

Program EVALPLOT  
(Version 2021-1)

by

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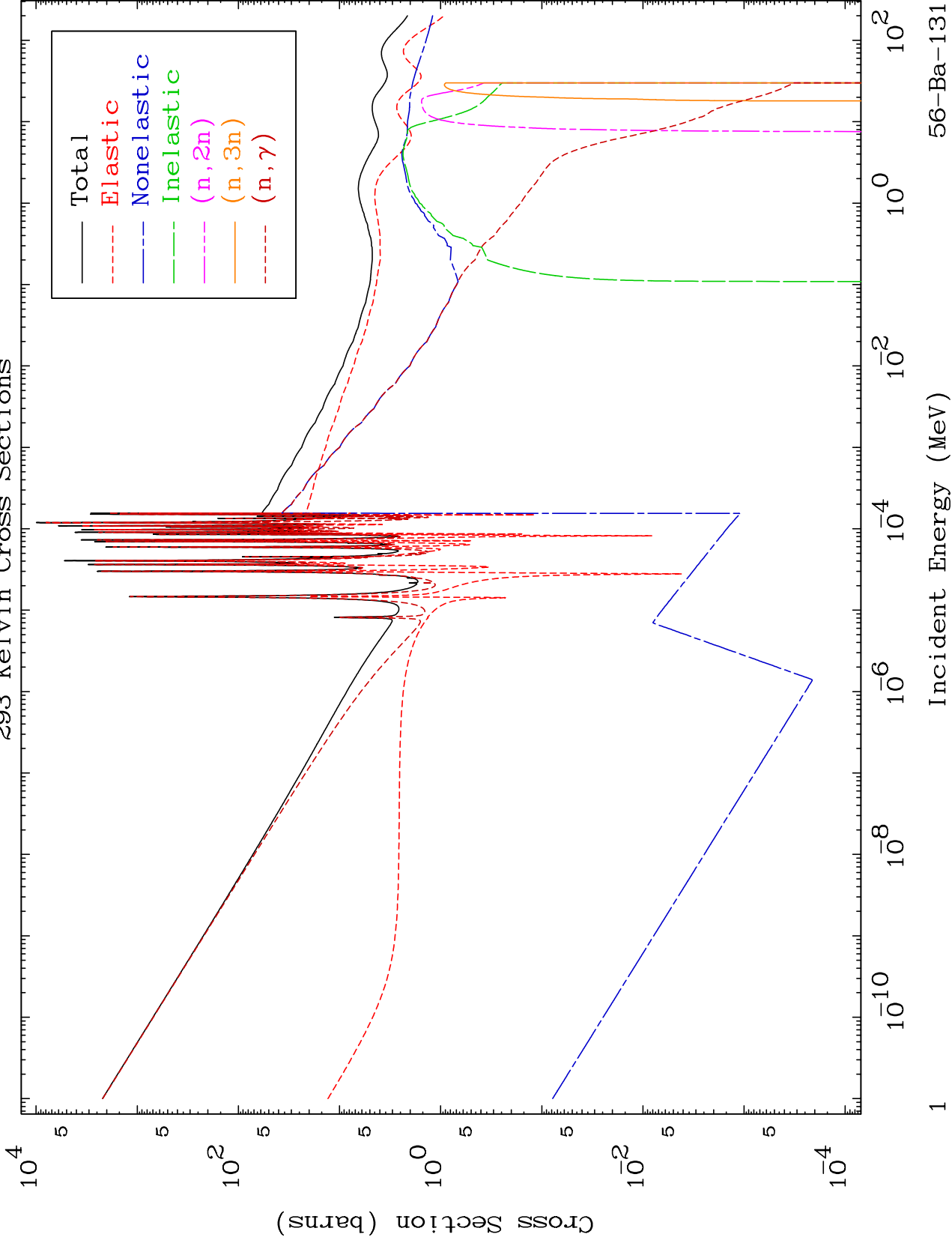
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5628

Neutron Major  
293 Kelvin Cross Sections

56-Ba-131



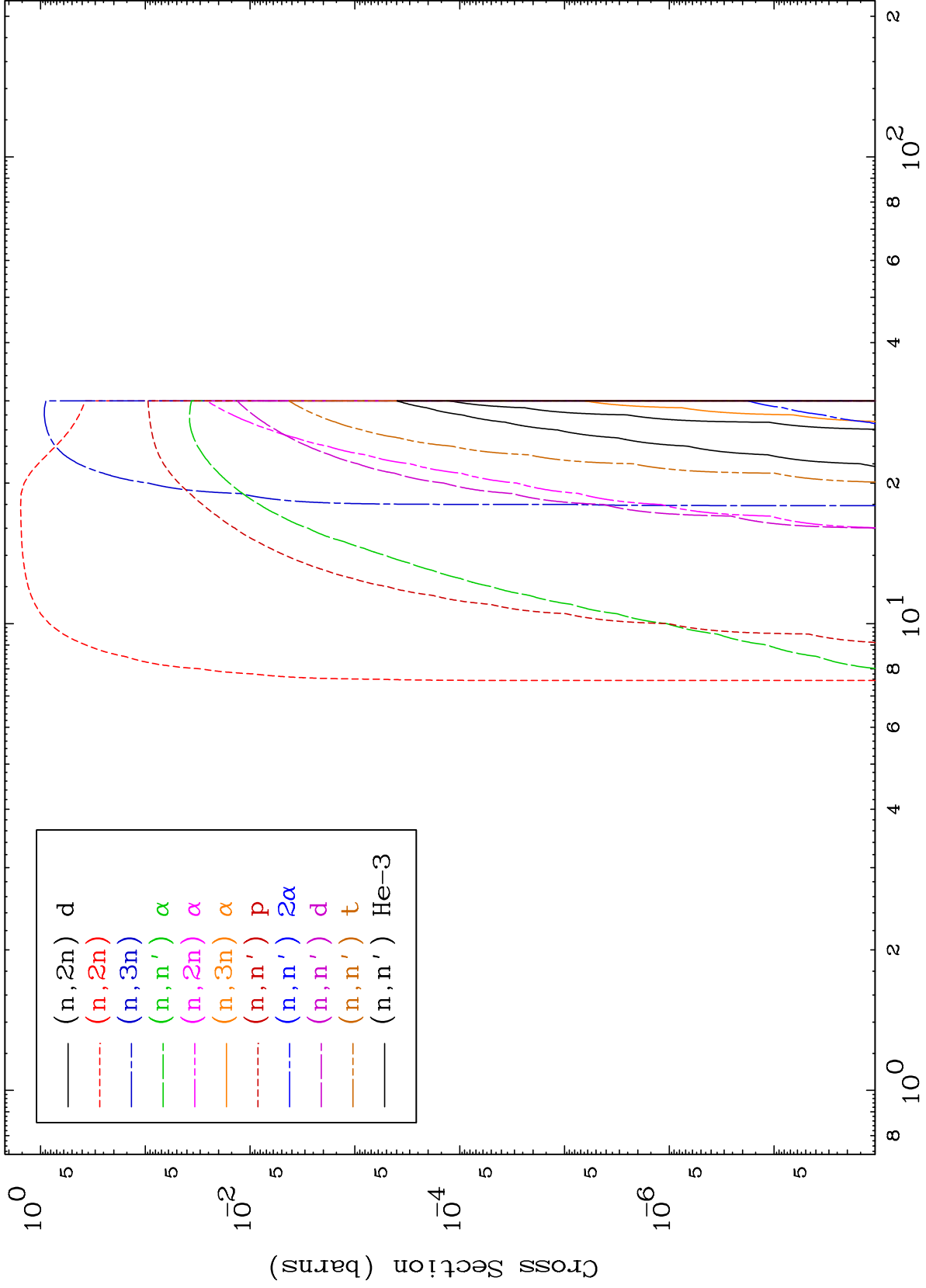
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56-Ba-131

MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-131



56-Ba-131

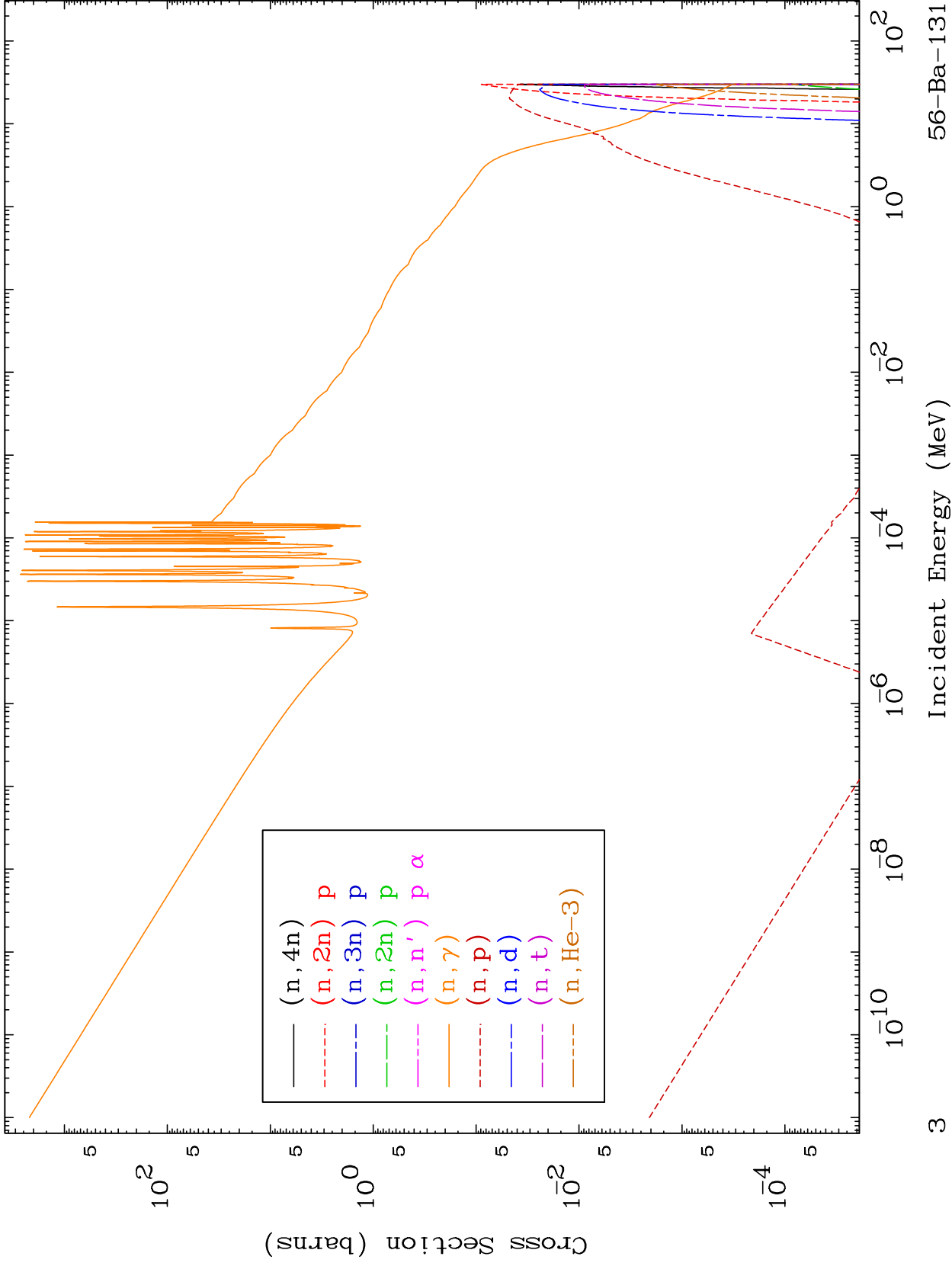
Incident Energy (MeV)

2

MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

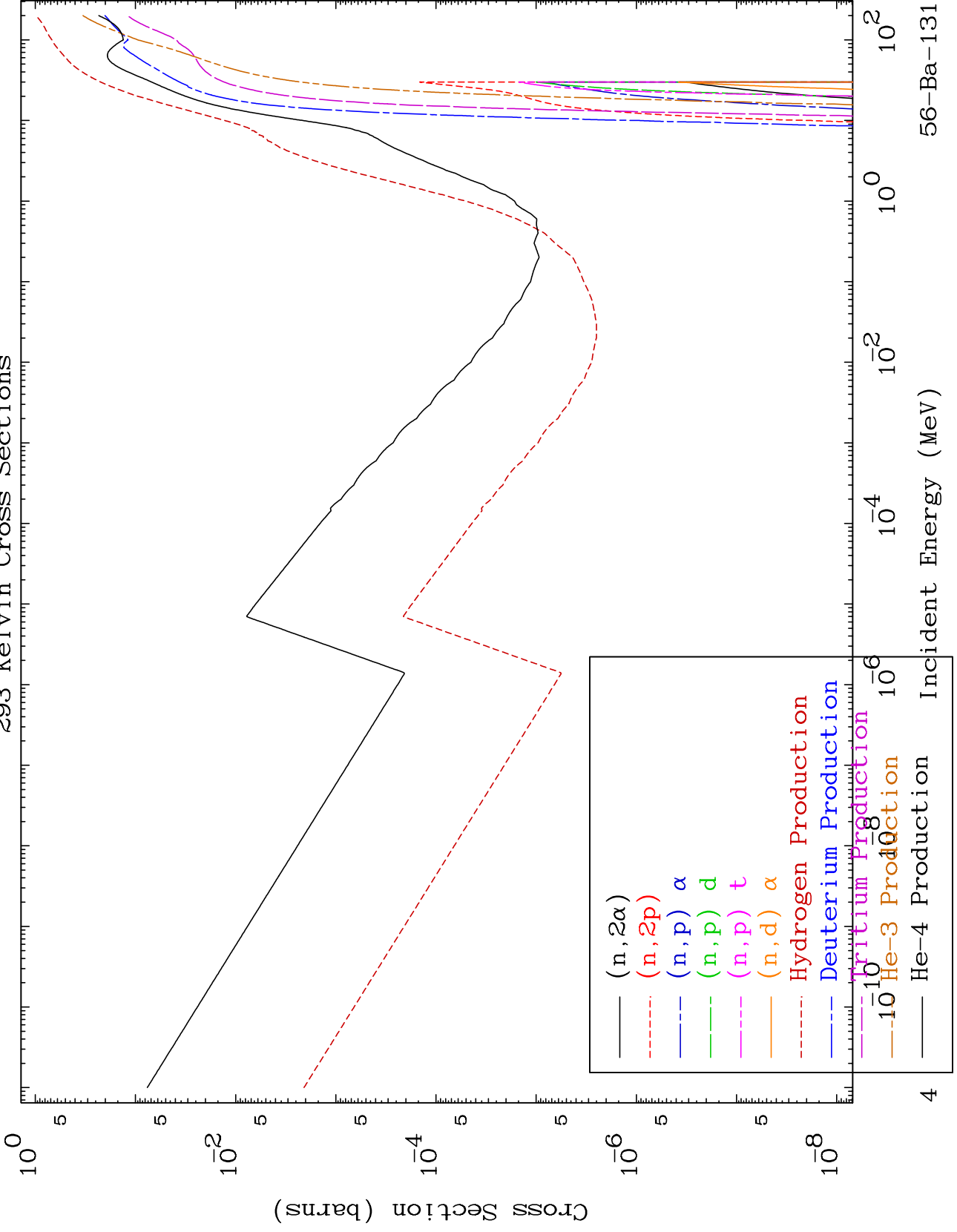
56-Ba-131



MAT 5628

Neutron Absorption  
293 Kelvin Cross Sections

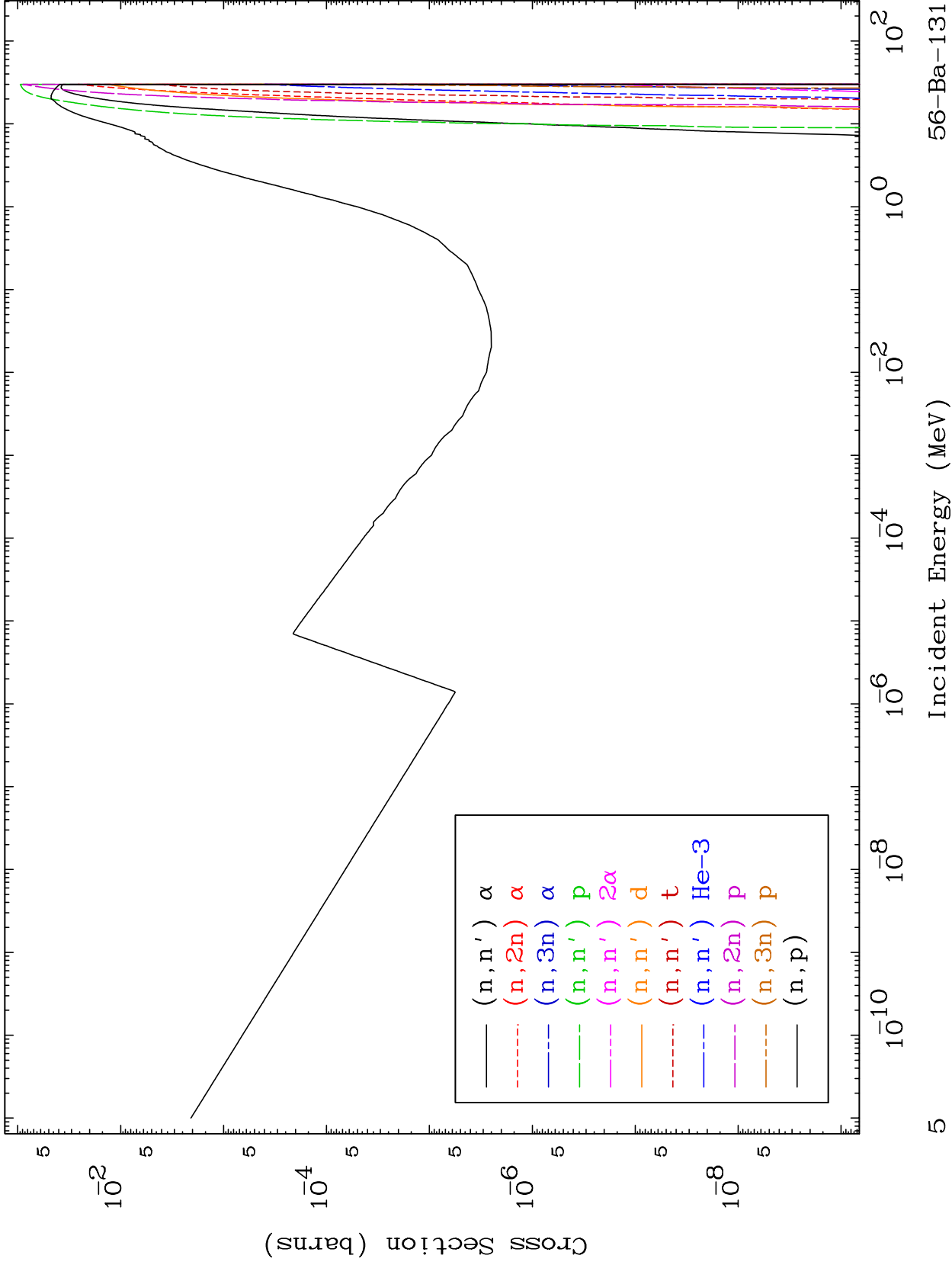
56-Ba-131



MAT 5628

Charged Particle  
293 Kelvin Cross Sections

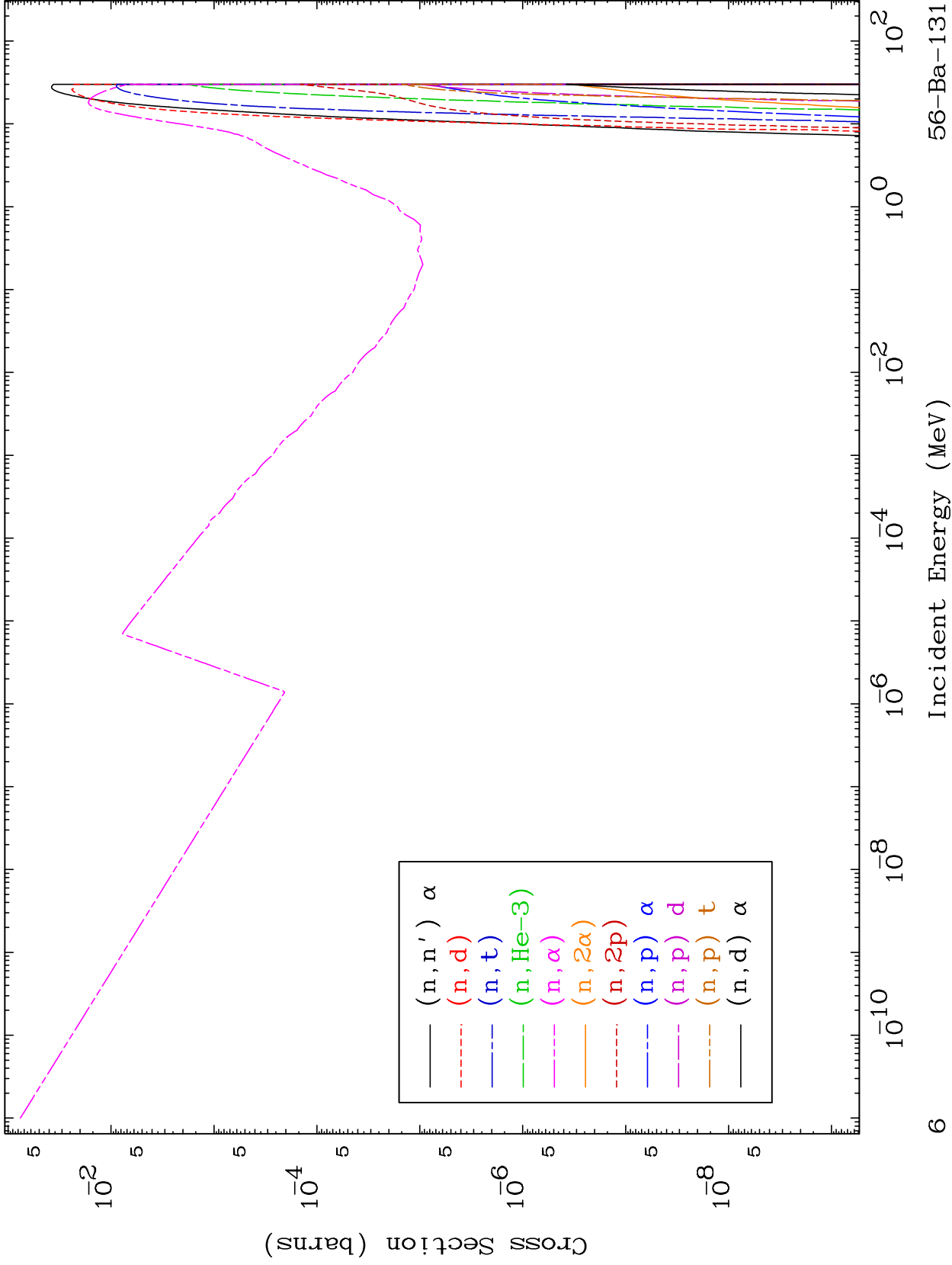
56-Ba-131



MAT 5628

Charged Particle  
293 Kelvin Cross Sections

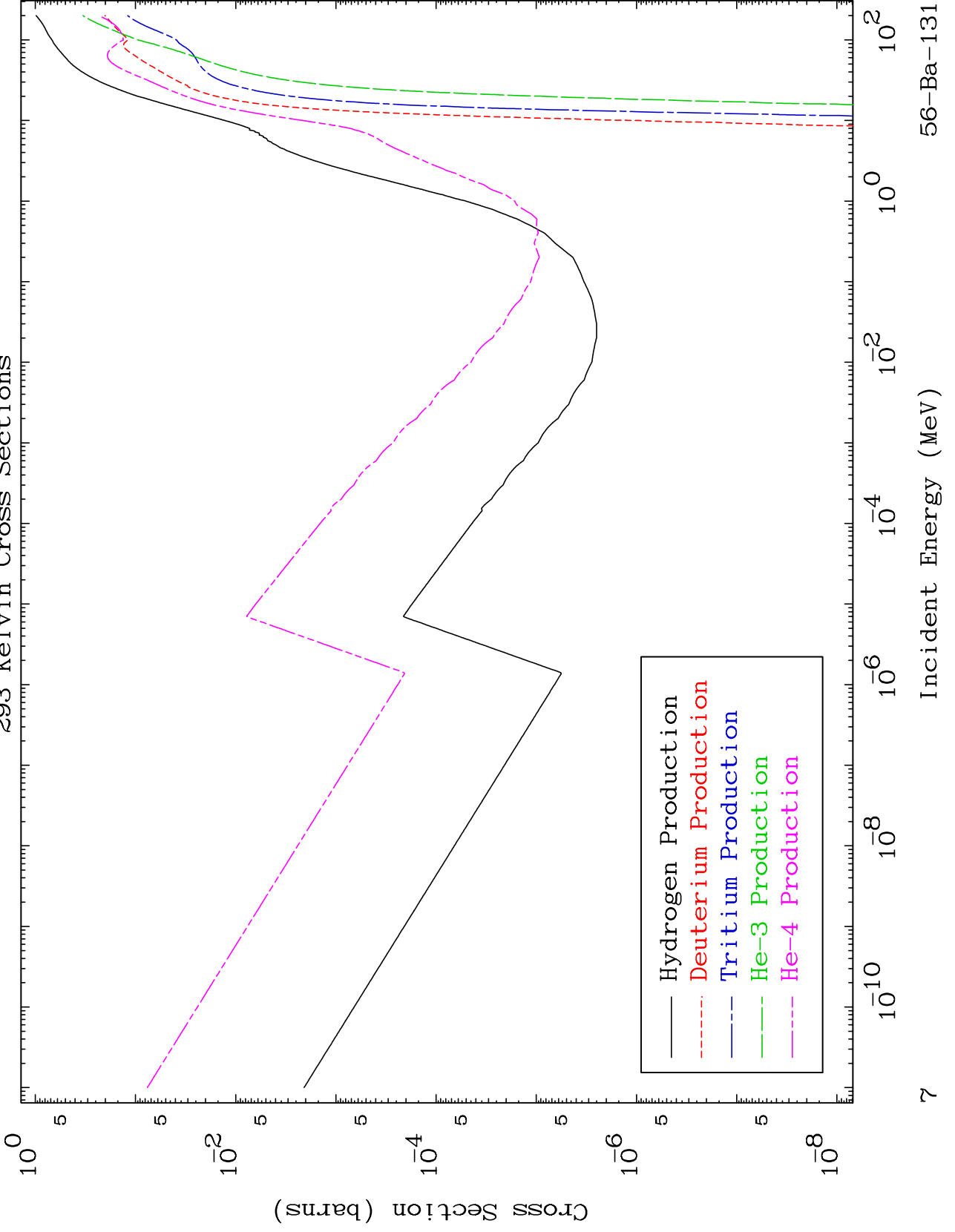
56-Ba-131



MAT 5628

Particle Production  
293 Kelvin Cross Sections

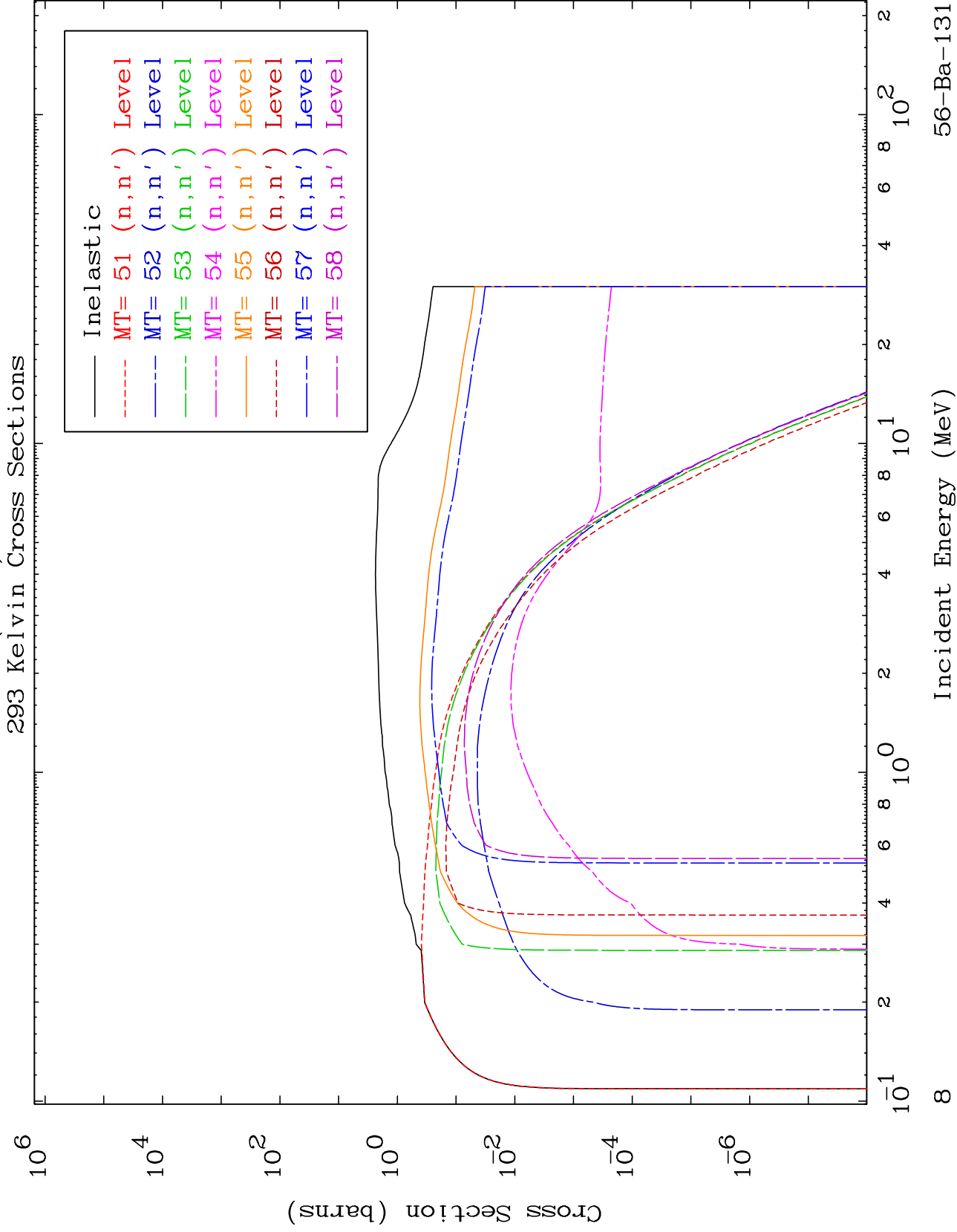
56-Ba-131



MAT 5628

(n,n') Levels

56-Ba-131

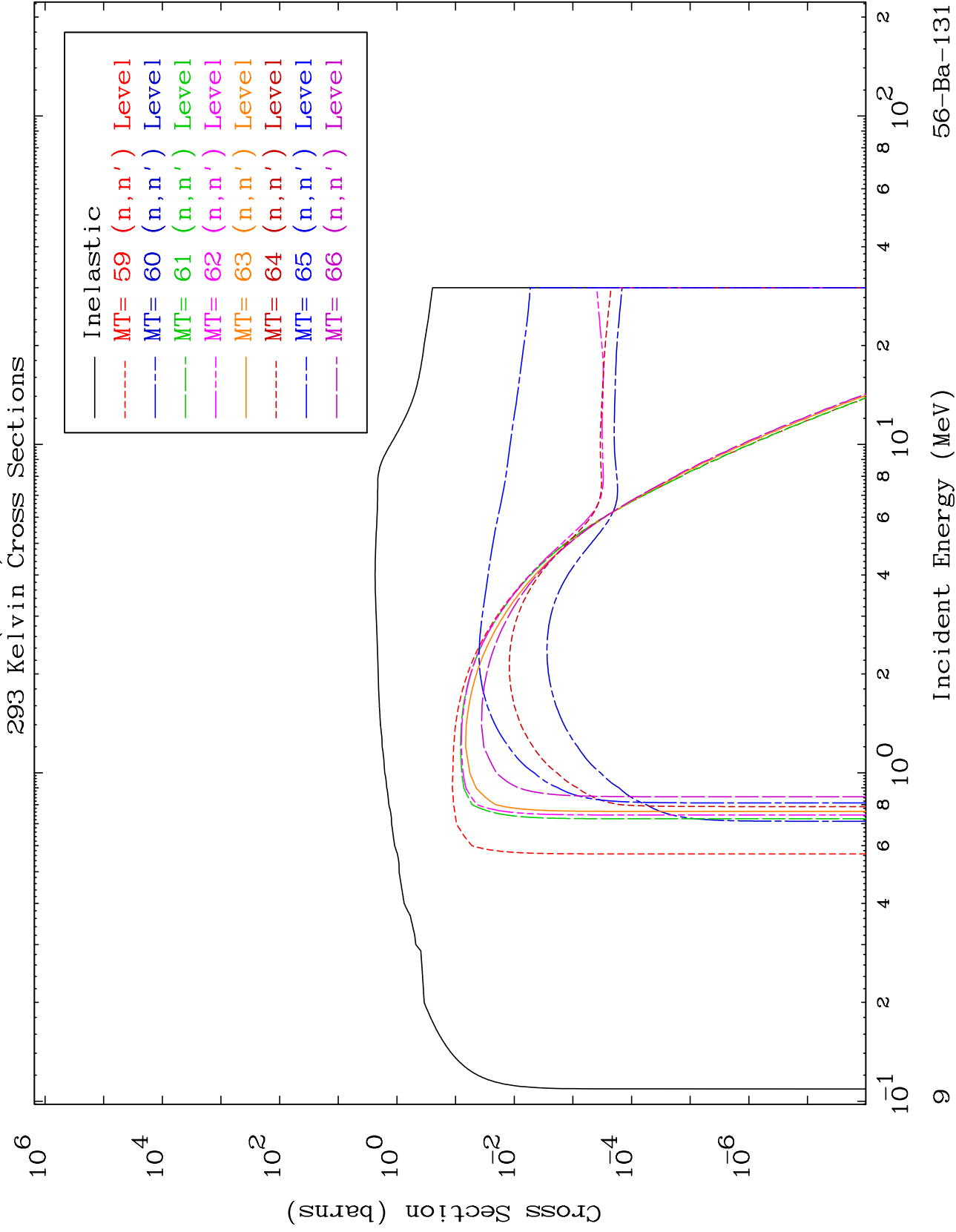


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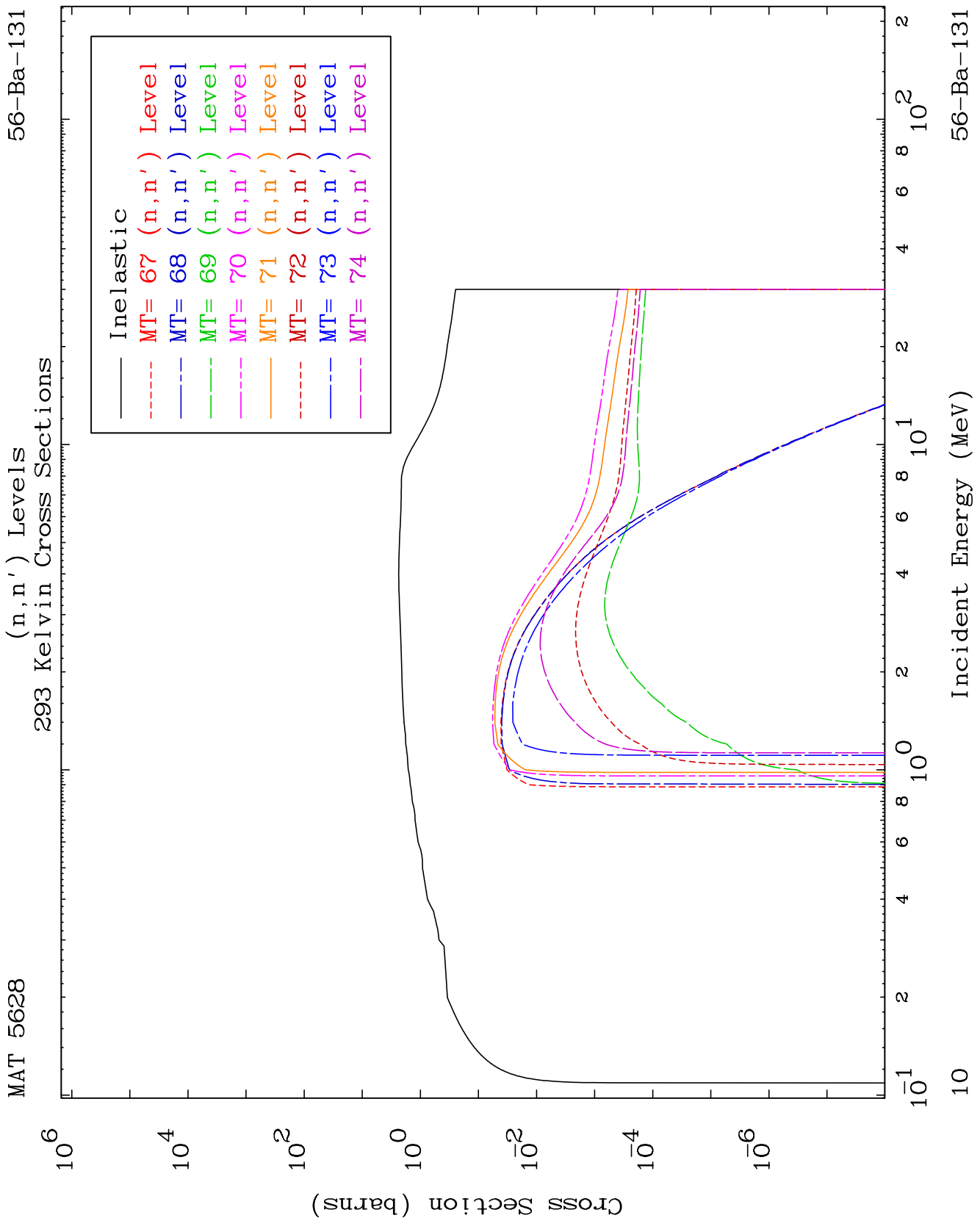
MAT 5628

(n,n') Levels

56-Ba-131



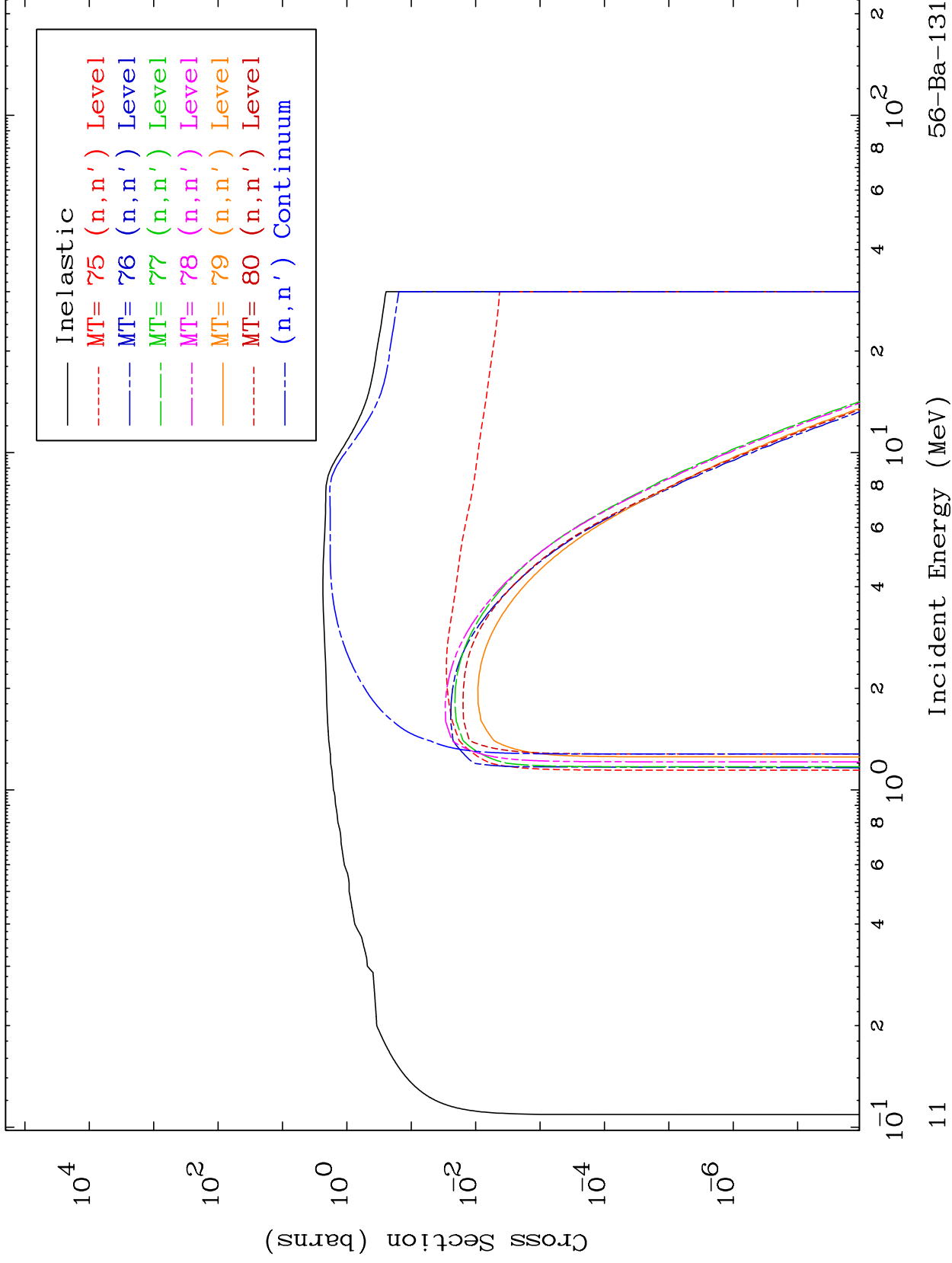
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MAT 5628

(n,n') Levels  
293 Kelvin Cross Sections

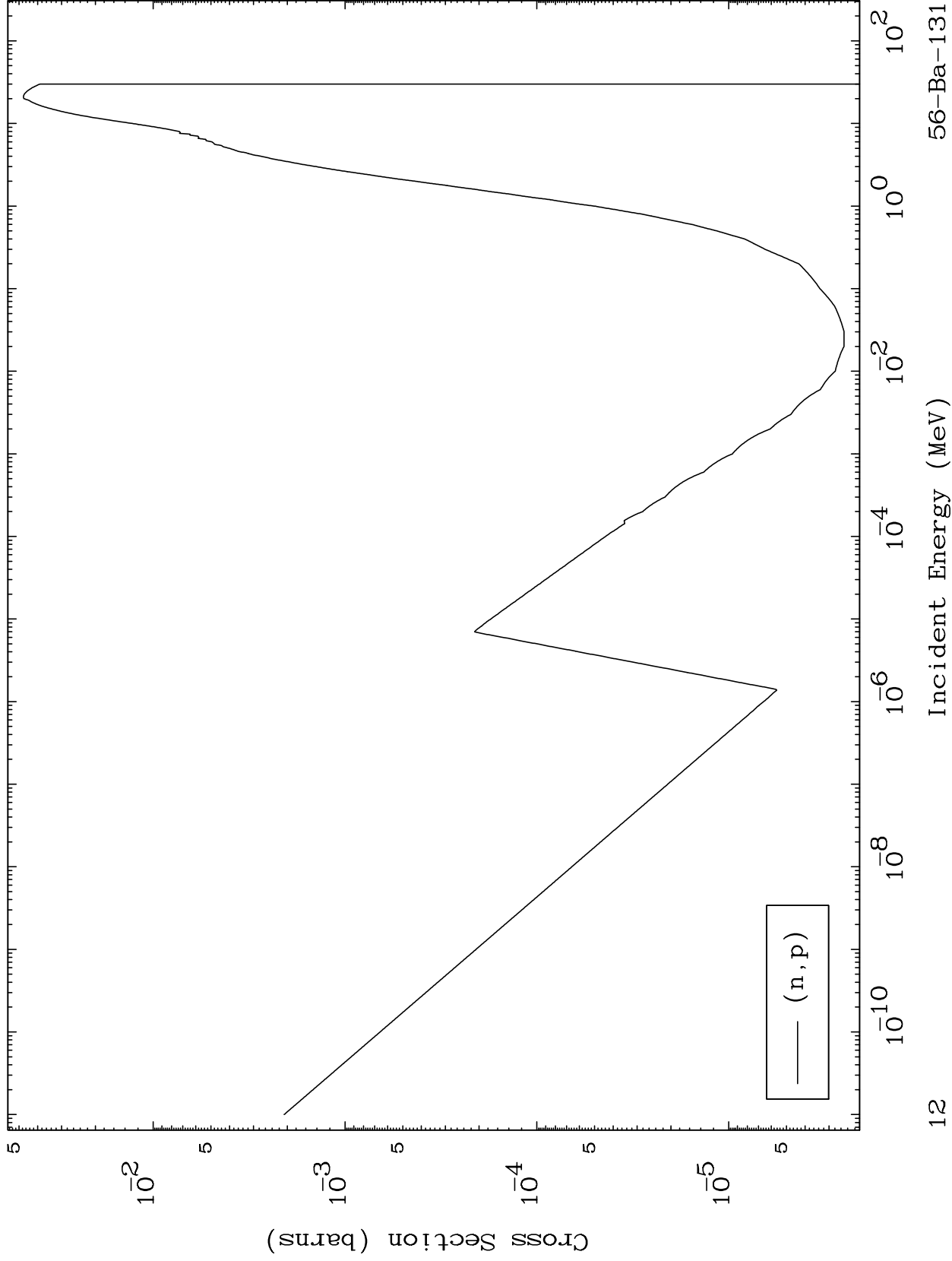
56-Ba-131



MAT 5628

(n,p) Levels  
293 Kelvin Cross Sections

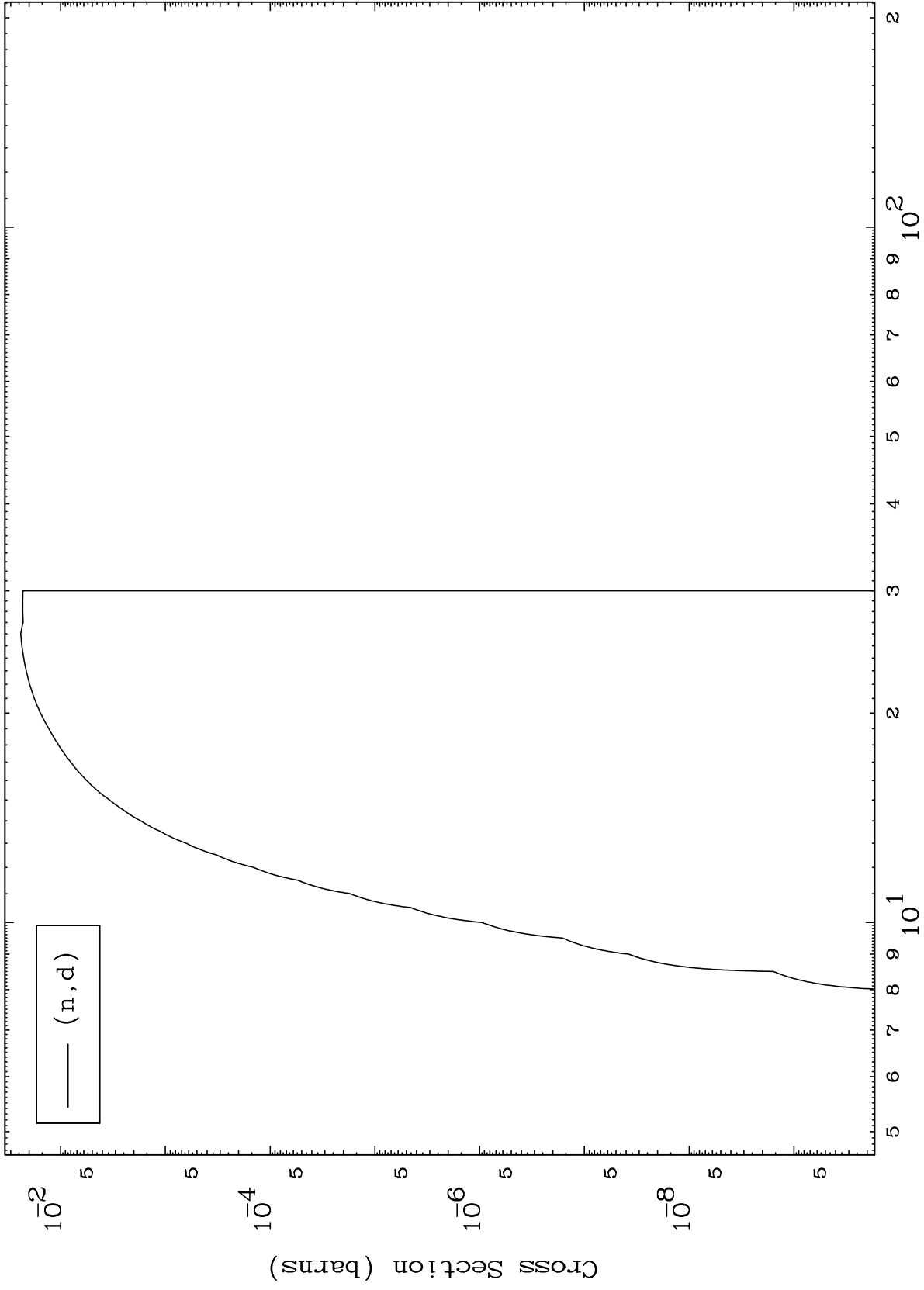
56-Ba-131



MAT 5628

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-131



13

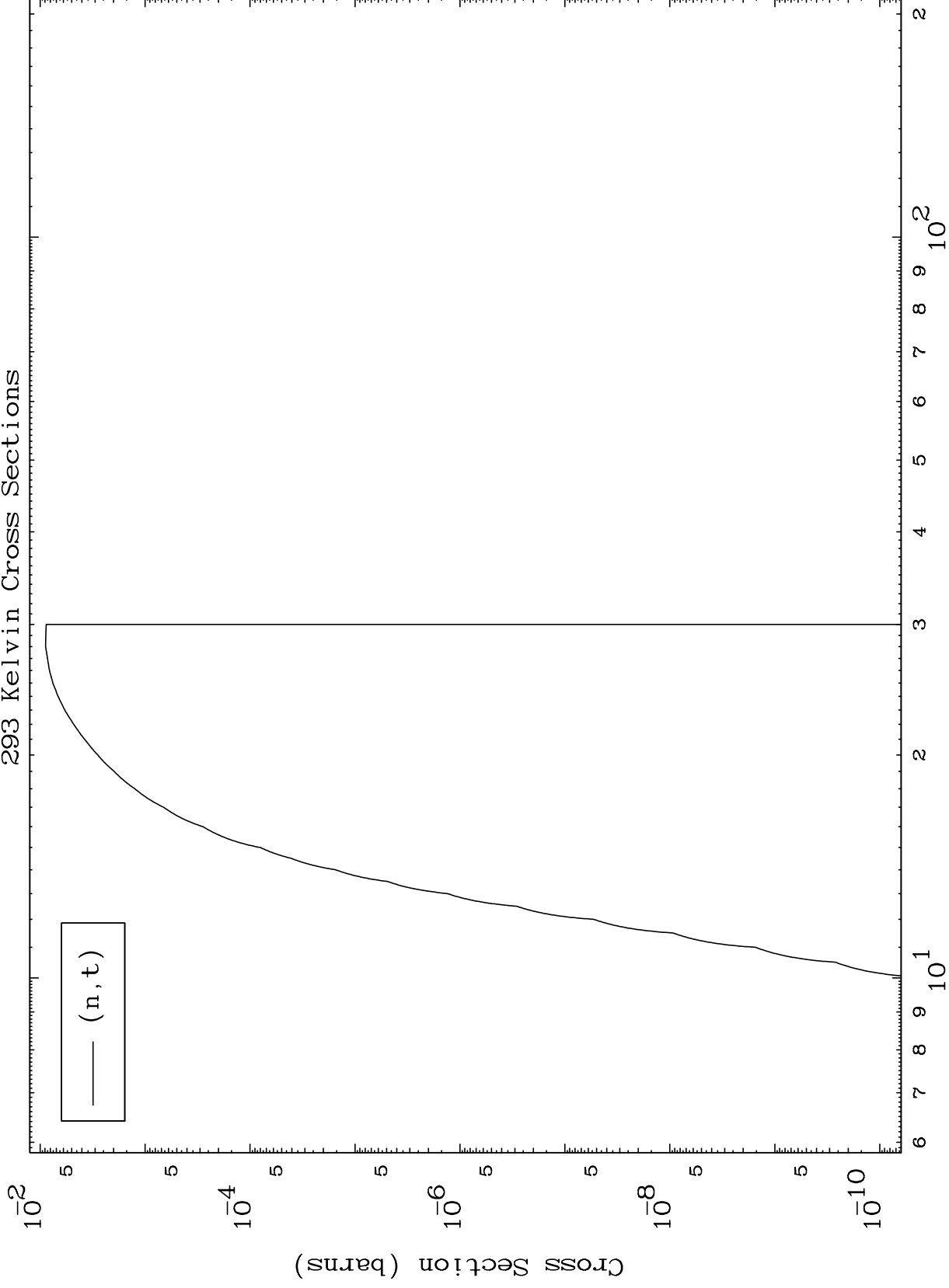
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-131



14

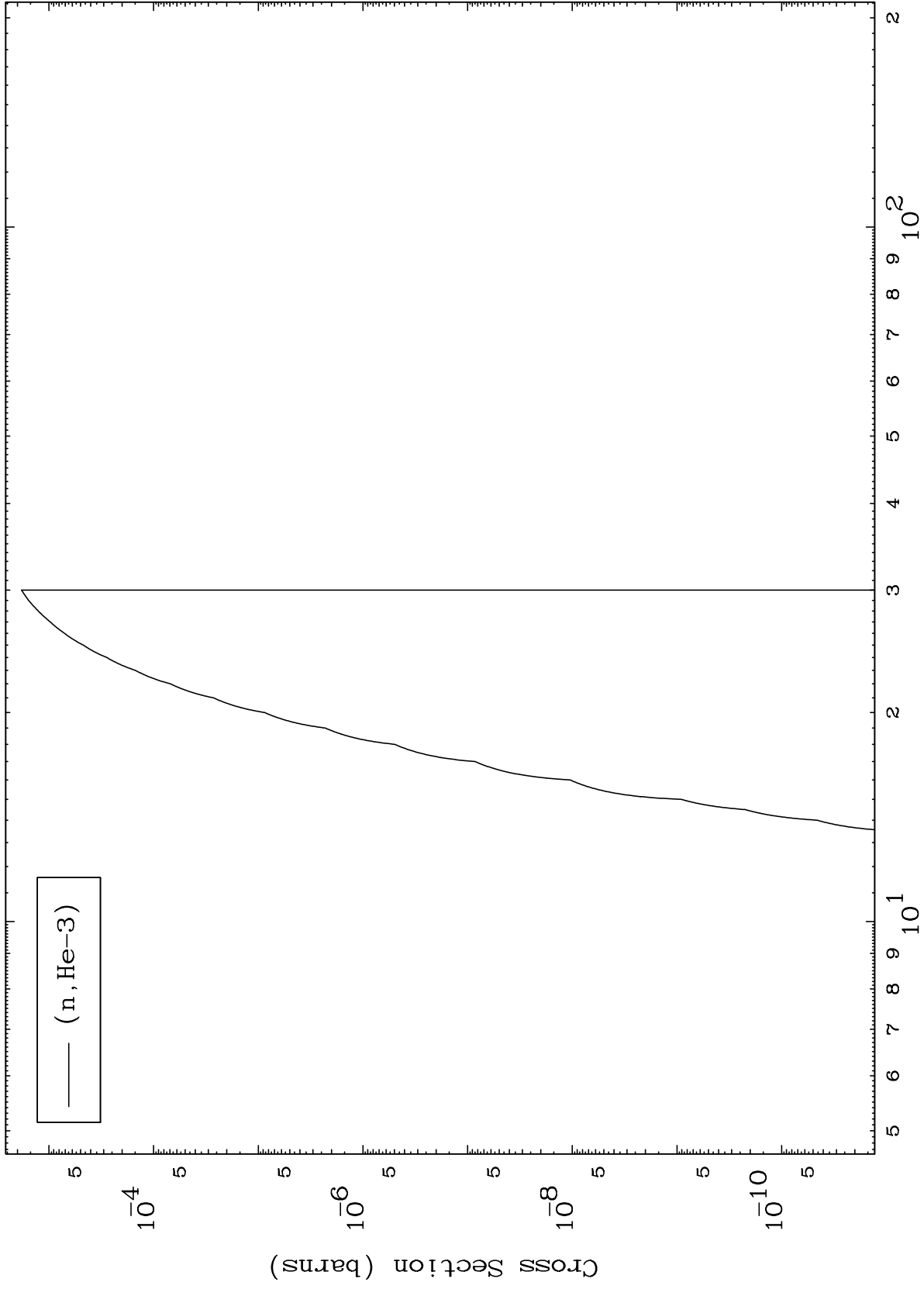
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,He3) Levels  
293 Kelvin Cross Sections



15

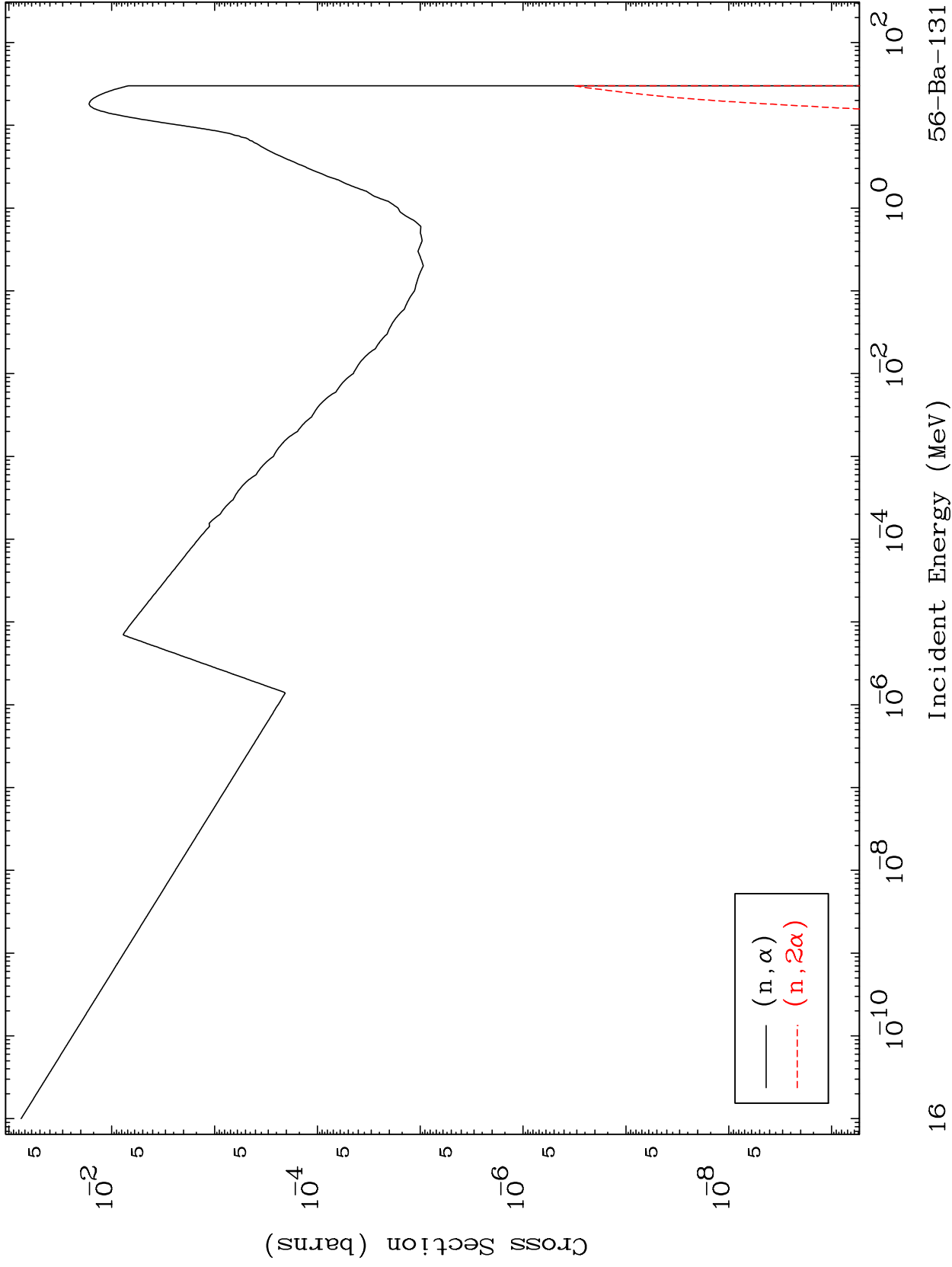
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,α) Levels  
293 Kelvin Cross Sections

