

Program EVALPLOT
(Version 2015-2)

by

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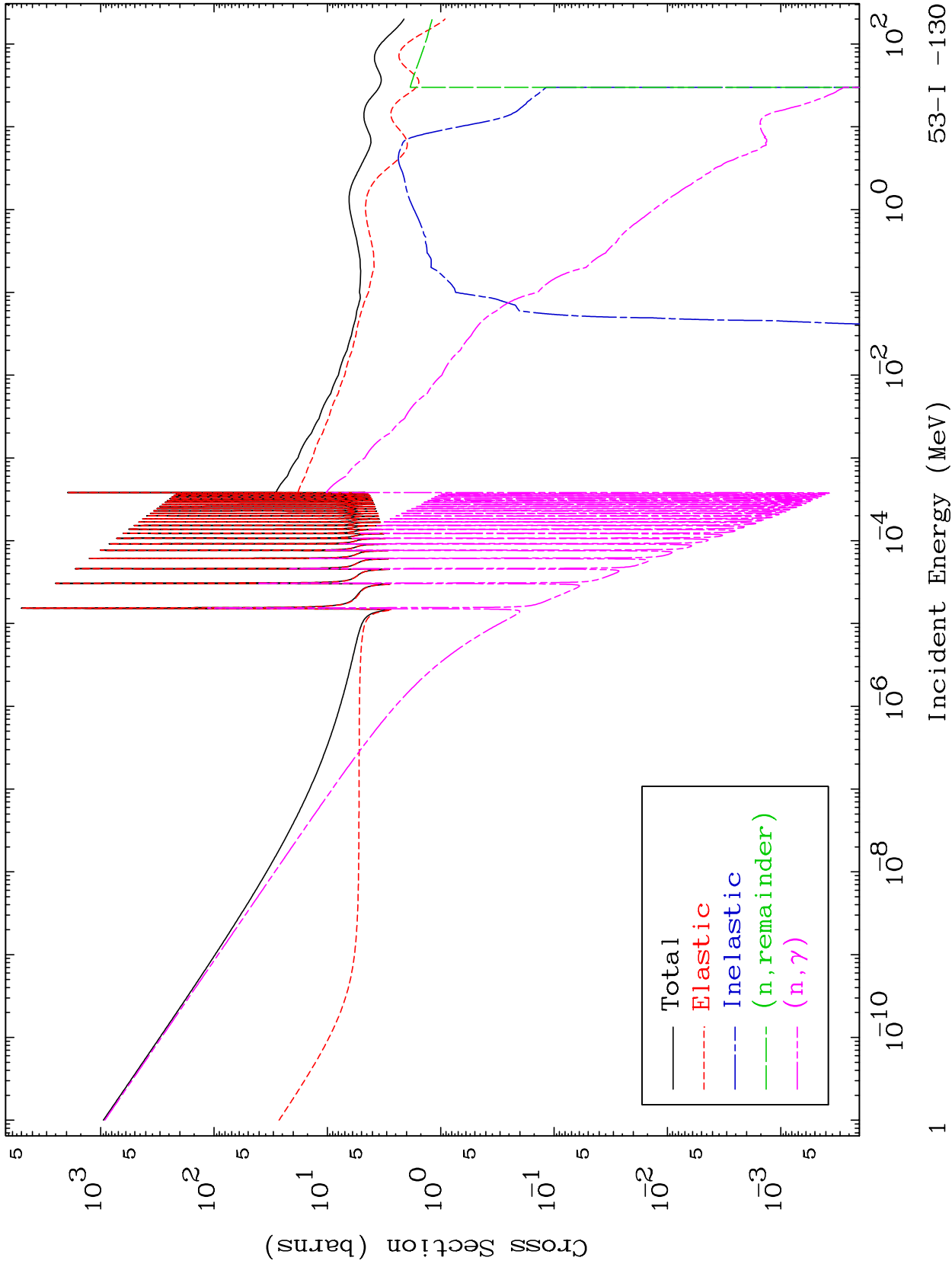
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

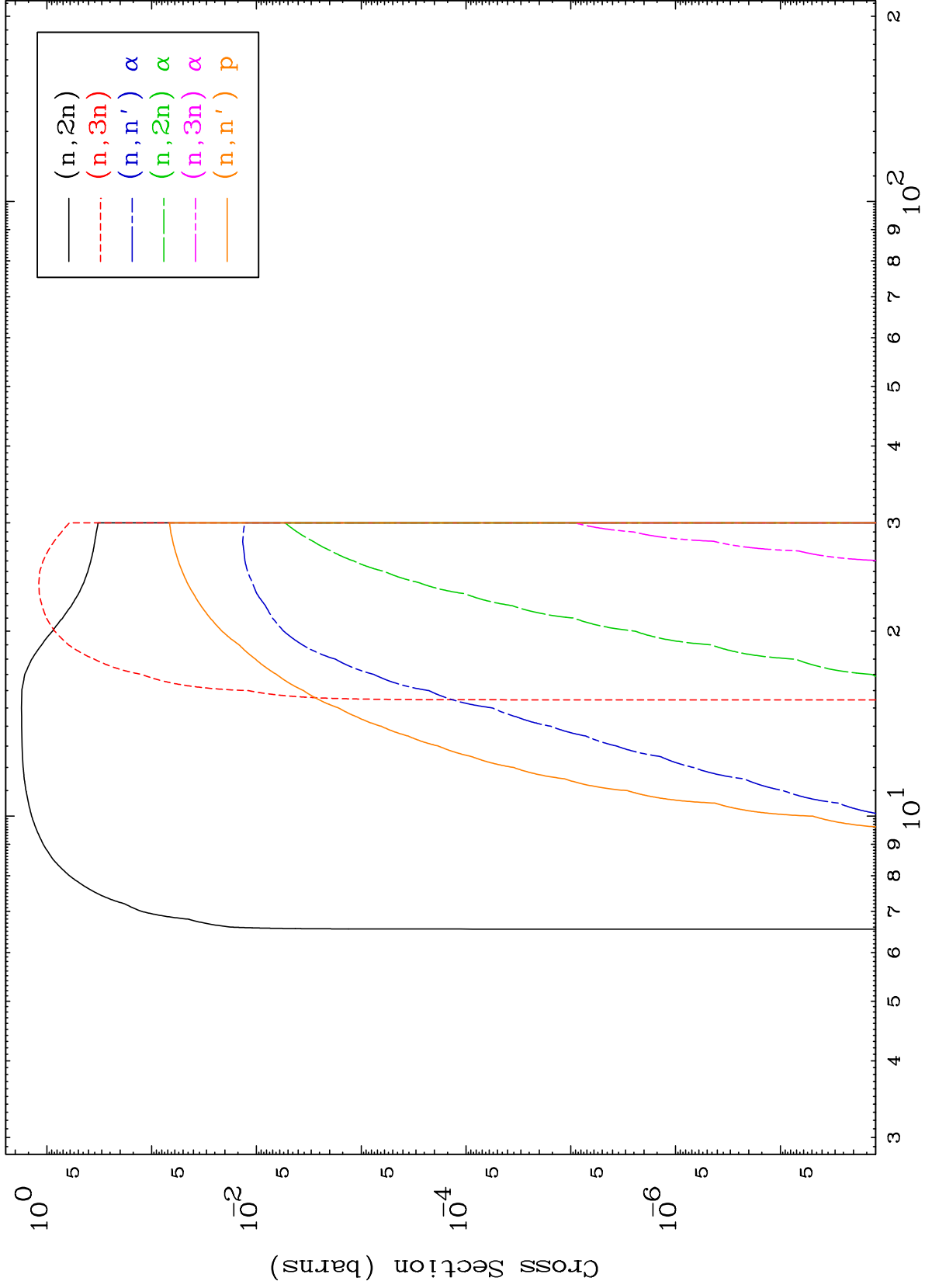
Press Mouse Button to Start

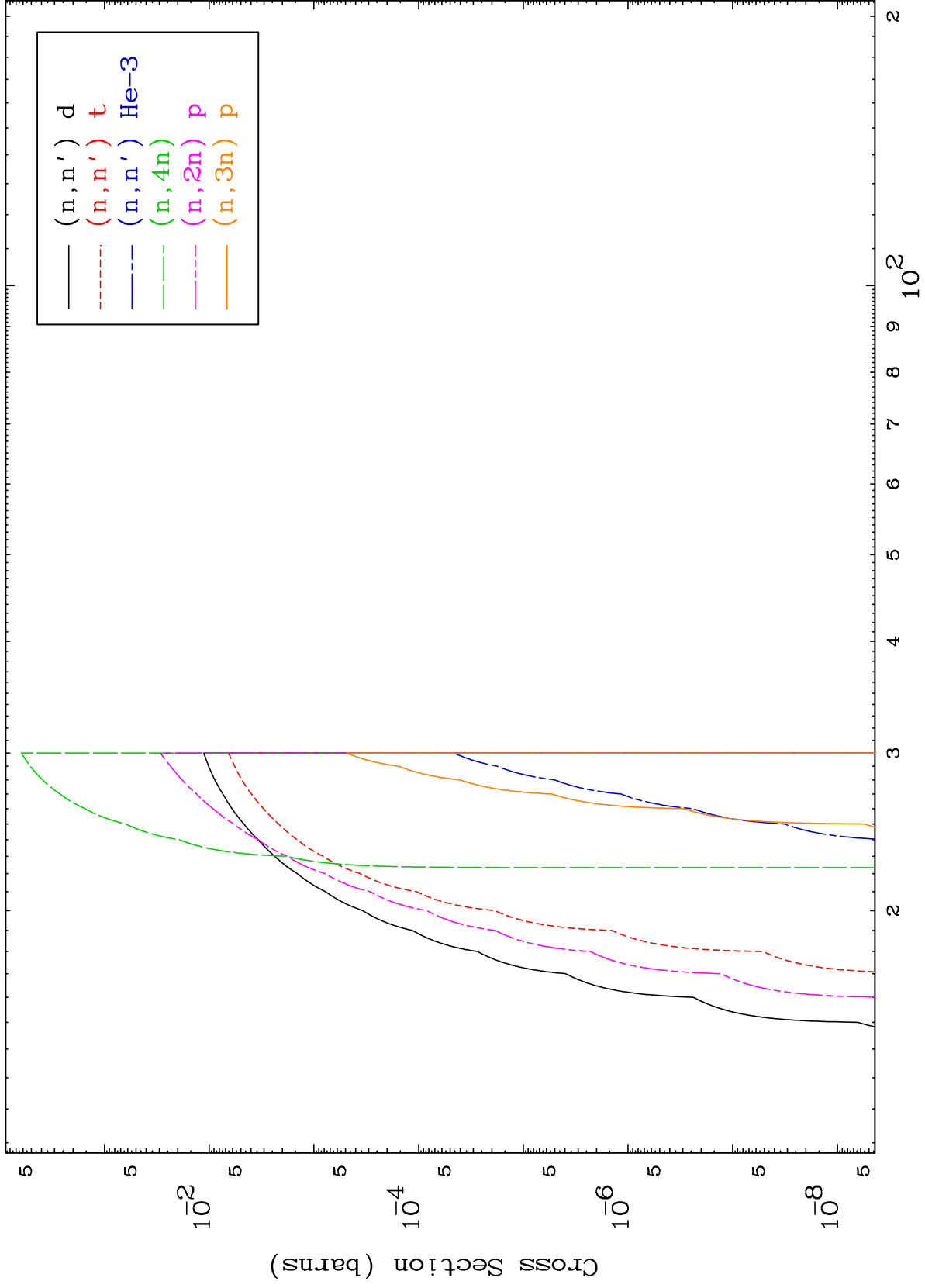
MAT 5334

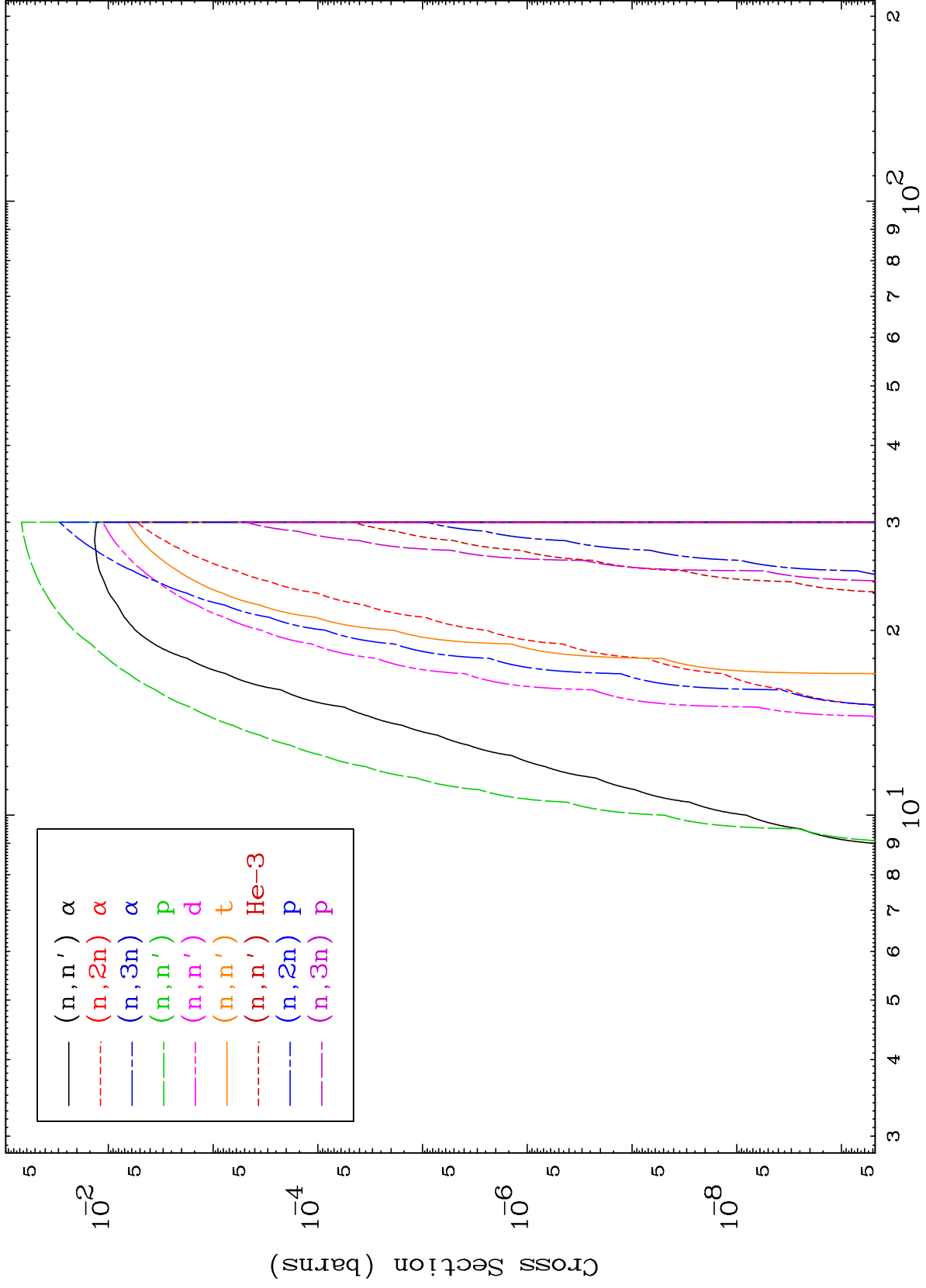
Major
293 Kelvin Cross Sections

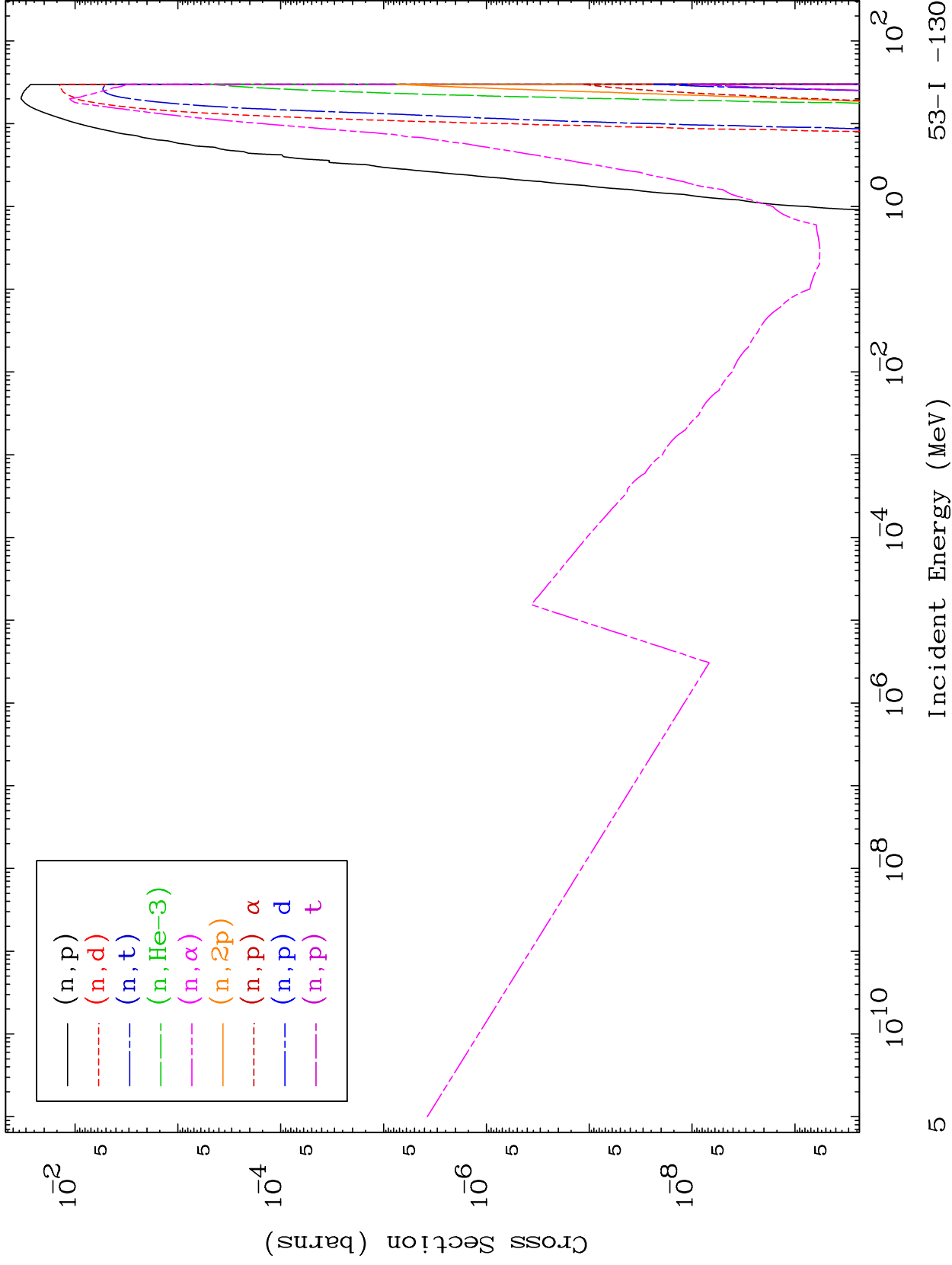
53-I -130

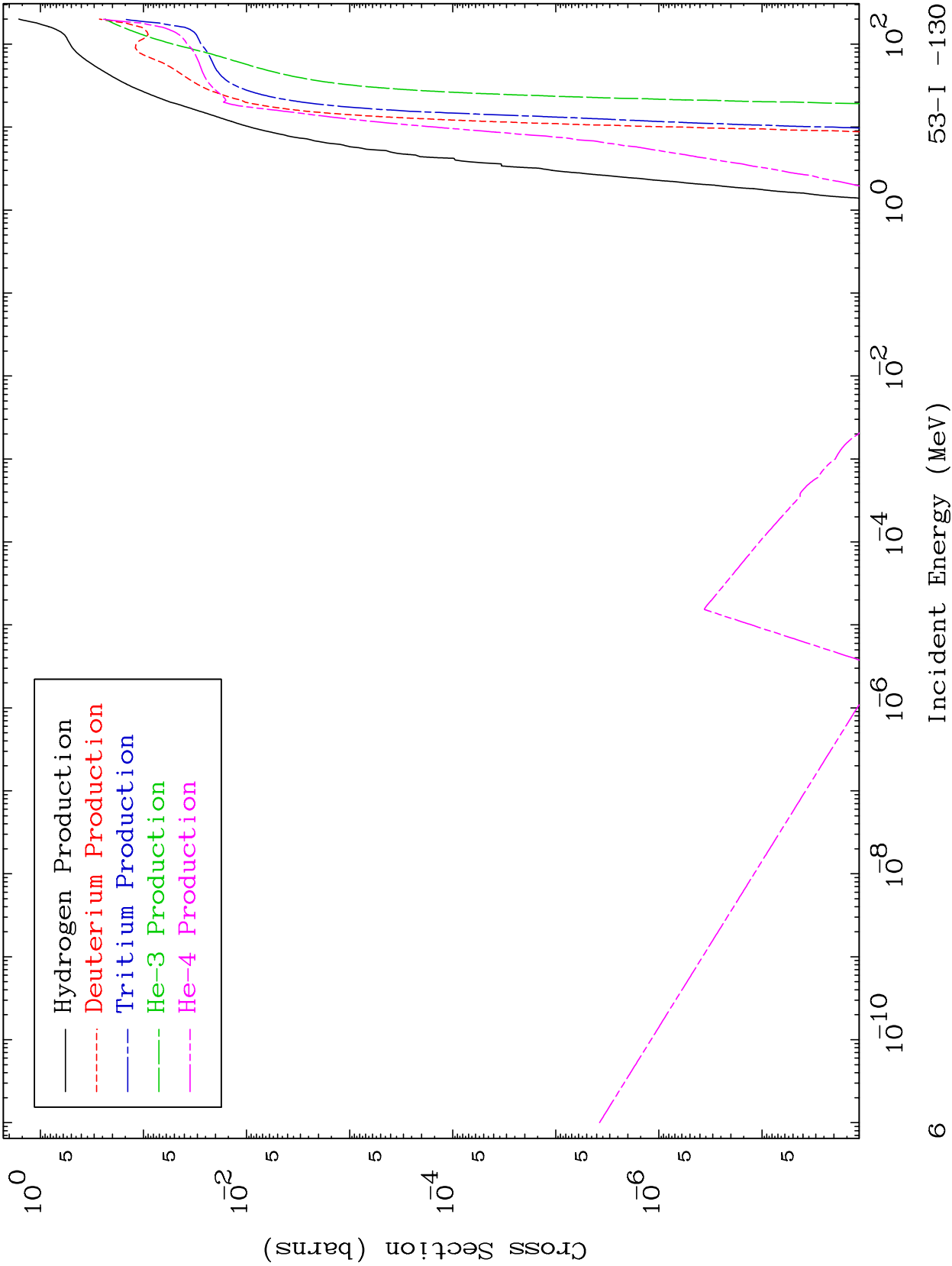








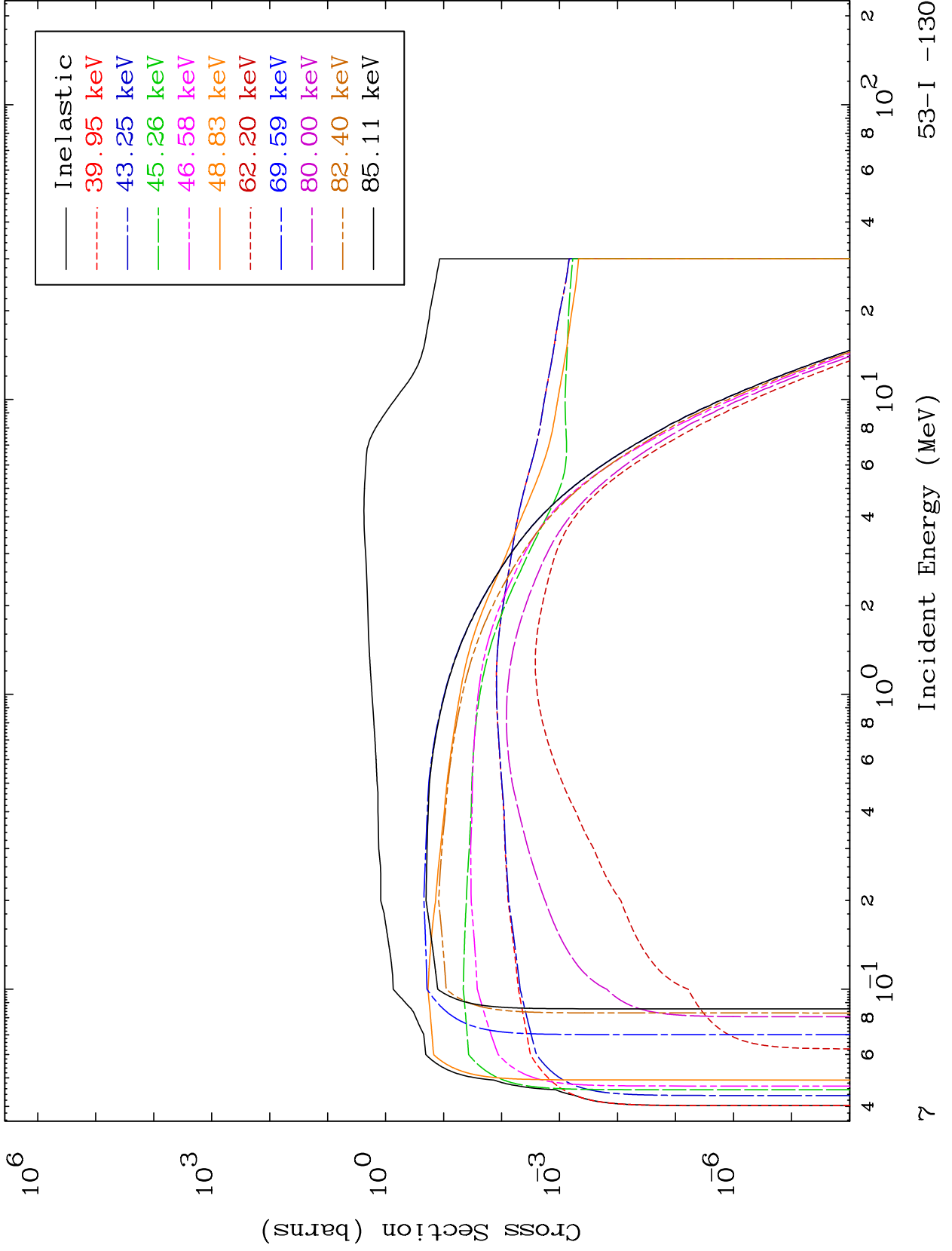




MAT 5334

(n,n') Level
293 Kelvin Cross Sections

53-I -130

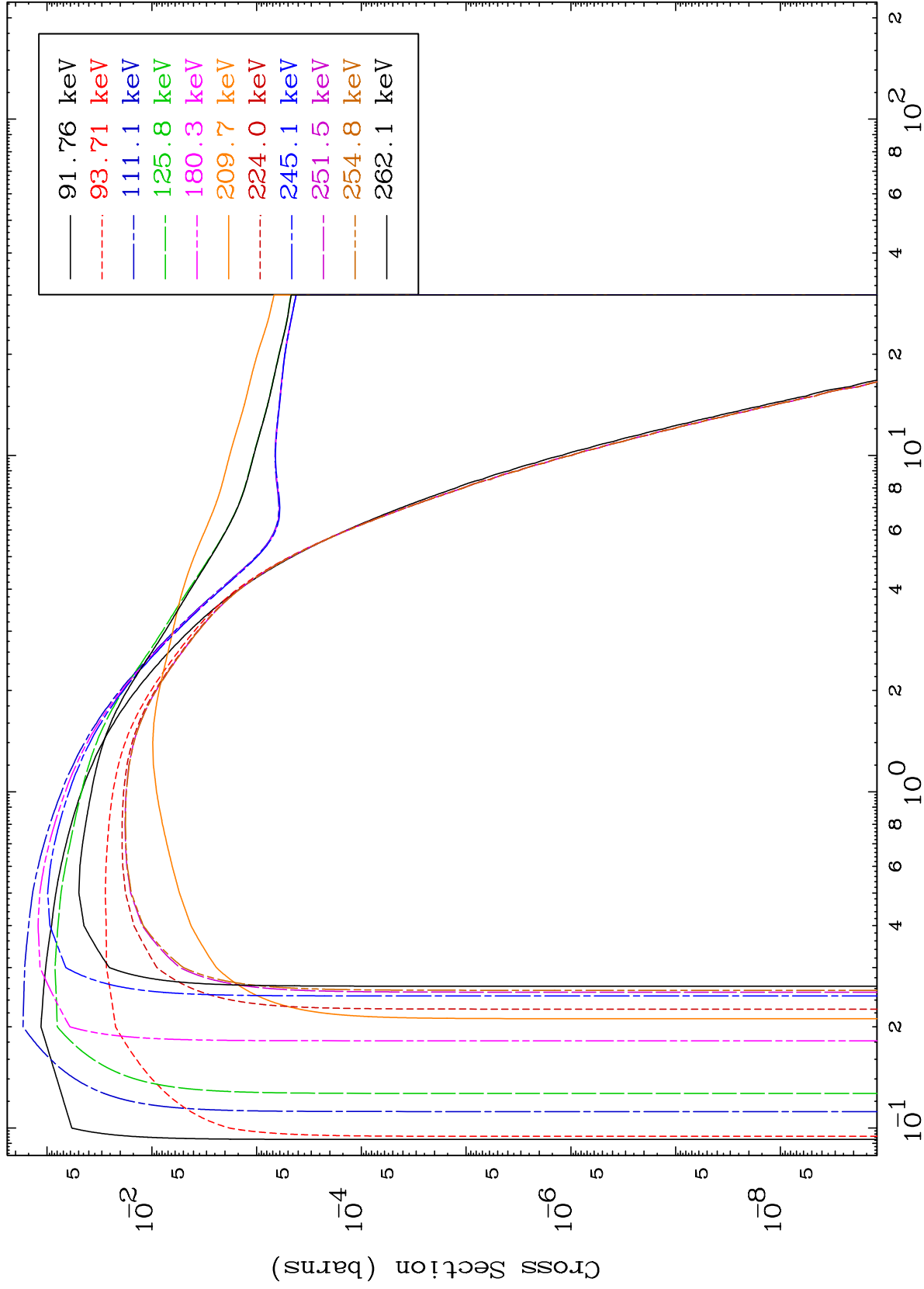


MAT 5334

(n,n') Level

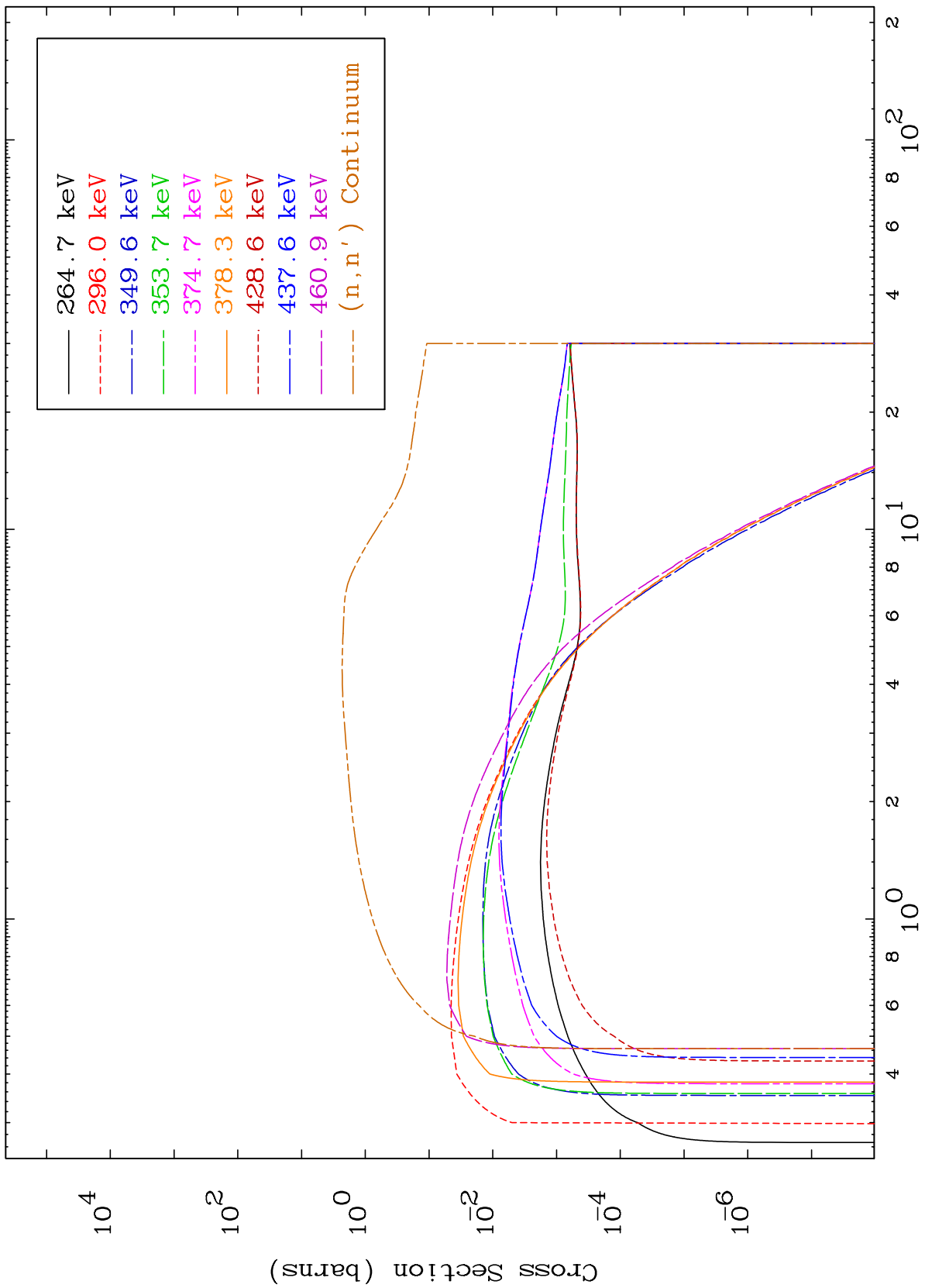
53-I -130

293 Kelvin Cross Sections



Incident Energy (MeV)

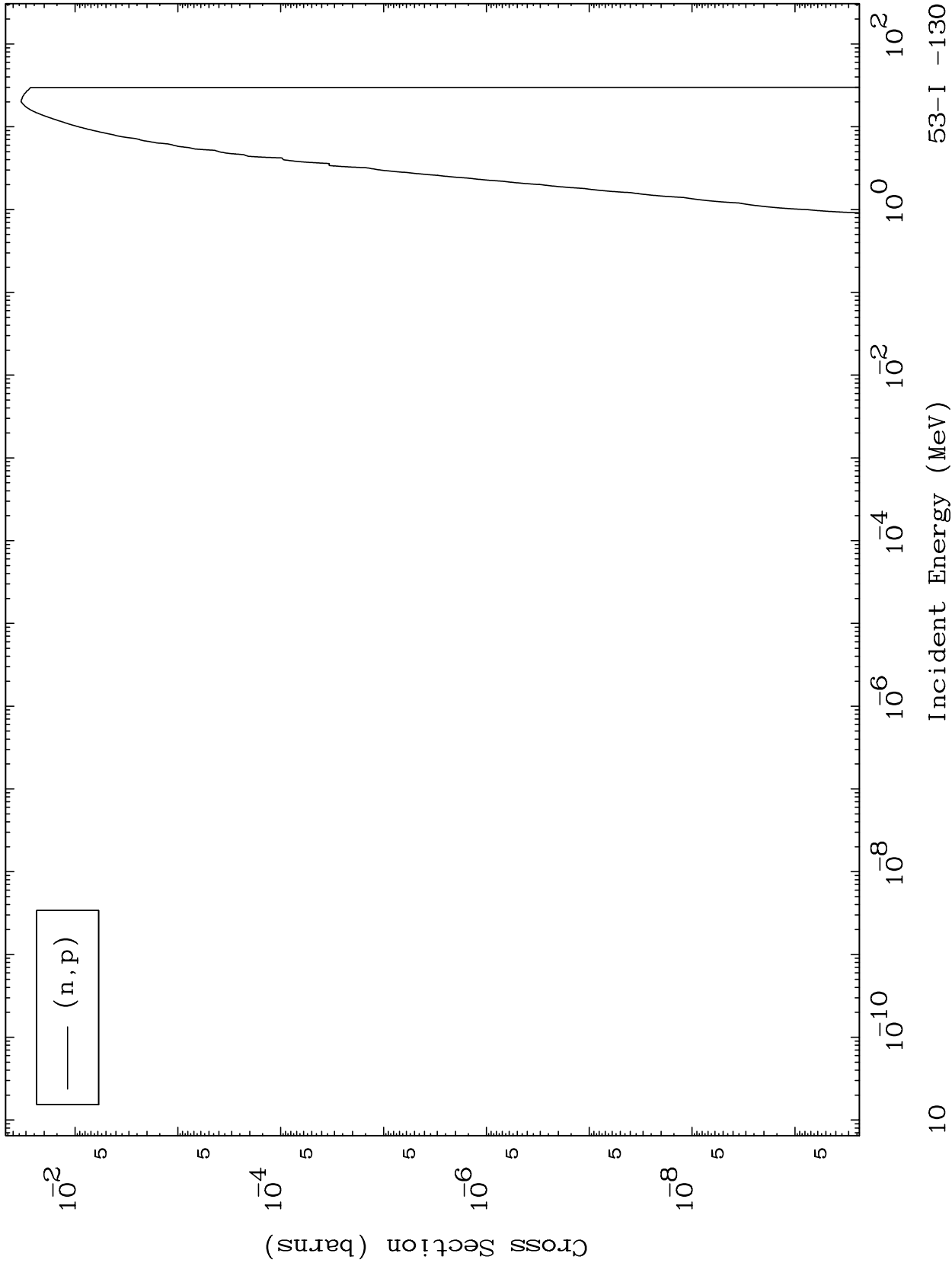
53-I -130



MAT 5334

(n,p) Levels
293 Kelvin Cross Sections

53-I -130



10

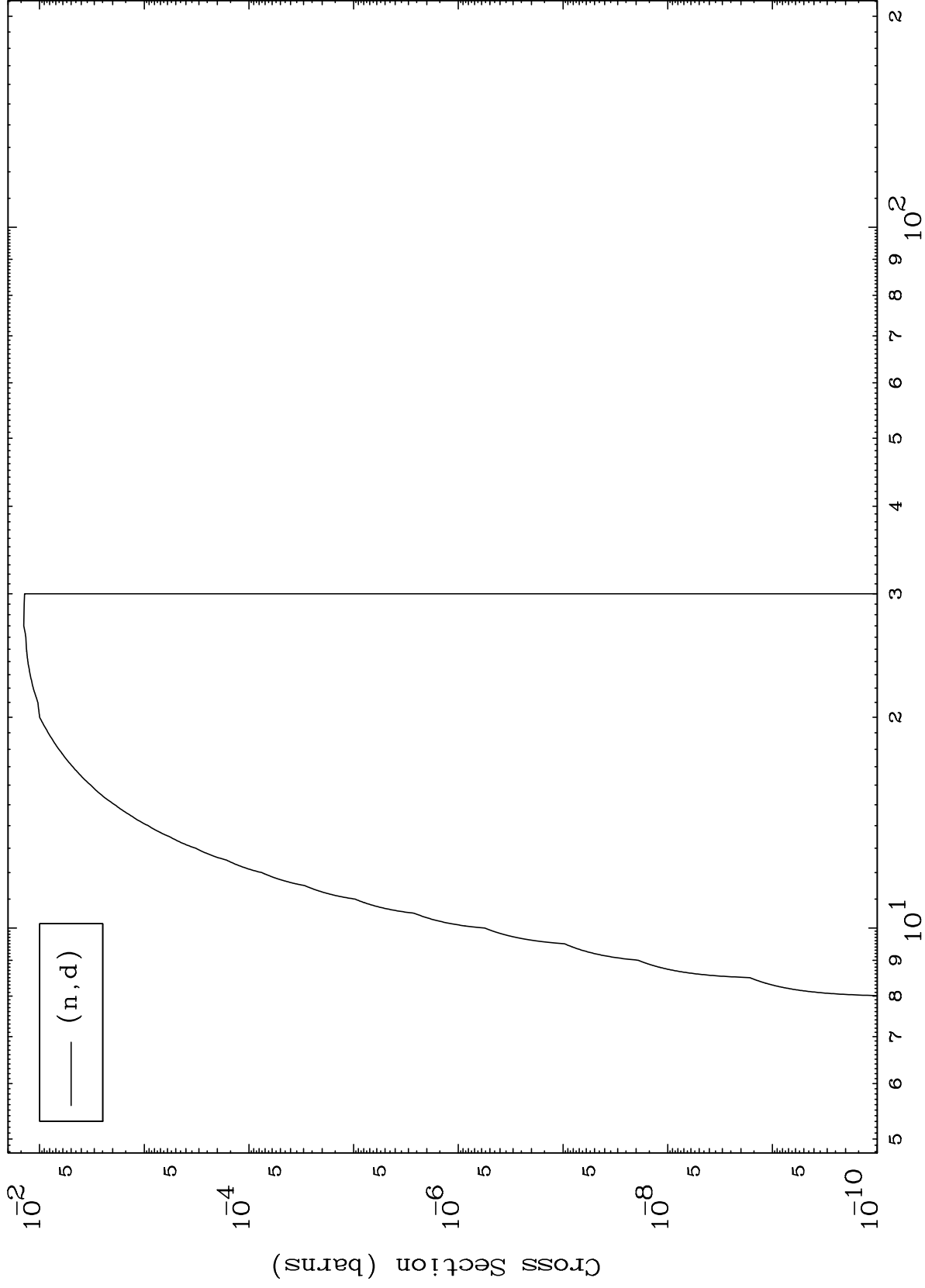
Incident Energy (MeV)

53-I -130

MAT 5334

(n,d) Levels
293 Kelvin Cross Sections

53-I -130



11

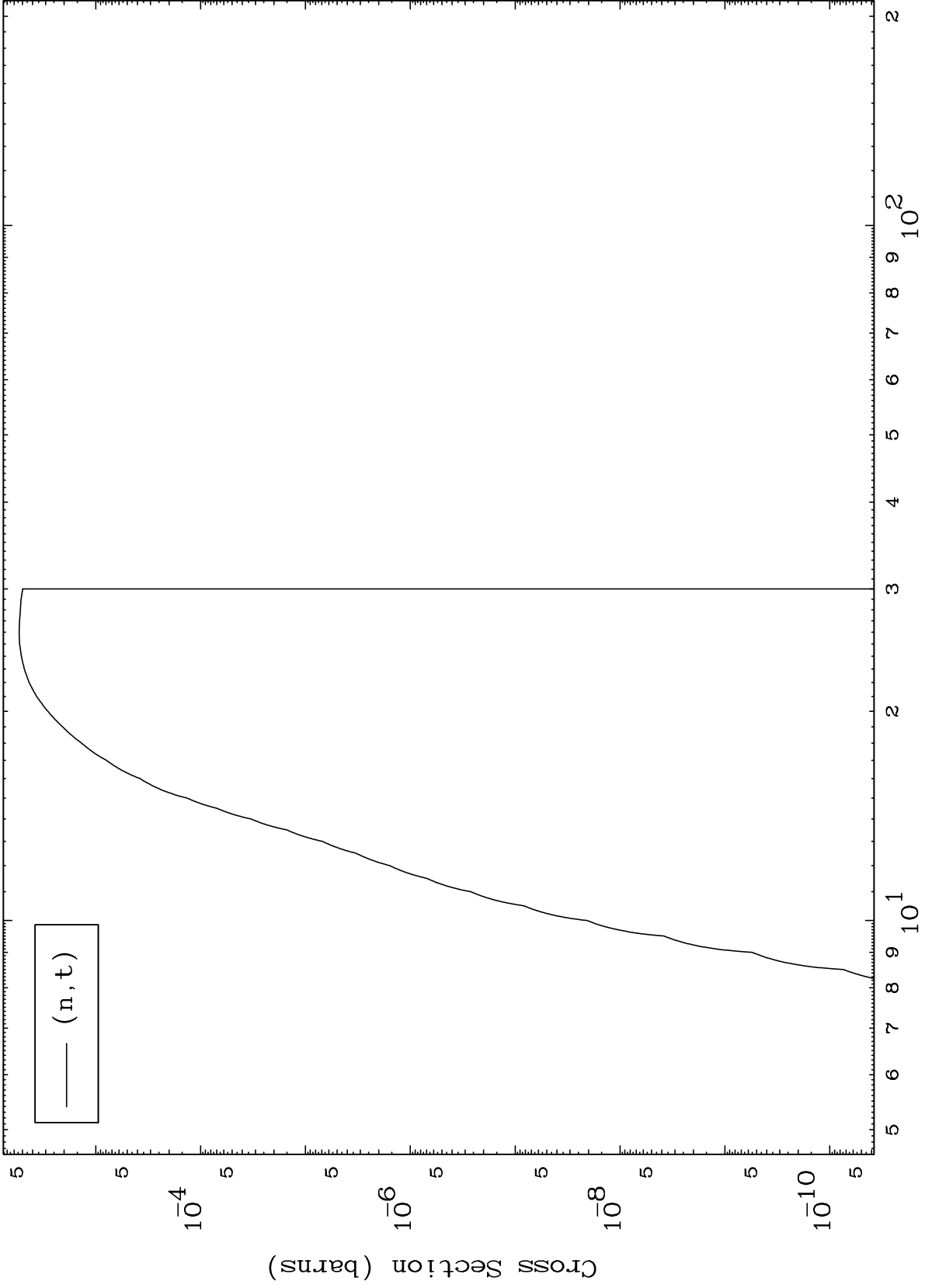
Incident Energy (MeV)

53-I -130

MAT 5334

(n,t) Levels
293 Kelvin Cross Sections

53-I -130



(n,t)

12

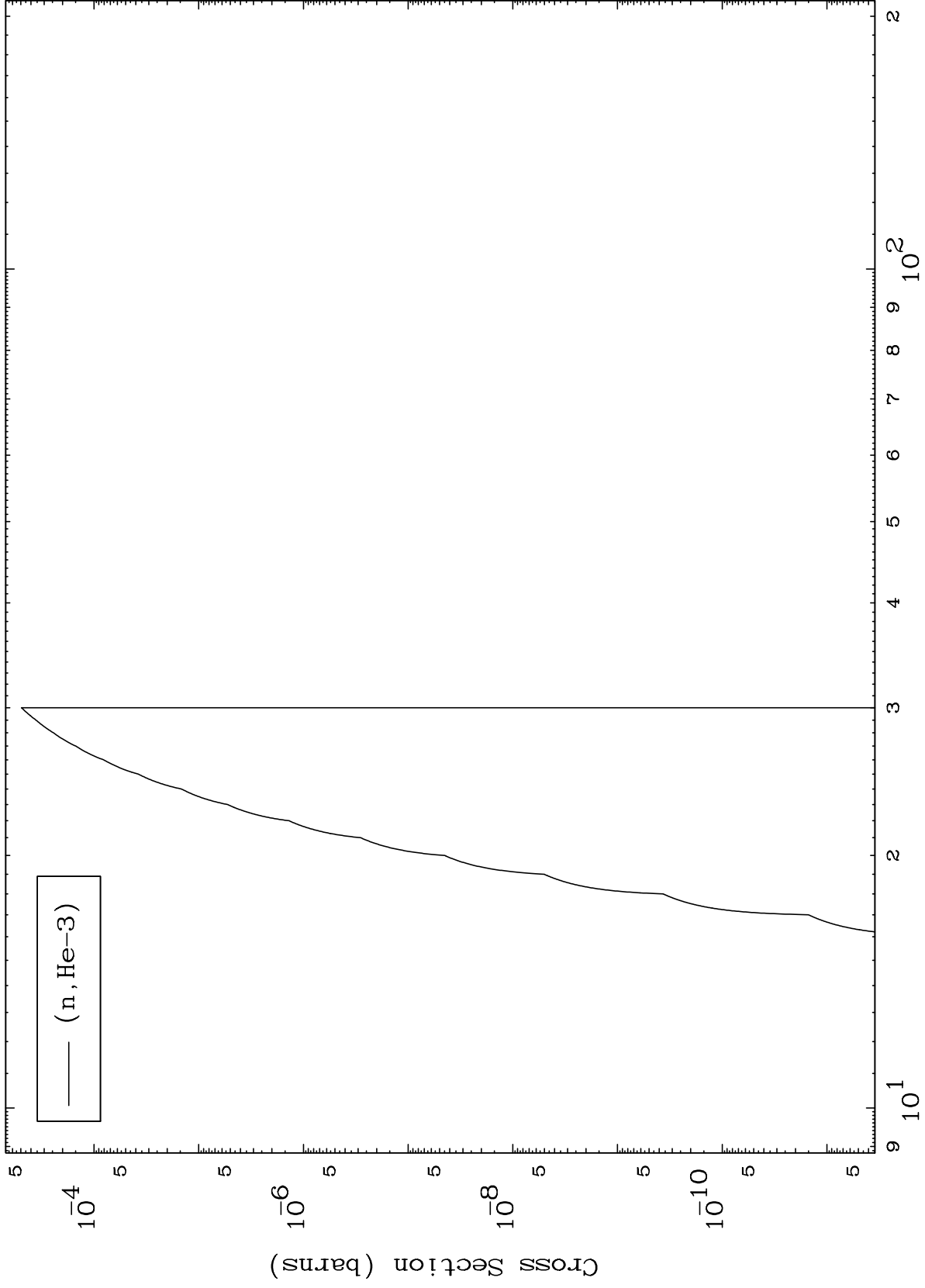
Incident Energy (MeV)

53-I -130

MAT 5334

(n,He3) Levels
293 Kelvin Cross Sections

53-I -130



13

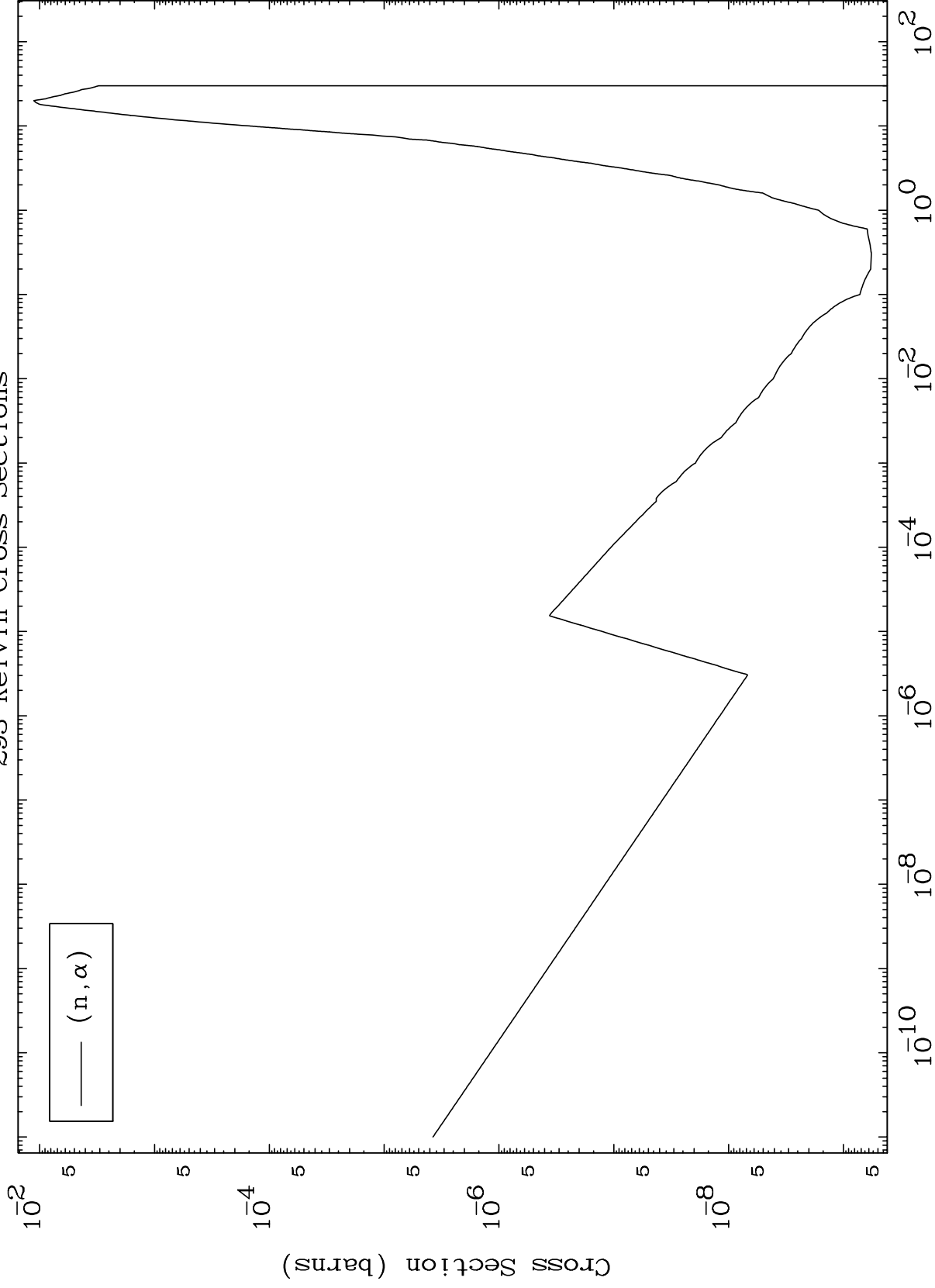
Incident Energy (MeV)

53-I -130

MAT 5334

(n, α) Levels
293 Kelvin Cross Sections

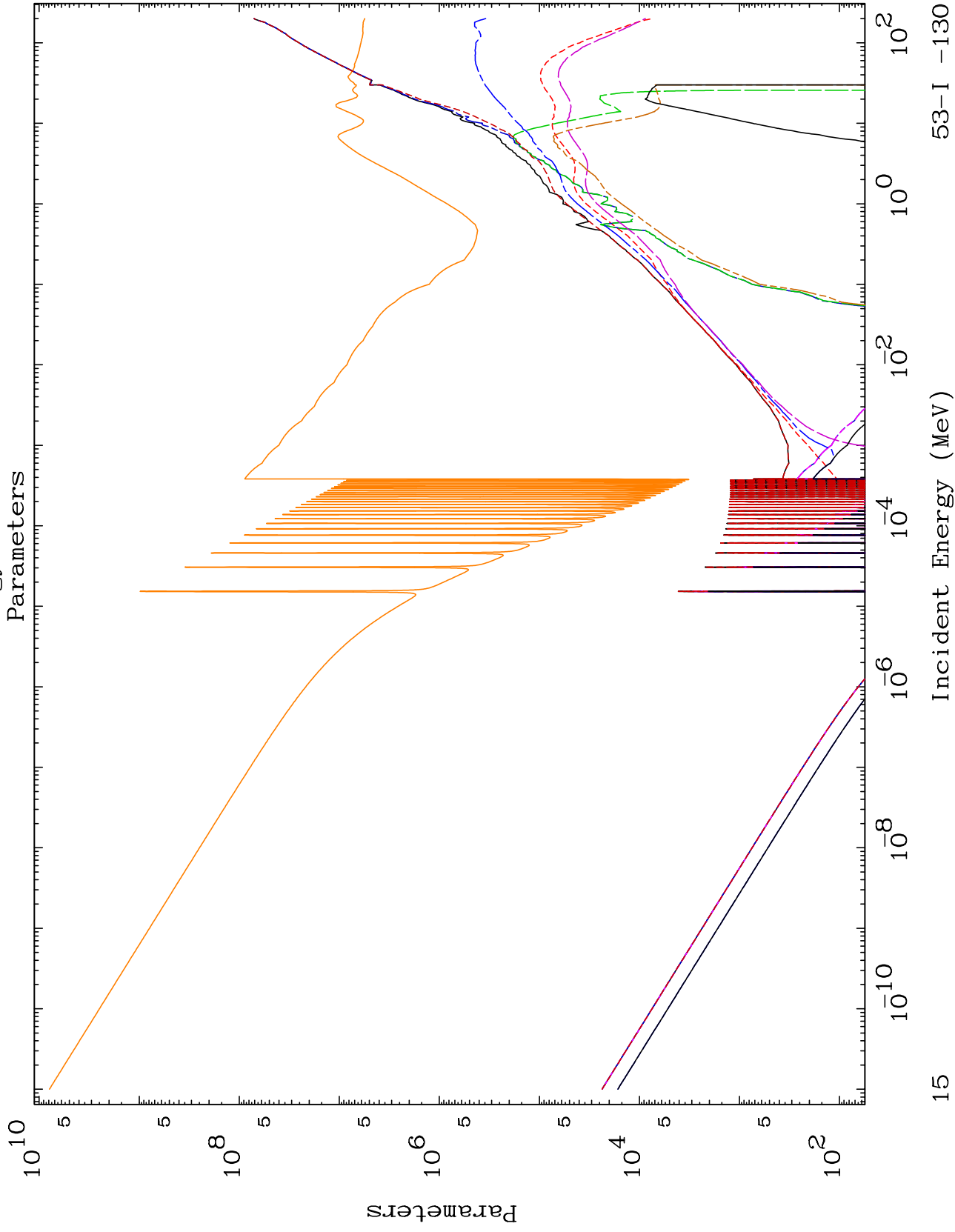
53-I -130



MAT 5334

Energy Release
Parameters

53-I -130



15

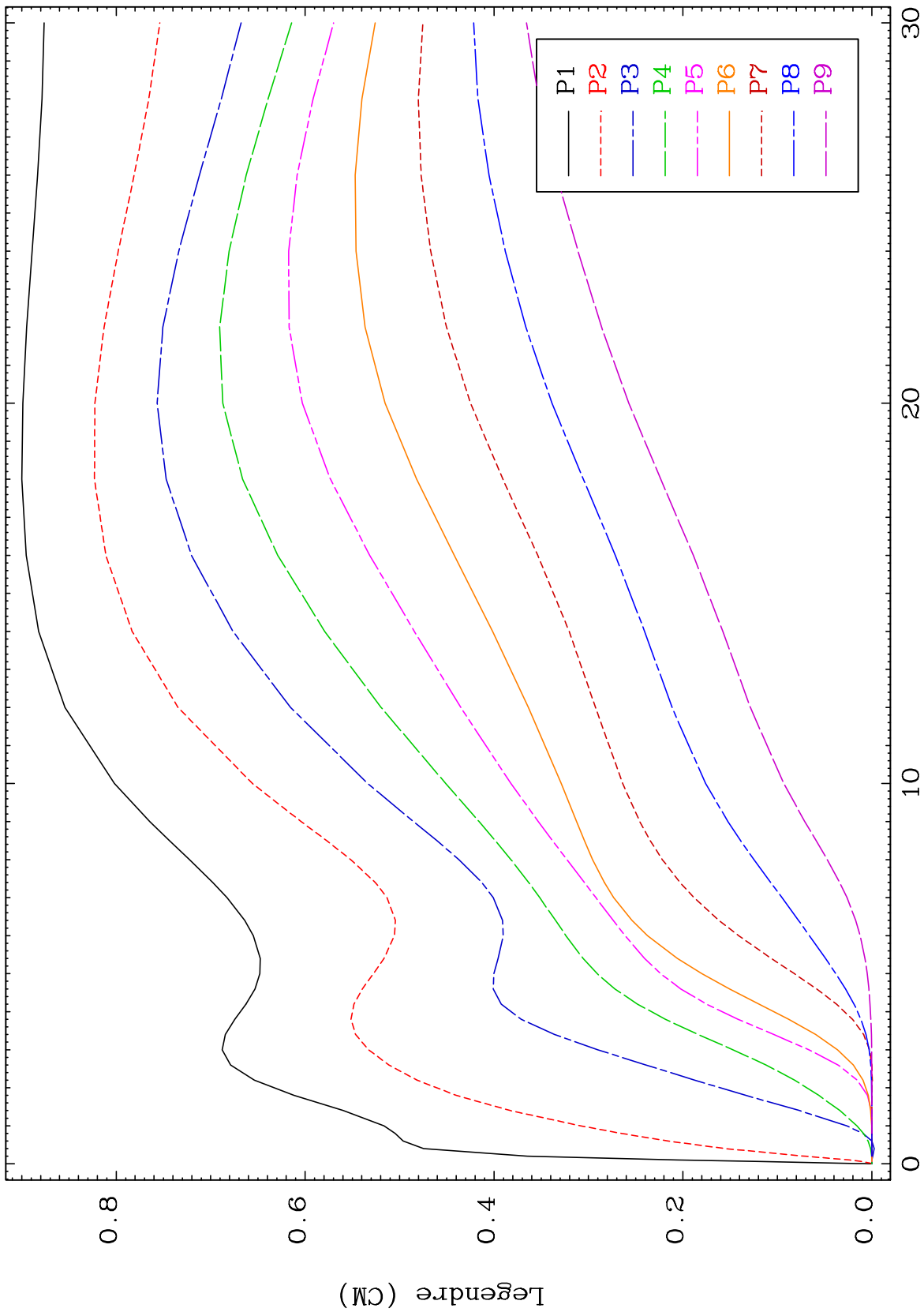
Incident Energy (MeV)

