

Program EVALPLOT
(Version 2015-2)

by

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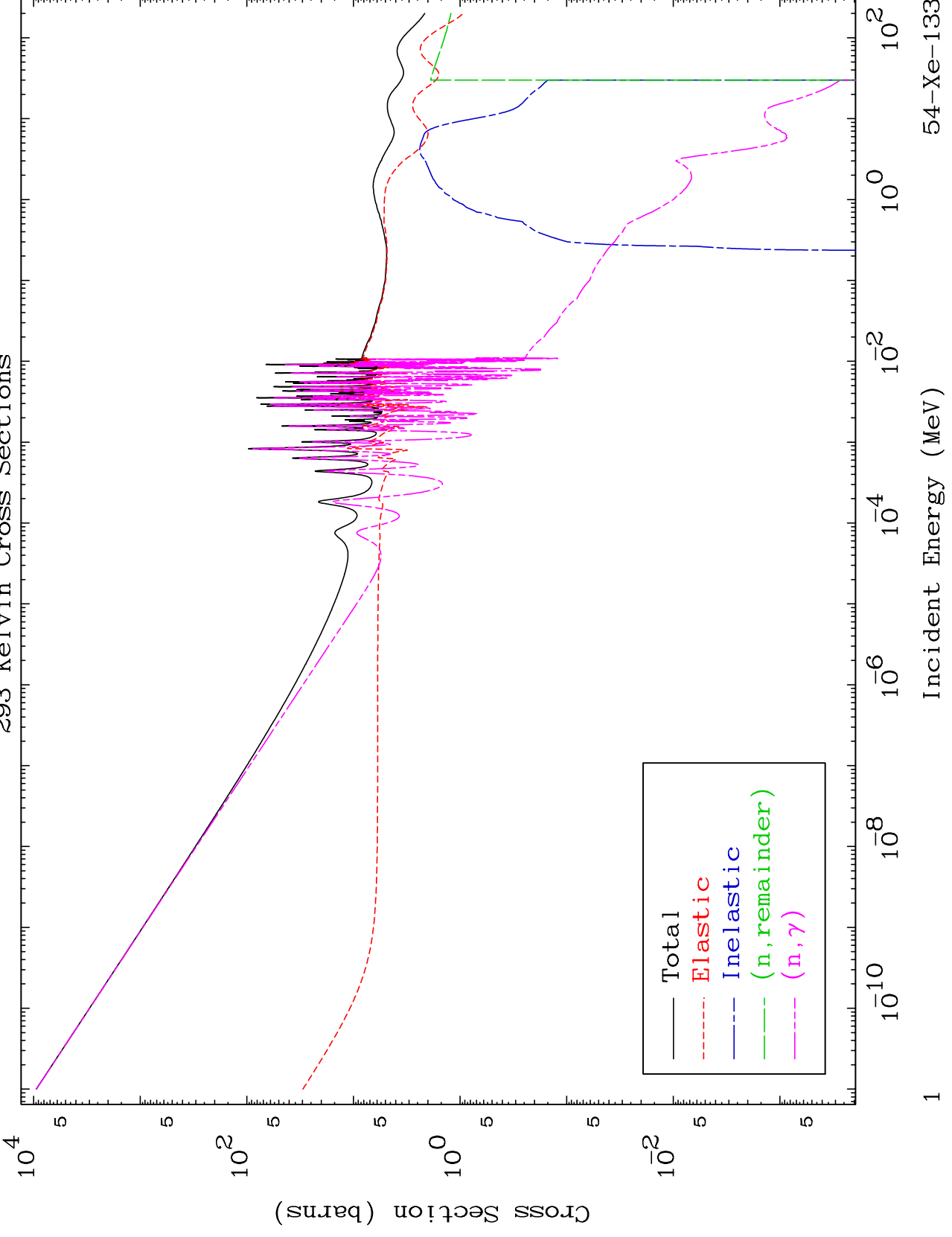
Press Mouse Button to Start

MAT 5452

Major

293 Kelvin Cross Sections

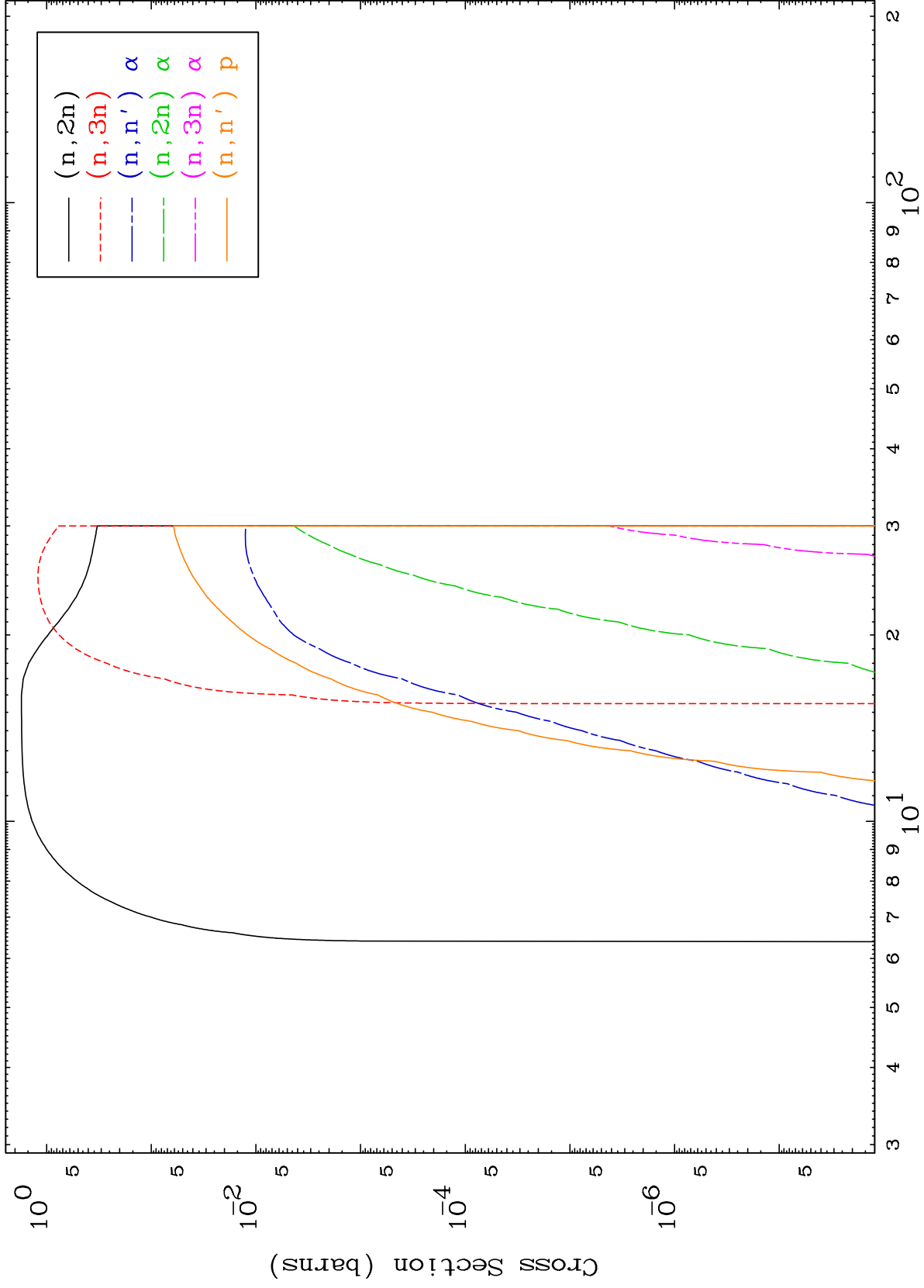
54-Xe-133



MAT 5452

Neutron Production
293 Kelvin Cross Sections

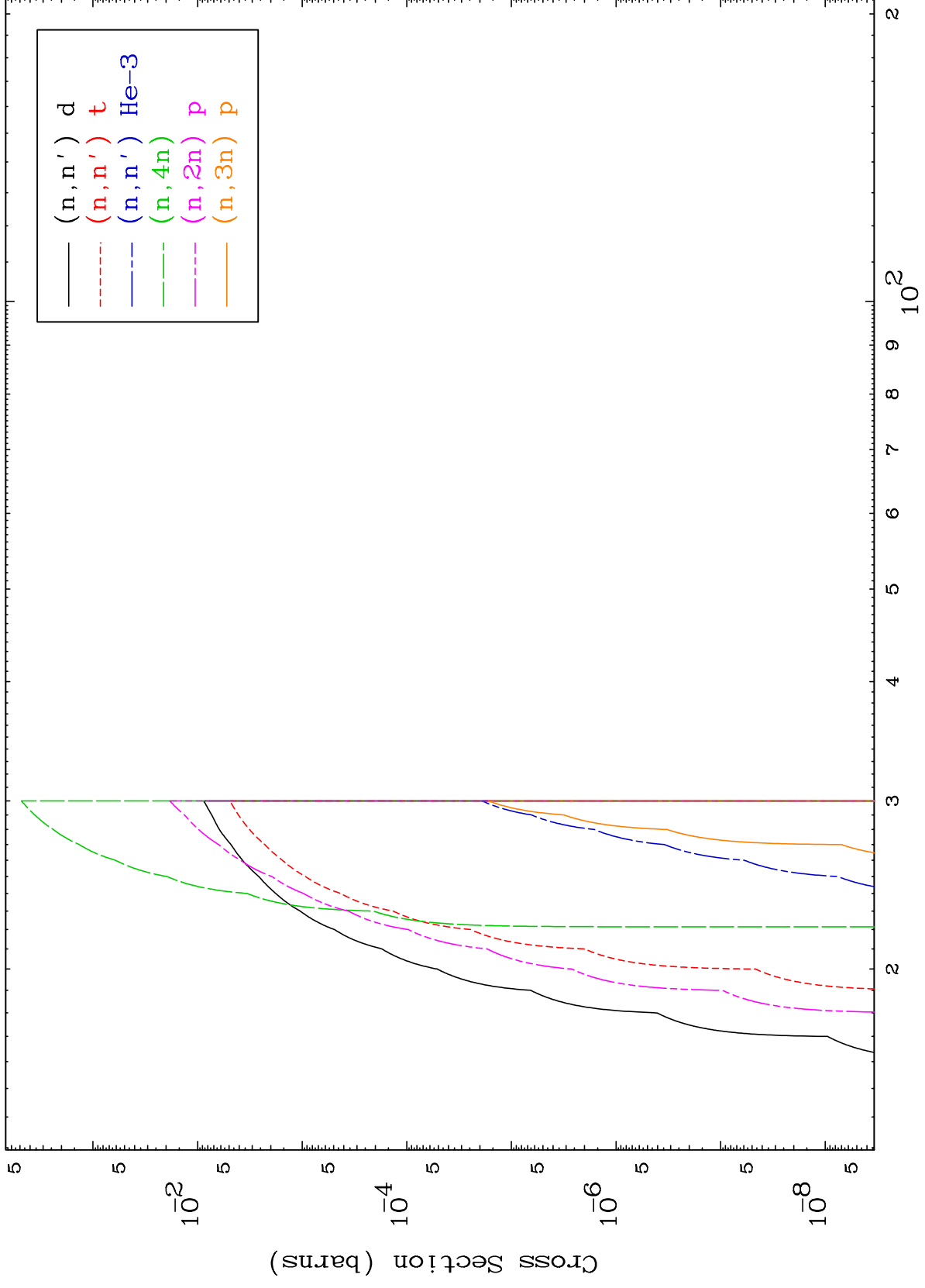
54-Xe-133



2

Incident Energy (MeV)

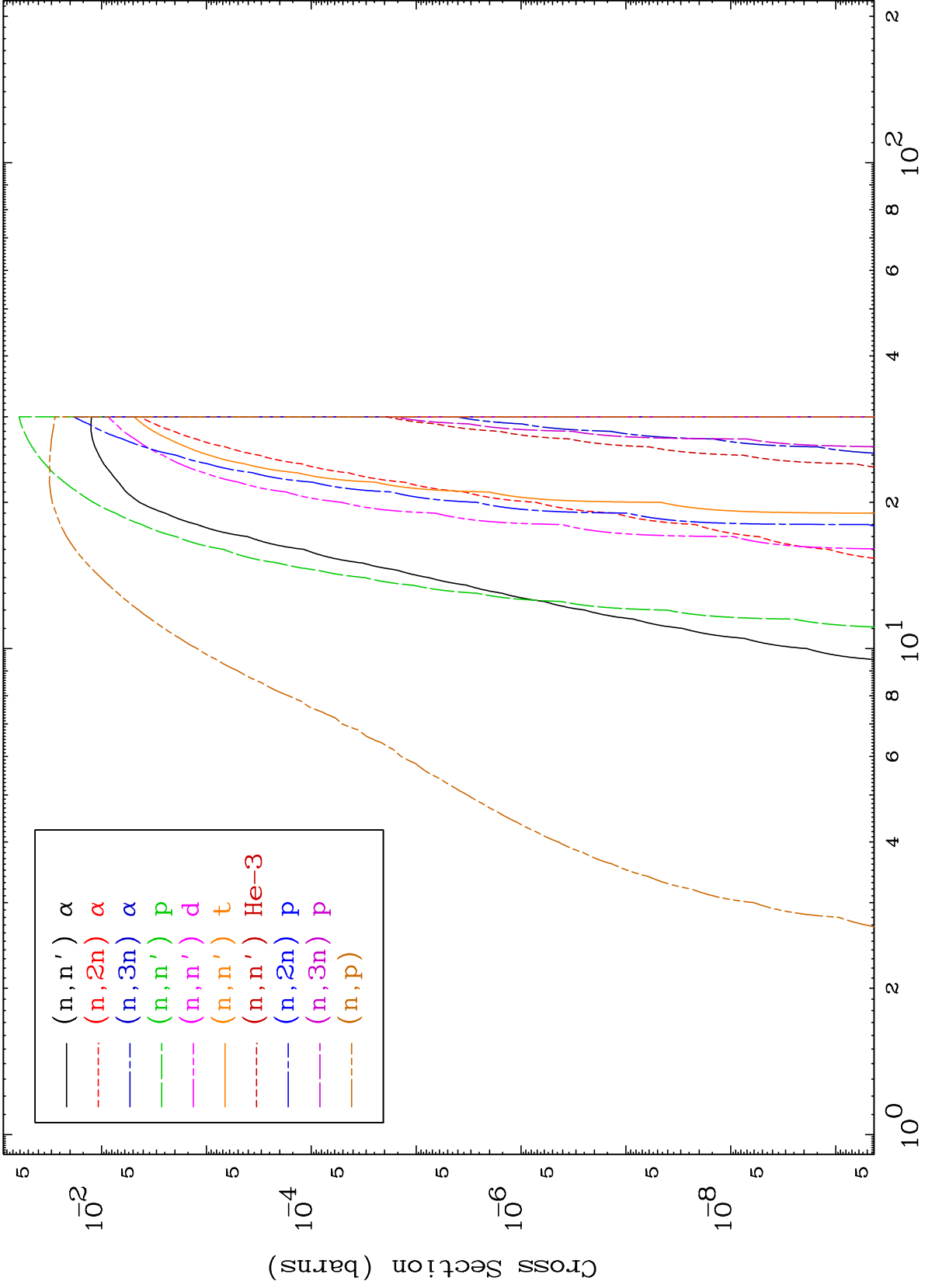
54-Xe-133



MAT 5452

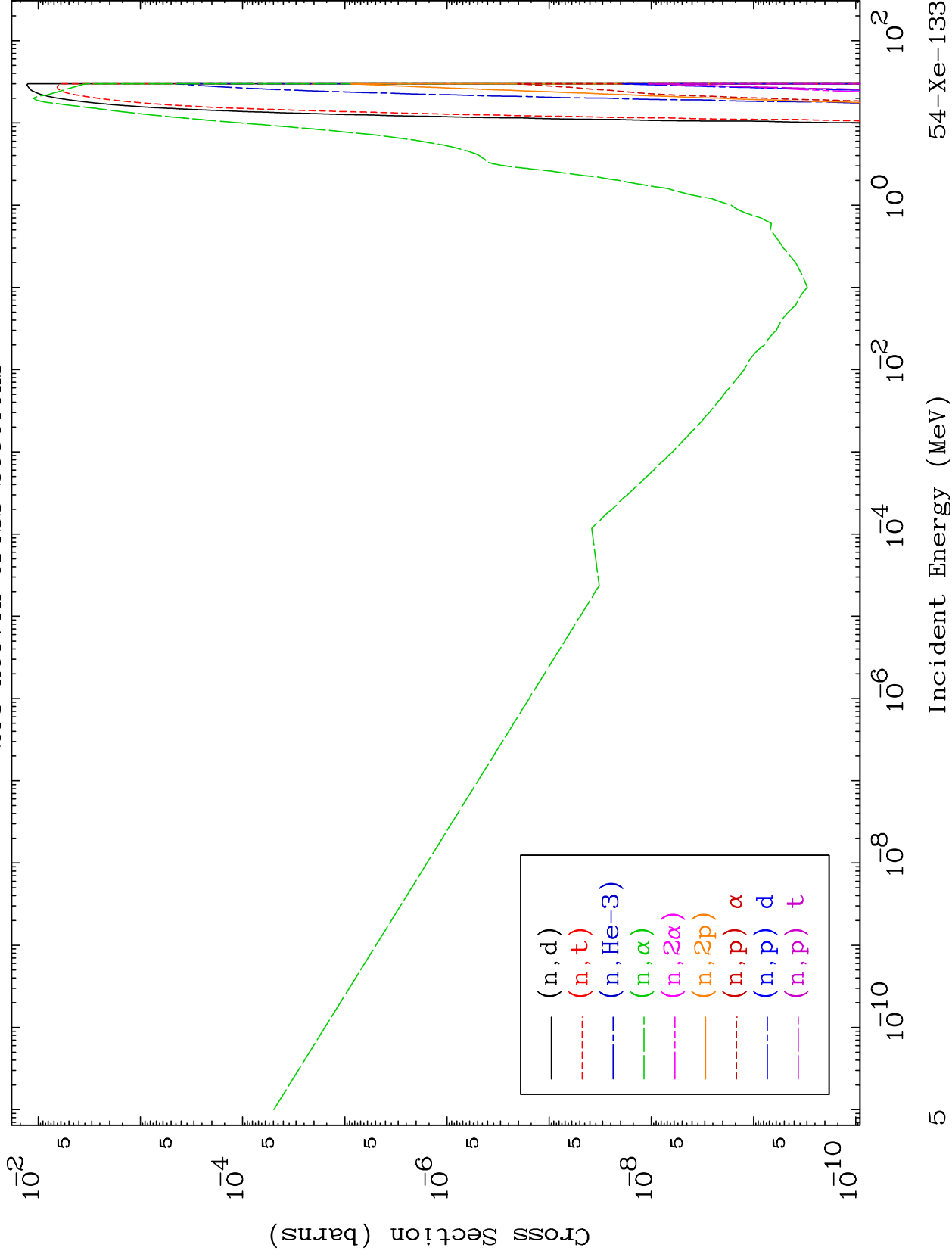
Charged Particle
293 Kelvin Cross Sections

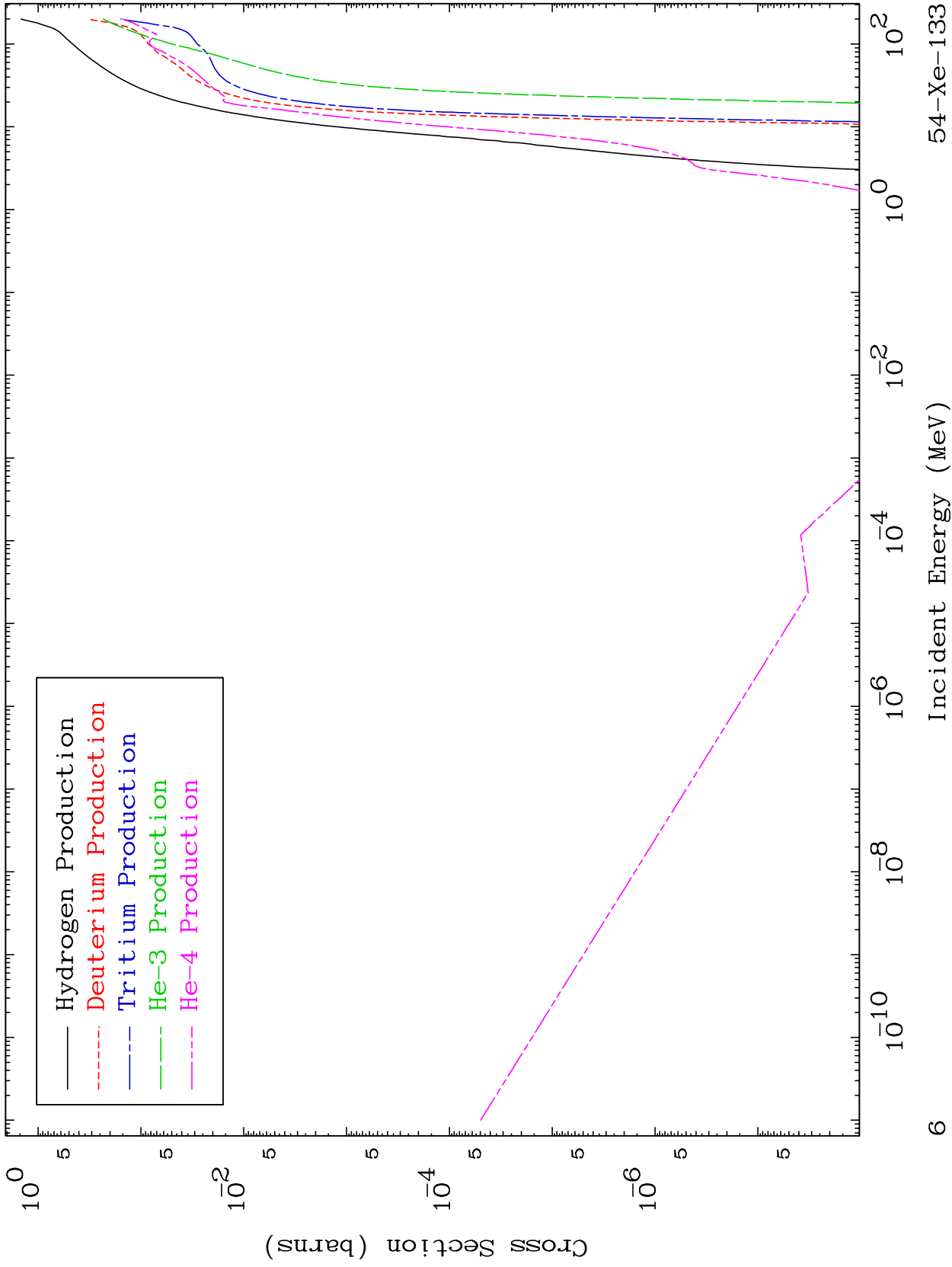
54-Xe-133



Incident Energy (MeV)

54-Xe-133

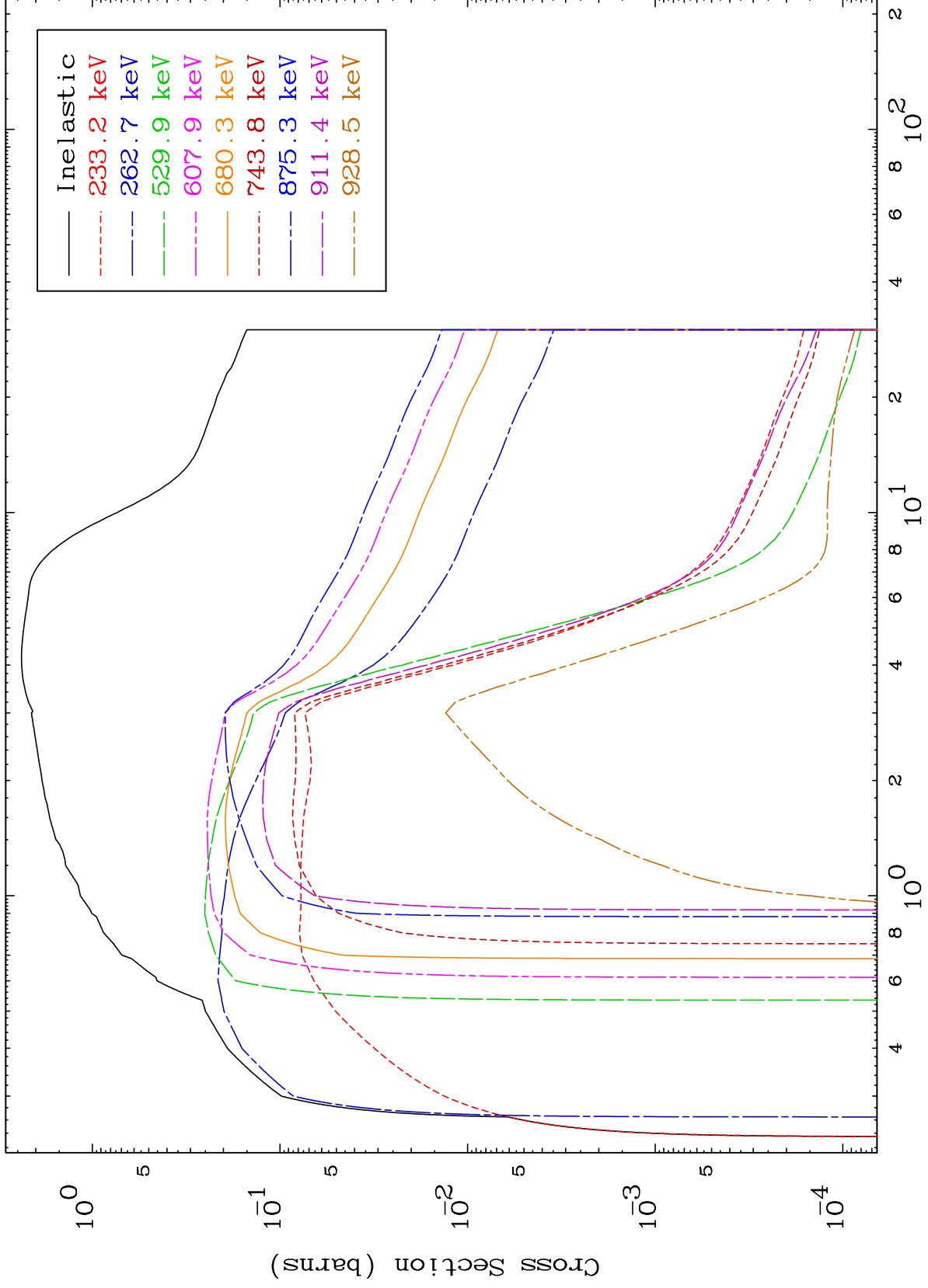




MAT 5452

(n,n') Level
293 Kelvin Cross Sections

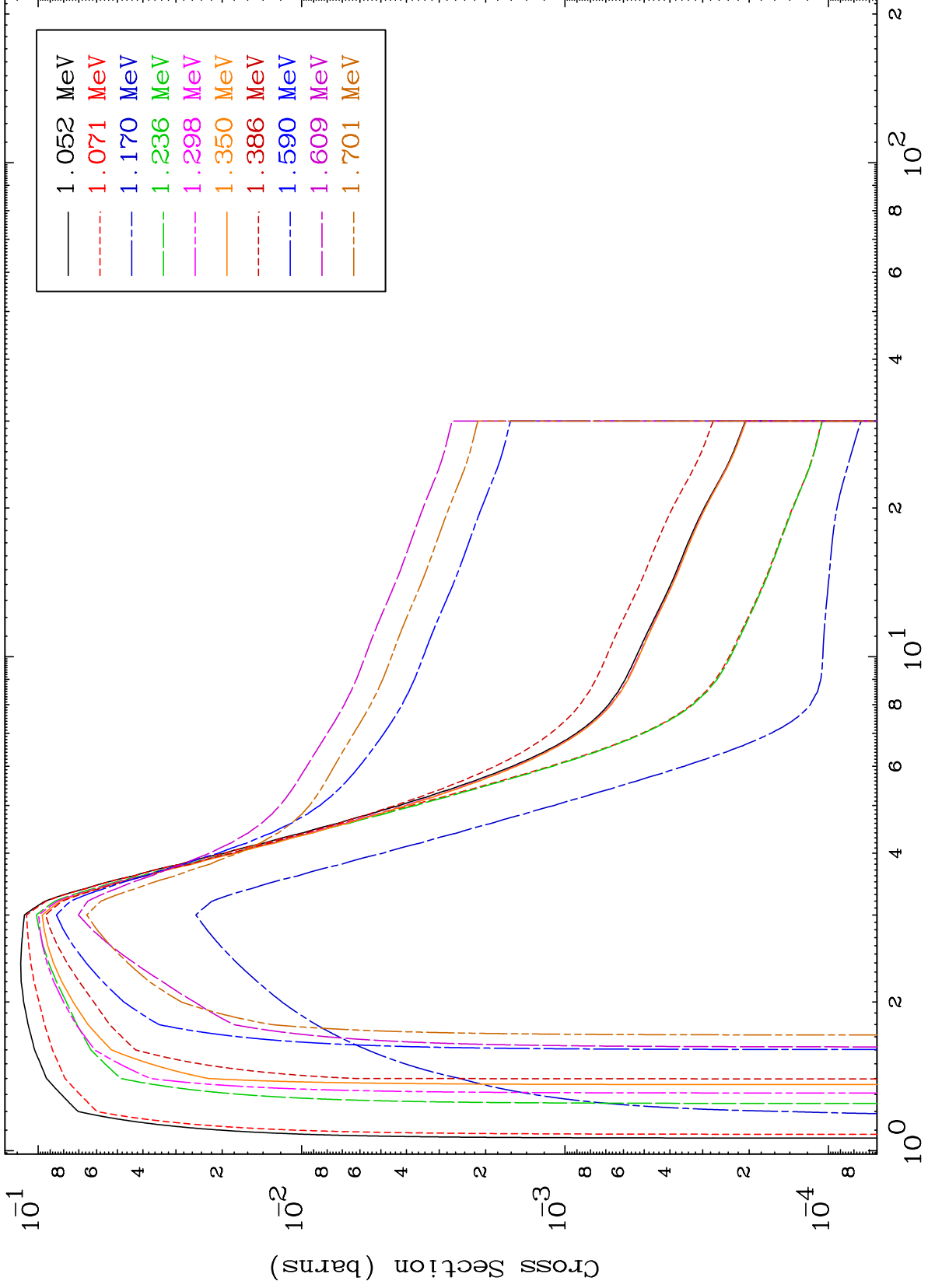
54-Xe-133



MAT 5452

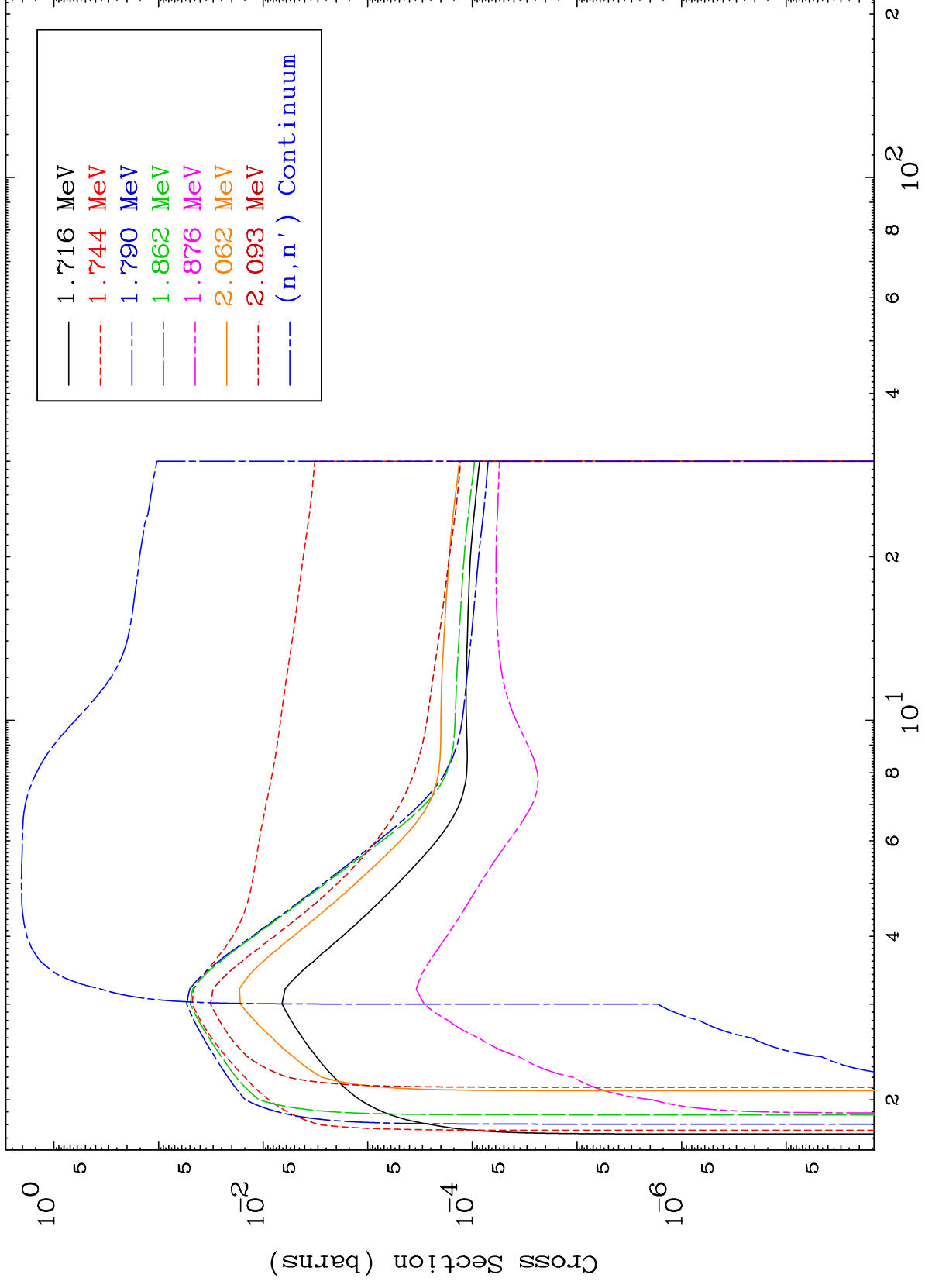
(n,n') Level
293 Kelvin Cross Sections

54-Xe-133



Incident Energy (MeV)

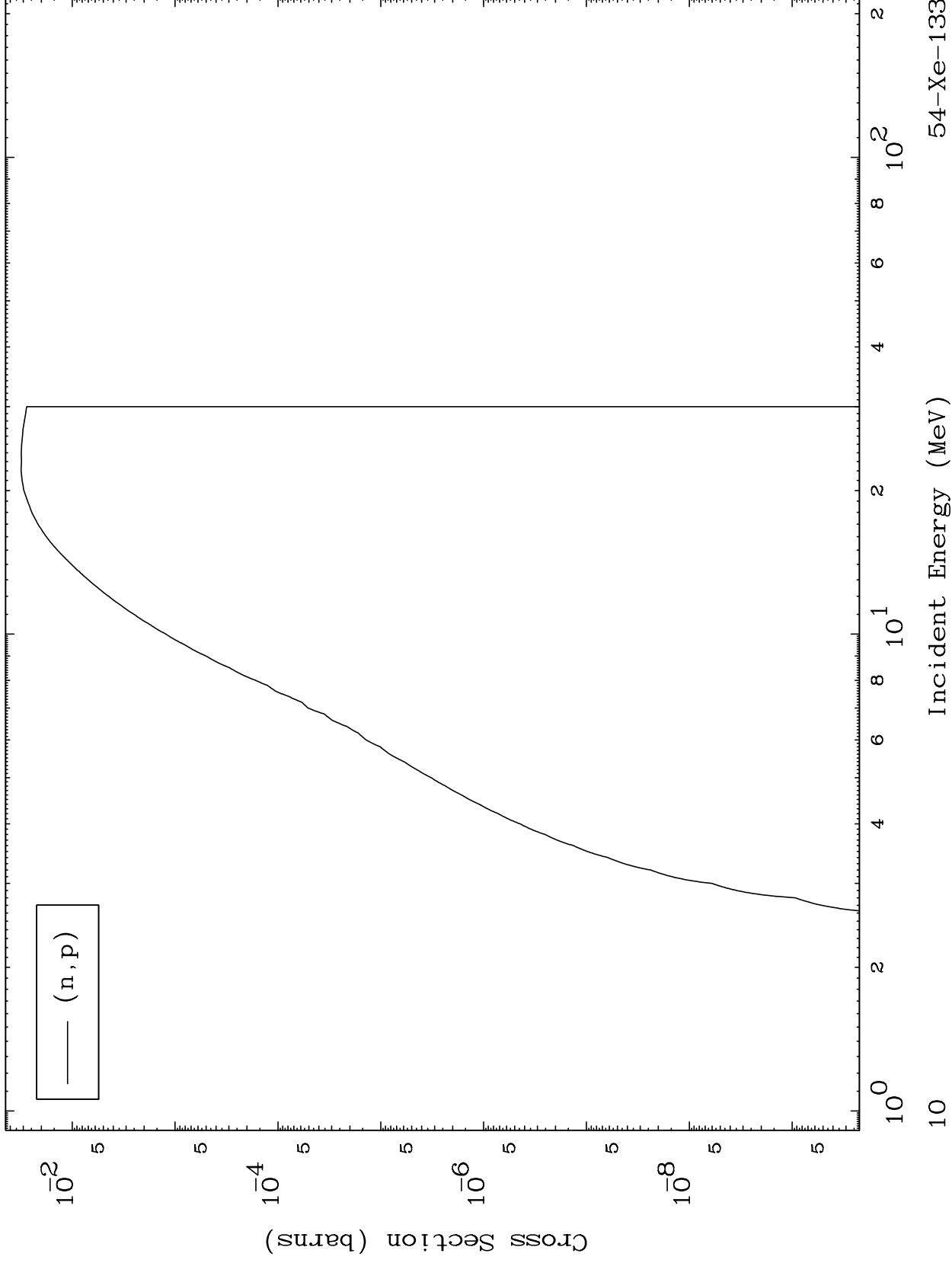
54-Xe-133



MAT 5452

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-133

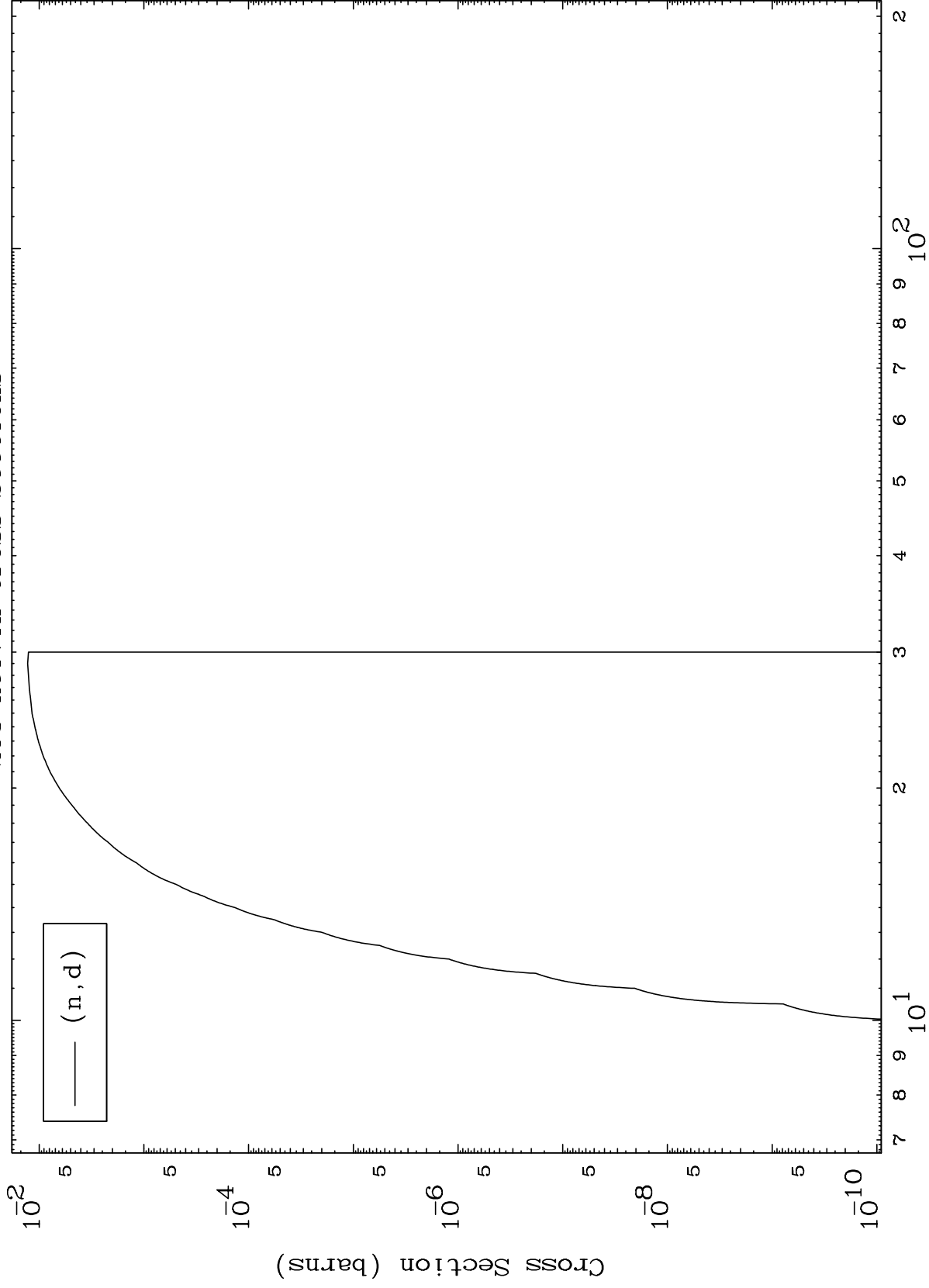


54-Xe-133

MAT 5452

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-133



11

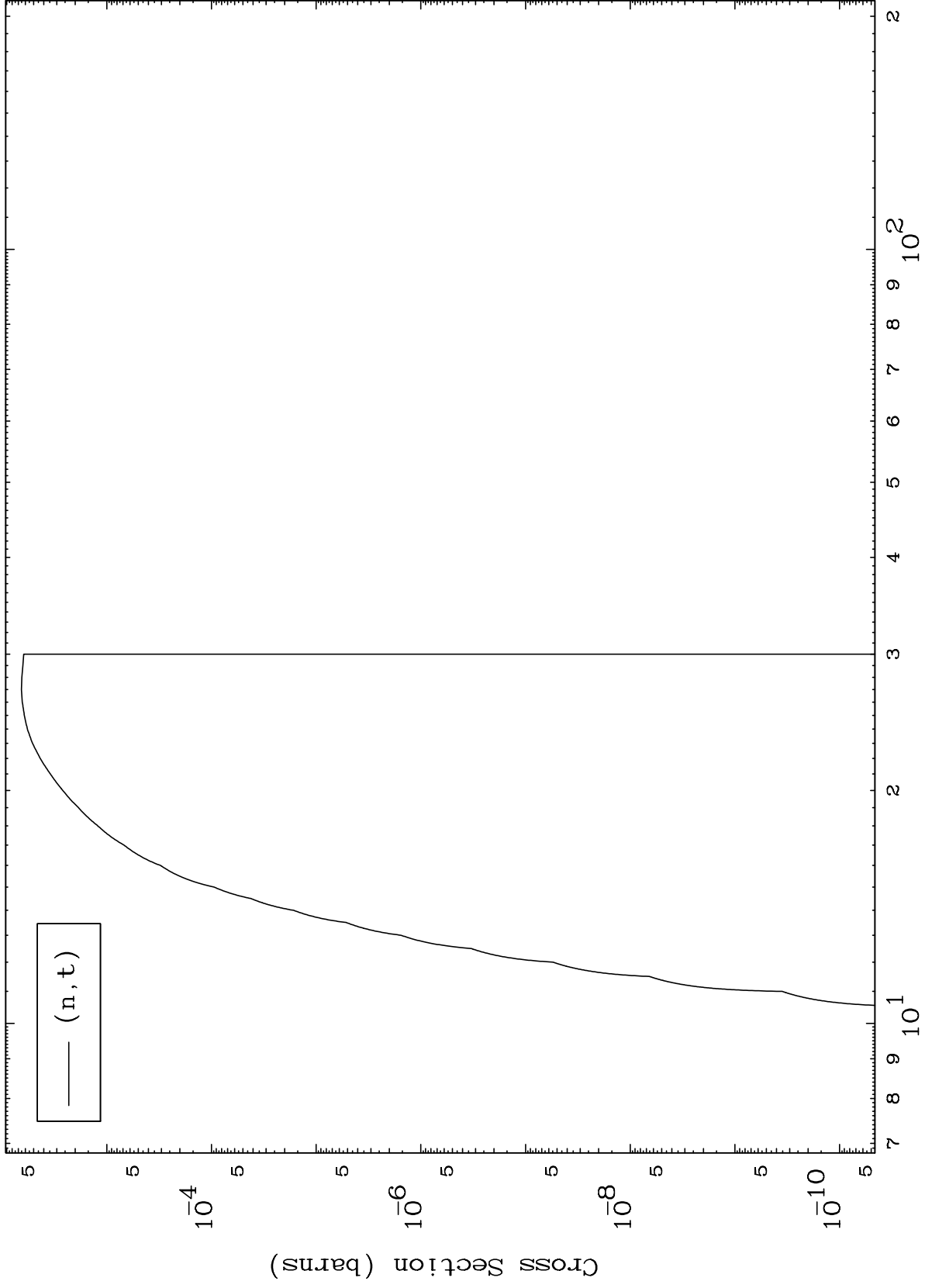
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-133



12

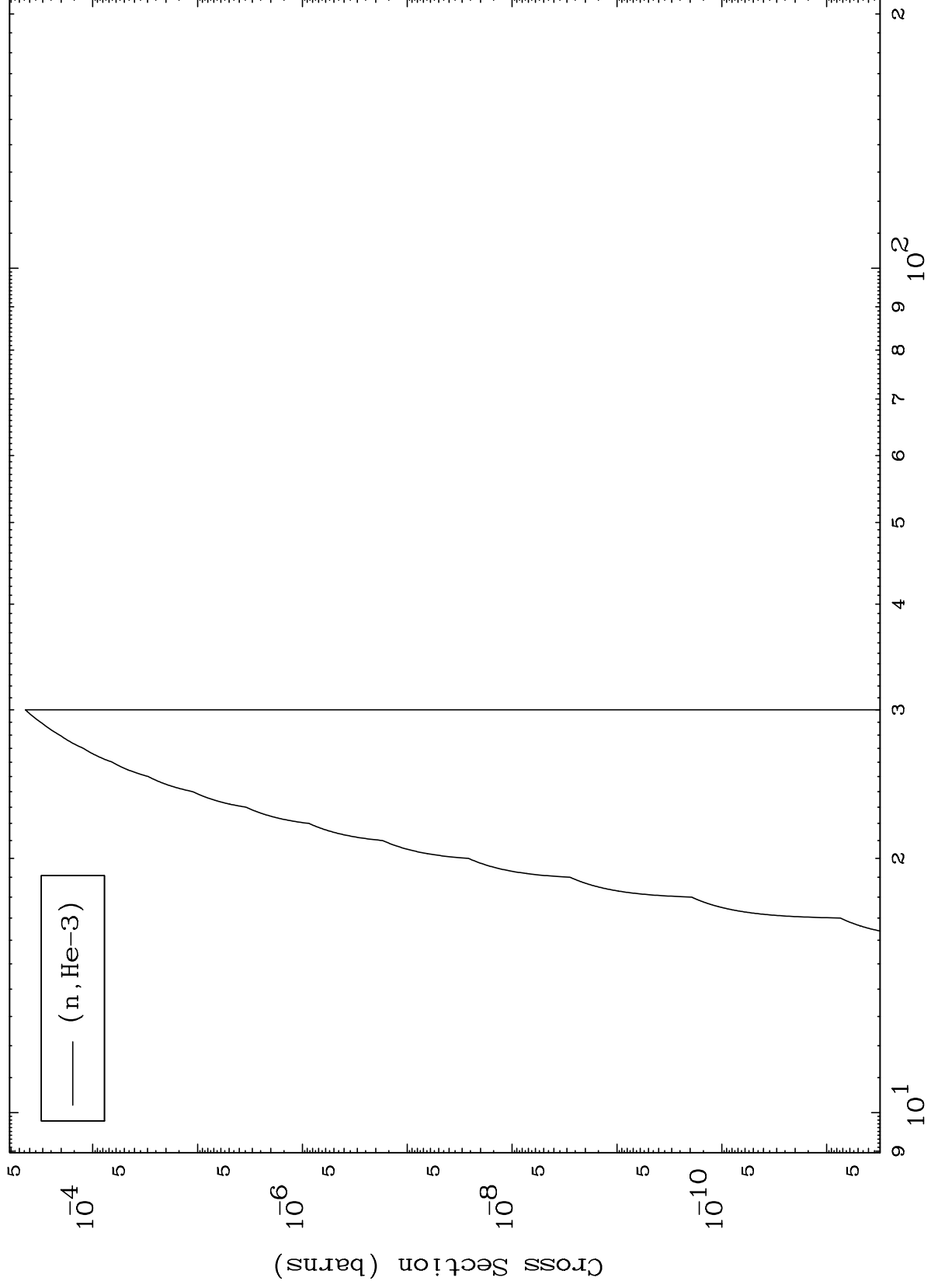
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-133



13

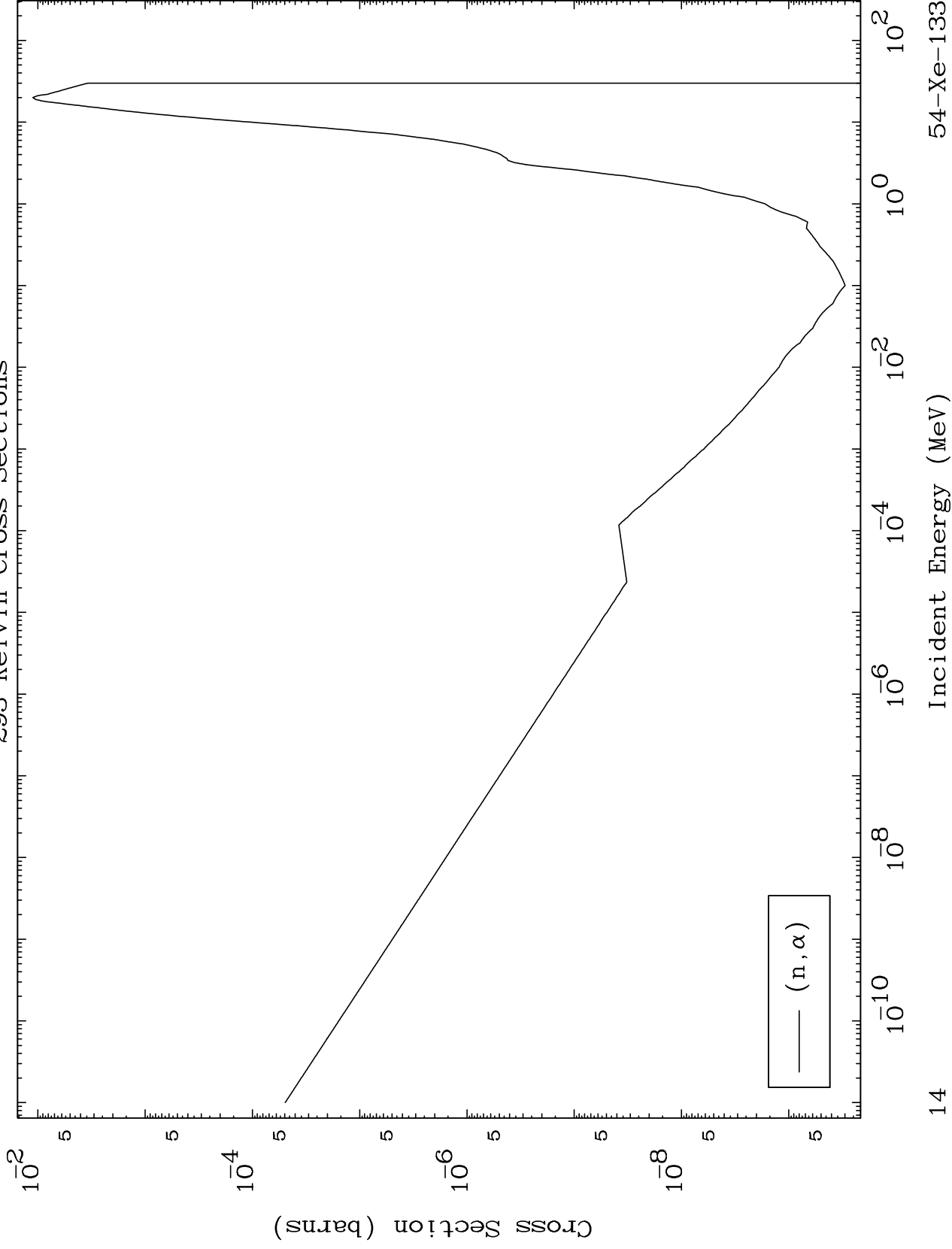
Incident Energy (MeV)

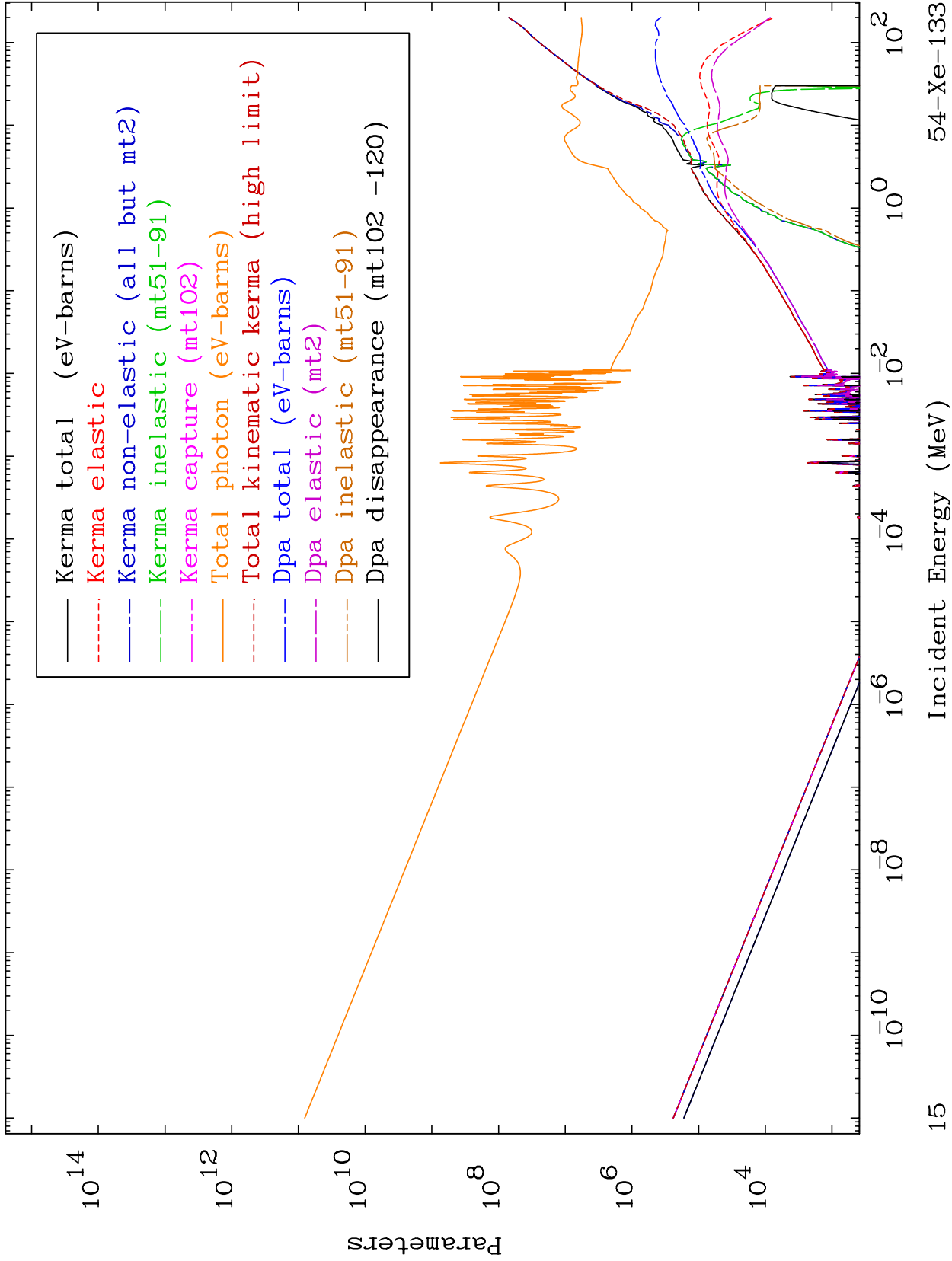
54-Xe-133

MAT 5452

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-133

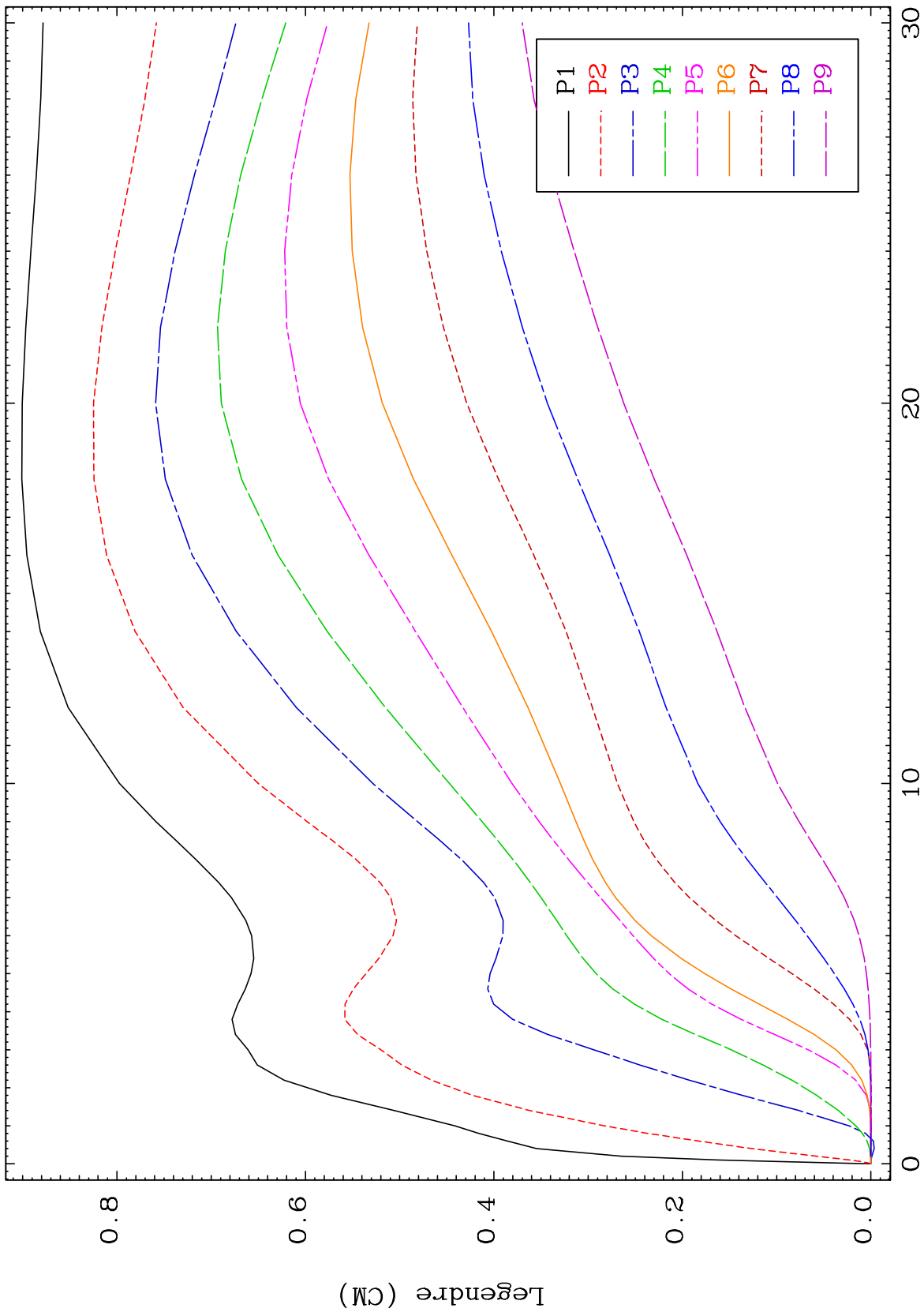




MAT 5452

54-Xe-133

Elastic Legendre Coefficients



54-Xe-133

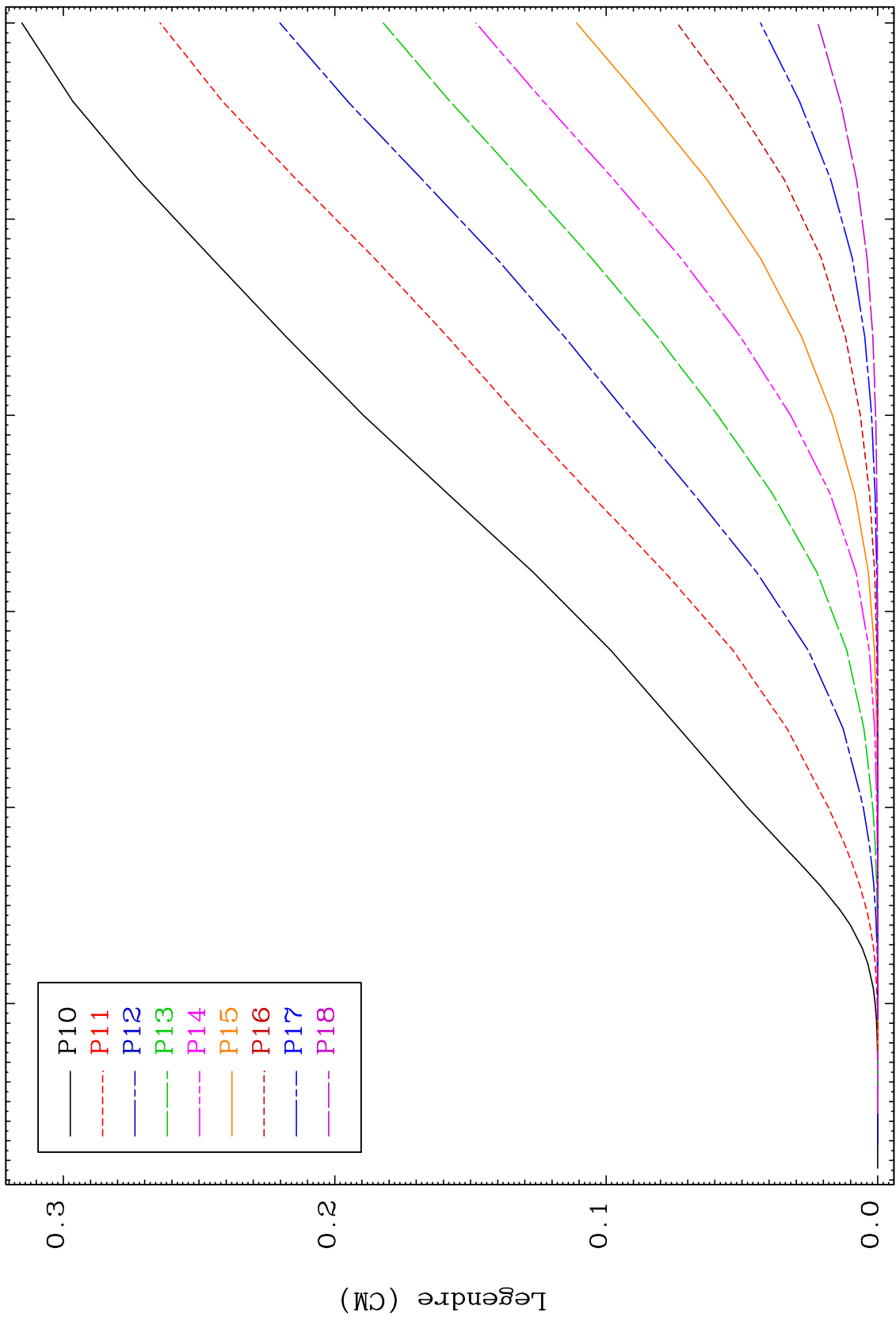
Incident Energy (MeV)

