

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

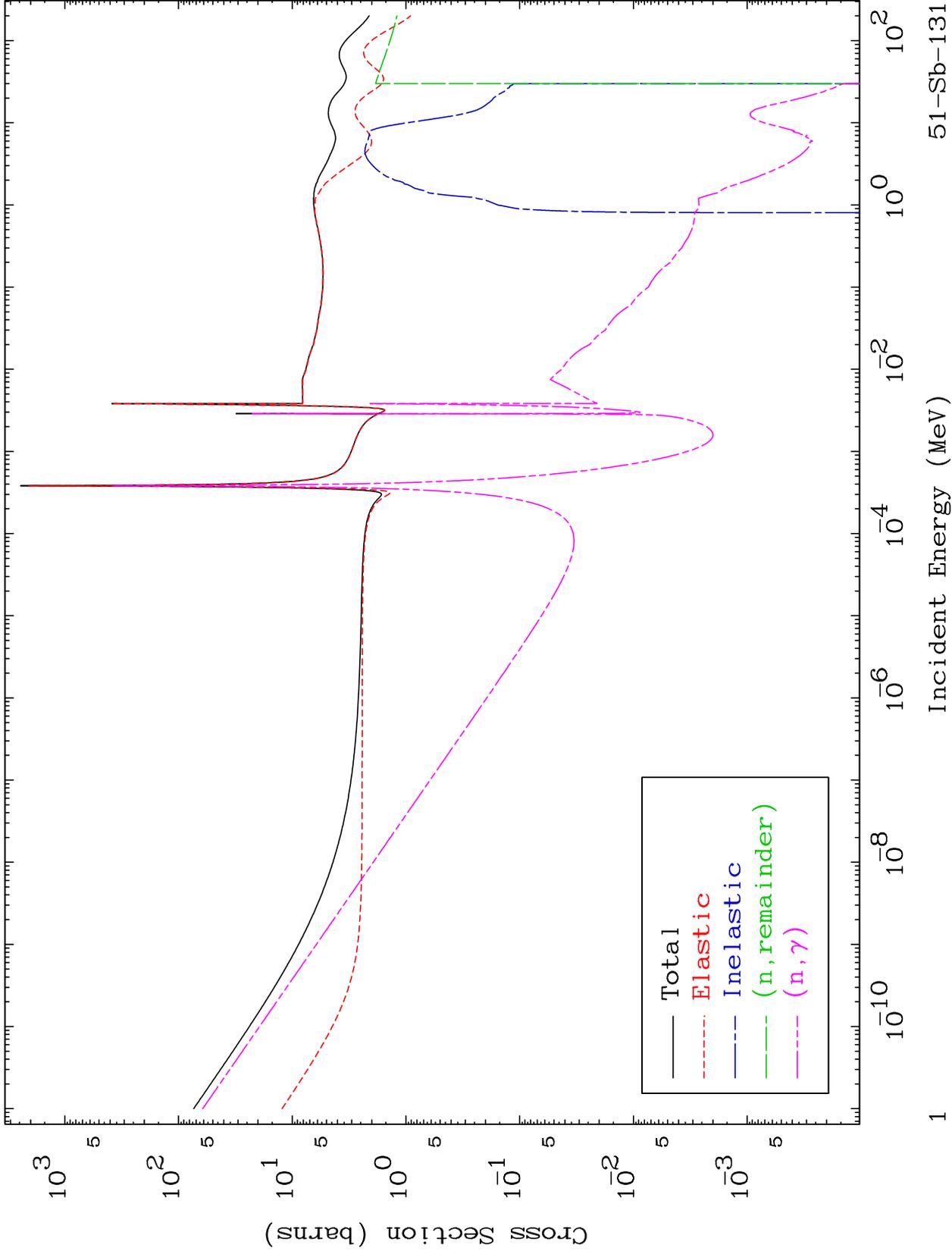
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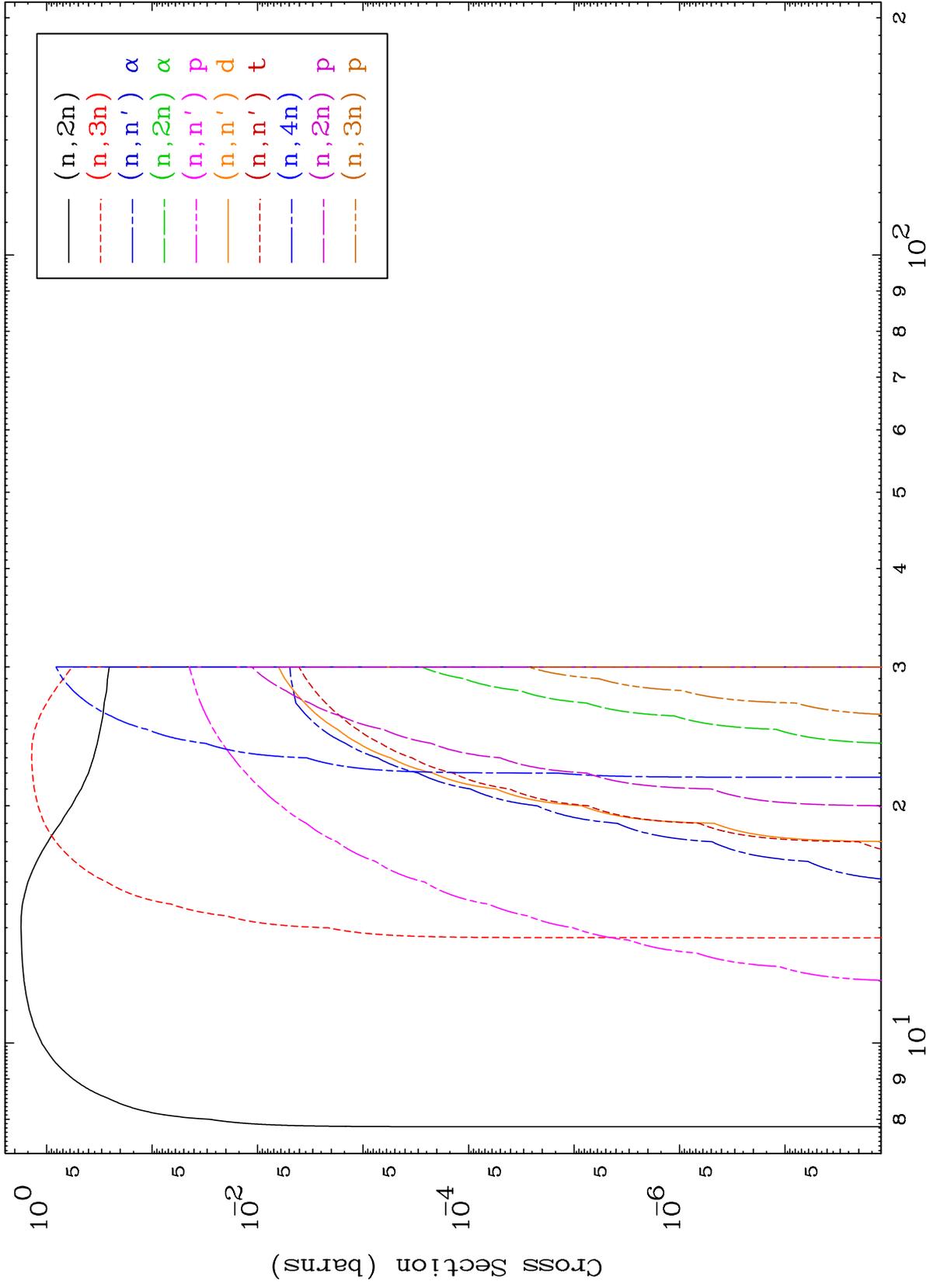
MAT 5155

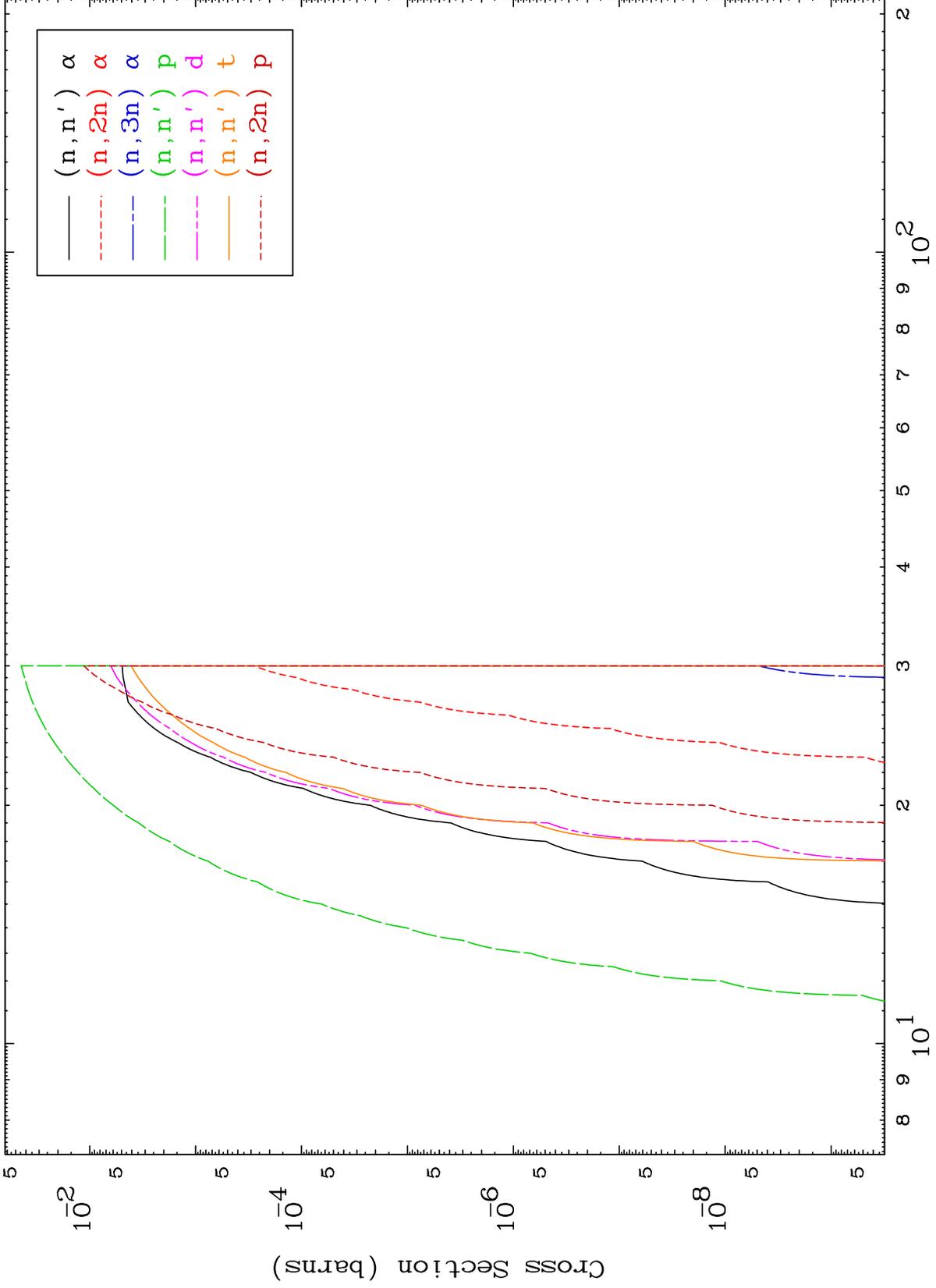
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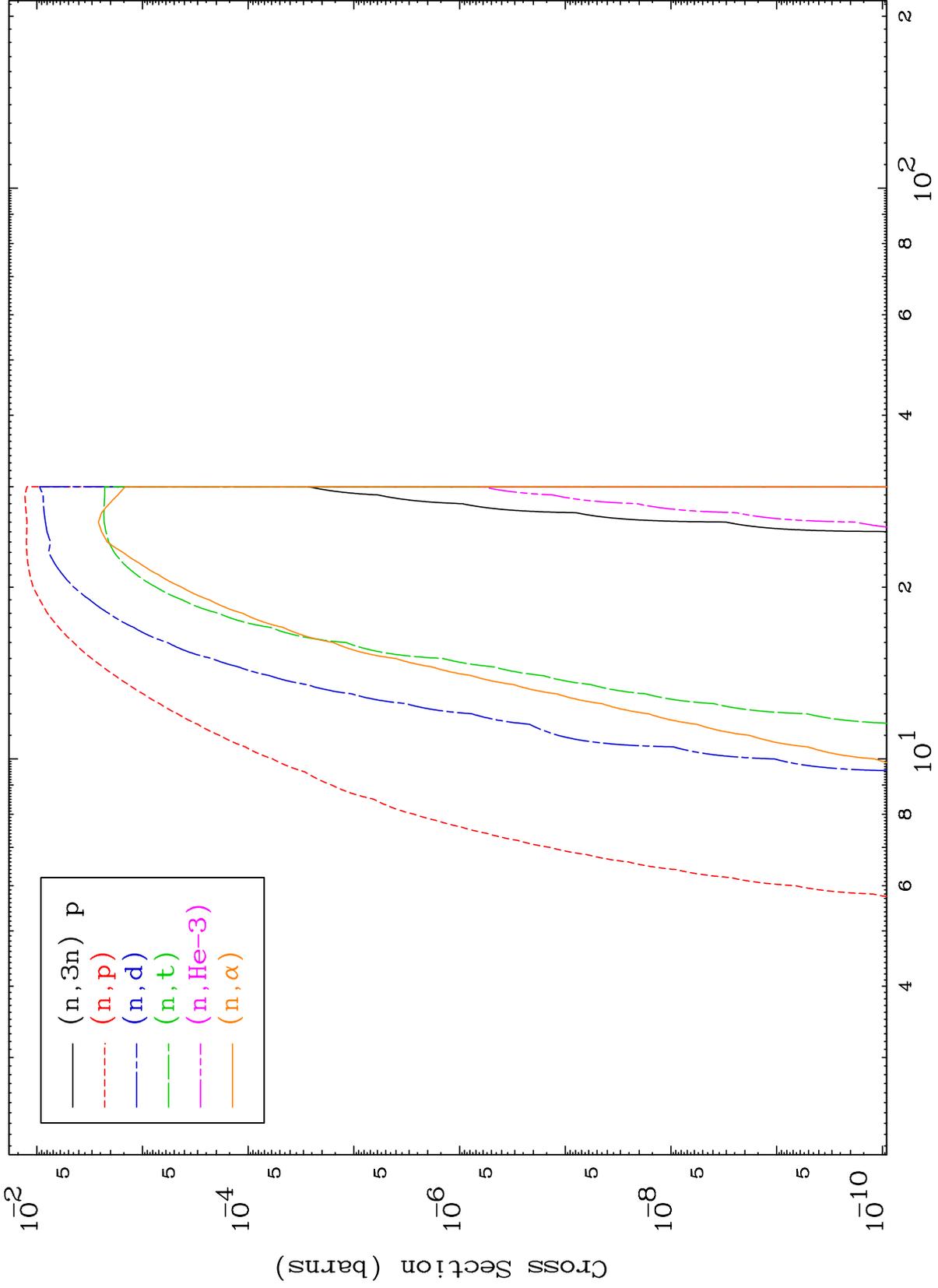
293 Kelvin Cross Sections

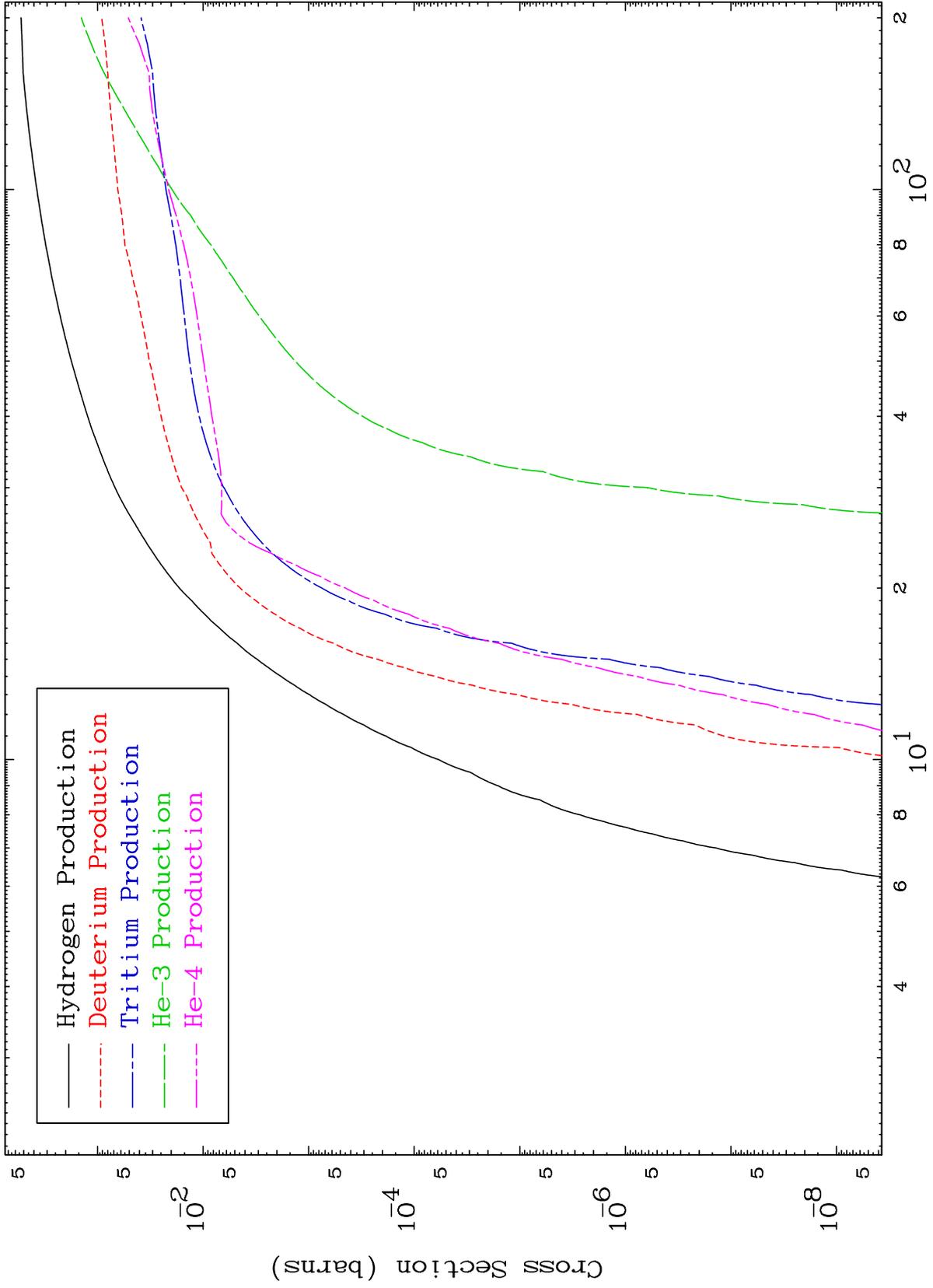
51-Sb-131









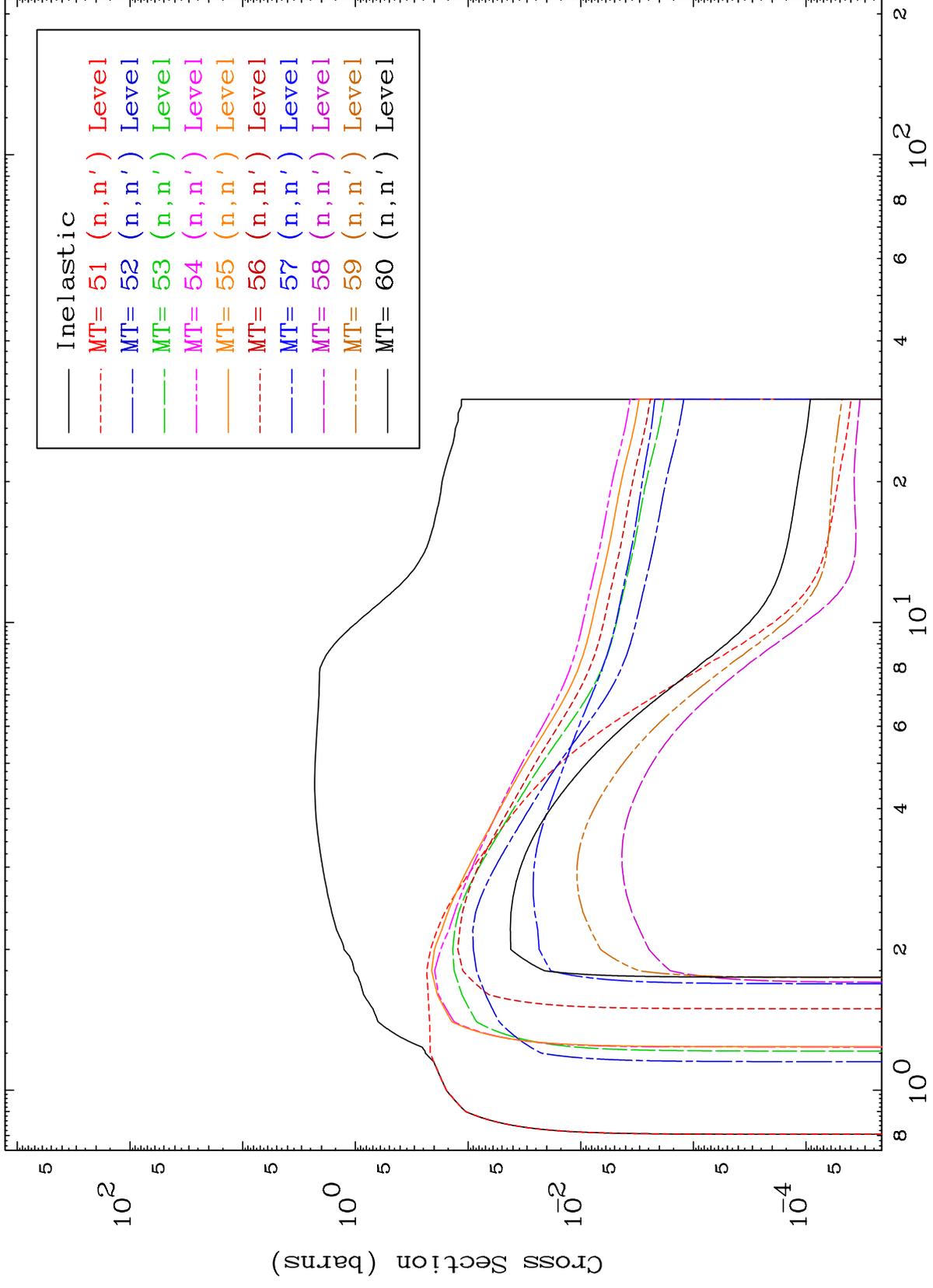


MAT 5155

(n,n') Level

51-Sb-131

293 Kelvin Cross Sections



Incident Energy (MeV)

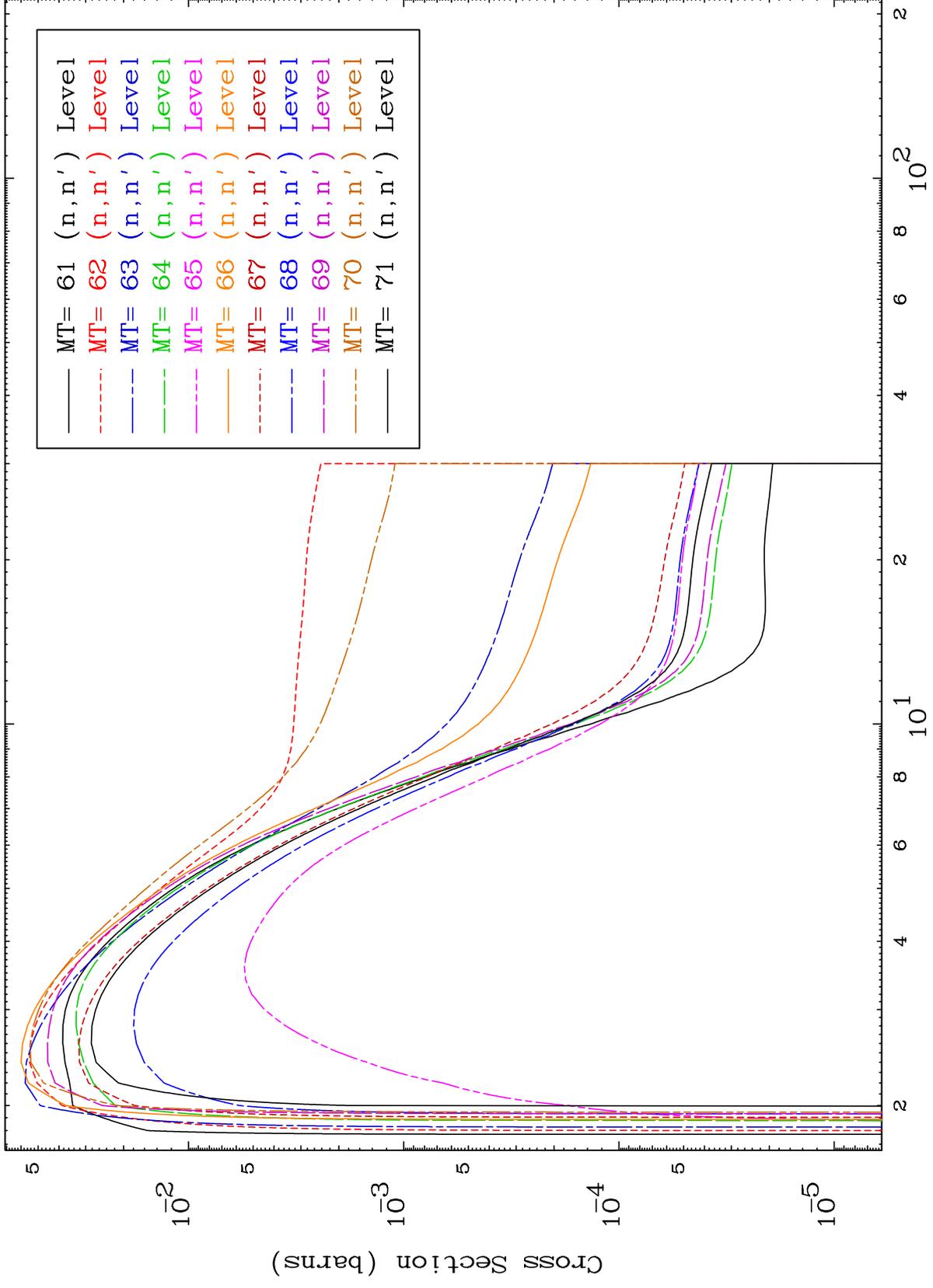
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MAT 5155

(n,n') Level

51-Sb-131

293 Kelvins Cross Sections



7

Incident Energy (MeV)

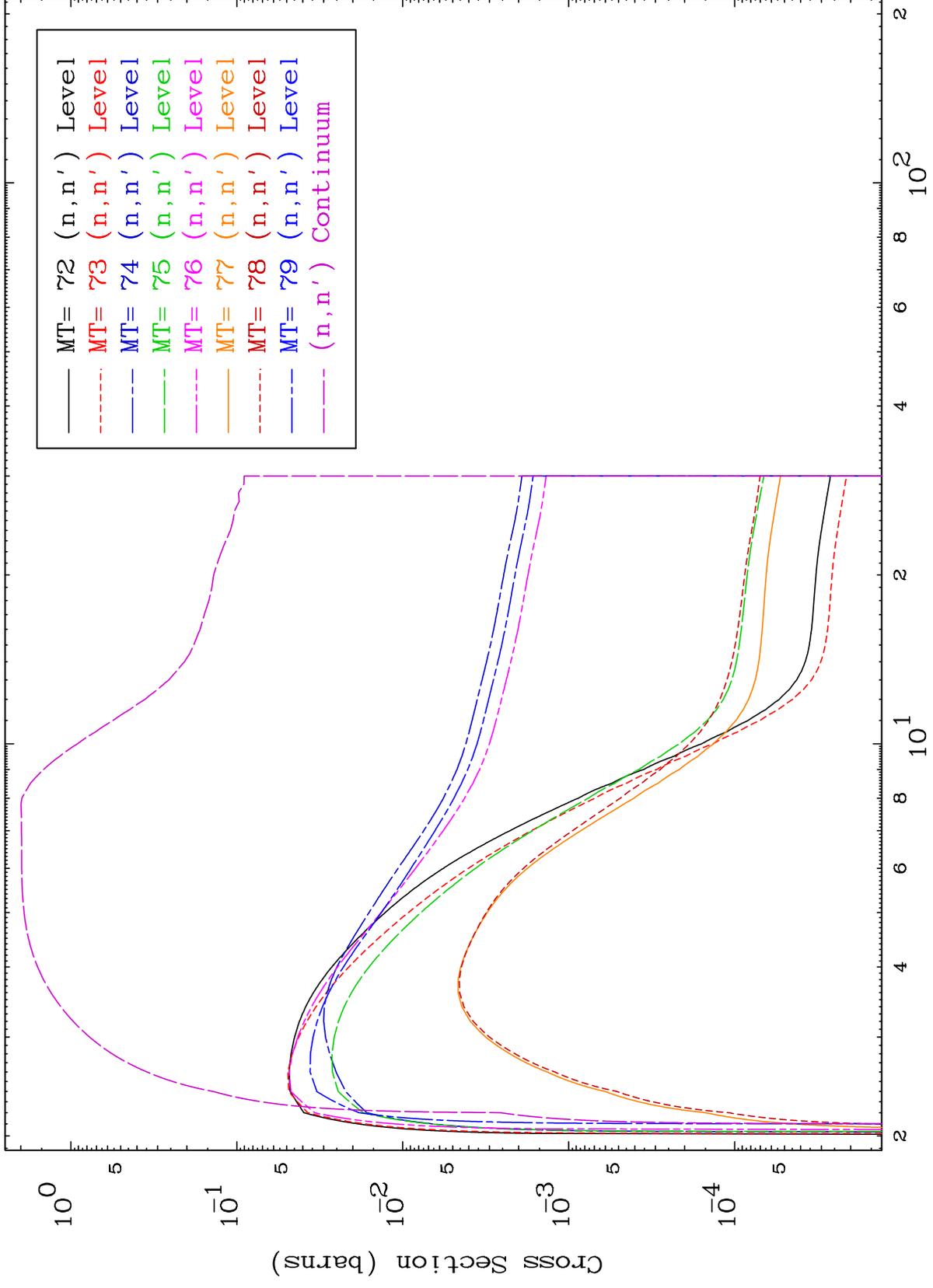
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MAT 5155

(n,n') Level

51-Sb-131

293 Kelvin Cross Sections



8

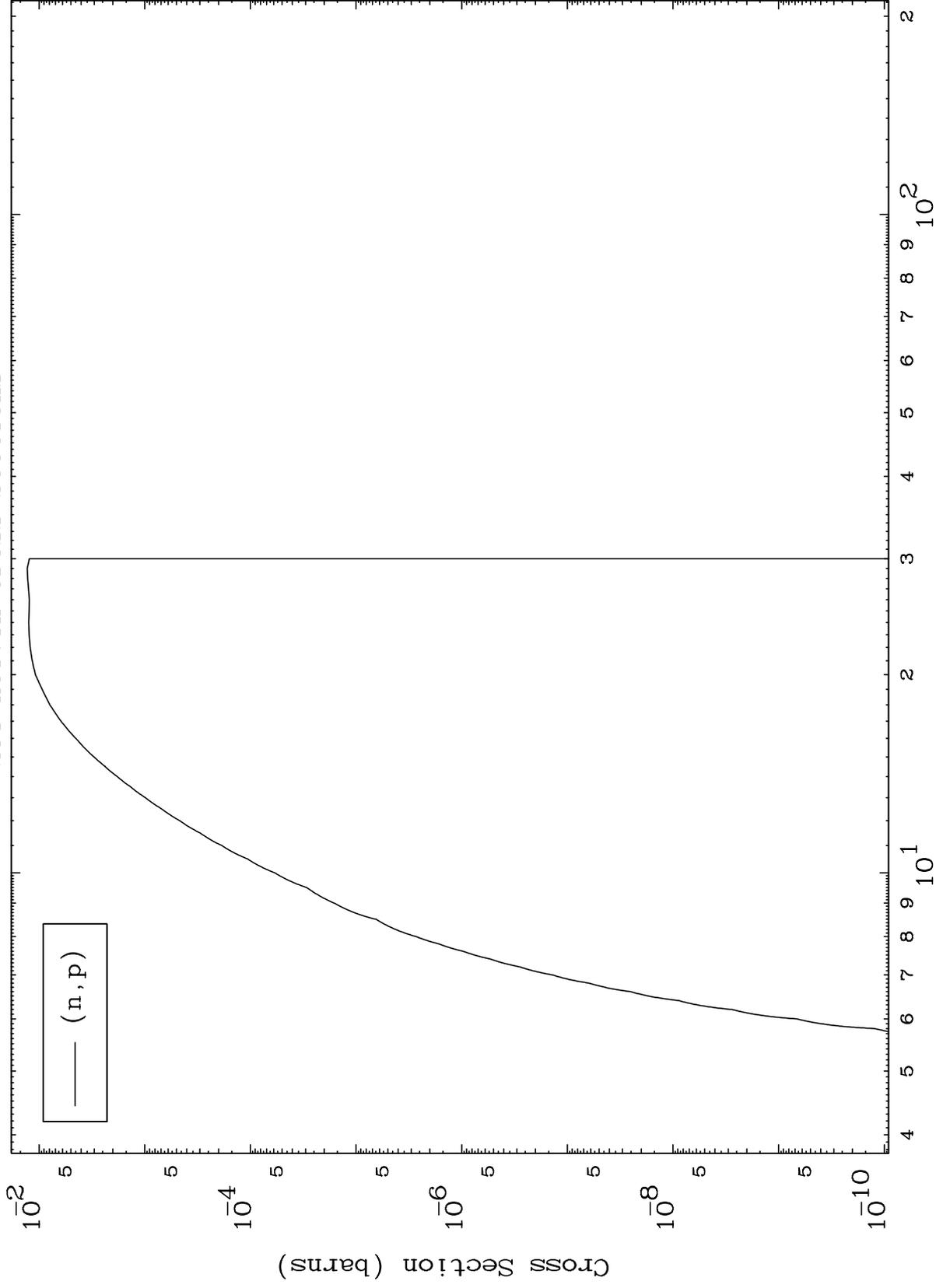
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-131



9

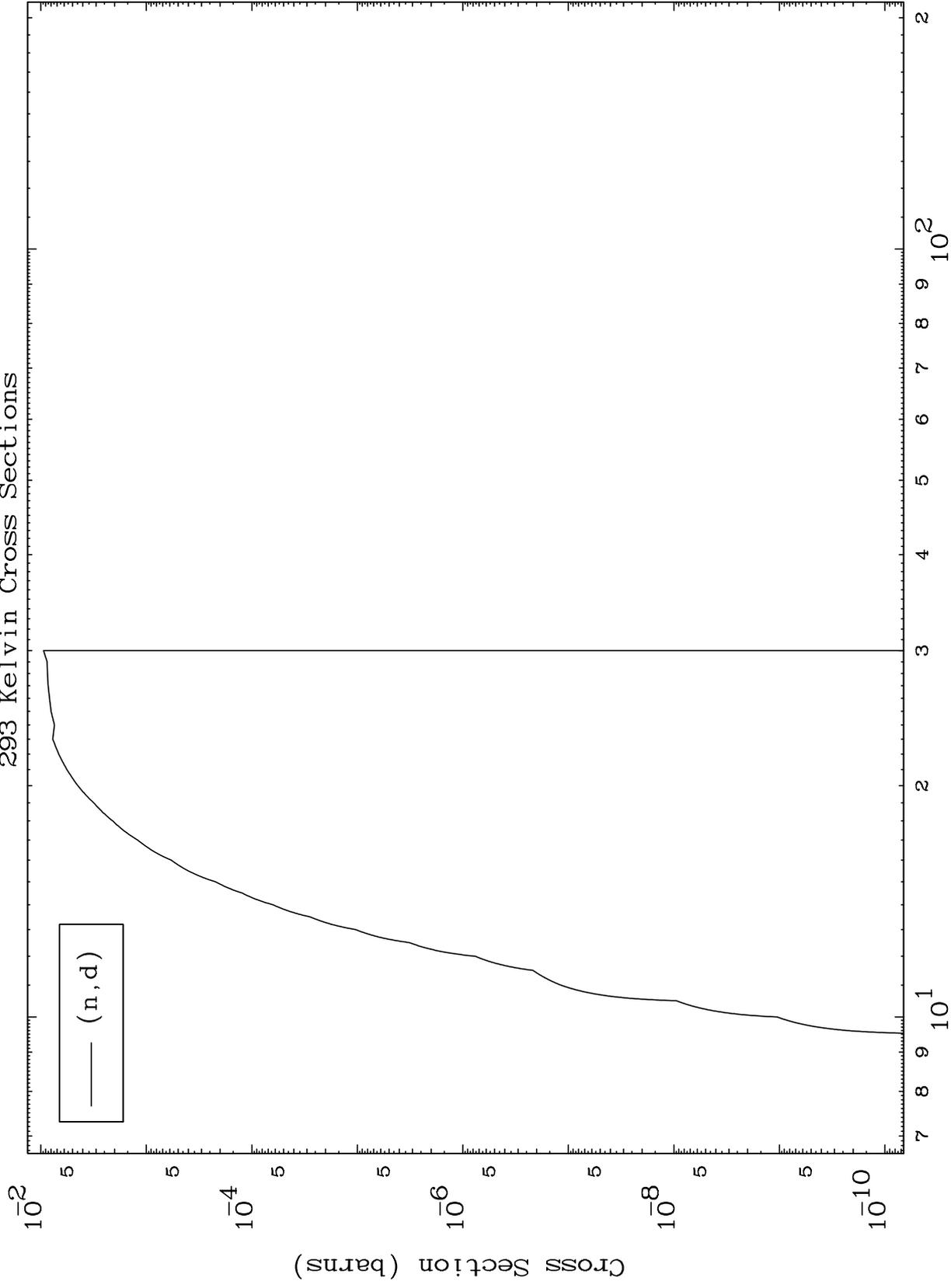
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-131



10

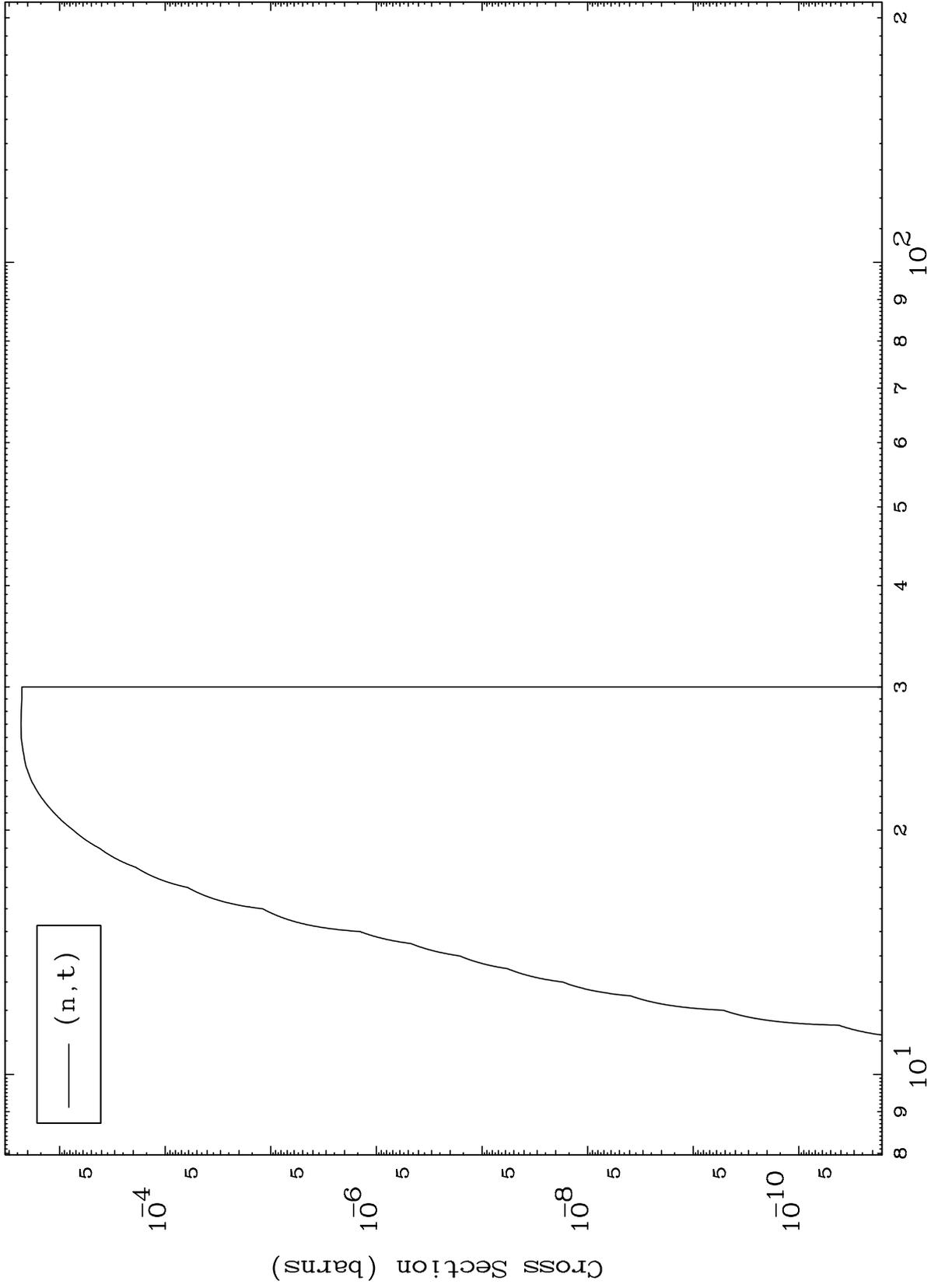
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-131



11

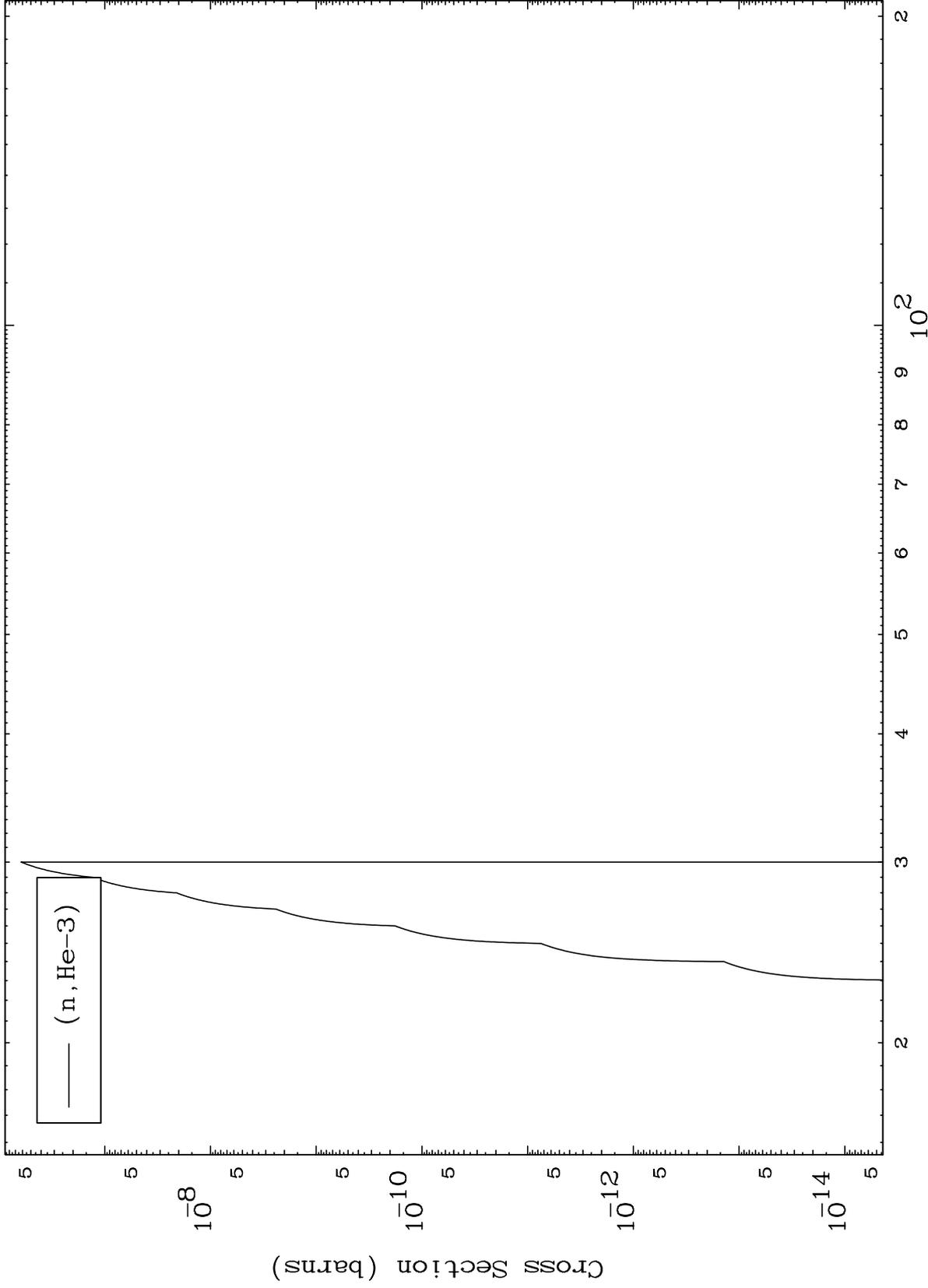
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-131



12

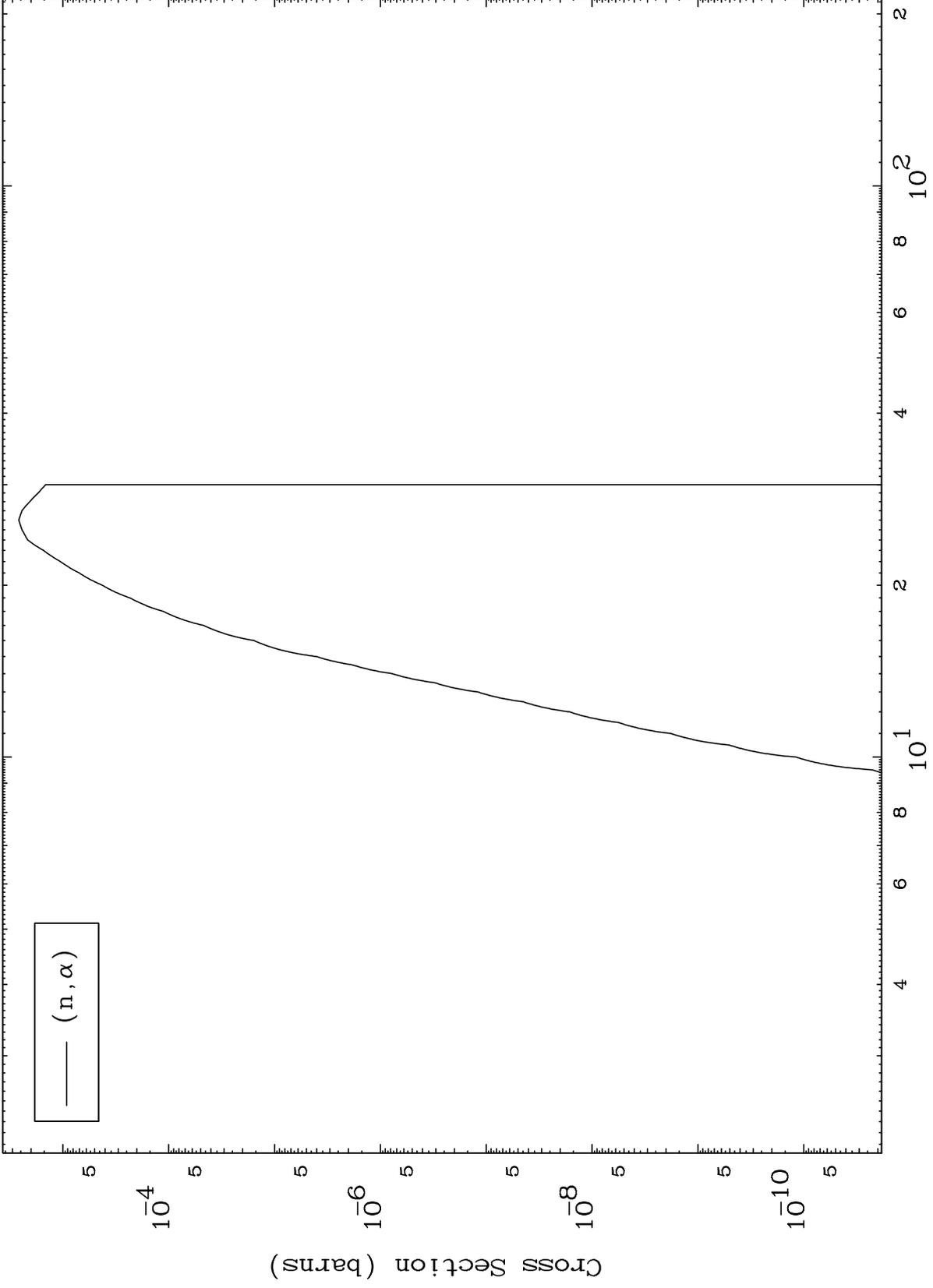
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

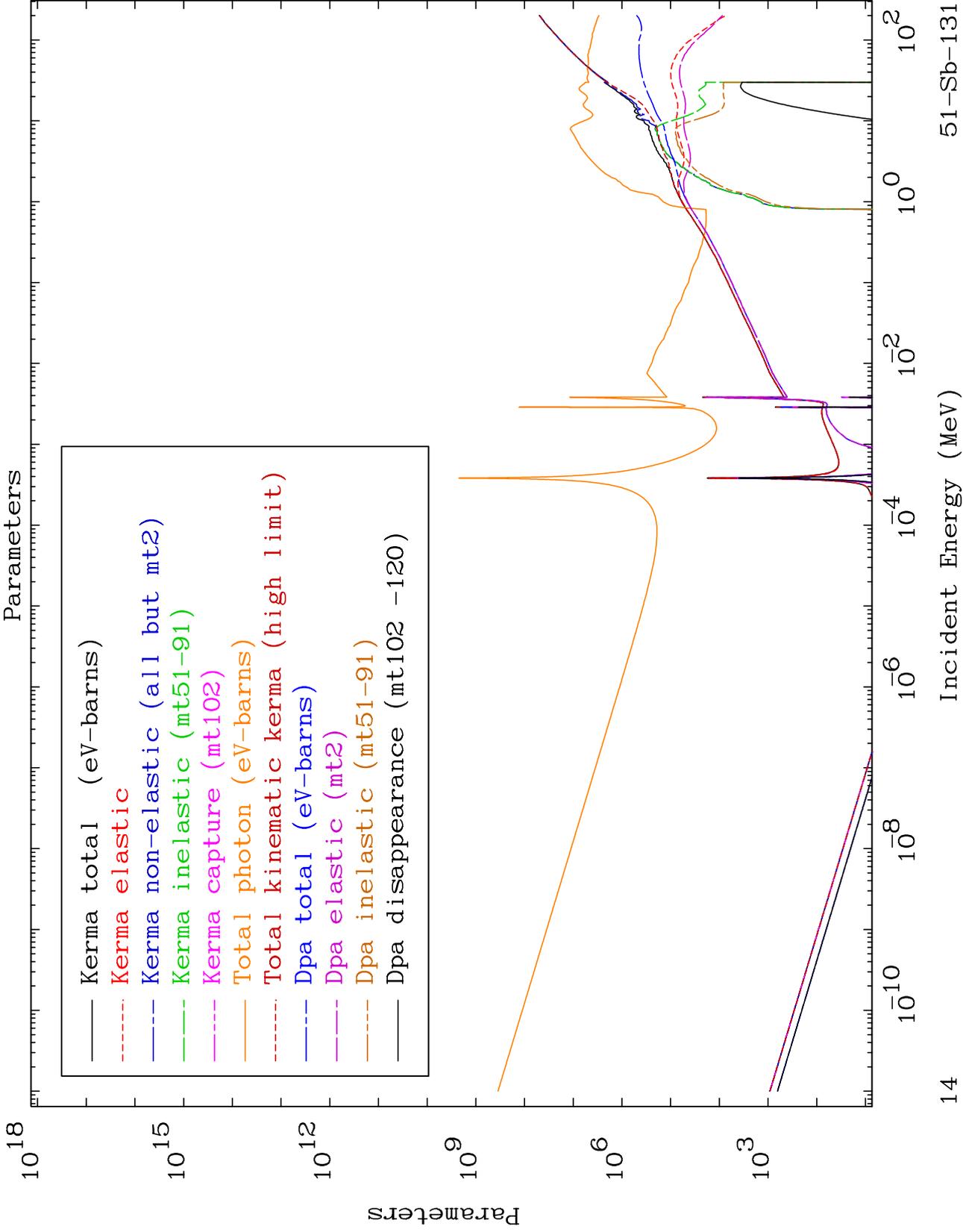
51-Sb-131



13

Incident Energy (MeV)

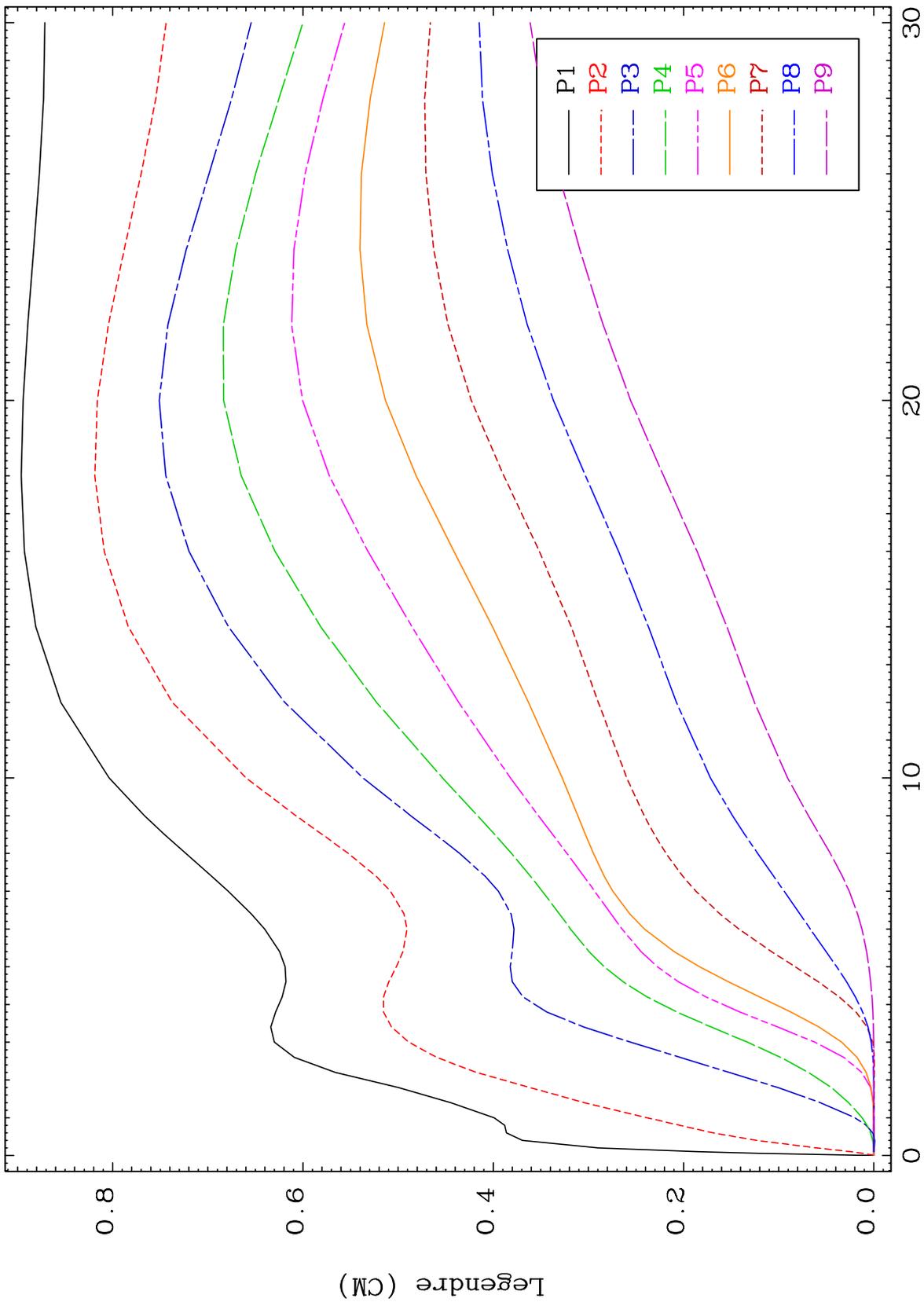
51-Sb-131



MAT 5155

51-Sb-131

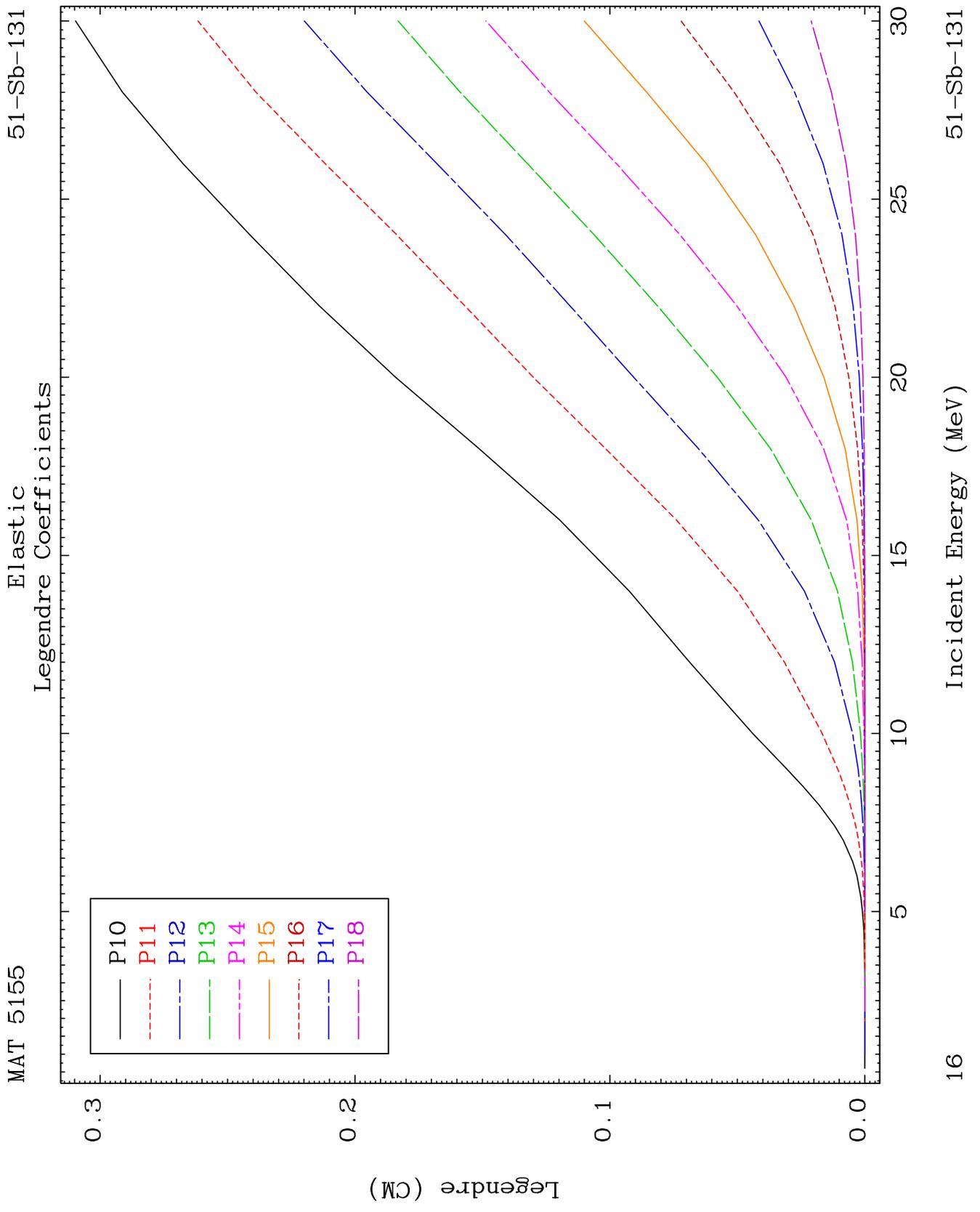
Elastic Legendre Coefficients



51-Sb-131

Incident Energy (MeV)

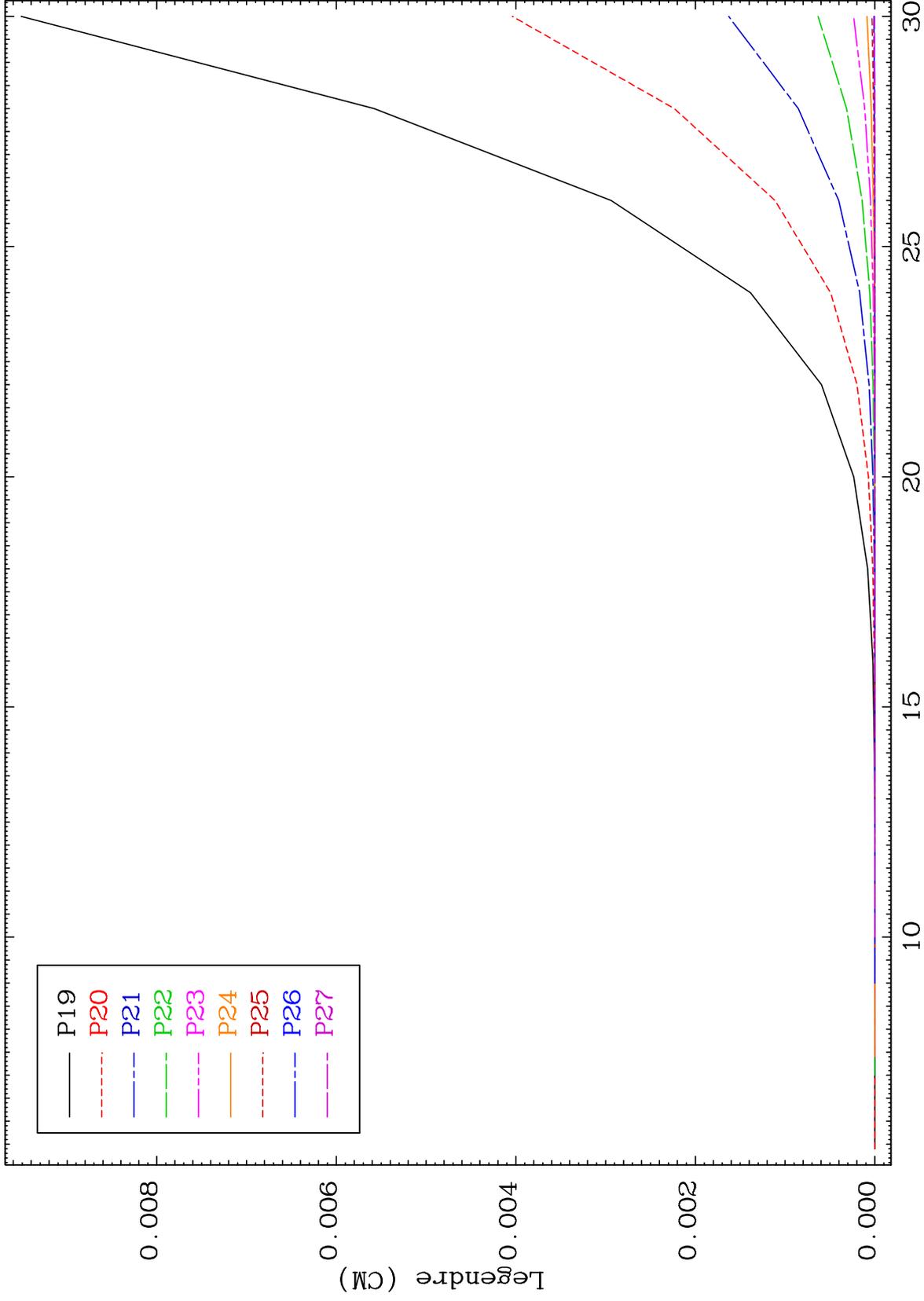
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MAT 5155

### Elastic Legendre Coefficients

51-Sb-131



17

Incident Energy (MeV)

