

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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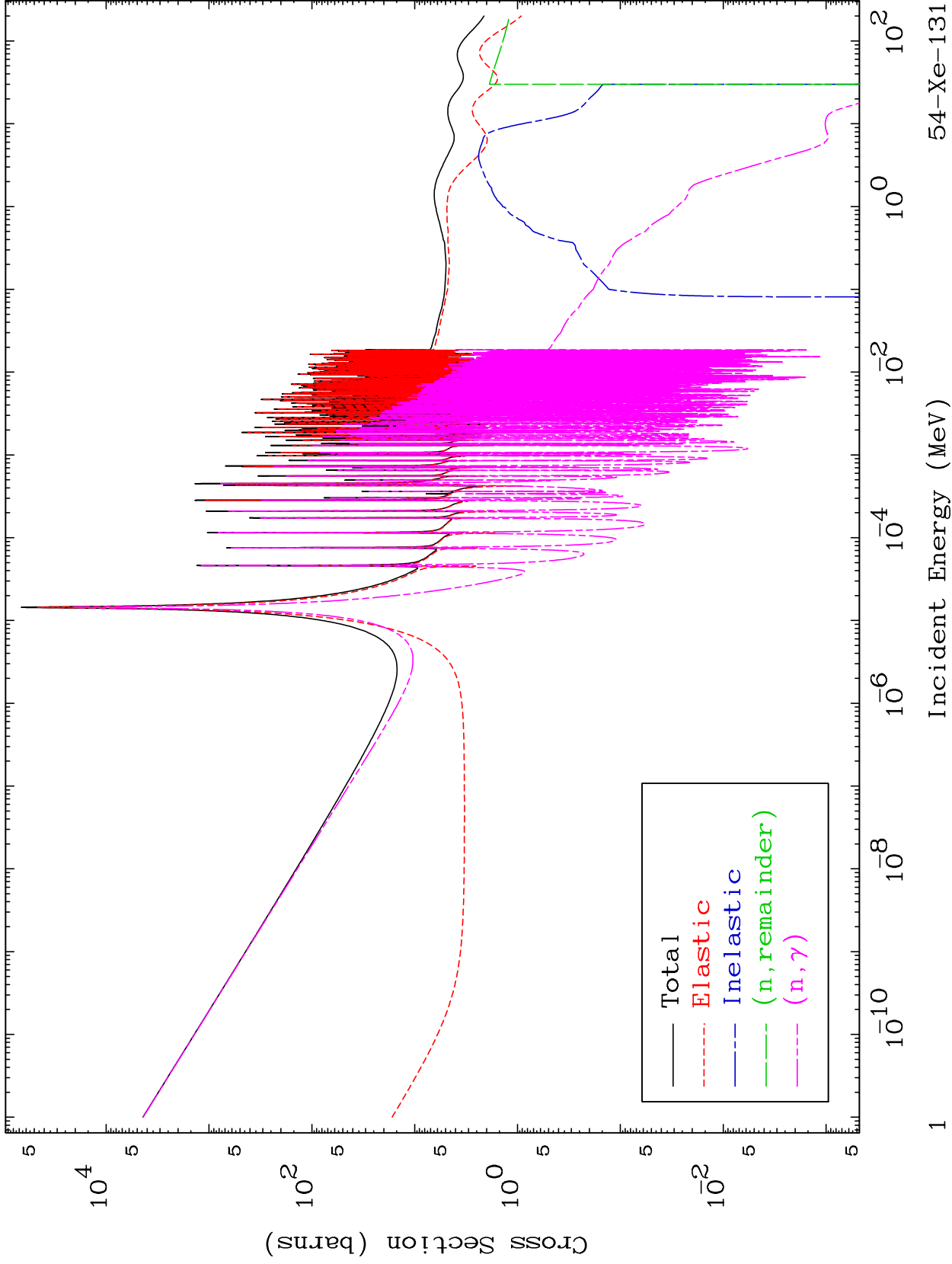
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

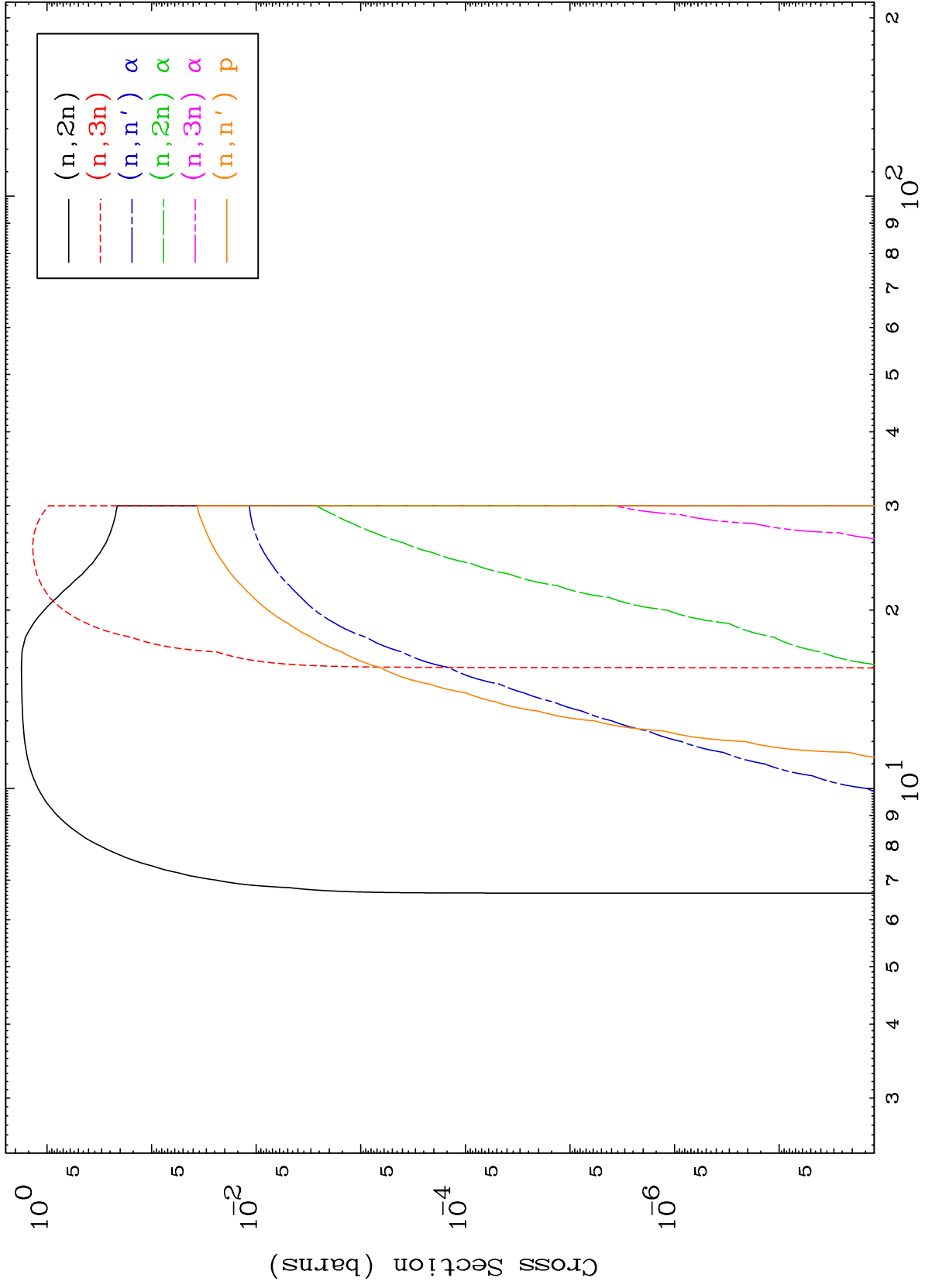
MAT 5446

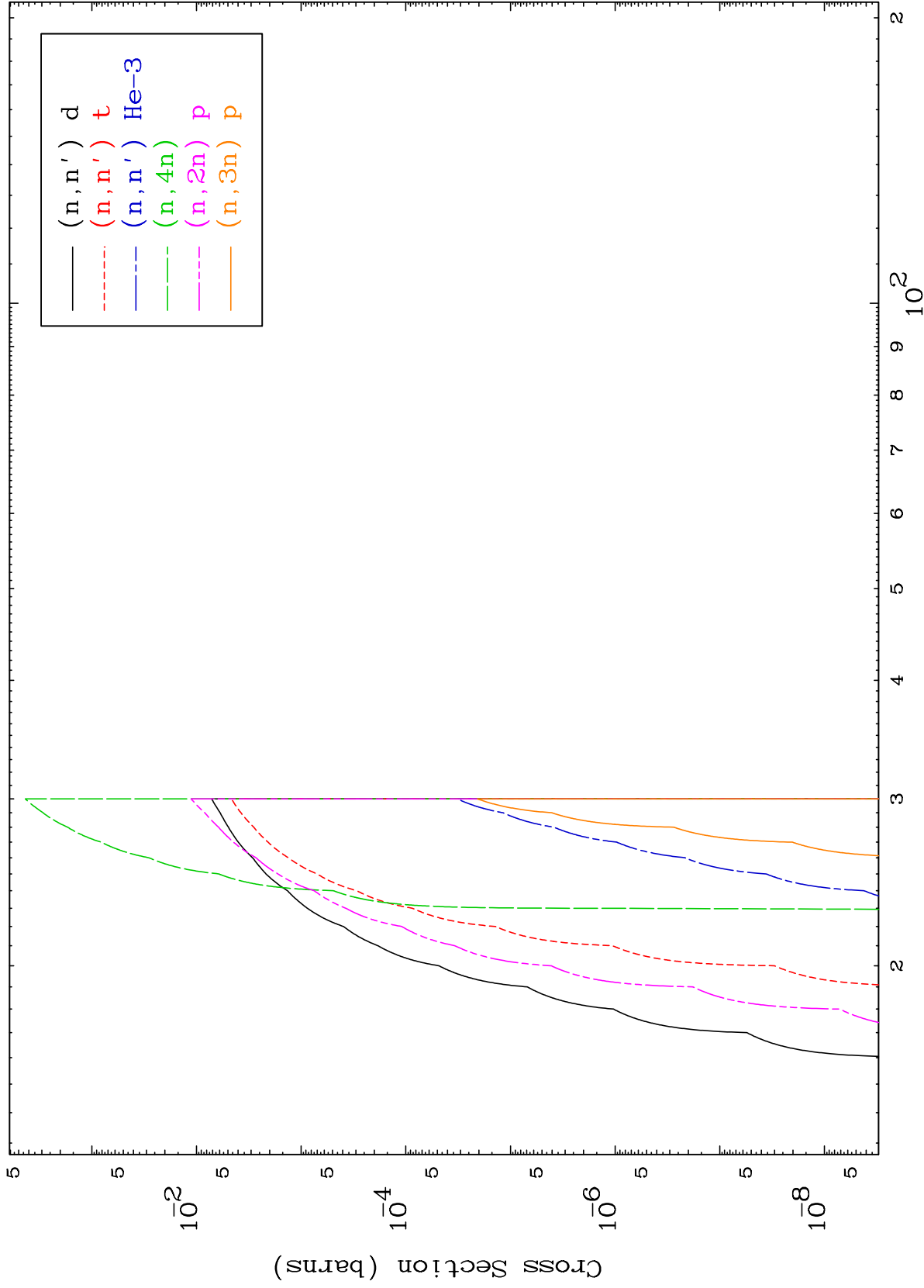
Major  
293 Kelvin Cross Sections

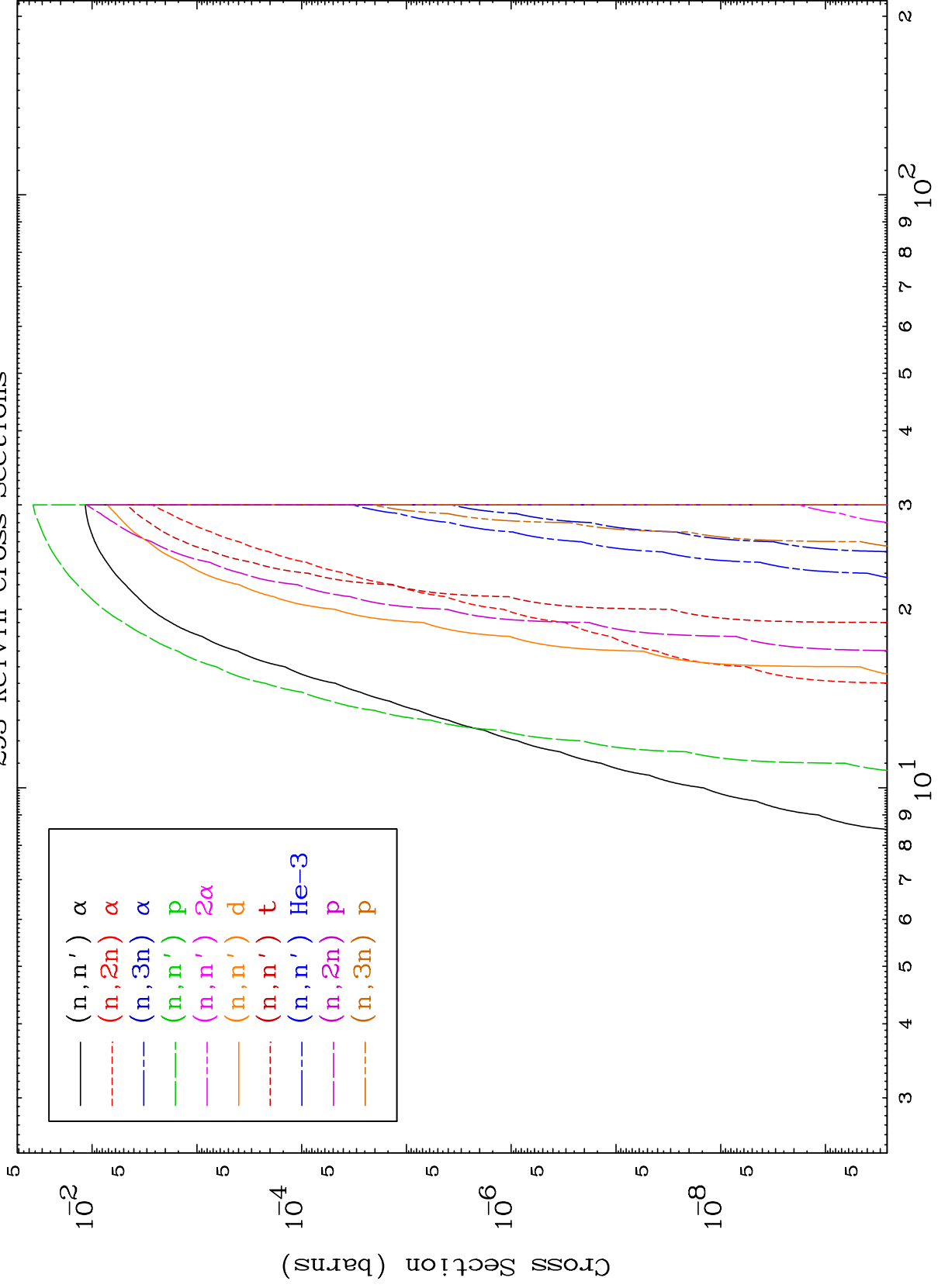
54-Xe-131



Neutron Production  
293 Kelvin Cross Sections



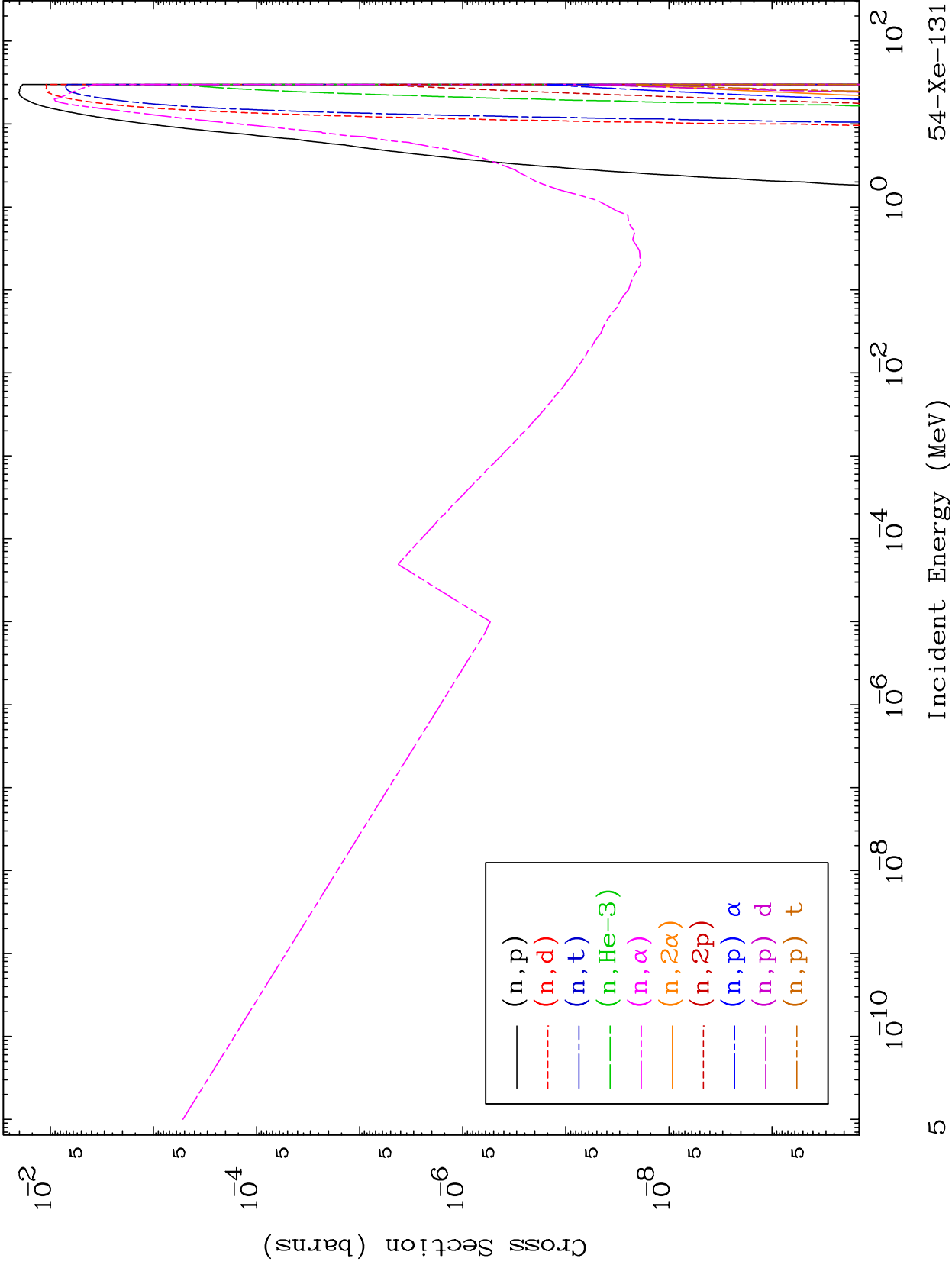


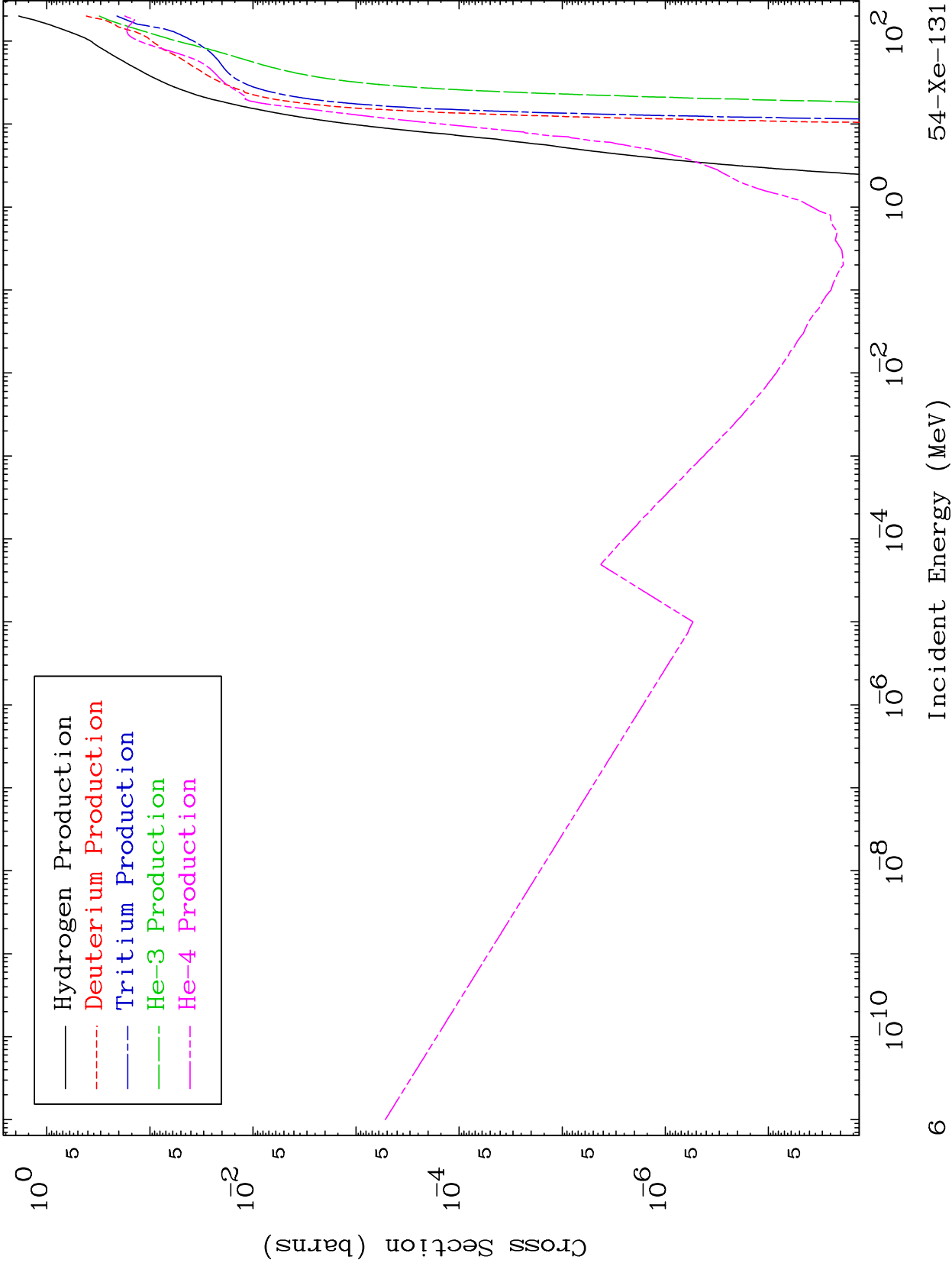


MAT 5446

Charged Particle  
293 Kelvin Cross Sections

54-Xe-131

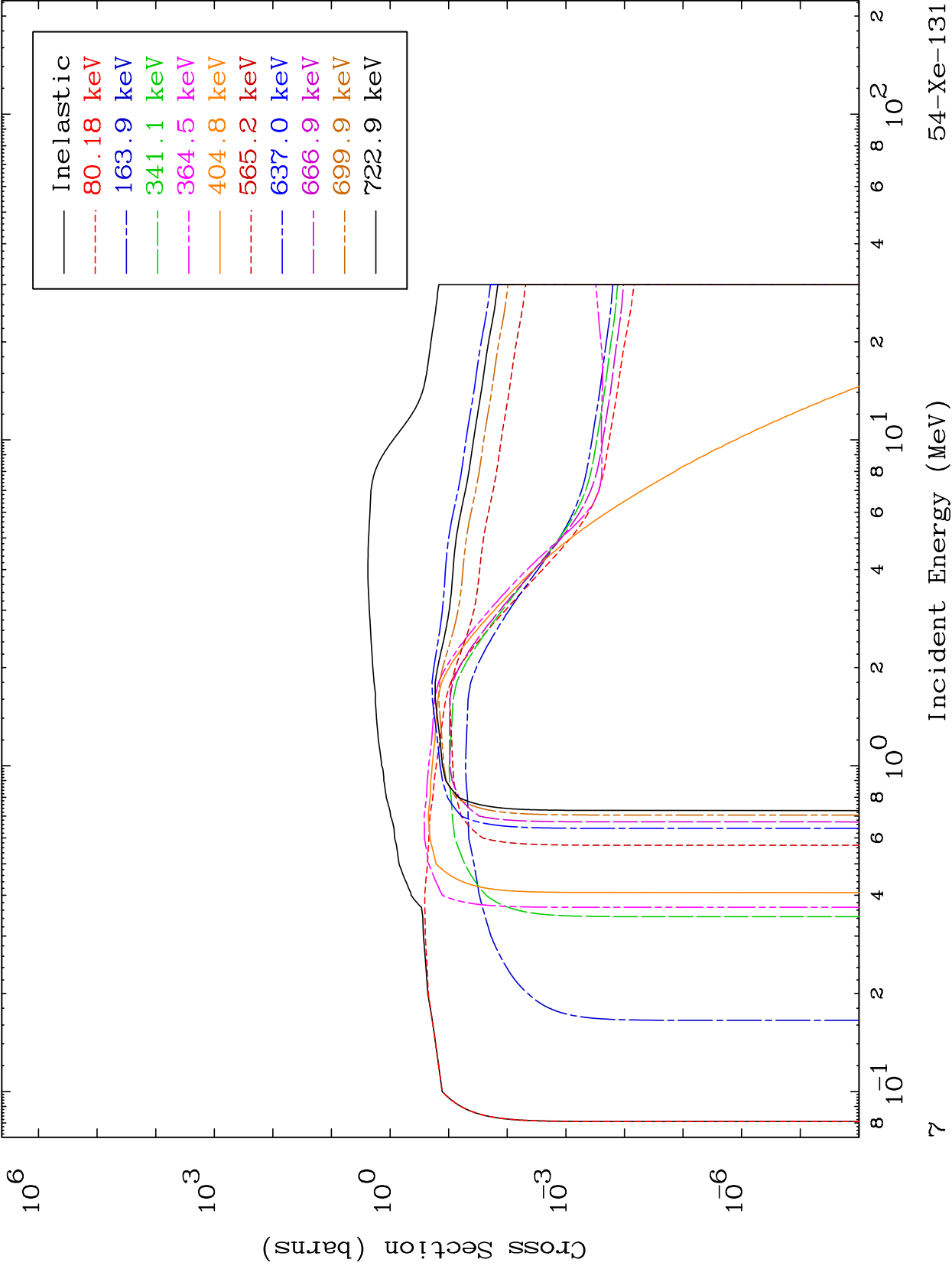




MAT 5446

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-131



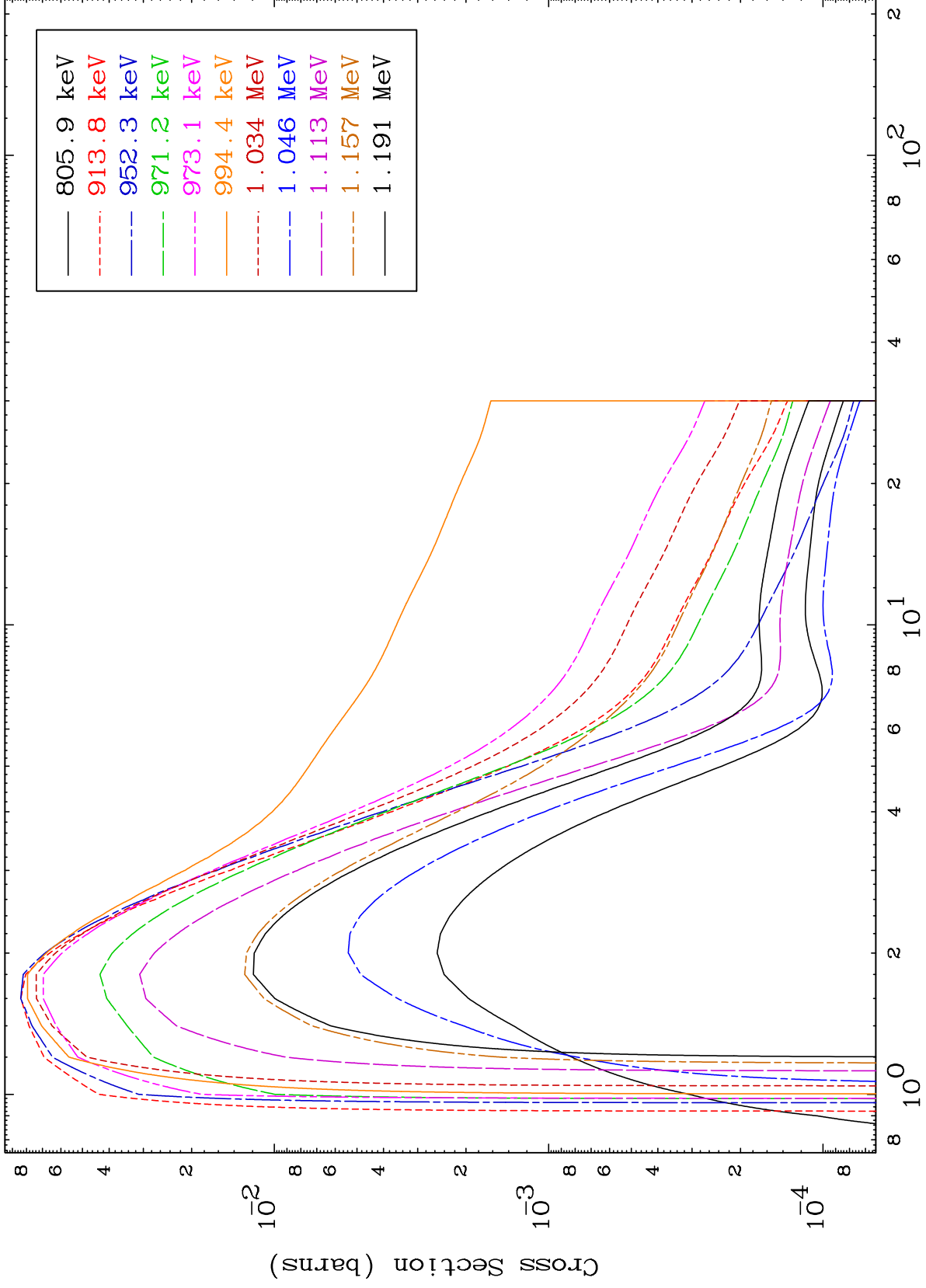


MAT 5446

(n,n') Level

54-Xe-131

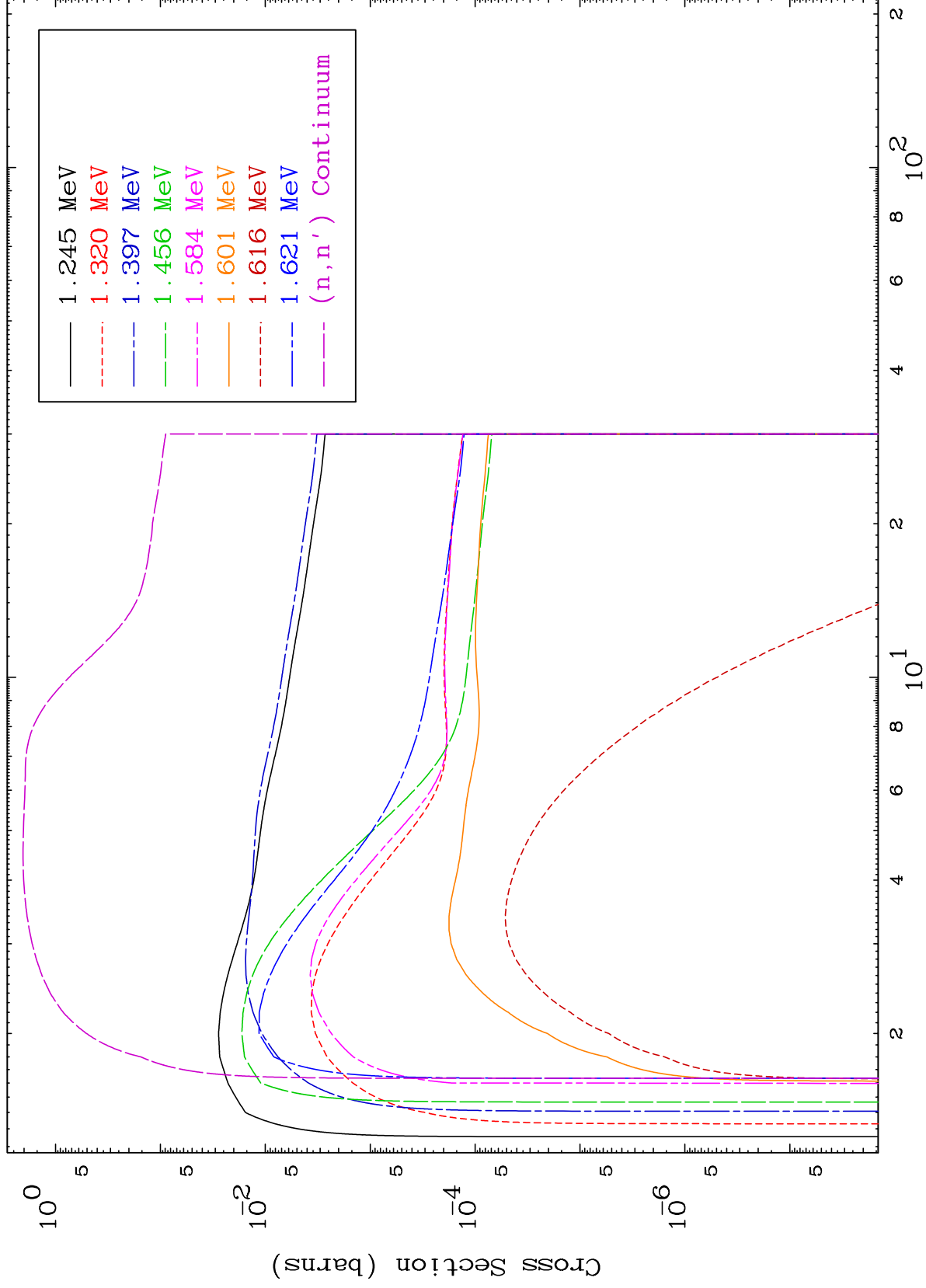
293 Kelvin Cross Sections



Incident Energy (MeV)

54-Xe-131

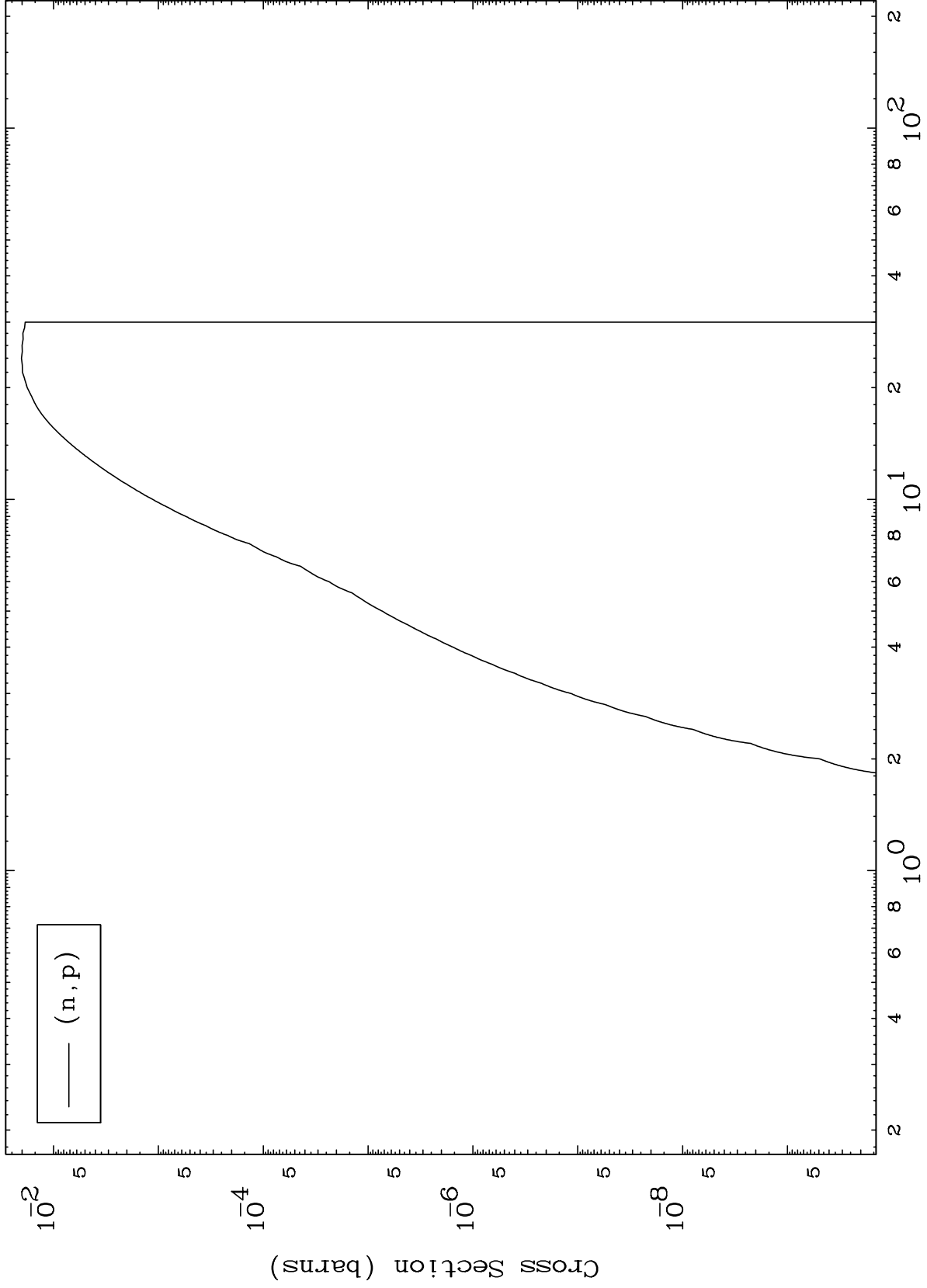
293 Kelvin Cross Sections



MAT 5446

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-131



10

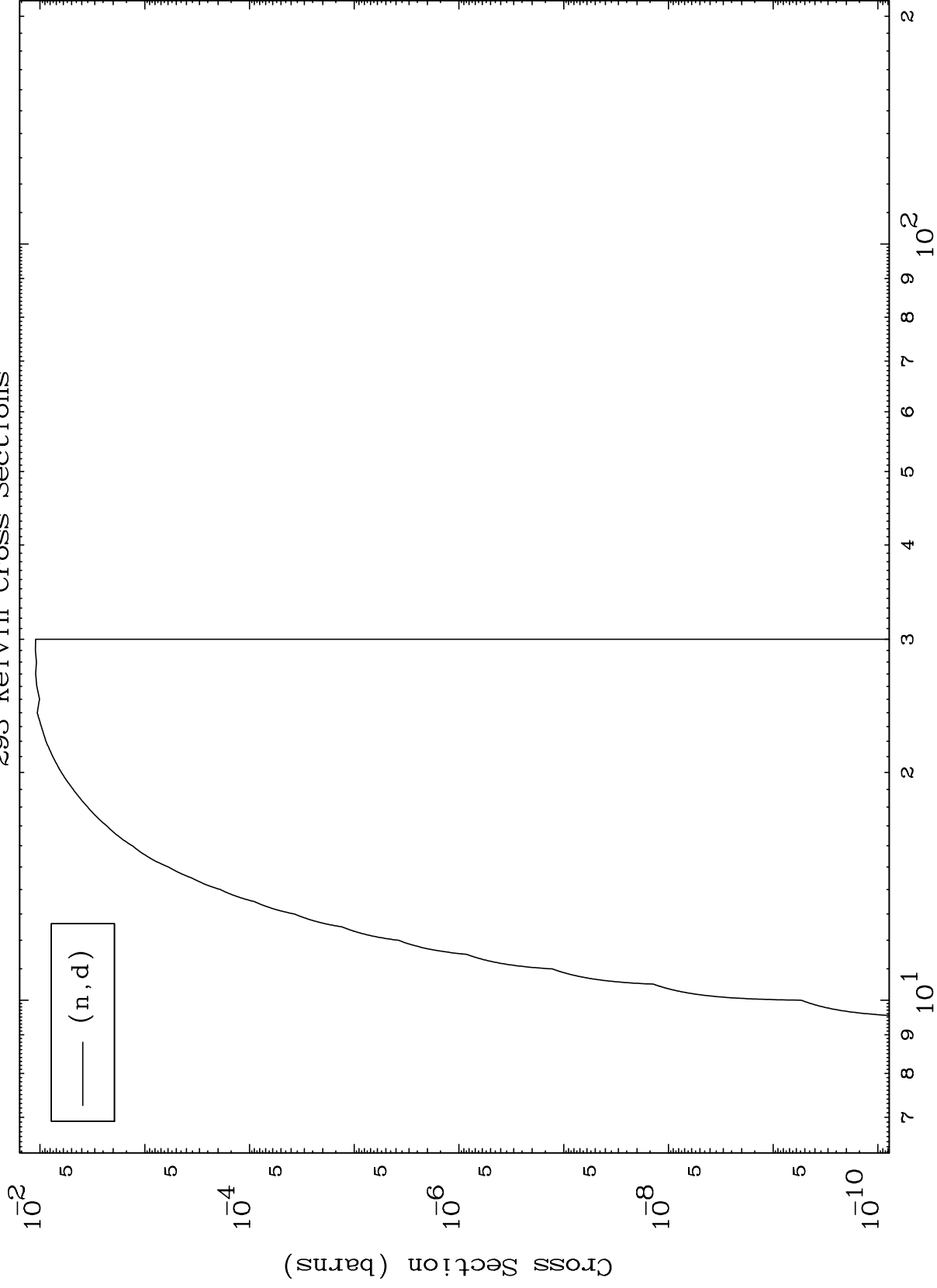
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-131



11

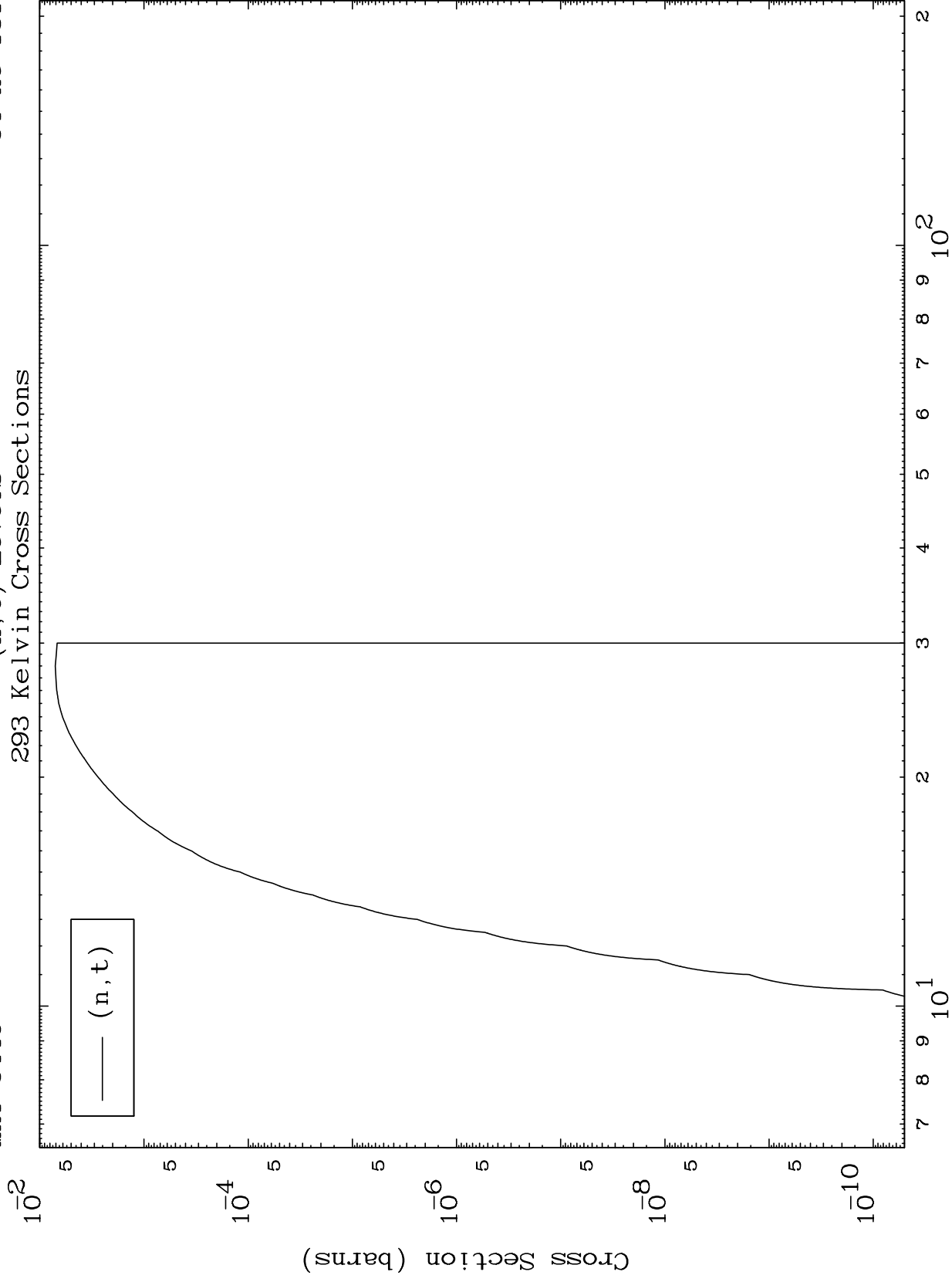
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-131



12

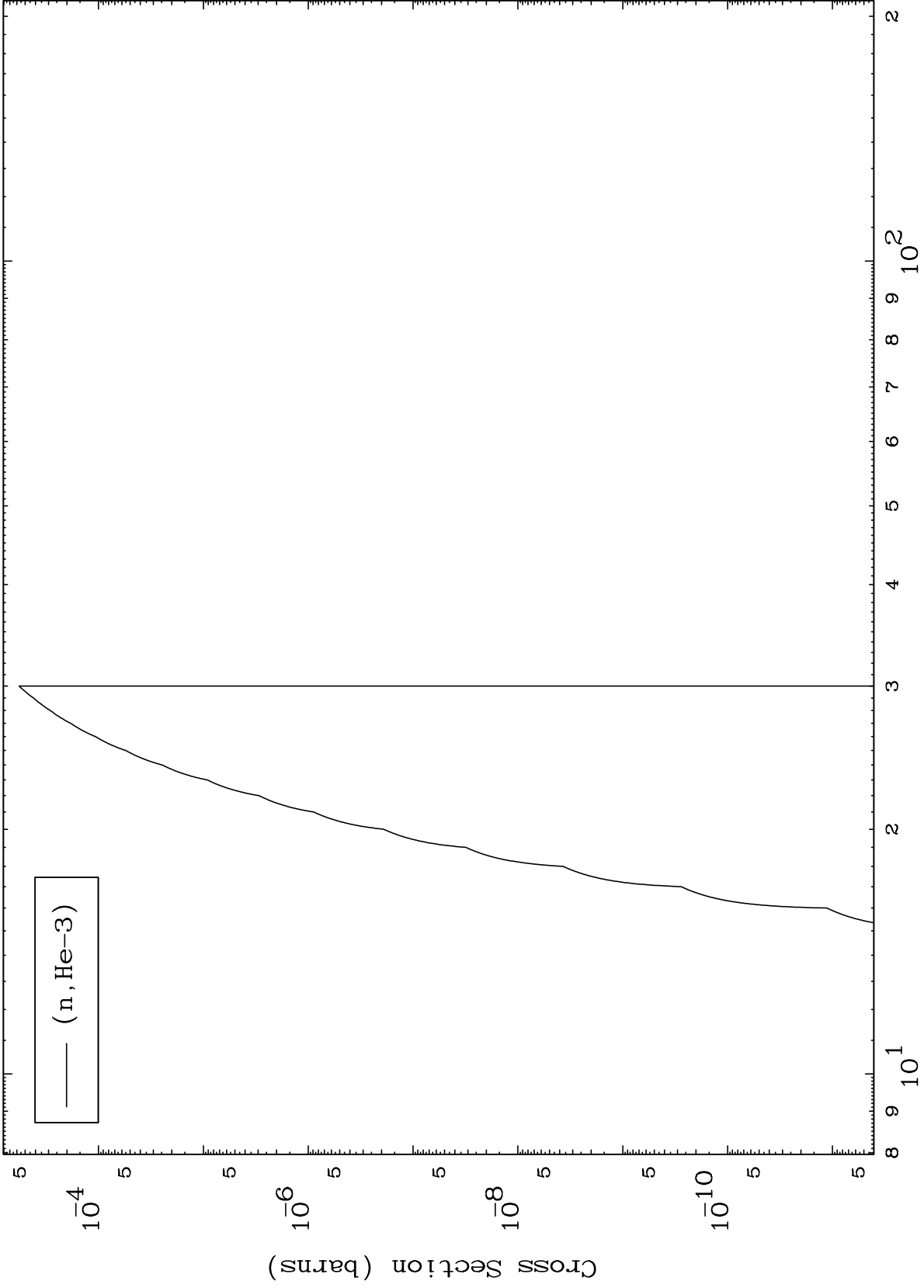
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-131



13

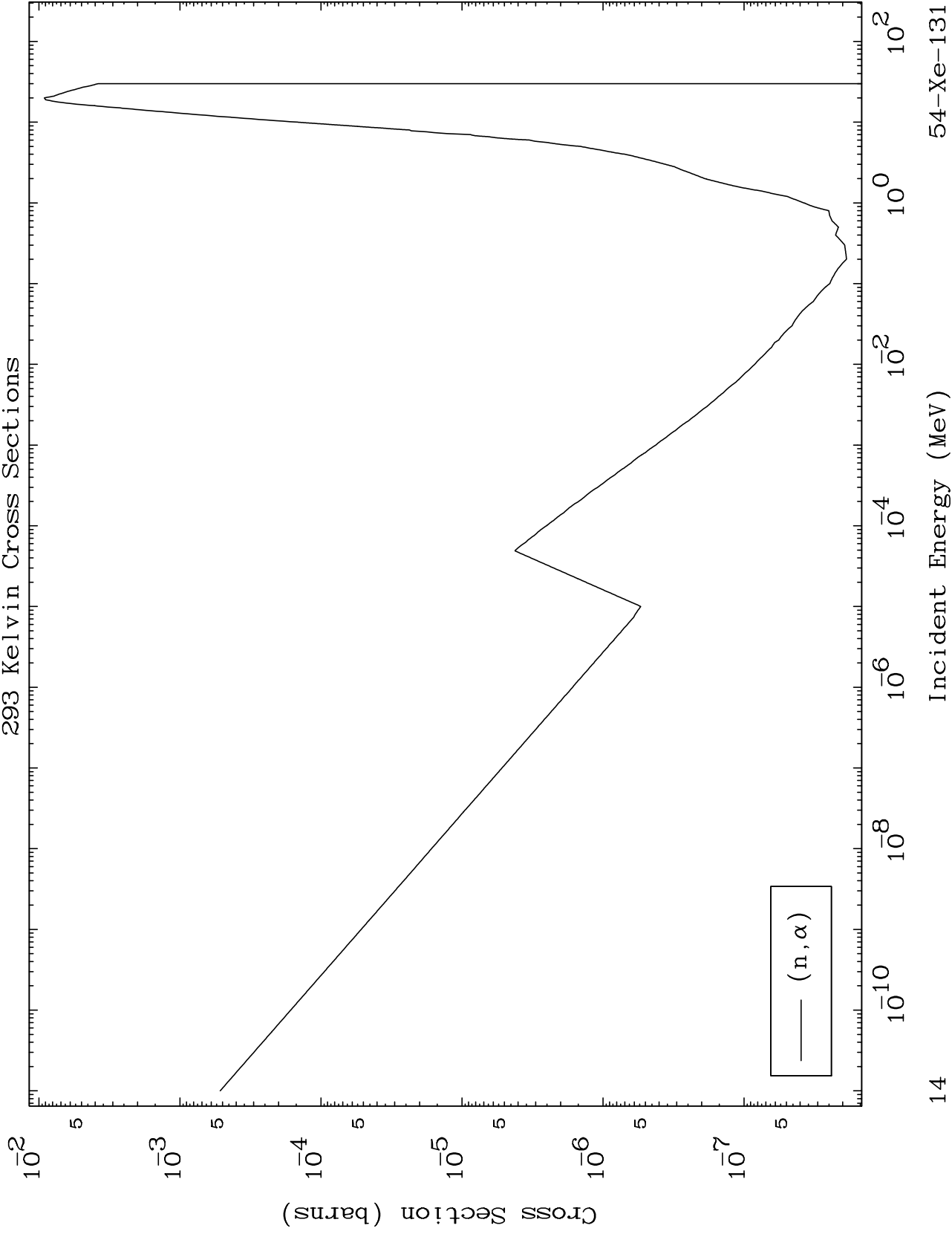
Incident Energy (MeV)

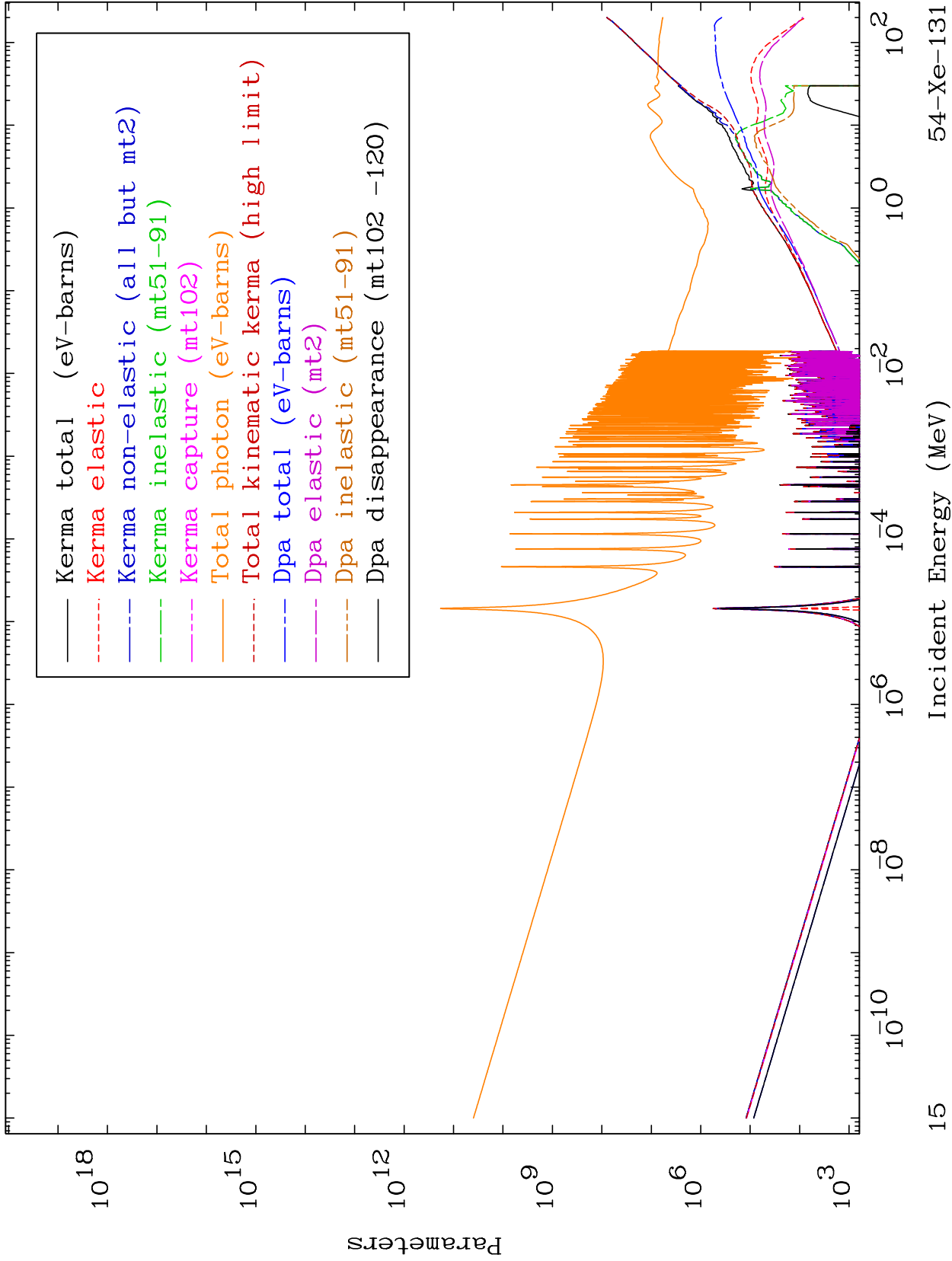
54-Xe-131

MAT 5446

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-131



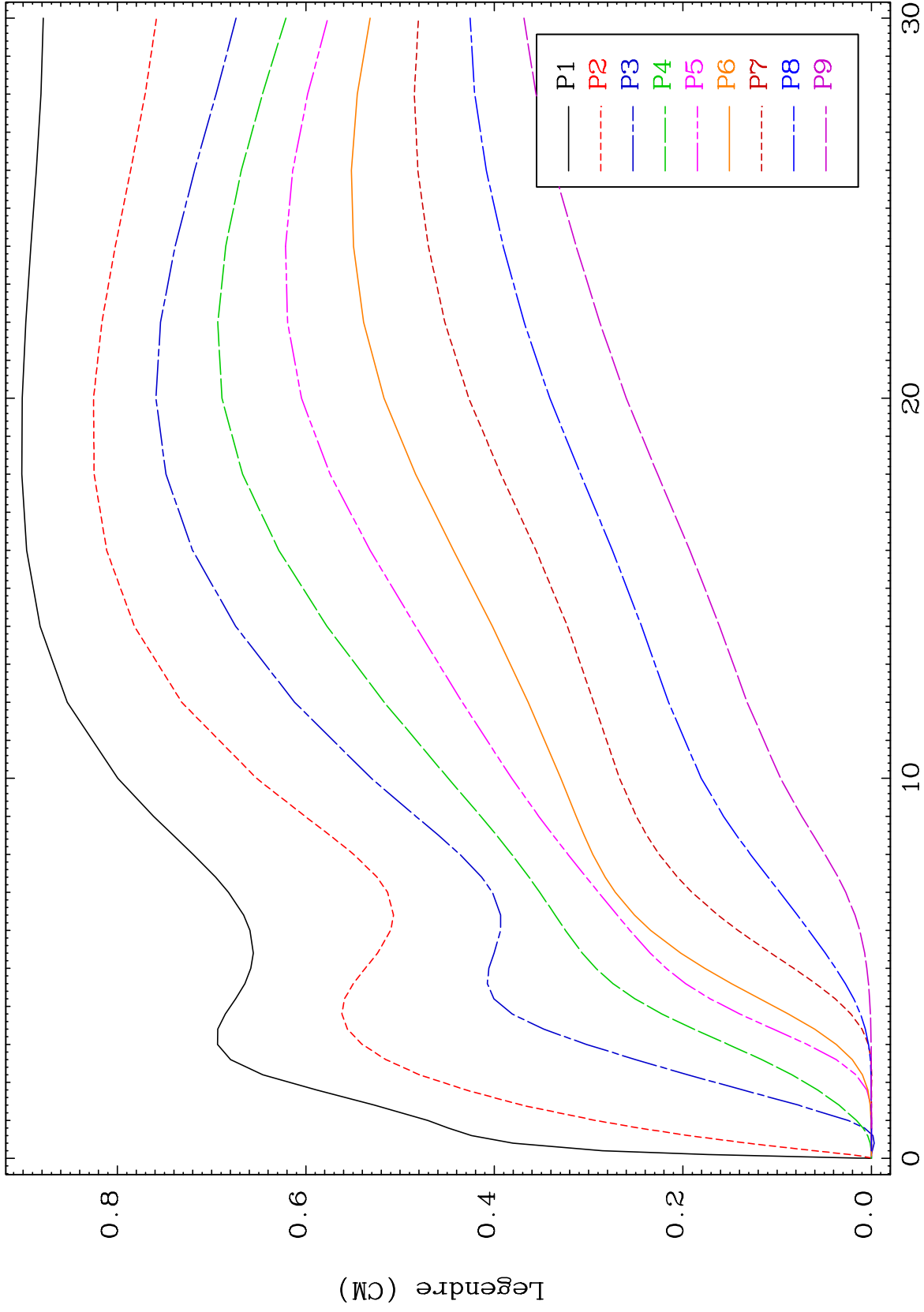




MAT 5446

54-Xe-131

Elastic Legendre Coefficients



16

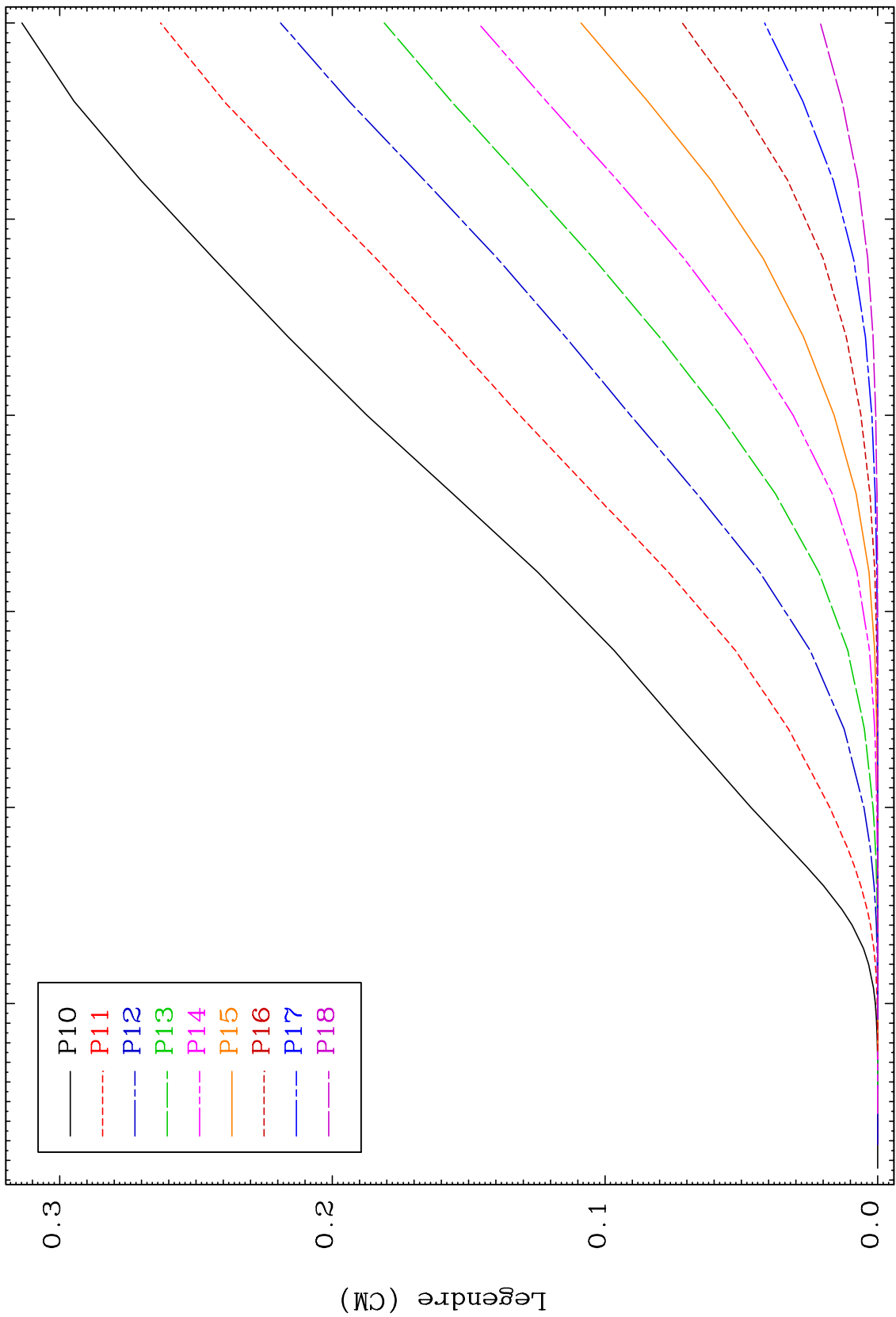
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



