

Program EVALPLOT  
(Version 2015-2)

by

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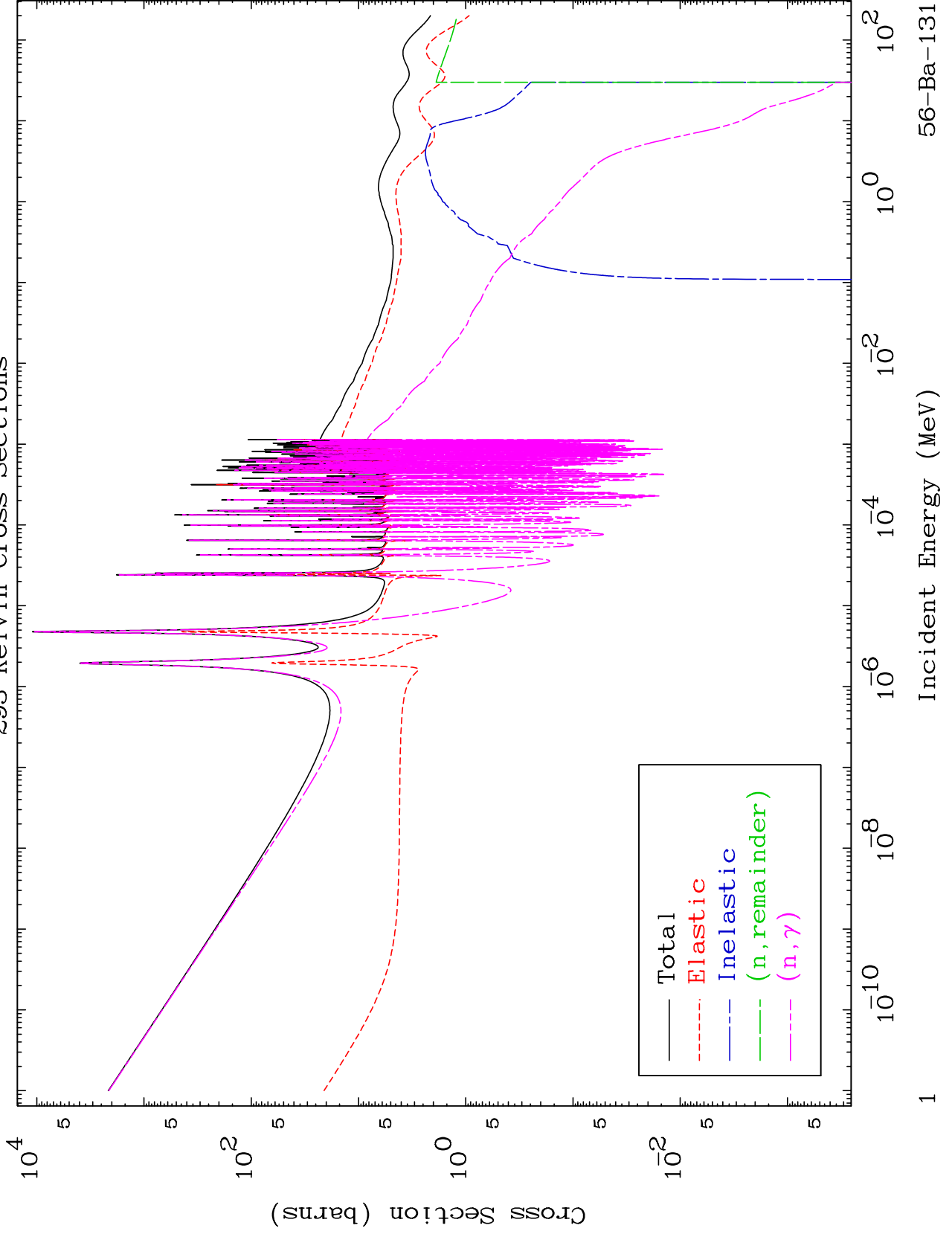
Press Mouse Button to Start

MAT 5628

Major

293 Kelvin Cross Sections

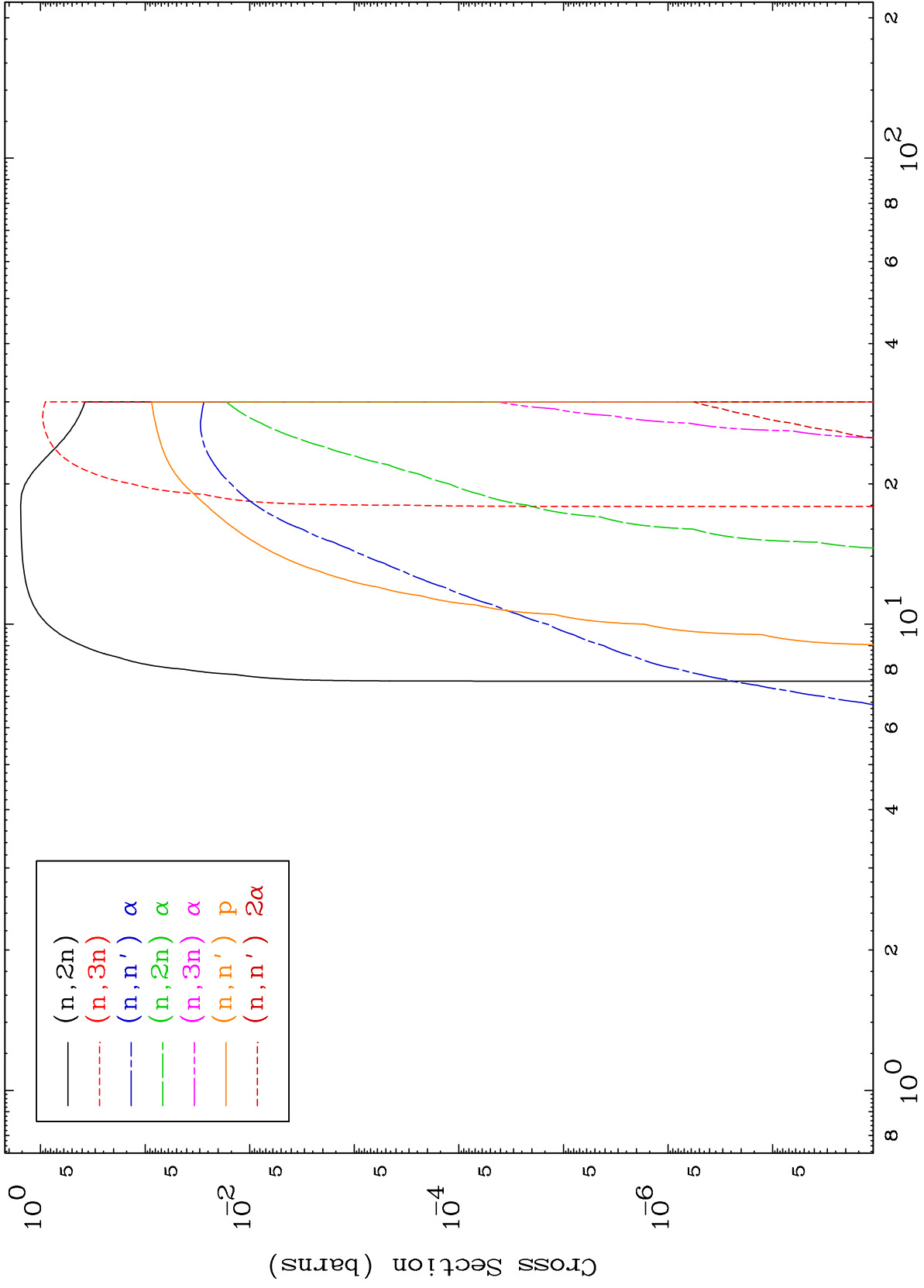
56-Ba-131



MAT 5628

Neutron Production  
293 Kelvin Cross Sections

56-Ba-131



2

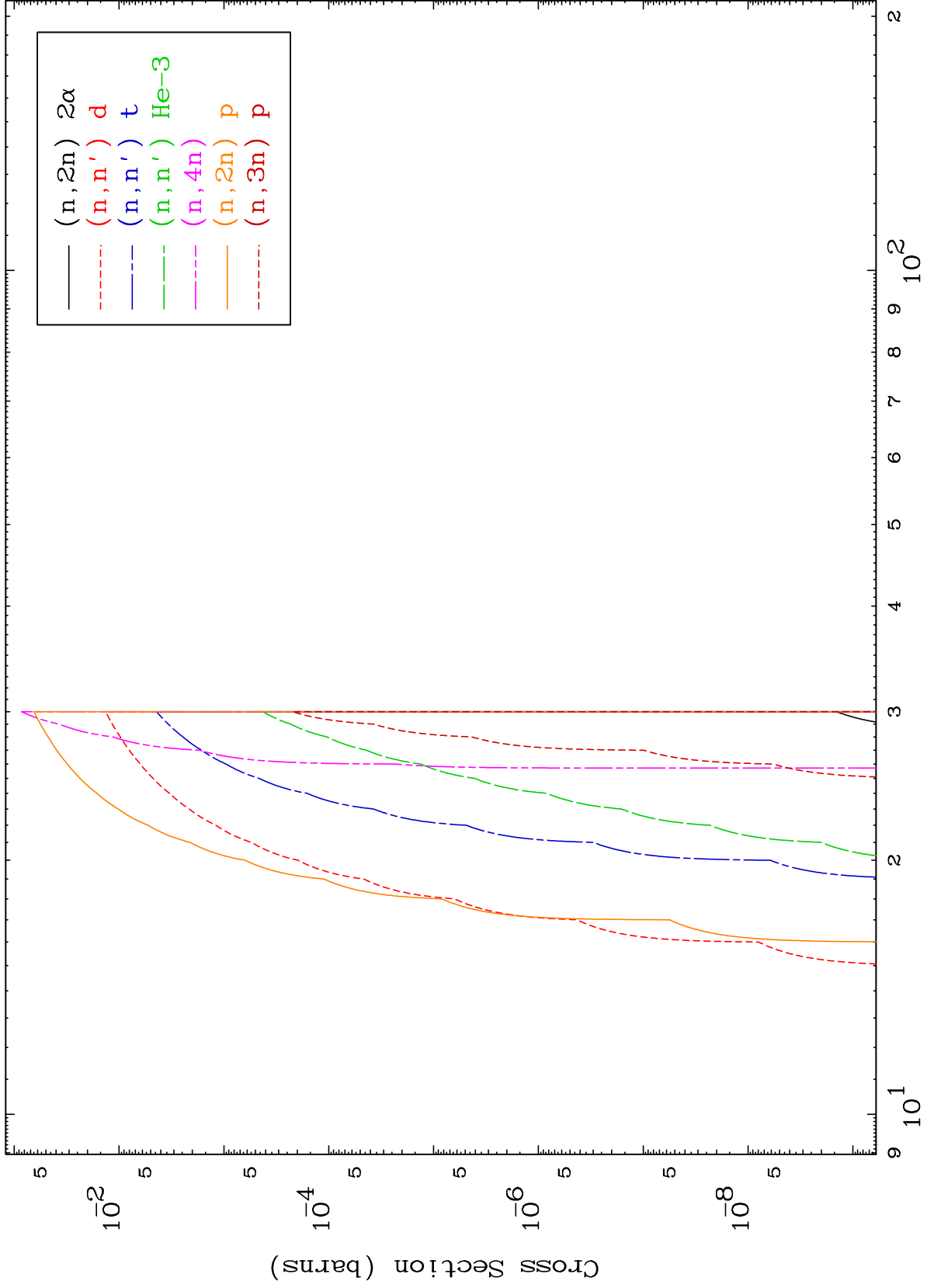
Incident Energy (MeV)

56-Ba-131

MAT 5628

Neutron Production  
293 Kelvin Cross Sections

56-Ba-131



3

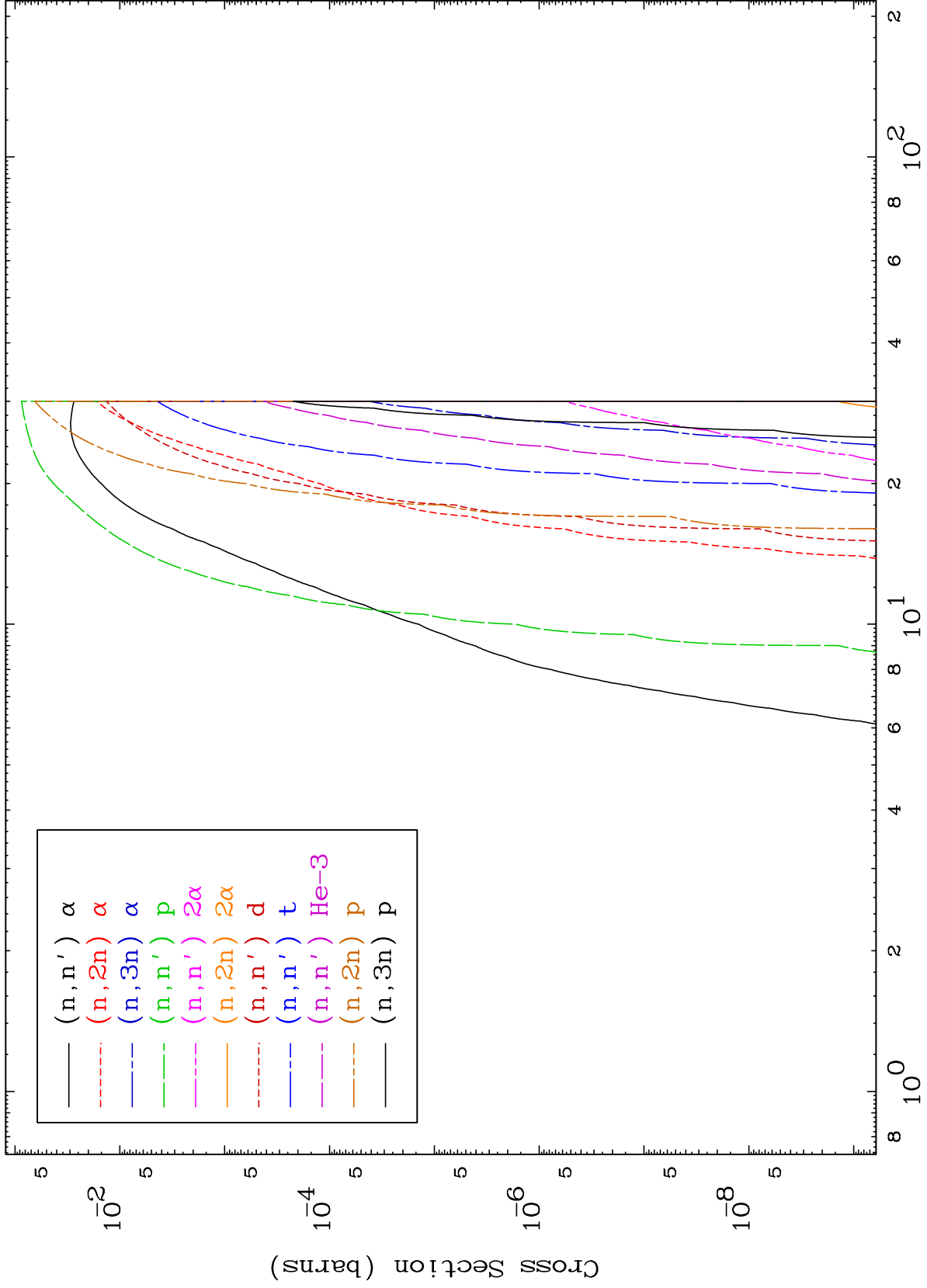
Incident Energy (MeV)

56-Ba-131

MAT 5628

Charged Particle  
293 Kelvin Cross Sections

56-Ba-131



56-Ba-131

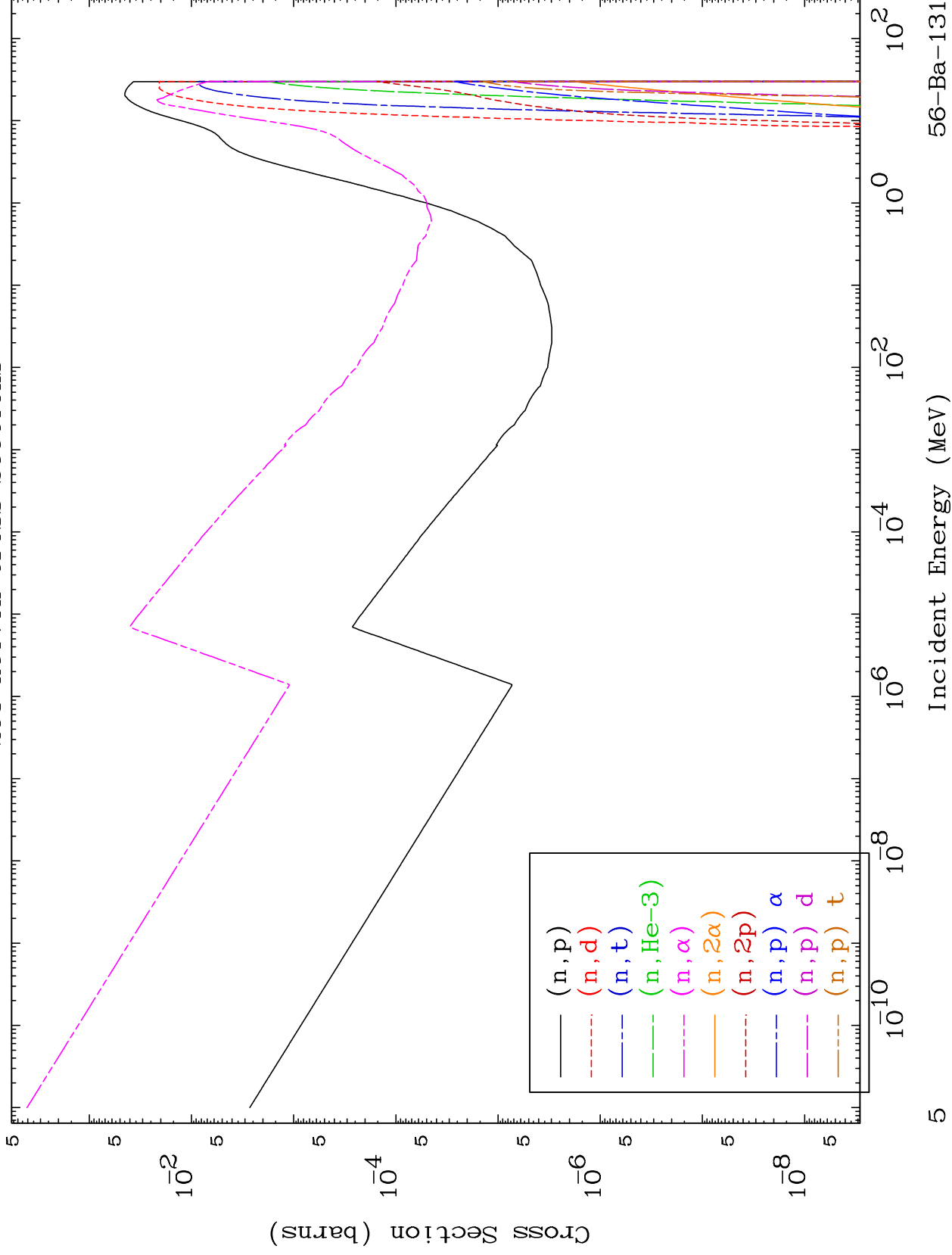
Incident Energy (MeV)

4

MAT 5628

Charged Particle  
293 Kelvin Cross Sections

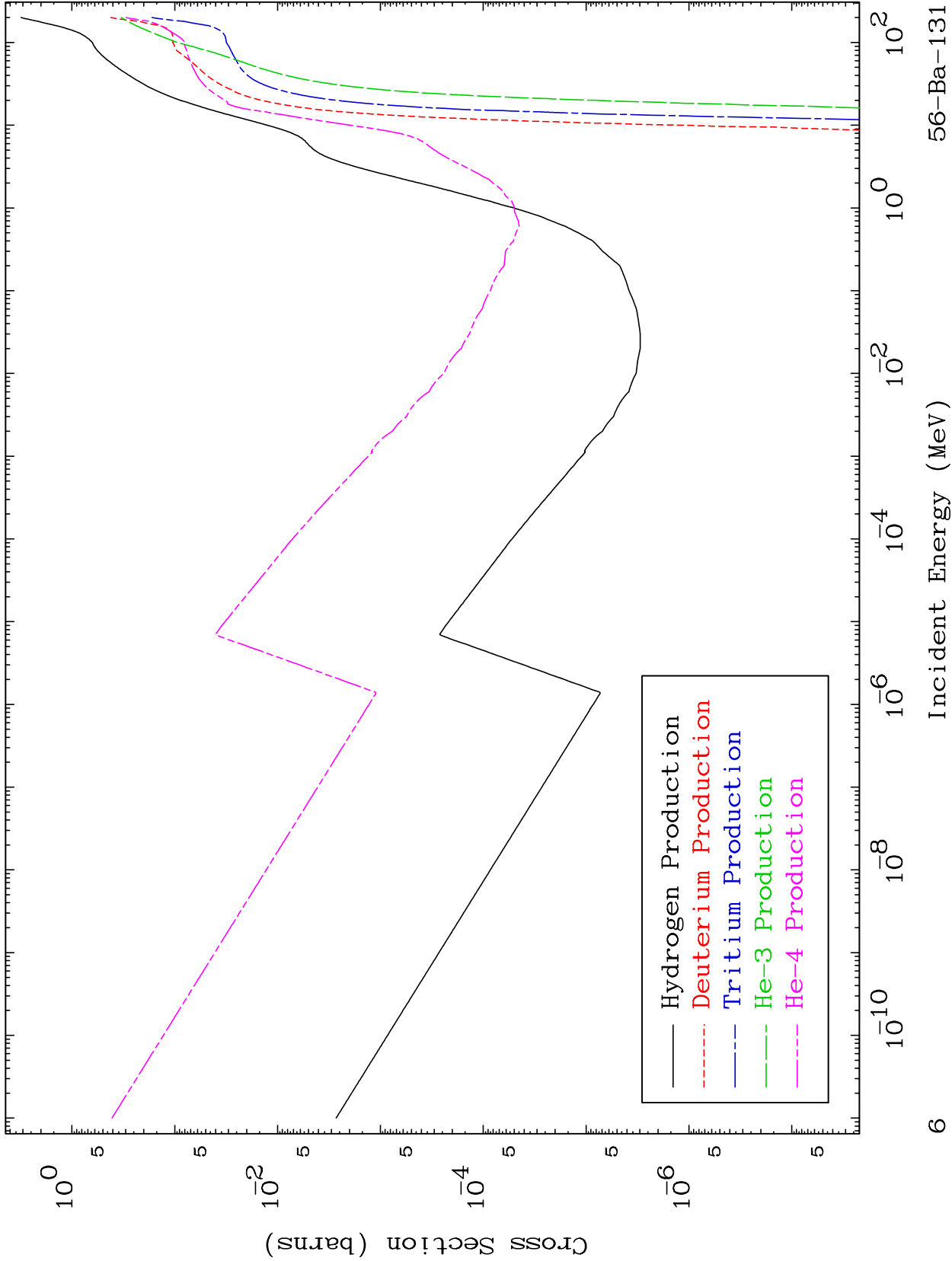
56-Ba-131



MAT 5628

Particle Production  
293 Kelvin Cross Sections

56-Ba-131

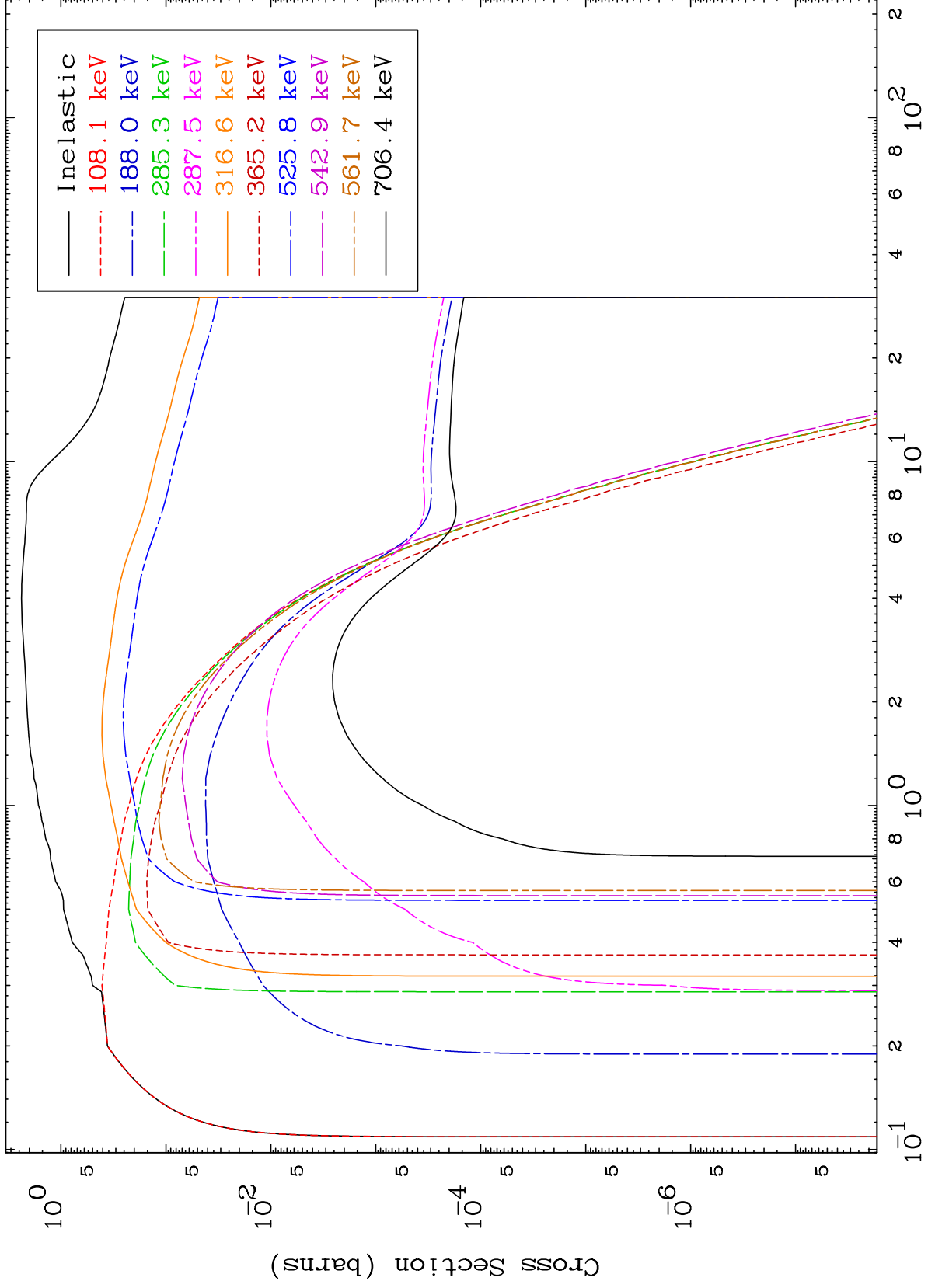


MAT 5628

(n,n') Level

56-Ba-131

293 Kelvin Cross Sections



56-Ba-131

56-Ba-131

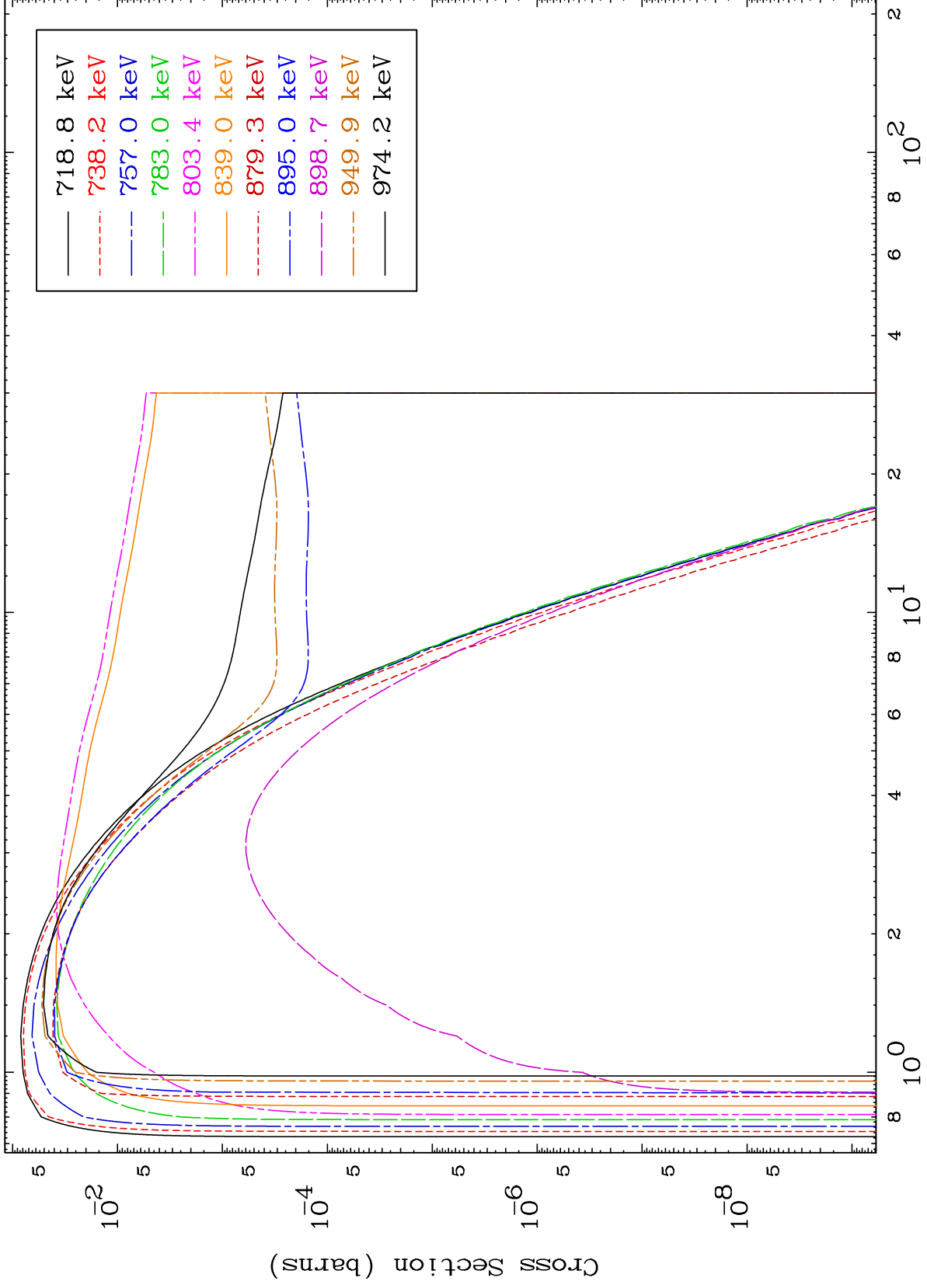
7



MAT 5628

(n,n') Level  
293 Kelvin Cross Sections

56-Ba-131



8

Incident Energy (MeV)

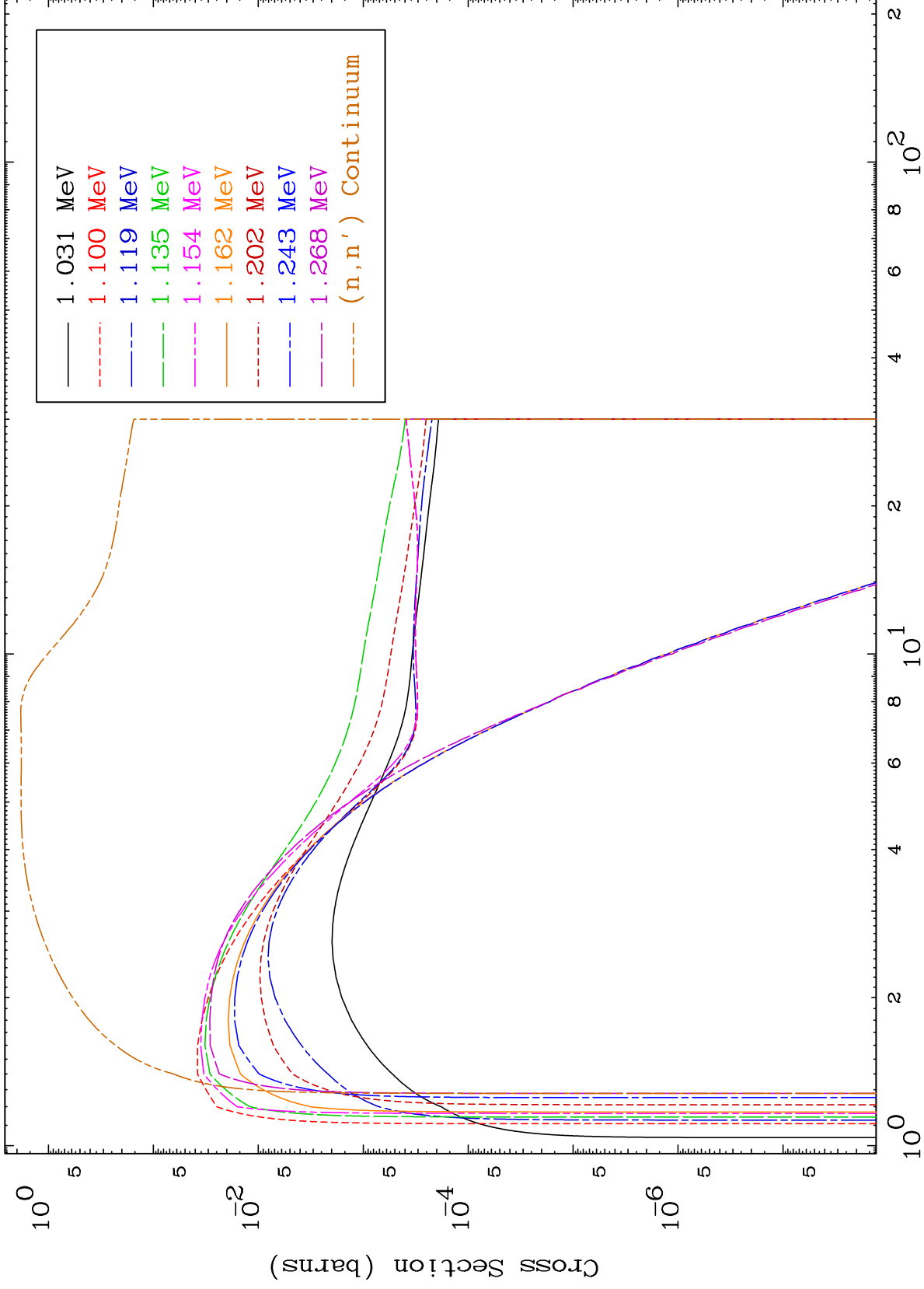
56-Ba-131

MAT 5628

(n,n') Level

56-Ba-131

293 Kelvin Cross Sections



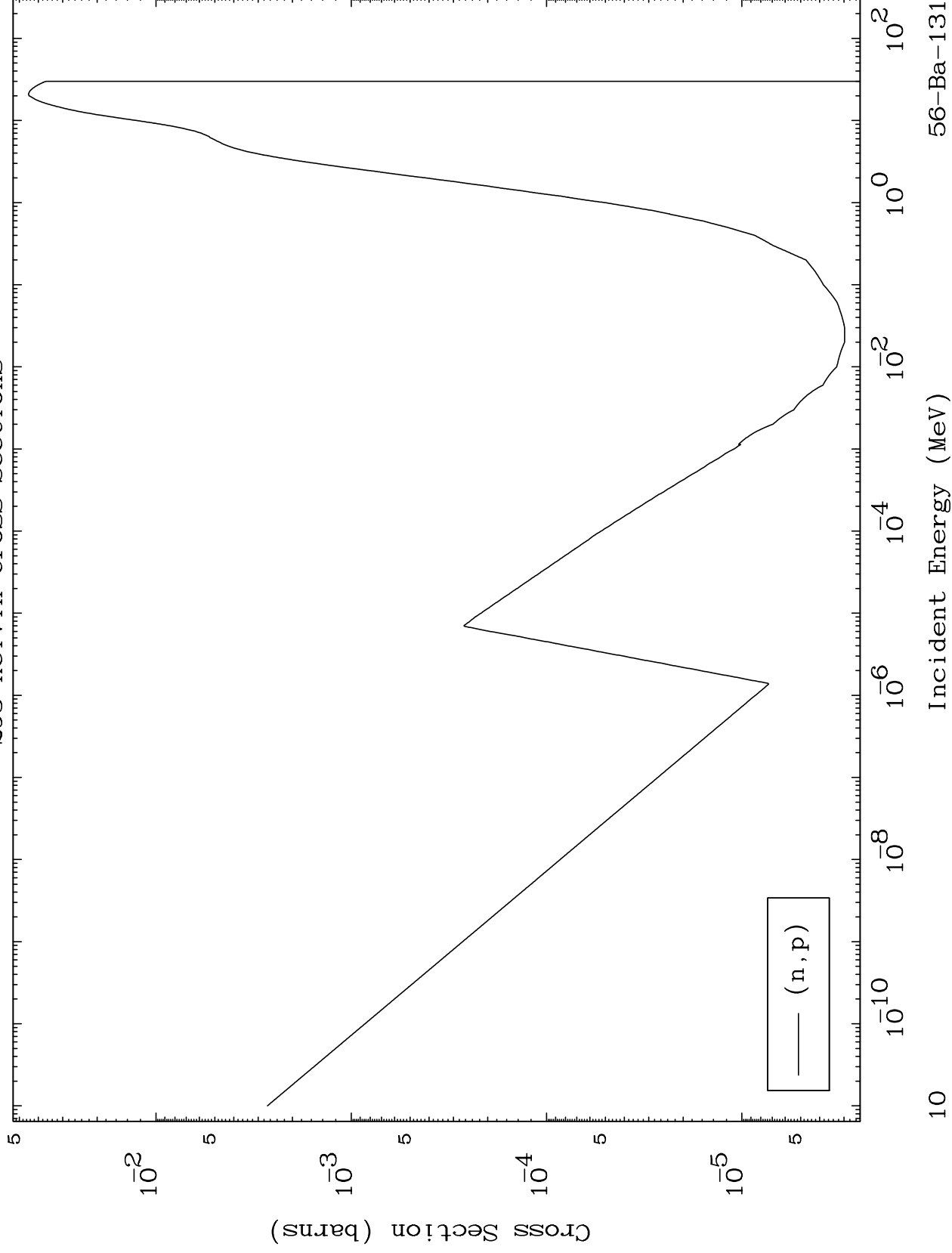
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-131



56-Ba-131

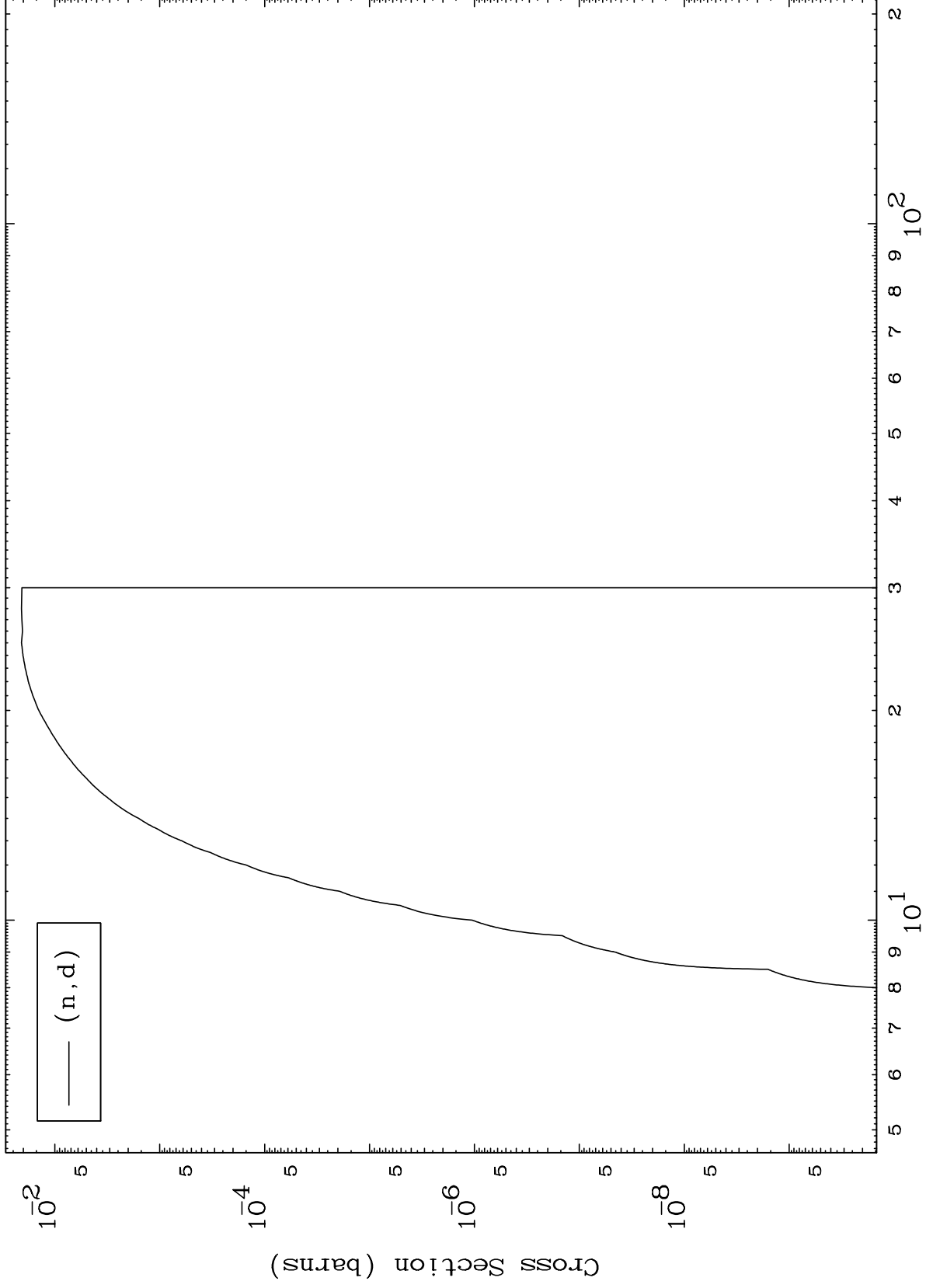
Incident Energy (MeV)

10

MAT 5628

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-131



11

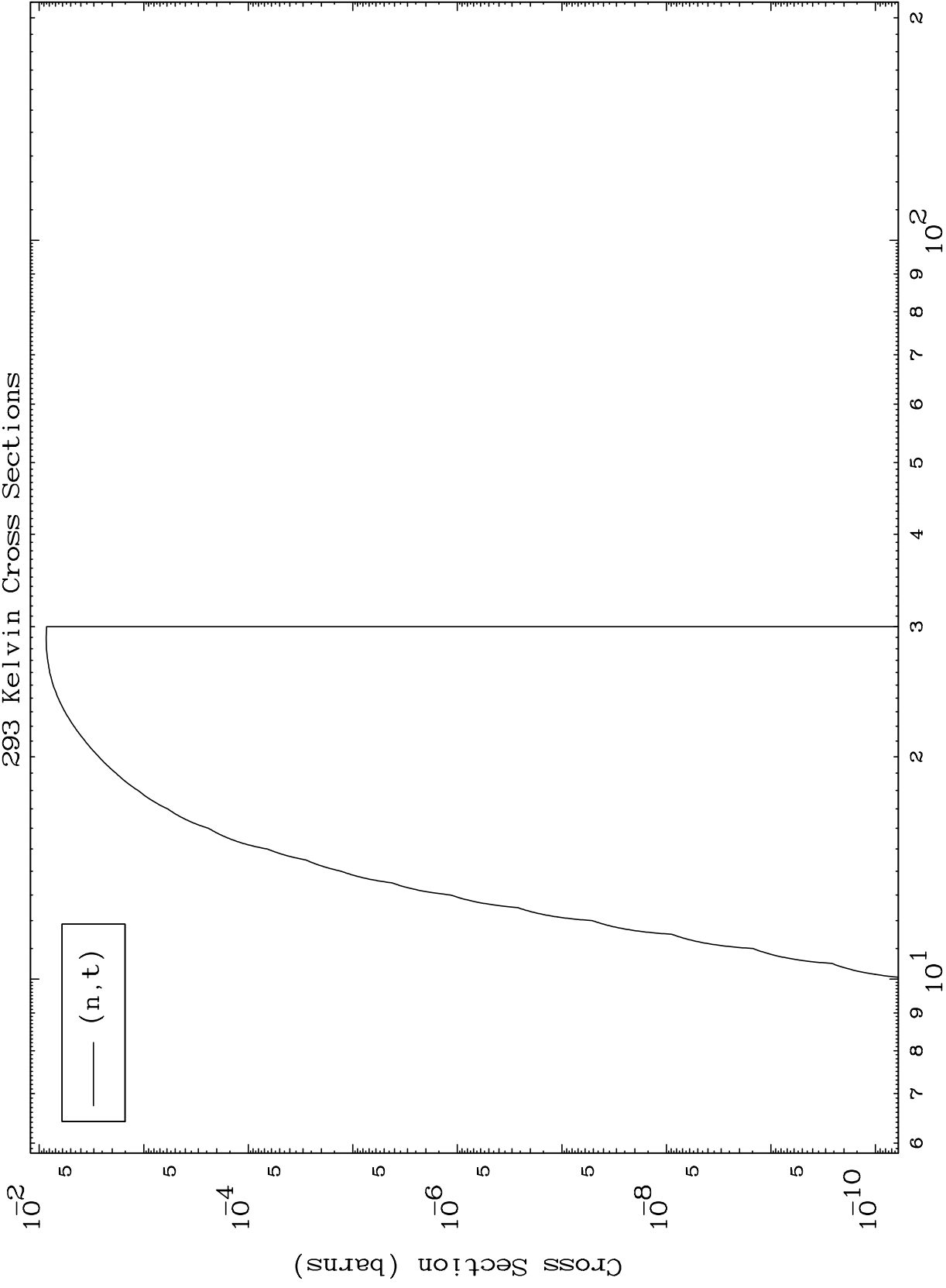
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-131



12

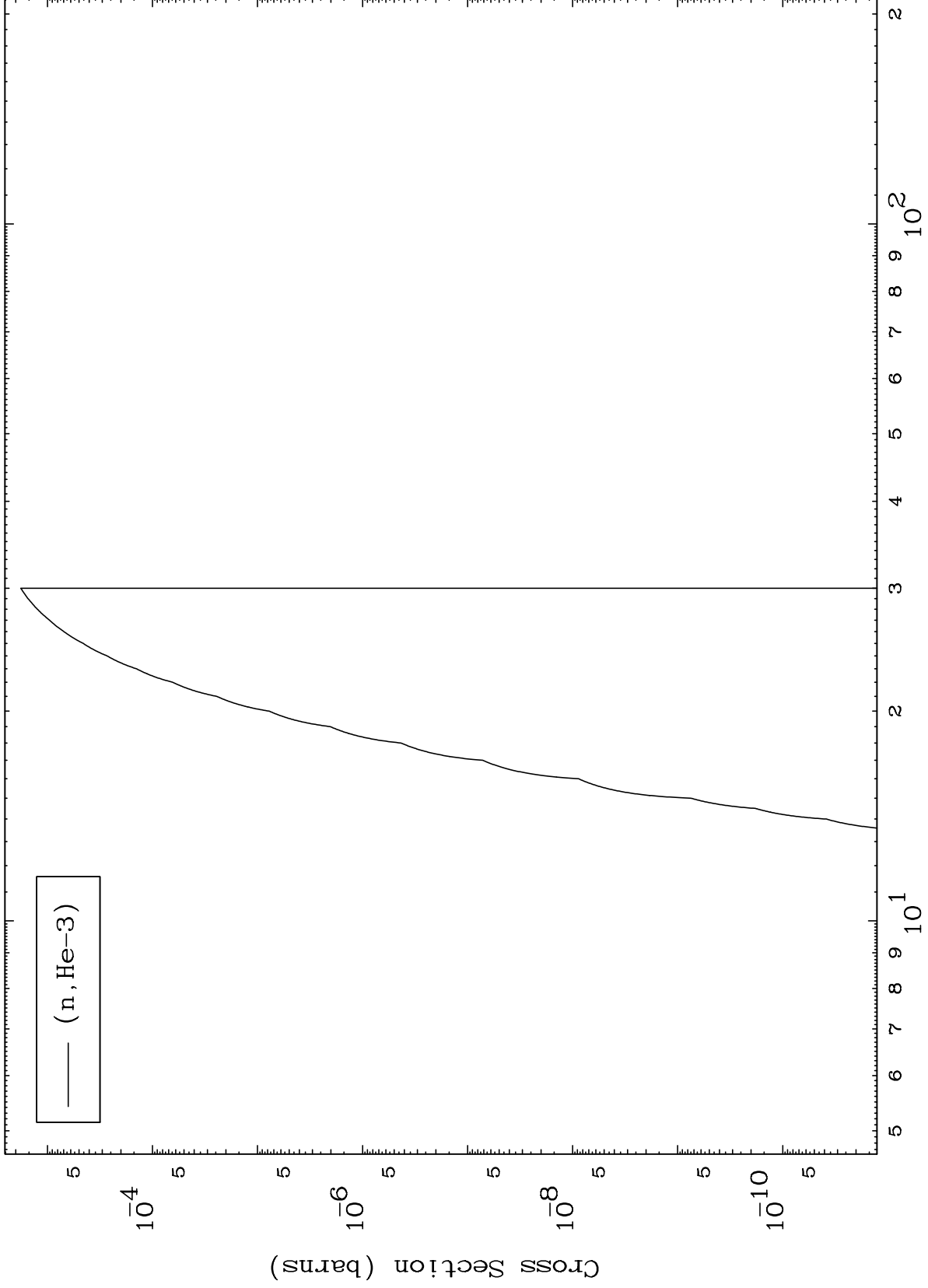
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-131



13

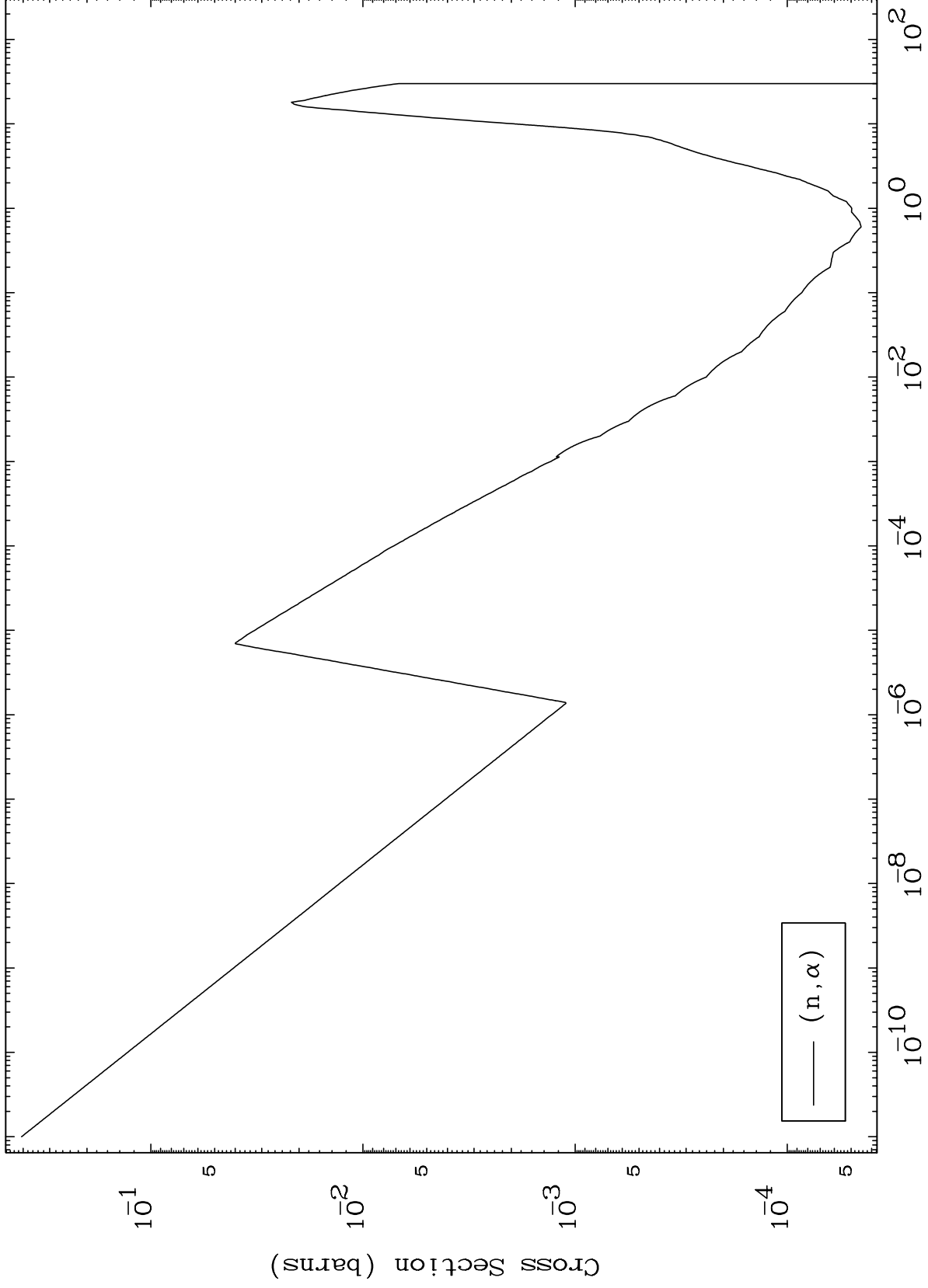
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

