

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

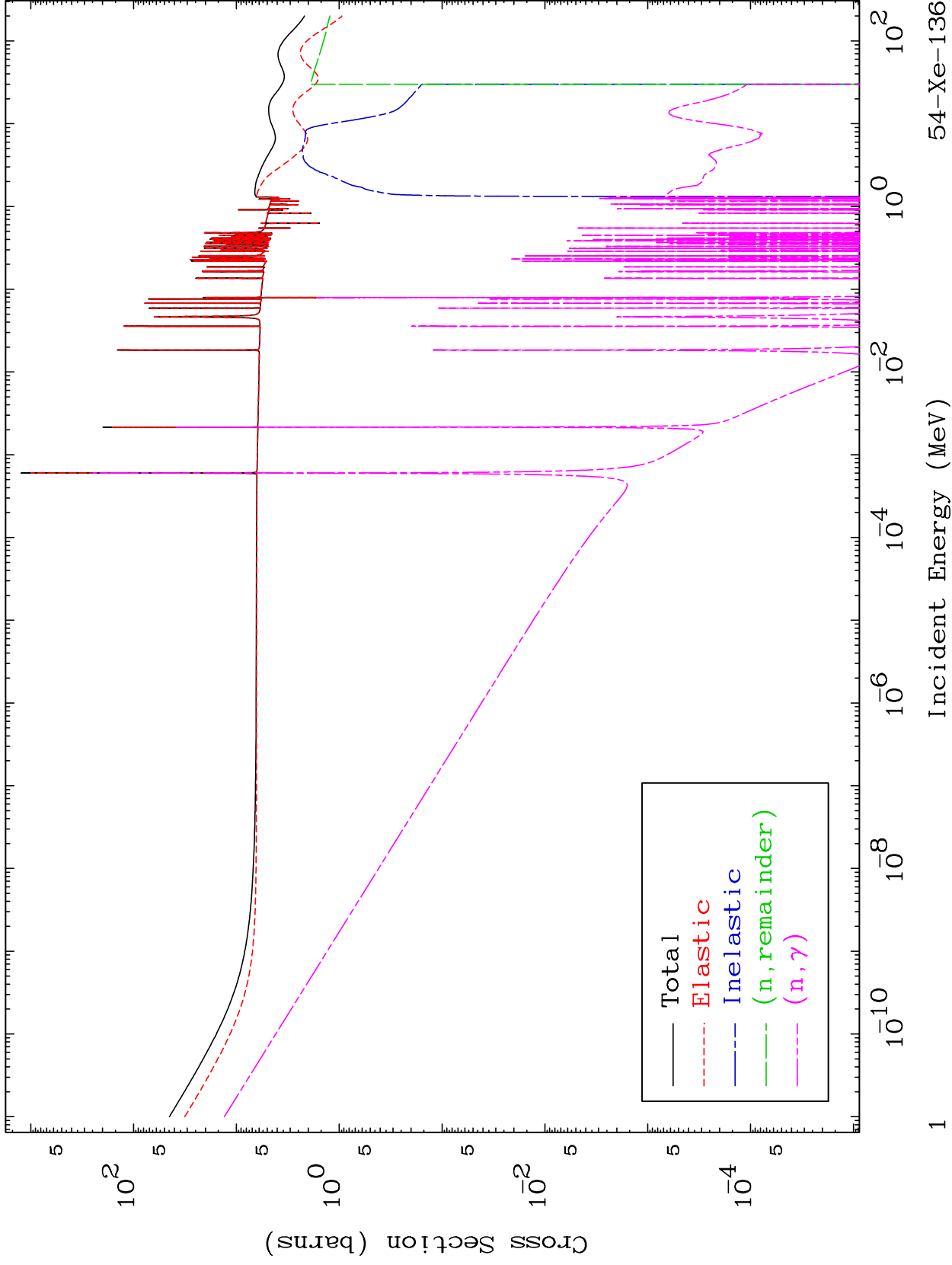
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