53-I -130

MAT 5334

Elastic Legendre Coefficients

53-I -130



16

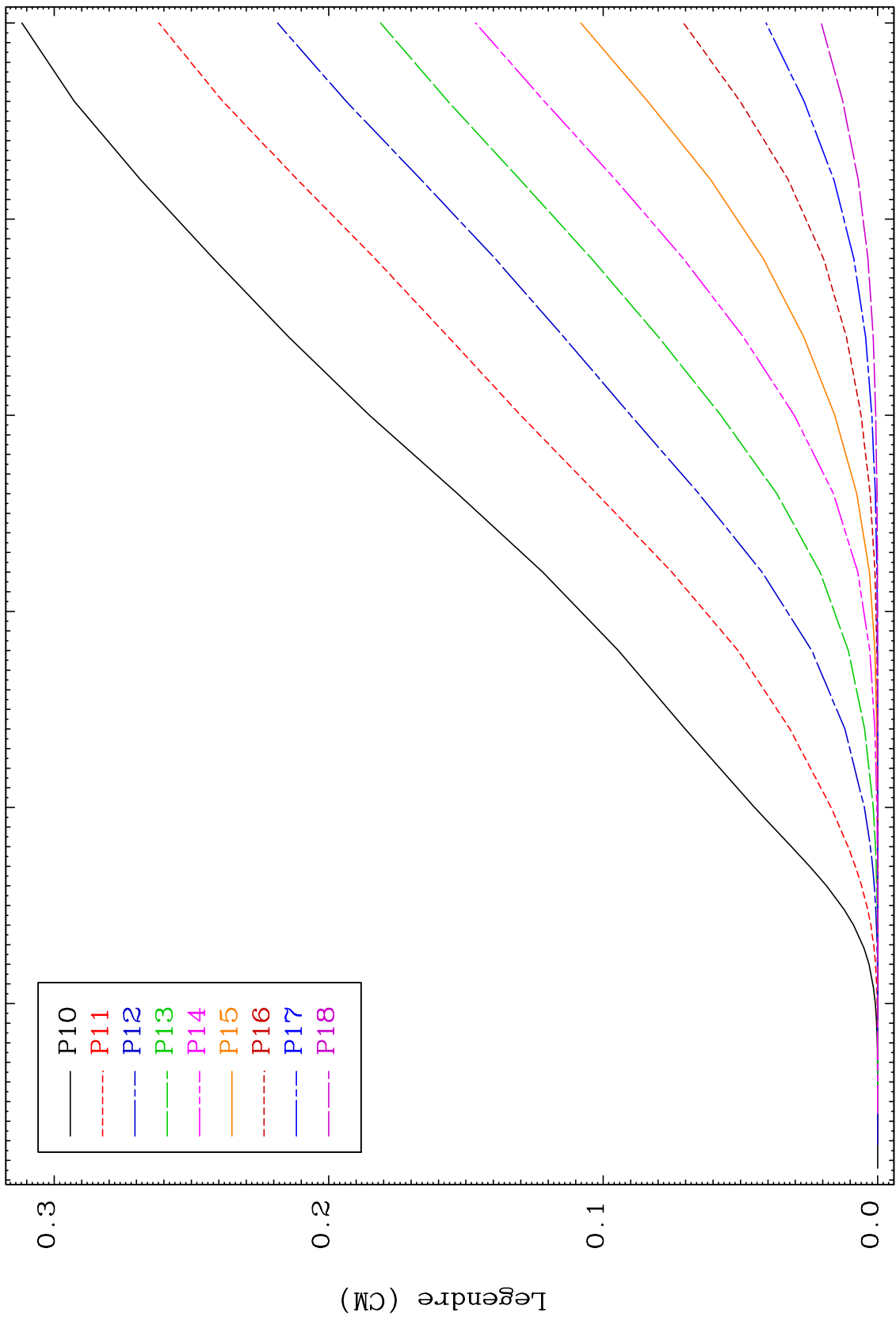
Incident Energy (MeV)

53-I -130

MAT 5334

Elastic Legendre Coefficients

53-I -130



17

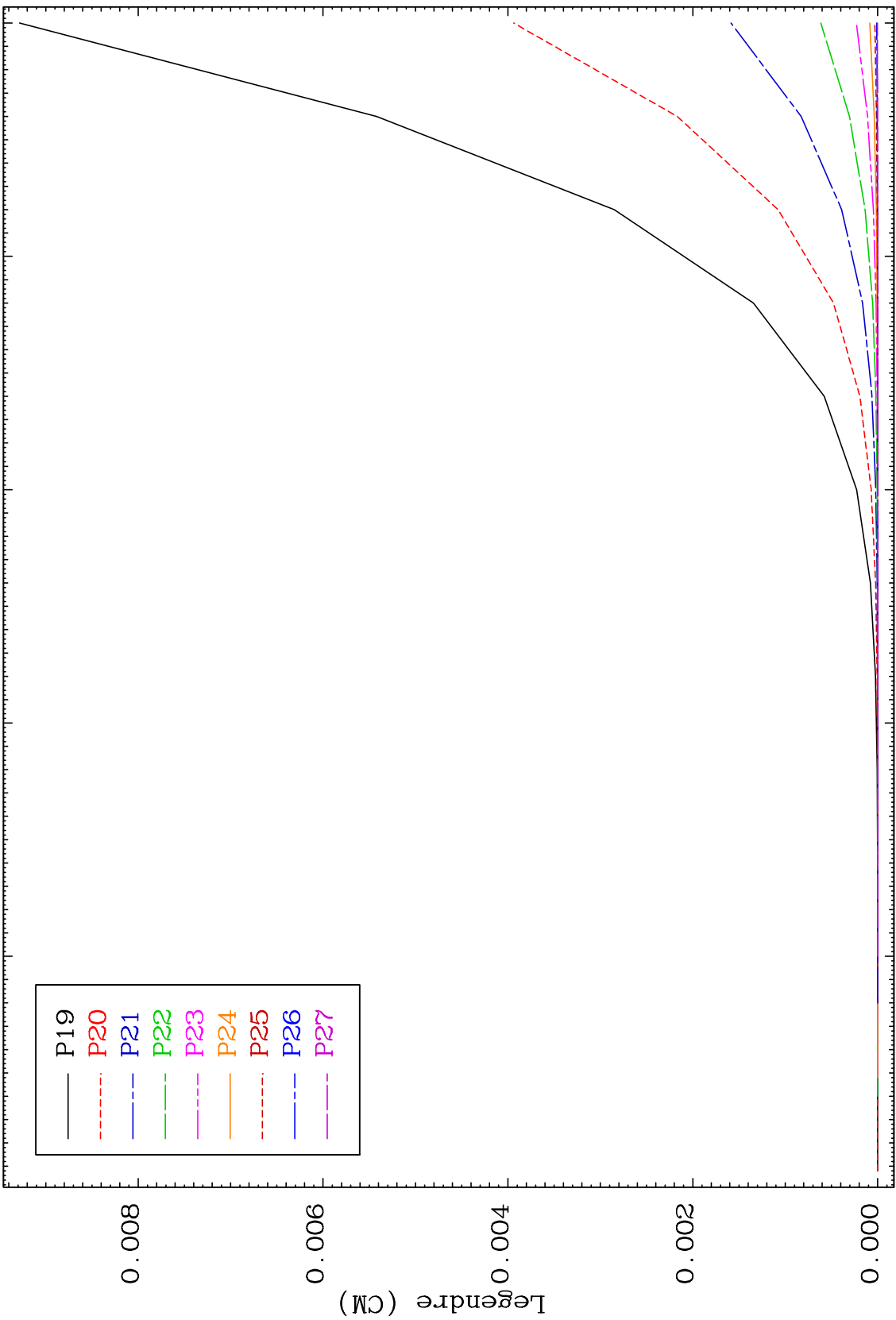
53-I -130

Incident Energy (MeV)

MAT 5334

Elastic Legendre Coefficients

53-I -130



18

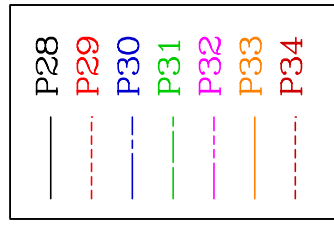
Incident Energy (MeV)

53-I -130

MAT 5334

Elastic
Legendre Coefficients

53-I -130



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

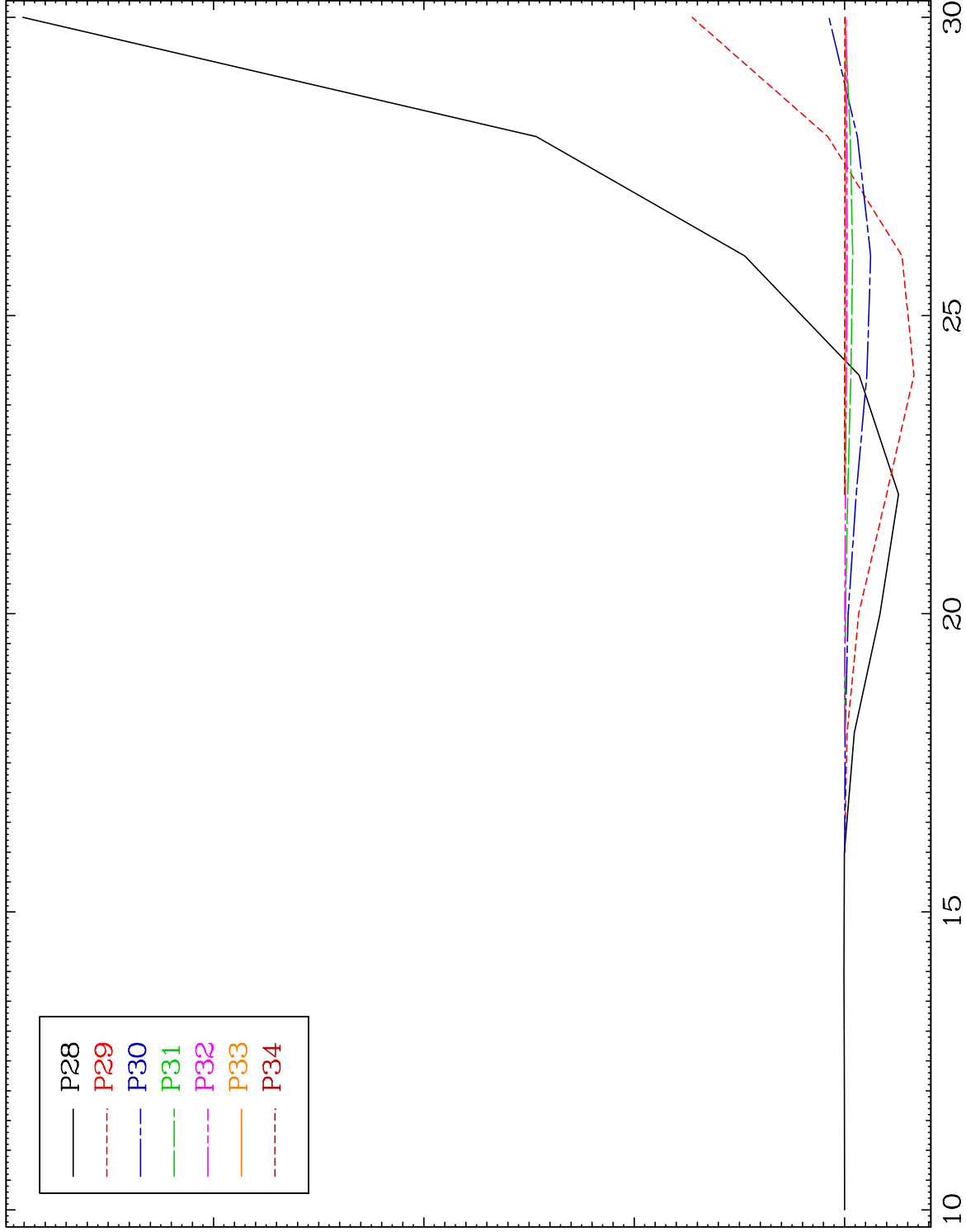
25

30

19

Incident Energy (MeV)

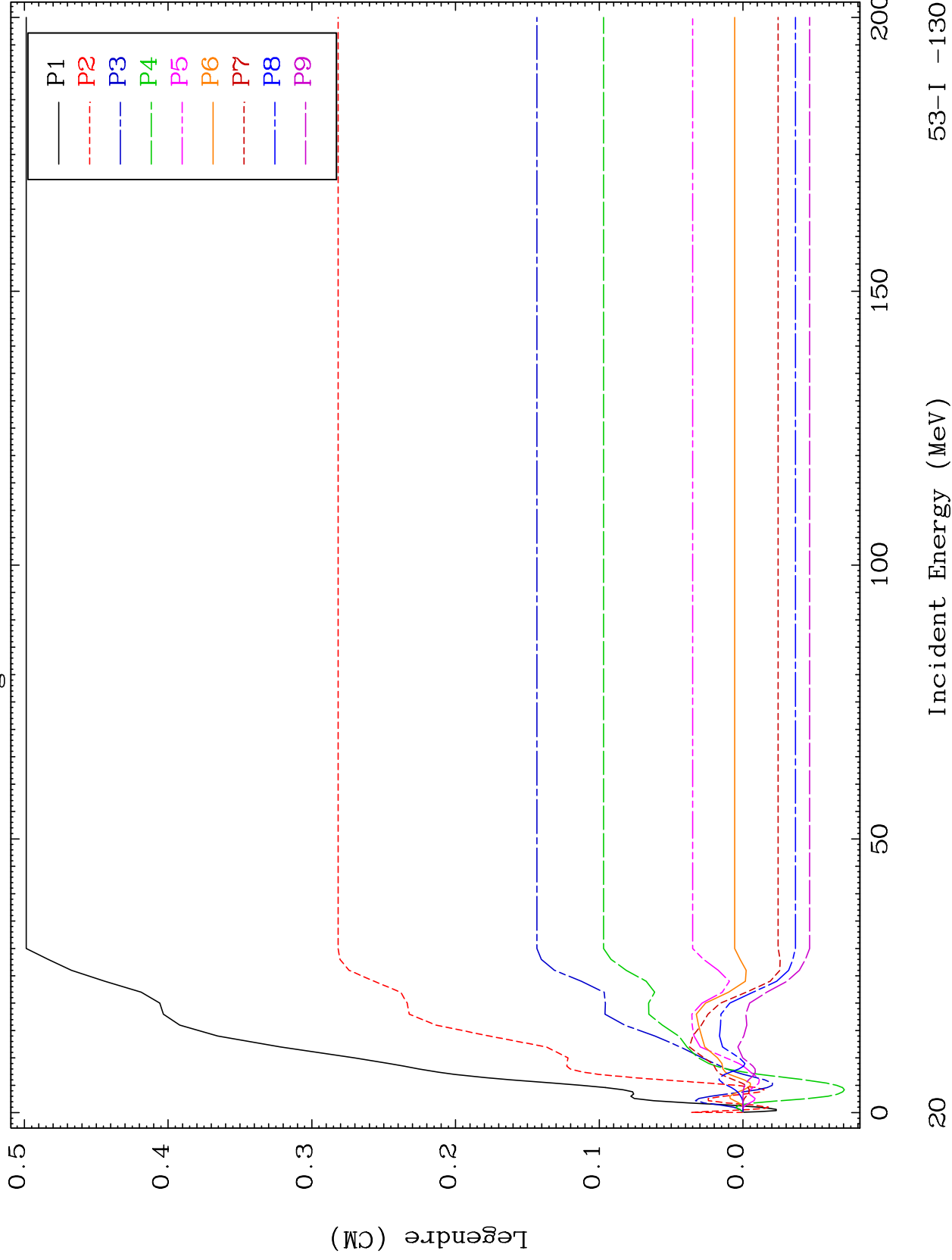
53-I -130



MAT 5334

39.95 keV (n,n') Level
Legendre Coefficients

53-I -130

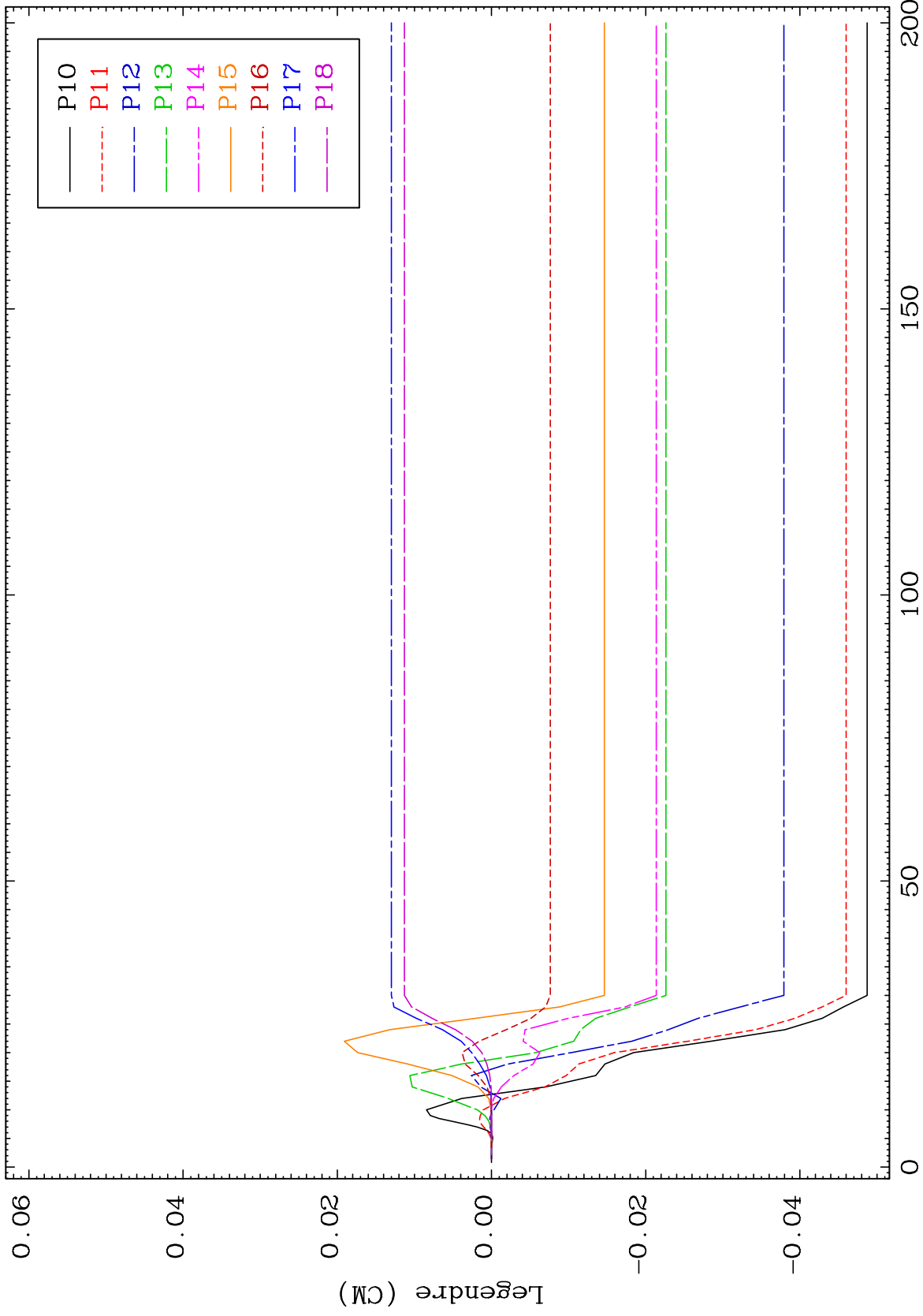


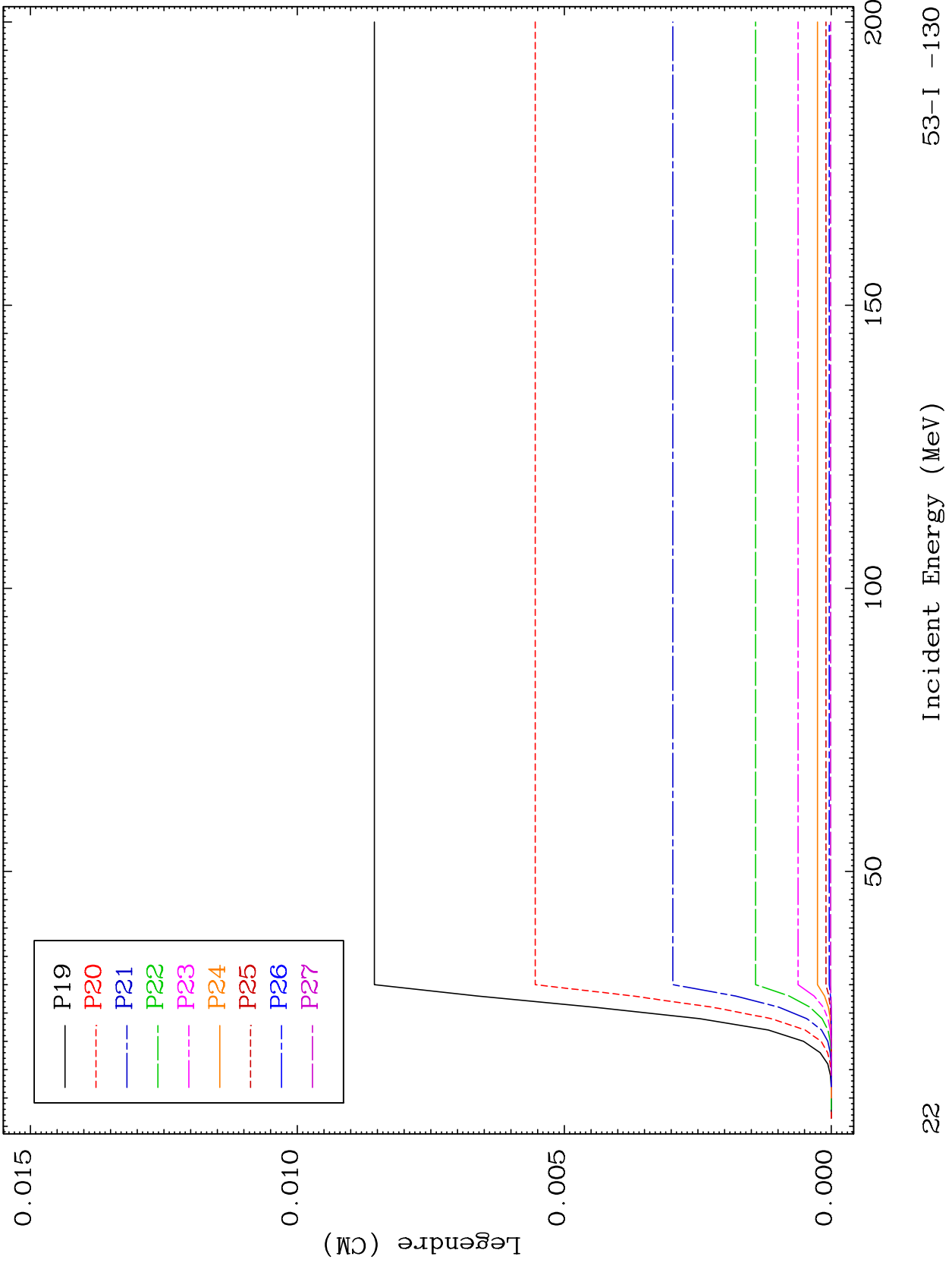
53-I -130

MAT 5334

39.95 keV (n,n') Level
Legendre Coefficients

53-I -130

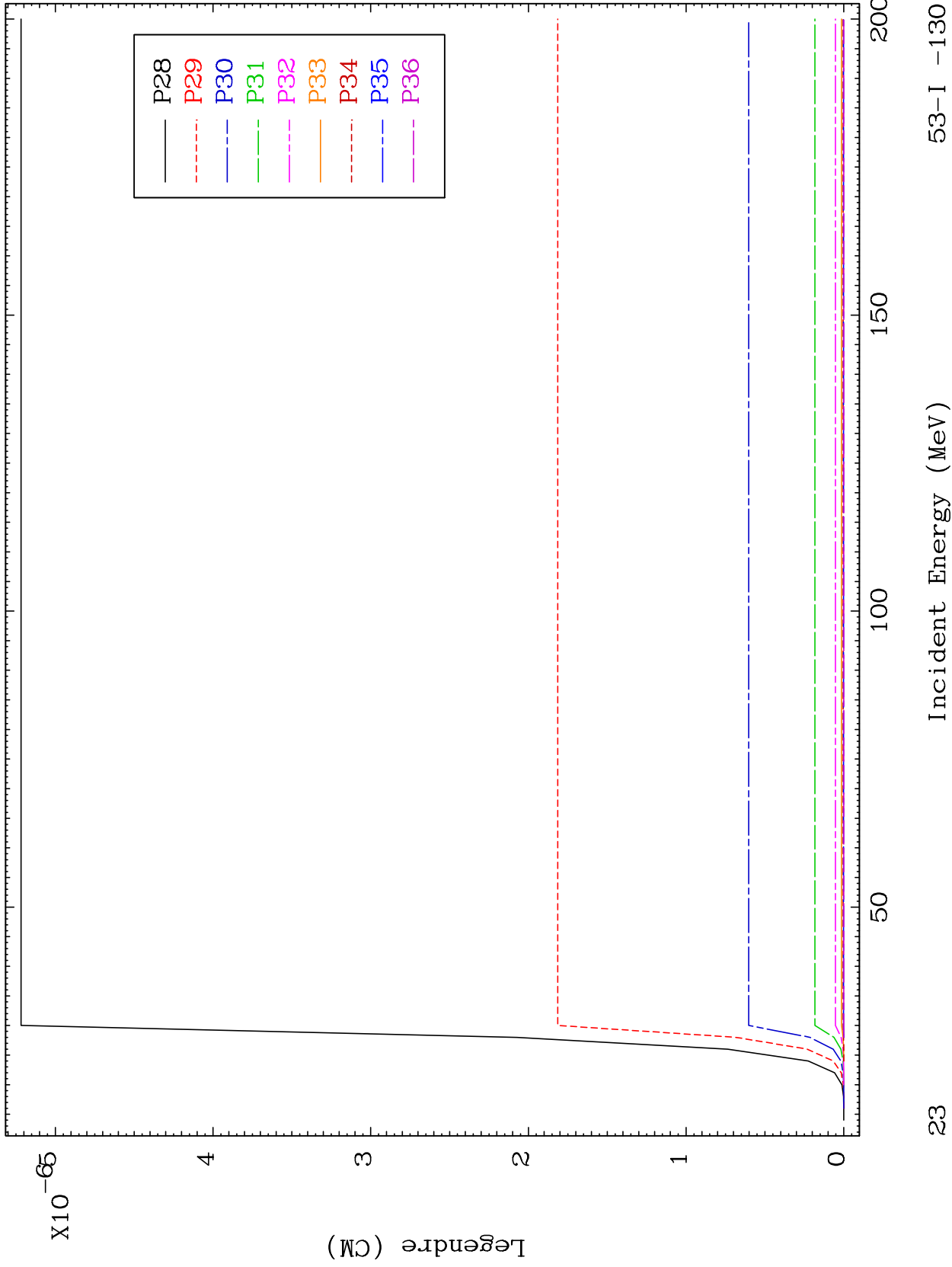


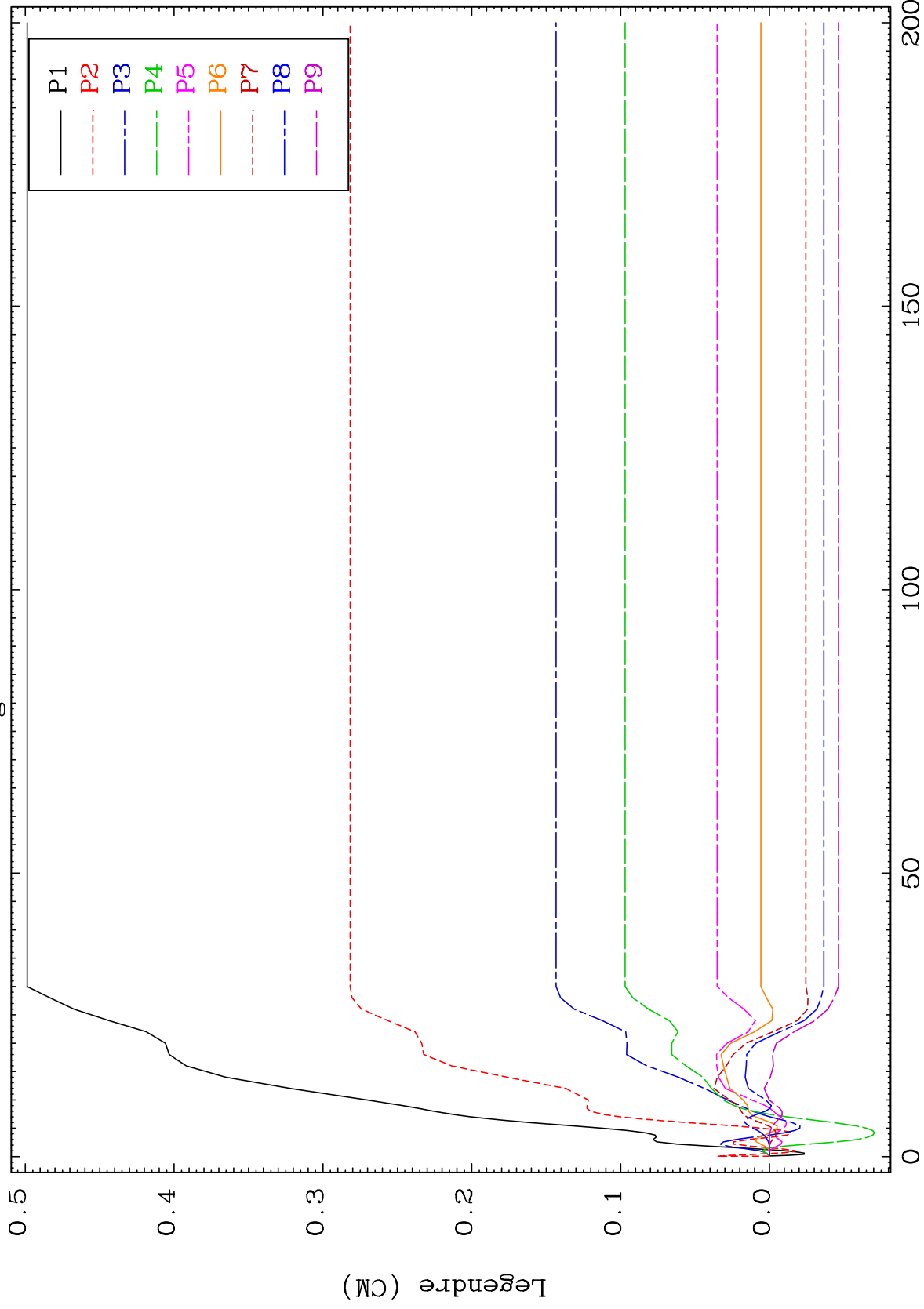


MAT 5334

39.95 keV (n,n') Level
Legendre Coefficients

53-I -130

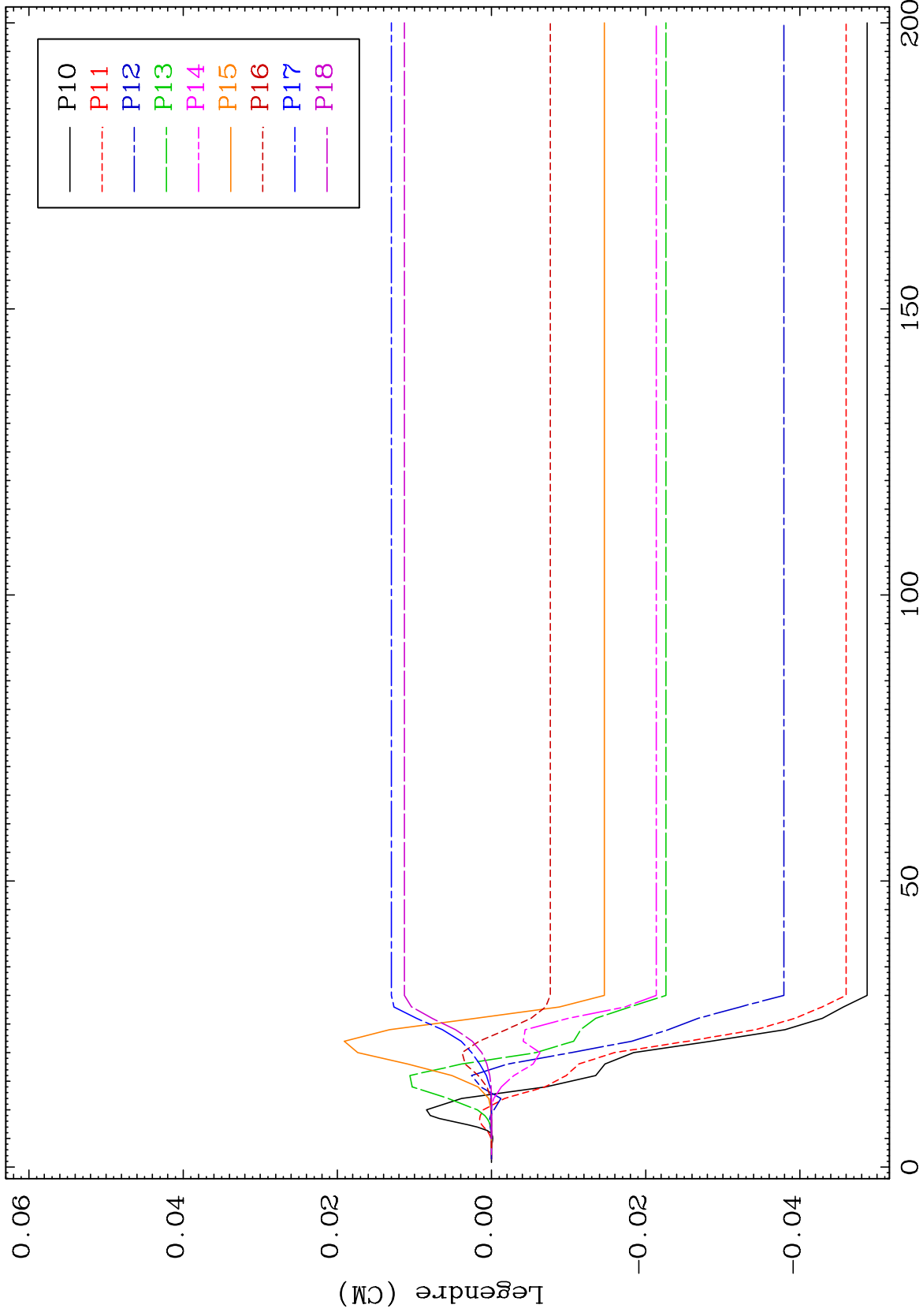




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43.25 keV (n,n') Level
Legendre Coefficients

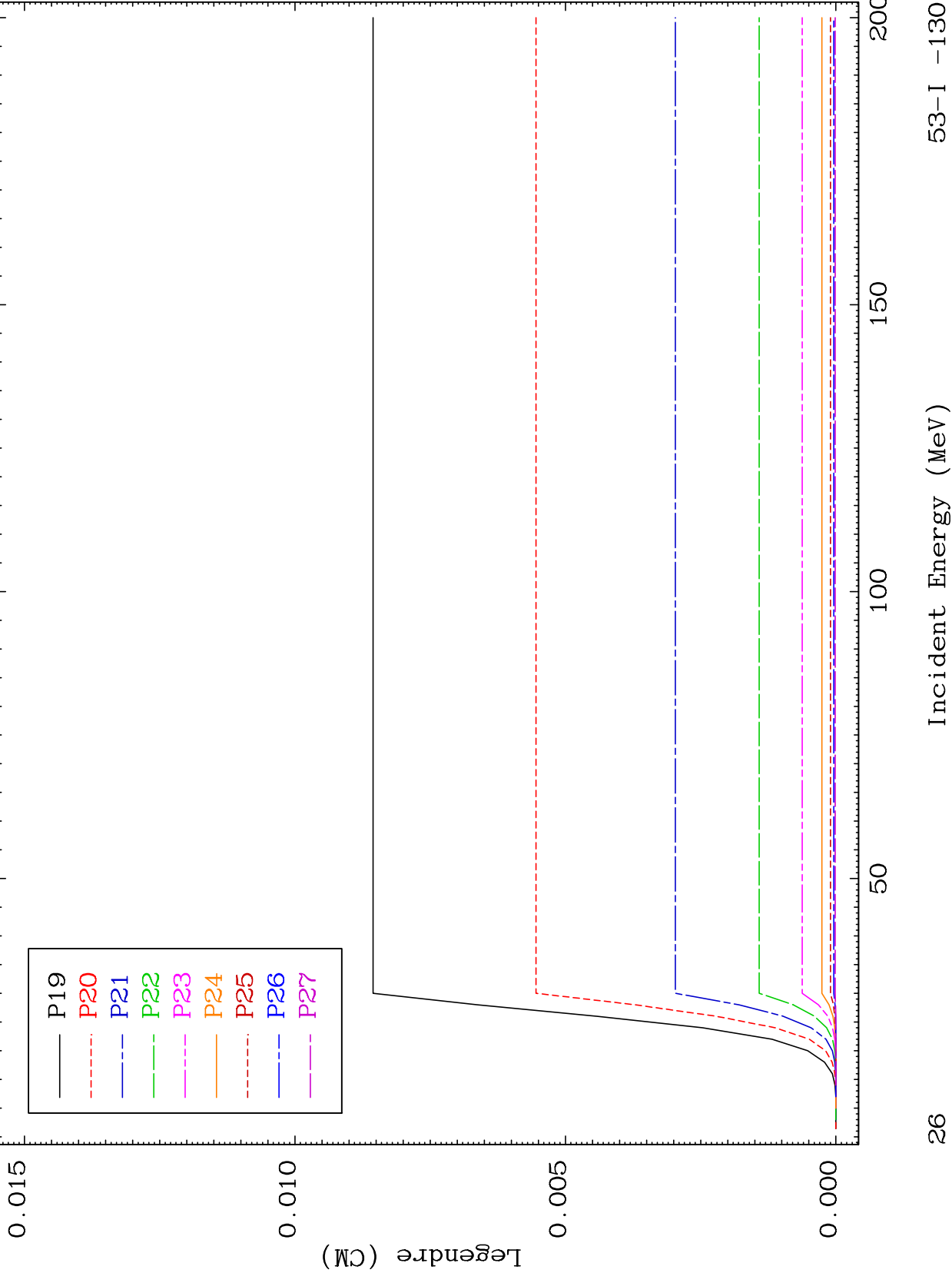
53-I -130



25

Incident Energy (MeV)

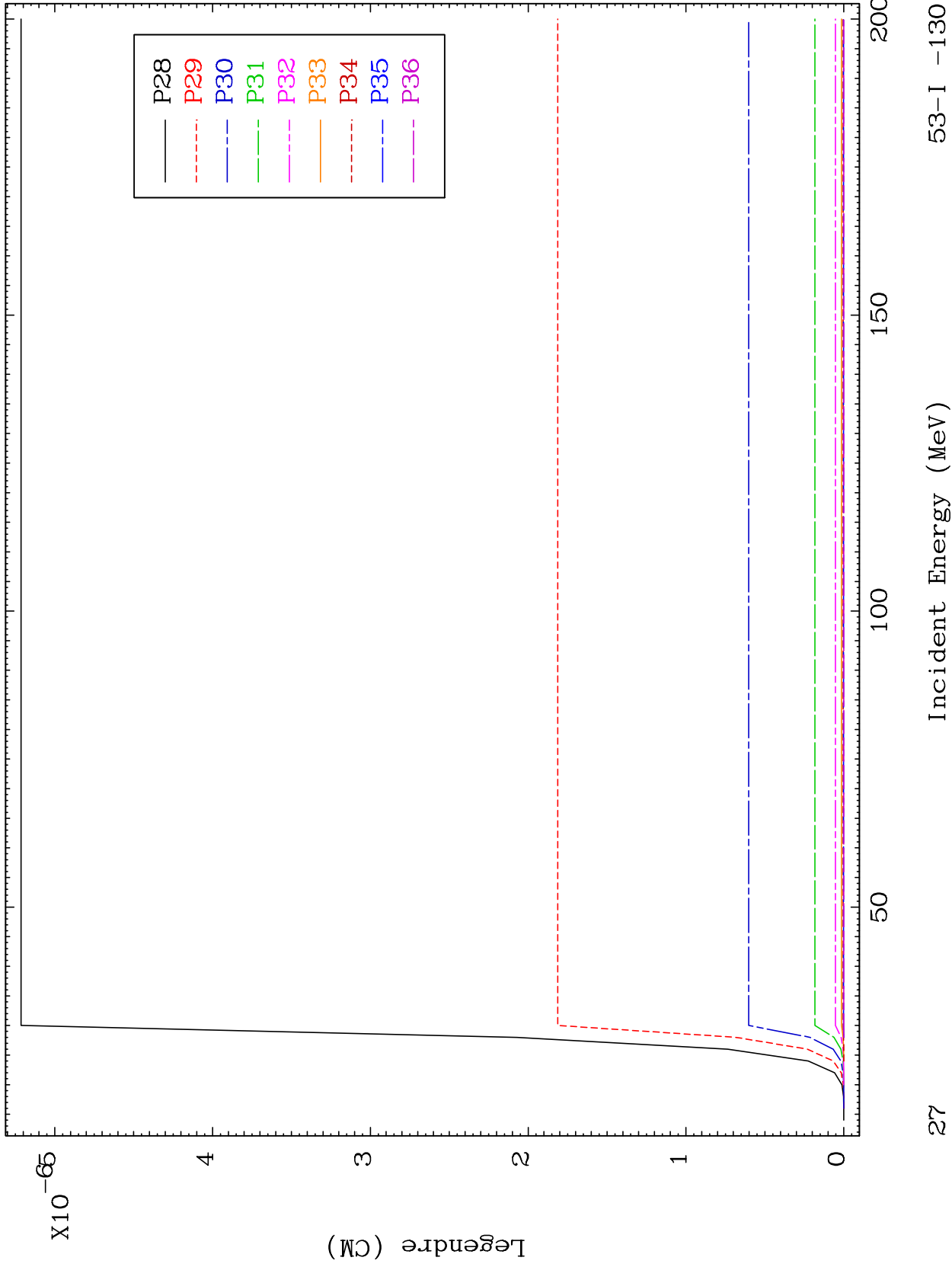
53-I -130



MAT 5334

43.25 keV (n,n') Level
Legendre Coefficients

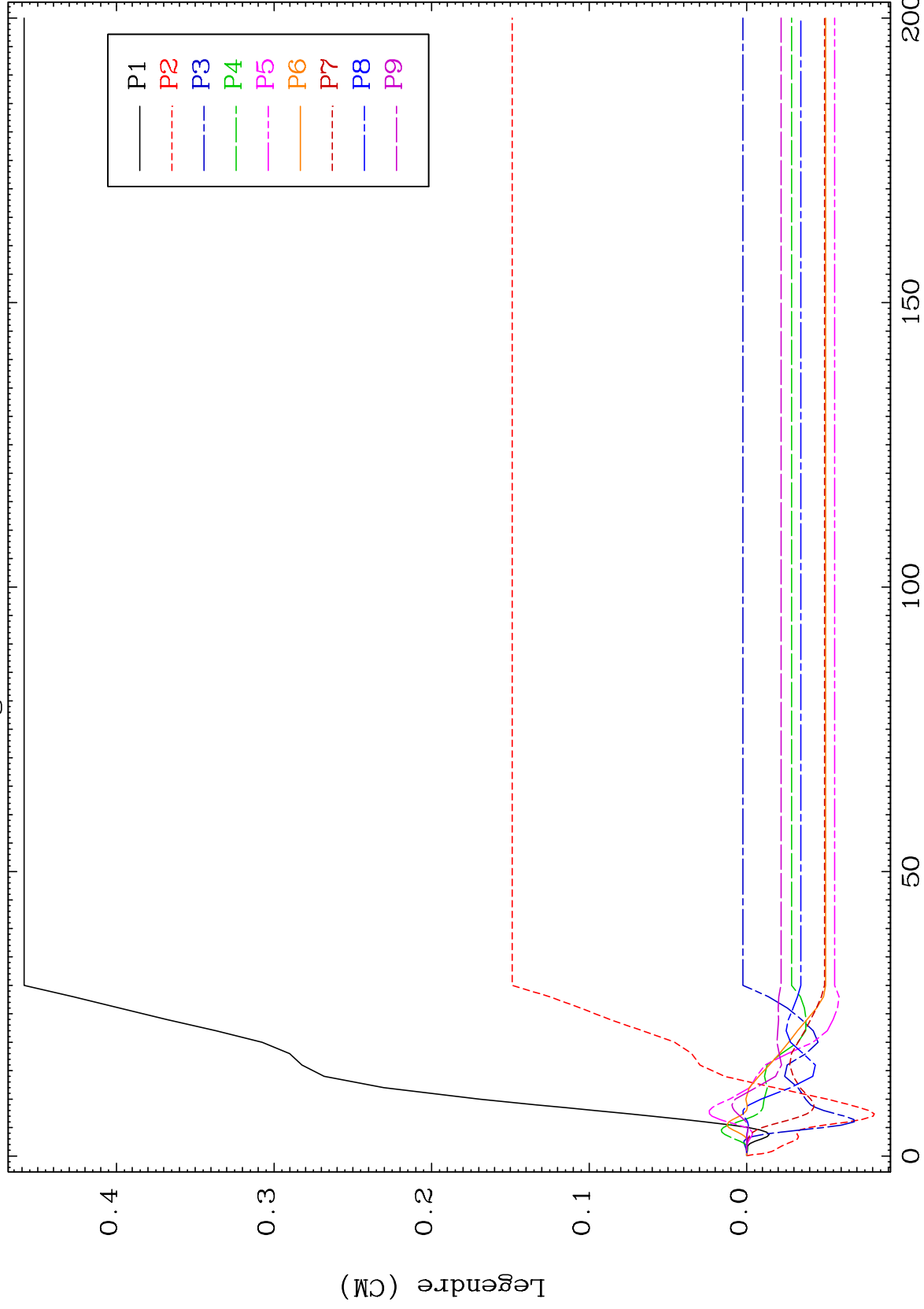
53-I -130



MAT 5334

45.26 keV (n,n') Level
Legendre Coefficients

53-I -130



28

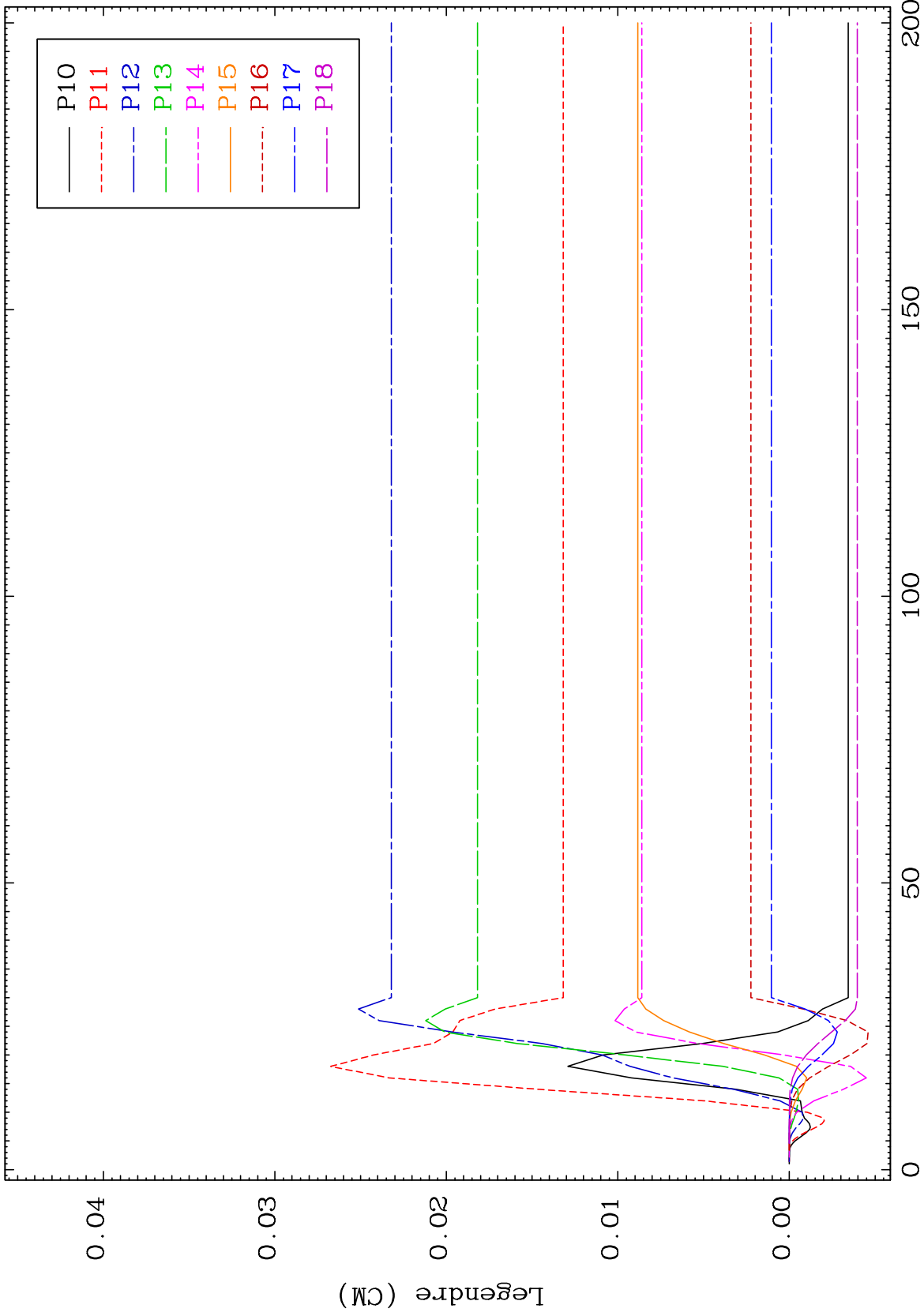
Incident Energy (MeV)

53-I -130

MAT 5334

45.26 keV (n,n') Level
Legendre Coefficients

53-I -130



29

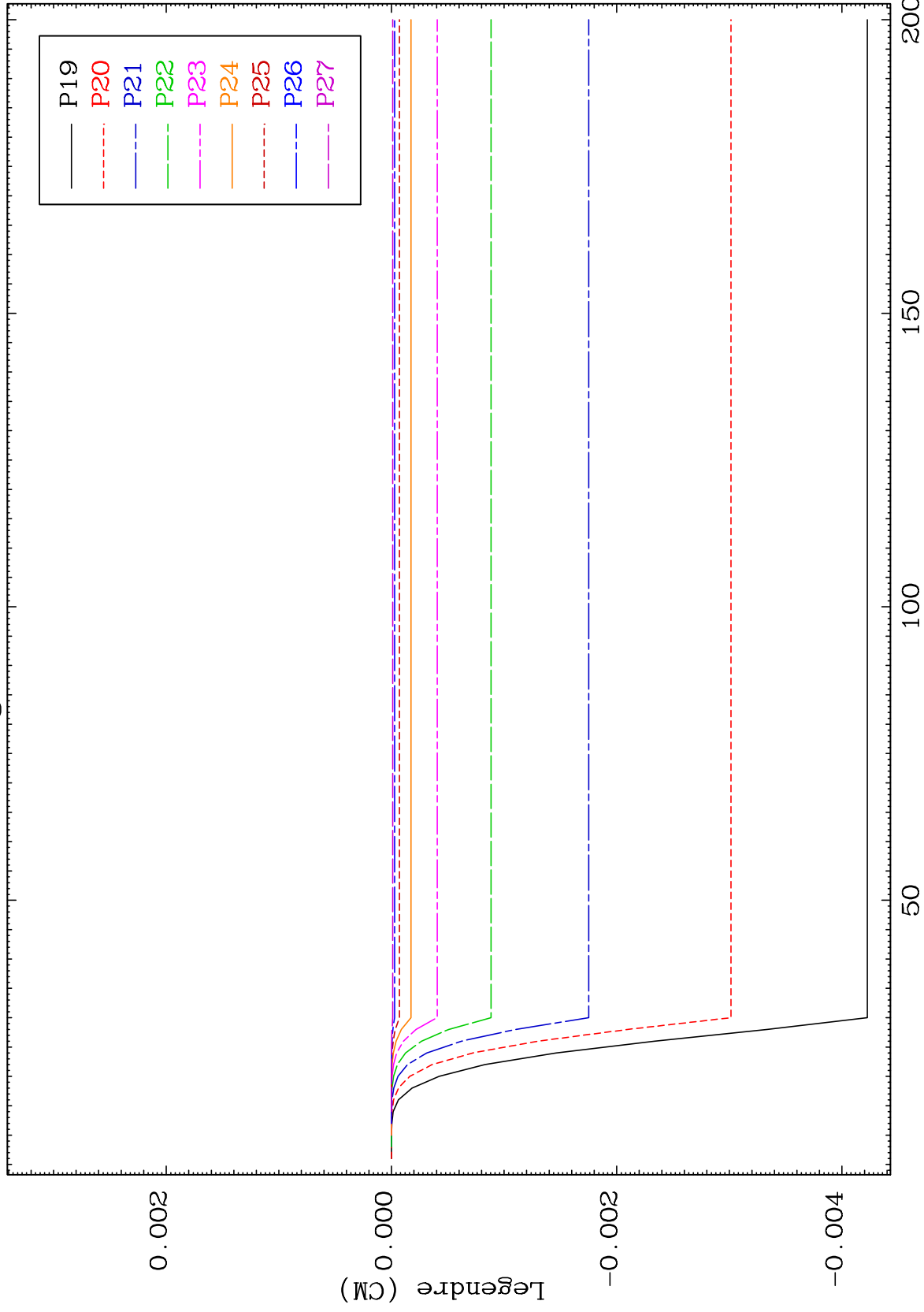
Incident Energy (MeV)

53-I -130

MAT 5334

45.26 keV (n,n') Level
Legendre Coefficients

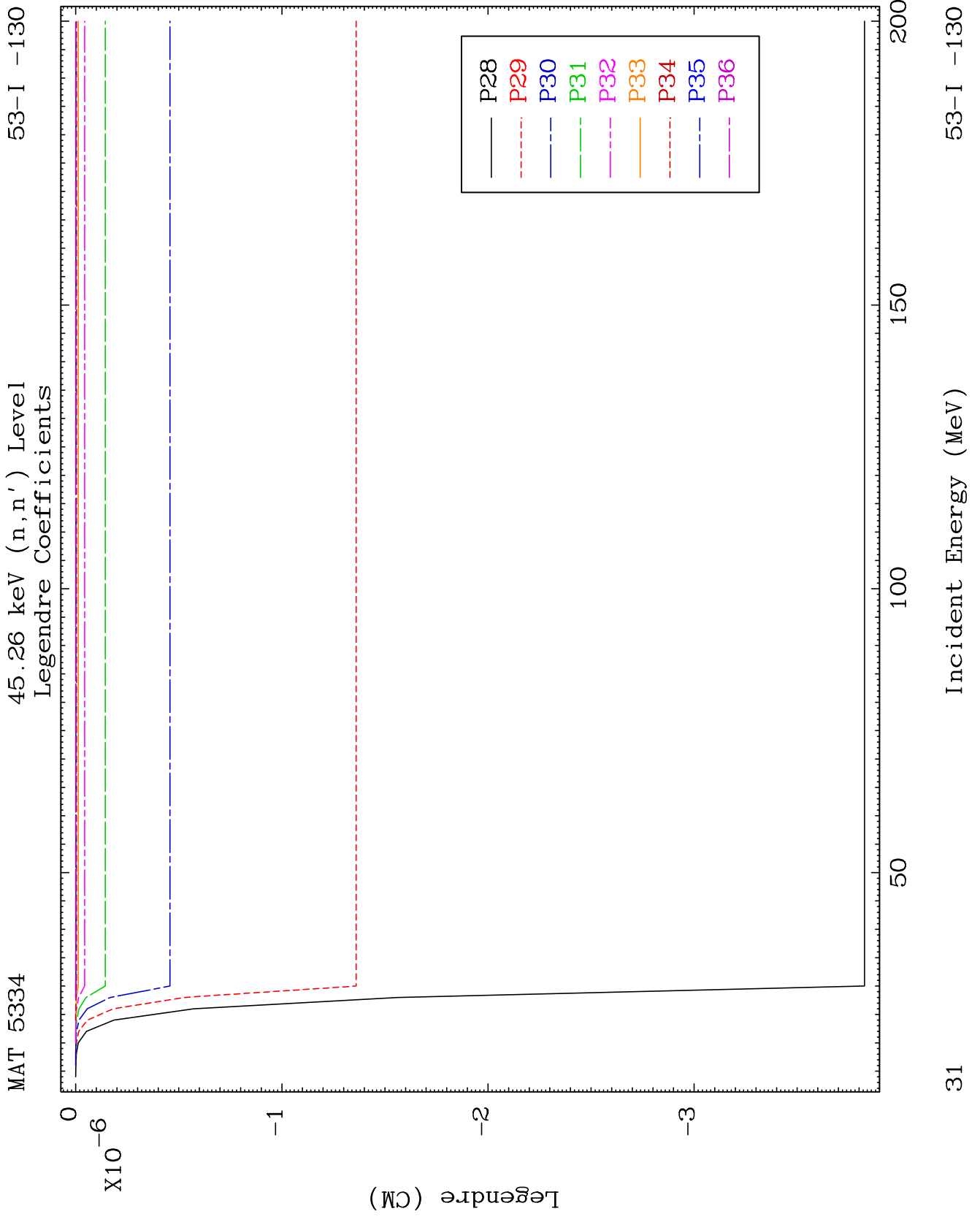
53-I -130



30

Incident Energy (MeV)