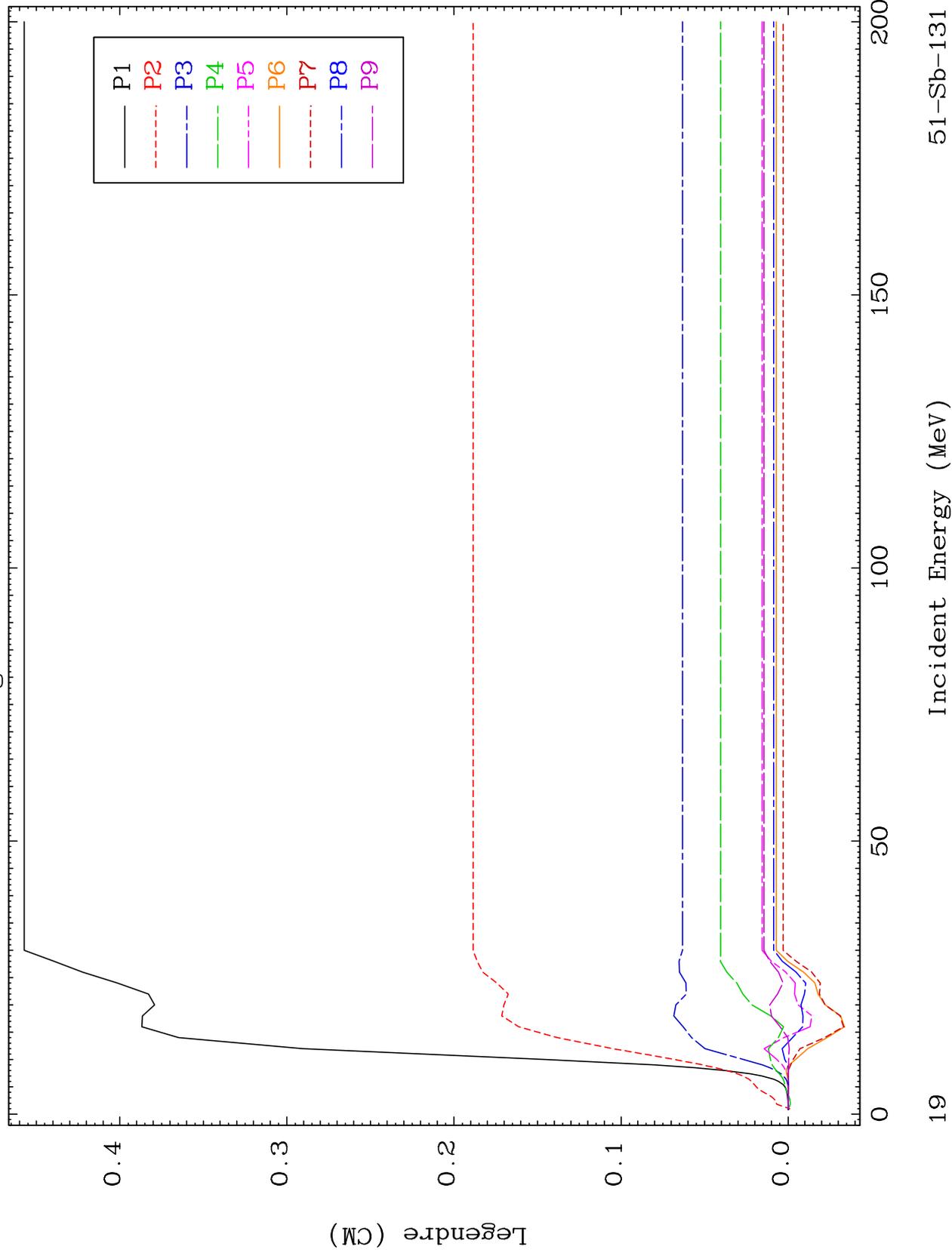
51-Sb-131



MAT 5155

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Legendre Coefficients

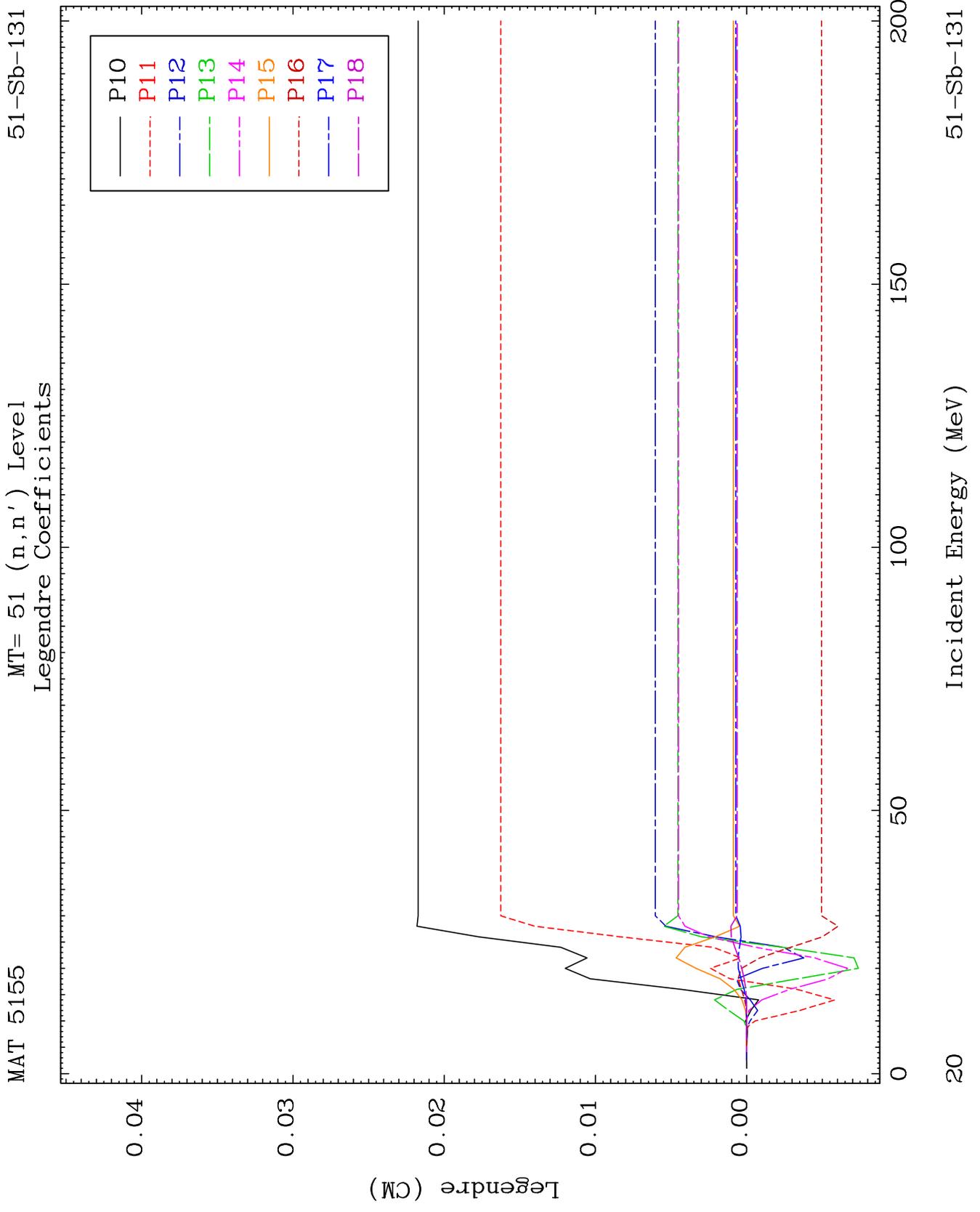
51-Sb-131



51-Sb-131

Incident Energy (MeV)

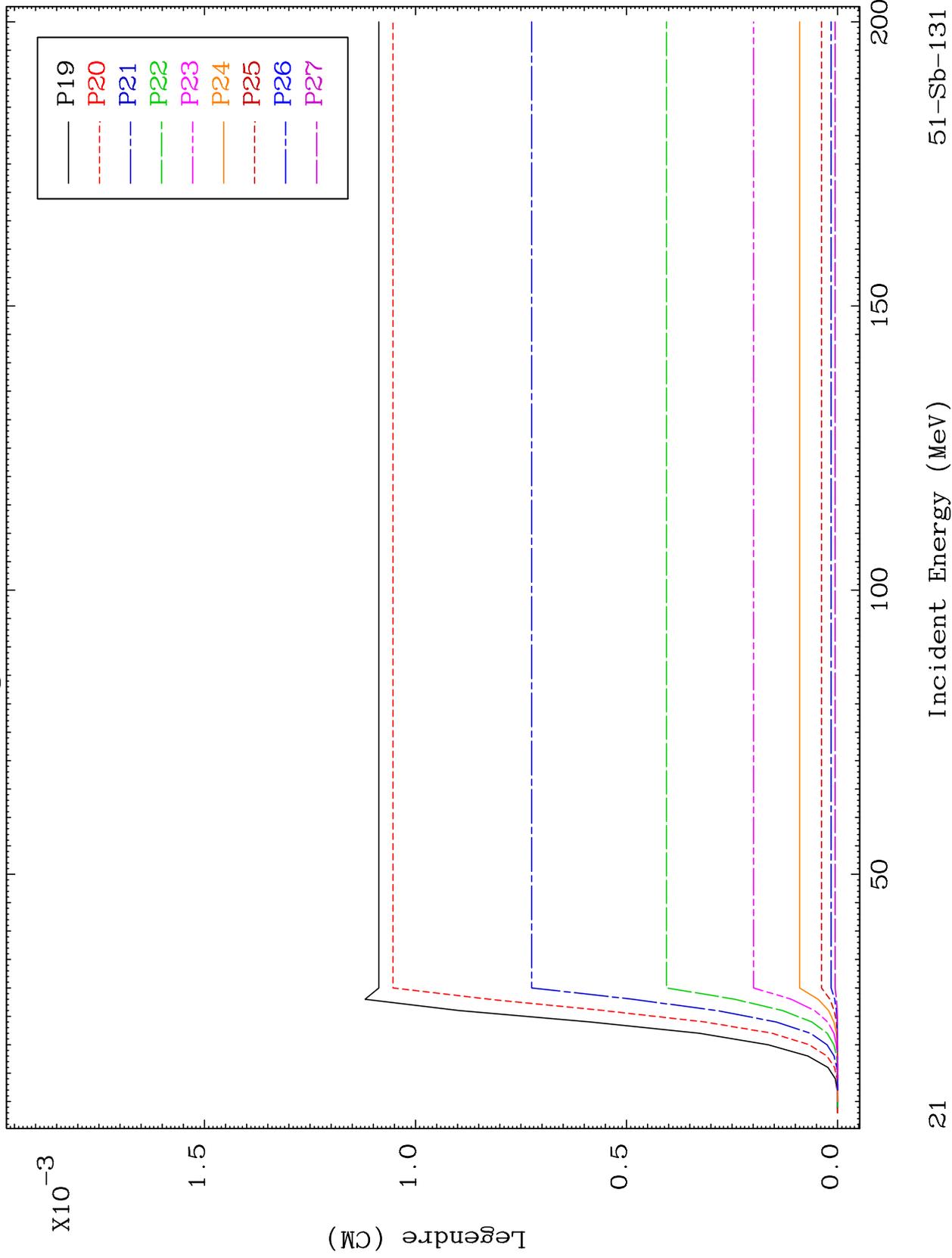
19



MAT 5155

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

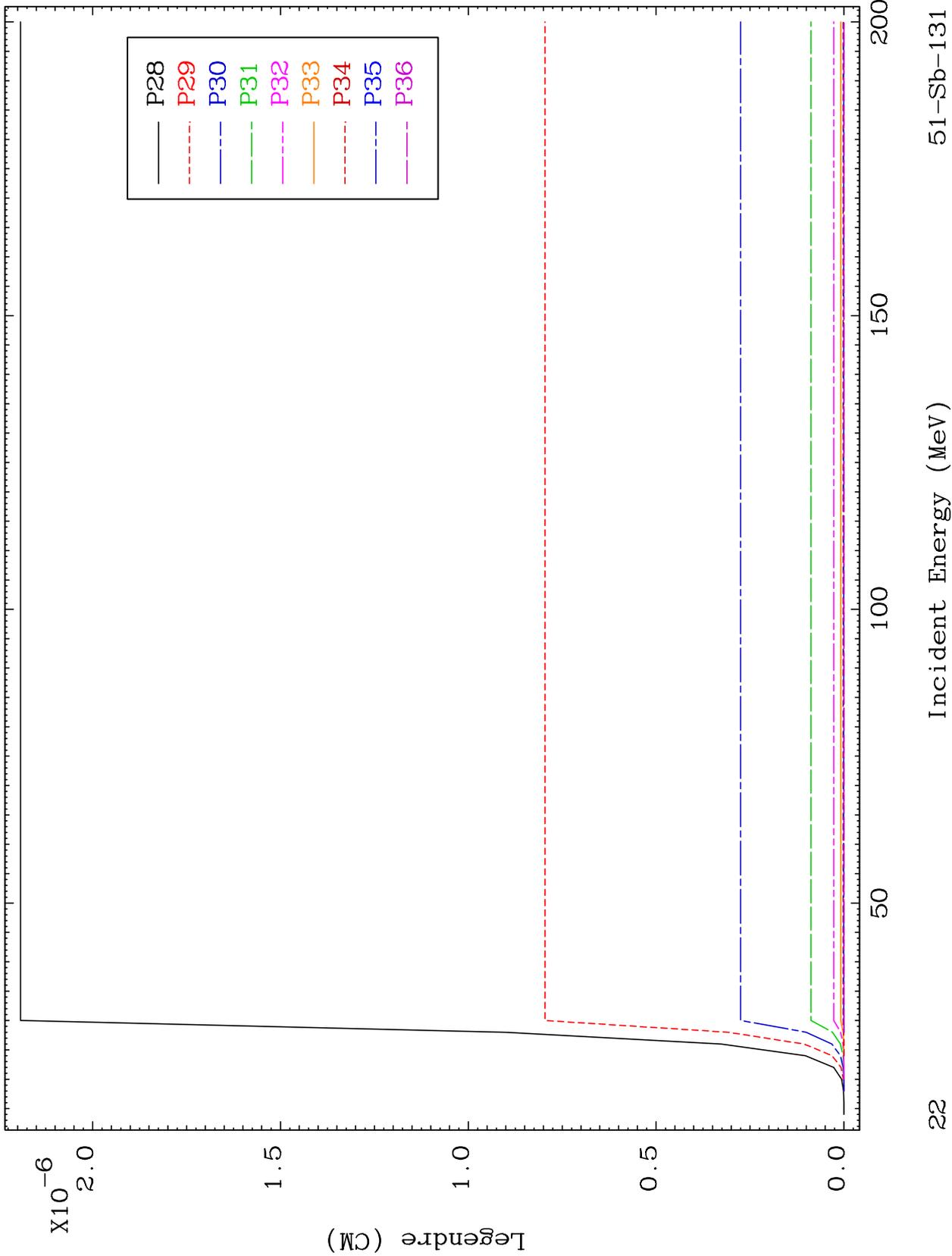
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MAT 5155

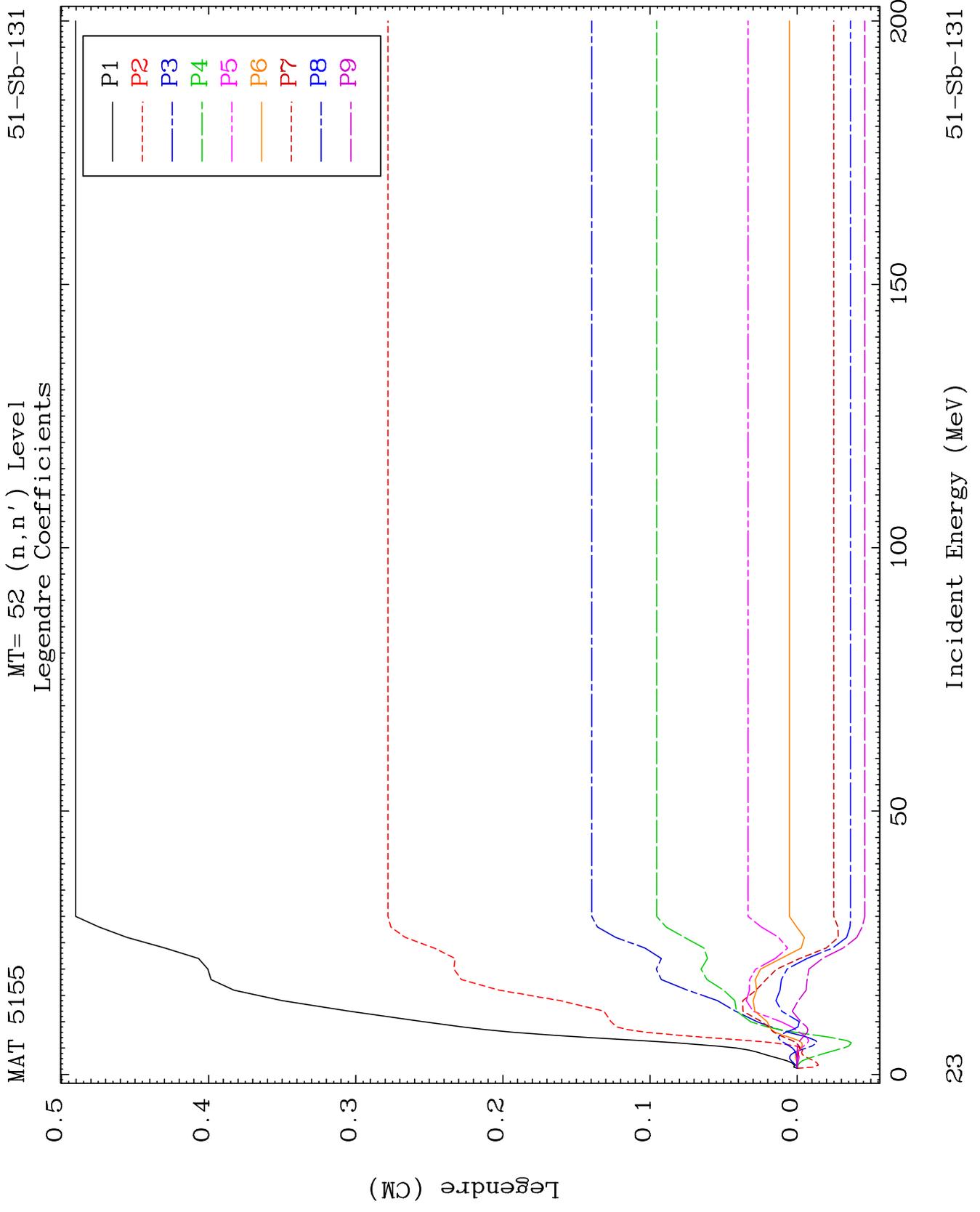
MT= 51 (n,n') Level  
Legendre Coefficients

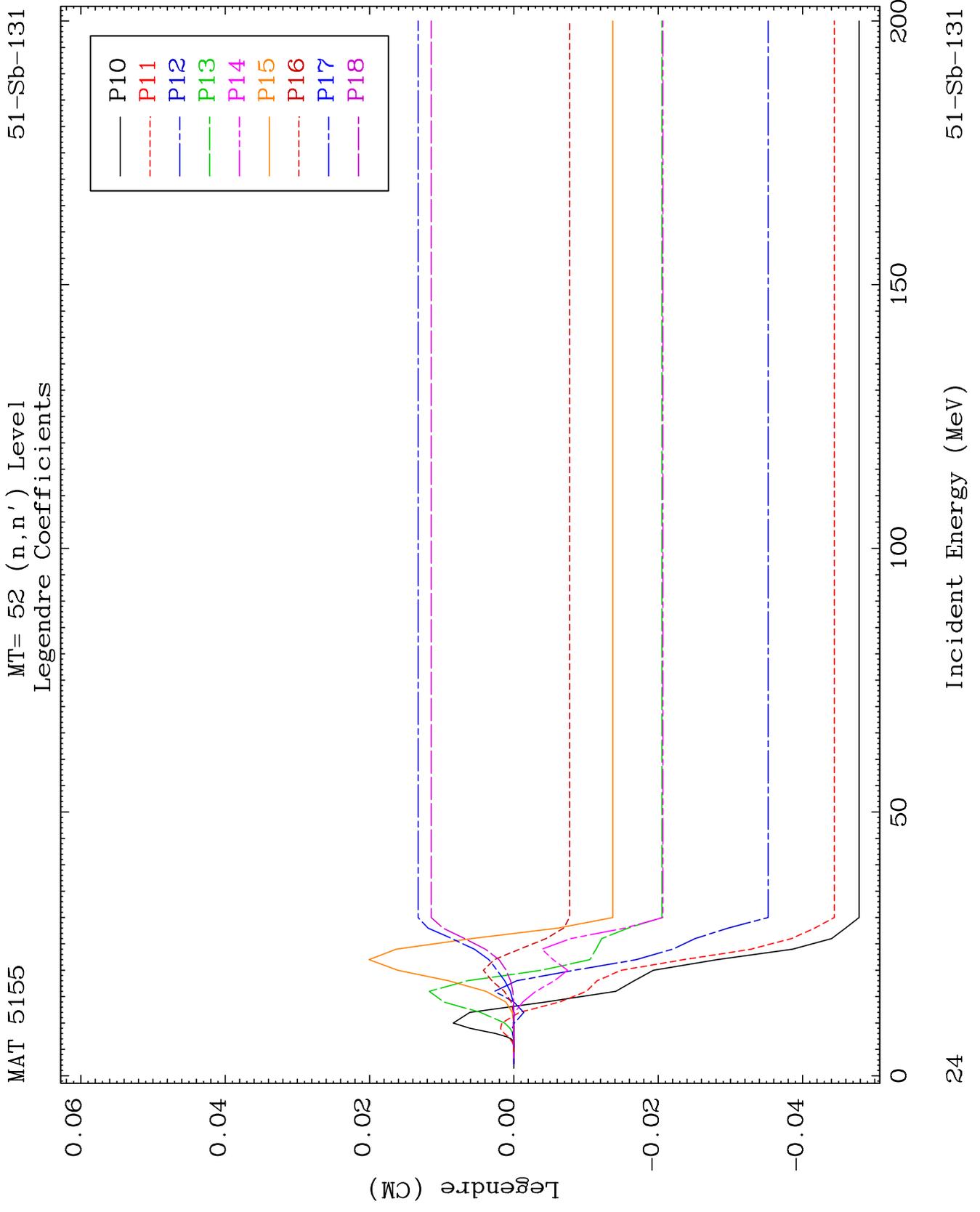
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22

51-Sb-131



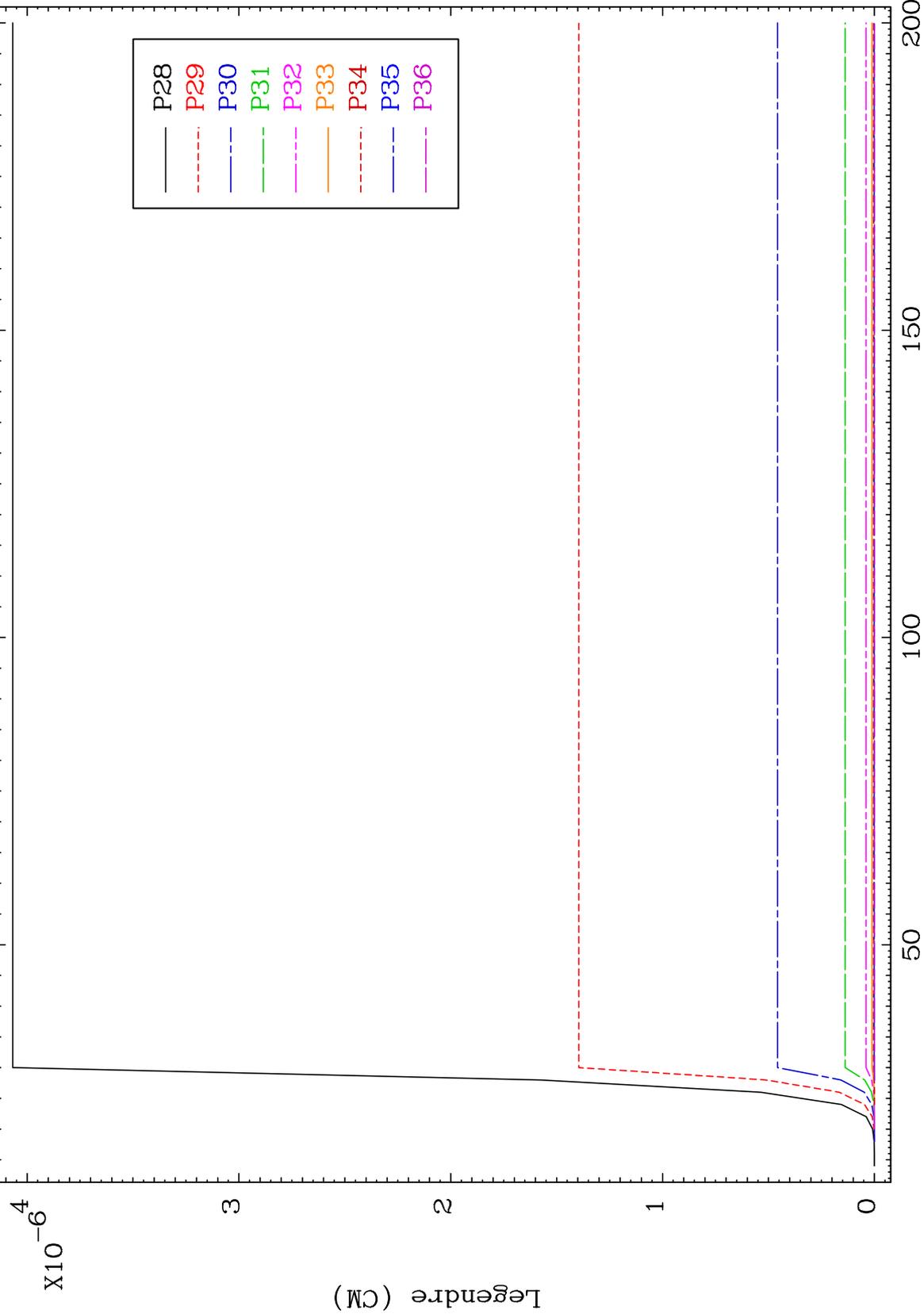




MAT 5155

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

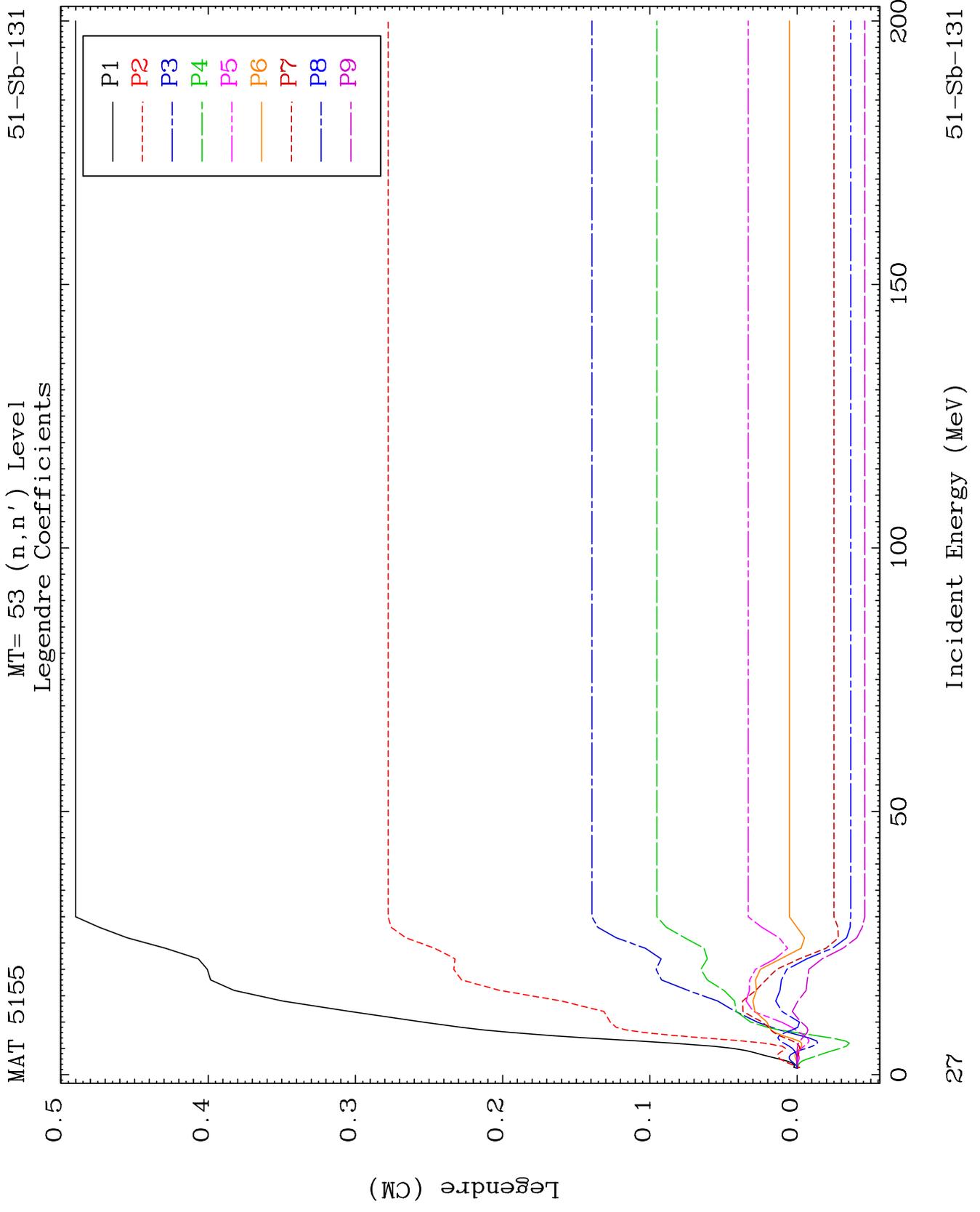
51-Sb-131



26

Incident Energy (MeV)

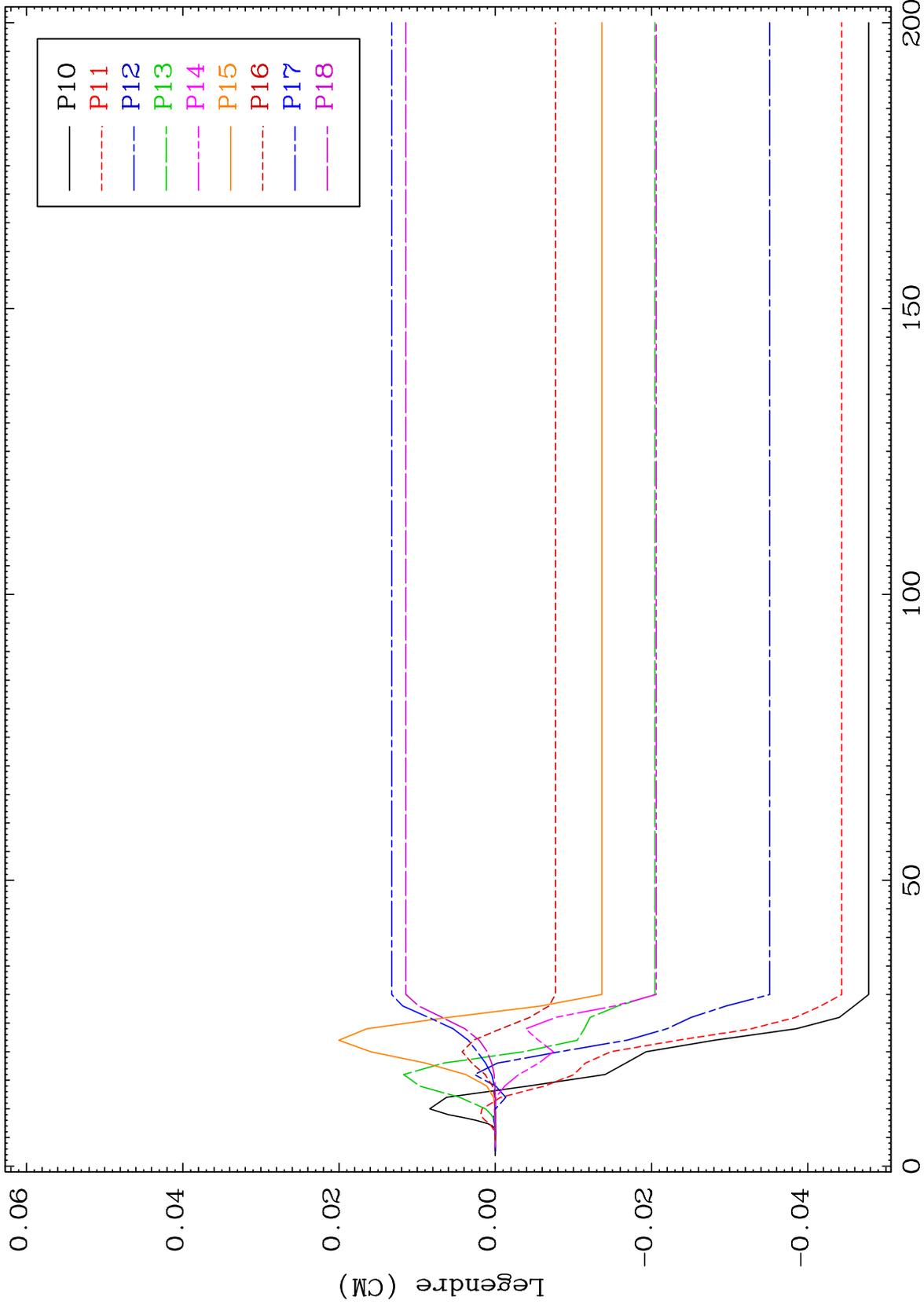
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MAT 5155

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

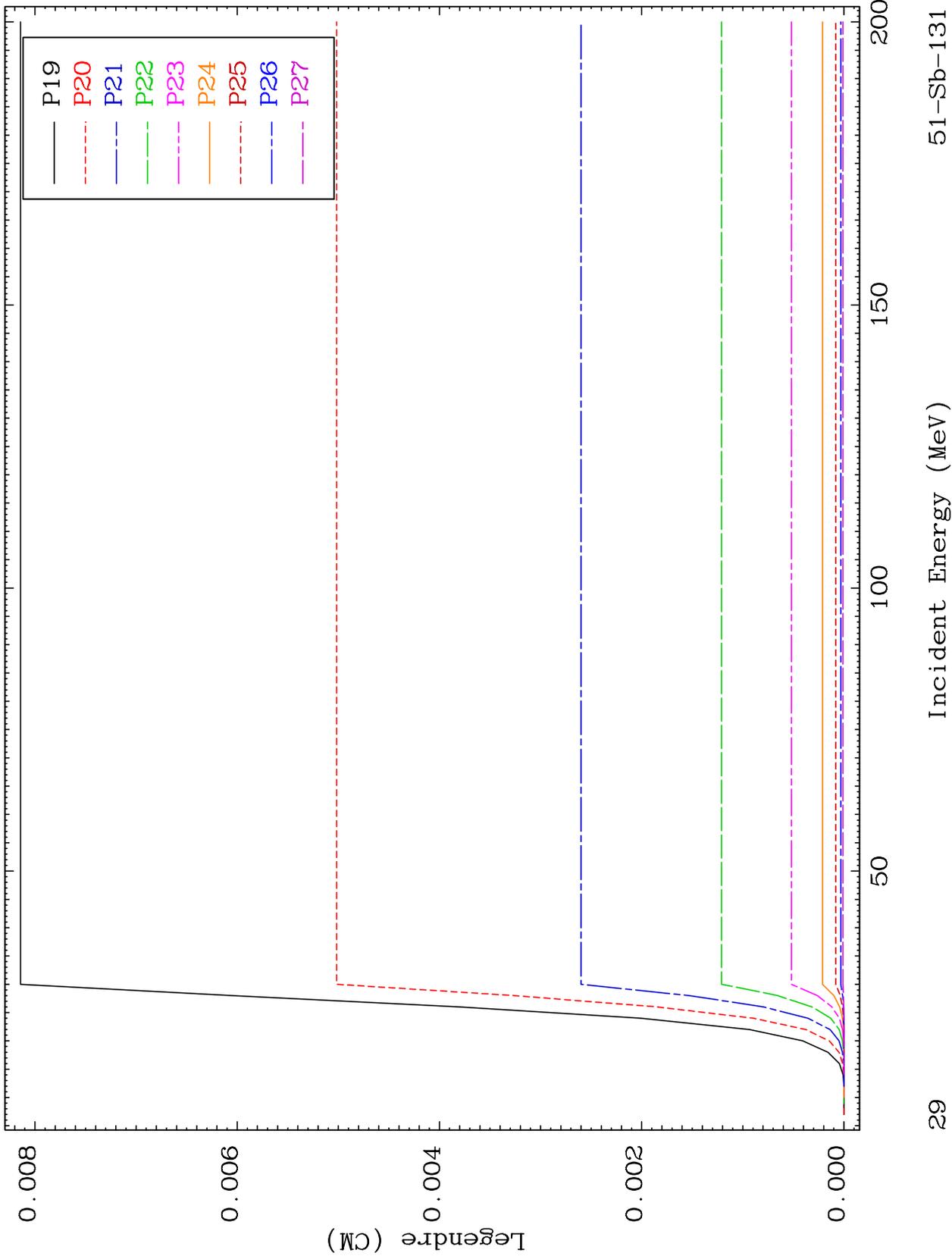
51-Sb-131



28

Incident Energy (MeV)

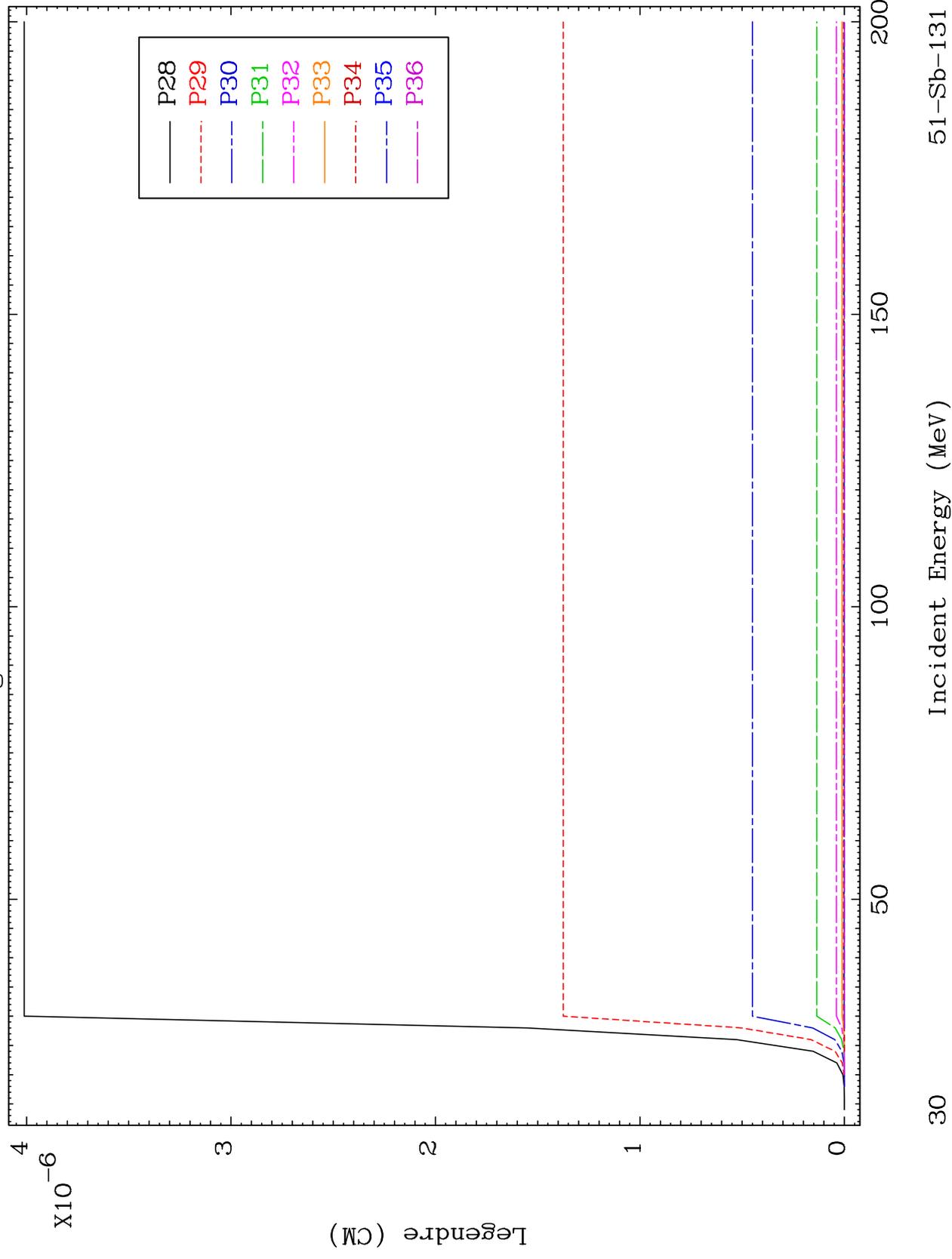
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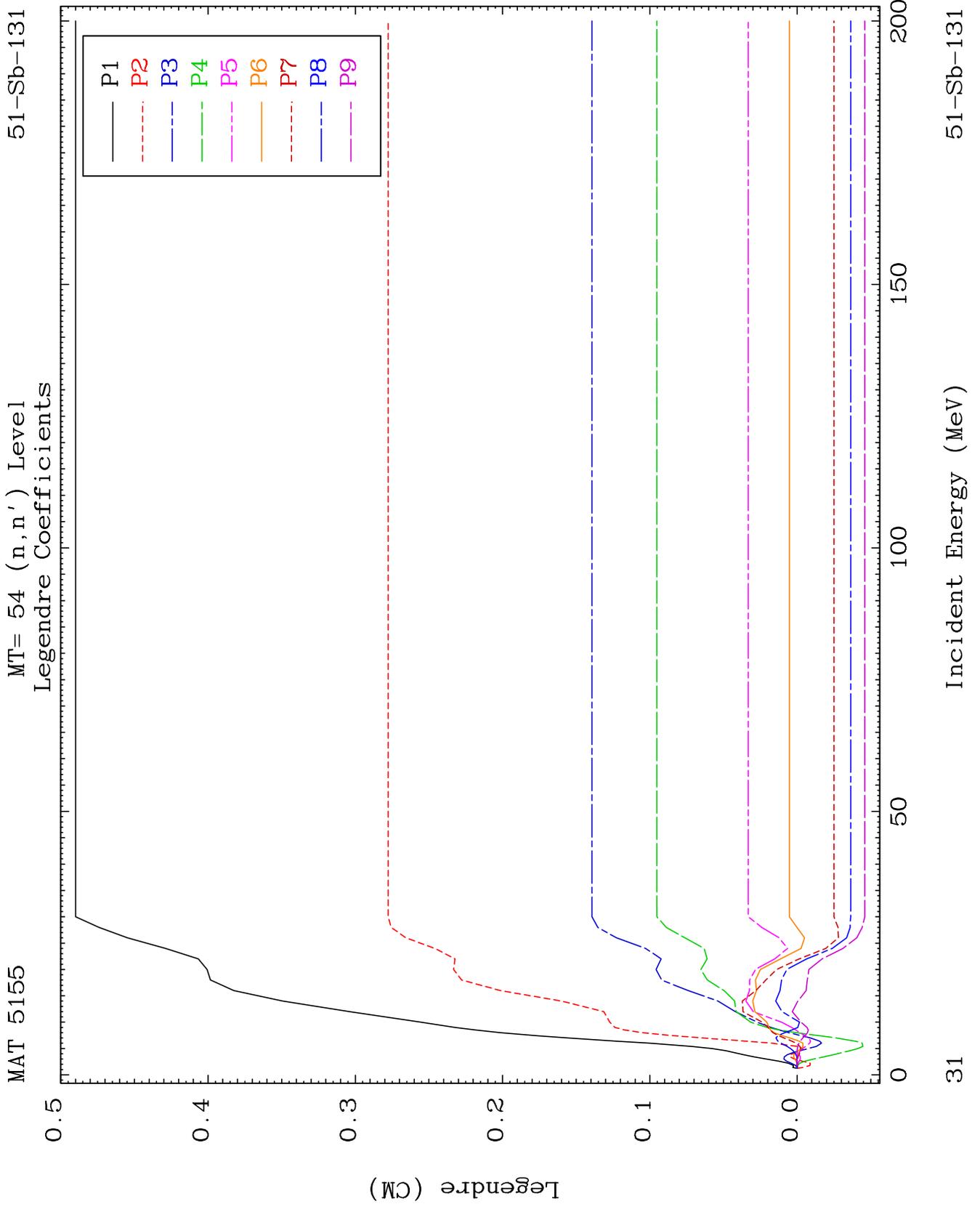


MAT 5155

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

51-Sb-131





51-Sb-131

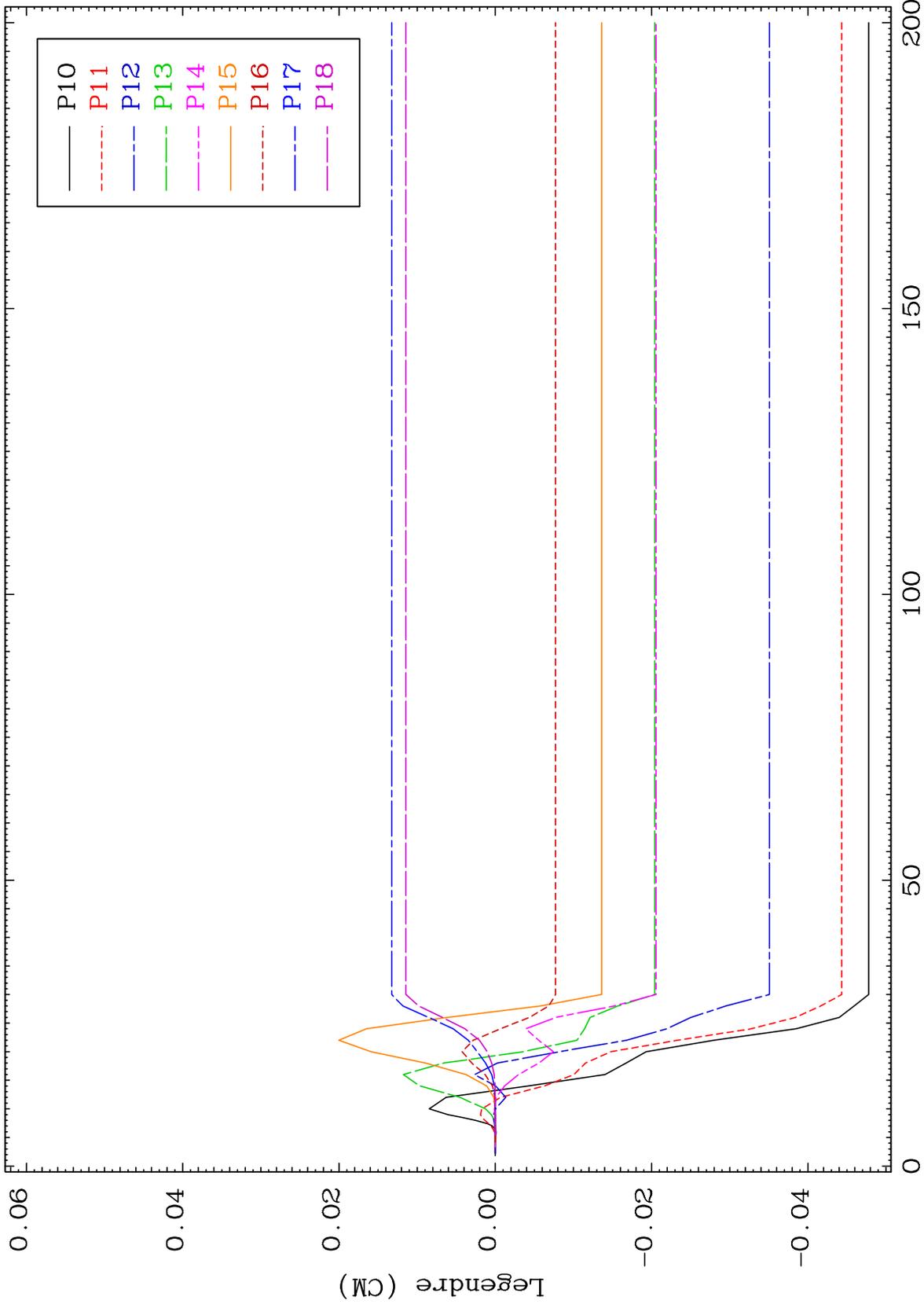
Incident Energy (MeV)

31

MAT 5155

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

51-Sb-131



32

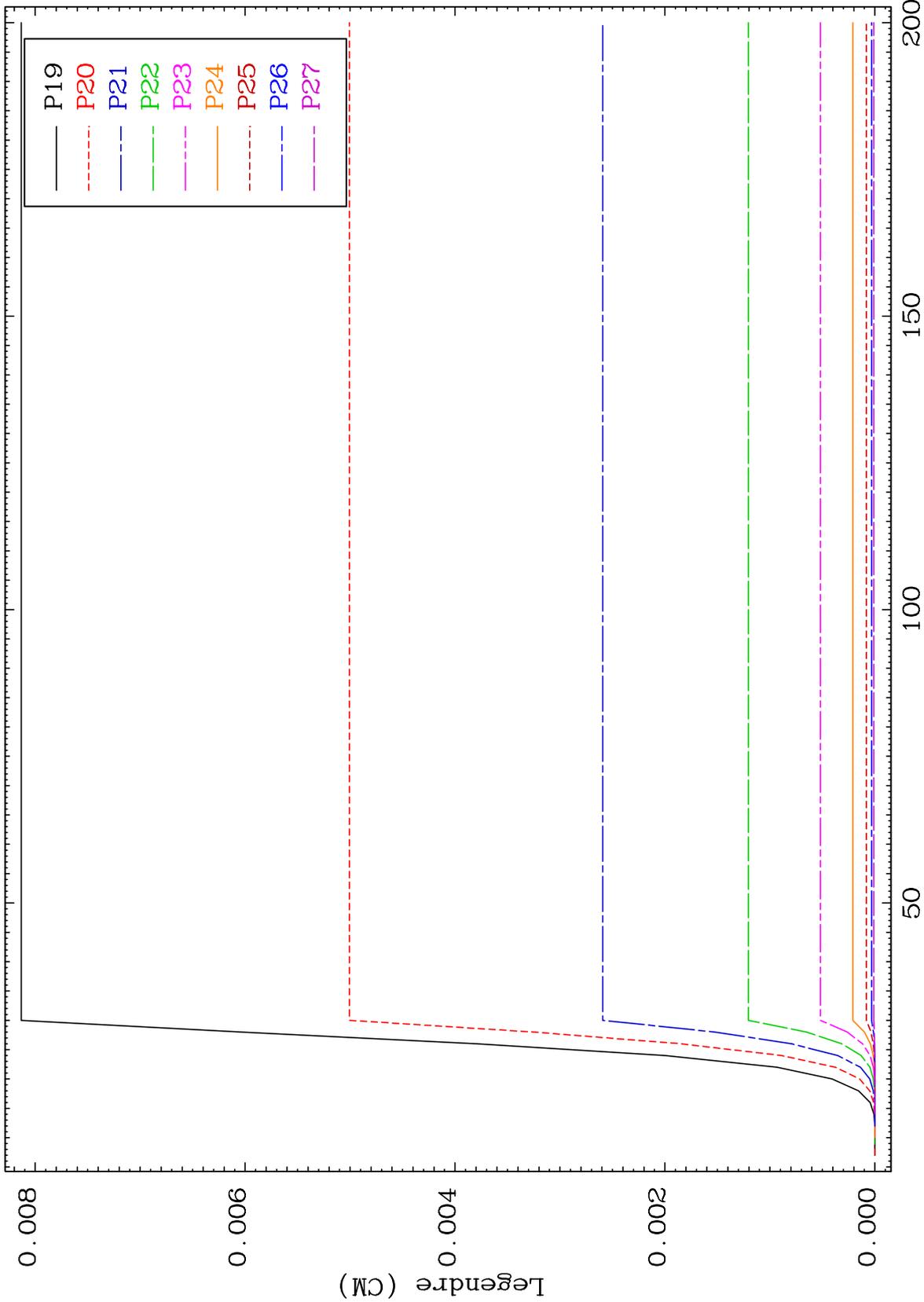
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



33

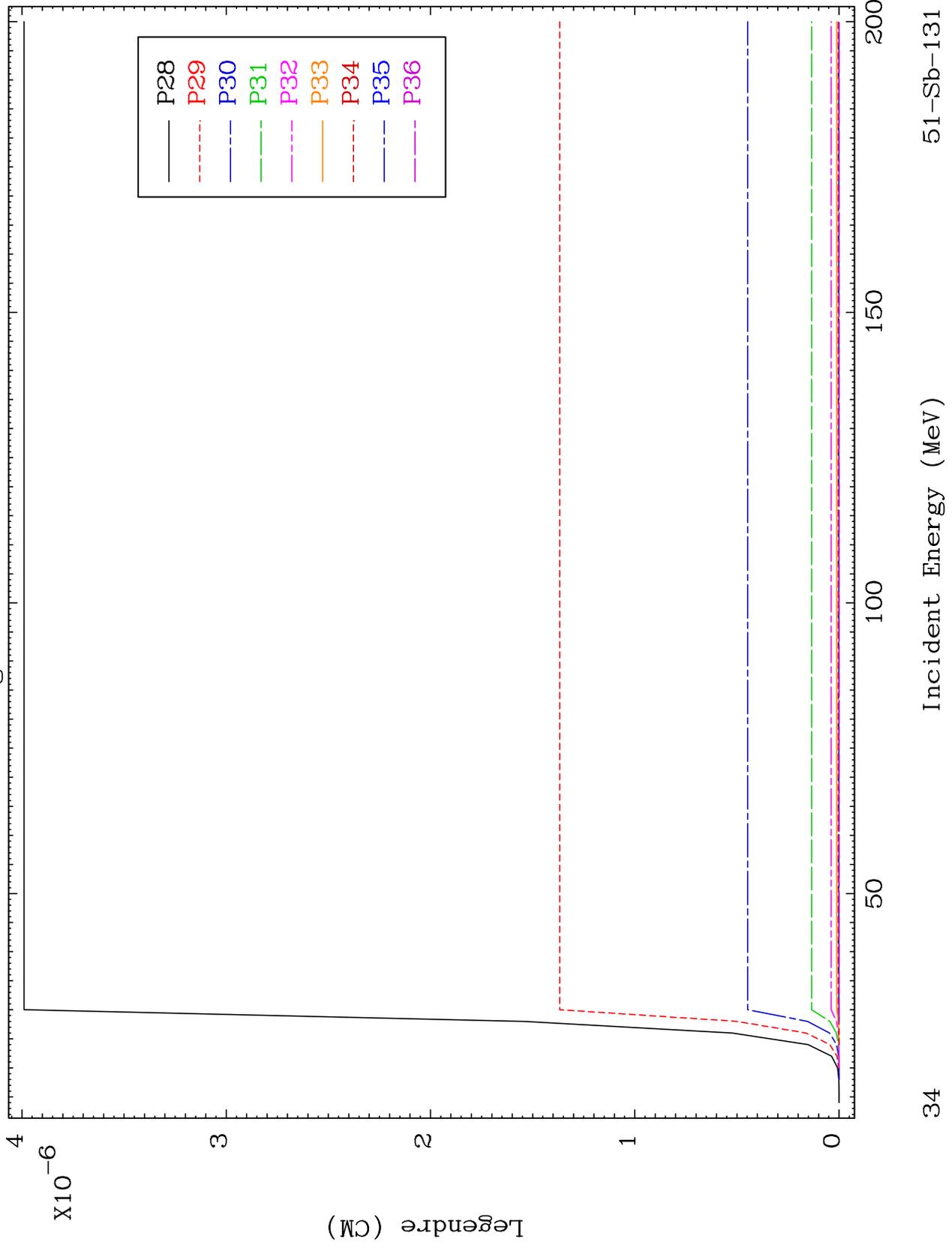
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

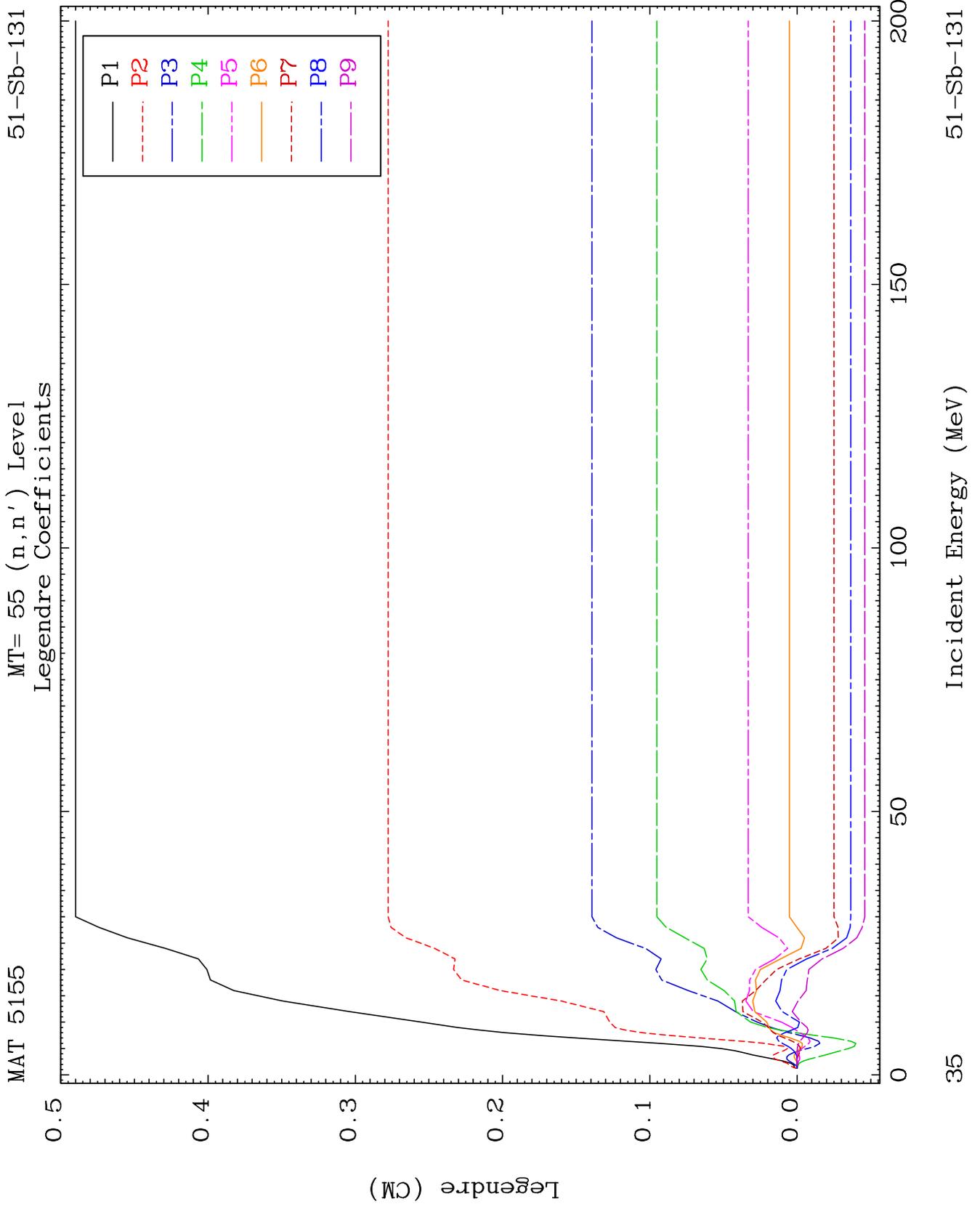
51-Sb-131



34

Incident Energy (MeV)

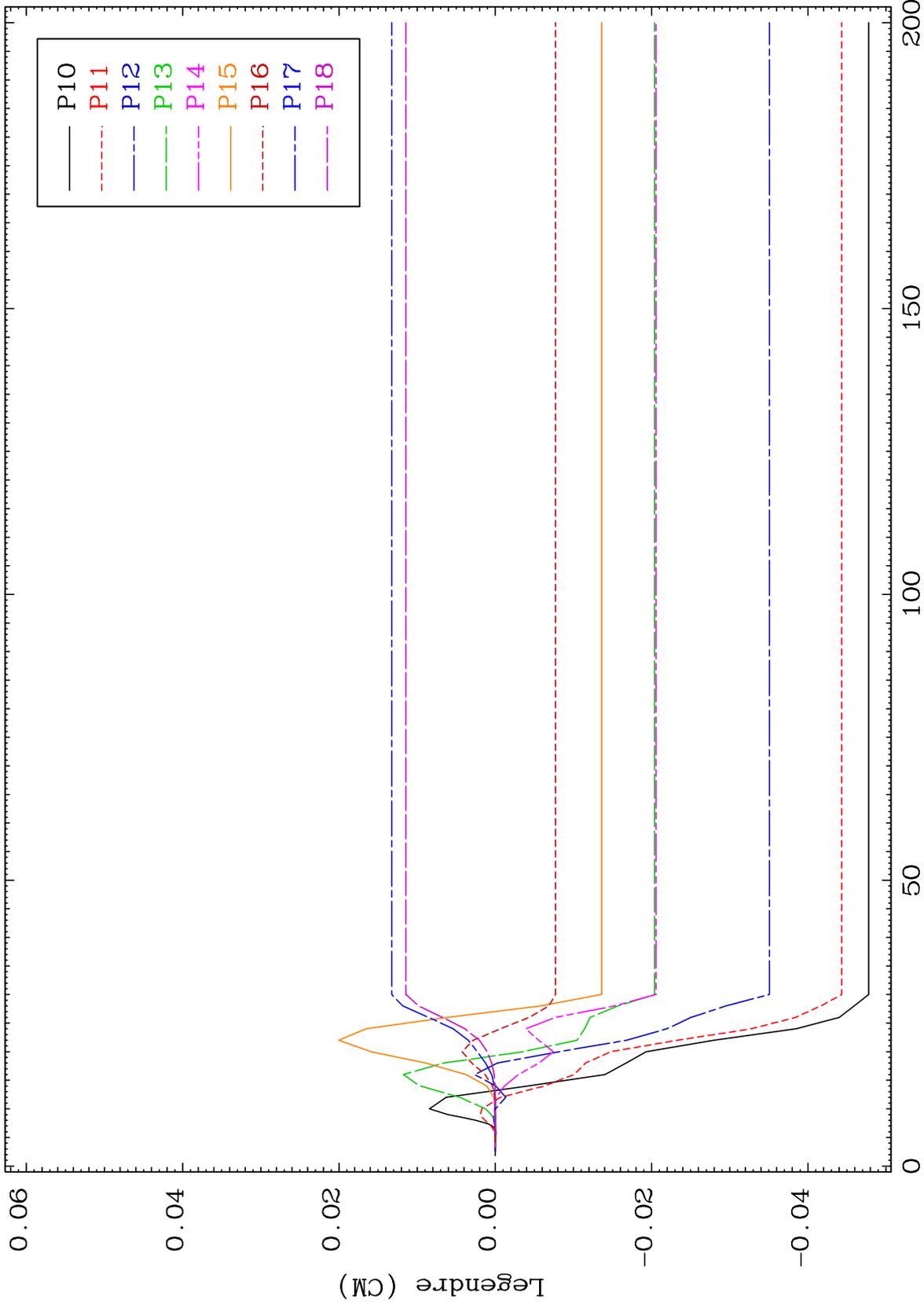
51-Sb-131



MAT 5155

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

51-Sb-131



36

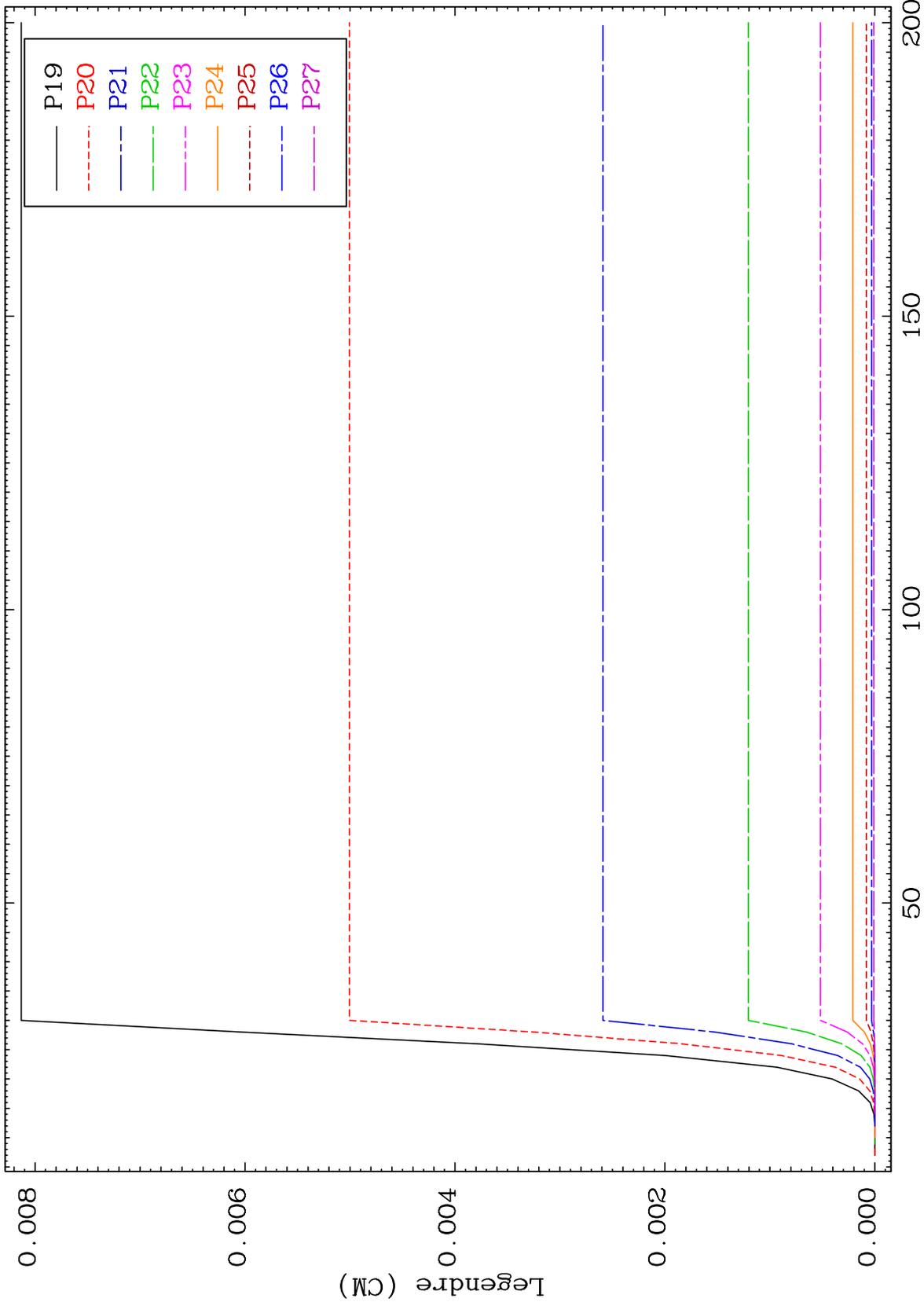
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