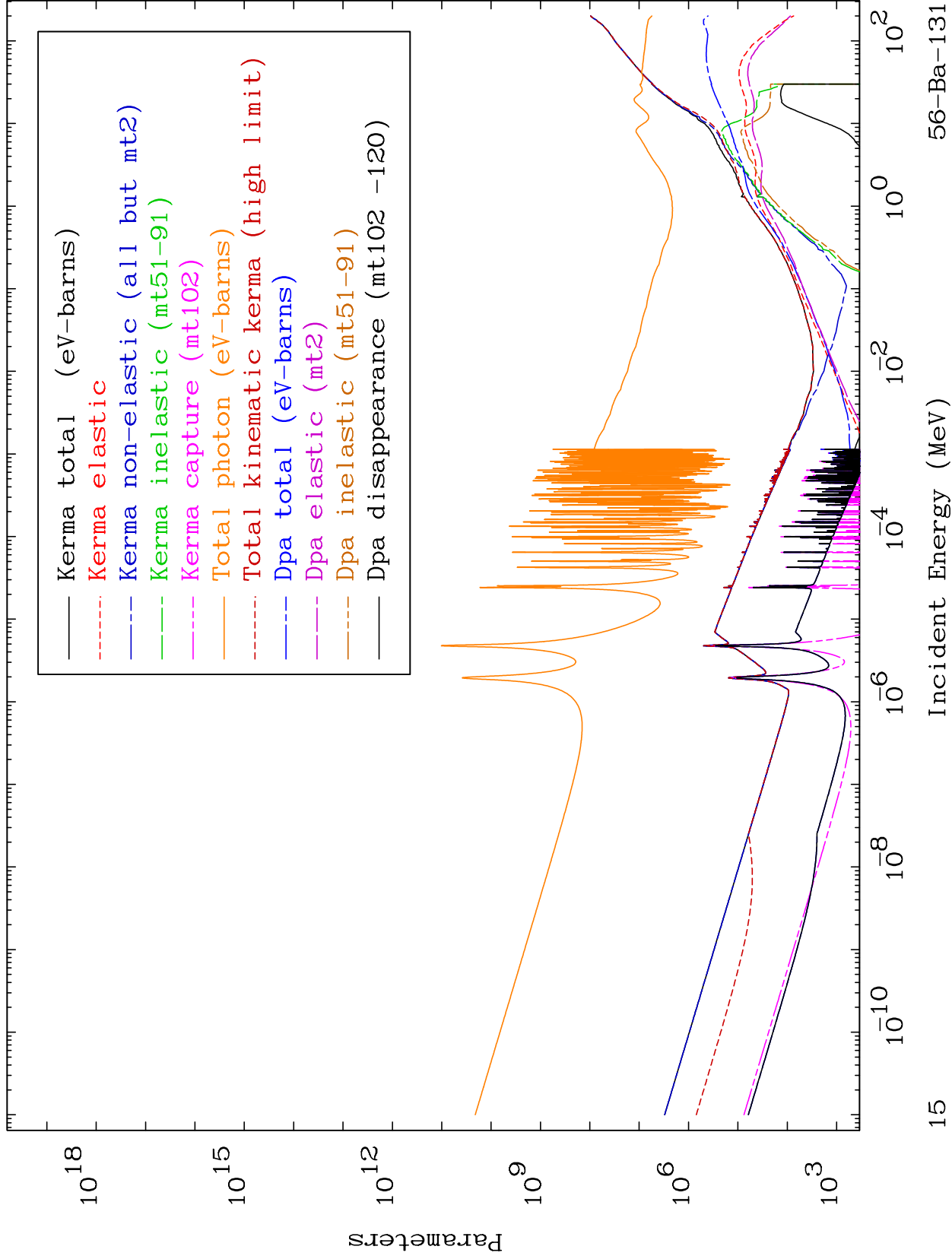
56-Ba-131



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Incident Energy (MeV)

56-Ba-131

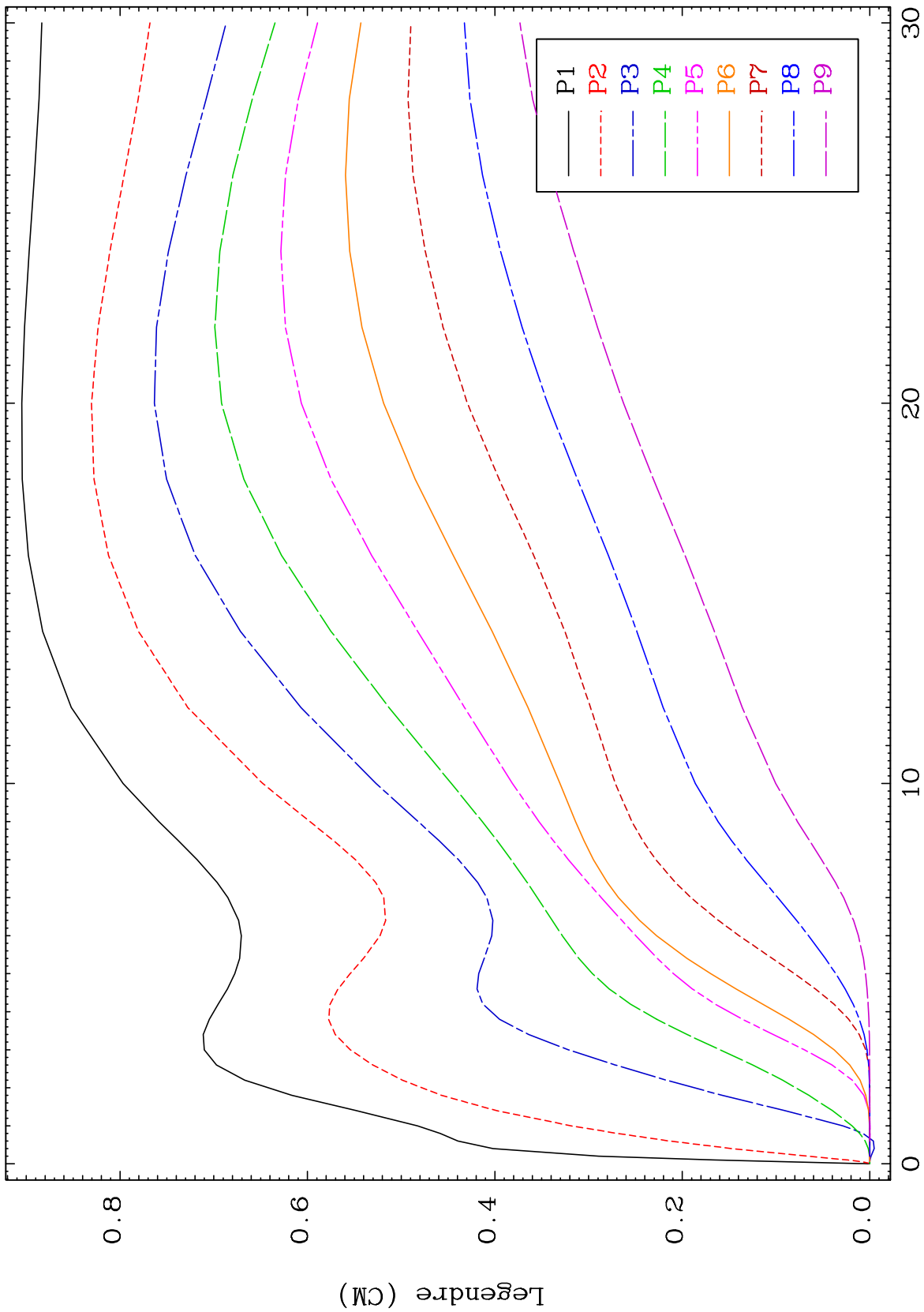




MAT 5628

Elastic Legendre Coefficients

56-Ba-131



16

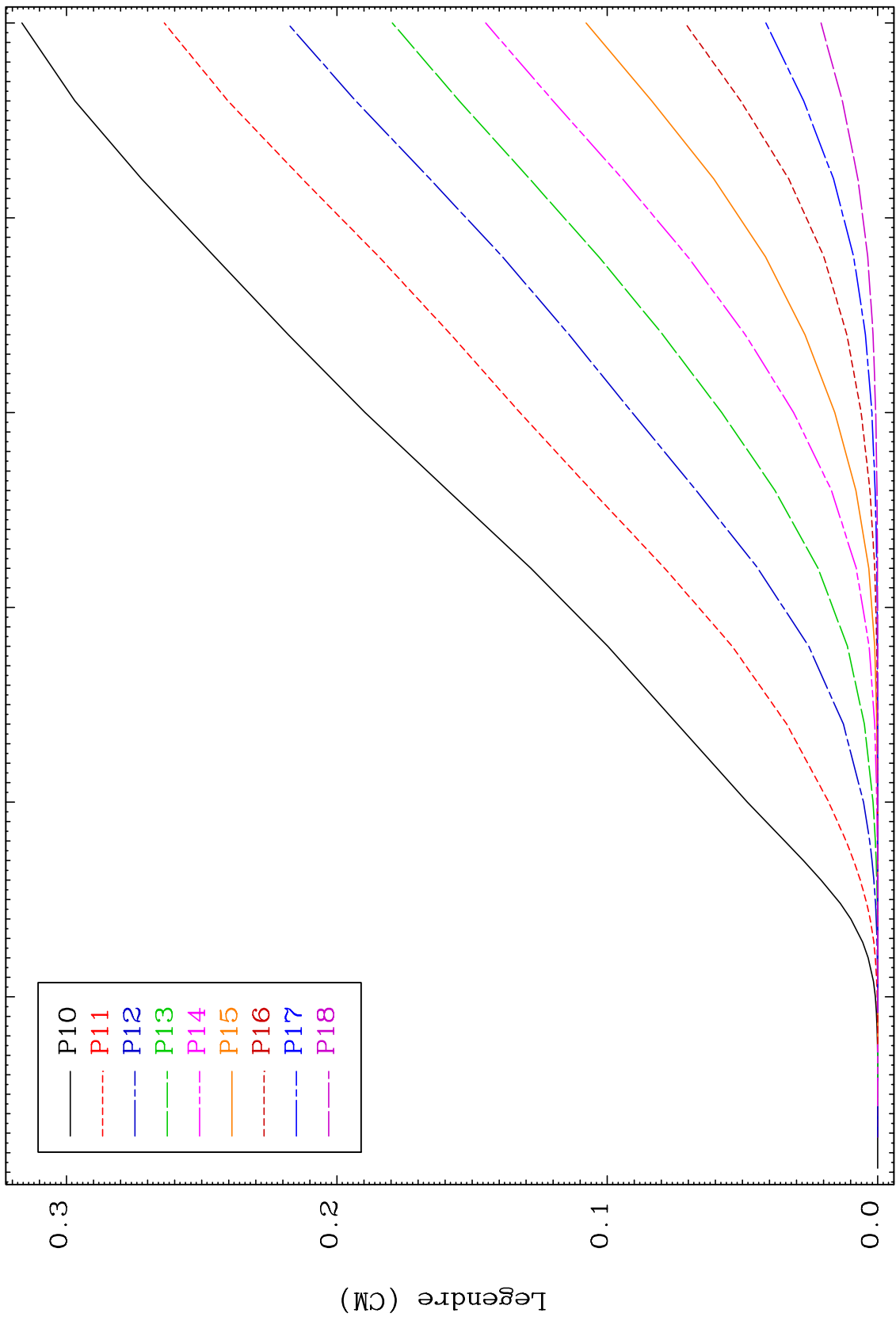
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



17

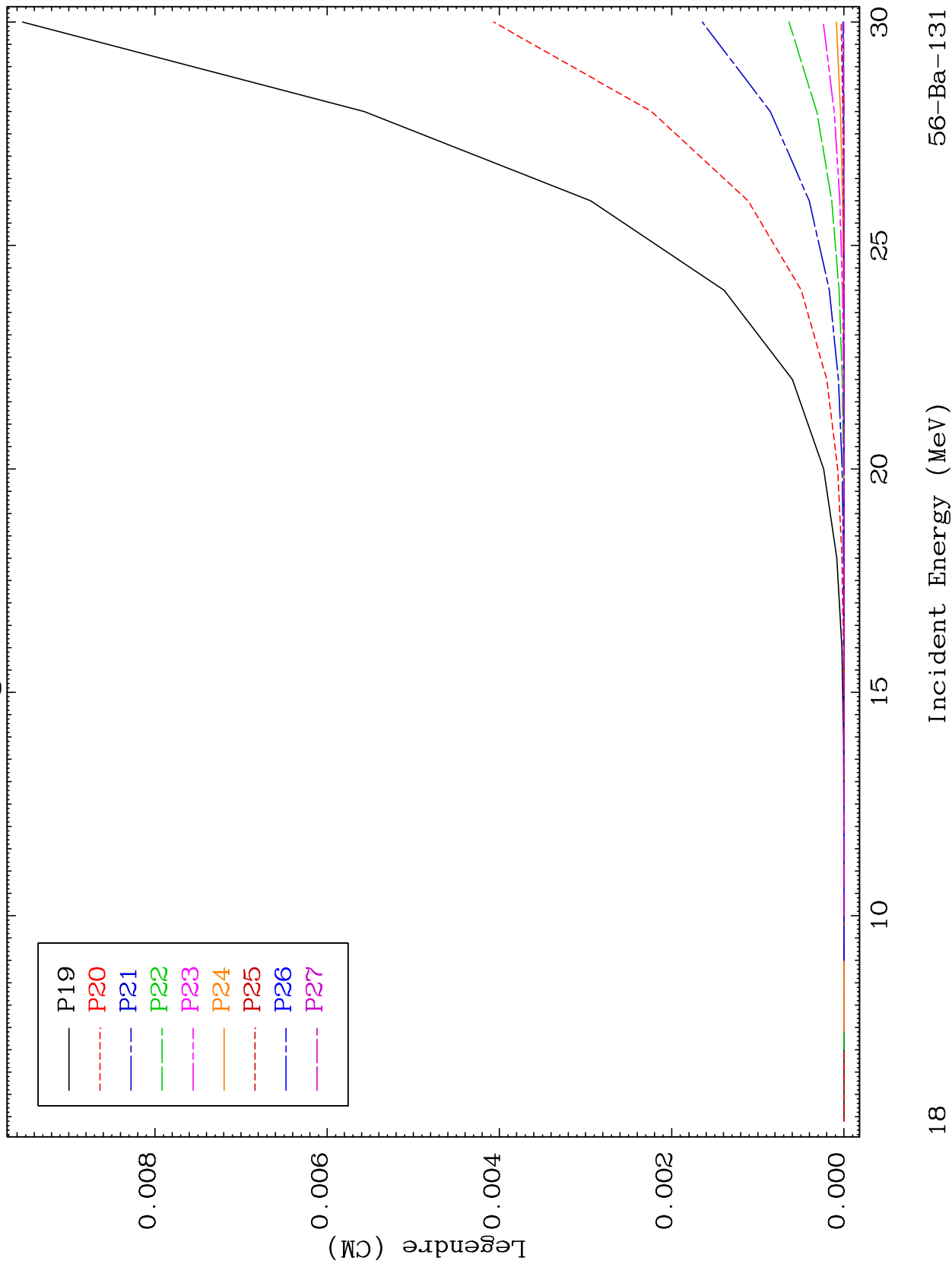
56-Ba-131

Incident Energy (MeV)

MAT 5628

### Elastic Legendre Coefficients

56-Ba-131



18

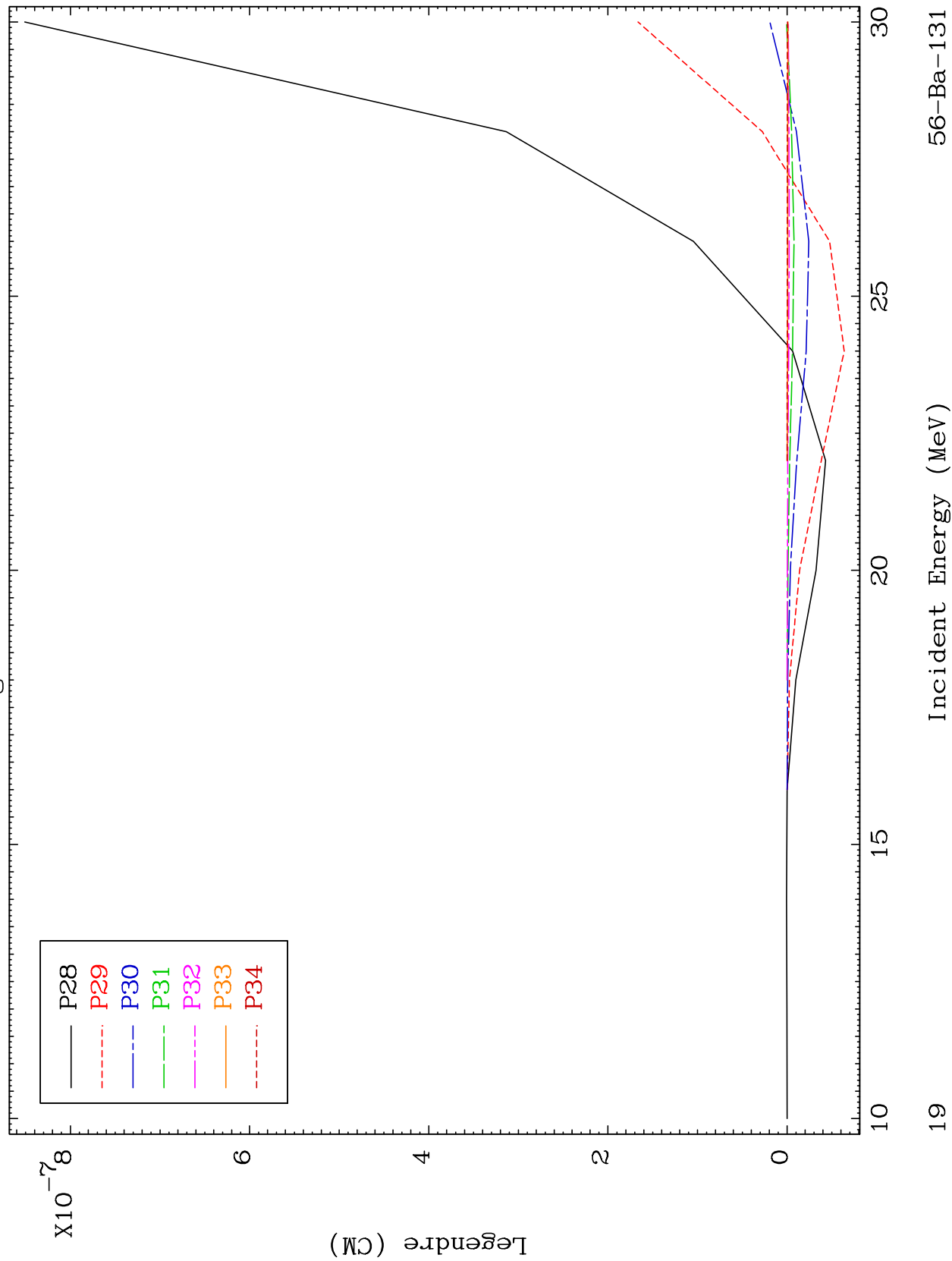
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

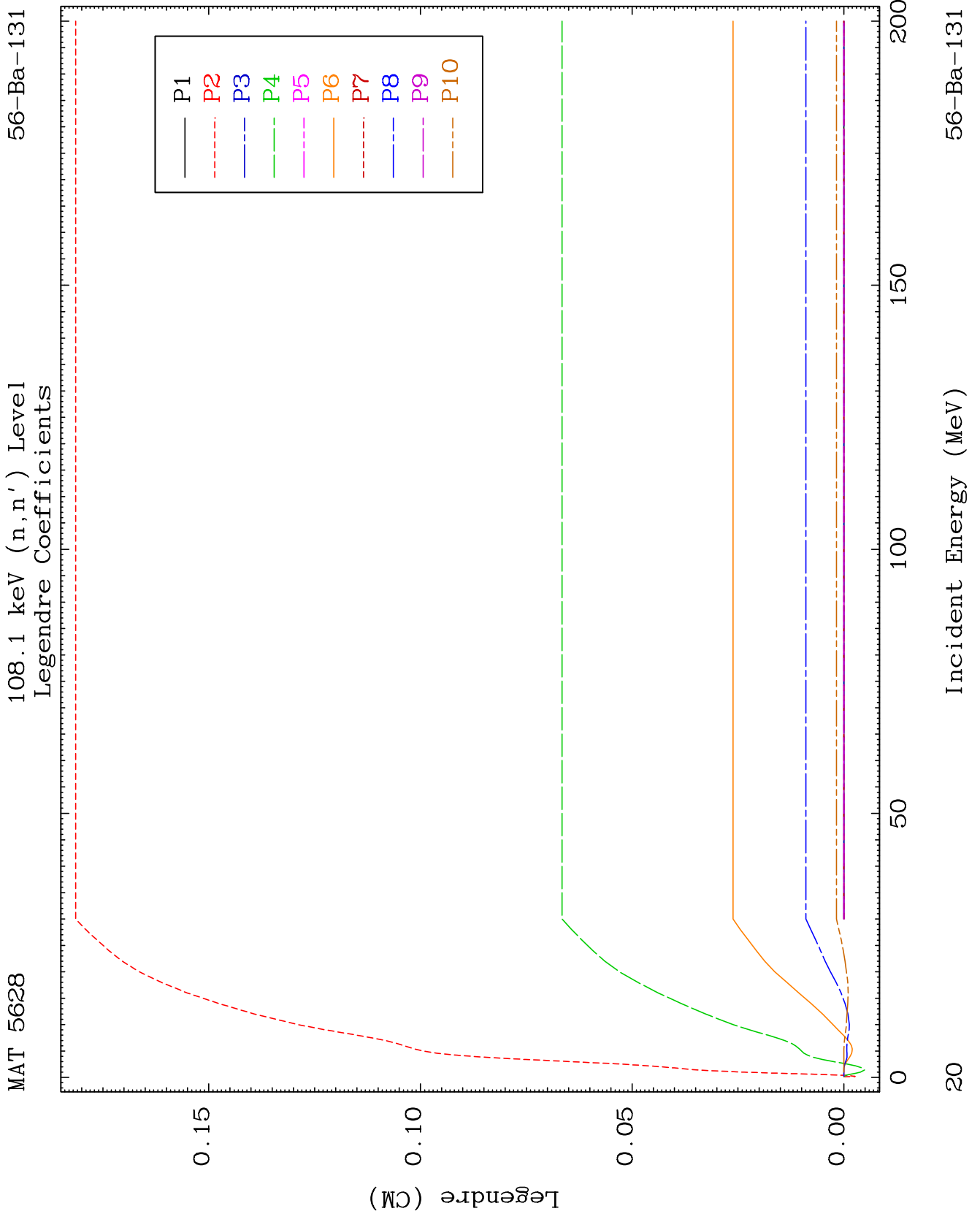
56-Ba-131



19

Incident Energy (MeV)

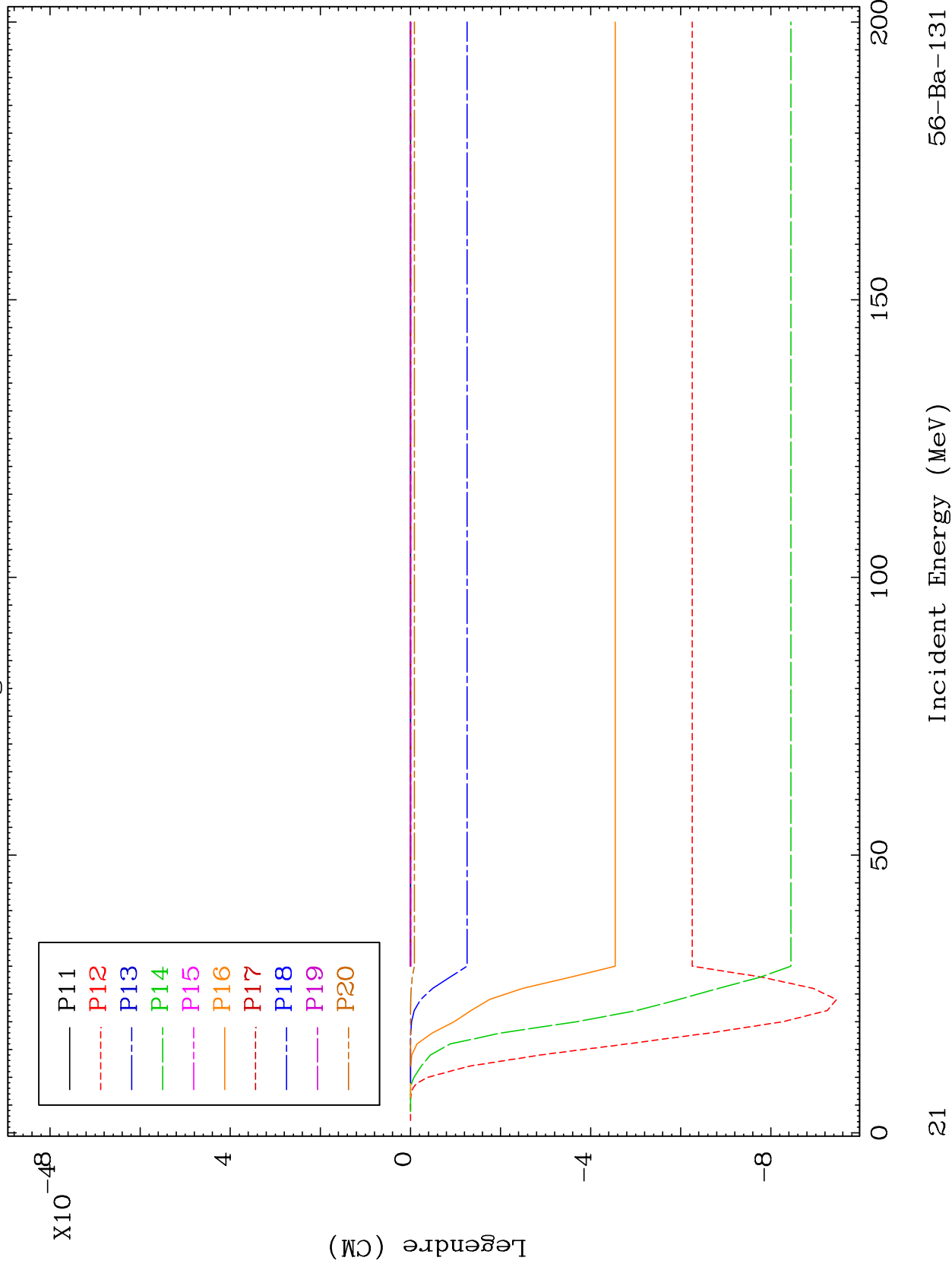
56-Ba-131

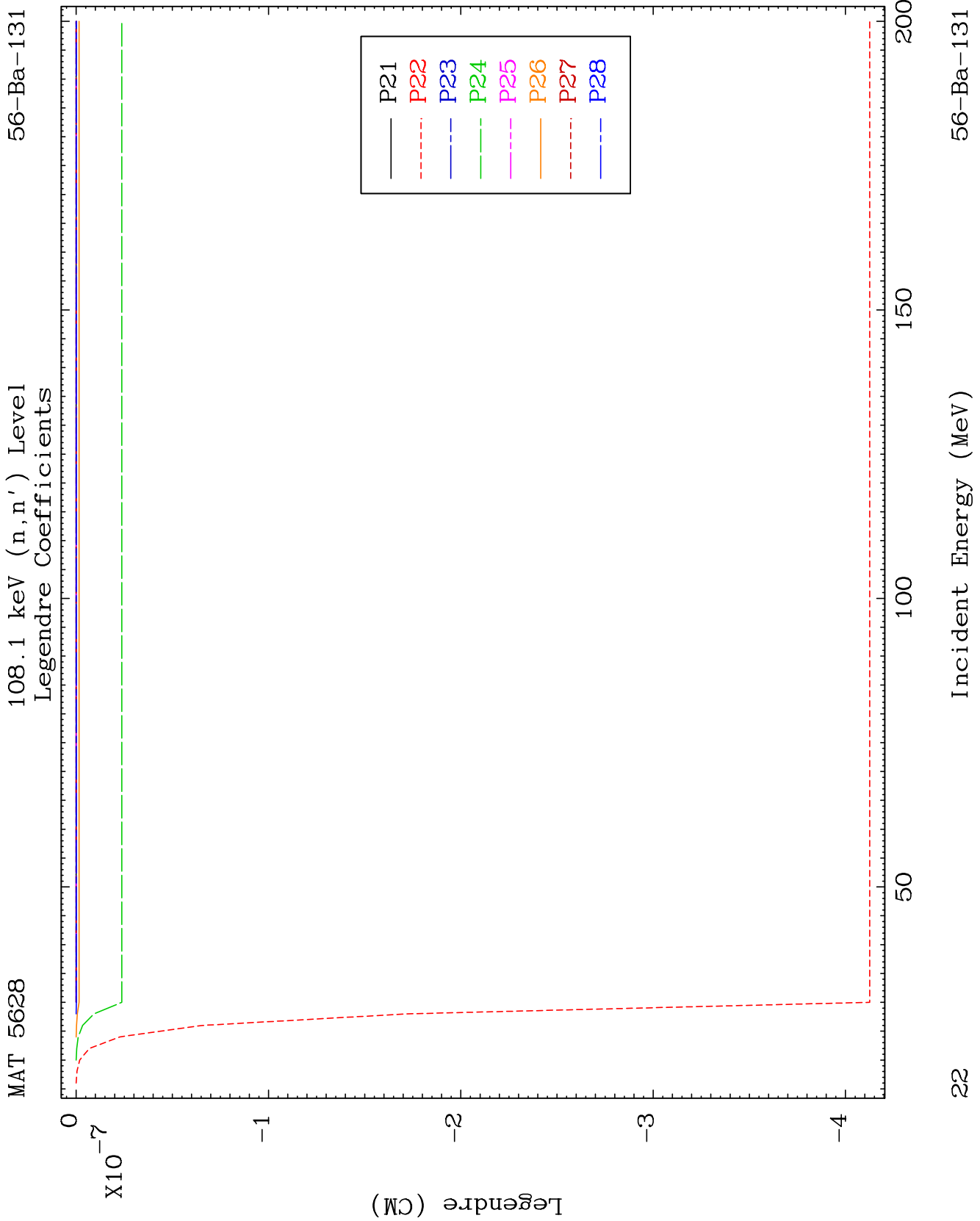


MAT 5628

108.1 keV (n,n') Level  
Legendre Coefficients

56-Ba-131







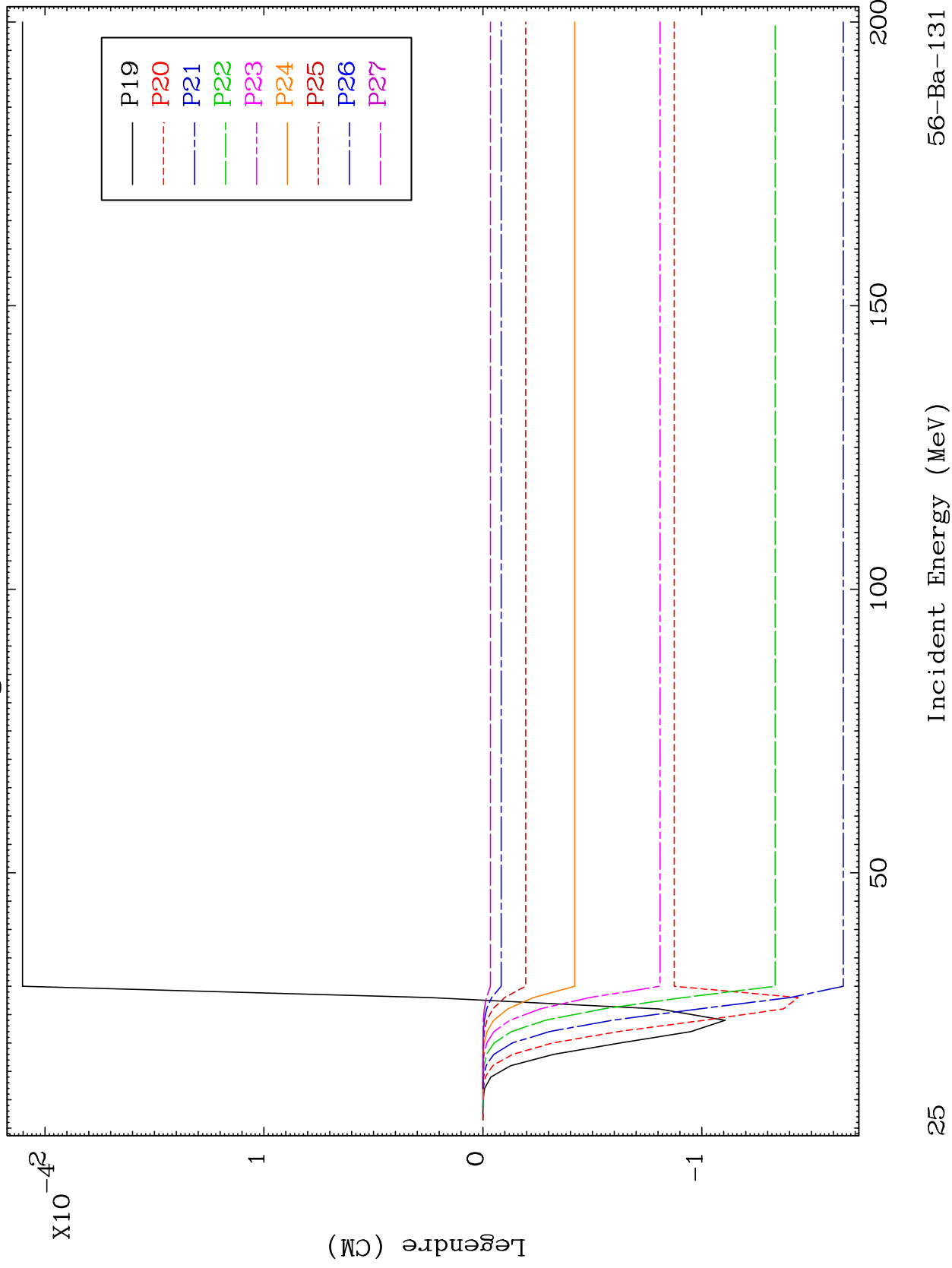




MAT 5628

188.0 keV (n,n') Level  
Legendre Coefficients

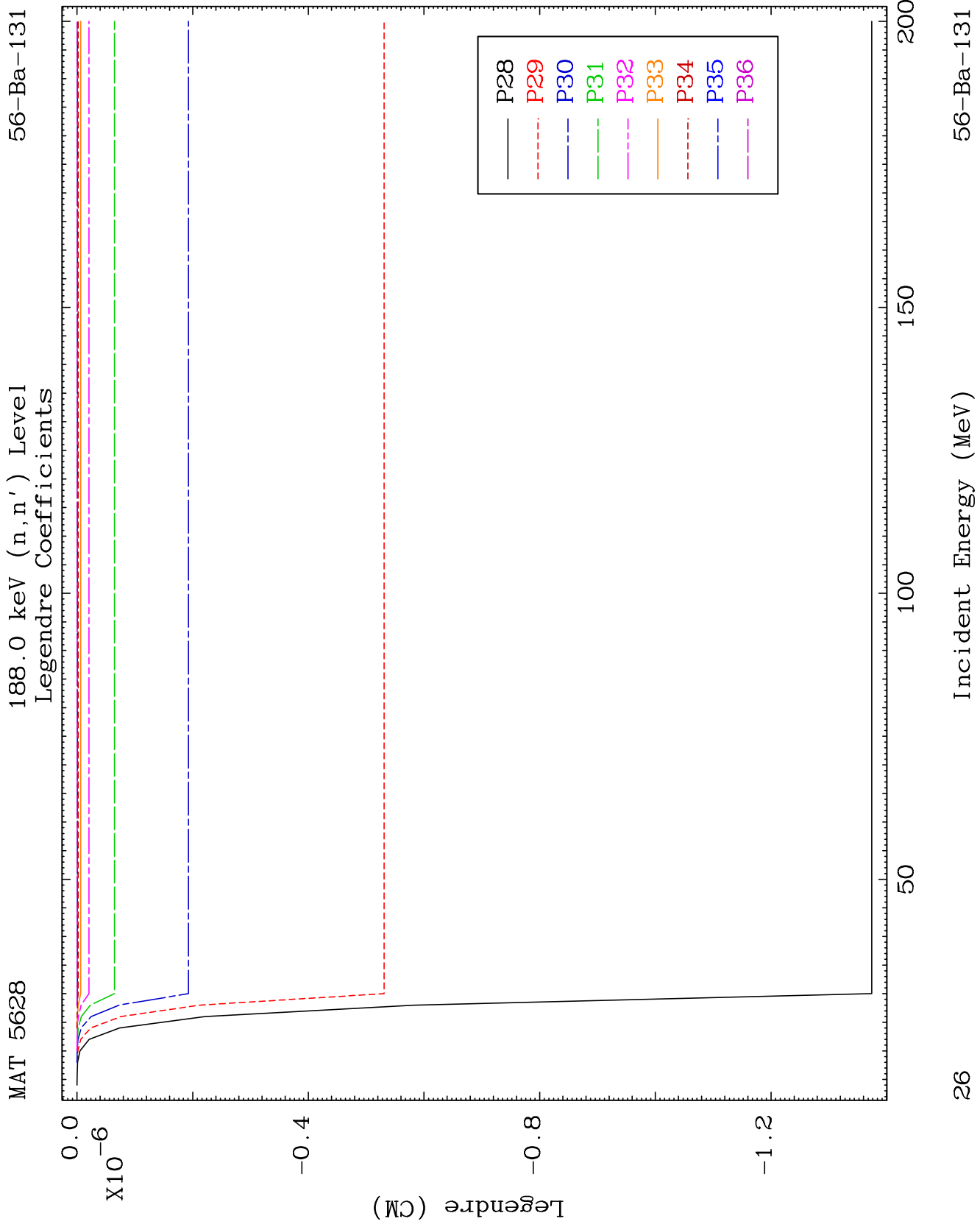
56-Ba-131



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Incident Energy (MeV)

56-Ba-131

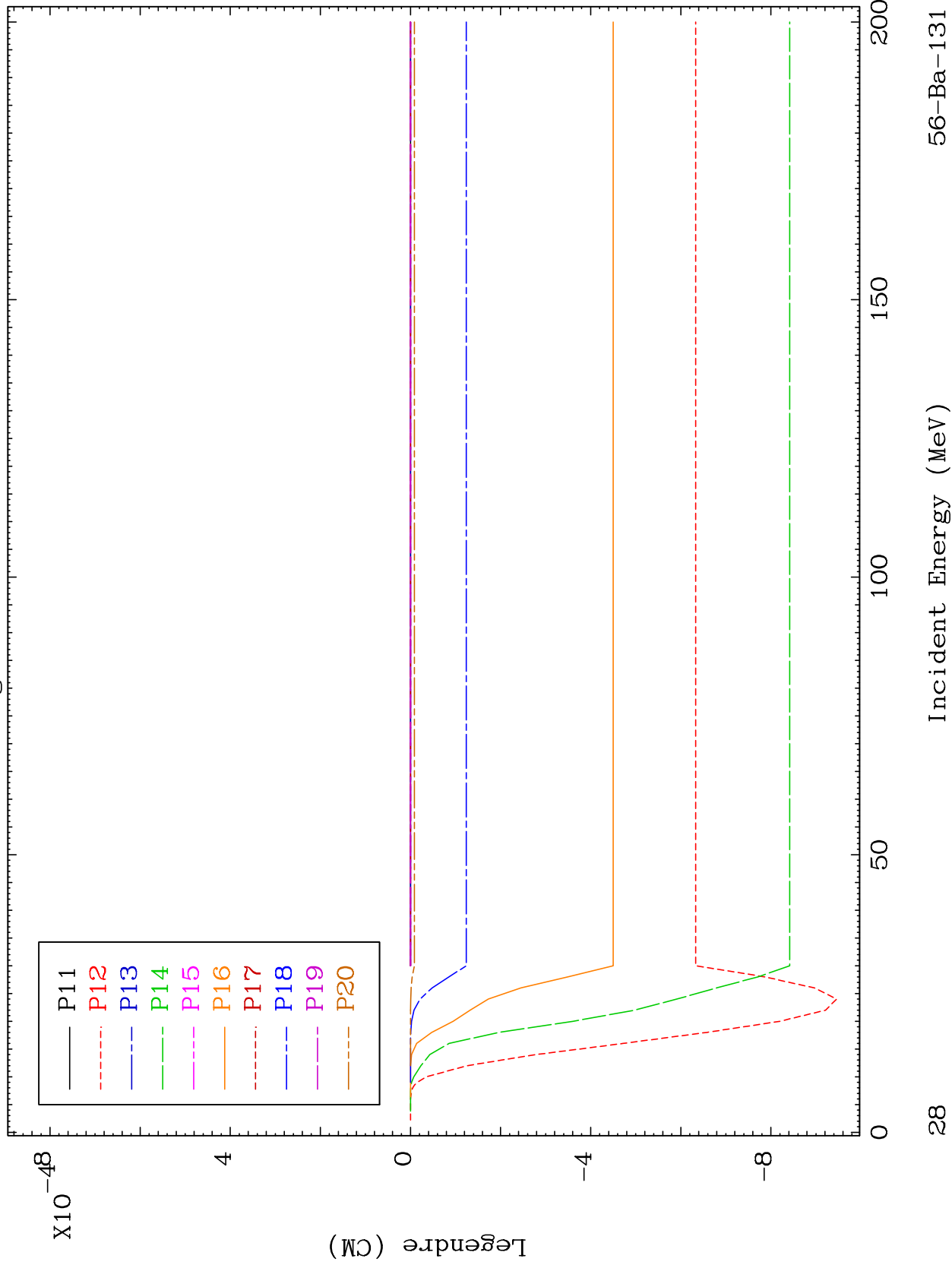


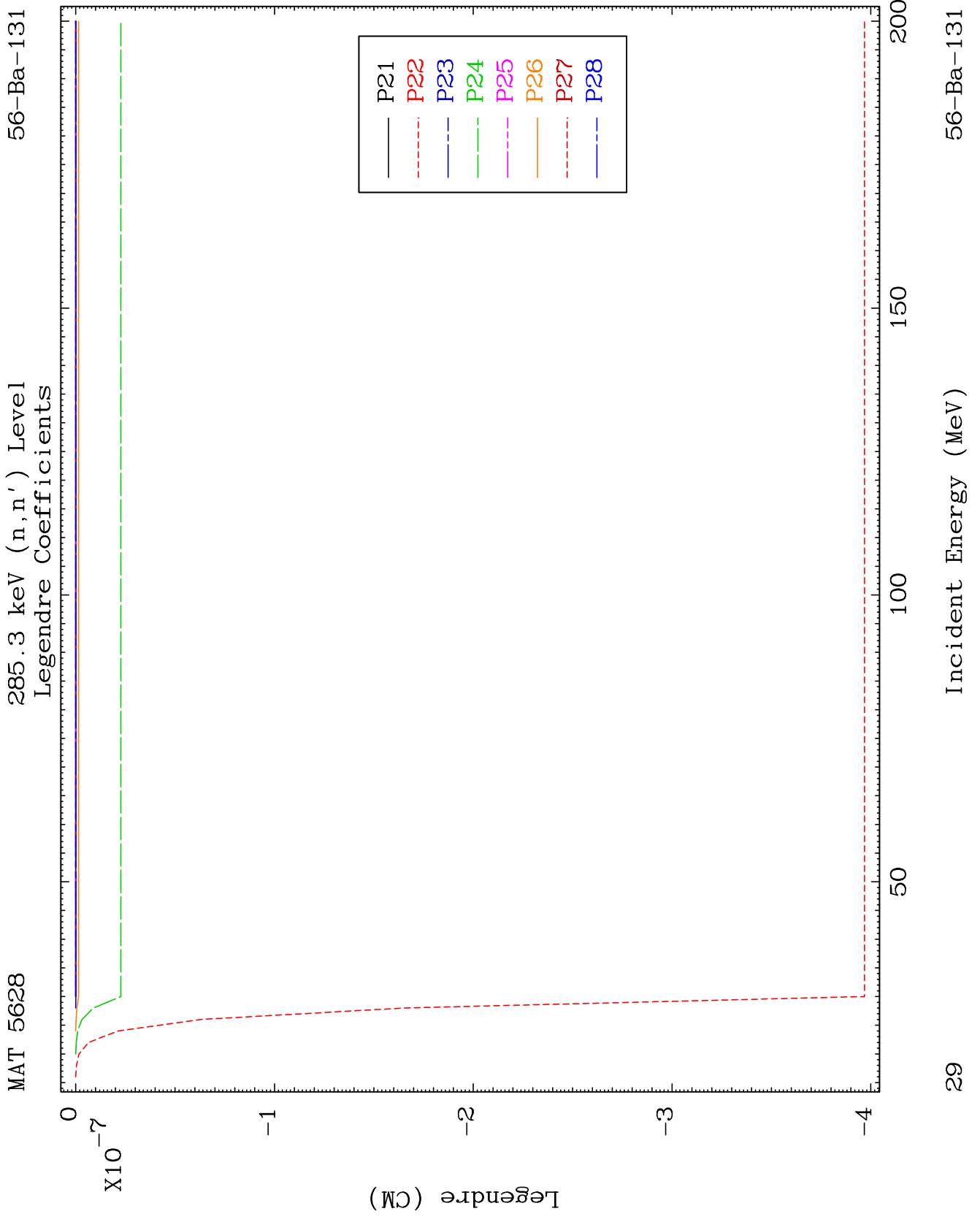


MAT 5628

285.3 keV (n,n') Level  
Legendre Coefficients

56-Ba-131







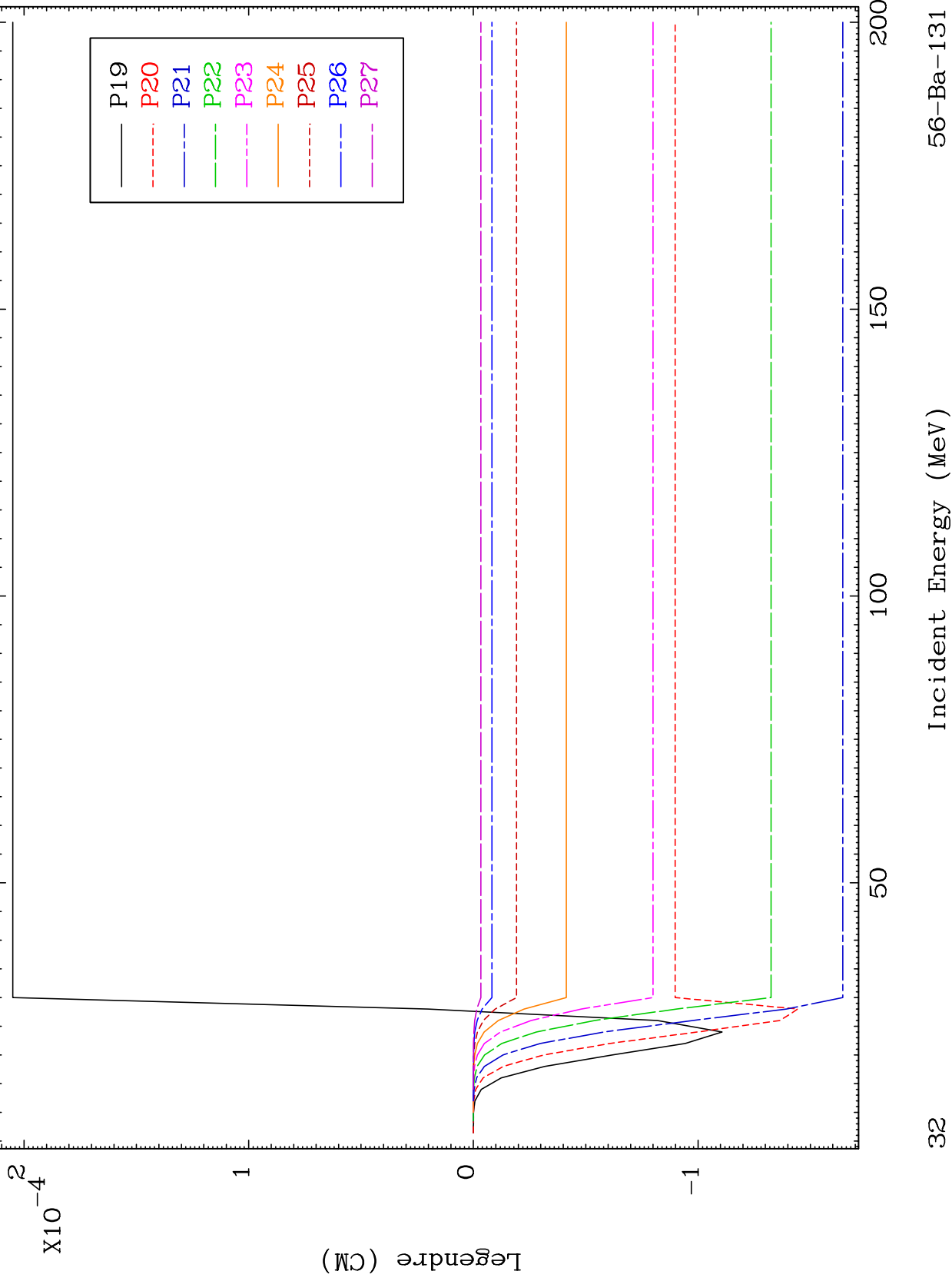




MAT 5628

287.5 keV (n,n') Level  
Legendre Coefficients

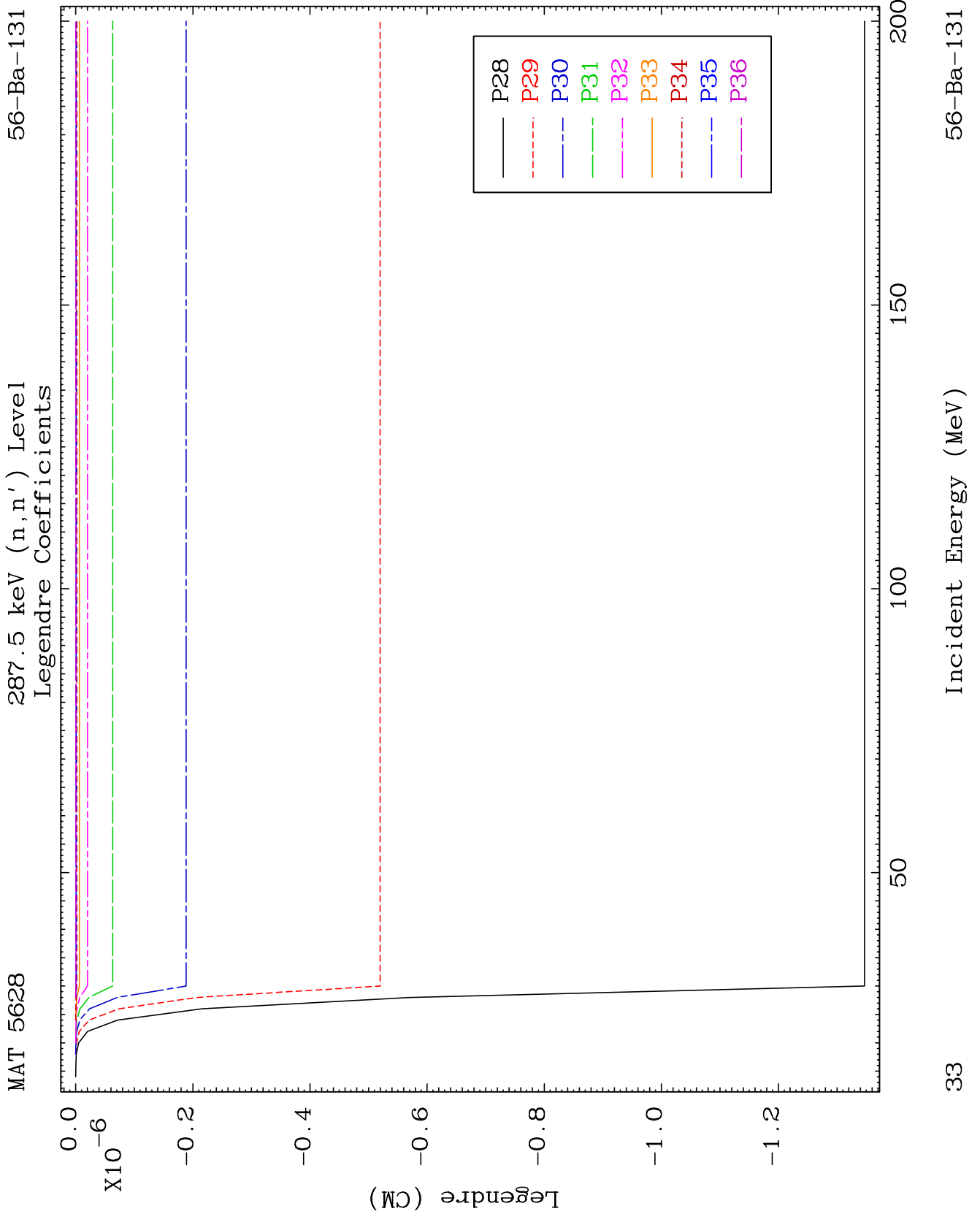
56-Ba-131



32

Incident Energy (MeV)

