

Program EVALPLOT
(Version 2018-1)

by

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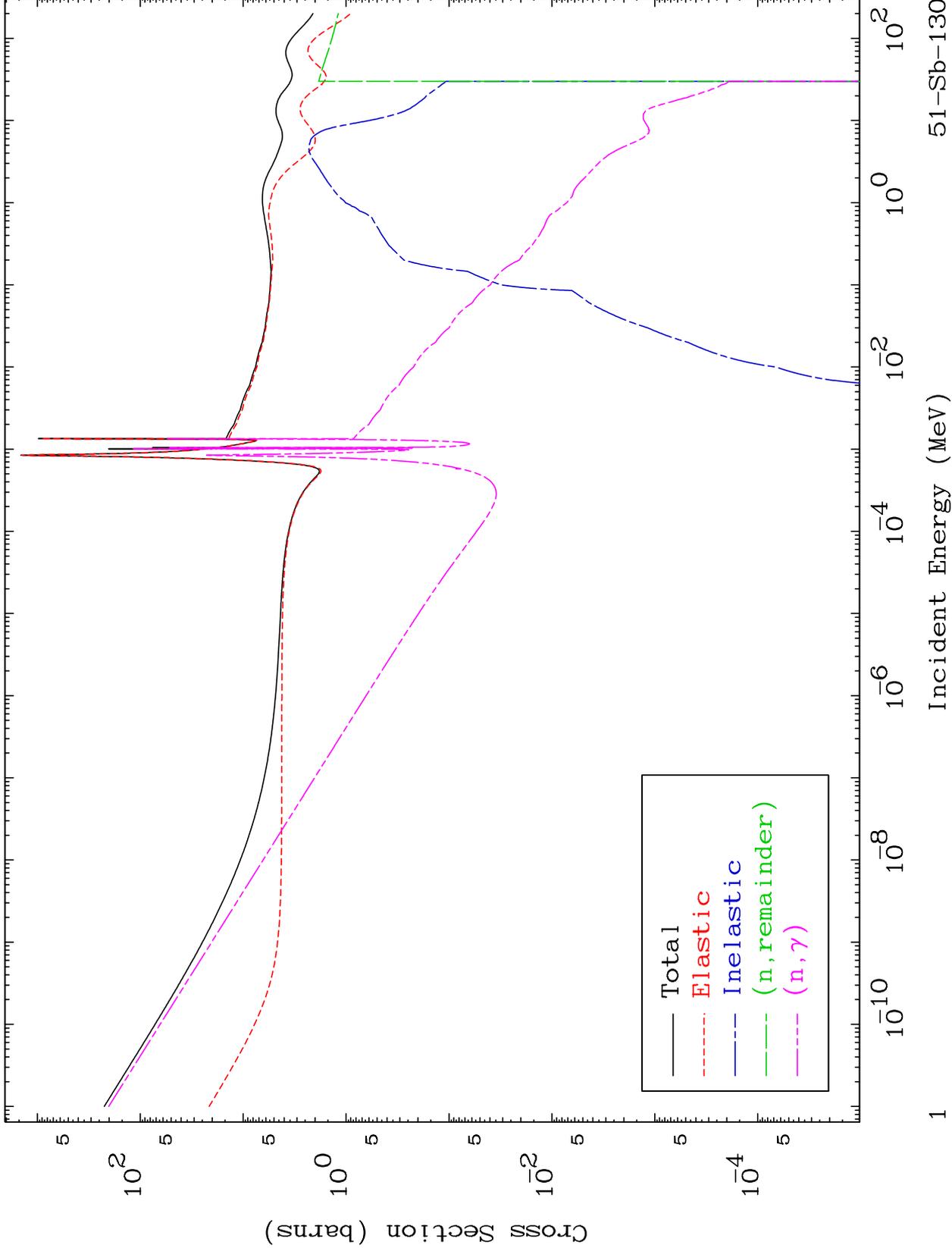
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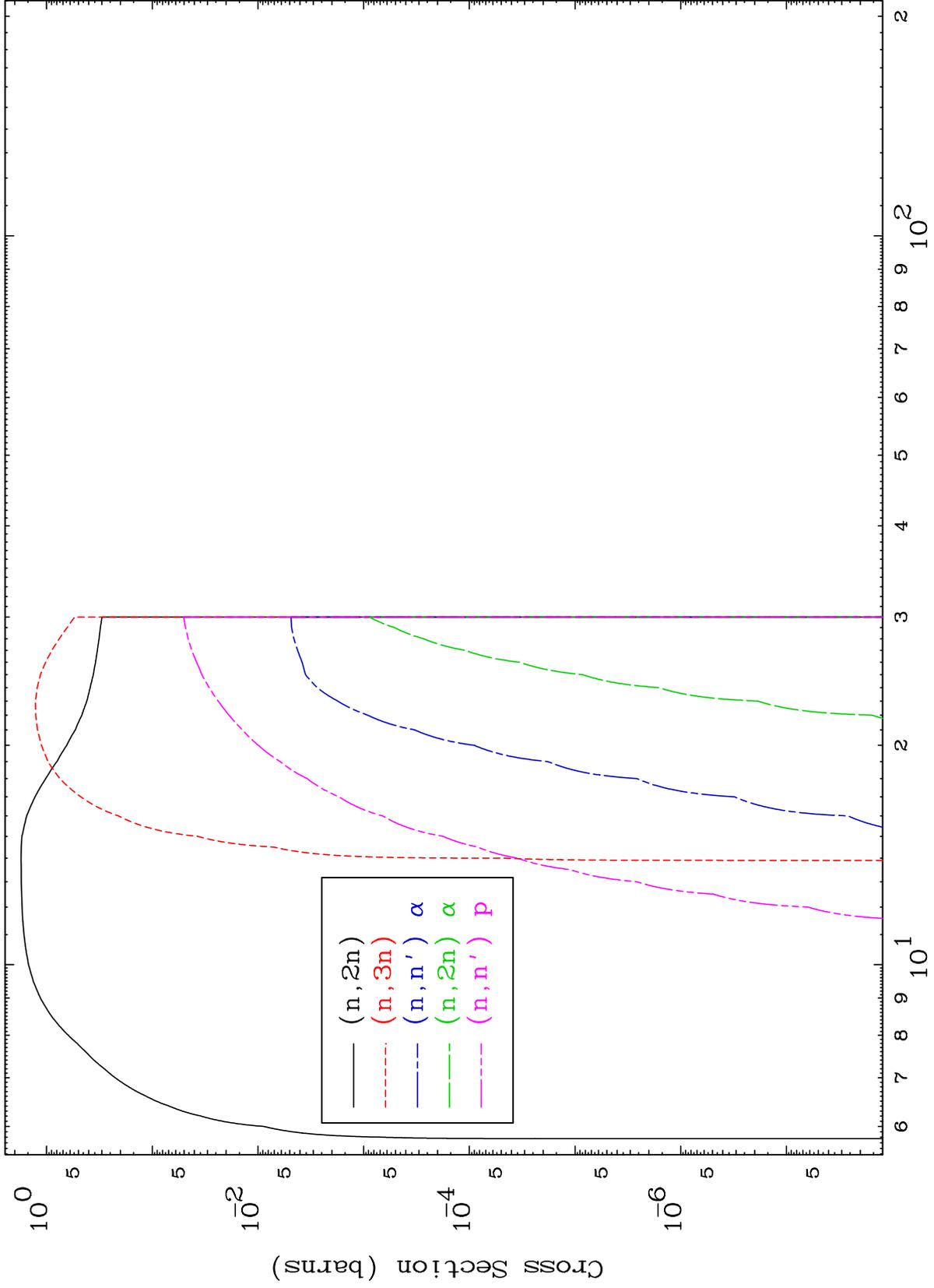
MAT 5152

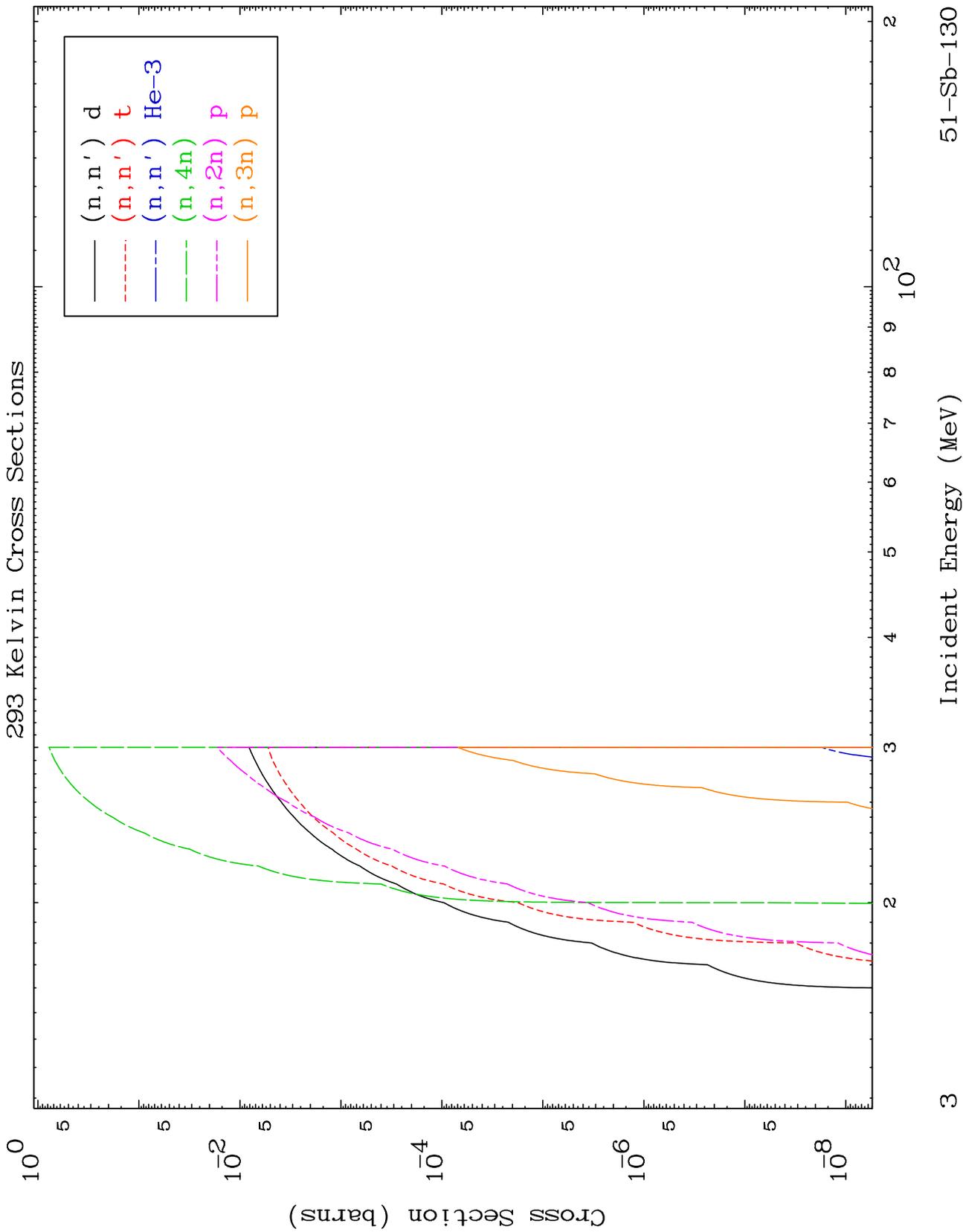
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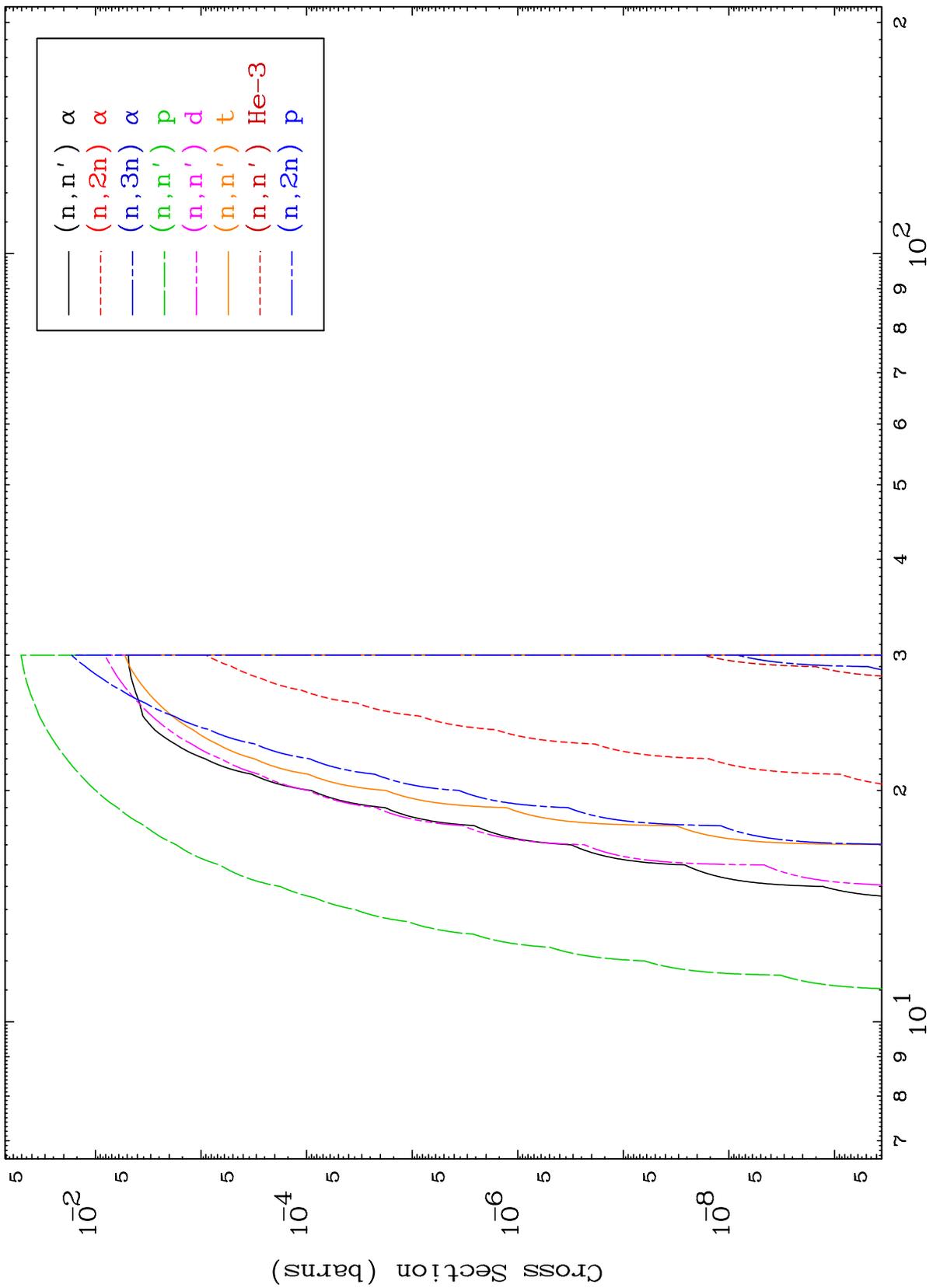
293 Kelvin Cross Sections

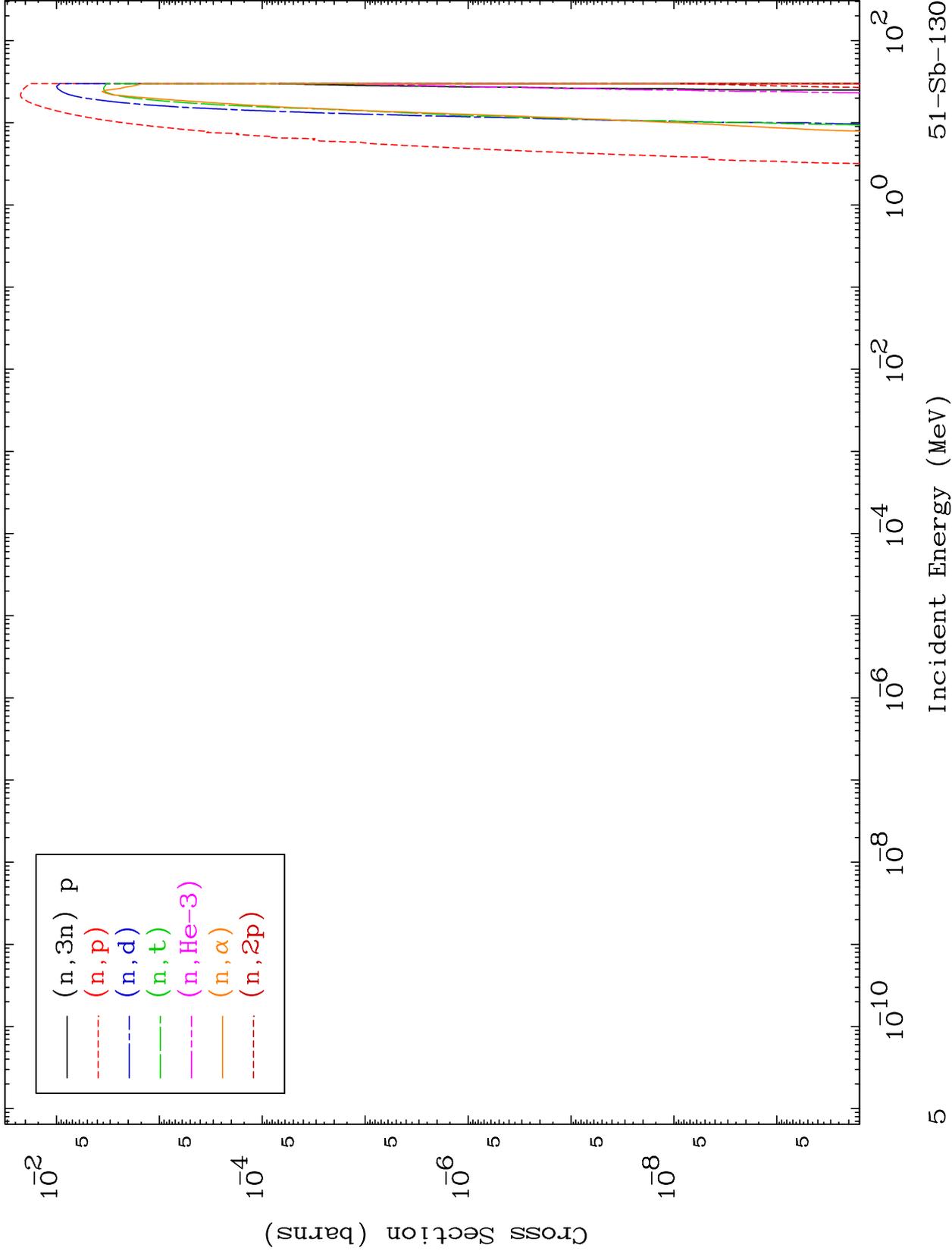
51-Sb-130

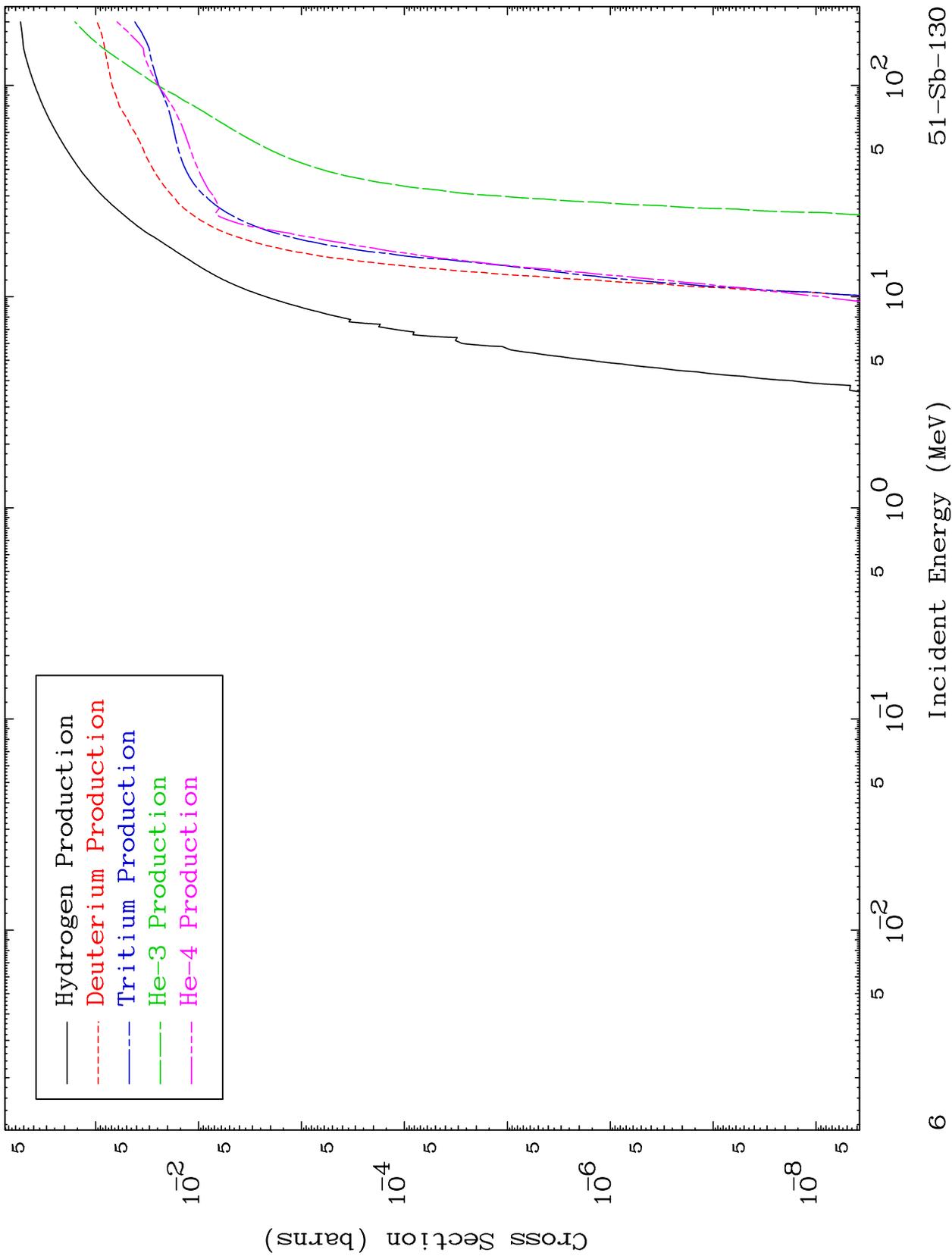








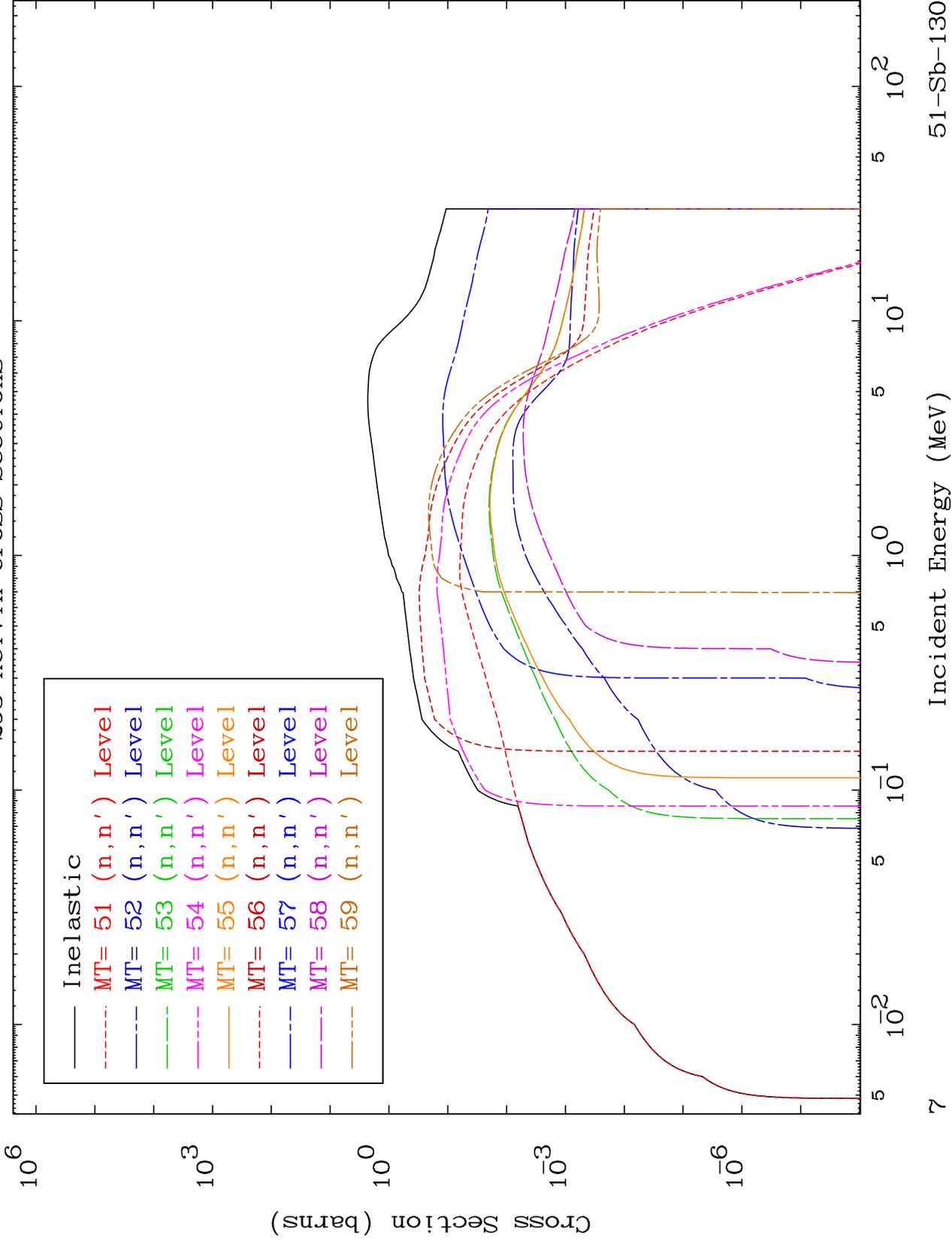




MAT 5152

(n,n') Level
293 Kelvin Cross Sections

51-Sb-130

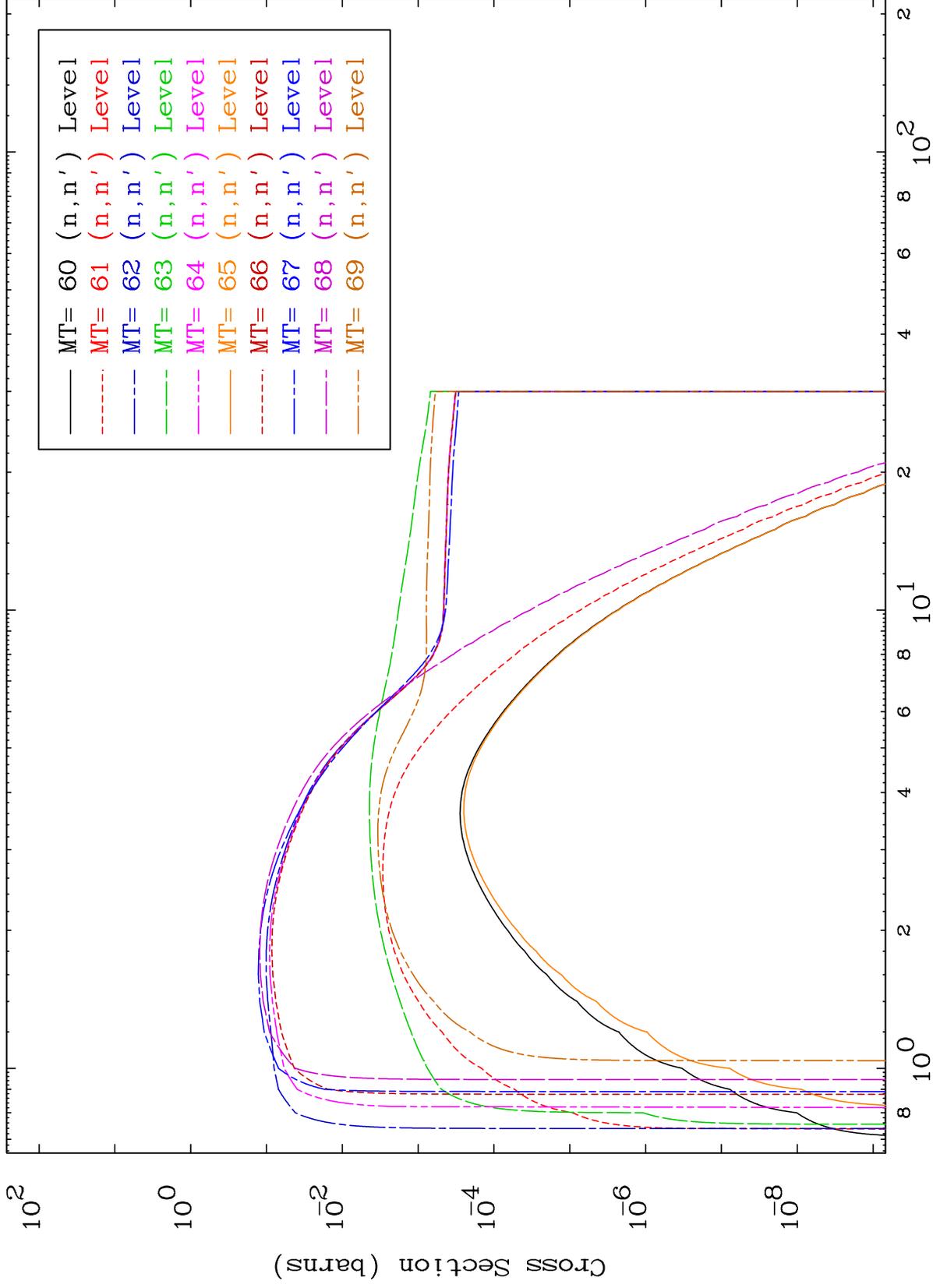


MAT 5152

(n,n') Level

51-Sb-130

293 Kelvin Cross Sections



8

Incident Energy (MeV)

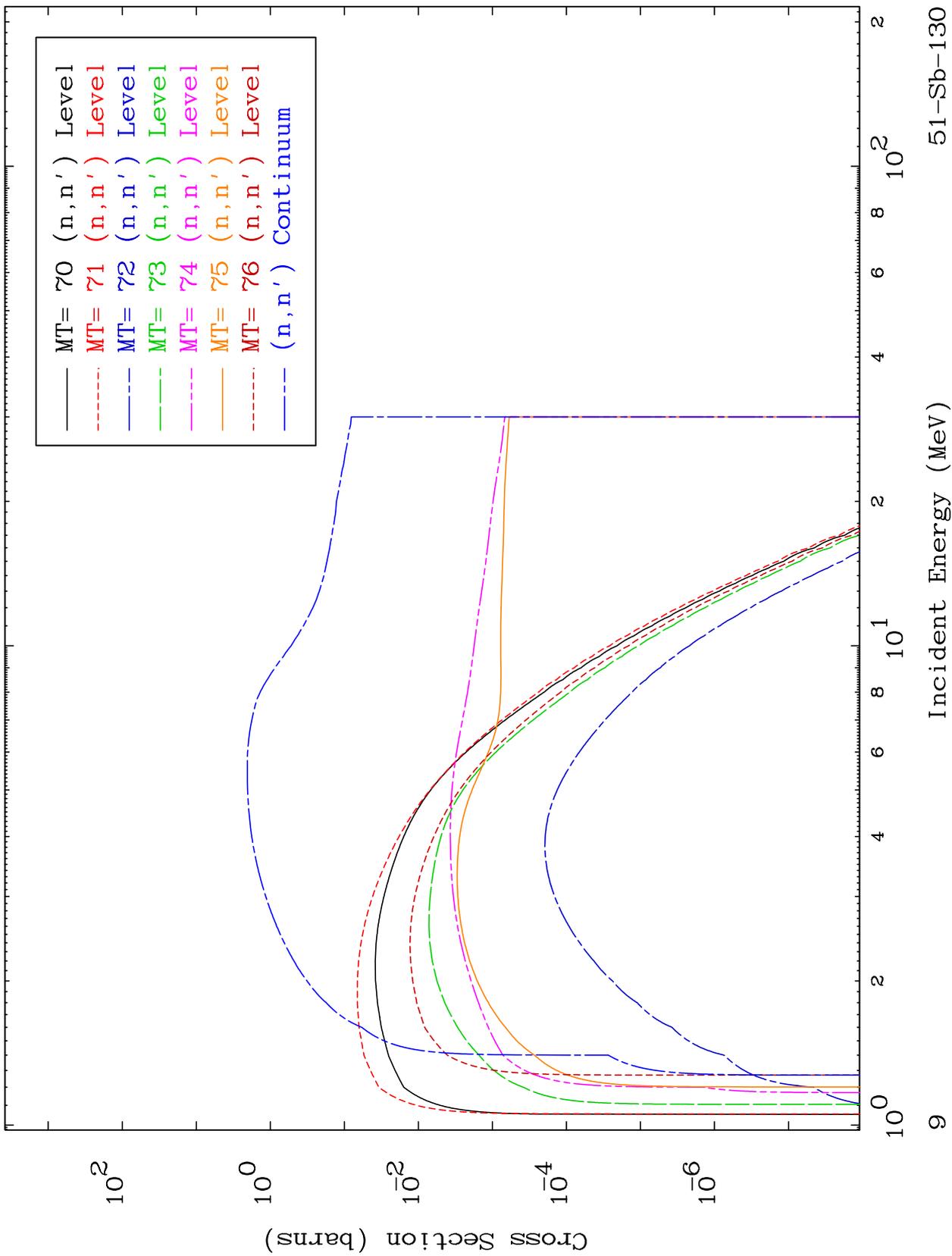
51-Sb-130

MAT 5152

(n,n') Level

51-Sb-130

293 Kelvin Cross Sections



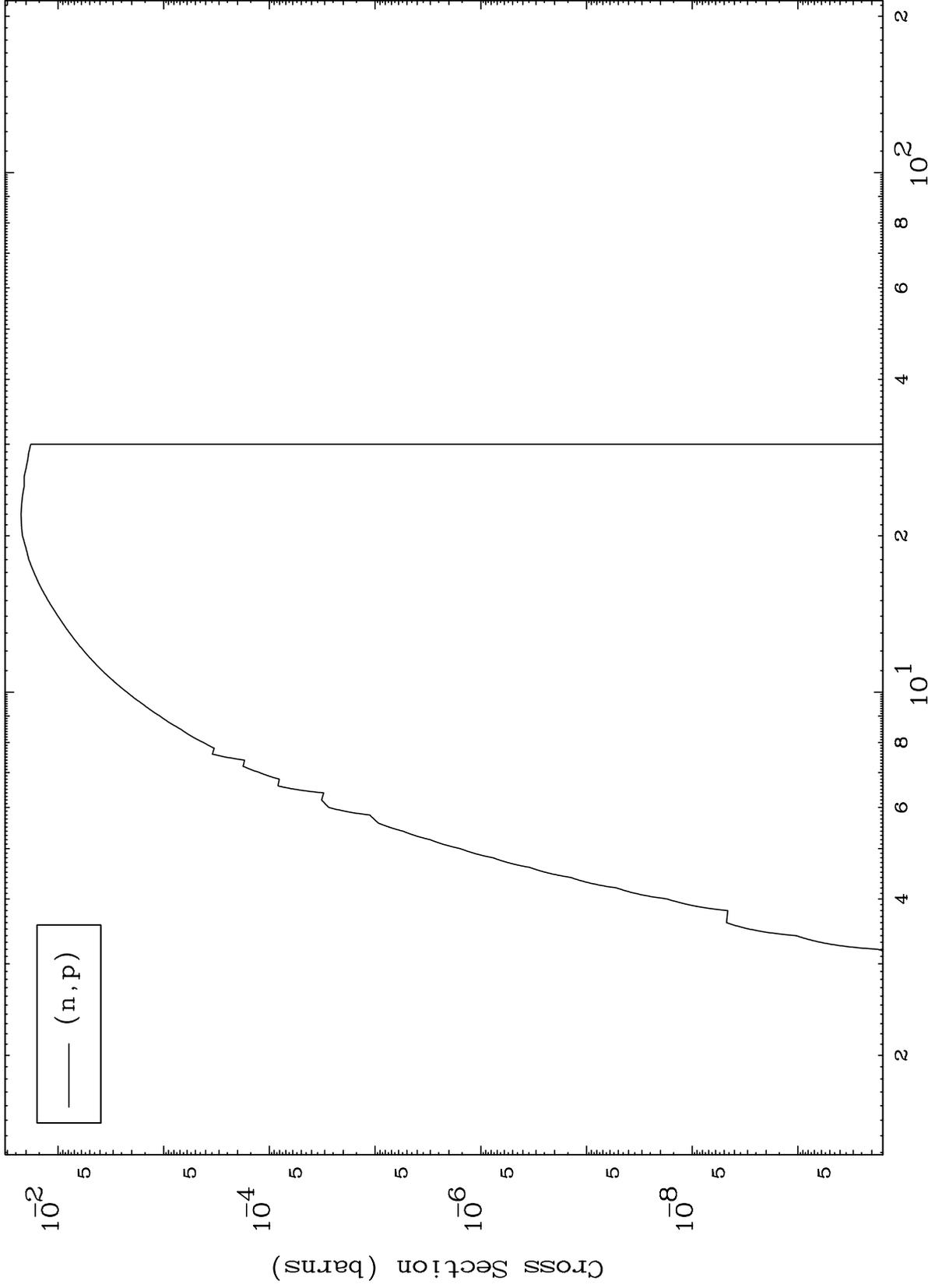
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-130



10

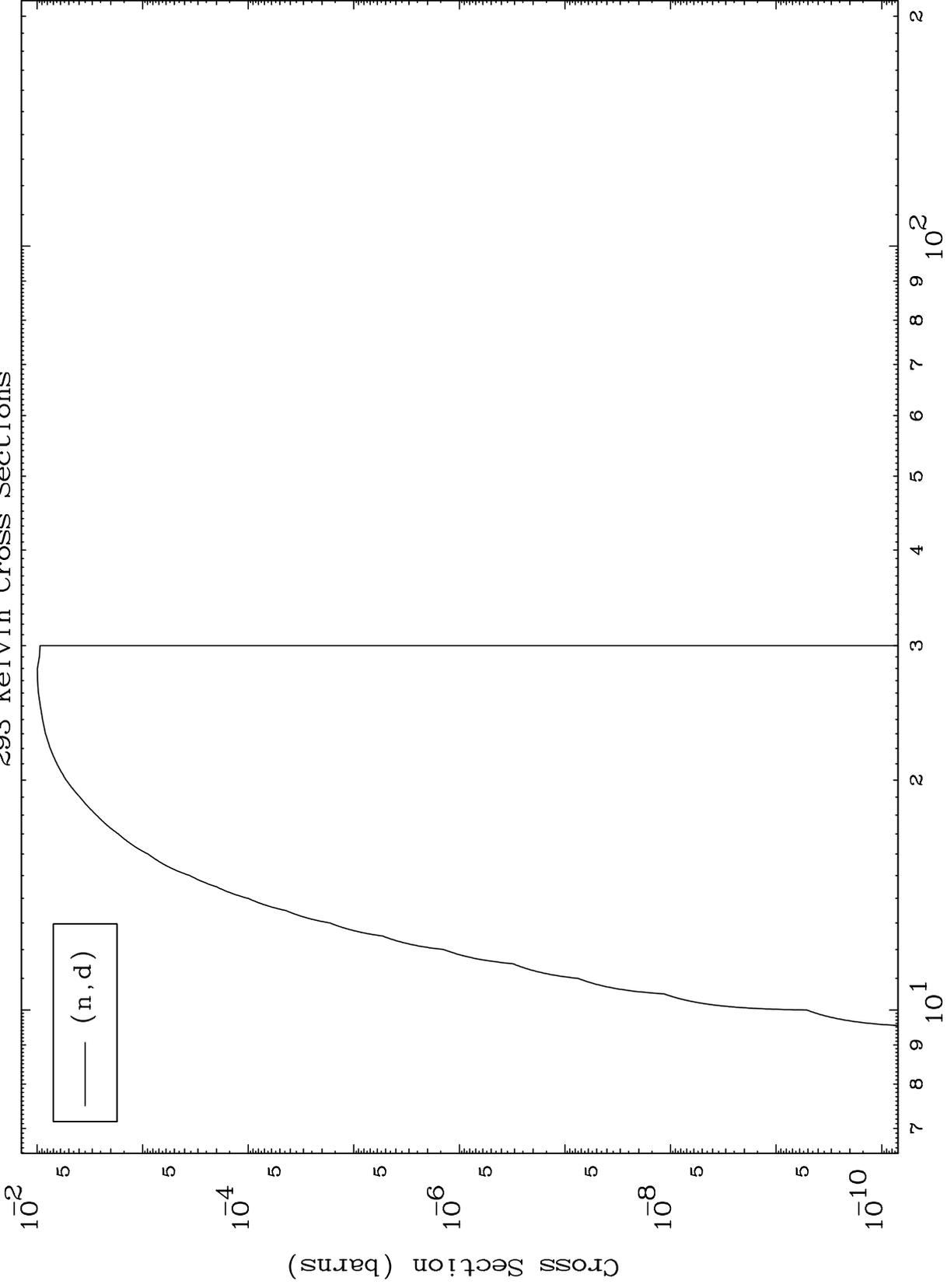
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51-Sb-130

MAT 5152

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-130



11

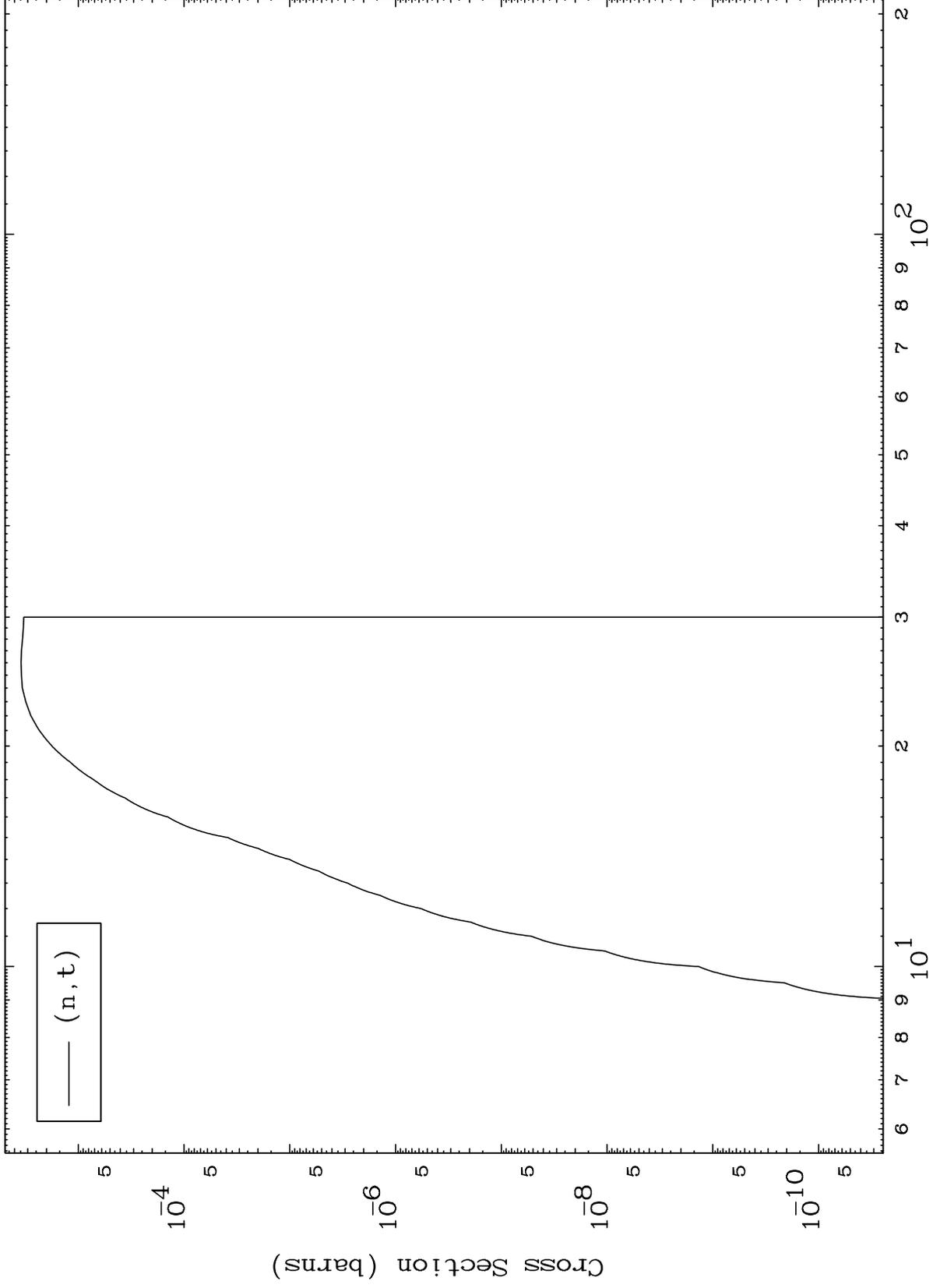
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51-Sb-130

MAT 5152

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-130



12

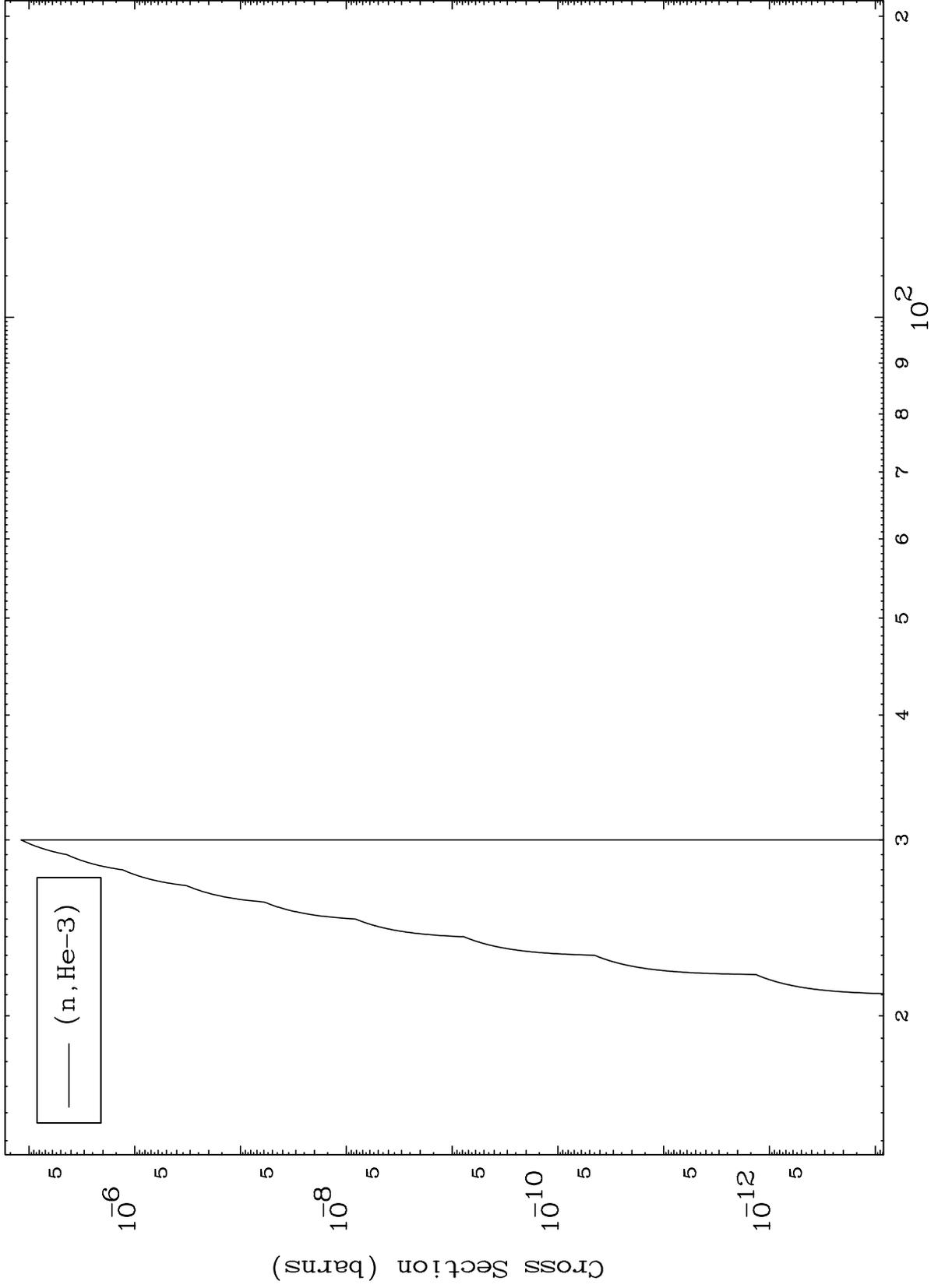
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-130



13

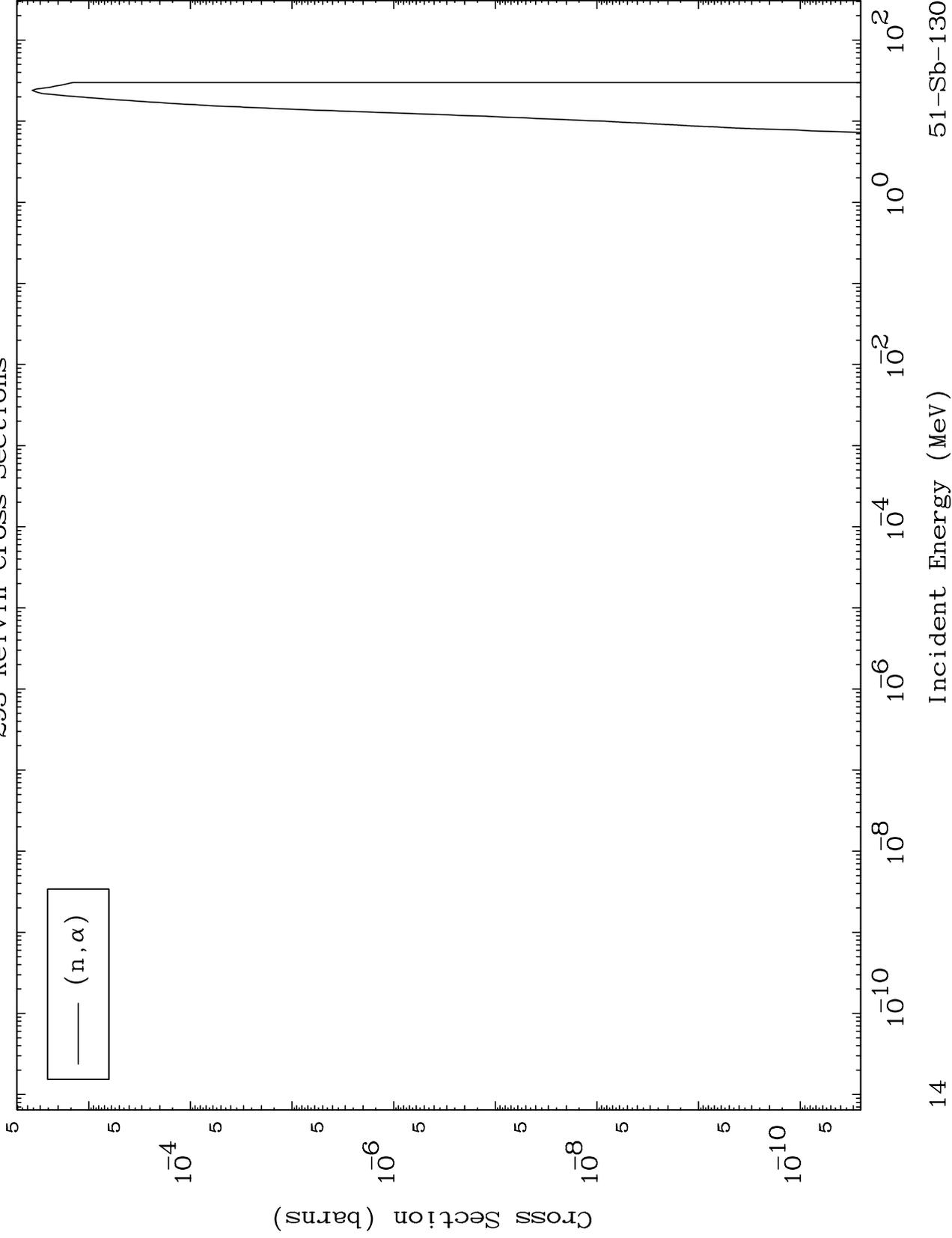
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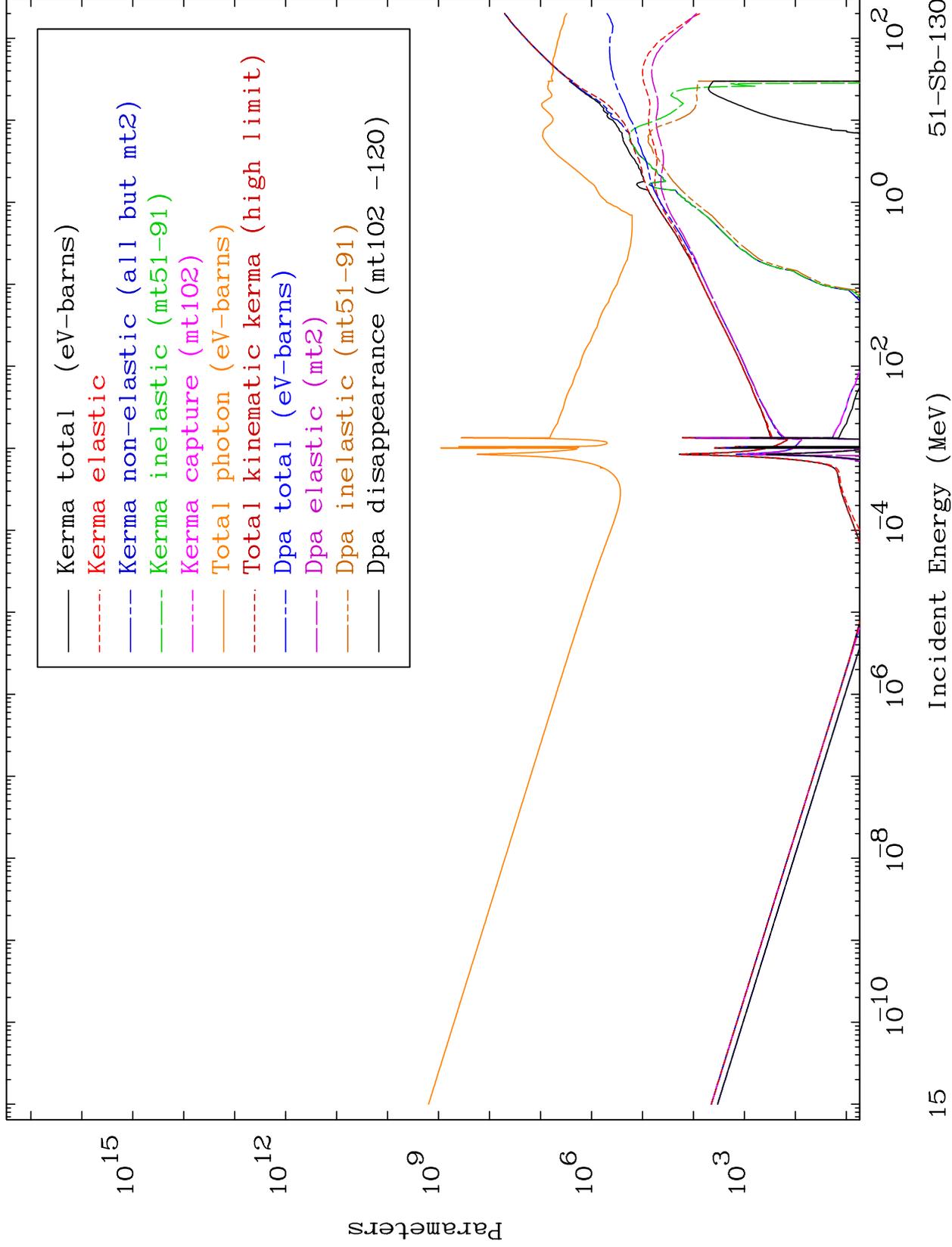
51-Sb-130