37

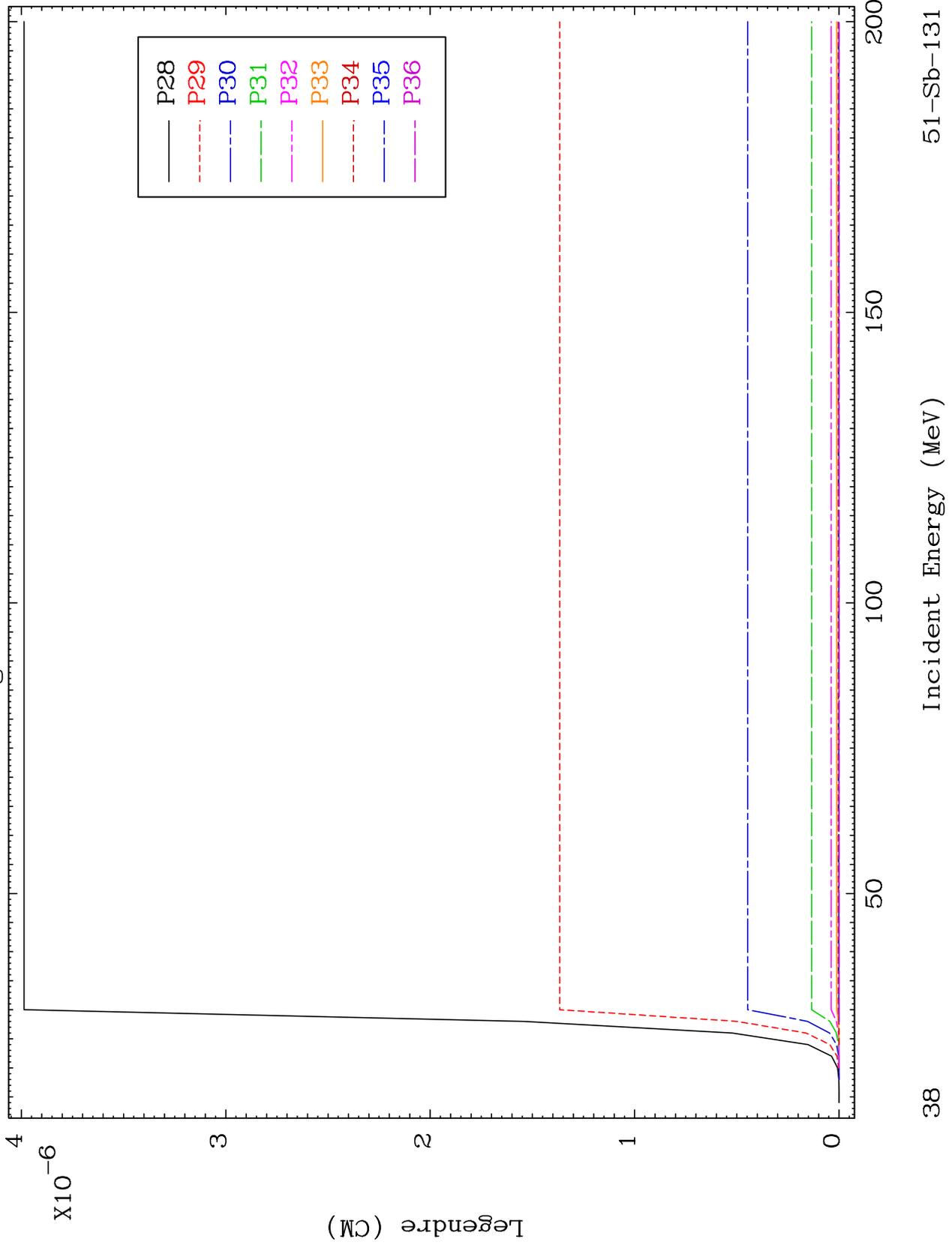
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



38

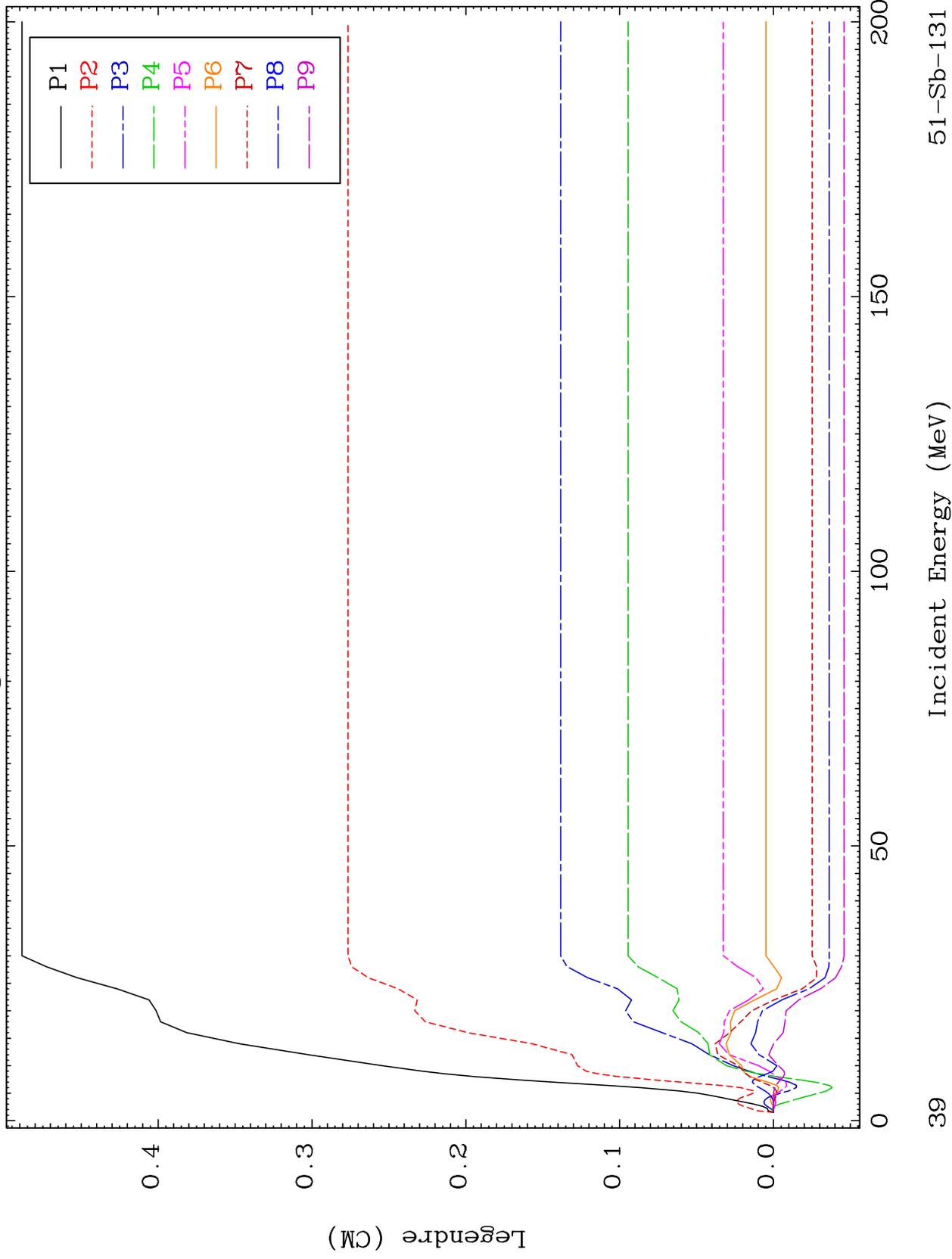
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



39

51-Sb-131

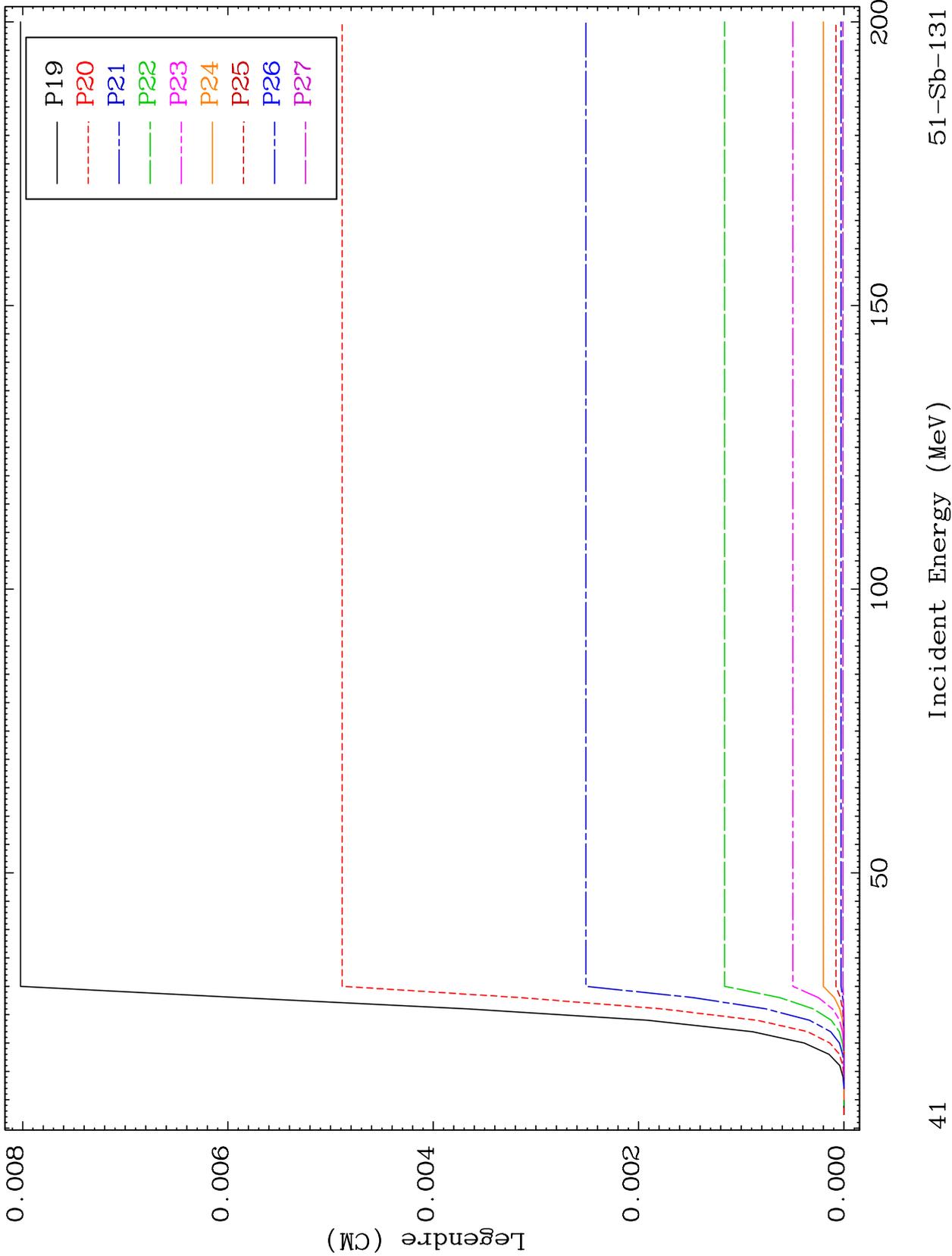


MAT 5155

MT= 56 (n,n') Level

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Legendre Coefficients



41

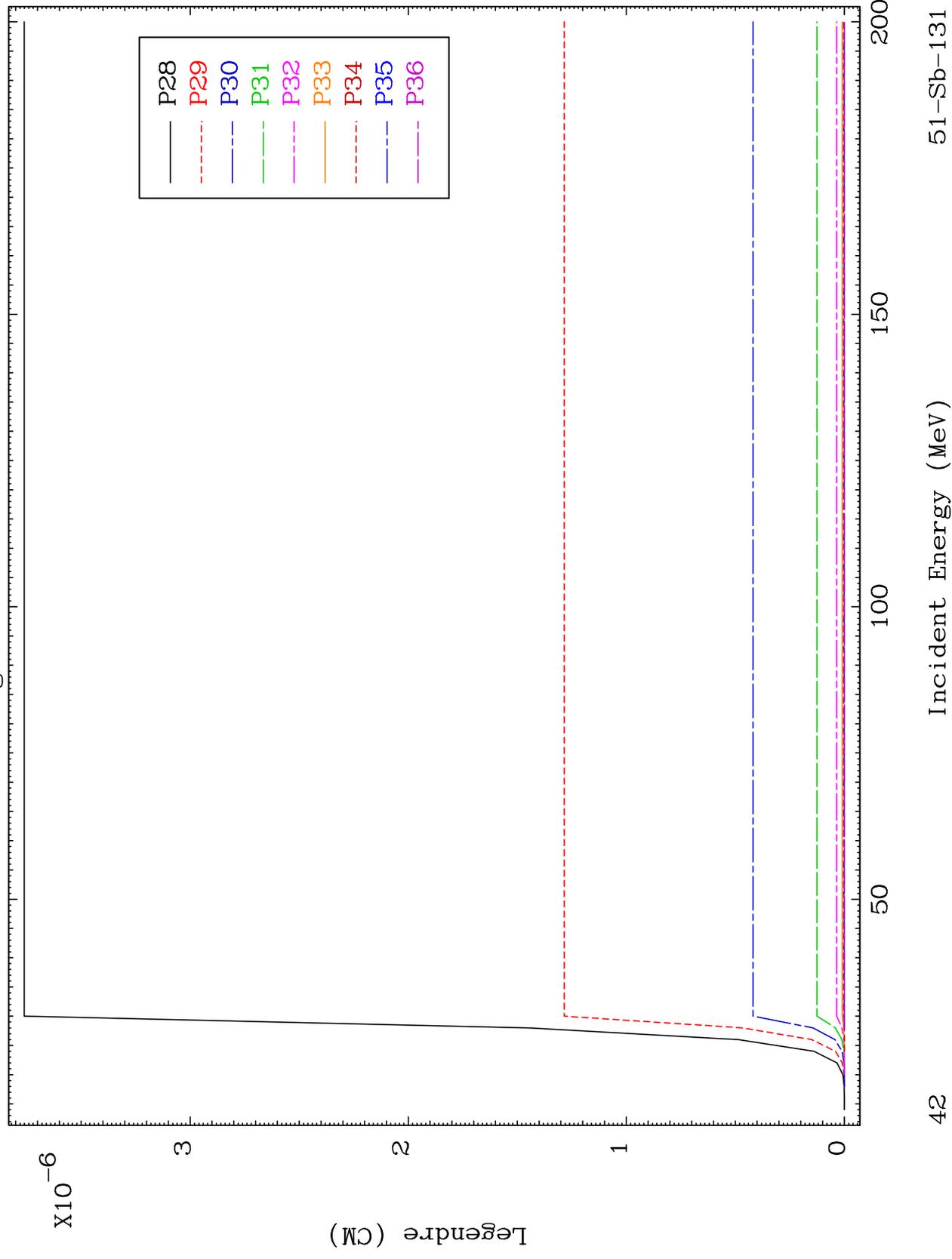
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



42

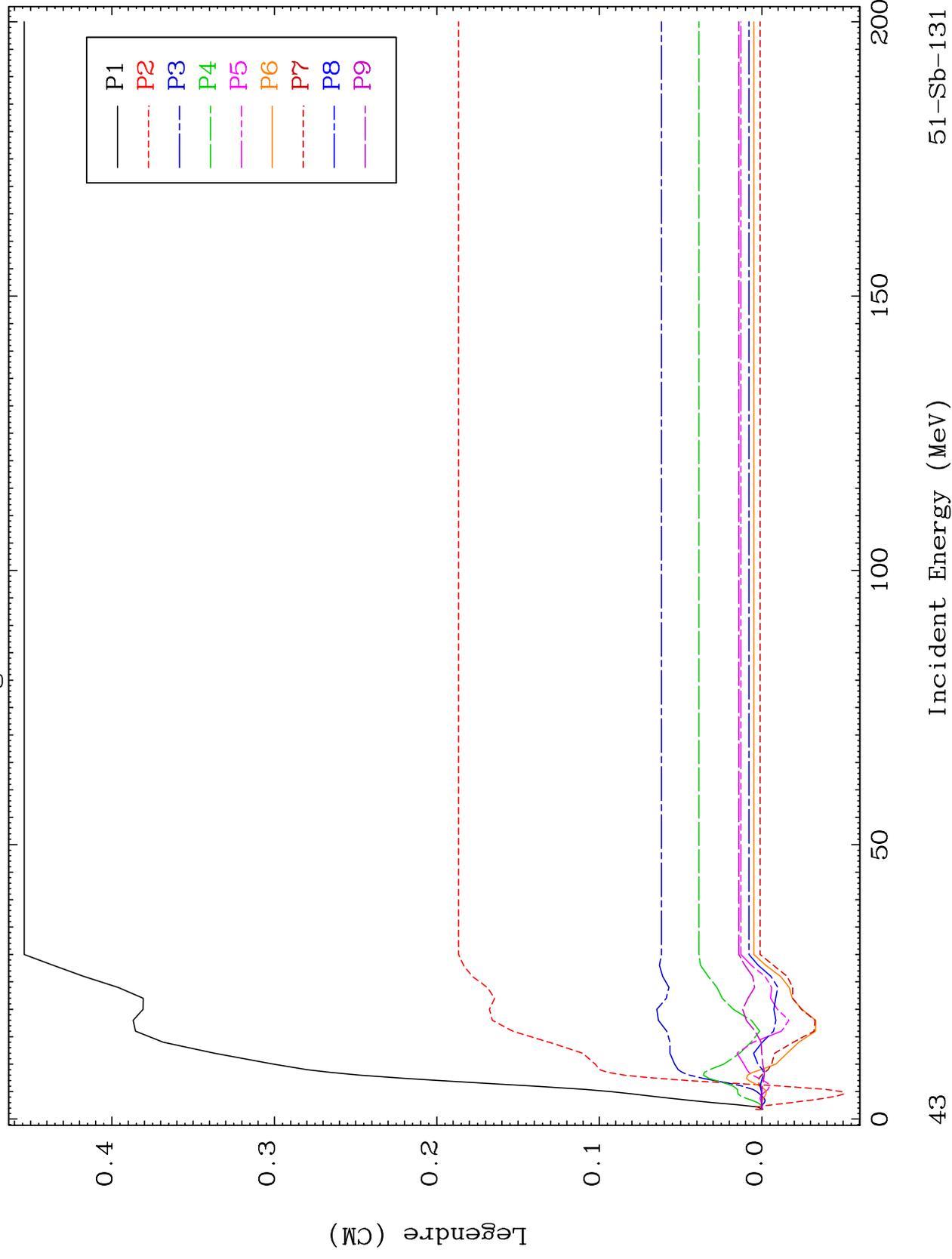
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

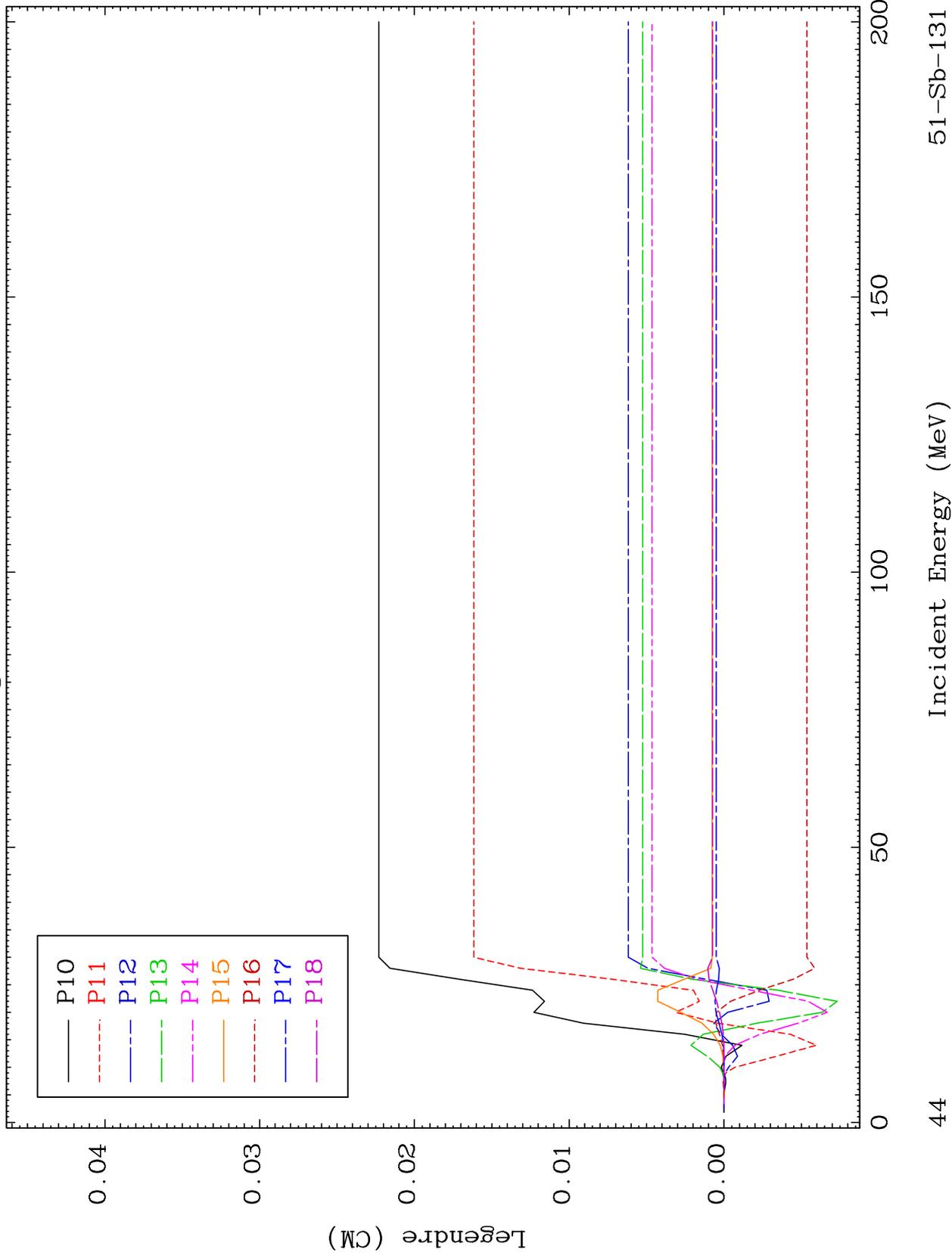
Incident Energy (MeV)

43

MAT 5155

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

51-Sb-131



44

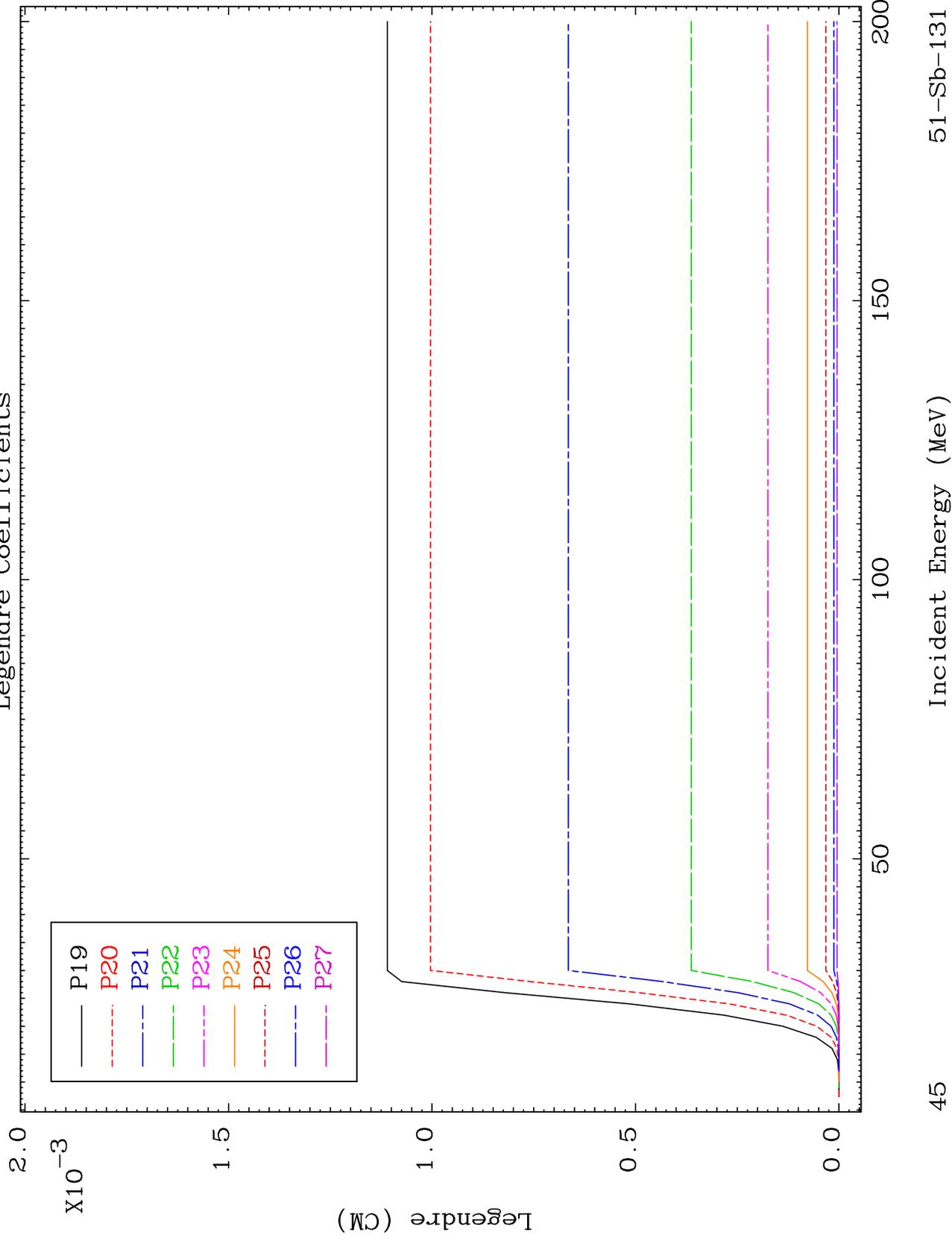
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



45

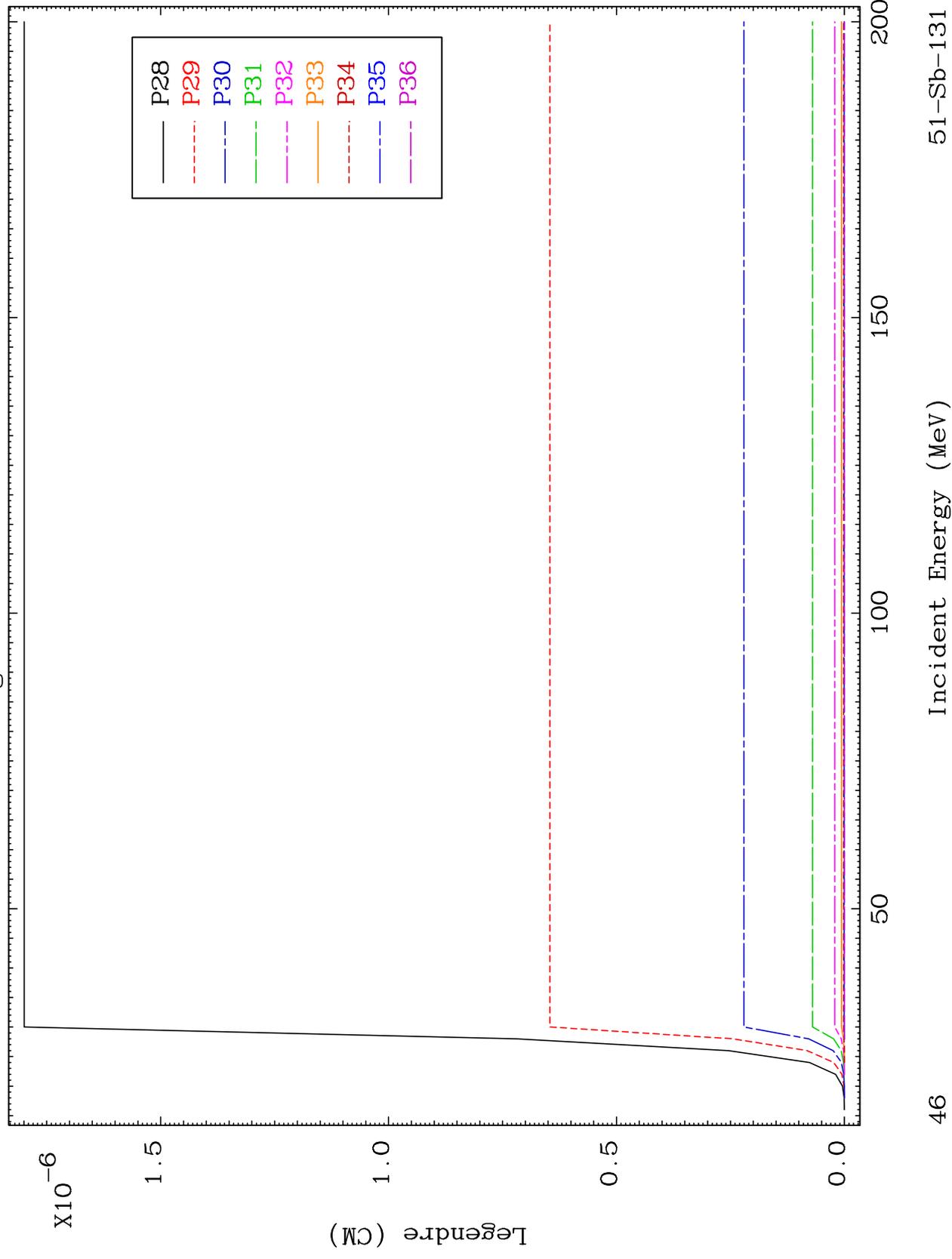
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



46

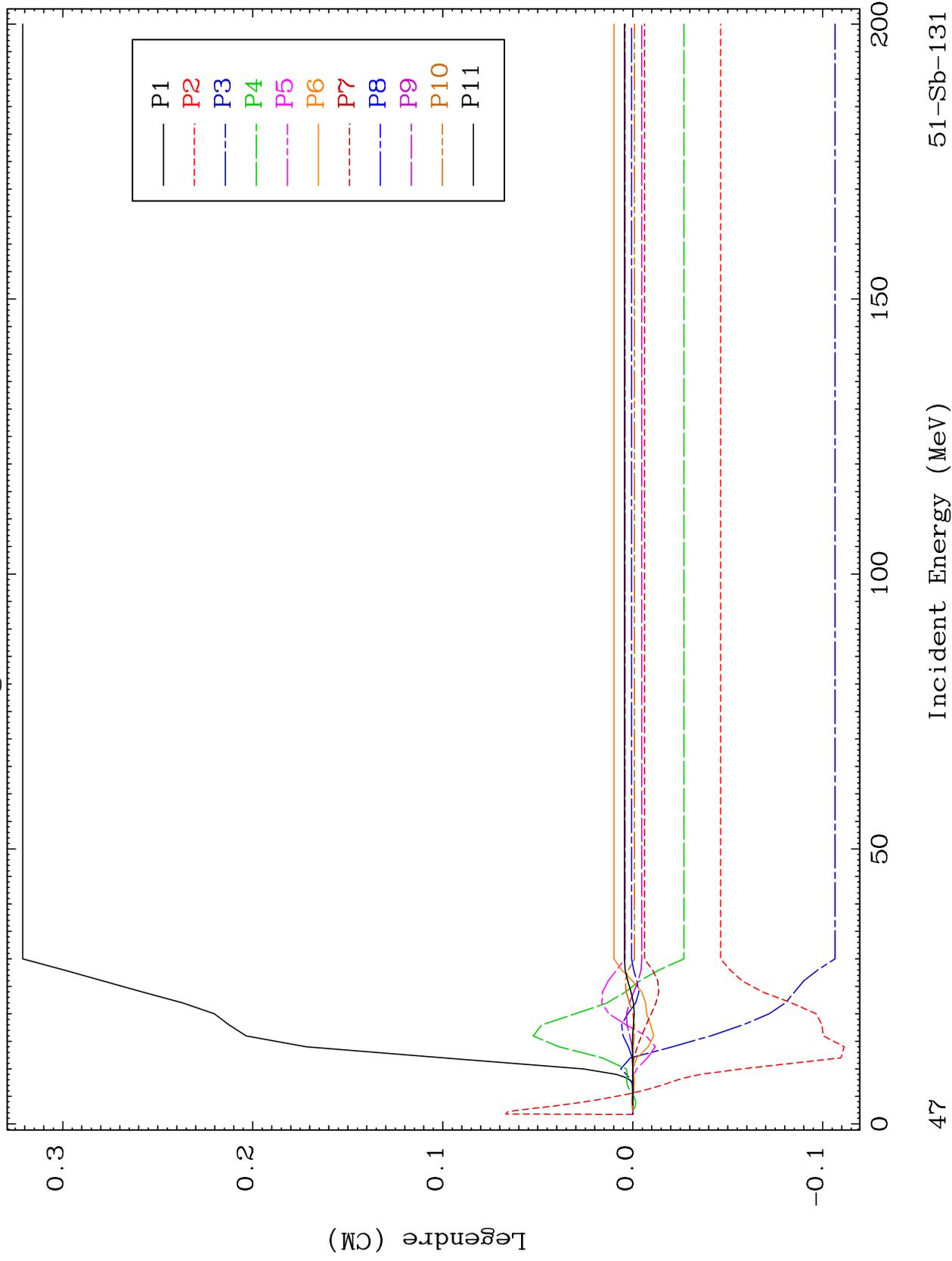
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

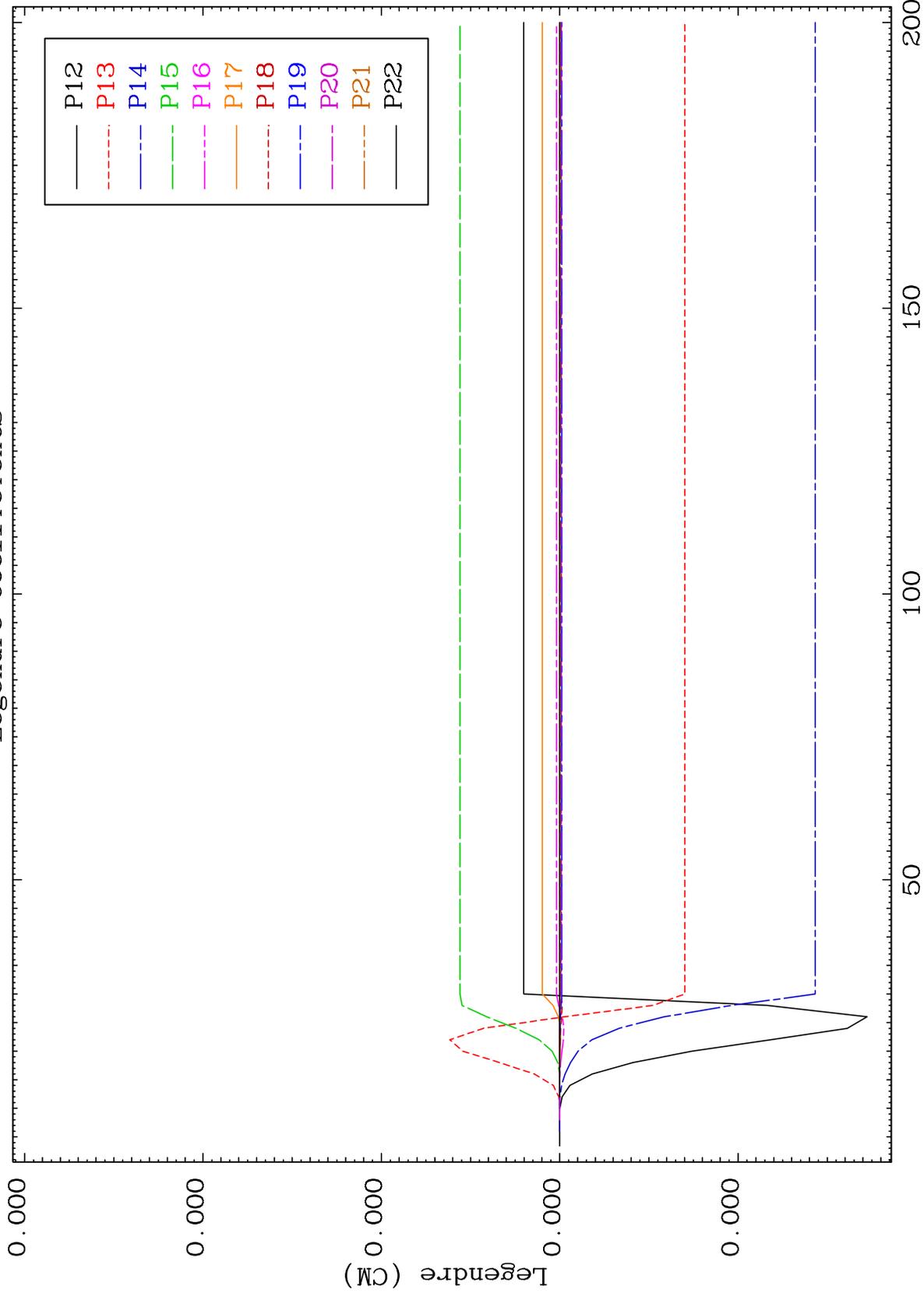
51-Sb-131



MAT 5155

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

51-Sb-131



48

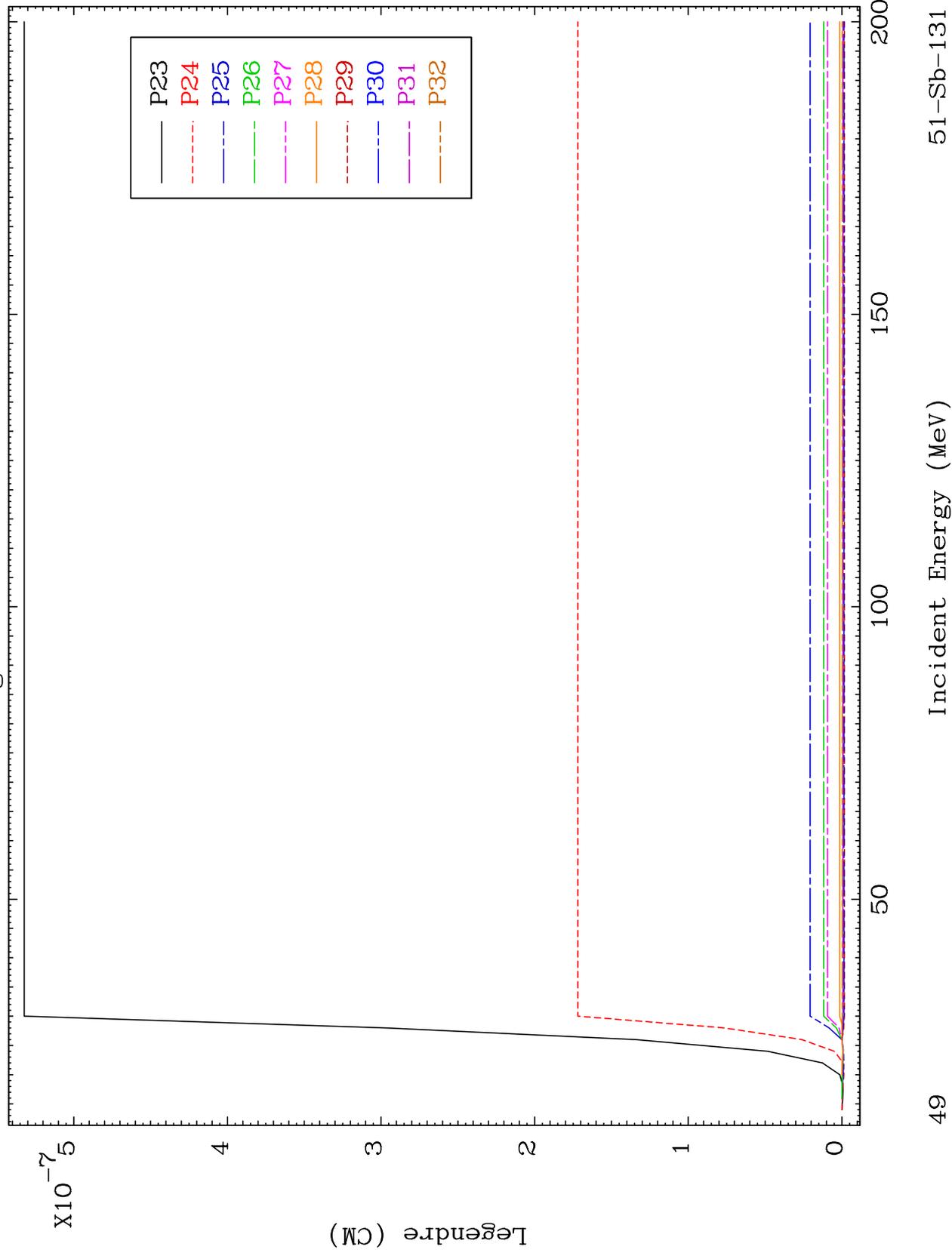
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

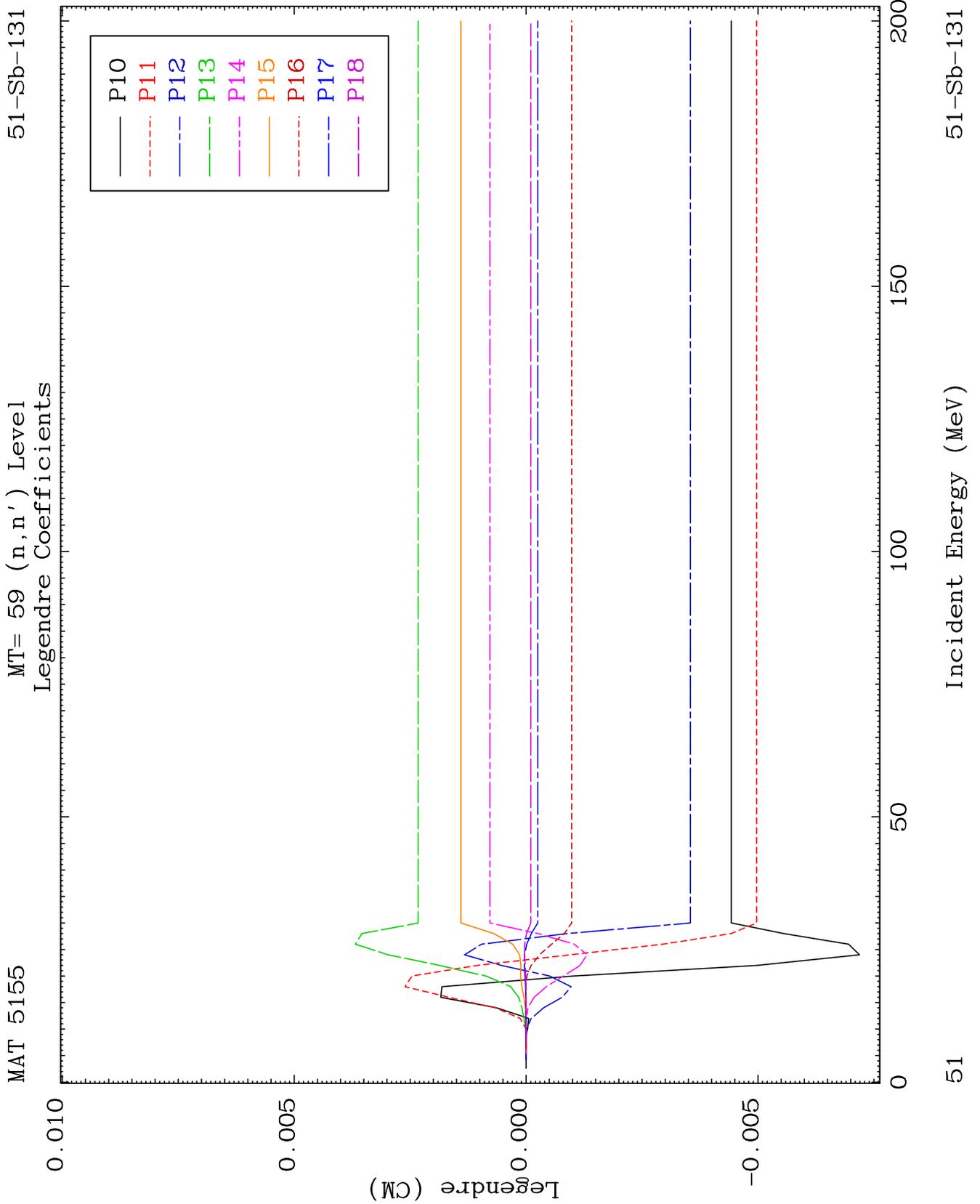


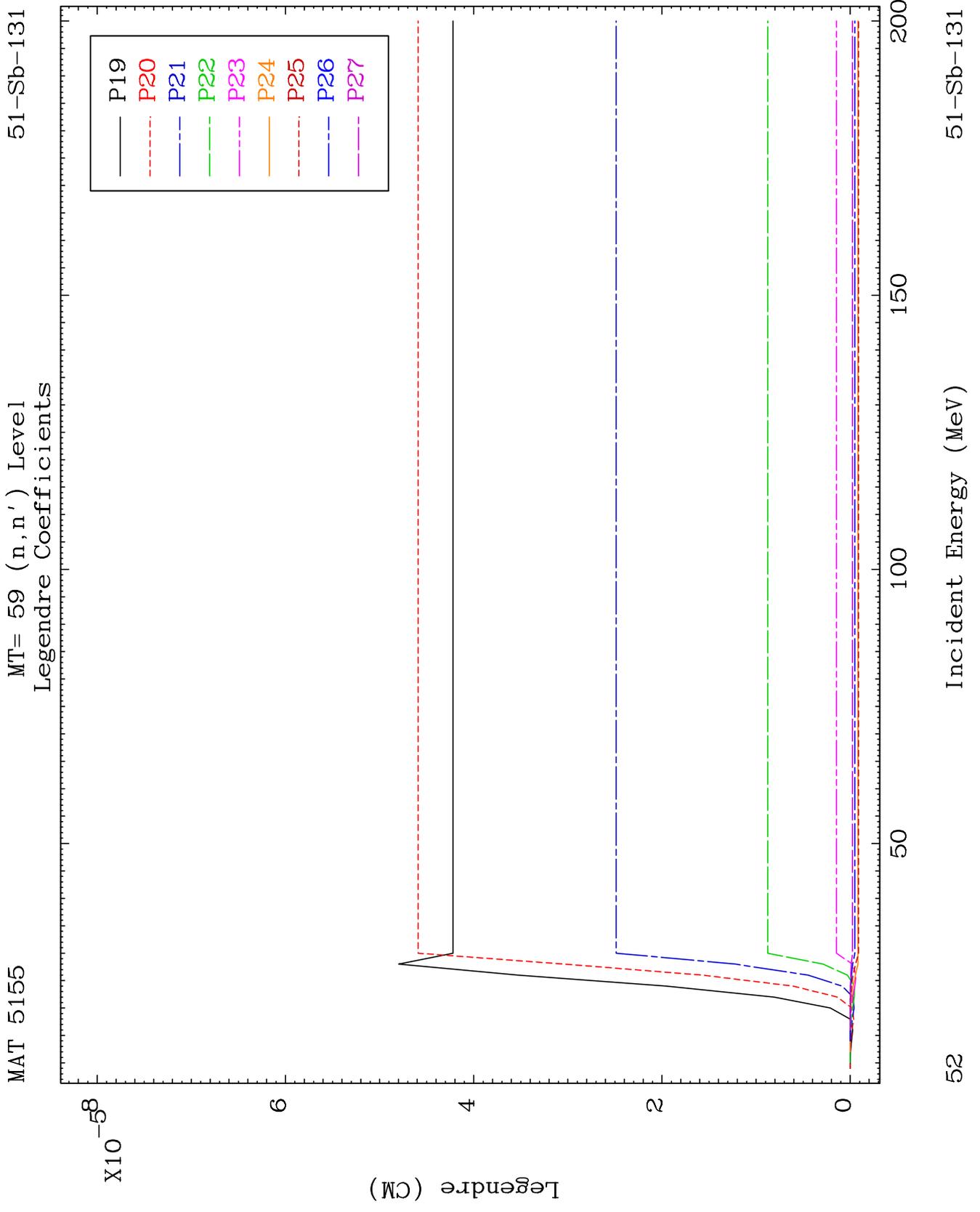
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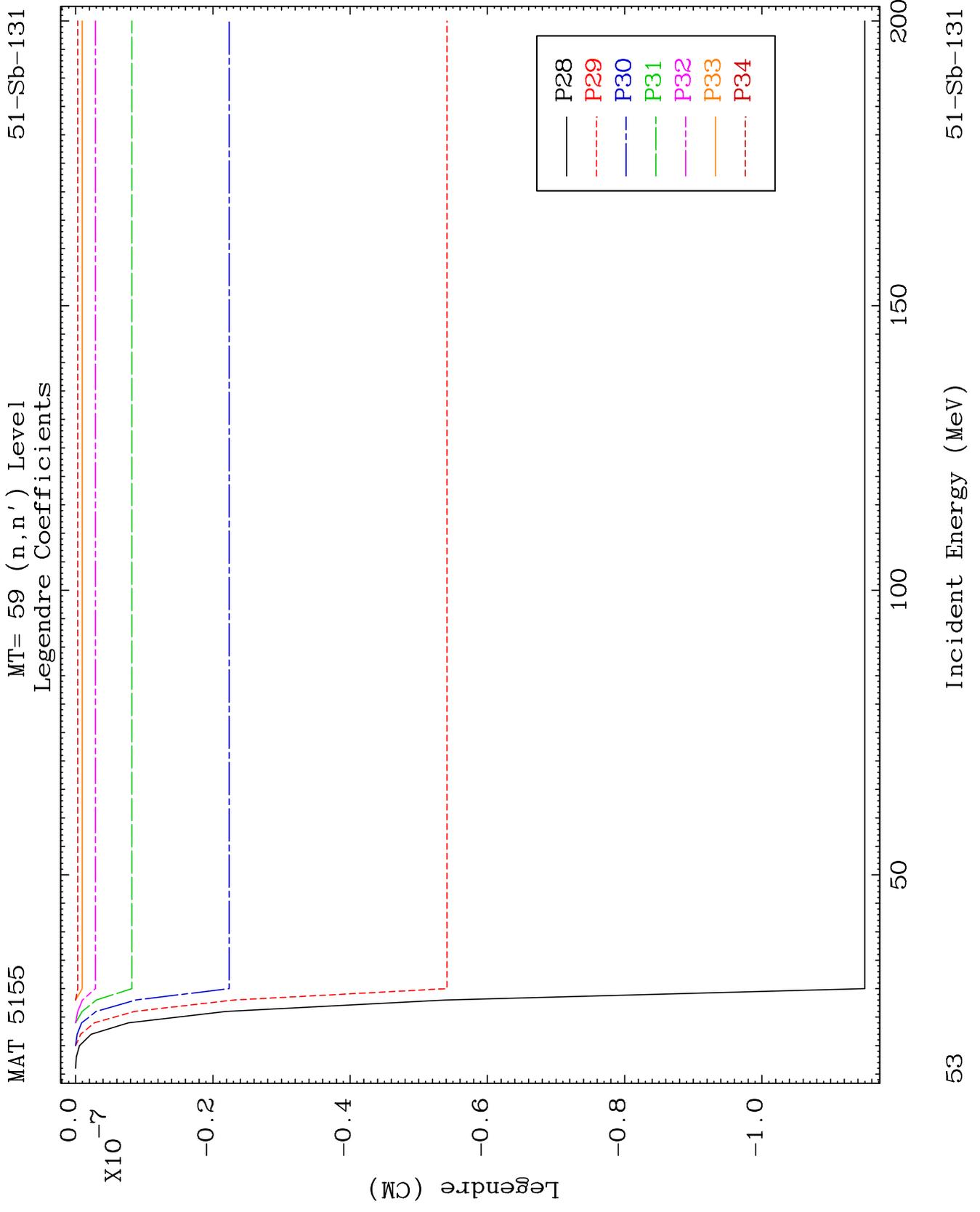
Incident Energy (MeV)

51-Sb-131





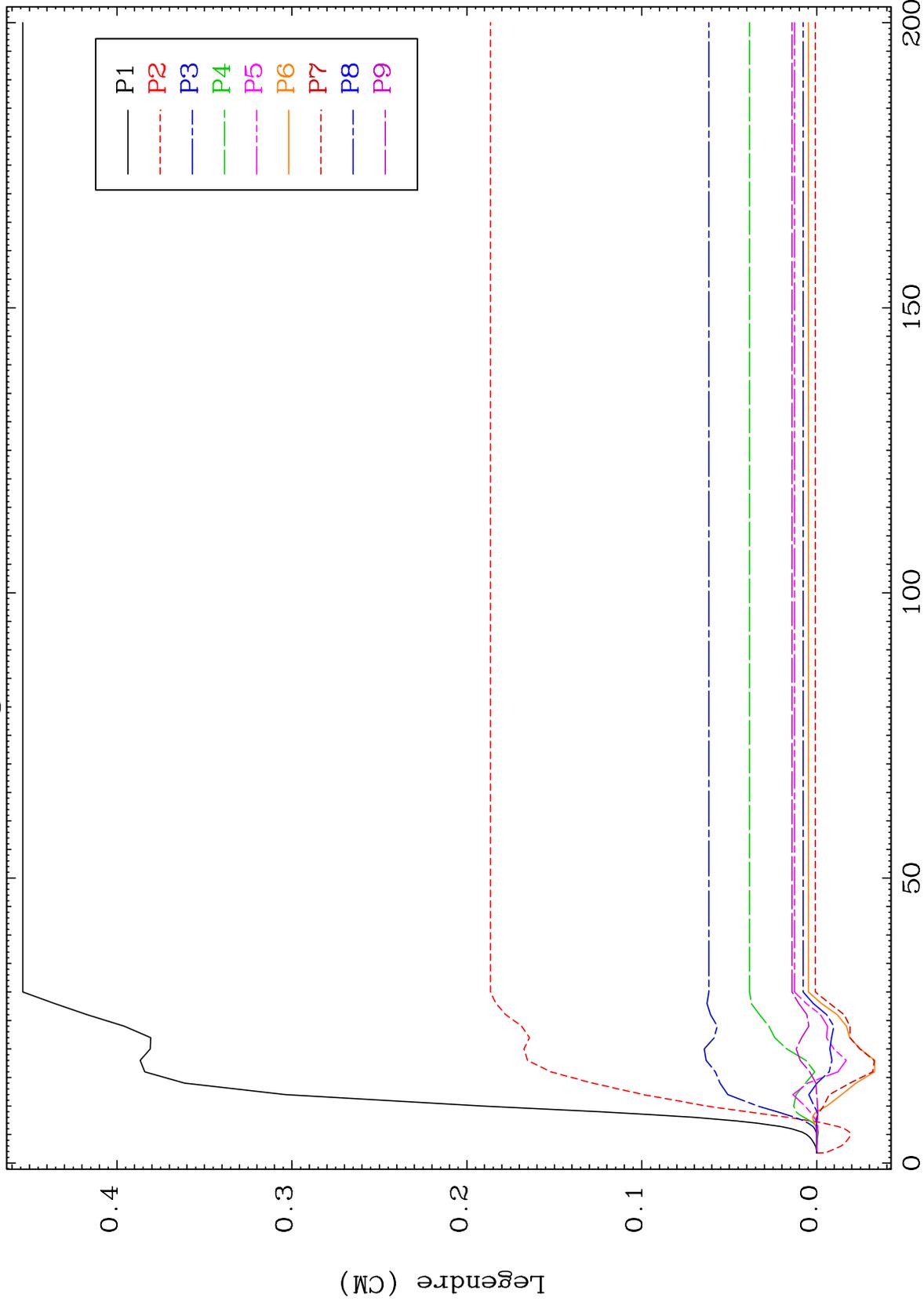




MAT 5155

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

51-Sb-131



54

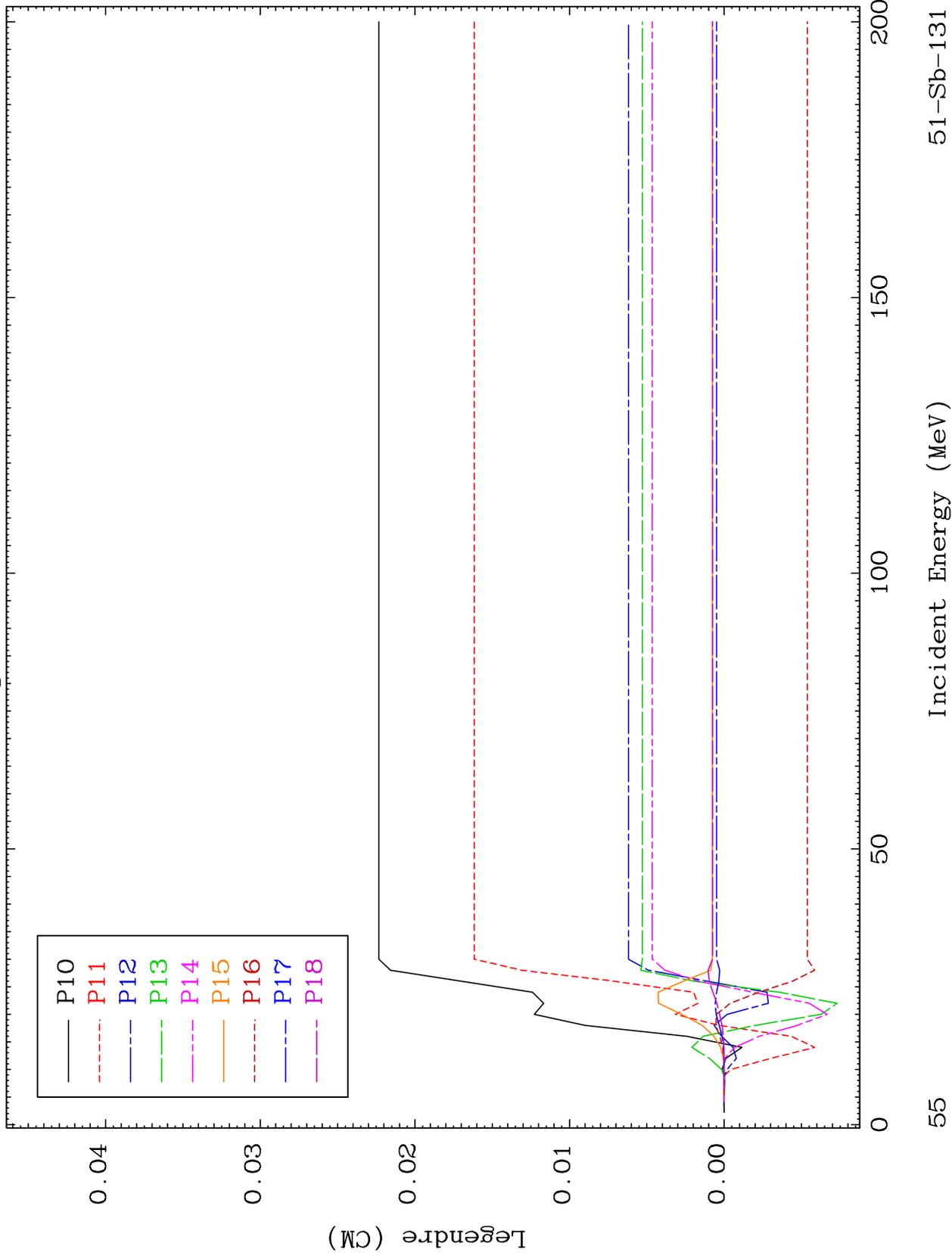
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



55

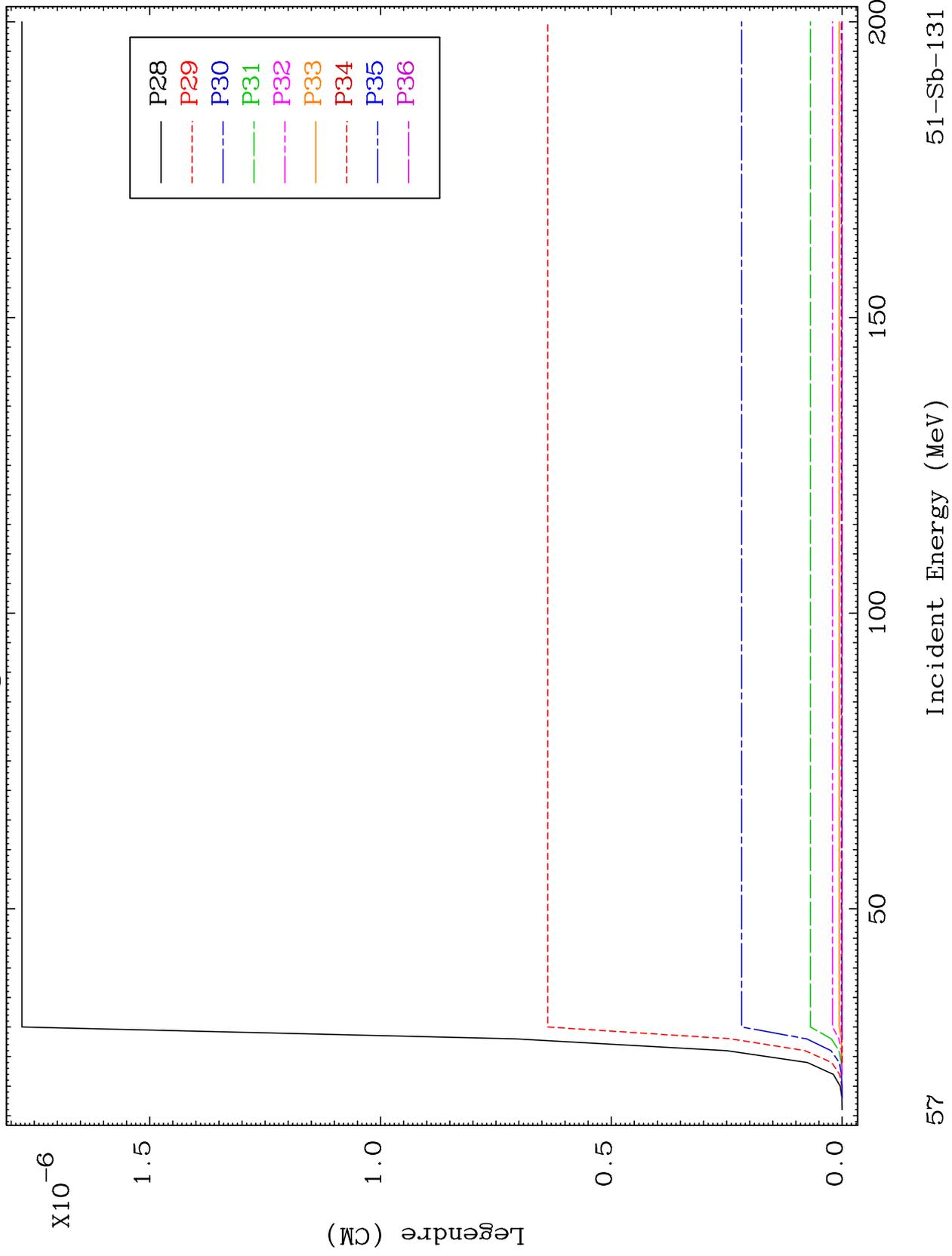
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MAT 5155