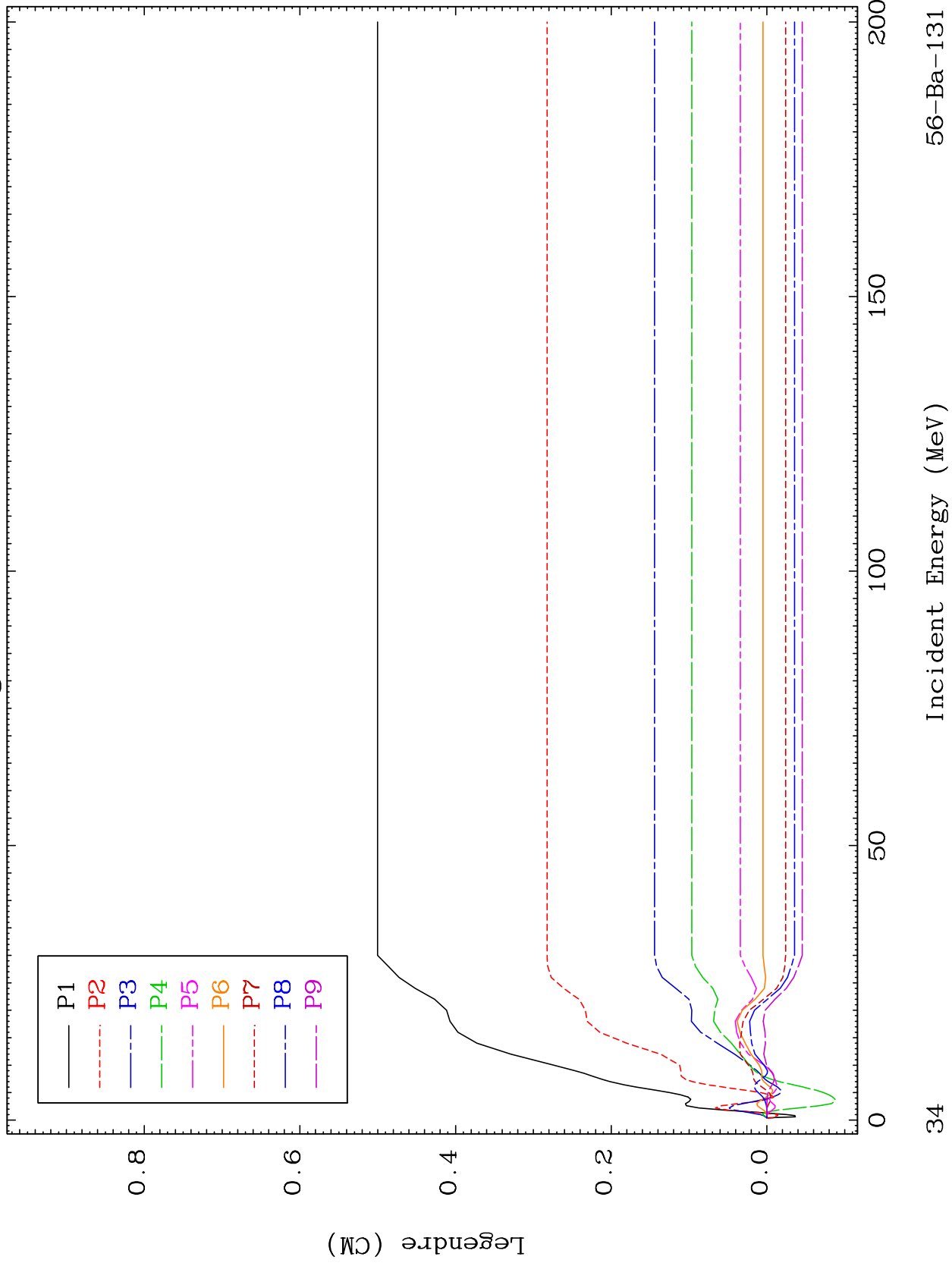
56-Ba-131



MAT 5628

316.6 keV (n,n') Level  
Legendre Coefficients

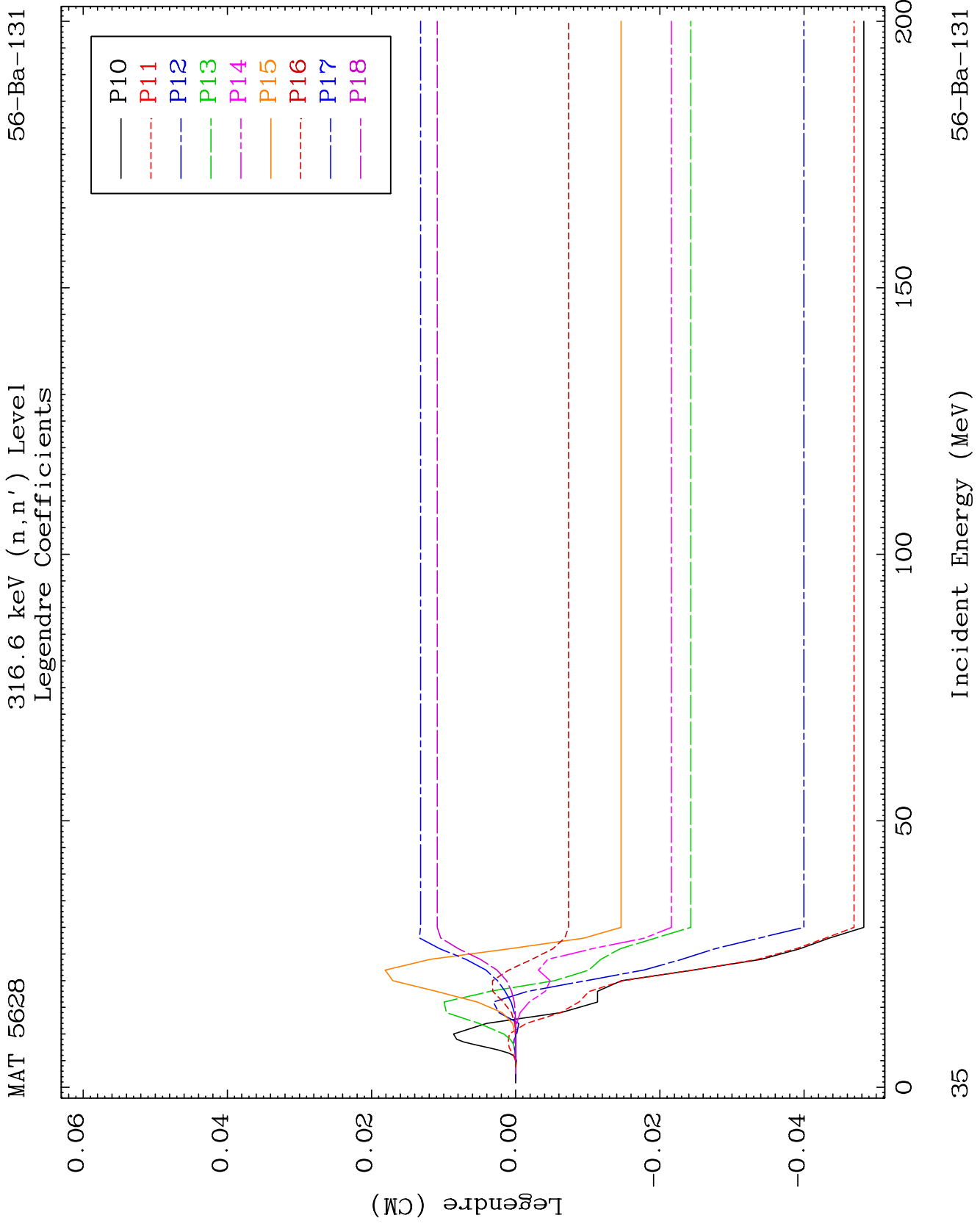
56-Ba-131



56-Ba-131

Incident Energy (MeV)

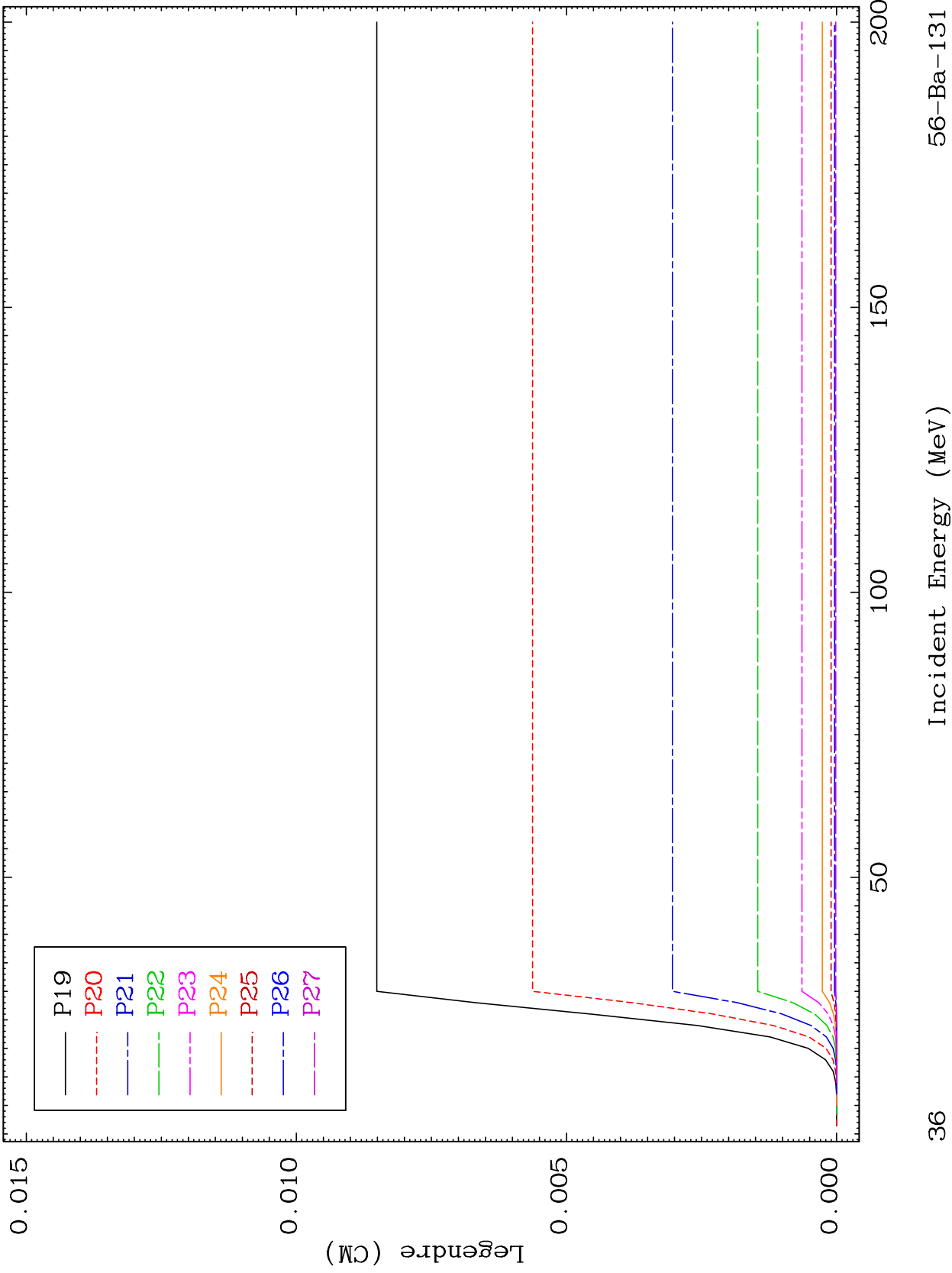
34



MAT 5628

316.6 keV (n,n') Level  
Legendre Coefficients

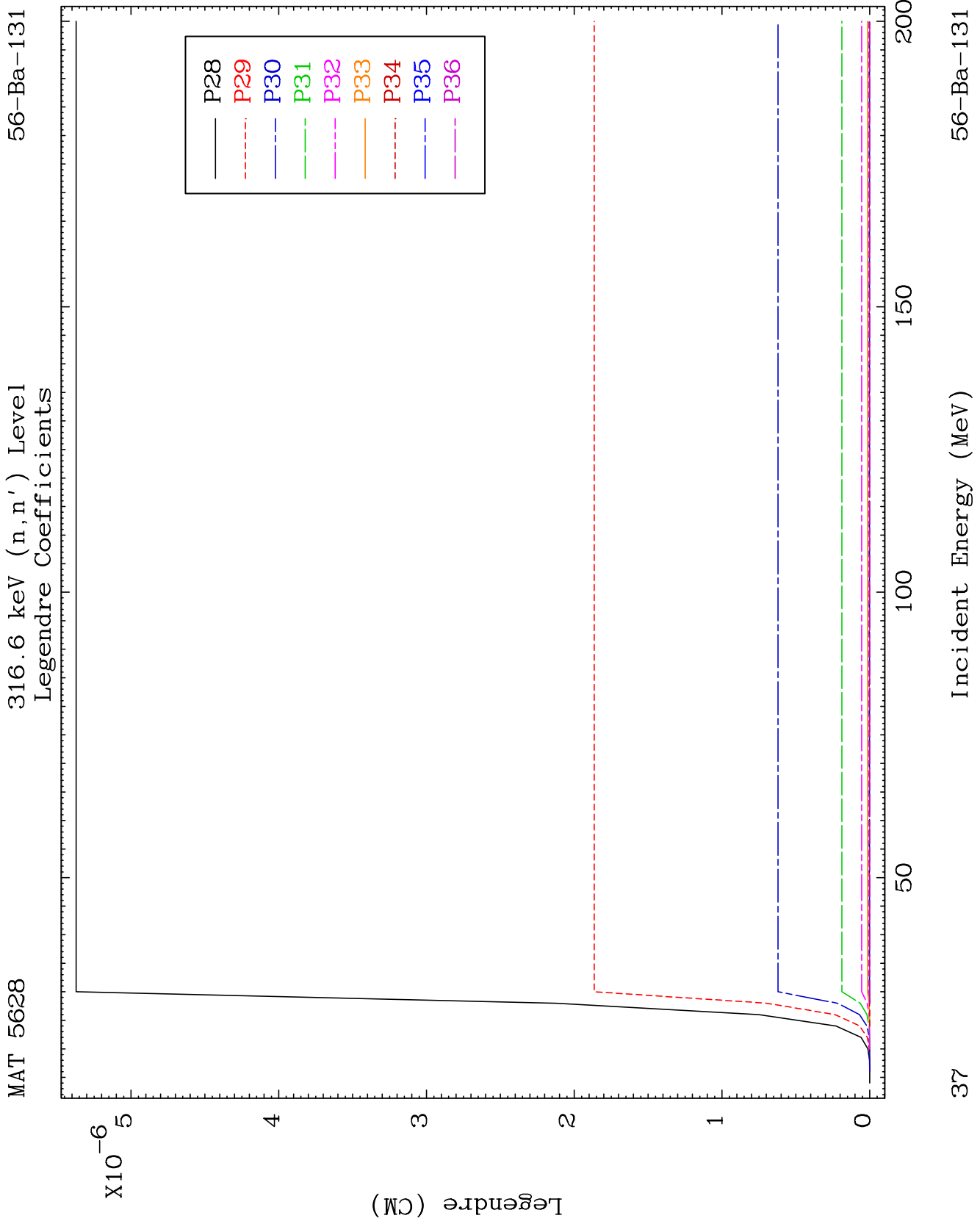
56-Ba-131

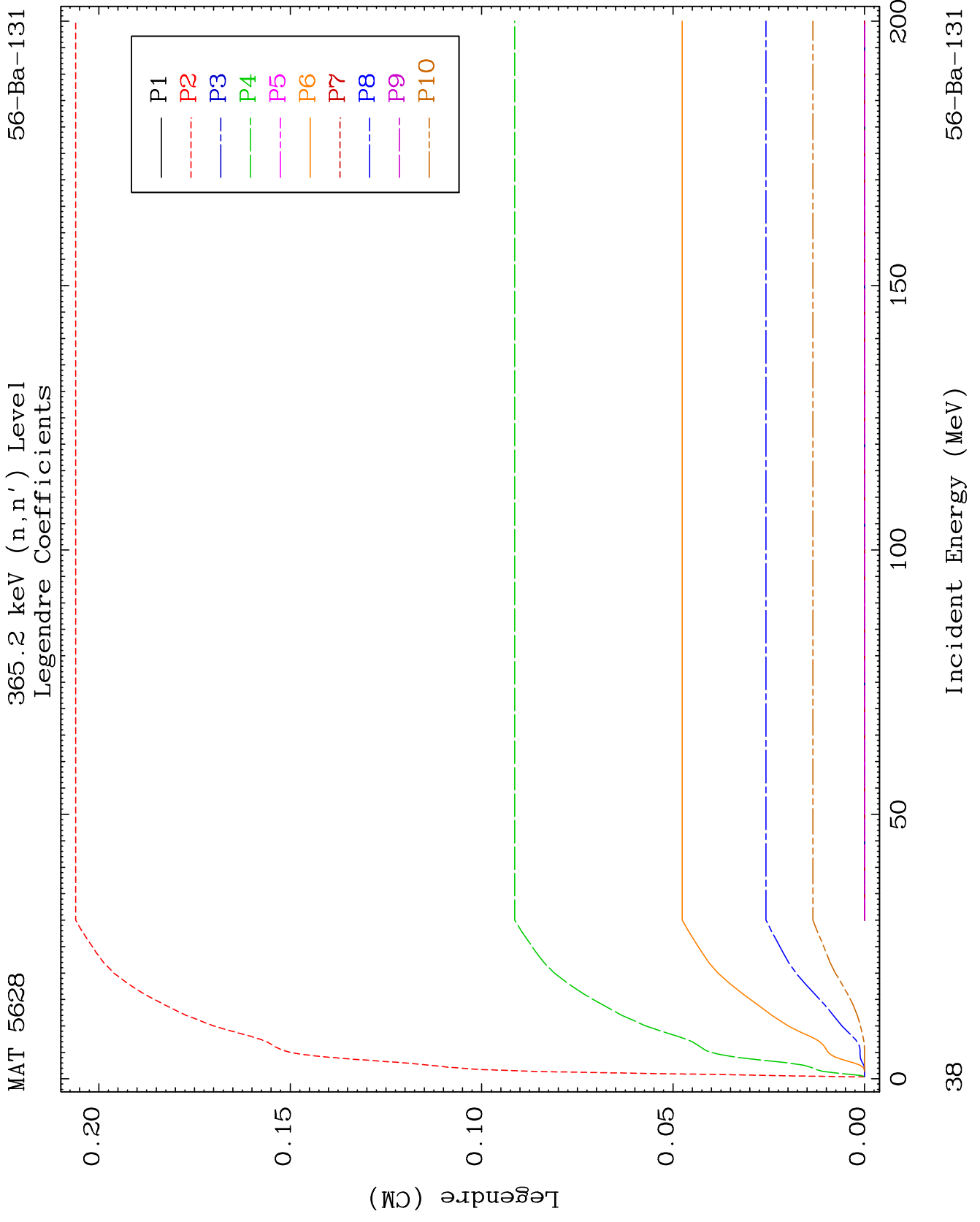


36

Incident Energy (MeV)

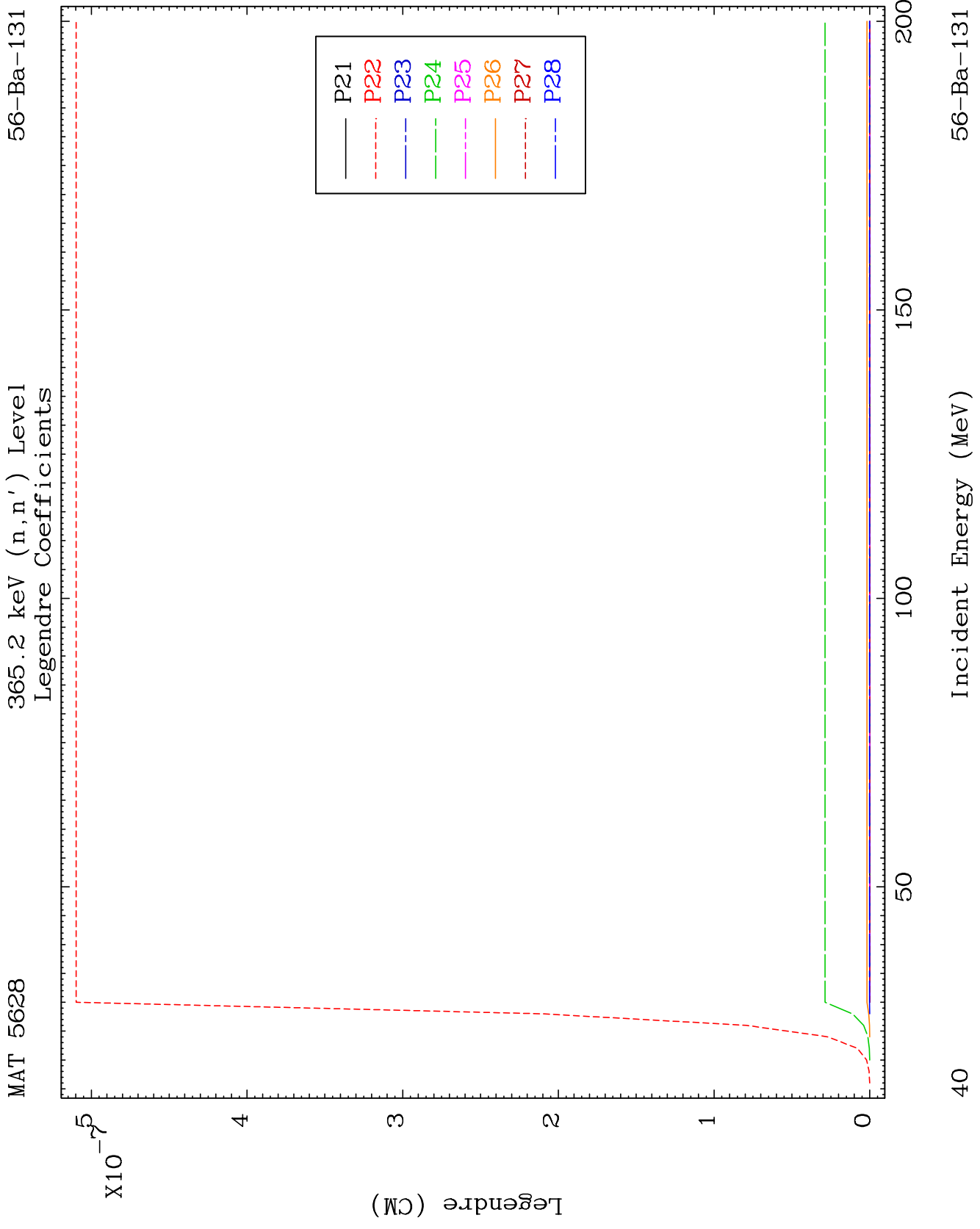
56-Ba-131







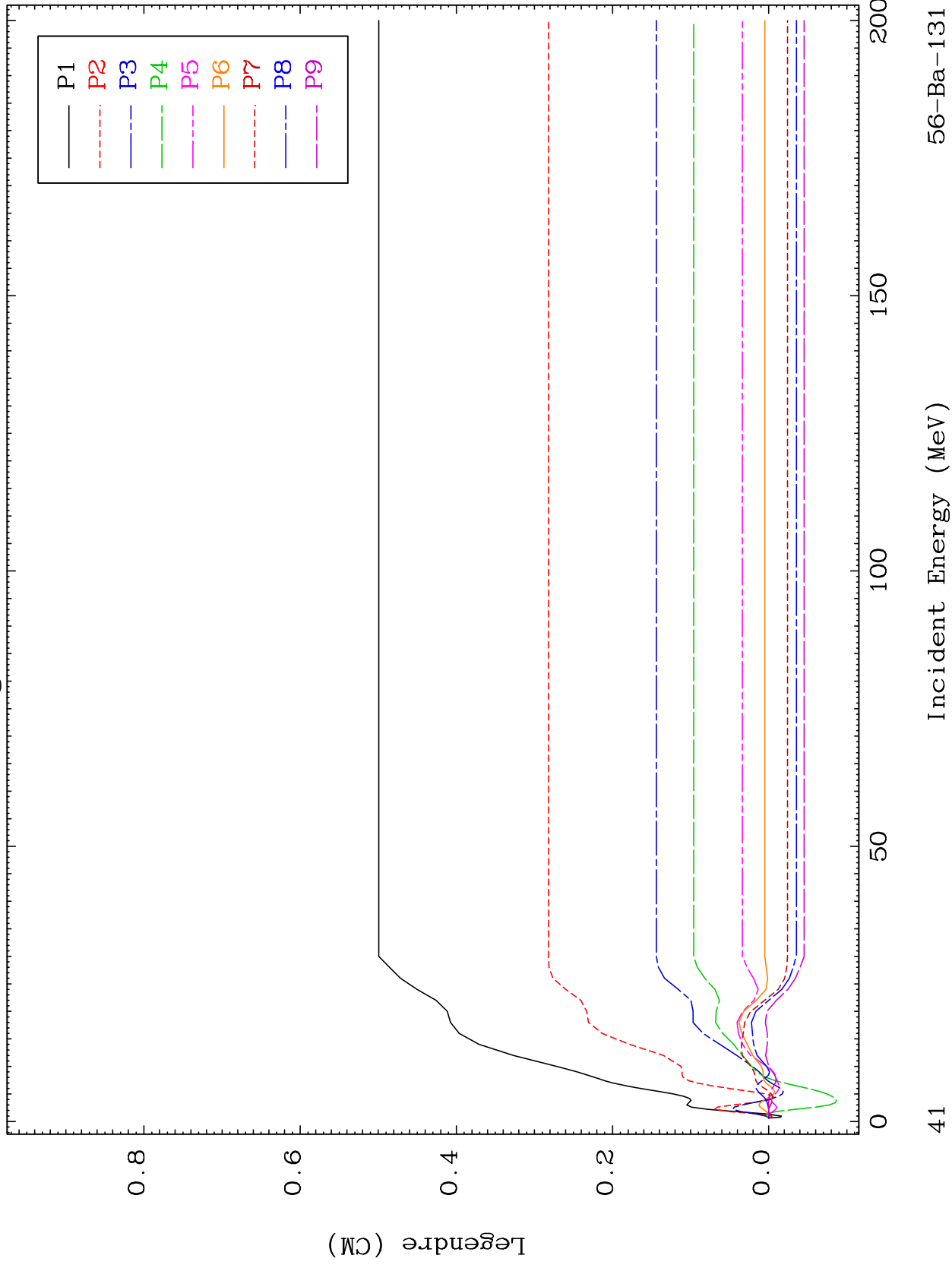




MAT 5628

525.8 keV (n,n') Level  
Legendre Coefficients

56-Ba-131



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Incident Energy (MeV)

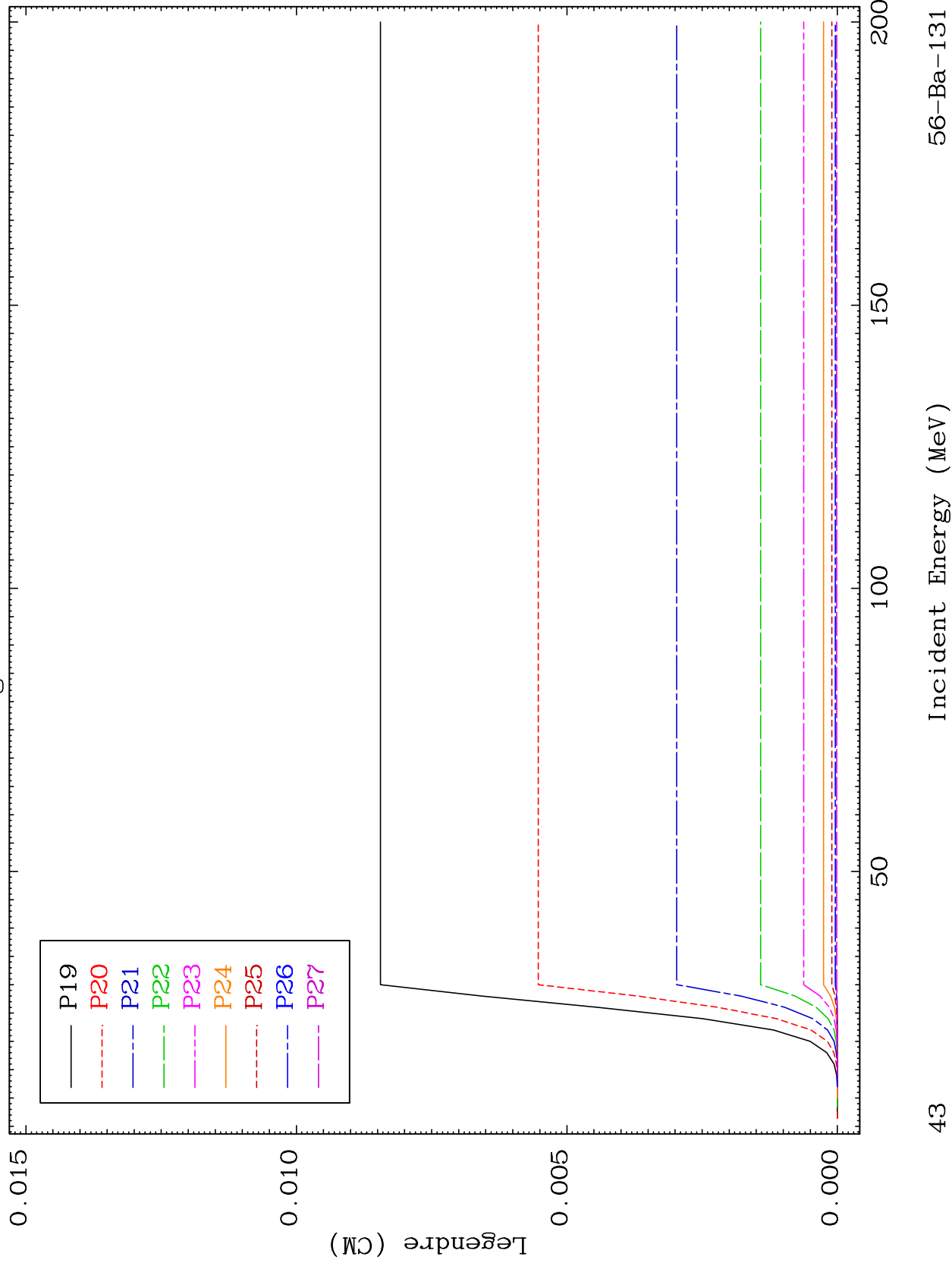
56-Ba-131



MAT 5628

525.8 keV (n,n') Level  
Legendre Coefficients

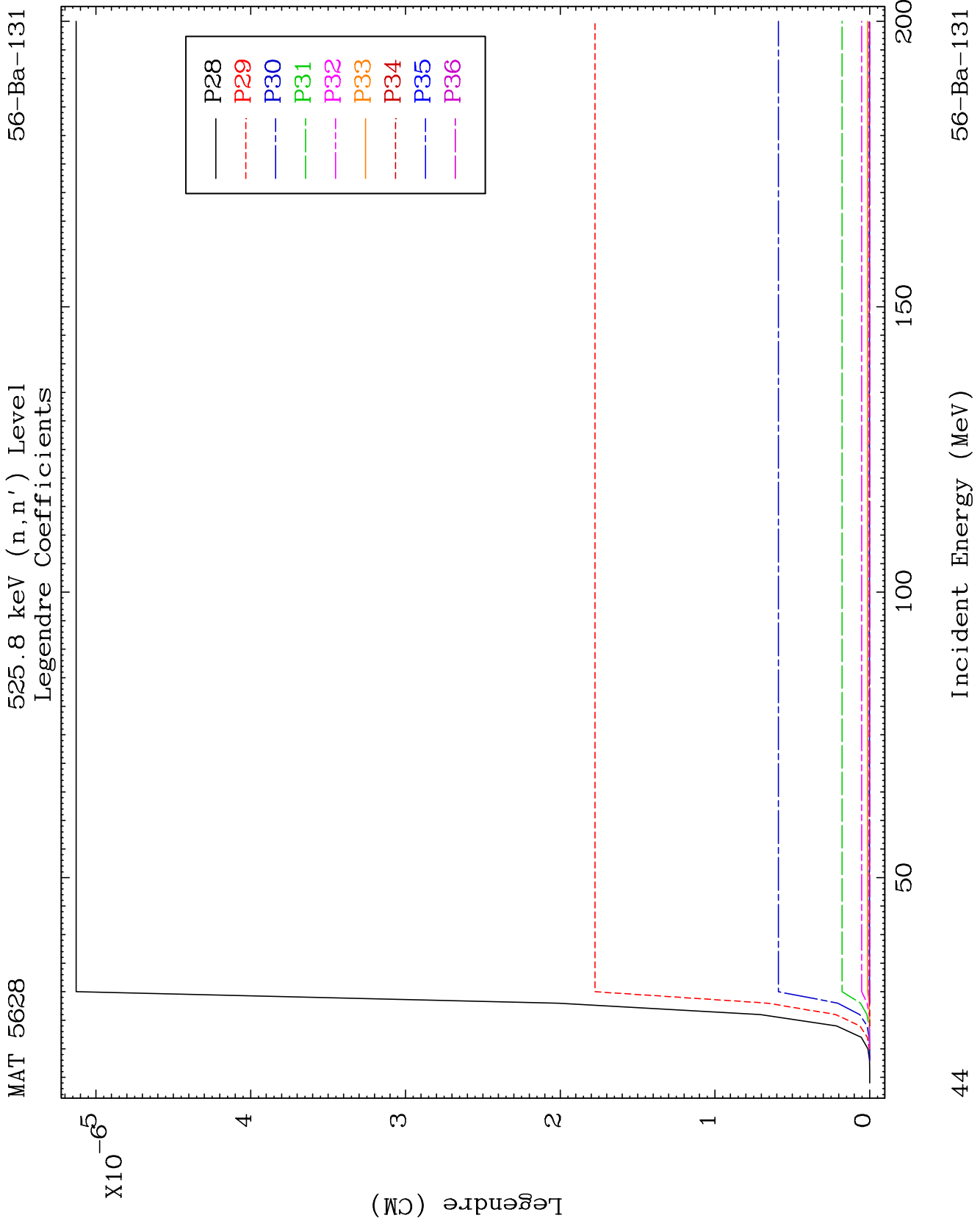
56-Ba-131



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56-Ba-131

Incident Energy (MeV)

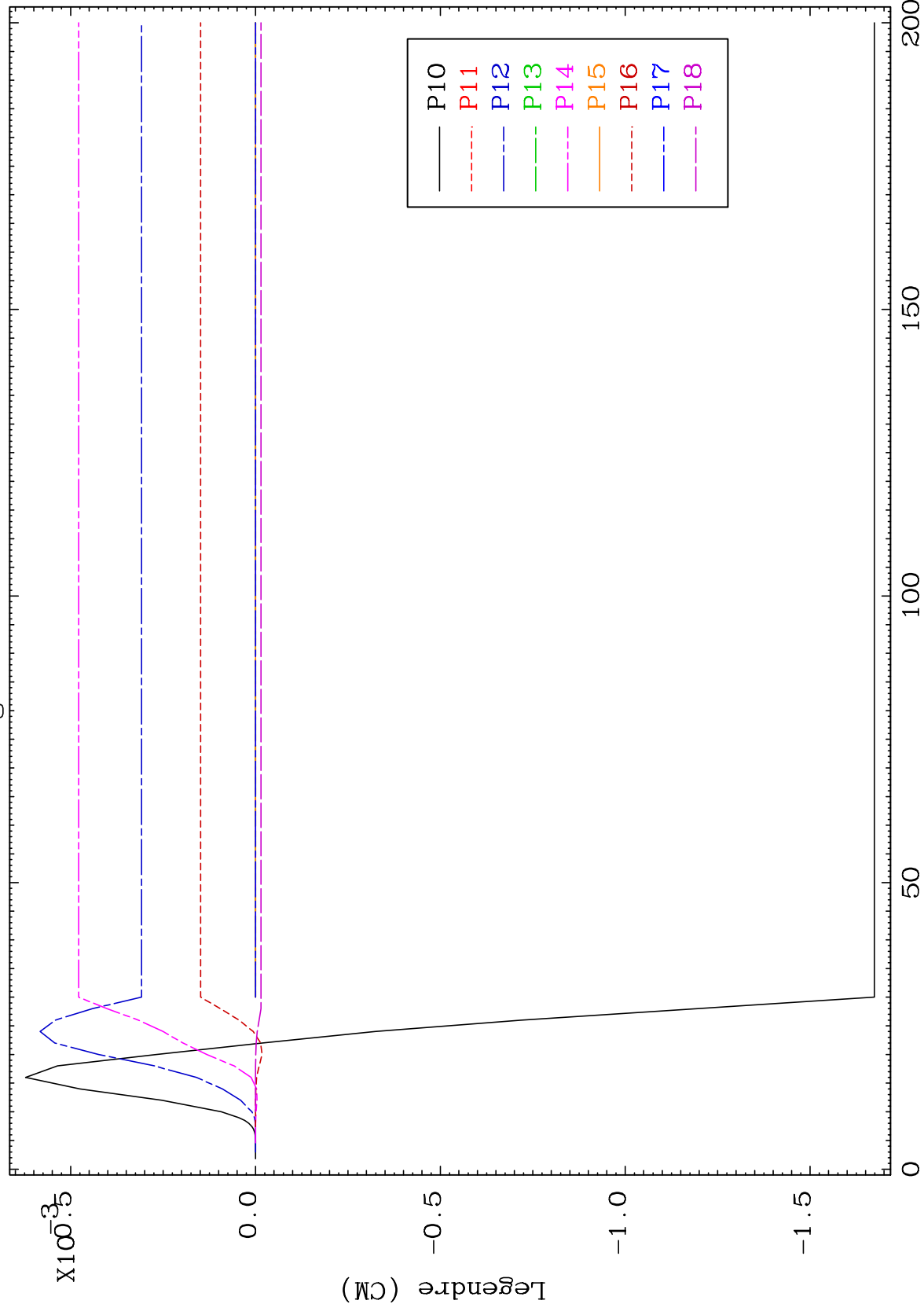




MAT 5628

542.9 keV (n,n') Level  
Legendre Coefficients

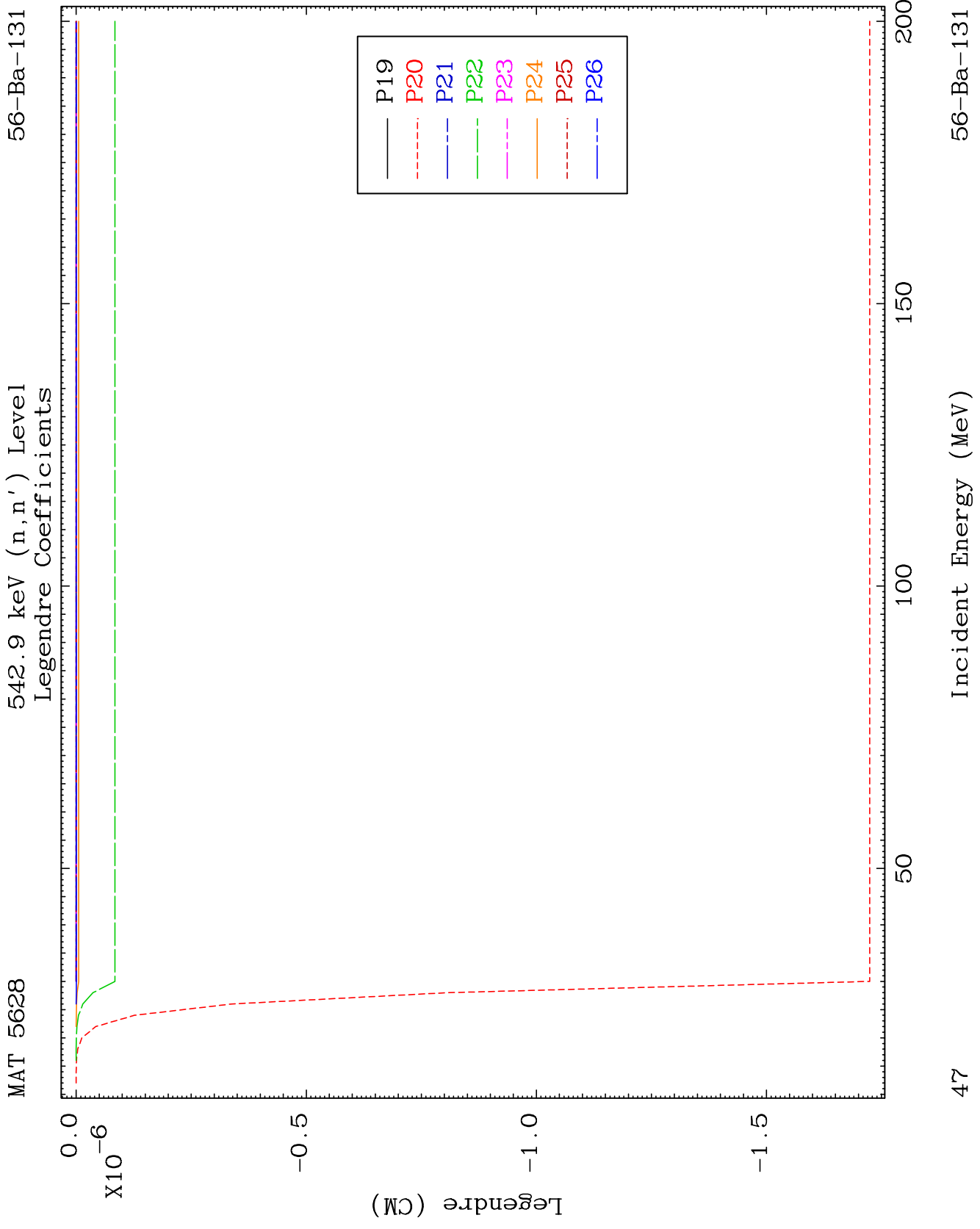
56-Ba-131



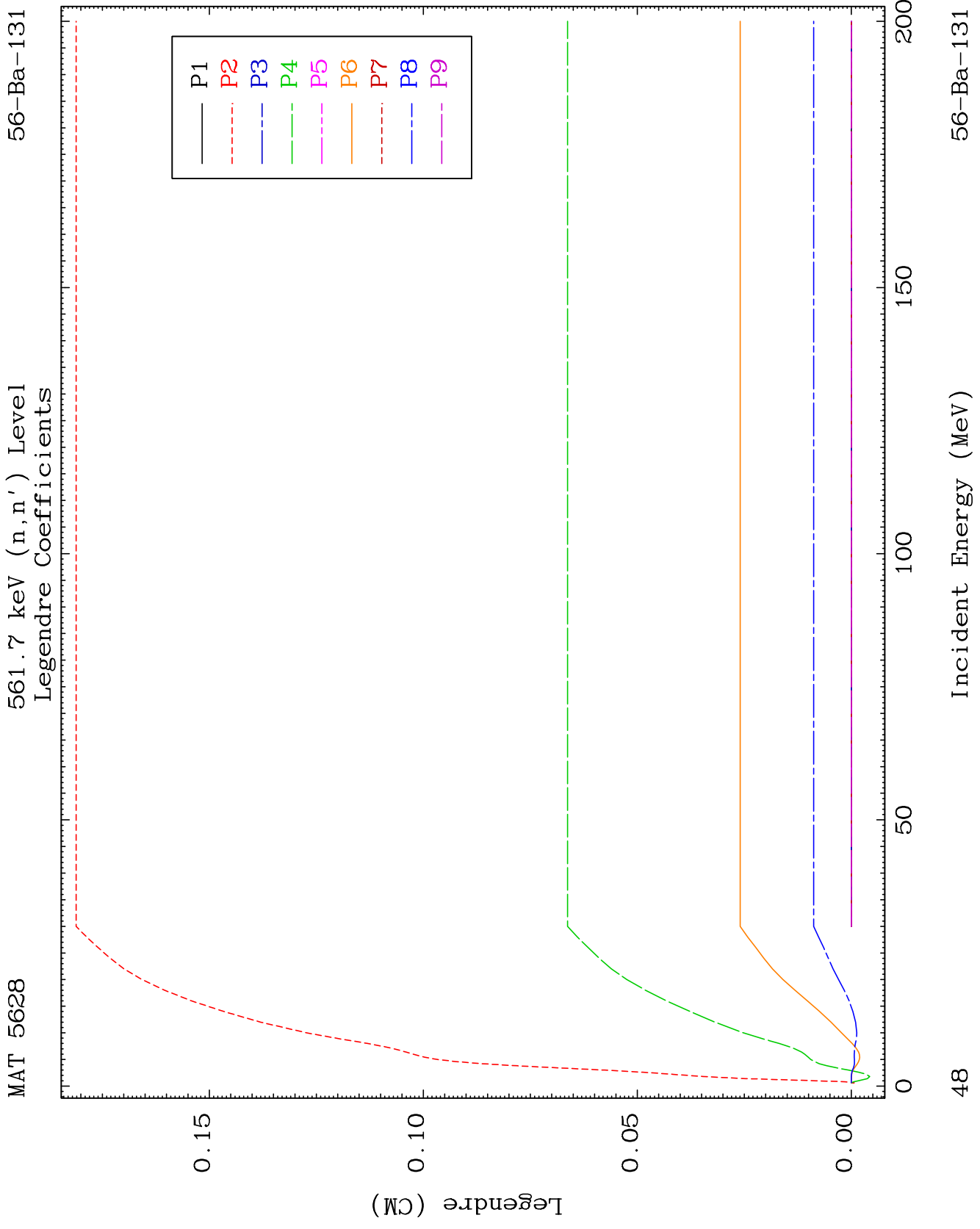
56-Ba-131

Incident Energy (MeV)

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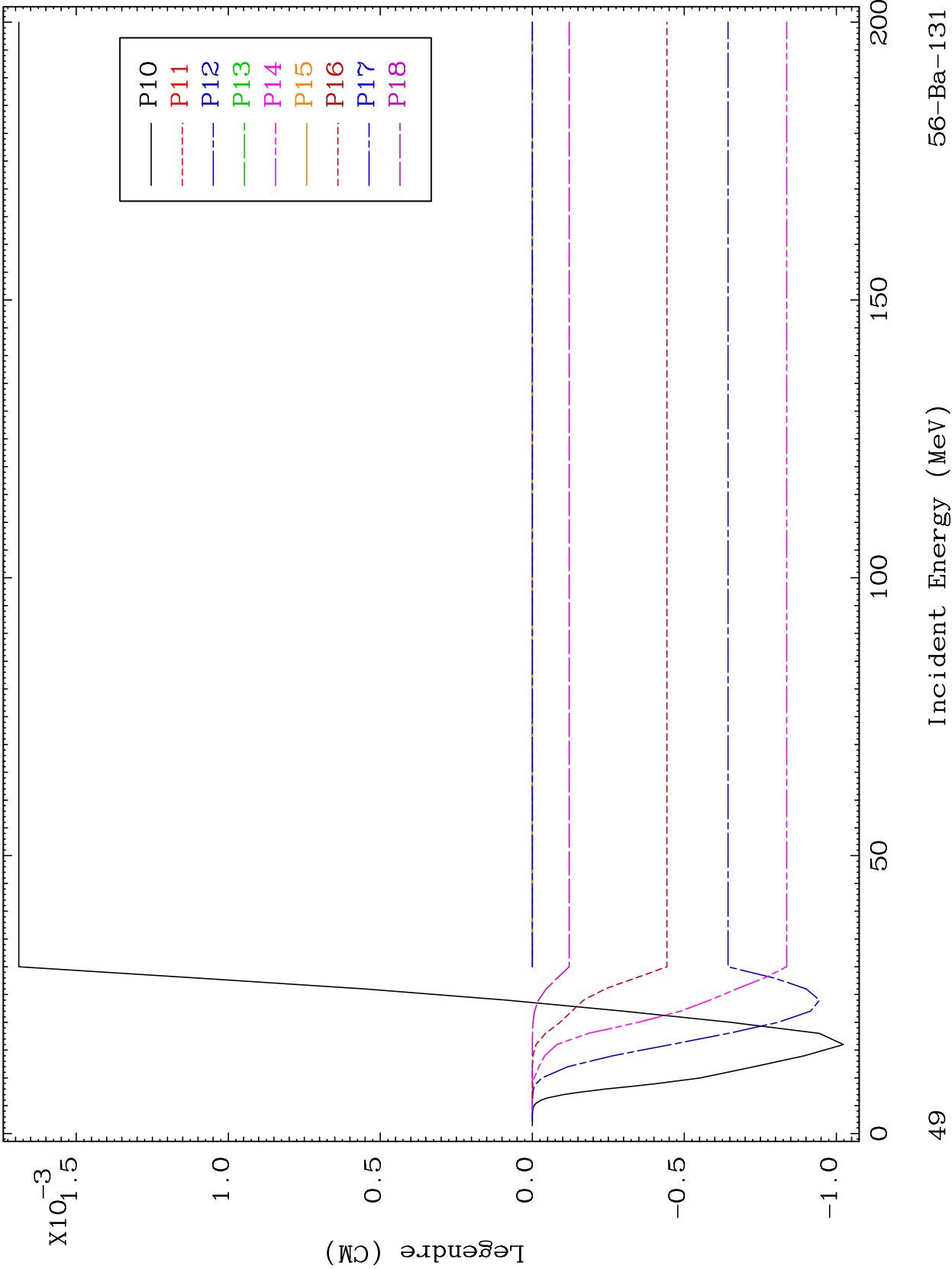




MAT 5628

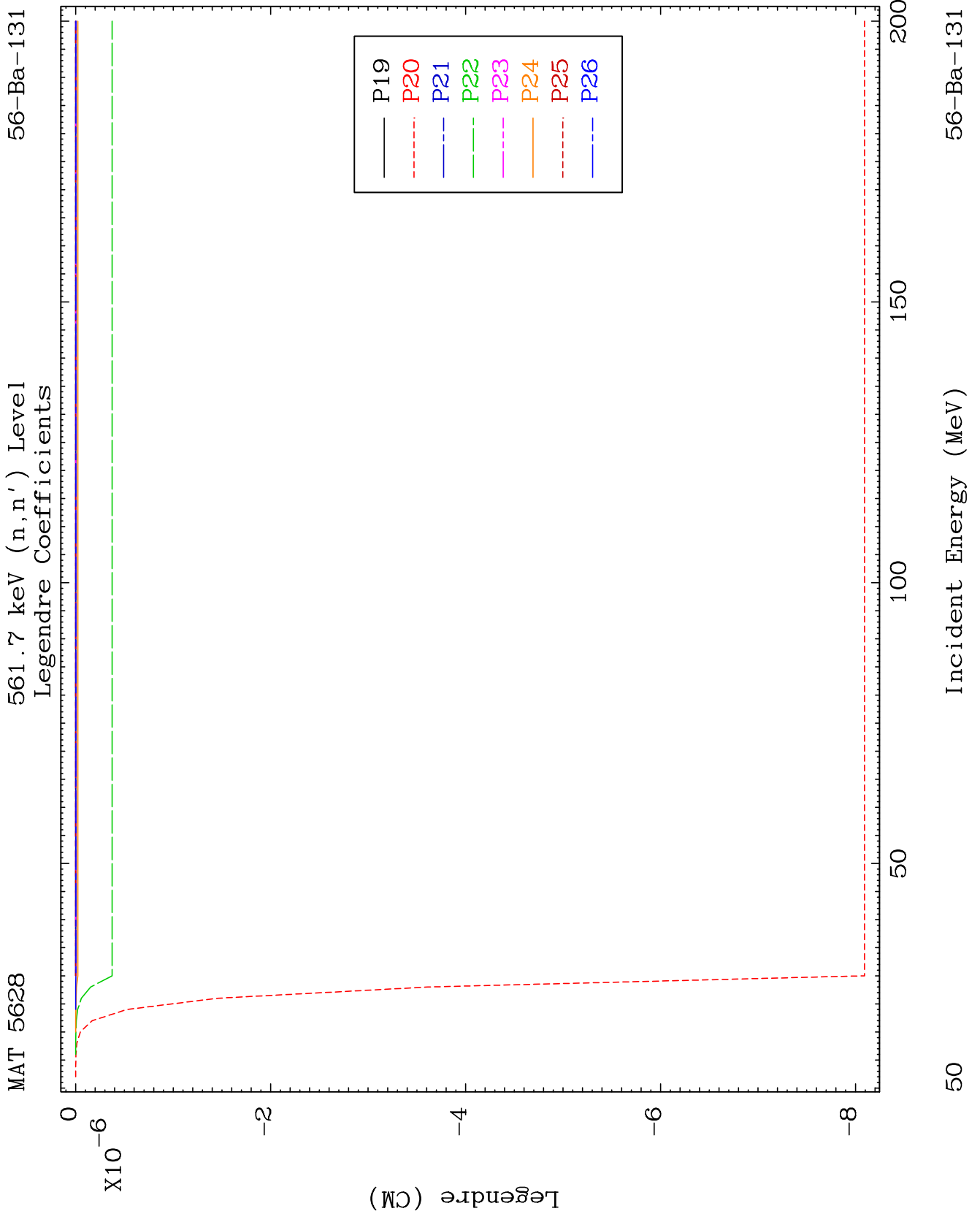
561.7 keV (n,n') Level  
Legendre Coefficients