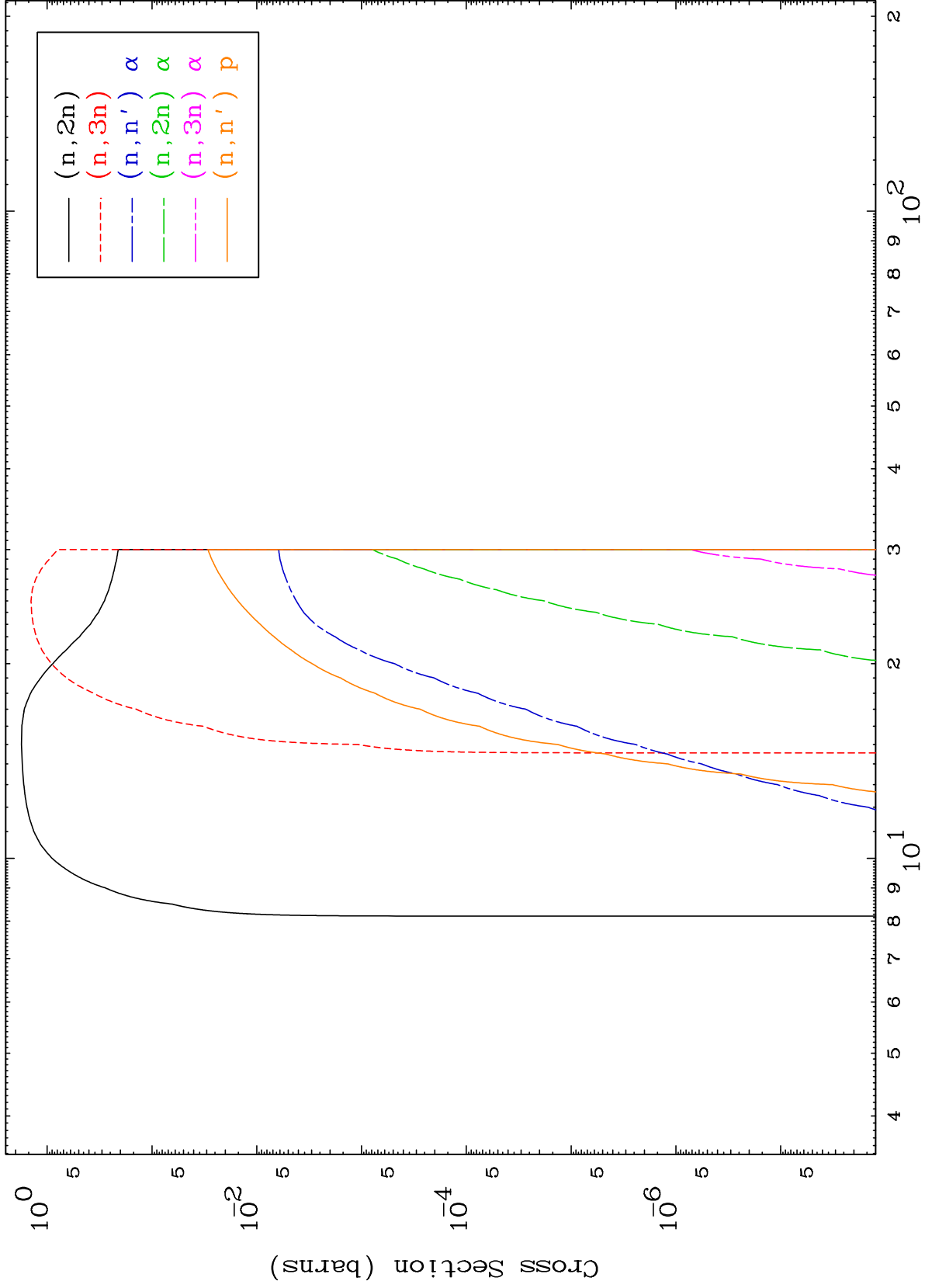
MAT 5461

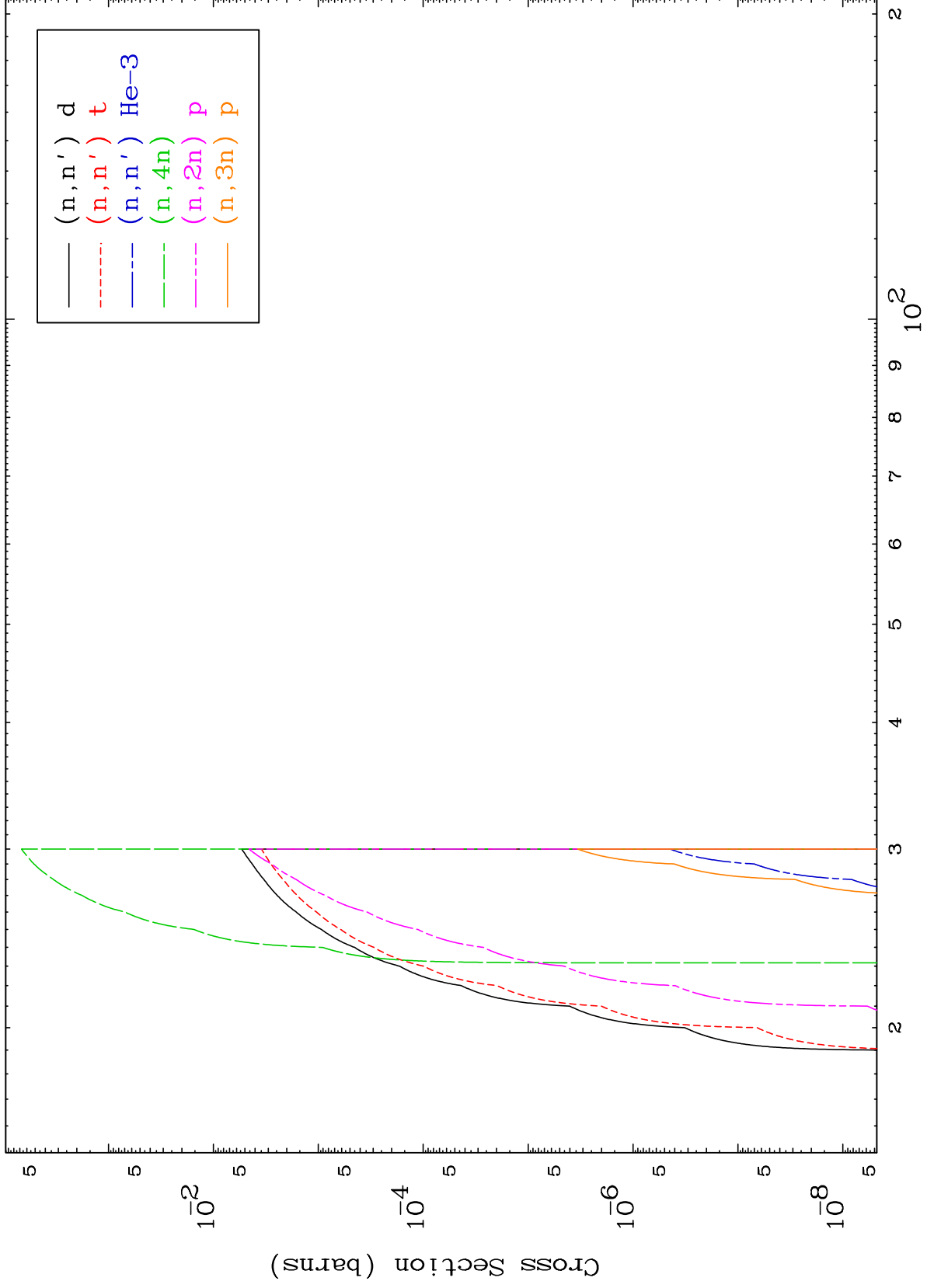
Major  
293 Kelvin Cross Sections

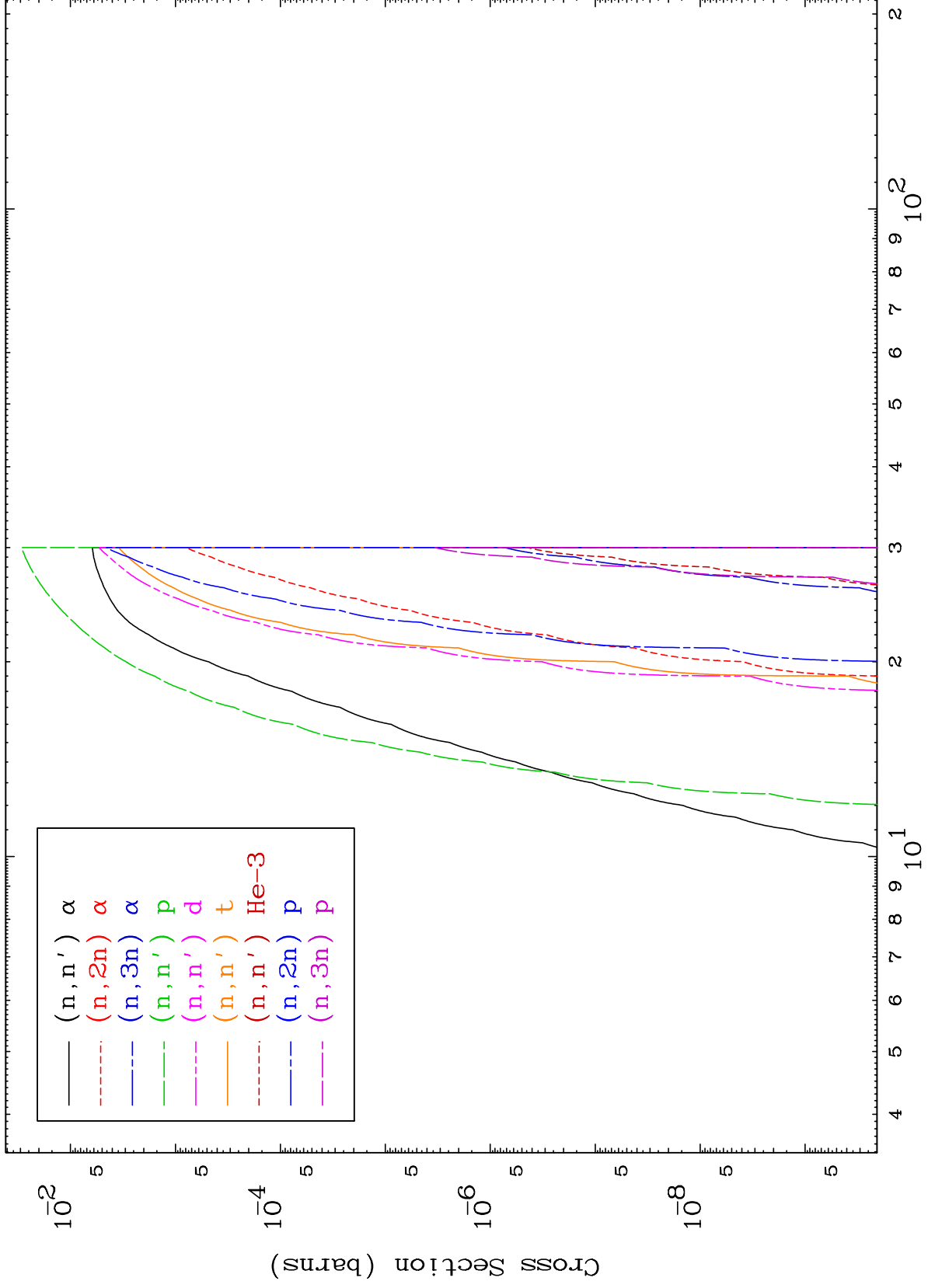