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

51-Sb-131



57

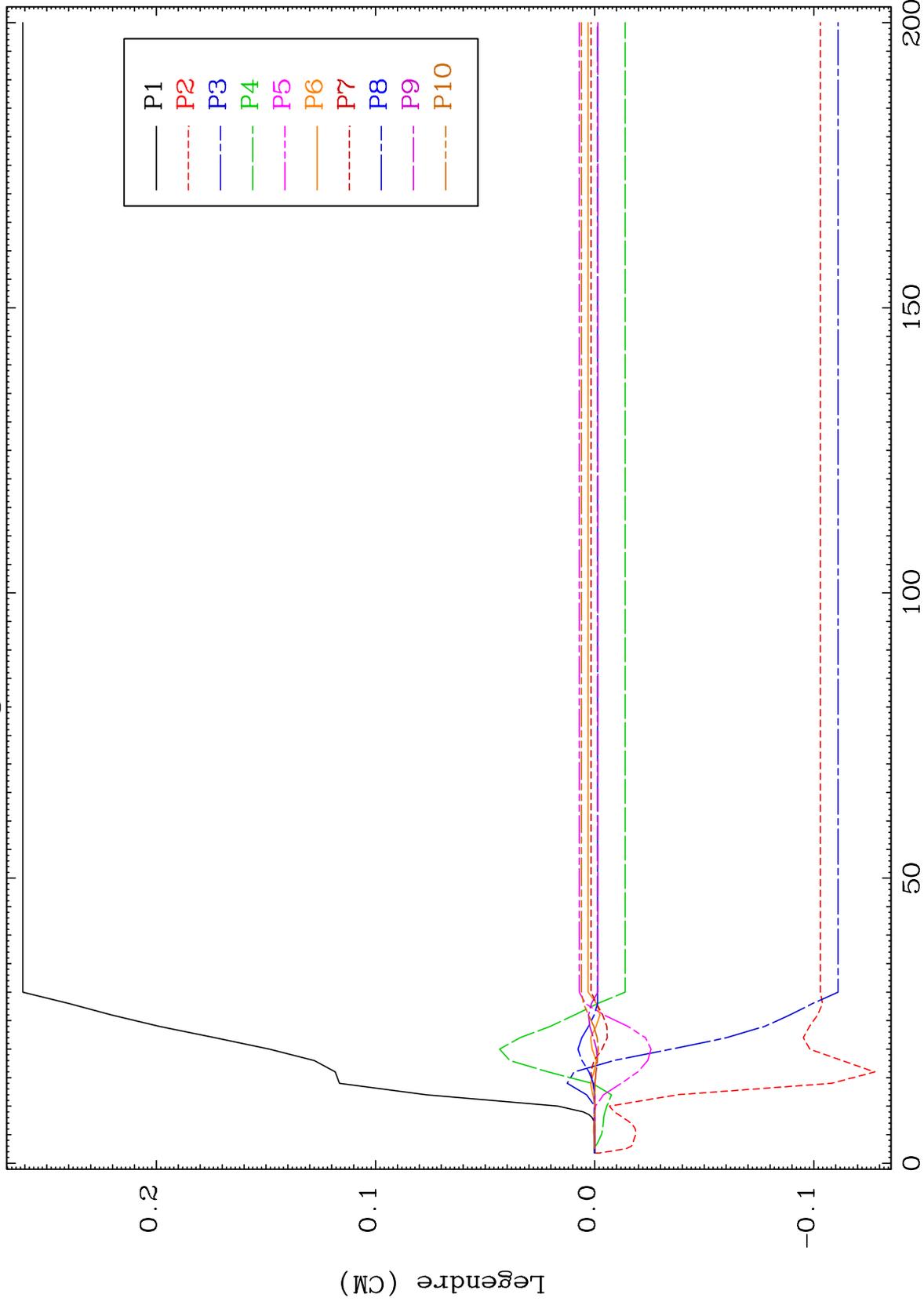
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

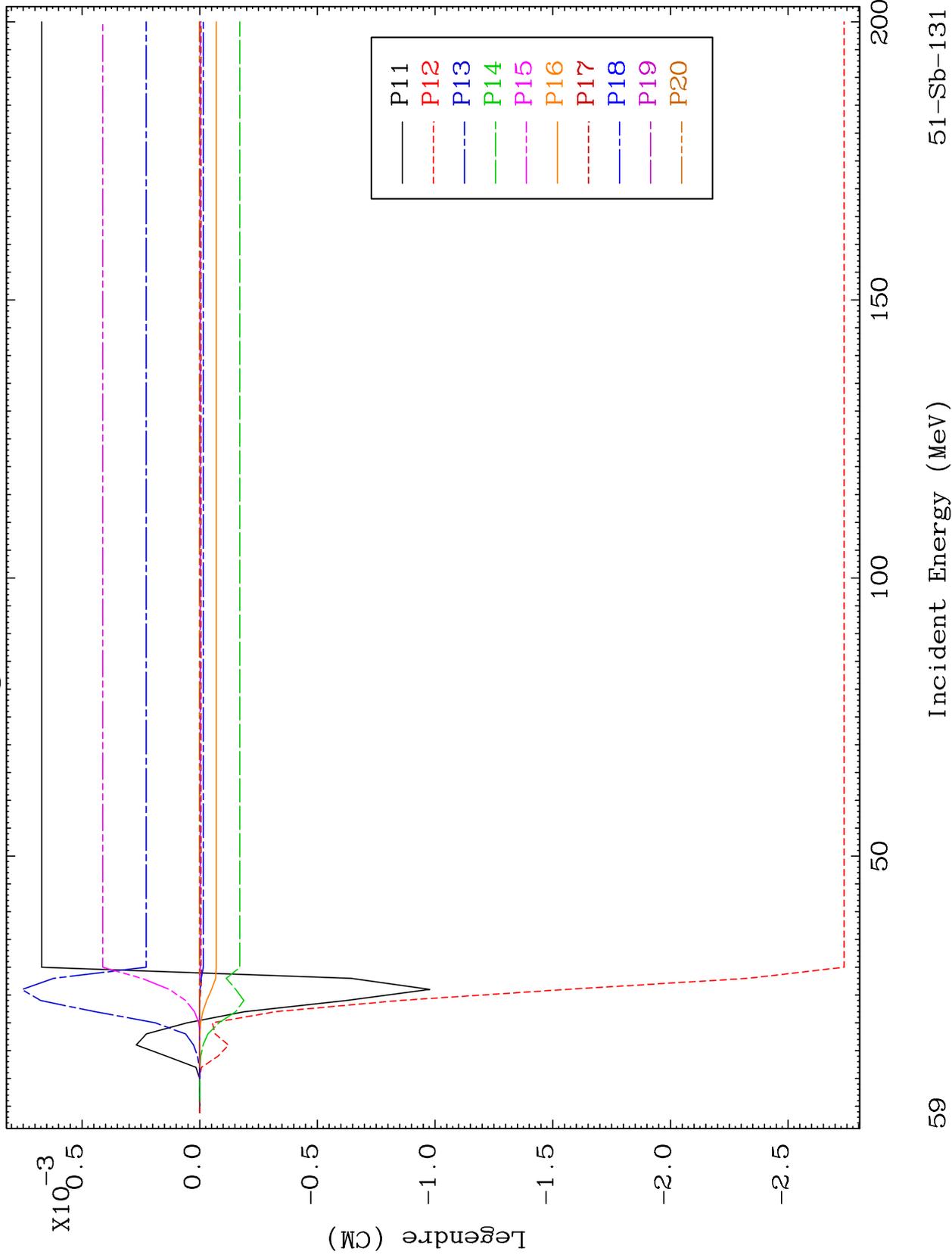
Incident Energy (MeV)

58

MAT 5155

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

51-Sb-131



59

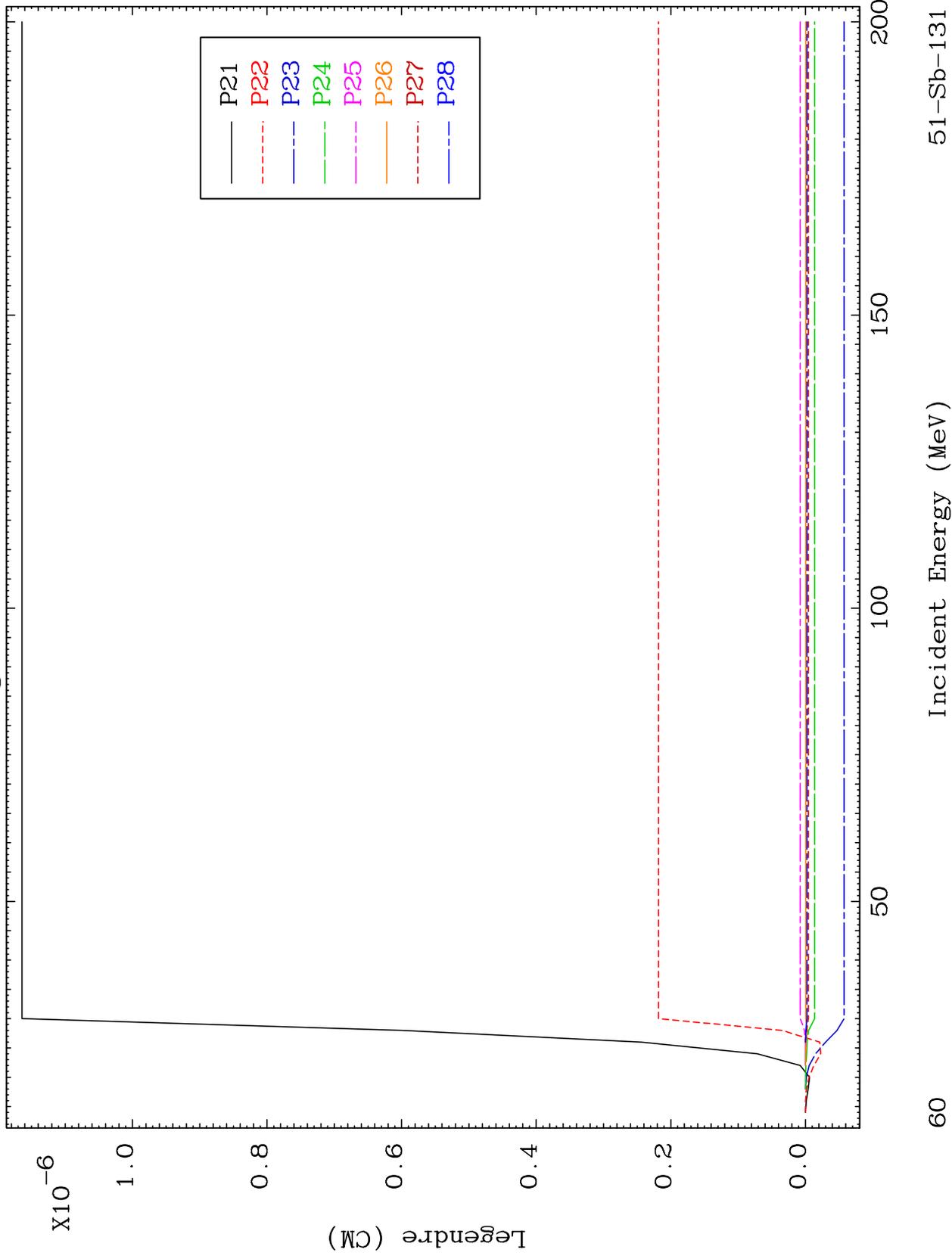
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

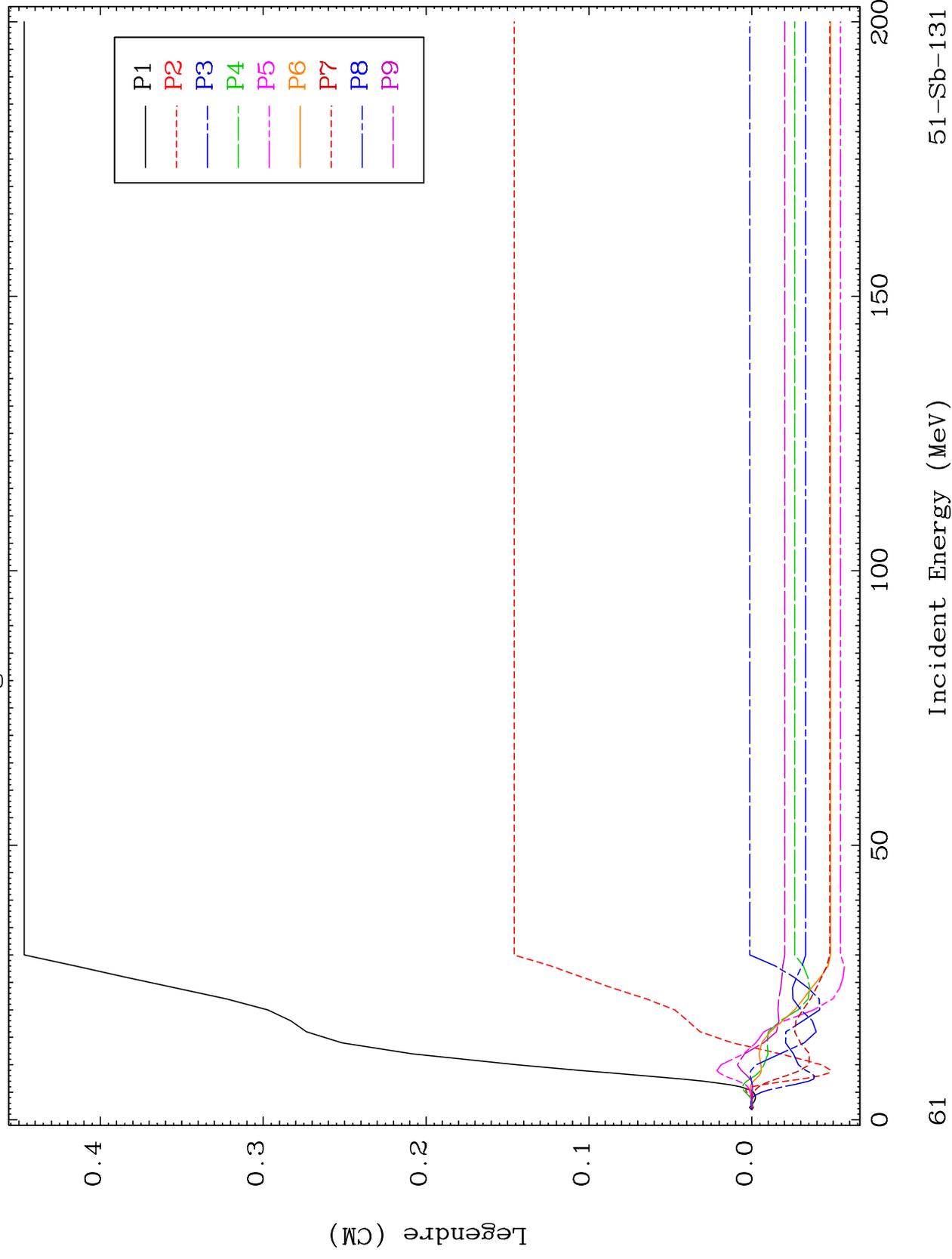
Incident Energy (MeV)

60

MAT 5155

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

51-Sb-131



61

Incident Energy (MeV)

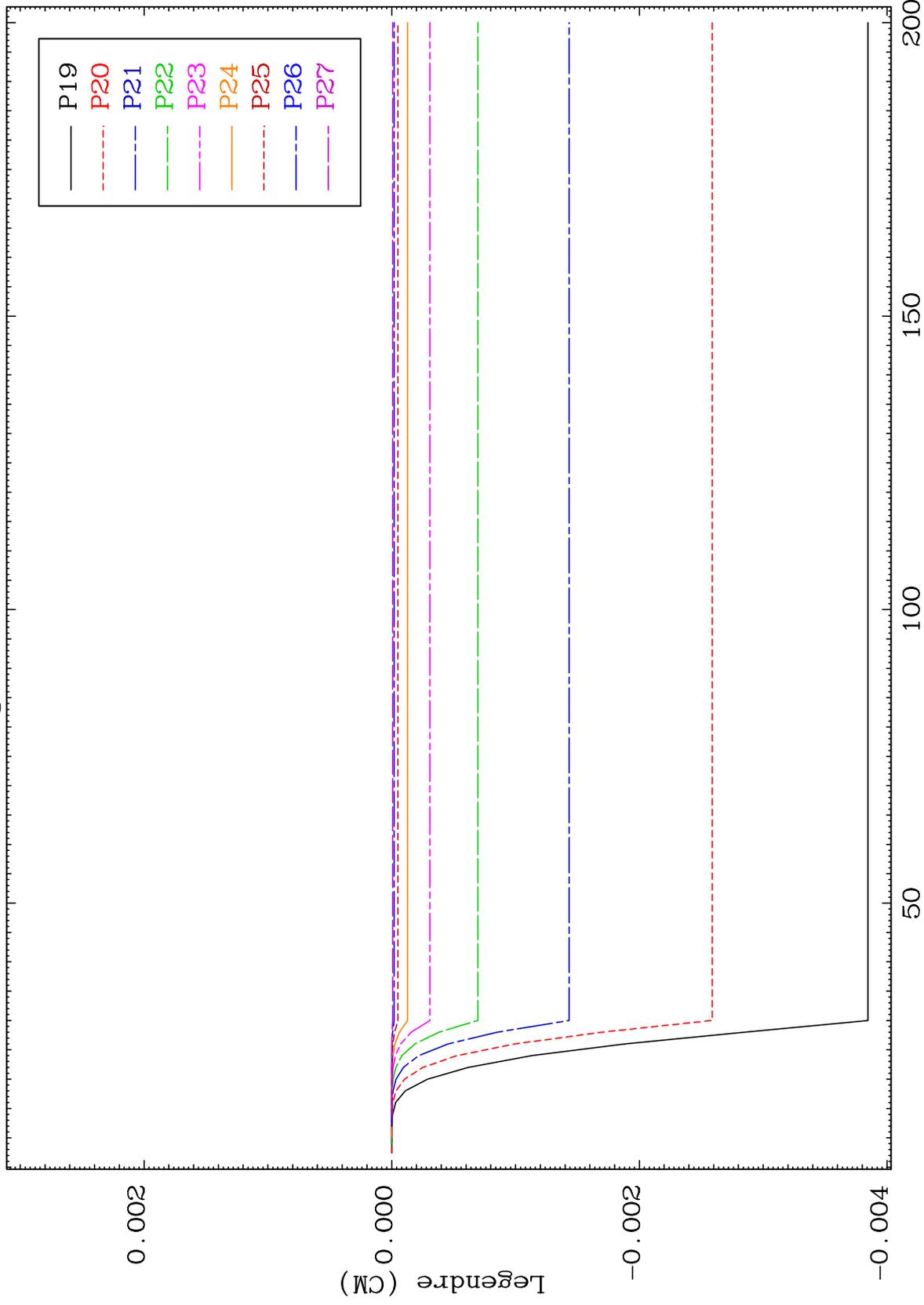
51-Sb-131



MAT 5155

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

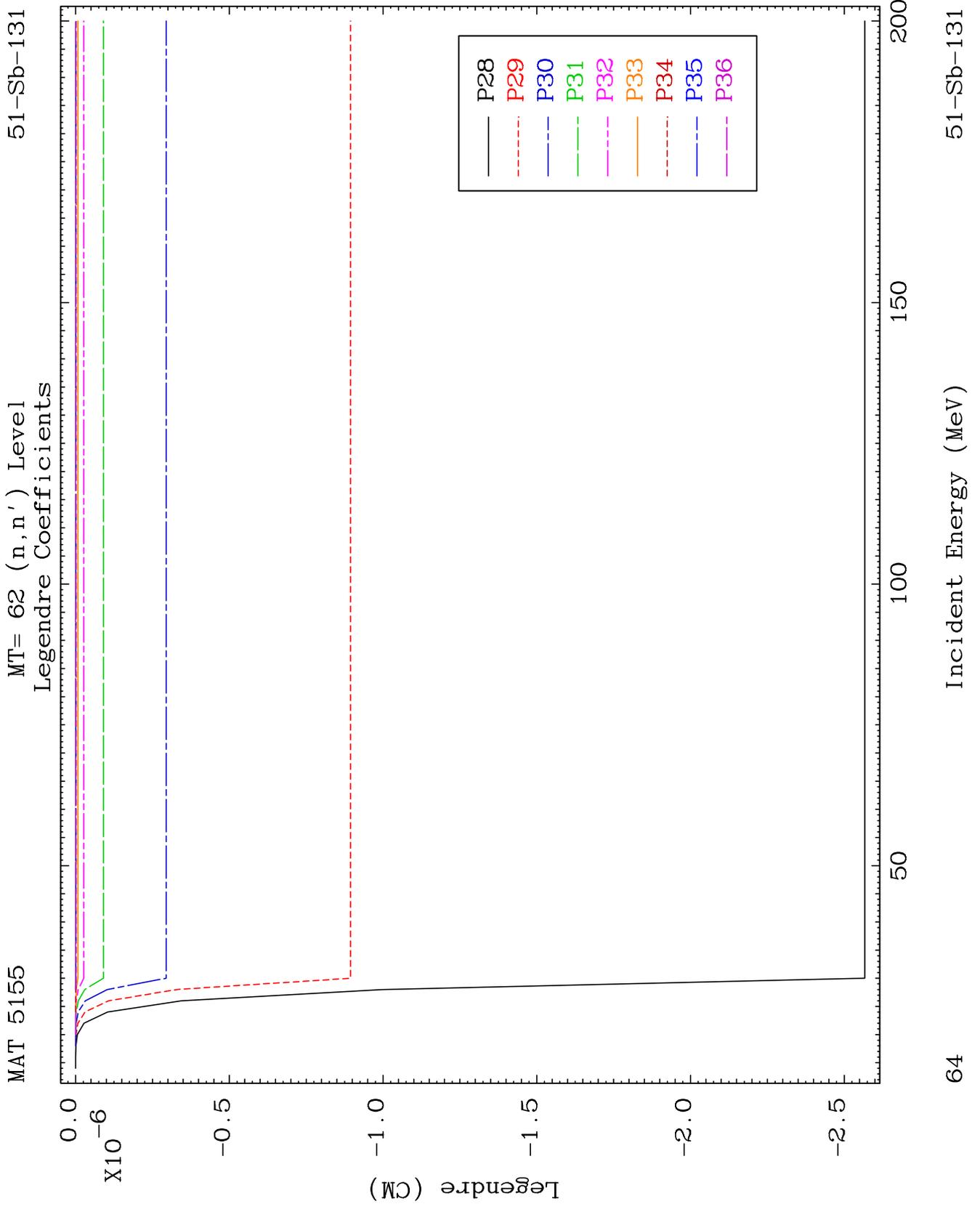
51-Sb-131



63

Incident Energy (MeV)

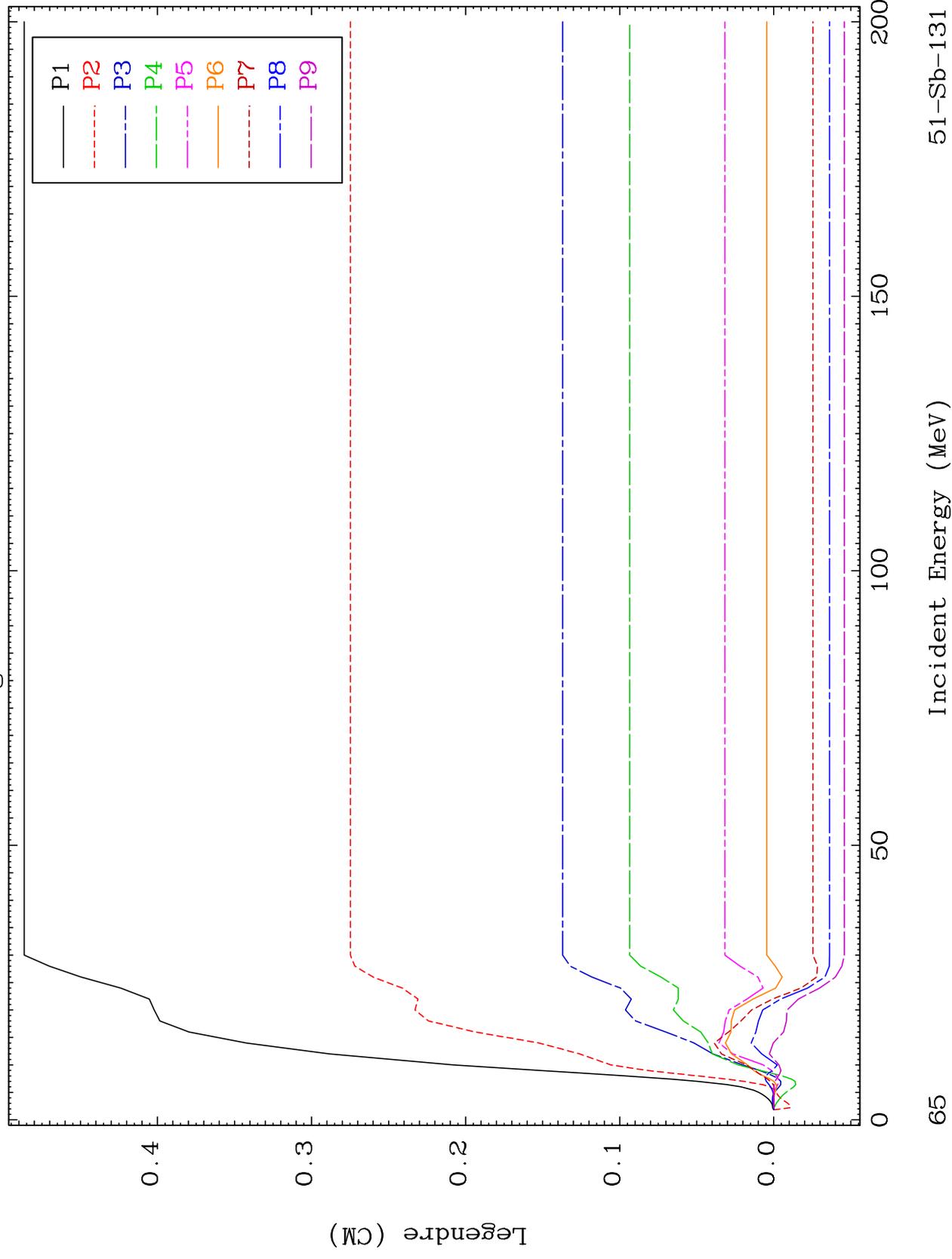
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

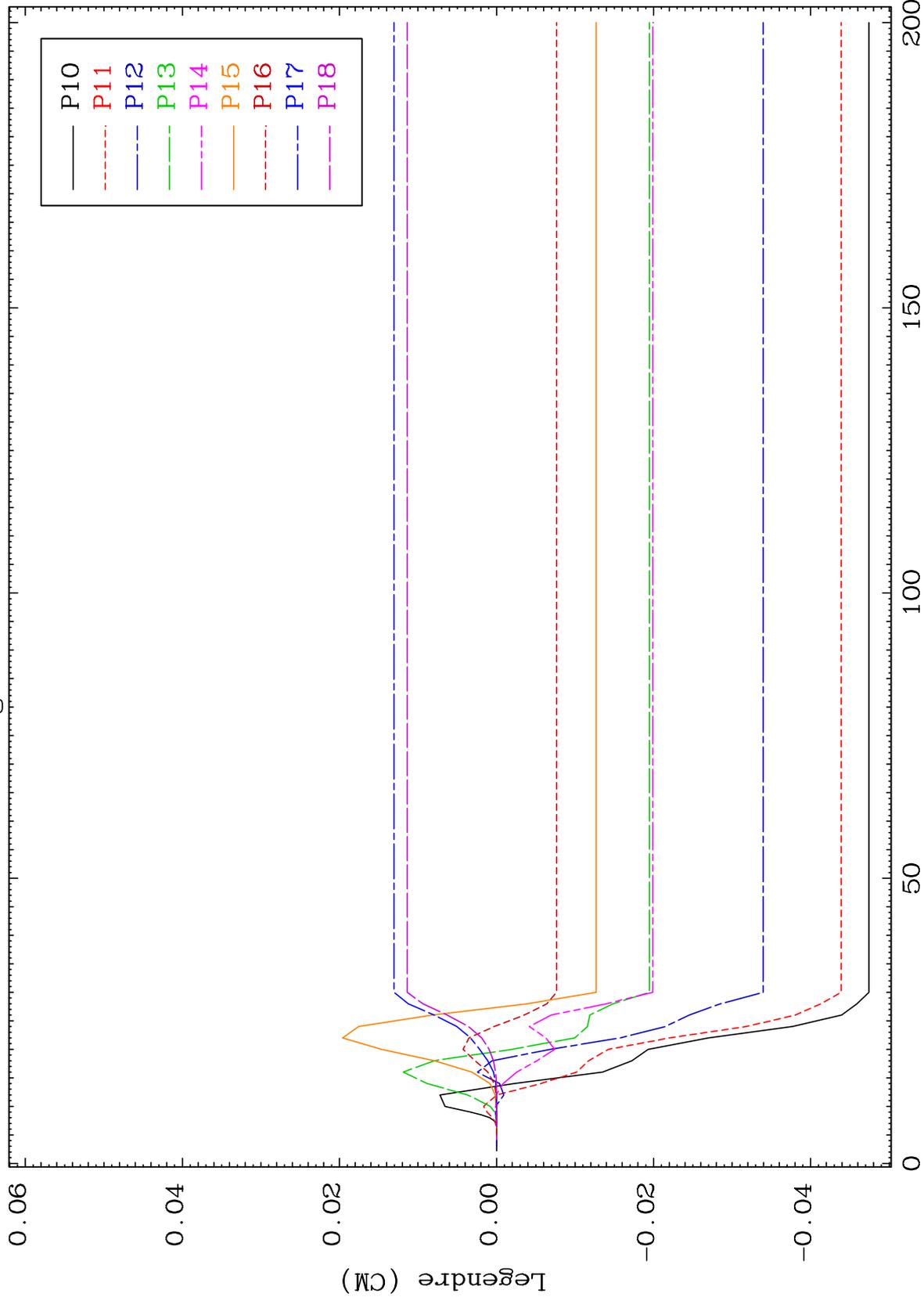
Incident Energy (MeV)

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

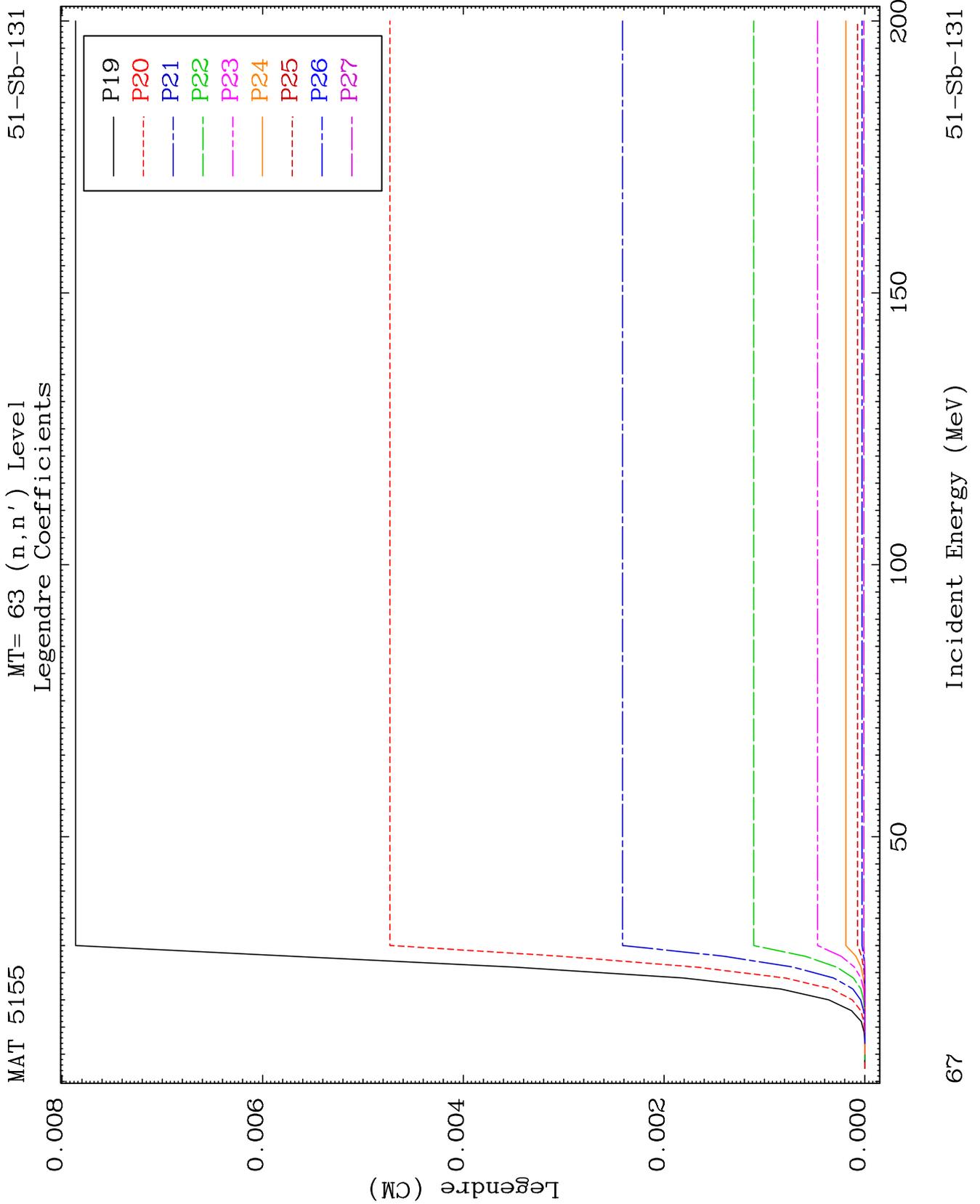
51-Sb-131



66

Incident Energy (MeV)

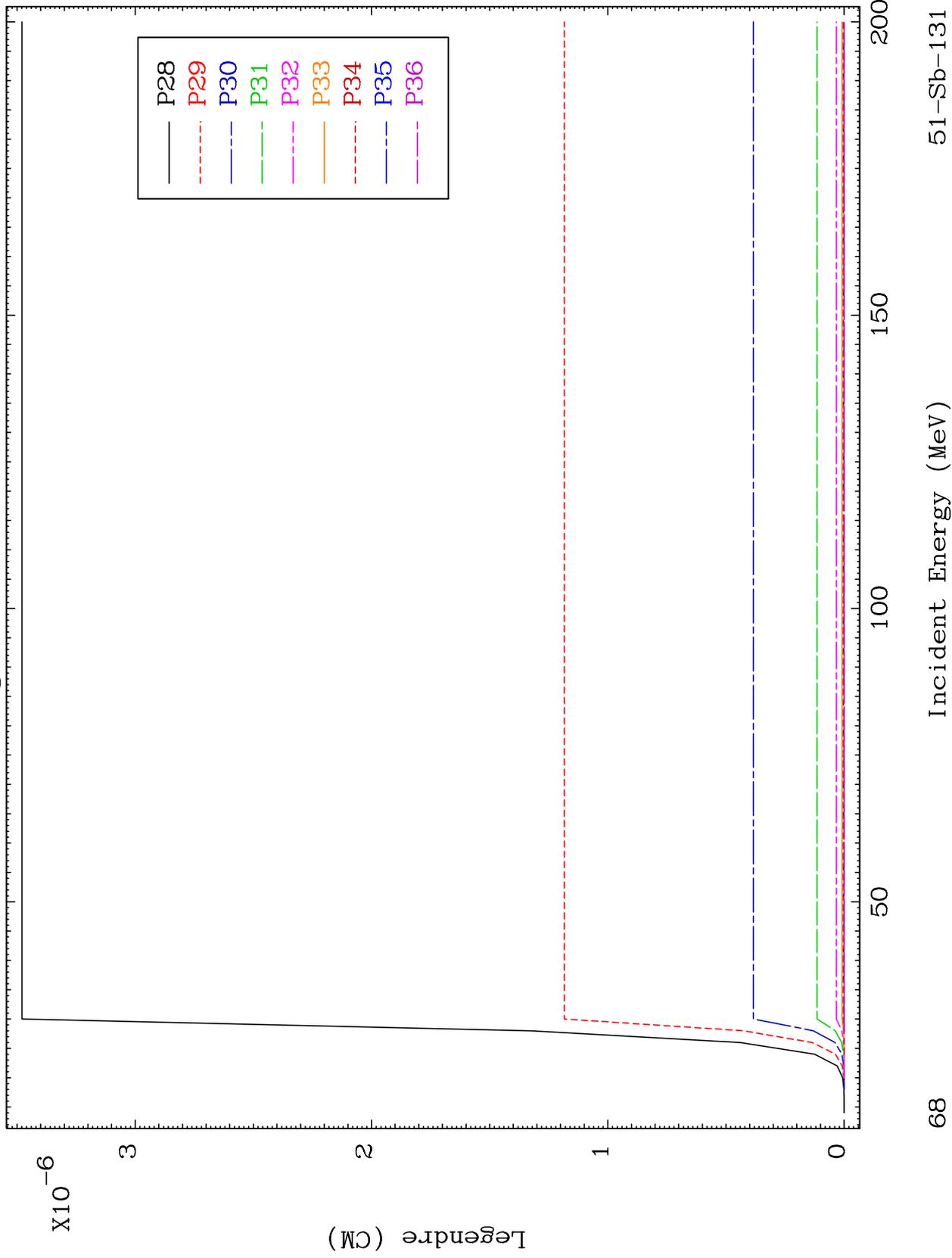
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MAT 5155

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Legendre Coefficients

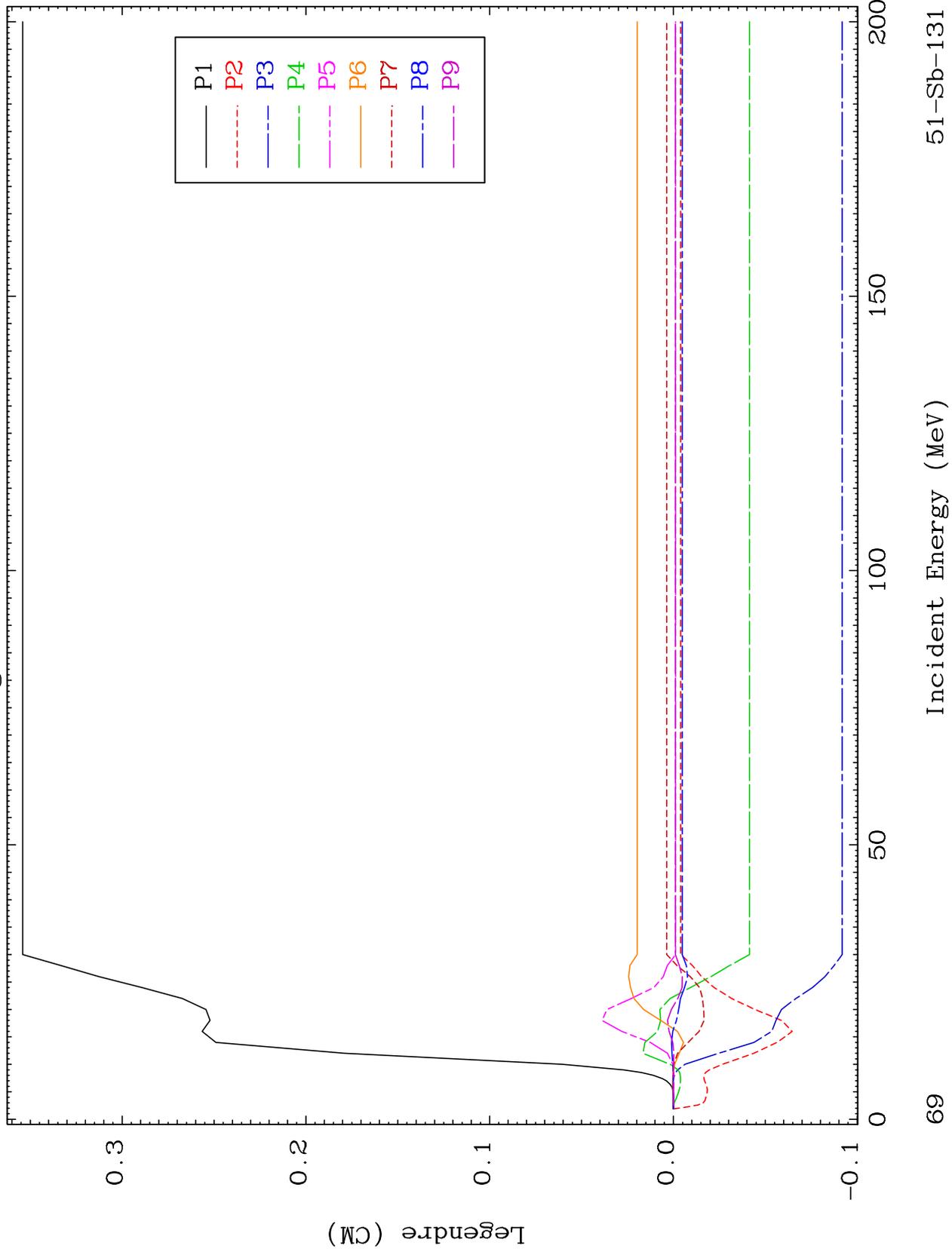
51-Sb-131



MAT 5155

MT= 64 (n,n') Level  
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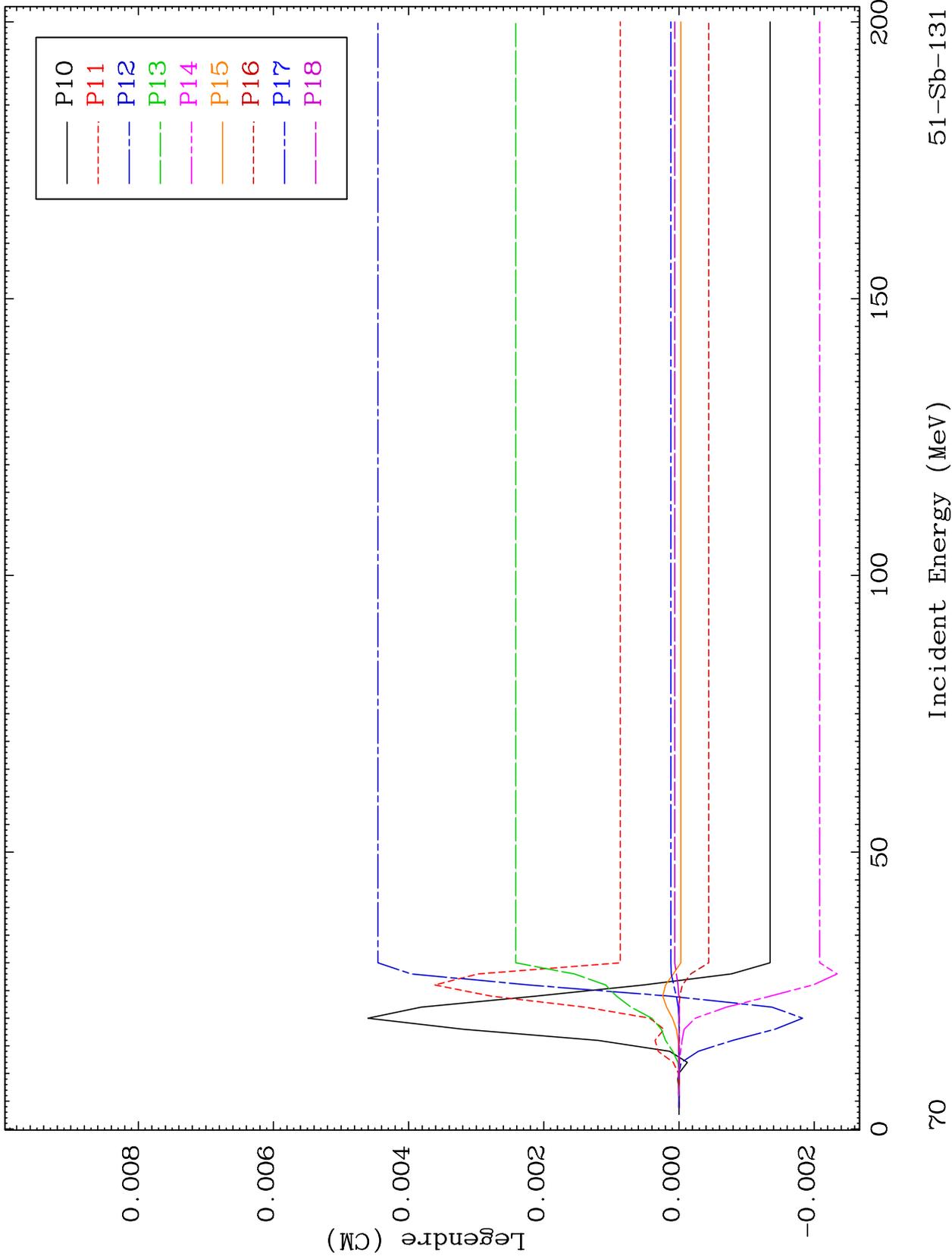
51-Sb-131



MAT 5155

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

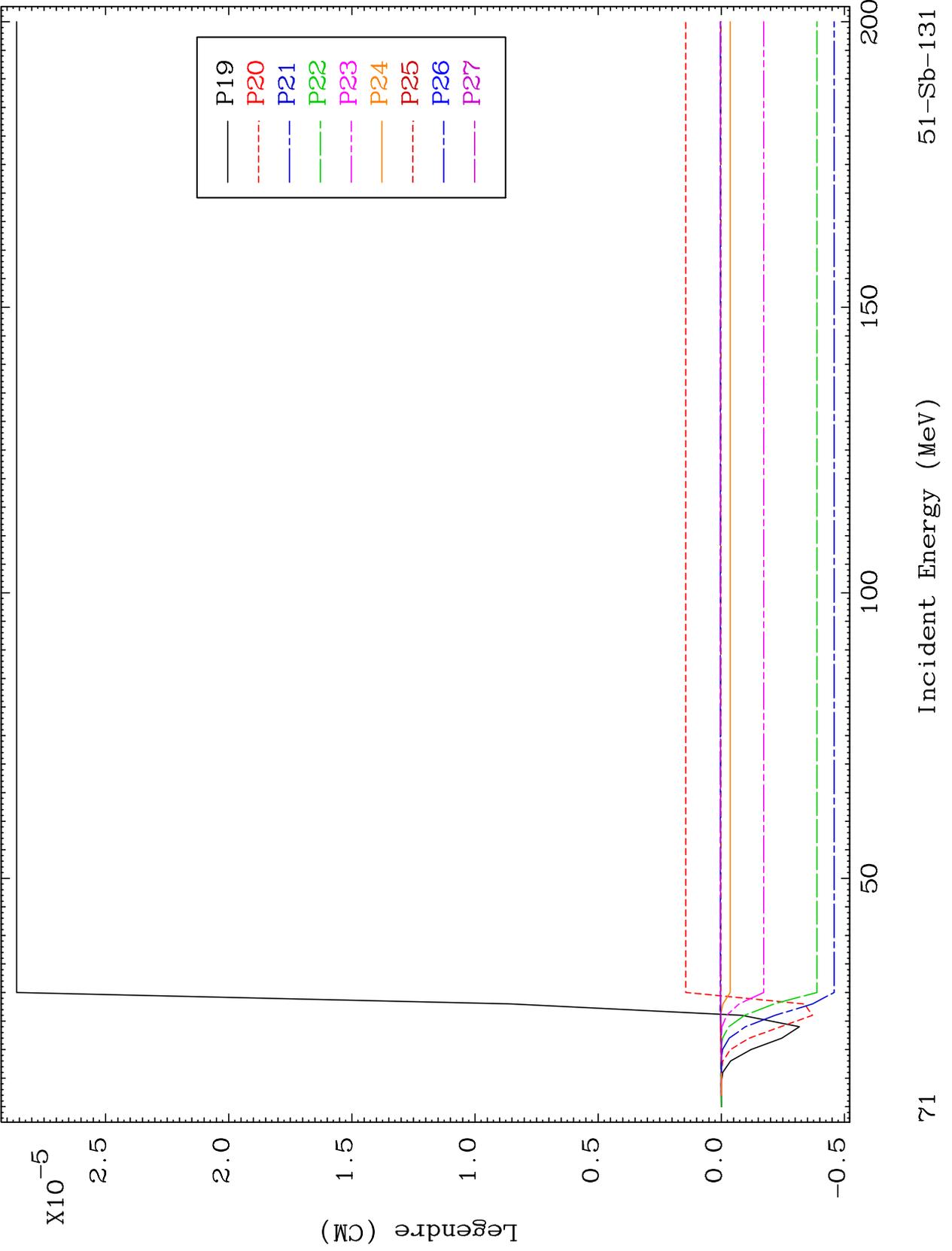
51-Sb-131



51-Sb-131

Incident Energy (MeV)

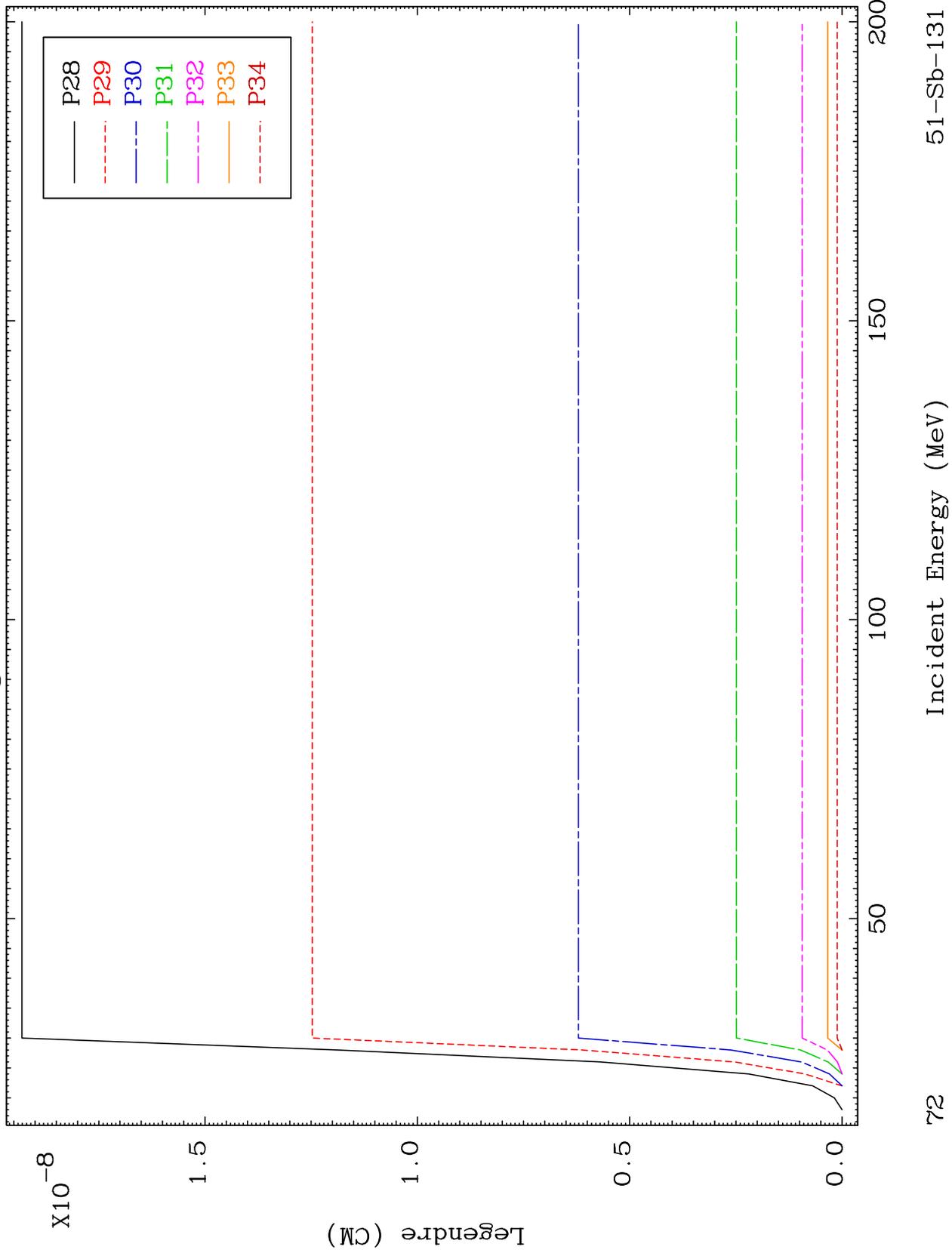
70



MAT 5155

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

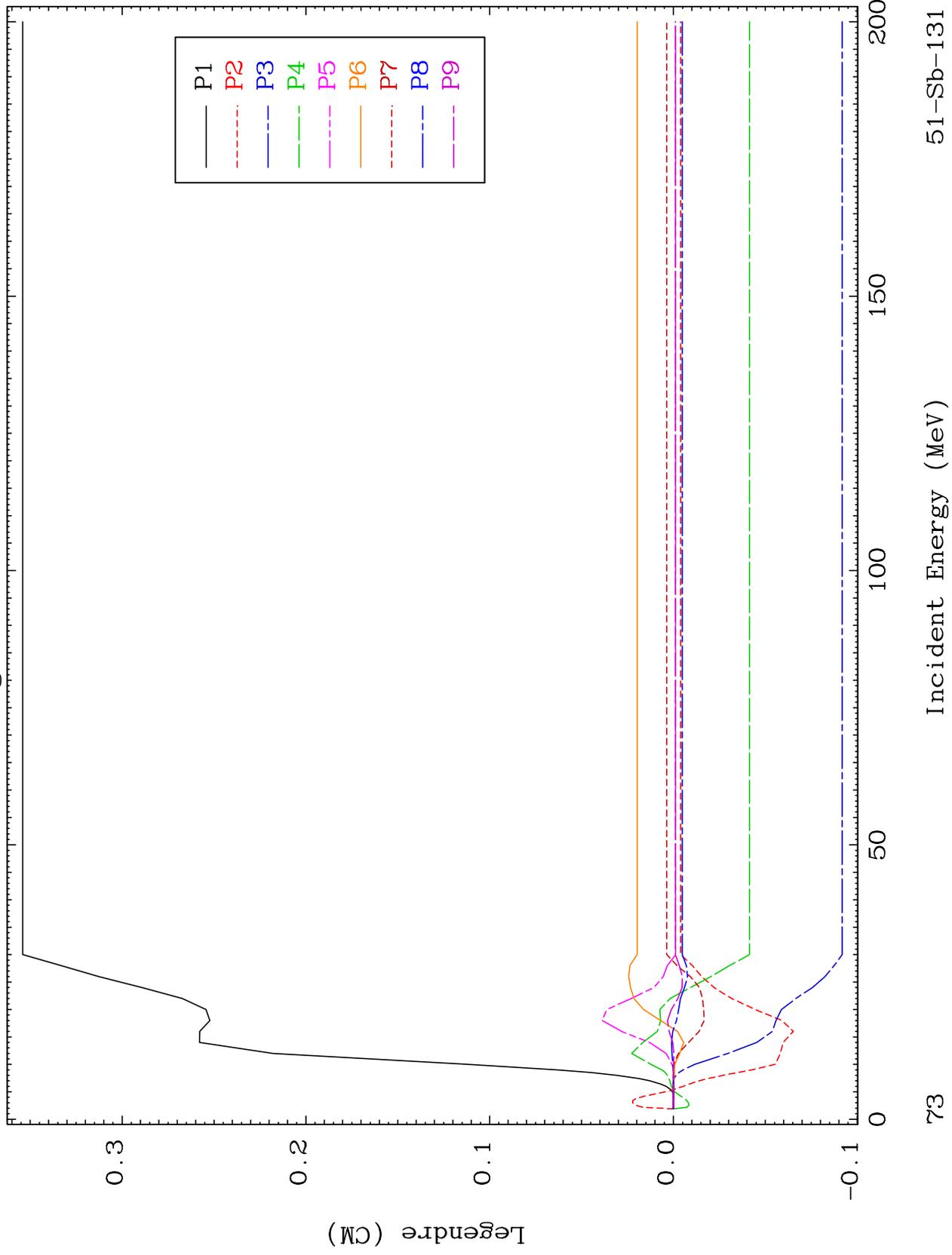
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

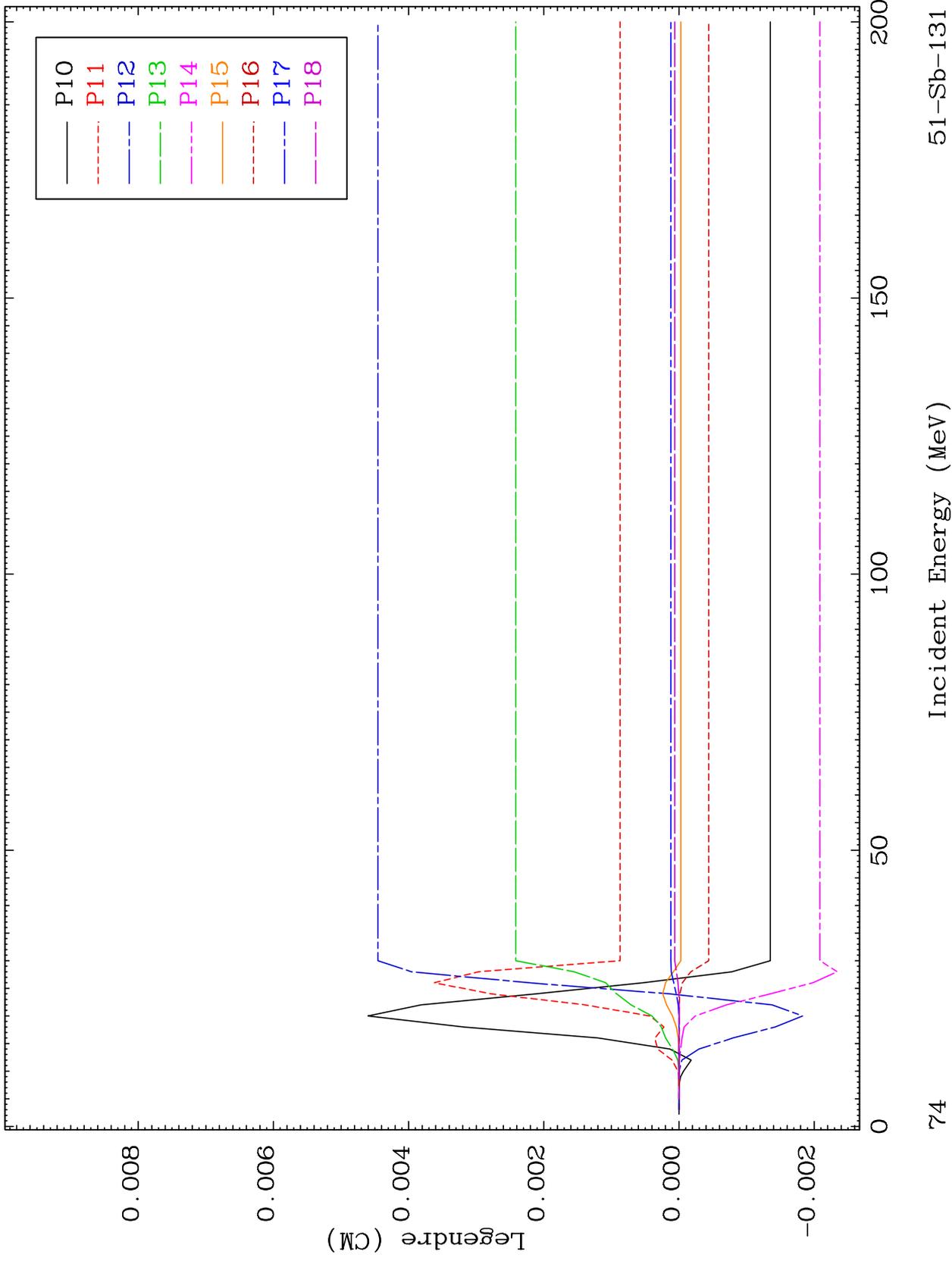
Incident Energy (MeV)

73

MAT 5155

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

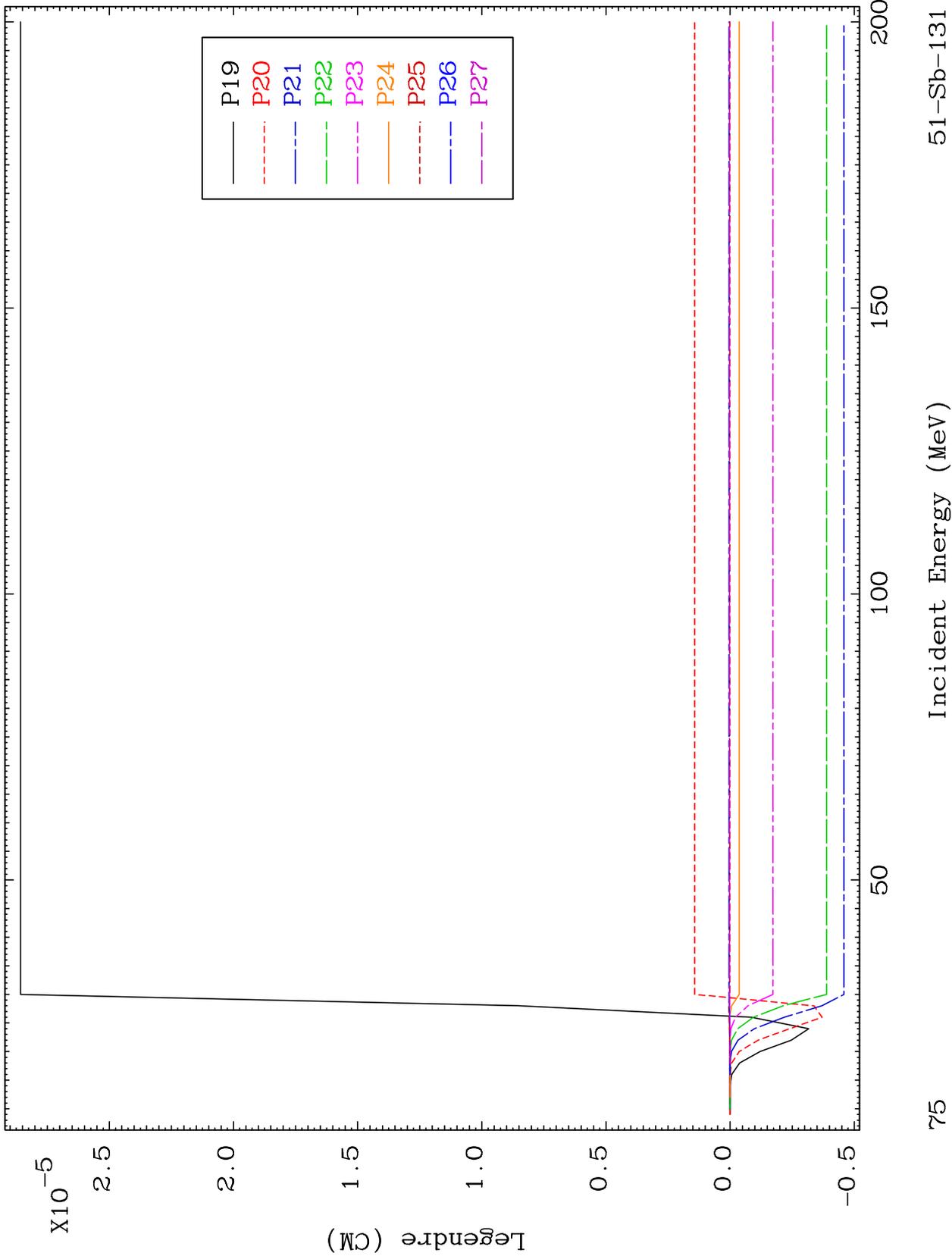
51-Sb-131



MAT 5155

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

51-Sb-131



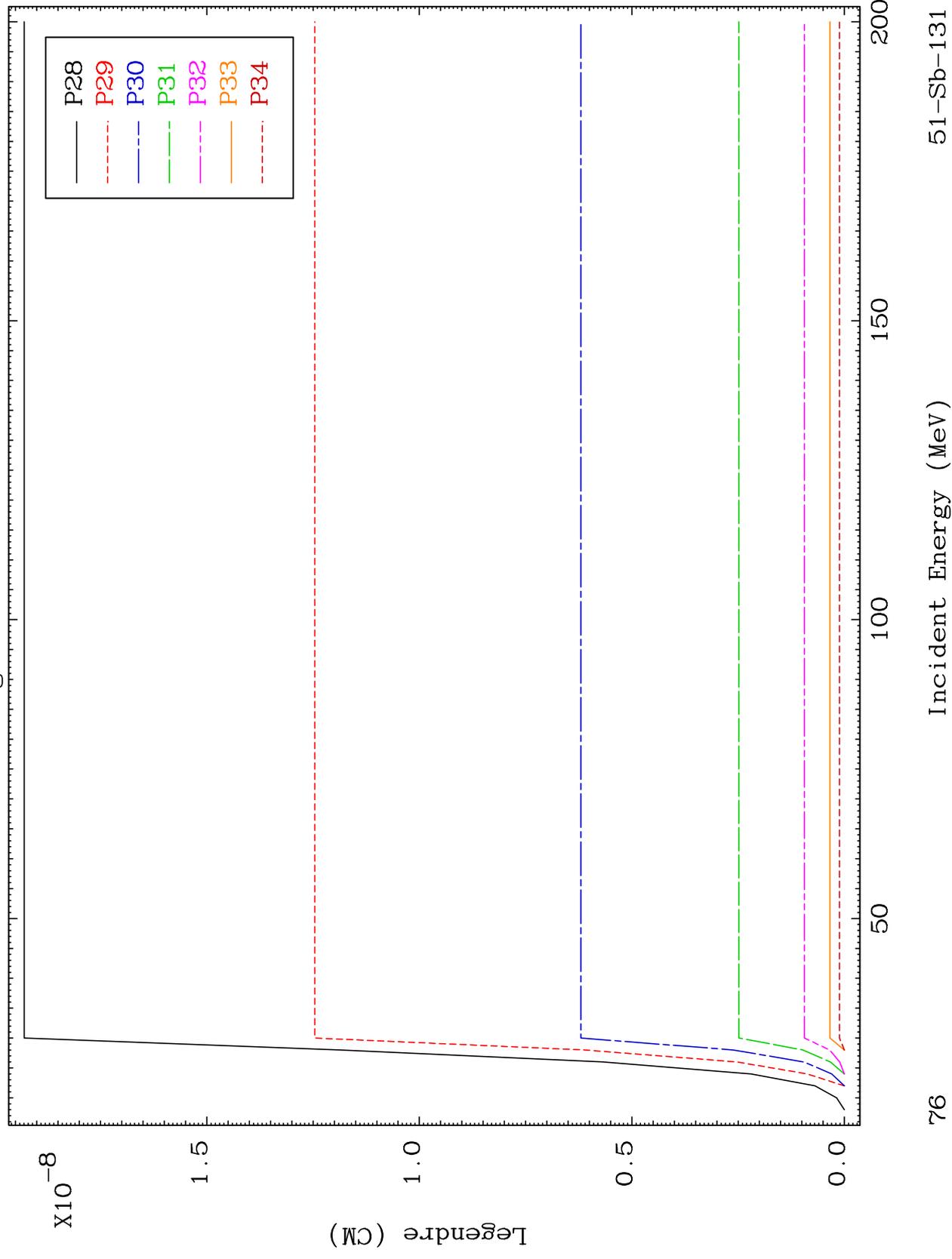
75

51-Sb-131

MAT 5155

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

51-Sb-131



76

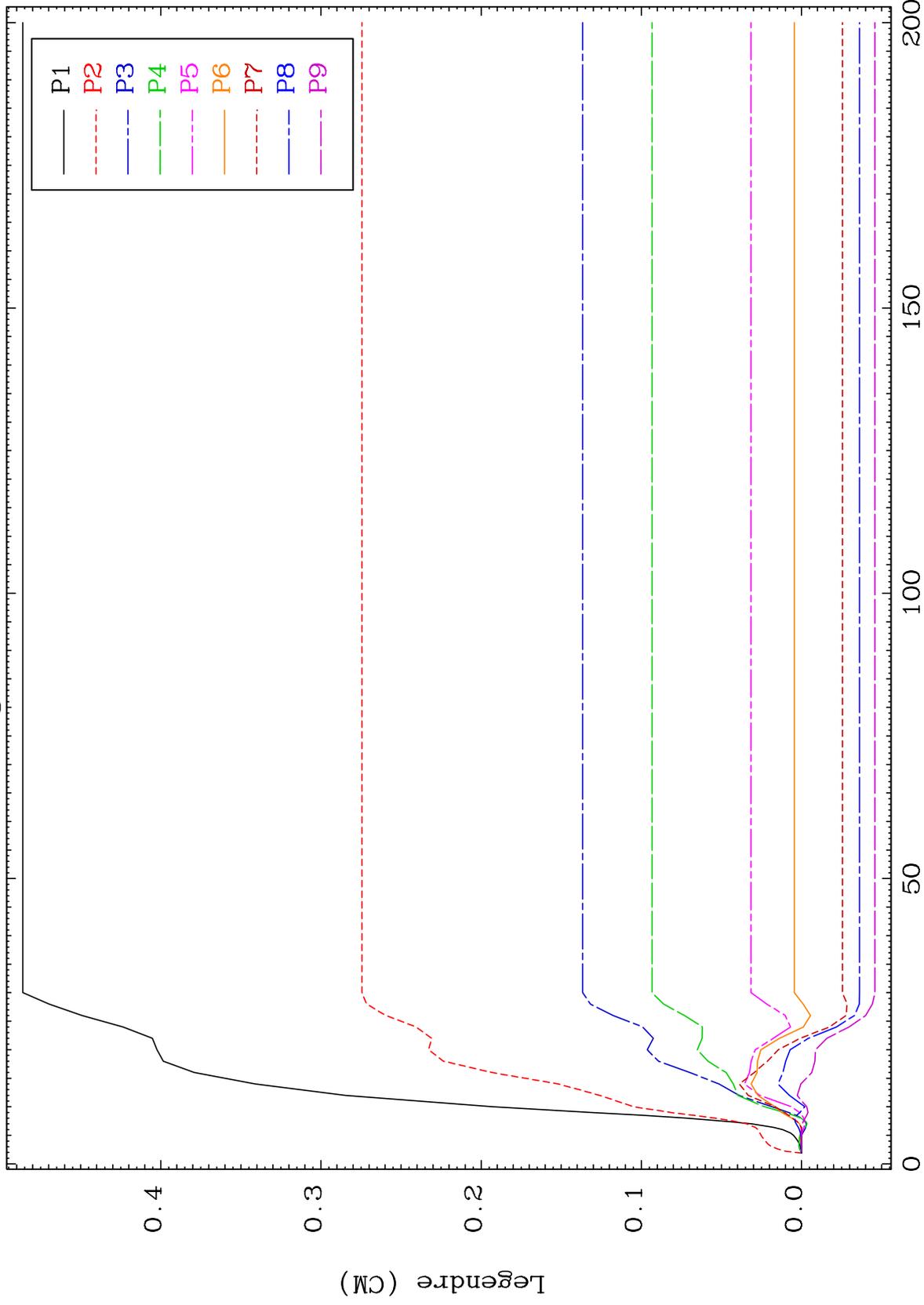
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



