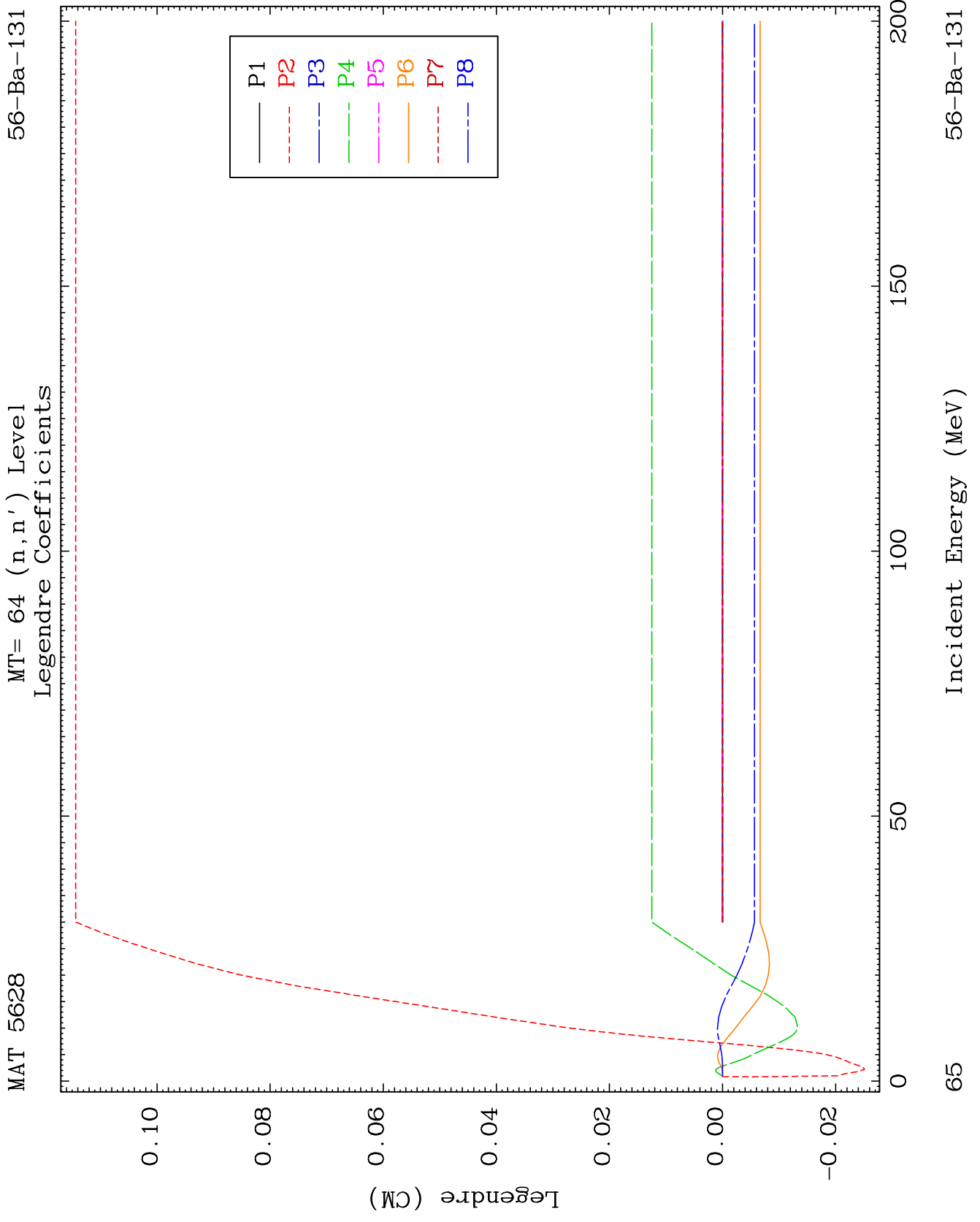
63

Incident Energy (MeV)

56-Ba-131



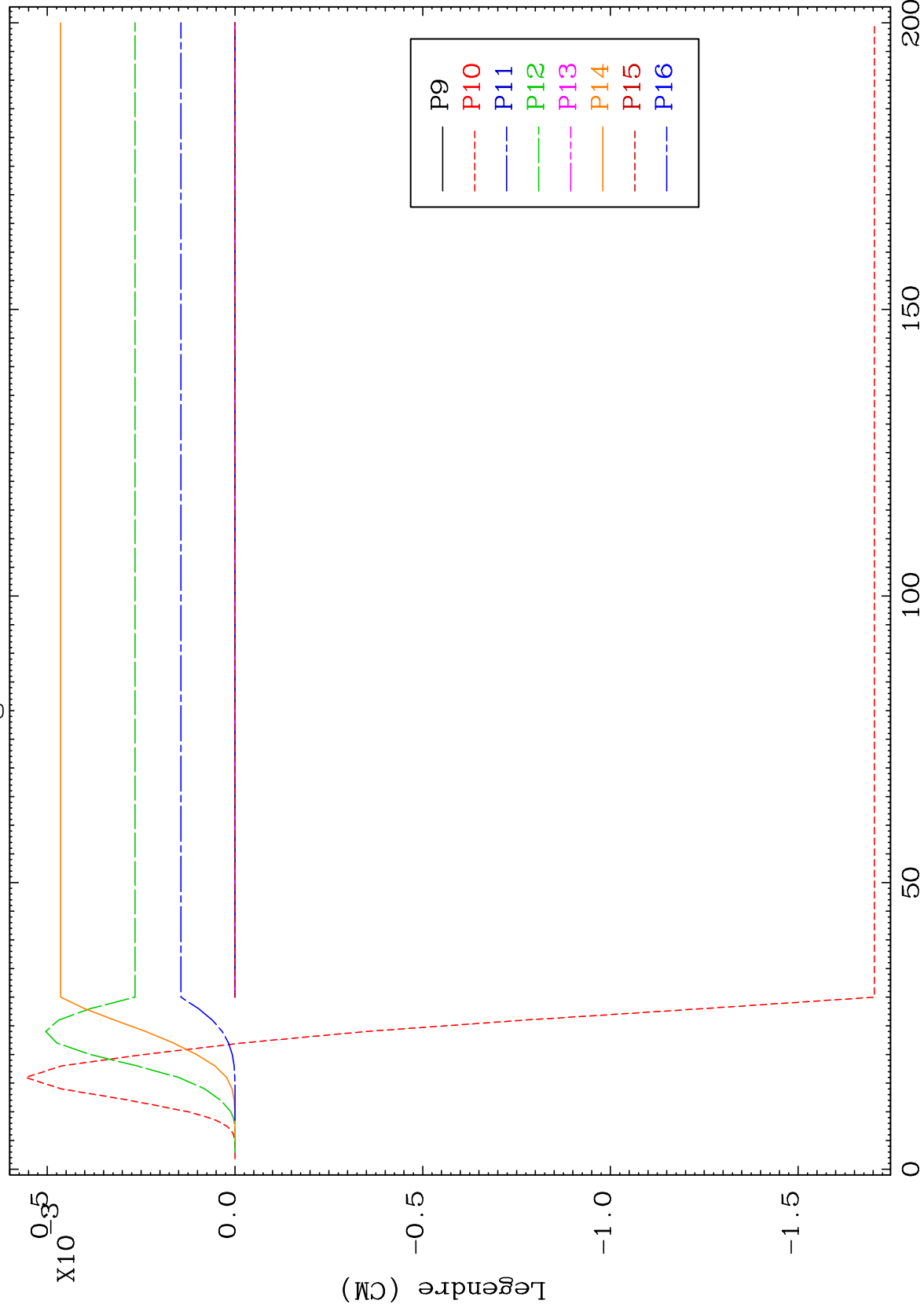




MAT 5628

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

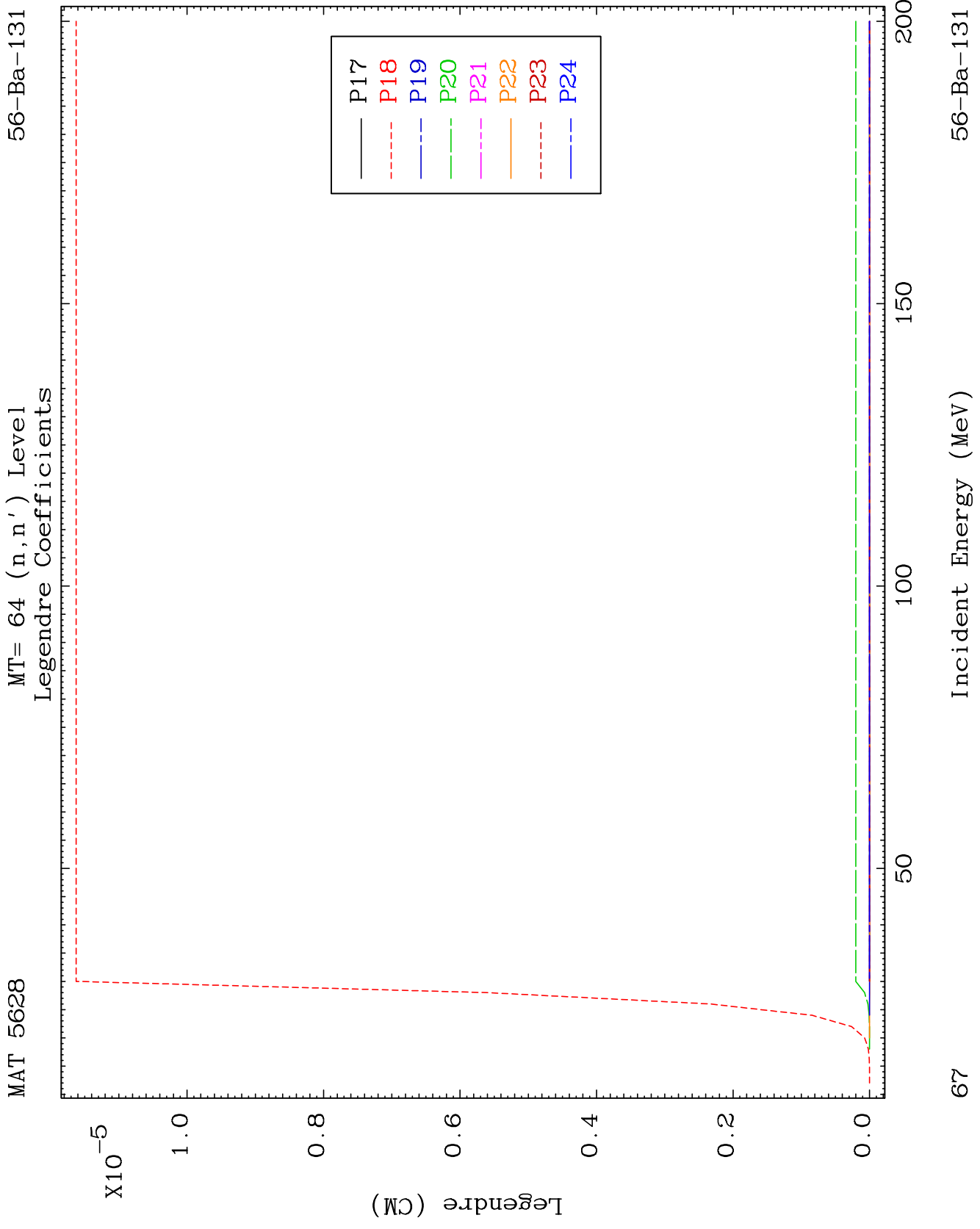
56-Ba-131

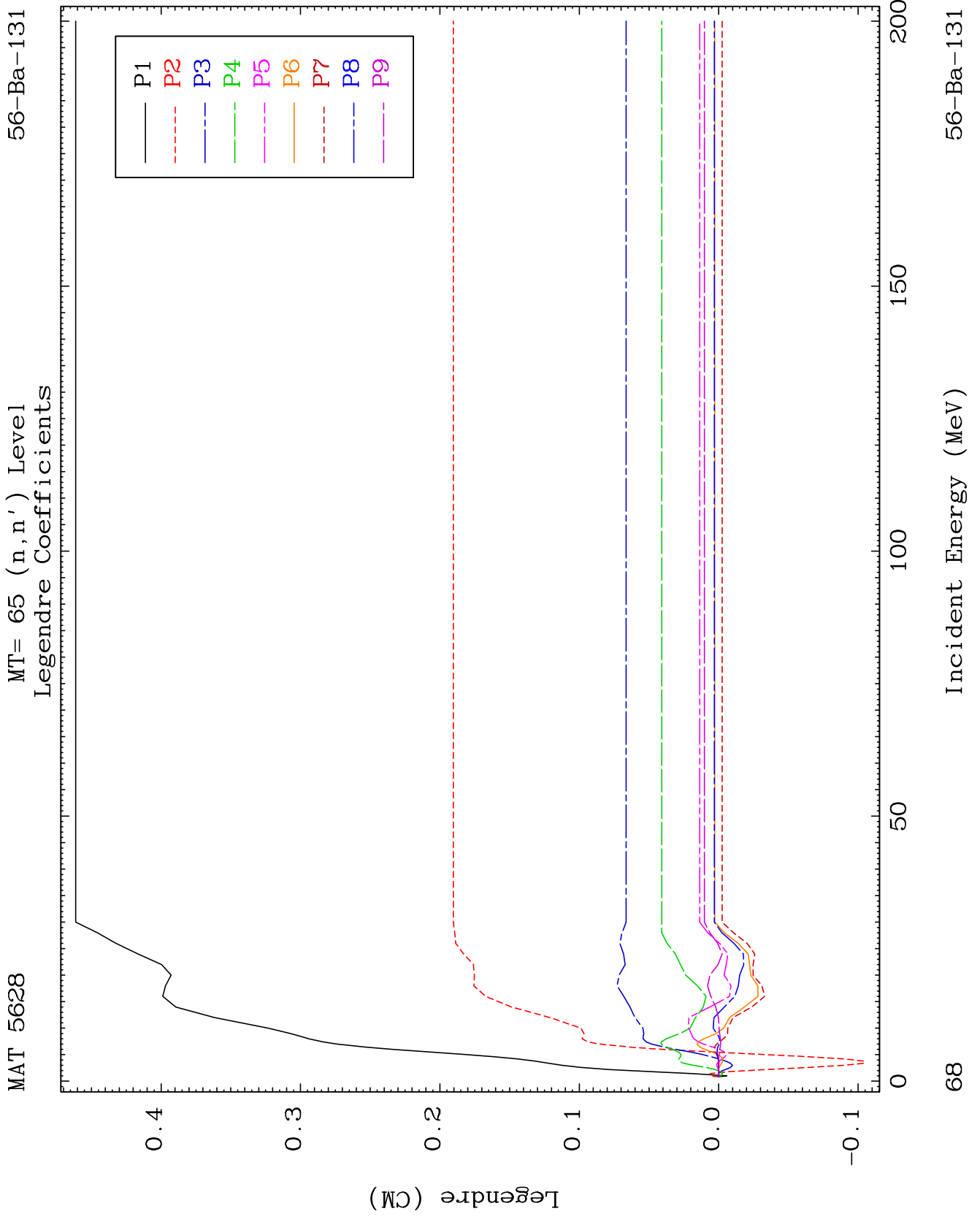


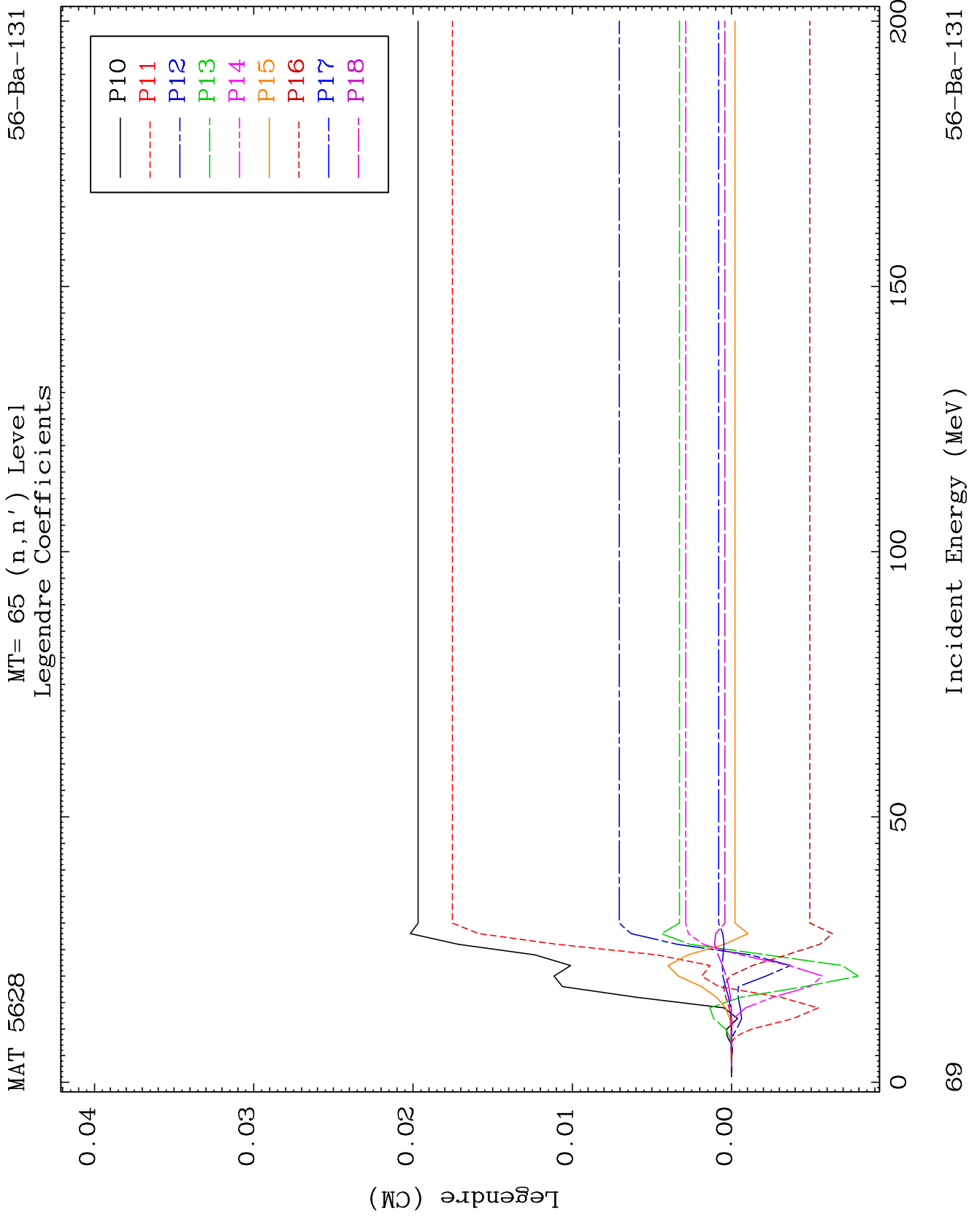
66

Incident Energy (MeV)

56-Ba-131



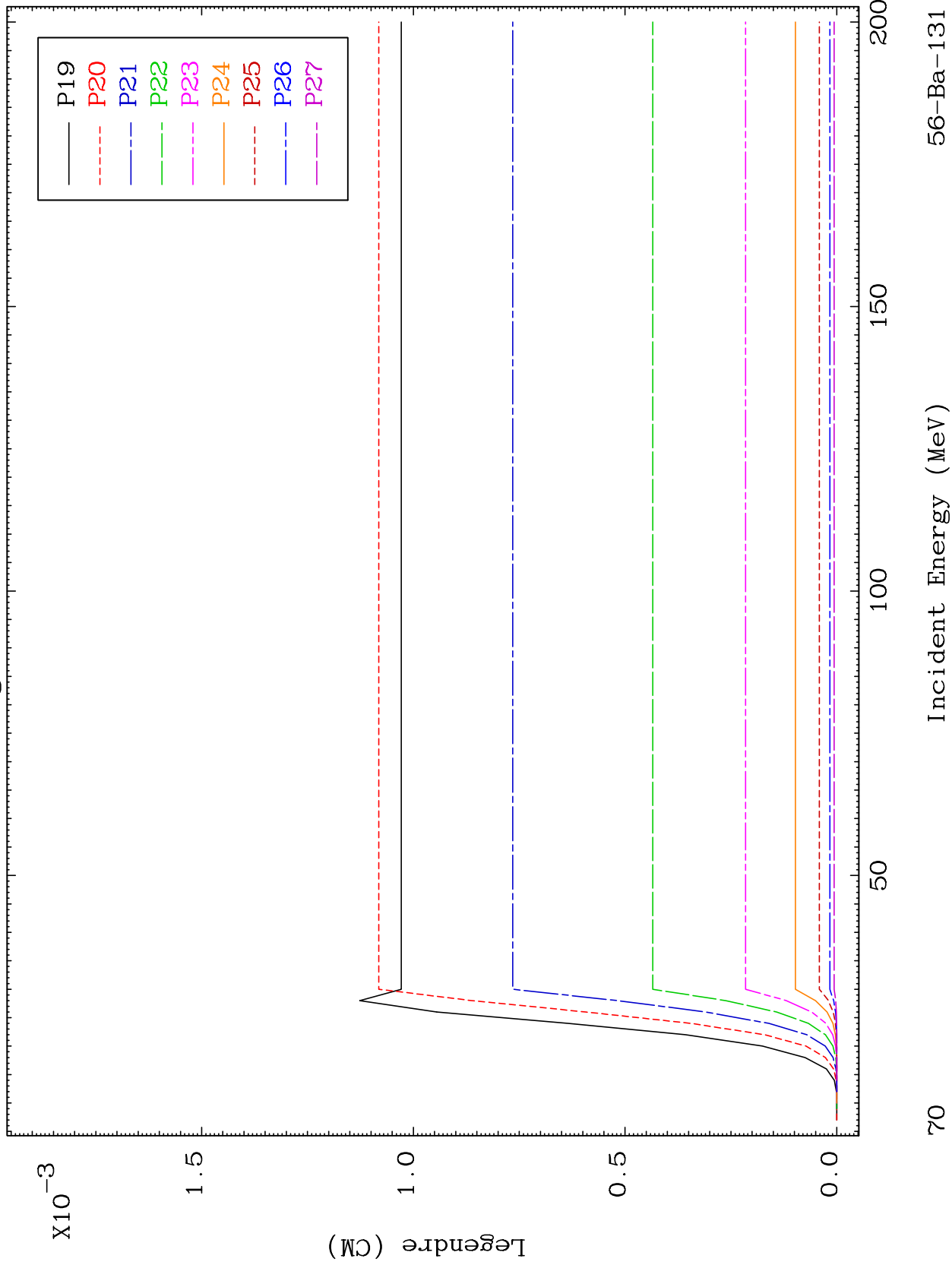




MAT 5628

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

56-Ba-131



70

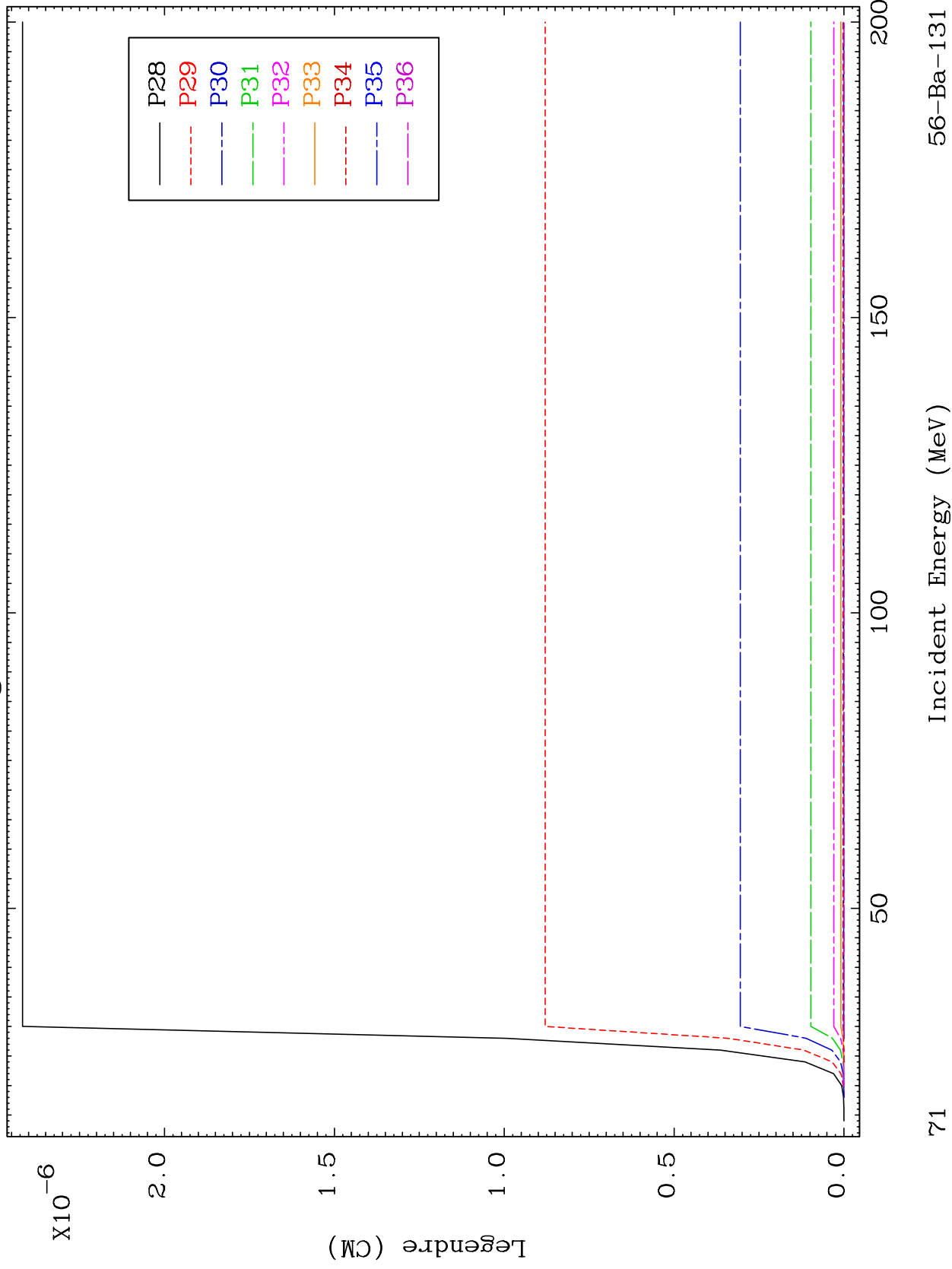
Incident Energy (MeV)