16

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



17

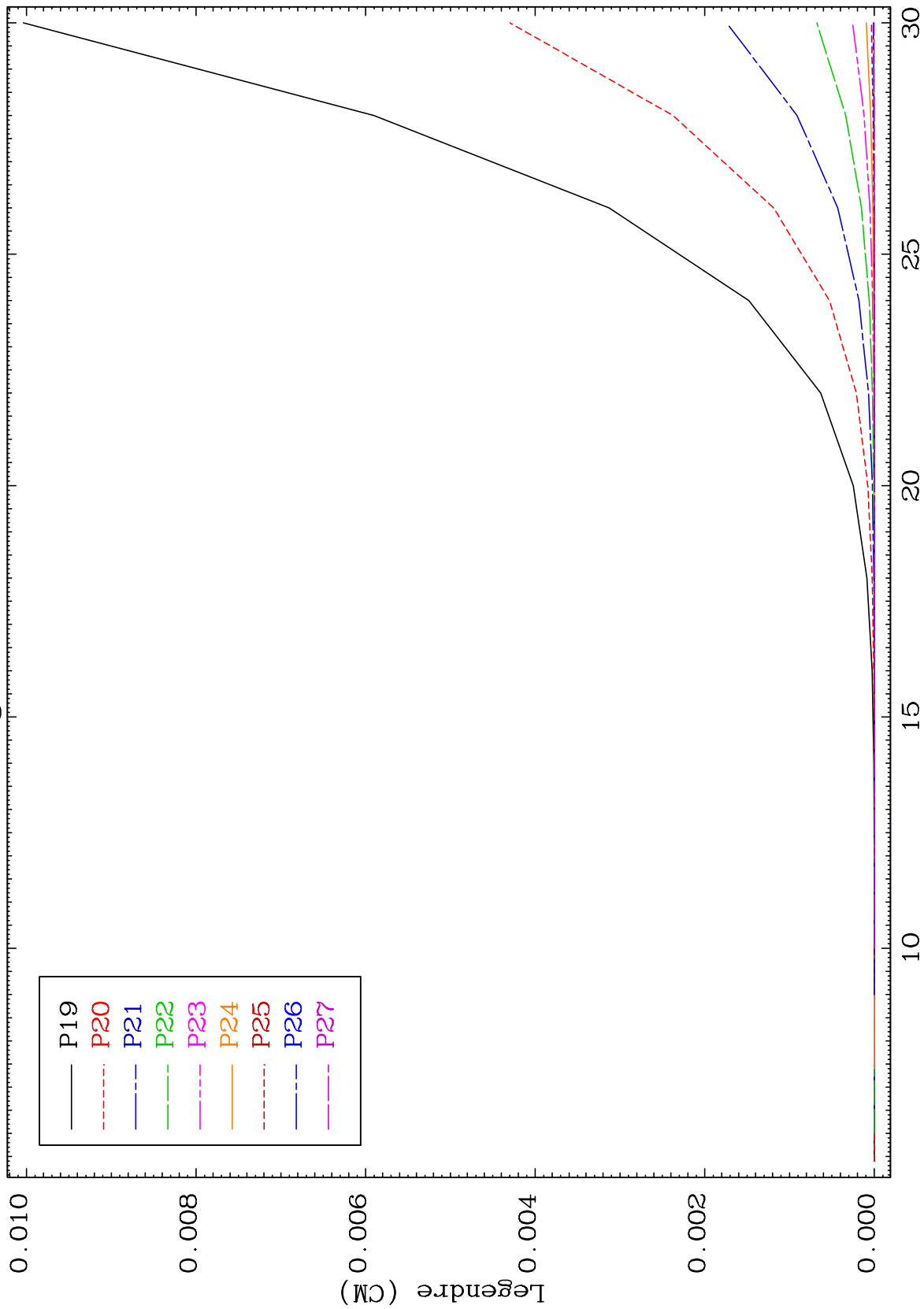
54-Xe-133

Incident Energy (MeV)

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



18

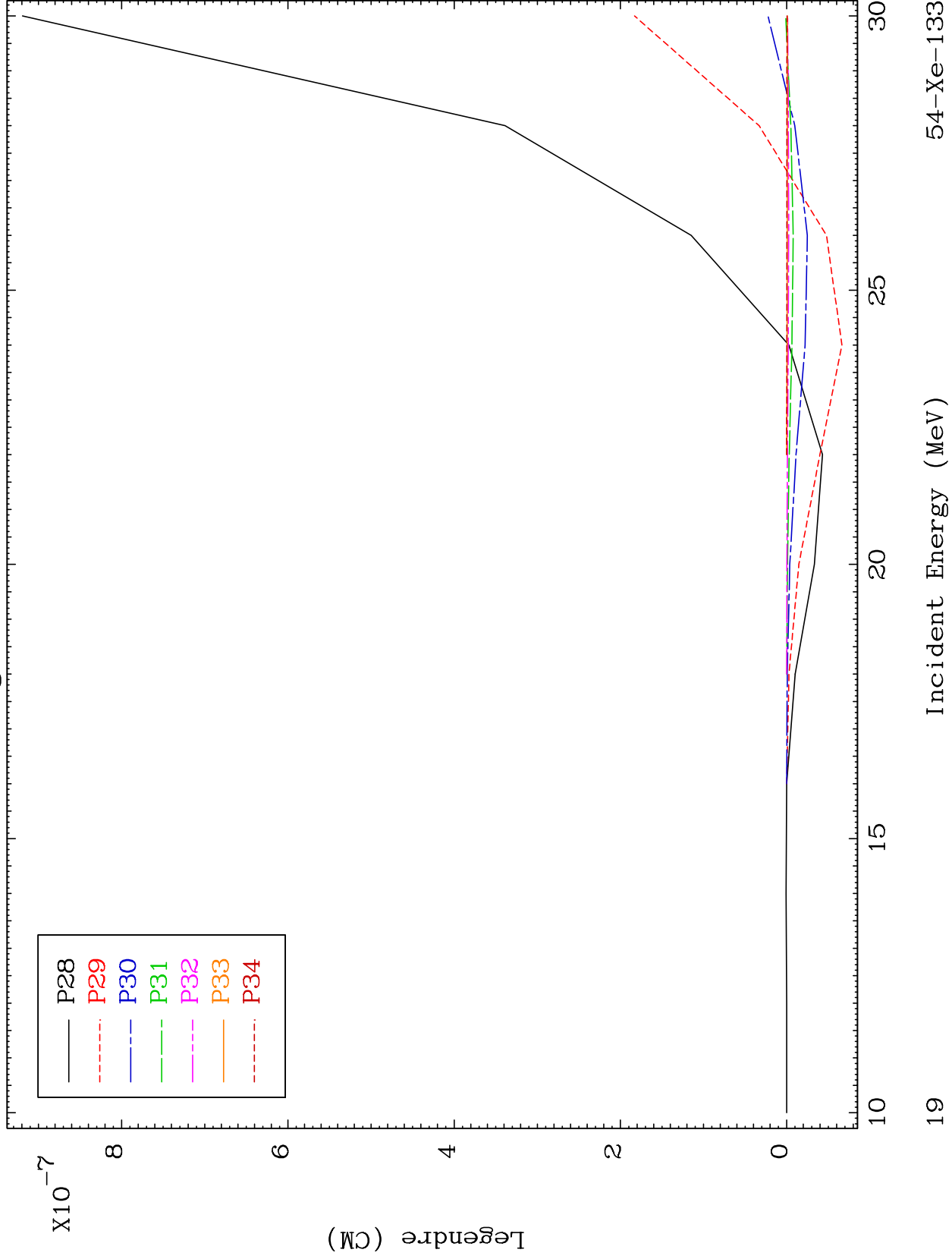
Incident Energy (MeV)

54-Xe-133

MAT 5452

Elastic Legendre Coefficients

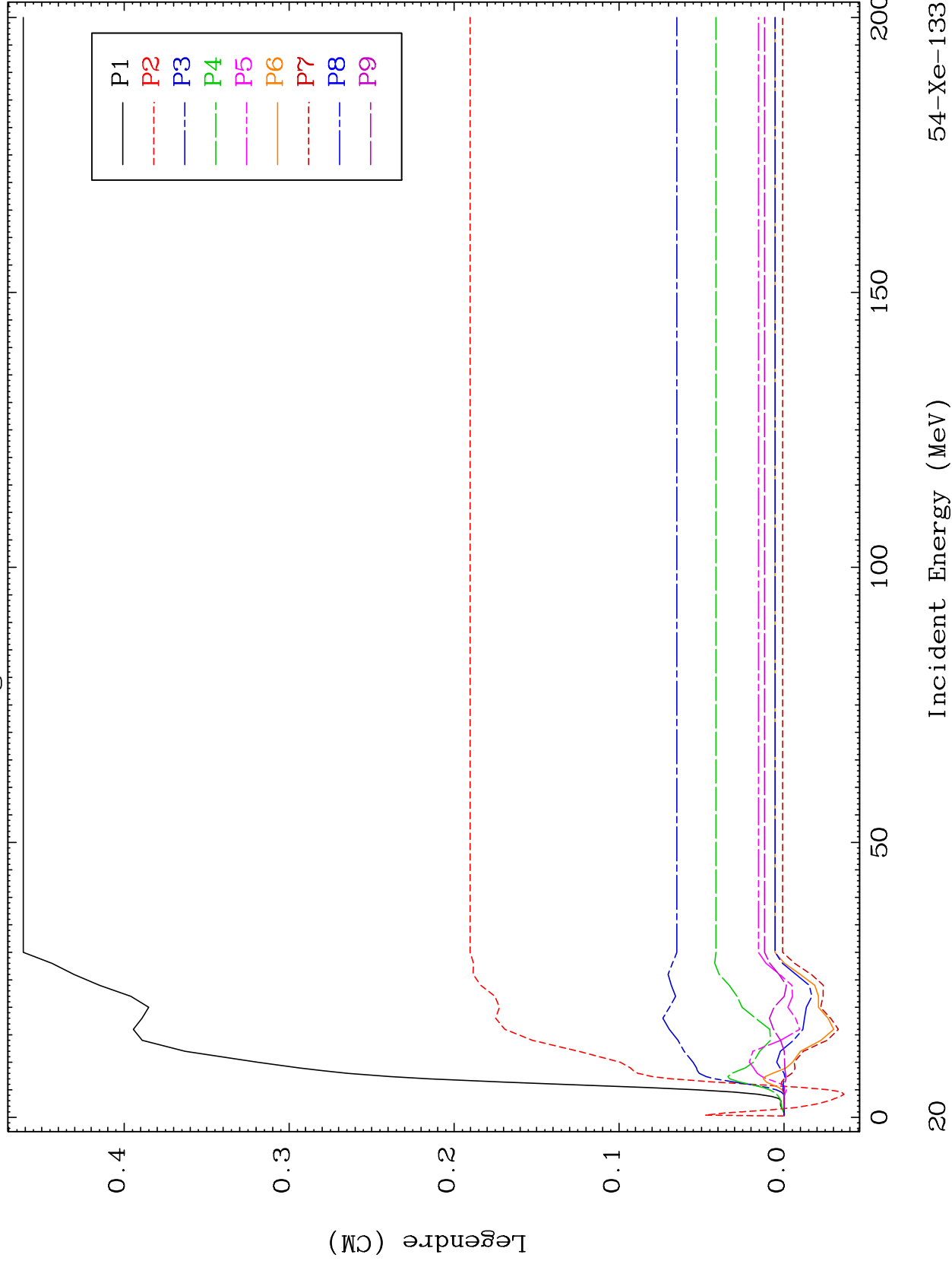
54-Xe-133



MAT 5452

233.2 keV (n,n') Level
Legendre Coefficients

54-Xe-133

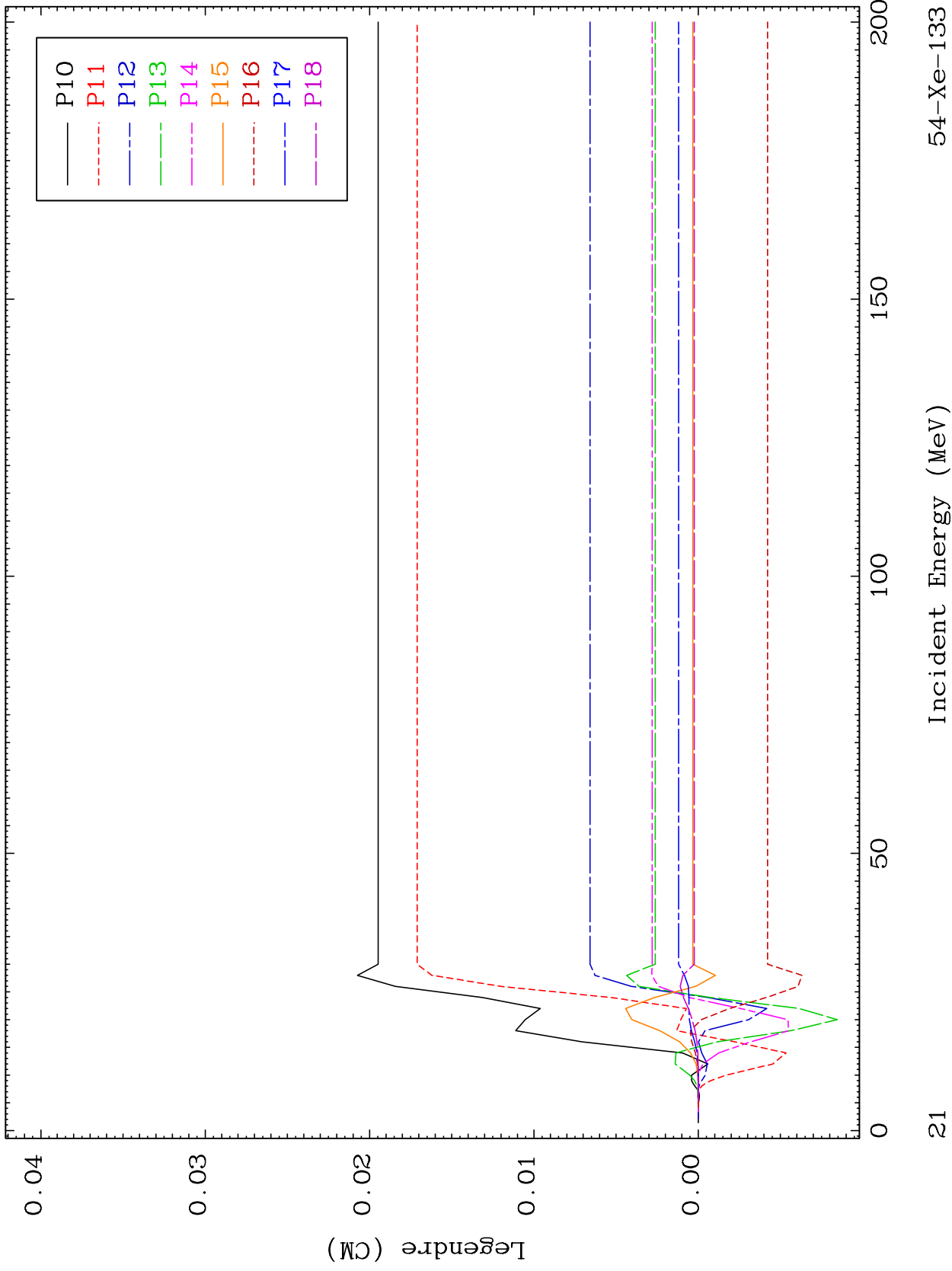


54-Xe-133

MAT 5452

233.2 keV (n,n') Level
Legendre Coefficients

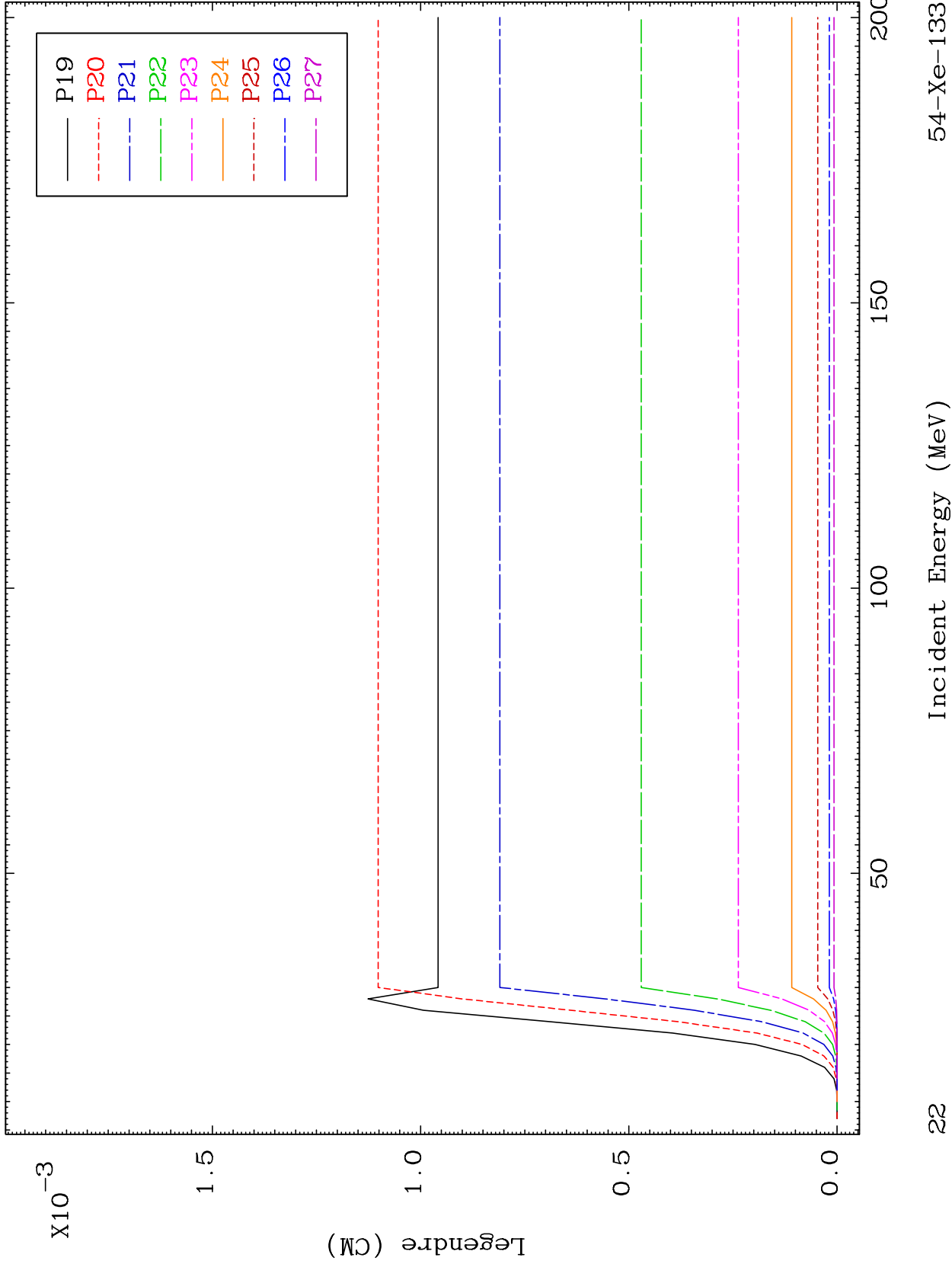
54-Xe-133



54-Xe-133

Incident Energy (MeV)

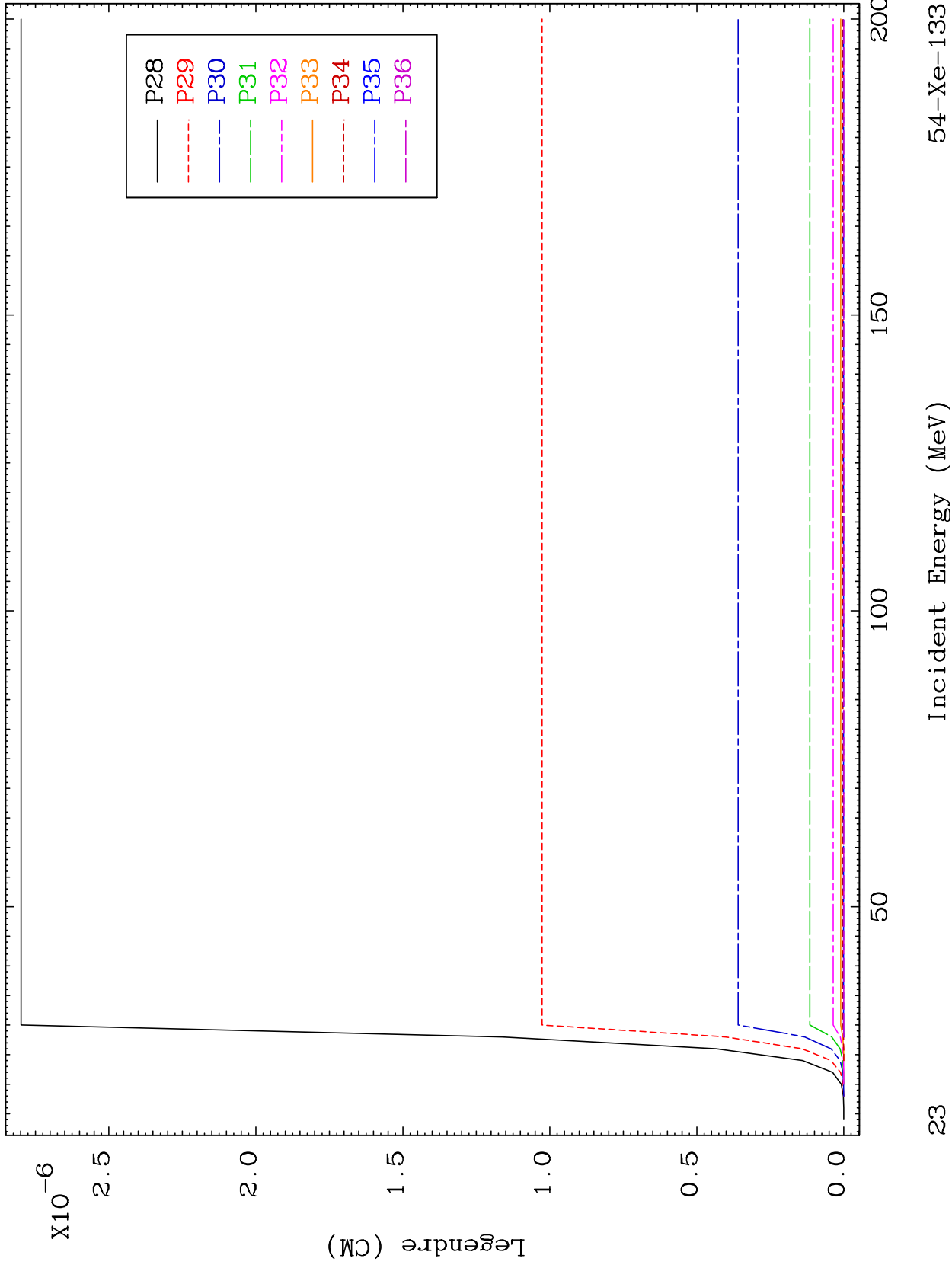
21



MAT 5452

233.2 keV (n,n') Level
Legendre Coefficients

54-Xe-133



23

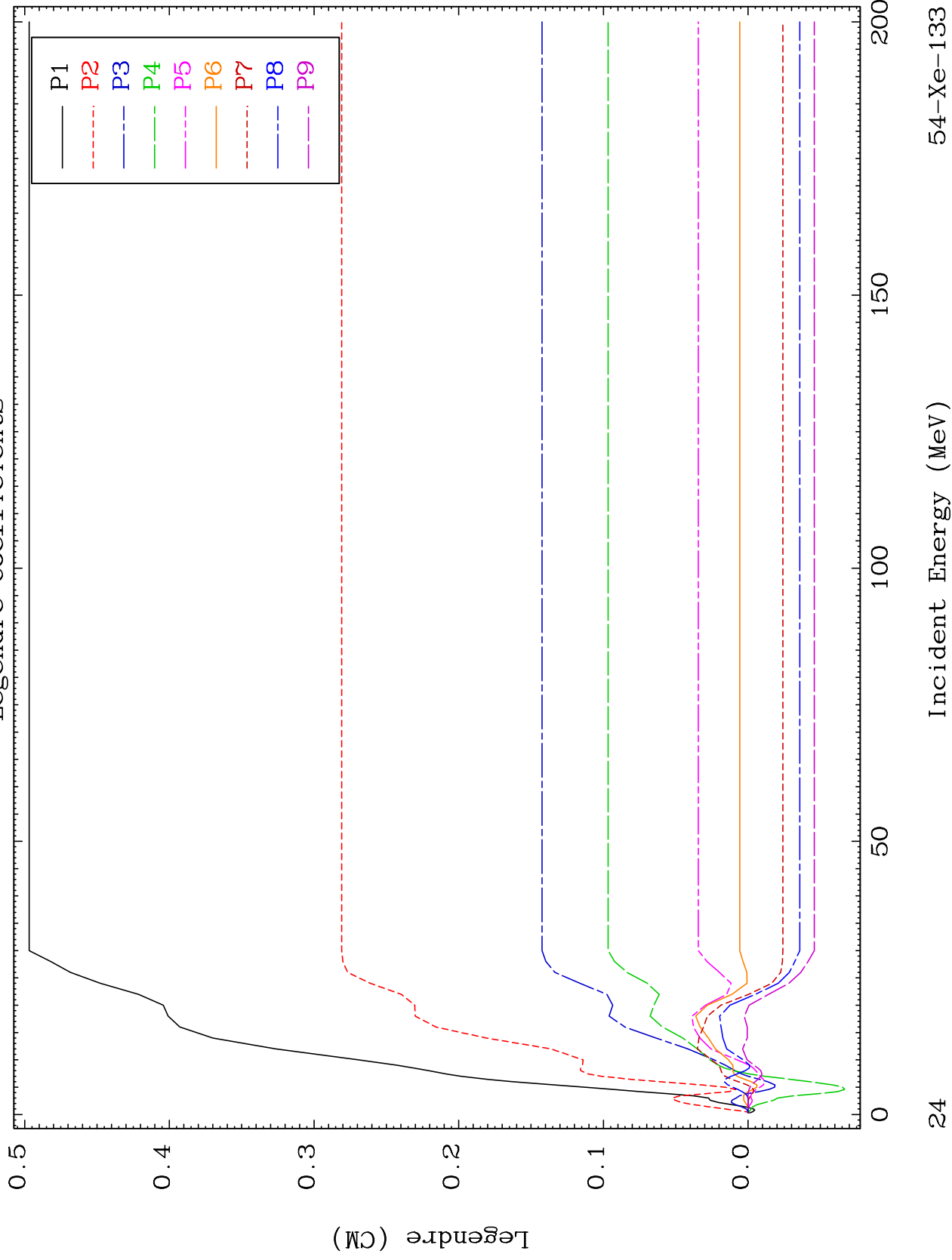
Incident Energy (MeV)

54-Xe-133

MAT 5452

262.7 keV (n,n') Level
Legendre Coefficients

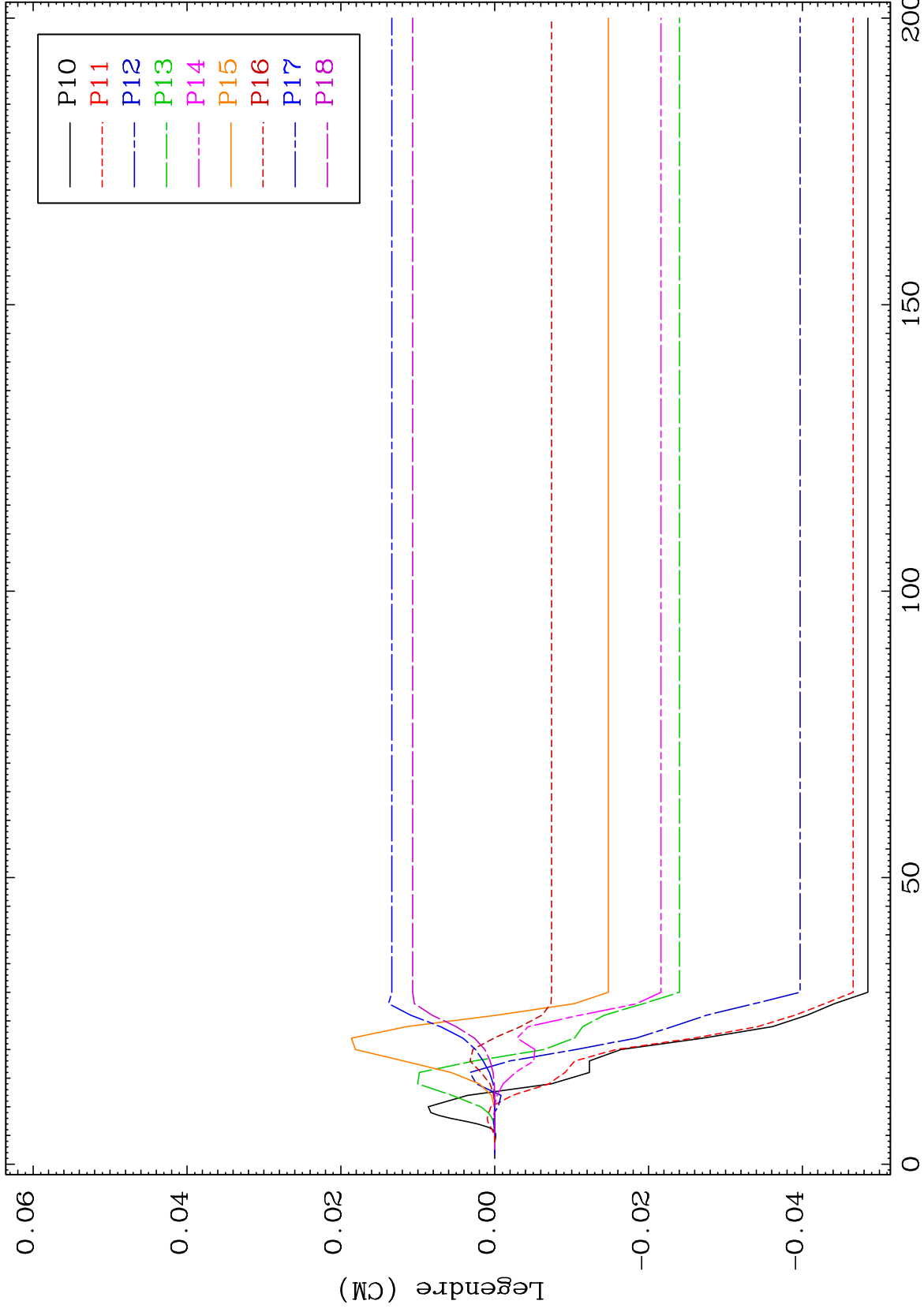
54-Xe-133



MAT 5452

262.7 keV (n,n') Level
Legendre Coefficients

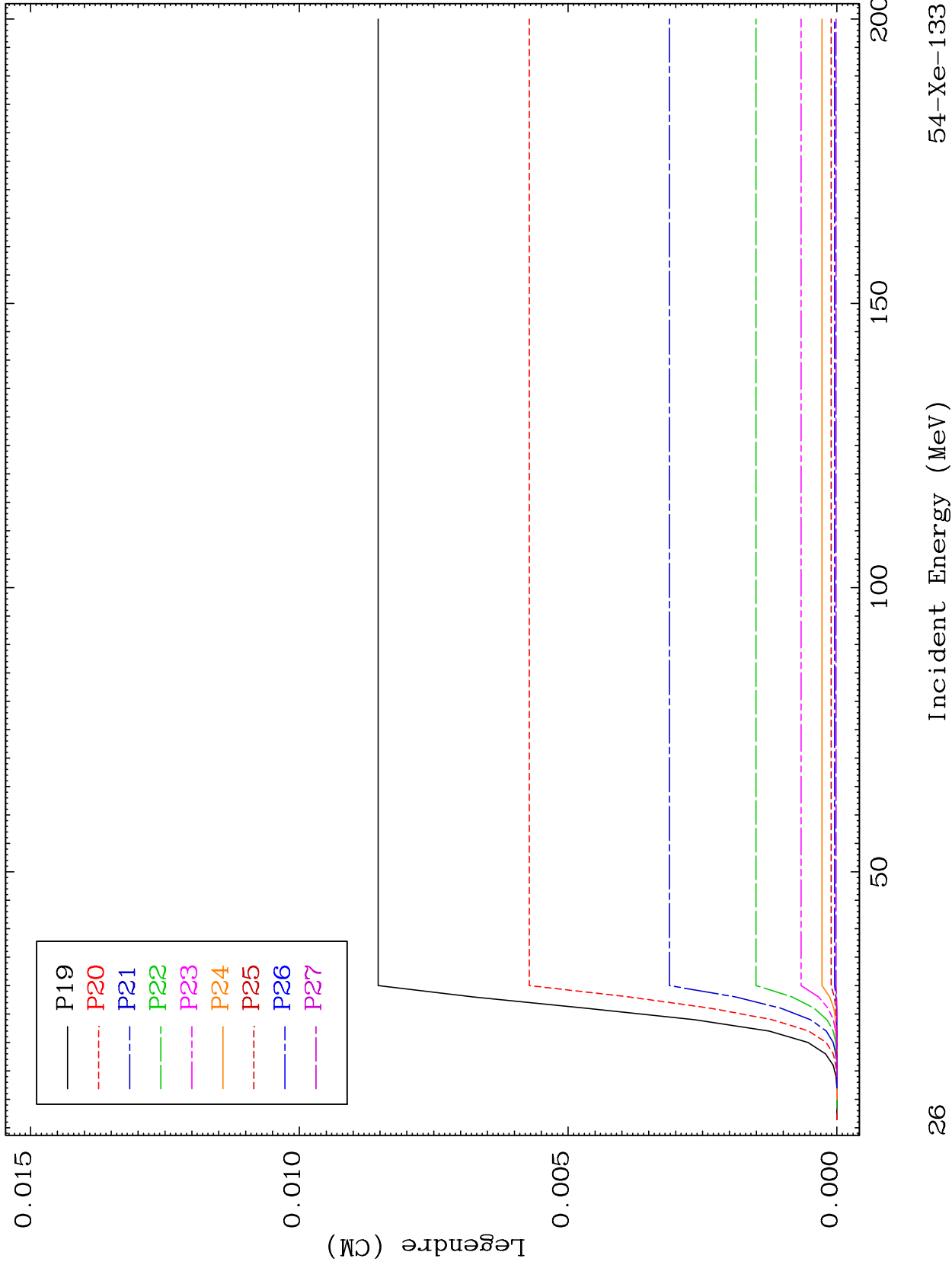
54-Xe-133



25

Incident Energy (MeV)

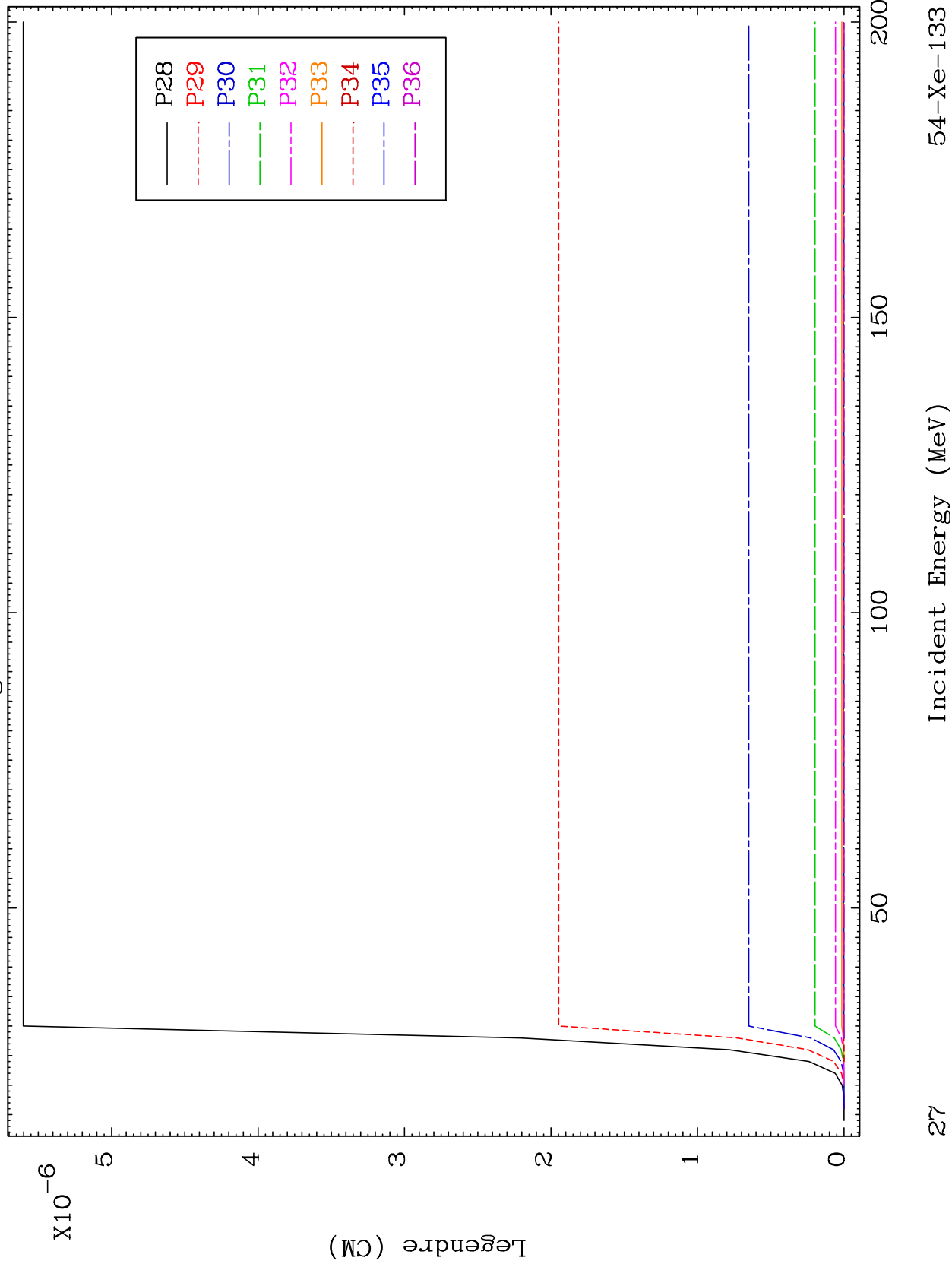
54-Xe-133



MAT 5452

262.7 keV (n,n') Level
Legendre Coefficients

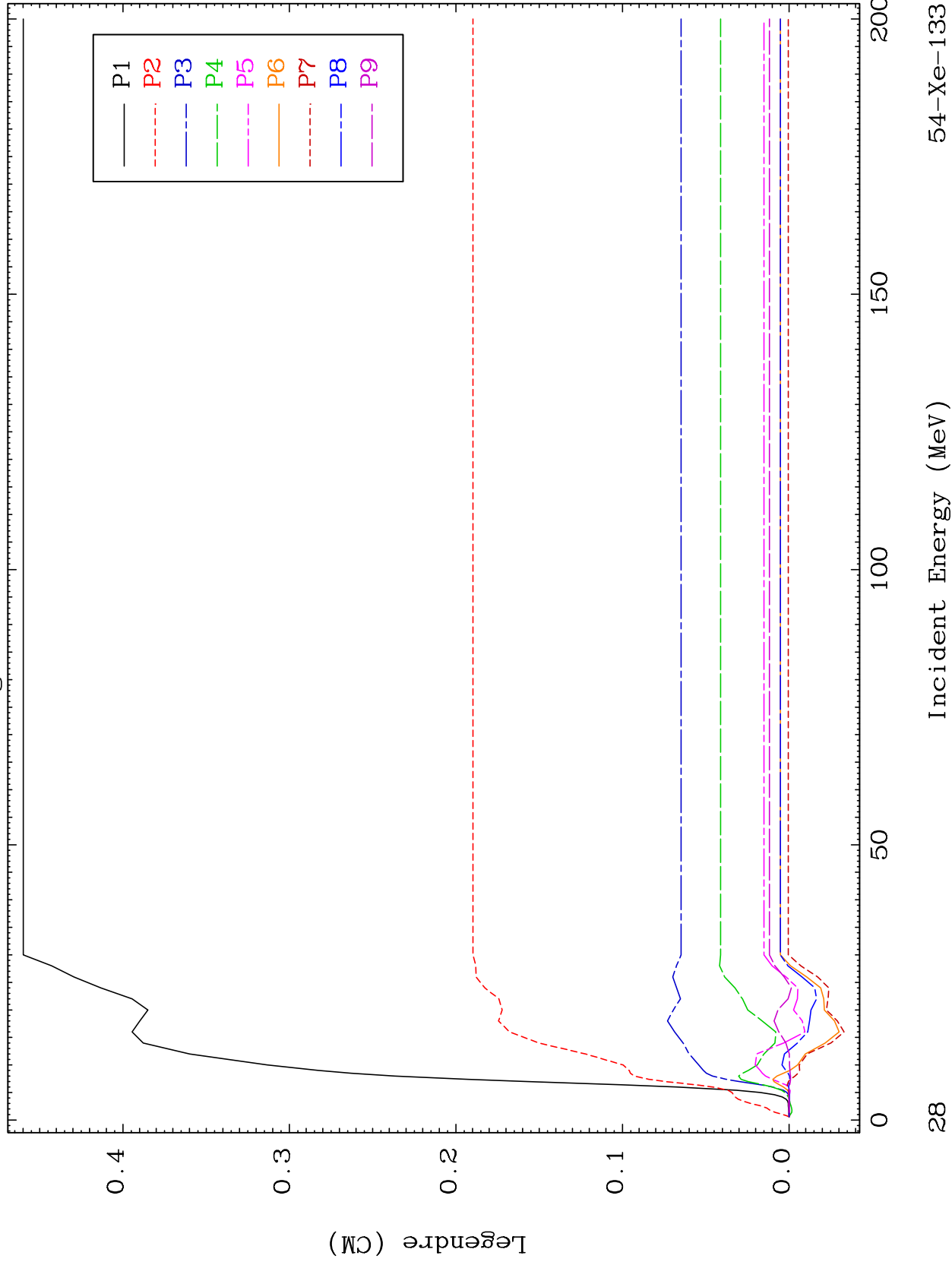
54-Xe-133



MAT 5452

529.9 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

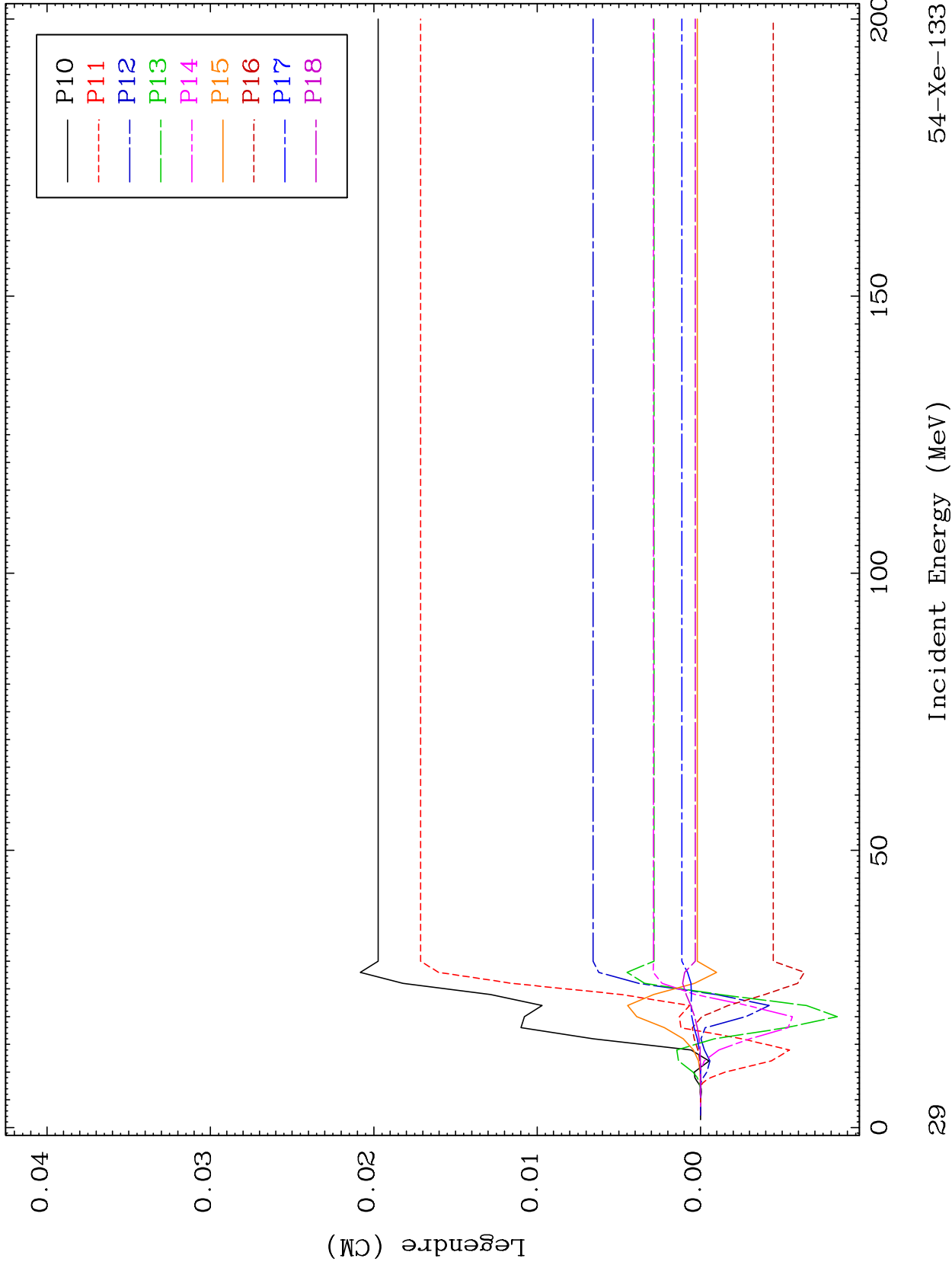
Incident Energy (MeV)

28

MAT 5452

529.9 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

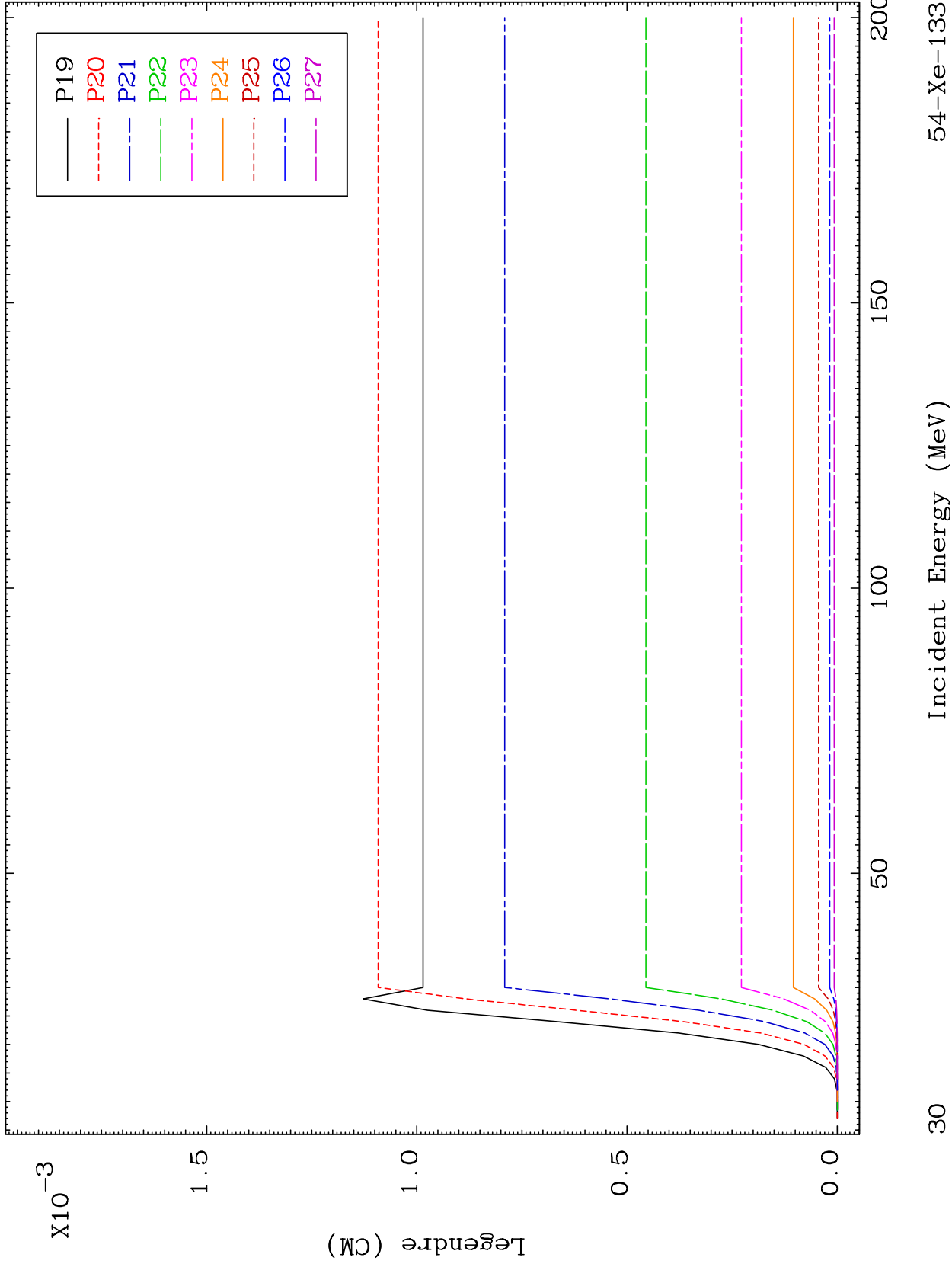
Incident Energy (MeV)

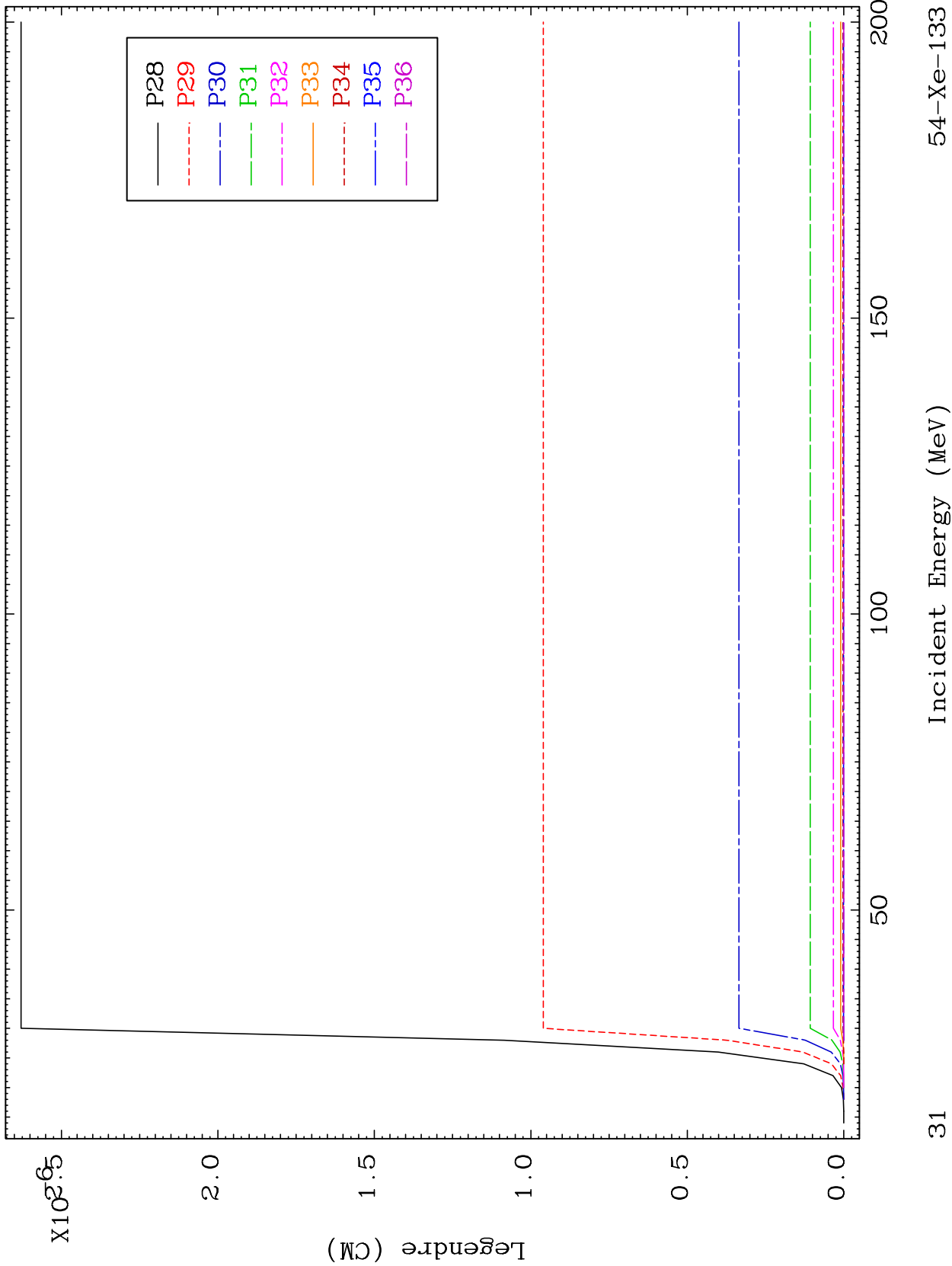
29

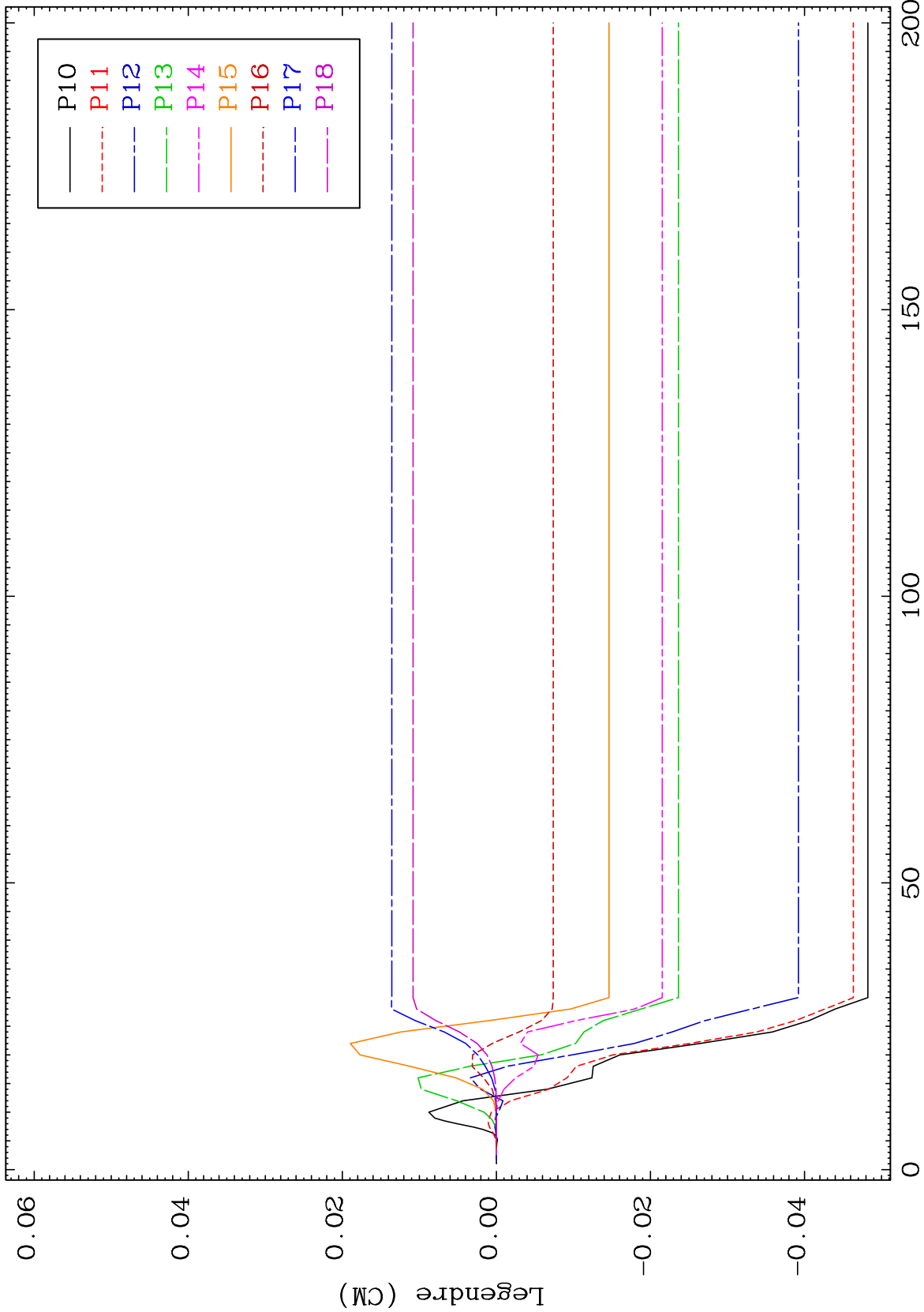
MAT 5452

529.9 keV (n,n') Level
Legendre Coefficients

54-Xe-133



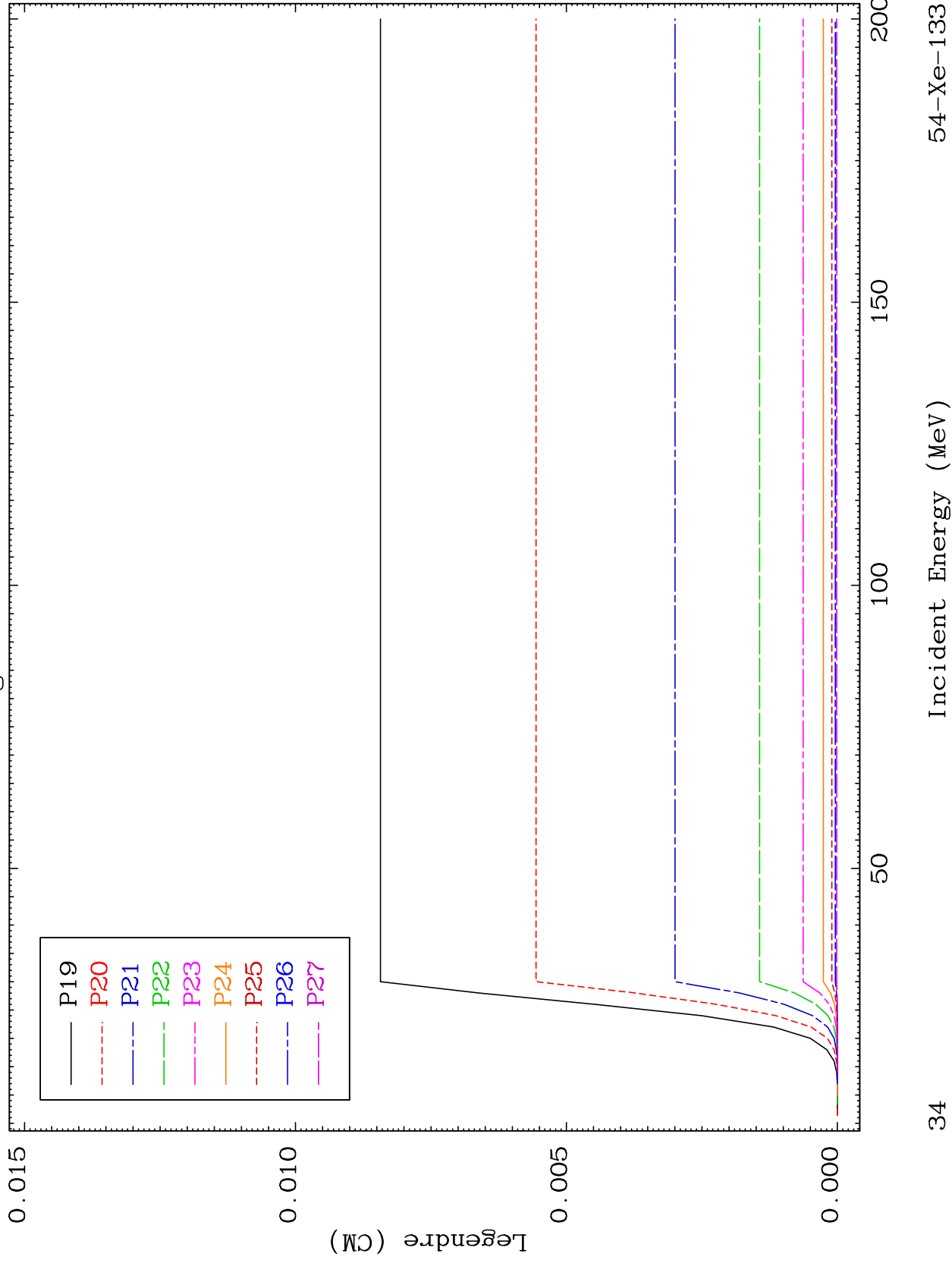




MAT 5452

607.9 keV (n,n') Level
Legendre Coefficients

54-Xe-133



34

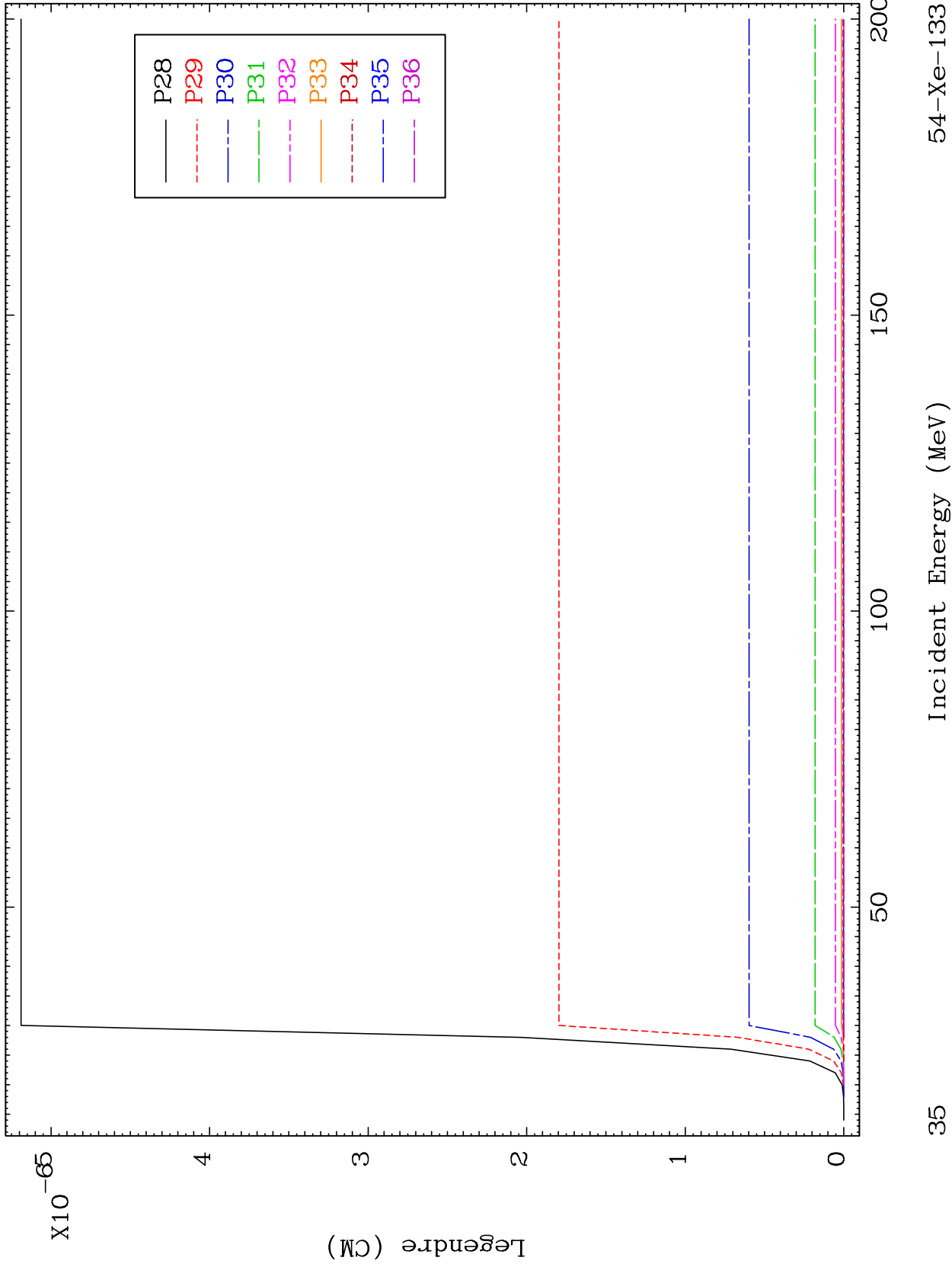
Incident Energy (MeV)