MAT 5152

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-130

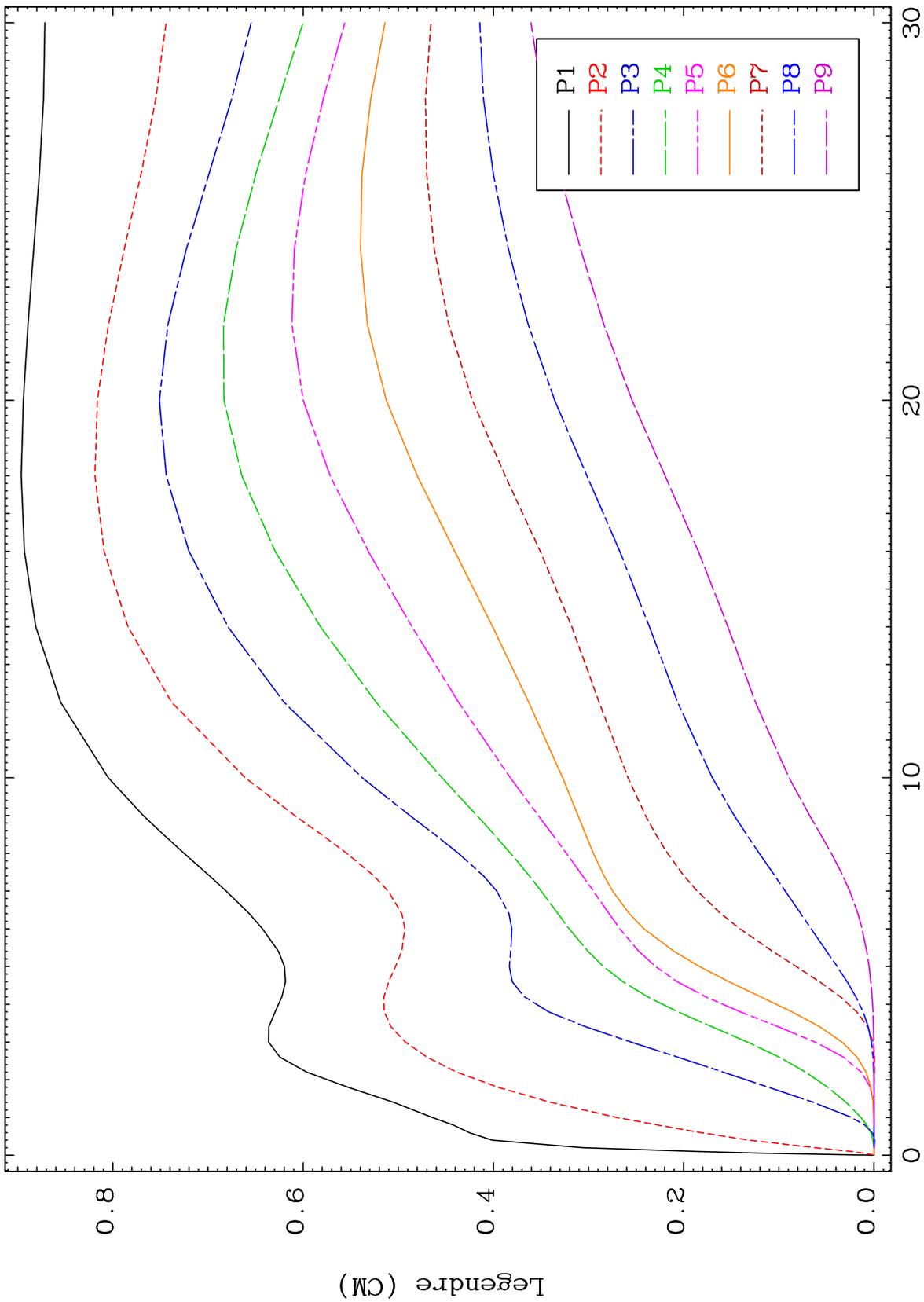




MAT 5152

51-Sb-130

Elastic Legendre Coefficients



16

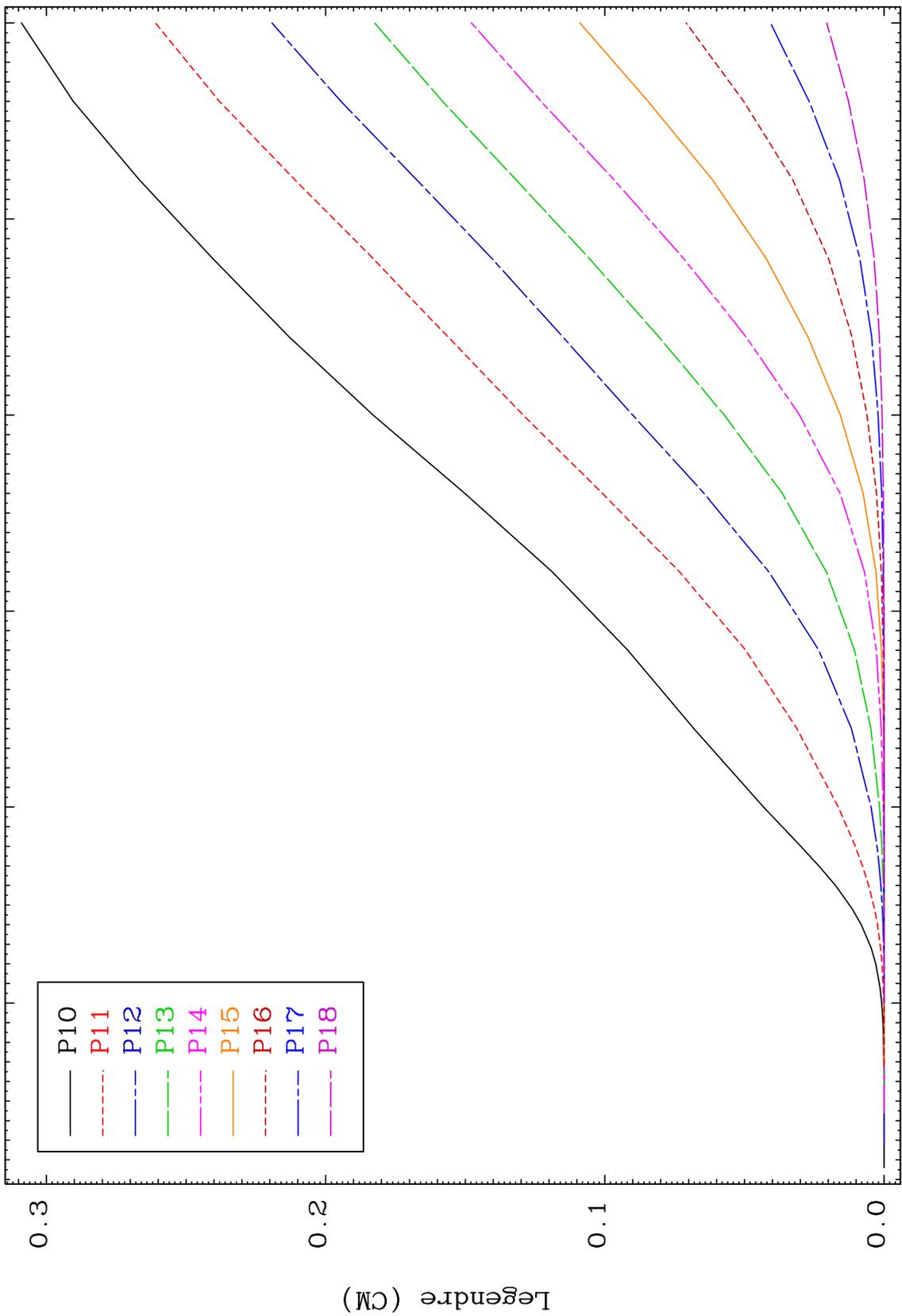
Incident Energy (MeV)

51-Sb-130

MAT 5152

Elastic Legendre Coefficients

51-Sb-130



17

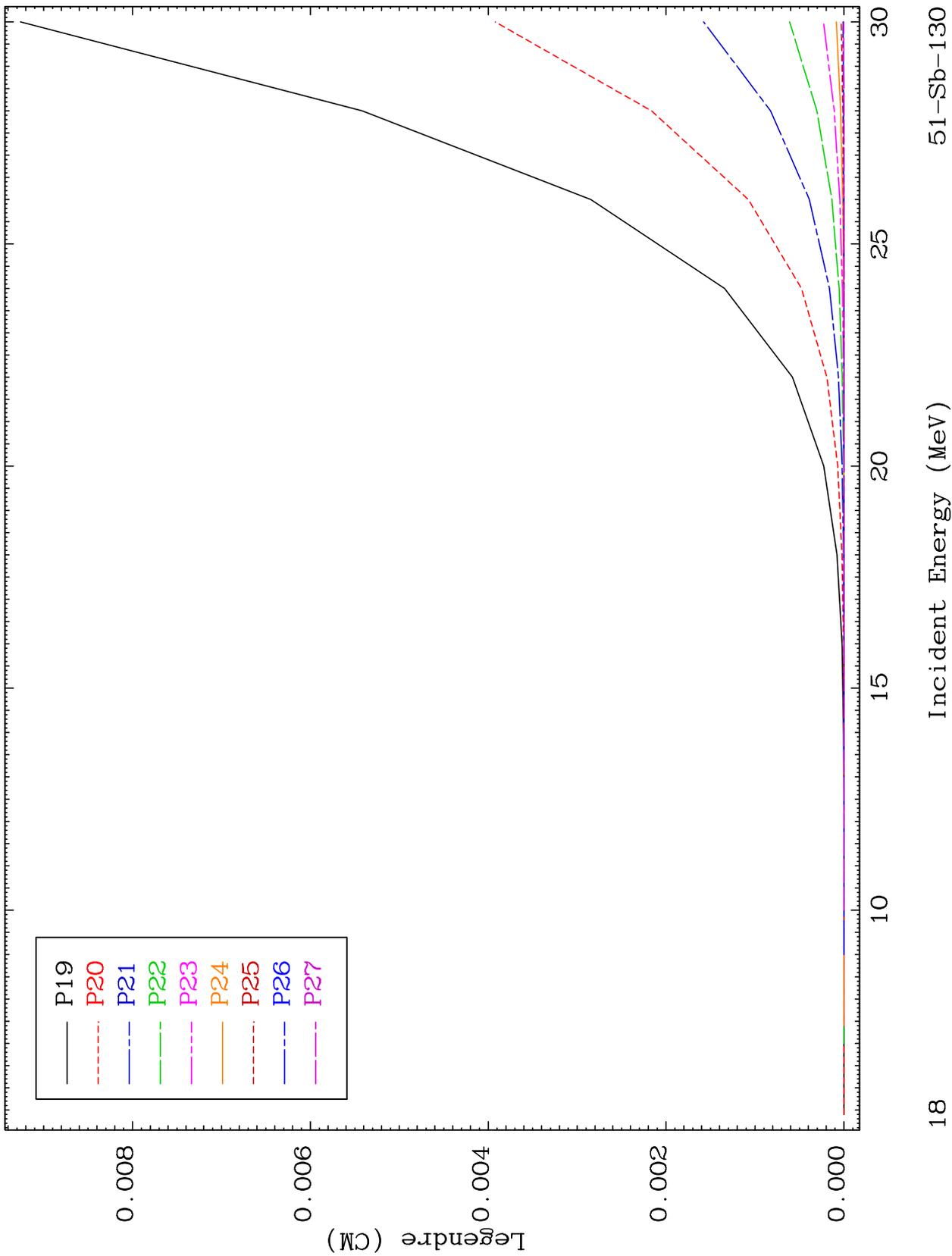
Incident Energy (MeV)

51-Sb-130

MAT 5152

Elastic Legendre Coefficients

51-Sb-130



18

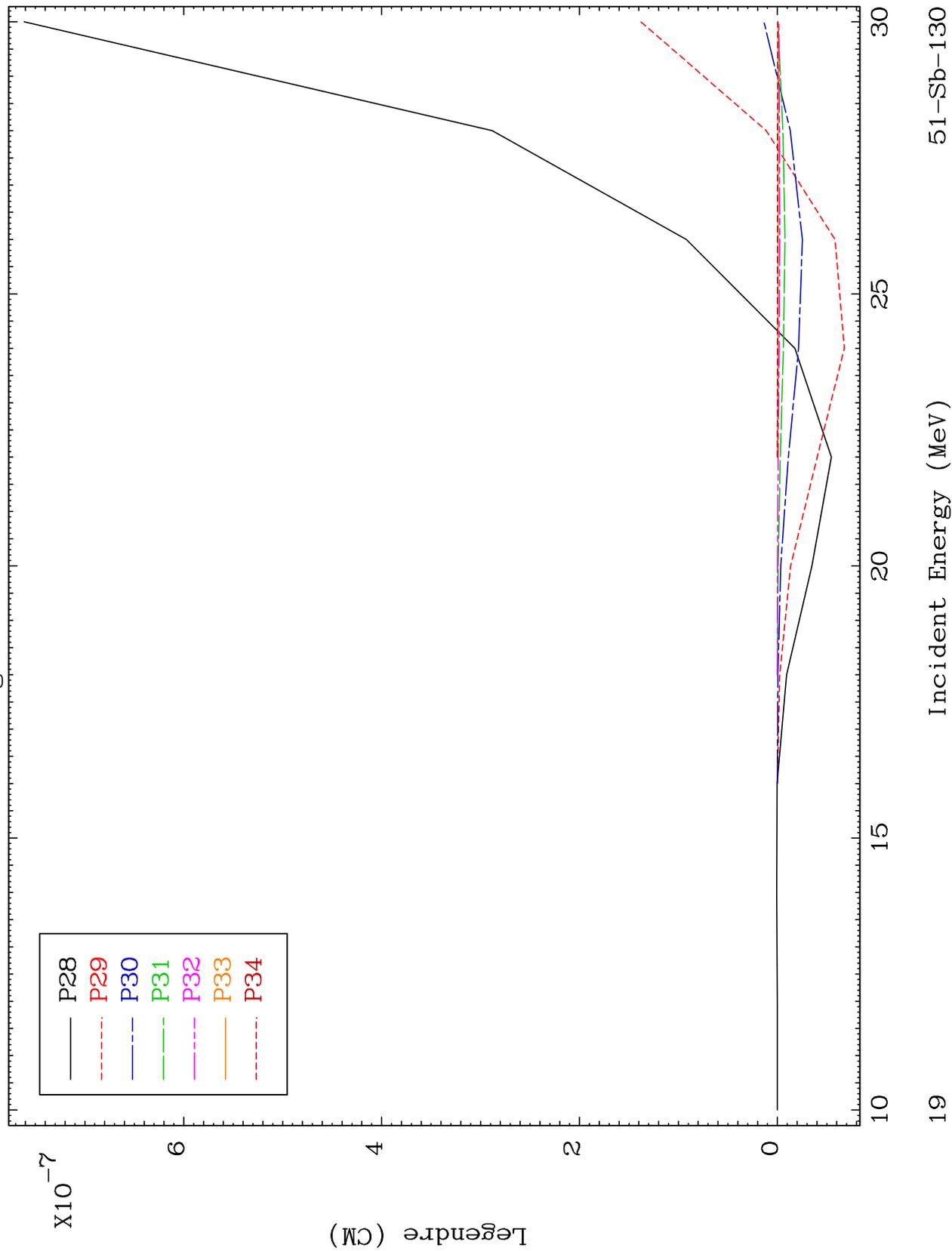
Incident Energy (MeV)

51-Sb-130

MAT 5152

Elastic Legendre Coefficients

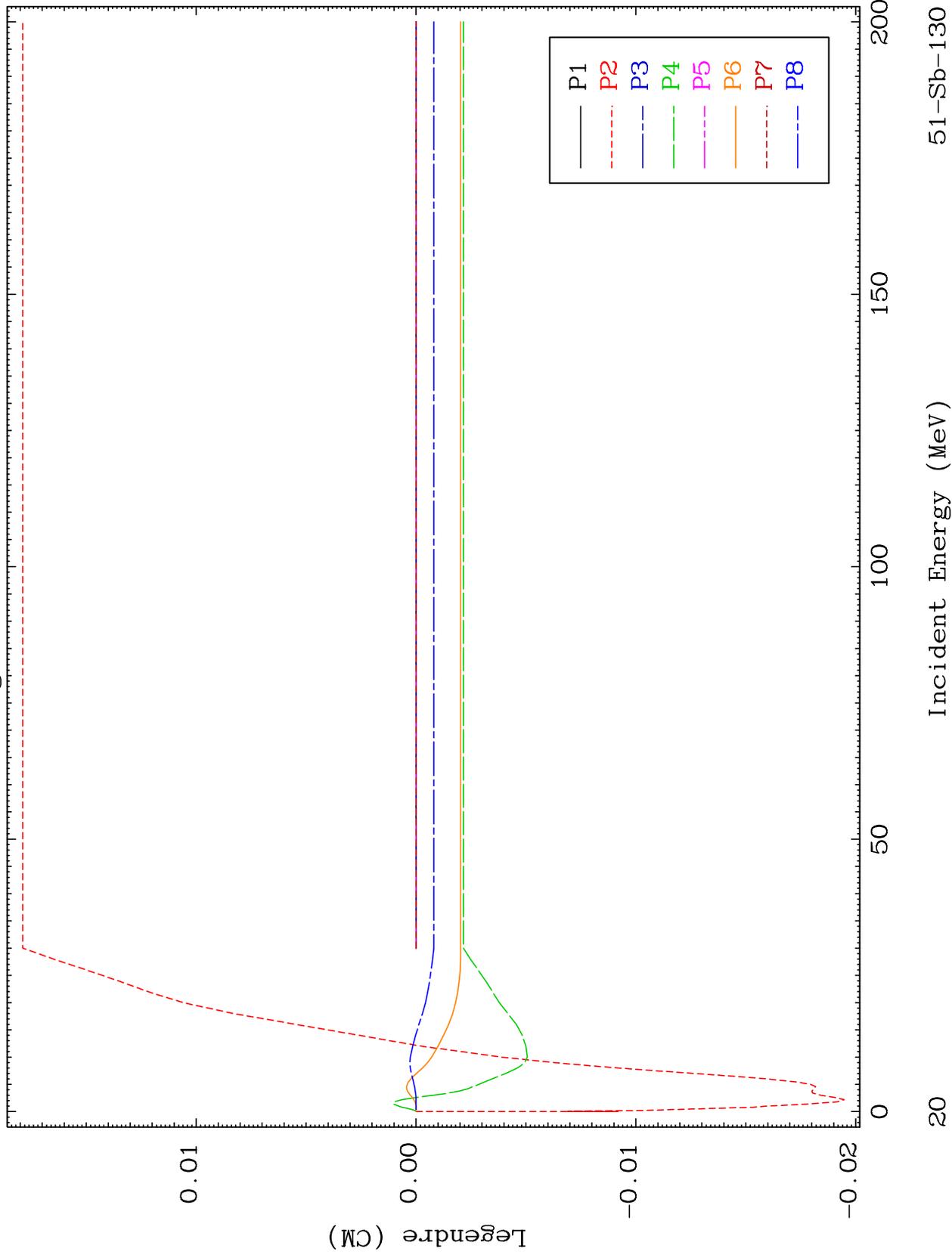
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MAT 5152

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

51-Sb-130



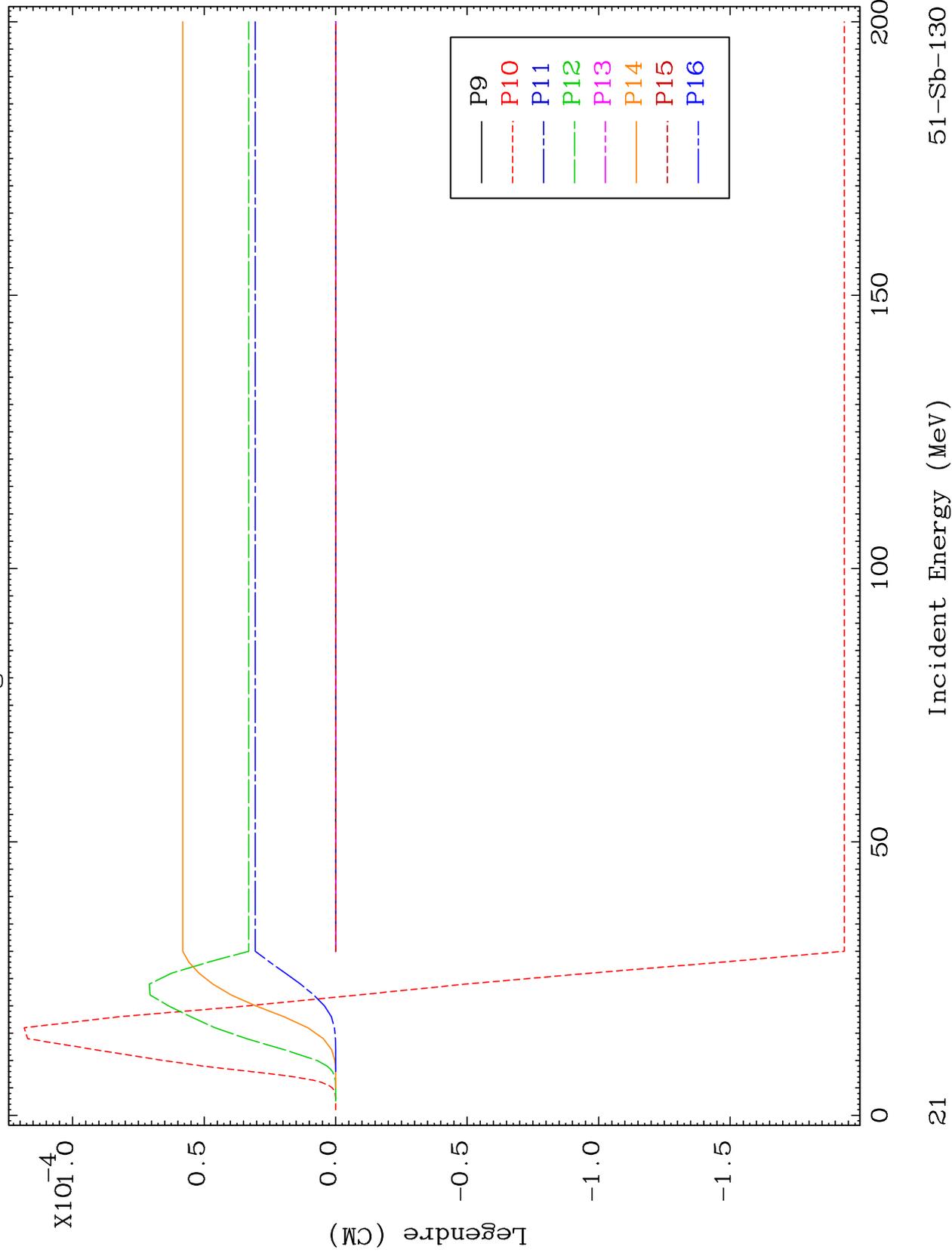
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Incident Energy (MeV)

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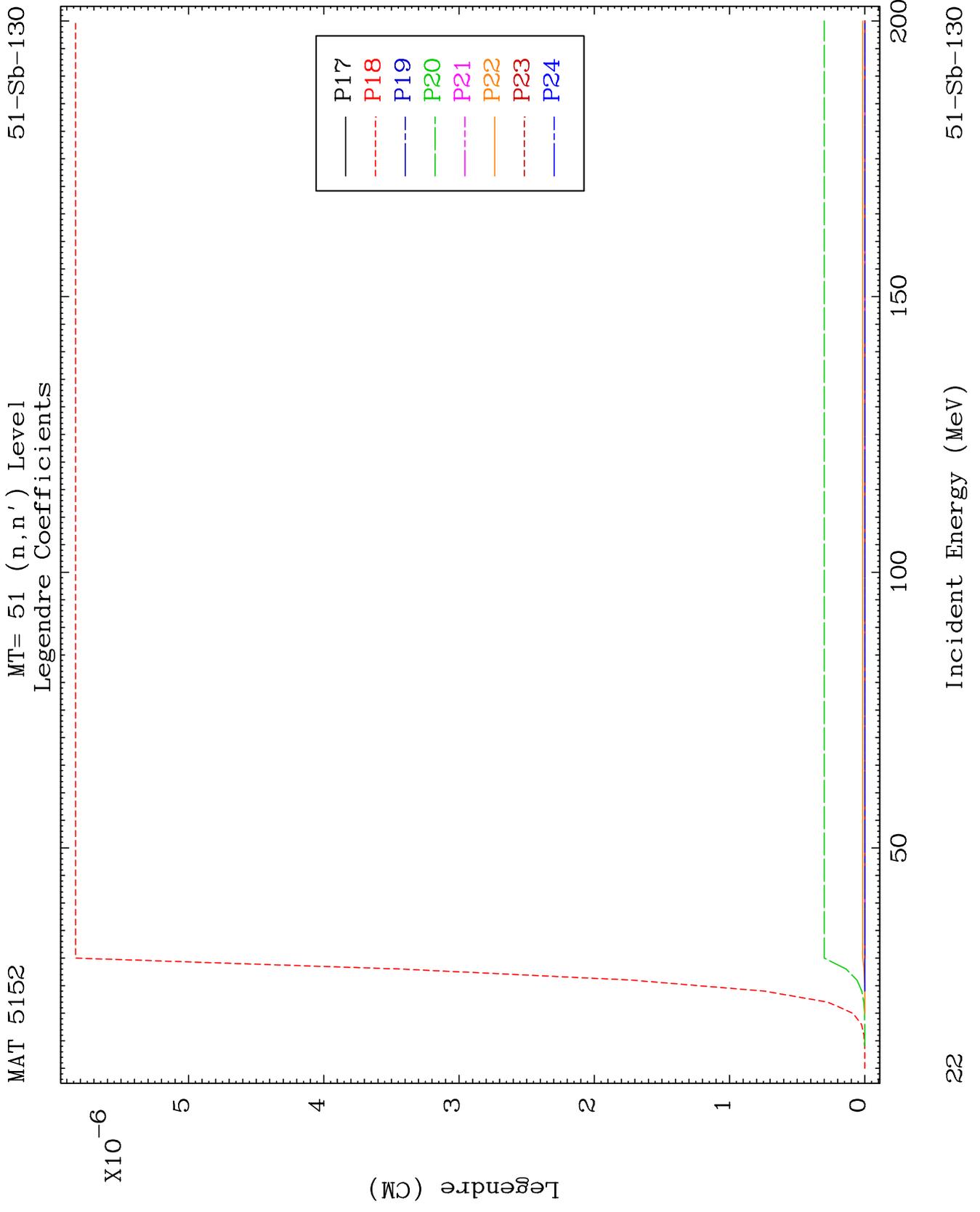
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21

Incident Energy (MeV)

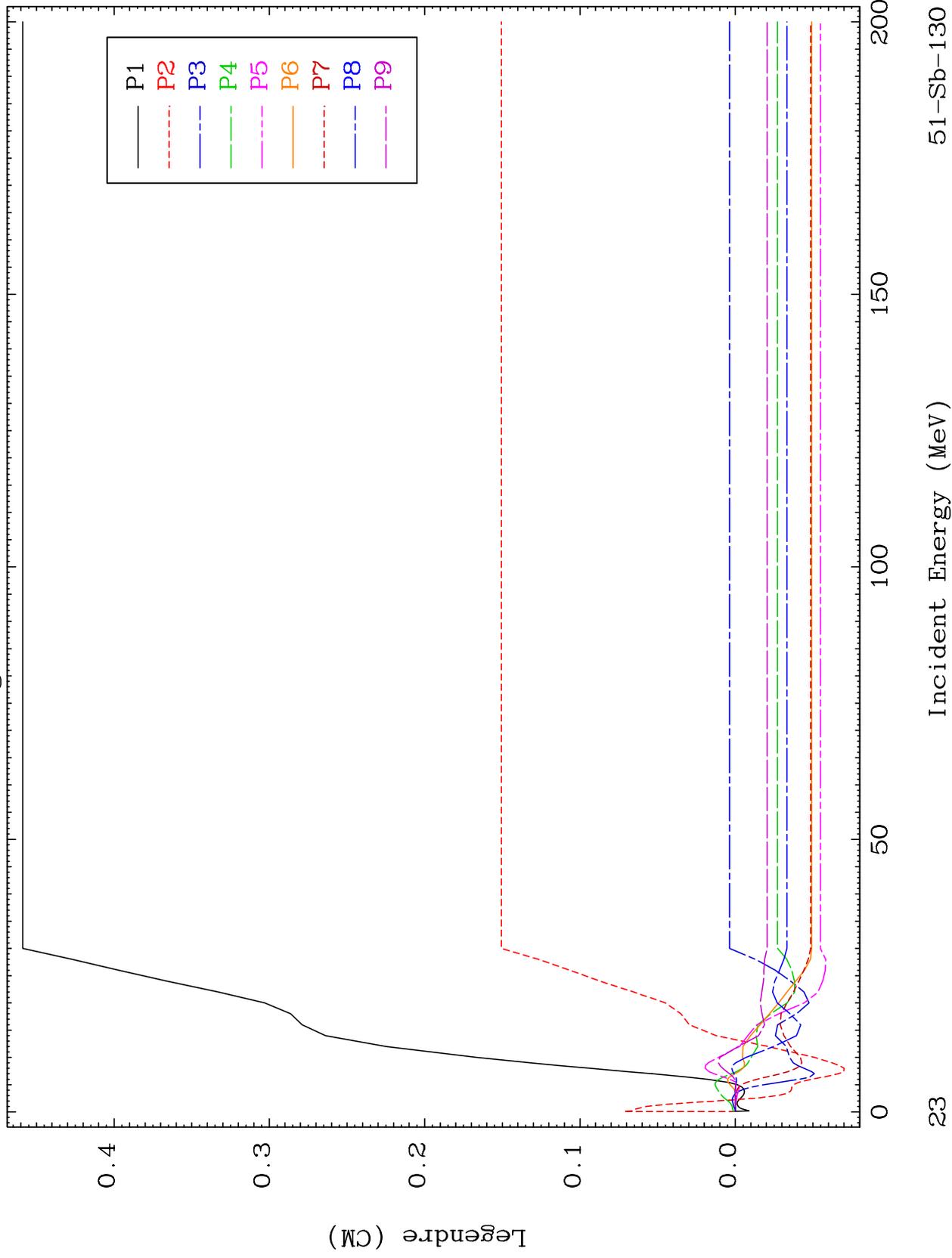
51-Sb-130



MAT 5152

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

51-Sb-130



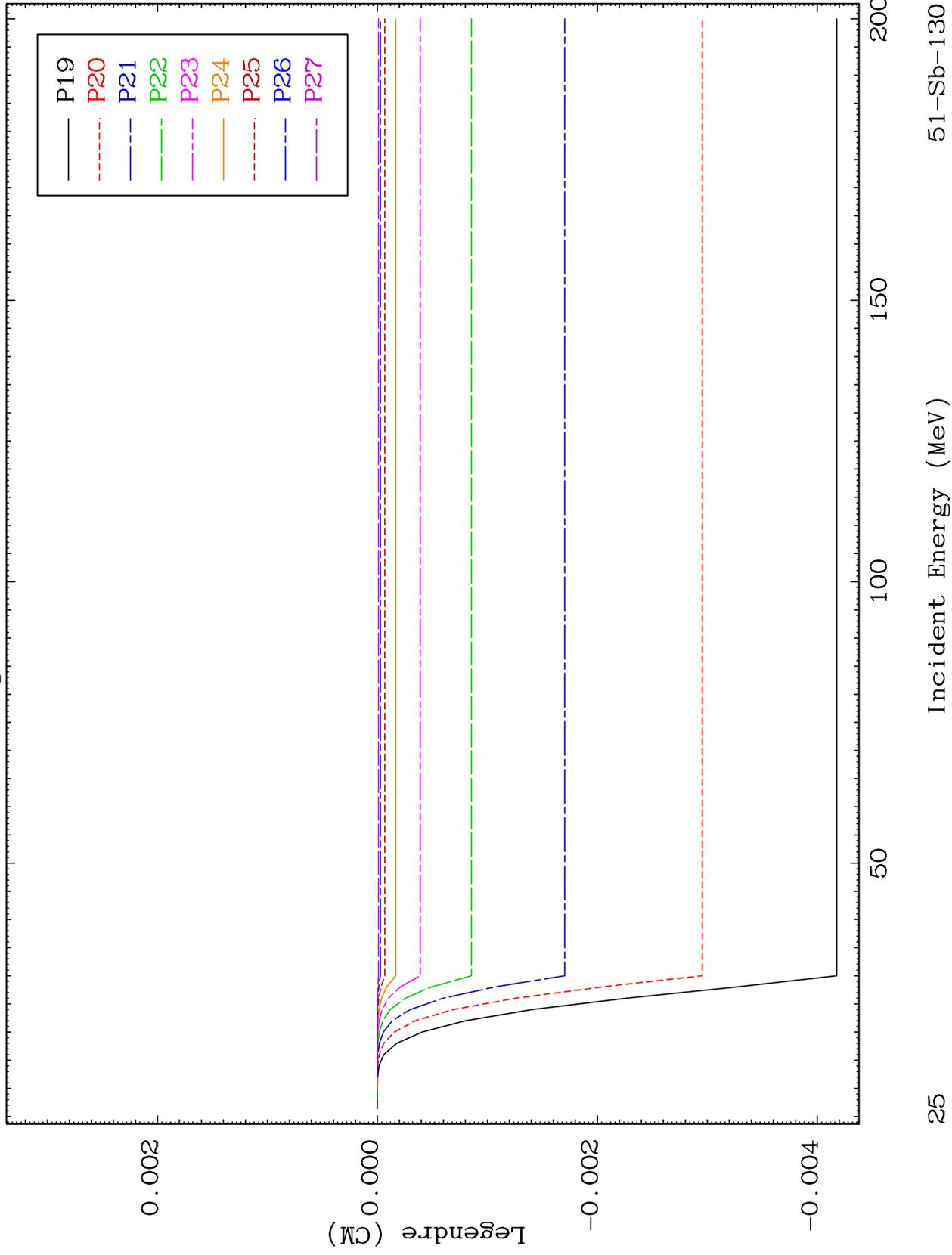
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51-Sb-130

MAT 5152

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

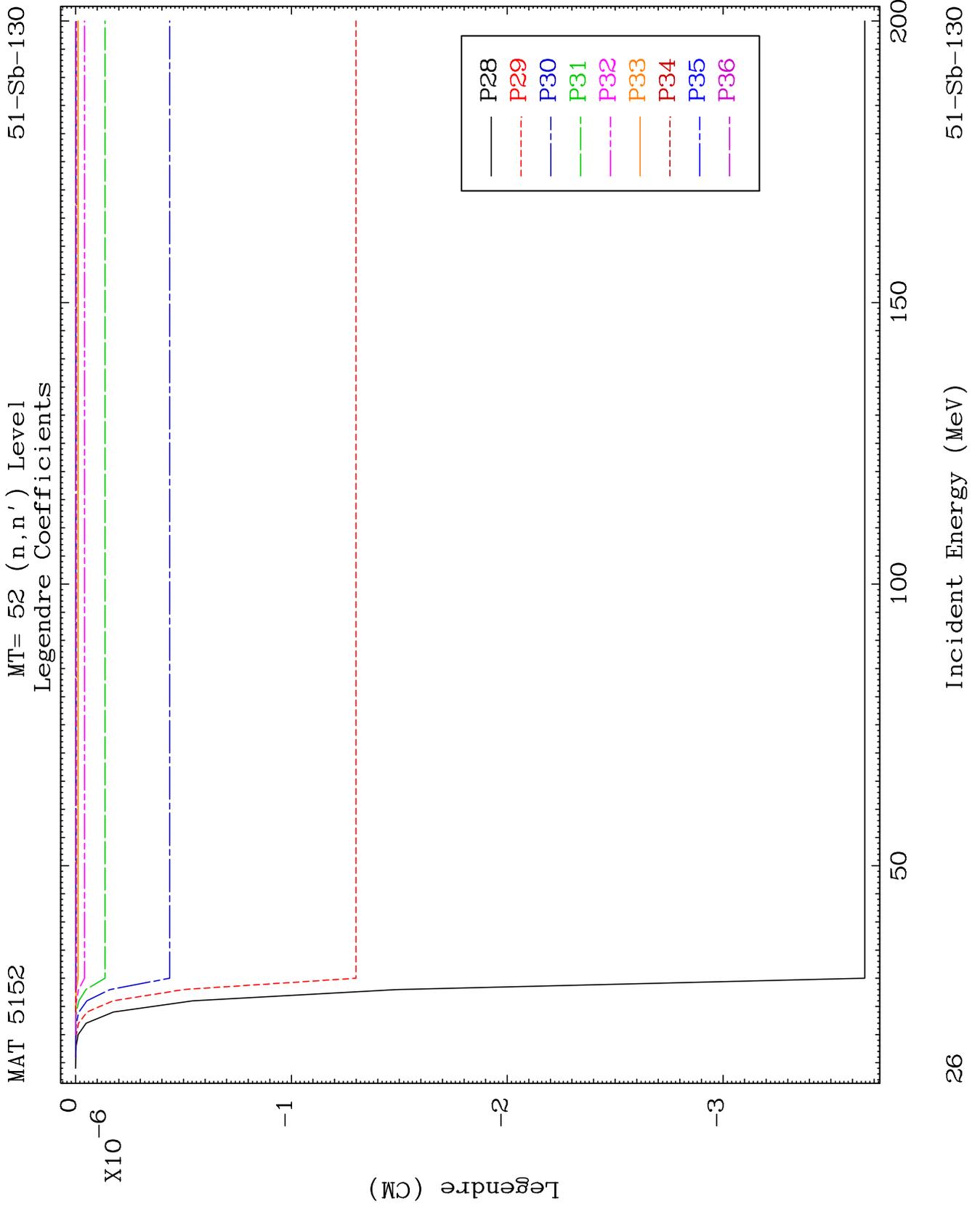
51-Sb-130



51-Sb-130

Incident Energy (MeV)

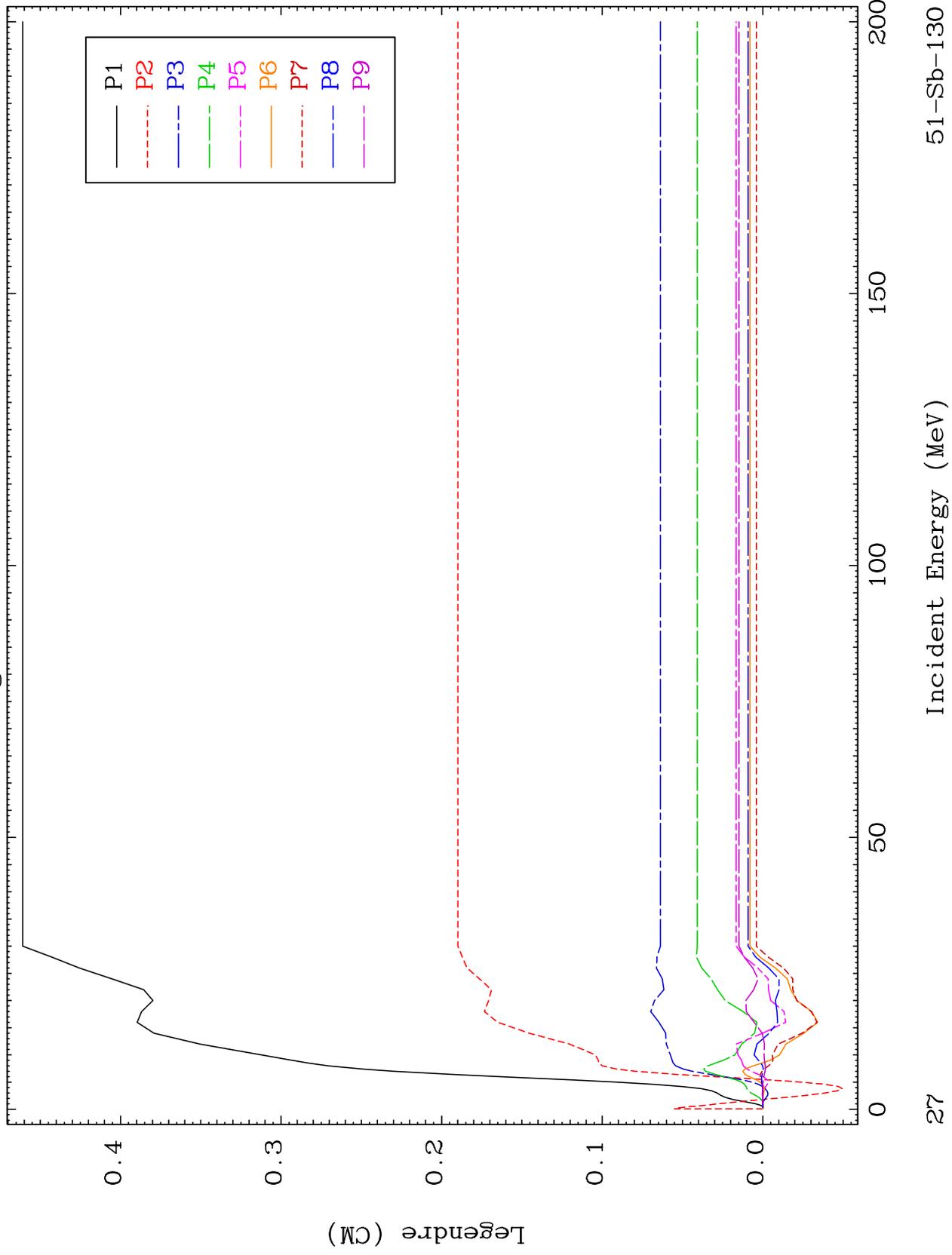
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MAT 5152

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

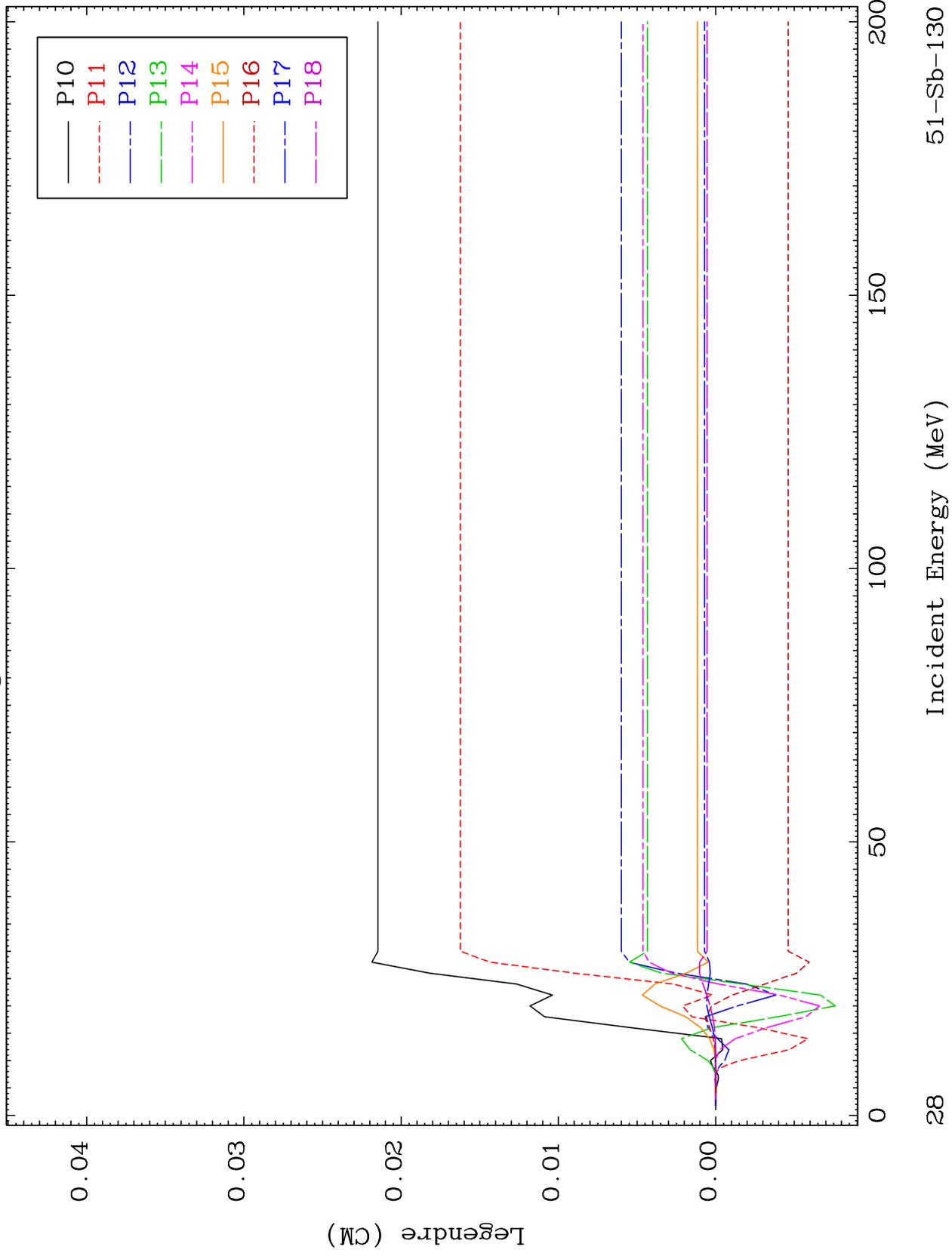
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MAT 5152

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

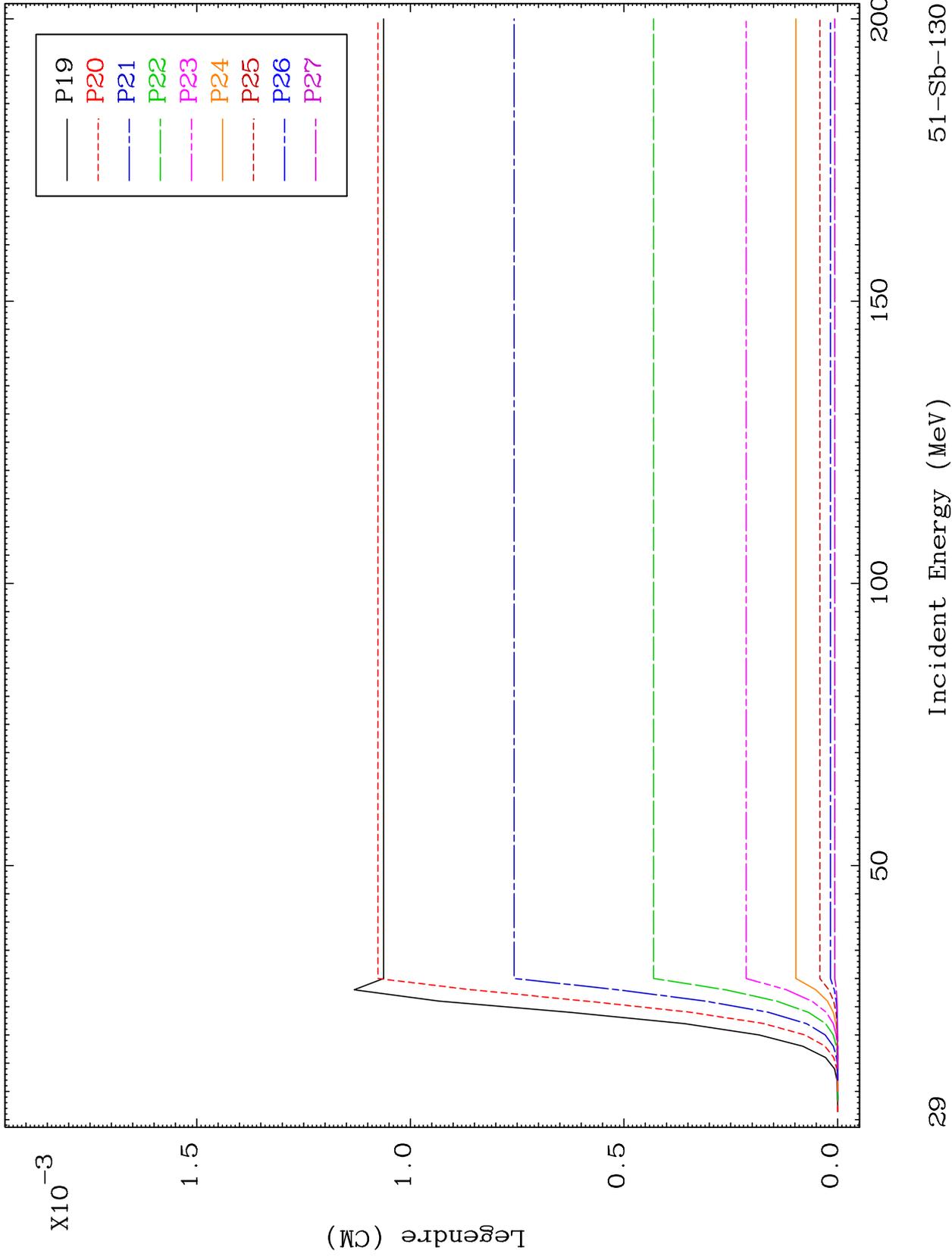
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51-Sb-130

Incident Energy (MeV)

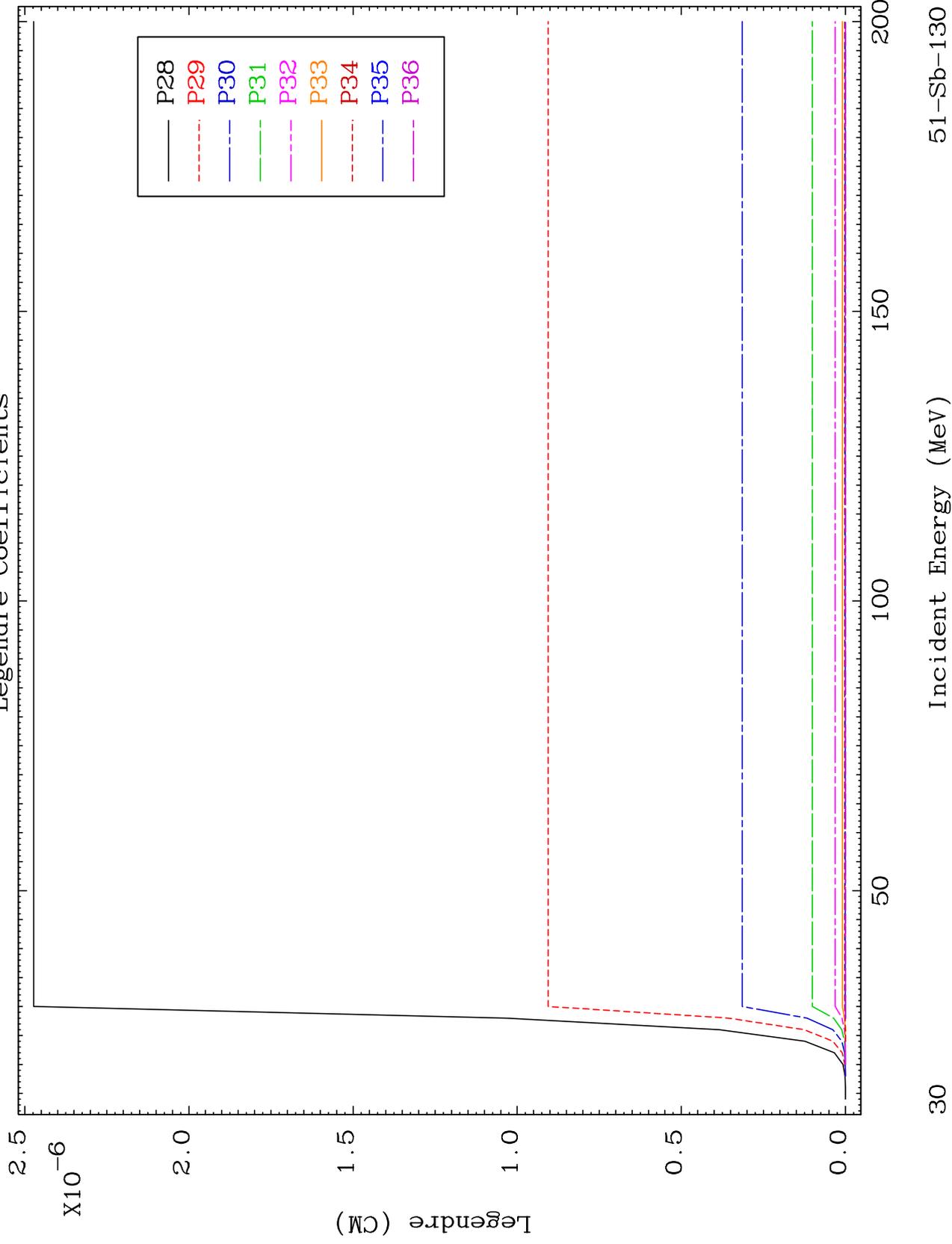
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MAT 5152

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

51-Sb-130



30

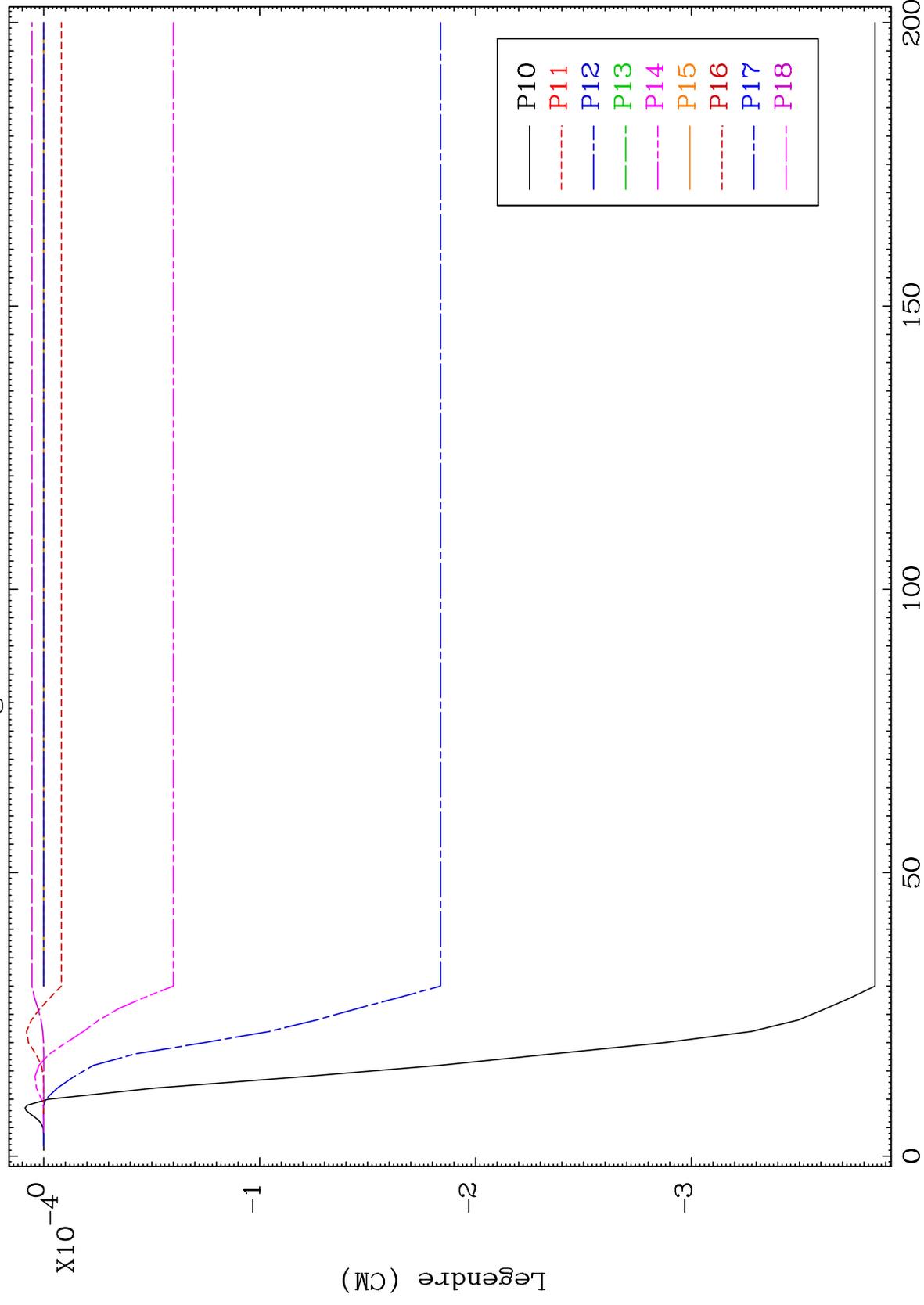
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



32

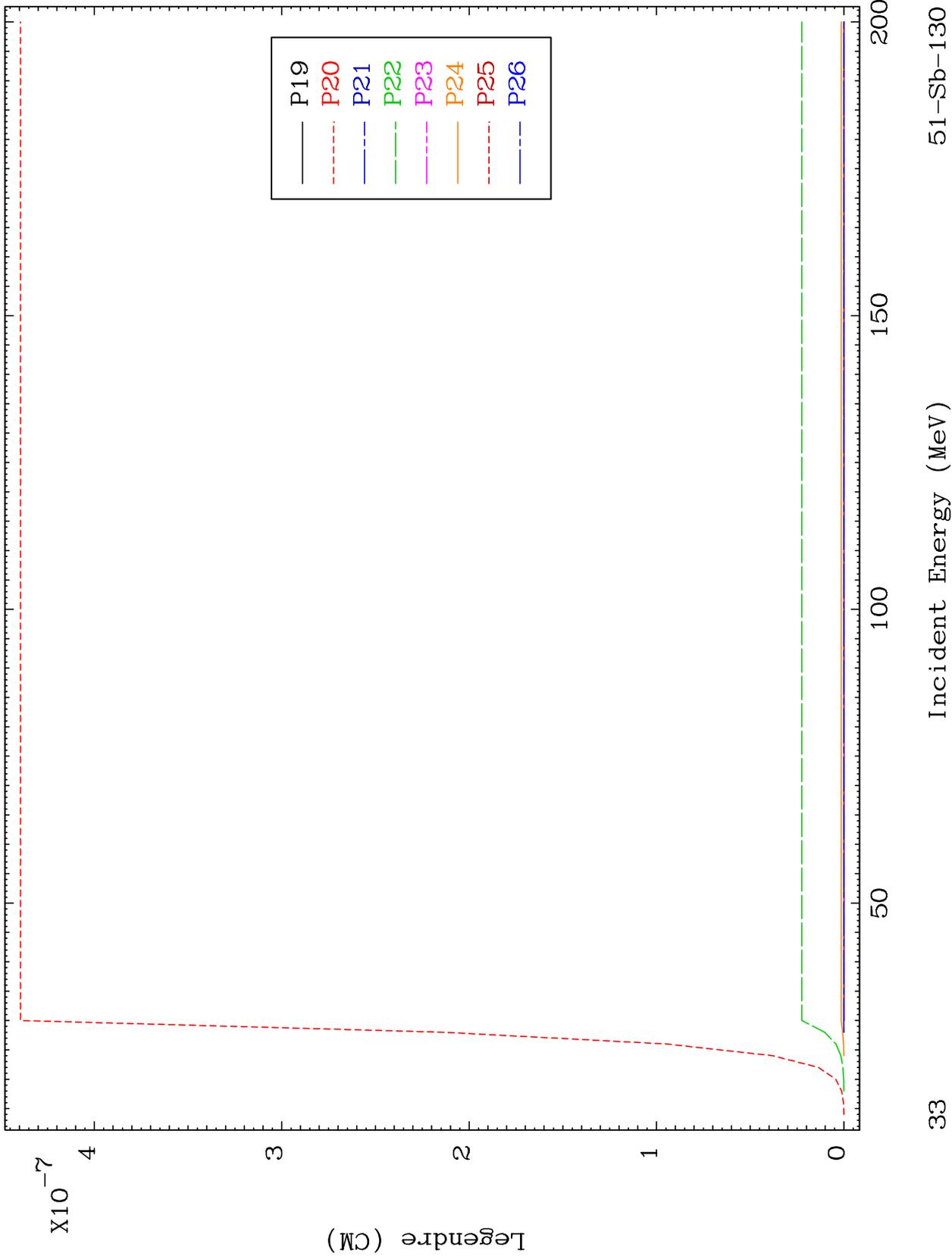
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