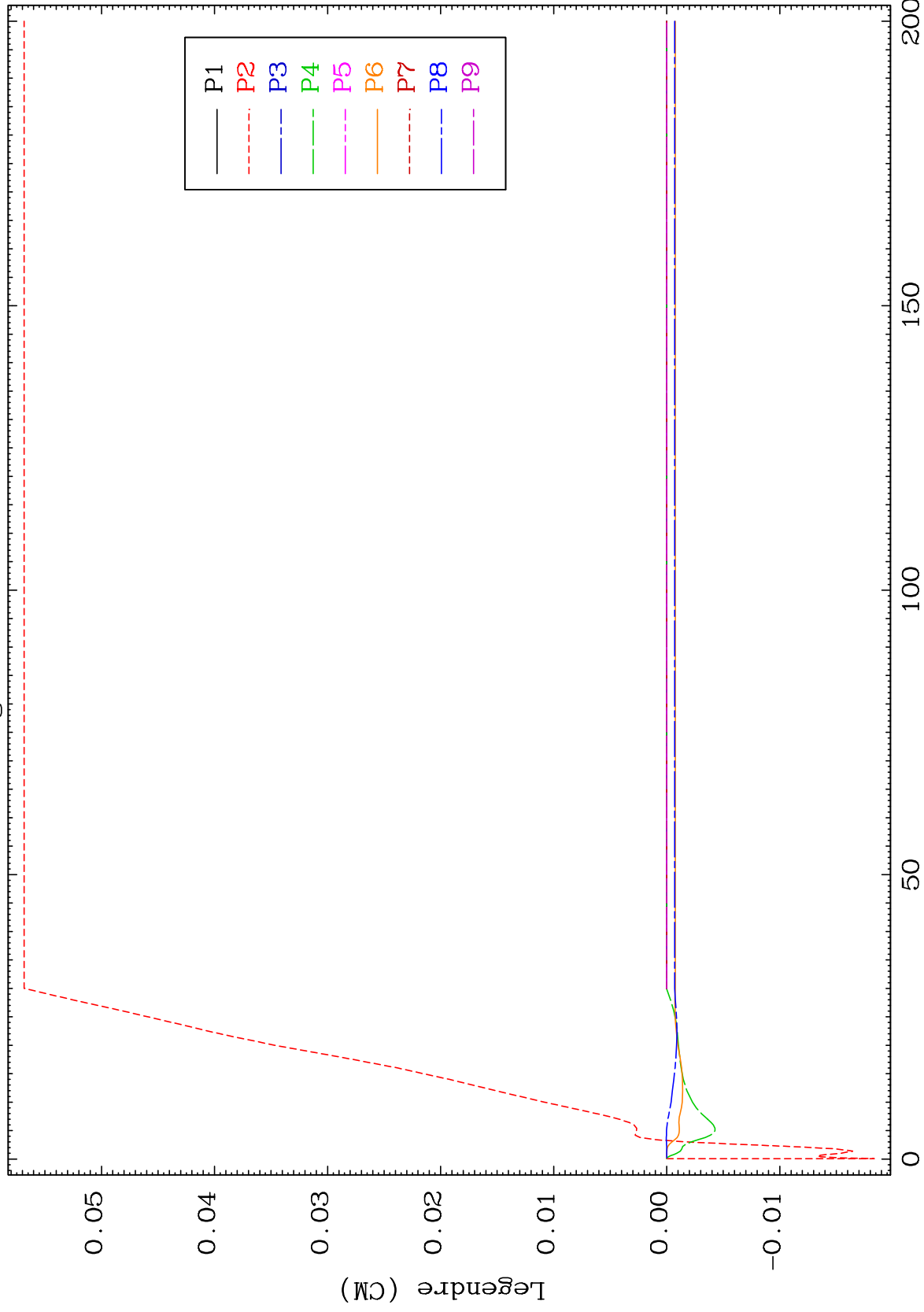
53-I -130



MAT 5334

46.58 keV (n,n') Level
Legendre Coefficients

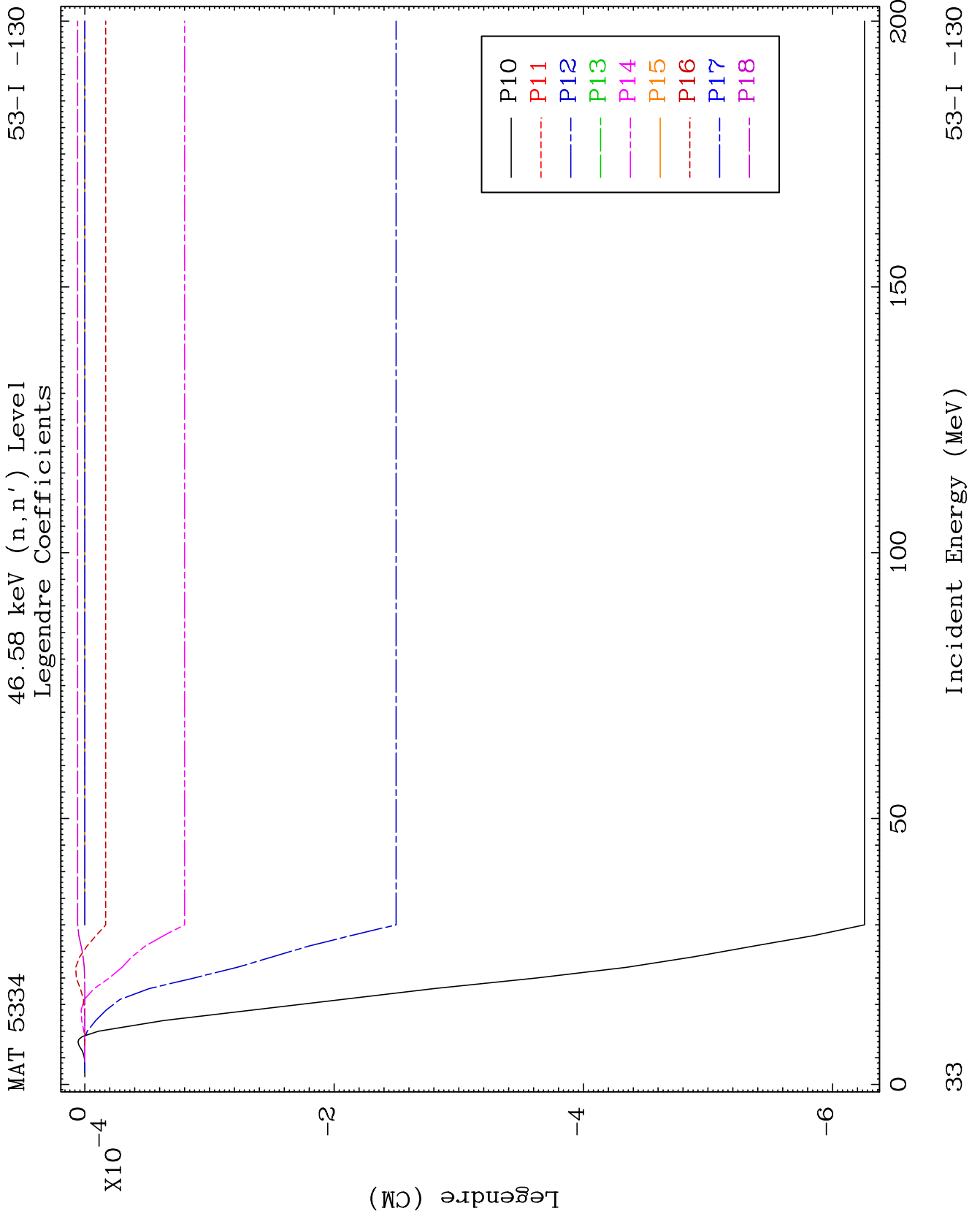
53-I -130

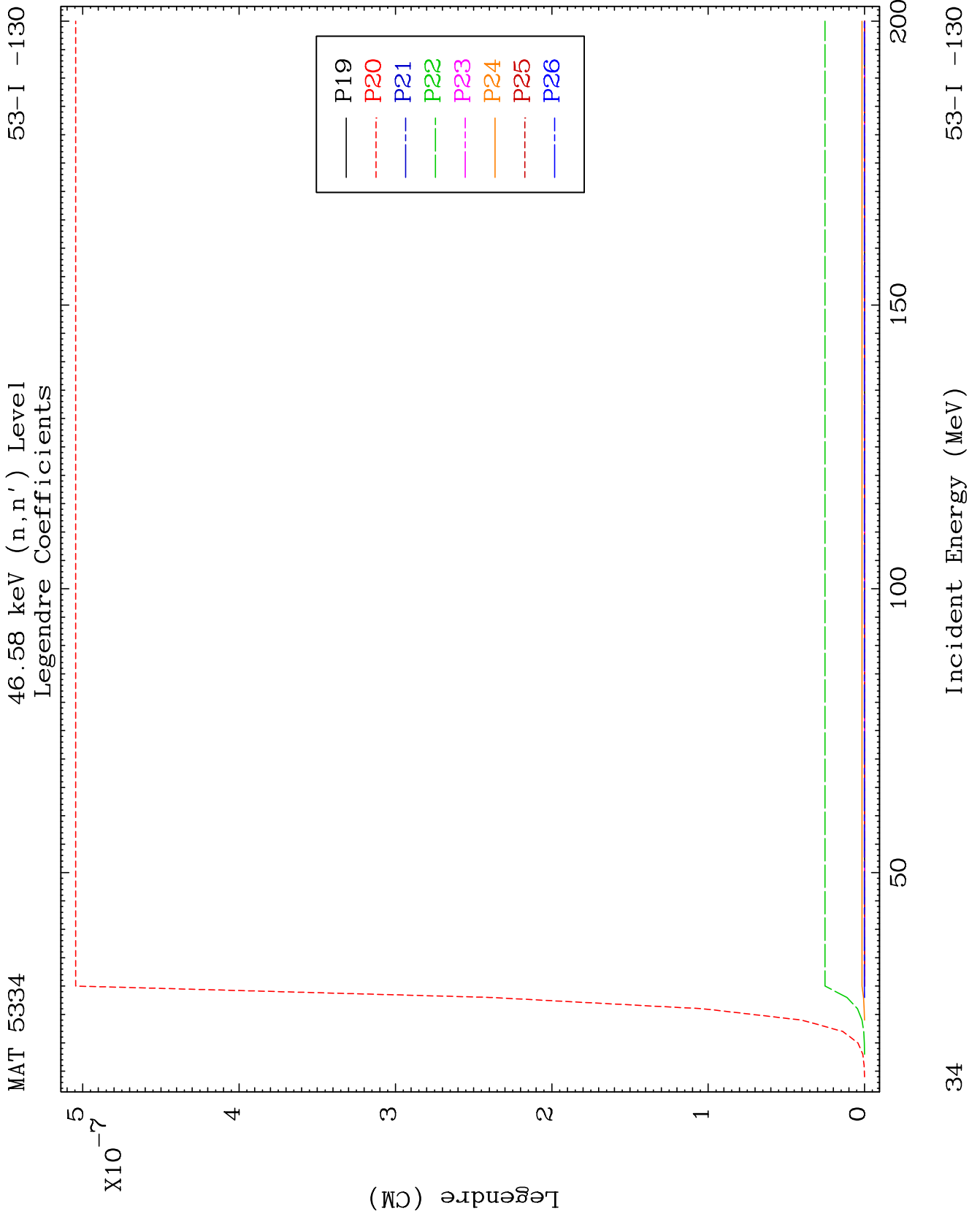


32

Incident Energy (MeV)

53-I -130

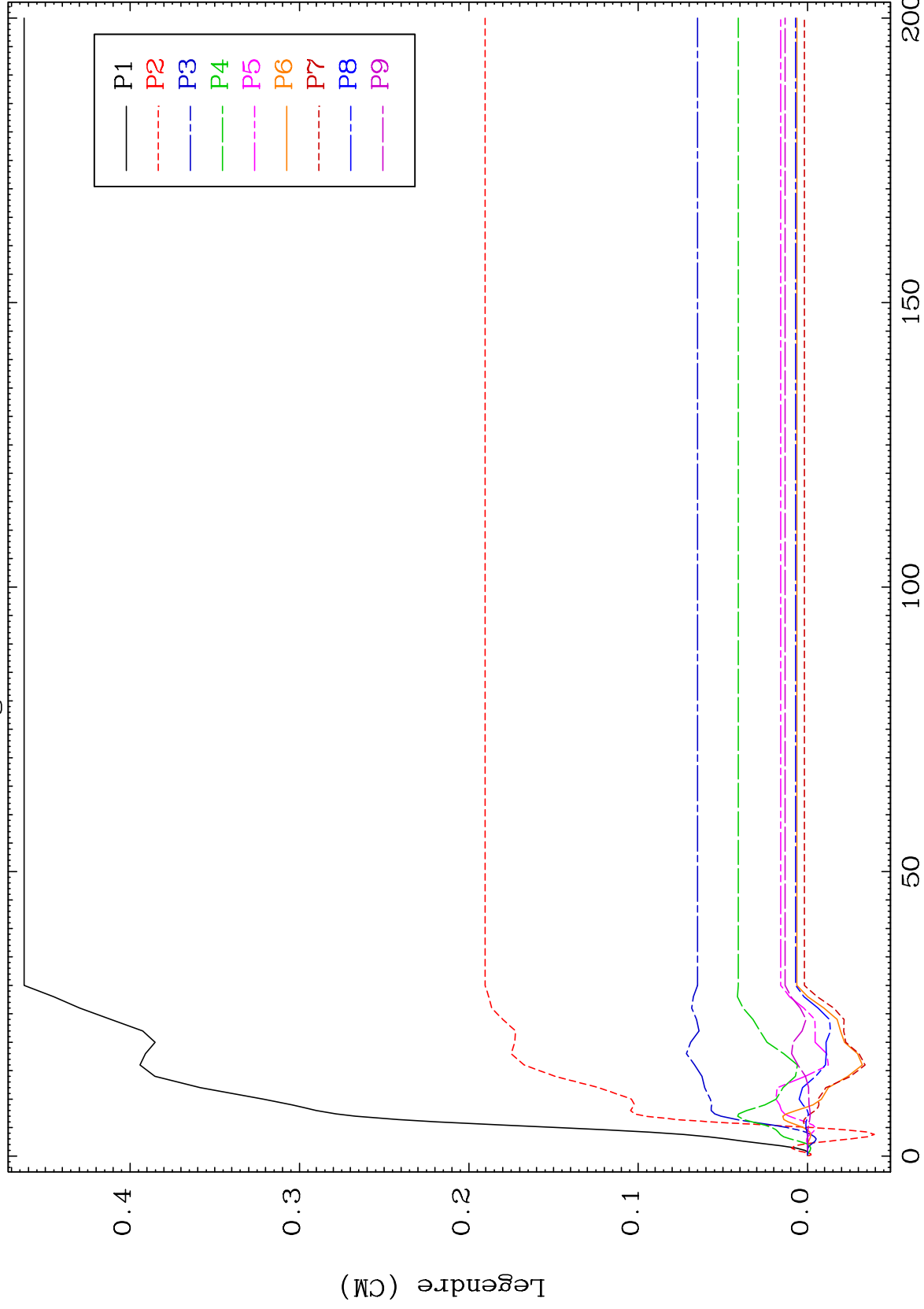




MAT 5334

48.83 keV (n,n') Level
Legendre Coefficients

53-I -130



Incident Energy (MeV)

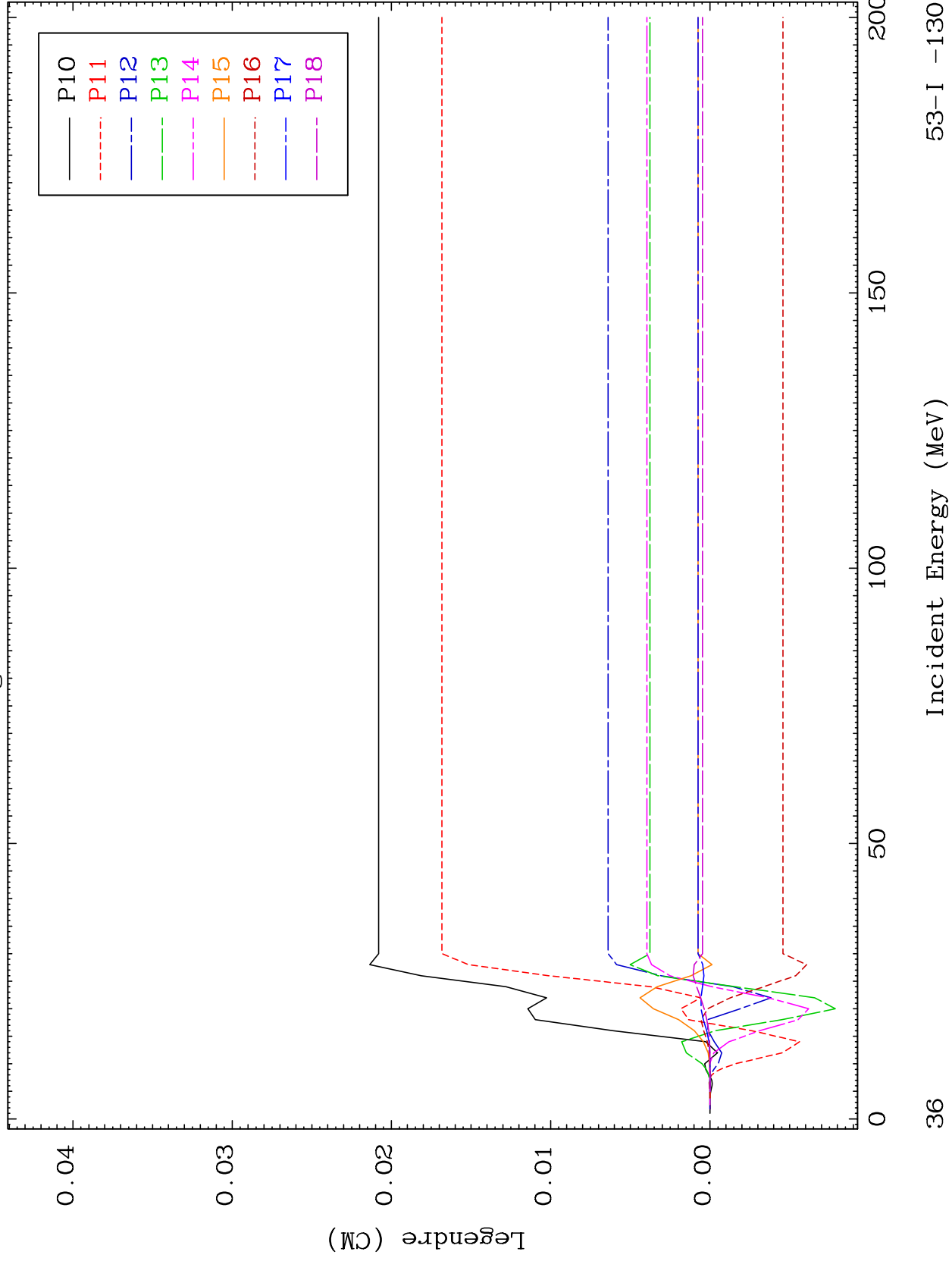
53-I -130

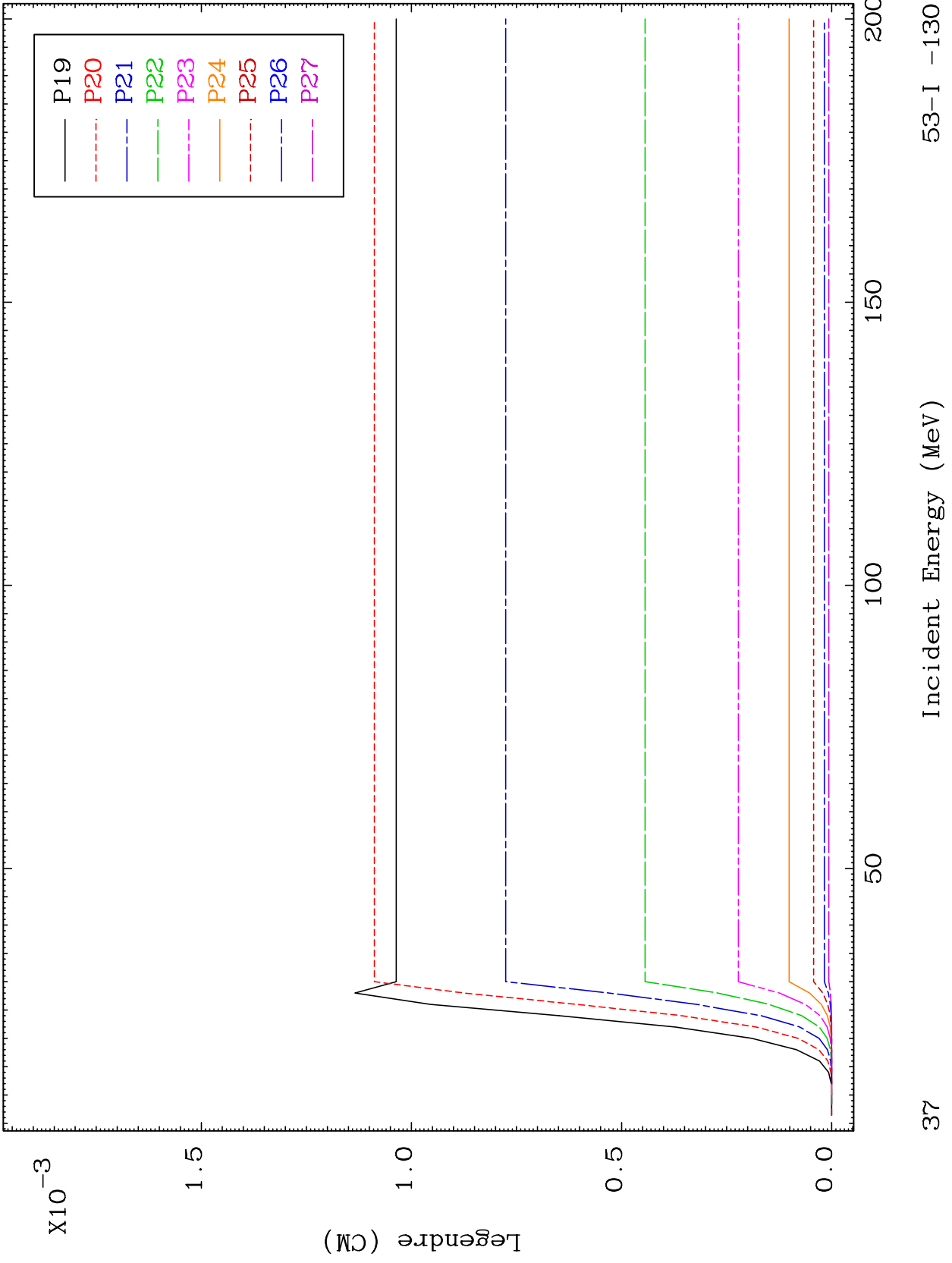
35

MAT 5334

48.83 keV (n,n') Level
Legendre Coefficients

53-I -130

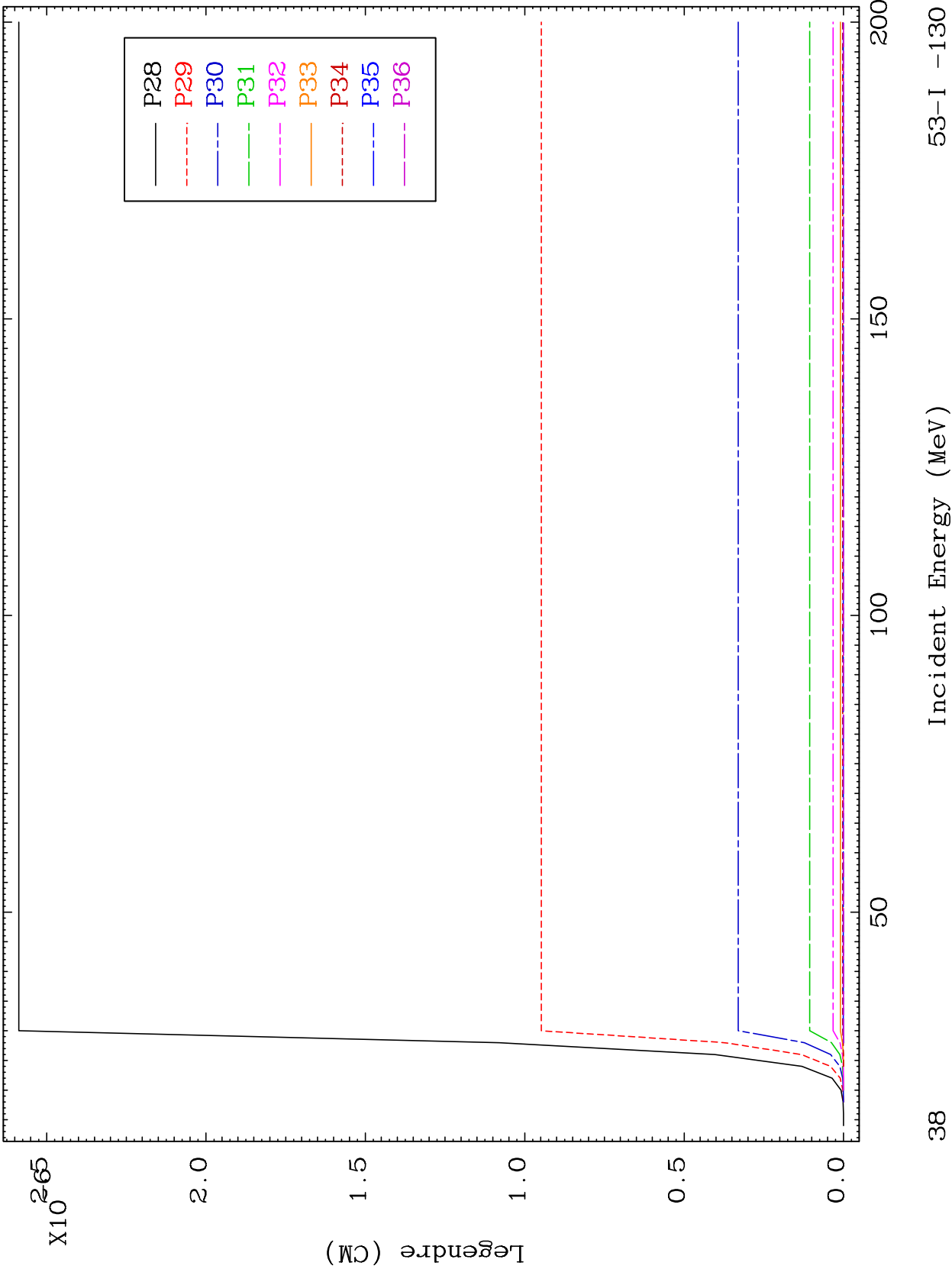




MAT 5334

48.83 keV (n,n') Level
Legendre Coefficients

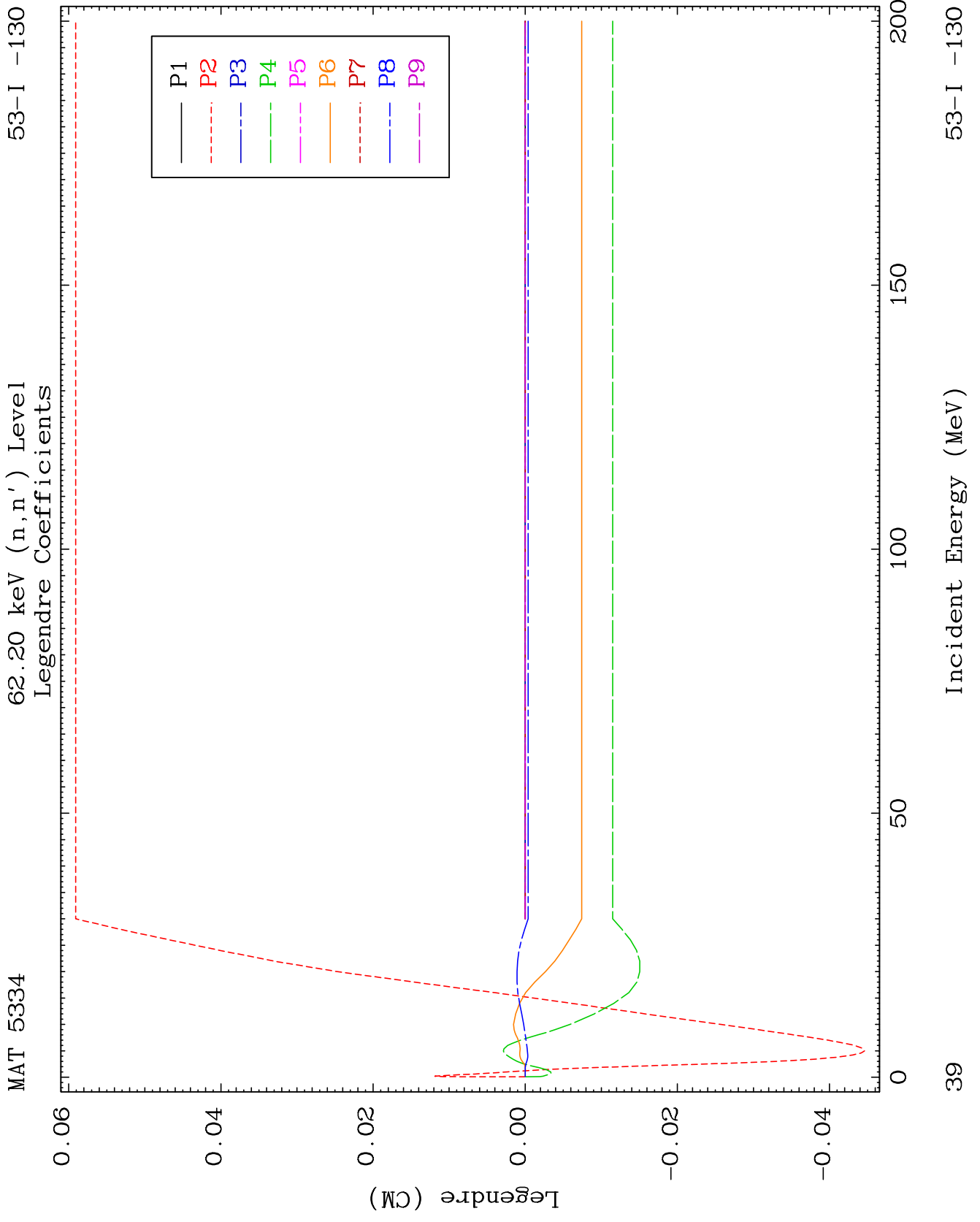
53-I -130



38

Incident Energy (MeV)

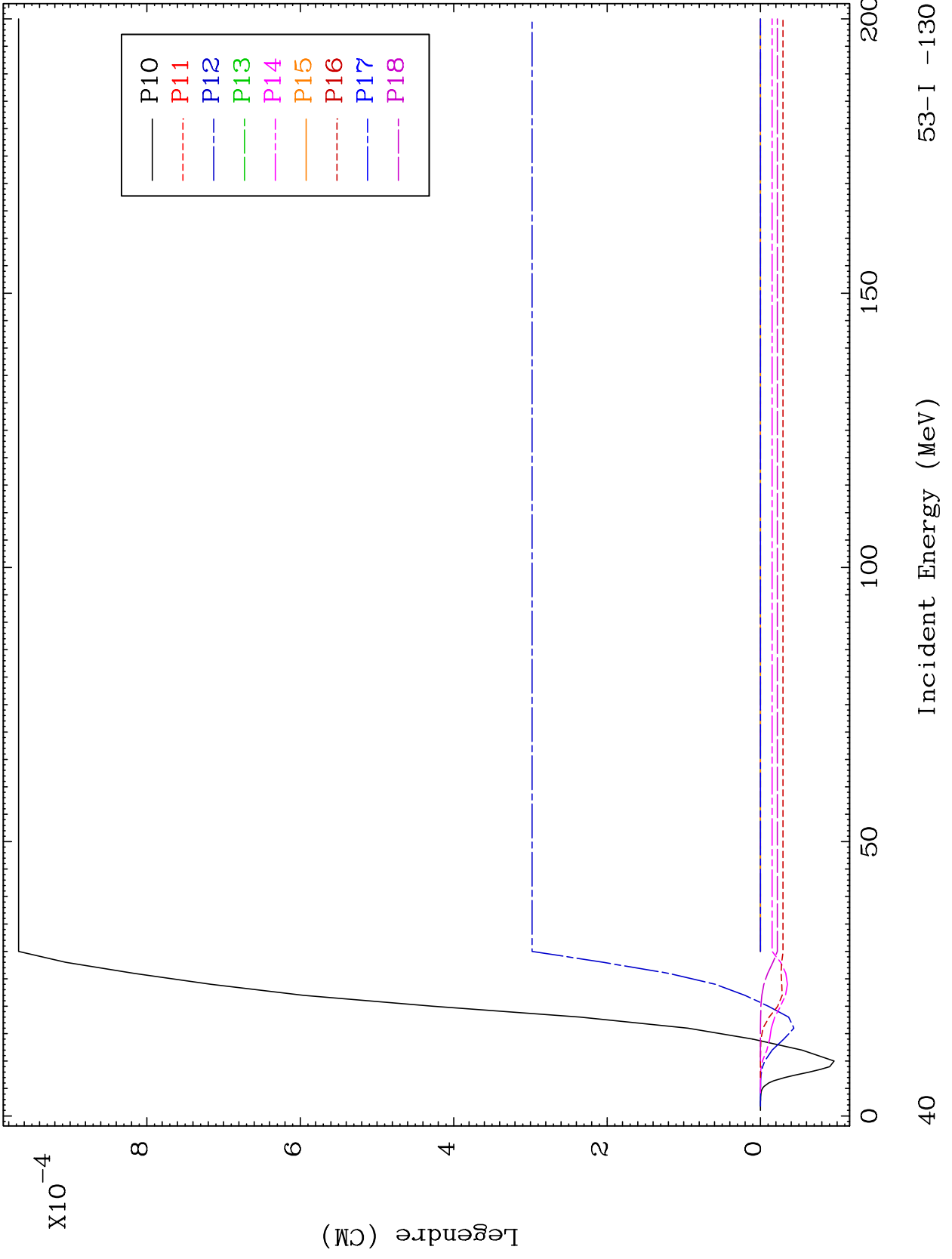
53-I -130



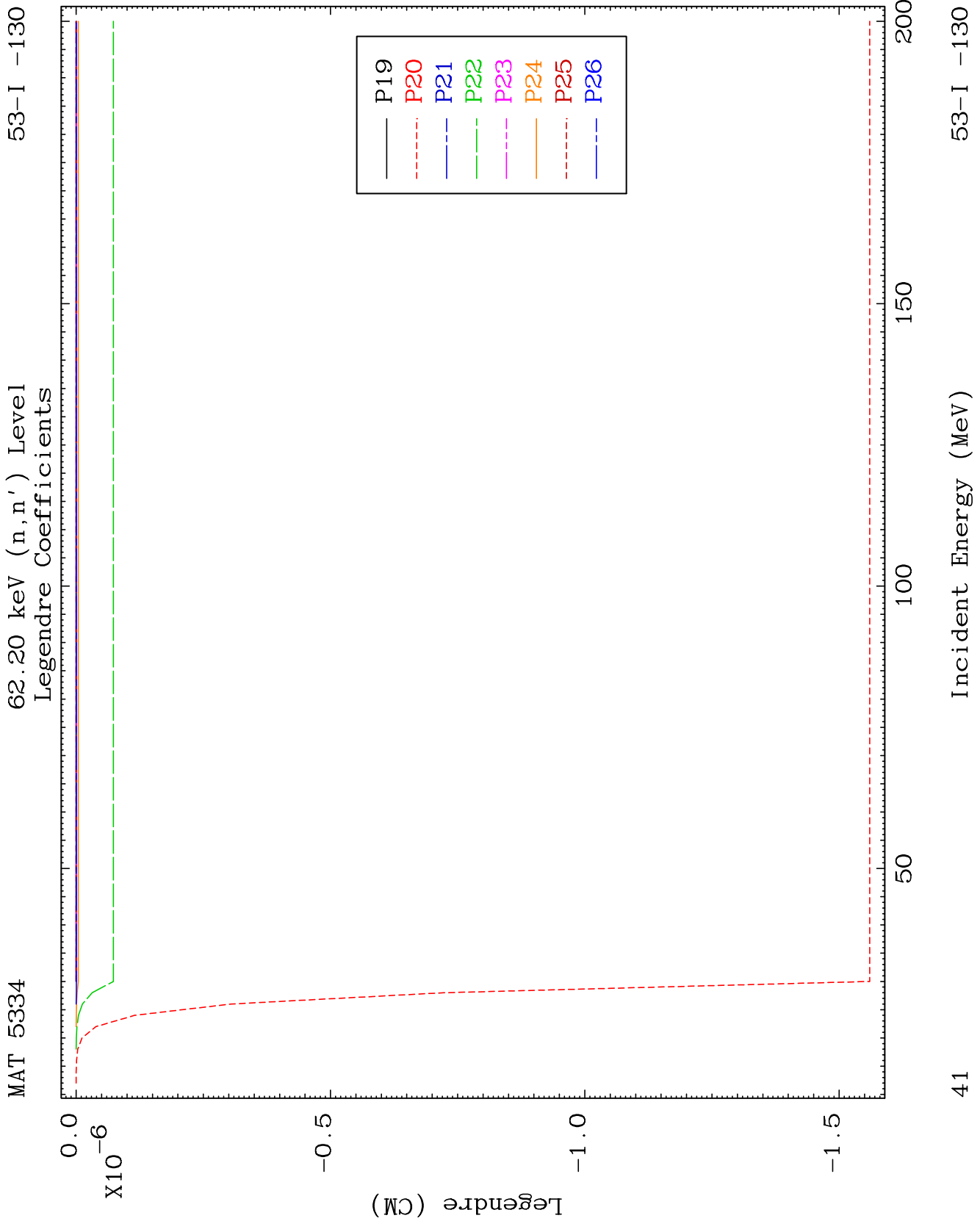
MAT 5334

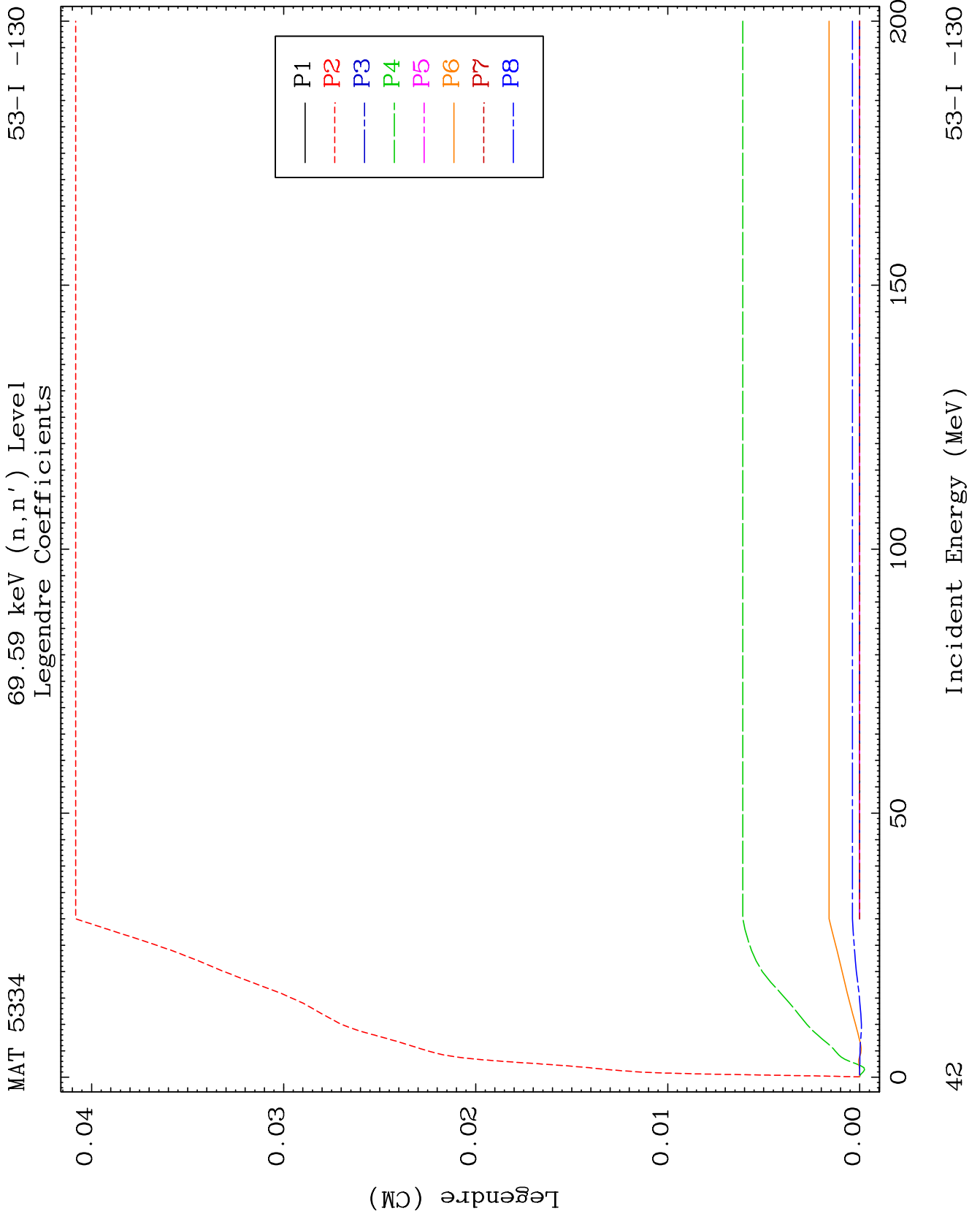
62.20 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

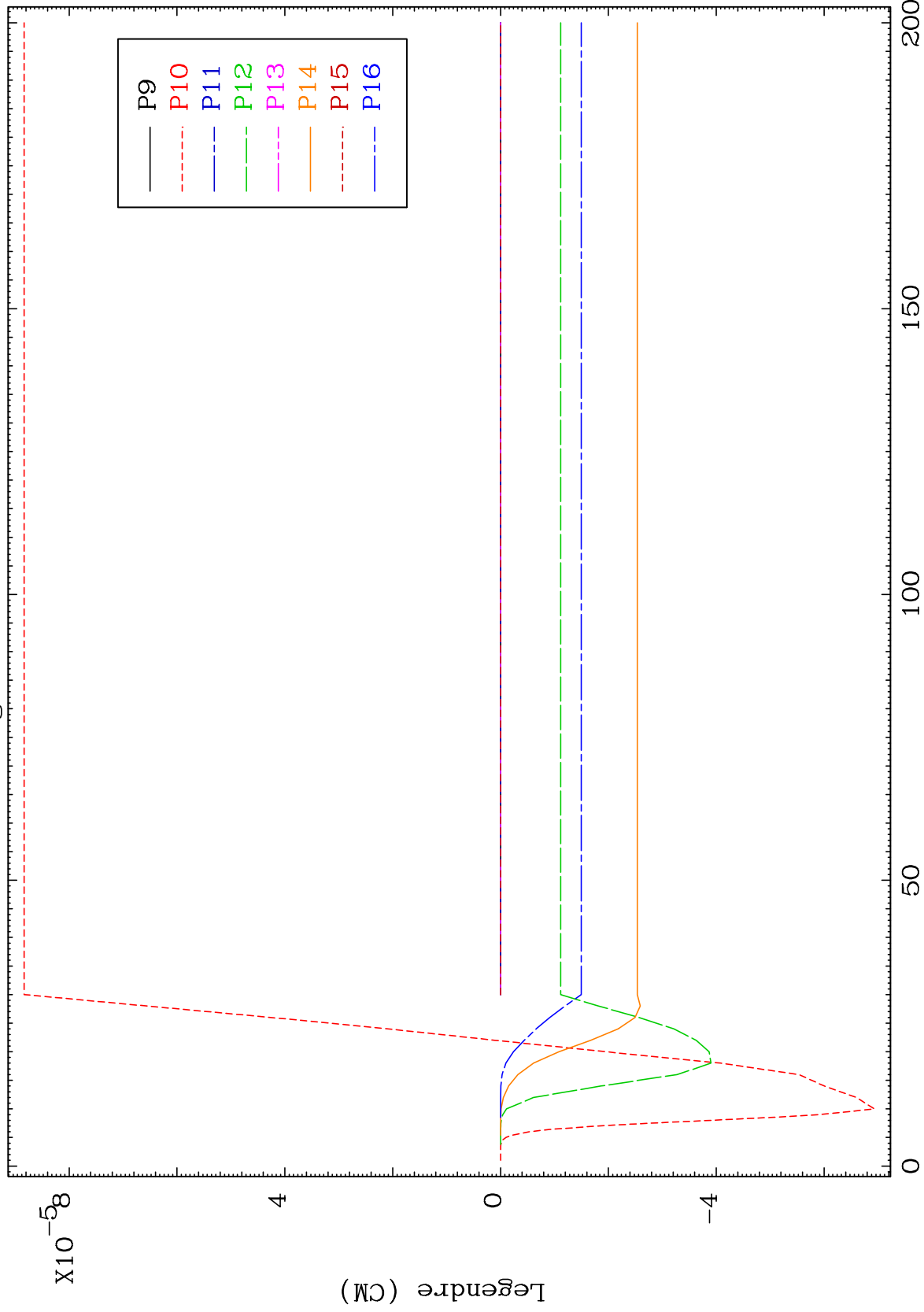




MAT 5334

69.59 keV (n,n') Level
Legendre Coefficients

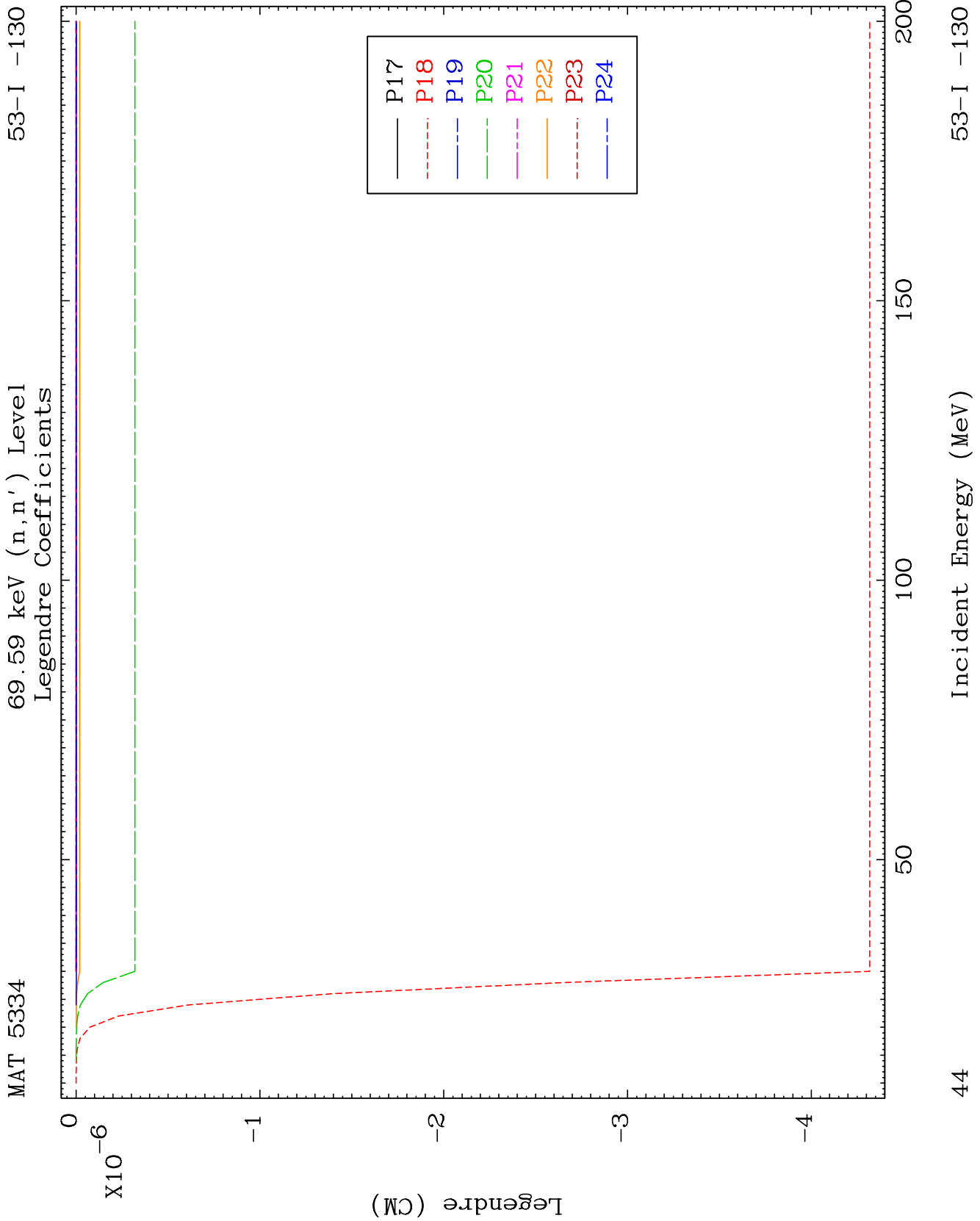
53-I -130



43

Incident Energy (MeV)

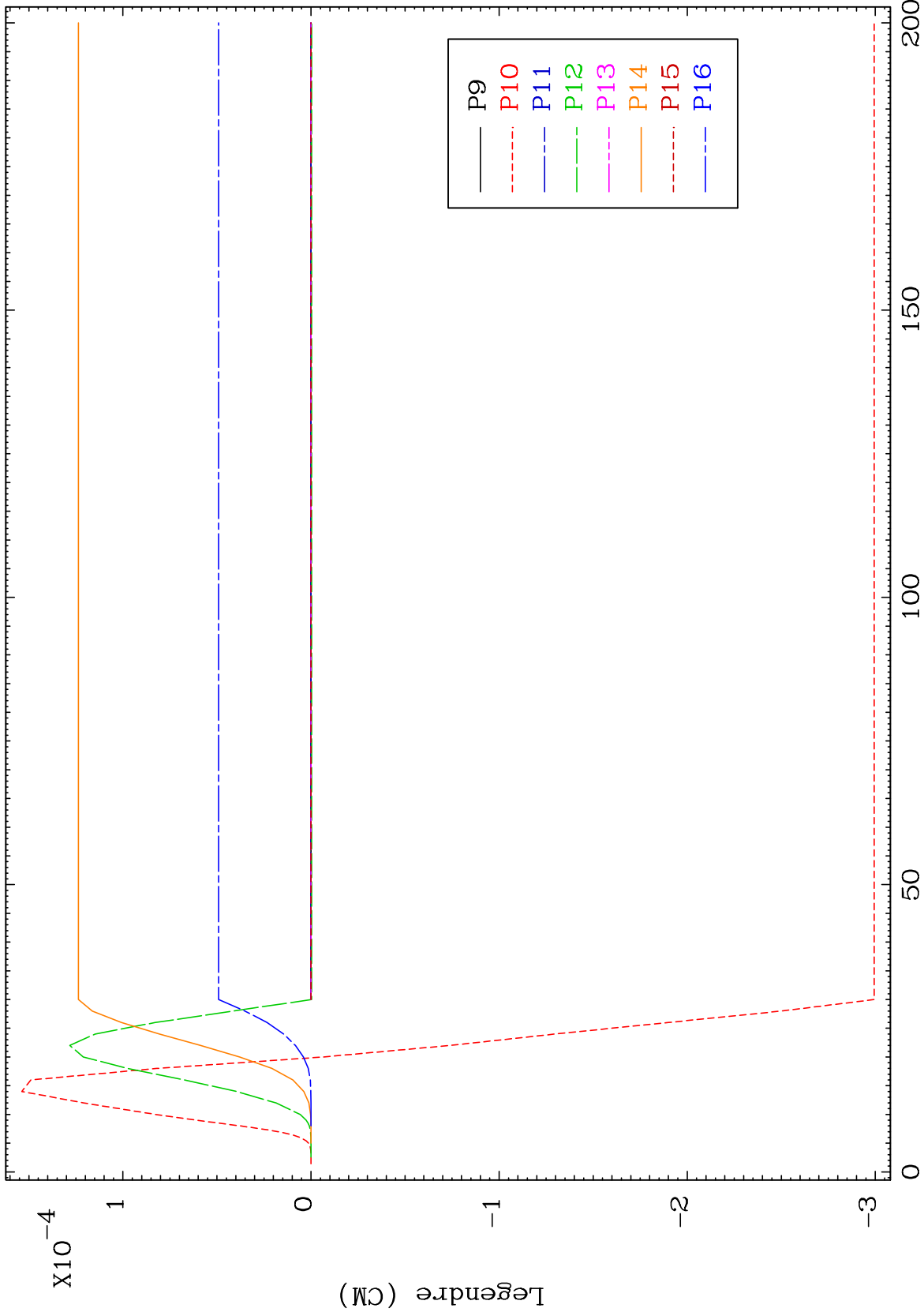
53-I -130



MAT 5334

80.00 keV (n,n') Level
Legendre Coefficients

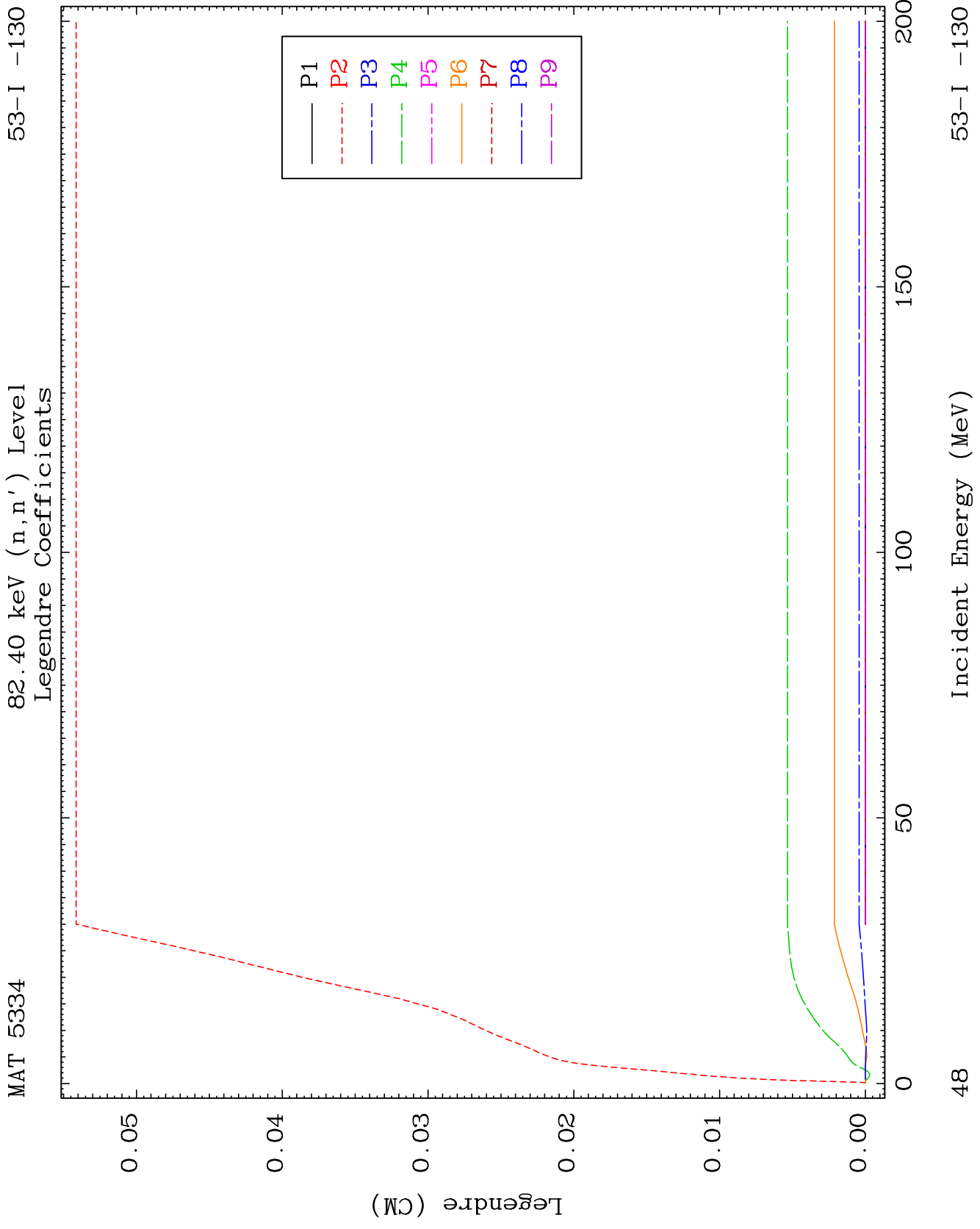
53-I -130



46

Incident Energy (MeV)