56-Ba-131

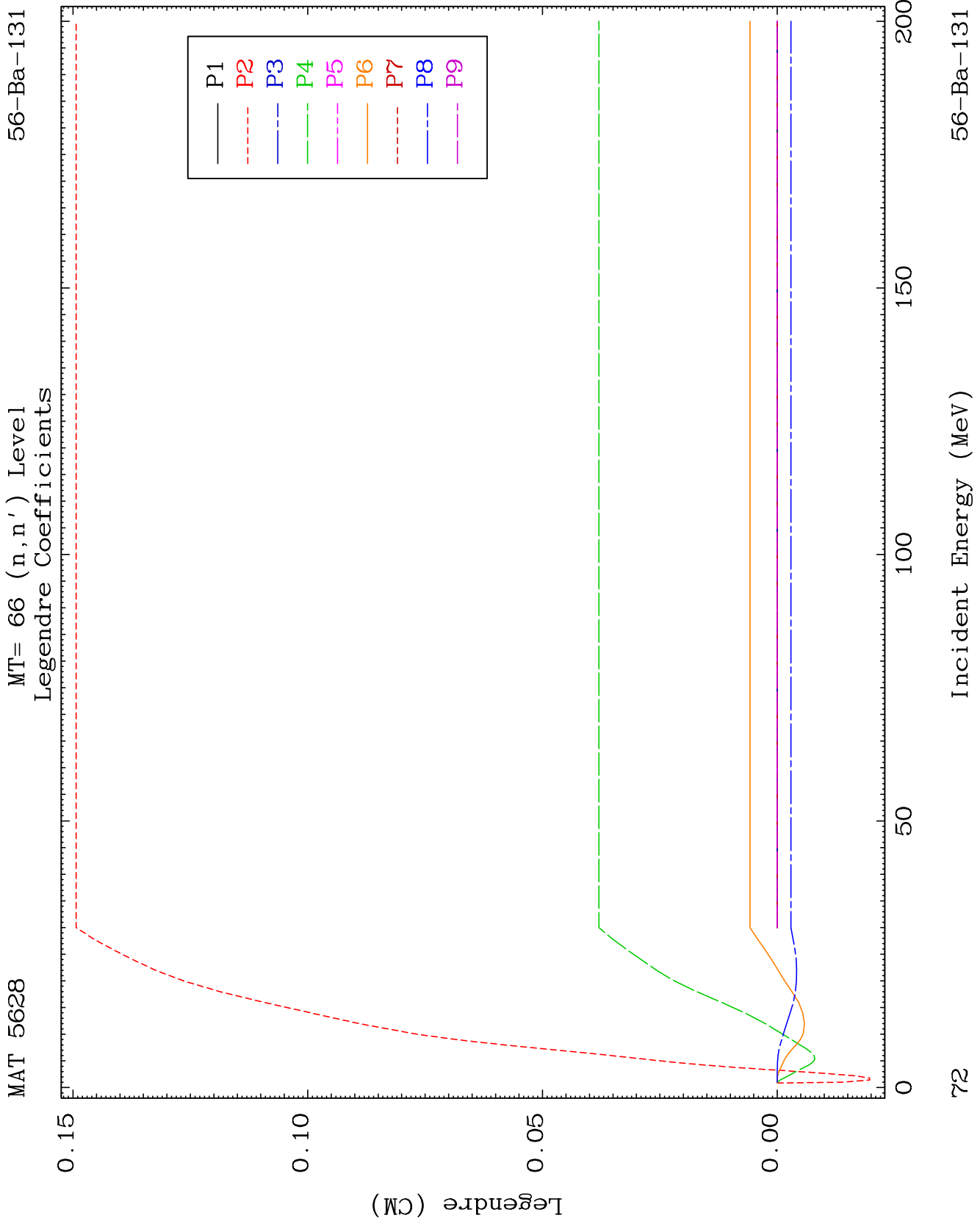
MAT 5628

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

56-Ba-131





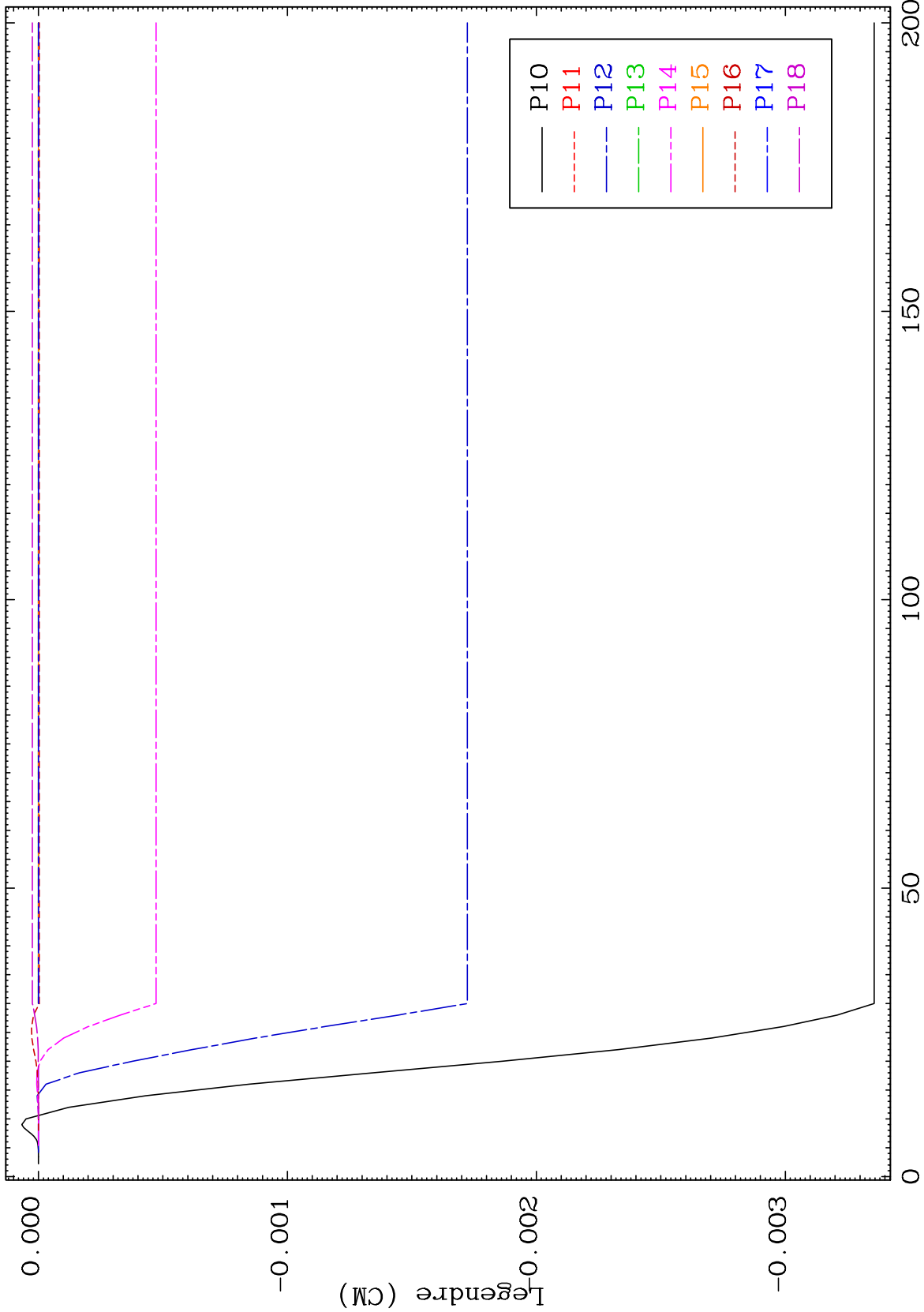


MAT 5628

MT= 66 (n,n') Level

56-Ba-131

Legendre Coefficients

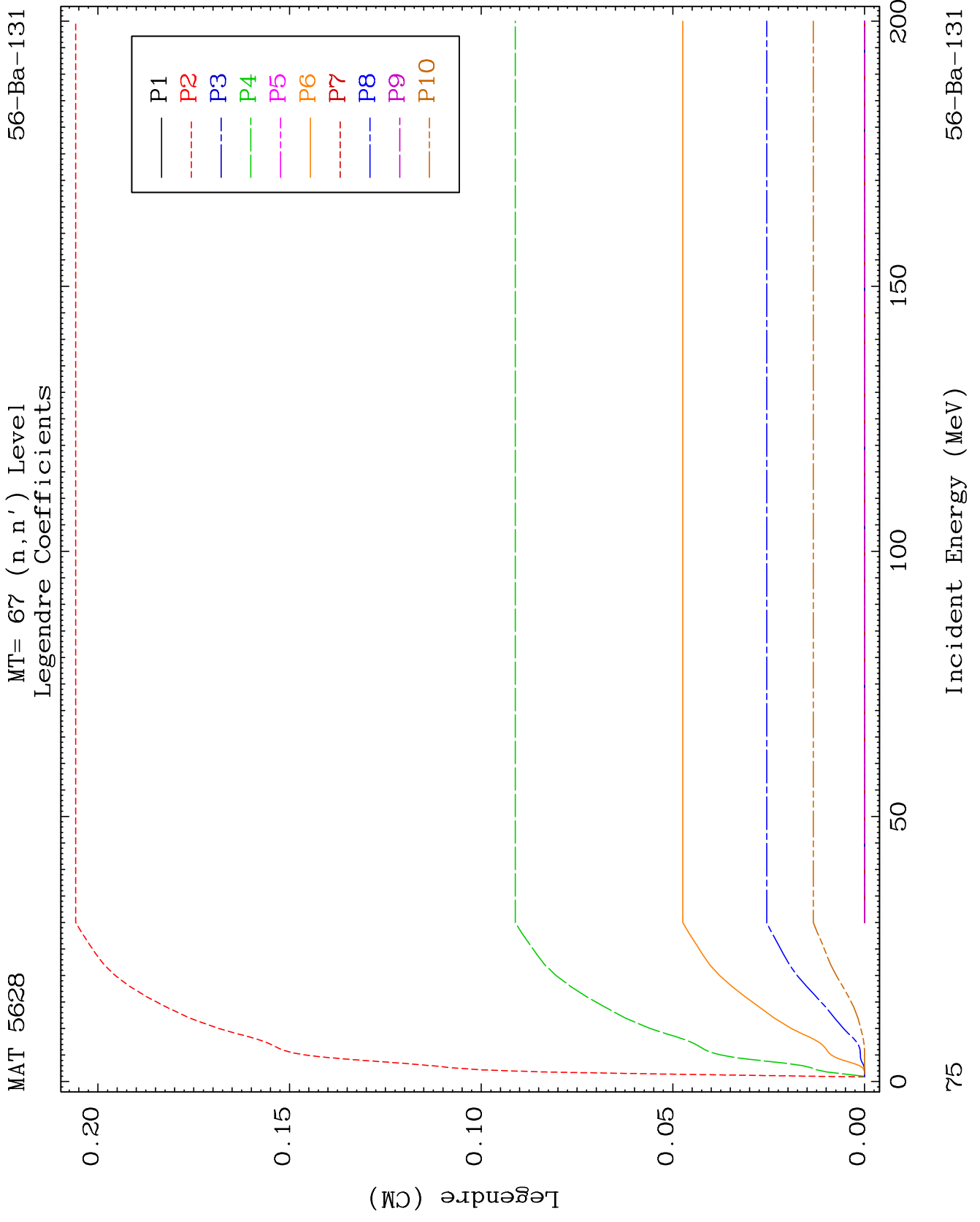


73

Incident Energy (MeV)

56-Ba-131



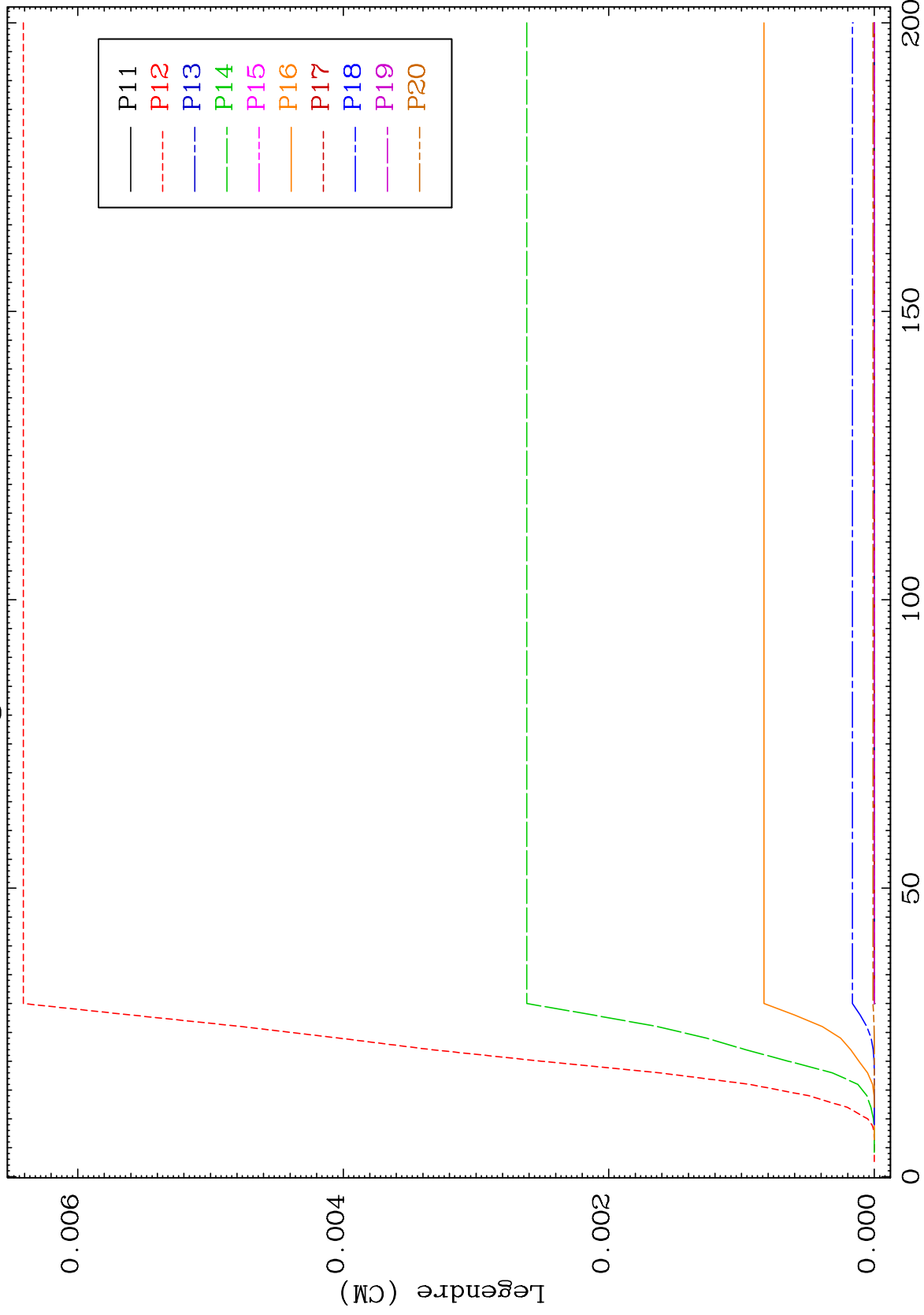


MAT 5628

MT= 67 (n,n') Level

56-Ba-131

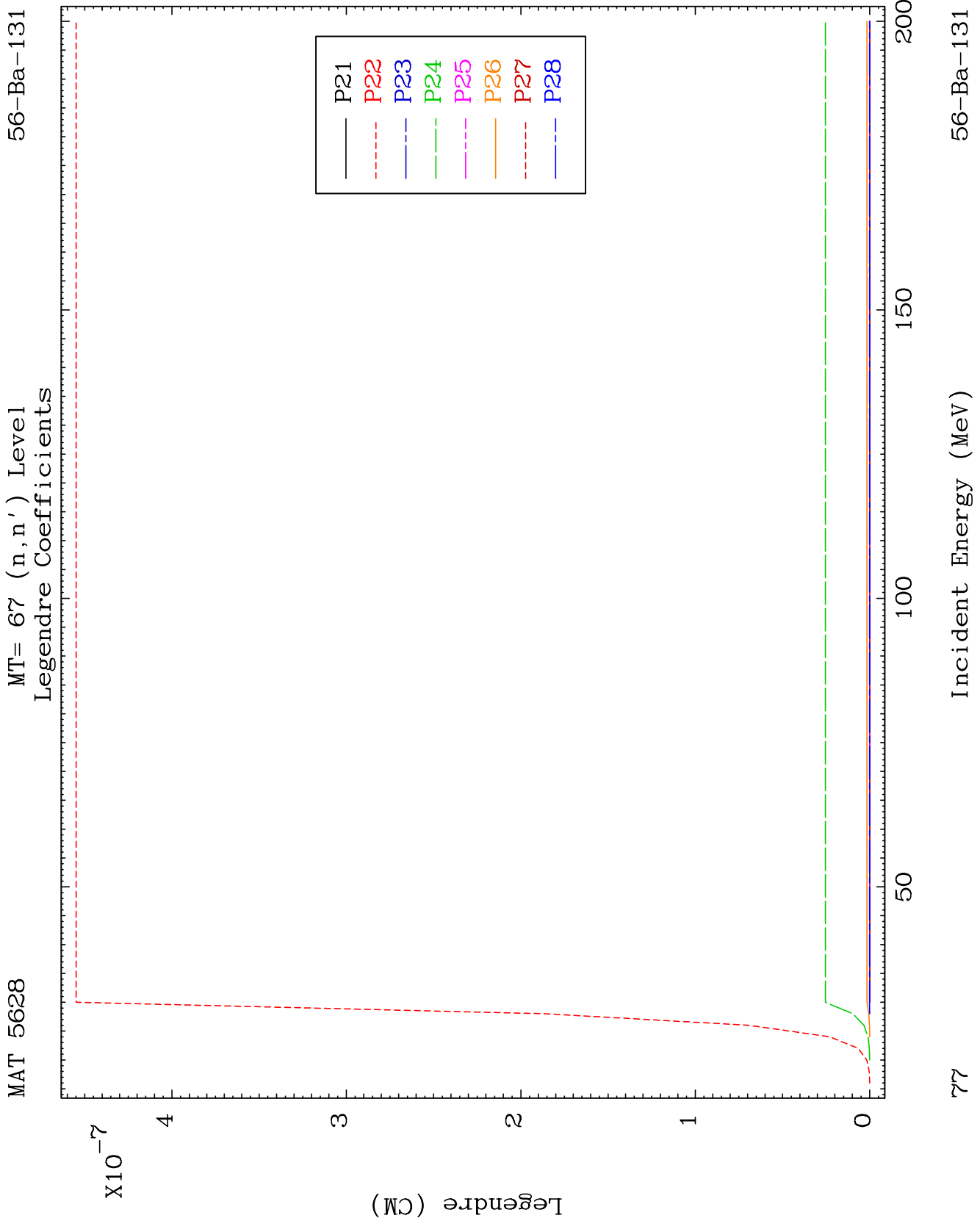
Legendre Coefficients



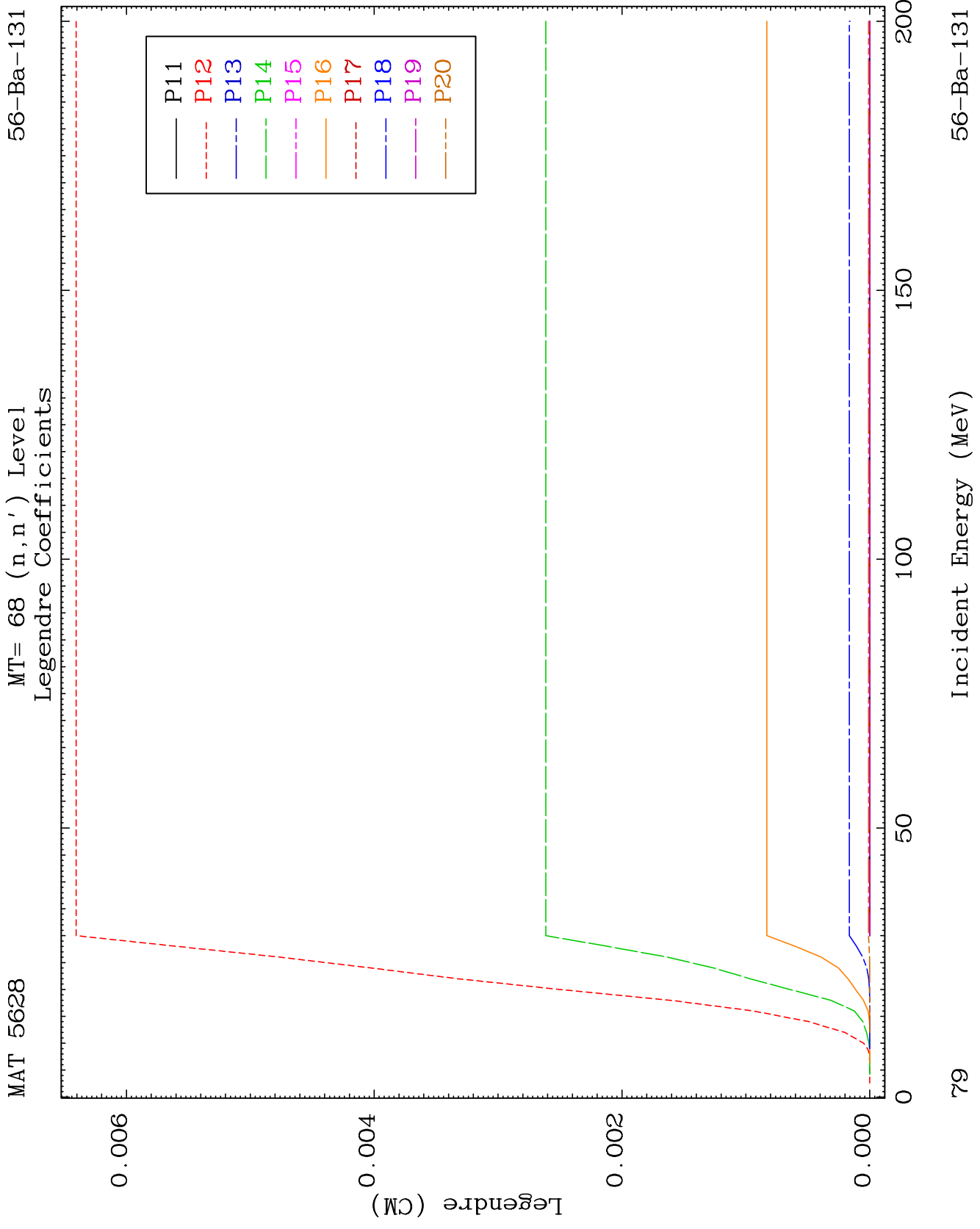
76

Incident Energy (MeV)

56-Ba-131





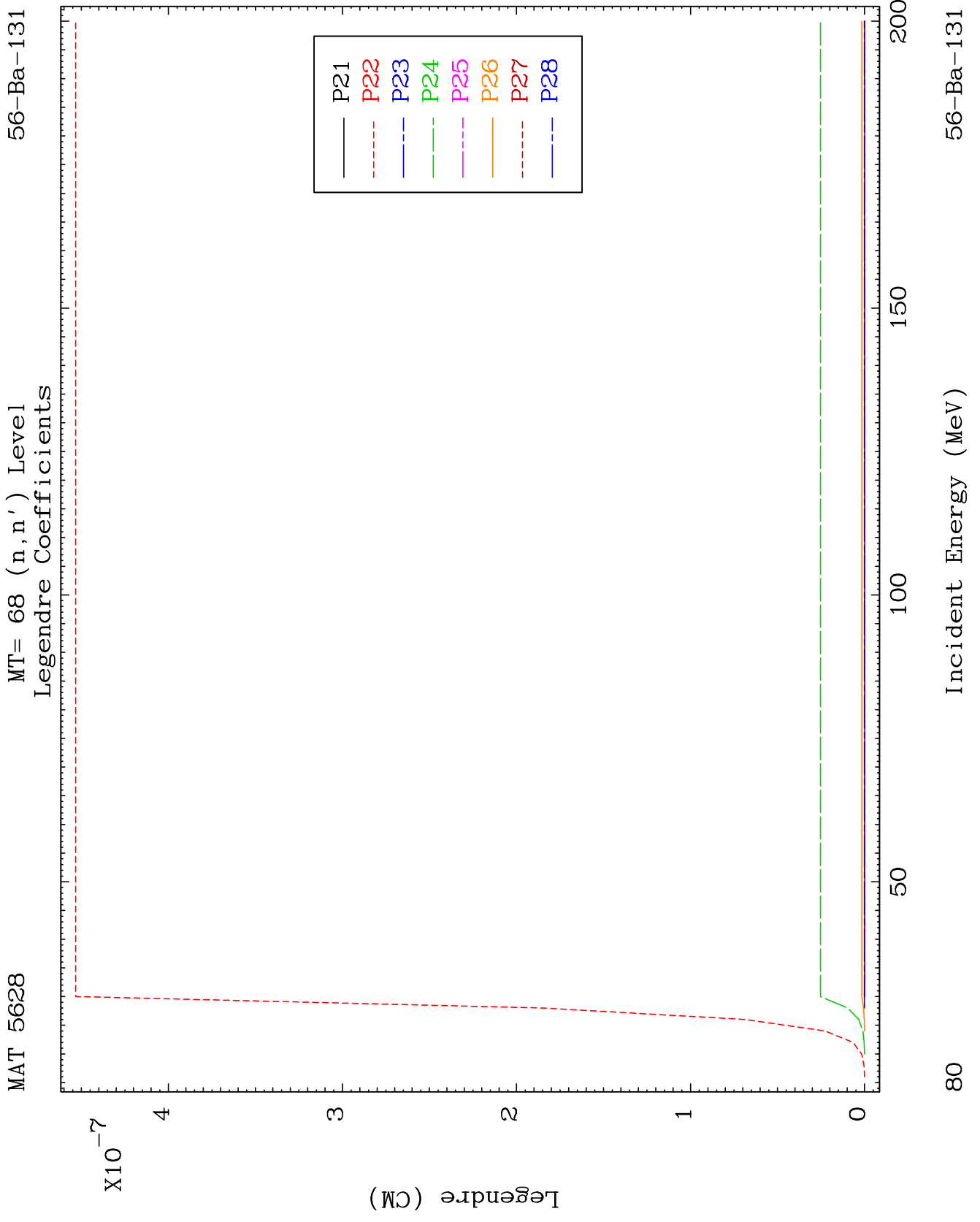


56-Ba-131

Incident Energy (MeV)

79

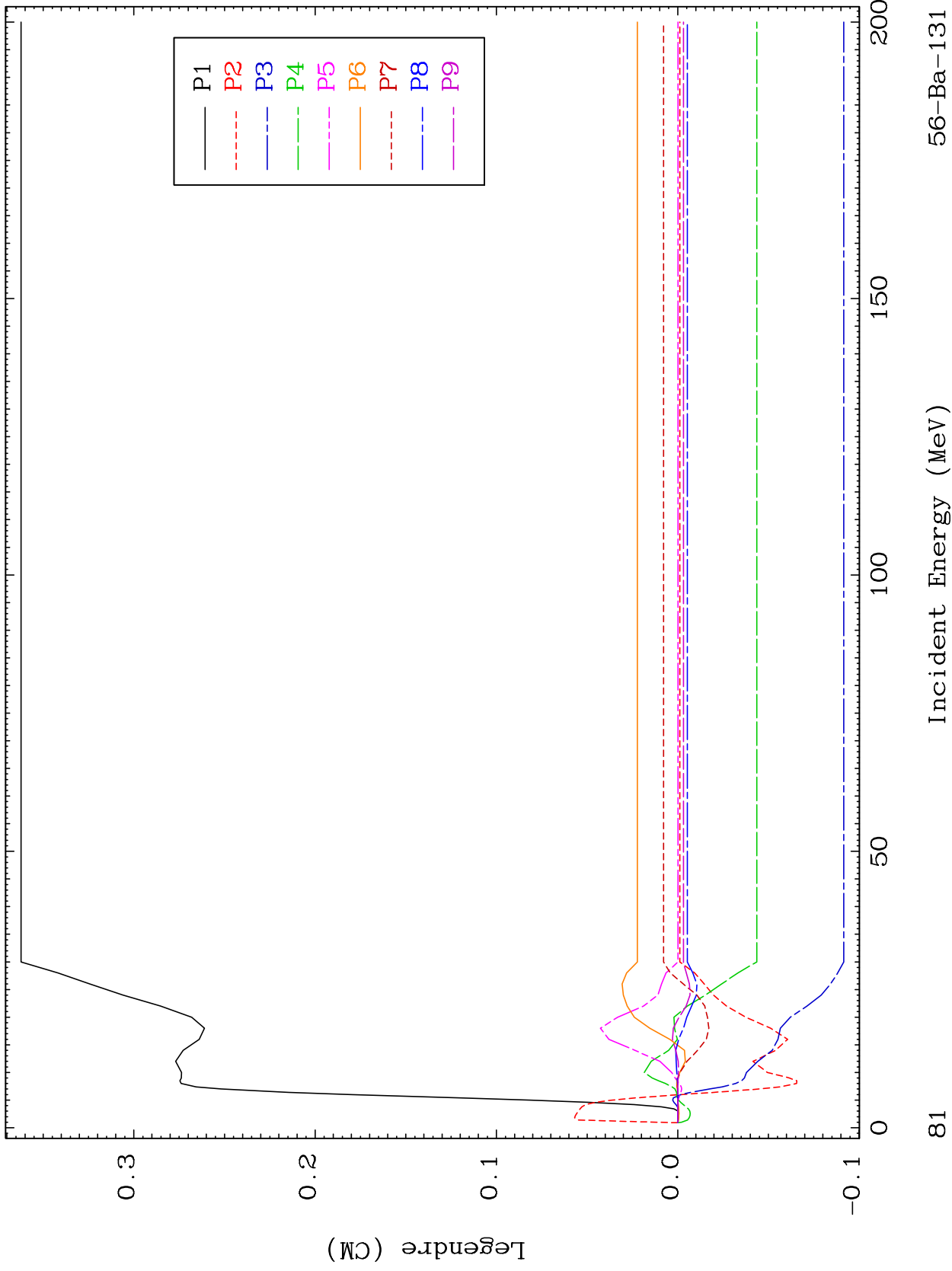




MAT 5628

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

56-Ba-131



81

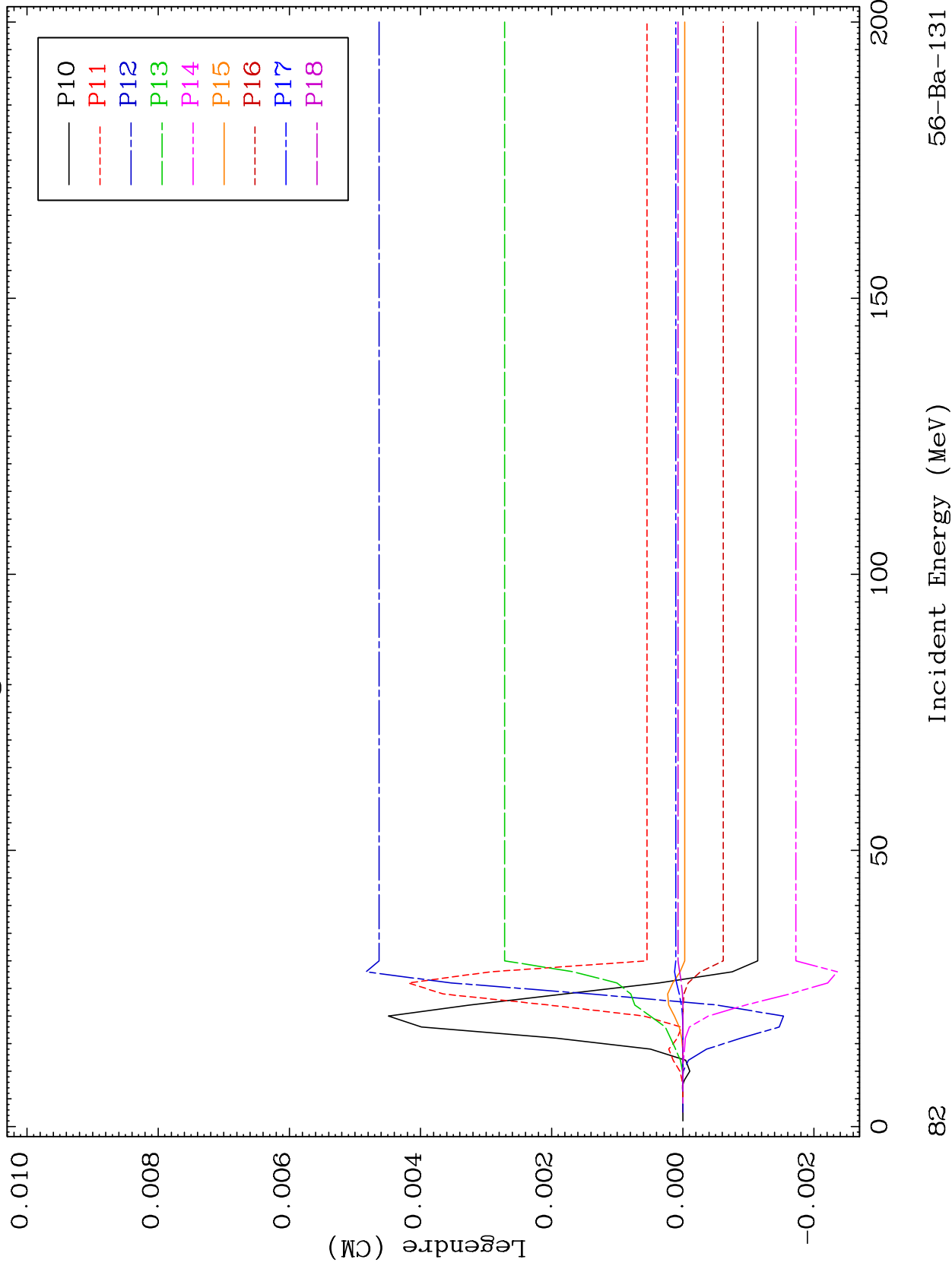
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