33

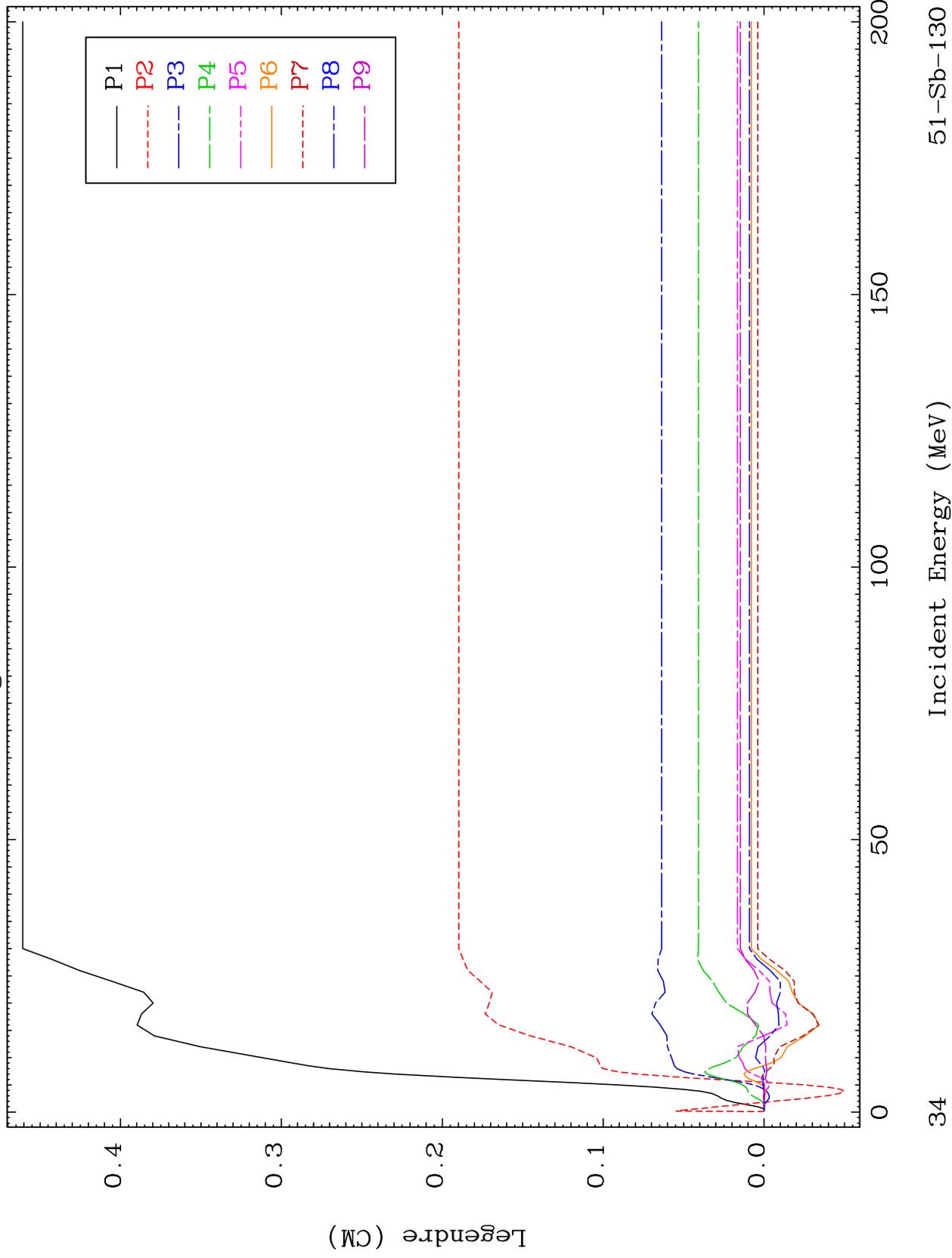
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

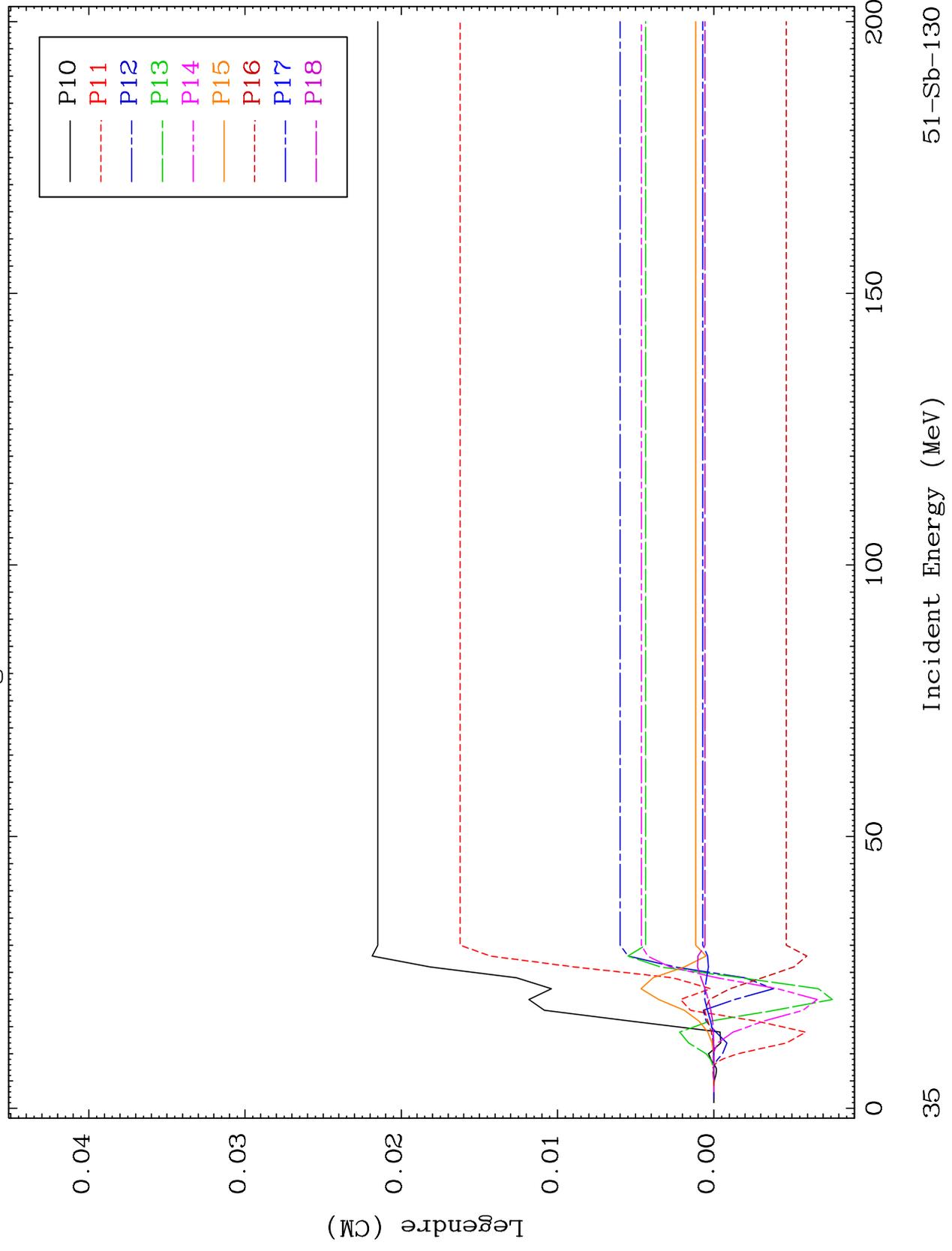
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MAT 5152

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

51-Sb-130



51-Sb-130

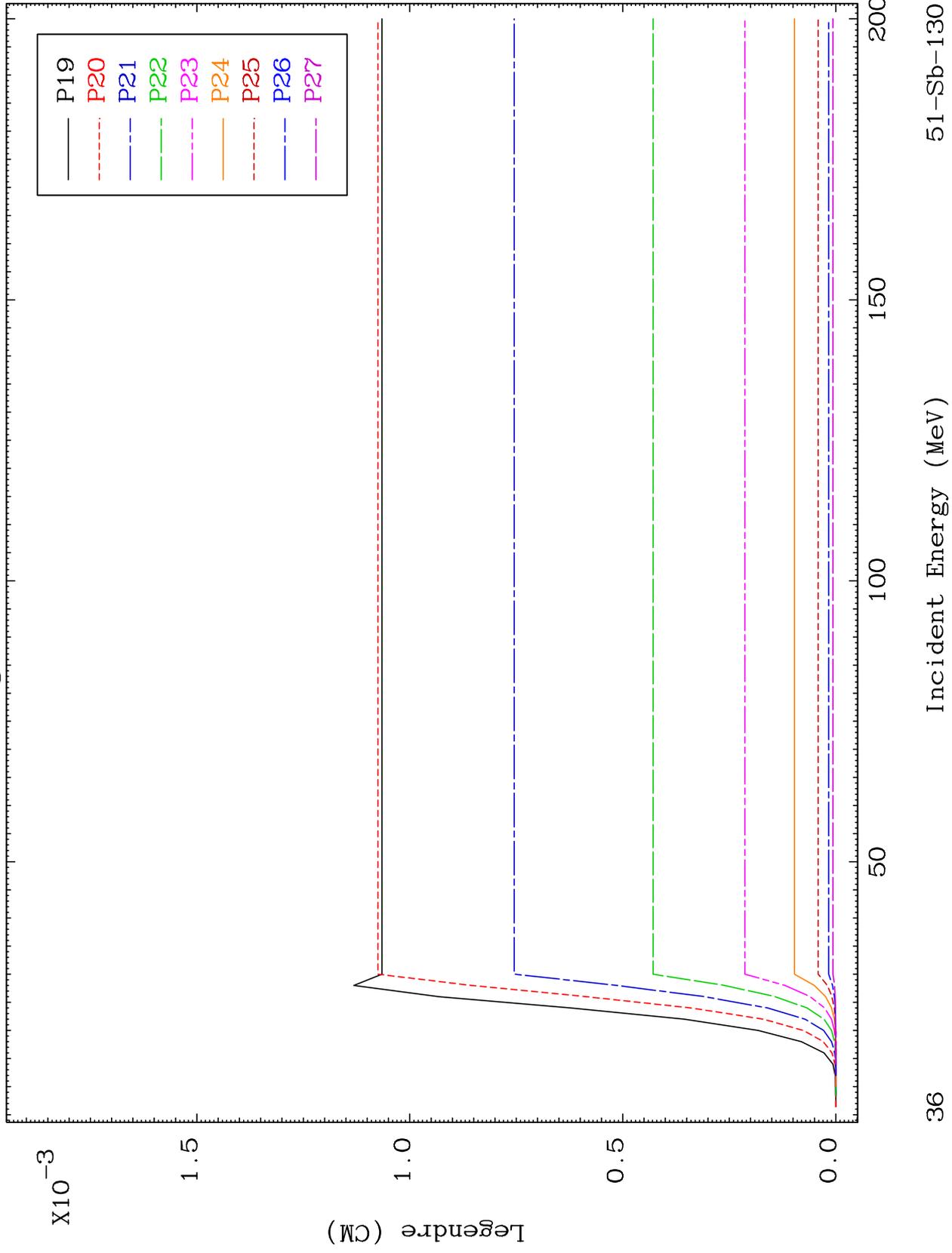
Incident Energy (MeV)

35

MAT 5152

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

51-Sb-130



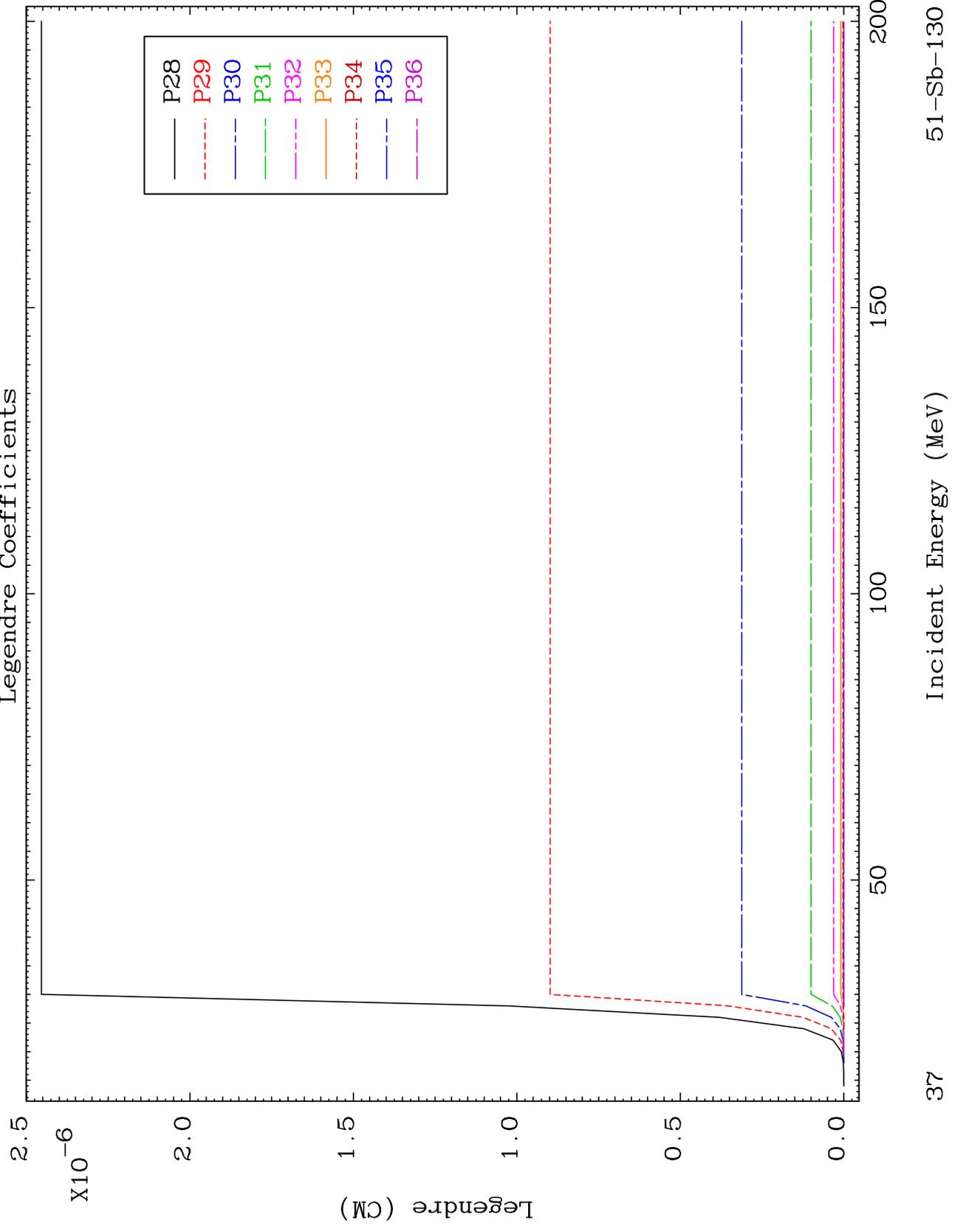
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51-Sb-130

MAT 5152

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

51-Sb-130

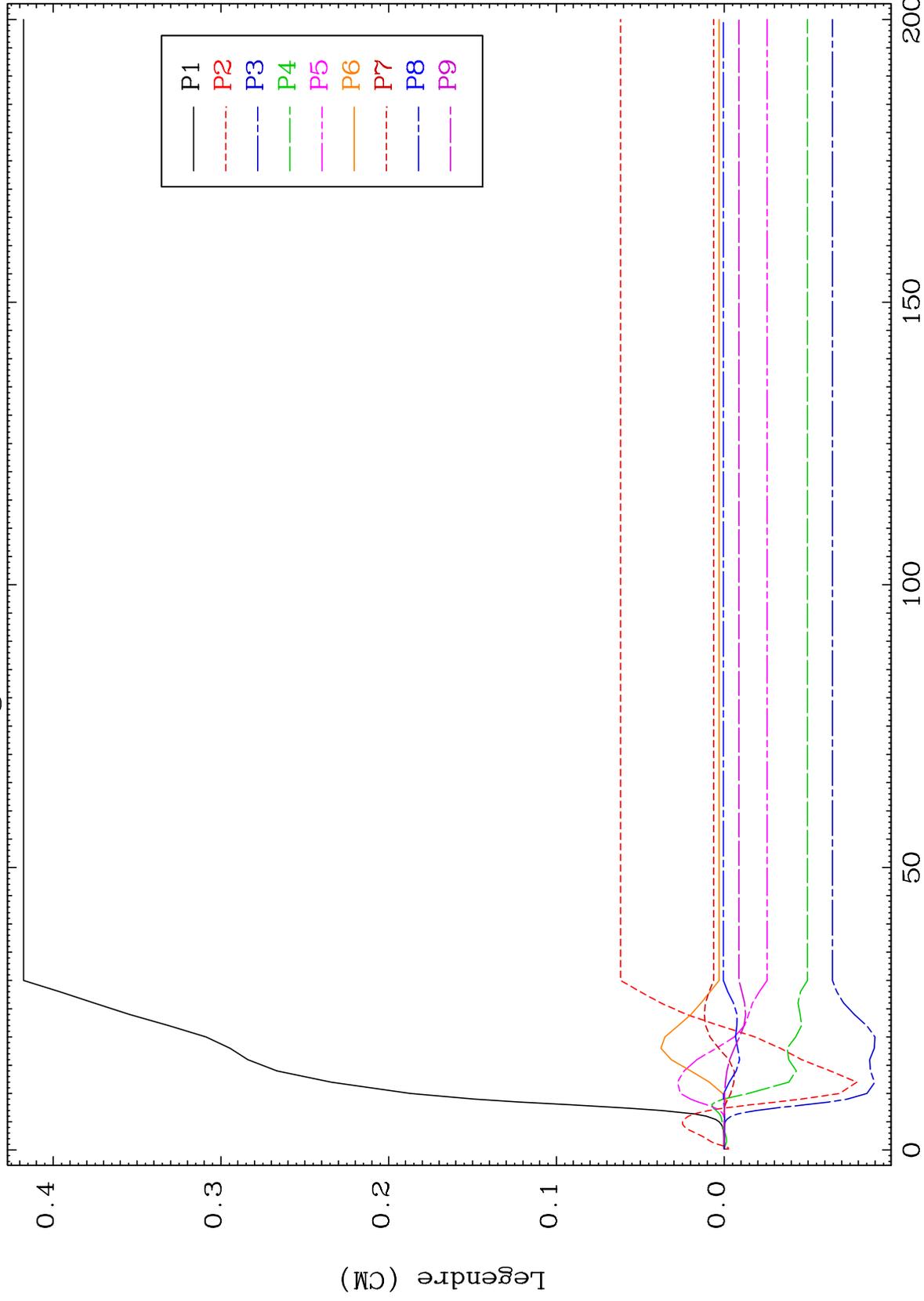


37

MAT 5152

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

51-Sb-130



51-Sb-130

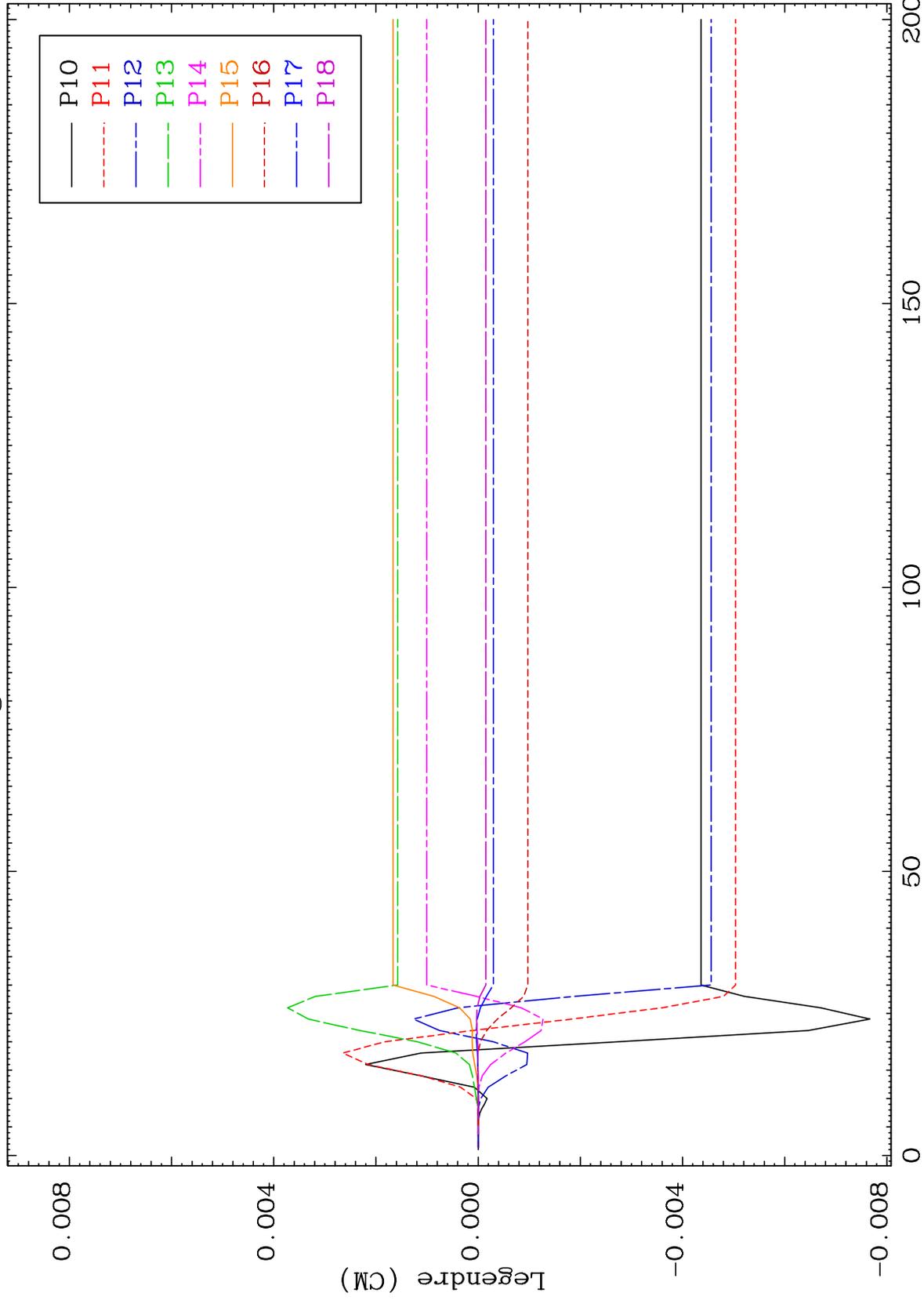
Incident Energy (MeV)

38

MAT 5152

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

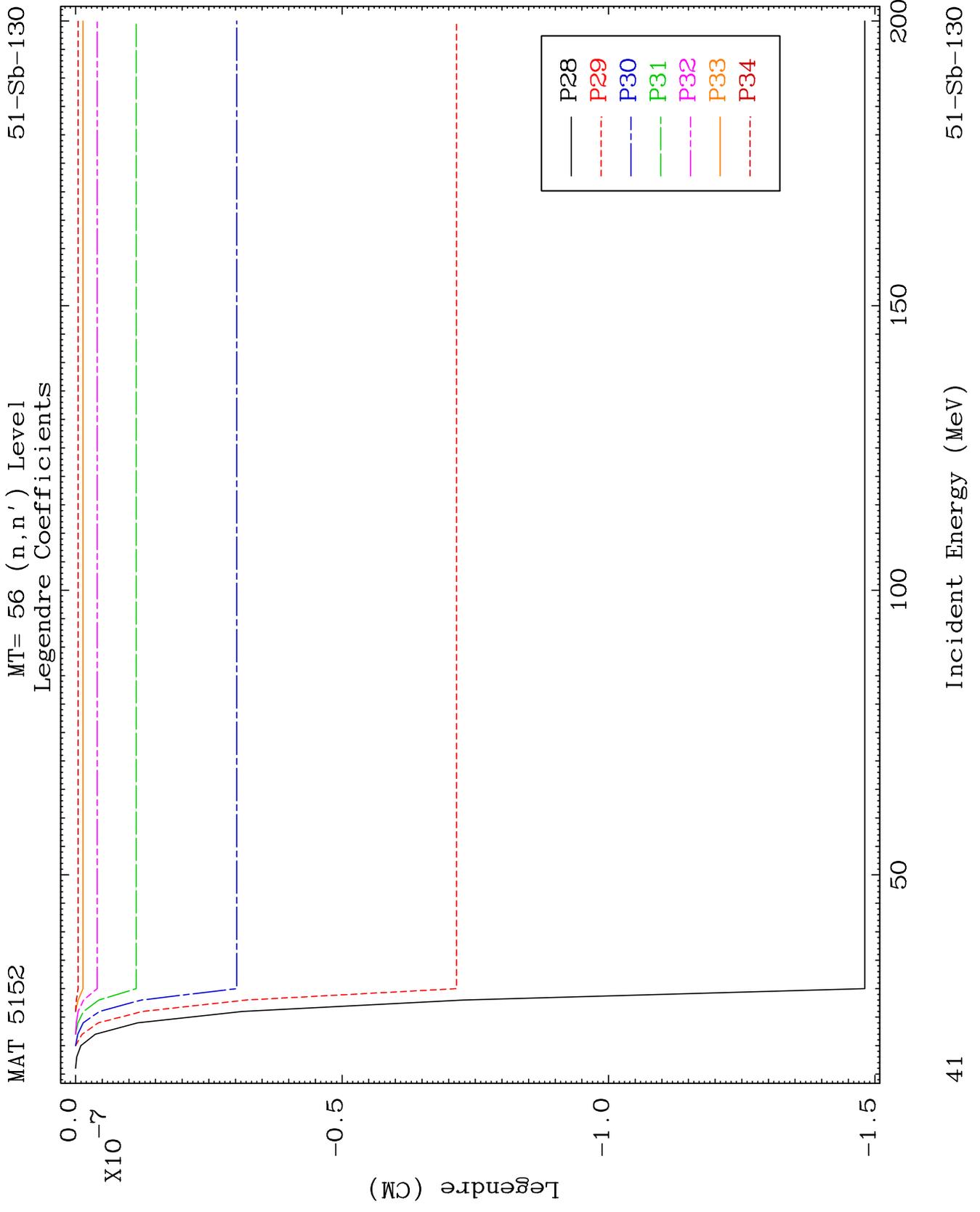
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39

Incident Energy (MeV)

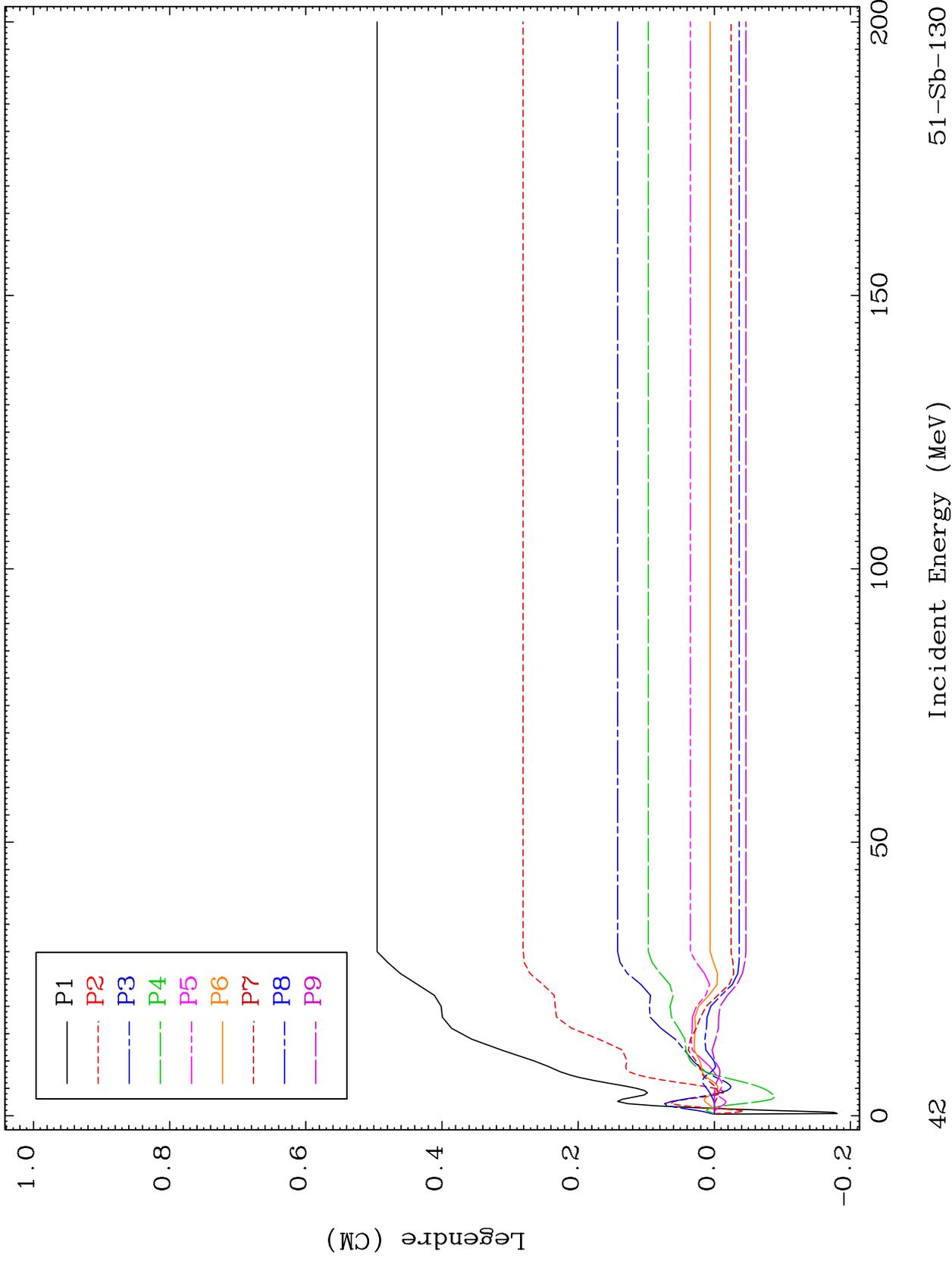
51-Sb-130



MAT 5152

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

51-Sb-130



51-Sb-130

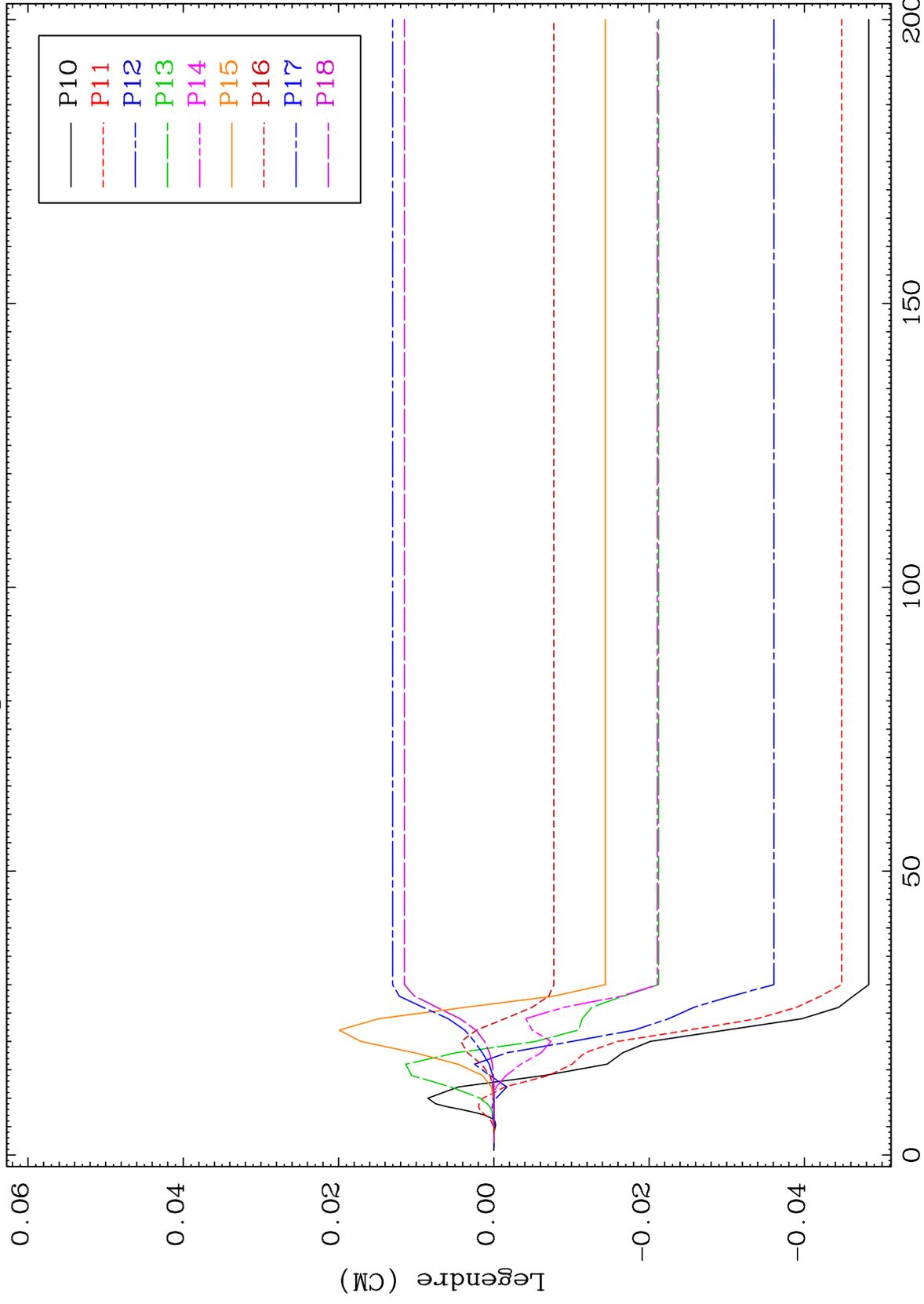
Incident Energy (MeV)

42

MAT 5152

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

51-Sb-130



43

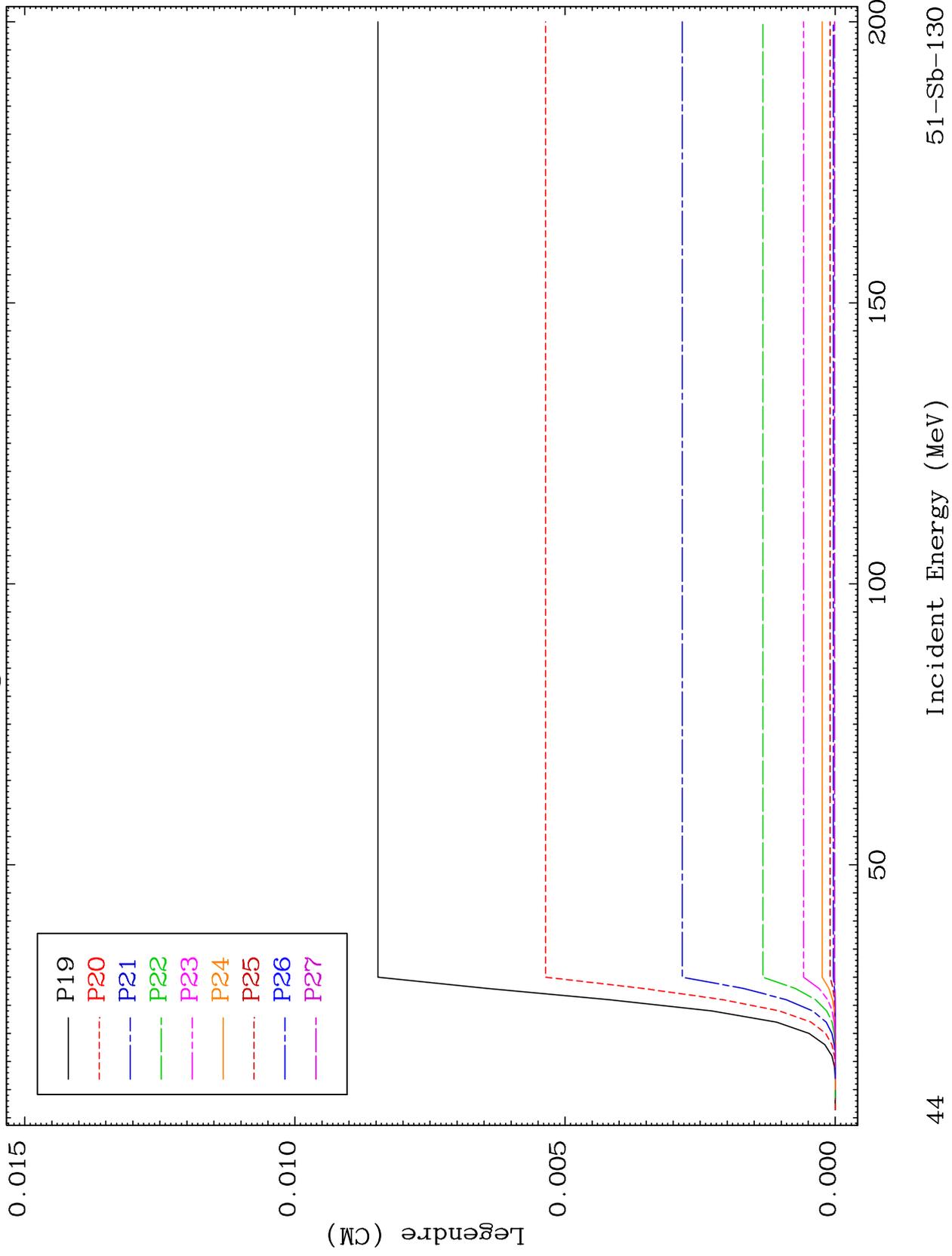
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



44

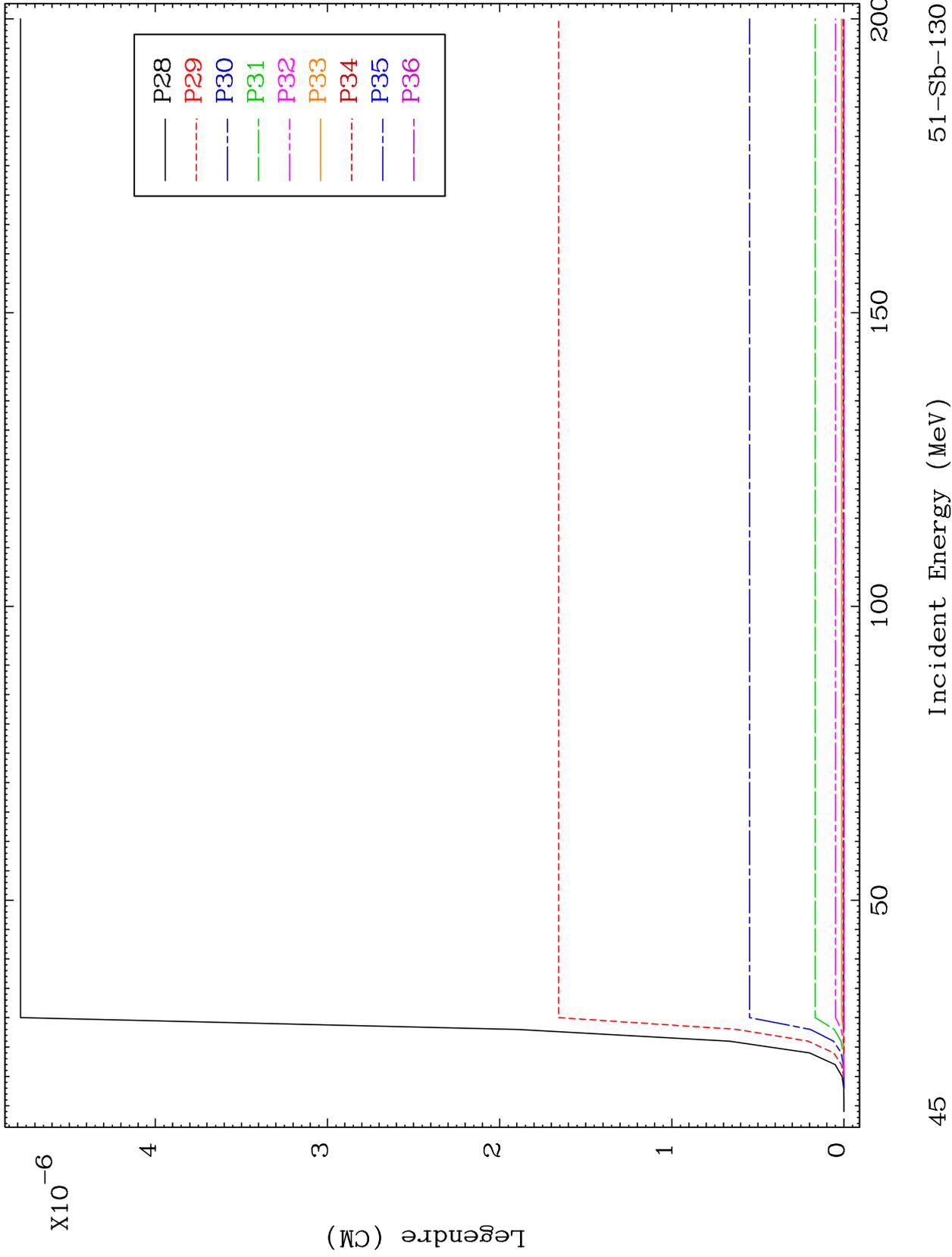
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

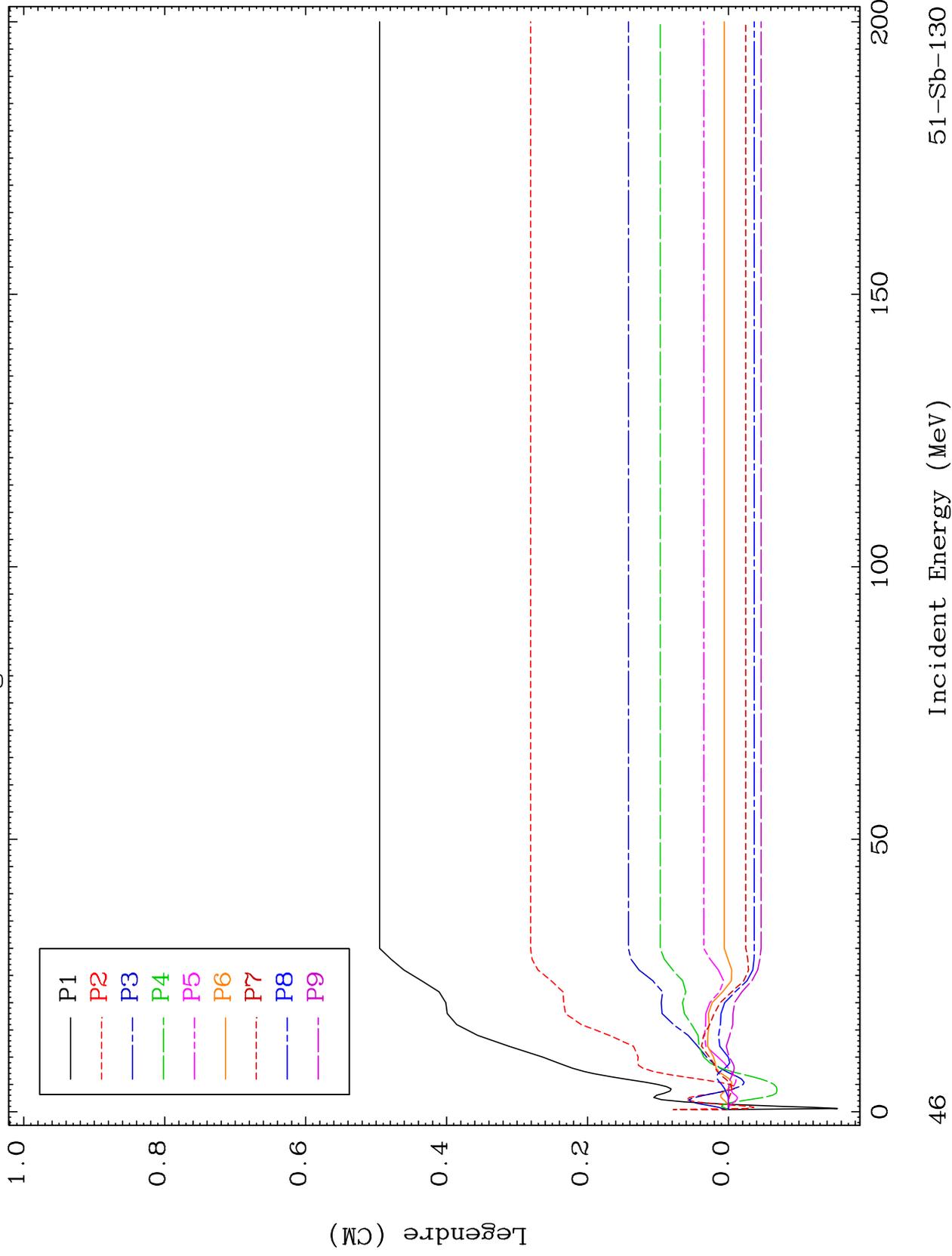
51-Sb-130



MAT 5152

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

51-Sb-130



46

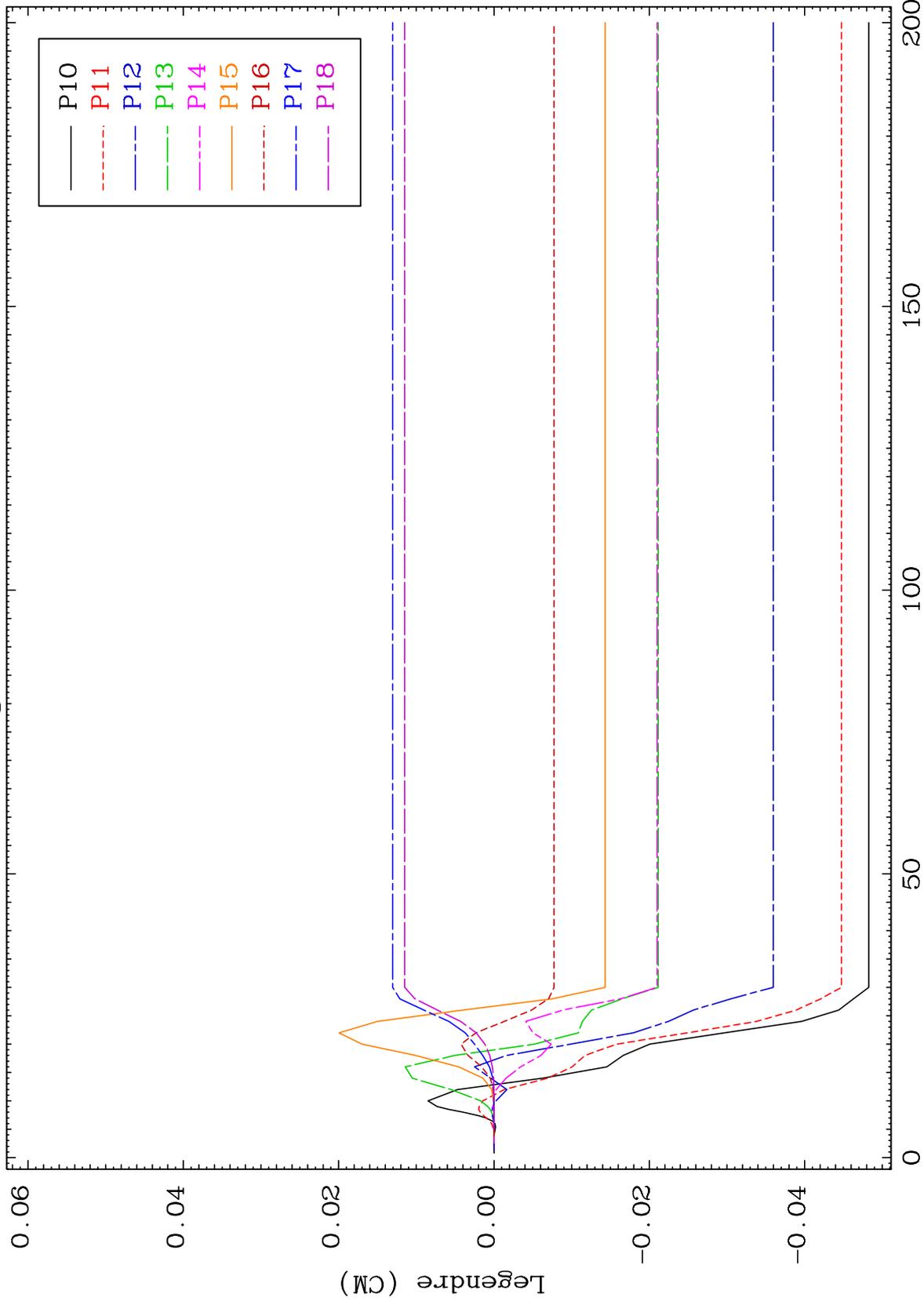
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



47

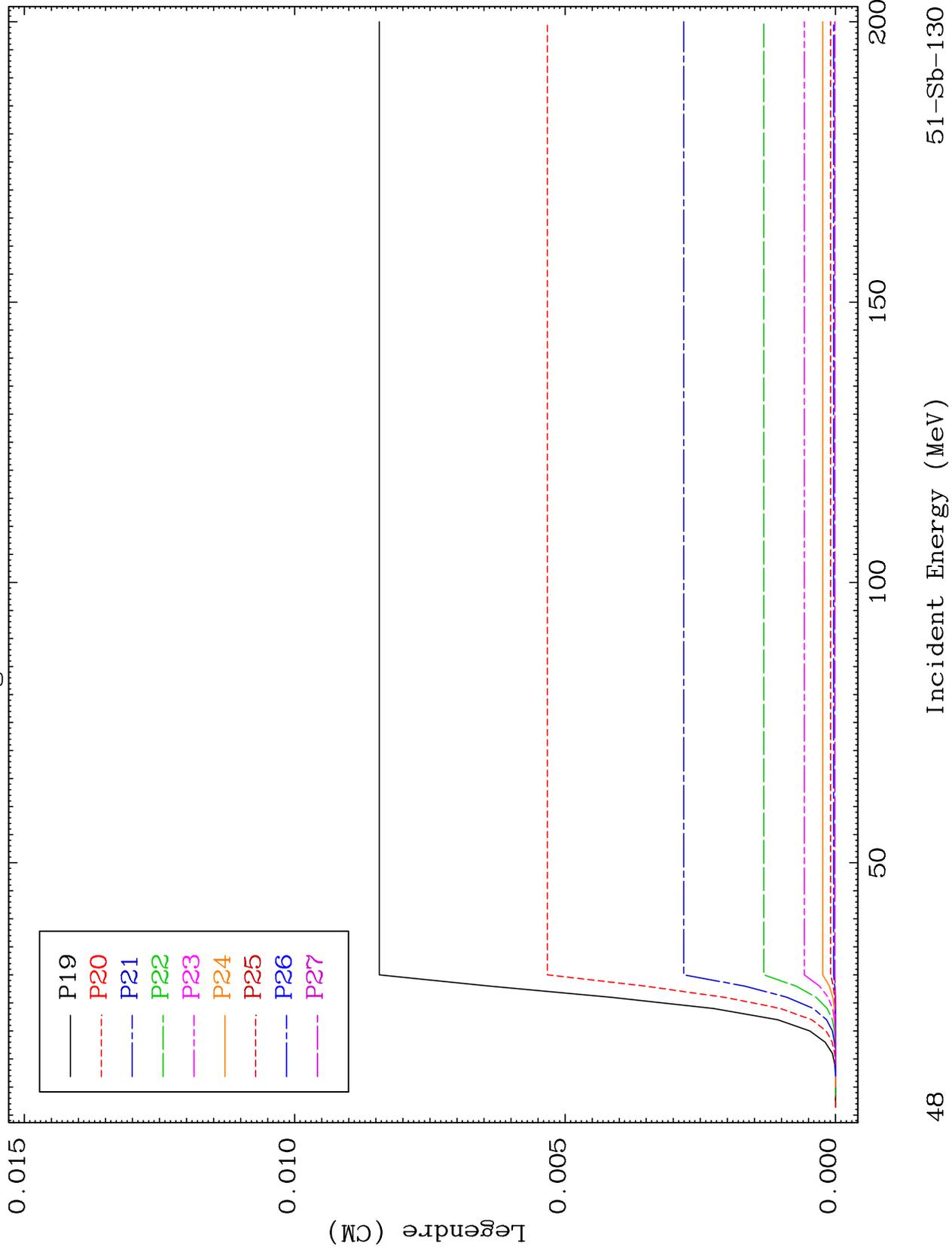
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



48

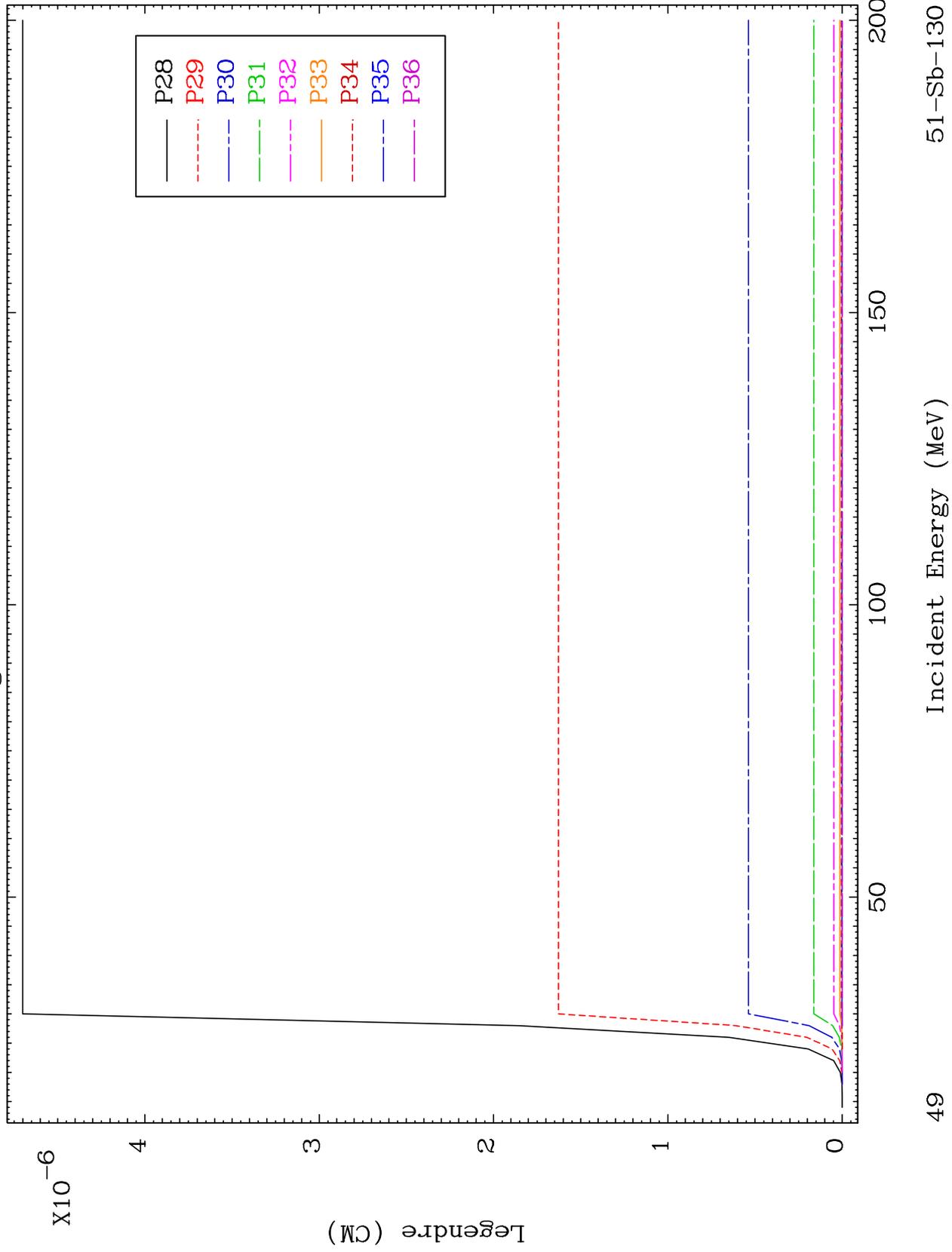
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