56-Ba-131



49

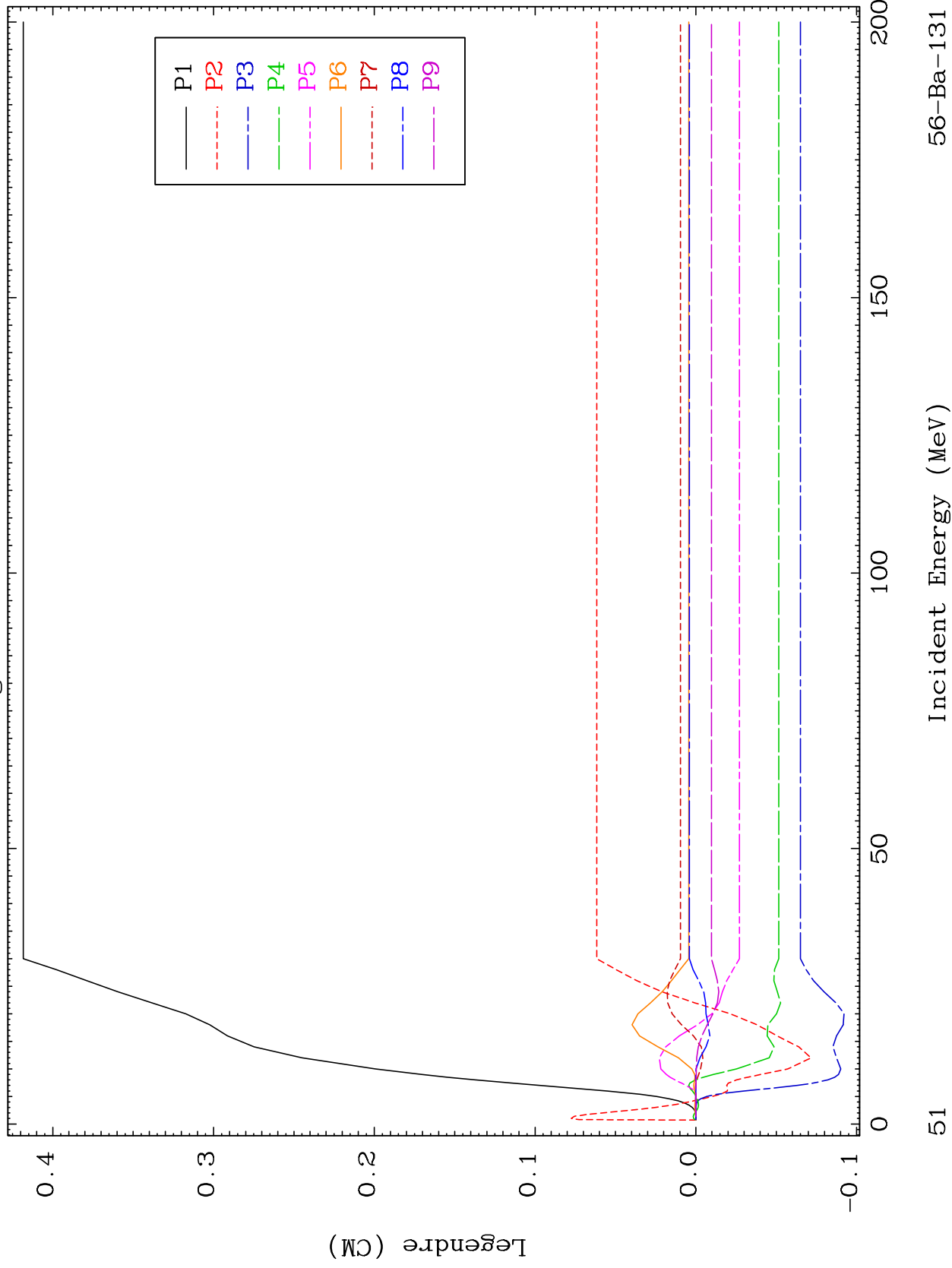
56-Ba-131



MAT 5628

706.4 keV (n,n') Level  
Legendre Coefficients

56-Ba-131

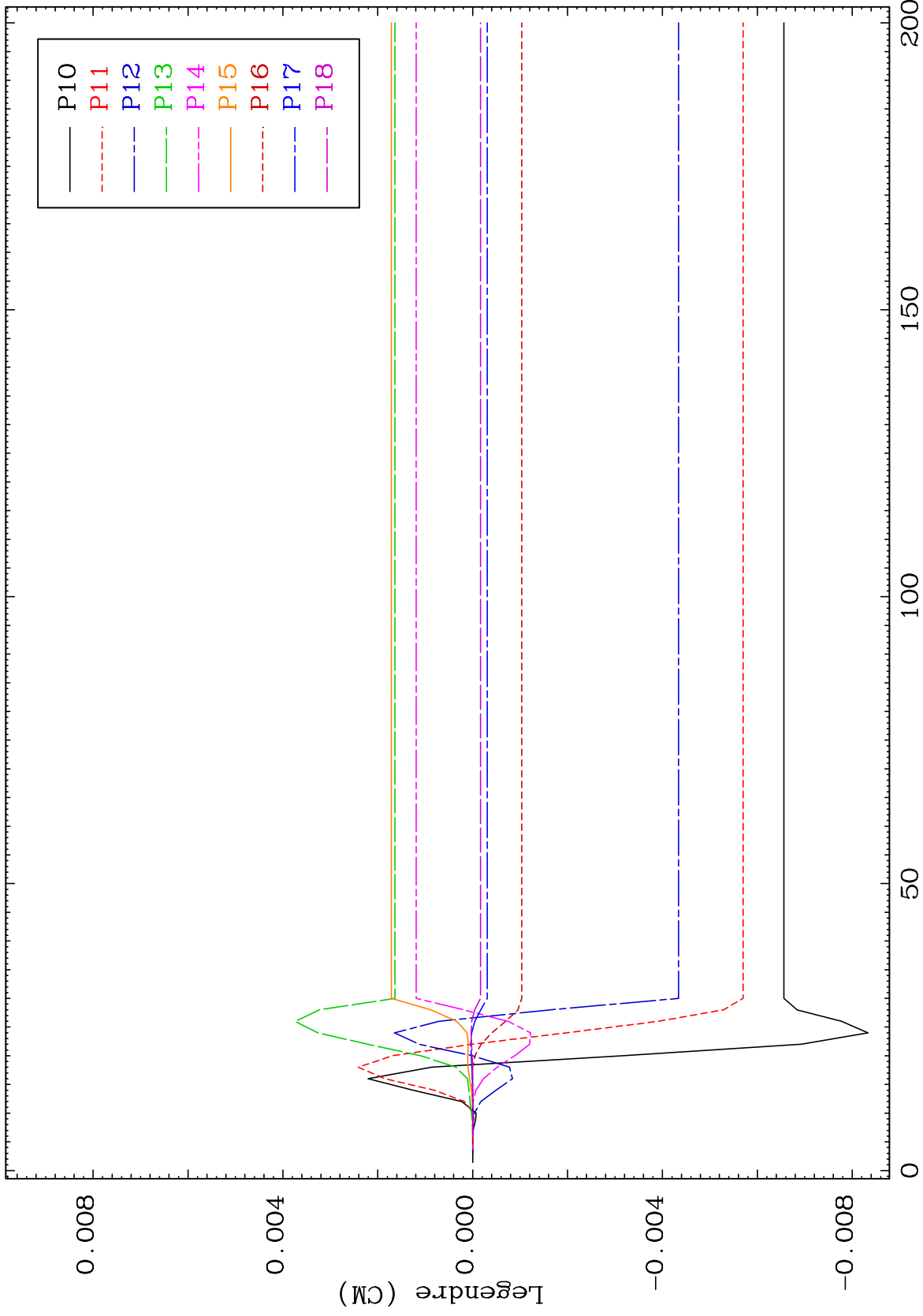


51

MAT 5628

706.4 keV (n,n') Level  
Legendre Coefficients

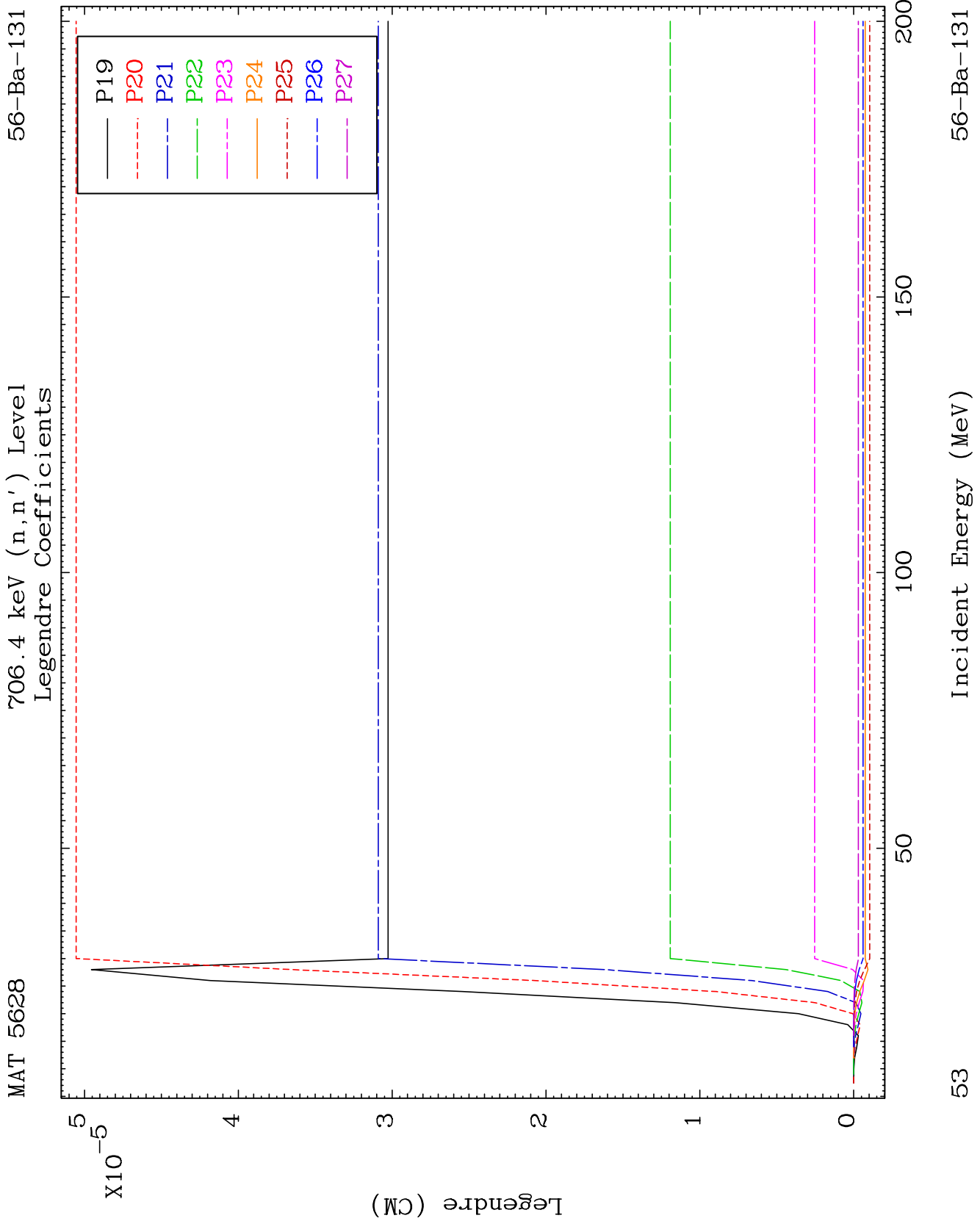
56-Ba-131

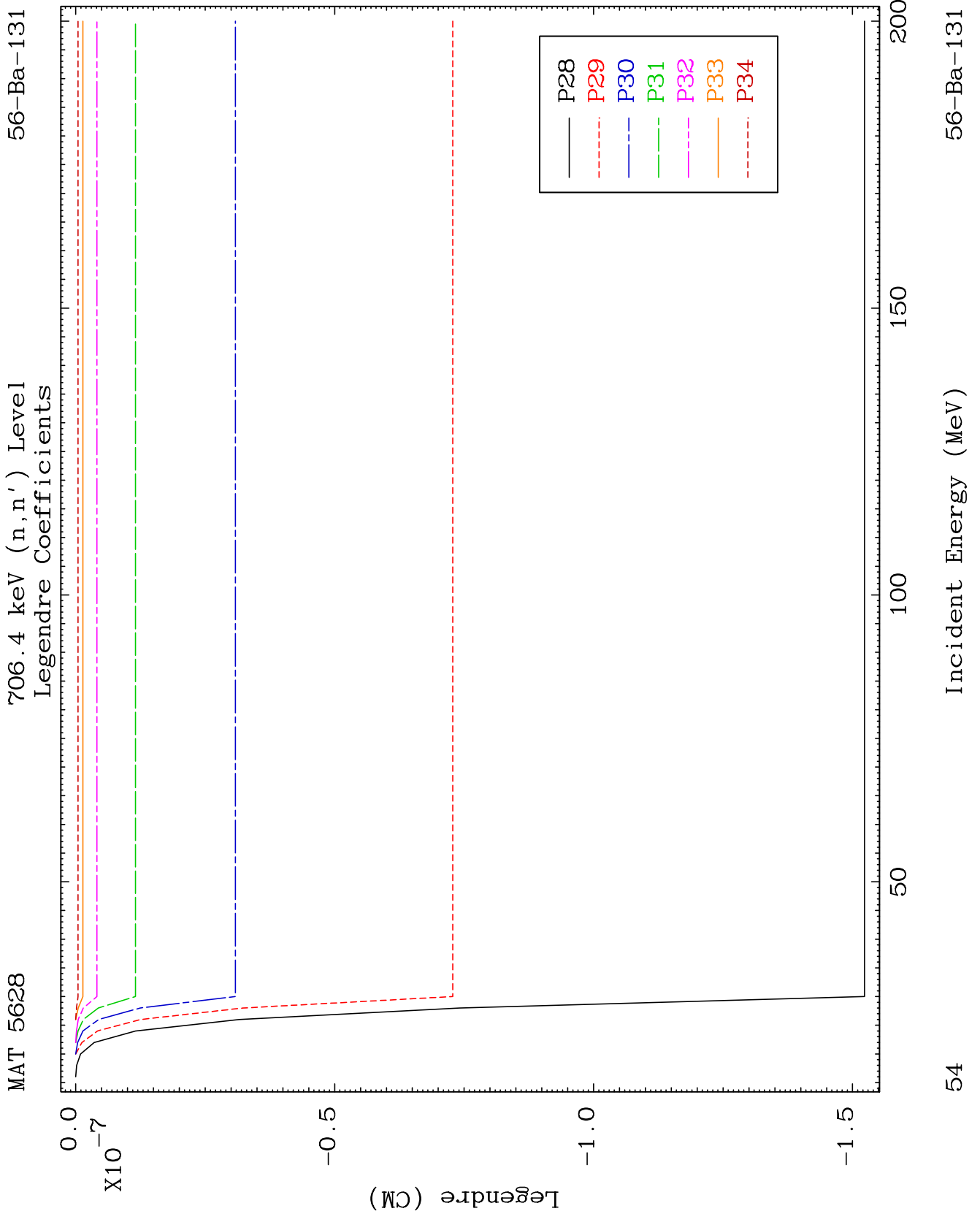


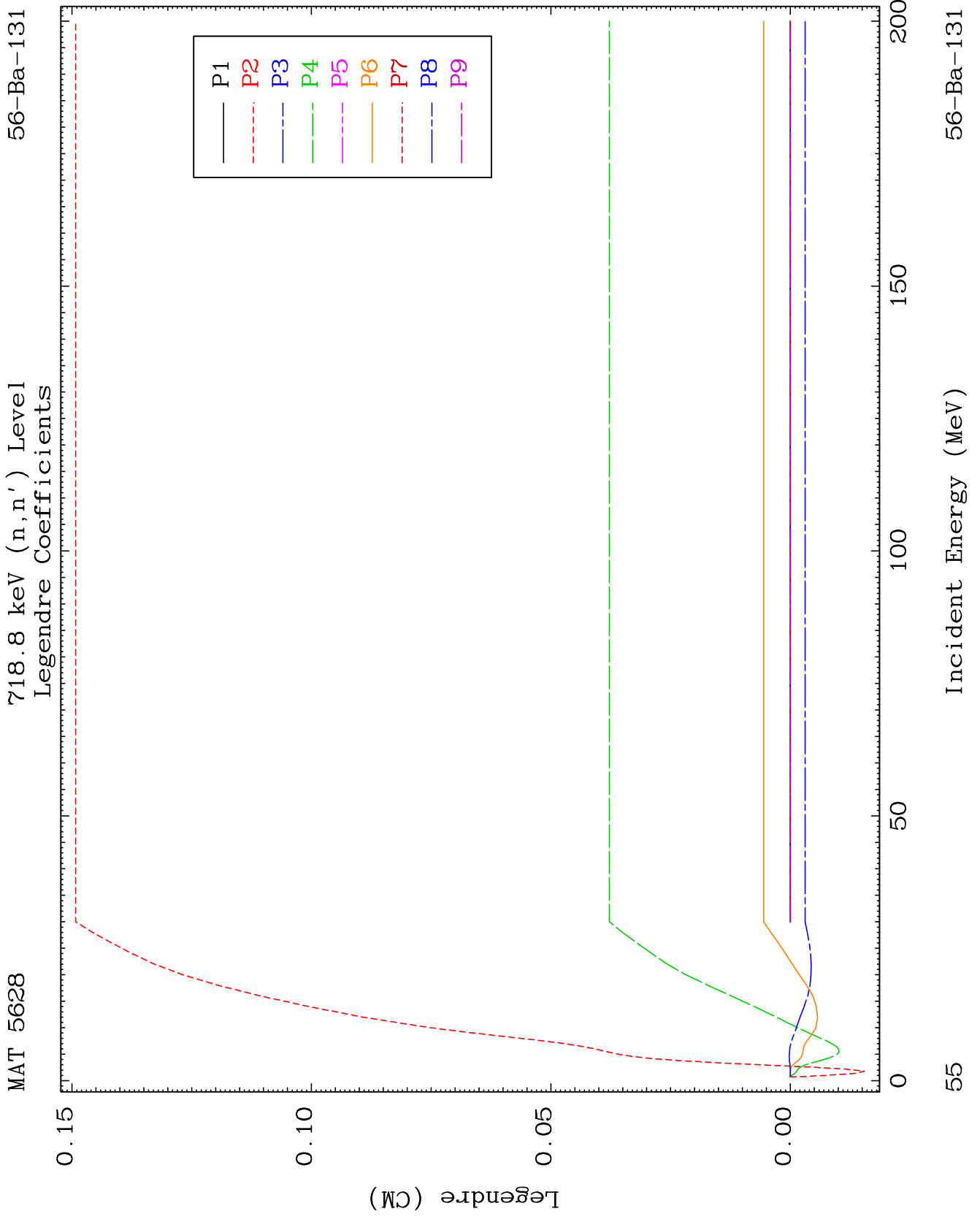
52

Incident Energy (MeV)

56-Ba-131

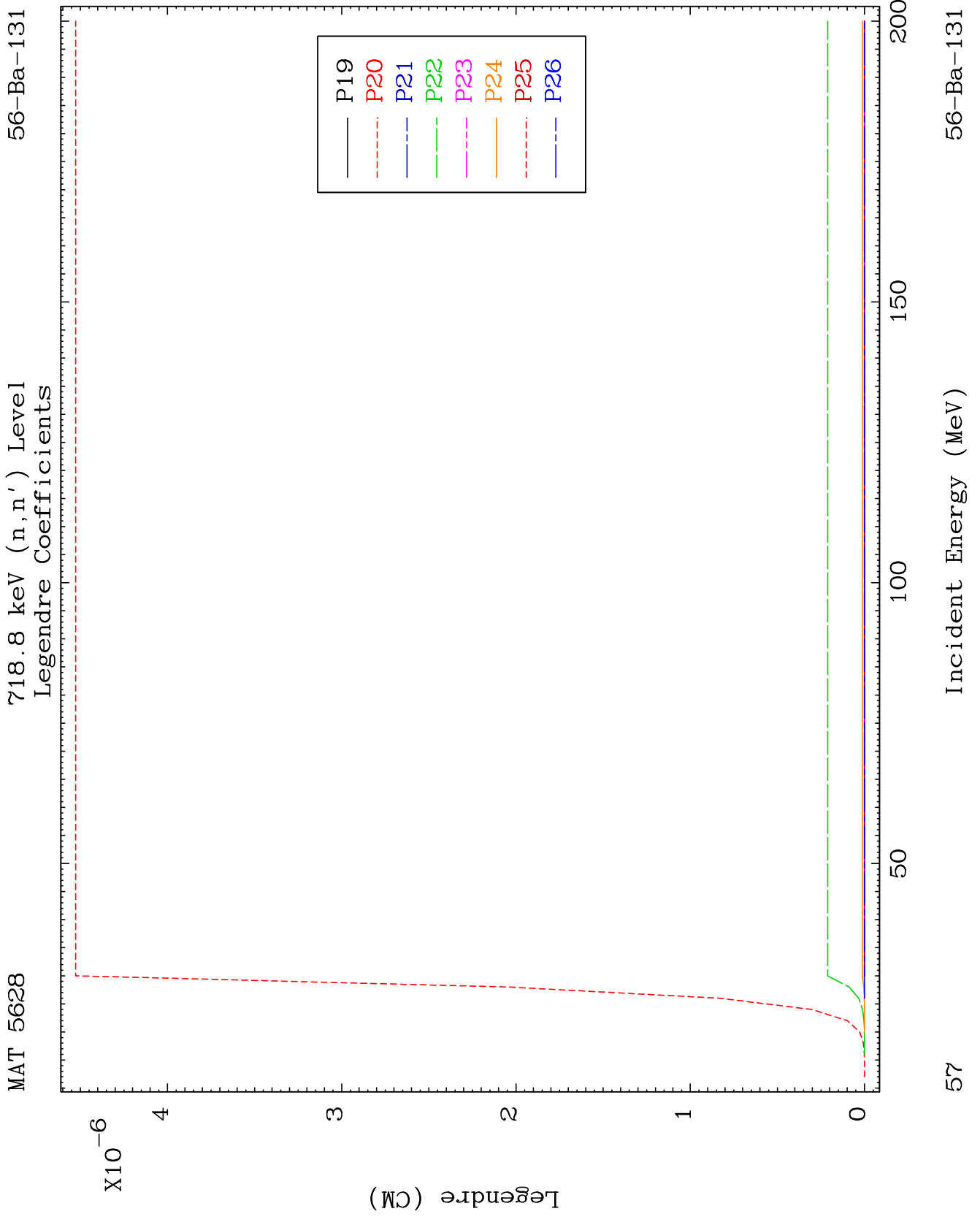


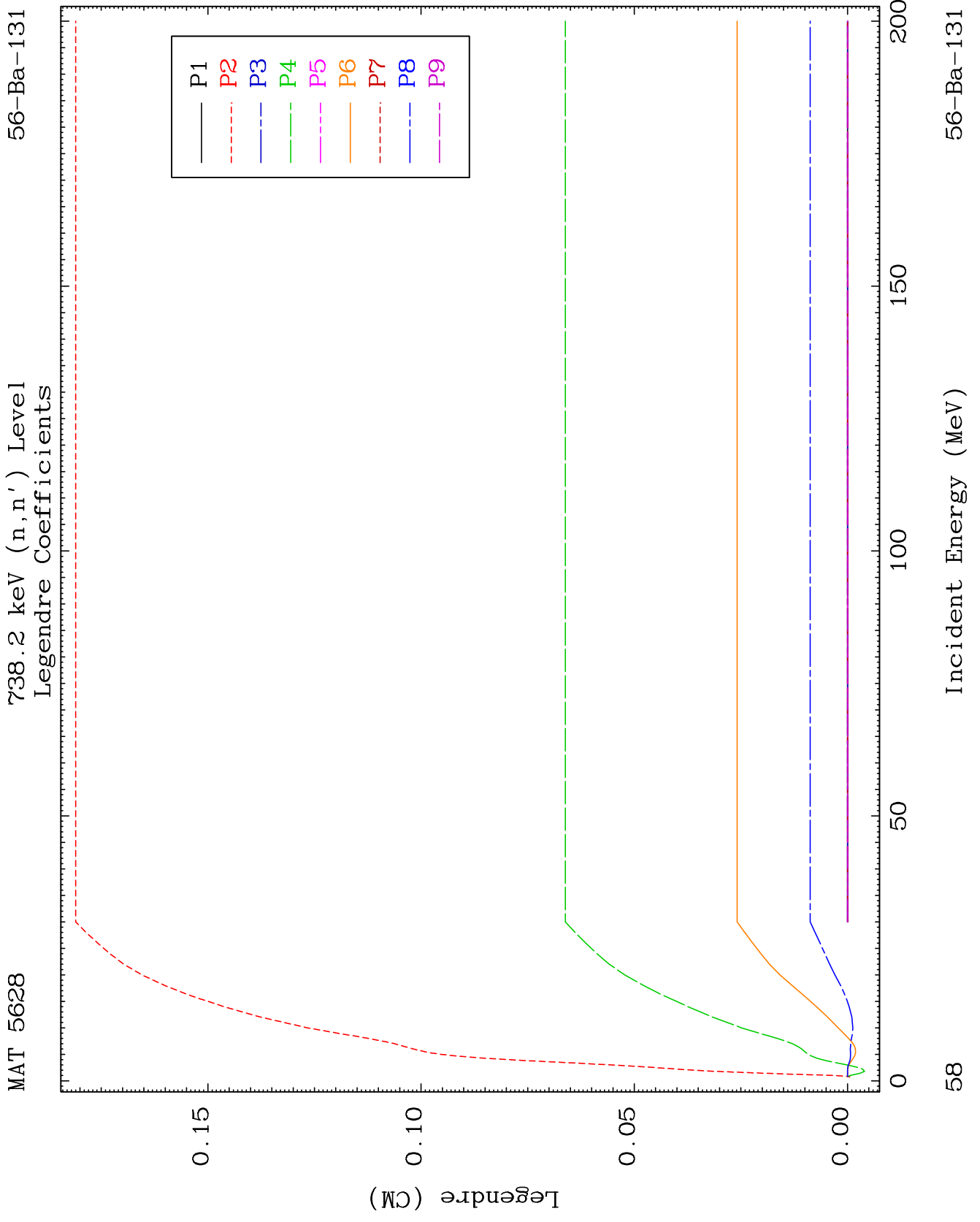








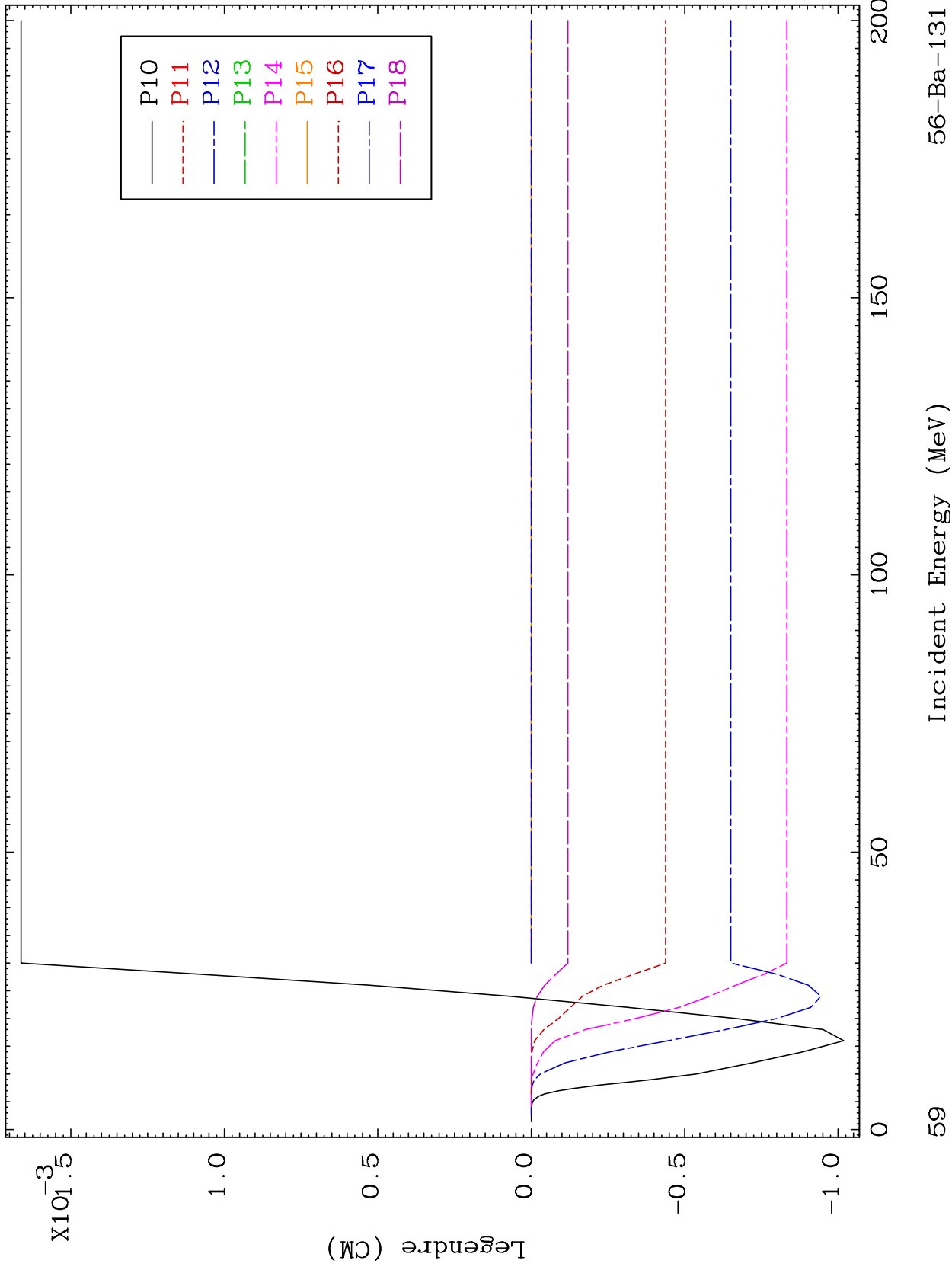




MAT 5628

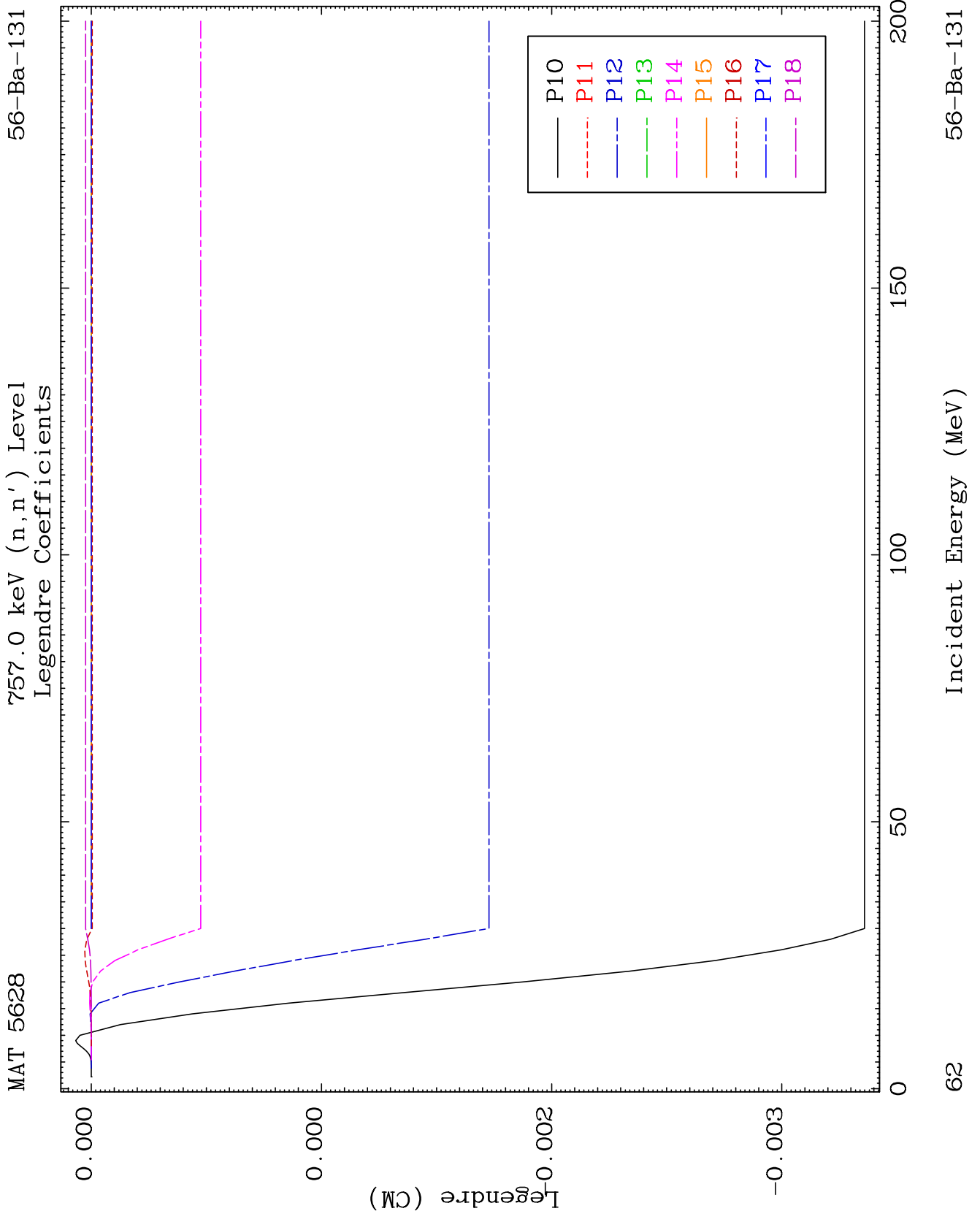
738.2 keV (n,n') Level  
Legendre Coefficients

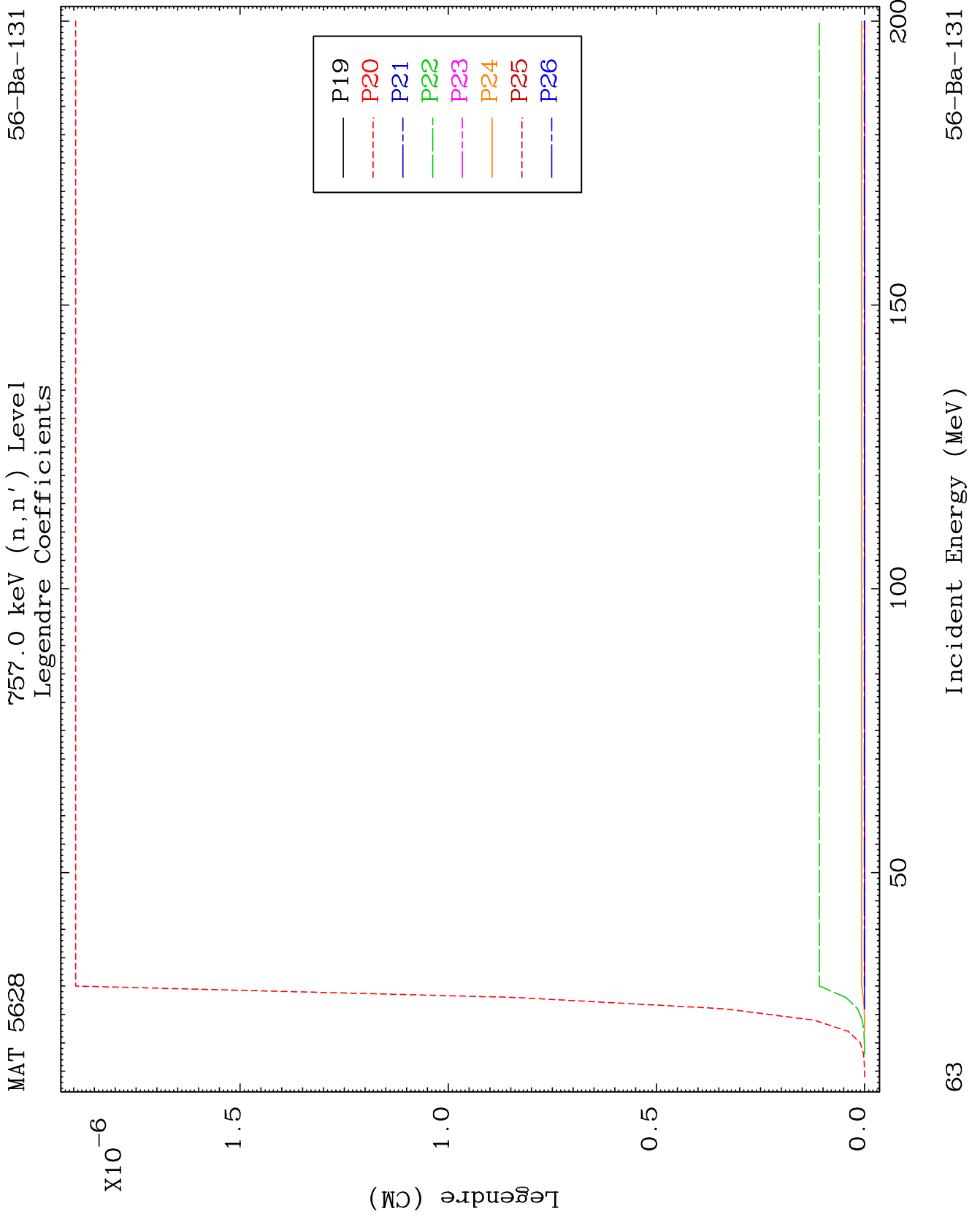
56-Ba-131



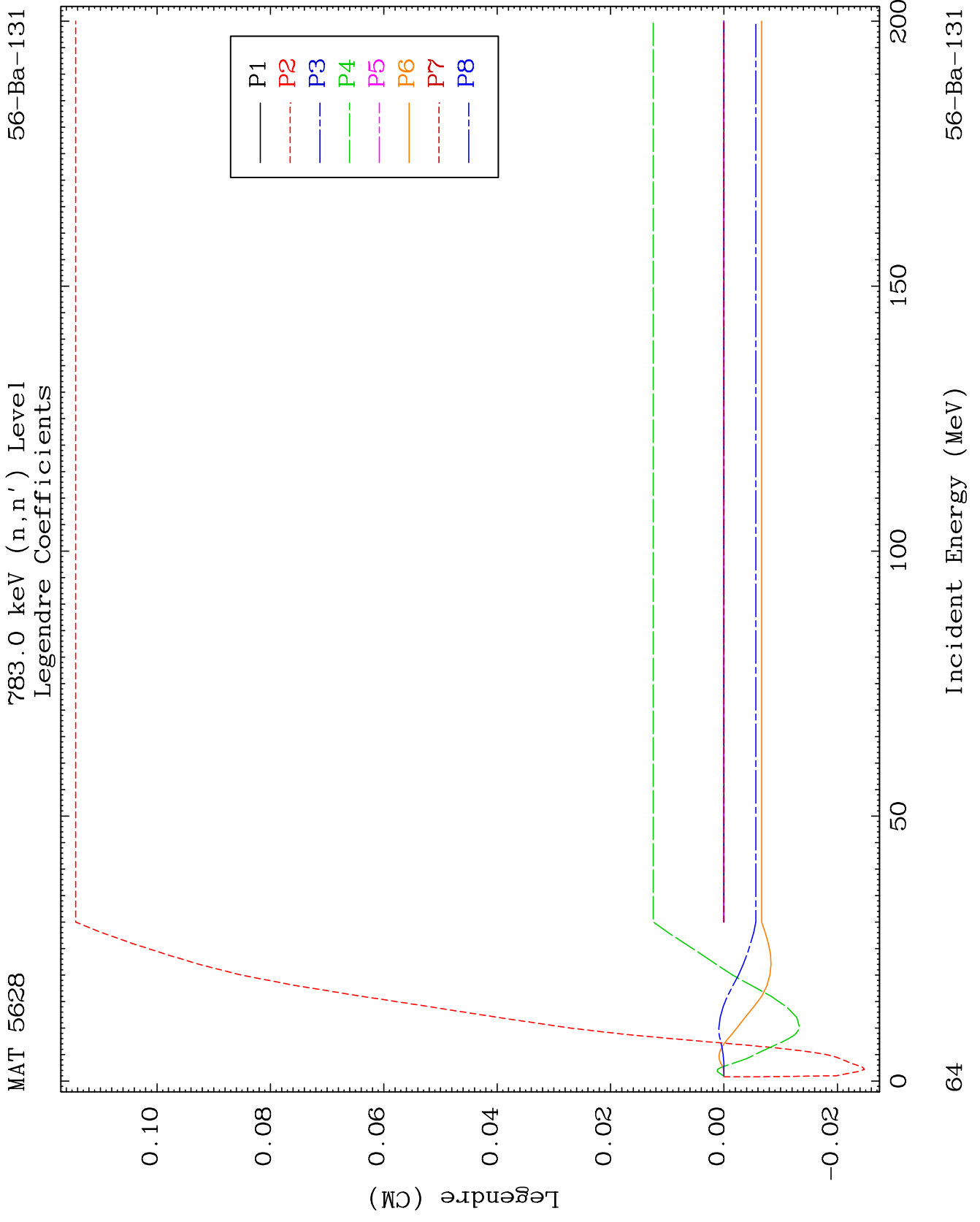


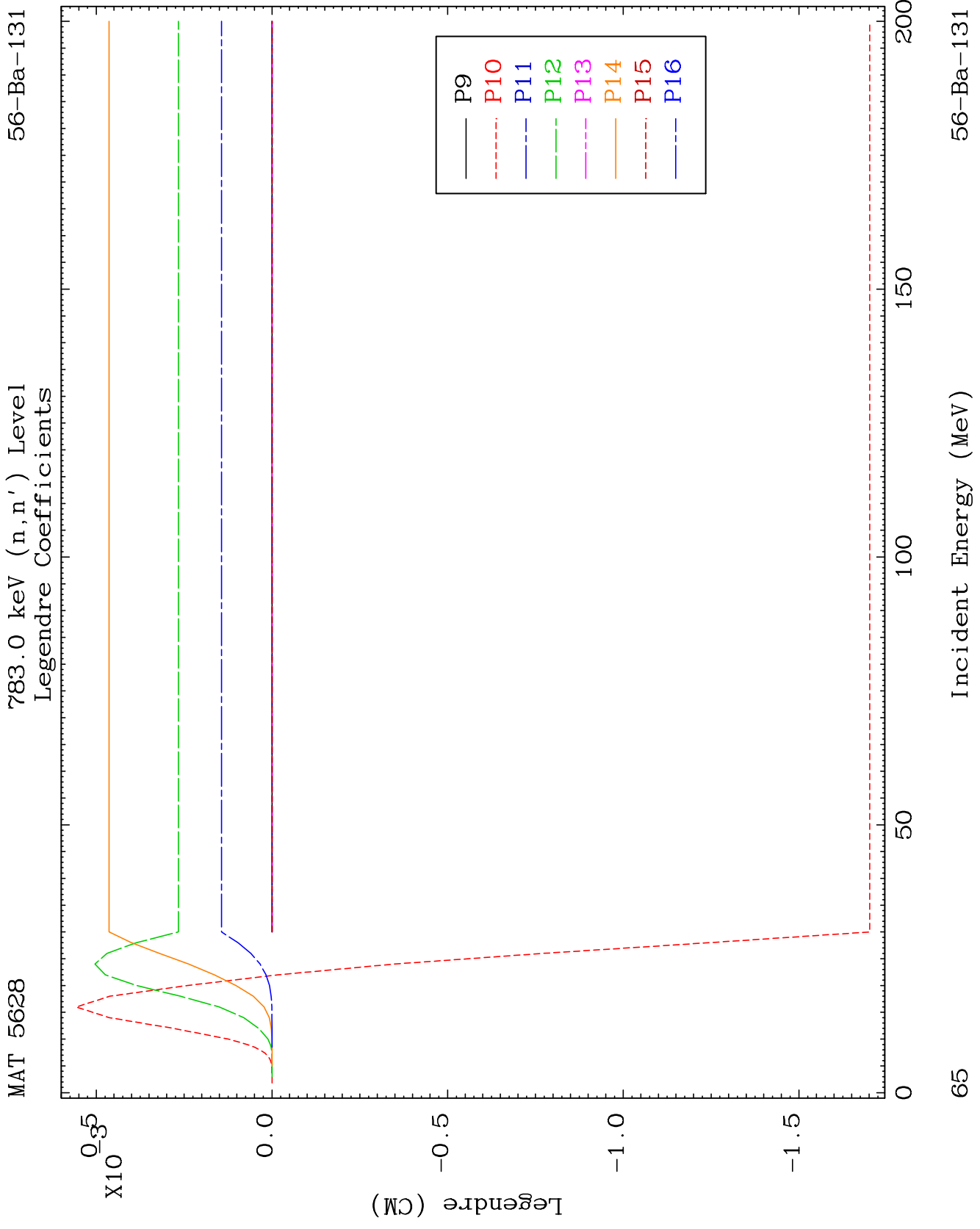


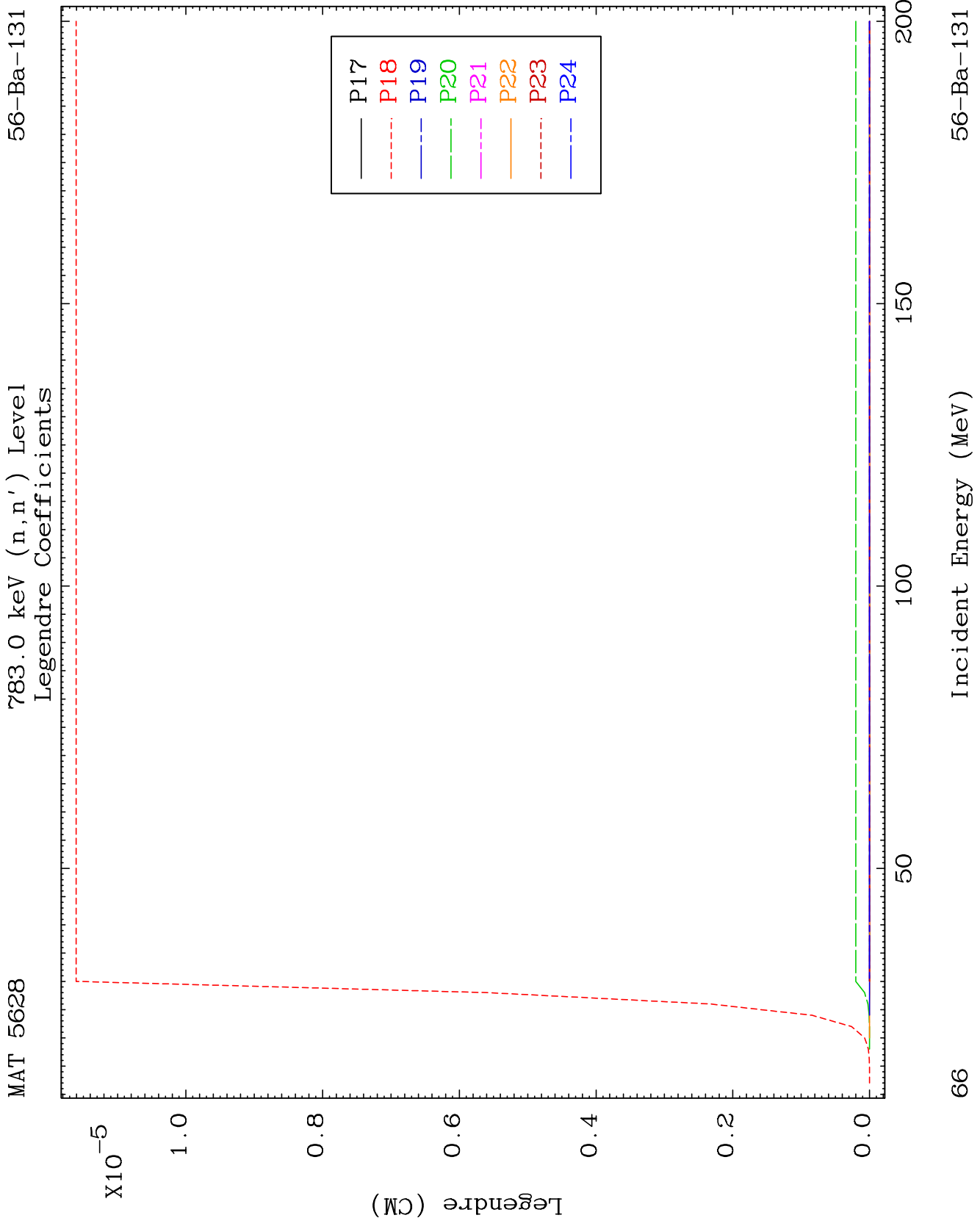




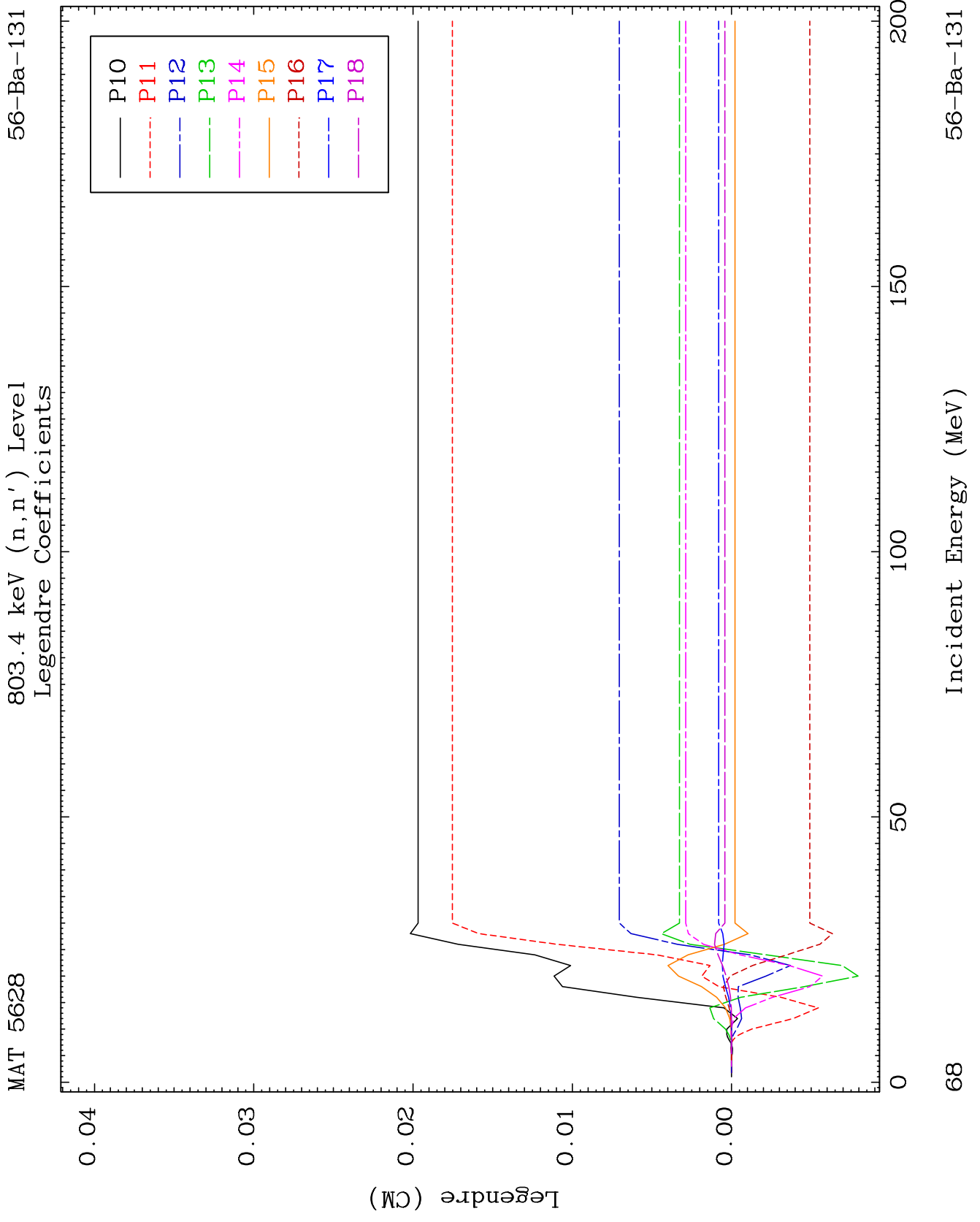


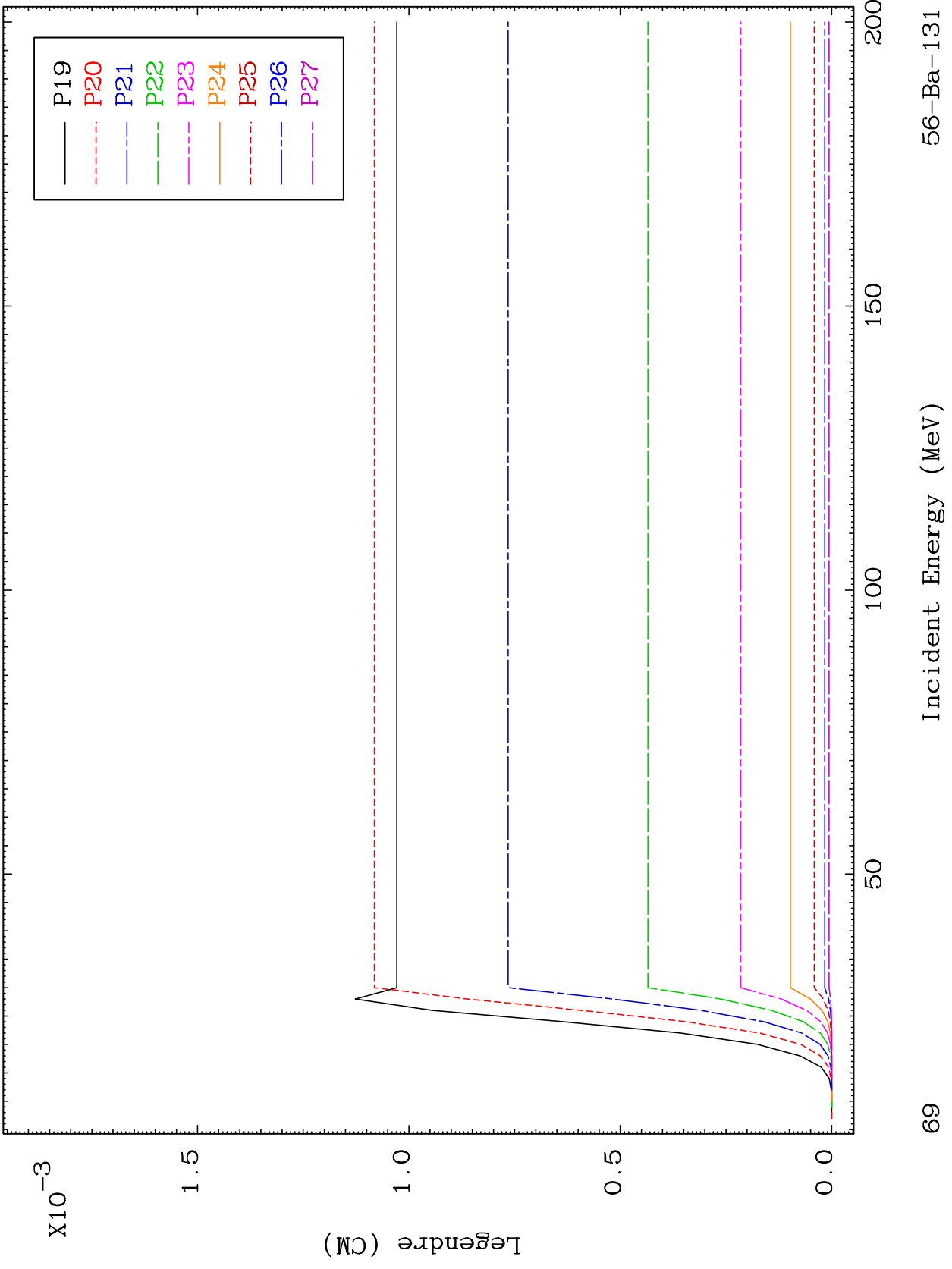








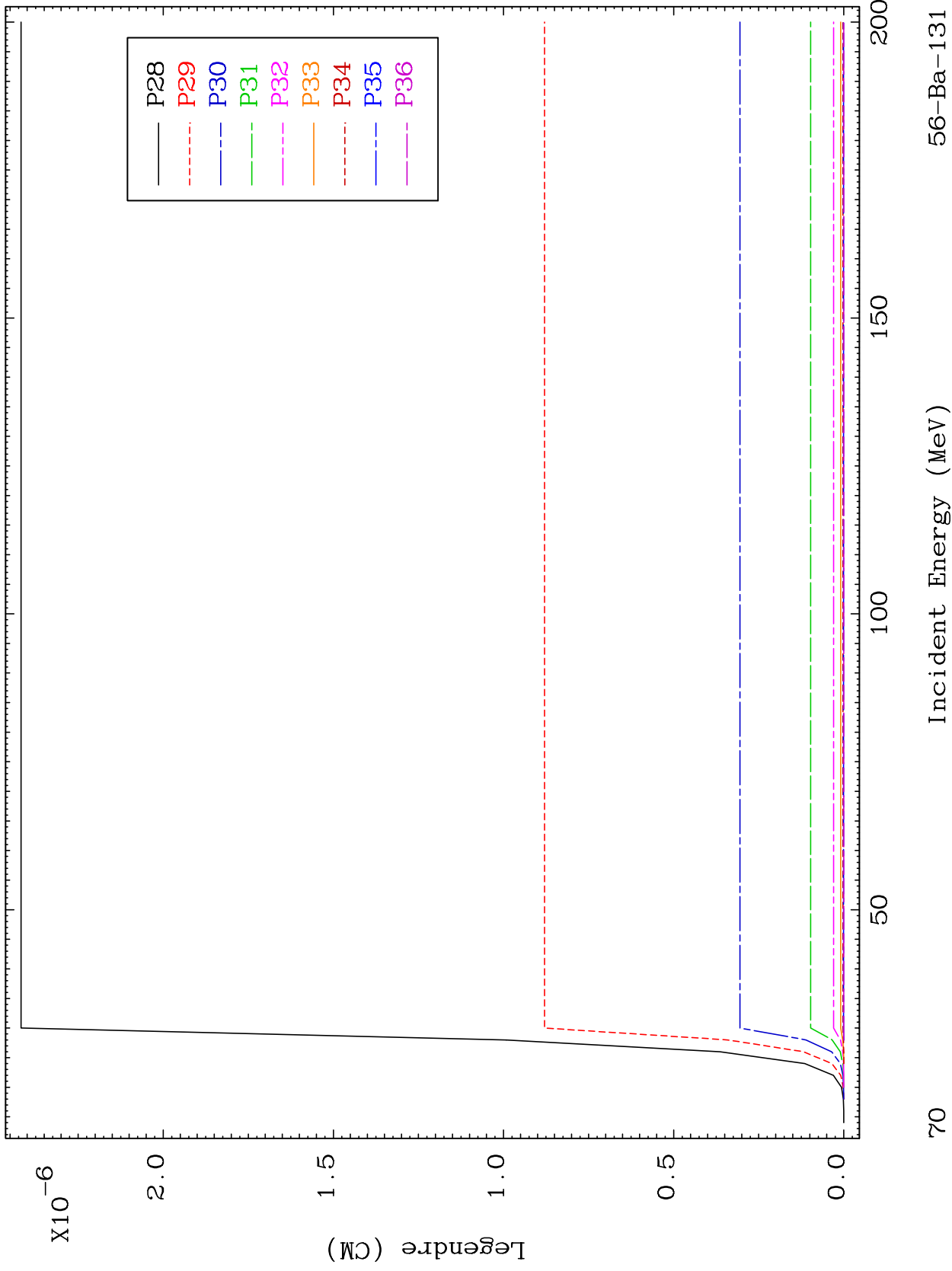




MAT 5628

803.4 keV (n, n') Level  
Legendre Coefficients

56-Ba-131



70

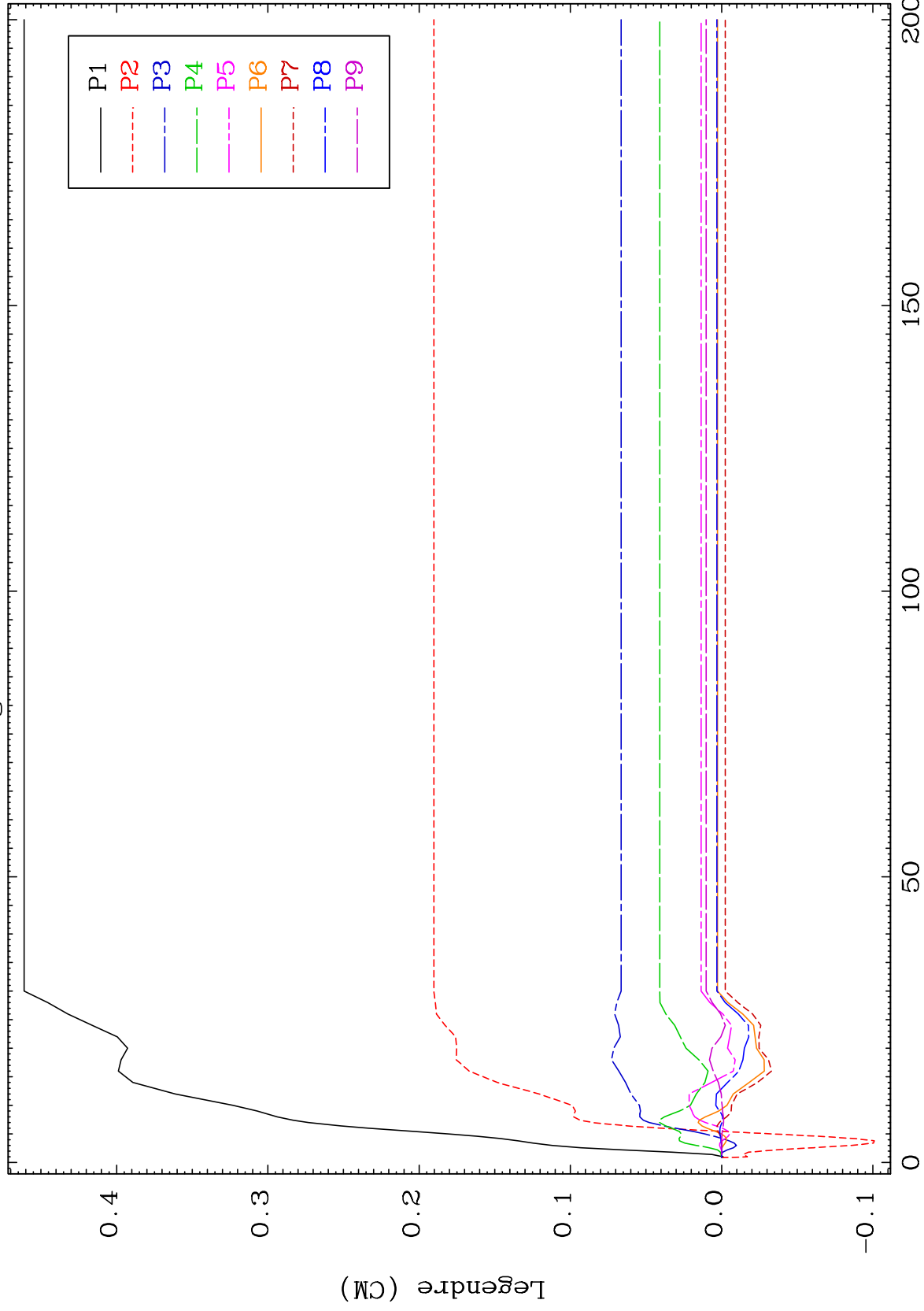
Incident Energy (MeV)