54-Xe-133

MAT 5452

607.9 keV (n, n') Level
Legendre Coefficients

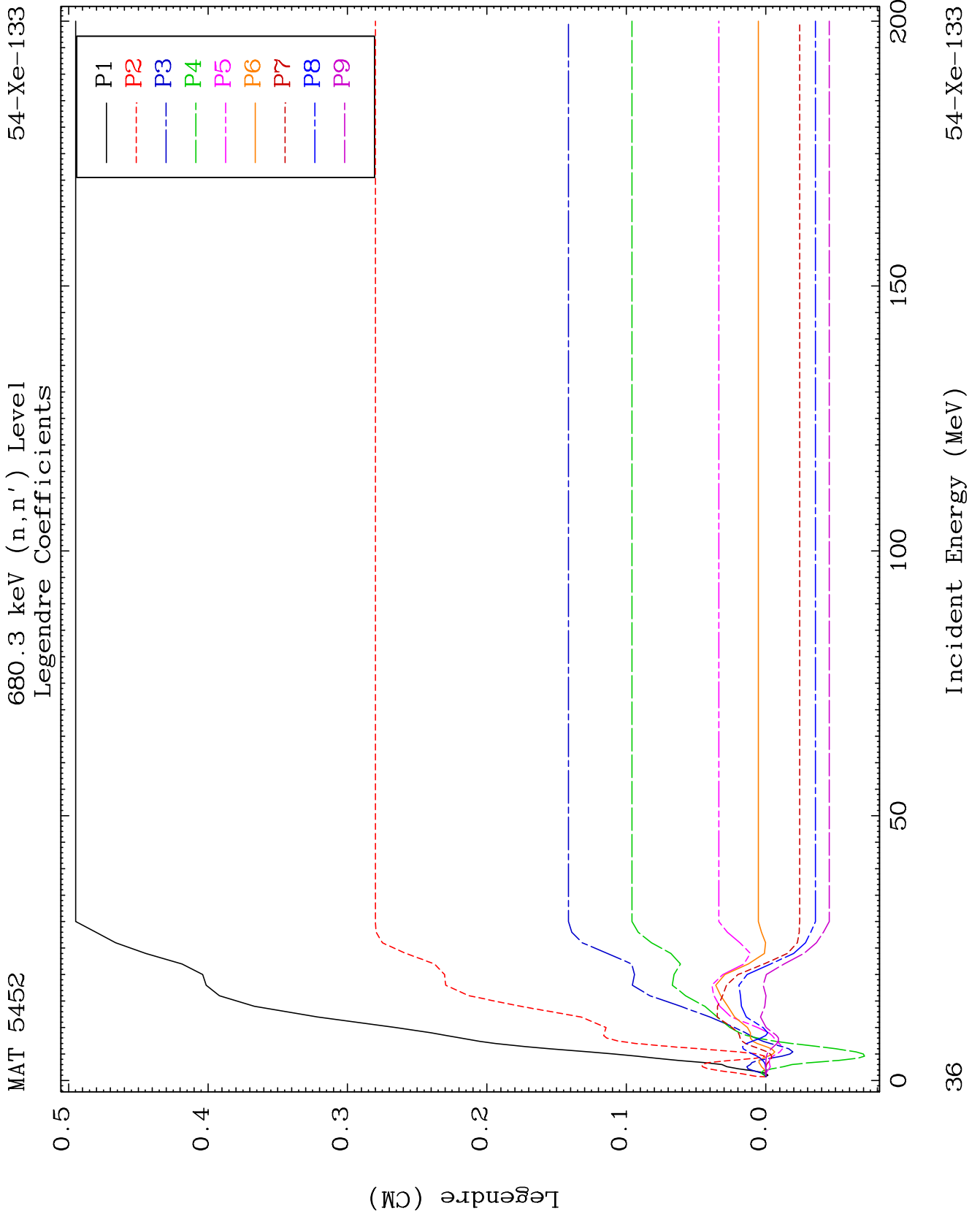
54-Xe-133



35

Incident Energy (MeV)

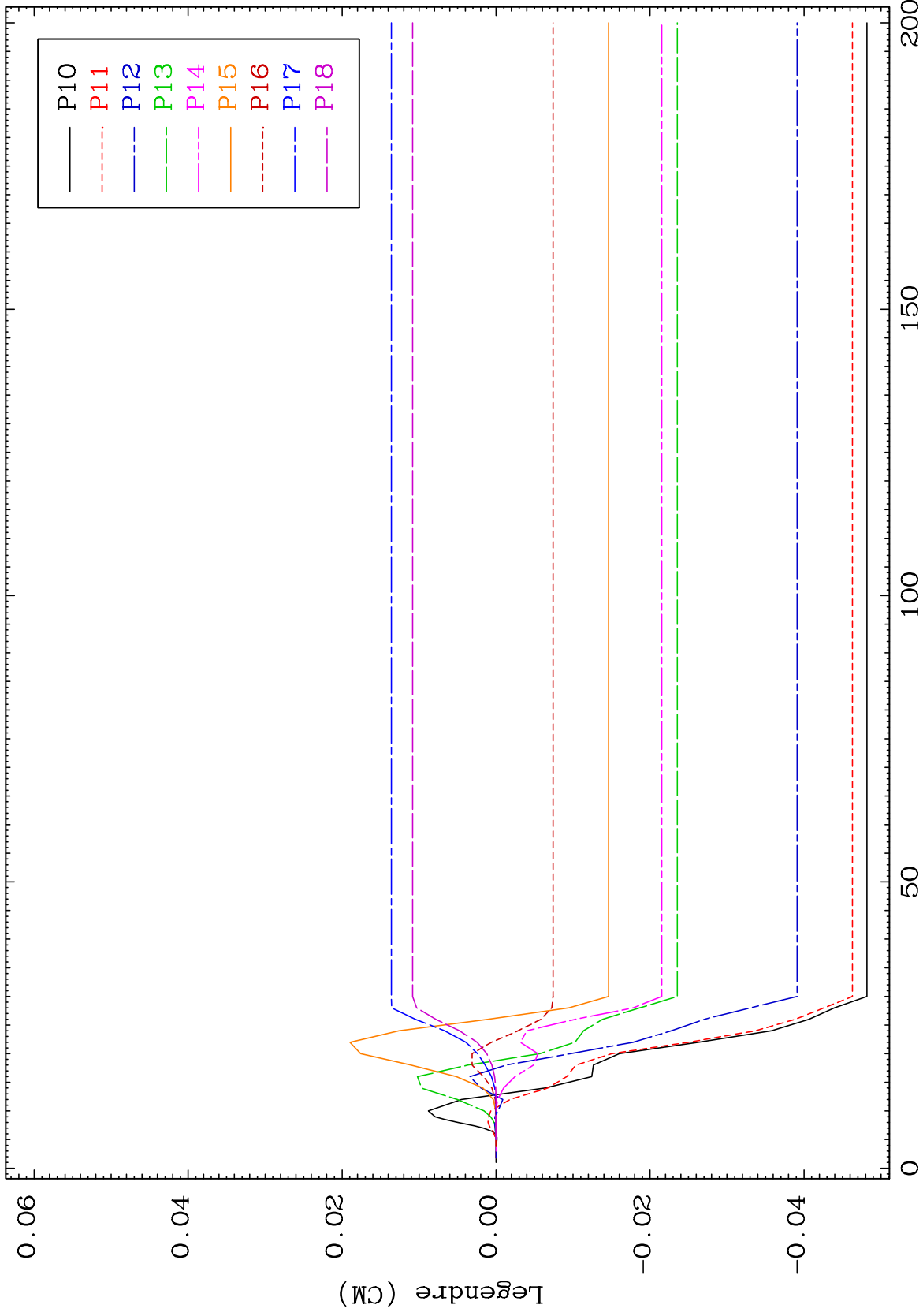
54-Xe-133



MAT 5452

680.3 keV (n,n') Level
Legendre Coefficients

54-Xe-133



37

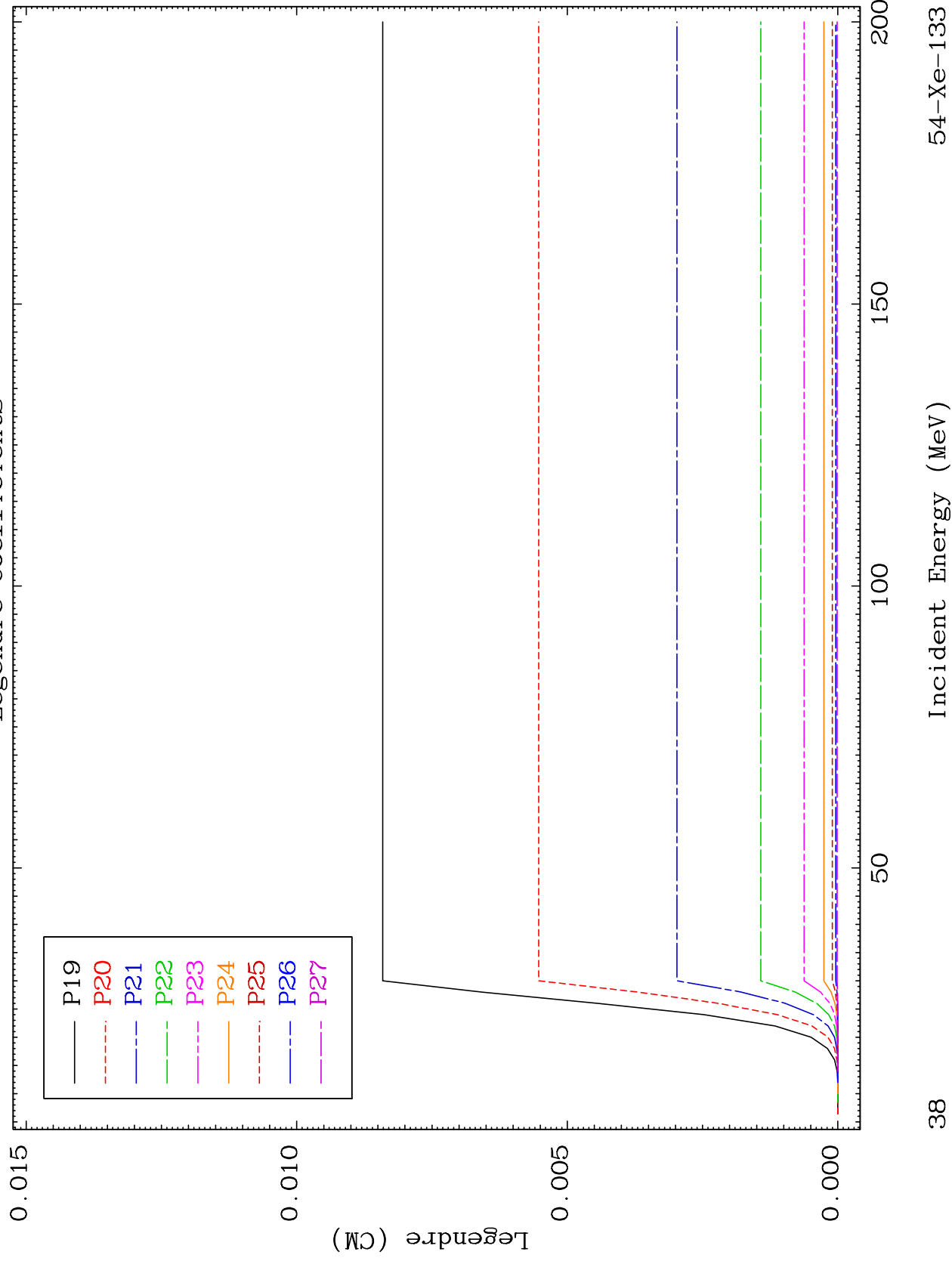
Incident Energy (MeV)

54-Xe-133

MAT 5452

680.3 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

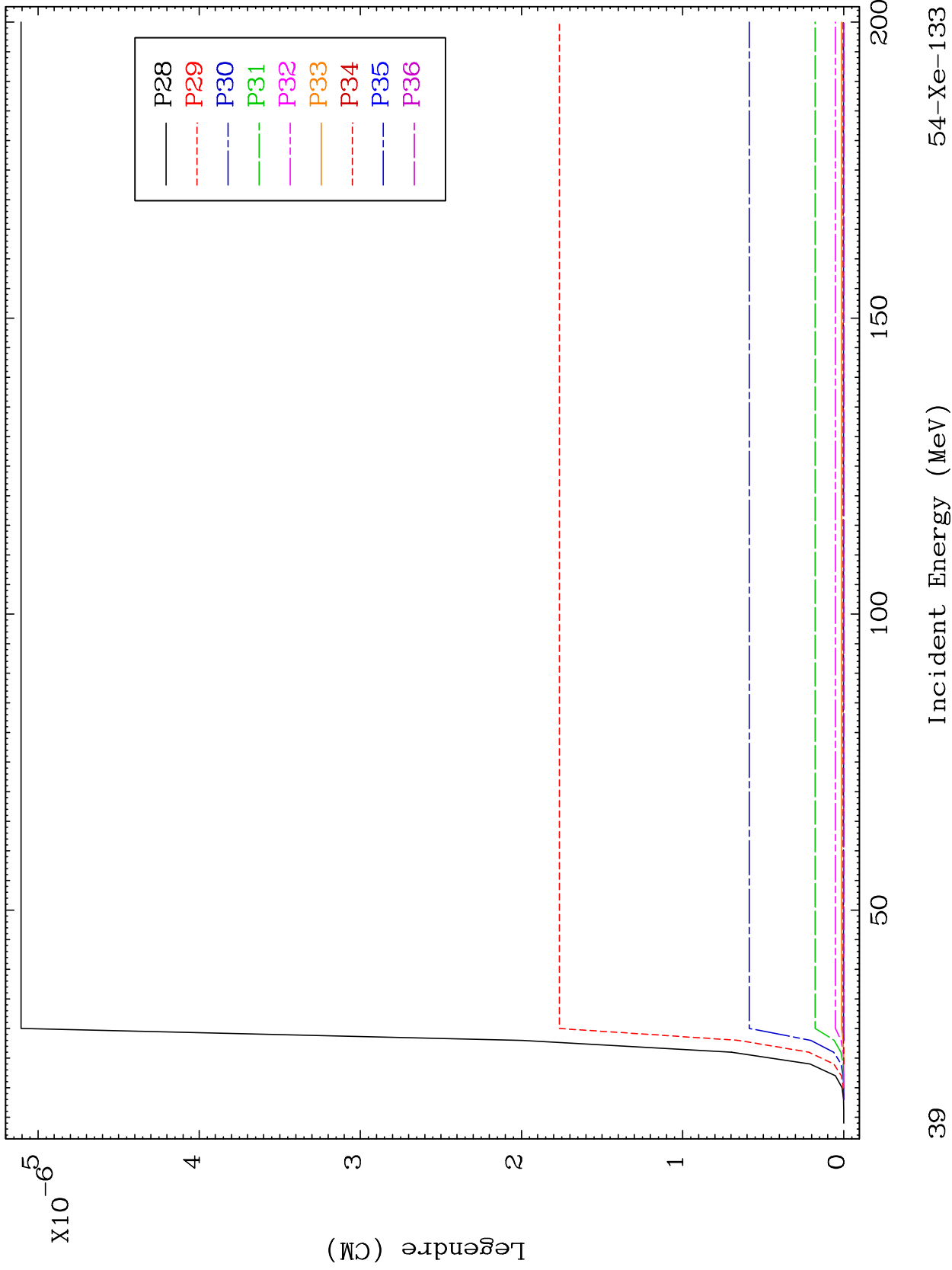
Incident Energy (MeV)

38

MAT 5452

680.3 keV (n, n') Level
Legendre Coefficients

54-Xe-133



39

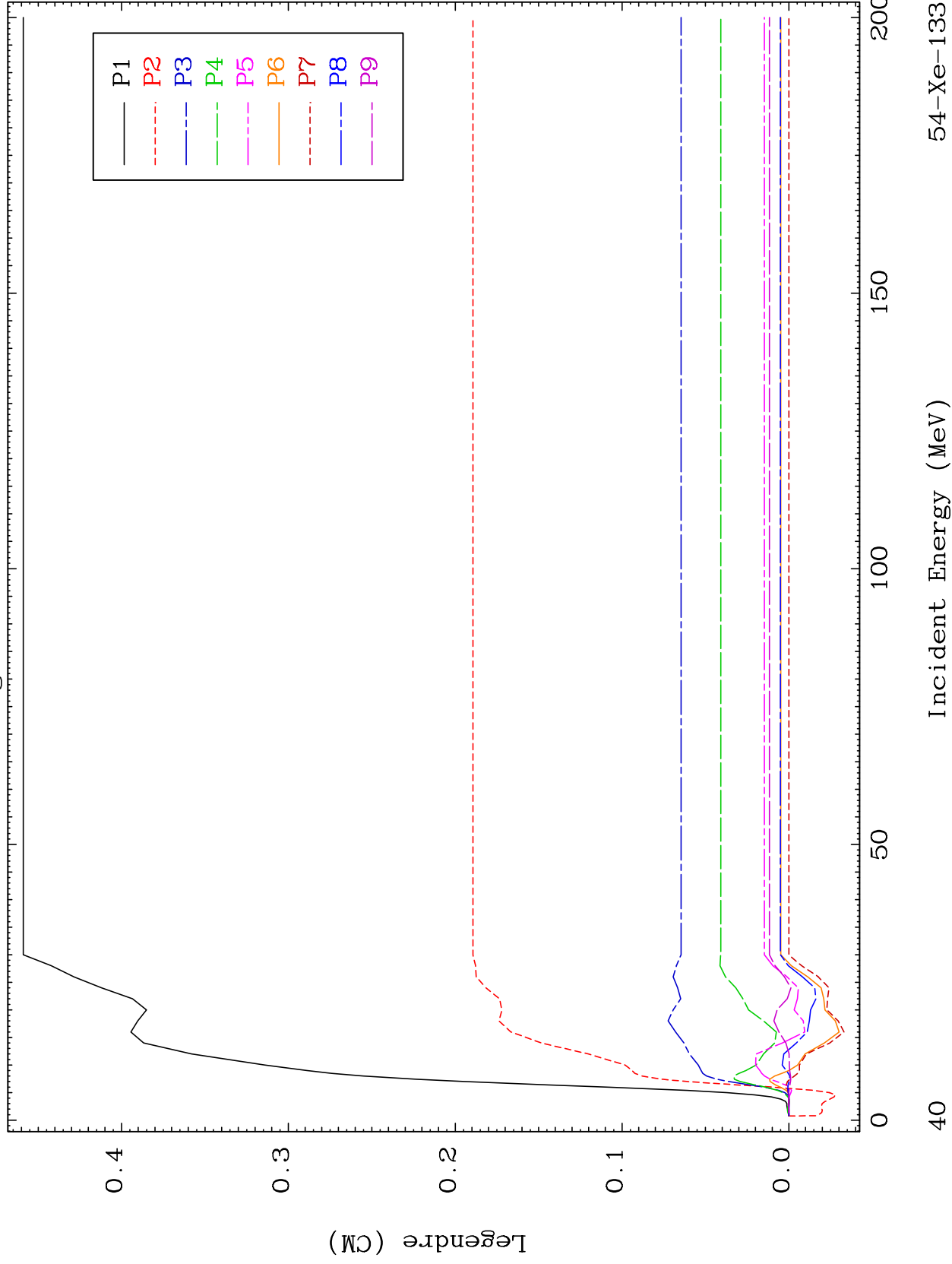
Incident Energy (MeV)

54-Xe-133

MAT 5452

743.8 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

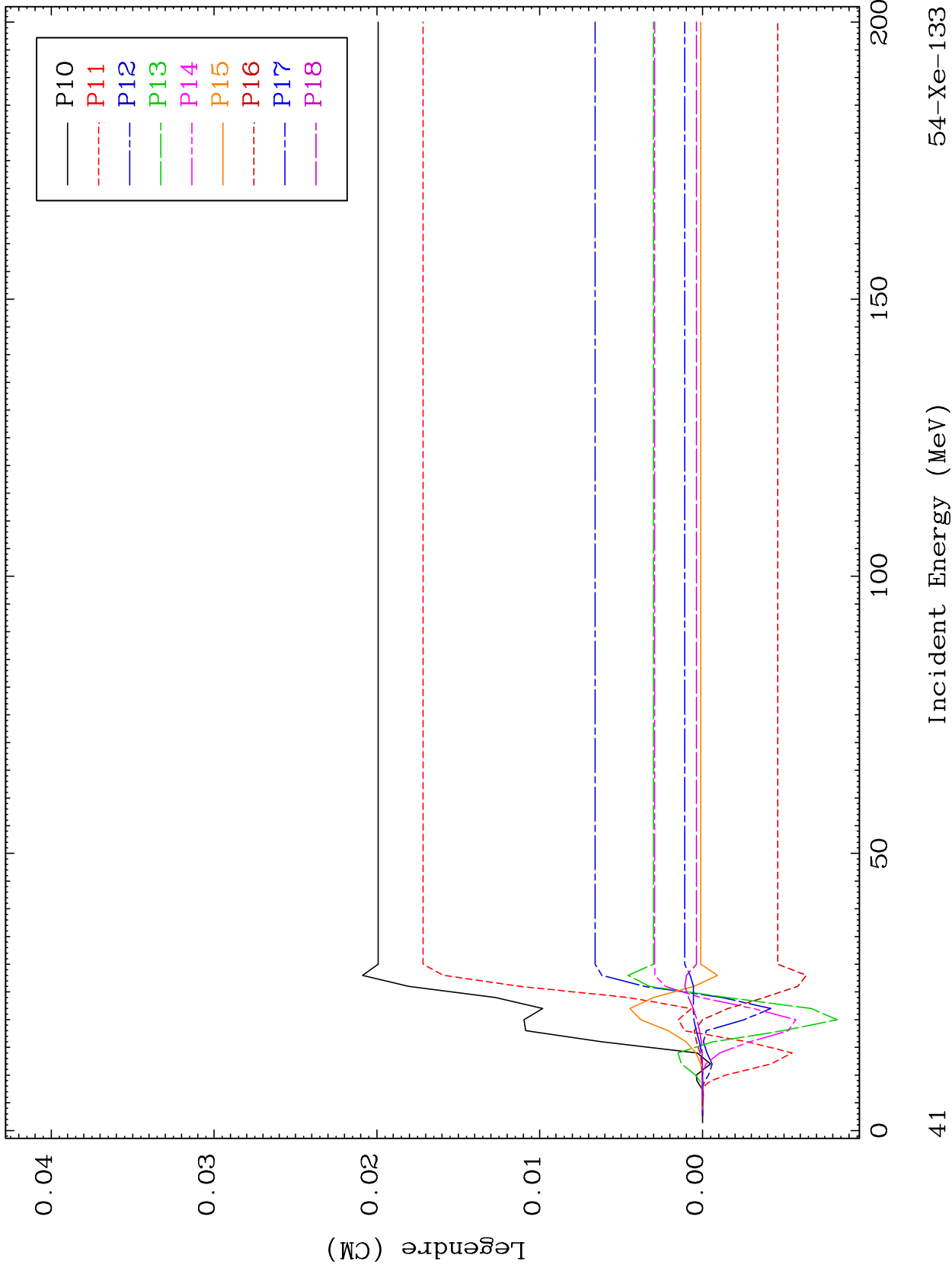
Incident Energy (MeV)

40

MAT 5452

743.8 keV (n, n') Level
Legendre Coefficients

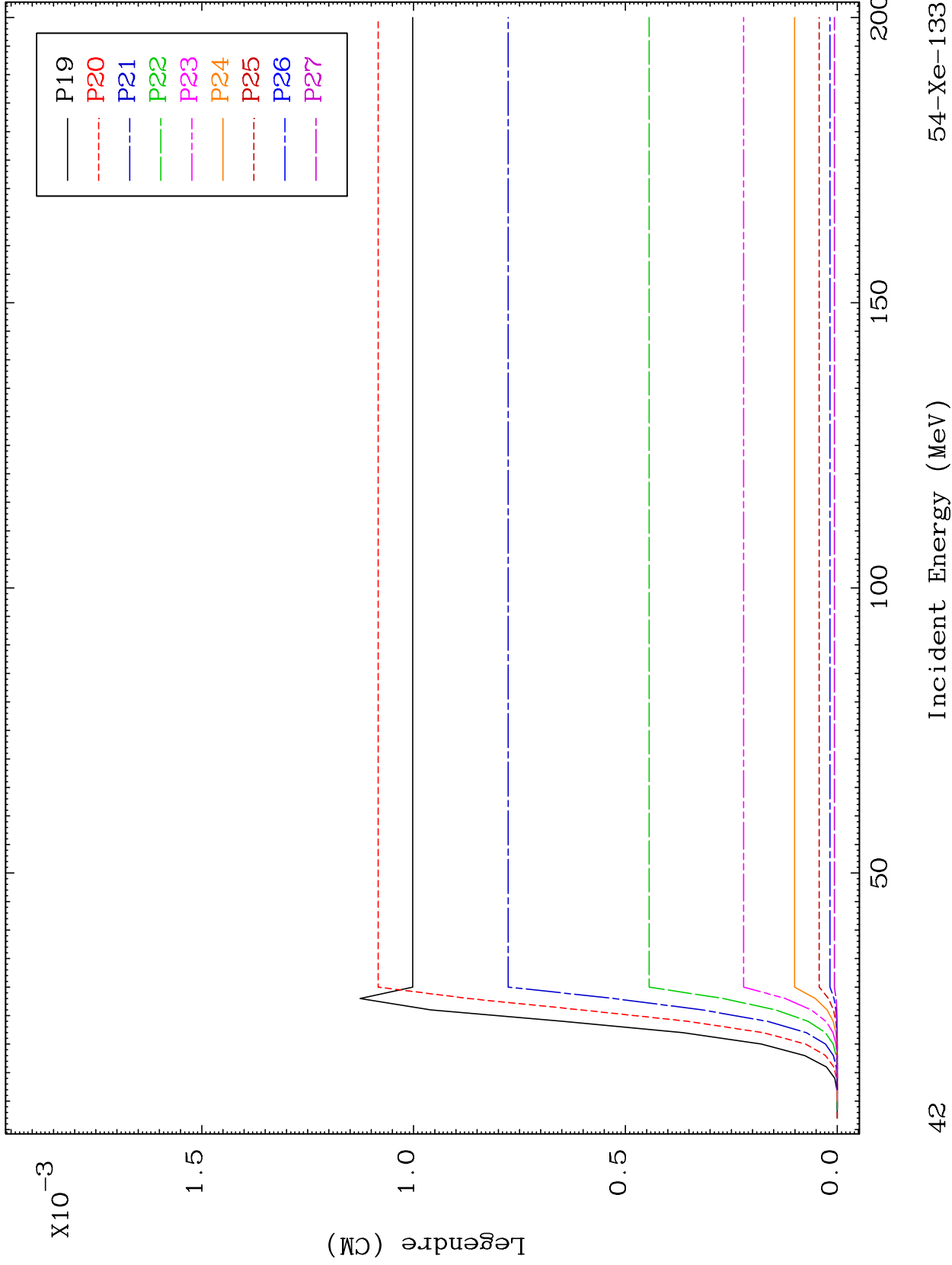
54-Xe-133



54-Xe-133

Incident Energy (MeV)

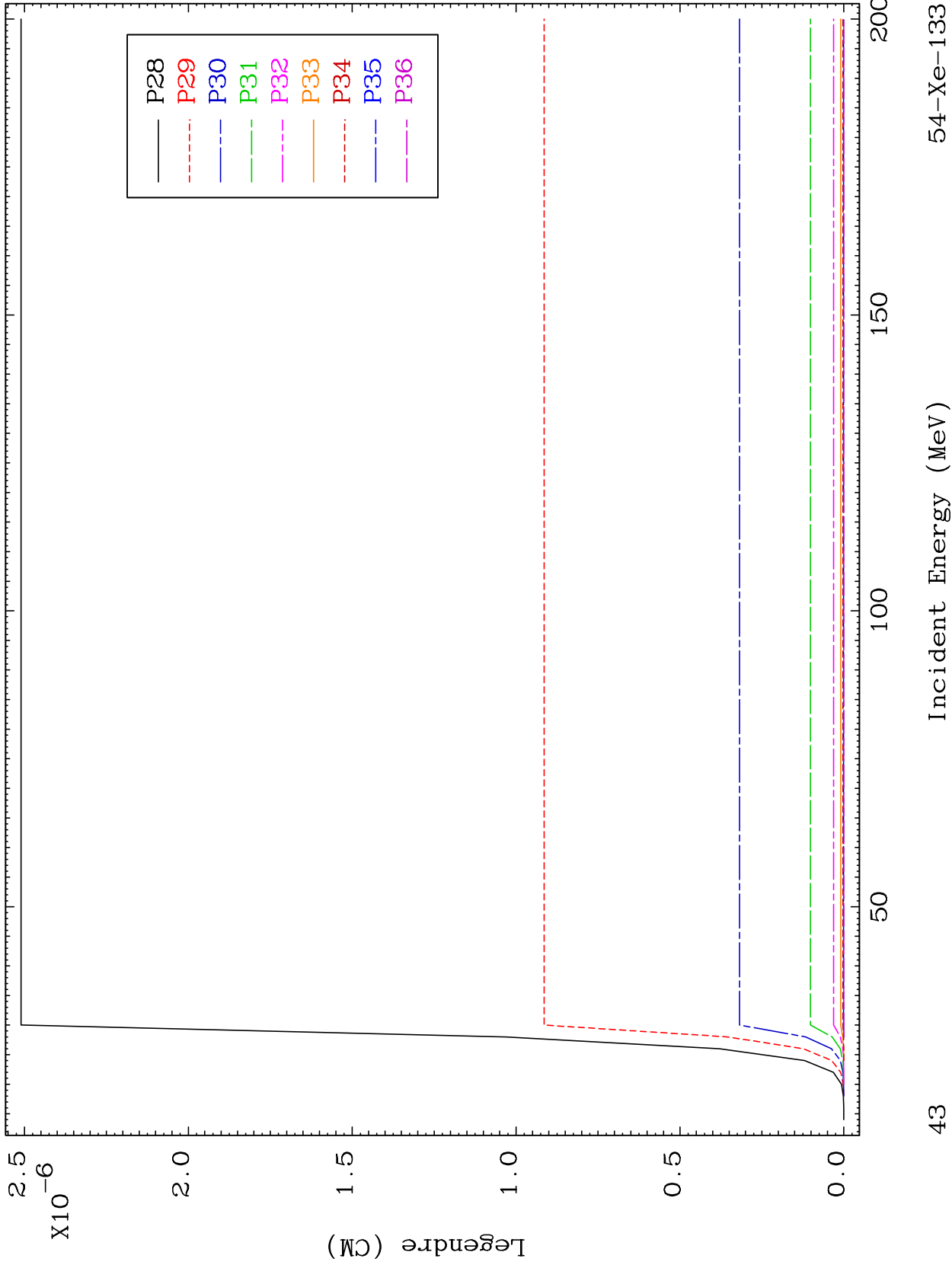
41



MAT 5452

743.8 keV (n, n') Level
Legendre Coefficients

54-Xe-133



43

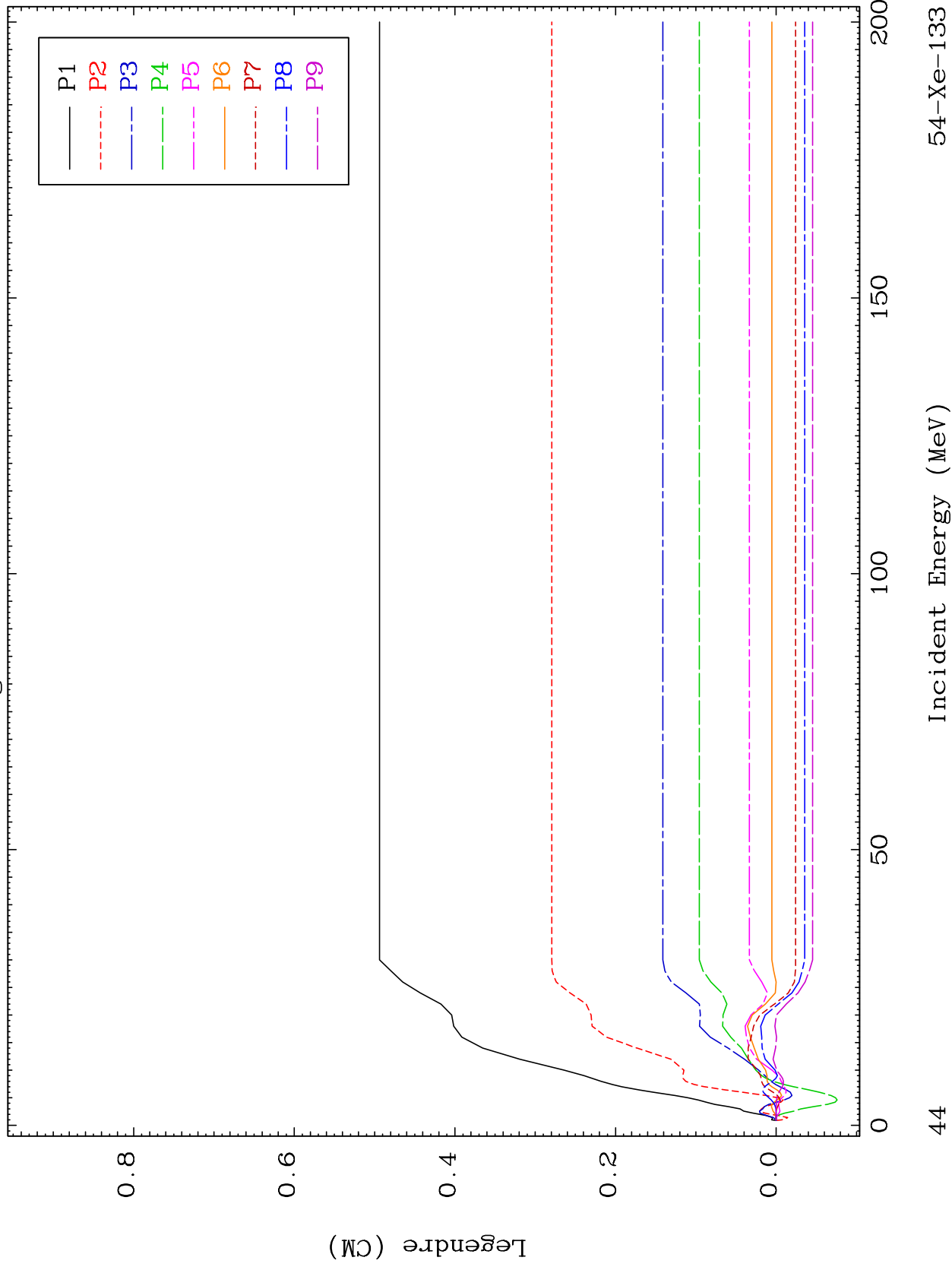
Incident Energy (MeV)

54-Xe-133

MAT 5452

875.3 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

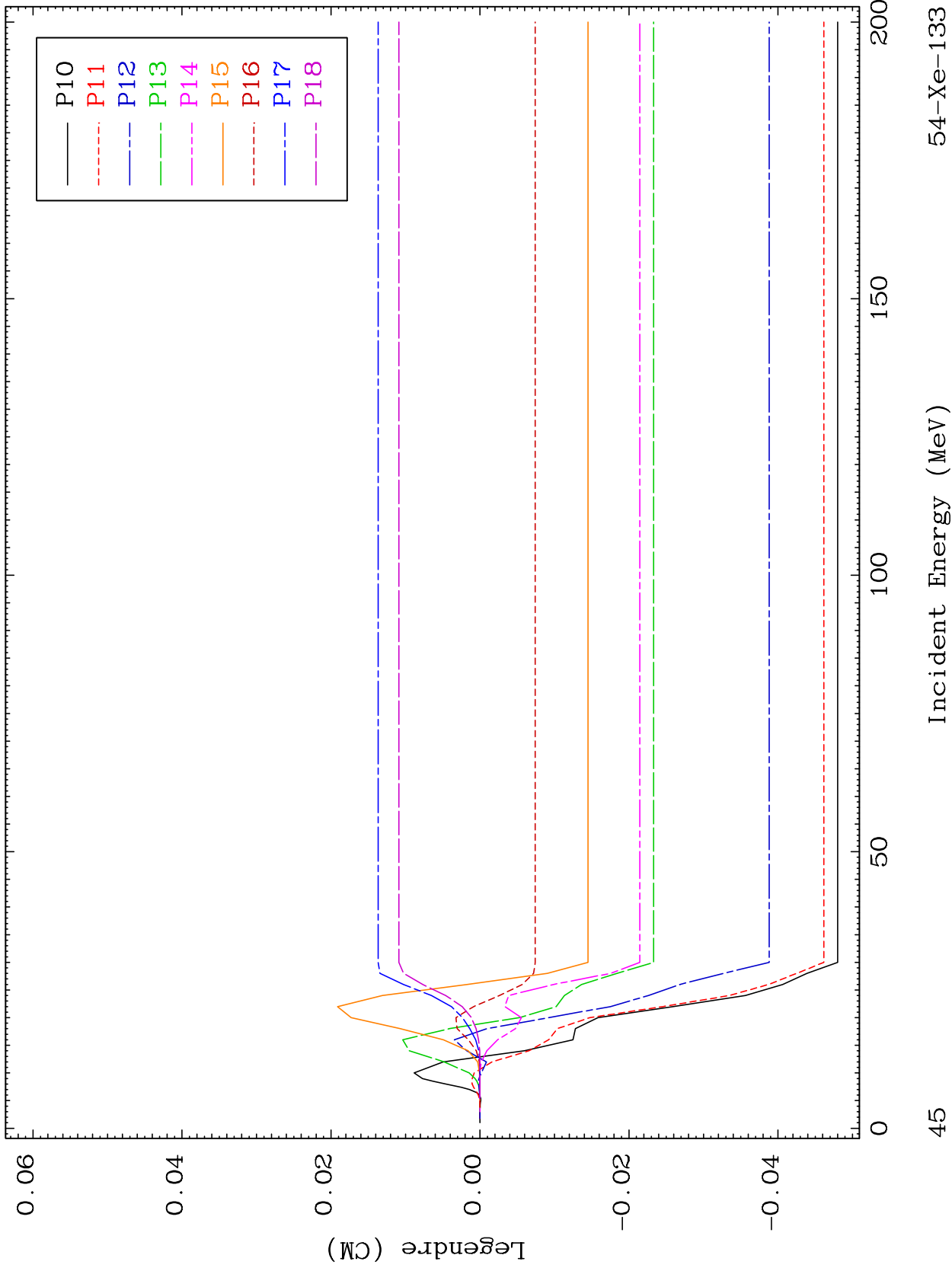
Incident Energy (MeV)

44

MAT 5452

875.3 keV (n,n') Level
Legendre Coefficients

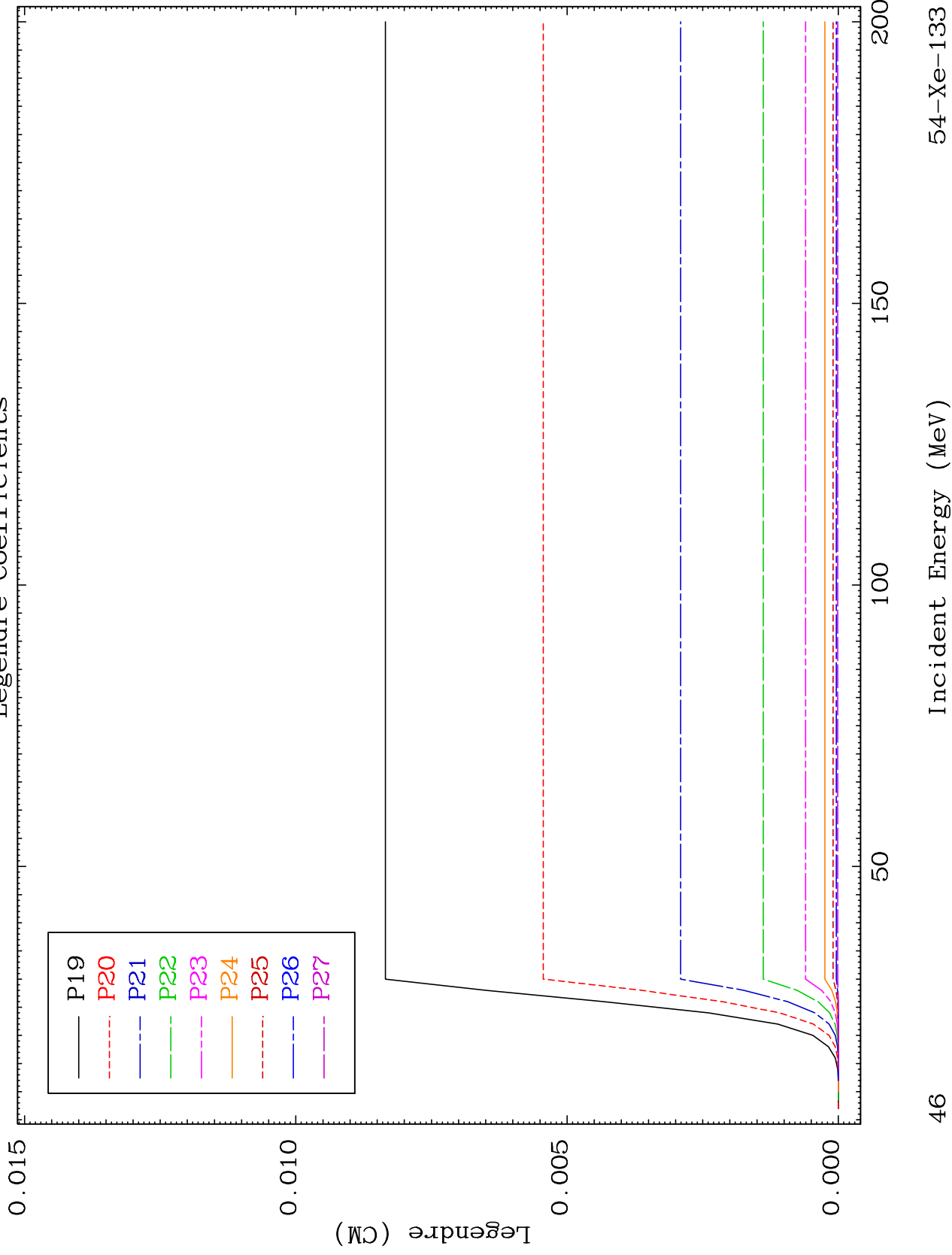
54-Xe-133



MAT 5452

875.3 keV (n,n') Level
Legendre Coefficients

54-Xe-133



46

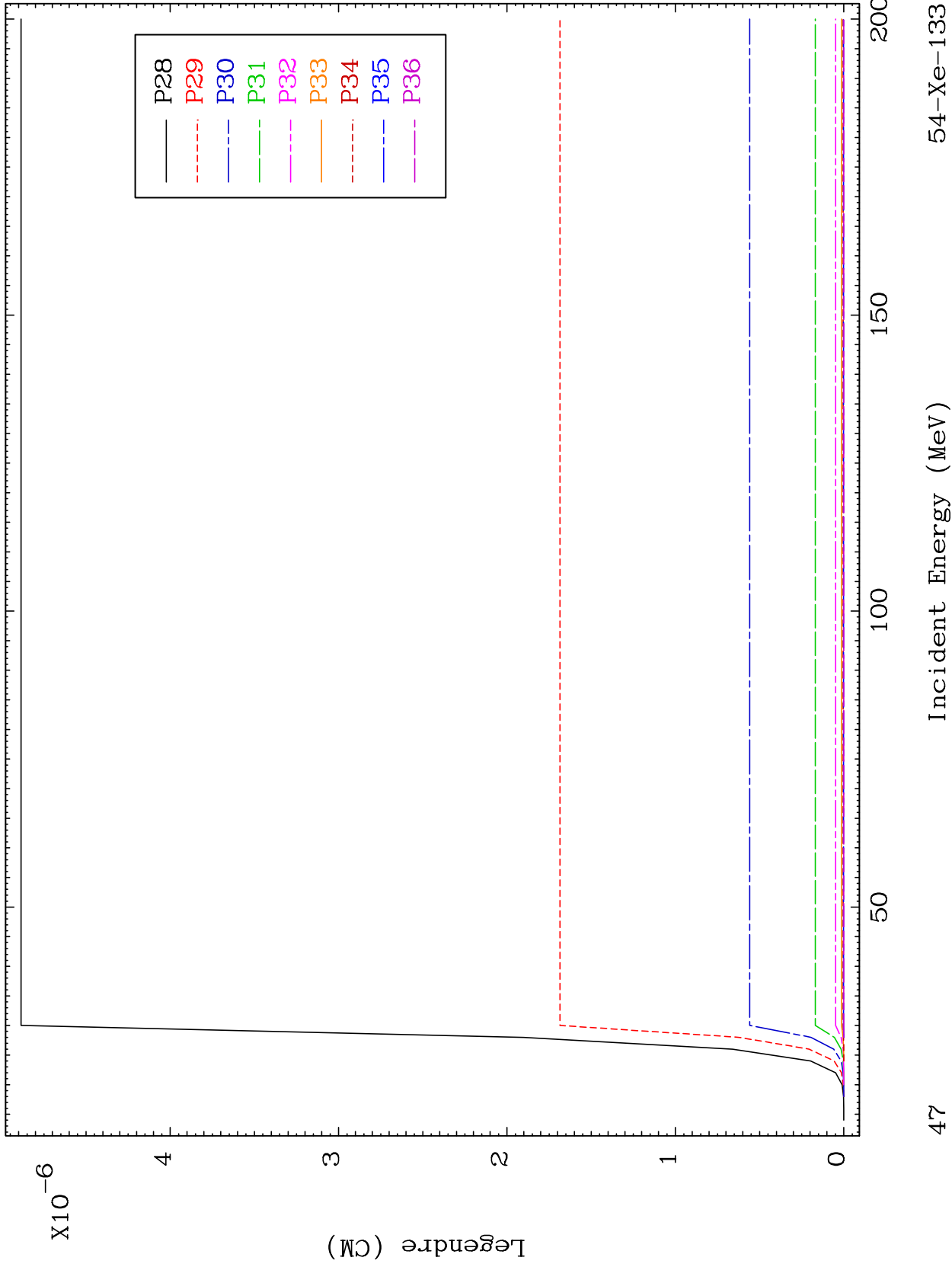
Incident Energy (MeV)

54-Xe-133

MAT 5452

875.3 keV (n, n') Level
Legendre Coefficients

54-Xe-133



47

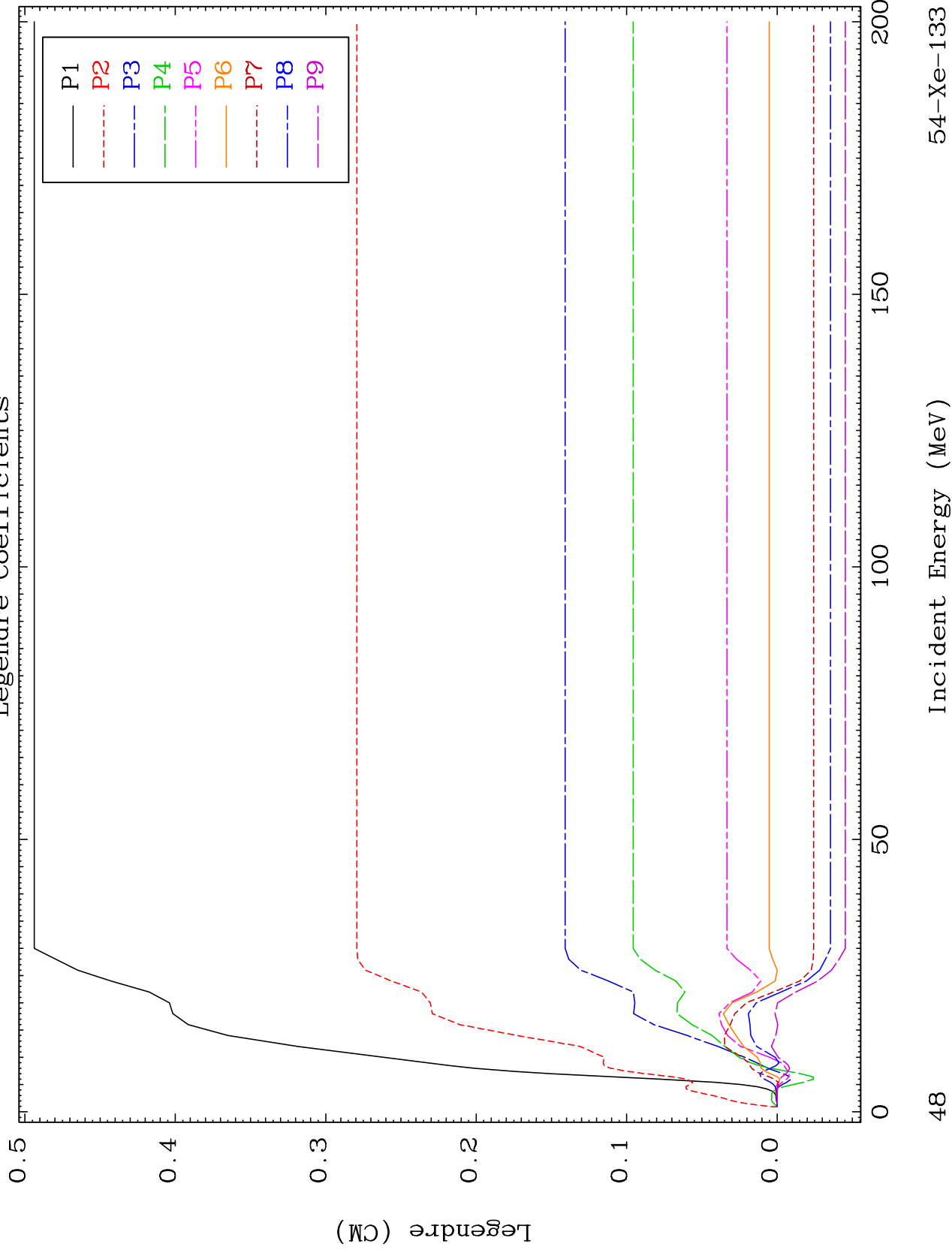
Incident Energy (MeV)

54-Xe-133

MAT 5452

911.4 keV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

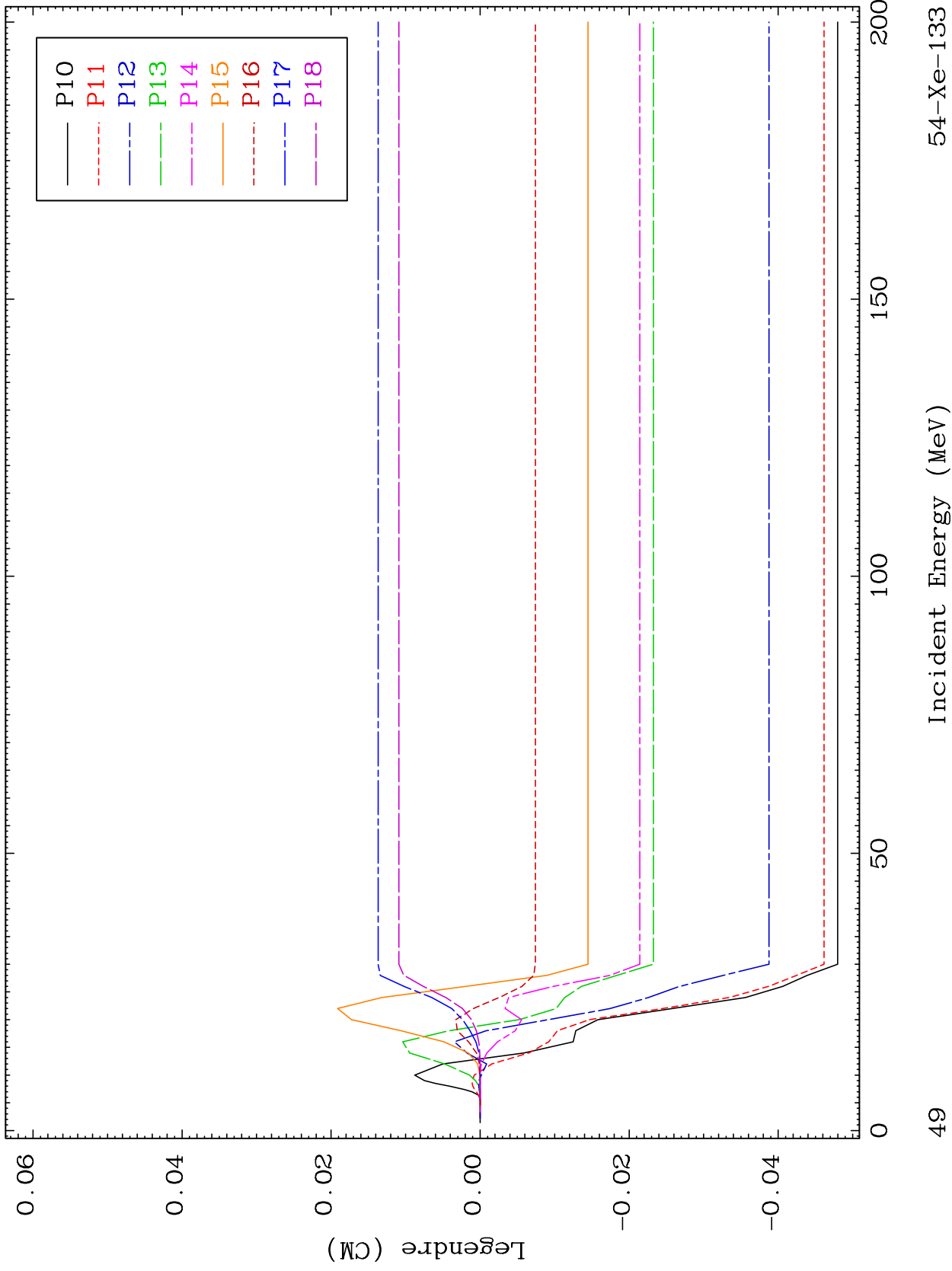
Incident Energy (MeV)

48

MAT 5452

911.4 keV (n,n') Level
Legendre Coefficients

54-Xe-133



49

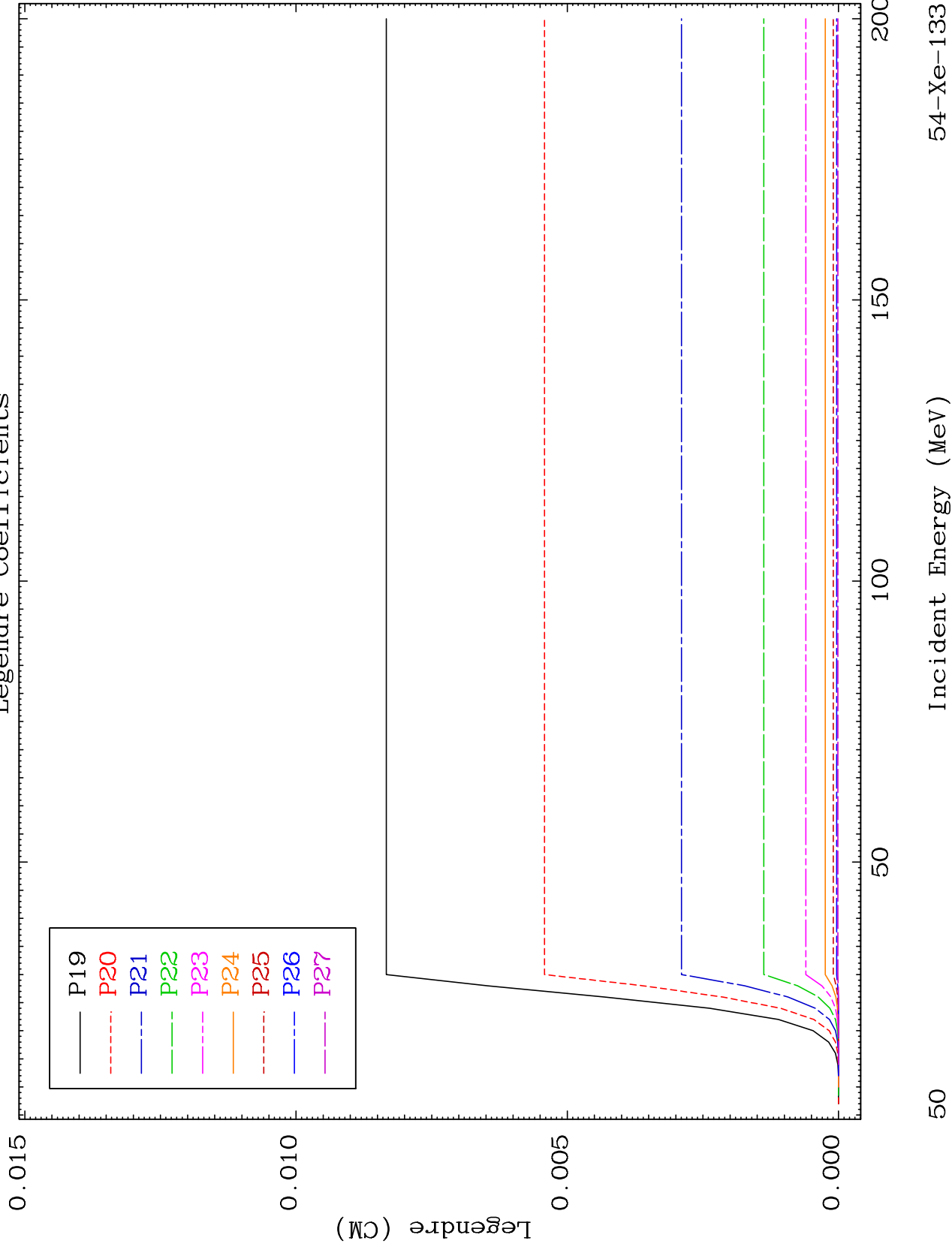
Incident Energy (MeV)

54-Xe-133

MAT 5452

911.4 keV (n,n') Level
Legendre Coefficients

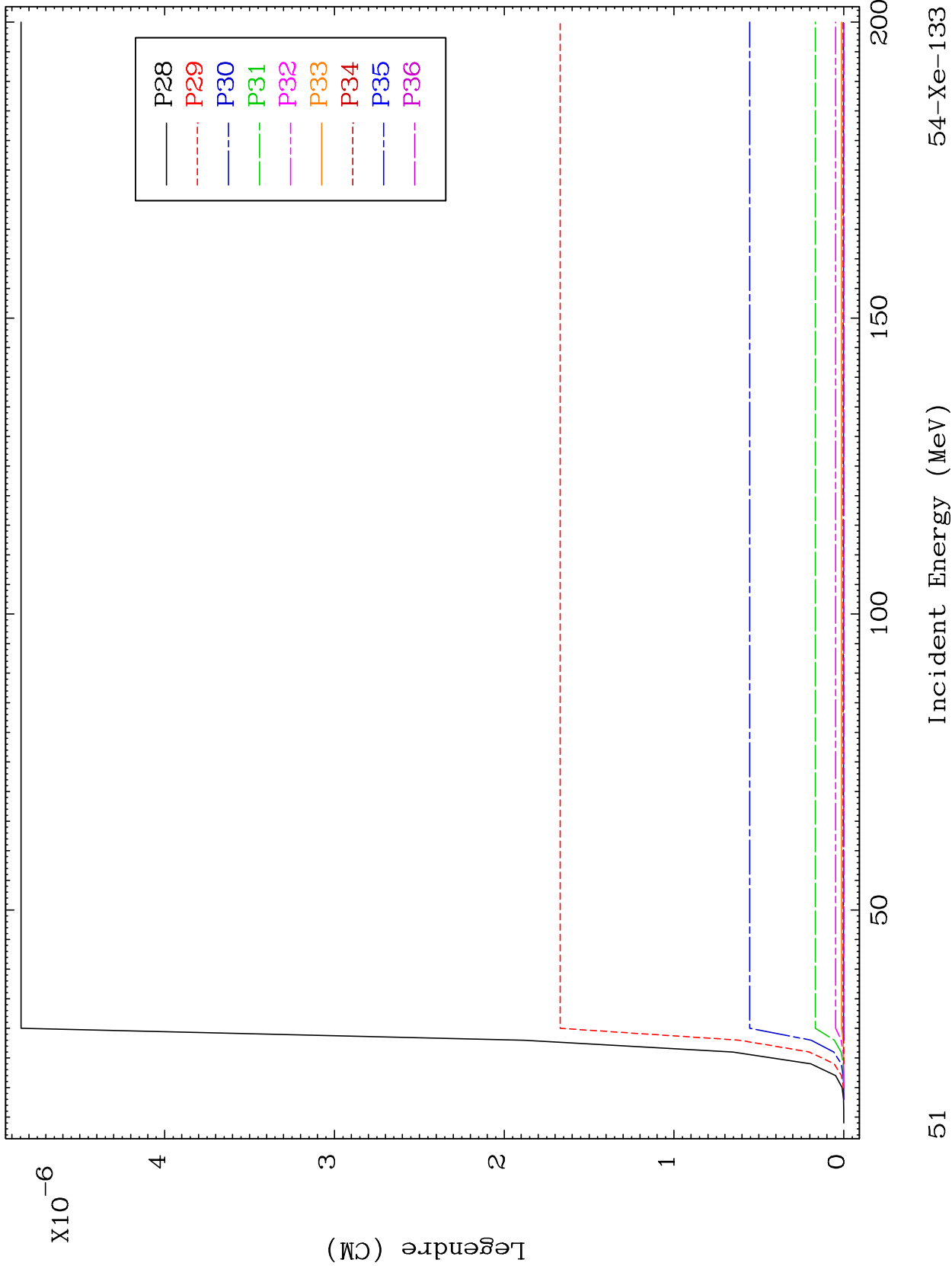
54-Xe-133



54-Xe-133

Incident Energy (MeV)