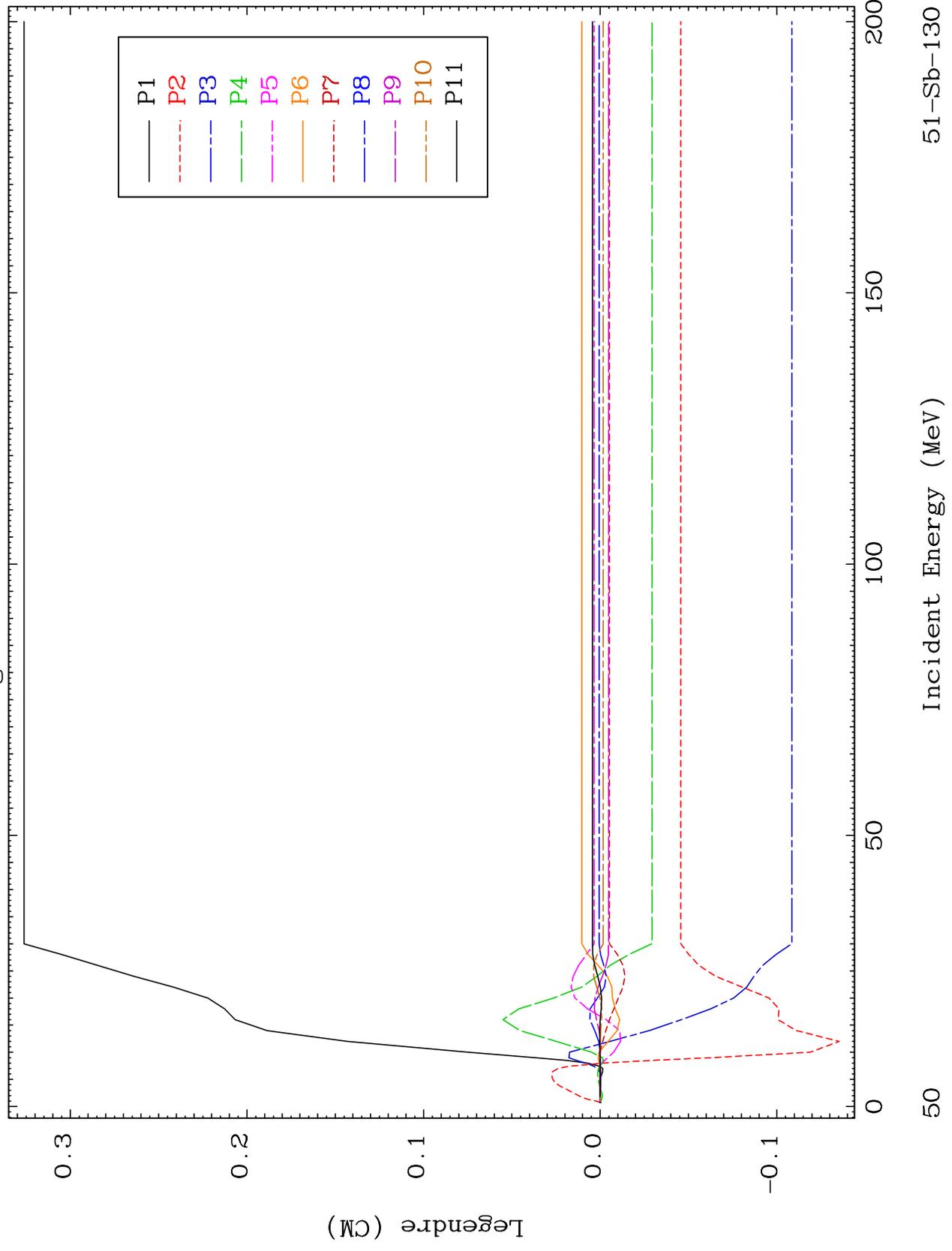
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51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

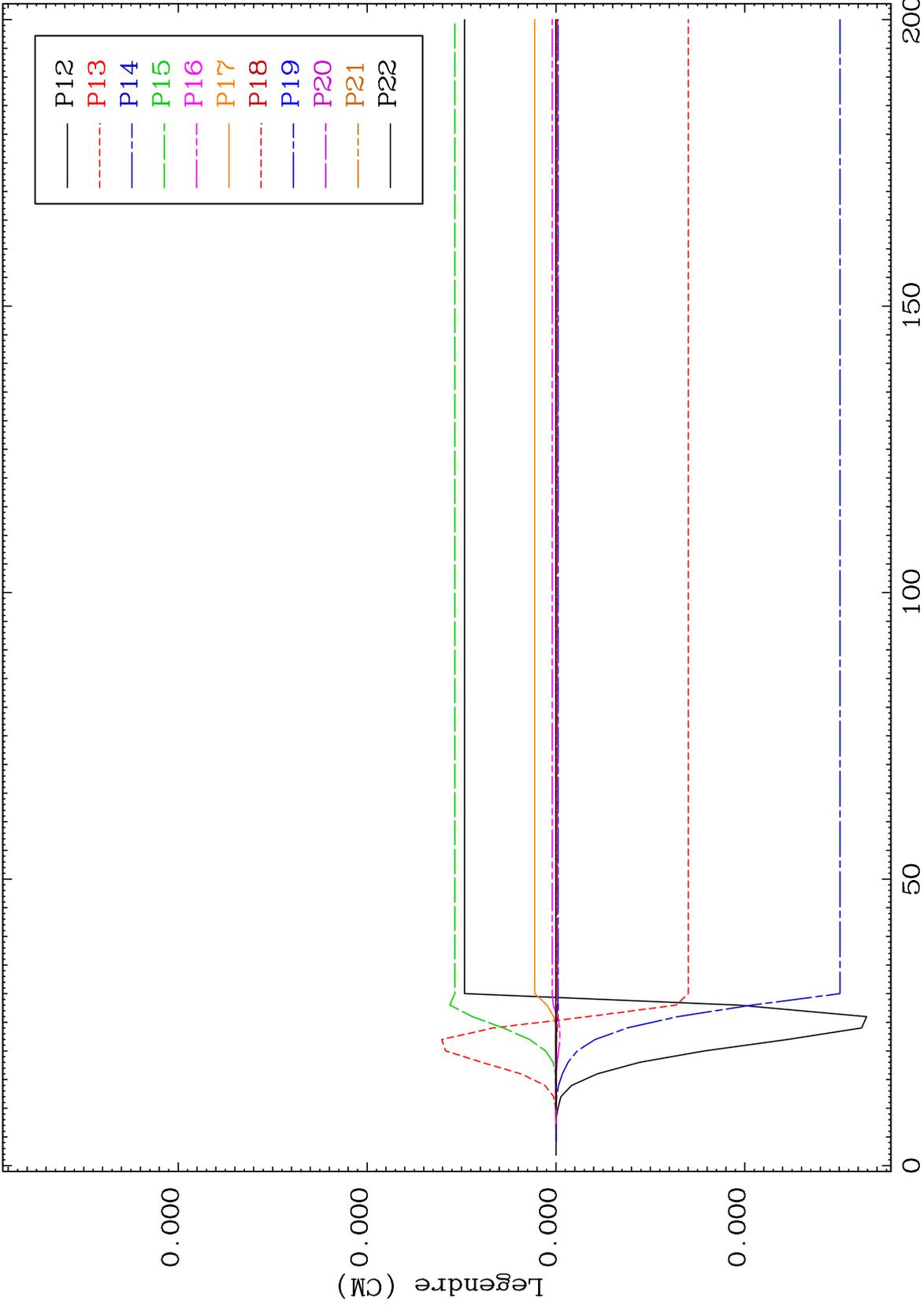
Incident Energy (MeV)

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MAT 5152

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

51-Sb-130



51

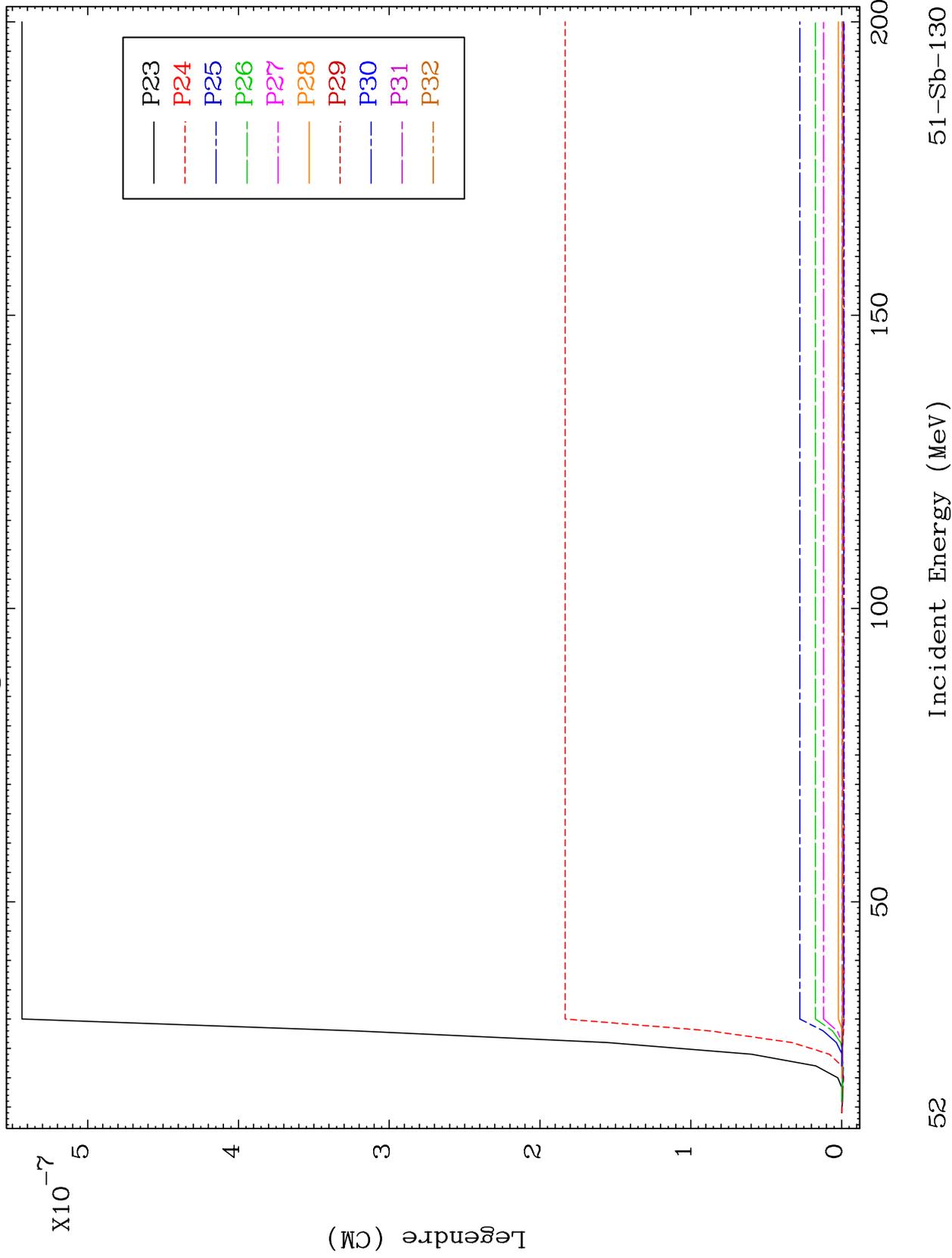
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



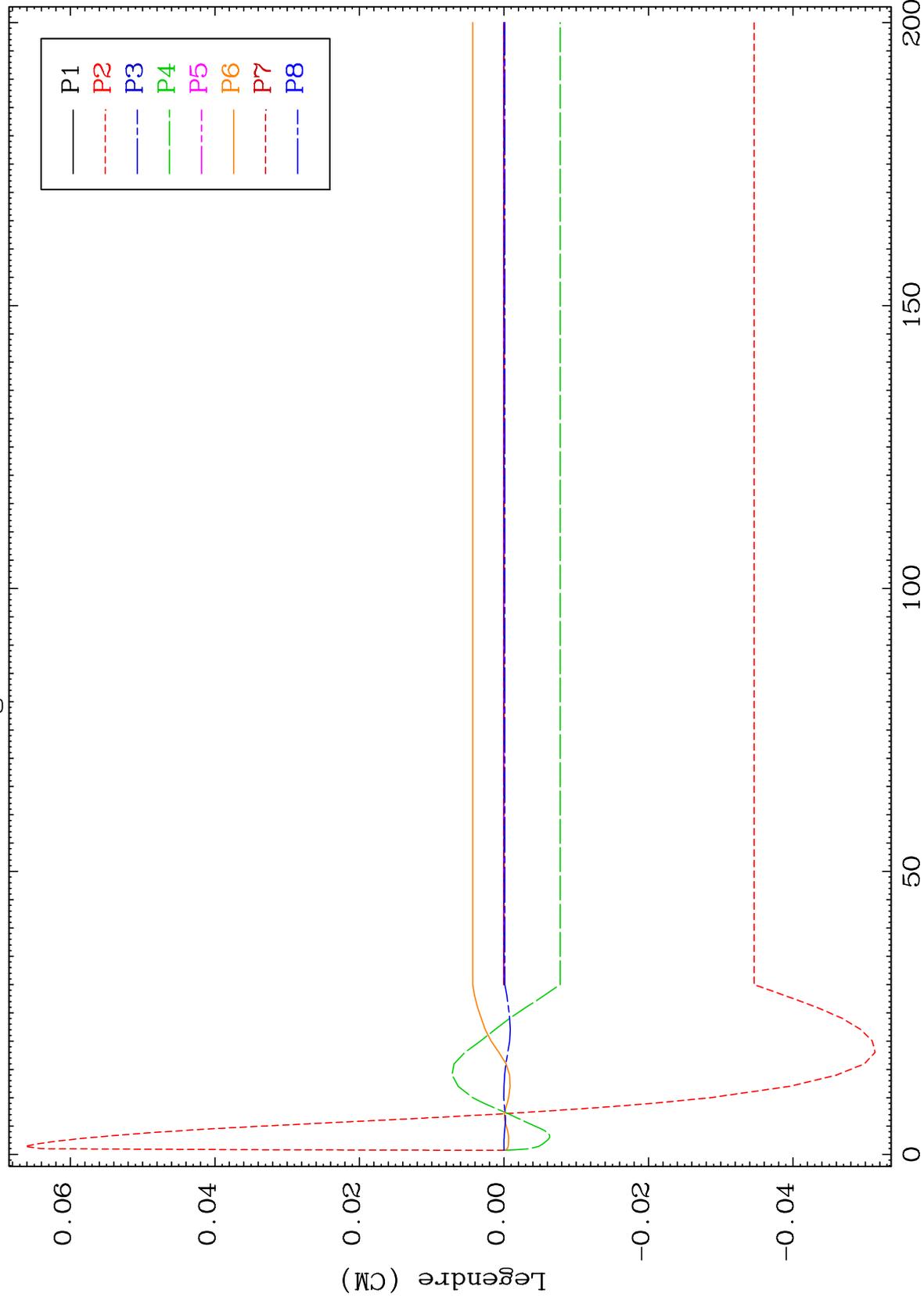
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51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

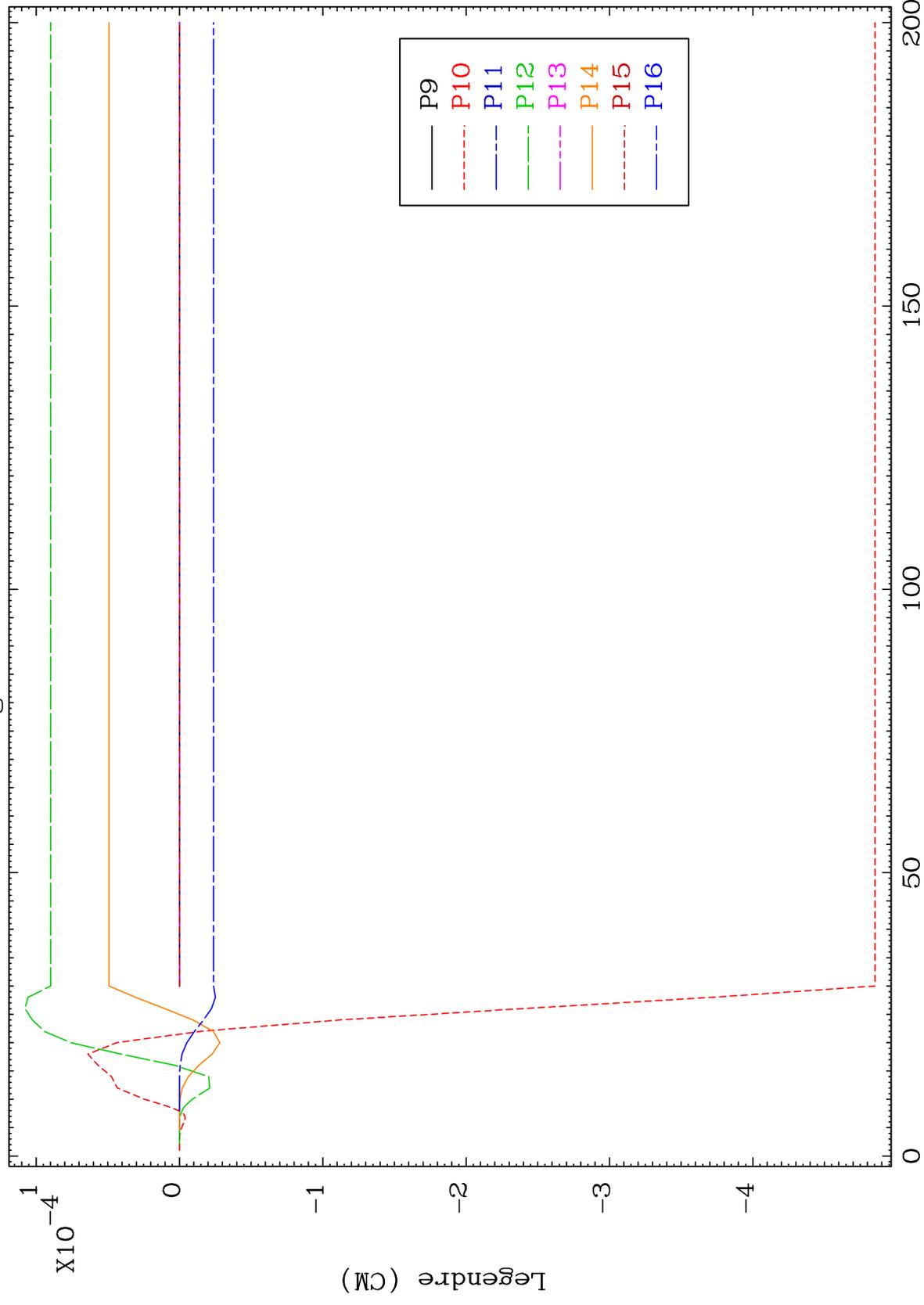
Incident Energy (MeV)

53

MAT 5152

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

51-Sb-130



51-Sb-130

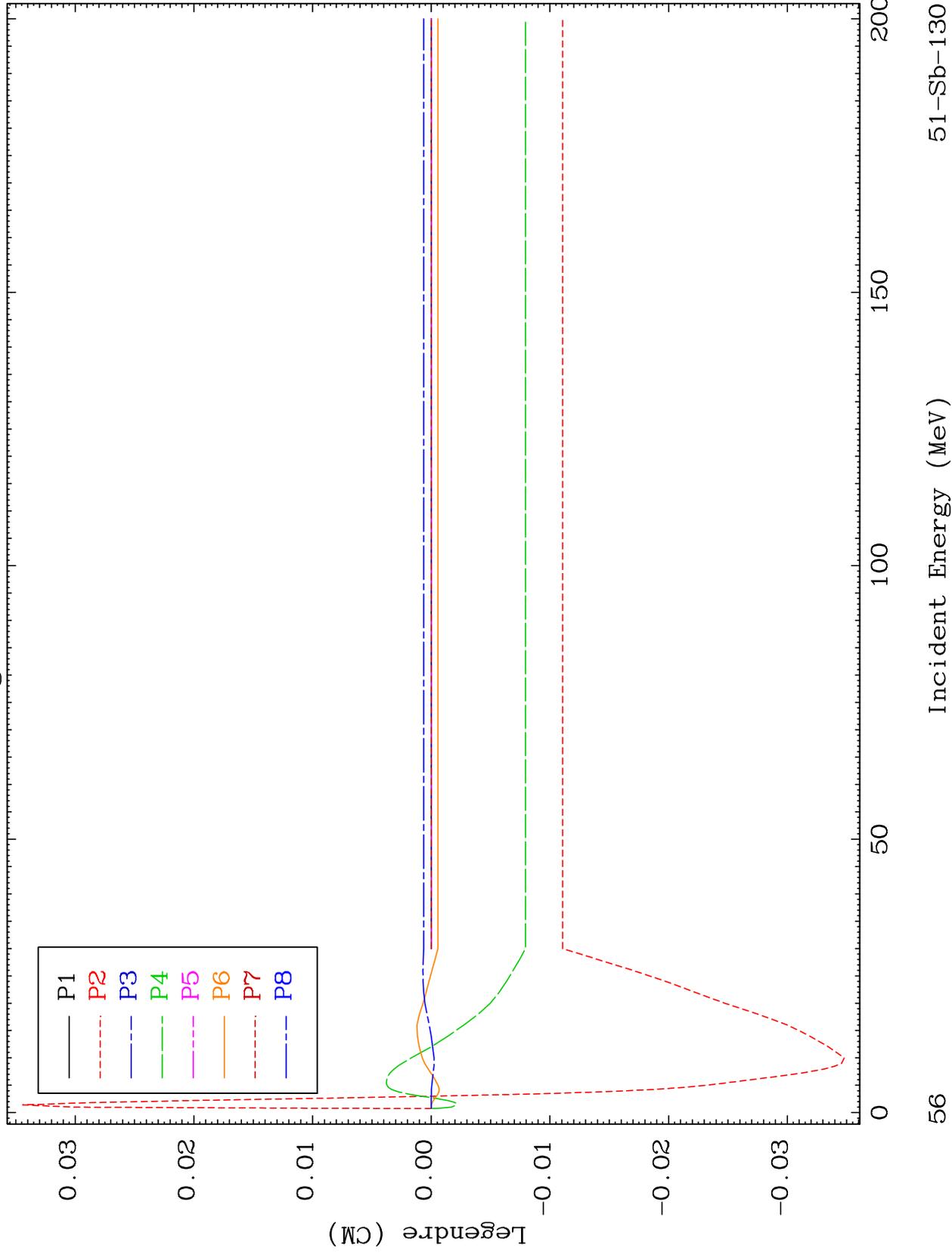
Incident Energy (MeV)

54

MAT 5152

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

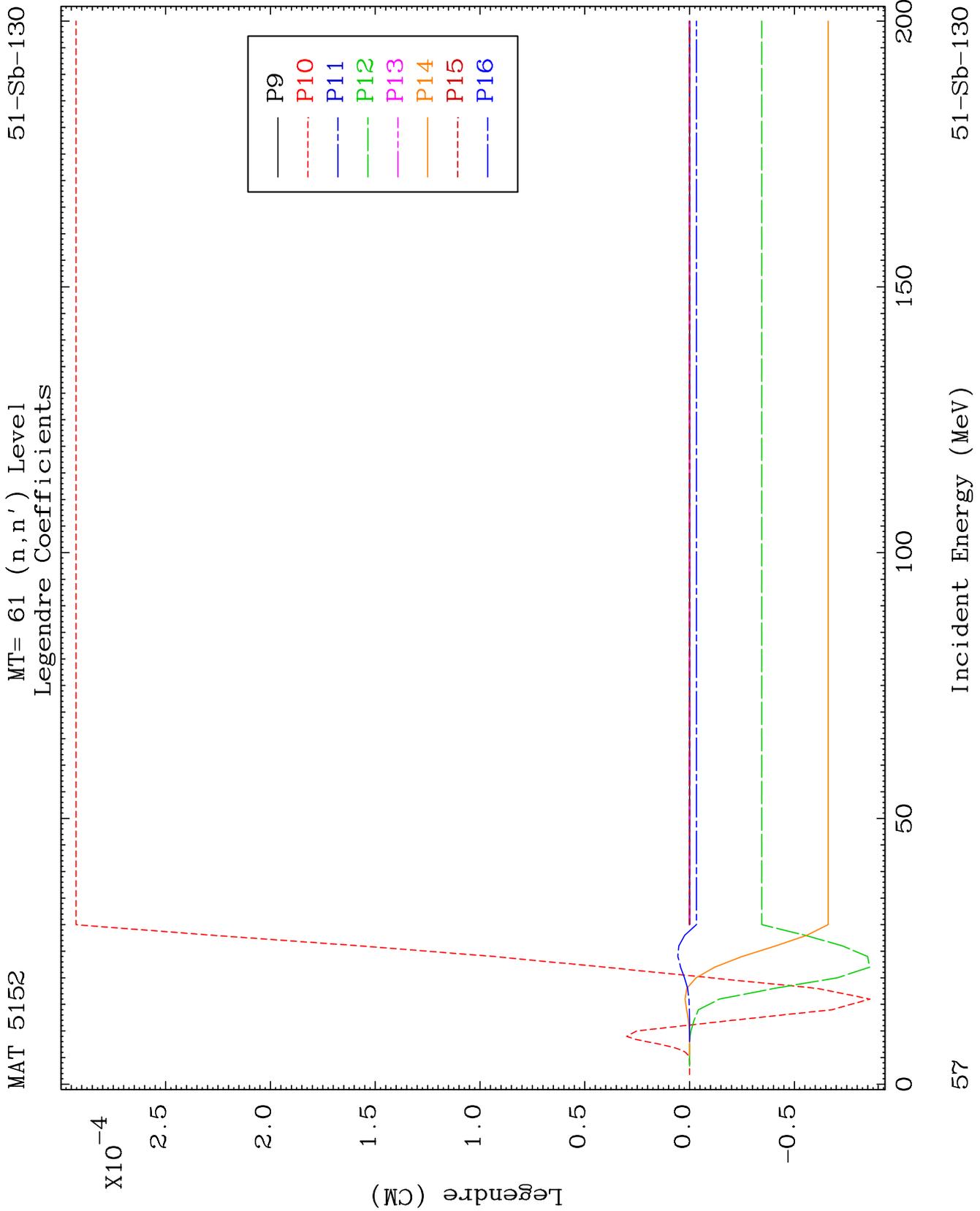
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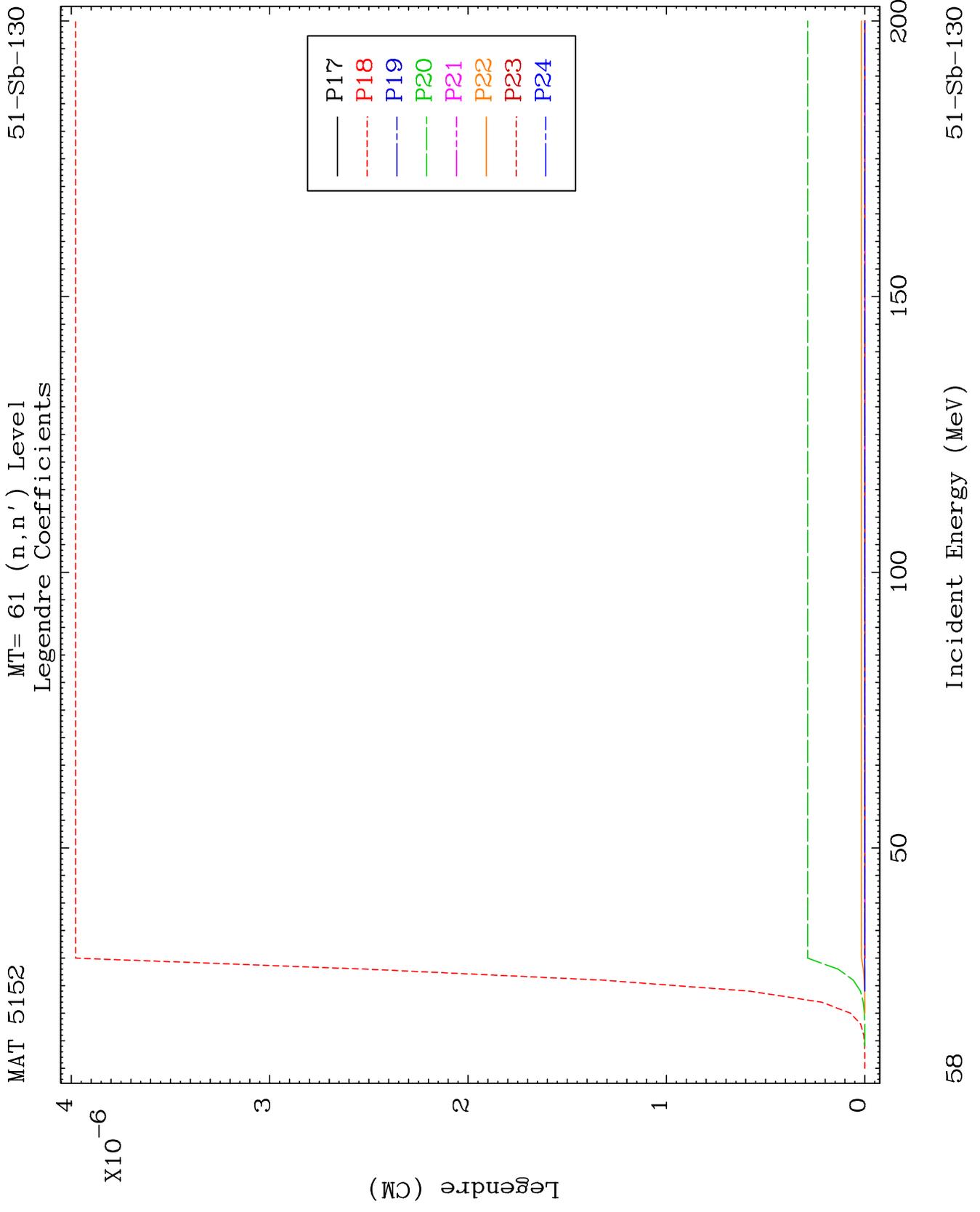


51-Sb-130

Incident Energy (MeV)

56

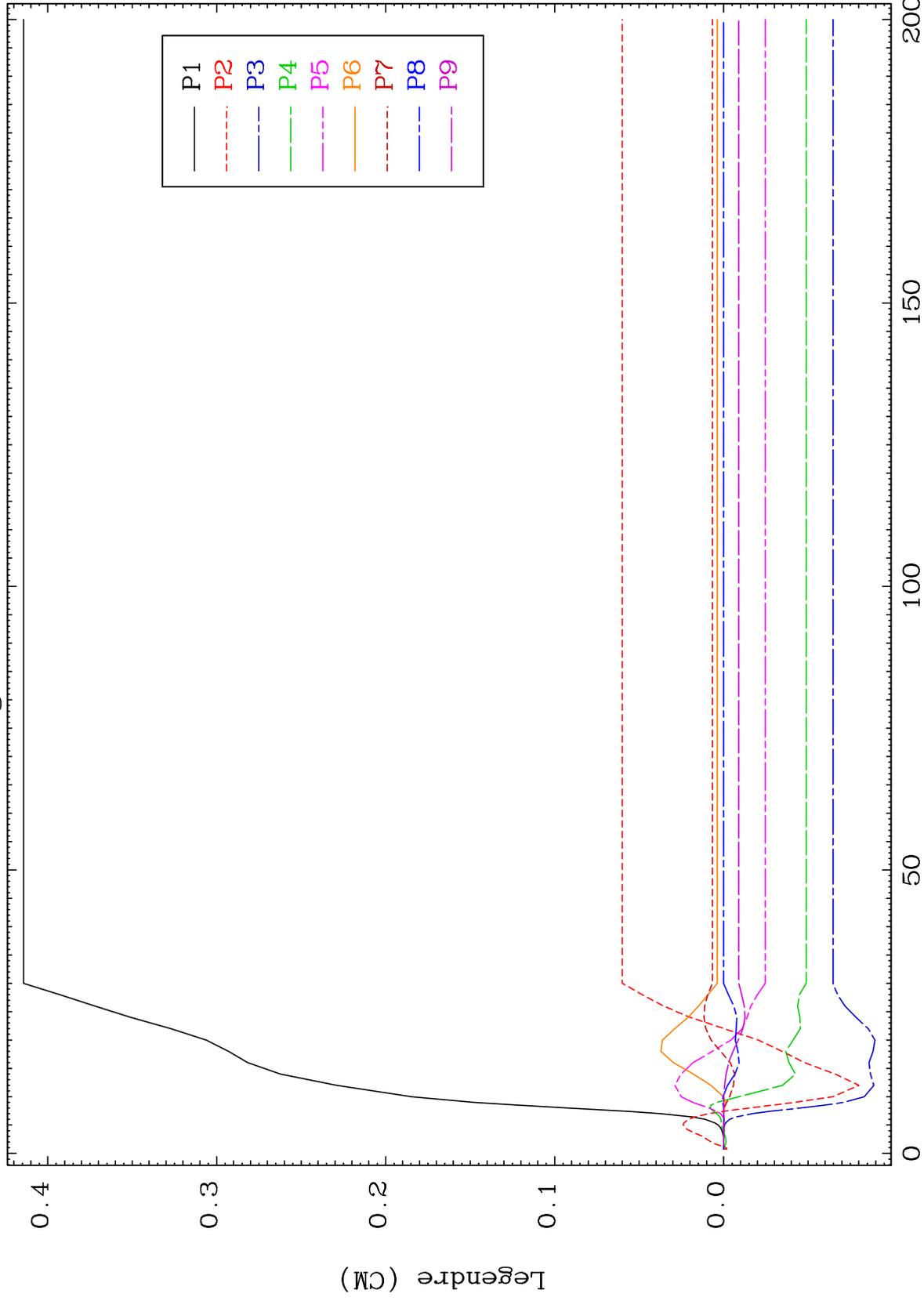




MAT 5152

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

51-Sb-130



59

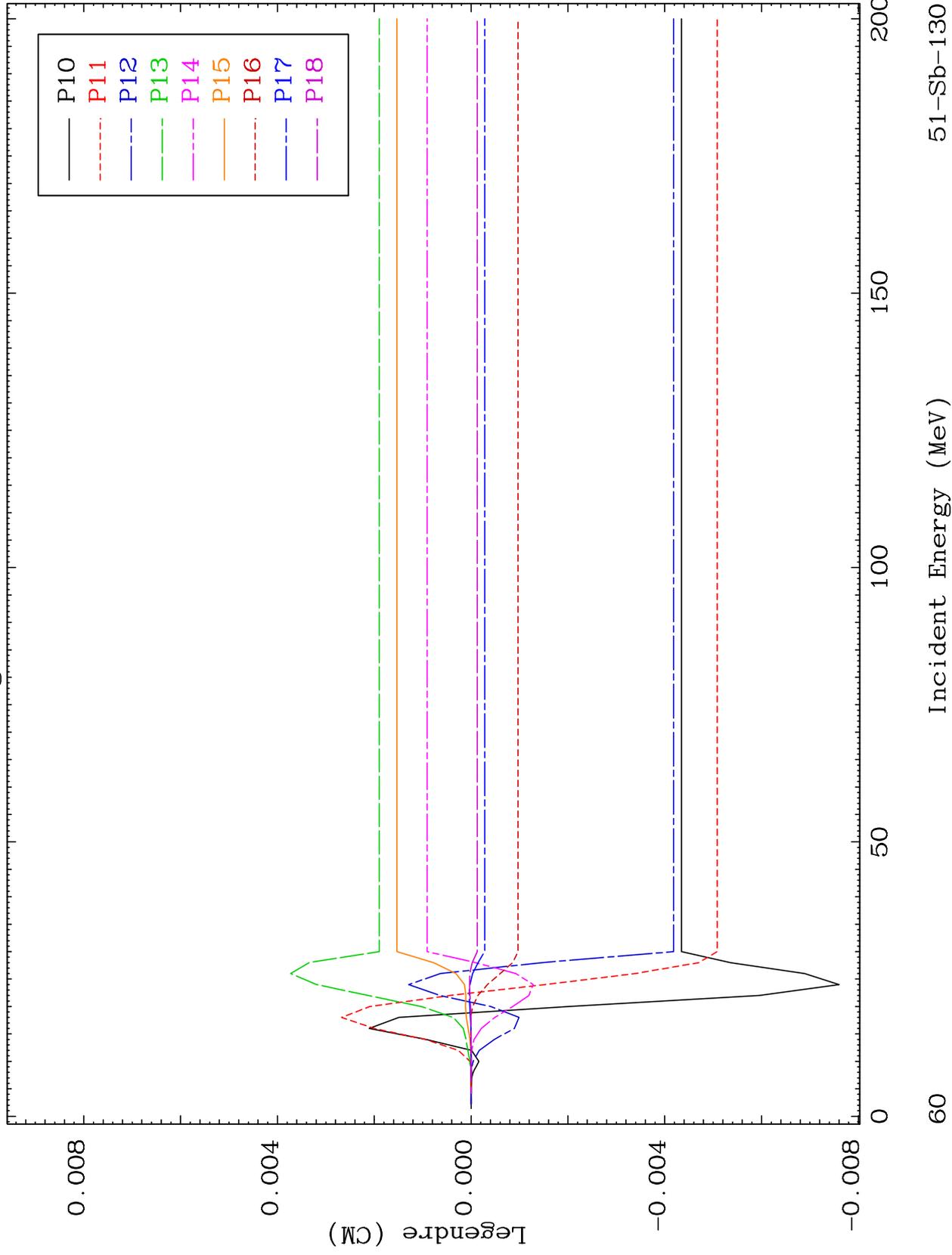
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

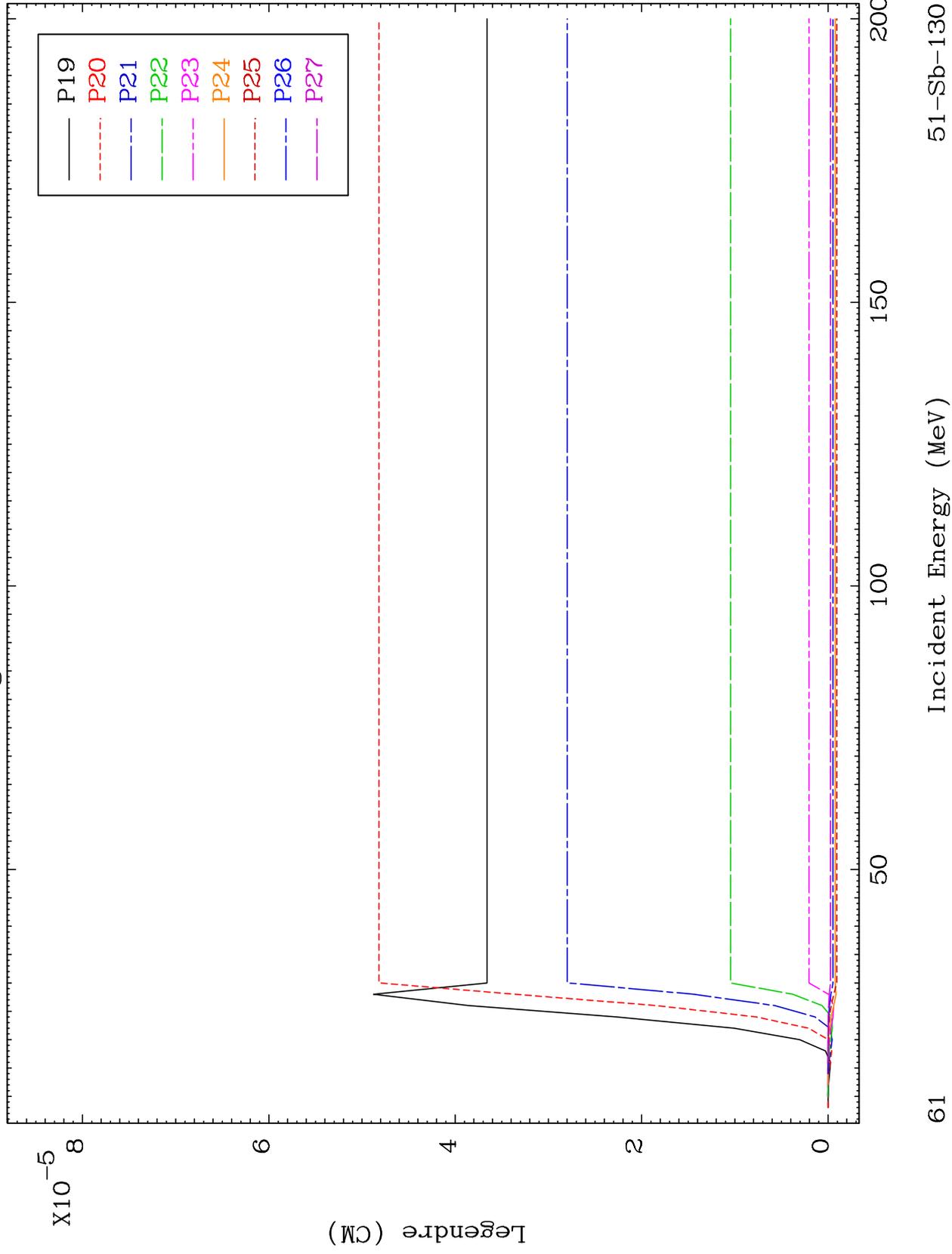
Incident Energy (MeV)

60

MAT 5152

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

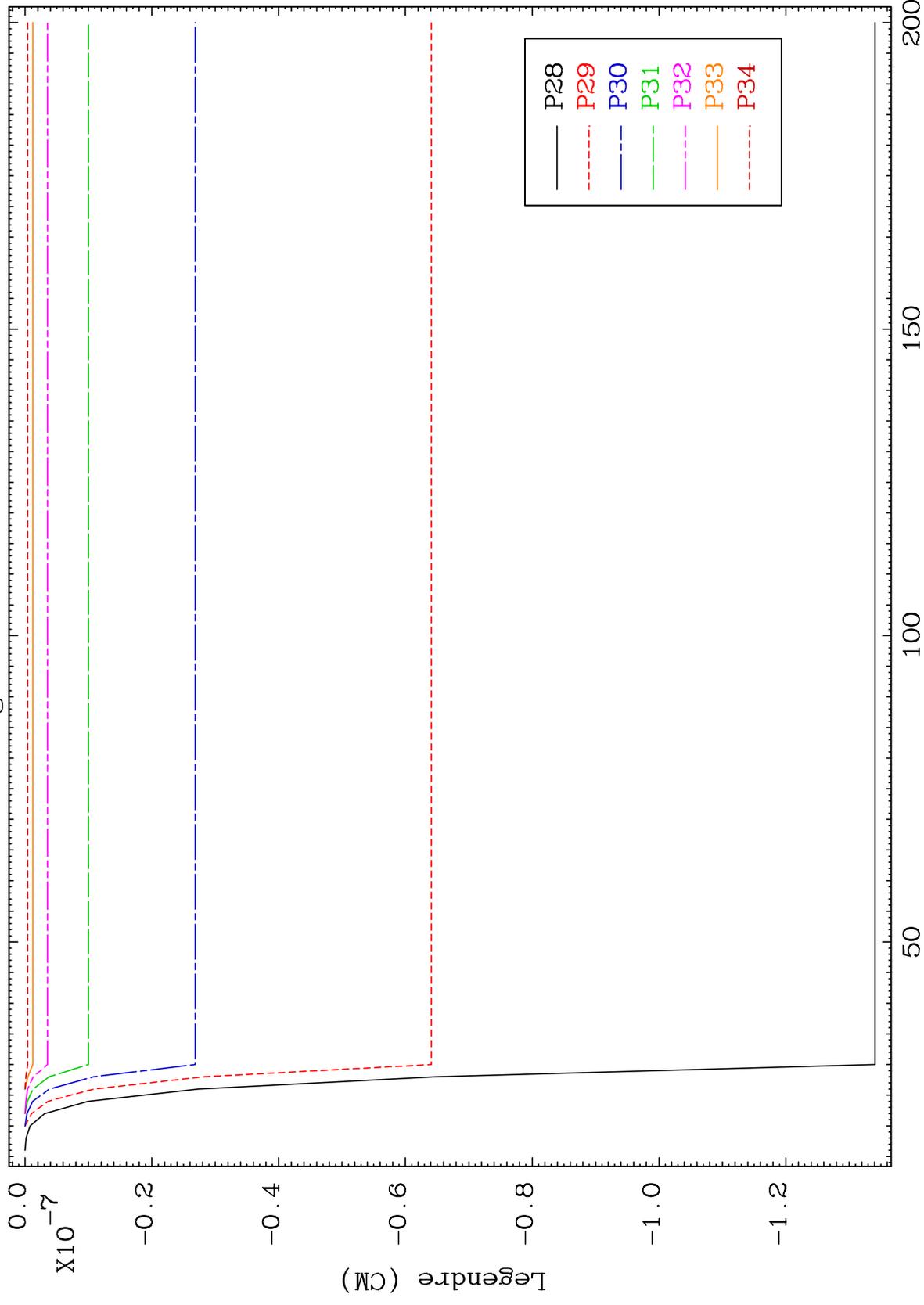
51-Sb-130



MAT 5152

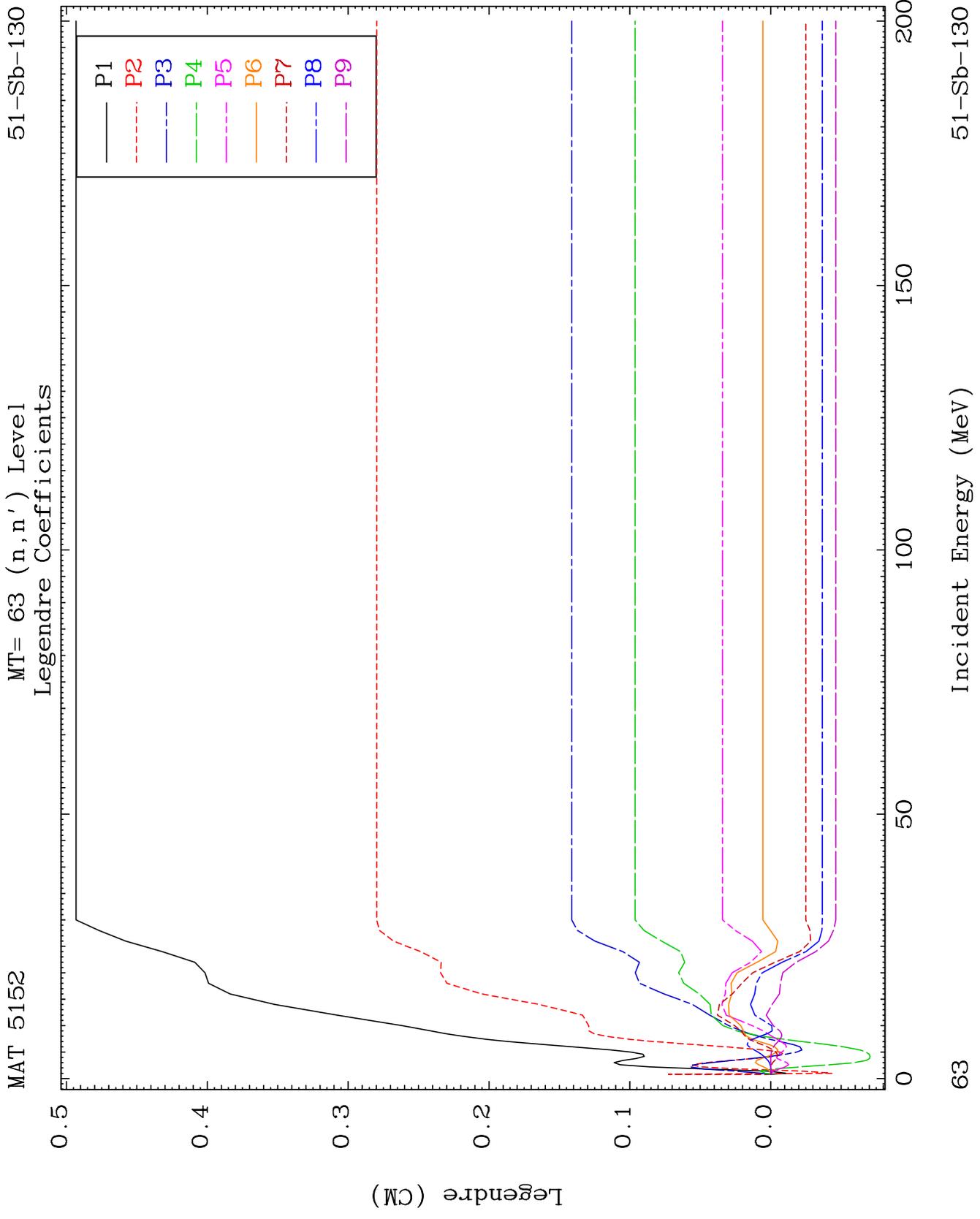
MT= 62 (n,n') Level
Legendre Coefficients

51-Sb-130



62

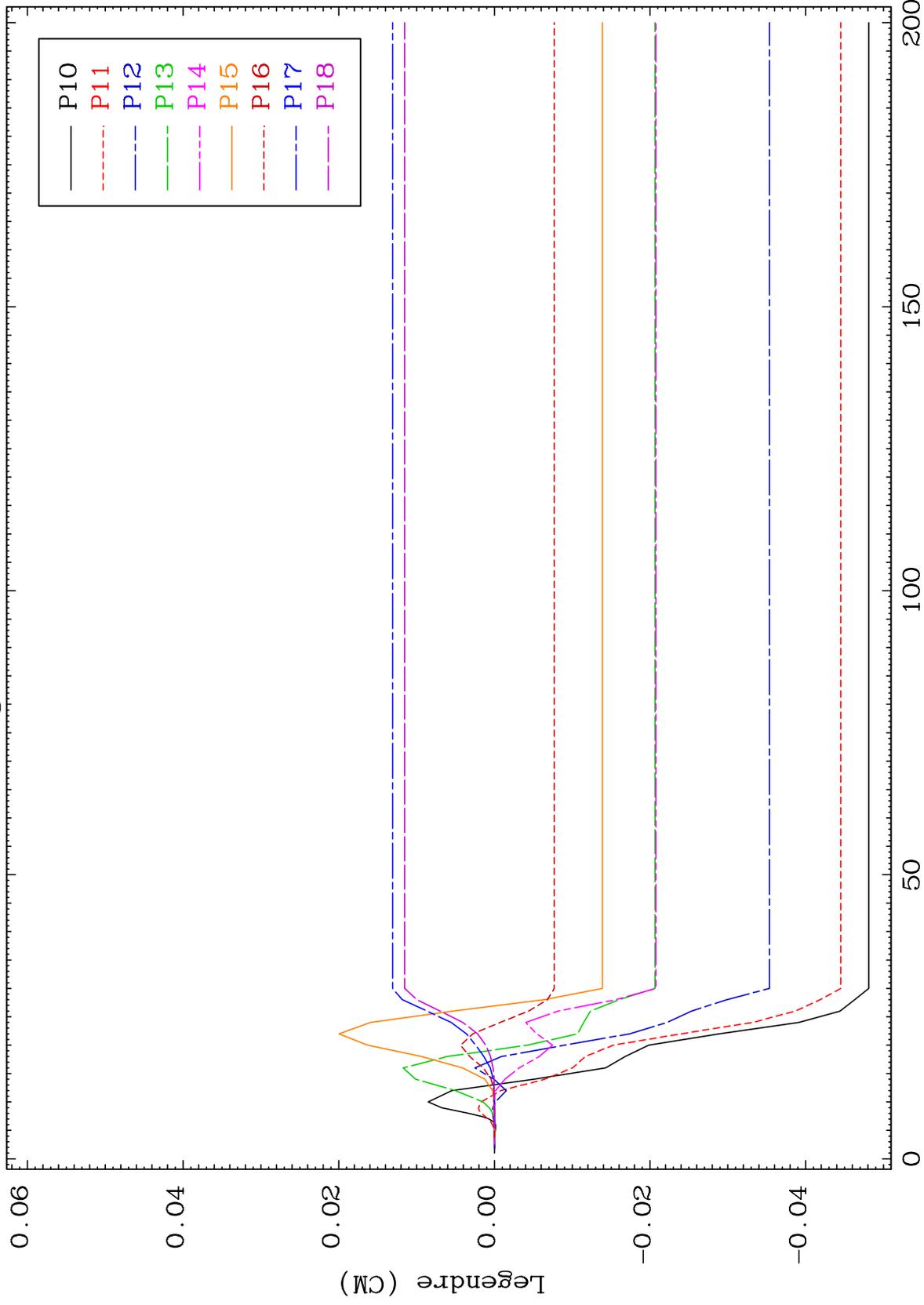
51-Sb-130



MAT 5152

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

51-Sb-130



64

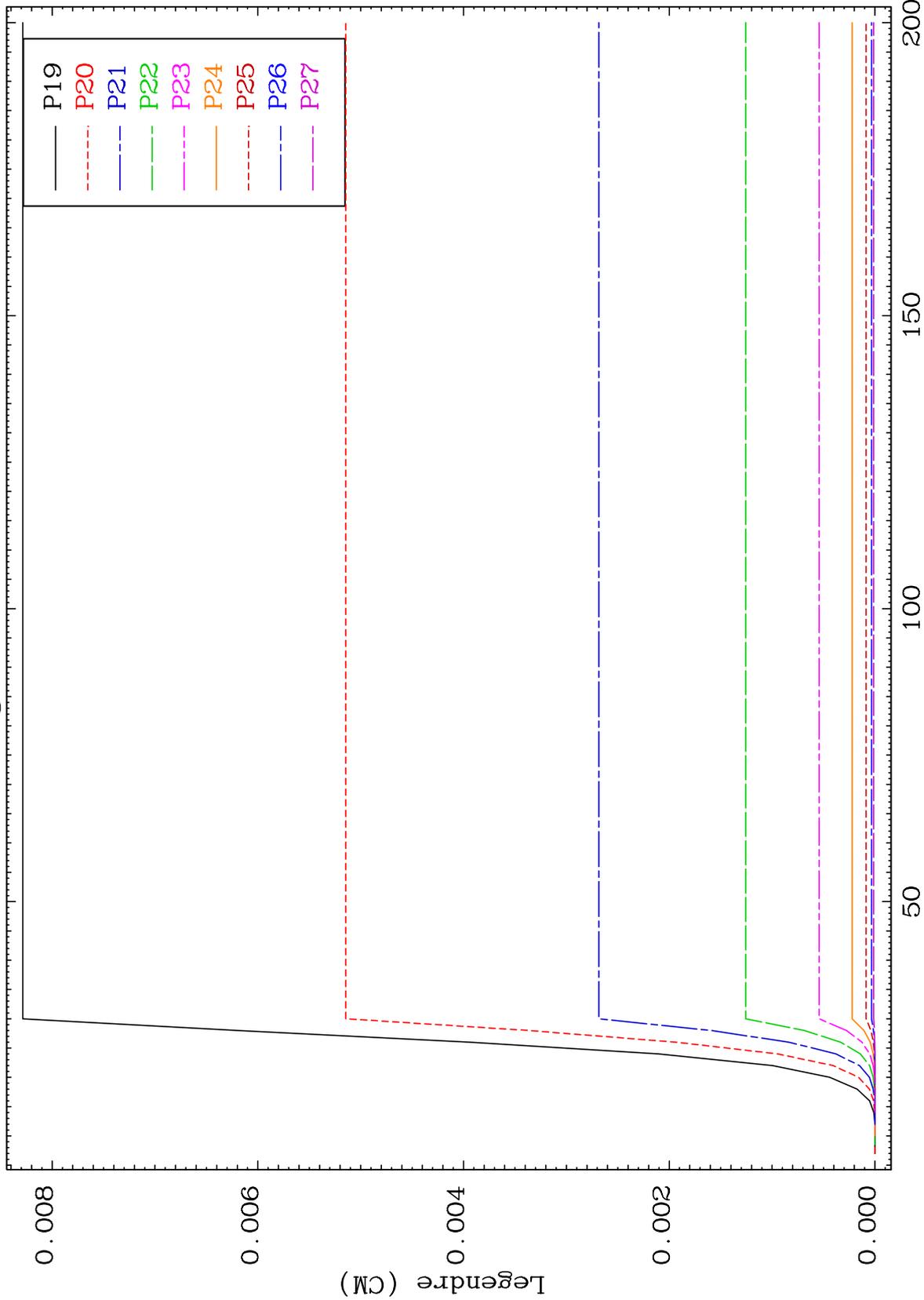
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



65

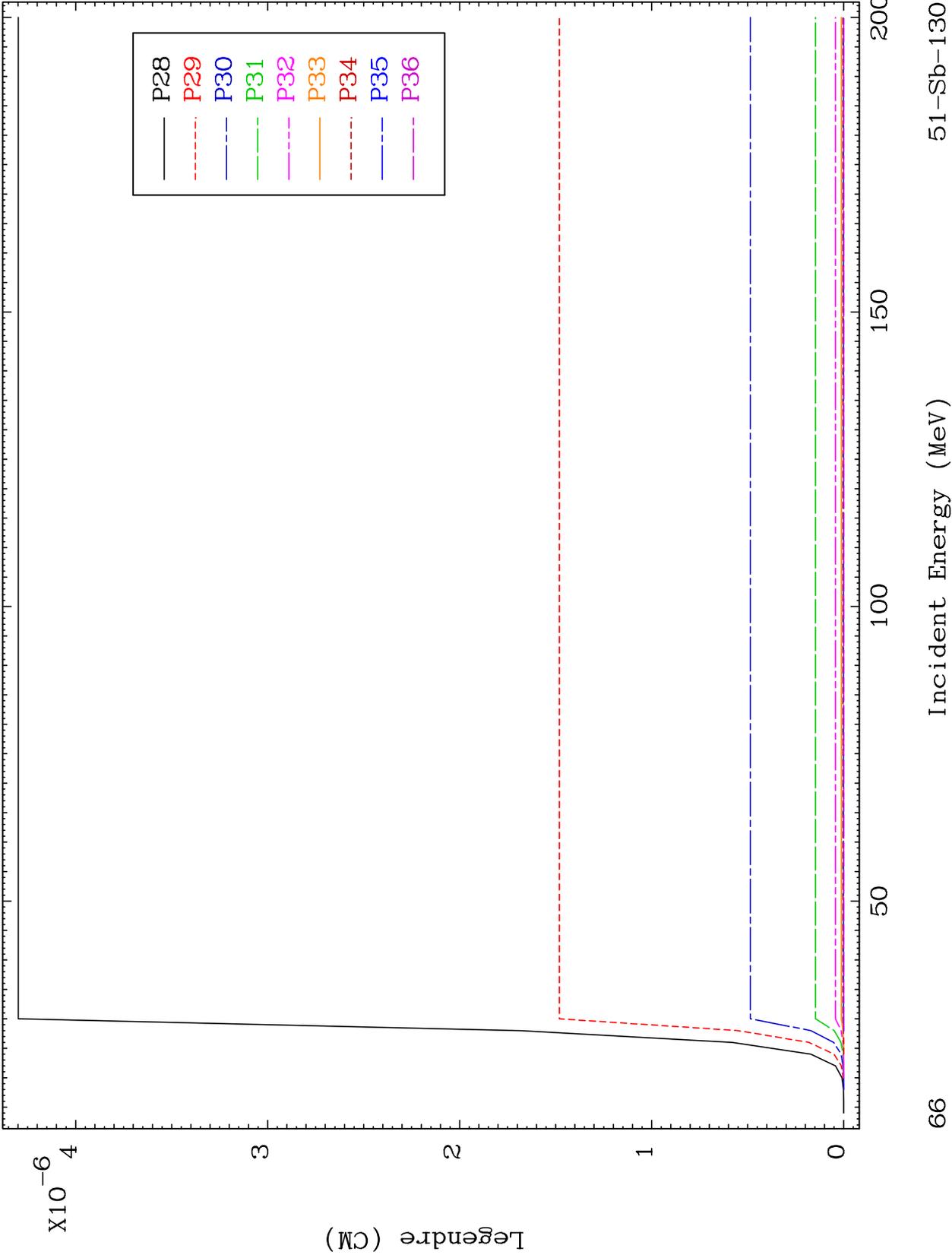
Incident Energy (MeV)