56-Ba-131



16

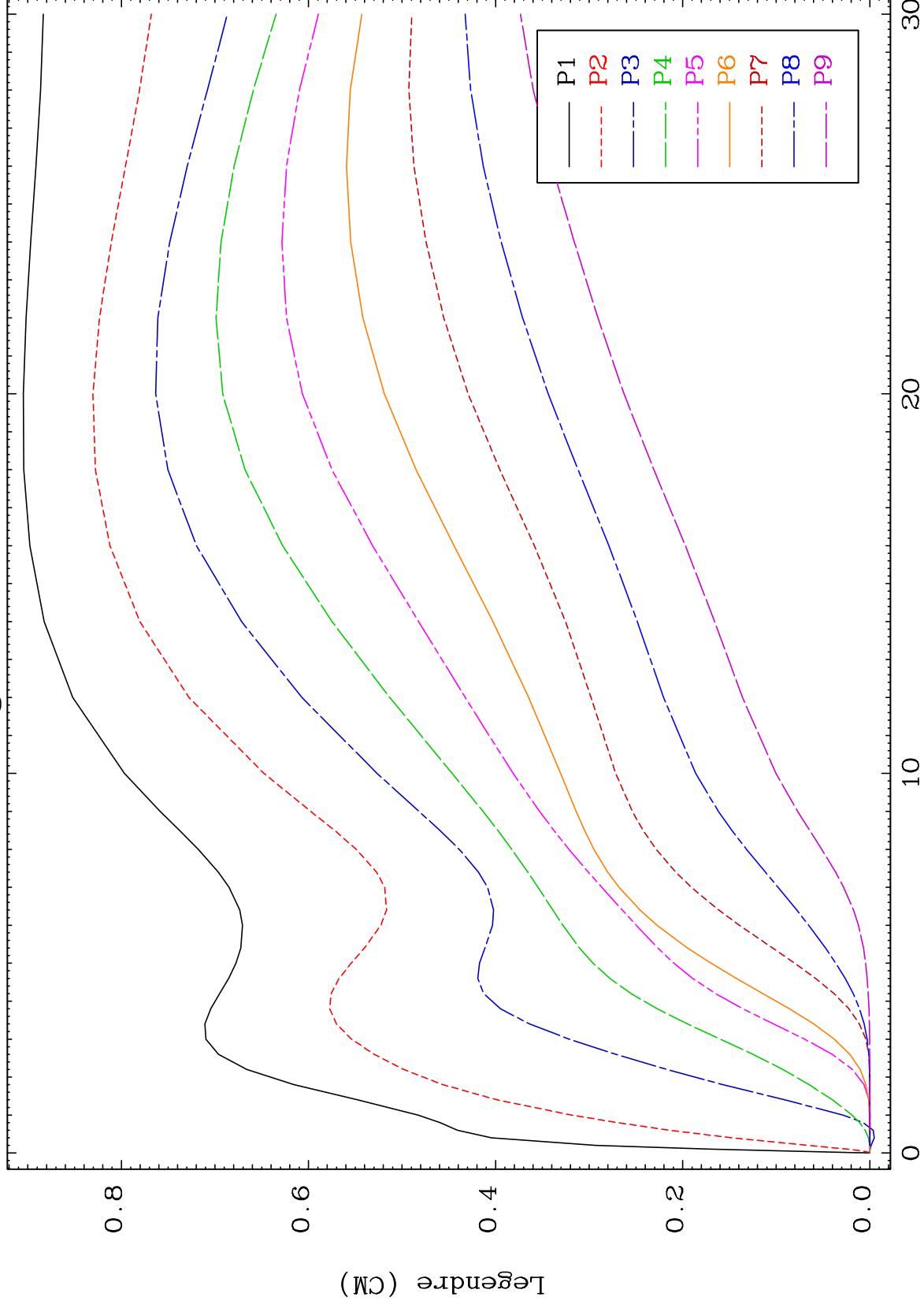
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56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



17

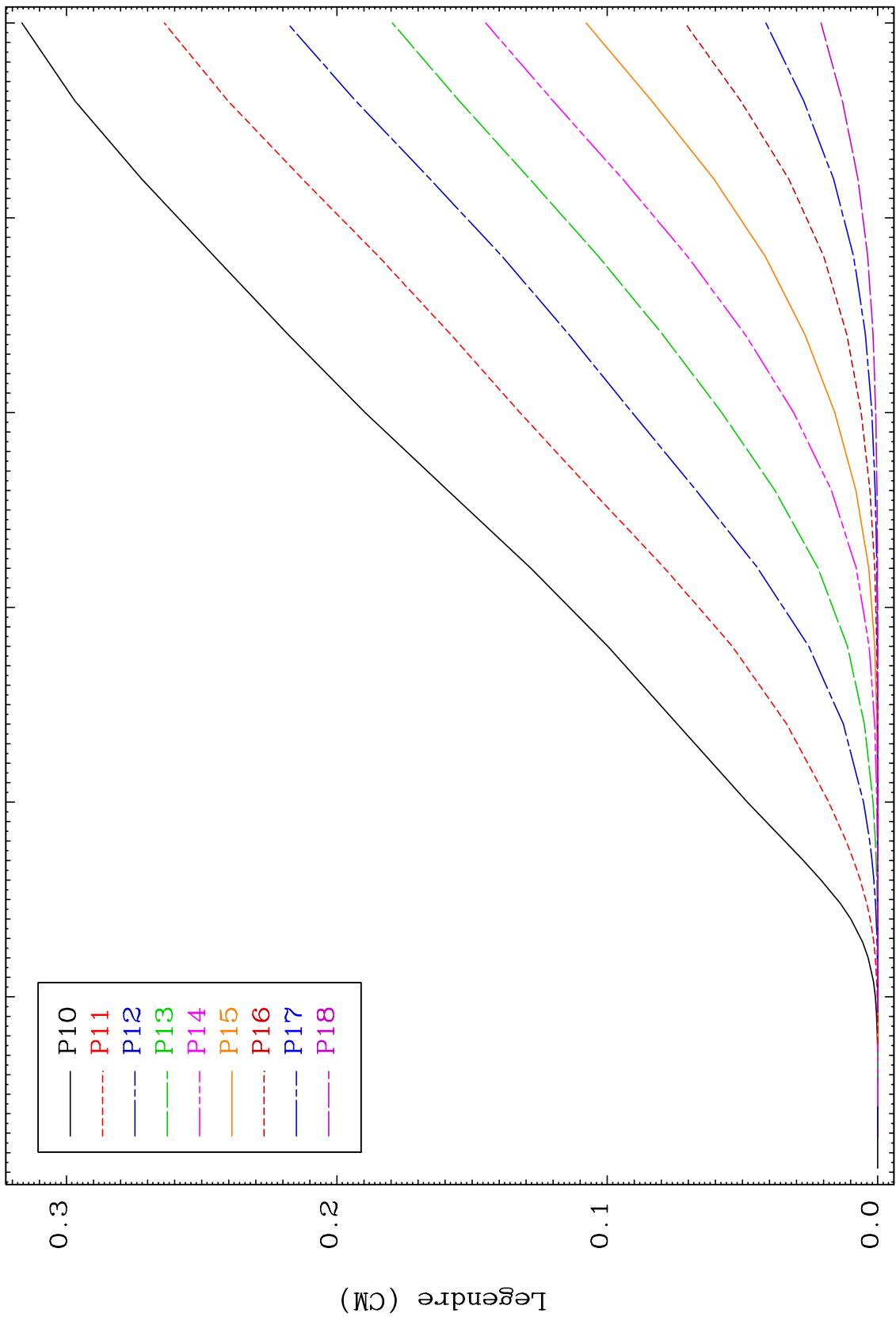
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



18

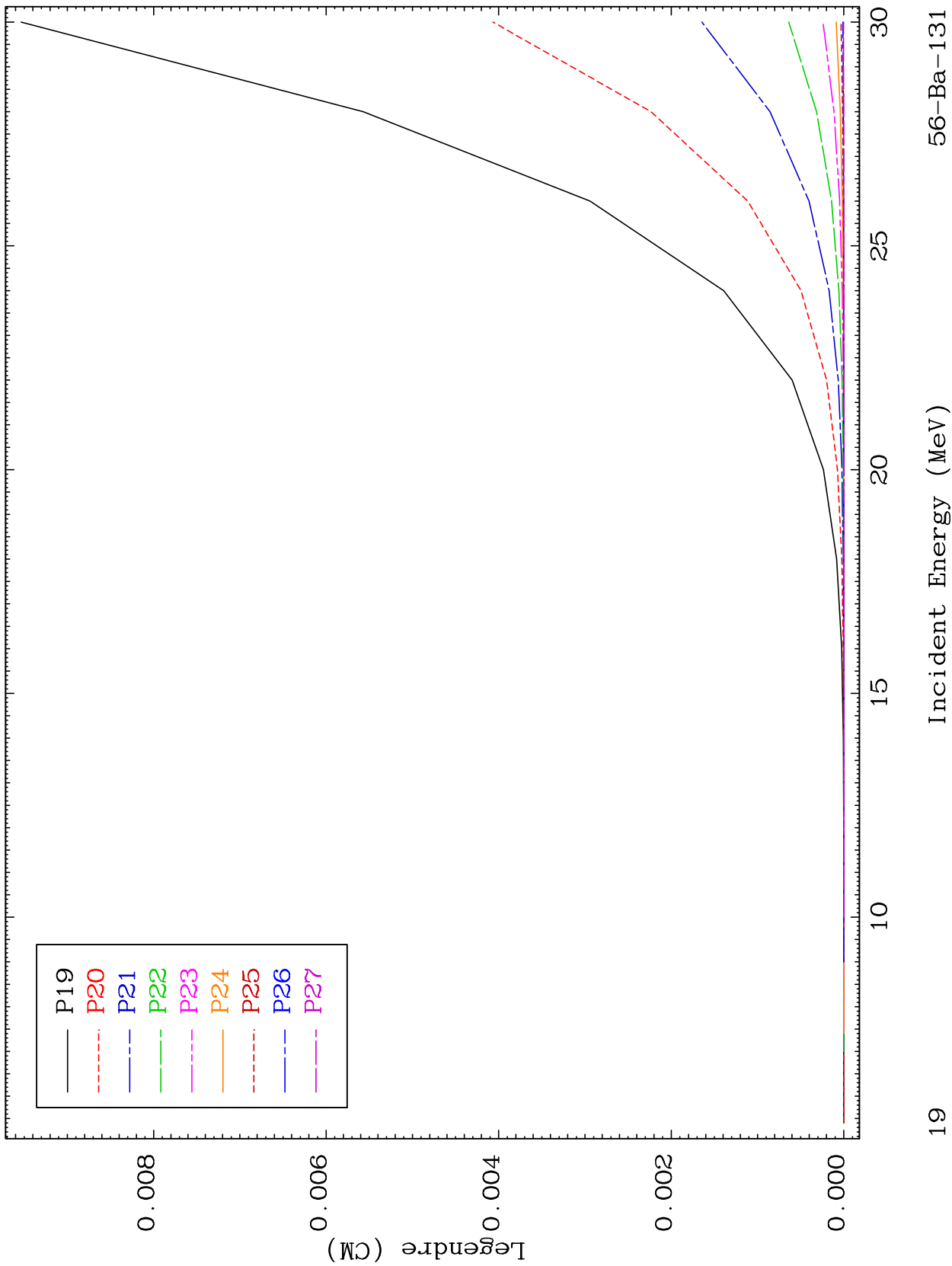
Incident Energy (MeV)

56-Ba-131

MAT 5628

### Elastic Legendre Coefficients

56-Ba-131



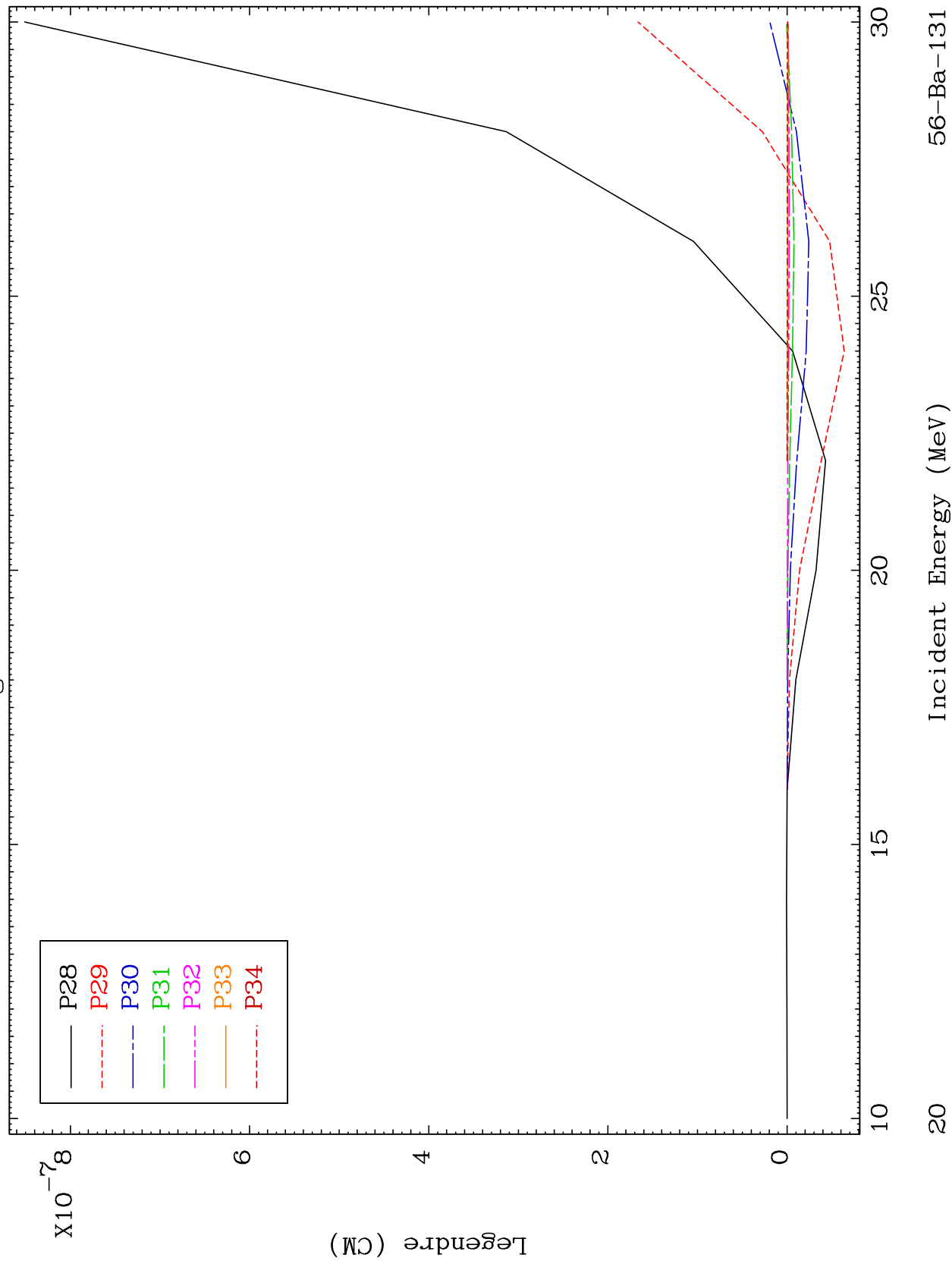
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56-Ba-131

MAT 5628

Elastic Legendre Coefficients

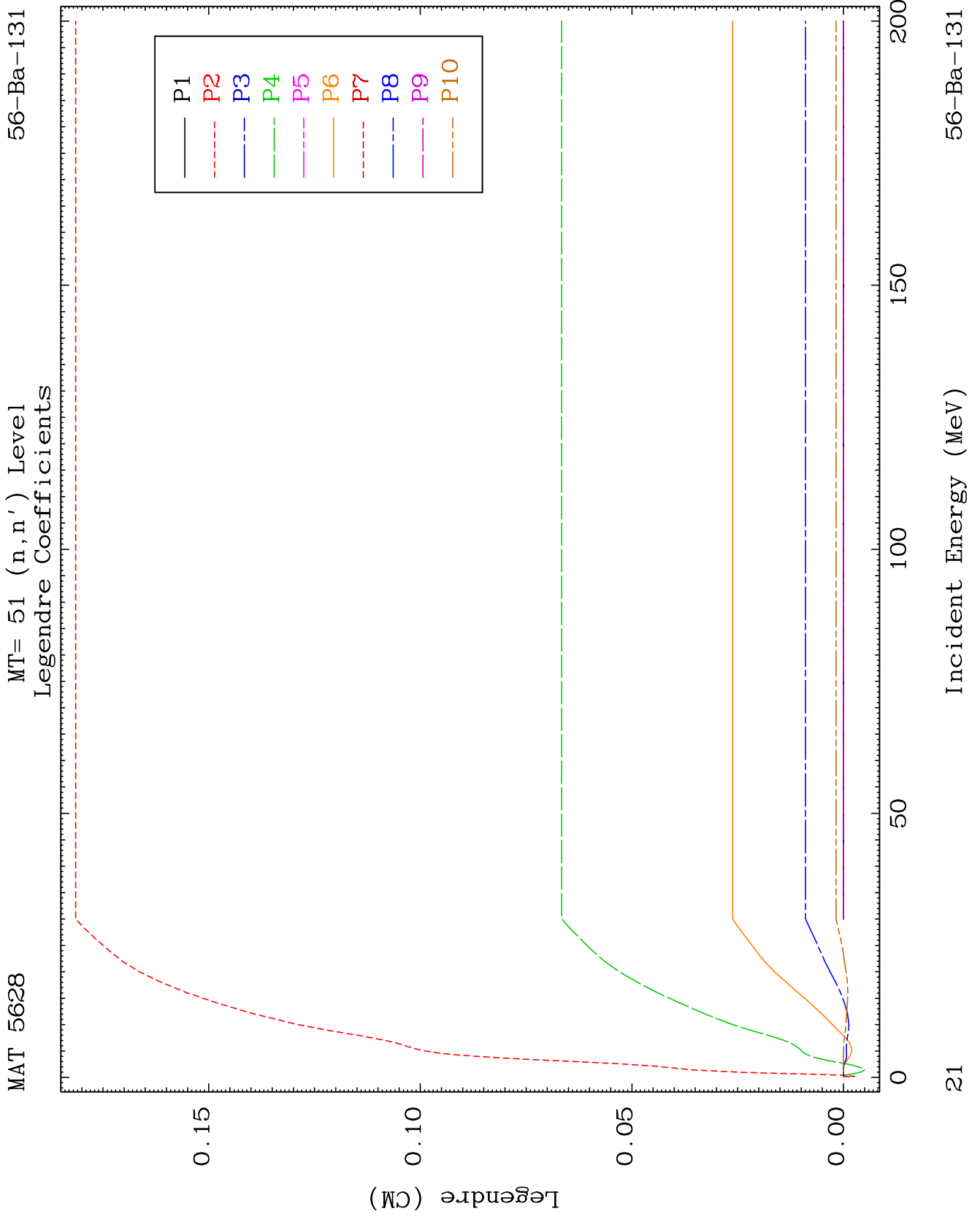
56-Ba-131



20

Incident Energy (MeV)

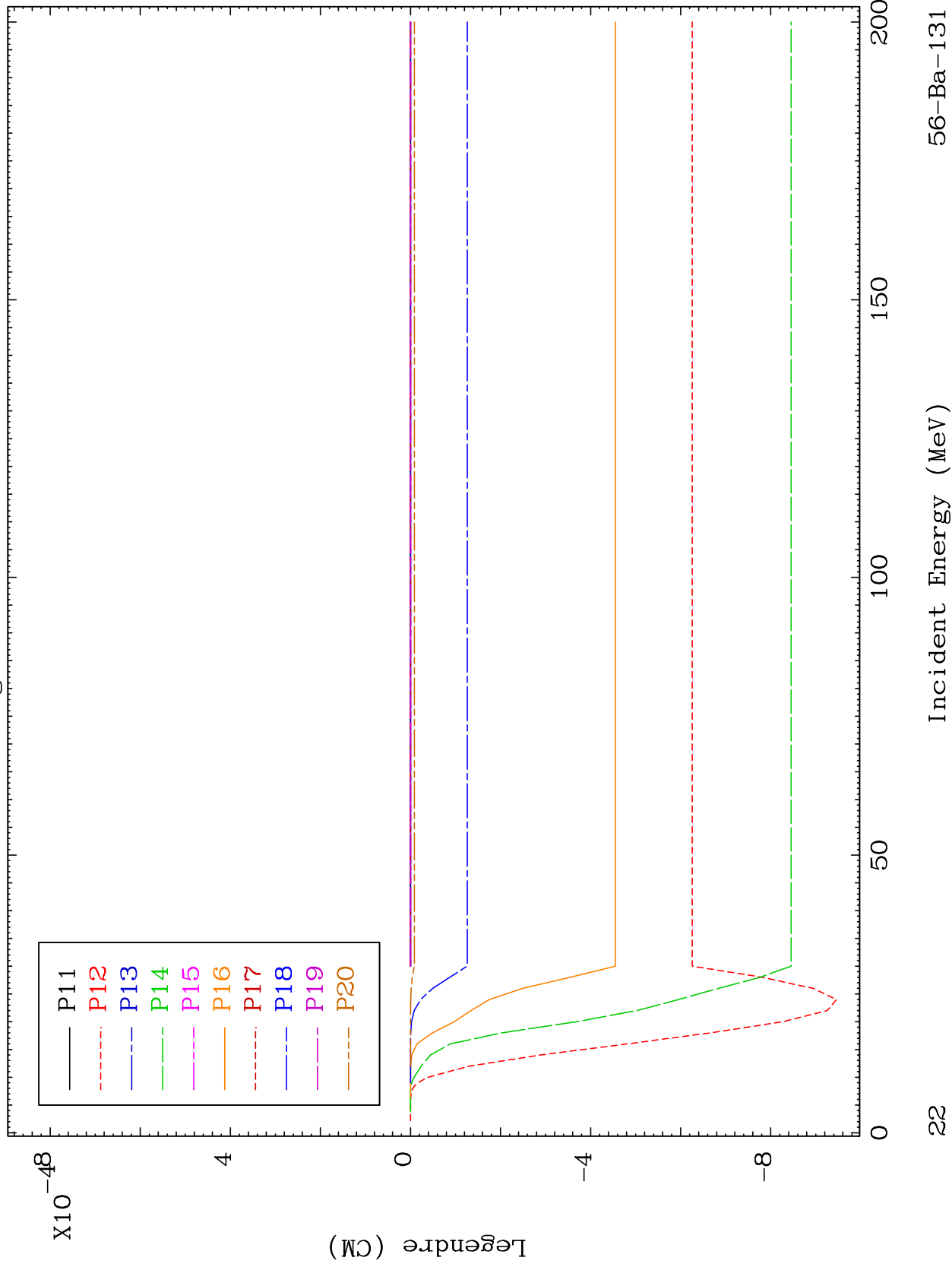
56-Ba-131



MAT 5628

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

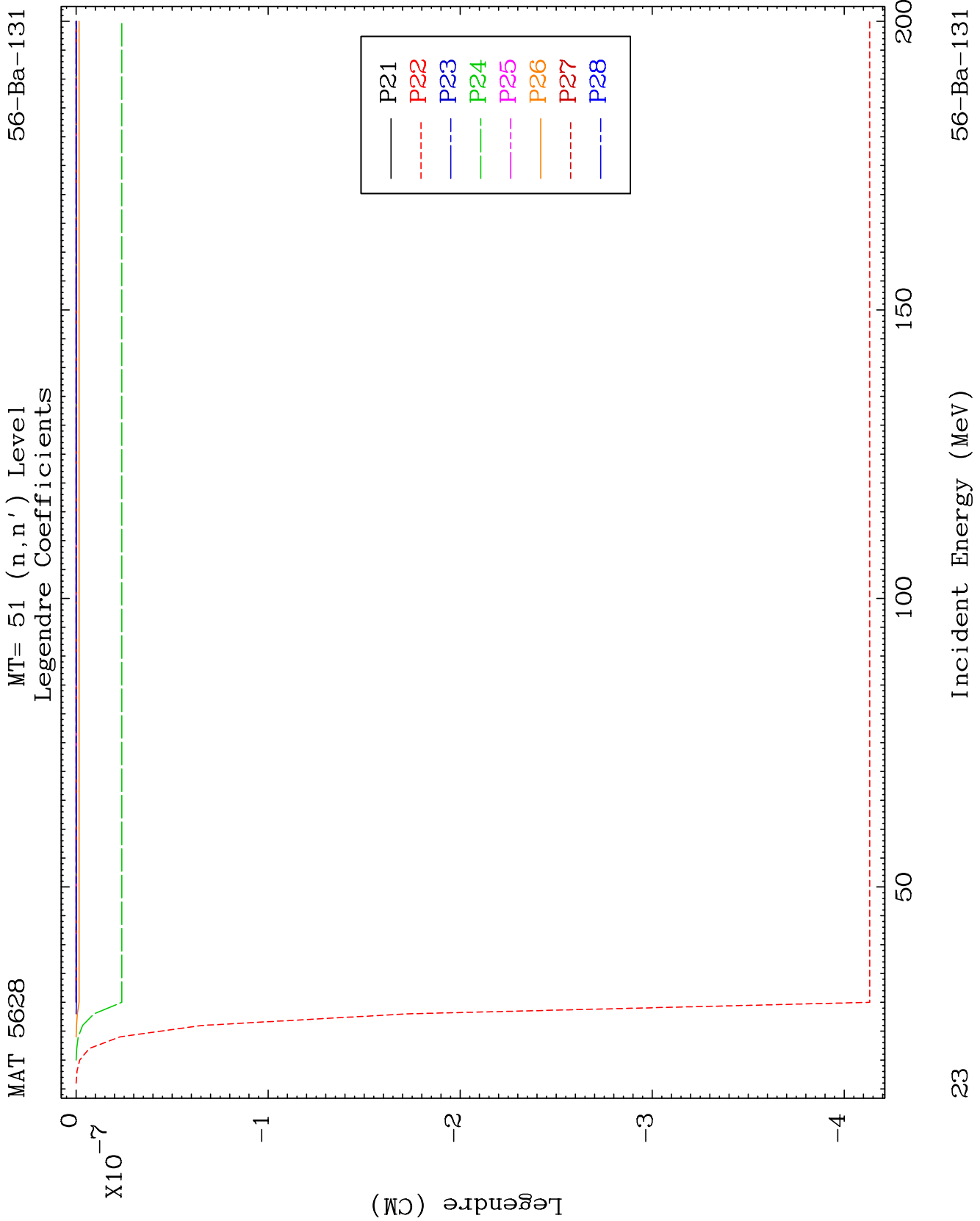
56-Ba-131

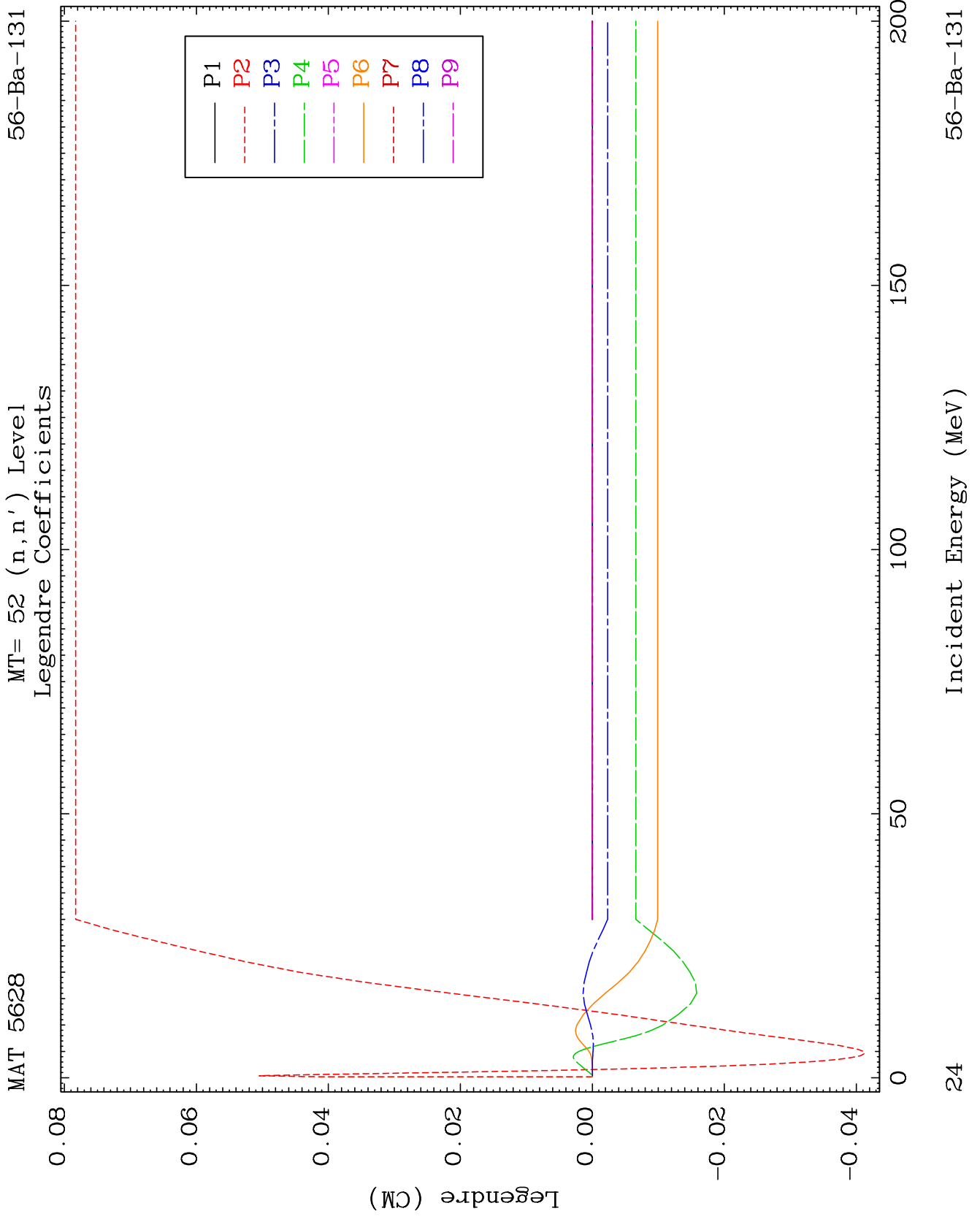


22

Incident Energy (MeV)

56-Ba-131

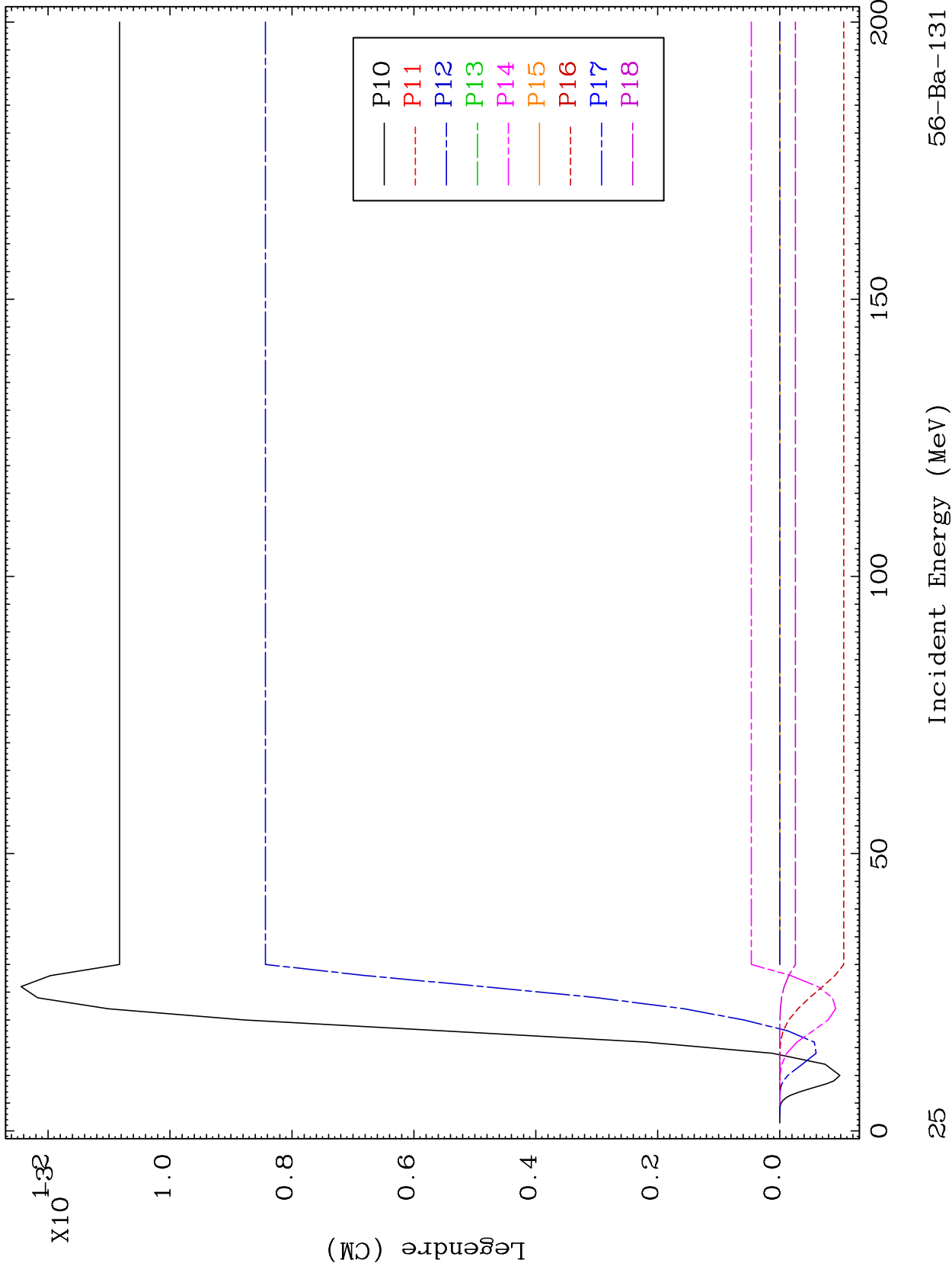


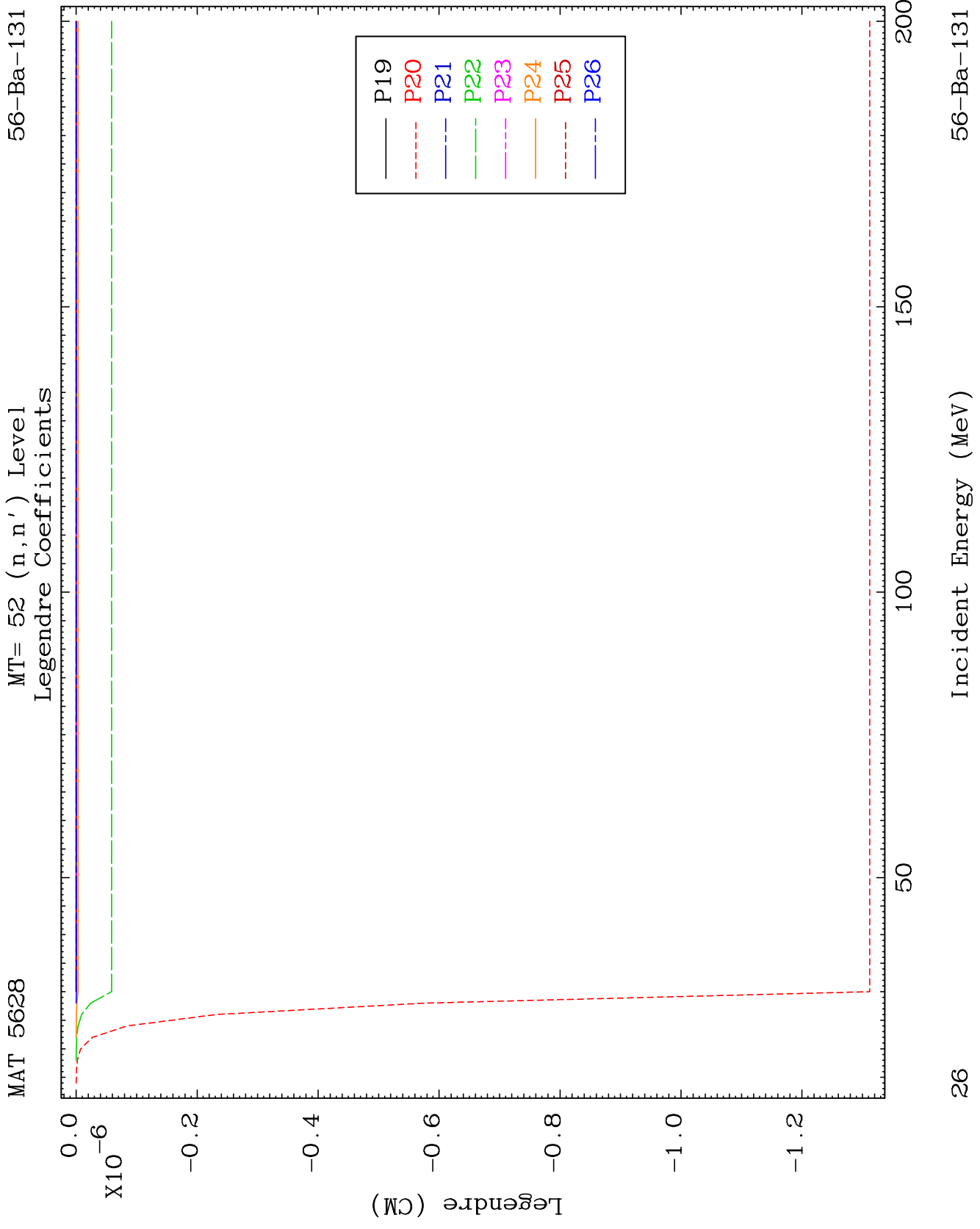


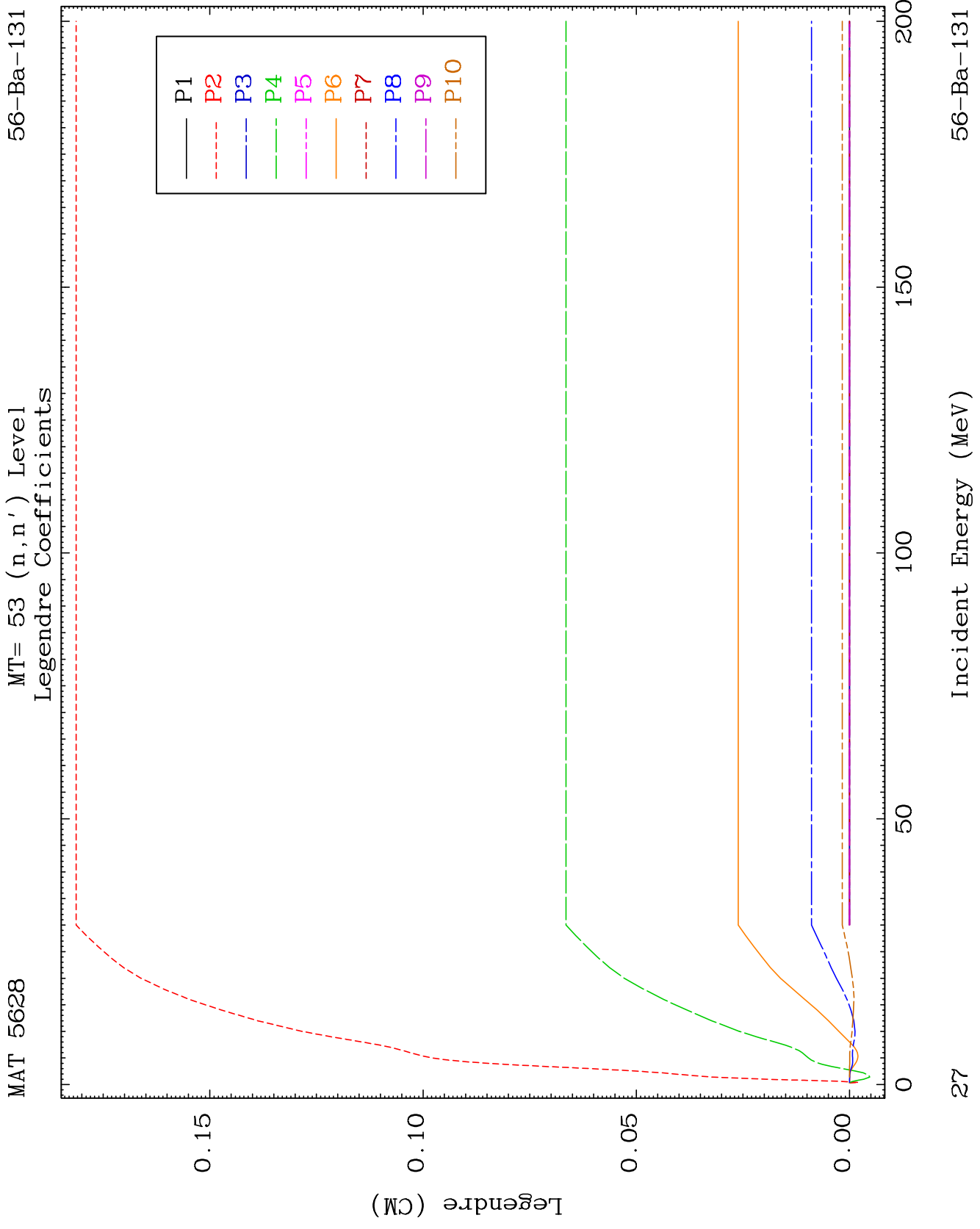
MAT 5628

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

56-Ba-131



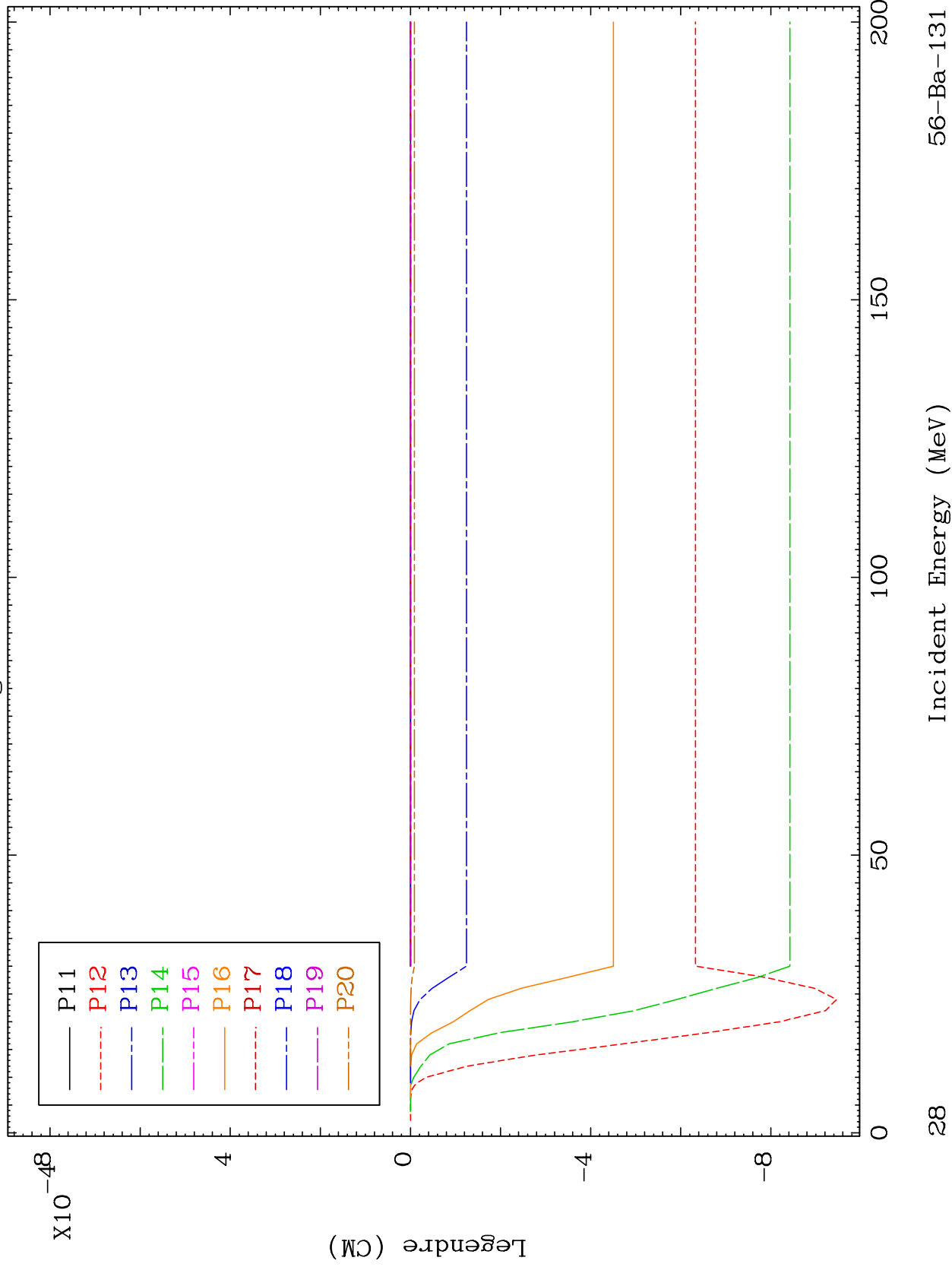




MAT 5628

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

56-Ba-131



28

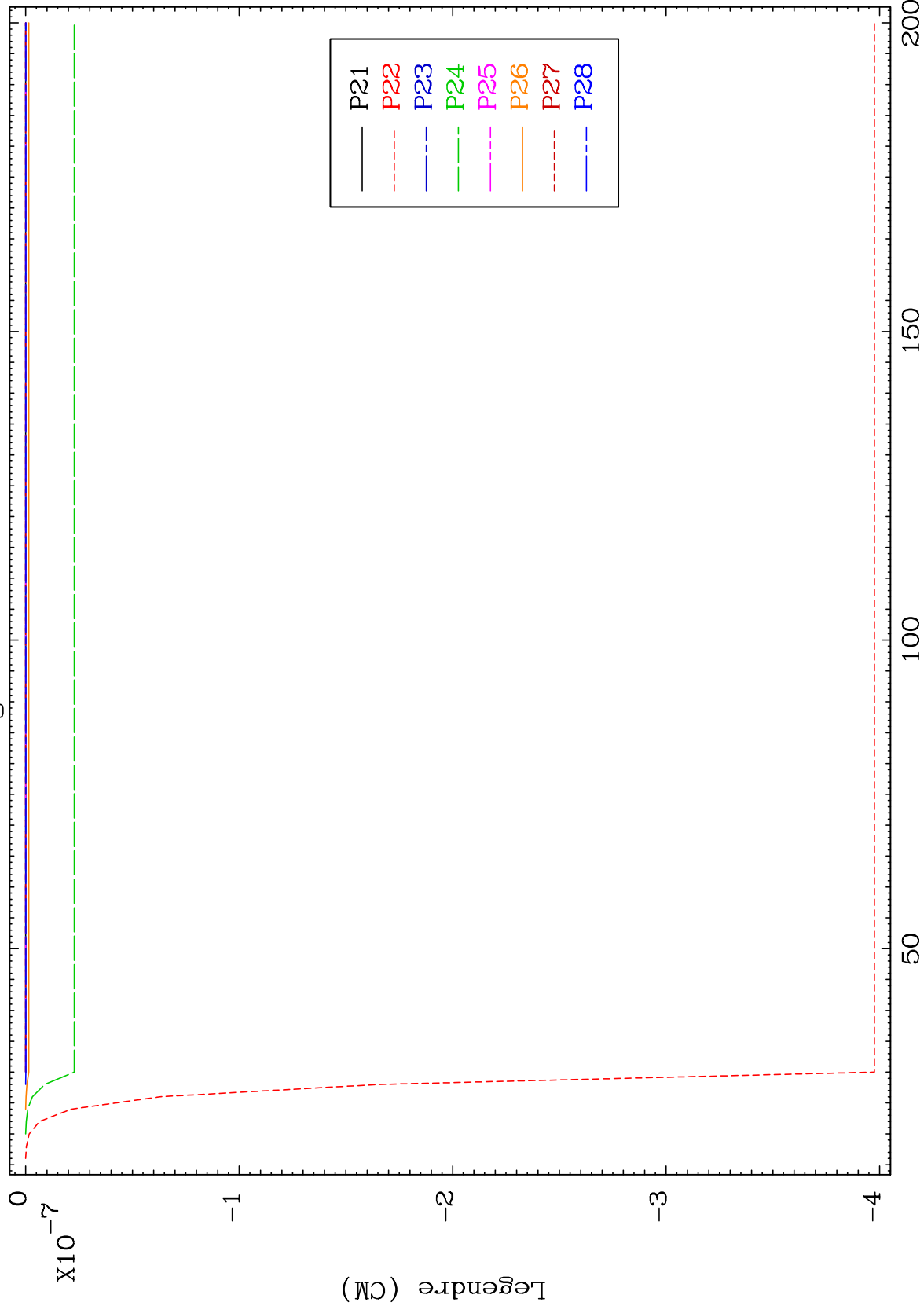
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



29

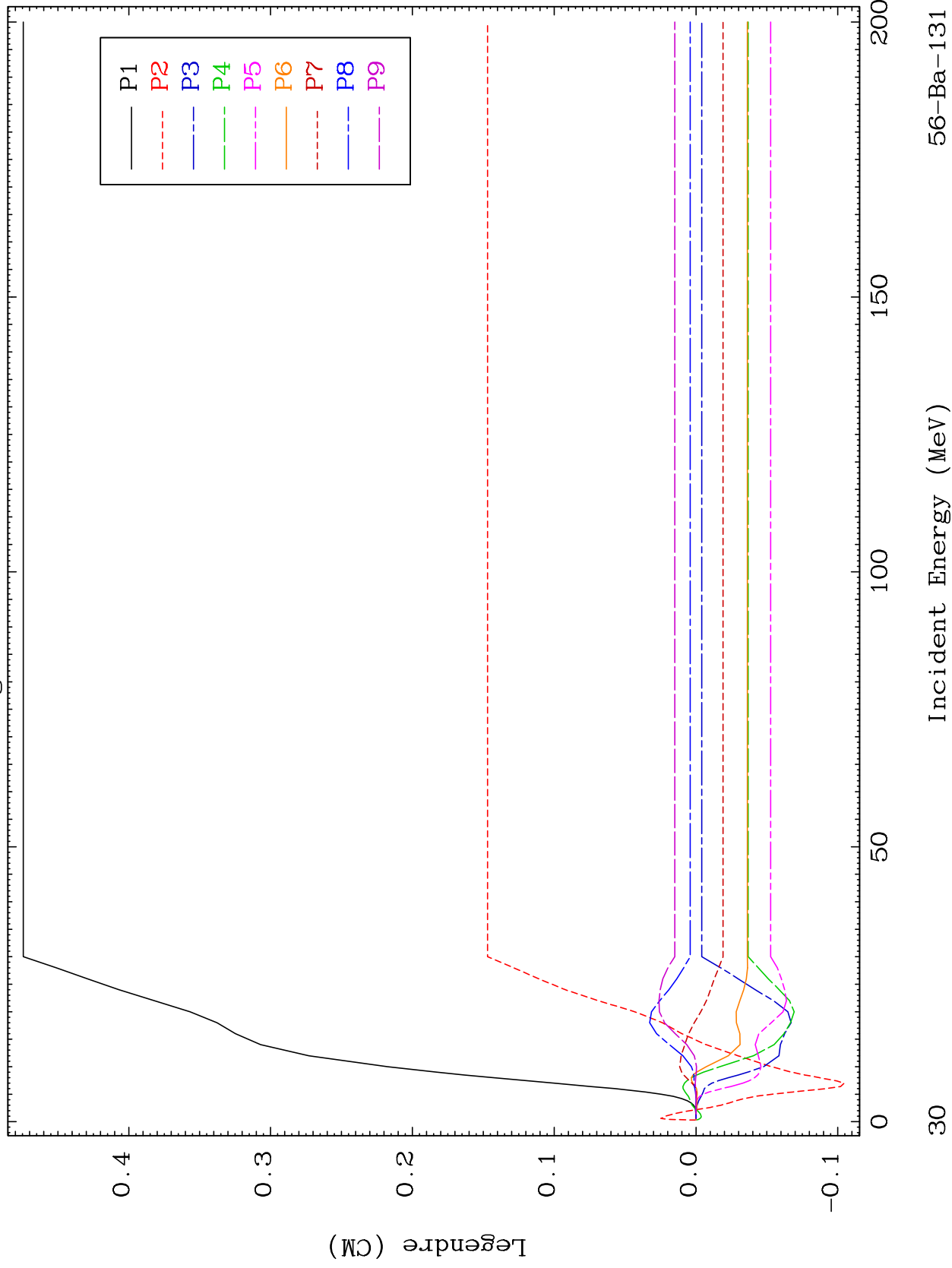
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

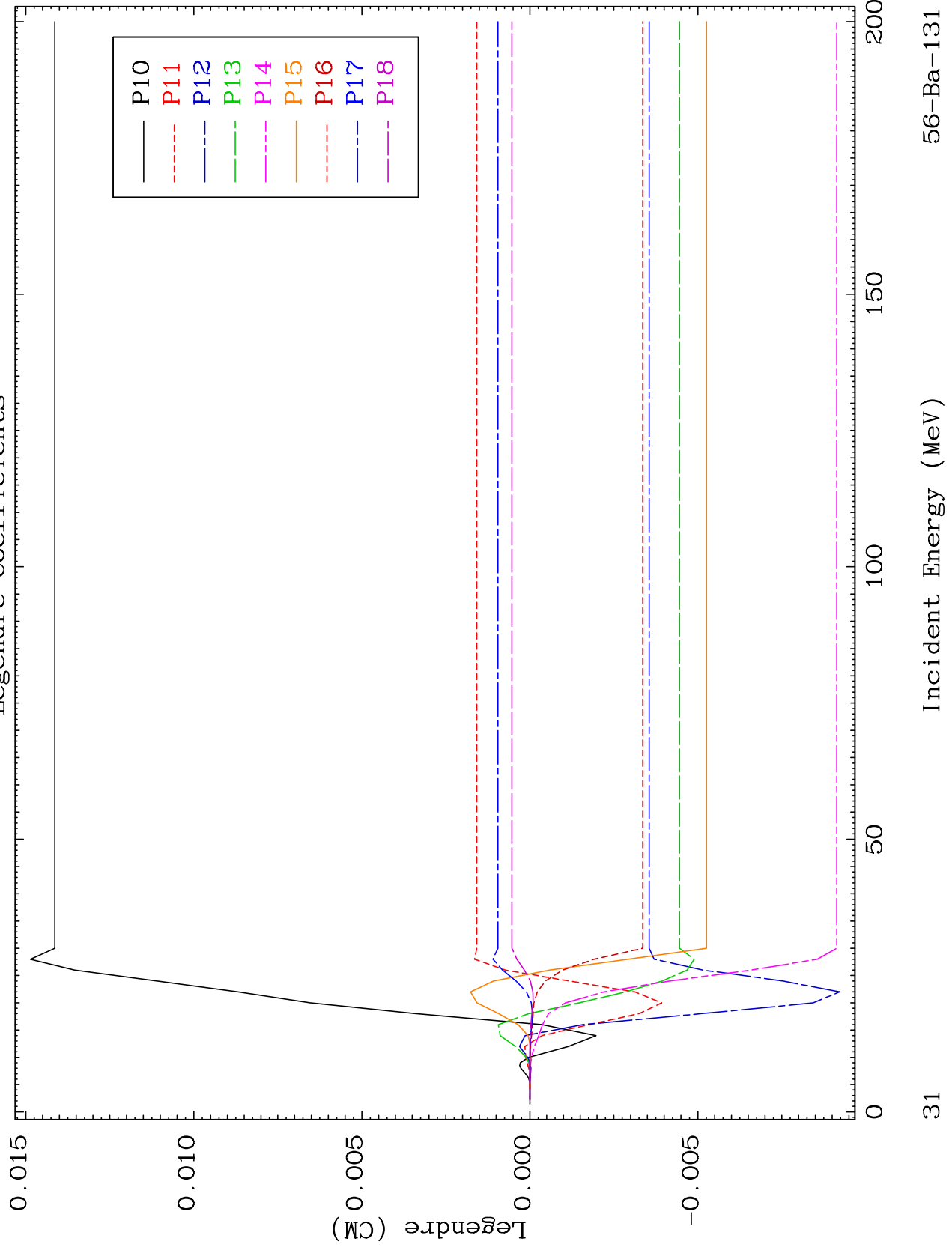
Incident Energy (MeV)