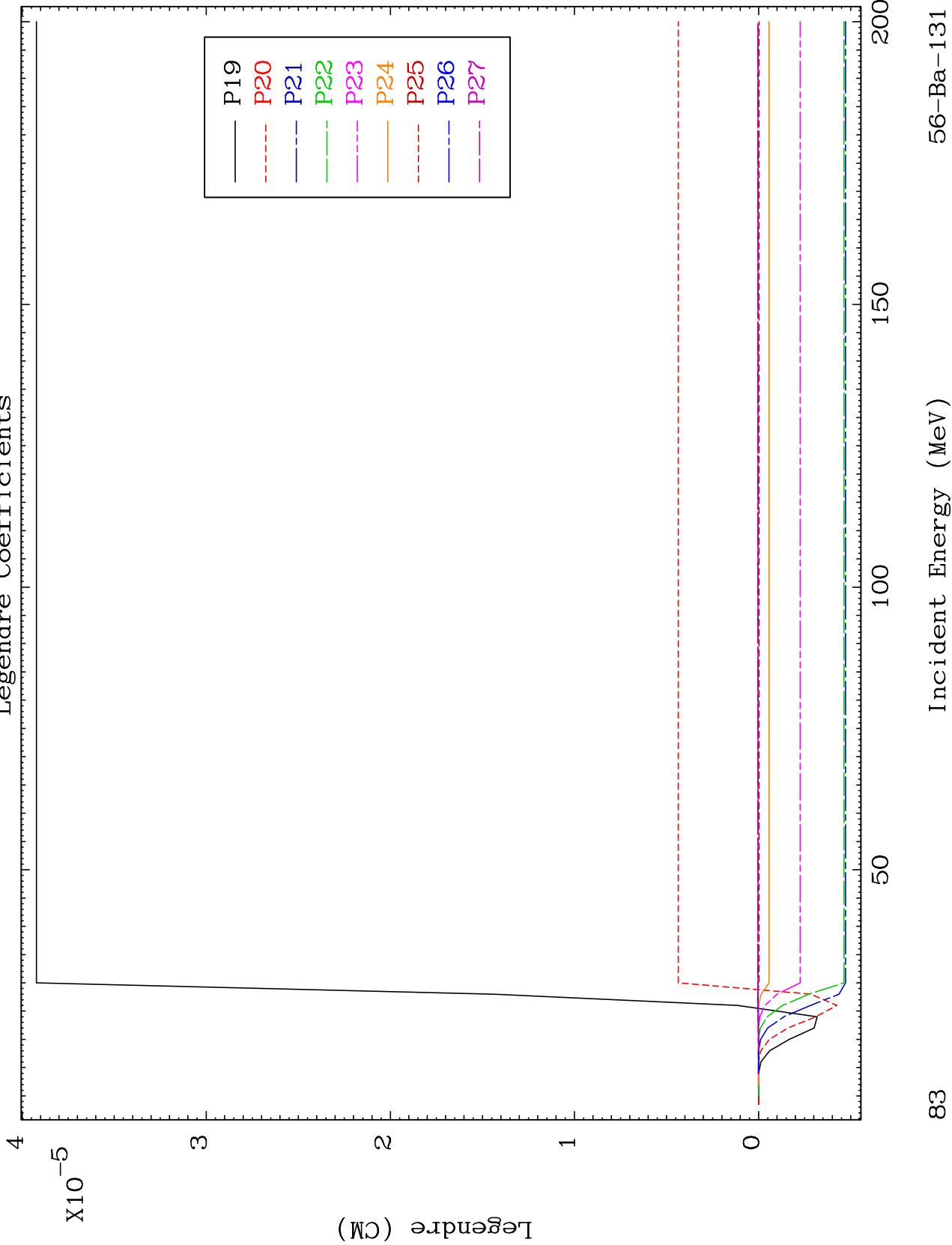
Incident Energy (MeV)

82

MAT 5628

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

56-Ba-131



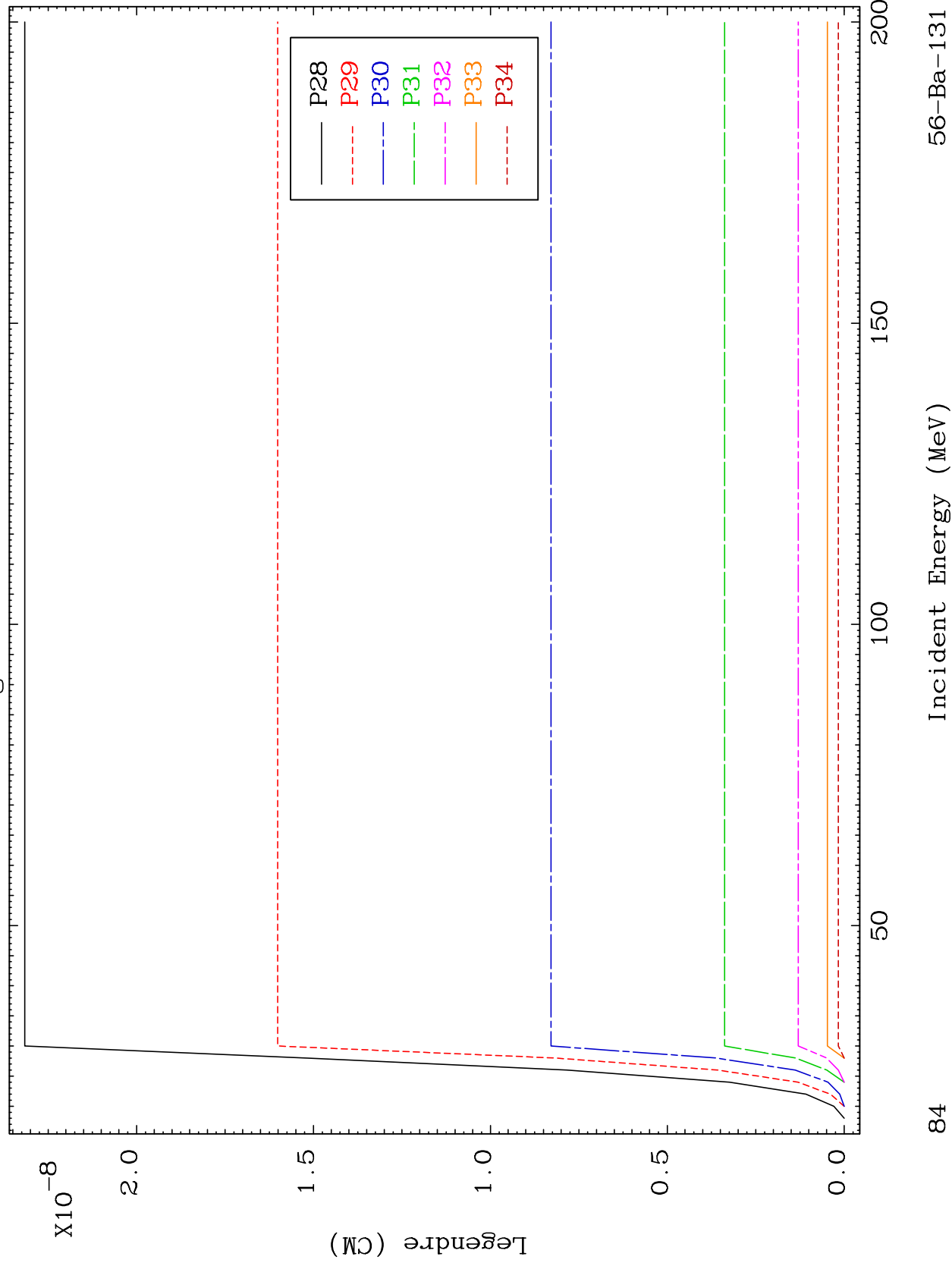
83

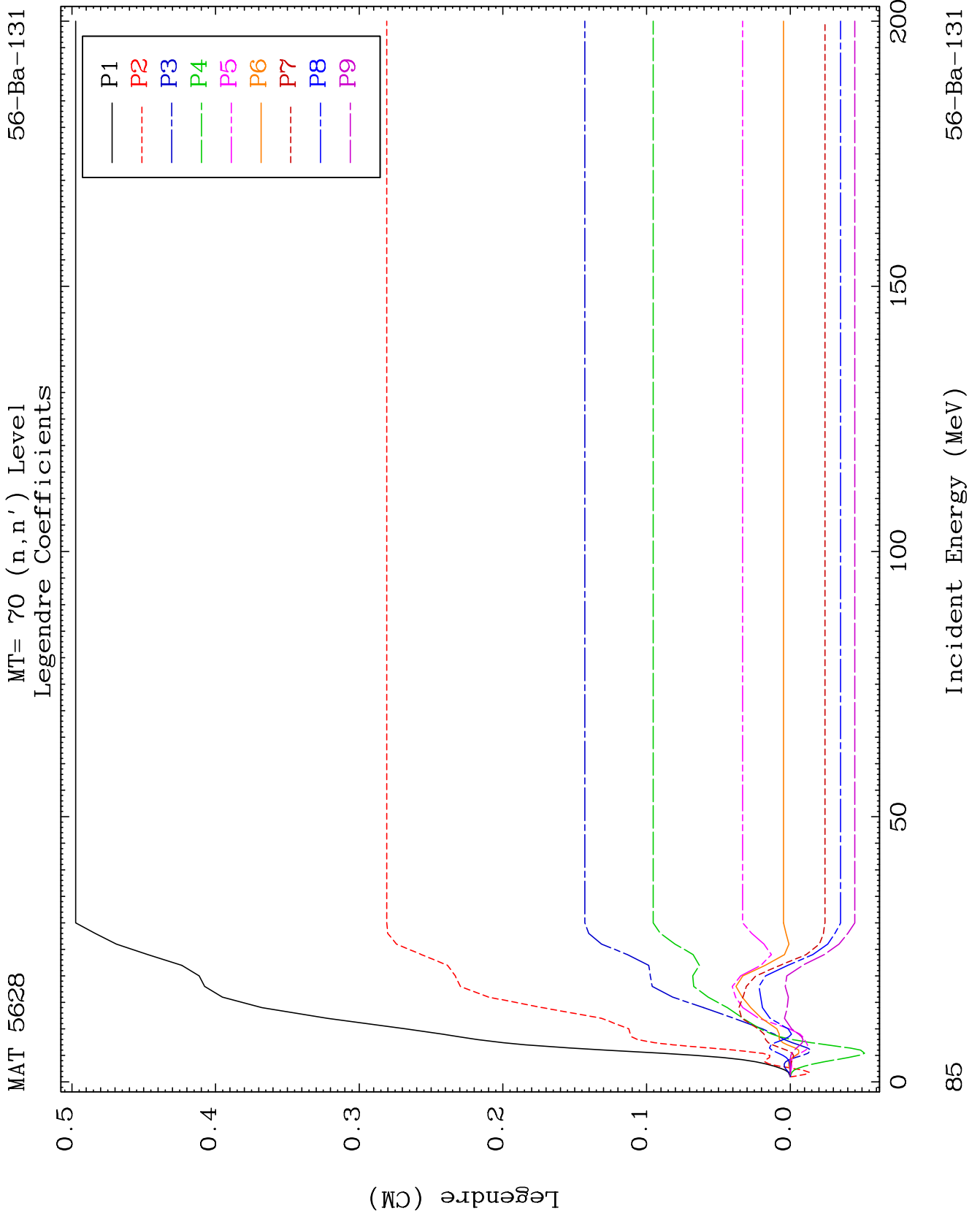
56-Ba-131

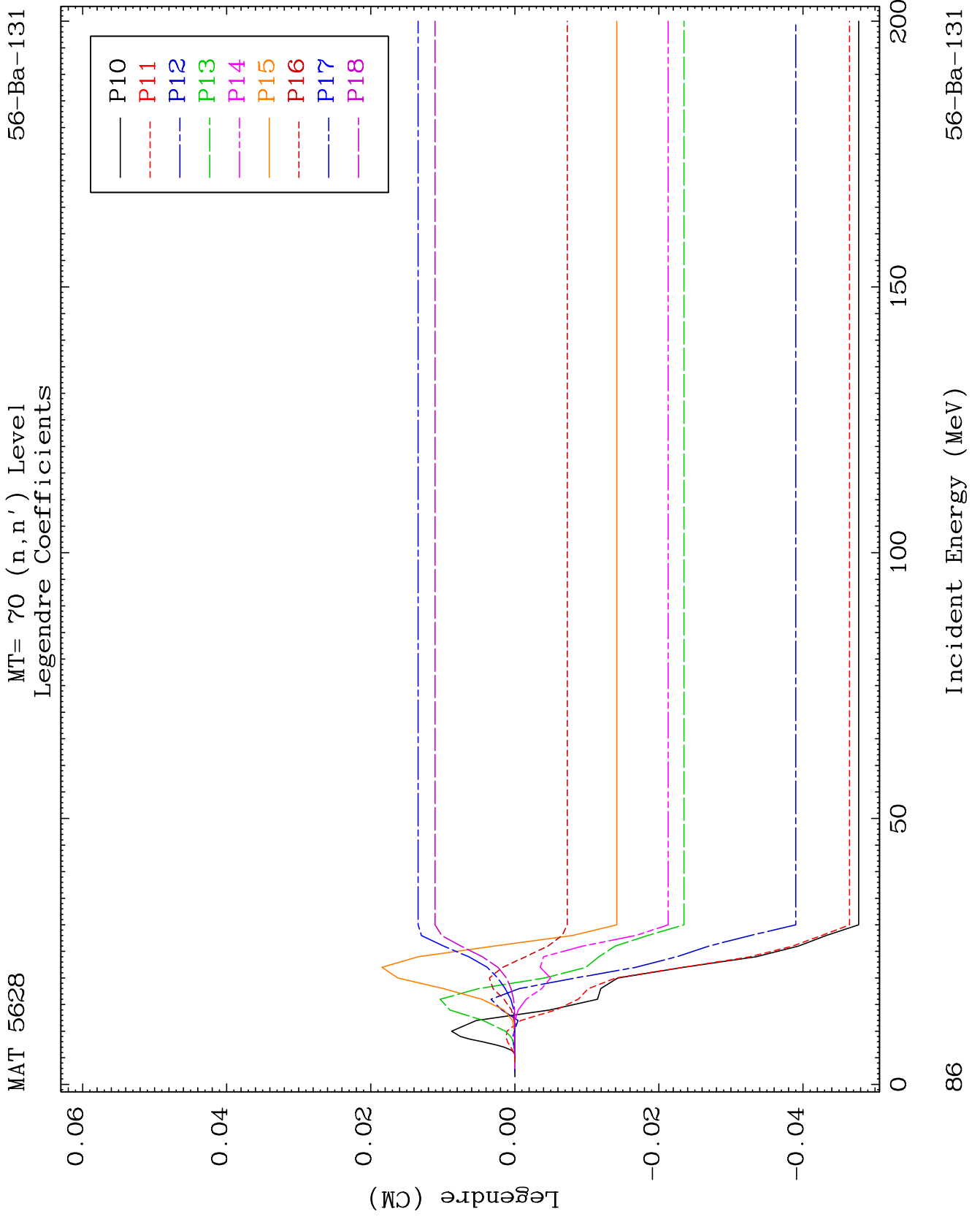
MAT 5628

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

56-Ba-131



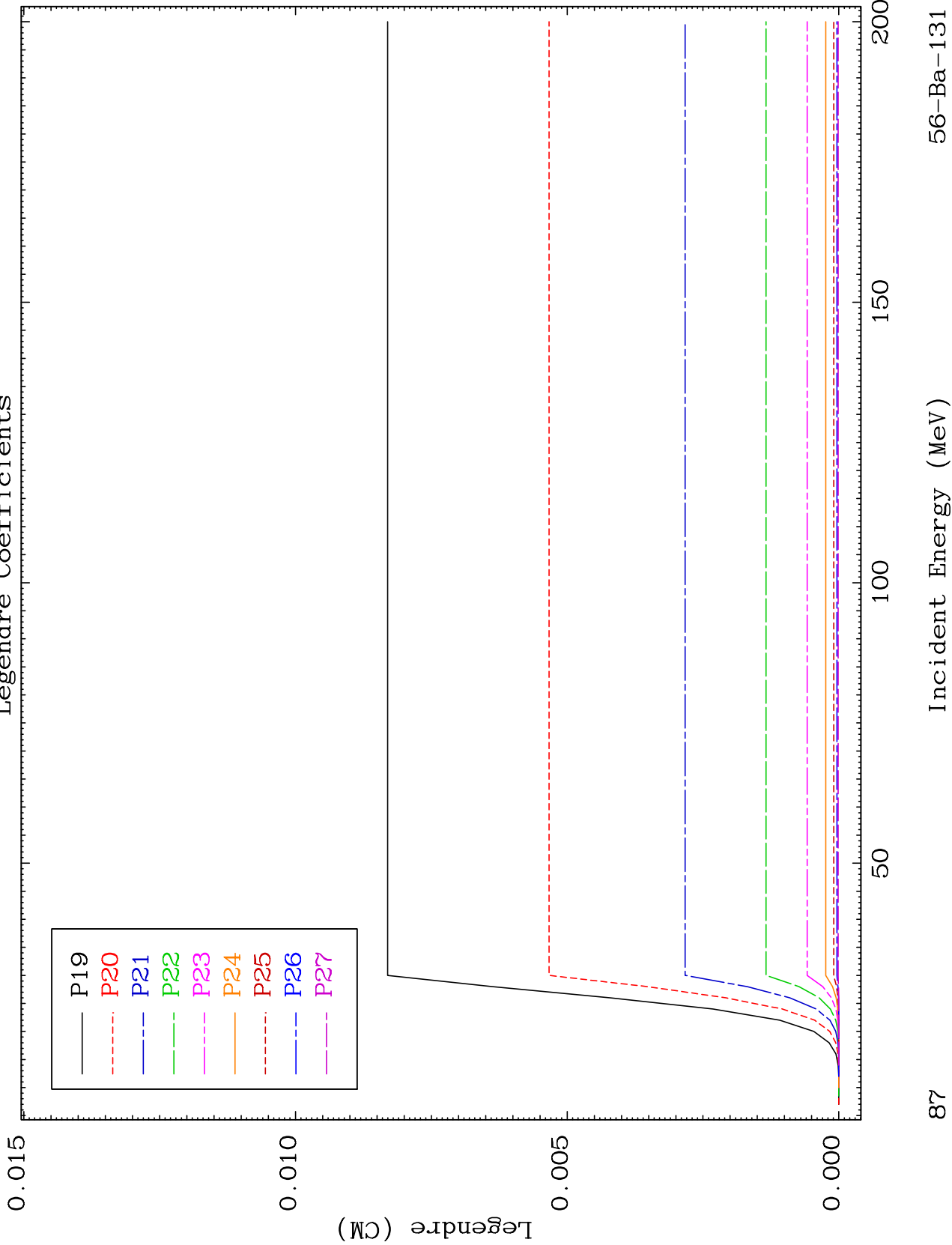




MAT 5628

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

56-Ba-131



87

Incident Energy (MeV)

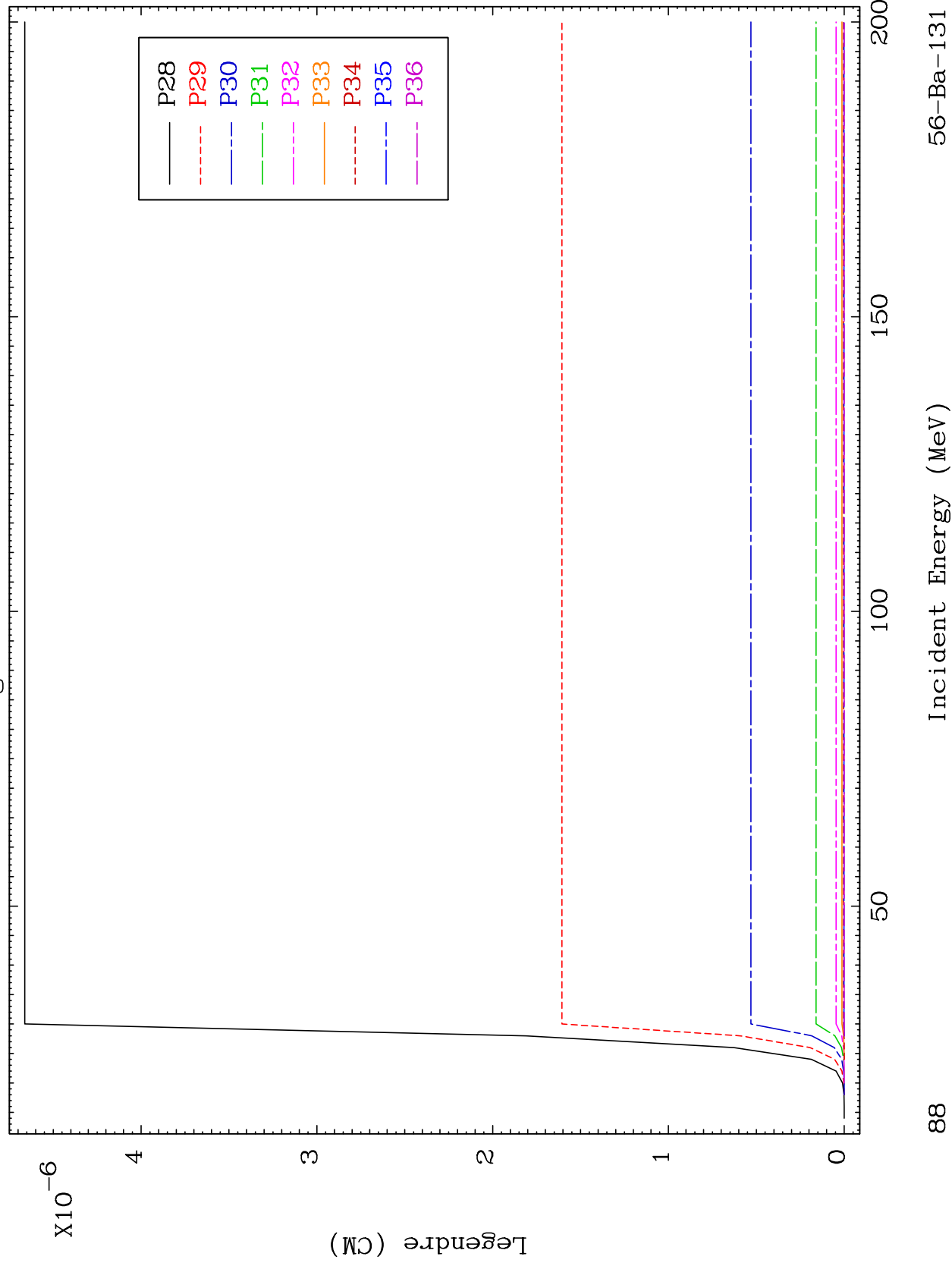
56-Ba-131



MAT 5628

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

56-Ba-131



88

Incident Energy (MeV)