54-Xe-136



Neutron Production  
293 Kelvin Cross Sections



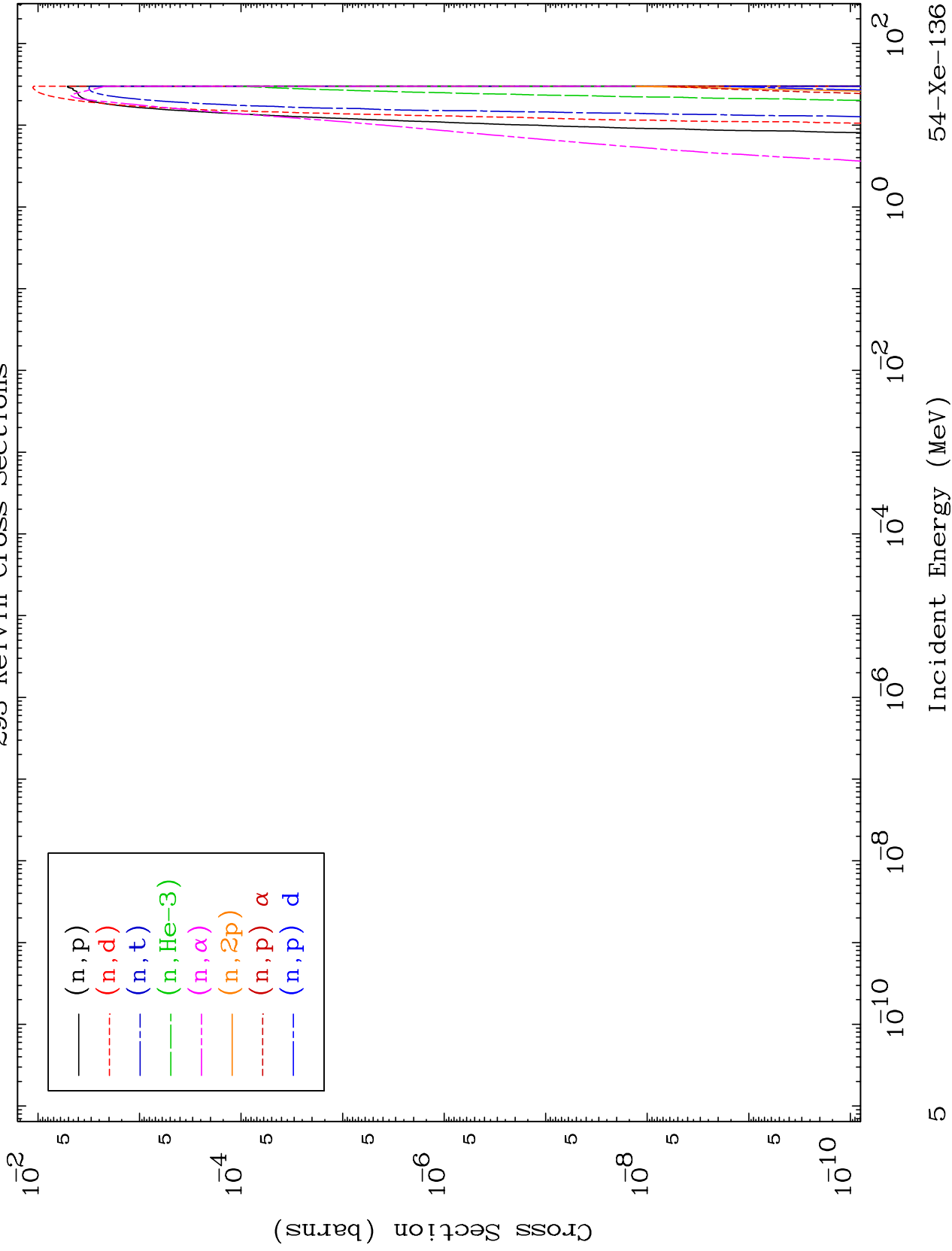




MAT 5461

Charged Particle  