30

MAT 5628

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

56-Ba-131



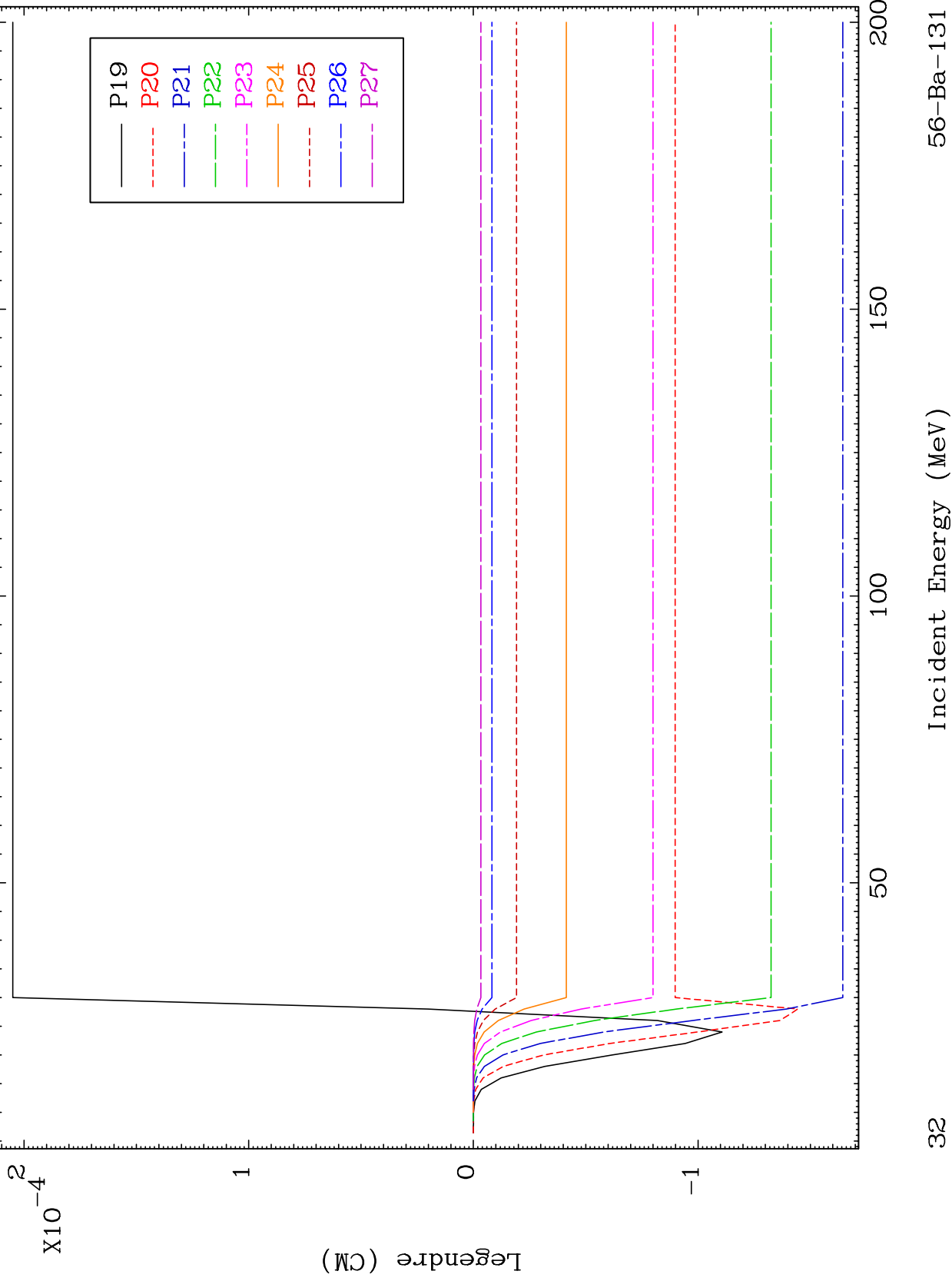
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56-Ba-131

MAT 5628

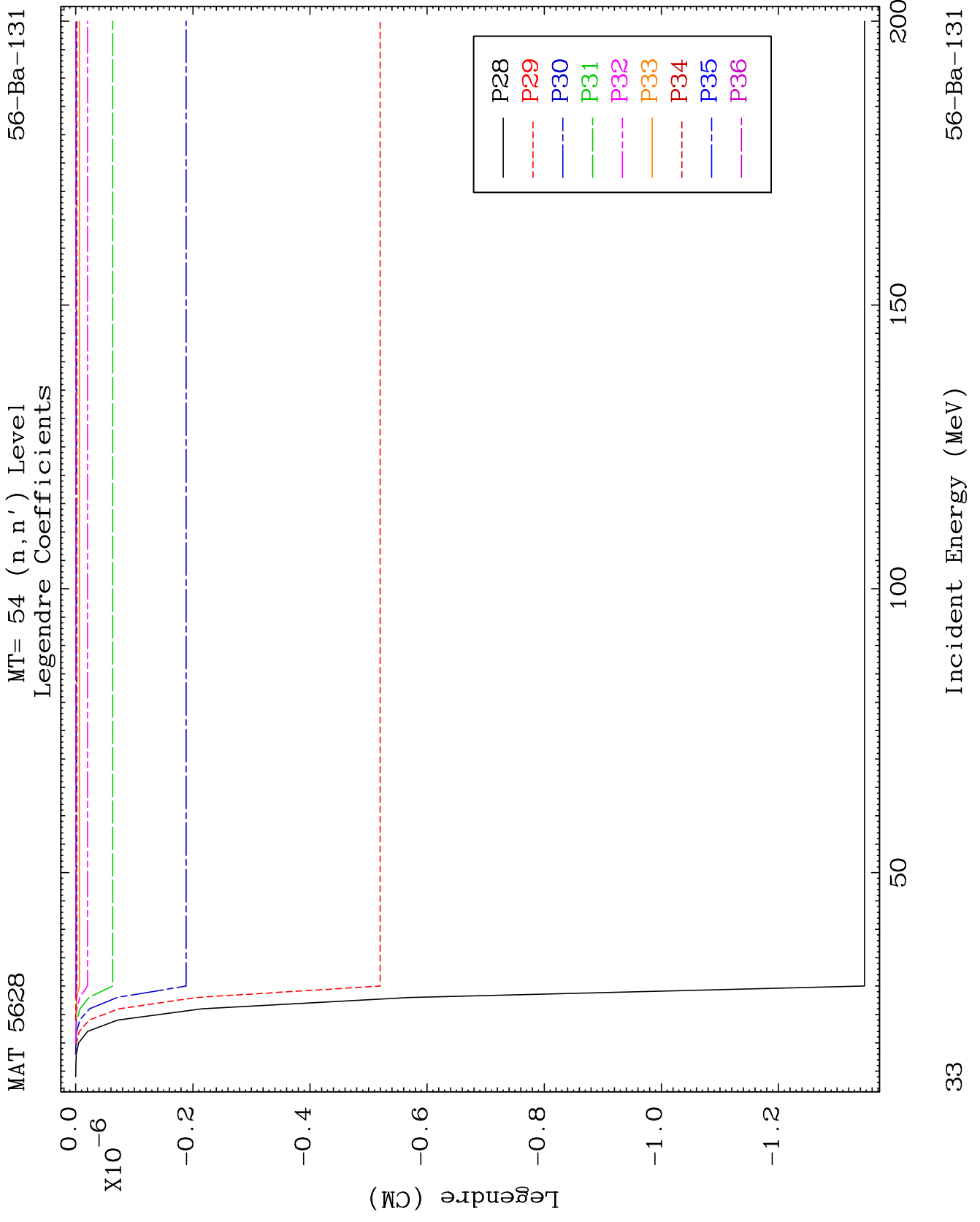
MT= 54 (n,n') Level  
Legendre Coefficients

56-Ba-131



32

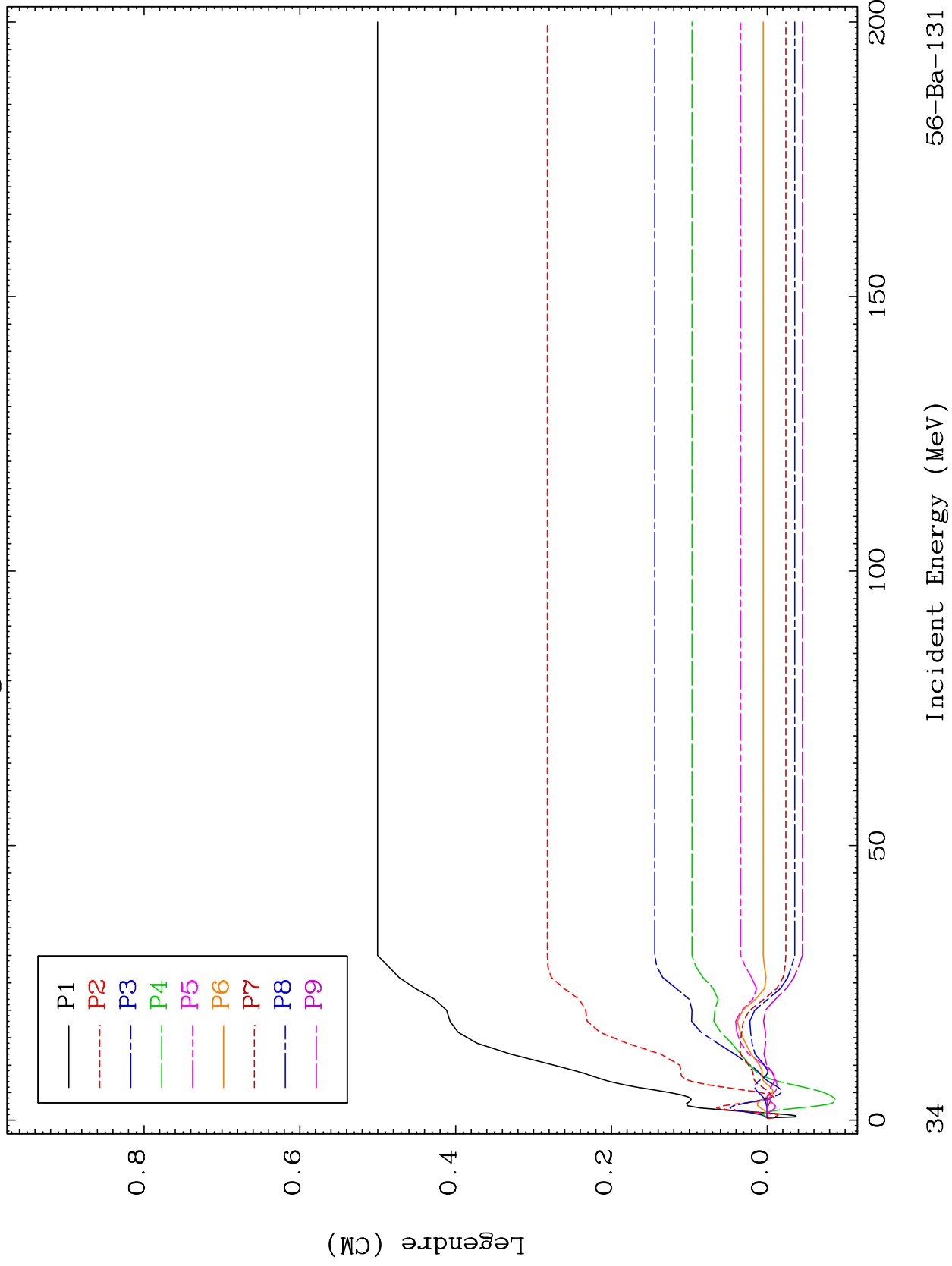
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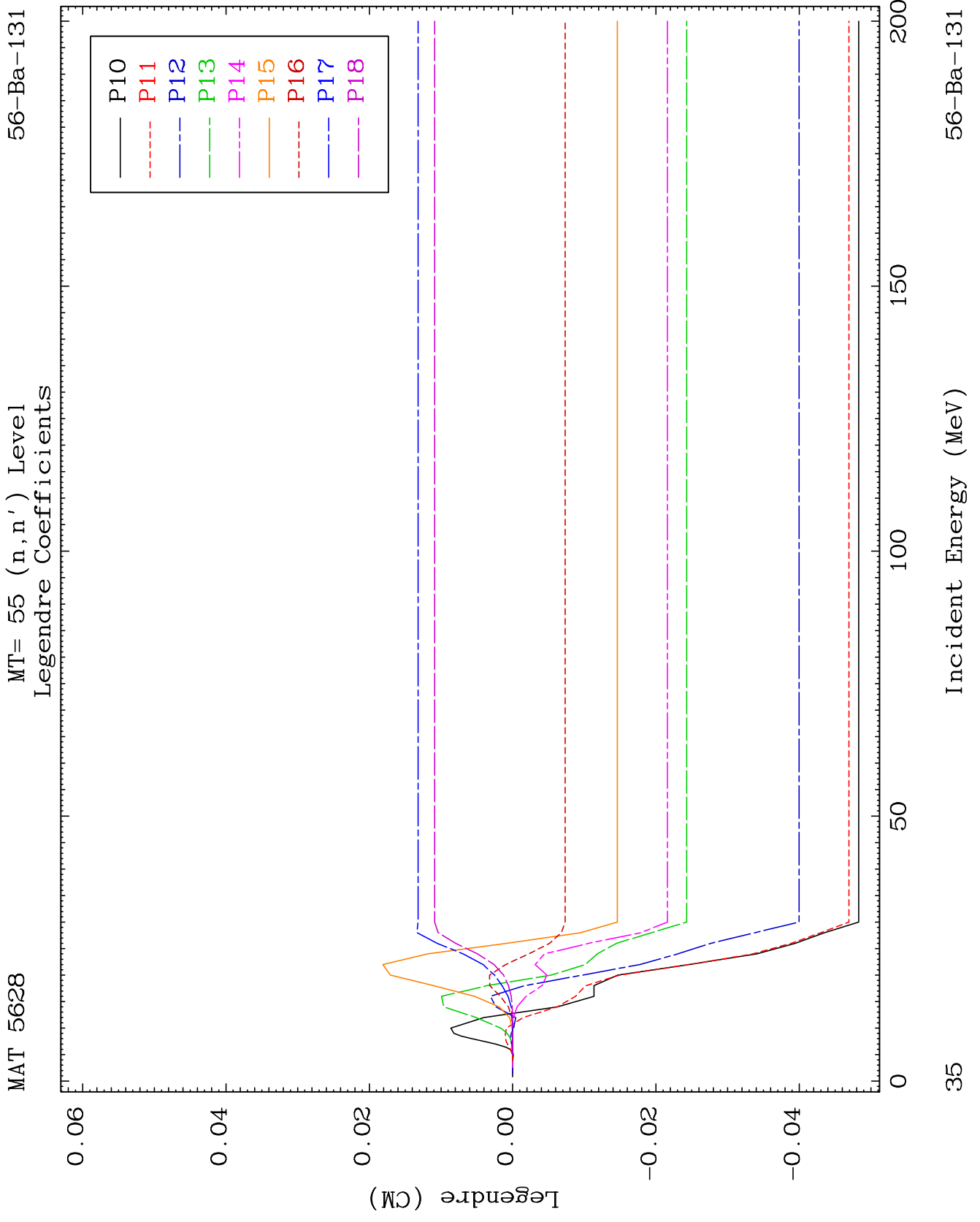


MAT 5628

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

56-Ba-131

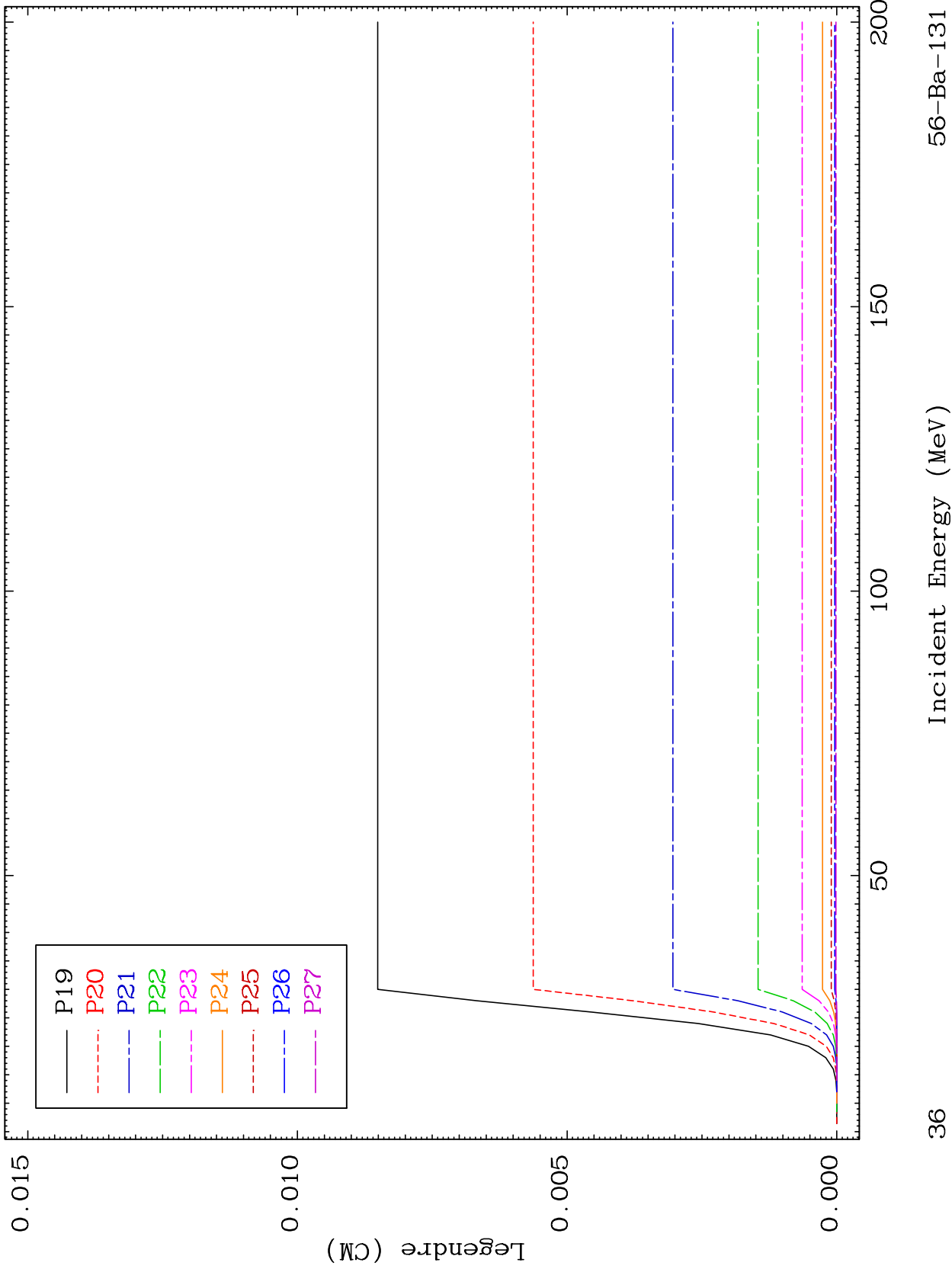




MAT 5628

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

56-Ba-131



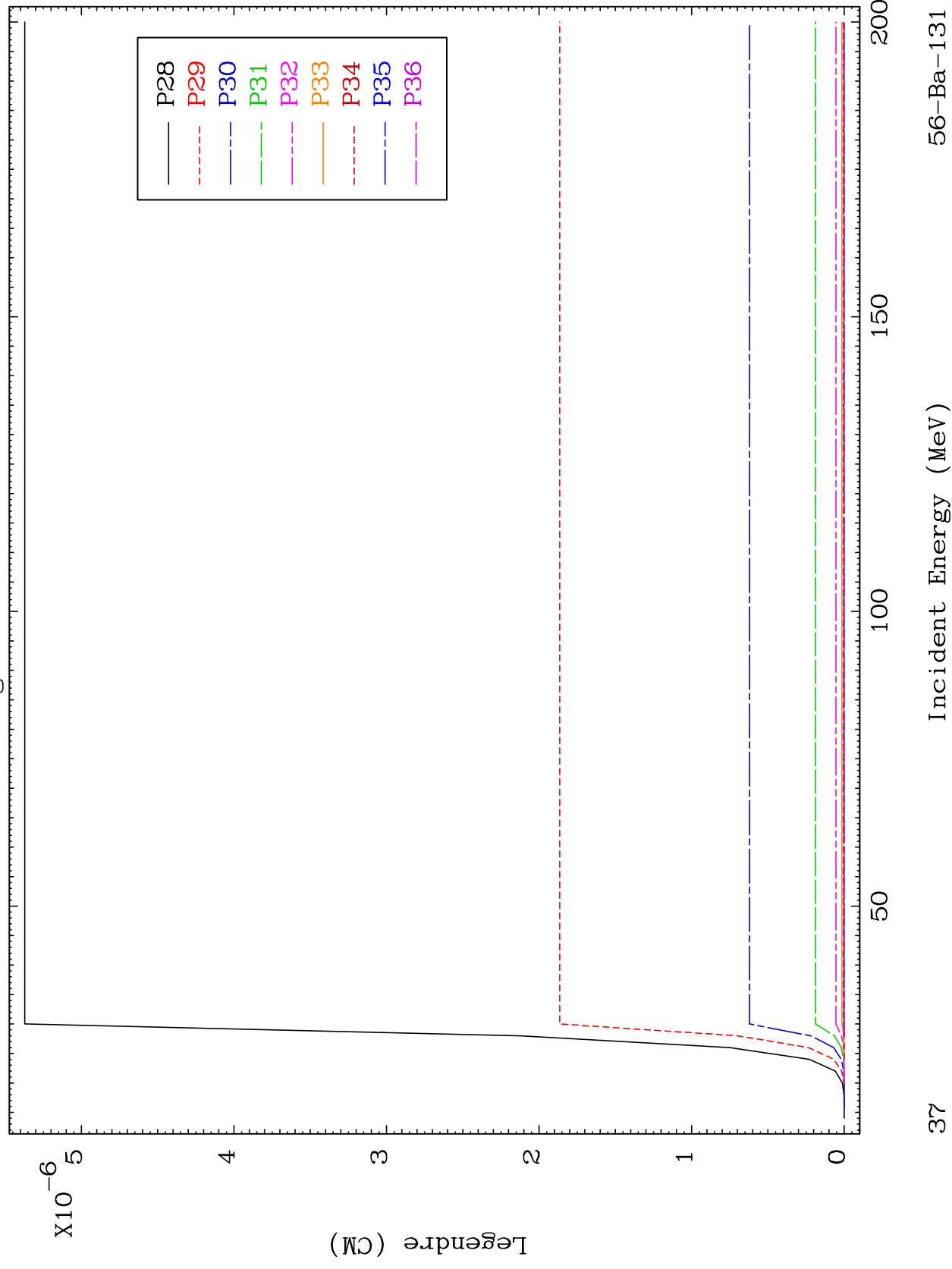
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56-Ba-131

MAT 5628

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

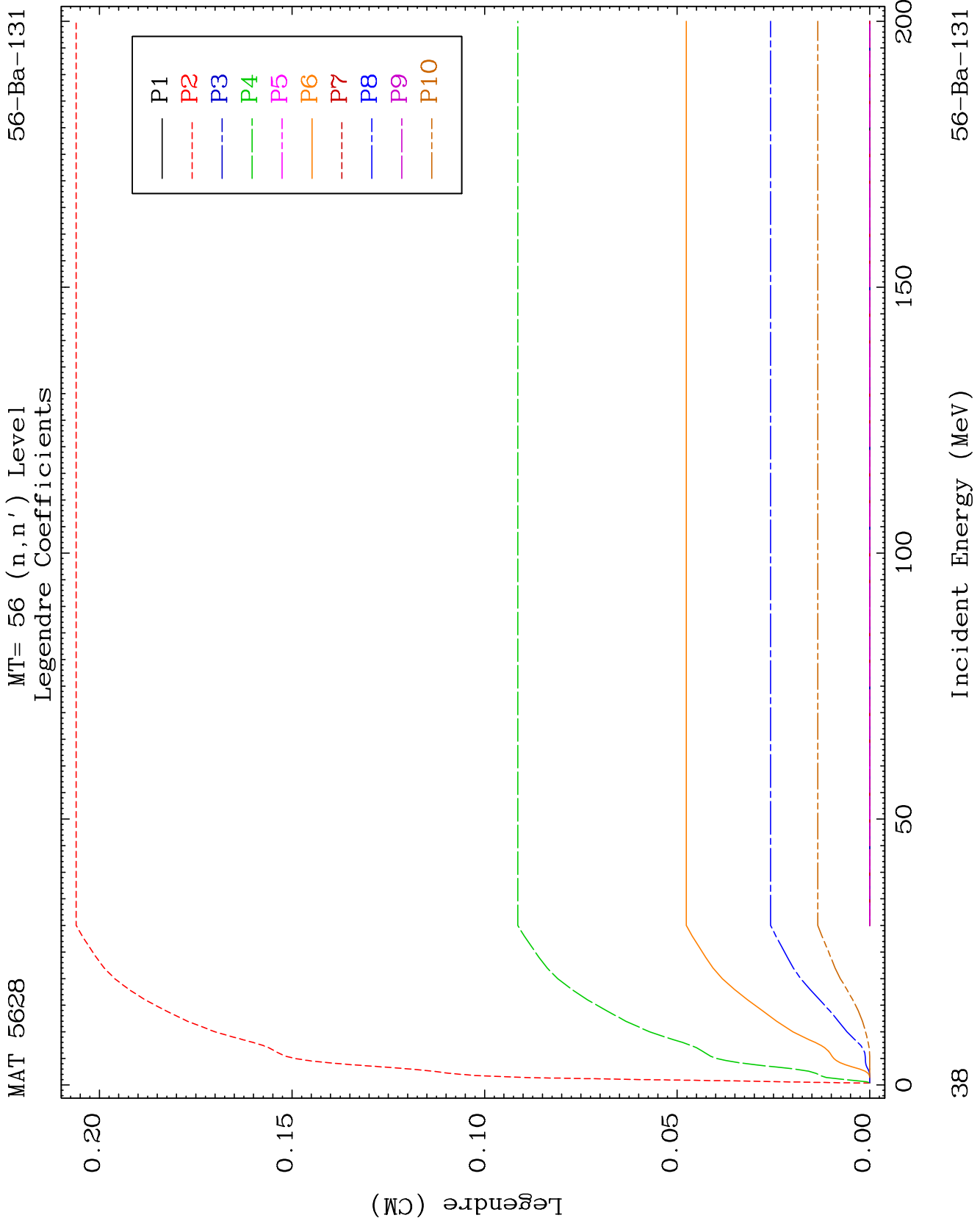
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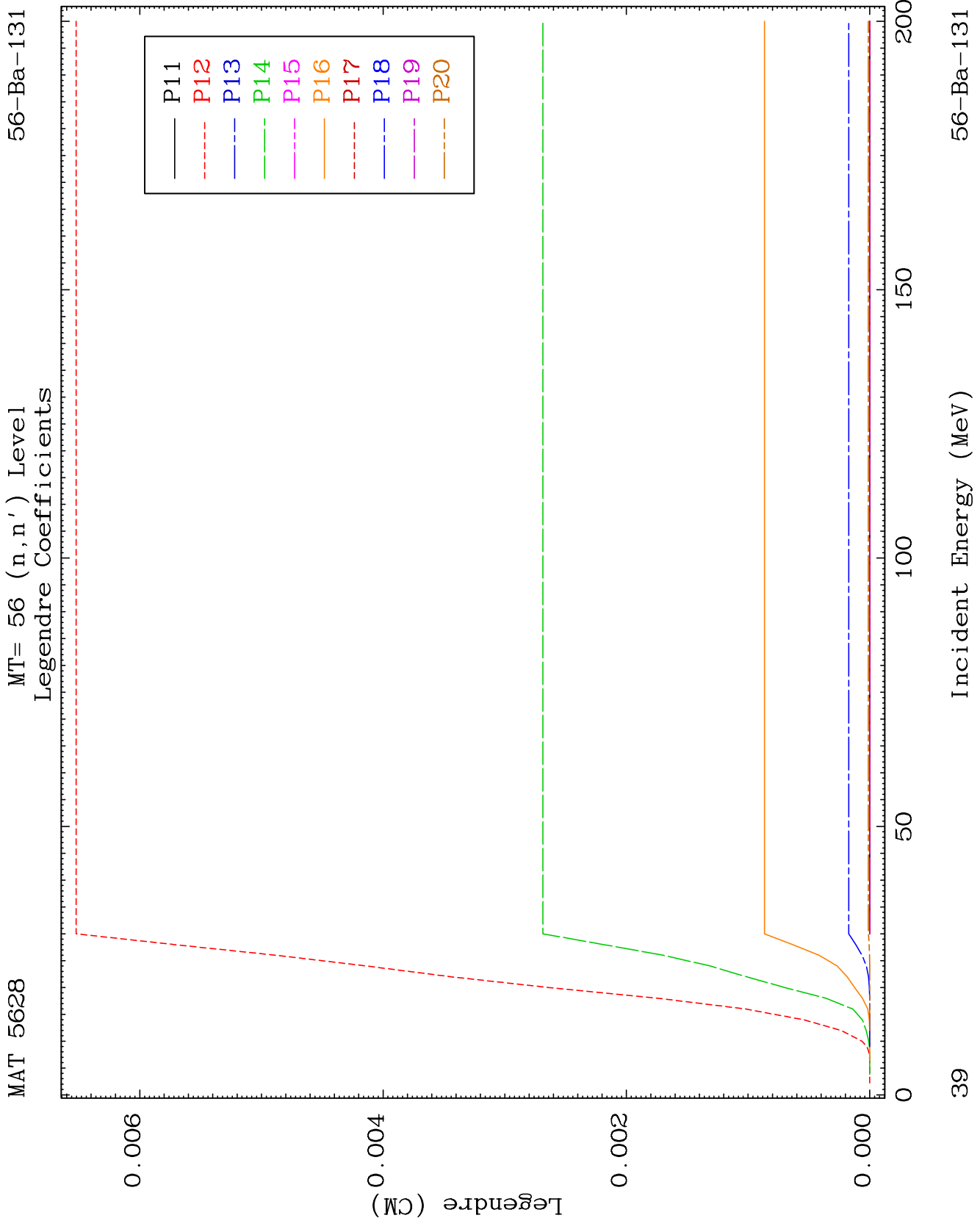


37

Incident Energy (MeV)

56-Ba-131





56-Ba-131

Incident Energy (MeV)

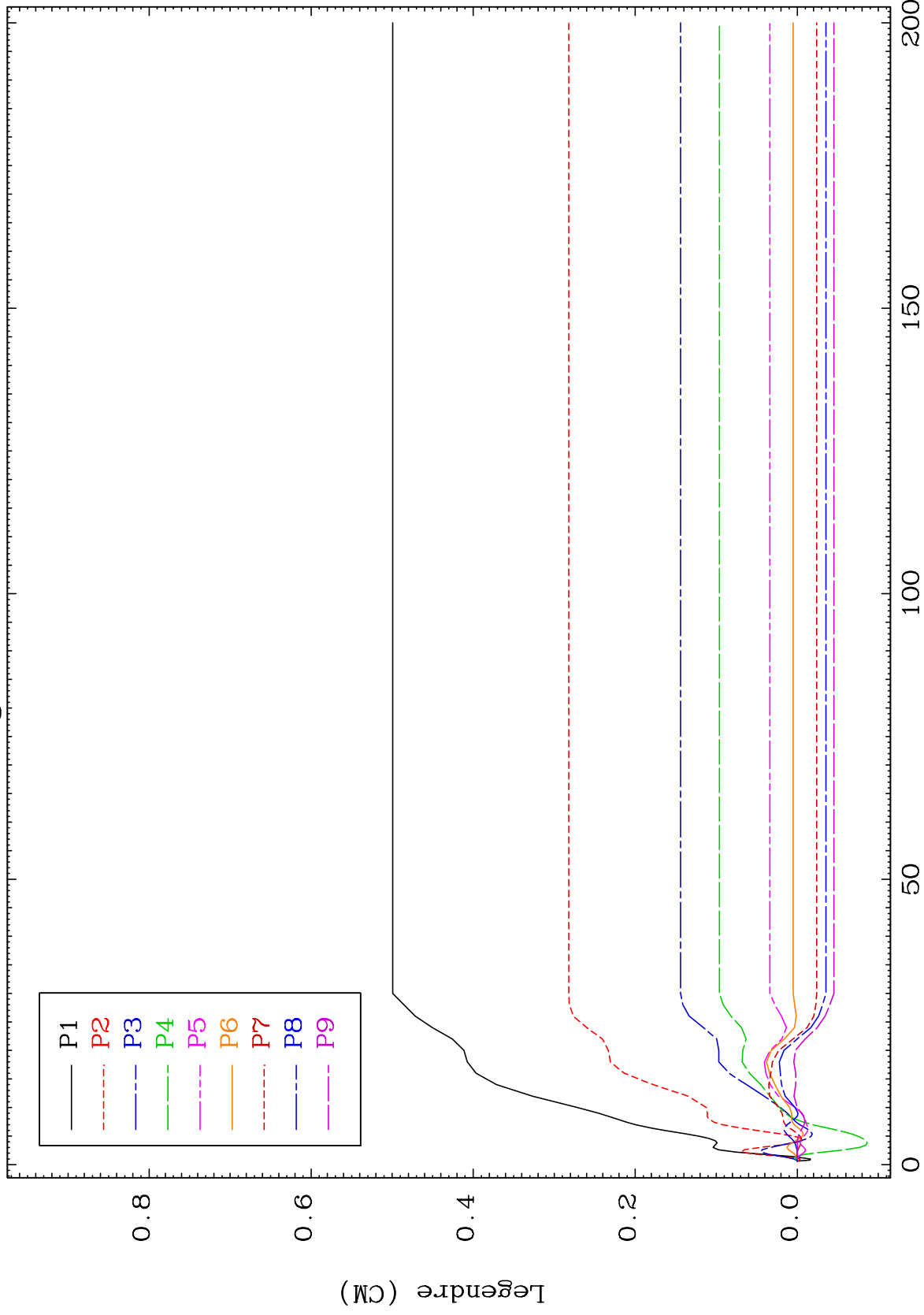
39



MAT 5628

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

56-Ba-131



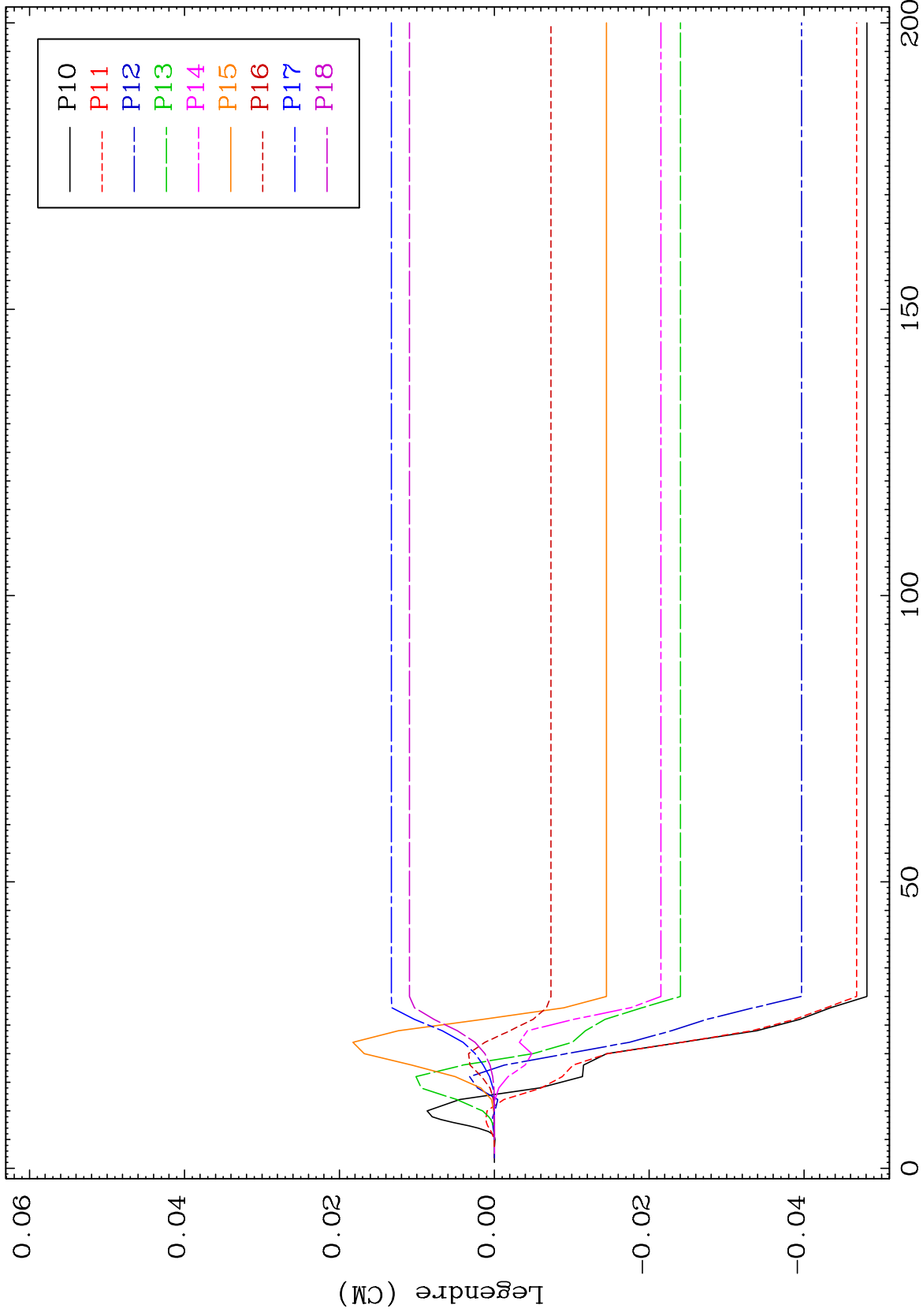
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56-Ba-131

MAT 5628

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

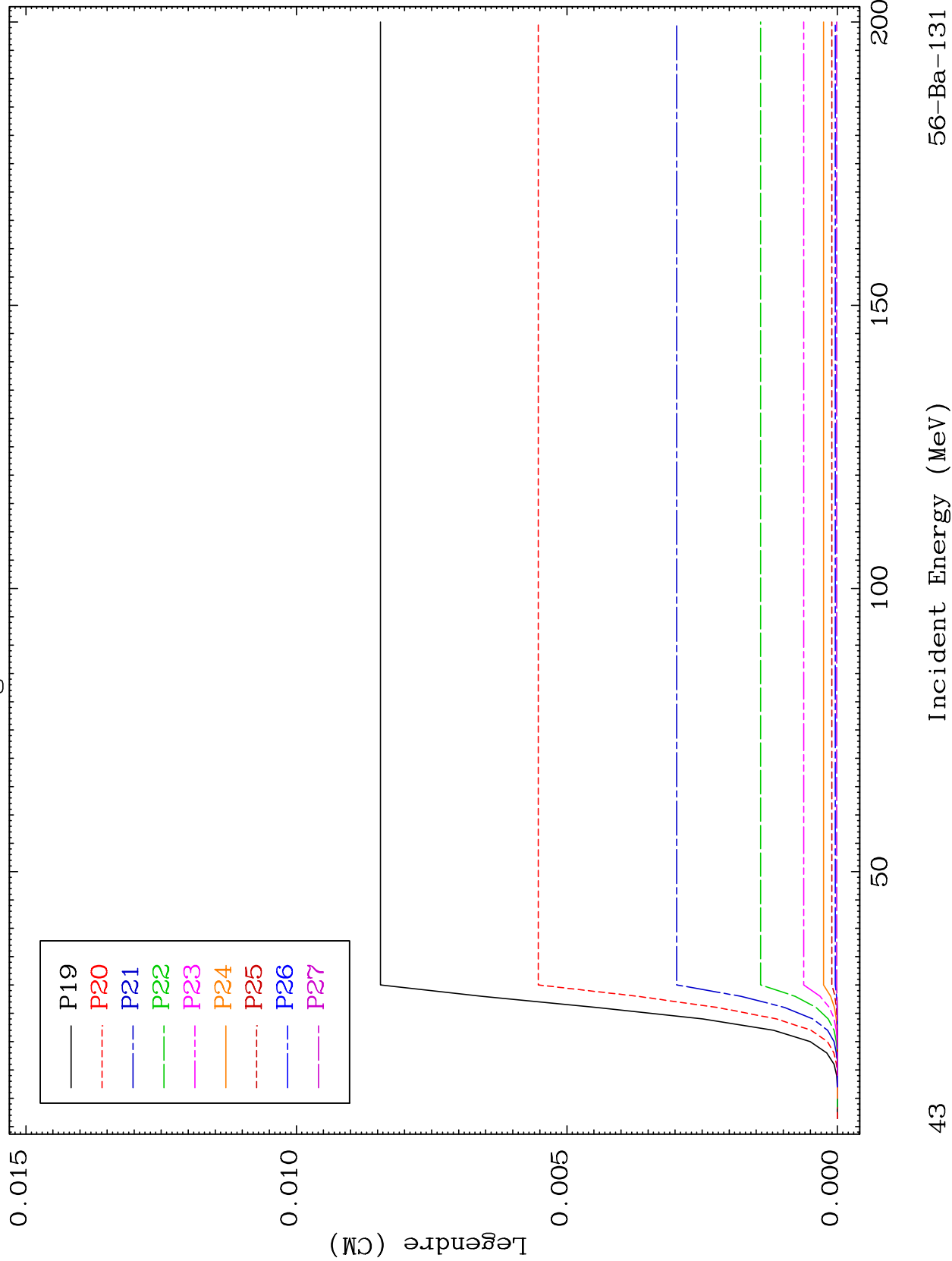
56-Ba-131



42

Incident Energy (MeV)

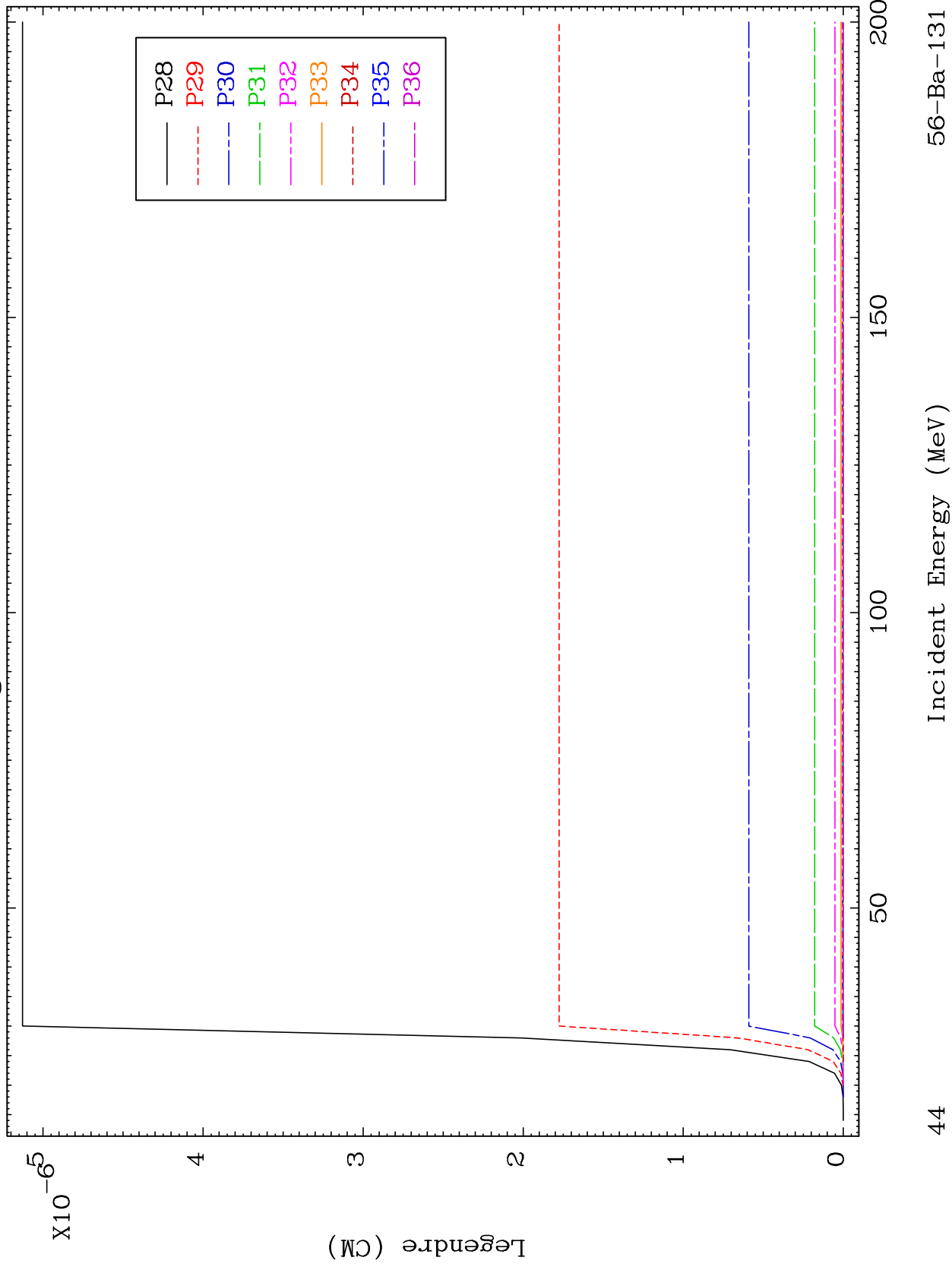
56-Ba-131



MAT 5628

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

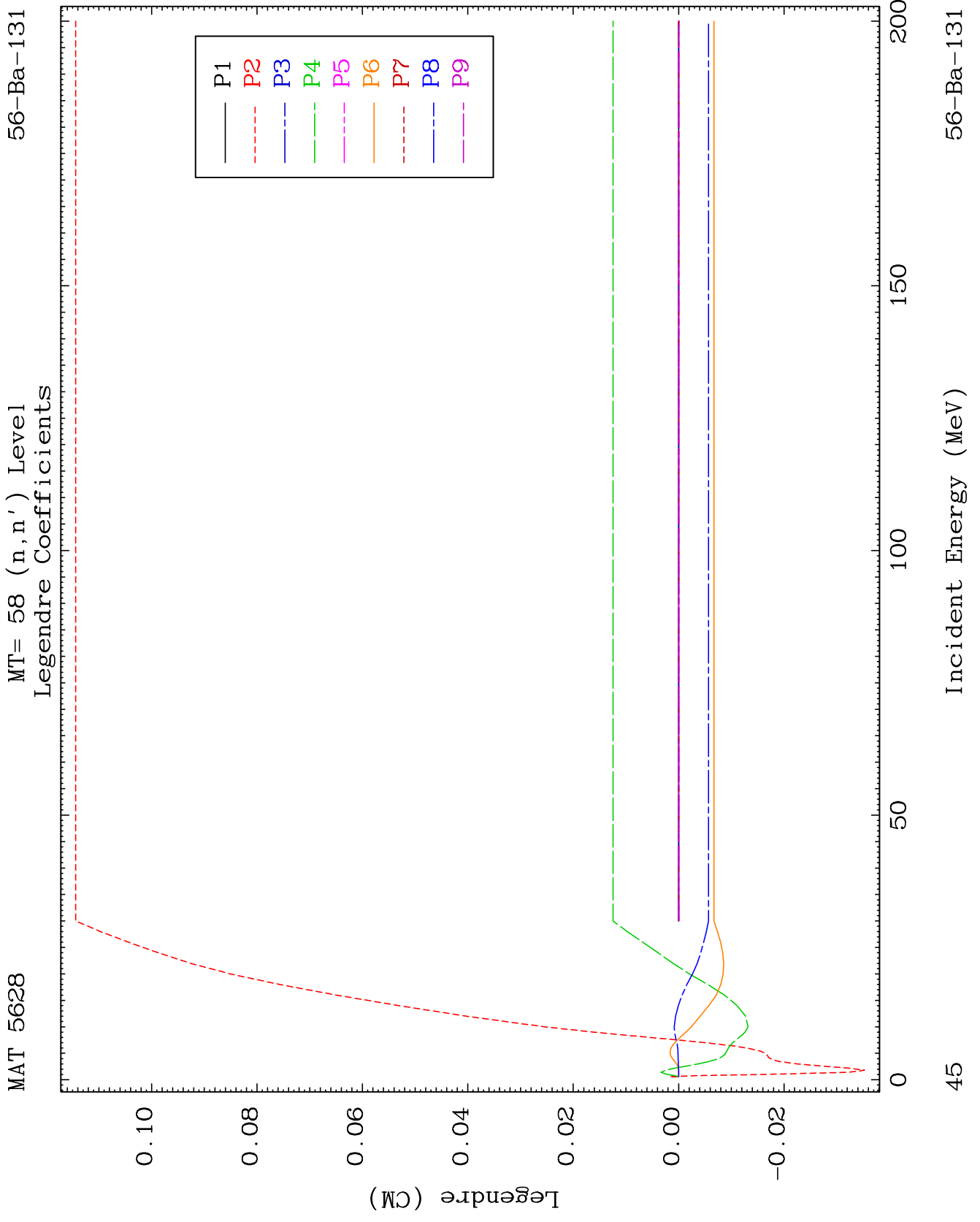
56-Ba-131



44

Incident Energy (MeV)

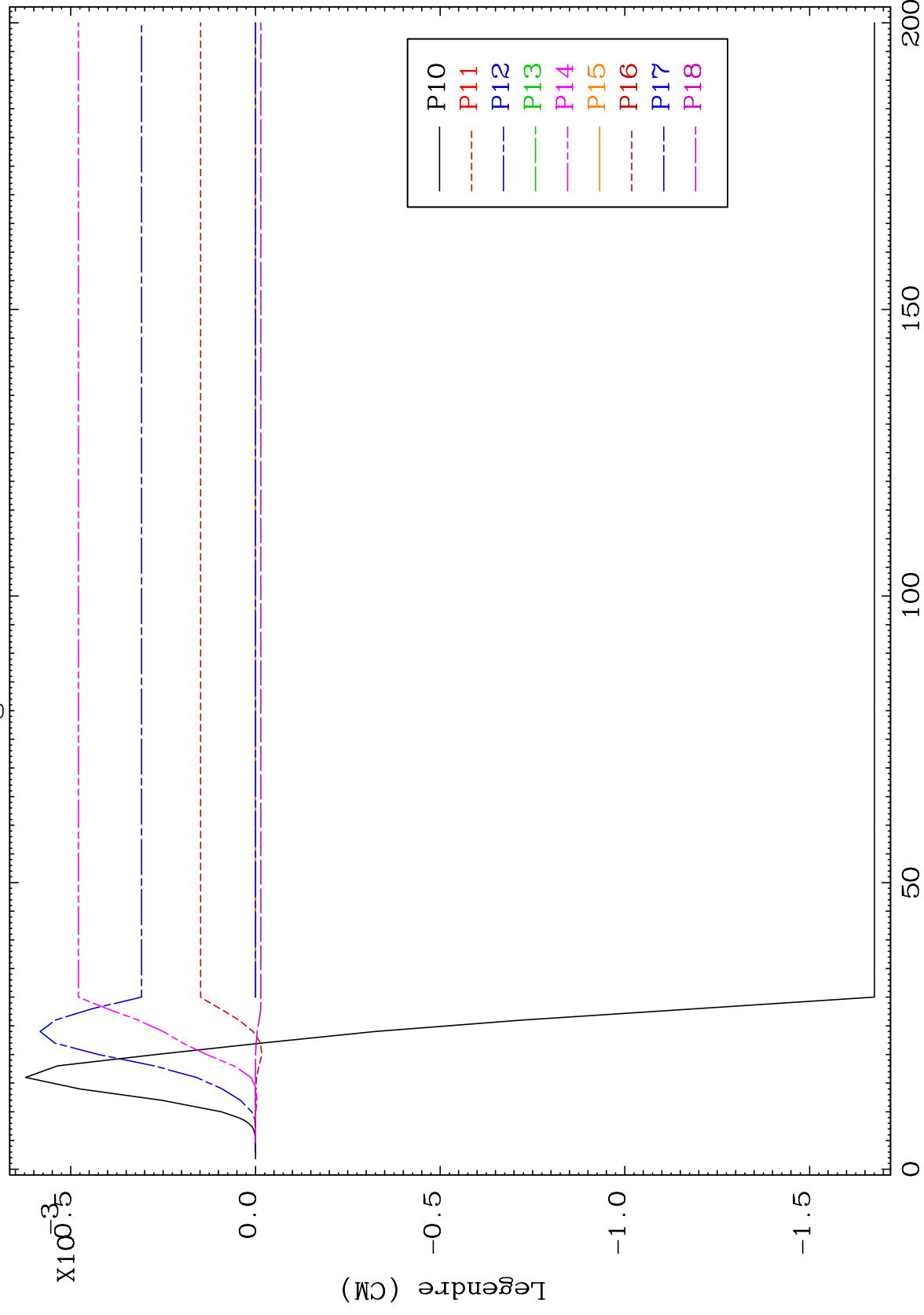
56-Ba-131



MAT 5628

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

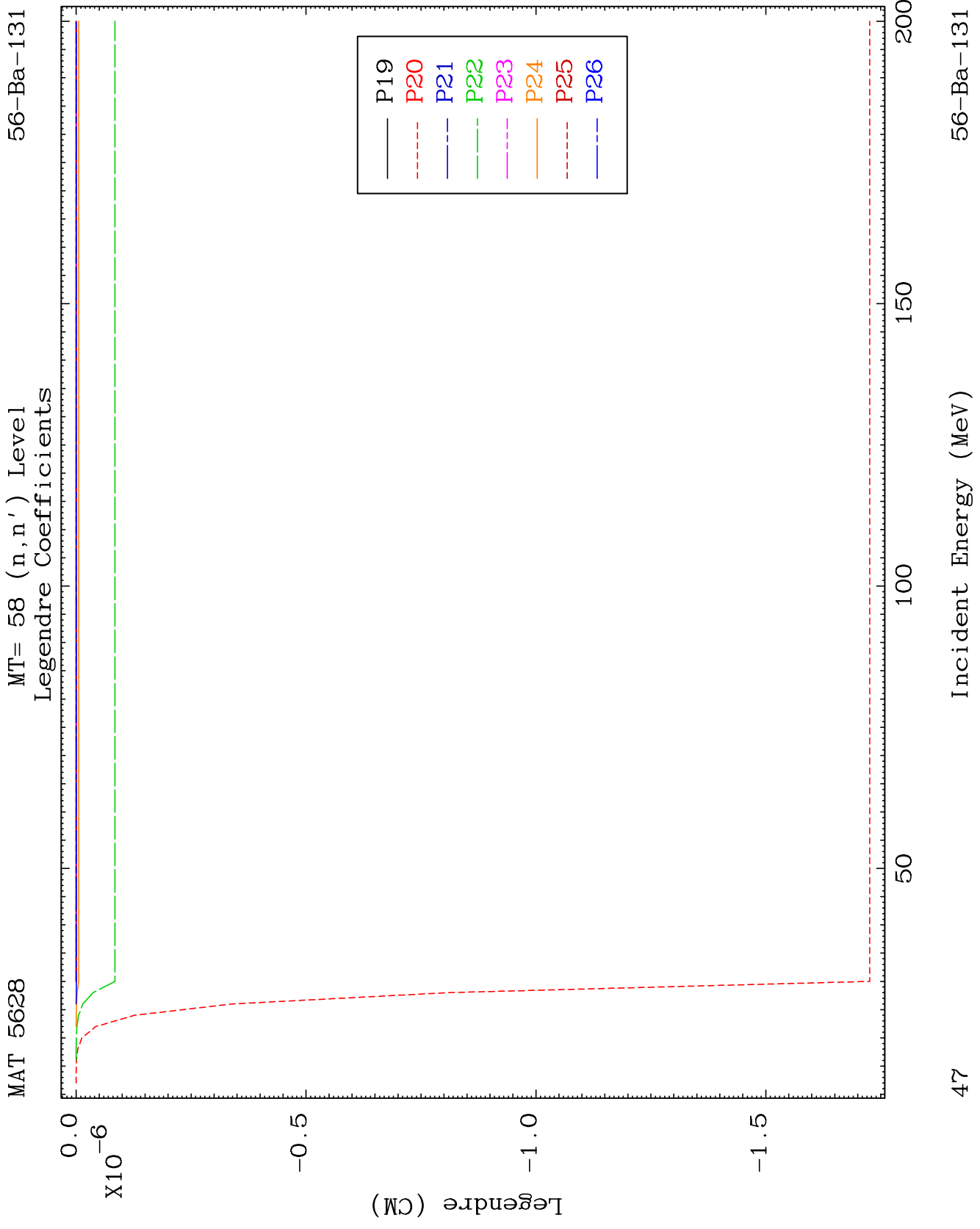
56-Ba-131



46

Incident Energy (MeV)