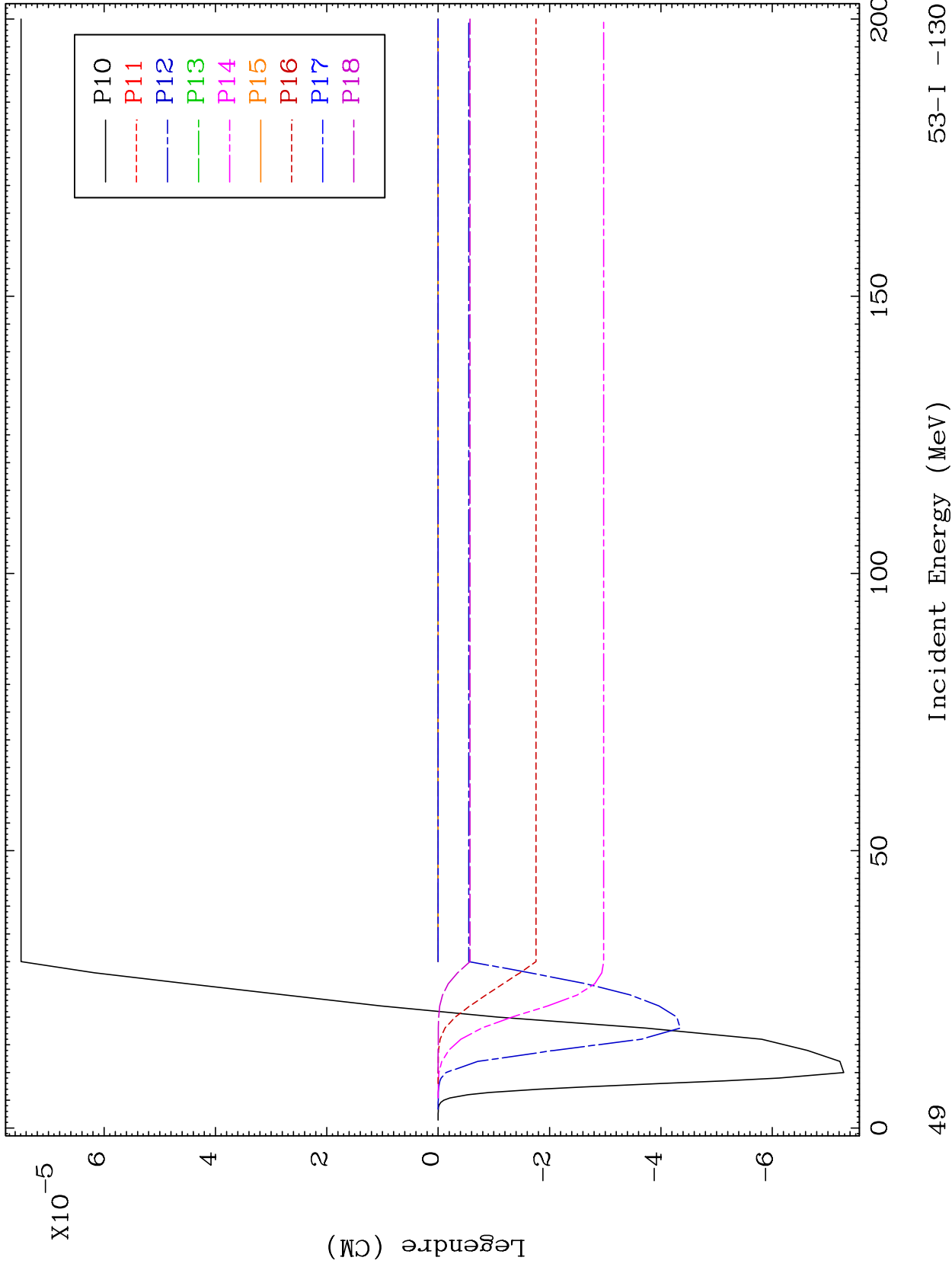
53-I -130



MAT 5334

82.40 keV (n,n') Level
Legendre Coefficients

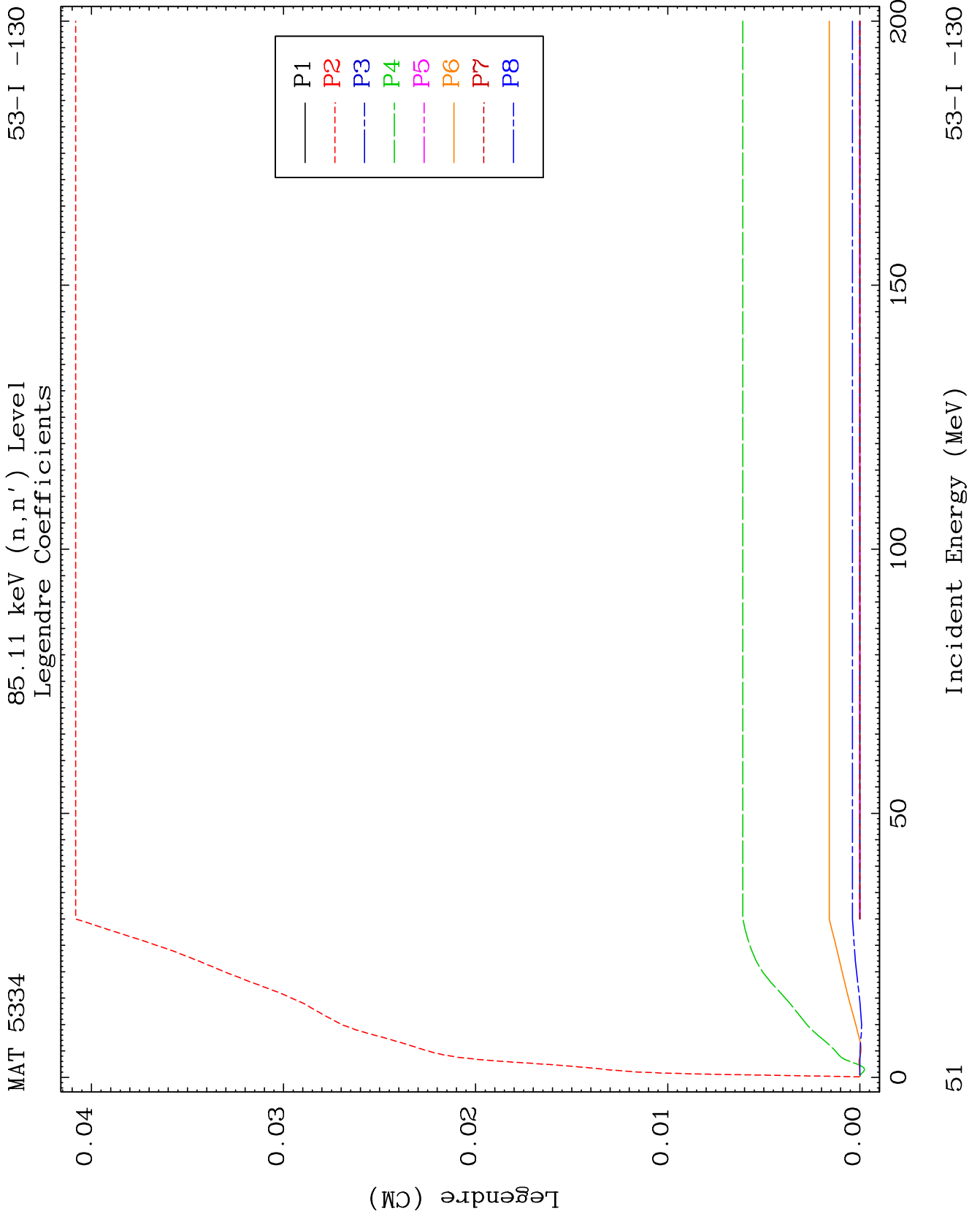
53-I -130



49

Incident Energy (MeV)

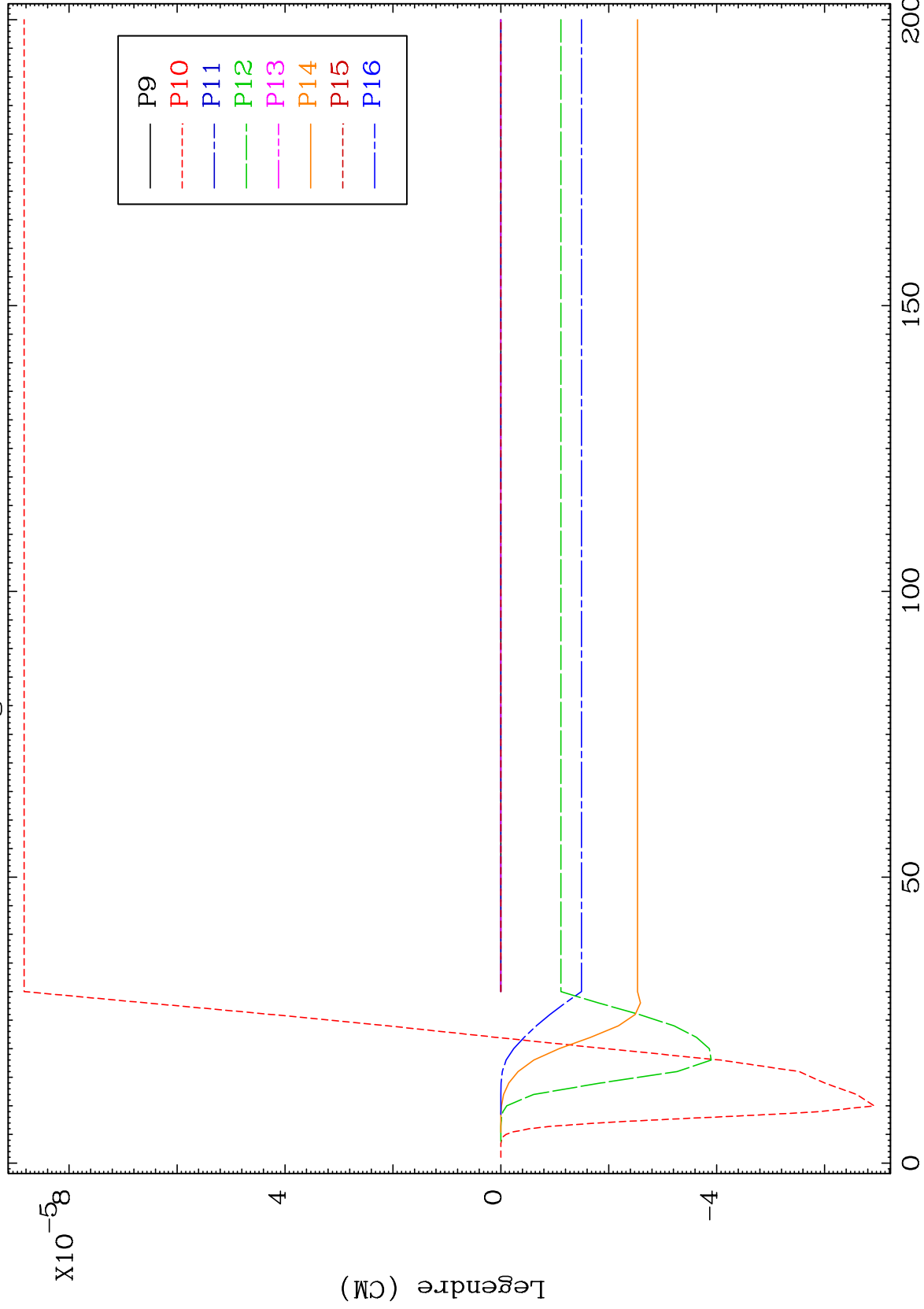
53-I -130



MAT 5334

85.11 keV (n,n') Level
Legendre Coefficients

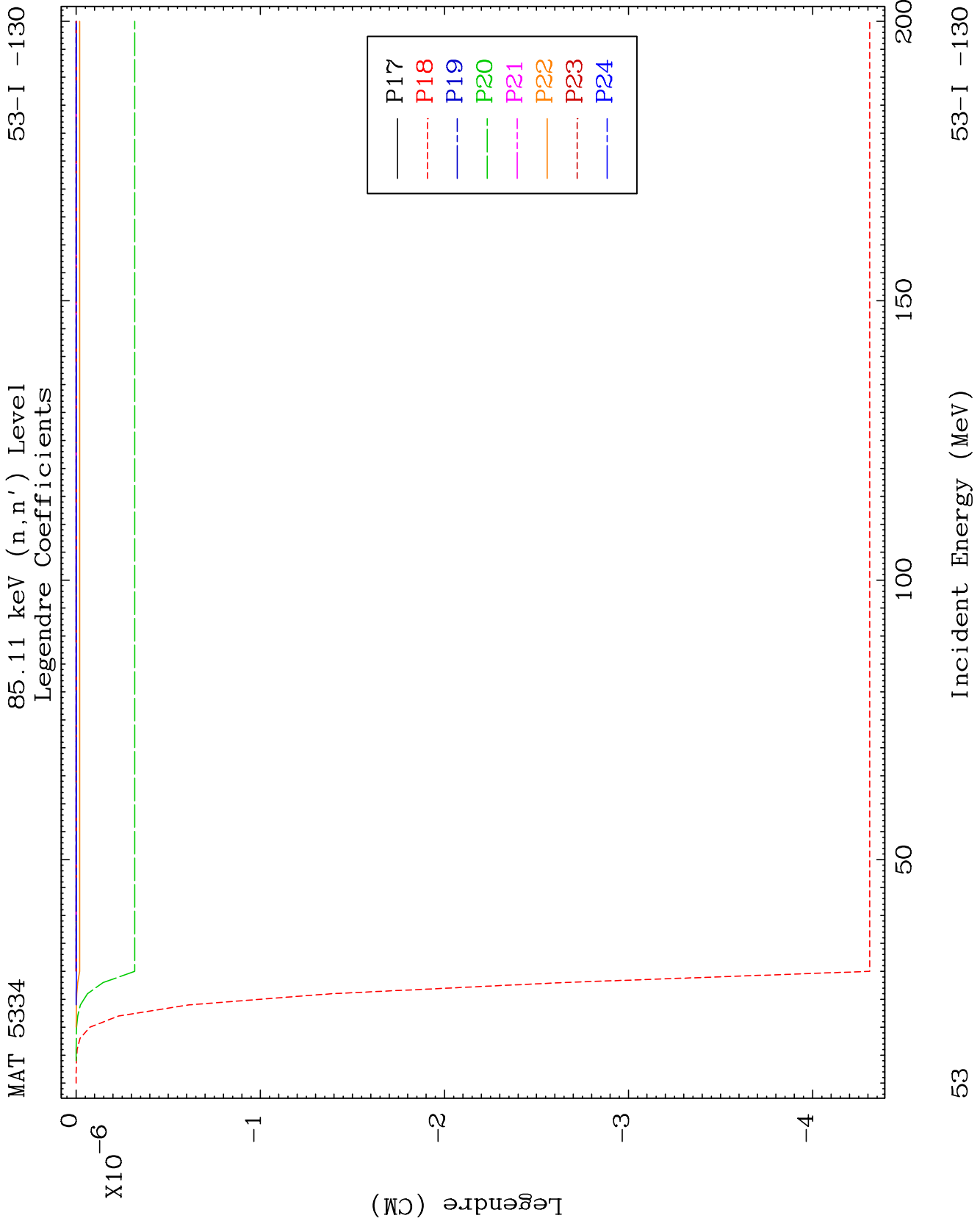
53-I -130



52

Incident Energy (MeV)

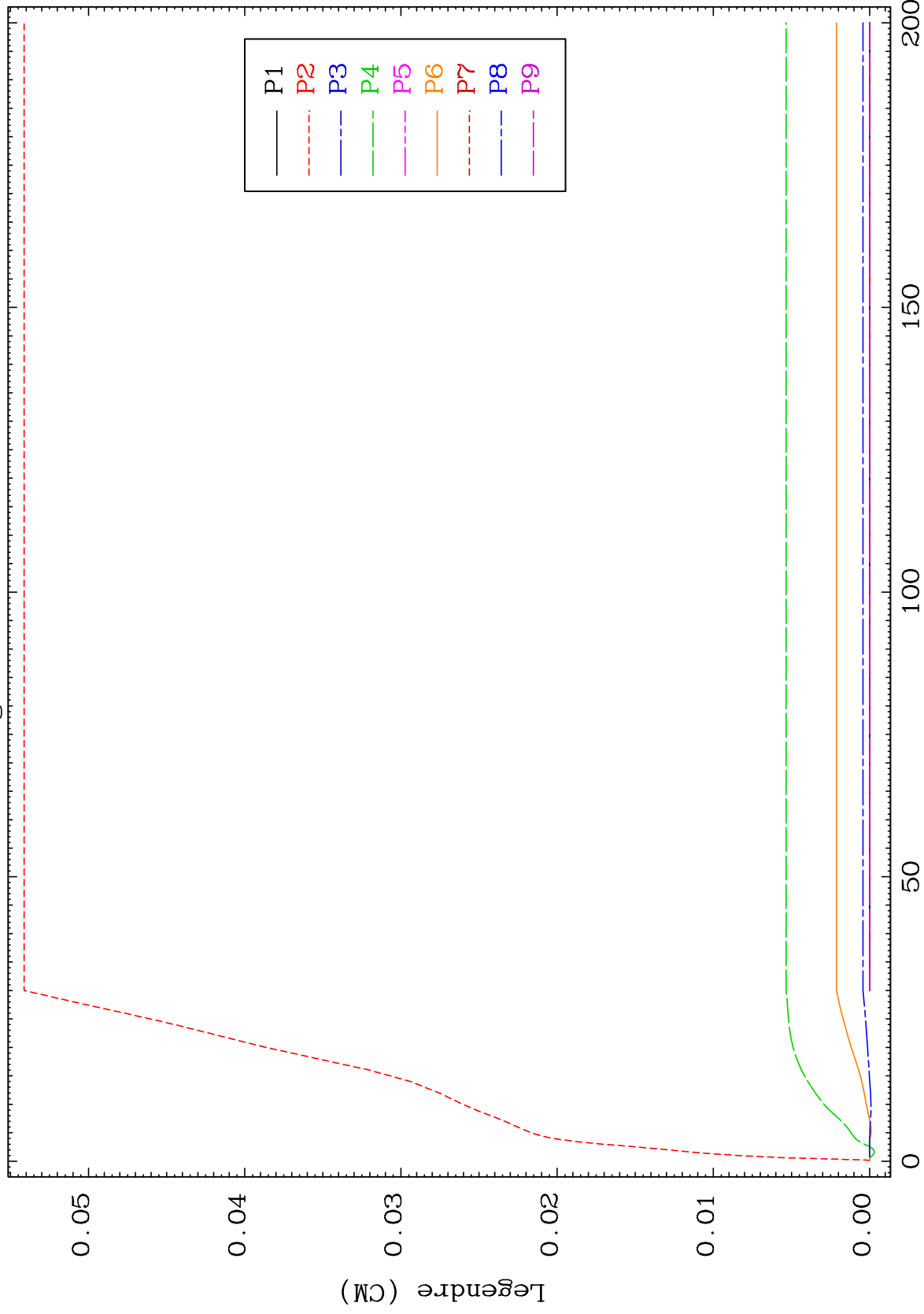
53-I -130



MAT 5334

91.76 keV (n,n') Level
Legendre Coefficients

53-I -130



54

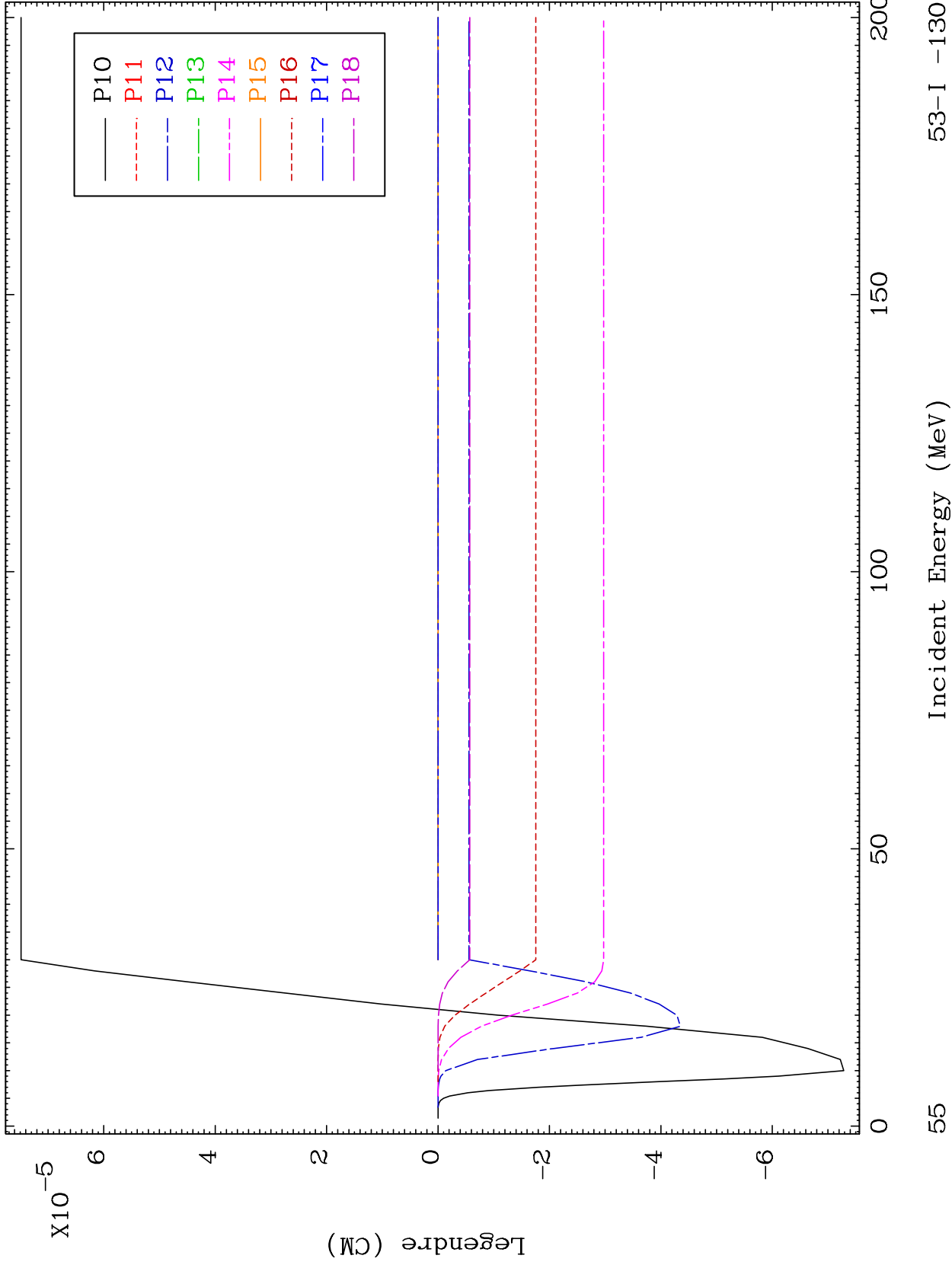
Incident Energy (MeV)

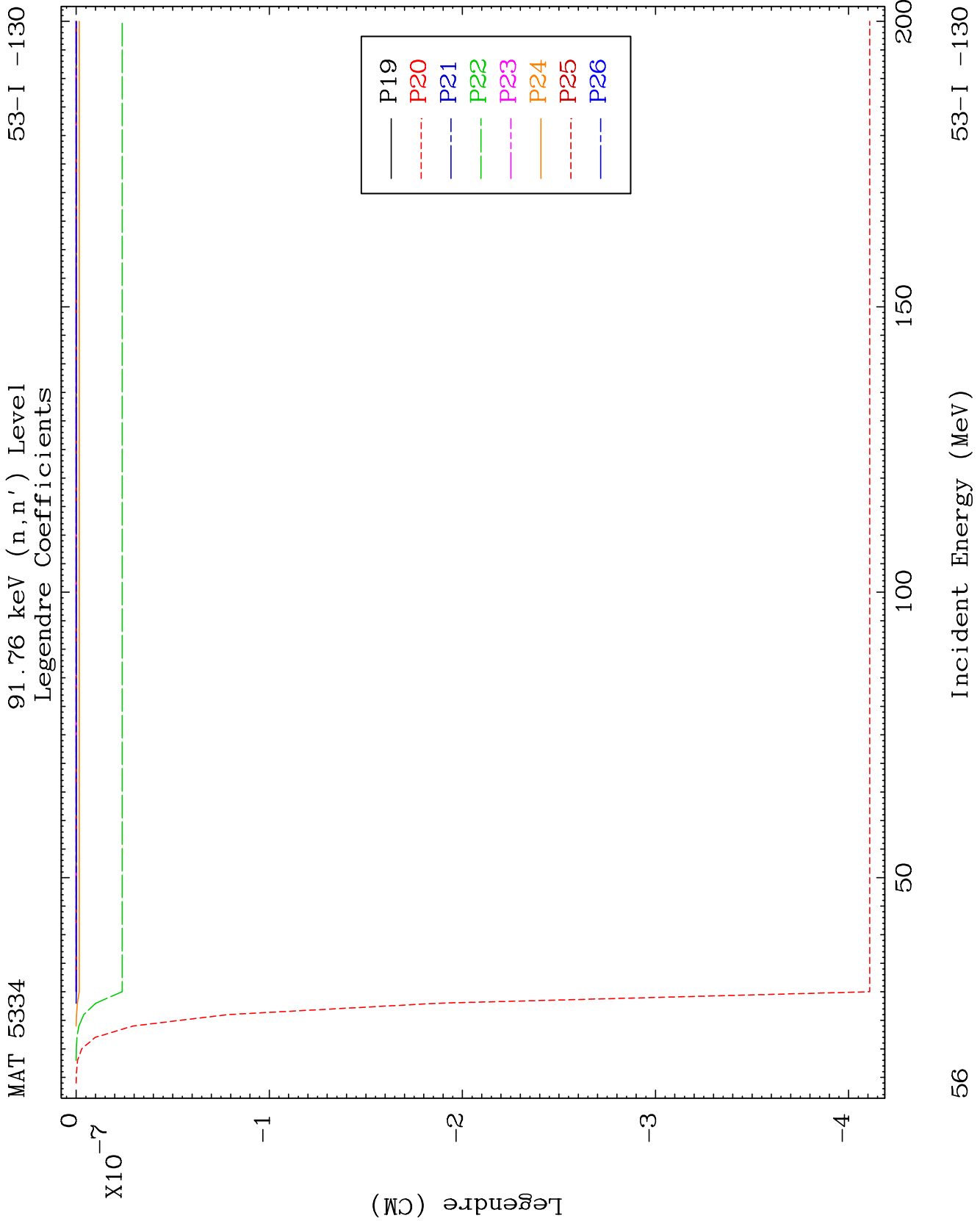
53-I -130

MAT 5334

91.76 keV (n,n') Level
Legendre Coefficients

53-I -130

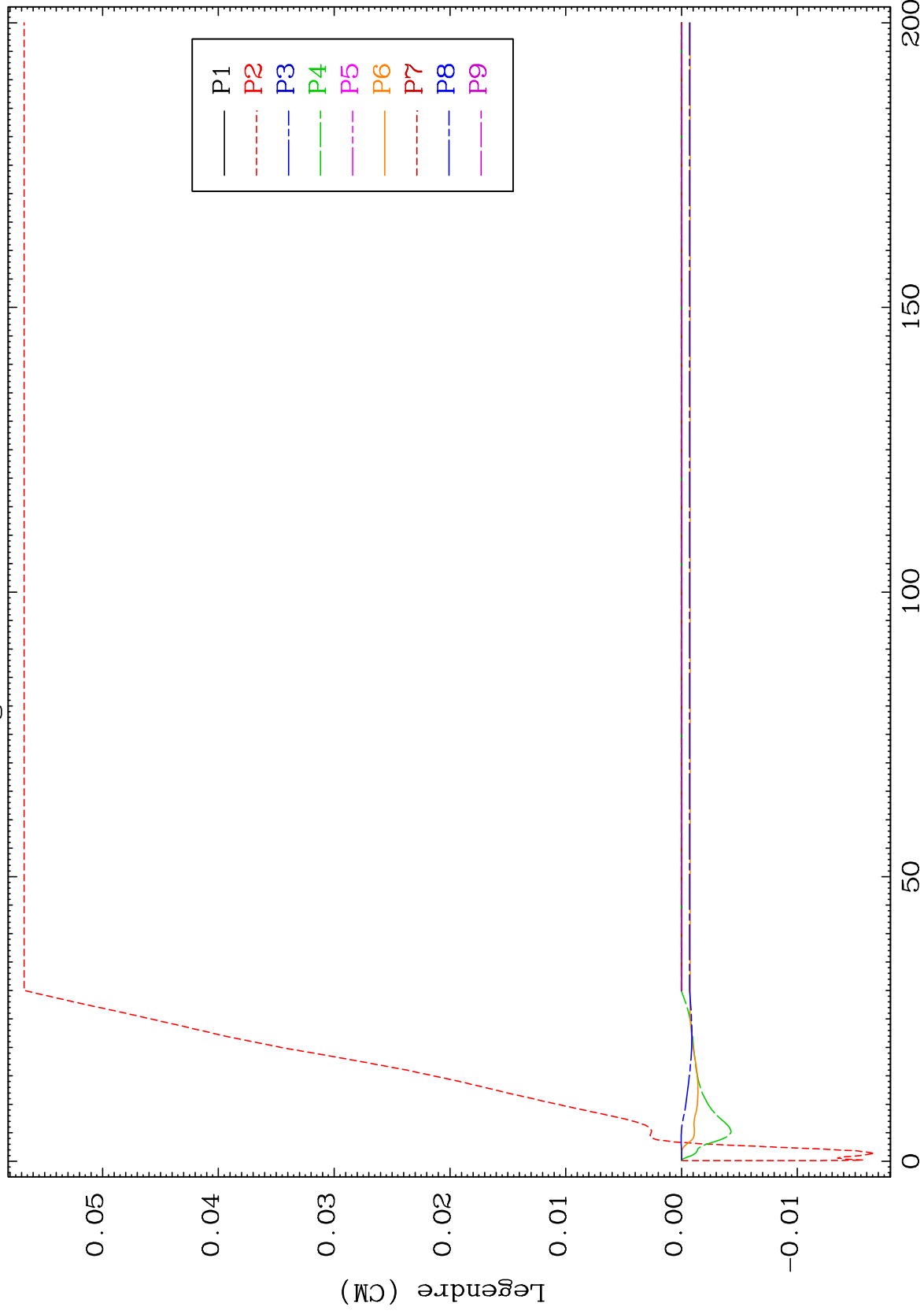




MAT 5334

93.71 keV (n,n') Level
Legendre Coefficients

53-I -130



57

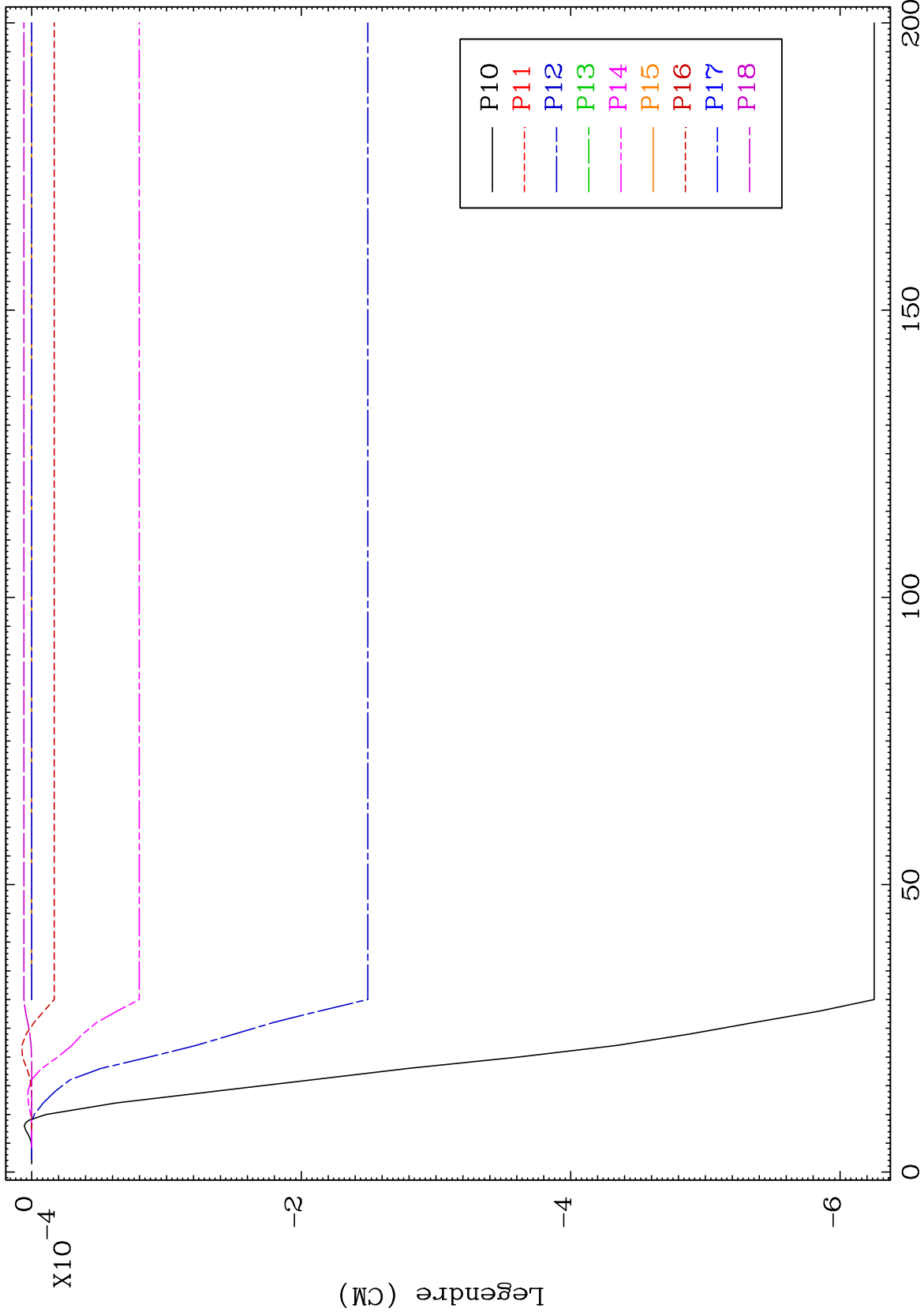
Incident Energy (MeV)

53-I -130

MAT 5334

93.71 keV (n,n') Level
Legendre Coefficients

53-I -130



58

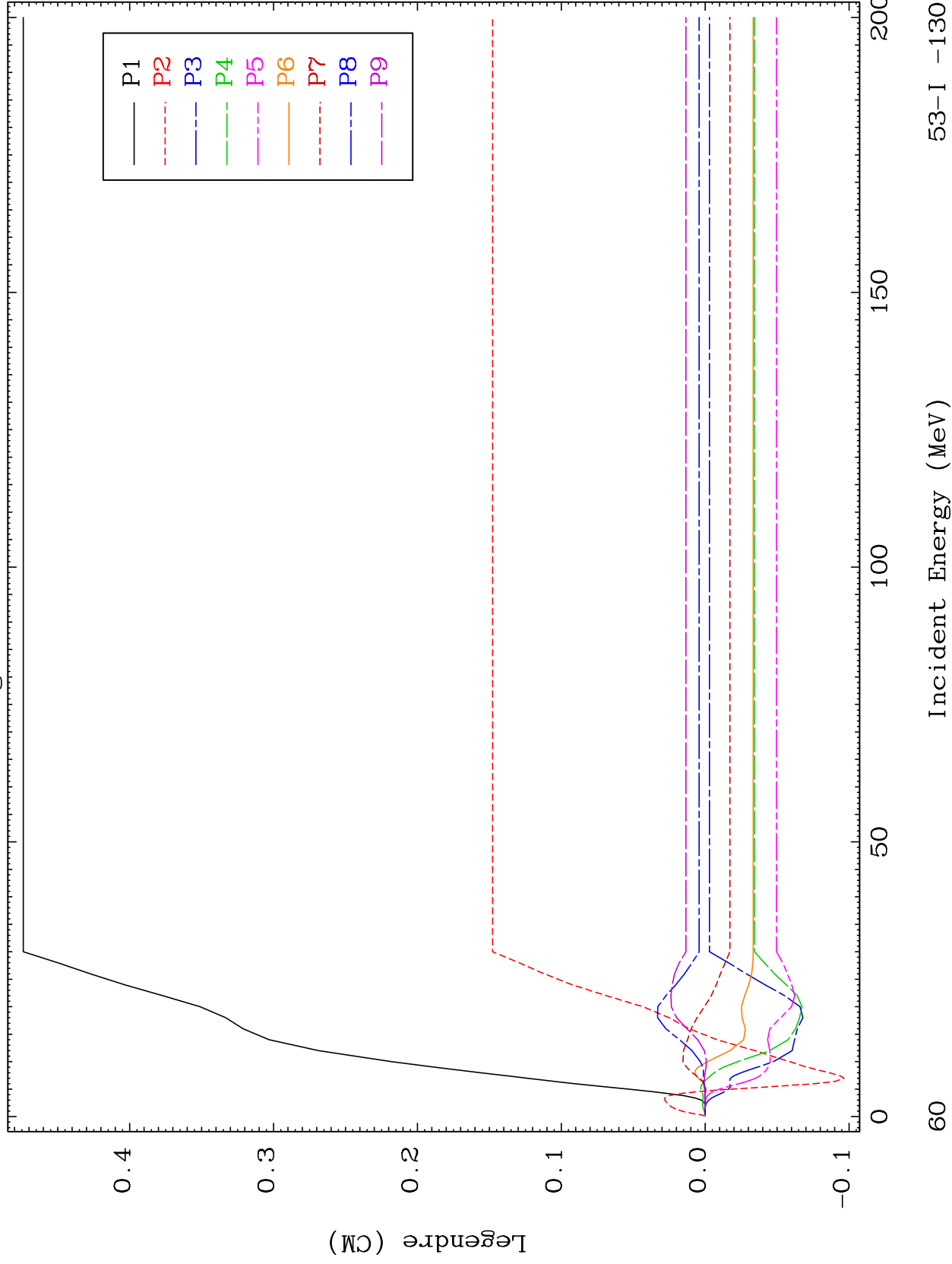
Incident Energy (MeV)

53-I -130

MAT 5334

111.1 keV (n,n') Level
Legendre Coefficients

53-I -130

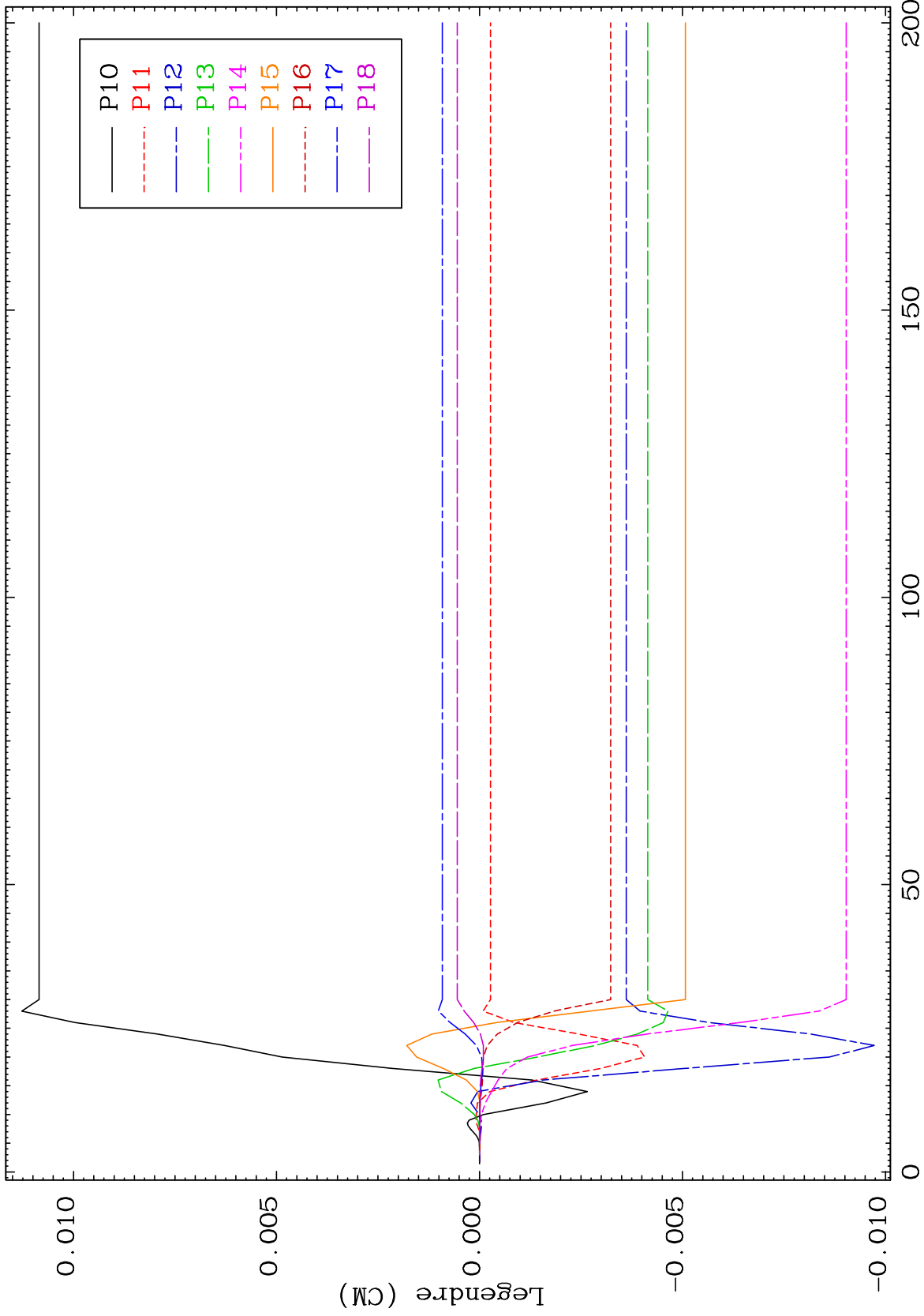


53-I -130

MAT 5334

111.1 keV (n,n') Level
Legendre Coefficients

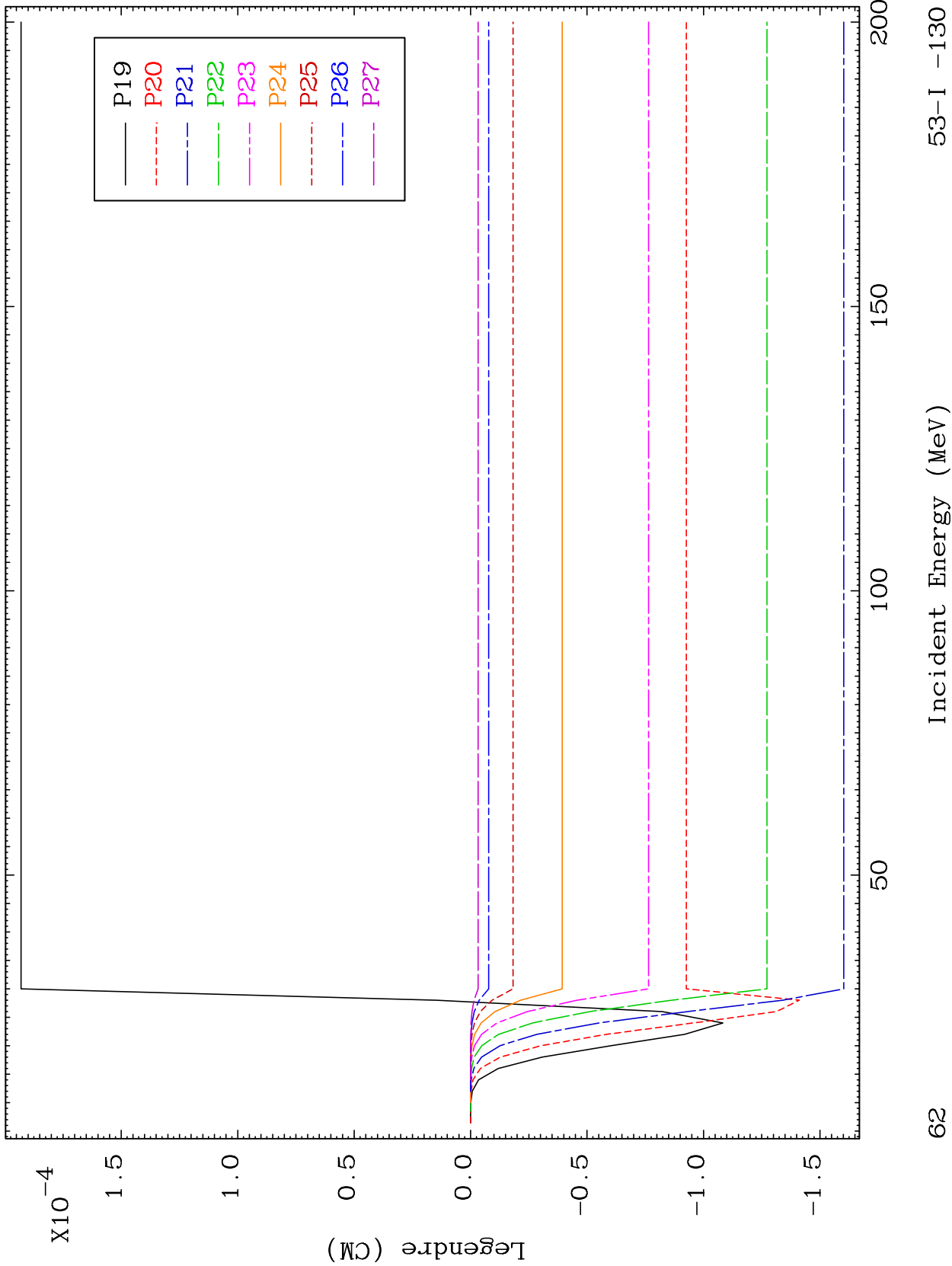
53-I -130

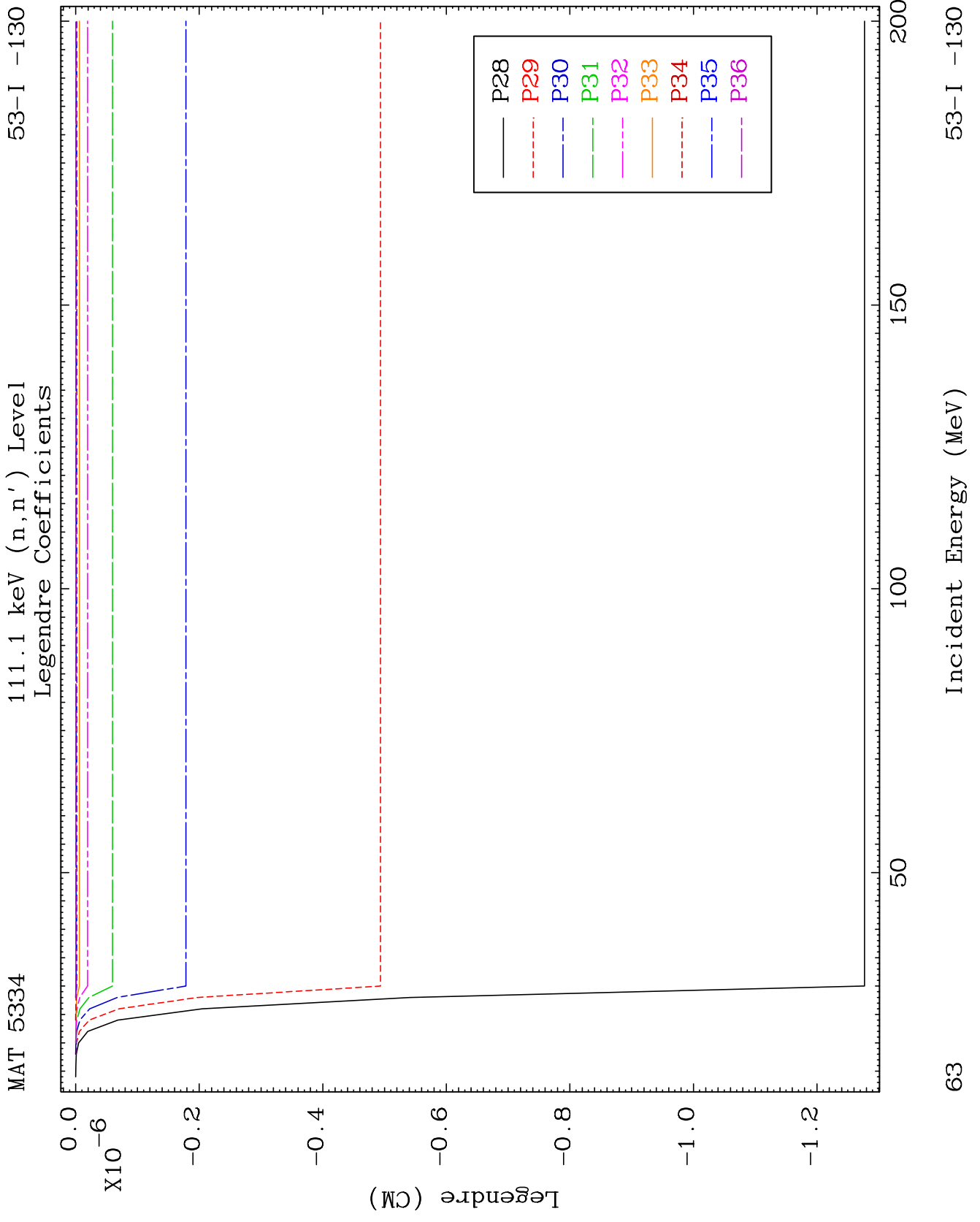


61

Incident Energy (MeV)

53-I -130

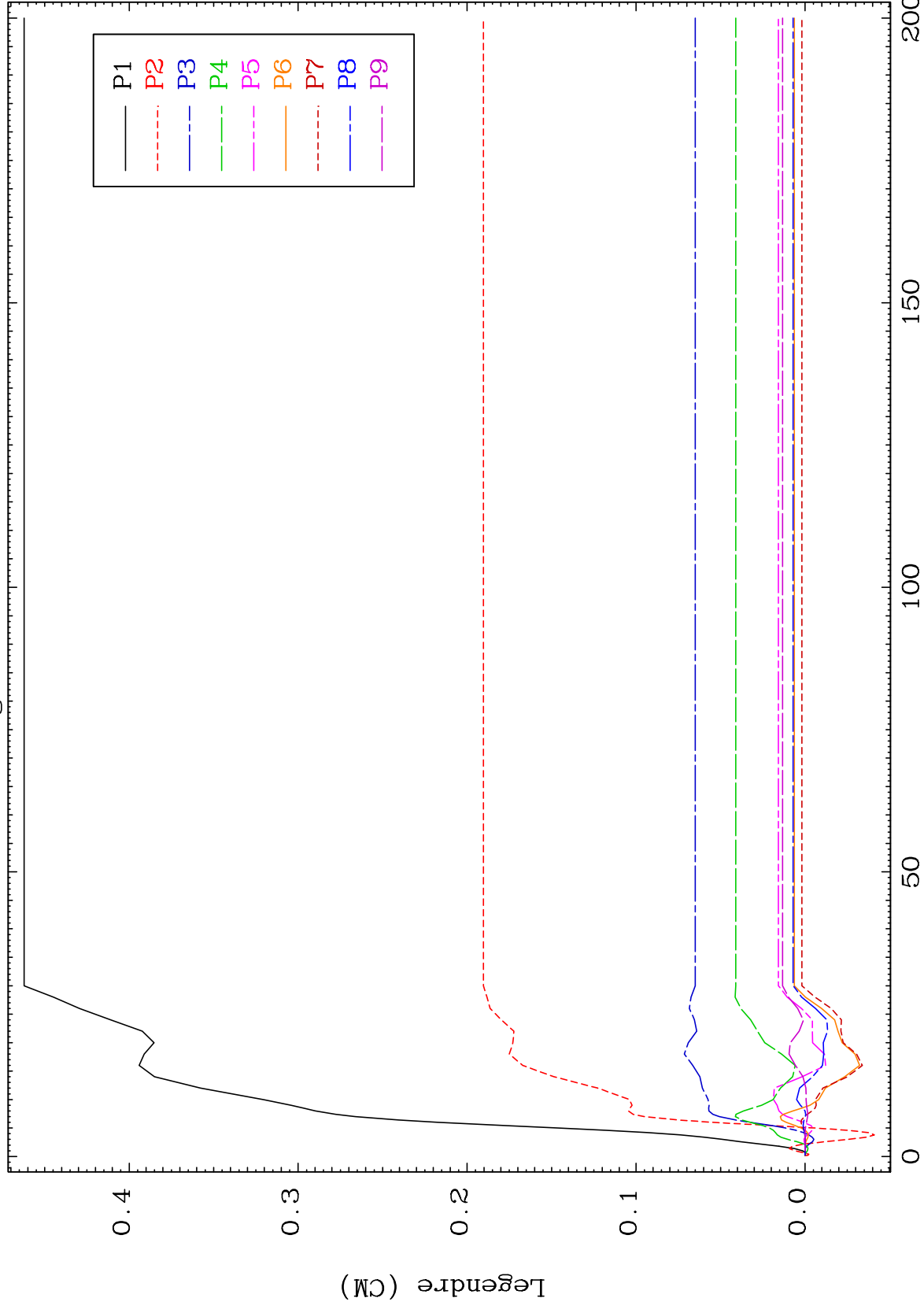




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125.8 keV (n,n') Level
Legendre Coefficients

53-I -130



64

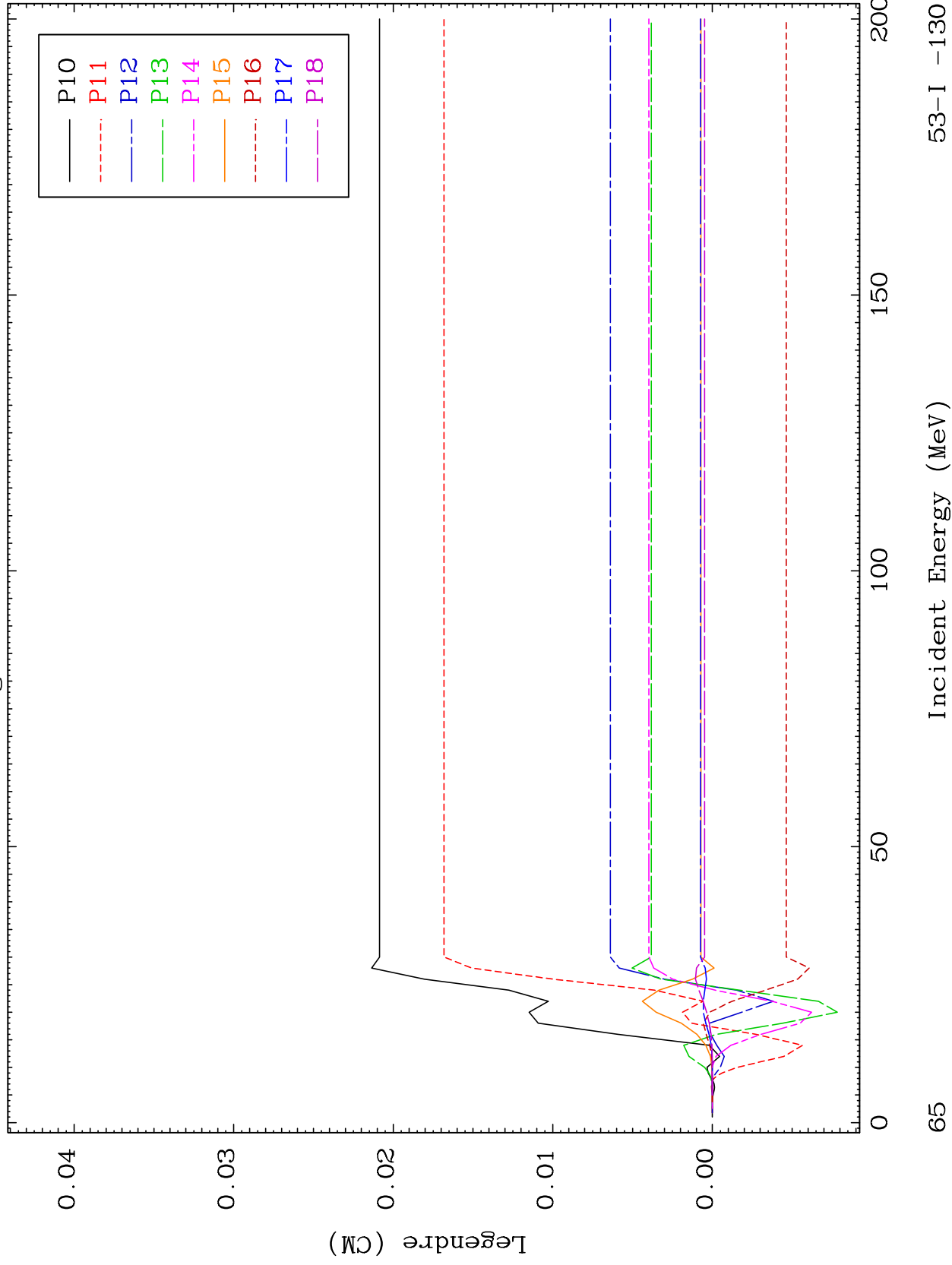
Incident Energy (MeV)

53-I -130

MAT 5334

125.8 keV (n,n') Level
Legendre Coefficients

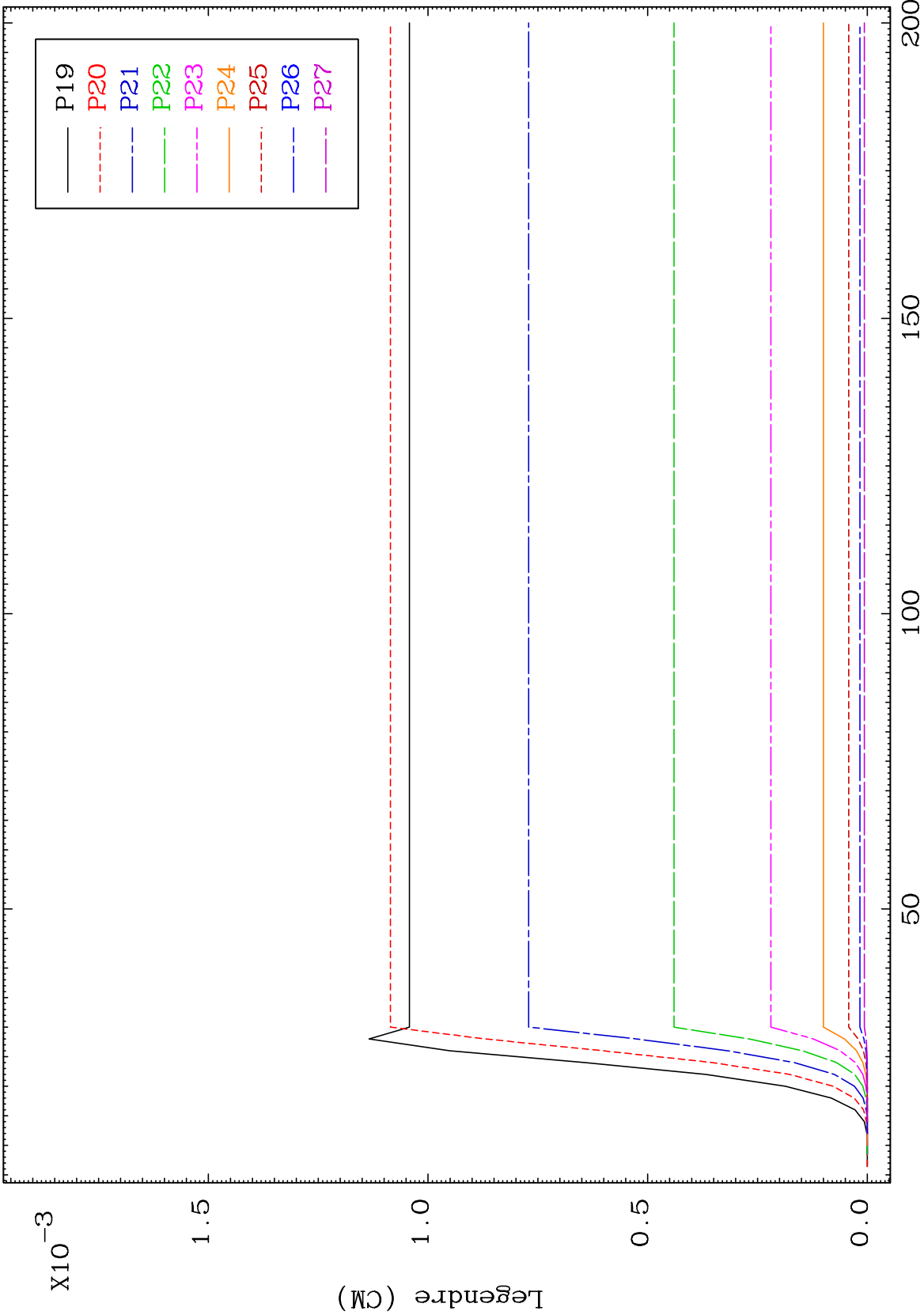
53-I -130



53-I -130

Incident Energy (MeV)