293 Kelvin Cross Sections

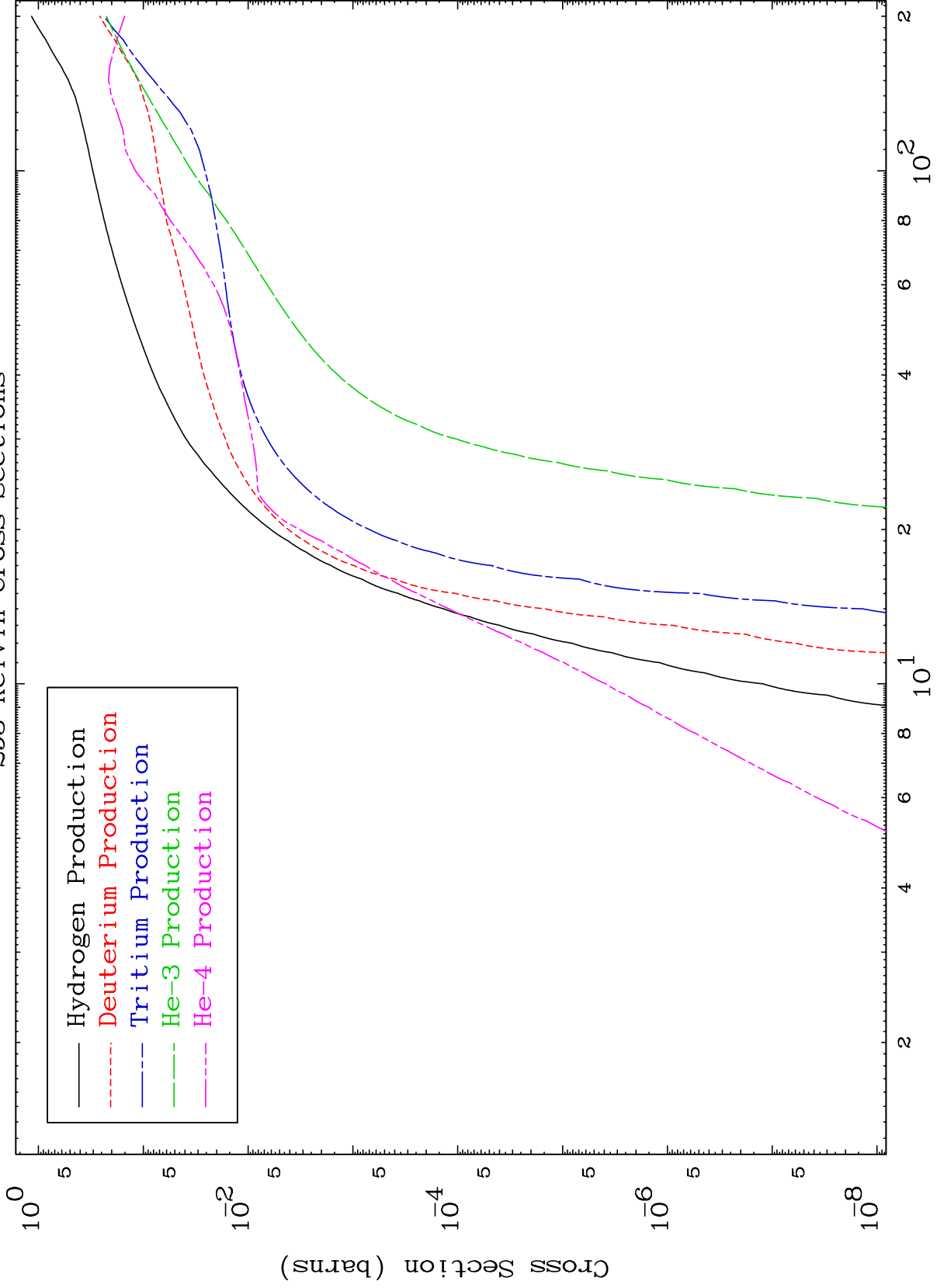
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Particle Production  
293 Kelvin Cross Sections