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MAT 5152

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

51-Sb-130



66

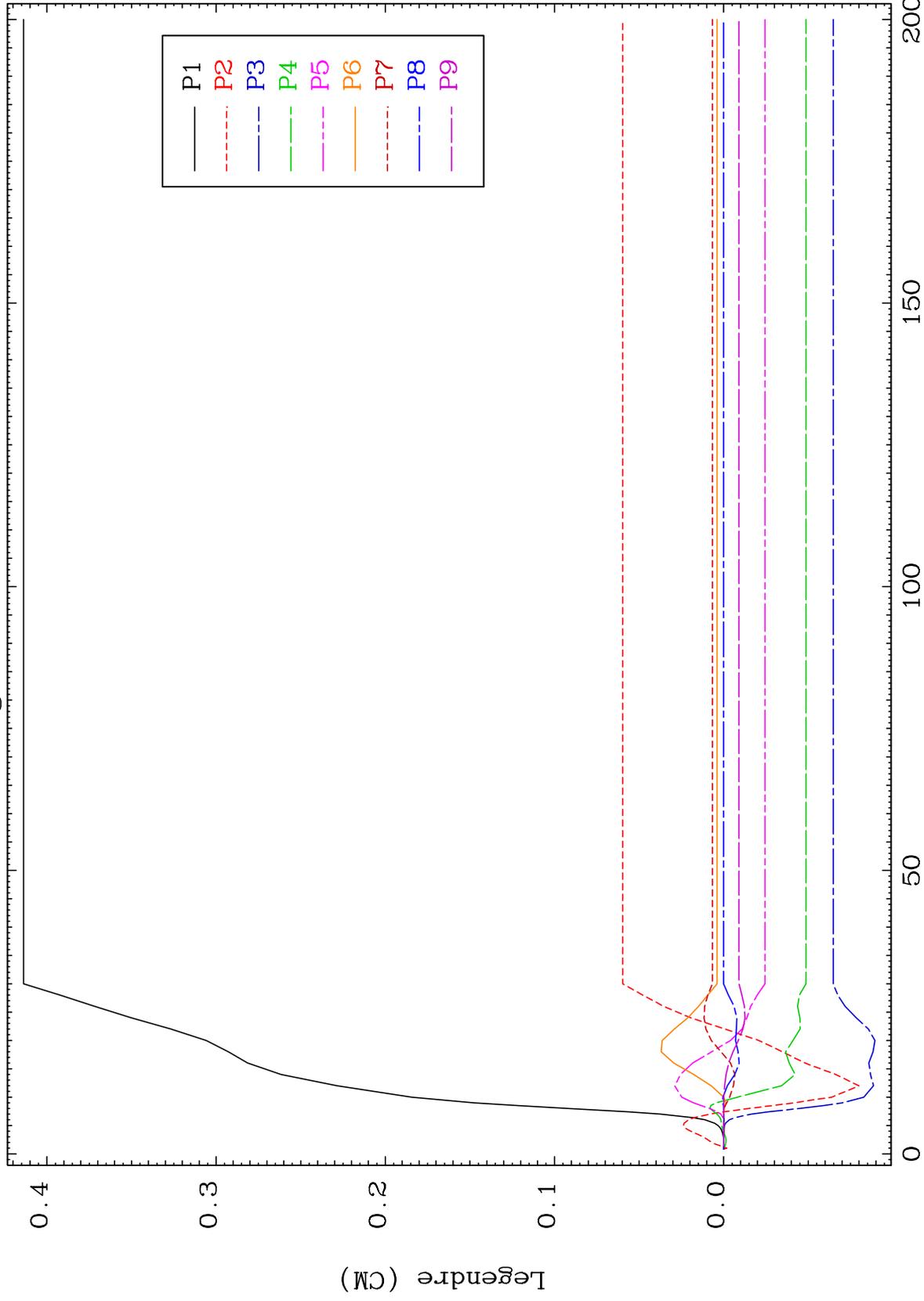
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



67

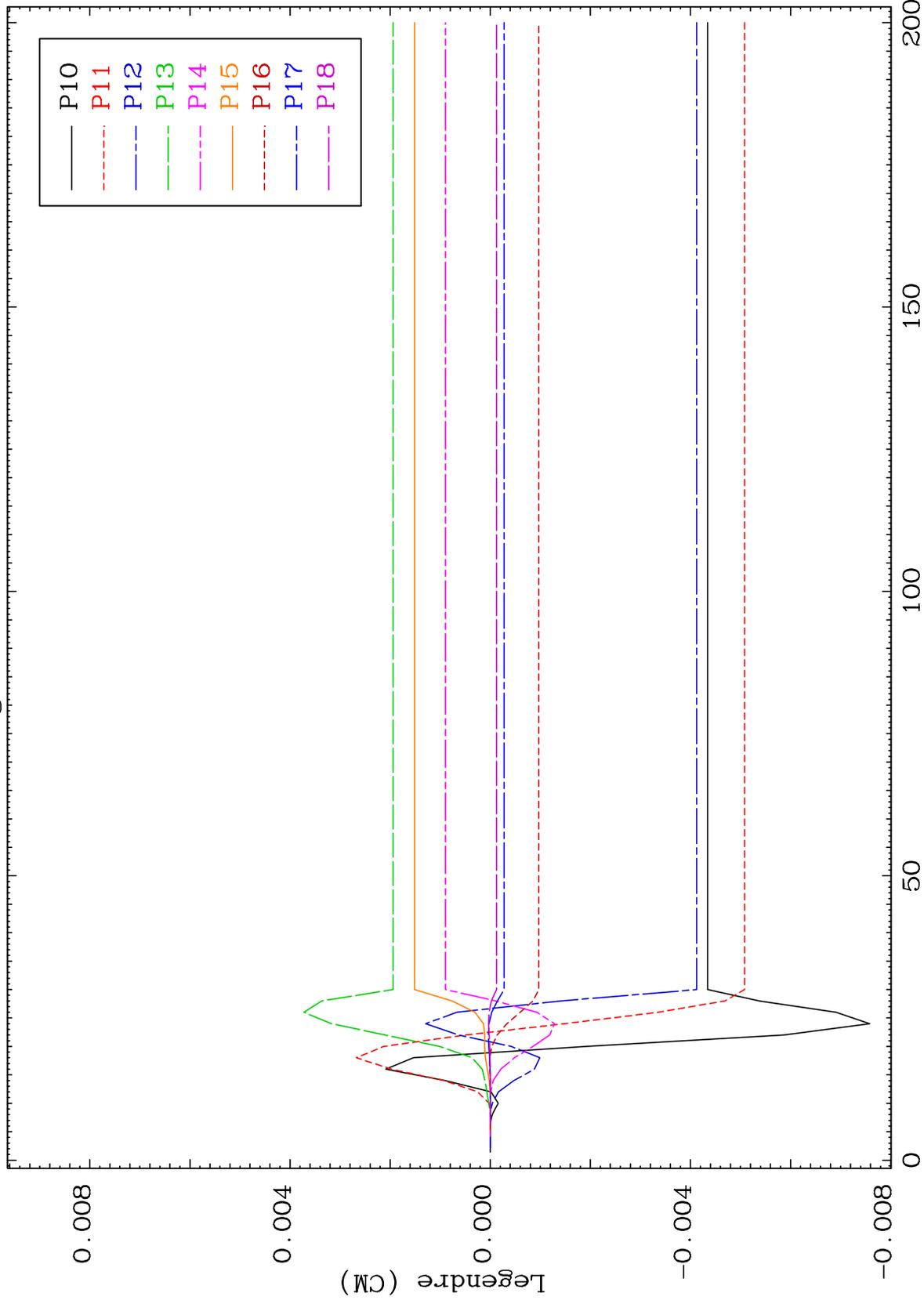
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



68

Incident Energy (MeV)

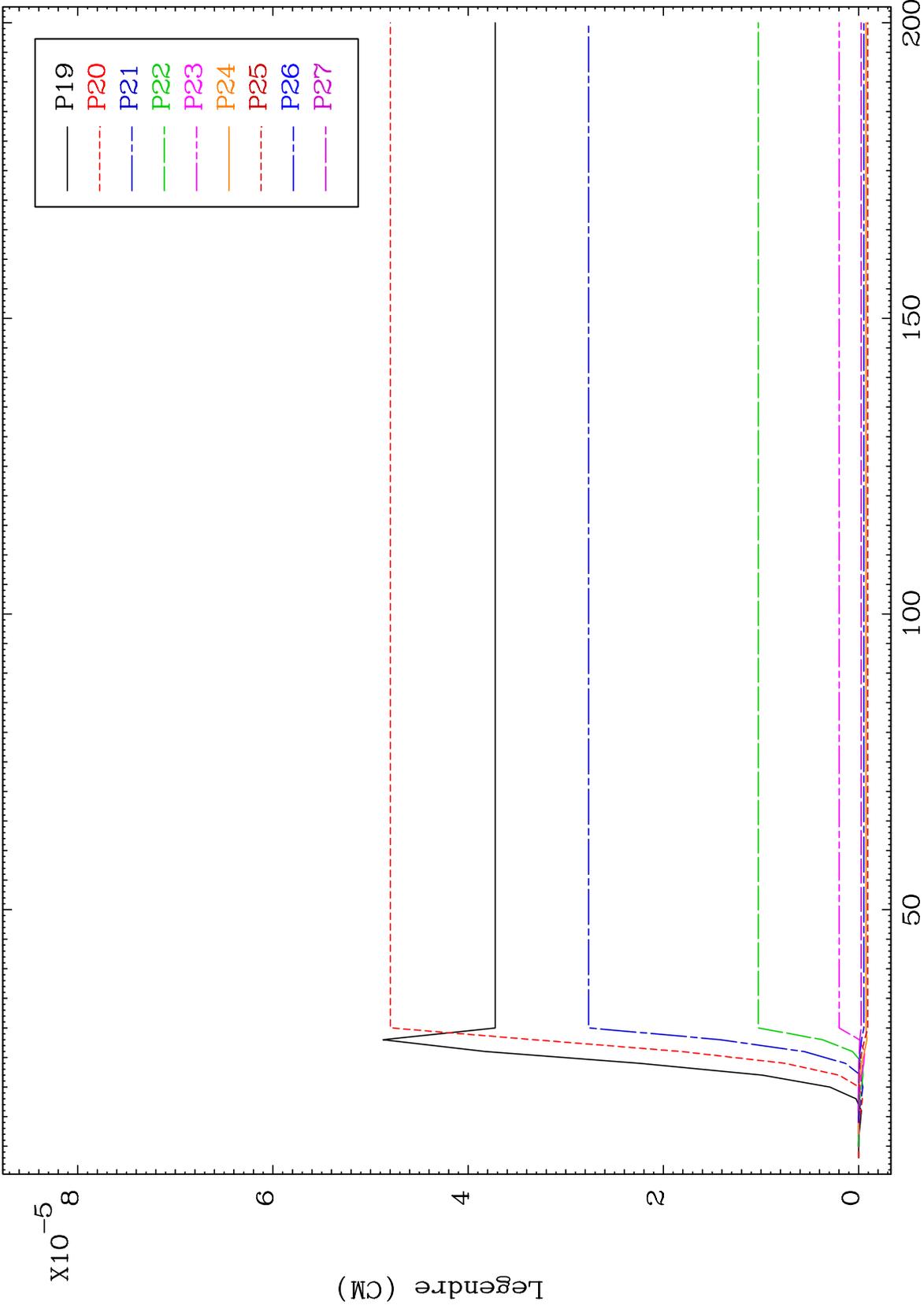
51-Sb-130

MAT 5152

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

51-Sb-130

$\times 10^{-5}$



69

Incident Energy (MeV)

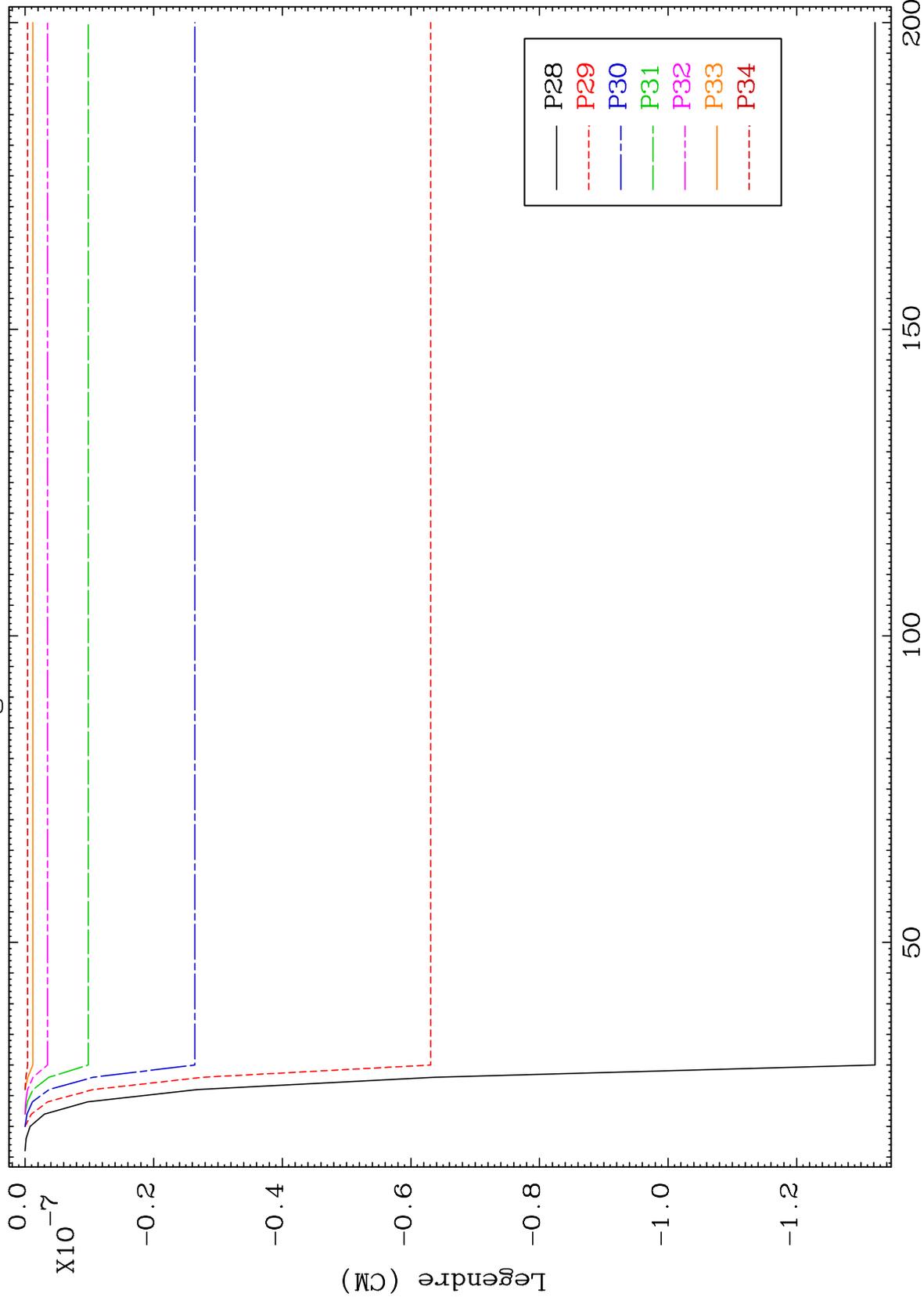
51-Sb-130

MAT 5152

MT= 64 (n,n') Level

51-Sb-130

Legendre Coefficients



51-Sb-130

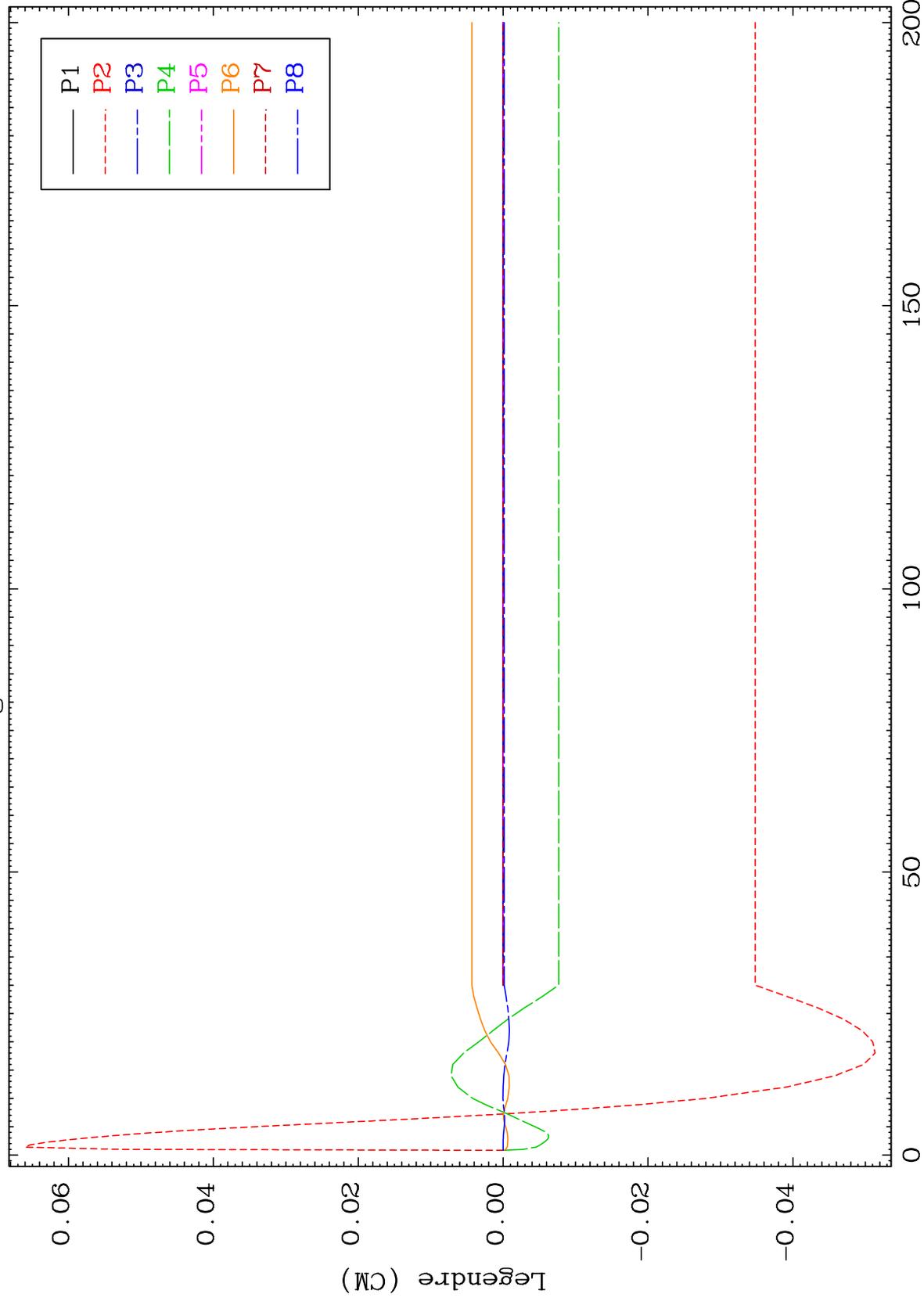
Incident Energy (MeV)

70

MAT 5152

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

51-Sb-130



71

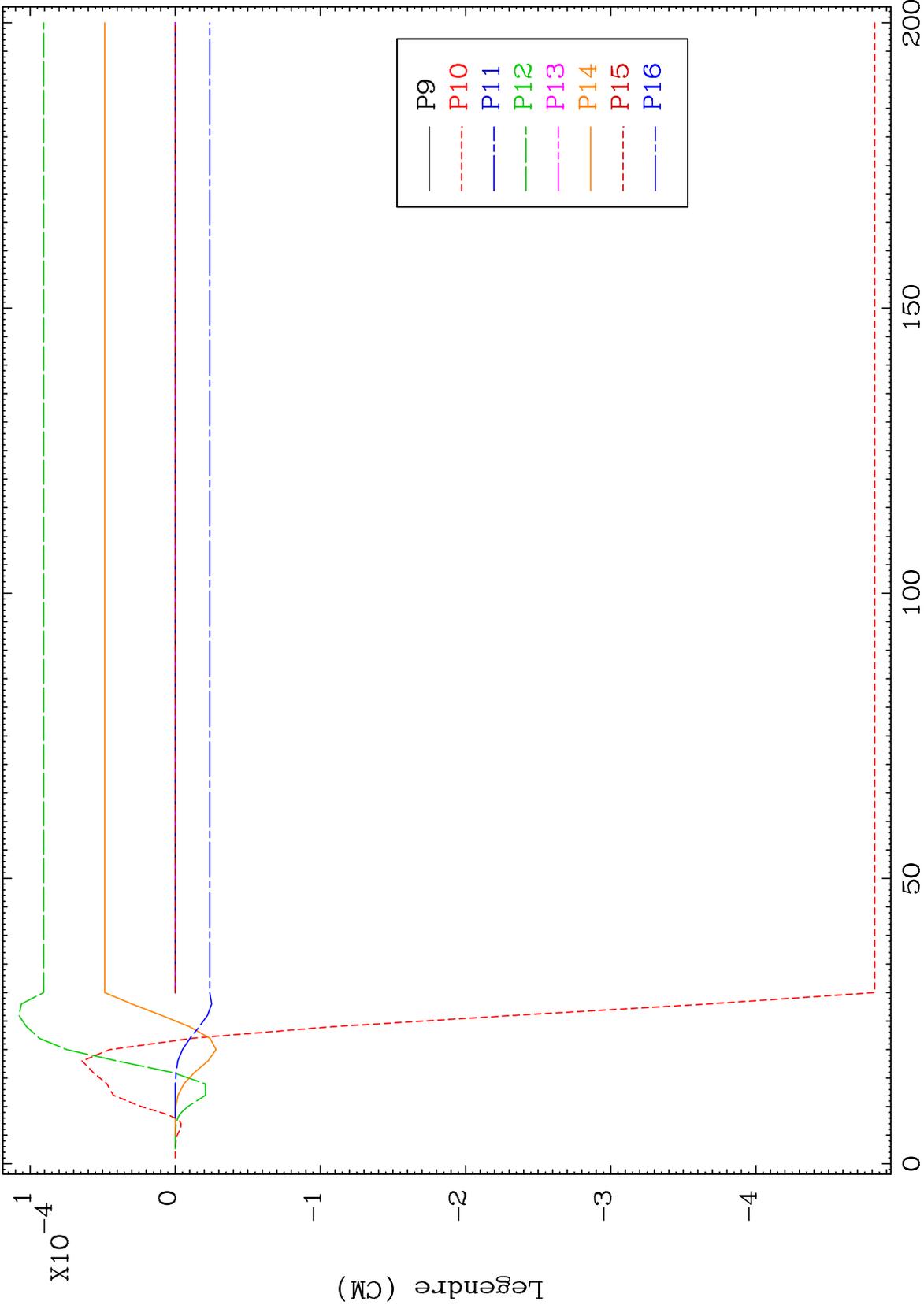
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

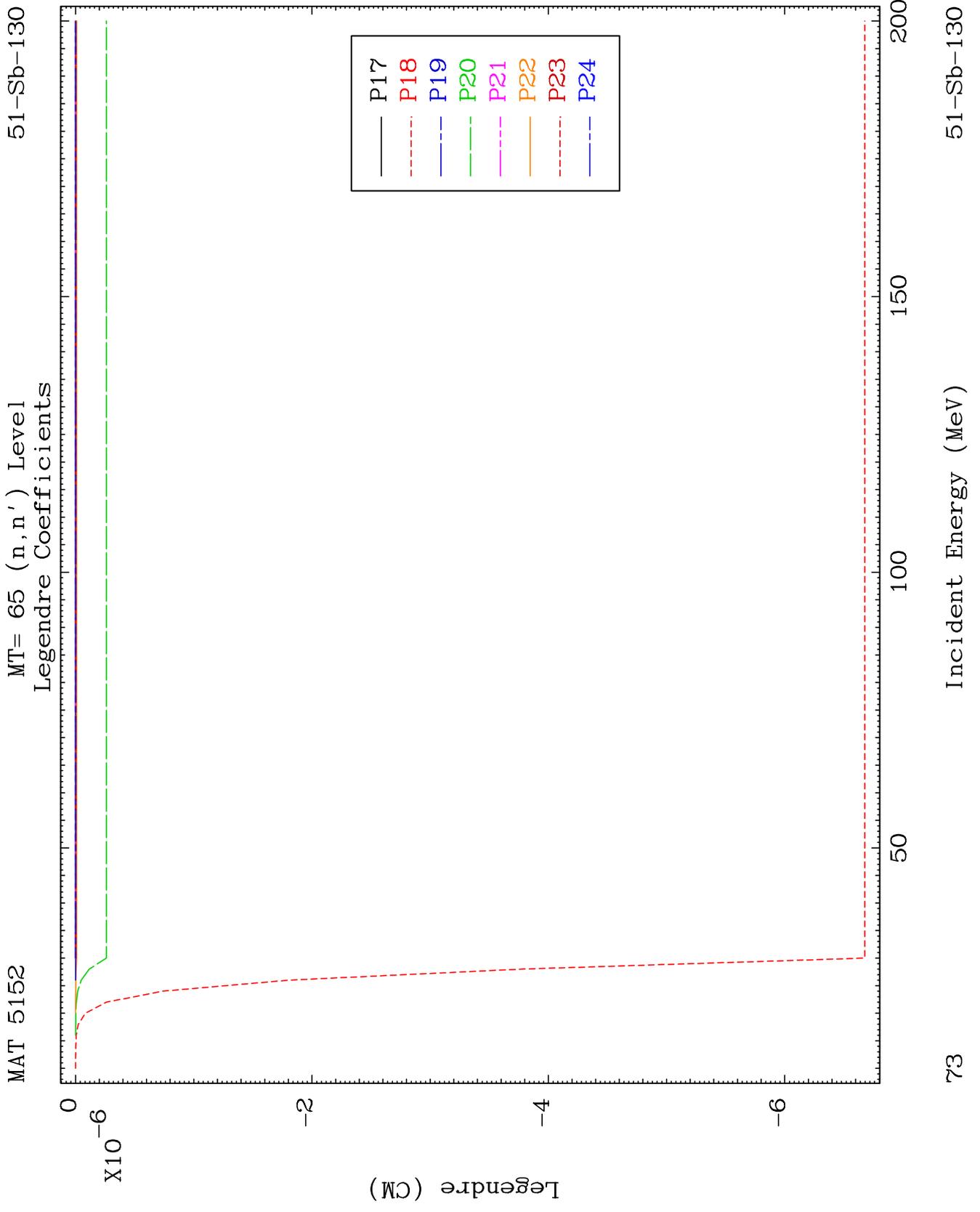
51-Sb-130



72

Incident Energy (MeV)

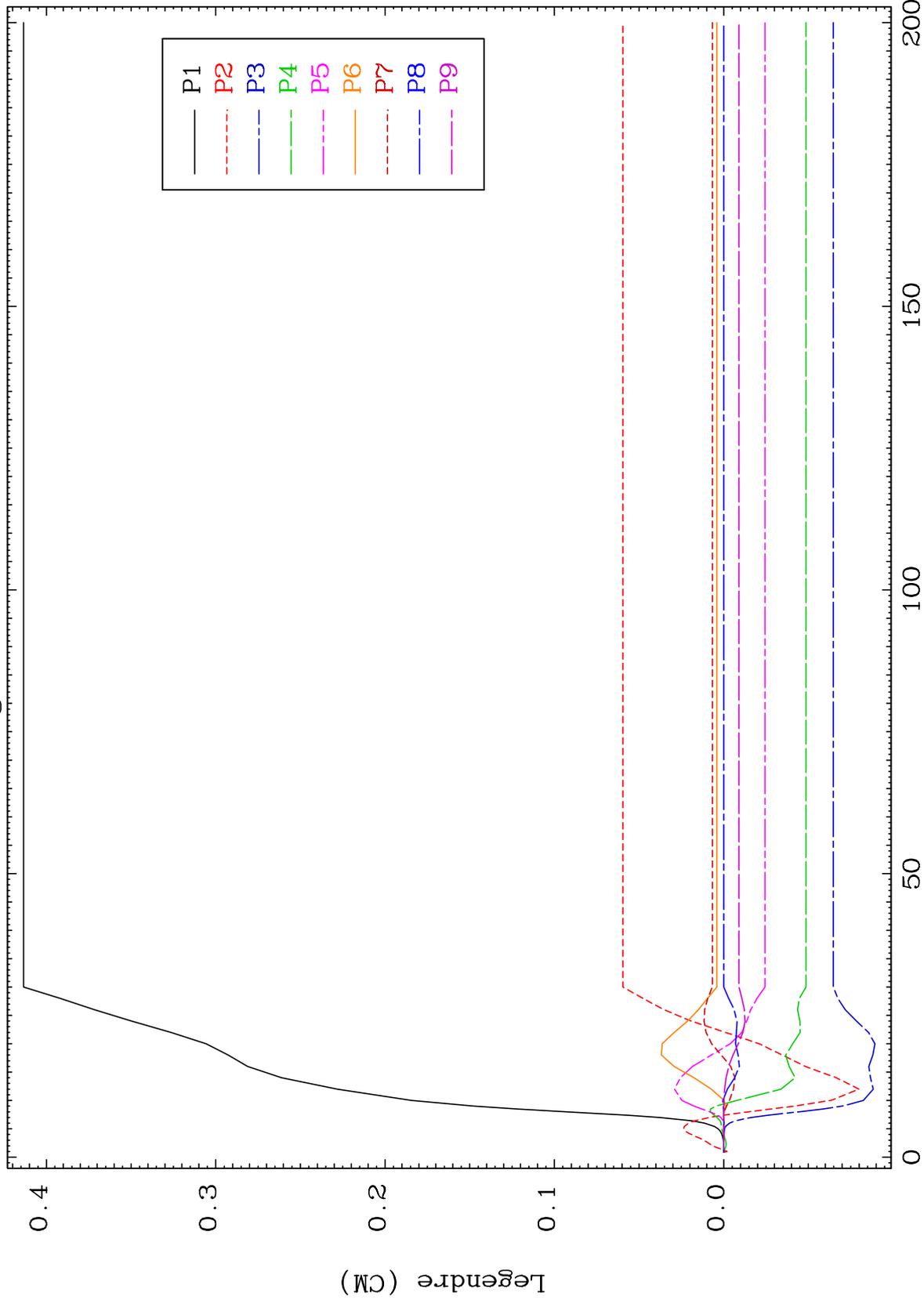
51-Sb-130



MAT 5152

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

51-Sb-130



74

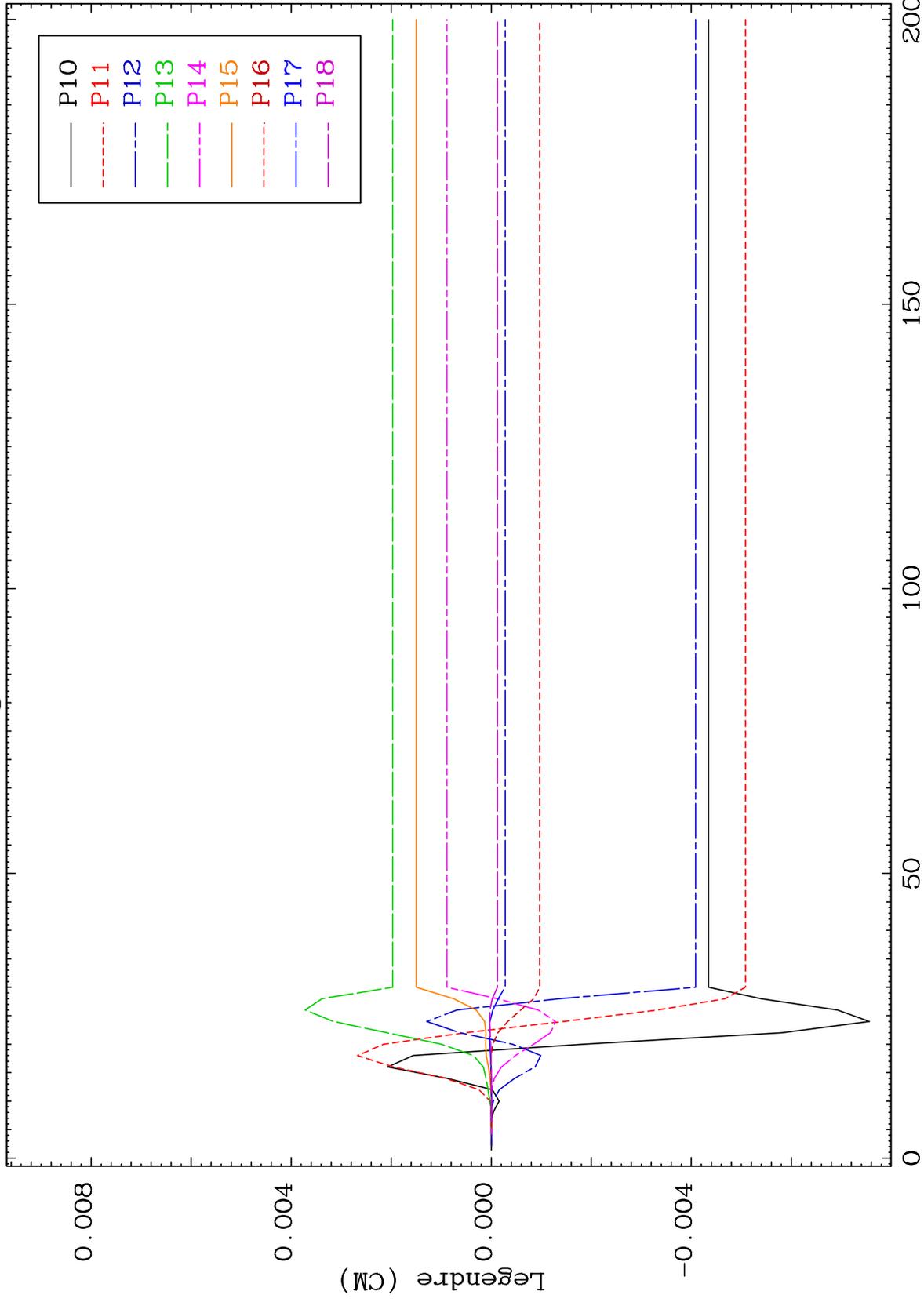
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



75

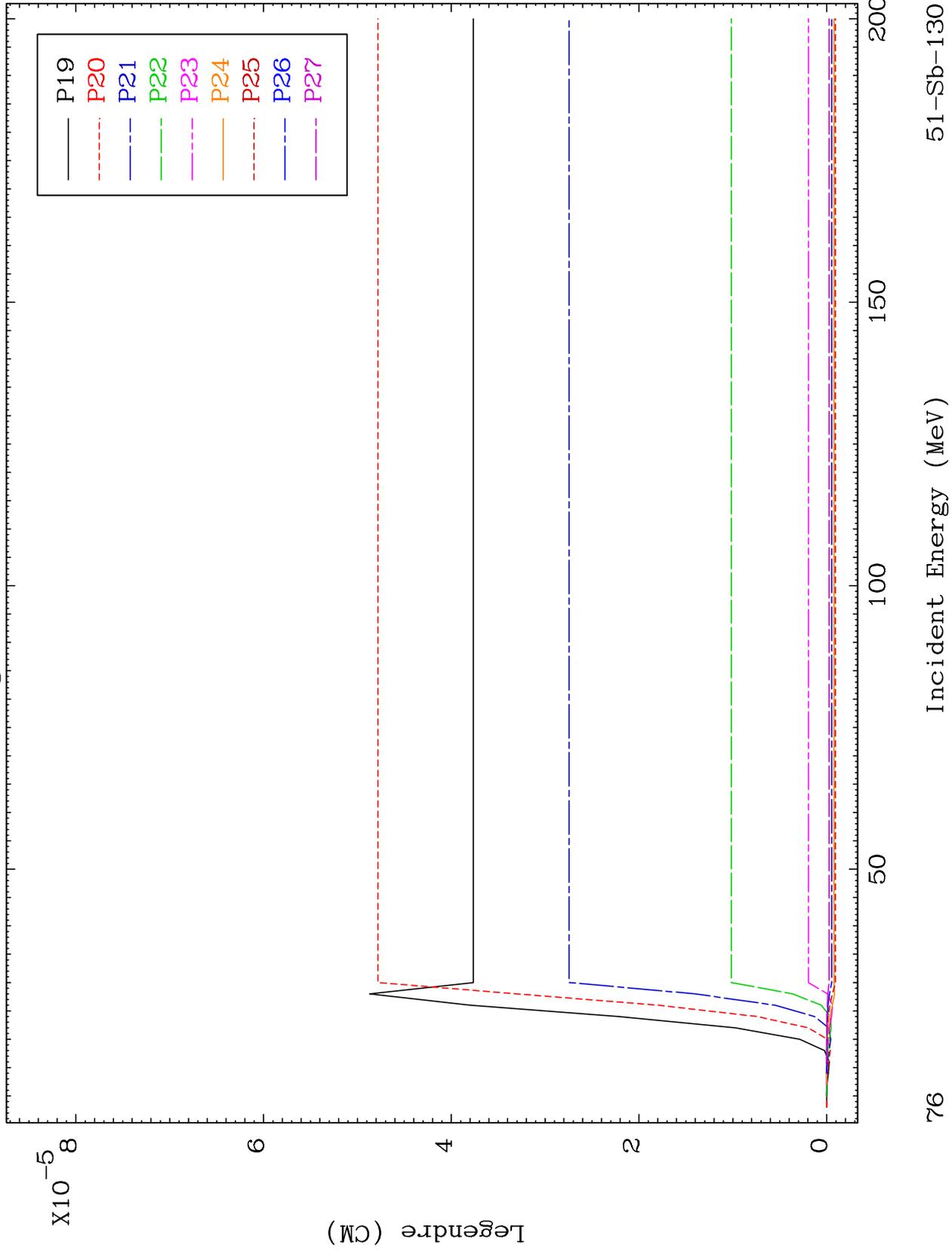
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

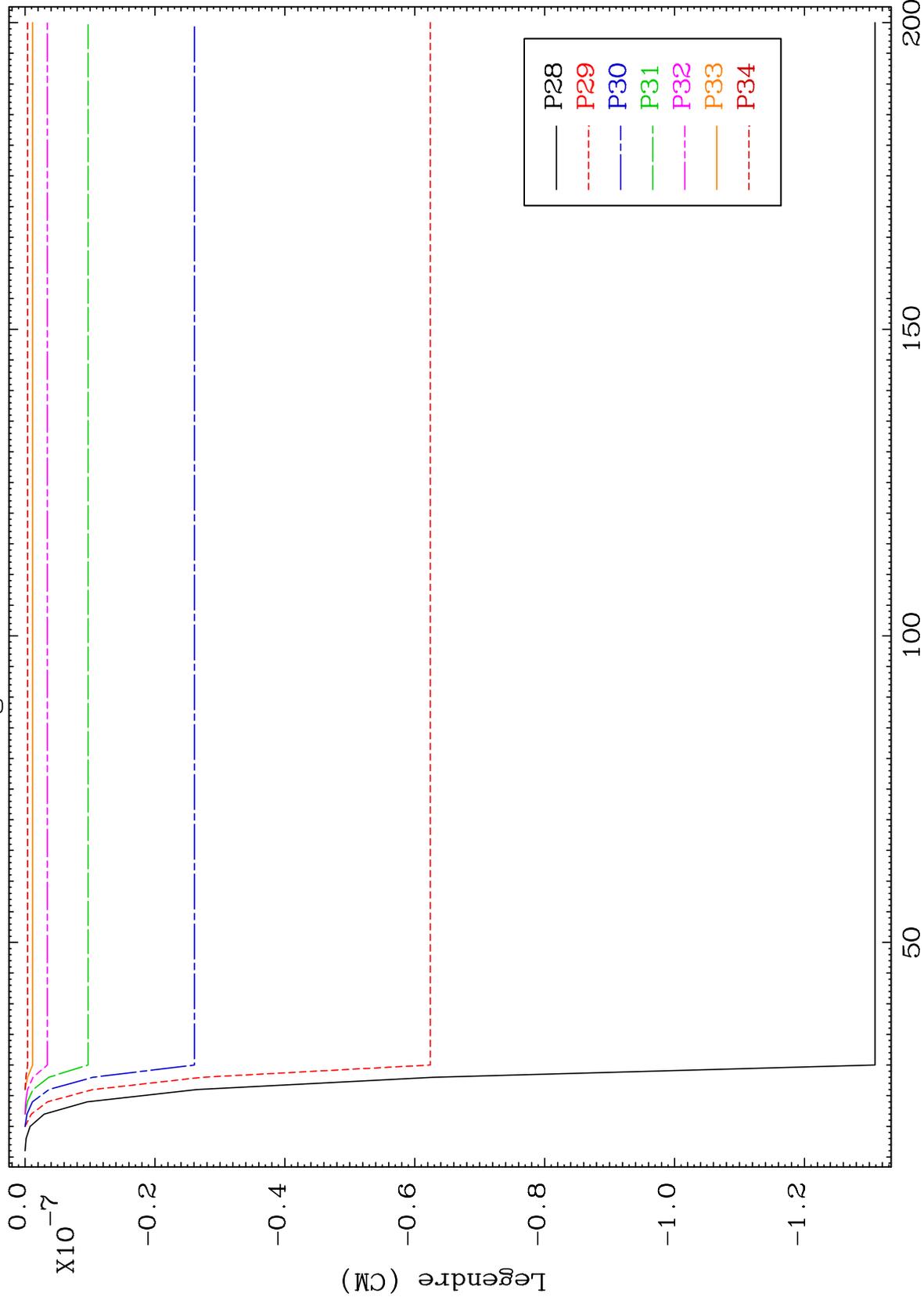
51-Sb-130



MAT 5152

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

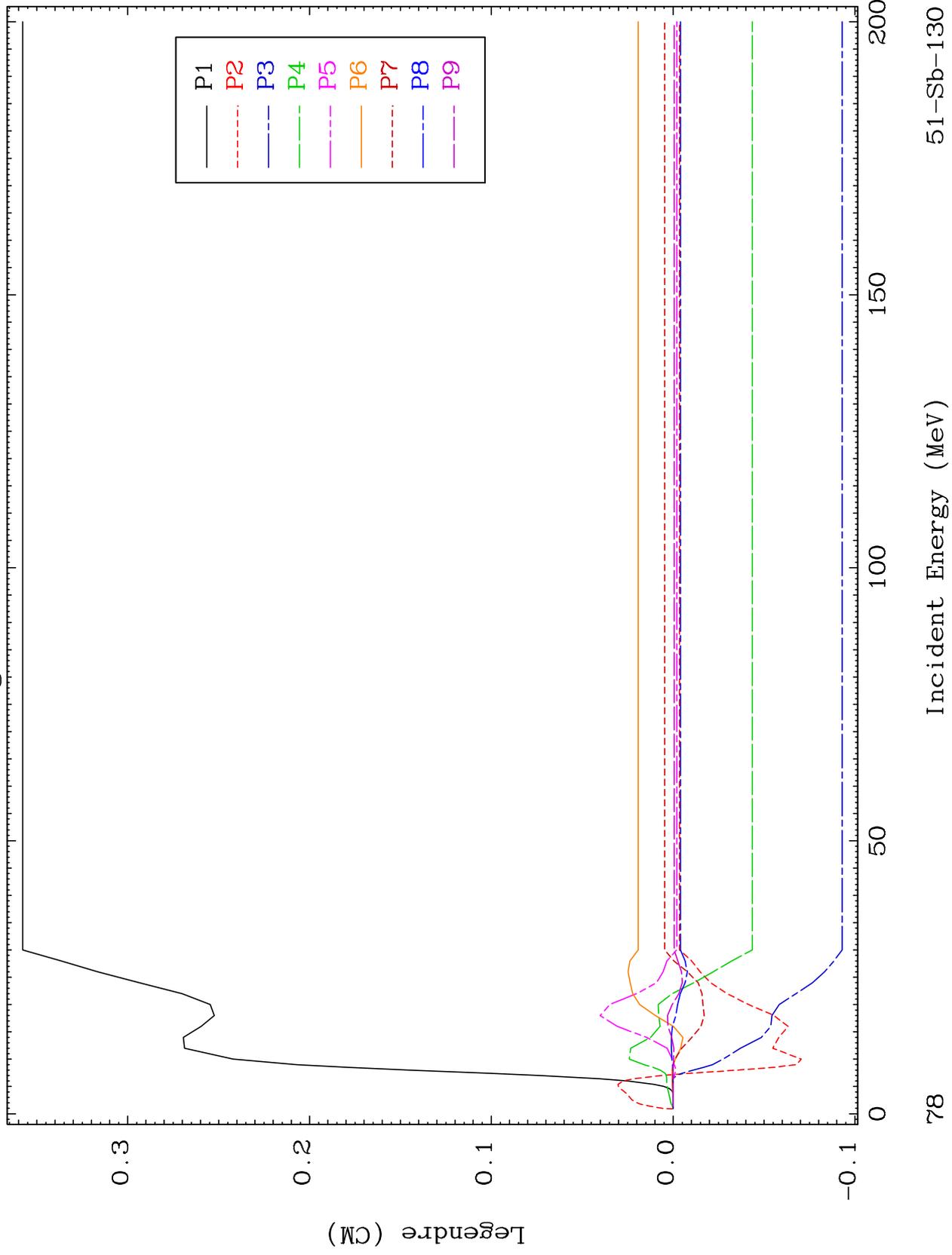
51-Sb-130



MAT 5152

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

51-Sb-130



51-Sb-130

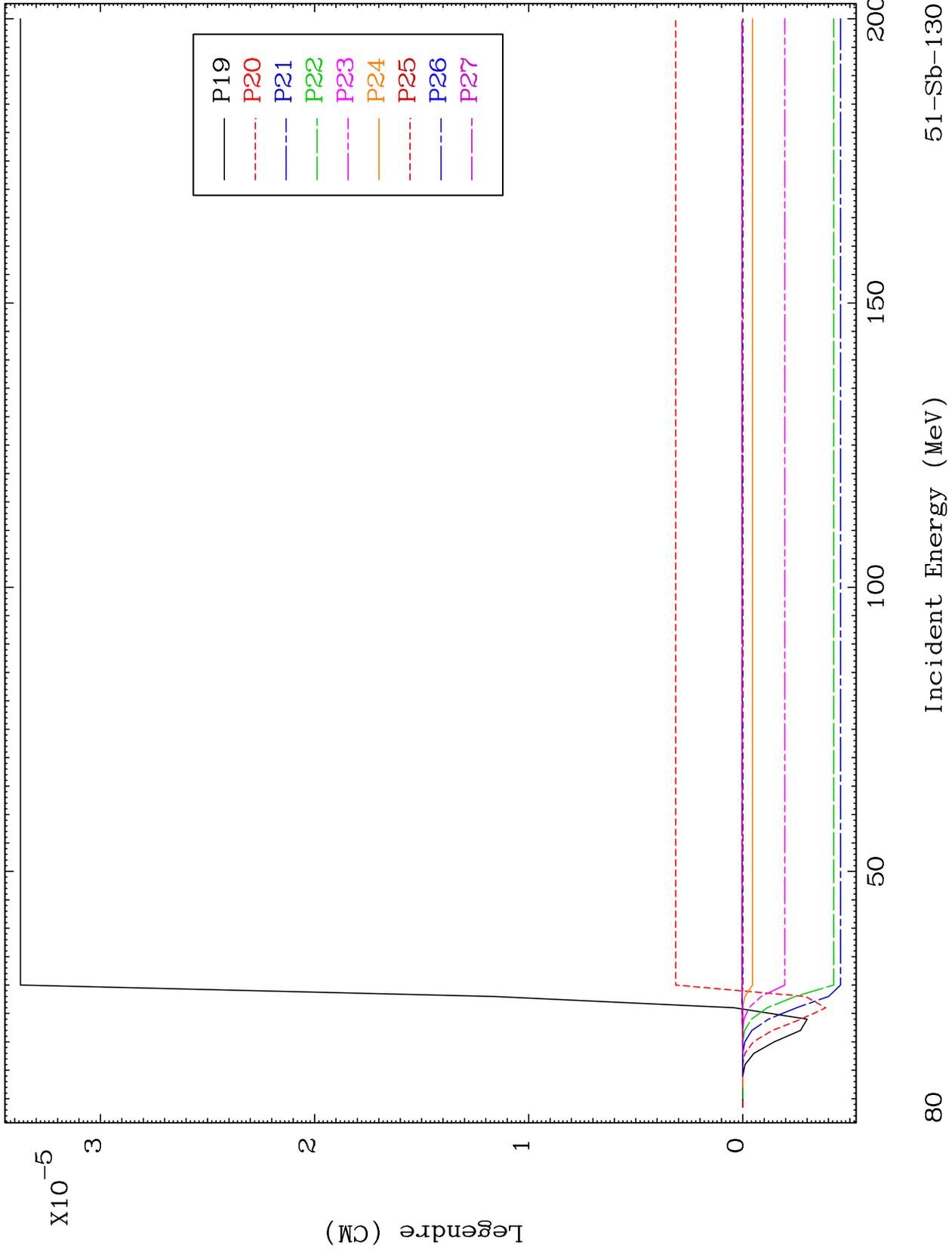
Incident Energy (MeV)

78

MAT 5152

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

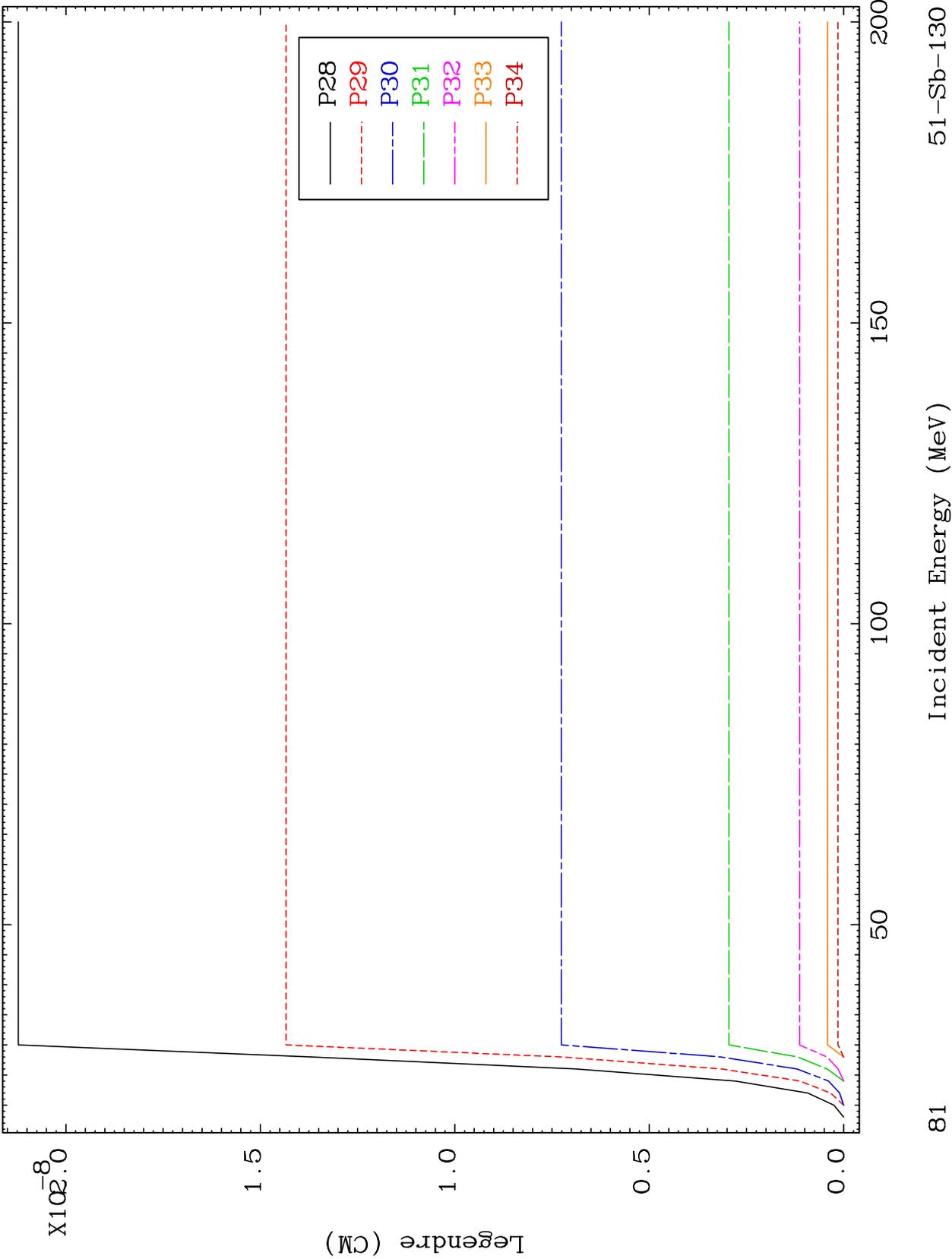
51-Sb-130



MAT 5152

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

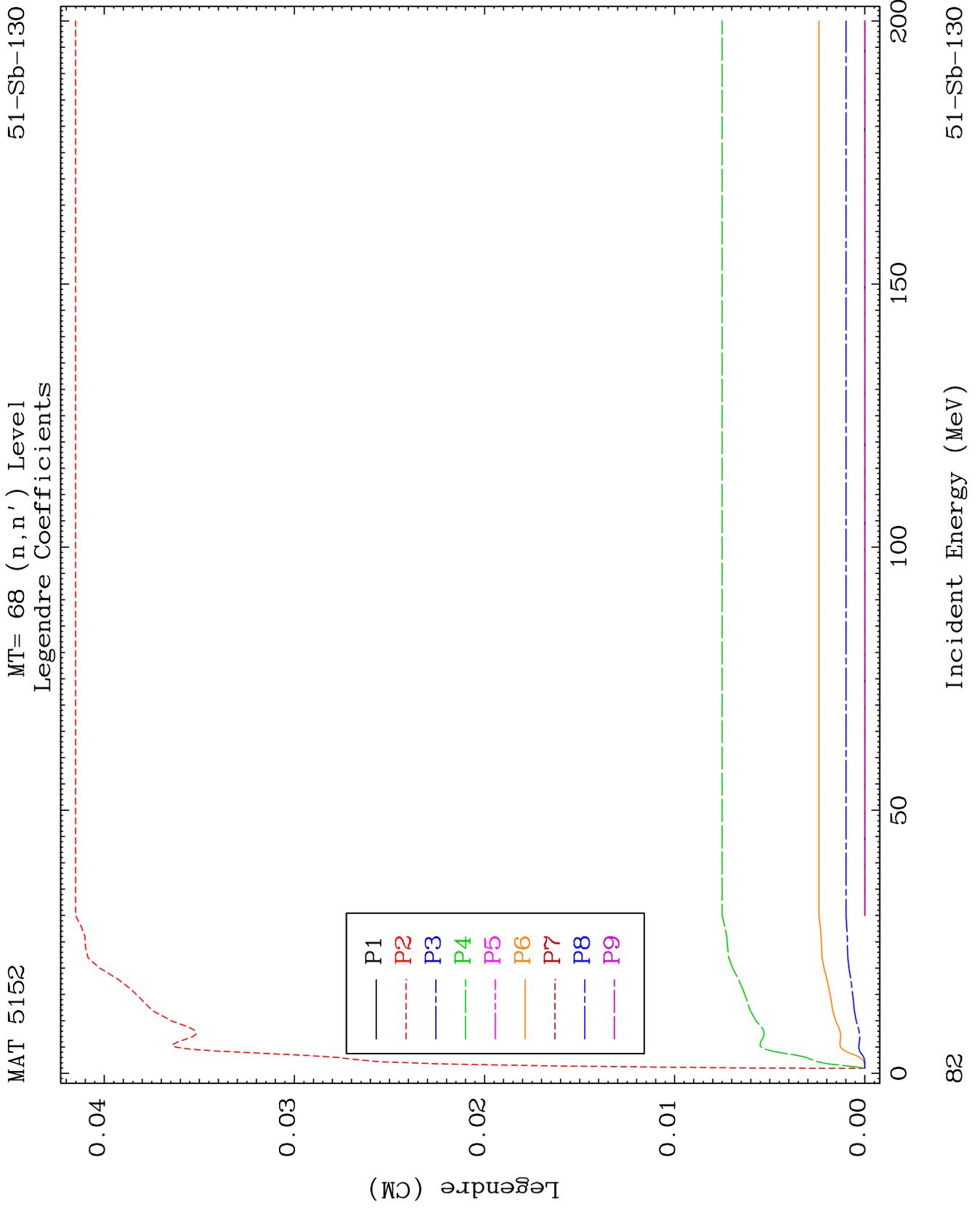
51-Sb-130



81

Incident Energy (MeV)