56-Ba-131

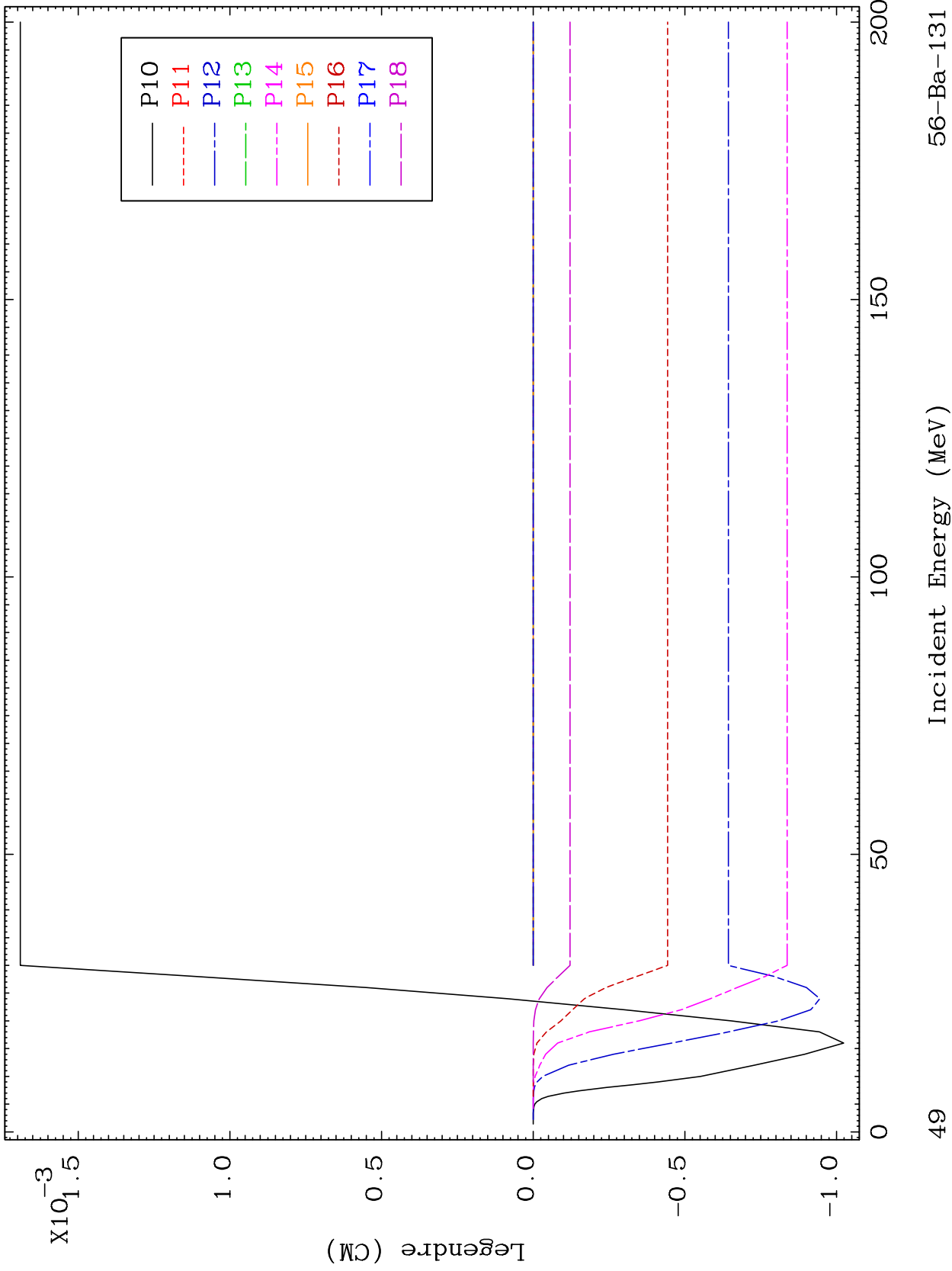




MAT 5628

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

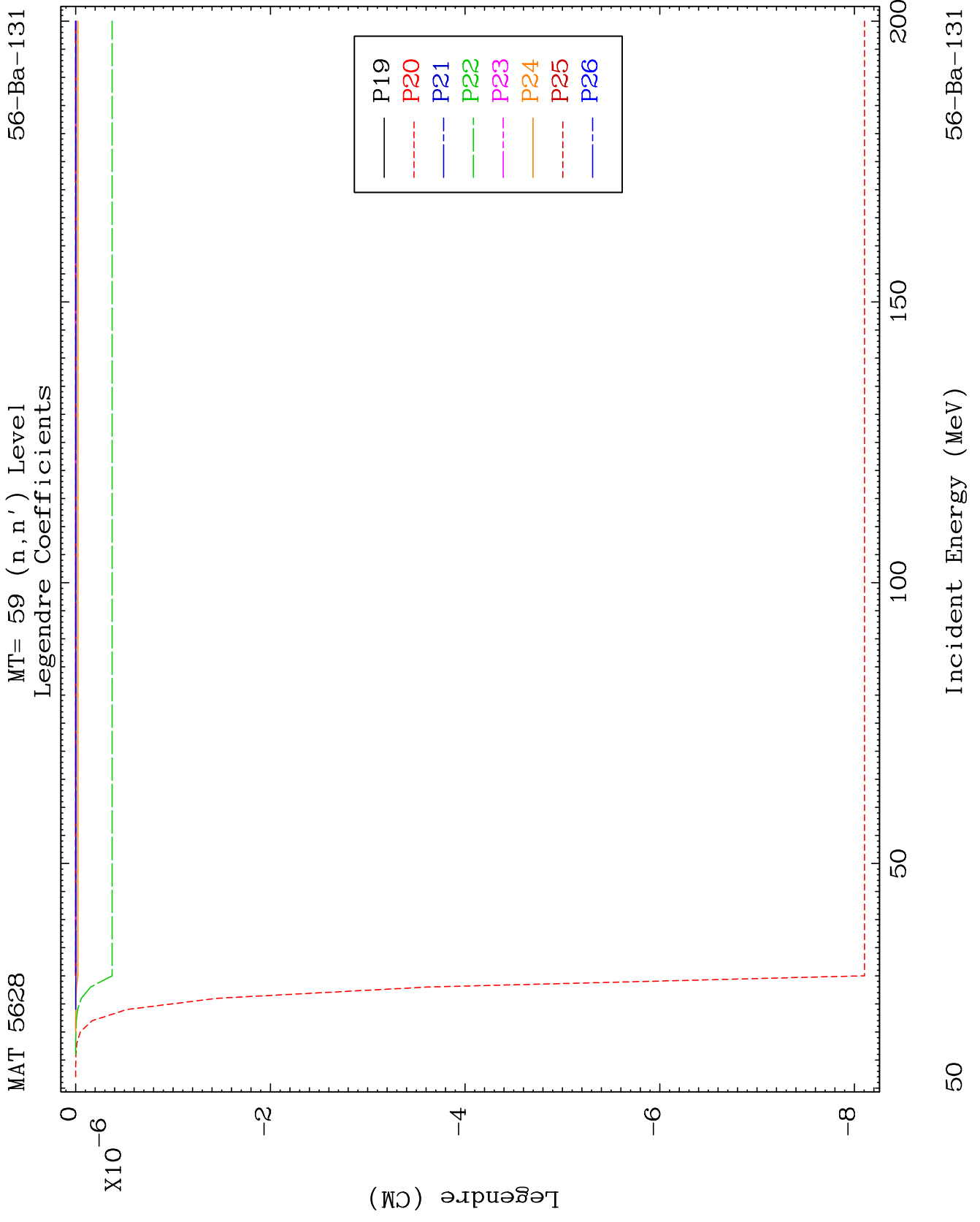
56-Ba-131



49

Incident Energy (MeV)

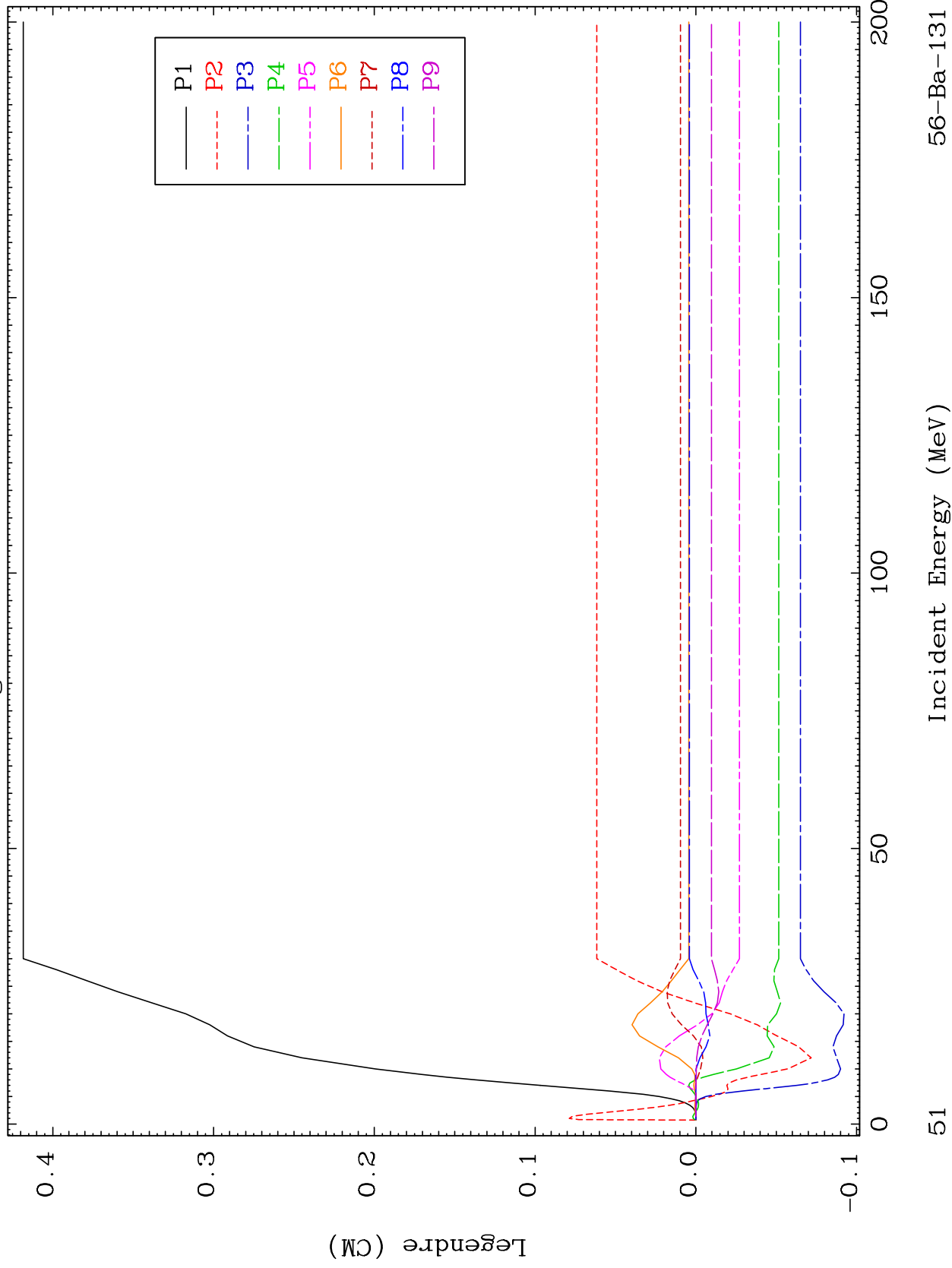
56-Ba-131



MAT 5628

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

56-Ba-131



56-Ba-131

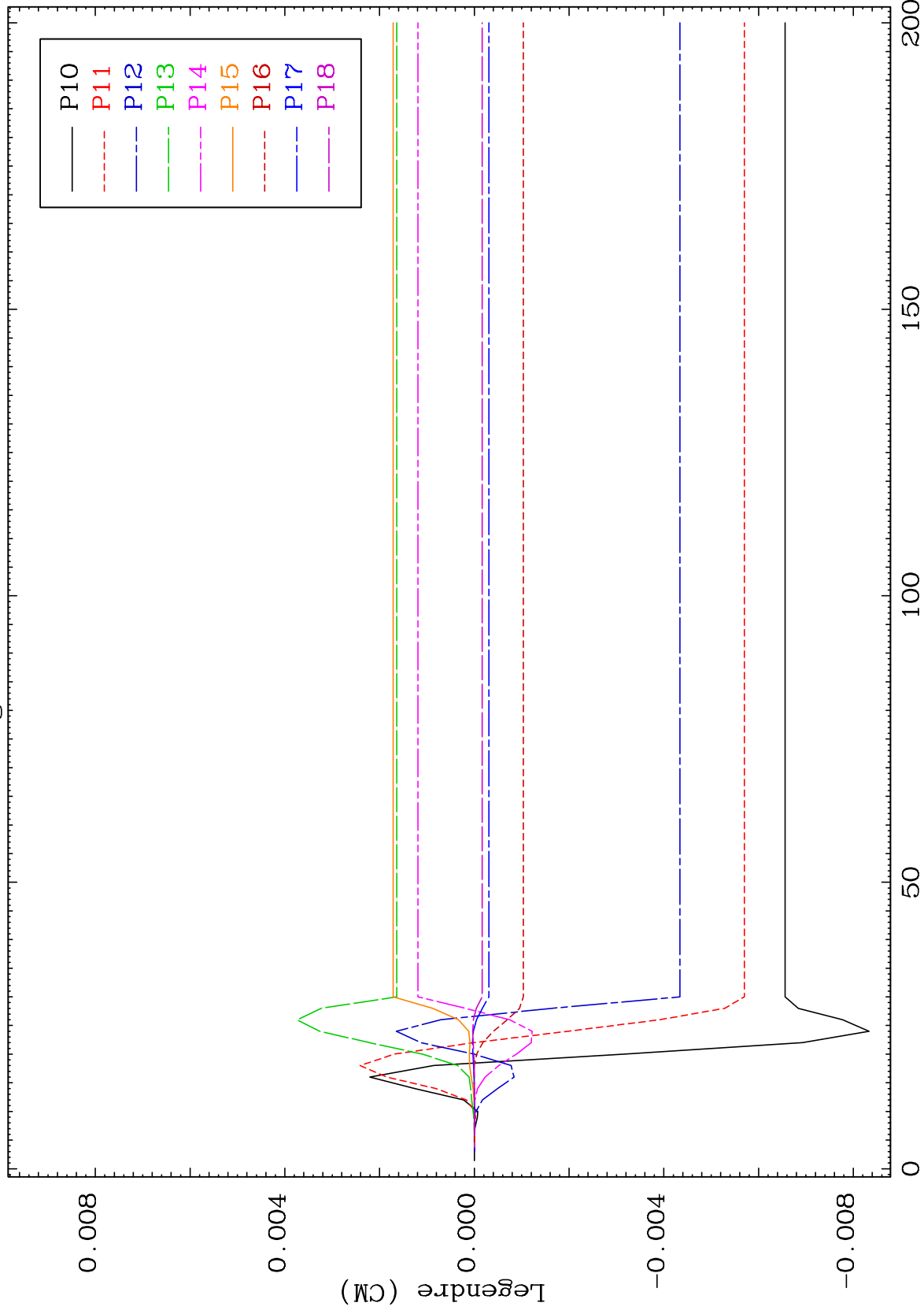
Incident Energy (MeV)

51

MAT 5628

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

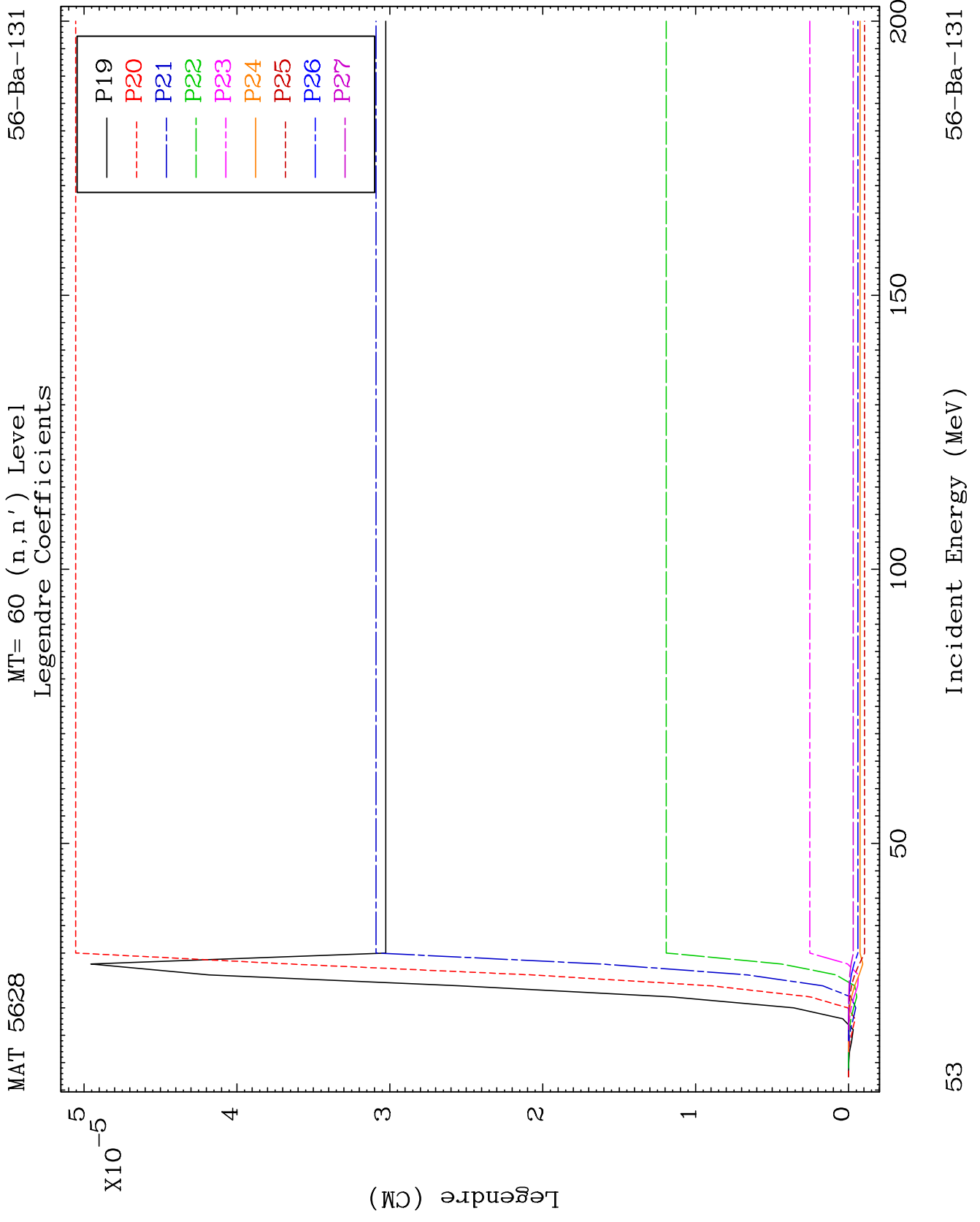
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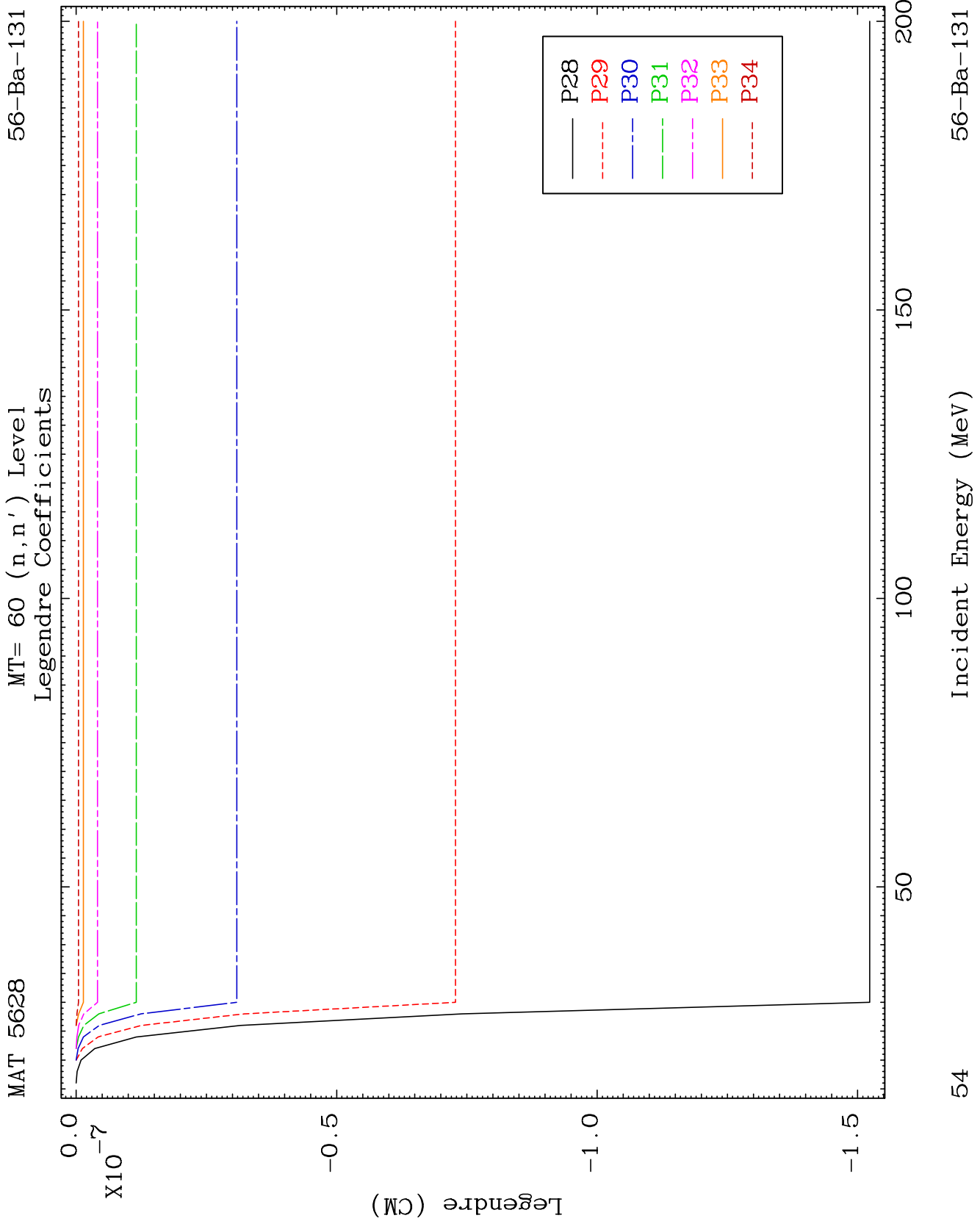


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Incident Energy (MeV)

56-Ba-131



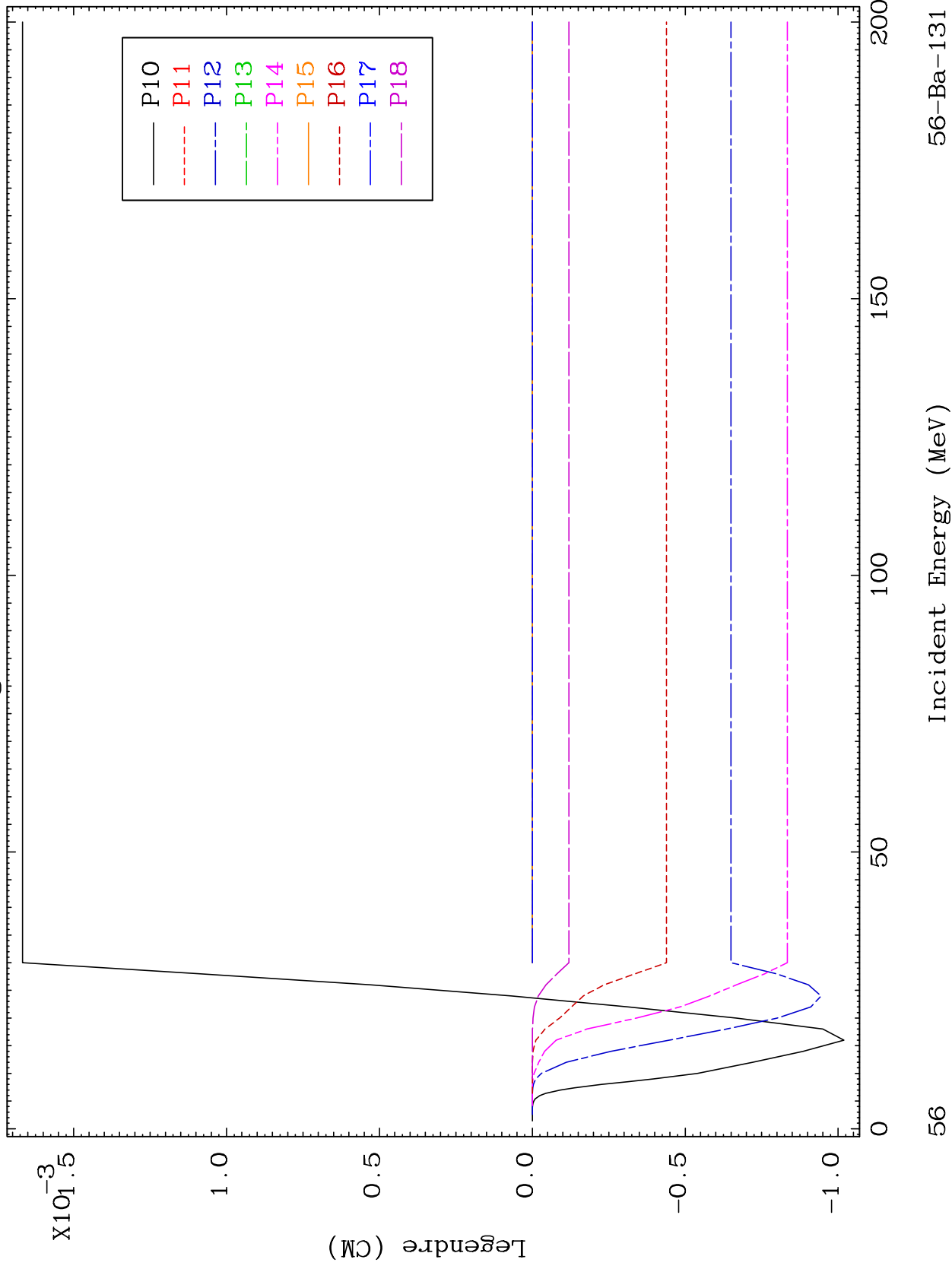


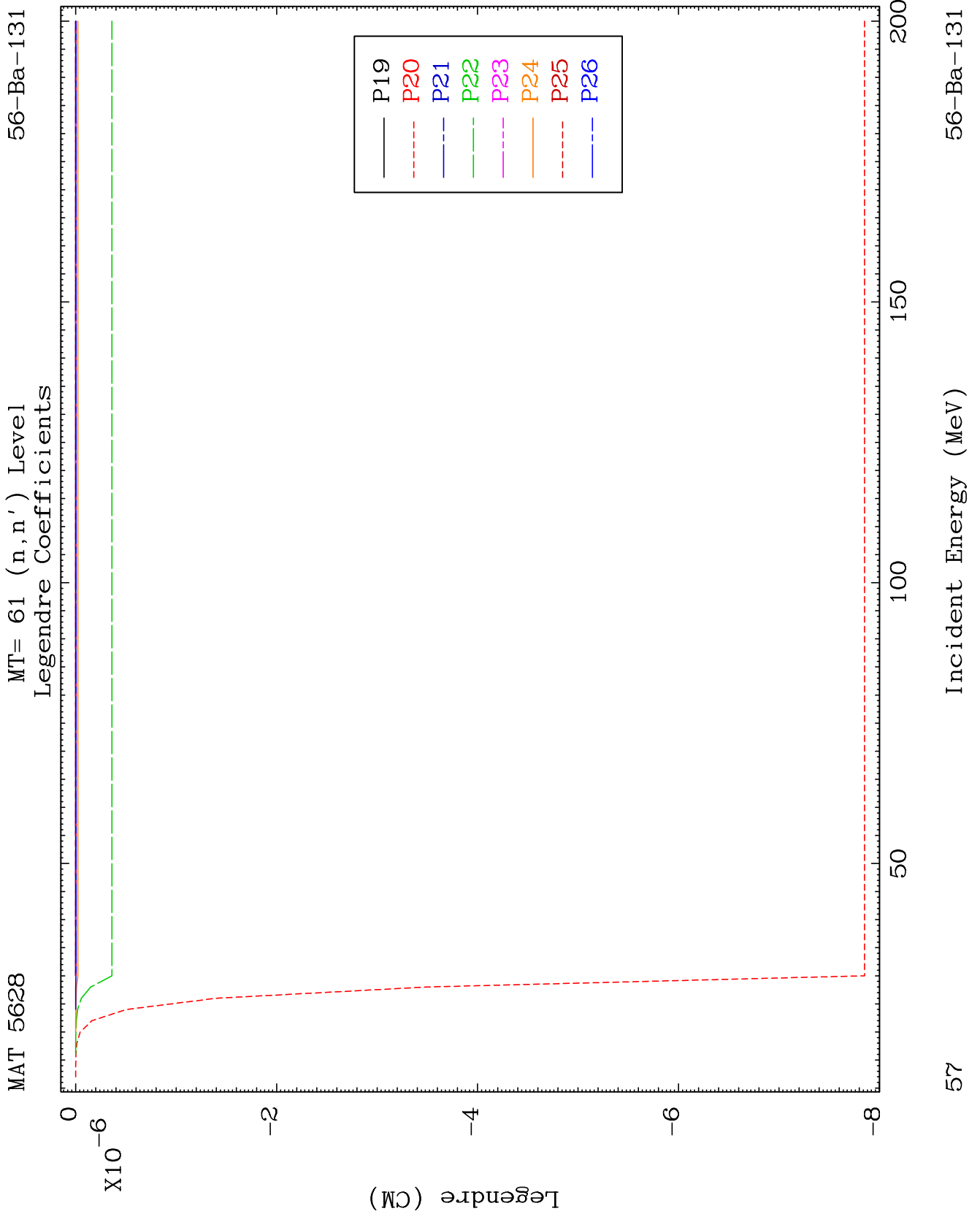


MAT 5628

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

56-Ba-131

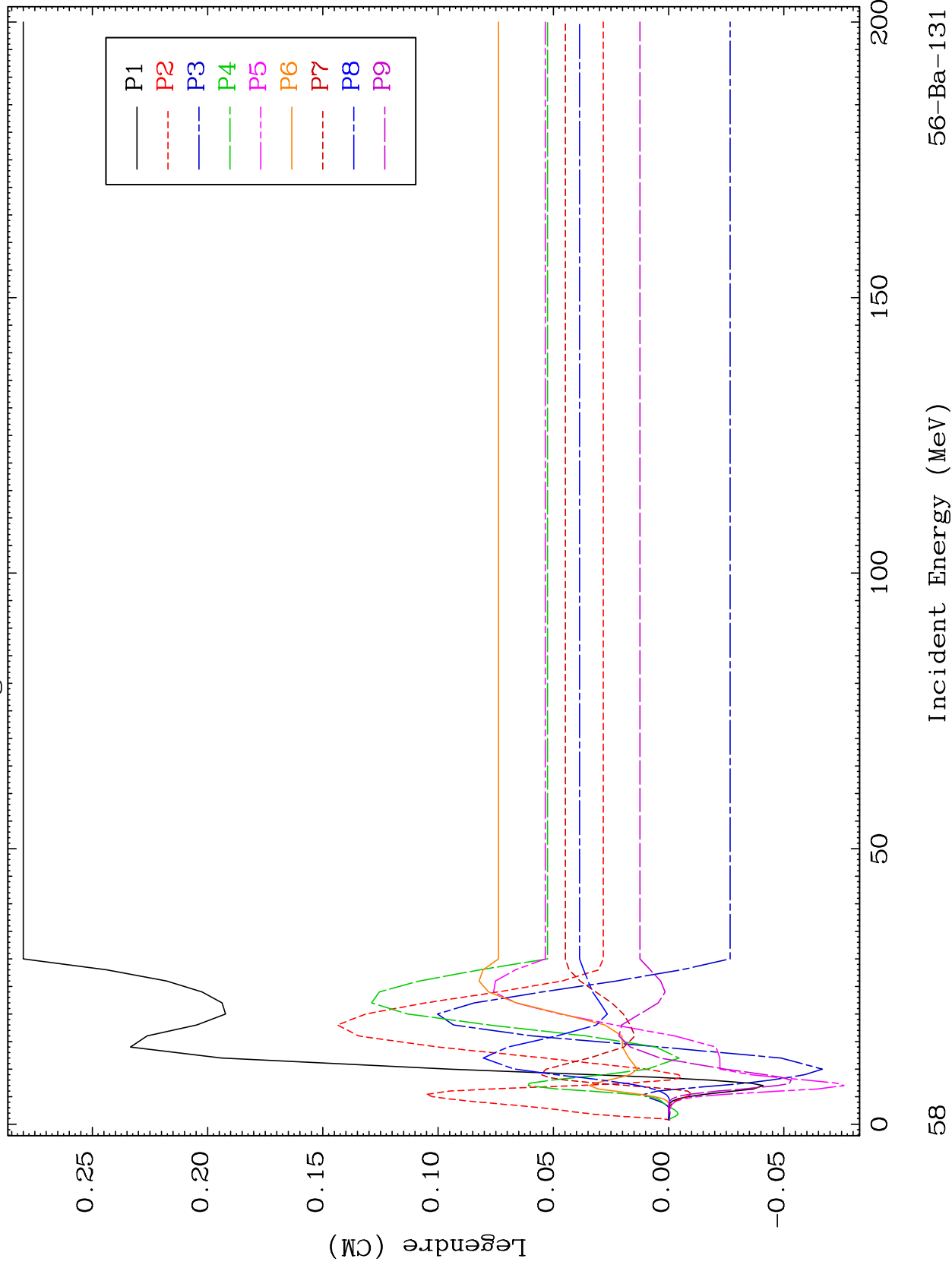




MAT 5628

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

56-Ba-131



56-Ba-131

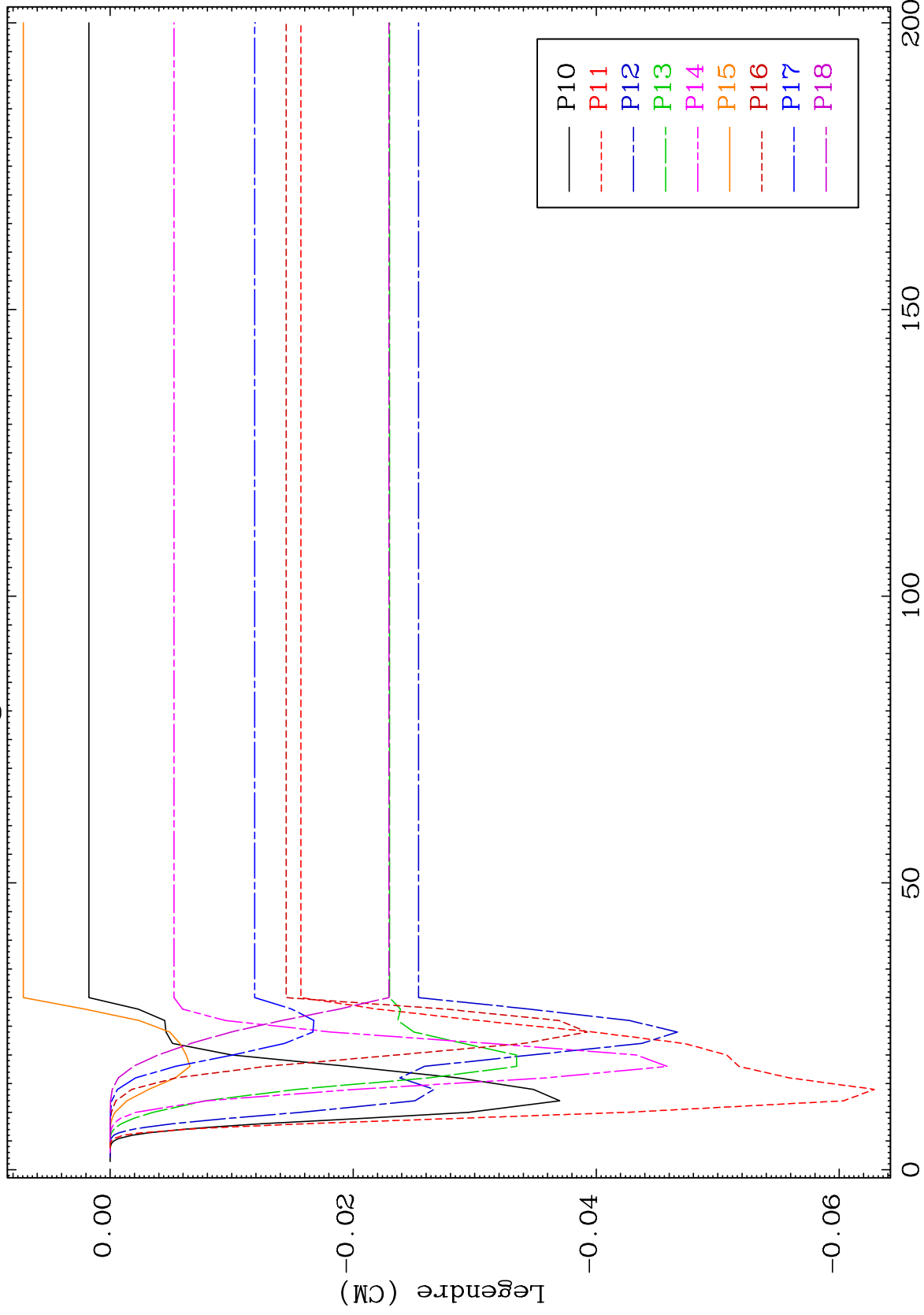
Incident Energy (MeV)

58

MAT 5628

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

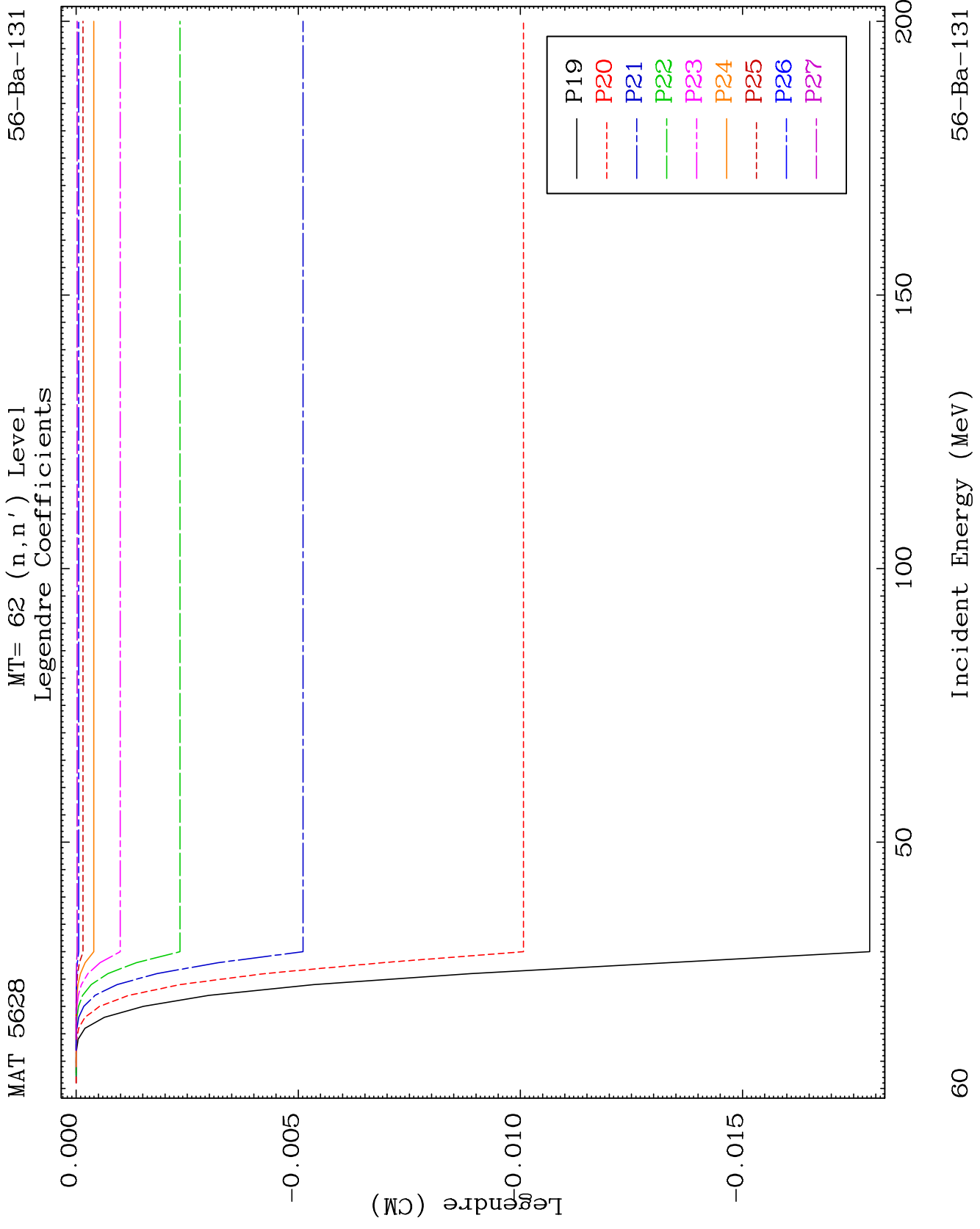
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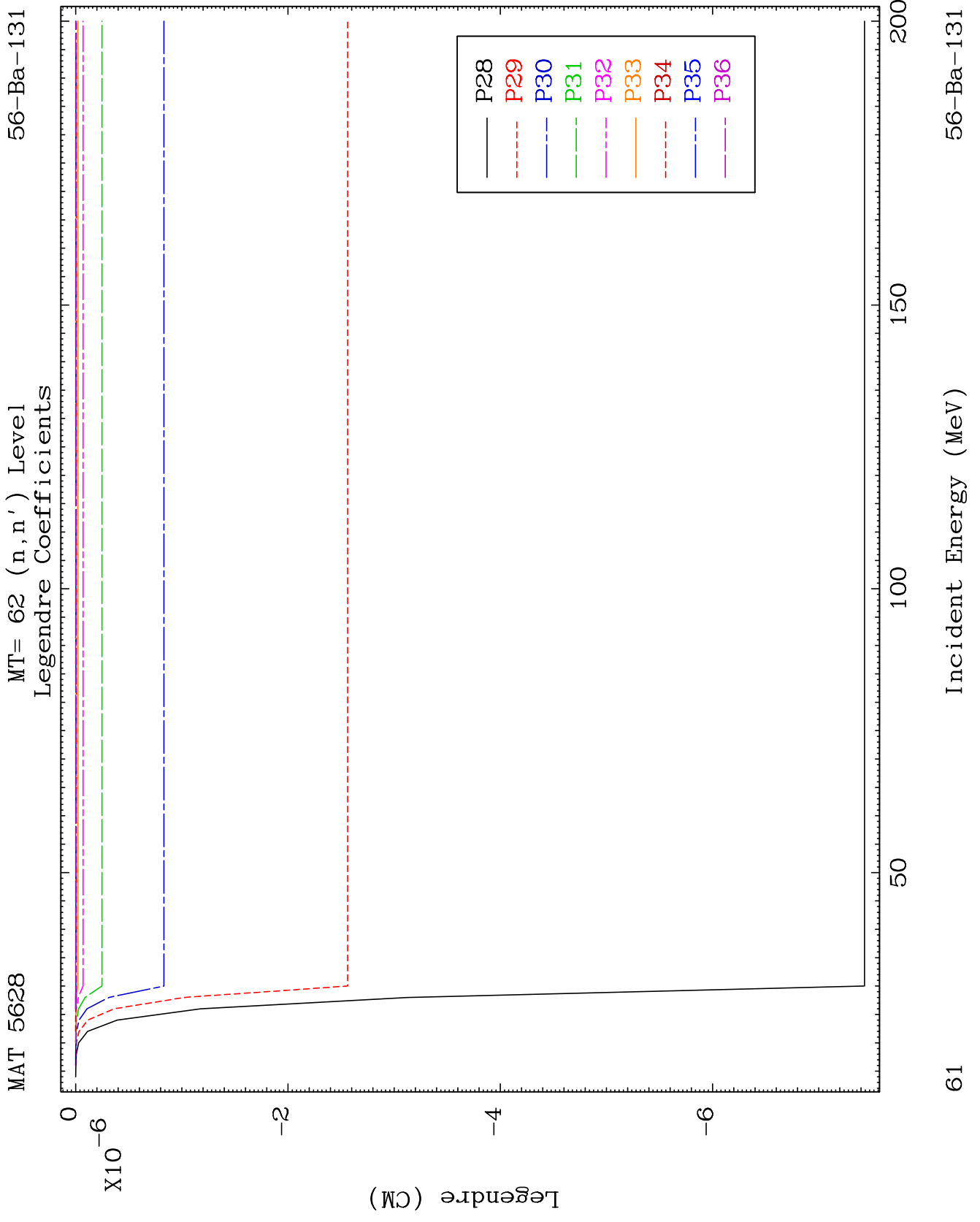


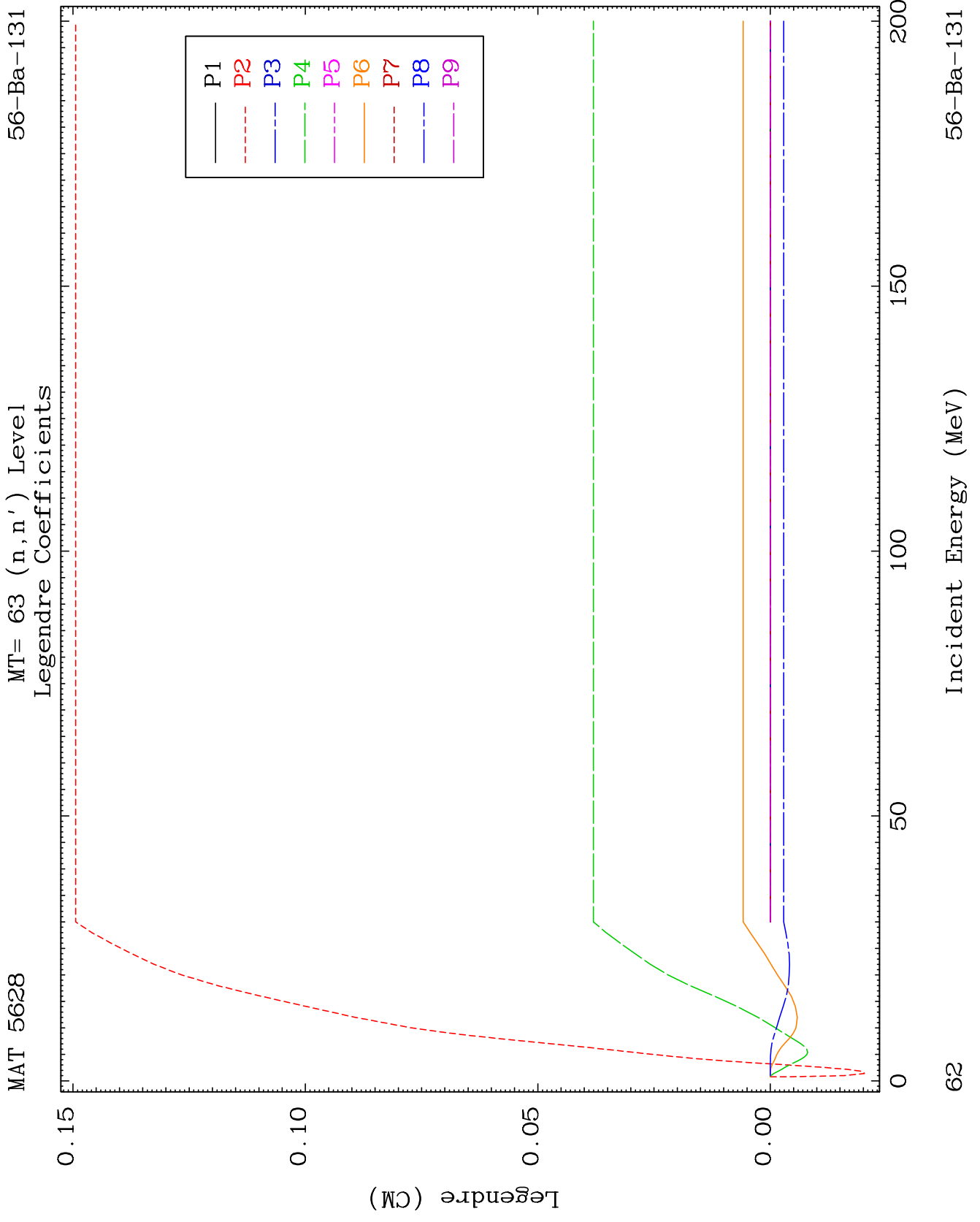
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Incident Energy (MeV)

56-Ba-131





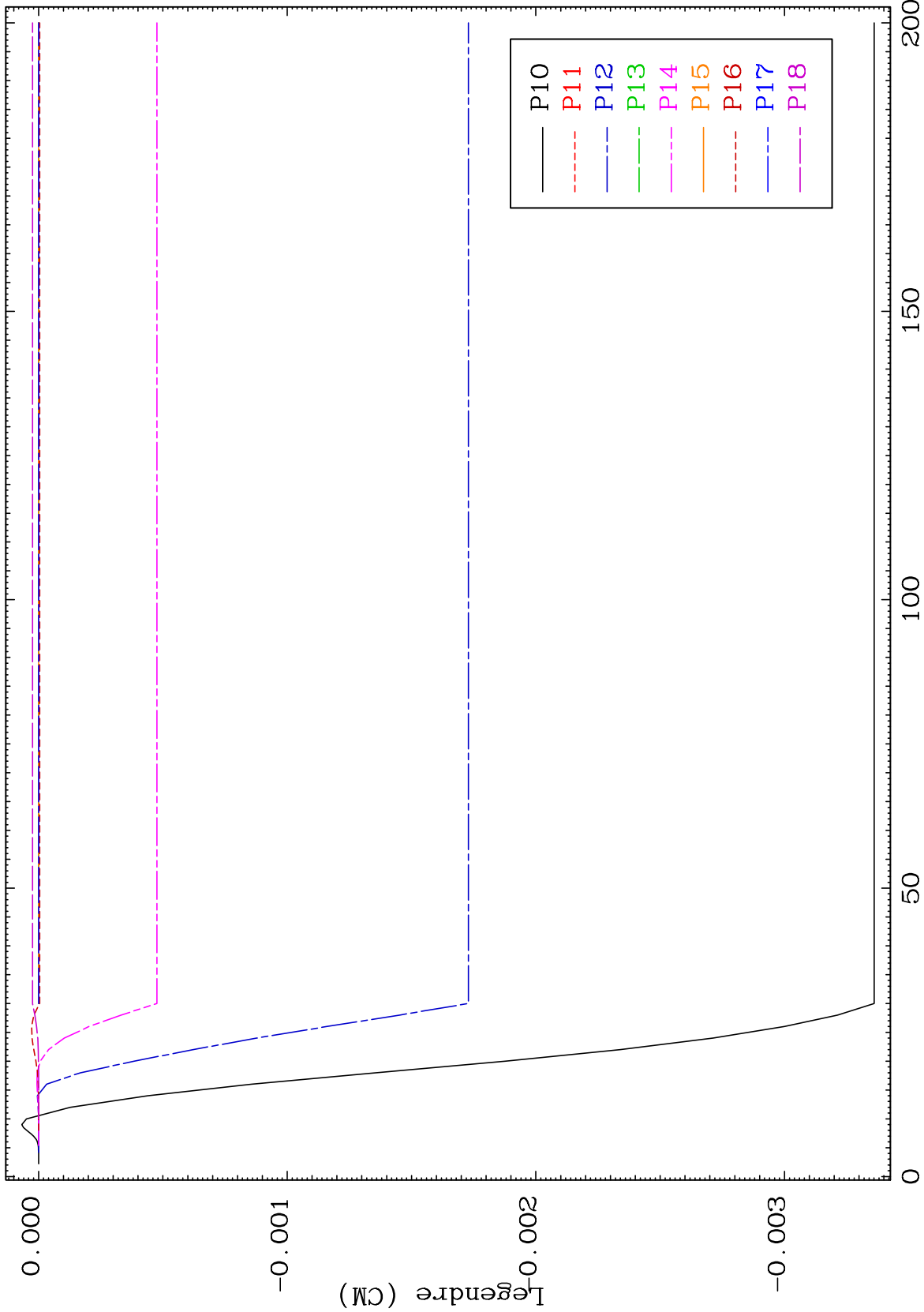


MAT 5628

MT= 63 (n,n') Level

56-Ba-131

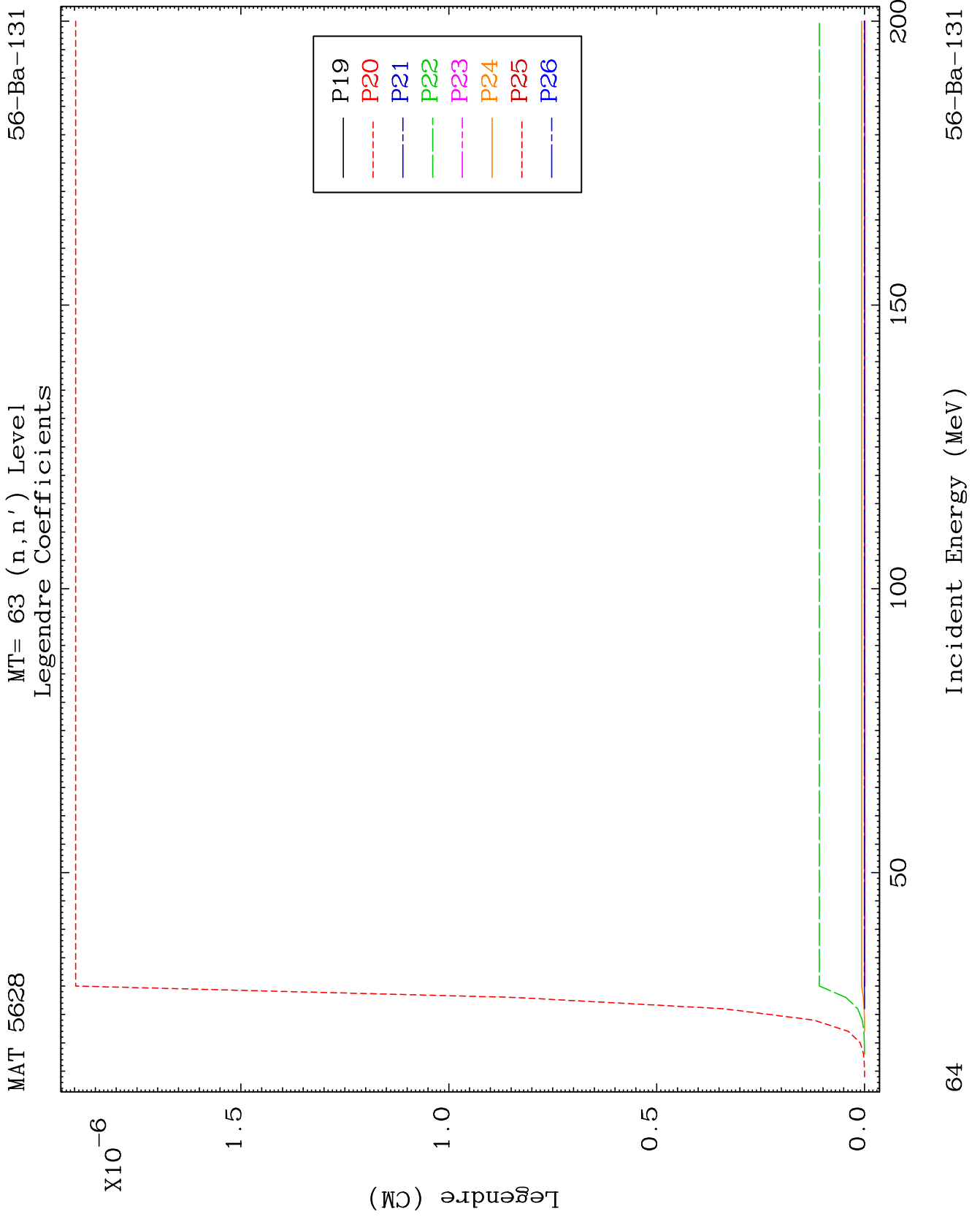
Legendre Coefficients



63

Incident Energy (MeV)

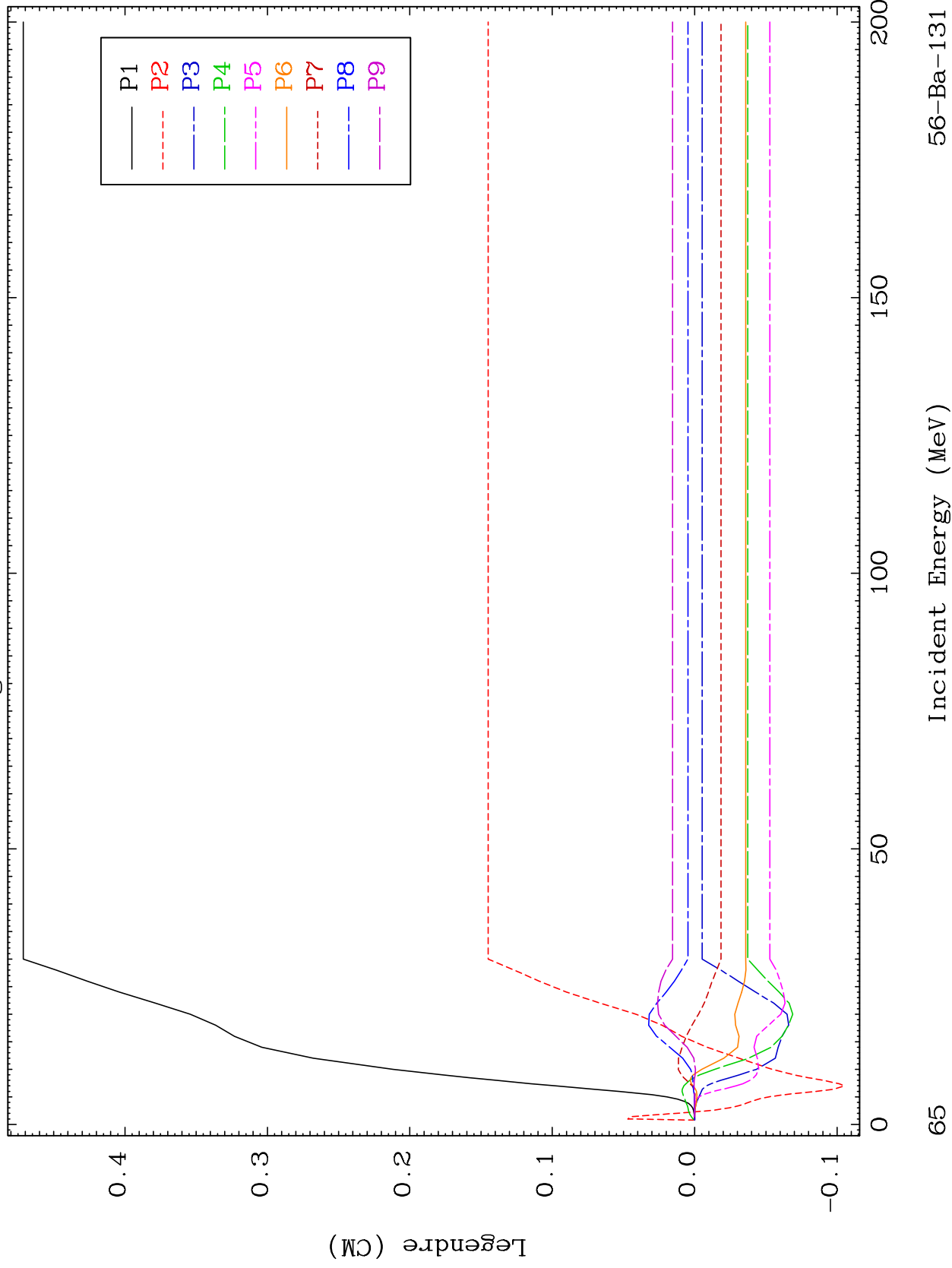
56-Ba-131



MAT 5628

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

56-Ba-131



56-Ba-131

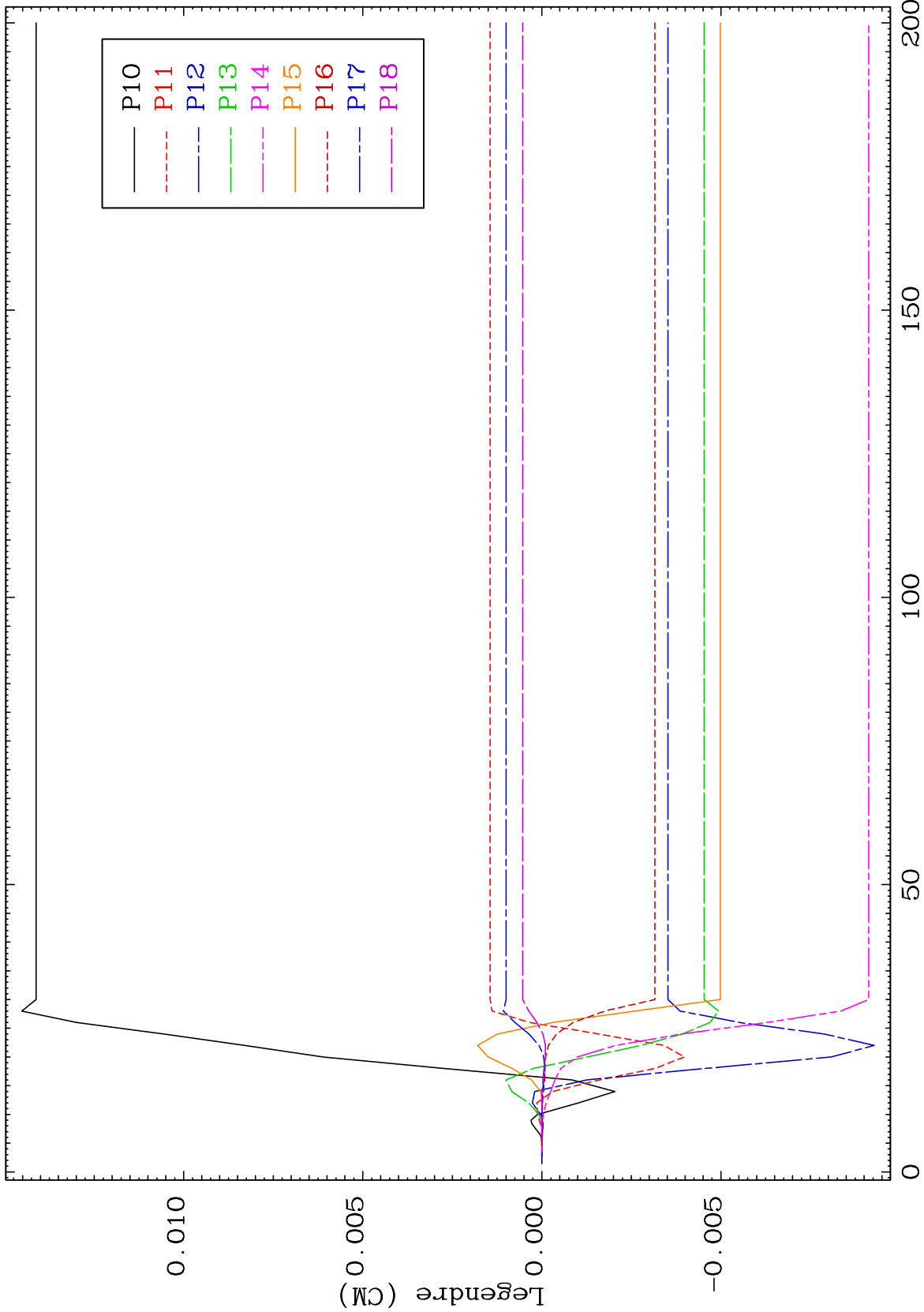
Incident Energy (MeV)