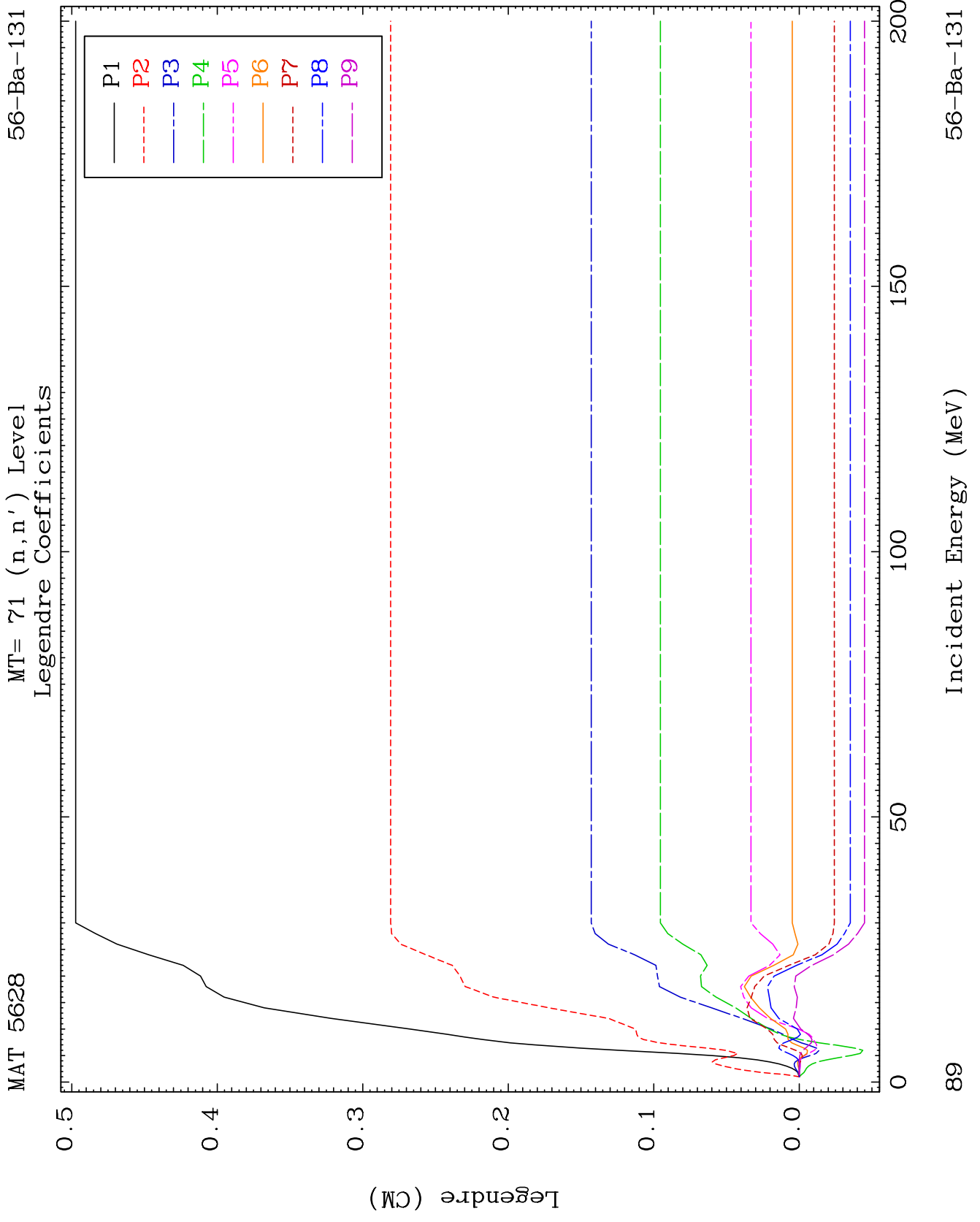
56-Ba-131

200

150

100

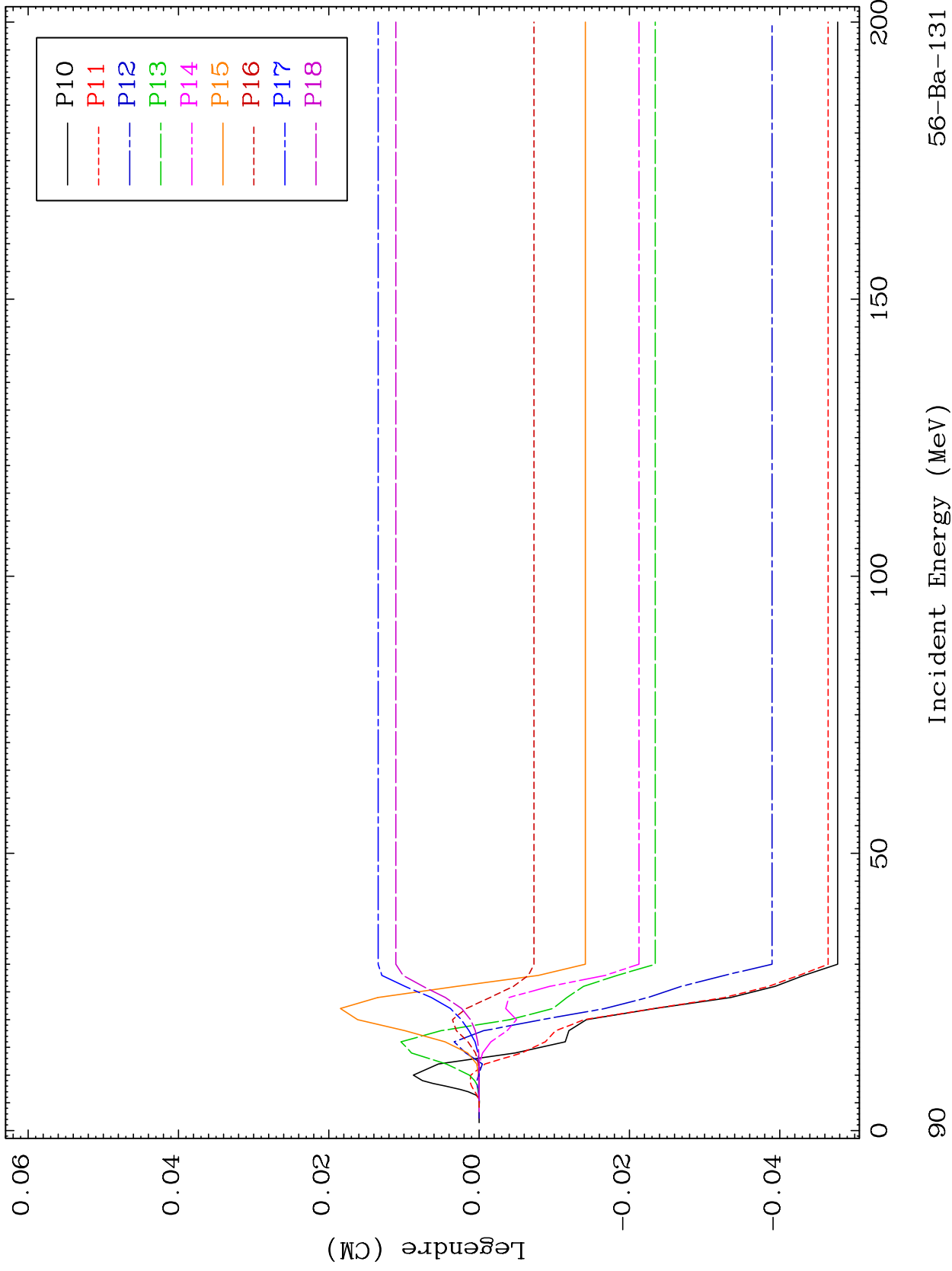
50



MAT 5628

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

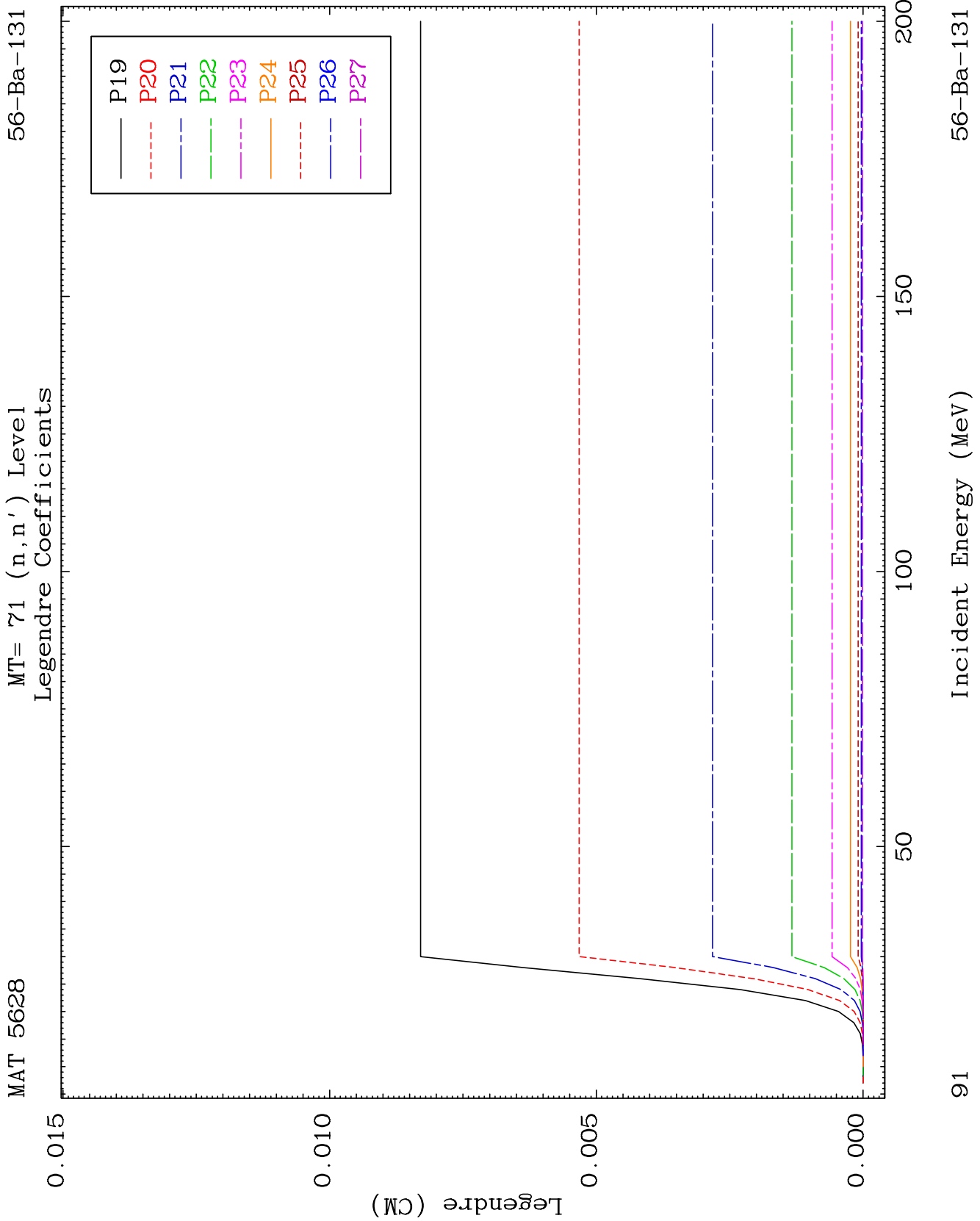
56-Ba-131



56-Ba-131

Incident Energy (MeV)

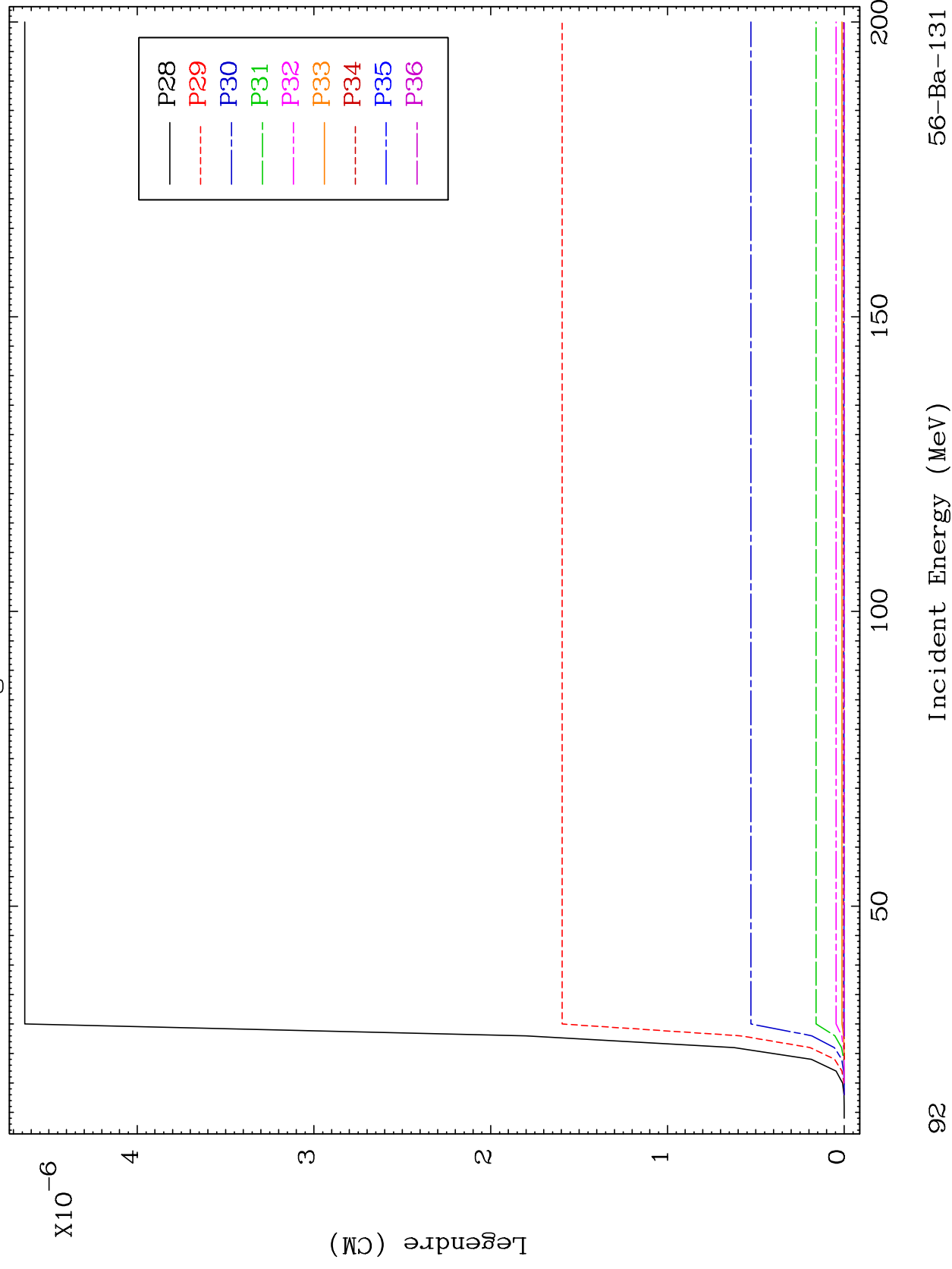
90



MAT 5628

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

56-Ba-131



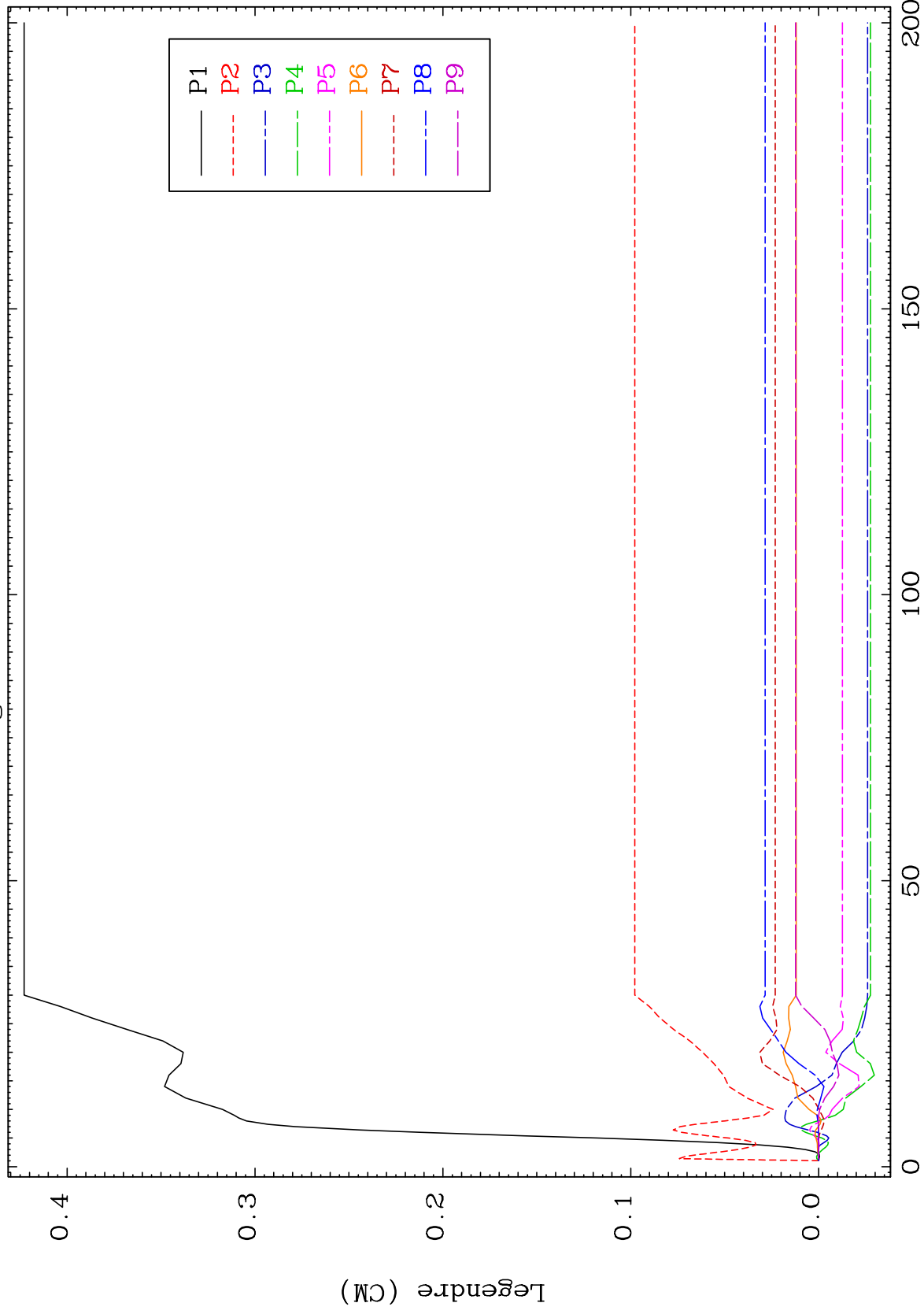
92

56-Ba-131

MAT 5628

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

56-Ba-131



93

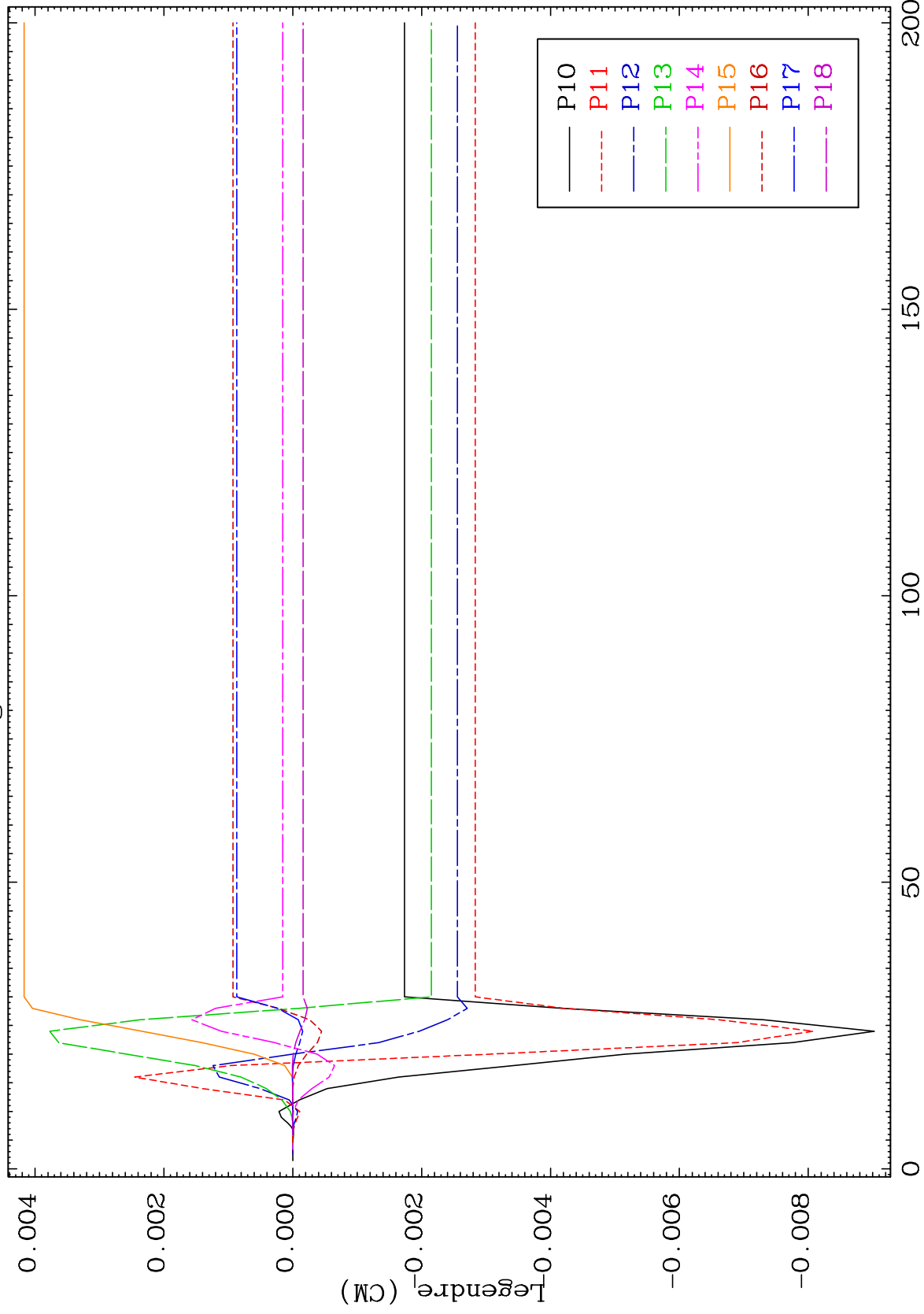
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



94

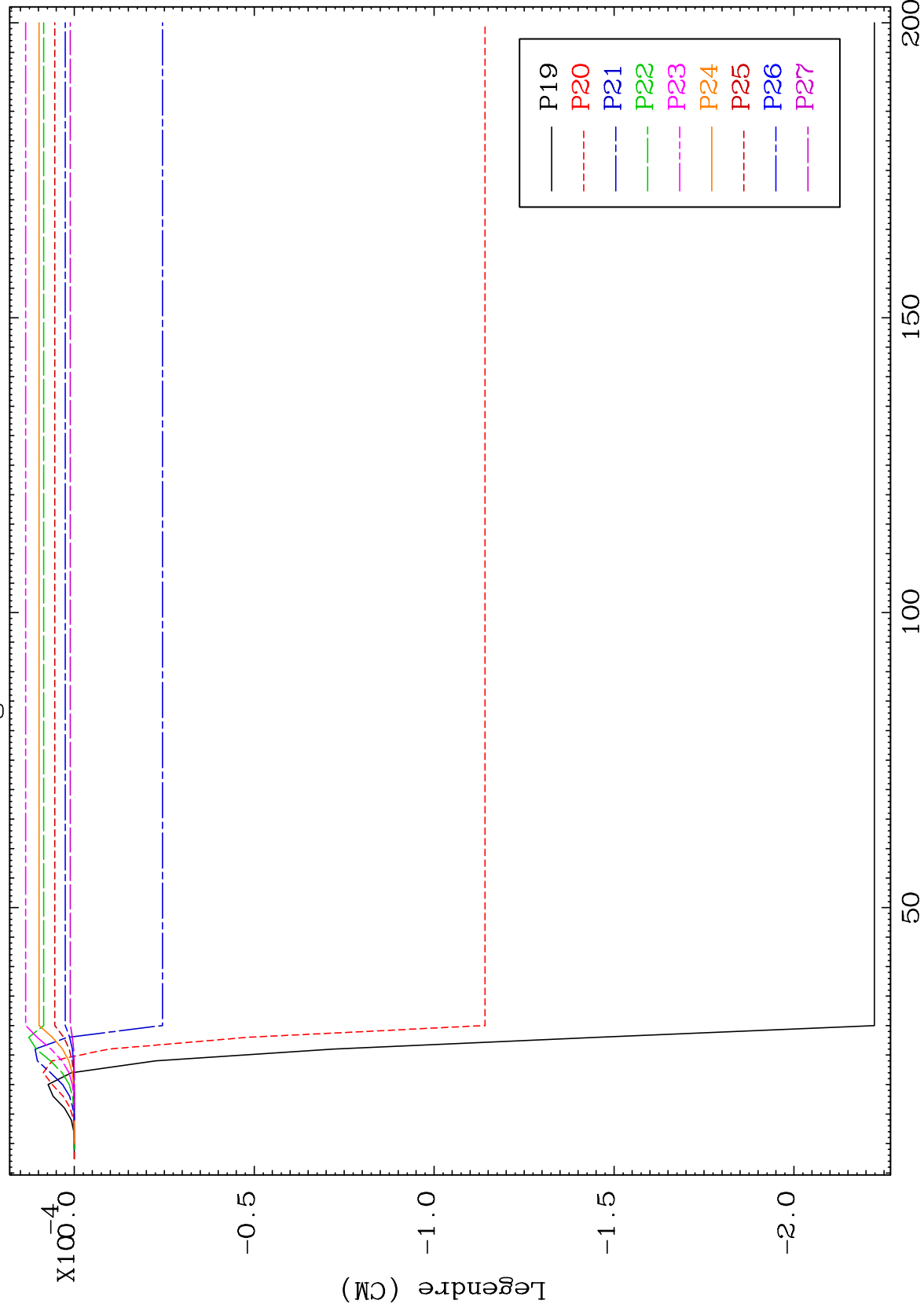
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



95

Incident Energy (MeV)