17

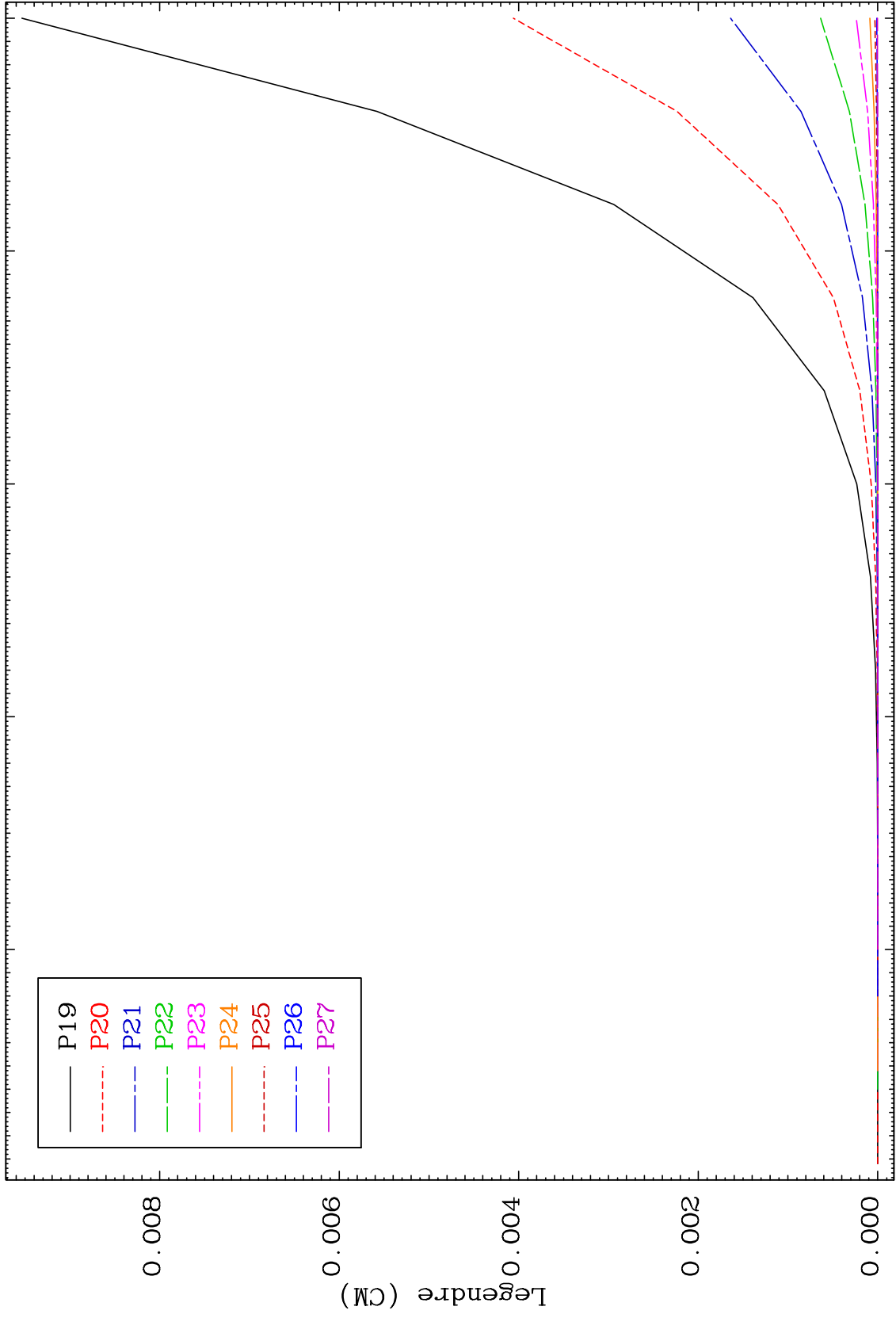
54-Xe-131

Incident Energy (MeV)

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



18

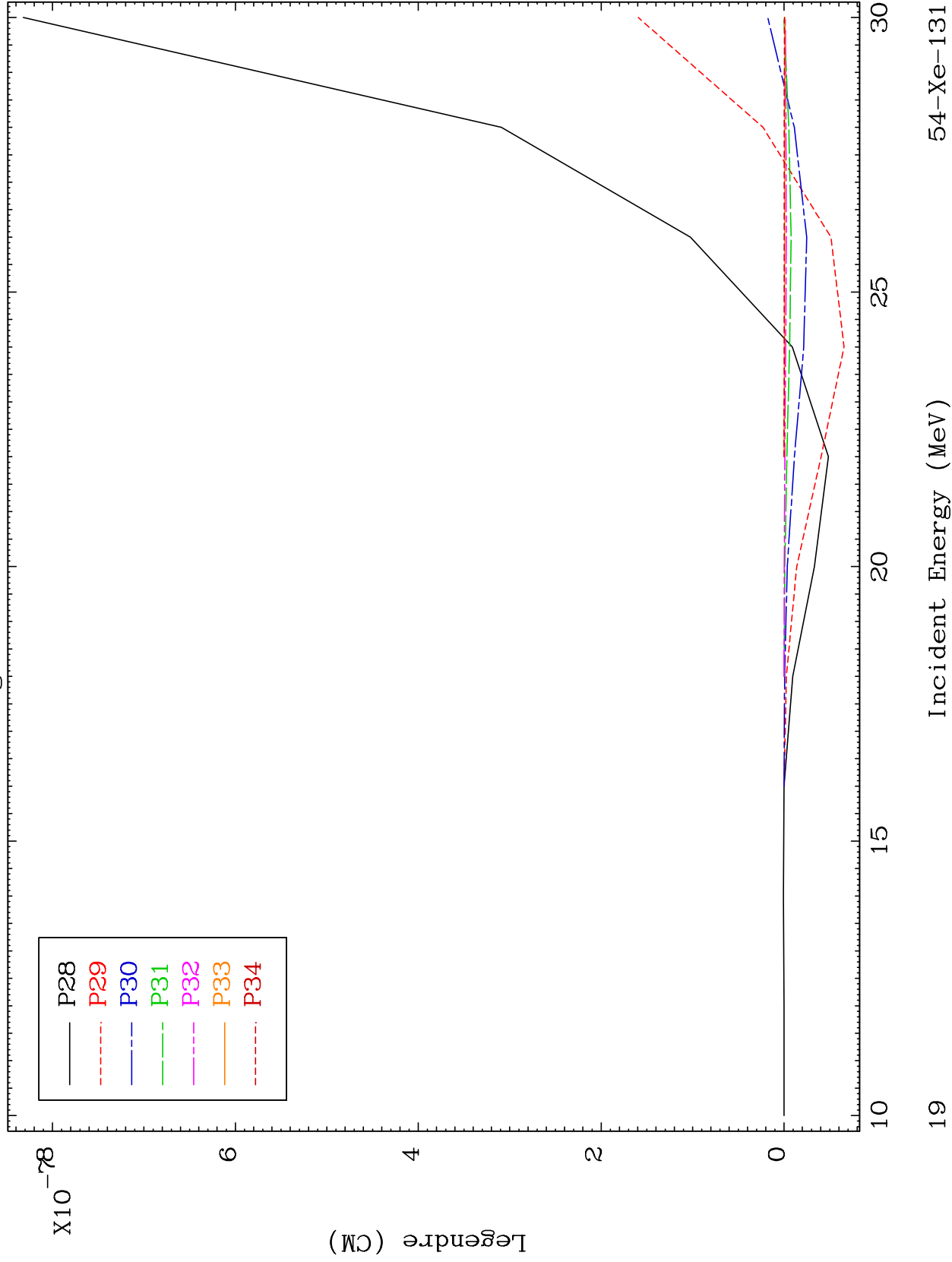
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic  
Legendre Coefficients

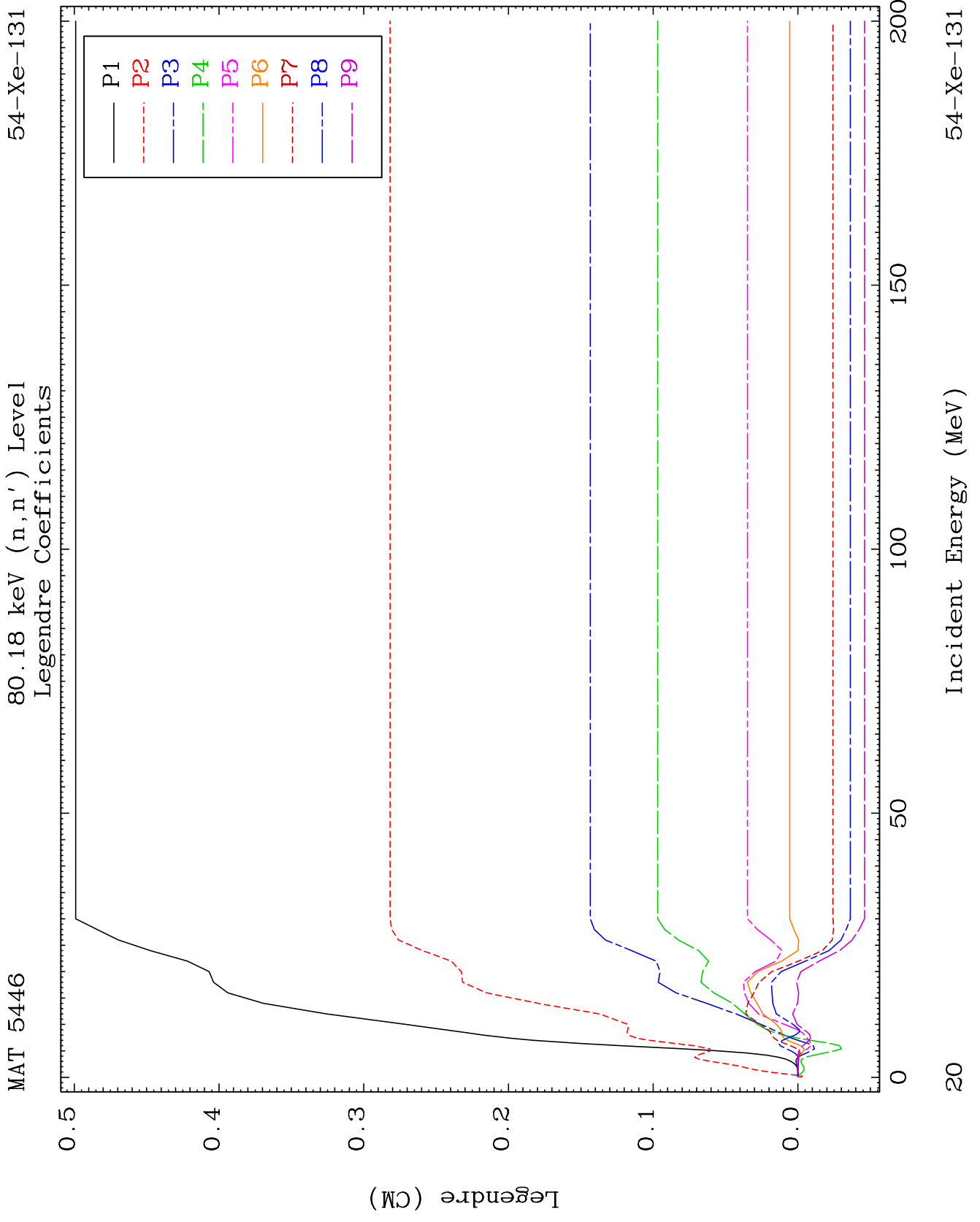
54-Xe-131



19

Incident Energy (MeV)

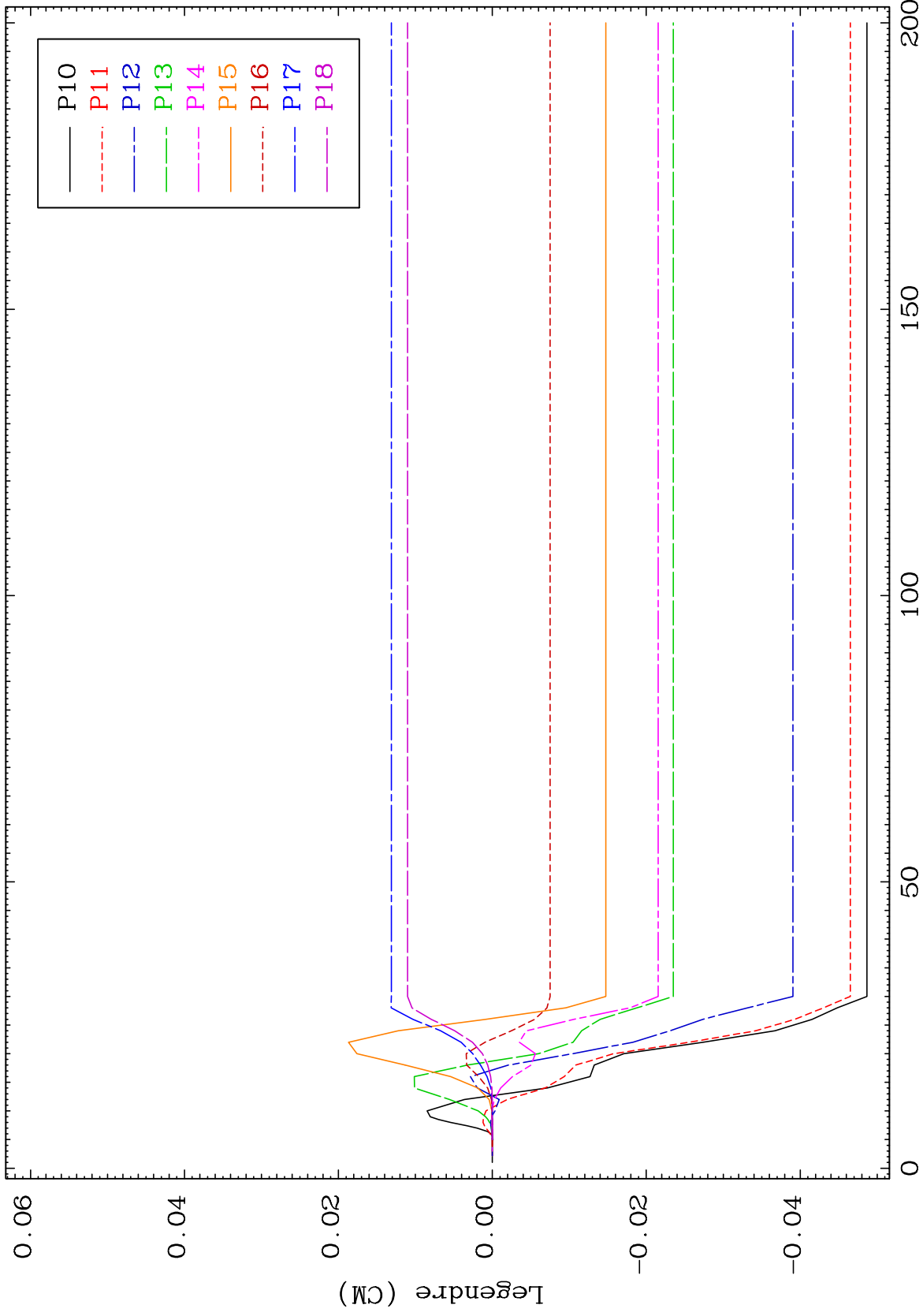
54-Xe-131



MAT 5446

80.18 keV (n,n') Level  
Legendre Coefficients

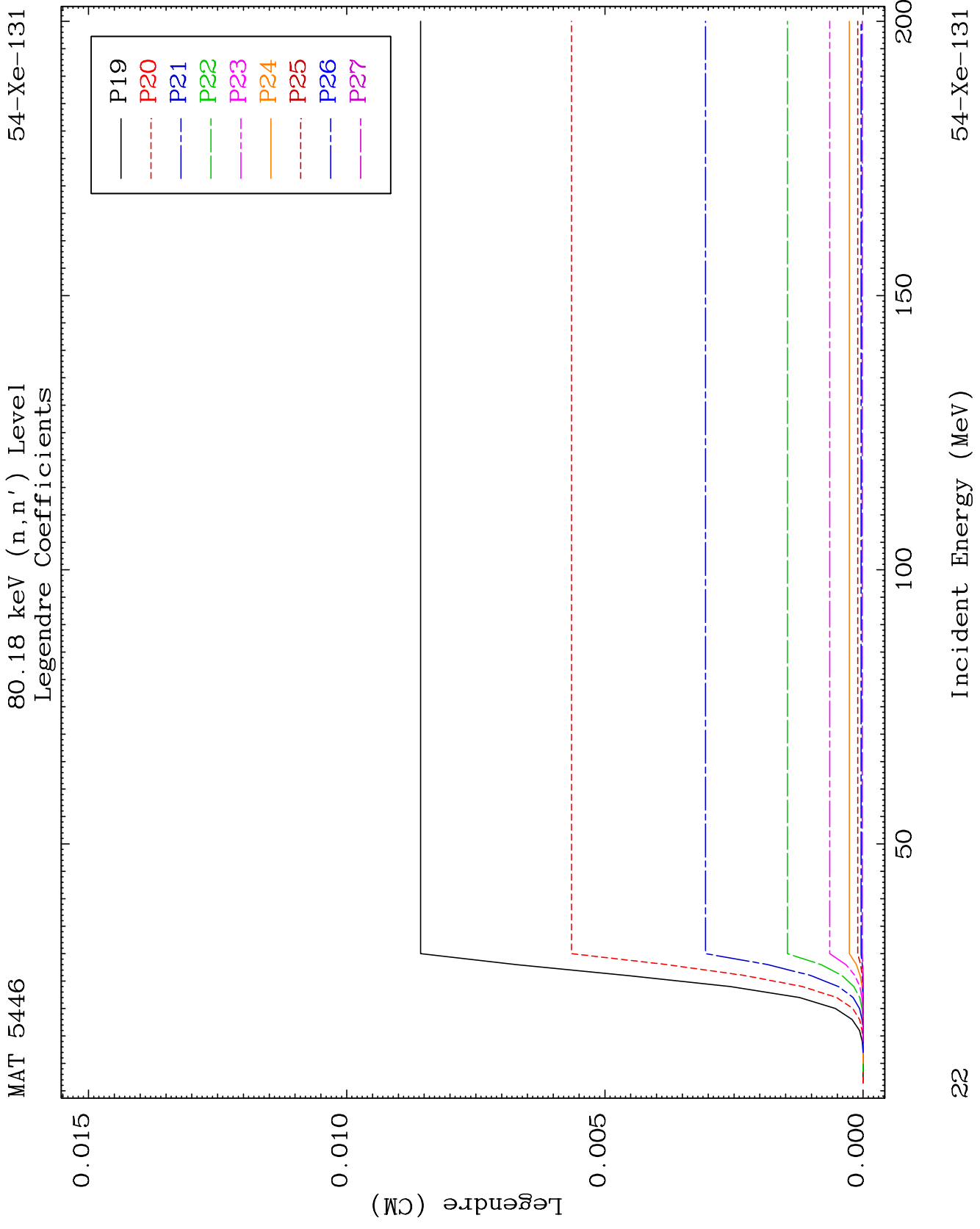
54-Xe-131



21

Incident Energy (MeV)

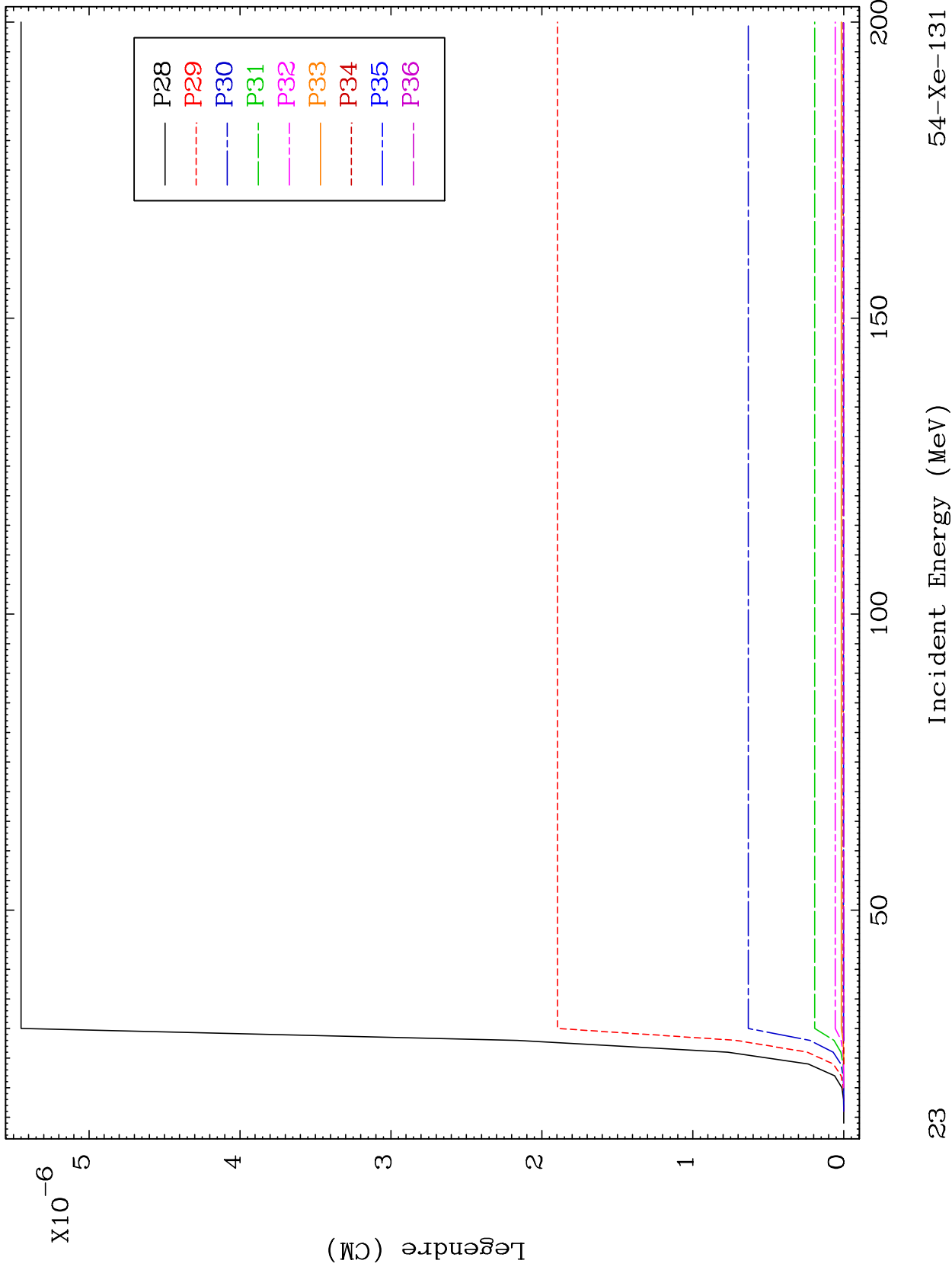
54-Xe-131



MAT 5446

80.18 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



23

Incident Energy (MeV)

54-Xe-131

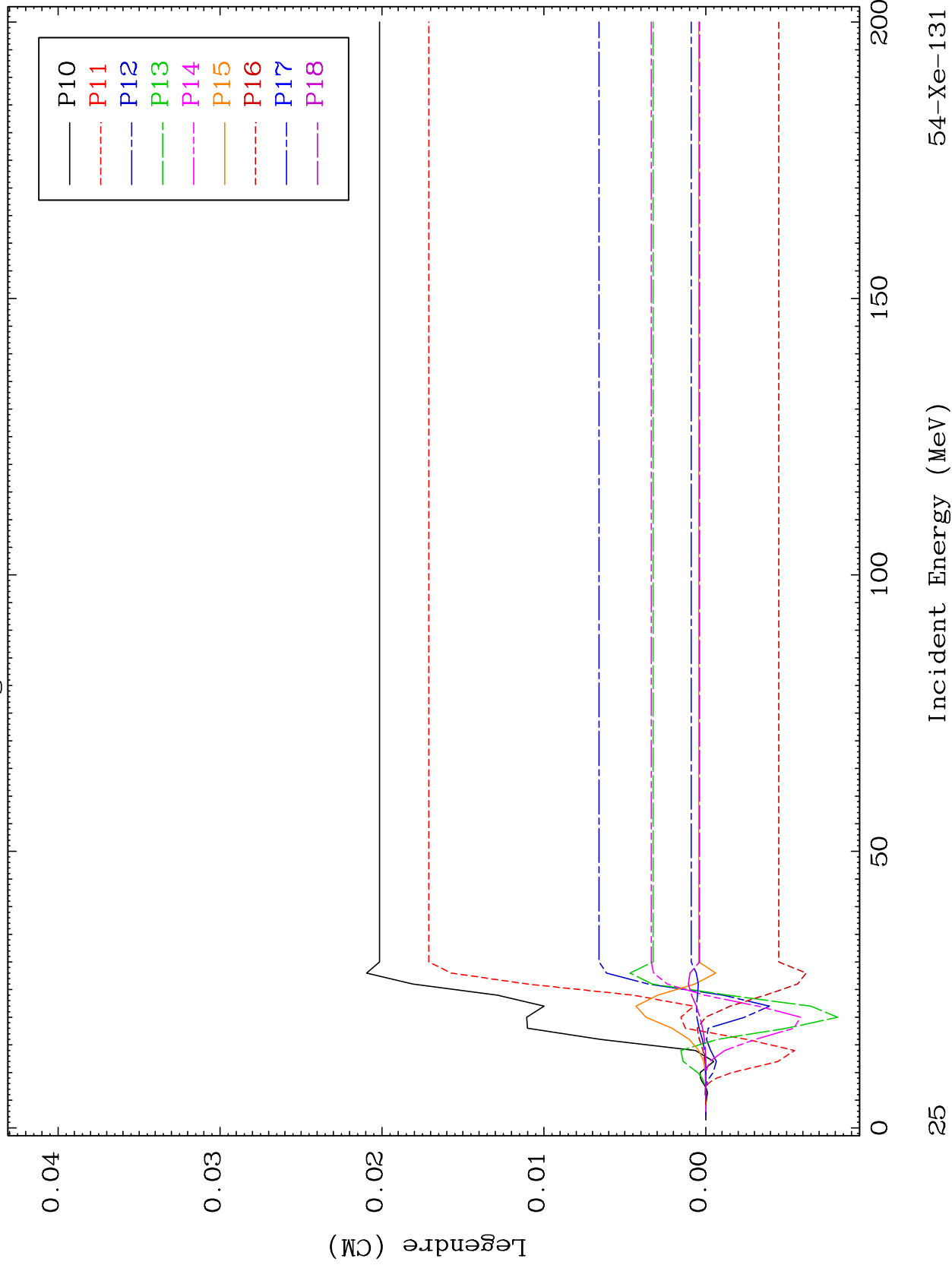




MAT 5446

163.9 keV (n,n') Level  
Legendre Coefficients

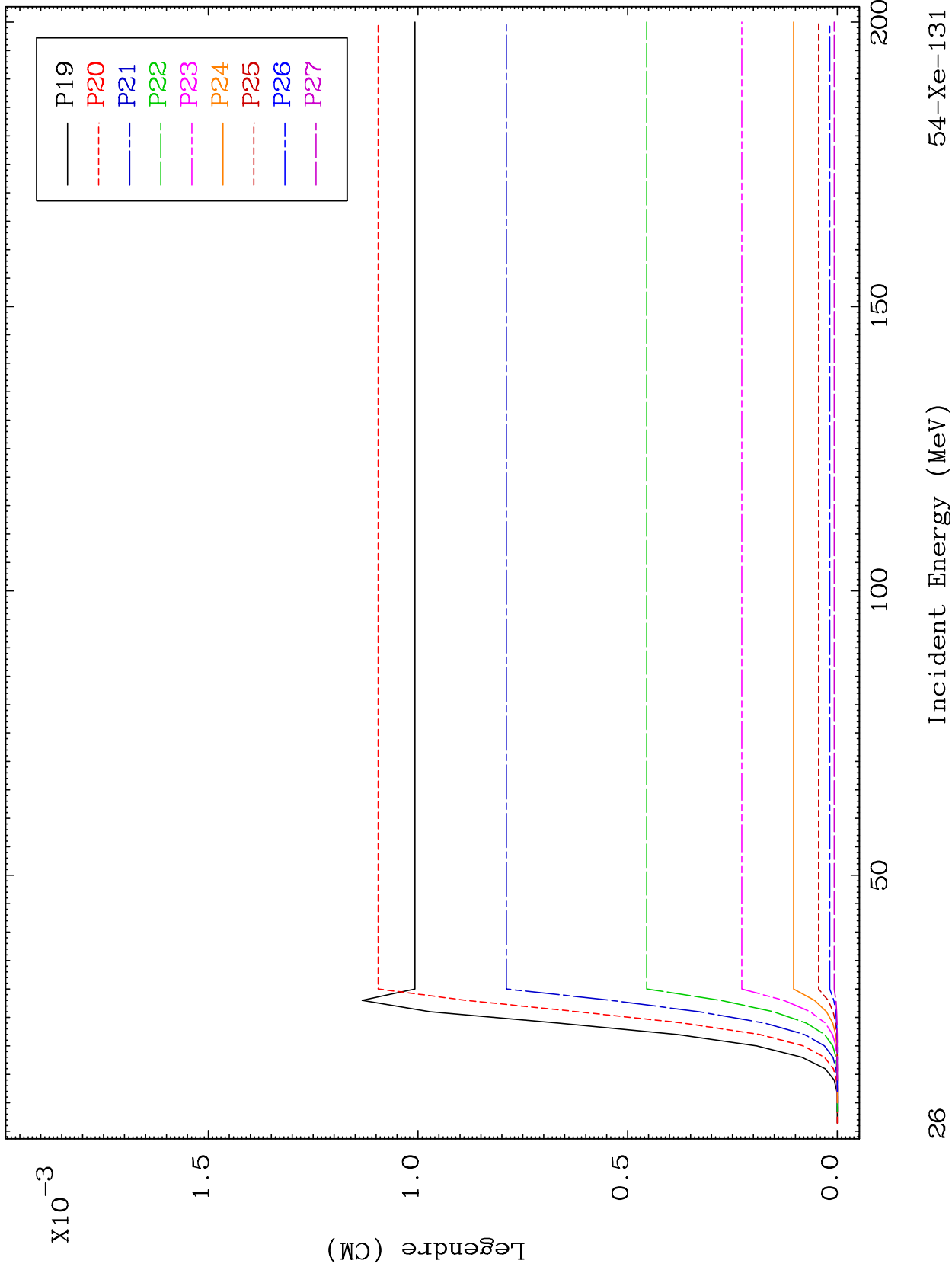
54-Xe-131



54-Xe-131

Incident Energy (MeV)

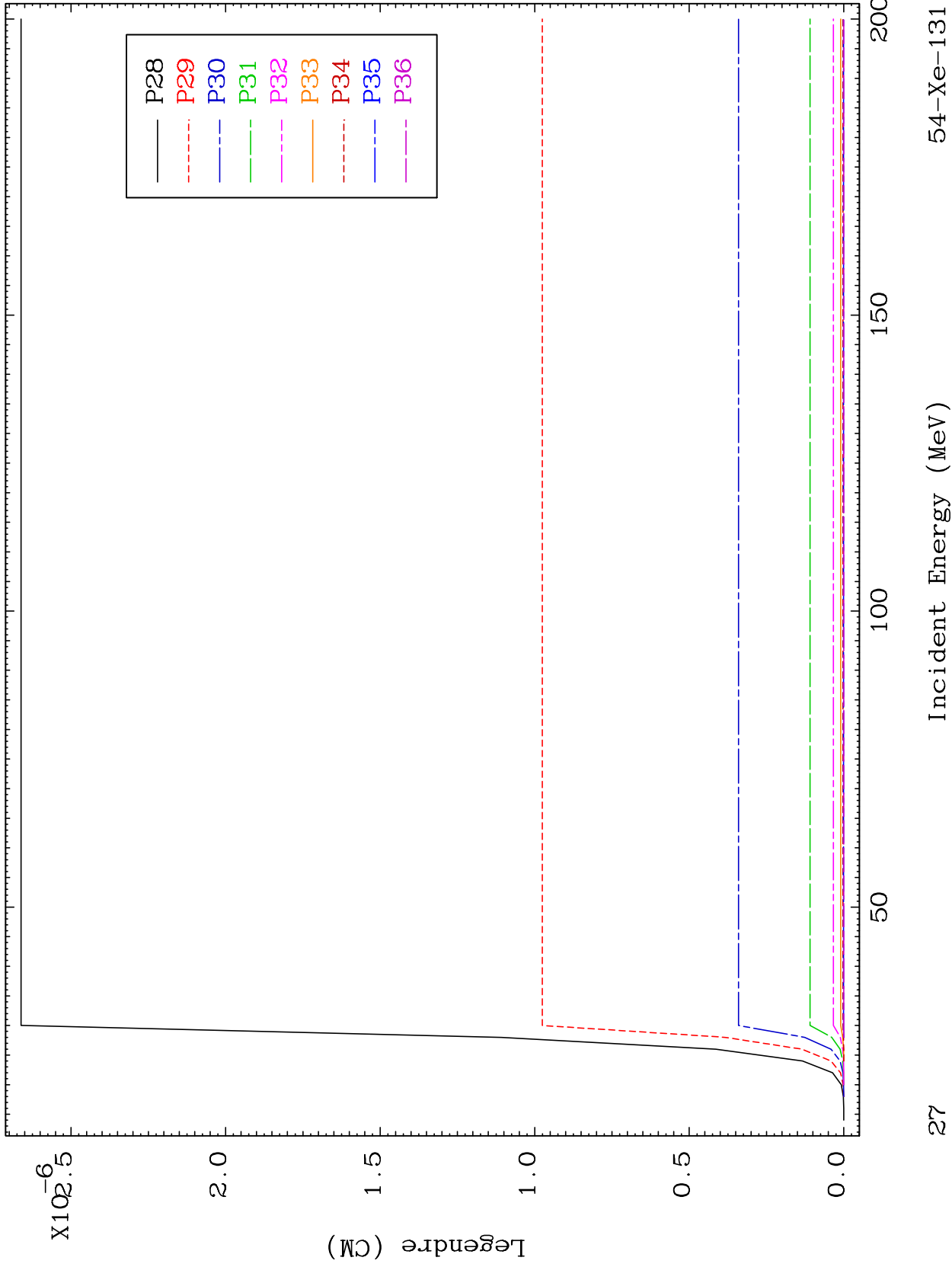
25



MAT 5446

163.9 keV (n,n') Level  
Legendre Coefficients

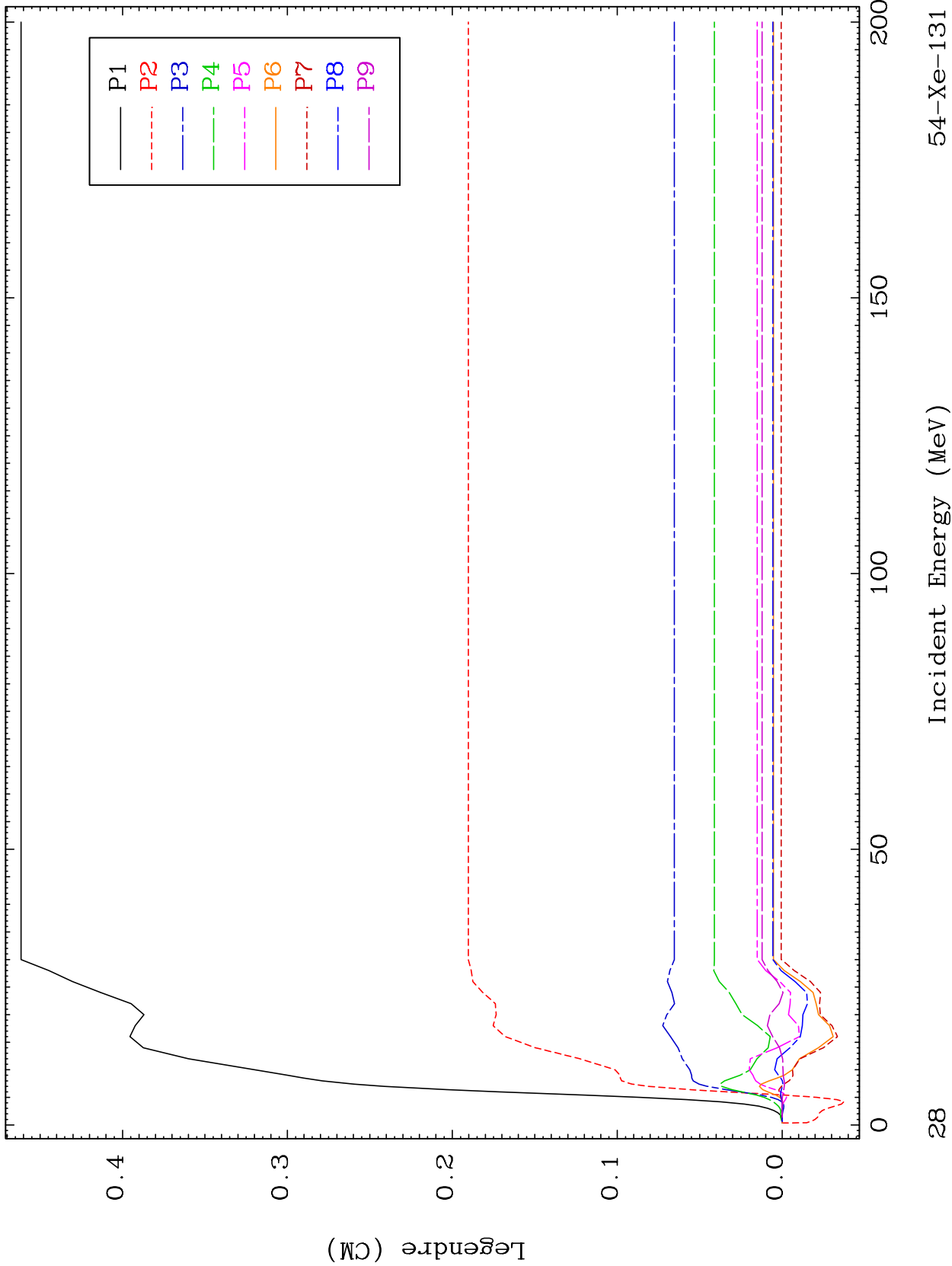
54-Xe-131



MAT 5446

341.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

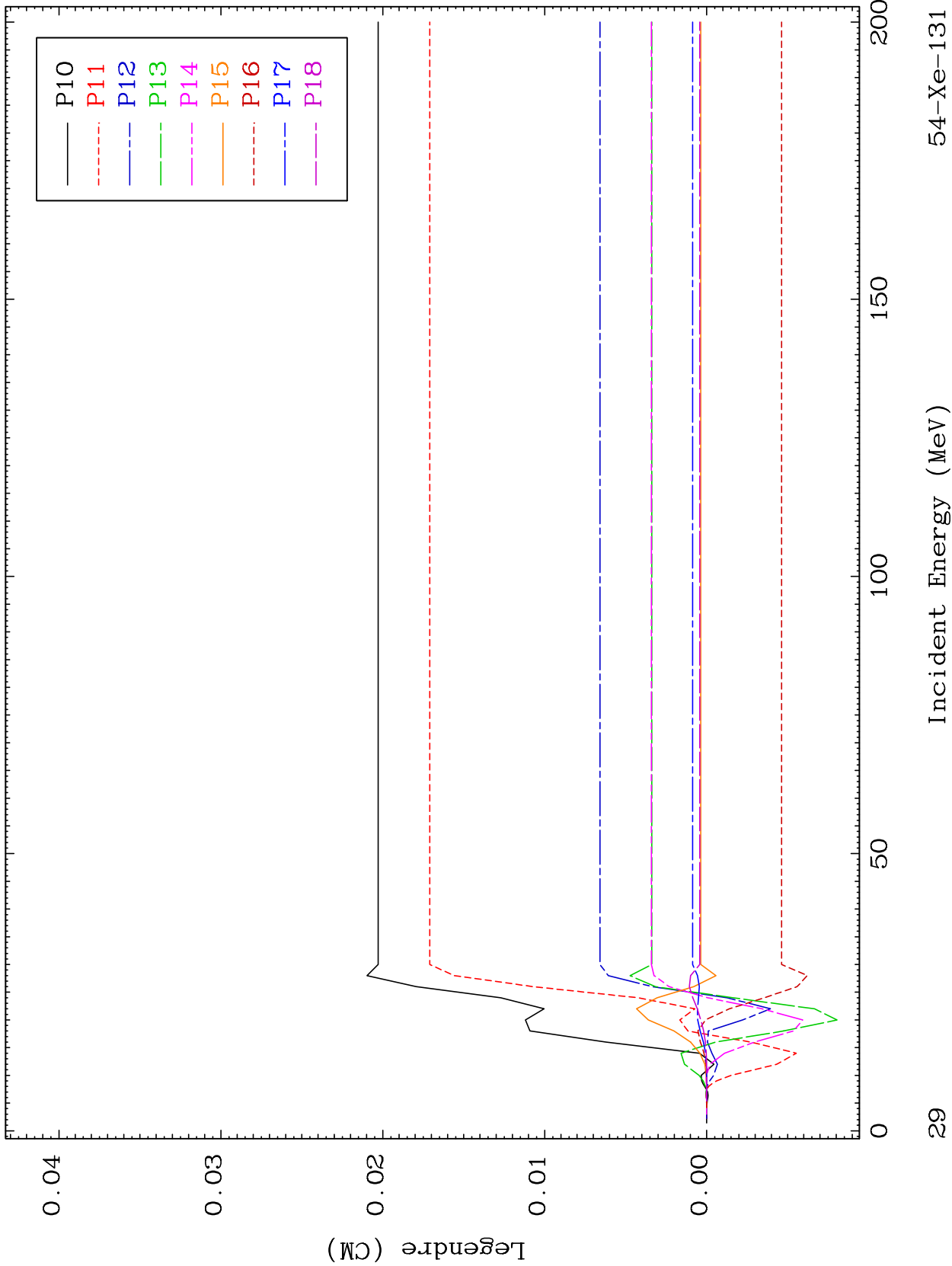
Incident Energy (MeV)

28

MAT 5446

341.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

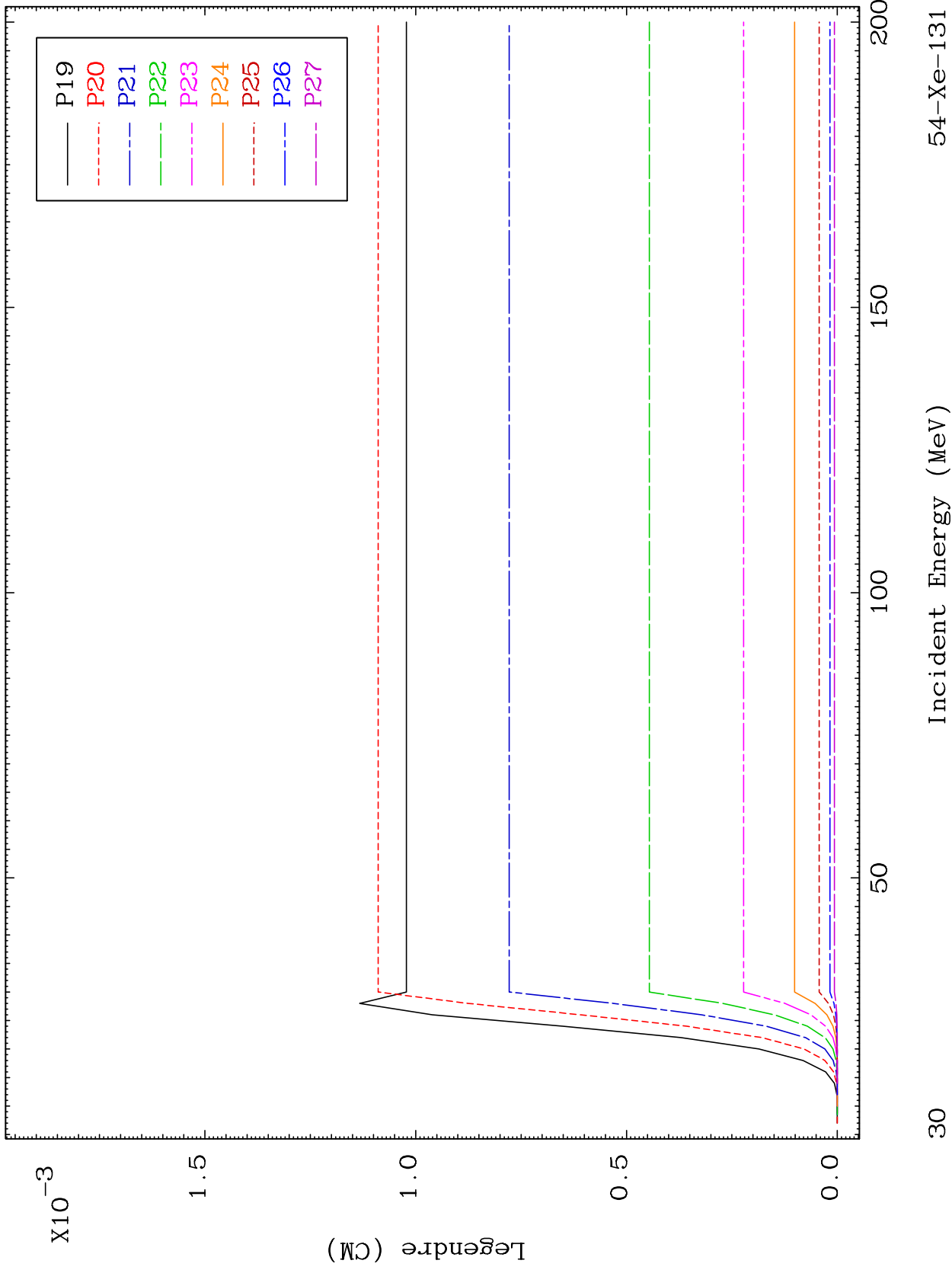
Incident Energy (MeV)

29

MAT 5446

341.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

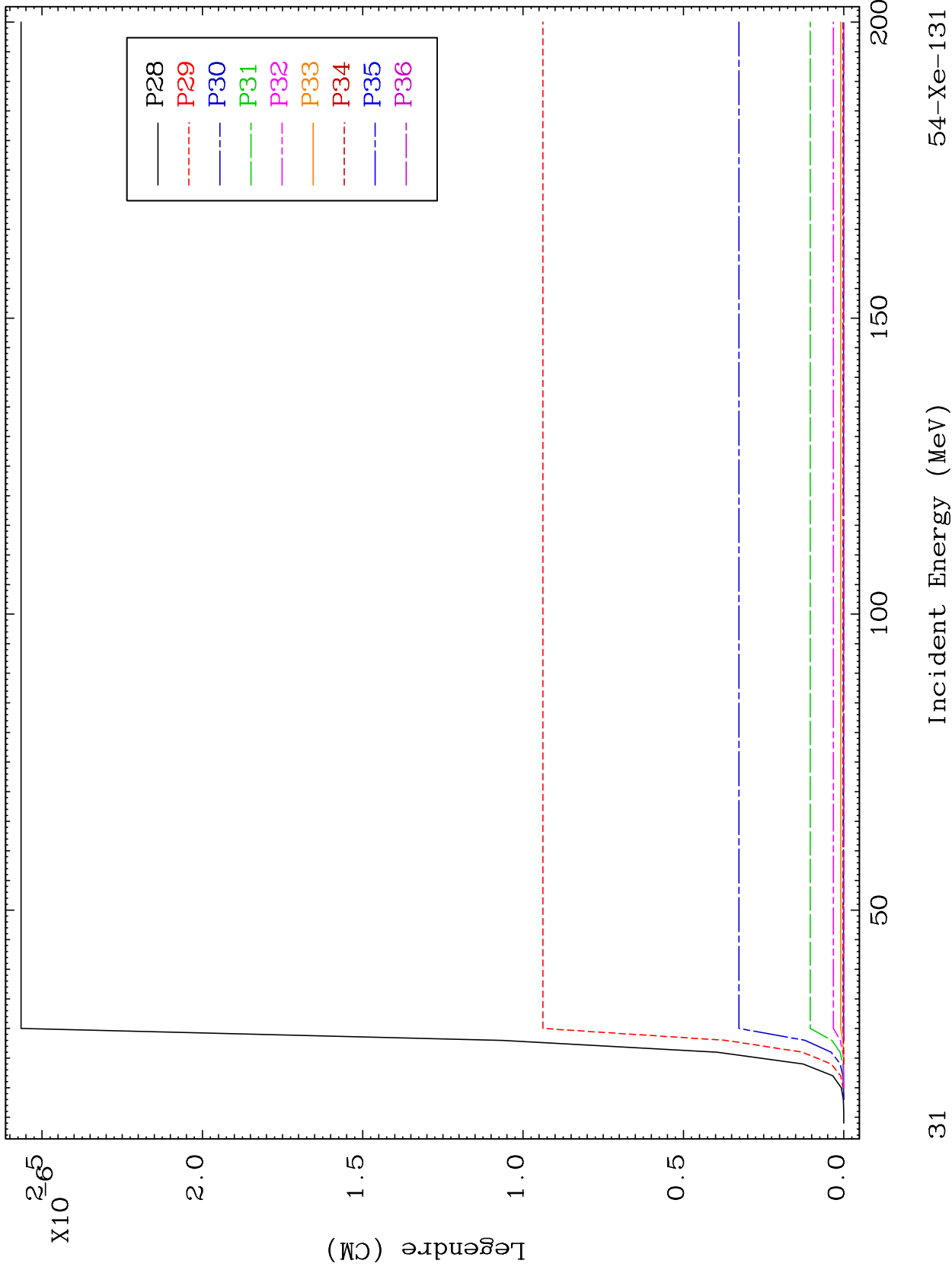
Incident Energy (MeV)

30

MAT 5446

341.1 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



31

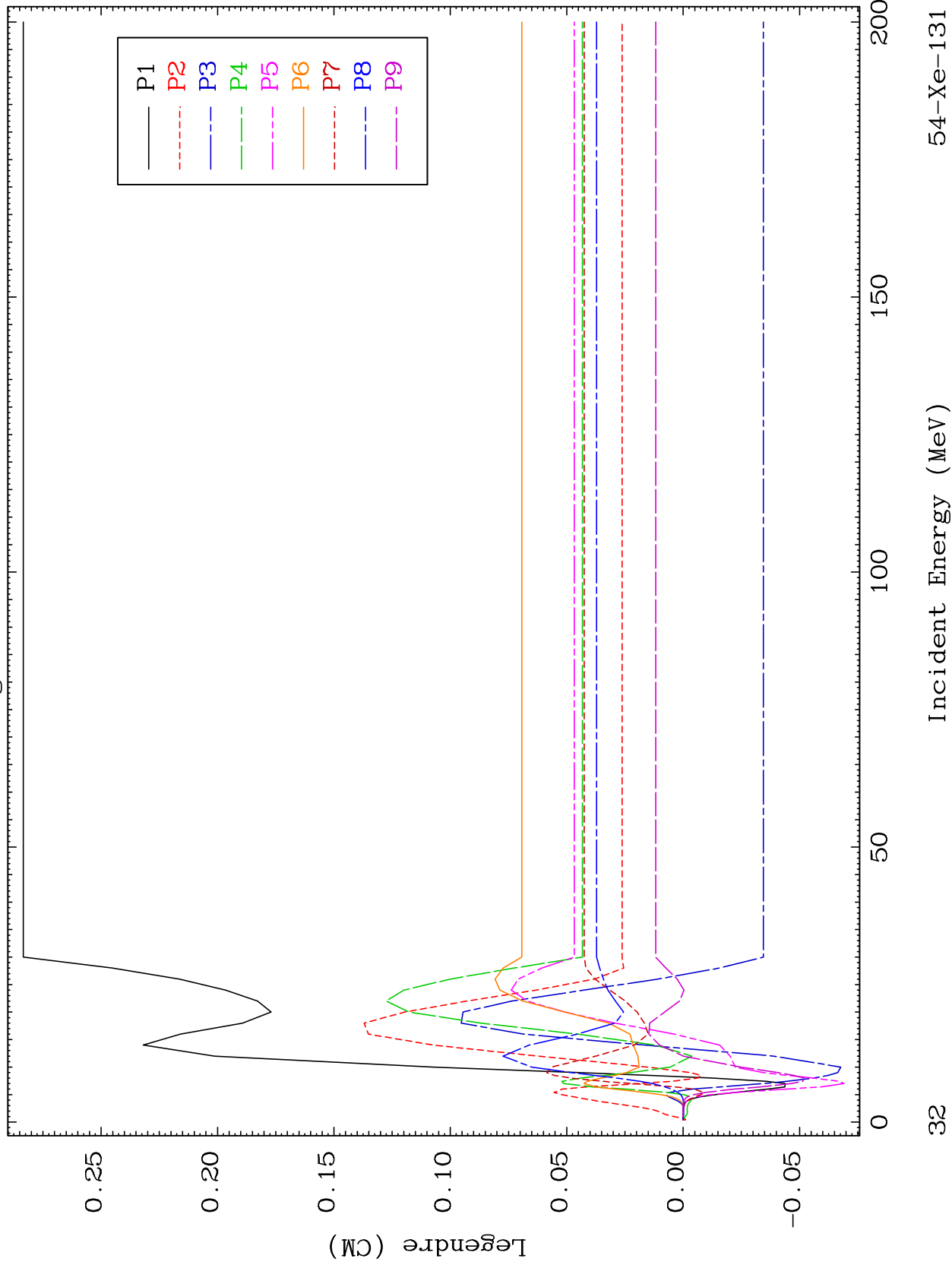
200



MAT 5446

364.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

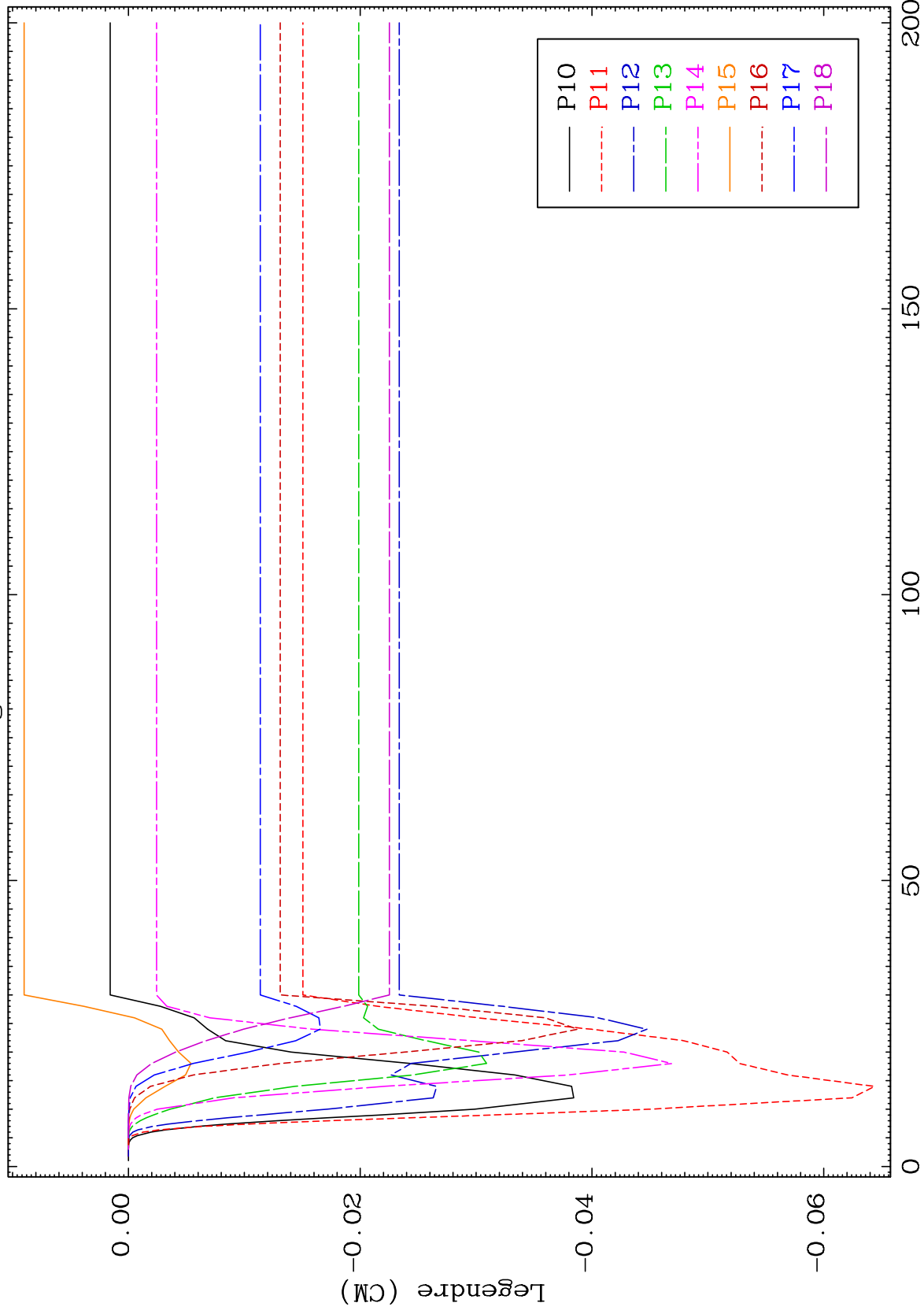
Incident Energy (MeV)

32

MAT 5446

364.5 keV (n,n') Level  
Legendre Coefficients

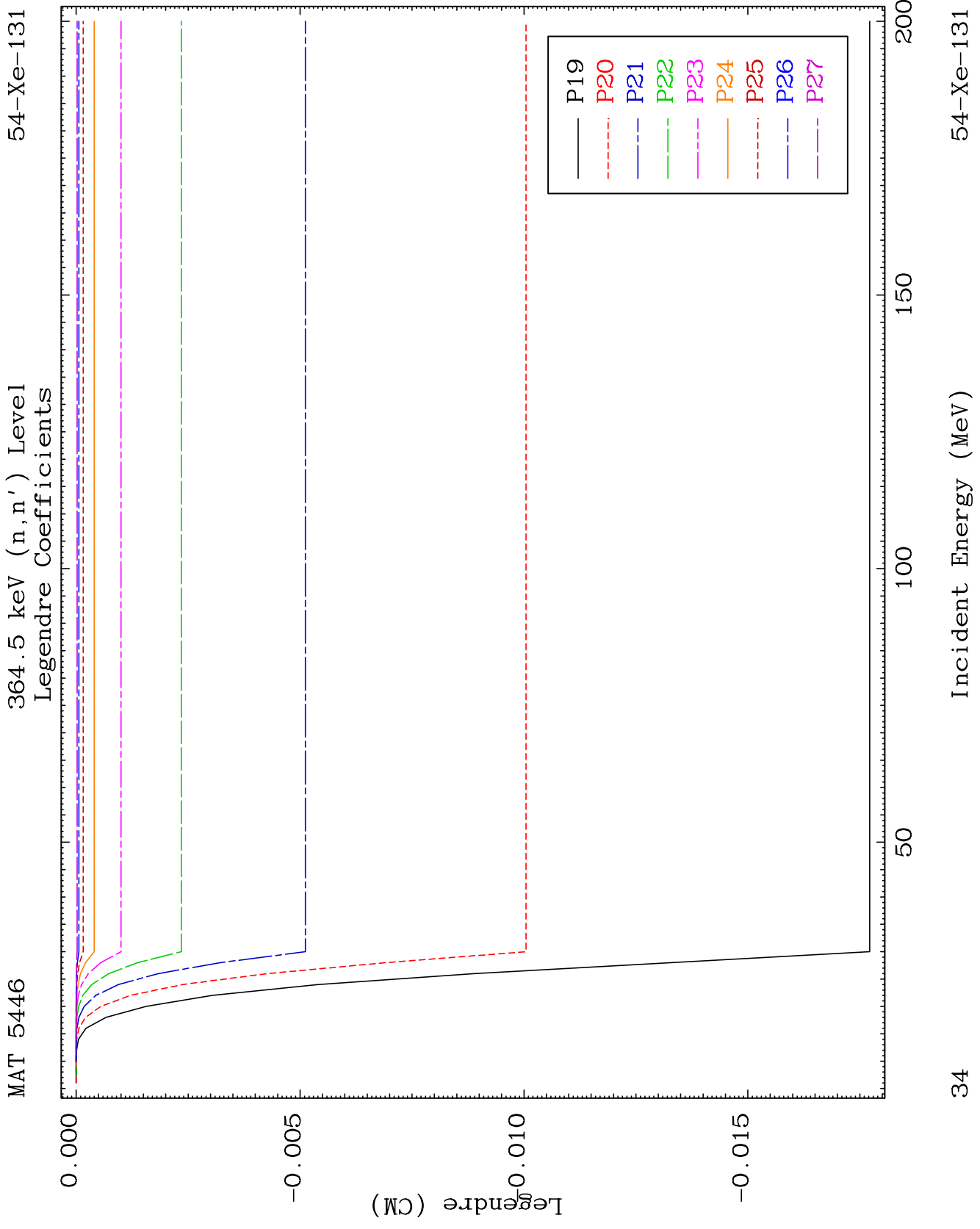
54-Xe-131

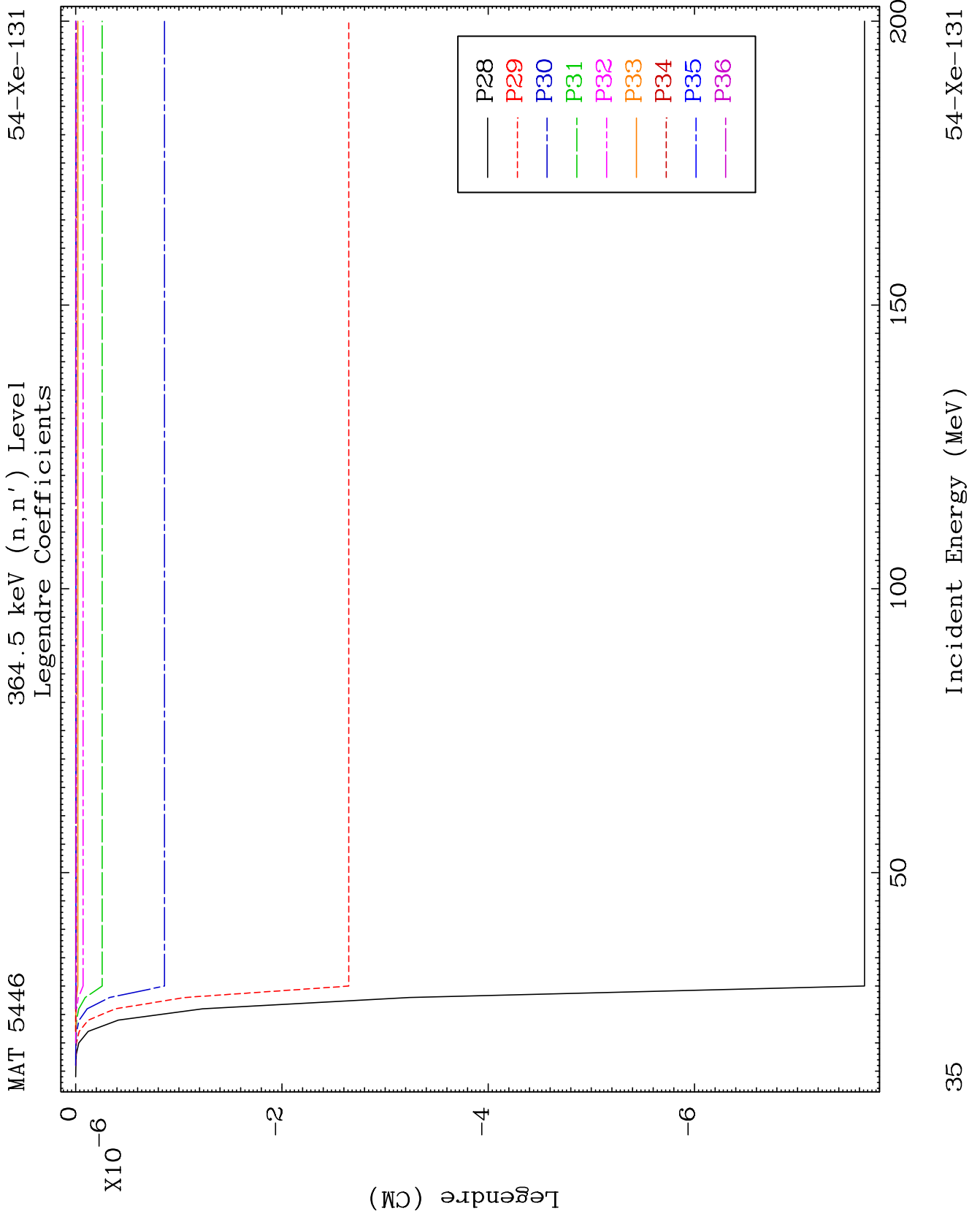


33

Incident Energy (MeV)