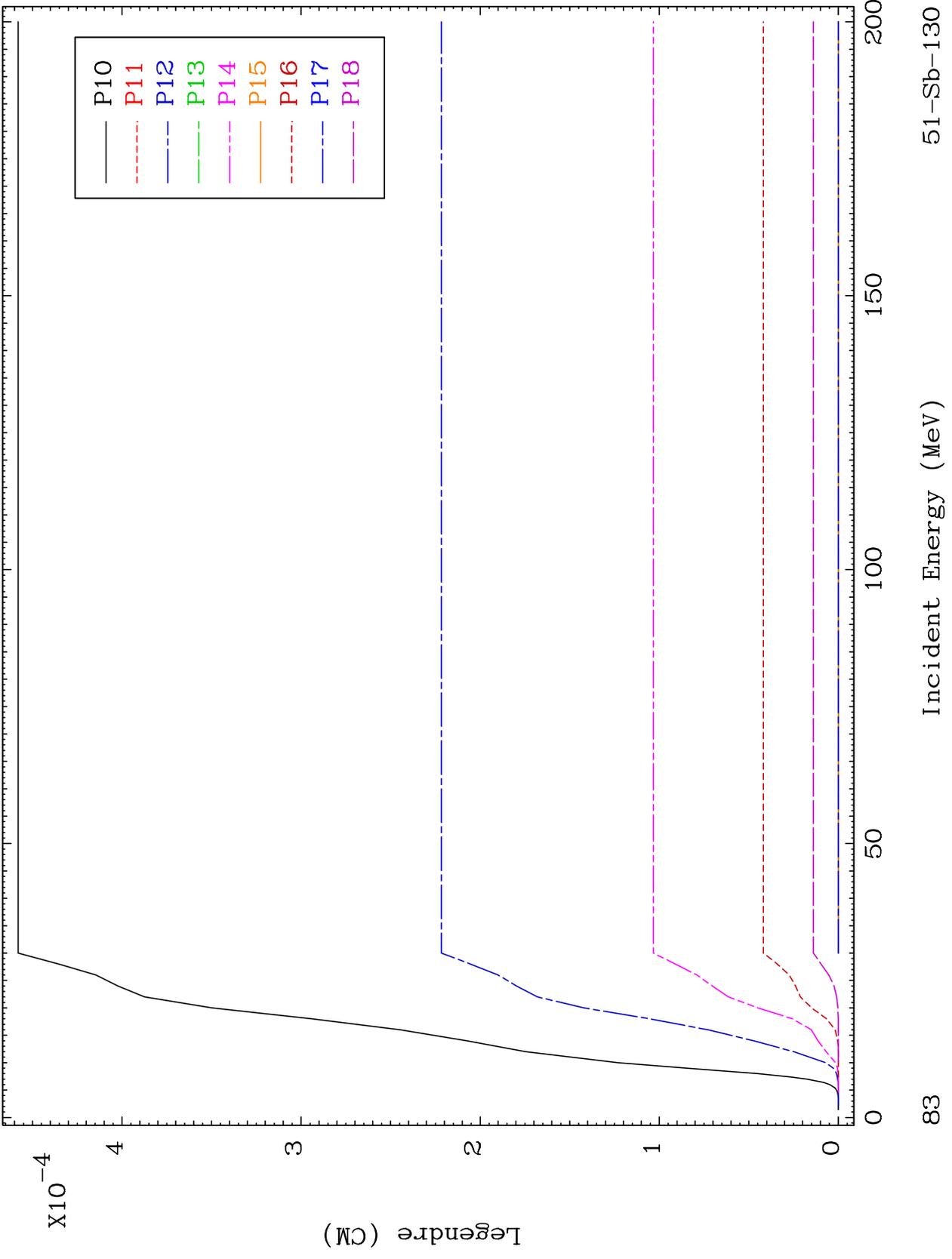
51-Sb-130



MAT 5152

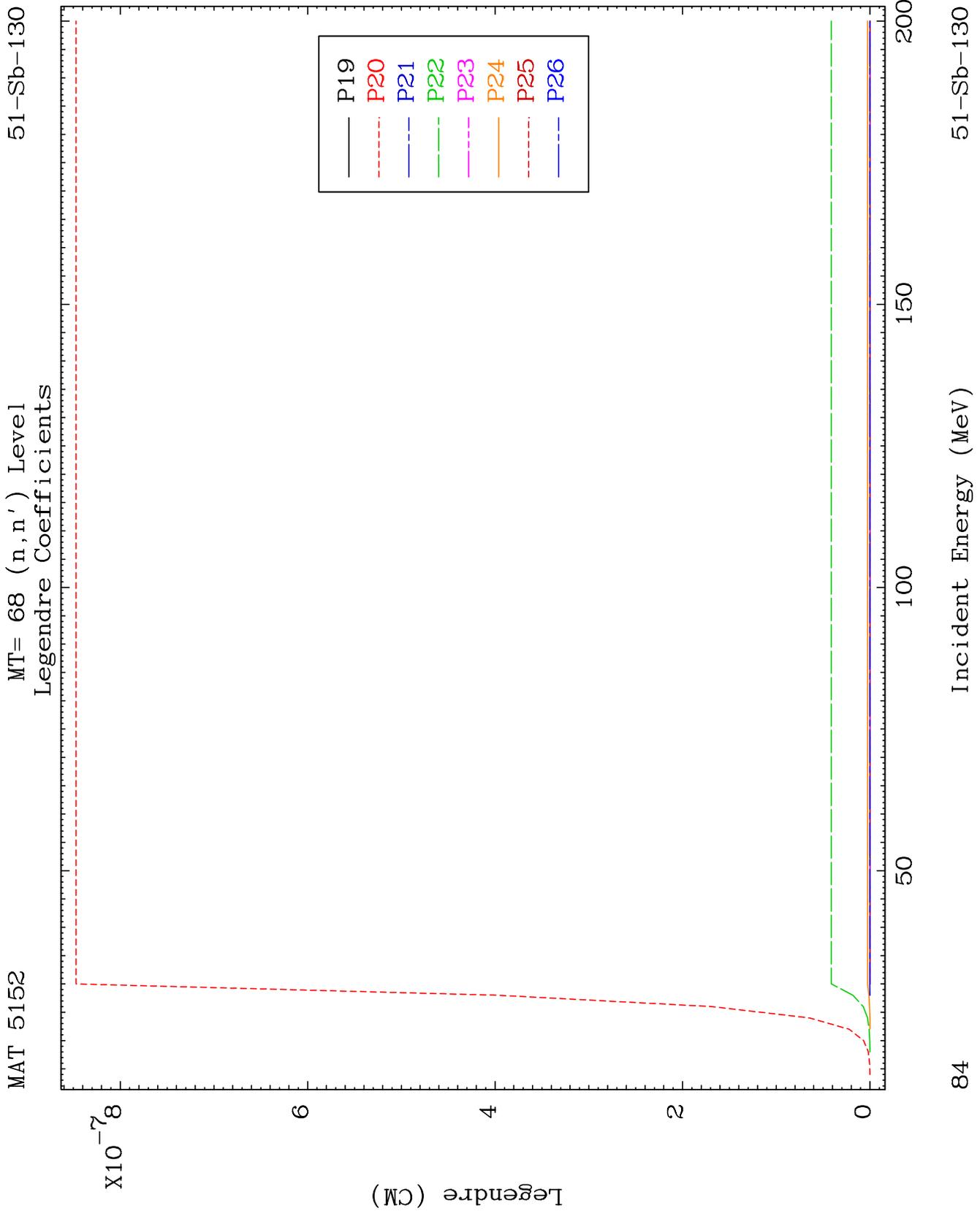
MT= 68 (n,n') Level
Legendre Coefficients

51-Sb-130



83

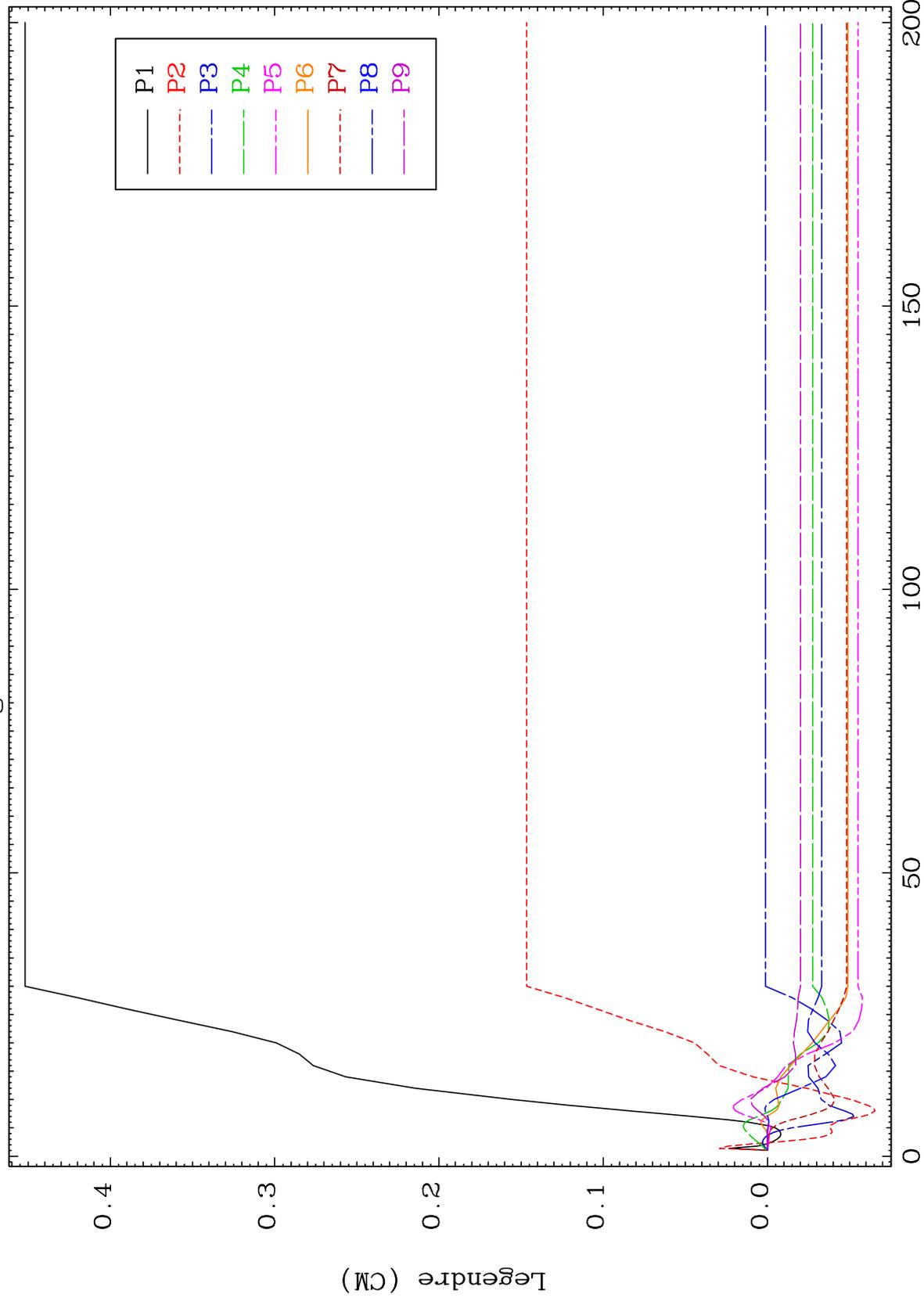
51-Sb-130



MAT 5152

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

51-Sb-130



85

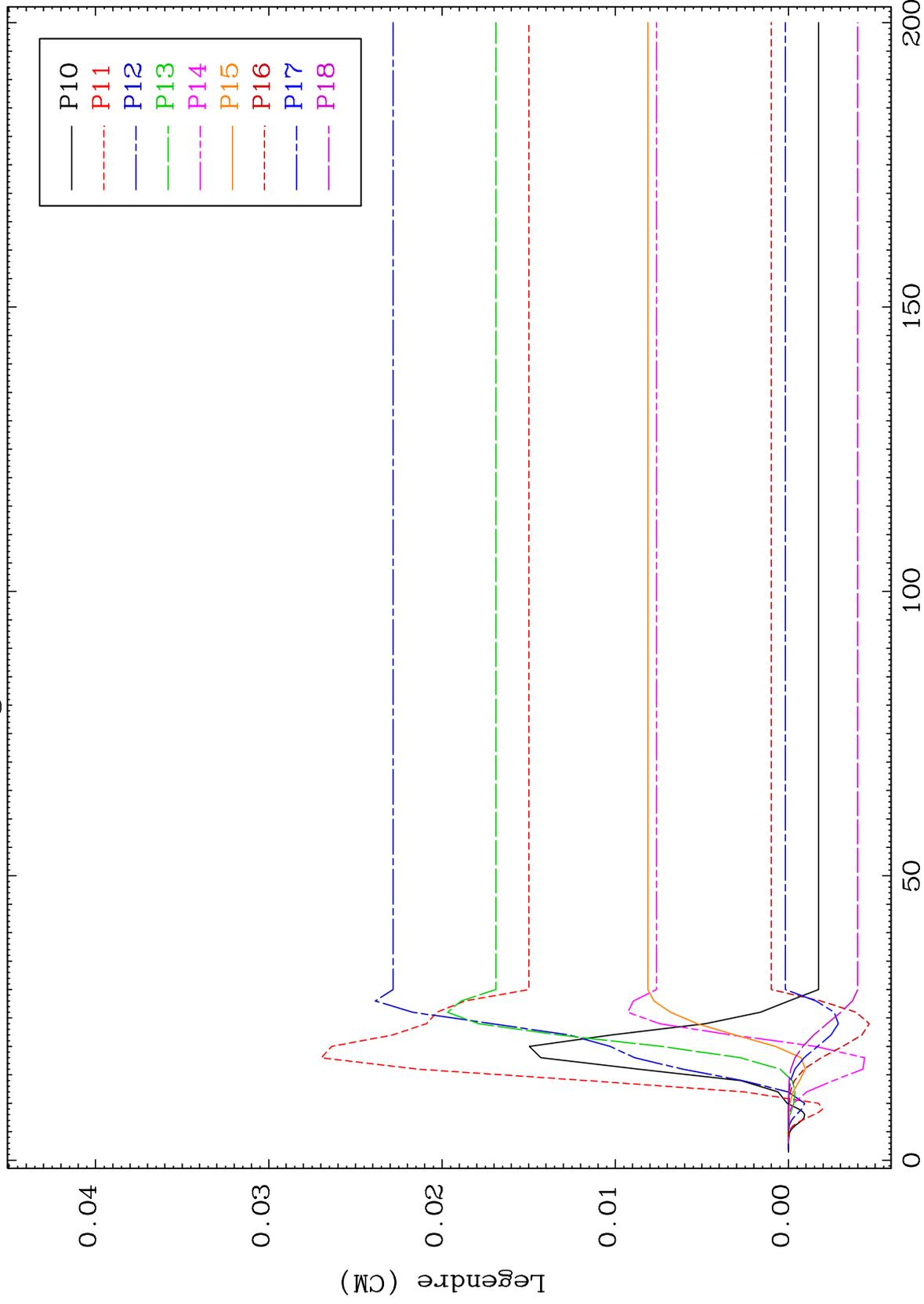
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



86

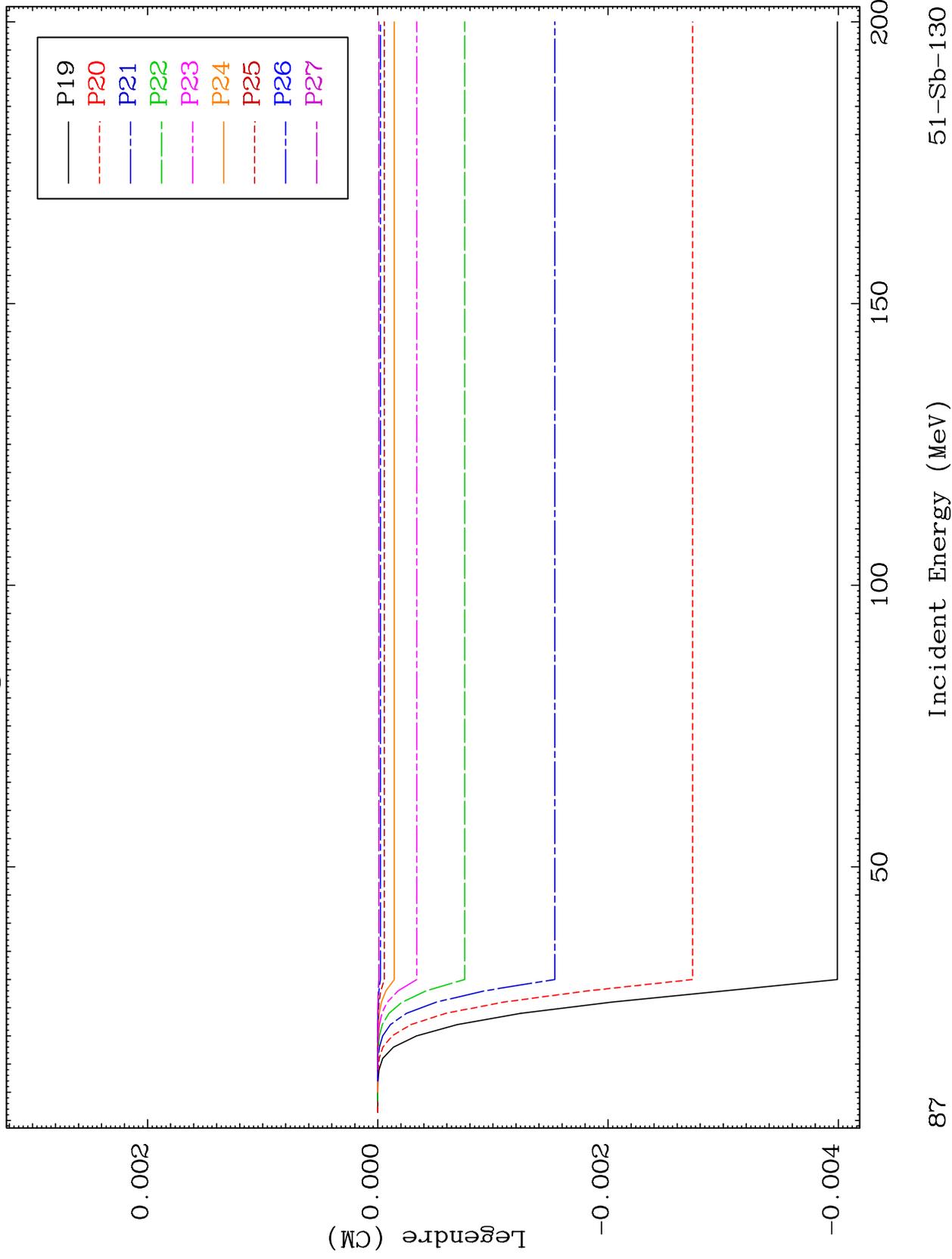
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

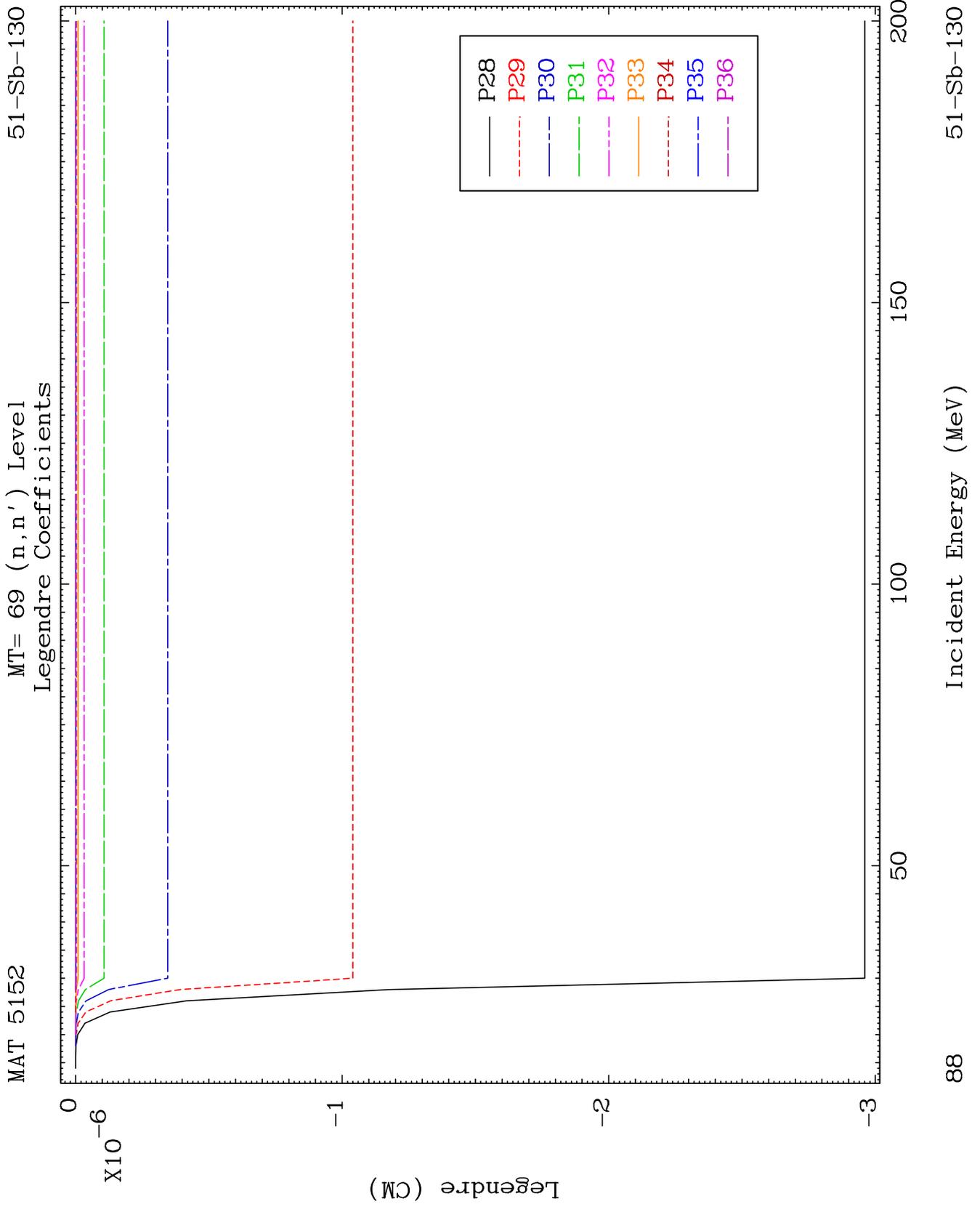
51-Sb-130



87

Incident Energy (MeV)

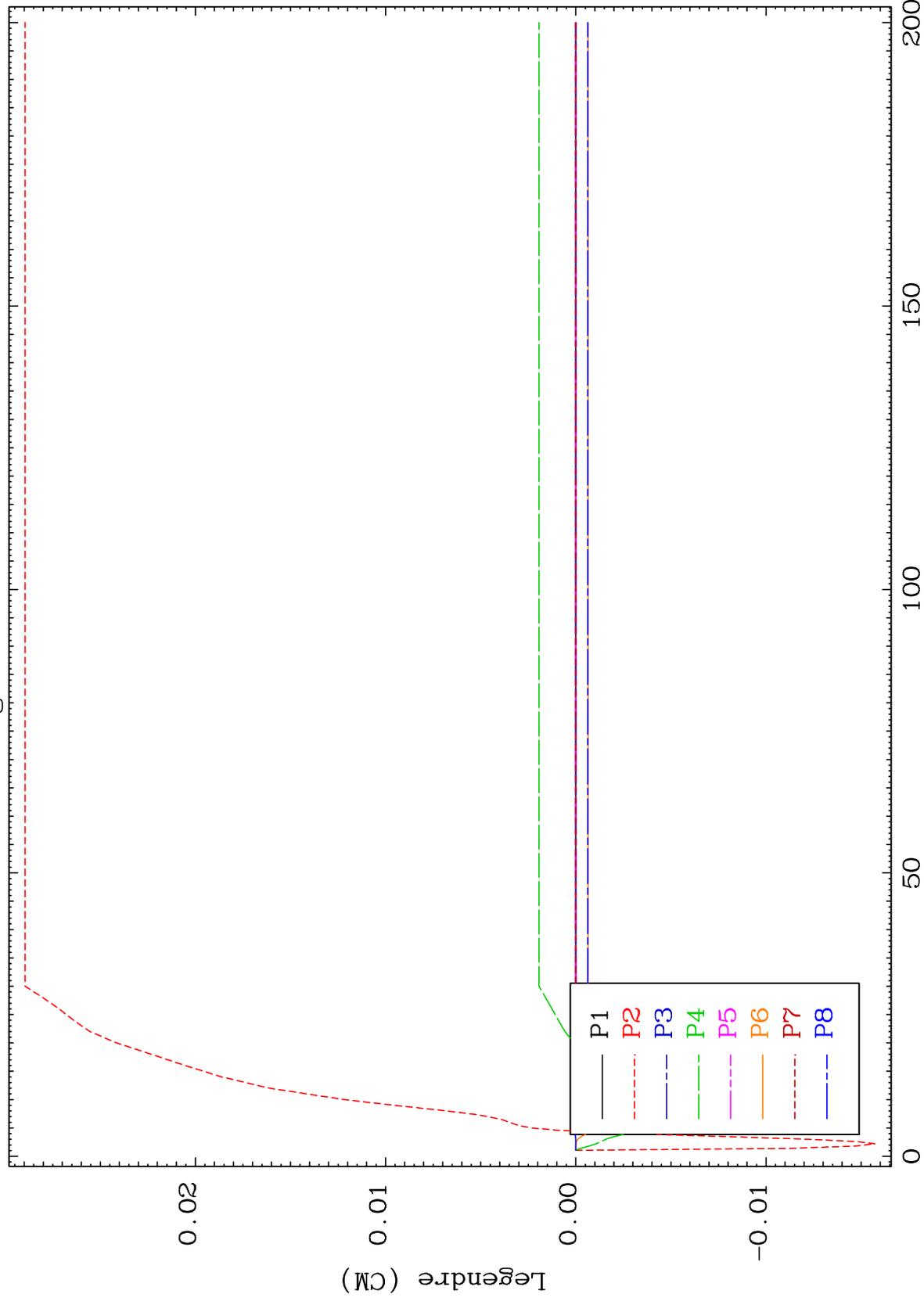
51-Sb-130



MAT 5152

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

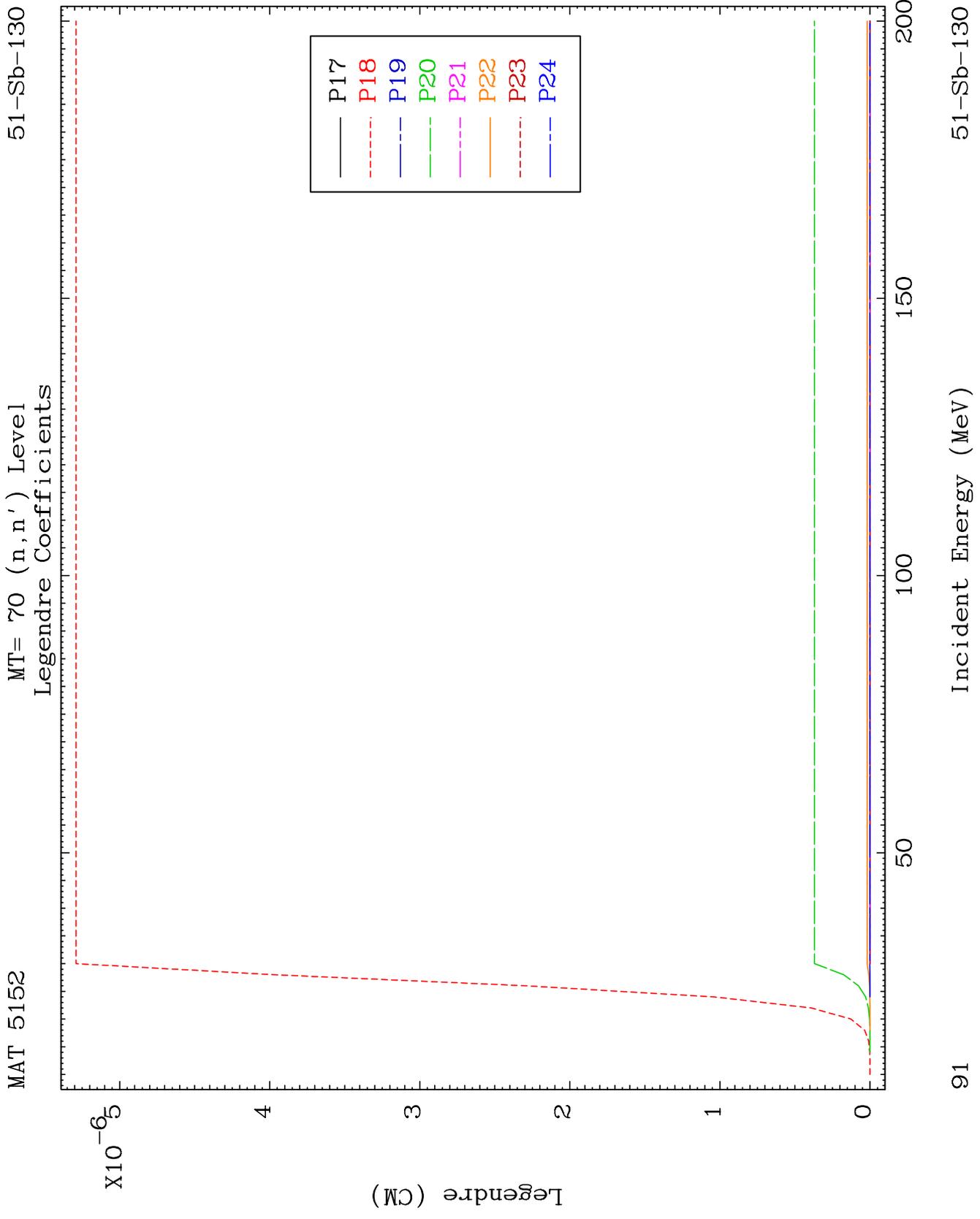
51-Sb-130



89

Incident Energy (MeV)

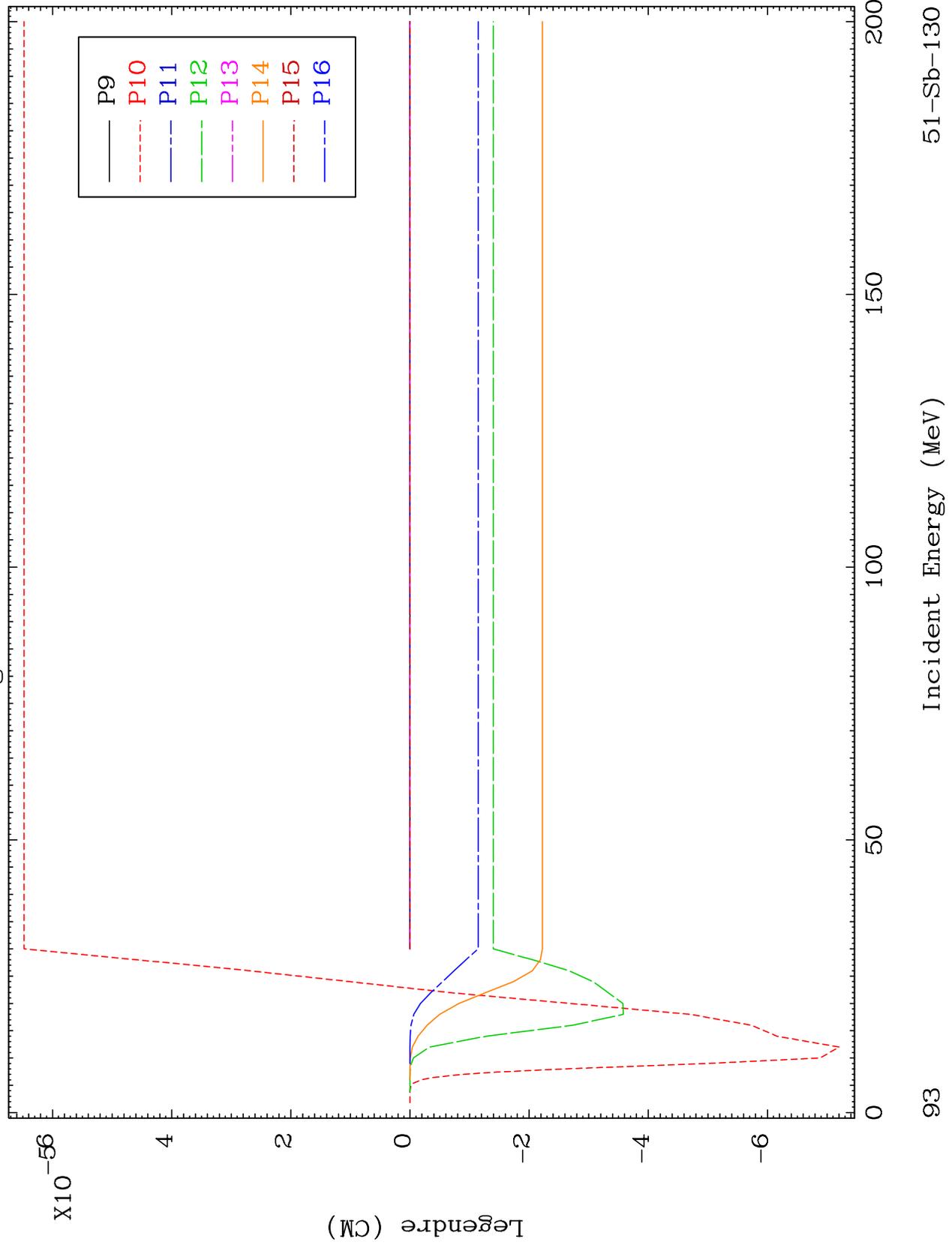
51-Sb-130



MAT 5152

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

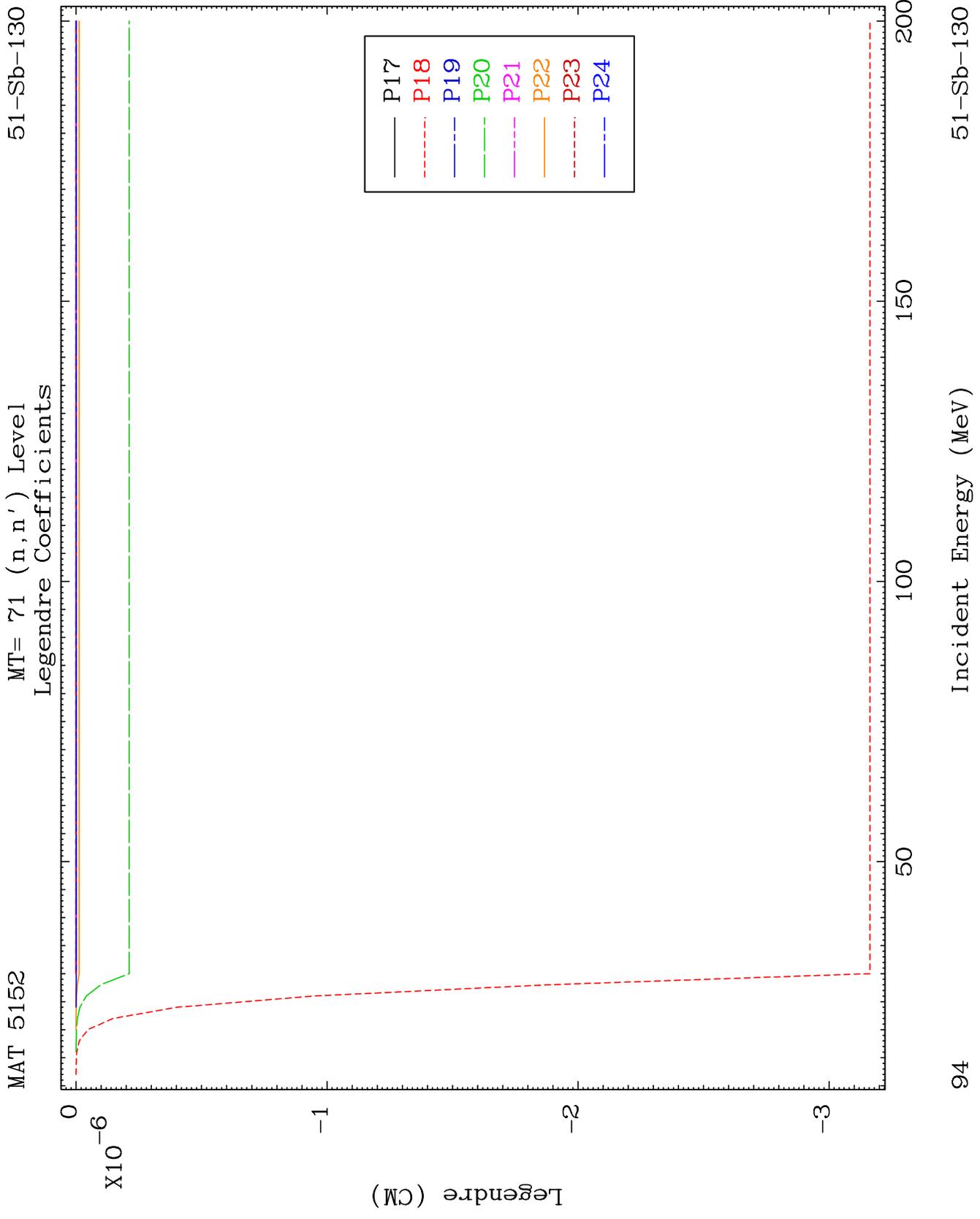
51-Sb-130



93

Incident Energy (MeV)

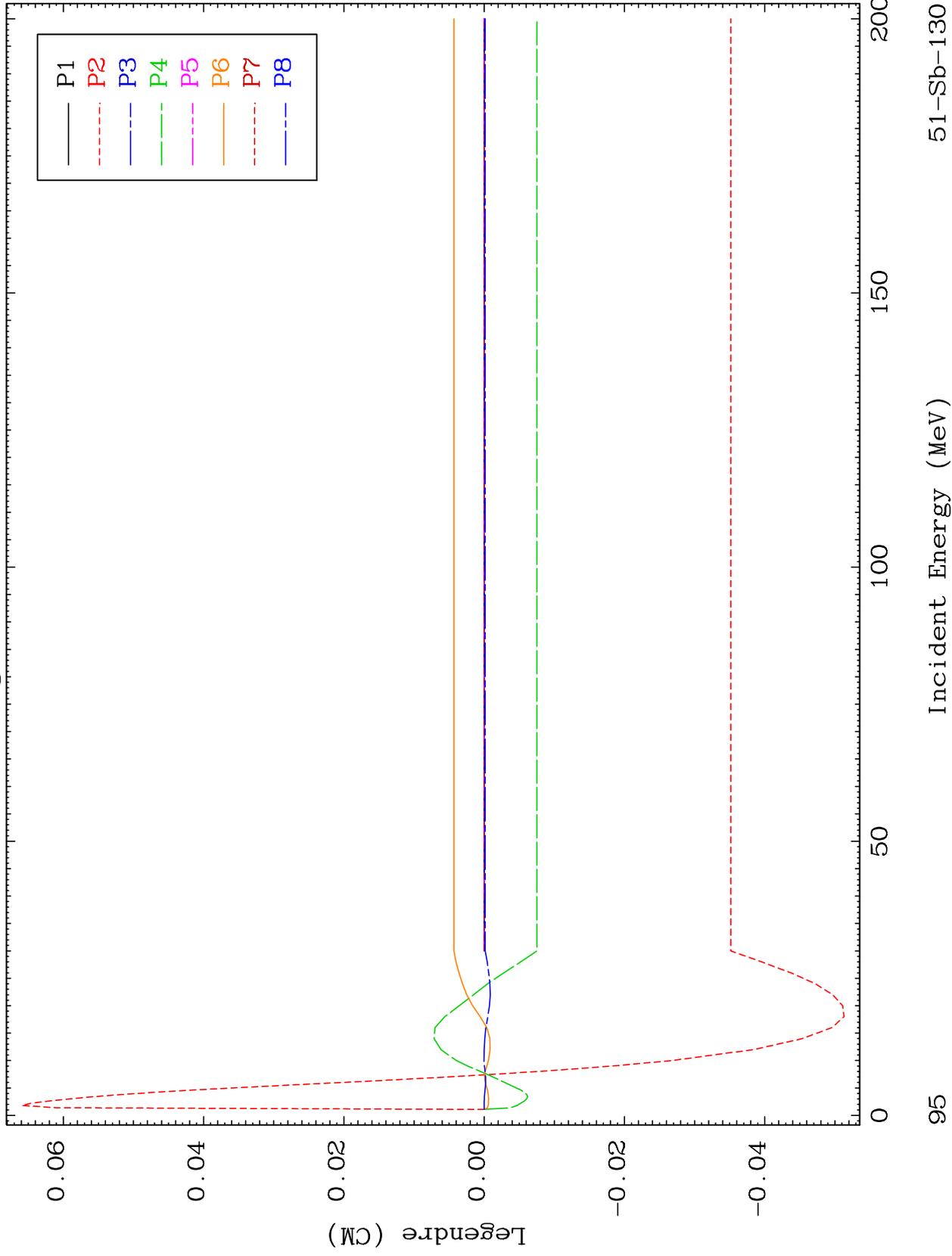
51-Sb-130



MAT 5152

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

51-Sb-130



51-Sb-130

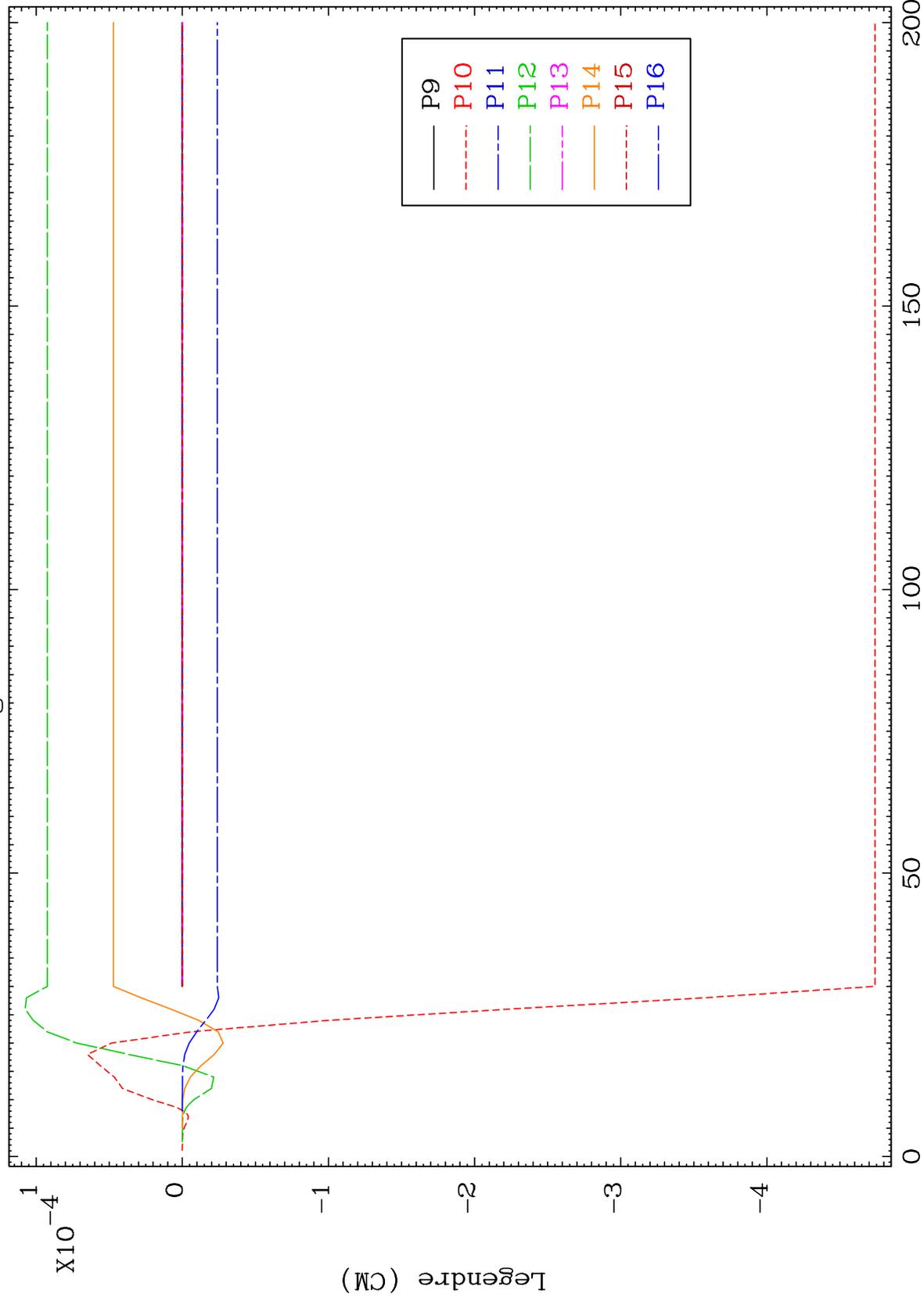
Incident Energy (MeV)

95

MAT 5152

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

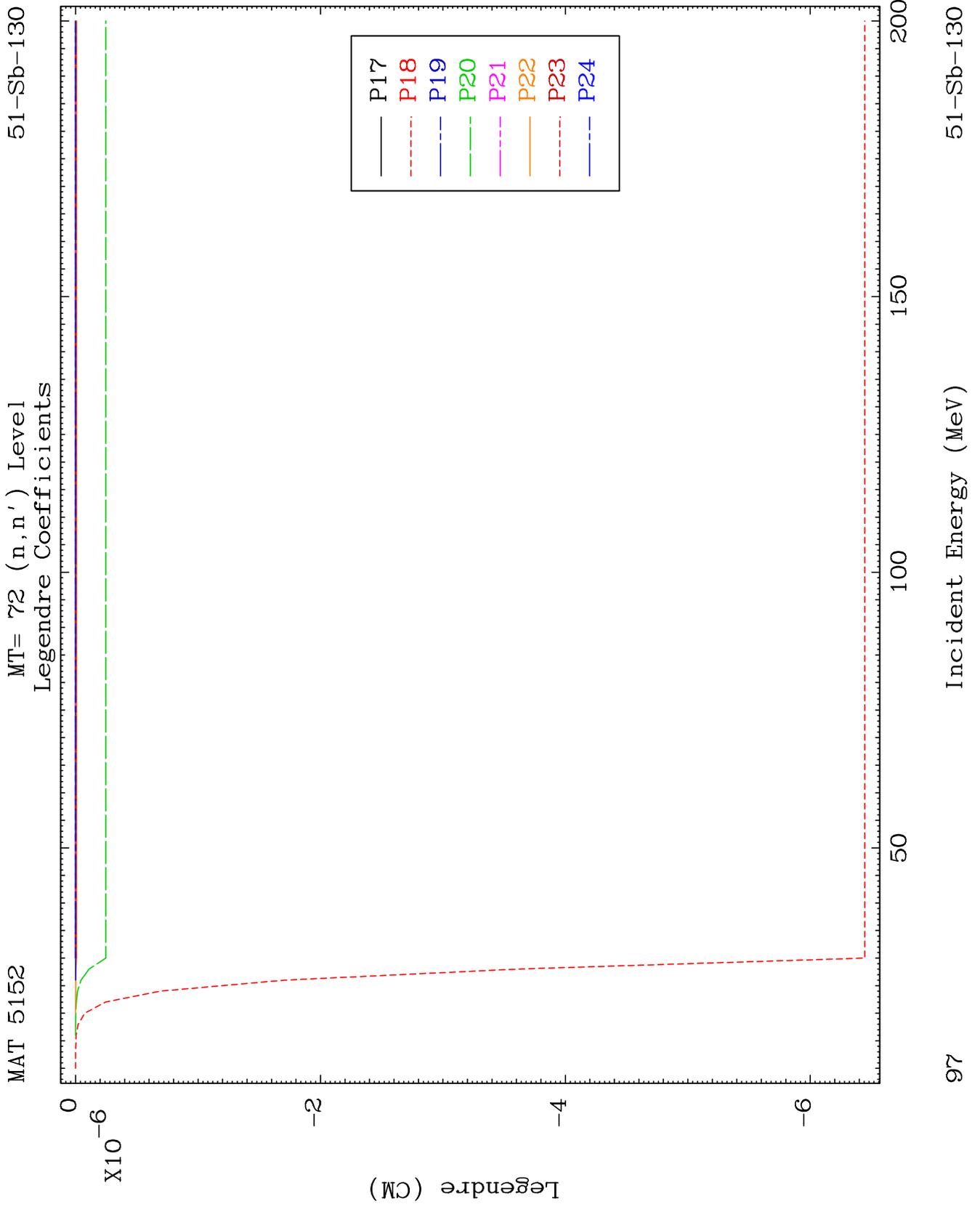
51-Sb-130



96

Incident Energy (MeV)

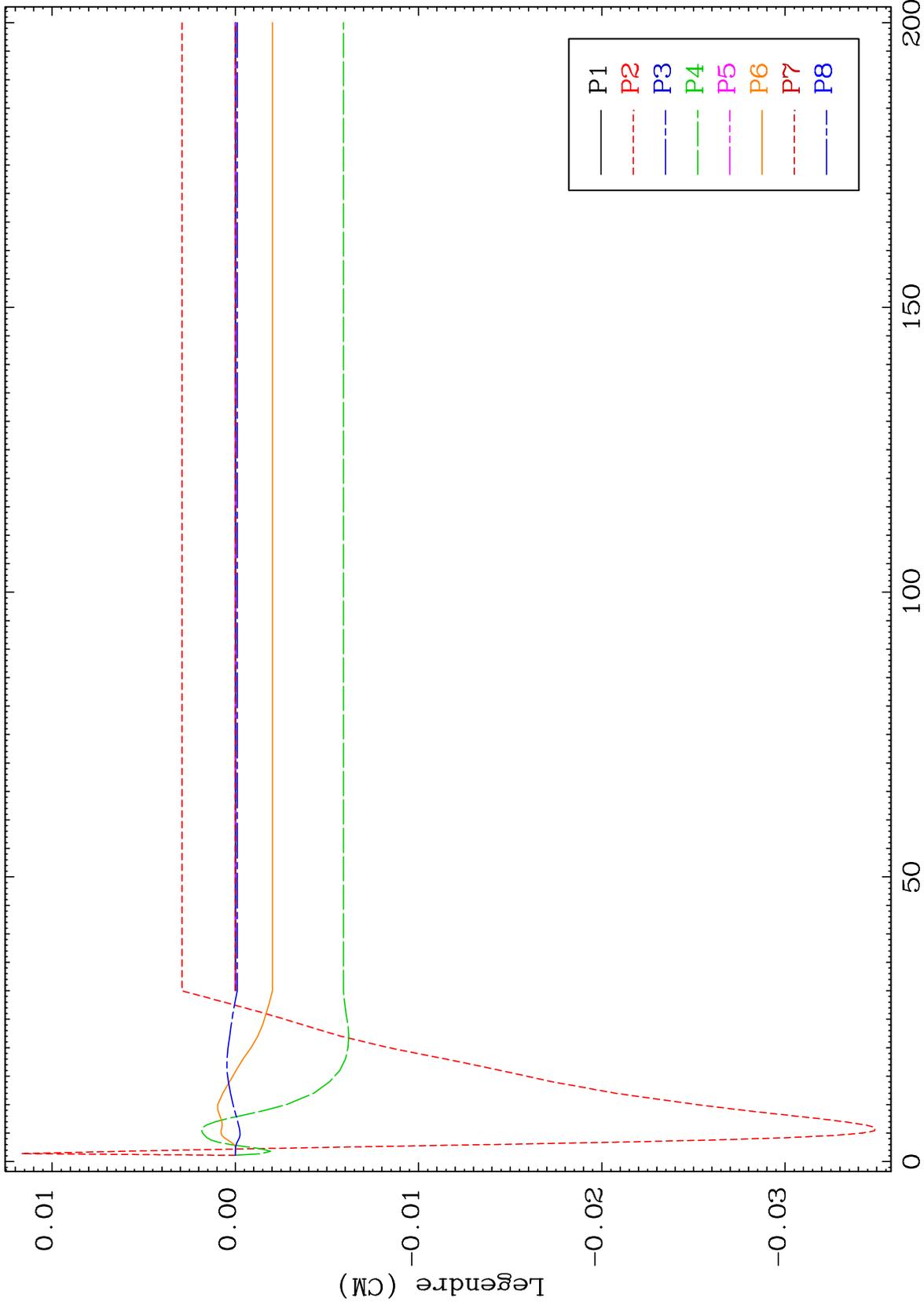
51-Sb-130



MAT 5152

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

51-Sb-130



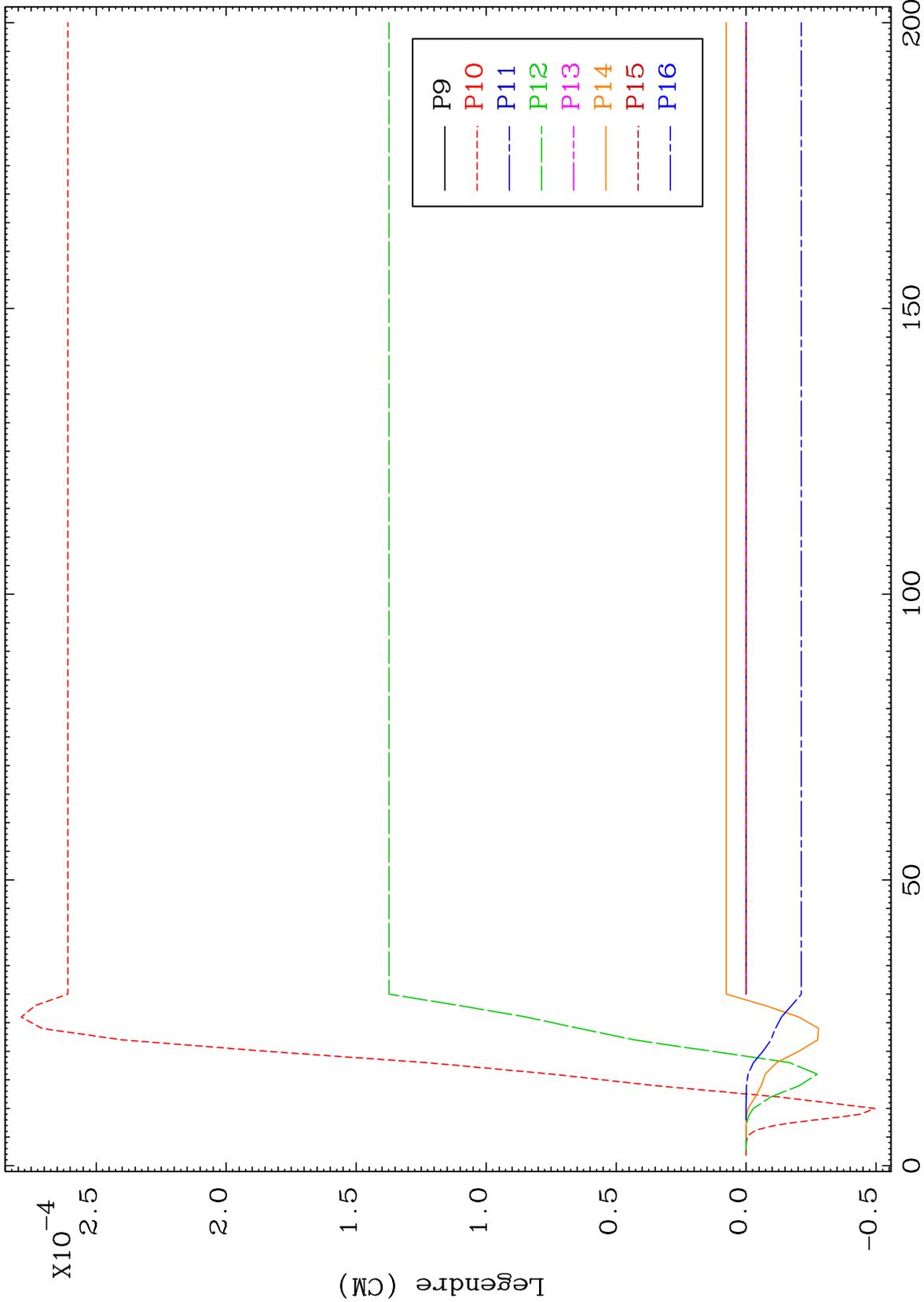
98

51-Sb-130

MAT 5152

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

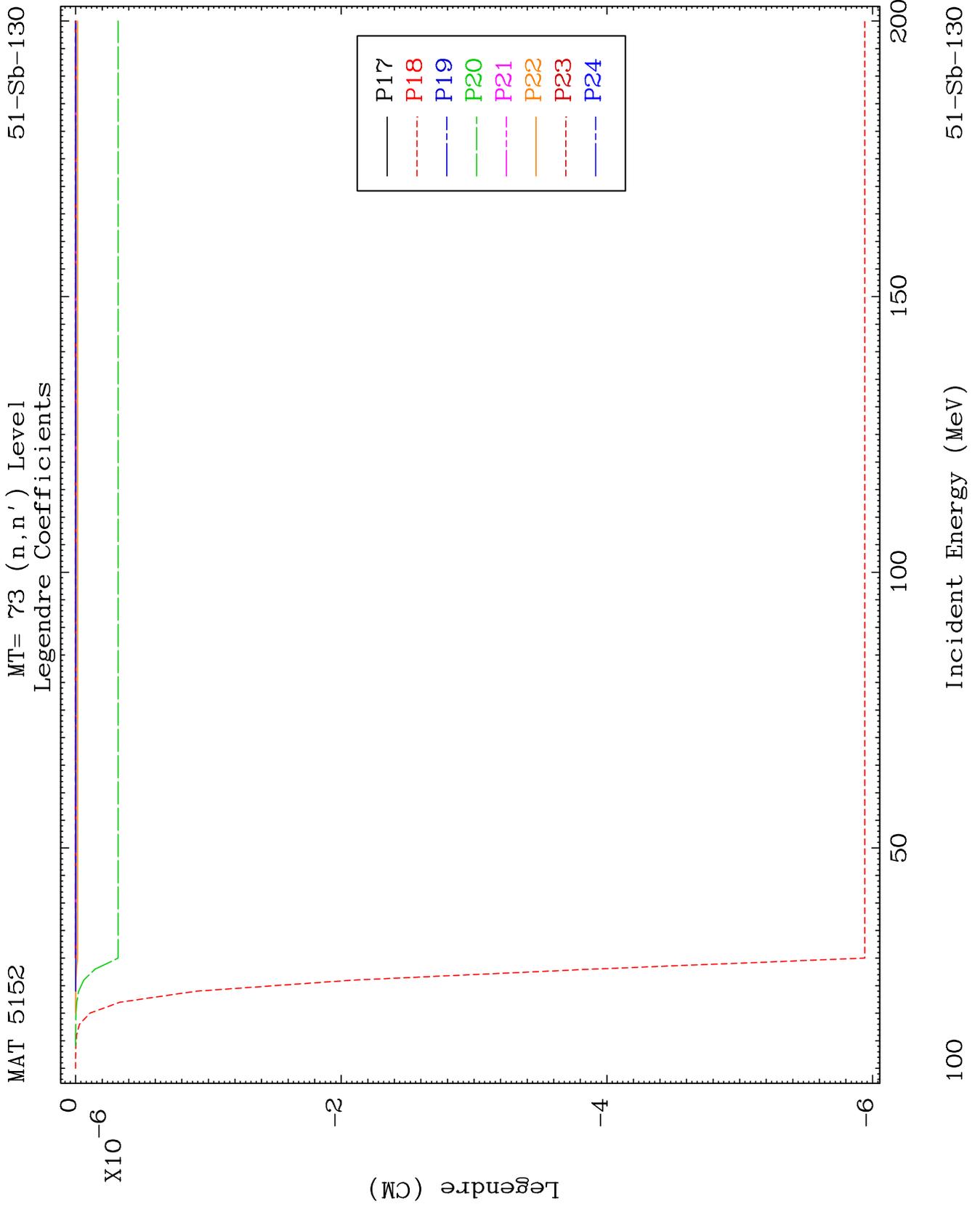
51-Sb-130



99

Incident Energy (MeV)