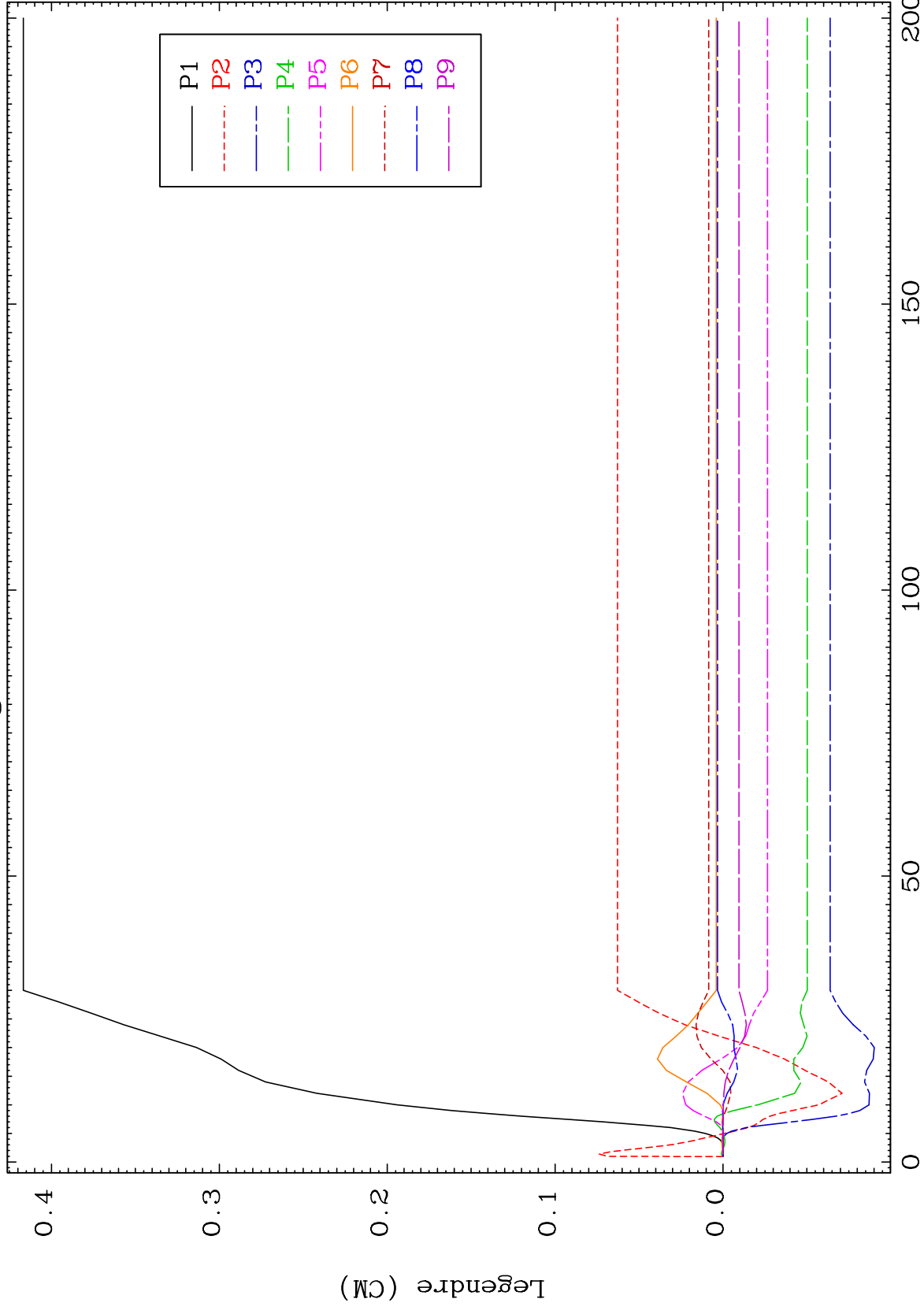
50



MAT 5452

928.5 keV (n,n') Level
Legendre Coefficients

54-Xe-133



52

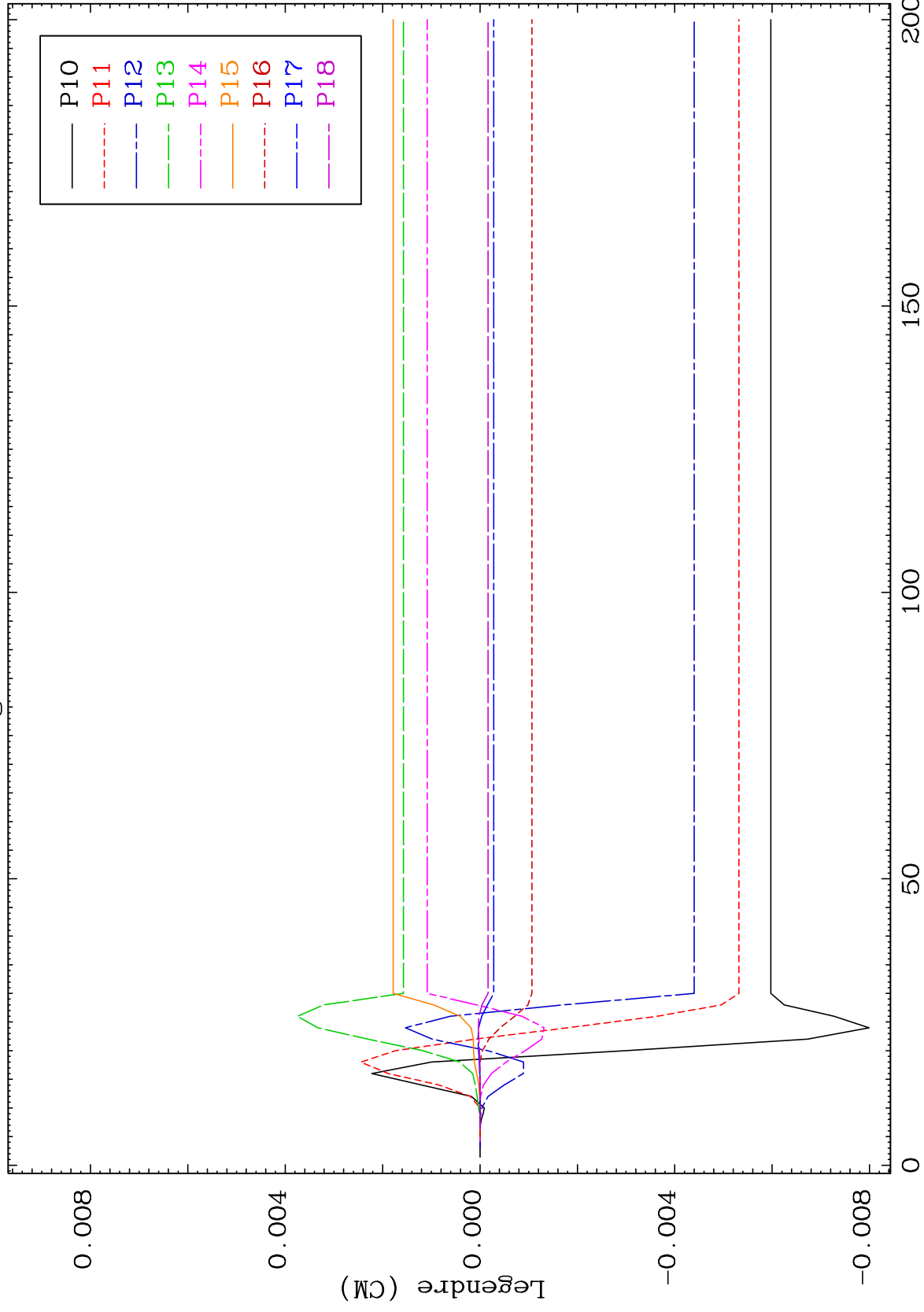
Incident Energy (MeV)

54-Xe-133

MAT 5452

928.5 keV (n,n') Level
Legendre Coefficients

54-Xe-133



53

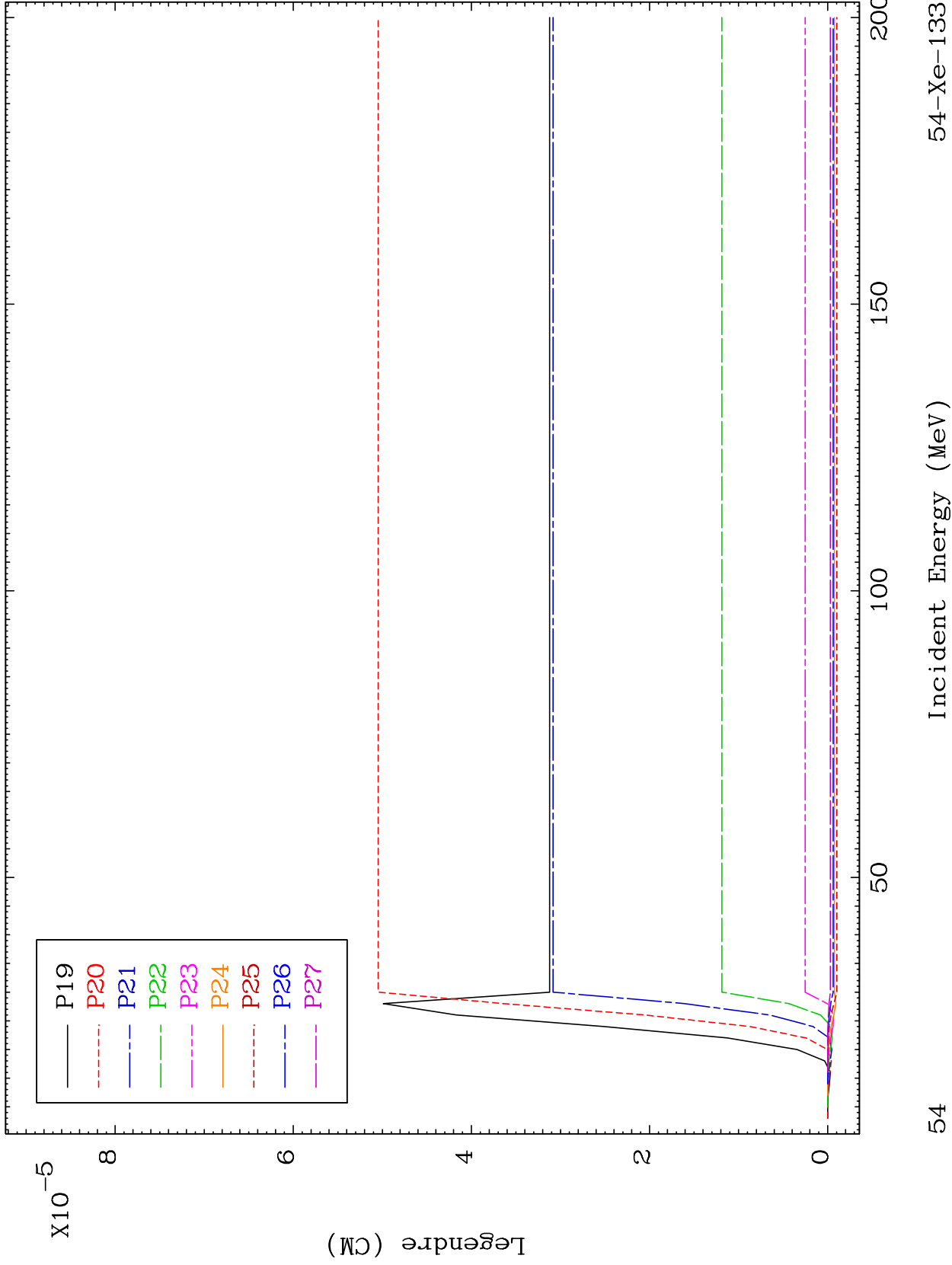
Incident Energy (MeV)

54-Xe-133

MAT 5452

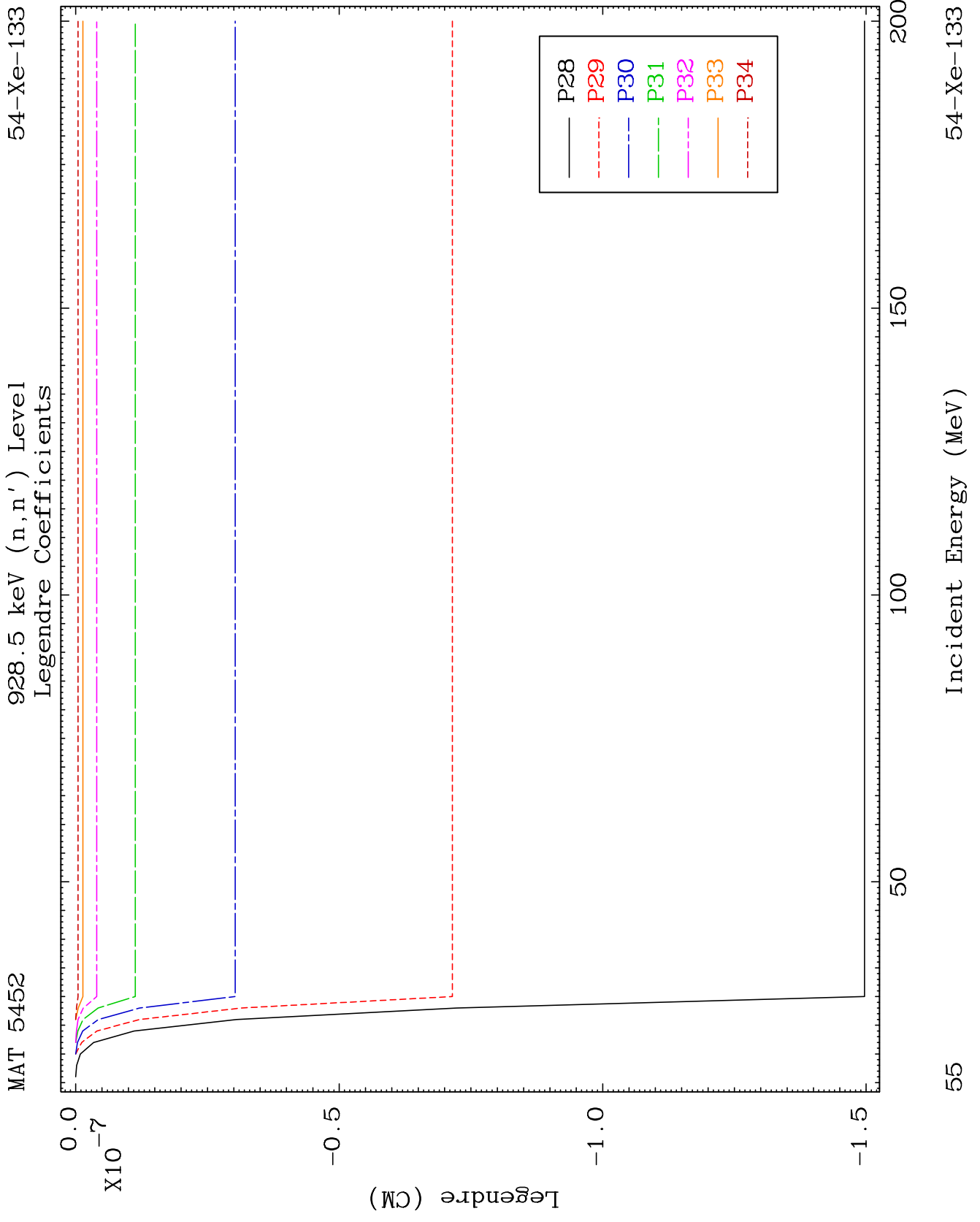
928.5 keV (n,n') Level
Legendre Coefficients

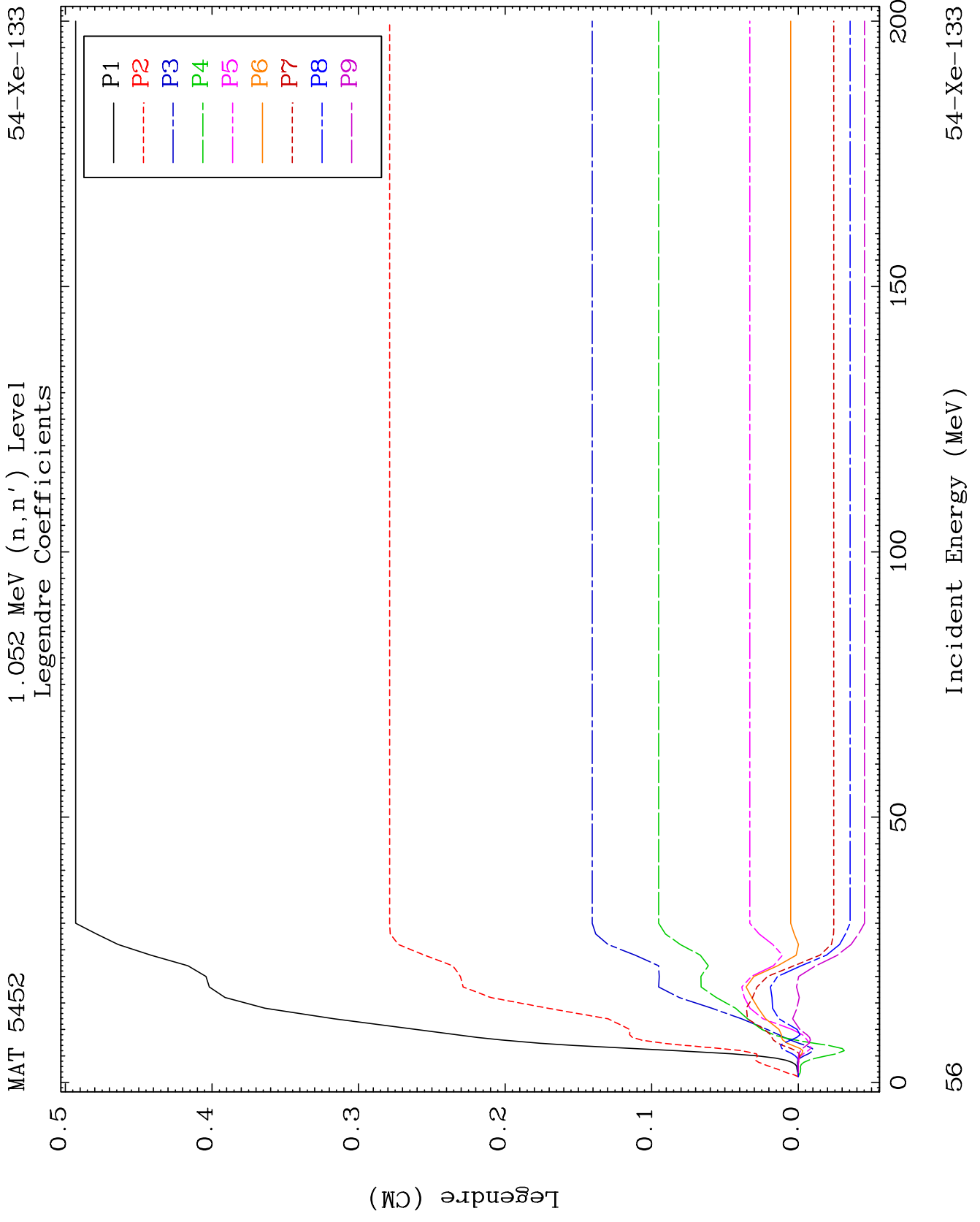
54-Xe-133

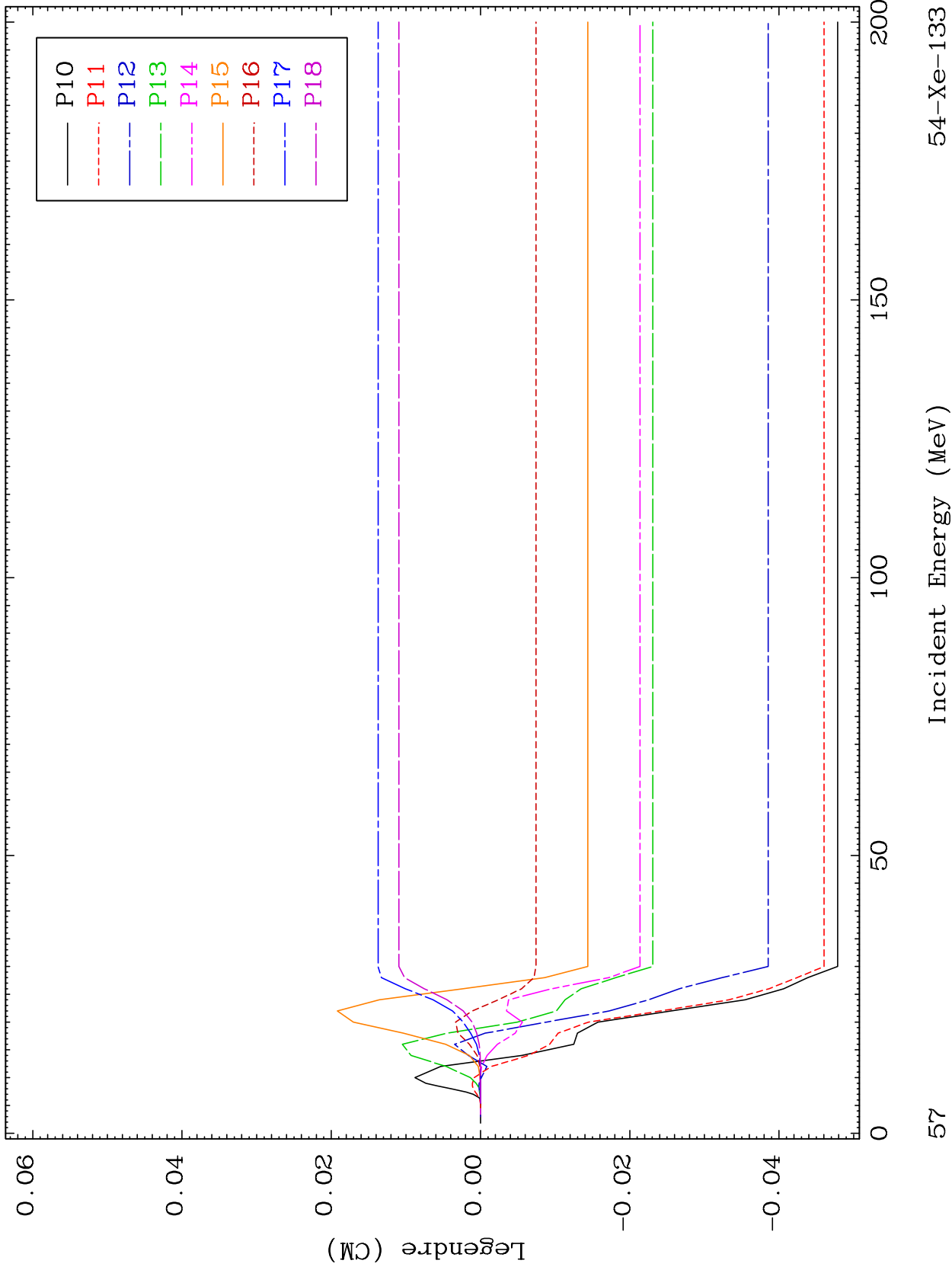


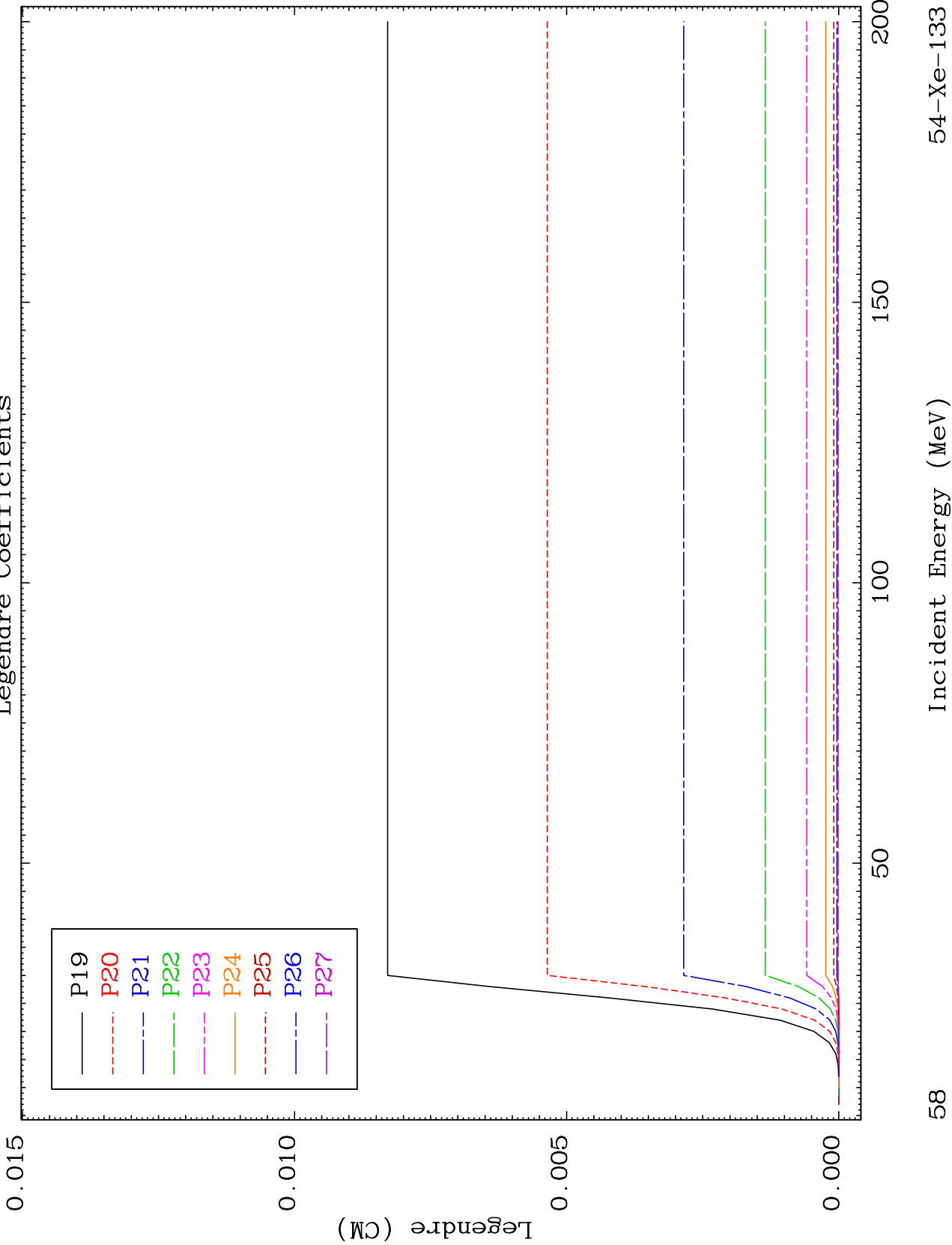
54

54-Xe-133





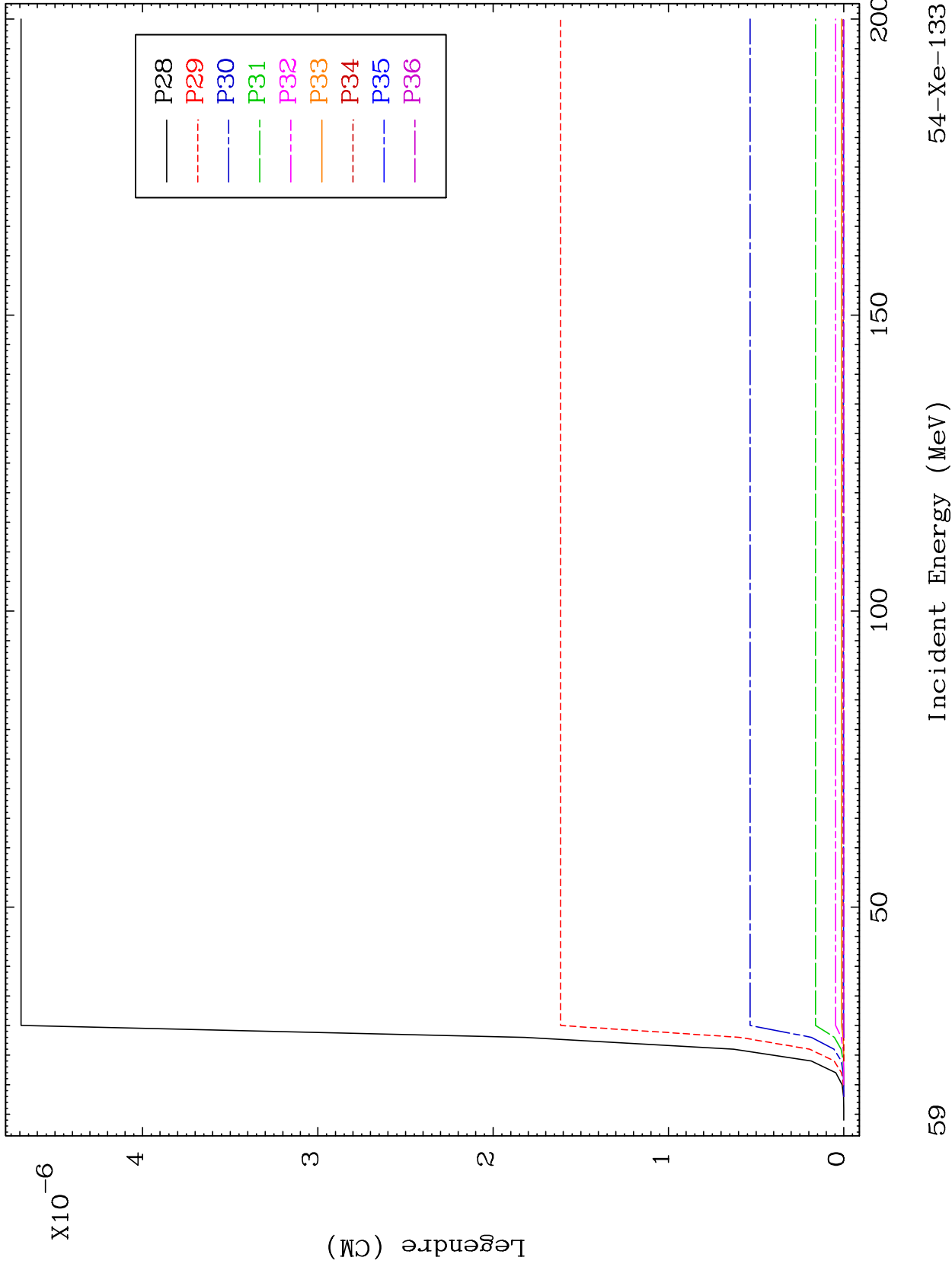




MAT 5452

1.052 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



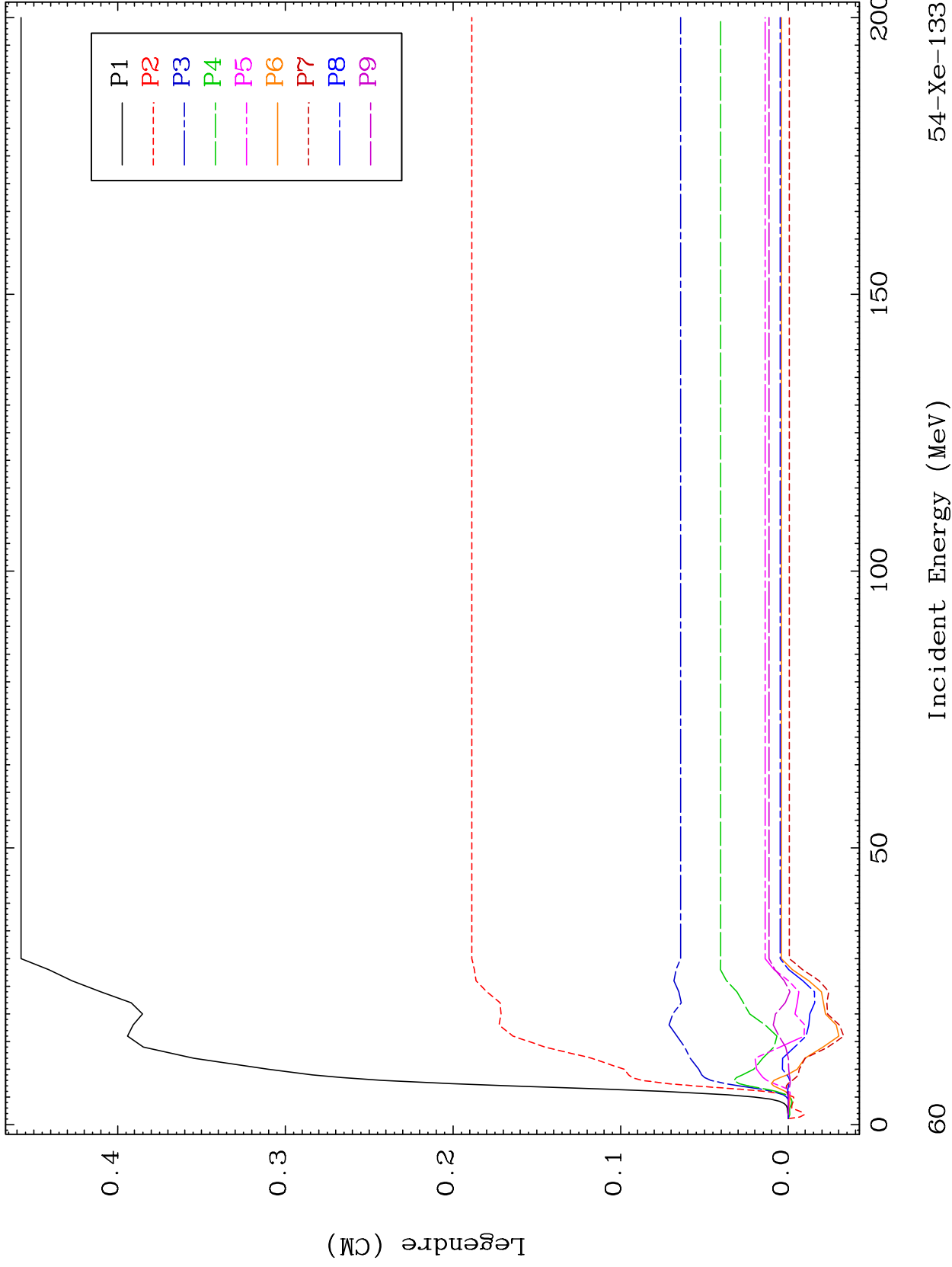
59

54-Xe-133

MAT 5452

1.071 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

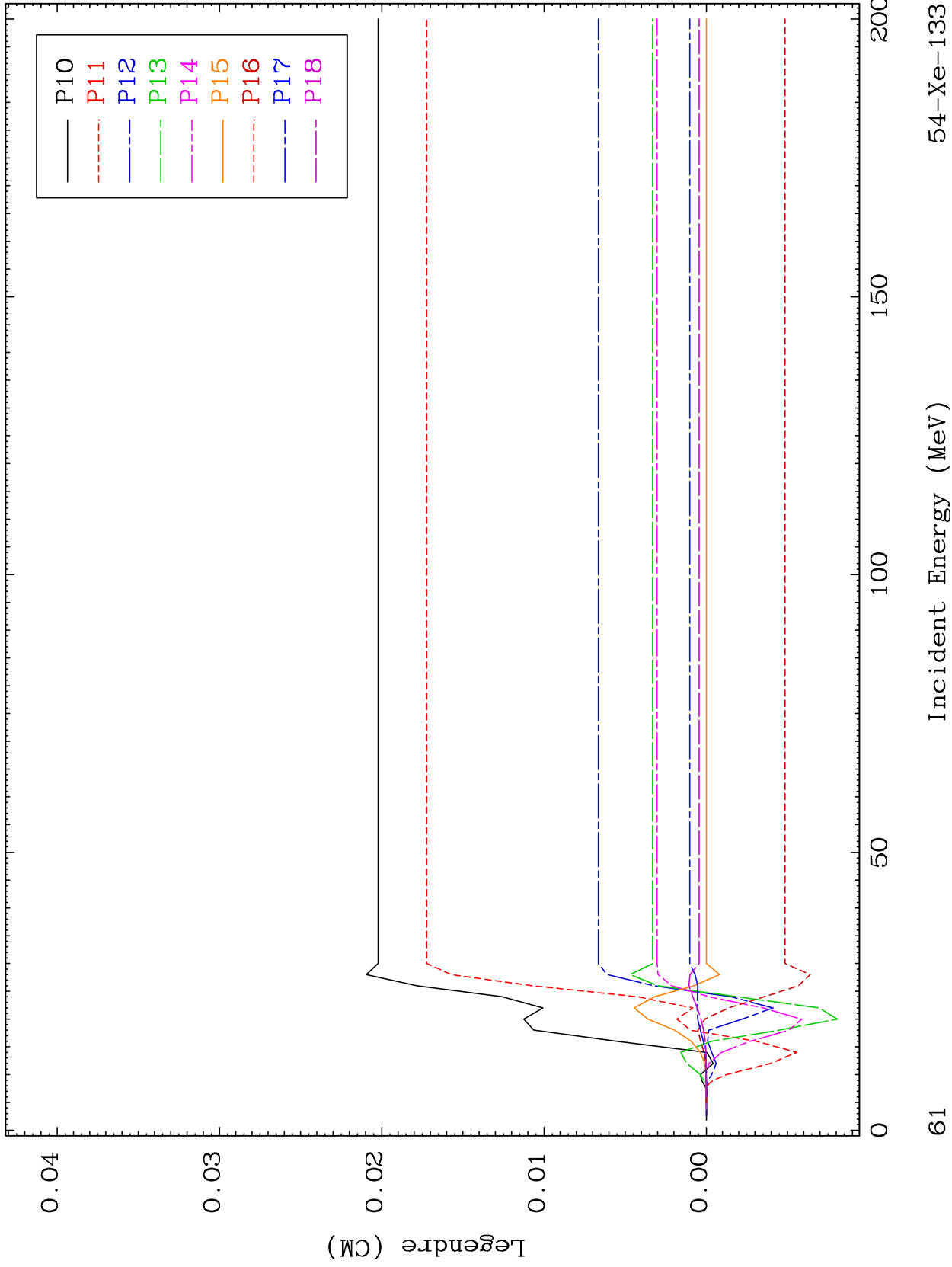


54-Xe-133

MAT 5452

1.071 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

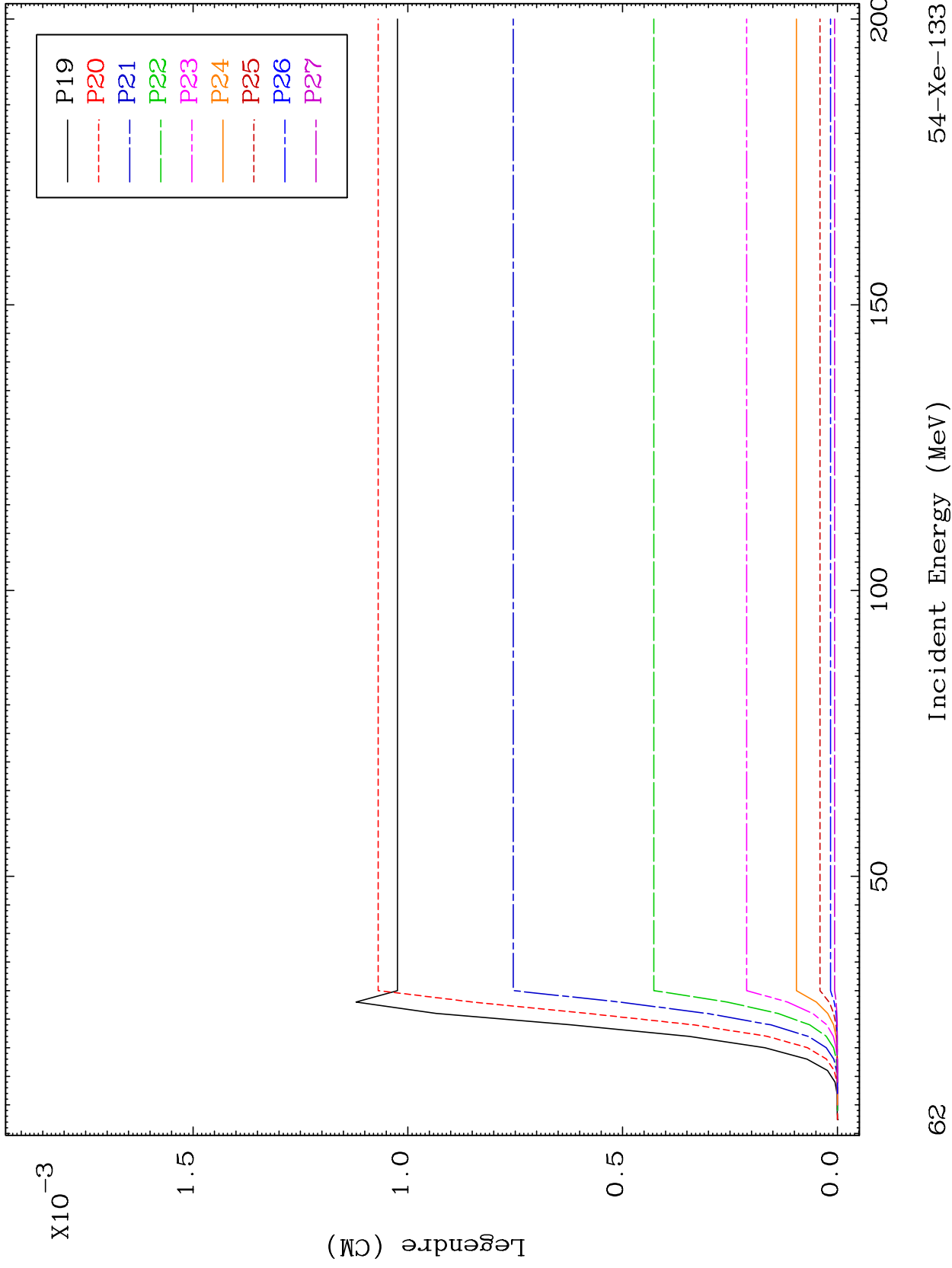
Incident Energy (MeV)

61

MAT 5452

1.071 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



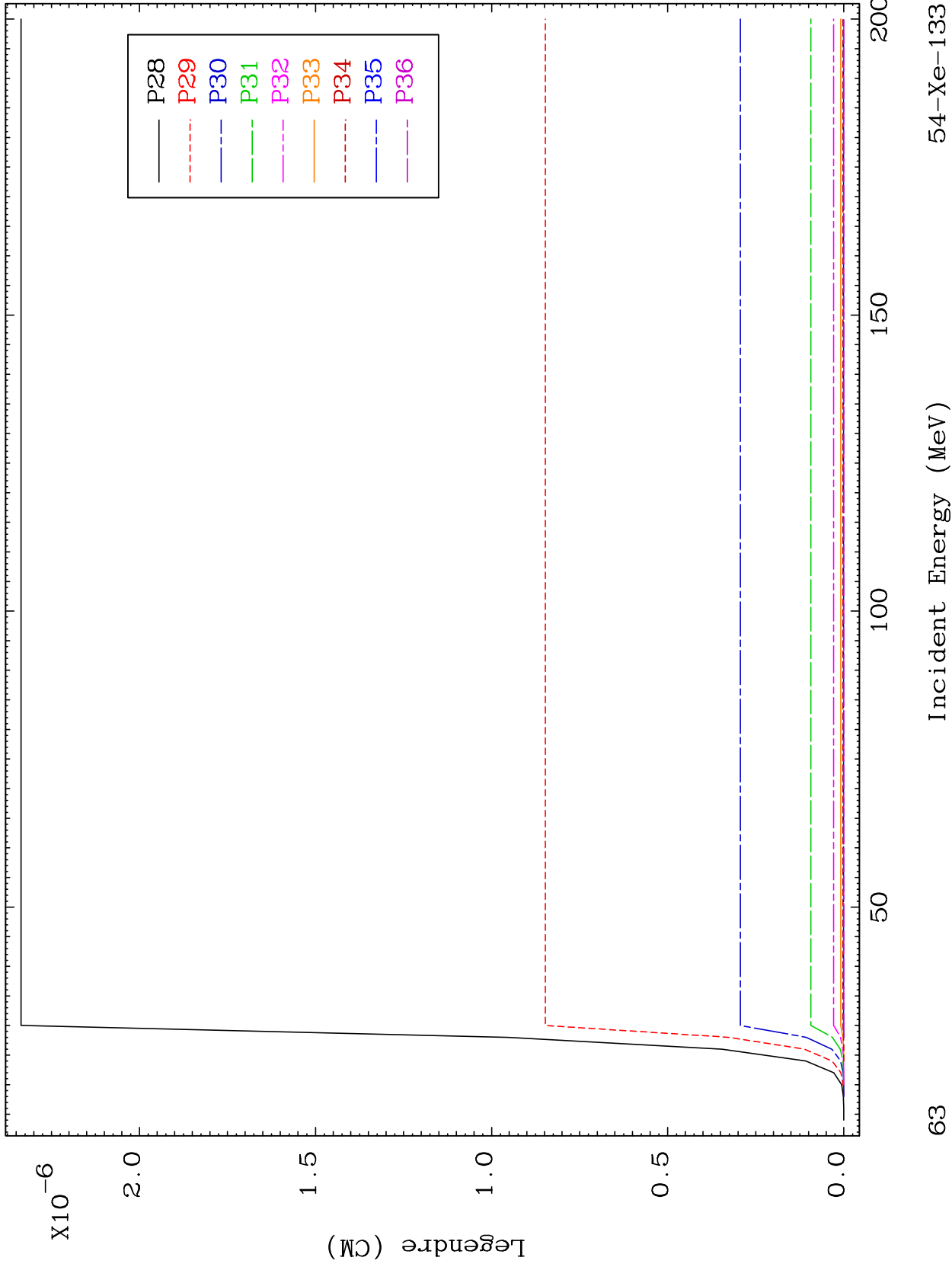
62

54-Xe-133

MAT 5452

1.071 MeV (n, n') Level
Legendre Coefficients

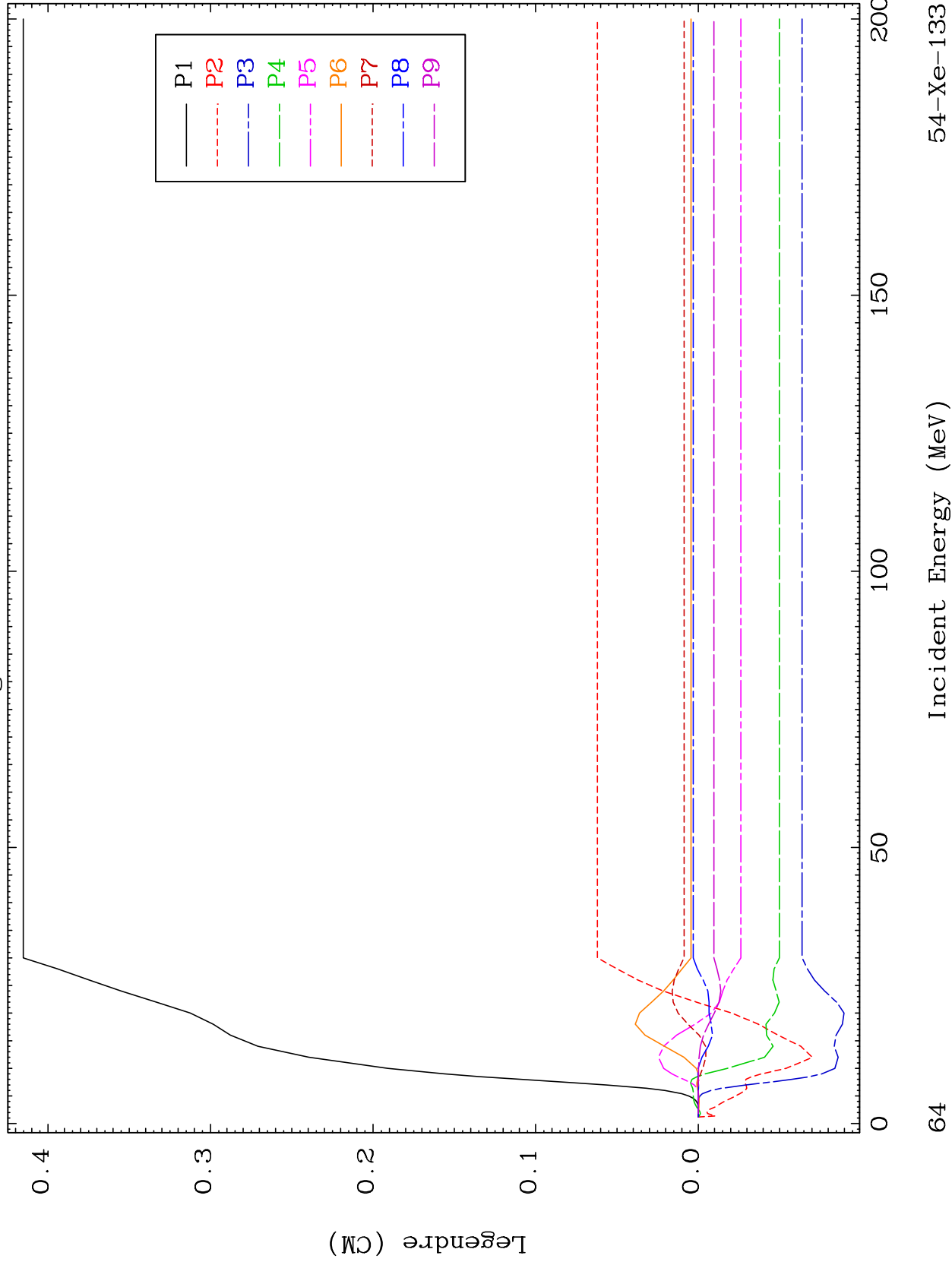
54-Xe-133



MAT 5452

1.170 MeV (n,n') Level
Legendre Coefficients

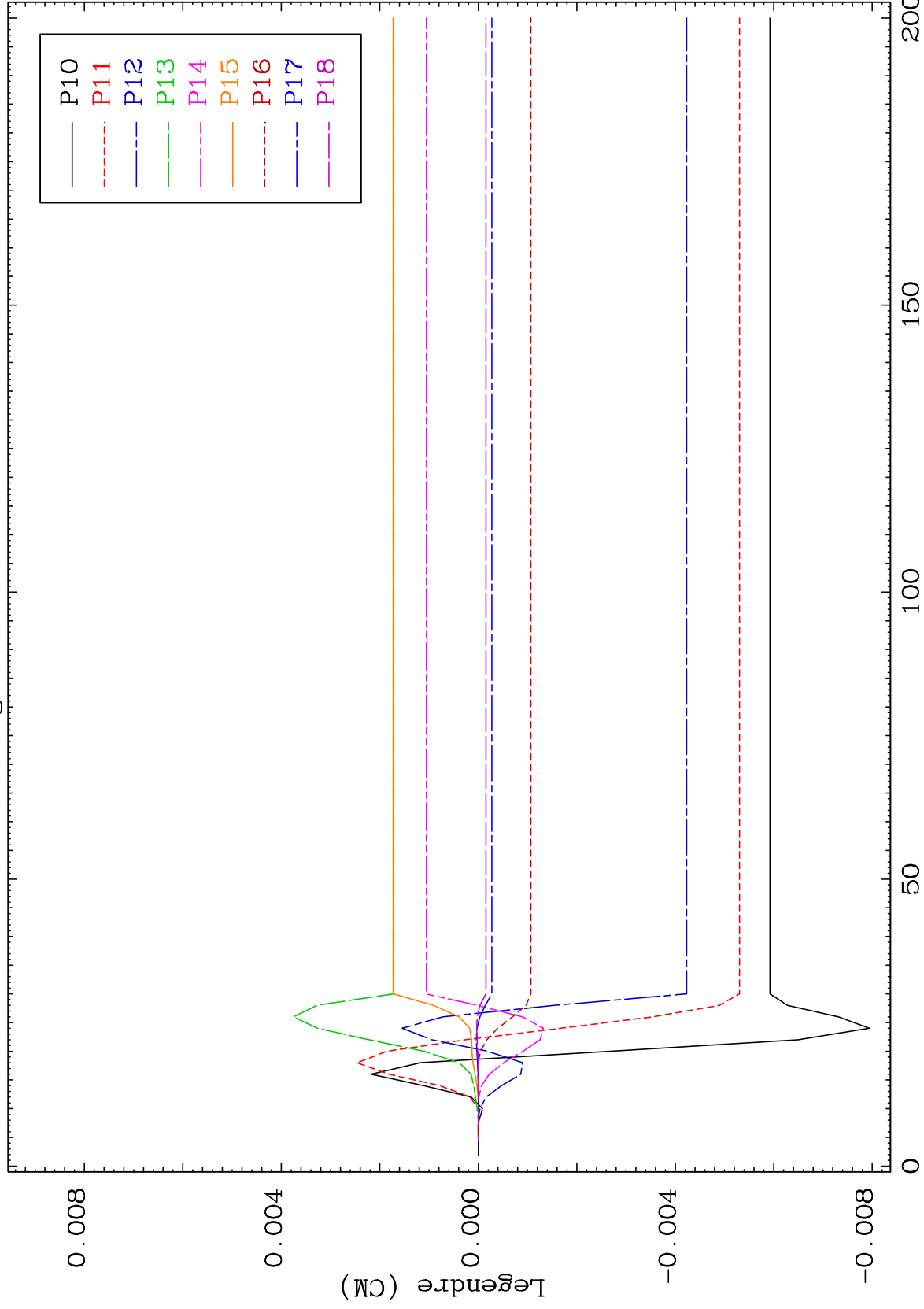
54-Xe-133



MAT 5452

1.170 MeV (n,n') Level
Legendre Coefficients

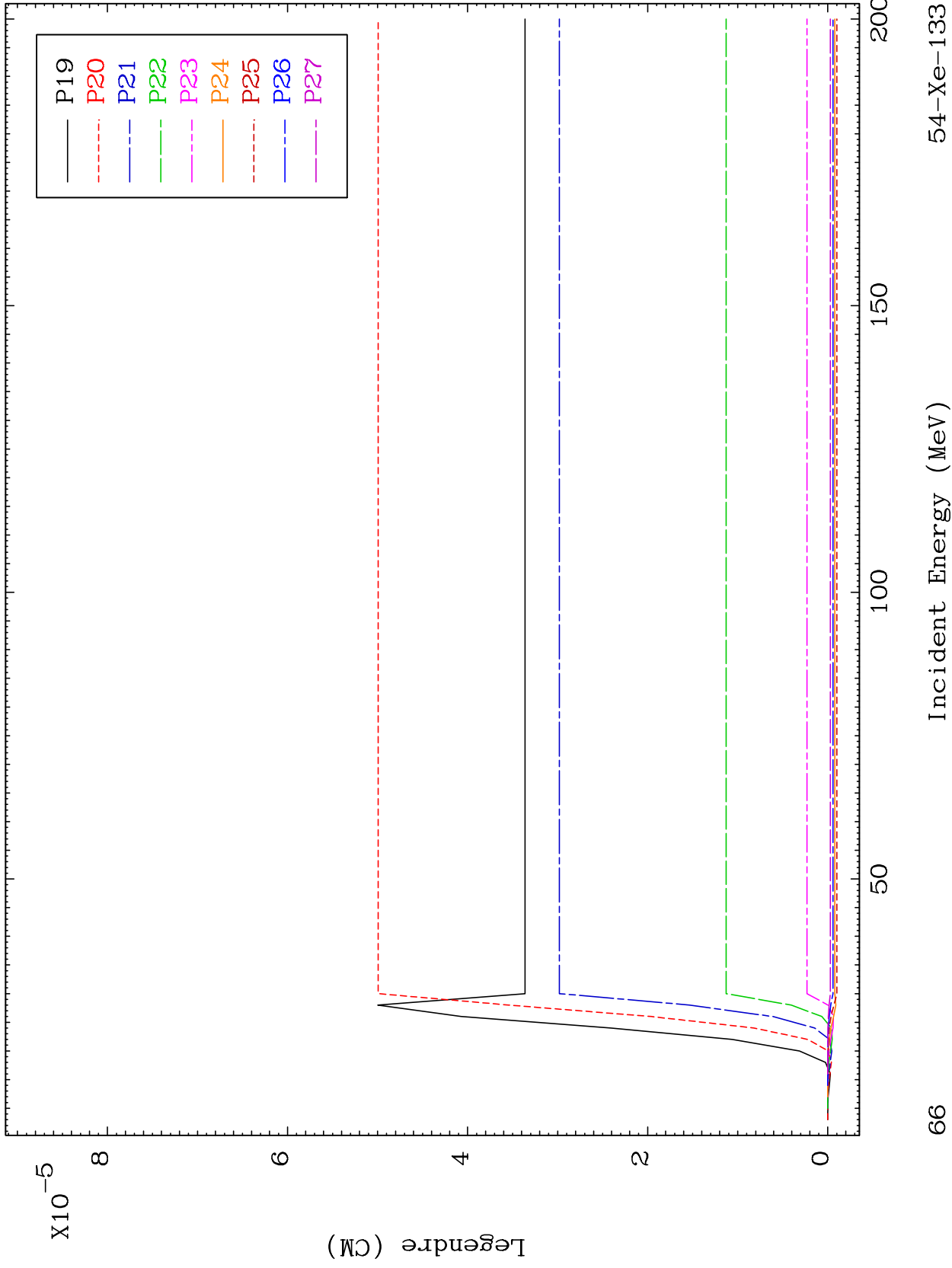
54-Xe-133

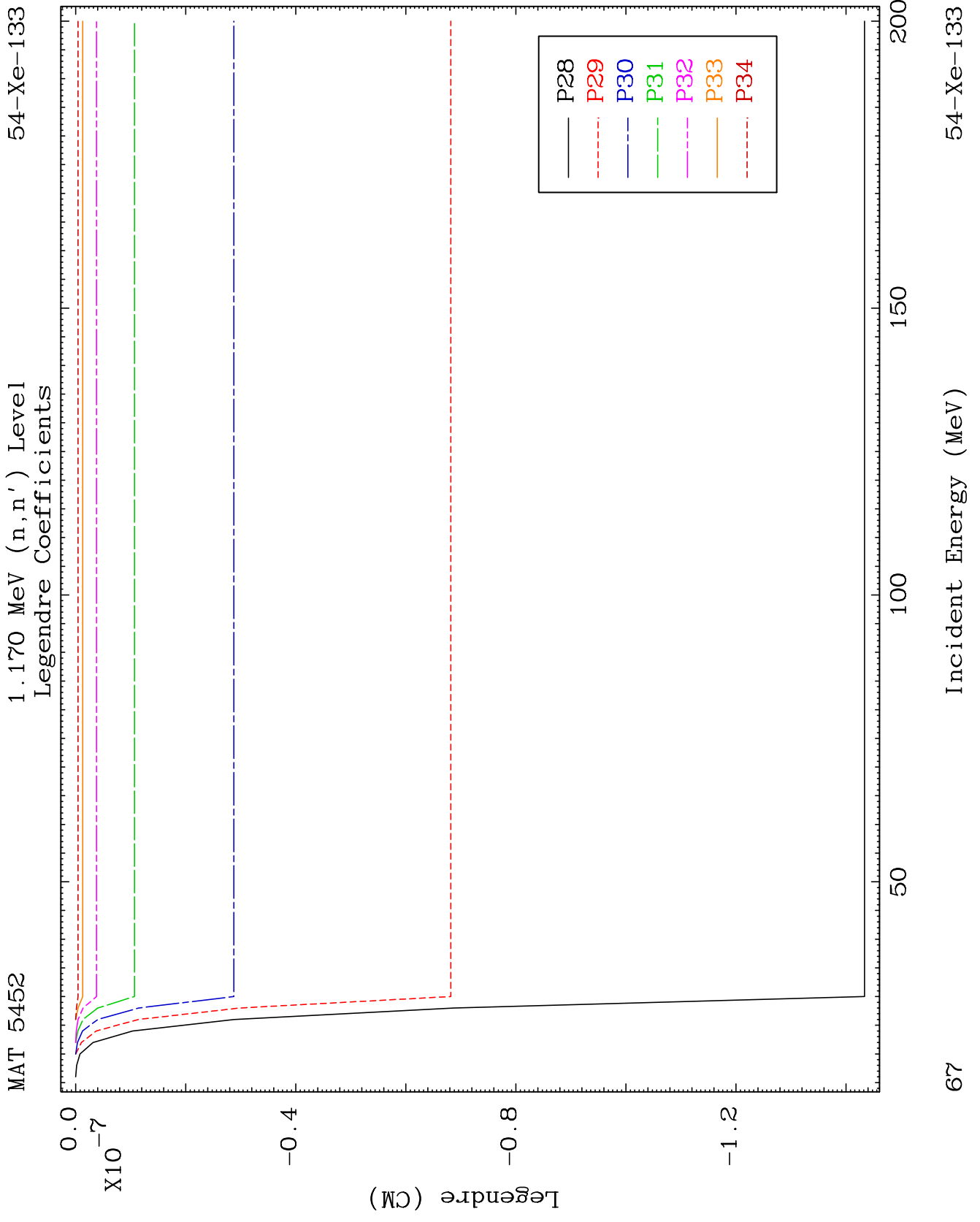


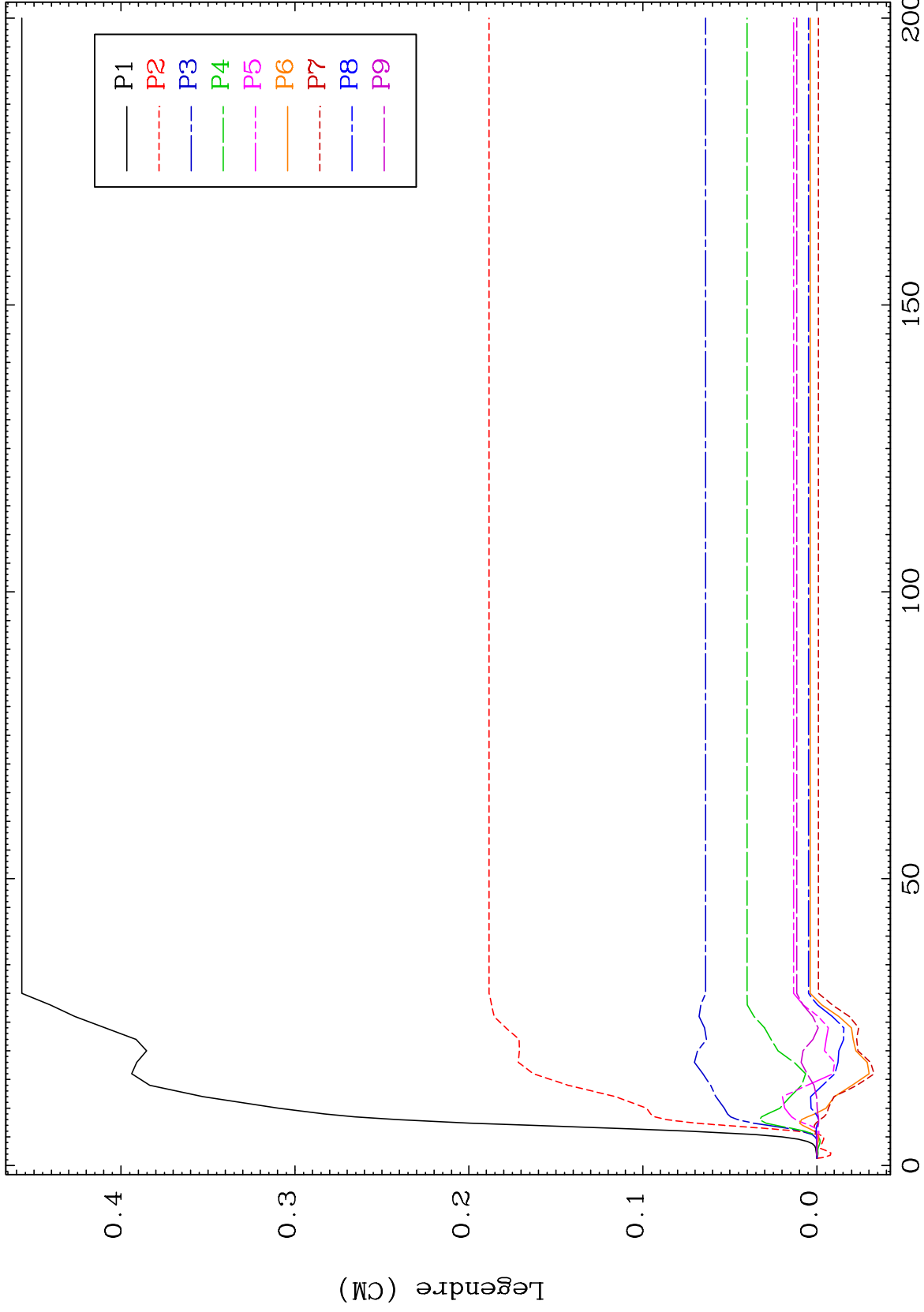
65

Incident Energy (MeV)