65

MAT 5628

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

56-Ba-131



66

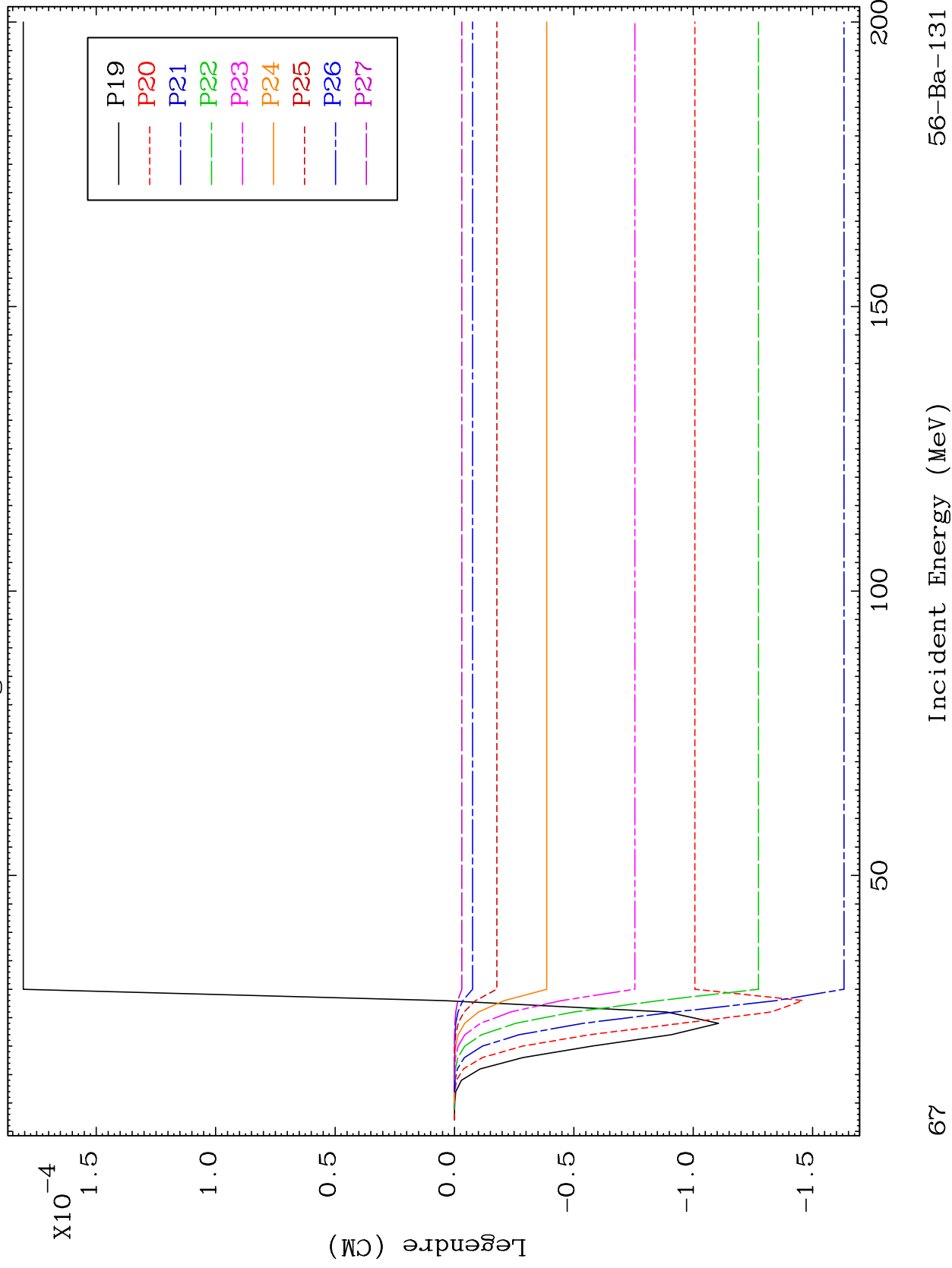
Incident Energy (MeV)

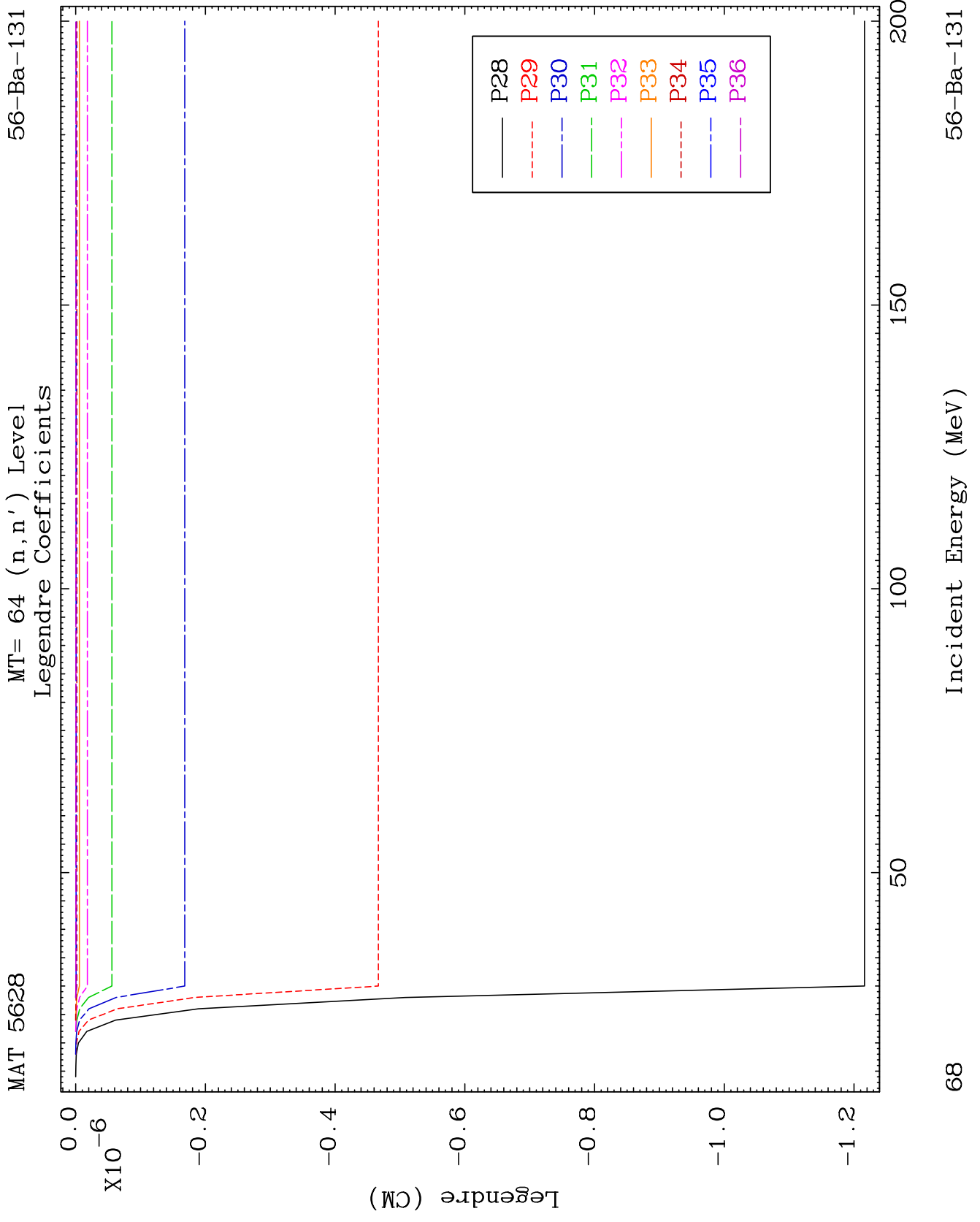
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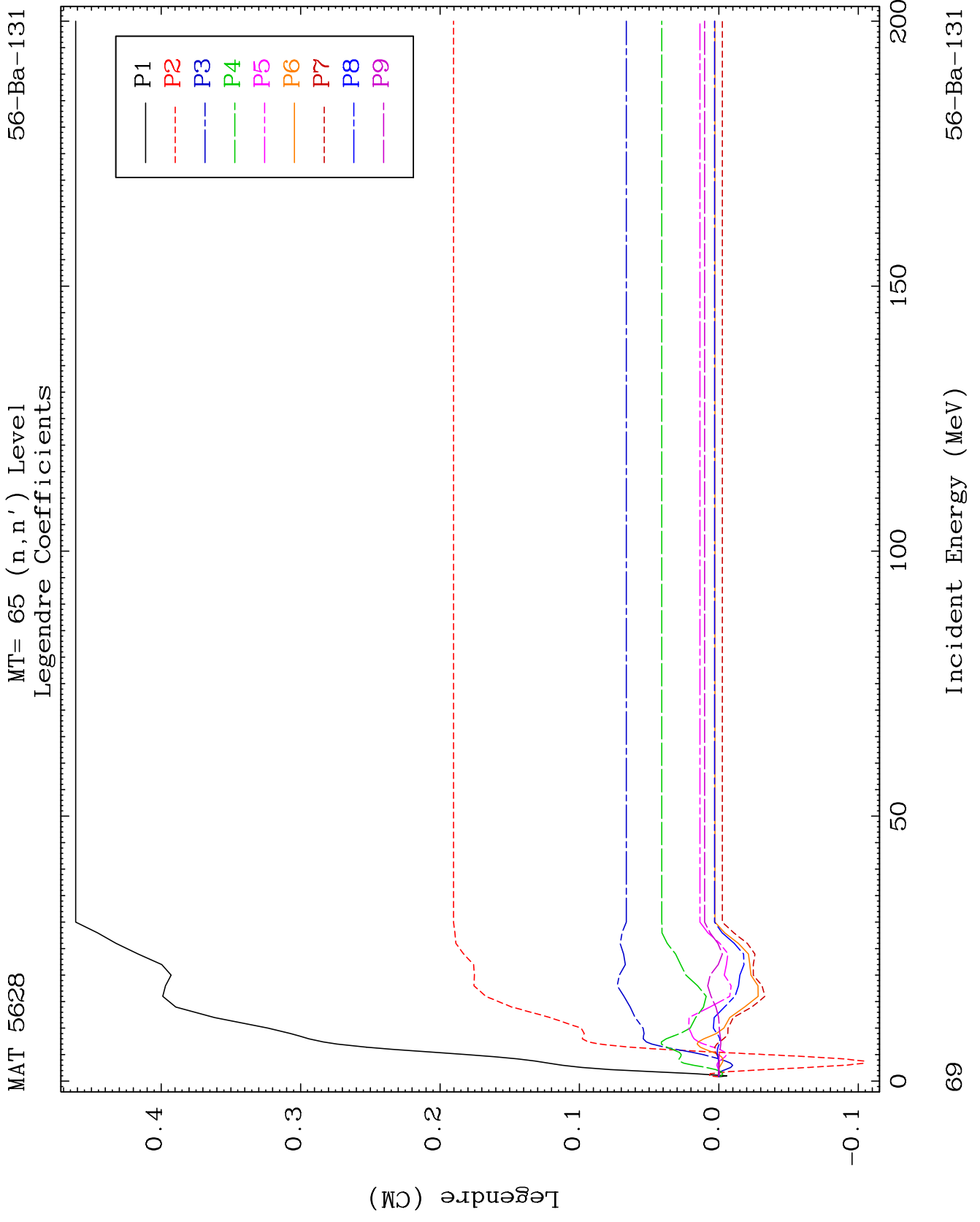
MAT 5628

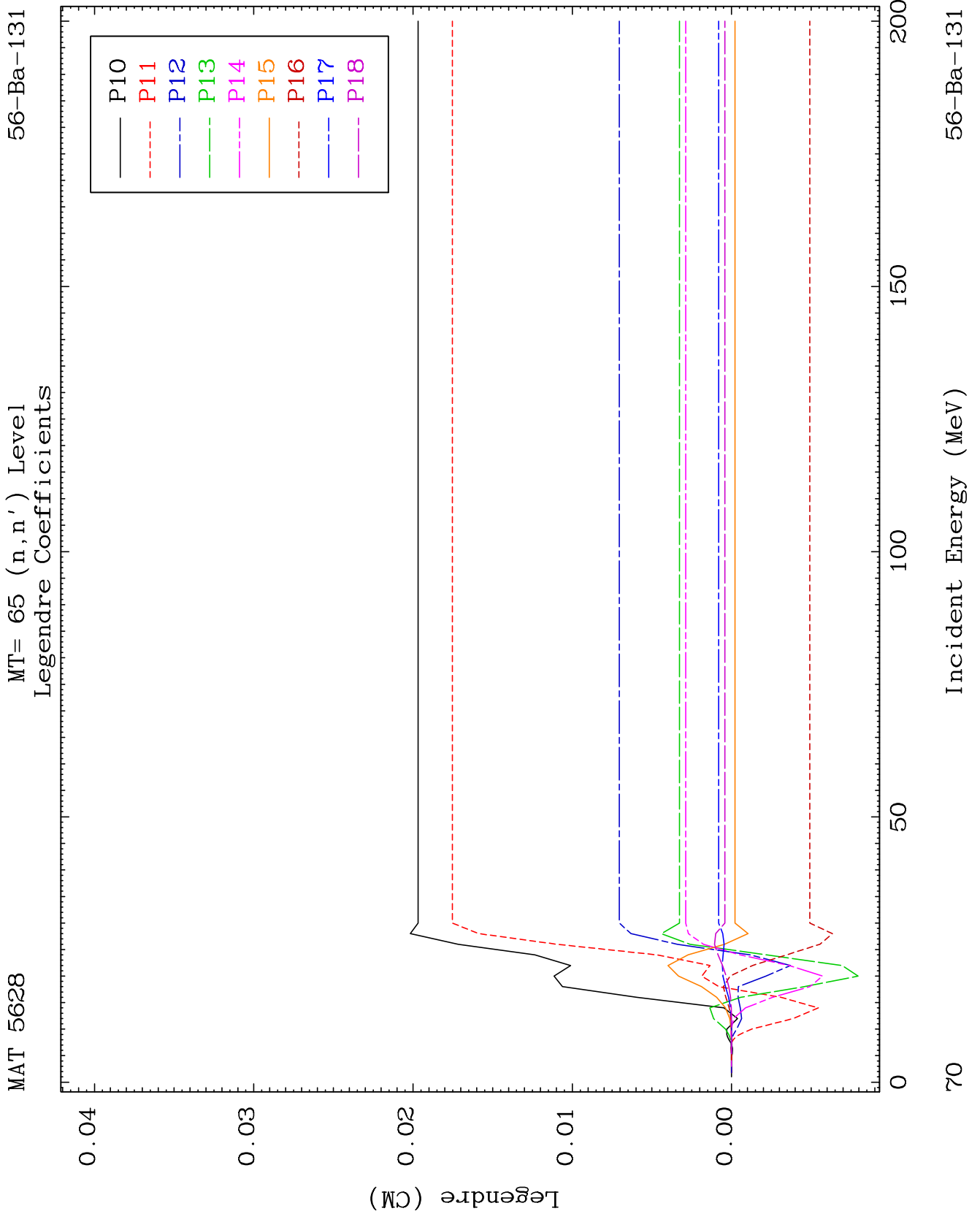
MT= 64 (n,n') Level  
Legendre Coefficients

56-Ba-131





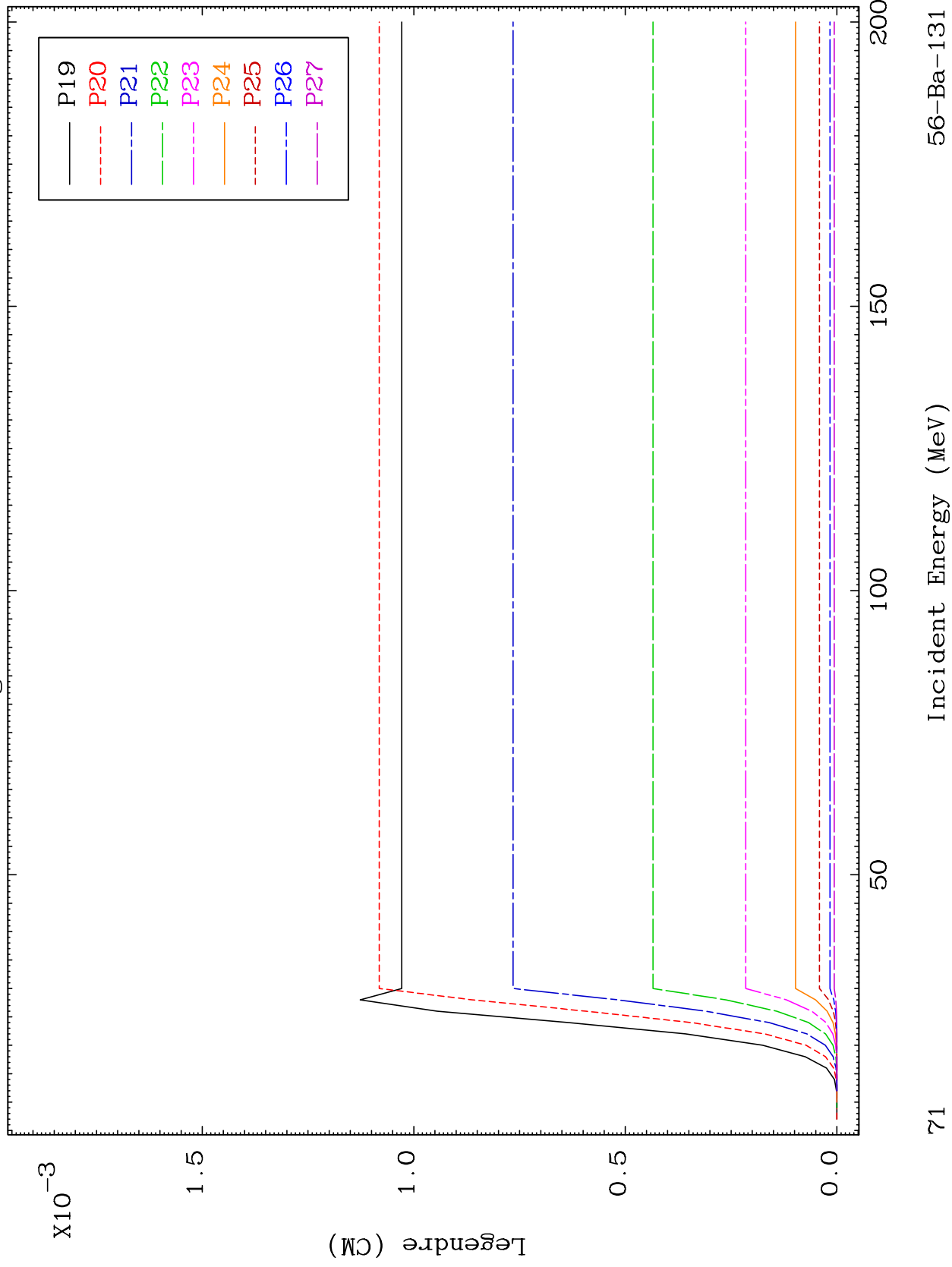




MAT 5628

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

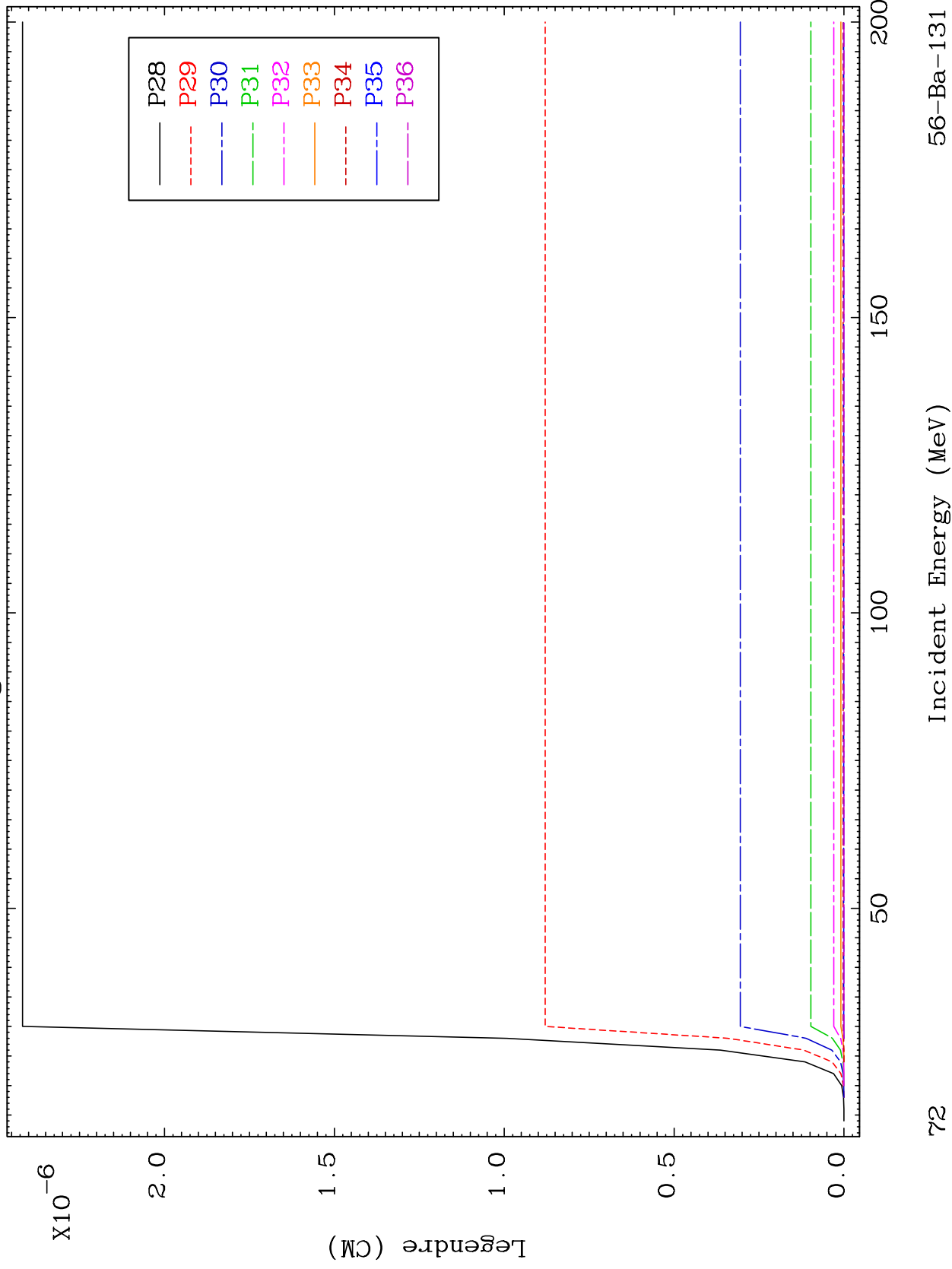
56-Ba-131



MAT 5628

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

56-Ba-131

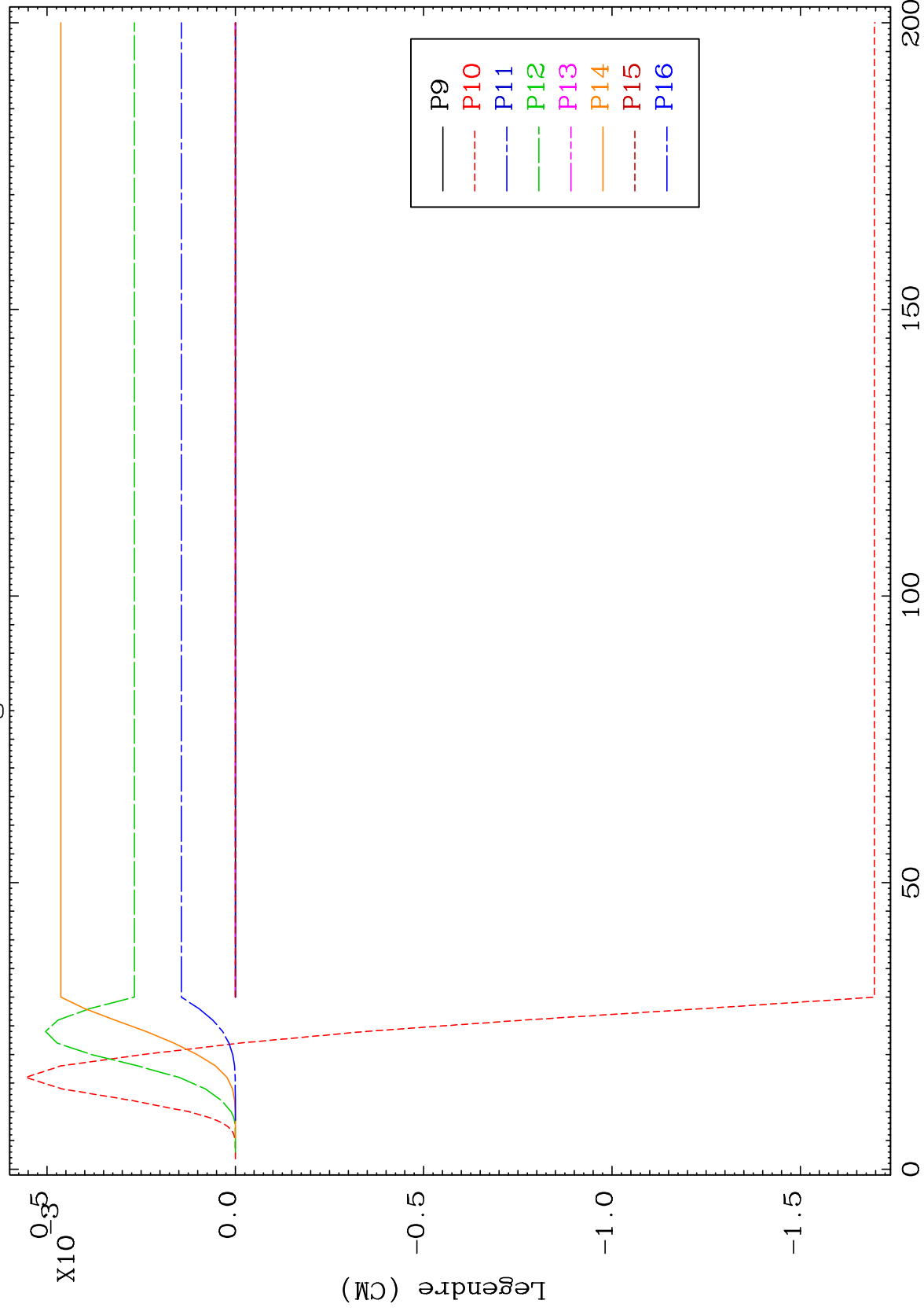




MAT 5628

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

56-Ba-131



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Incident Energy (MeV)

56-Ba-131

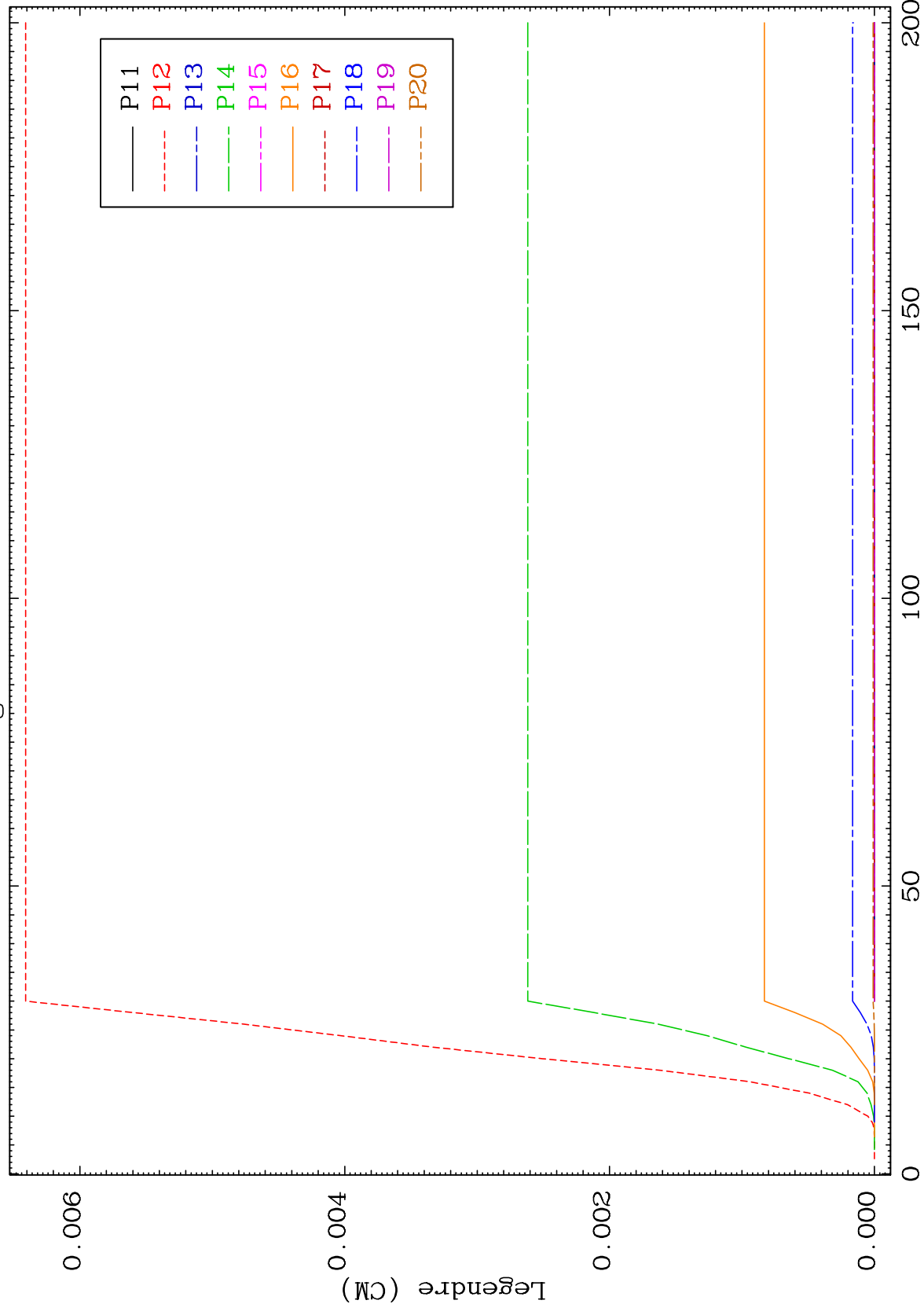




MAT 5628

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

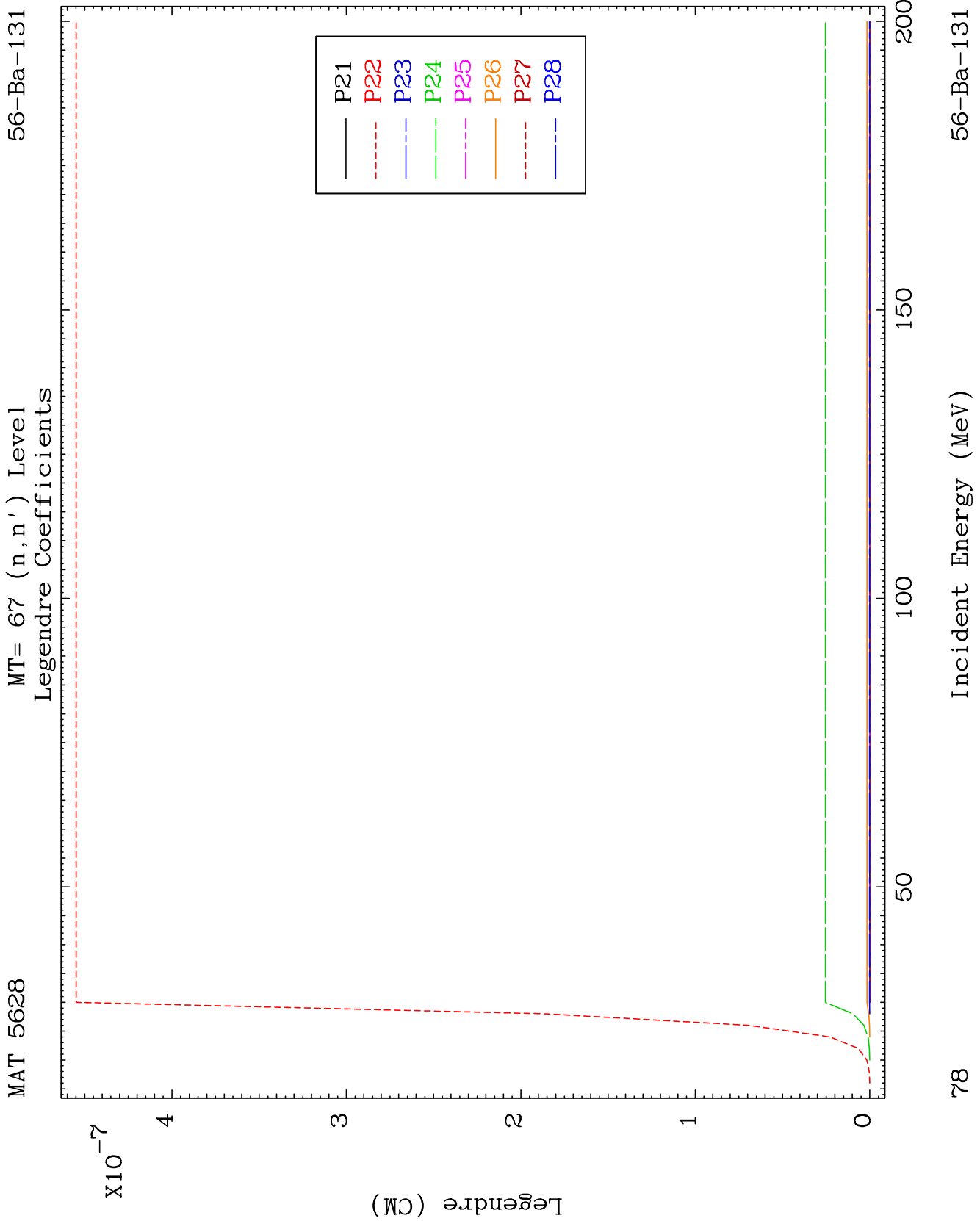
56-Ba-131

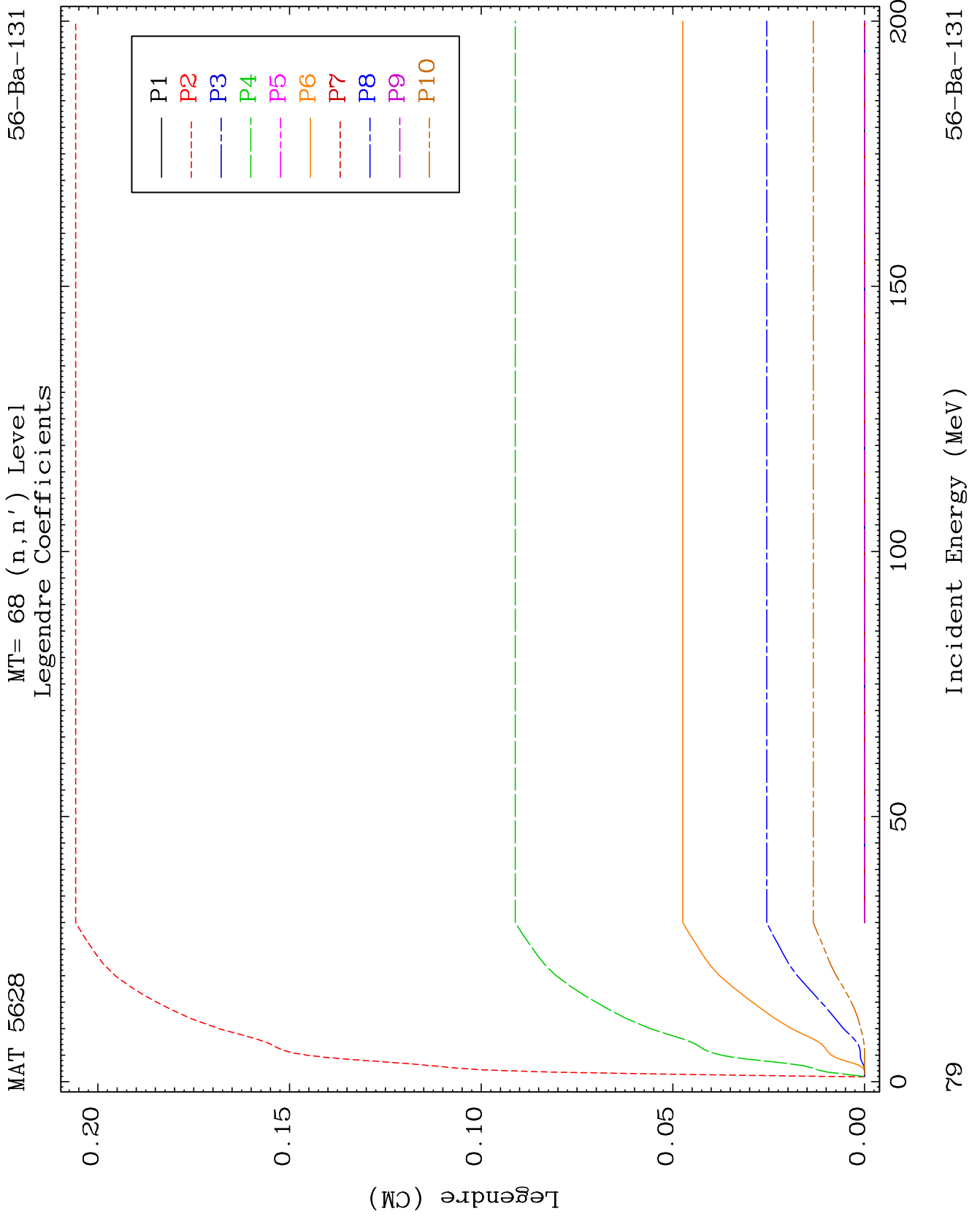


77

Incident Energy (MeV)

56-Ba-131



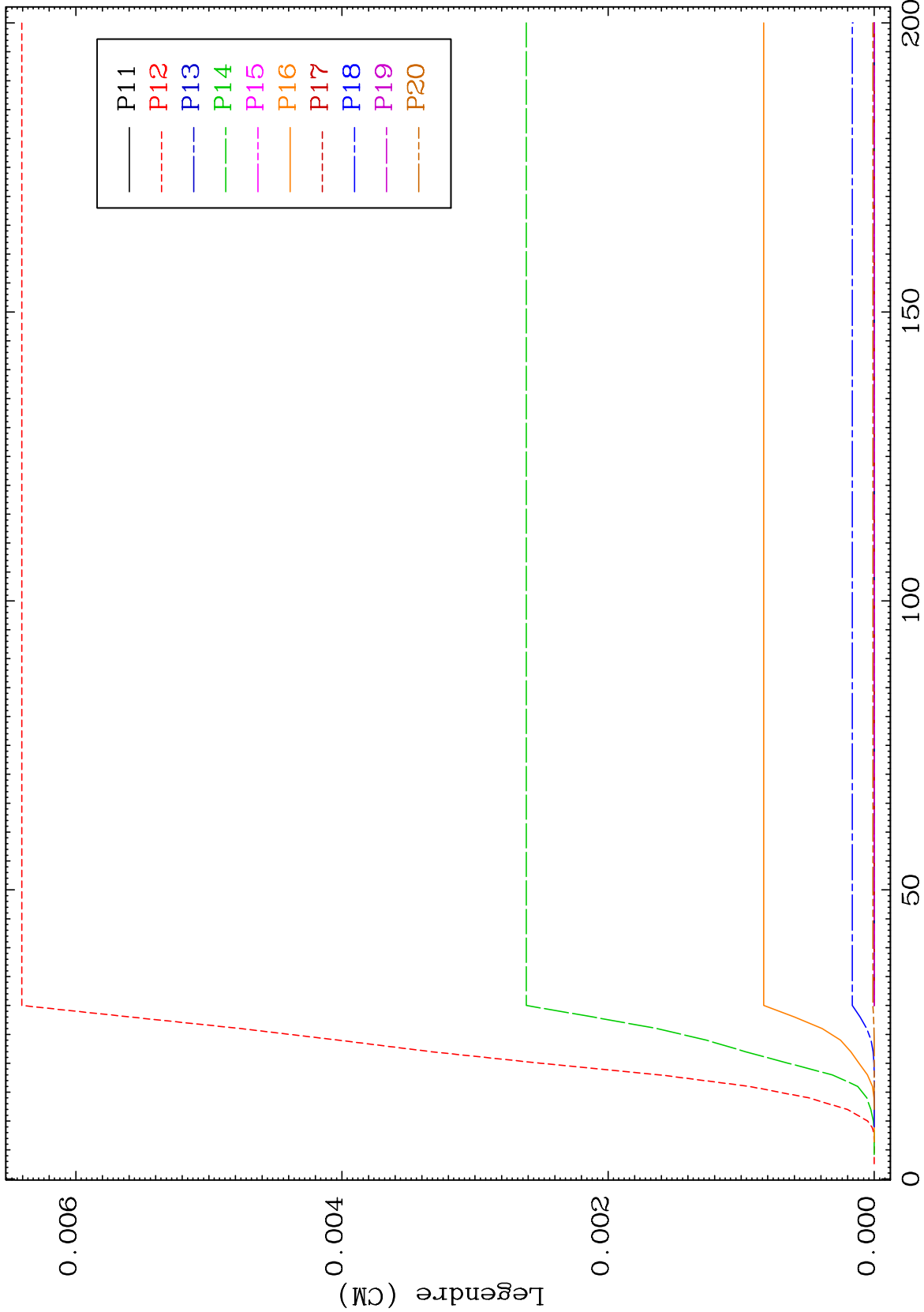


MAT 5628

MT= 68 (n,n') Level

56-Ba-131

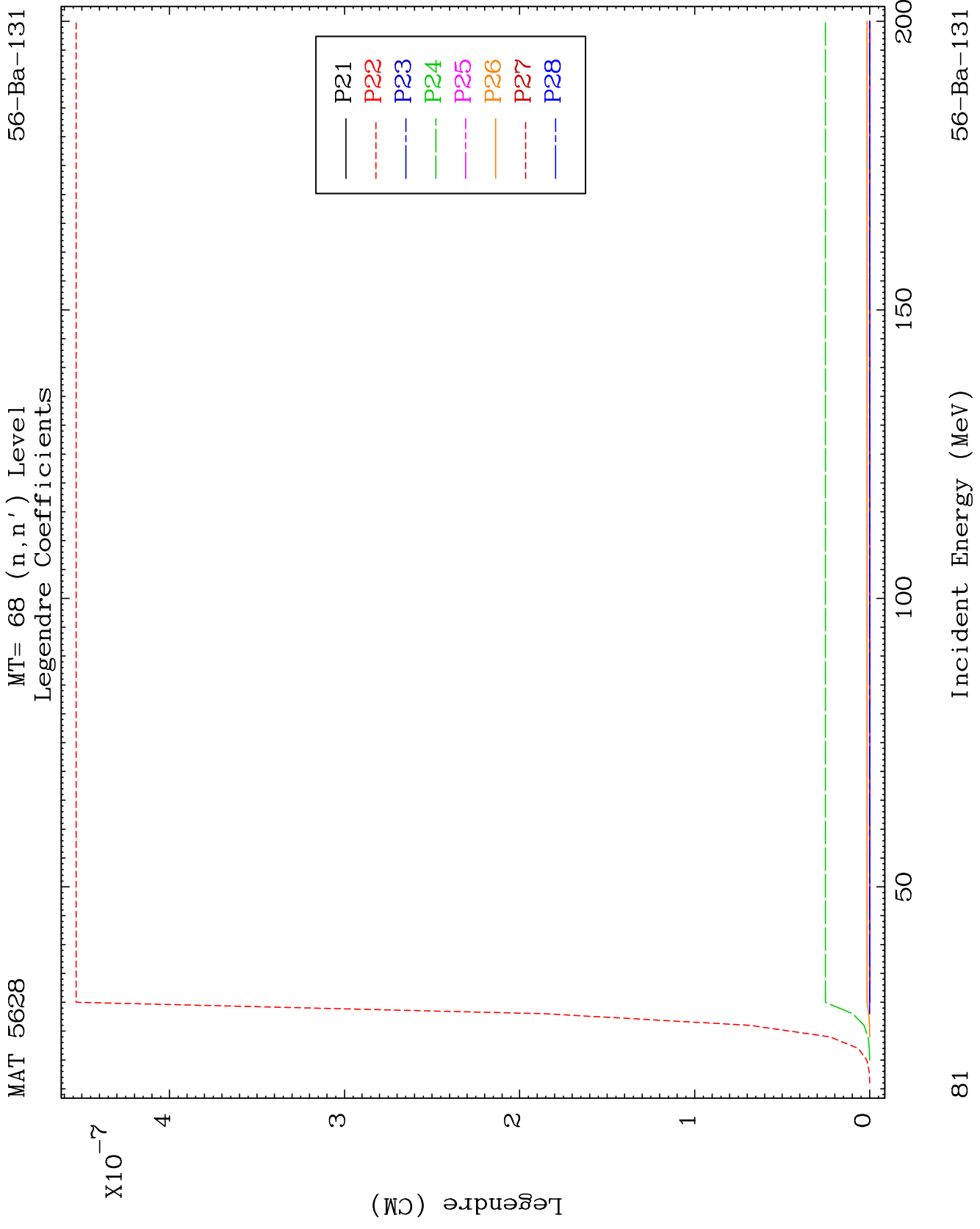
Legendre Coefficients



80

Incident Energy (MeV)

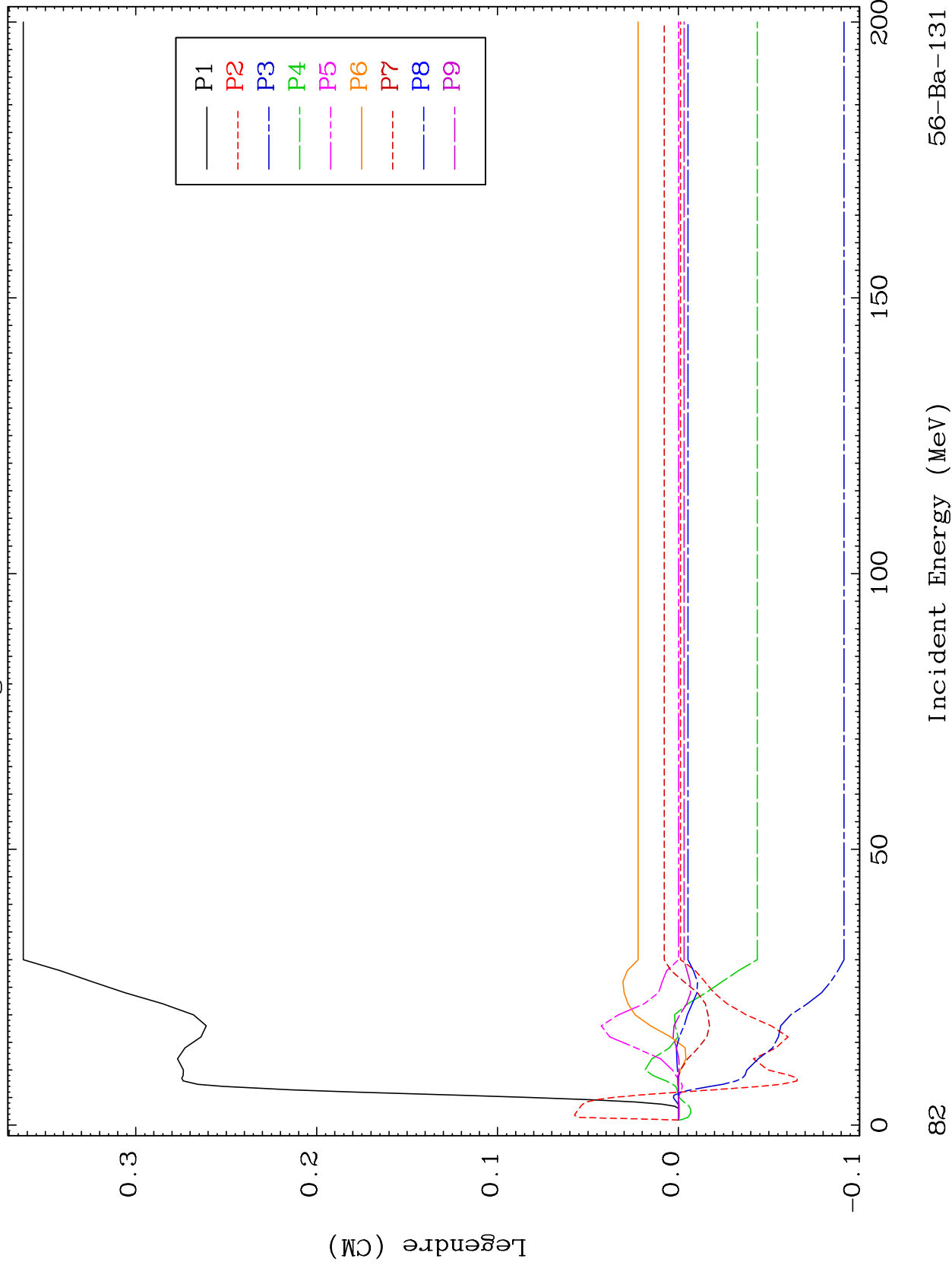
56-Ba-131



MAT 5628

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

56-Ba-131



56-Ba-131

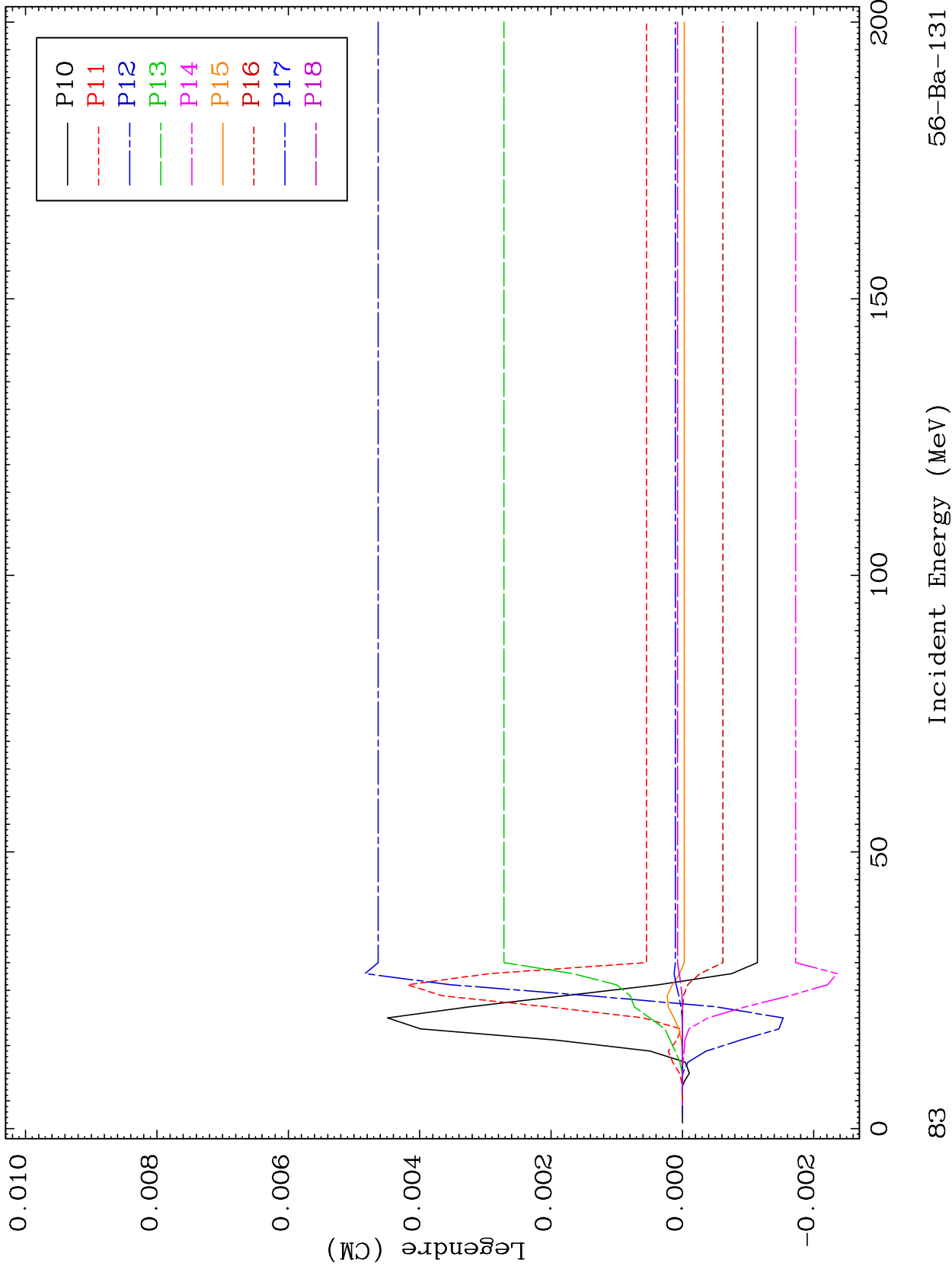
Incident Energy (MeV)

82

MAT 5628

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

56-Ba-131



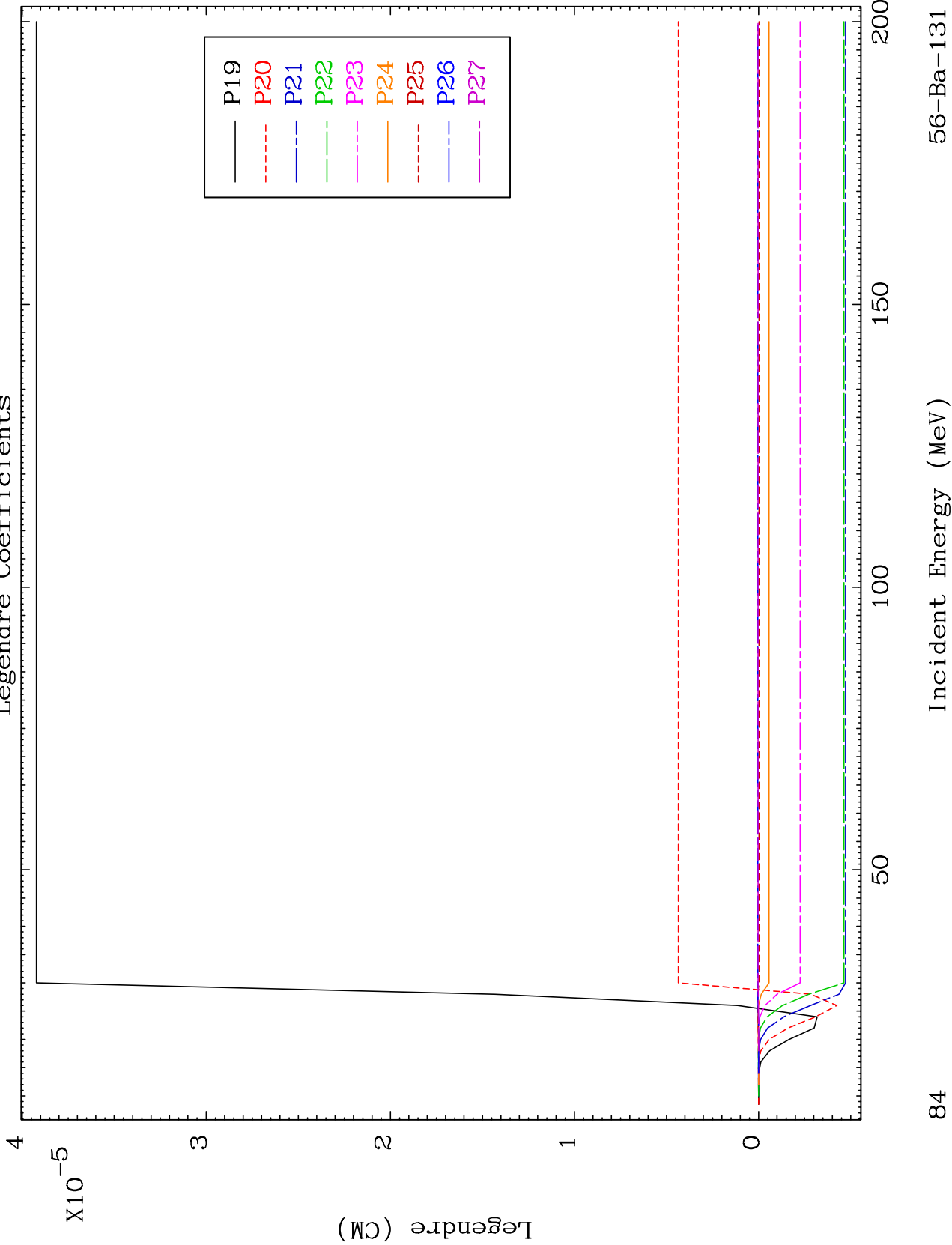
83

56-Ba-131

MAT 5628

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

56-Ba-131



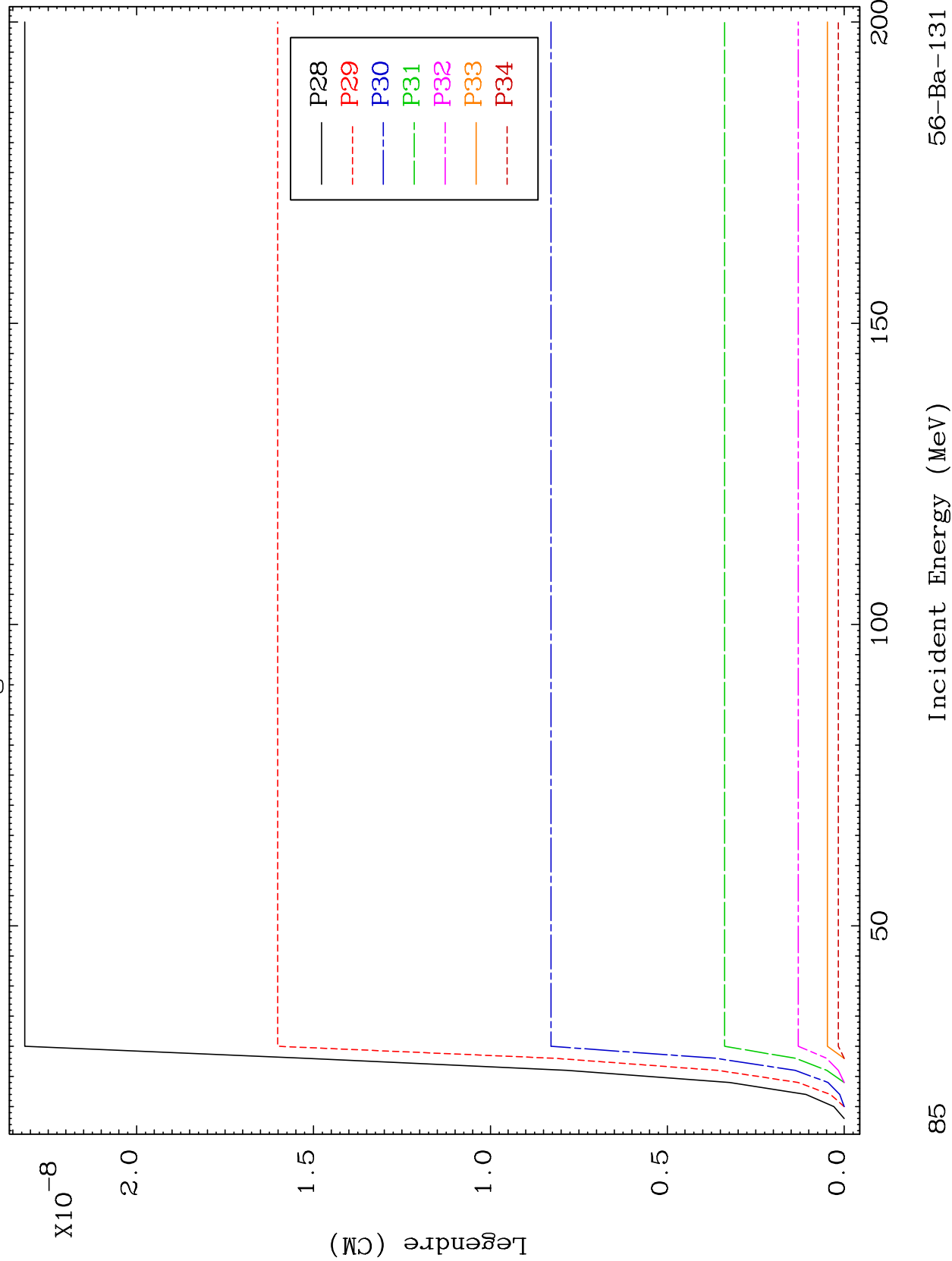
84

56-Ba-131

MAT 5628

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

56-Ba-131



85

Incident Energy (MeV)