54-Xe-131



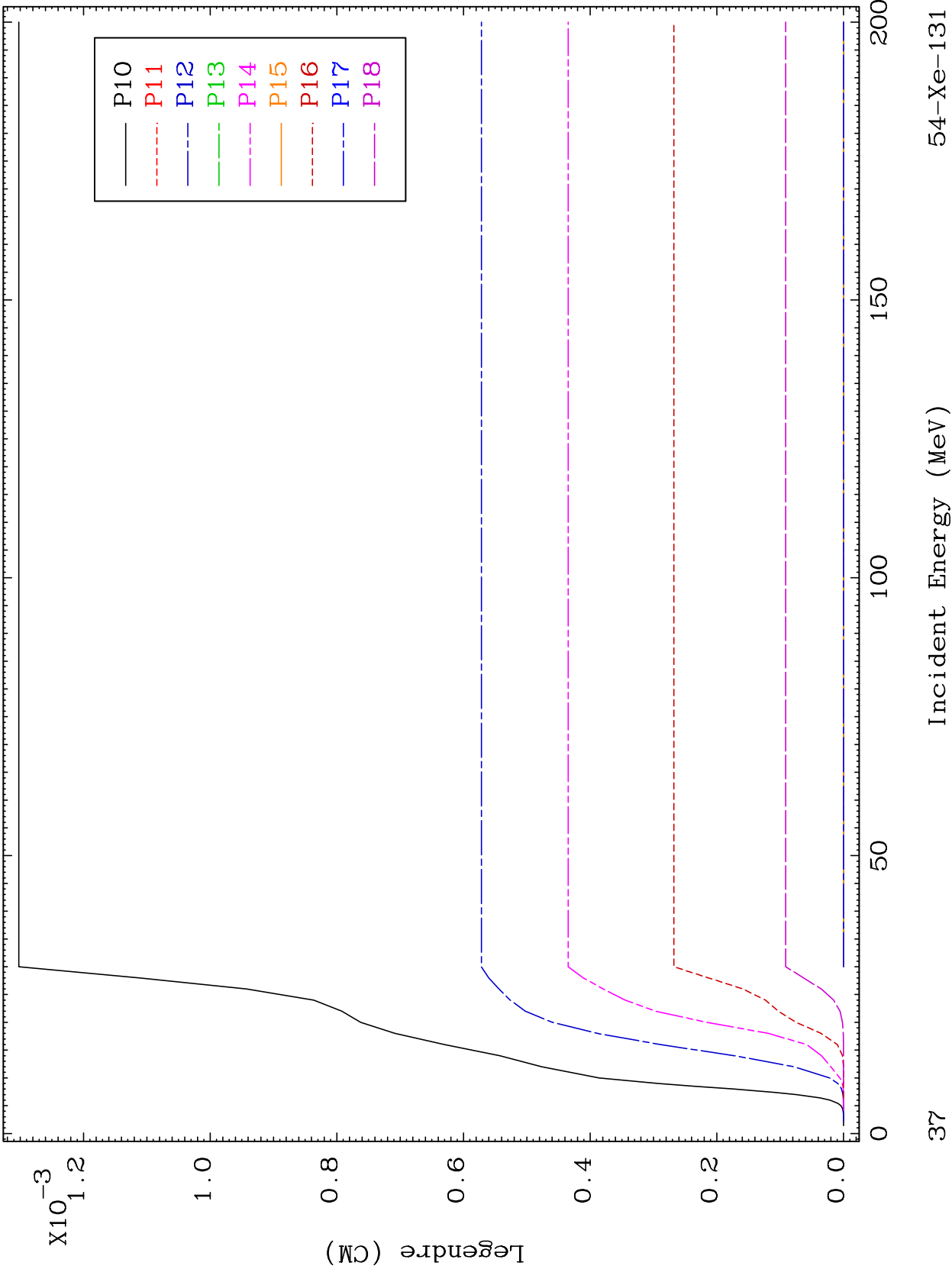




MAT 5446

404.8 keV (n,n') Level  
Legendre Coefficients

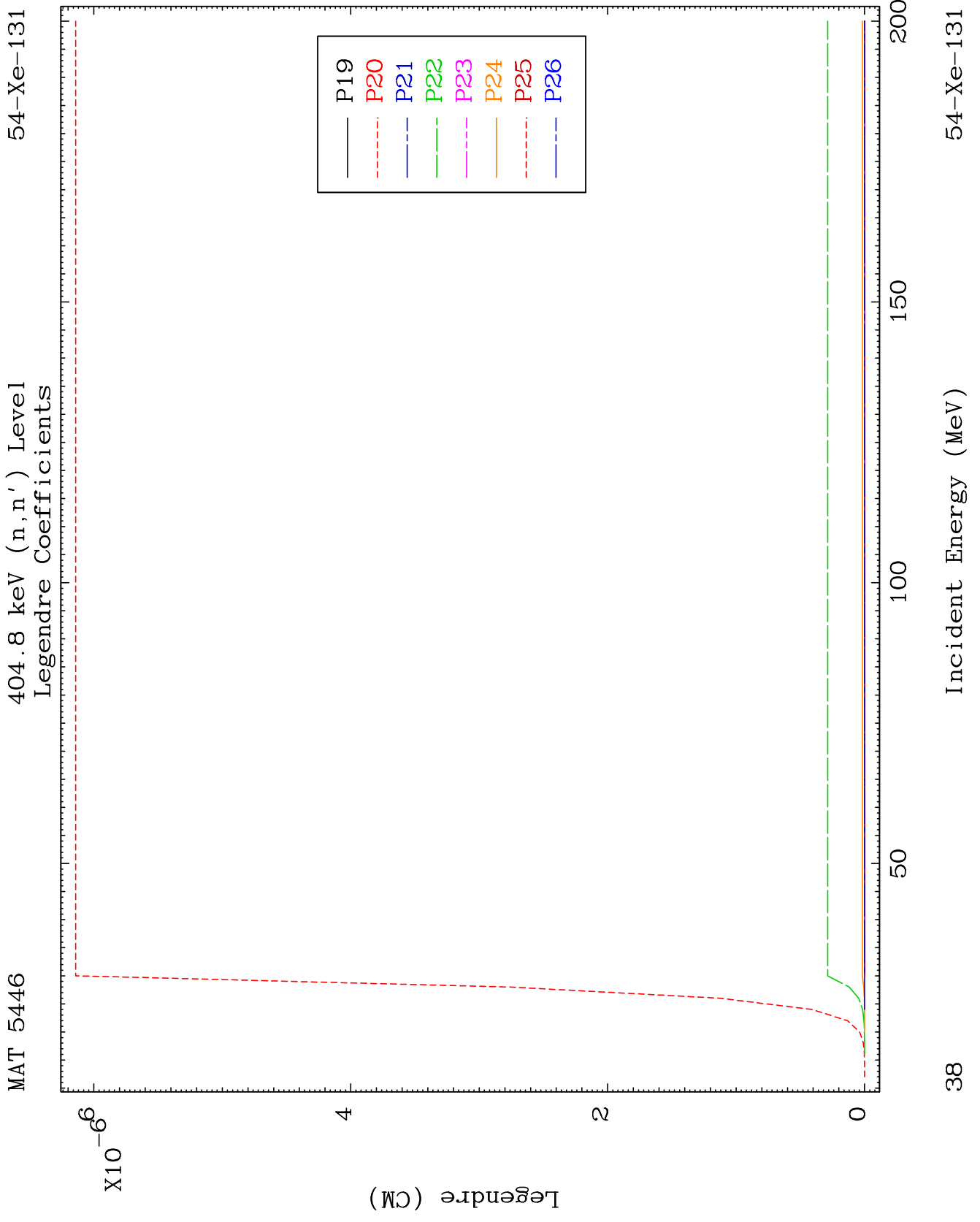
54-Xe-131



37

Incident Energy (MeV)

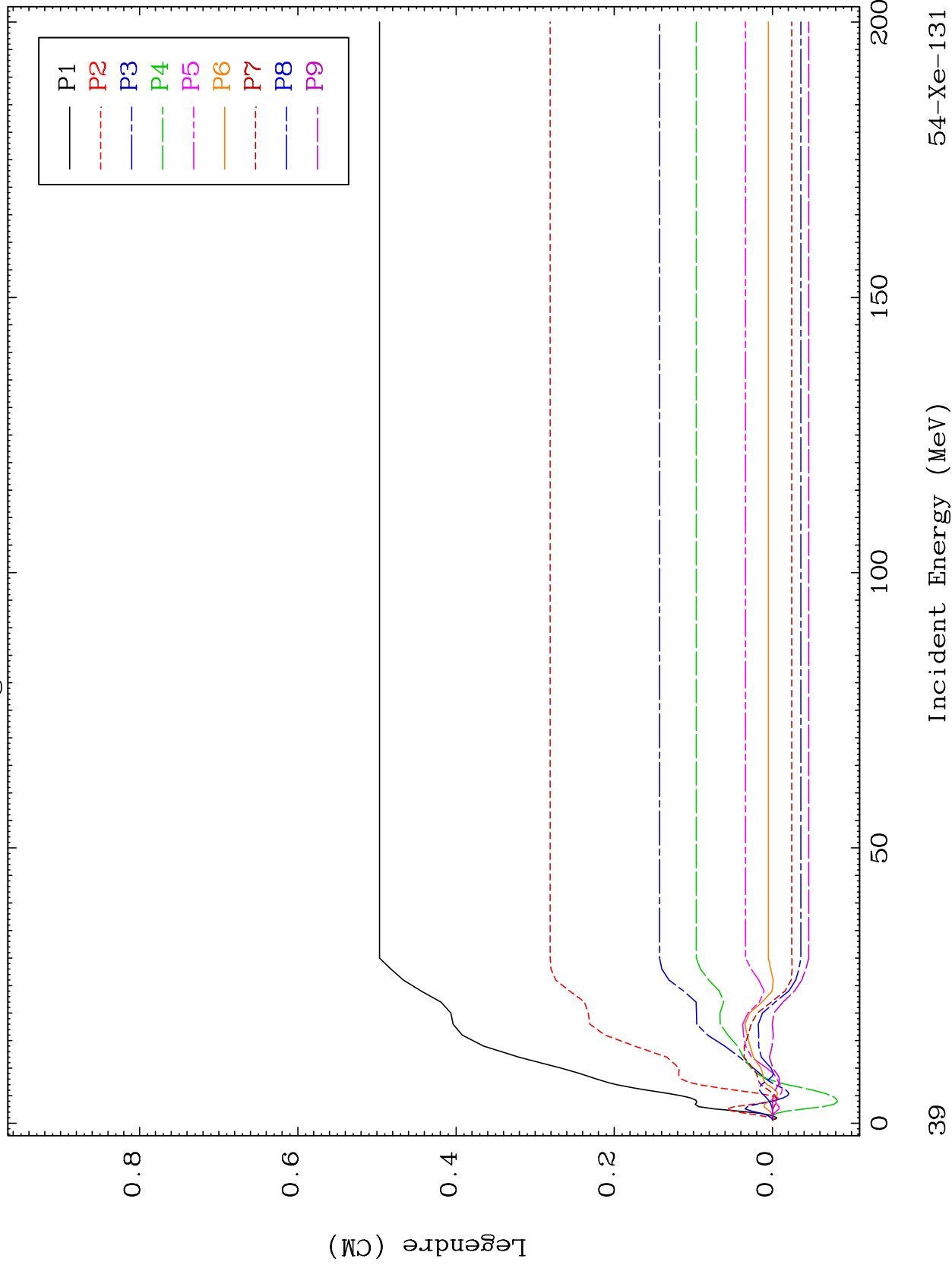
54-Xe-131



MAT 5446

565.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



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54-Xe-131

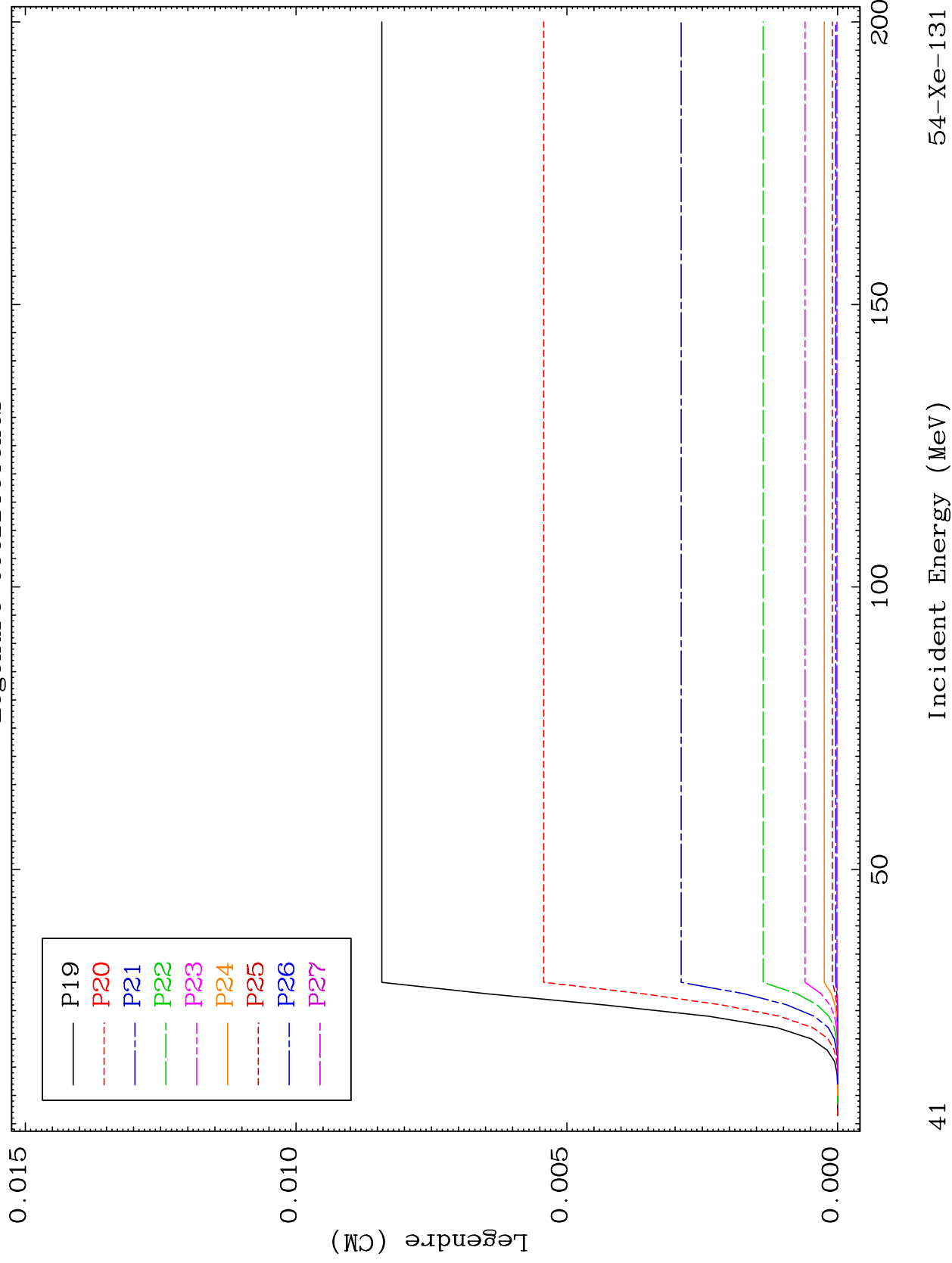




MAT 5446

565.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



41

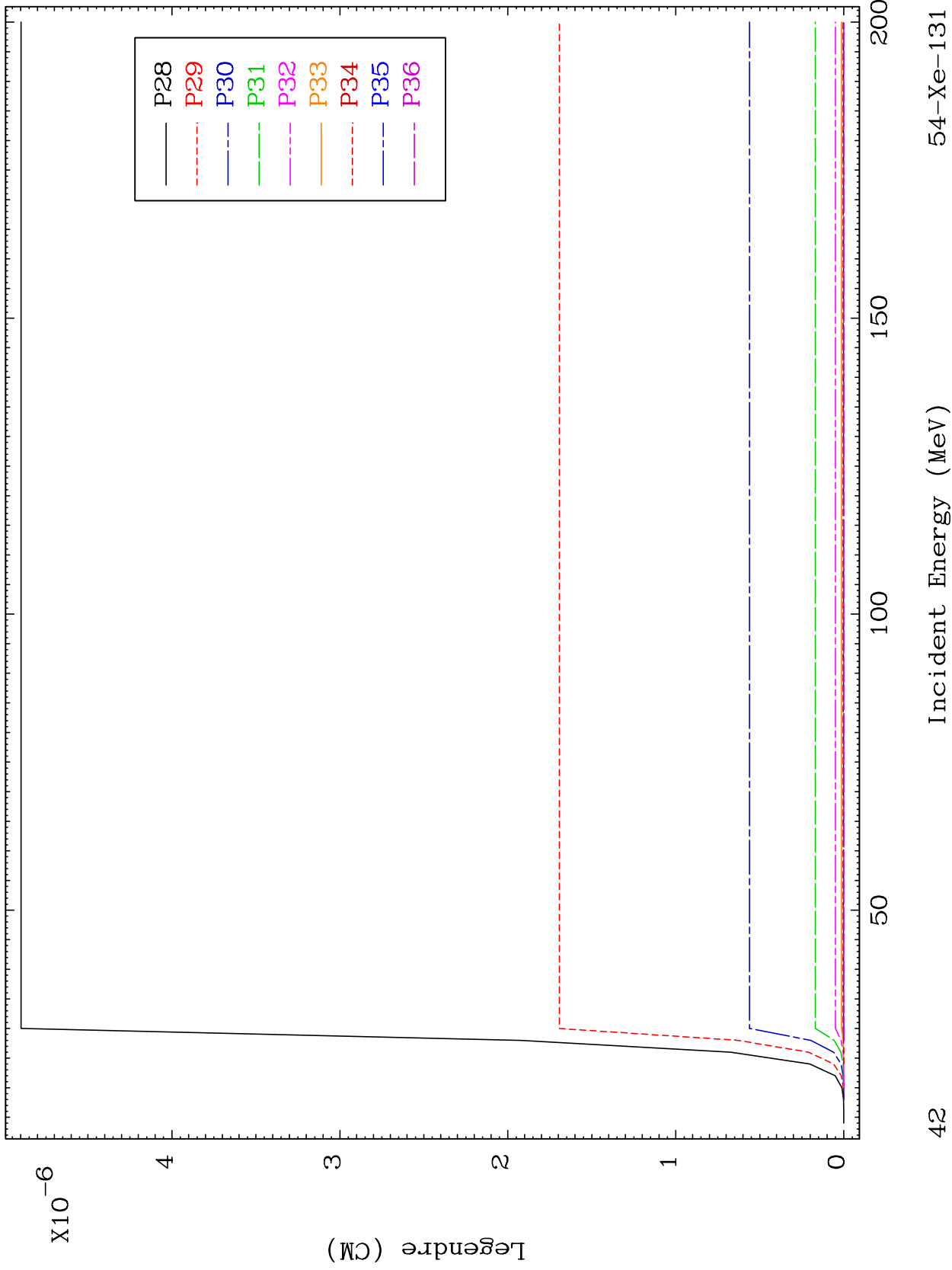
Incident Energy (MeV)

54-Xe-131

MAT 5446

565.2 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



42

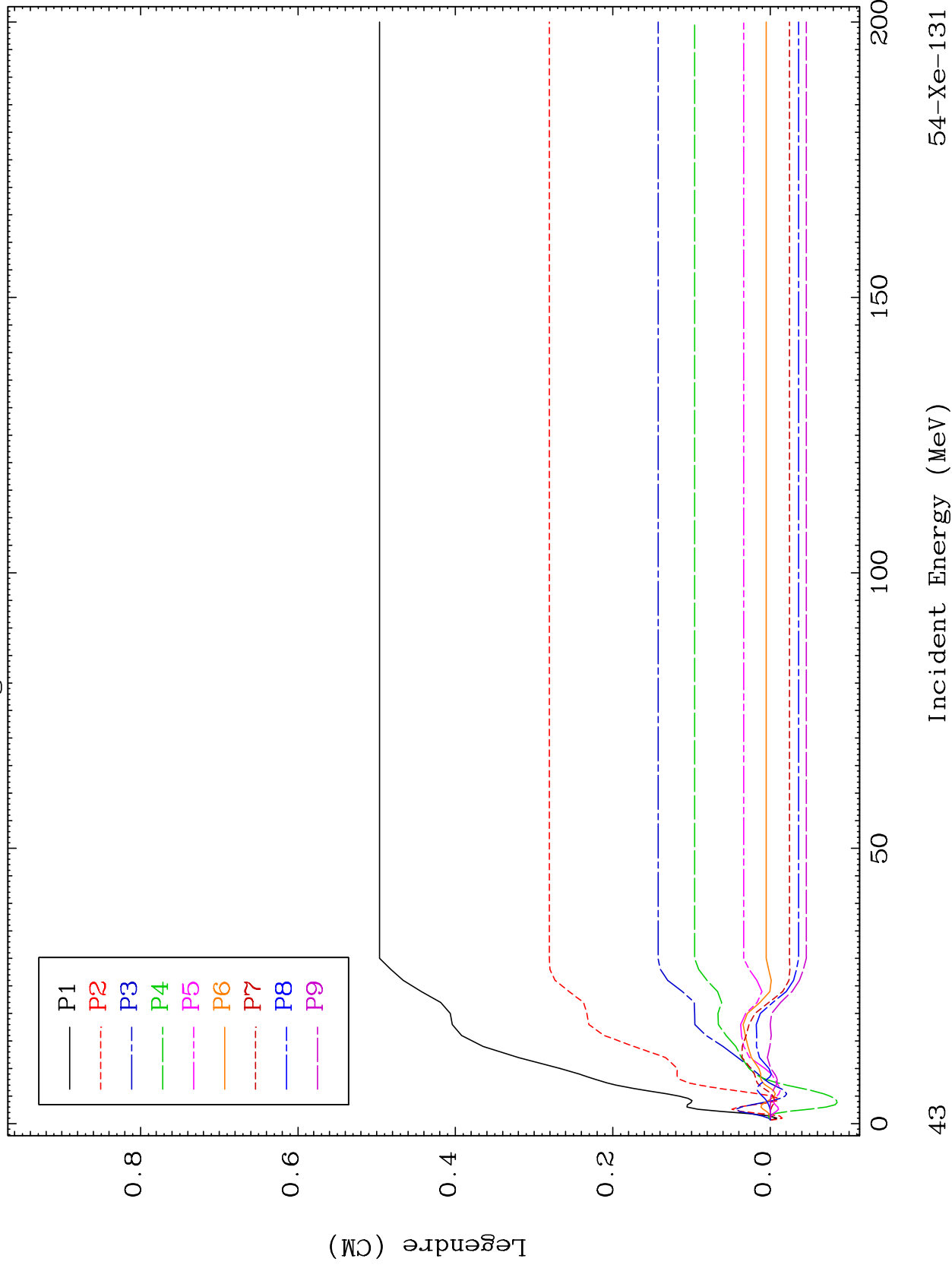
Incident Energy (MeV)

54-Xe-131

MAT 5446

637.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

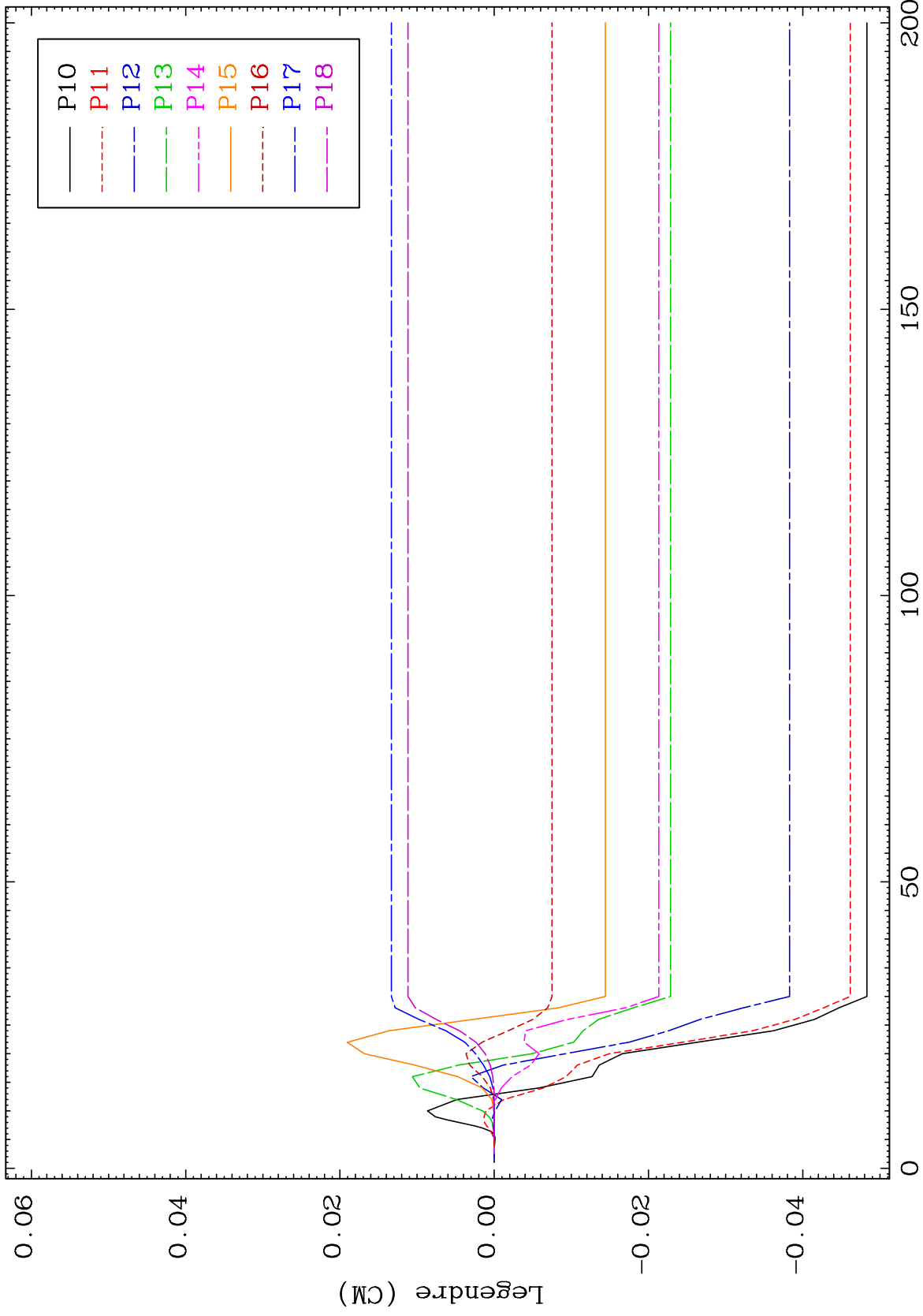
Incident Energy (MeV)

43

MAT 5446

637.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



44

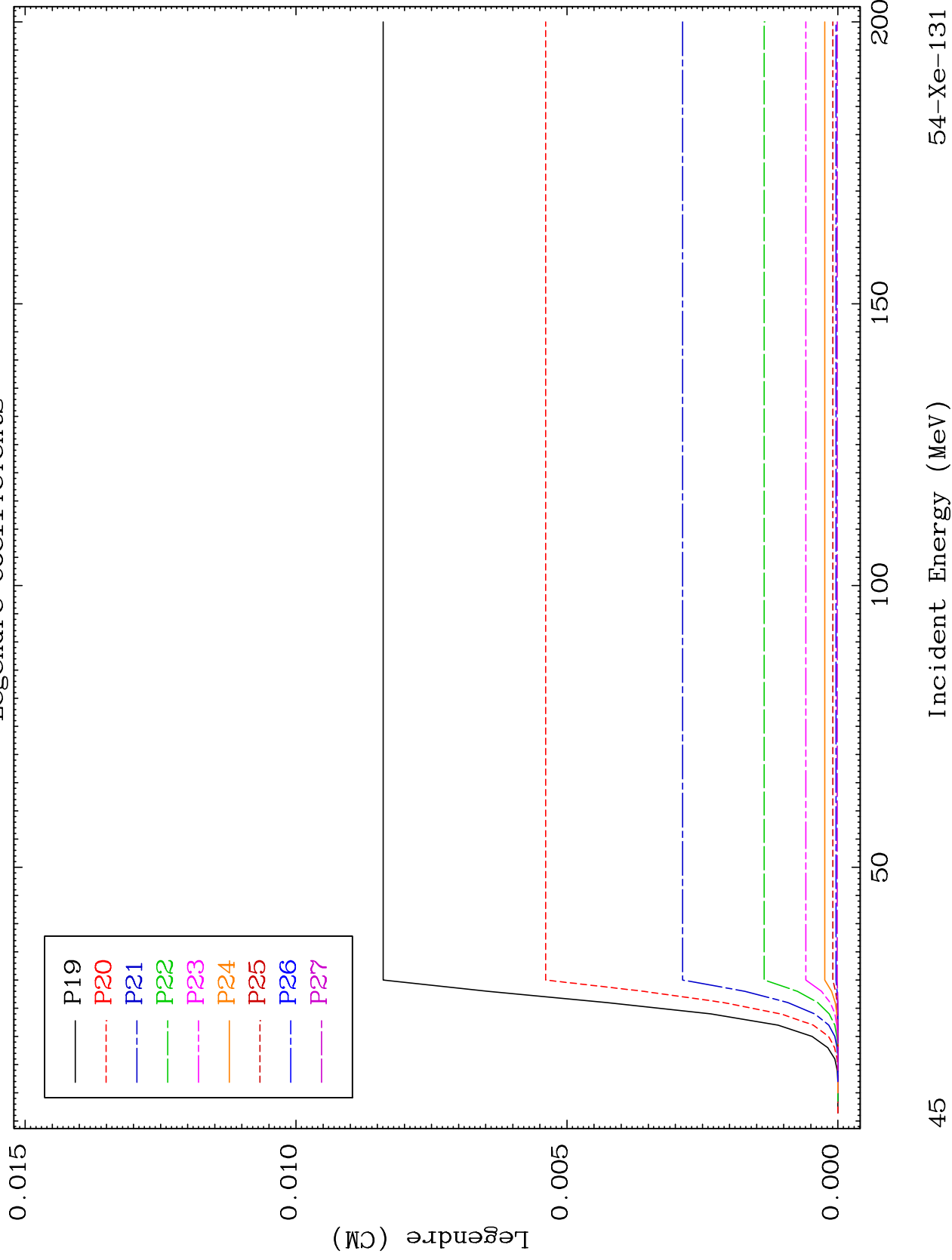
Incident Energy (MeV)

54-Xe-131

MAT 5446

637.0 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



45

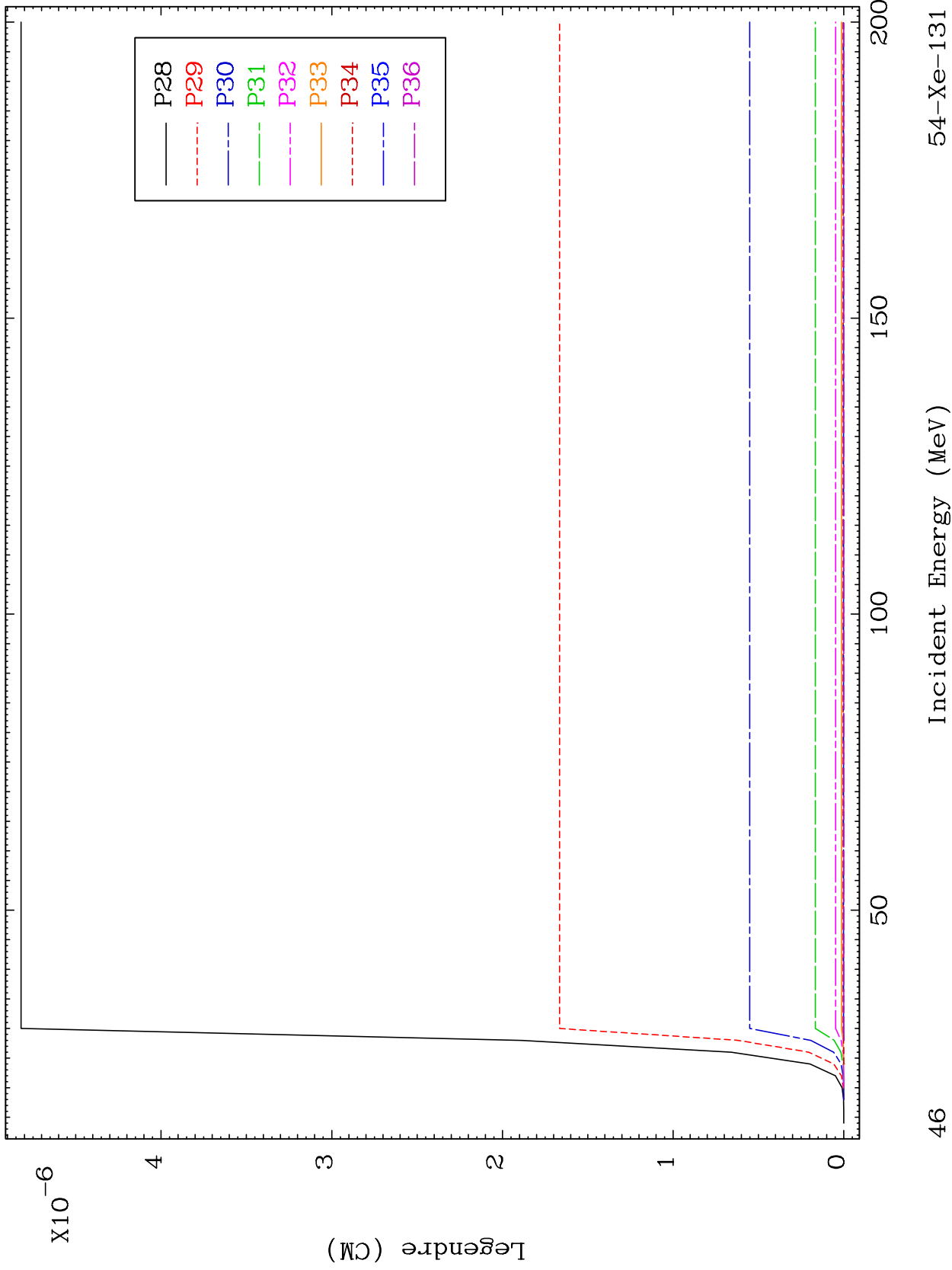
Incident Energy (MeV)

54-Xe-131

MAT 5446

637.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



46

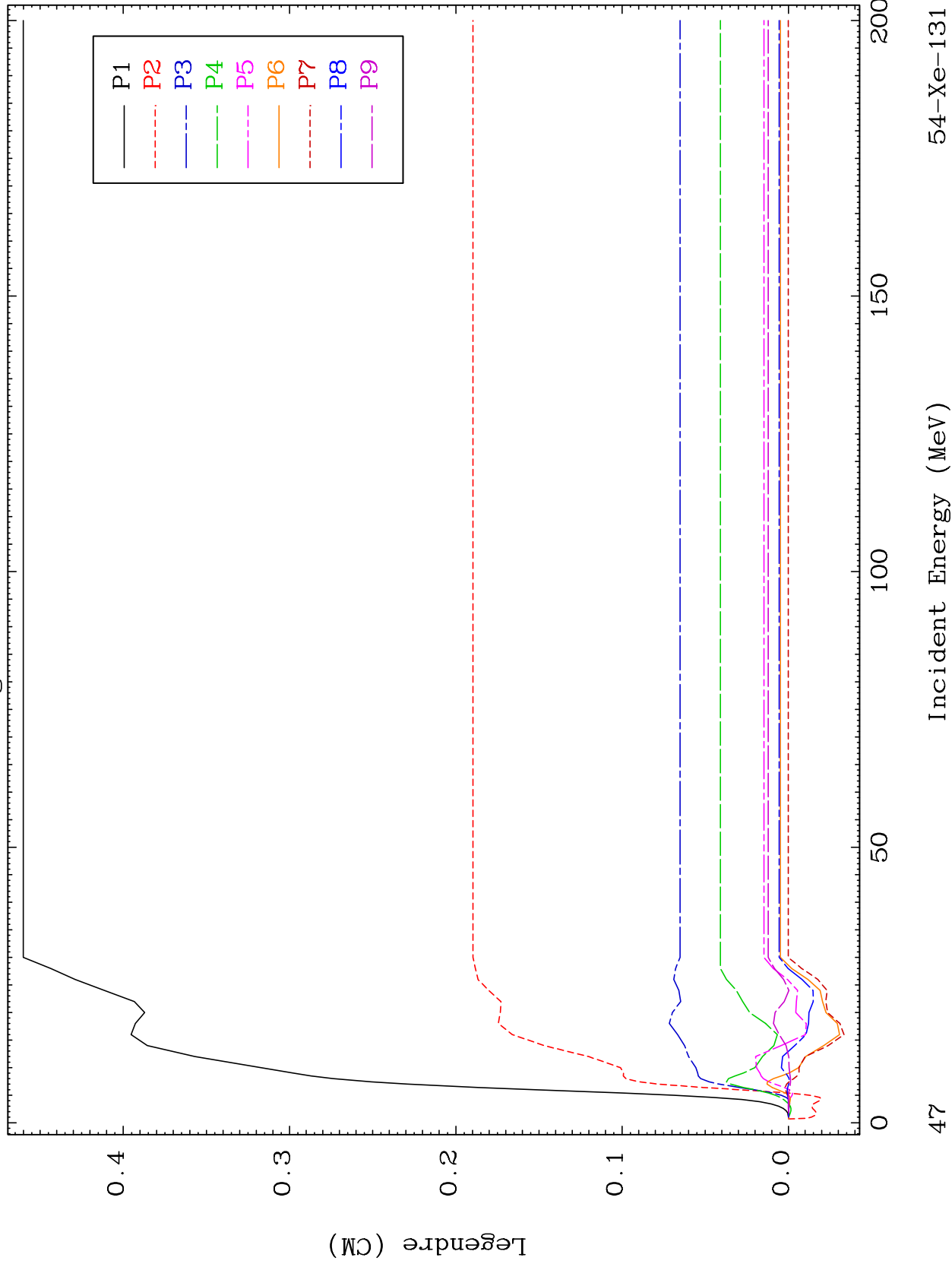
Incident Energy (MeV)

54-Xe-131

MAT 5446

666.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

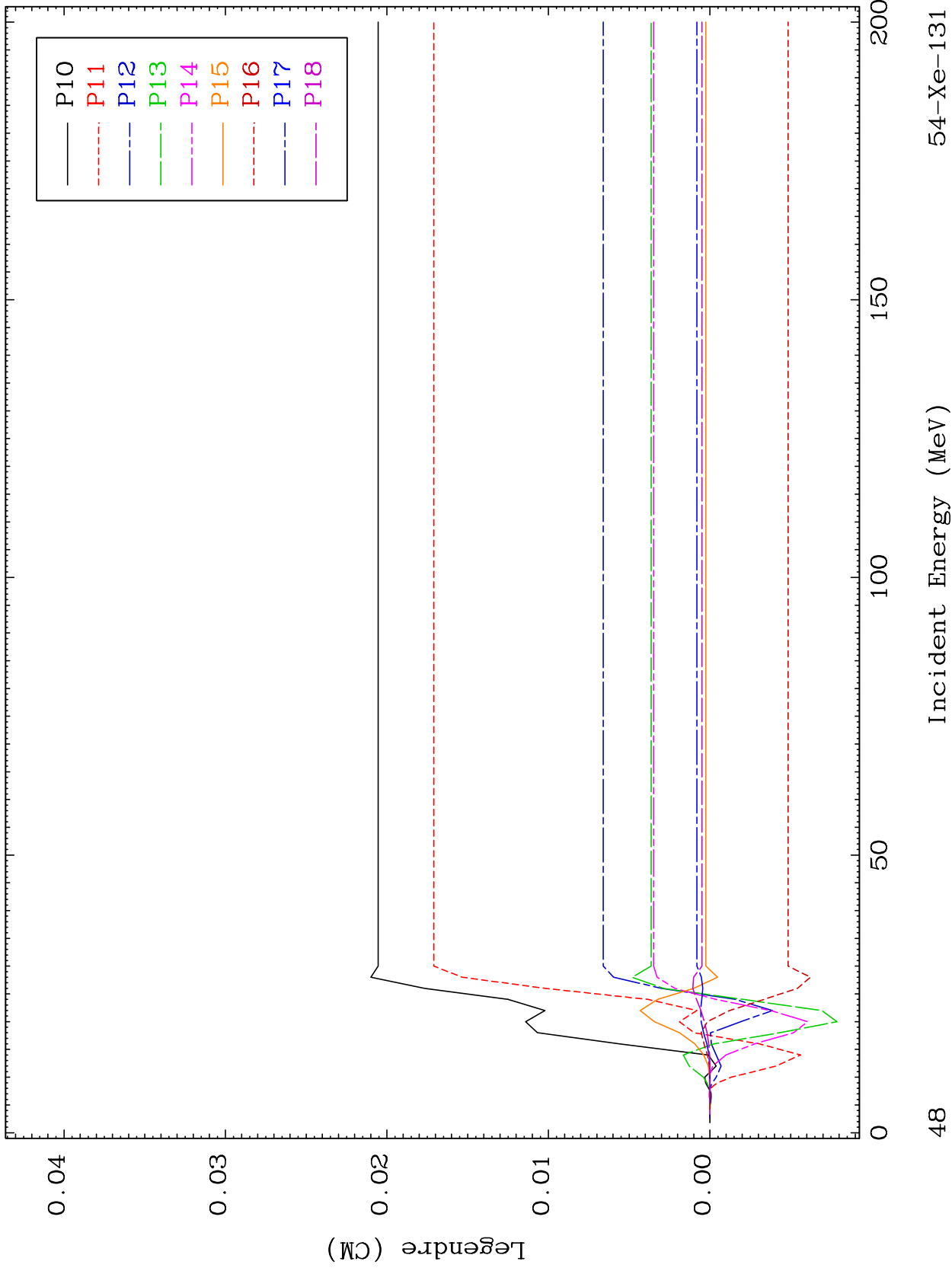
47



MAT 5446

666.9 keV (n,n') Level  
Legendre Coefficients

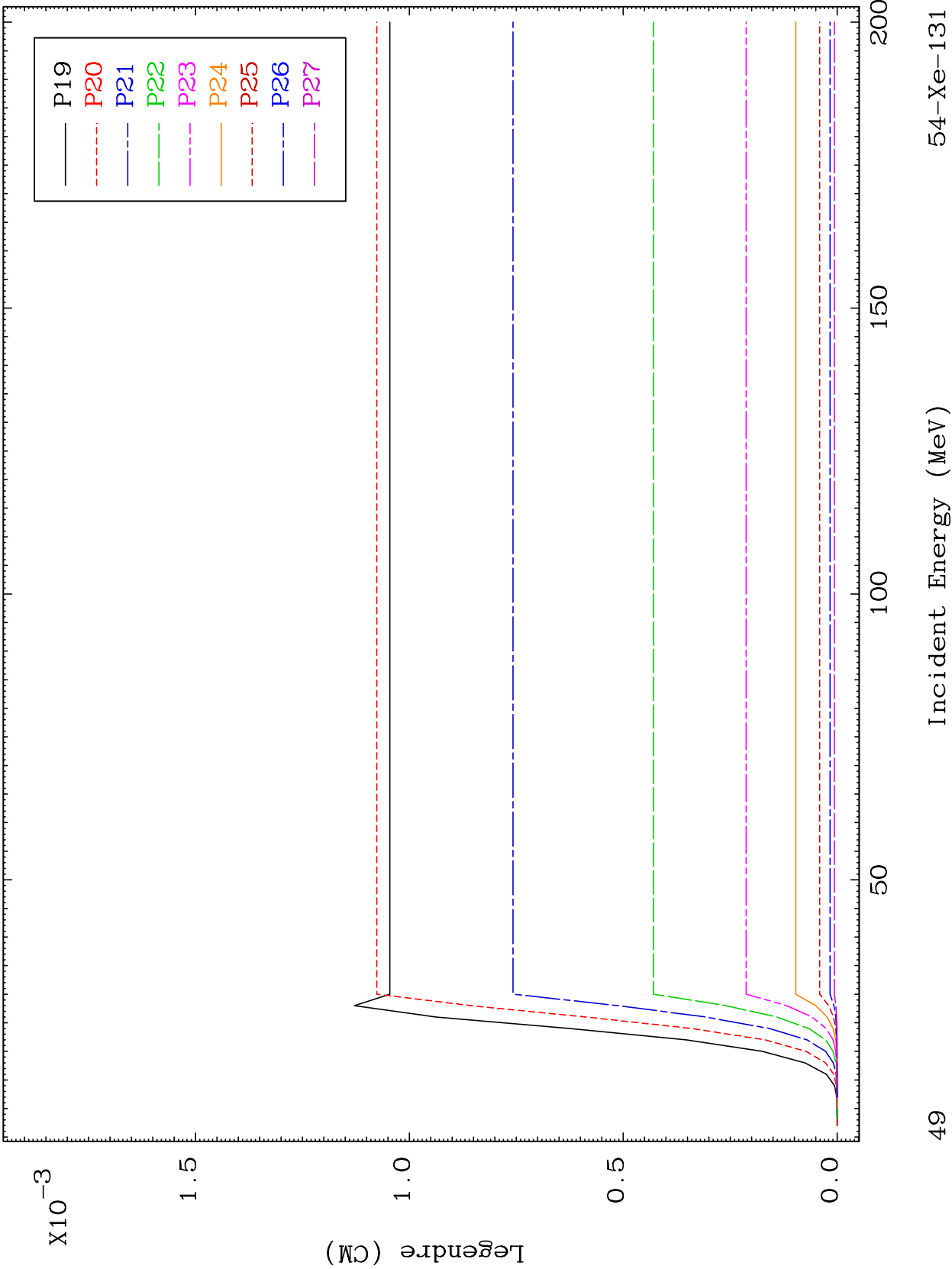
54-Xe-131



MAT 5446

666.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



49

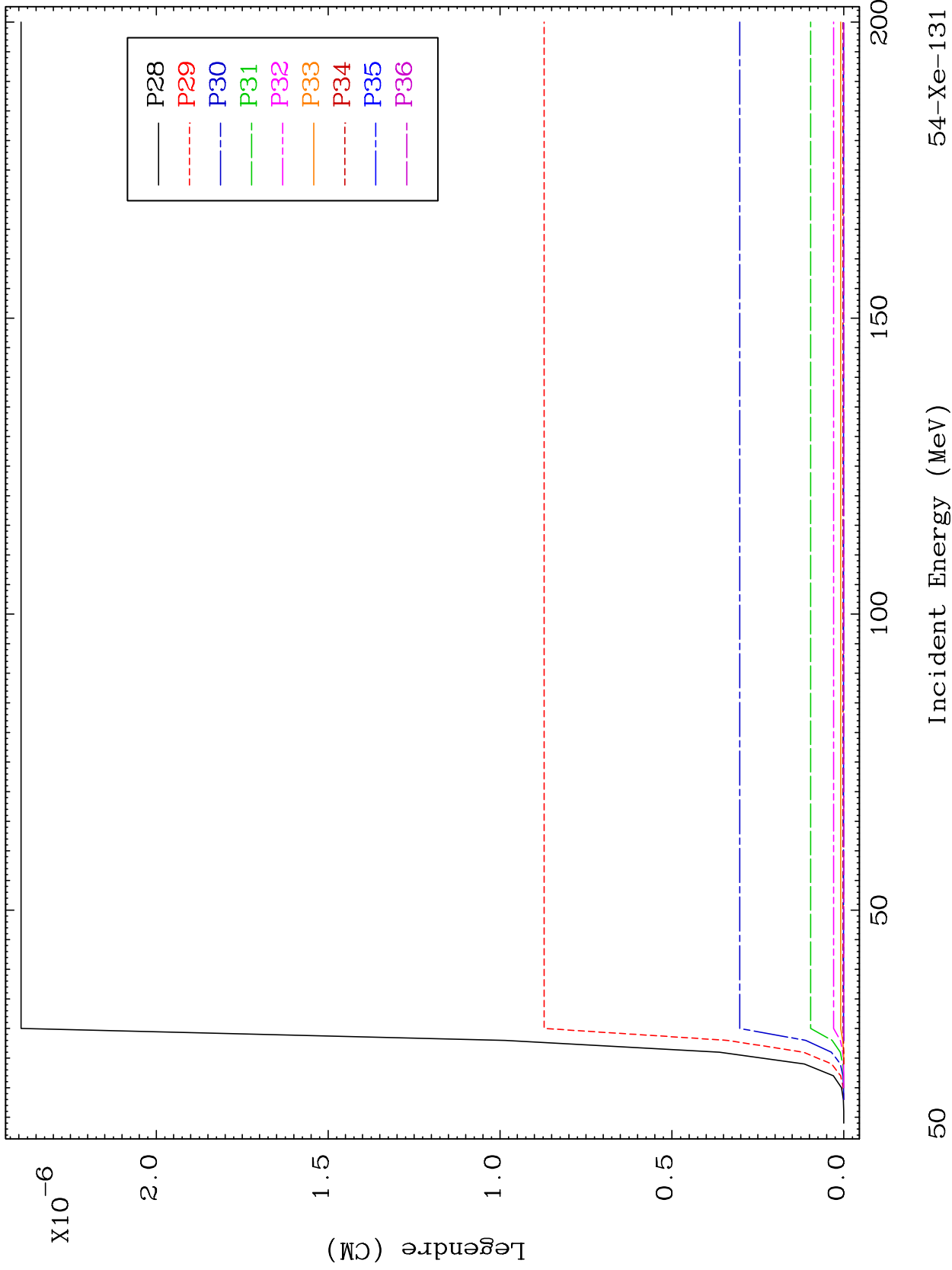
Incident Energy (MeV)

54-Xe-131

MAT 5446

666.9 keV (n, n') Level  
Legendre Coefficients

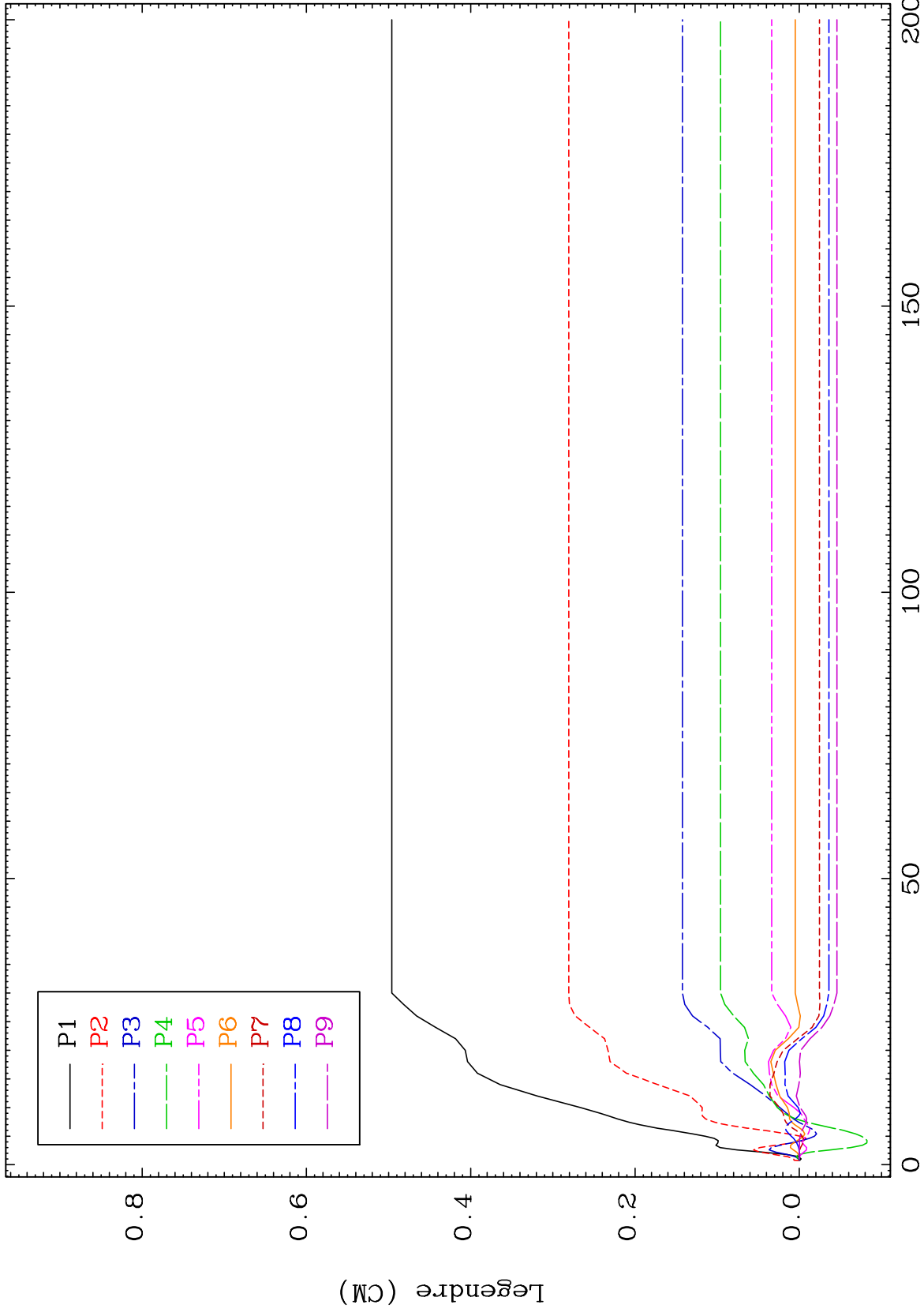
54-Xe-131



MAT 5446

699.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



51

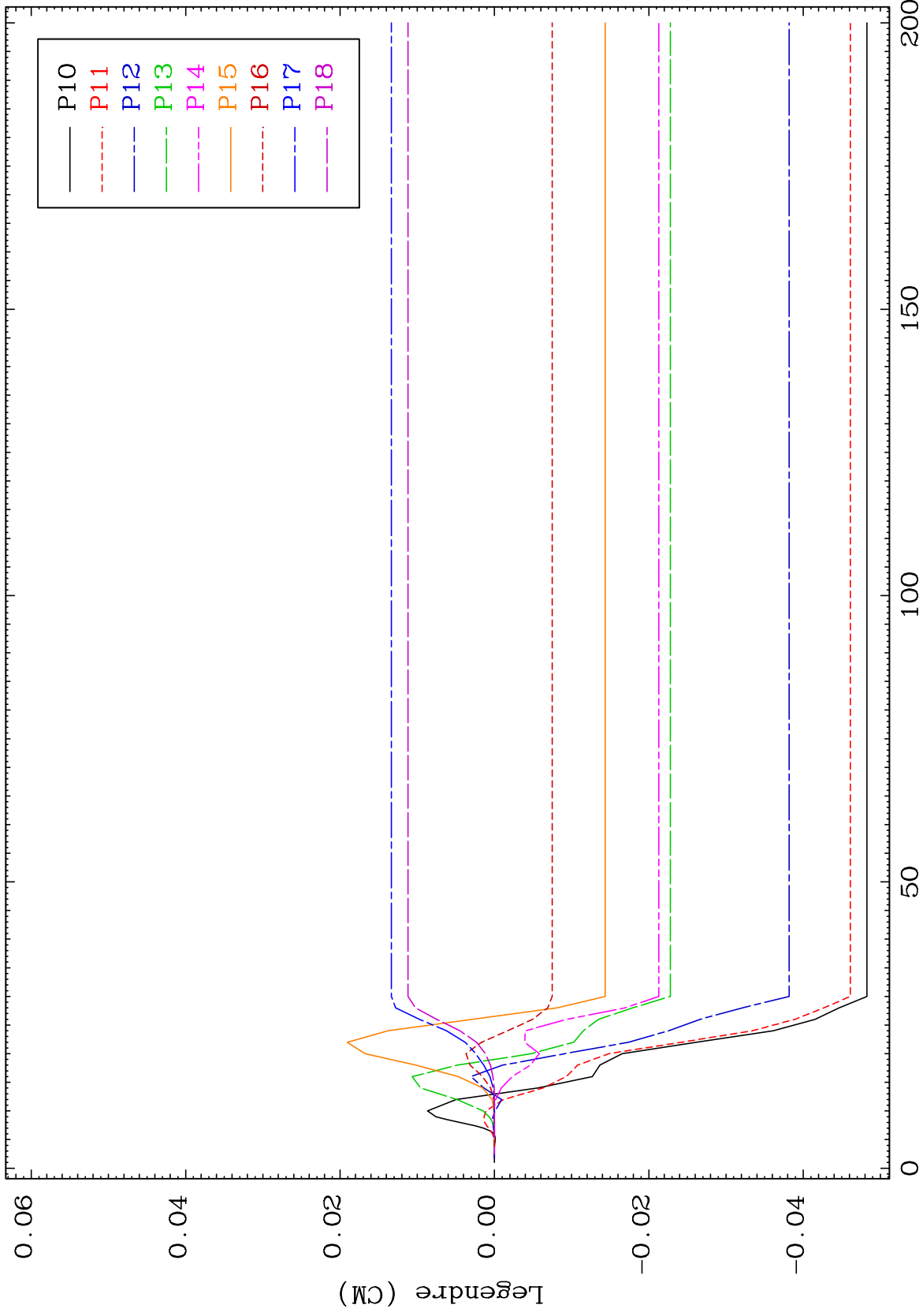
Incident Energy (MeV)

54-Xe-131

MAT 5446

699.9 keV (n,n') Level  
Legendre Coefficients

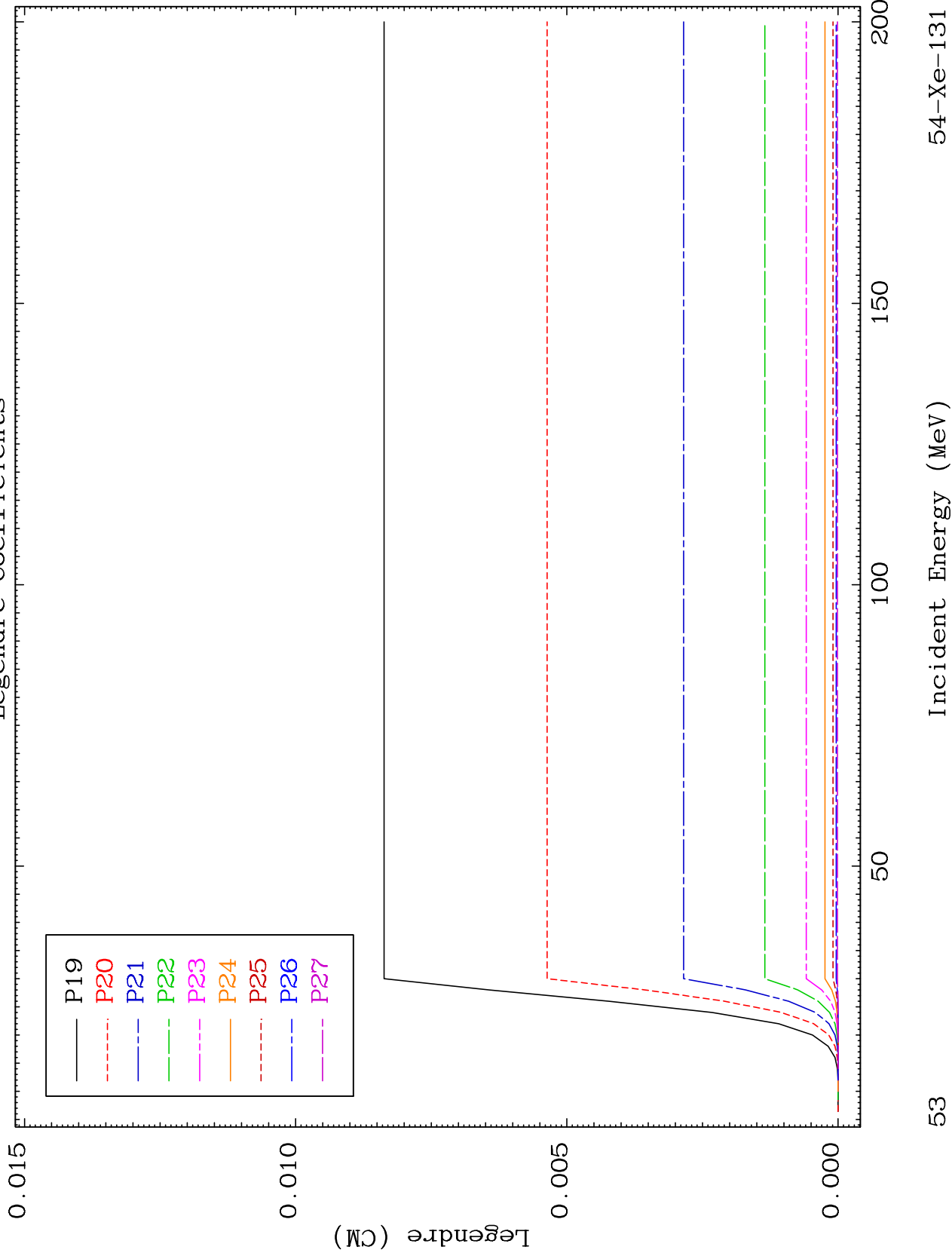
54-Xe-131



52

Incident Energy (MeV)