54-Xe-133



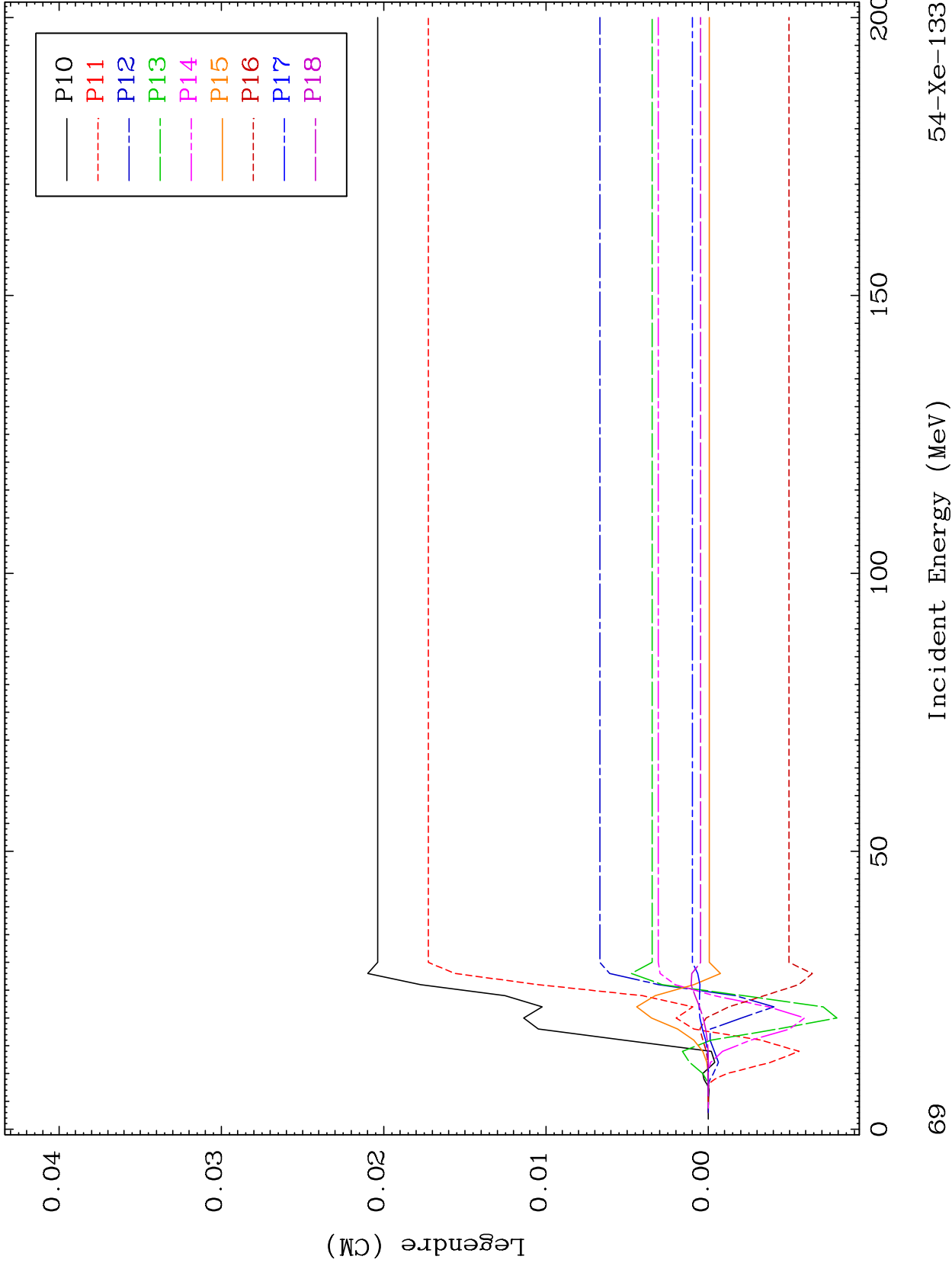




MAT 5452

1.236 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

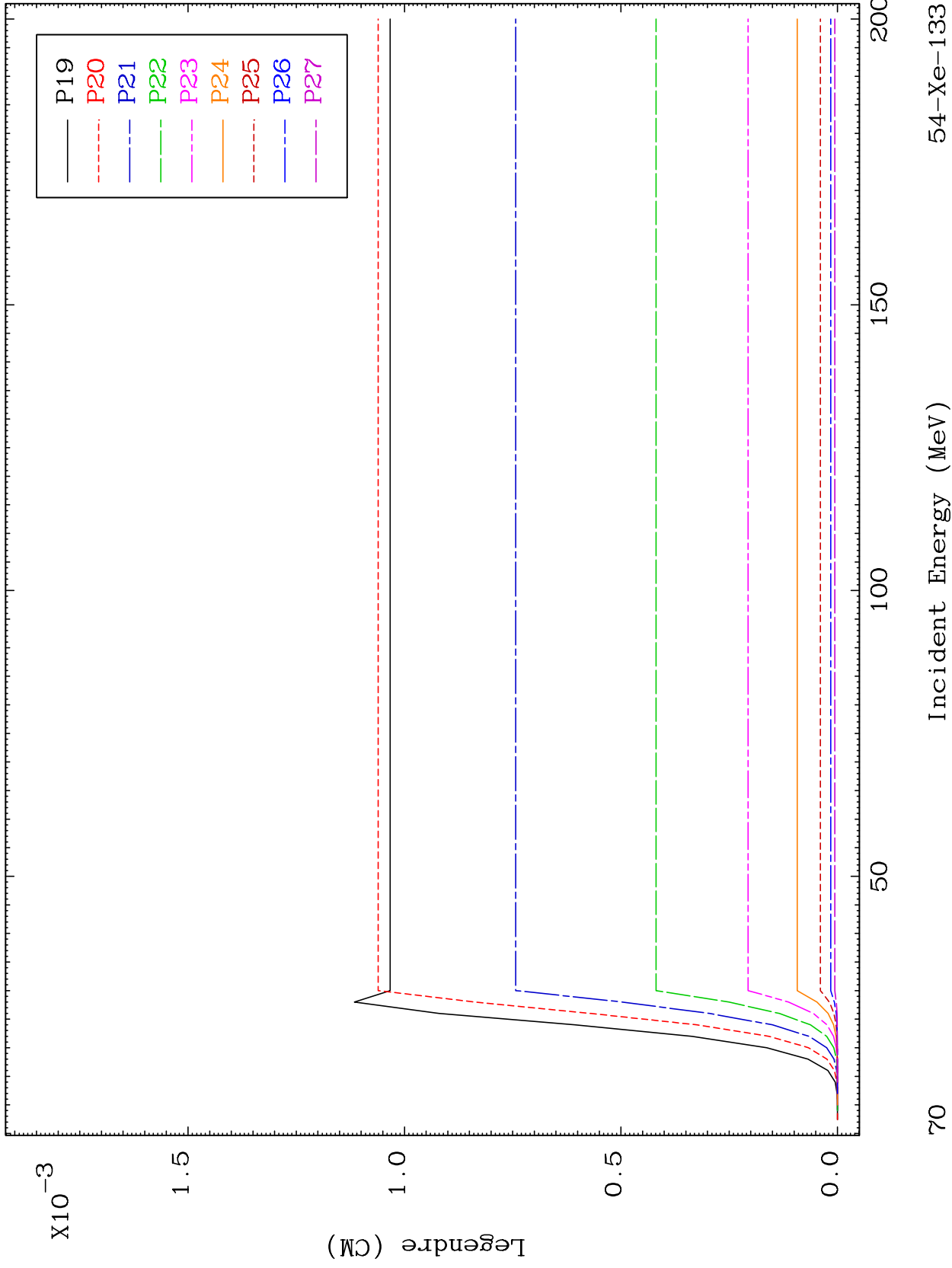
Incident Energy (MeV)

69

MAT 5452

1.236 MeV (n,n') Level
Legendre Coefficients

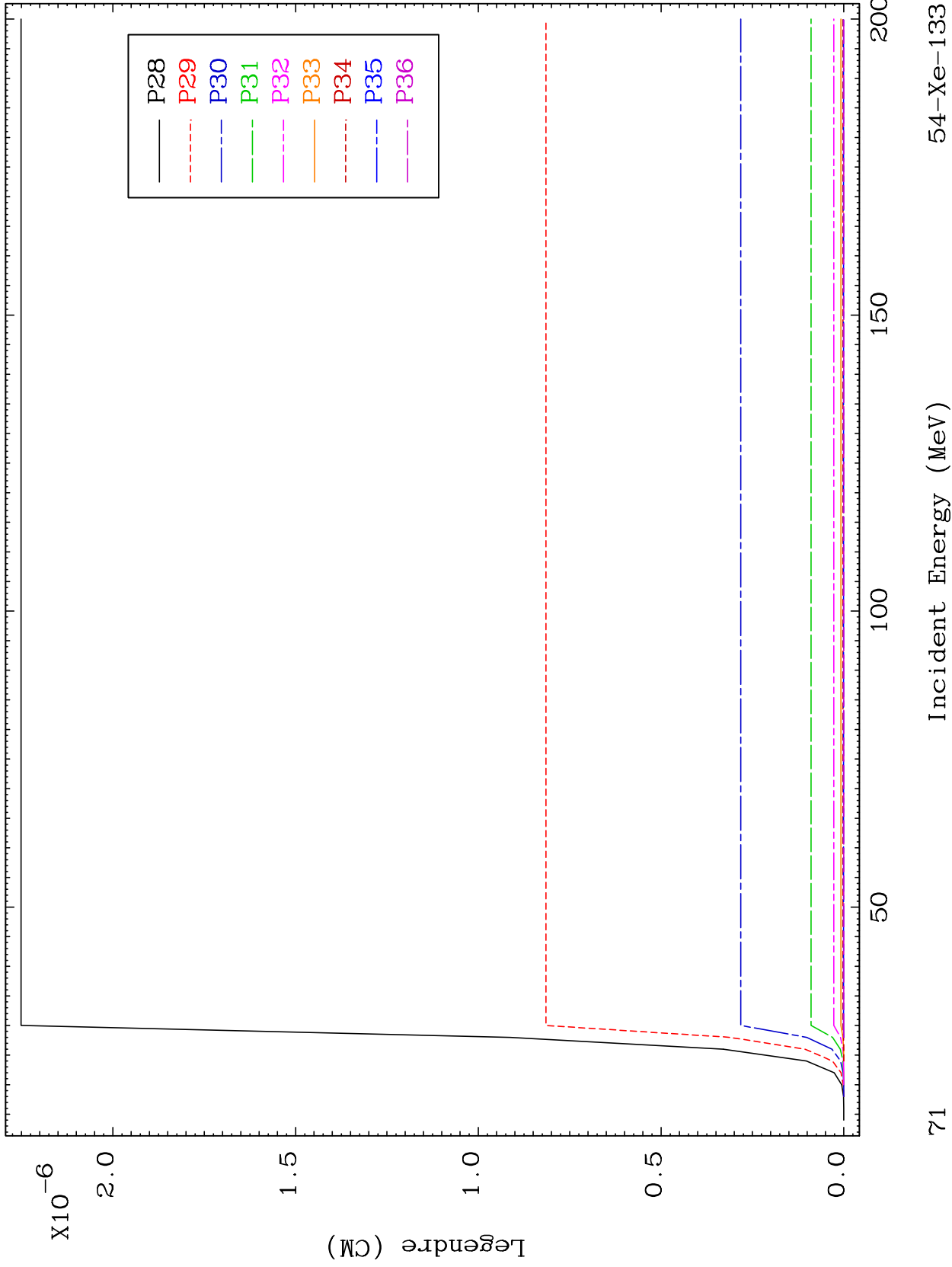
54-Xe-133

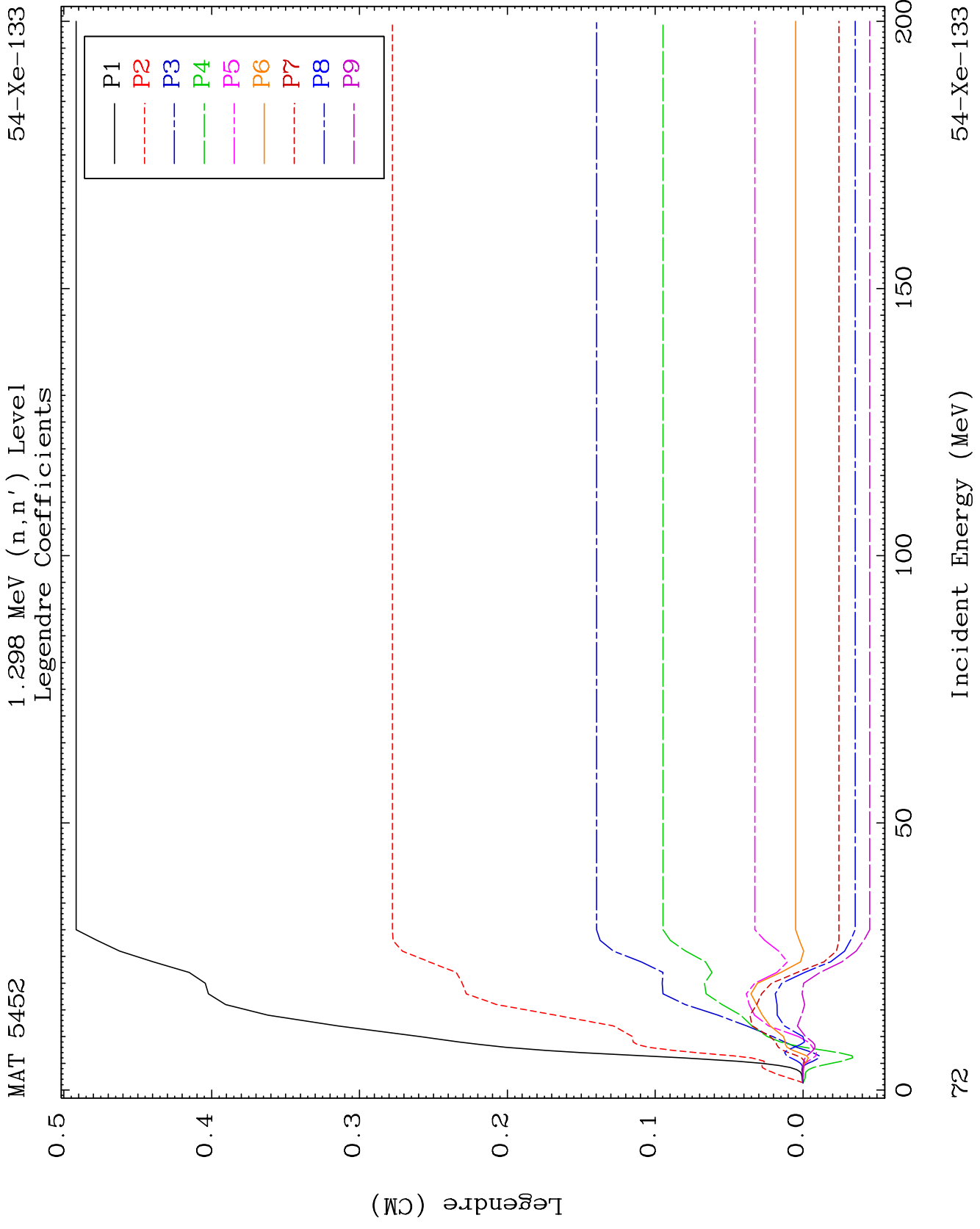


70

Incident Energy (MeV)

54-Xe-133

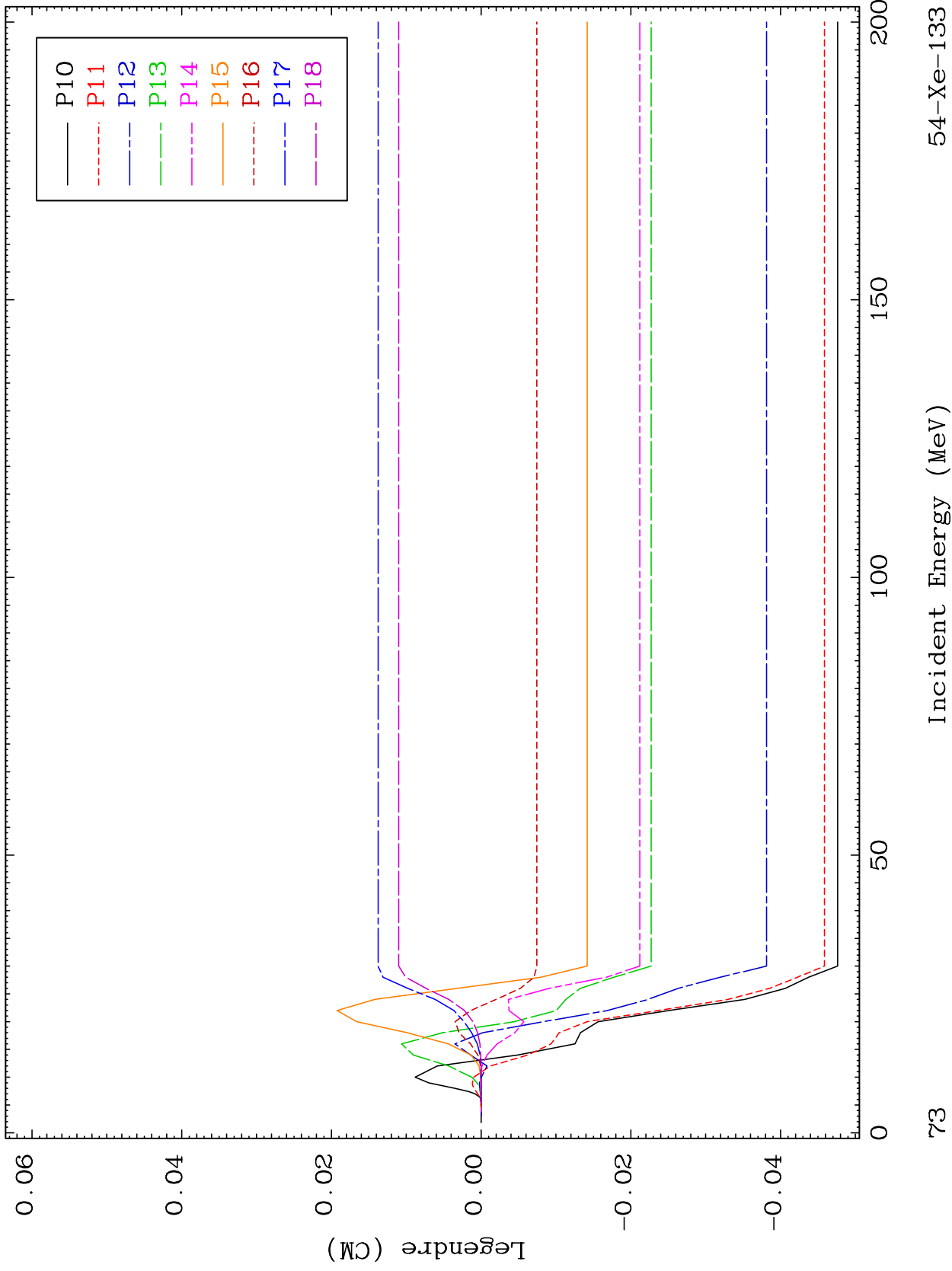




MAT 5452

1.298 MeV (n,n') Level
Legendre Coefficients

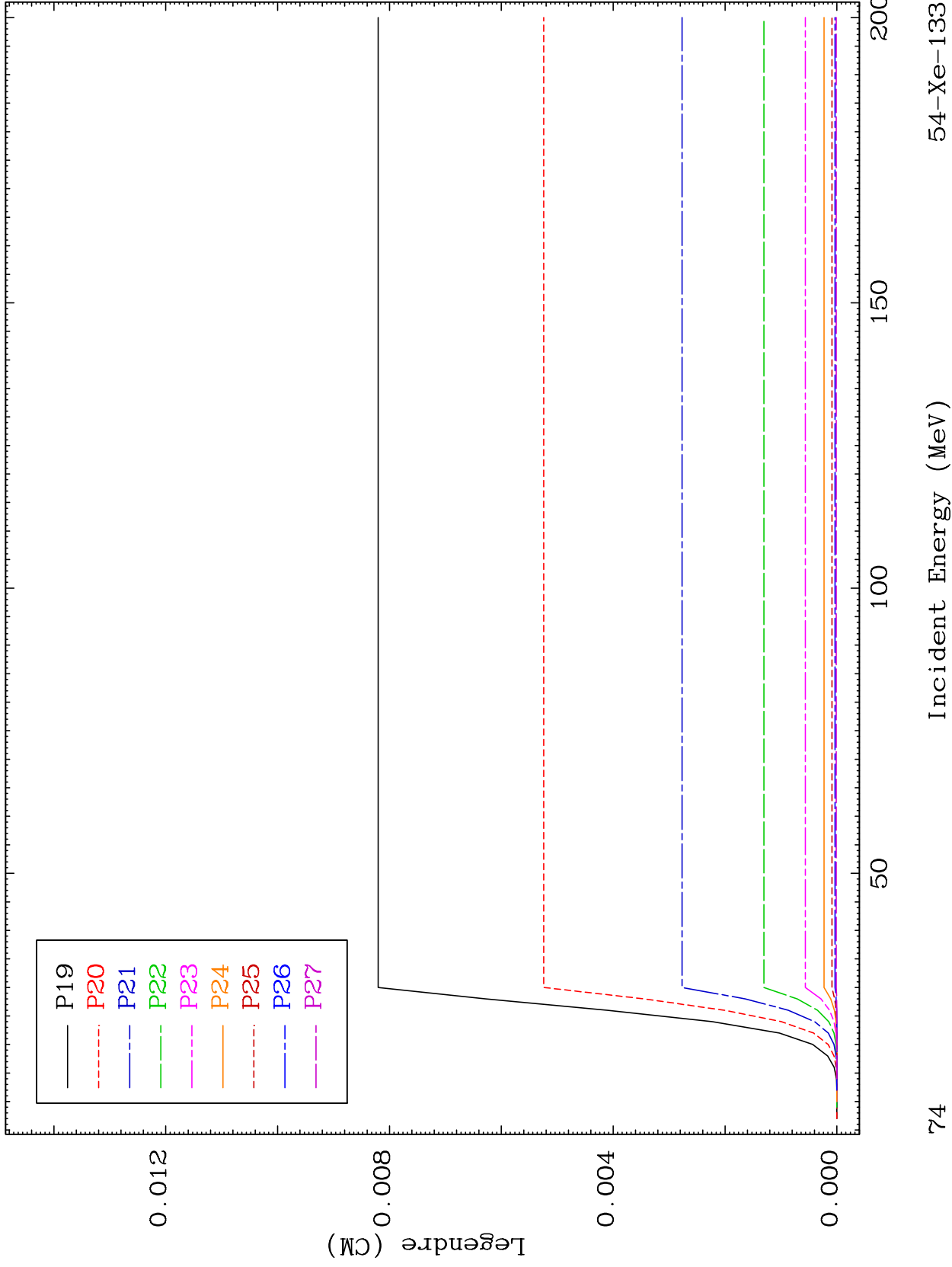
54-Xe-133



73

Incident Energy (MeV)

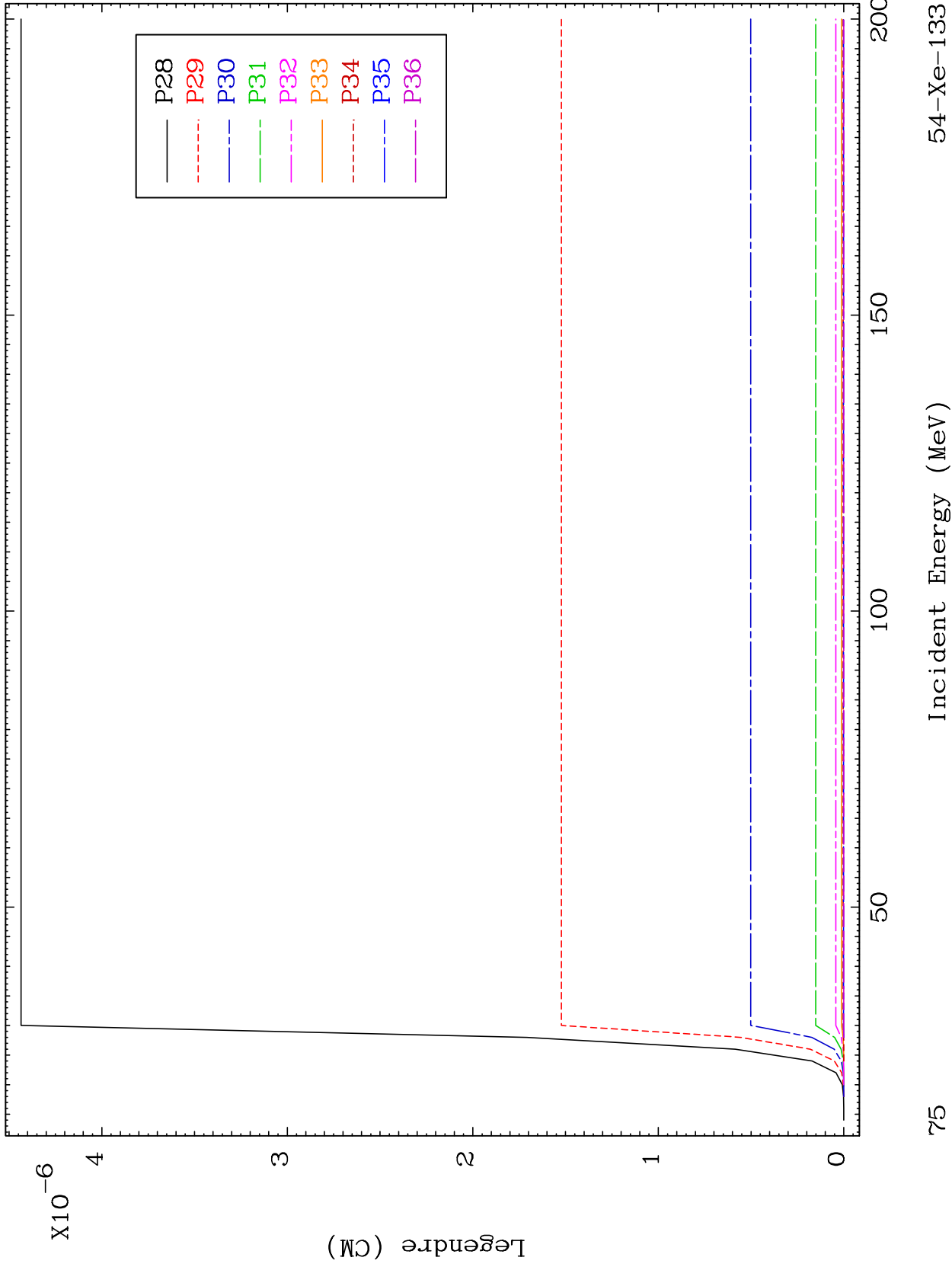
54-Xe-133



MAT 5452

1.298 MeV (n, n') Level
Legendre Coefficients

54-Xe-133



75

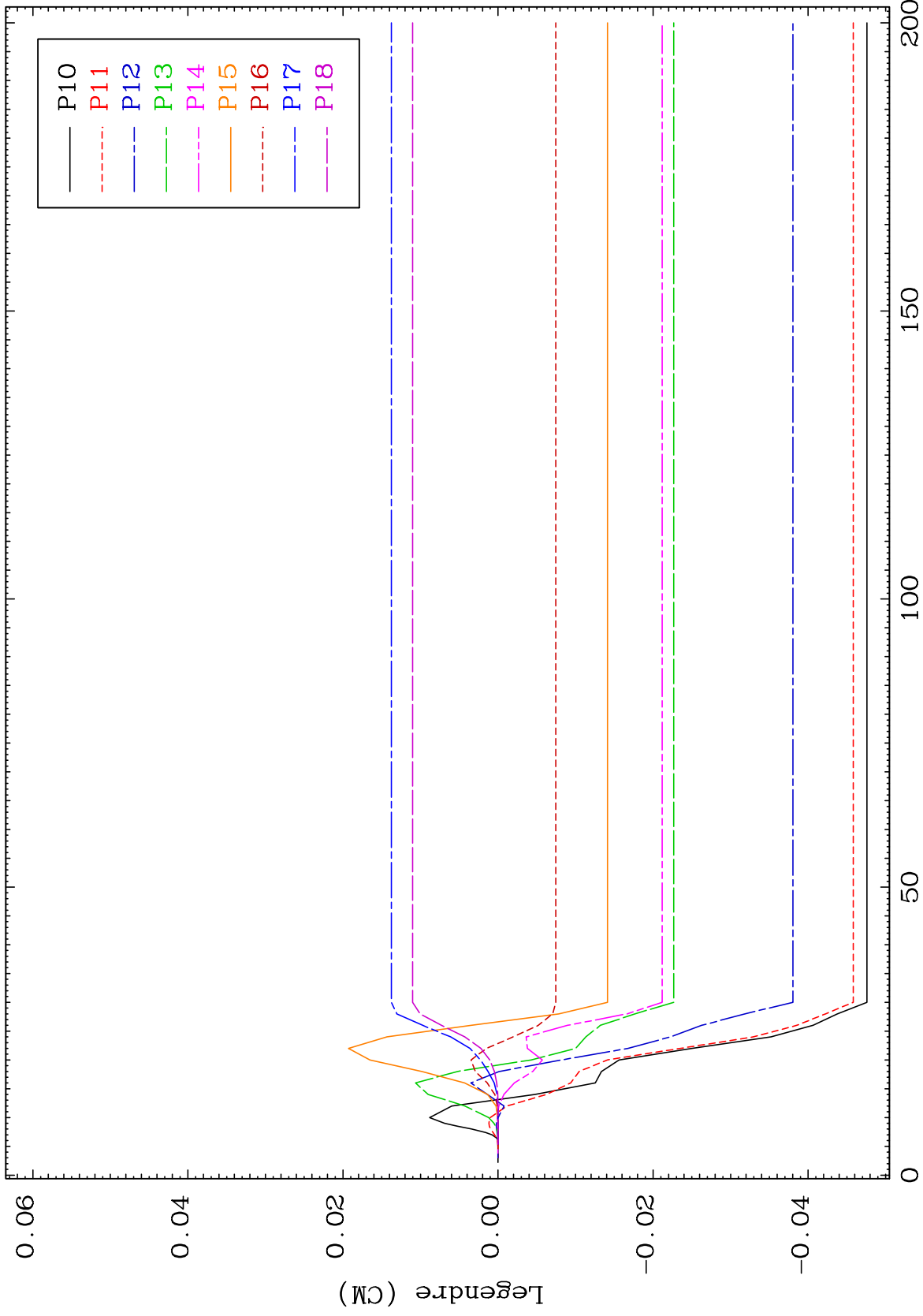
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.350 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



77

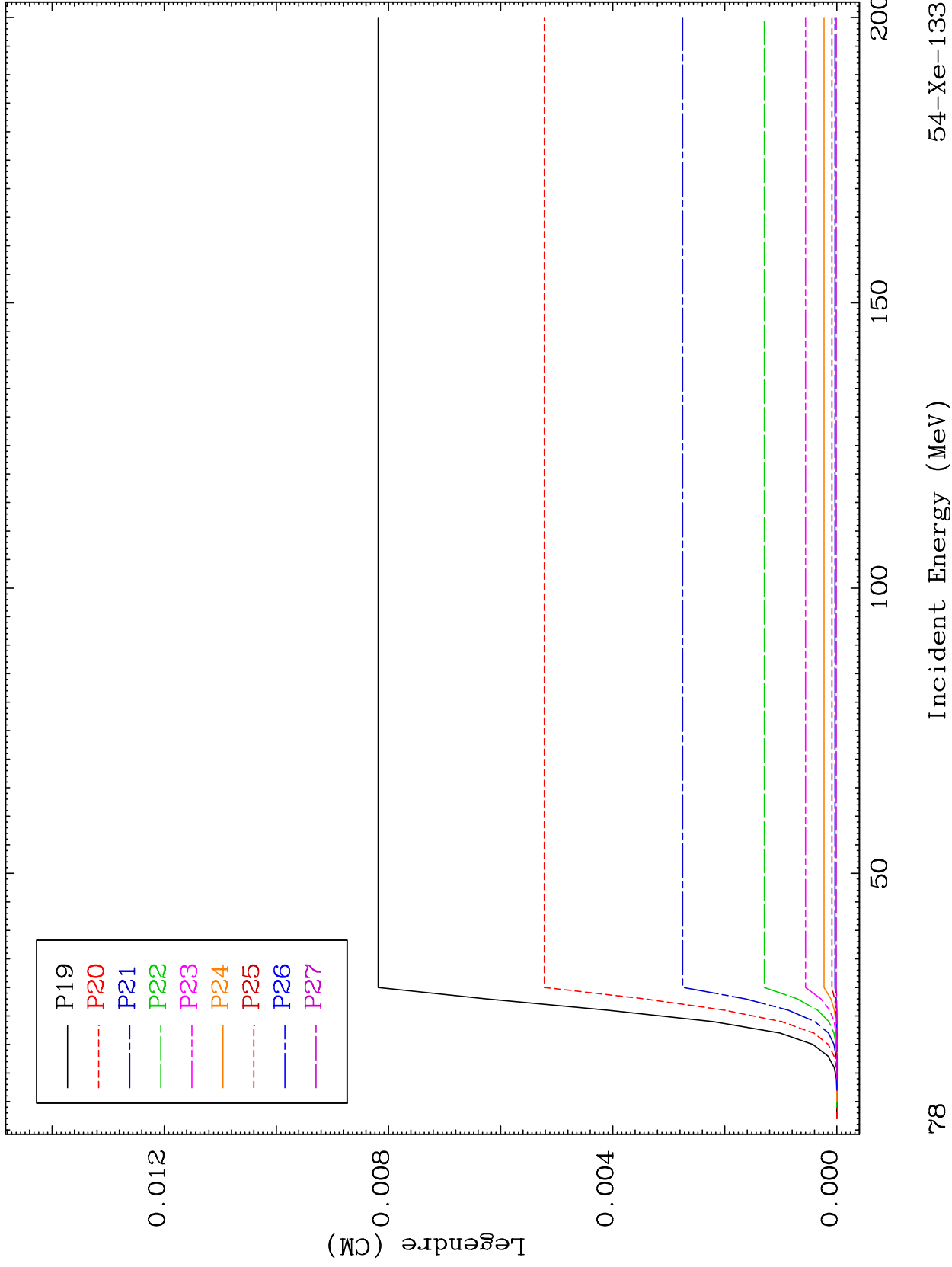
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.350 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



78

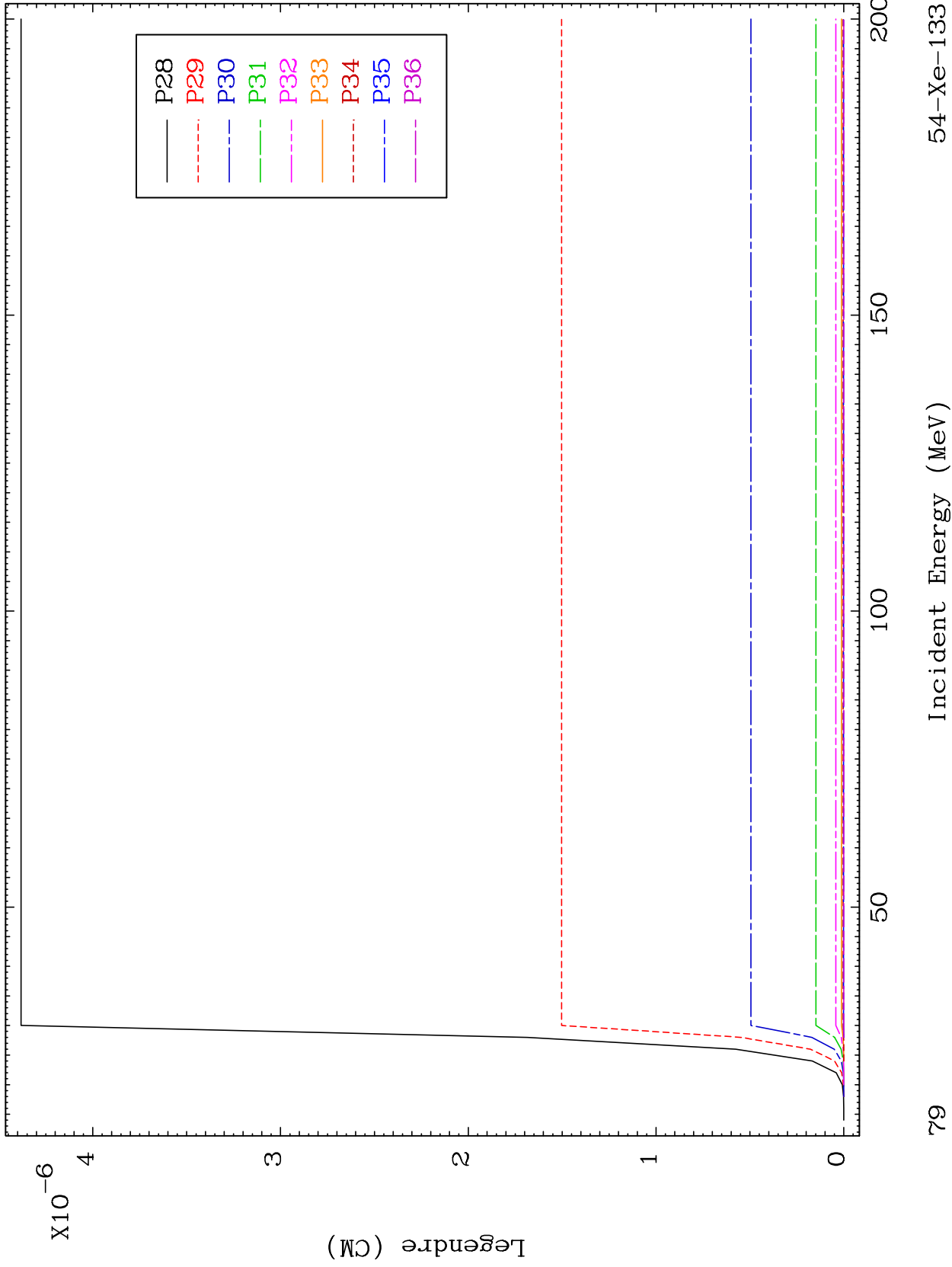
Incident Energy (MeV)

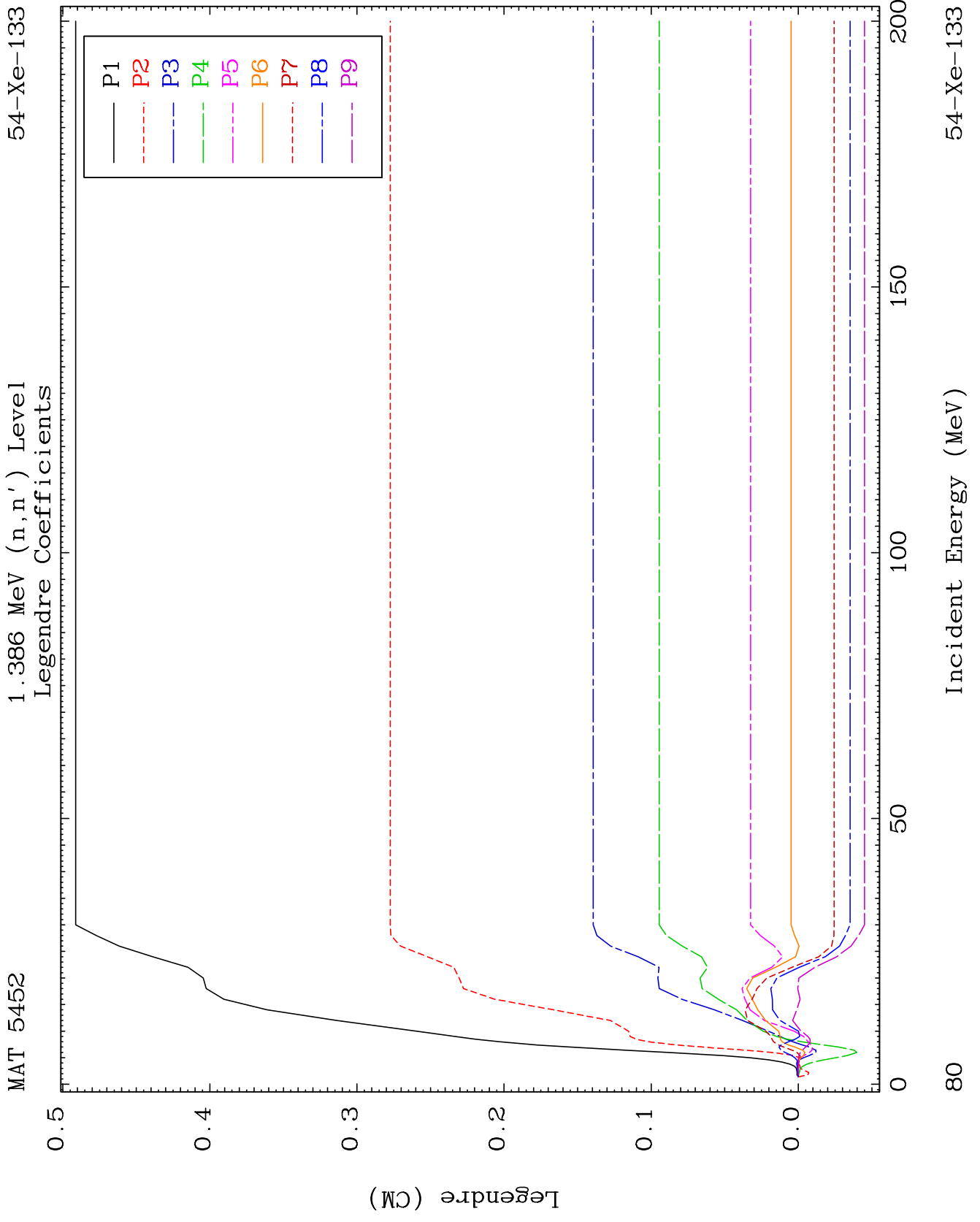
54-Xe-133

MAT 5452

1.350 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

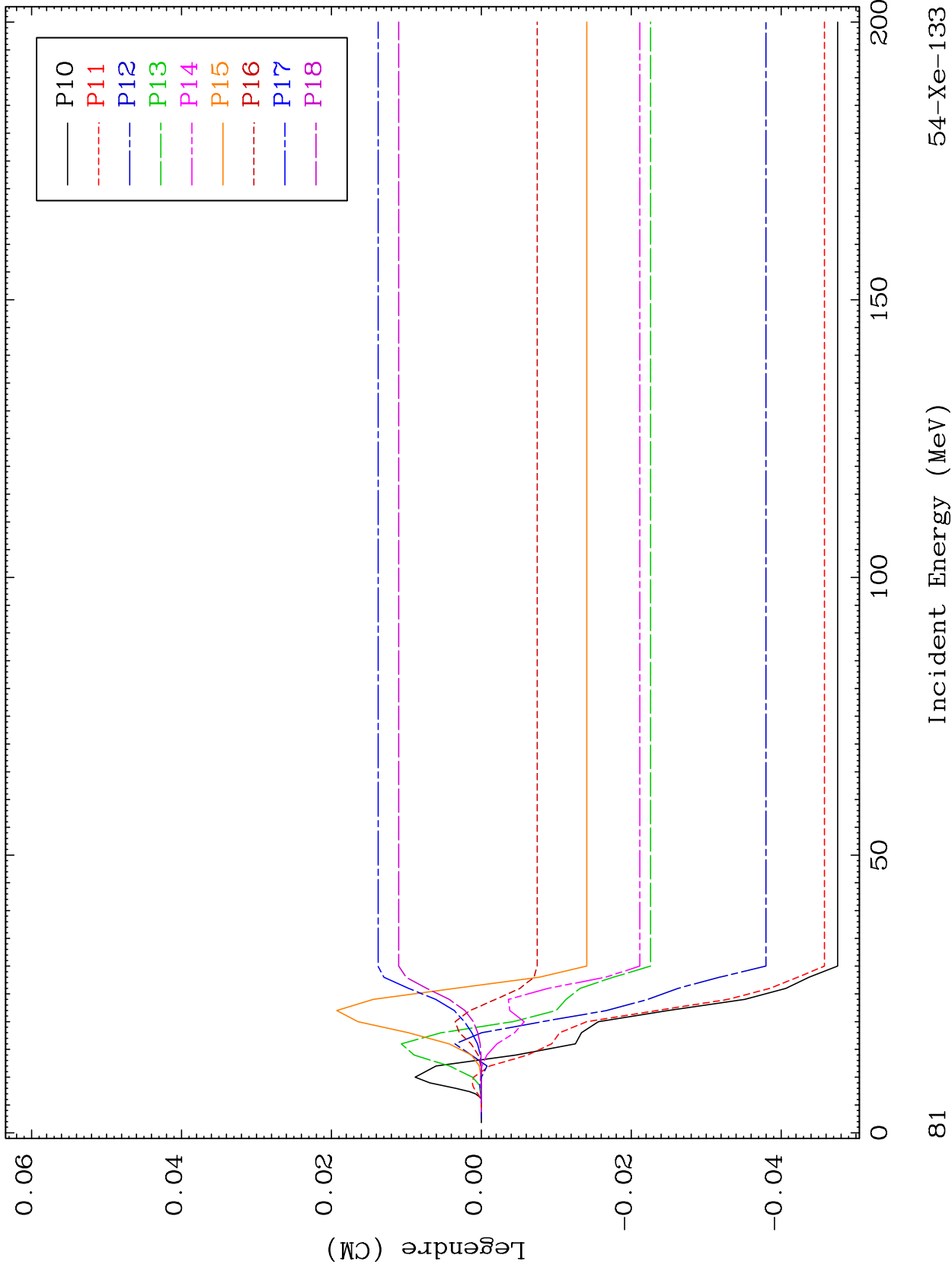




MAT 5452

1.386 MeV (n,n') Level
Legendre Coefficients

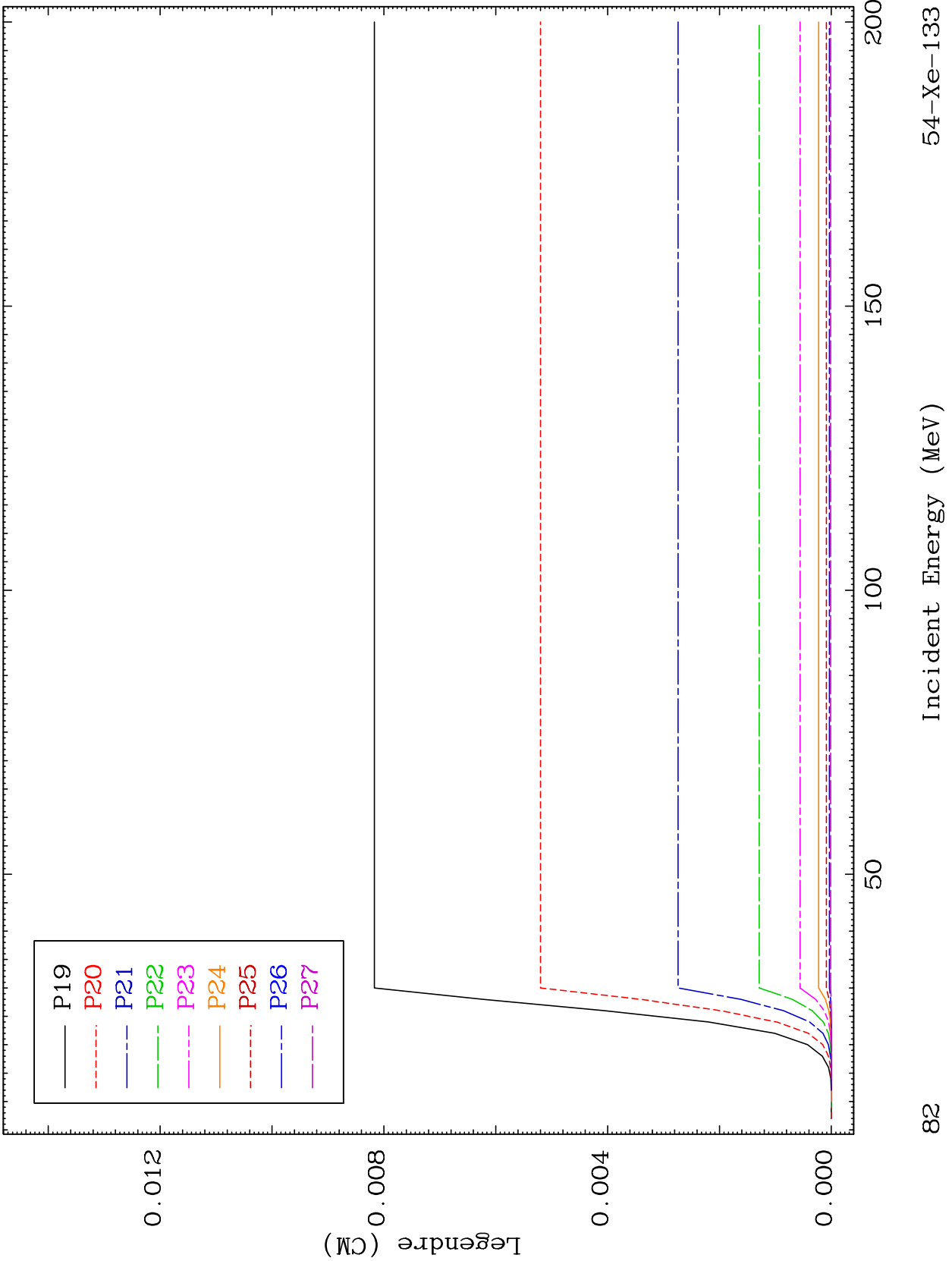
54-Xe-133

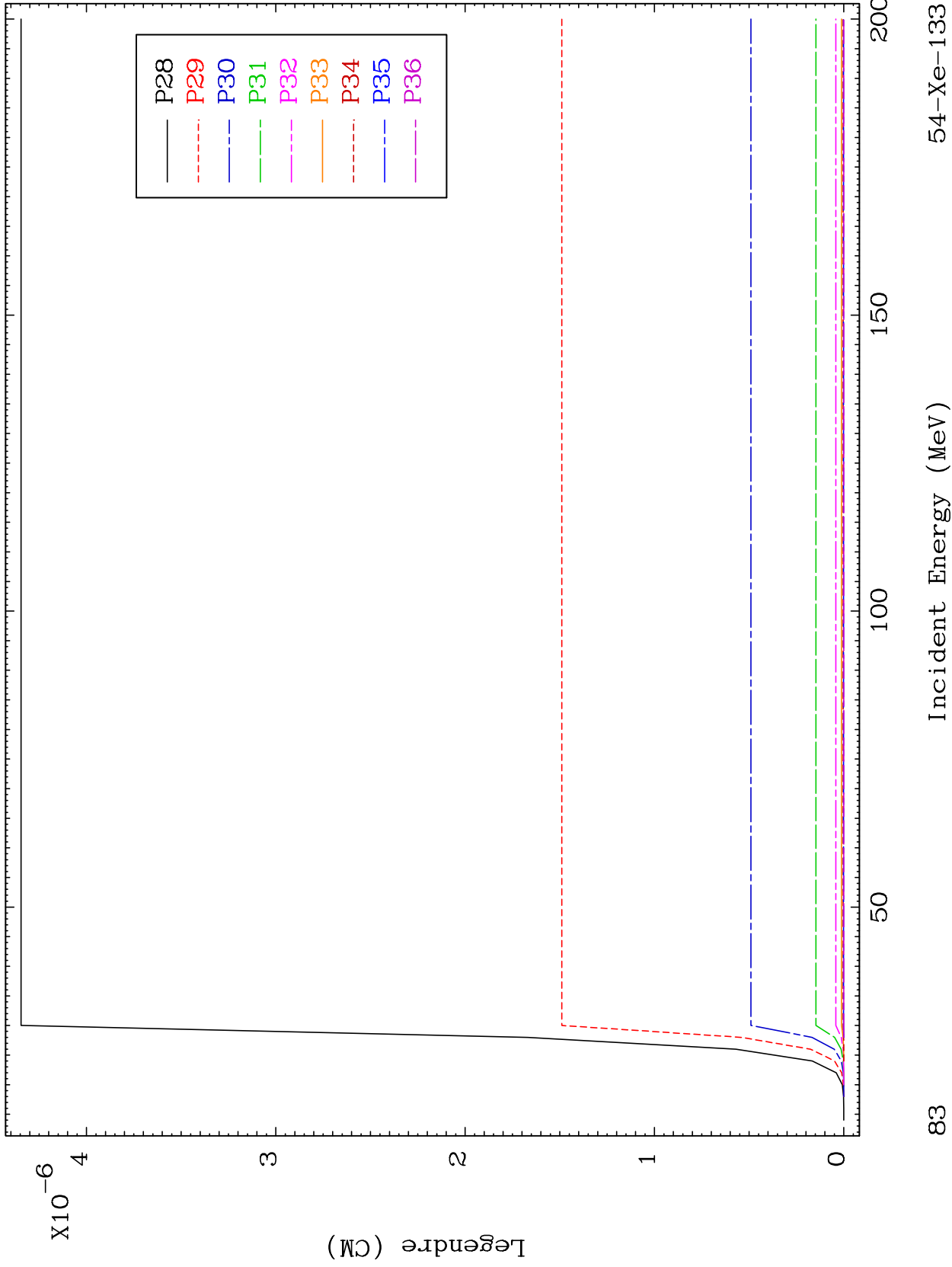


81

Incident Energy (MeV)

54-Xe-133

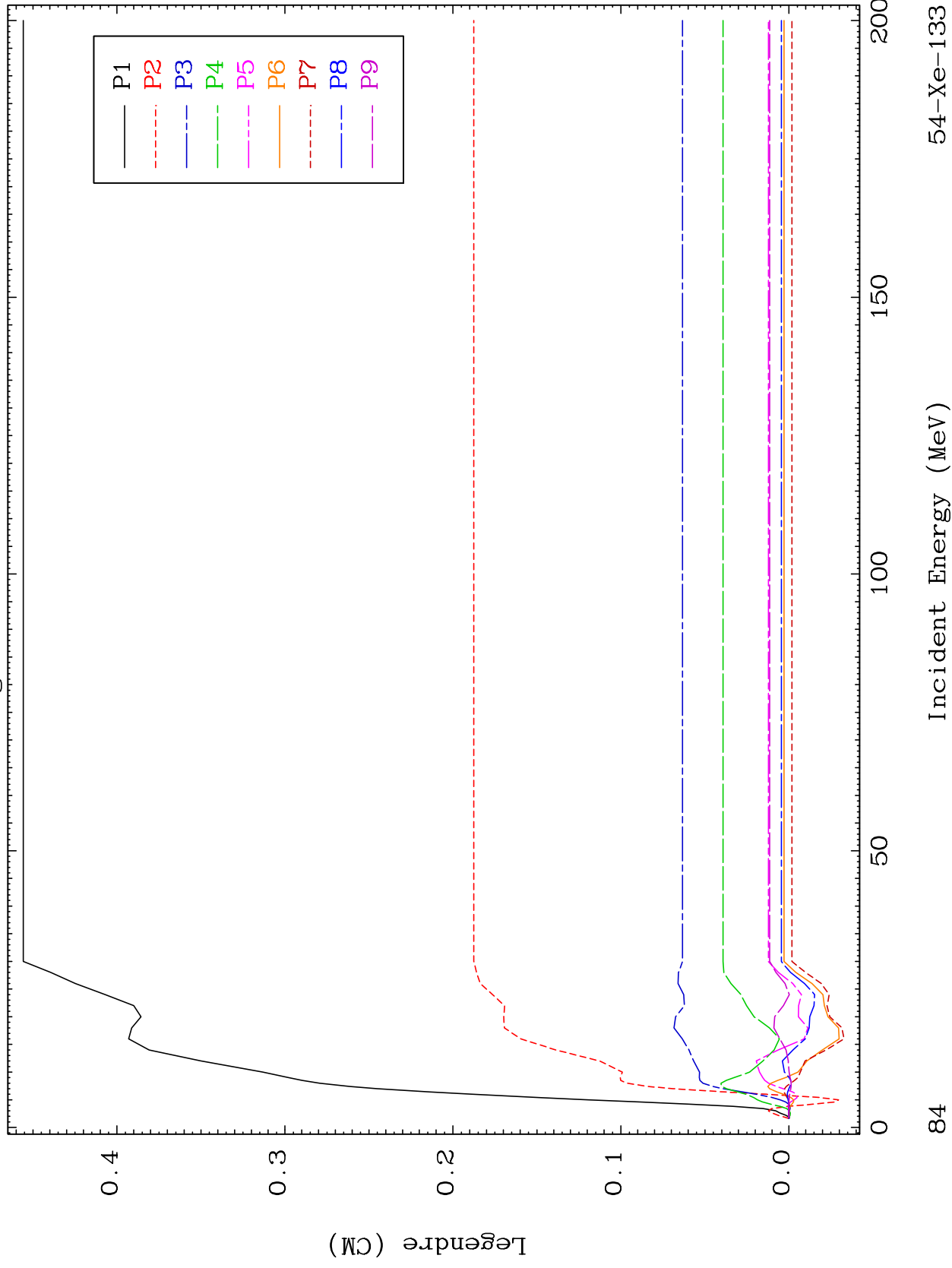




MAT 5452

1.590 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



84

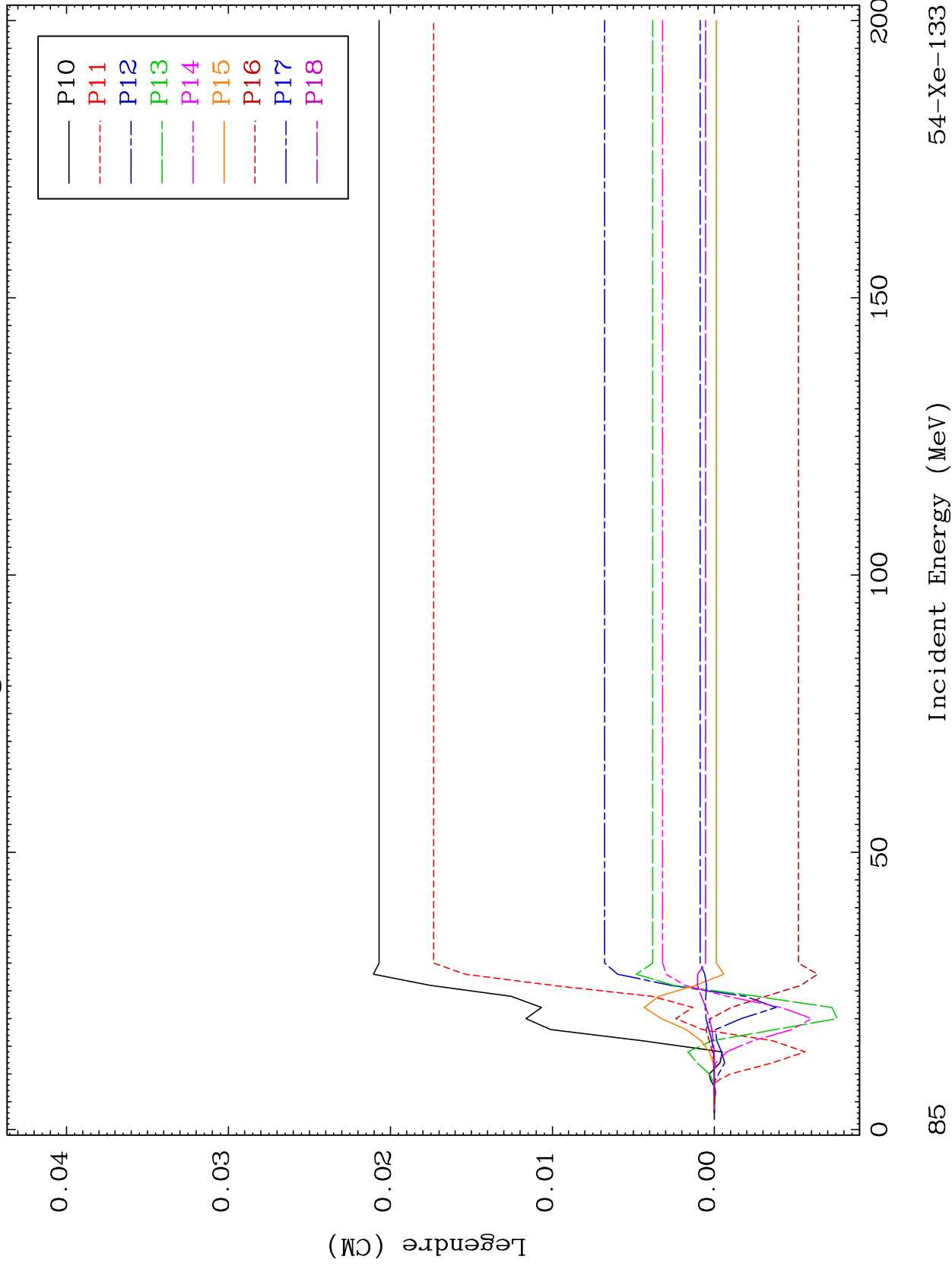
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.590 MeV (n,n') Level
Legendre Coefficients