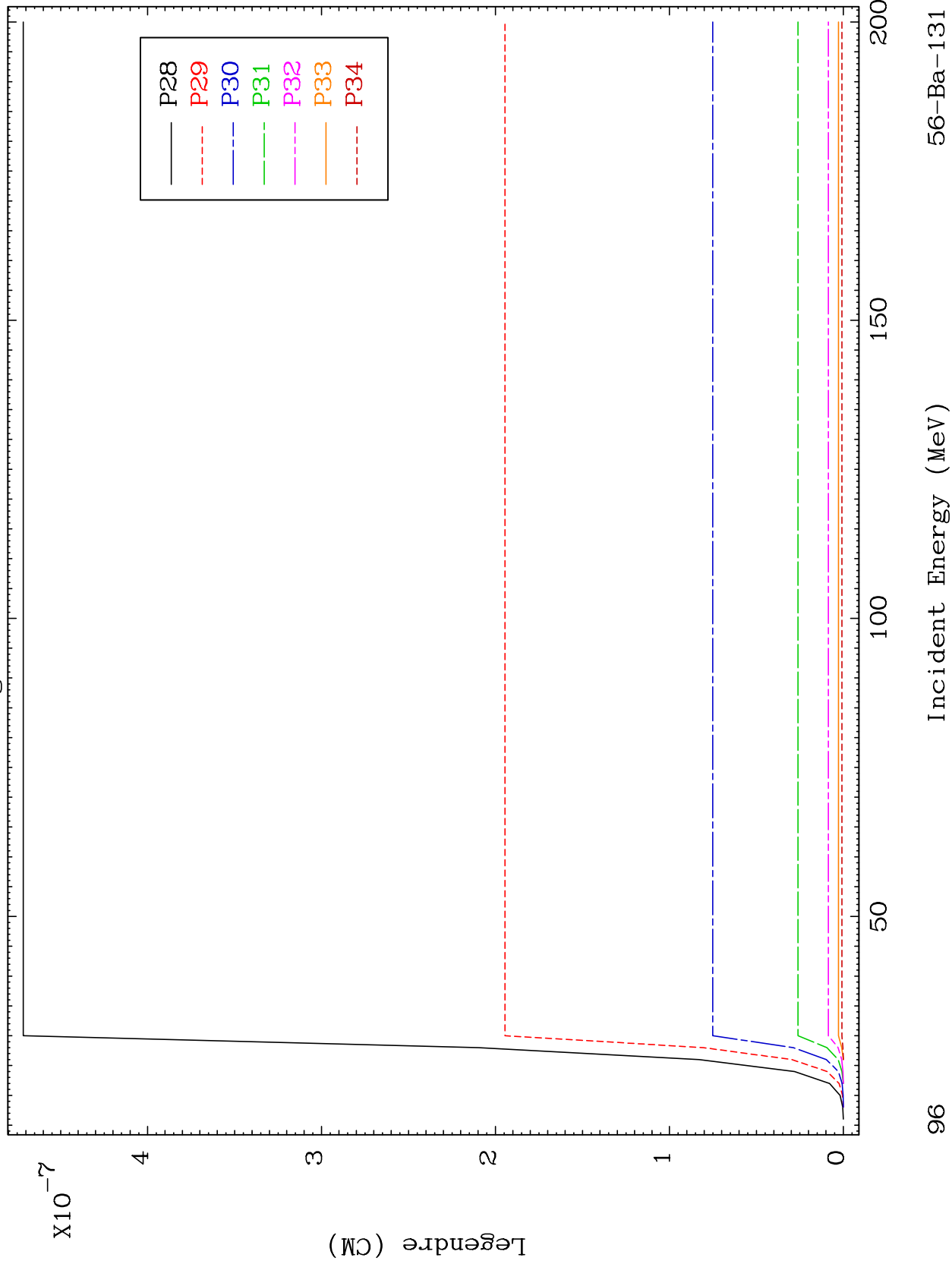
56-Ba-131

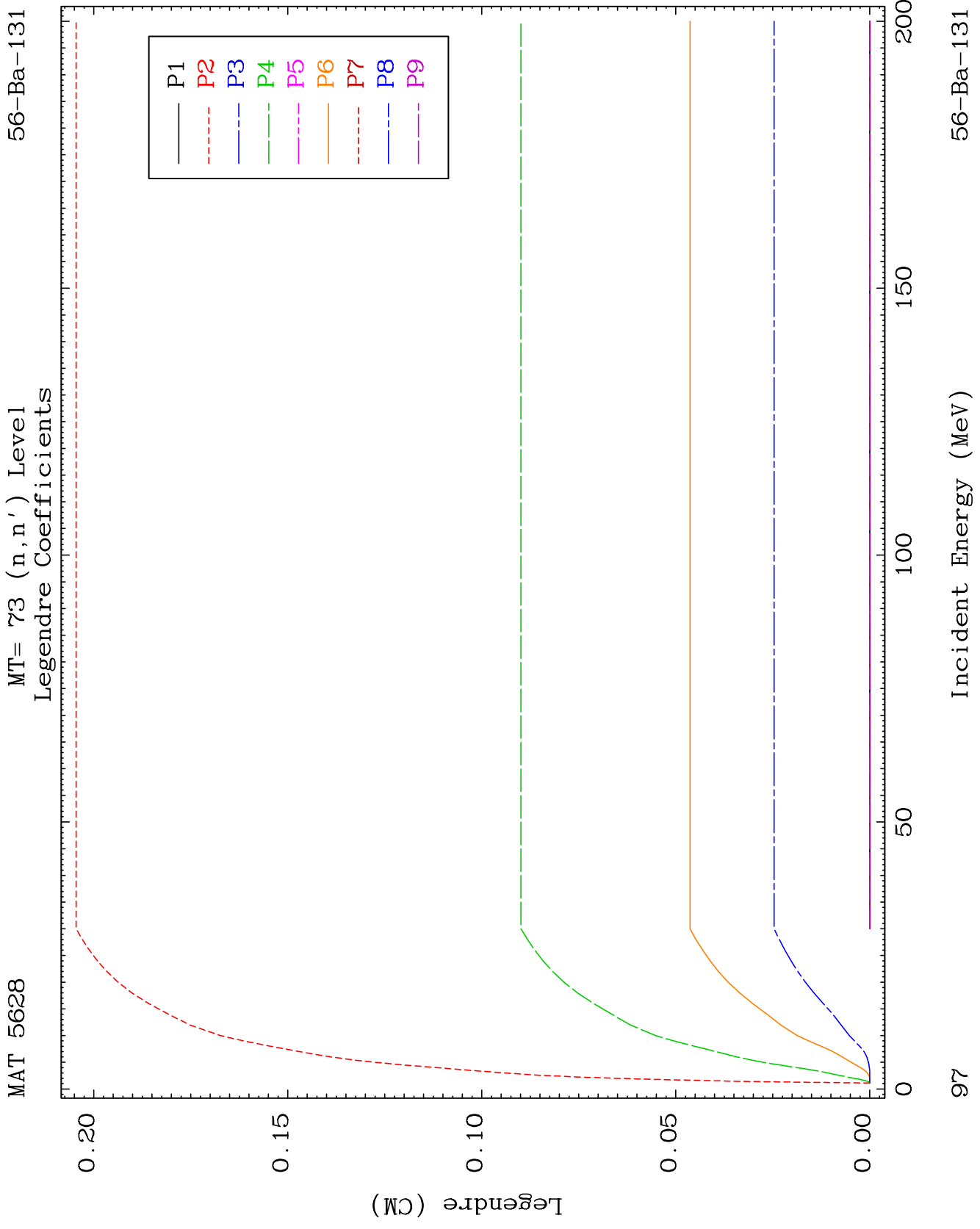


MAT 5628

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

56-Ba-131

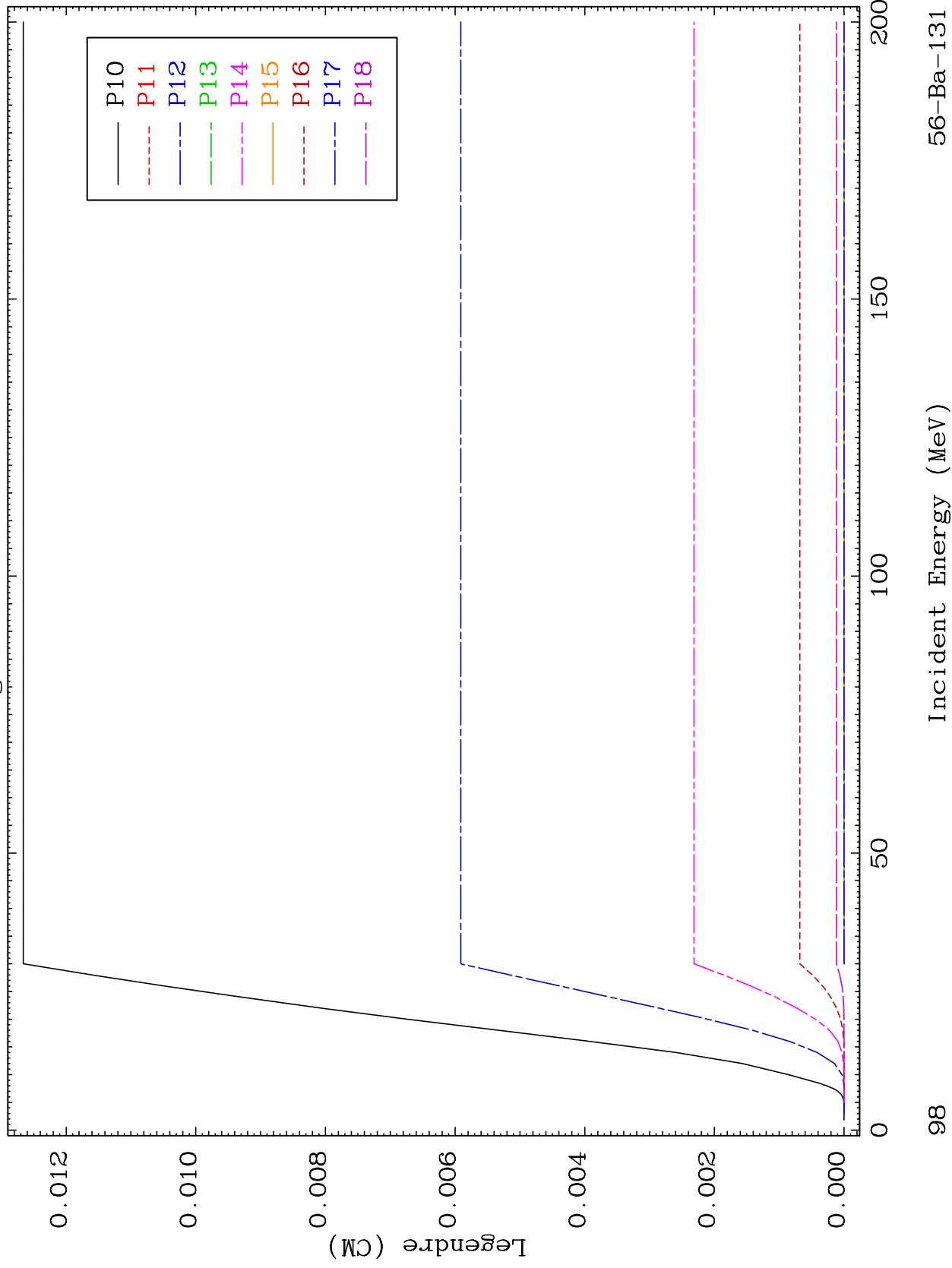




MAT 5628

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

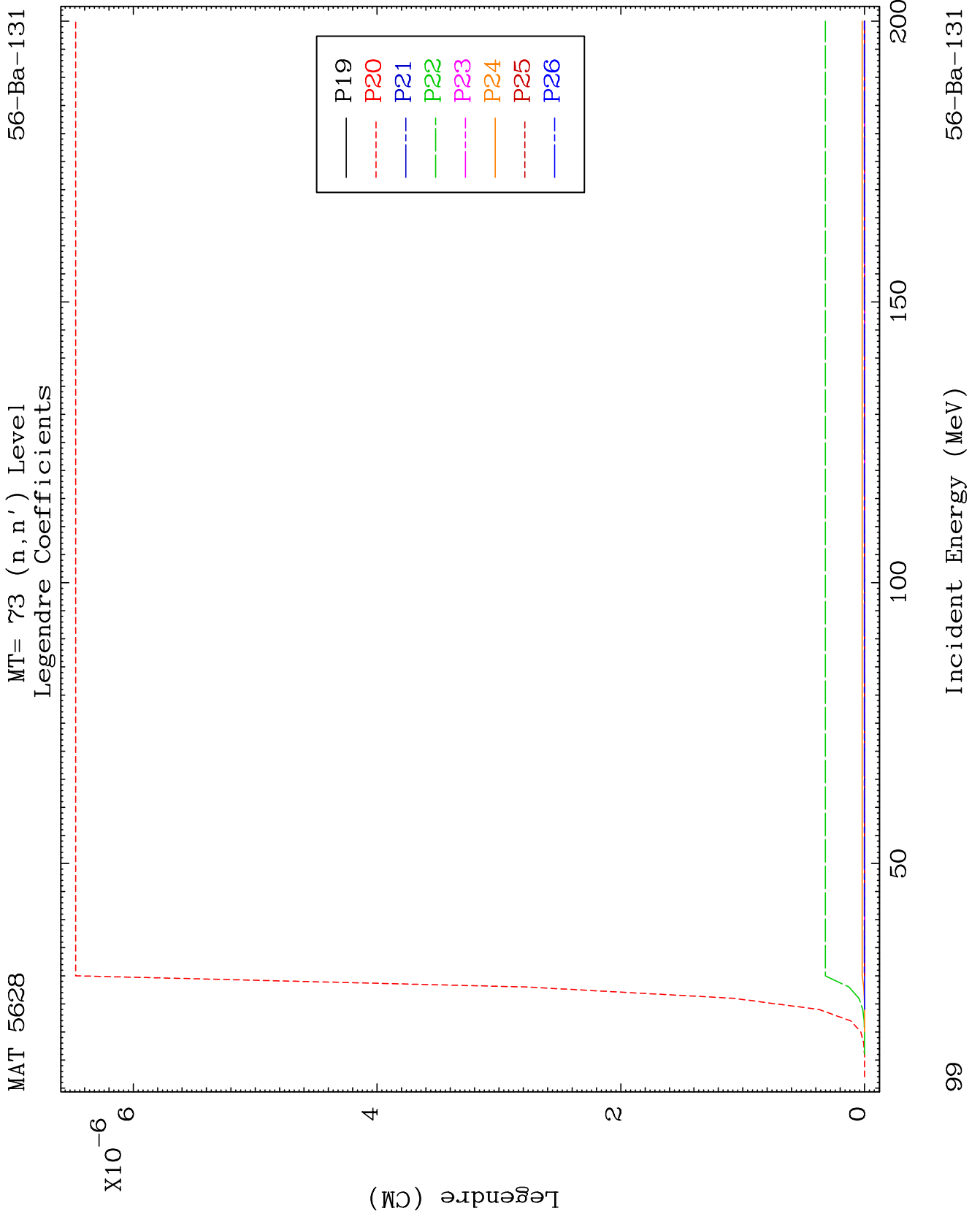
56-Ba-131



56-Ba-131

Incident Energy (MeV)

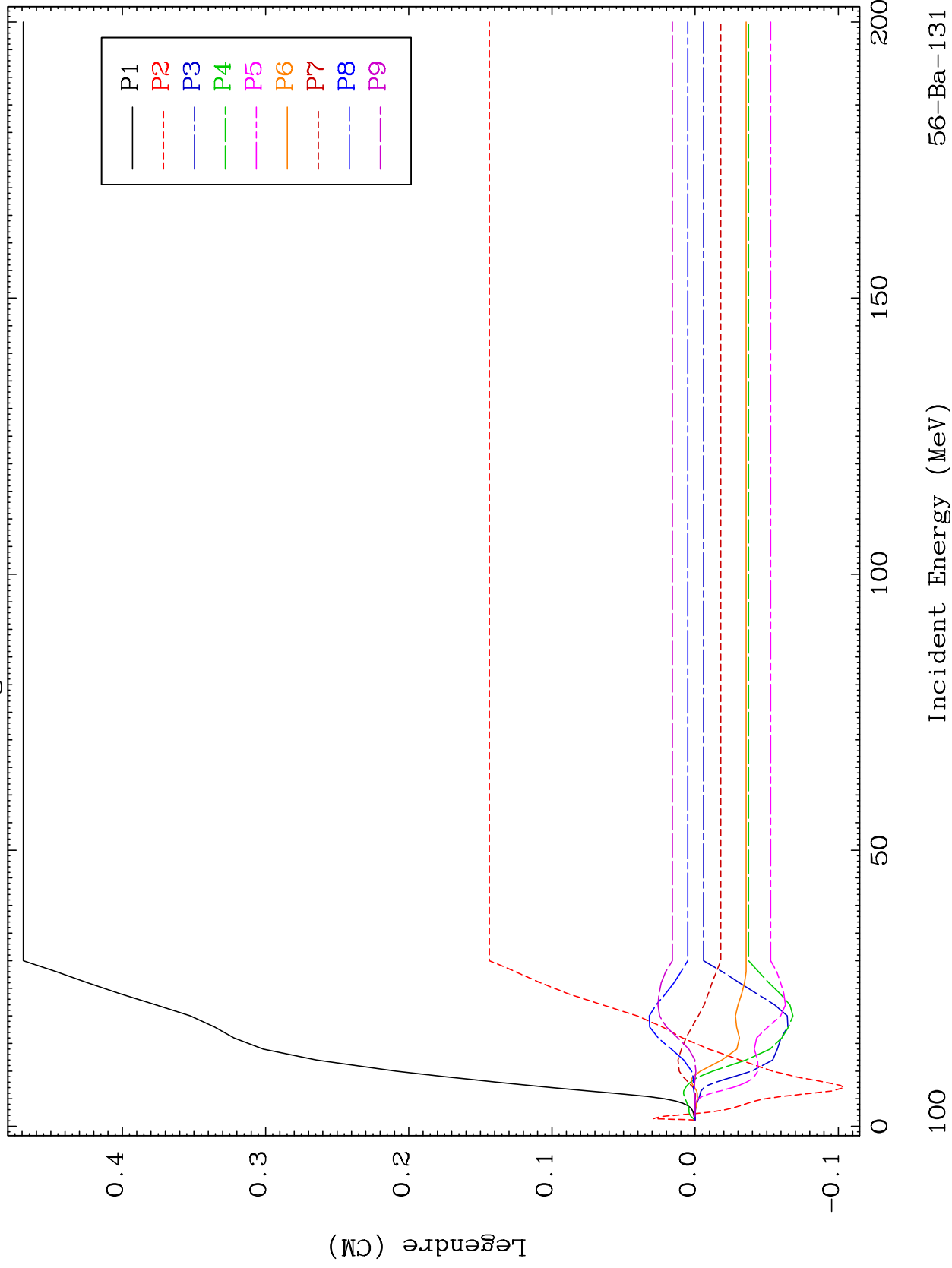
98



MAT 5628

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

56-Ba-131



56-Ba-131

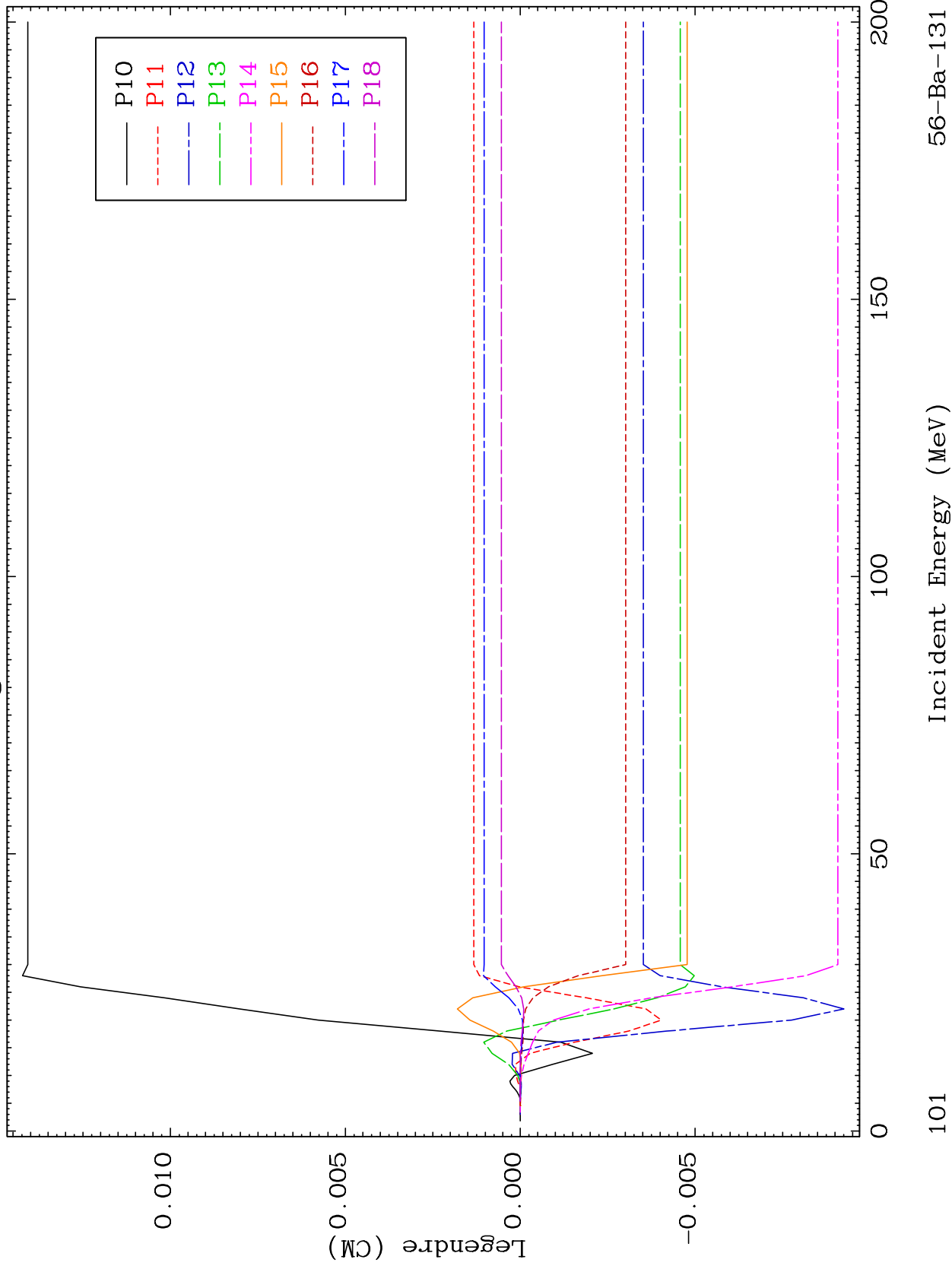
Incident Energy (MeV)

100

MAT 5628

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

56-Ba-131



101

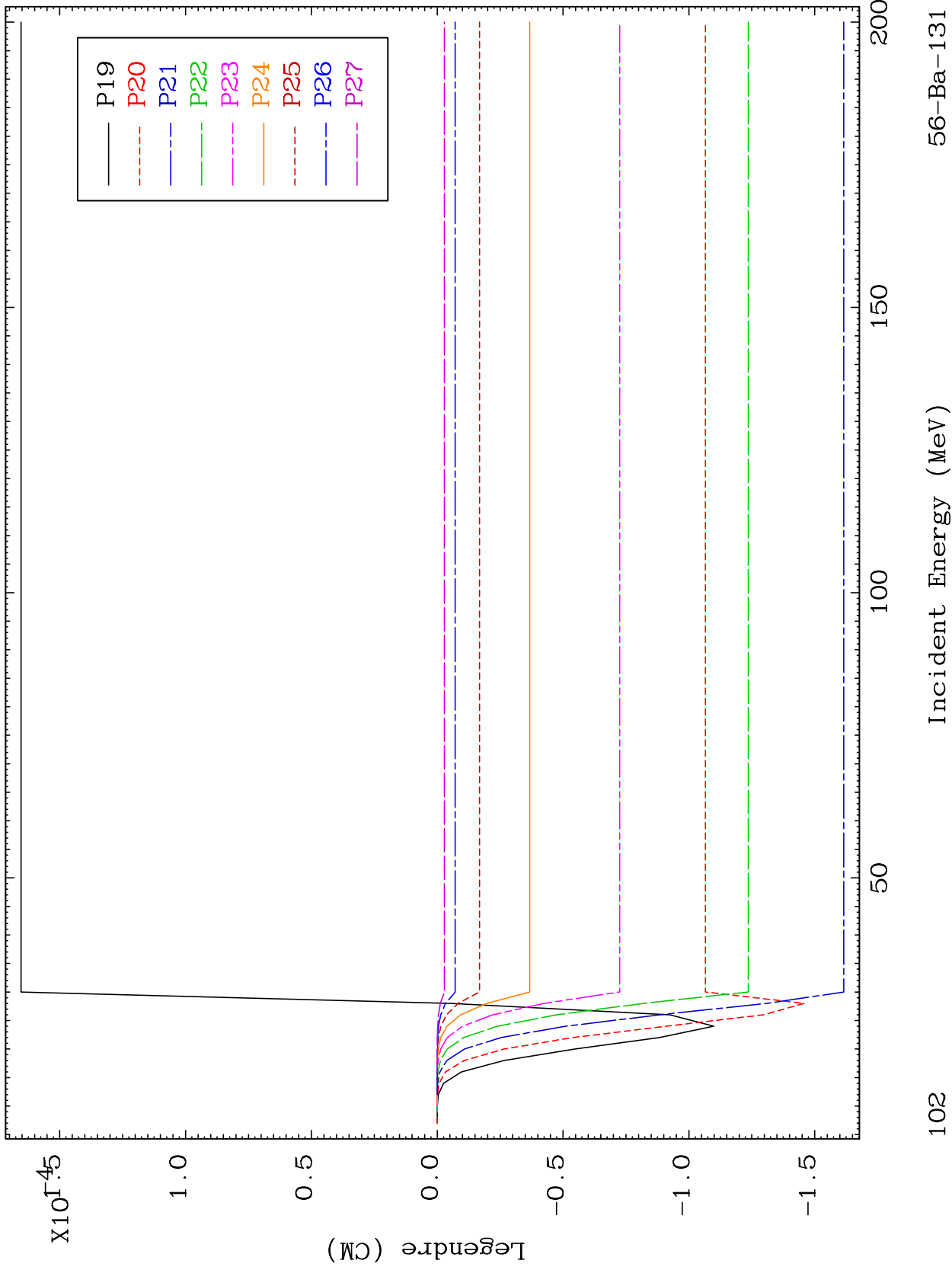
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