51-Sb-130

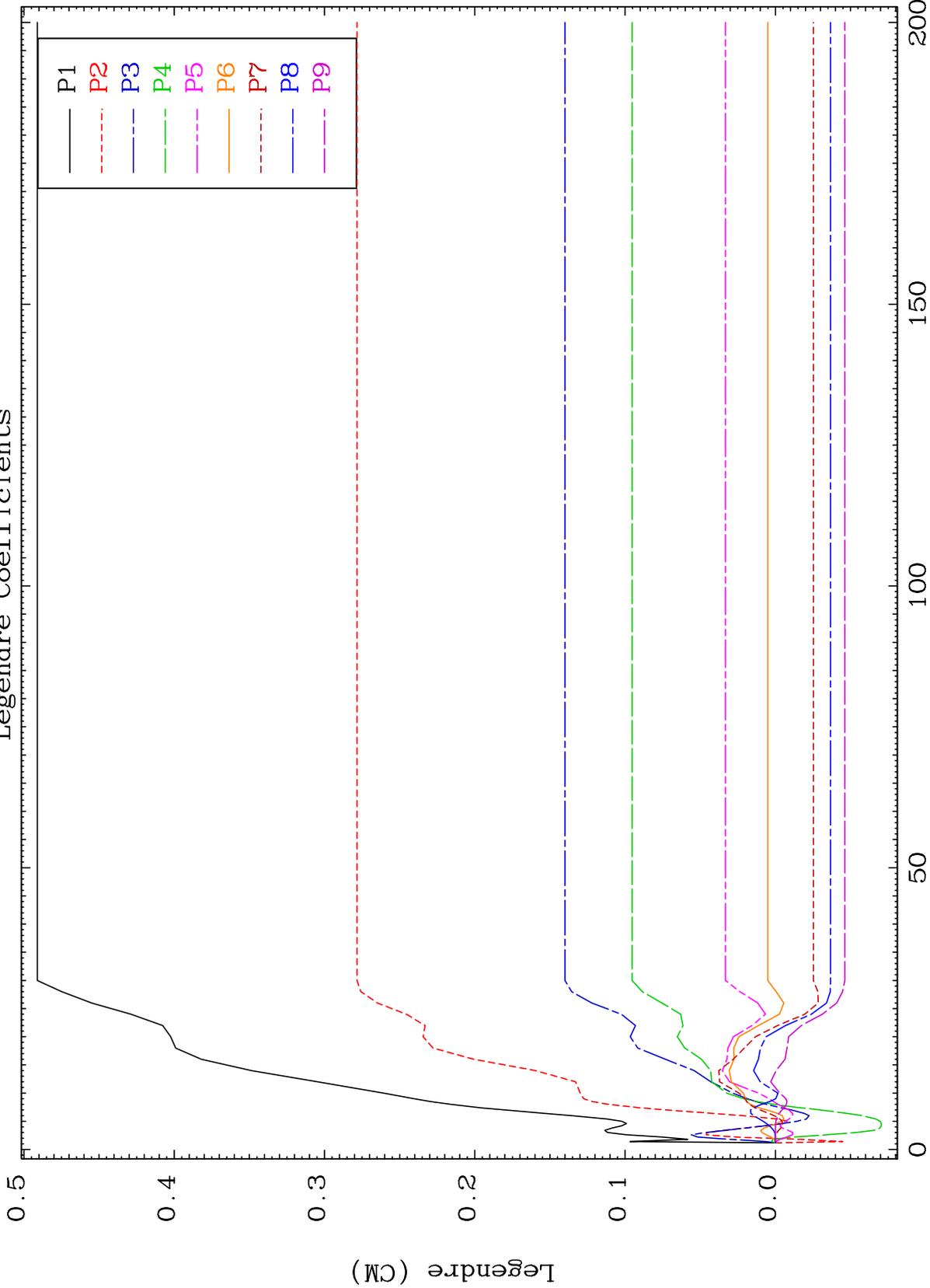


MAT 5152

MT= 74 (n,n') Level

51-Sb-130

Legendre Coefficients



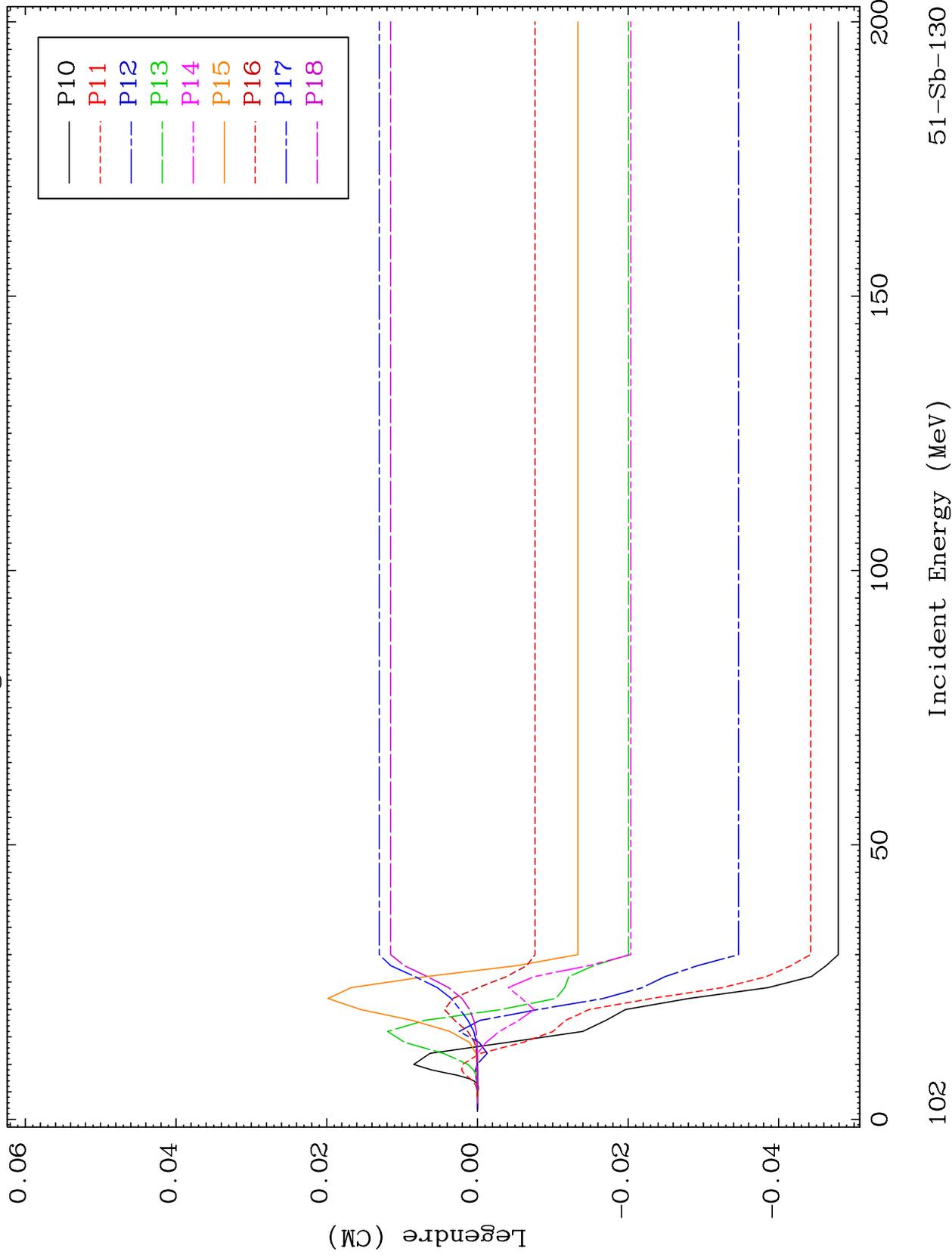
101

51-Sb-130

MAT 5152

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

51-Sb-130



51-Sb-130

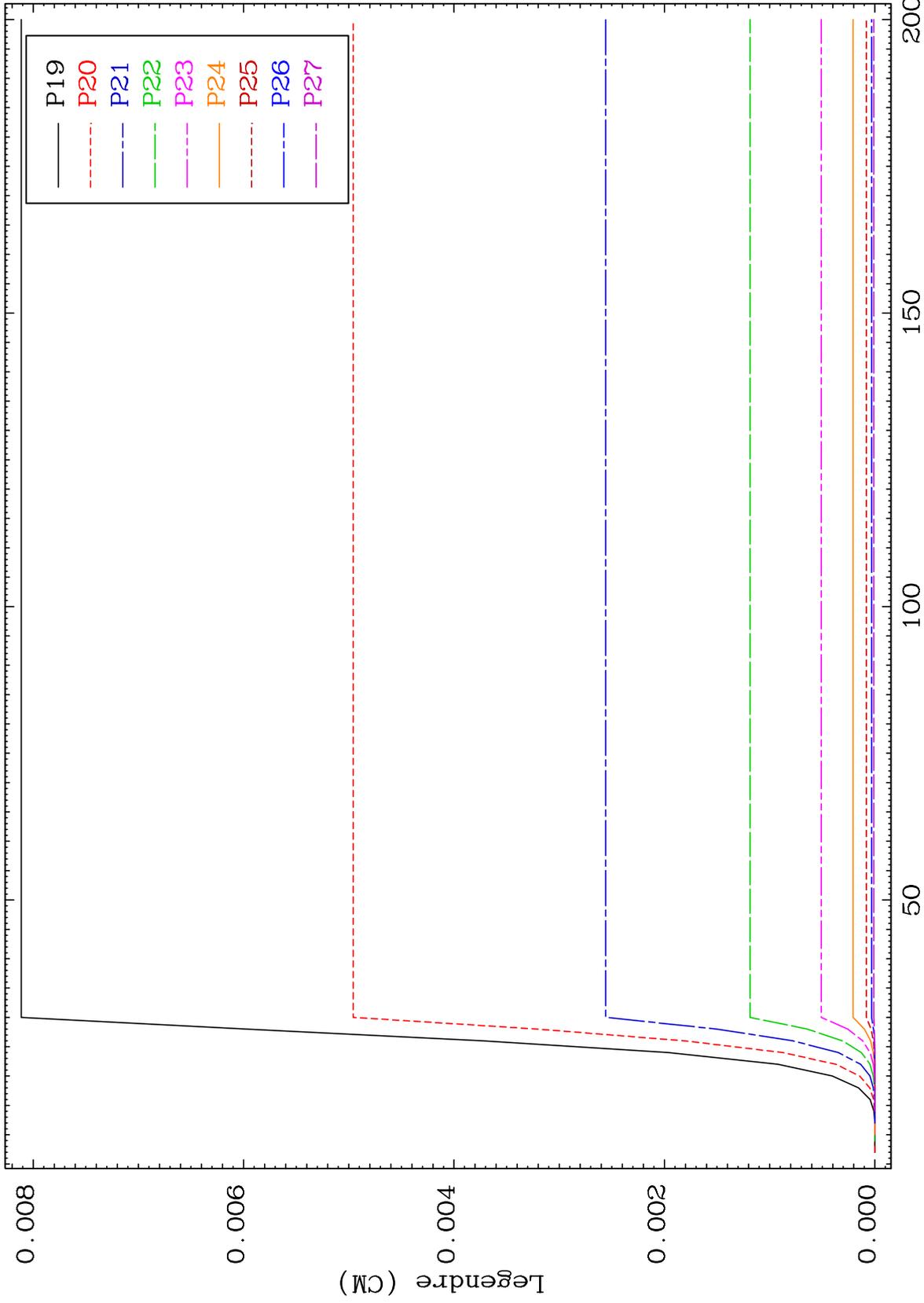
Incident Energy (MeV)

102

MAT 5152

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

51-Sb-130



103

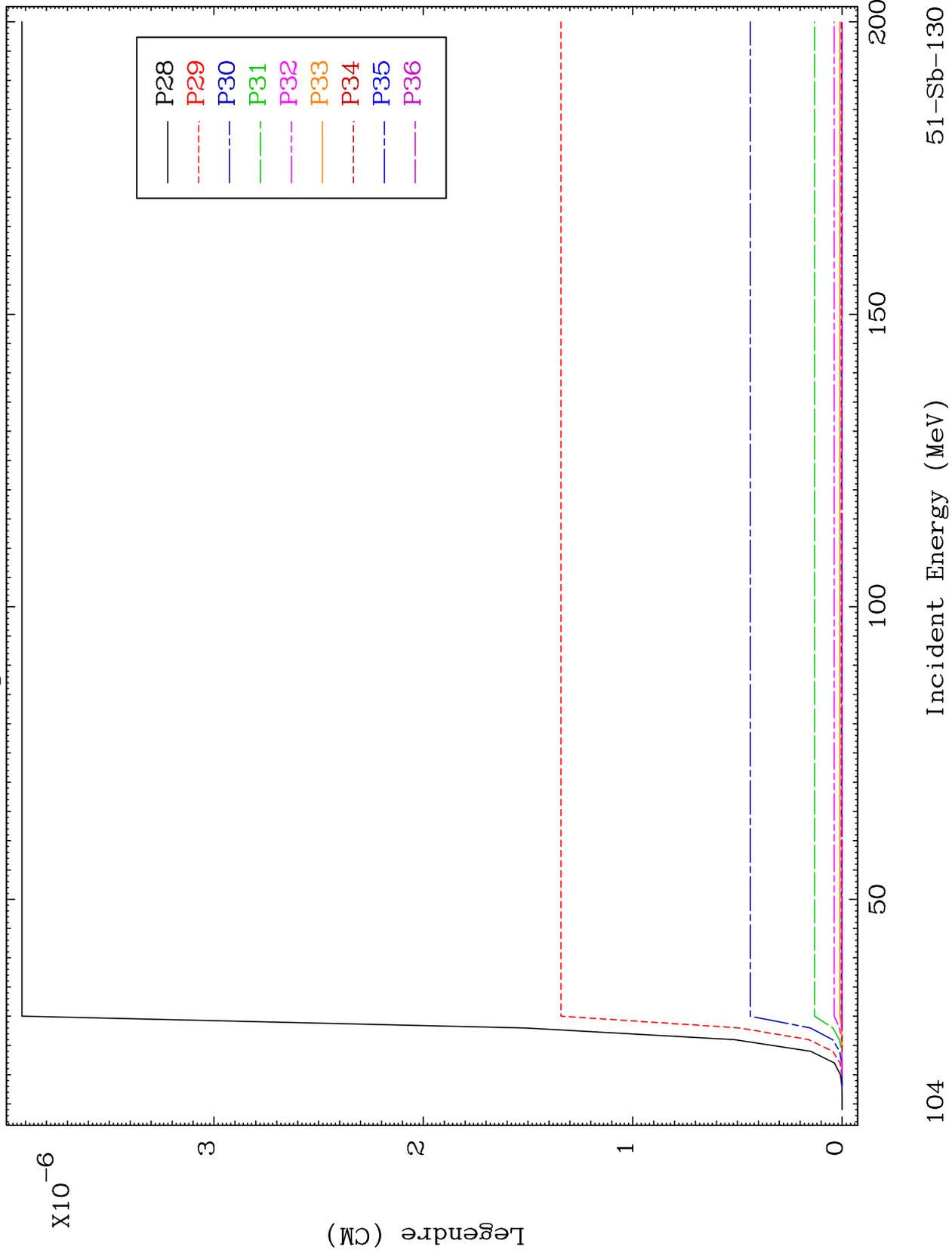
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

51-Sb-130



104

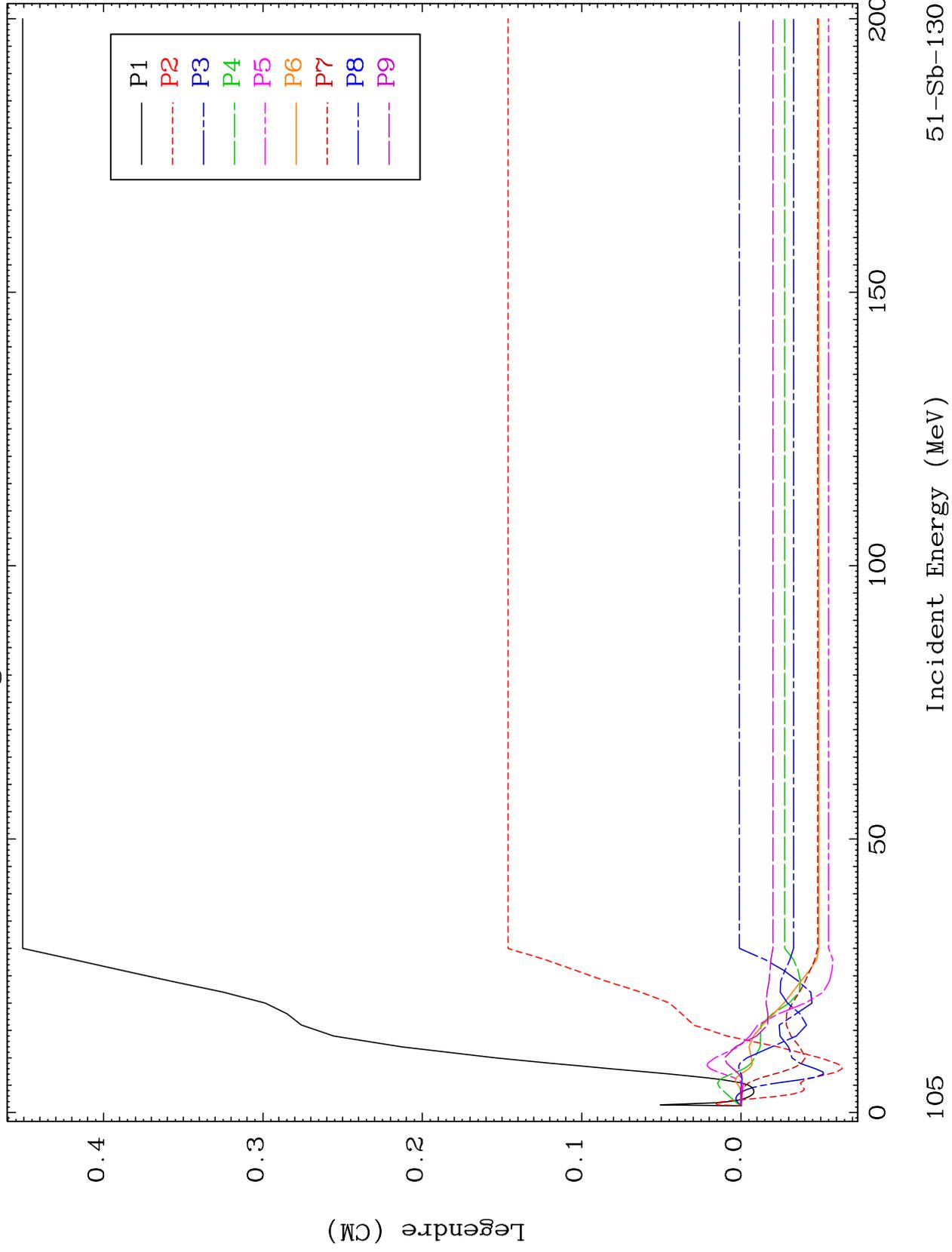
Incident Energy (MeV)

51-Sb-130

MAT 5152

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

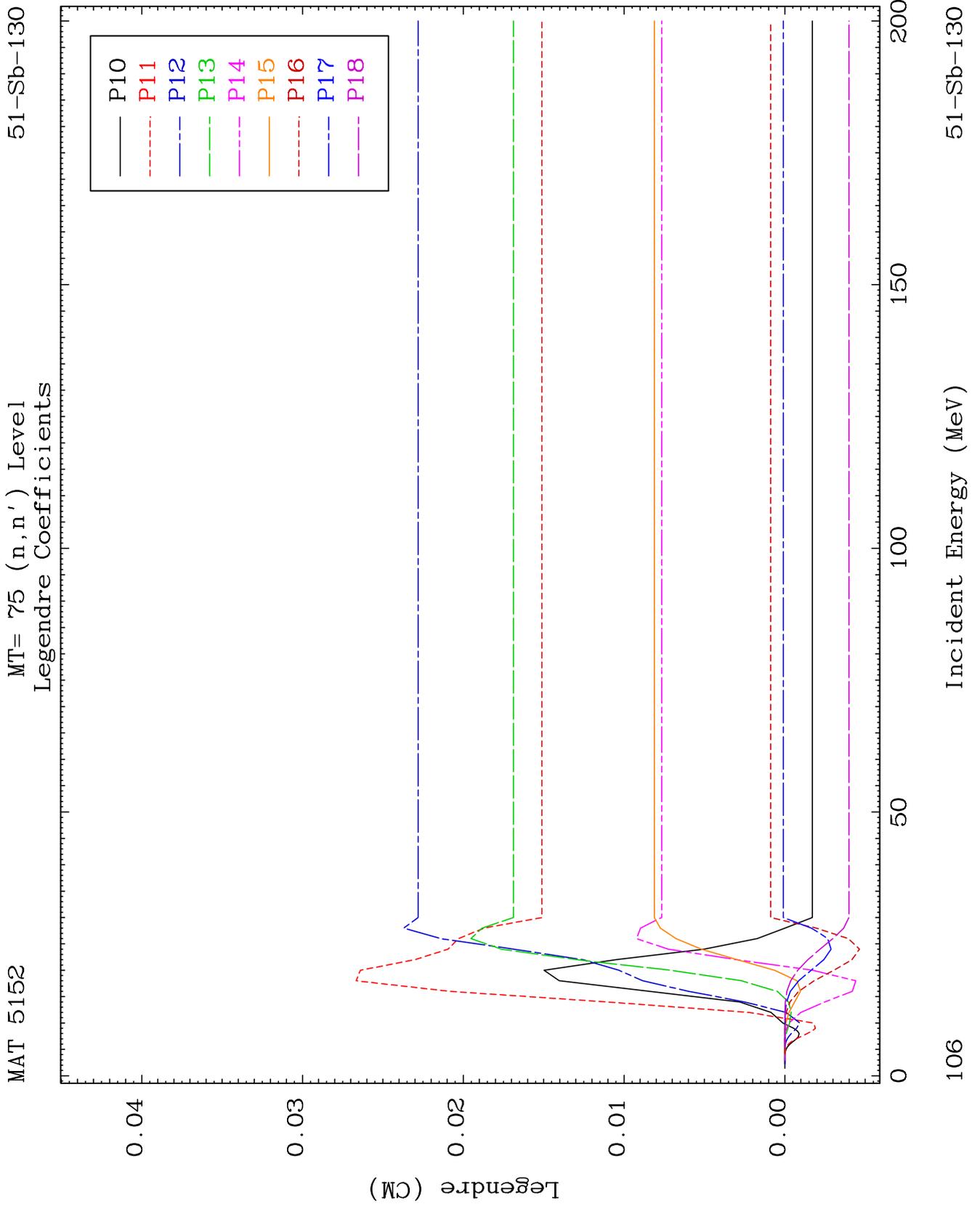
51-Sb-130



51-Sb-130

Incident Energy (MeV)

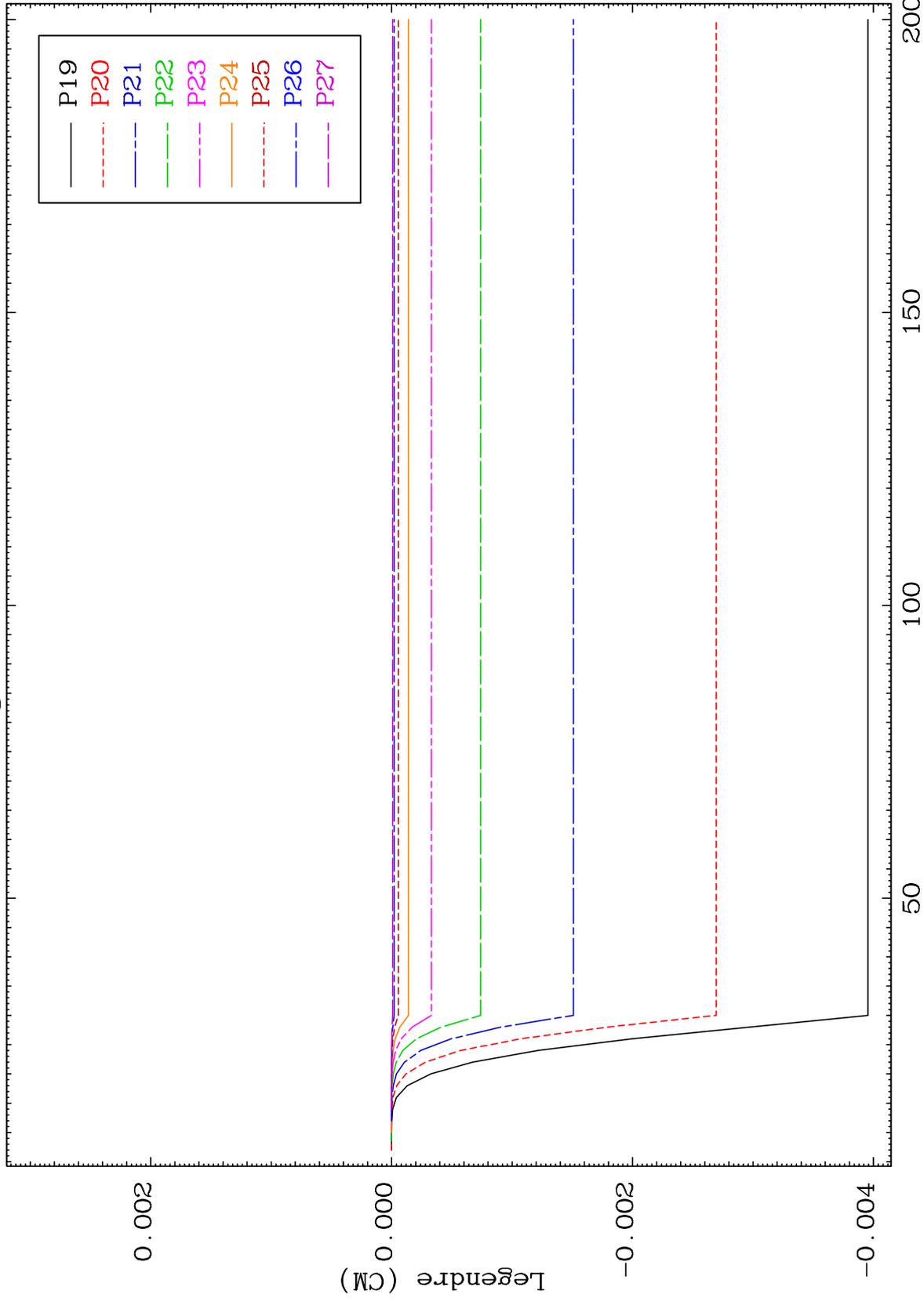
105



MAT 5152

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

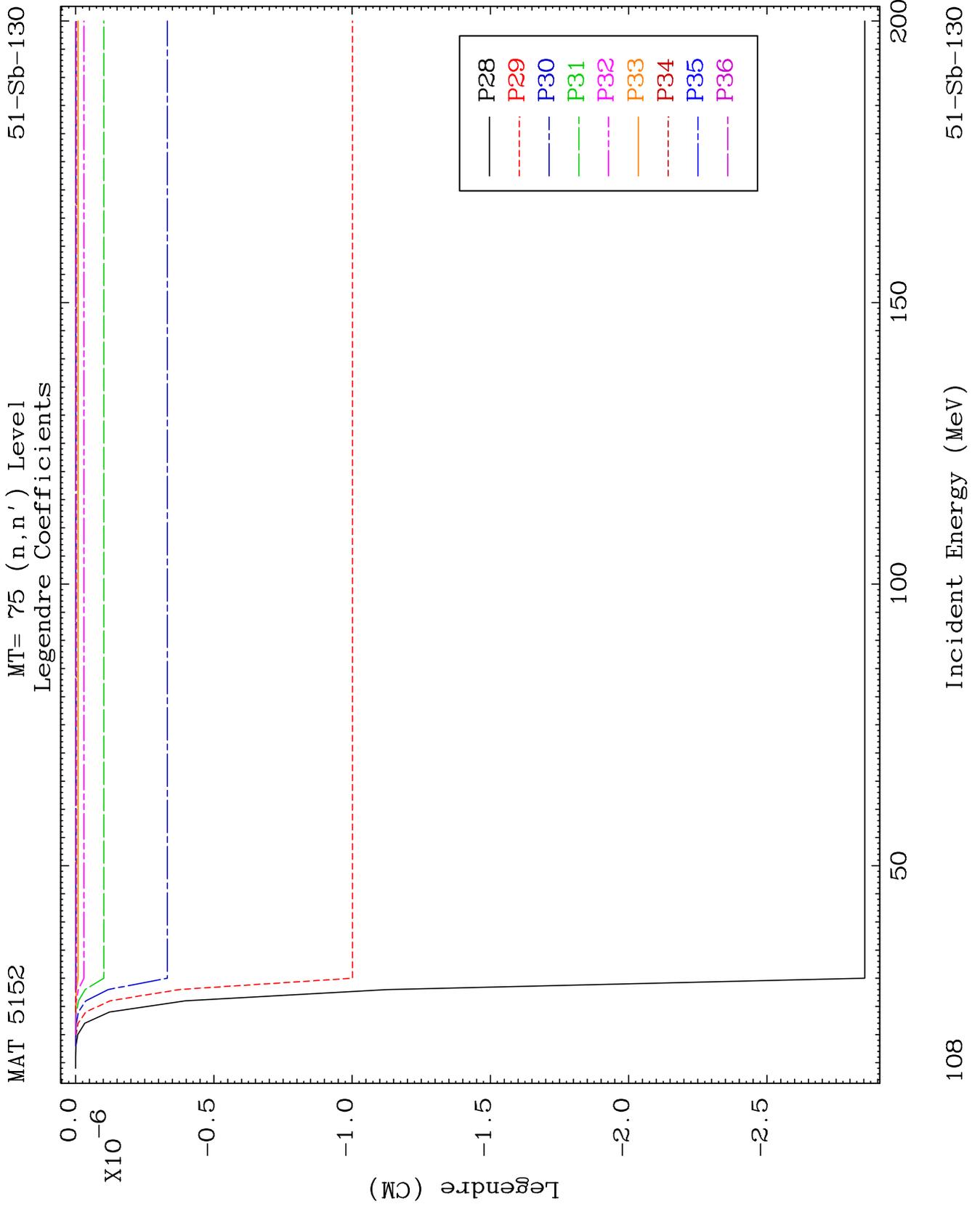
51-Sb-130



107

Incident Energy (MeV)

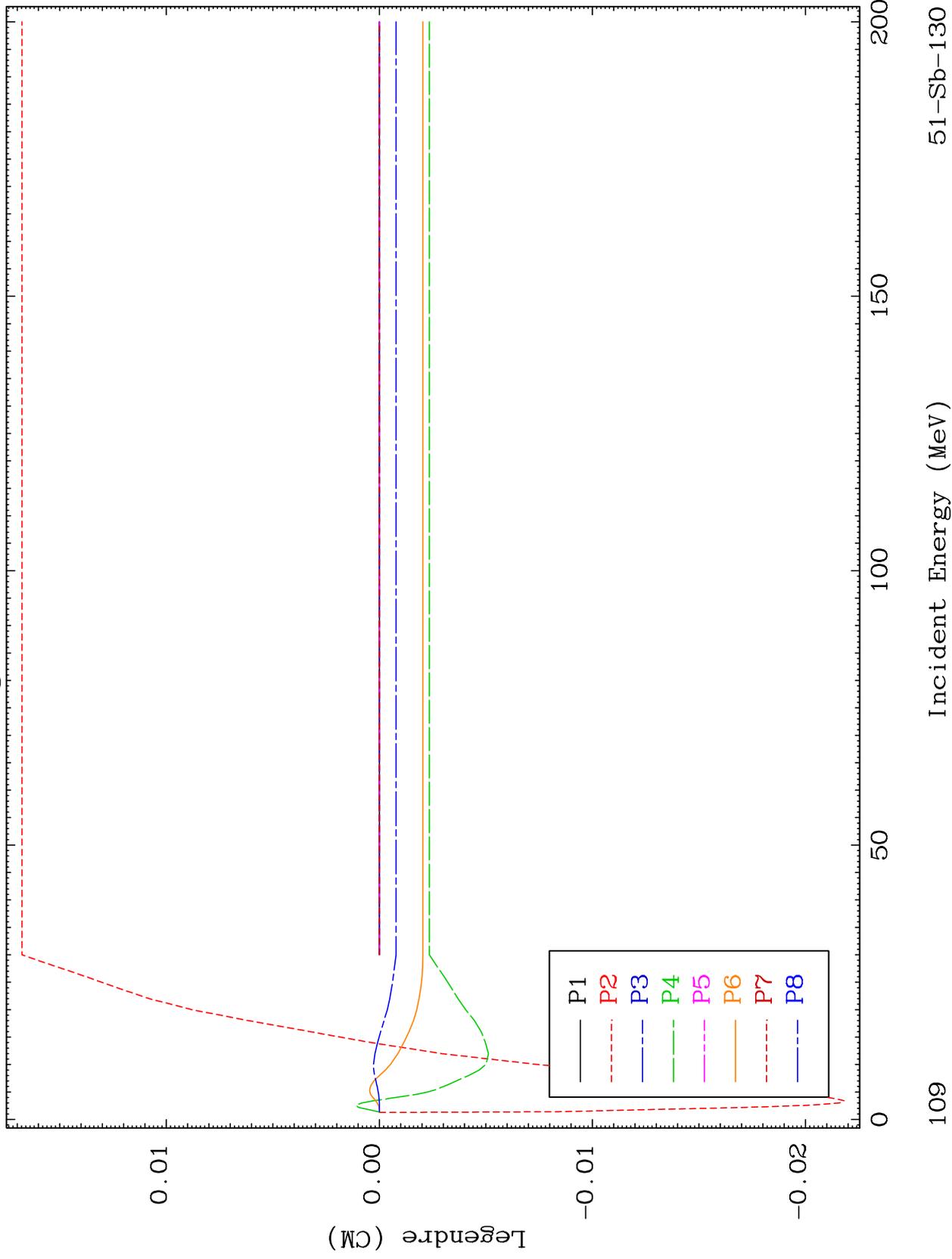
51-Sb-130



MAT 5152

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

51-Sb-130

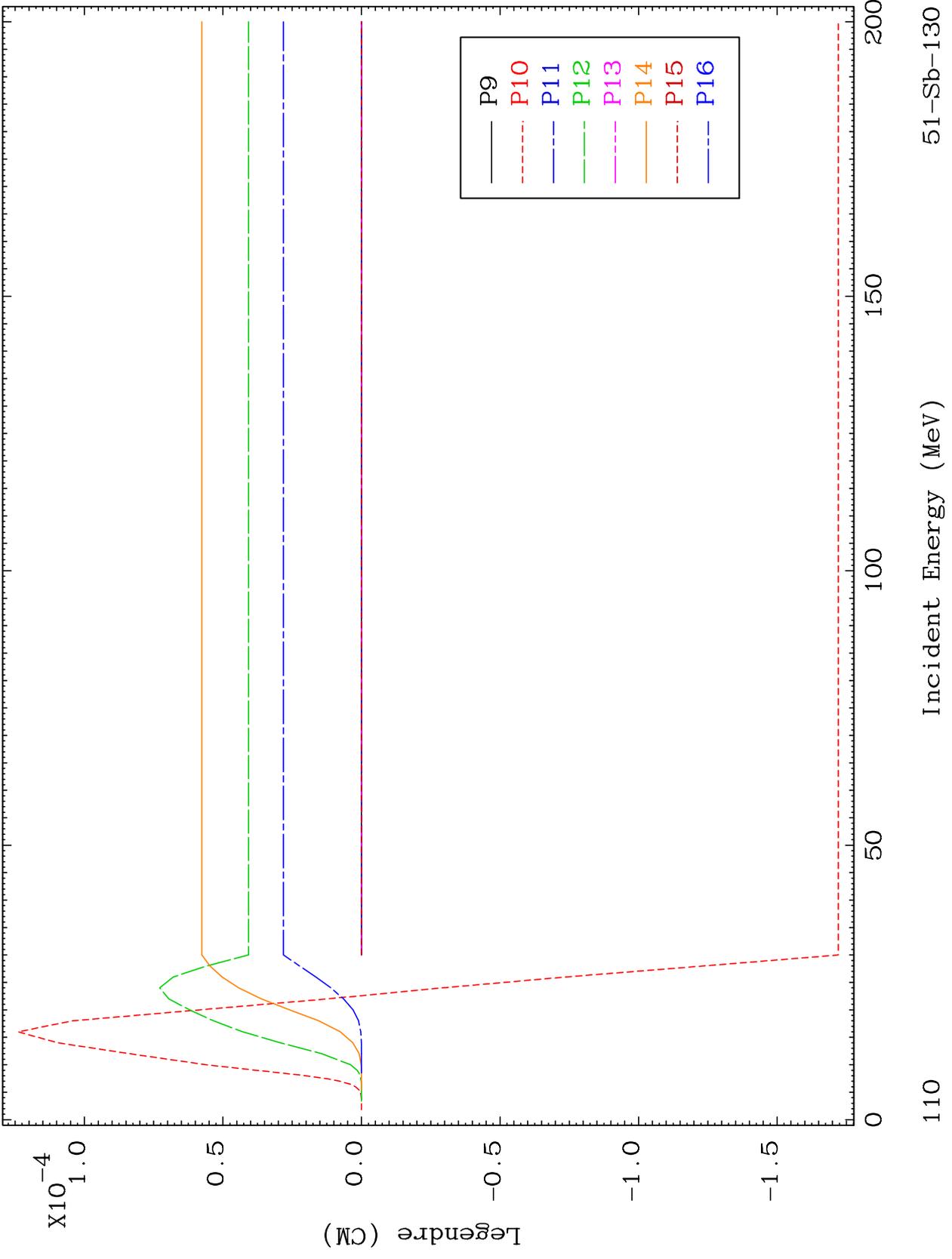


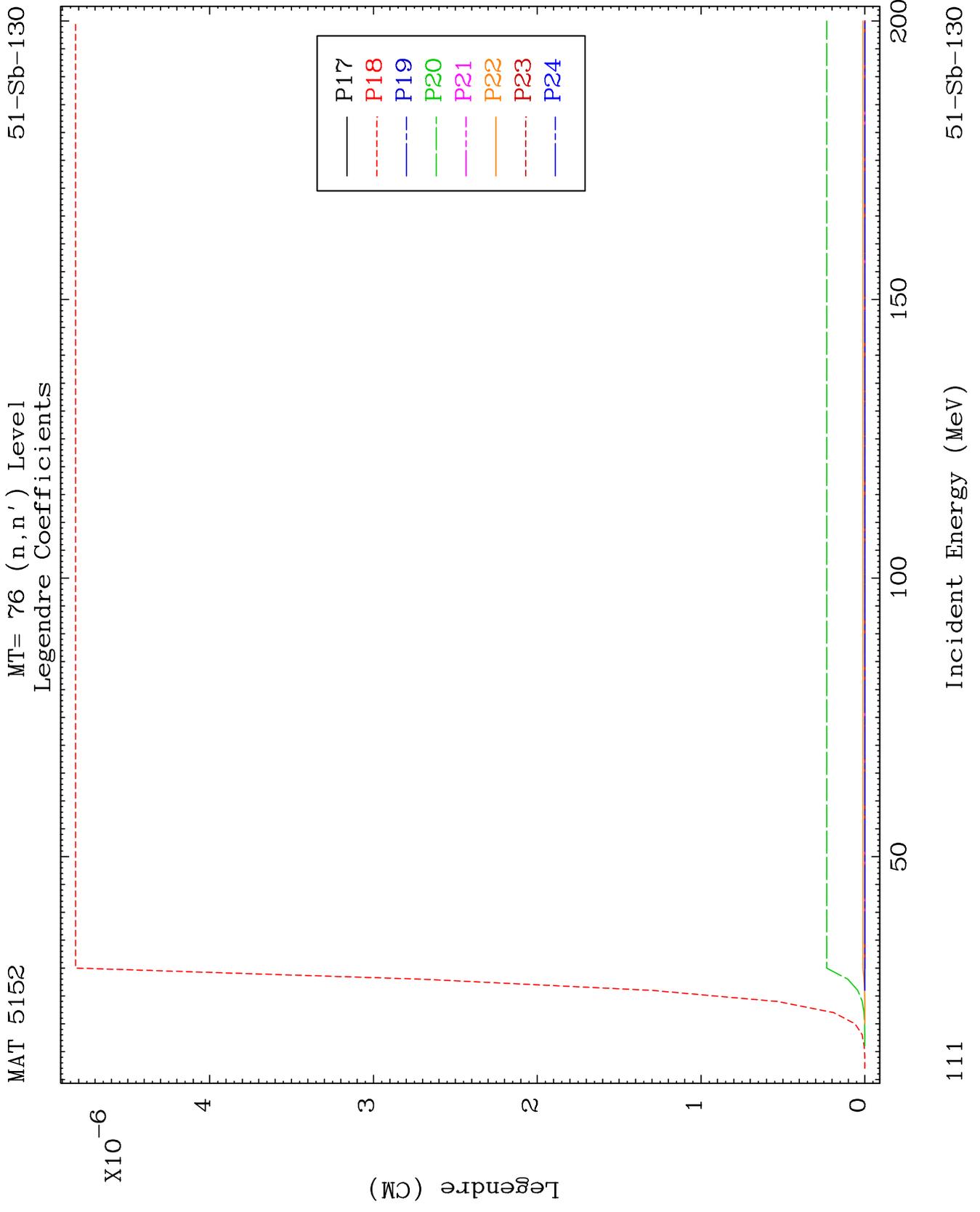
109

MAT 5152

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

51-Sb-130

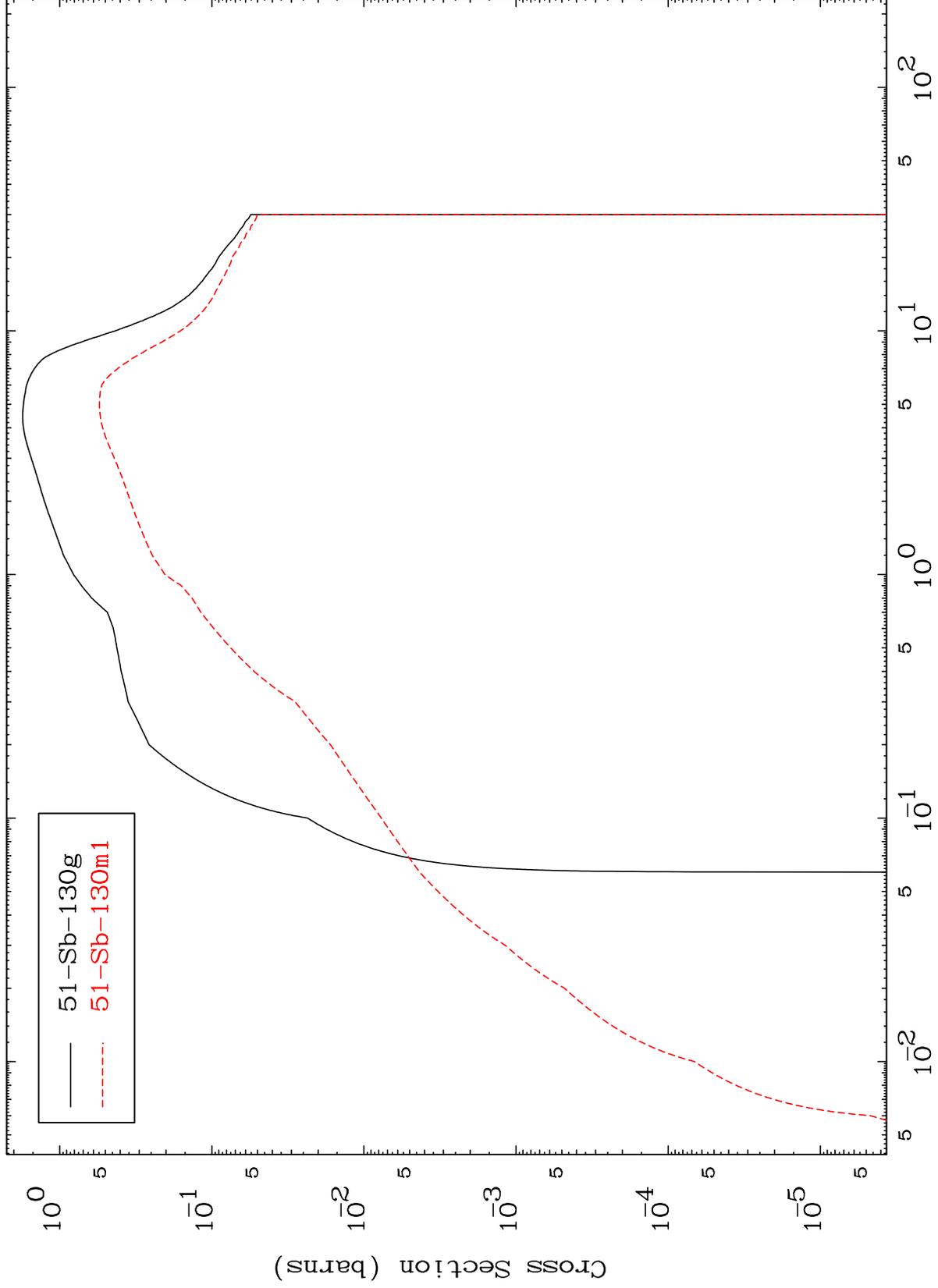




MAT 5152

51-Sb-130

Inelastic
Radionuclide Production Cross Section



51-Sb-130

Incident Energy (MeV)

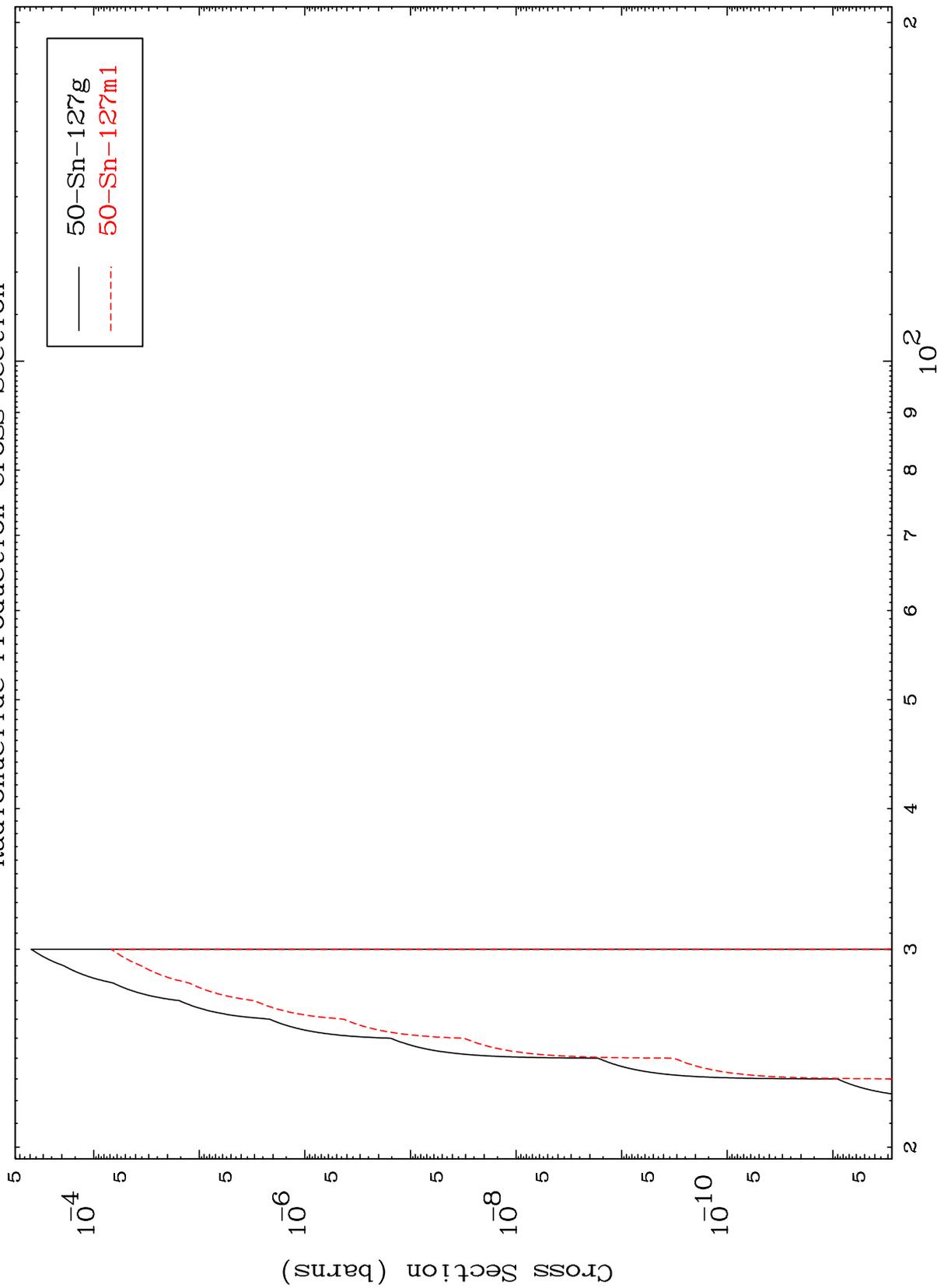
112

MAT 5152

(n,2n) d

51-Sb-130

Radionuclide Production Cross Section



113

Incident Energy (MeV)

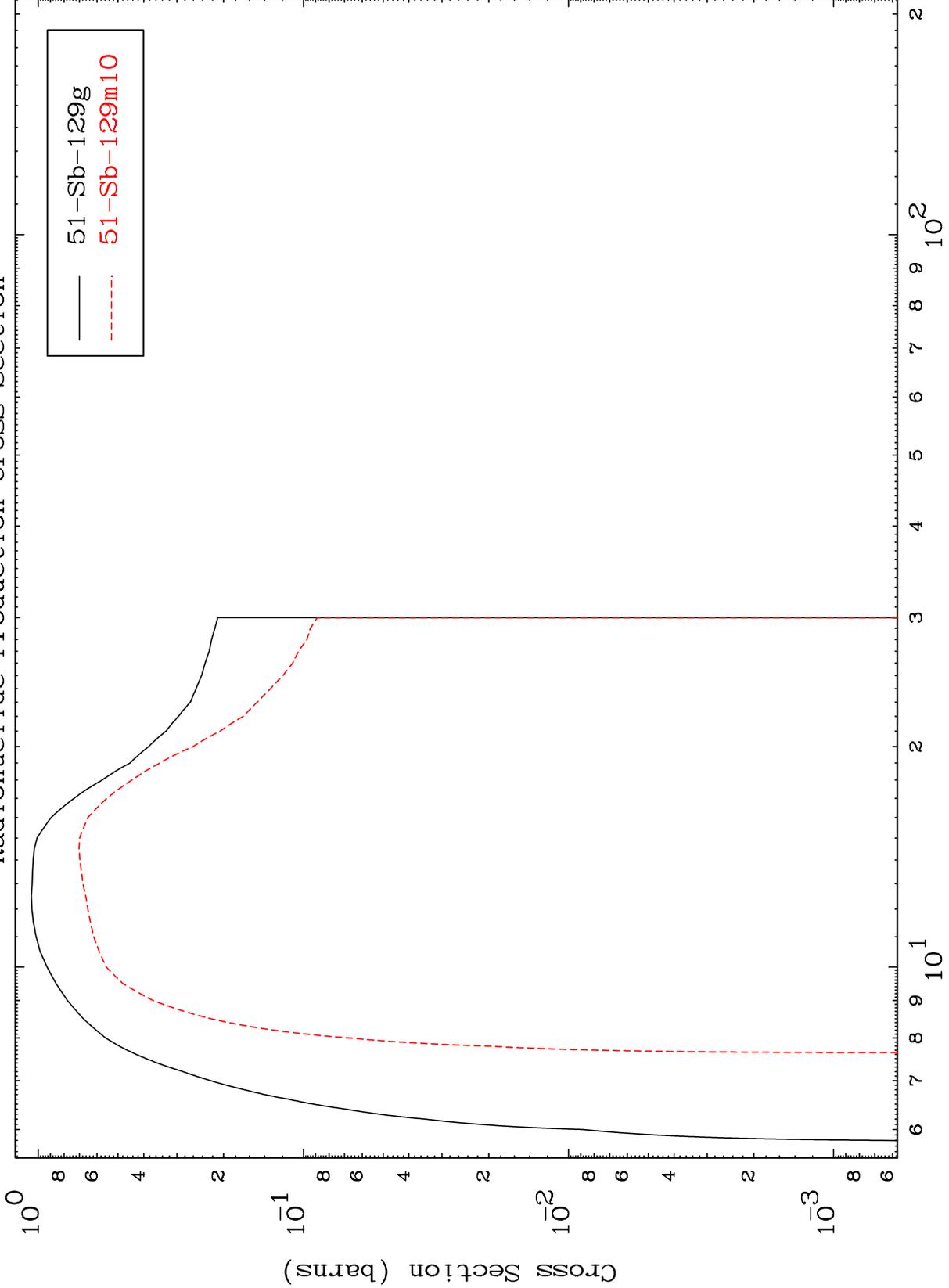
51-Sb-130

MAT 5152

(n,2n)

51-Sb-130

Radionuclide Production Cross Section



51-Sb-129g
51-Sb-129m10

114

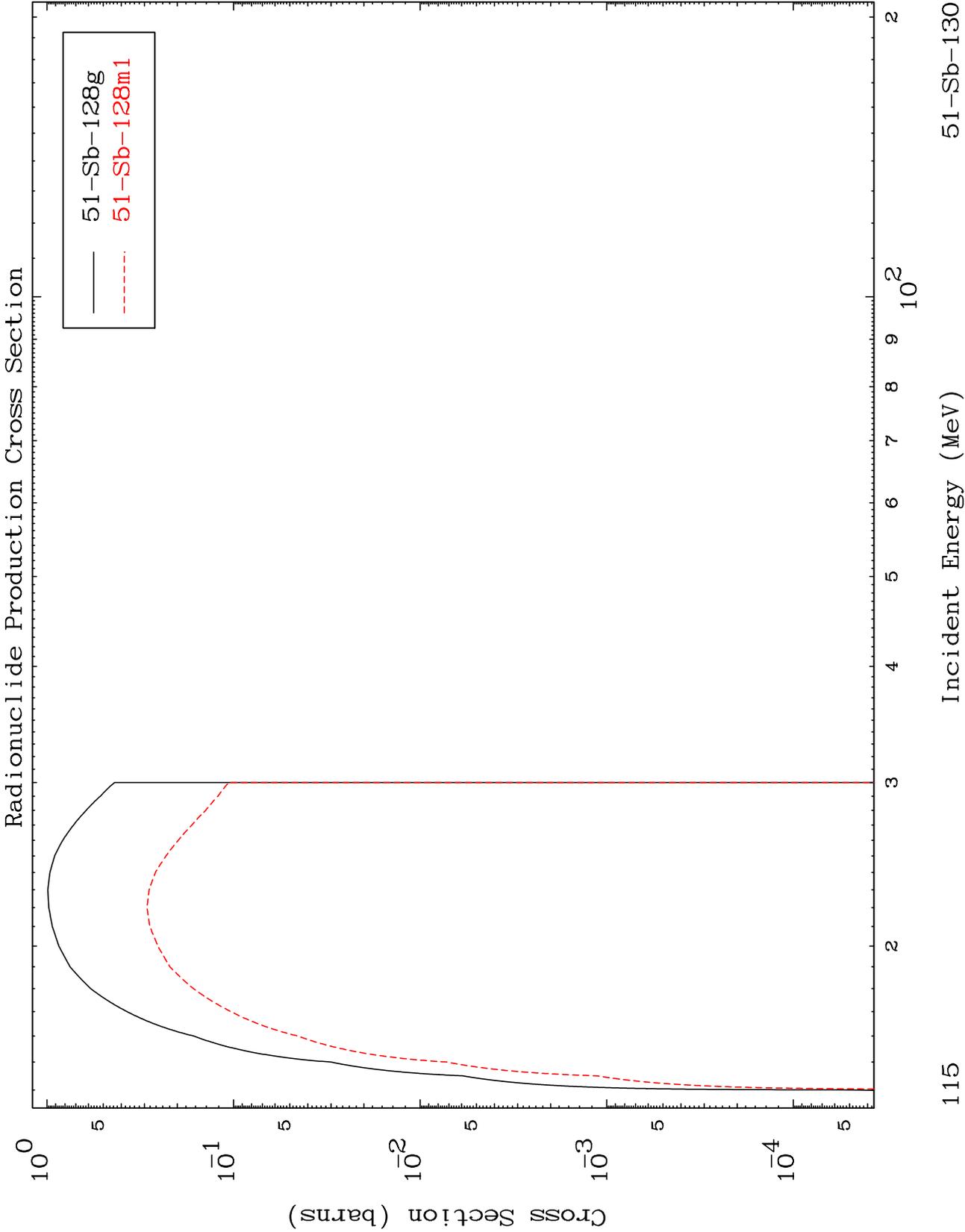
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,3n)