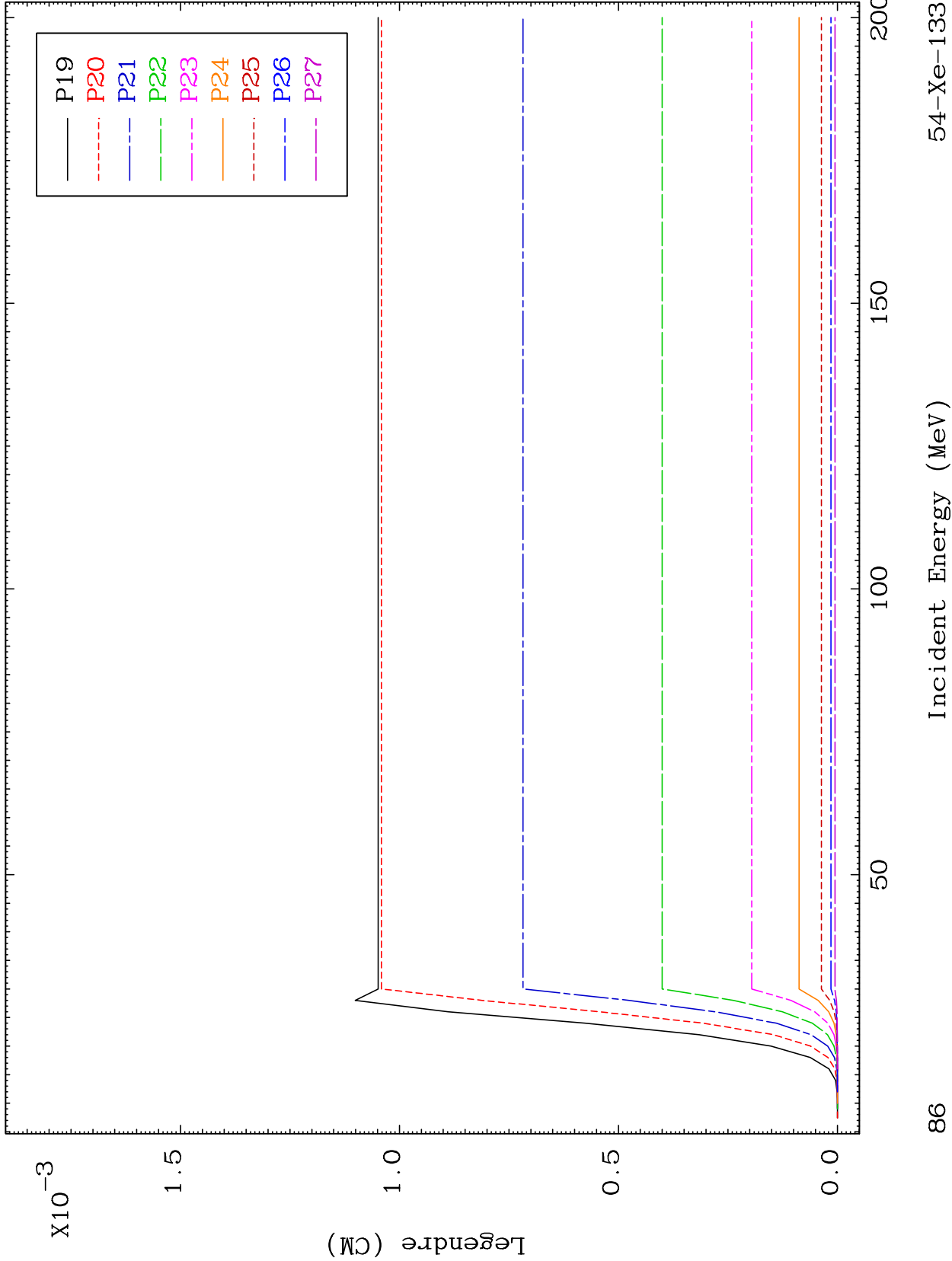
54-Xe-133



54-Xe-133

Incident Energy (MeV)

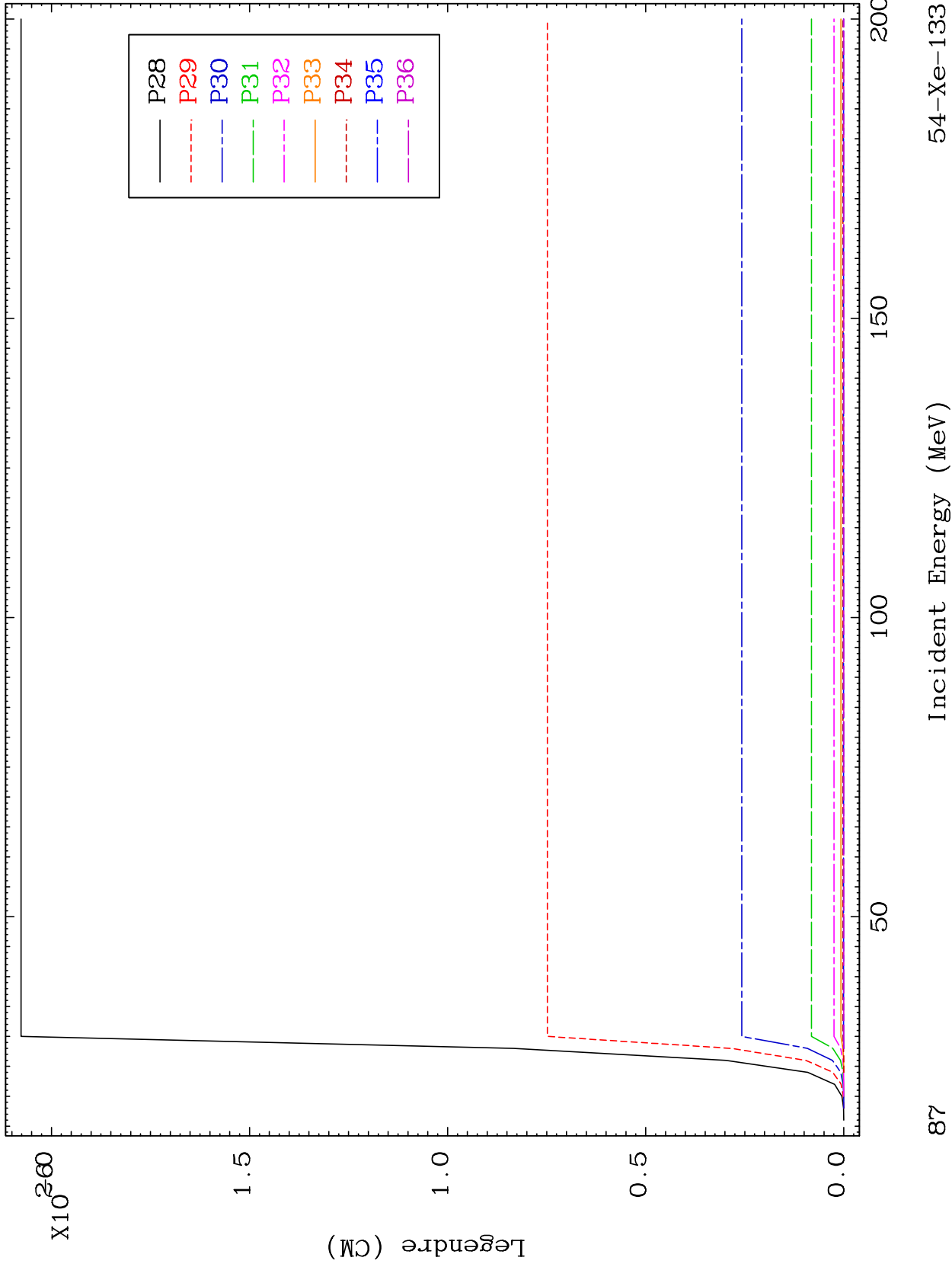
85



MAT 5452

1.590 MeV (n,n') Level
Legendre Coefficients

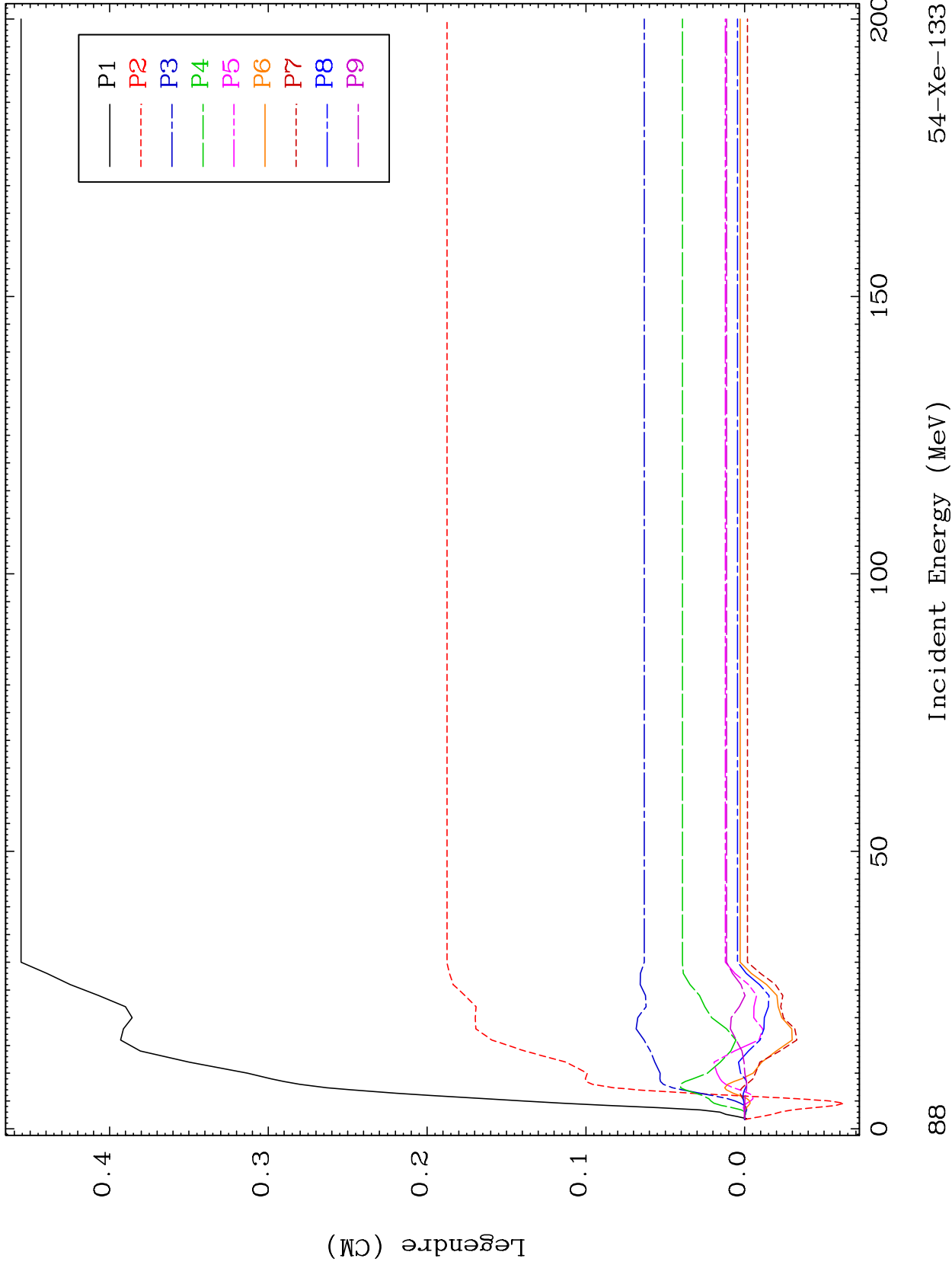
54-Xe-133



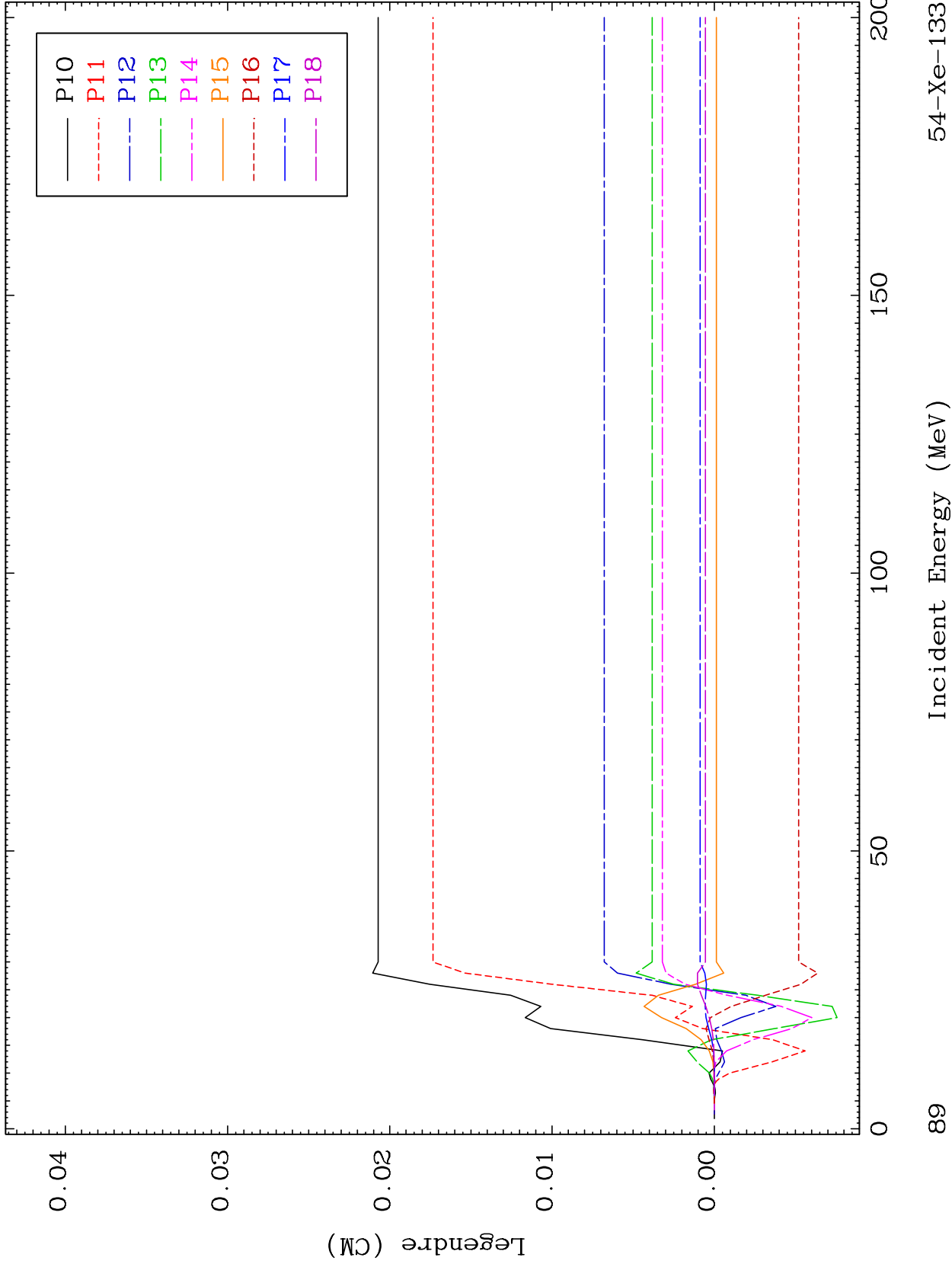
MAT 5452

1.609 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



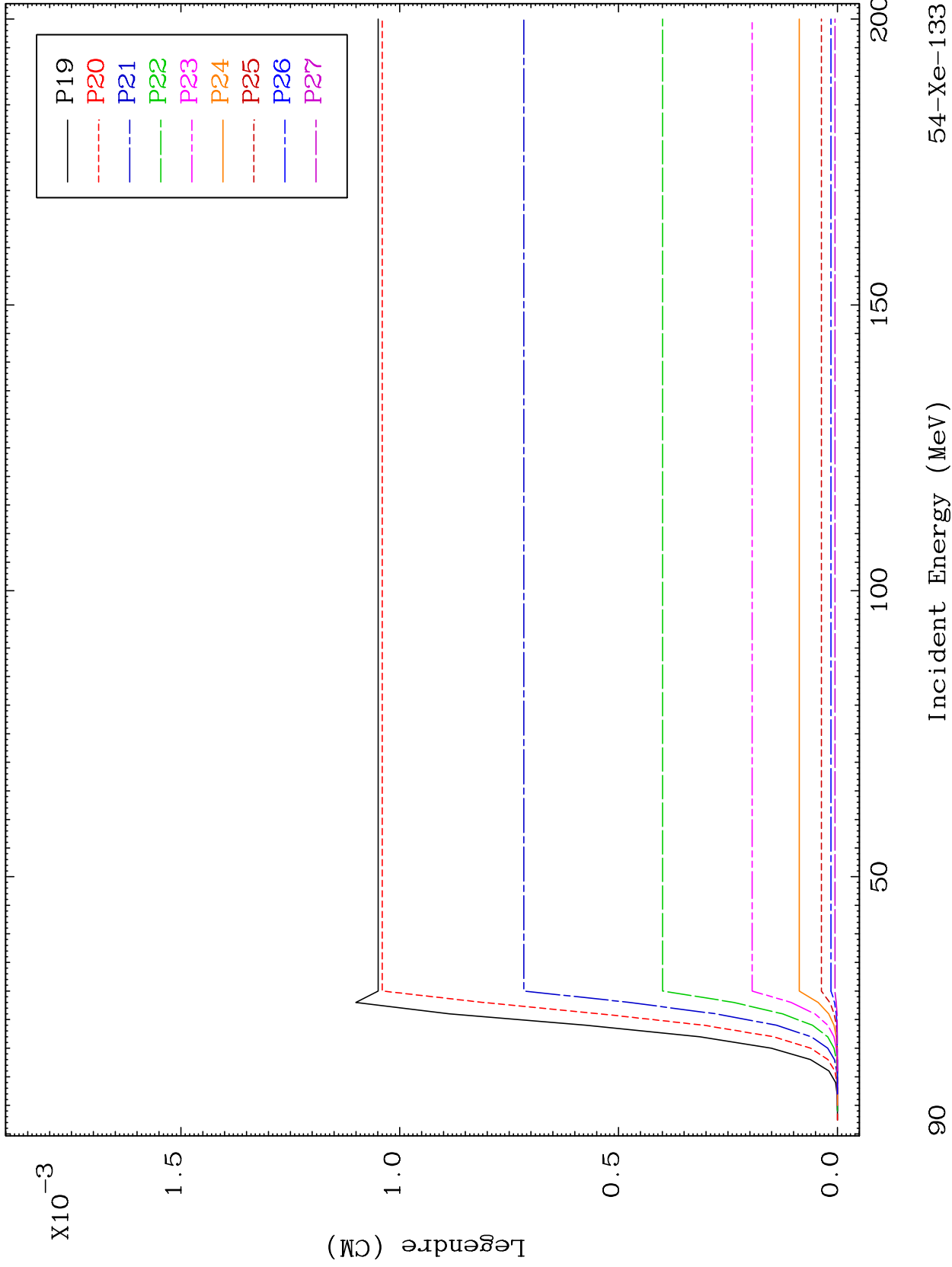
88

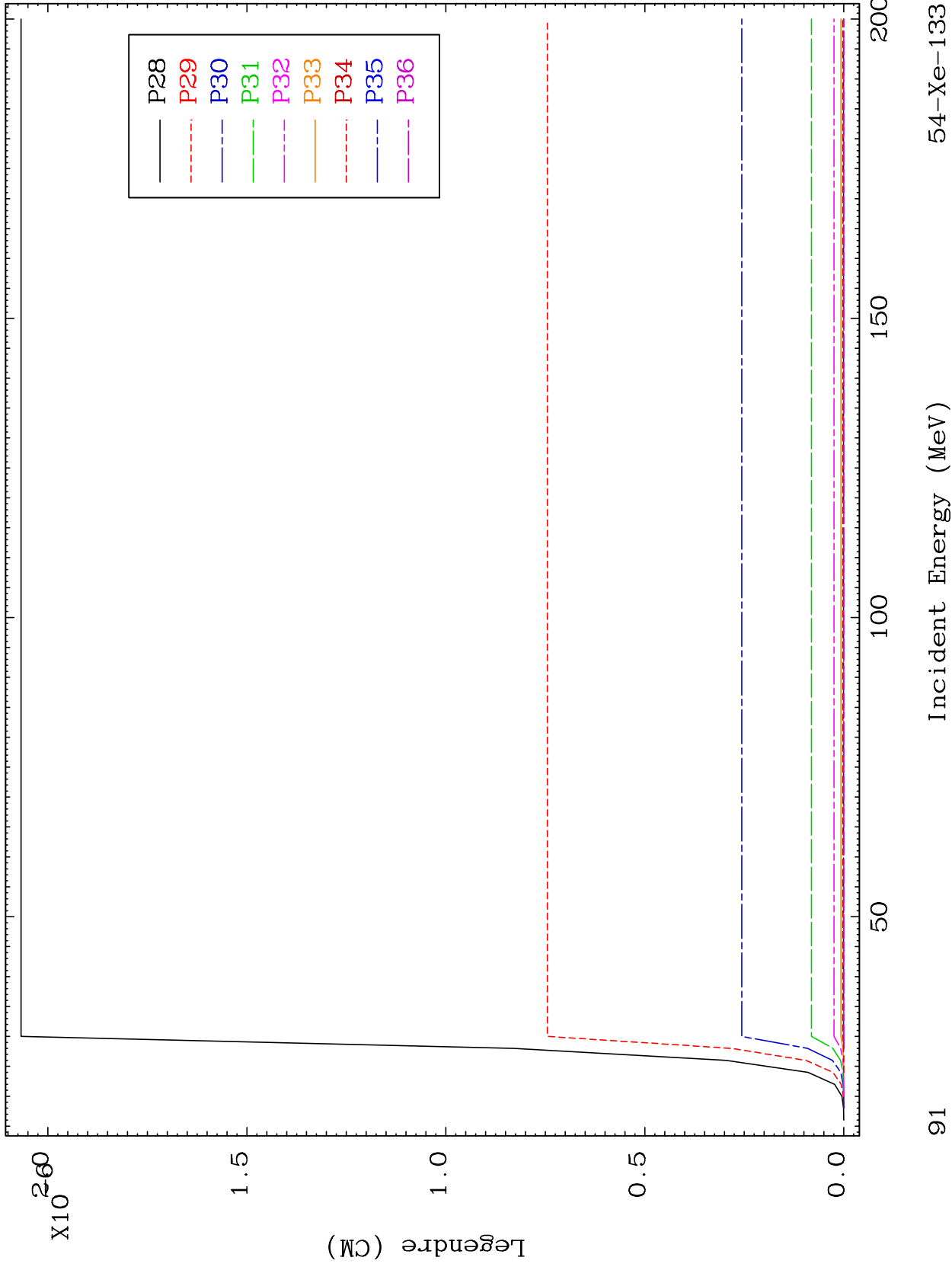


MAT 5452

1.609 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

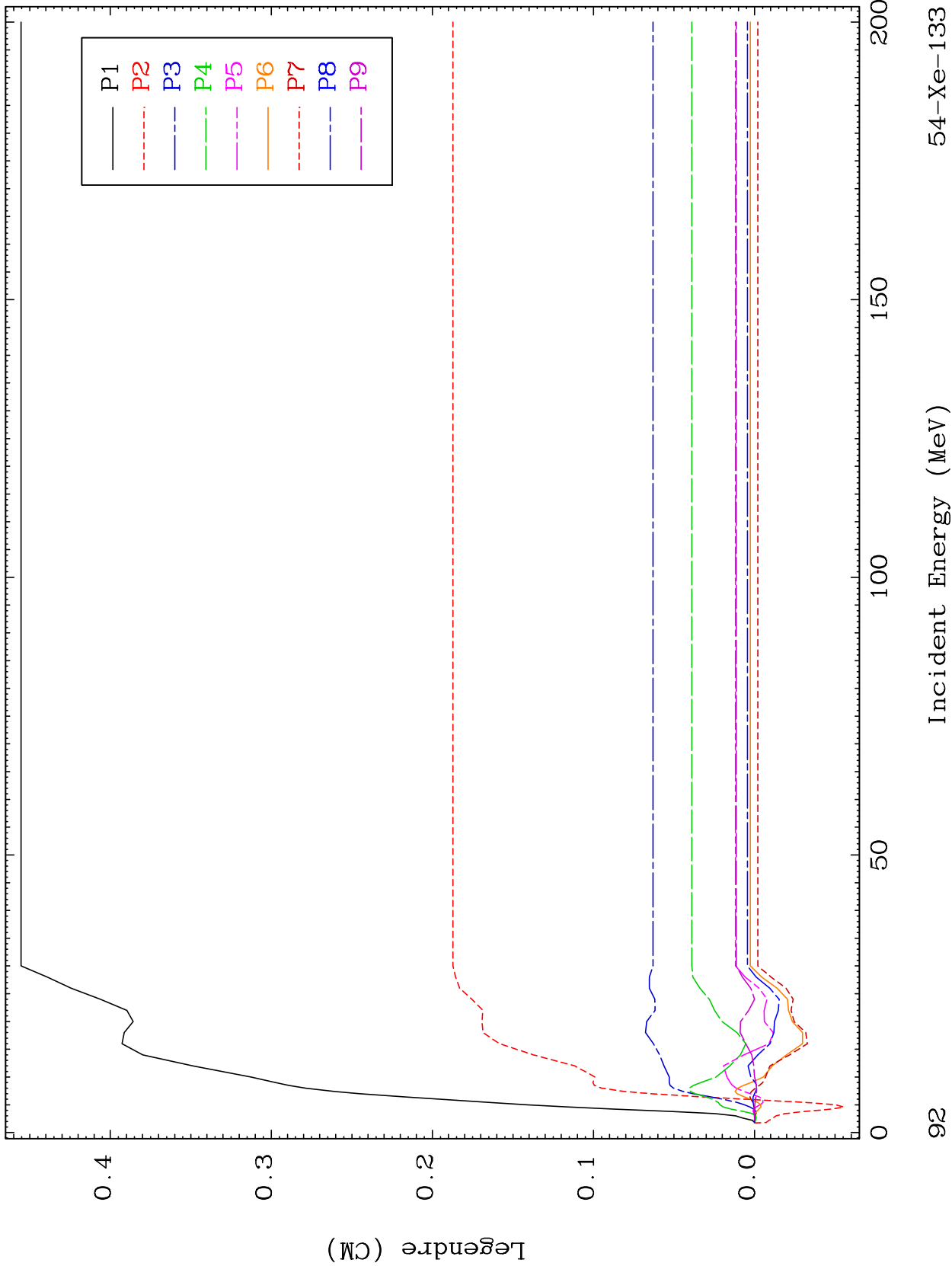




MAT 5452

1.701 MeV (n,n') Level
Legendre Coefficients

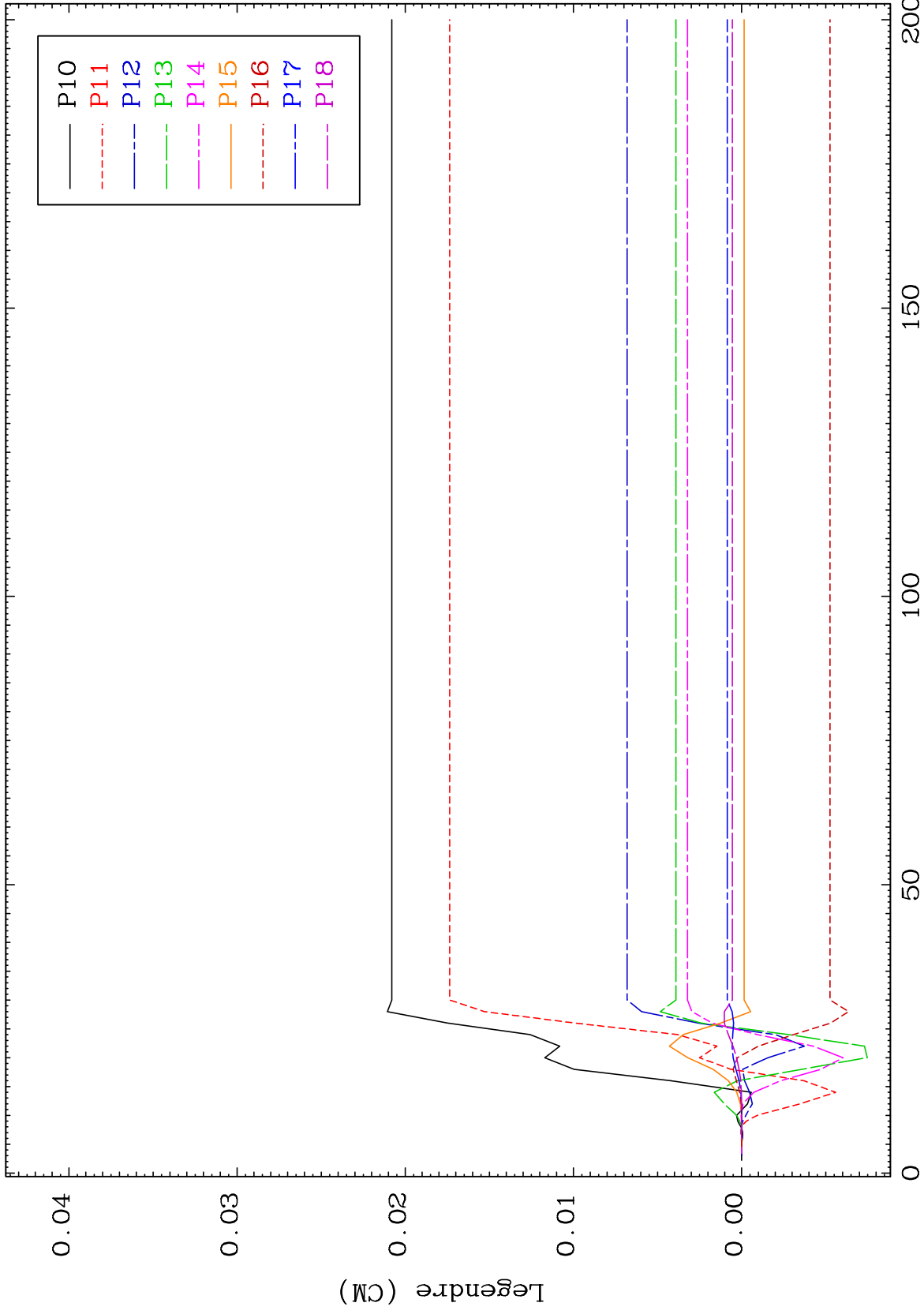
54-Xe-133

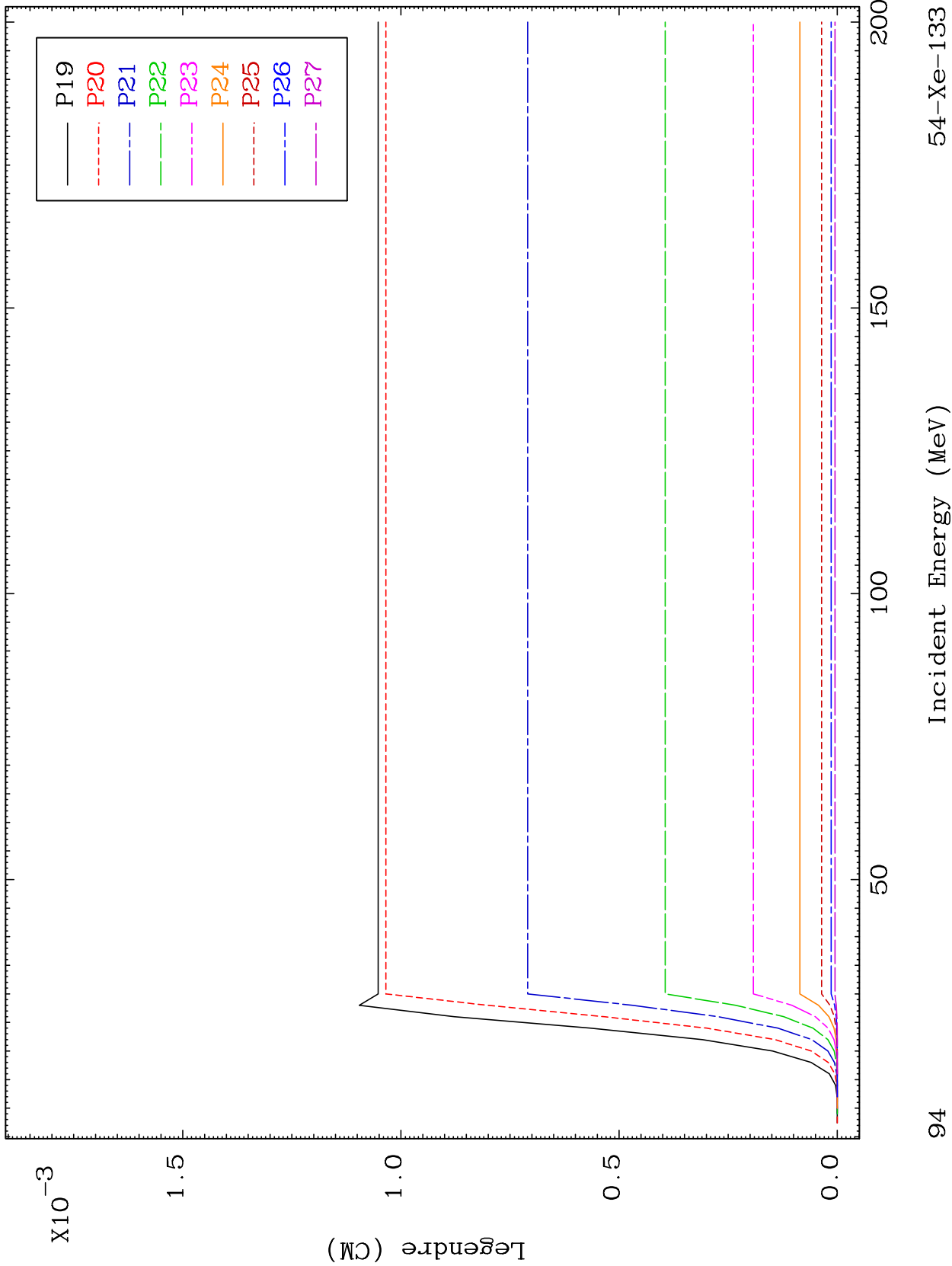


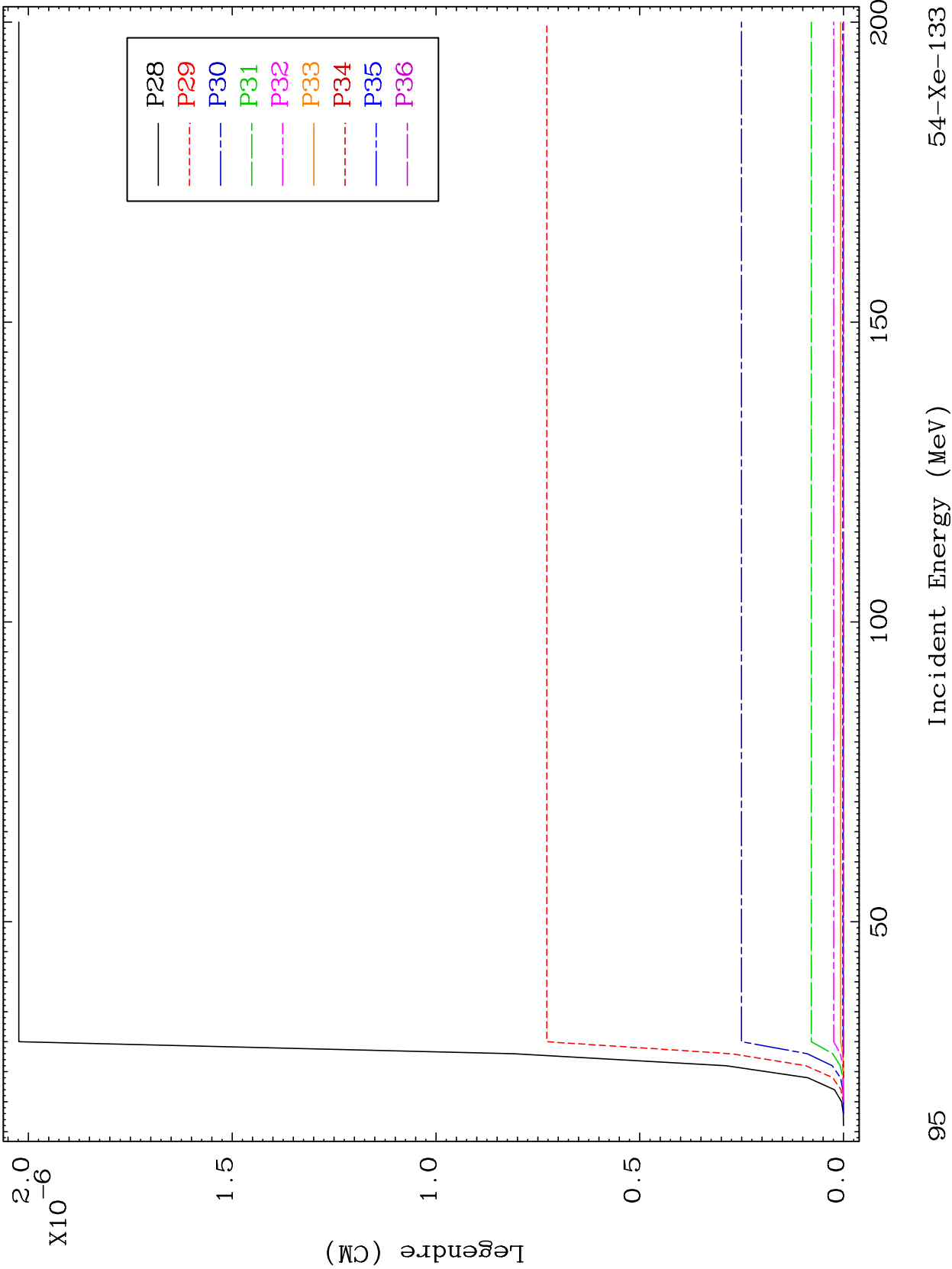
54-Xe-133

Incident Energy (MeV)

92



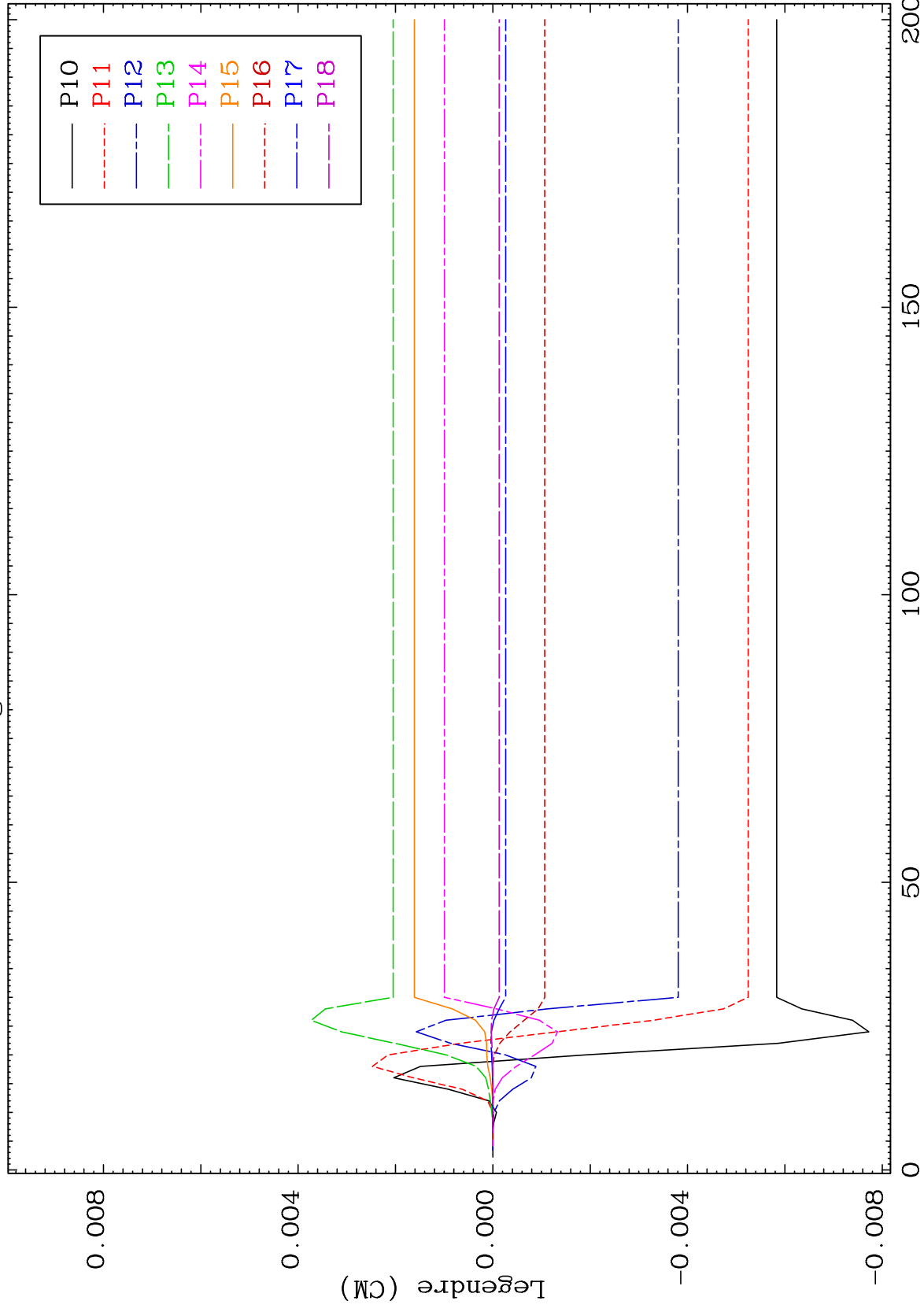




MAT 5452

1.716 MeV (n,n') Level
Legendre Coefficients

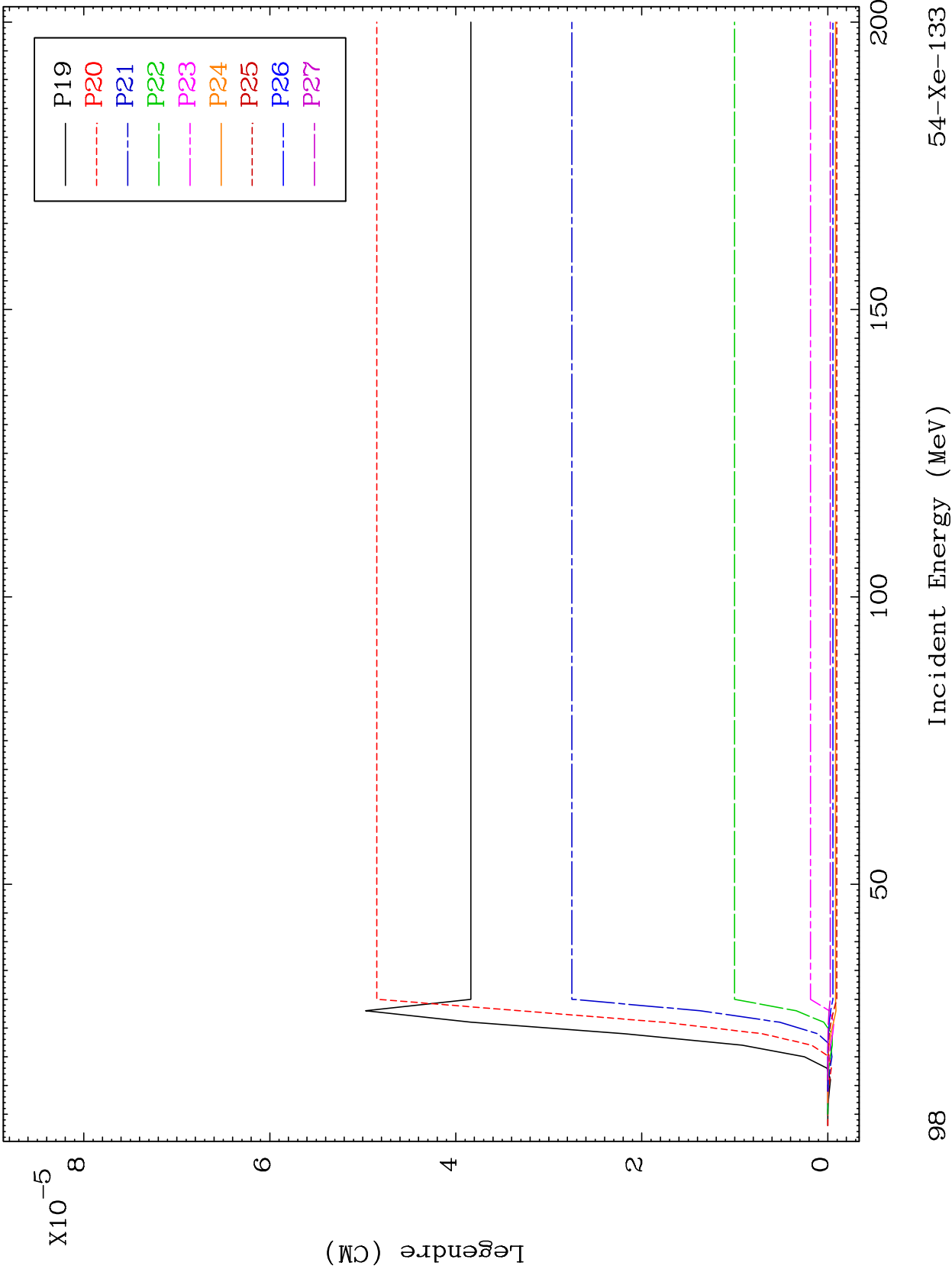
54-Xe-133



97

Incident Energy (MeV)

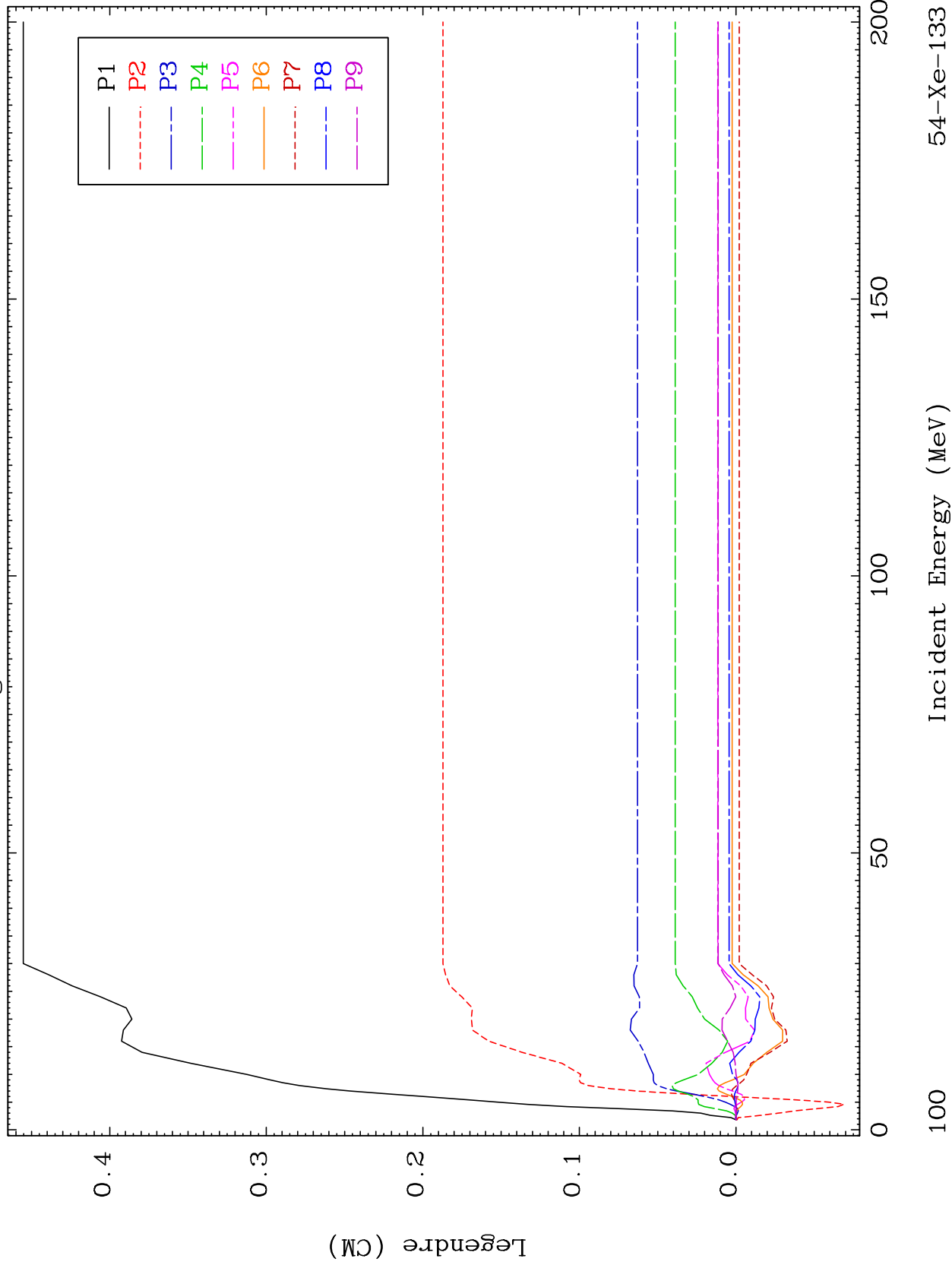
54-Xe-133



MAT 5452

1.744 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

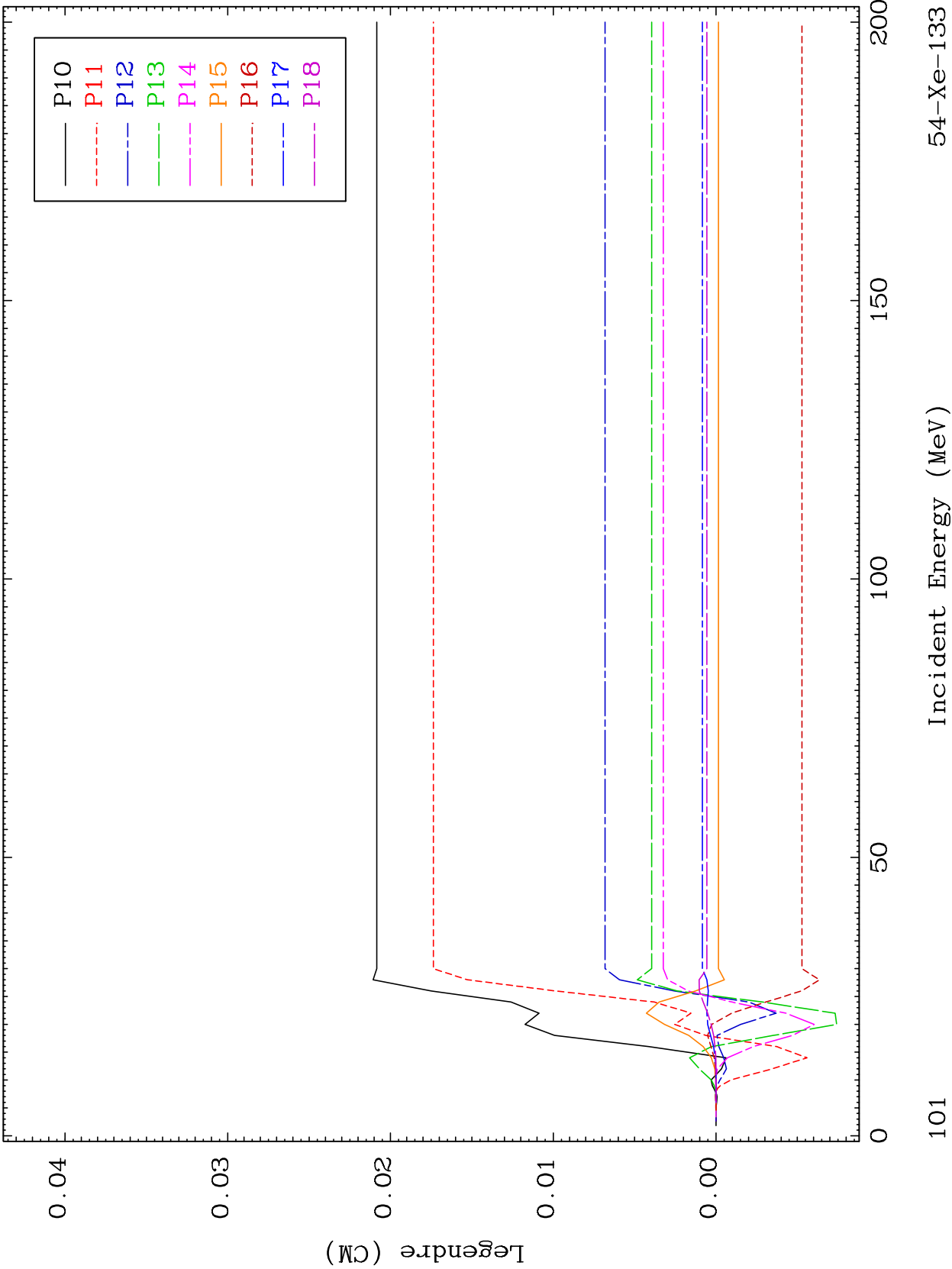


54-Xe-133

MAT 5452

1.744 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

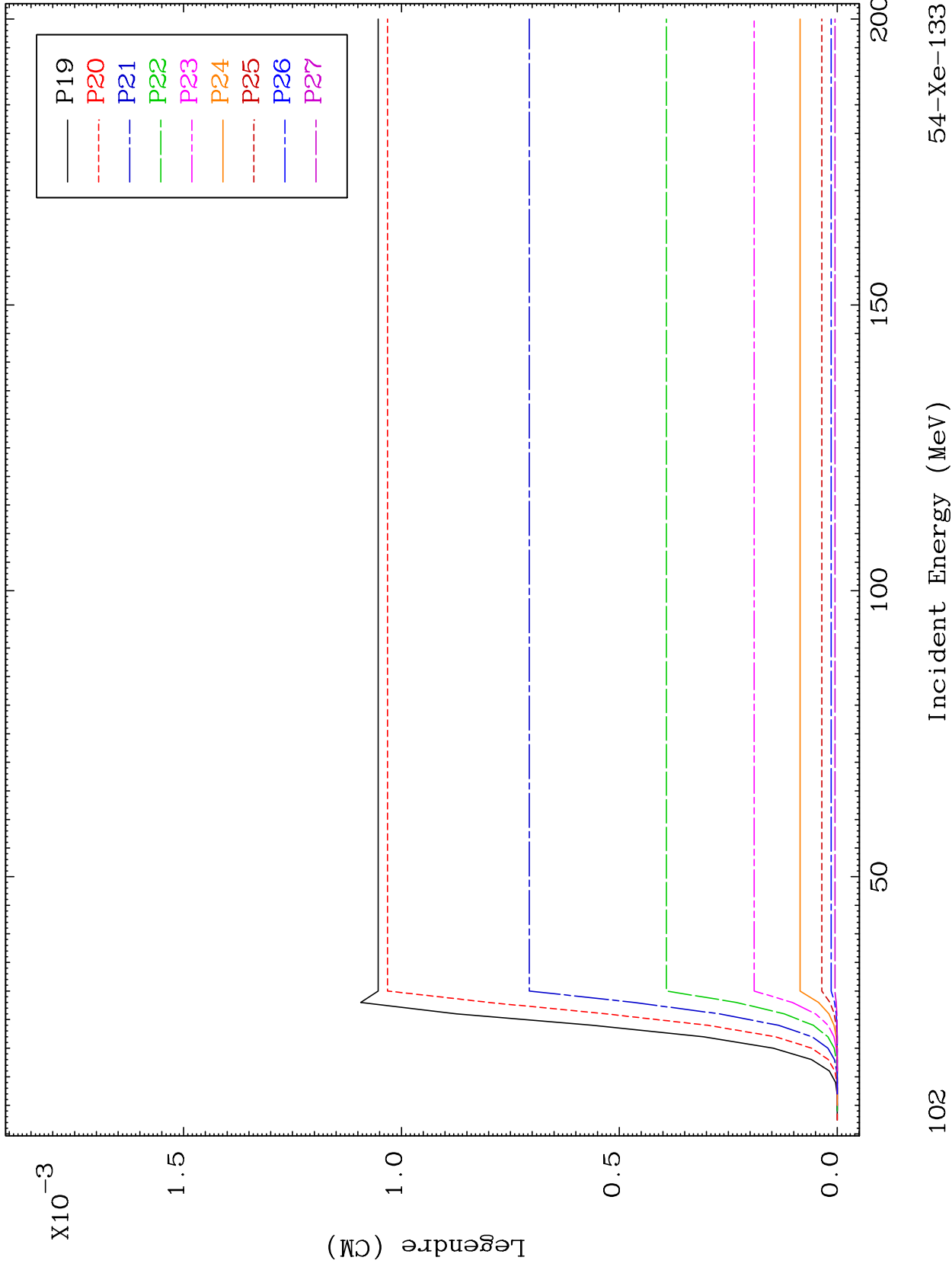
Incident Energy (MeV)

101

MAT 5452

1.744 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



102

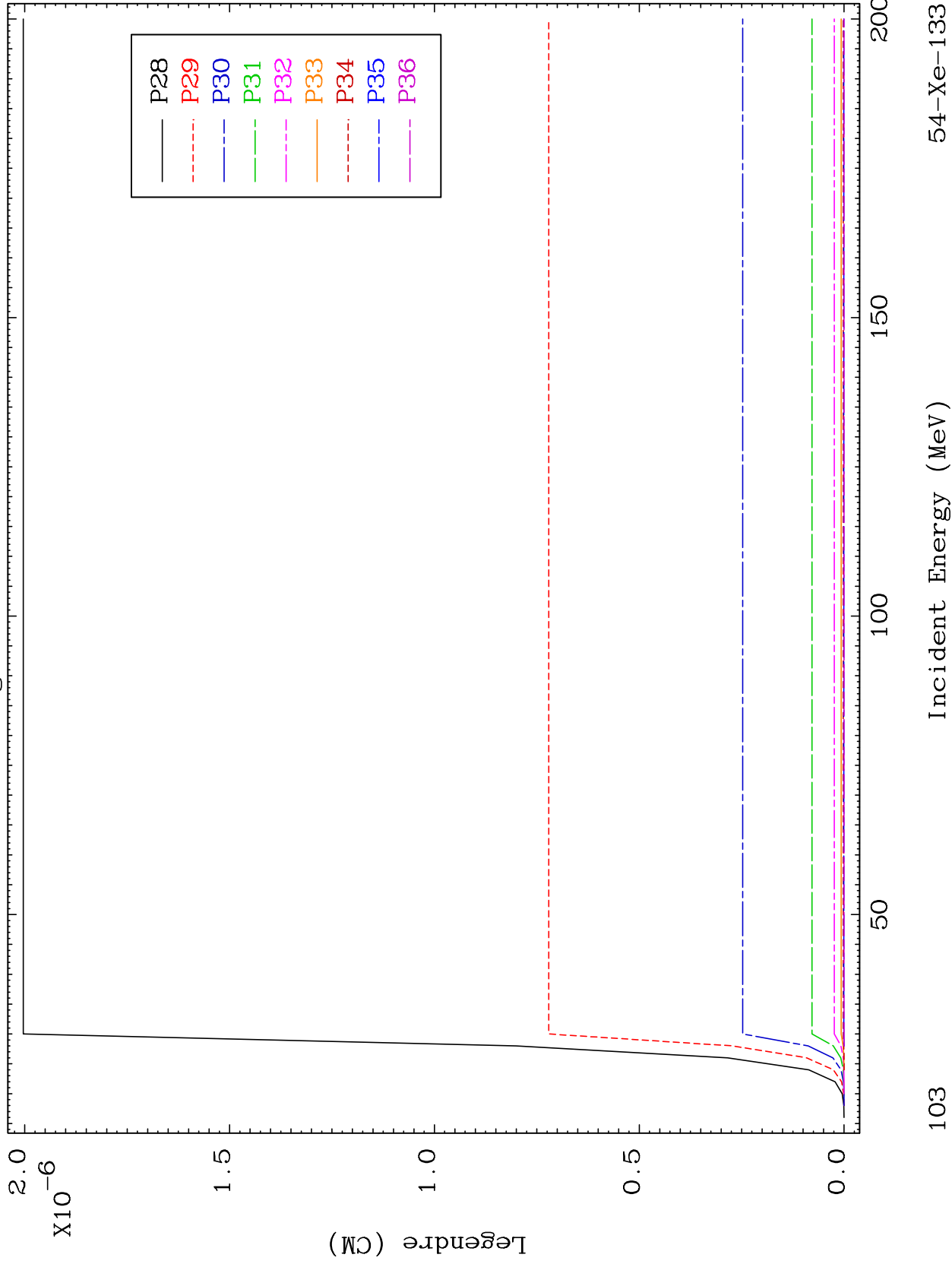
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.744 MeV (n, n') Level
Legendre Coefficients

54-Xe-133



103

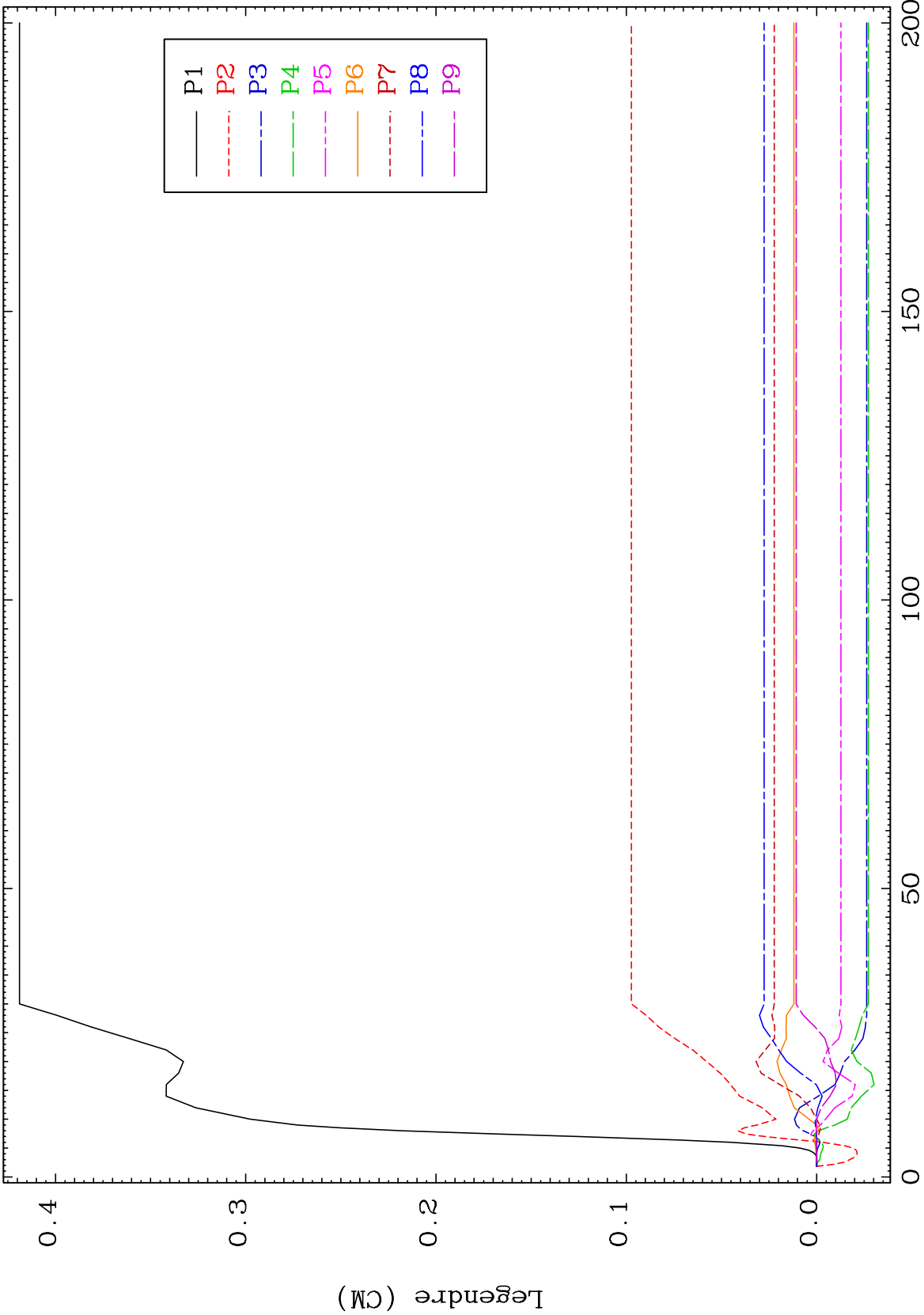
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.790 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