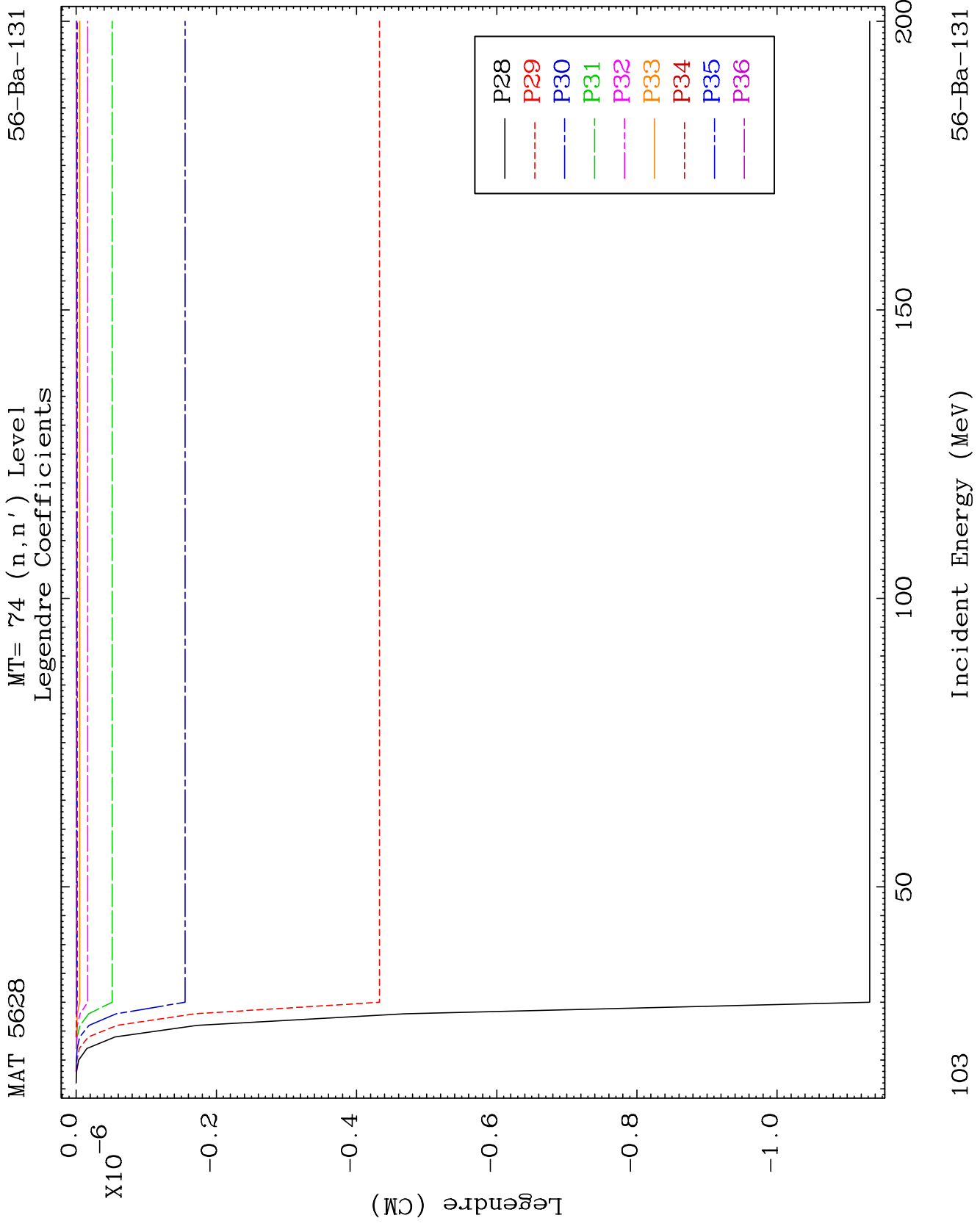
56-Ba-131



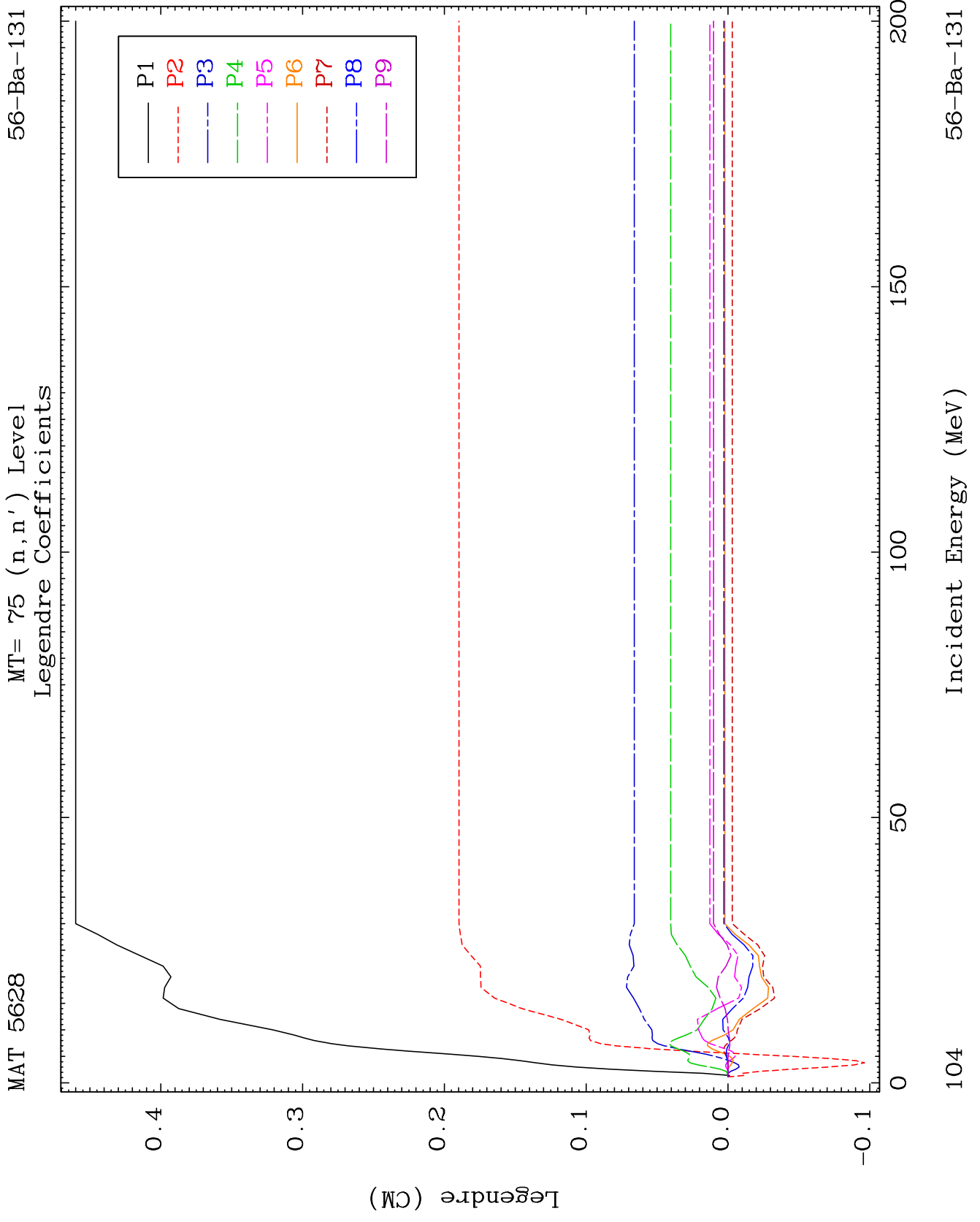
102

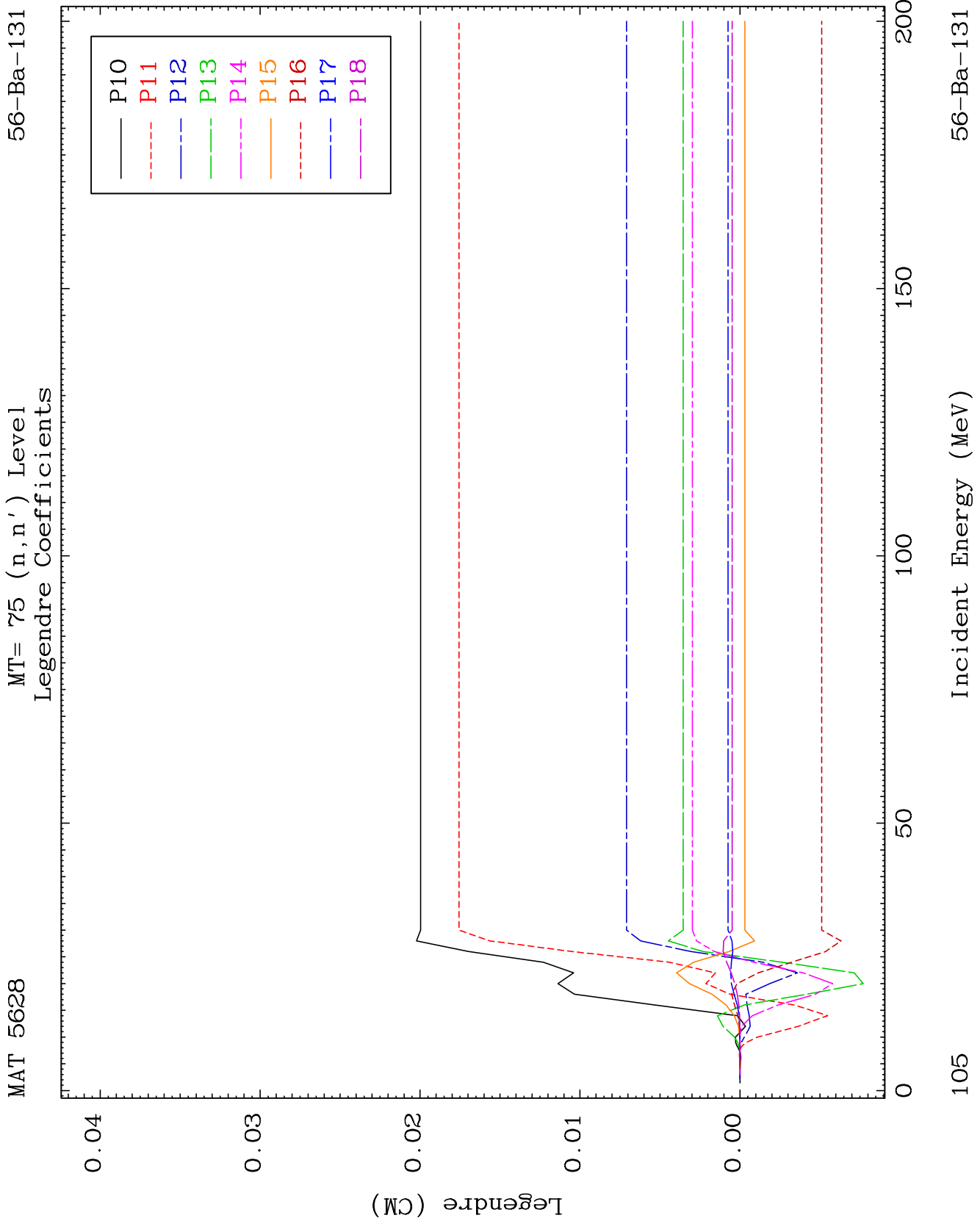
Incident Energy (MeV)

56-Ba-131





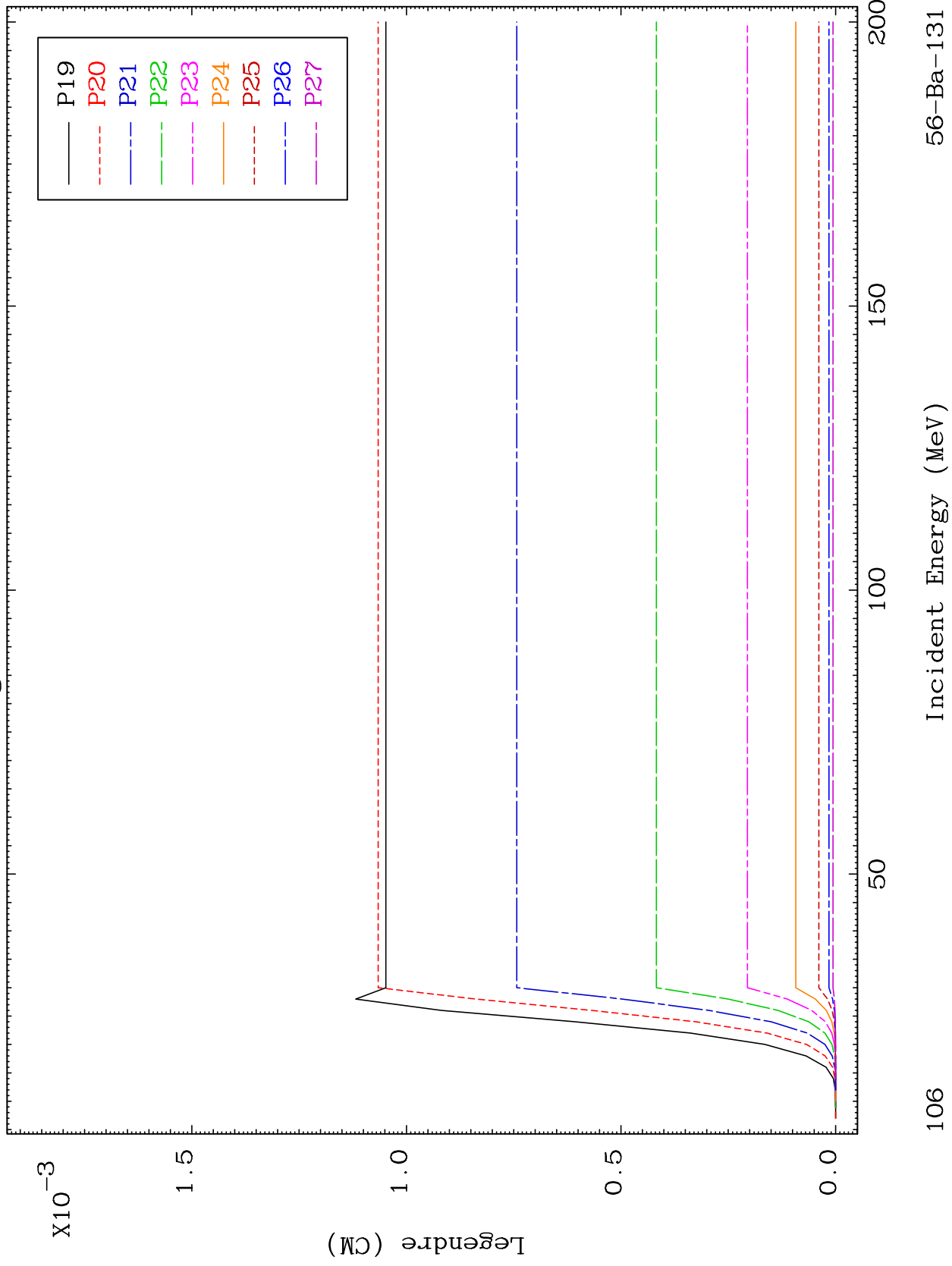




MAT 5628

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

56-Ba-131



106

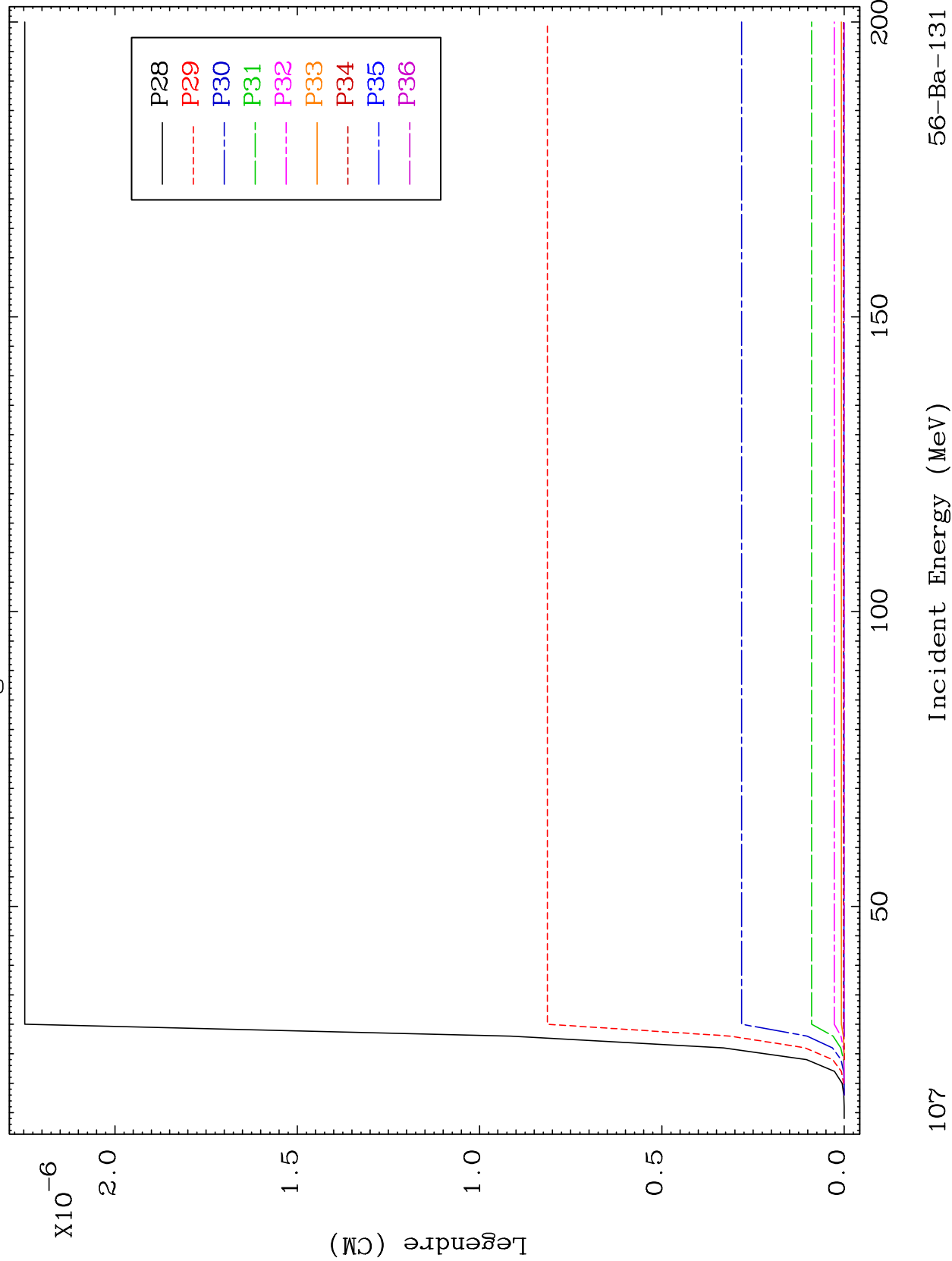
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

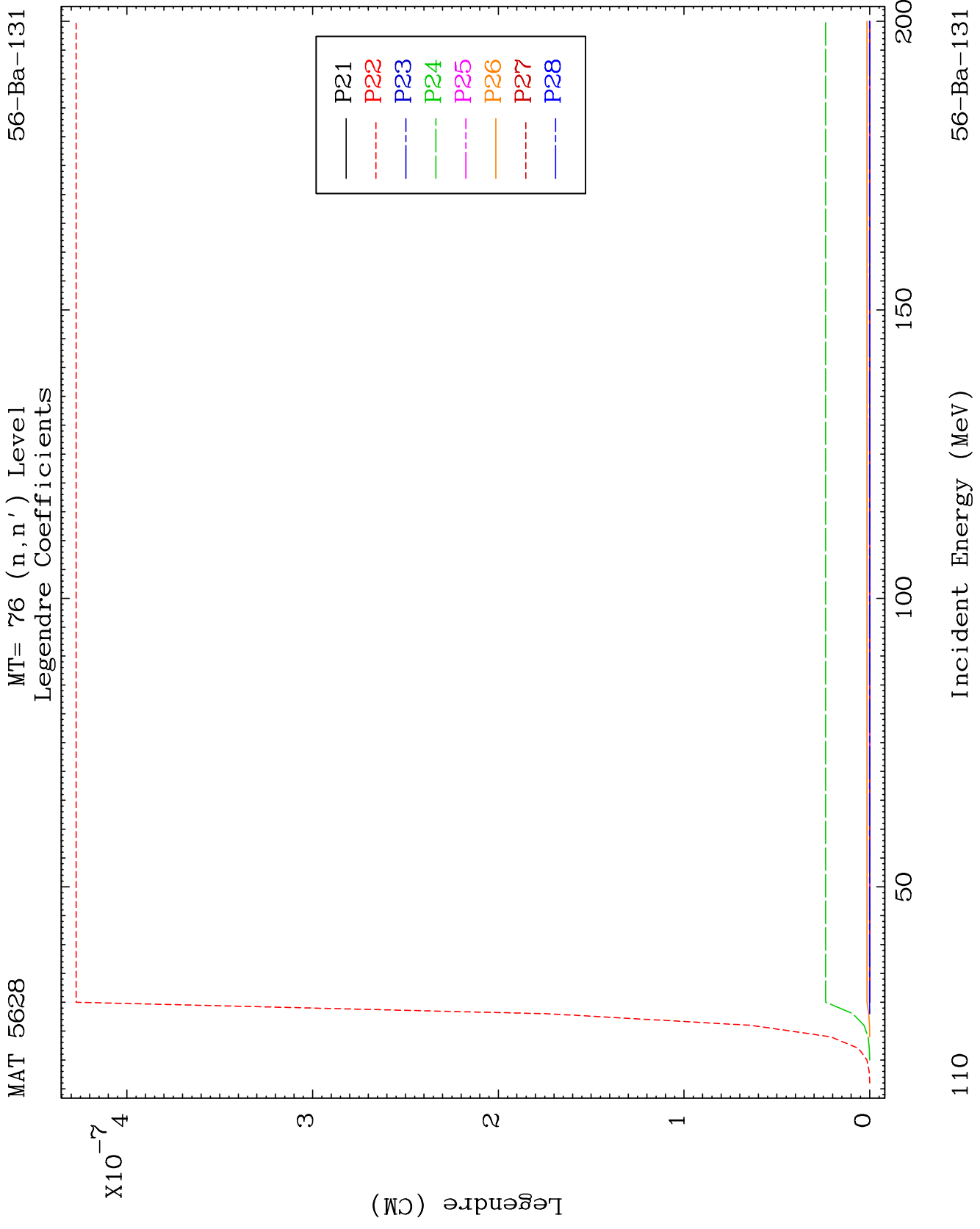


107

56-Ba-131







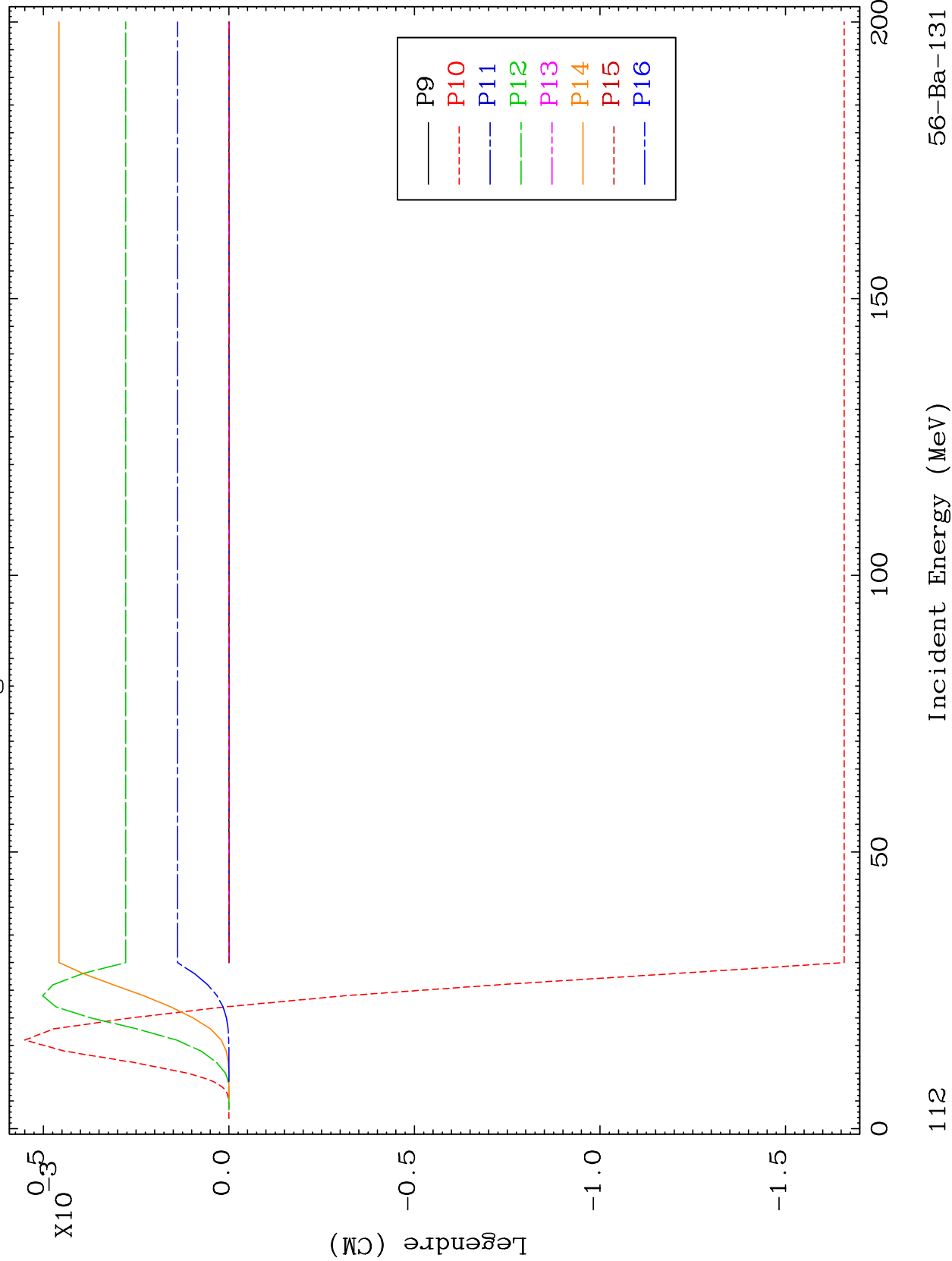




MAT 5628

56-Ba-131

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

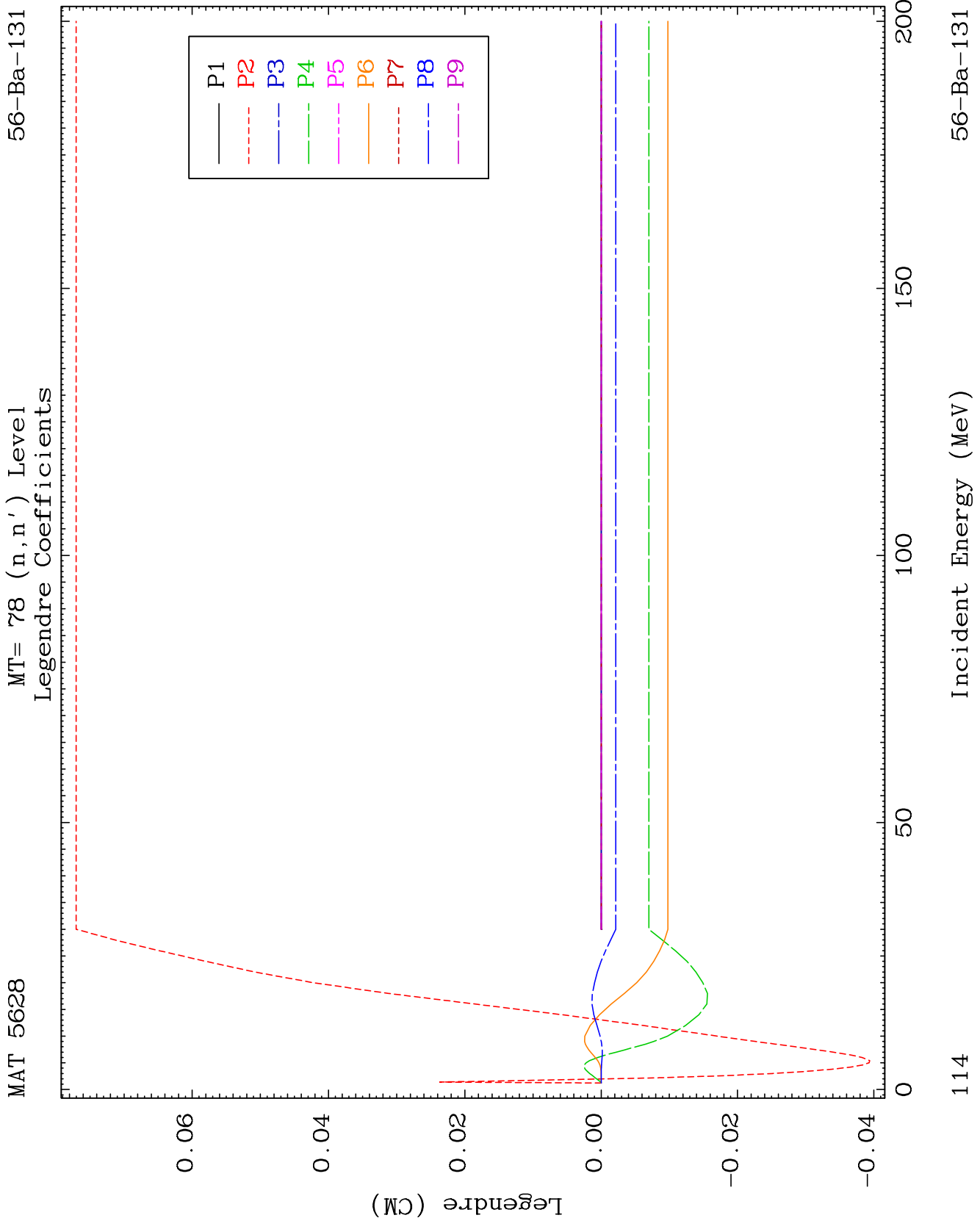


112

Incident Energy (MeV)

56-Ba-131





56-Ba-131

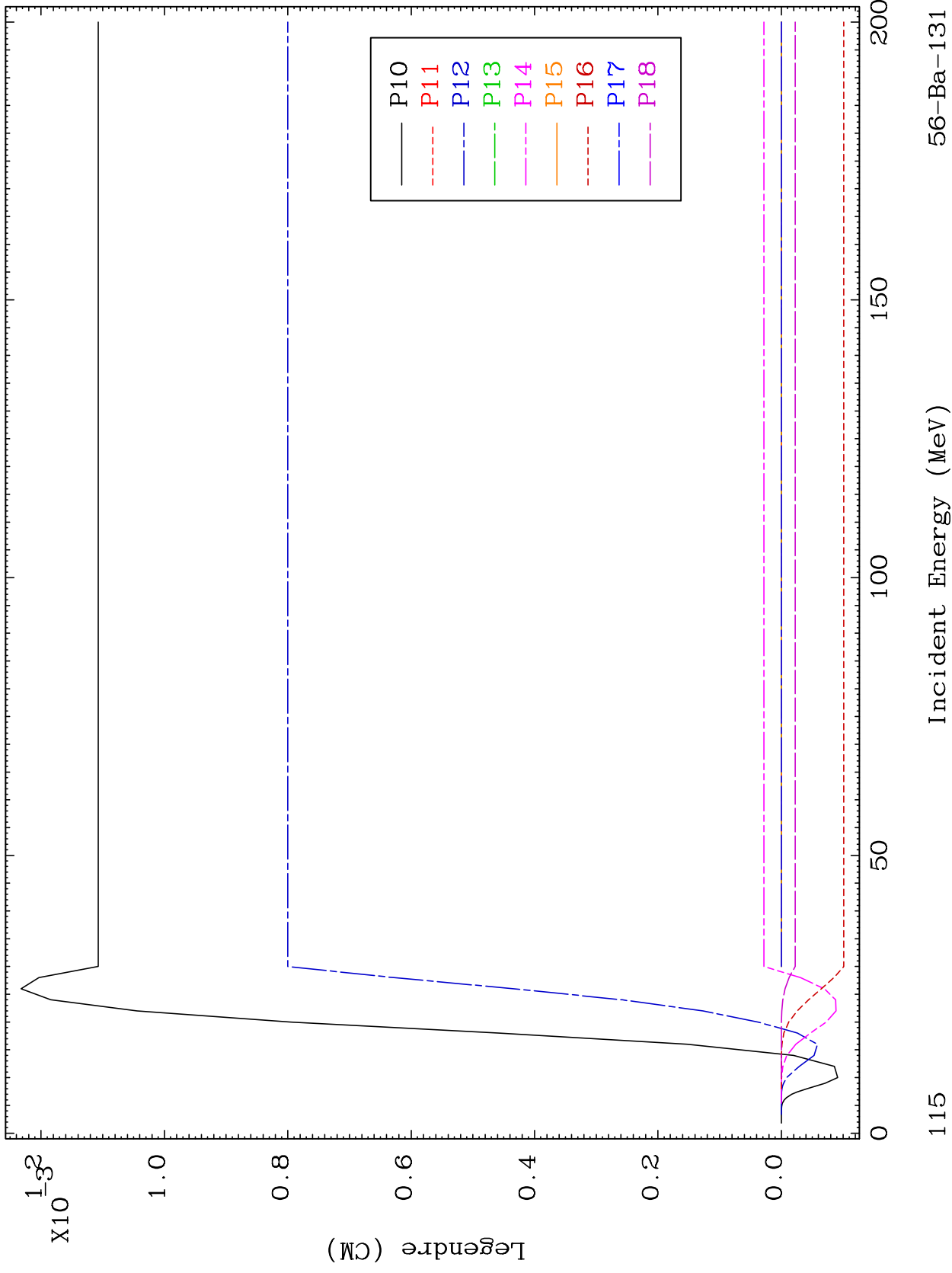
Incident Energy (MeV)