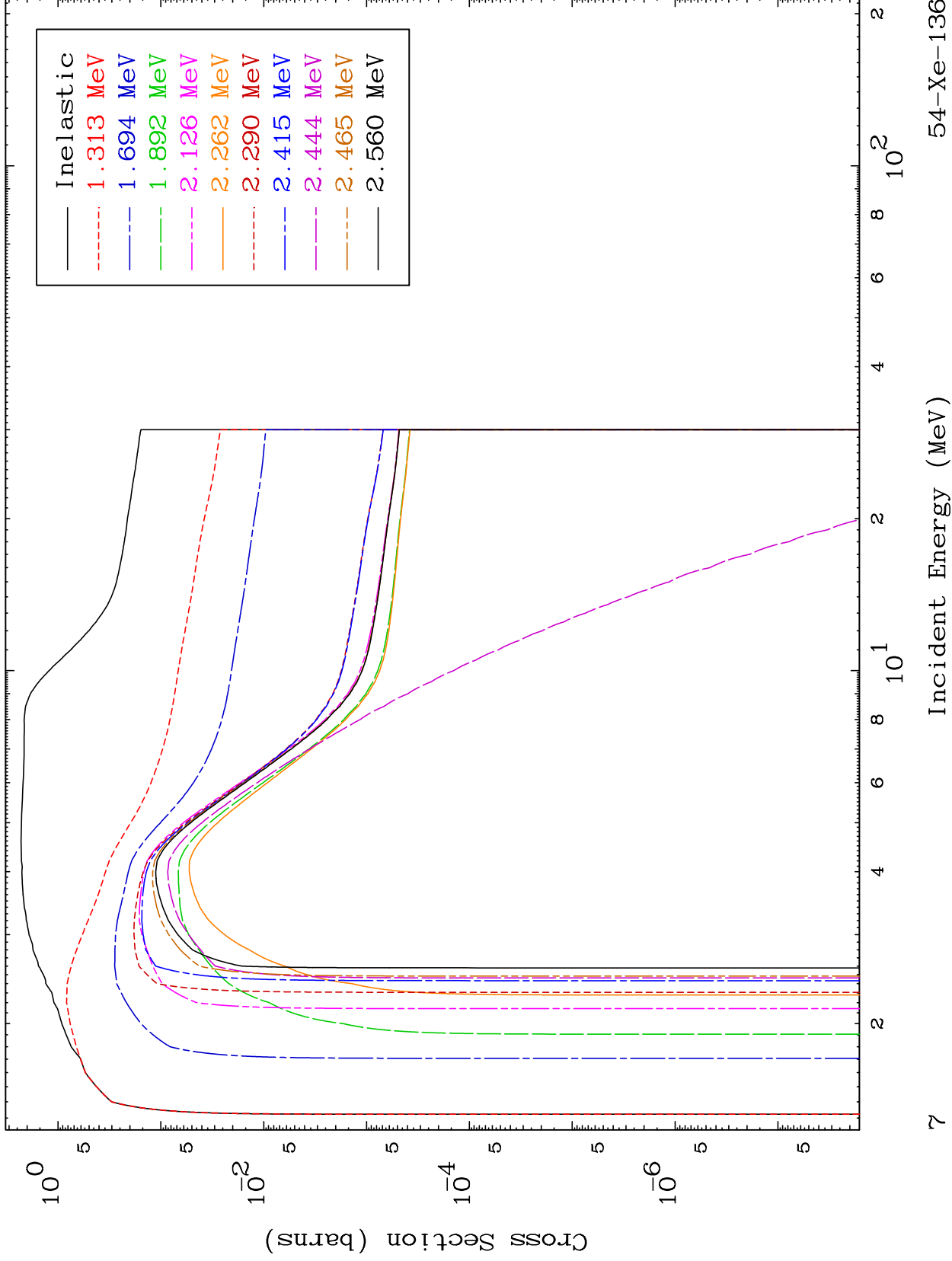
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Incident Energy (MeV)