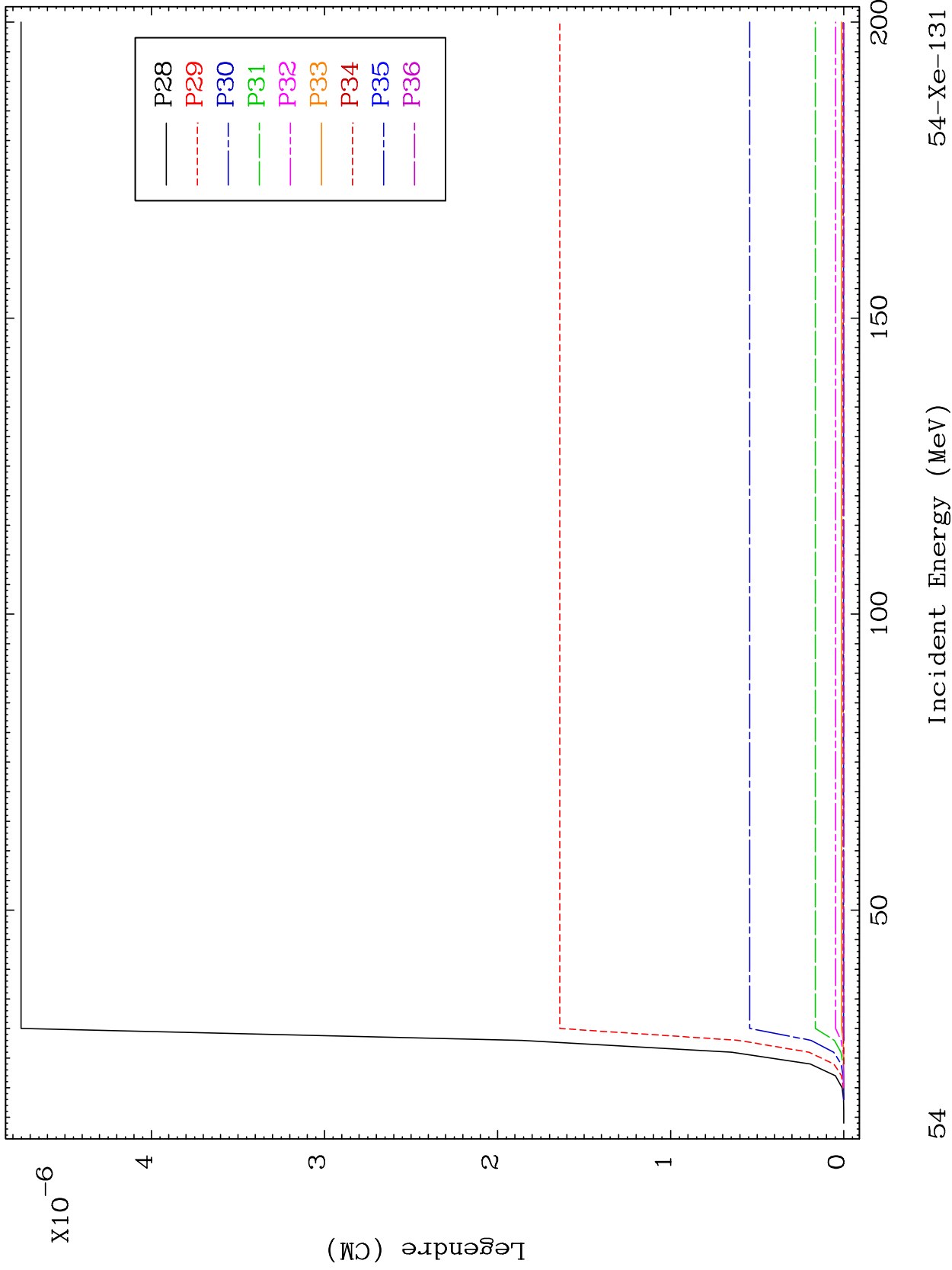
54-Xe-131



MAT 5446

699.9 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



54

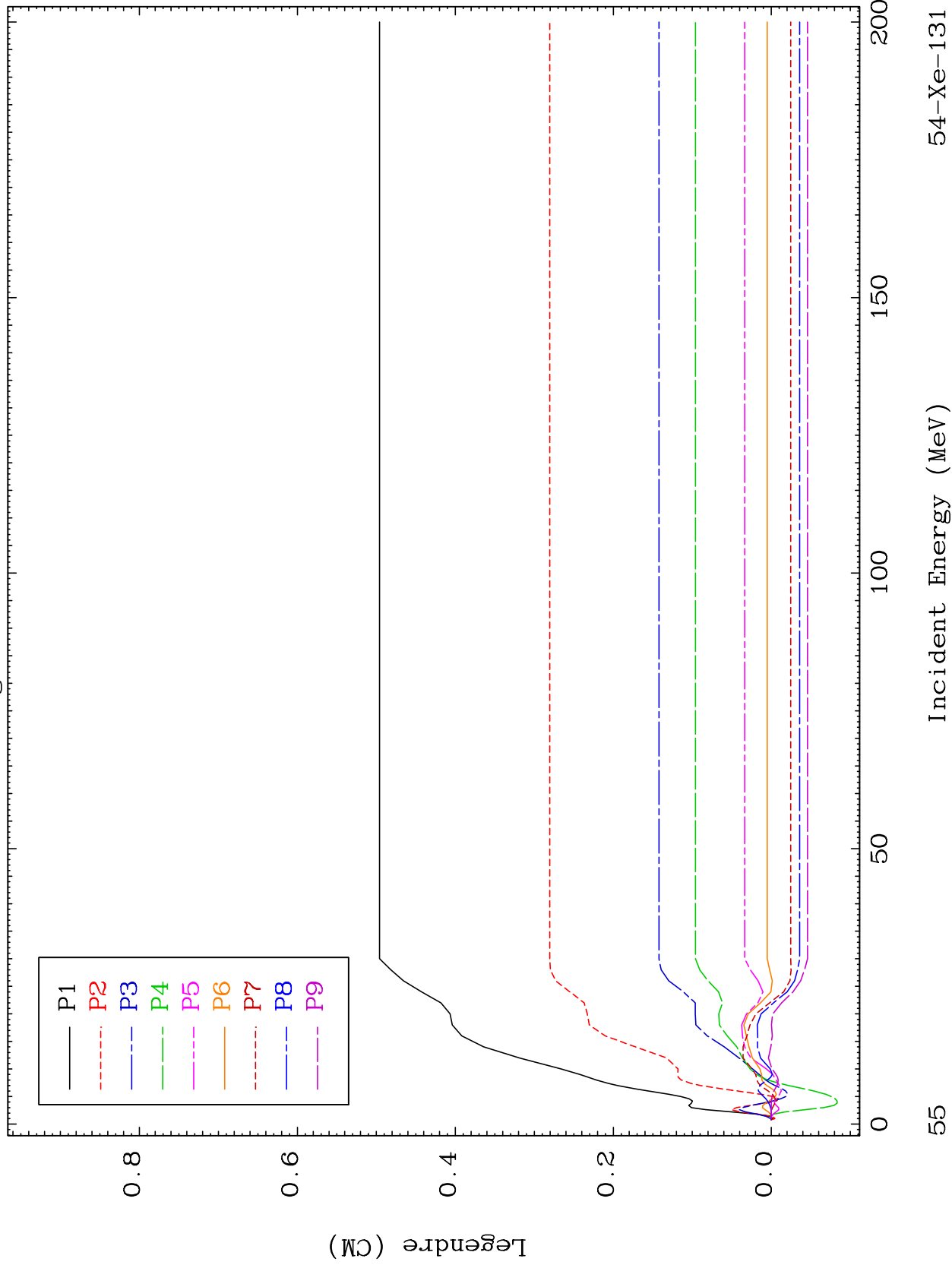
Incident Energy (MeV)

54-Xe-131

MAT 5446

722.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

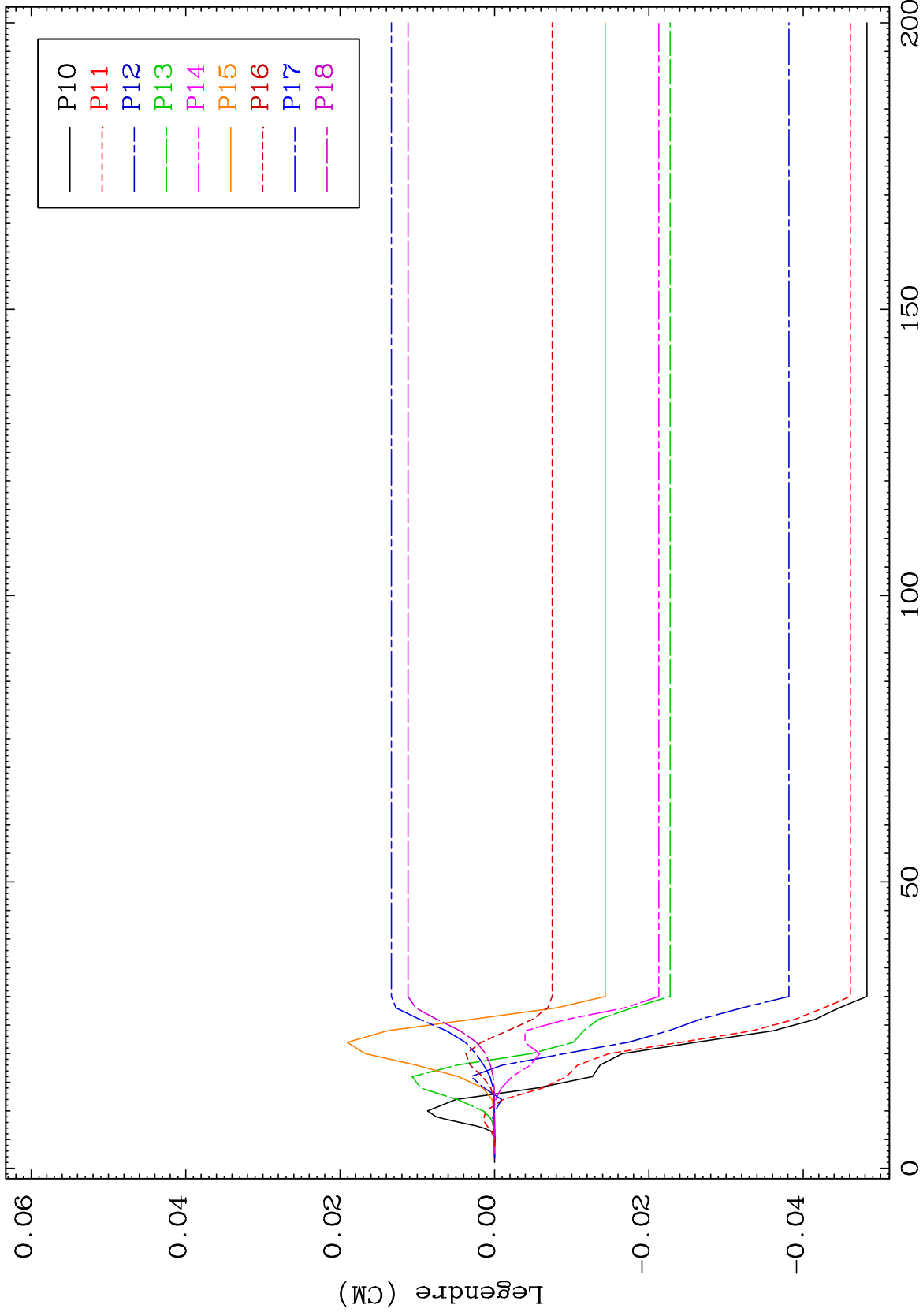
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MAT 5446

722.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



56

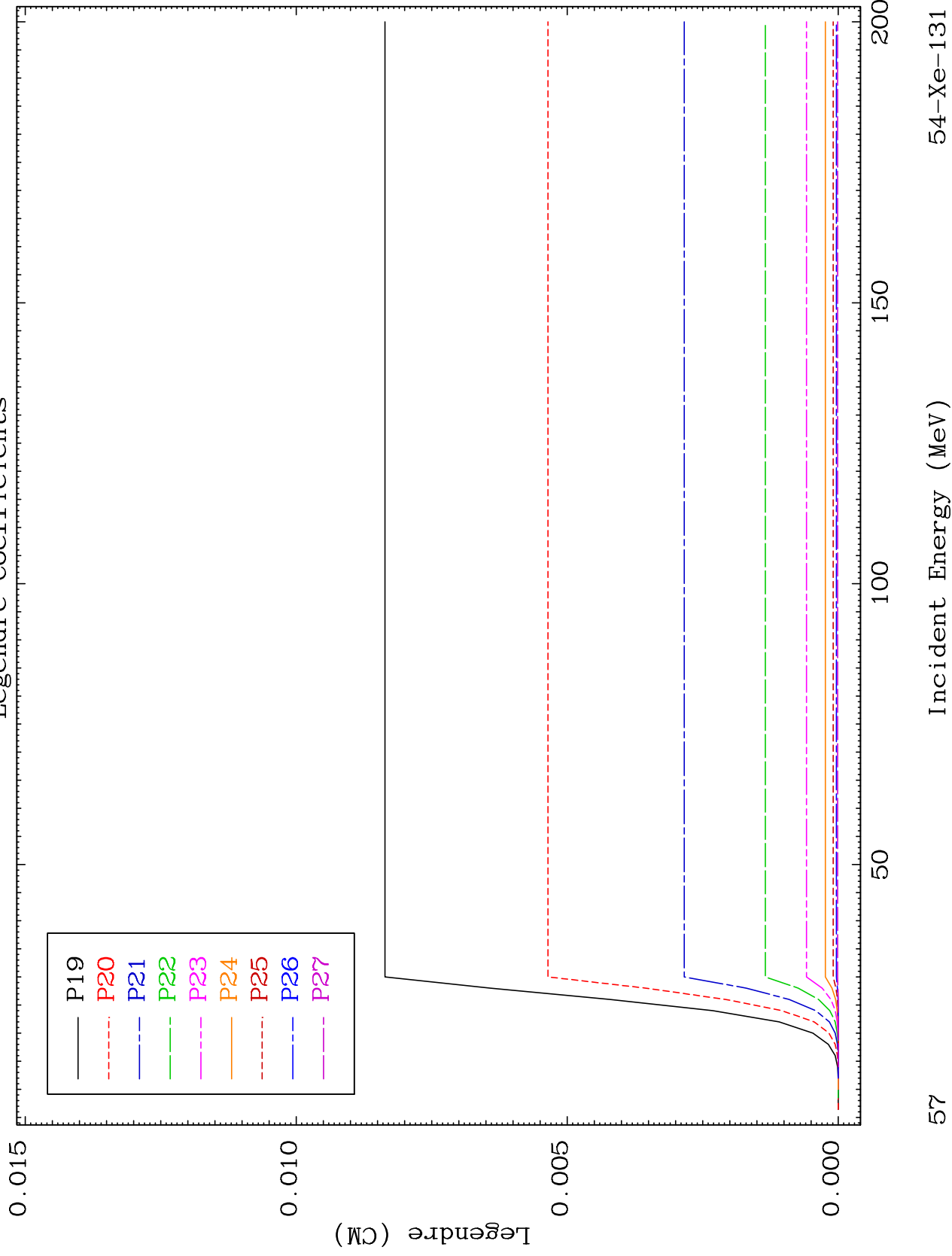
Incident Energy (MeV)

54-Xe-131

MAT 5446

722.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



57

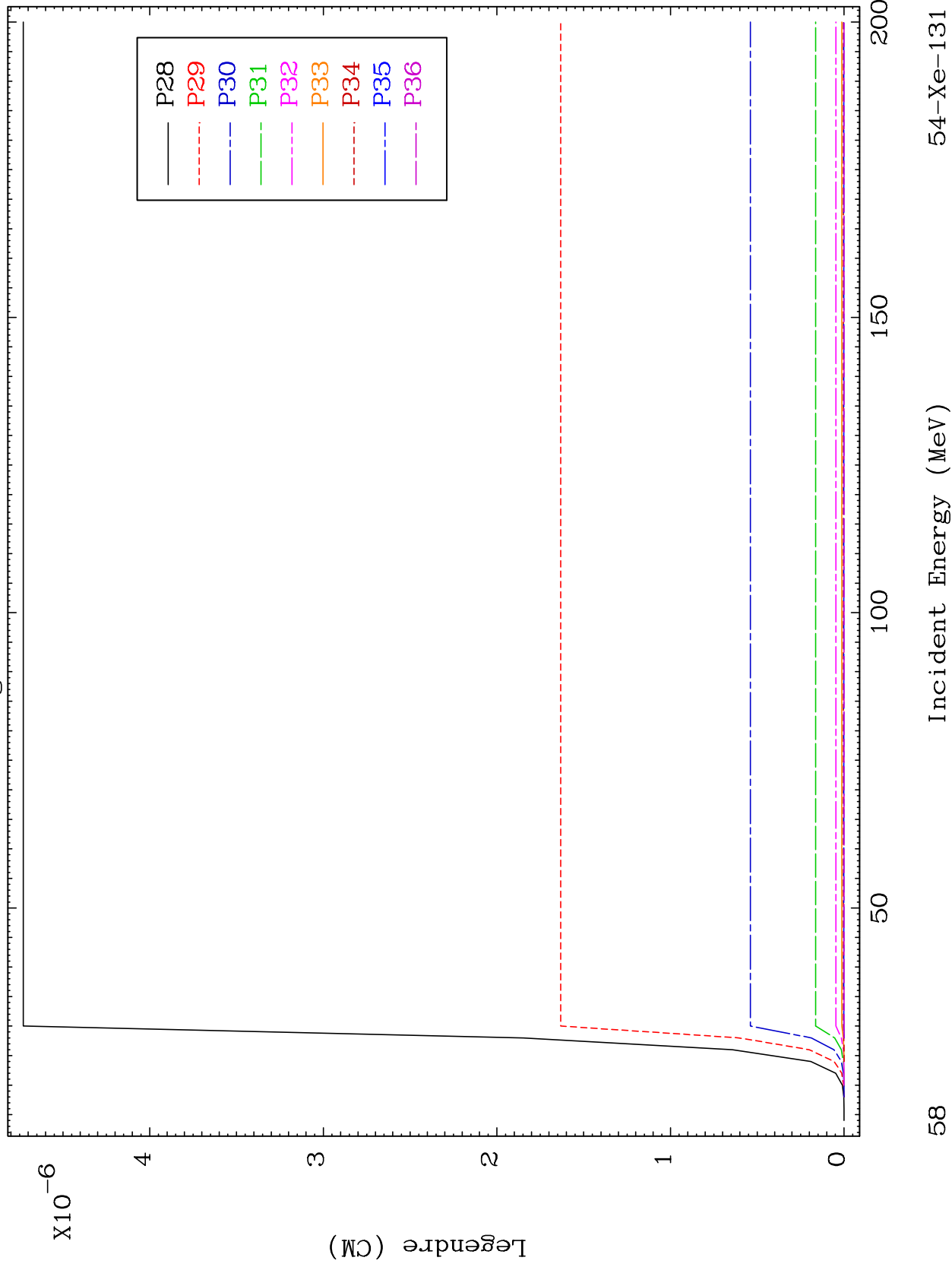
Incident Energy (MeV)

54-Xe-131

MAT 5446

722.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



58

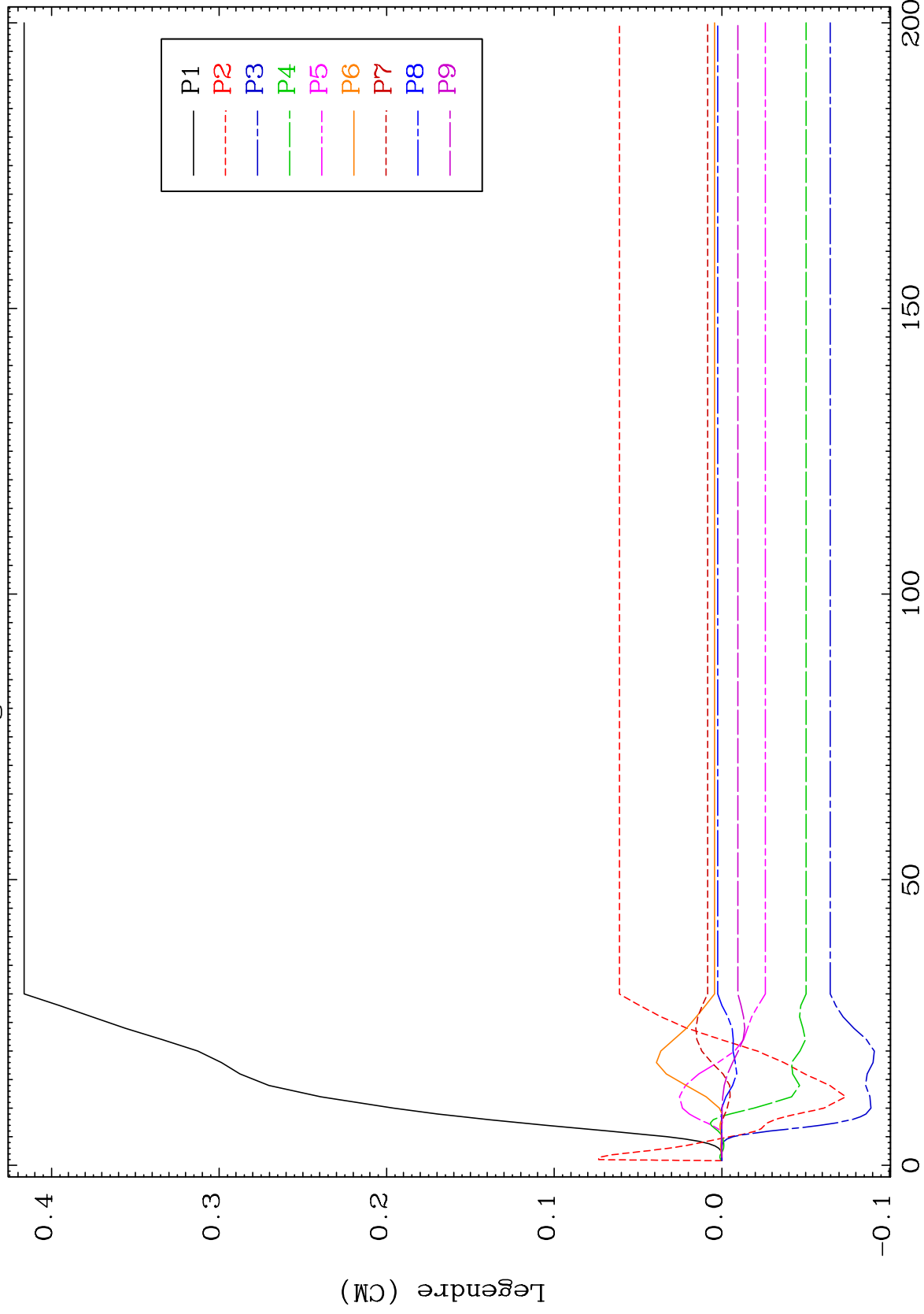
Incident Energy (MeV)

54-Xe-131

MAT 5446

805.9 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



59

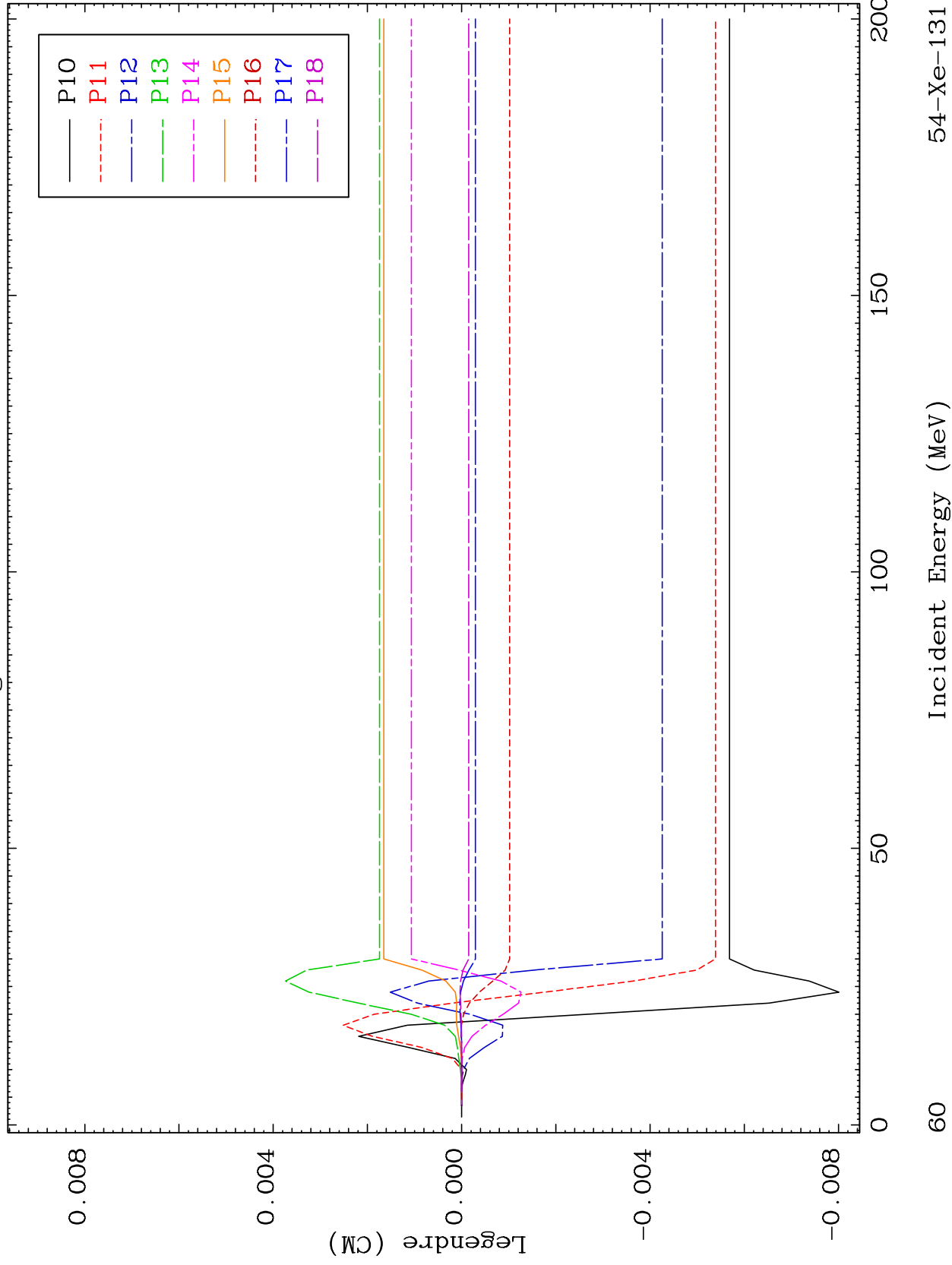
Incident Energy (MeV)

54-Xe-131

MAT 5446

805.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

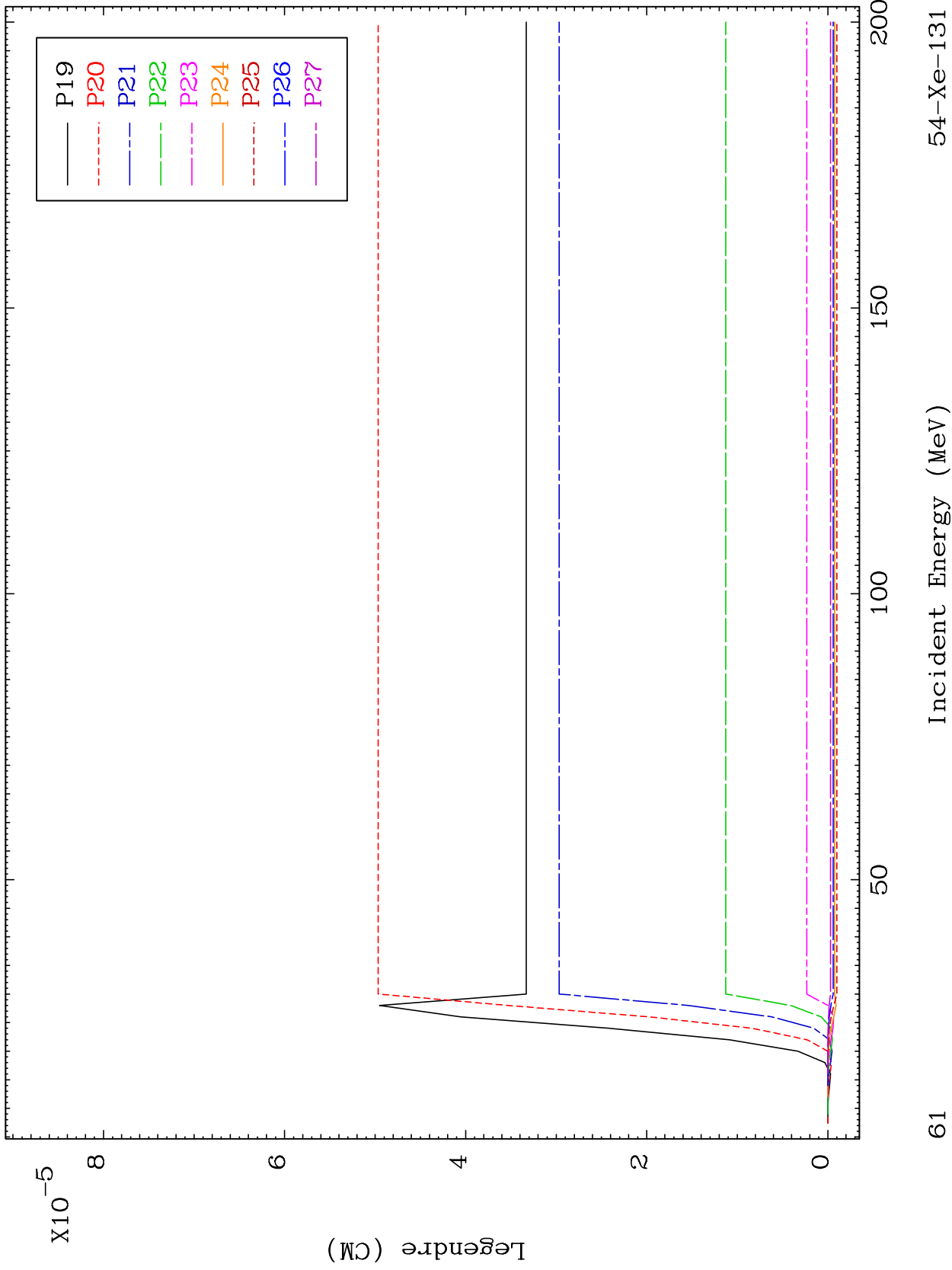
Incident Energy (MeV)

60

MAT 5446

805.9 keV (n,n') Level  
Legendre Coefficients

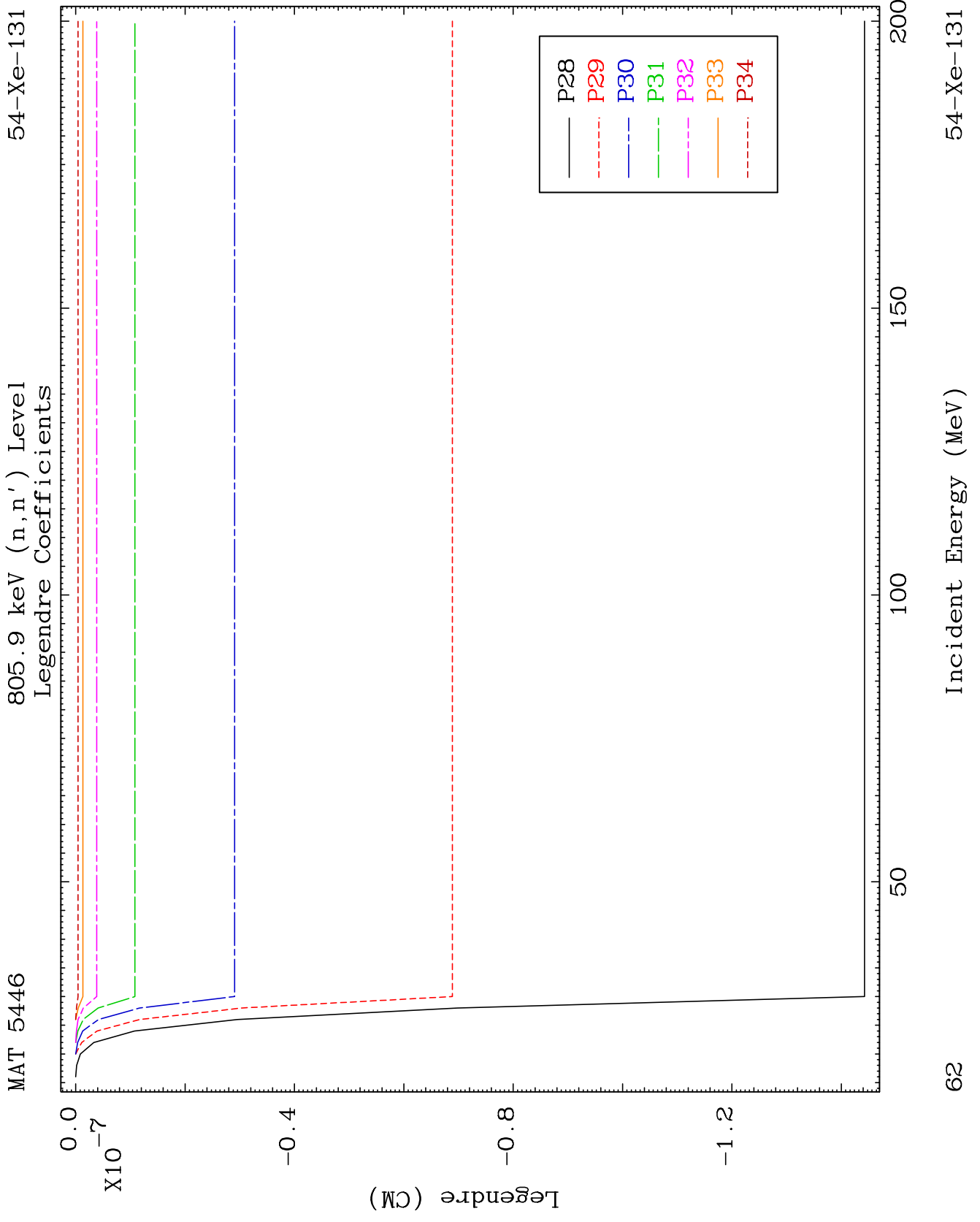
54-Xe-131

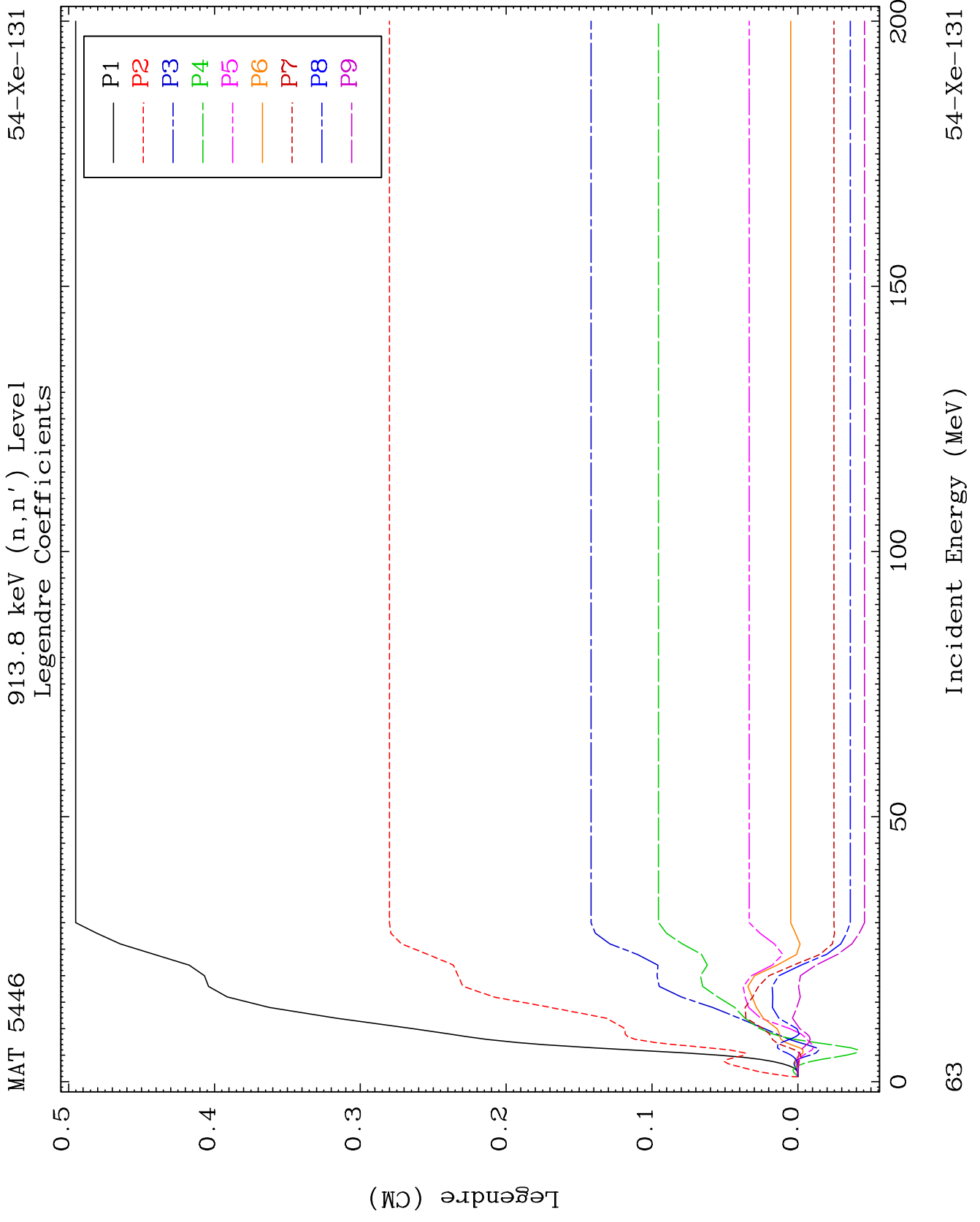


61

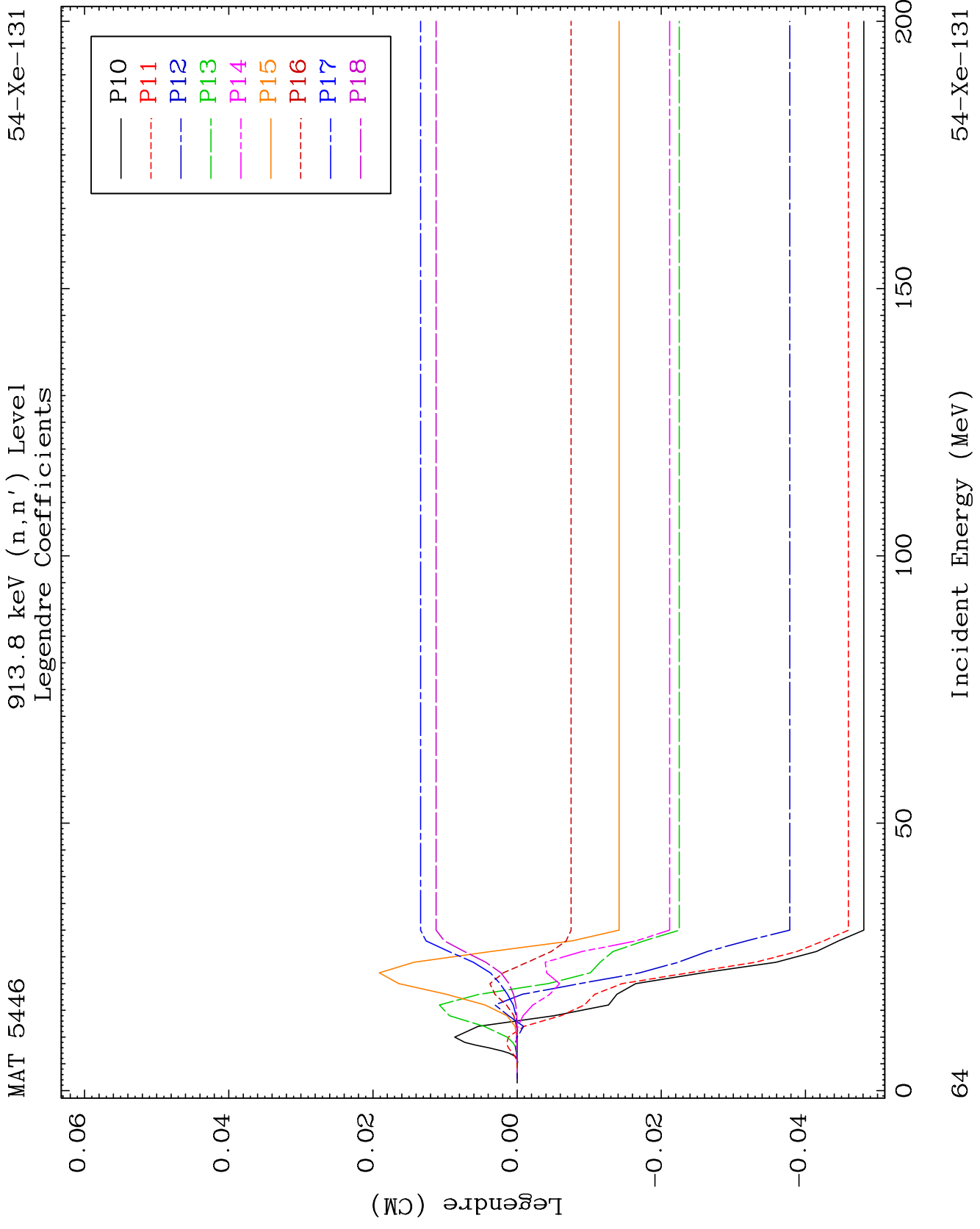
Incident Energy (MeV)

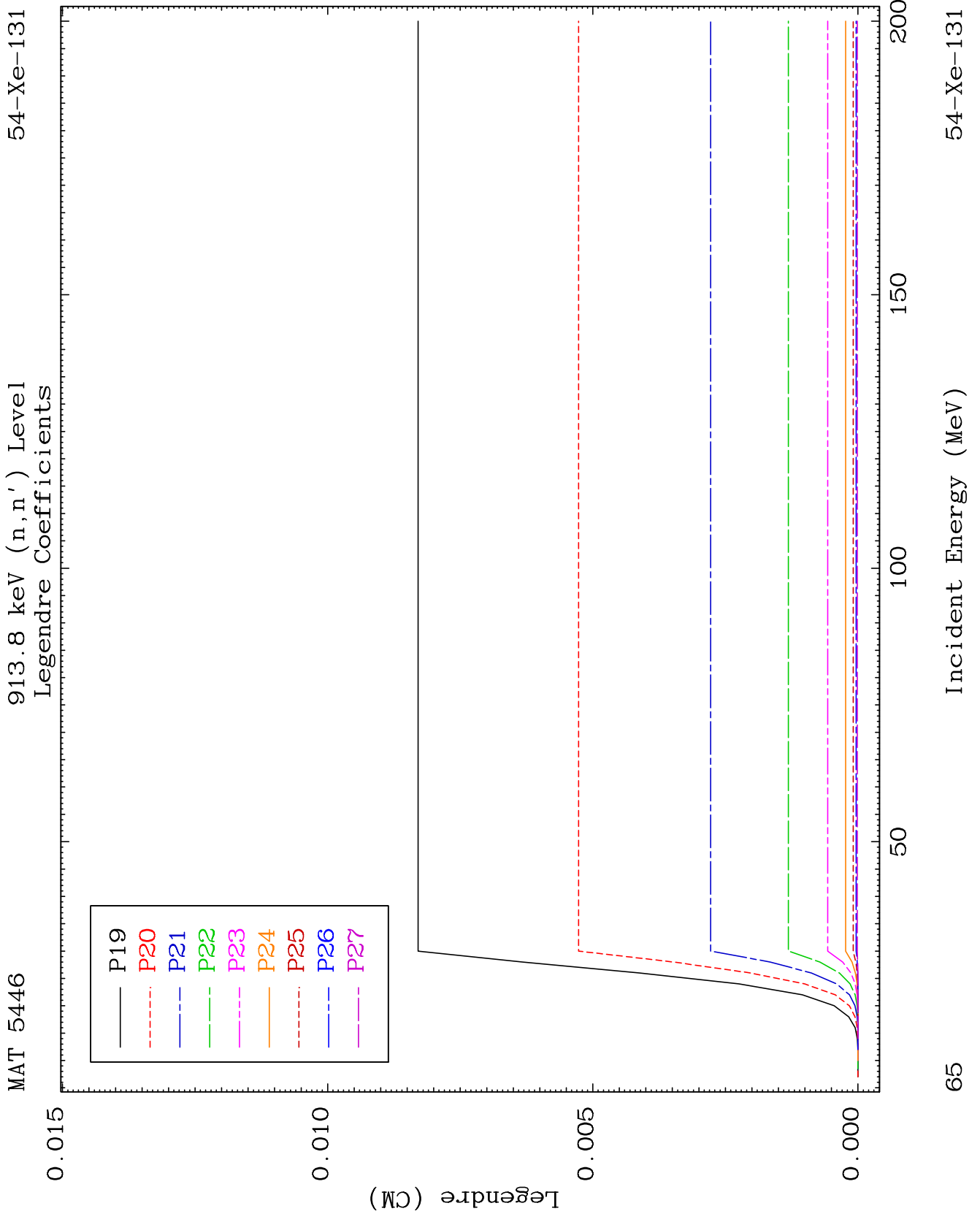
54-Xe-131







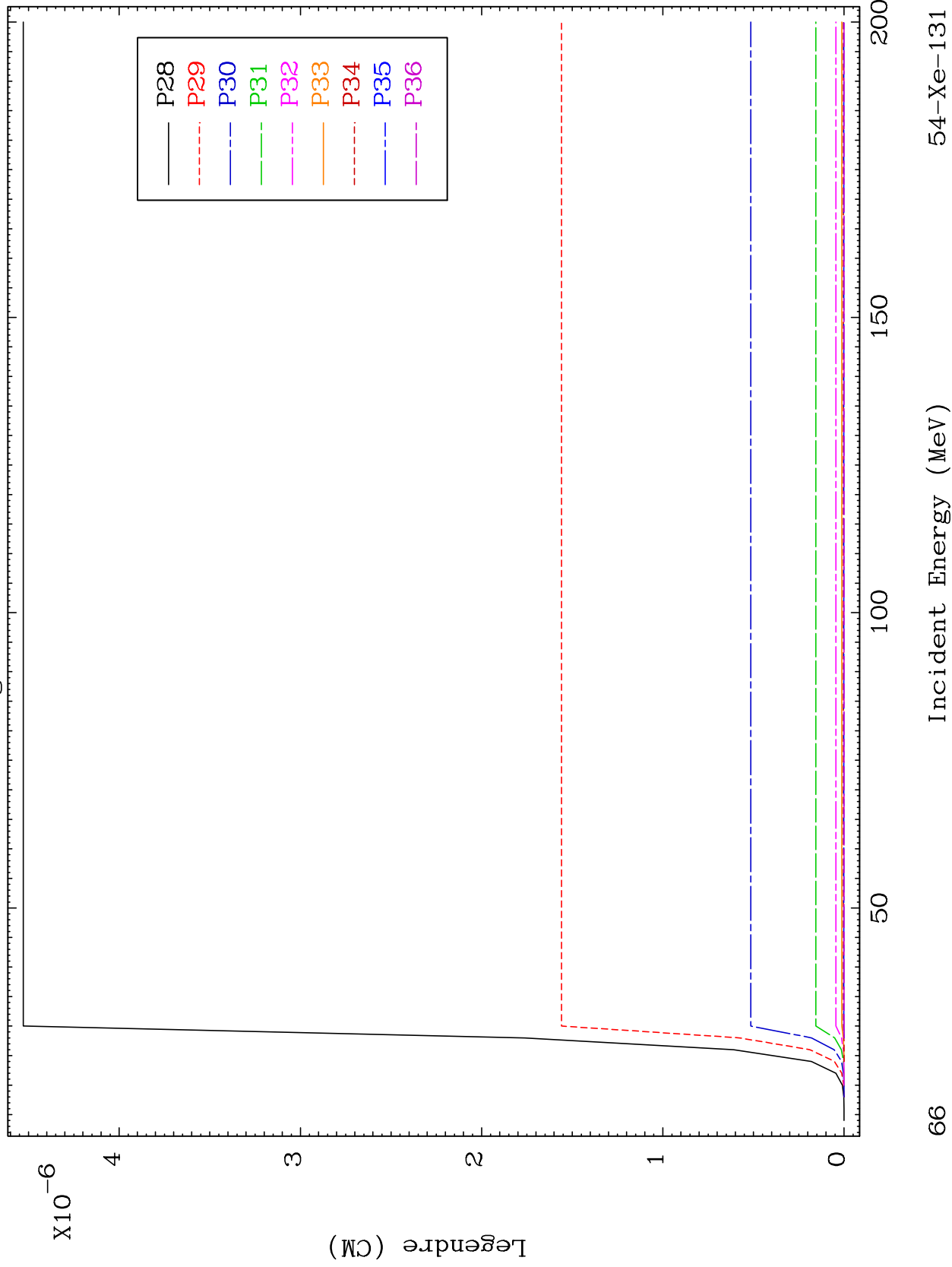




MAT 5446

913.8 keV (n, n') Level  
Legendre Coefficients

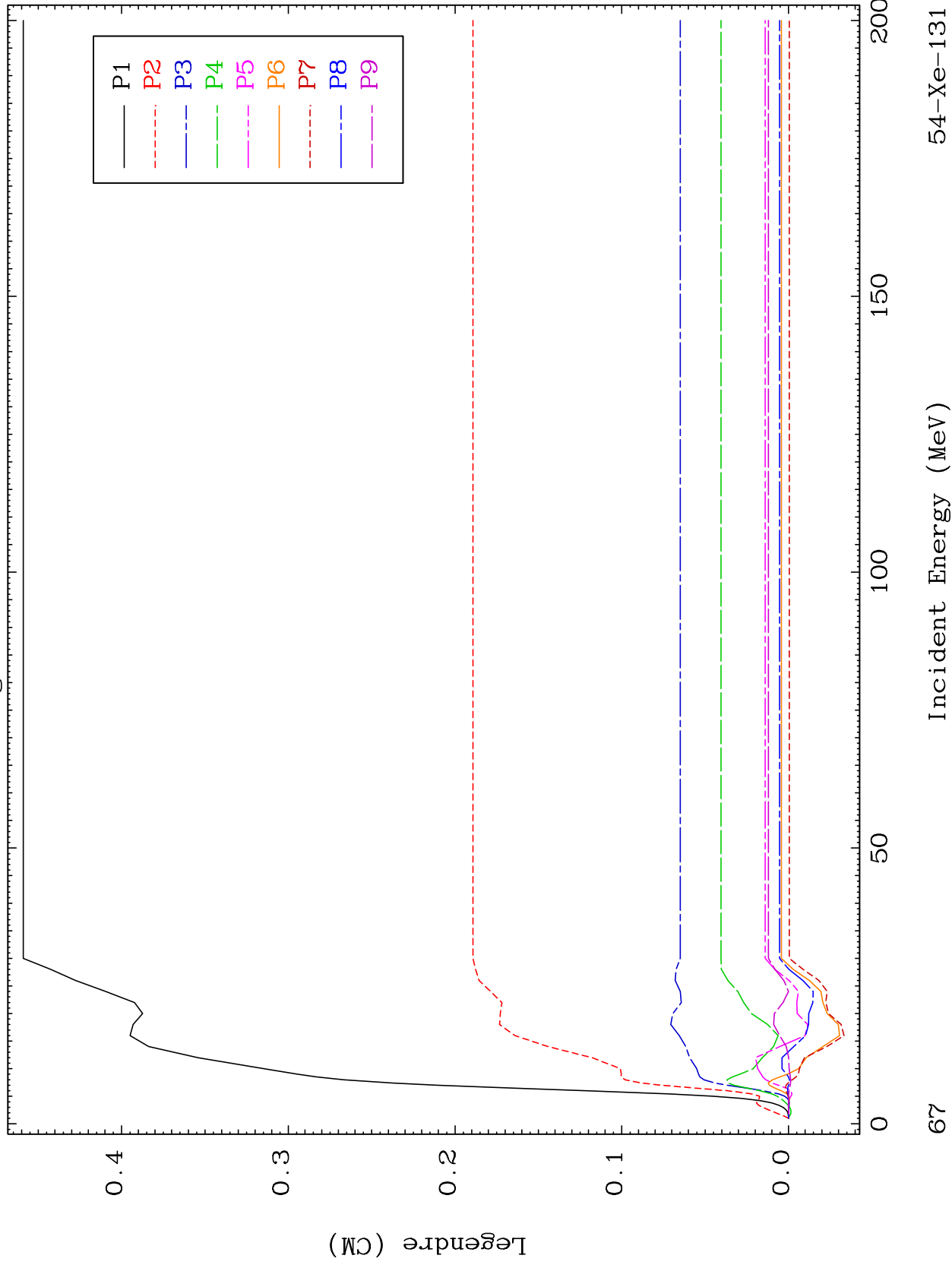
54-Xe-131



MAT 5446

952.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

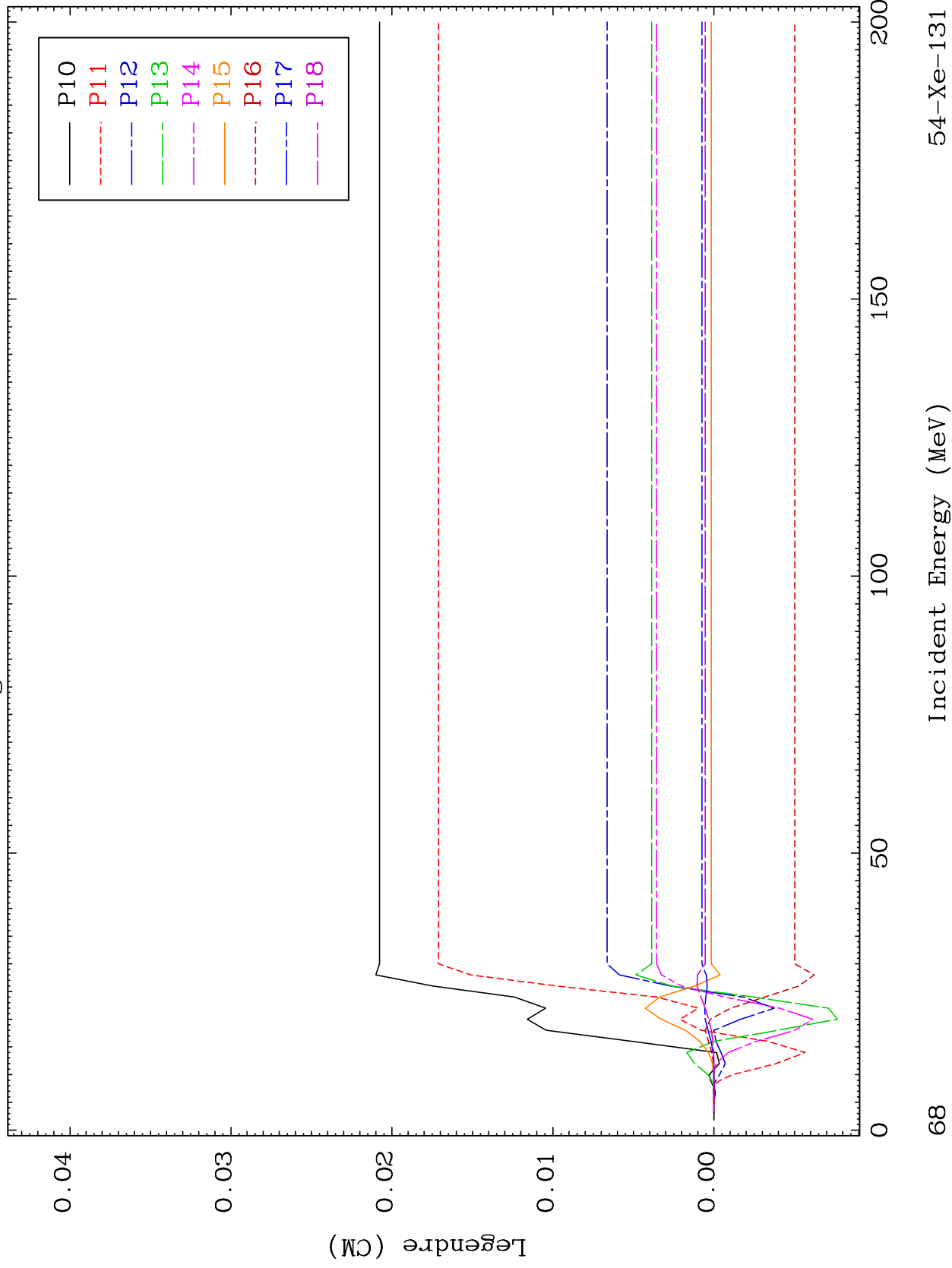
Incident Energy (MeV)