56-Ba-131

MAT 5628

839.0 keV (n,n') Level  
Legendre Coefficients

56-Ba-131



56-Ba-131

Incident Energy (MeV)

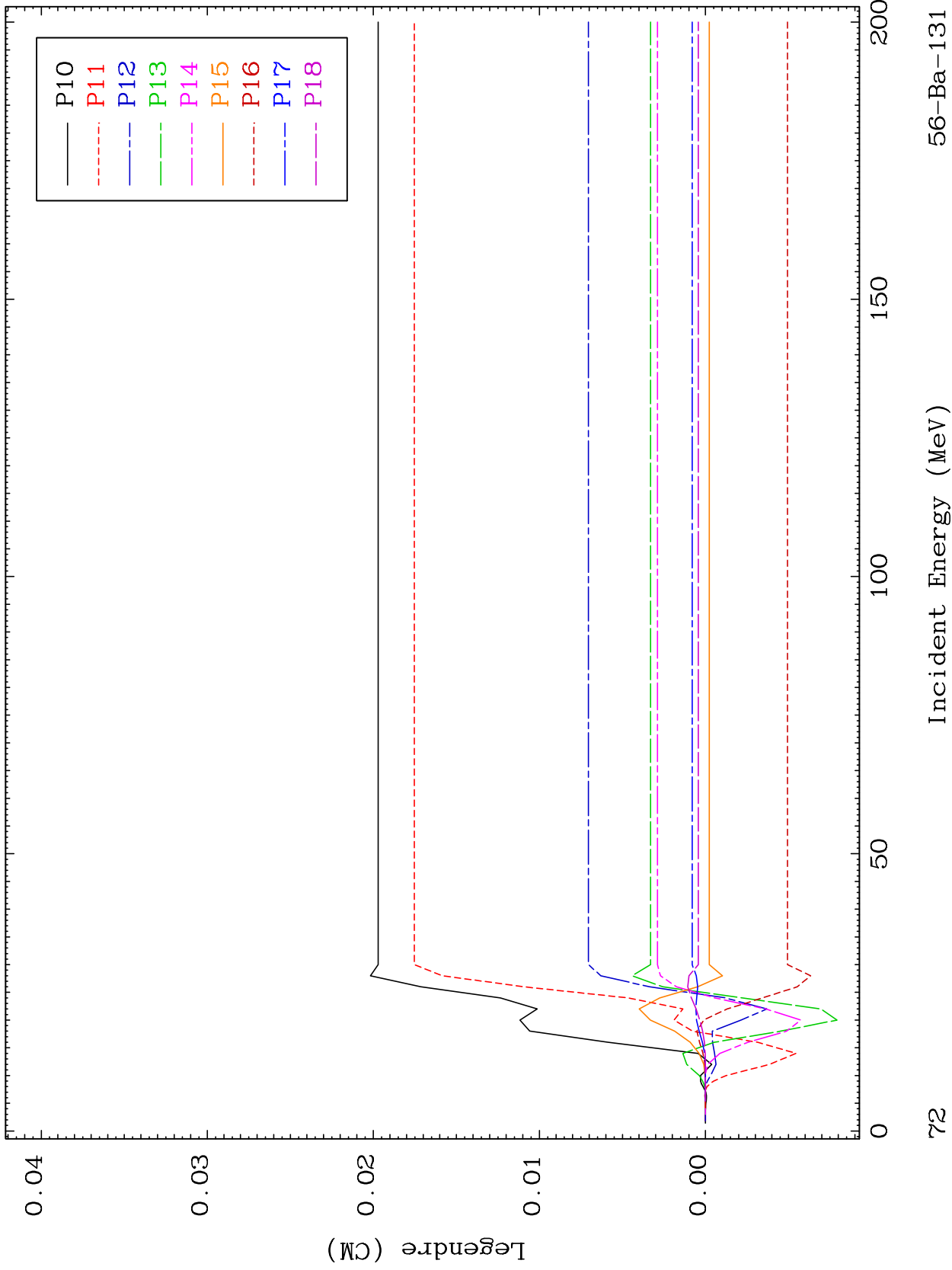
71



MAT 5628

839.0 keV (n,n') Level  
Legendre Coefficients

56-Ba-131



56-Ba-131

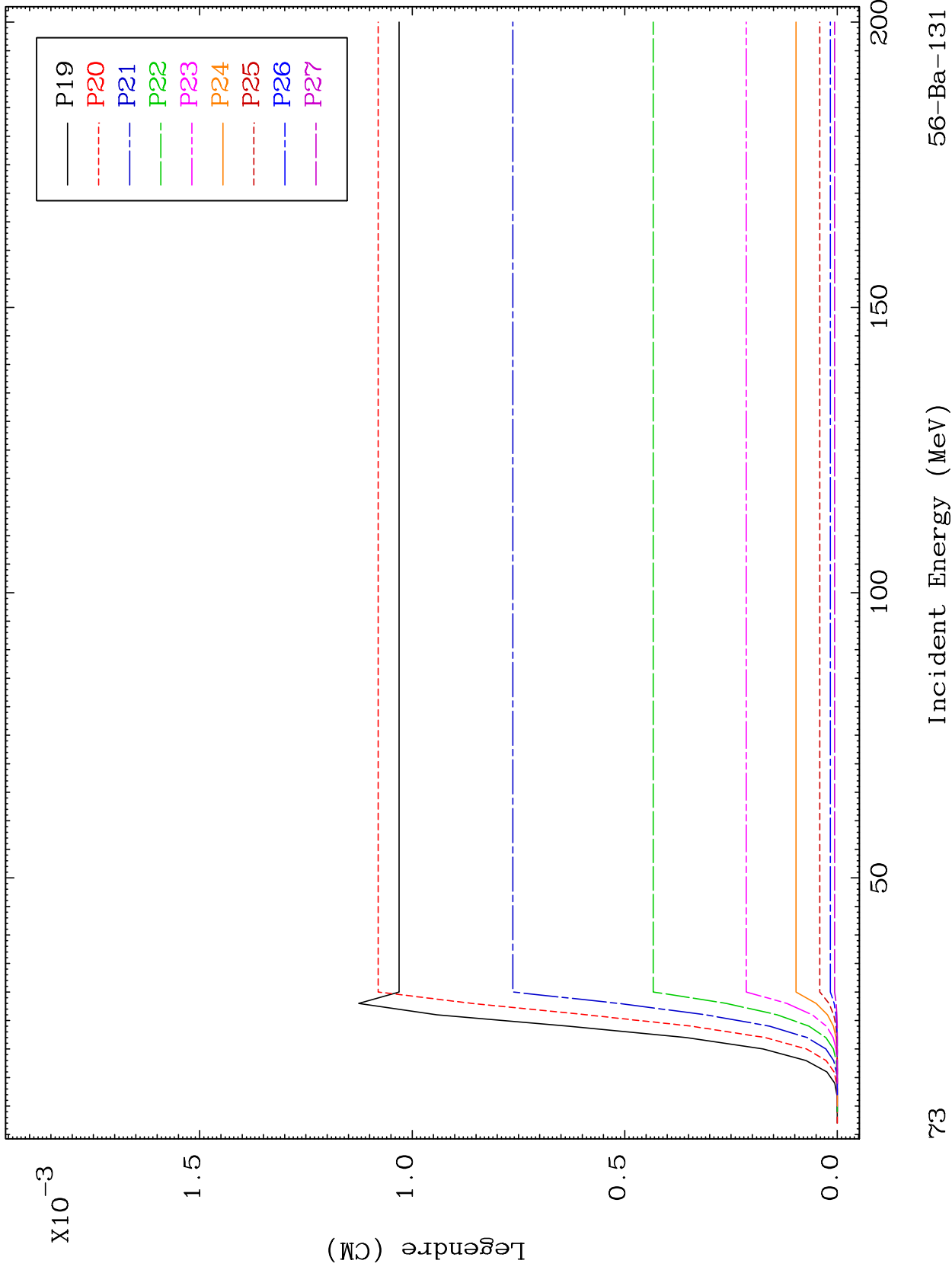
Incident Energy (MeV)

72

MAT 5628

839.0 keV (n,n') Level  
Legendre Coefficients

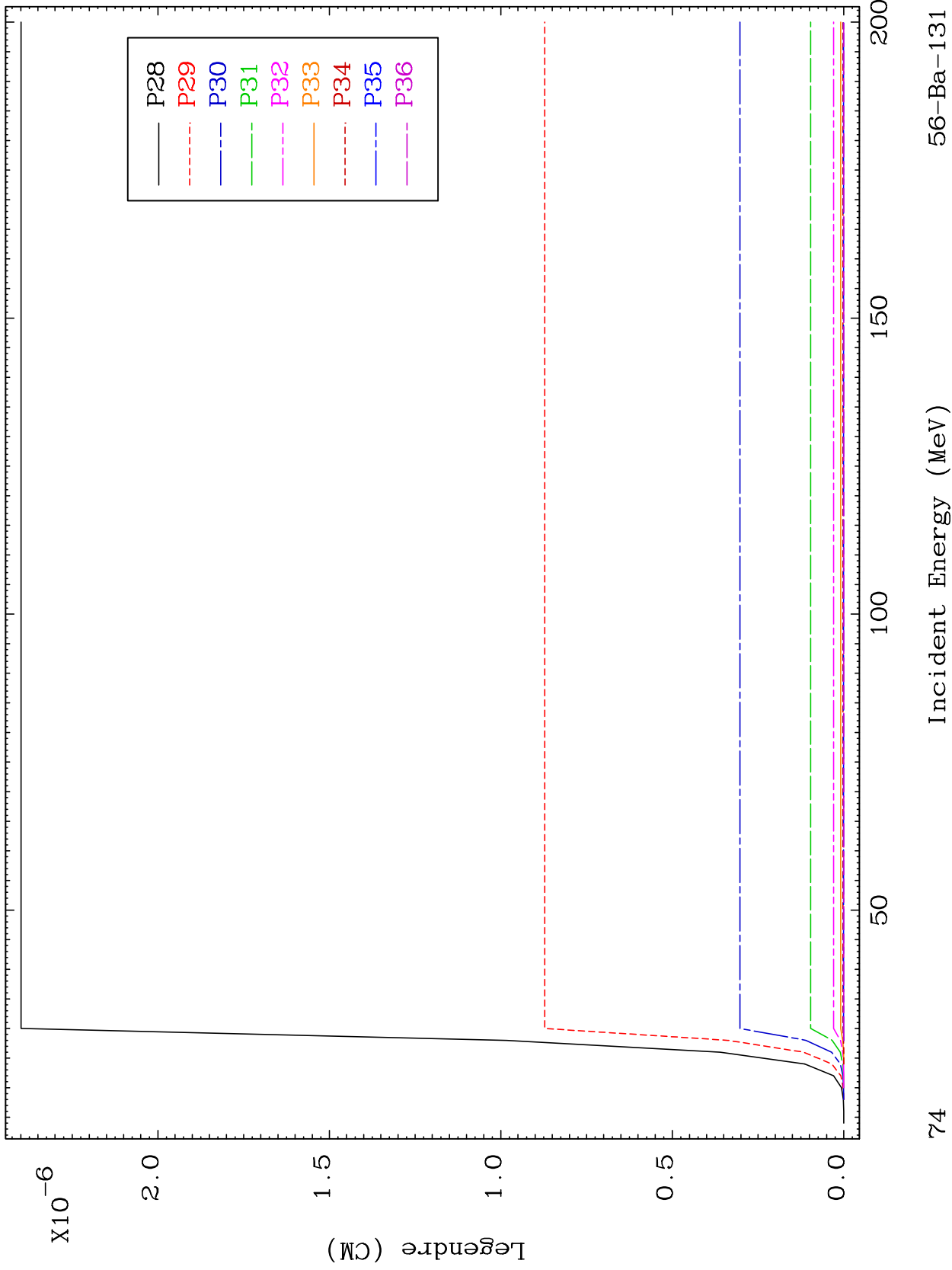
56-Ba-131



MAT 5628

839.0 keV (n,n') Level  
Legendre Coefficients

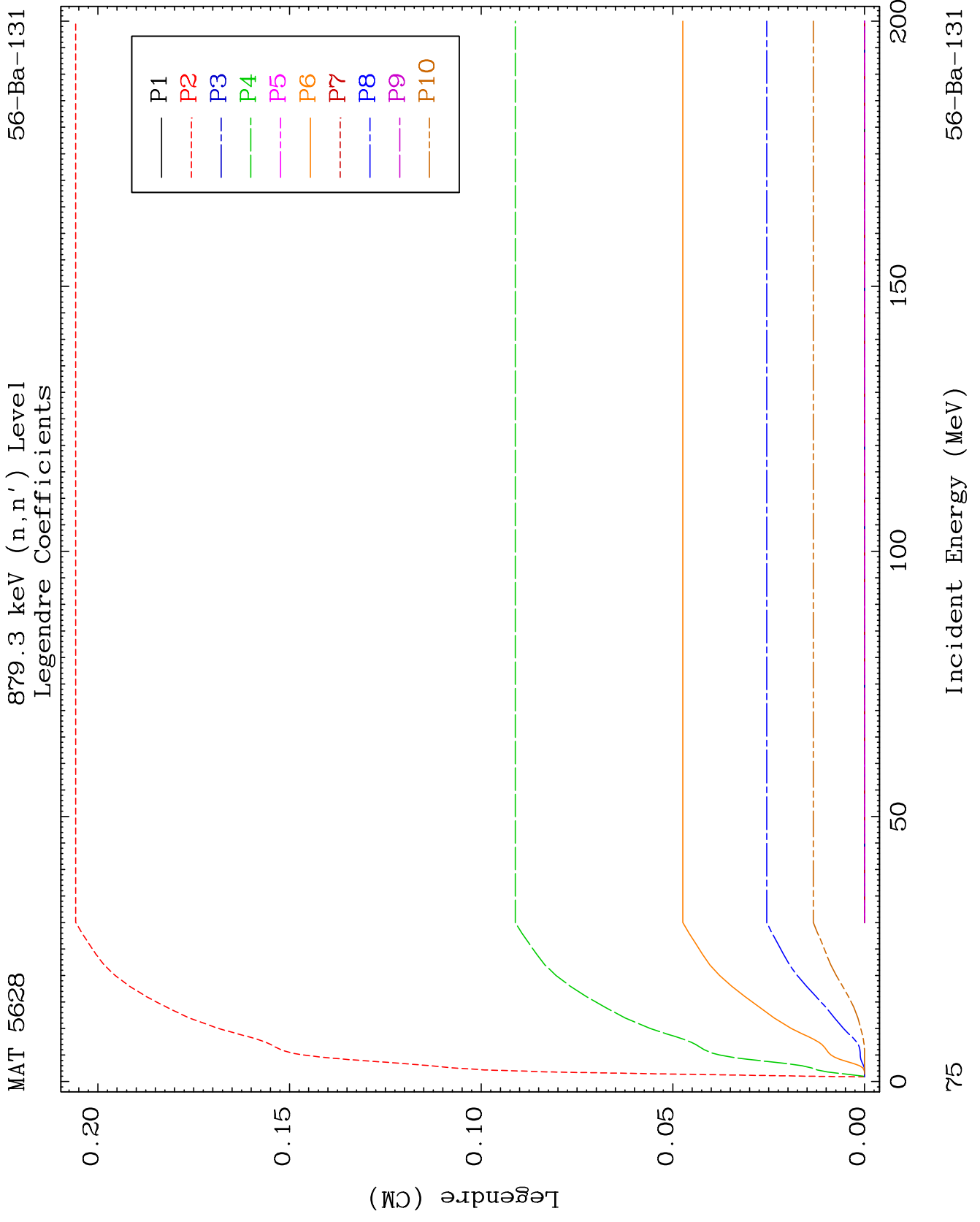
56-Ba-131

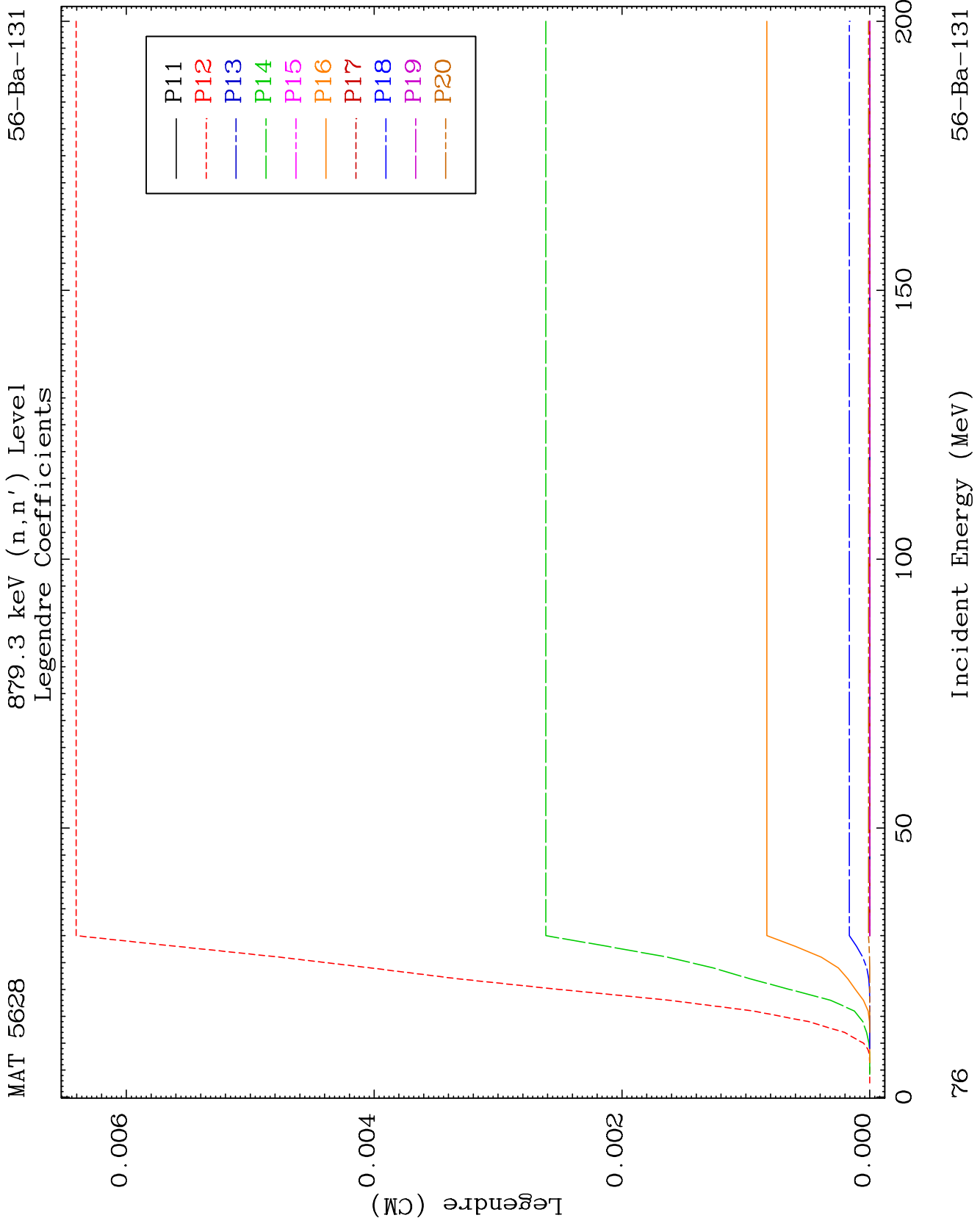


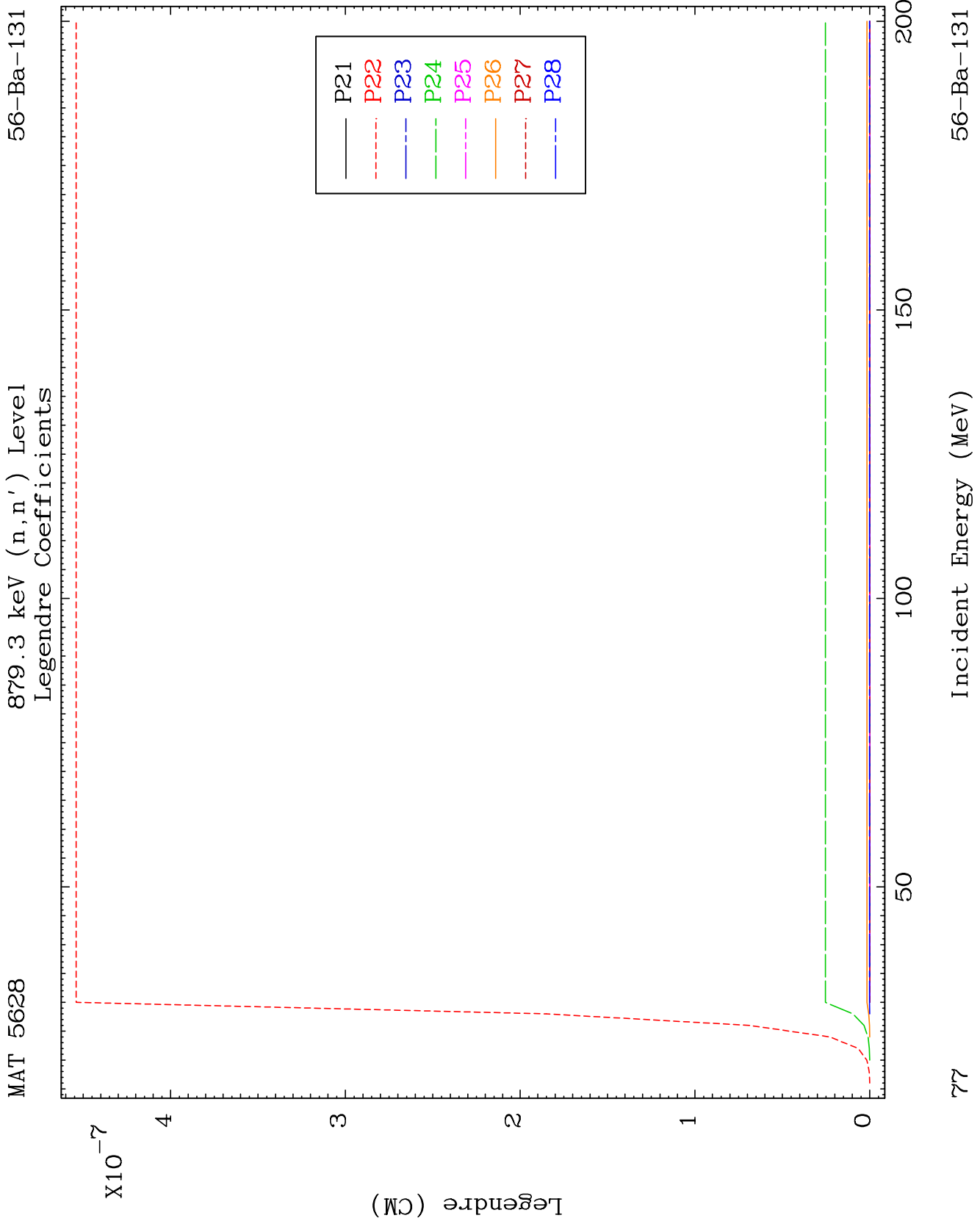
74

Incident Energy (MeV)

56-Ba-131



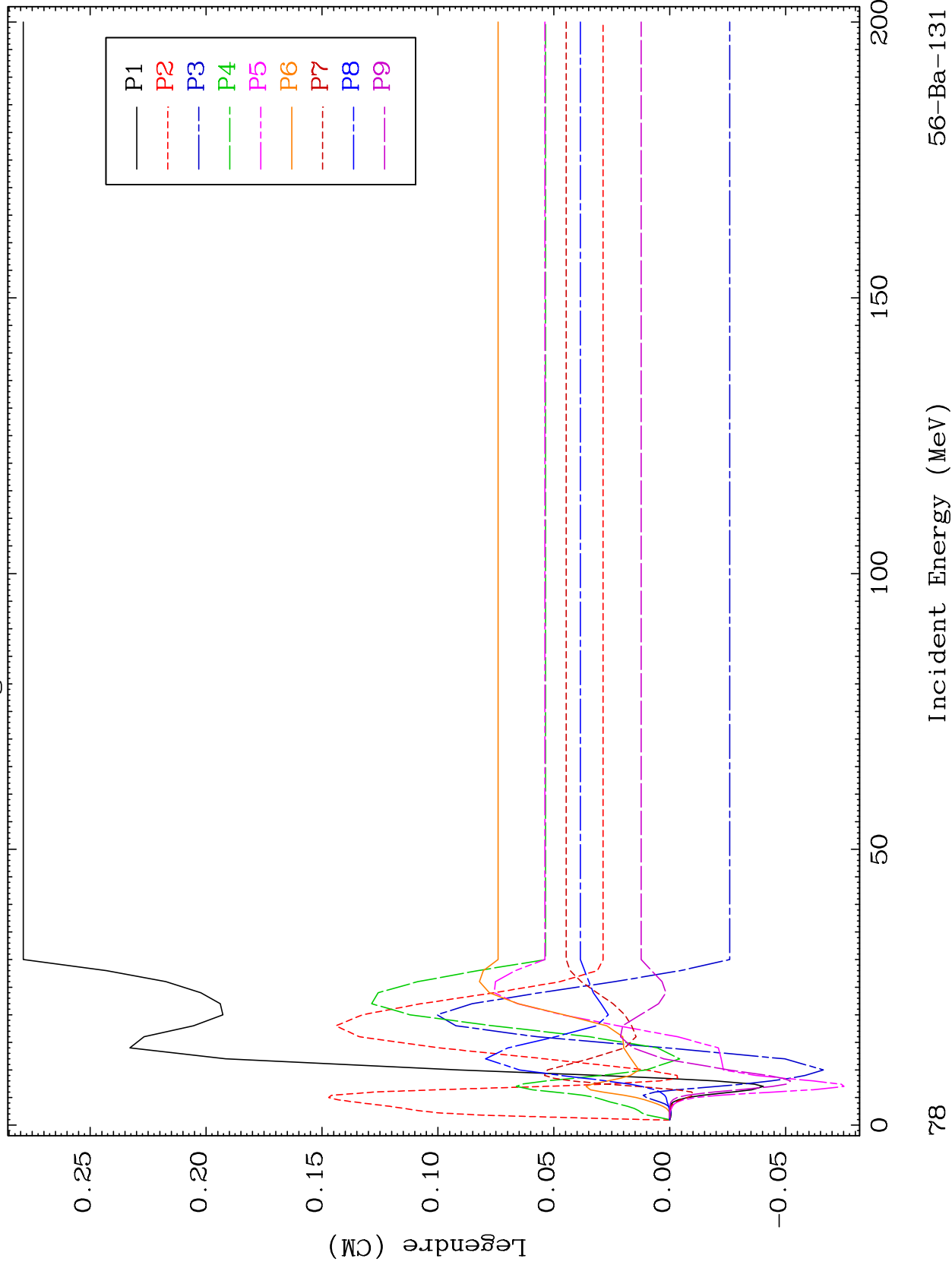




MAT 5628

895.0 keV (n,n') Level  
Legendre Coefficients

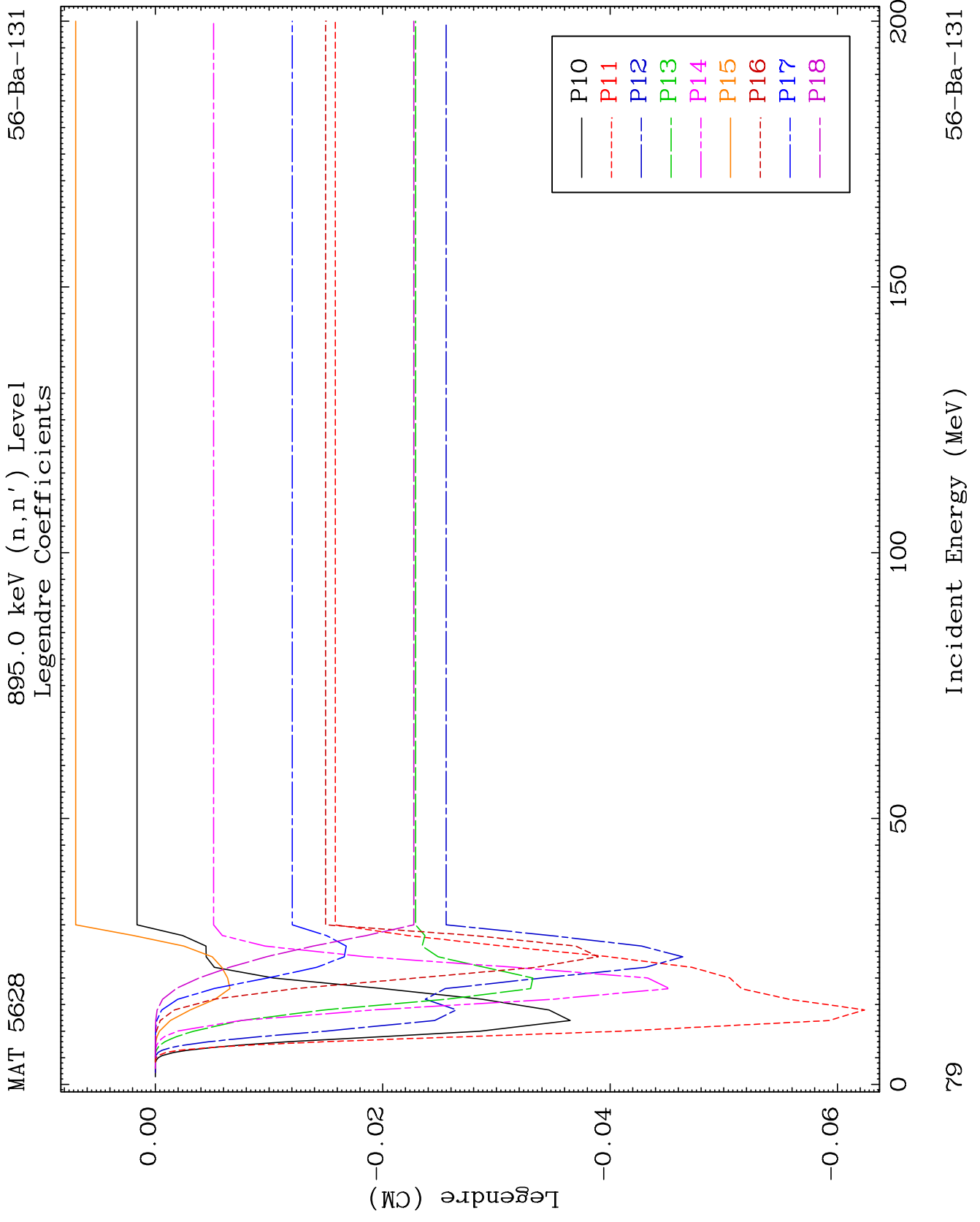
56-Ba-131



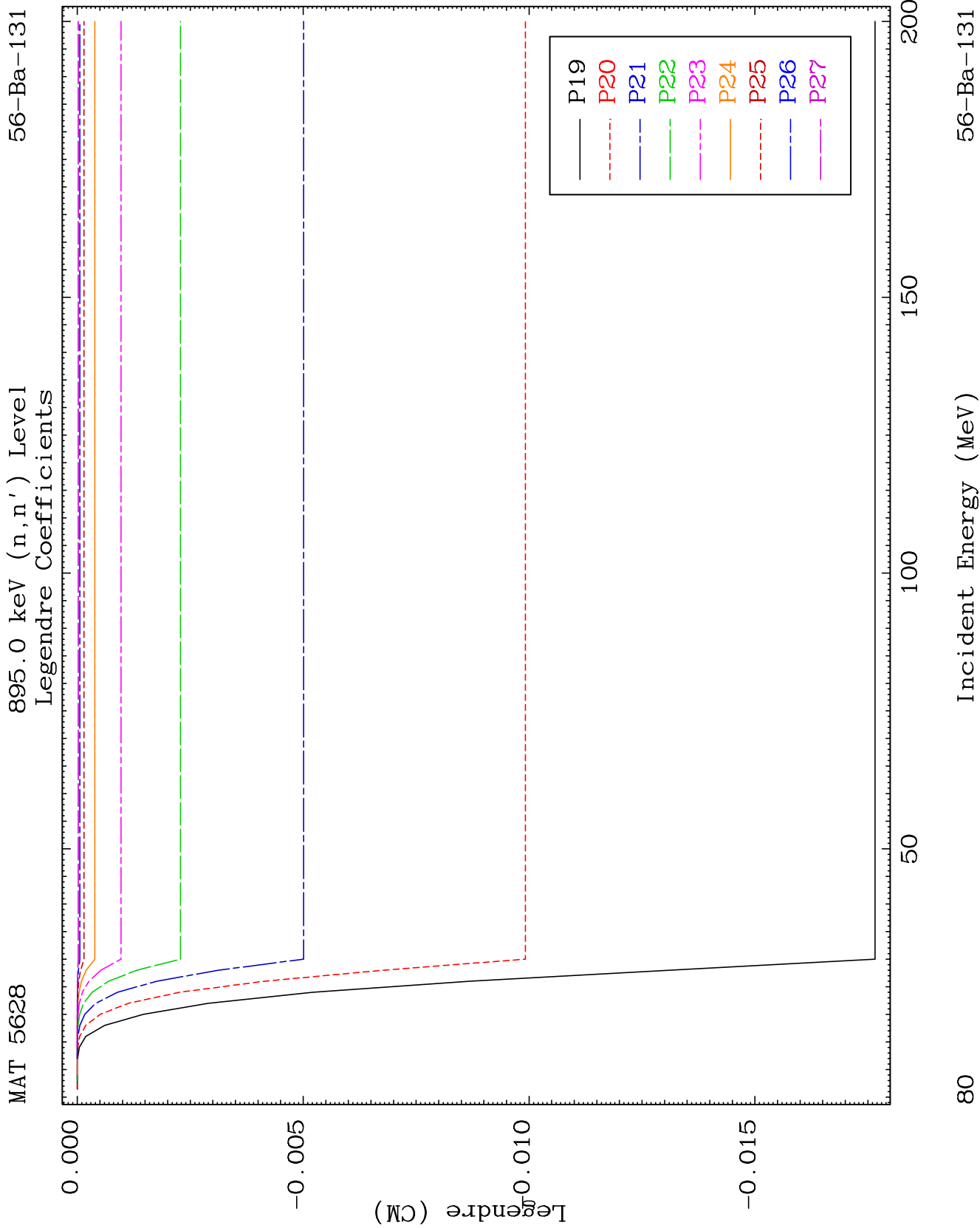
56-Ba-131

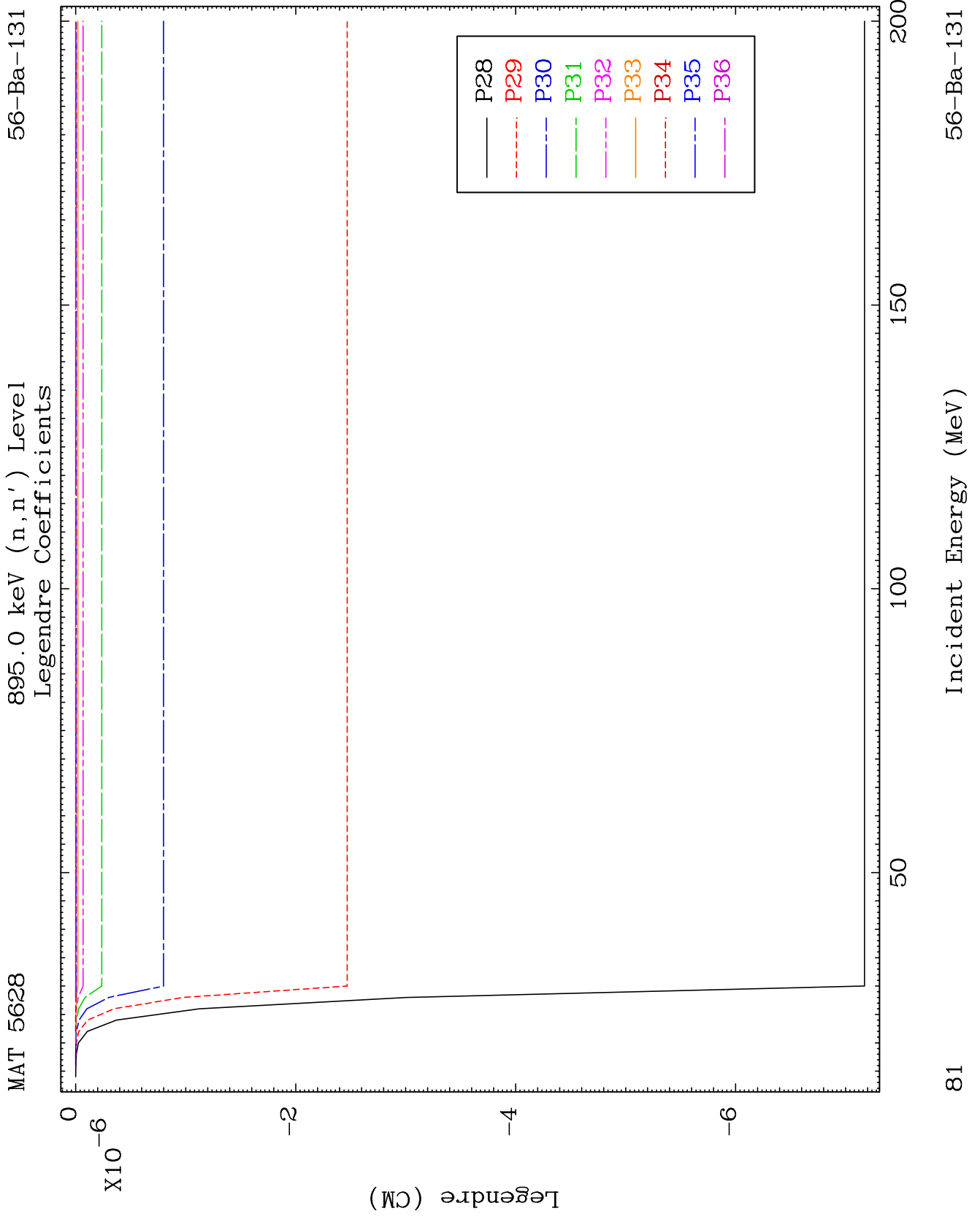
Incident Energy (MeV)