77

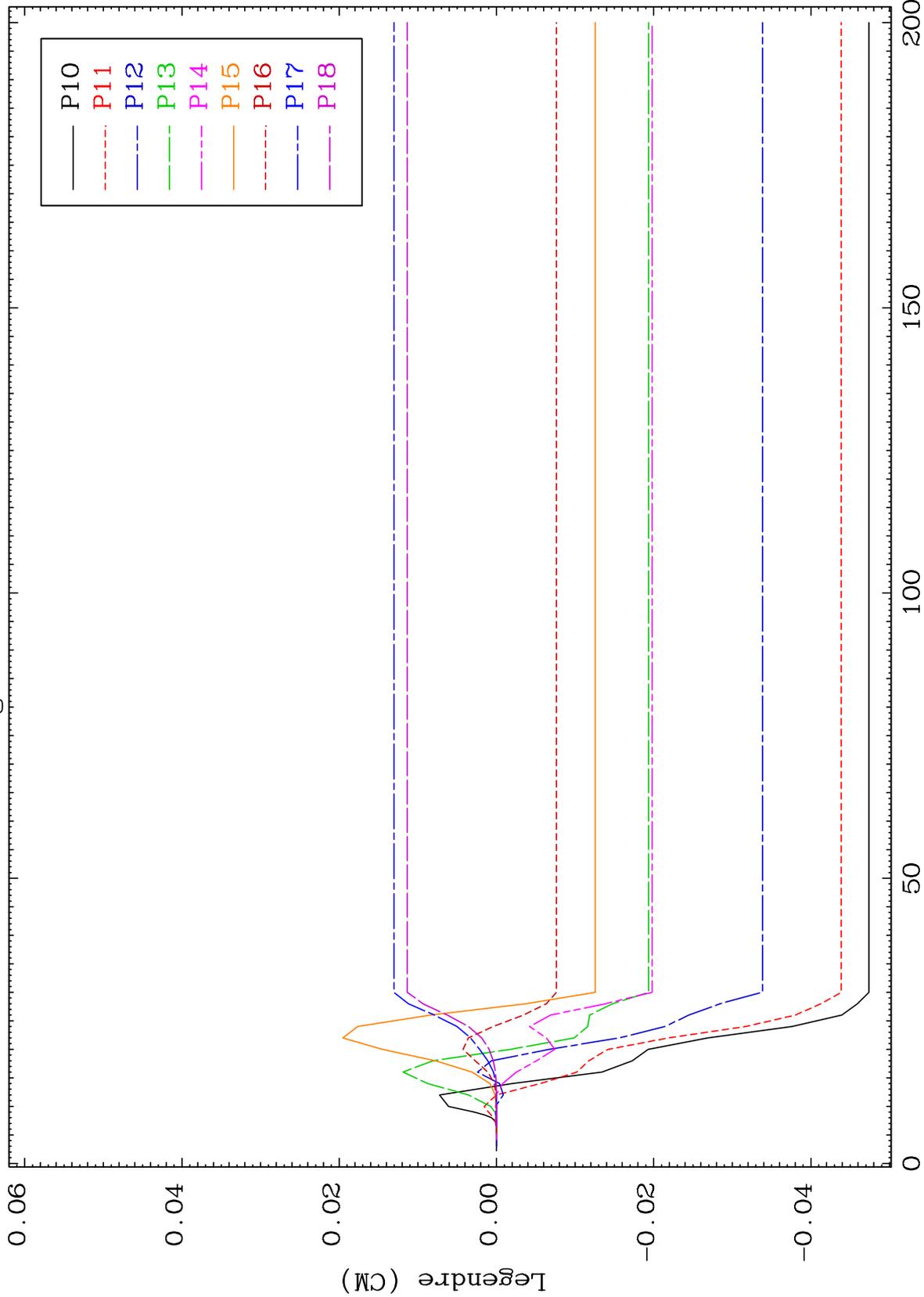
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



78

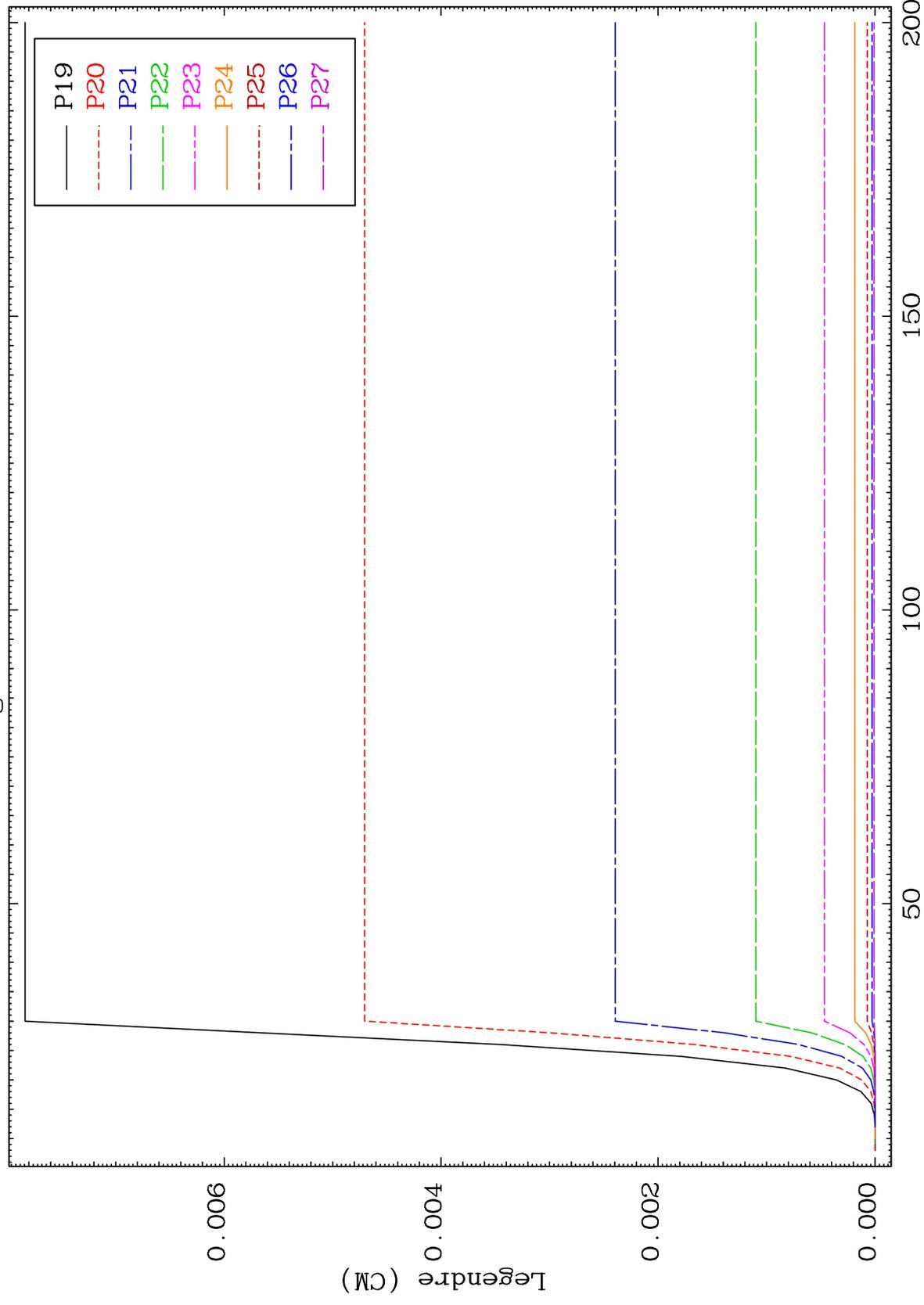
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



79

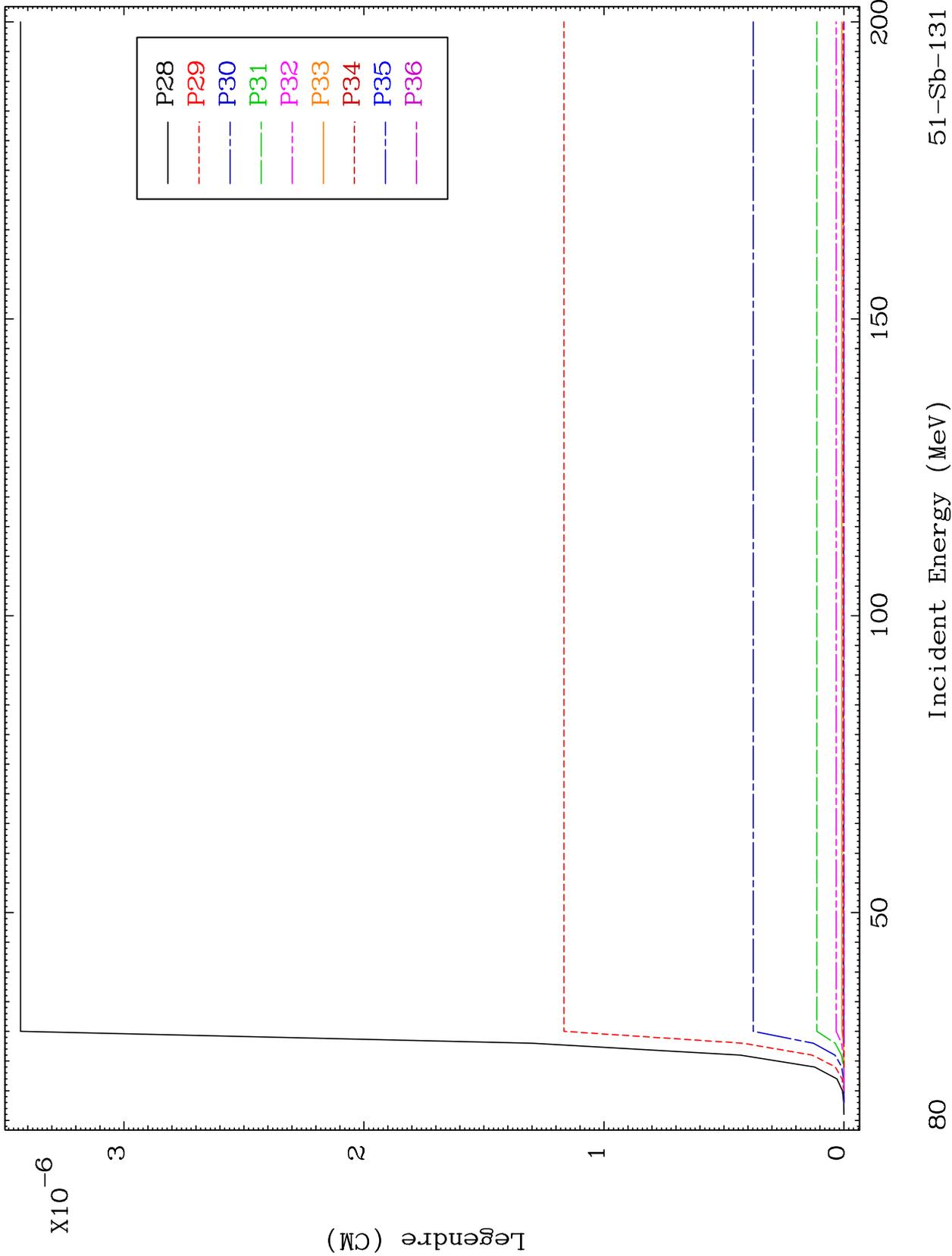
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



80

Incident Energy (MeV)

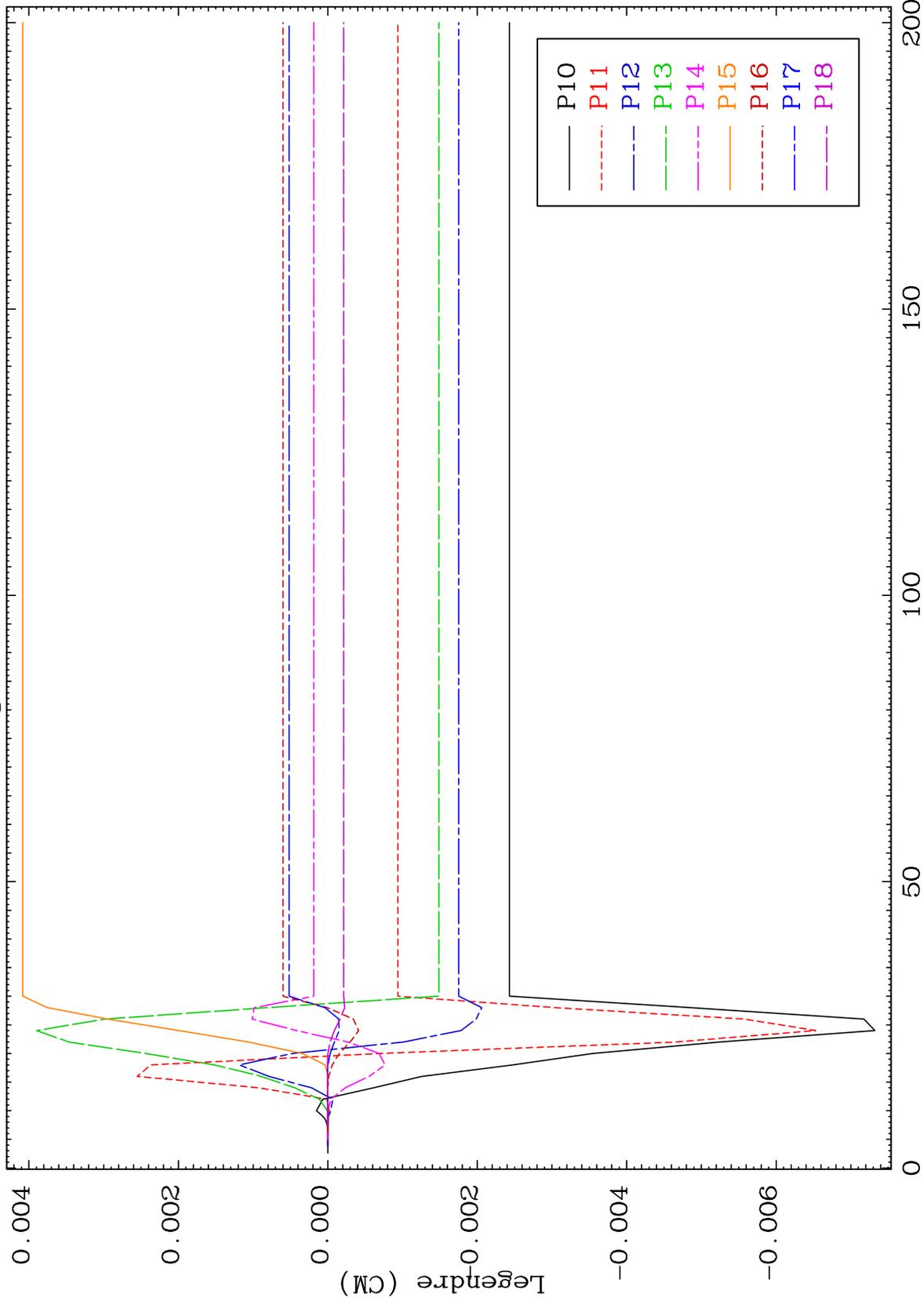
51-Sb-131



MAT 5155

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

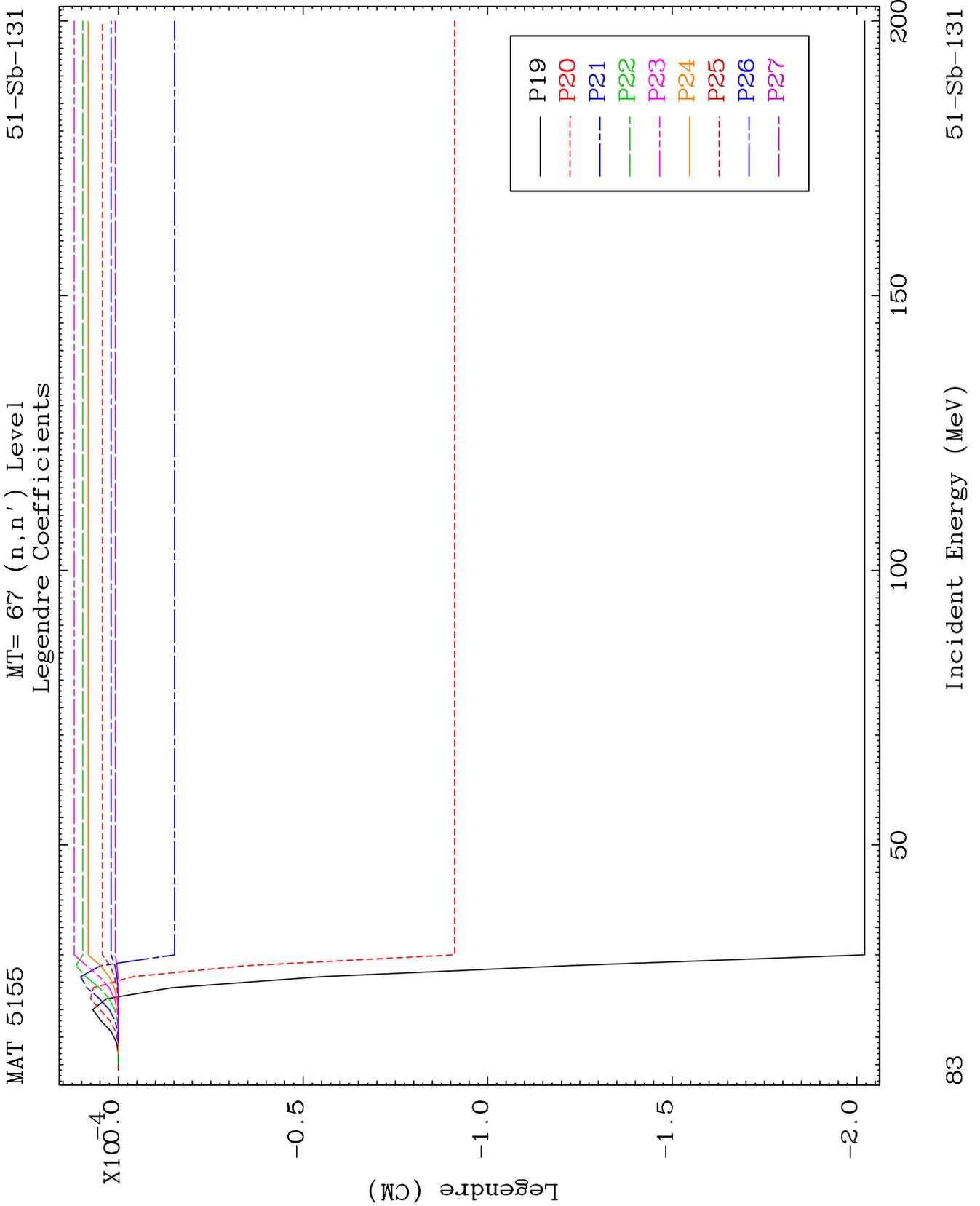
51-Sb-131



82

Incident Energy (MeV)

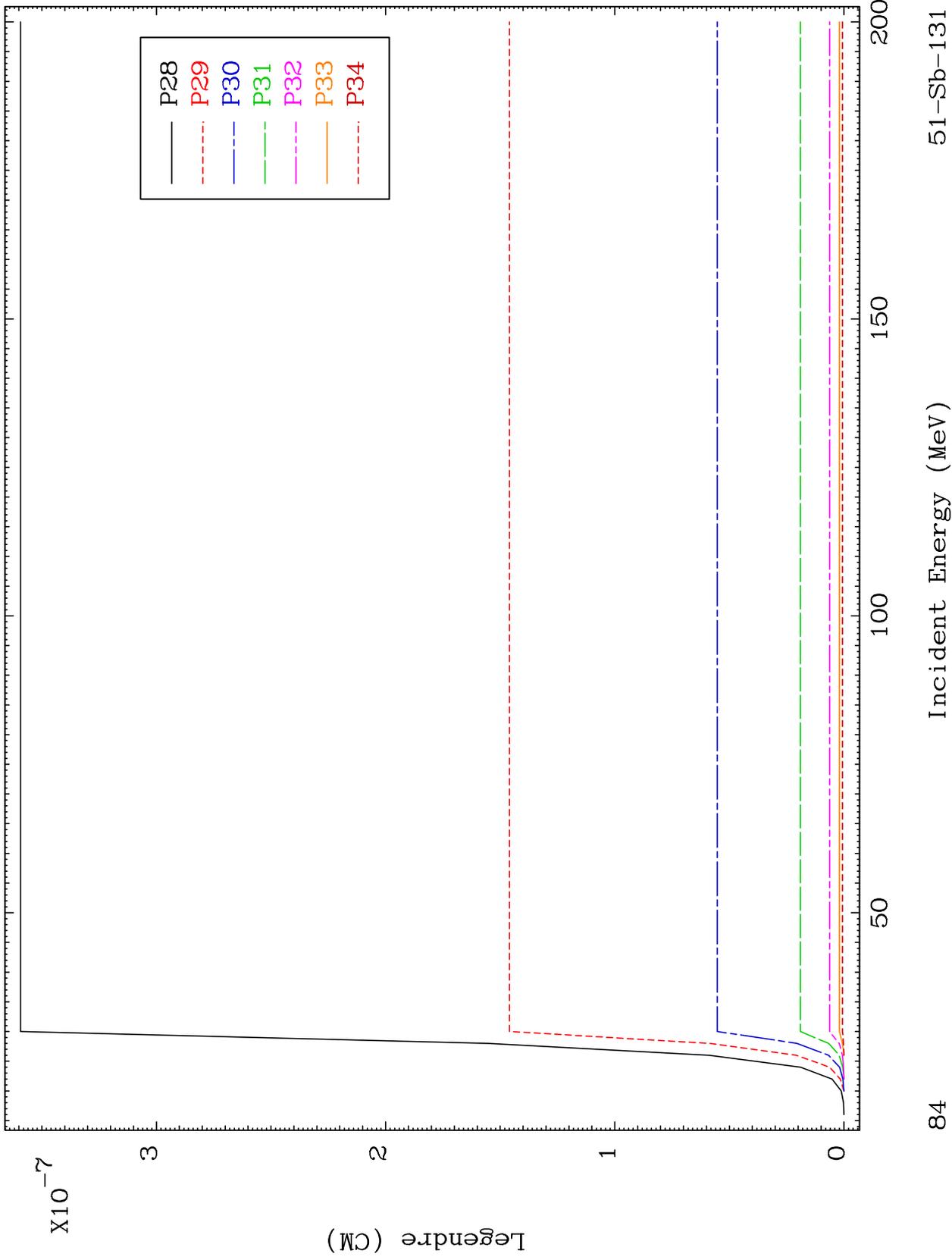
51-Sb-131



MAT 5155

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

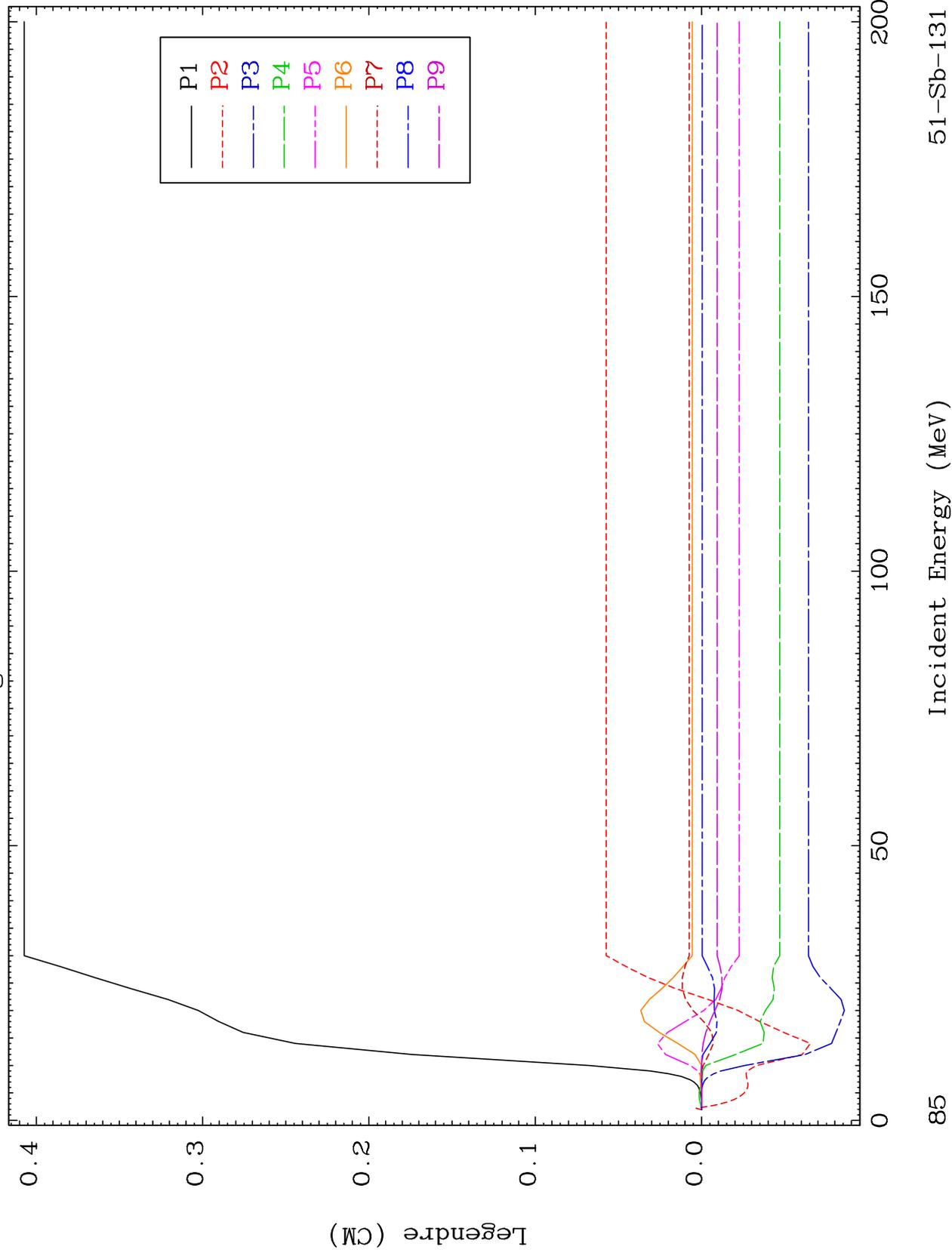
51-Sb-131



MAT 5155

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

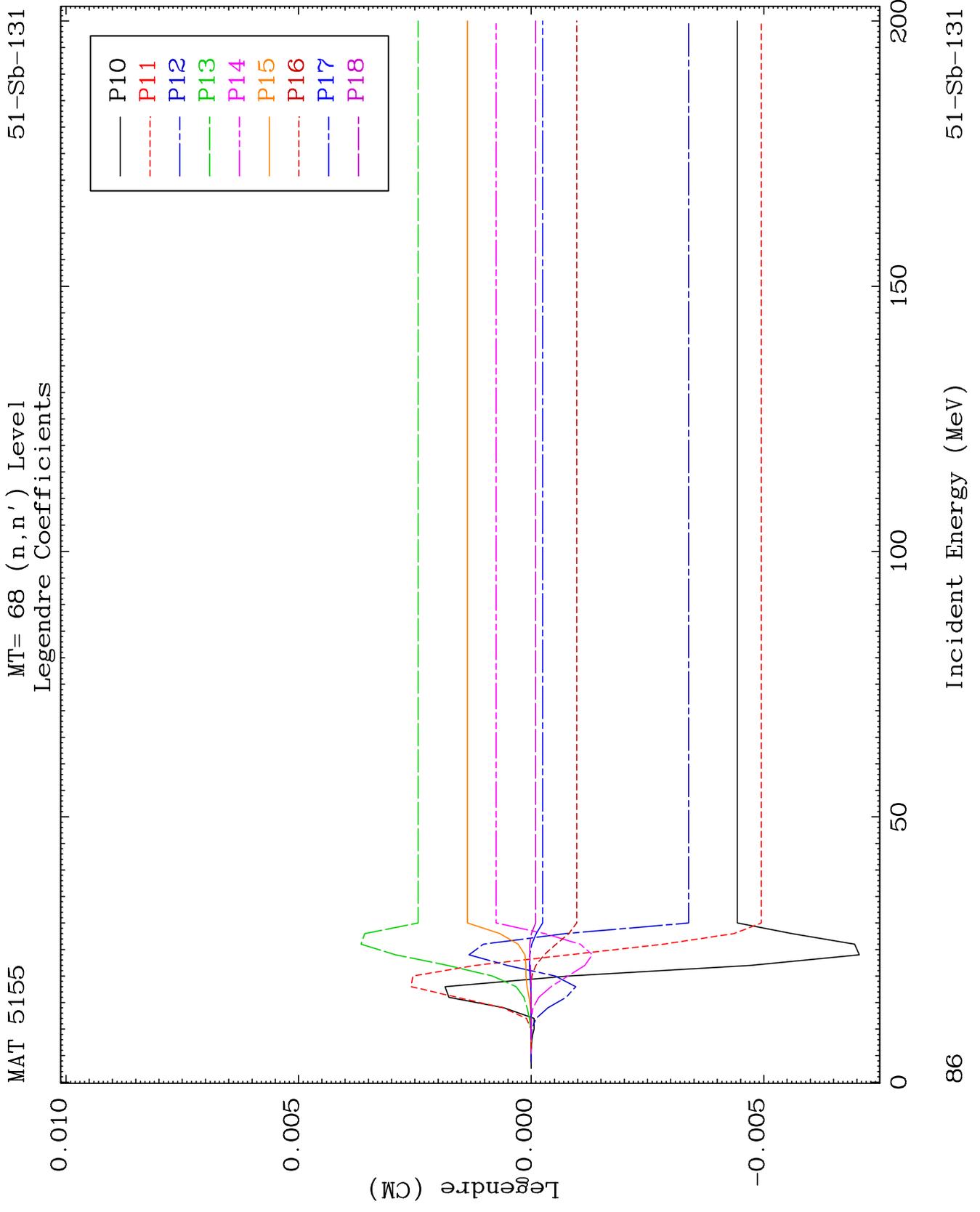
51-Sb-131

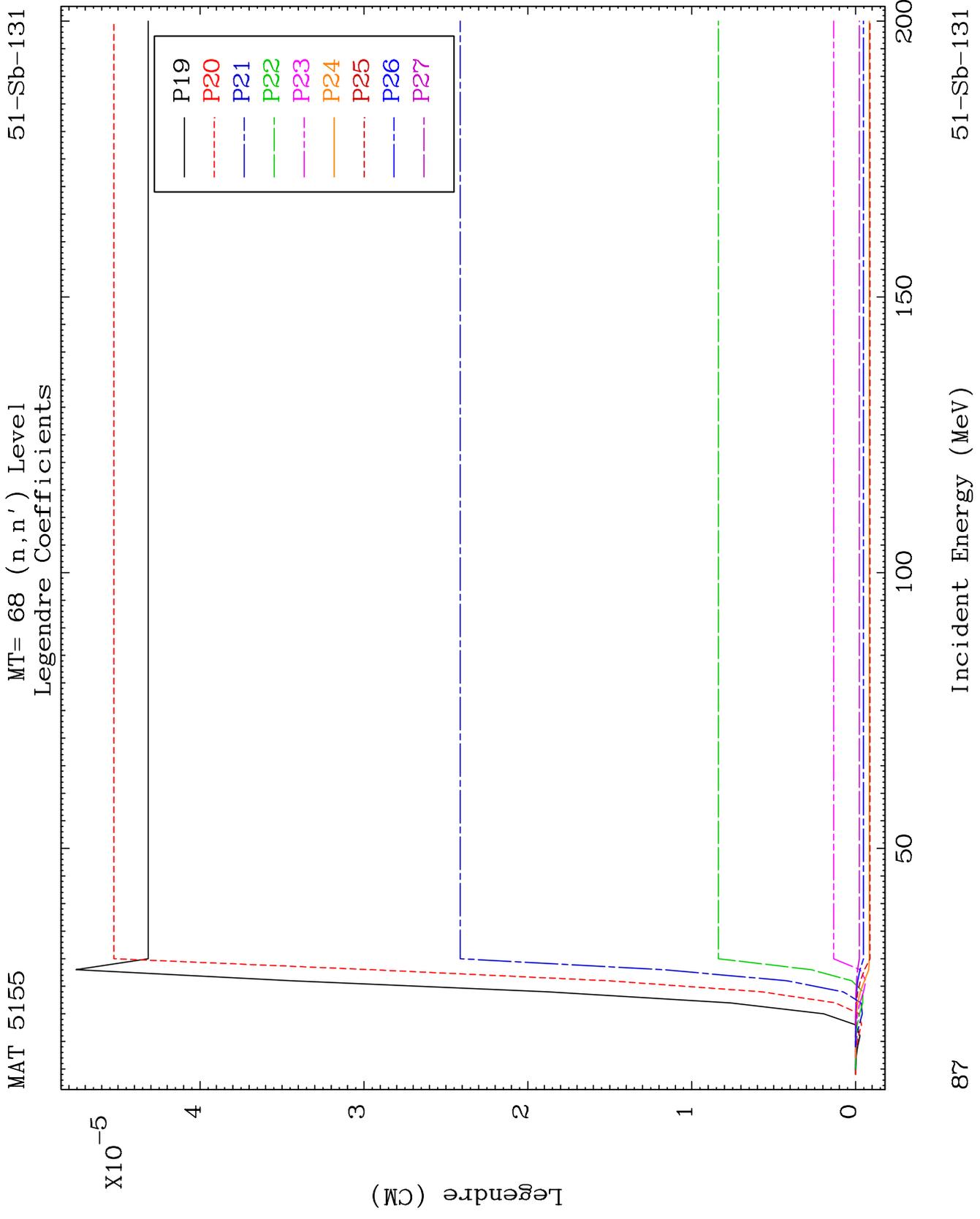


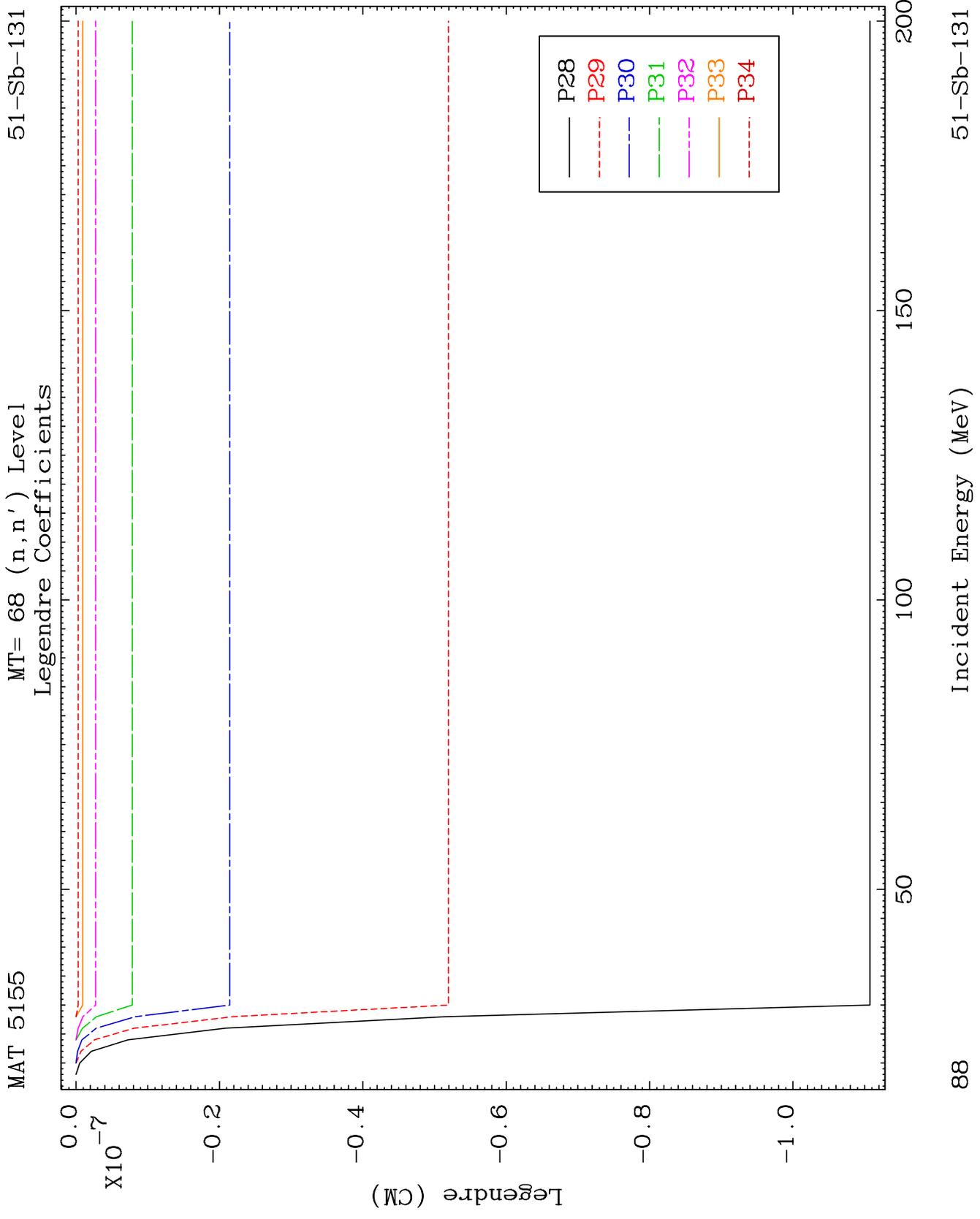
51-Sb-131

Incident Energy (MeV)

85



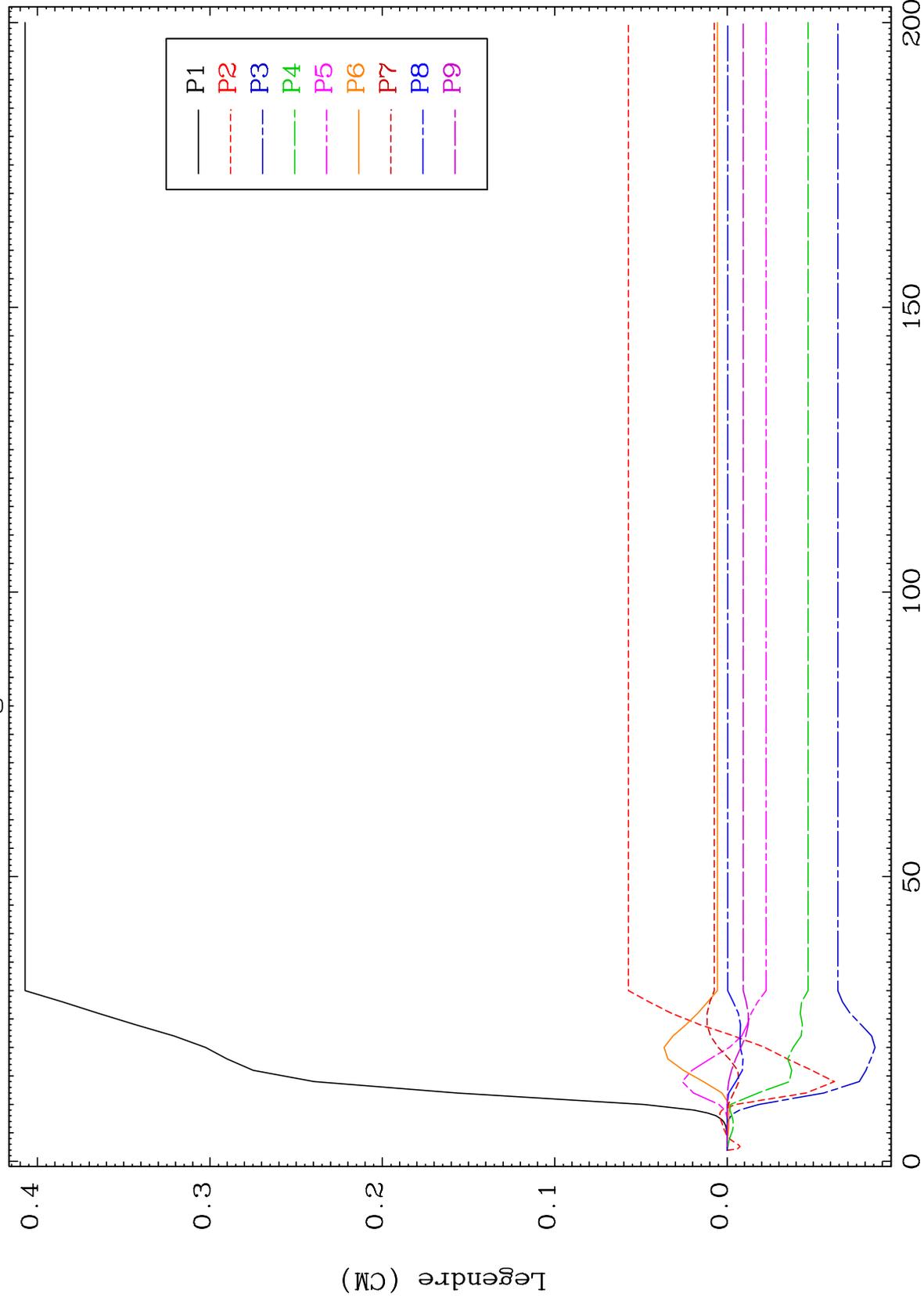




MAT 5155

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

51-Sb-131

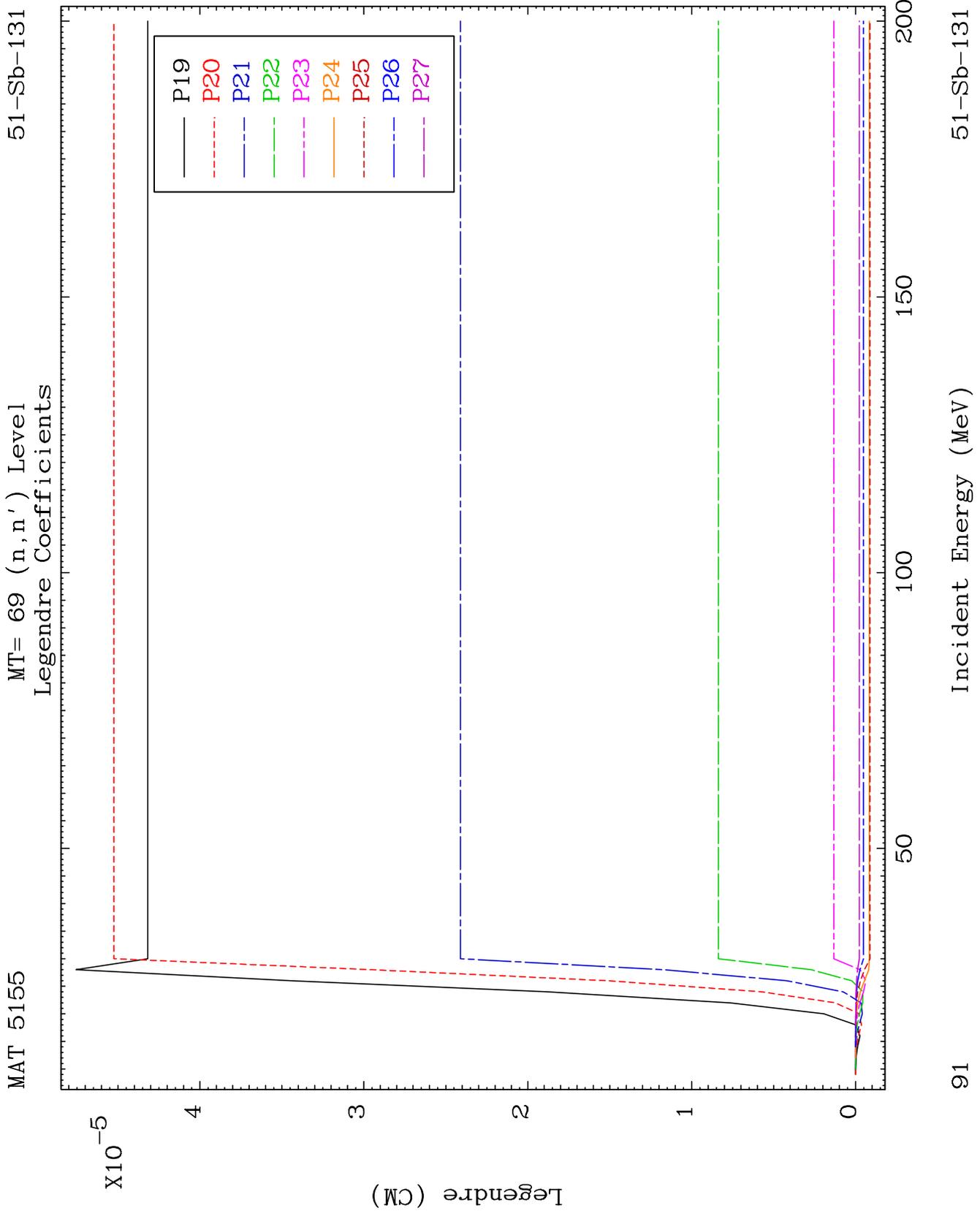


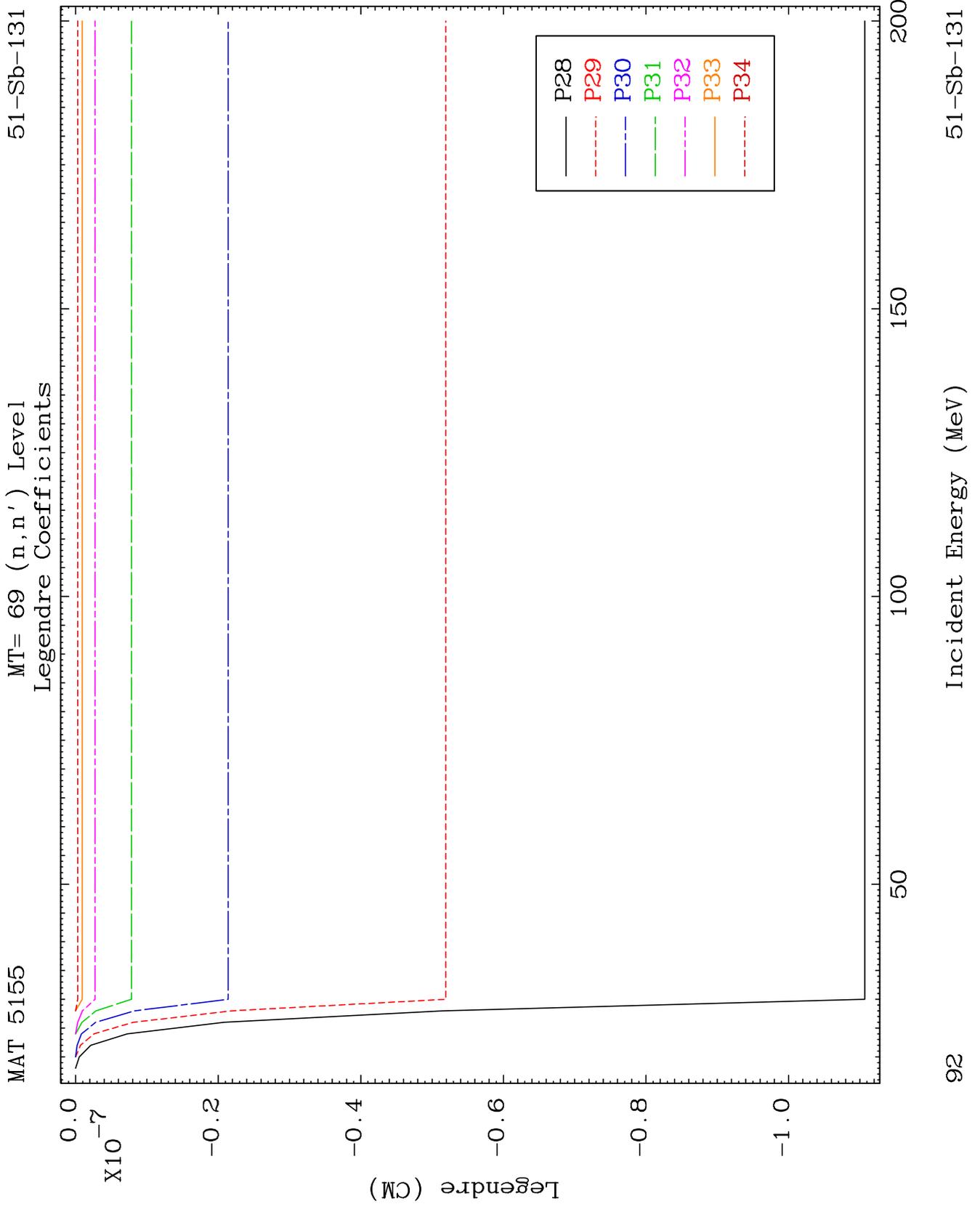
89

Incident Energy (MeV)

51-Sb-131



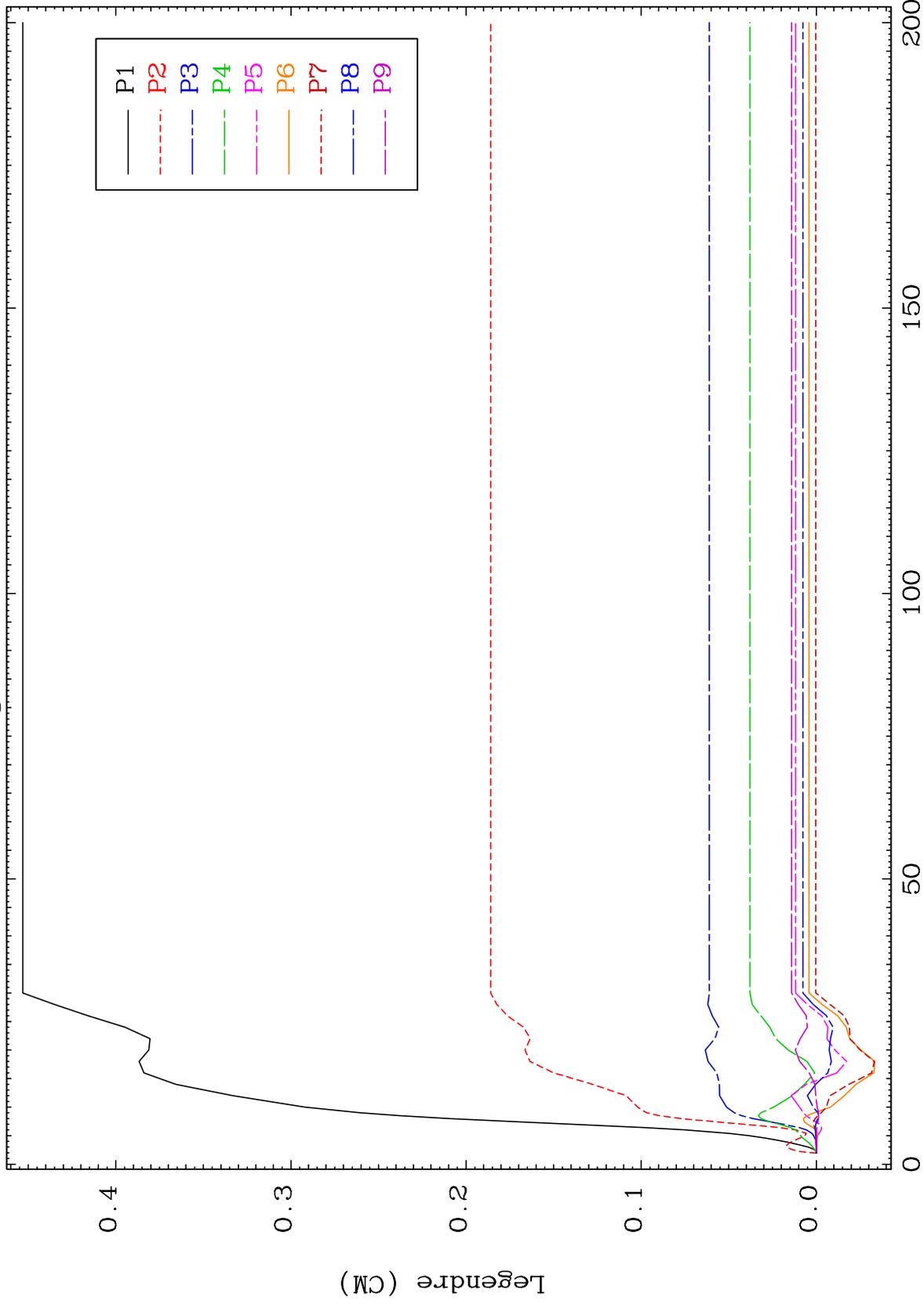




MAT 5155

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

51-Sb-131



93

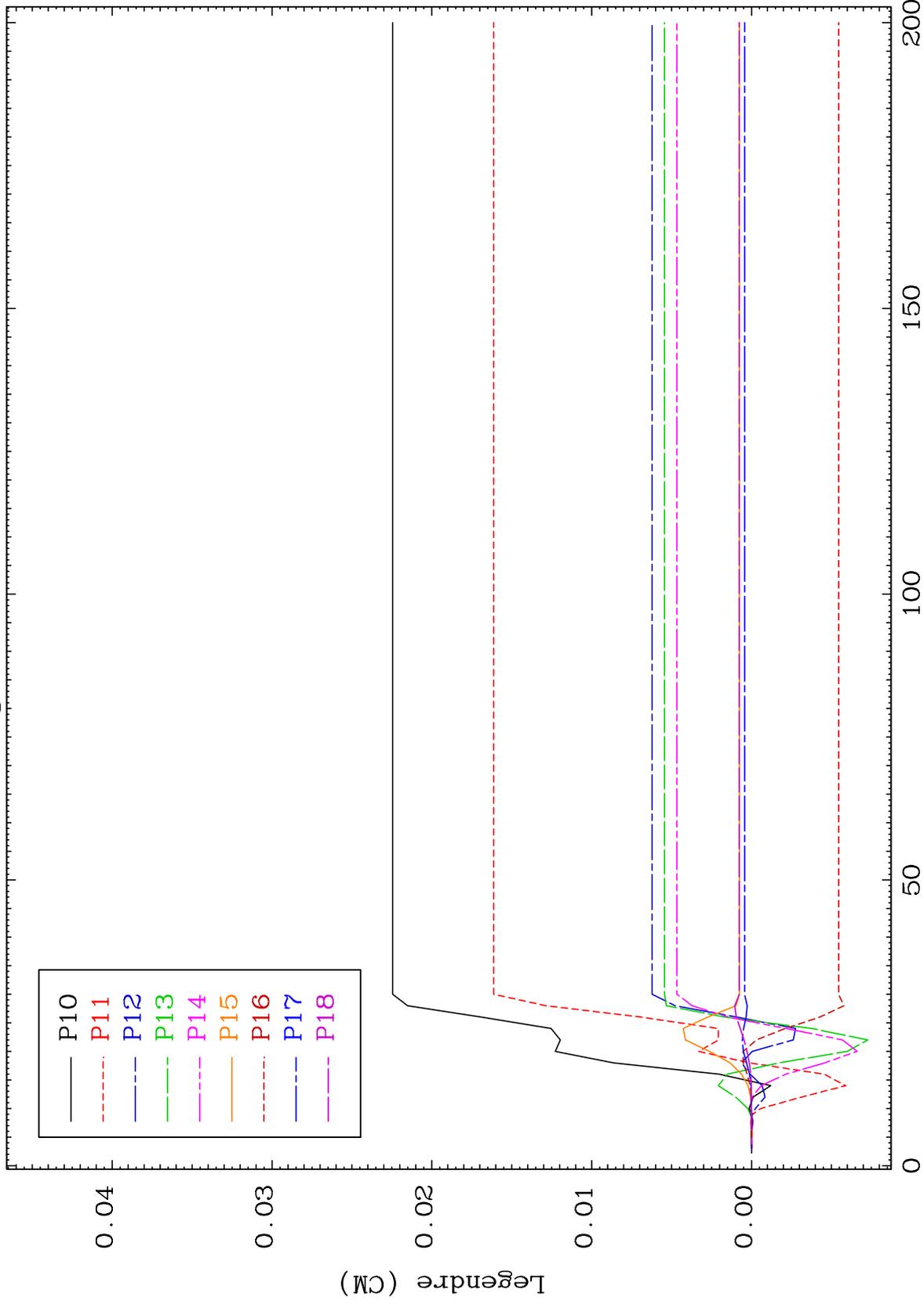
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

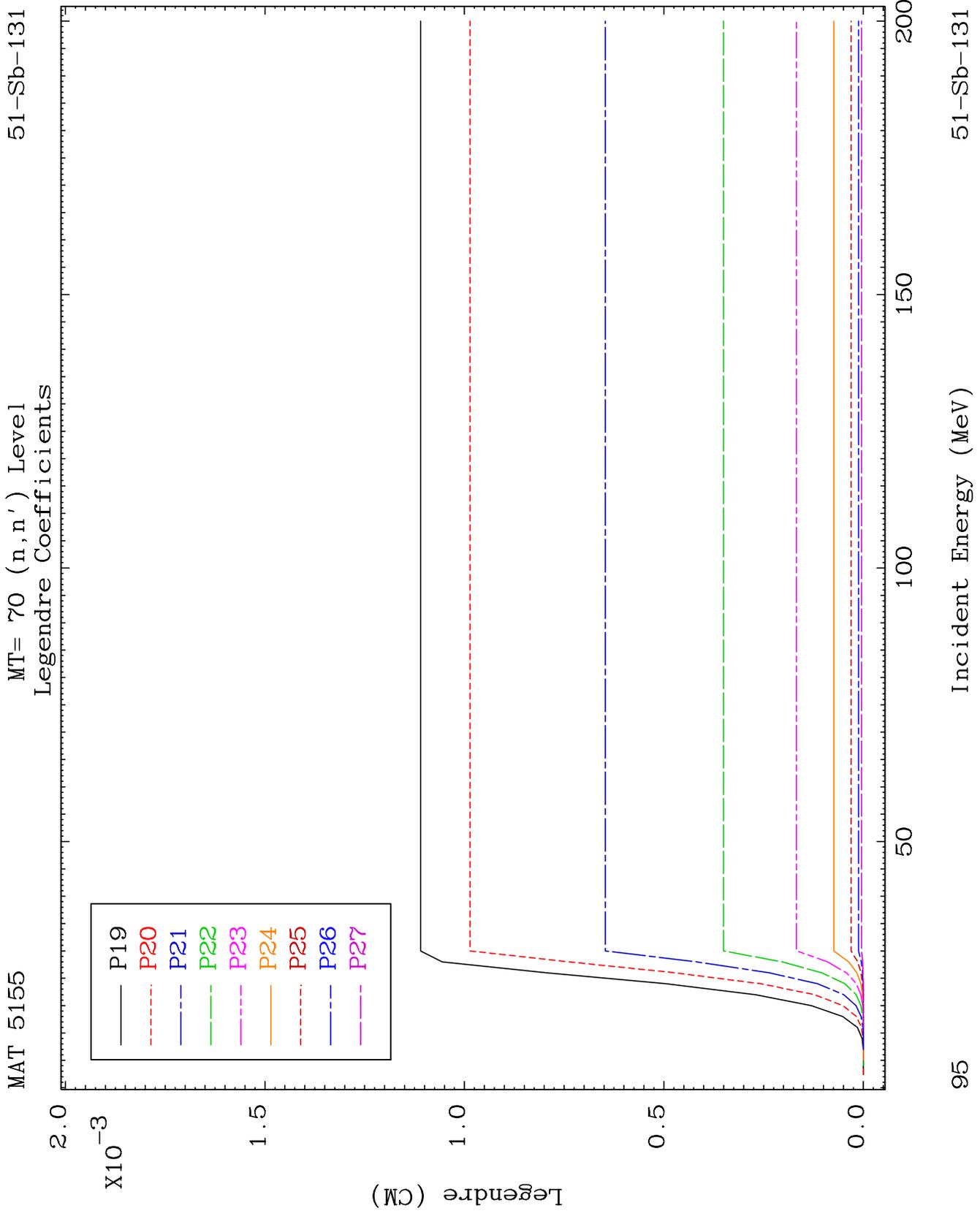
51-Sb-131



94

Incident Energy (MeV)