67

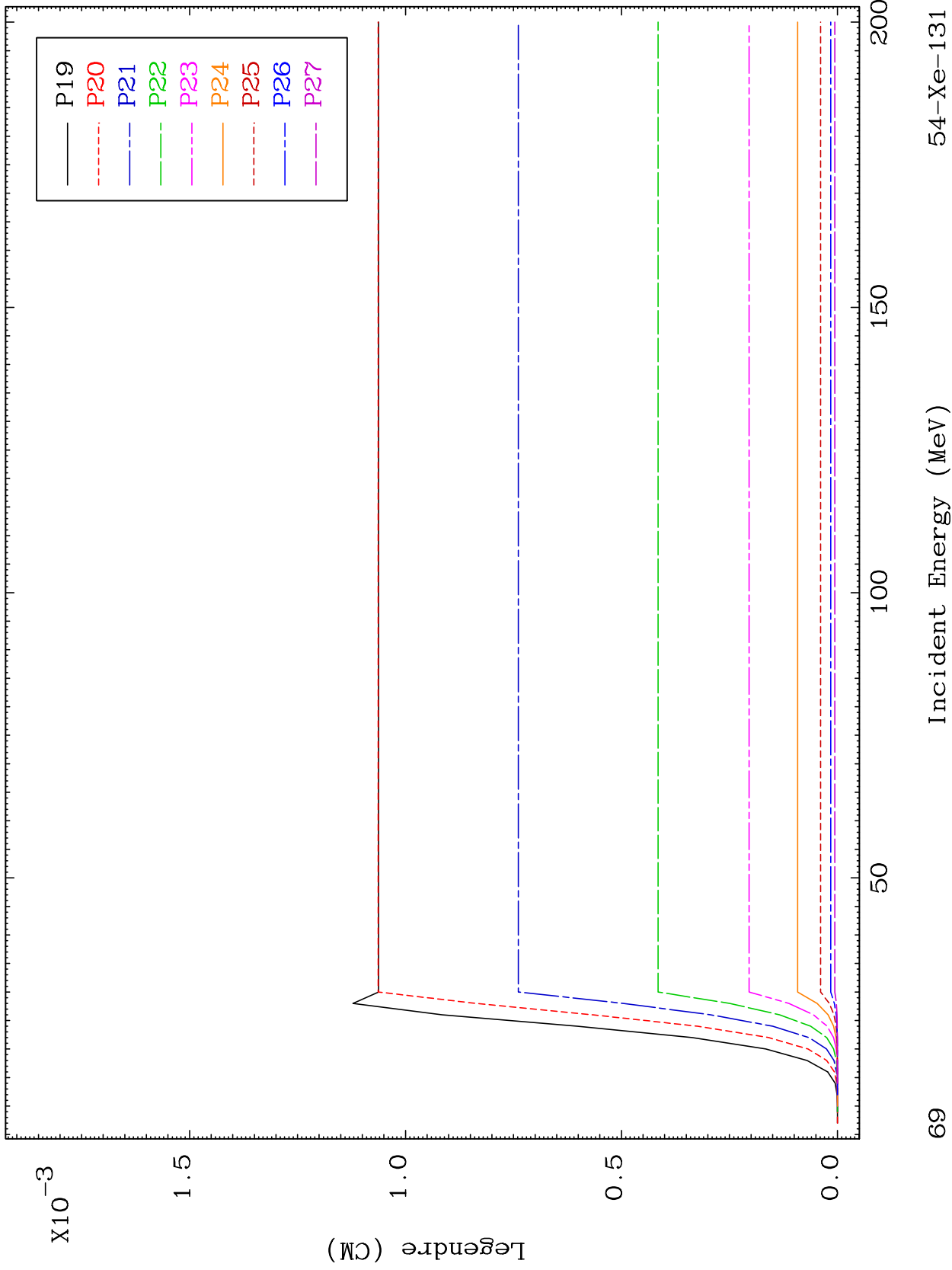
MAT 5446

952.3 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



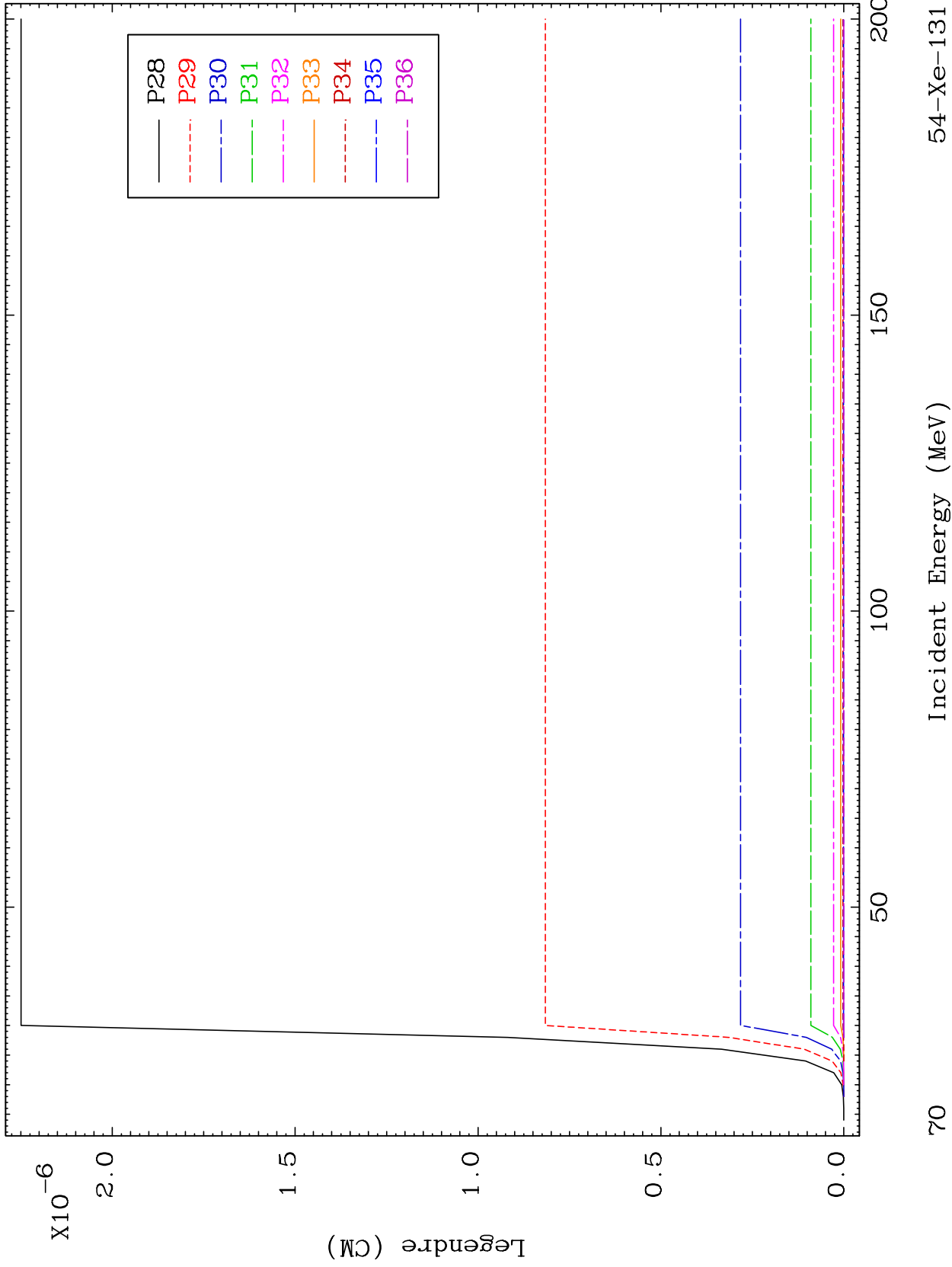
68



MAT 5446

952.3 keV (n,n') Level  
Legendre Coefficients

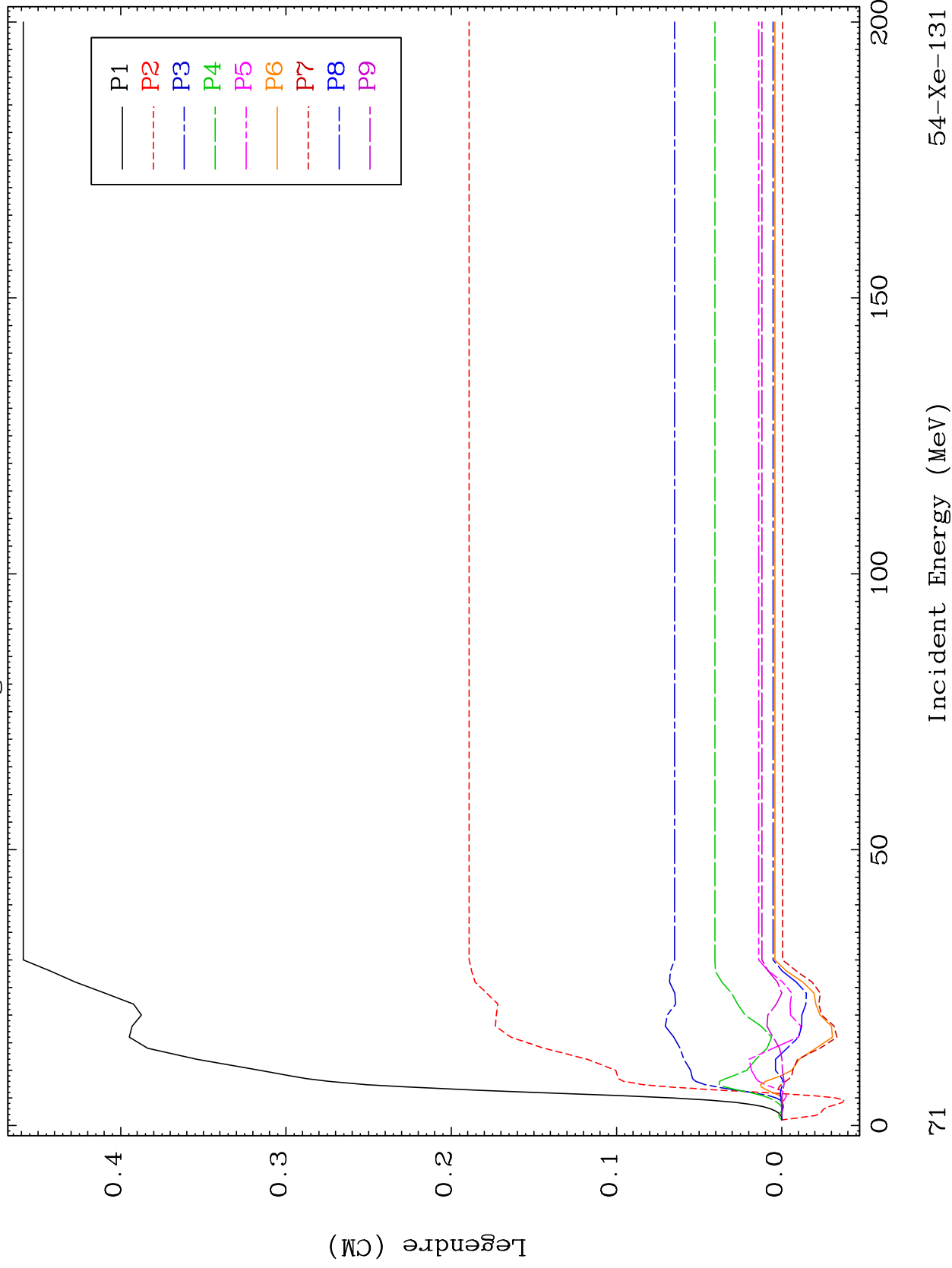
54-Xe-131



MAT 5446

971.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

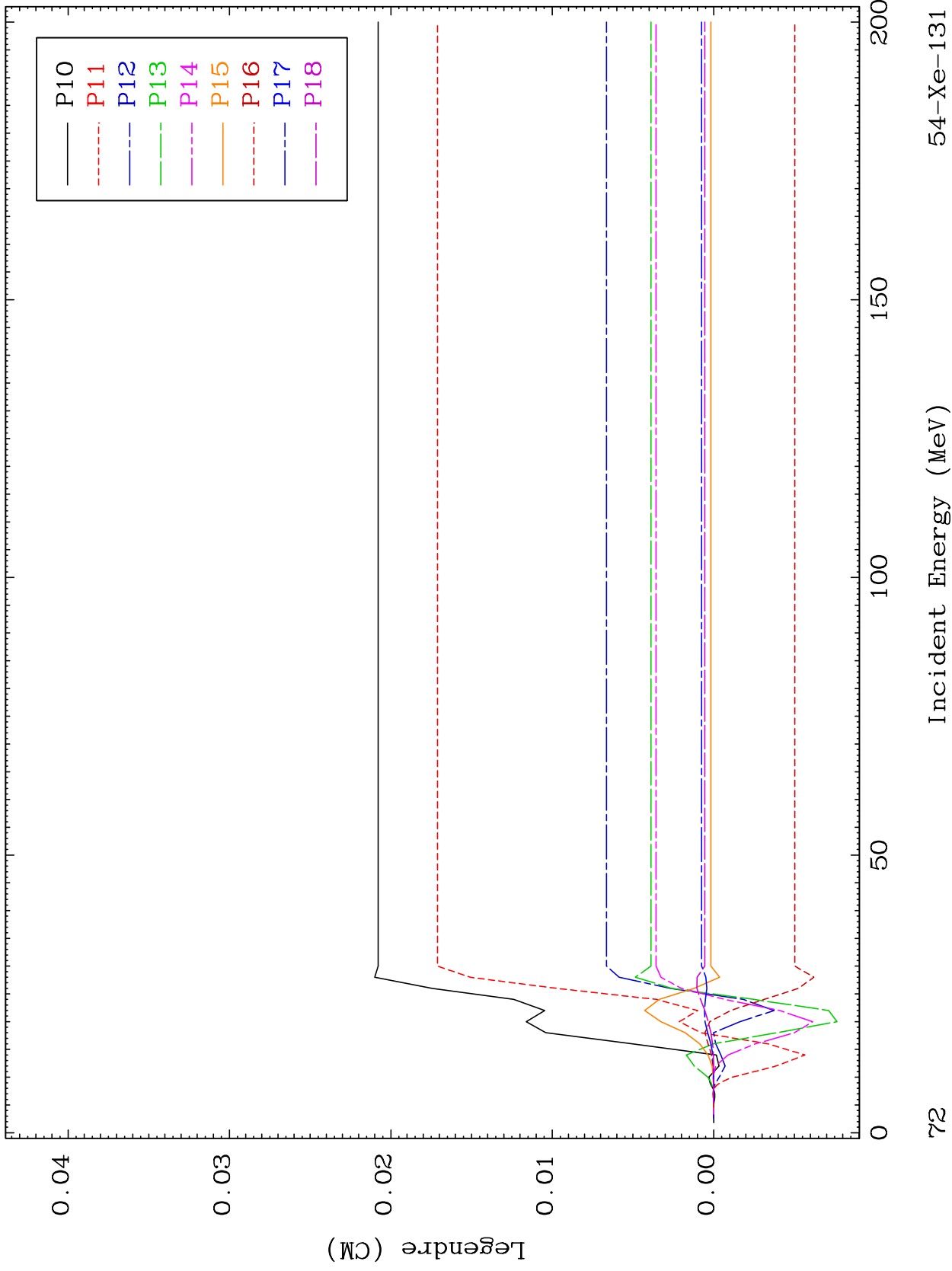
71



MAT 5446

971.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



72

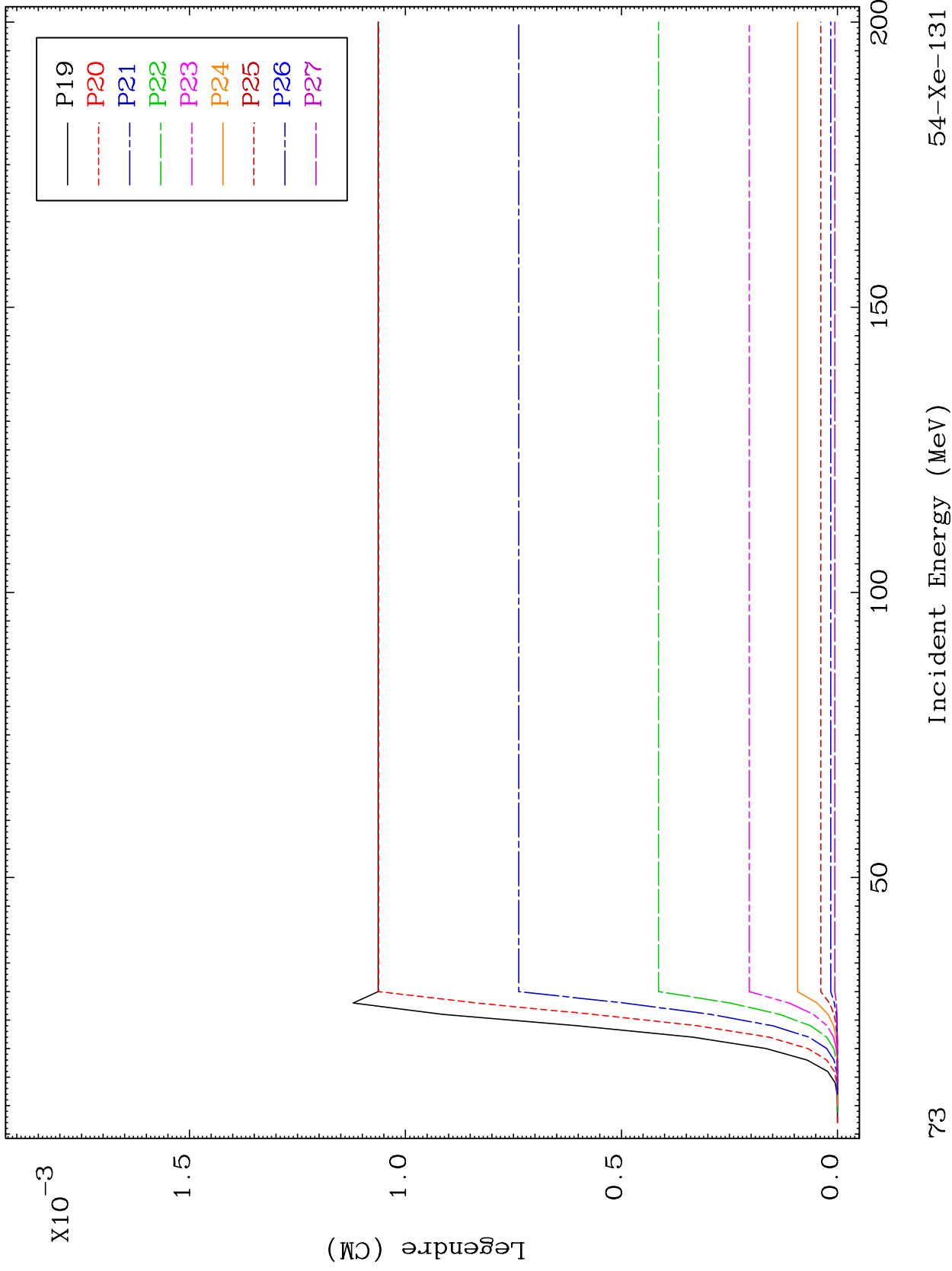
Incident Energy (MeV)

54-Xe-131

MAT 5446

971.2 keV (n,n') Level  
Legendre Coefficients

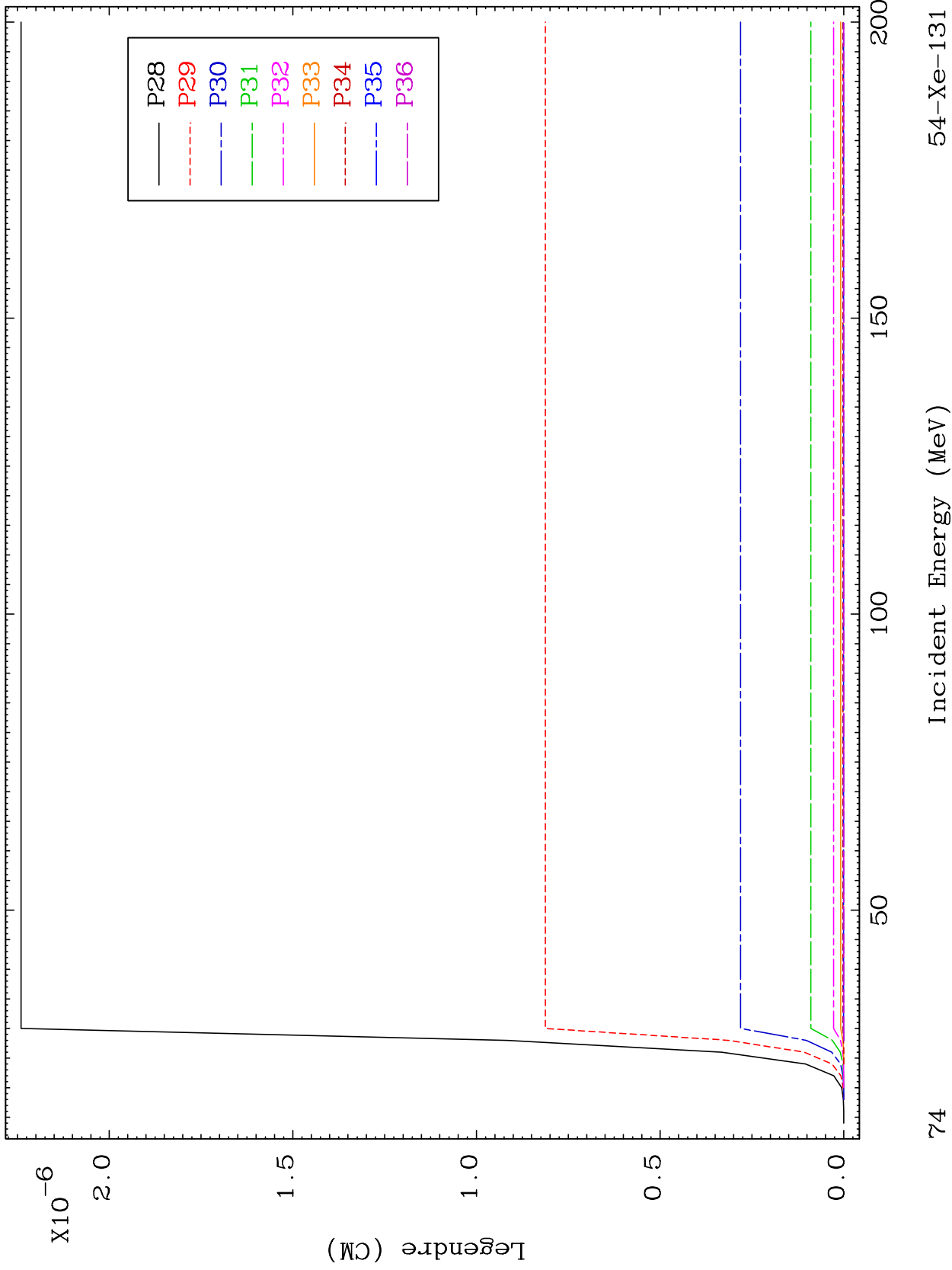
54-Xe-131

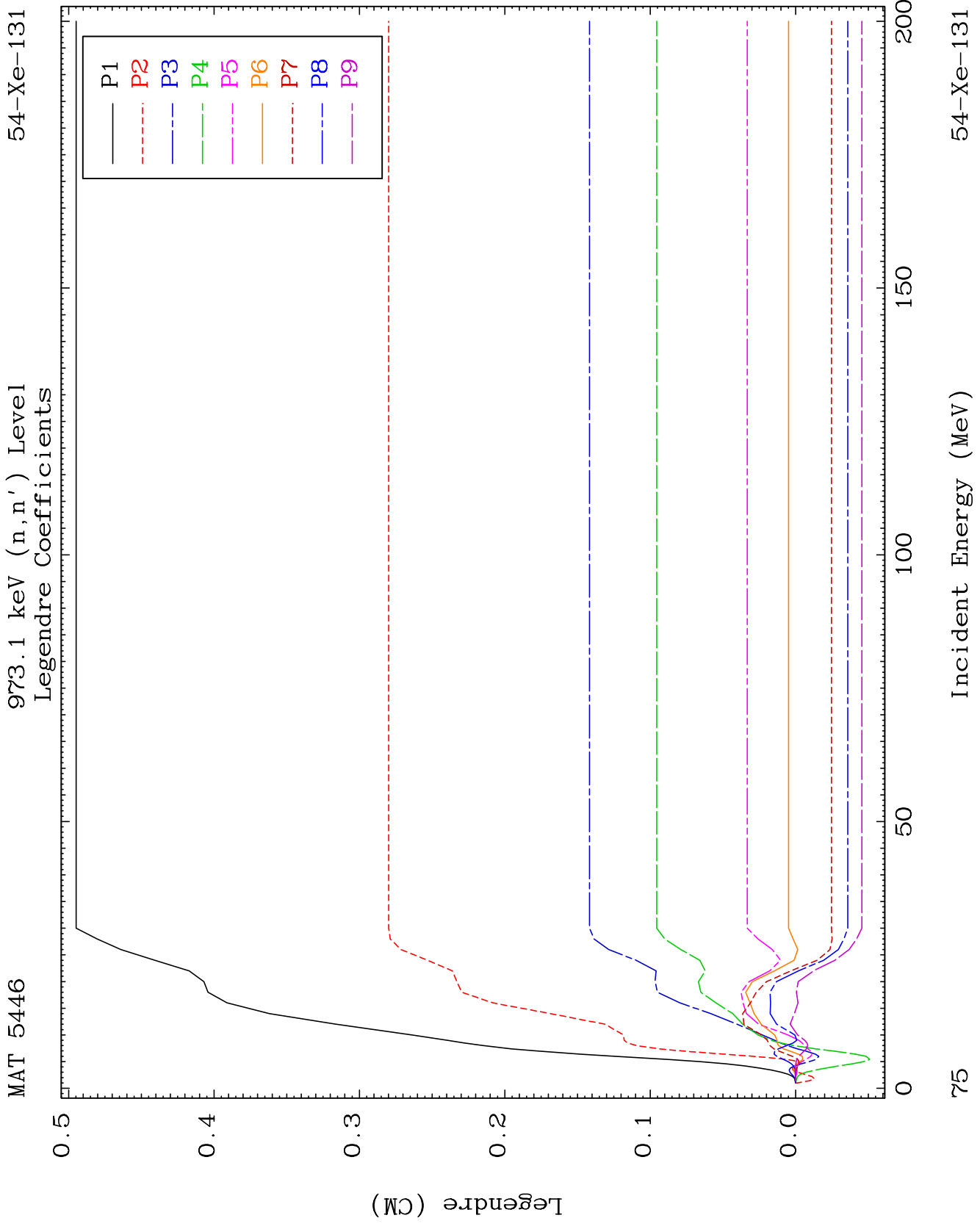


MAT 5446

971.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-131

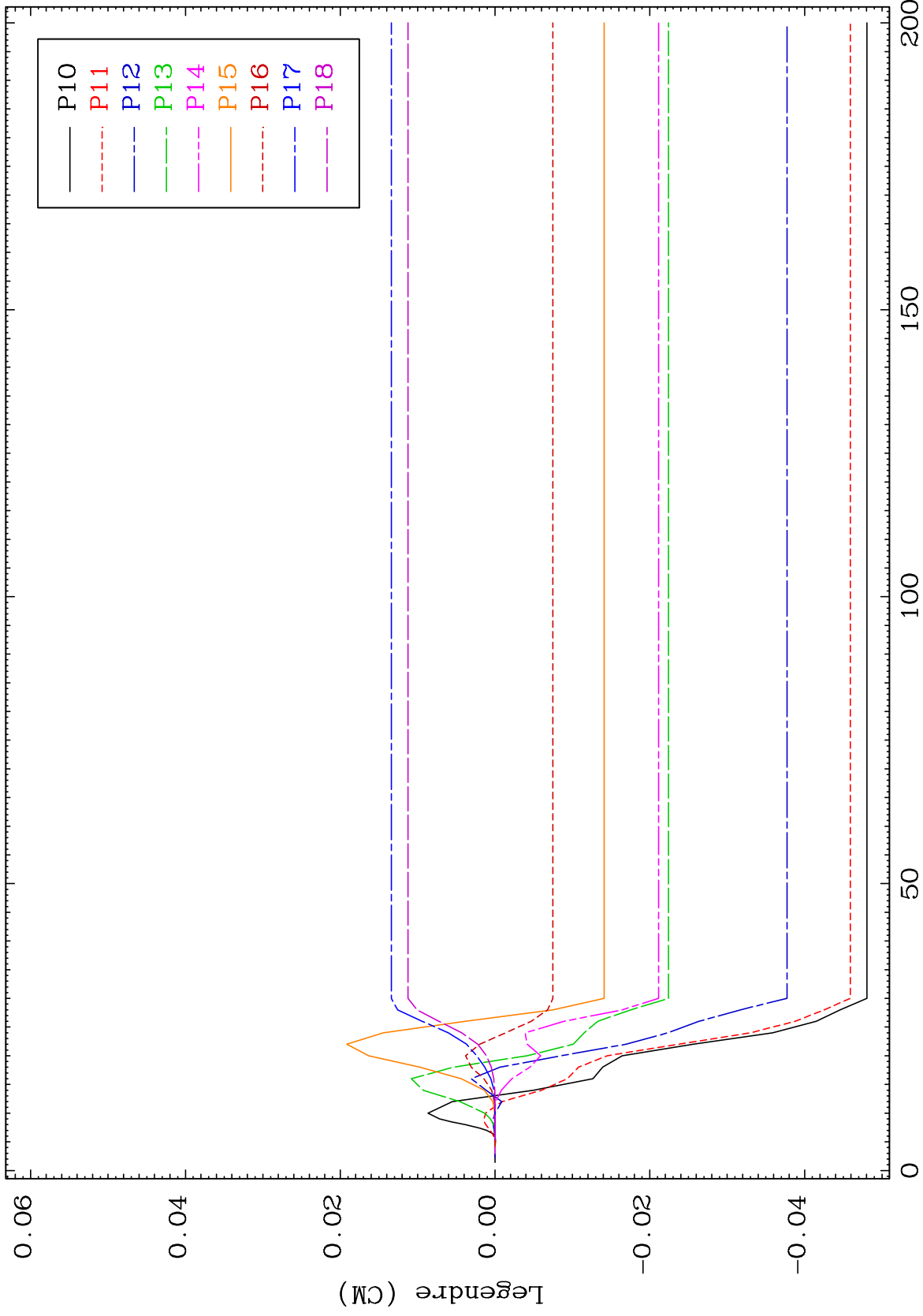




MAT 5446

973.1 keV (n,n') Level  
Legendre Coefficients

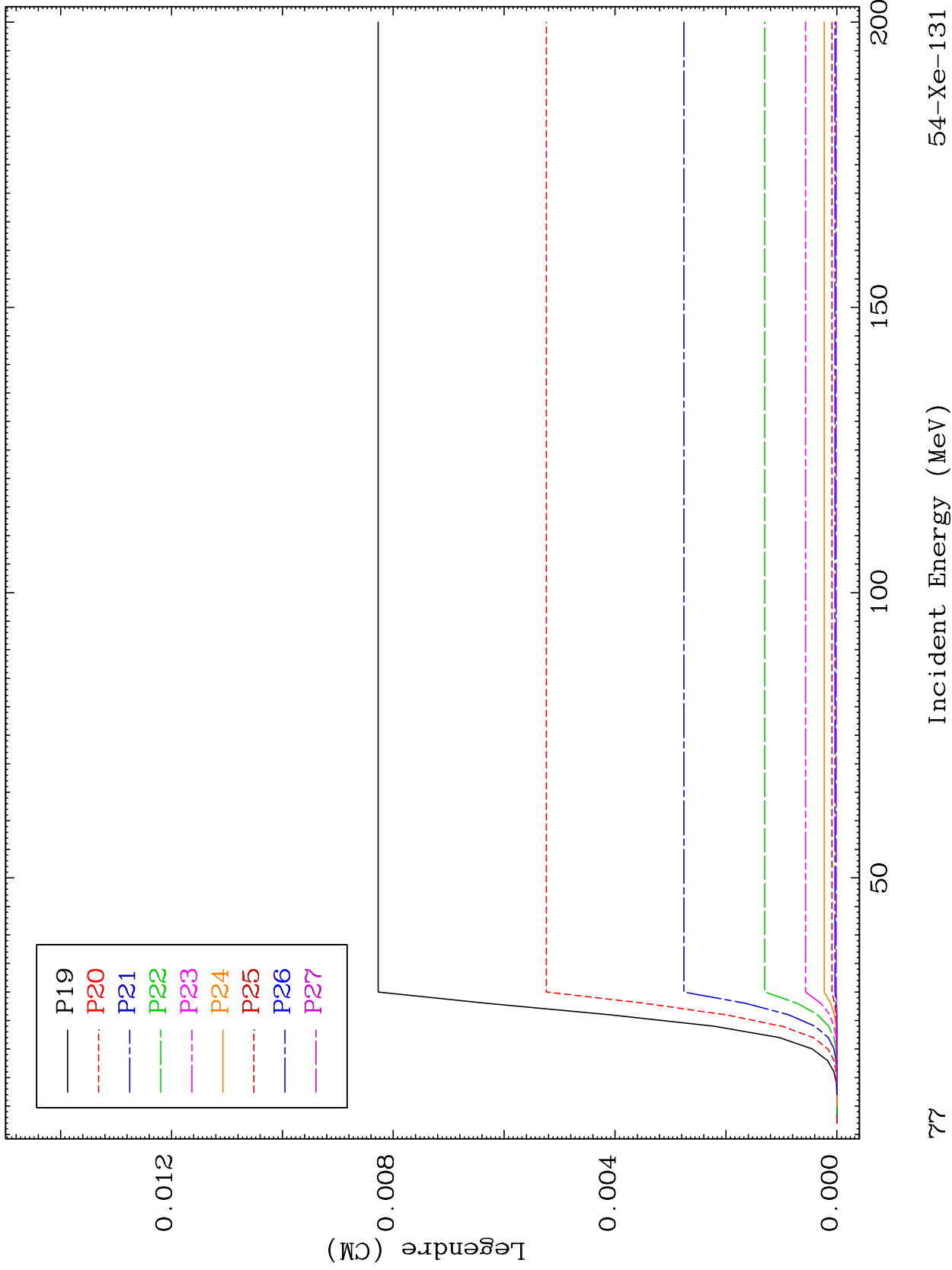
54-Xe-131



76

Incident Energy (MeV)

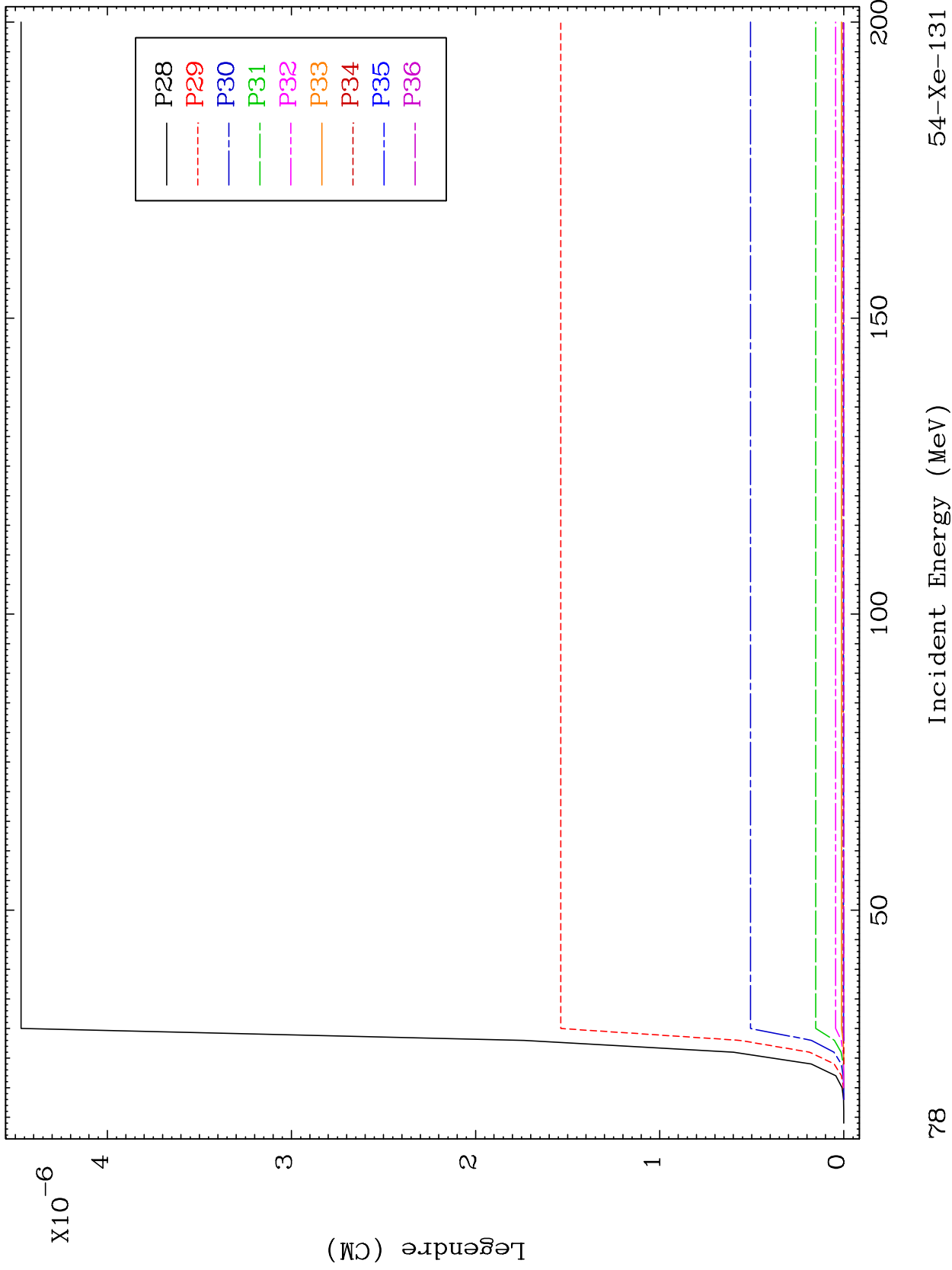
54-Xe-131



MAT 5446

973.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



78

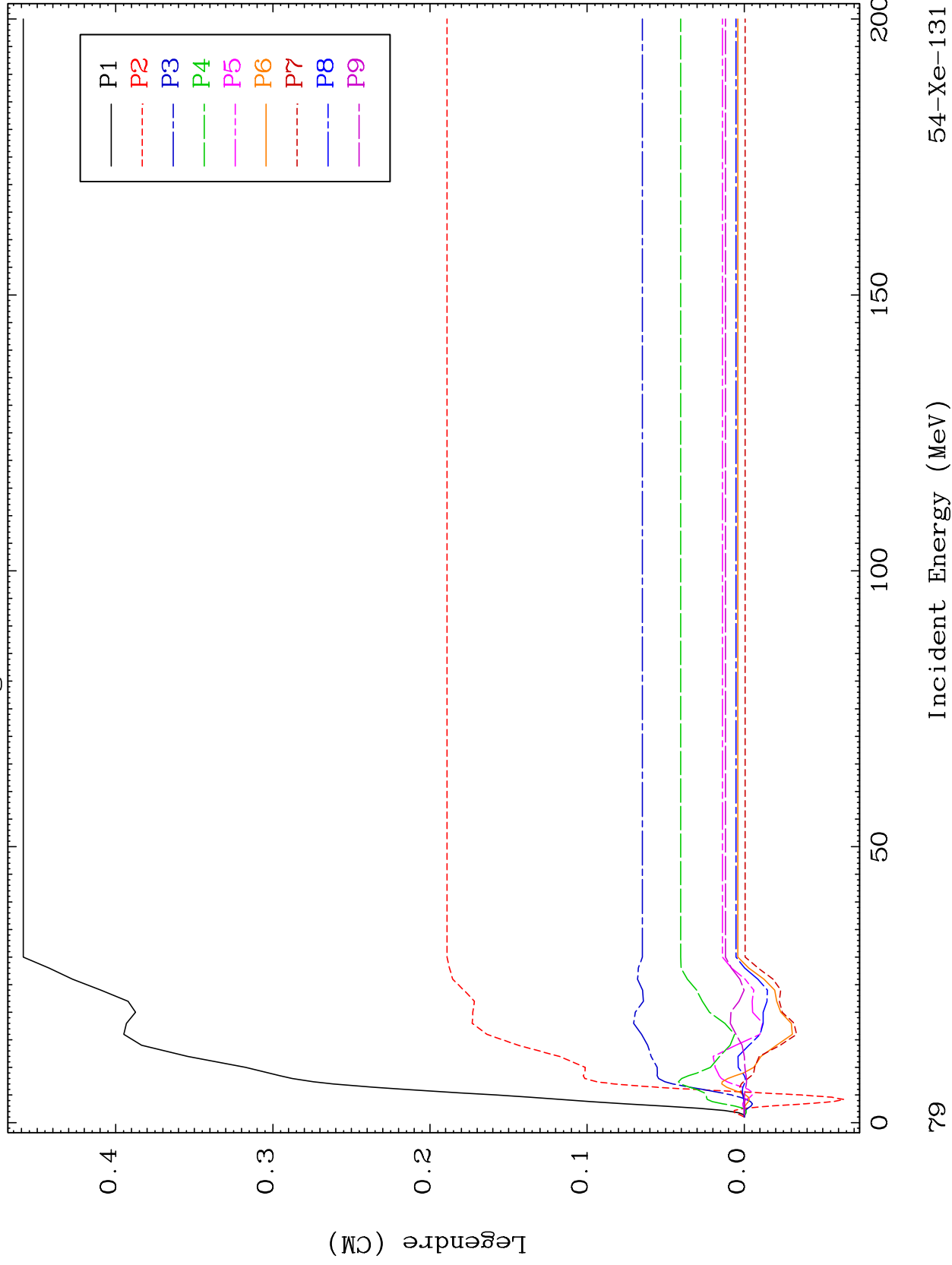
Incident Energy (MeV)

54-Xe-131

MAT 5446

994.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

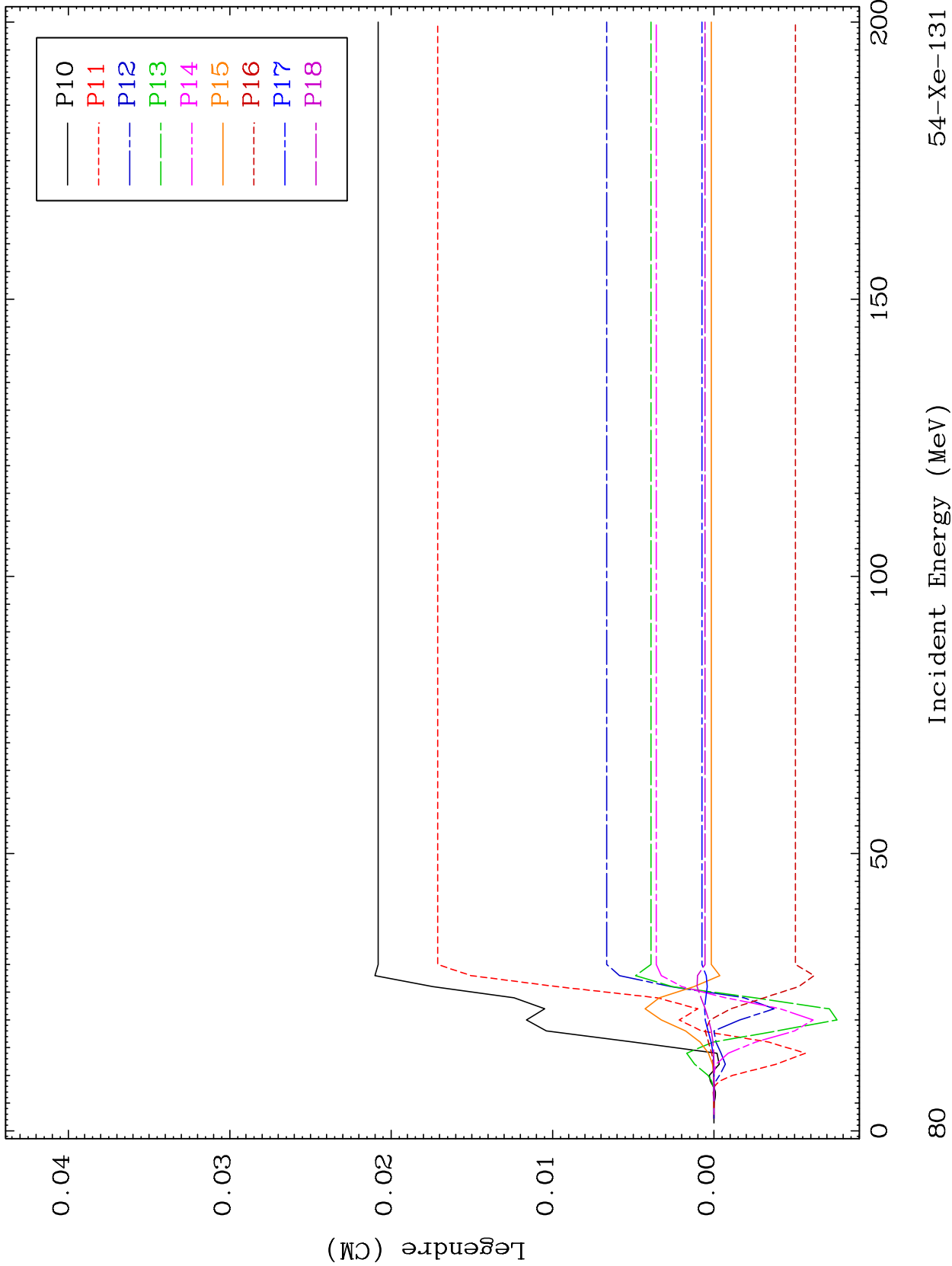
79



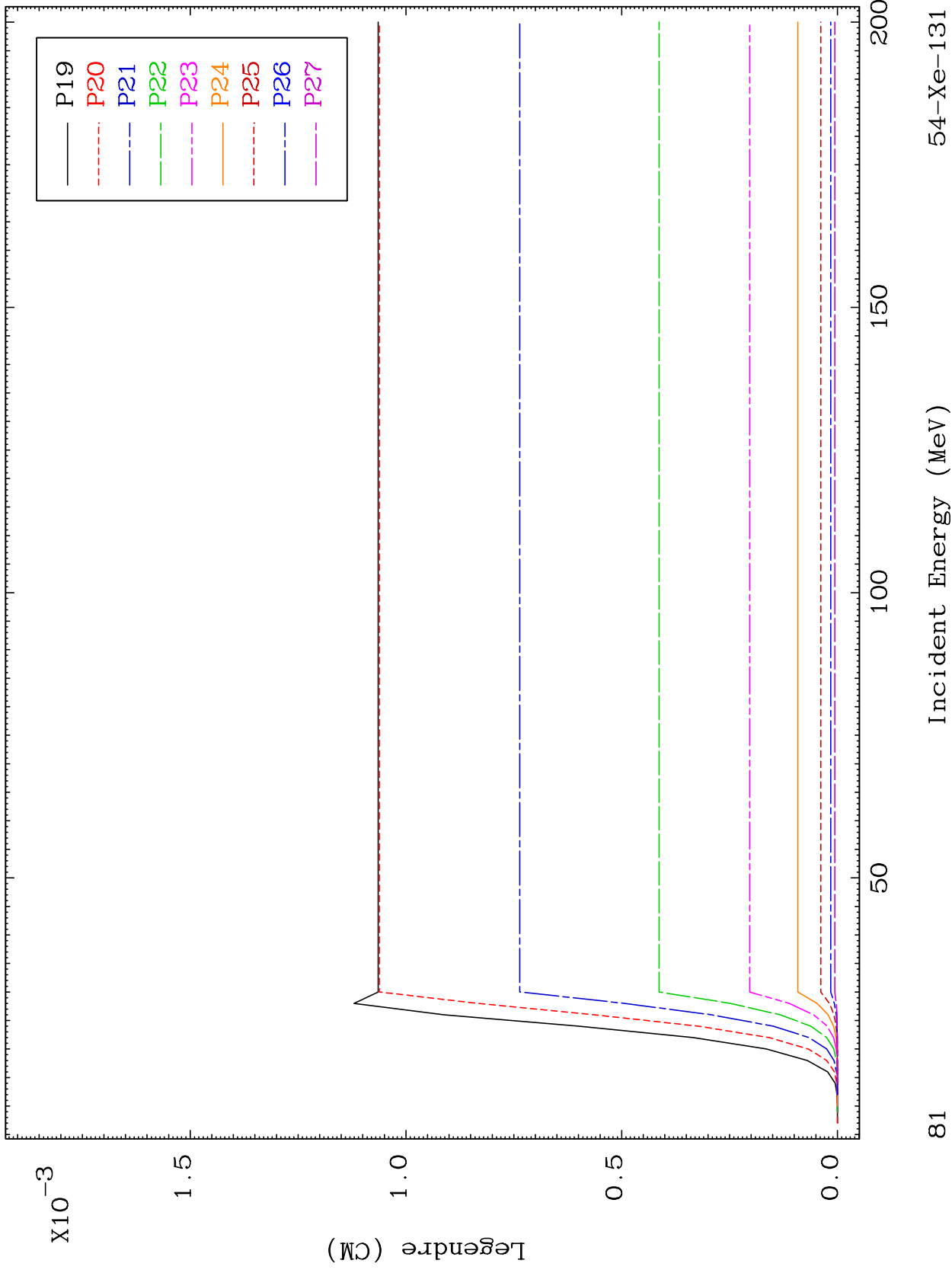
MAT 5446

994.4 keV (n, n') Level  
Legendre Coefficients

54-Xe-131



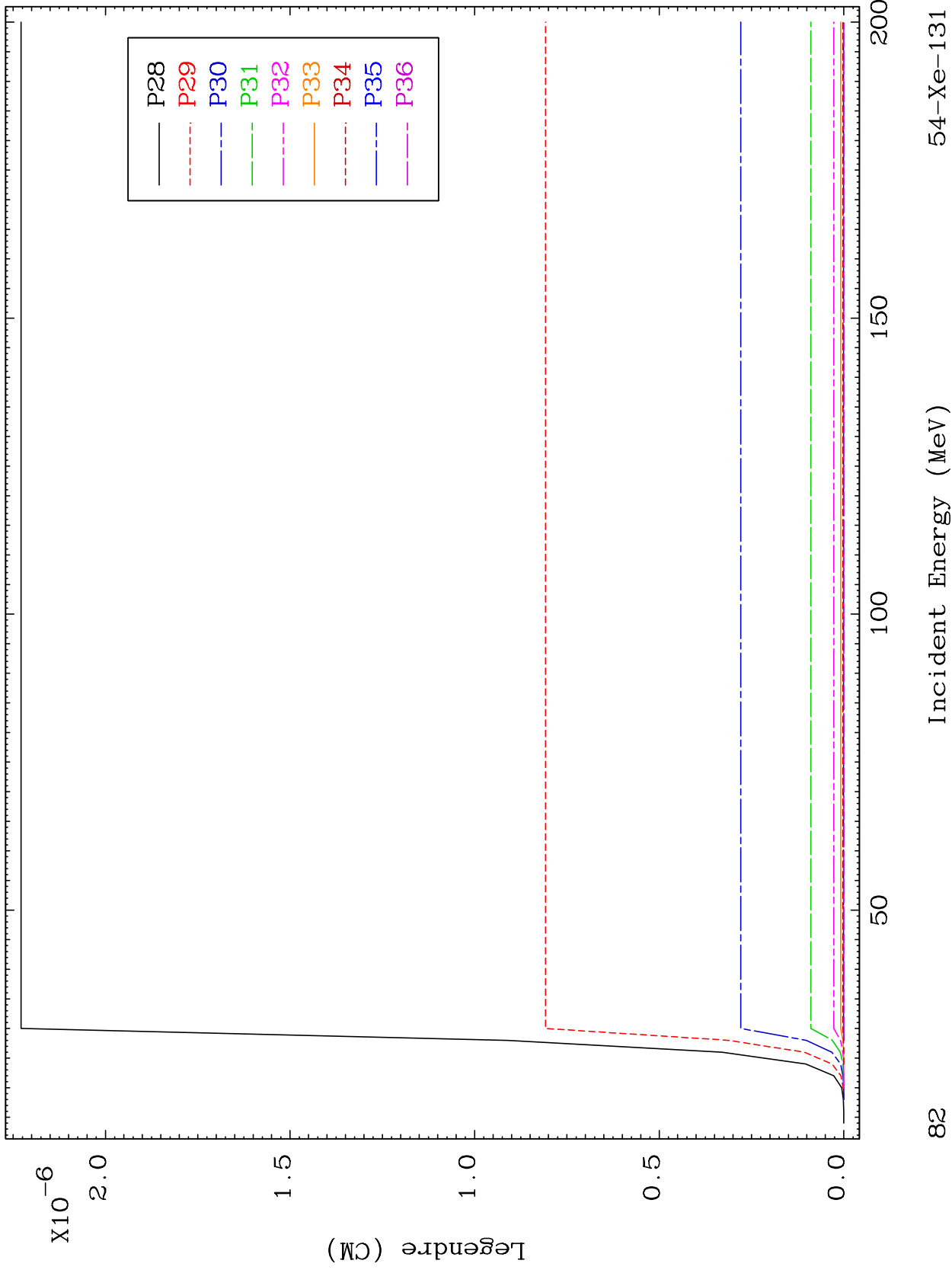
54-Xe-131

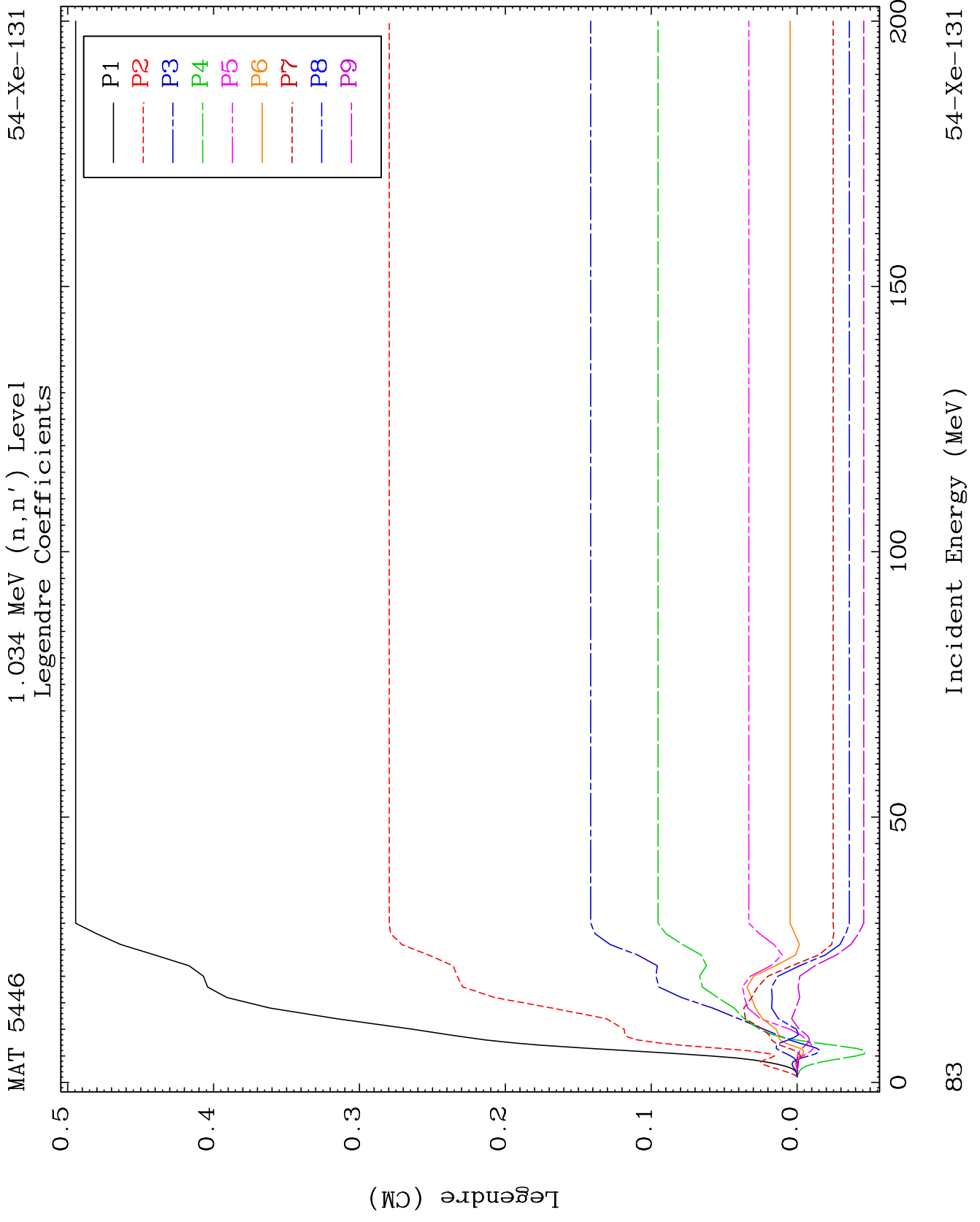


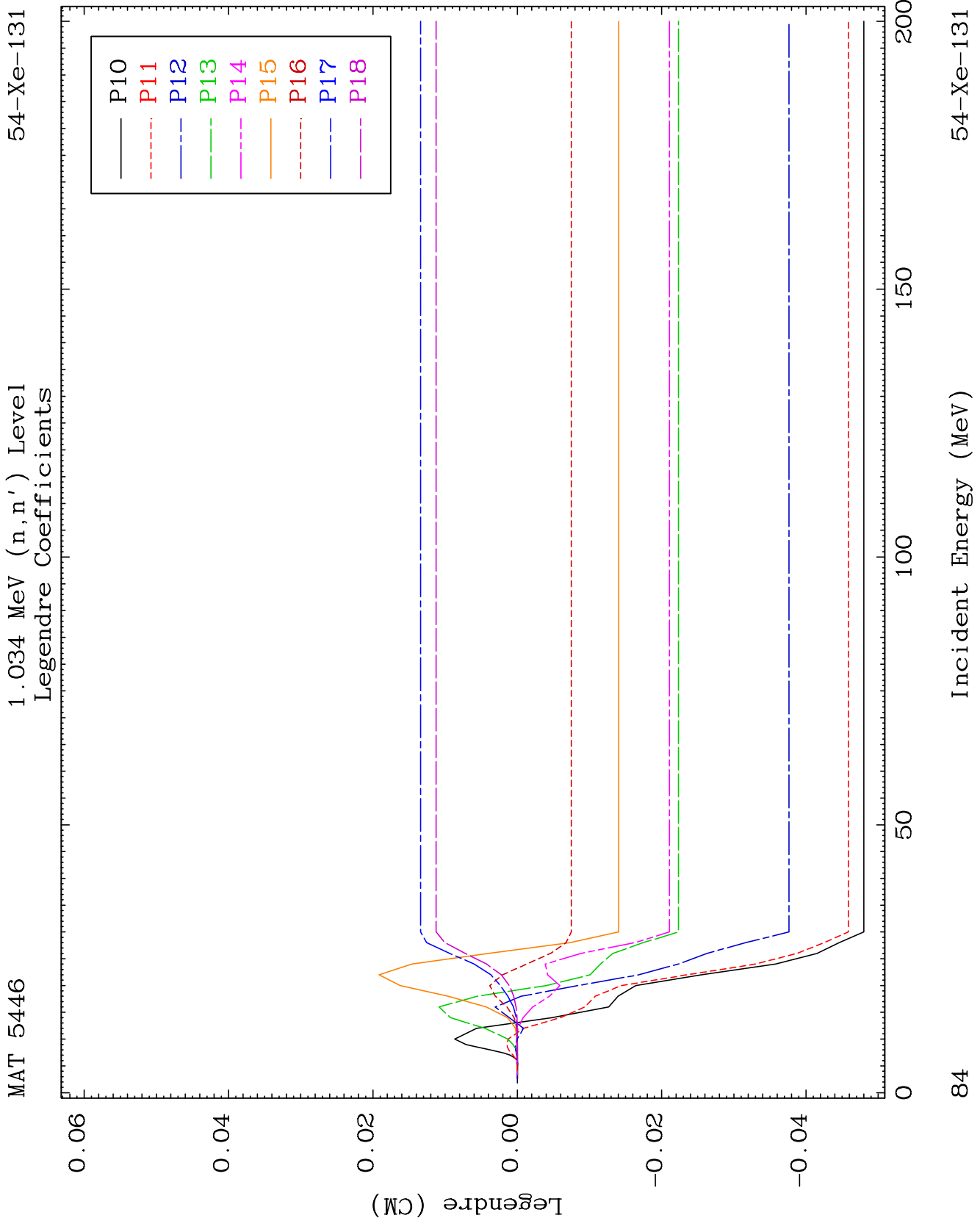
MAT 5446

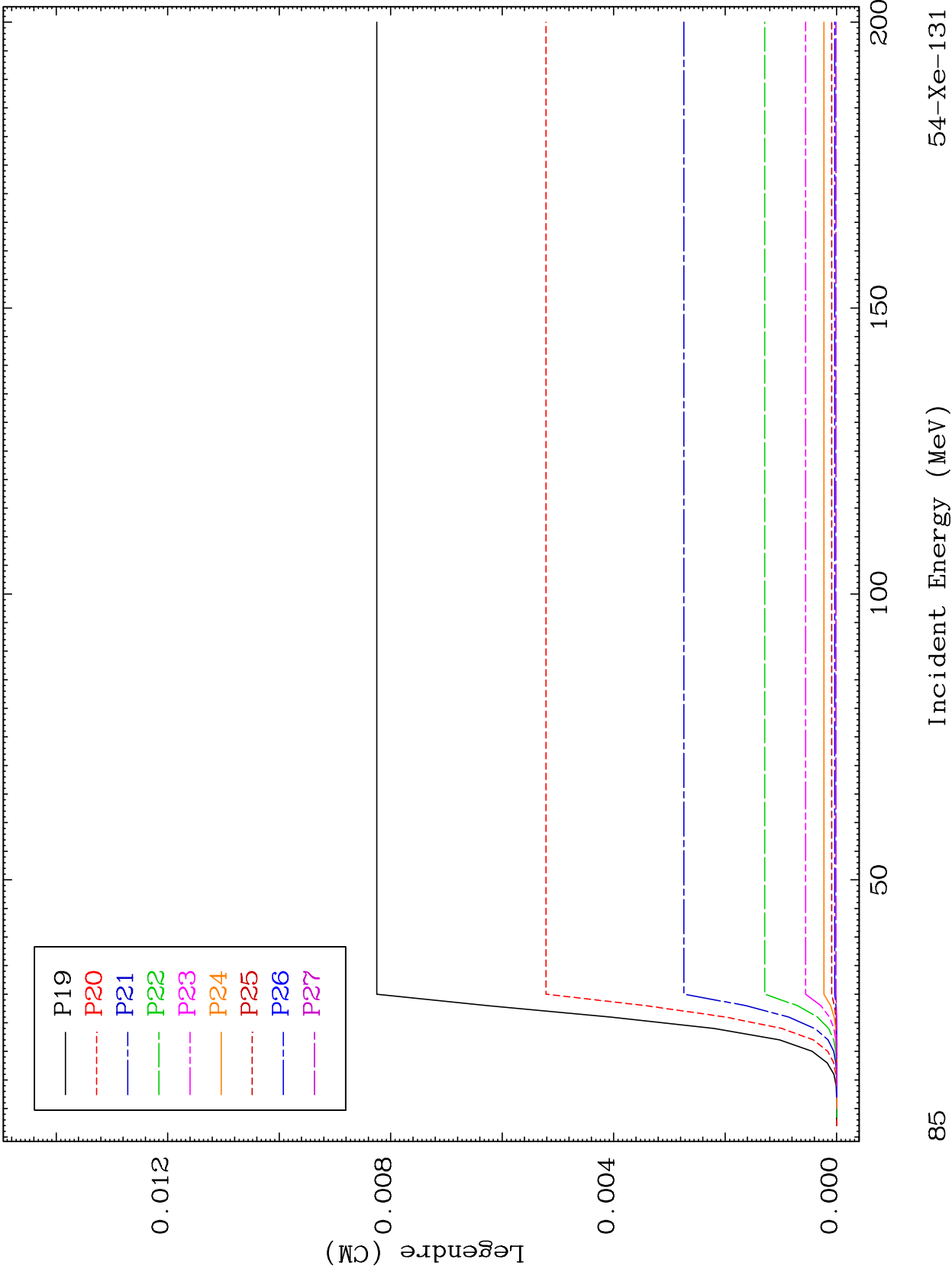
994.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-131