78

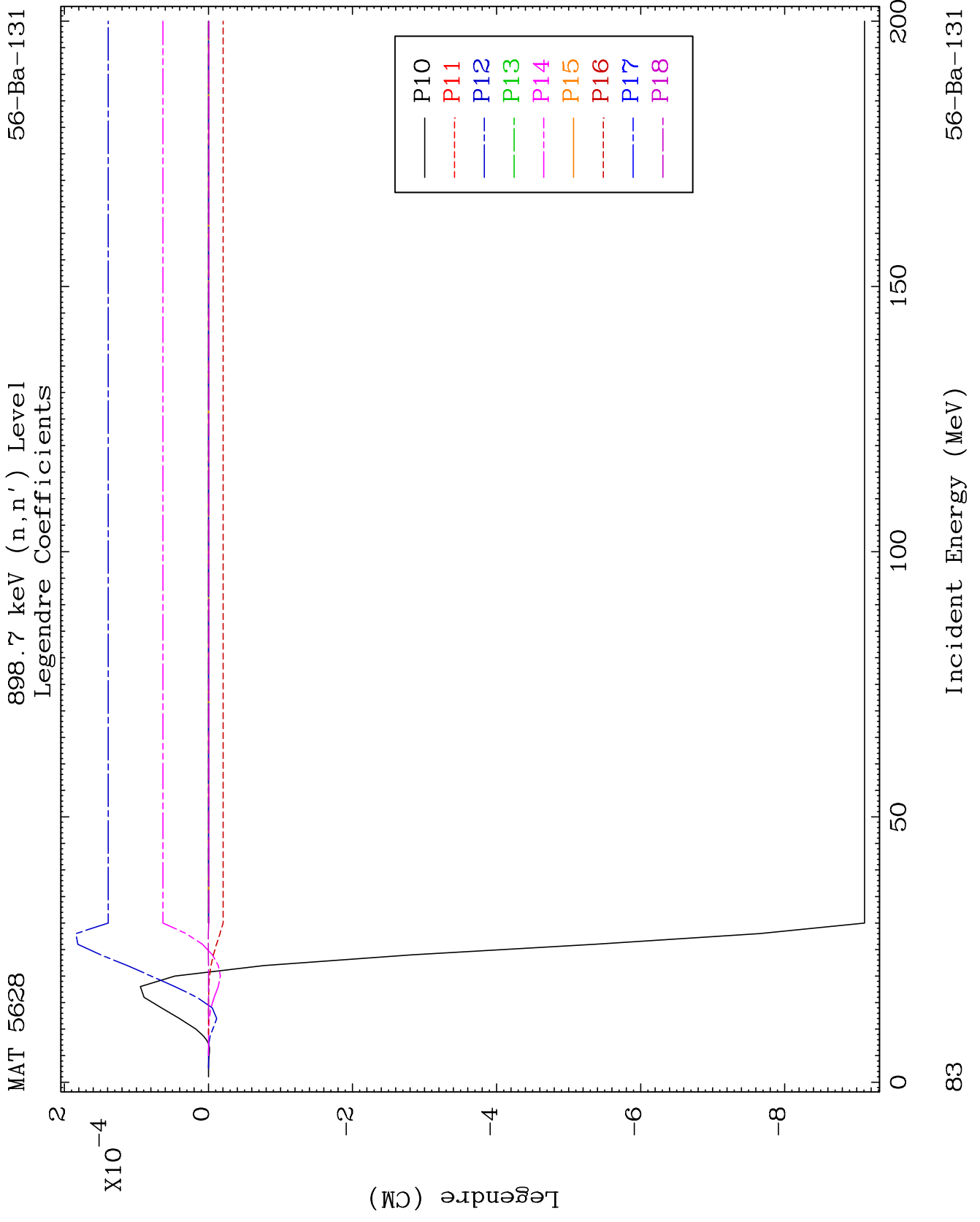


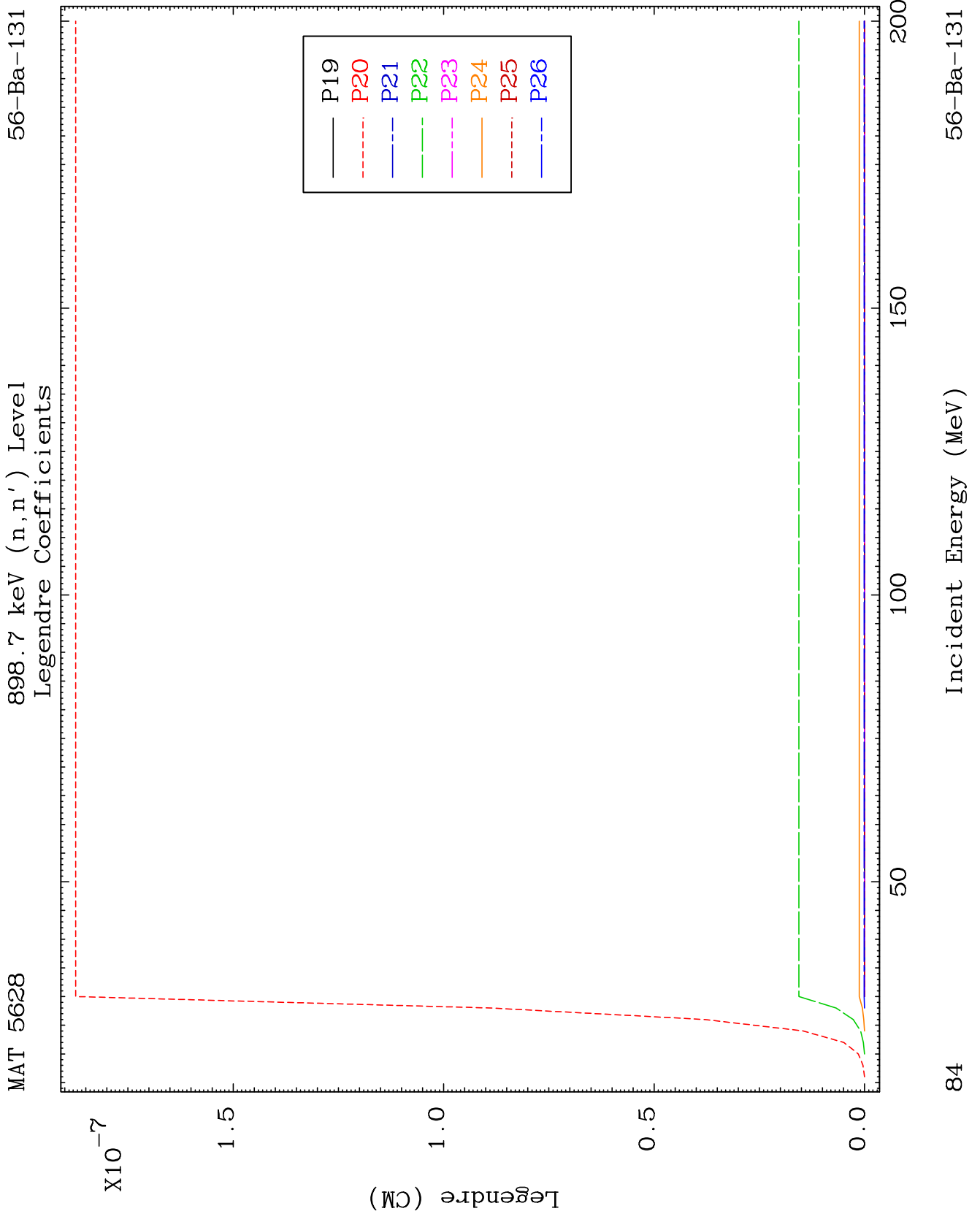








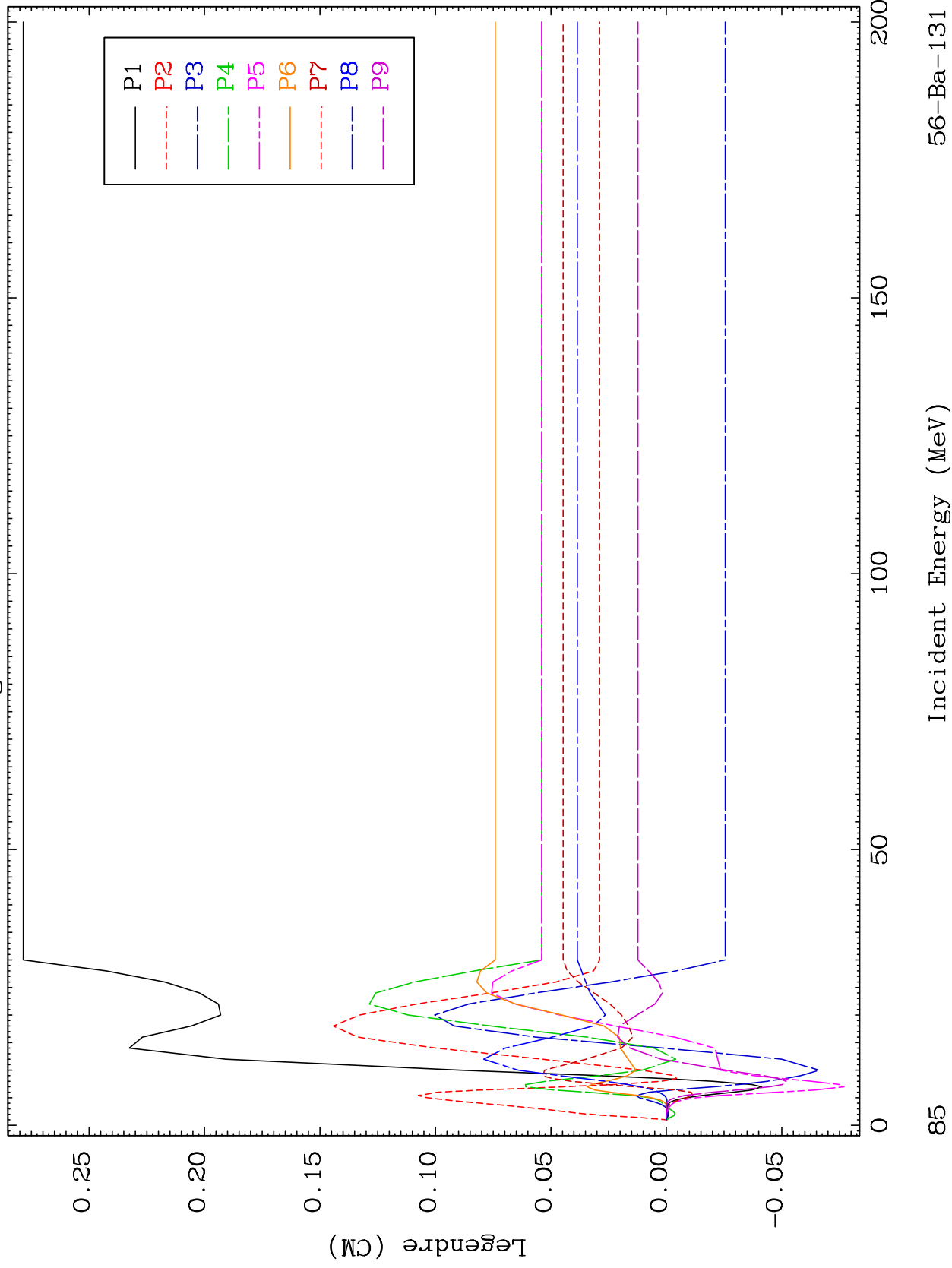


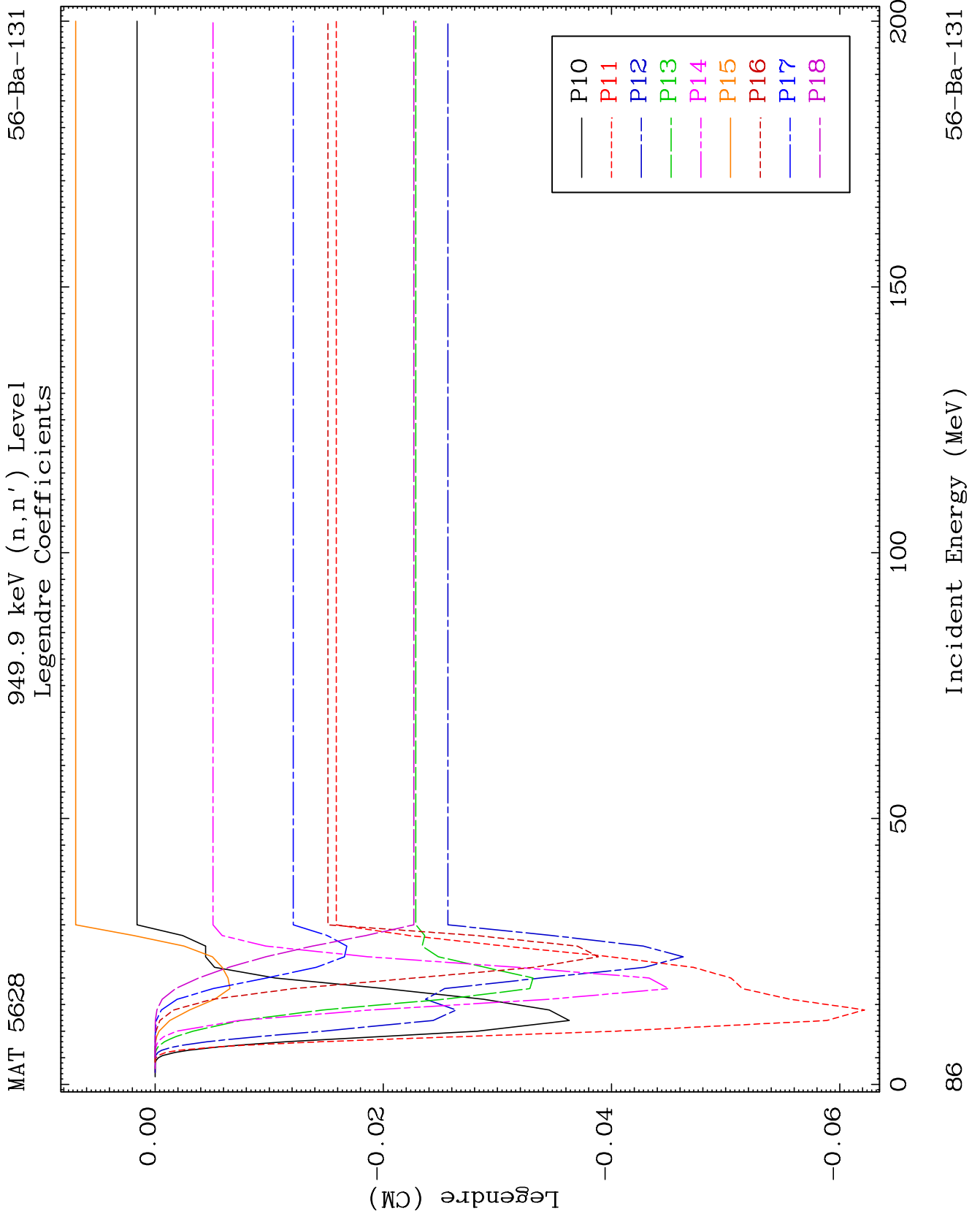


MAT 5628

949.9 keV (n,n') Level  
Legendre Coefficients

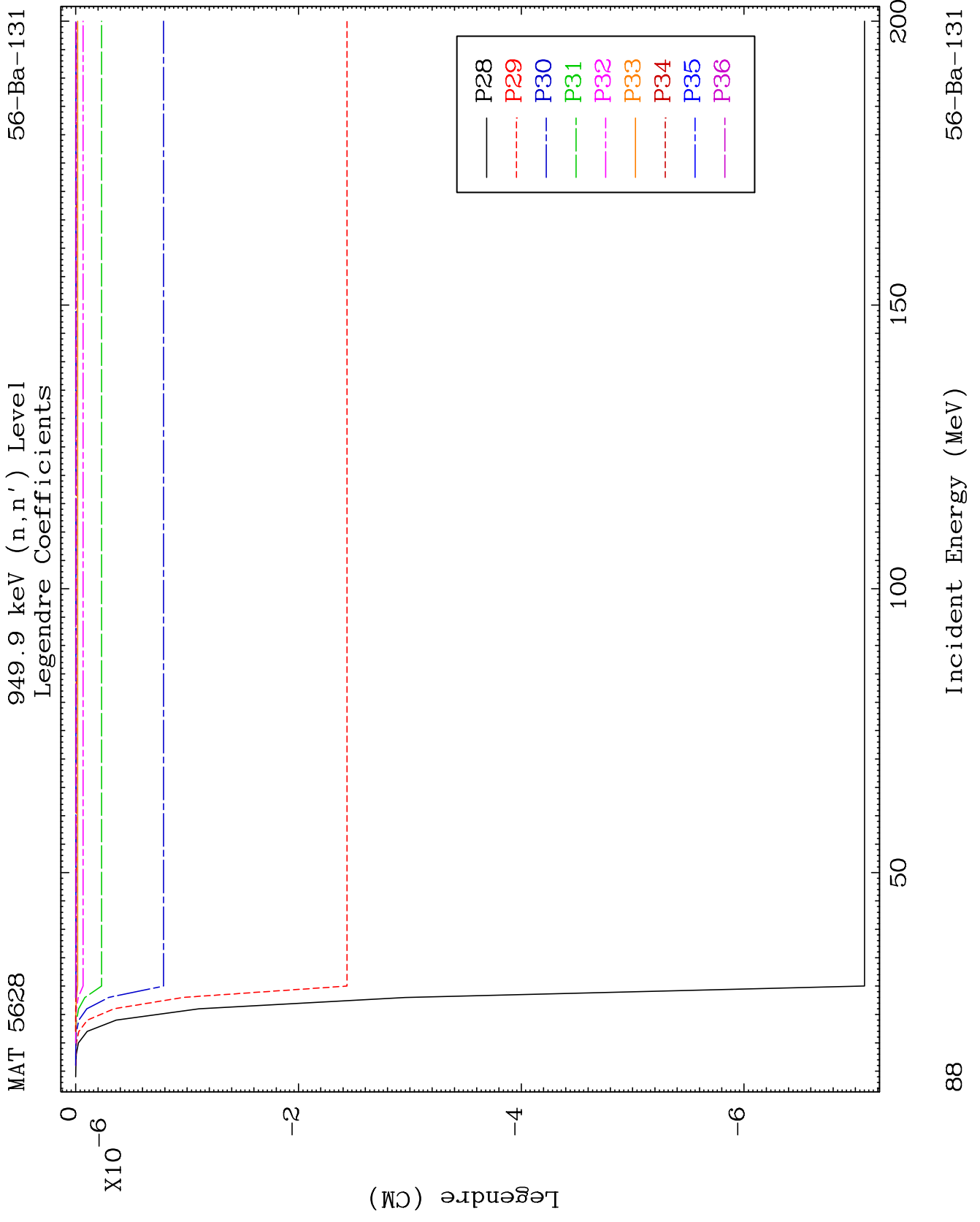
56-Ba-131

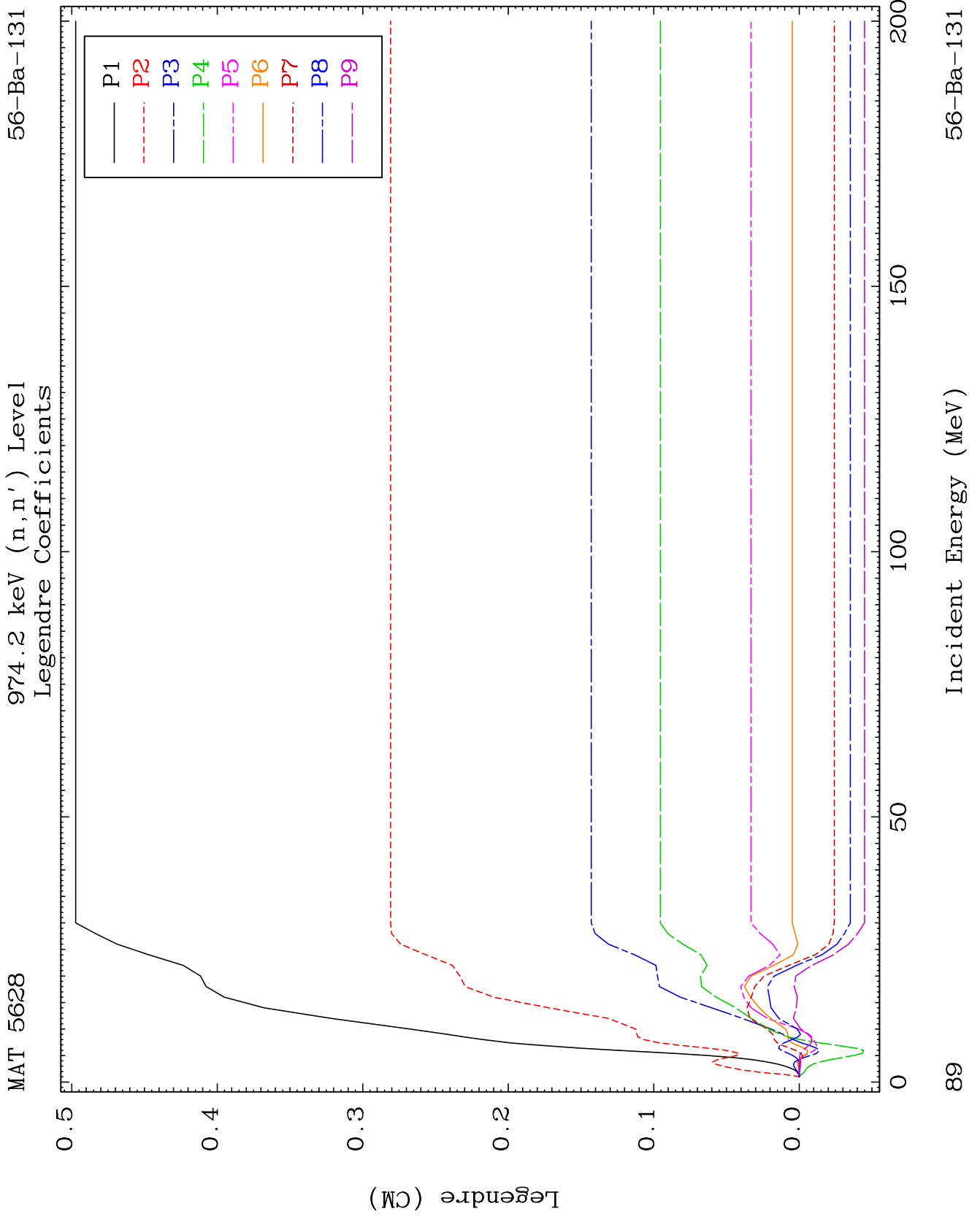








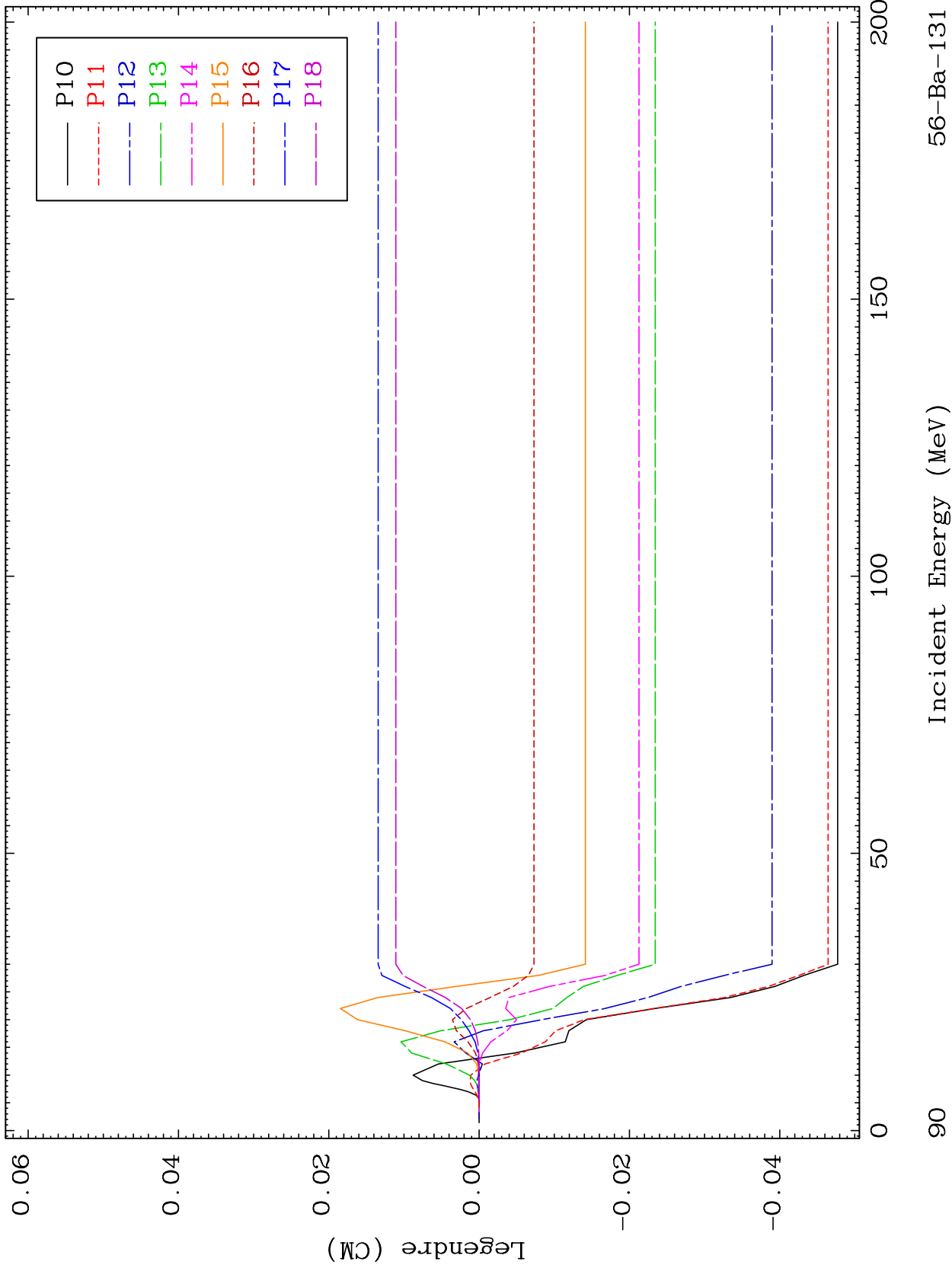




MAT 5628

974.2 keV (n, n') Level  
Legendre Coefficients

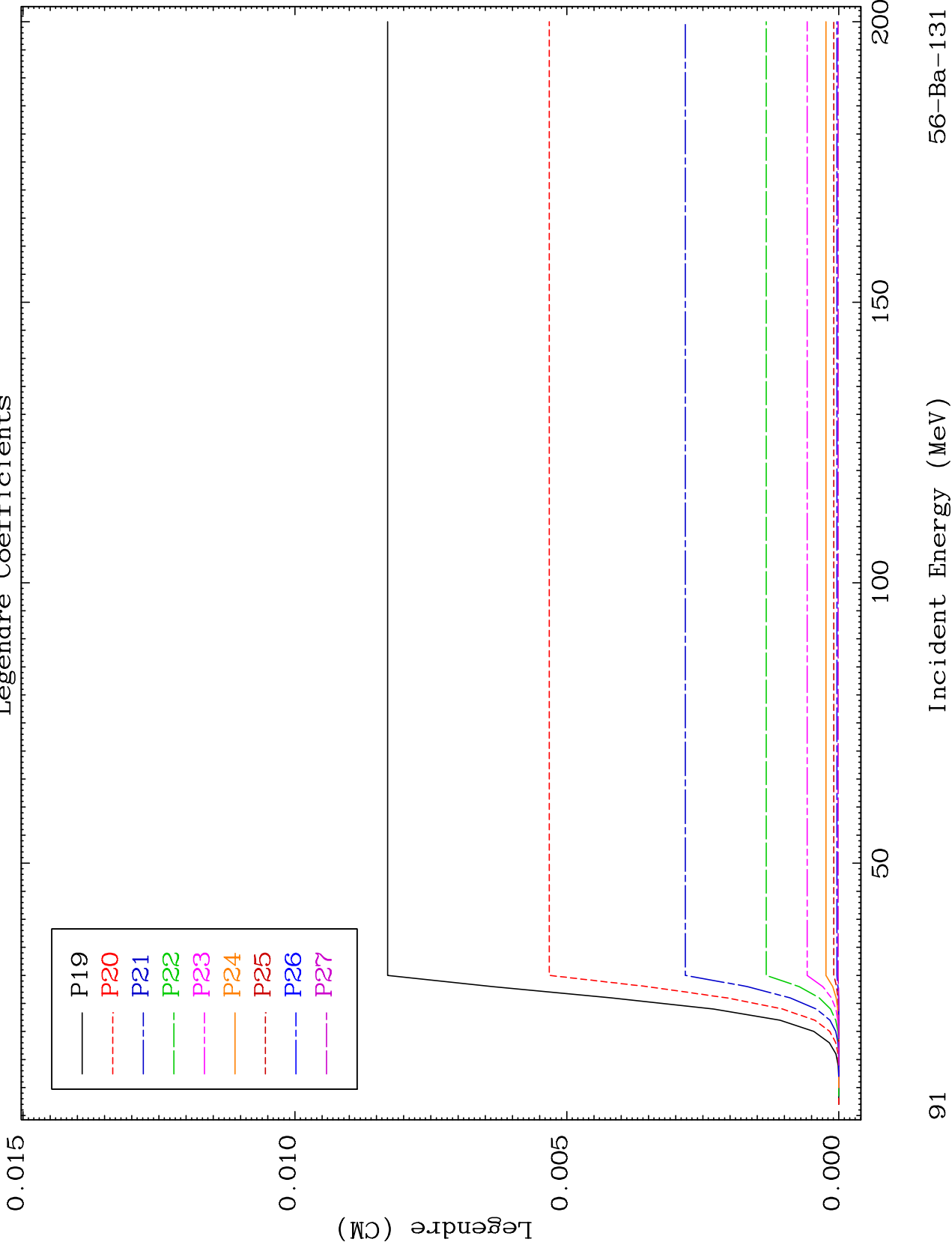
56-Ba-131



MAT 5628

974.2 keV (n,n') Level  
Legendre Coefficients

56-Ba-131



91

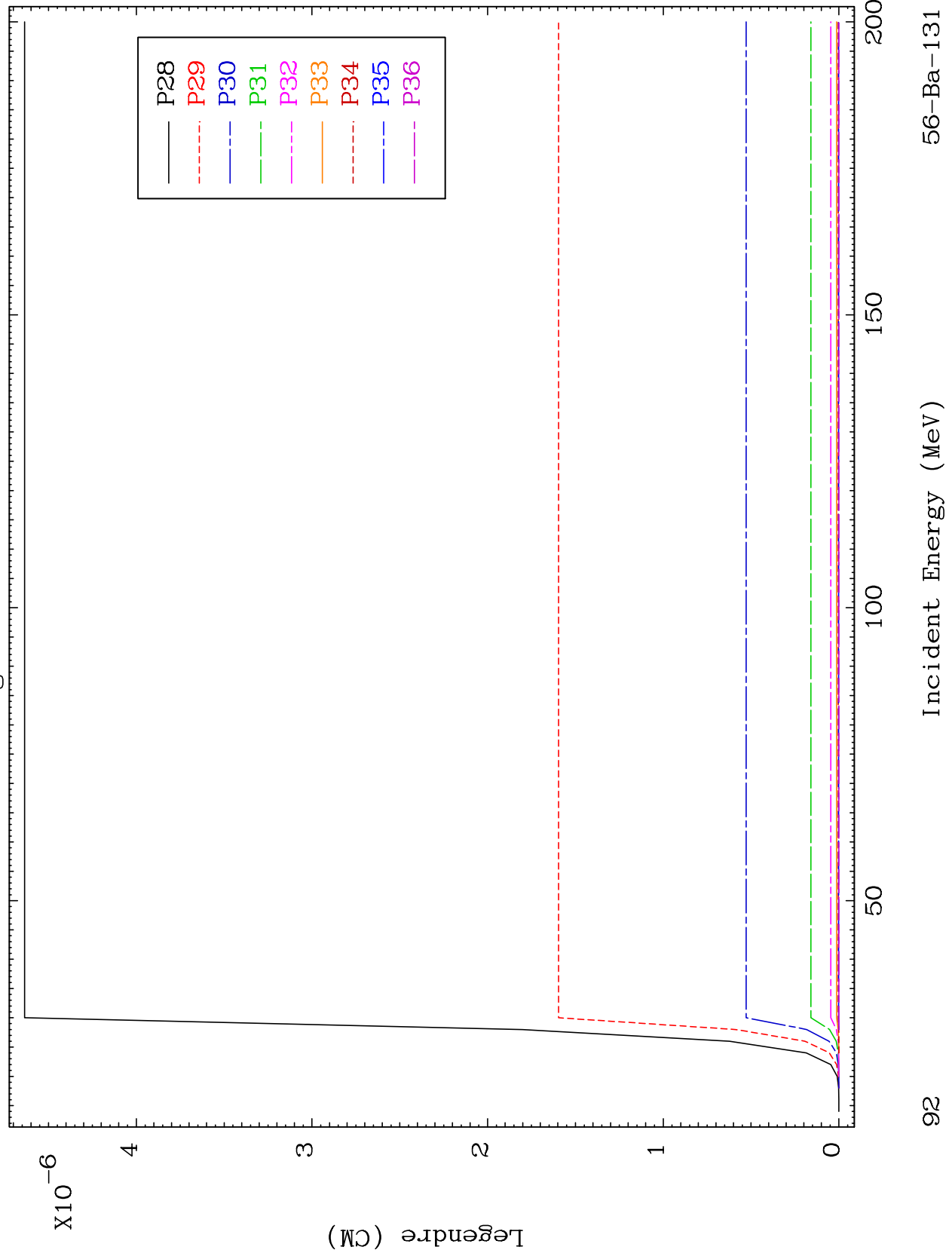
Incident Energy (MeV)

56-Ba-131

MAT 5628

974.2 keV (n, n') Level  
Legendre Coefficients

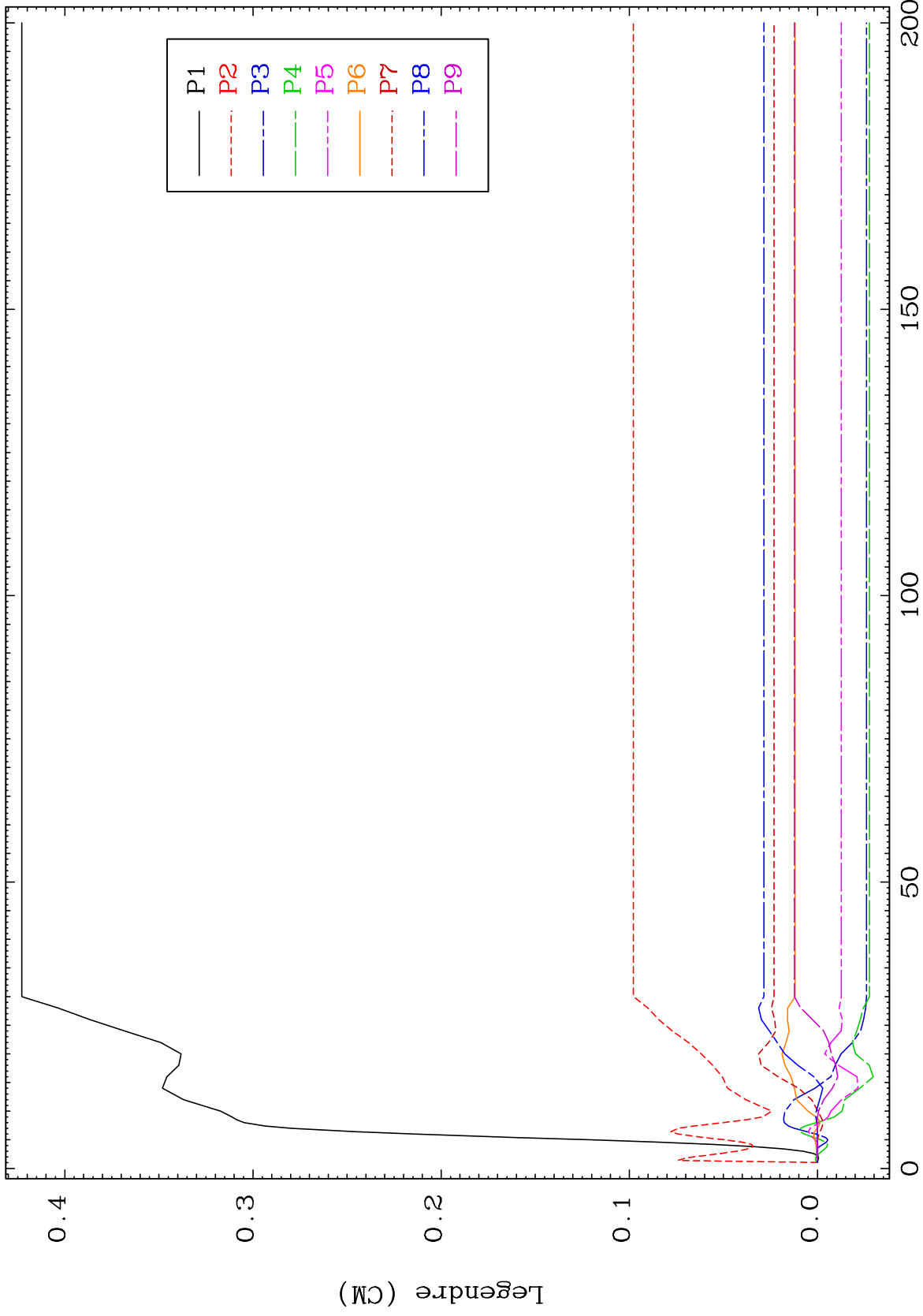
56-Ba-131



MAT 5628

1.031 MeV (n,n') Level  
Legendre Coefficients

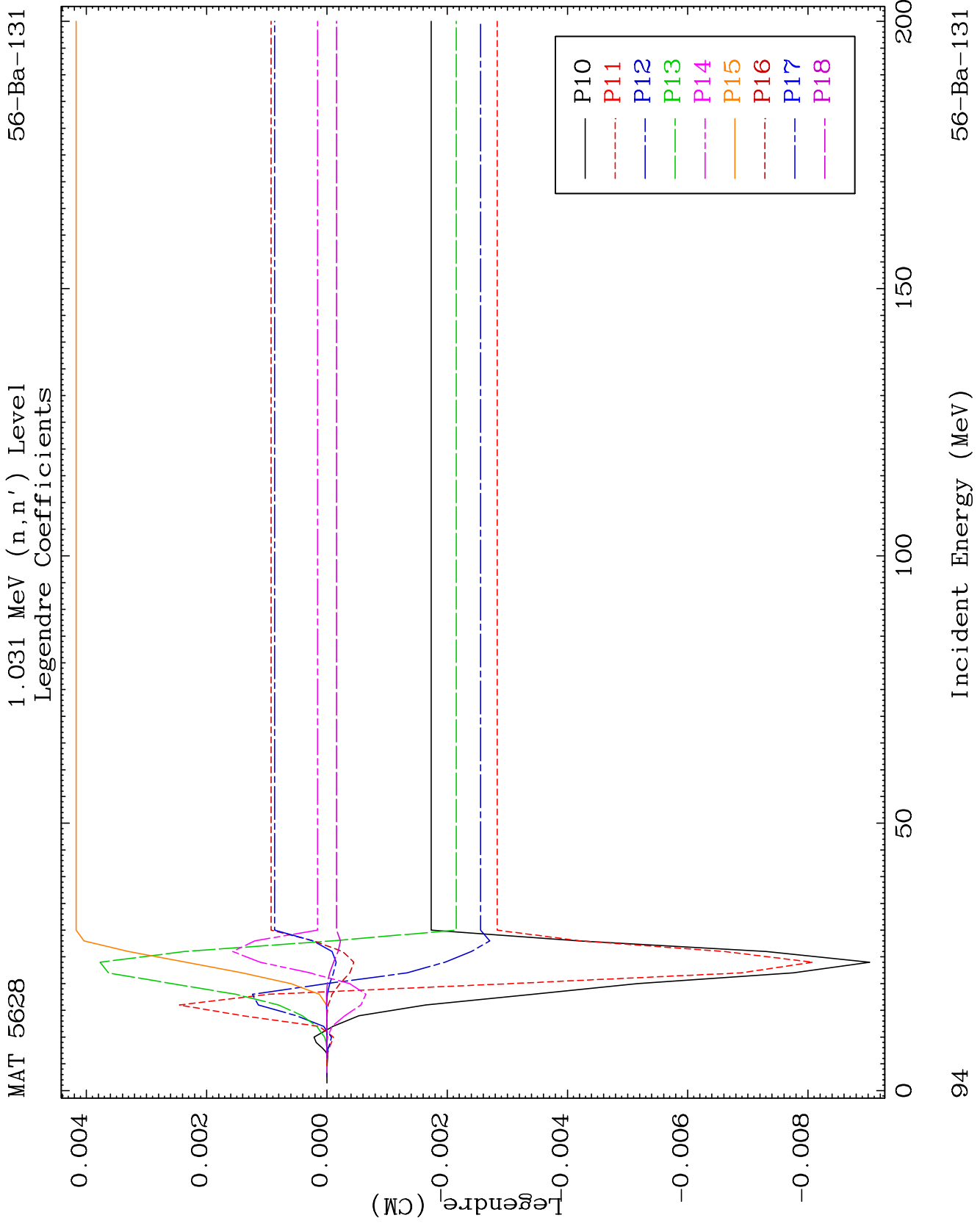
56-Ba-131

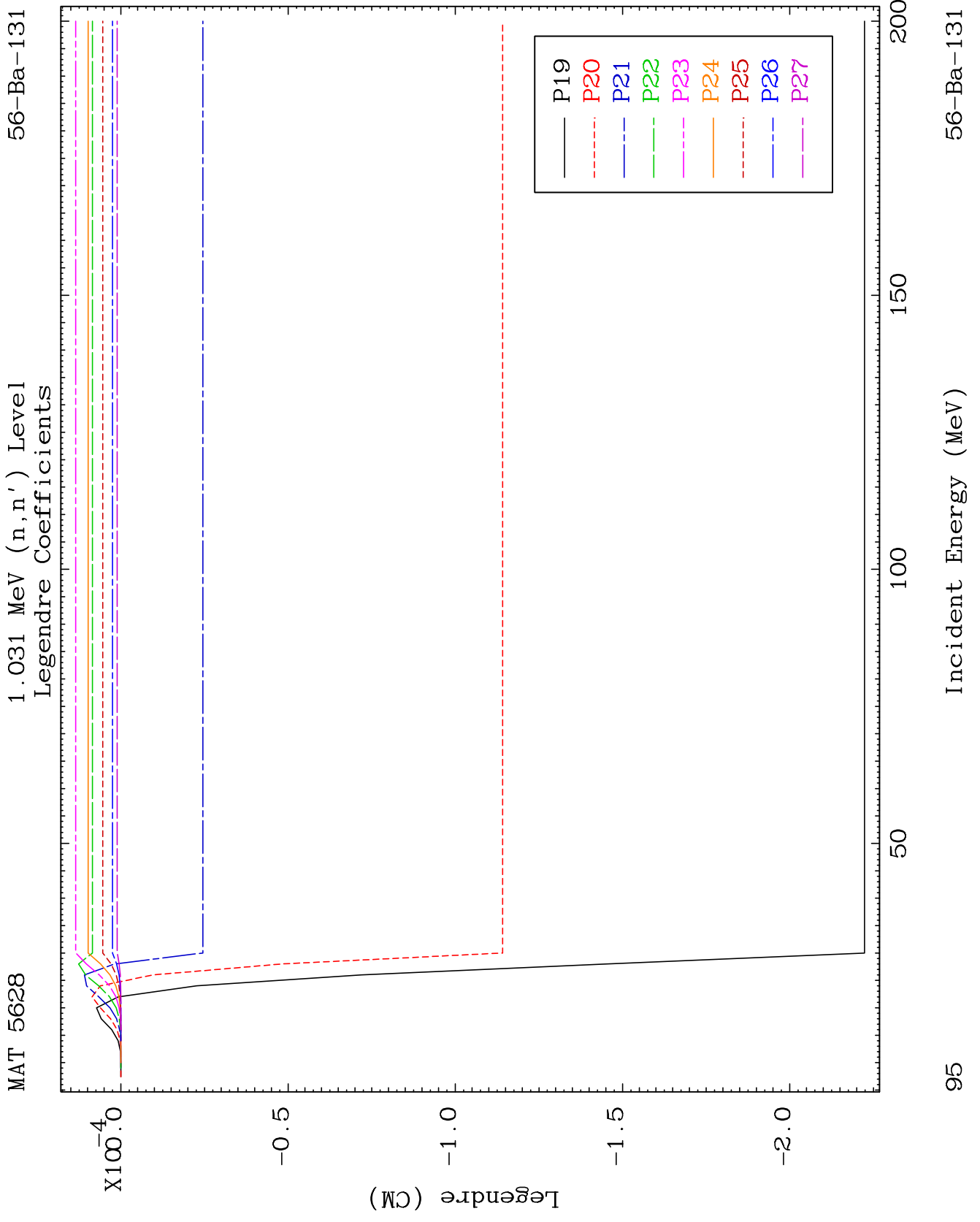


93

Incident Energy (MeV)

56-Ba-131



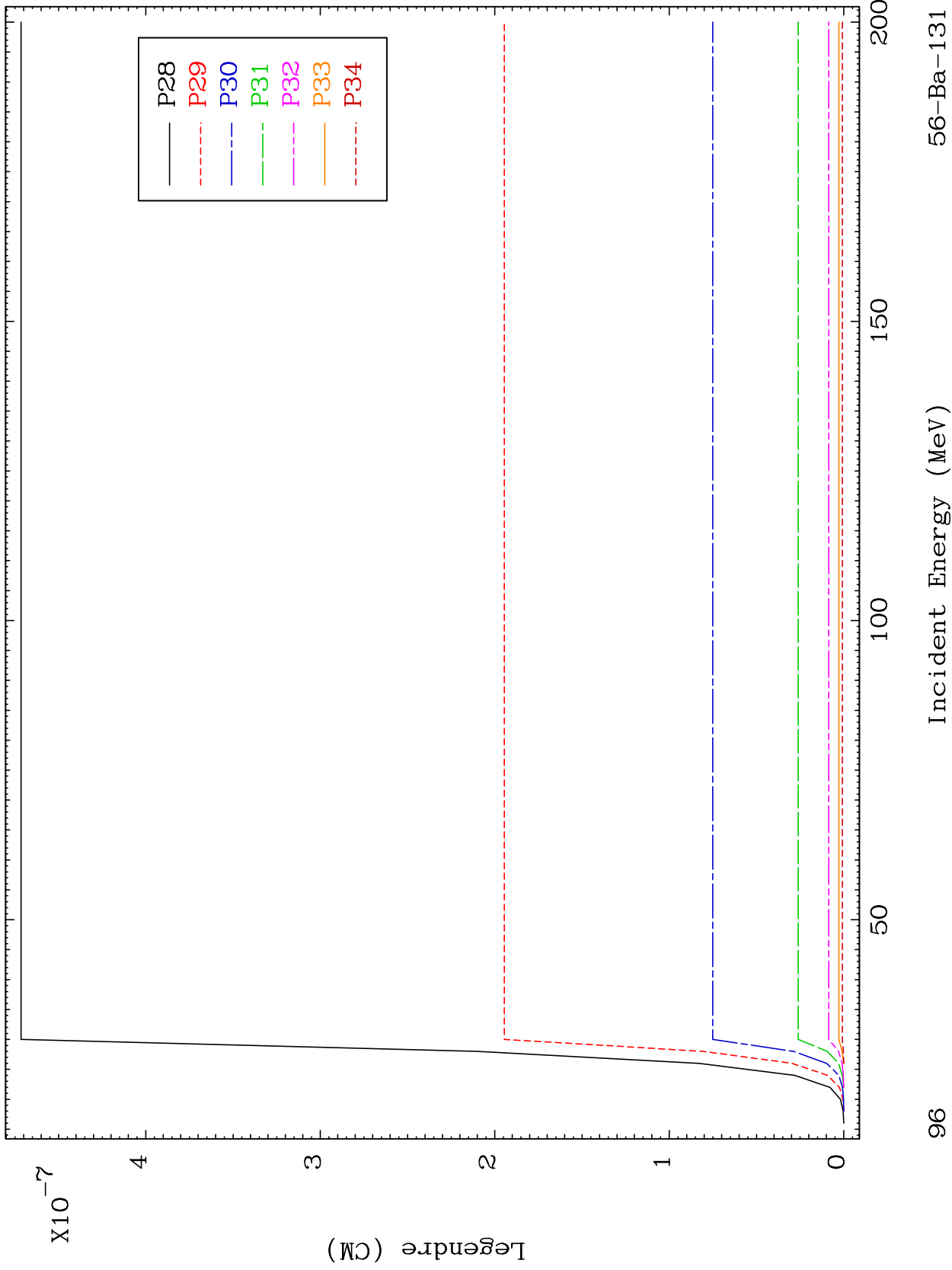




MAT 5628

1.031 MeV (n,n') Level  
Legendre Coefficients

56-Ba-131

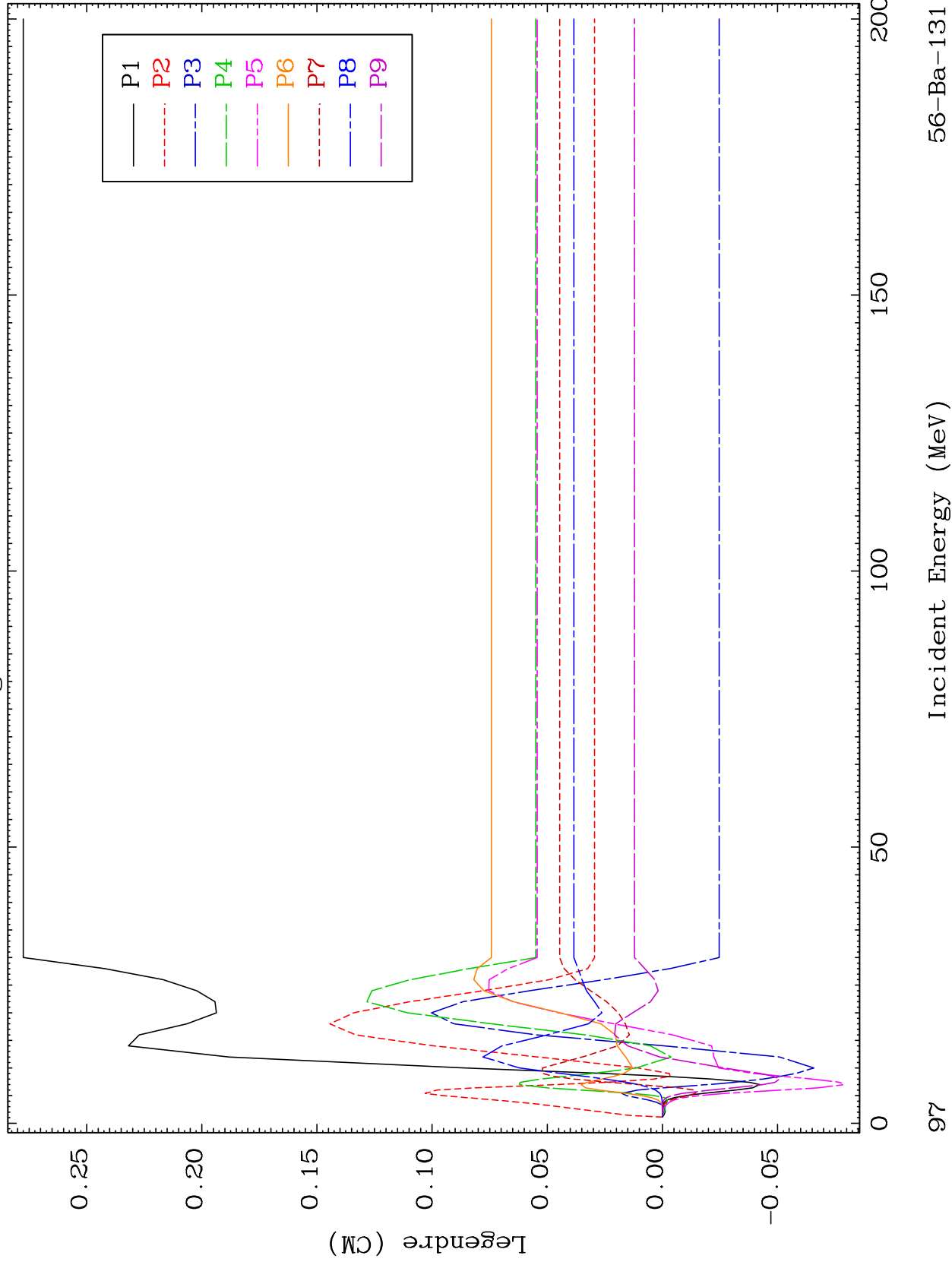


96

MAT 5628

1.100 MeV (n,n') Level  
Legendre Coefficients

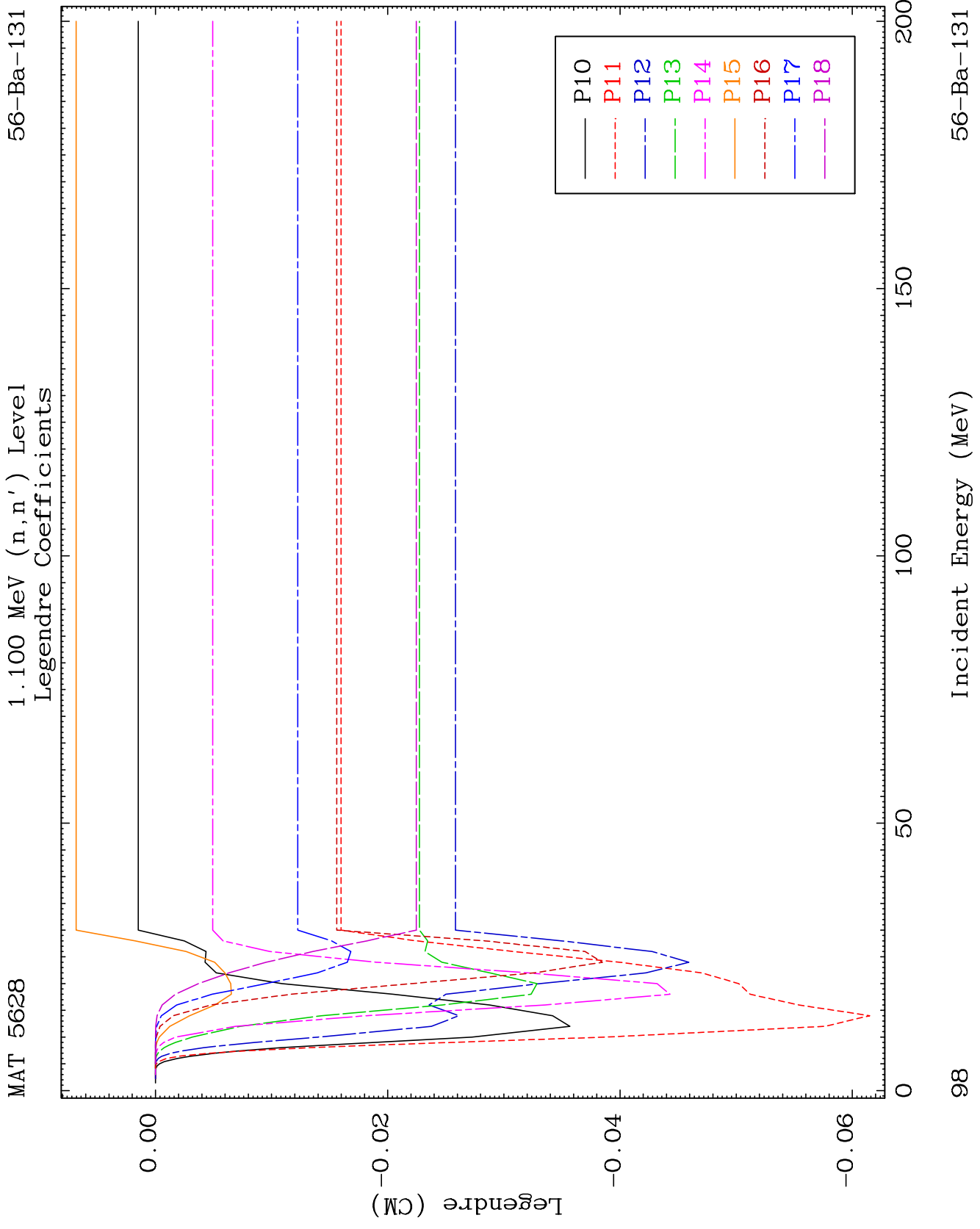
56-Ba-131



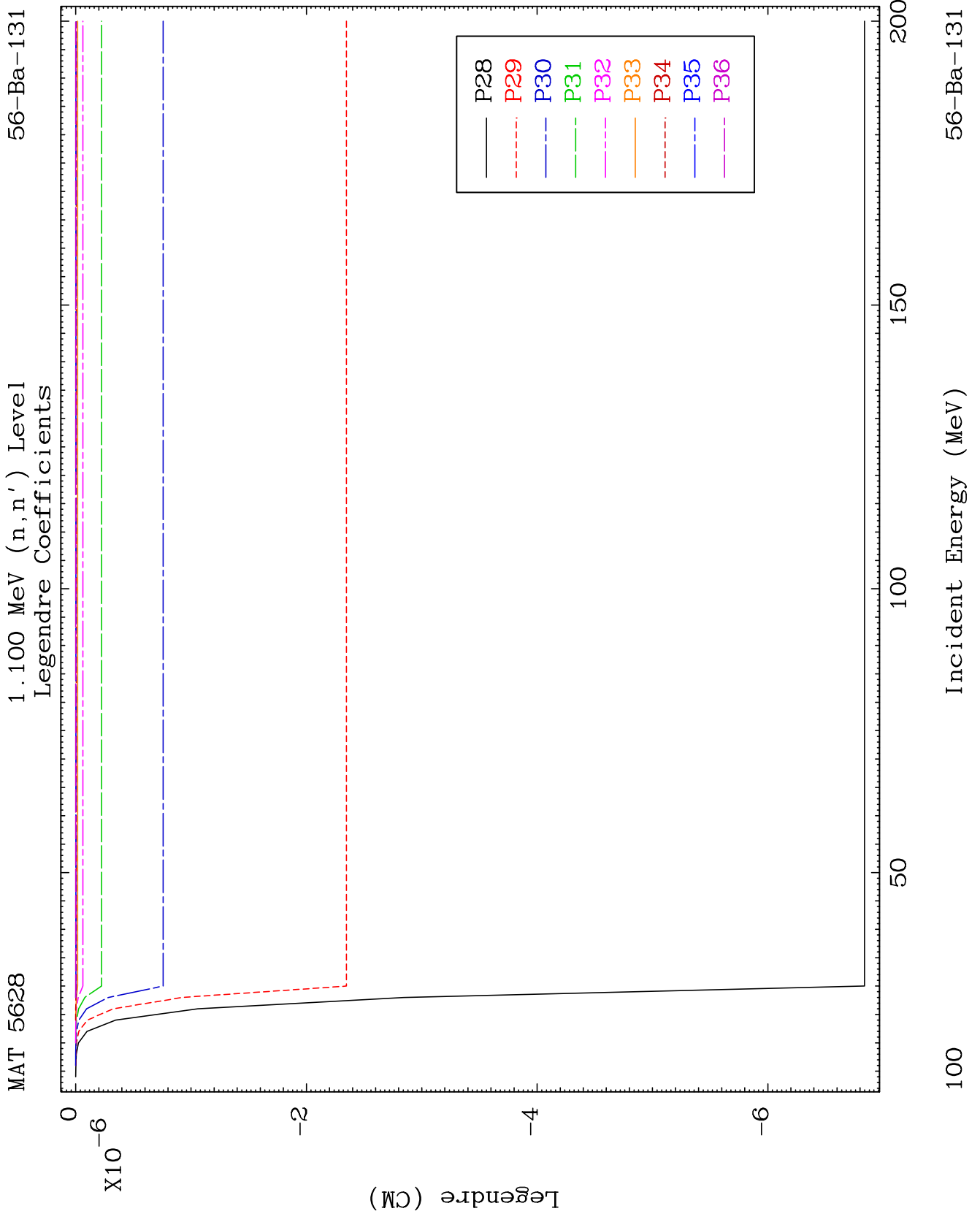
97

Incident Energy (MeV)

56-Ba-131



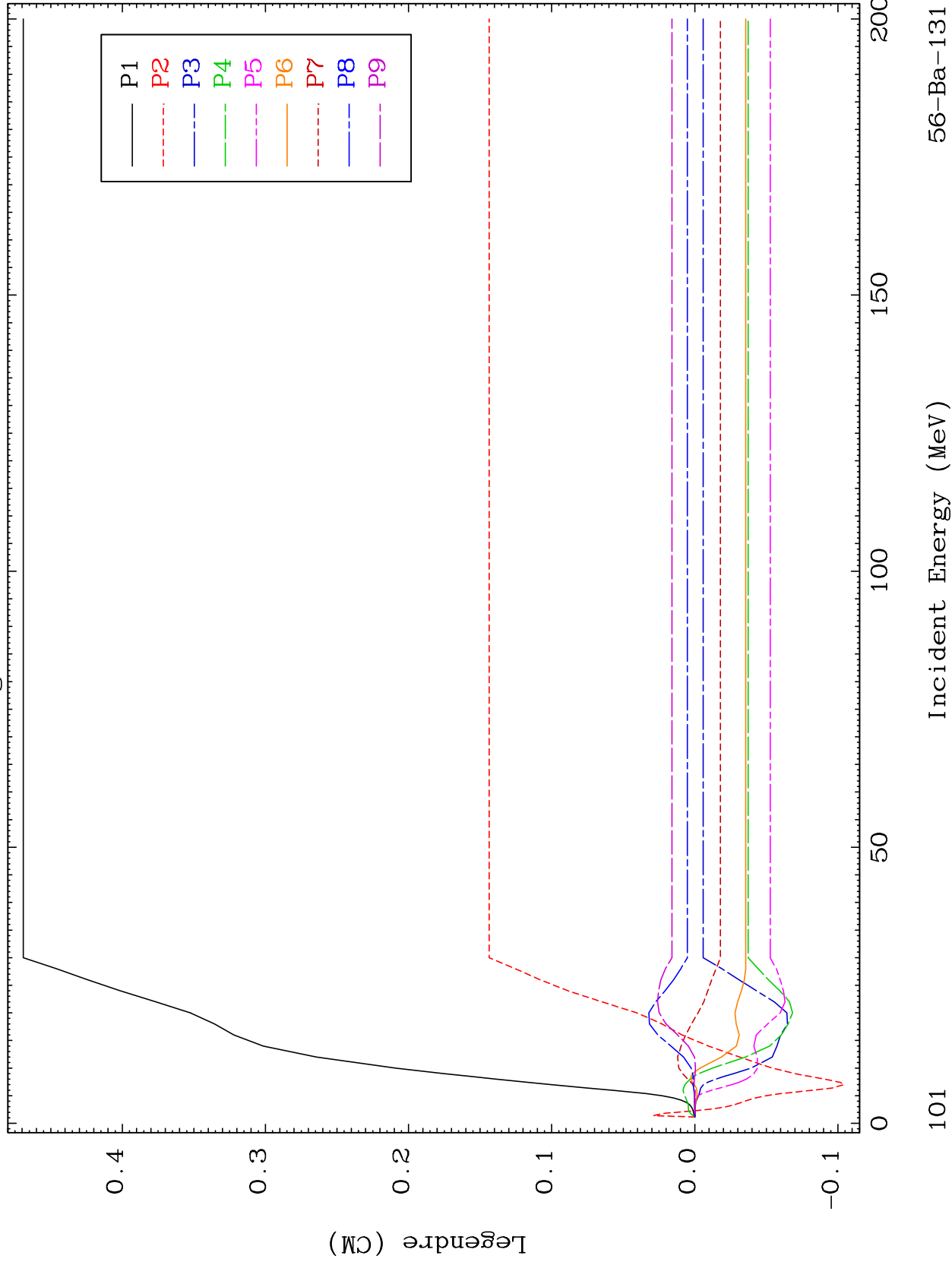




MAT 5628

1.119 MeV (n, n') Level  
Legendre Coefficients

56-Ba-131



56-Ba-131

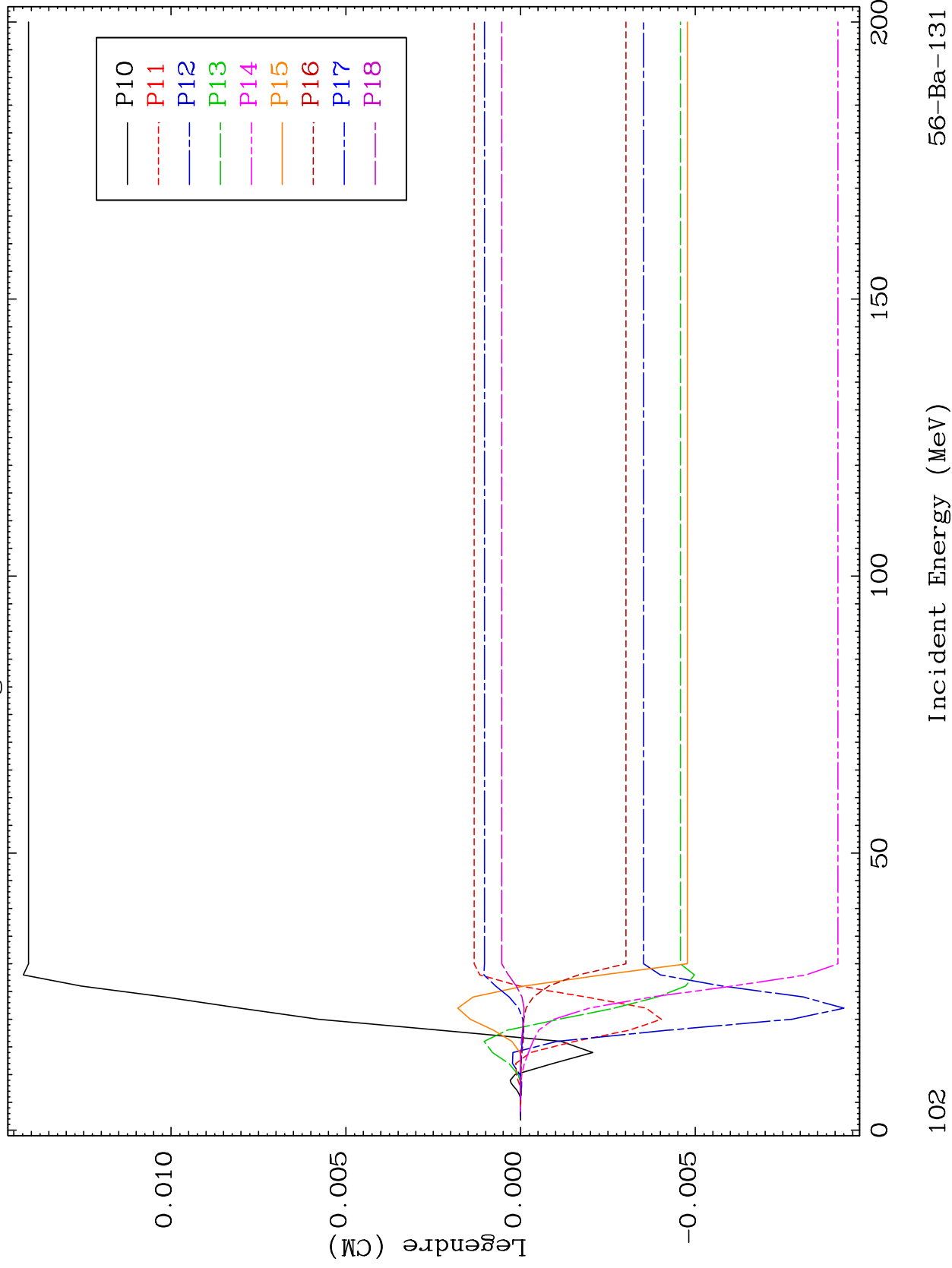
Incident Energy (MeV)