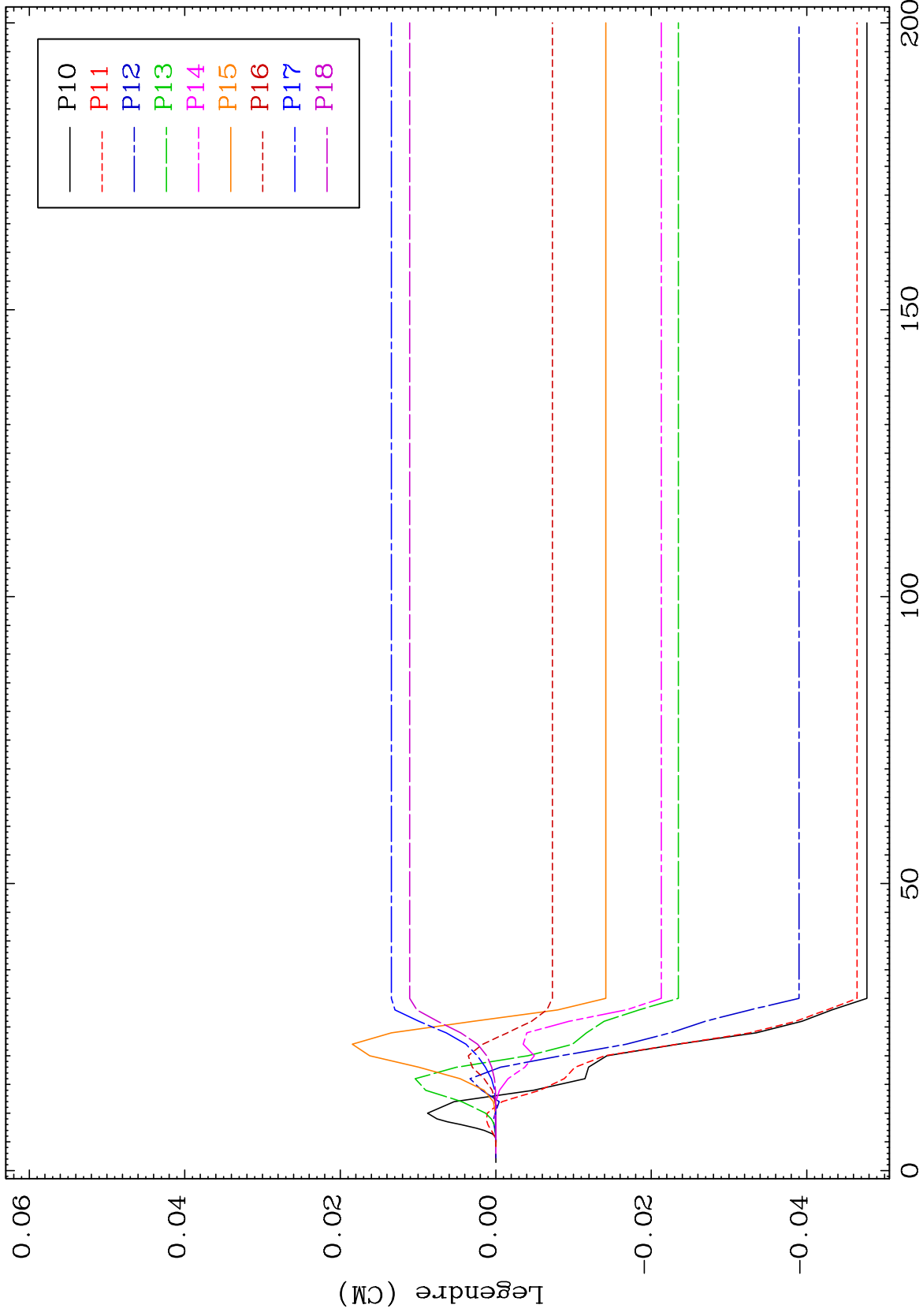
56-Ba-131



MAT 5628

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

56-Ba-131



87

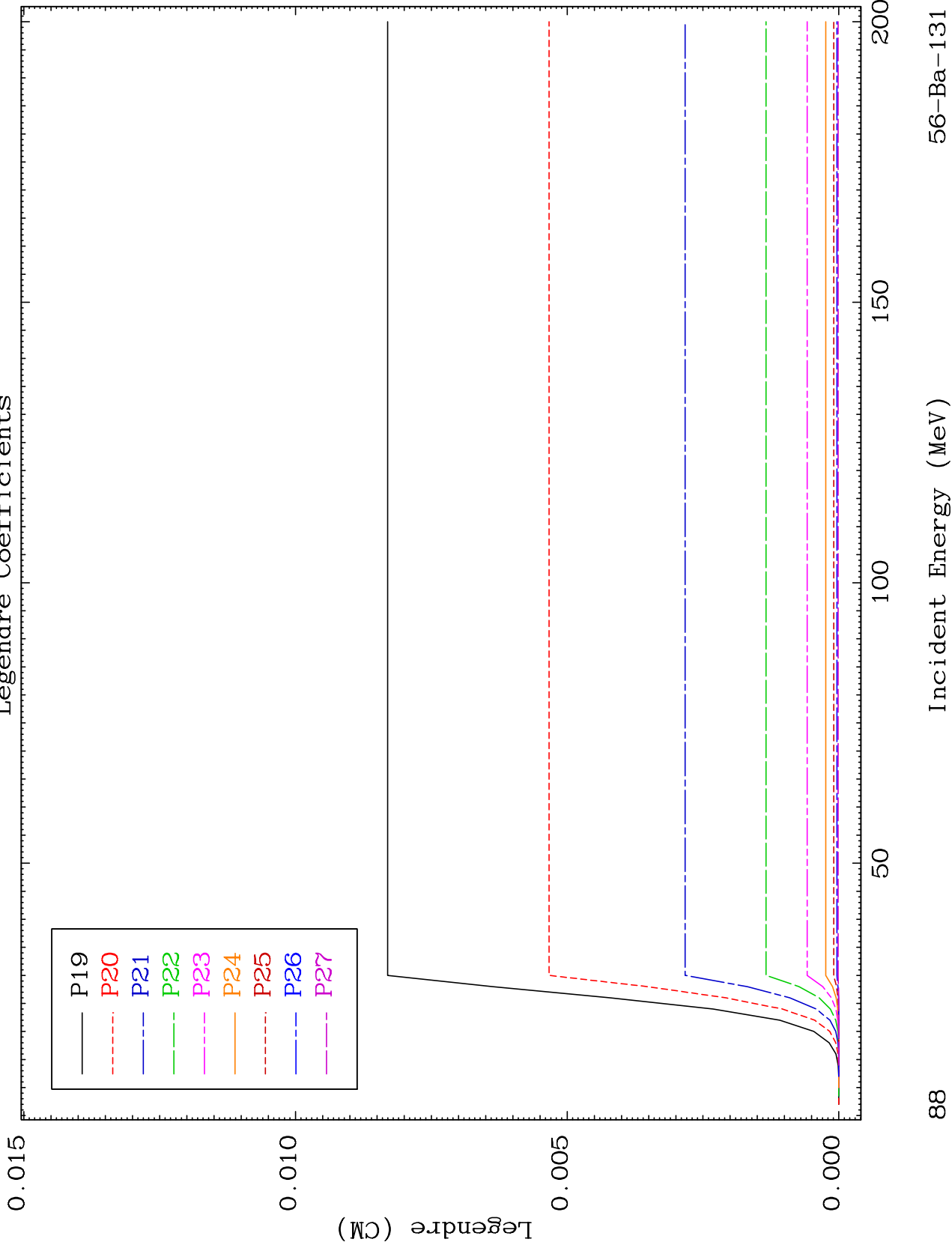
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



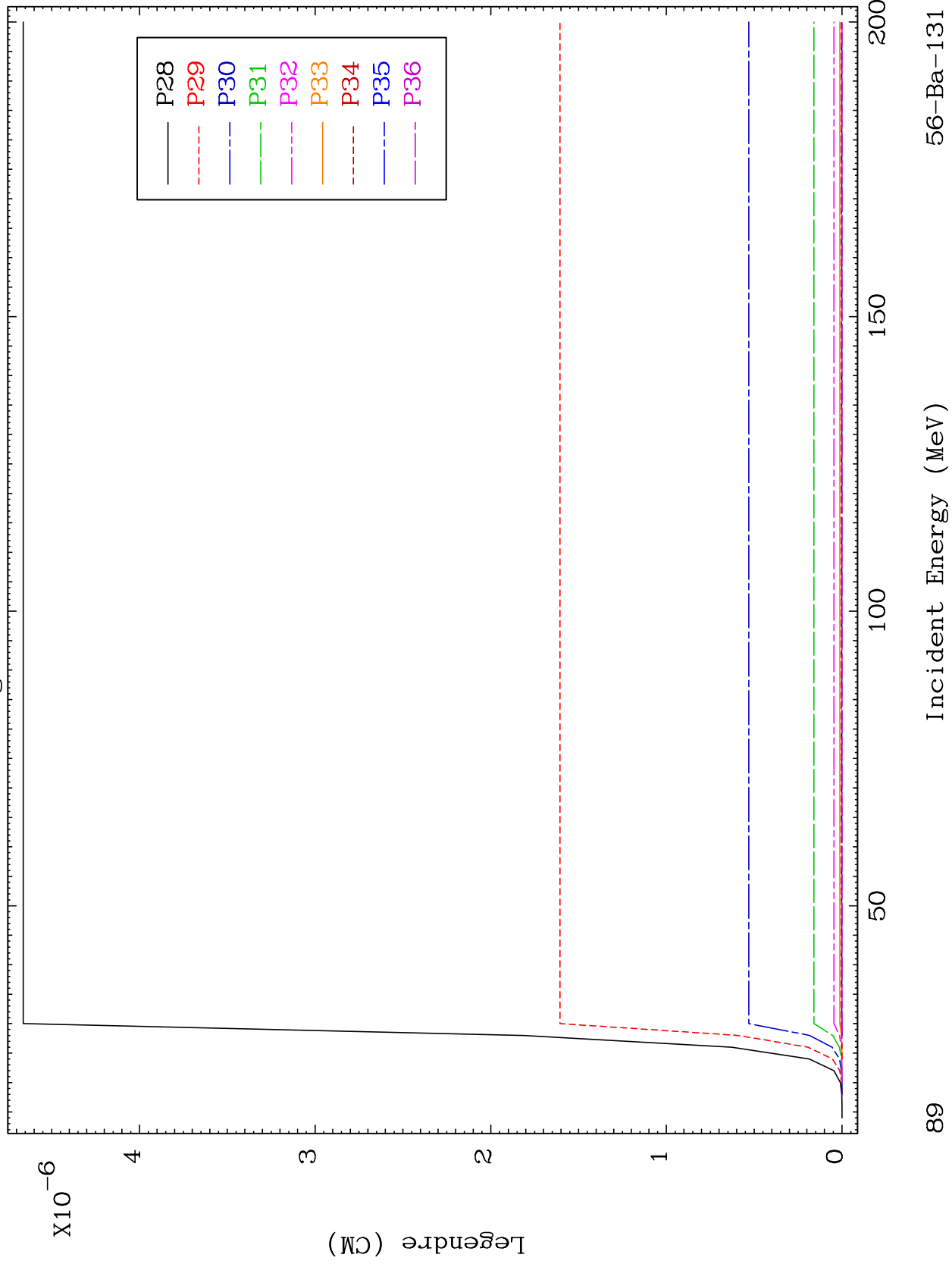
88

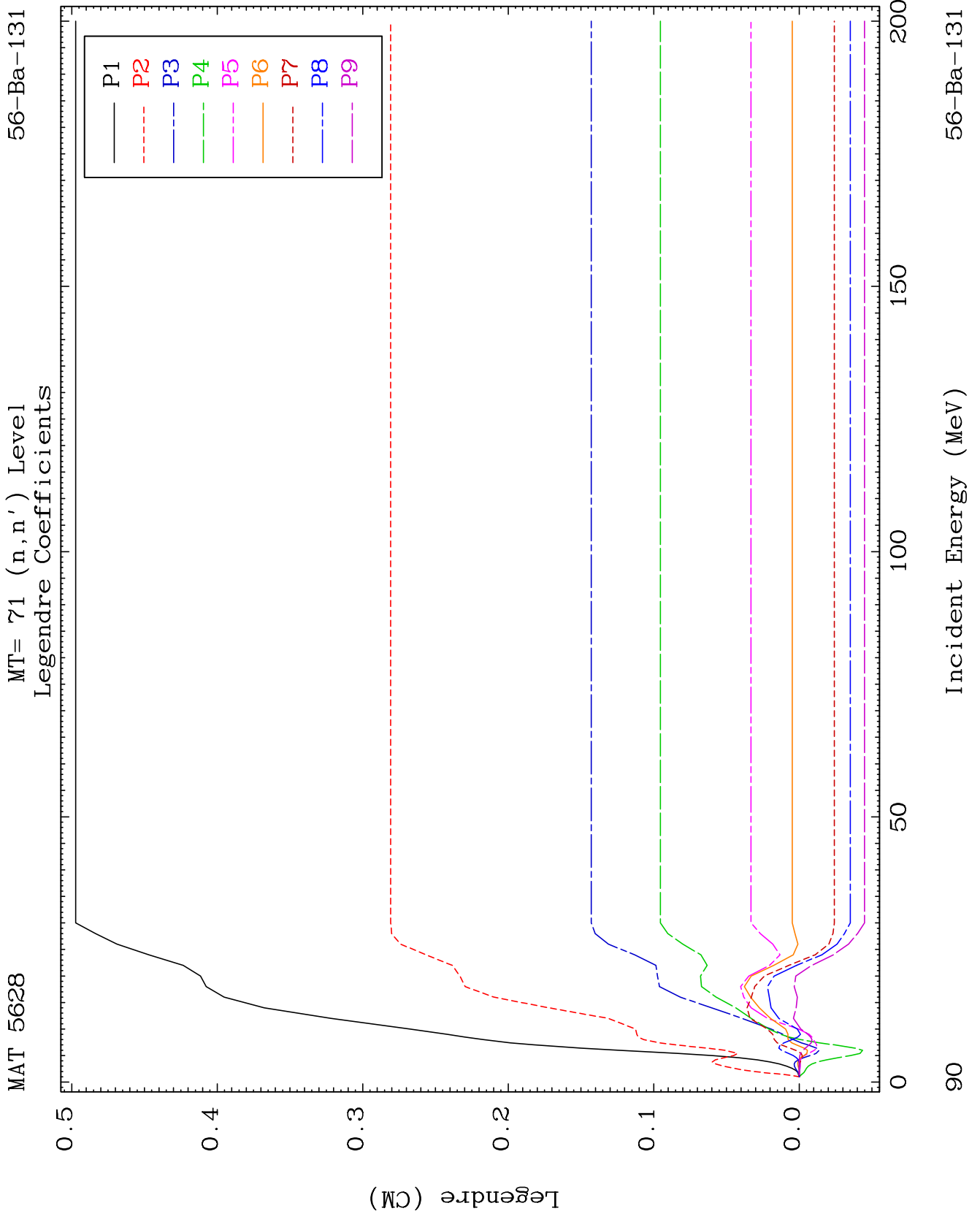
56-Ba-131

MAT 5628

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

56-Ba-131

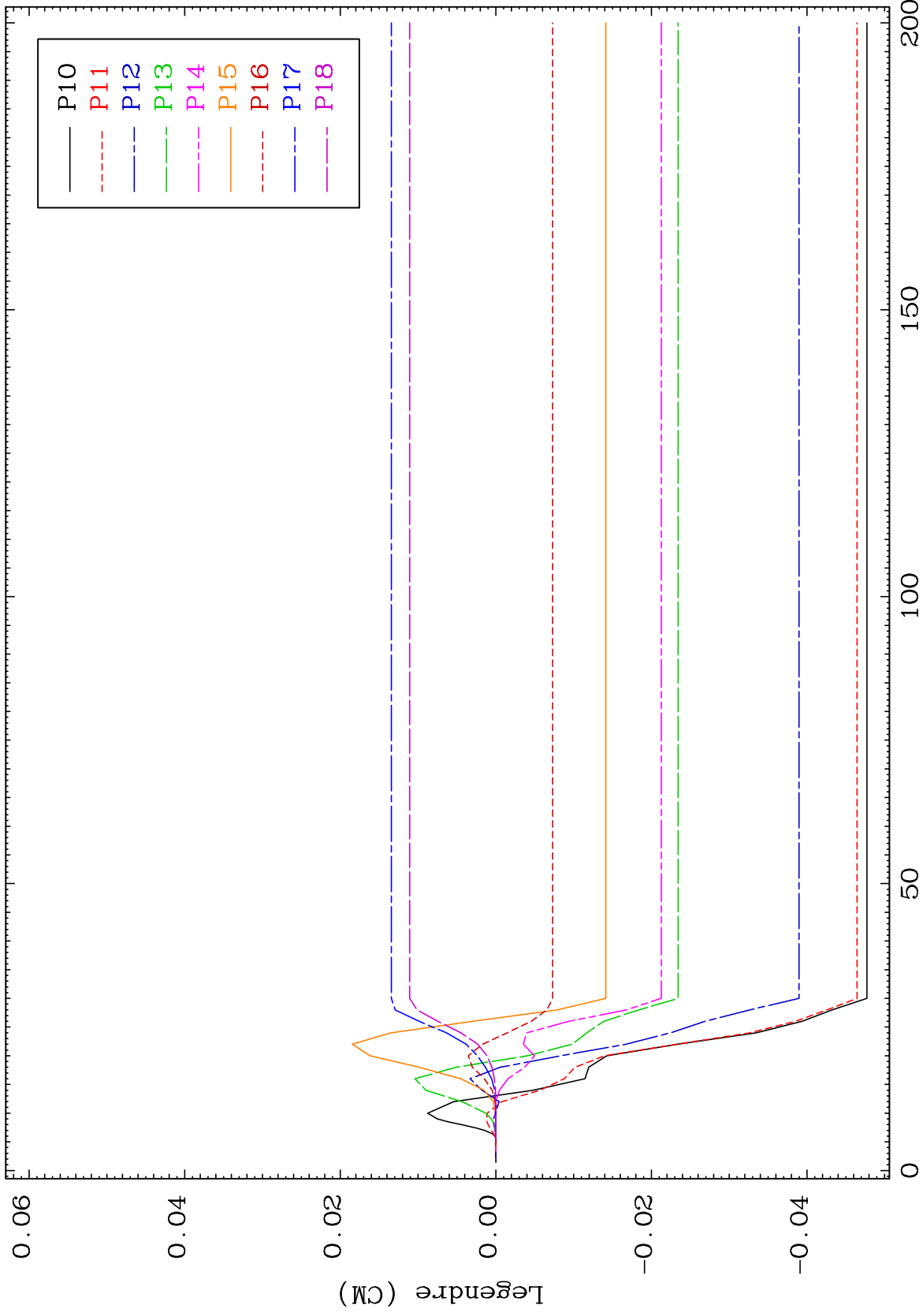




MAT 5628

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

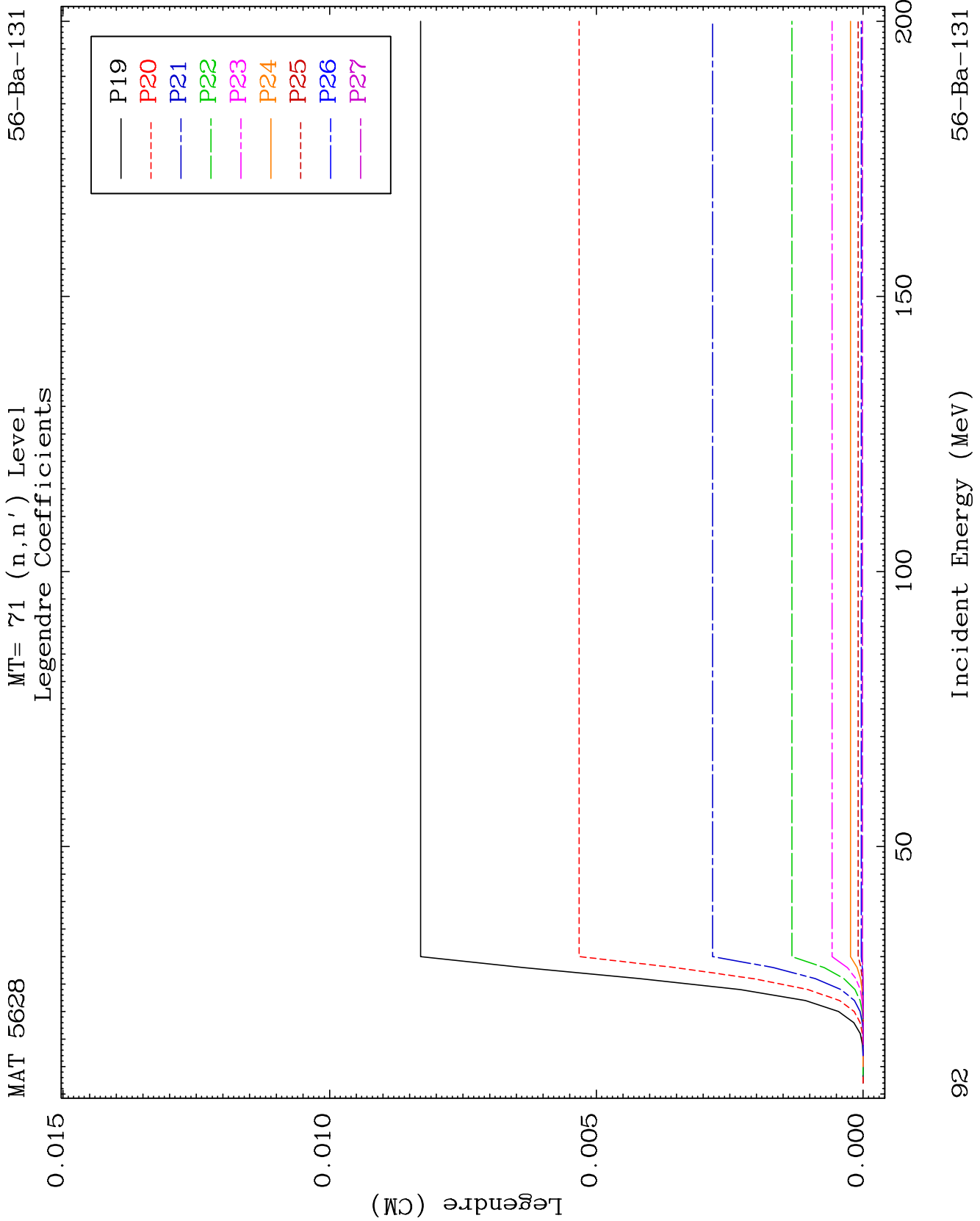
56-Ba-131



91

Incident Energy (MeV)

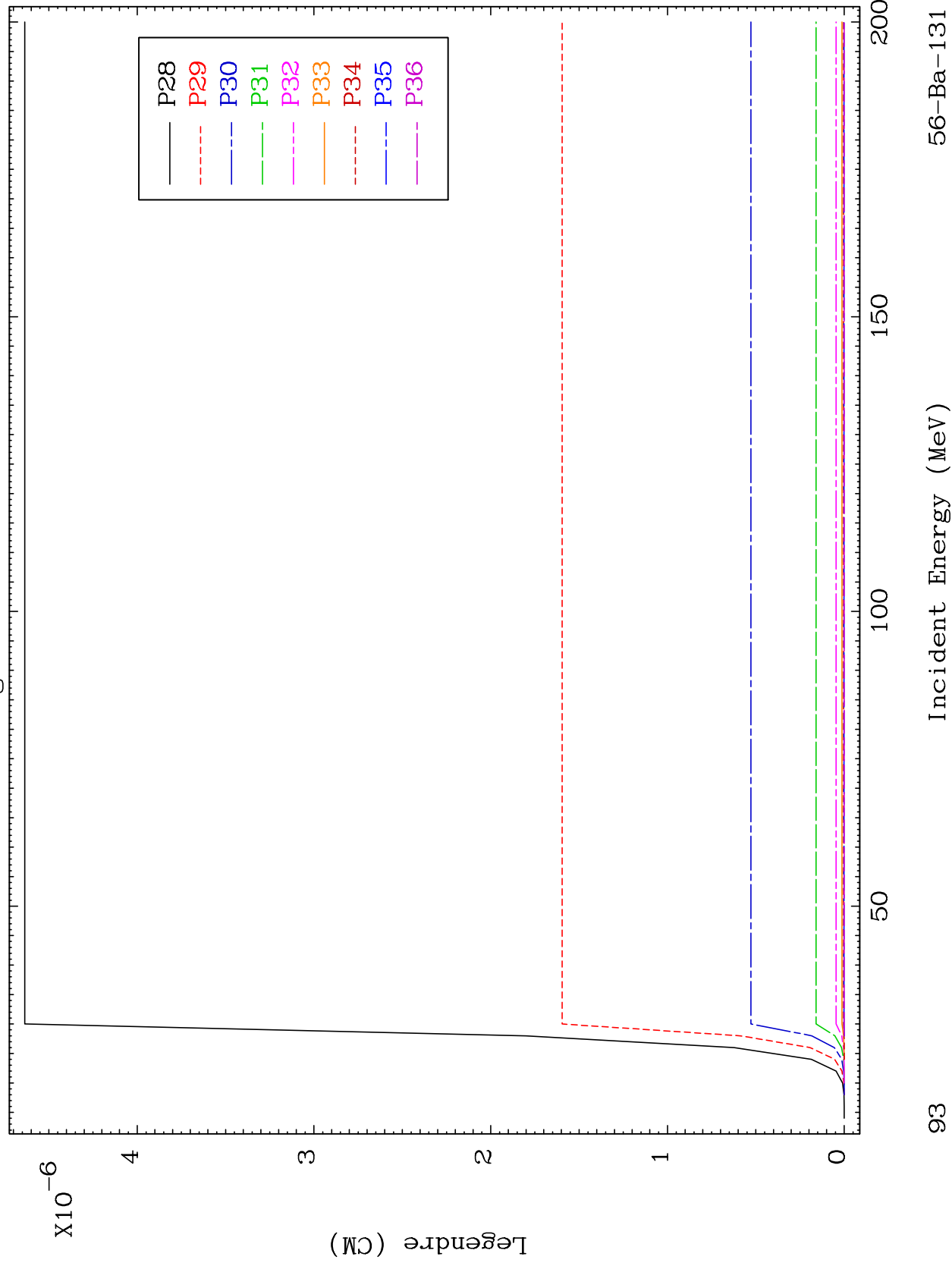
56-Ba-131



MAT 5628

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

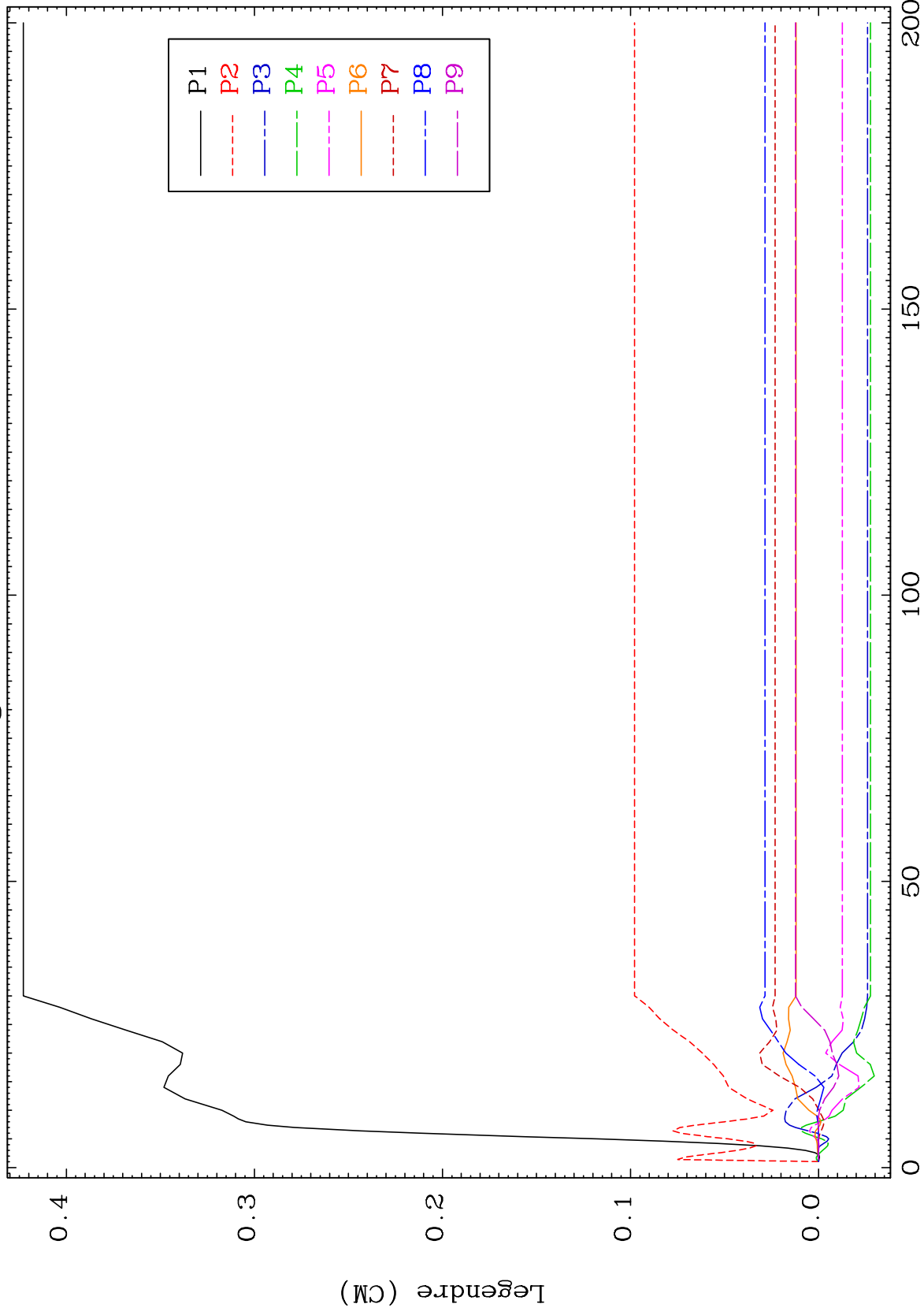
56-Ba-131



MAT 5628

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

56-Ba-131



94

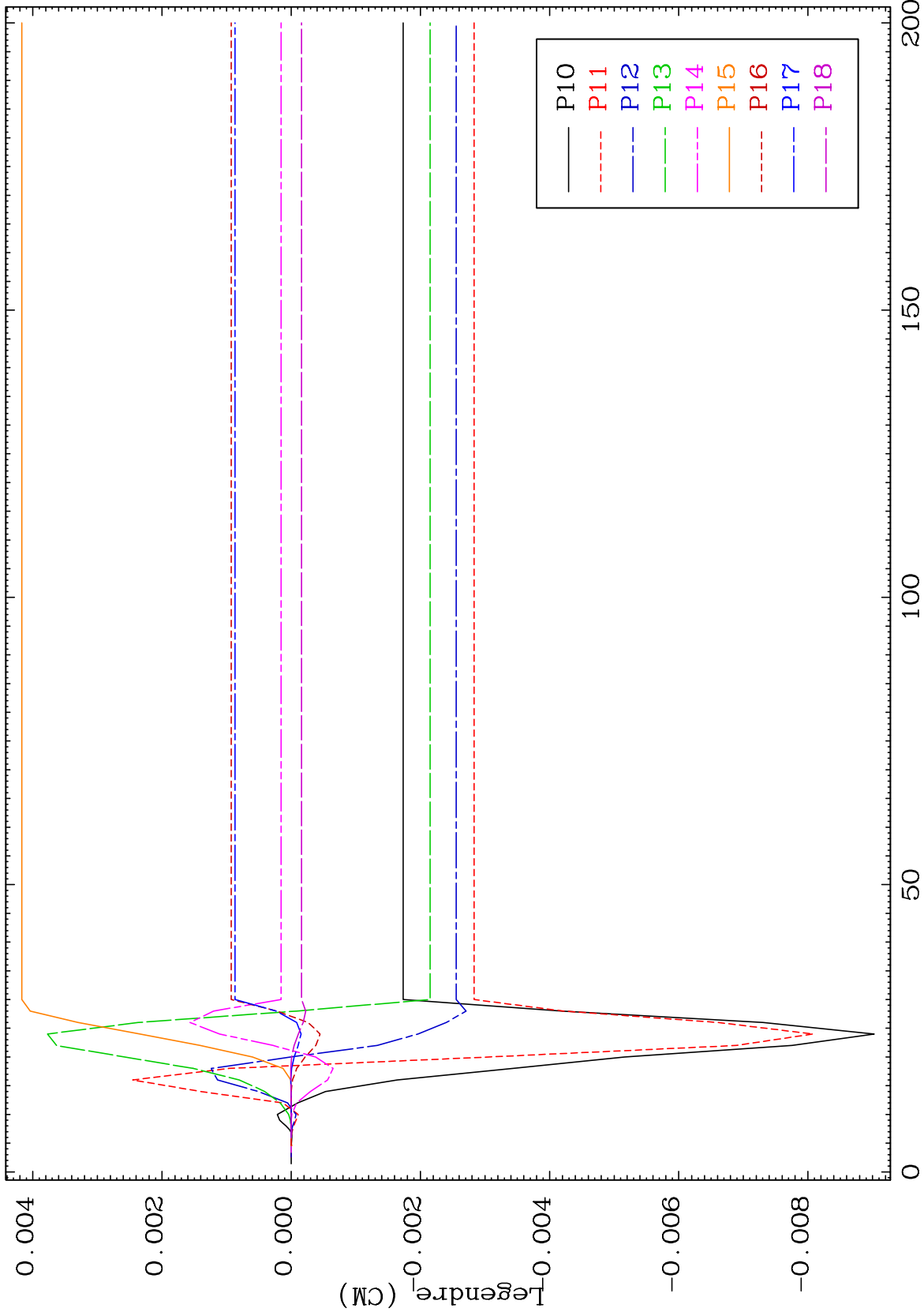
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



95

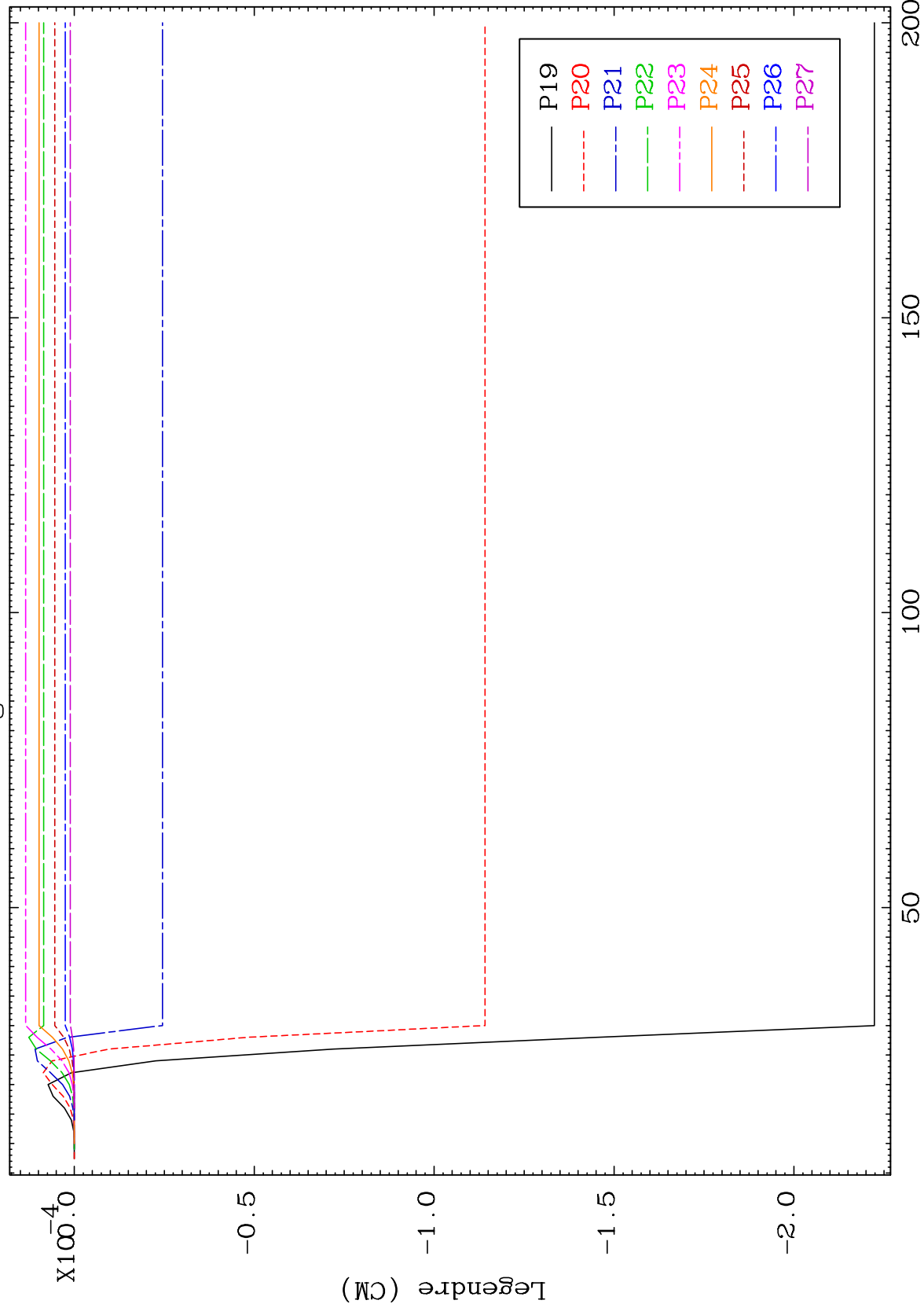
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

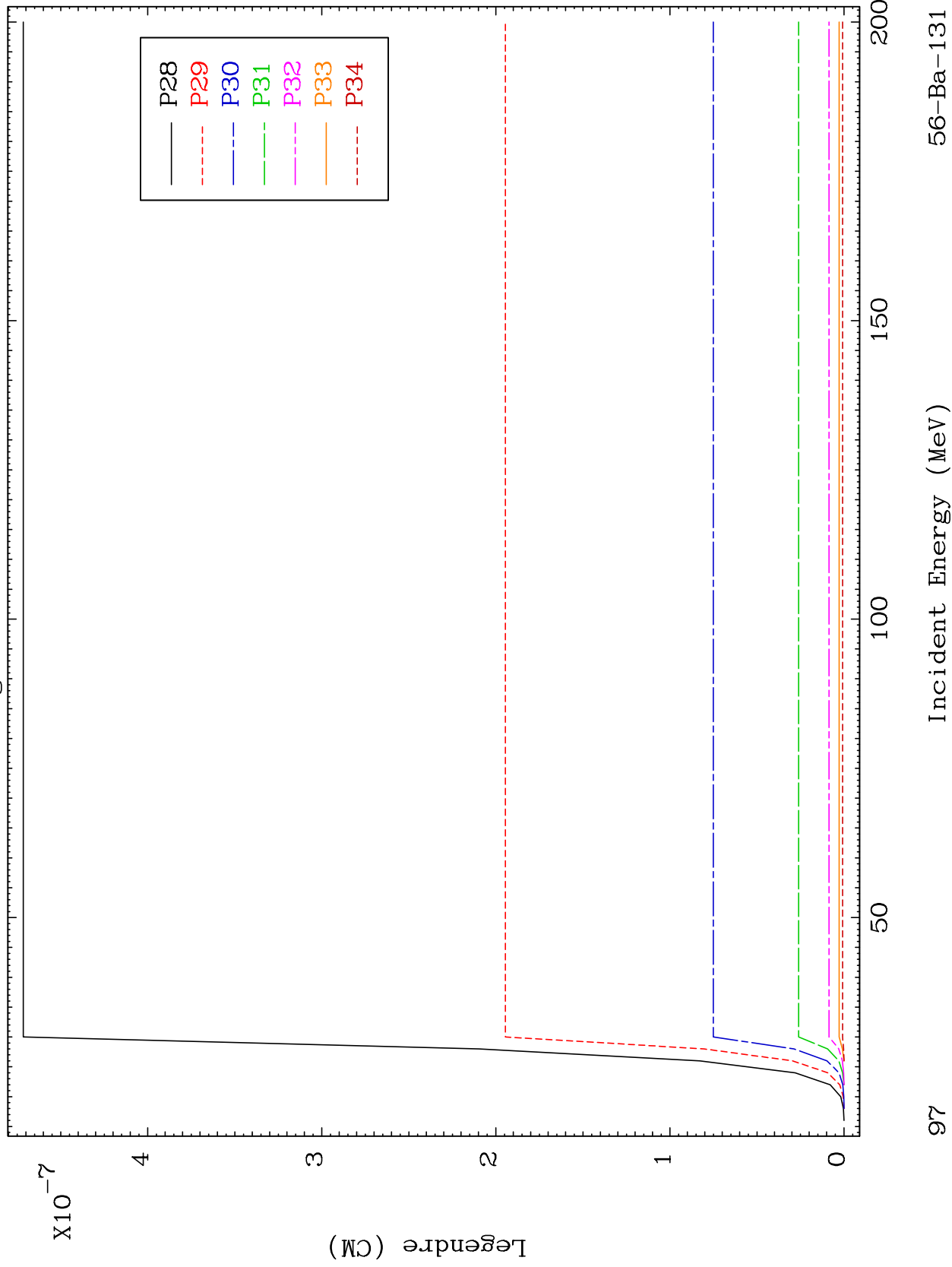
56-Ba-131

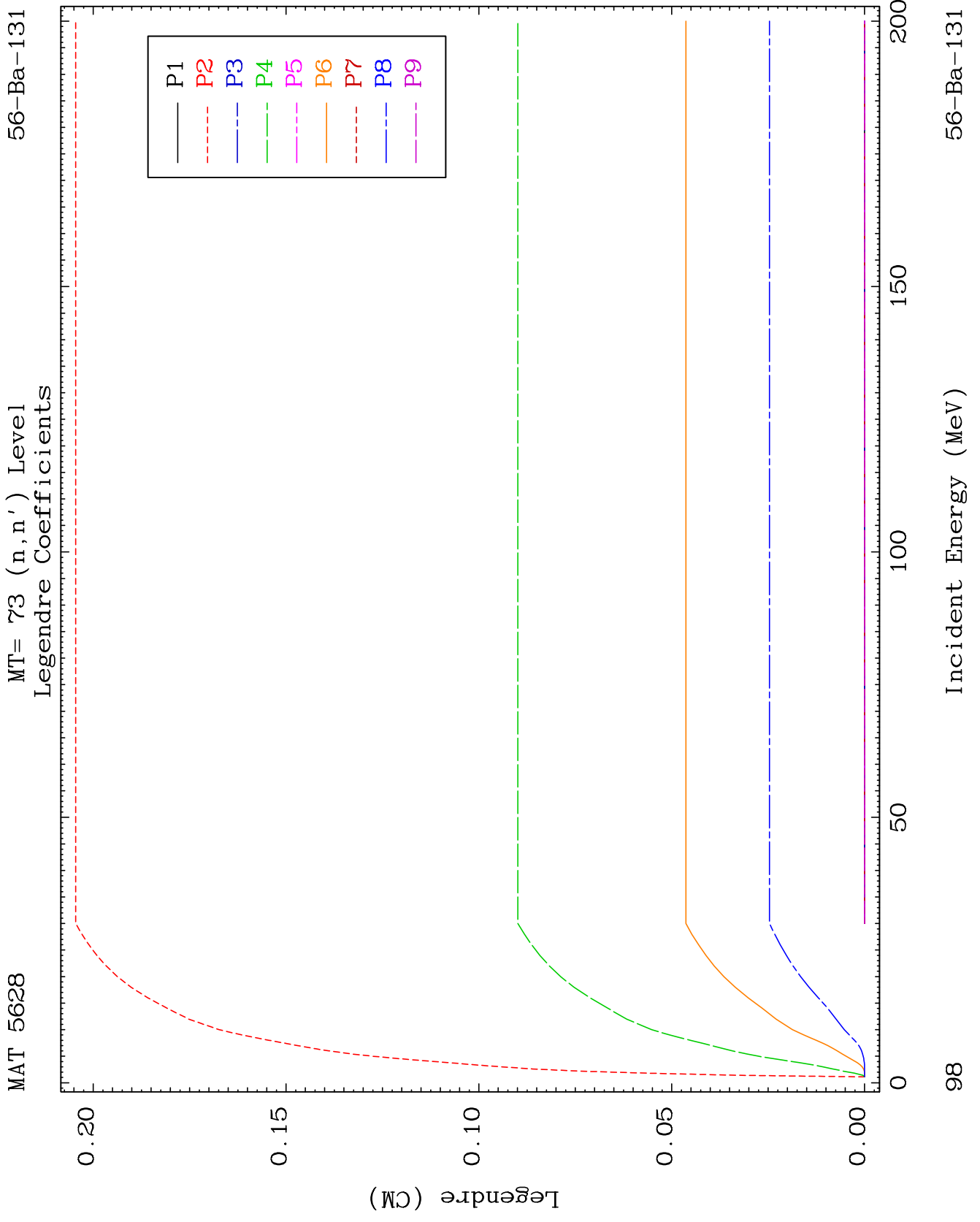


MAT 5628

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

56-Ba-131

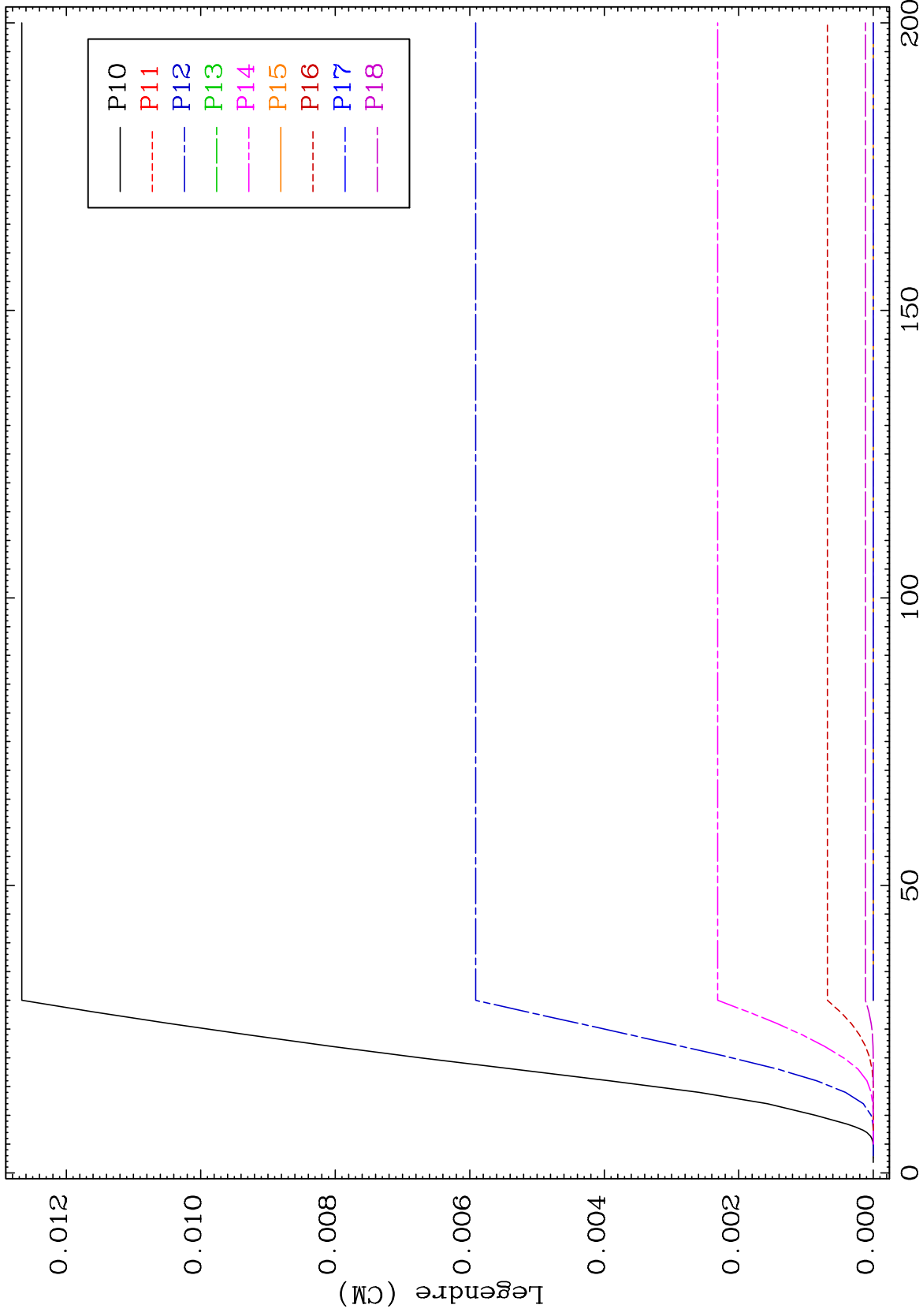




MAT 5628

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

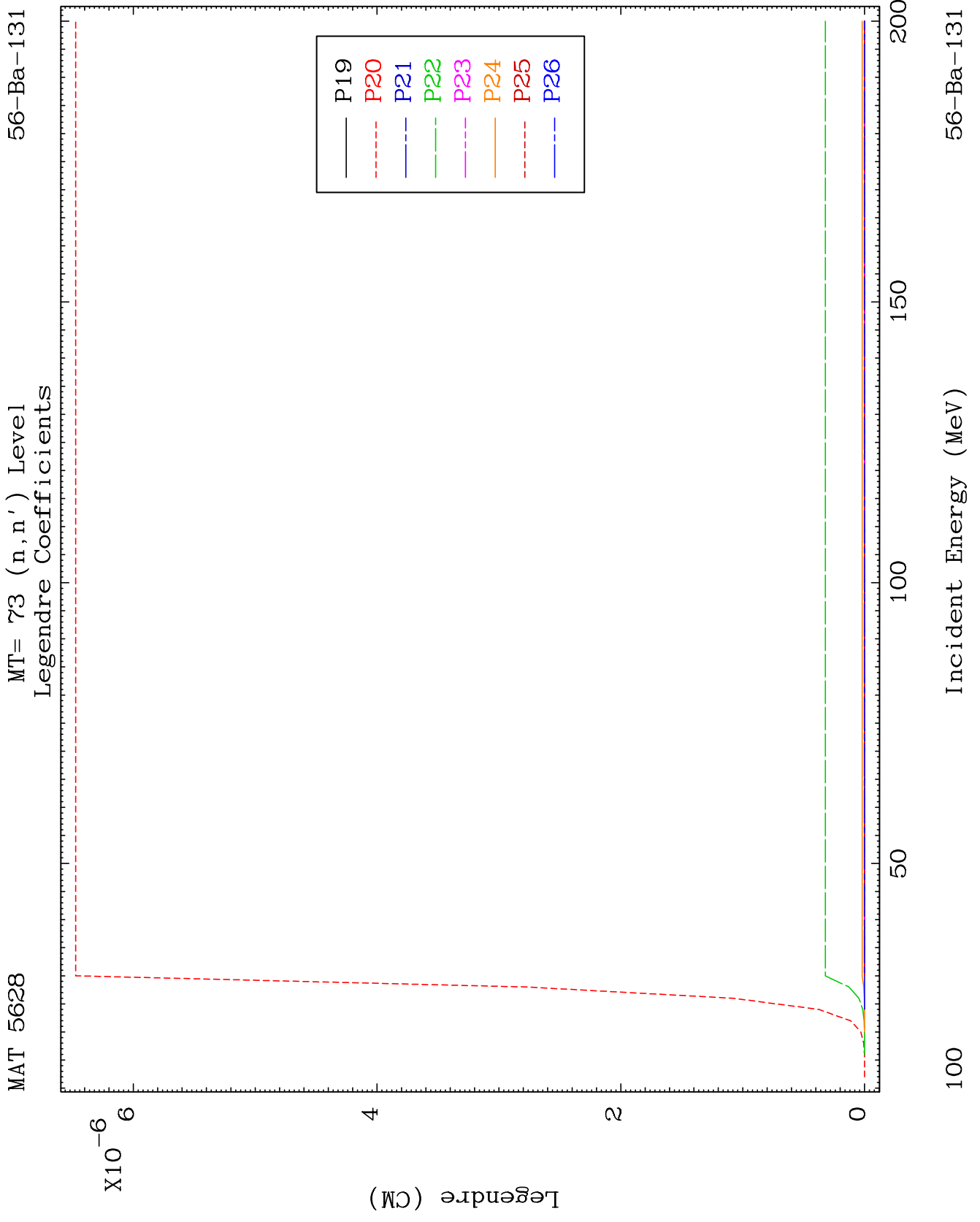
56-Ba-131



99

Incident Energy (MeV)