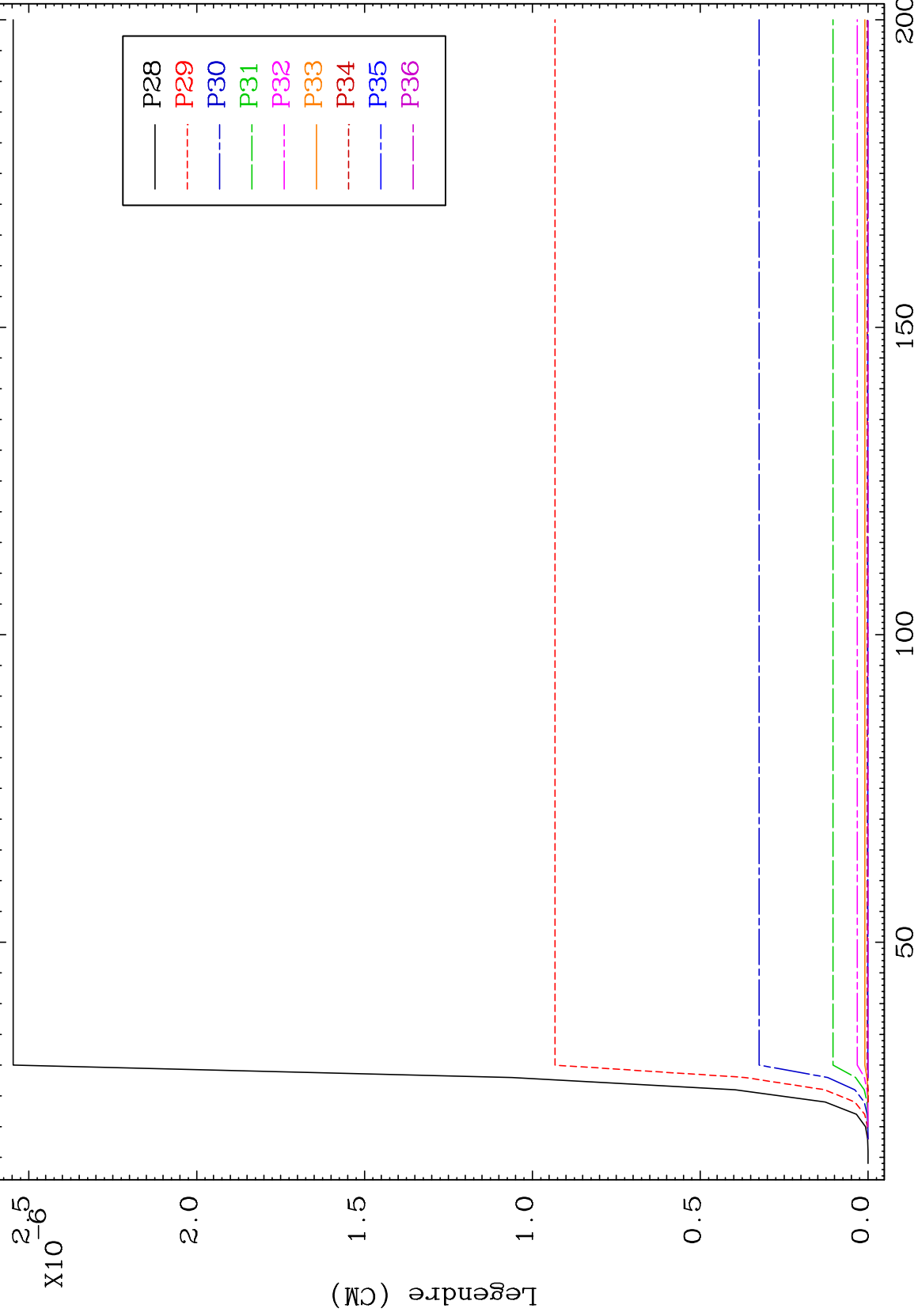
65



MAT 5334

125.8 keV (n,n') Level
Legendre Coefficients

53-I -130



67

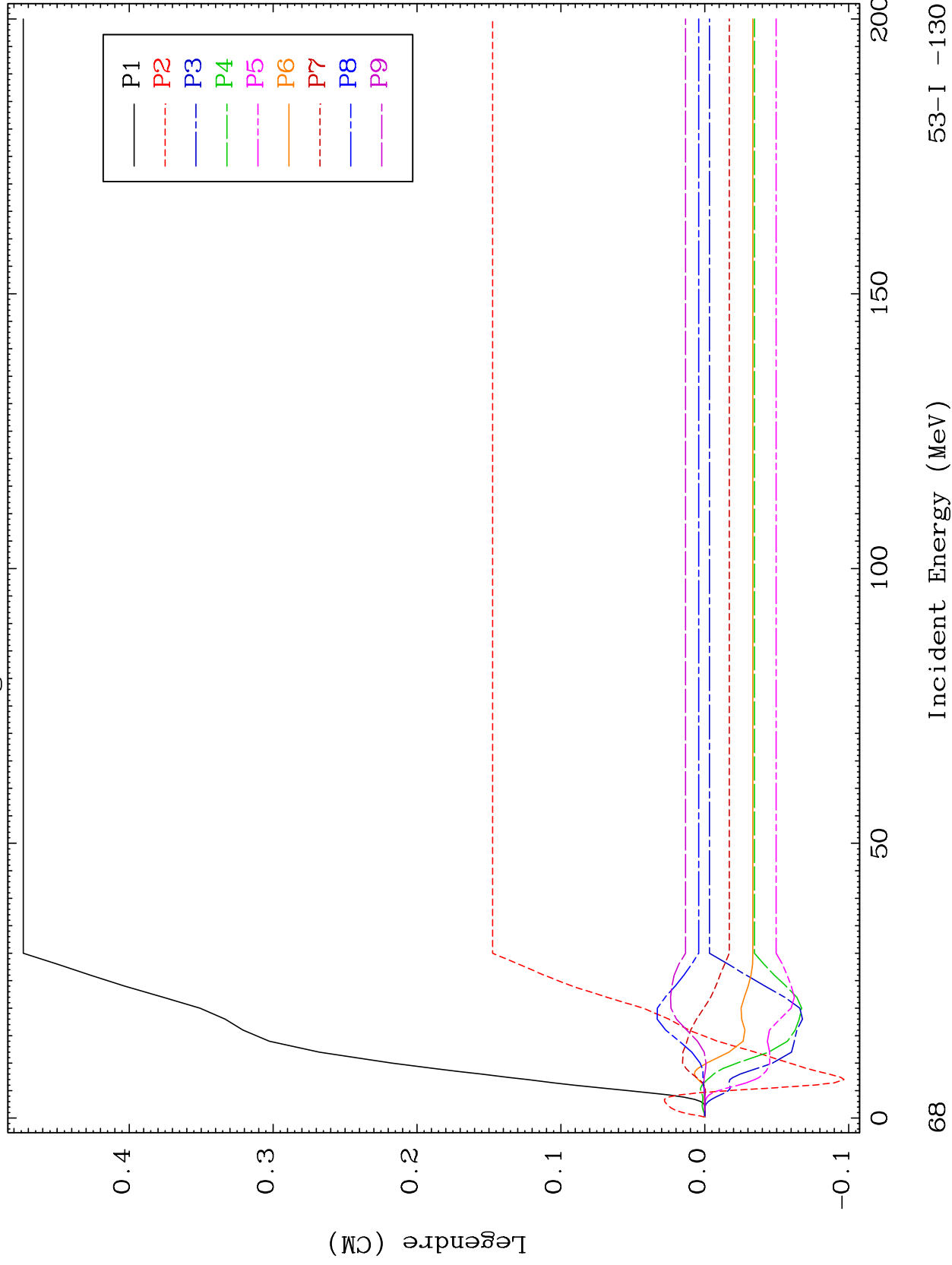
Incident Energy (MeV)

53-I -130

MAT 5334

180.3 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

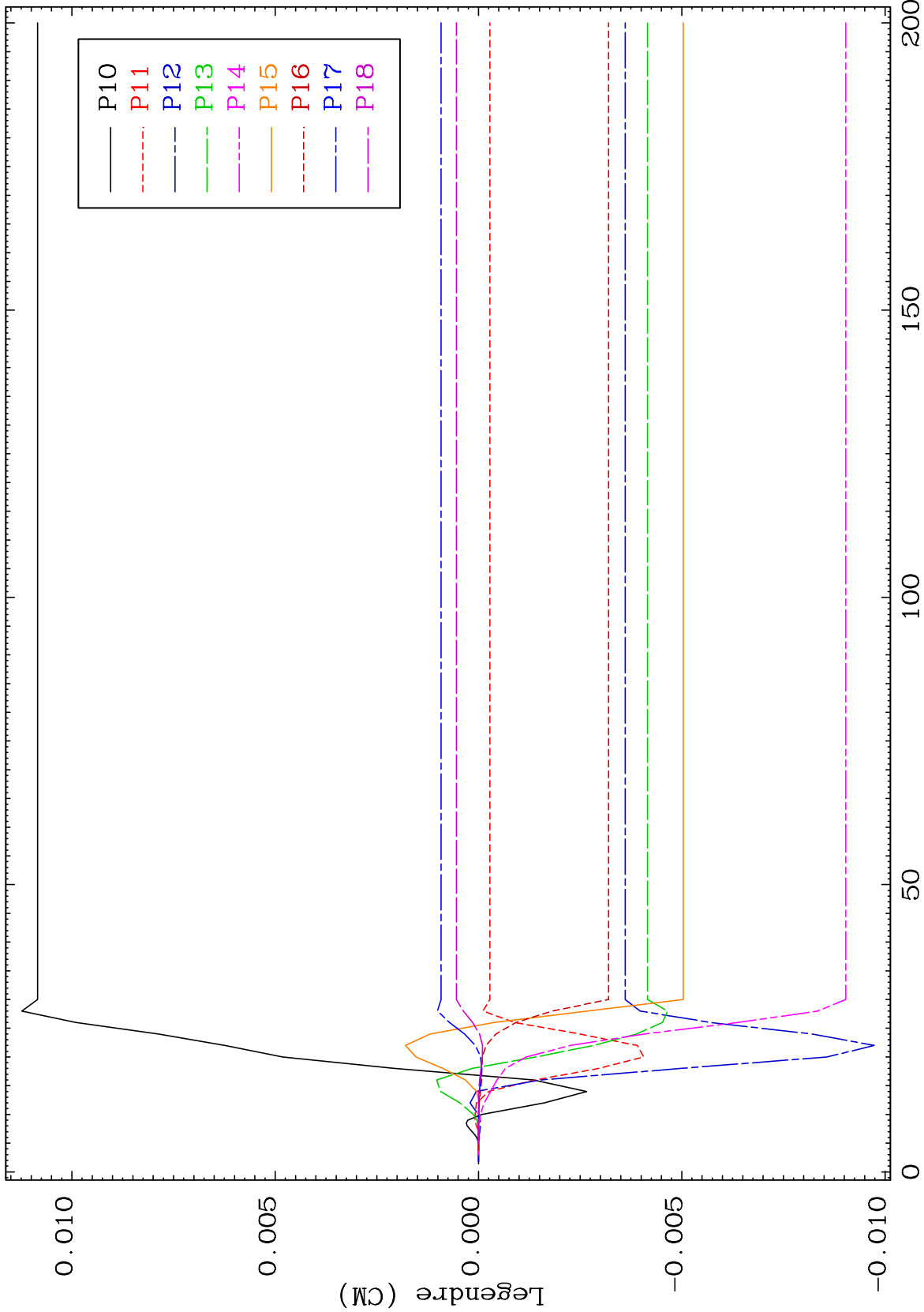
Incident Energy (MeV)

68

MAT 5334

180.3 keV (n,n') Level
Legendre Coefficients

53-I -130



69

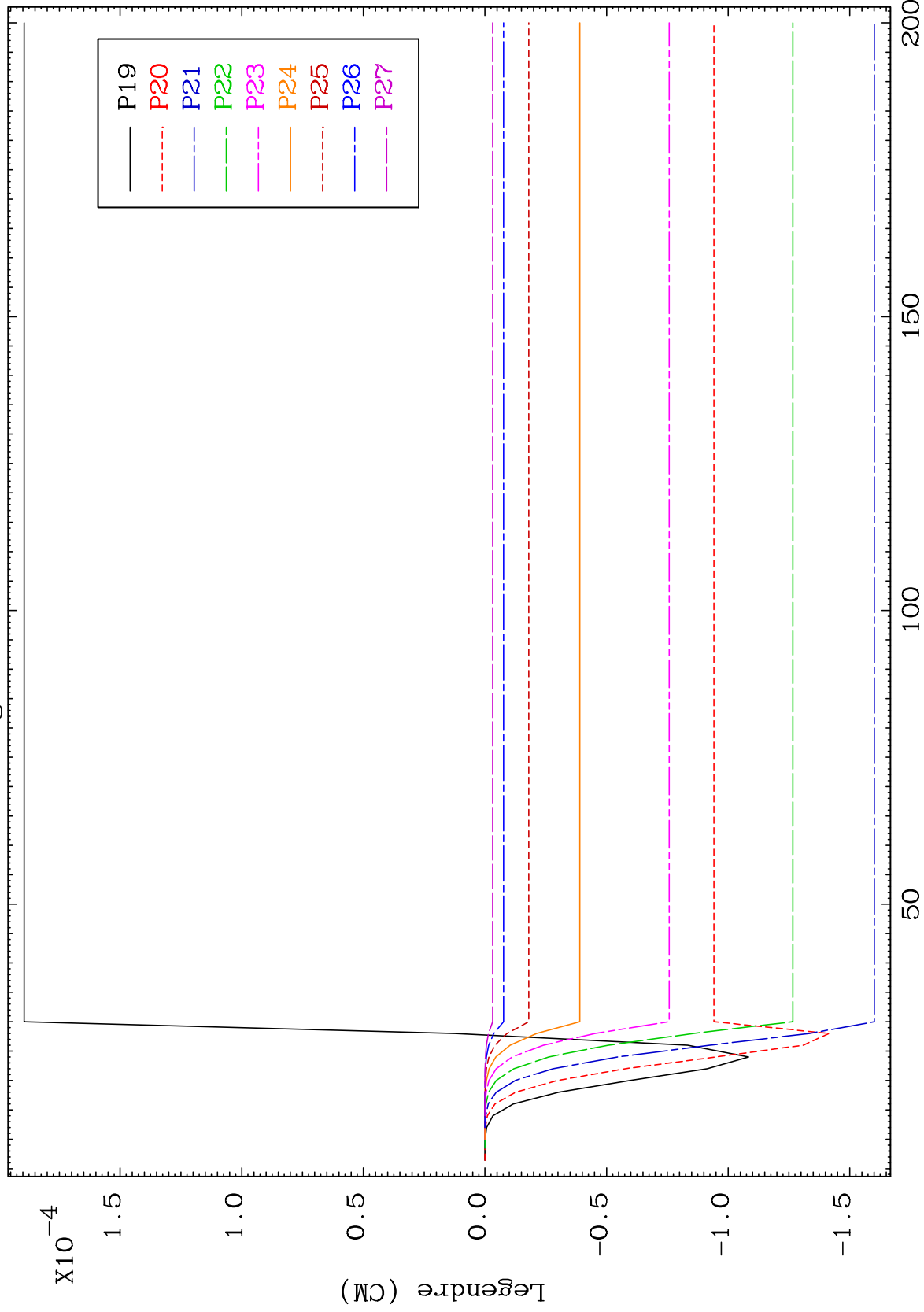
Incident Energy (MeV)

53-I -130

MAT 5334

180.3 keV (n,n') Level
Legendre Coefficients

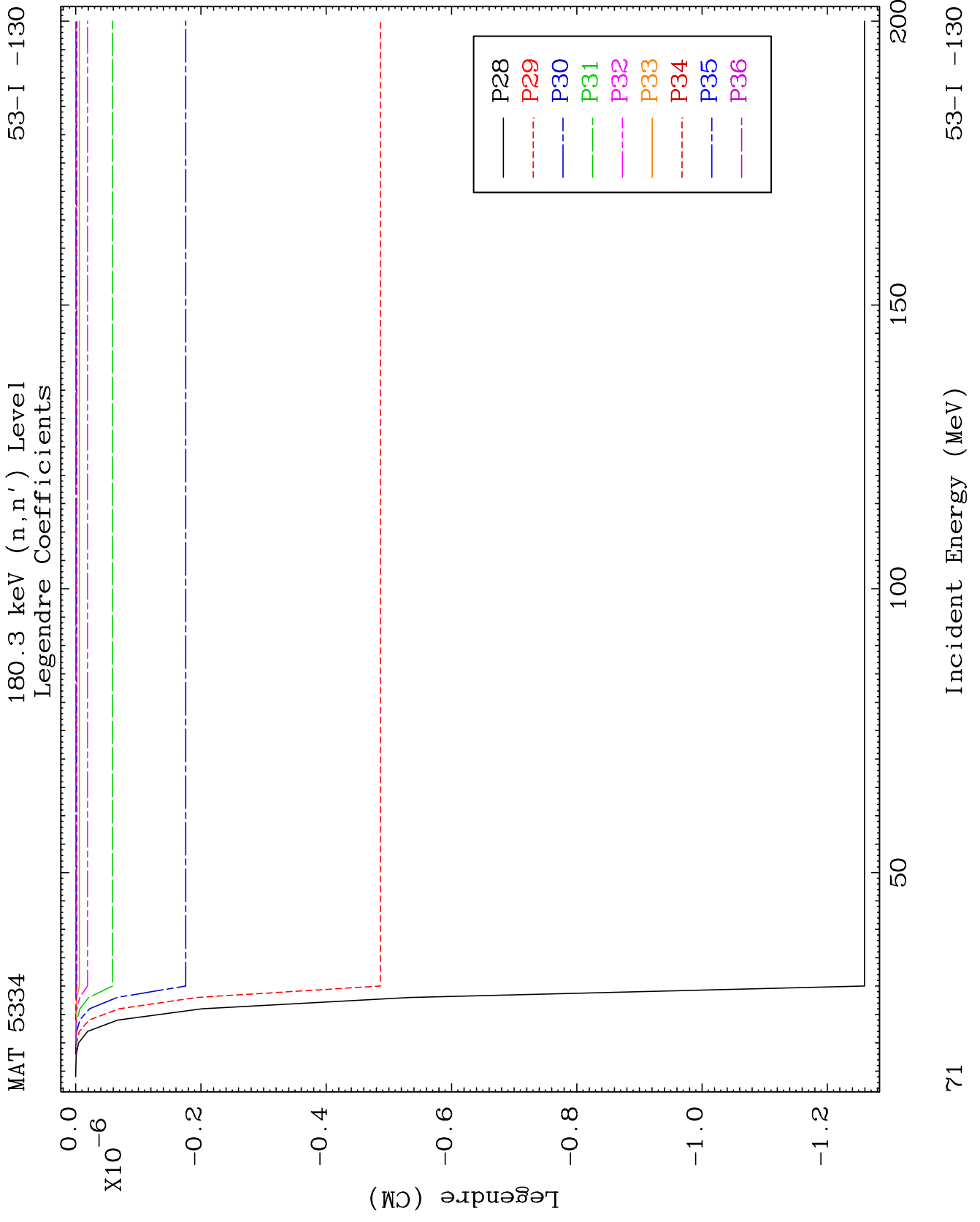
53-I -130

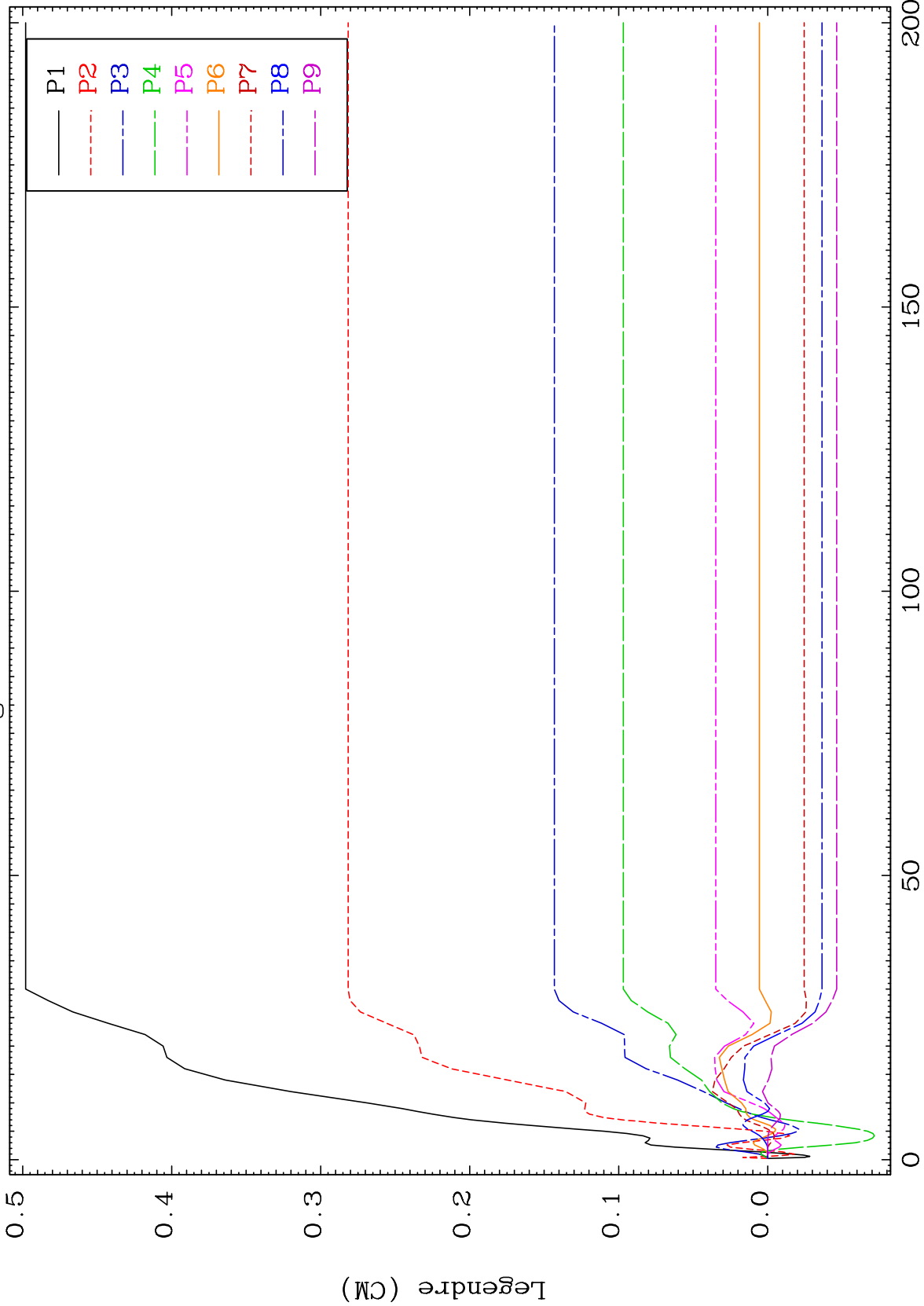


70

Incident Energy (MeV)

53-I -130

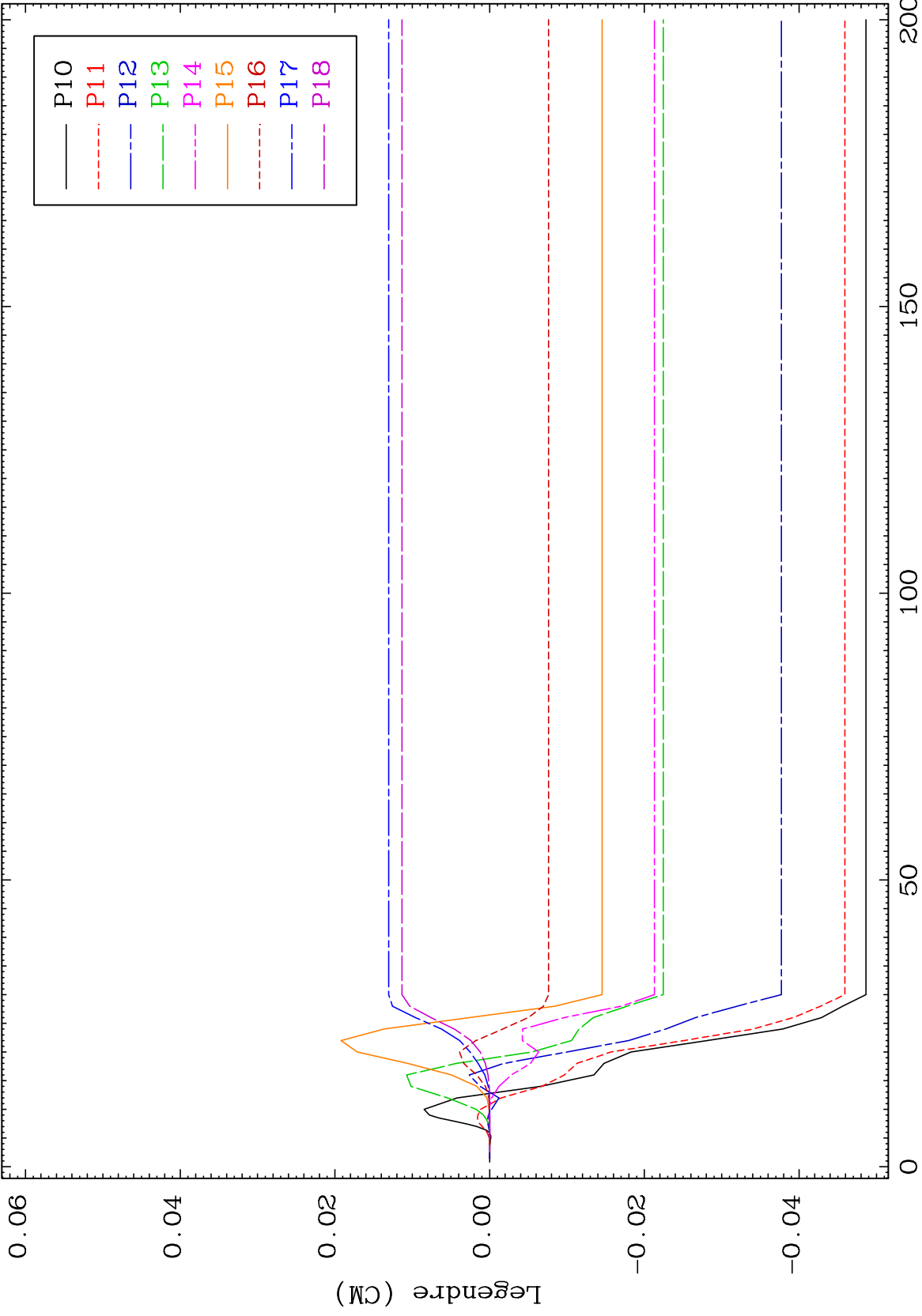




MAT 5334

209.7 keV (n,n') Level
Legendre Coefficients

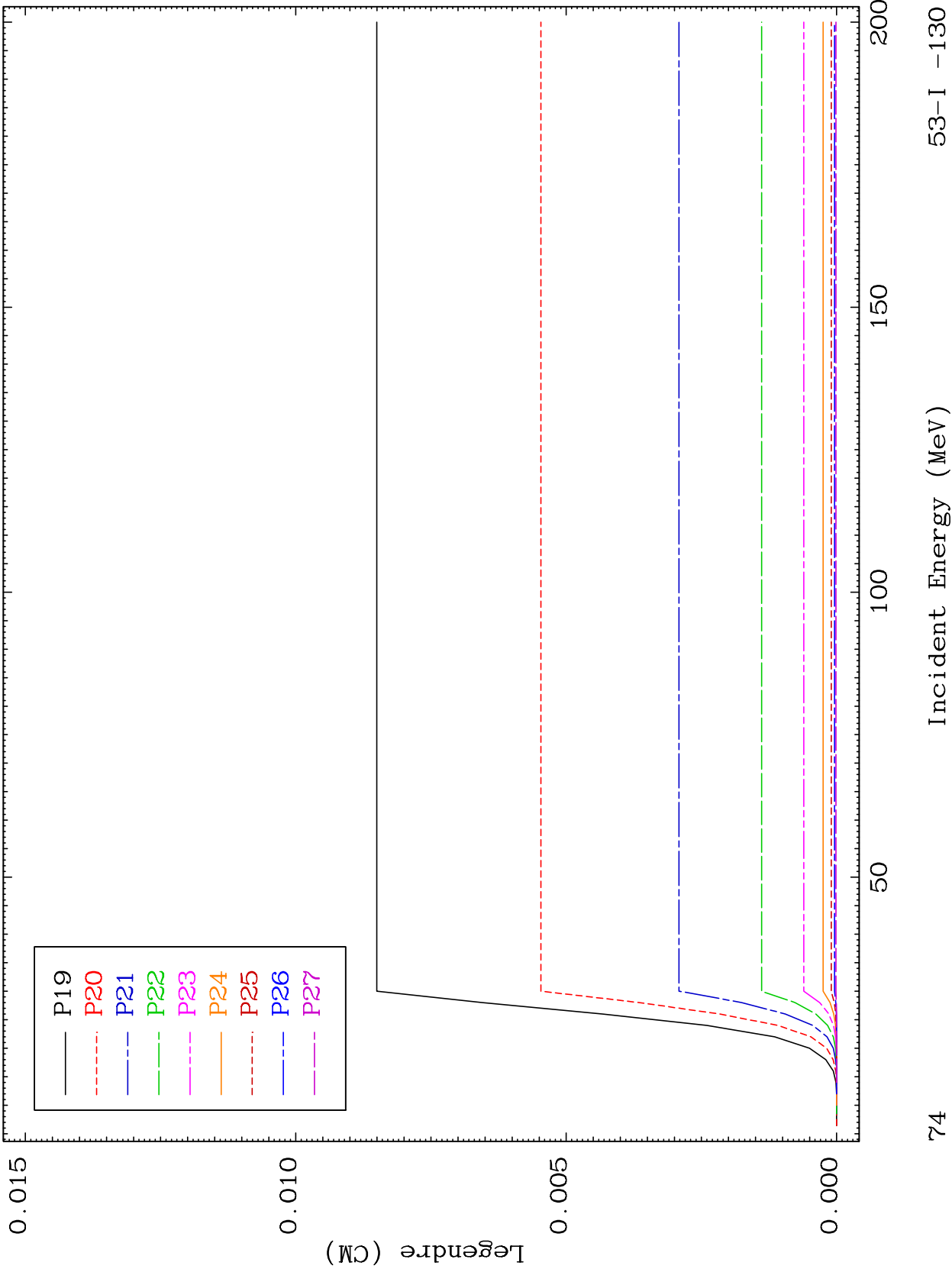
53-I -130



73

Incident Energy (MeV)

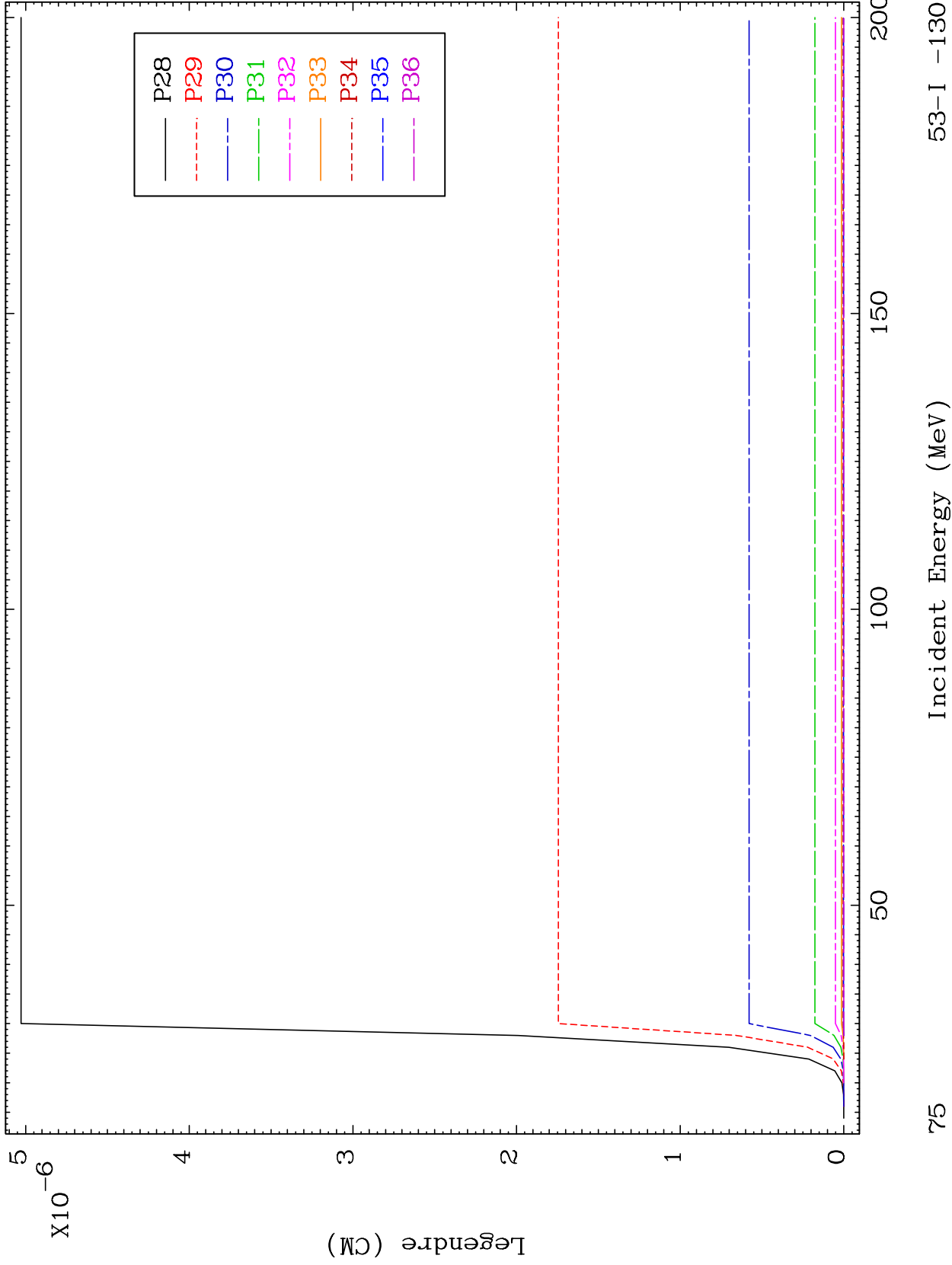
53-I -130



MAT 5334

209.7 keV (n,n') Level
Legendre Coefficients

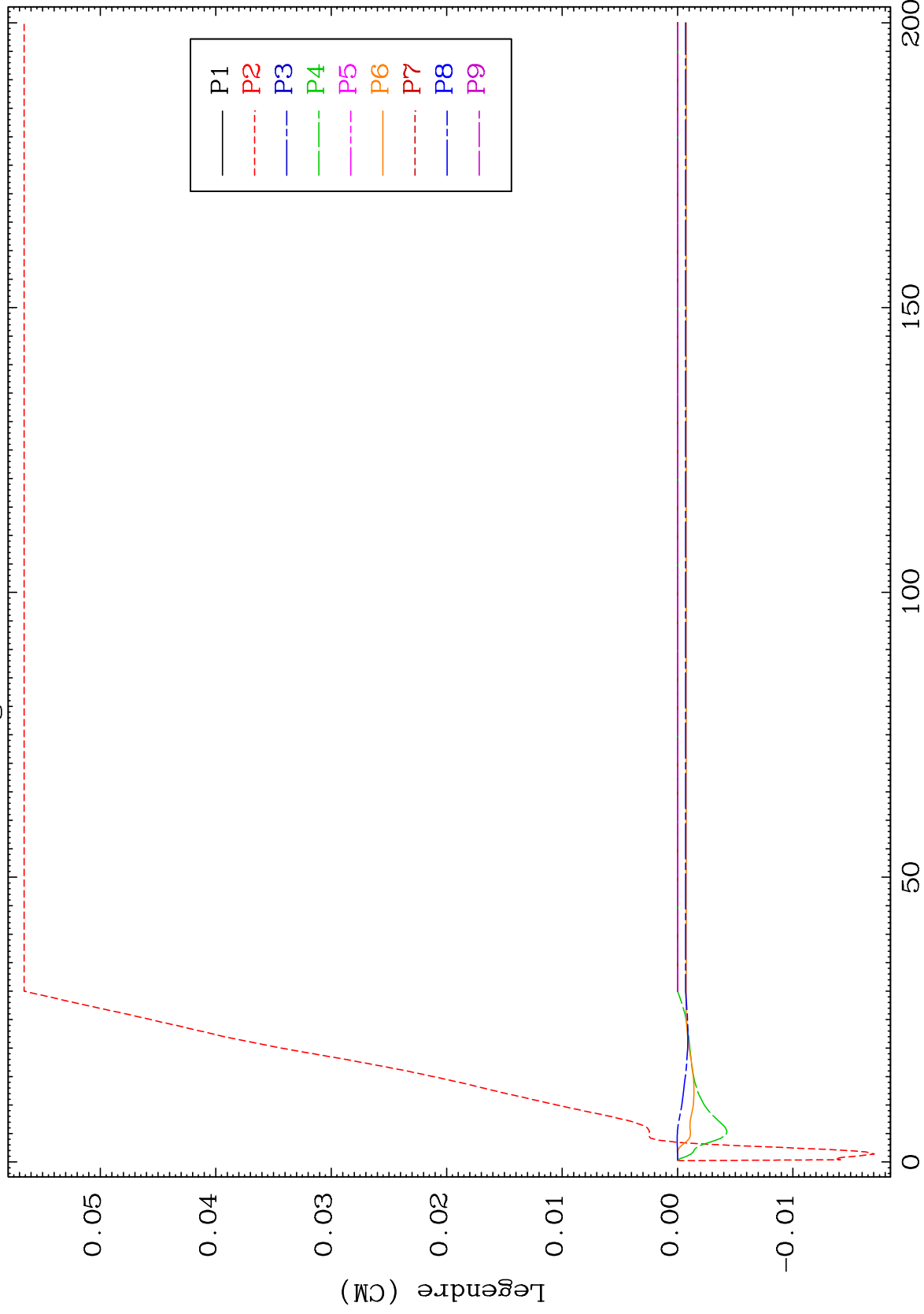
53-I -130



MAT 5334

224.0 keV (n,n') Level
Legendre Coefficients

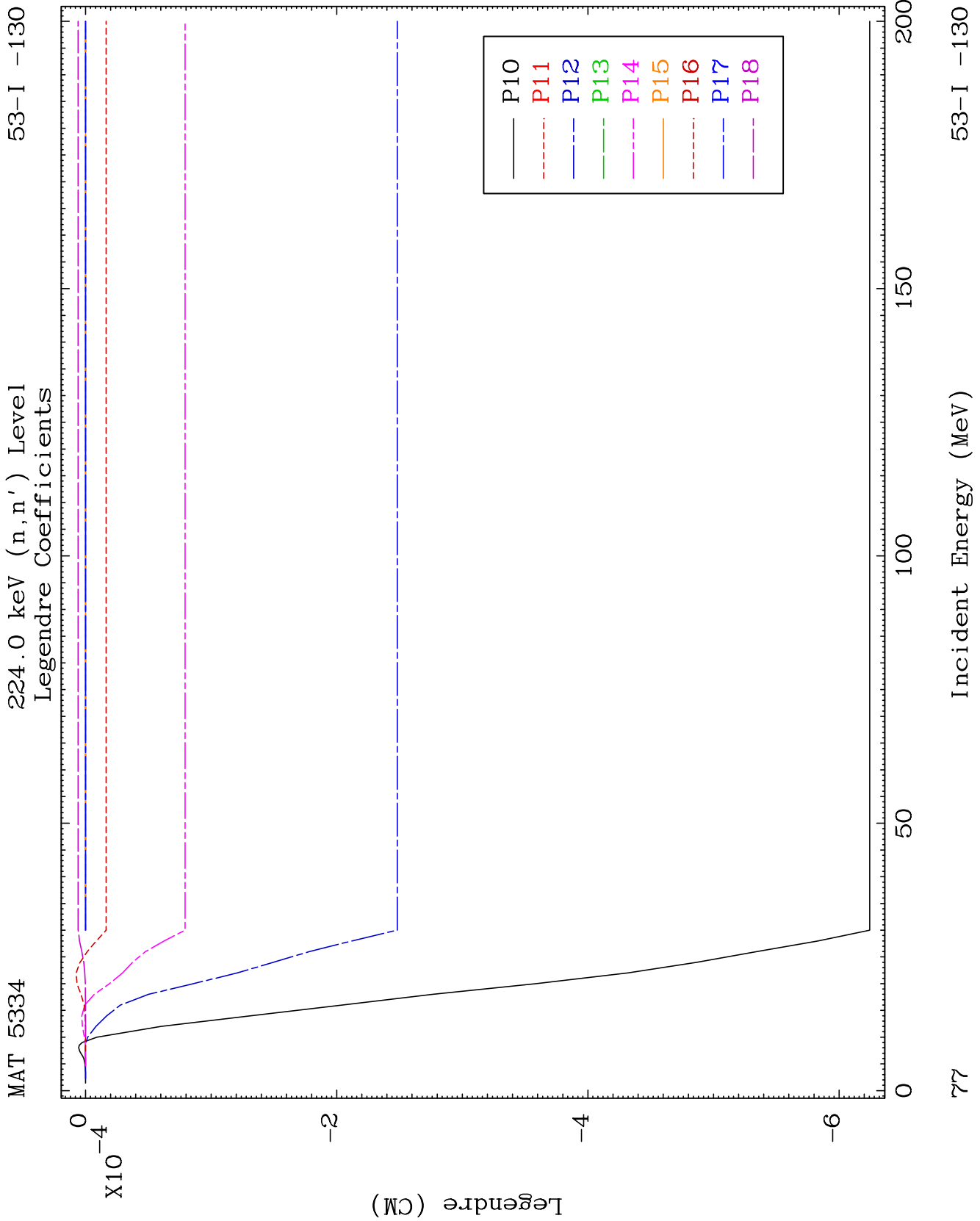
53-I -130

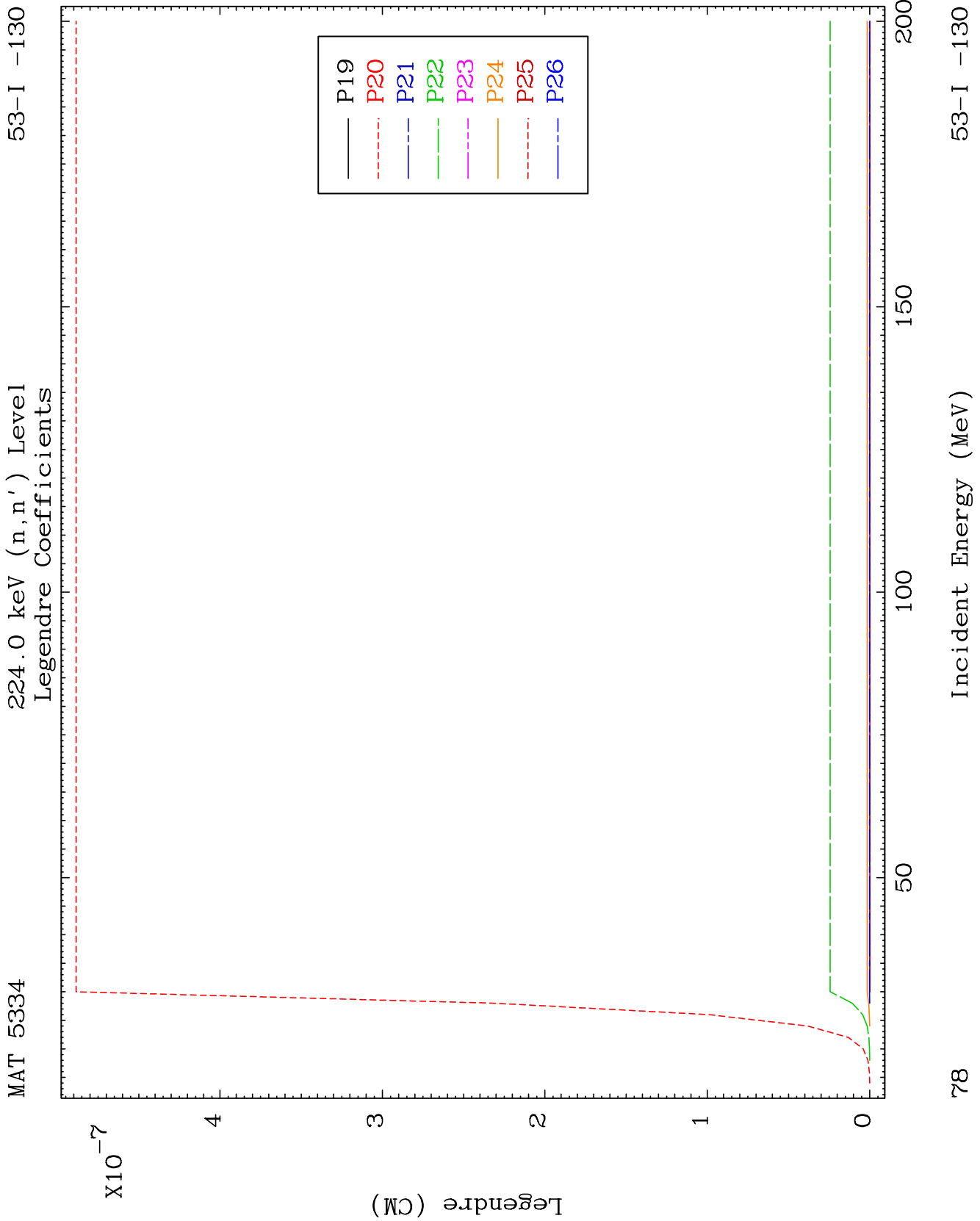


76

Incident Energy (MeV)

53-I -130

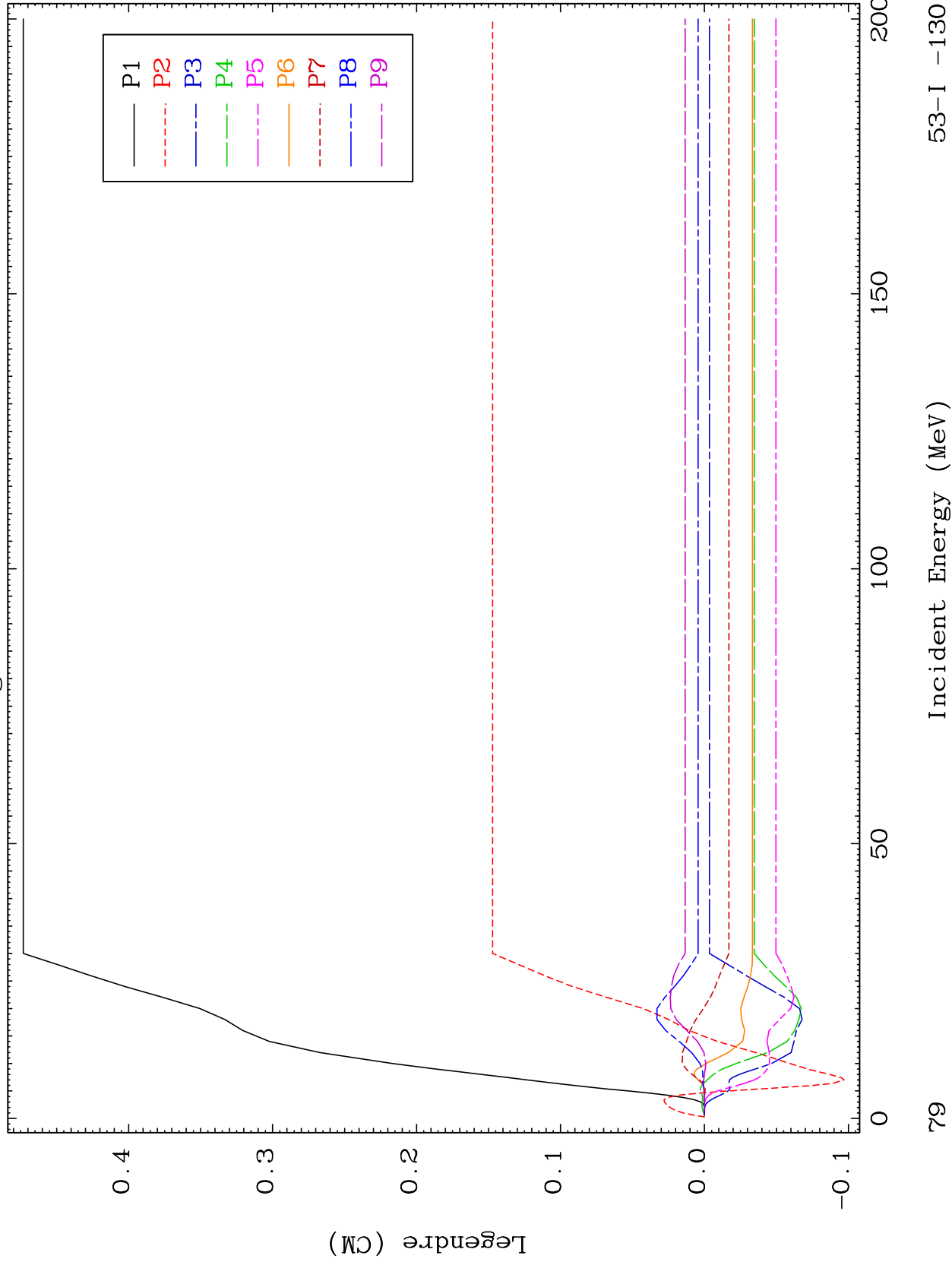




MAT 5334

245.1 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

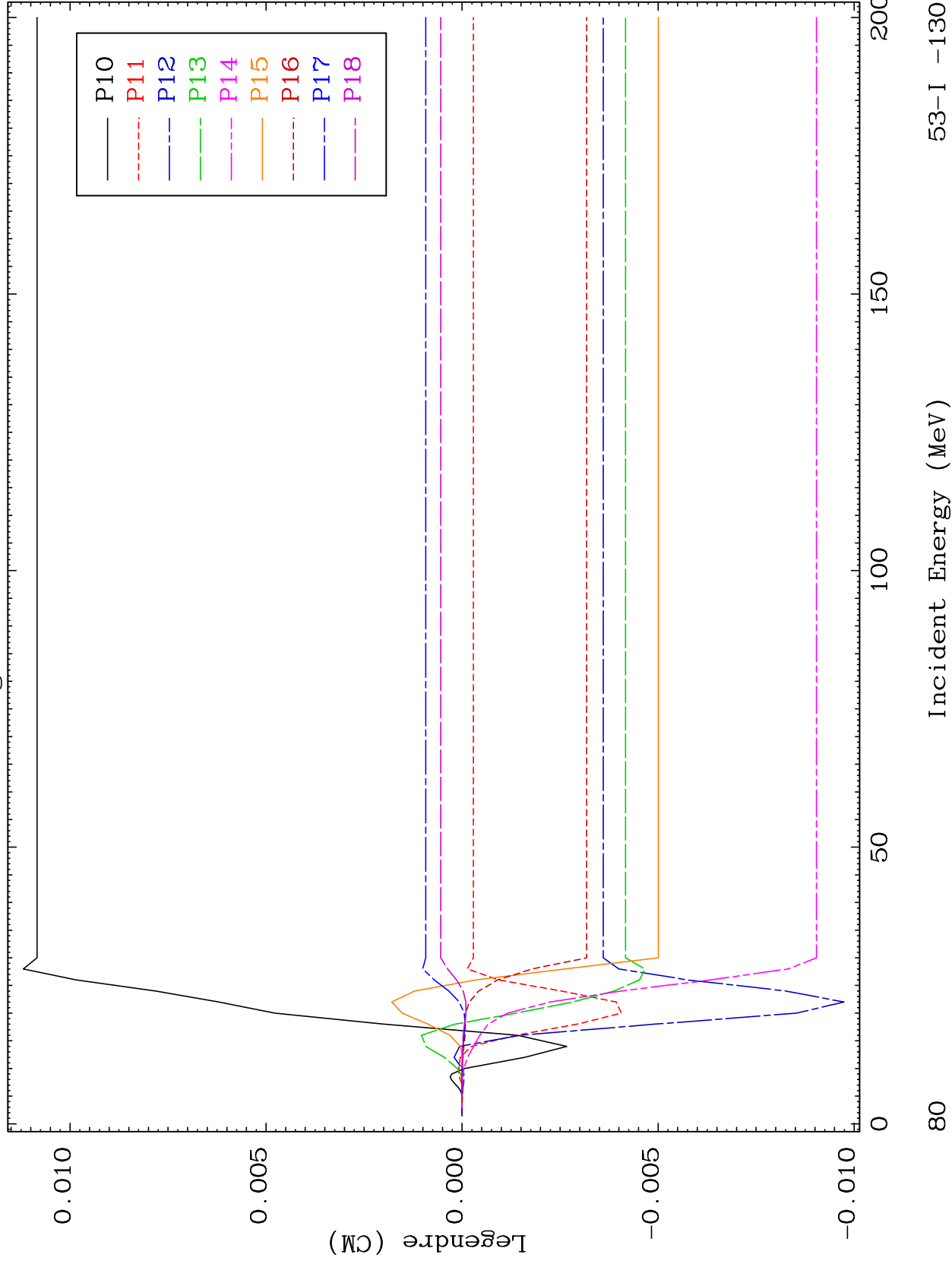
Incident Energy (MeV)

79

MAT 5334

245.1 keV (n,n') Level
Legendre Coefficients

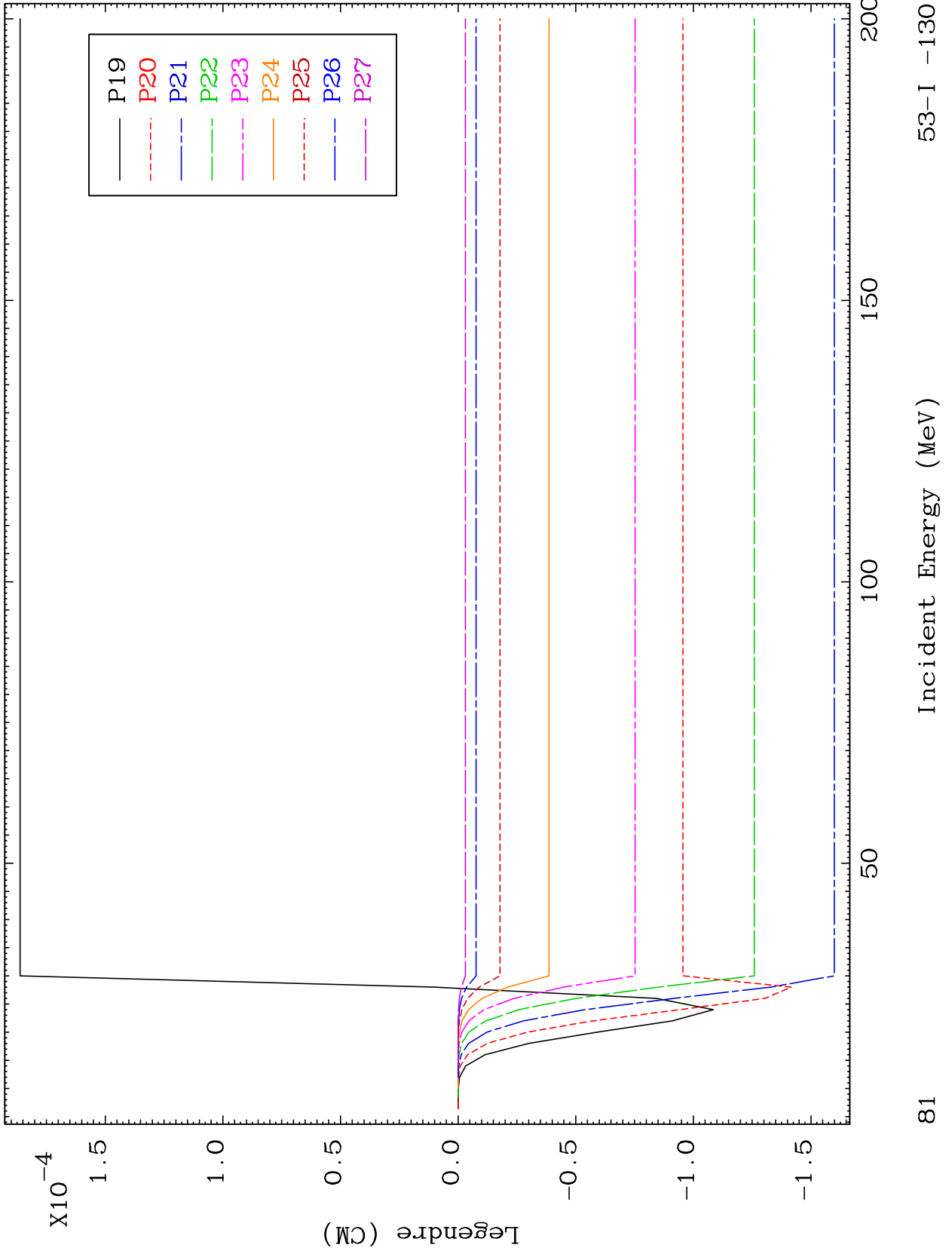
53-I -130

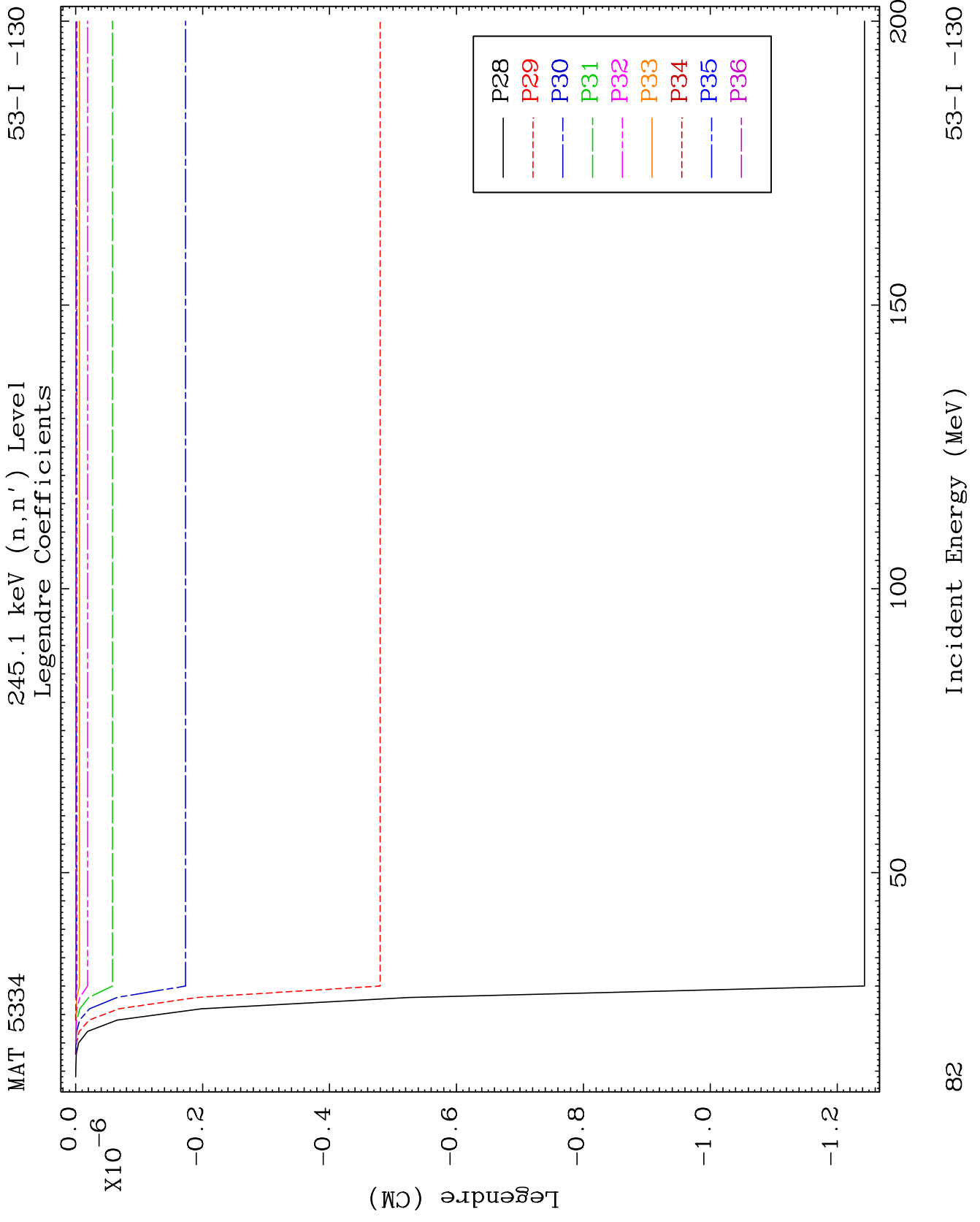


53-I -130

Incident Energy (MeV)