54-Xe-136

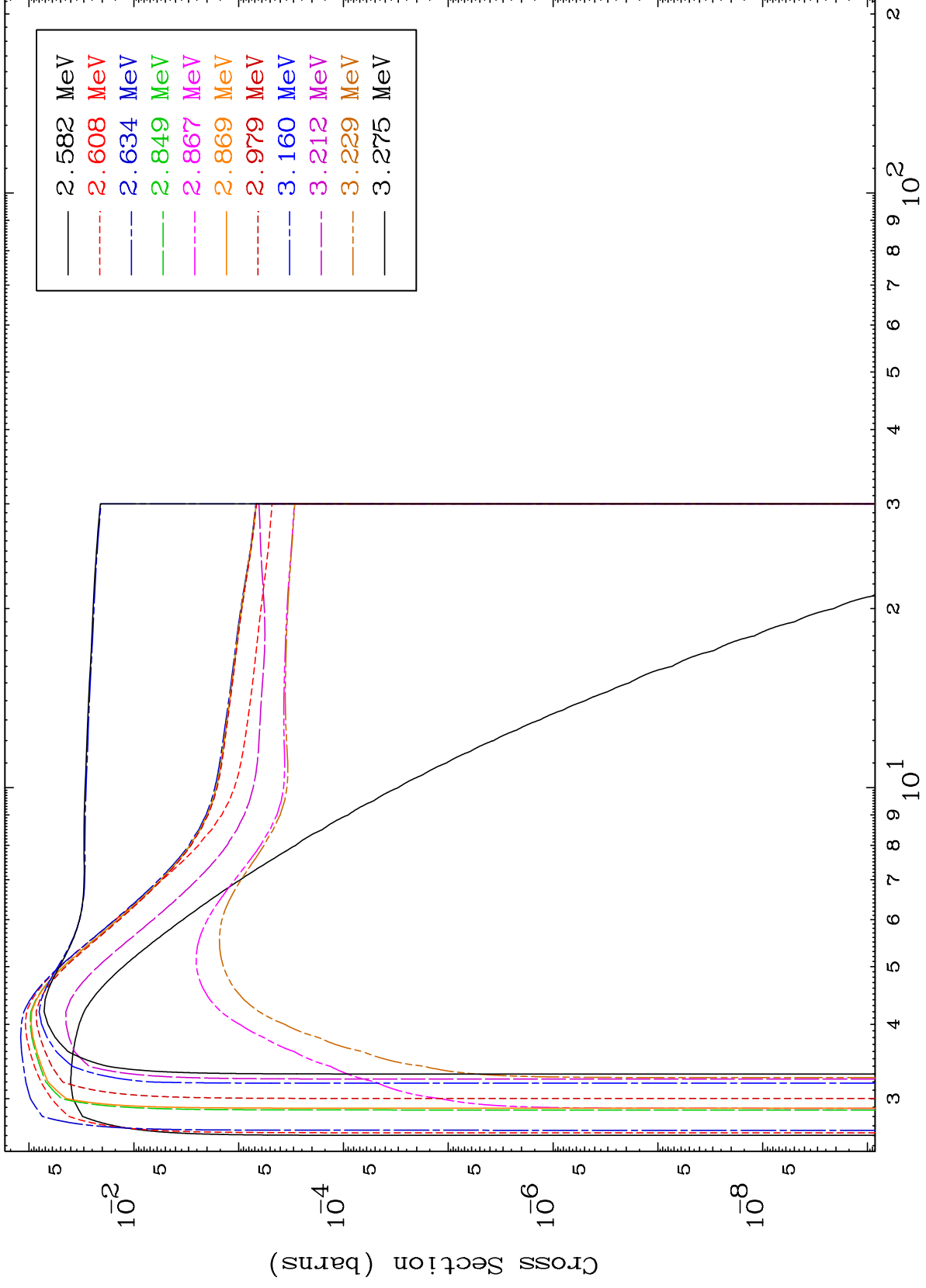




MAT 5461

(n,n') Level  
293 Kelvin Cross Sections

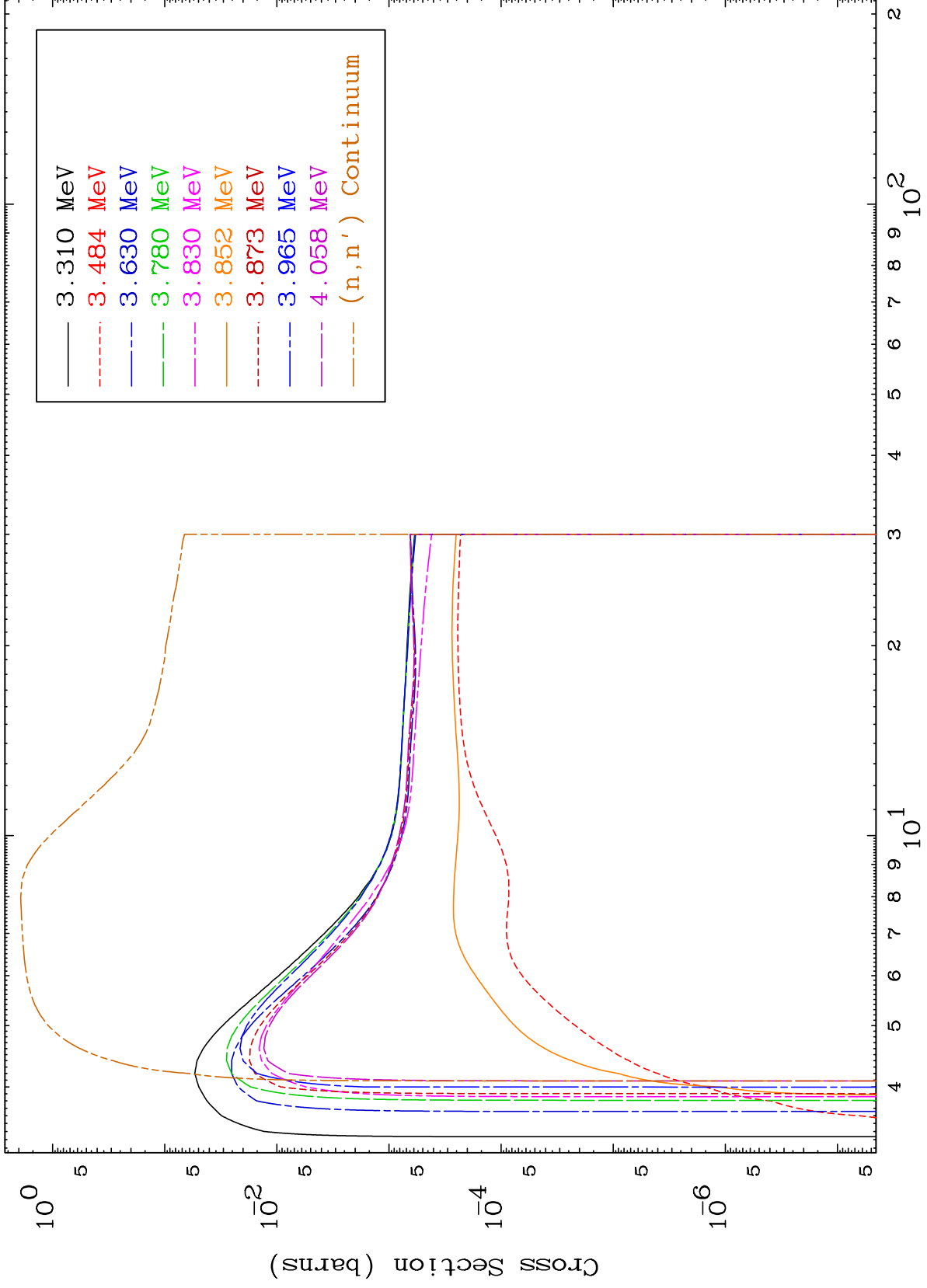
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8