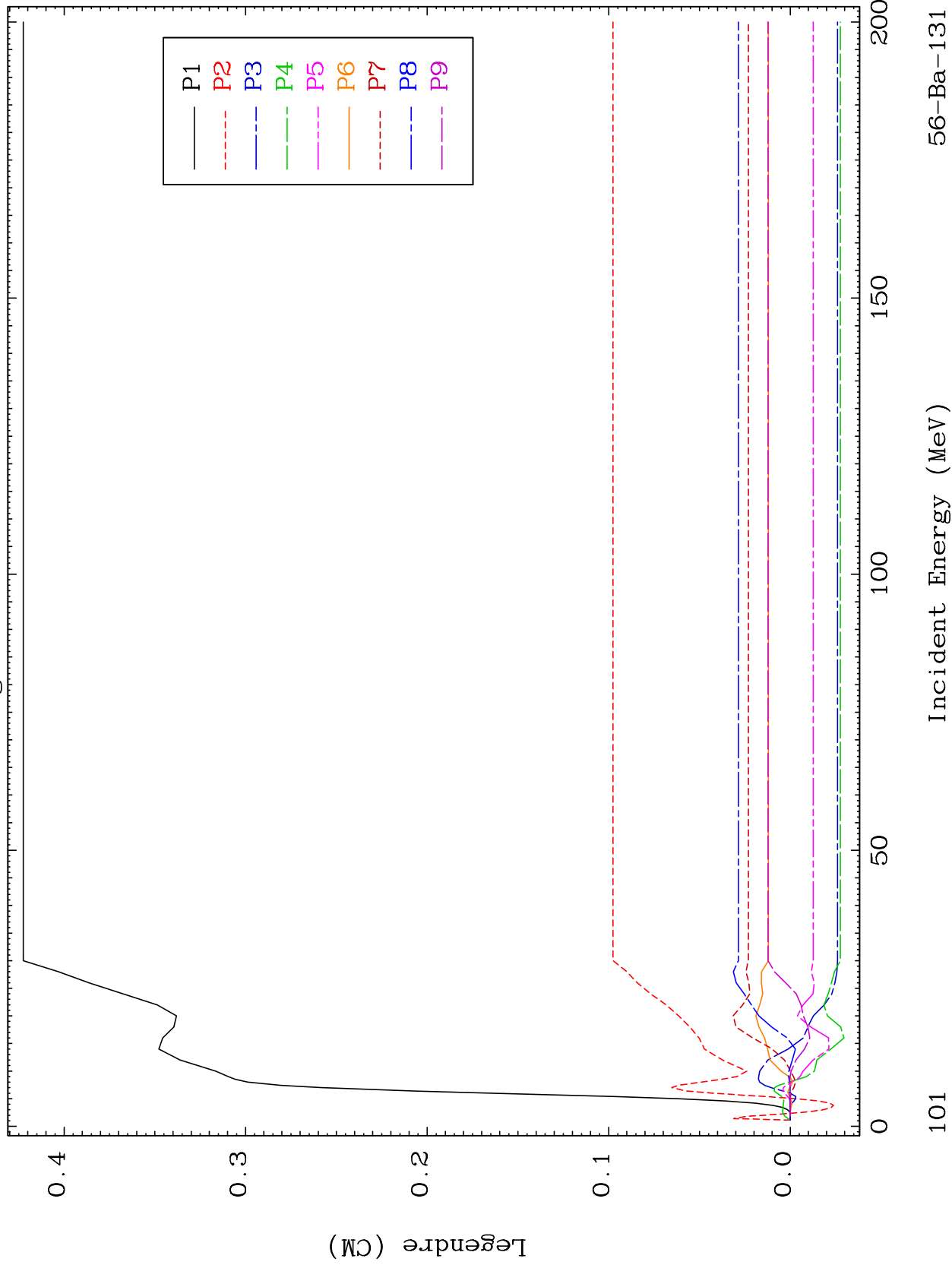
56-Ba-131



MAT 5628

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

56-Ba-131



56-Ba-131

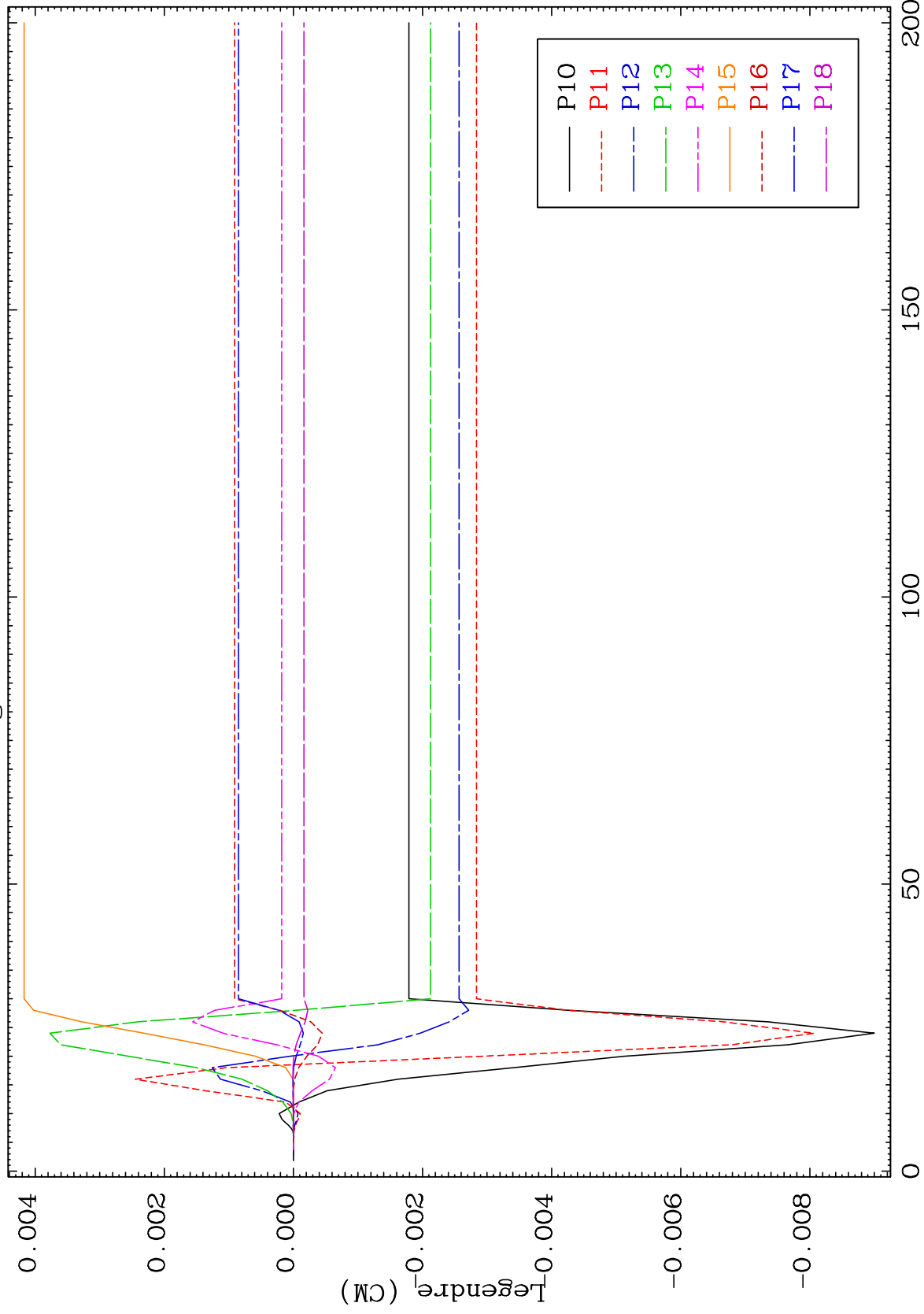
Incident Energy (MeV)

101

MAT 5628

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

56-Ba-131



102

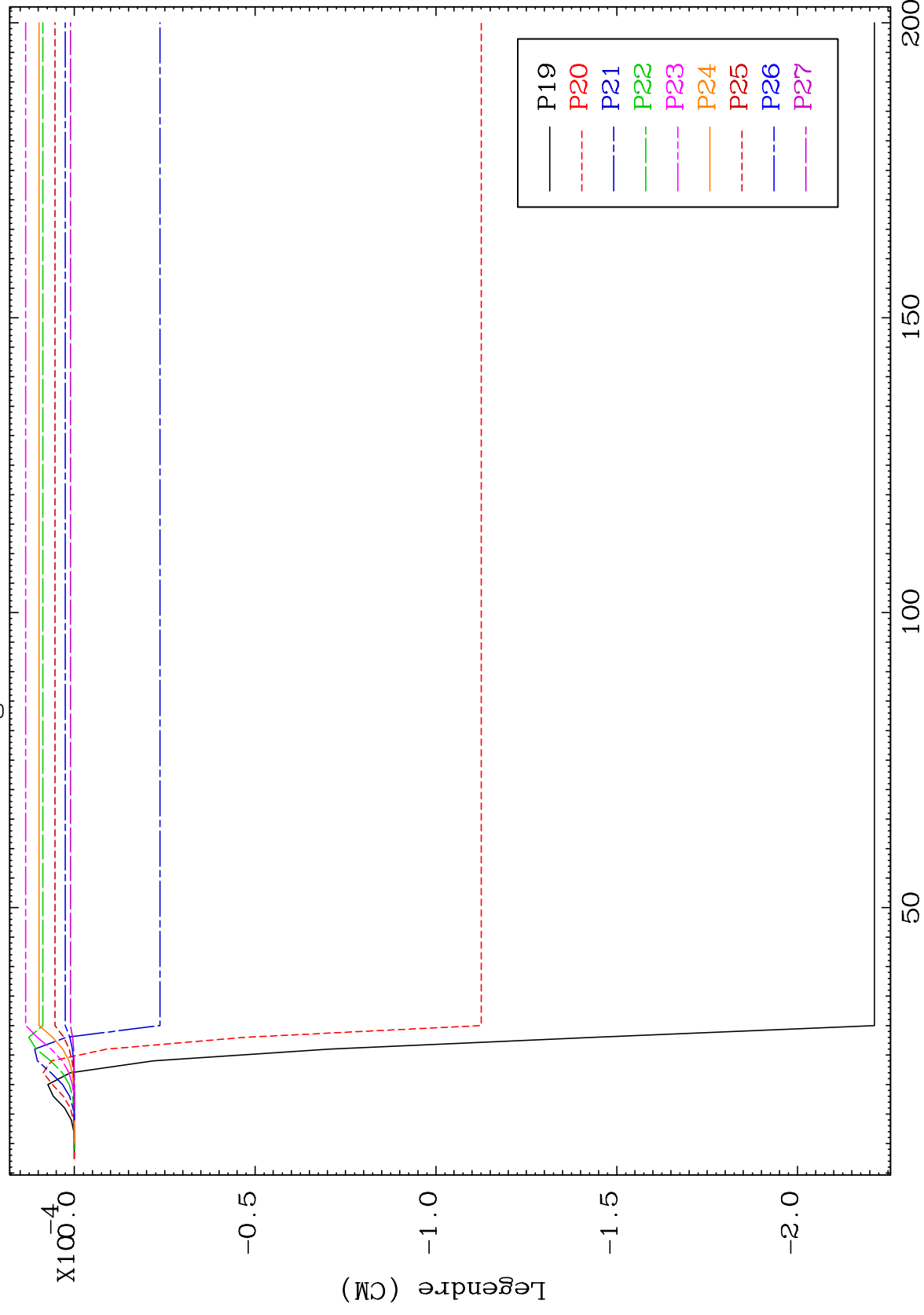
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



103

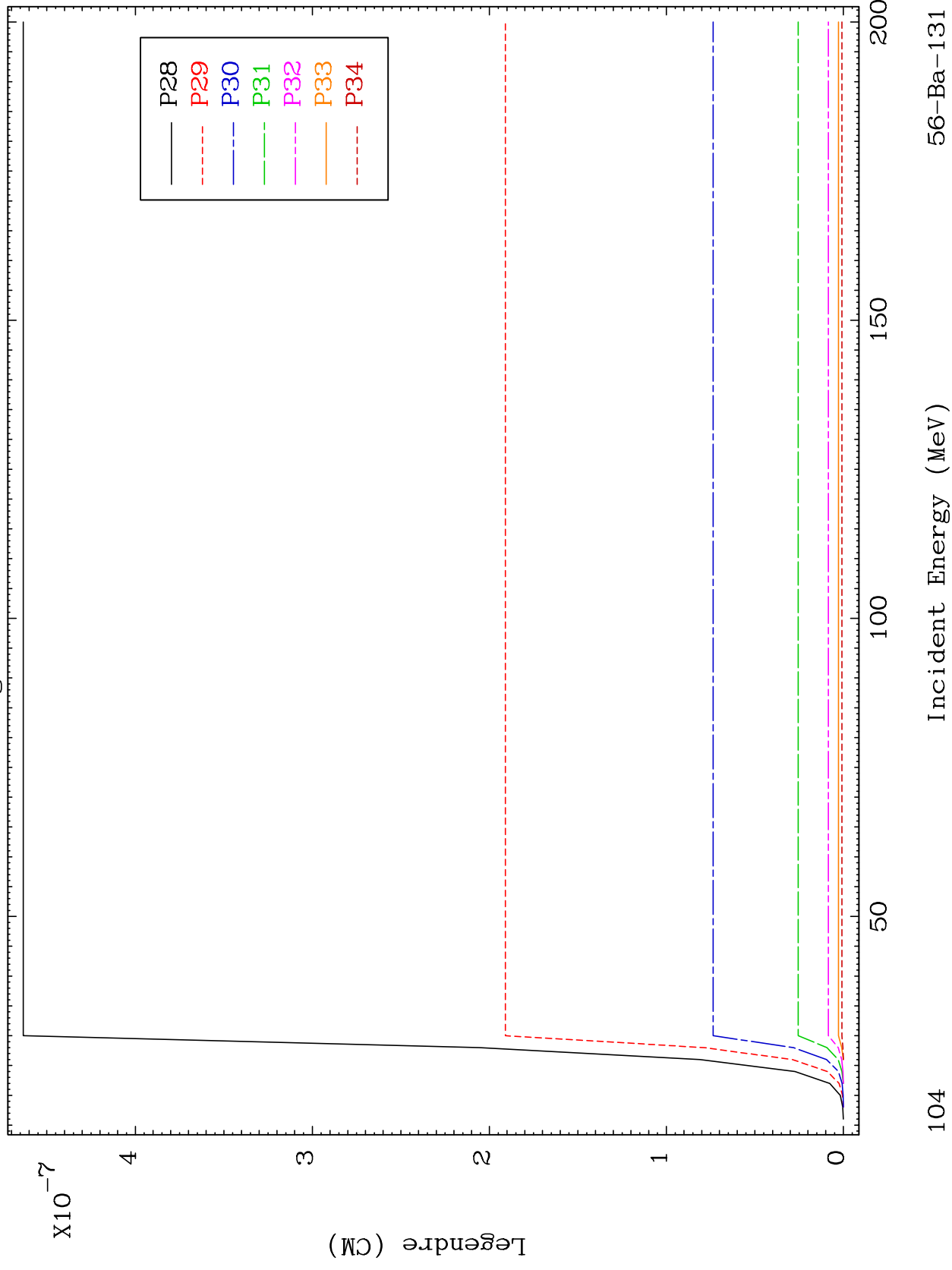
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

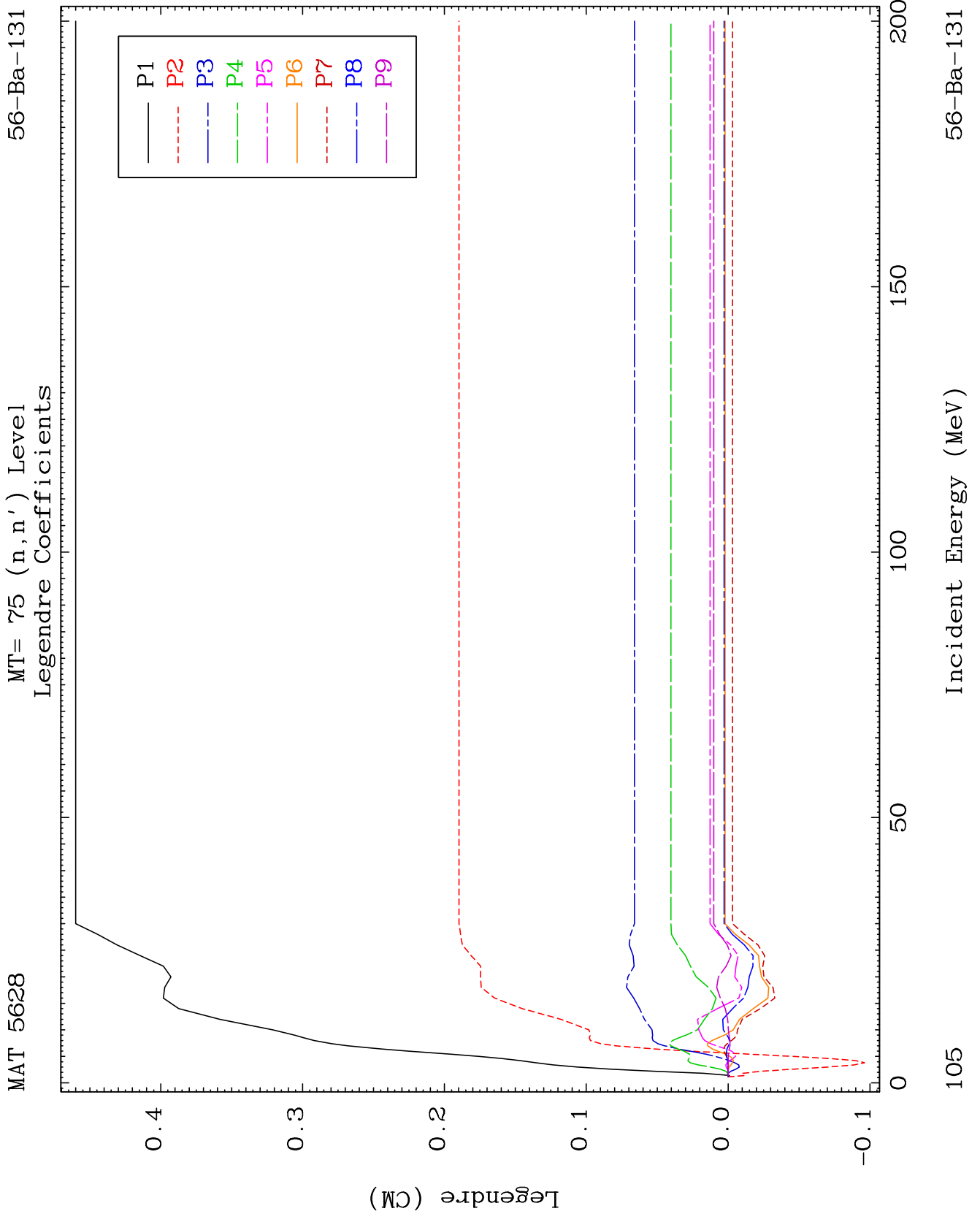
56-Ba-131

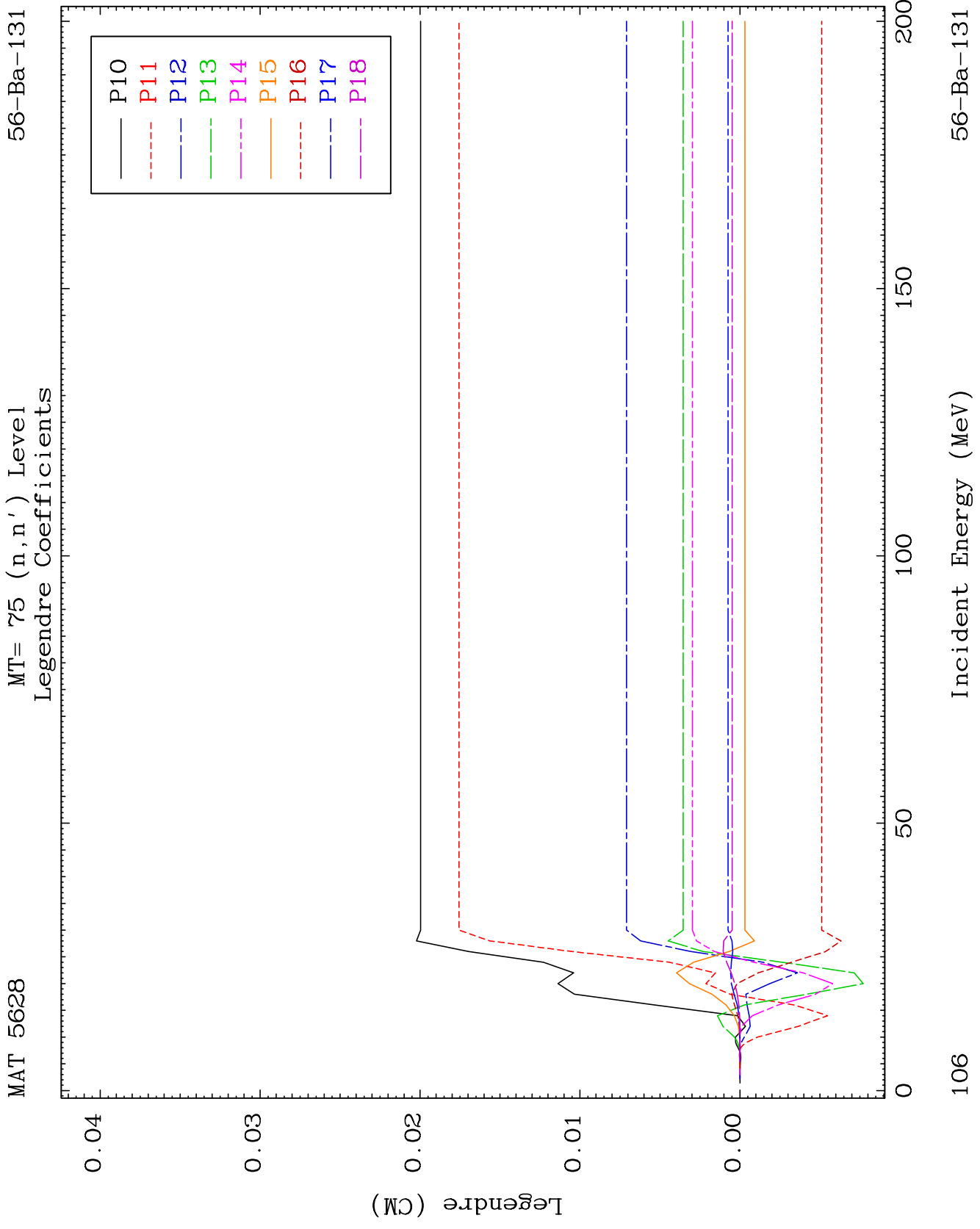


56-Ba-131

Incident Energy (MeV)

104

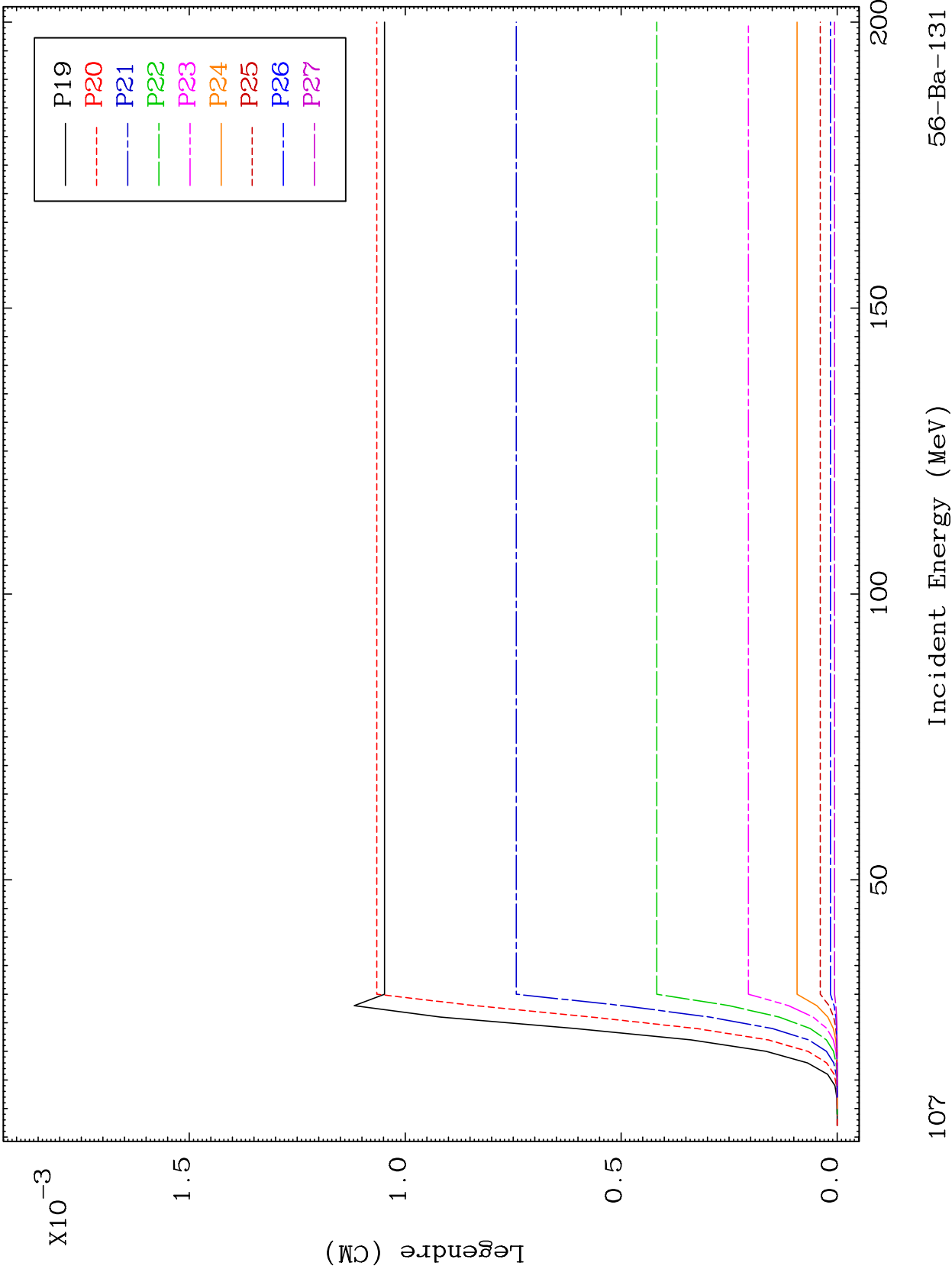




MAT 5628

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

56-Ba-131



107

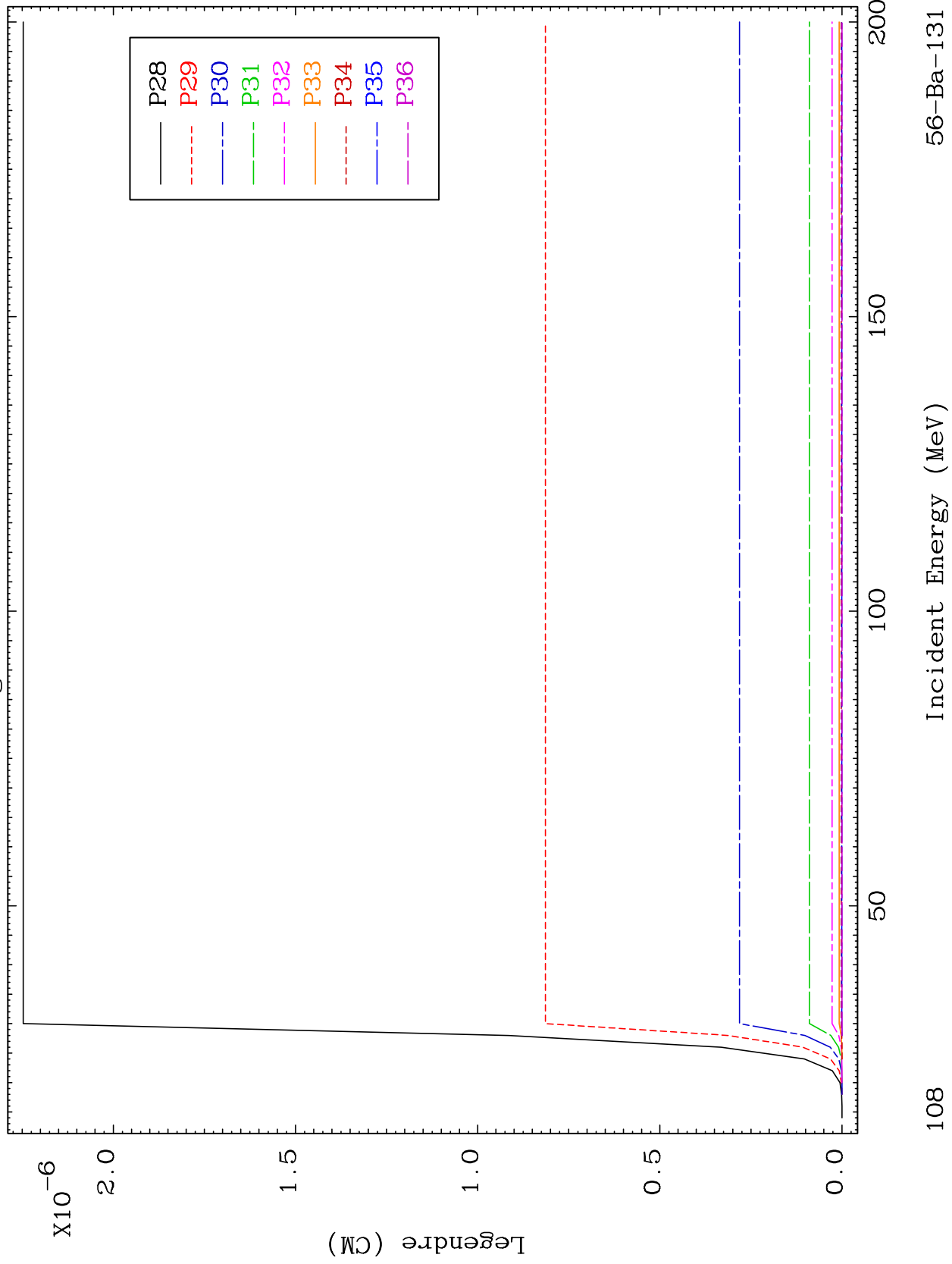
Incident Energy (MeV)

56-Ba-131

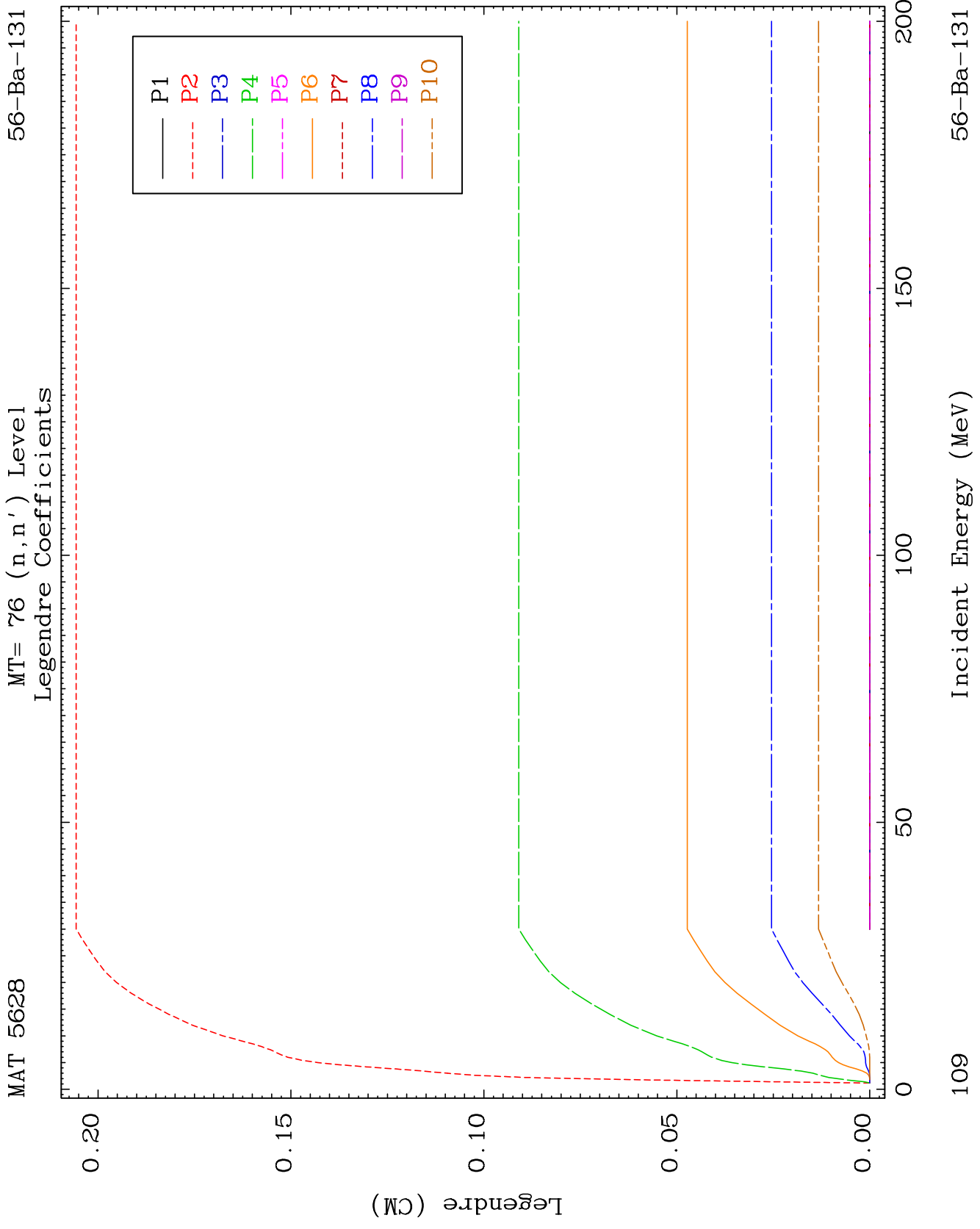
MAT 5628

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

56-Ba-131



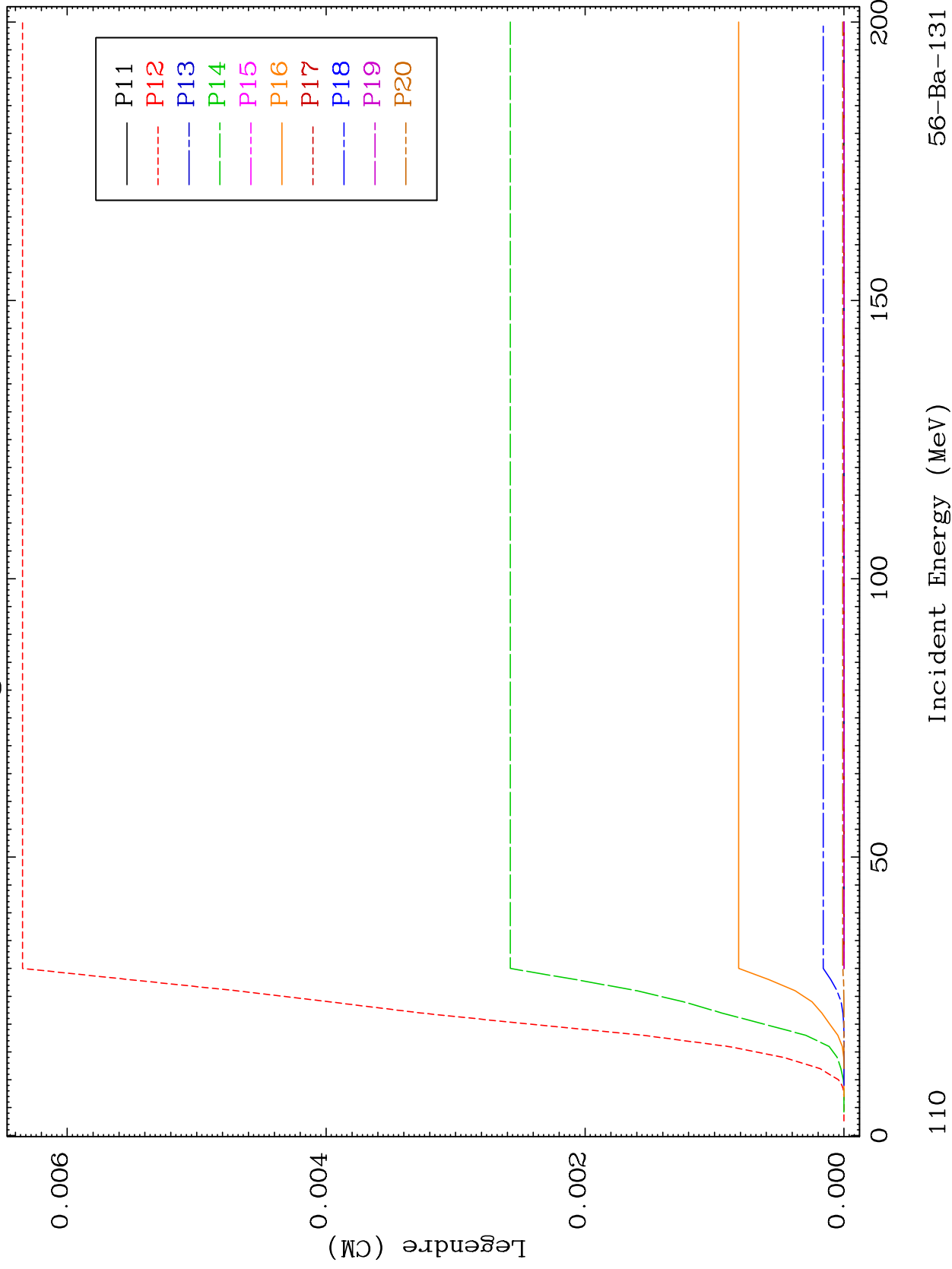
108

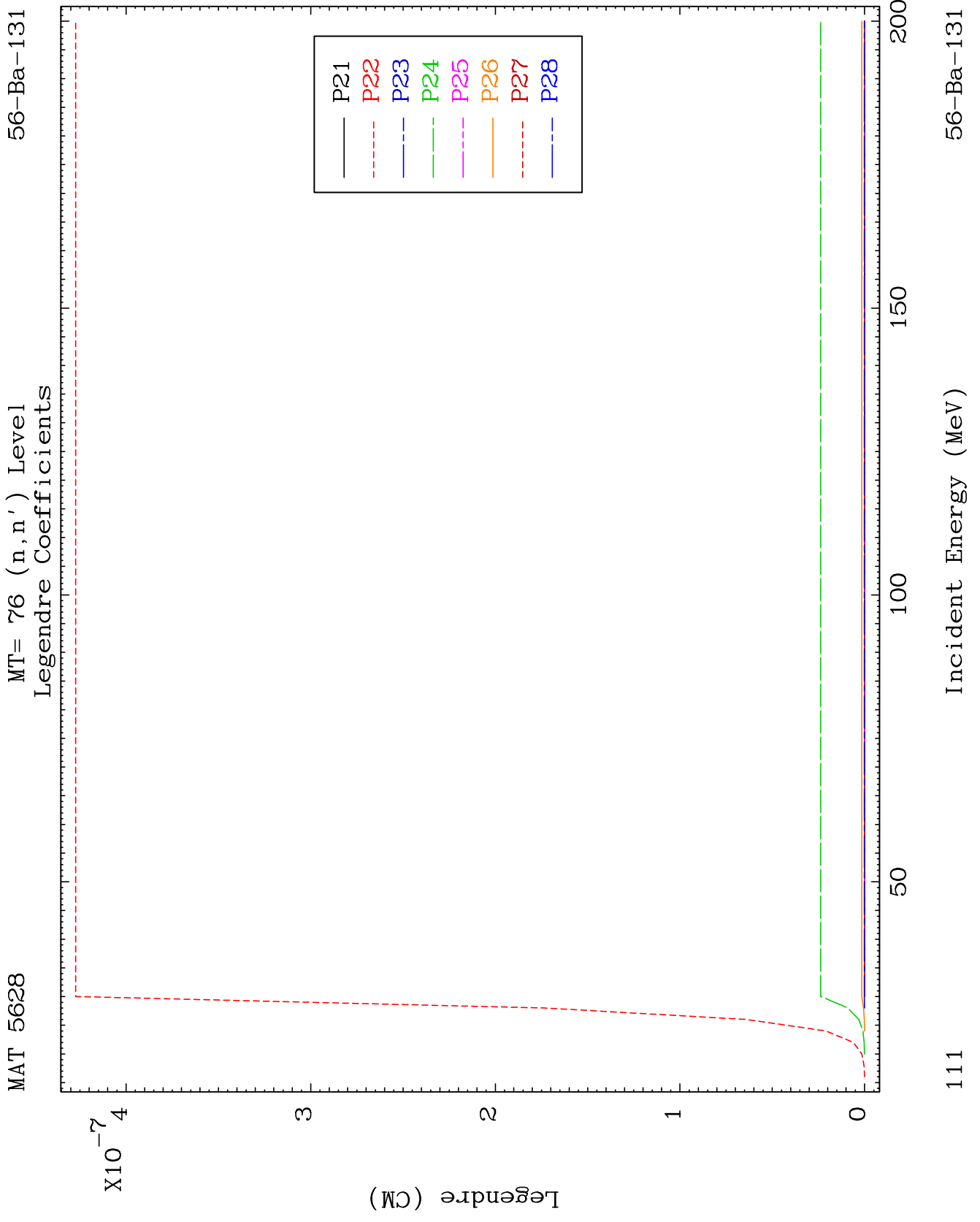


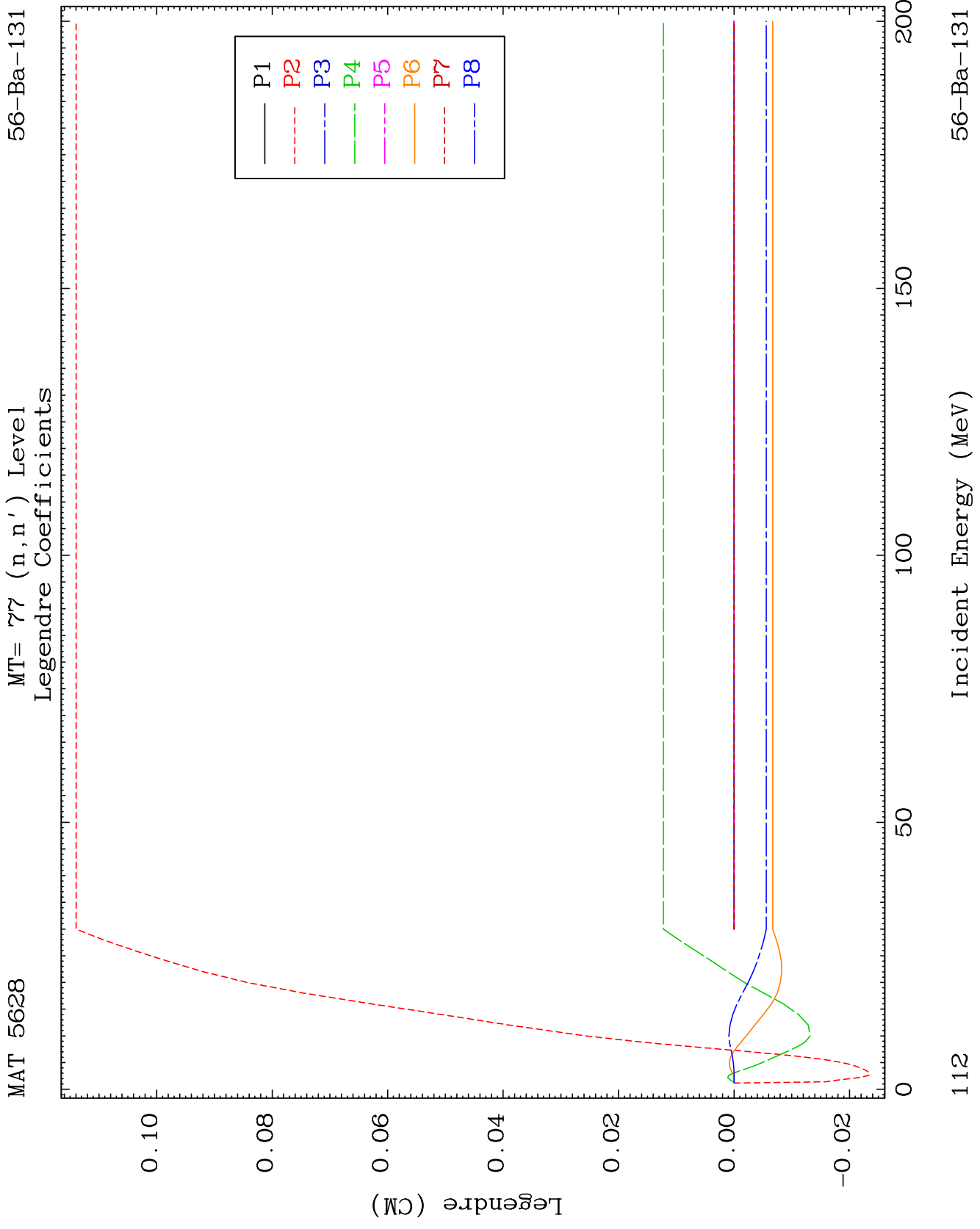
MAT 5628

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

56-Ba-131



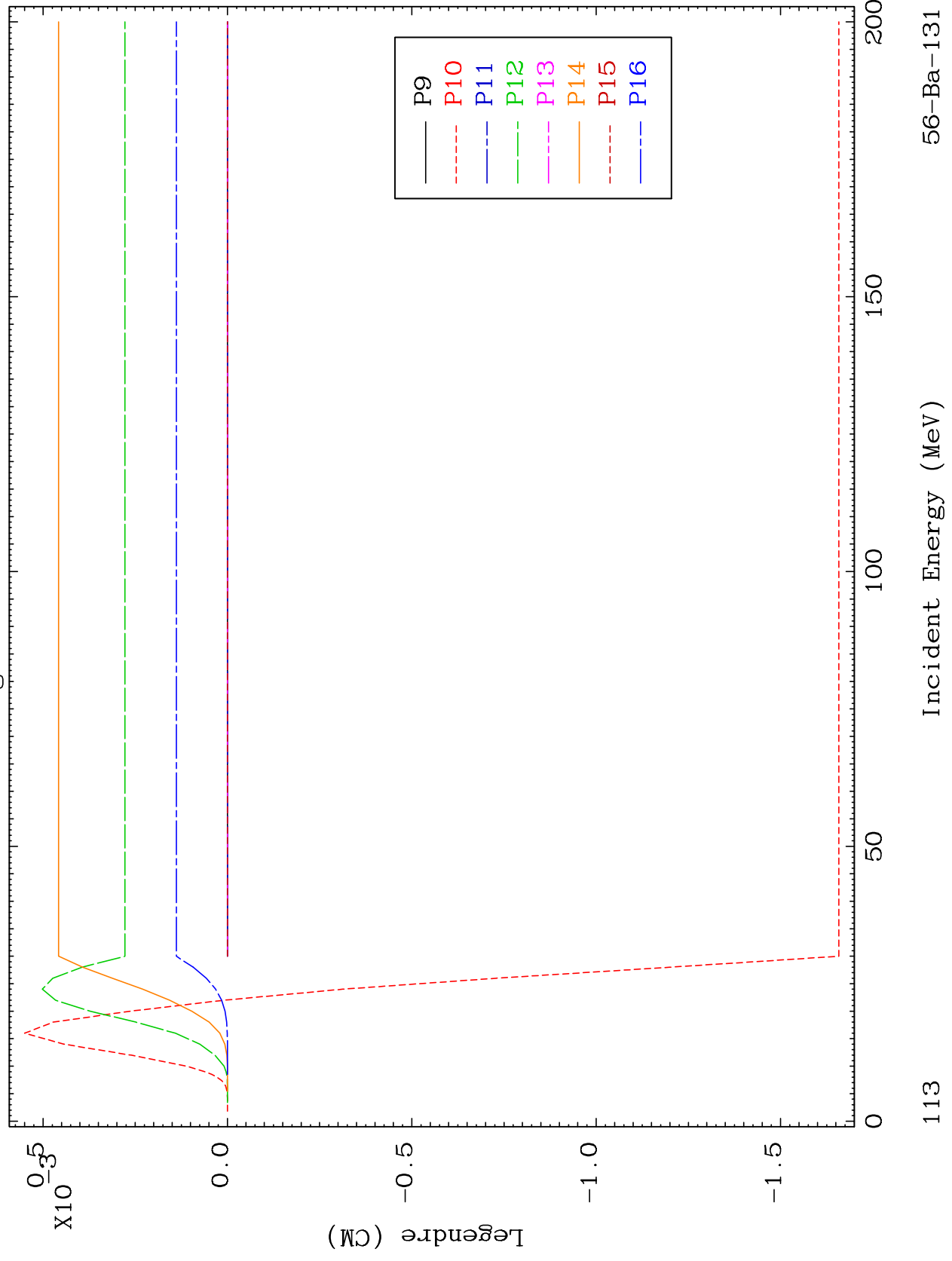




MAT 5628

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

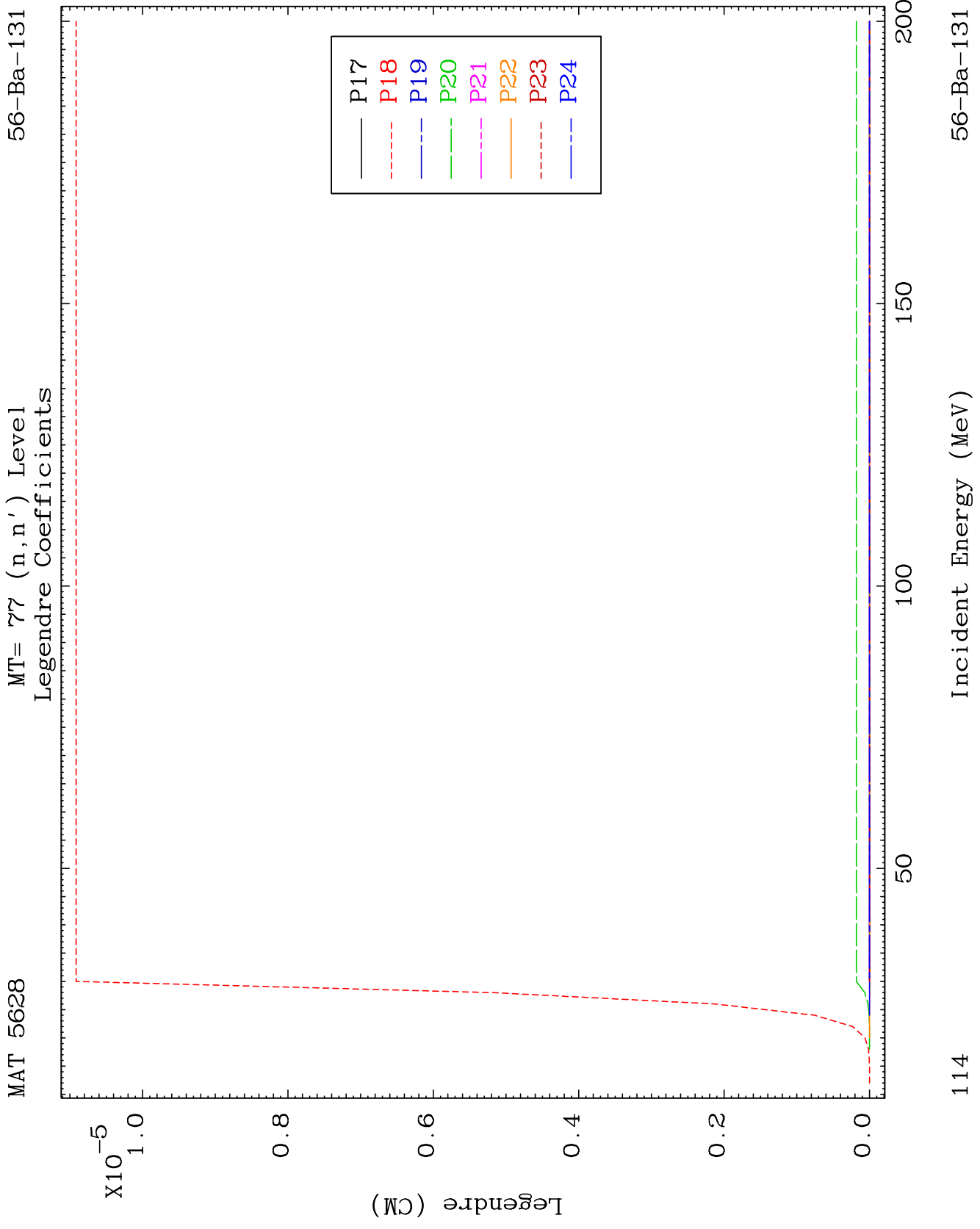
56-Ba-131

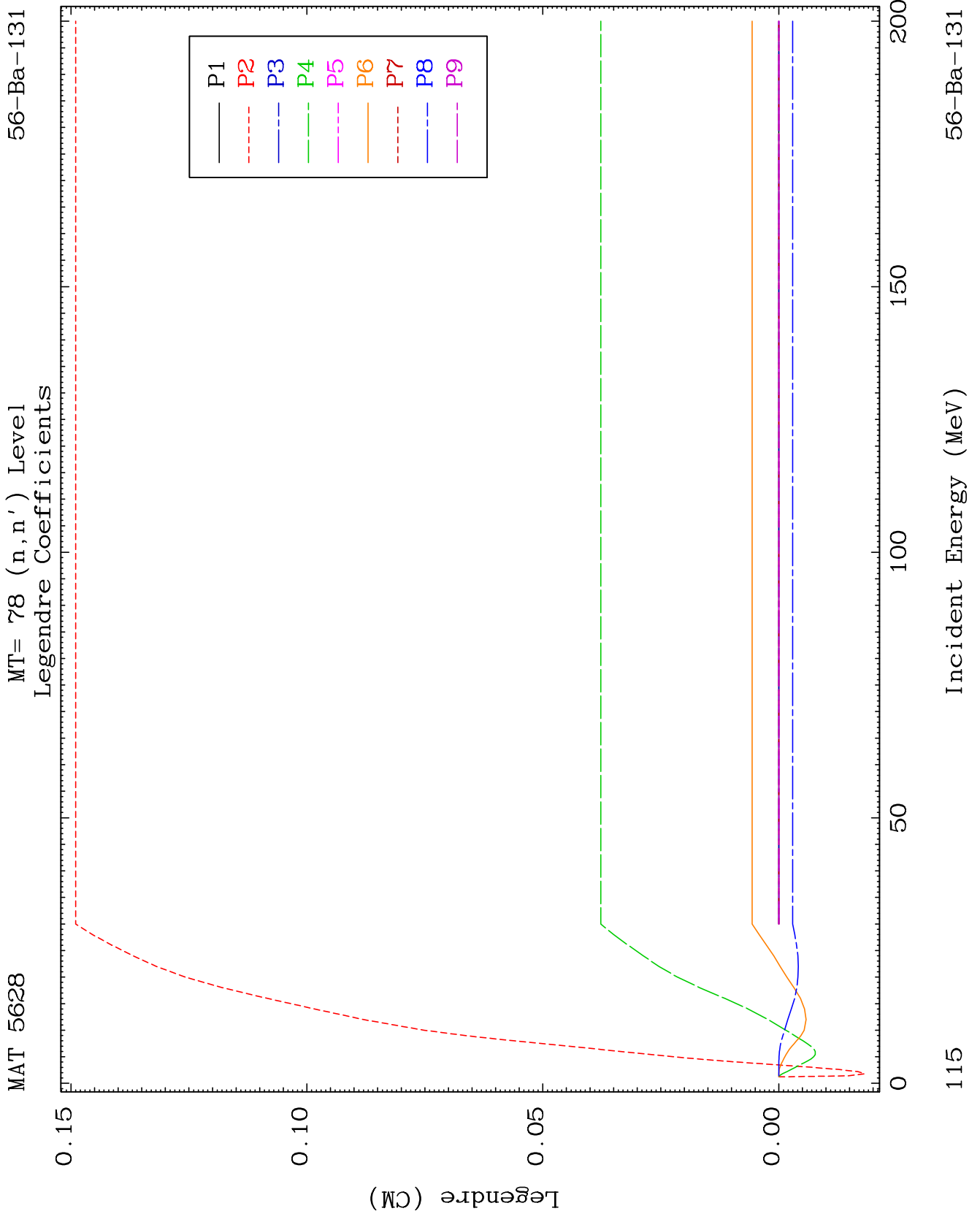


56-Ba-131

Incident Energy (MeV)

113

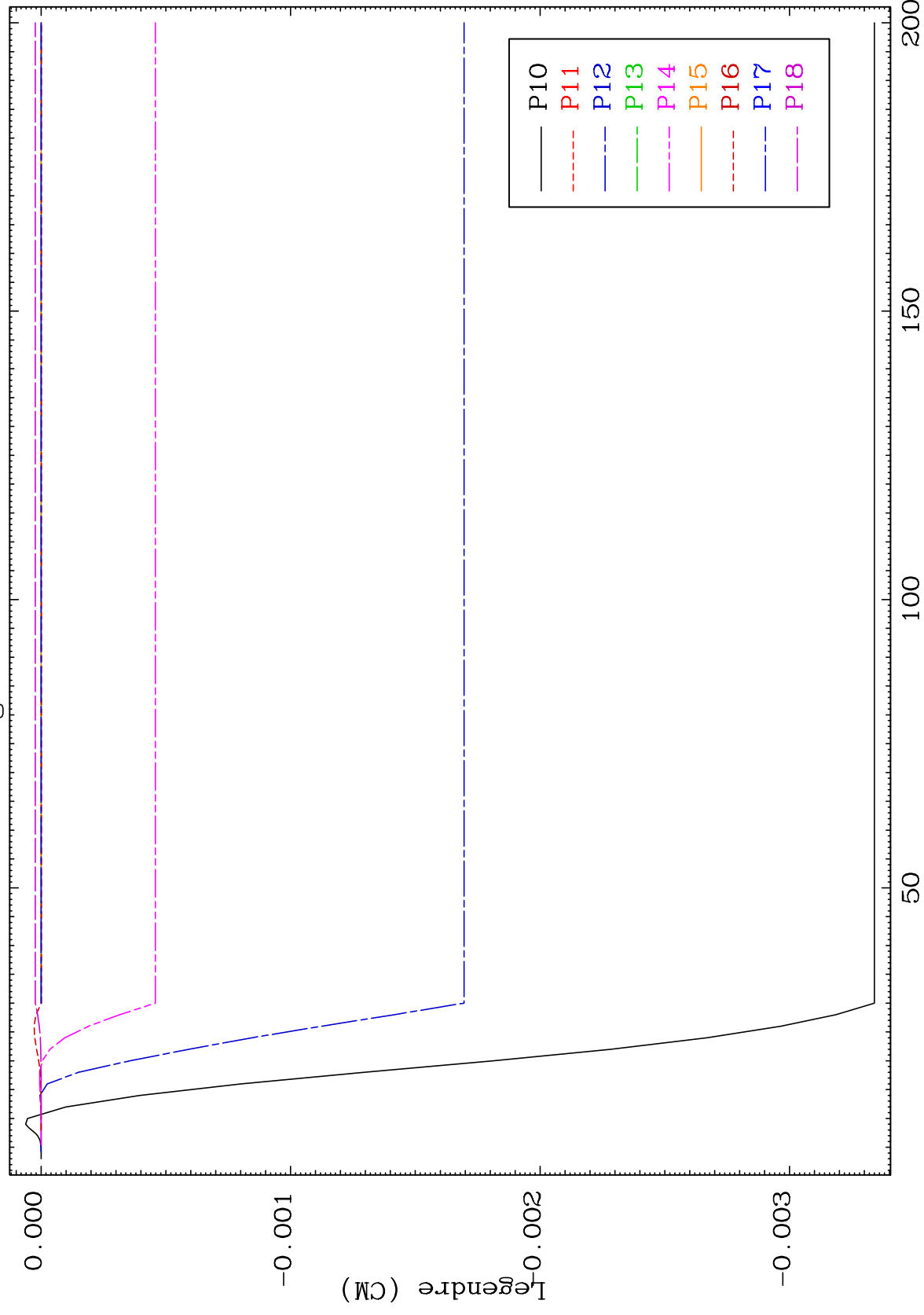




MAT 5628

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

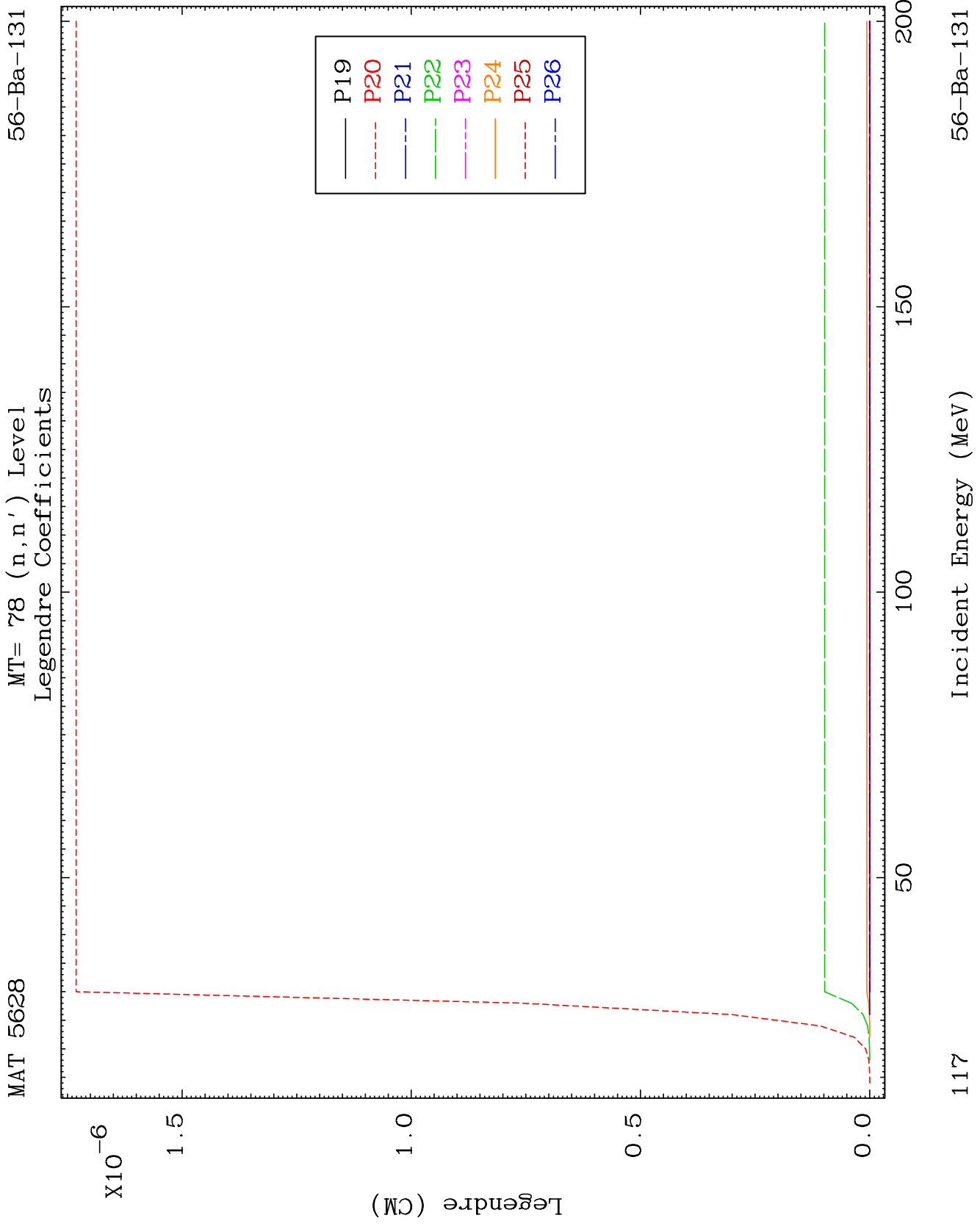
56-Ba-131



116

Incident Energy (MeV)