80

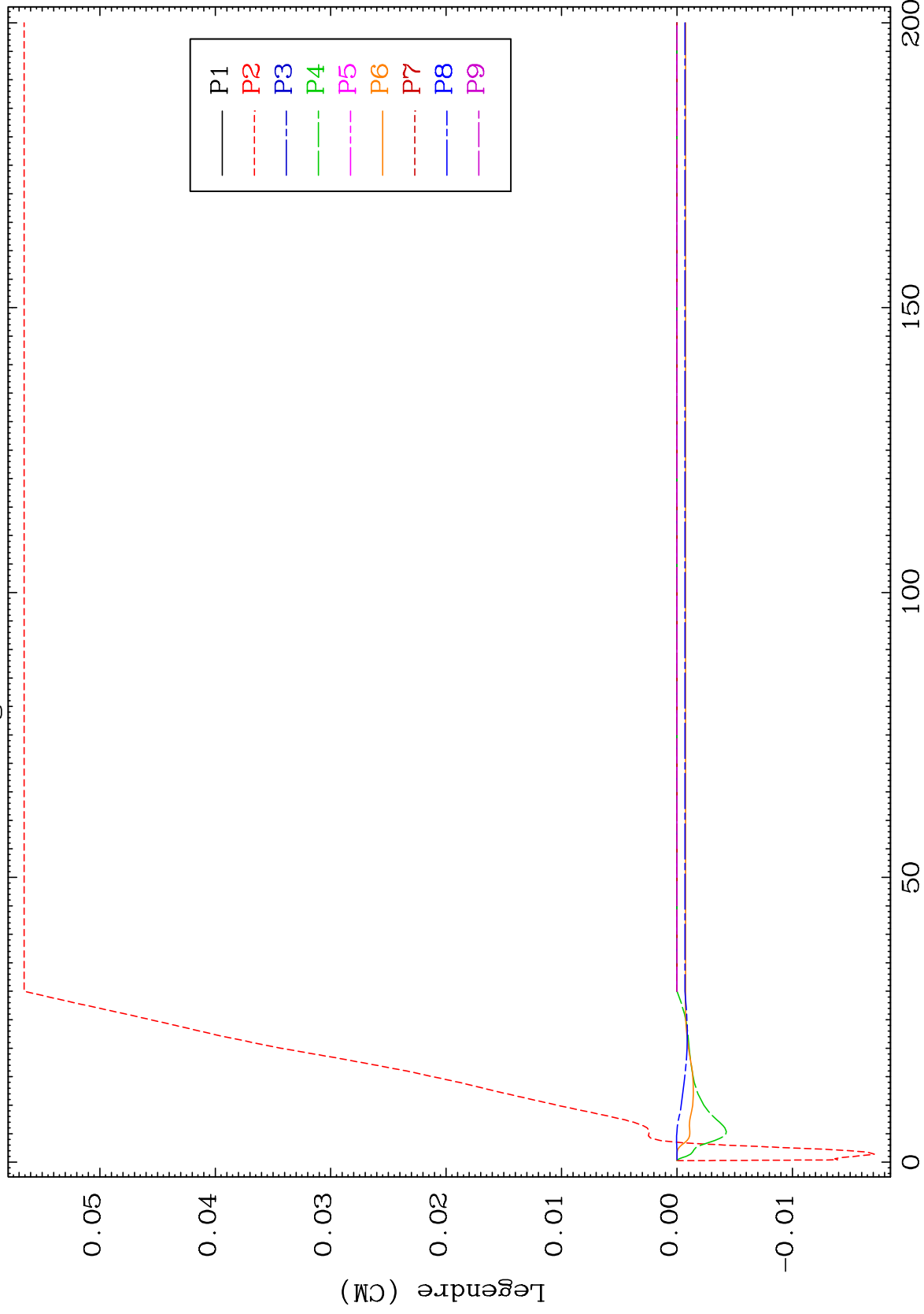




MAT 5334

251.5 keV (n,n') Level
Legendre Coefficients

53-I -130



83

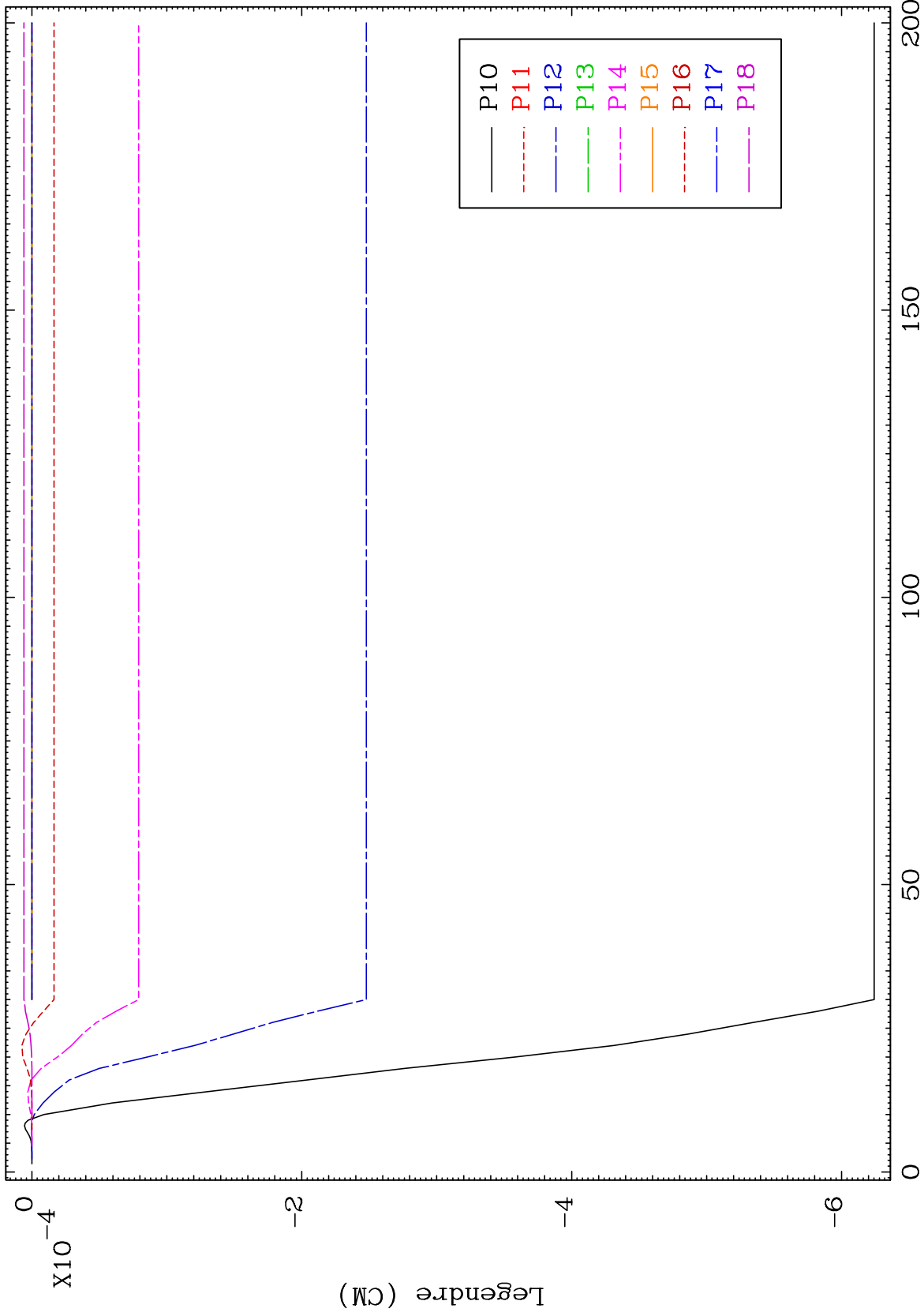
Incident Energy (MeV)

53-I -130

MAT 5334

251.5 keV (n,n') Level
Legendre Coefficients

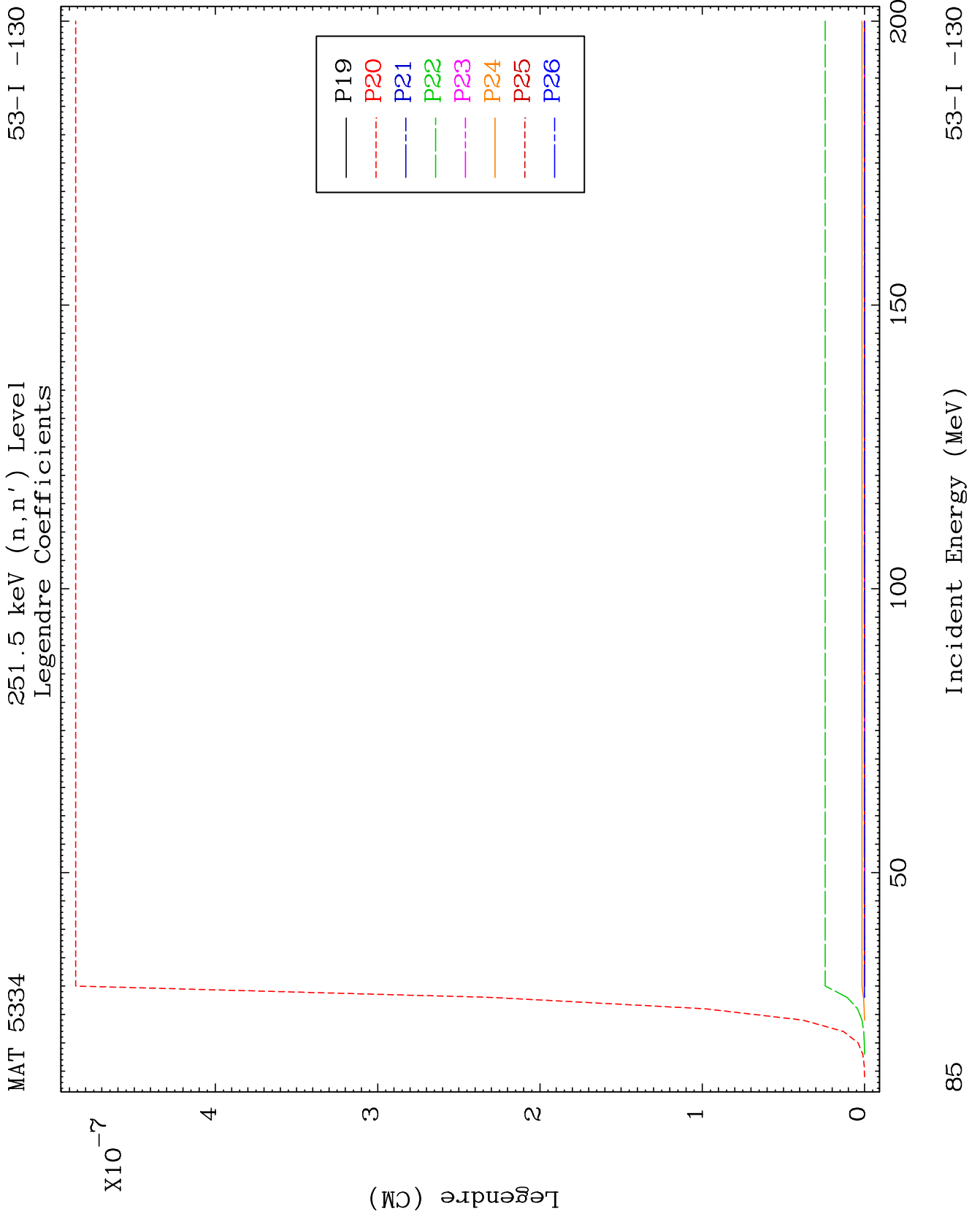
53-I -130



84

Incident Energy (MeV)

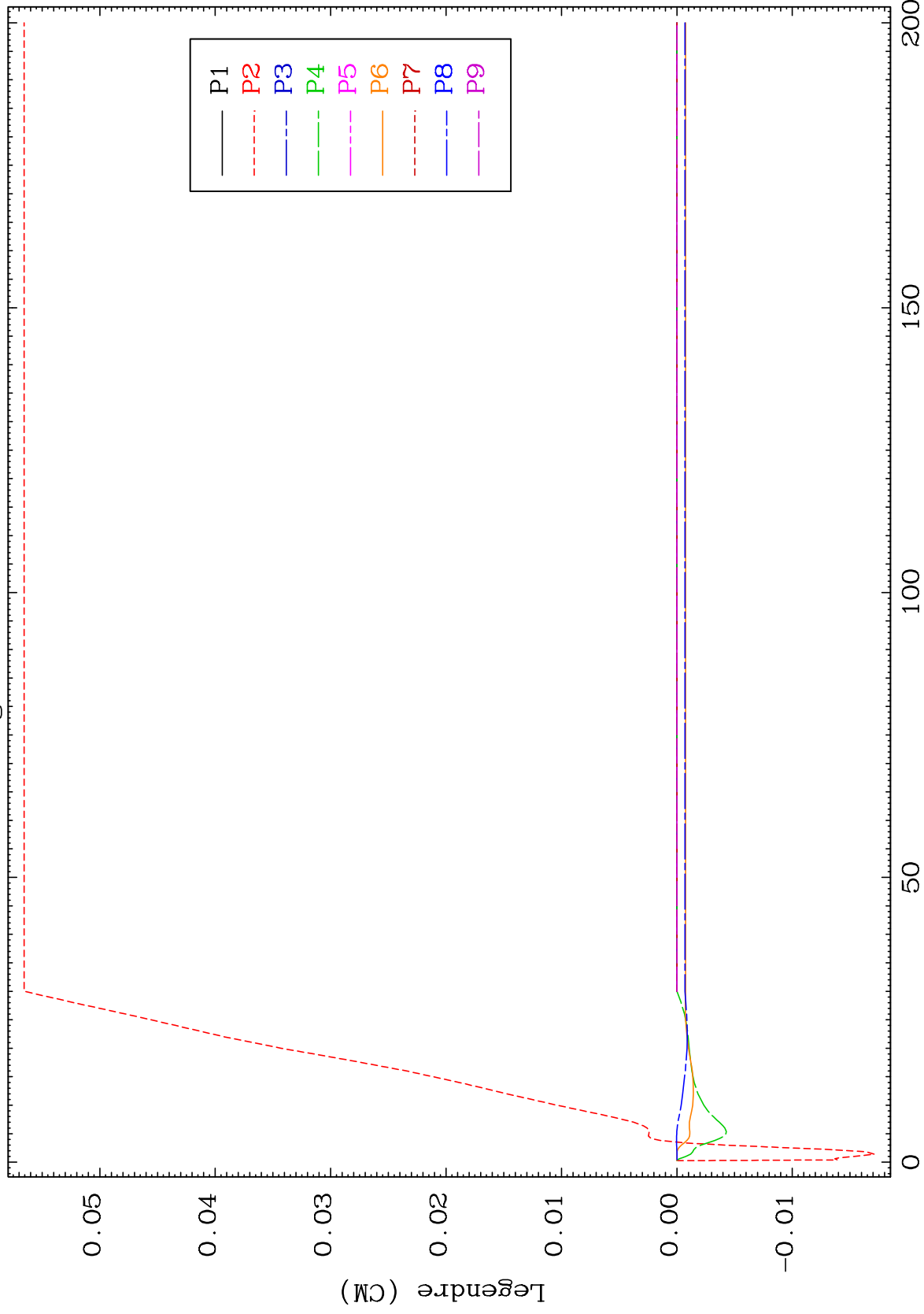
53-I -130



MAT 5334

254.8 keV (n,n') Level
Legendre Coefficients

53-I -130



86

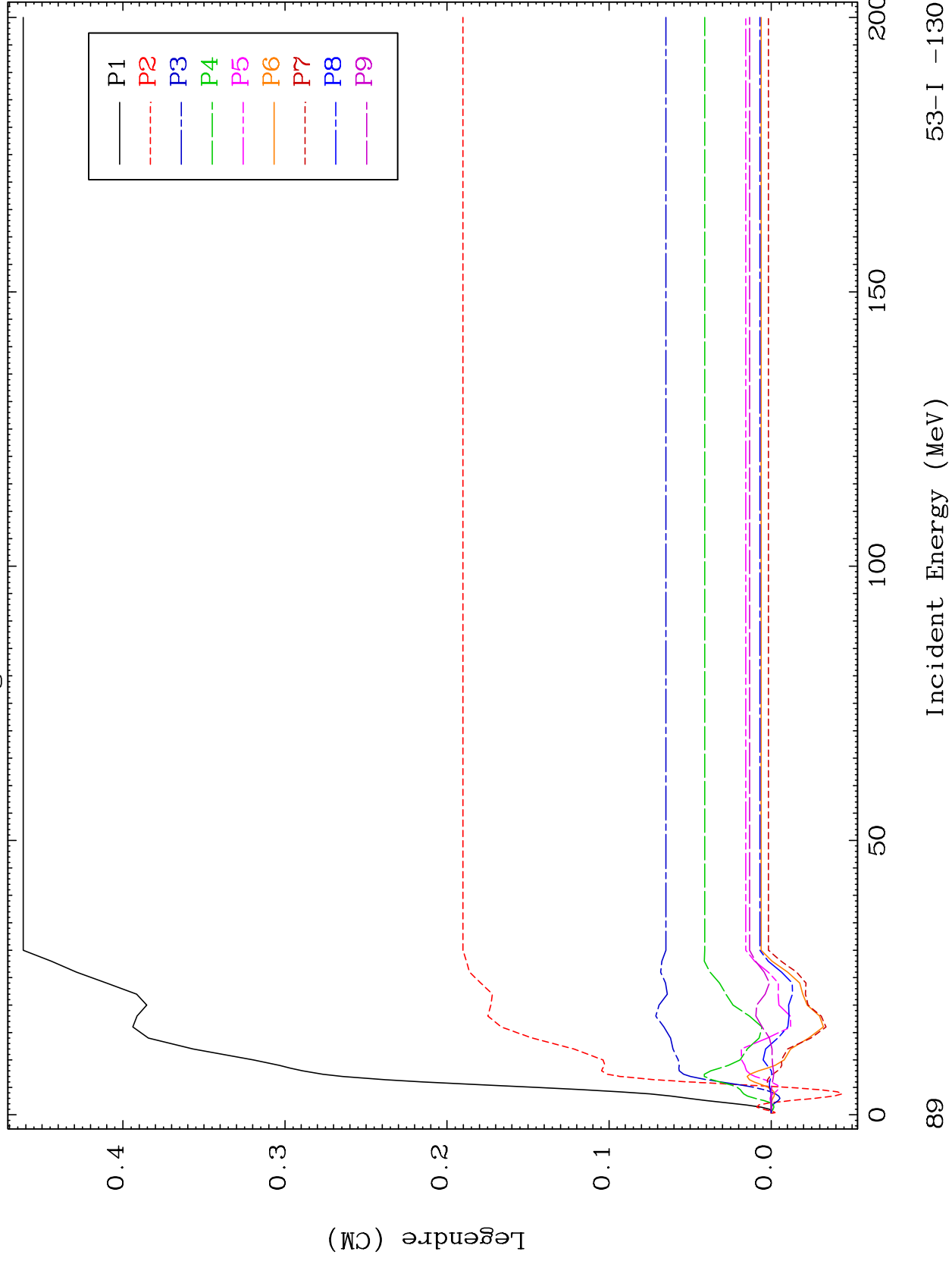
Incident Energy (MeV)

53-I -130

MAT 5334

262.1 keV (n,n') Level
Legendre Coefficients

53-I -130



89

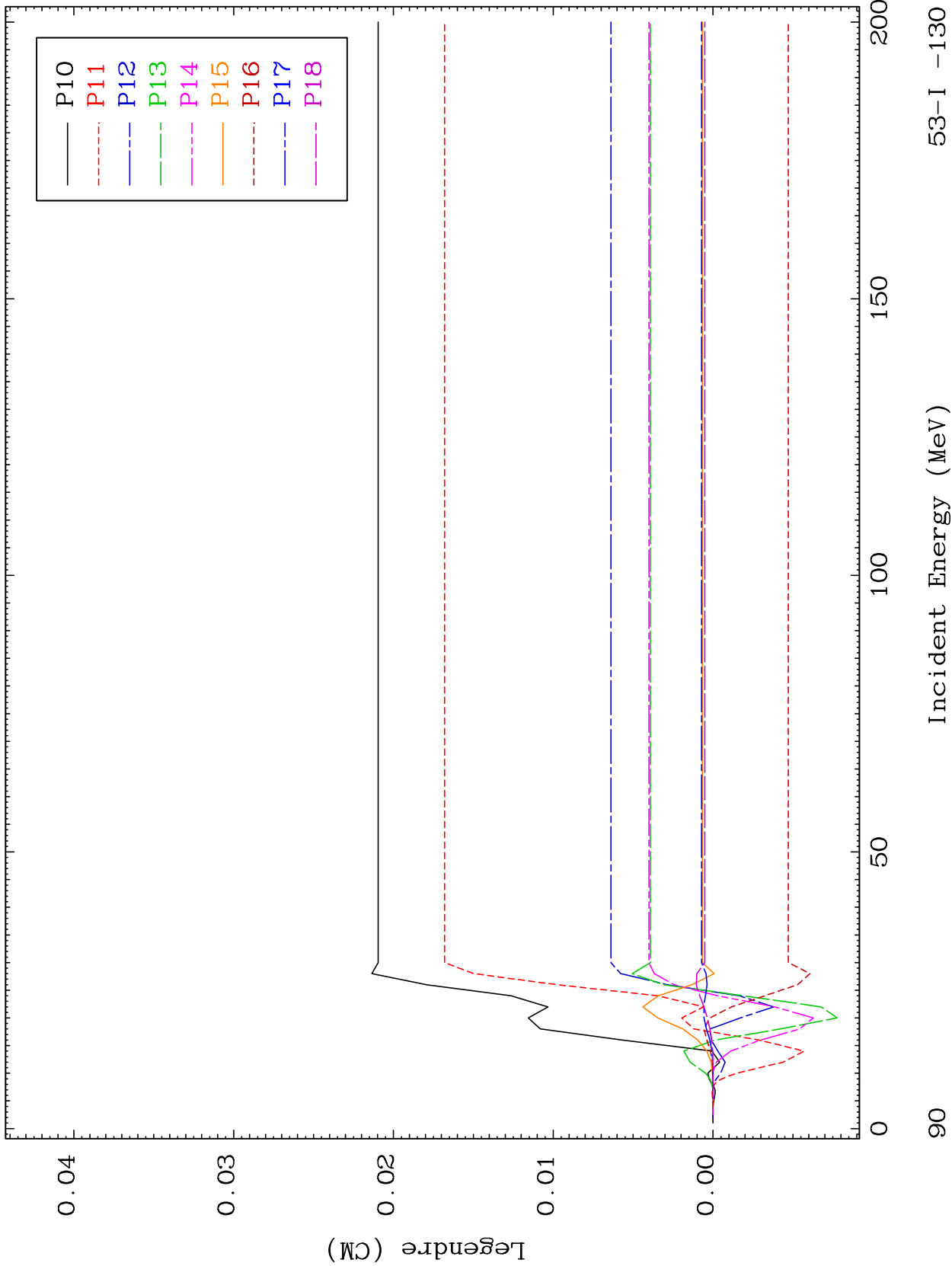
Incident Energy (MeV)

53-I -130

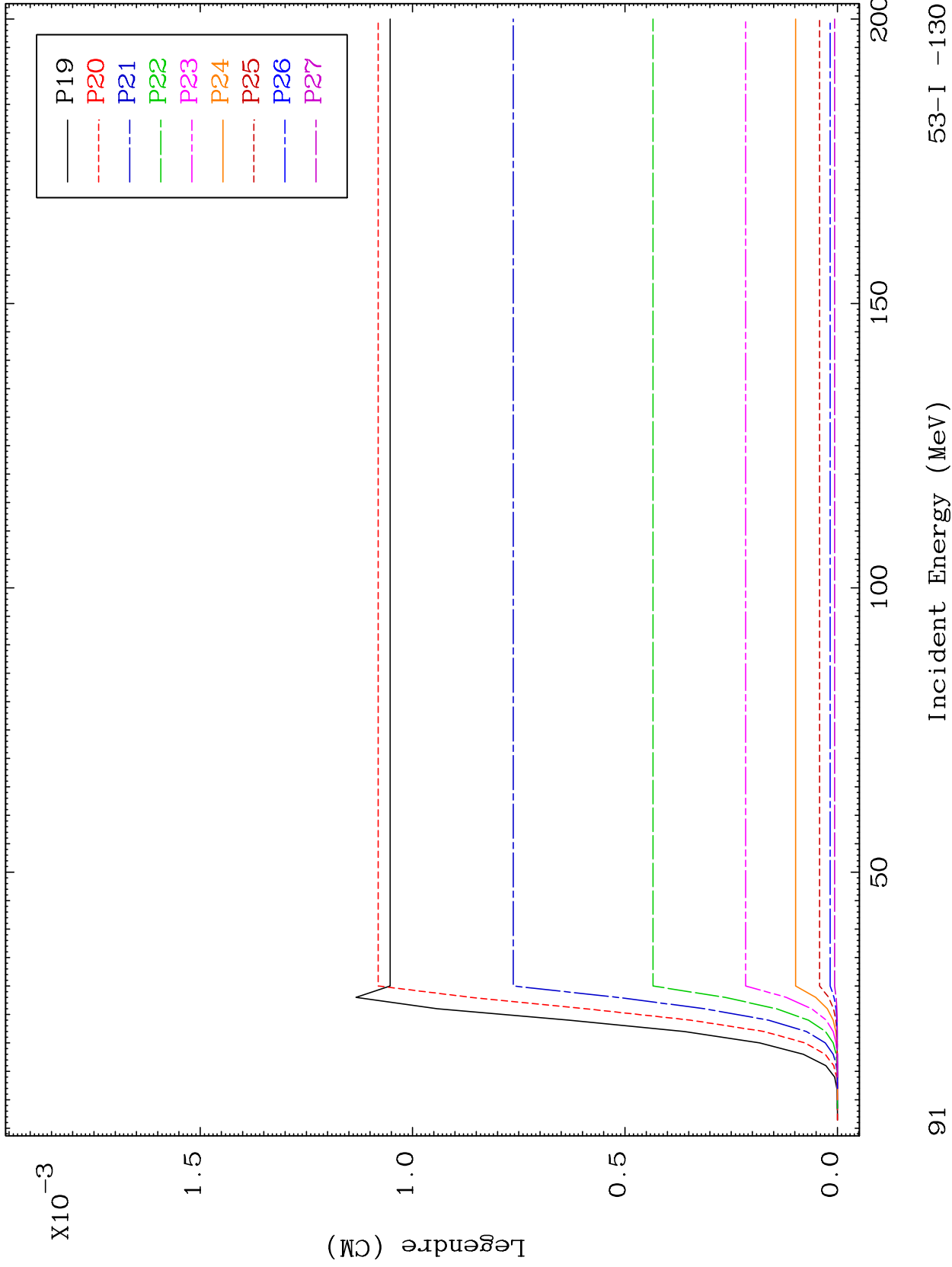
MAT 5334

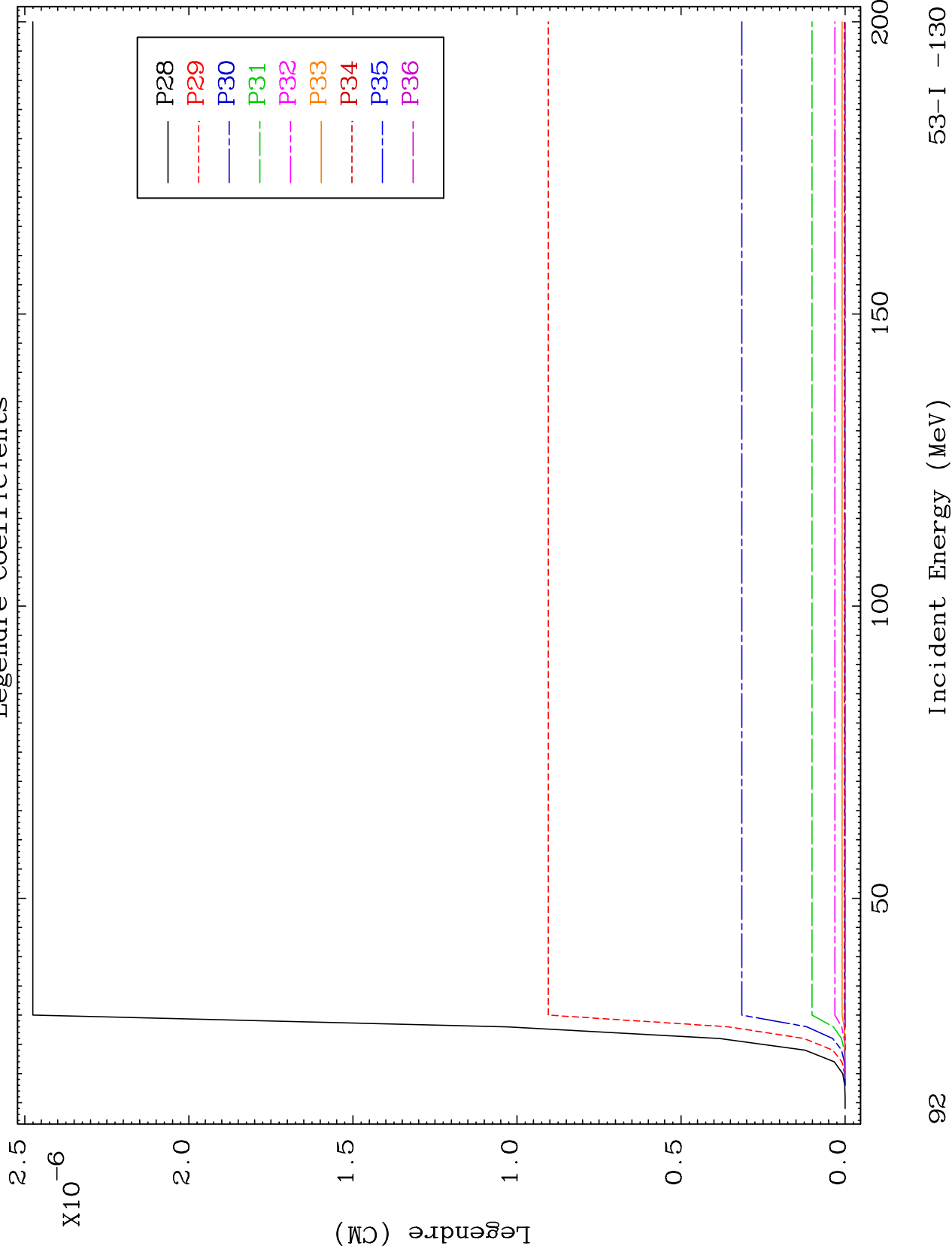
262.1 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

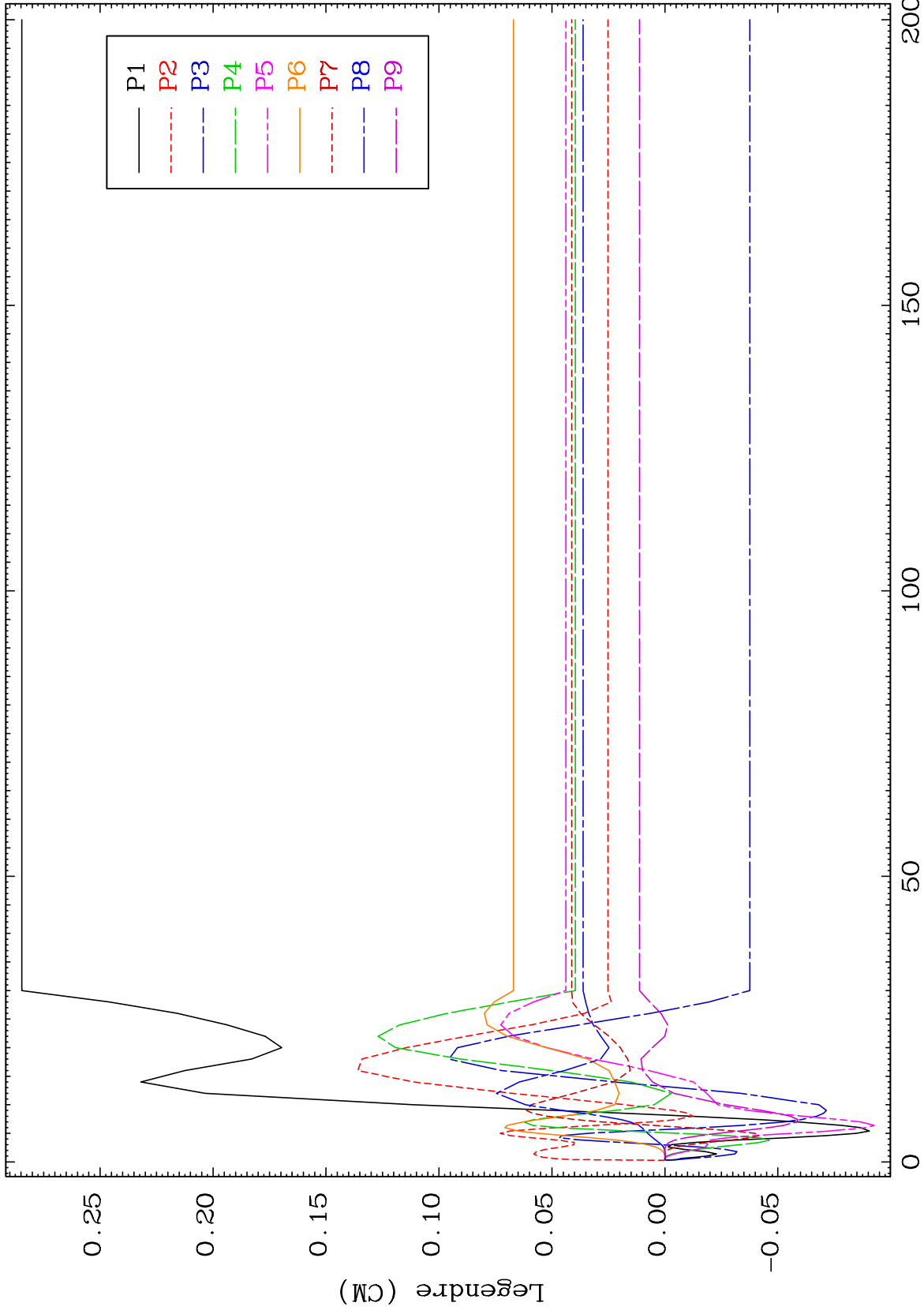




MAT 5334

264.7 keV (n,n') Level
Legendre Coefficients

53-I -130



93

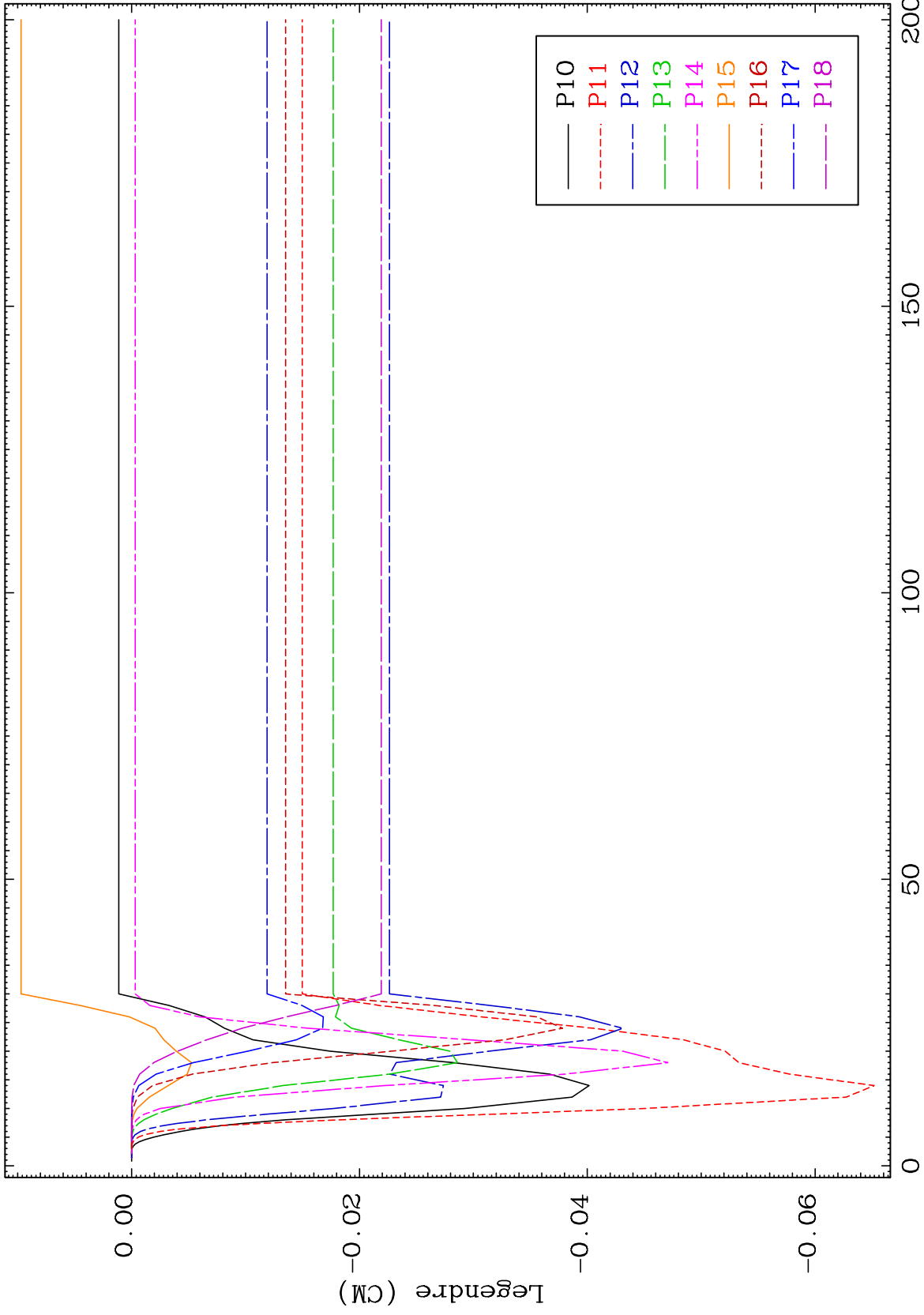
Incident Energy (MeV)

53-I -130

MAT 5334

264.7 keV (n,n') Level
Legendre Coefficients

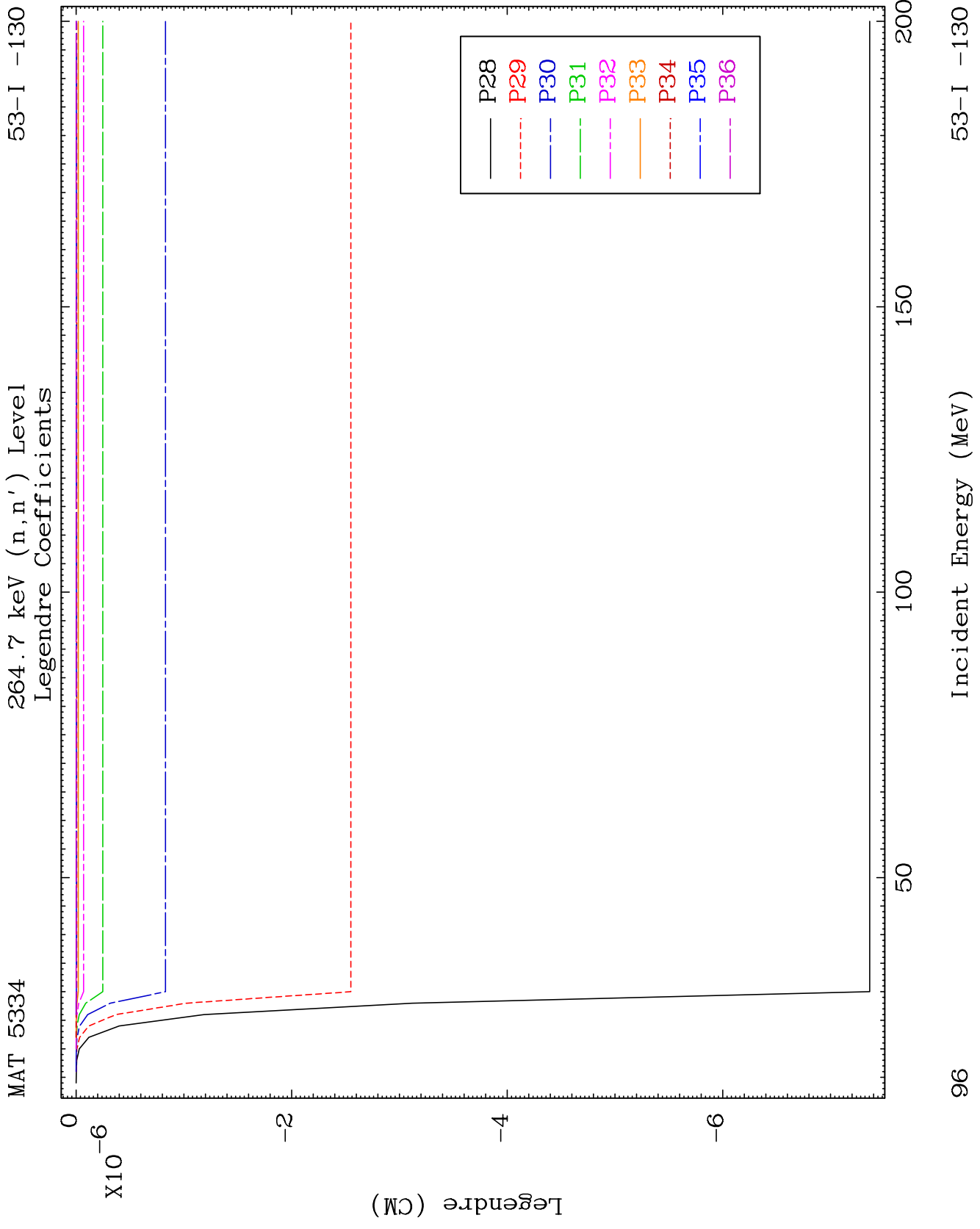
53-I -130



94

Incident Energy (MeV)

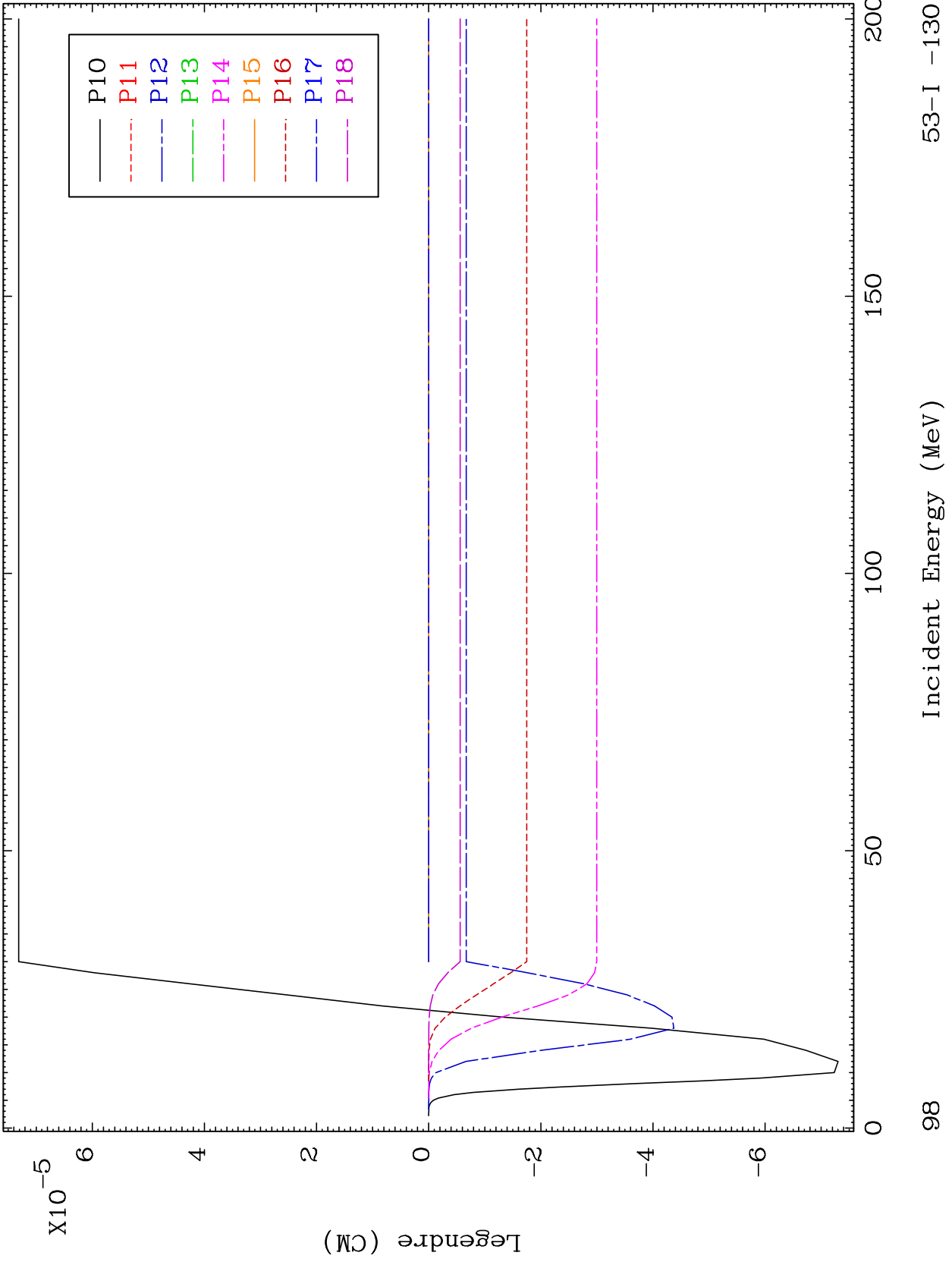
53-I -130



MAT 5334

296.0 keV (n,n') Level
Legendre Coefficients

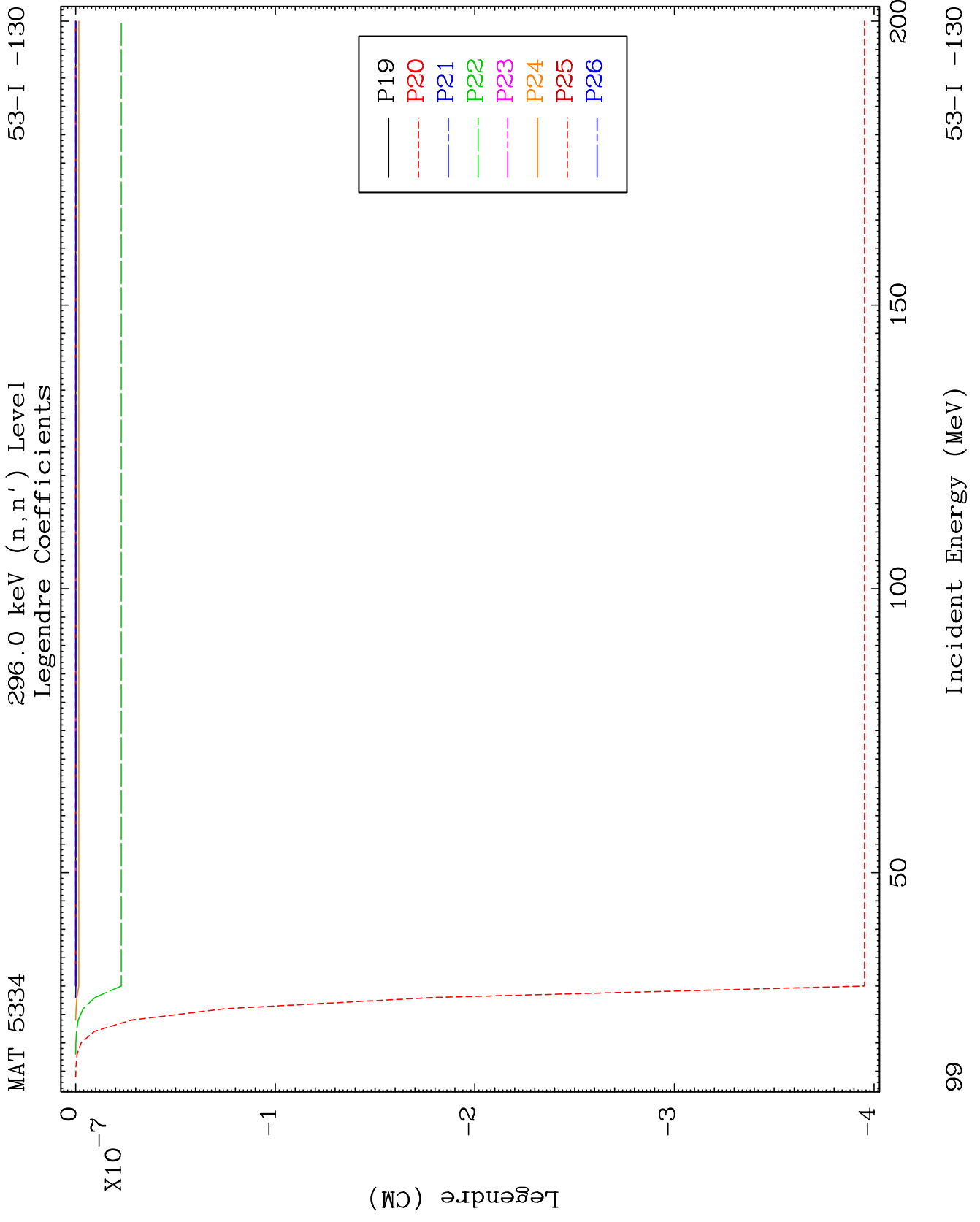
53-I -130

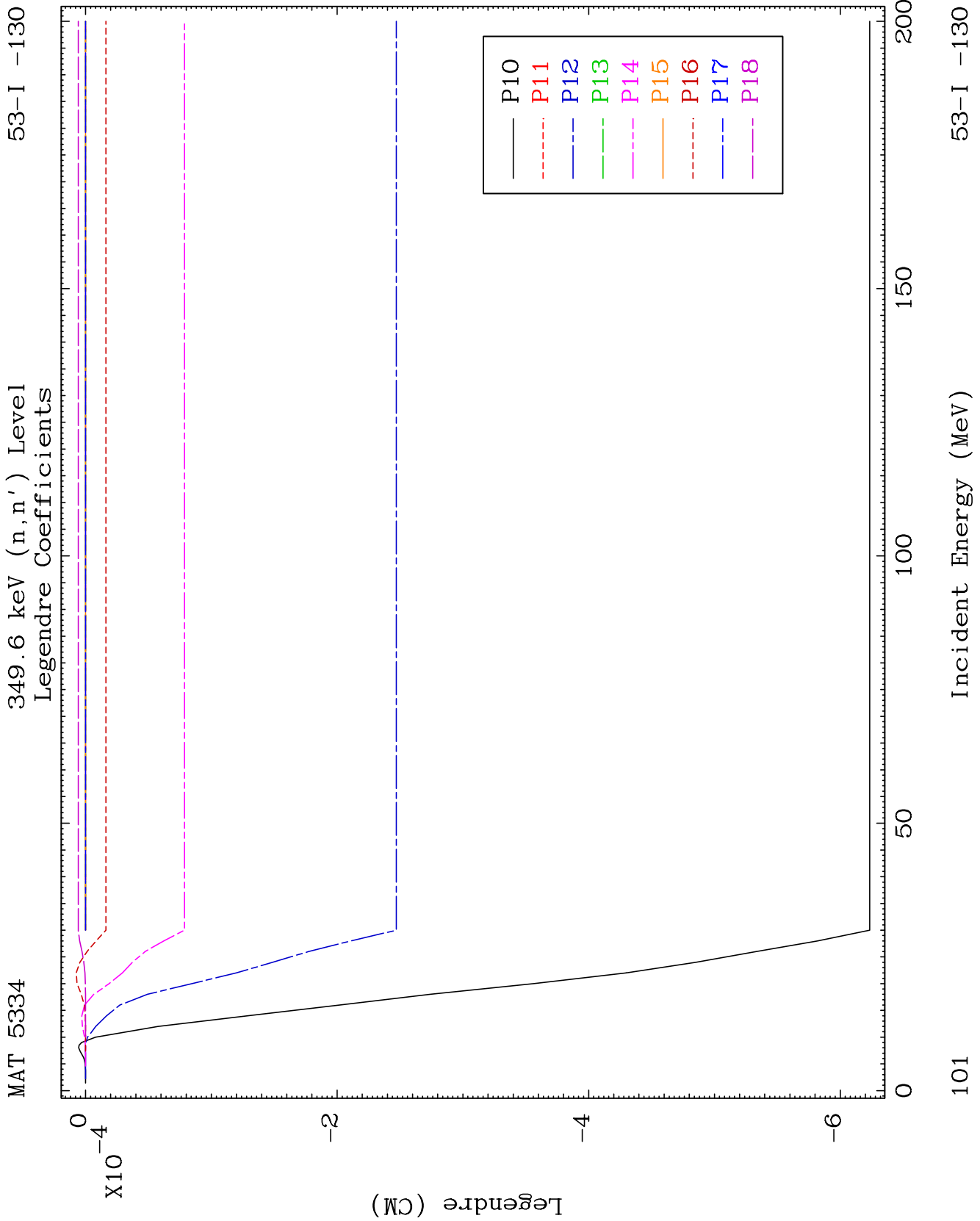


98

Incident Energy (MeV)

53-I -130

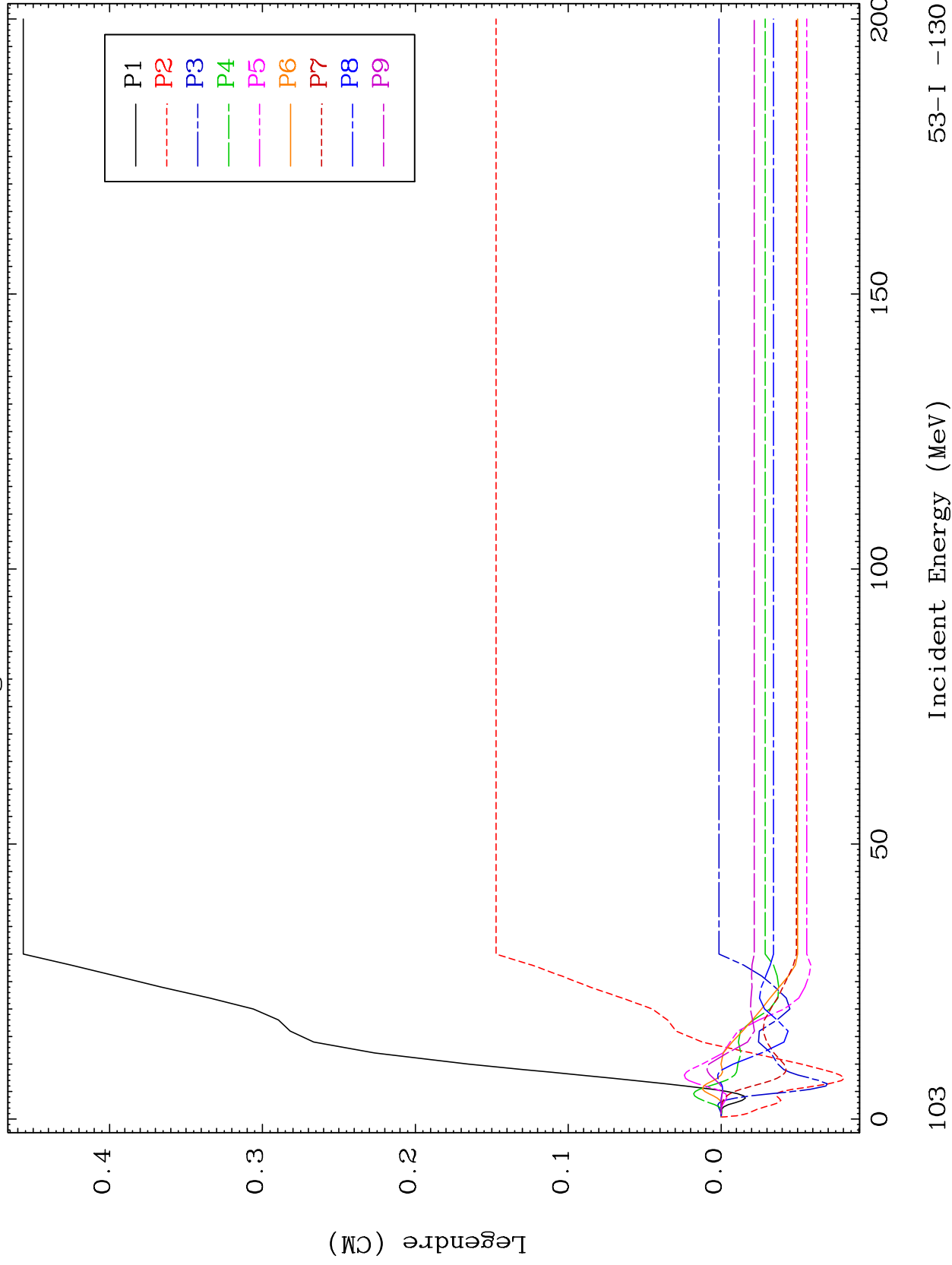




MAT 5334

353.7 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

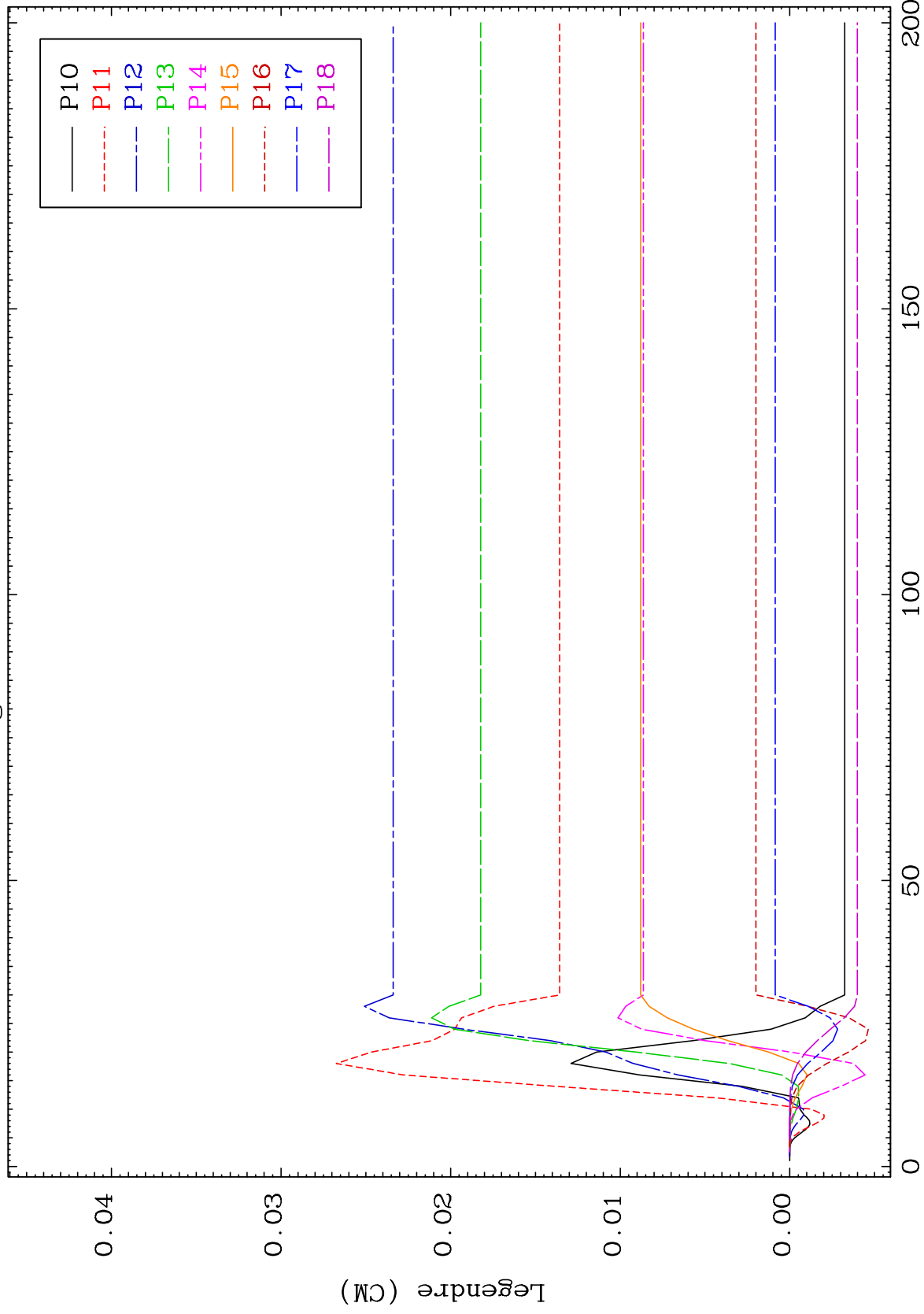
Incident Energy (MeV)