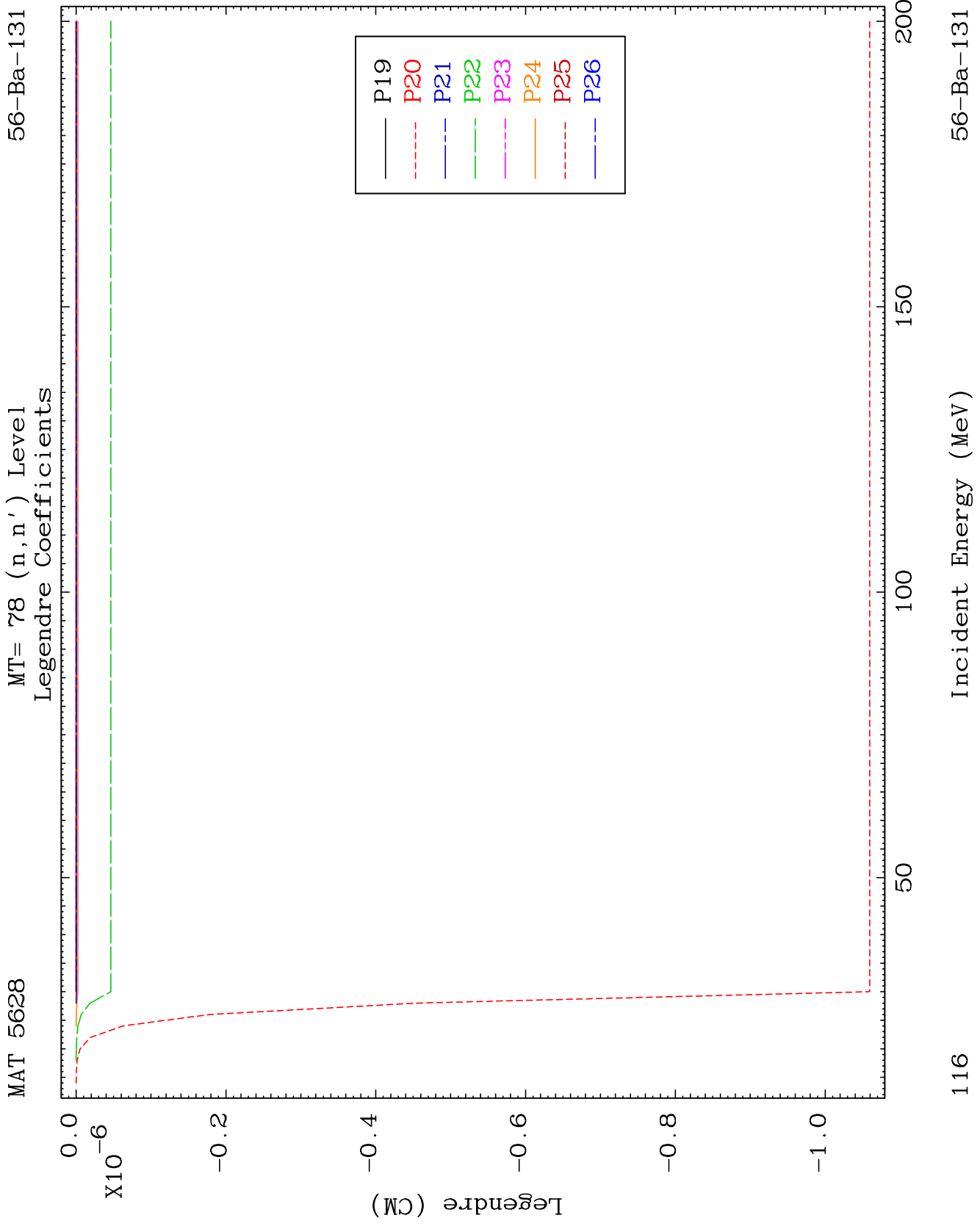
114

MAT 5628

56-Ba-131

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



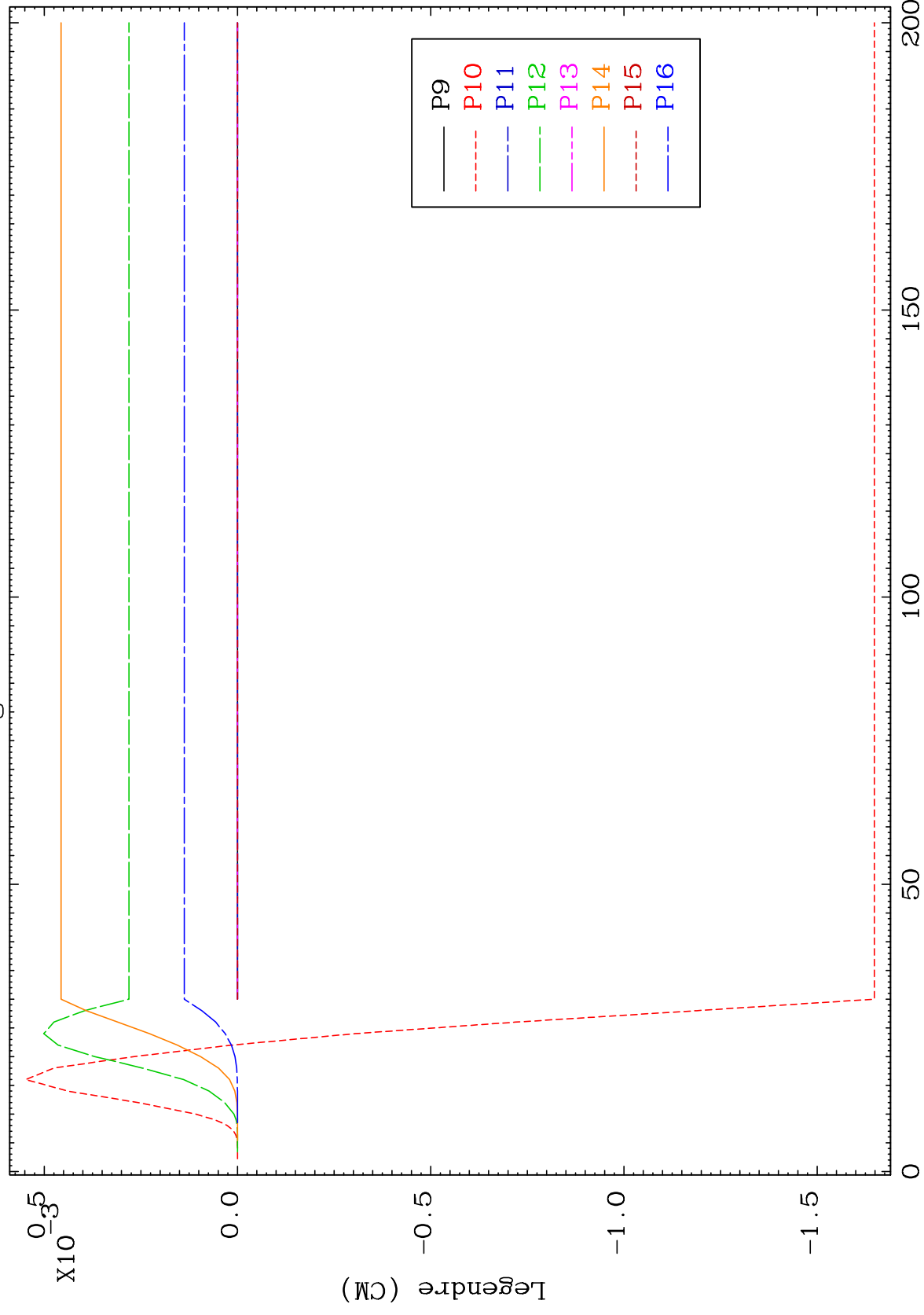




MAT 5628

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

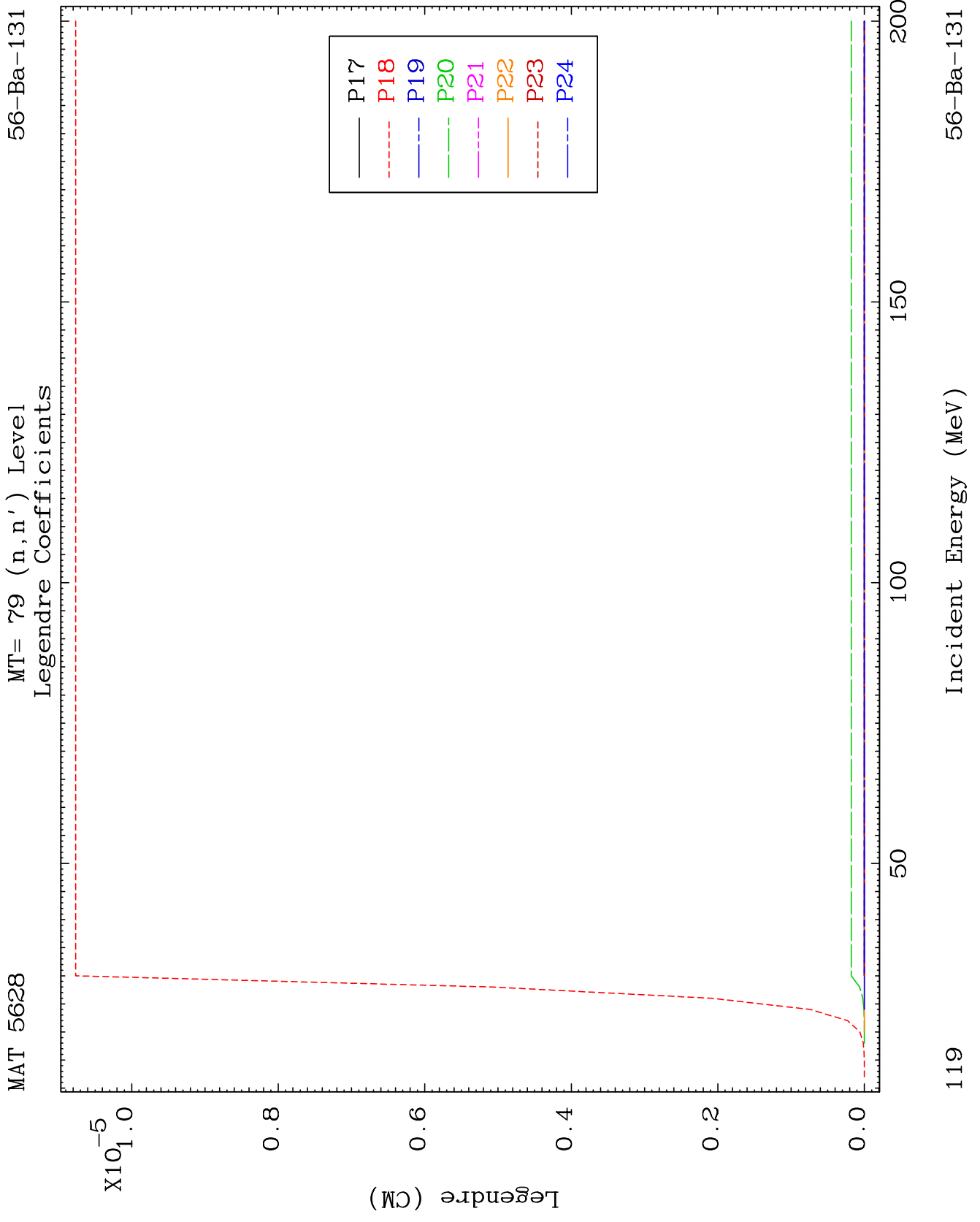
56-Ba-131



118

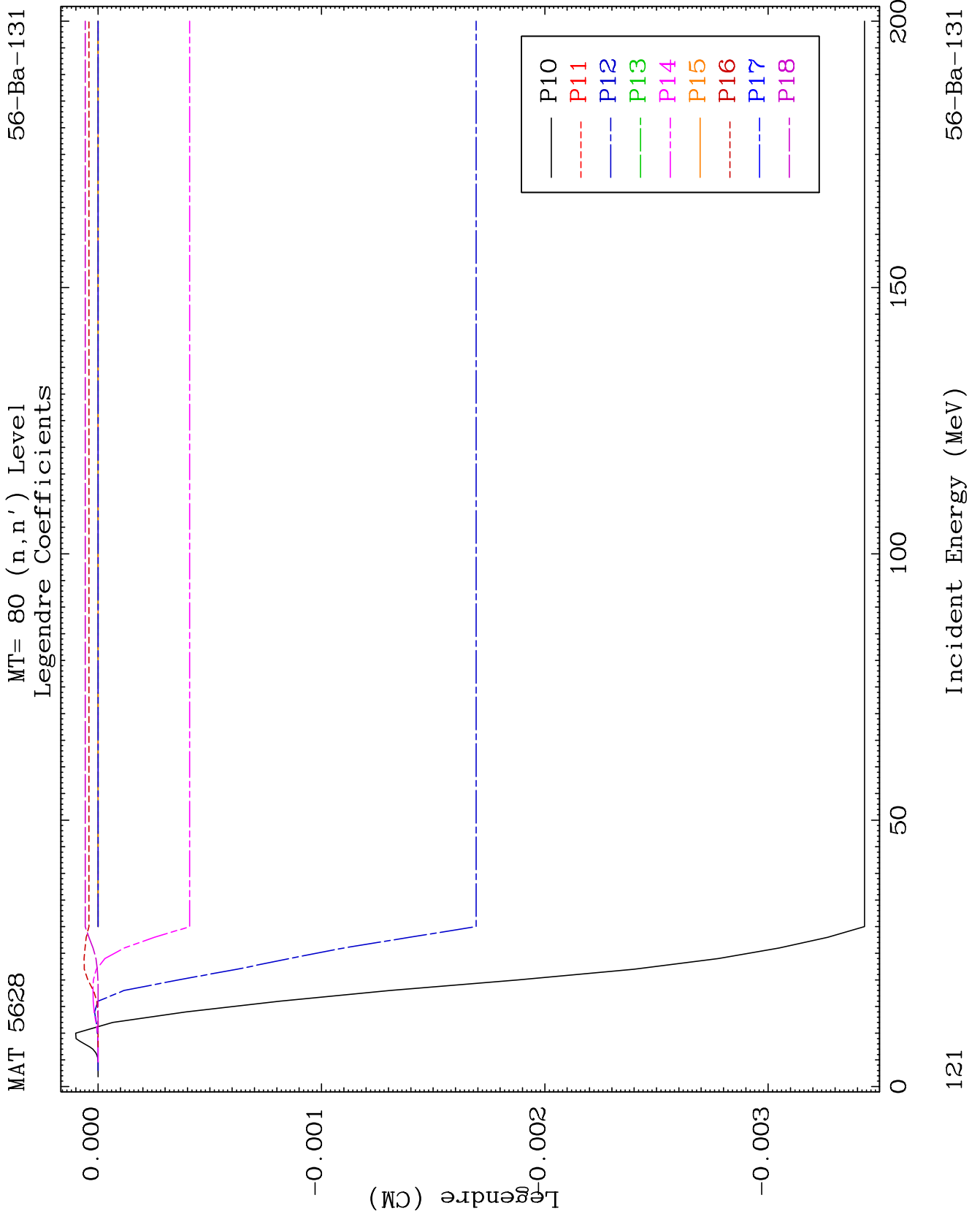
Incident Energy (MeV)

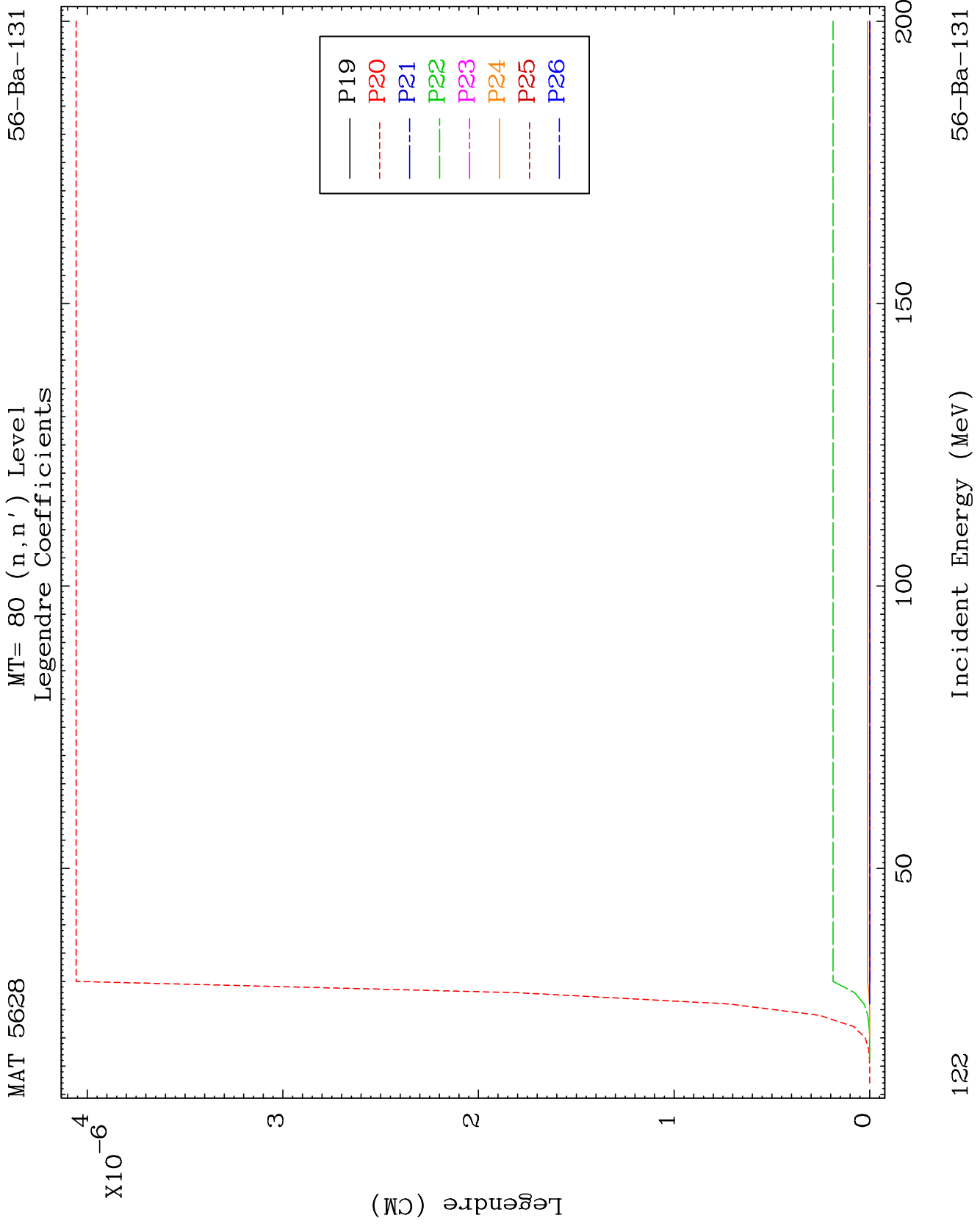
56-Ba-131







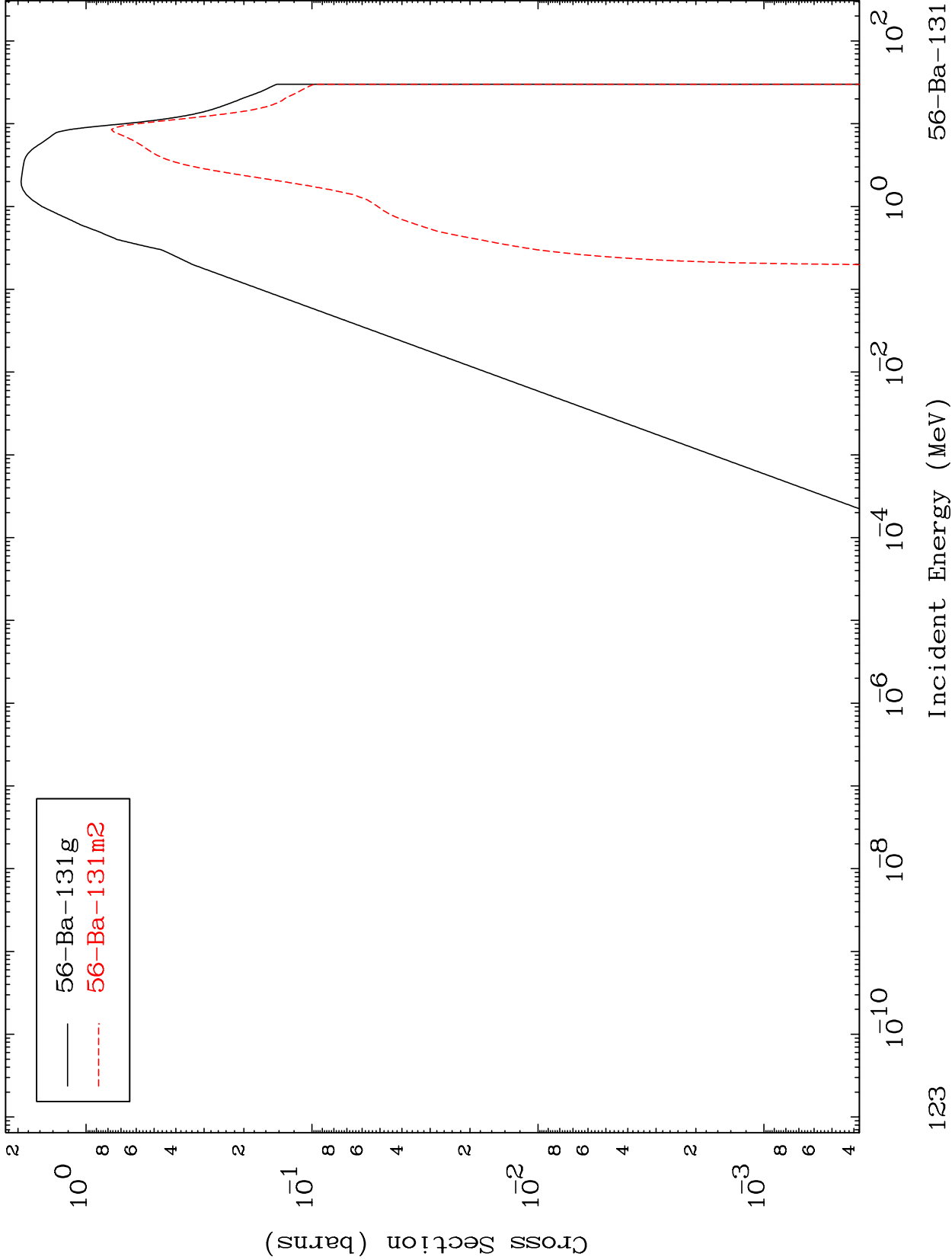




MAT 5628

Inelastic  
Radionuclide Production Cross Section

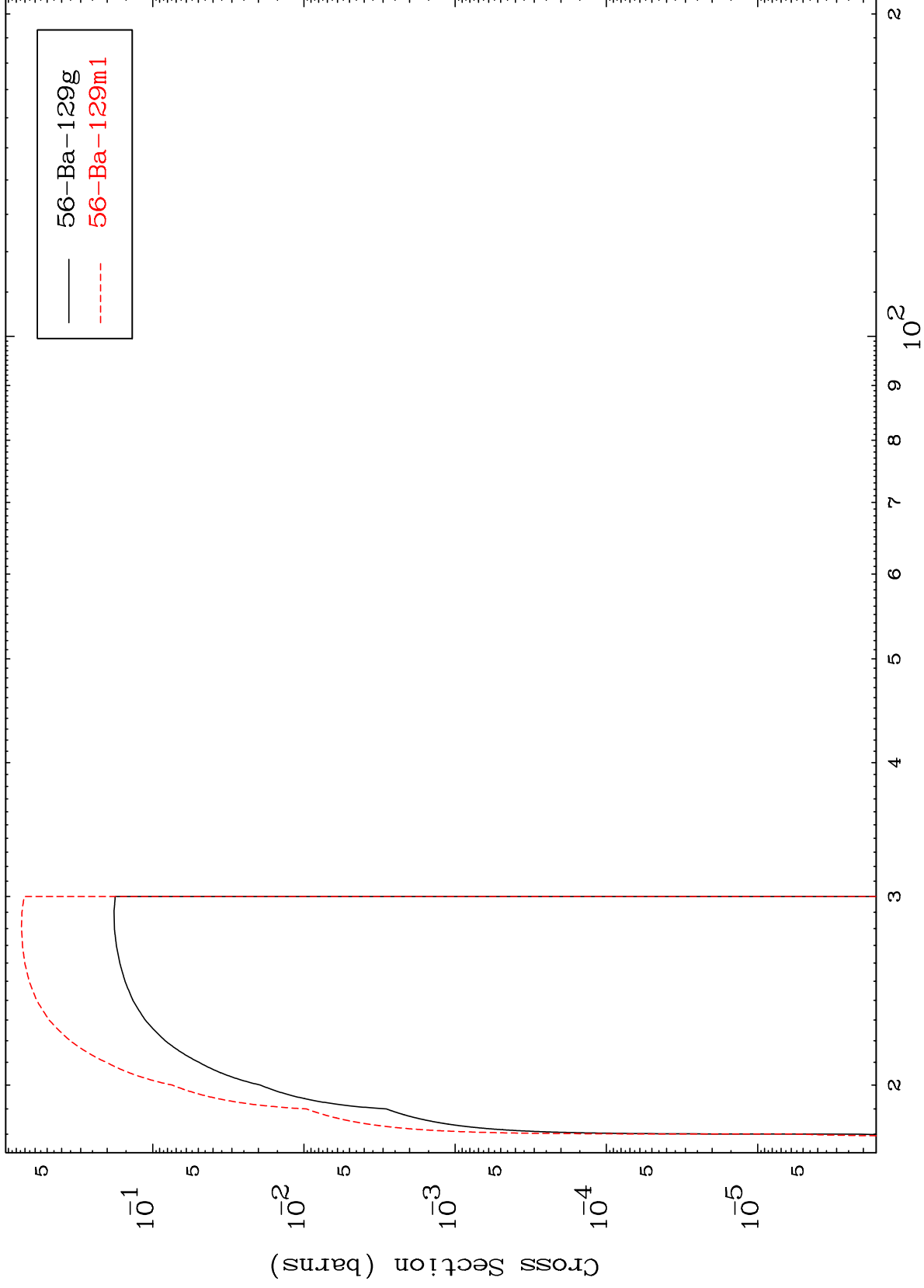
56-Ba-131



MAT 5628

56-Ba-131

(n,3n)  
Radionuclide Production Cross Section



124

Incident Energy (MeV)