56-Ba-131

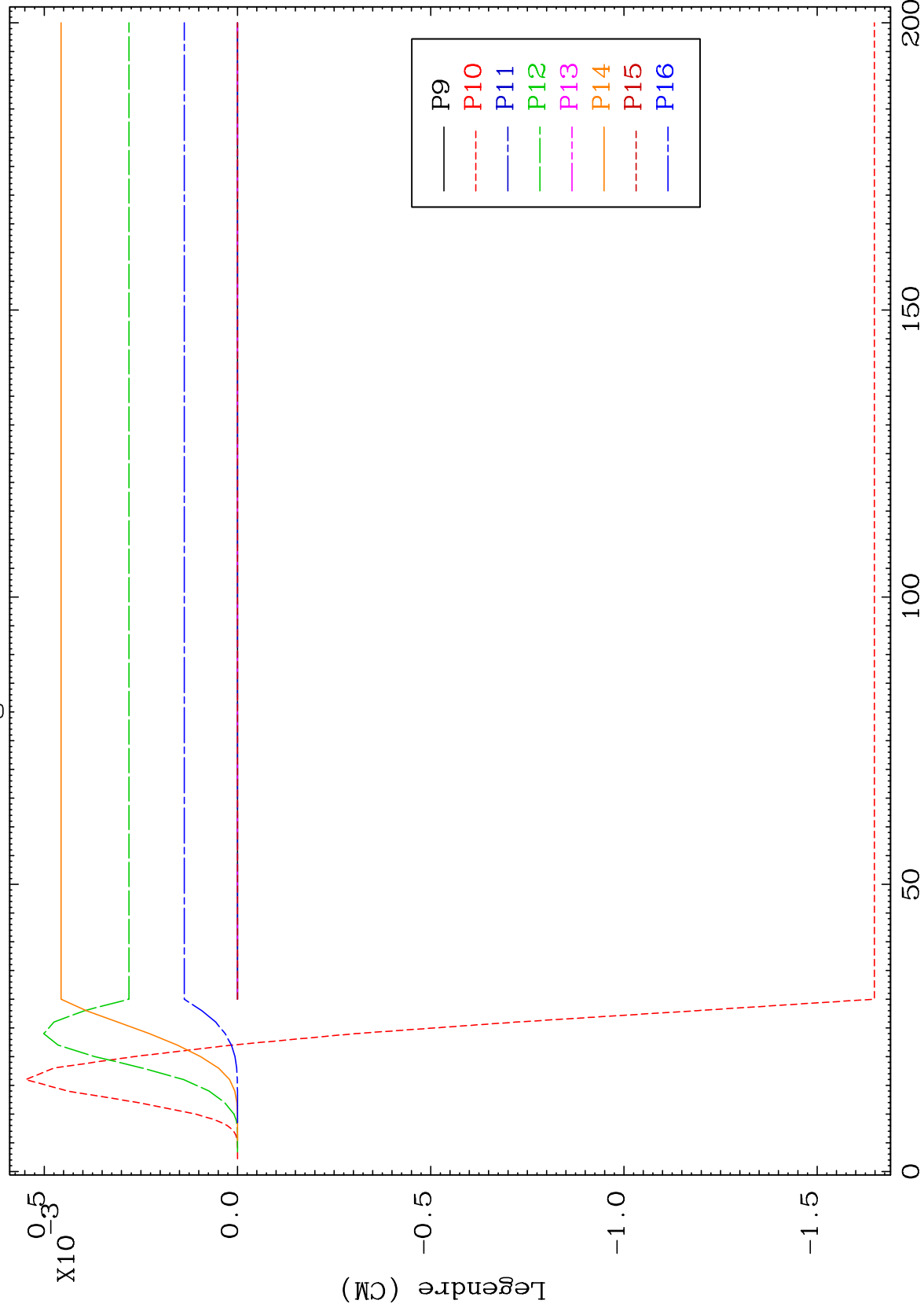




MAT 5628

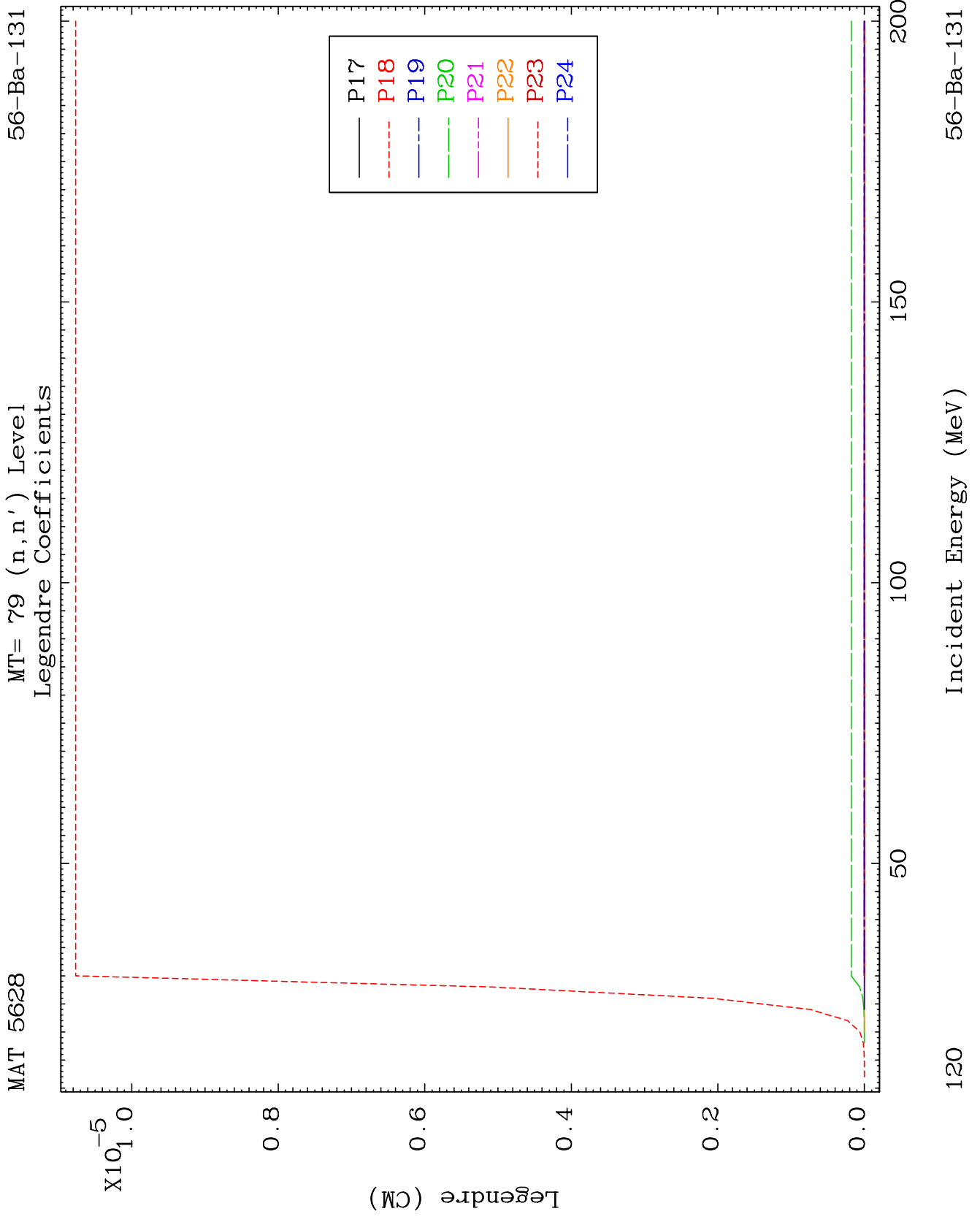
MT= 79 (n,n') Level  
Legendre Coefficients

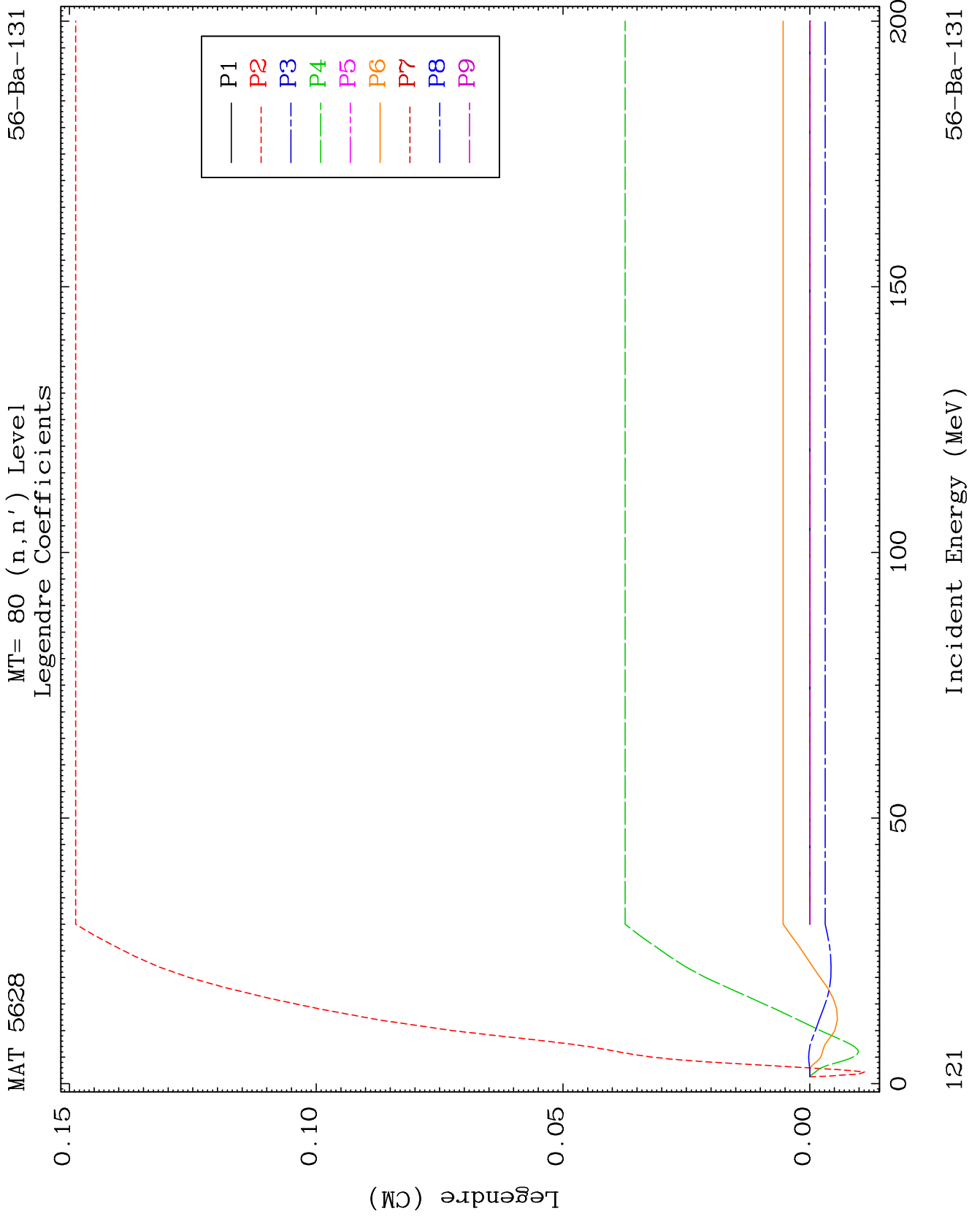
56-Ba-131

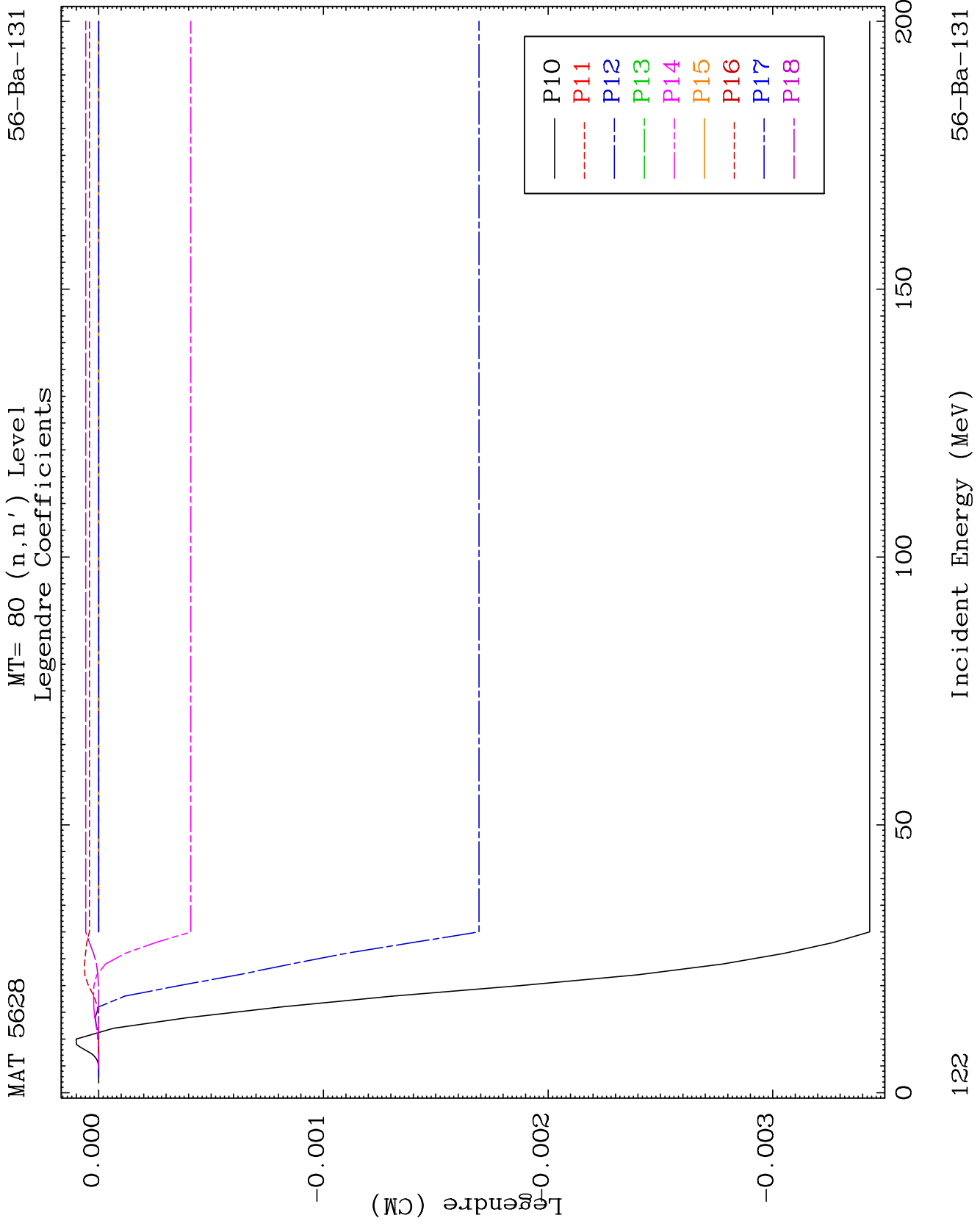


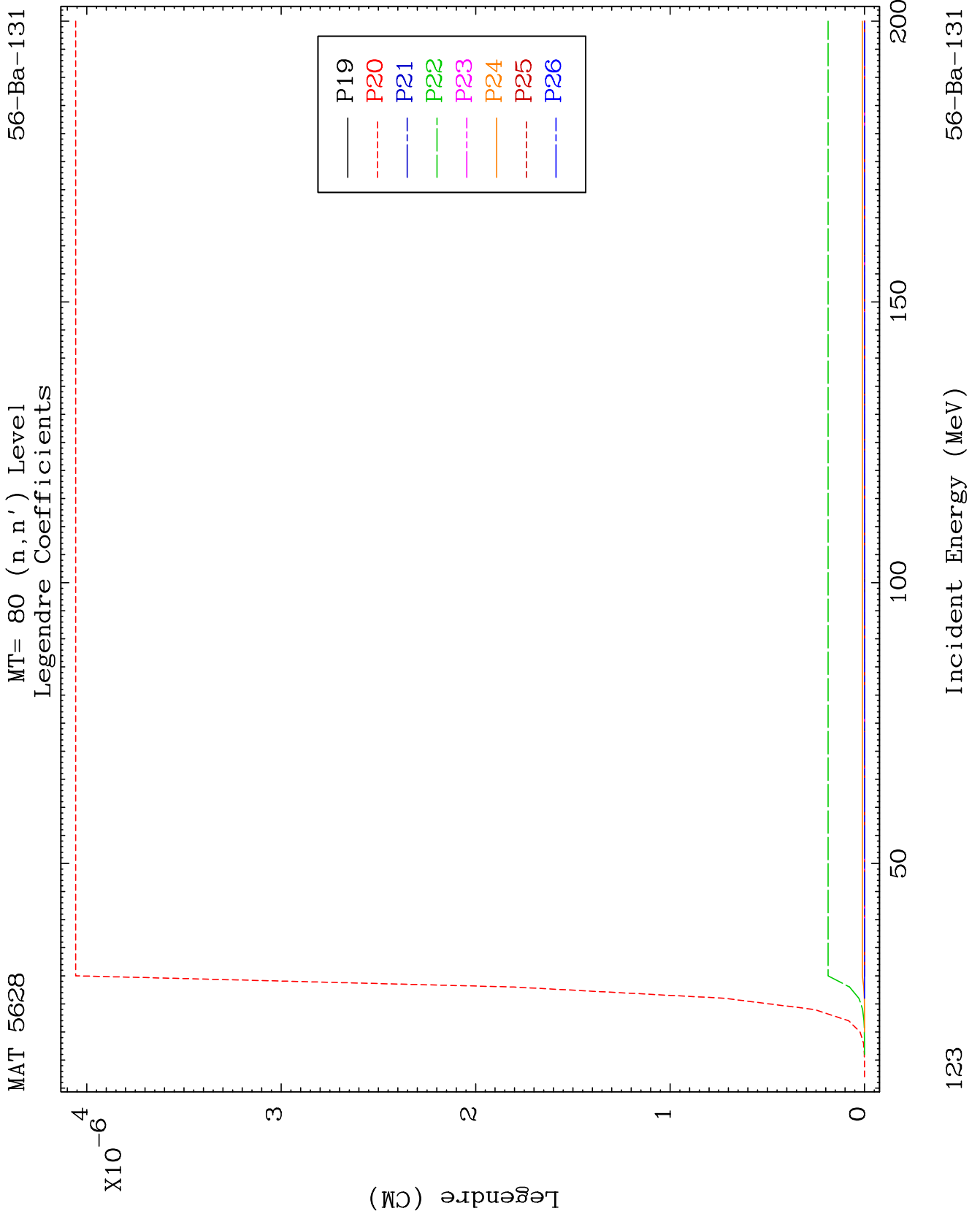
119

56-Ba-131





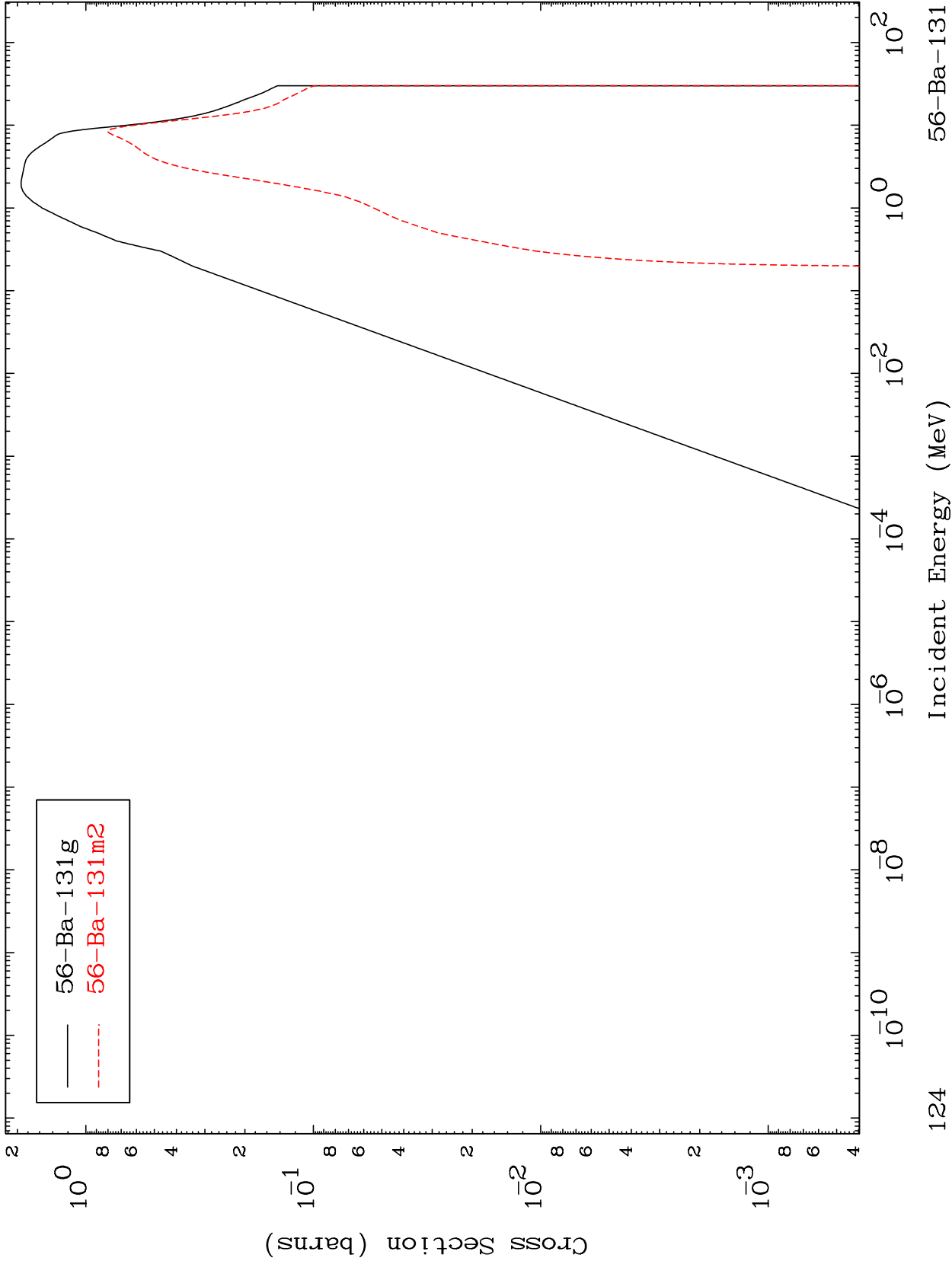




MAT 5628

Inelastic  
Radionuclide Production Cross Section

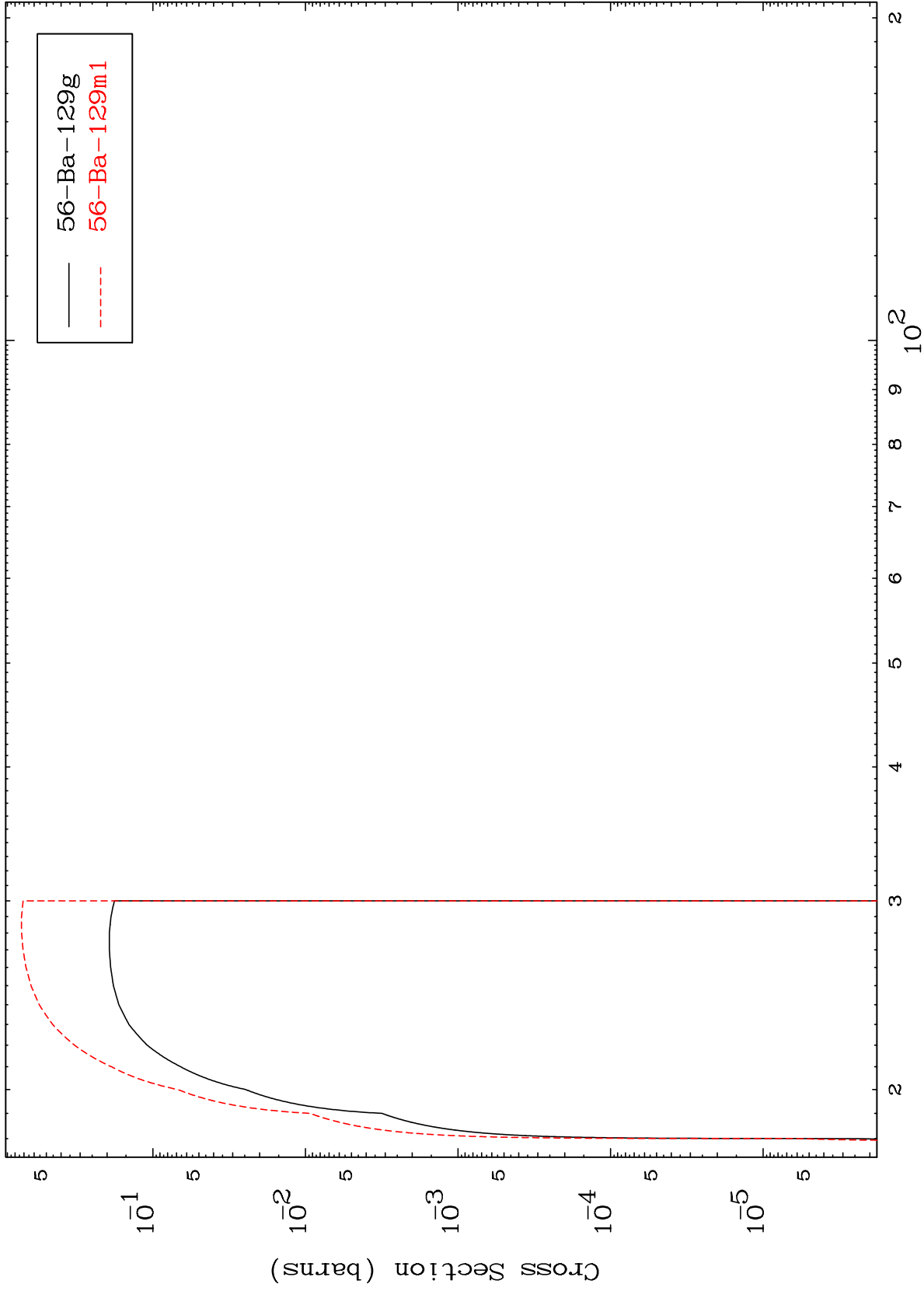
56-Ba-131



MAT 5628

56-Ba-131

(n,3n)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

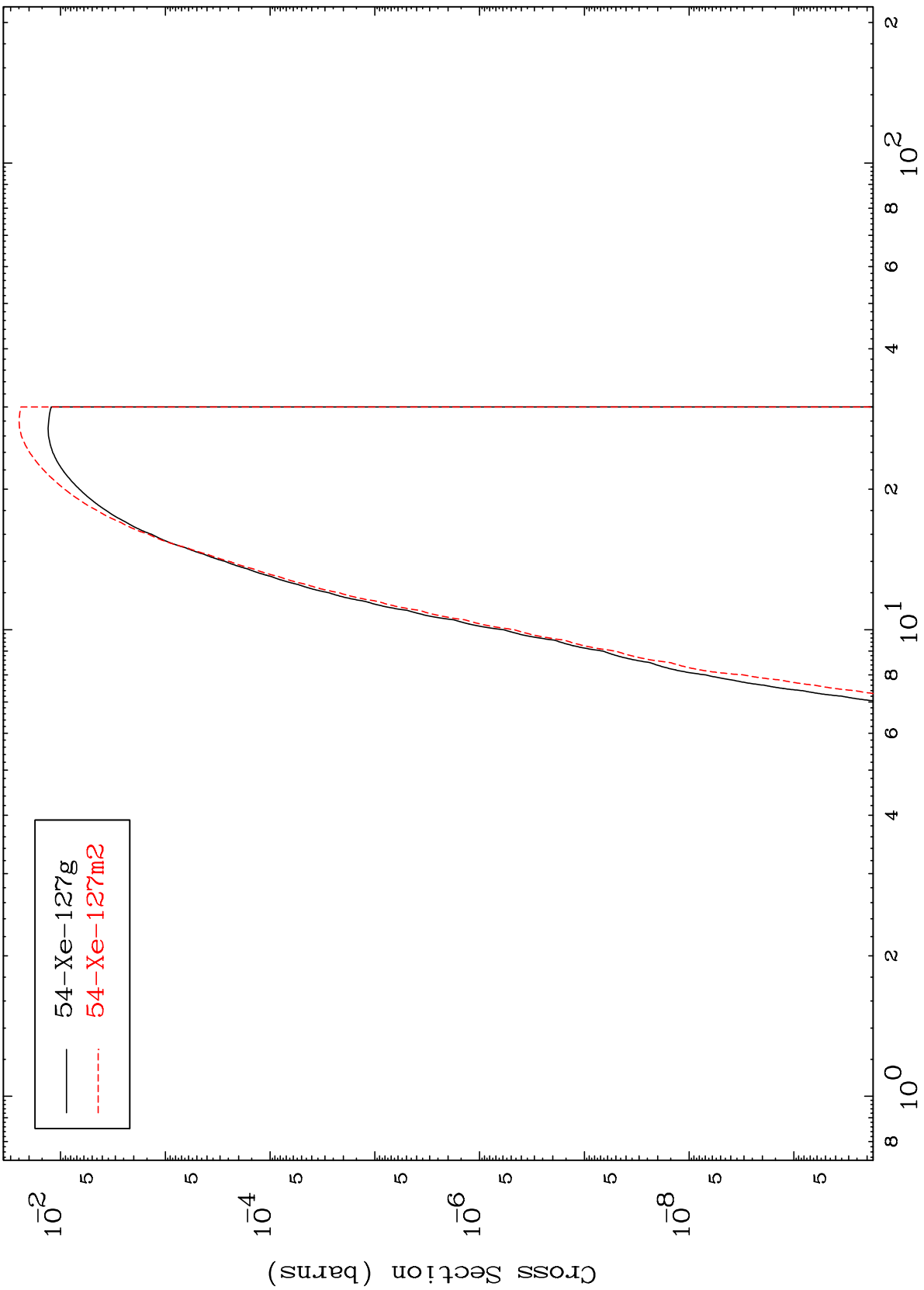
56-Ba-131

MAT 5628

(n,n')  $\alpha$

56-Ba-131

Radionuclide Production Cross Section



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

126

Incident Energy (MeV)

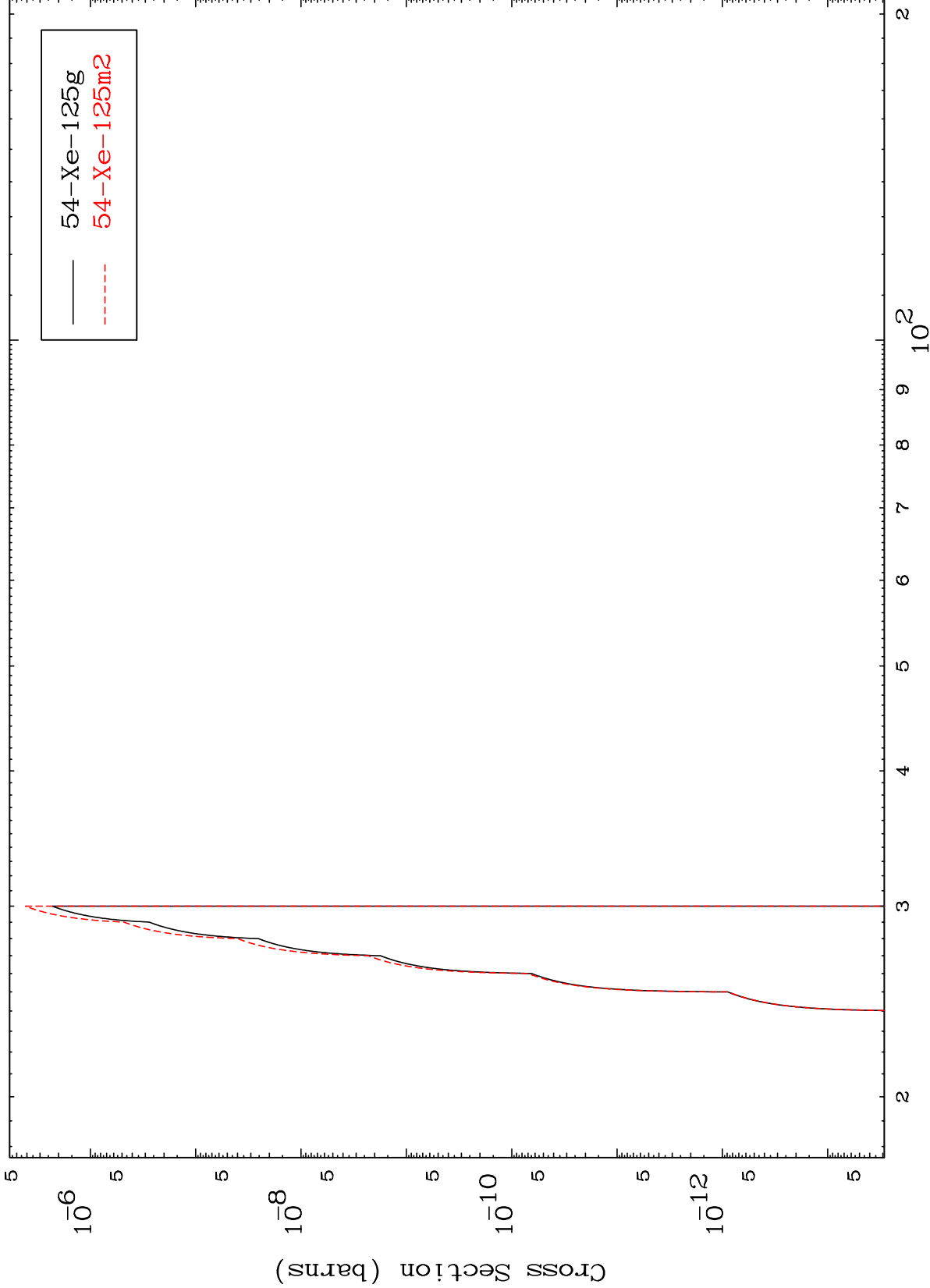
56-Ba-131

MAT 5628

(n,3n)  $\alpha$

56-Ba-131

Radionuclide Production Cross Section

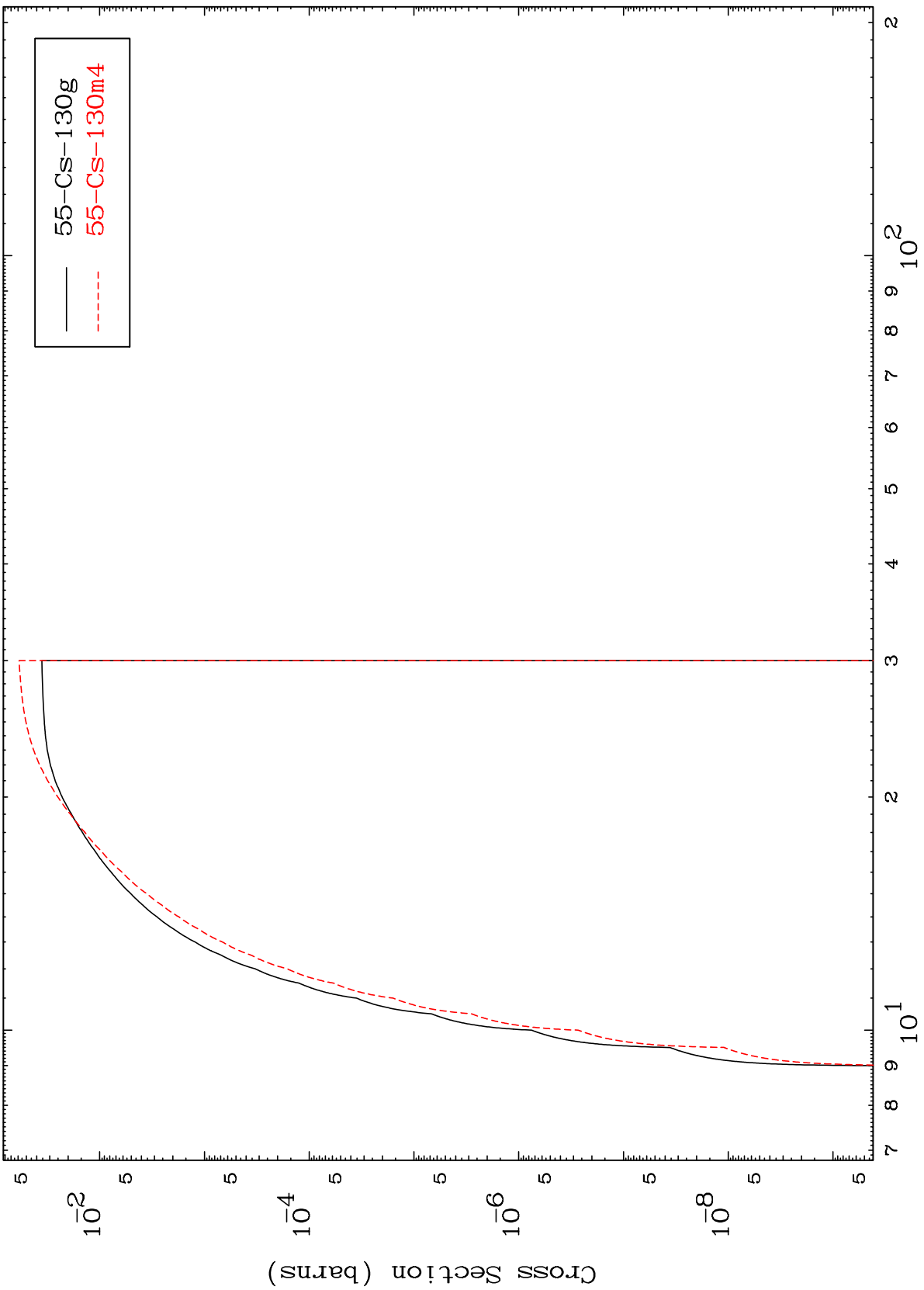


127

Incident Energy (MeV)

56-Ba-131

(n,n') p  
Radionuclide Production Cross Section

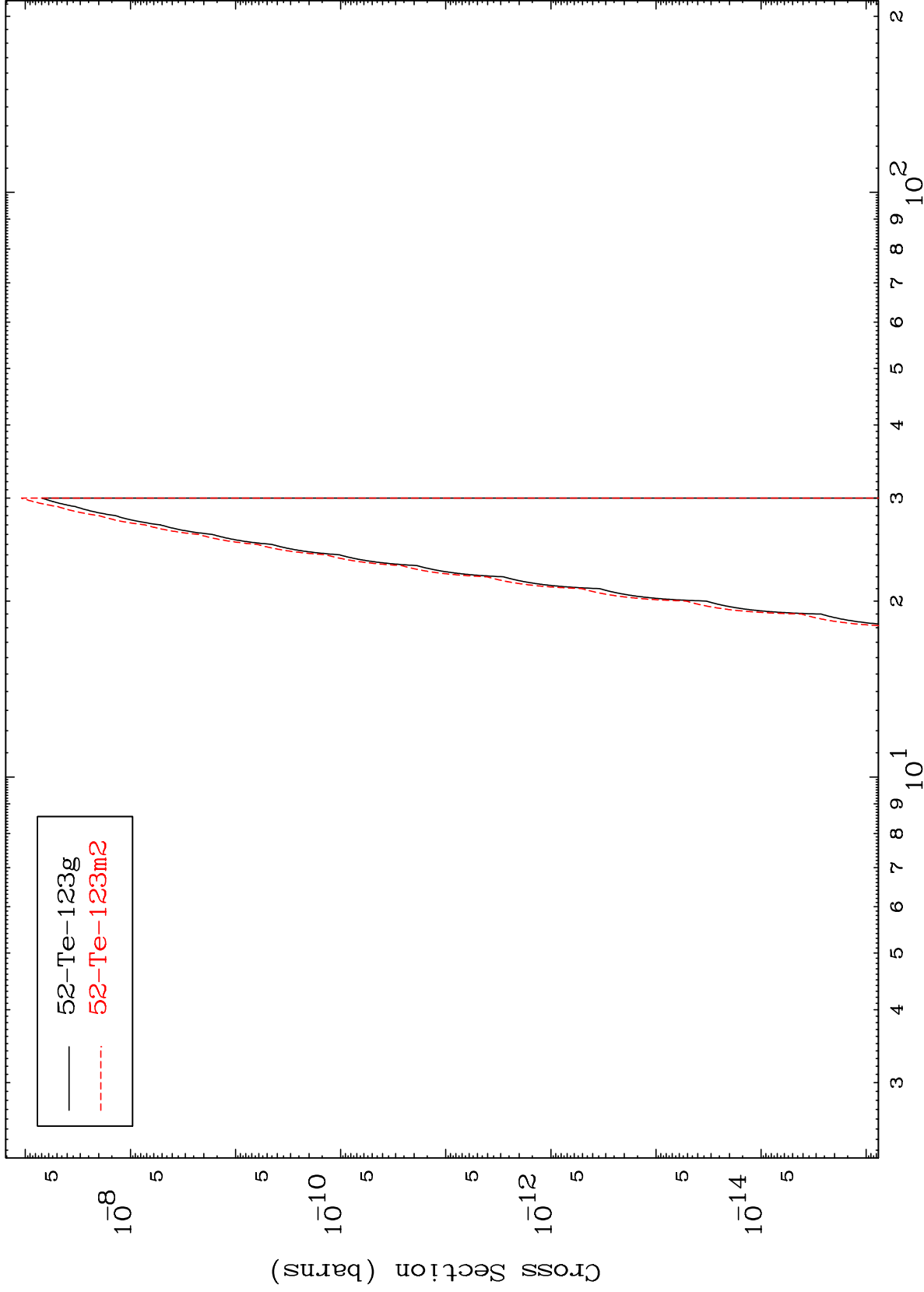


MAT 5628

(n,n') 2α

56-Ba-131

Radionuclide Production Cross Section



129

Incident Energy (MeV)

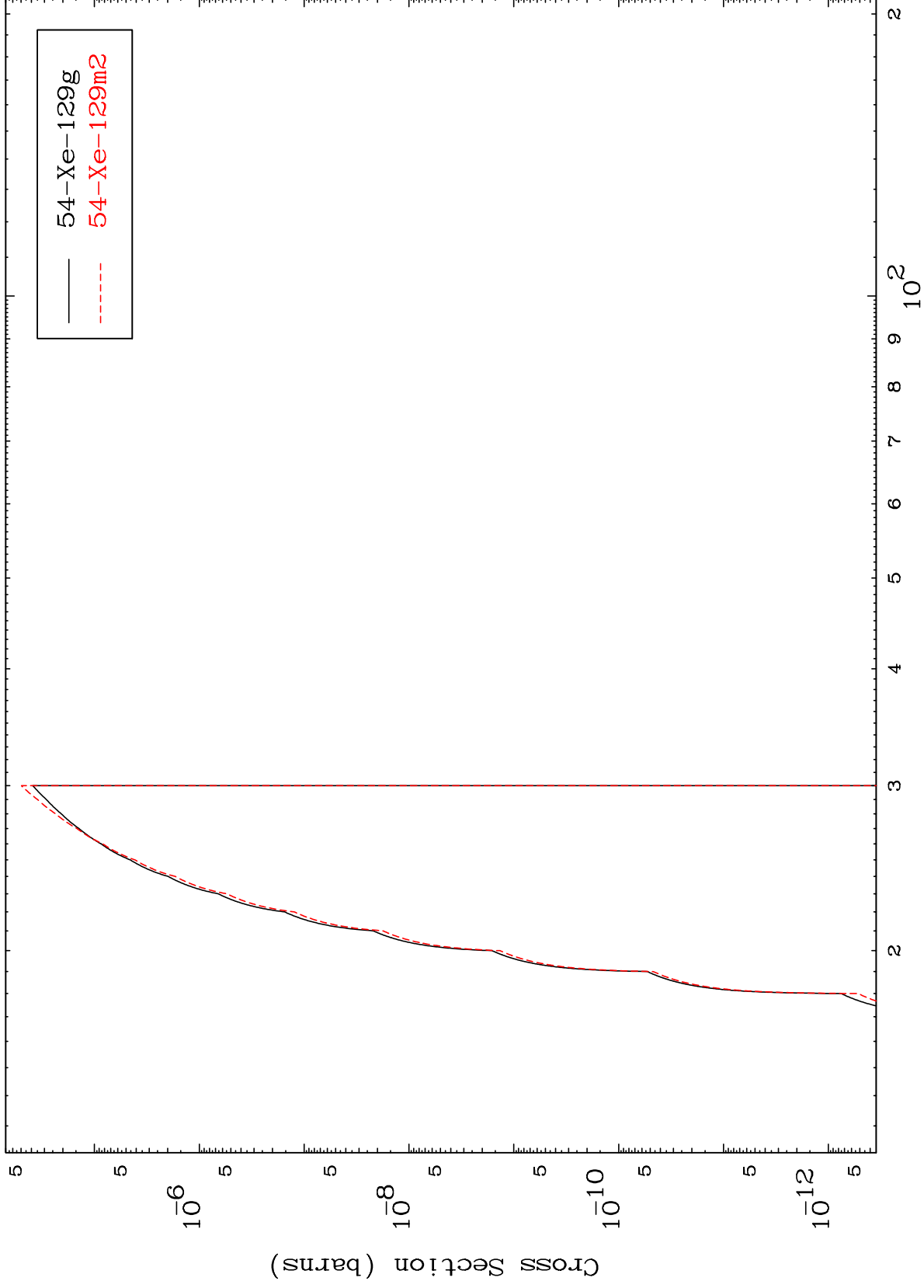
56-Ba-131

MAT 5628

(n,2n) p

56-Ba-131

Radionuclide Production Cross Section



130

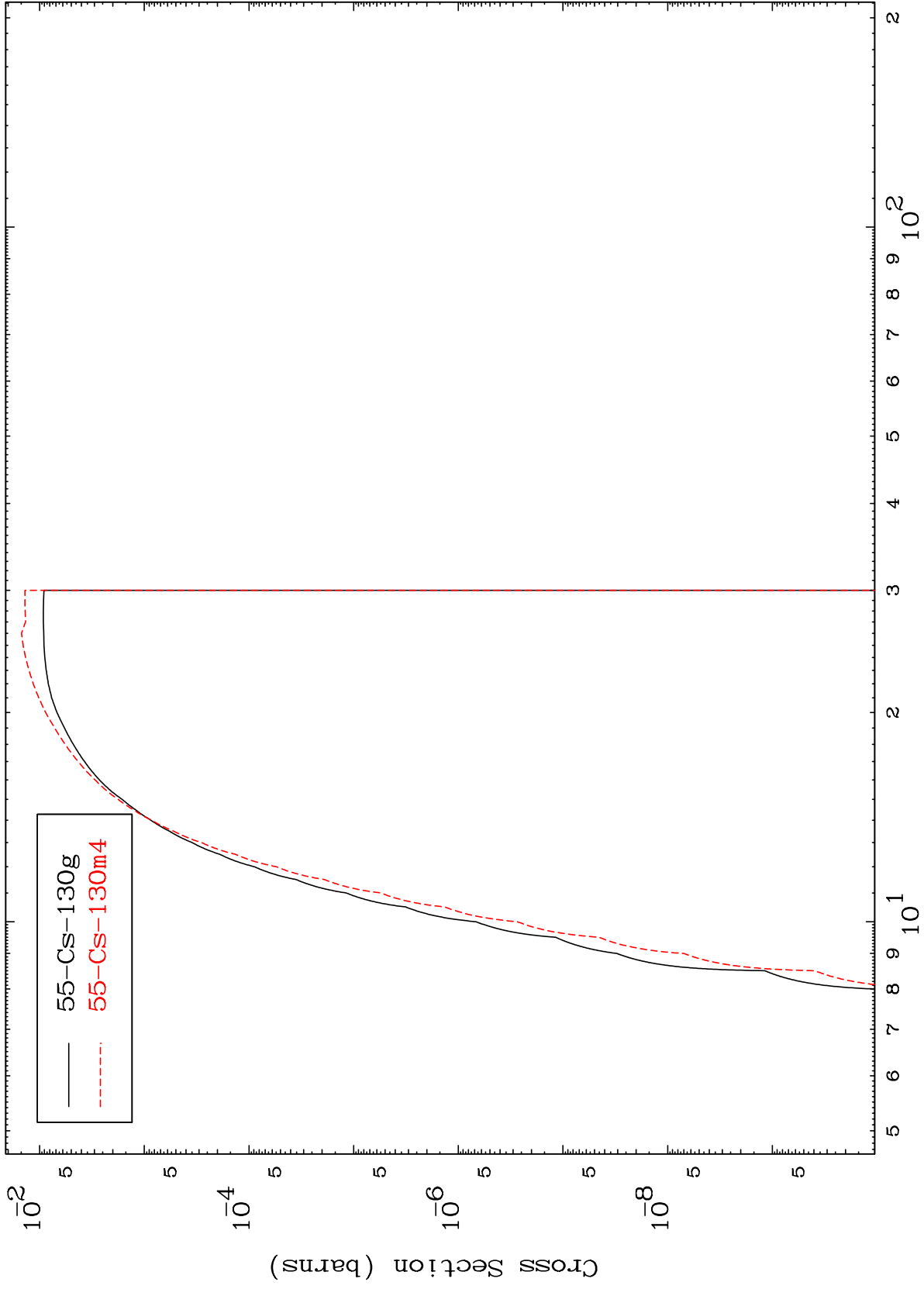
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,d)  
Radionuclide Production Cross Section



131

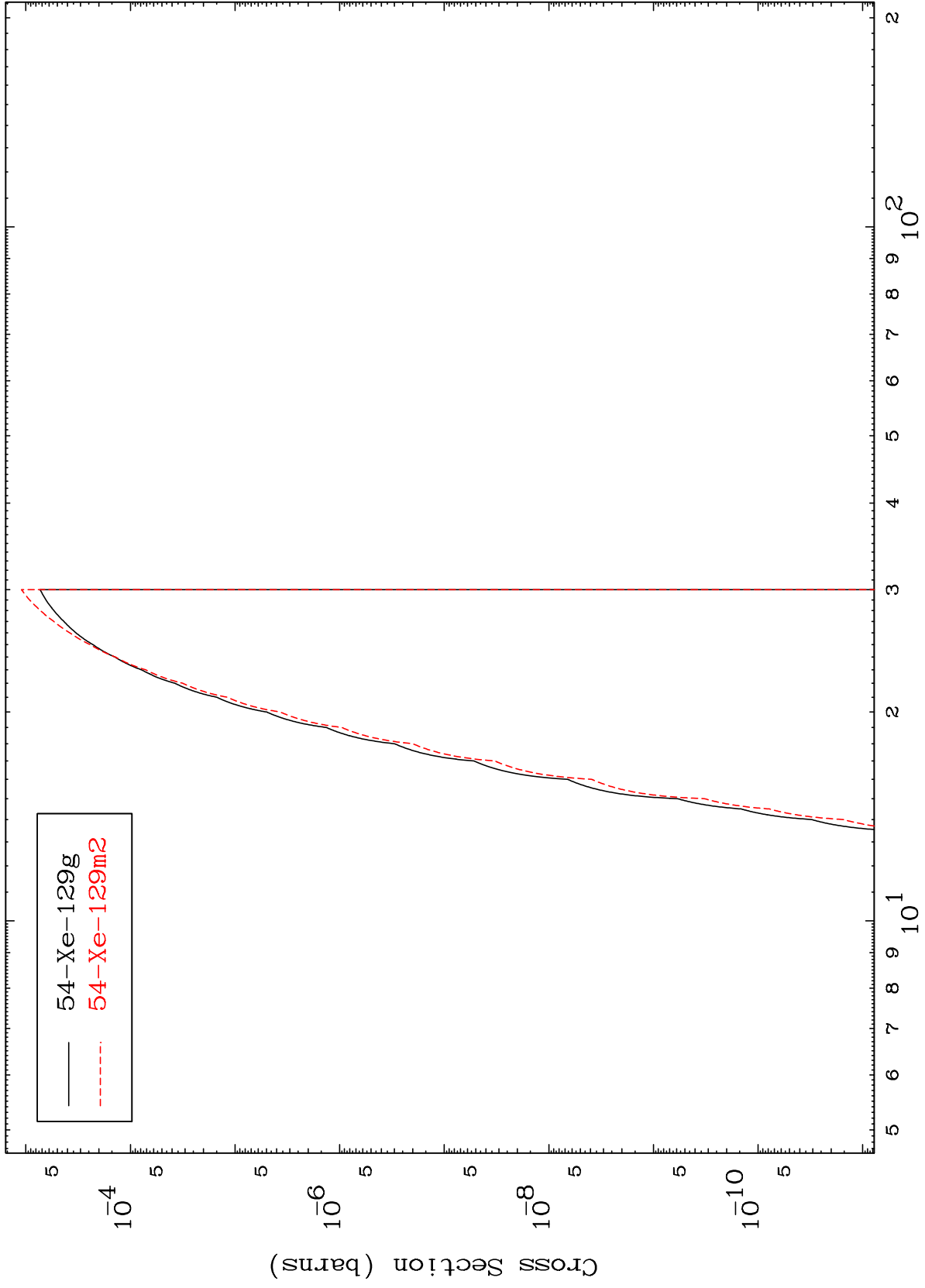
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,He-3)  
Radionuclide Production Cross Section



— 54-Xe-129g  
- - - 54-Xe-129m2

132

Incident Energy (MeV)

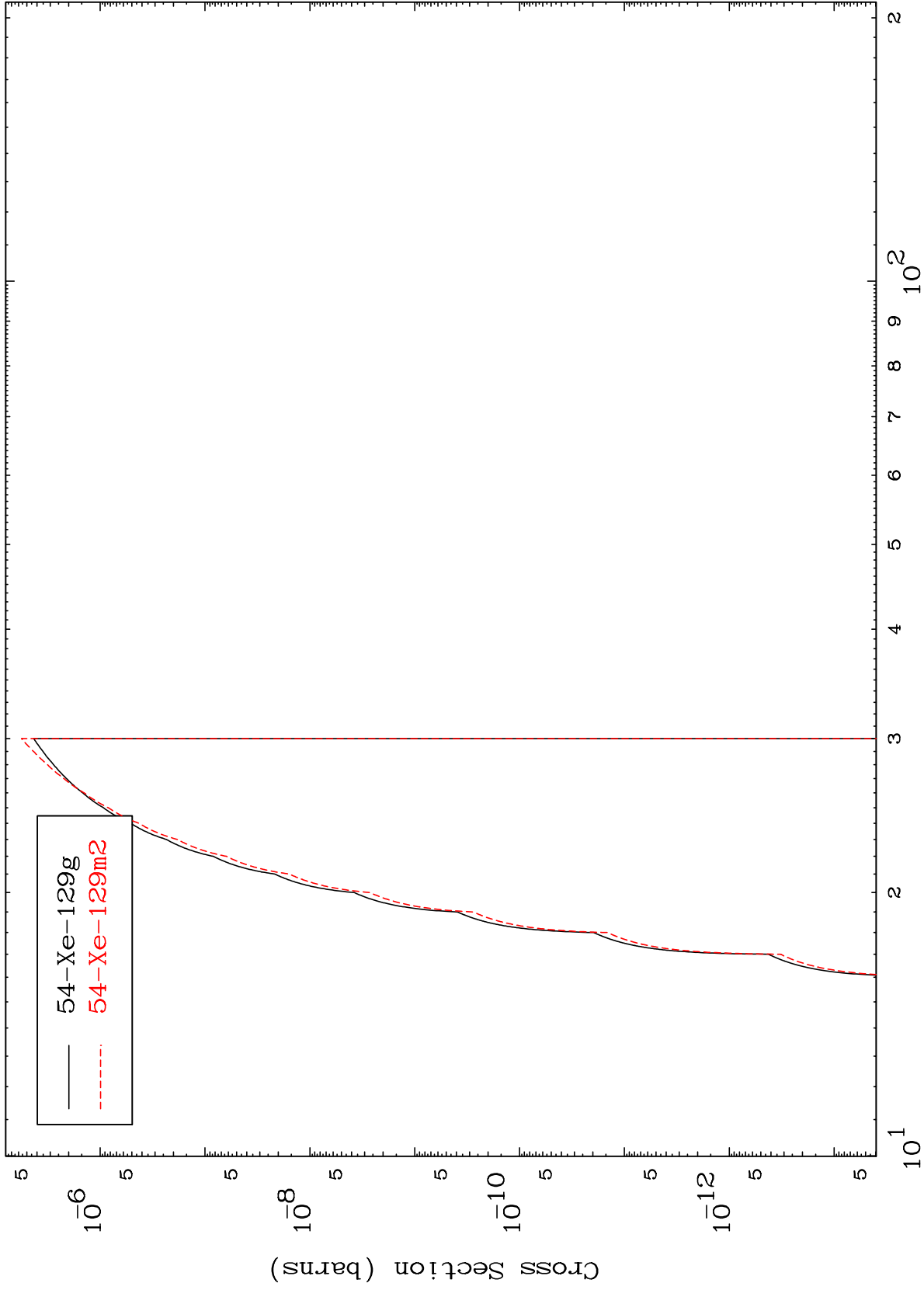
56-Ba-131

MAT 5628

(n,p) d

56-Ba-131

Radionuclide Production Cross Section



133

Incident Energy (MeV)

56-Ba-131