101

MAT 5628

1.119 MeV (n, n') Level  
Legendre Coefficients

56-Ba-131



102

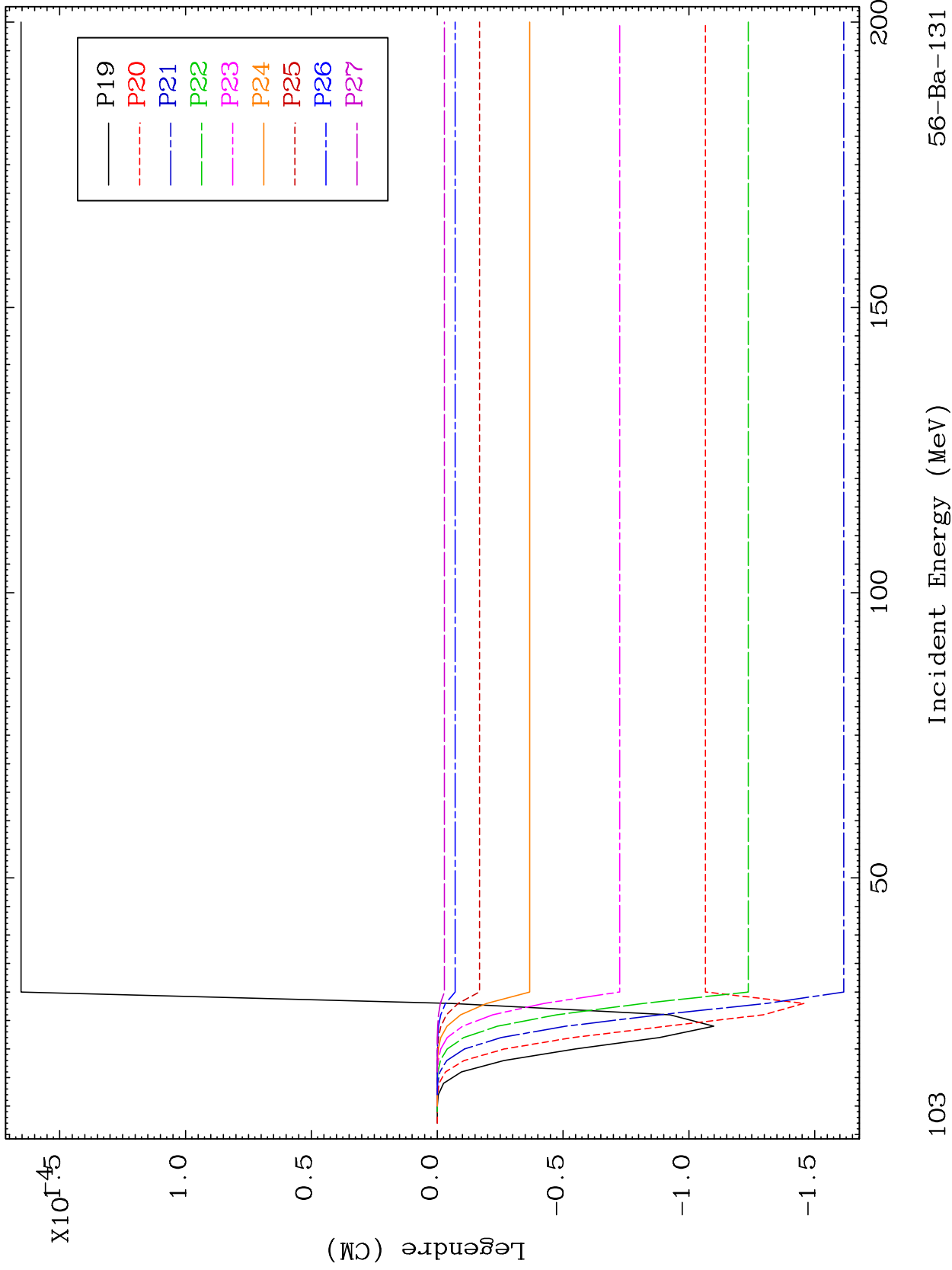
Incident Energy (MeV)

56-Ba-131

MAT 5628

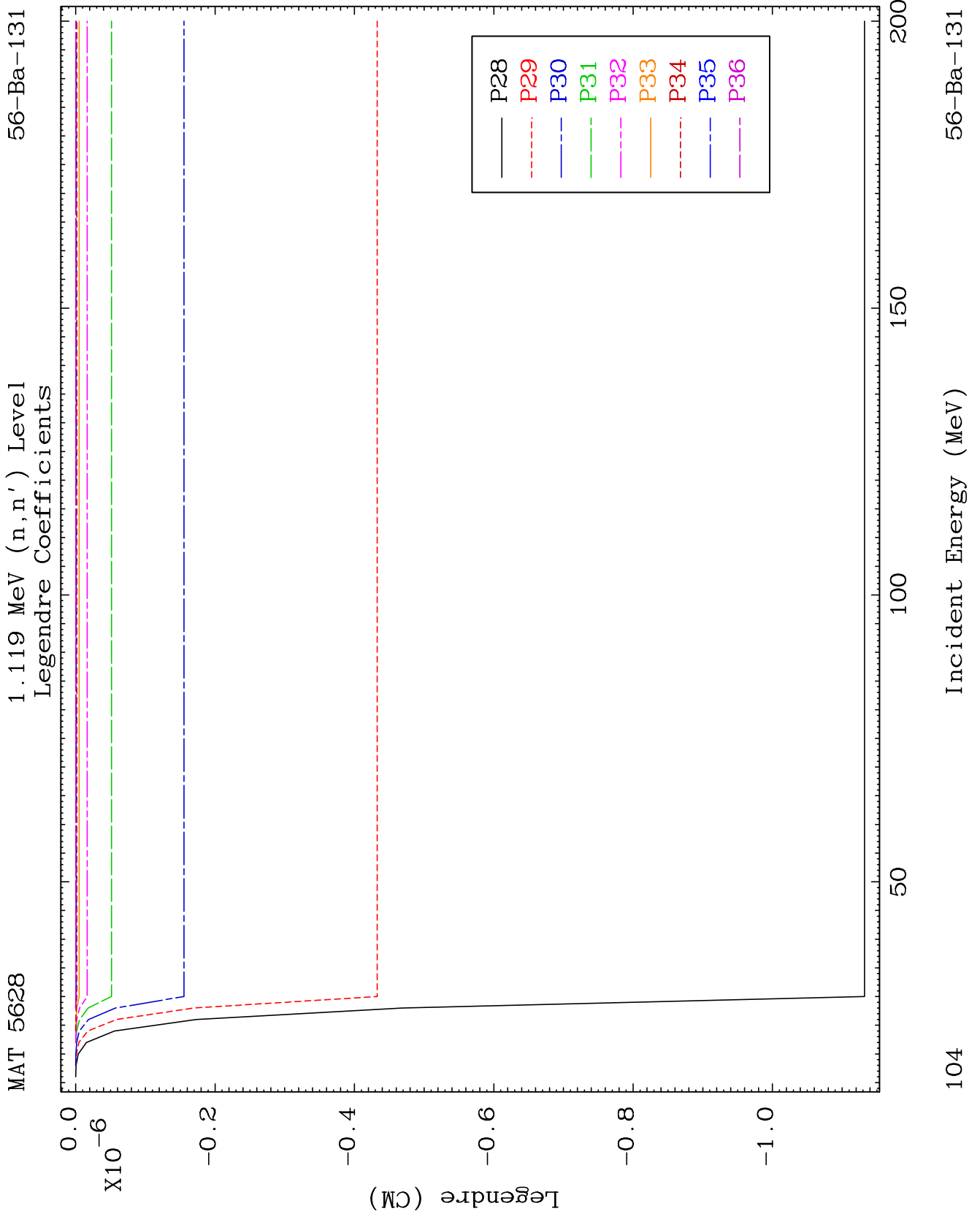
1.119 MeV (n, n') Level  
Legendre Coefficients

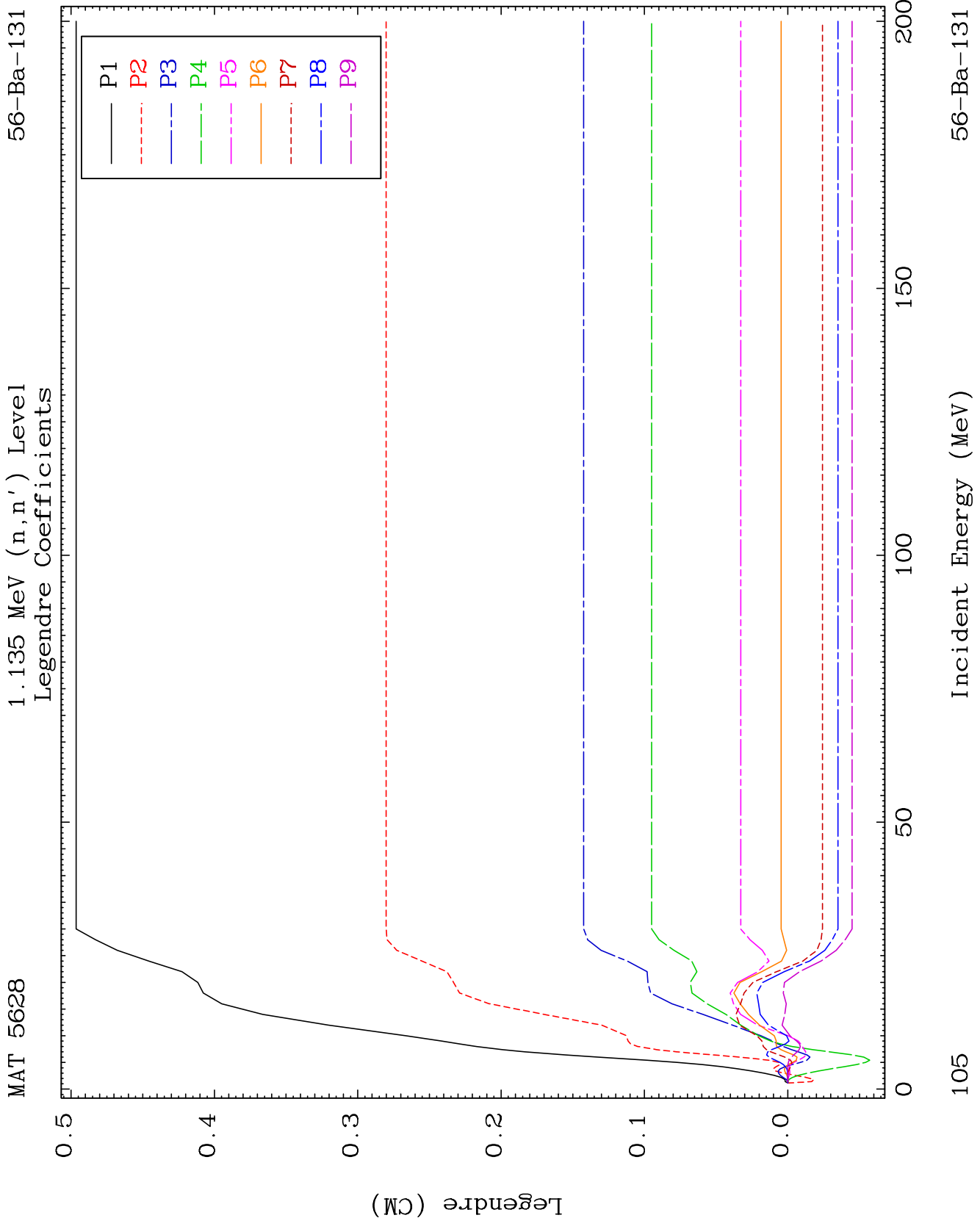
56-Ba-131



103



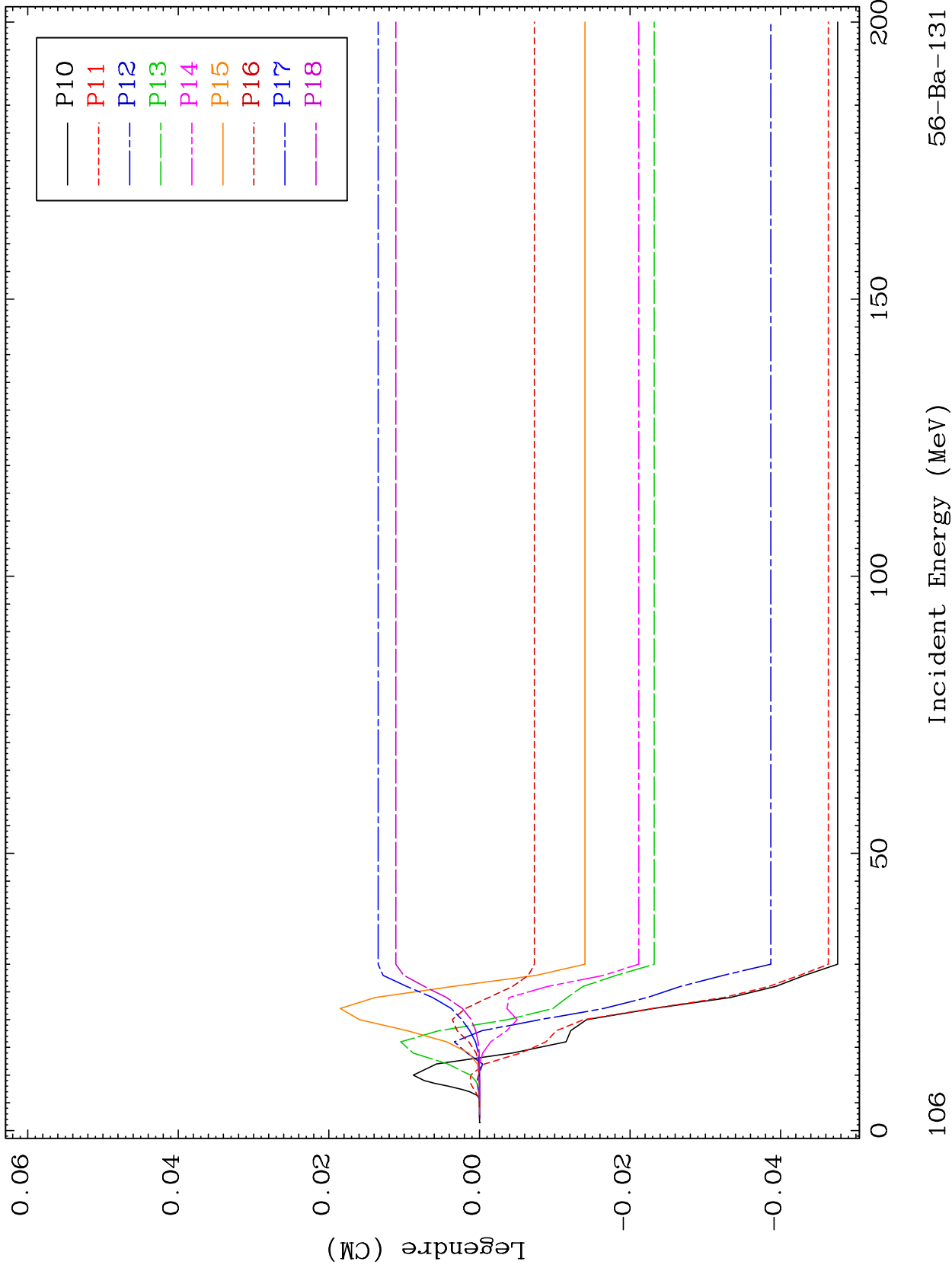




MAT 5628

1.135 MeV (n,n') Level  
Legendre Coefficients

56-Ba-131



56-Ba-131

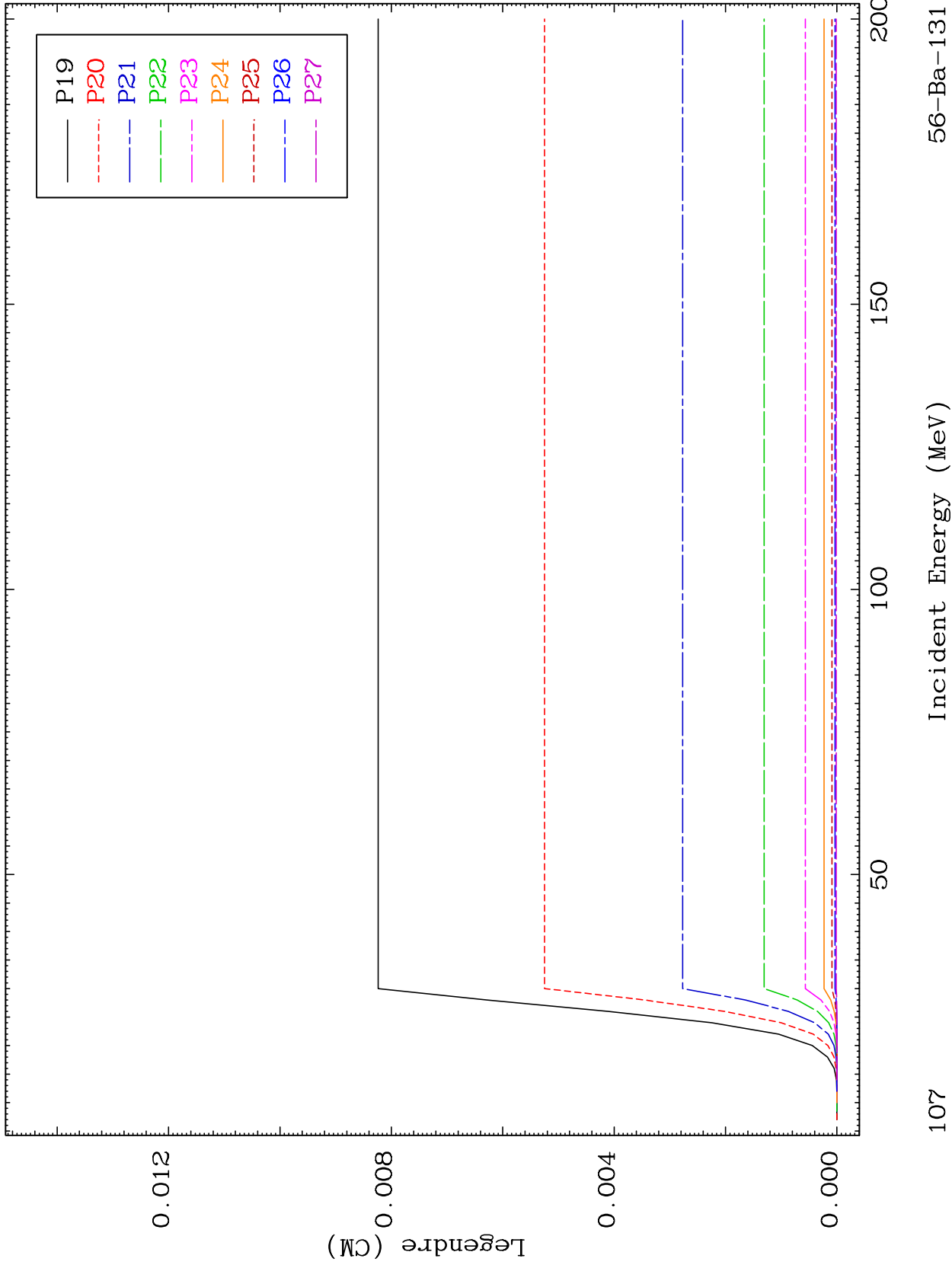
Incident Energy (MeV)

106

MAT 5628

1.135 MeV (n,n') Level  
Legendre Coefficients

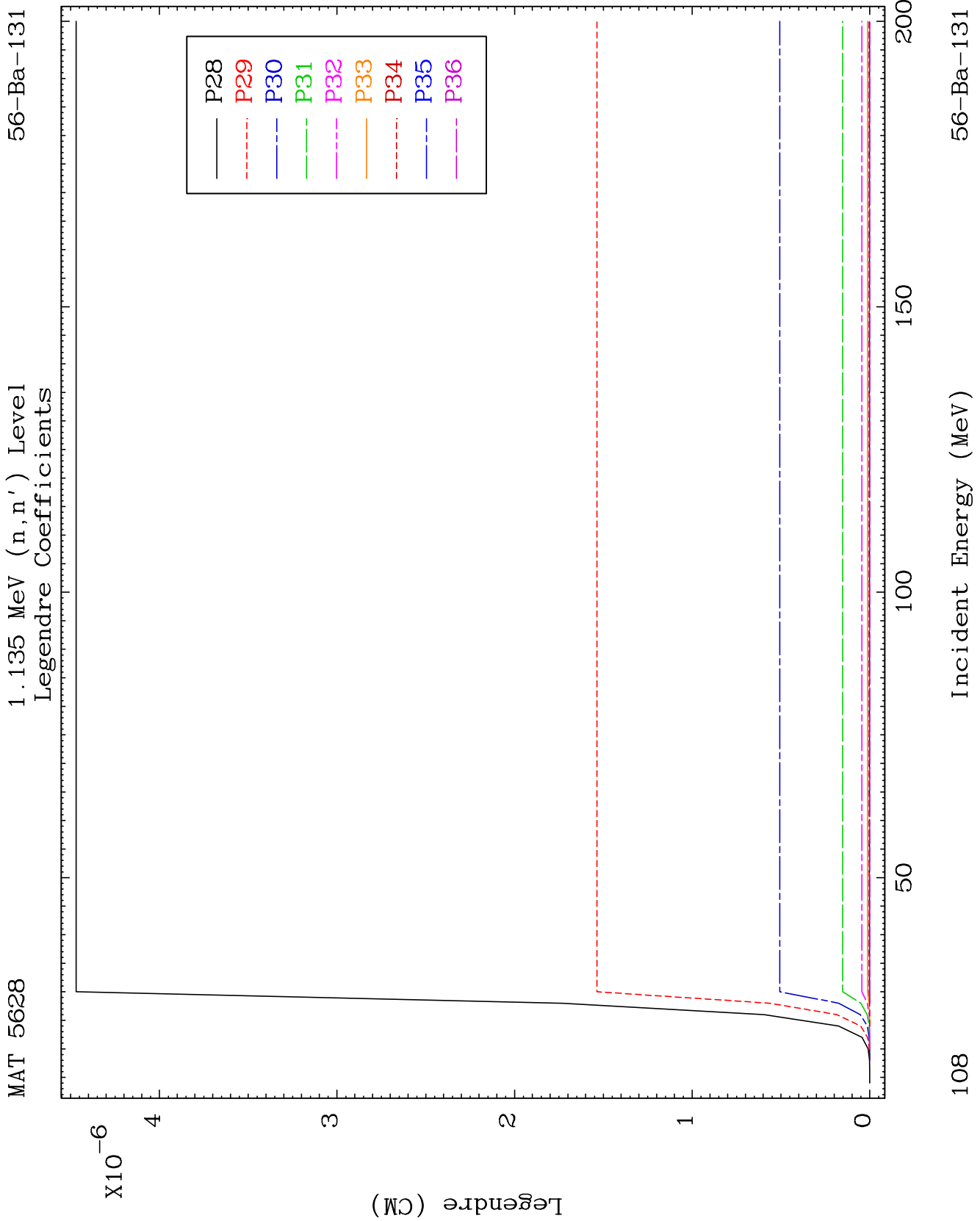
56-Ba-131



107

Incident Energy (MeV)

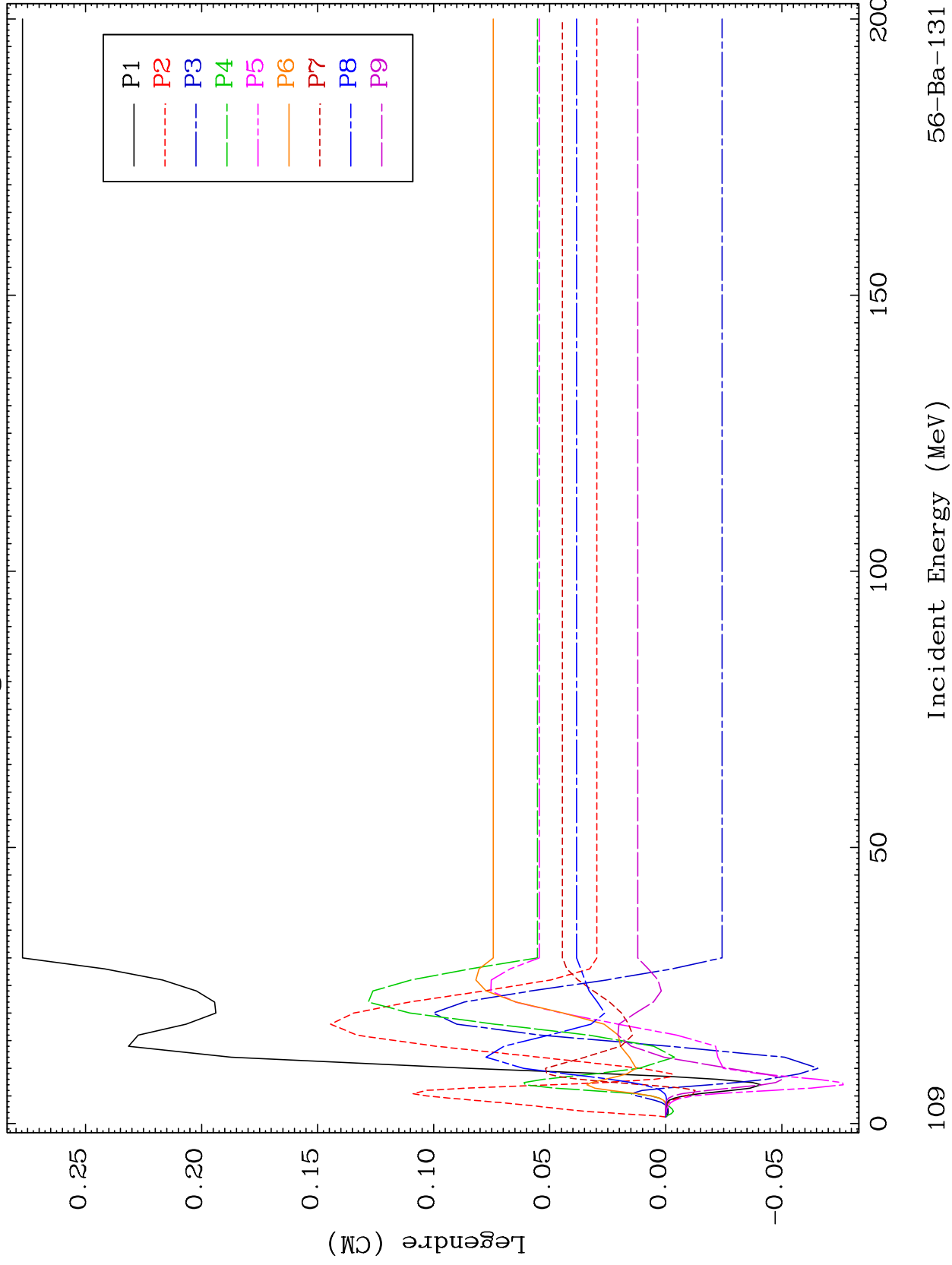
56-Ba-131



MAT 5628

1.154 MeV (n,n') Level  
Legendre Coefficients

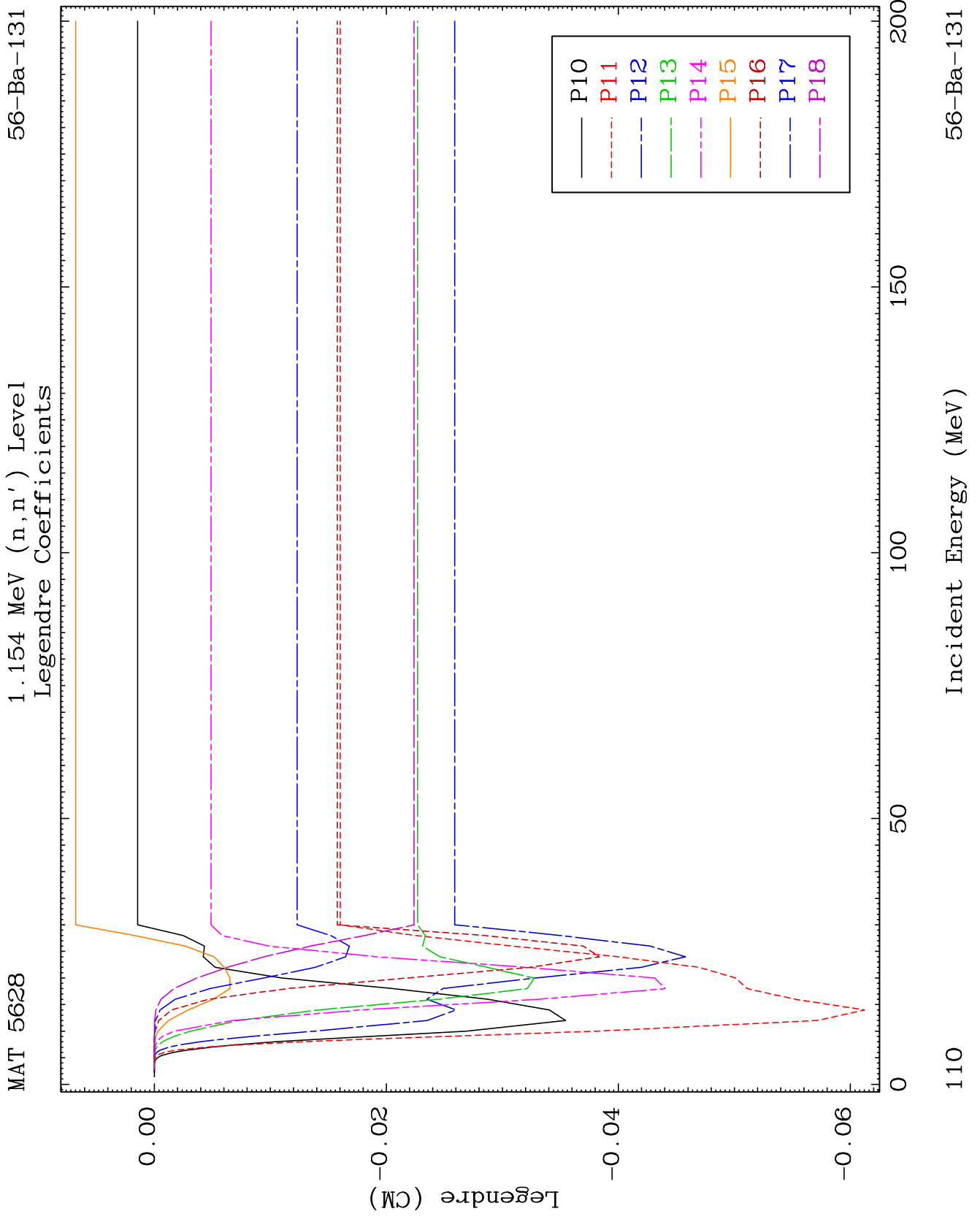
56-Ba-131



56-Ba-131

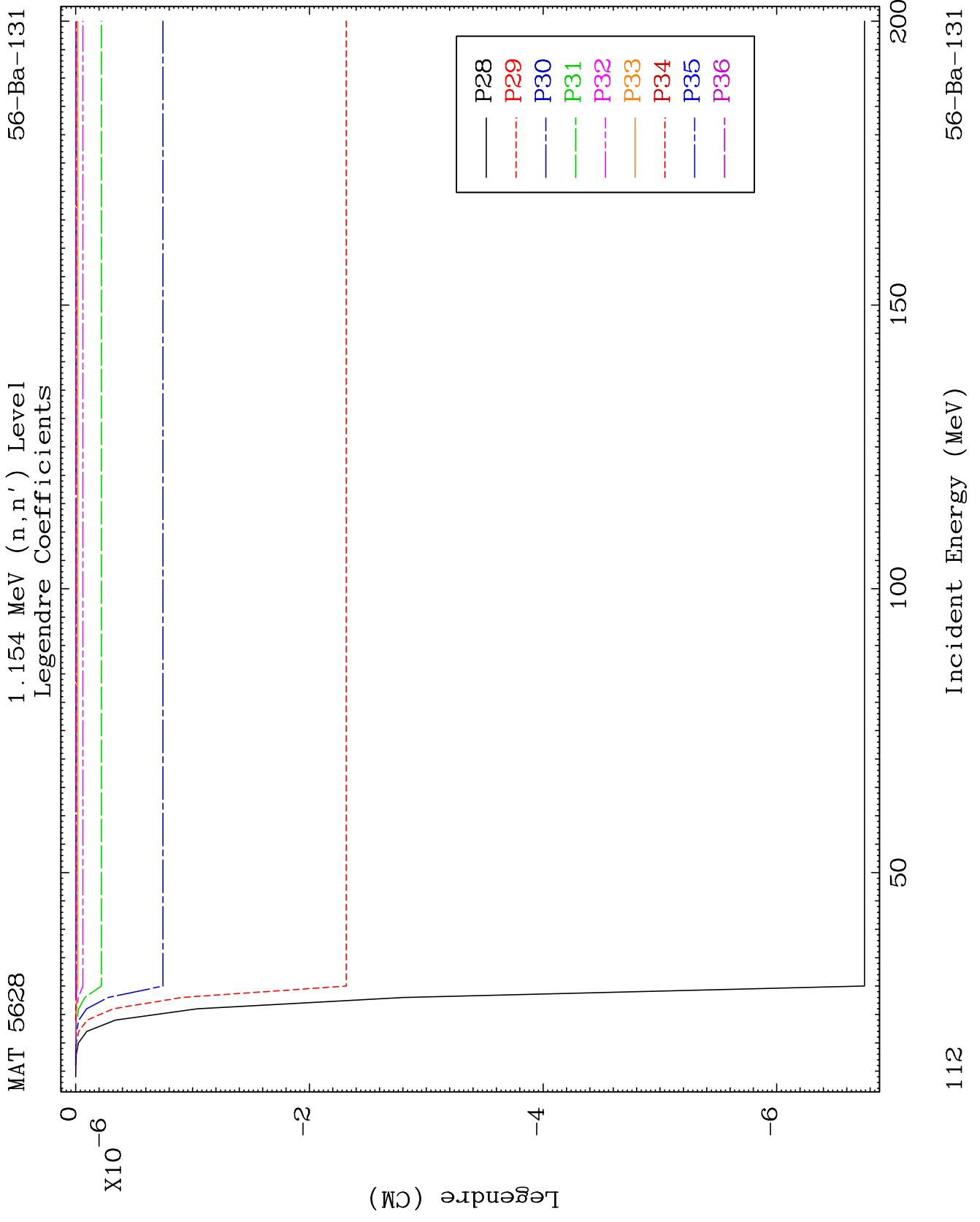
Incident Energy (MeV)

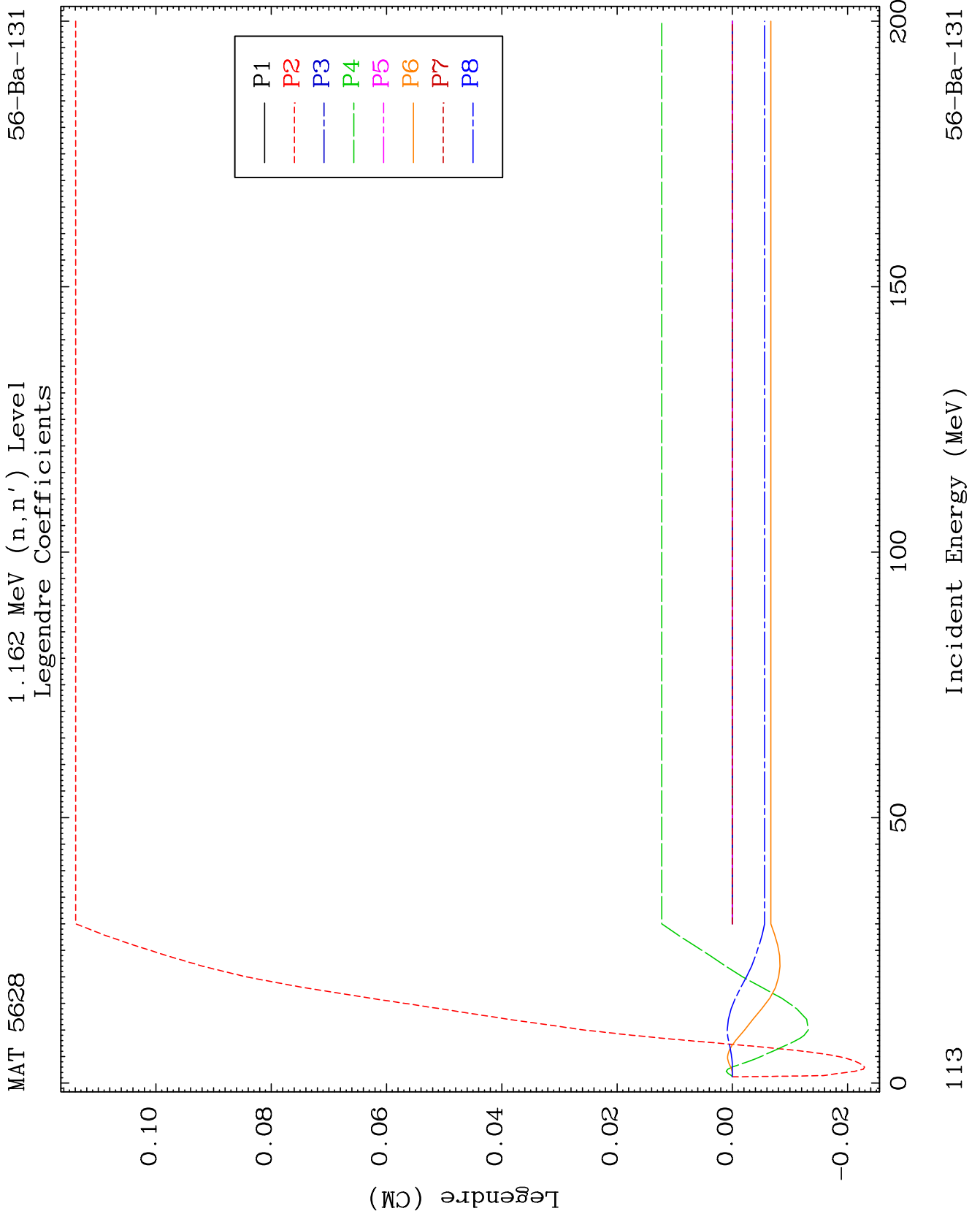
109







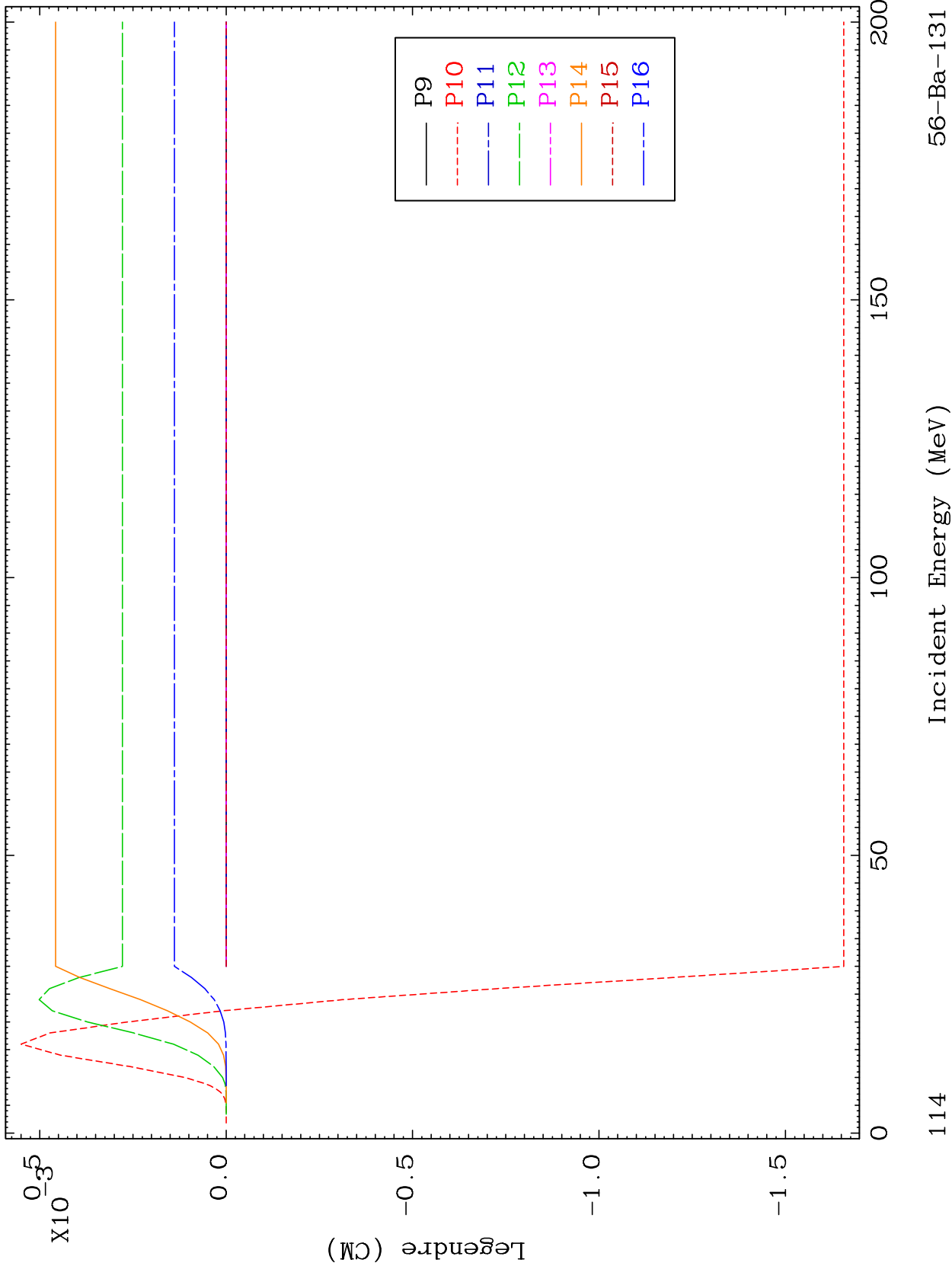




MAT 5628

1.162 MeV (n,n') Level  
Legendre Coefficients

56-Ba-131

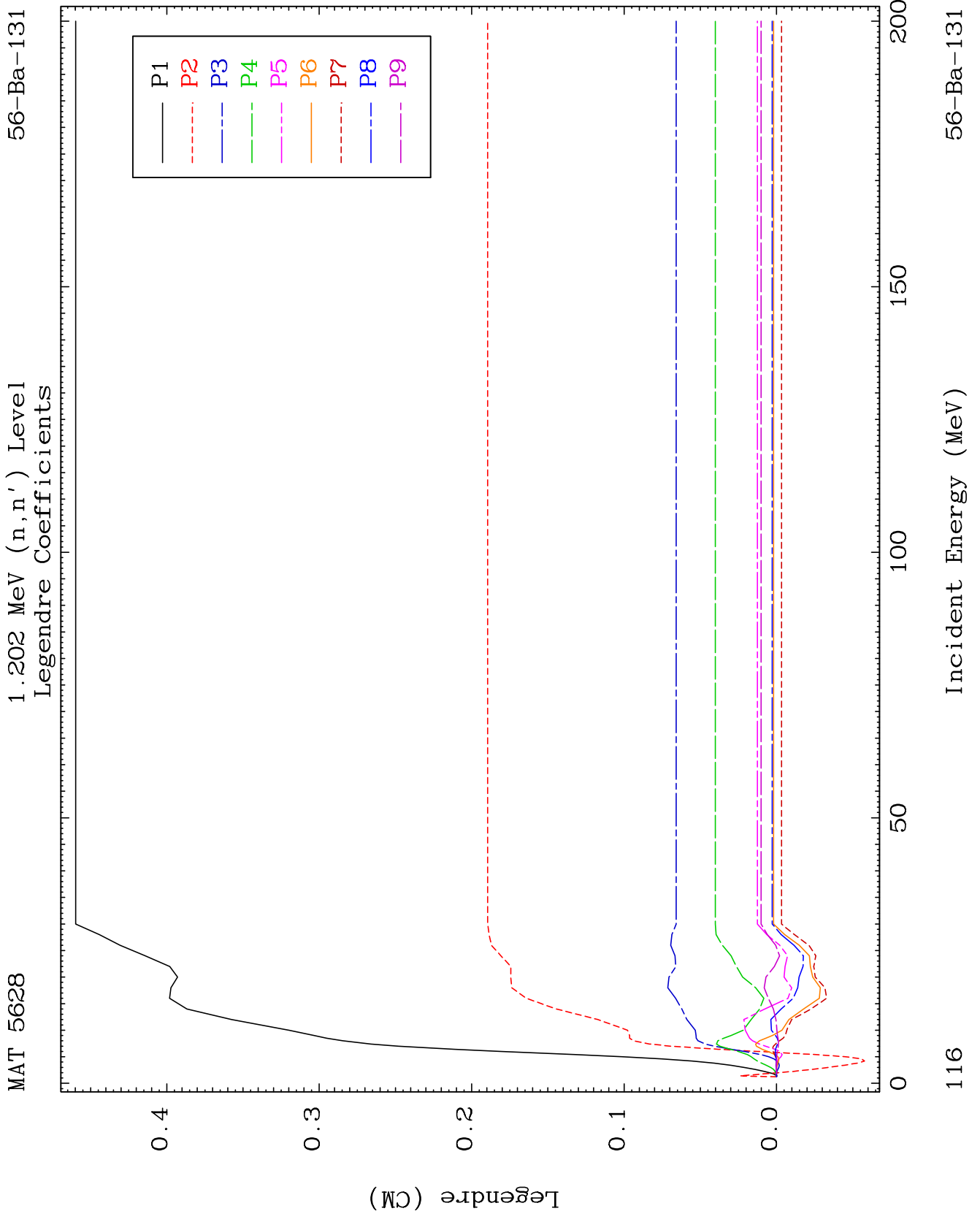


114

Incident Energy (MeV)

56-Ba-131

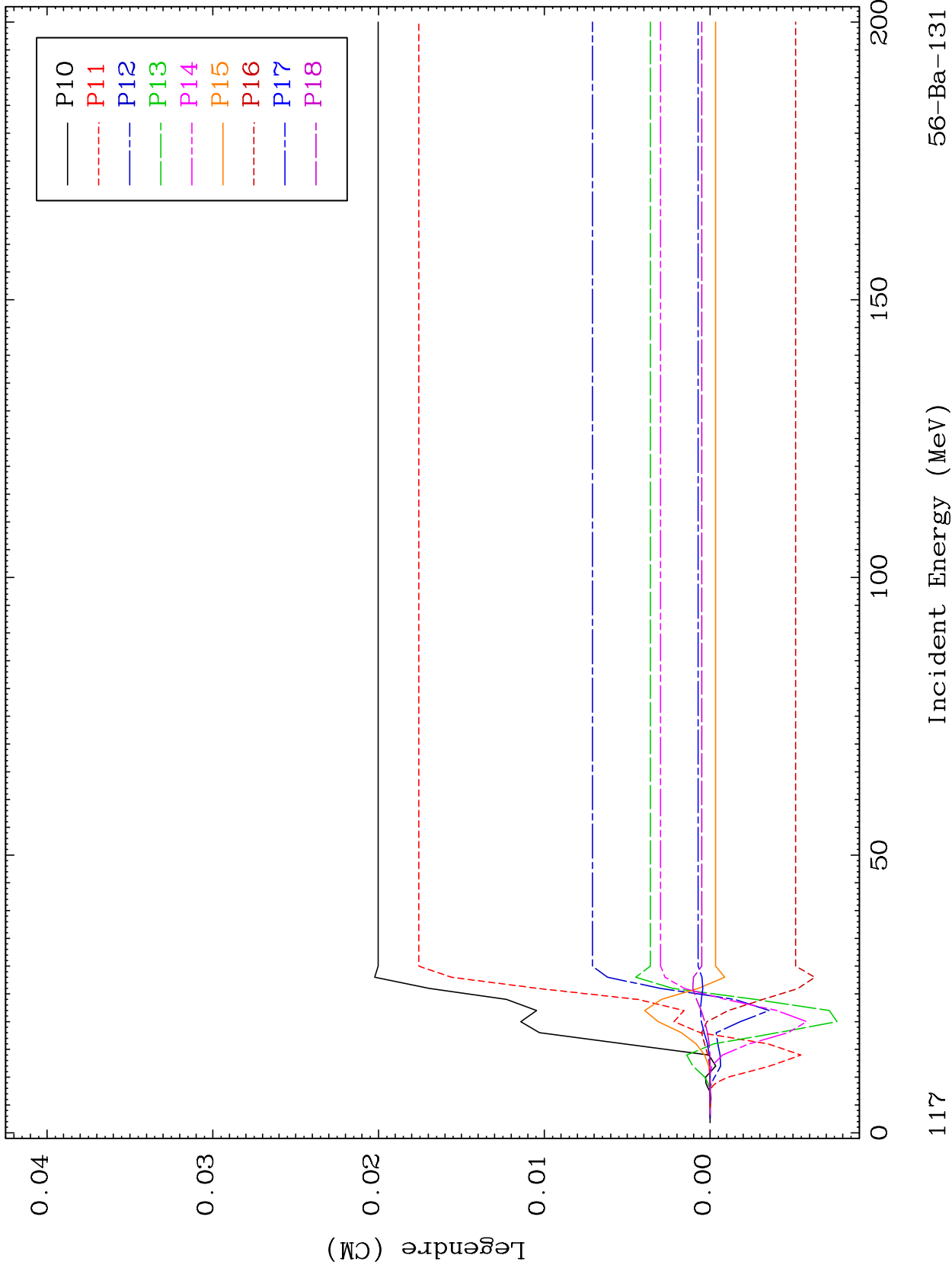




MAT 5628

1.202 MeV (n,n') Level  
Legendre Coefficients

56-Ba-131



117

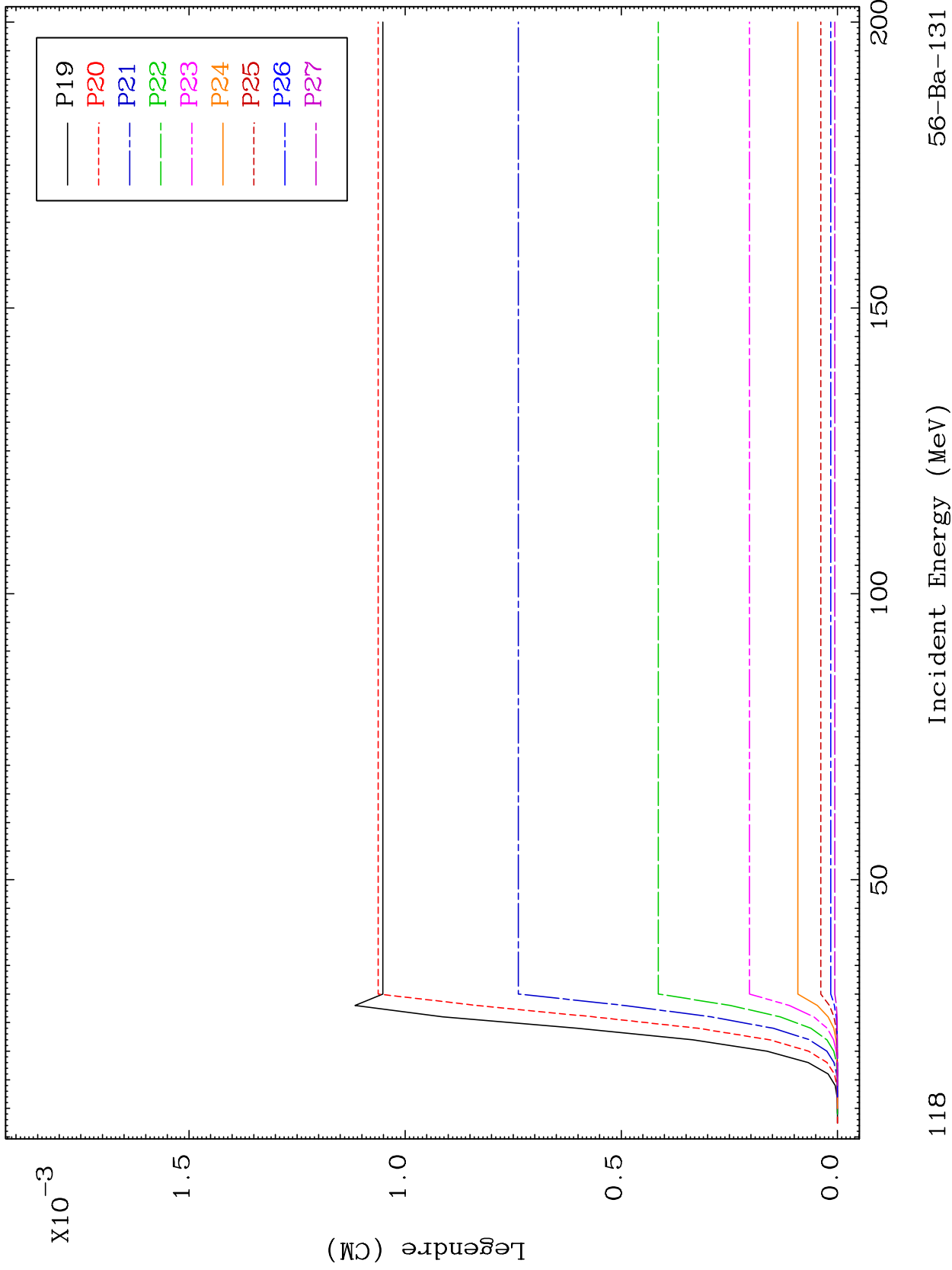
Incident Energy (MeV)