103

MAT 5334

353.7 keV (n,n') Level
Legendre Coefficients

53-I -130



104

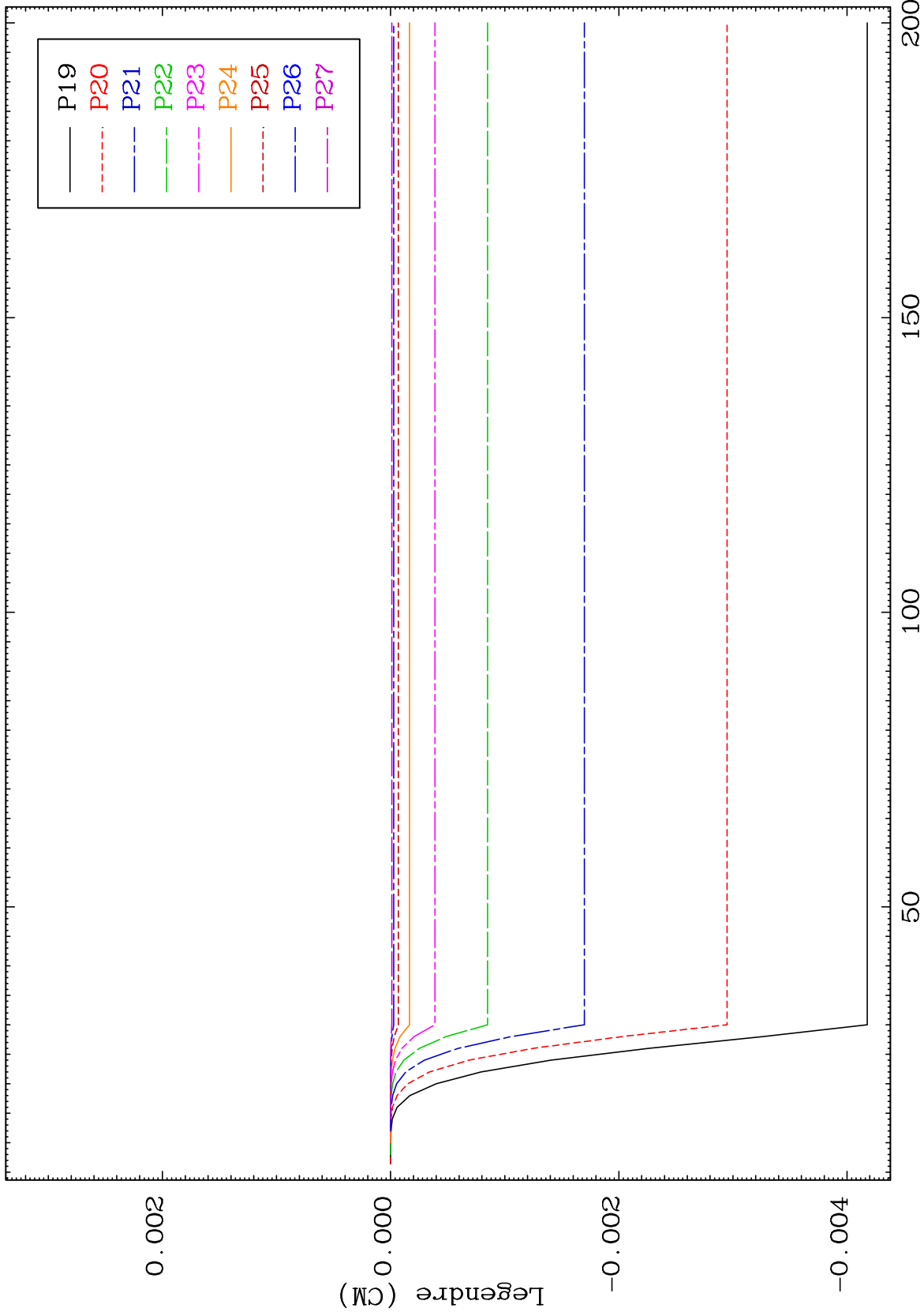
Incident Energy (MeV)

53-I -130

MAT 5334

353.7 keV (n,n') Level
Legendre Coefficients

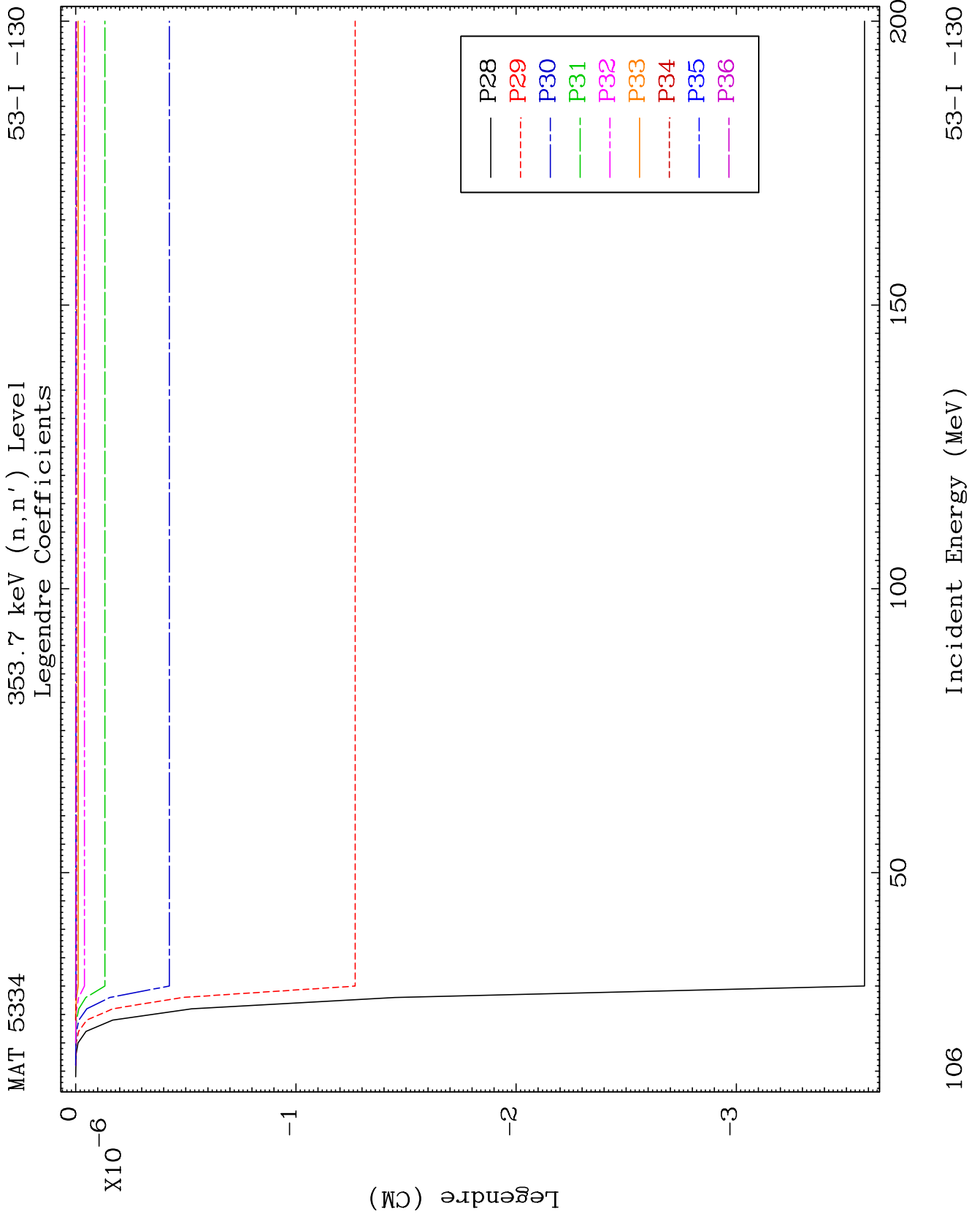
53-I -130



105

Incident Energy (MeV)

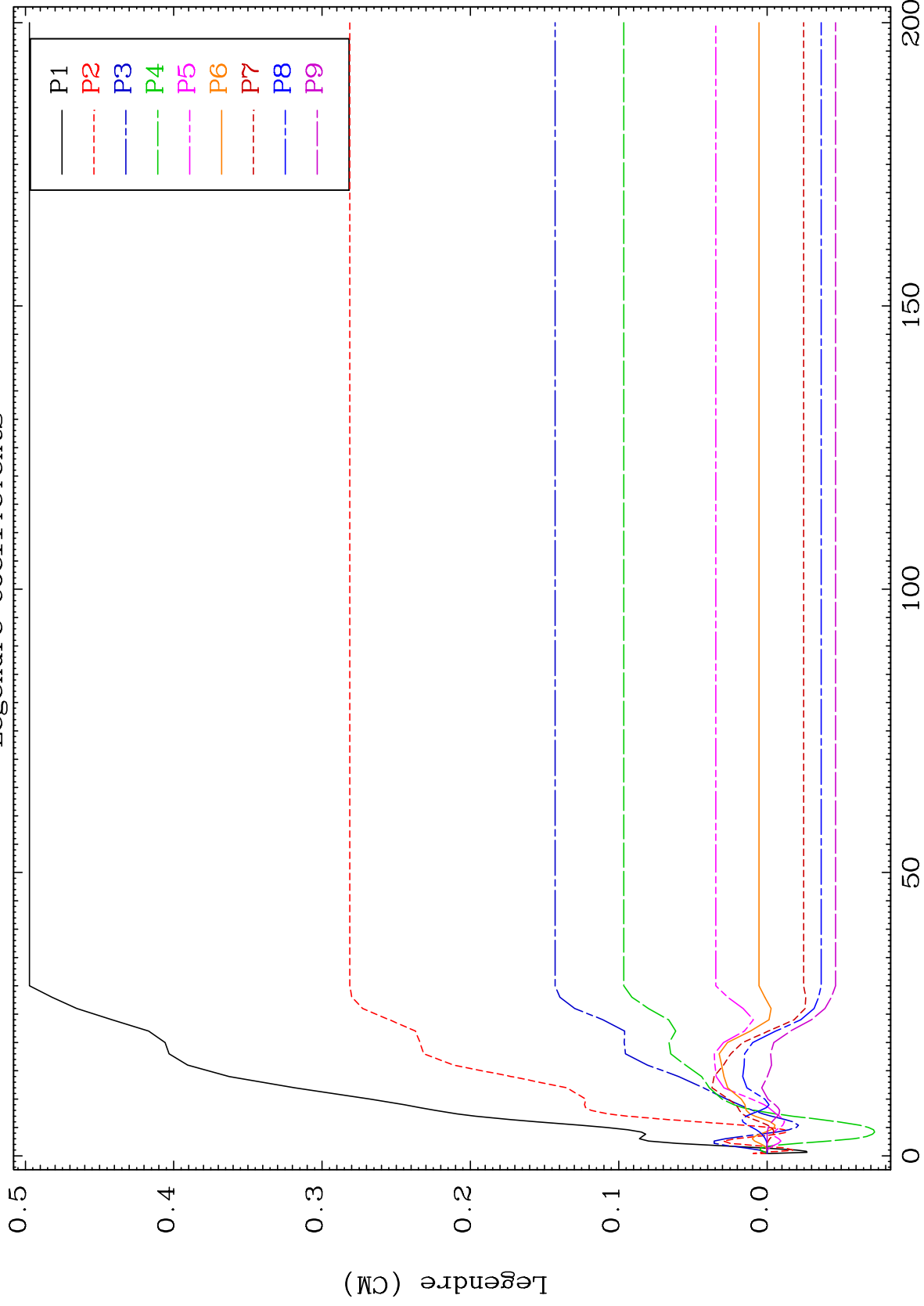
53-I -130



MAT 5334

374.7 keV (n,n') Level
Legendre Coefficients

53-I -130



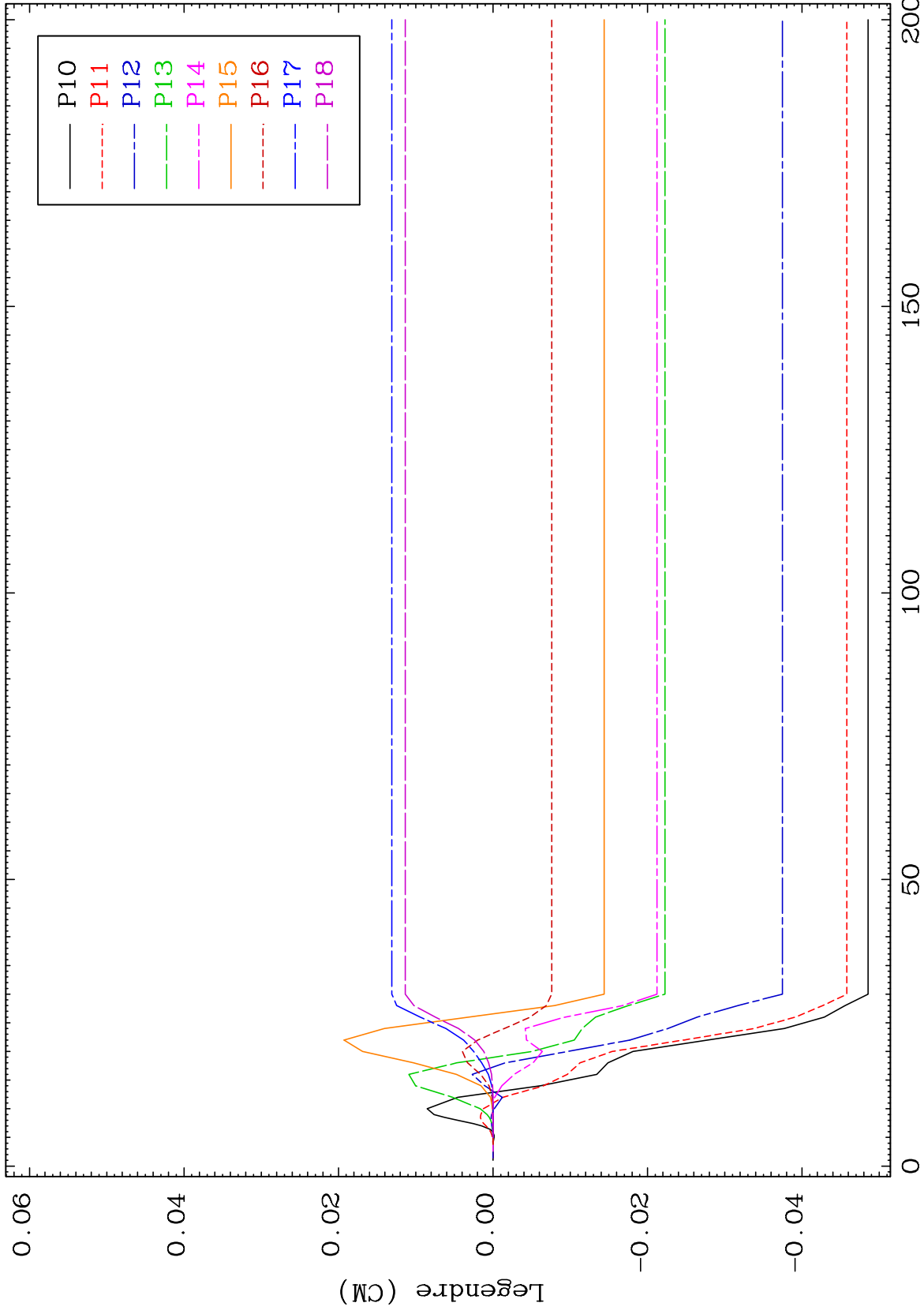
107

53-I -130

MAT 5334

374.7 keV (n,n') Level
Legendre Coefficients

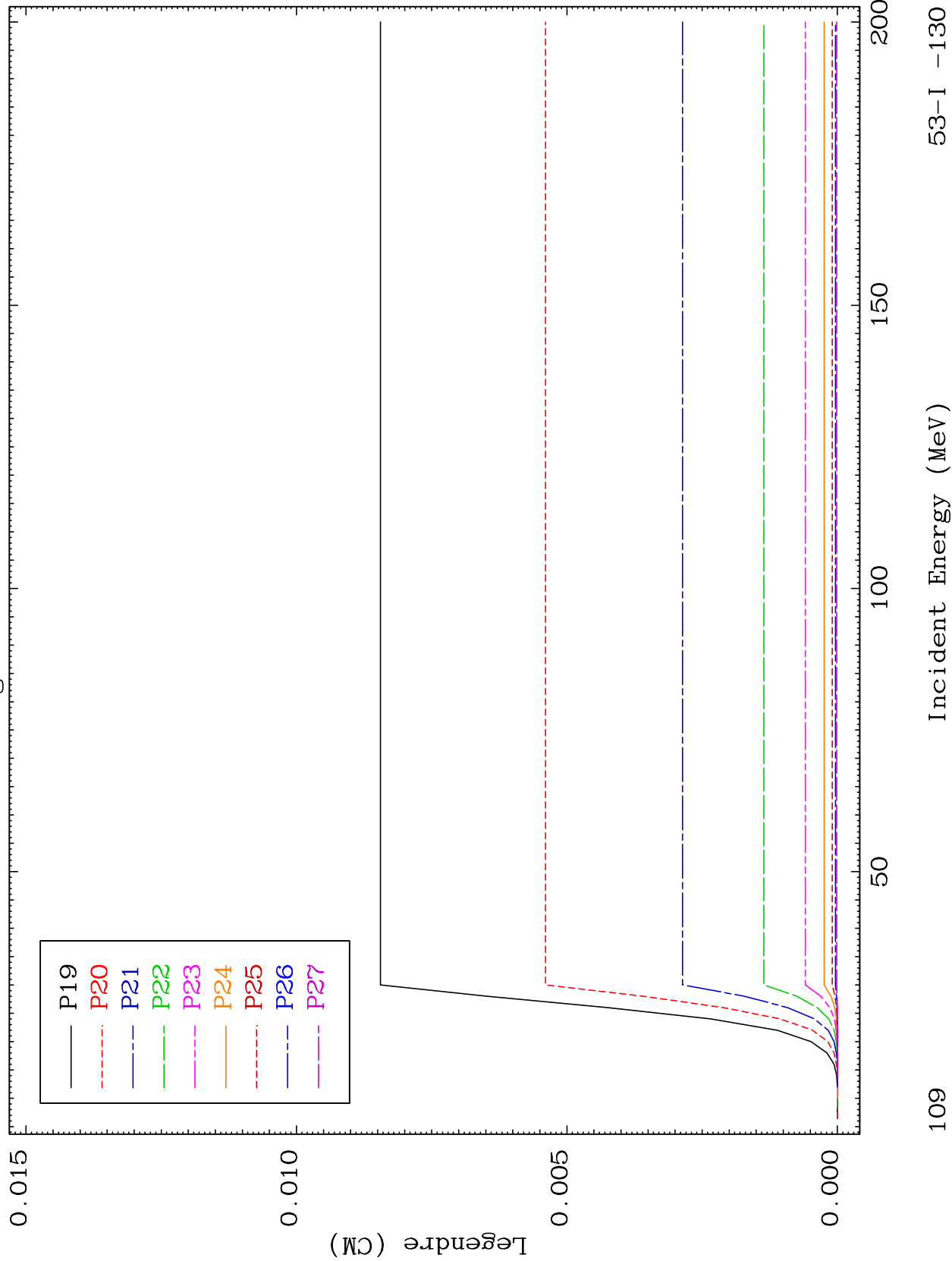
53-I -130



108

Incident Energy (MeV)

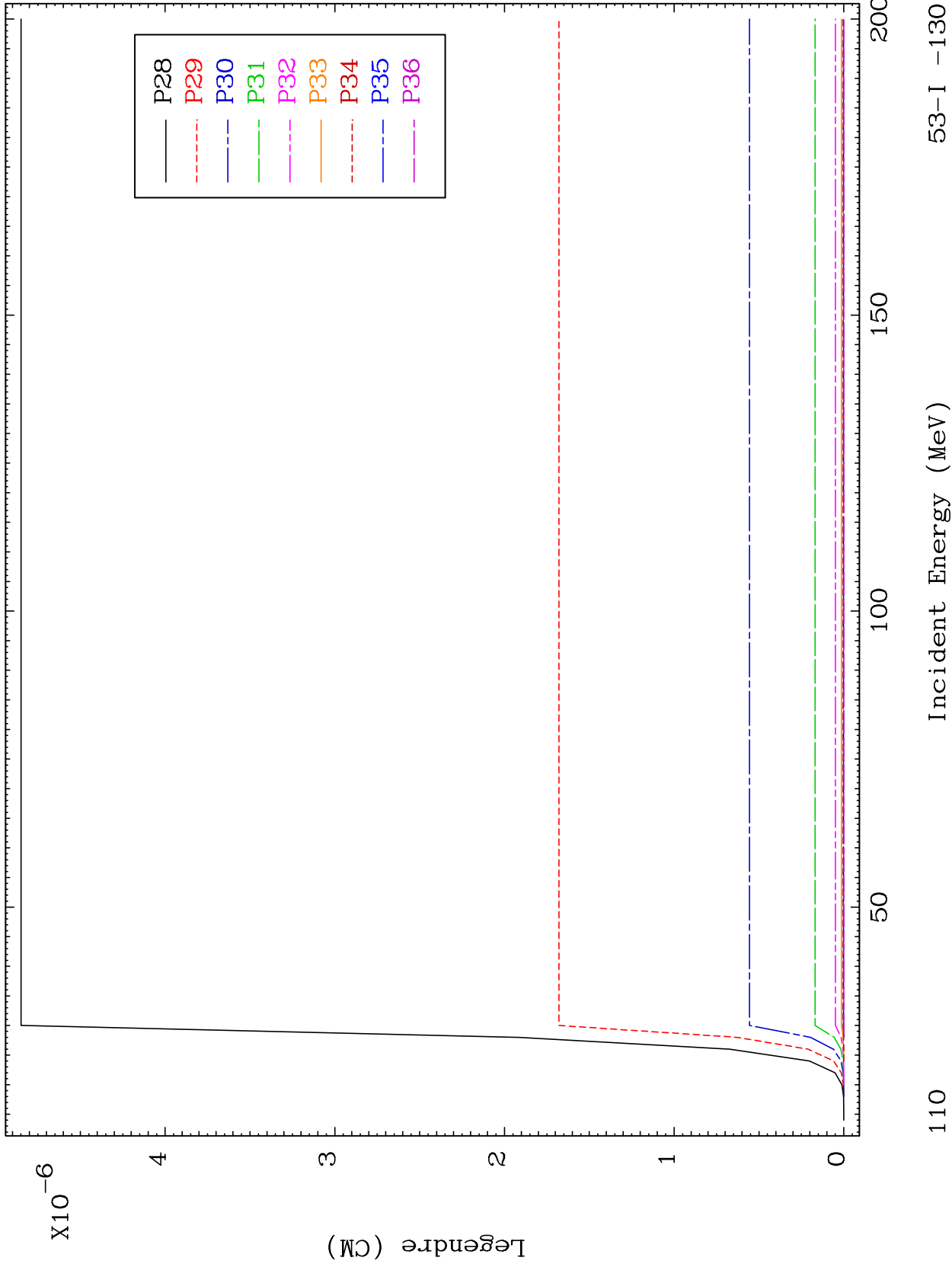
53-I -130



MAT 5334

374.7 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

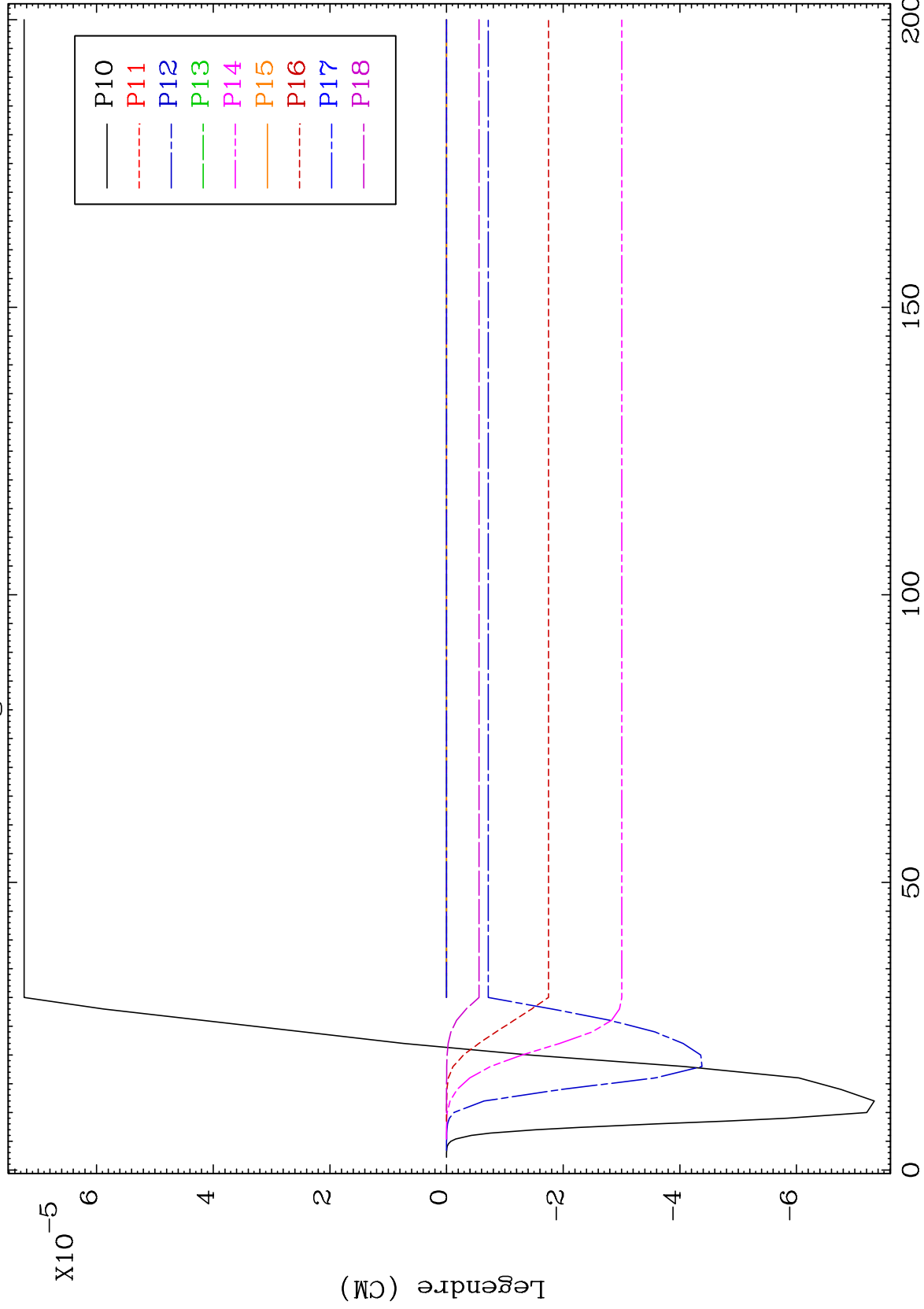
Incident Energy (MeV)

110

MAT 5334

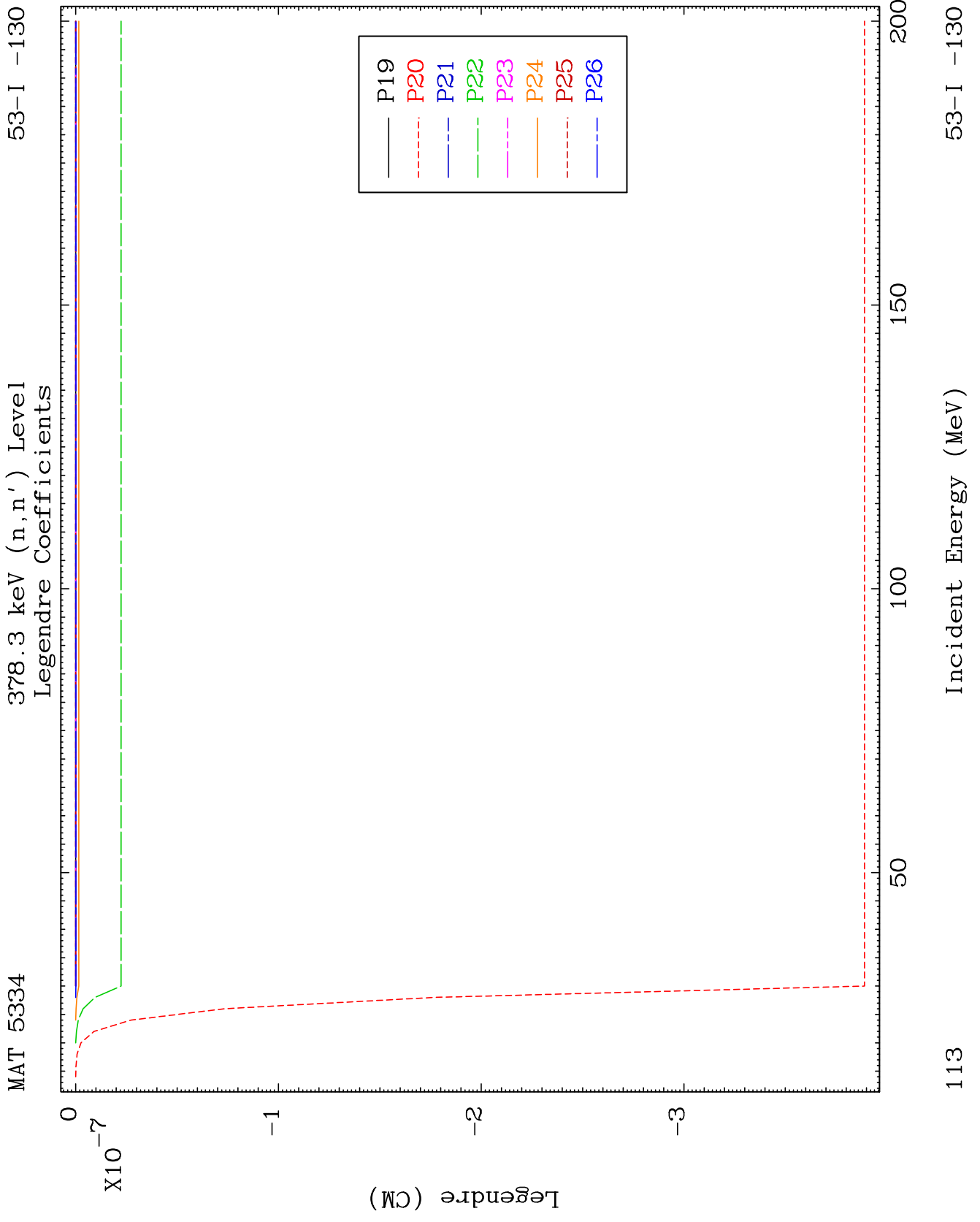
378.3 keV (n,n') Level
Legendre Coefficients

53-I -130



112

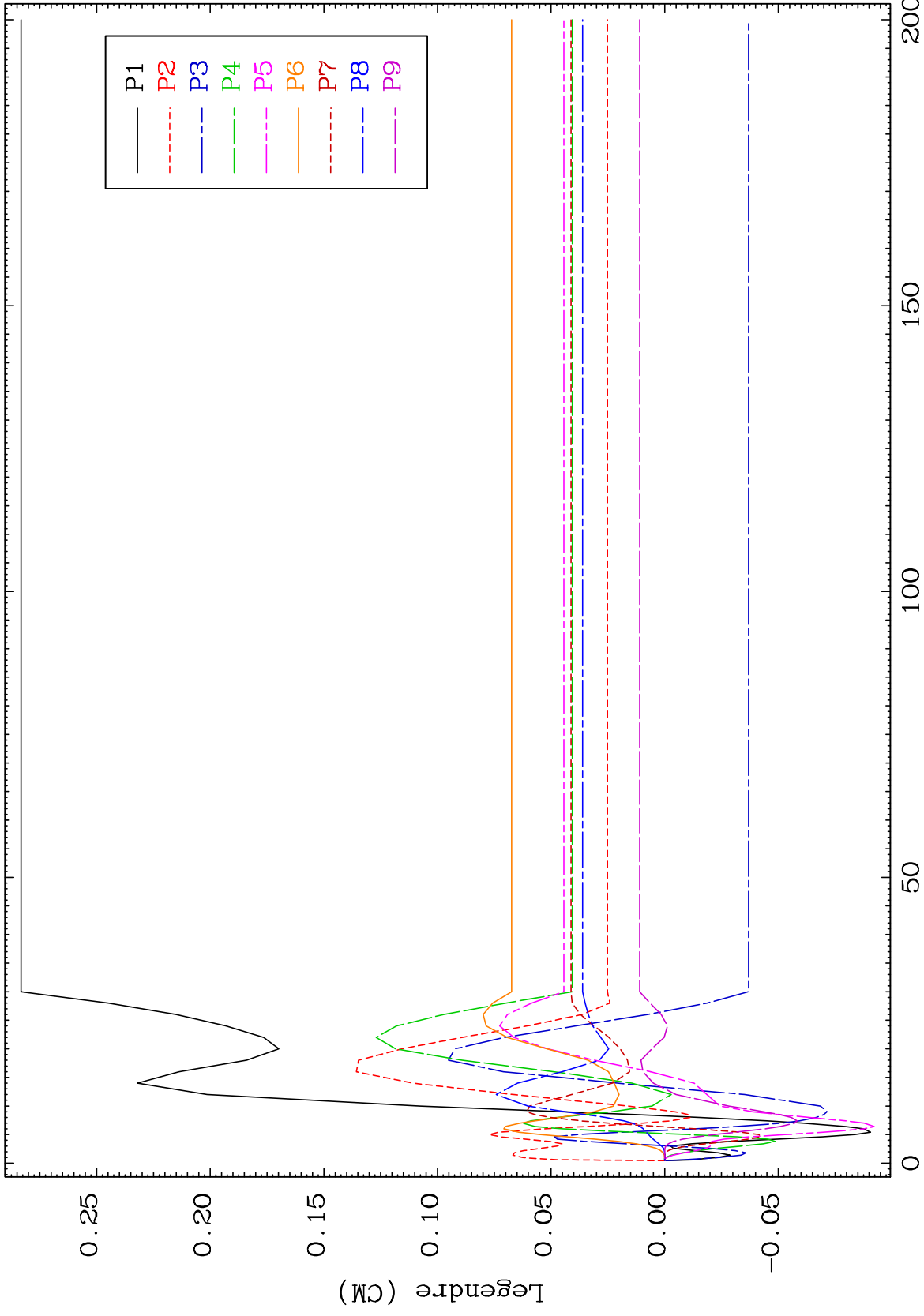
53-I -130



MAT 5334

428.6 keV (n,n') Level
Legendre Coefficients

53-I -130



114

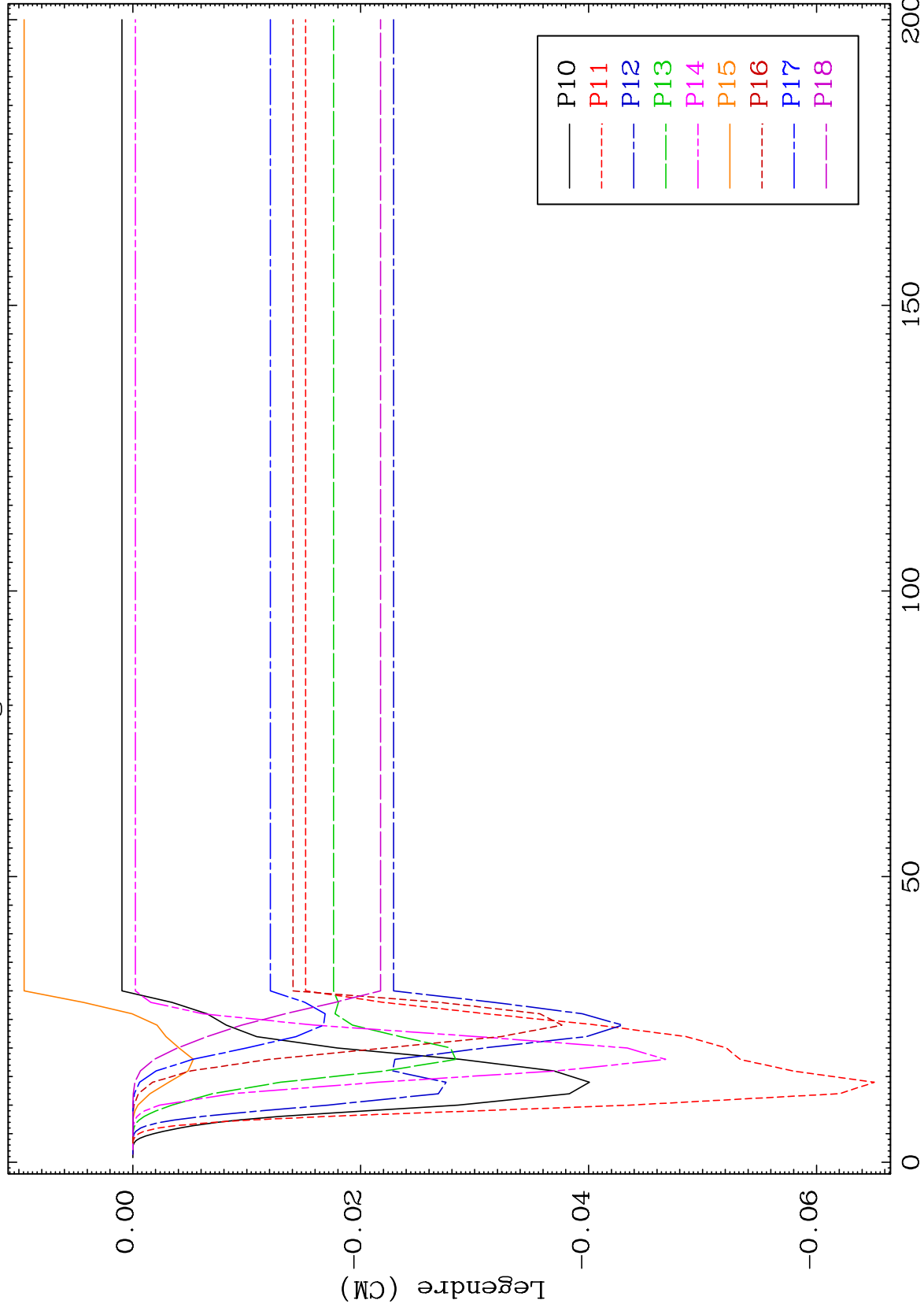
Incident Energy (MeV)

53-I -130

MAT 5334

428.6 keV (n,n') Level
Legendre Coefficients

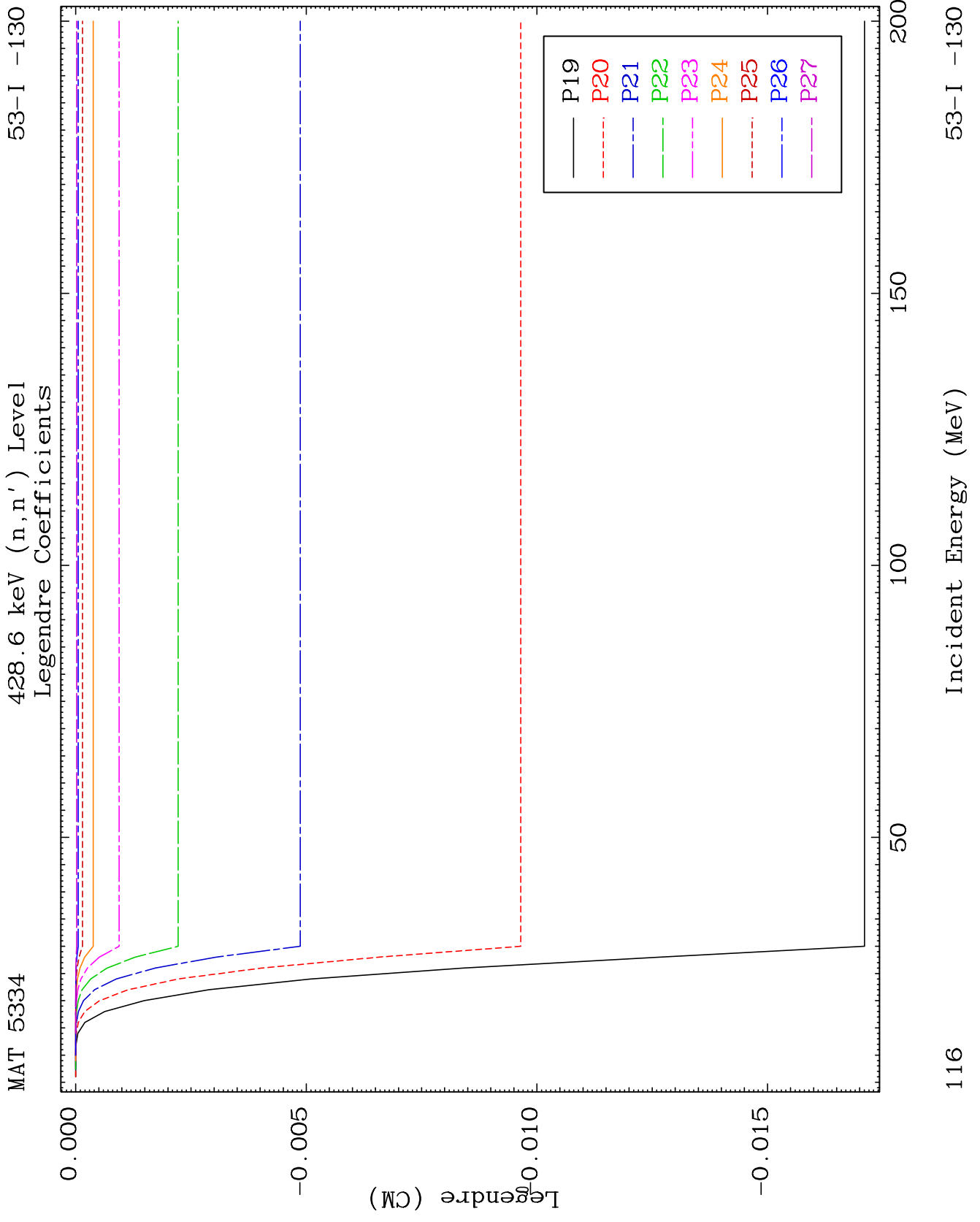
53-I -130

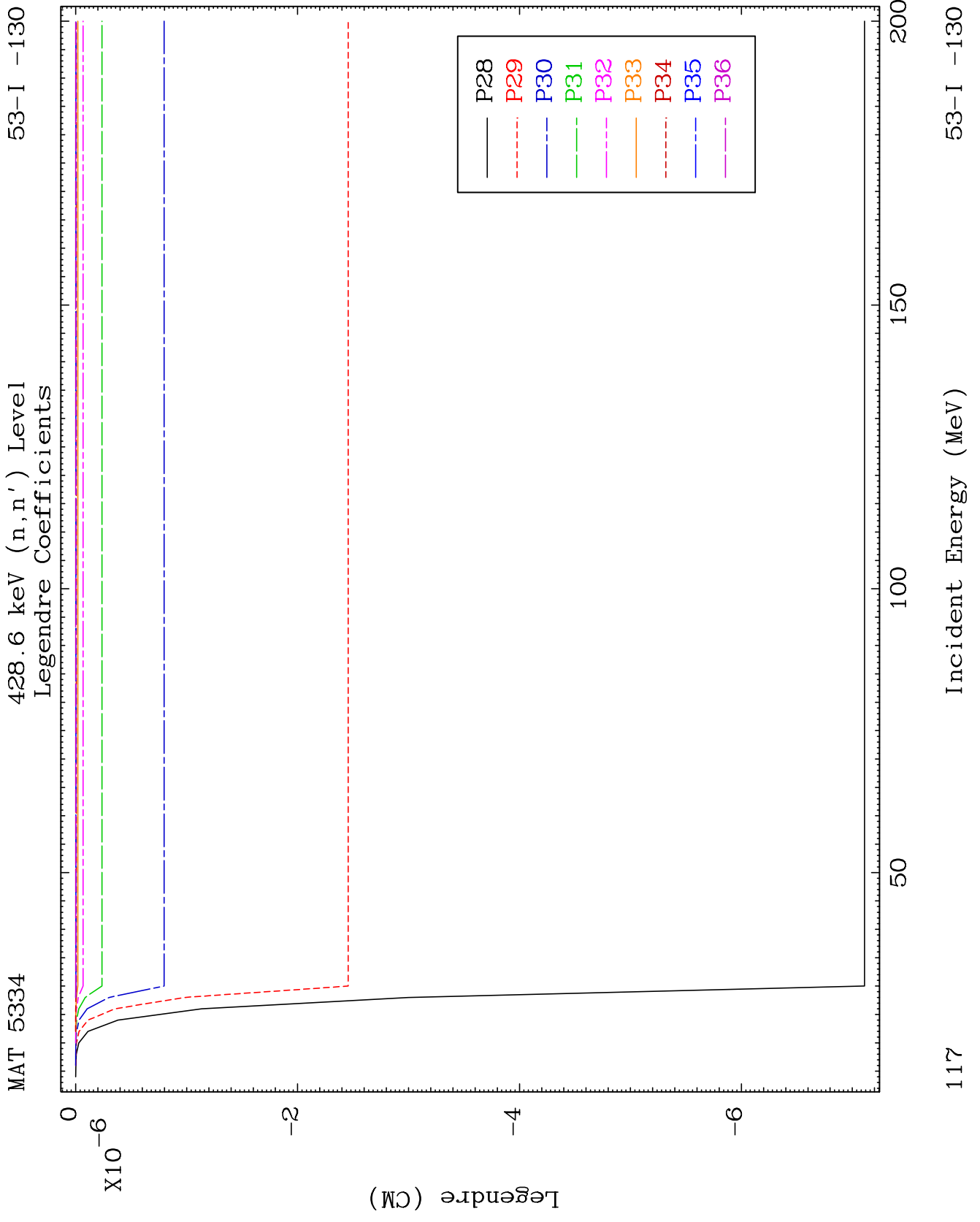


115

Incident Energy (MeV)

53-I -130

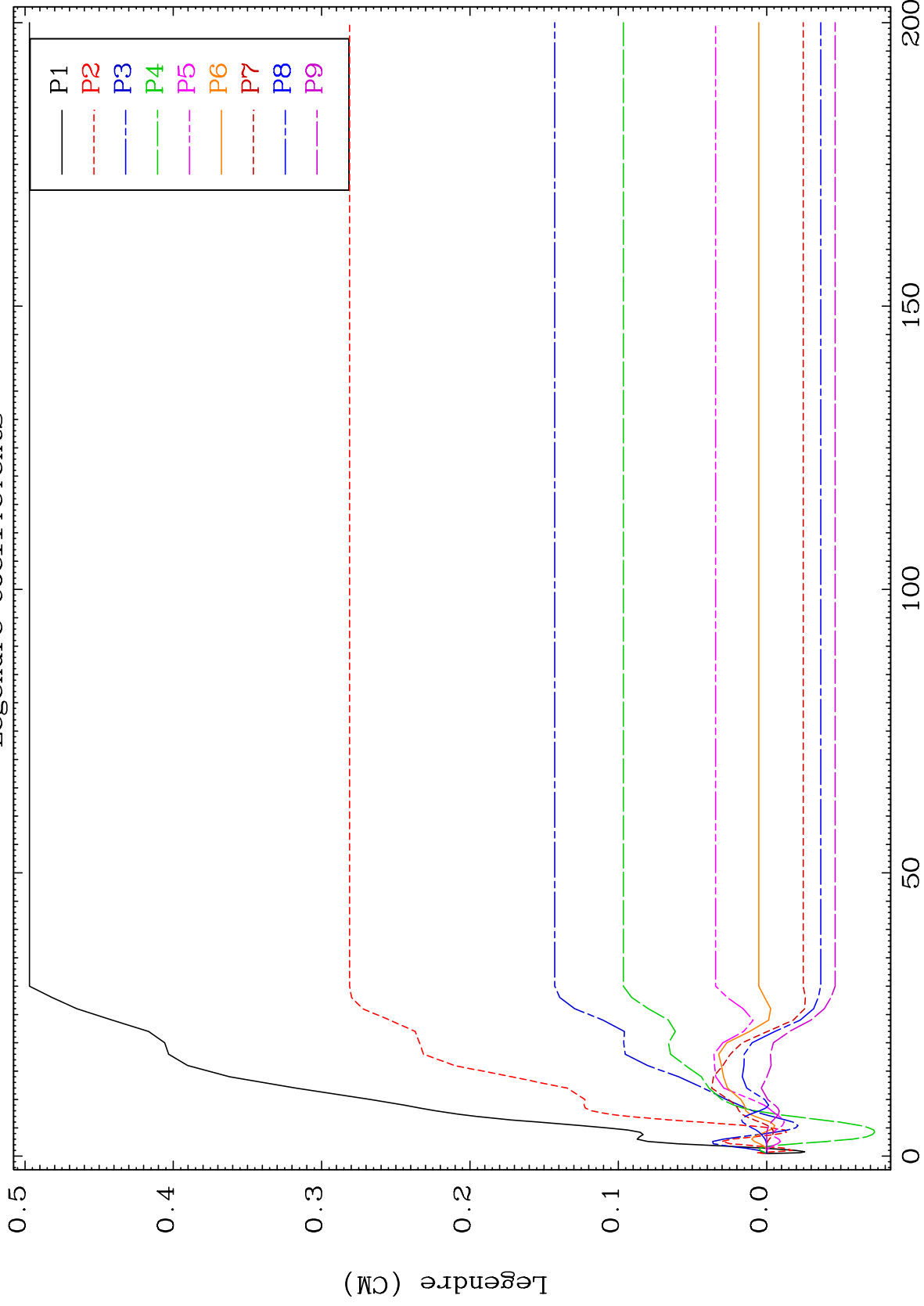




MAT 5334

437.6 keV (n,n') Level
Legendre Coefficients

53-I -130



118

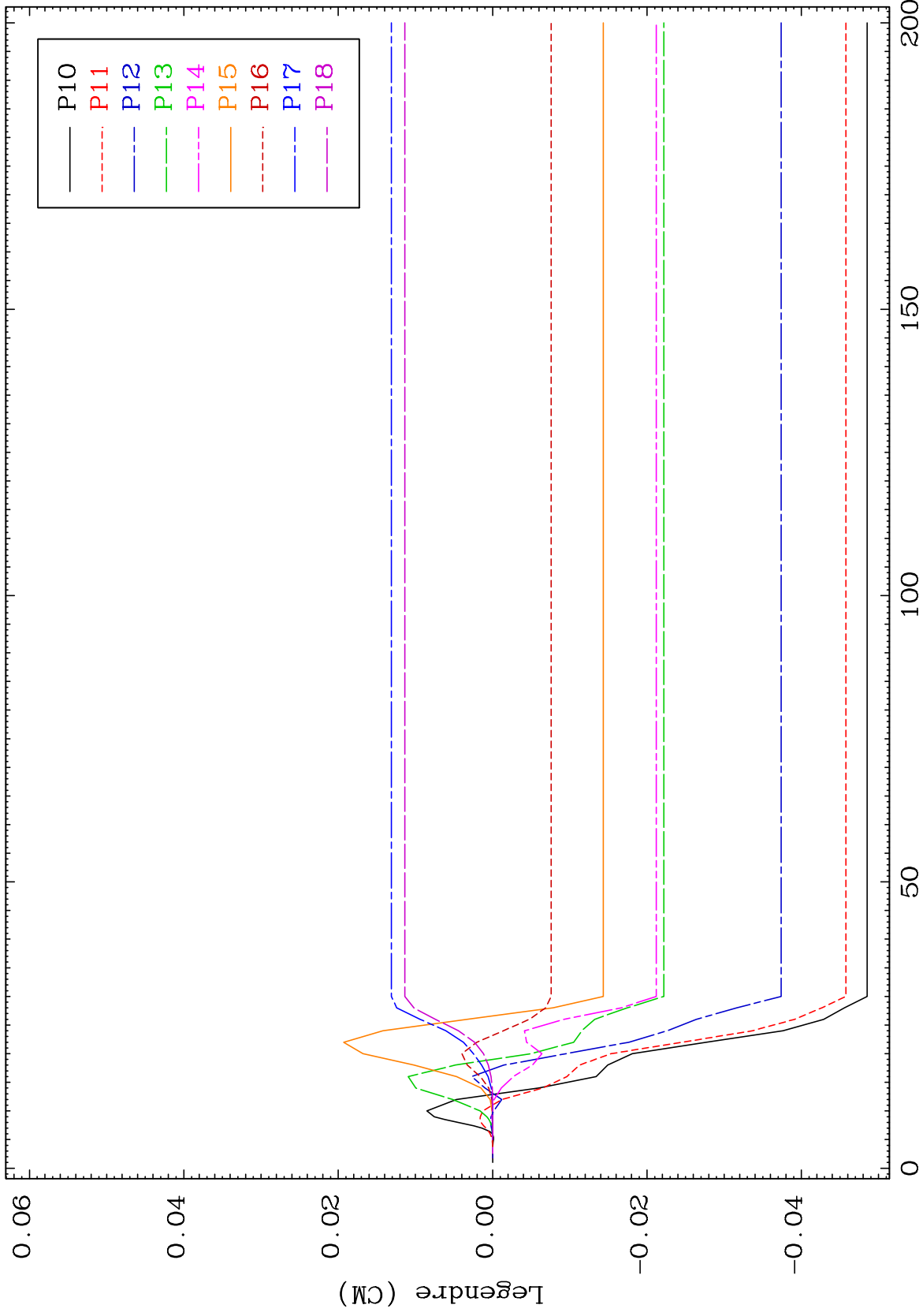
Incident Energy (MeV)

53-I -130

MAT 5334

437.6 keV (n,n') Level
Legendre Coefficients

53-I -130



119

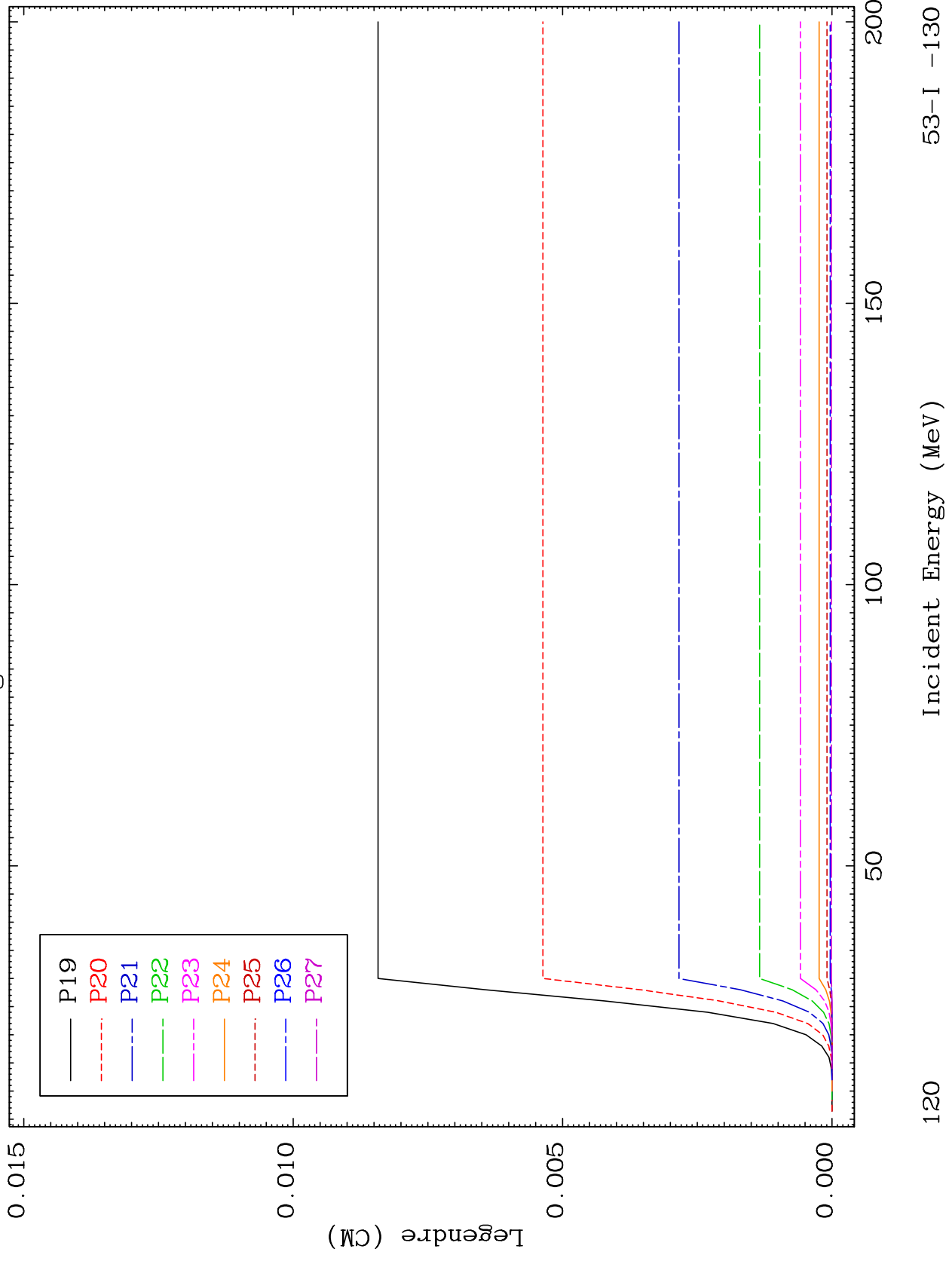
Incident Energy (MeV)