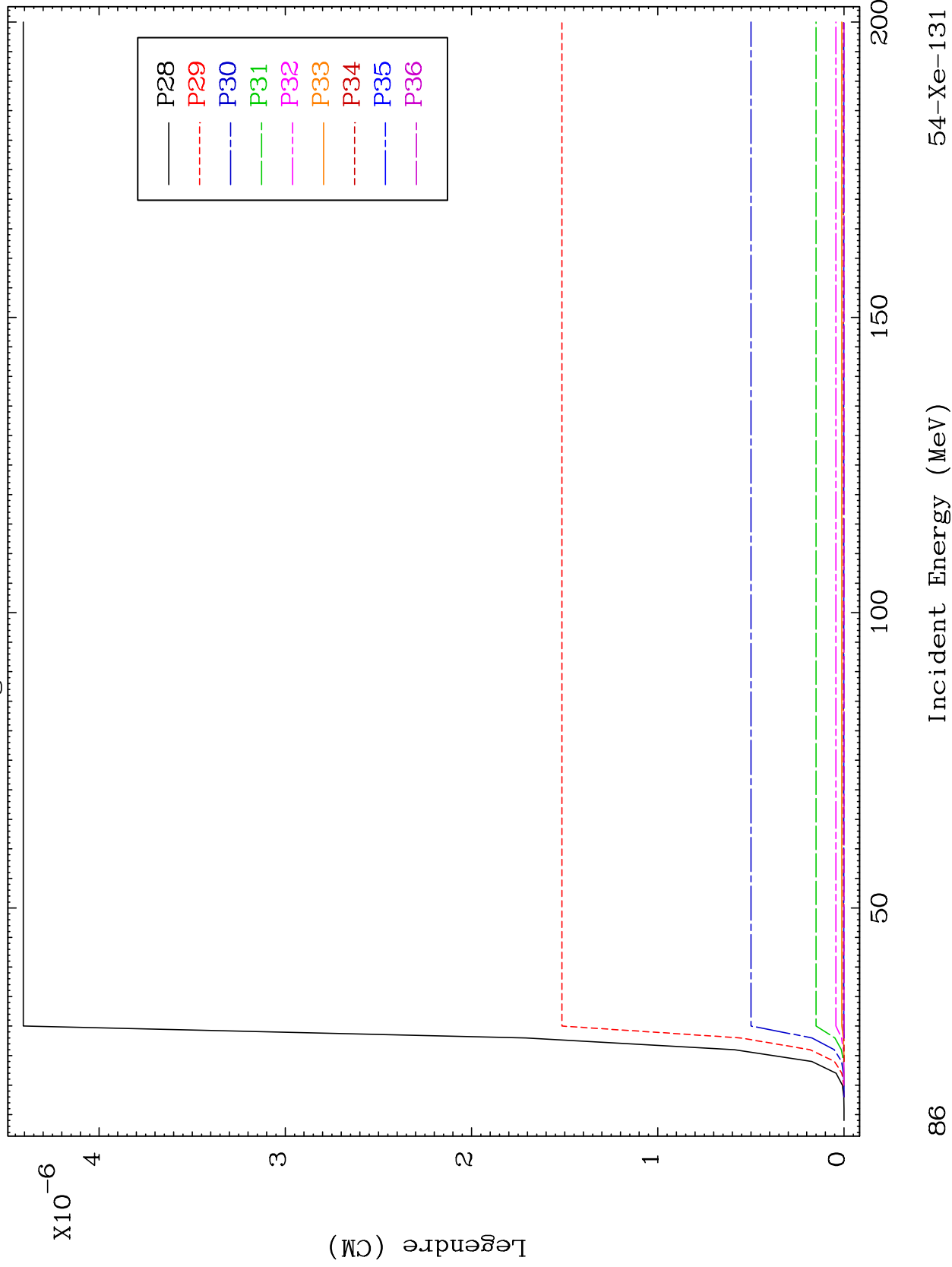


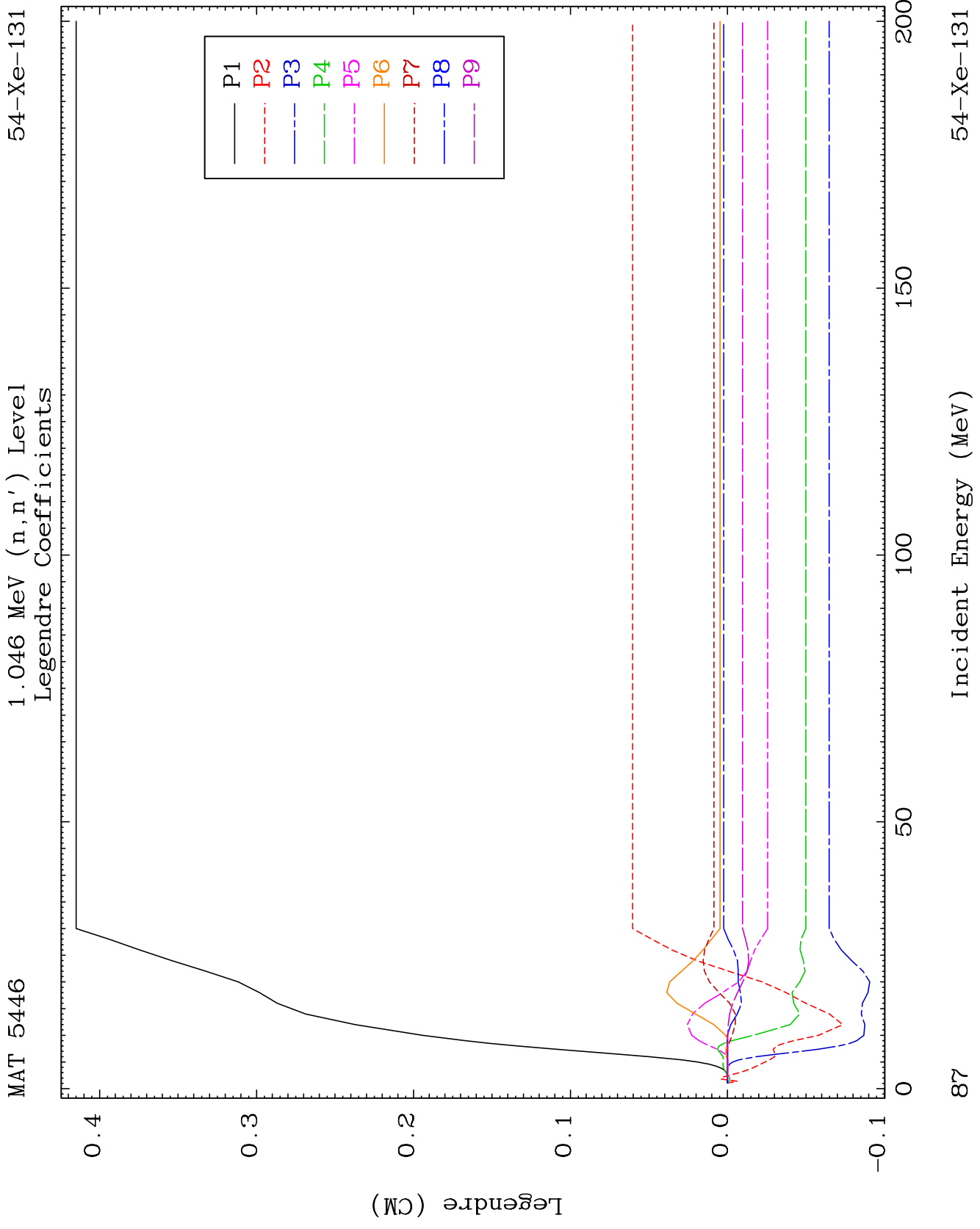


MAT 5446

1.034 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



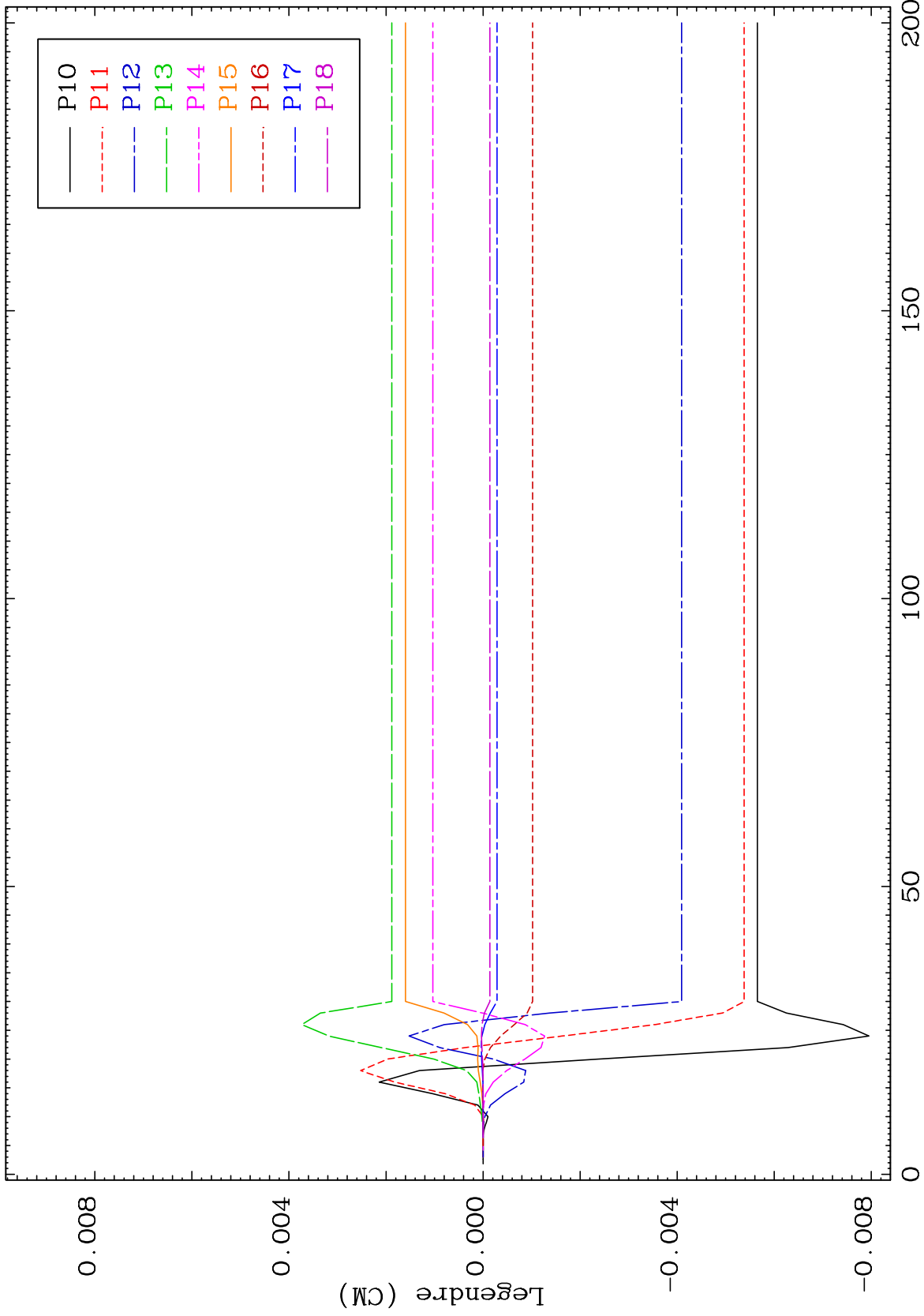




MAT 5446

1.046 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



88

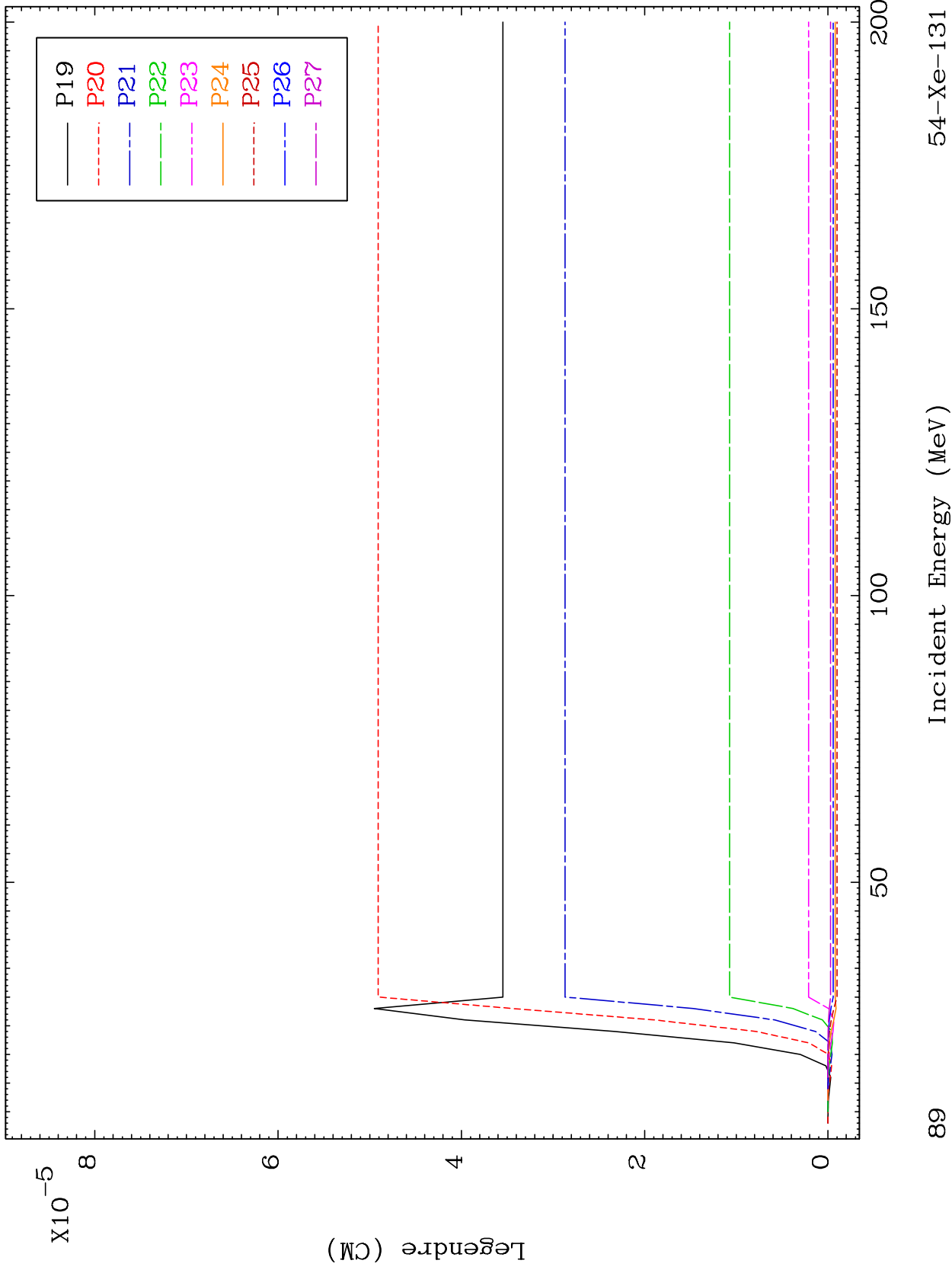
Incident Energy (MeV)

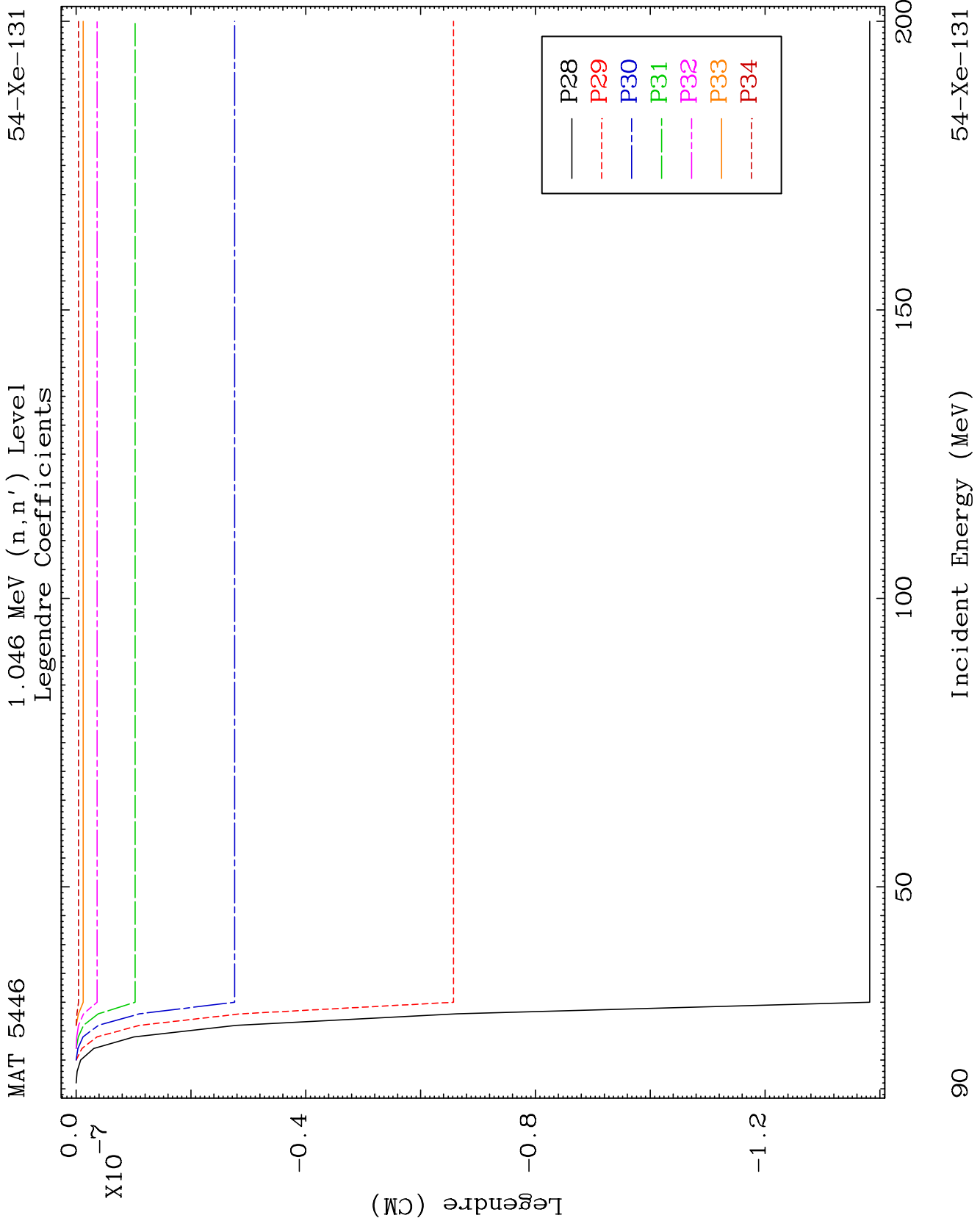
54-Xe-131

MAT 5446

1.046 MeV (n,n') Level  
Legendre Coefficients

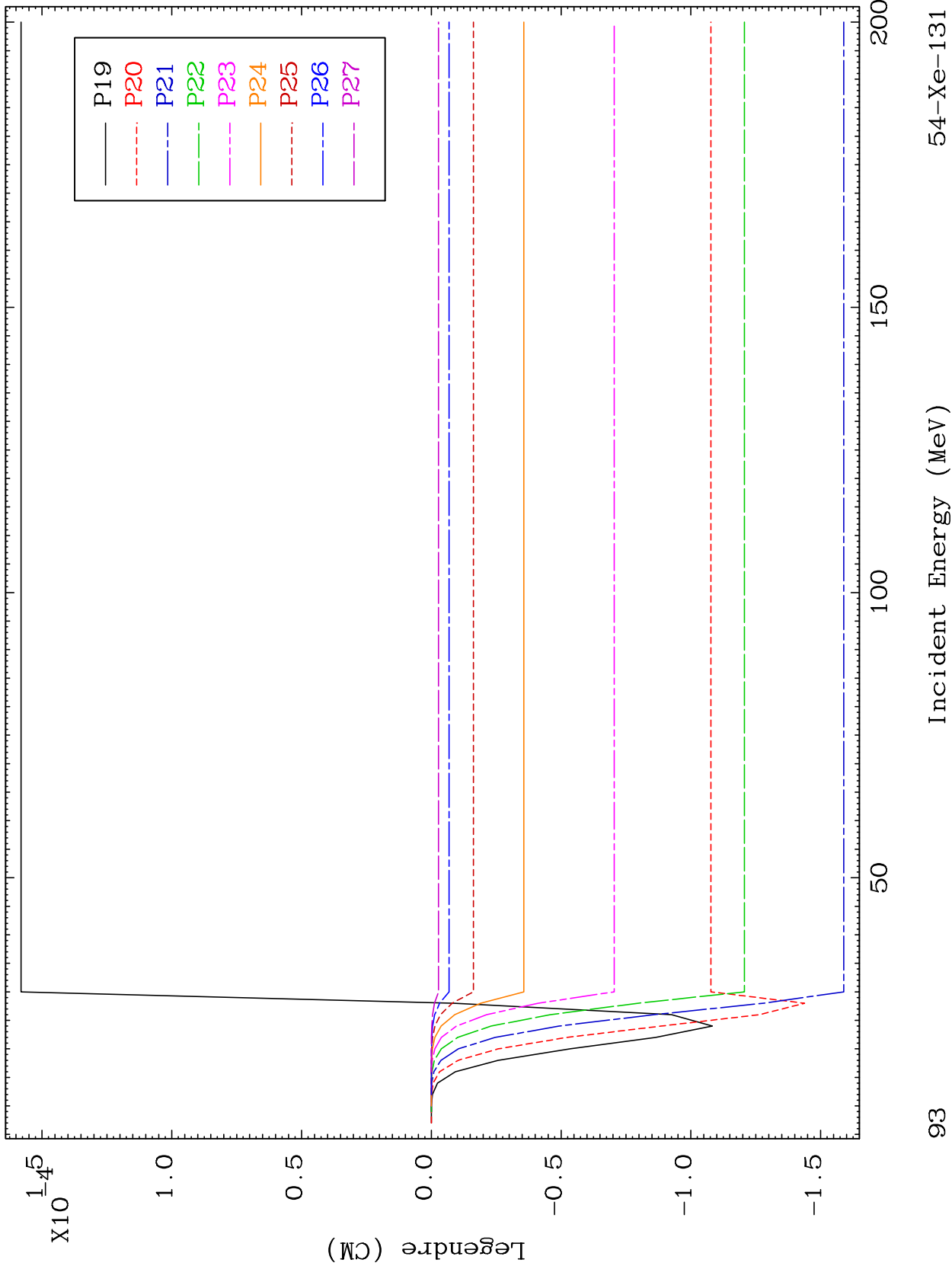
54-Xe-131

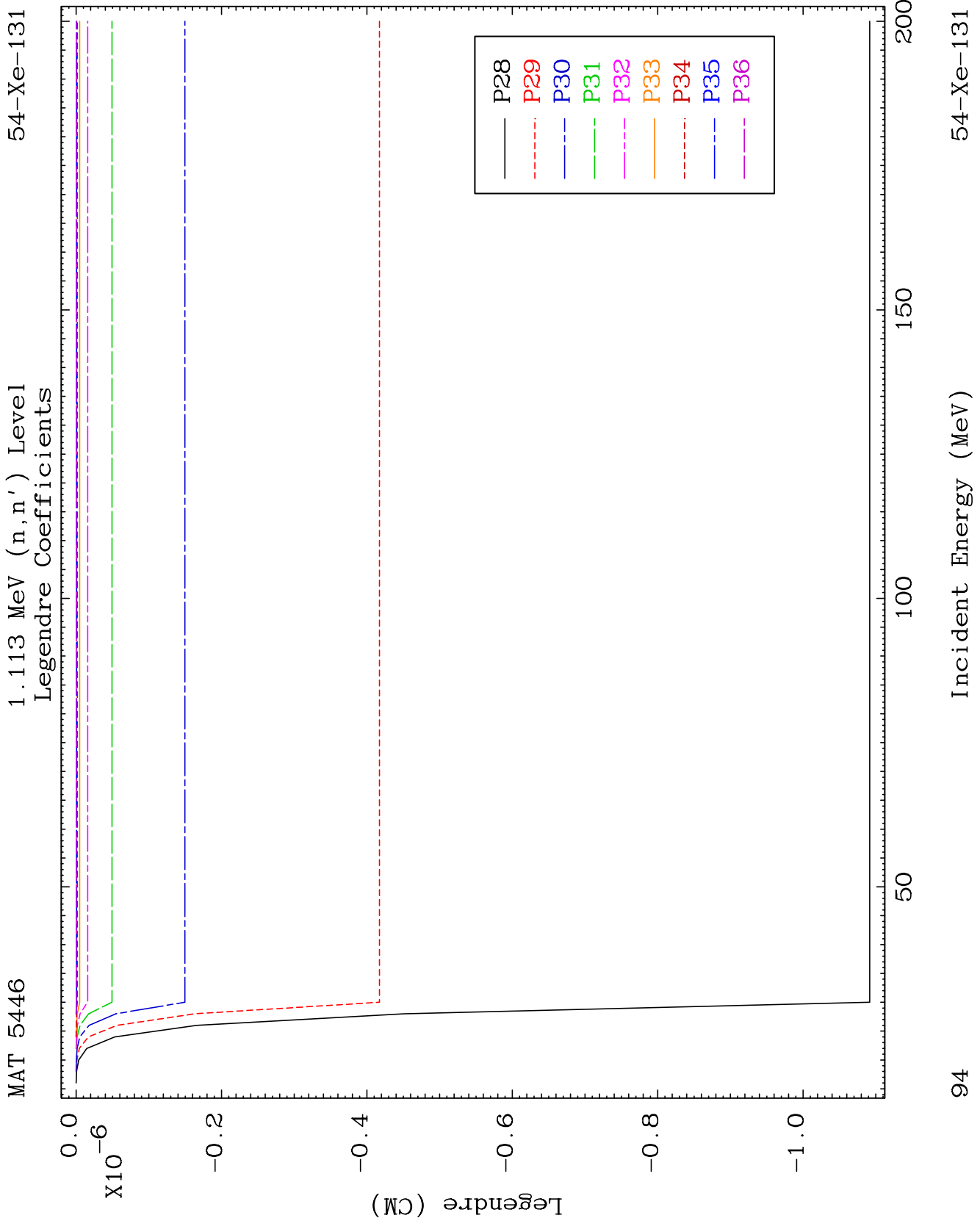








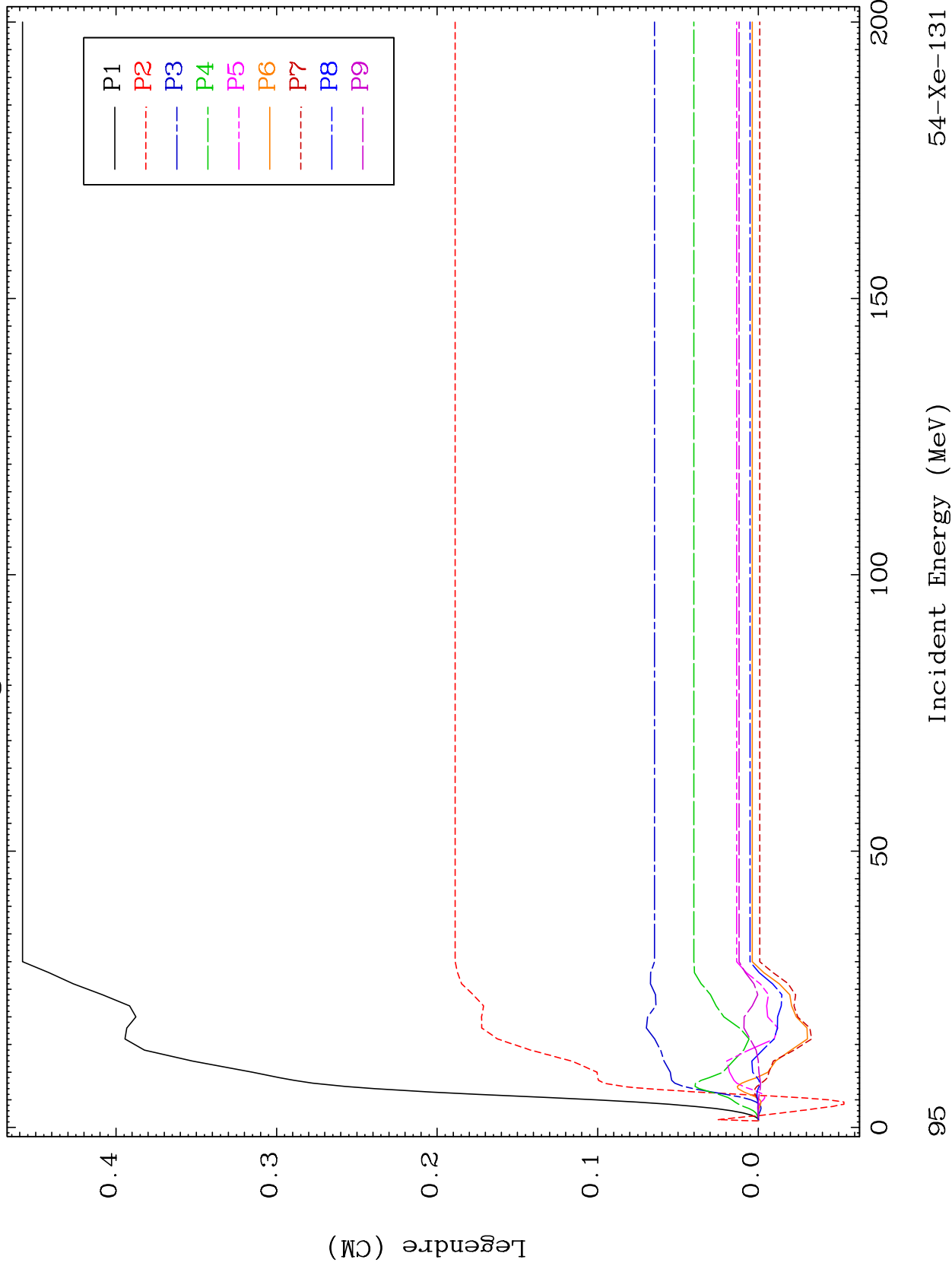




MAT 5446

1.157 MeV (n, n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

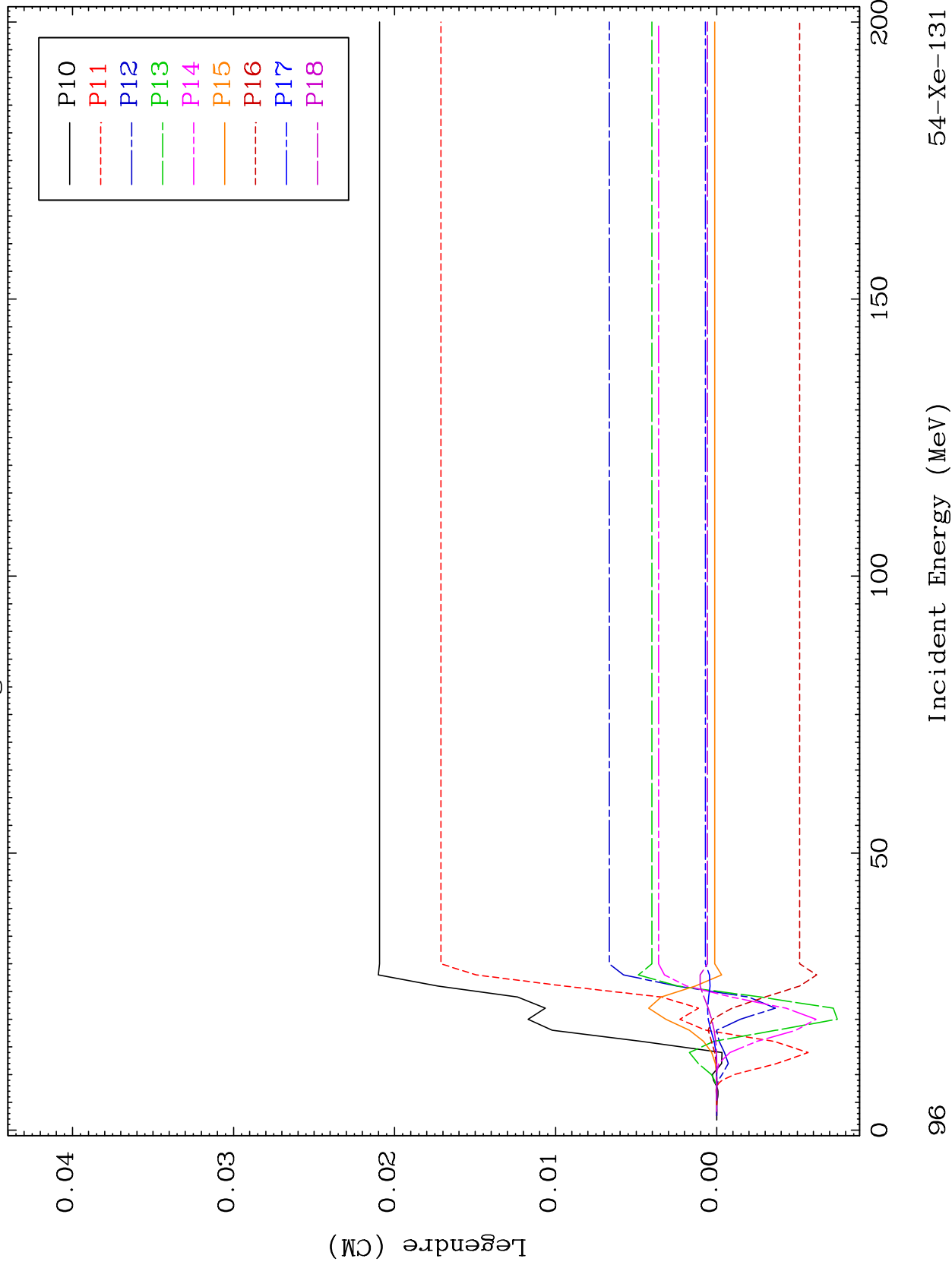
95



MAT 5446

1.157 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

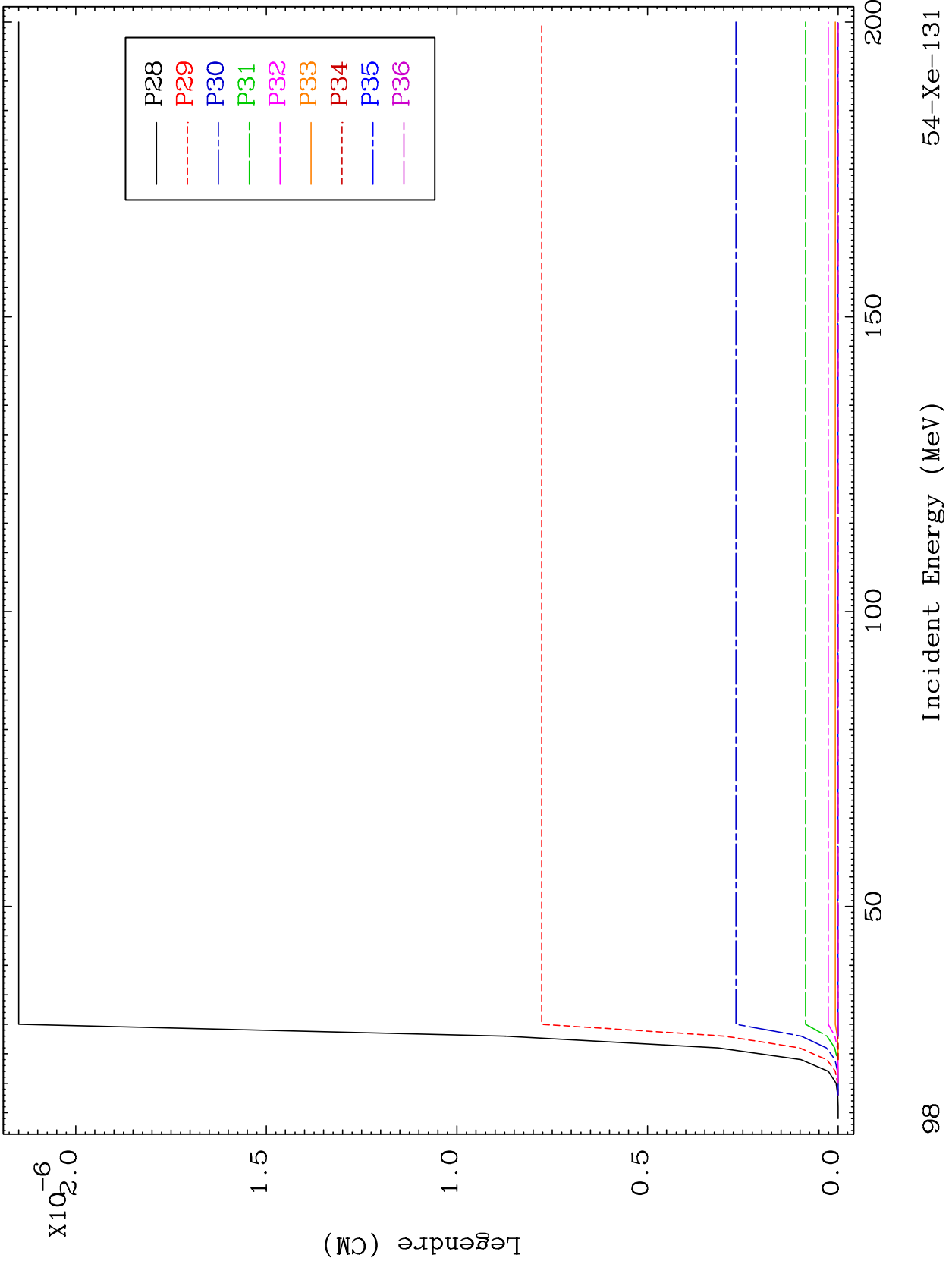
96



MAT 5446

1.157 MeV (n,n') Level  
Legendre Coefficients

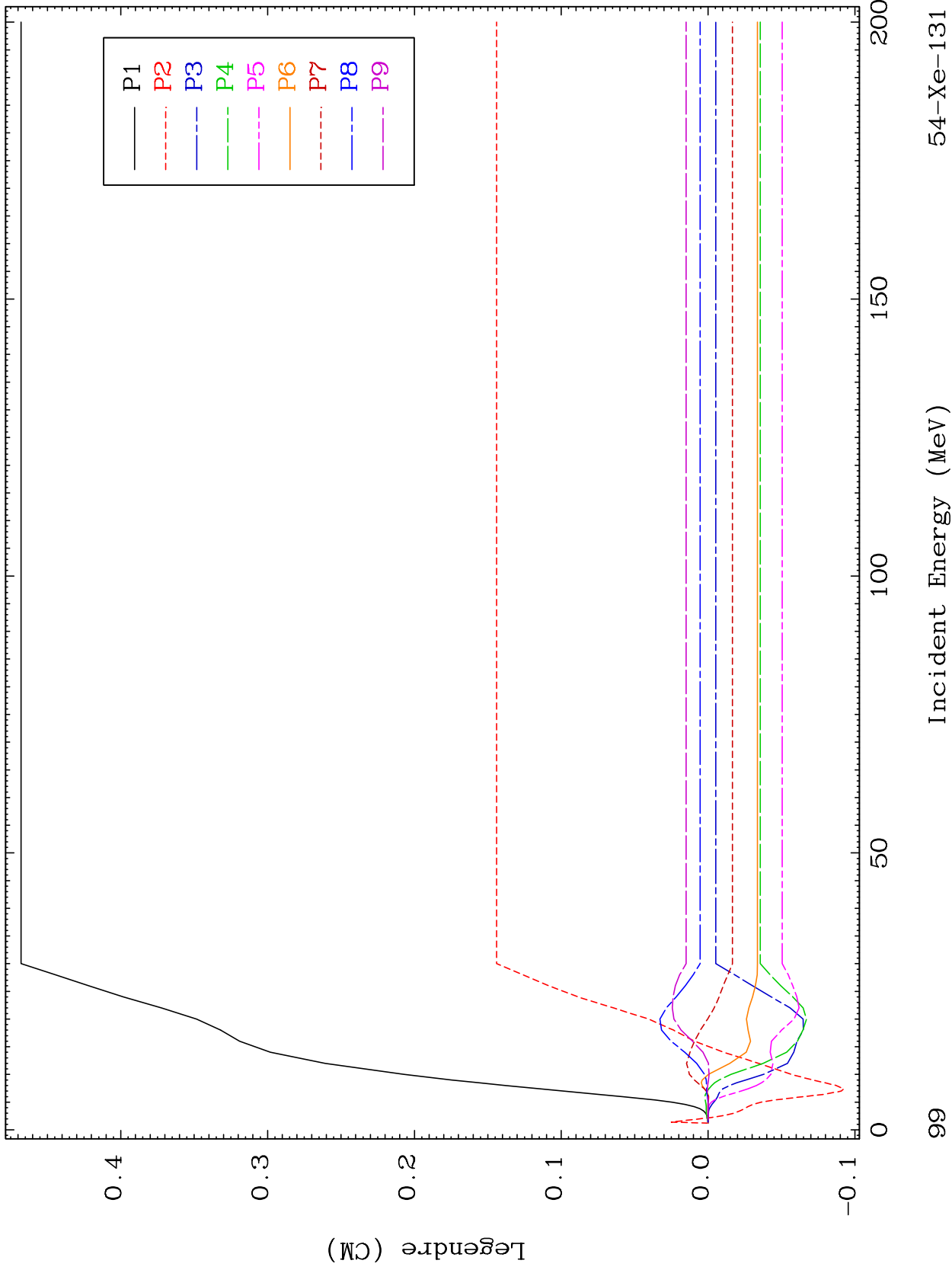
54-Xe-131



MAT 5446

1.191 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

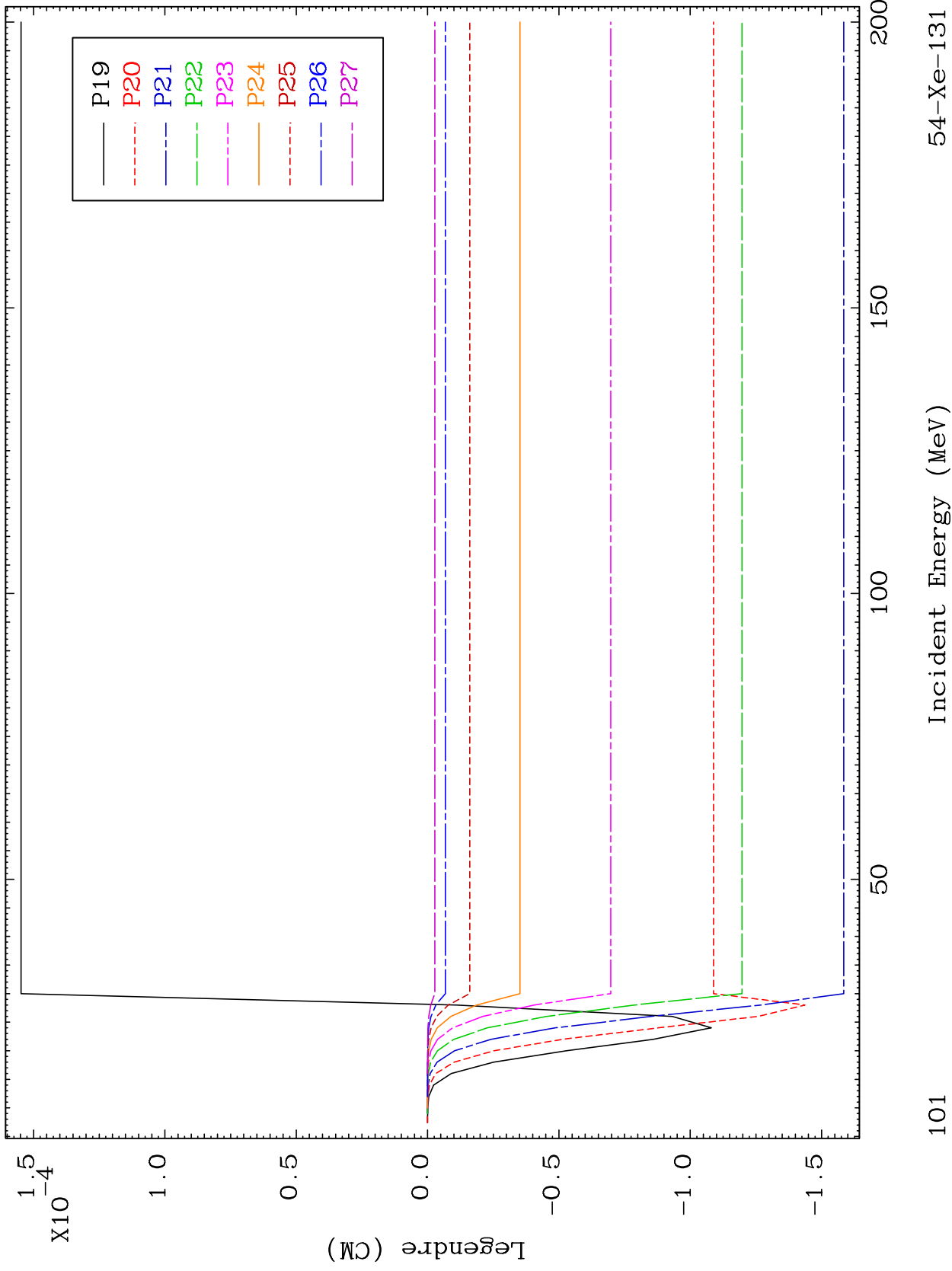
99



MAT 5446

1.191 MeV (n,n') Level  
Legendre Coefficients

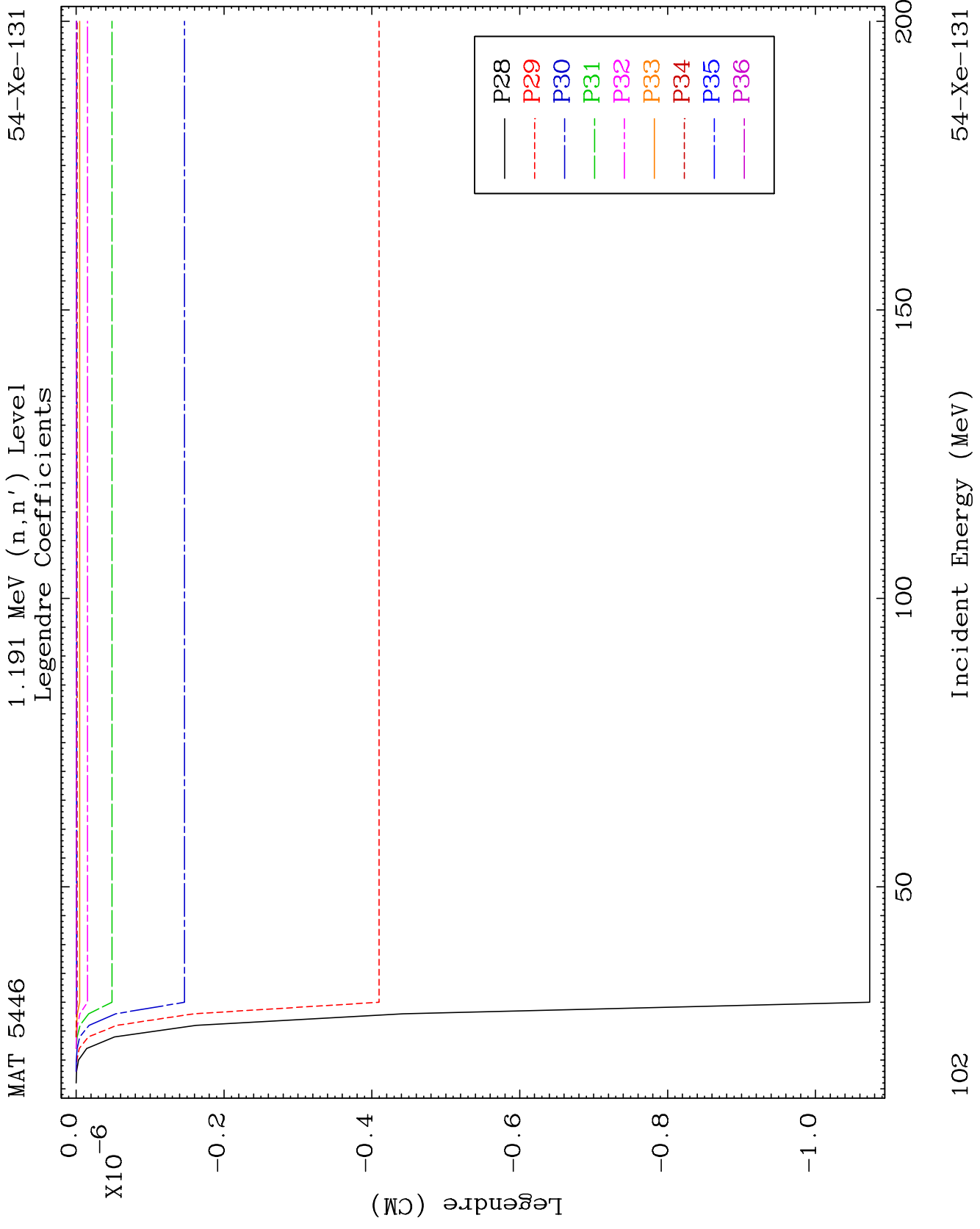
54-Xe-131



101

Incident Energy (MeV)

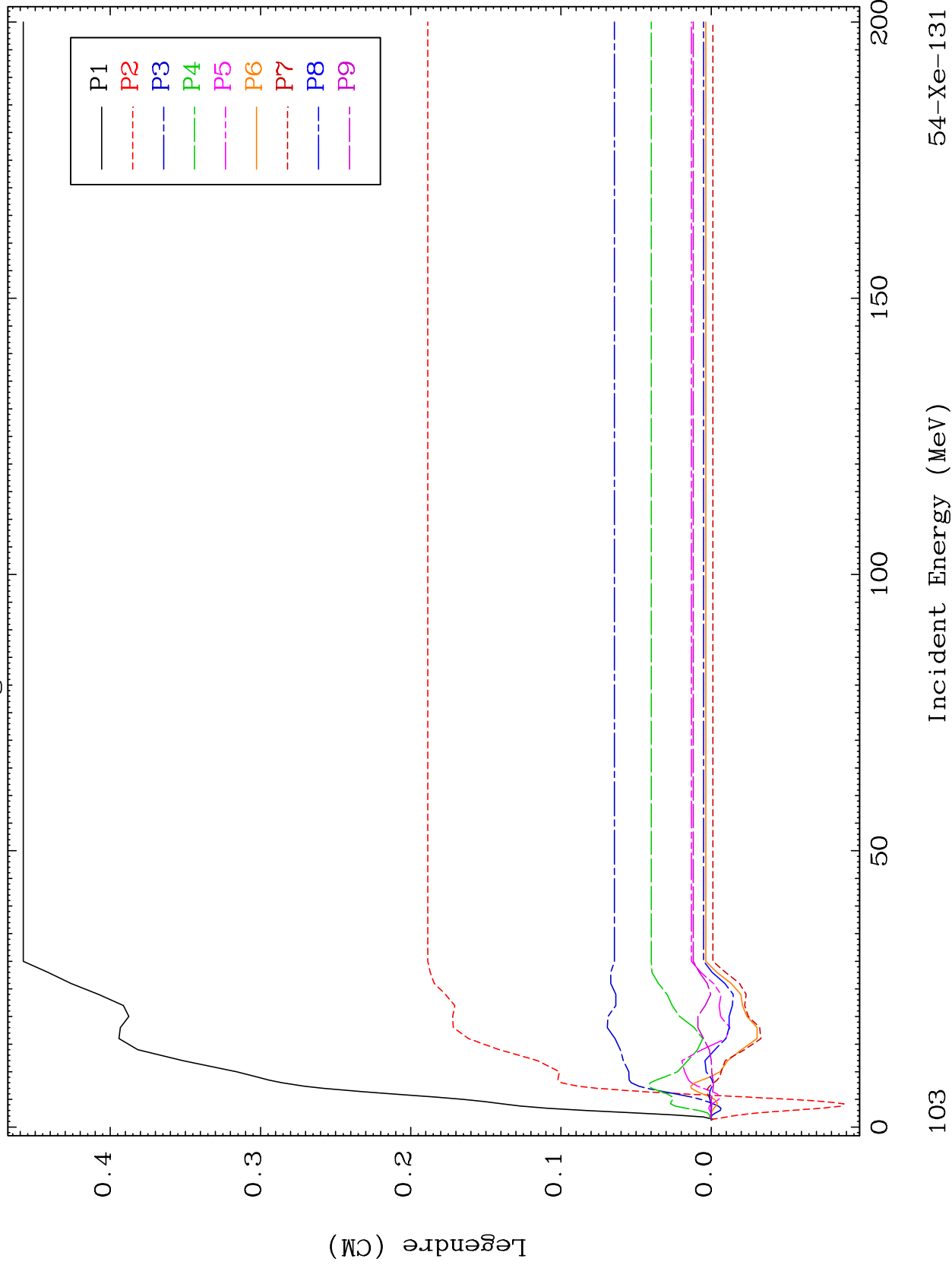
54-Xe-131



MAT 5446

1.245 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

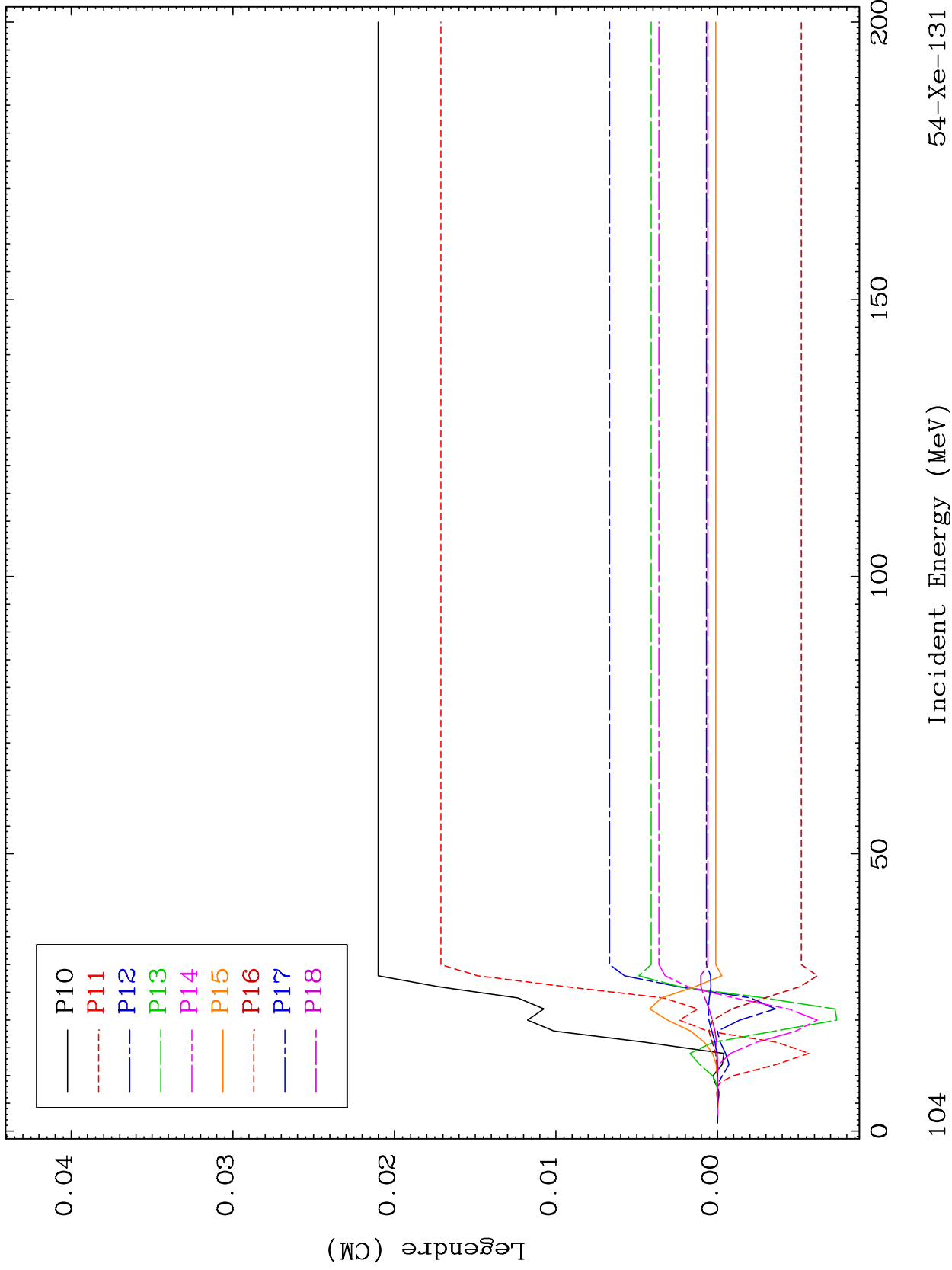
103



MAT 5446

1.245 MeV (n, n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

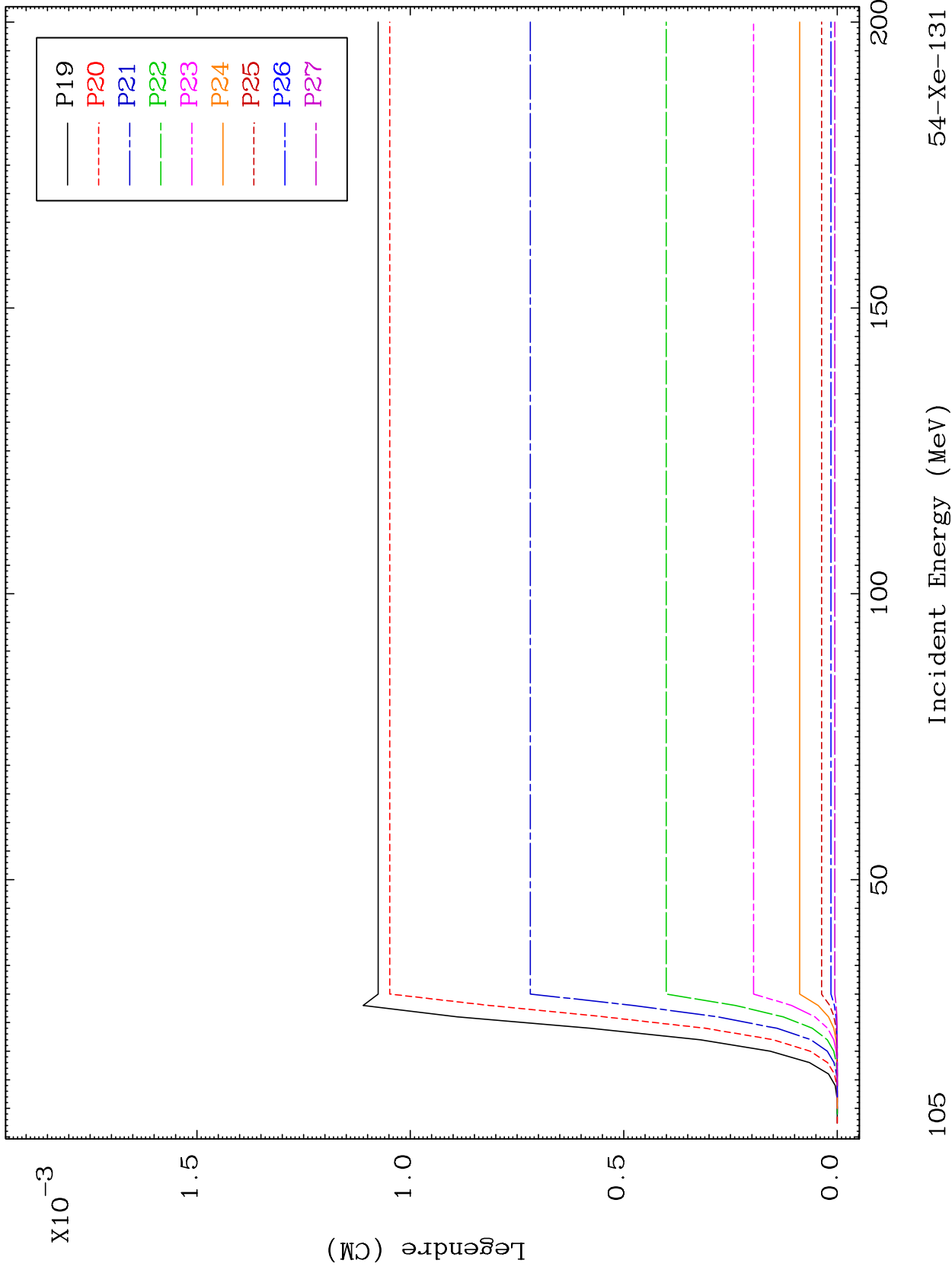
Incident Energy (MeV)

104

MAT 5446

1.245 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



105

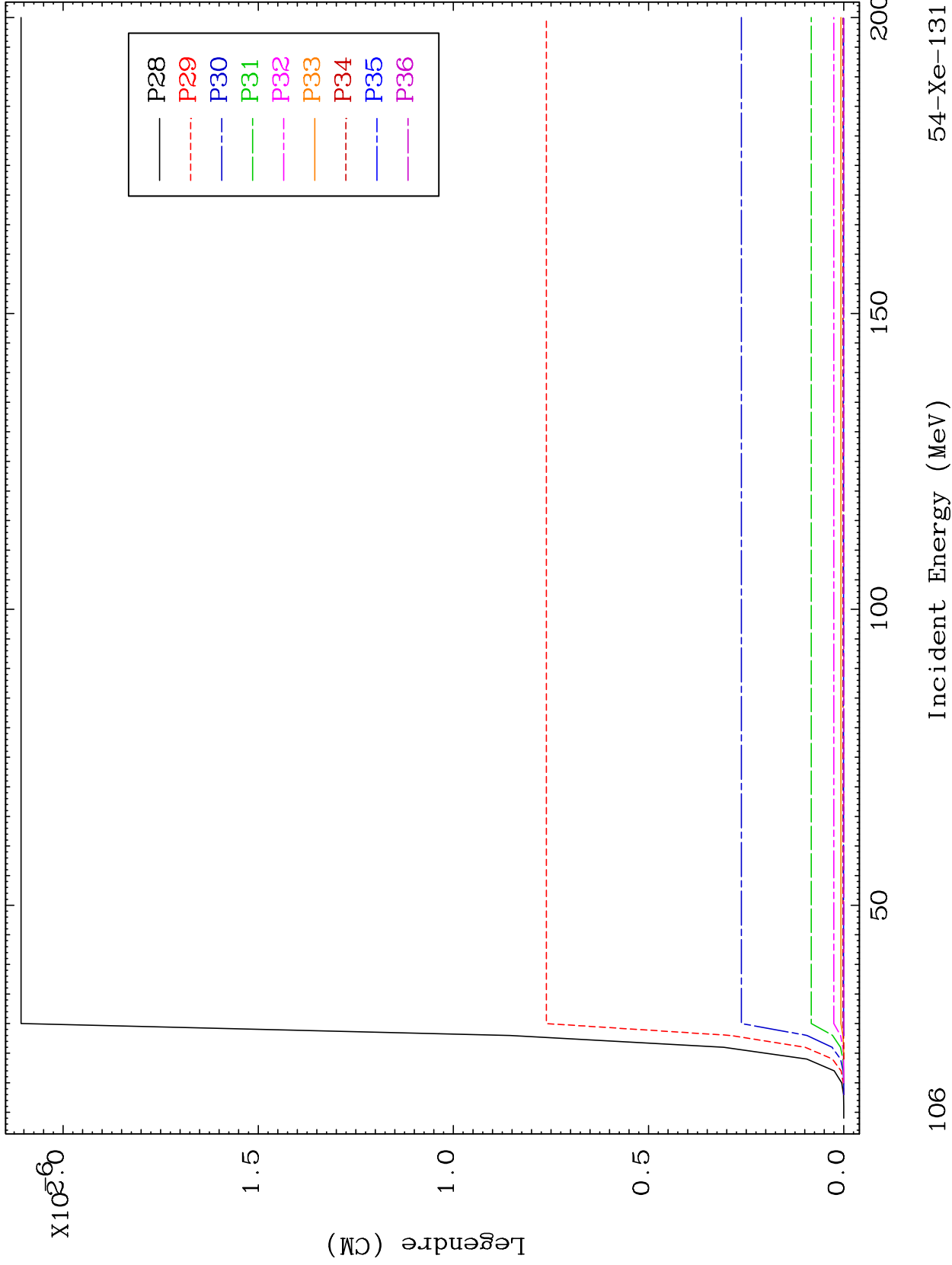
Incident Energy (MeV)

54-Xe-131

MAT 5446

1.245 MeV (n, n') Level  
Legendre Coefficients

54-Xe-131



106

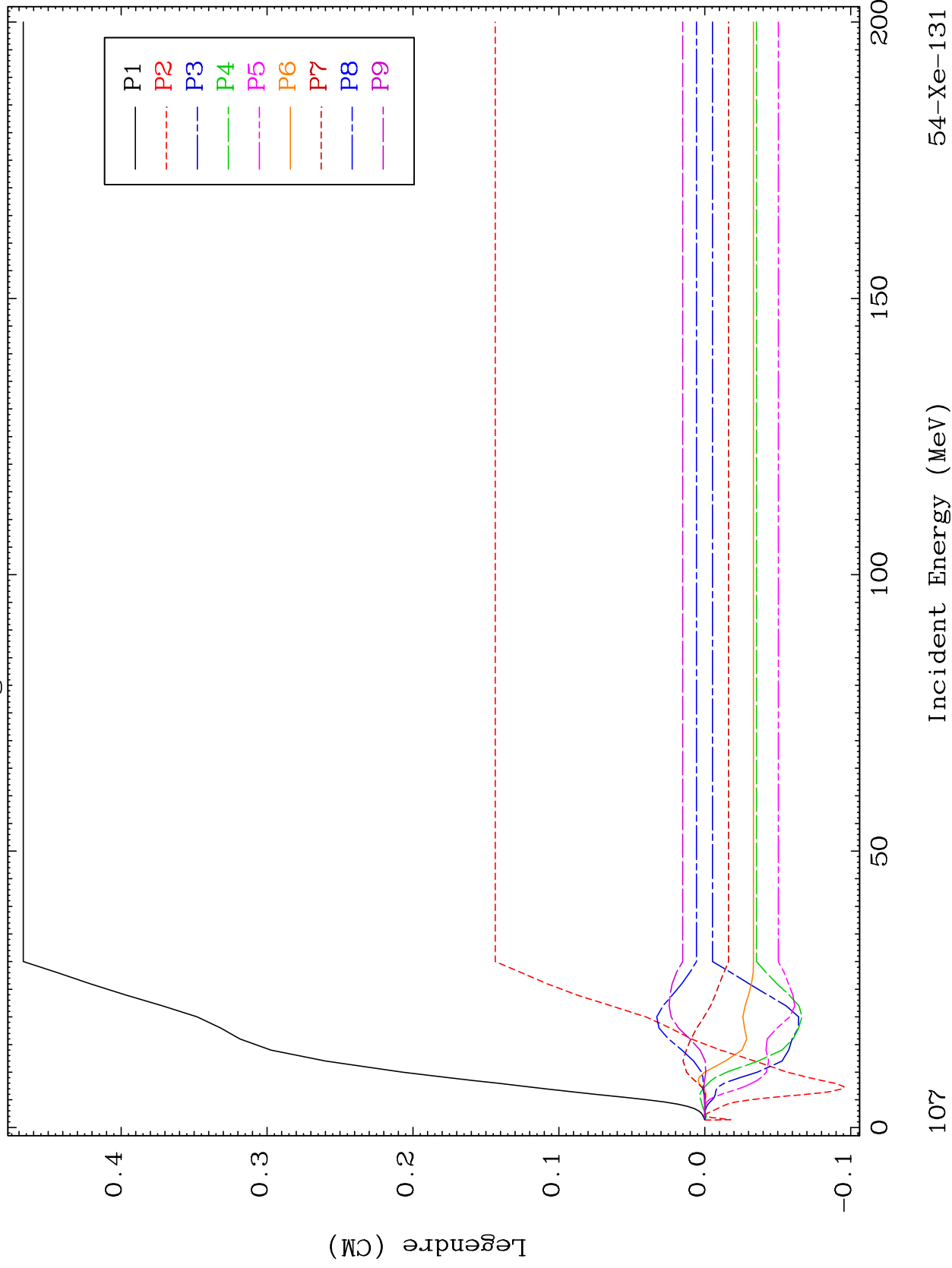
Incident Energy (MeV)