104

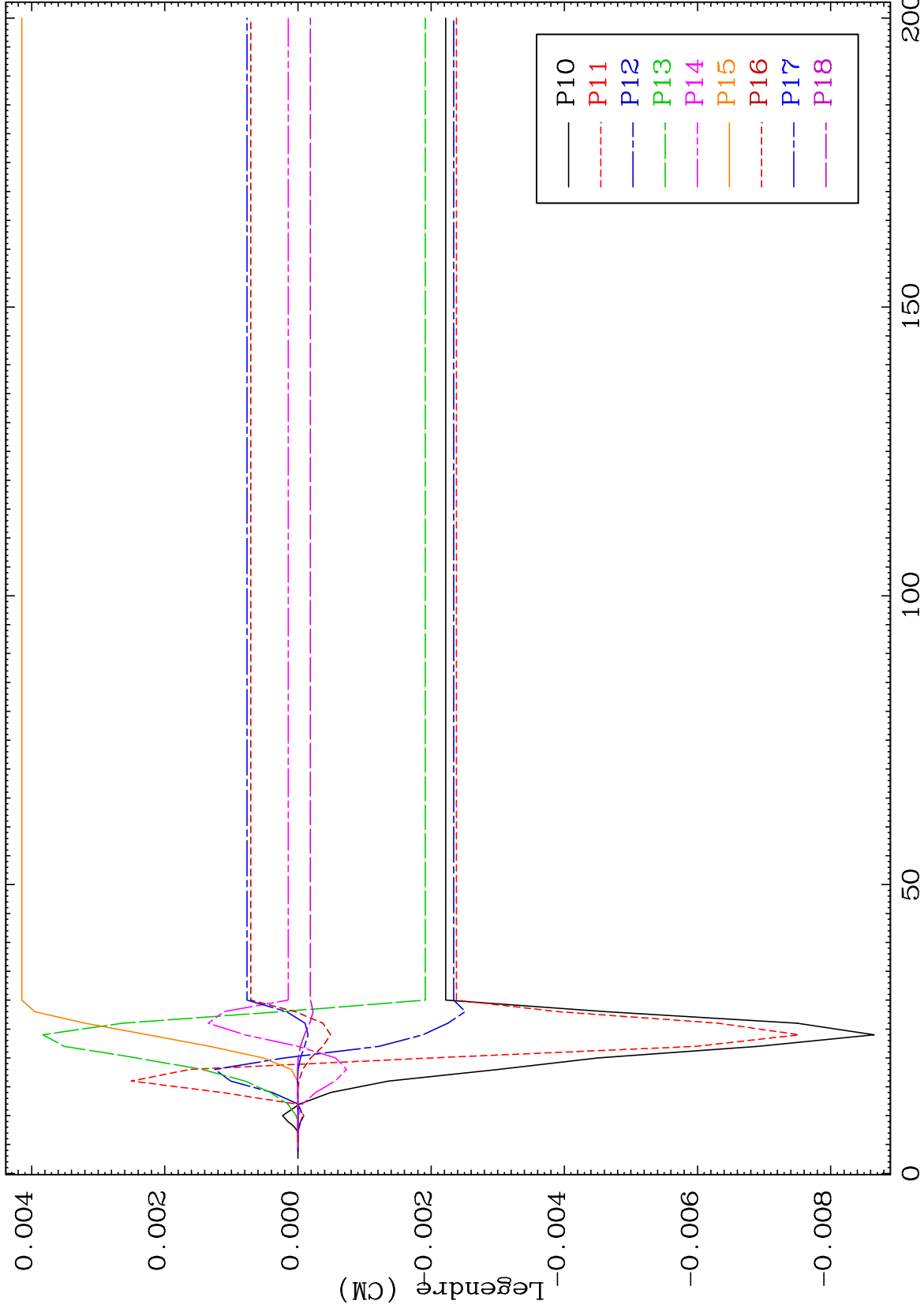
Incident Energy (MeV)

54-Xe-133

MAT 5452

1.790 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

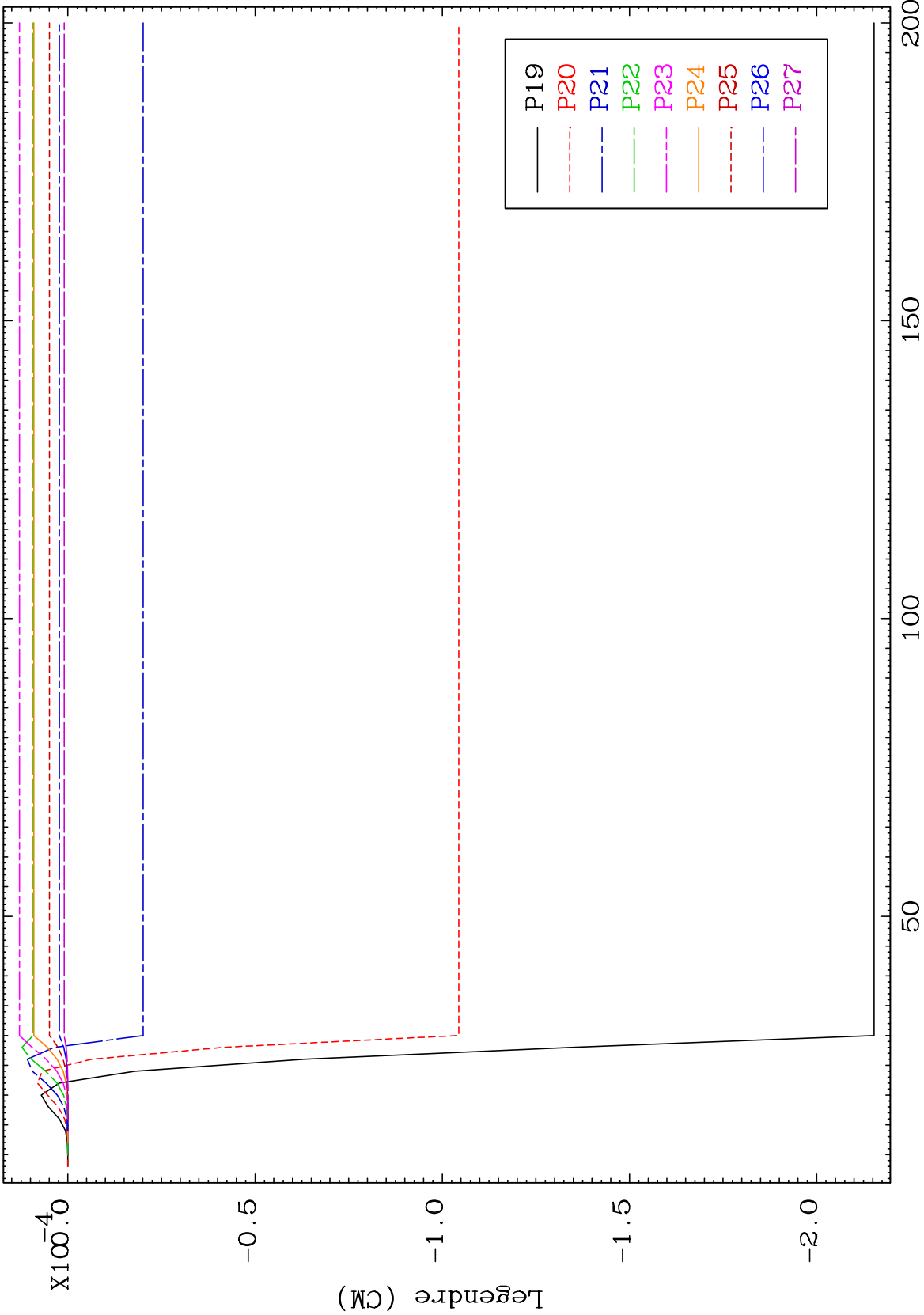


54-Xe-133

Incident Energy (MeV)

105

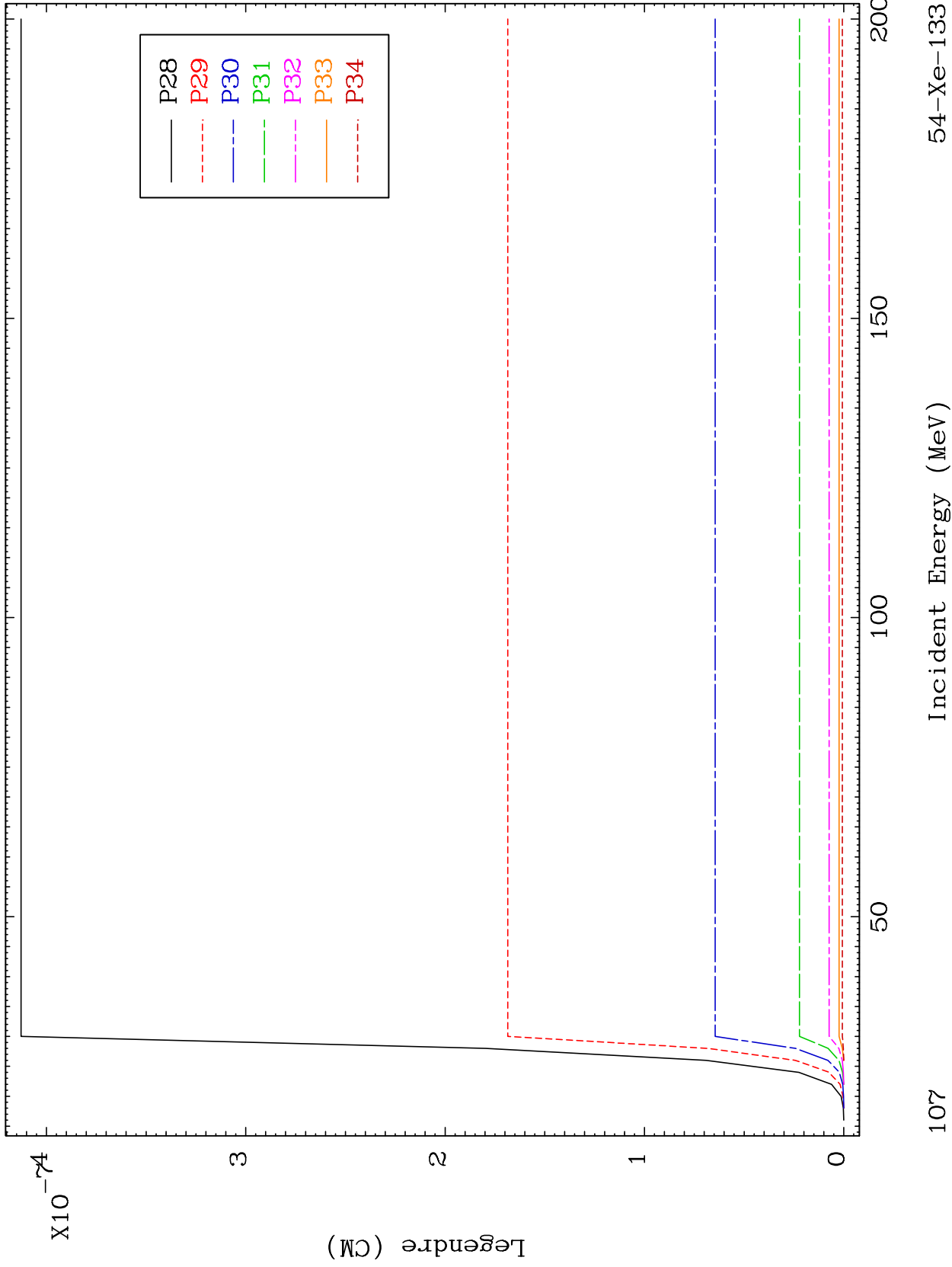
Legendre Coefficients



MAT 5452

1.790 MeV (n,n') Level
Legendre Coefficients

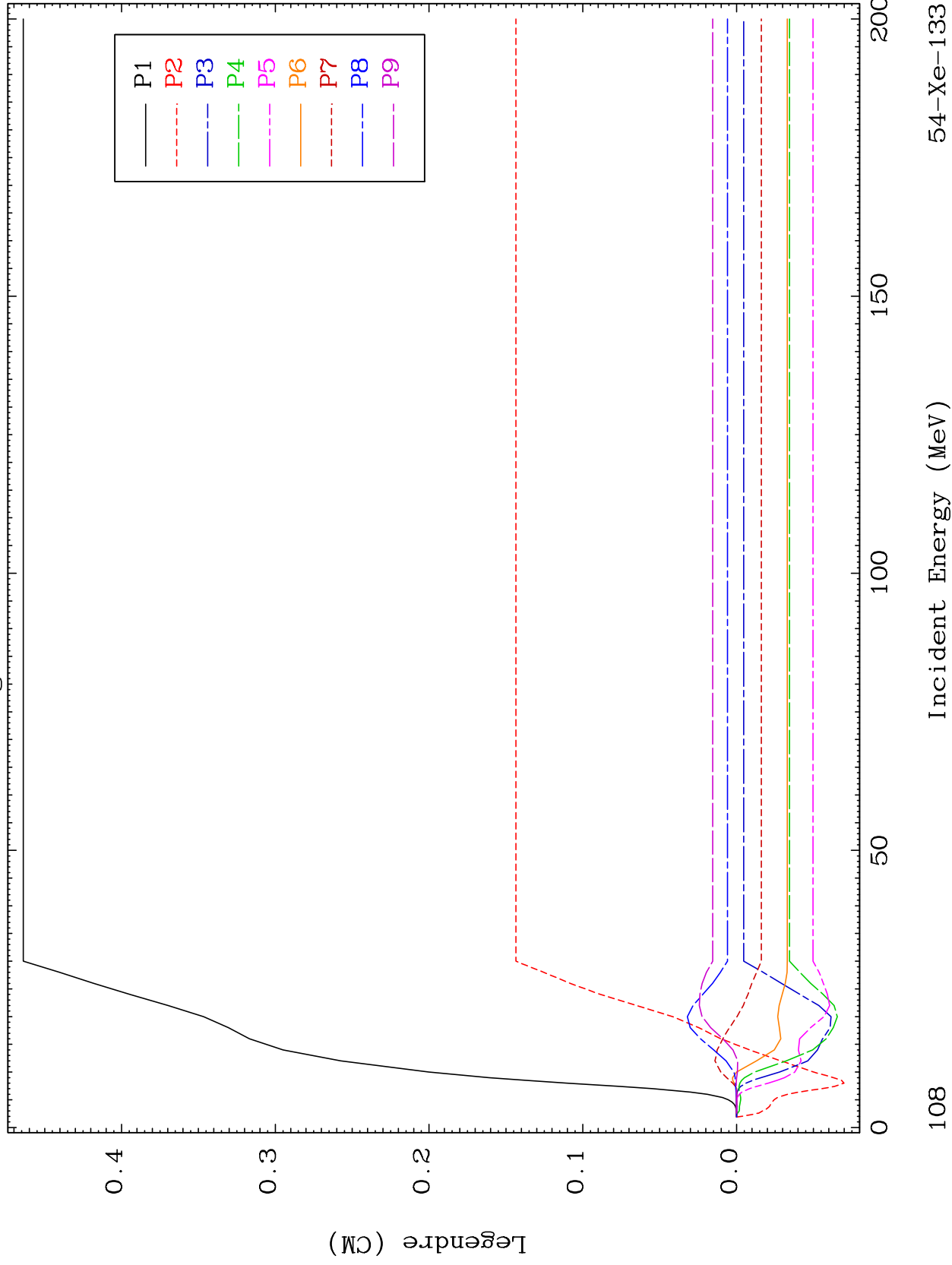
54-Xe-133



MAT 5452

1.862 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

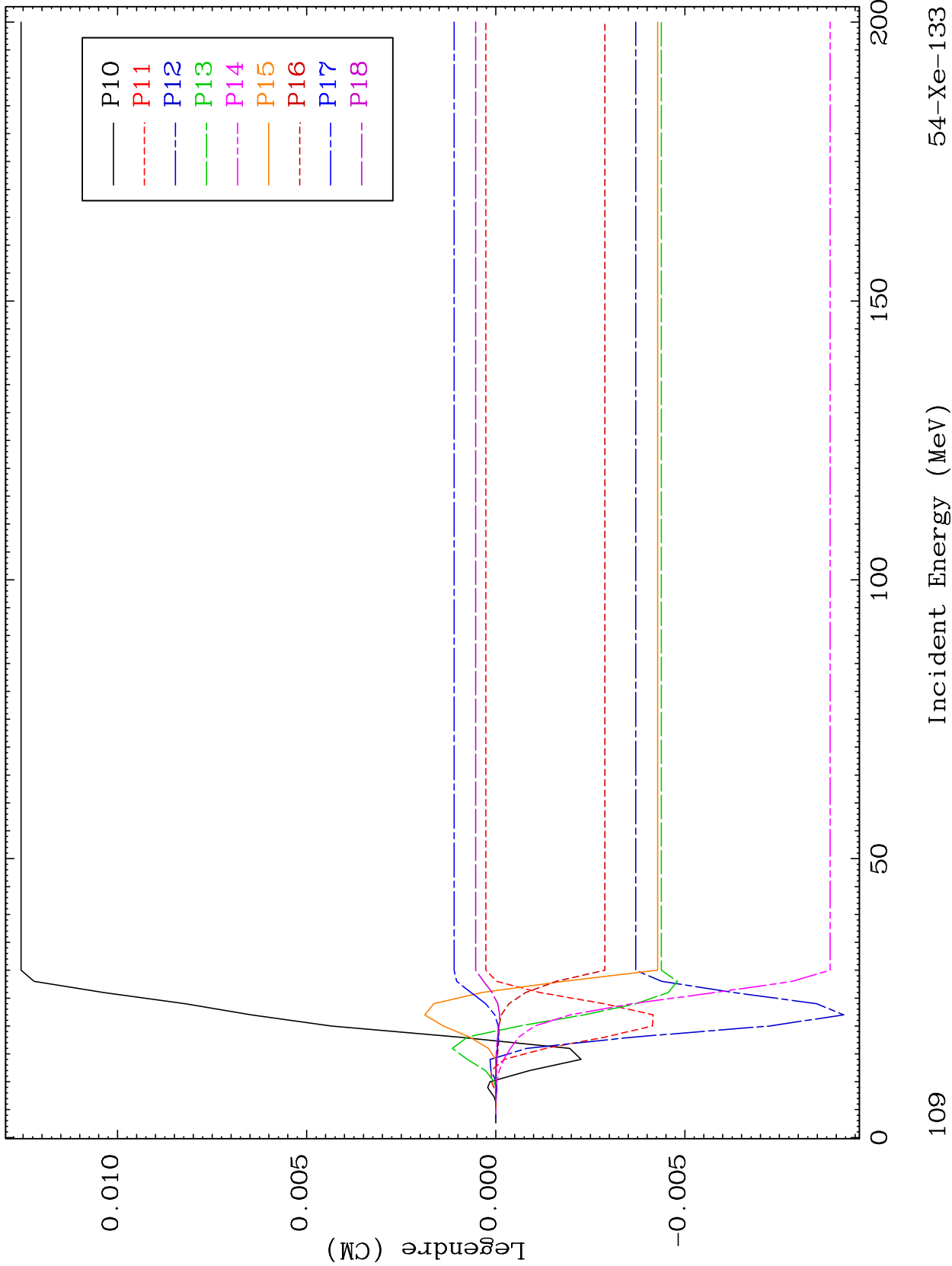
Incident Energy (MeV)

108

MAT 5452

1.862 MeV (n,n') Level
Legendre Coefficients

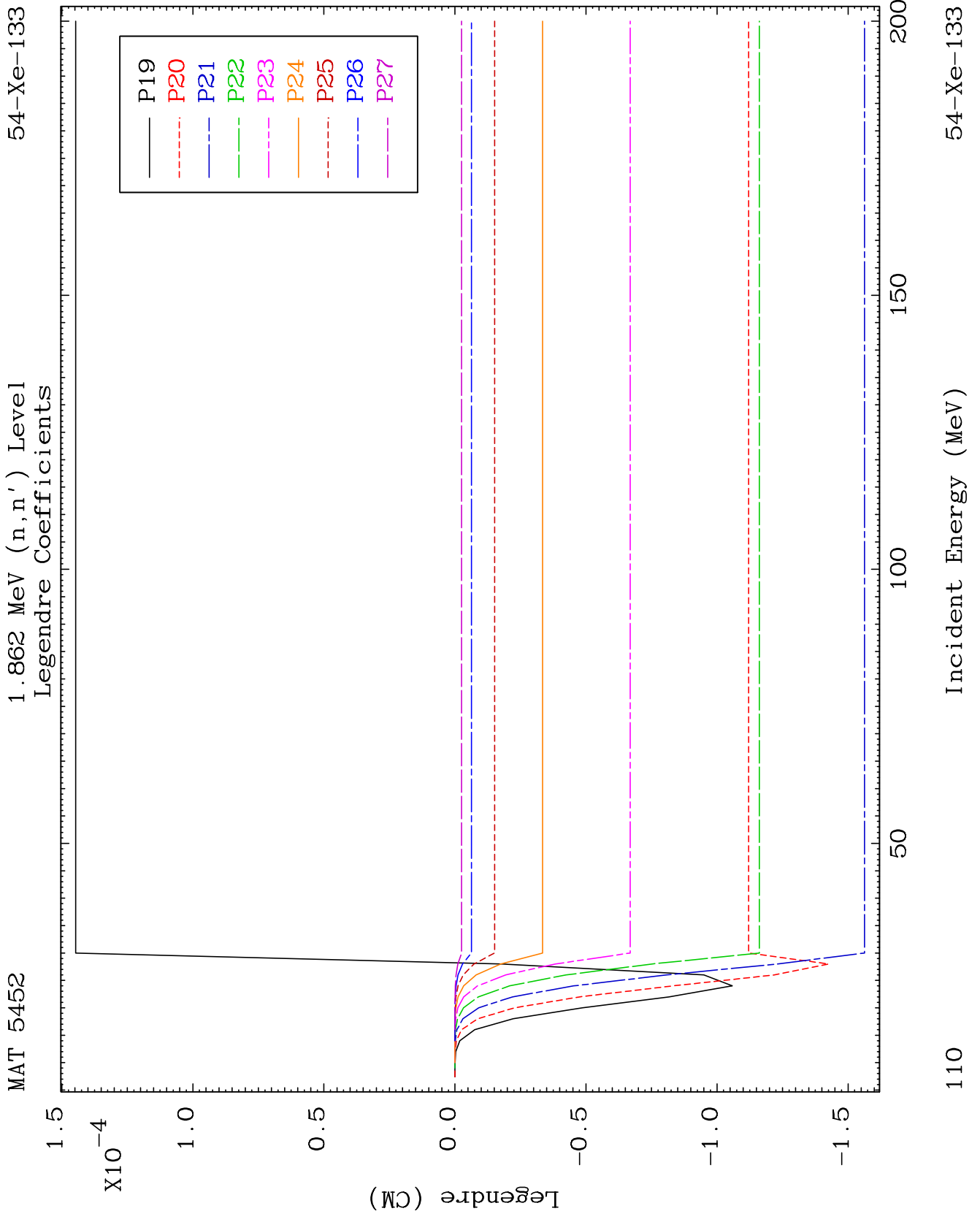
54-Xe-133

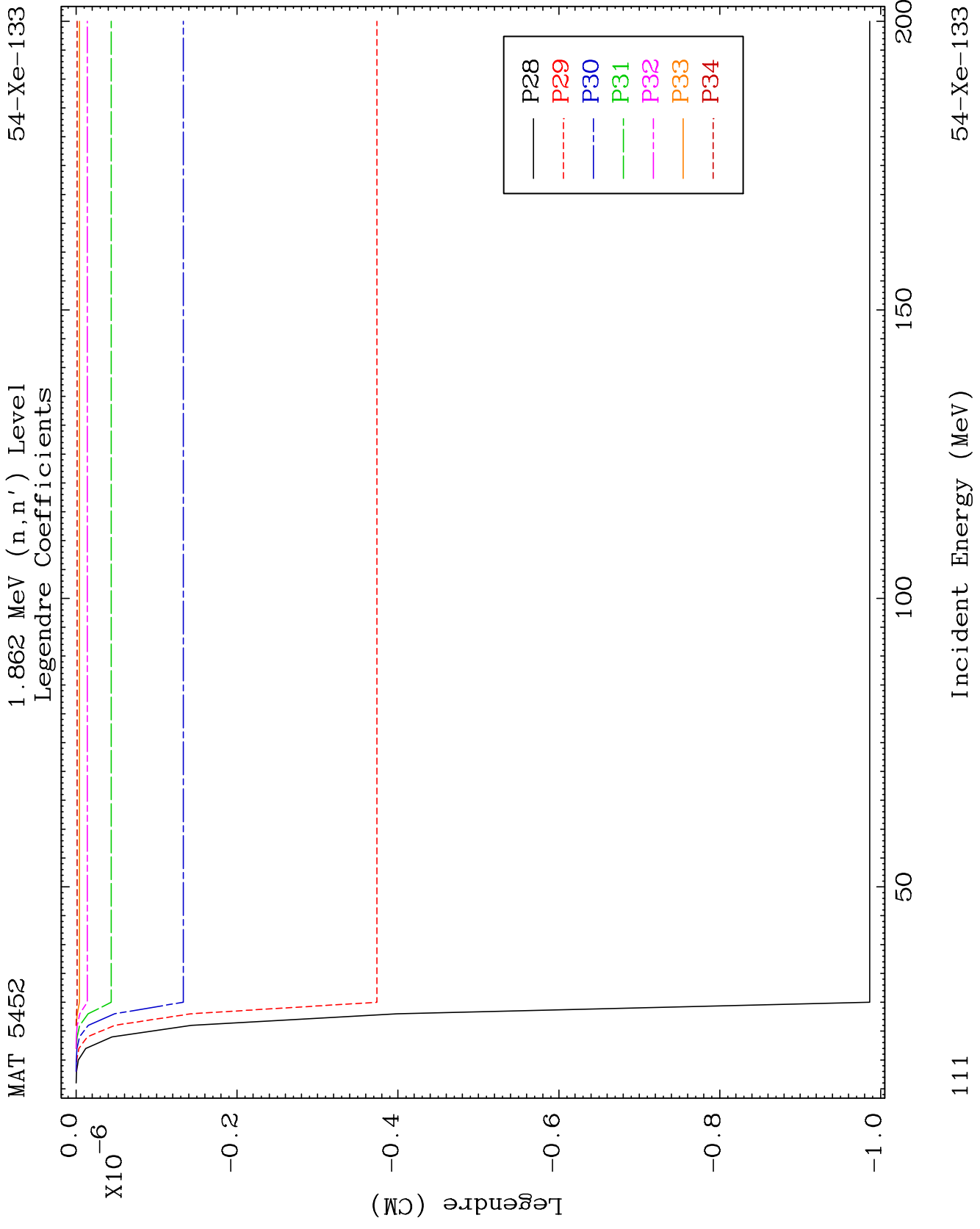


109

Incident Energy (MeV)

54-Xe-133

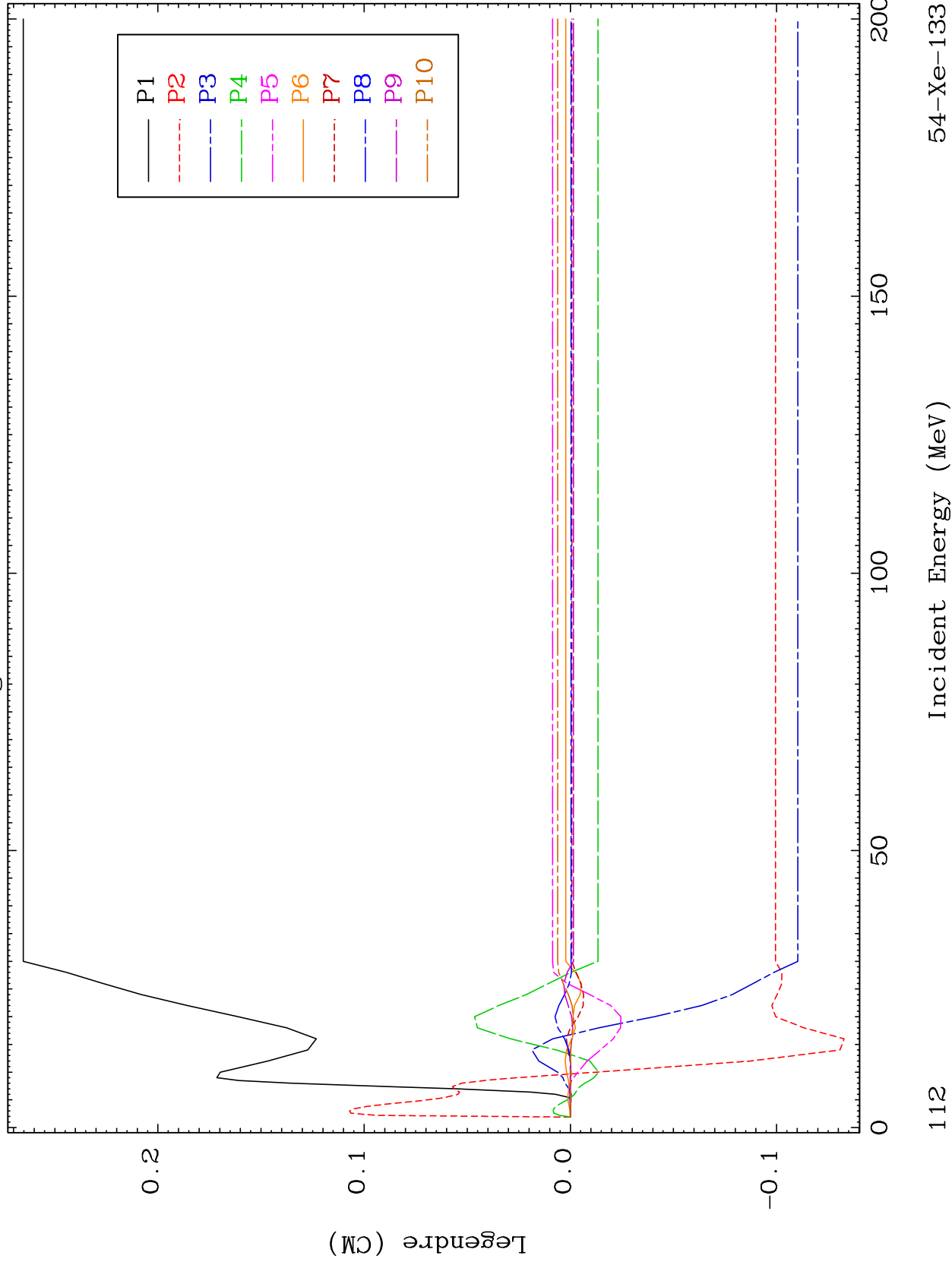




MAT 5452

1.876 MeV (n,n') Level
Legendre Coefficients

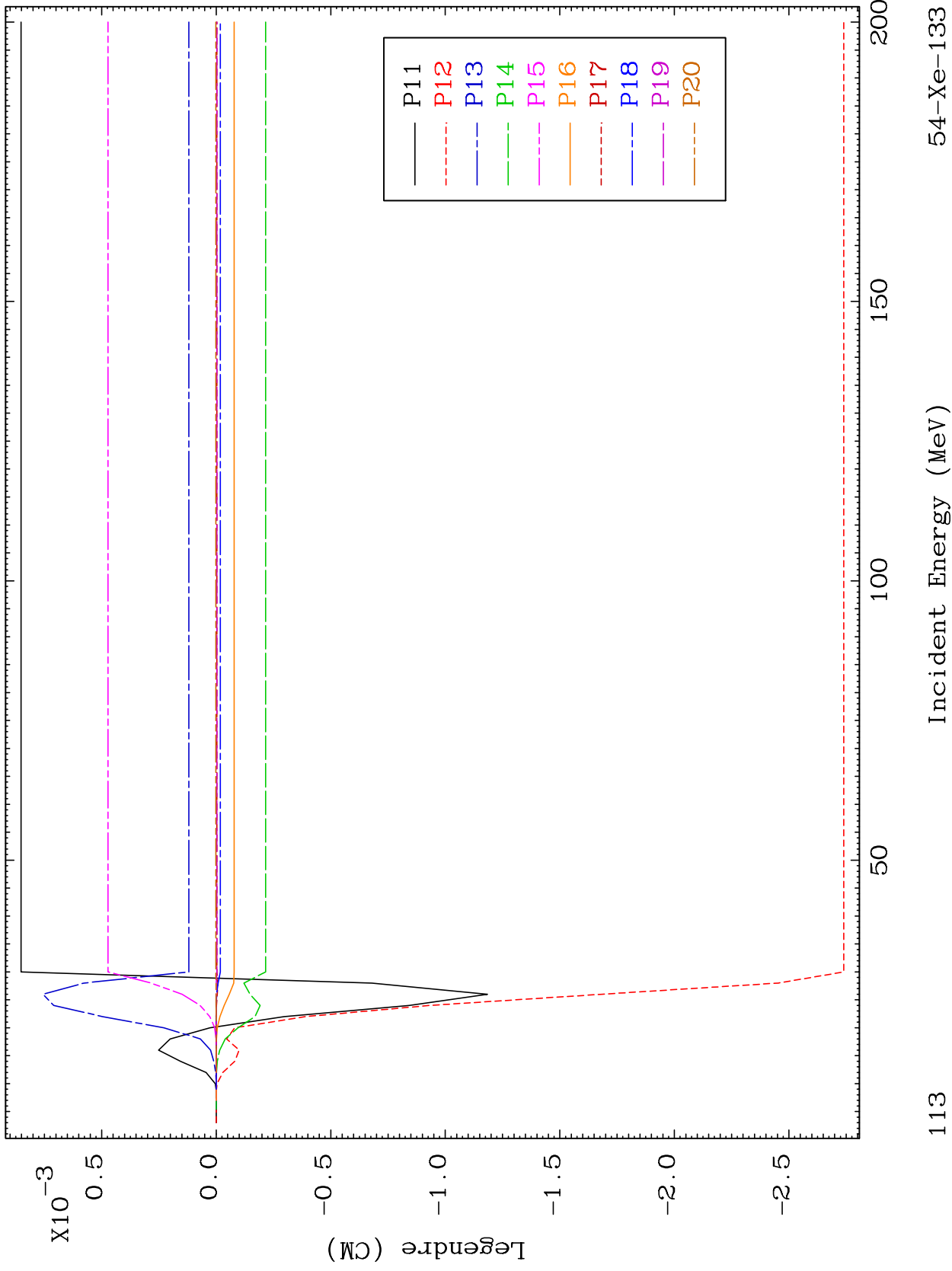
54-Xe-133



54-Xe-133

Incident Energy (MeV)

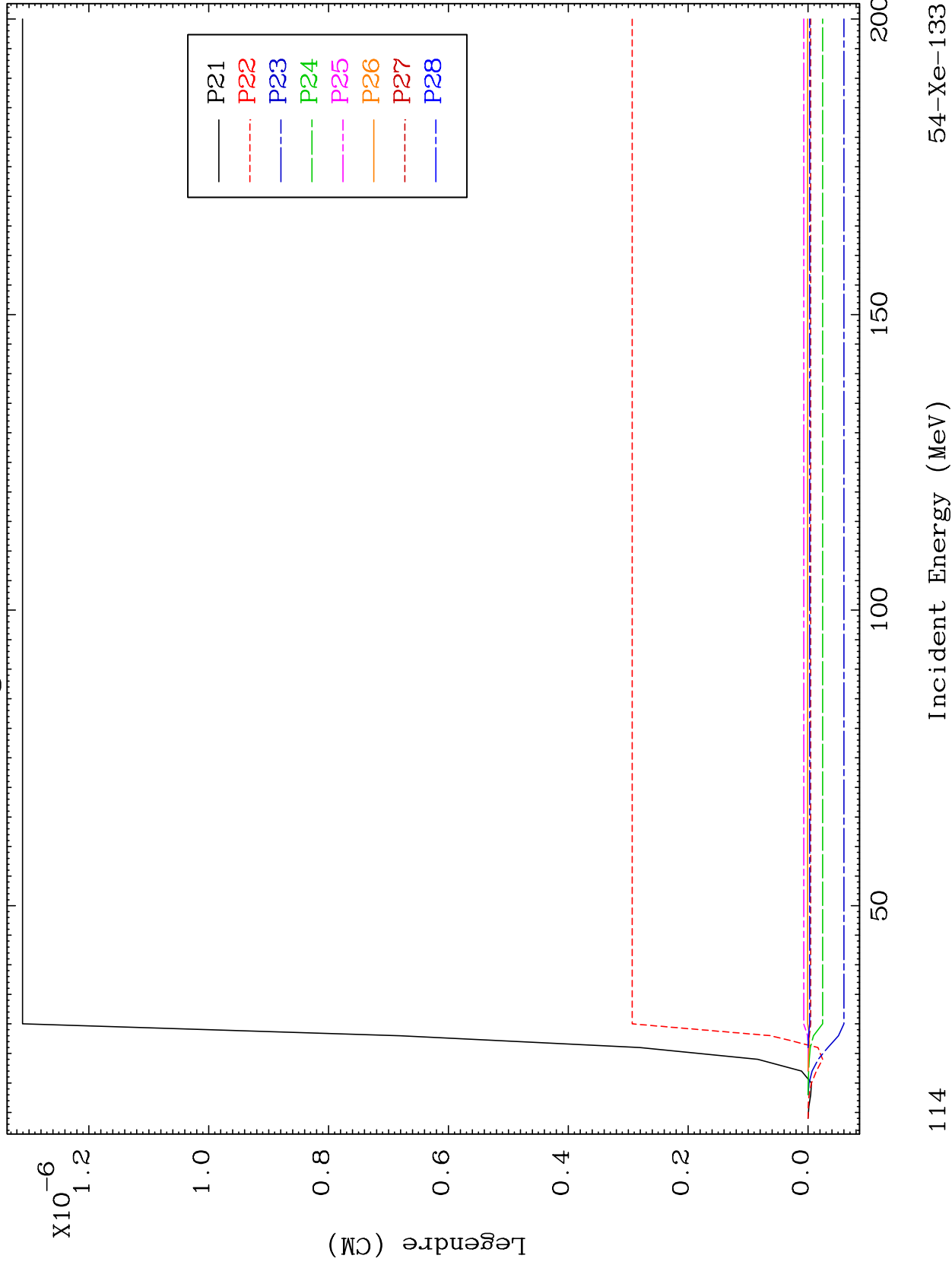
112



MAT 5452

1.876 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



114

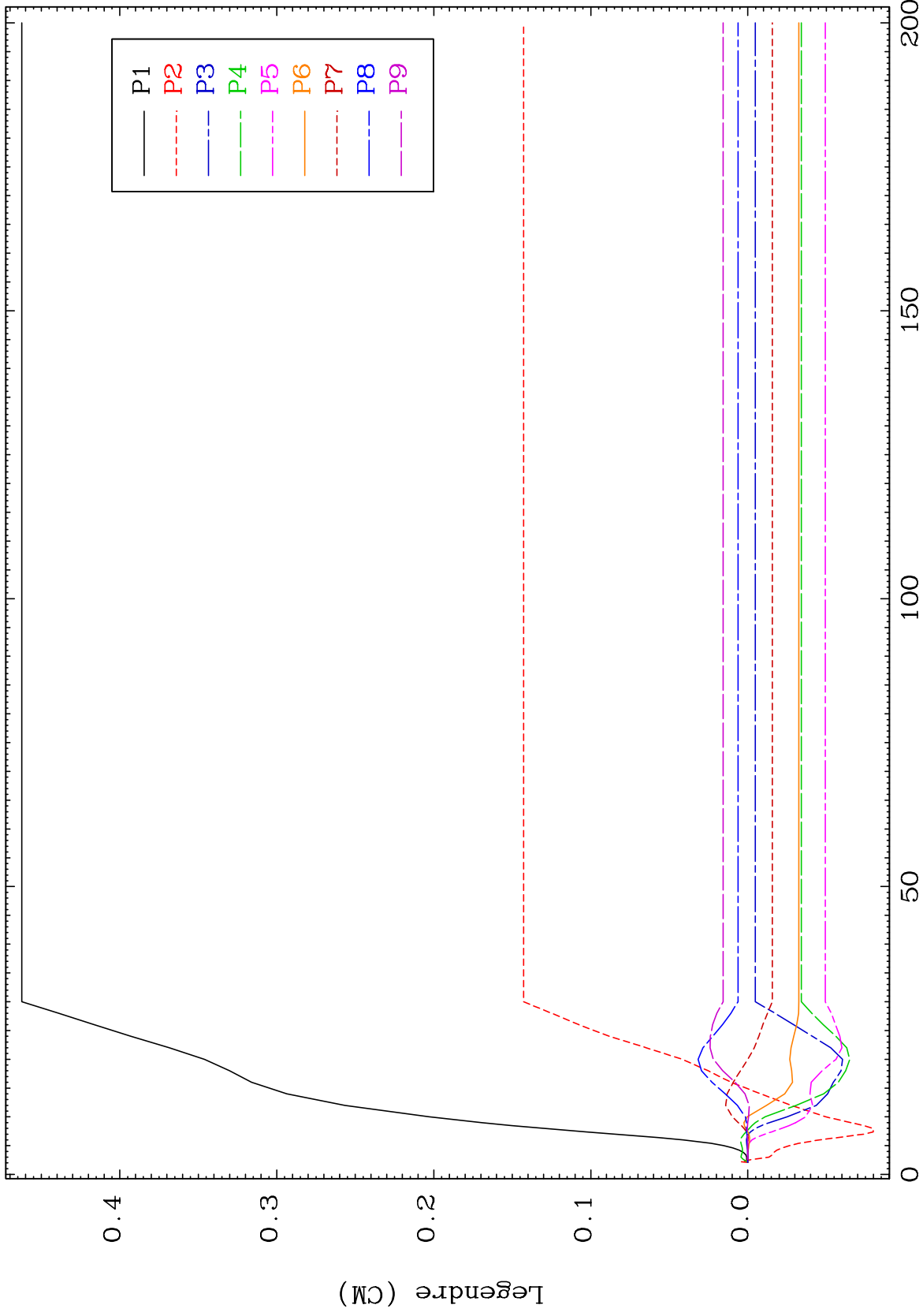
Incident Energy (MeV)

54-Xe-133

MAT 5452

2.062 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

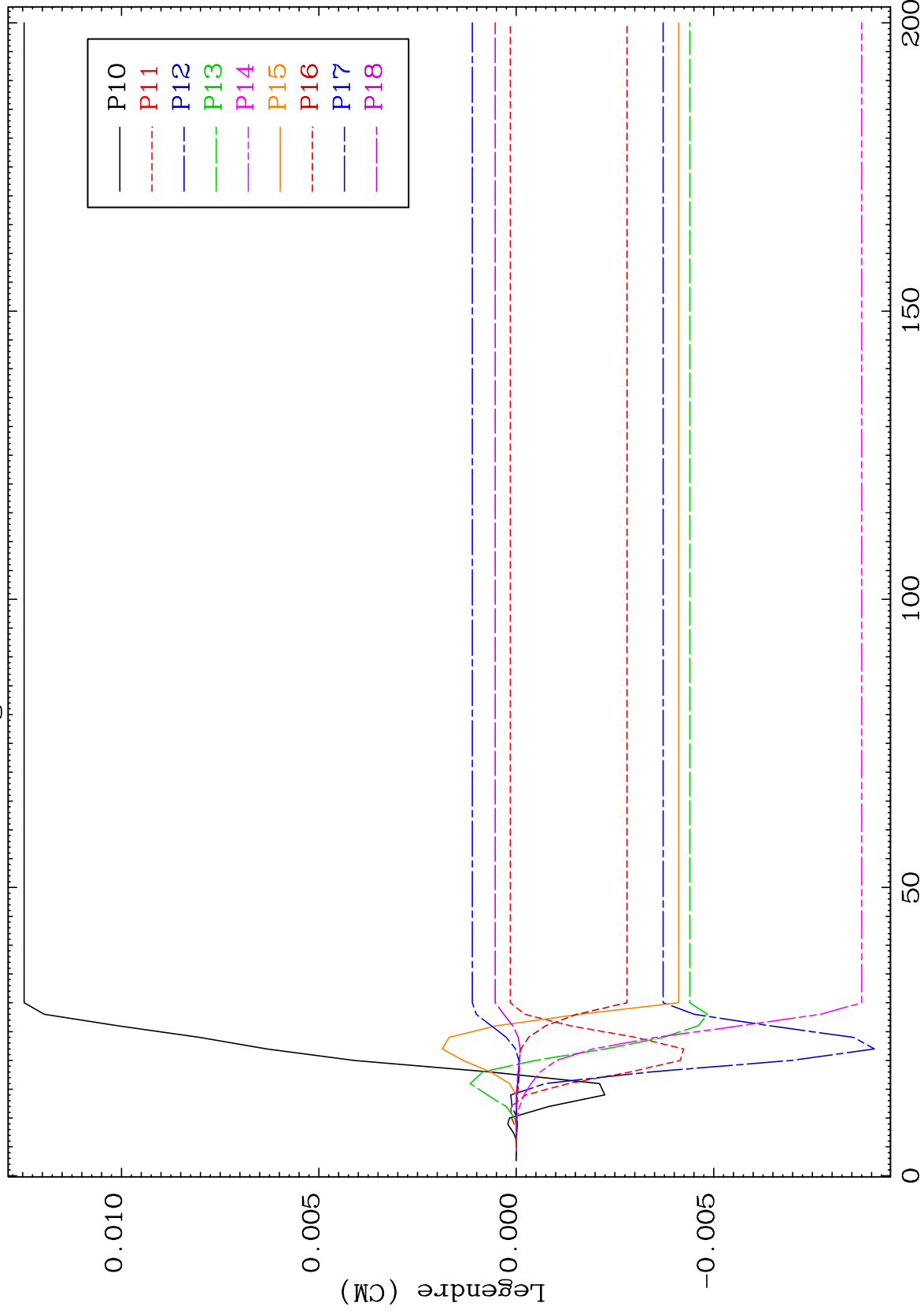
Incident Energy (MeV)

115

MAT 5452

2.062 MeV (n,n') Level
Legendre Coefficients

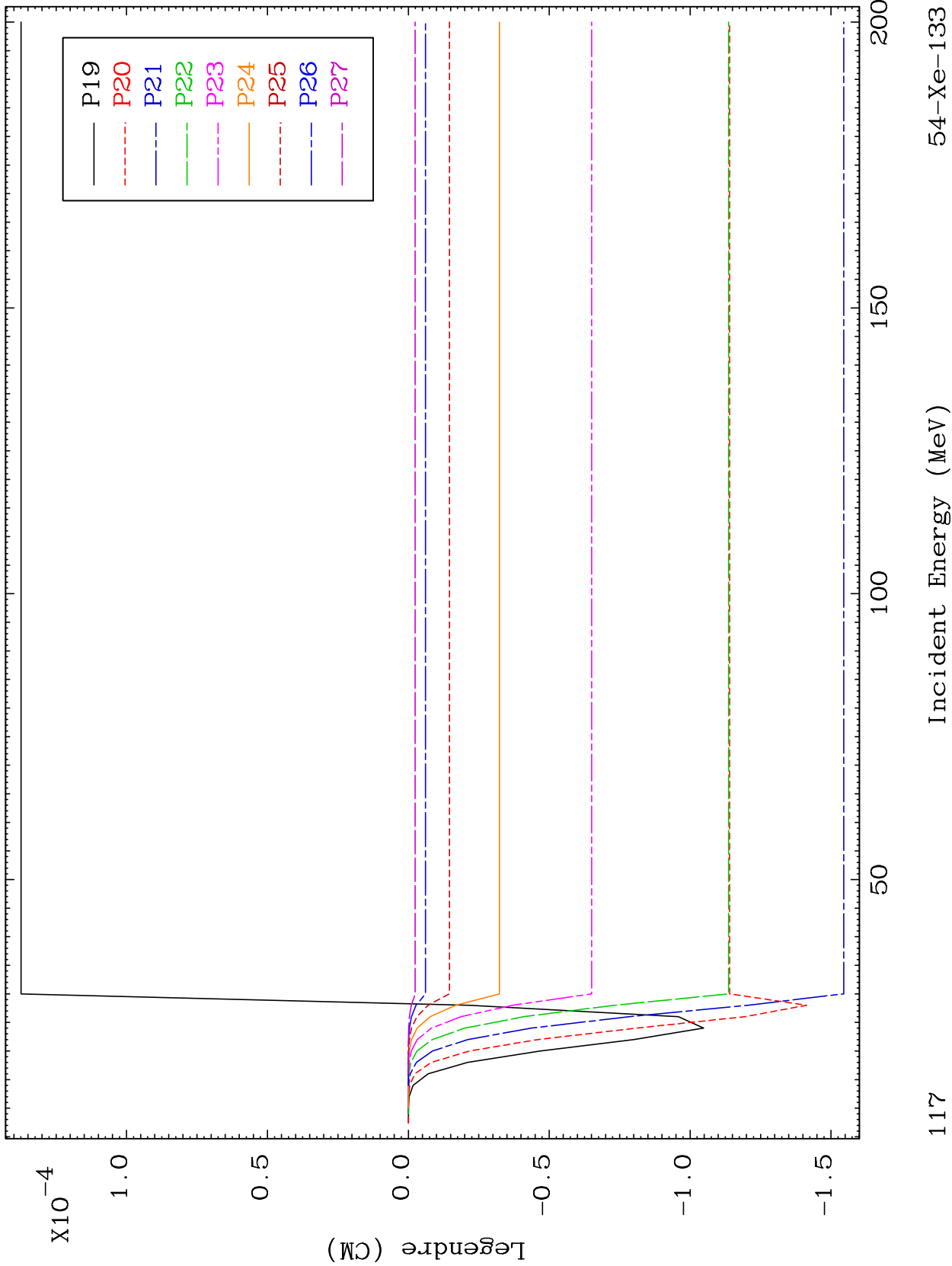
54-Xe-133

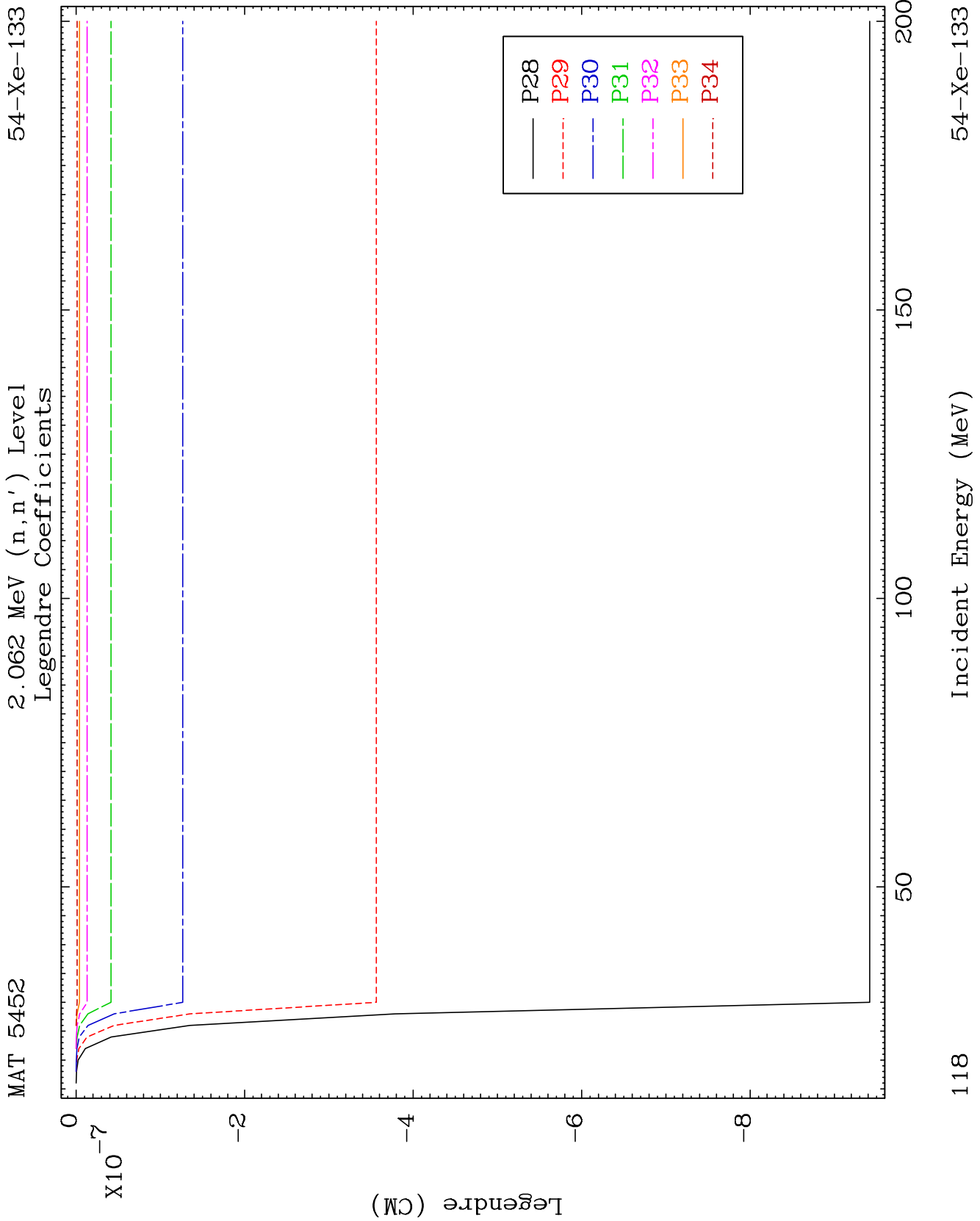


116

Incident Energy (MeV)

54-Xe-133

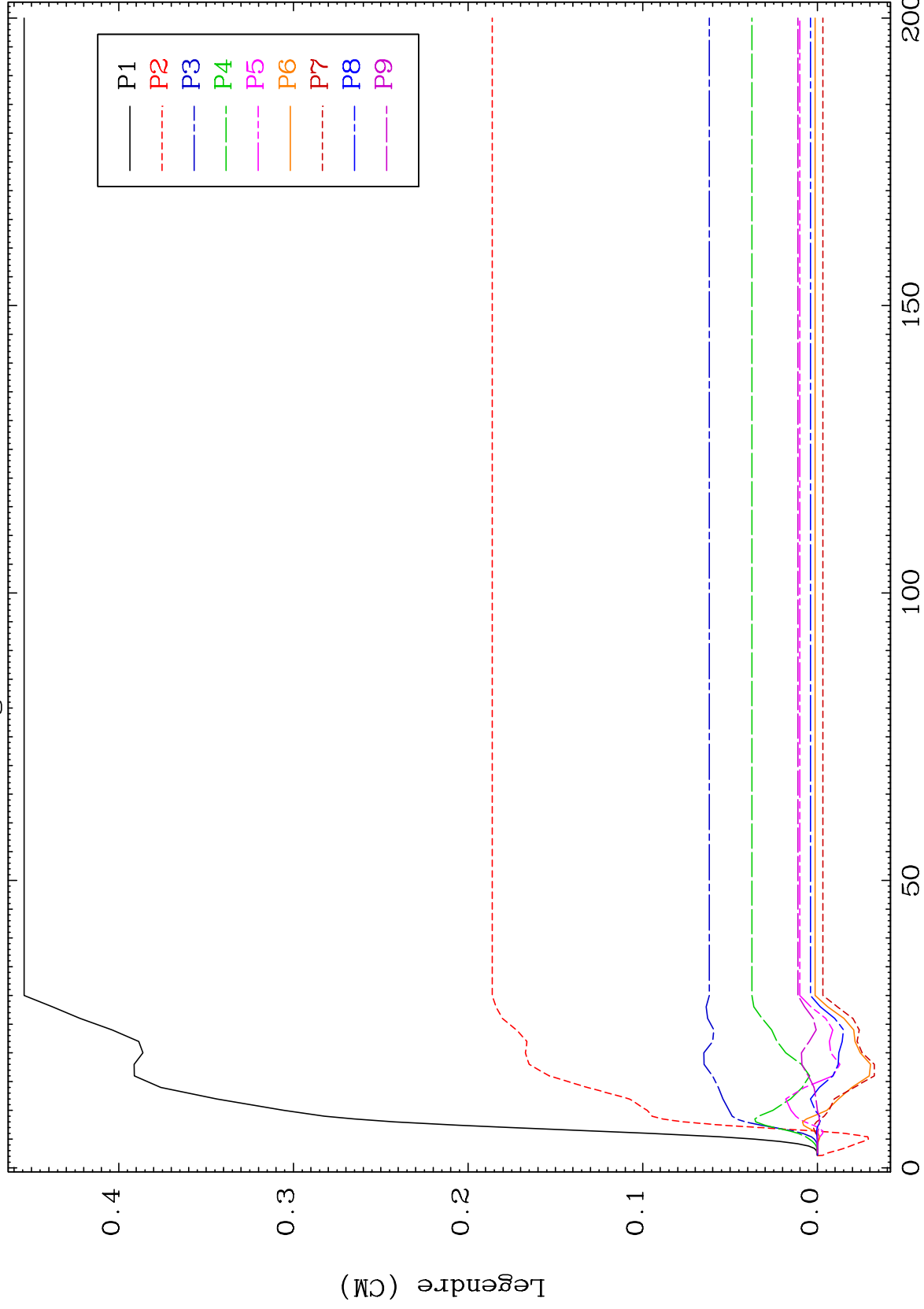




MAT 5452

2.093 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



119

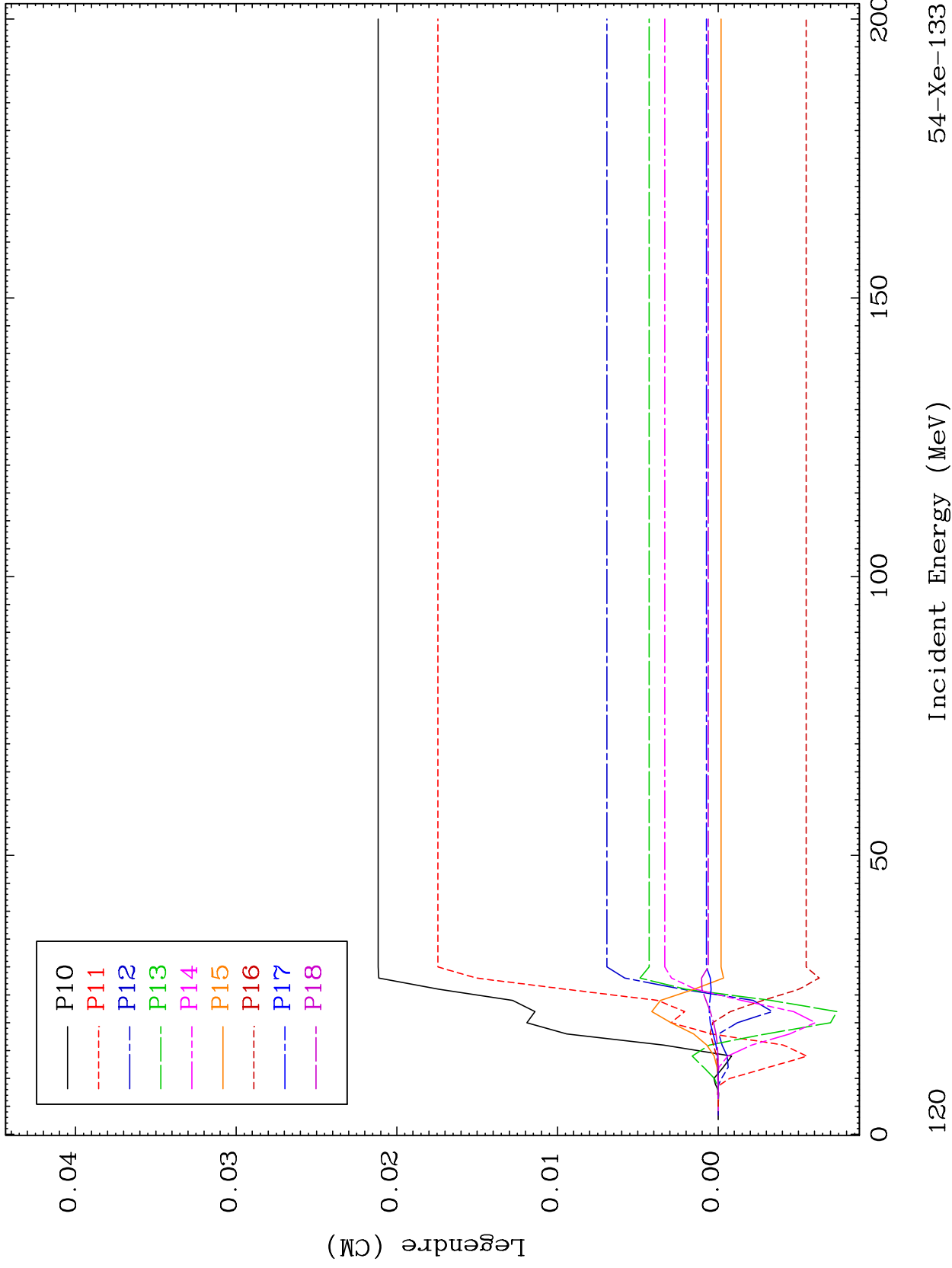
Incident Energy (MeV)

54-Xe-133

MAT 5452

2.093 MeV (n,n') Level
Legendre Coefficients

54-Xe-133



54-Xe-133

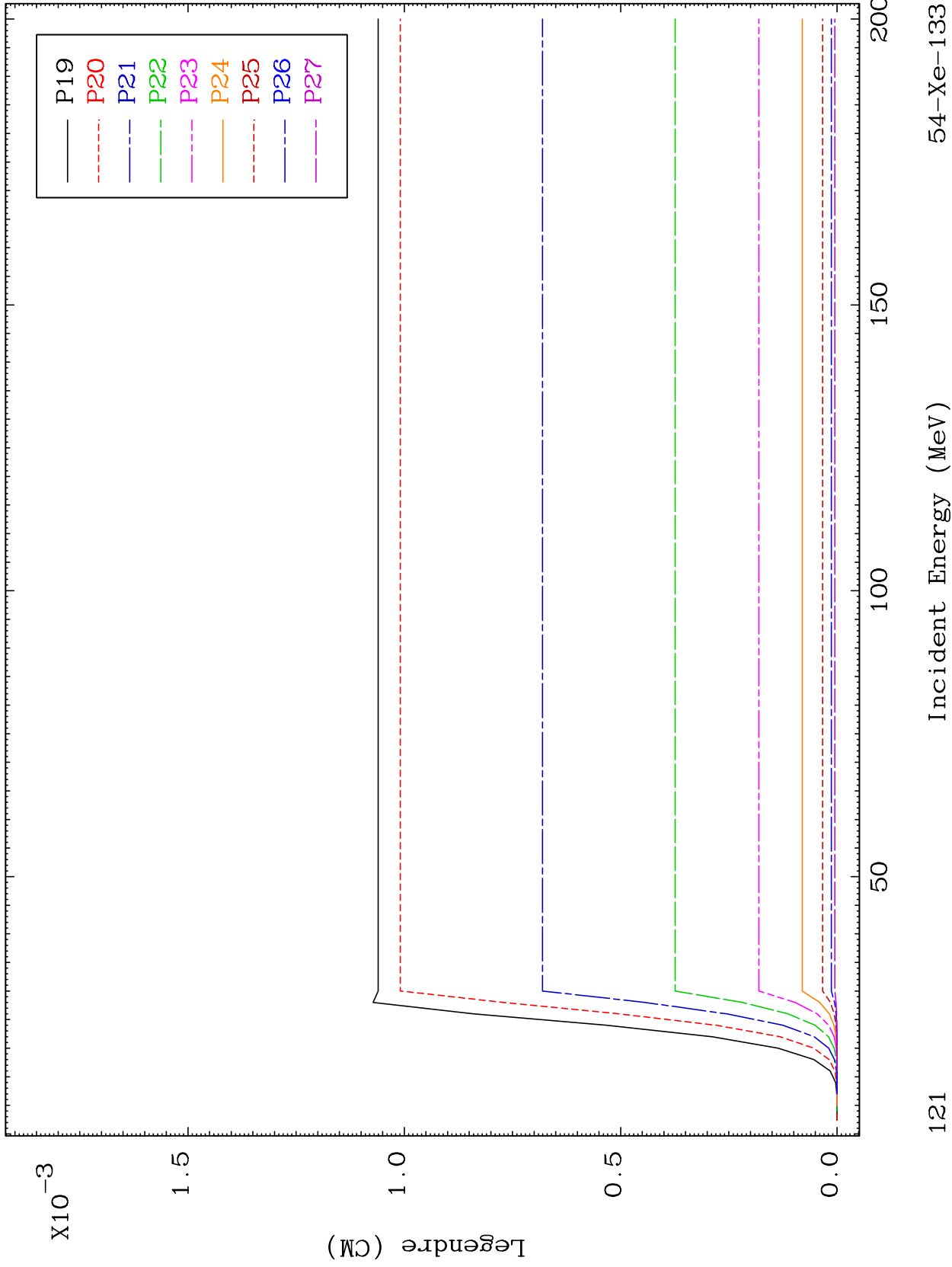
Incident Energy (MeV)