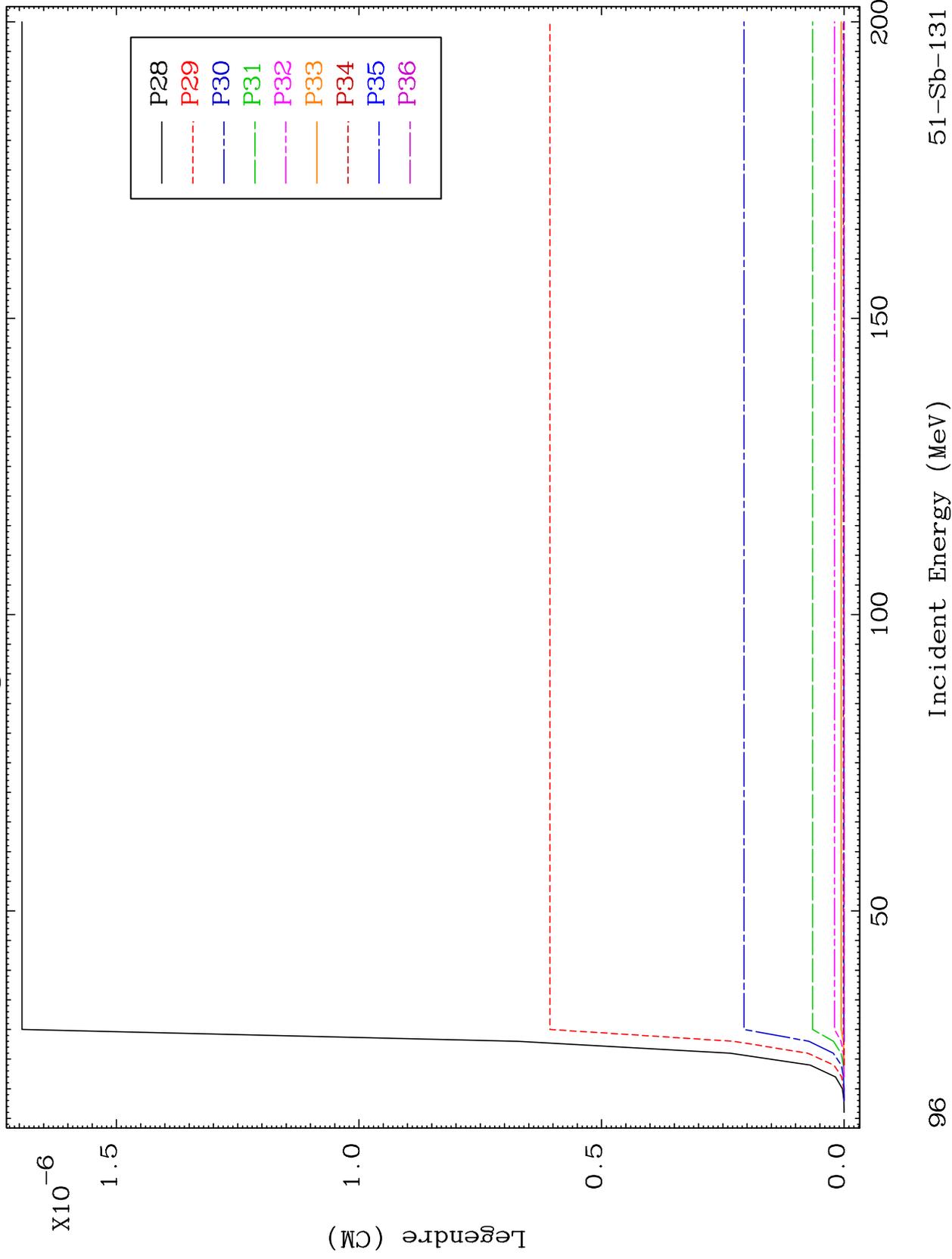
51-Sb-131



MAT 5155

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

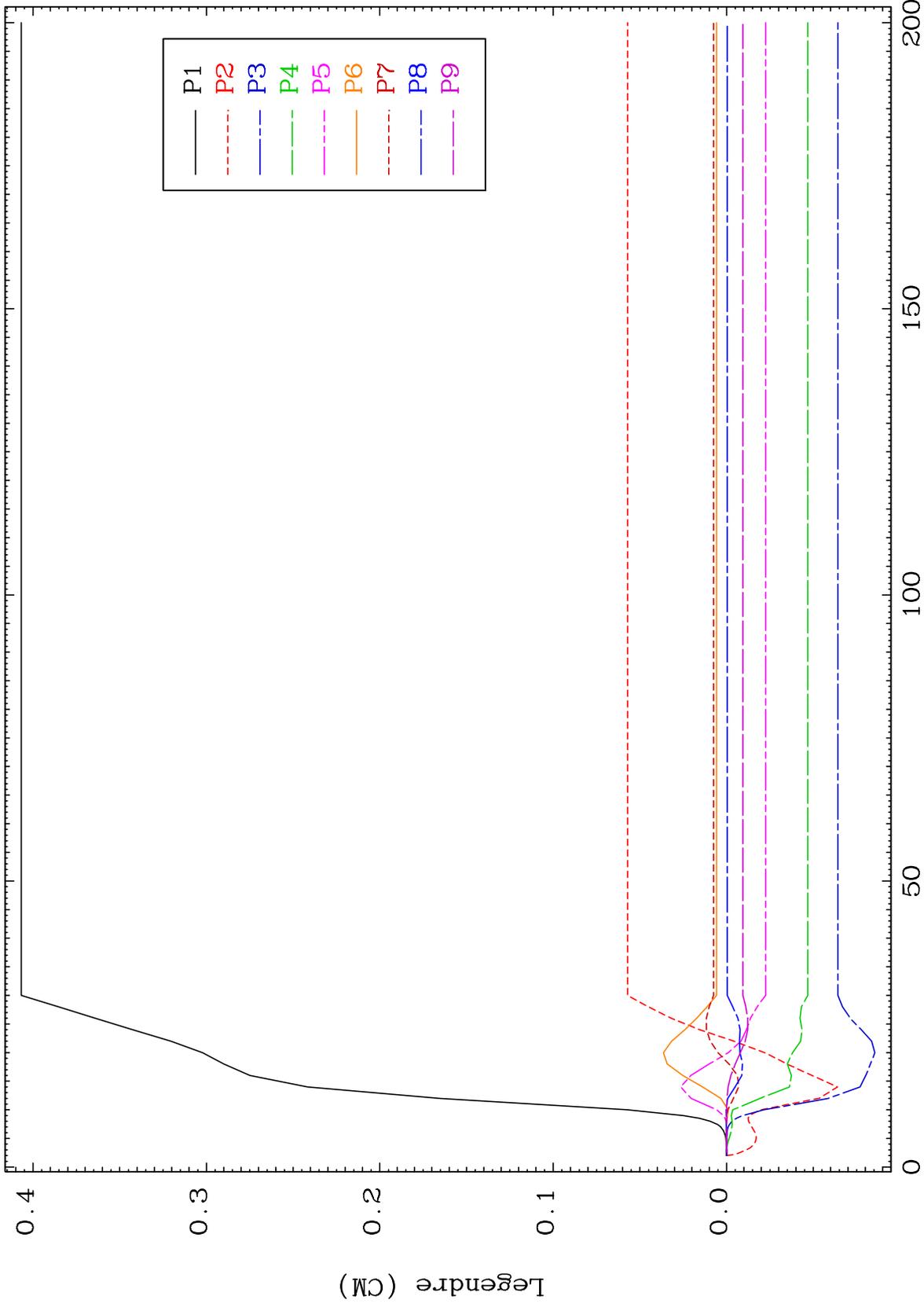
51-Sb-131



MAT 5155

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

51-Sb-131

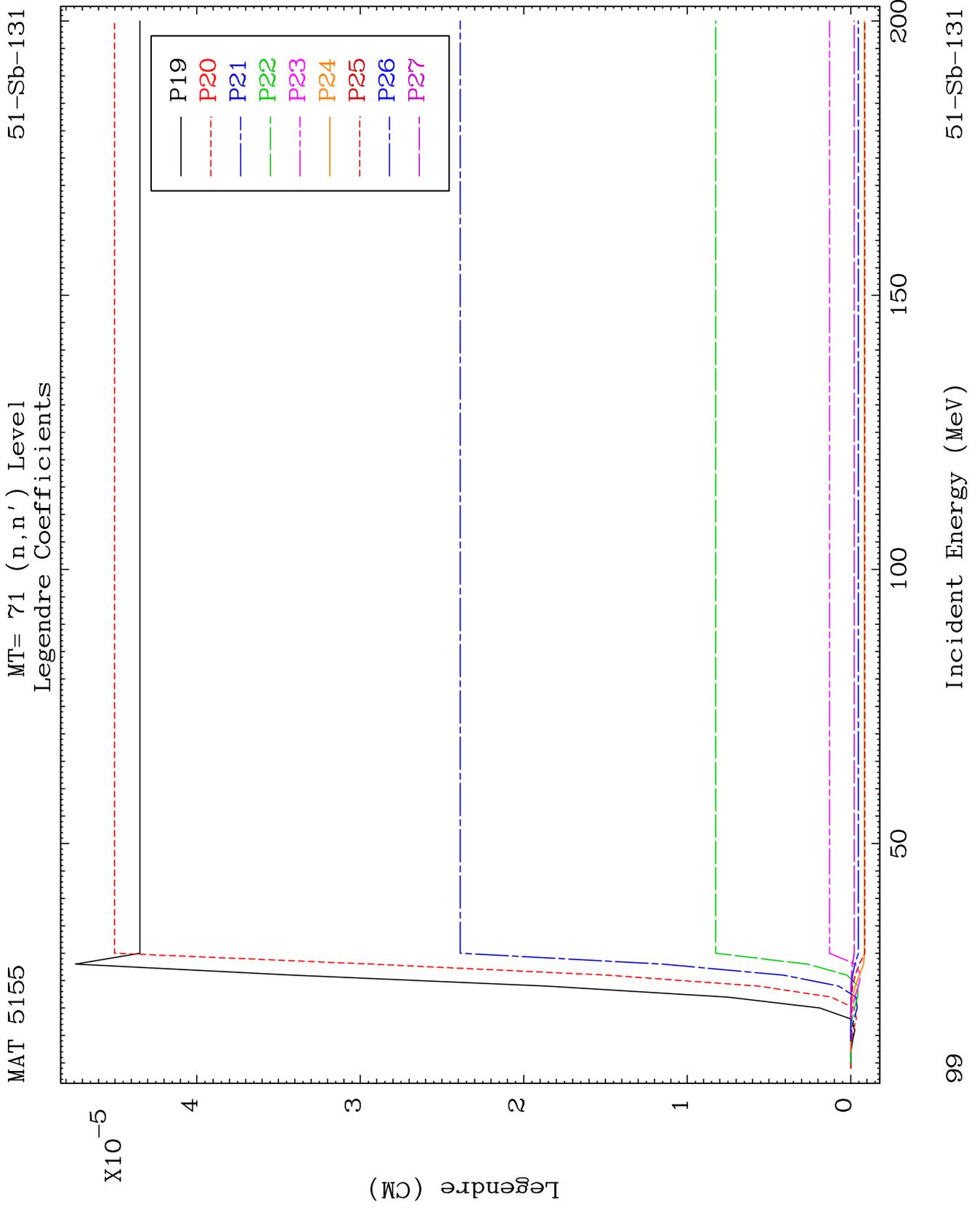


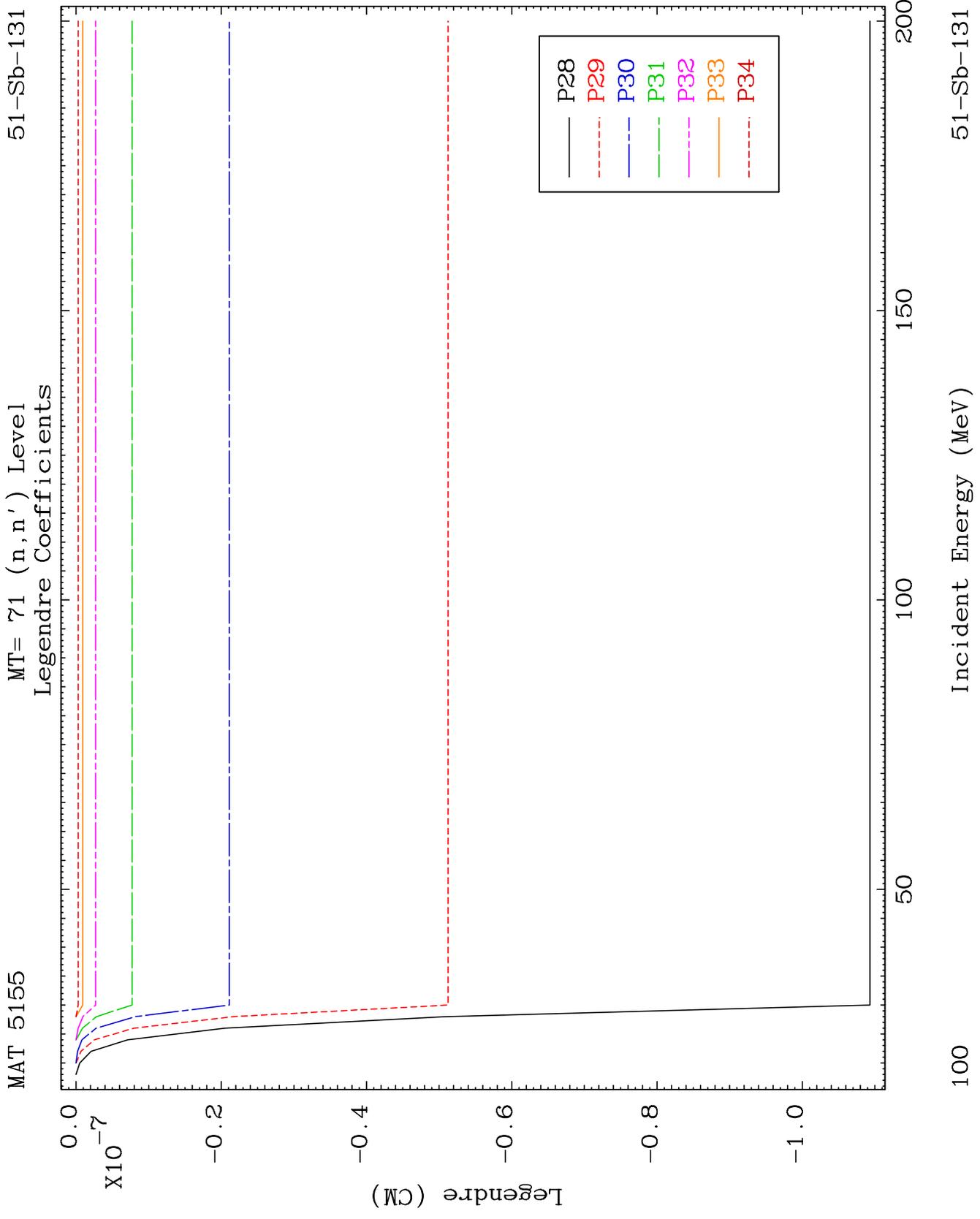
97

Incident Energy (MeV)

51-Sb-131



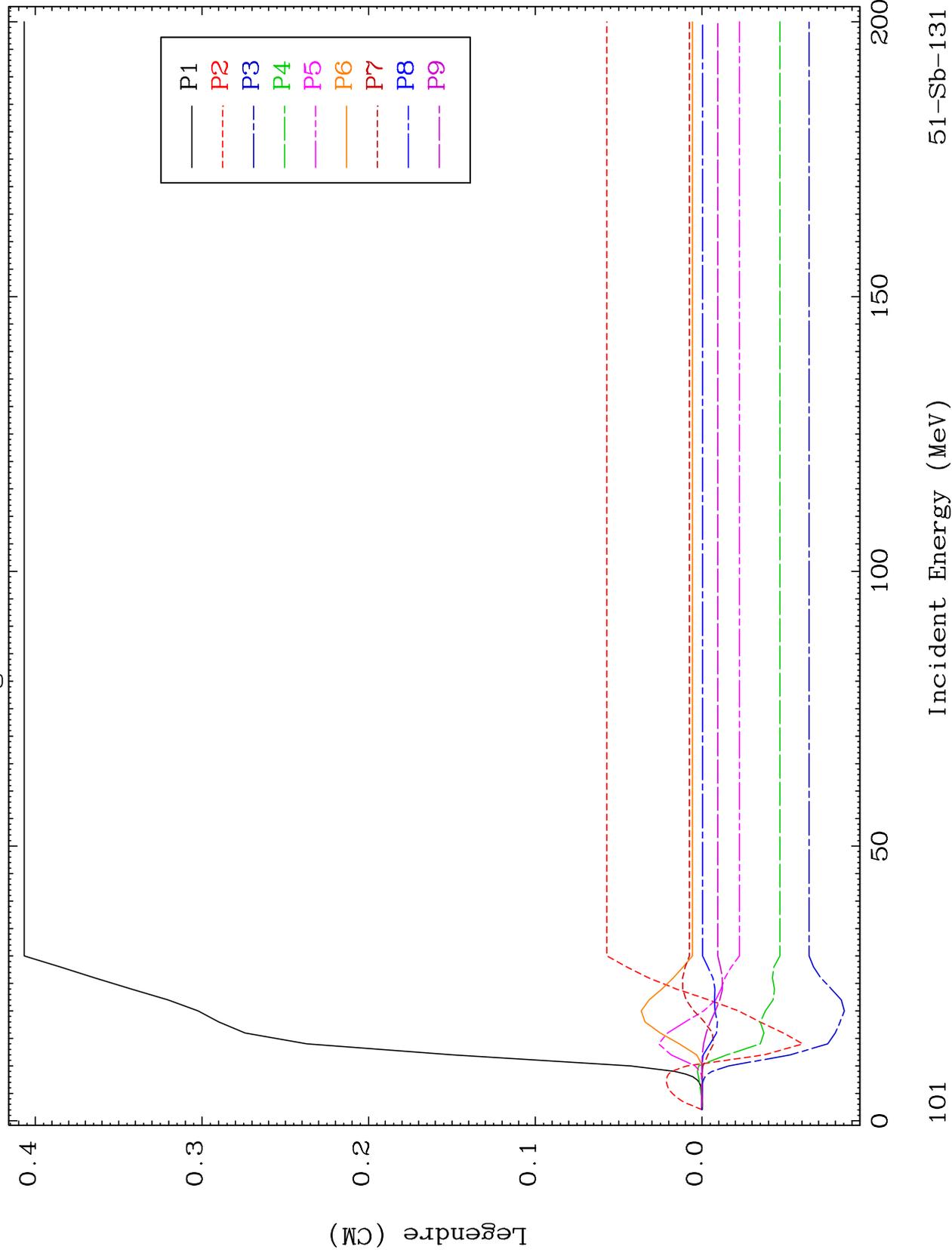




MAT 5155

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

51-Sb-131



51-Sb-131

Incident Energy (MeV)

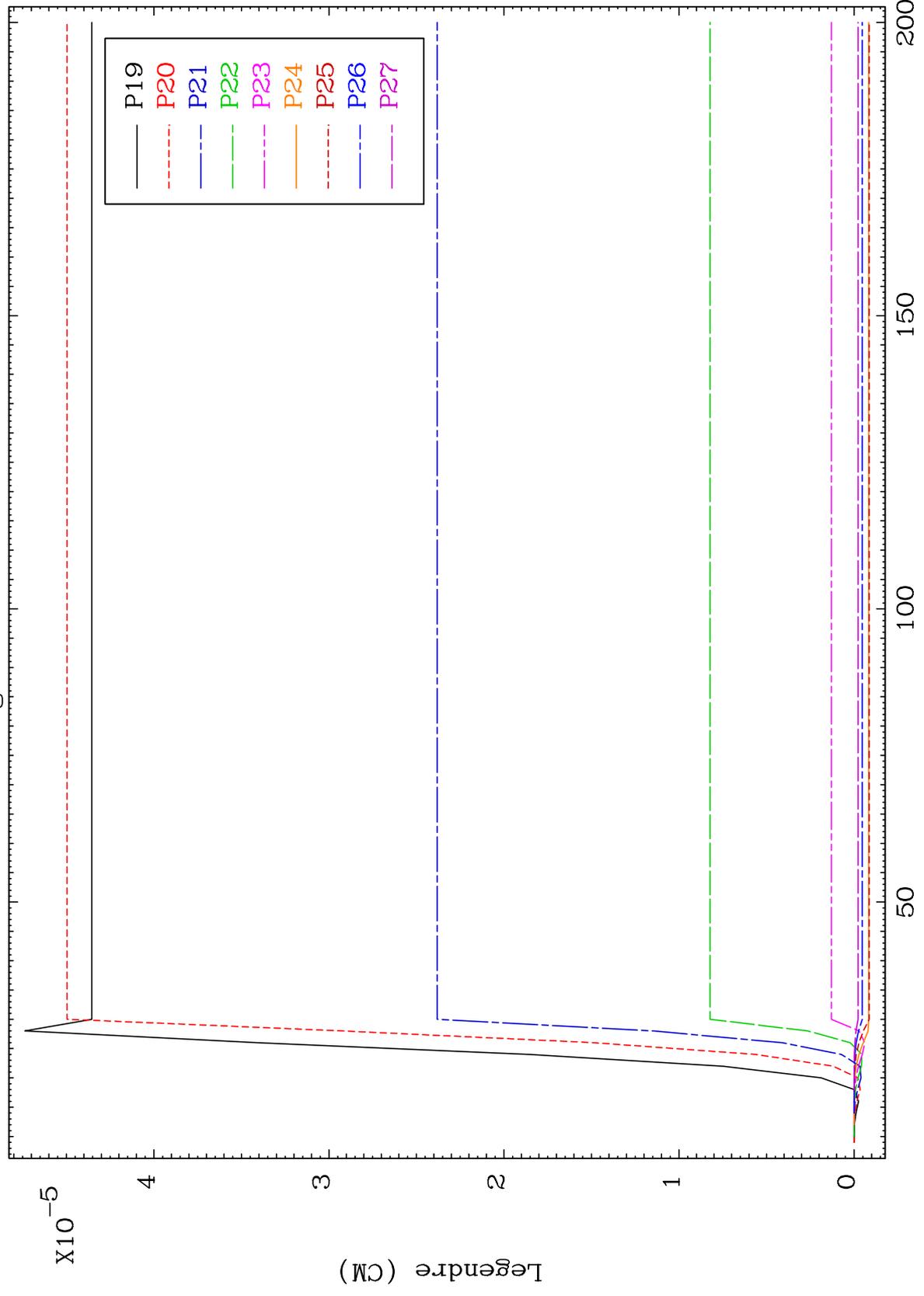
101



MAT 5155

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

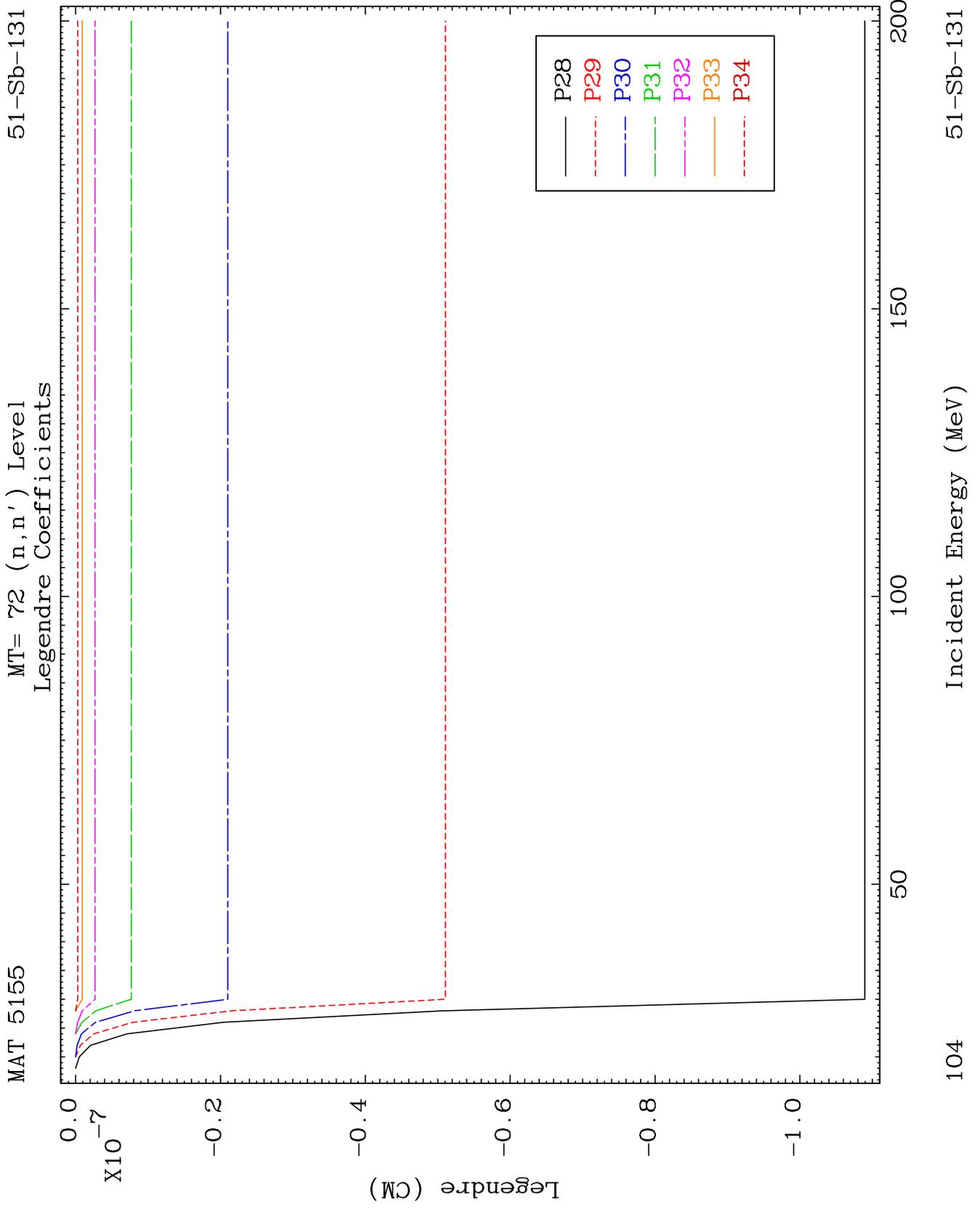
51-Sb-131



103

Incident Energy (MeV)

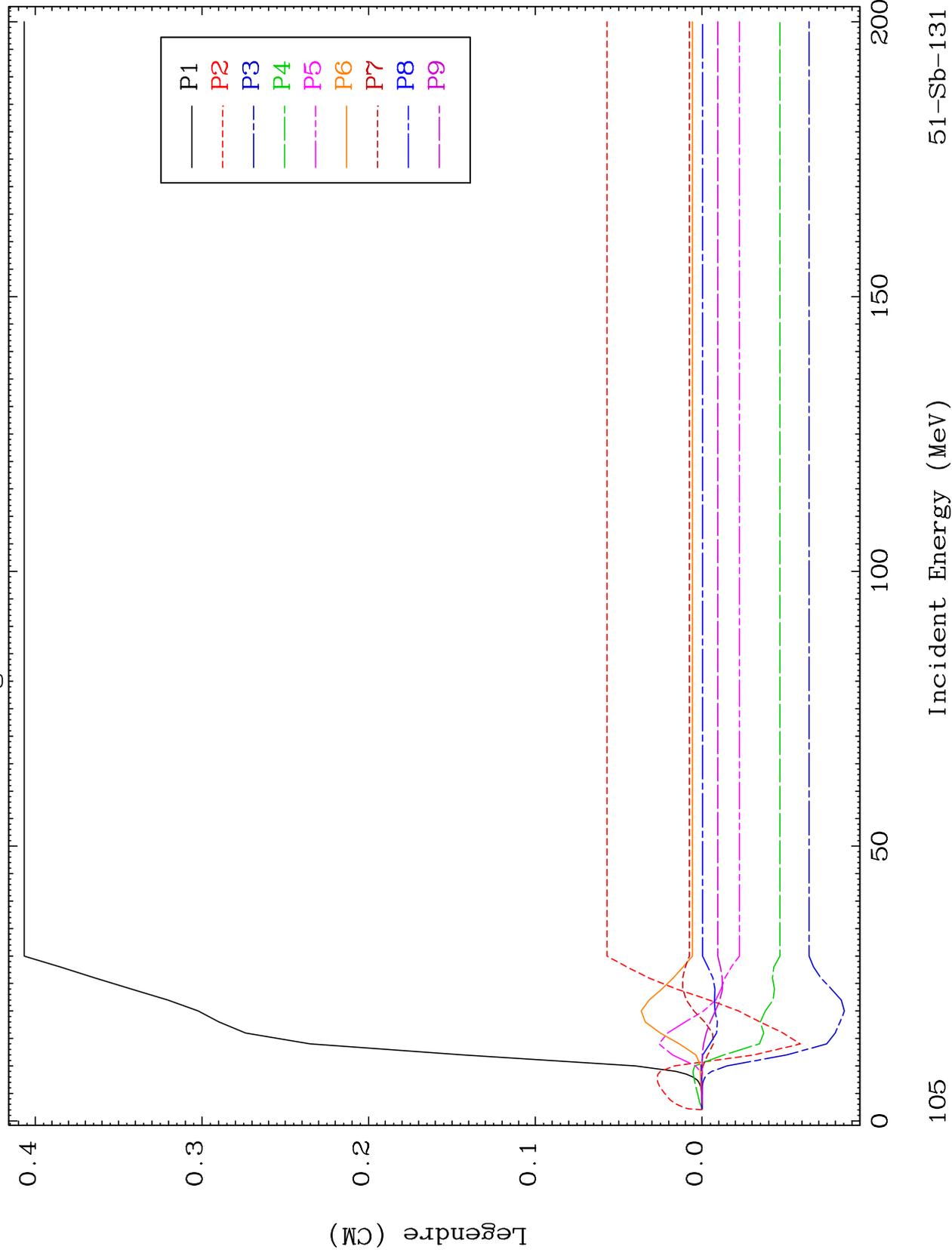
51-Sb-131



MAT 5155

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

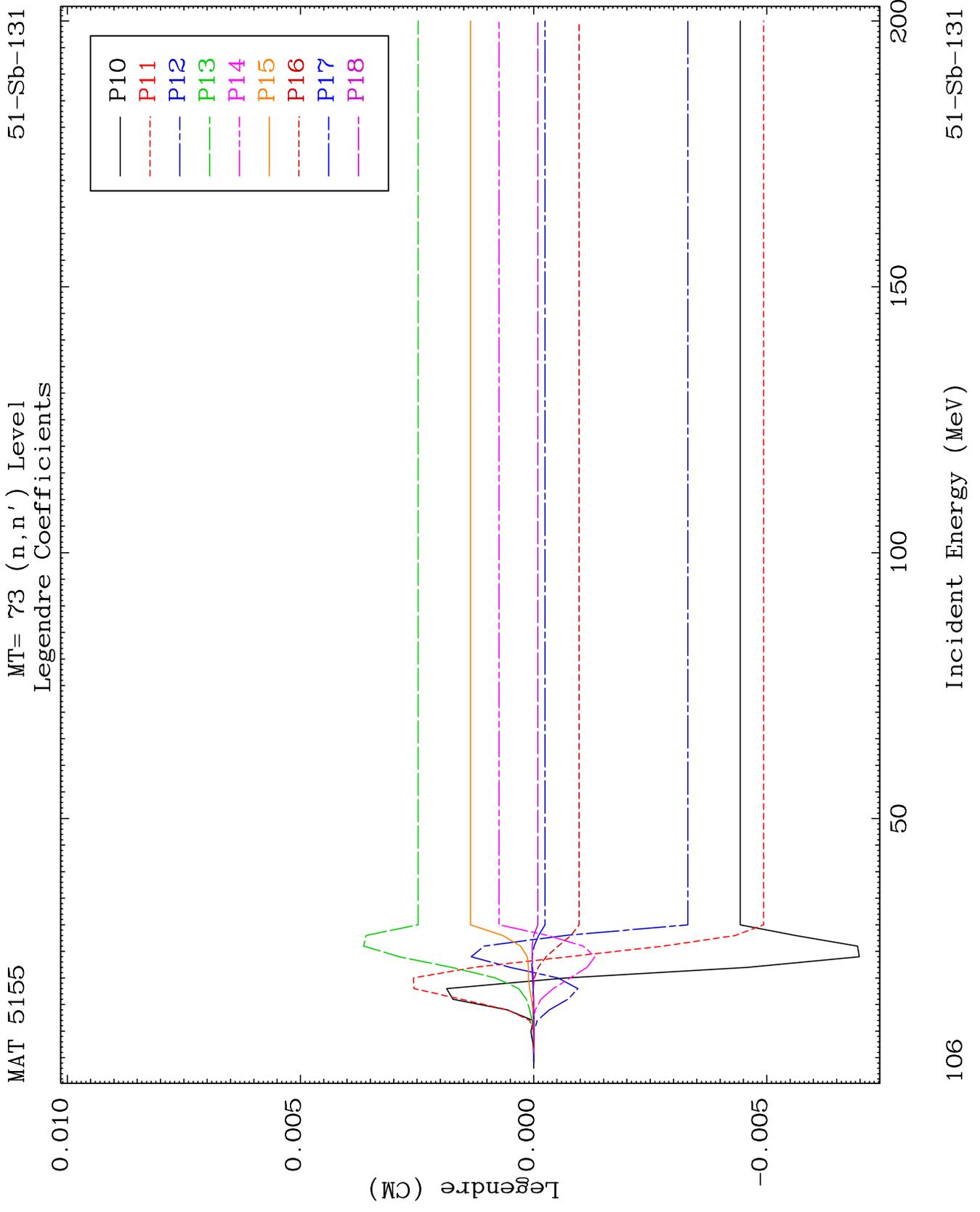
51-Sb-131



51-Sb-131

Incident Energy (MeV)

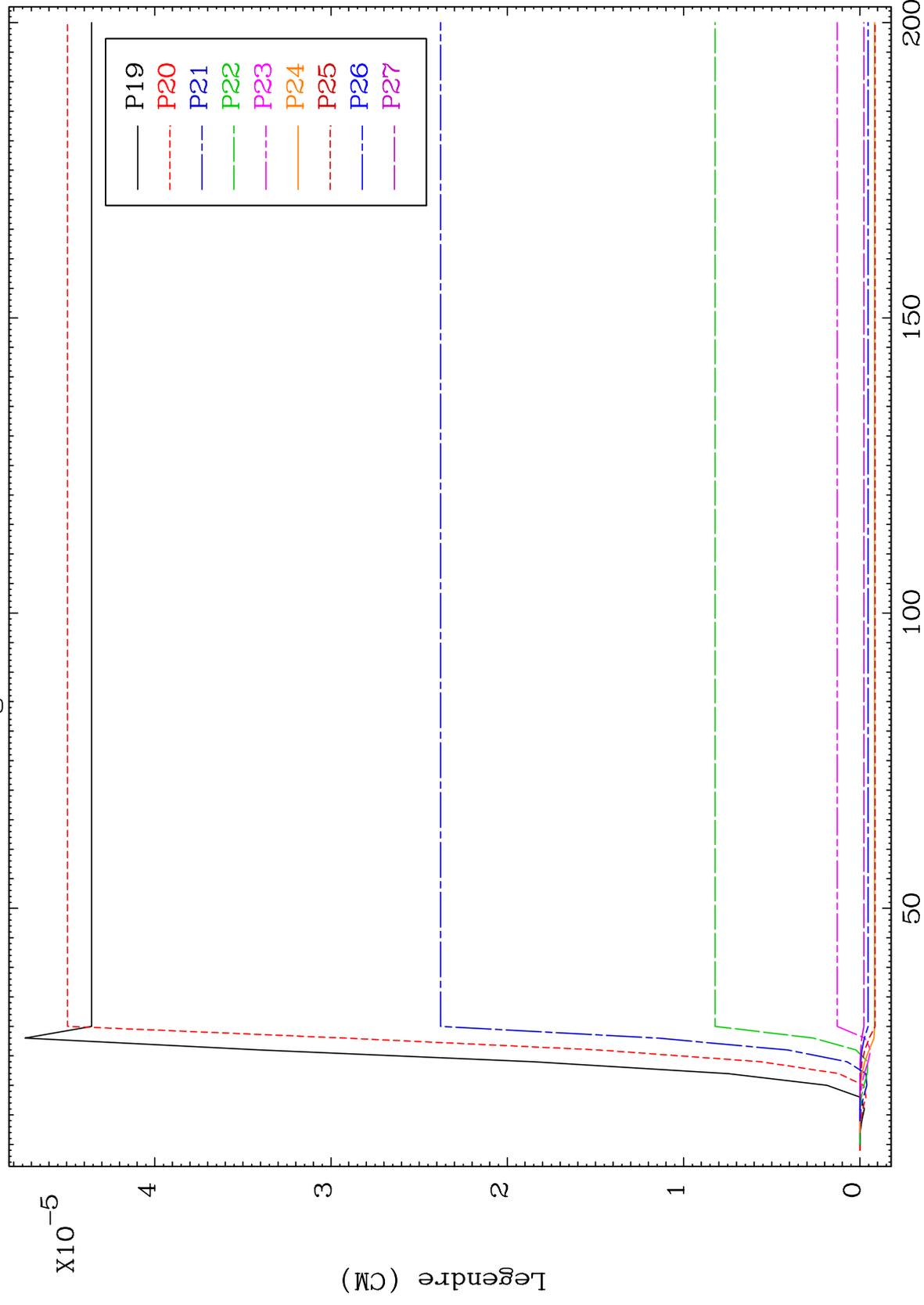
105



MAT 5155

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

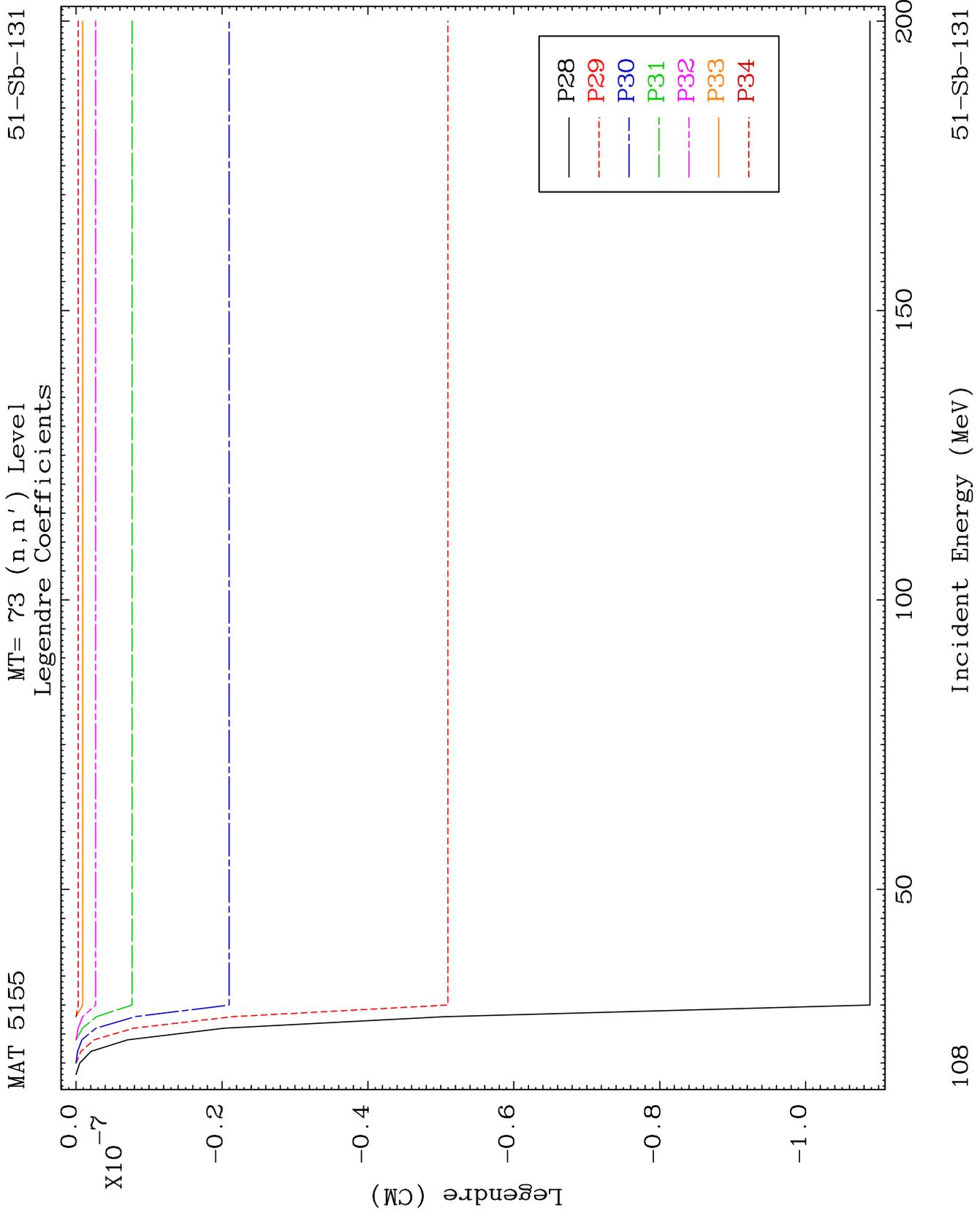
51-Sb-131



107

Incident Energy (MeV)

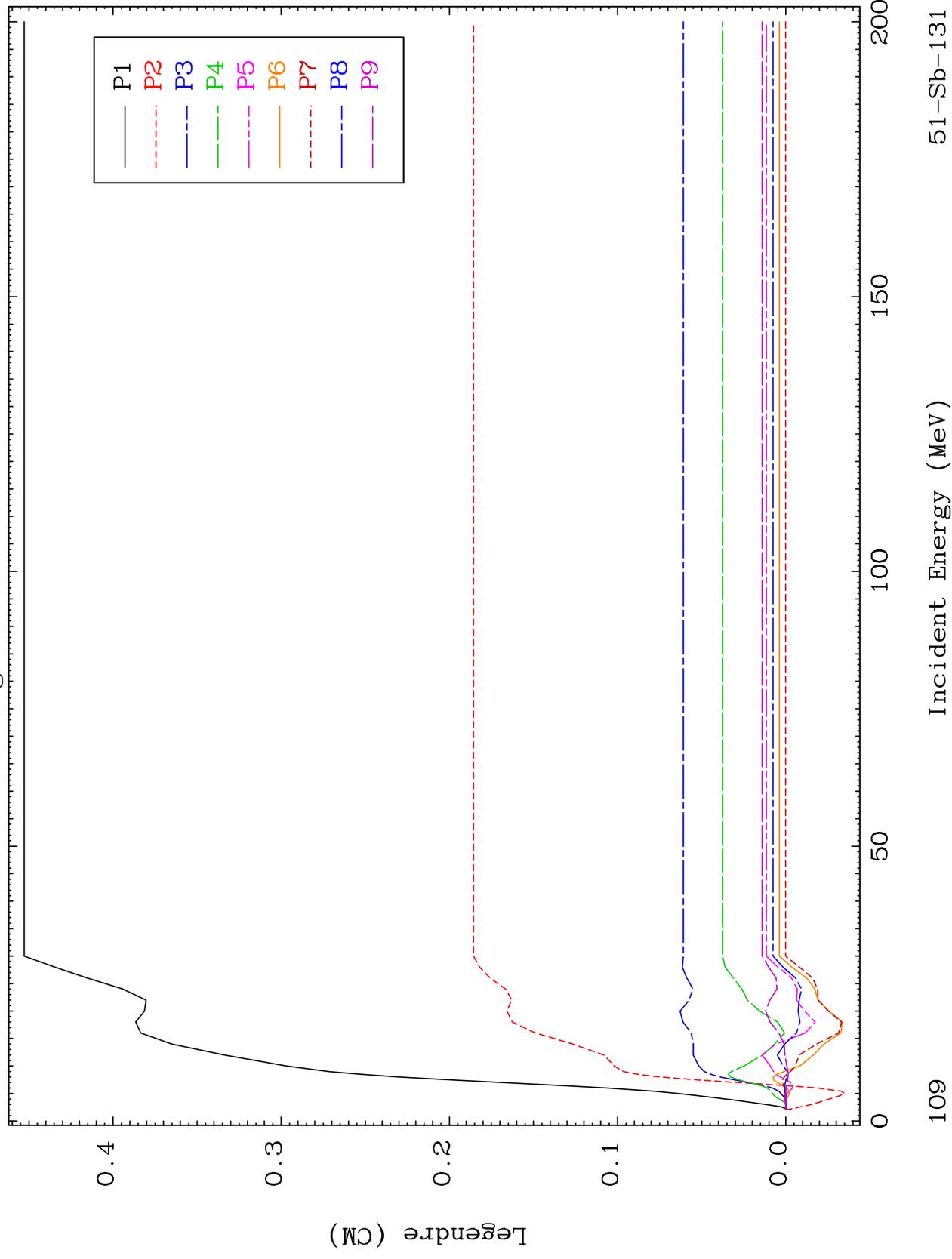
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

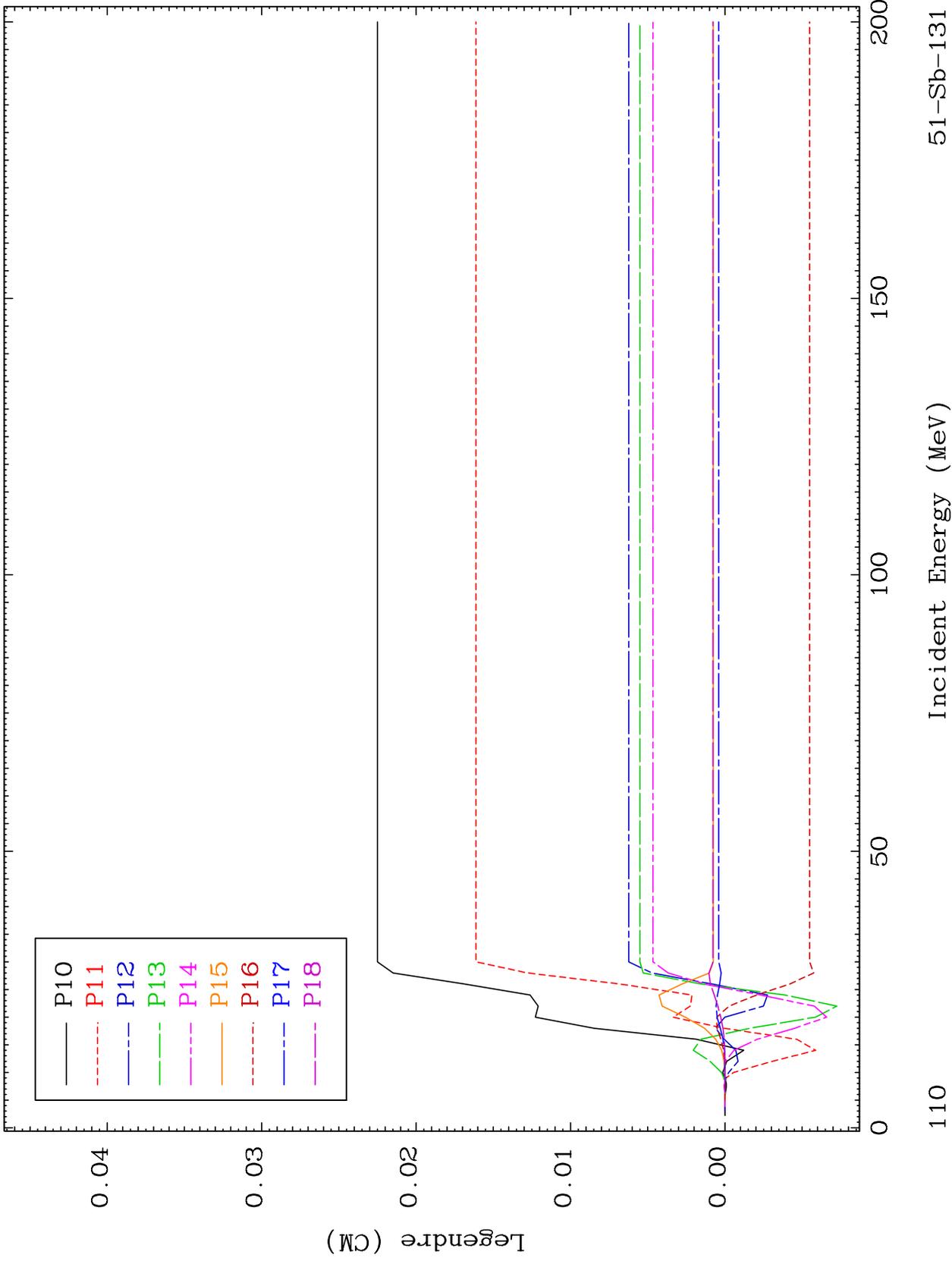
Incident Energy (MeV)

109

MAT 5155

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

51-Sb-131



51-Sb-131

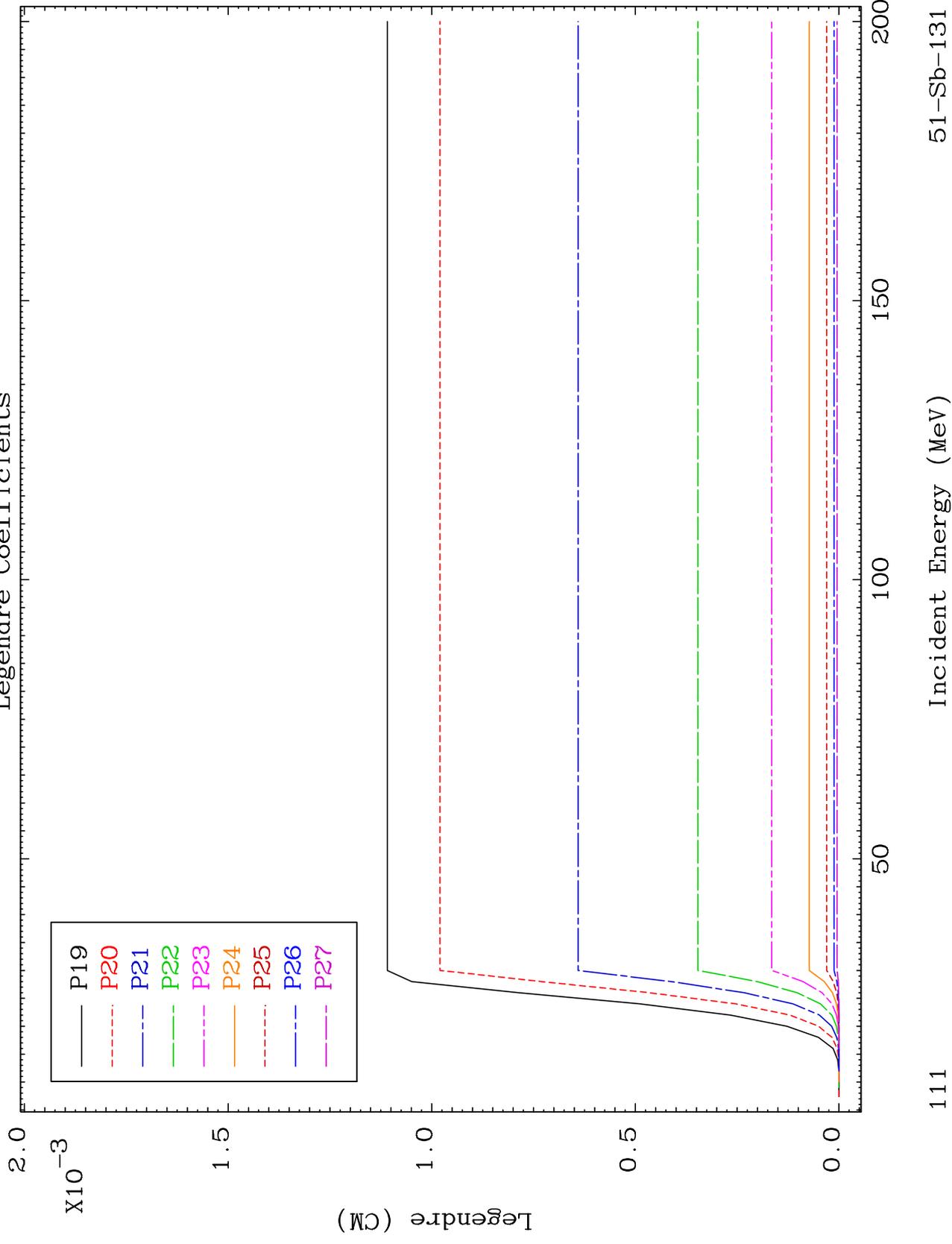
Incident Energy (MeV)

110

MAT 5155

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

51-Sb-131



111

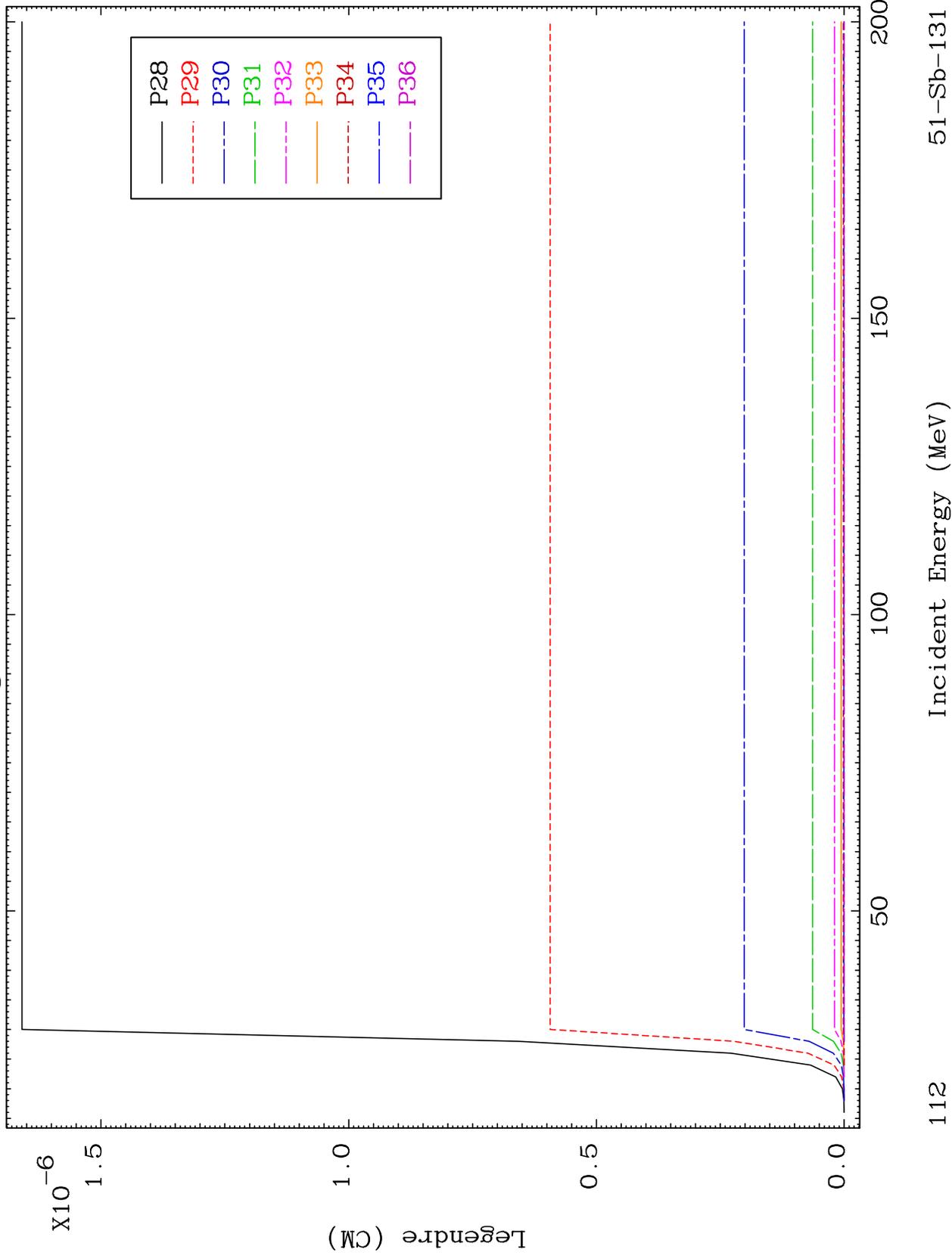
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

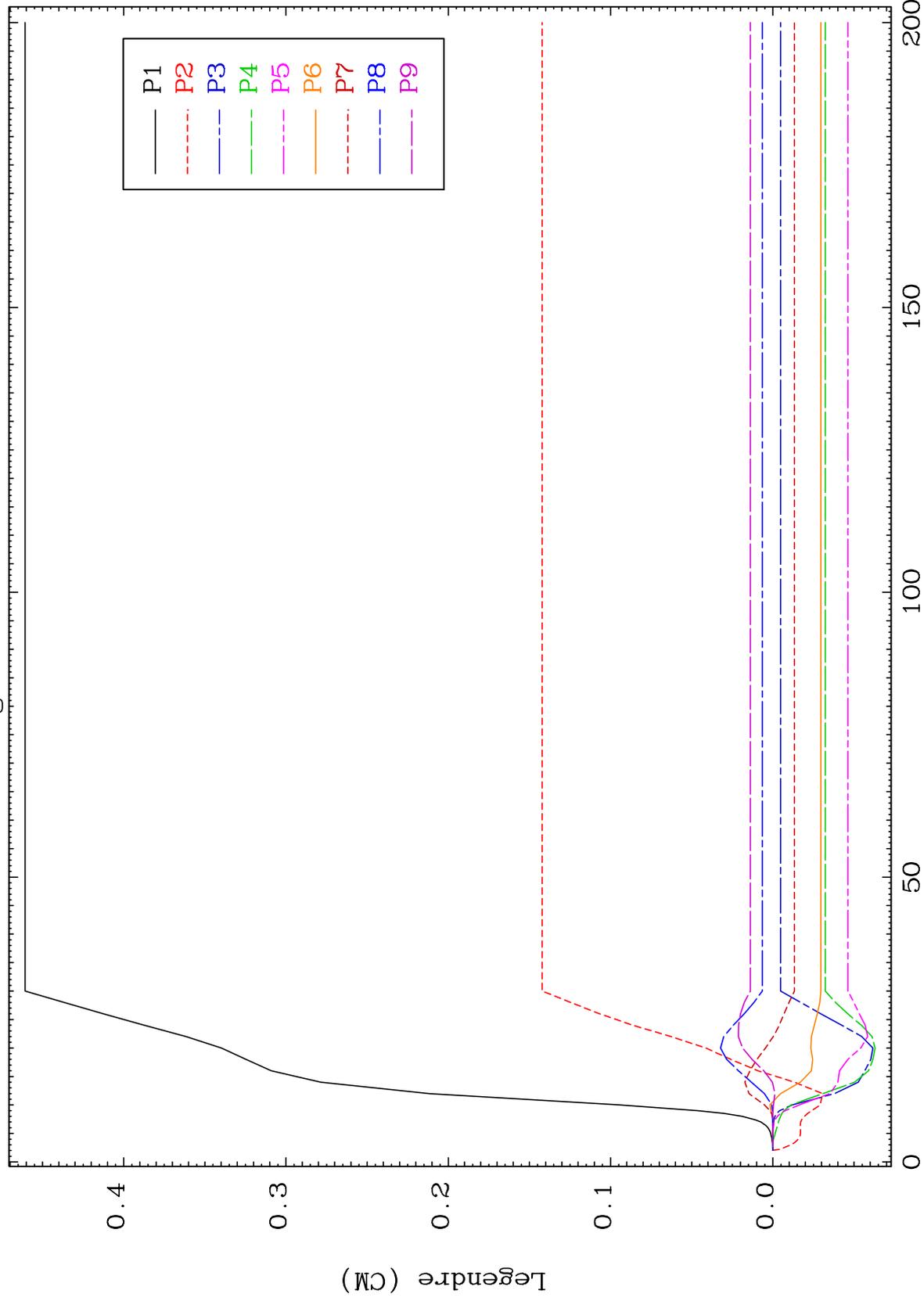


112

MAT 5155

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

51-Sb-131



113

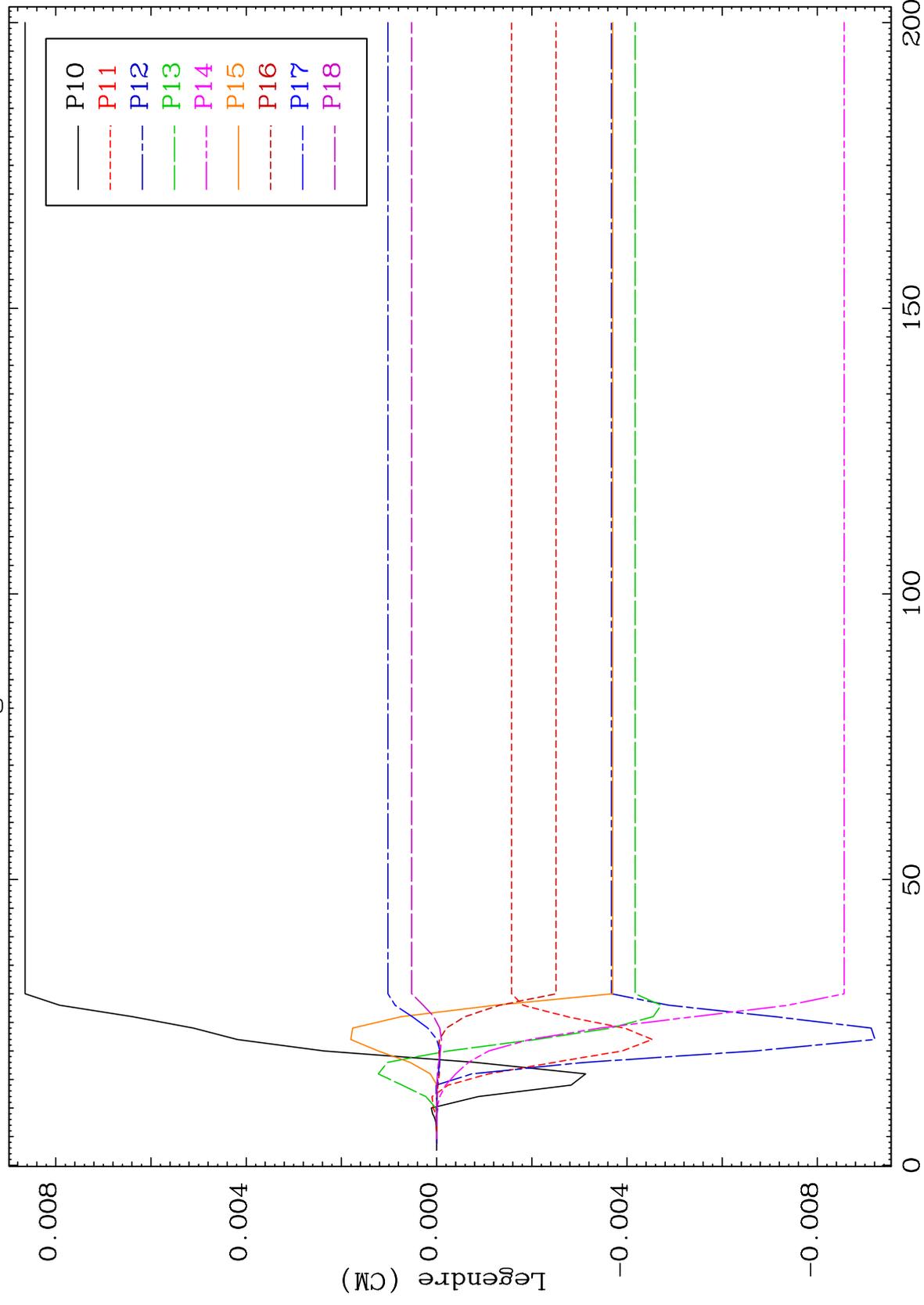
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