54-Xe-131

MAT 5446

1.320 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

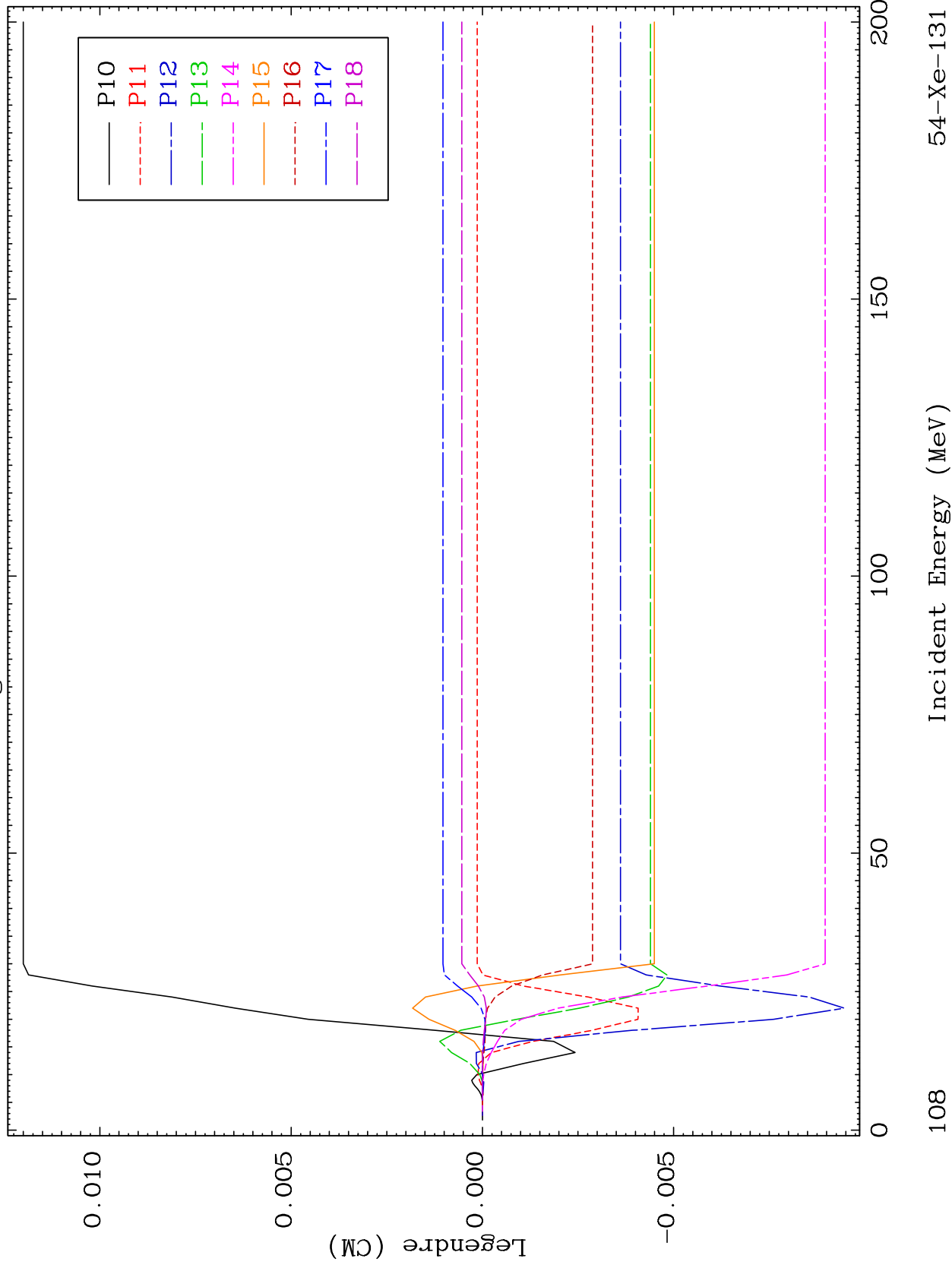
Incident Energy (MeV)

107

MAT 5446

1.320 MeV (n,n') Level  
Legendre Coefficients

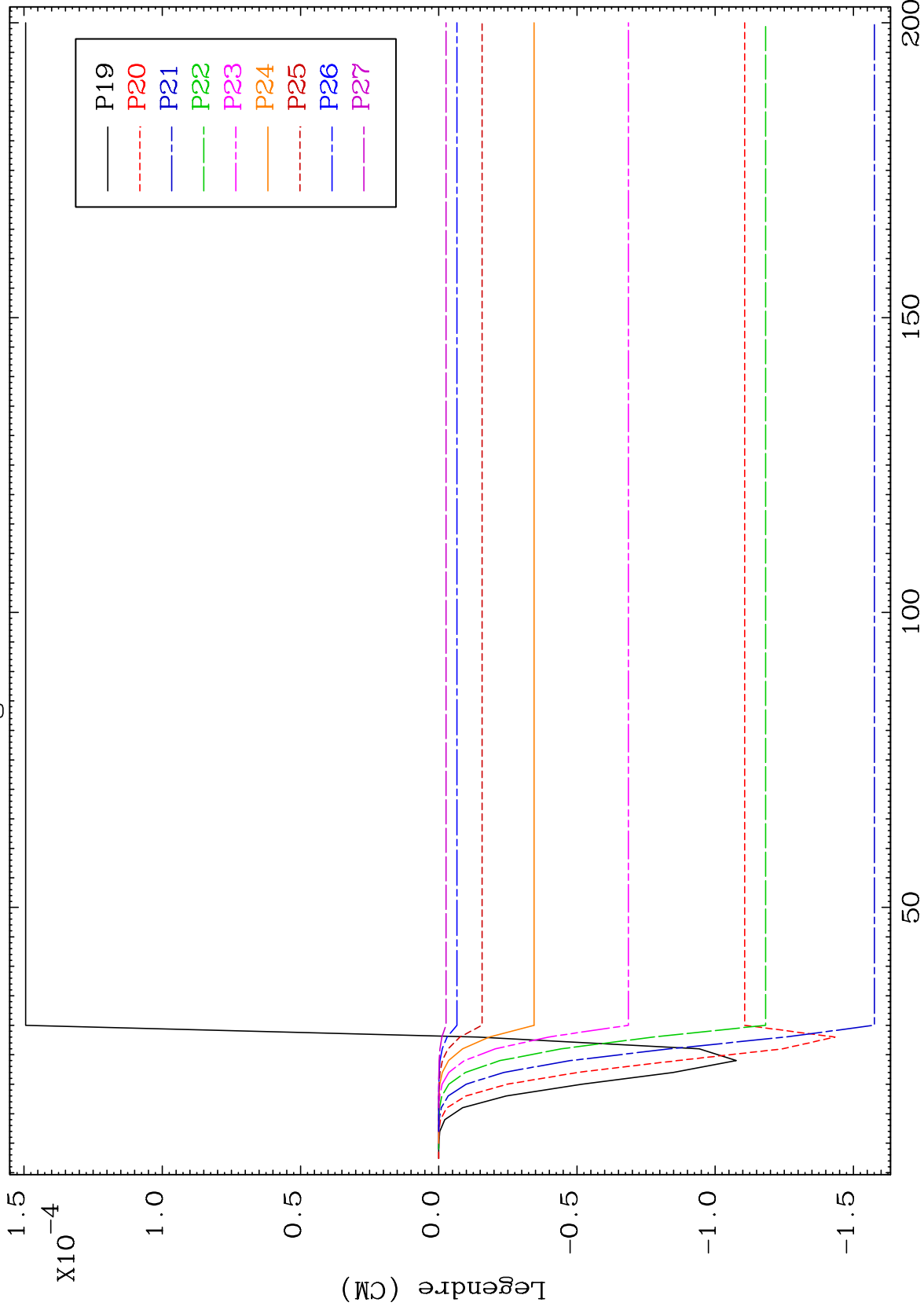
54-Xe-131

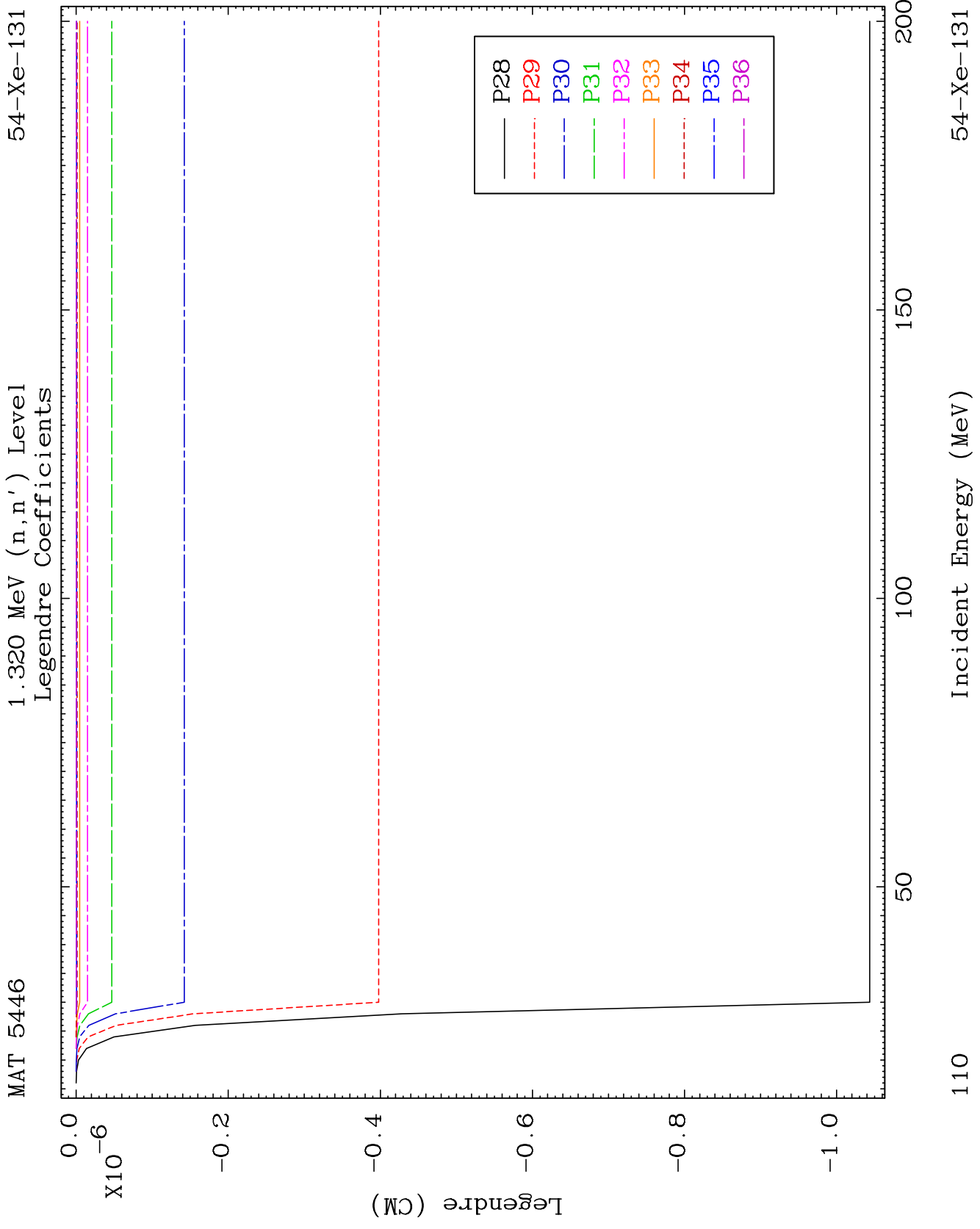


108

Incident Energy (MeV)

54-Xe-131





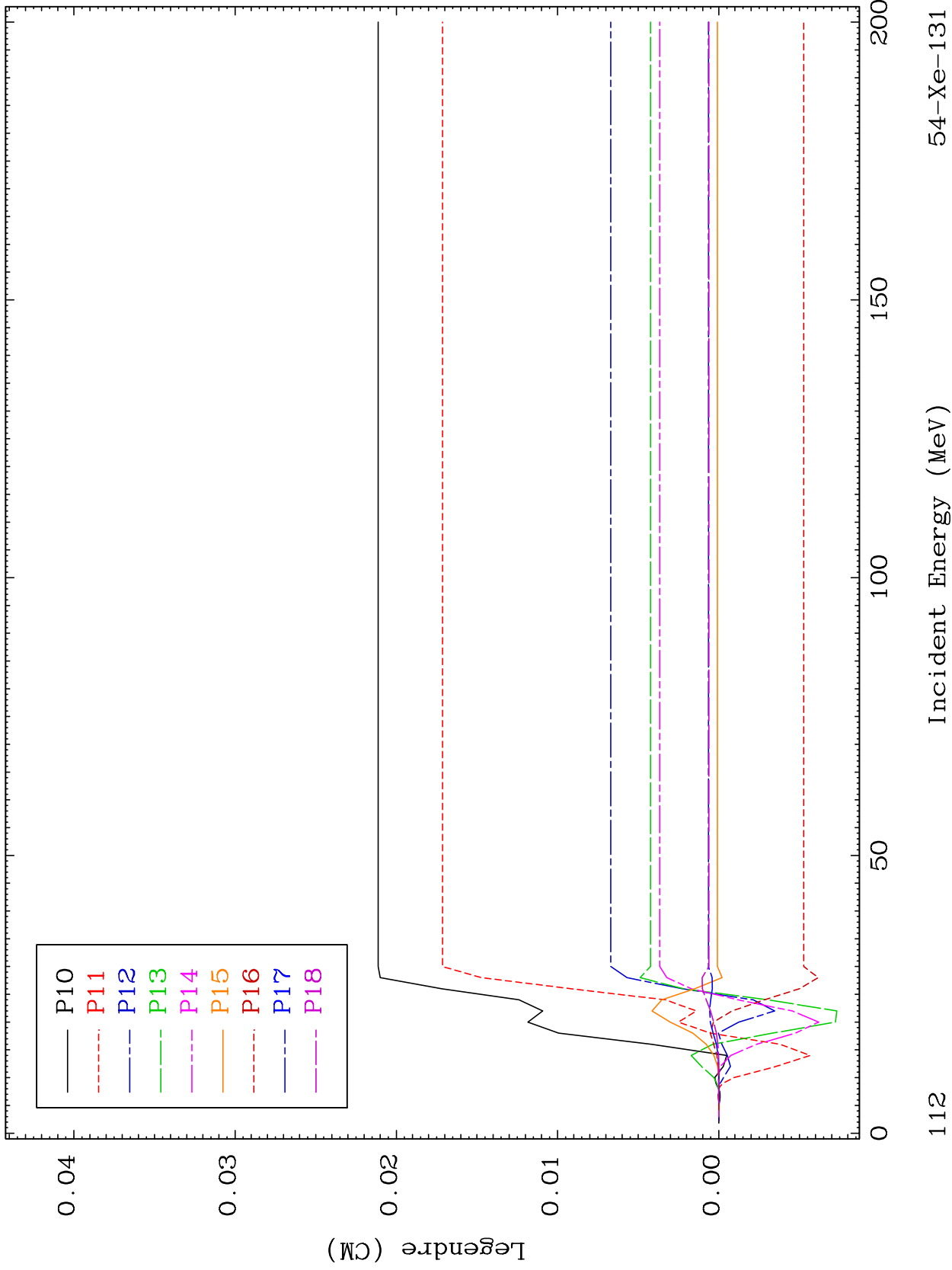




MAT 5446

1.397 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

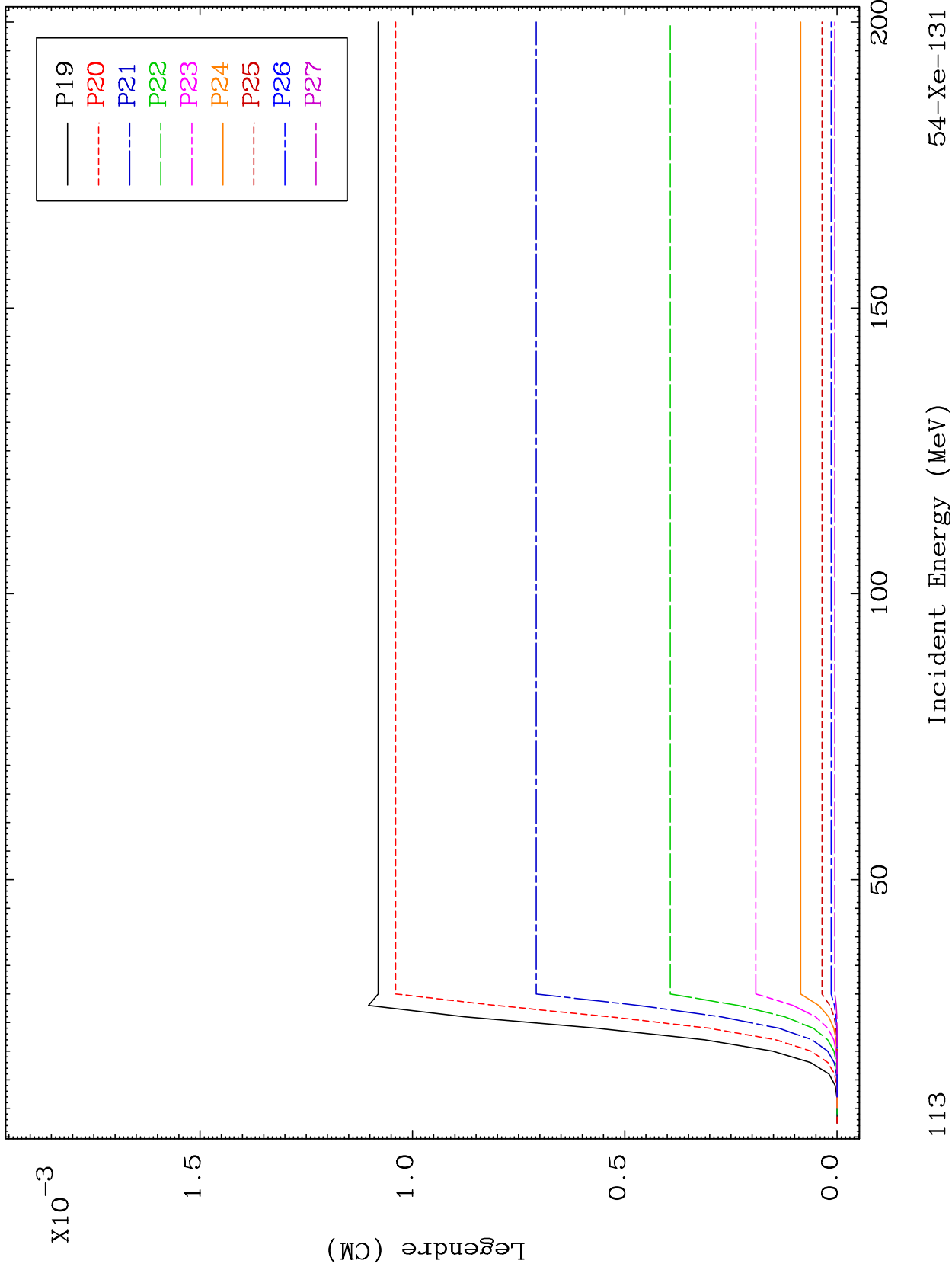
Incident Energy (MeV)

112

MAT 5446

1.397 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



113

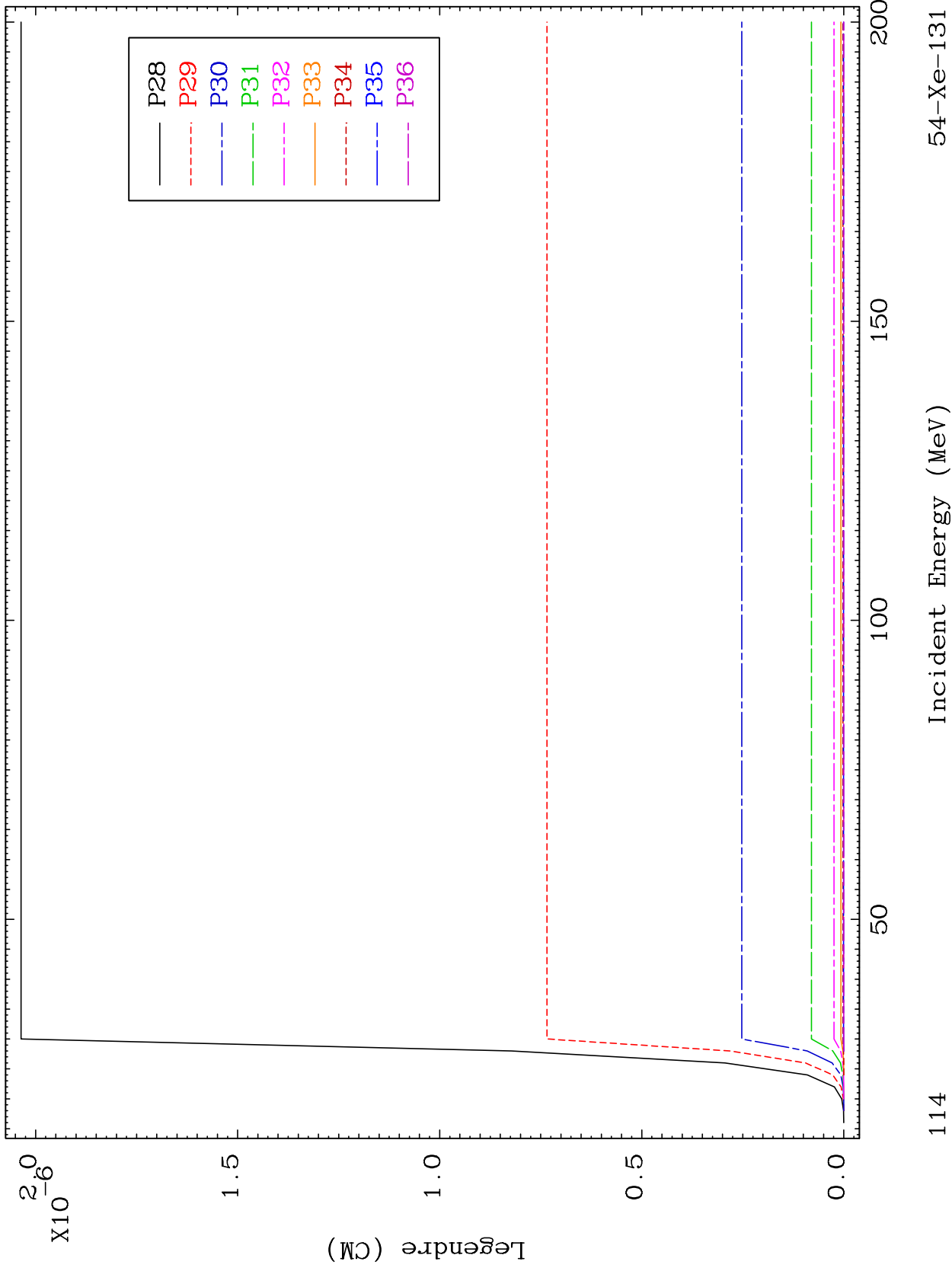
Incident Energy (MeV)

54-Xe-131

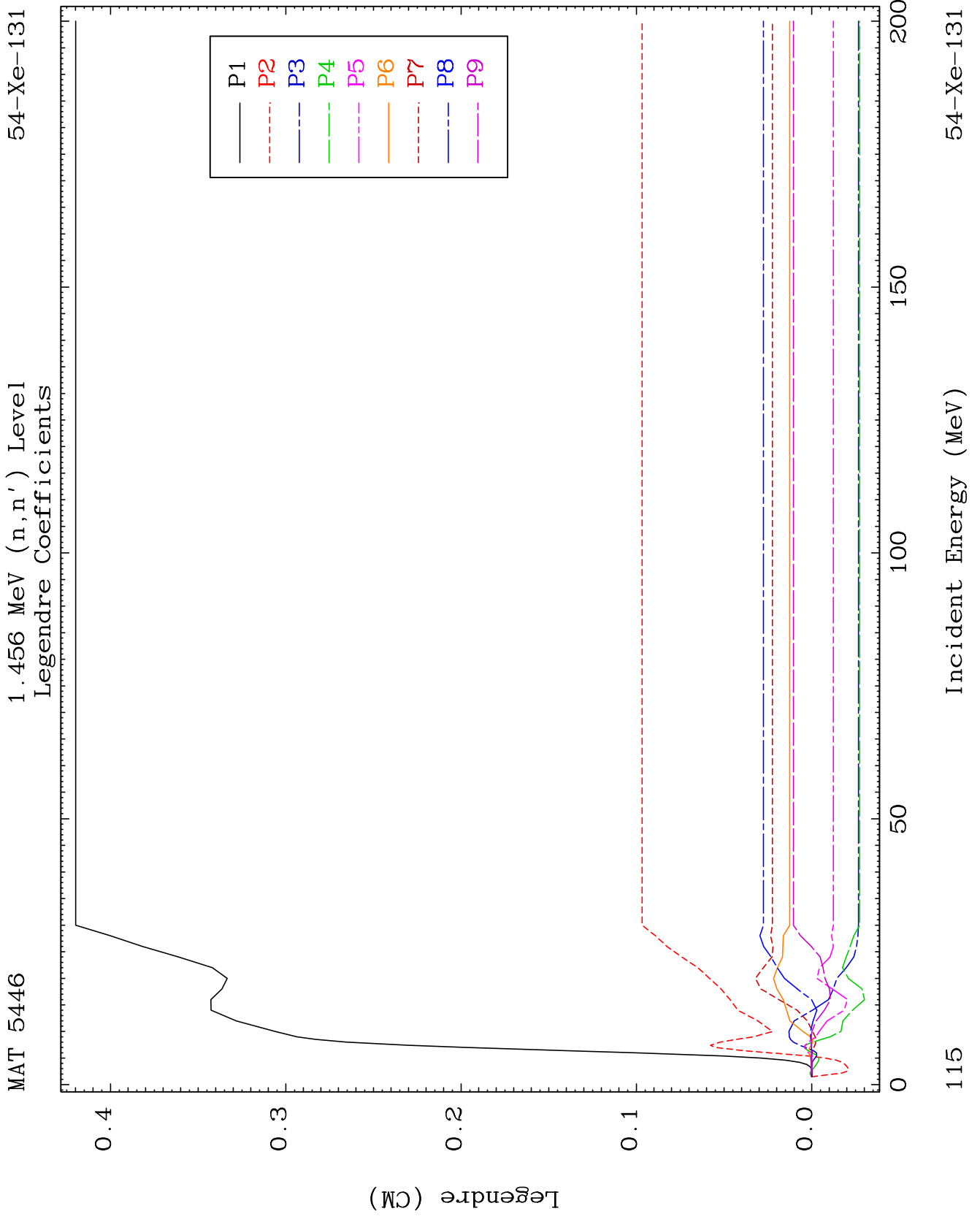
MAT 5446

1.397 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



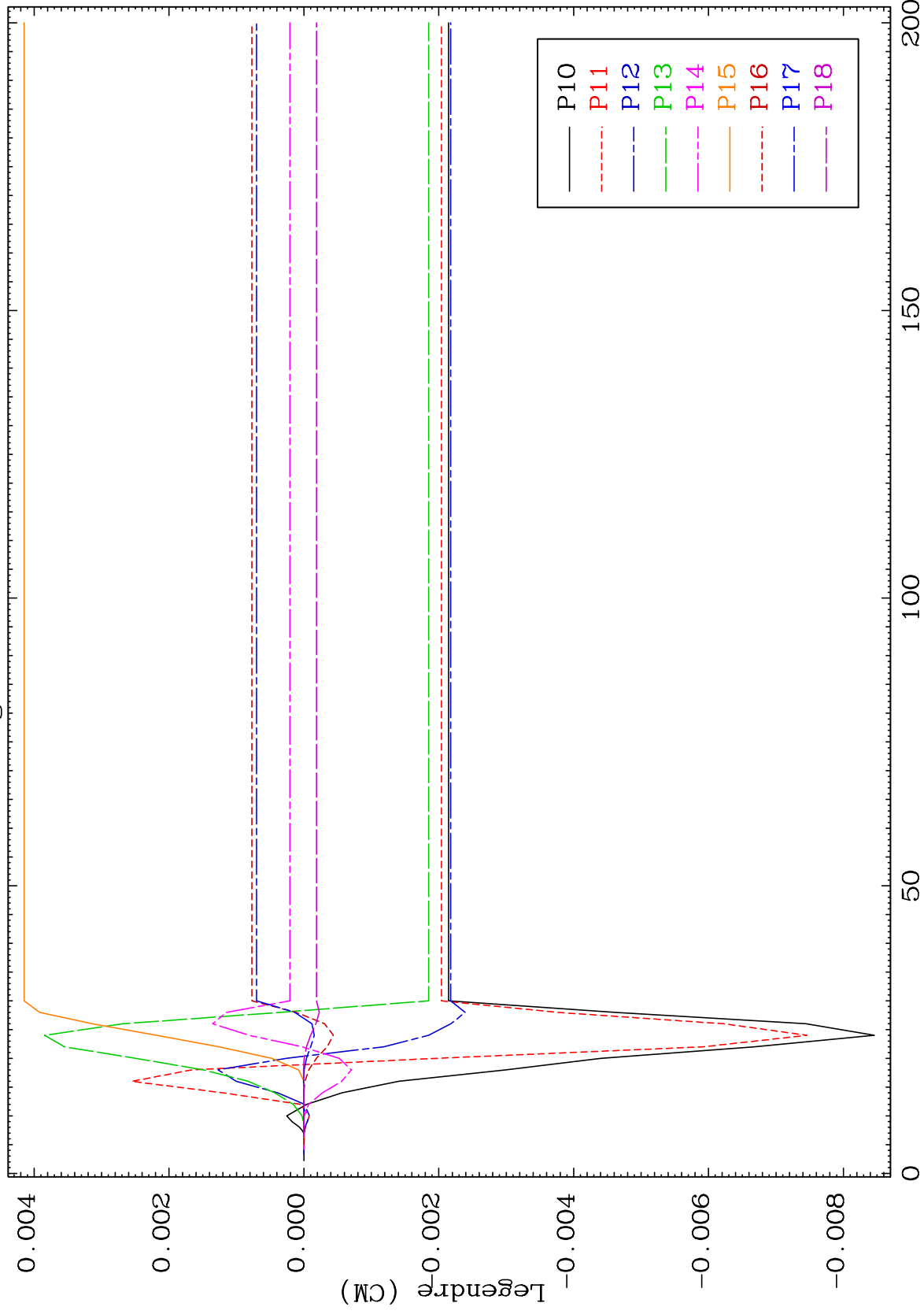
114



MAT 5446

1.456 MeV (n,n') Level  
Legendre Coefficients

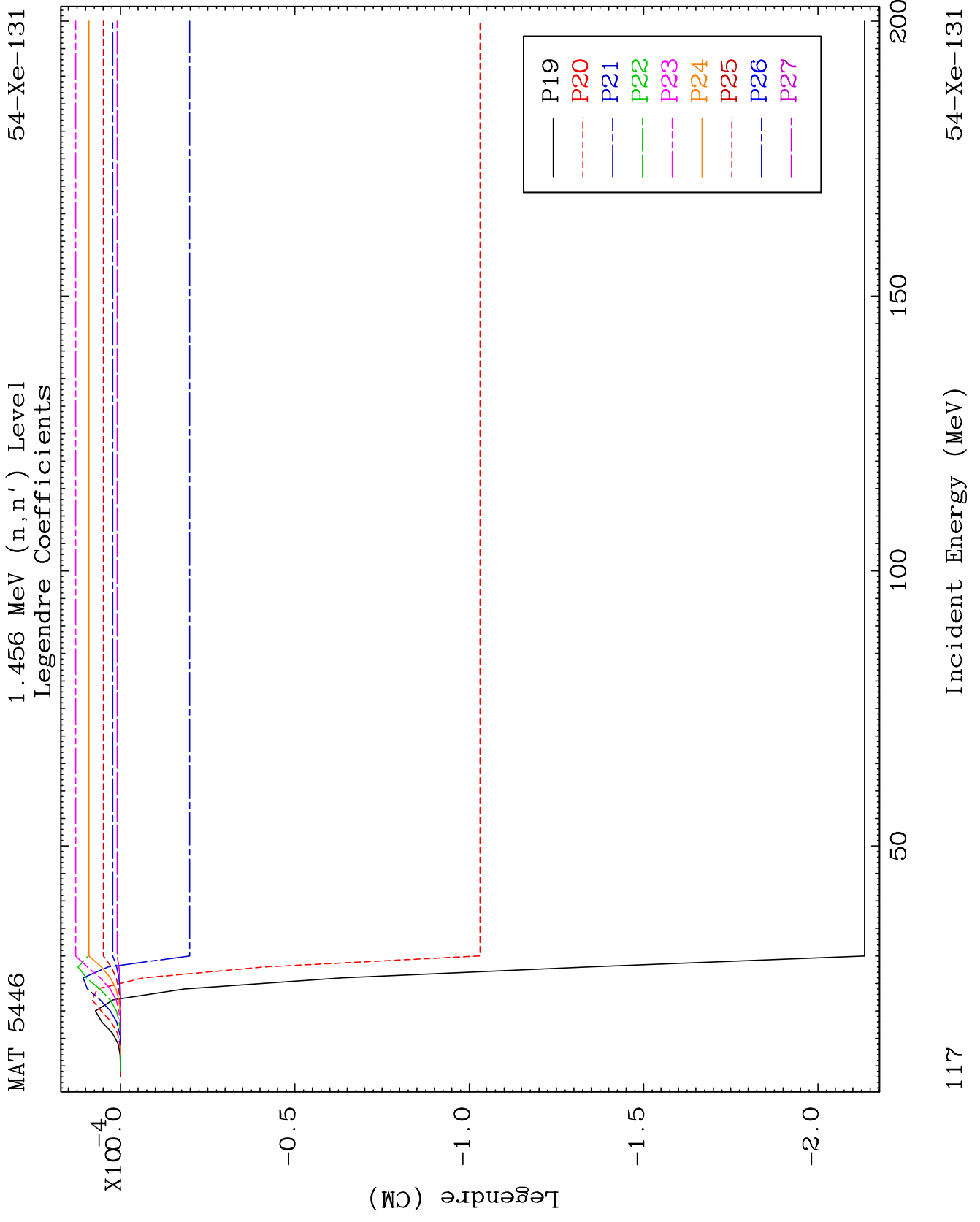
54-Xe-131



116

Incident Energy (MeV)

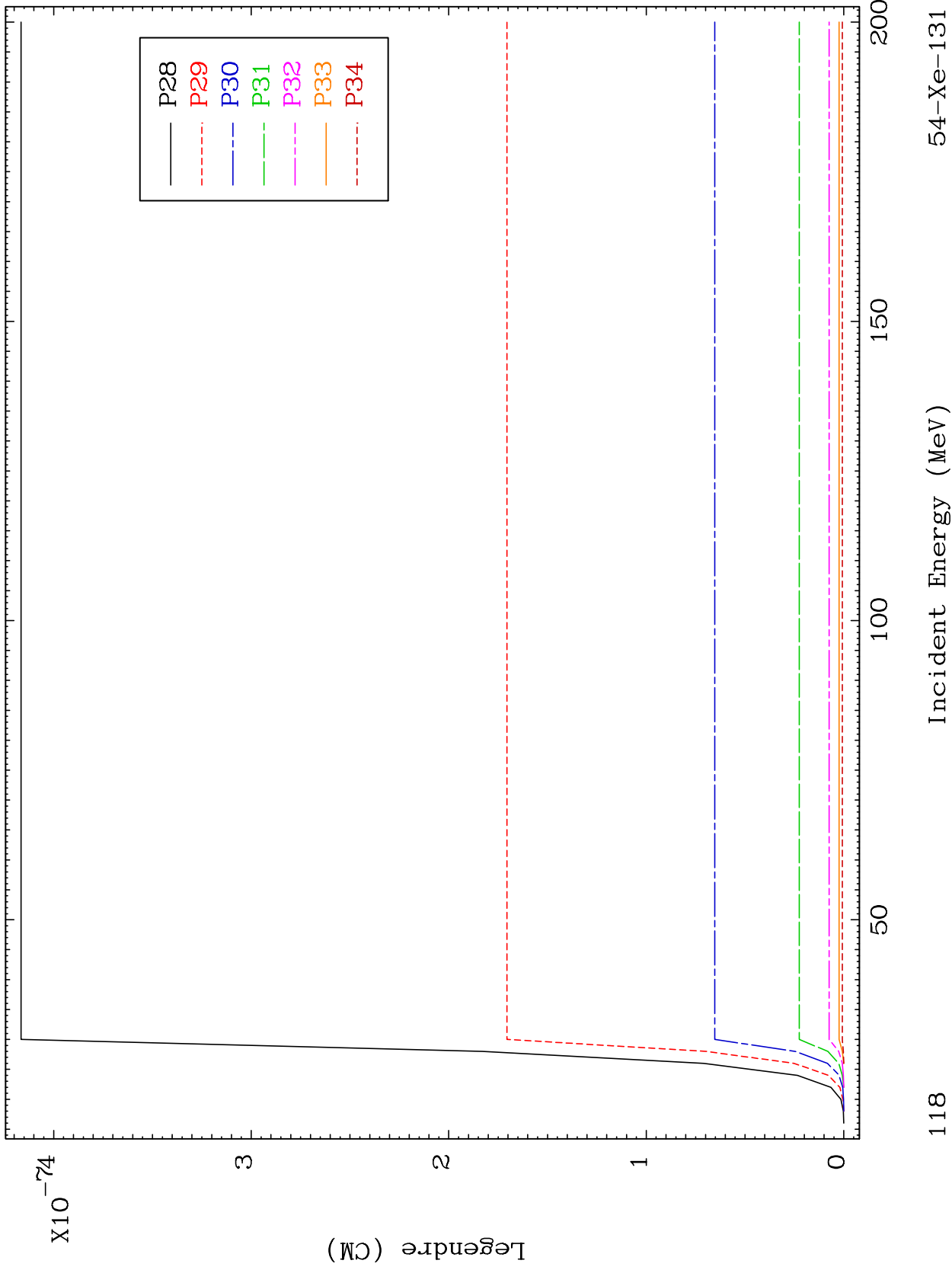
54-Xe-131



MAT 5446

1.456 MeV (n, n') Level  
Legendre Coefficients

54-Xe-131

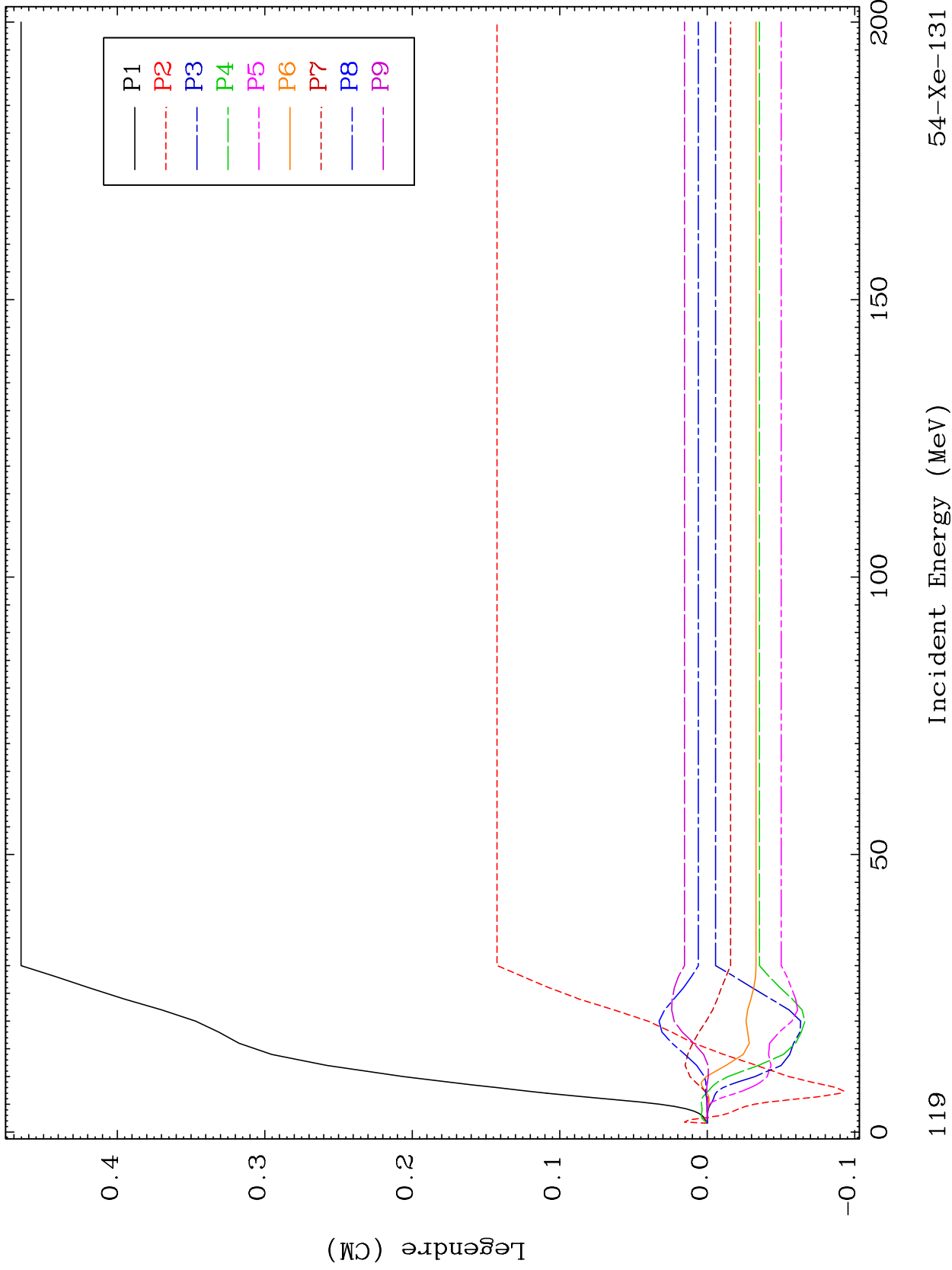


118

MAT 5446

1.584 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

Incident Energy (MeV)

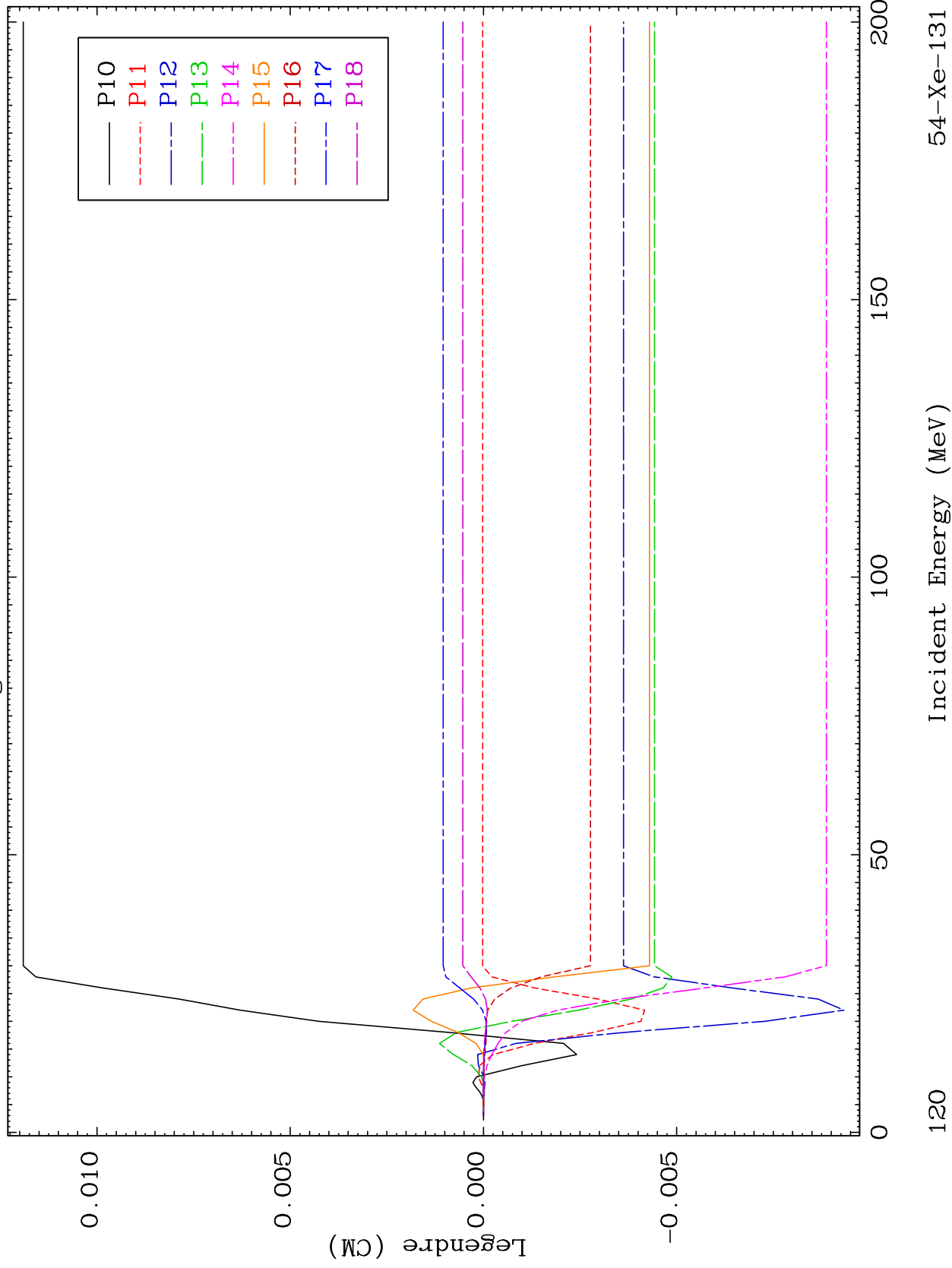
119



MAT 5446

1.584 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

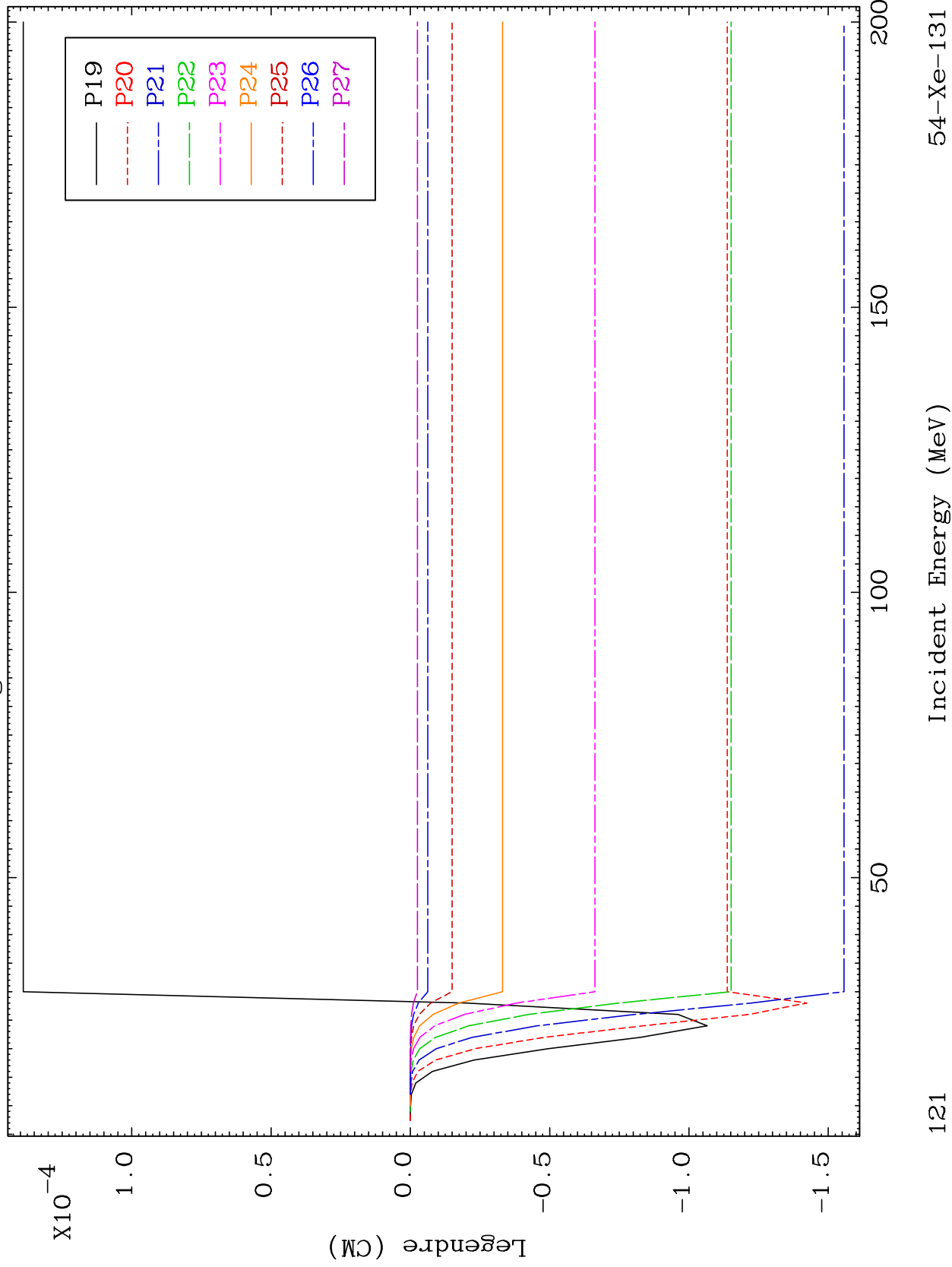
Incident Energy (MeV)

120

MAT 5446

1.584 MeV (n,n') Level  
Legendre Coefficients

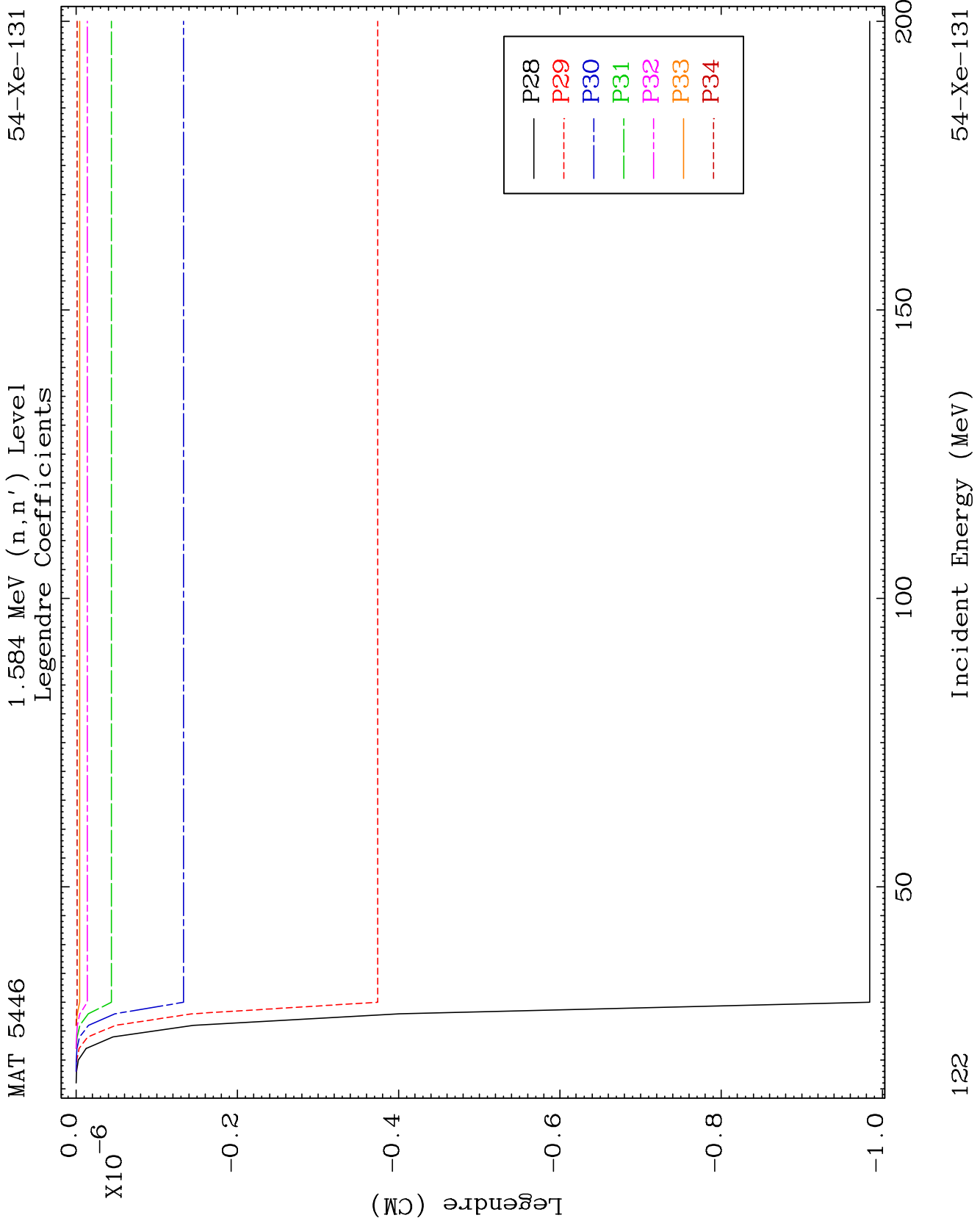
54-Xe-131



121

Incident Energy (MeV)

54-Xe-131

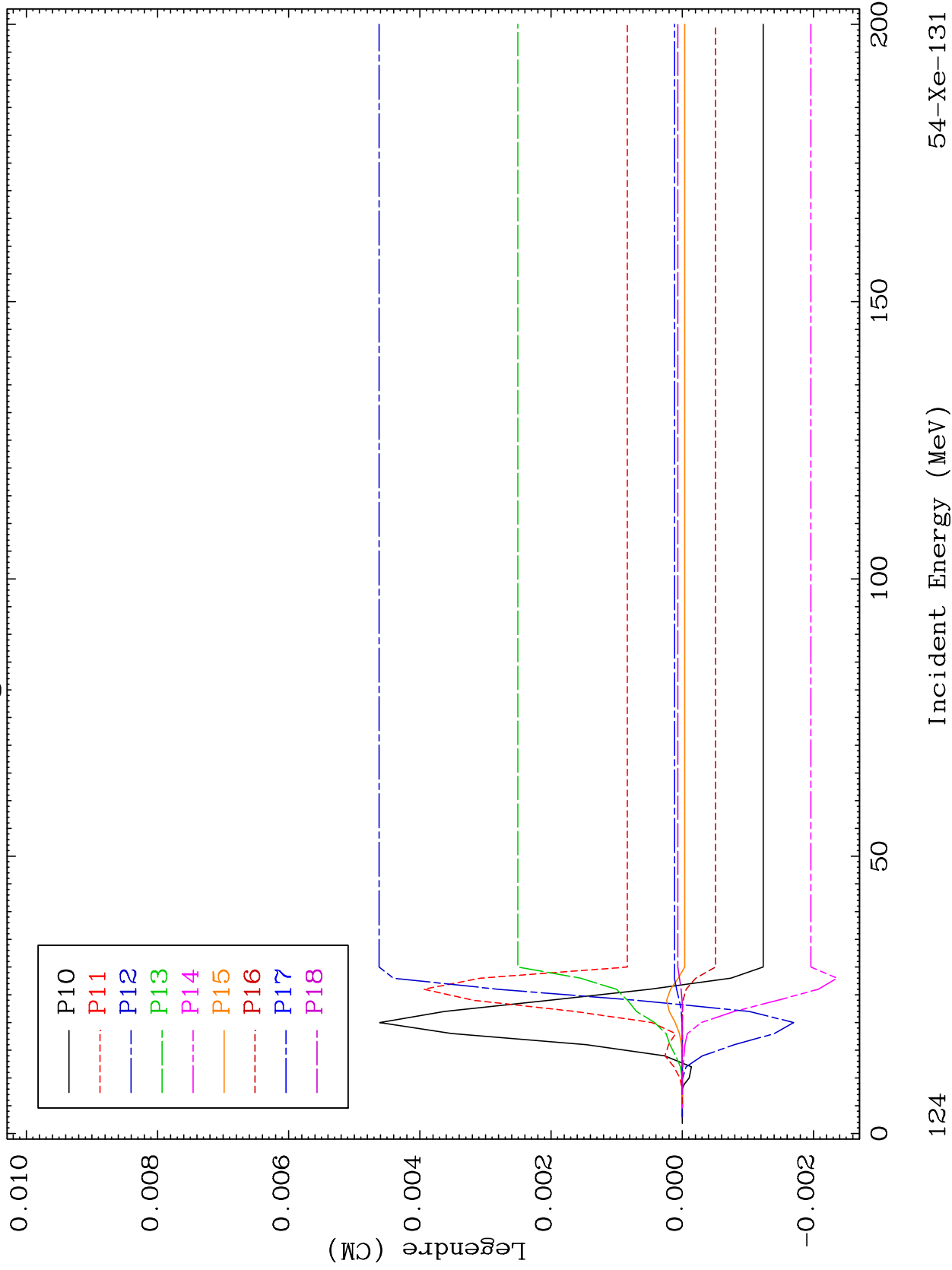




MAT 5446

1.601 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

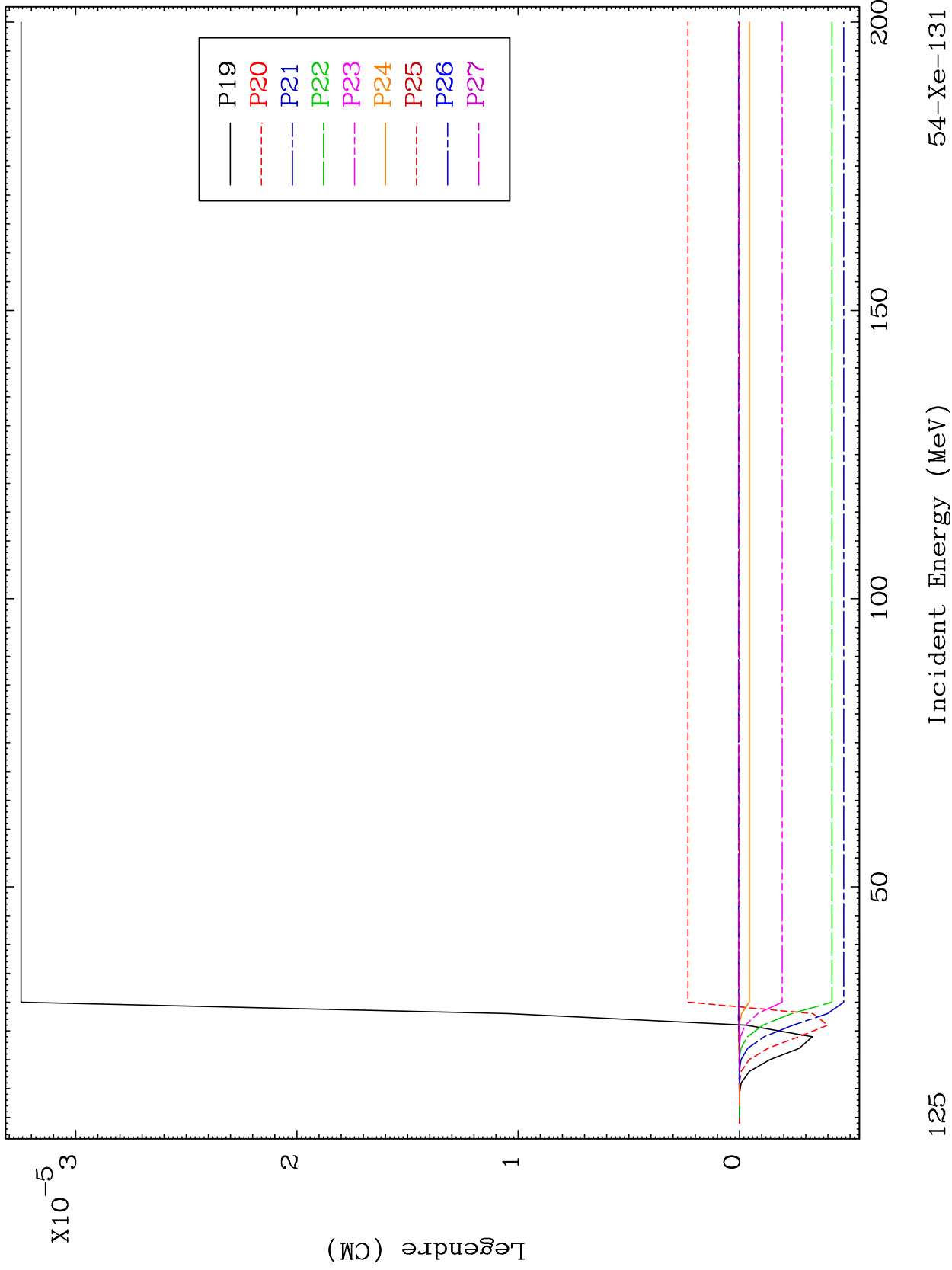
Incident Energy (MeV)

124

MAT 5446

1.601 MeV (n,n') Level  
Legendre Coefficients

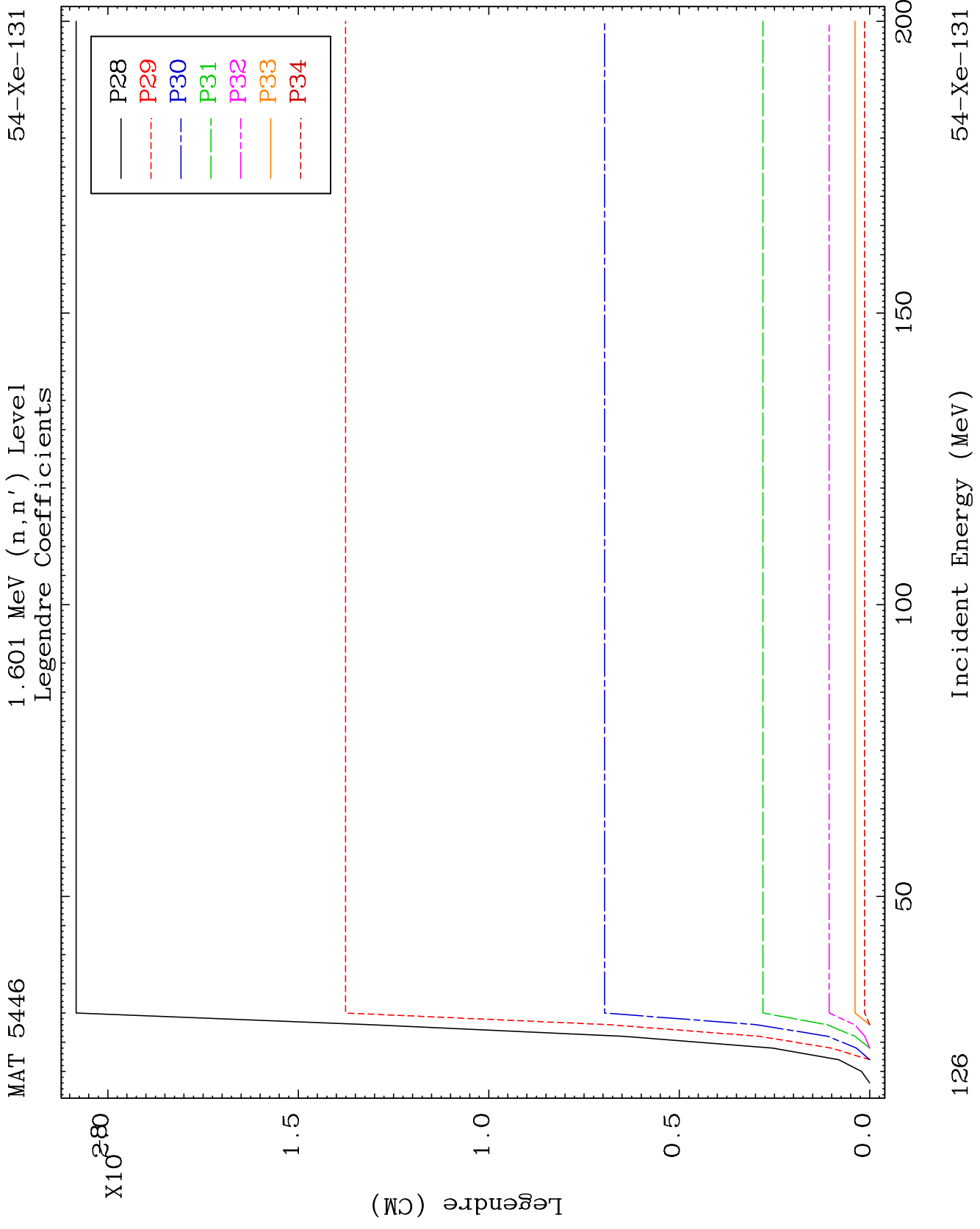
54-Xe-131



125

Incident Energy (MeV)