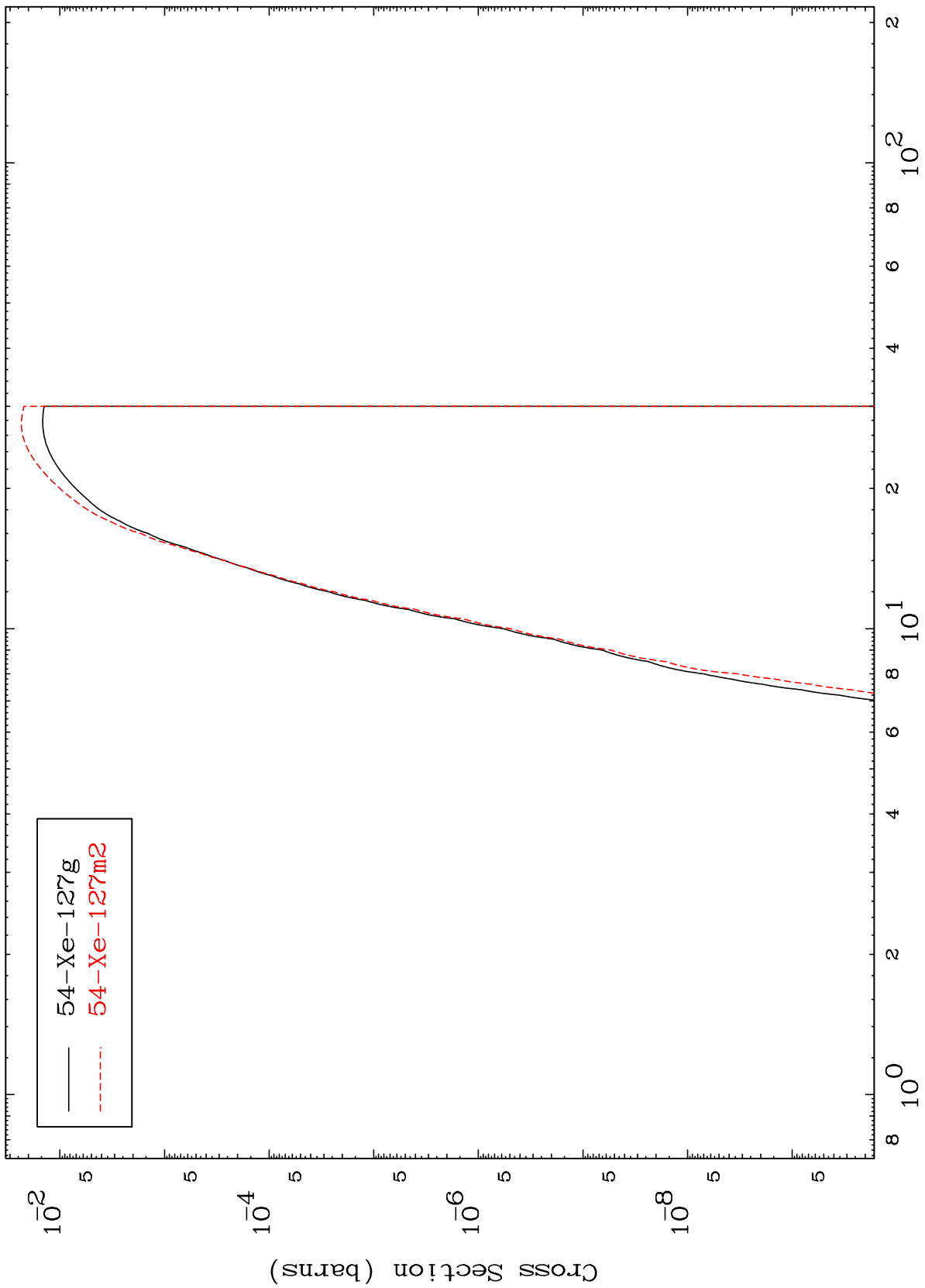
56-Ba-131

MAT 5628

(n,n')  $\alpha$

56-Ba-131

Radionuclide Production Cross Section



54-Xe-127g  
54-Xe-127m2

125

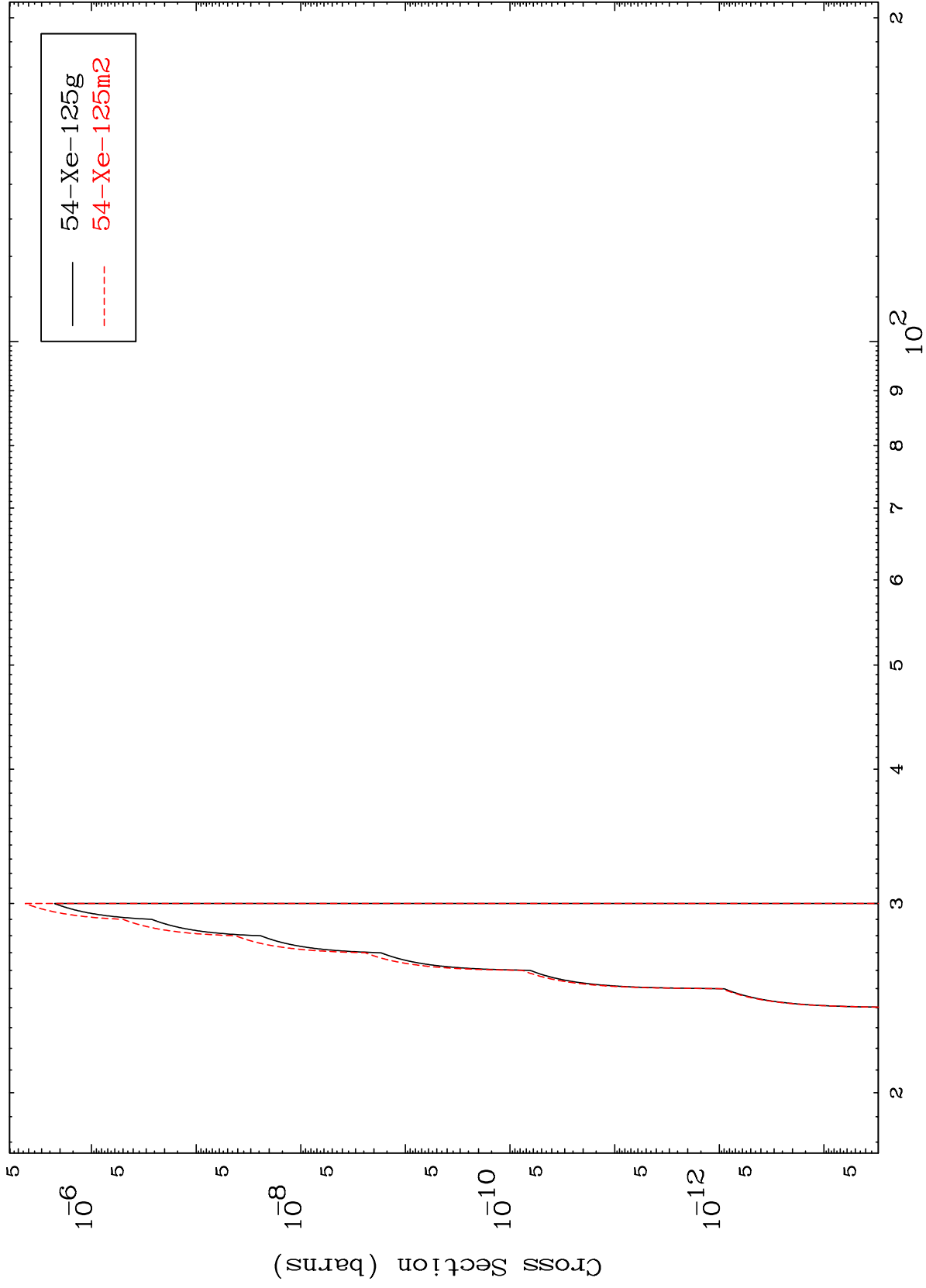
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

$(n,3n) \alpha$   
Radionuclide Production Cross Section



126

Incident Energy (MeV)

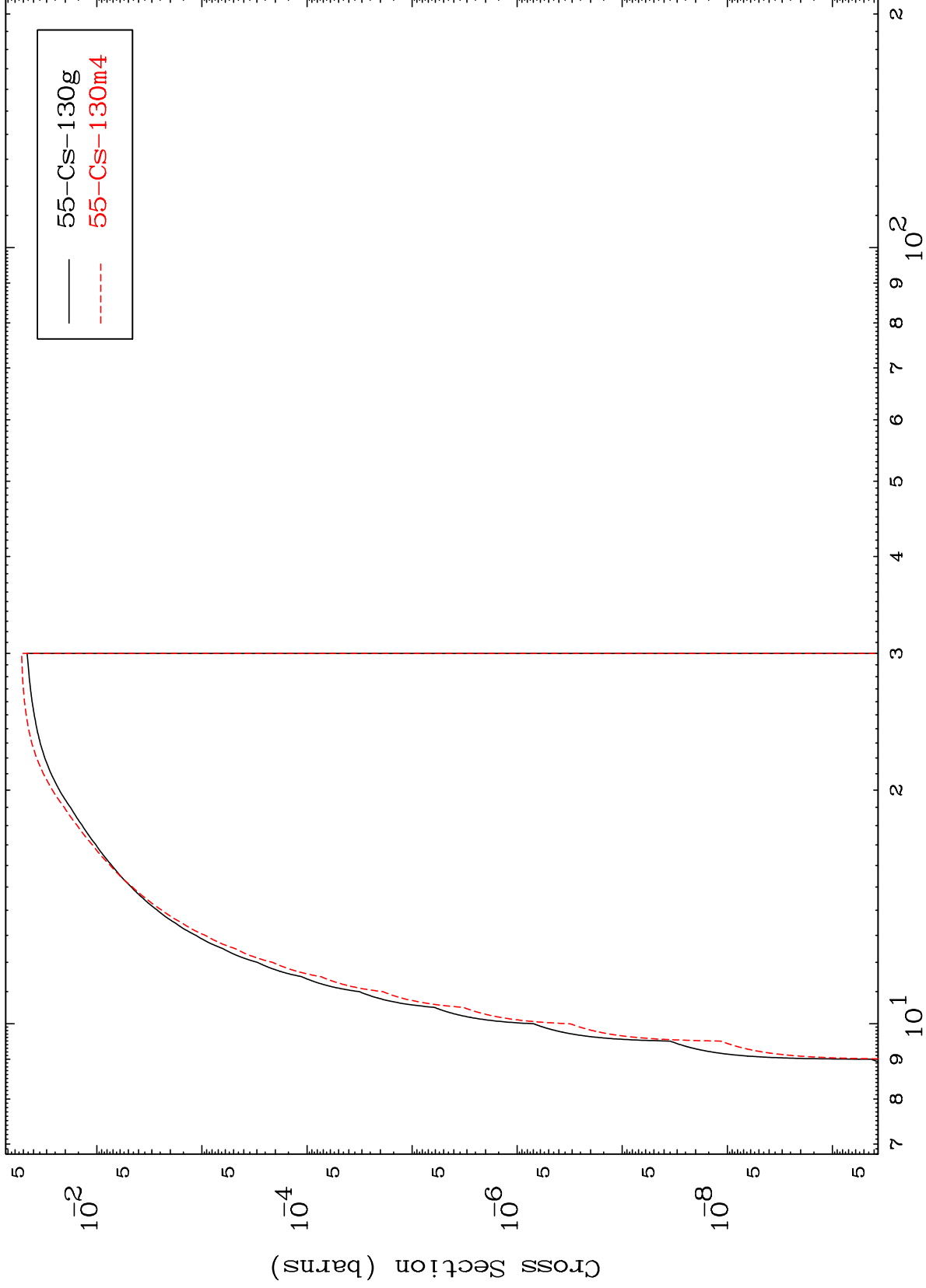
56-Ba-131

MAT 5628

(n,n') p

56-Ba-131

Radionuclide Production Cross Section



127

Incident Energy (MeV)

56-Ba-131

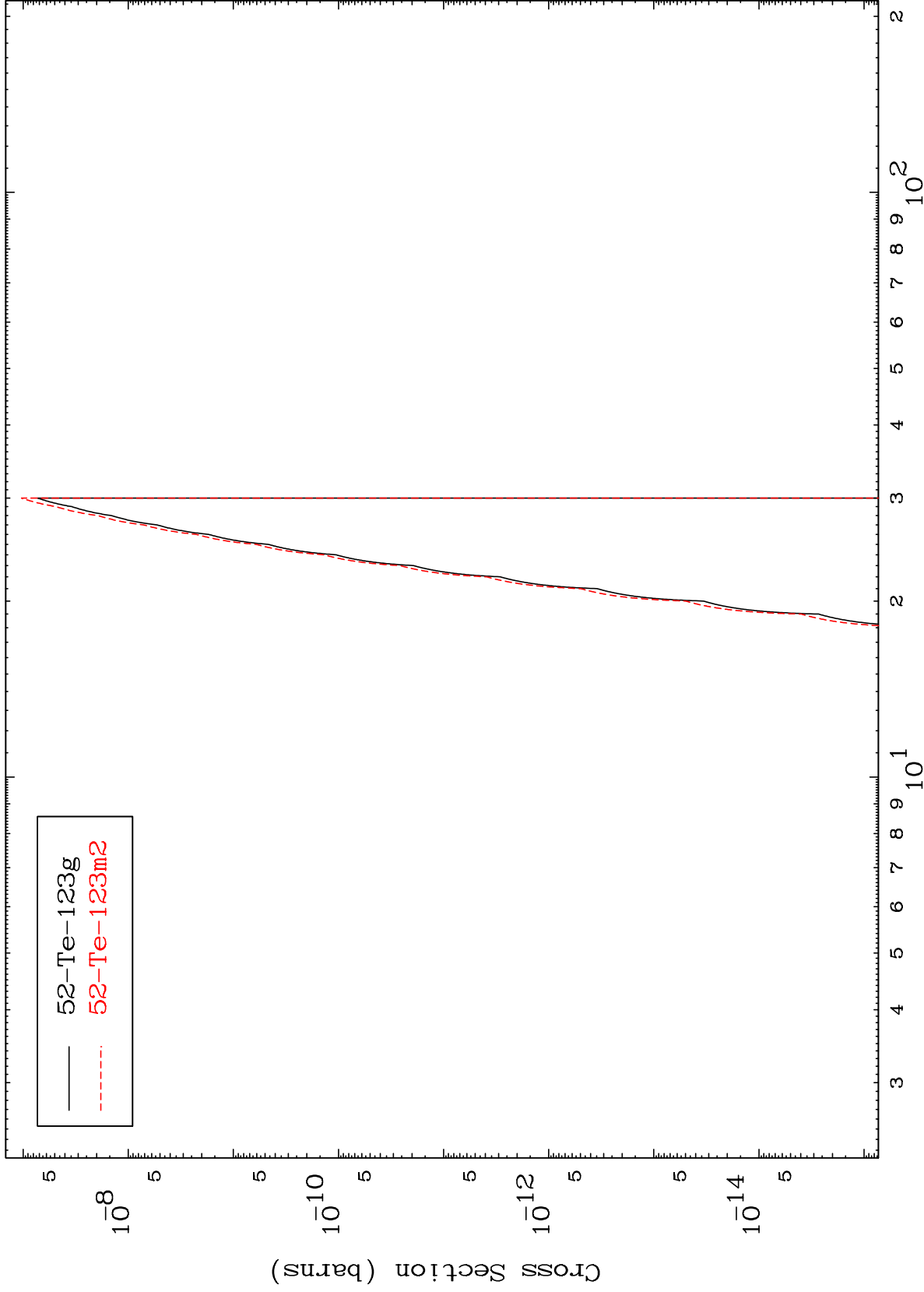


MAT 5628

(n,n') 2α

56-Ba-131

Radionuclide Production Cross Section



128

Incident Energy (MeV)

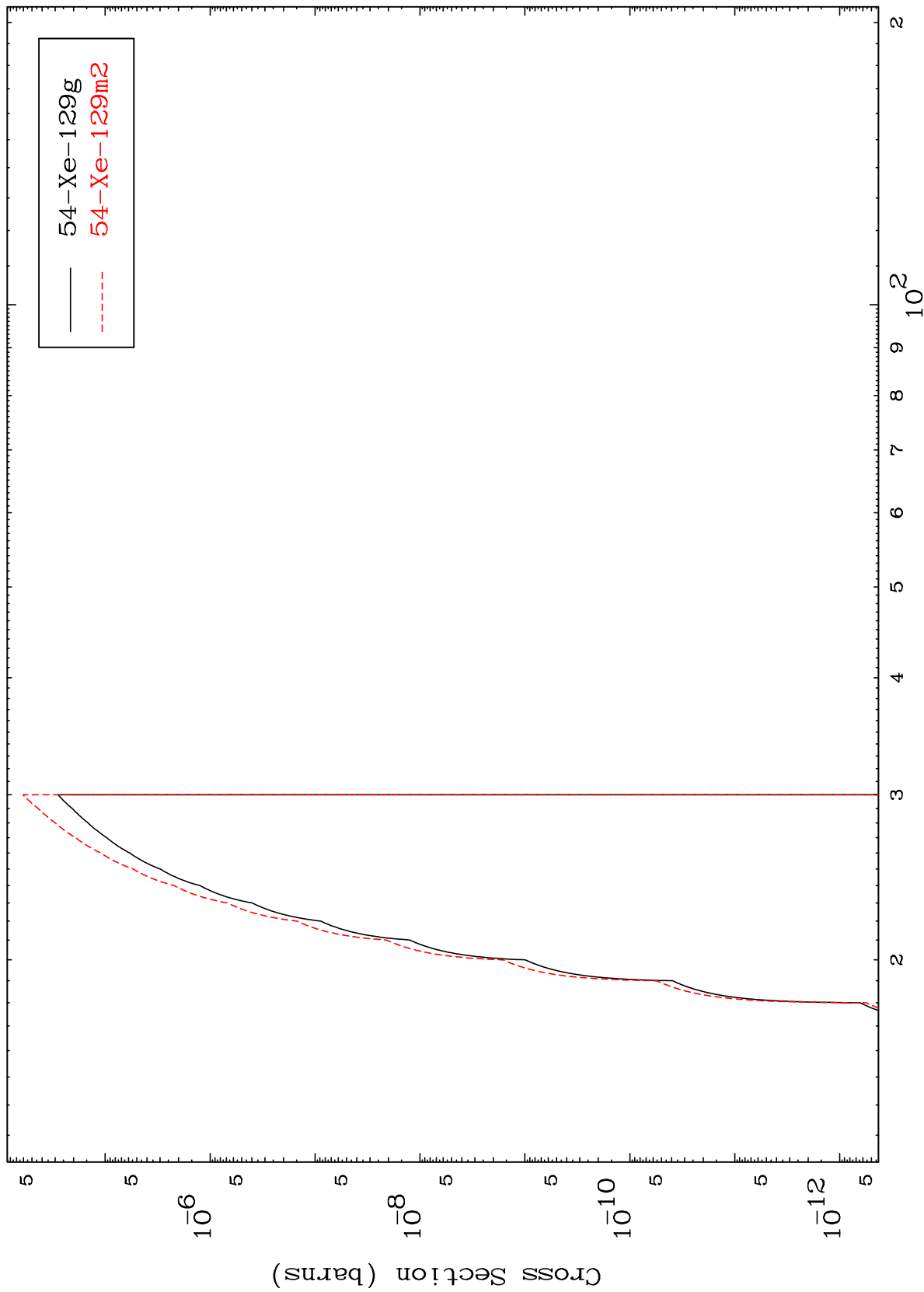
56-Ba-131

MAT 5628

(n,2n) p

56-Ba-131

Radionuclide Production Cross Section



129

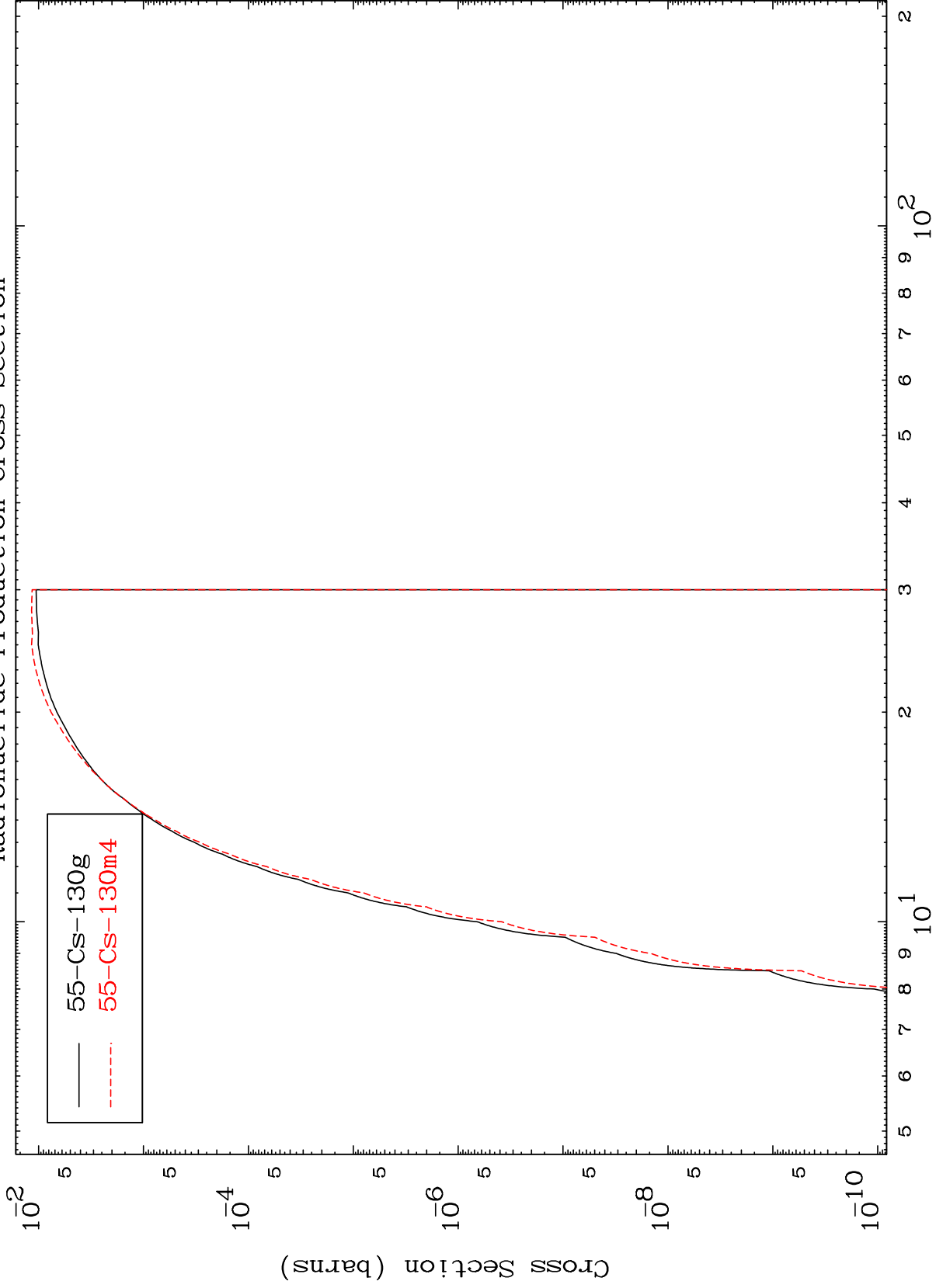
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,d)  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

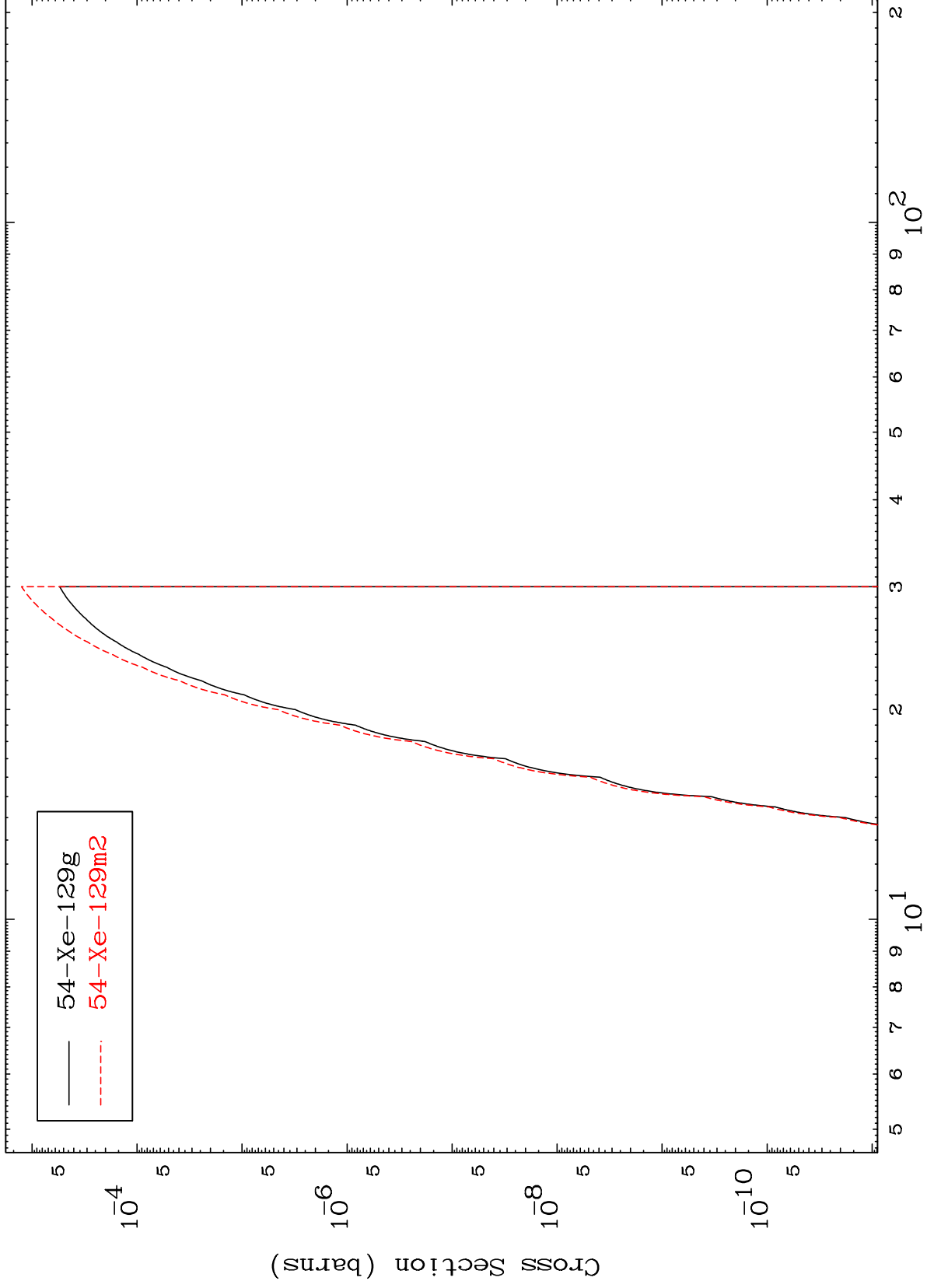
56-Ba-131

MAT 5628

(n,He-3)

56-Ba-131

Radionuclide Production Cross Section



131

Incident Energy (MeV)

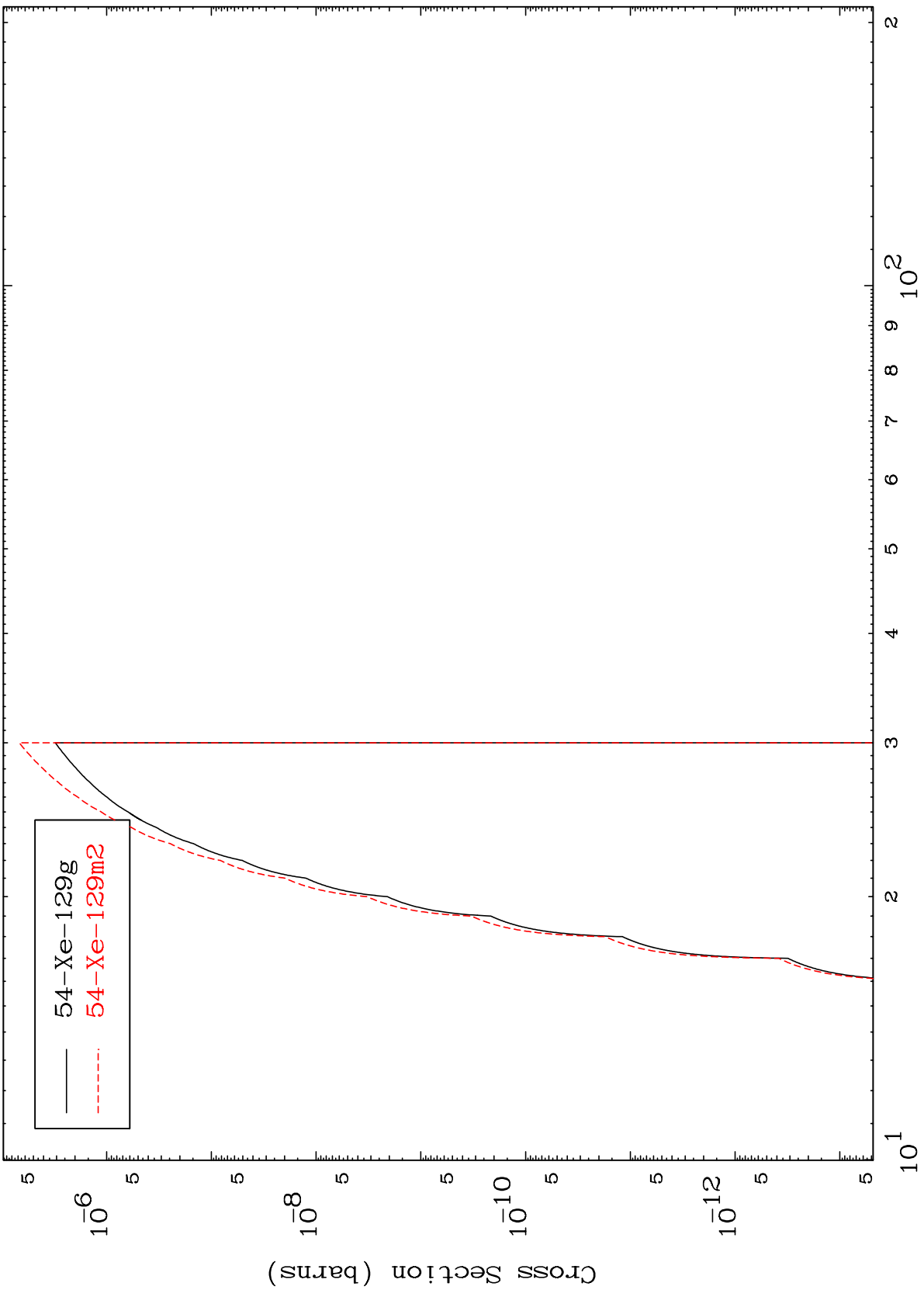
56-Ba-131

MAT 5628

(n,p) d

56-Ba-131

Radionuclide Production Cross Section



132

Incident Energy (MeV)

56-Ba-131