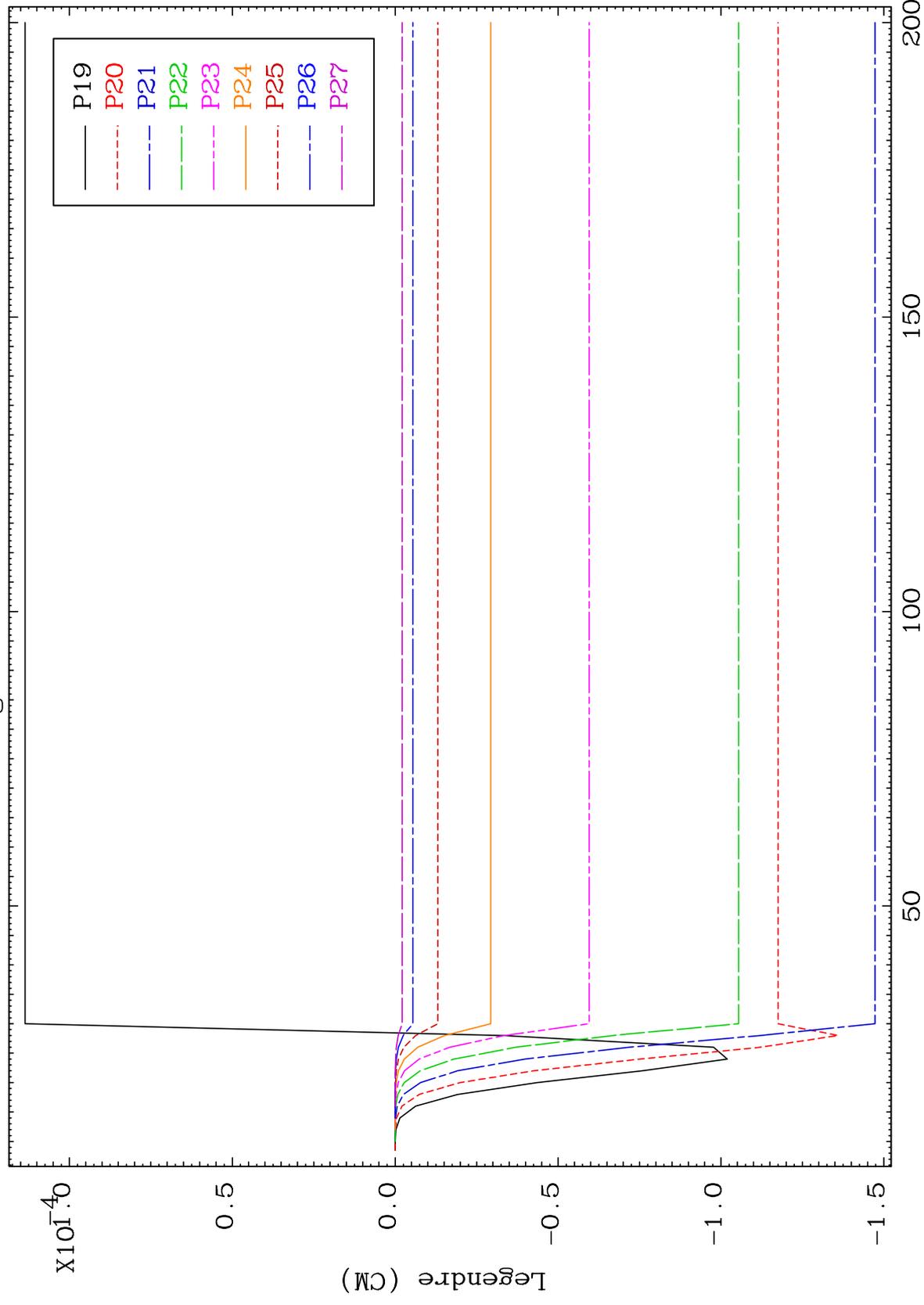
114

51-Sb-131

MAT 5155

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

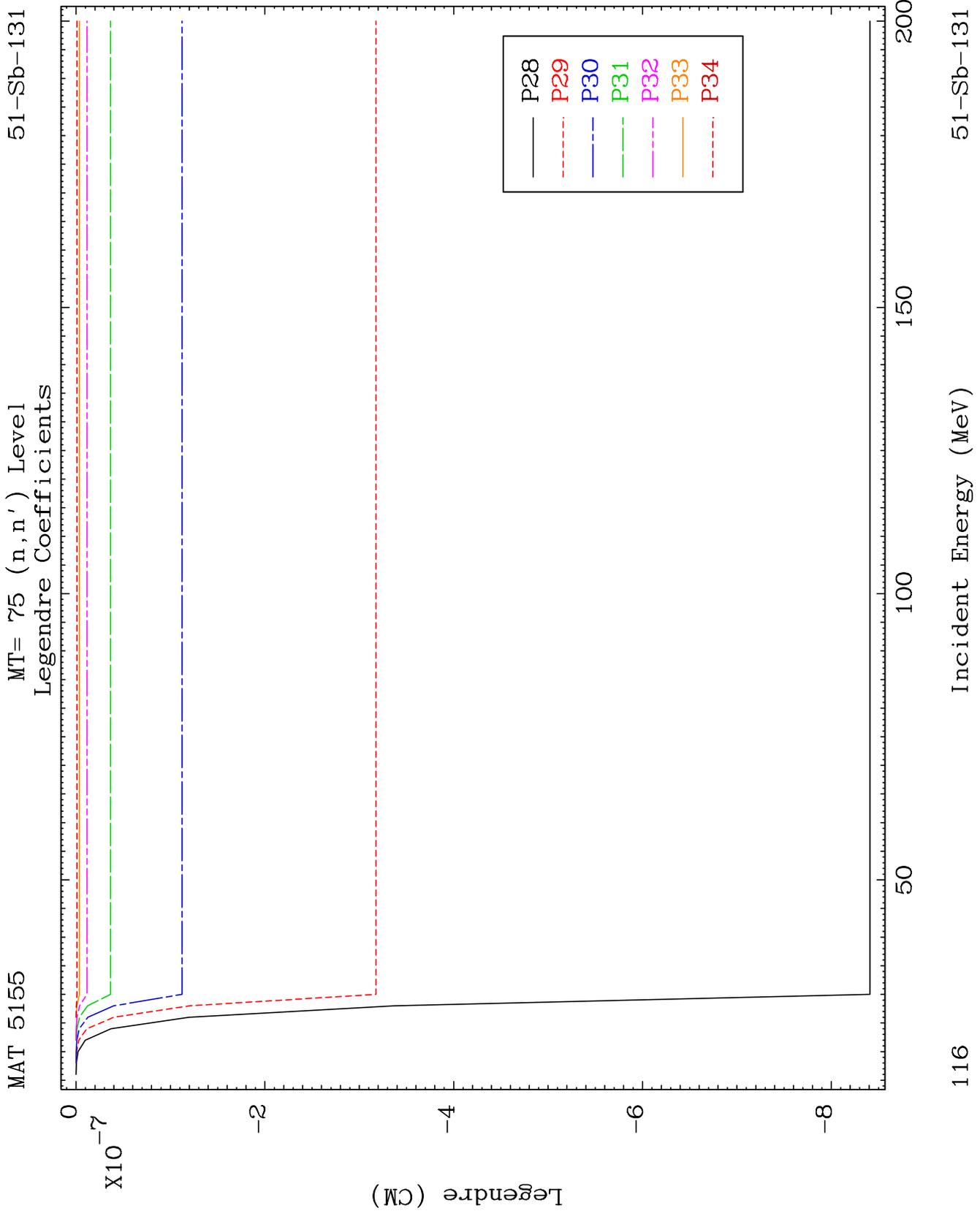
51-Sb-131



115

Incident Energy (MeV)

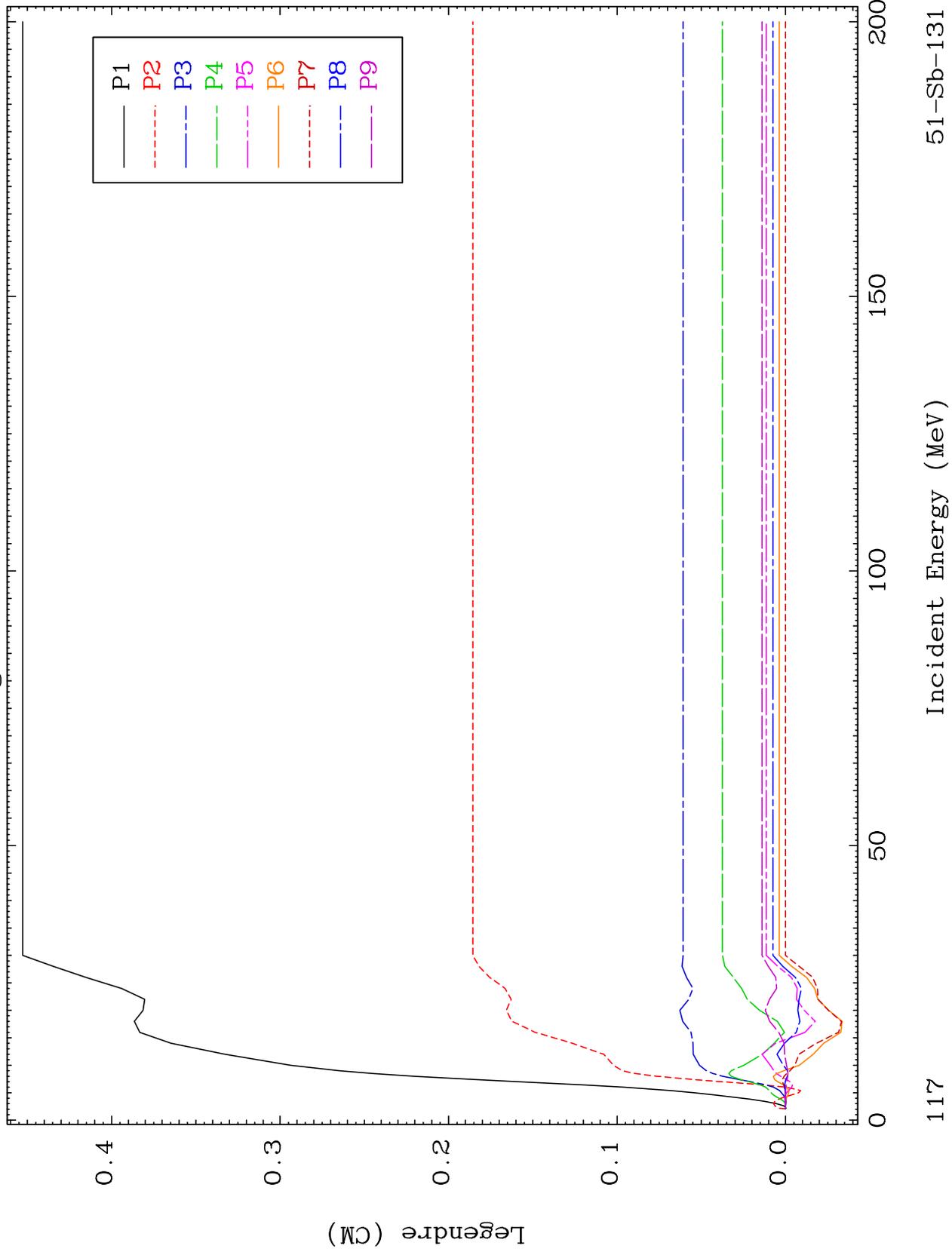
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

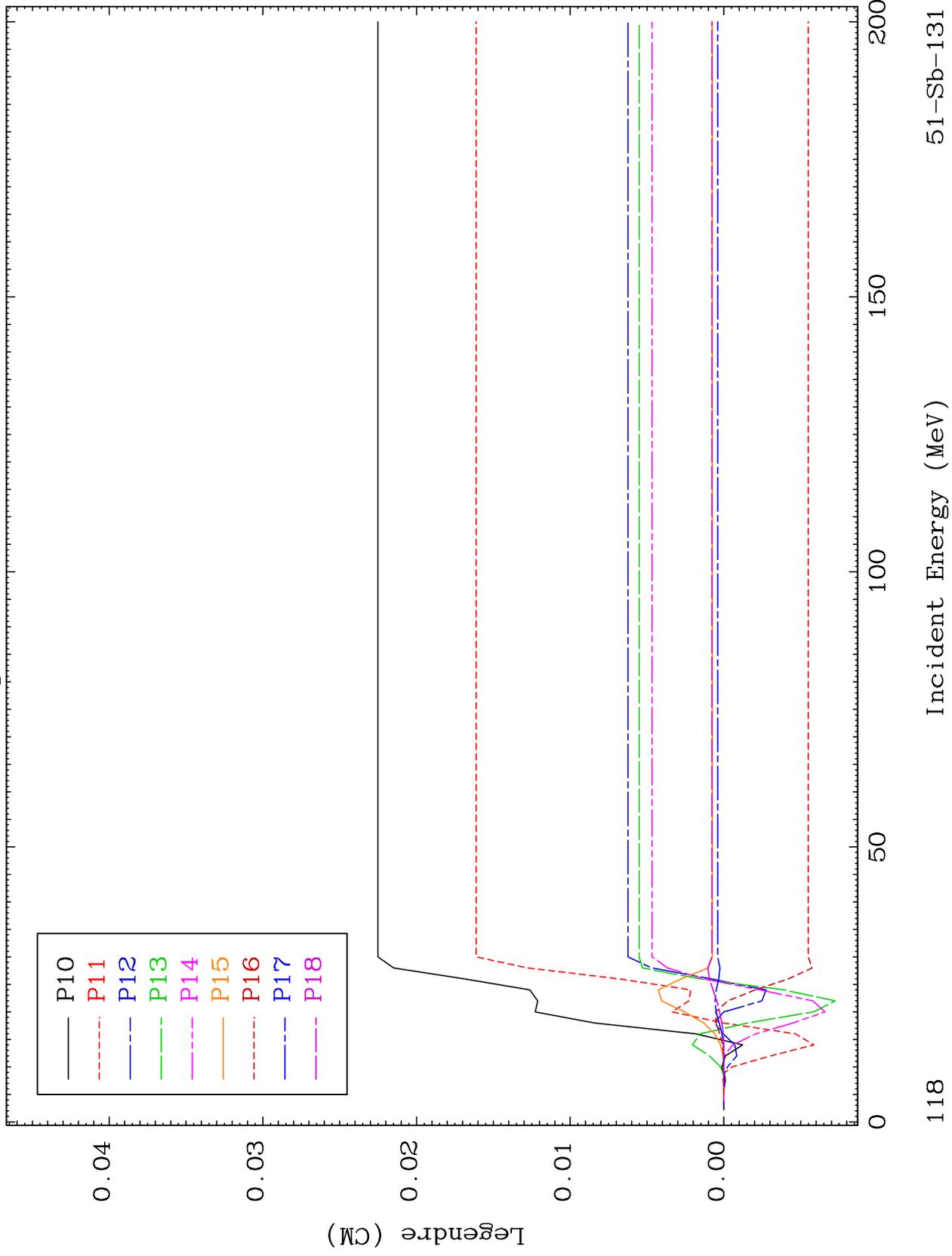
Incident Energy (MeV)

117

MAT 5155

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

51-Sb-131



118

Incident Energy (MeV)

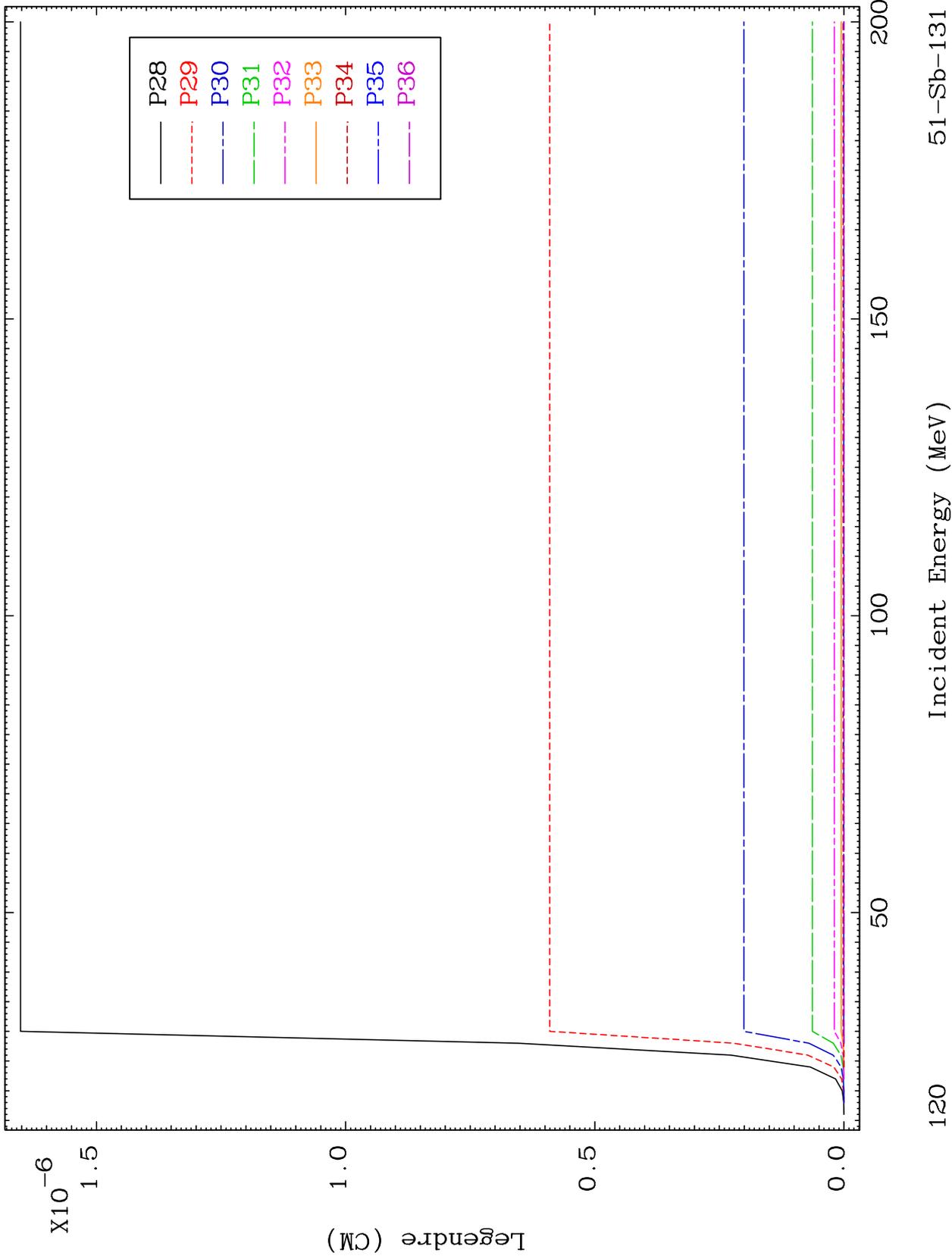
51-Sb-131



MAT 5155

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

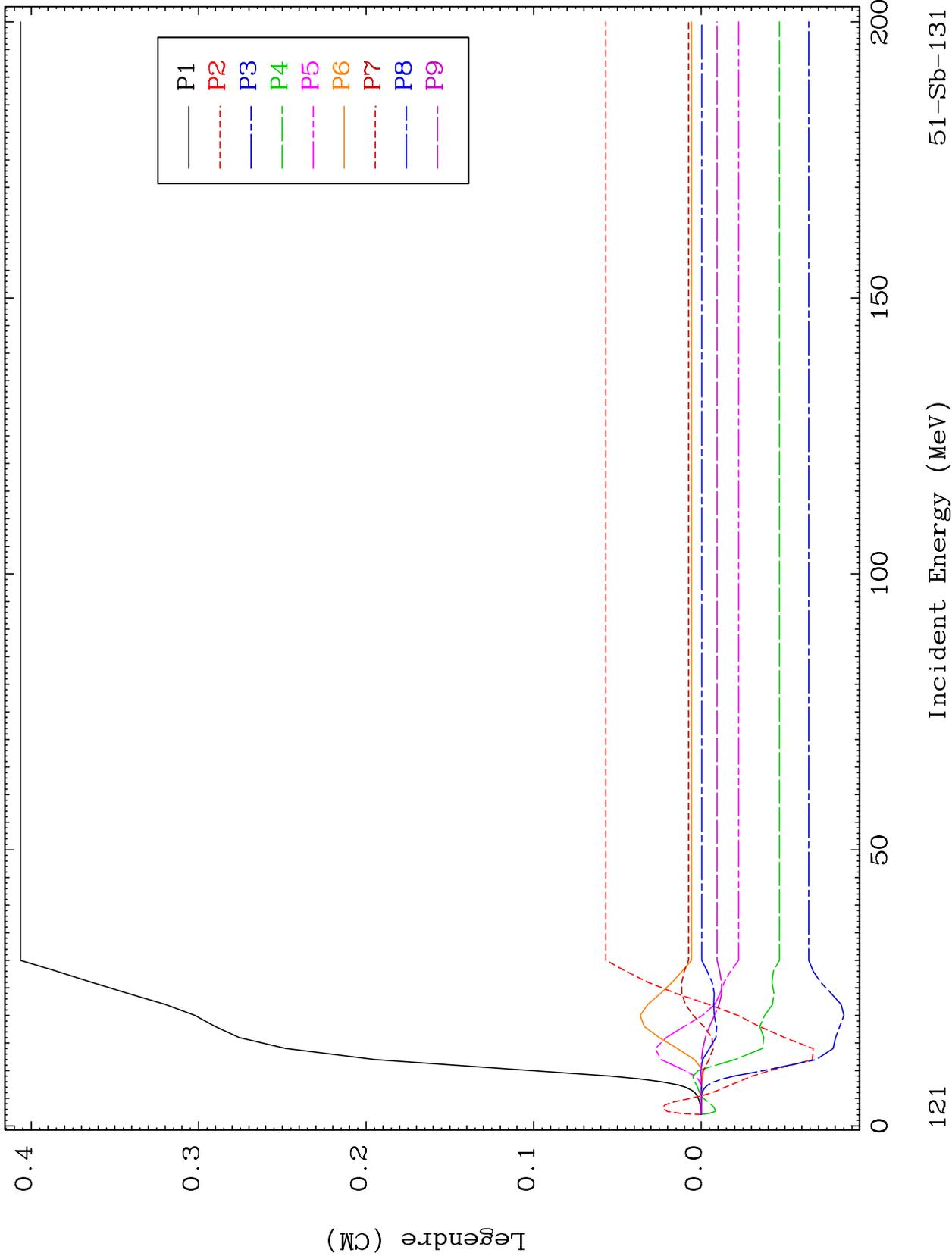
51-Sb-131



MAT 5155

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

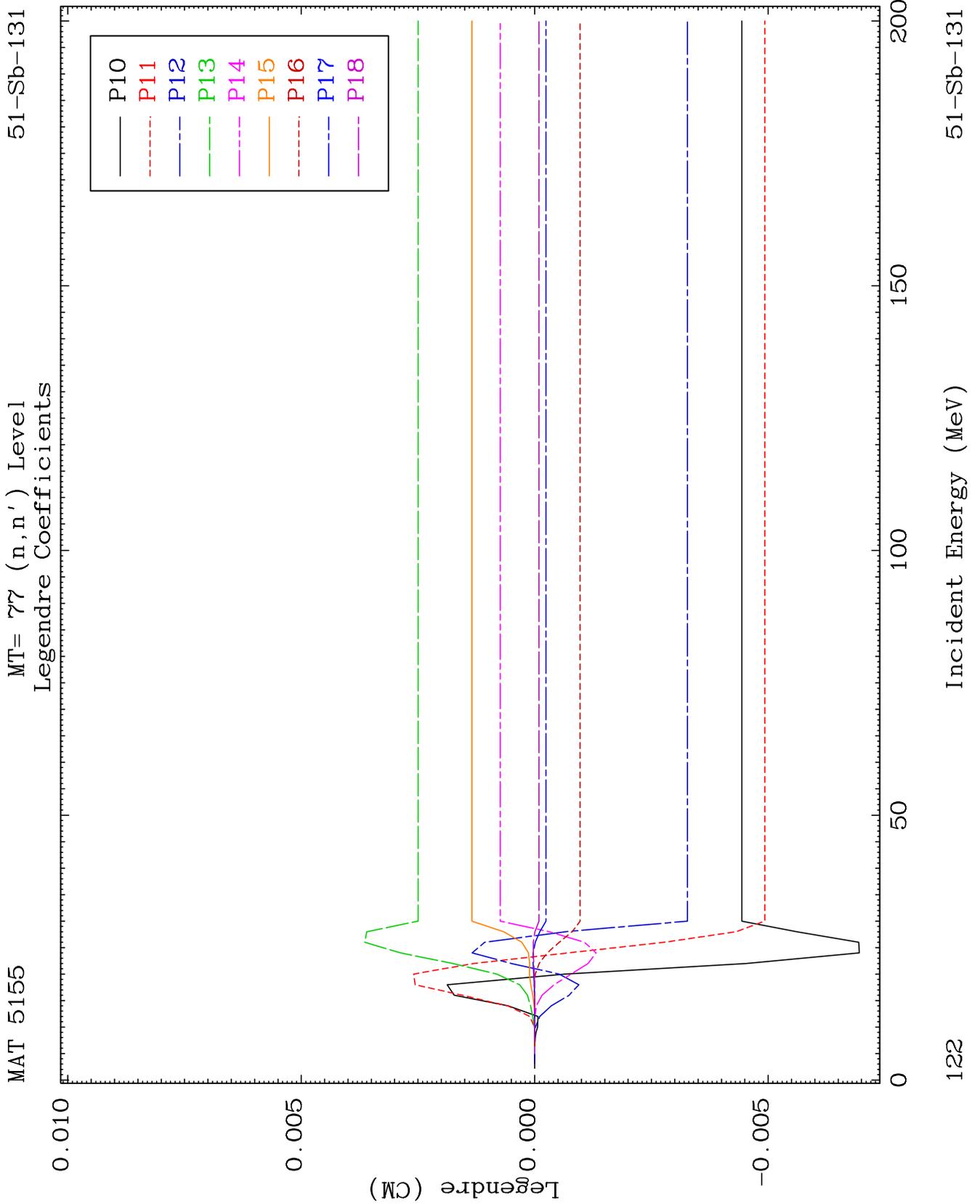
51-Sb-131



51-Sb-131

Incident Energy (MeV)

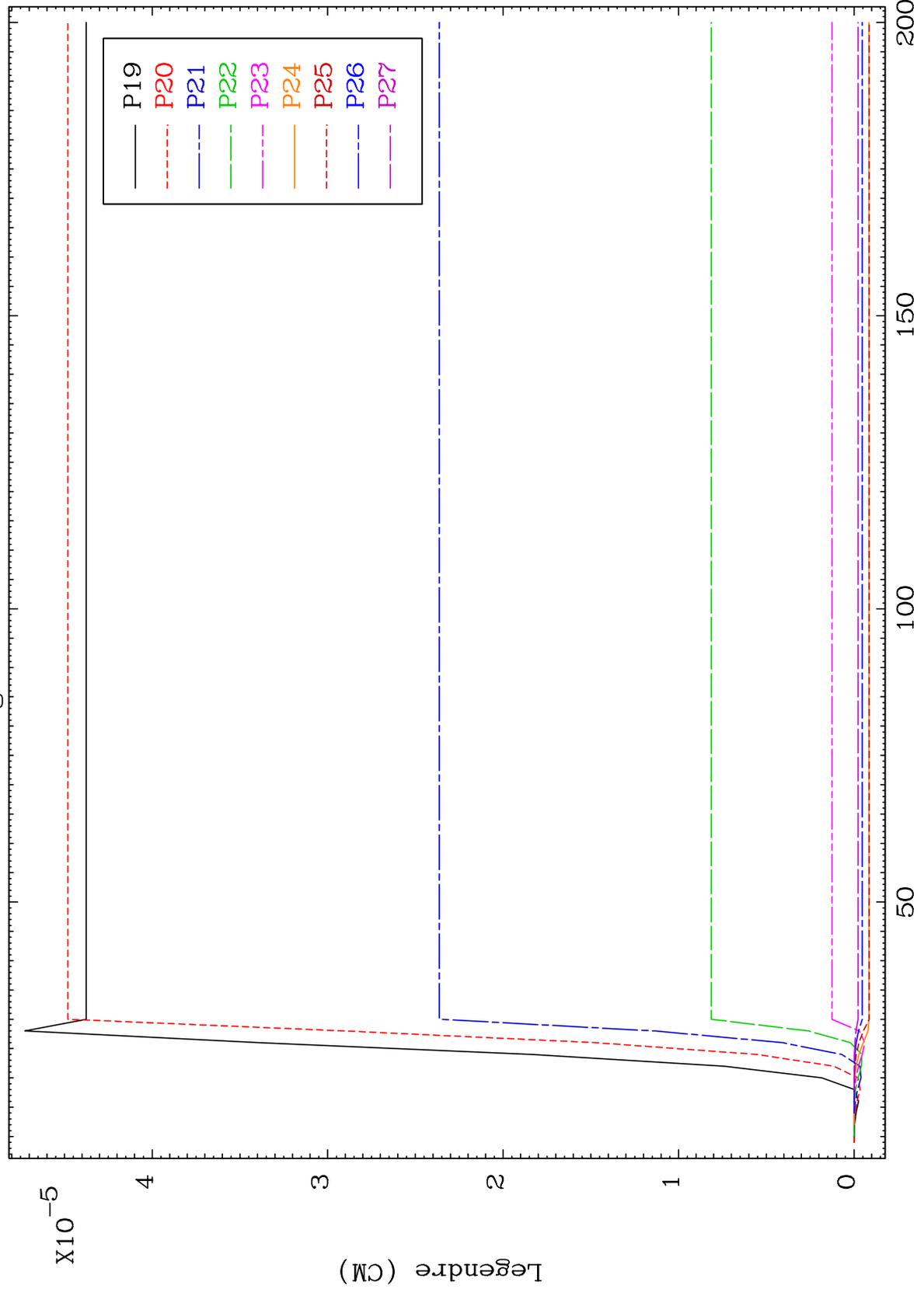
121



MAT 5155

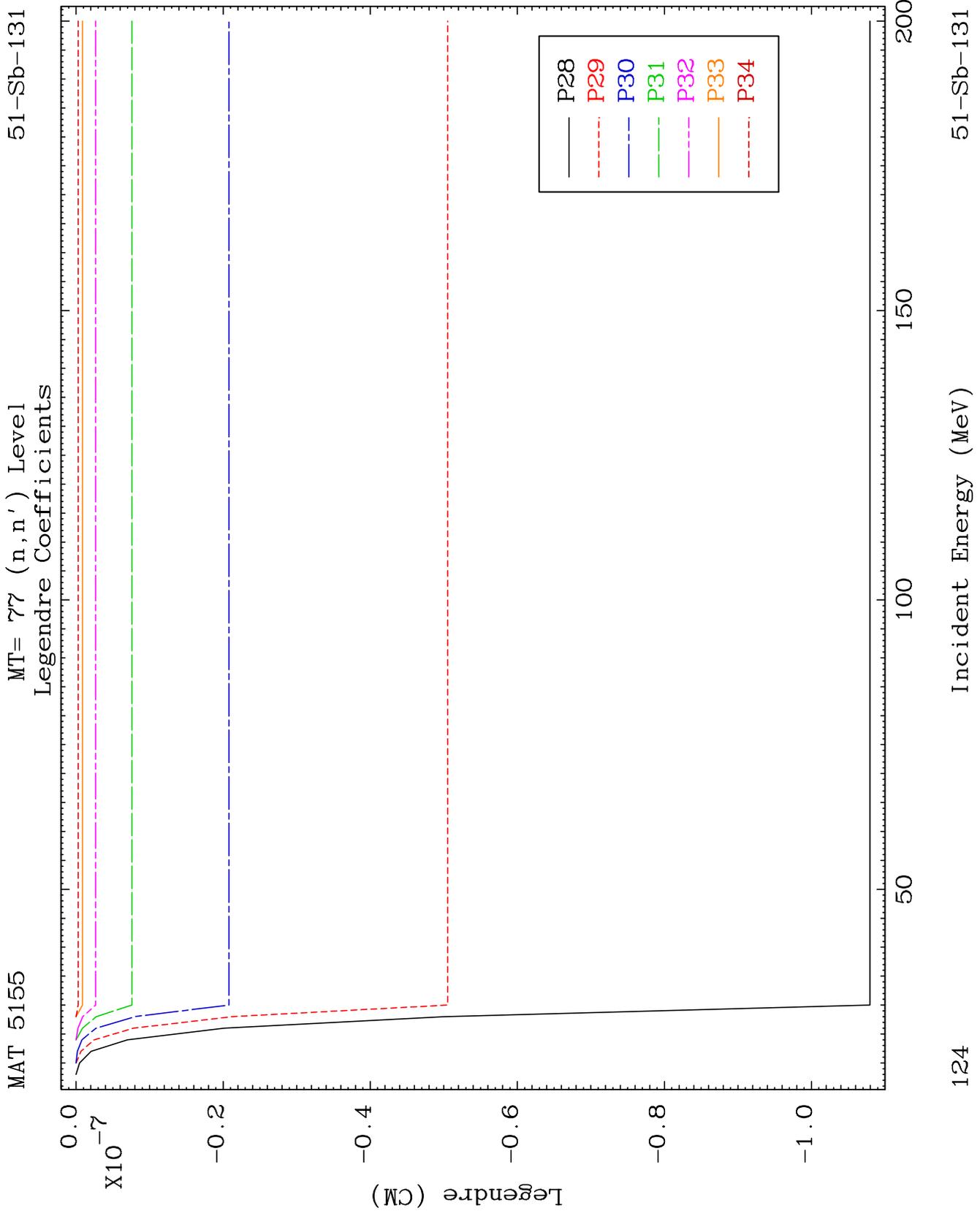
MT= 77 (n,n') Level  
Legendre Coefficients

51-Sb-131



123

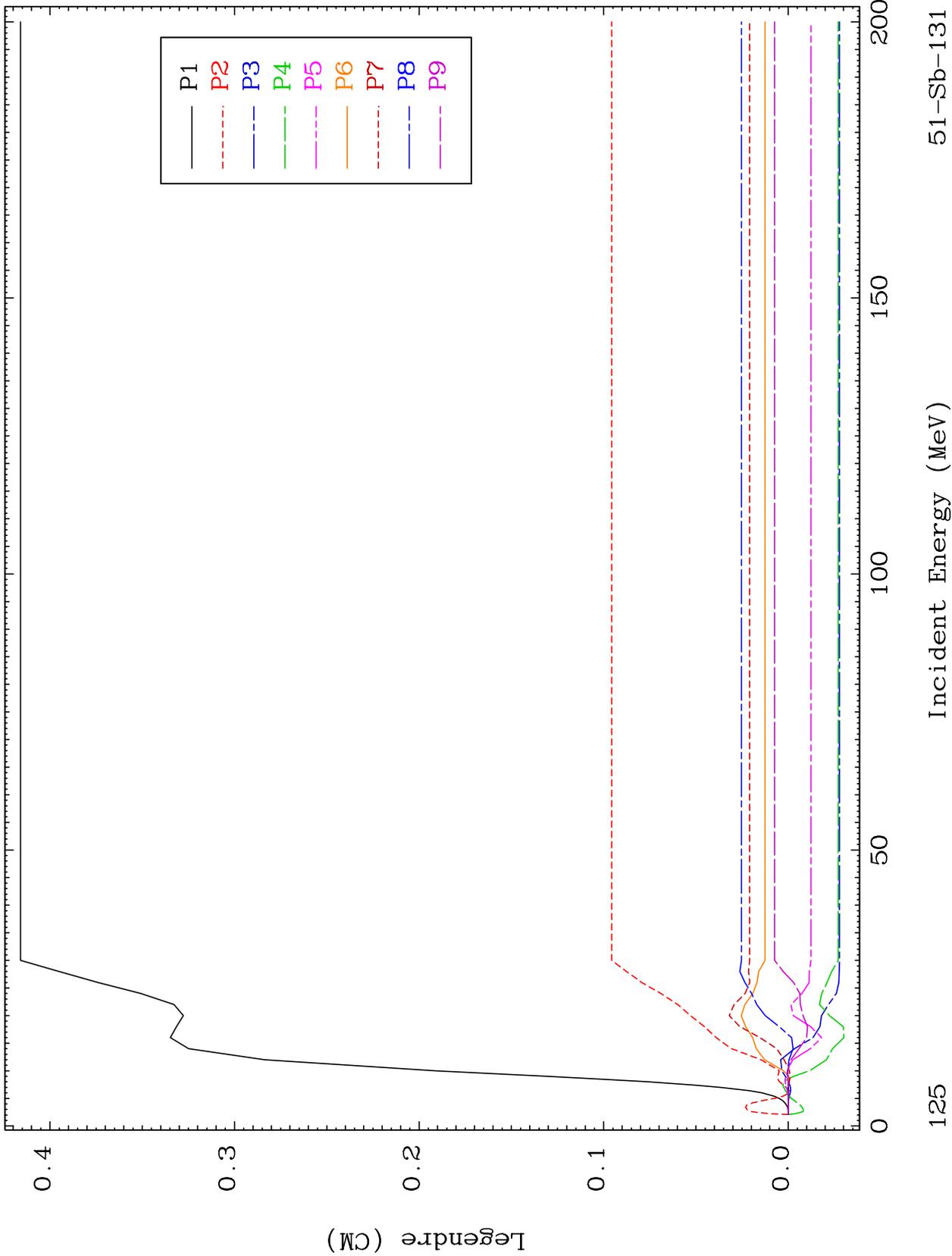
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

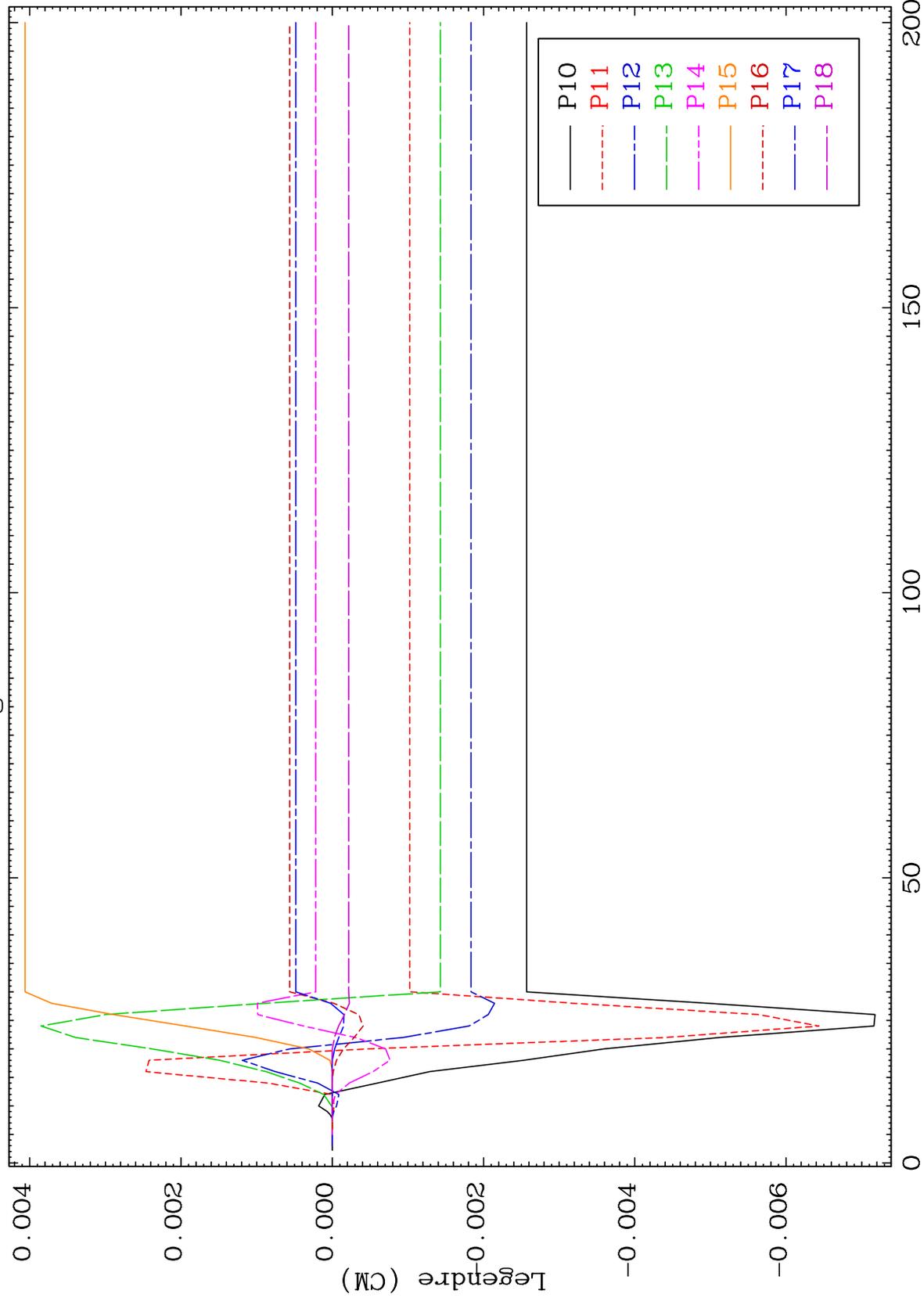
Incident Energy (MeV)

125

MAT 5155

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

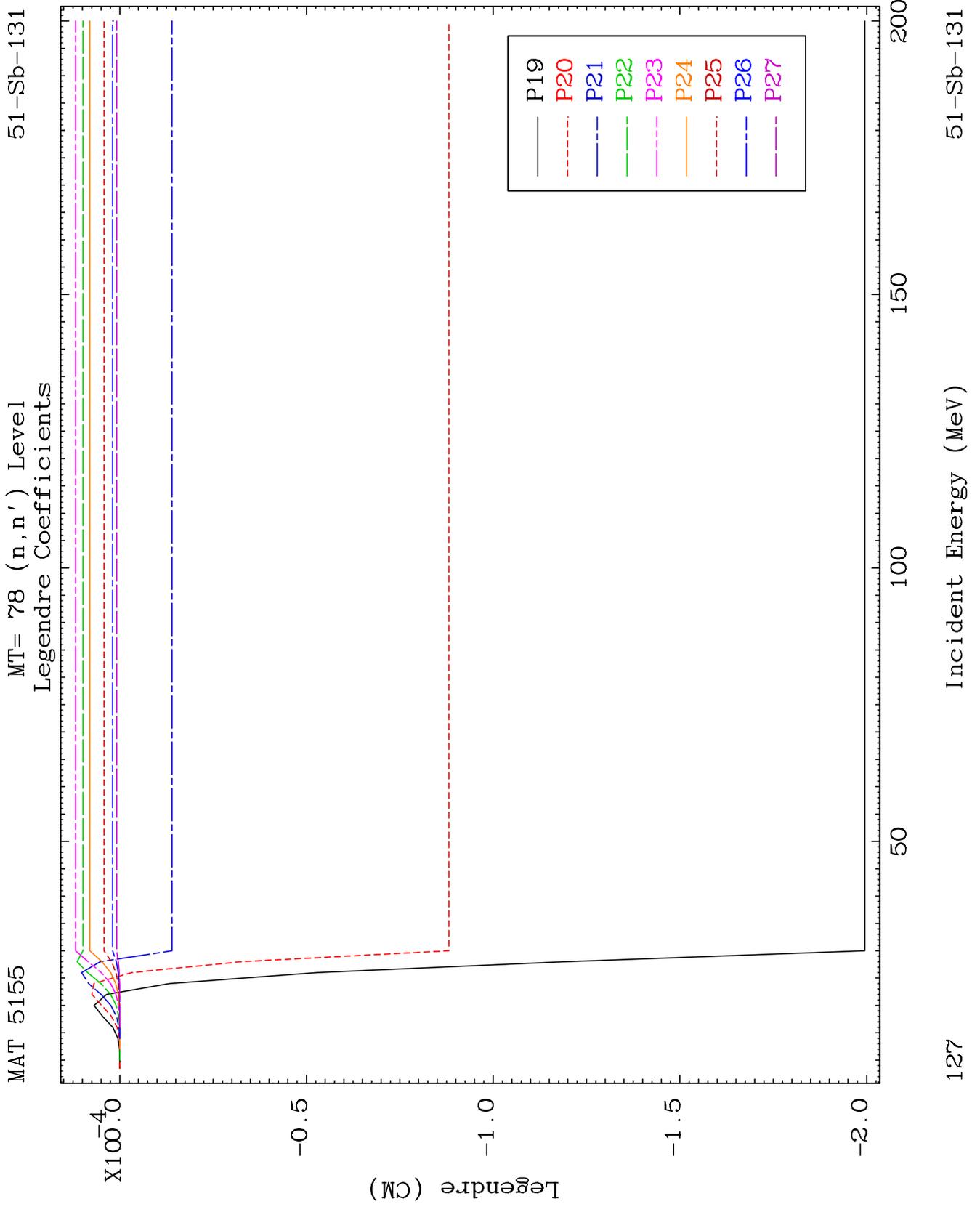
51-Sb-131



126

Incident Energy (MeV)

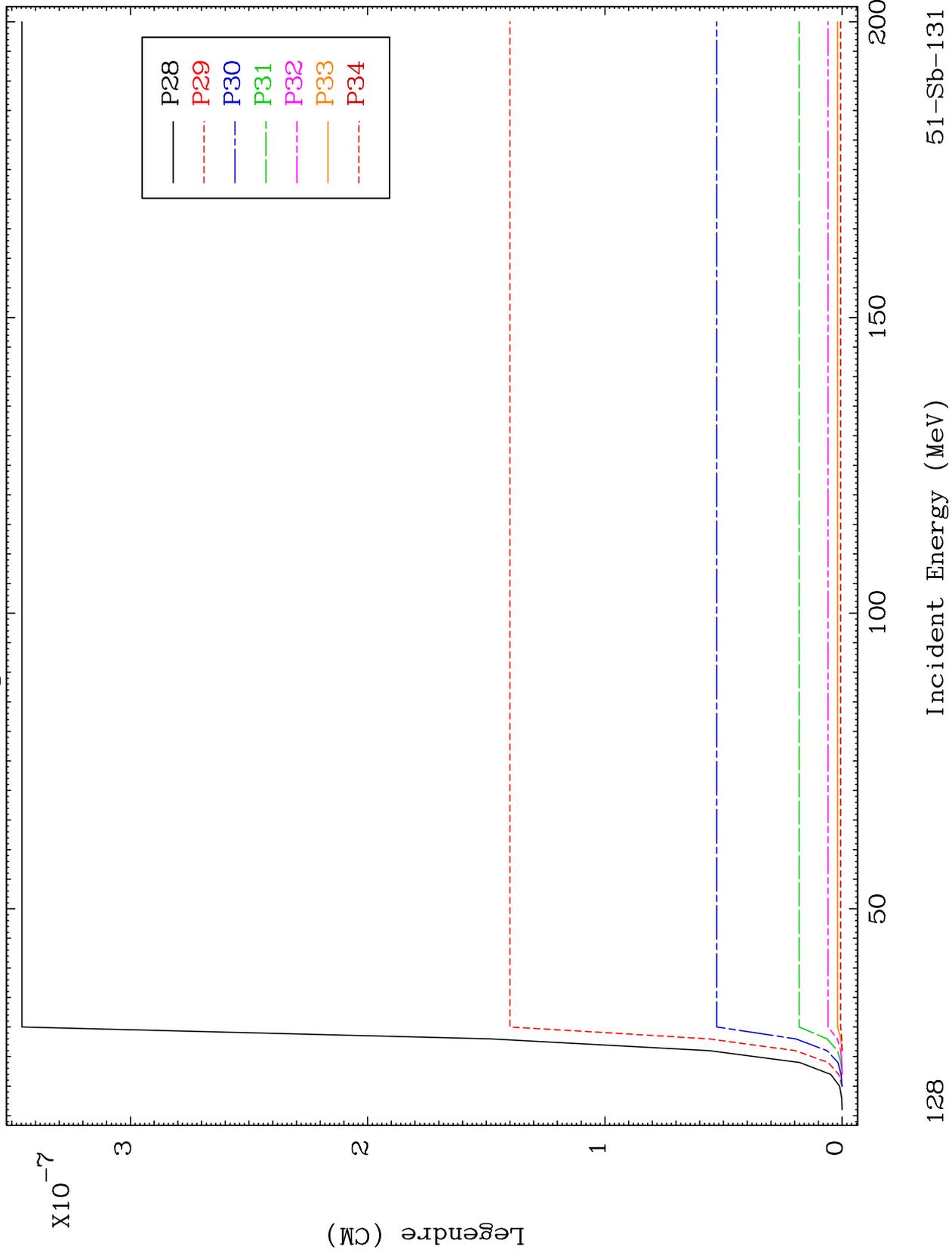
51-Sb-131



MAT 5155

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

51-Sb-131



128

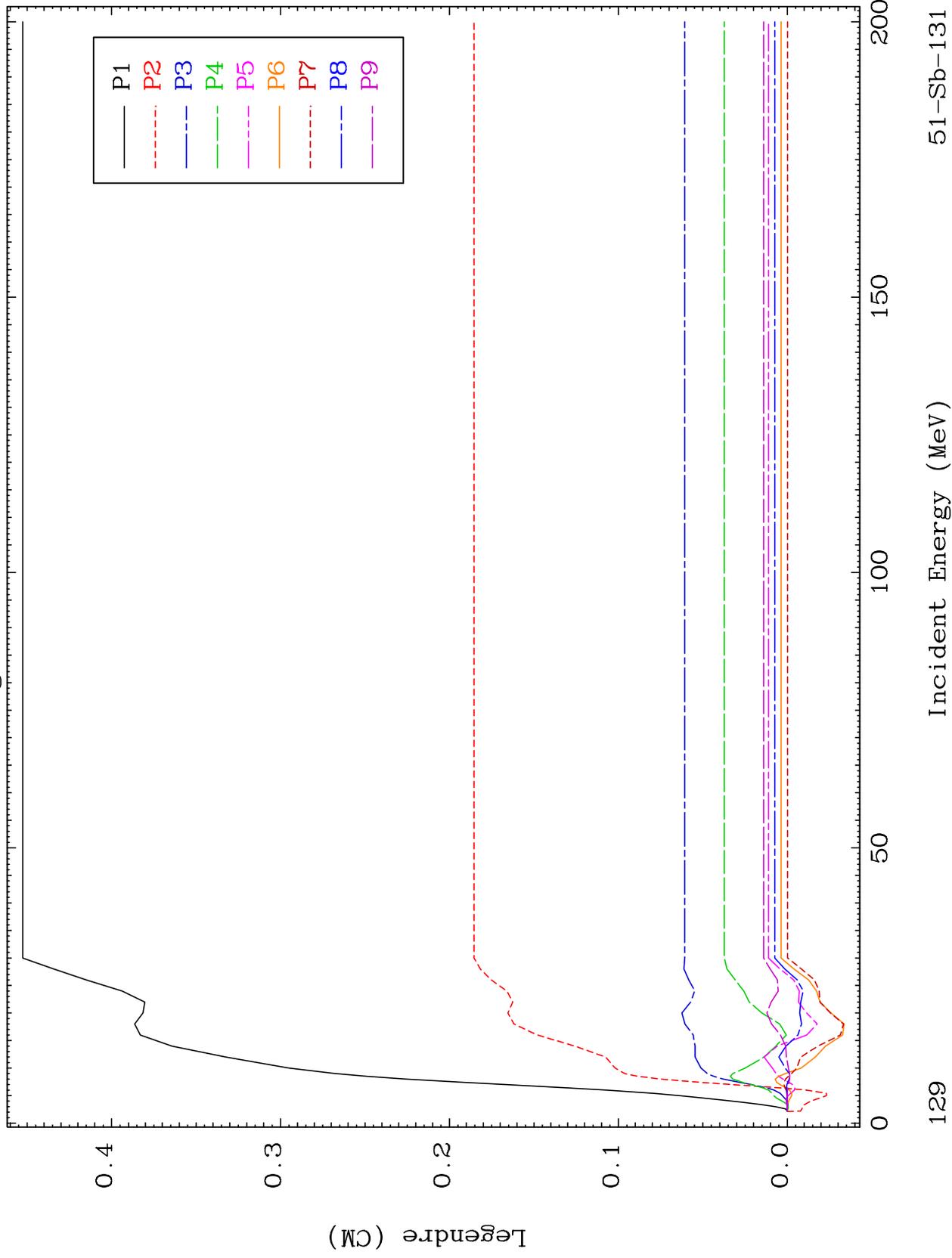
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

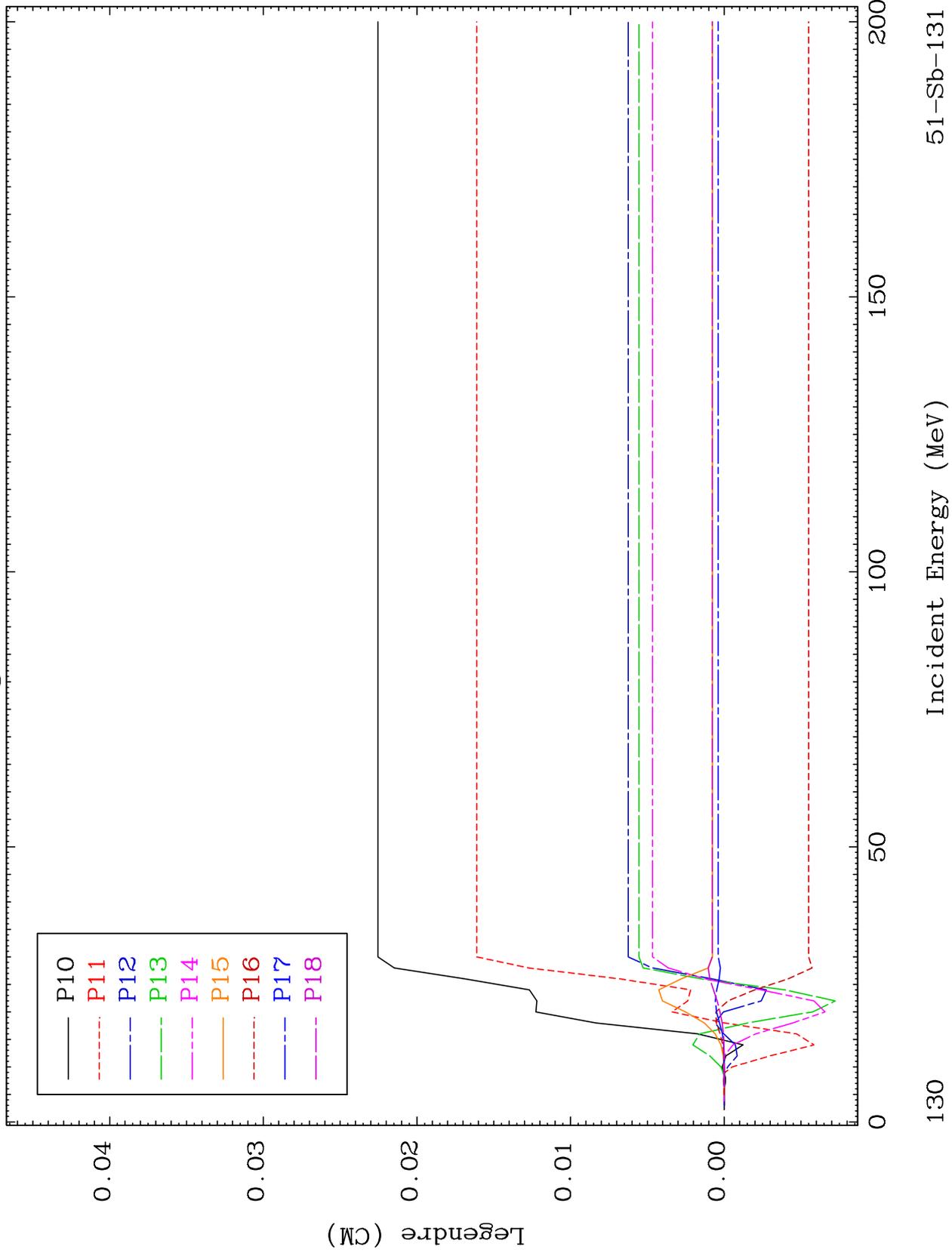
Incident Energy (MeV)

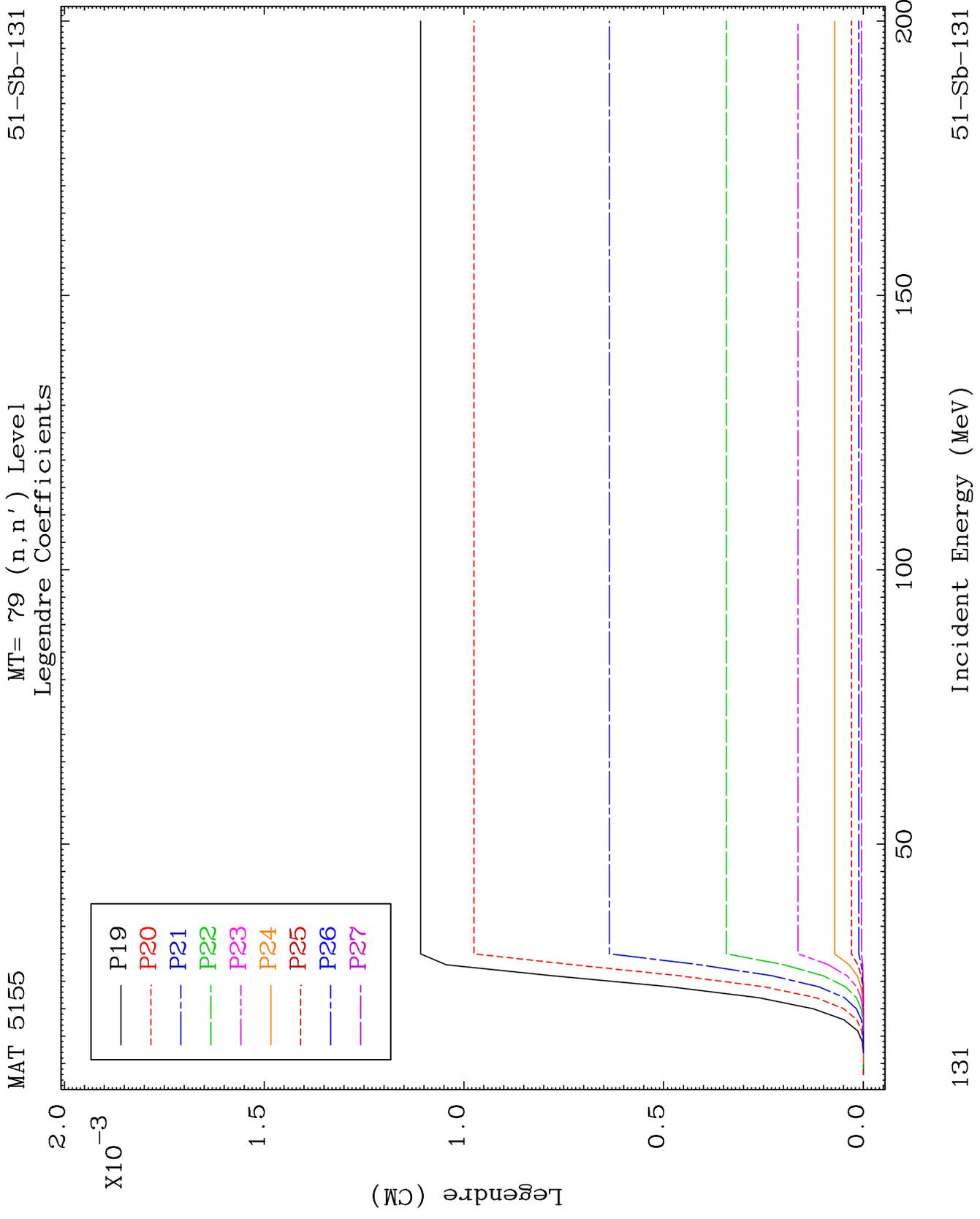
129

MAT 5155

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

51-Sb-131

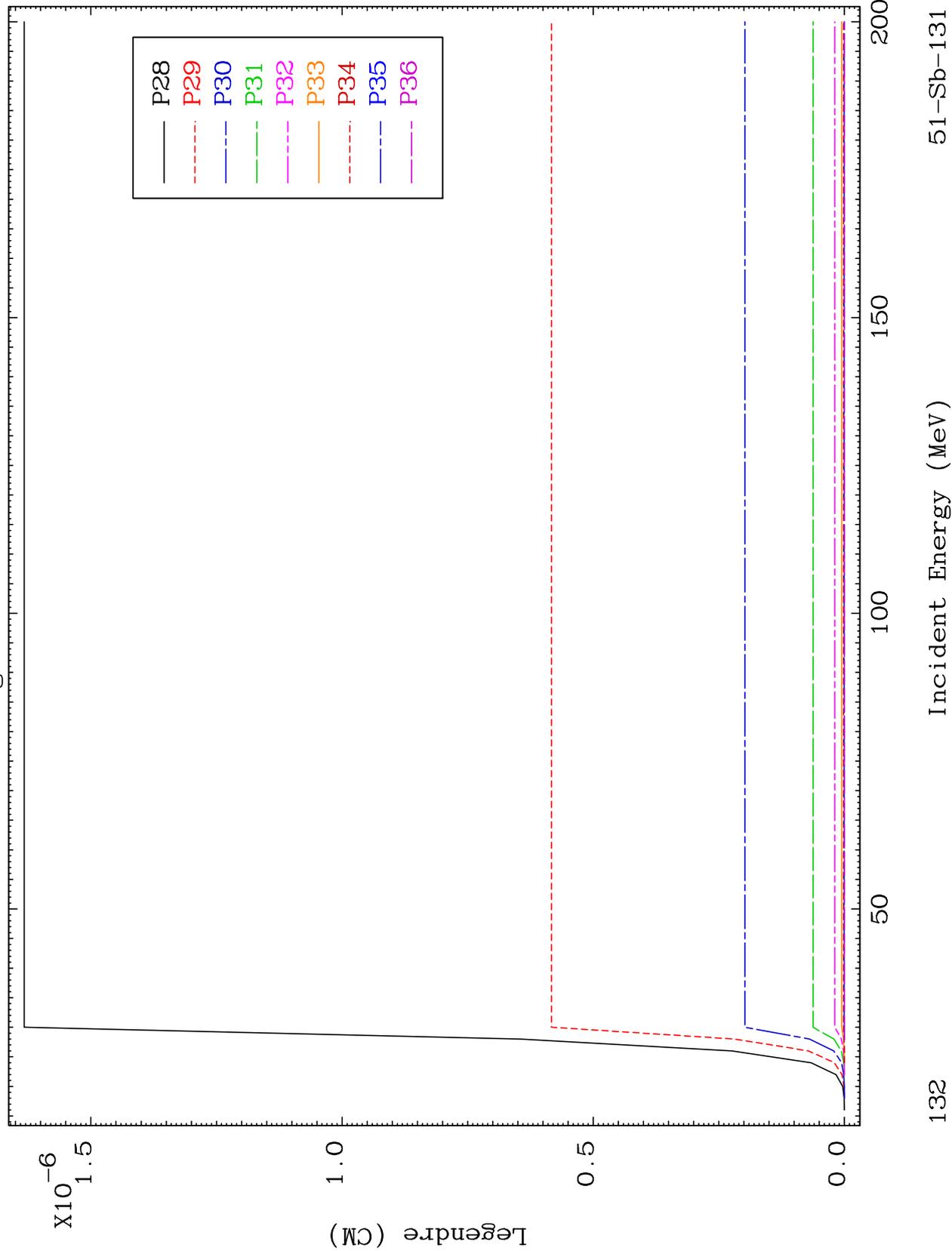




MAT 5155

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

51-Sb-131



132

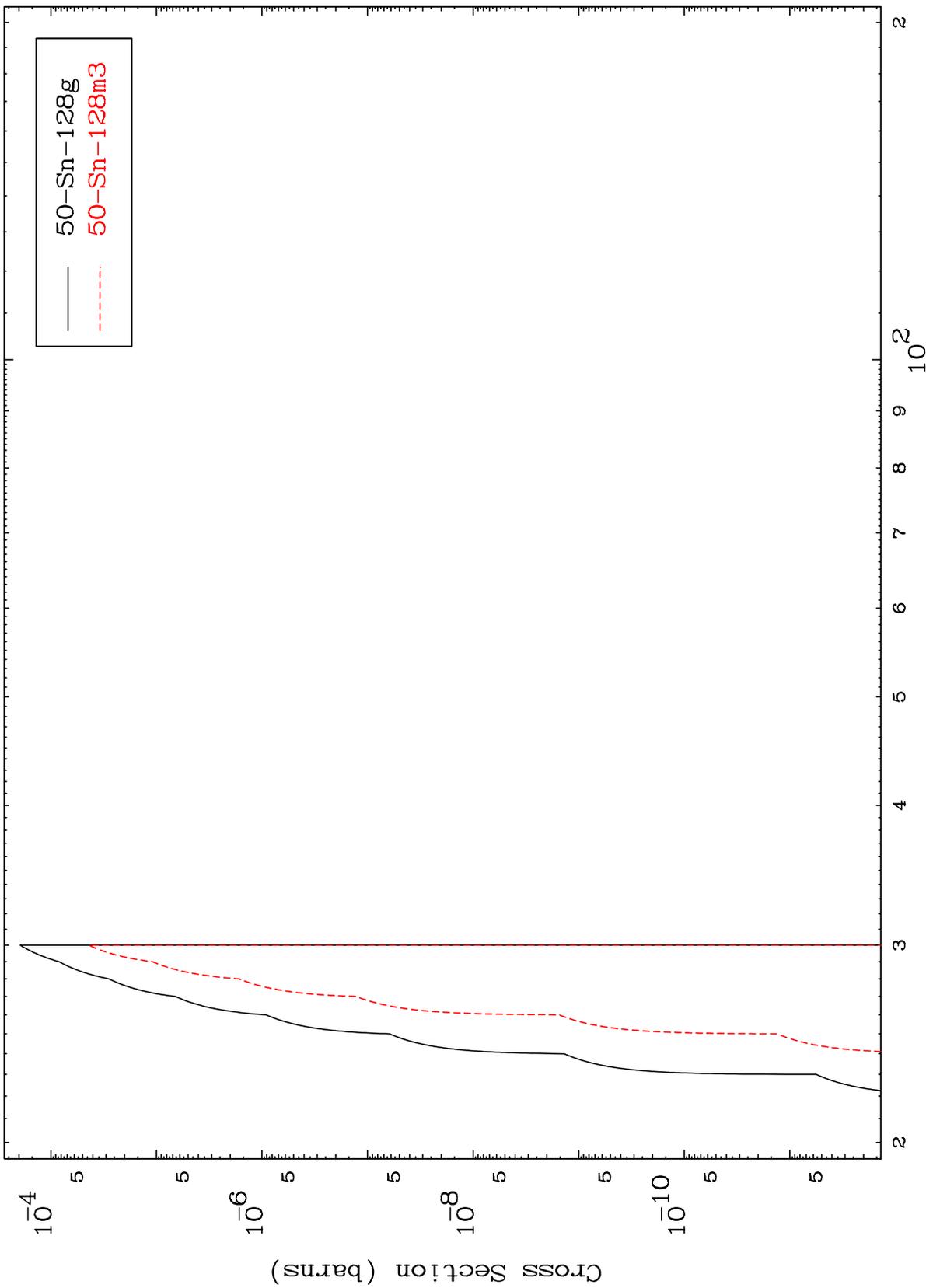
51-Sb-131

MAT 5155

(n,2n) d

51-Sb-131

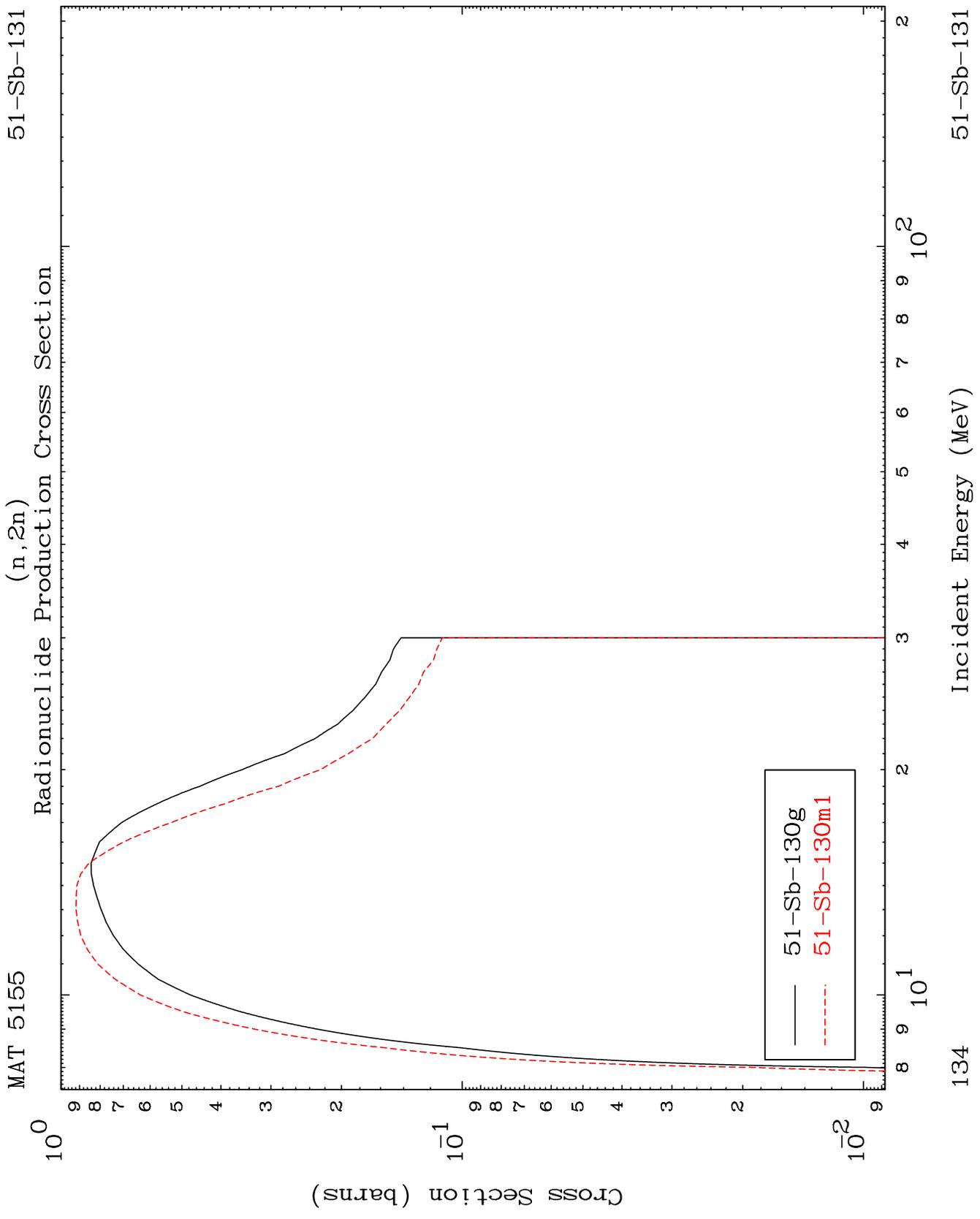
Radionuclide Production Cross Section



133

Incident Energy (MeV)