51-Sb-130



115

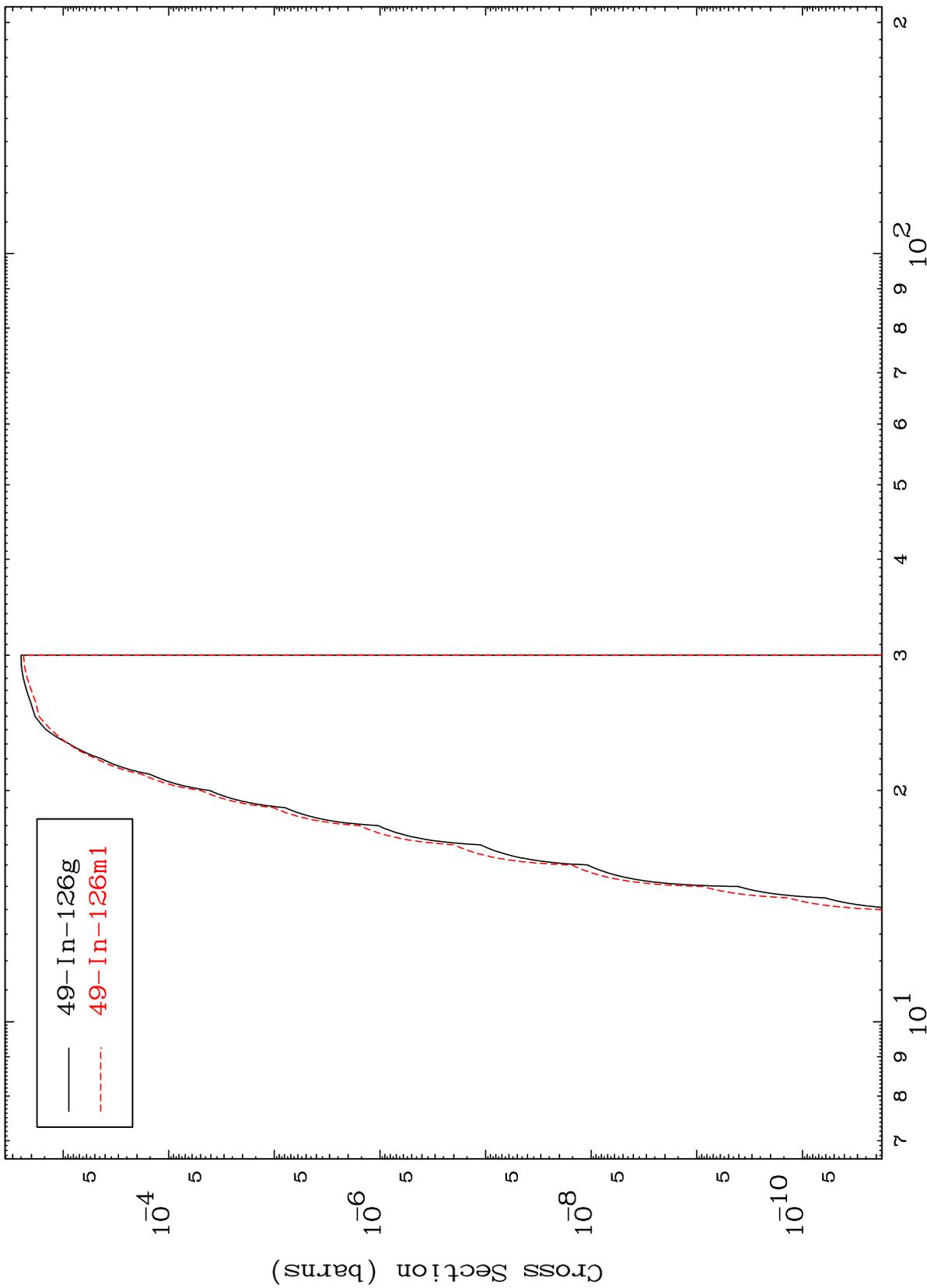
Incident Energy (MeV)

51-Sb-130

MAT 5152

51-Sb-130

(n,n') α
Radionuclide Production Cross Section

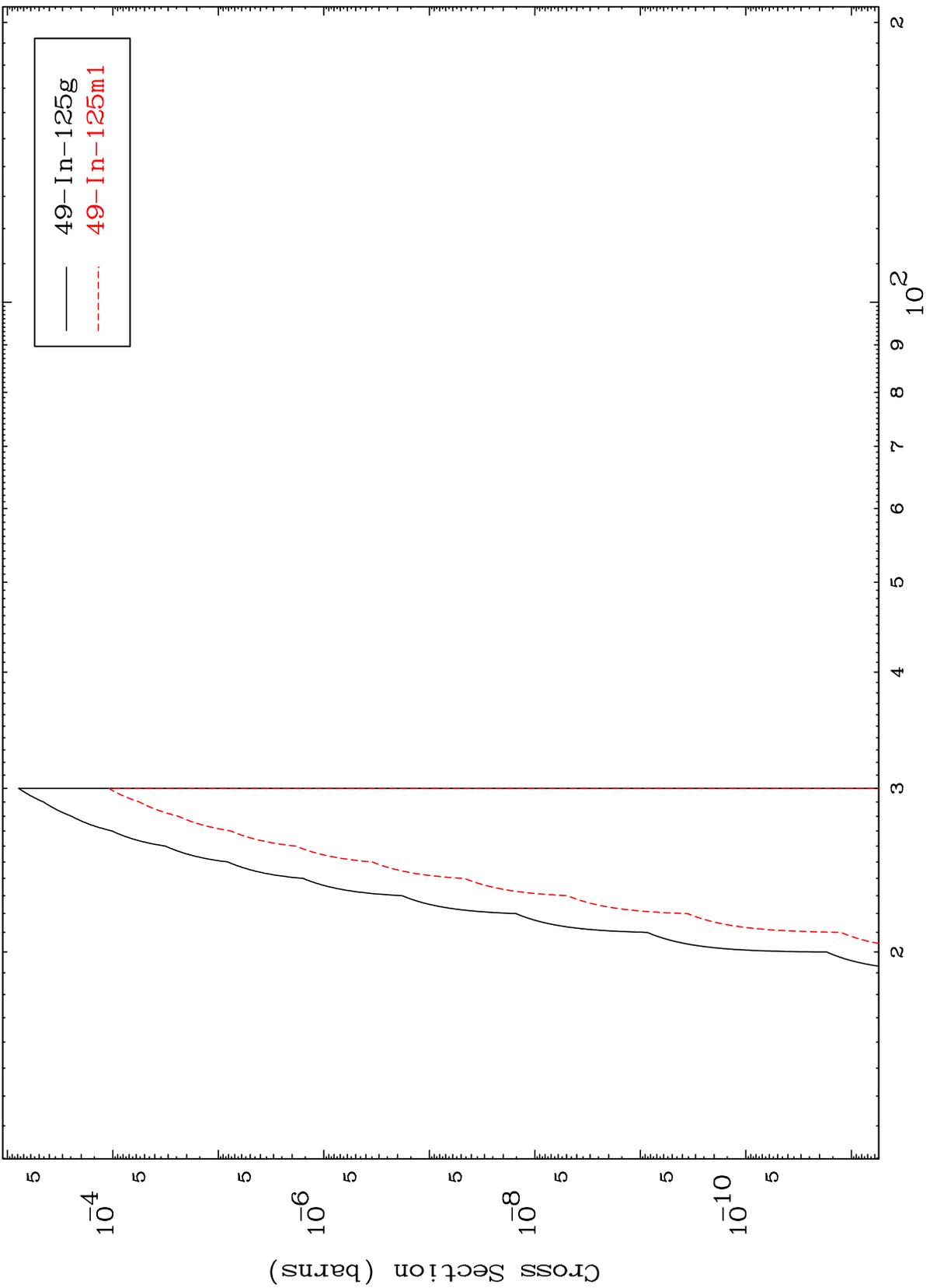


116

51-Sb-130

Incident Energy (MeV)

Radionuclide Production Cross Section

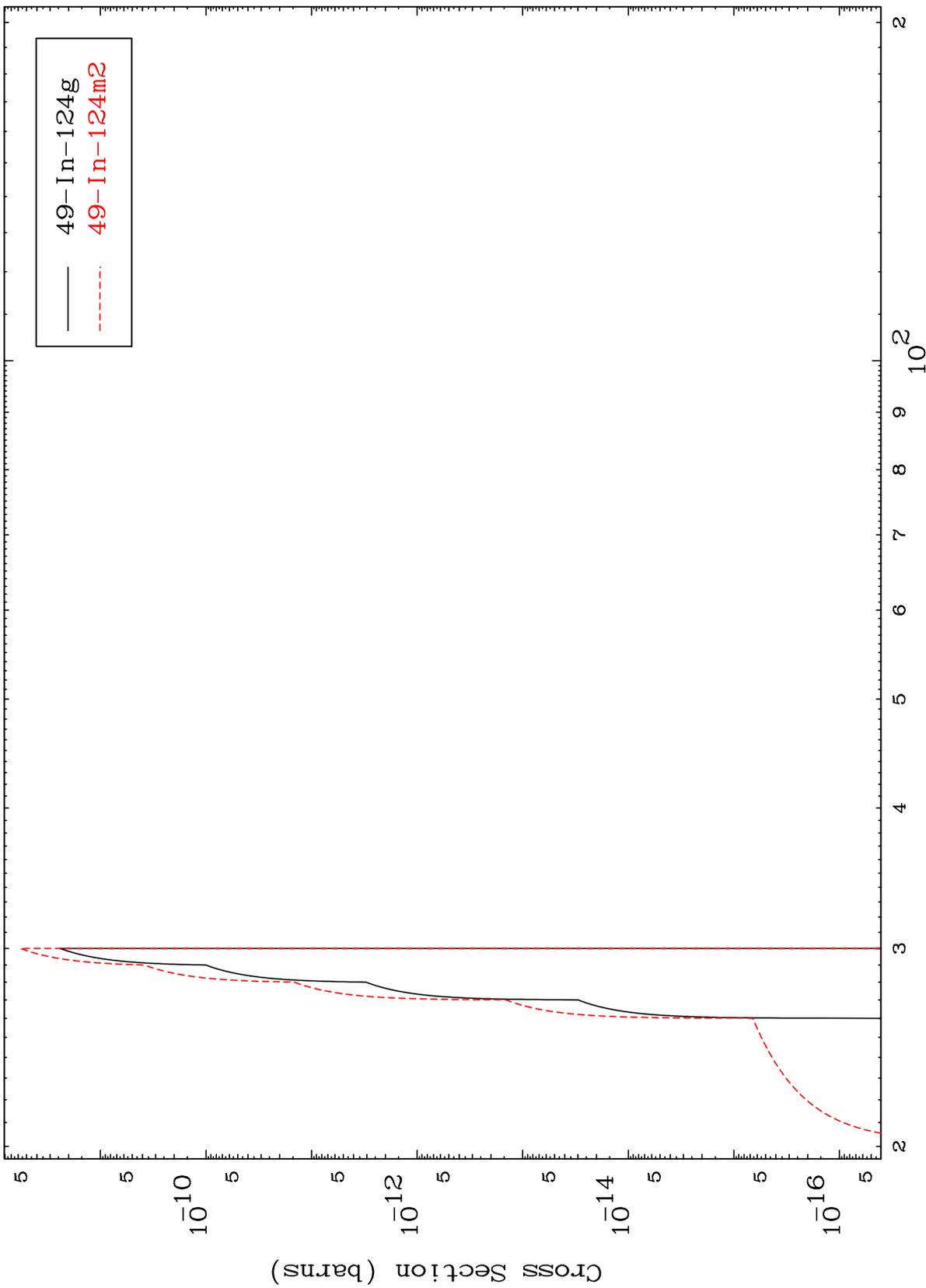


MAT 5152

(n,3n) α

51-Sb-130

Radionuclide Production Cross Section



118

Incident Energy (MeV)

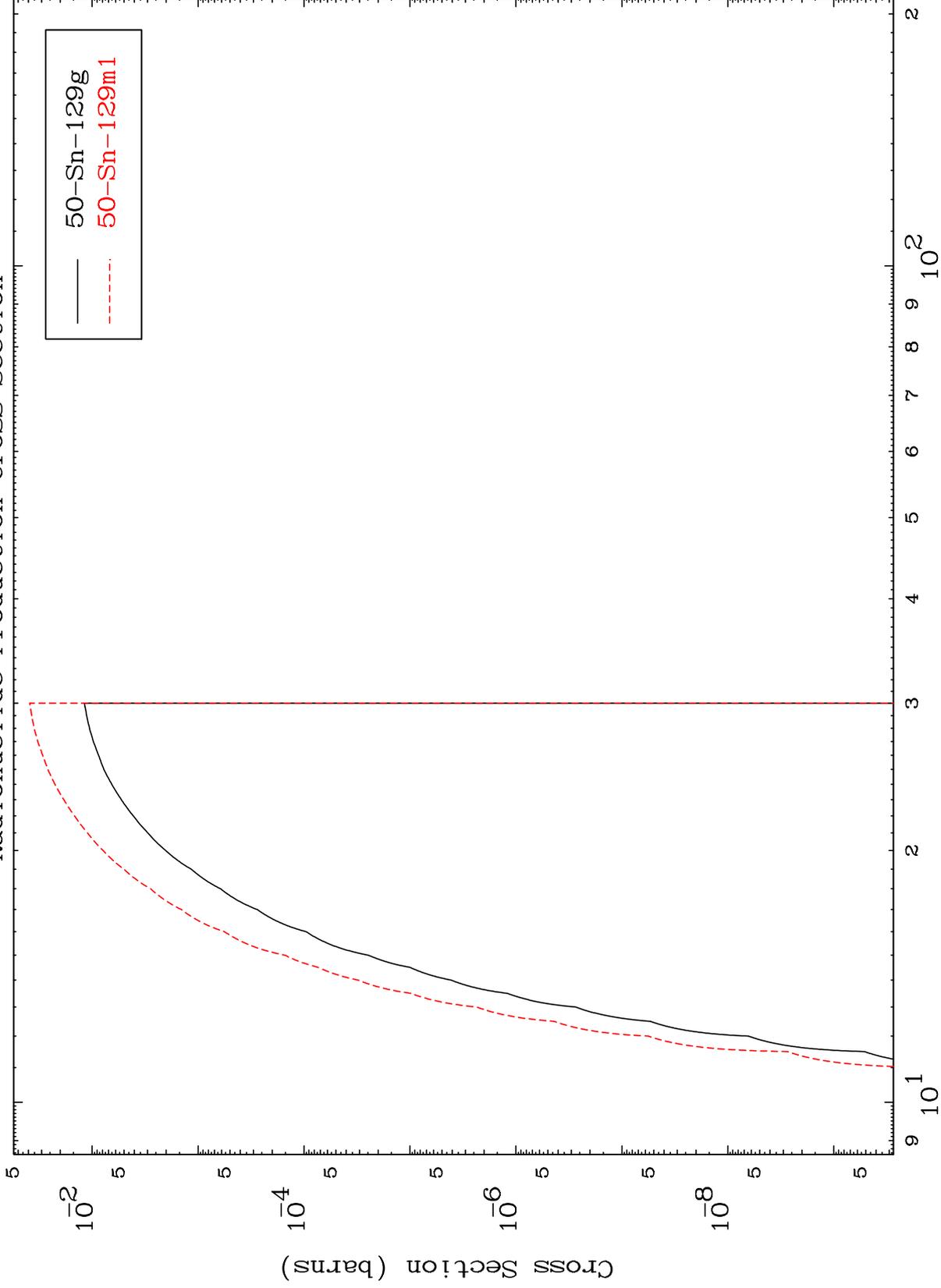
51-Sb-130

MAT 5152

(n,n') p

51-Sb-130

Radionuclide Production Cross Section



119

Incident Energy (MeV)

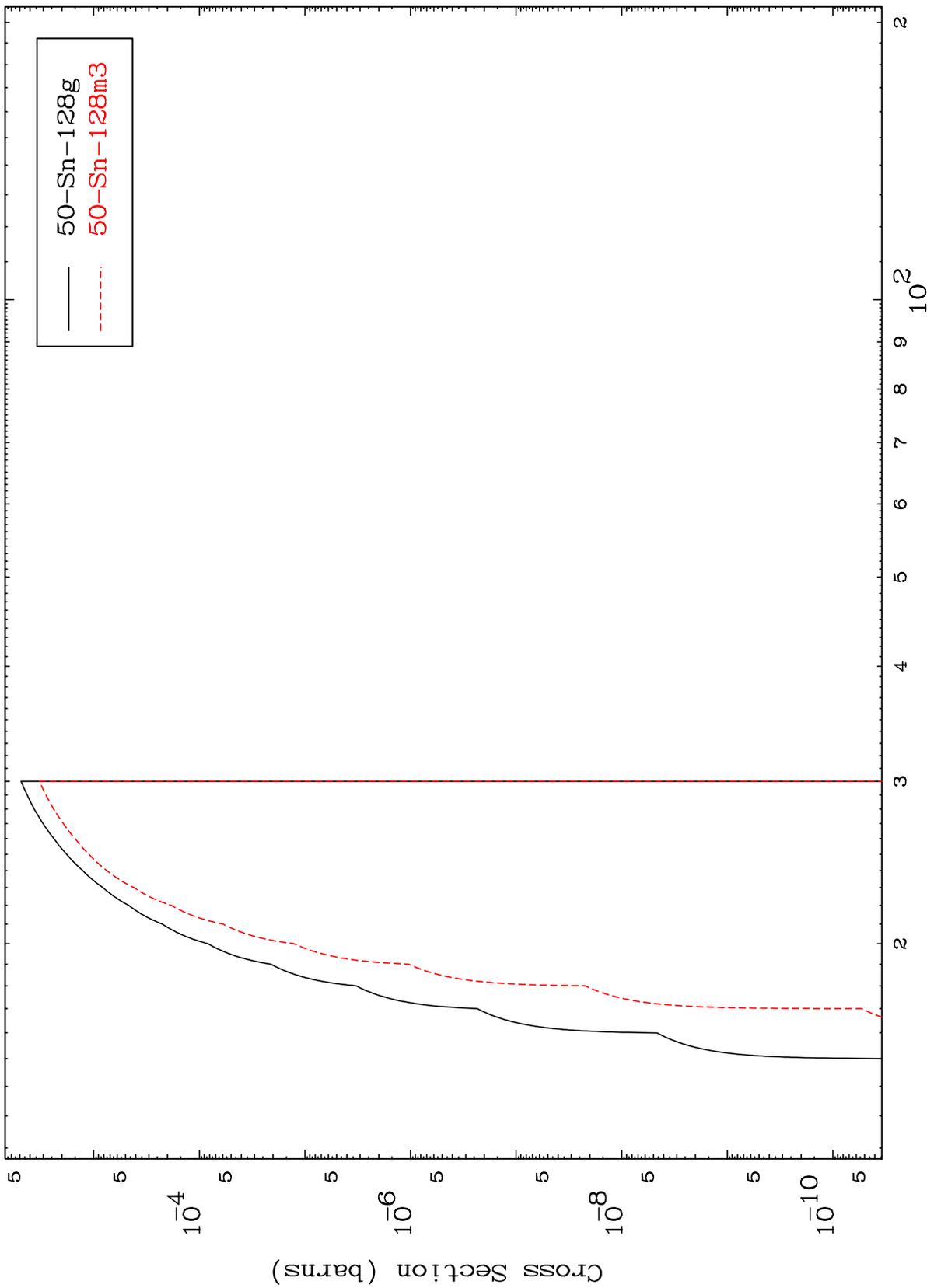
51-Sb-130

MAT 5152

(n,n') d

51-Sb-130

Radionuclide Production Cross Section



120

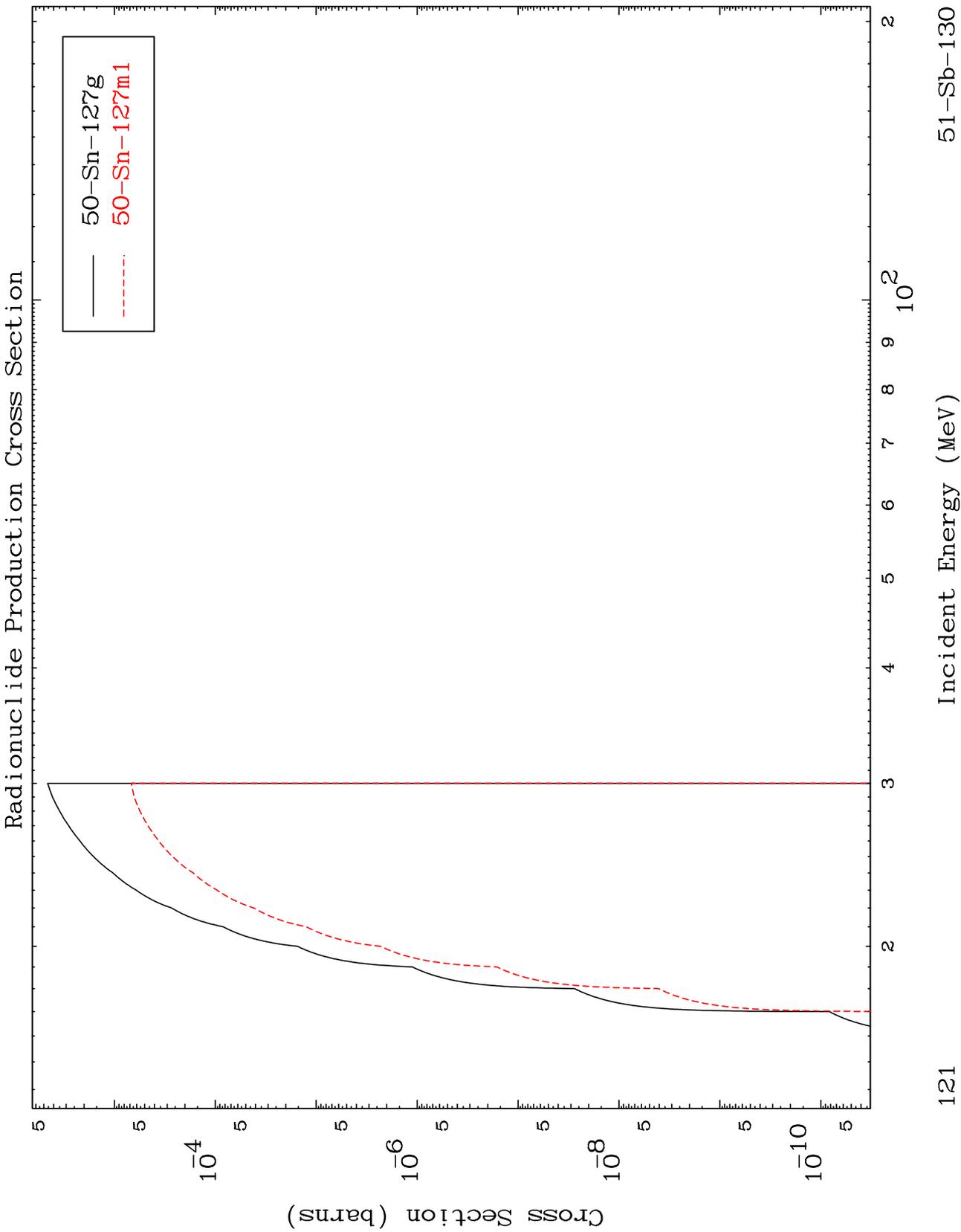
Incident Energy (MeV)

51-Sb-130

MAT 5152

(n,n') t

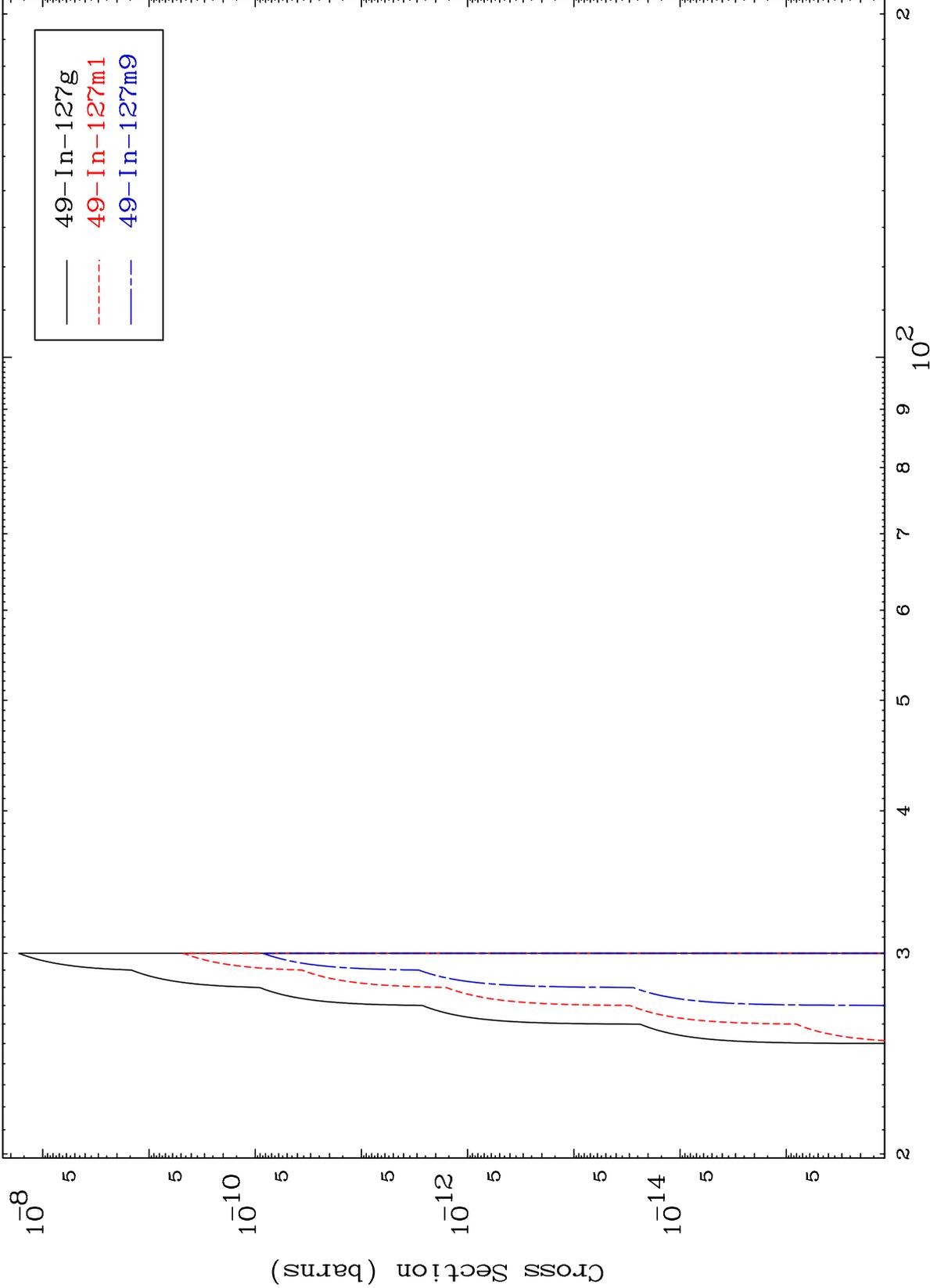
51-Sb-130

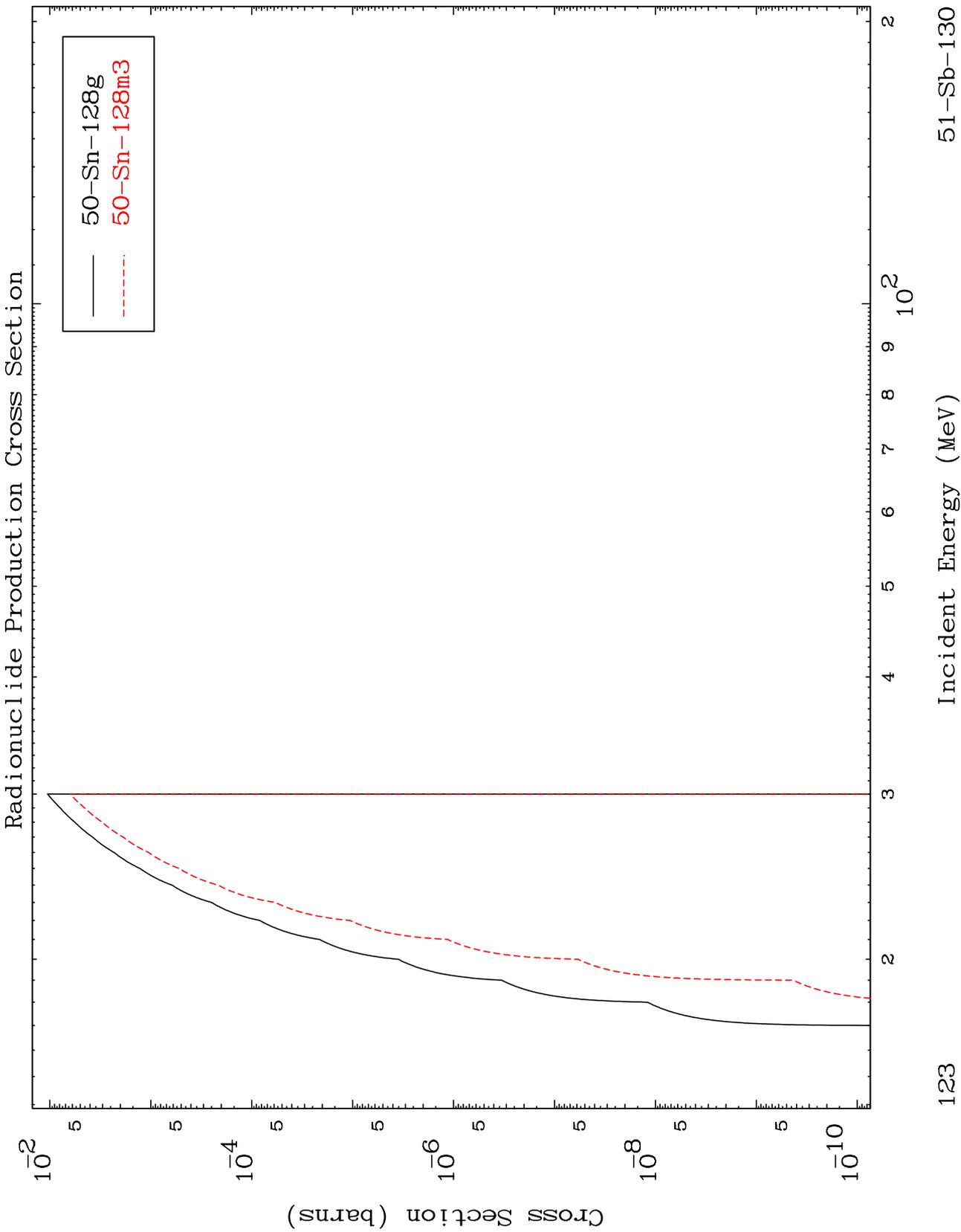


121

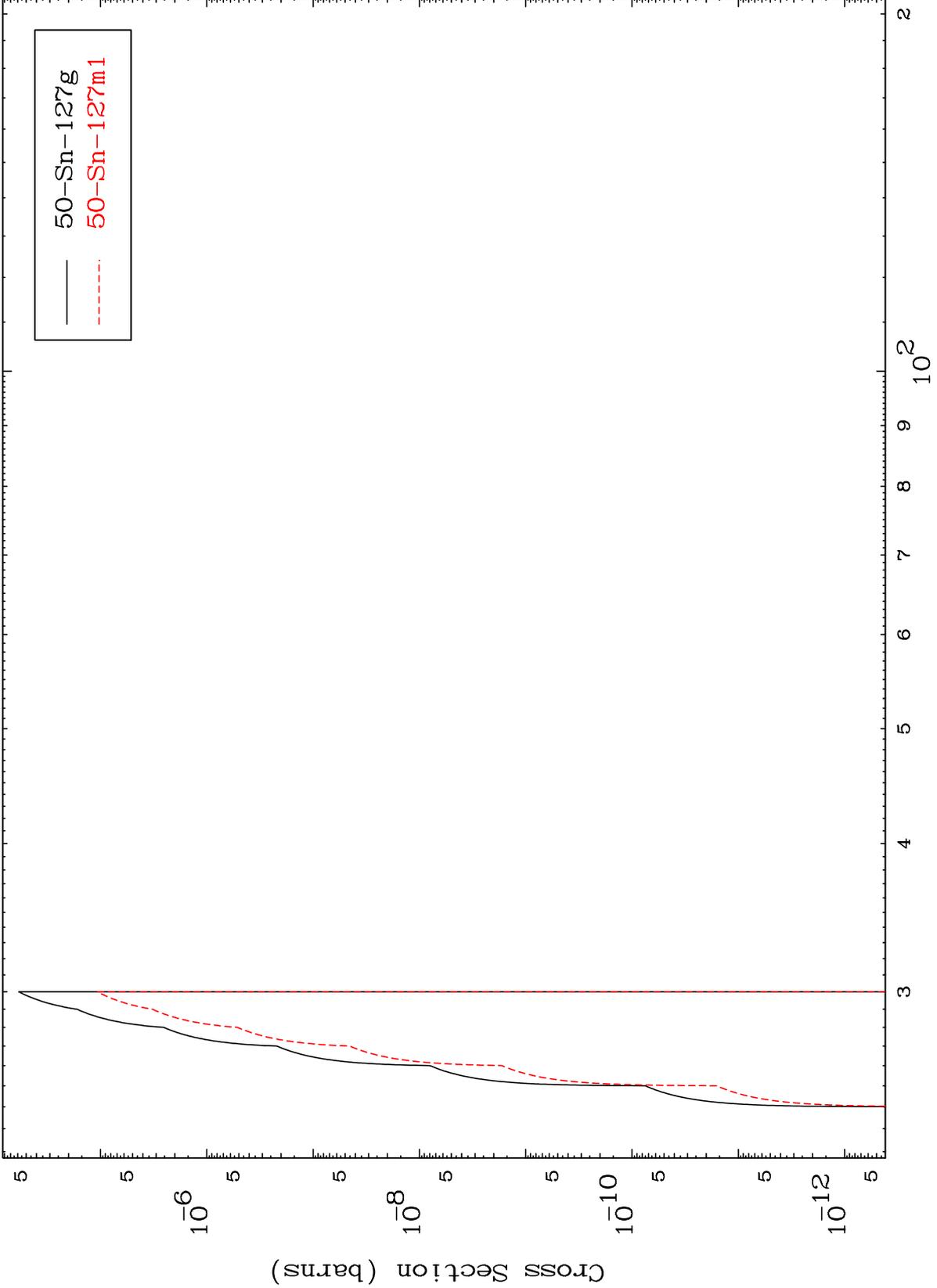
51-Sb-130

Radionuclide Production Cross Section





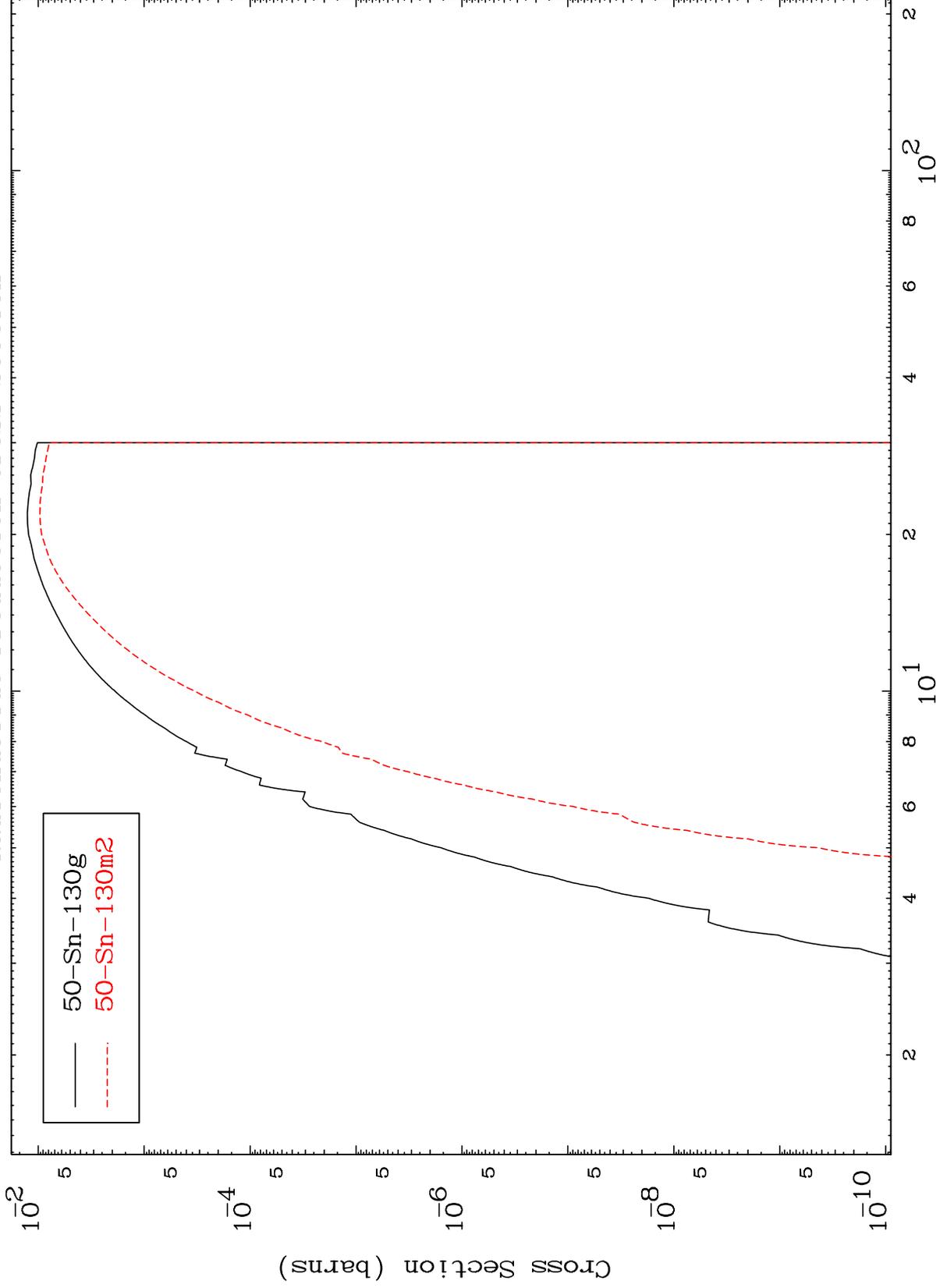
Radionuclide Production Cross Section



MAT 5152

51-Sb-130

(n,p)
Radionuclide Production Cross Section



125

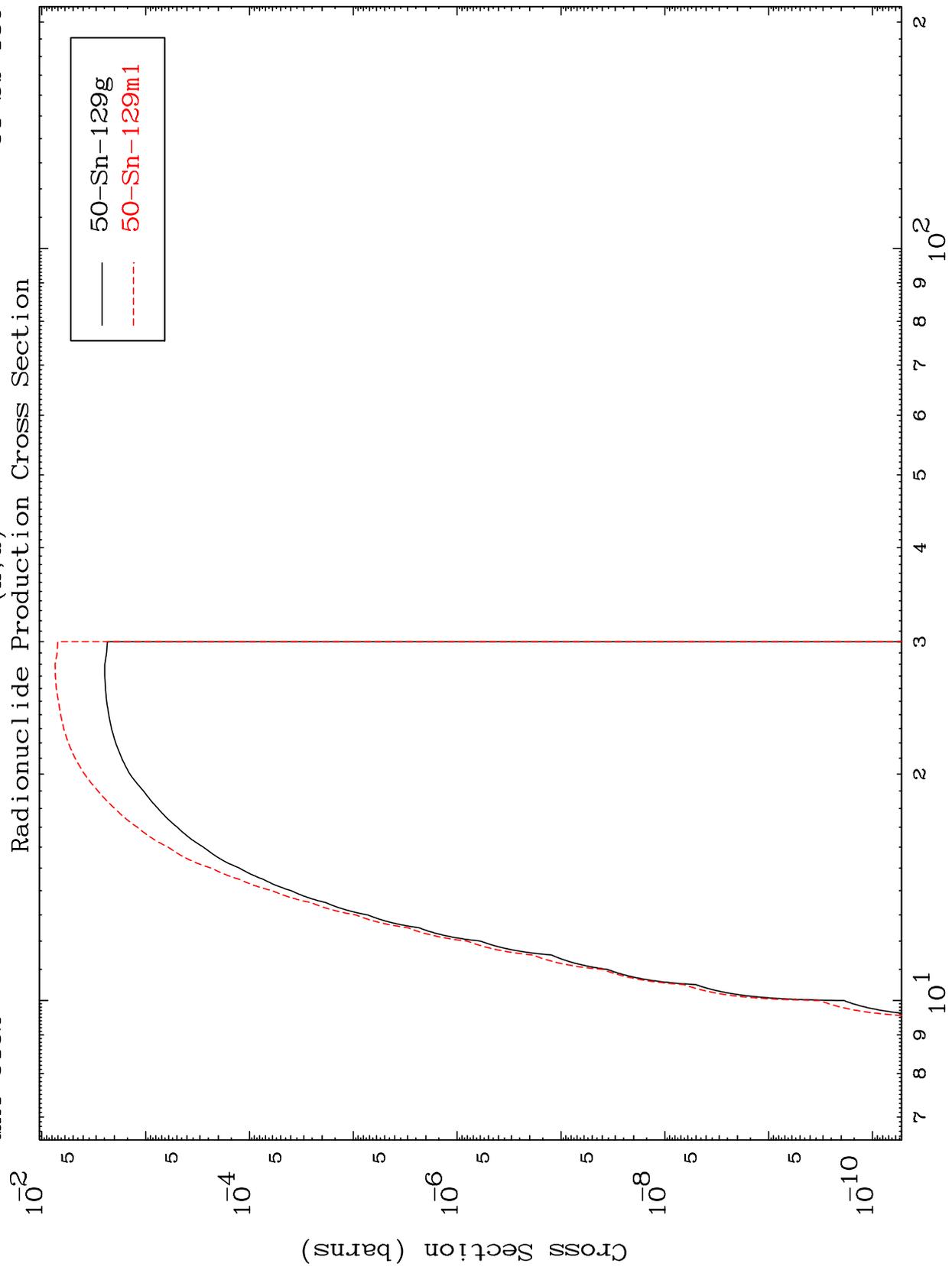
51-Sb-130

Incident Energy (MeV)

MAT 5152

51-Sb-130

(n,d)
Radionuclide Production Cross Section



126

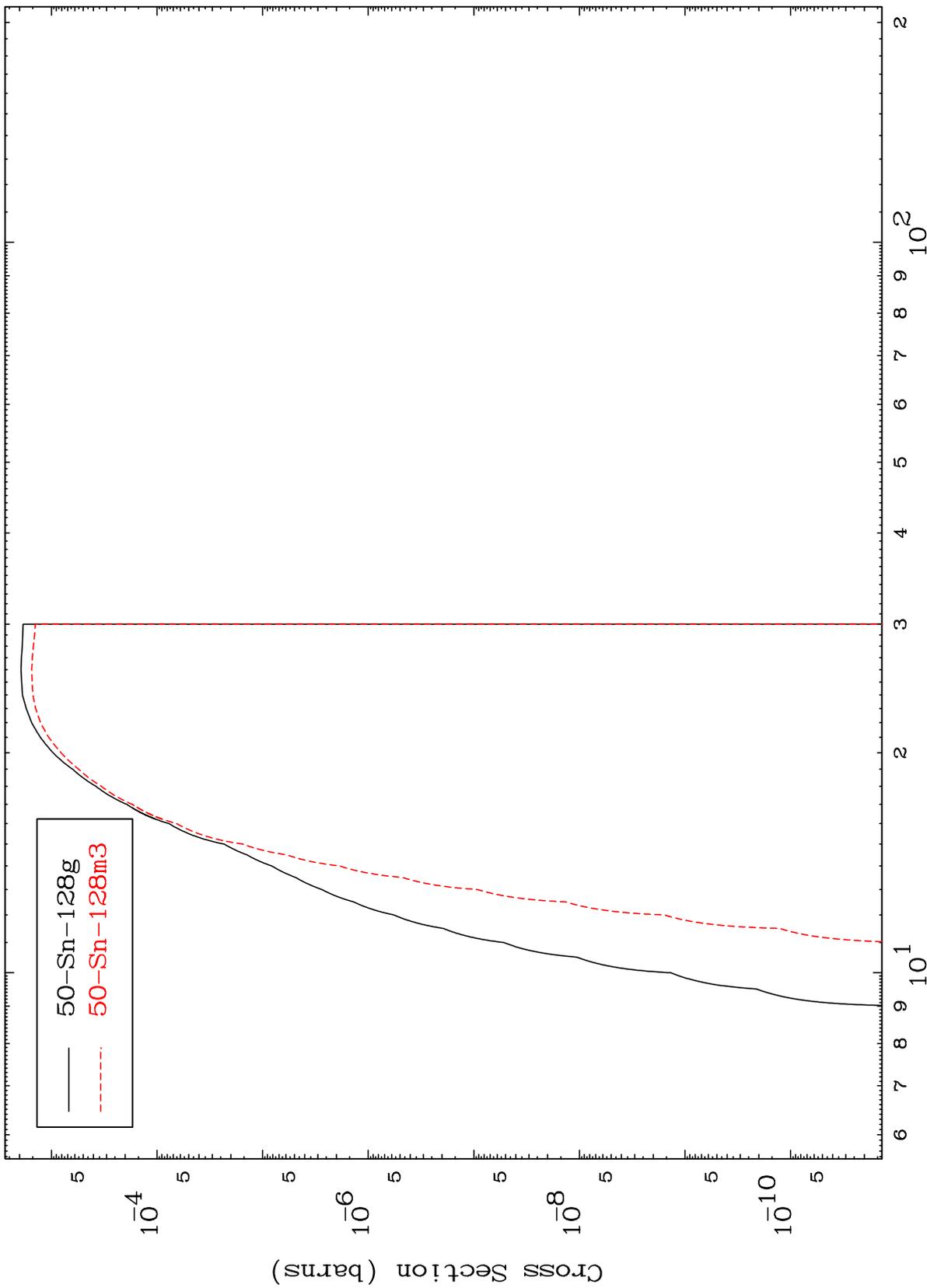
51-Sb-130

Incident Energy (MeV)

MAT 5152

51-Sb-130

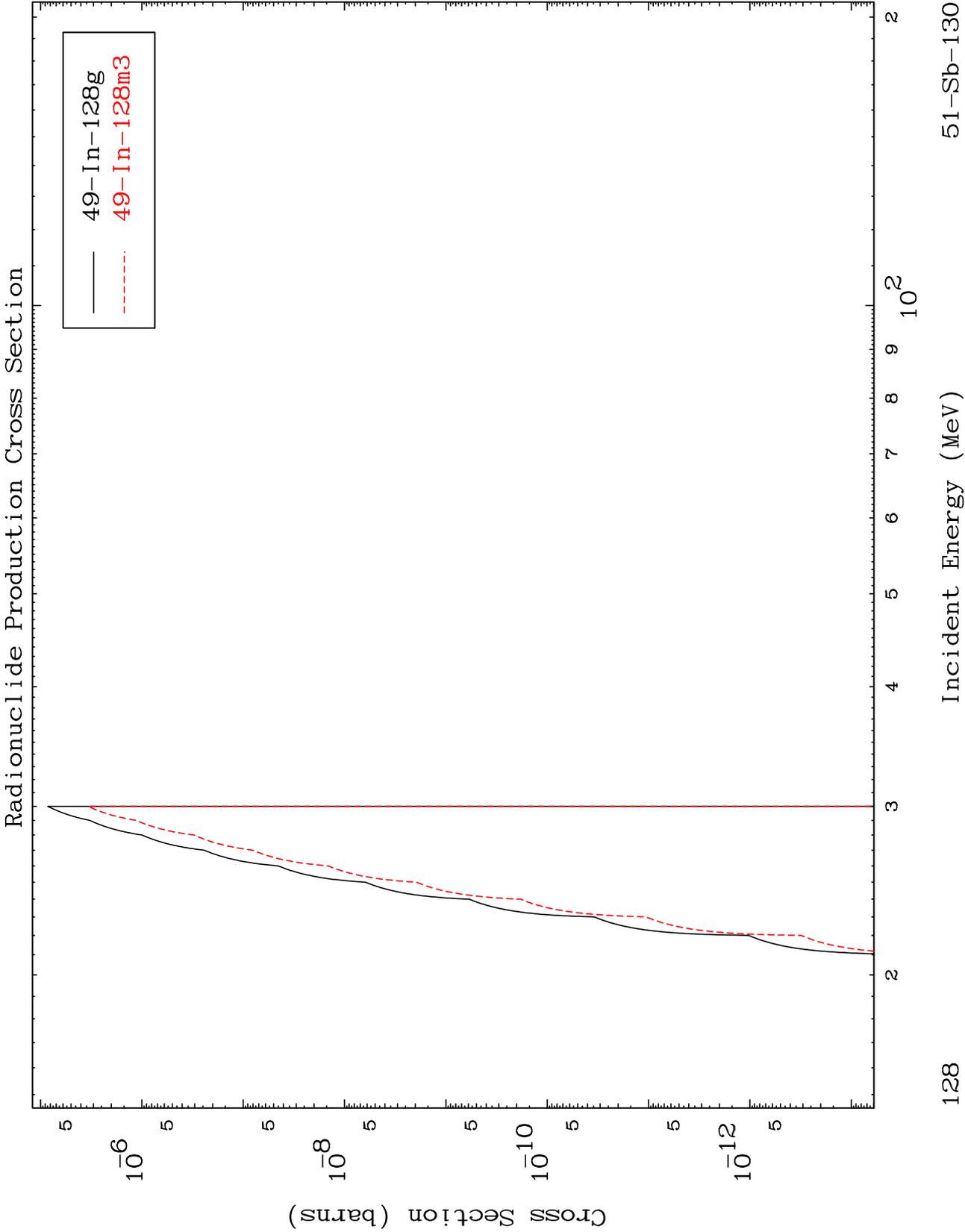
(n,t)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

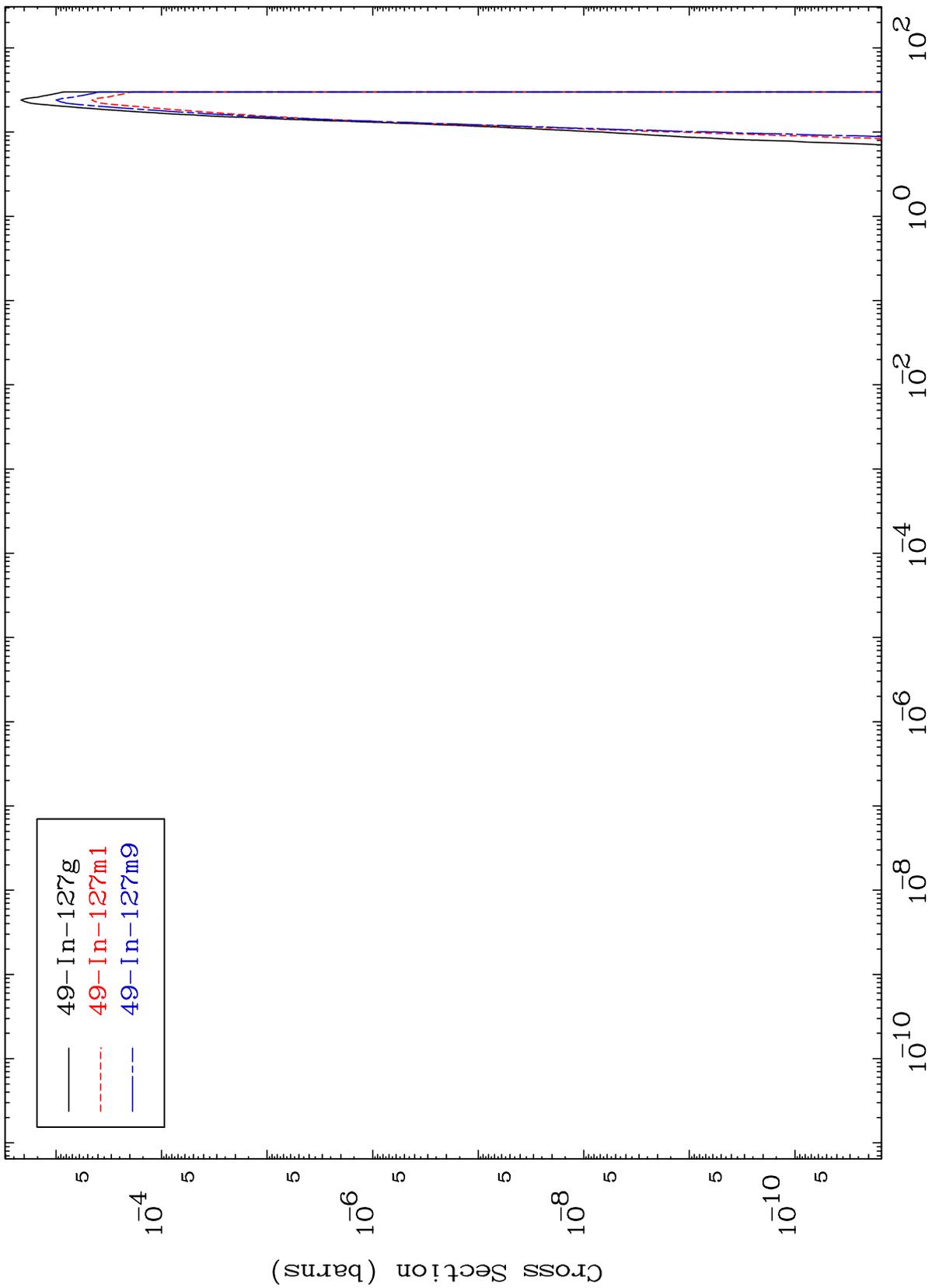
51-Sb-130



MAT 5152

51-Sb-130

Radionuclide Production Cross Section (n,α)

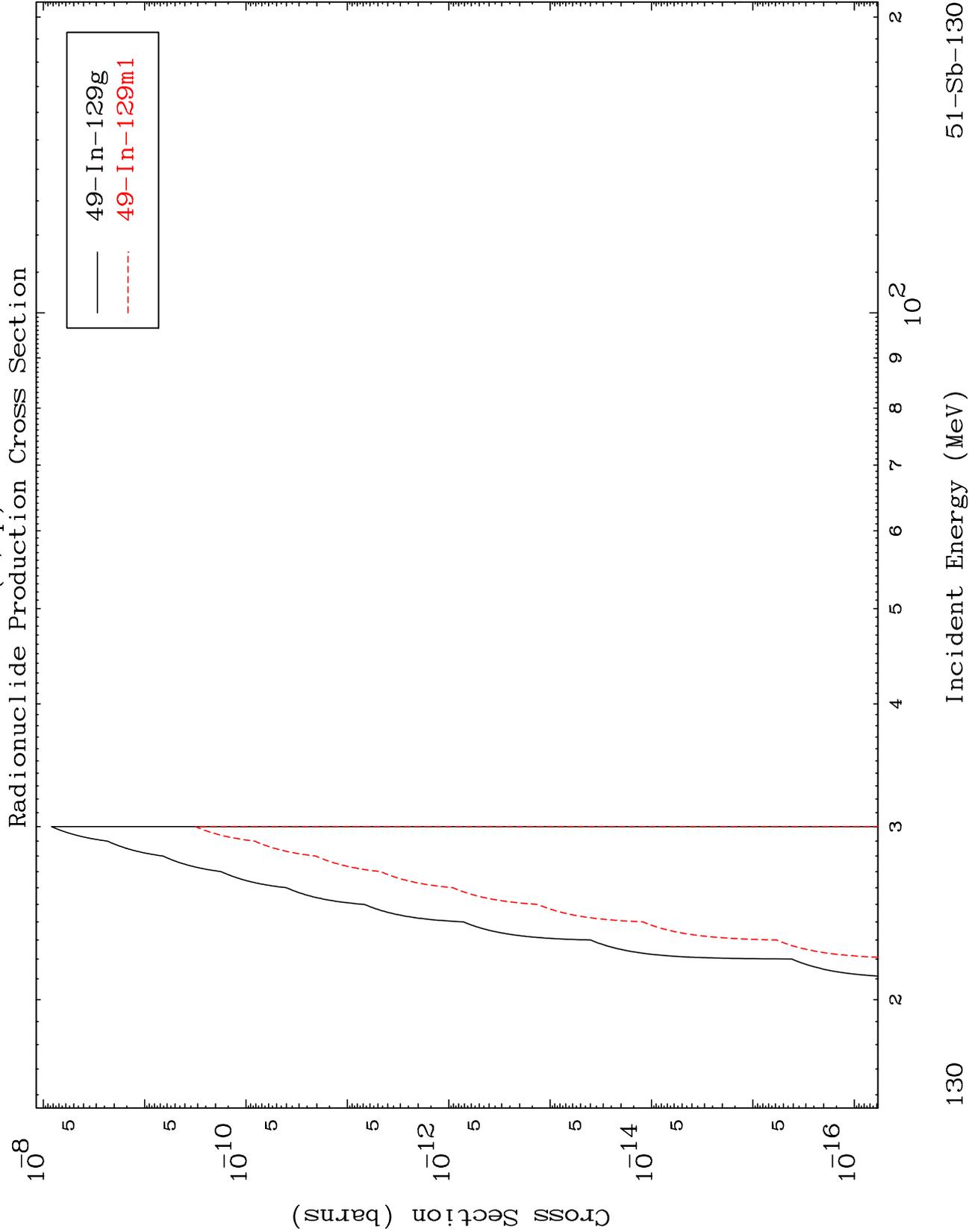


49-In-127g
49-In-127m1
49-In-127m9

MAT 5152

(n,2p)

51-Sb-130



130

51-Sb-130