56-Ba-131

MAT 5628

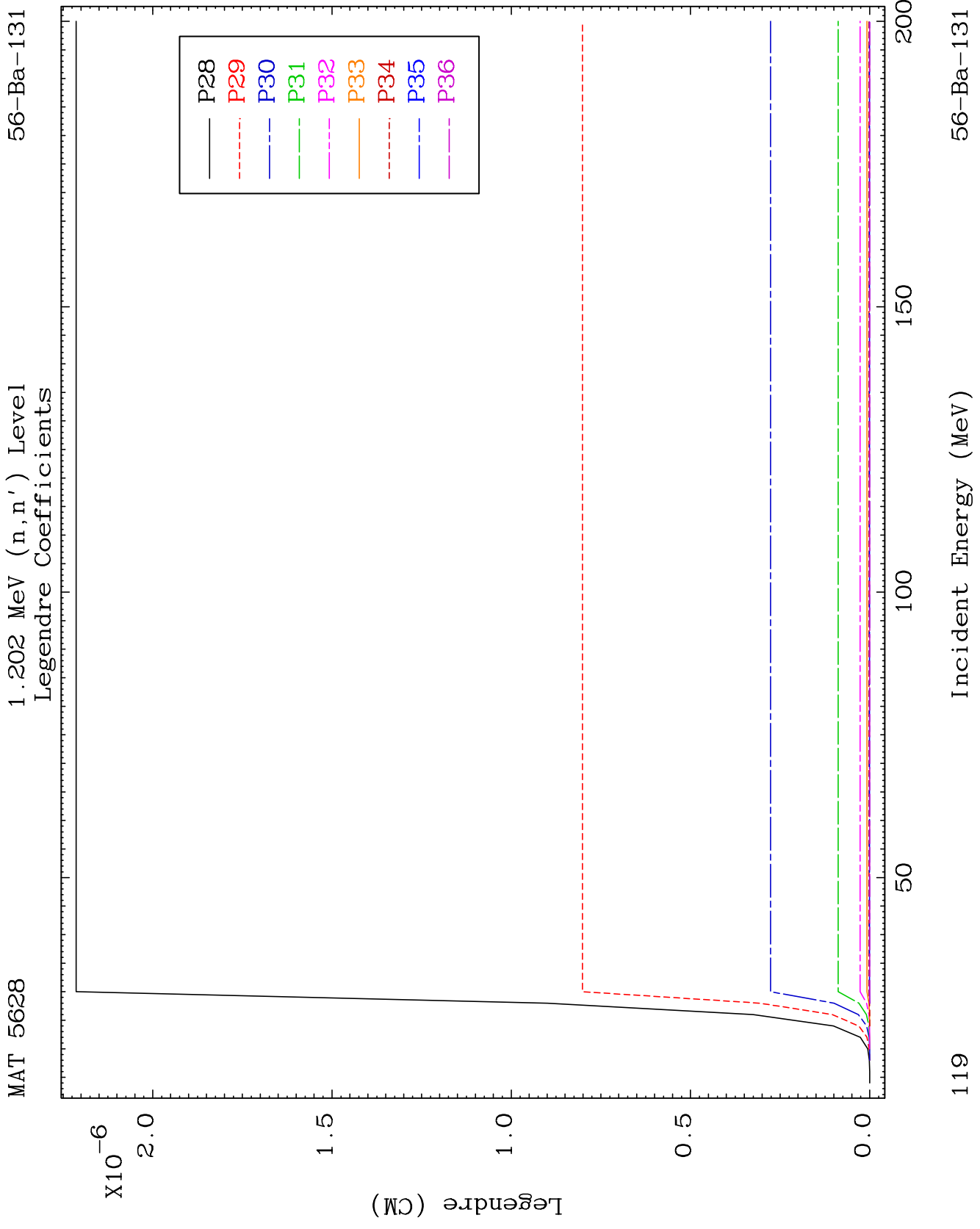
1.202 MeV (n,n') Level  
Legendre Coefficients

56-Ba-131

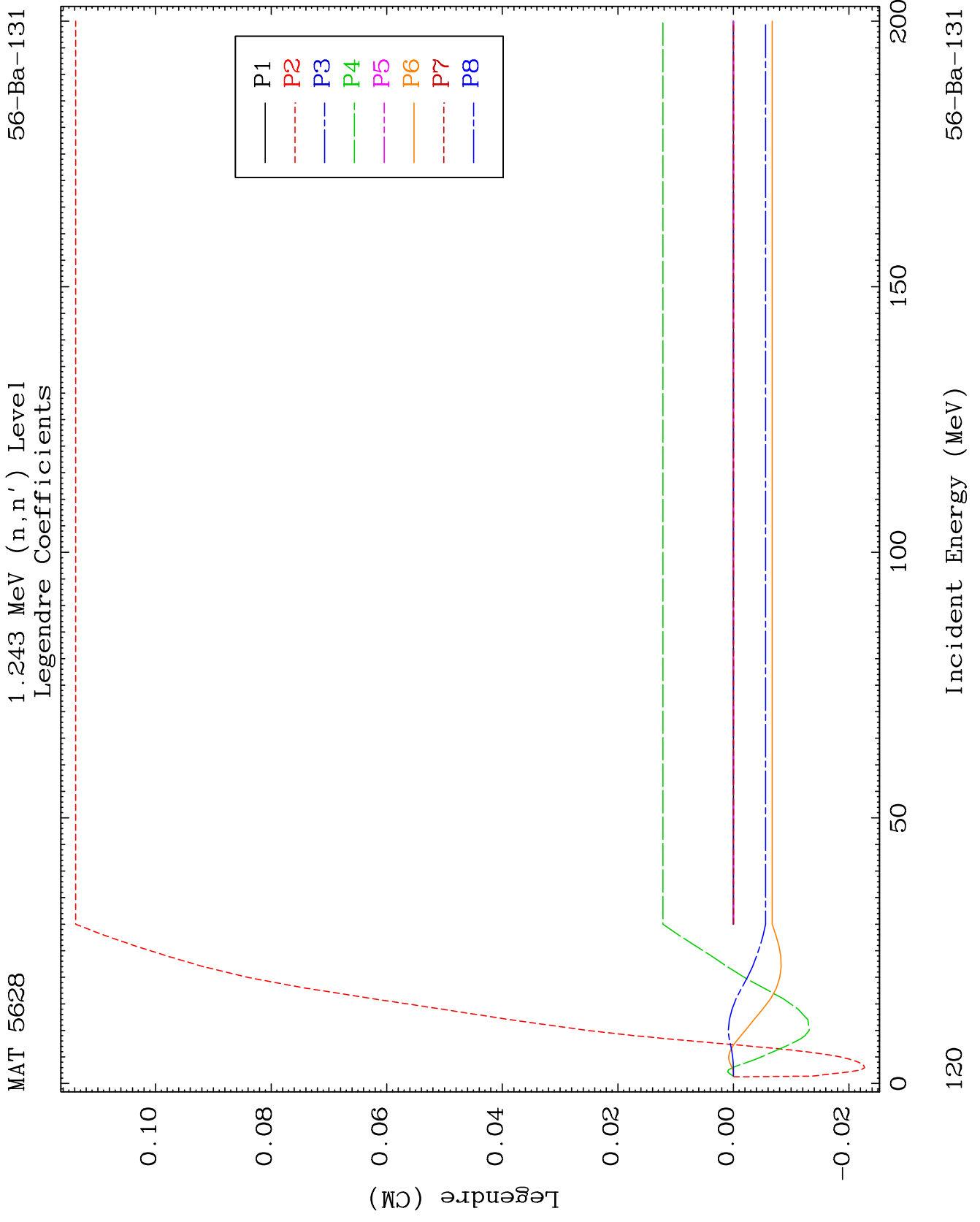


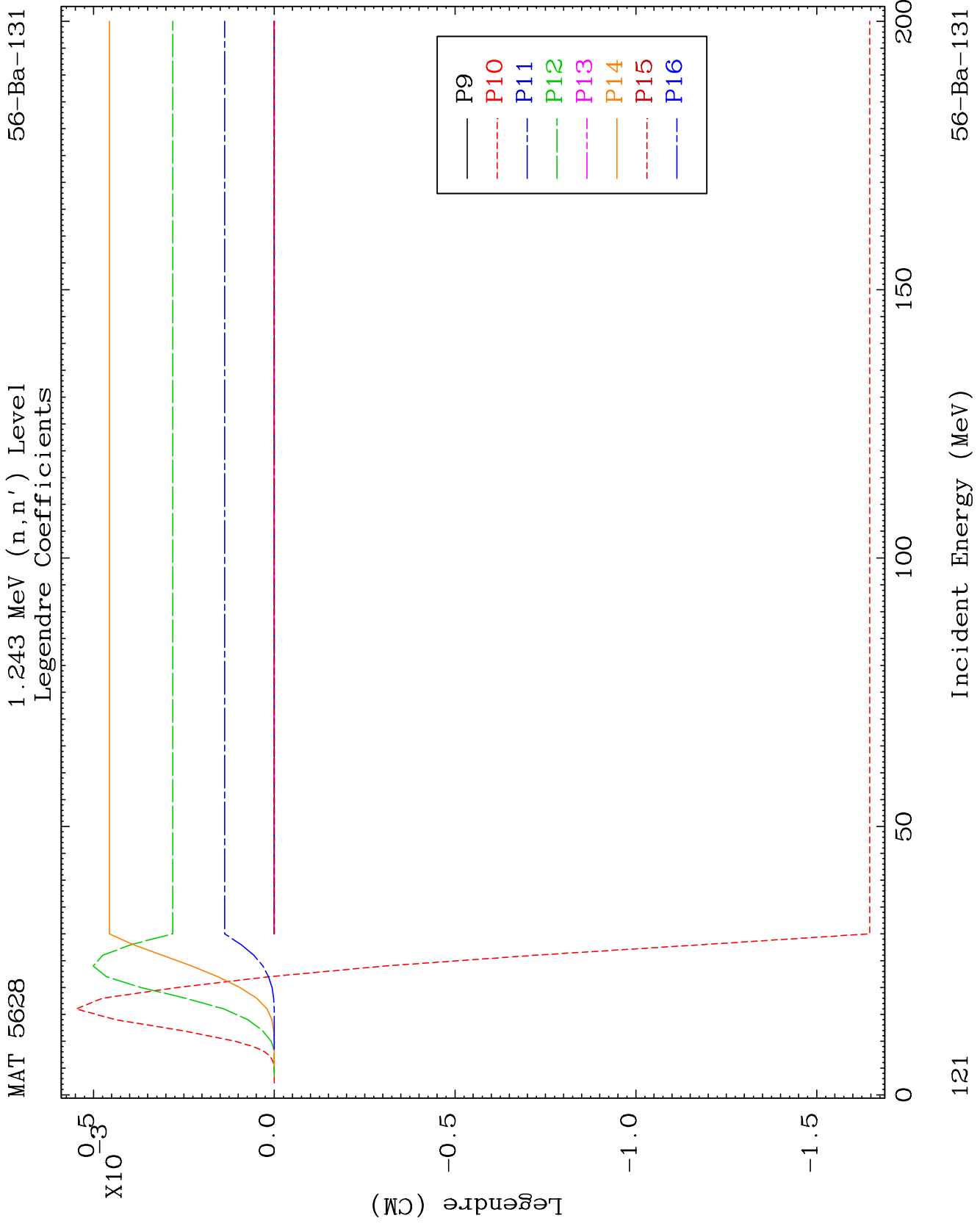
118

56-Ba-131





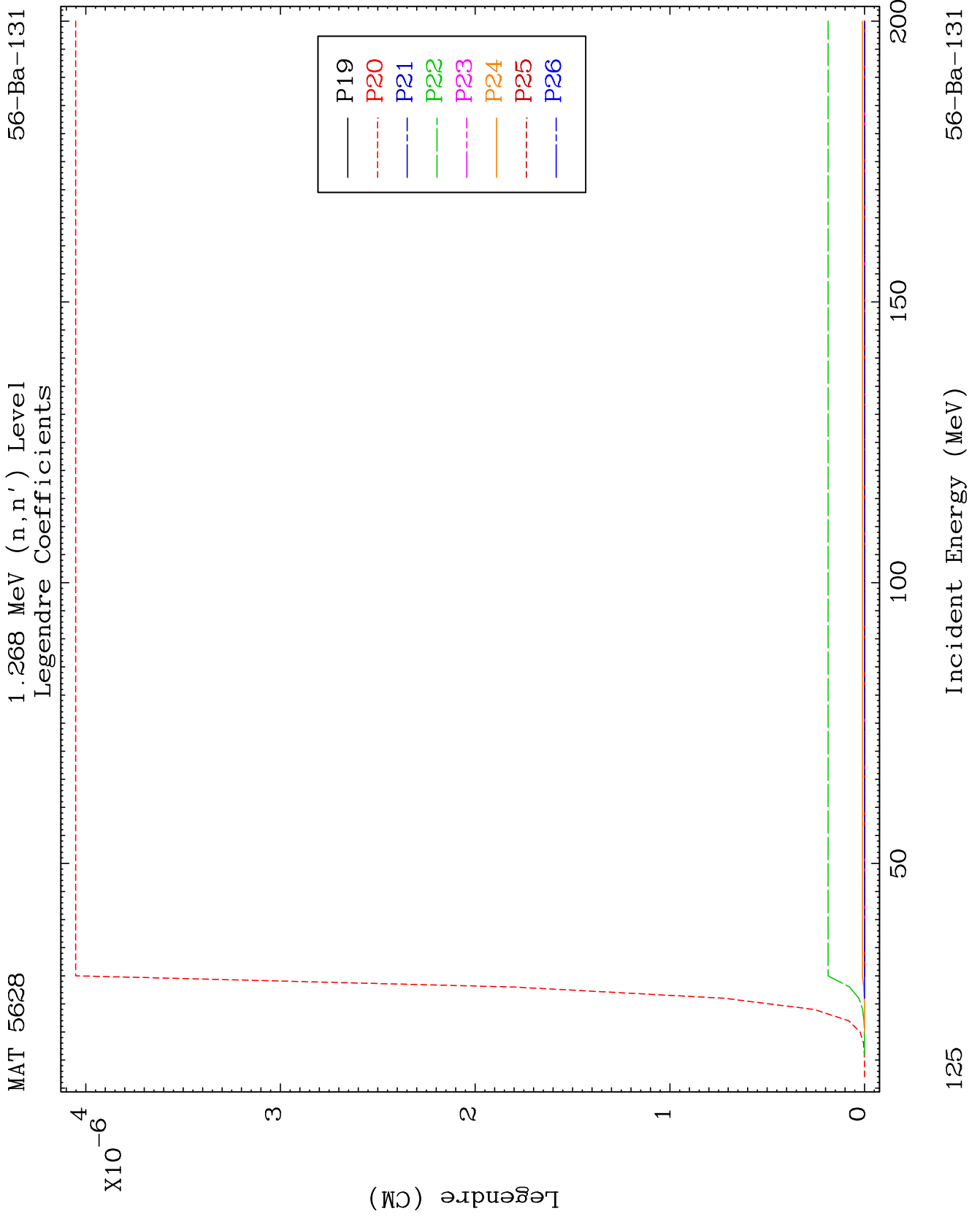








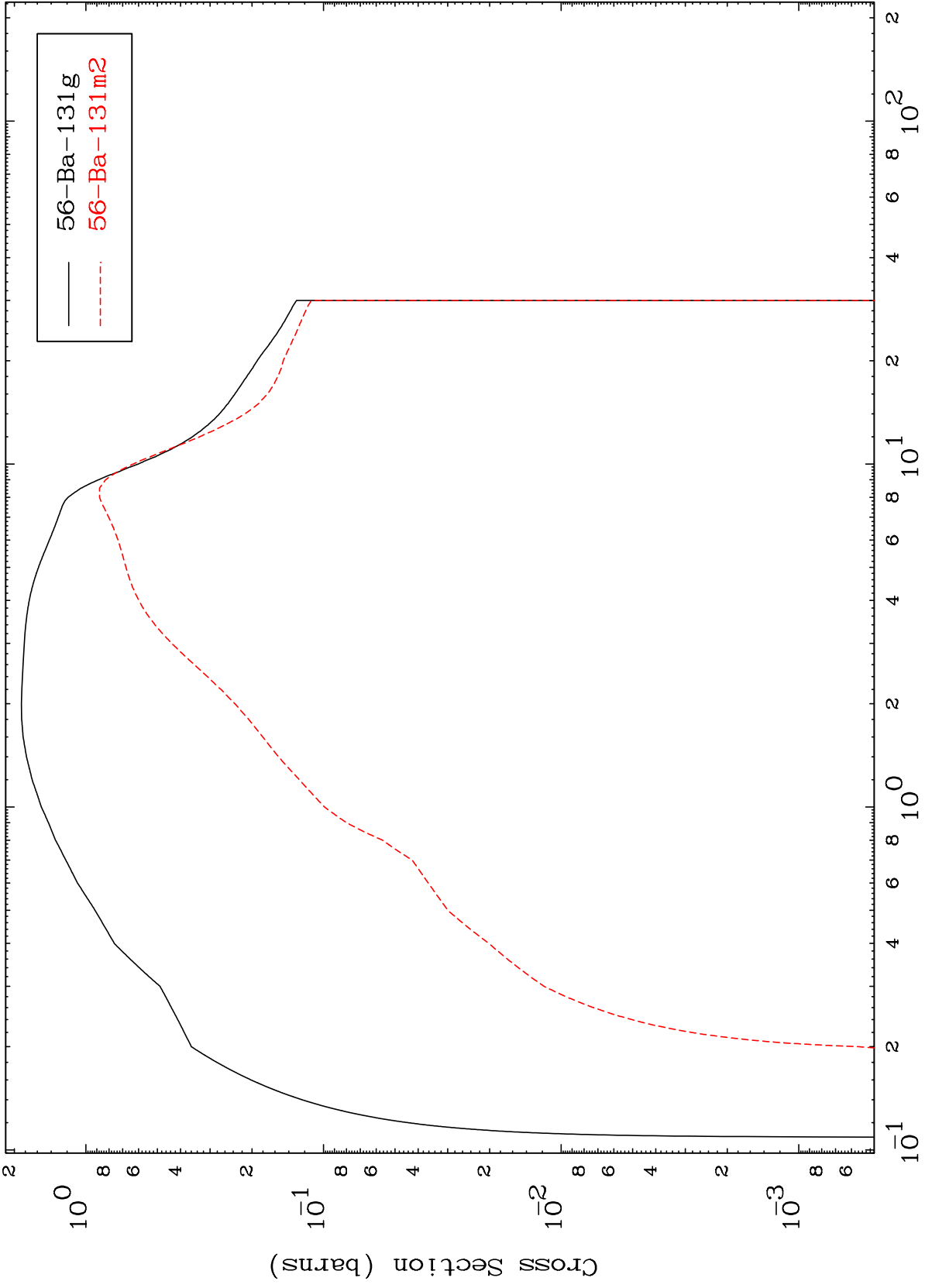




MAT 5628

56-Ba-131

Inelastic  
Radionuclide Production Cross Section



56-Ba-131

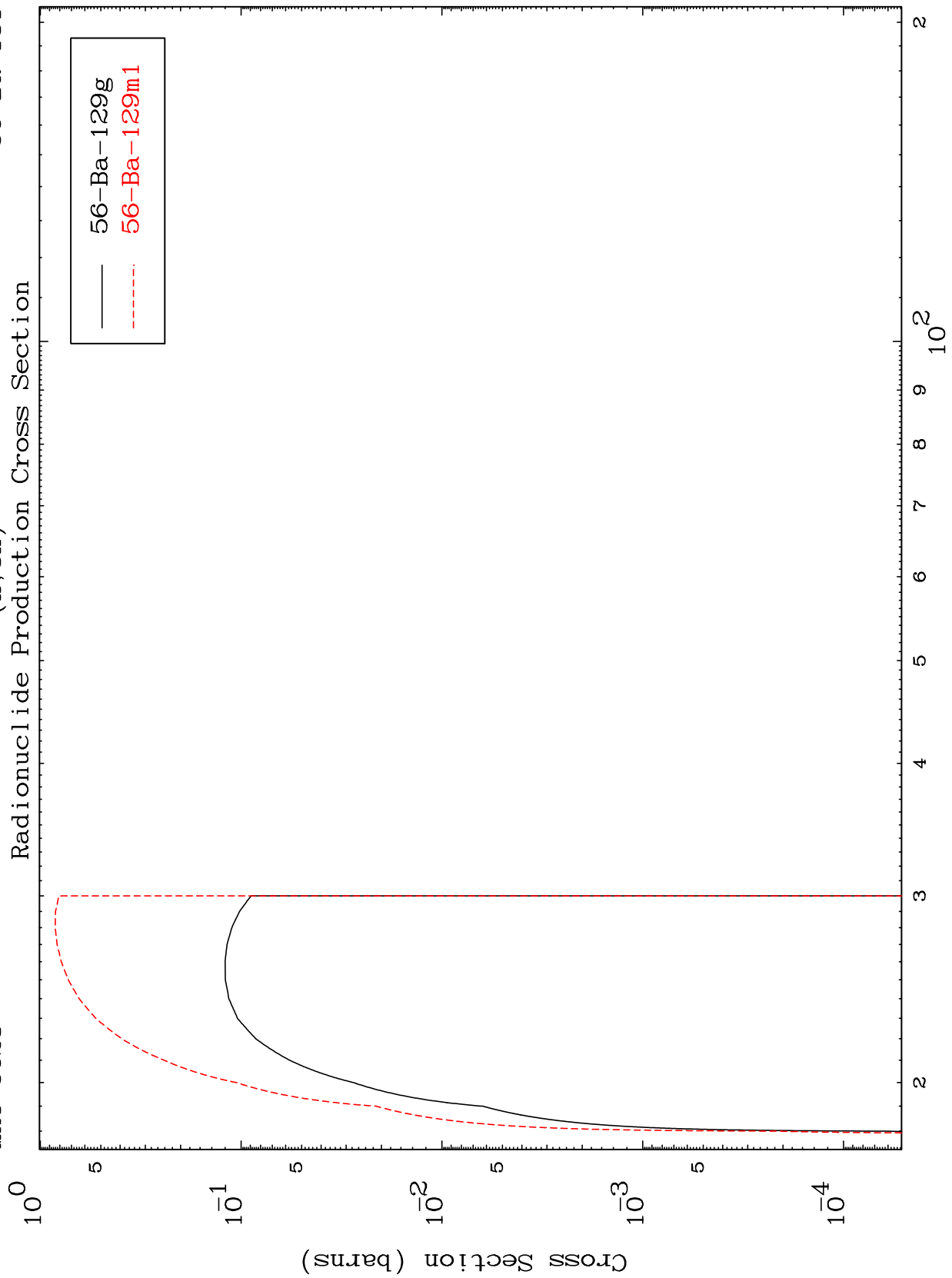
Incident Energy (MeV)

126

MAT 5628

56-Ba-131

(n,3n)  
Radionuclide Production Cross Section



56-Ba-129g  
56-Ba-129m1

127

Incident Energy (MeV)

56-Ba-131

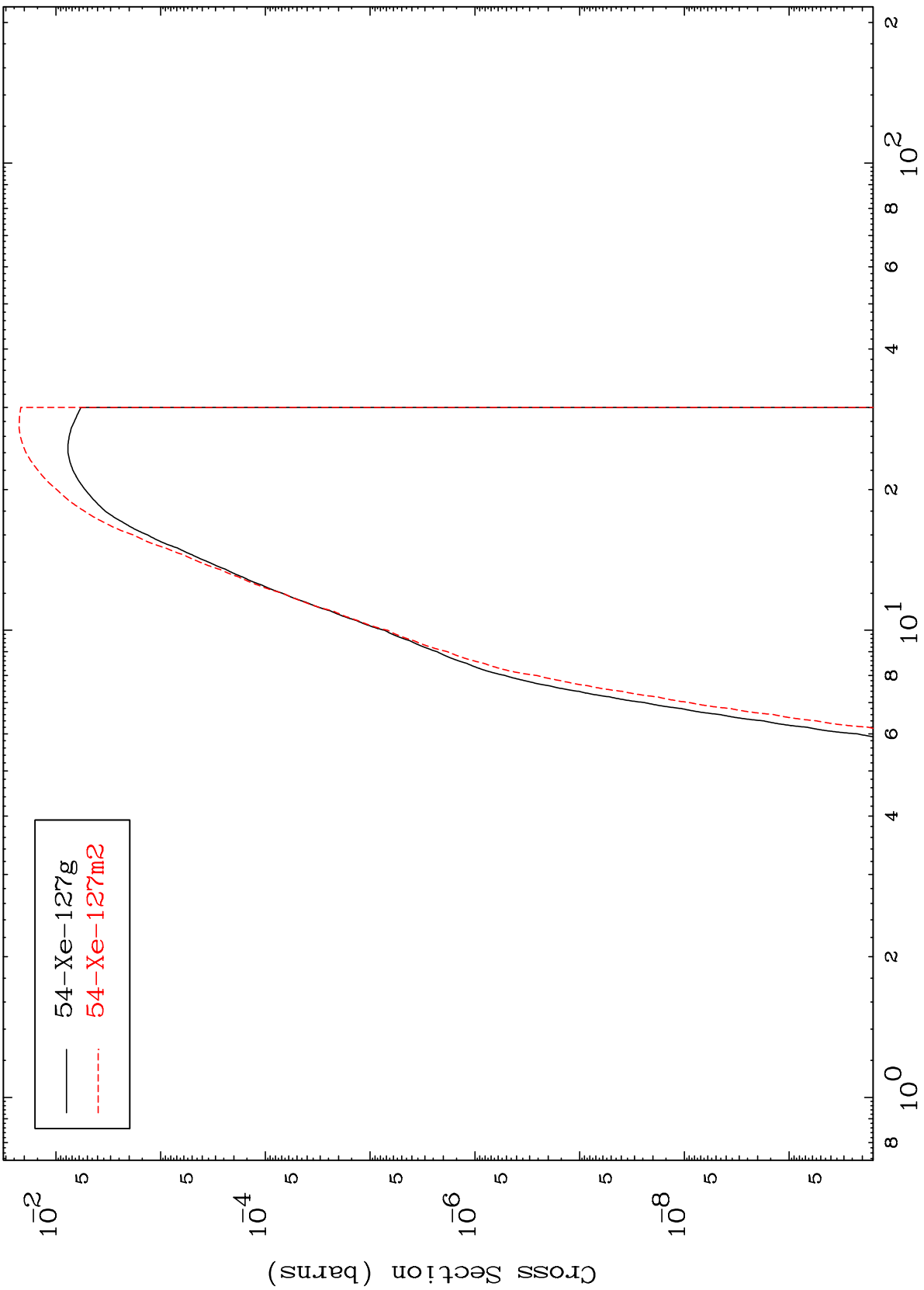


MAT 5628

(n,n')  $\alpha$

56-Ba-131

Radionuclide Production Cross Section



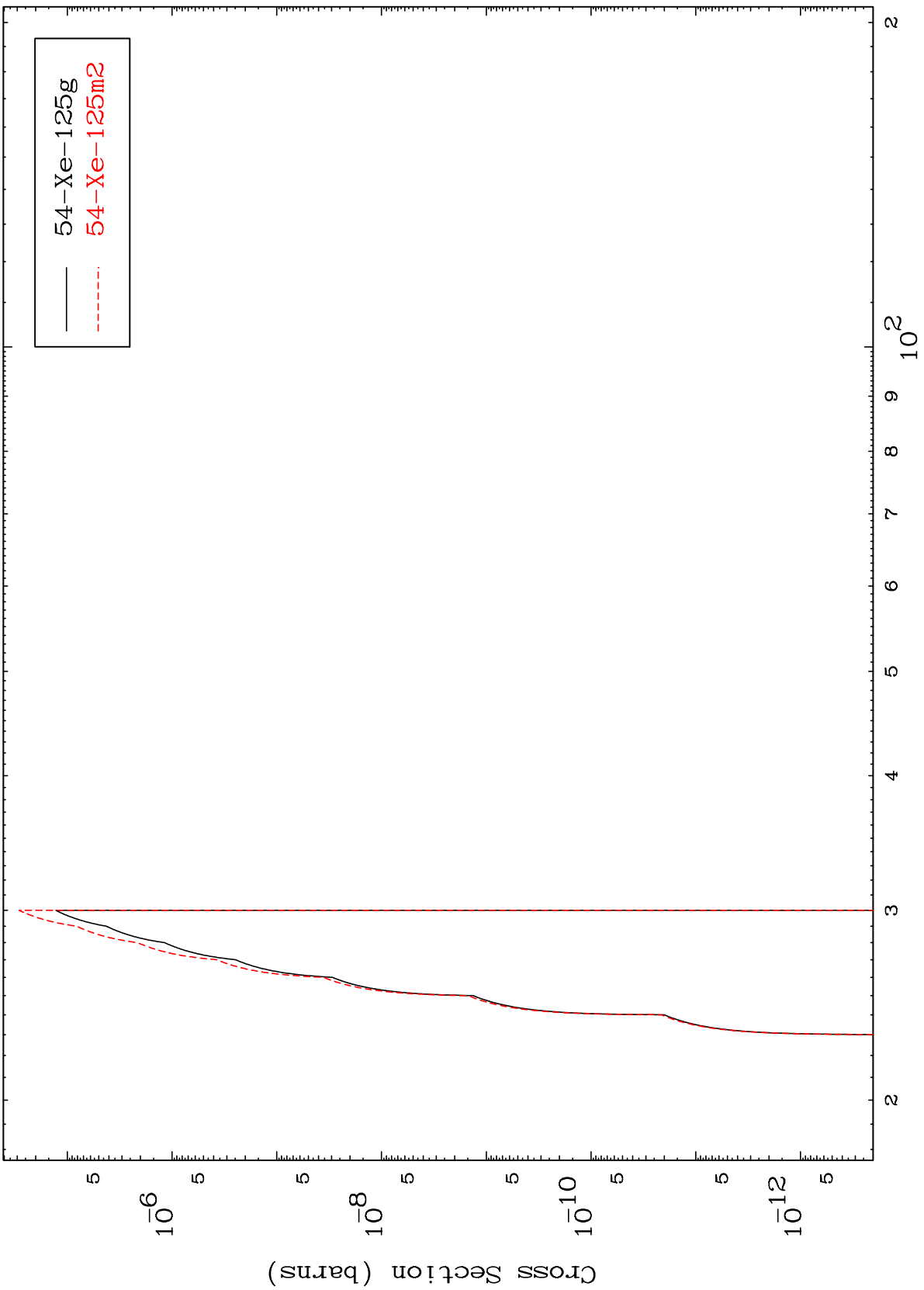
54-Xe-127g  
54-Xe-127m2

128

Incident Energy (MeV)

56-Ba-131

Radionuclide Production Cross Section

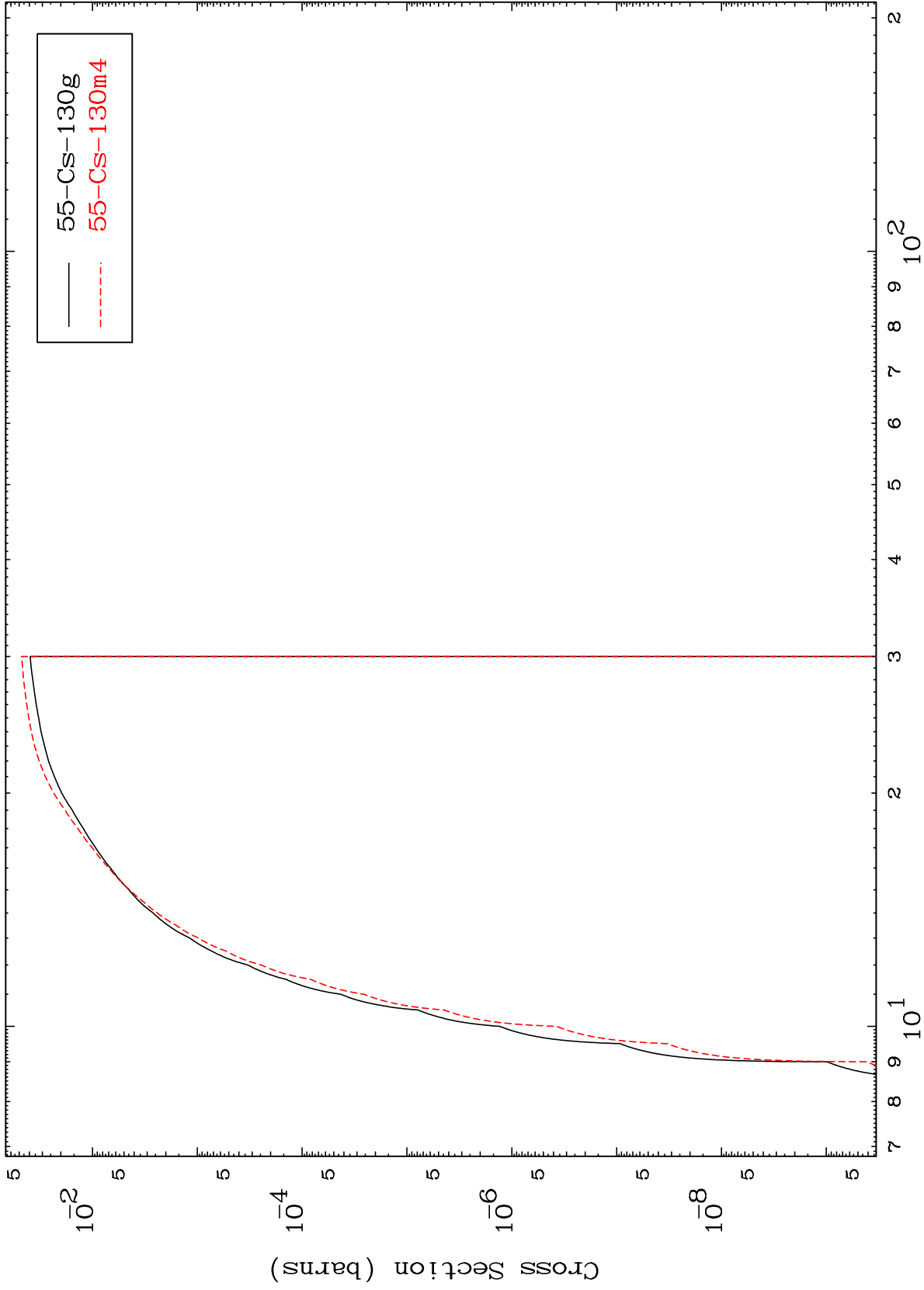


MAT 5628

(n,n') p

56-Ba-131

Radionuclide Production Cross Section



130

Incident Energy (MeV)

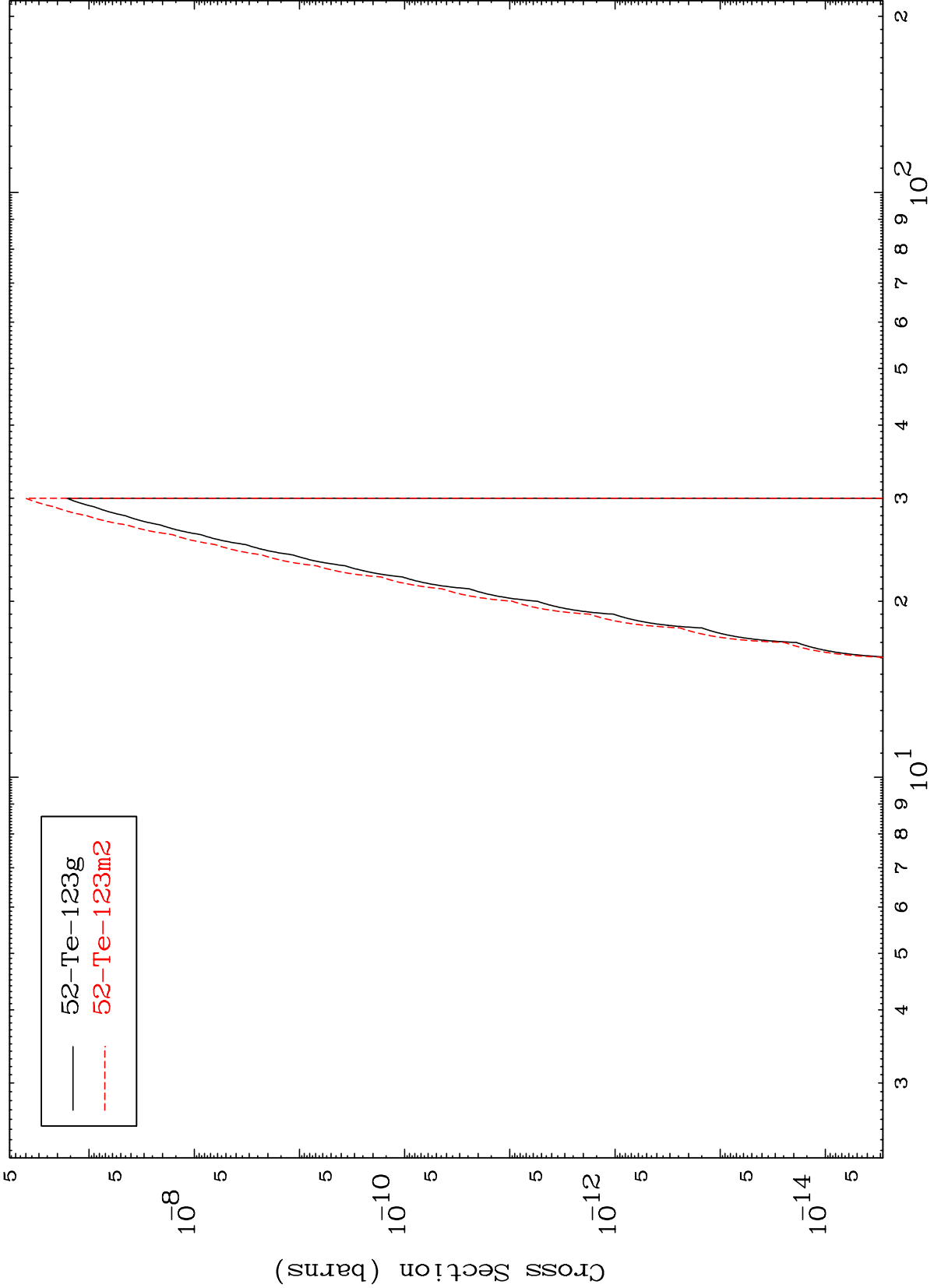
56-Ba-131

MAT 5628

(n,n') 2α

56-Ba-131

Radionuclide Production Cross Section



52-Te-123g  
52-Te-123m2

131

Incident Energy (MeV)

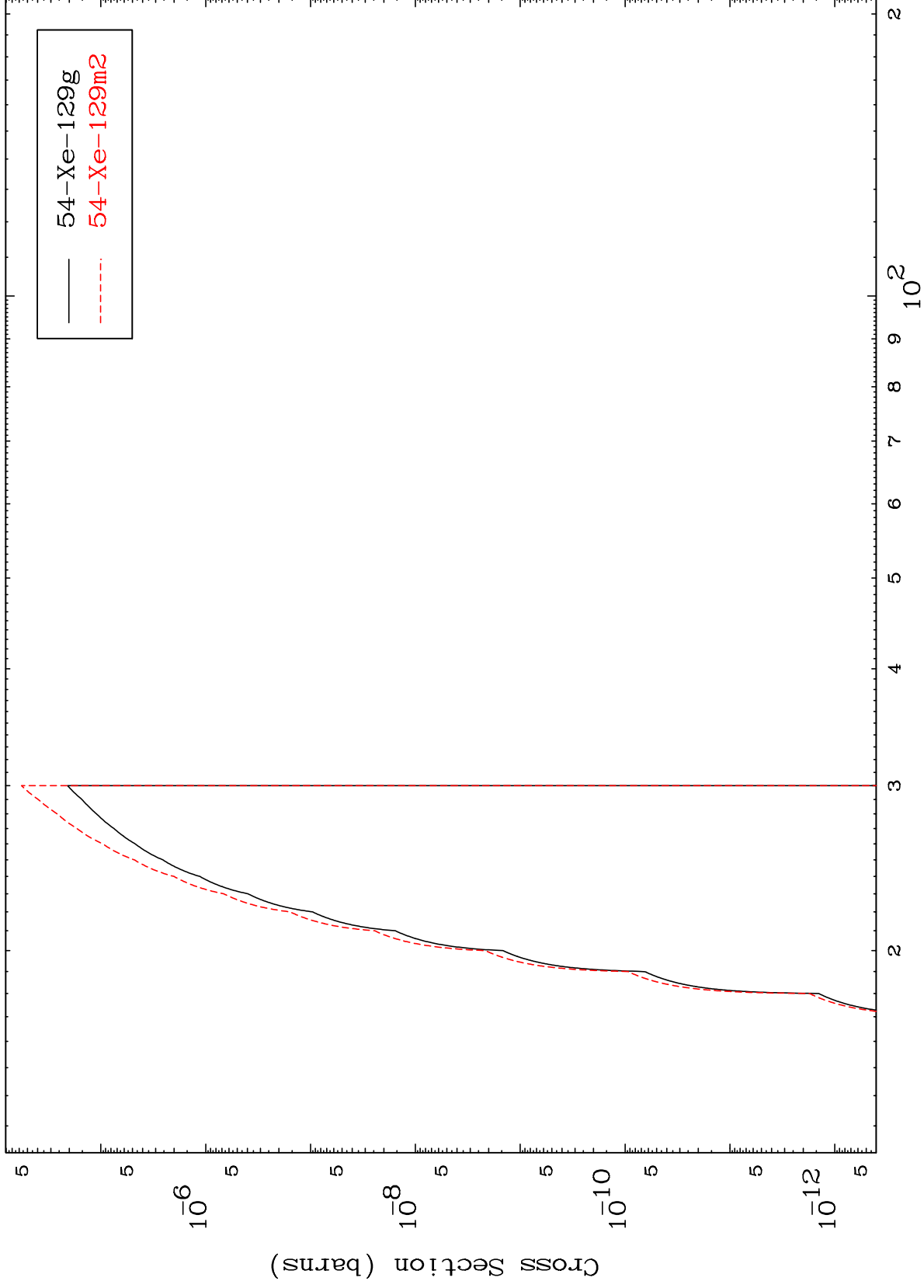
56-Ba-131

MAT 5628

(n,2n) p

56-Ba-131

Radionuclide Production Cross Section



132

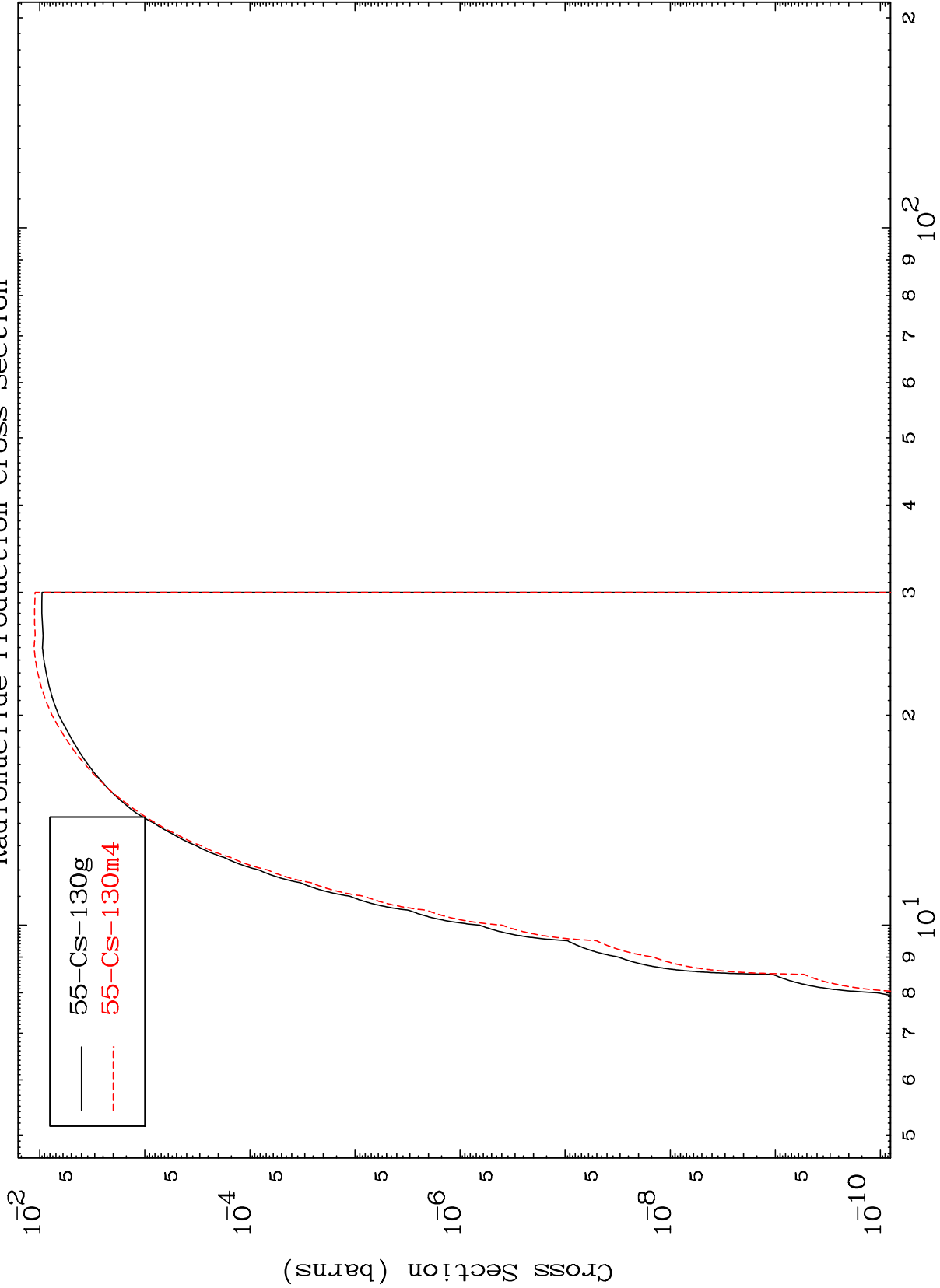
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,d)  
Radionuclide Production Cross Section



56-Ba-131

Incident Energy (MeV)

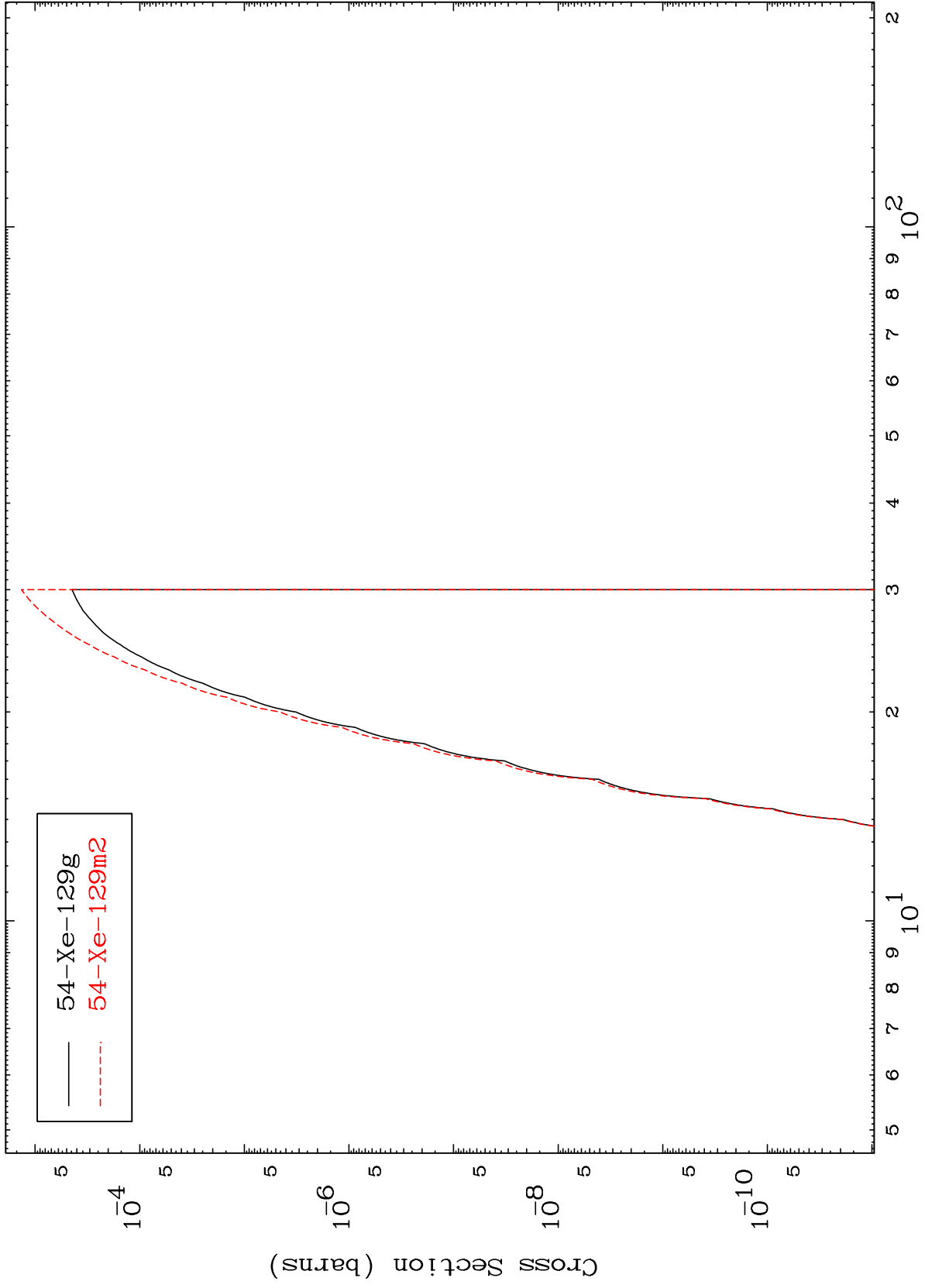
133

MAT 5628

(n,He-3)

56-Ba-131

Radionuclide Production Cross Section



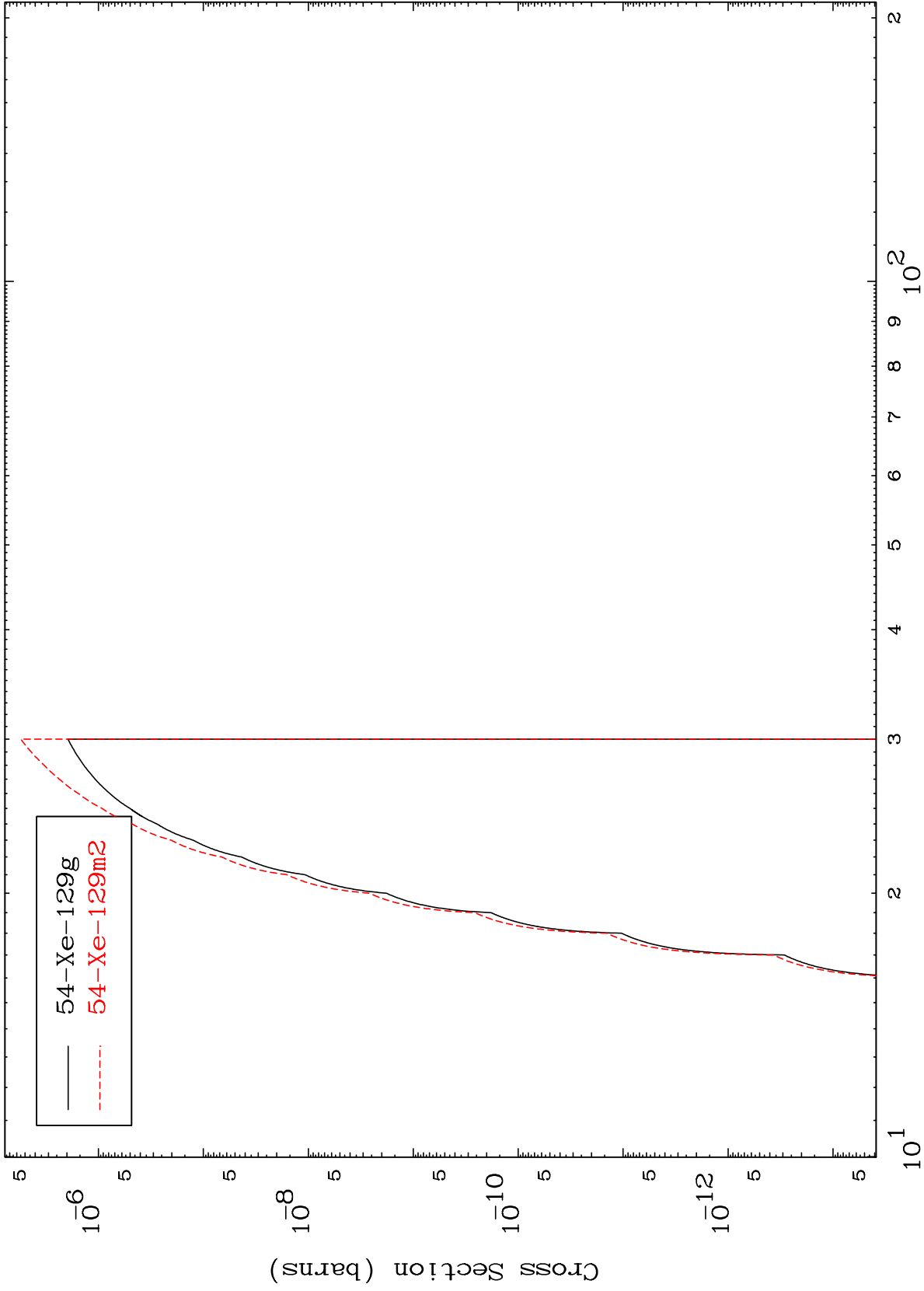
54-Xe-129g  
54-Xe-129m2

MAT 5628

(n,p) d

56-Ba-131

Radionuclide Production Cross Section



Incident Energy (MeV)

56-Ba-131

135