51-Sb-131

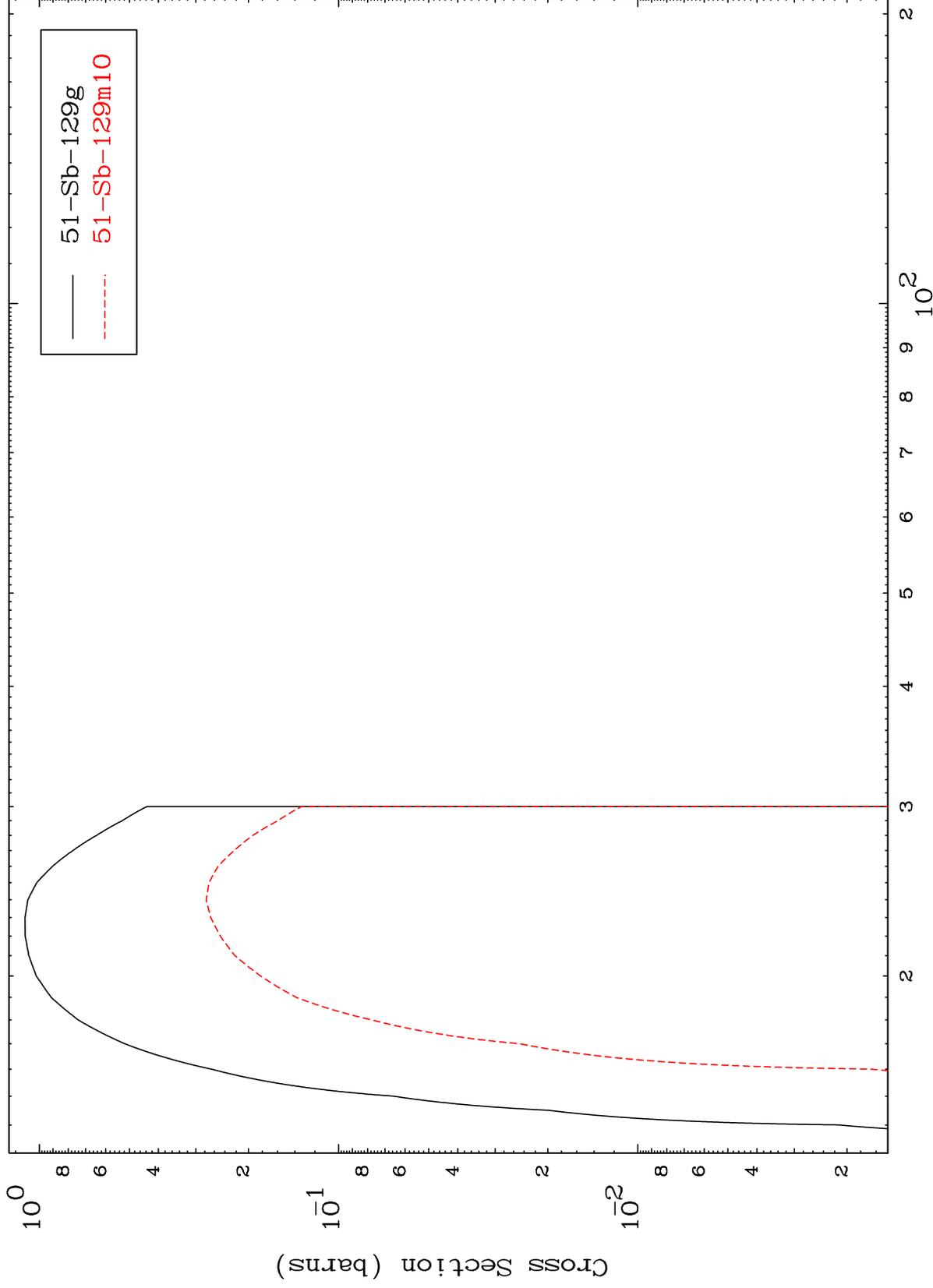


MAT 5155

(n,3n)

51-Sb-131

Radionuclide Production Cross Section



135

Incident Energy (MeV)

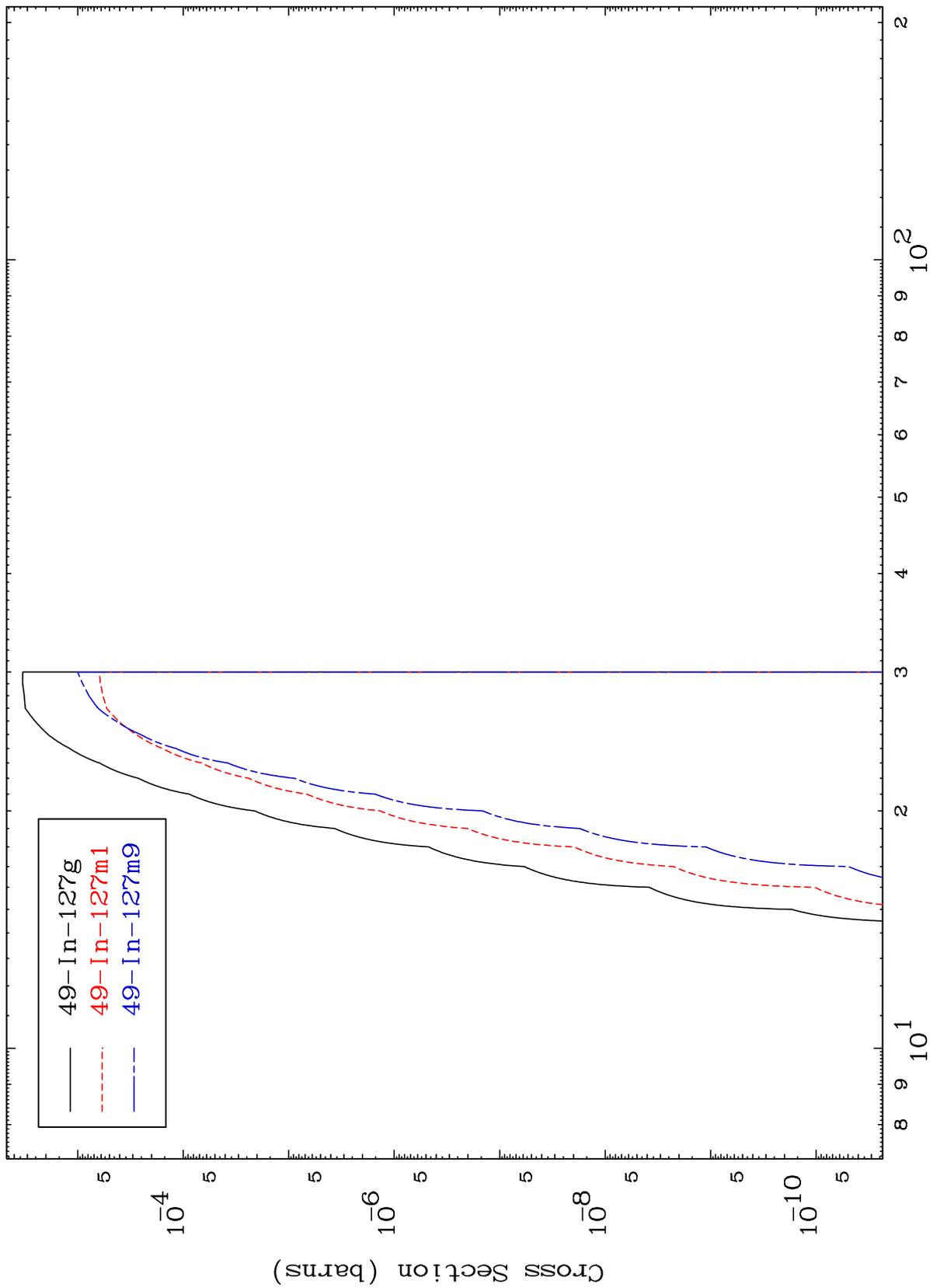
51-Sb-131

MAT 5155

51-Sb-131

(n,n')  $\alpha$

Radionuclide Production Cross Section



136

Incident Energy (MeV)

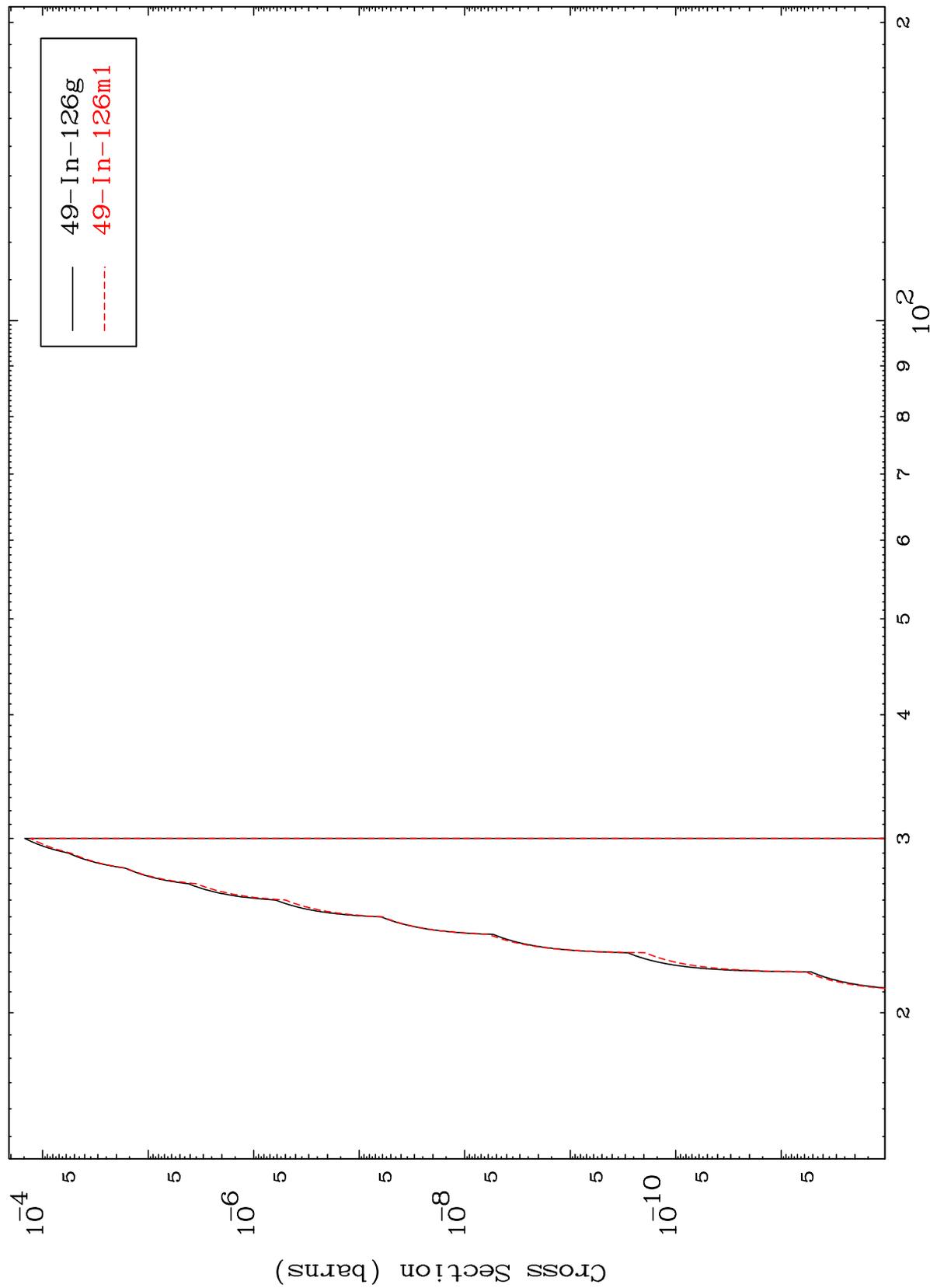
51-Sb-131

MAT 5155

(n,2n)  $\alpha$

51-Sb-131

Radionuclide Production Cross Section



49-In-126g  
49-In-126m1

137

Incident Energy (MeV)

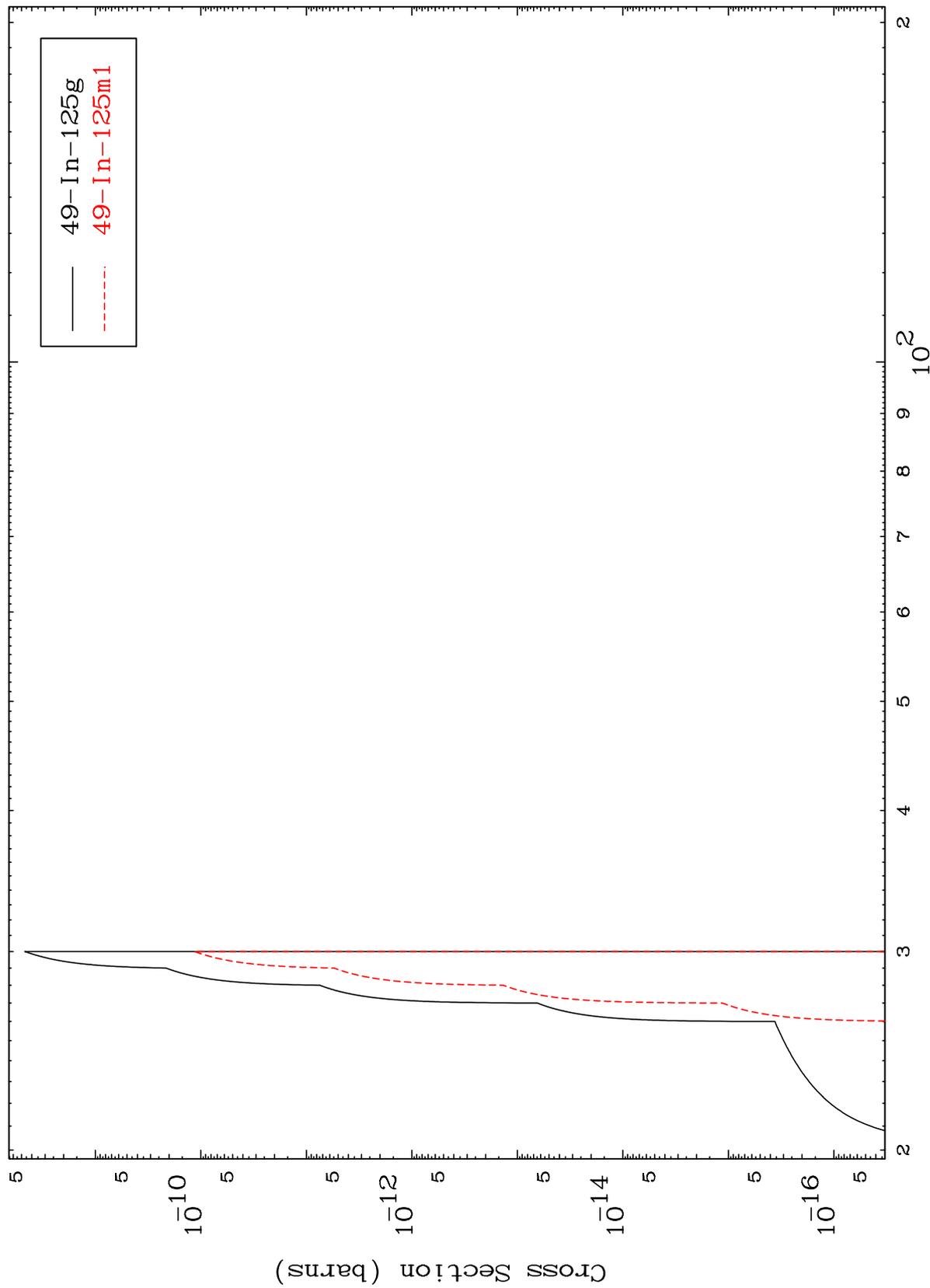
51-Sb-131

MAT 5155

(n,3n)  $\alpha$

51-Sb-131

Radionuclide Production Cross Section



138

Incident Energy (MeV)

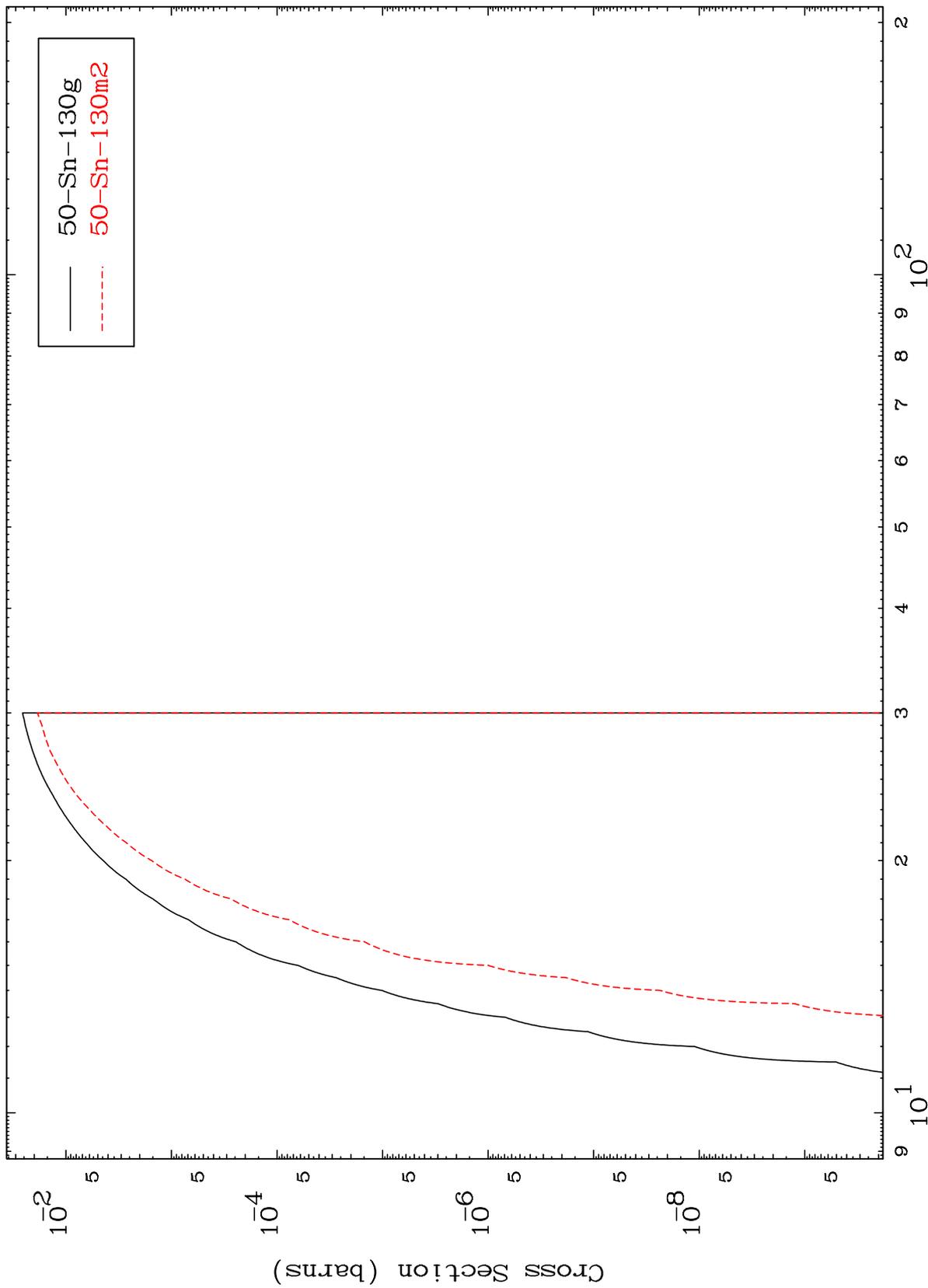
51-Sb-131

MAT 5155

(n,n') p

51-Sb-131

Radionuclide Production Cross Section



Incident Energy (MeV)

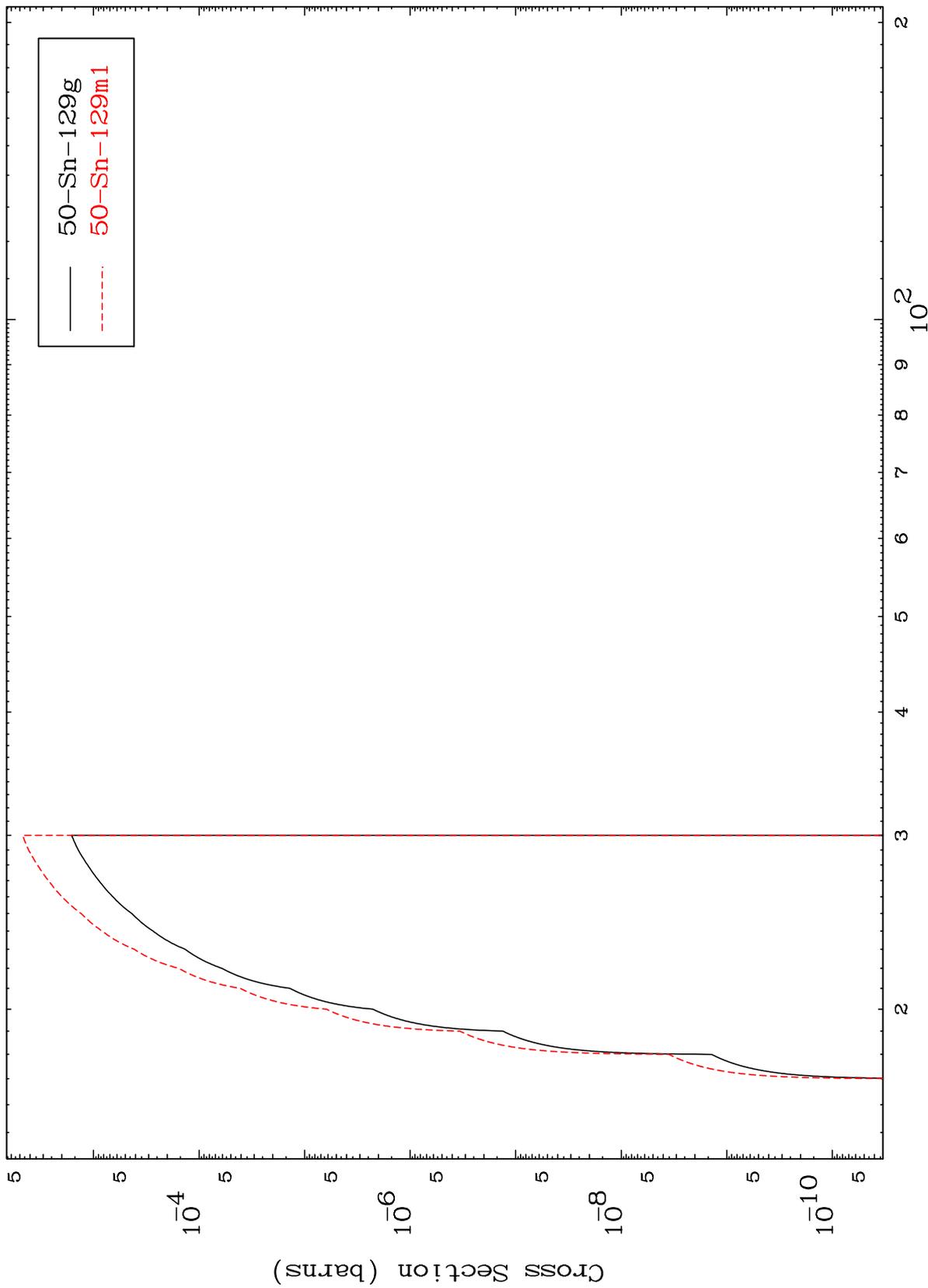
51-Sb-131

MAT 5155

(n,n') d

51-Sb-131

Radionuclide Production Cross Section



140

Incident Energy (MeV)

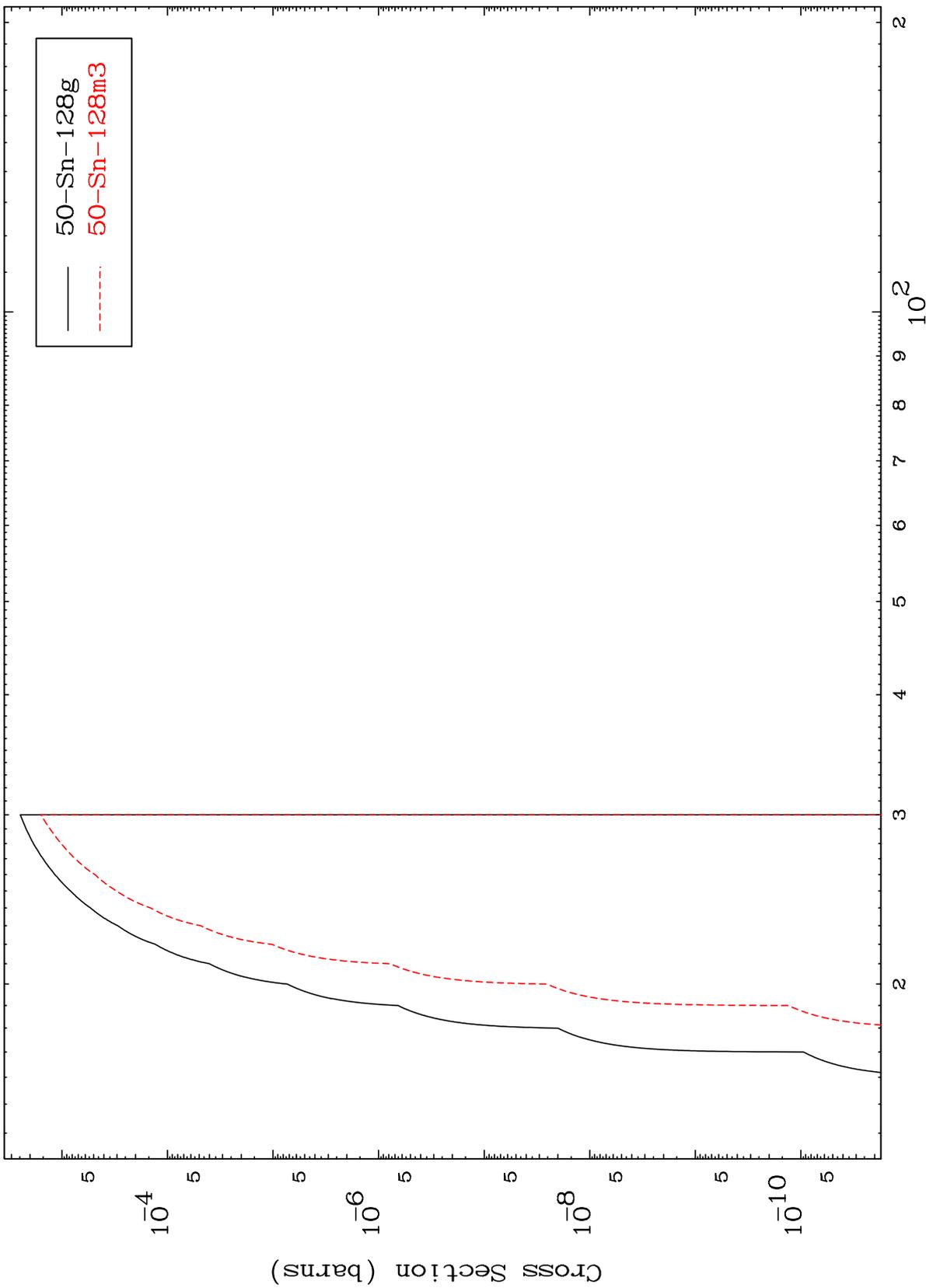
51-Sb-131

MAT 5155

(n,n') t

51-Sb-131

Radionuclide Production Cross Section



141

Incident Energy (MeV)

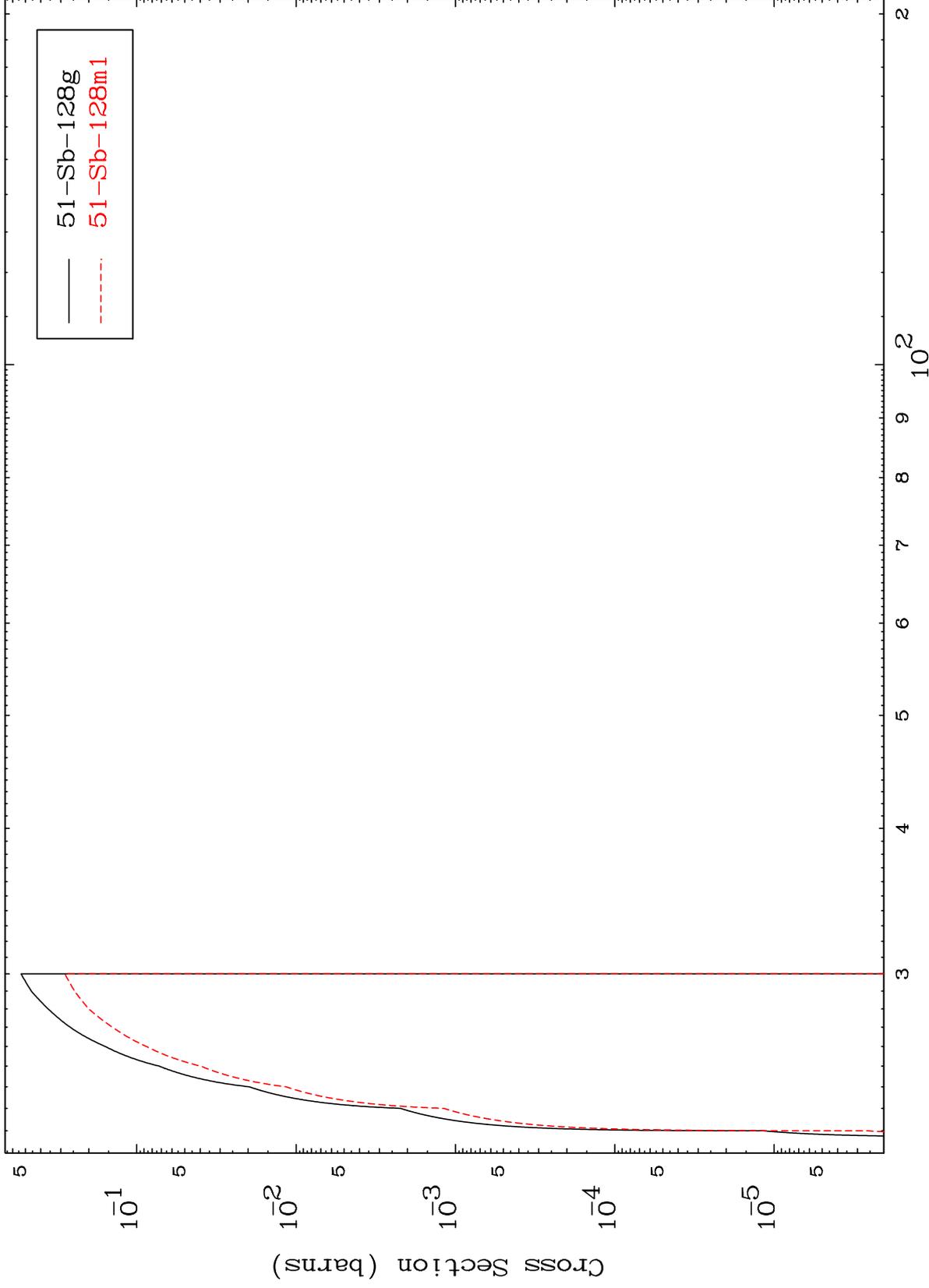
51-Sb-131

MAT 5155

(n,4n)

51-Sb-131

Radionuclide Production Cross Section



142

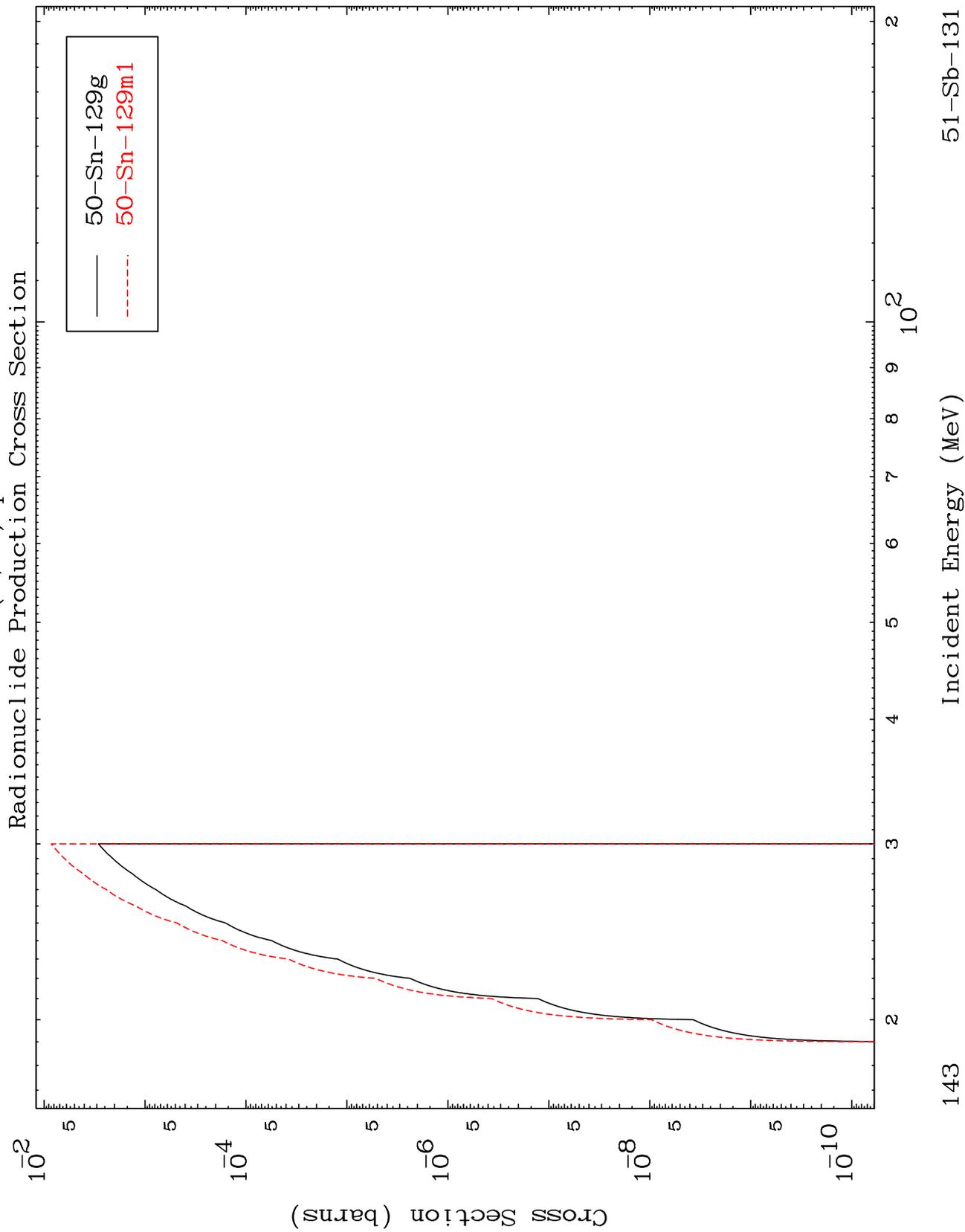
Incident Energy (MeV)

51-Sb-131

MAT 5155

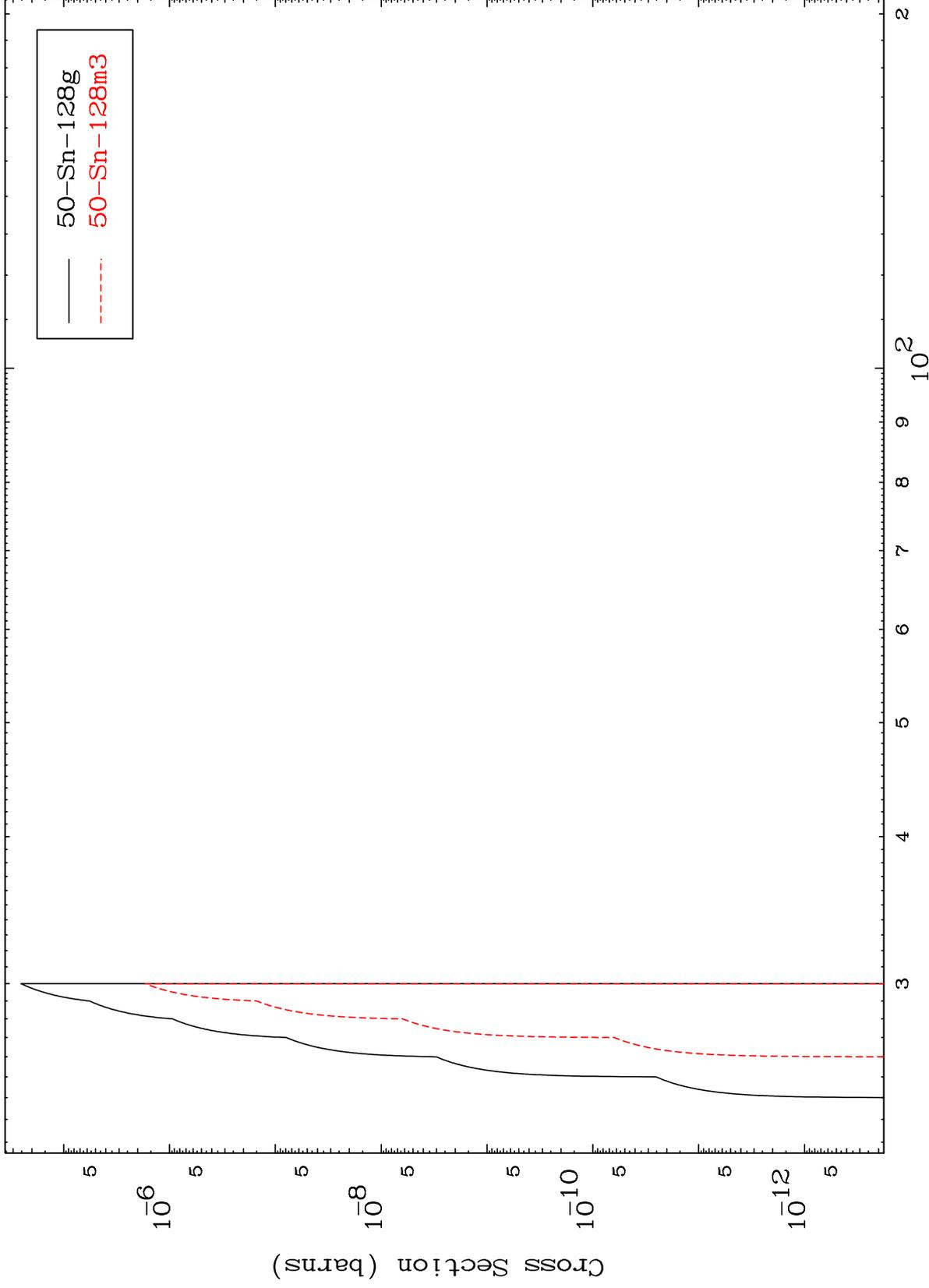
(n,2n) p

51-Sb-131



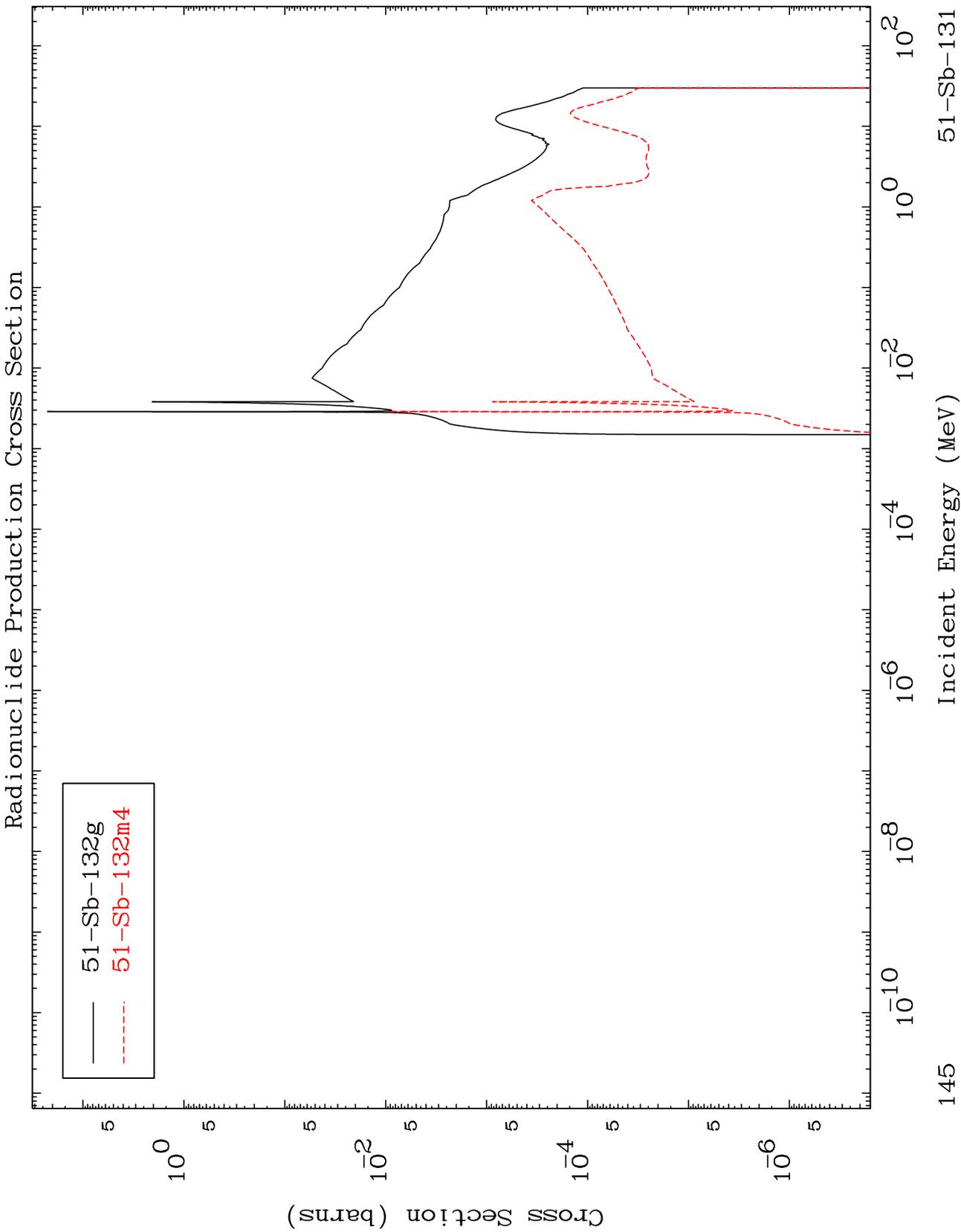
143

Radionuclide Production Cross Section



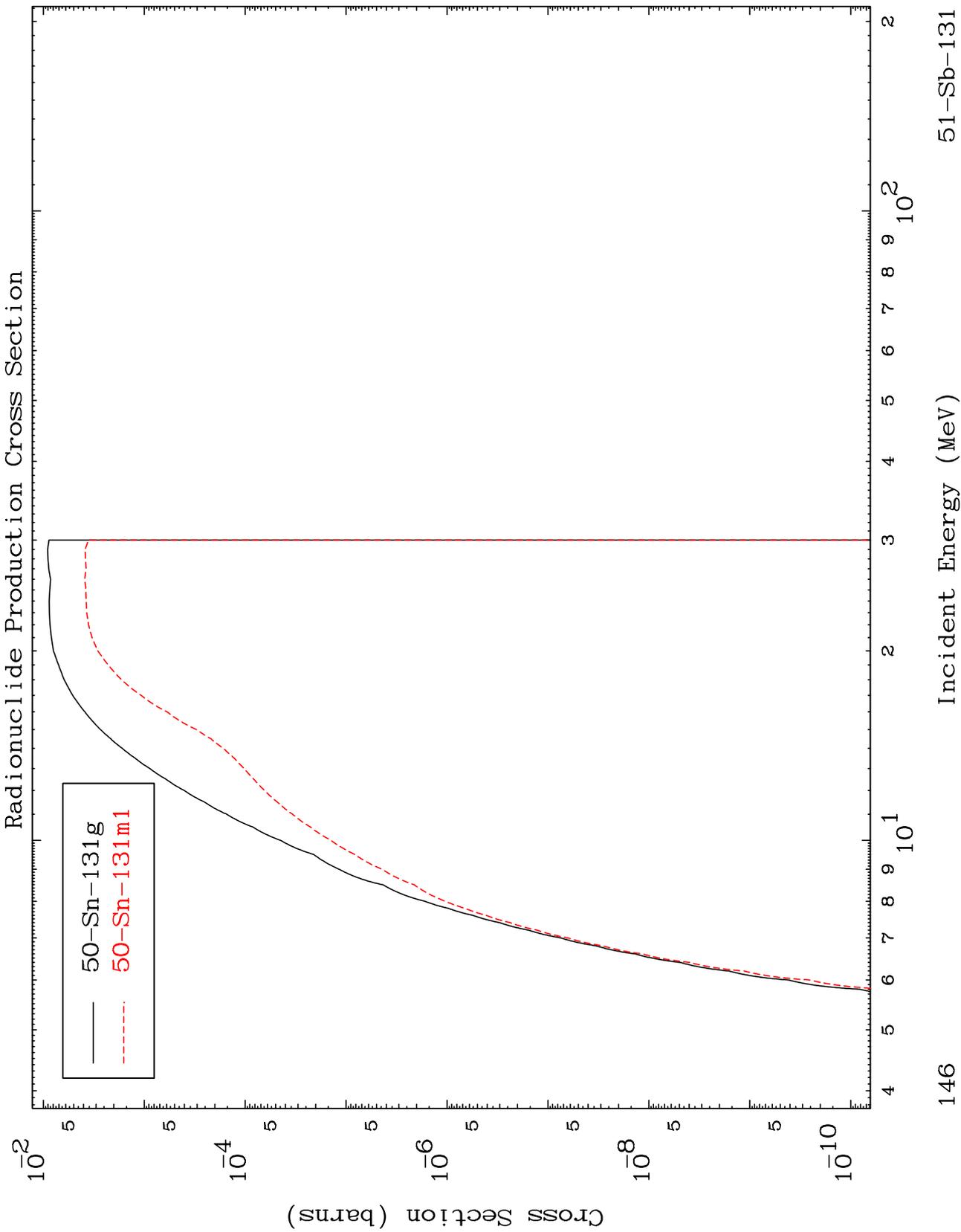
MAT 5155

51-Sb-131



MAT 5155

51-Sb-131

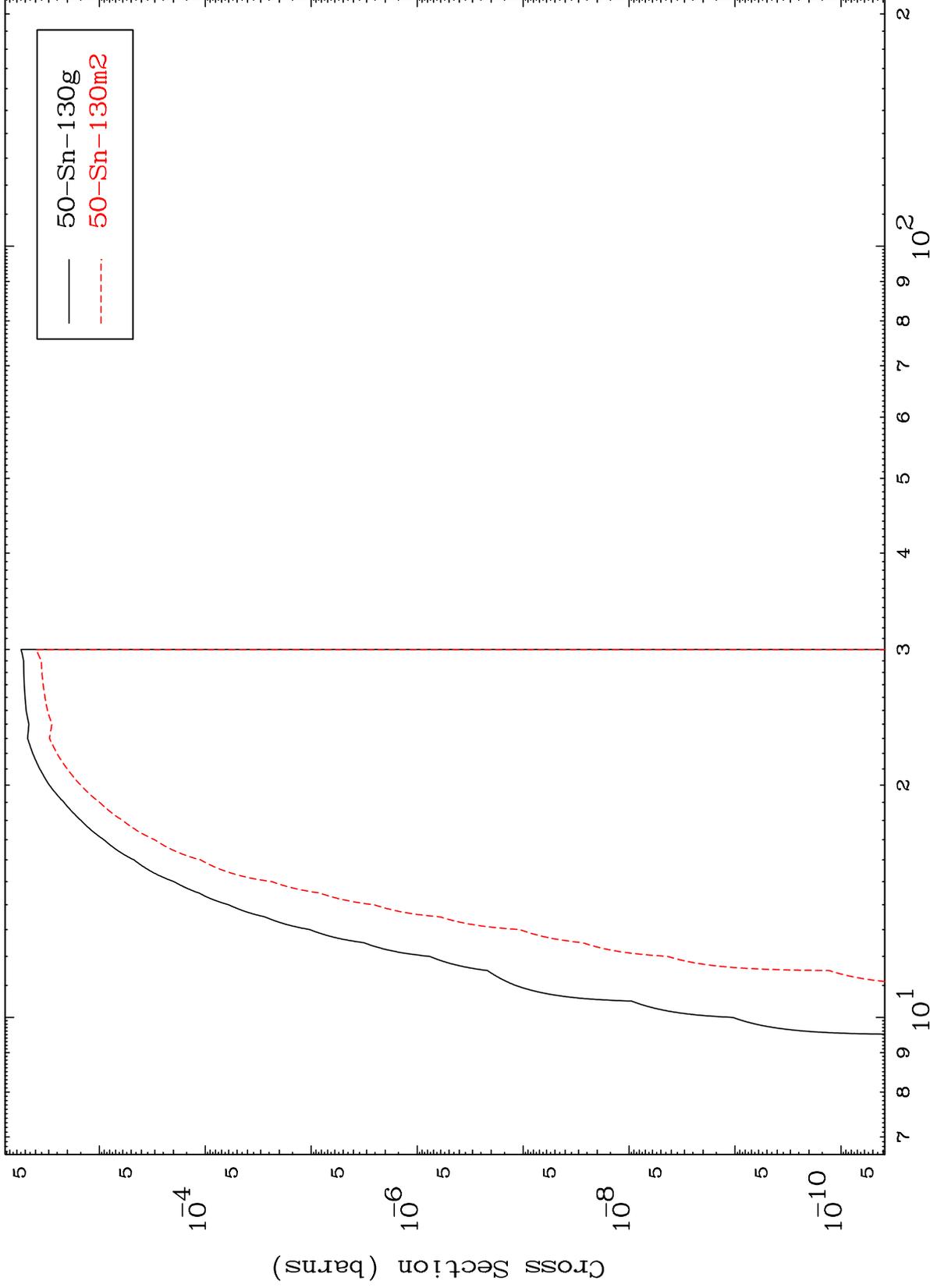


MAT 5155

(n,d)

51-Sb-131

Radionuclide Production Cross Section



147

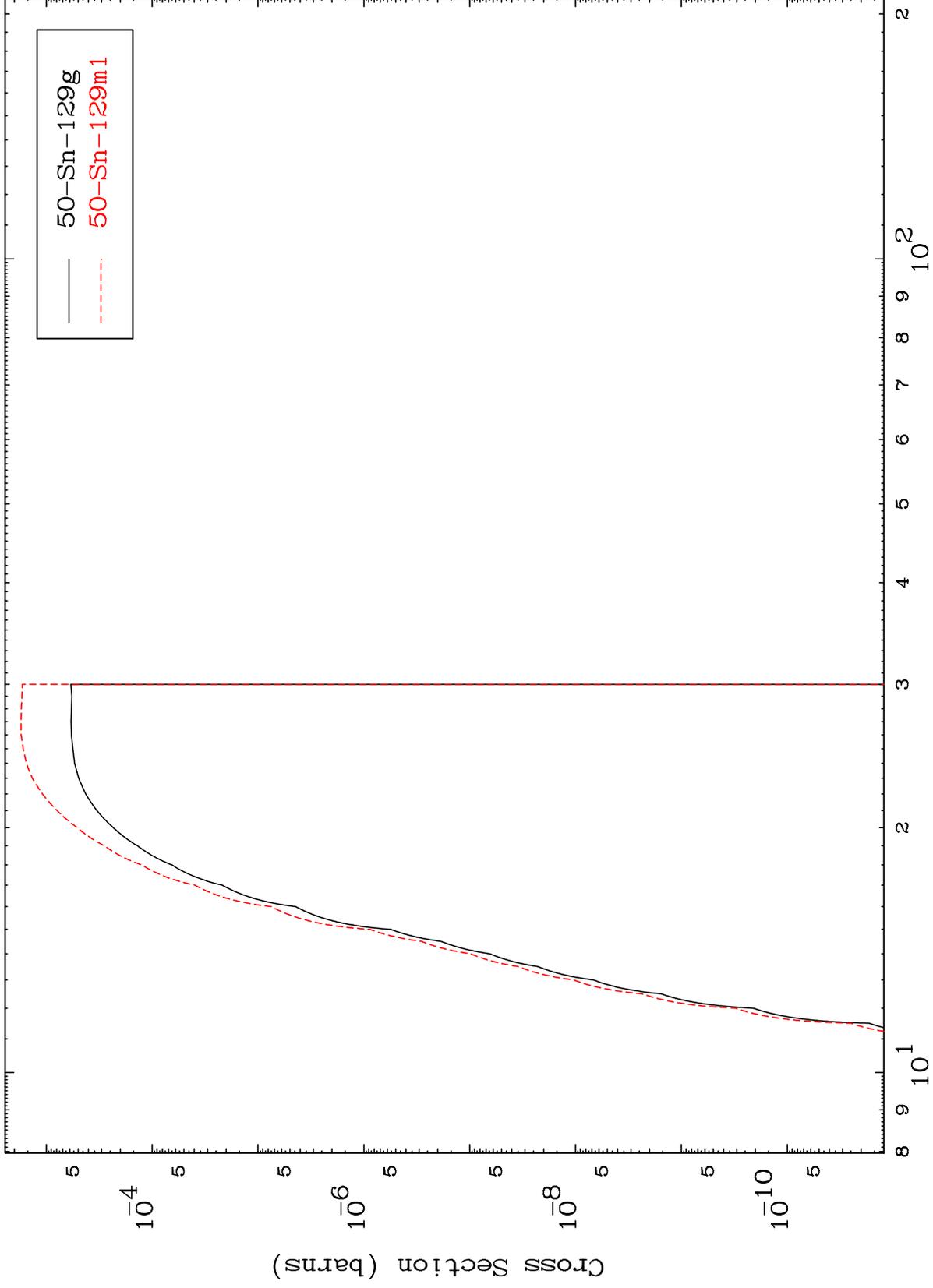
Incident Energy (MeV)

51-Sb-131

MAT 5155

51-Sb-131

(n,t)  
Radionuclide Production Cross Section

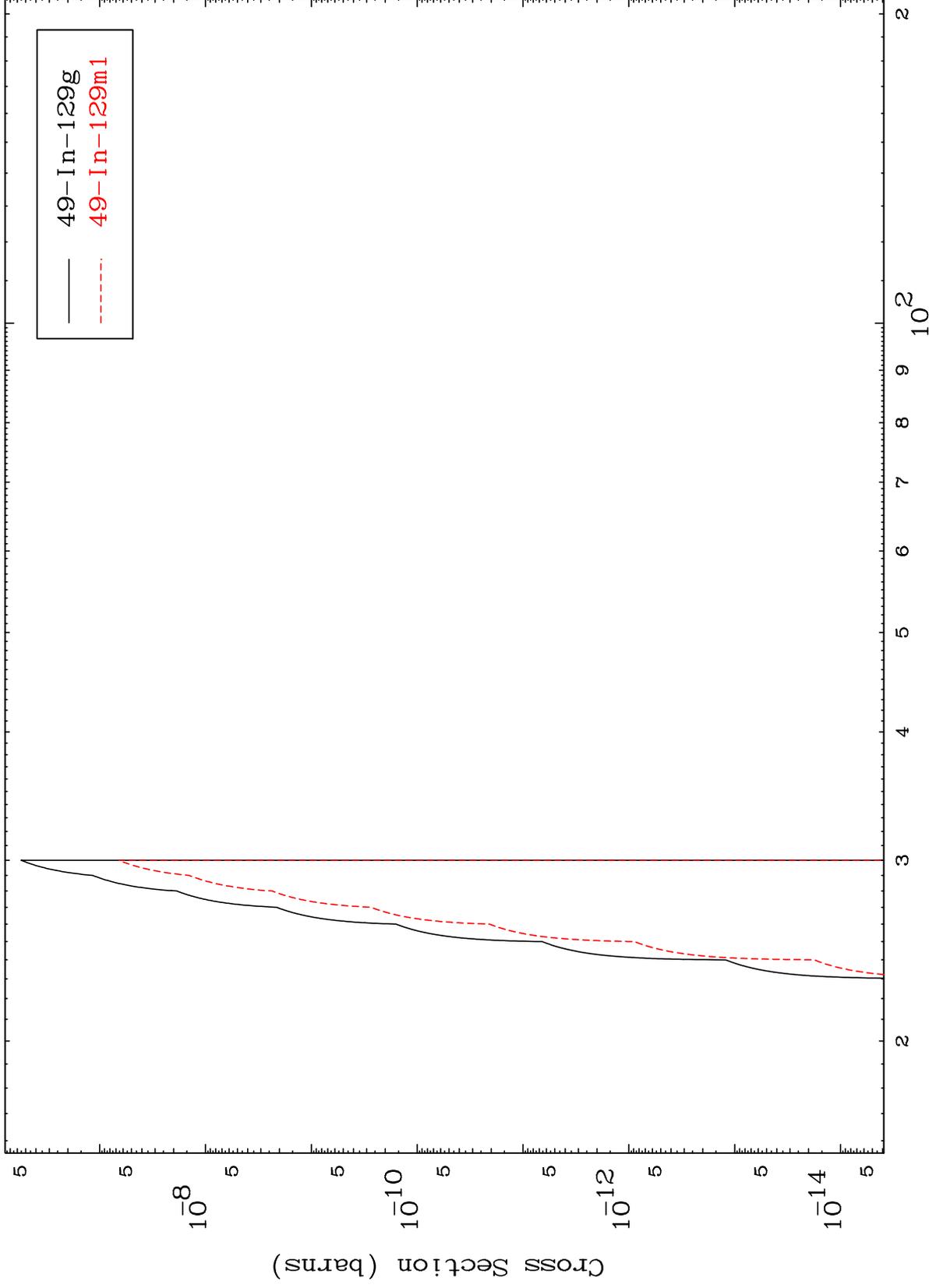


51-Sb-131

Incident Energy (MeV)

148

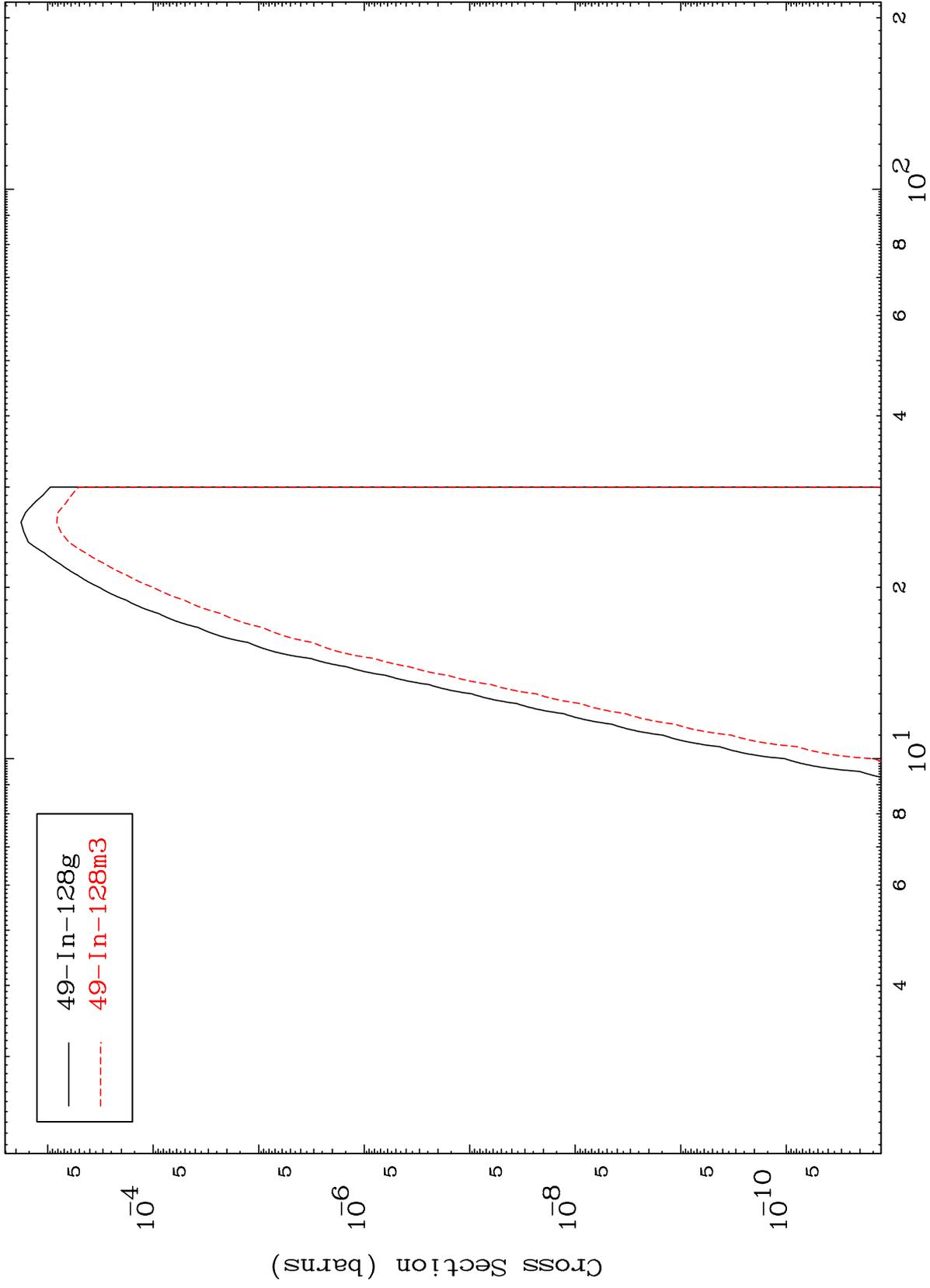
Radionuclide Production Cross Section



MAT 5155

51-Sb-131

(n,α)  
Radionuclide Production Cross Section



150

51-Sb-131