53-I -130

MAT 5334

437.6 keV (n,n') Level
Legendre Coefficients

53-I -130



53-I -130

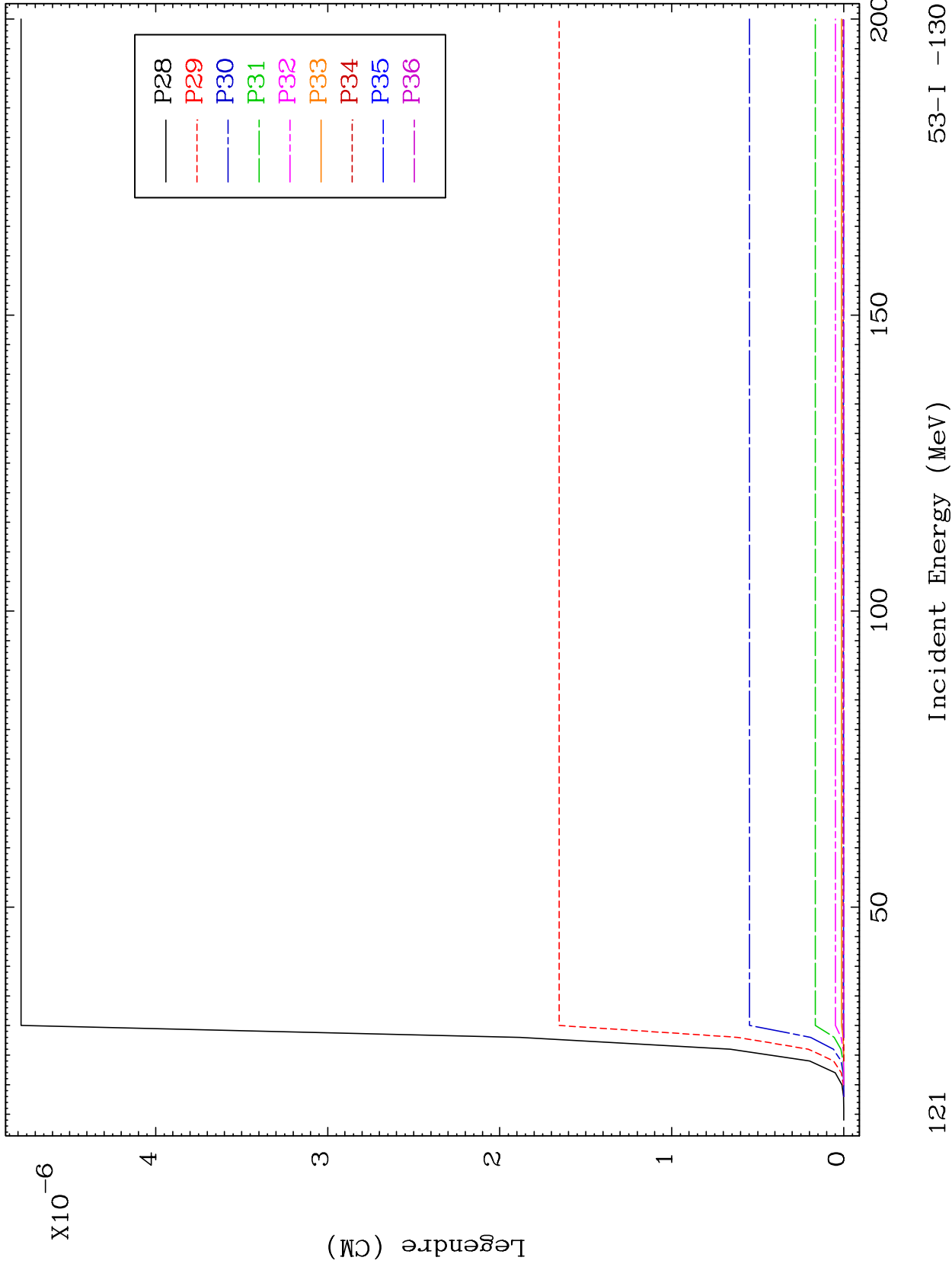
Incident Energy (MeV)

120

MAT 5334

437.6 keV (n,n') Level
Legendre Coefficients

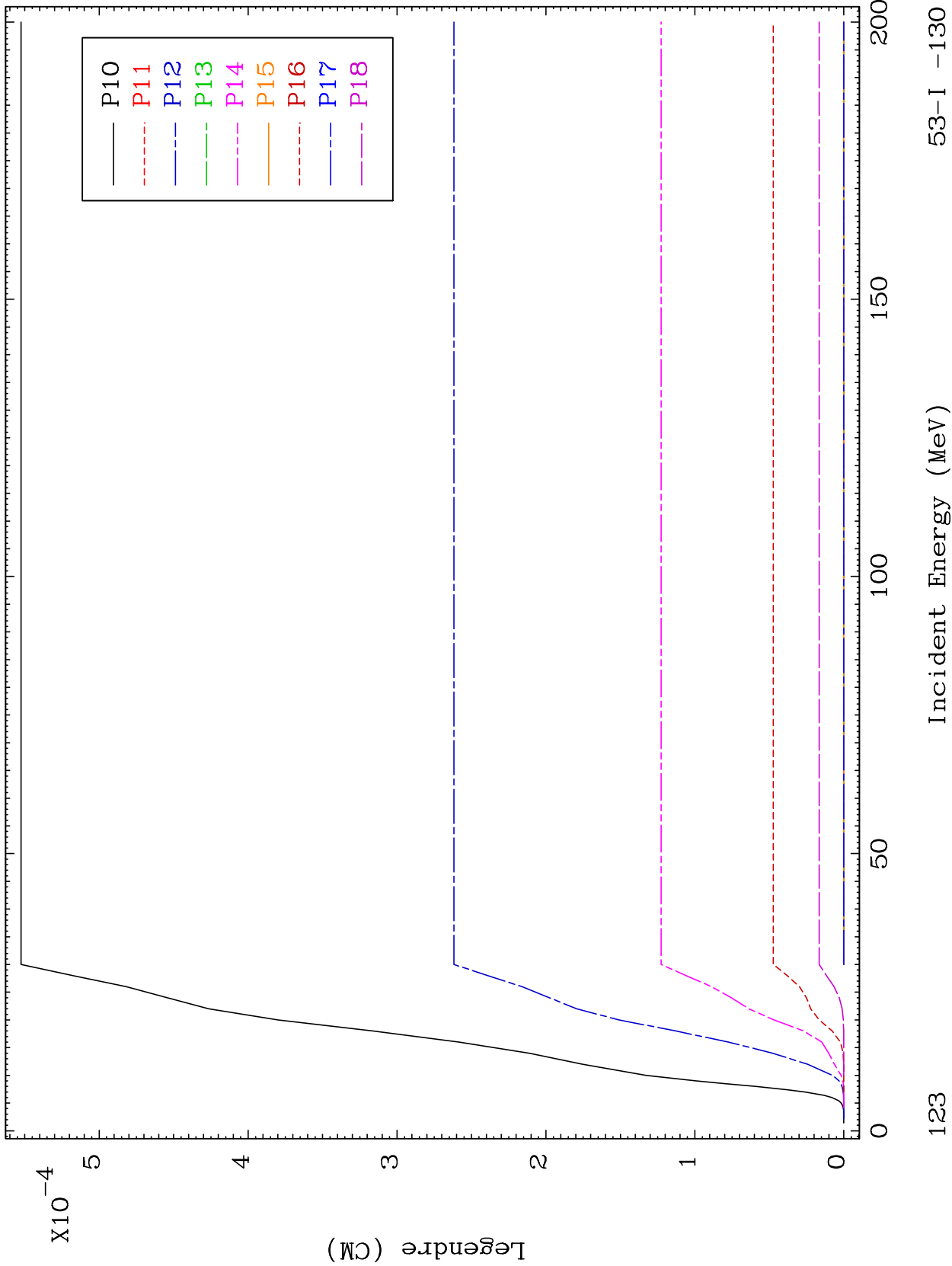
53-I -130

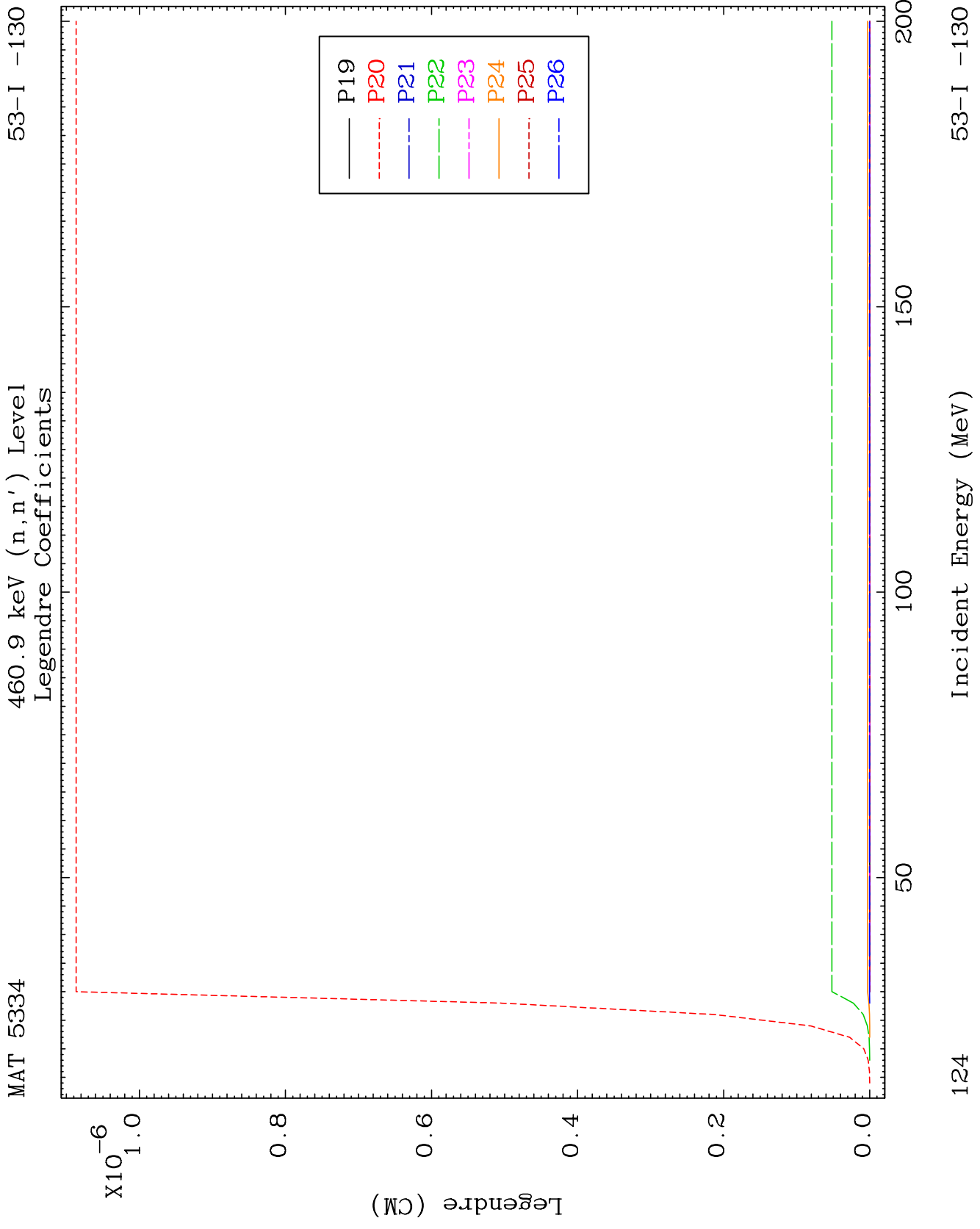


121

Incident Energy (MeV)

53-I -130

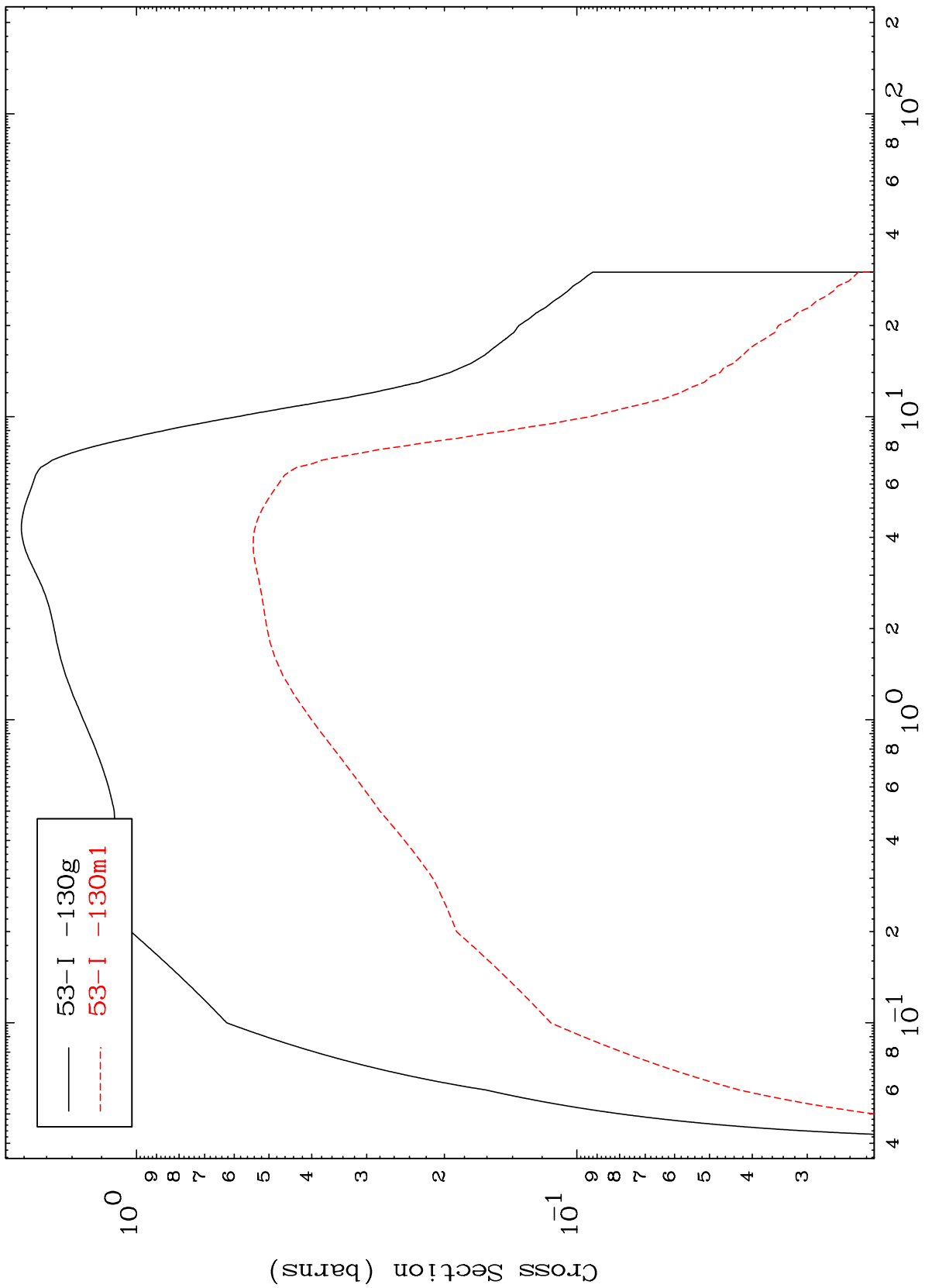




MAT 5334

53-I -130

Radionuclide Production Cross Section



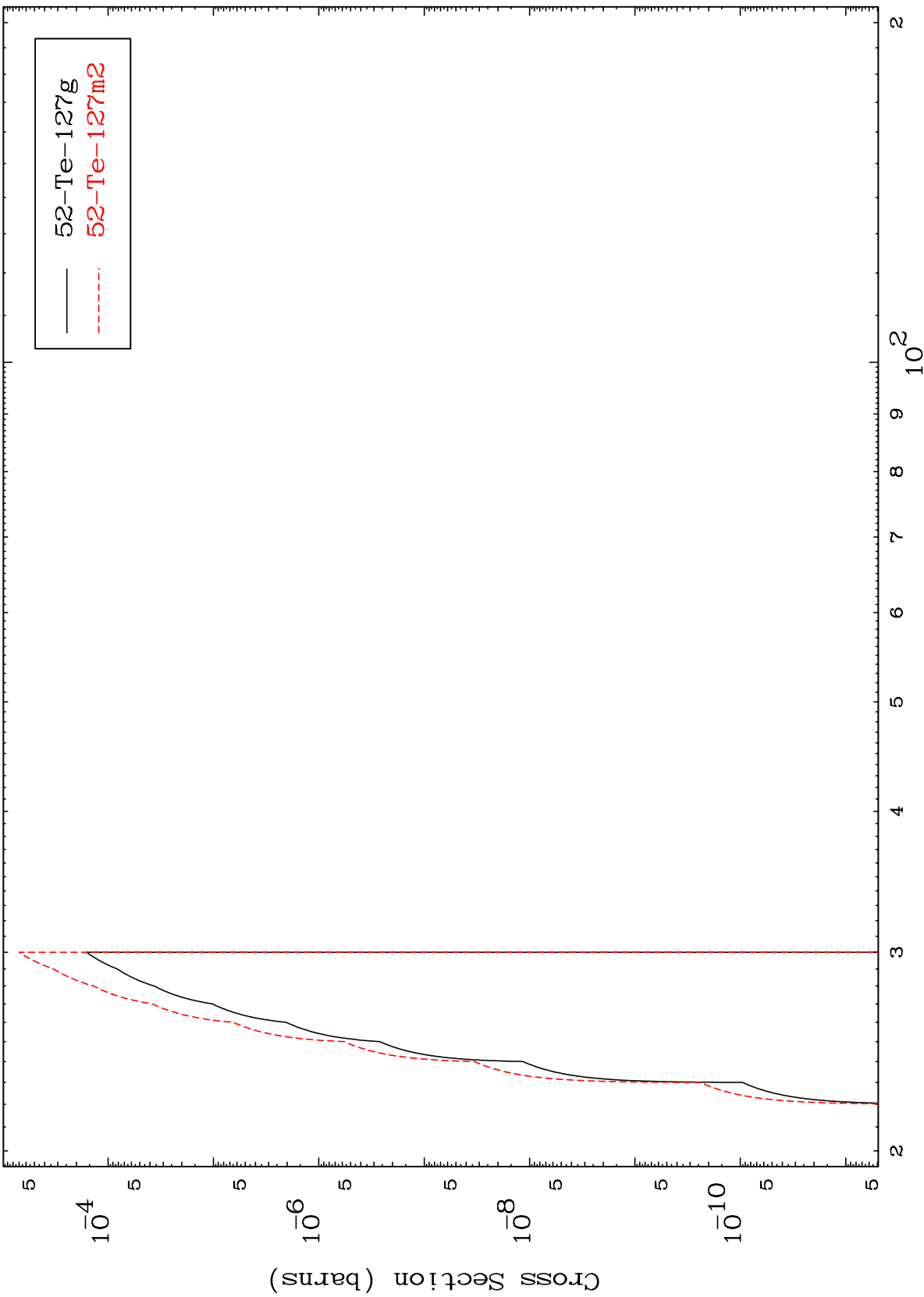
53-I -130g
53-I -130m1

125

53-I -130

Incident Energy (MeV)

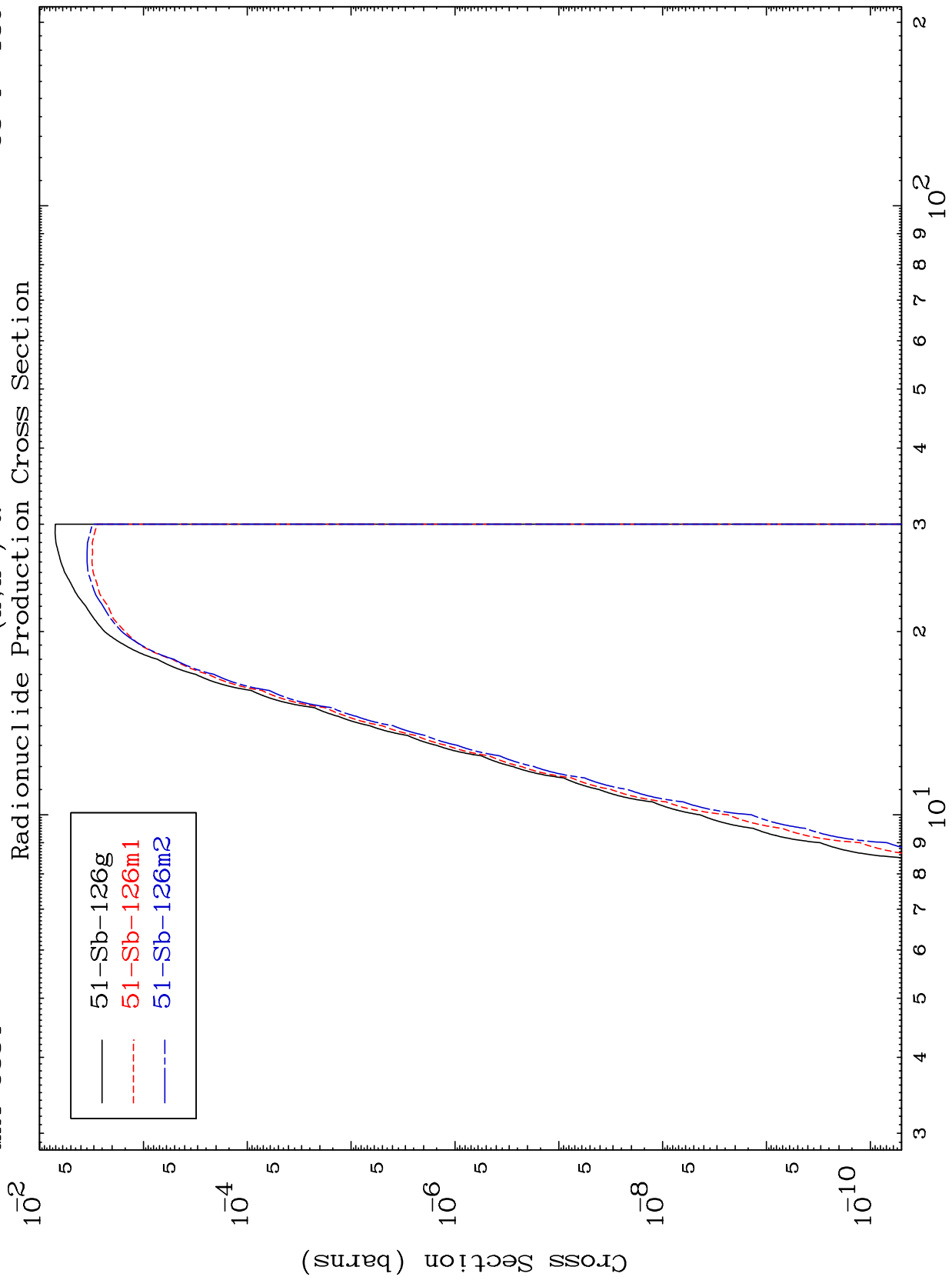
Radionuclide Production Cross Section



MAT 5334

(n,n') α

53-I -130

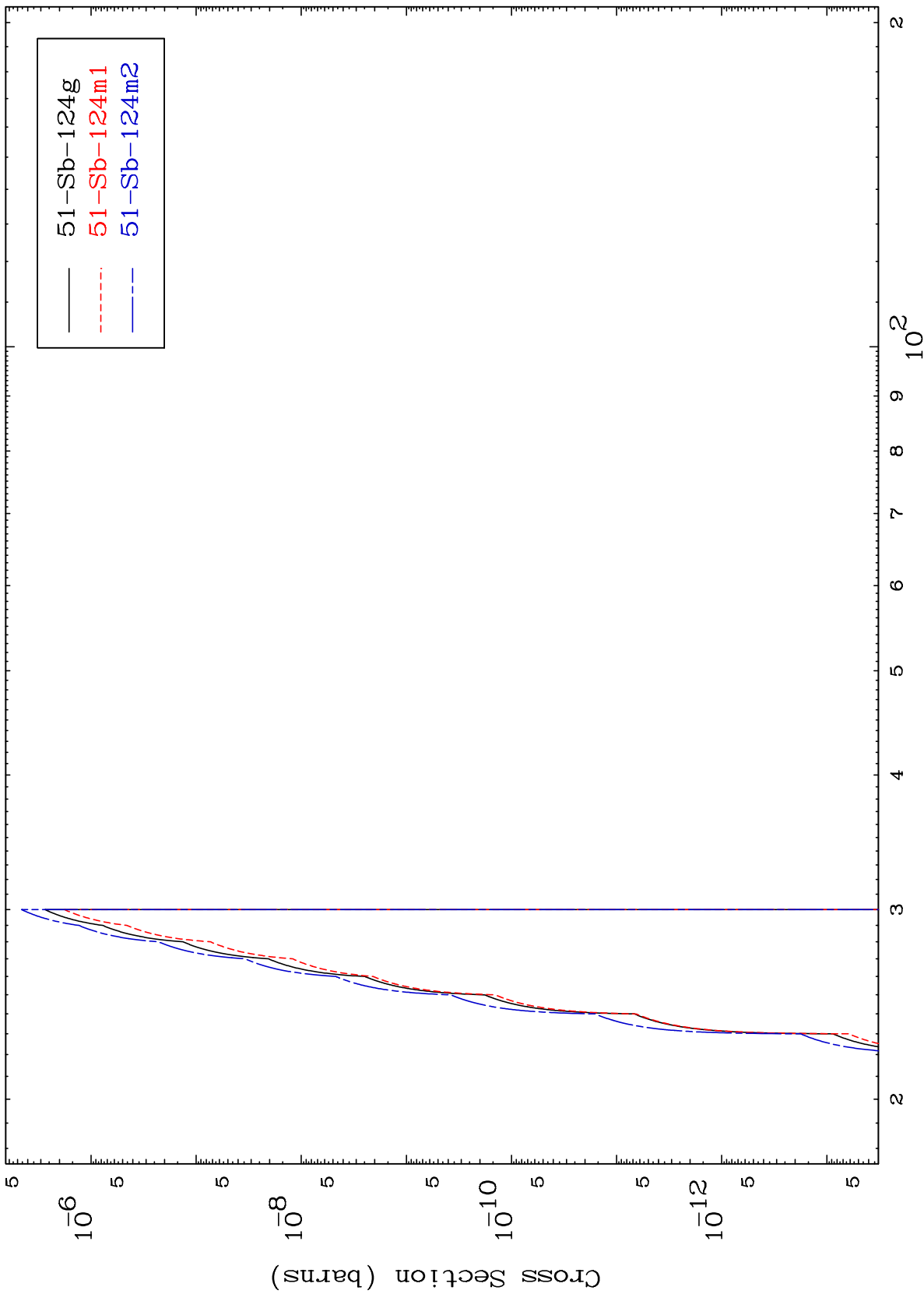


127

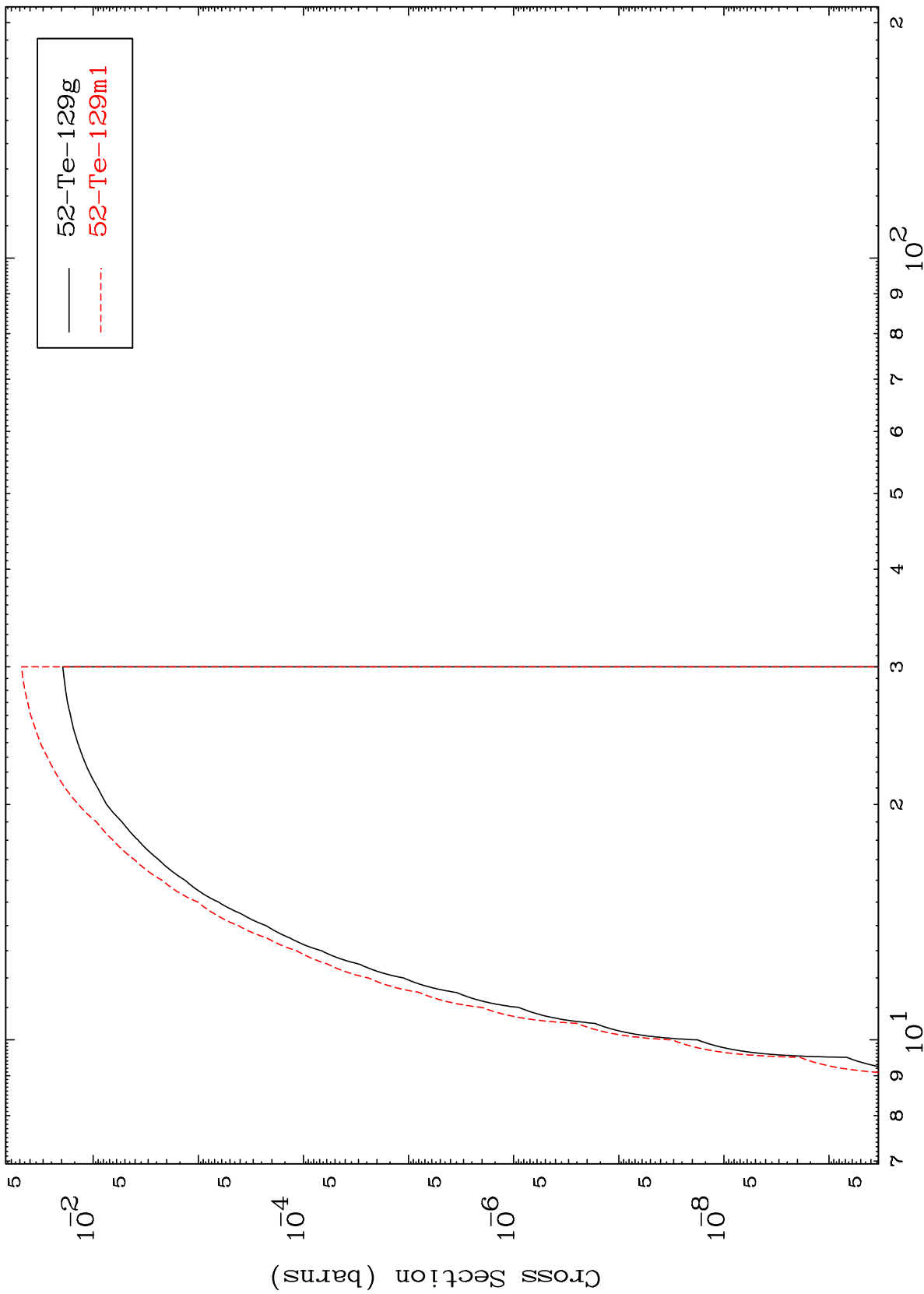
Incident Energy (MeV)

53-I -130

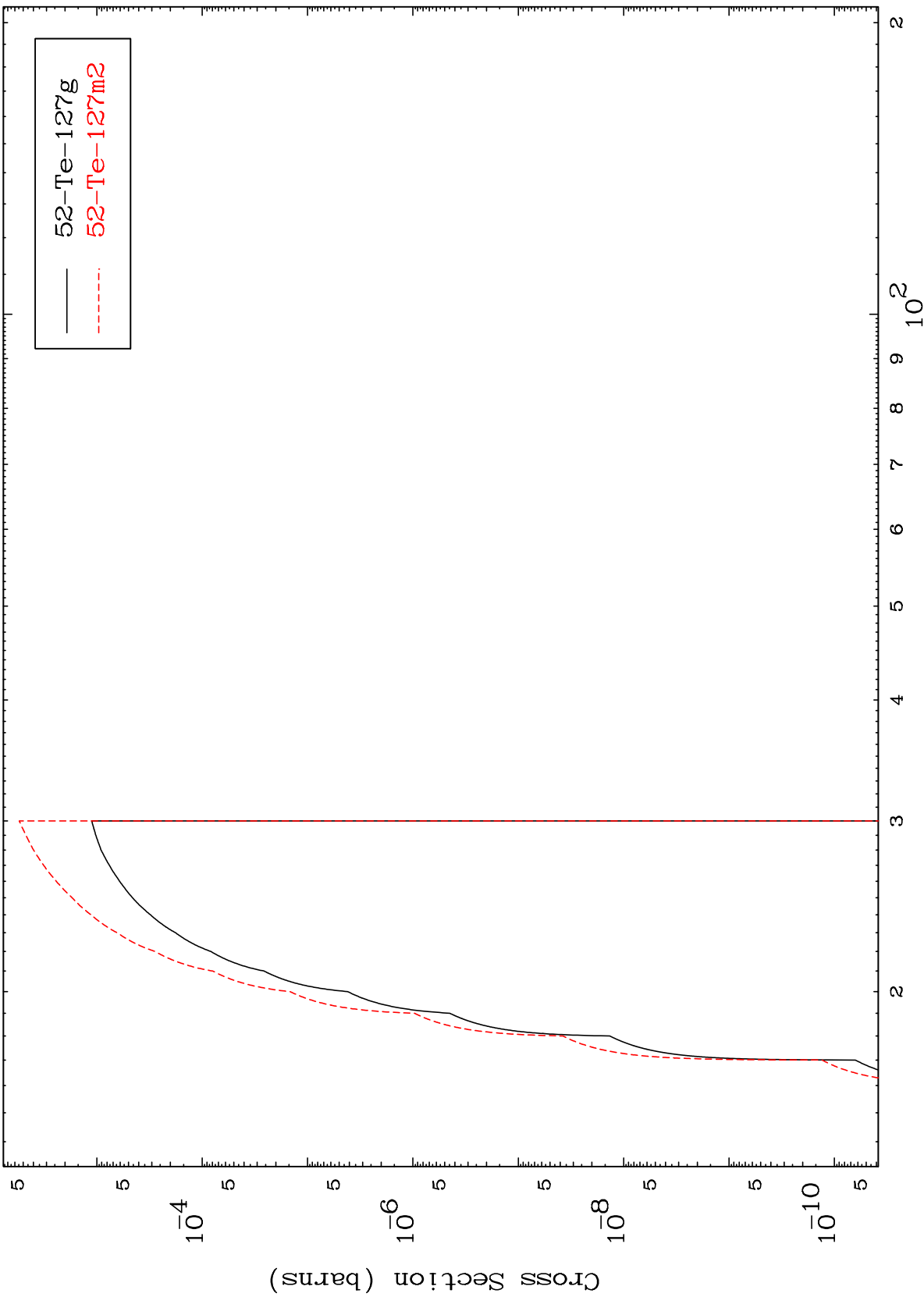
Radionuclide Production Cross Section



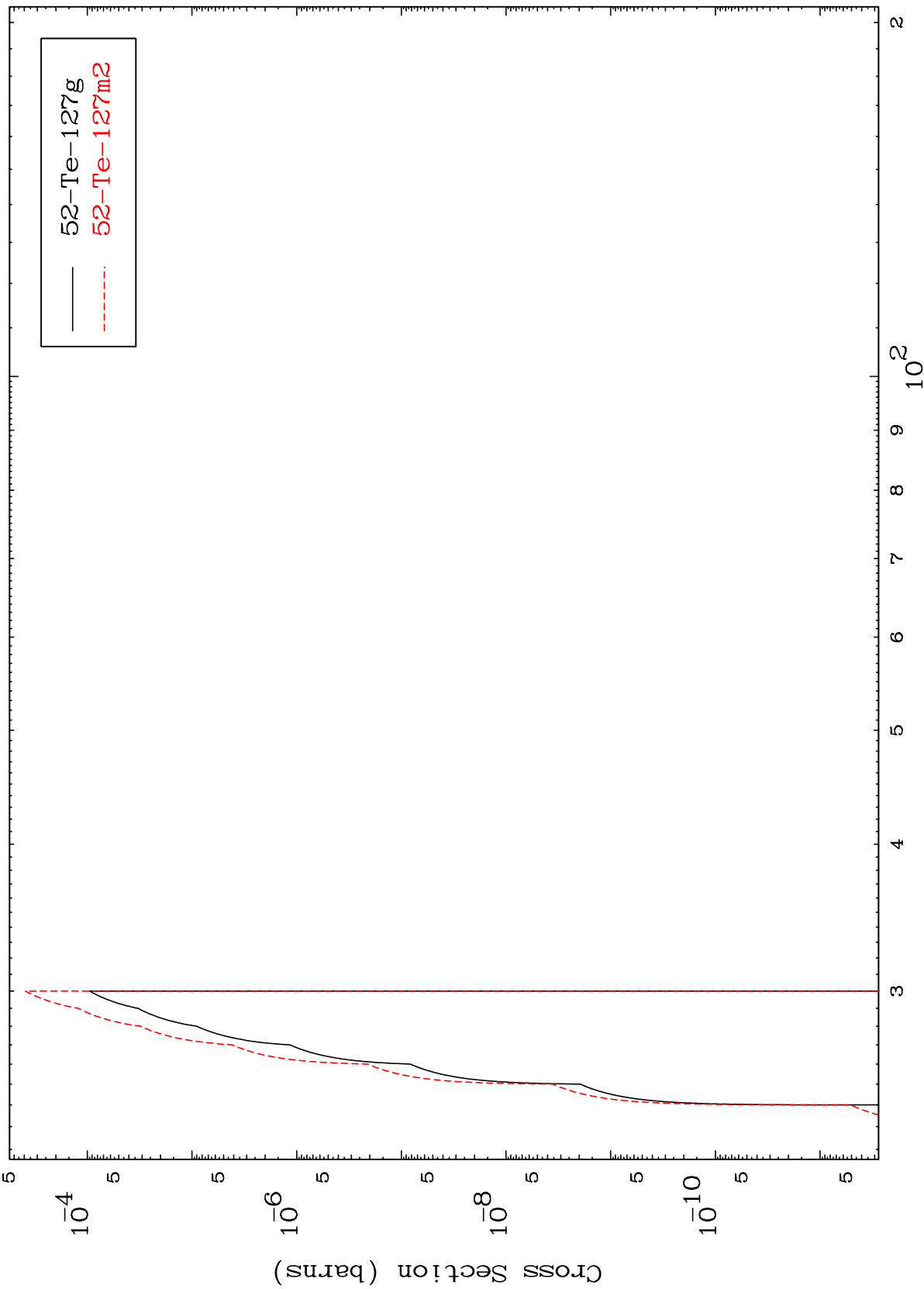
Radionuclide Production Cross Section



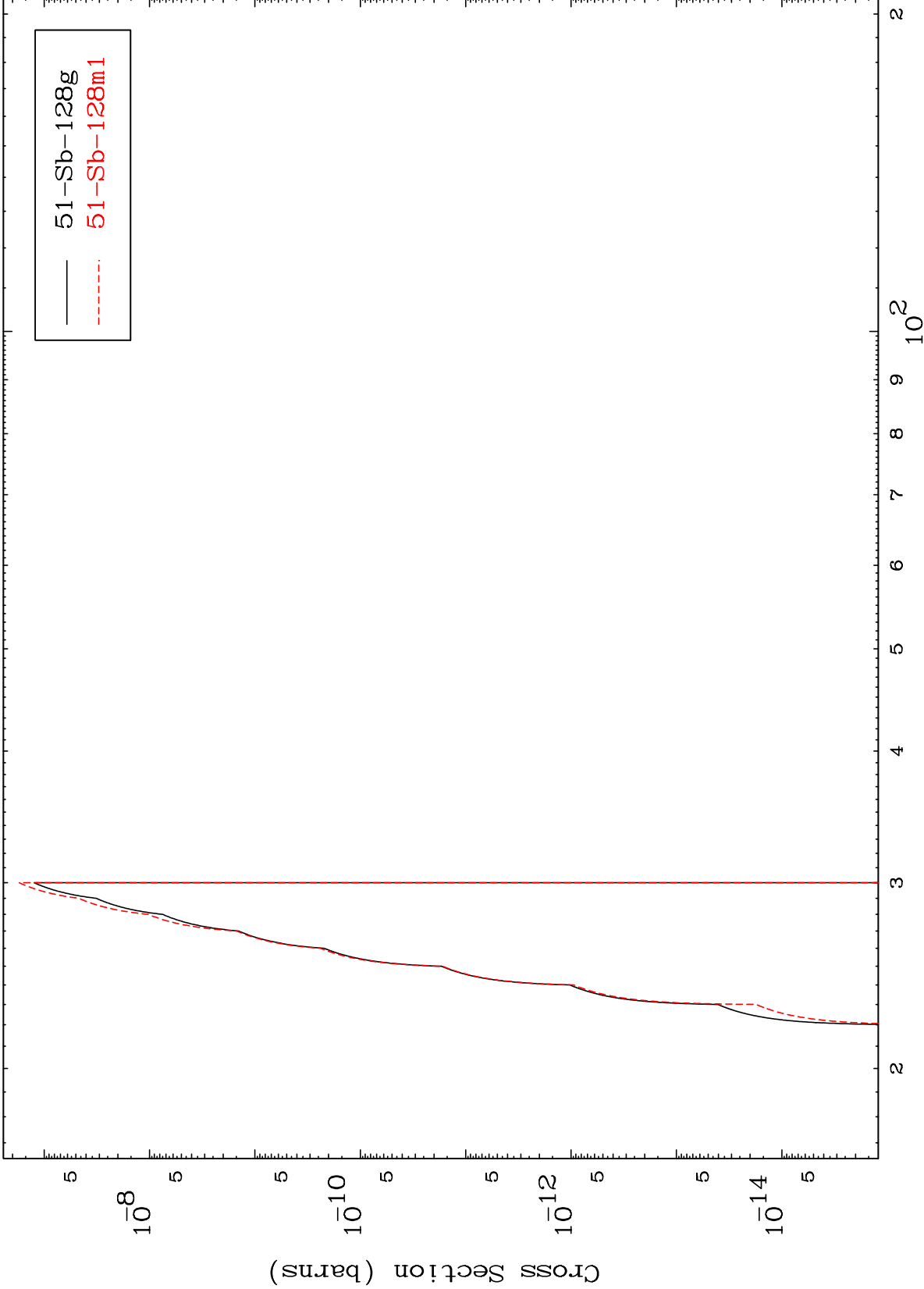
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

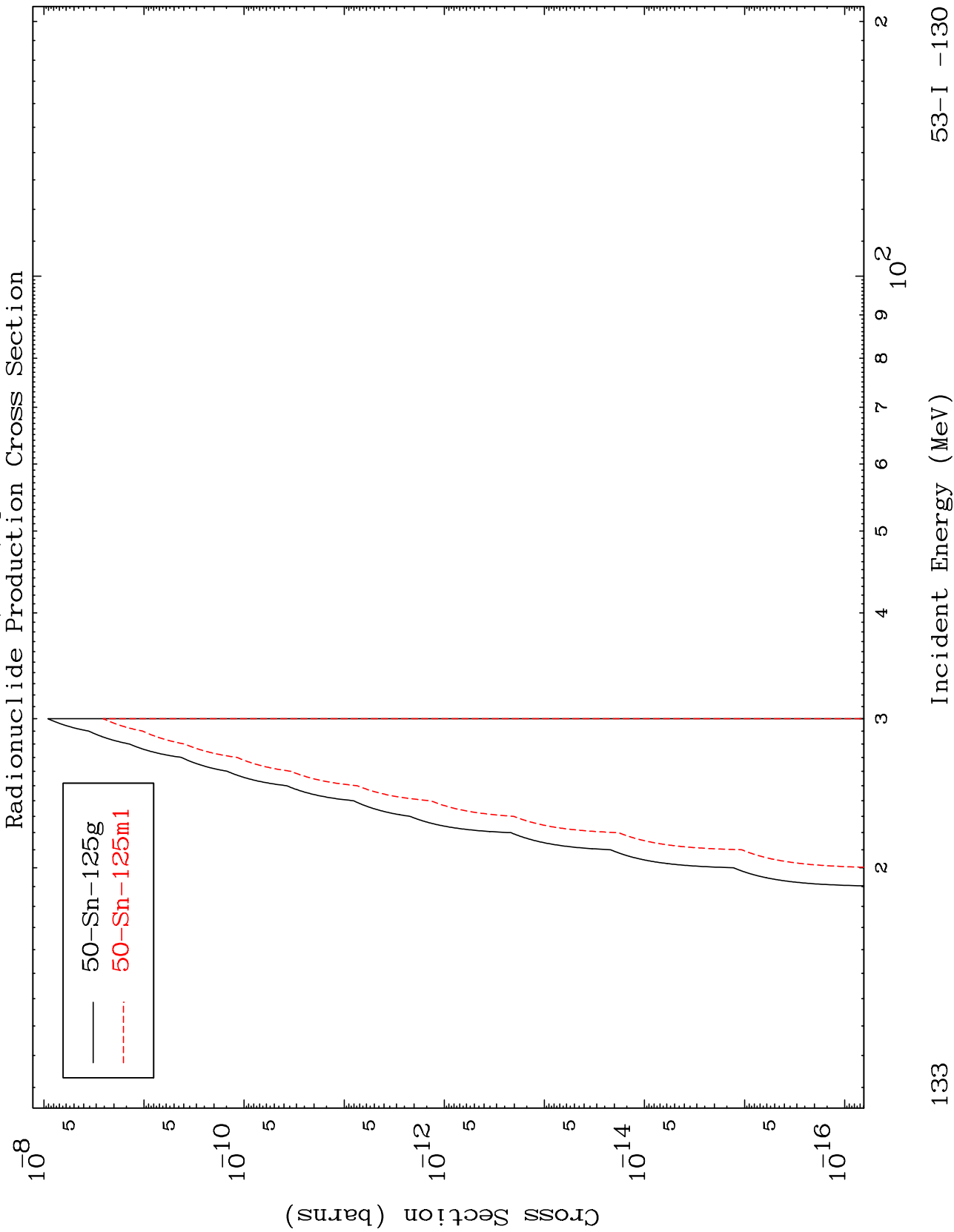


51-Sb-128g
51-Sb-128m1

MAT 5334

(n,n') p α

53-I -130



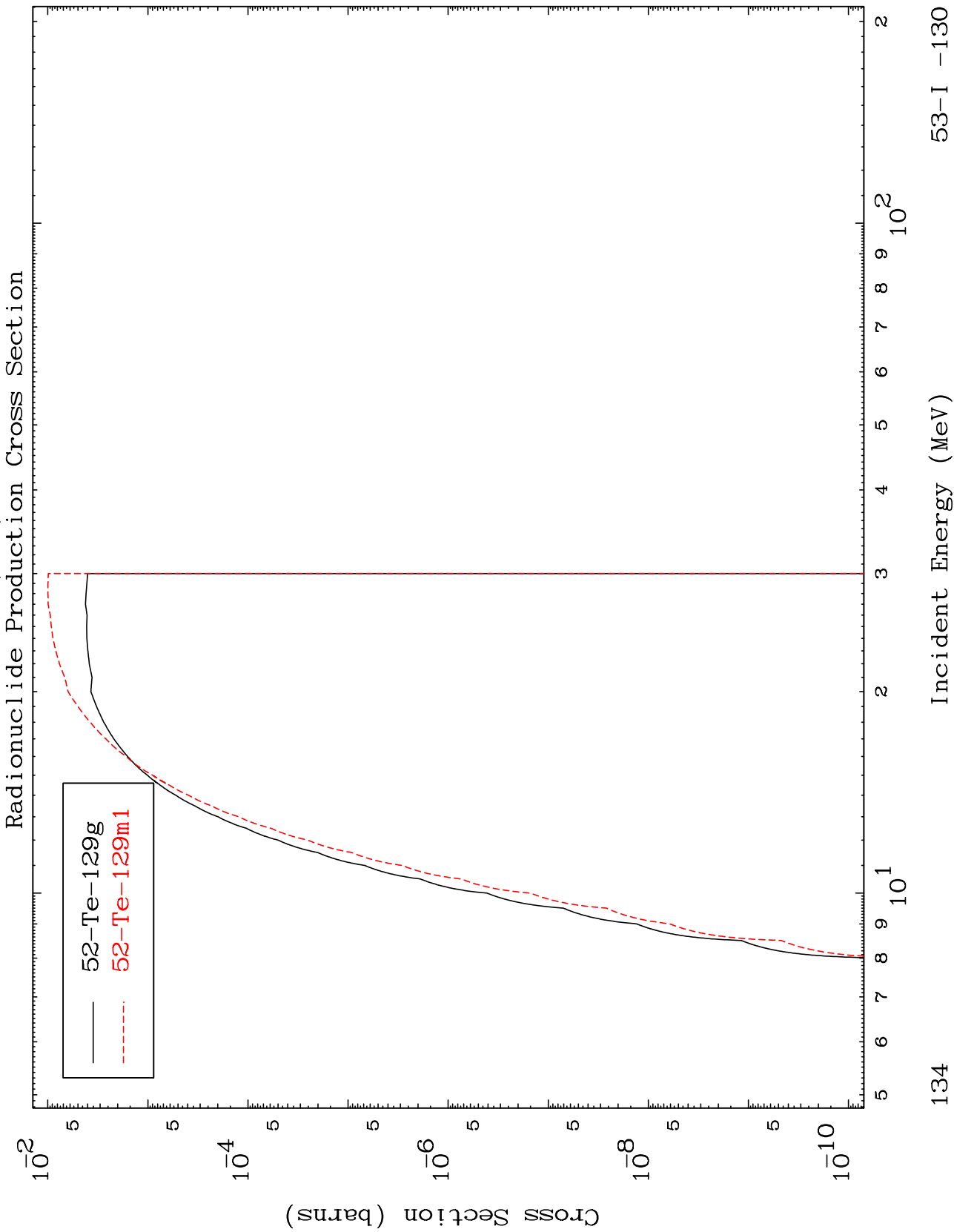
133

Incident Energy (MeV)

53-I -130

MAT 5334

53-I -130



53-I -130

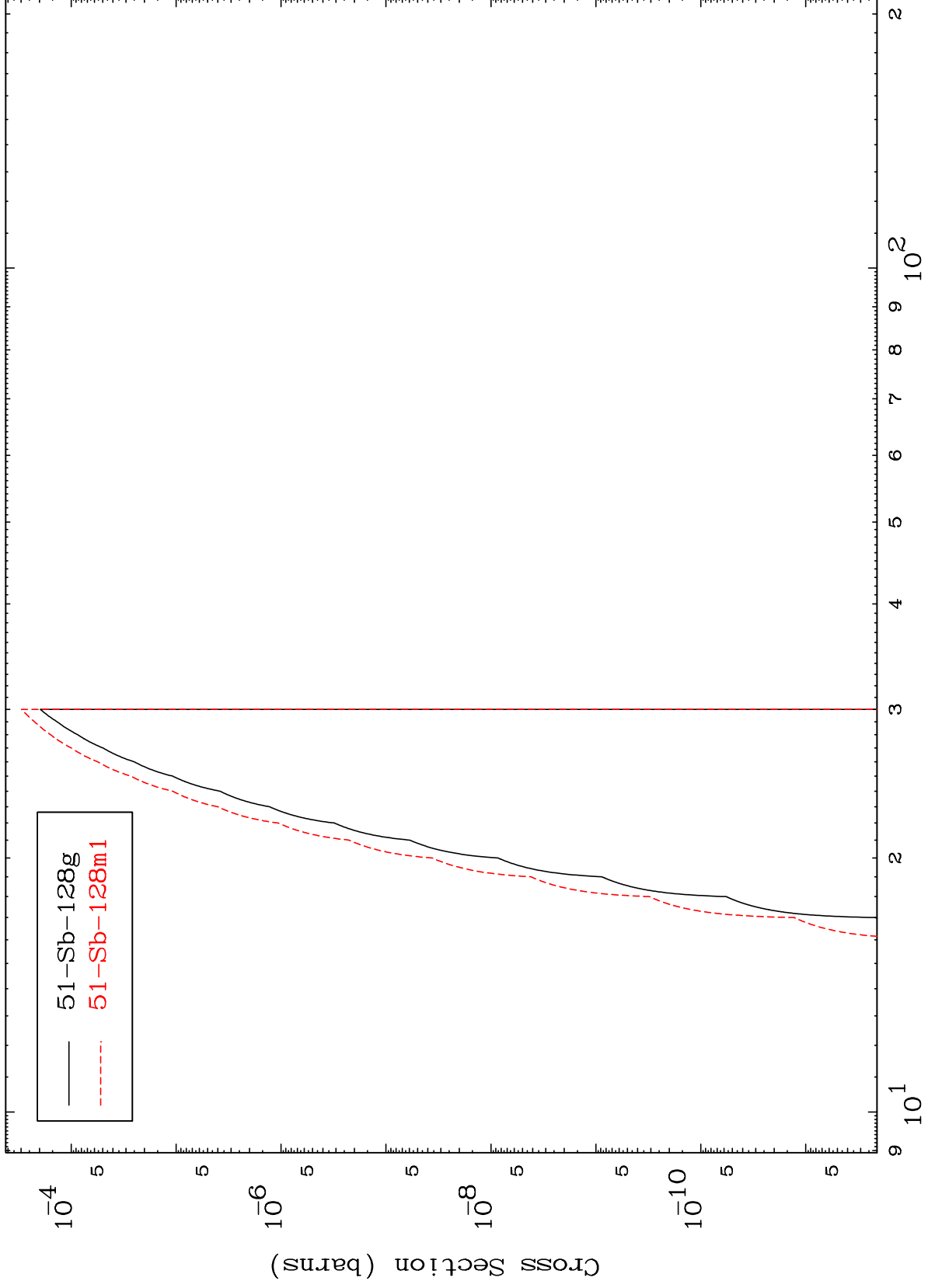
134

MAT 5334

(n,He-3)

53-I -130

Radionuclide Production Cross Section



135

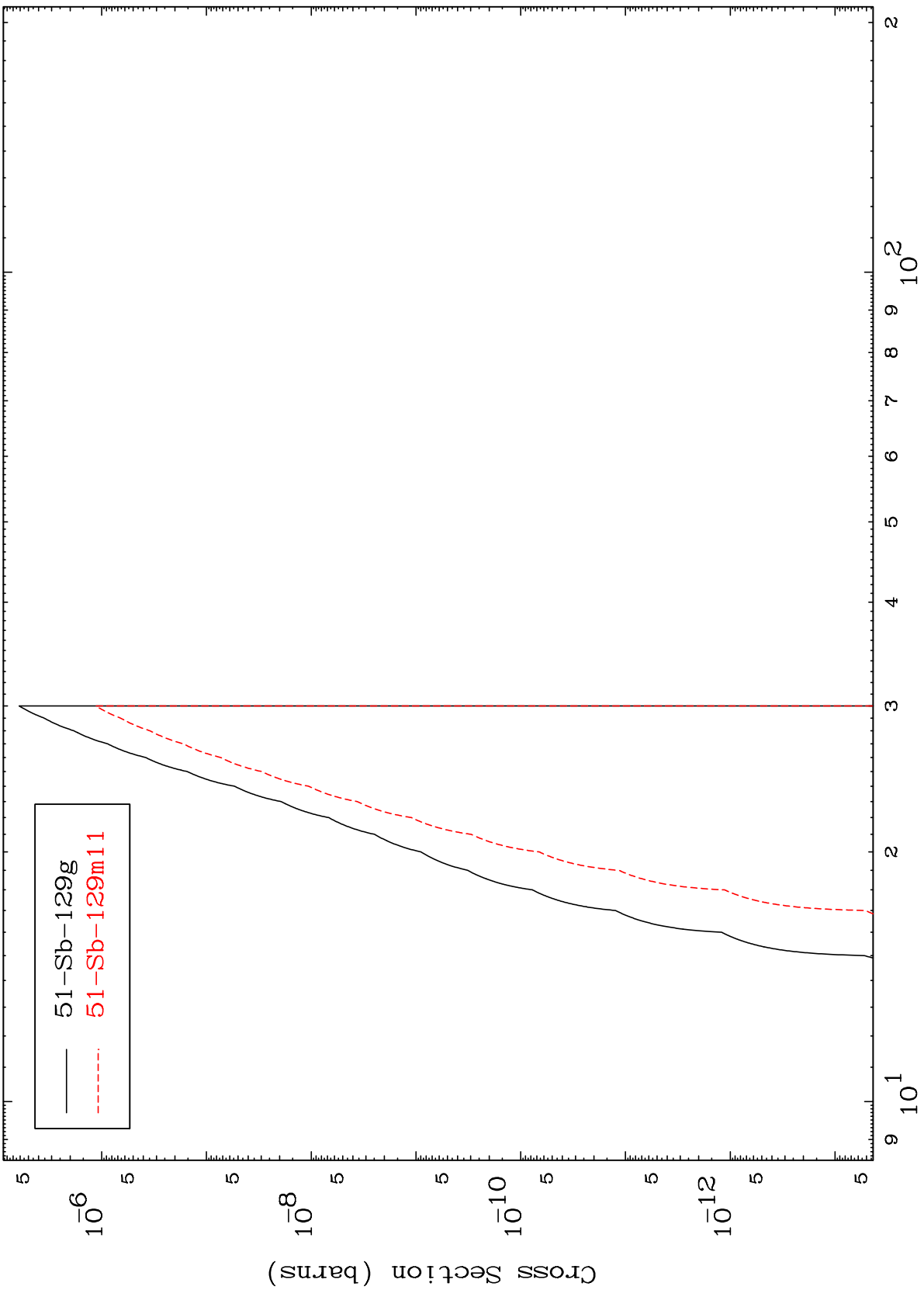
Incident Energy (MeV)

53-I -130

MAT 5334

53-I -130

(n,2p)
Radionuclide Production Cross Section

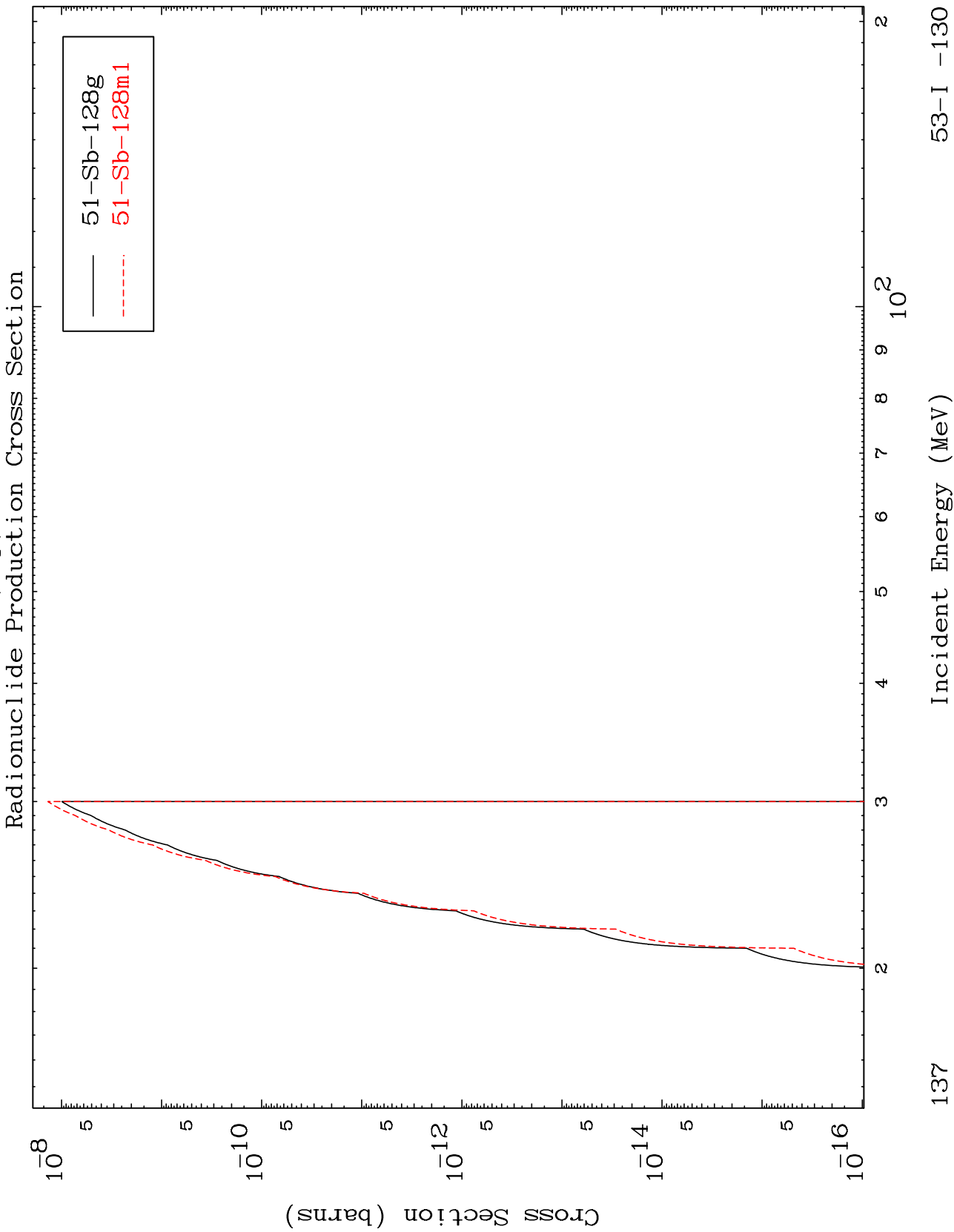


— 51-Sb-129g
- - - 51-Sb-129m11

136

Incident Energy (MeV)

53-I -130



Radionuclide Production Cross Section