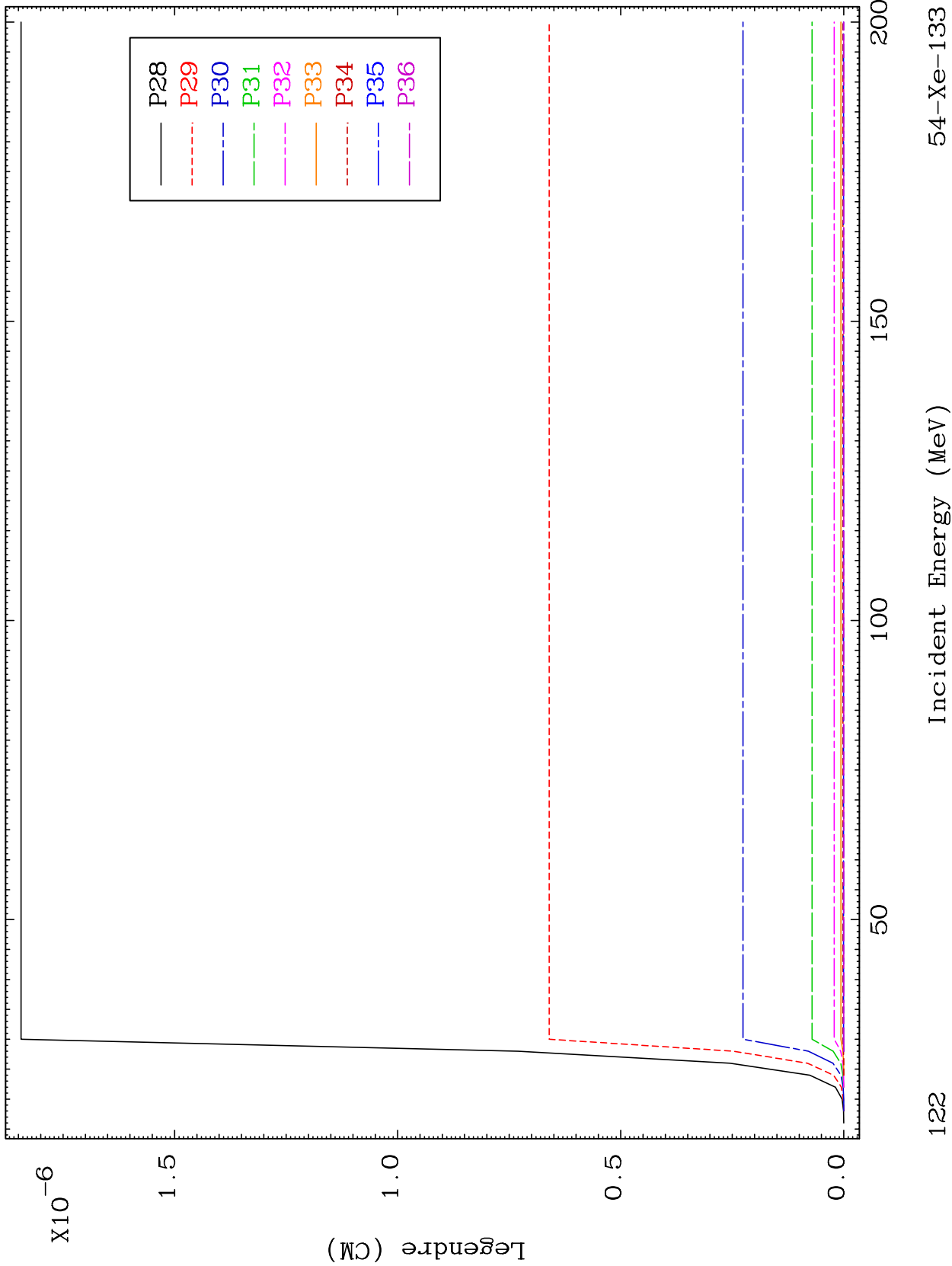
120

MAT 5452

2.093 MeV (n,n') Level
Legendre Coefficients

54-Xe-133

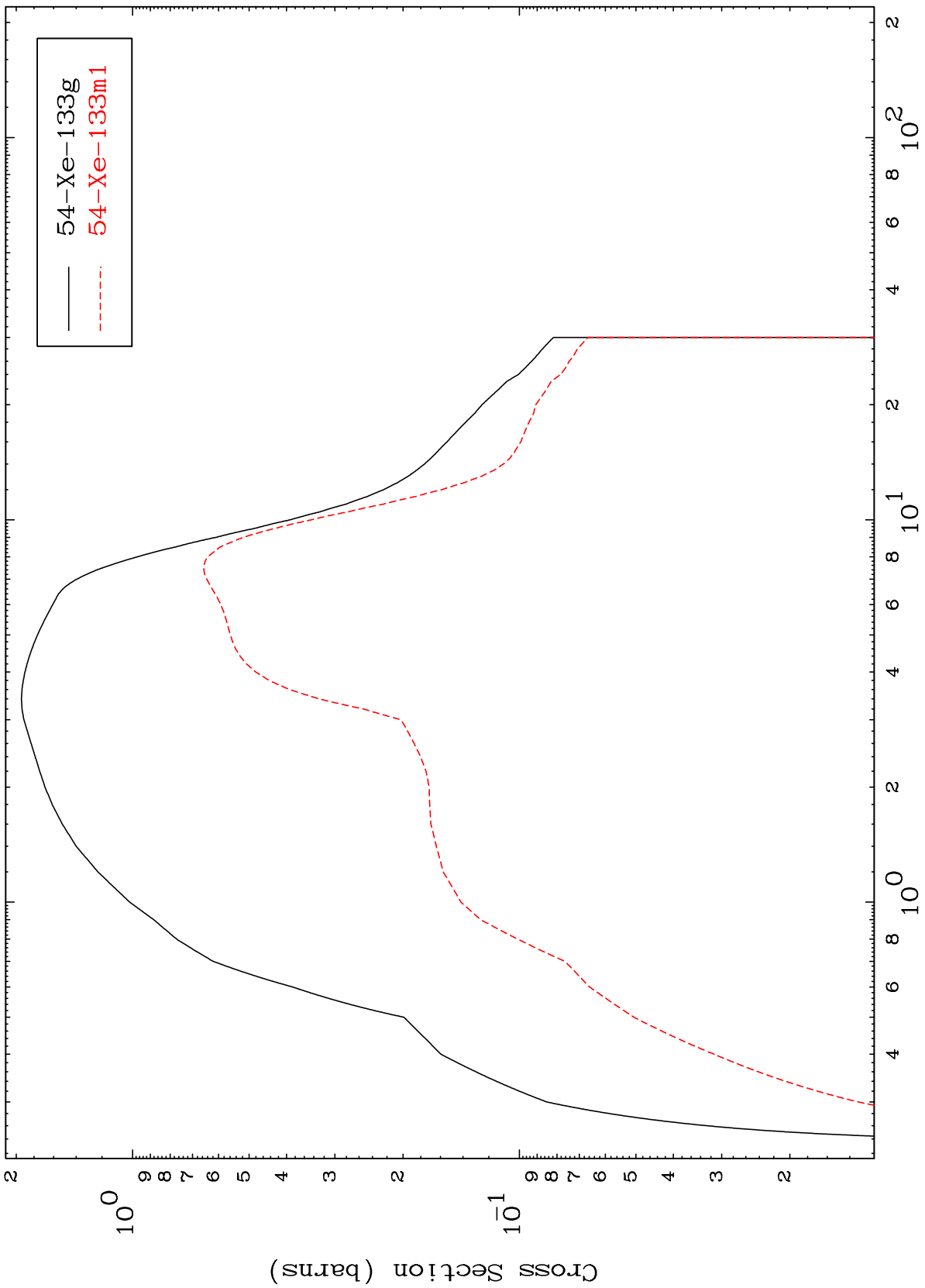




MAT 5452

54-Xe-133

Inelastic
Radionuclide Production Cross Section



54-Xe-133g
54-Xe-133m1

123

54-Xe-133

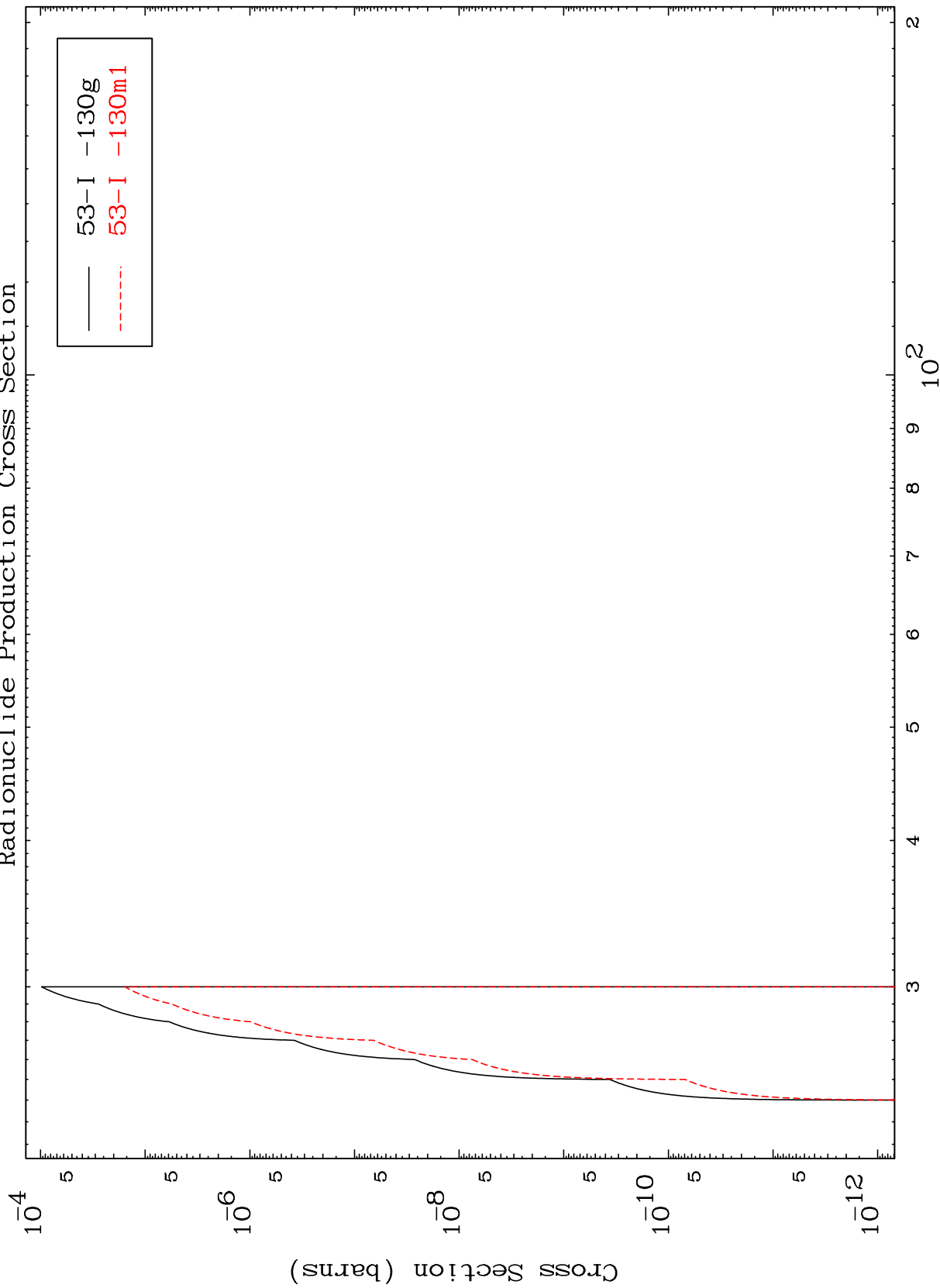
Incident Energy (MeV)

MAT 5452

(n,2n) d

54-Xe-133

Radionuclide Production Cross Section



124

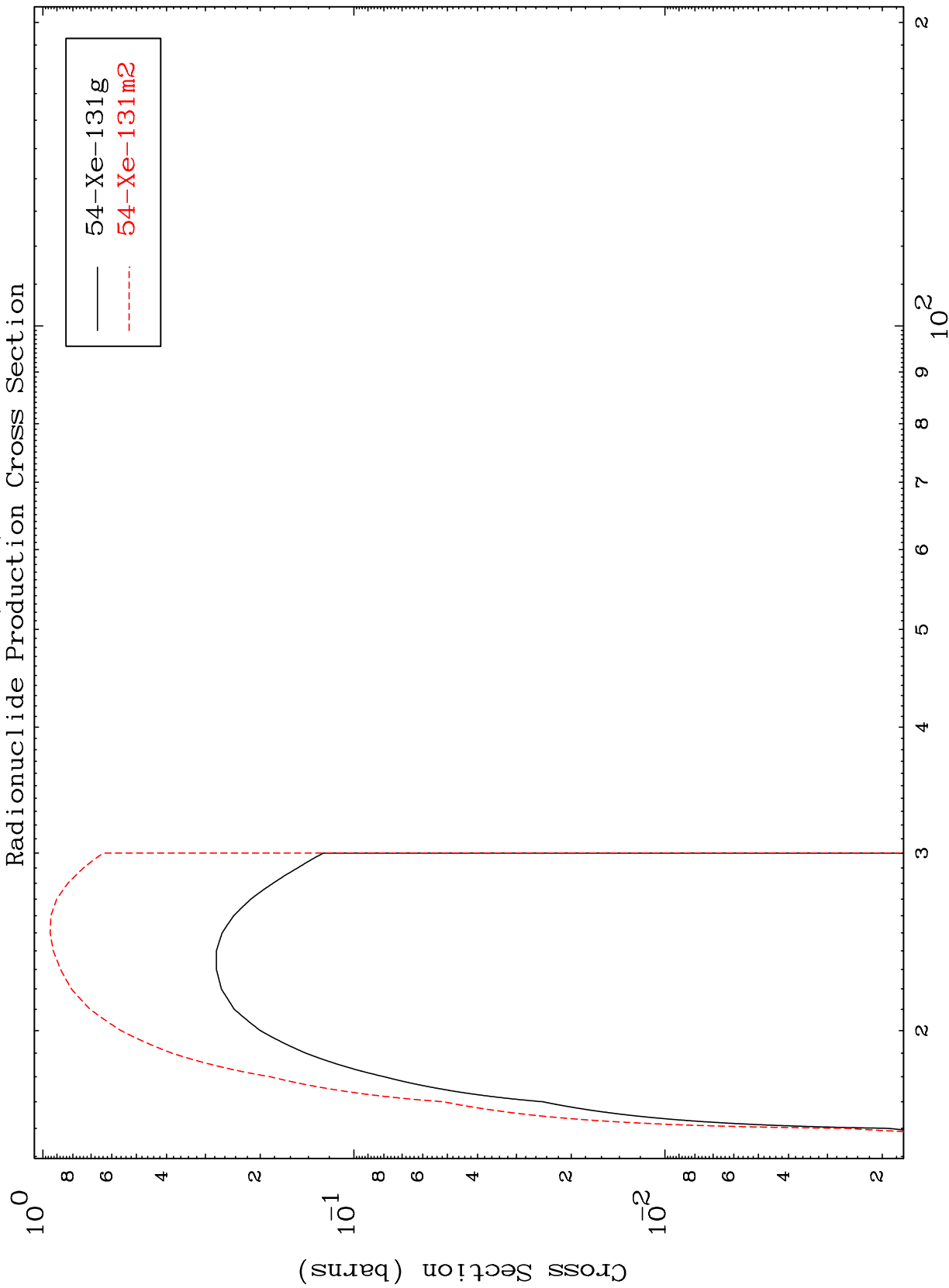
Incident Energy (MeV)

54-Xe-133

MAT 5452

54-Xe-133

(n,3n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

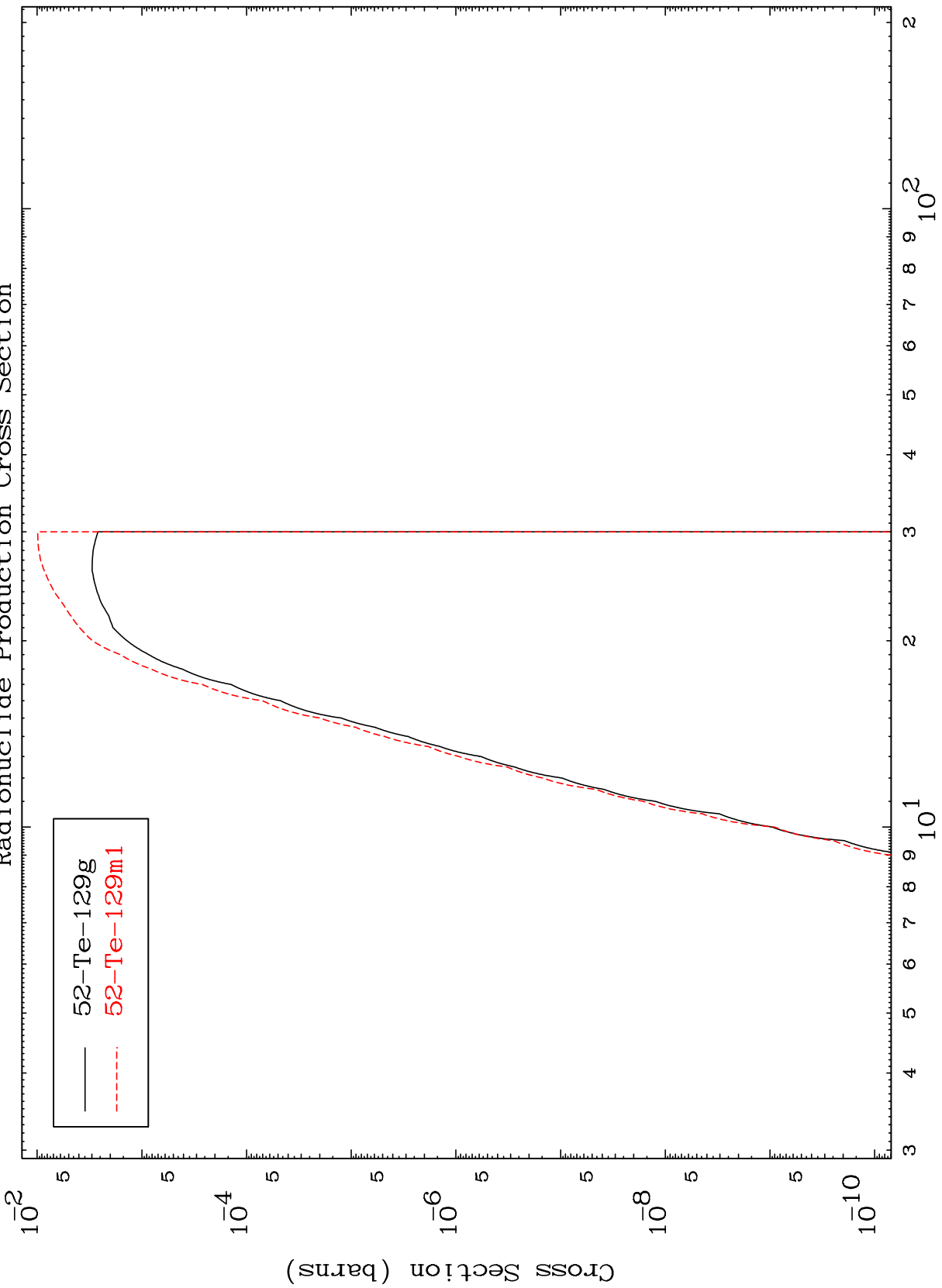
54-Xe-133

MAT 5452

54-Xe-133

(n,n') α

Radionuclide Production Cross Section



— 52-Te-129g
- - - 52-Te-129m1

54-Xe-133

Incident Energy (MeV)

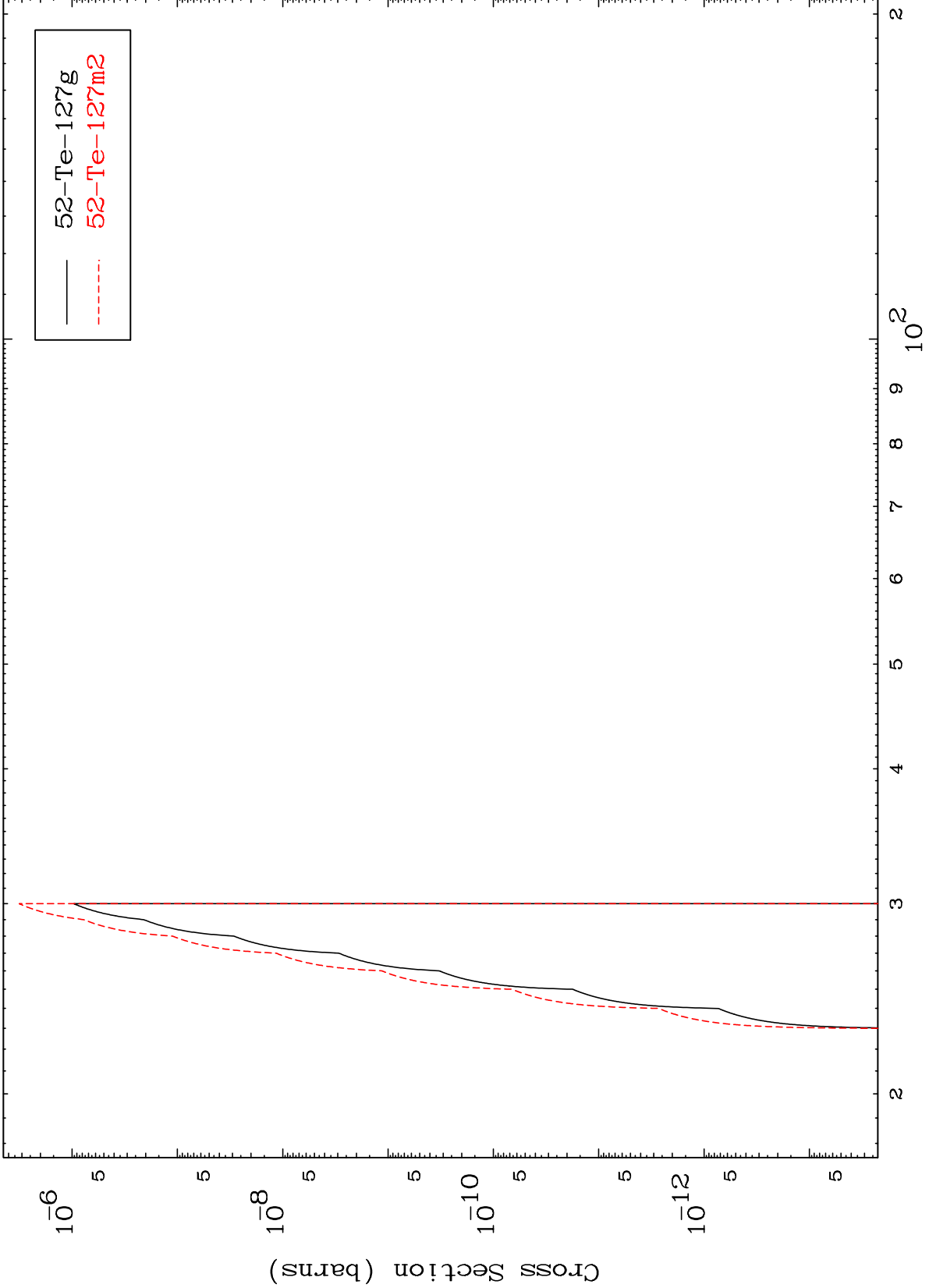
126

MAT 5452

(n,3n) α

54-Xe-133

Radionuclide Production Cross Section



127

Incident Energy (MeV)

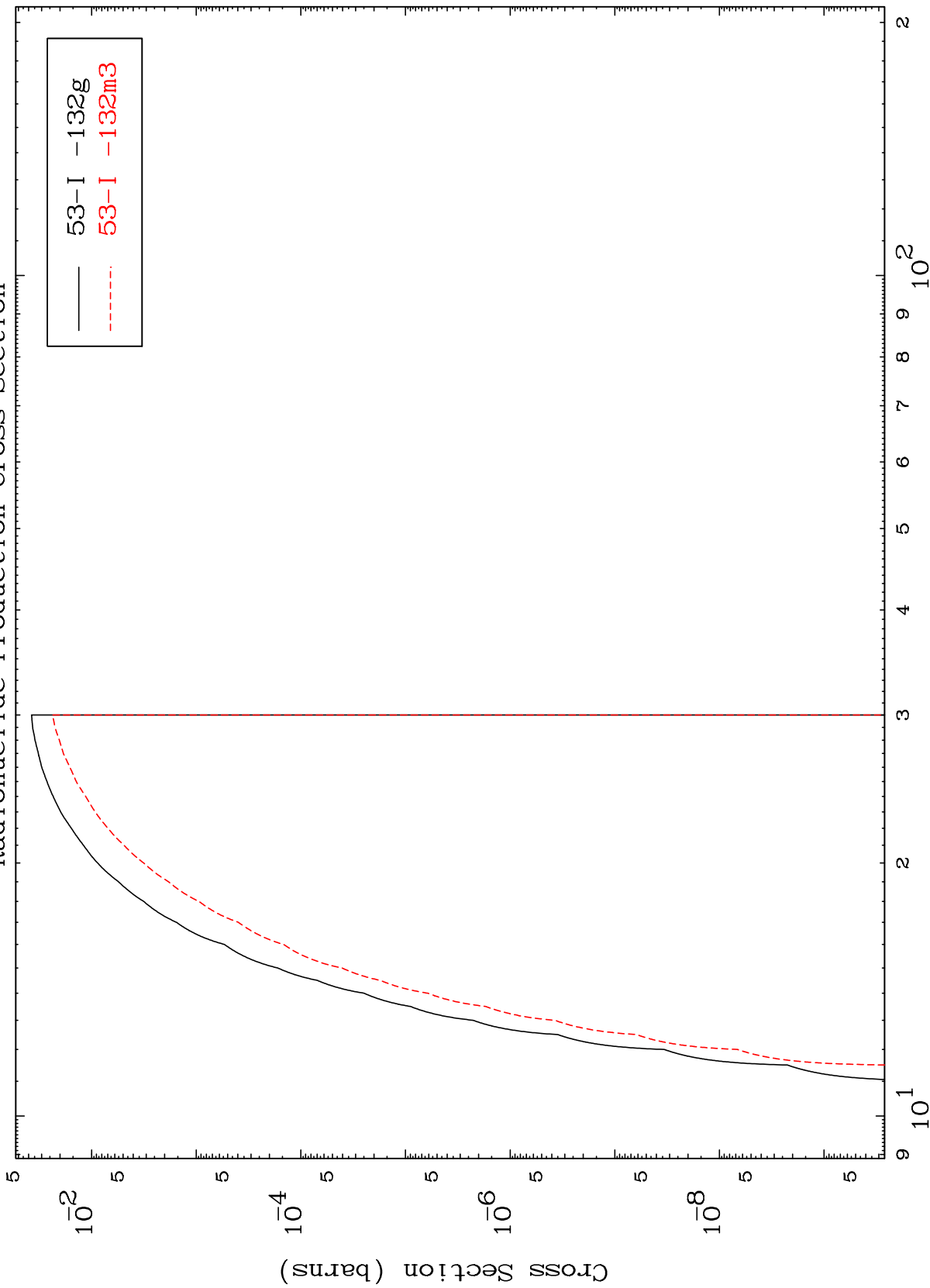
54-Xe-133

MAT 5452

(n,n') p

54-Xe-133

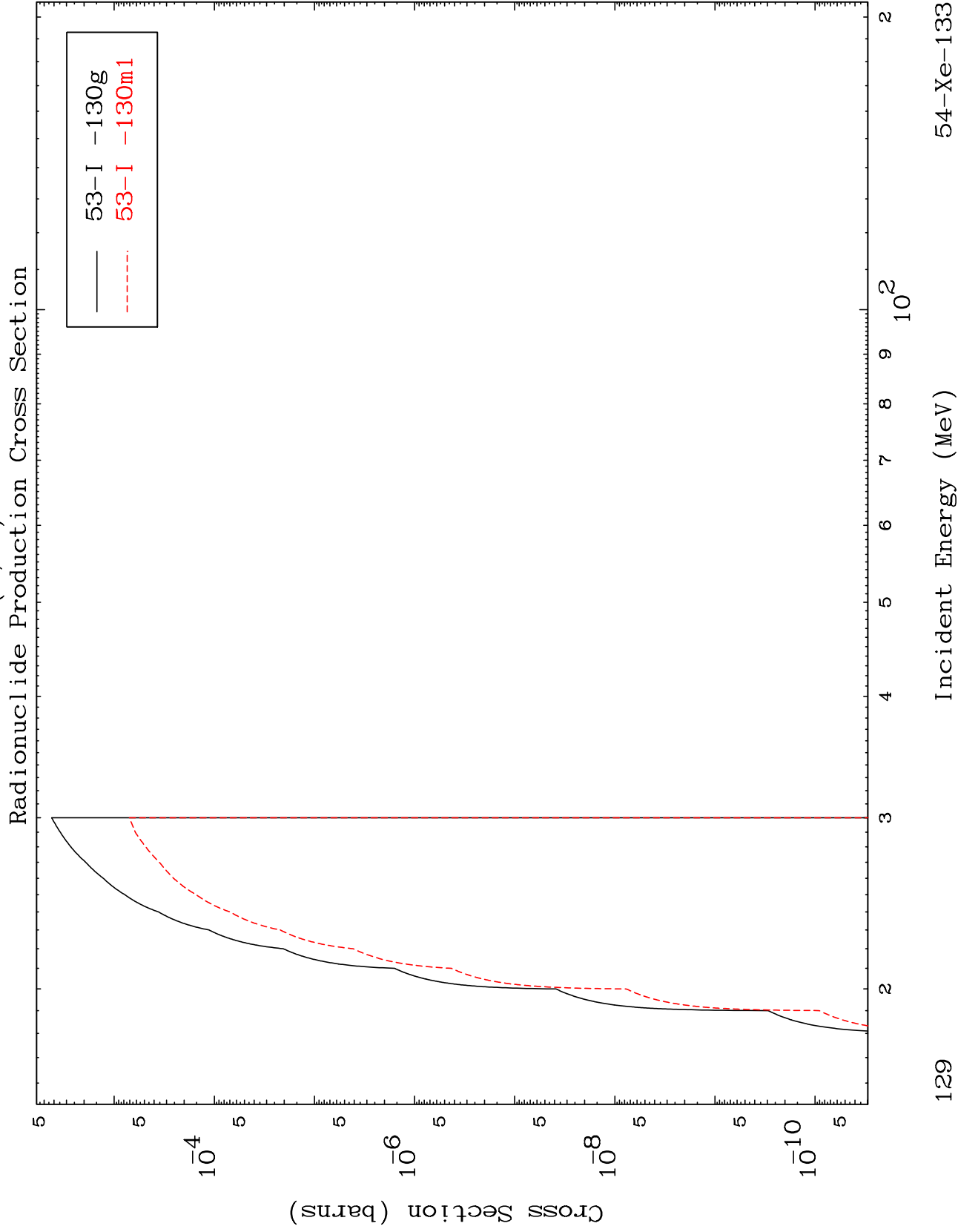
Radionuclide Production Cross Section



128

Incident Energy (MeV)

54-Xe-133

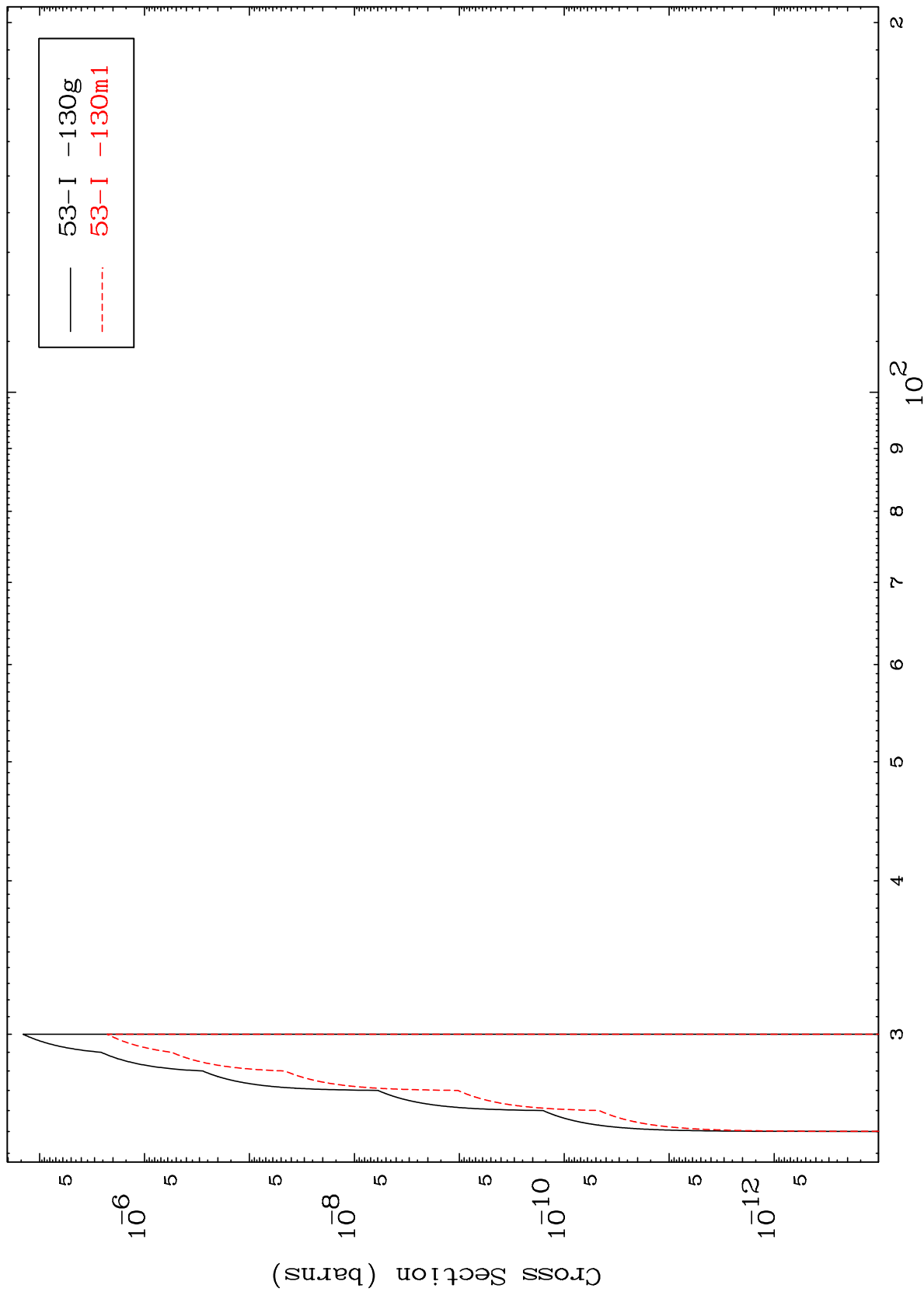


MAT 5452

(n,3n) p

54-Xe-133

Radionuclide Production Cross Section



130

Incident Energy (MeV)

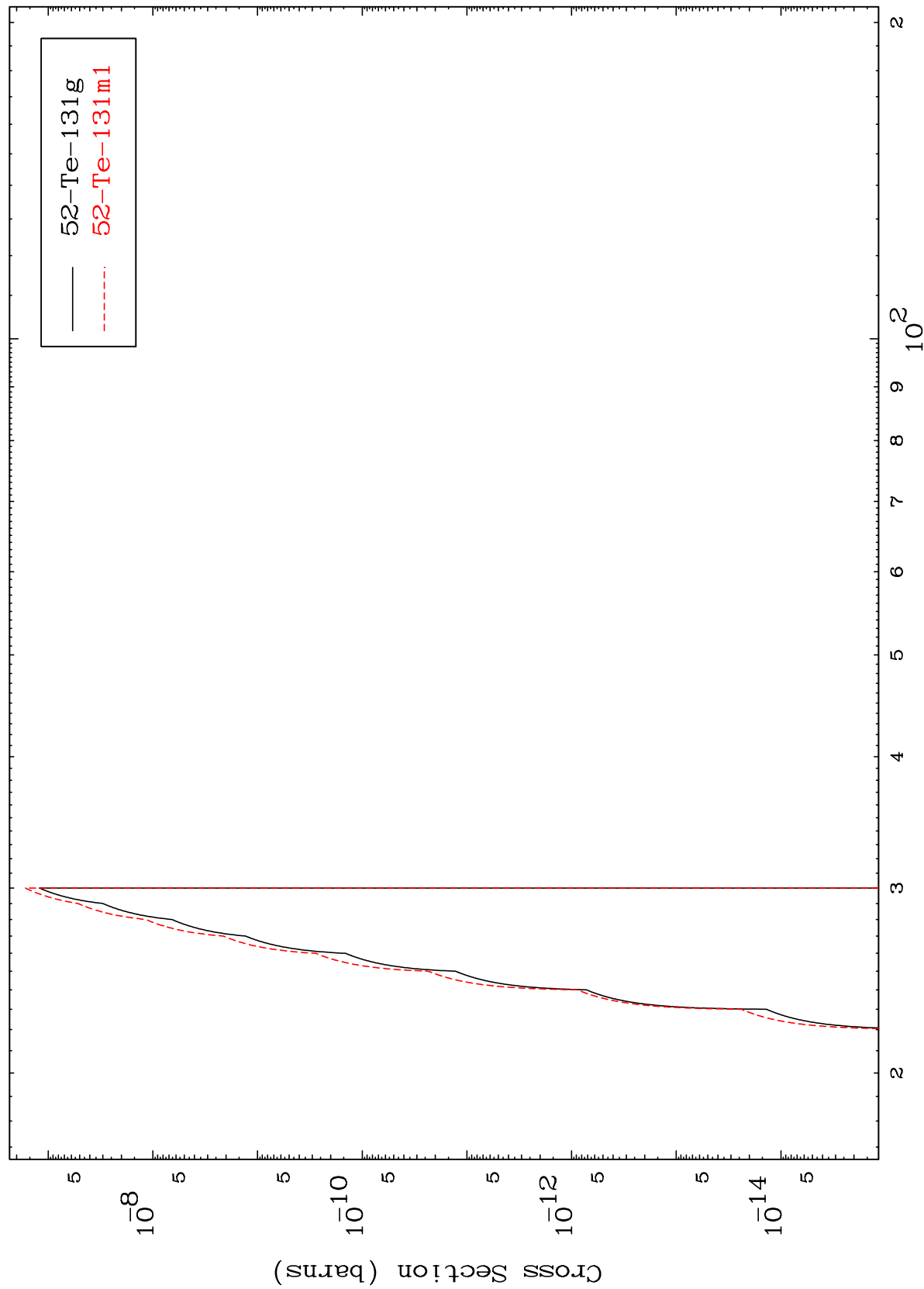
54-Xe-133

MAT 5452

(n,2n) p

54-Xe-133

Radionuclide Production Cross Section



131

Incident Energy (MeV)

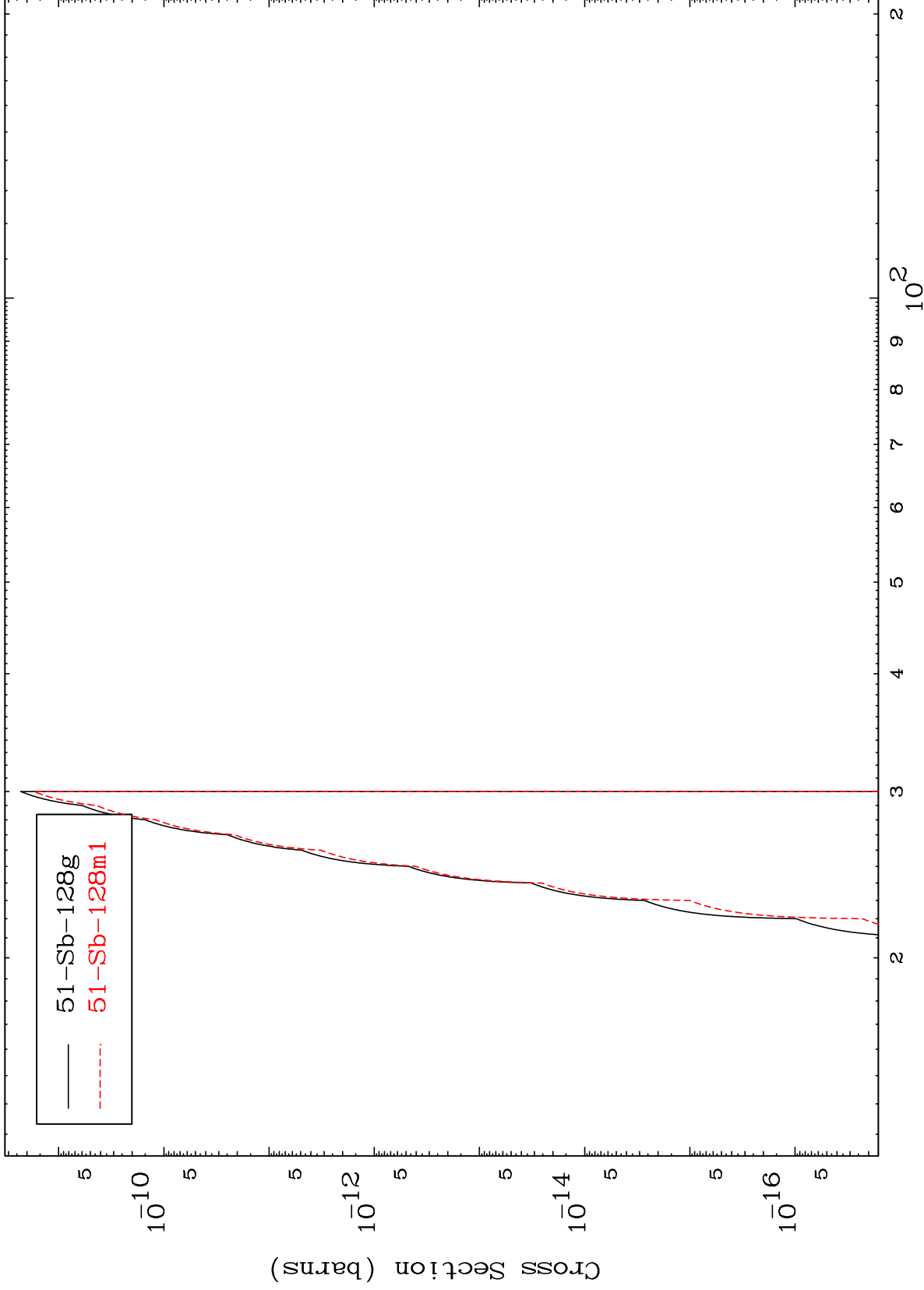
54-Xe-133

MAT 5452

(n,n') p α

54-Xe-133

Radionuclide Production Cross Section



132

Incident Energy (MeV)

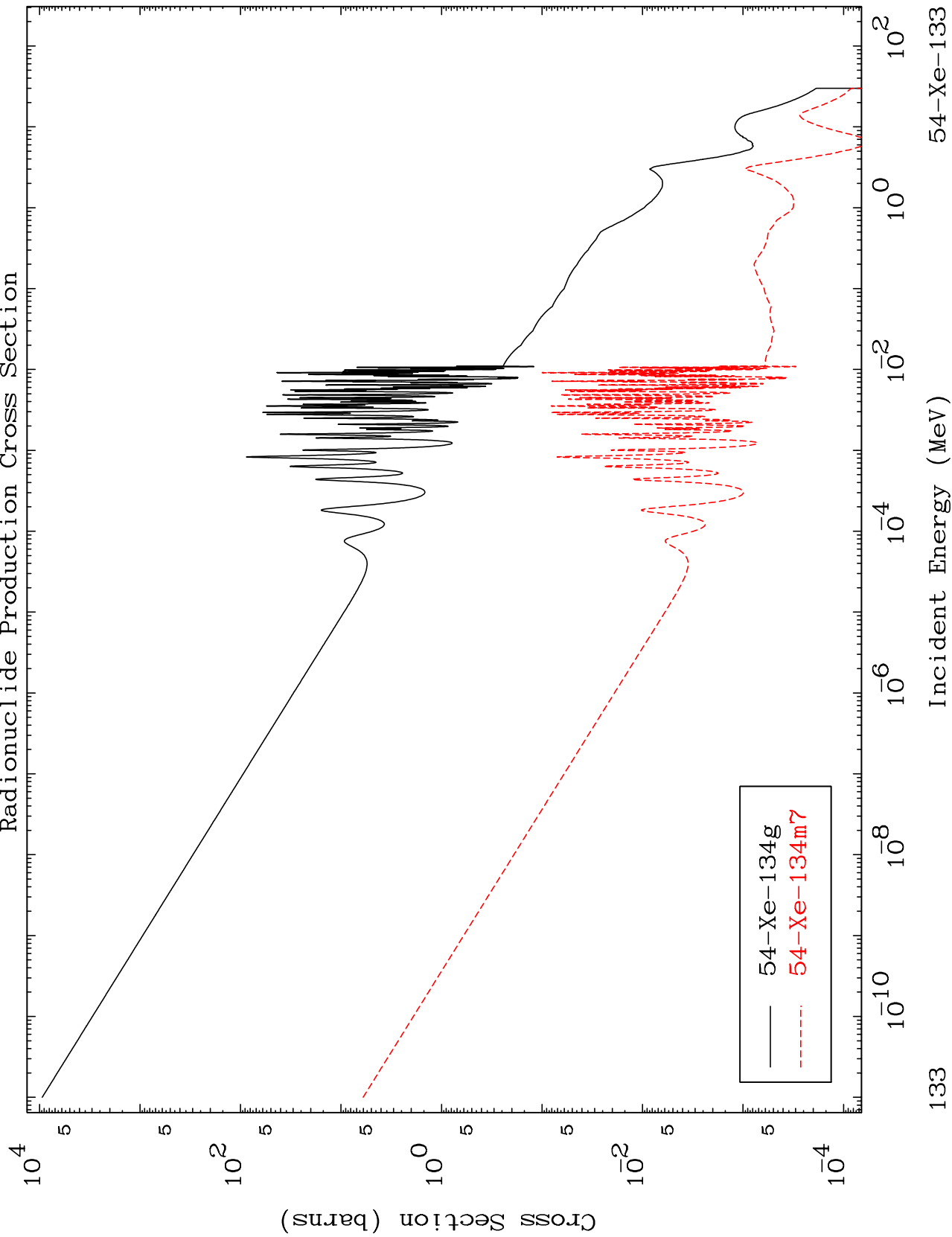
54-Xe-133

MAT 5452

54-Xe-133

Radionuclide Production Cross Section

(n, γ)

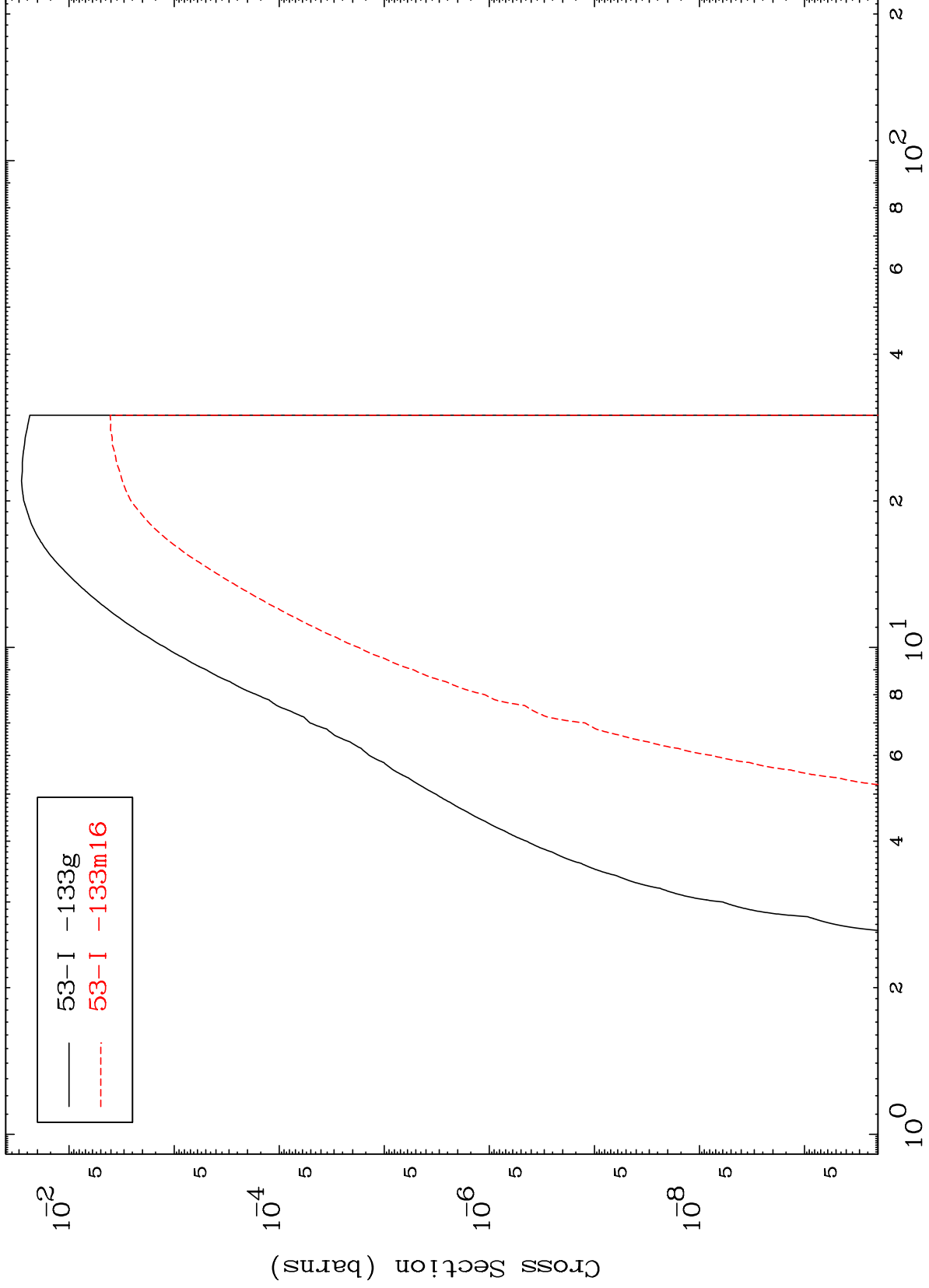


133

MAT 5452

54-Xe-133

(n,p)
Radionuclide Production Cross Section



Incident Energy (MeV)

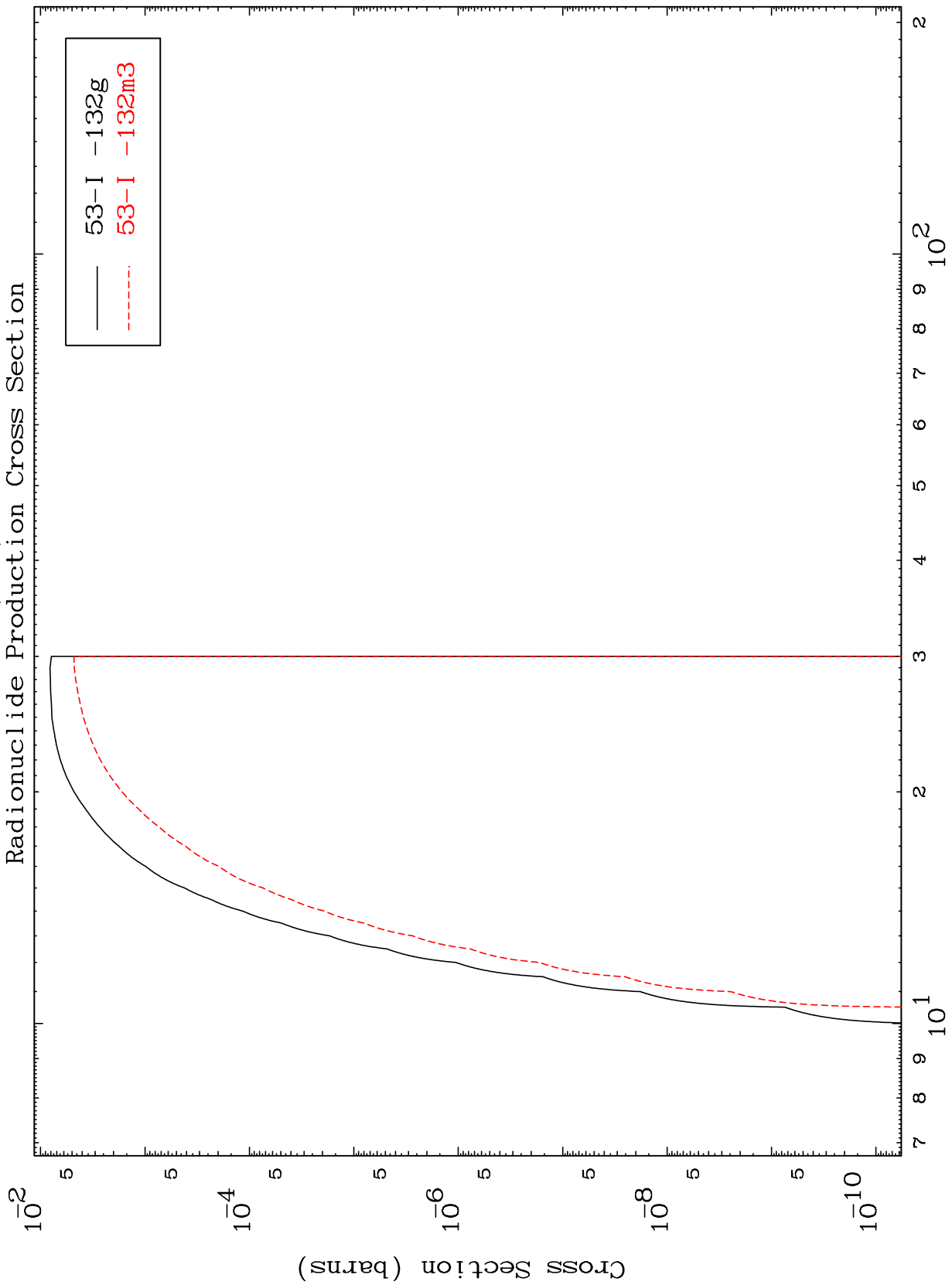
54-Xe-133

134

MAT 5452

54-Xe-133

(n,d)
Radionuclide Production Cross Section



54-Xe-133

Incident Energy (MeV)

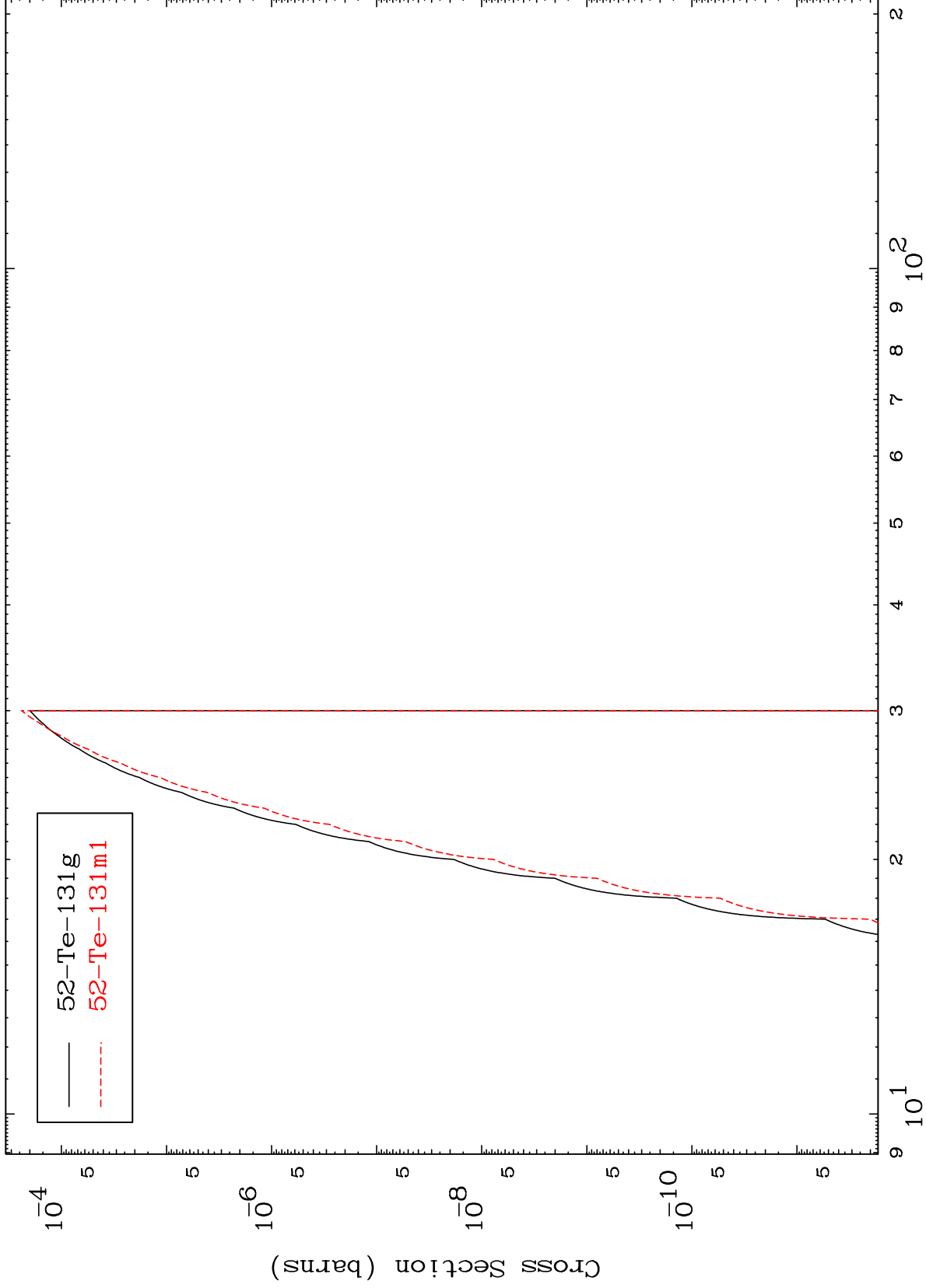
135

MAT 5452

(n,He-3)

54-Xe-133

Radionuclide Production Cross Section



136

Incident Energy (MeV)

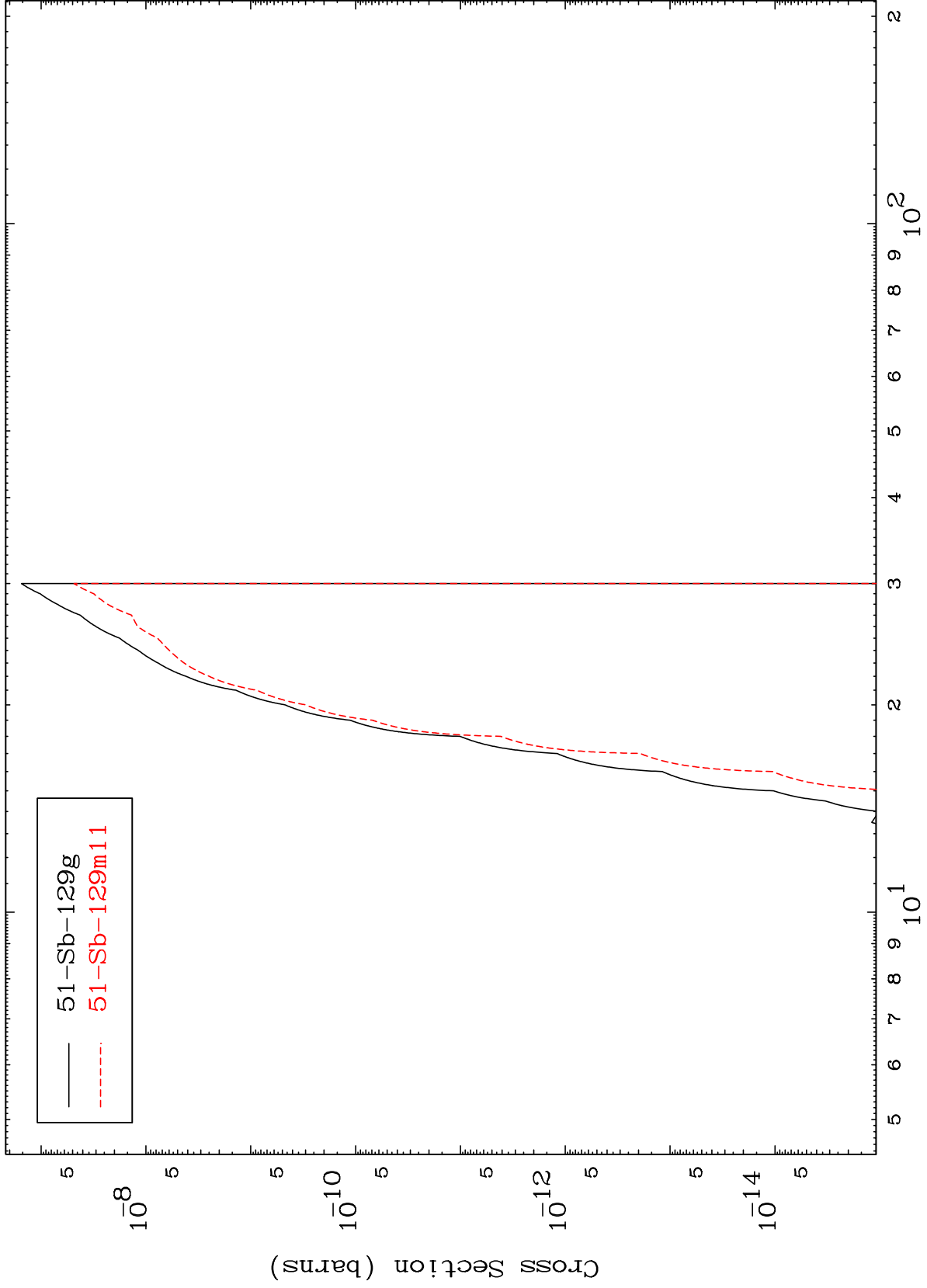
54-Xe-133

MAT 5452

(n,p) α

54-Xe-133

Radionuclide Production Cross Section



137

Incident Energy (MeV)

54-Xe-133