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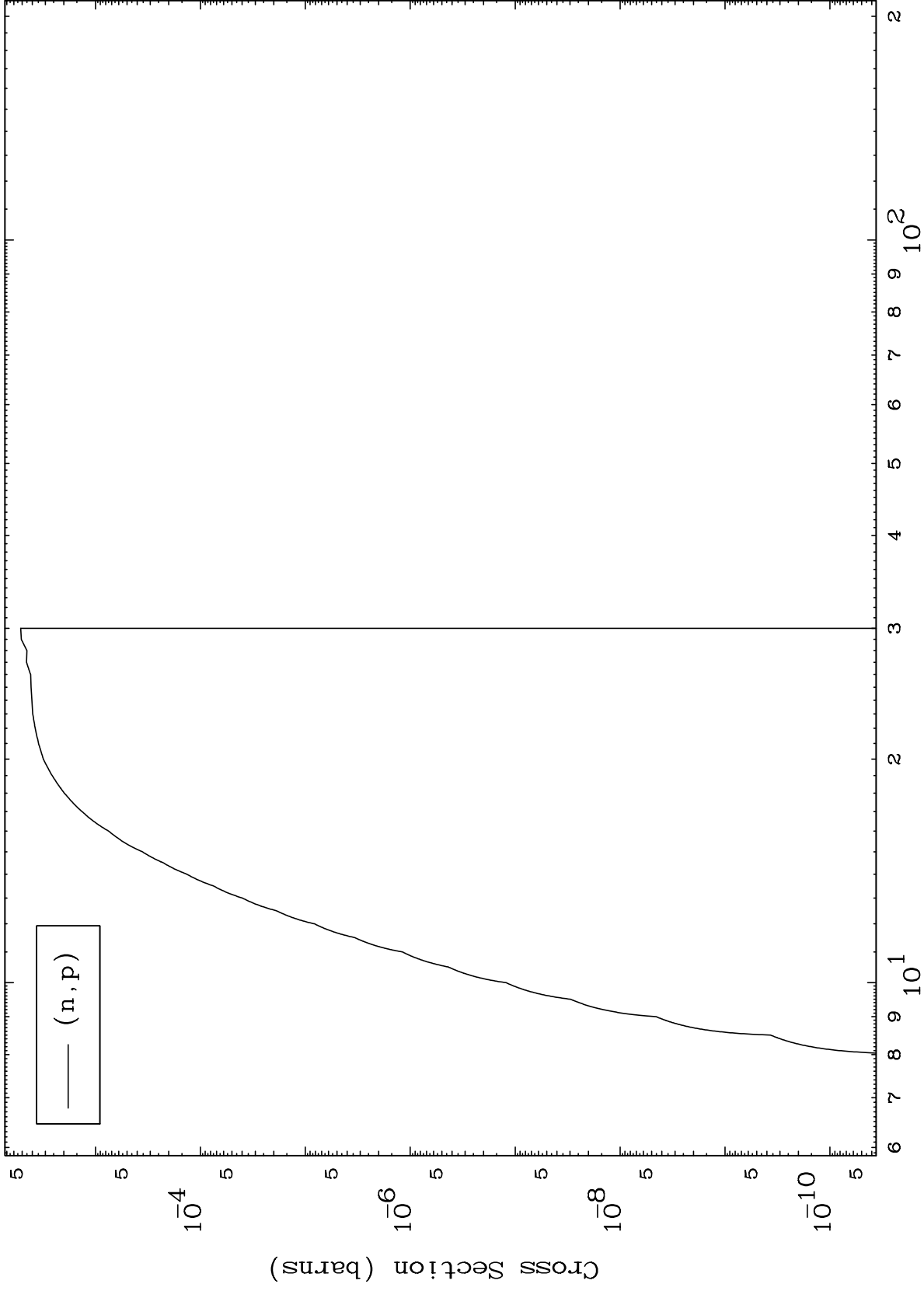
54-Xe-136



MAT 5461

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-136



10

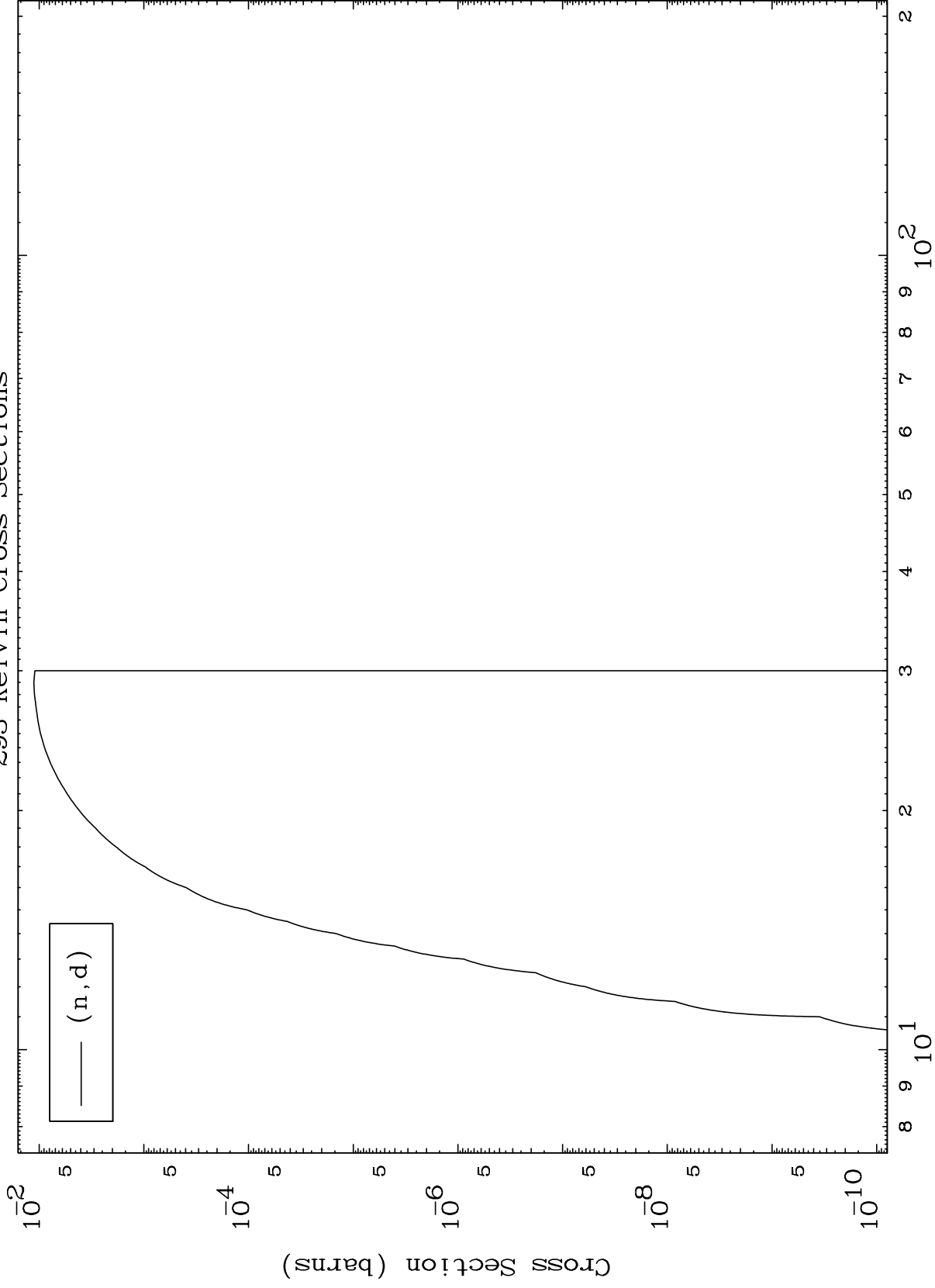
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-136