54-Xe-131



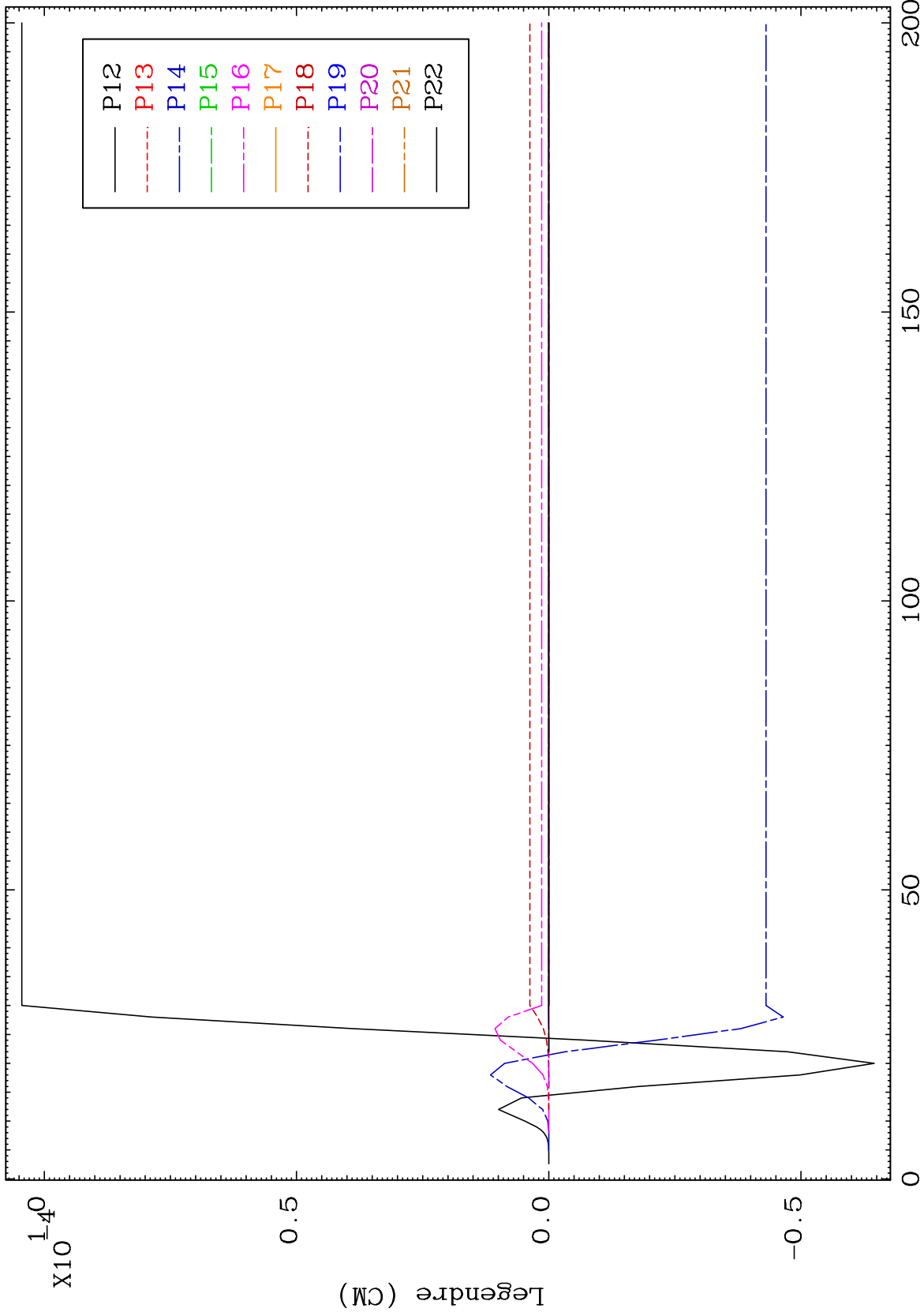




MAT 5446

1.616 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



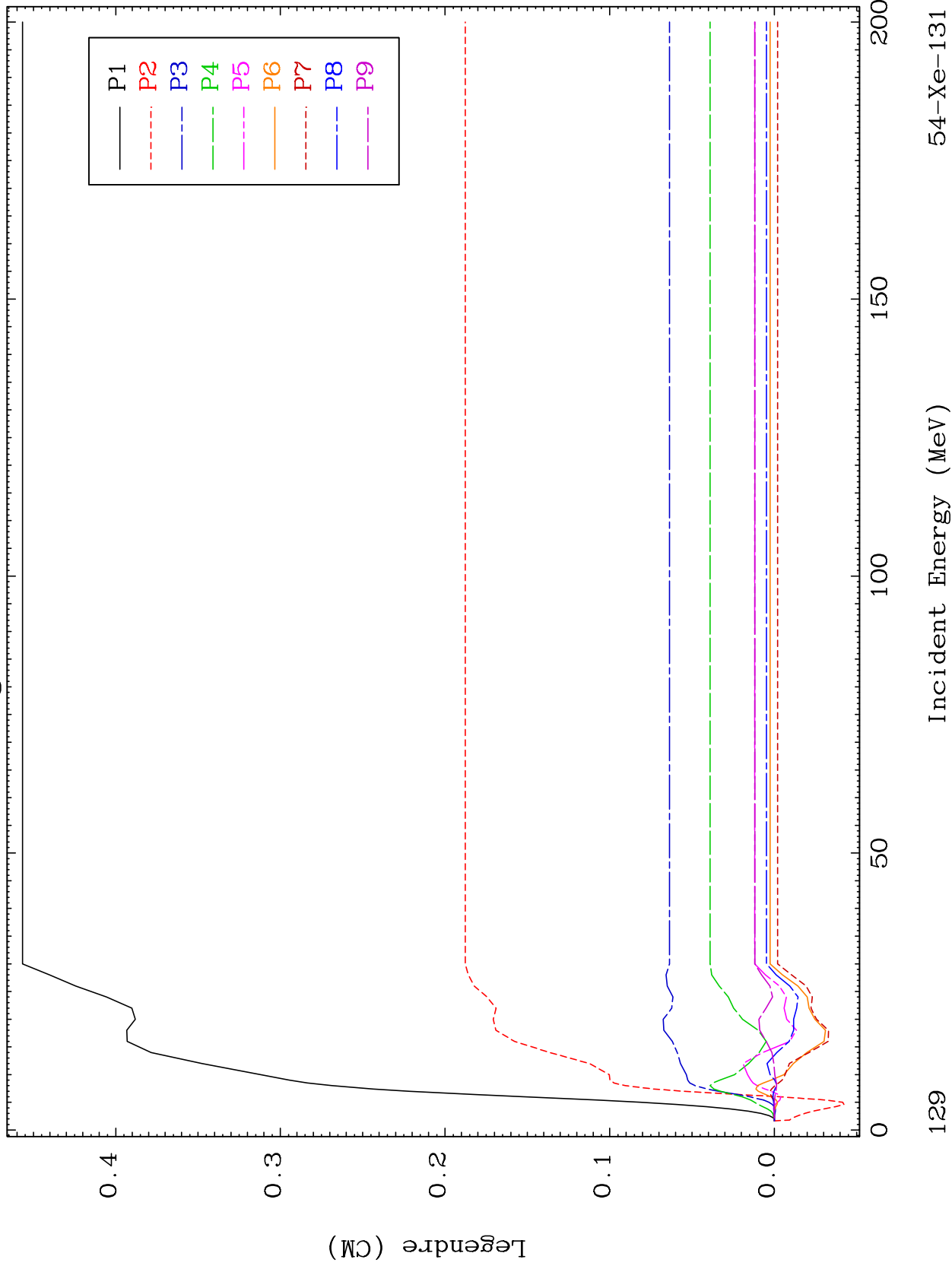
128

54-Xe-131

MAT 5446

1.621 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

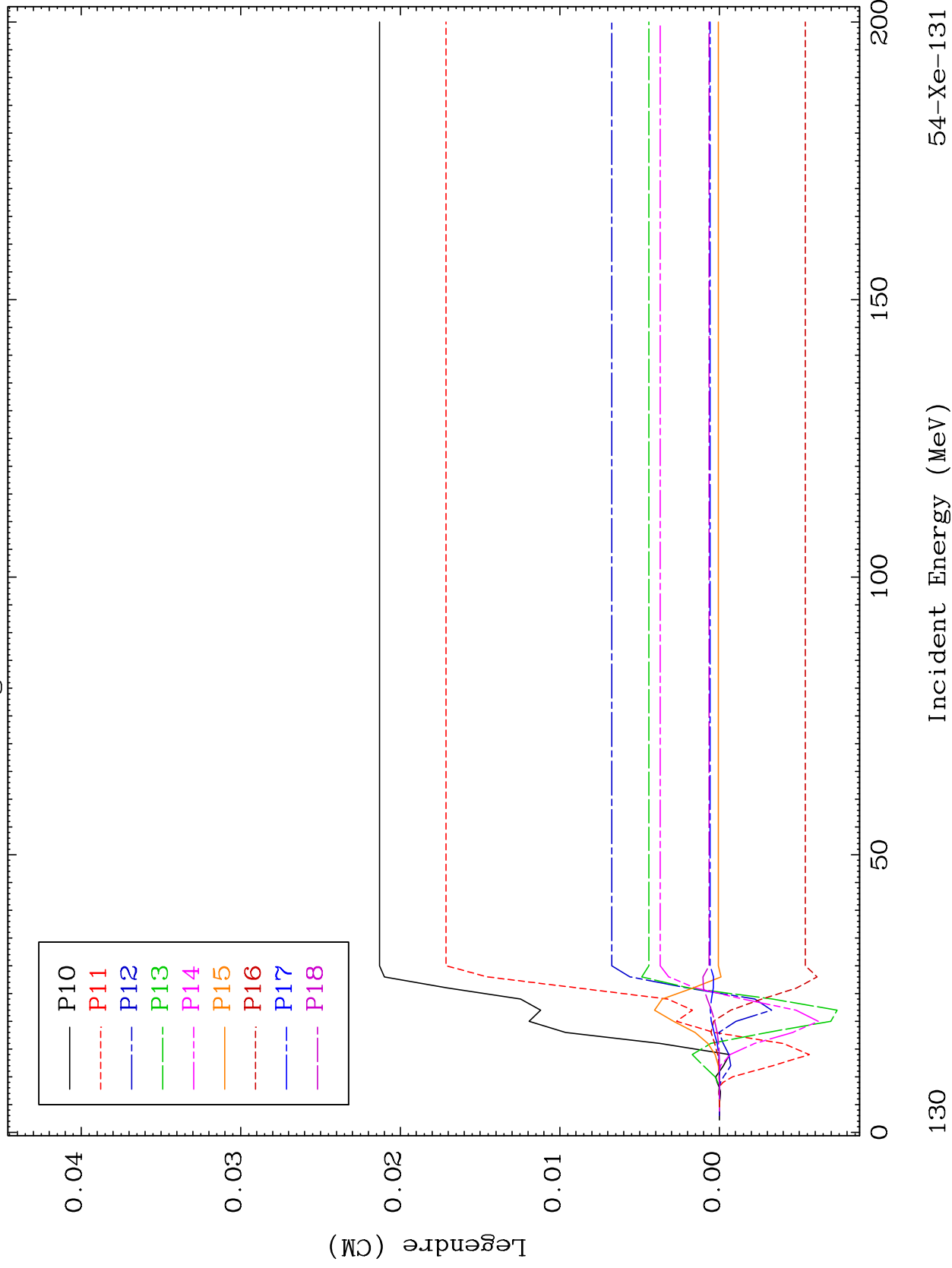
Incident Energy (MeV)

129

MAT 5446

1.621 MeV (n,n') Level  
Legendre Coefficients

54-Xe-131



54-Xe-131

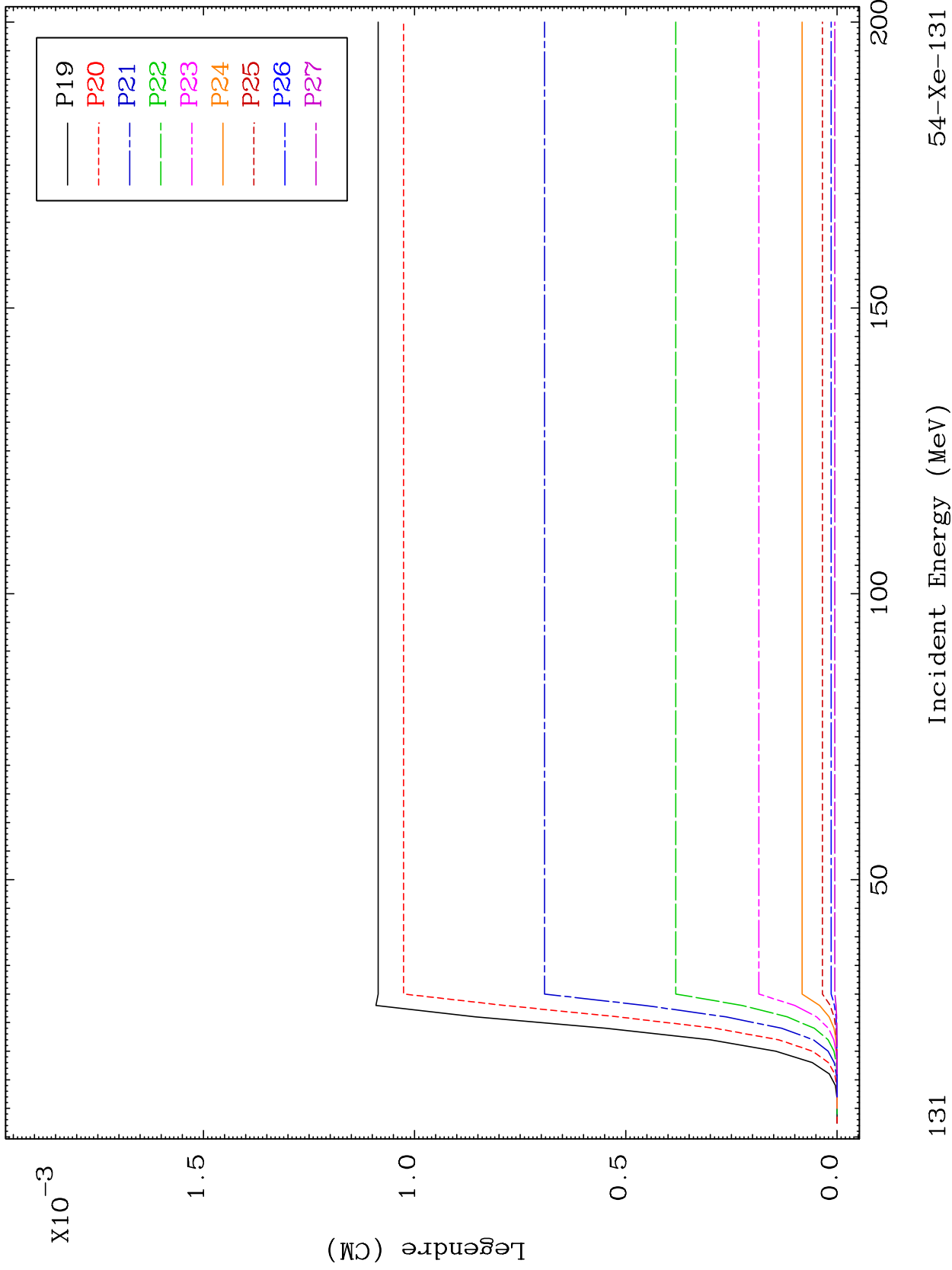
Incident Energy (MeV)

130

MAT 5446

1.621 MeV (n,n') Level  
Legendre Coefficients

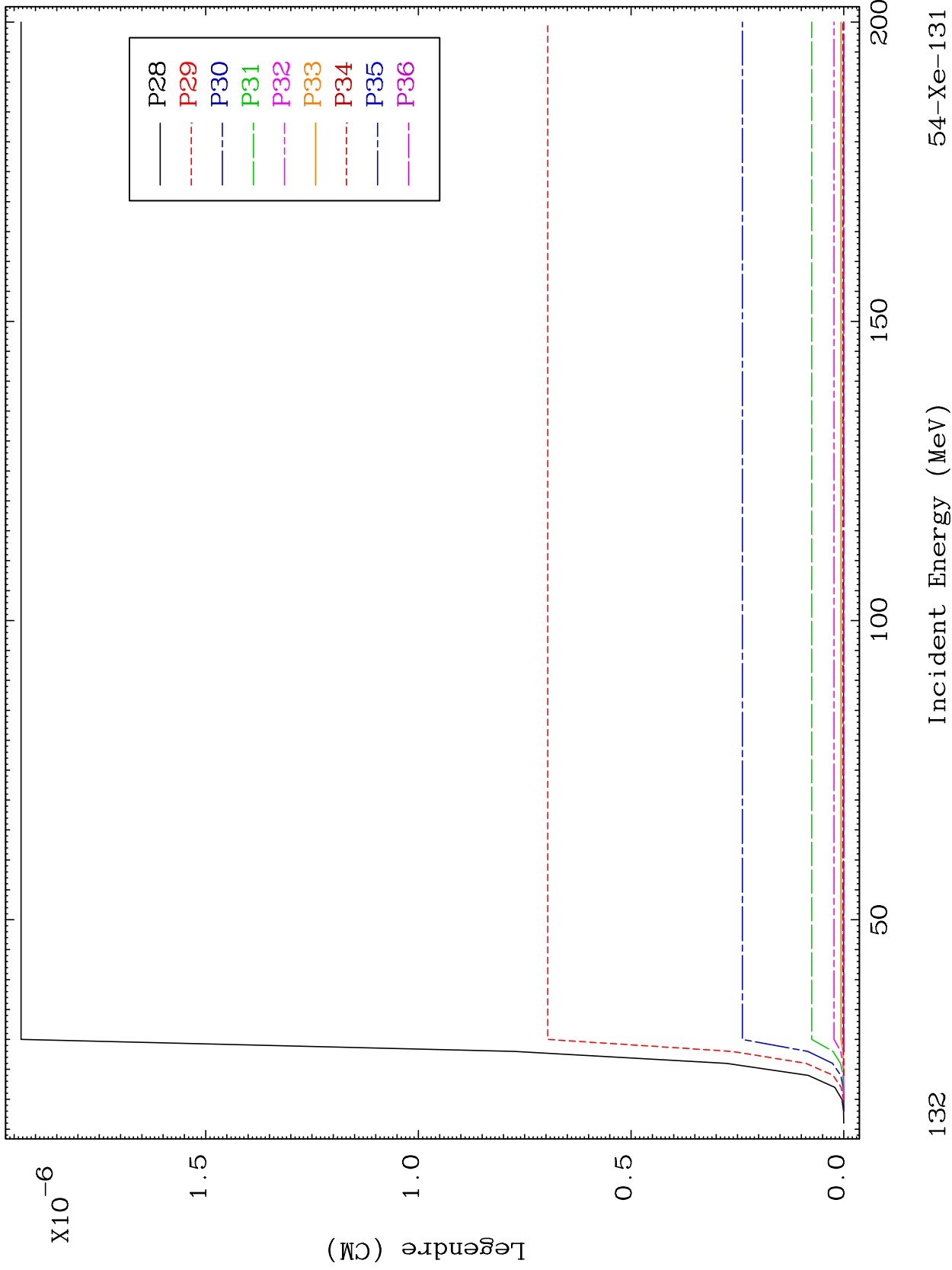
54-Xe-131



MAT 5446

1.621 MeV (n, n') Level  
Legendre Coefficients

54-Xe-131



132

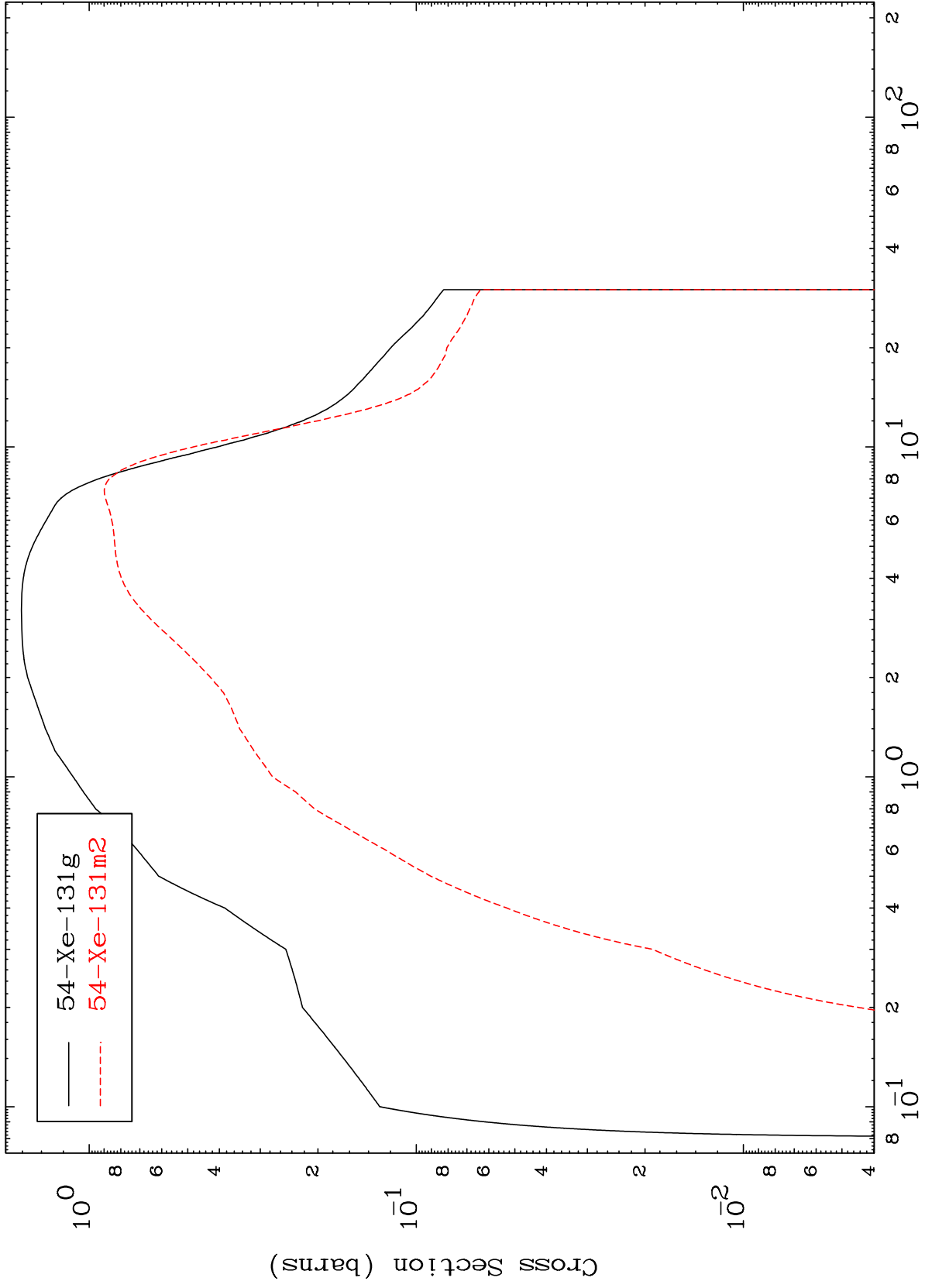
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

Radionuclide Production Cross Section



54-Xe-131g  
54-Xe-131m2

54-Xe-131

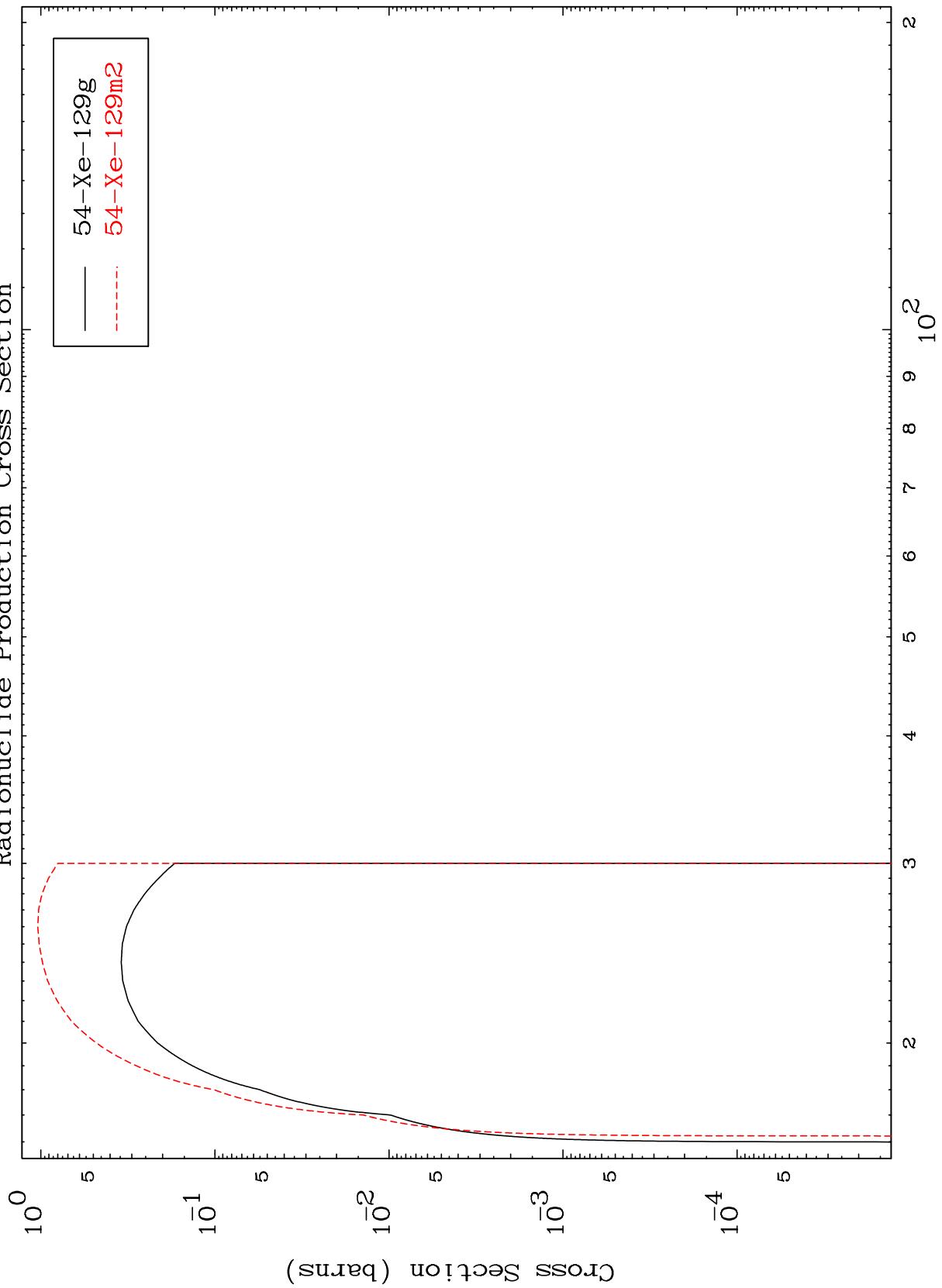
Incident Energy (MeV)

133

MAT 5446

54-Xe-131

(n,3n)  
Radionuclide Production Cross Section



134

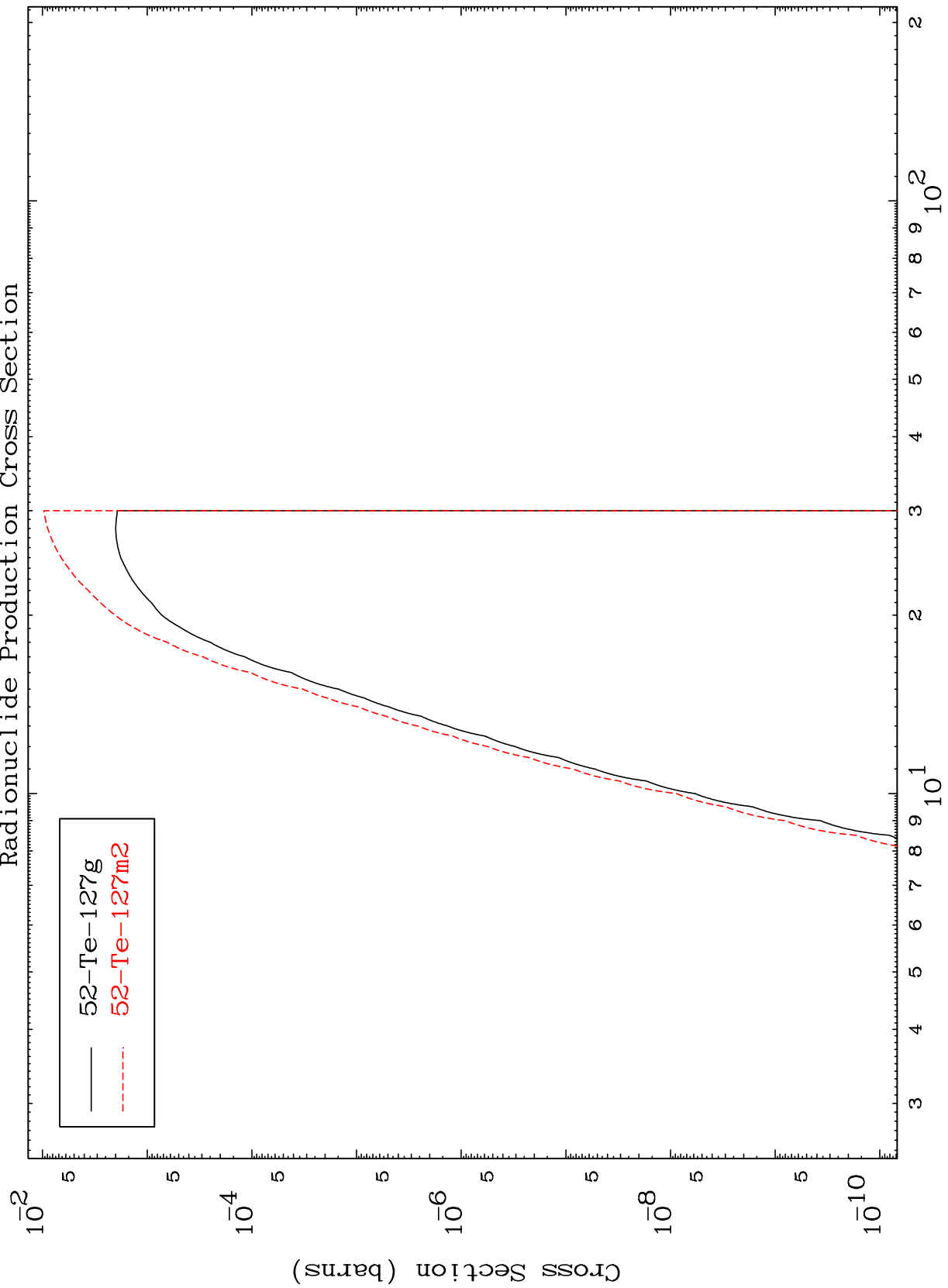
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-131

135

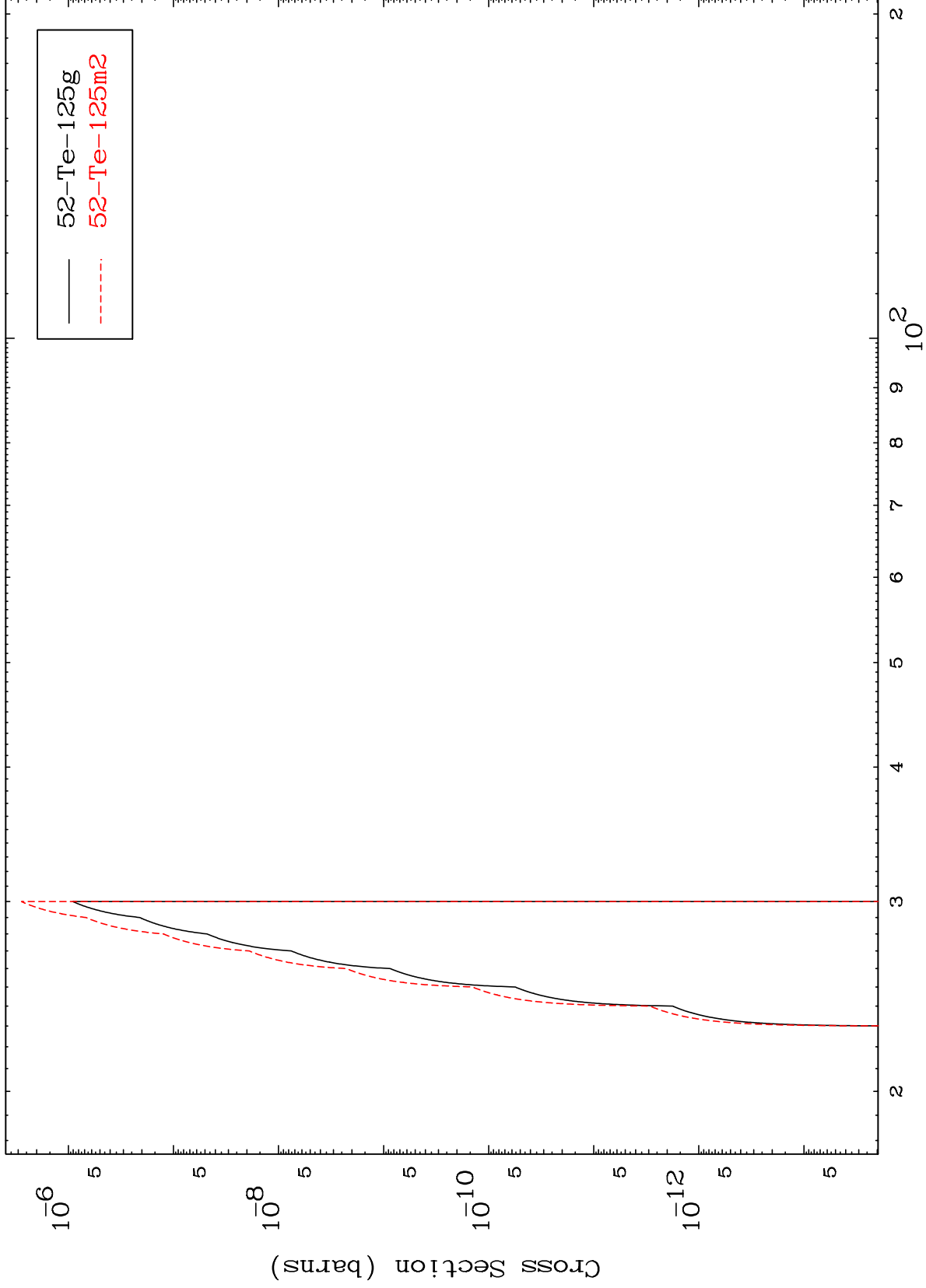


MAT 5446

(n,3n)  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



136

Incident Energy (MeV)

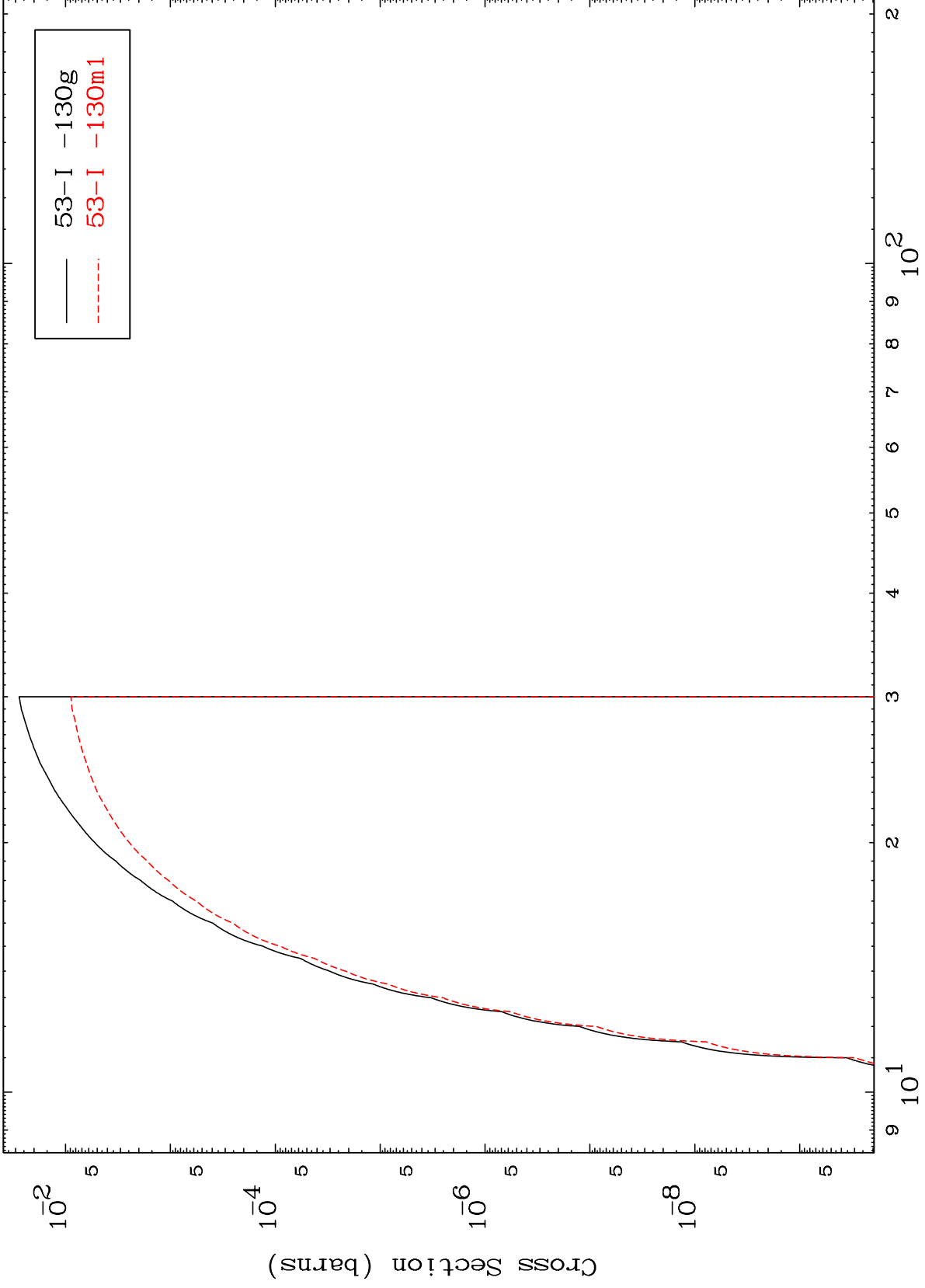
54-Xe-131

MAT 5446

(n,n') p

54-Xe-131

Radionuclide Production Cross Section



137

Incident Energy (MeV)

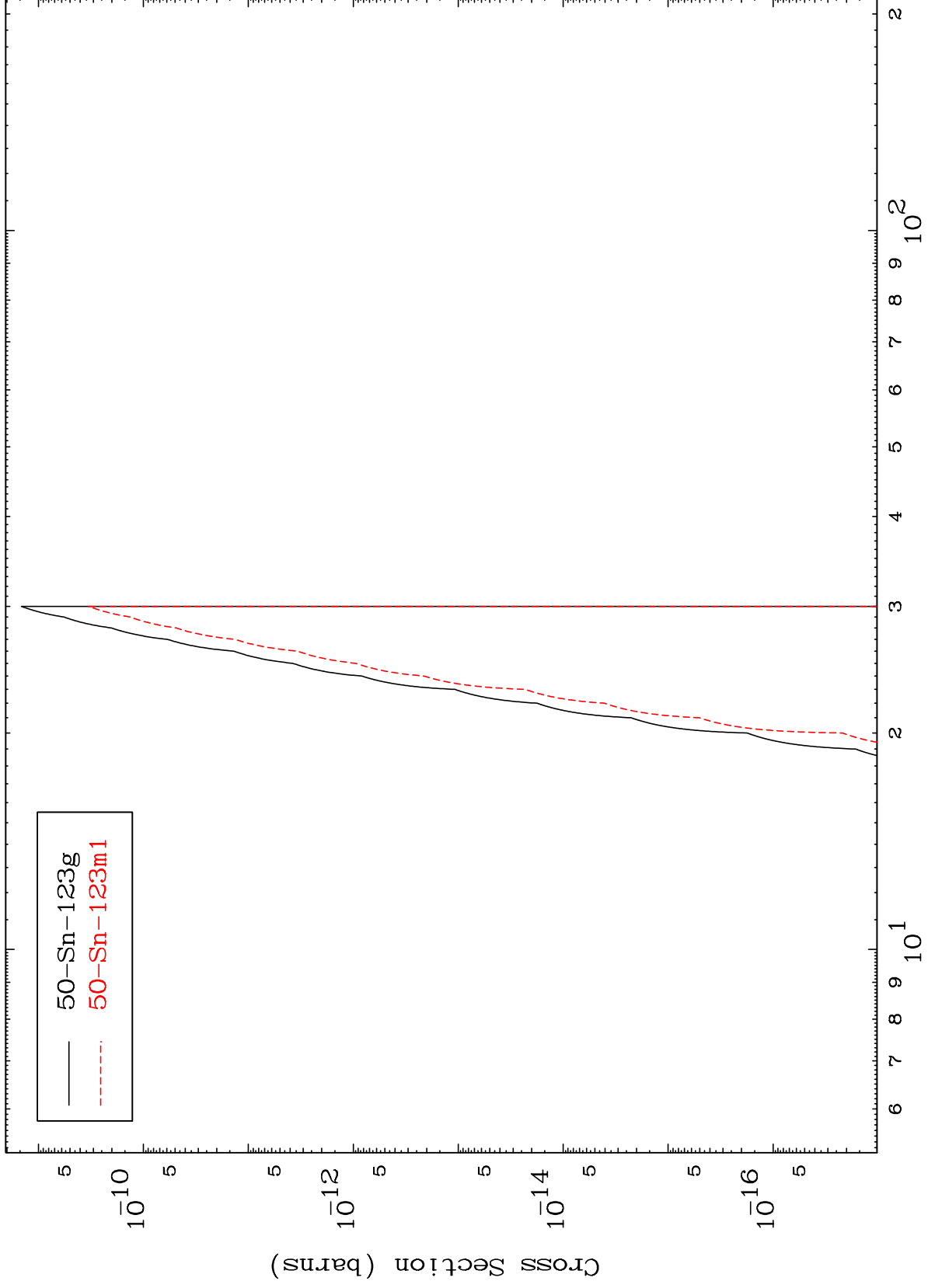
54-Xe-131

MAT 5446

(n,n') 2 $\alpha$

54-Xe-131

Radionuclide Production Cross Section

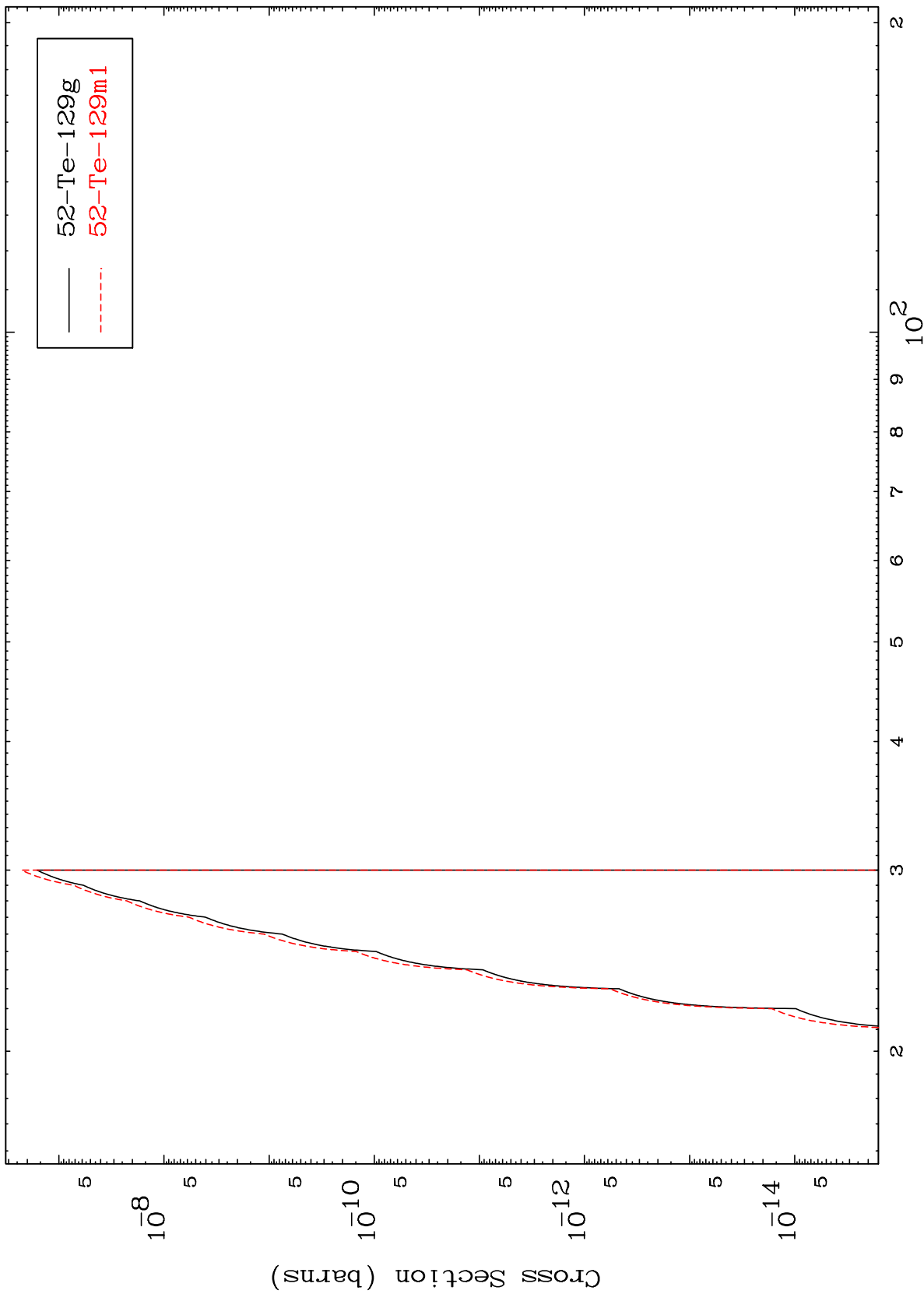


138

Incident Energy (MeV)

54-Xe-131

(n,2n) p  
Radionuclide Production Cross Section

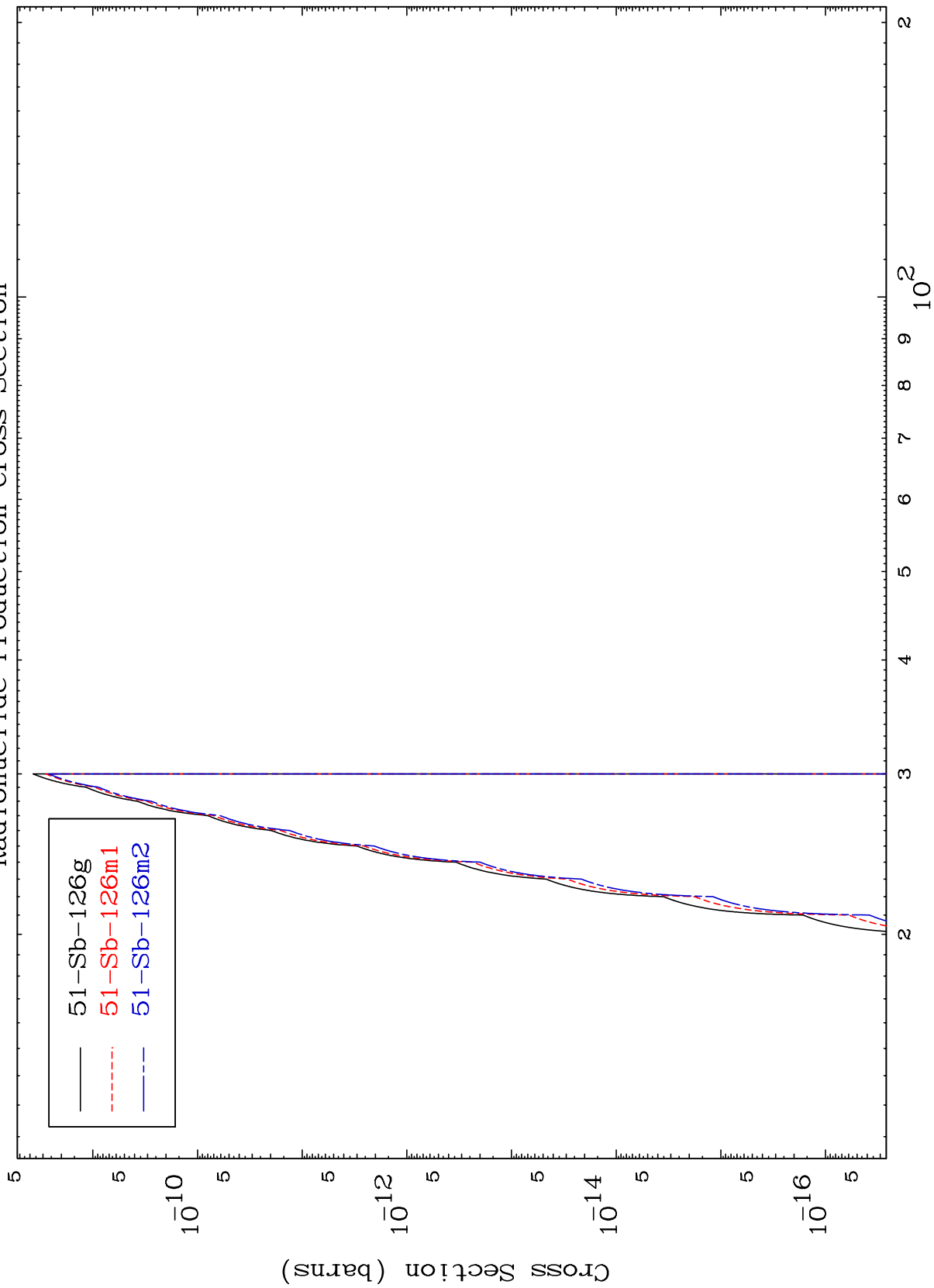


MAT 5446

(n,n') p  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



140

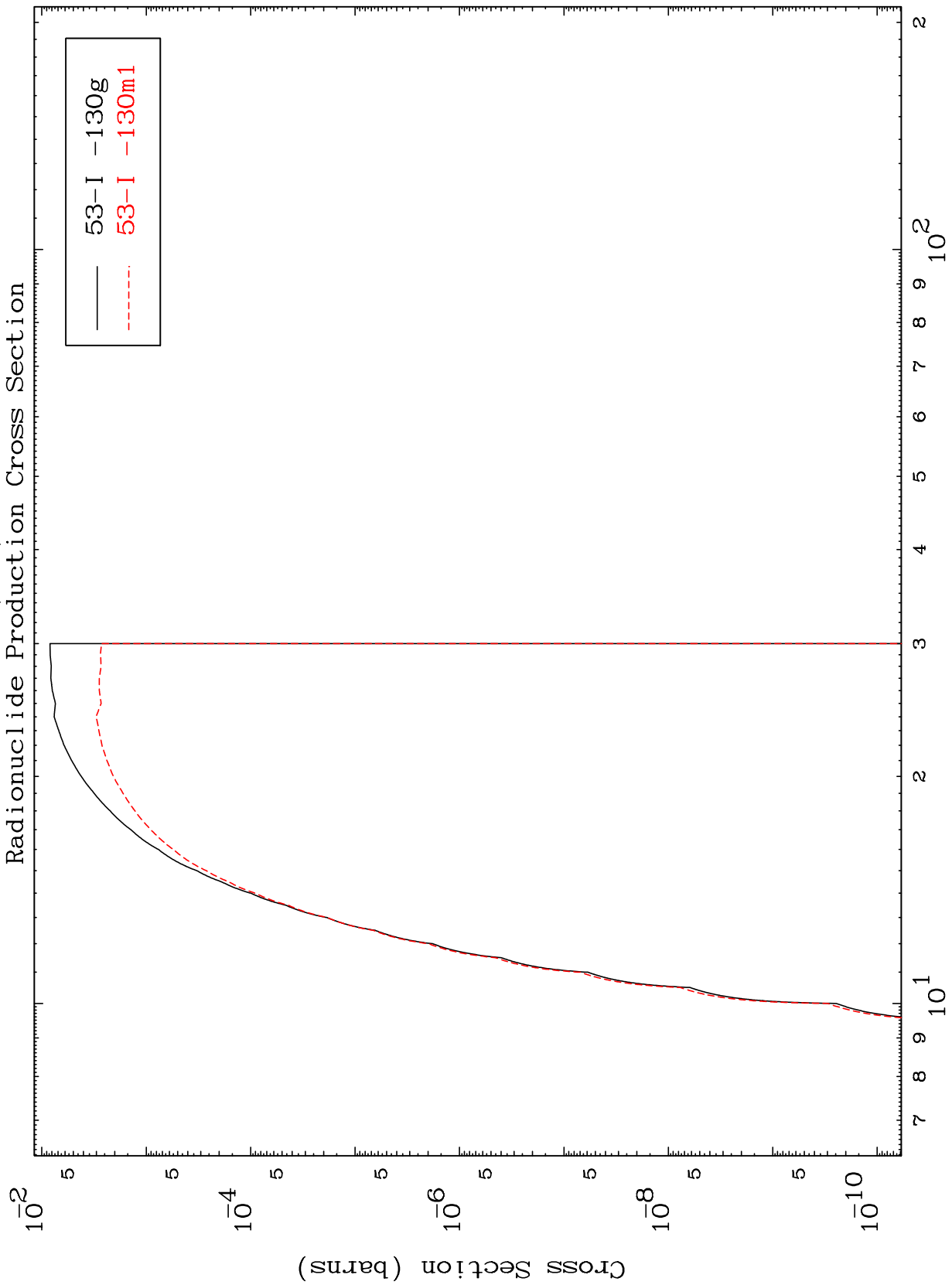
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(n,d)  
Radionuclide Production Cross Section



141

54-Xe-131

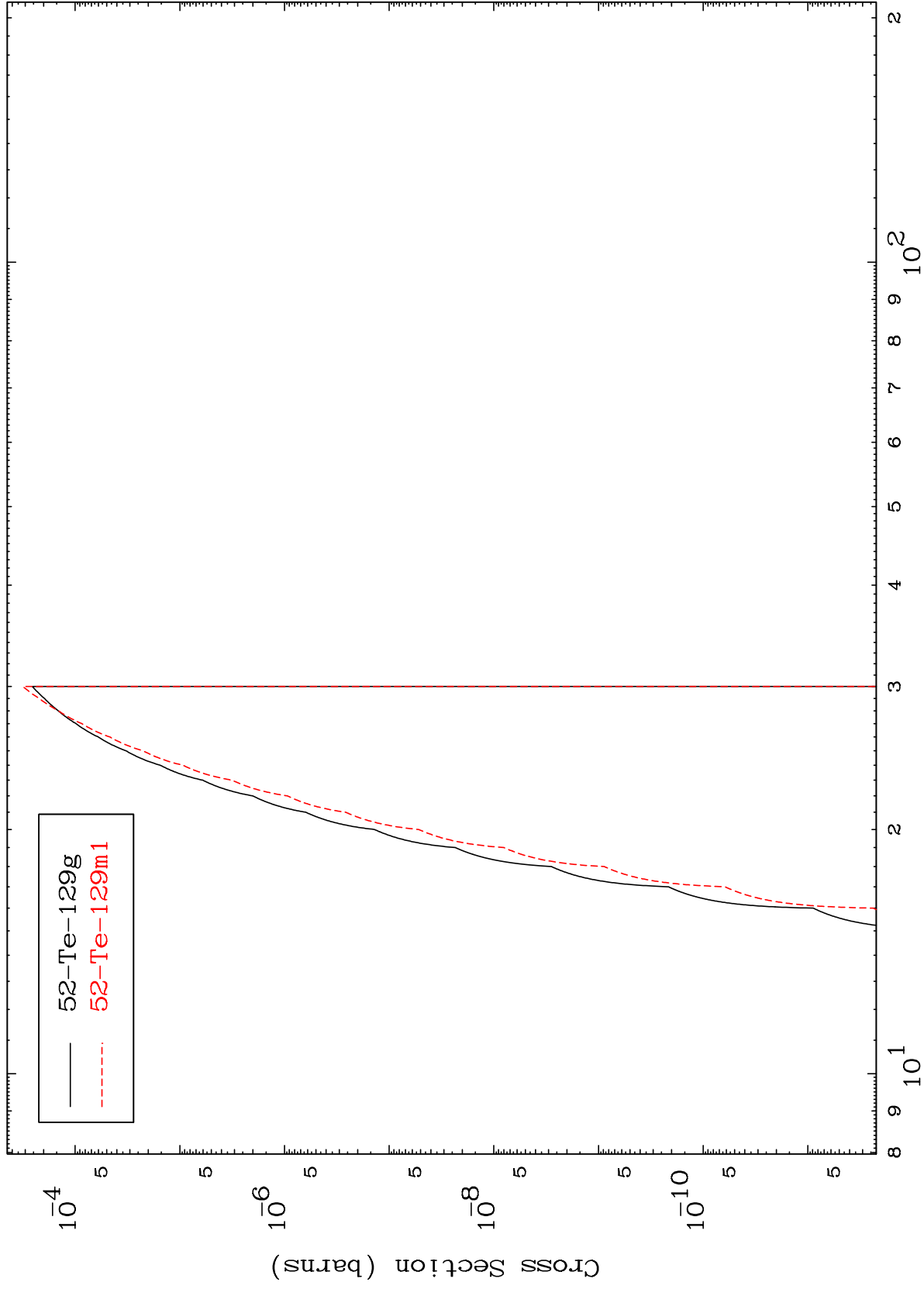
Incident Energy (MeV)

MAT 5446

(n,He-3)

54-Xe-131

Radionuclide Production Cross Section



142

Incident Energy (MeV)

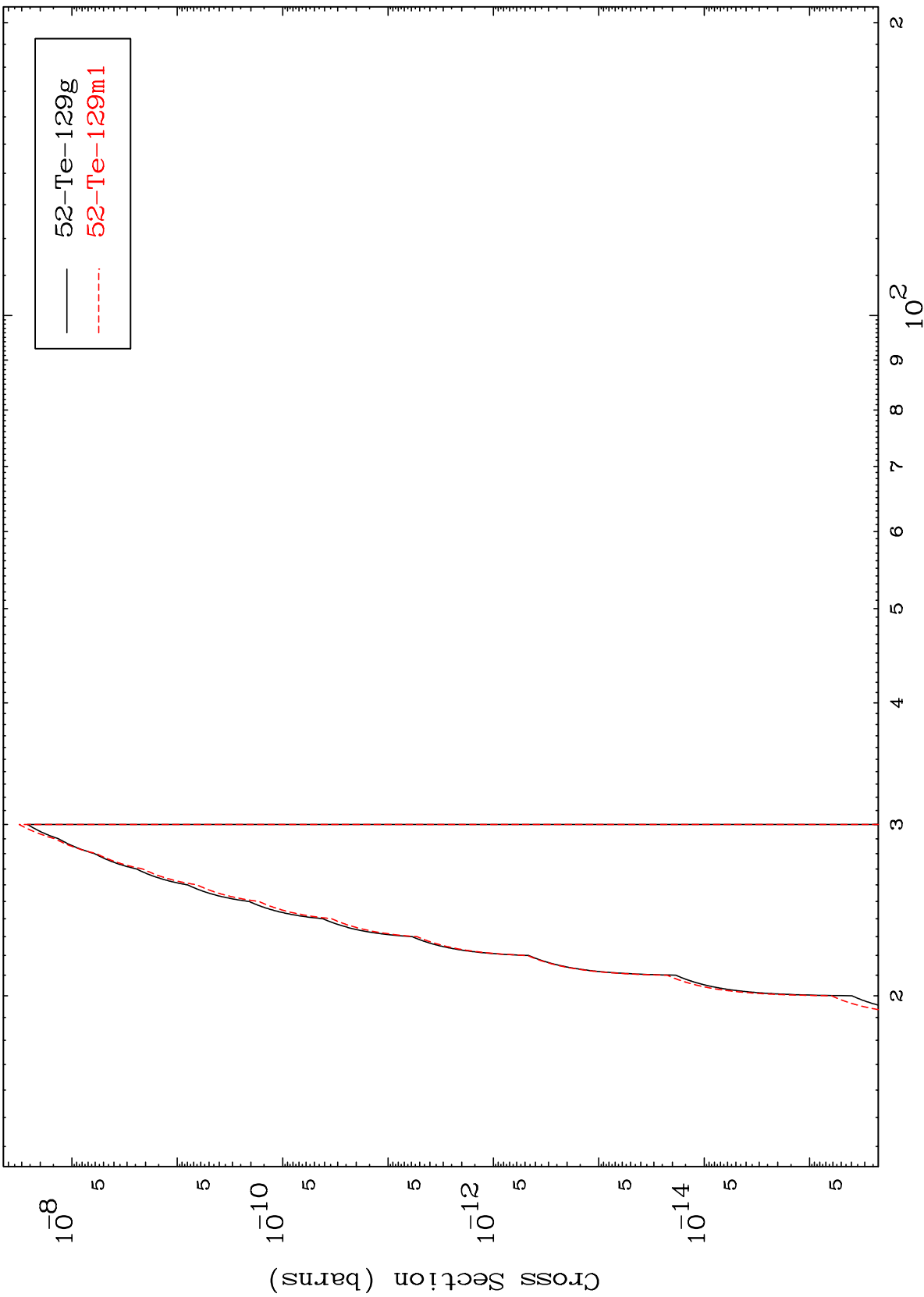
54-Xe-131

MAT 5446

(n,p) d

54-Xe-131

Radionuclide Production Cross Section



143

Incident Energy (MeV)

54-Xe-131



MAT 5446

(n,d)  $\alpha$

54-Xe-131