11

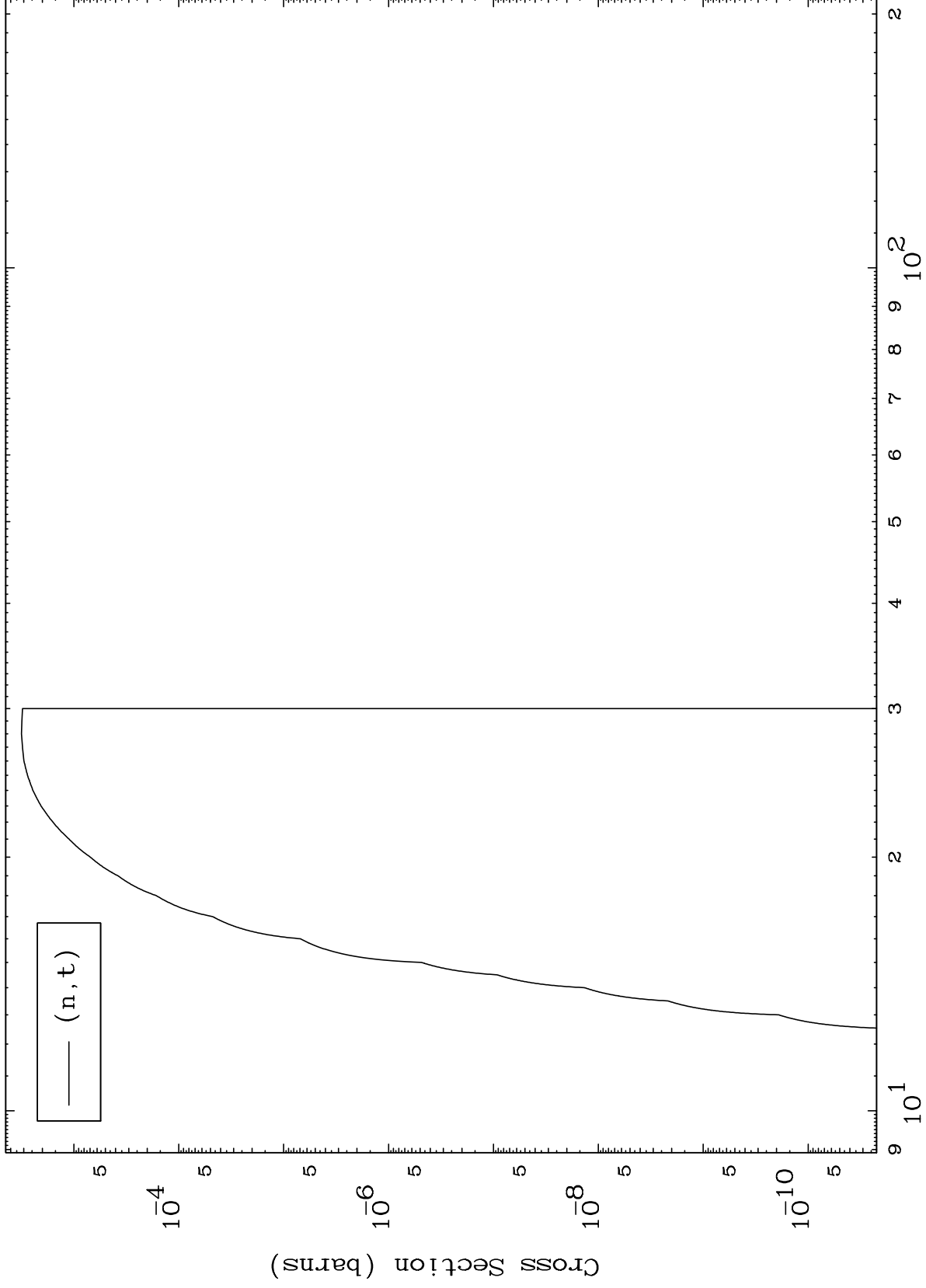
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,t) Levels  
293 Kelvin Cross Sections

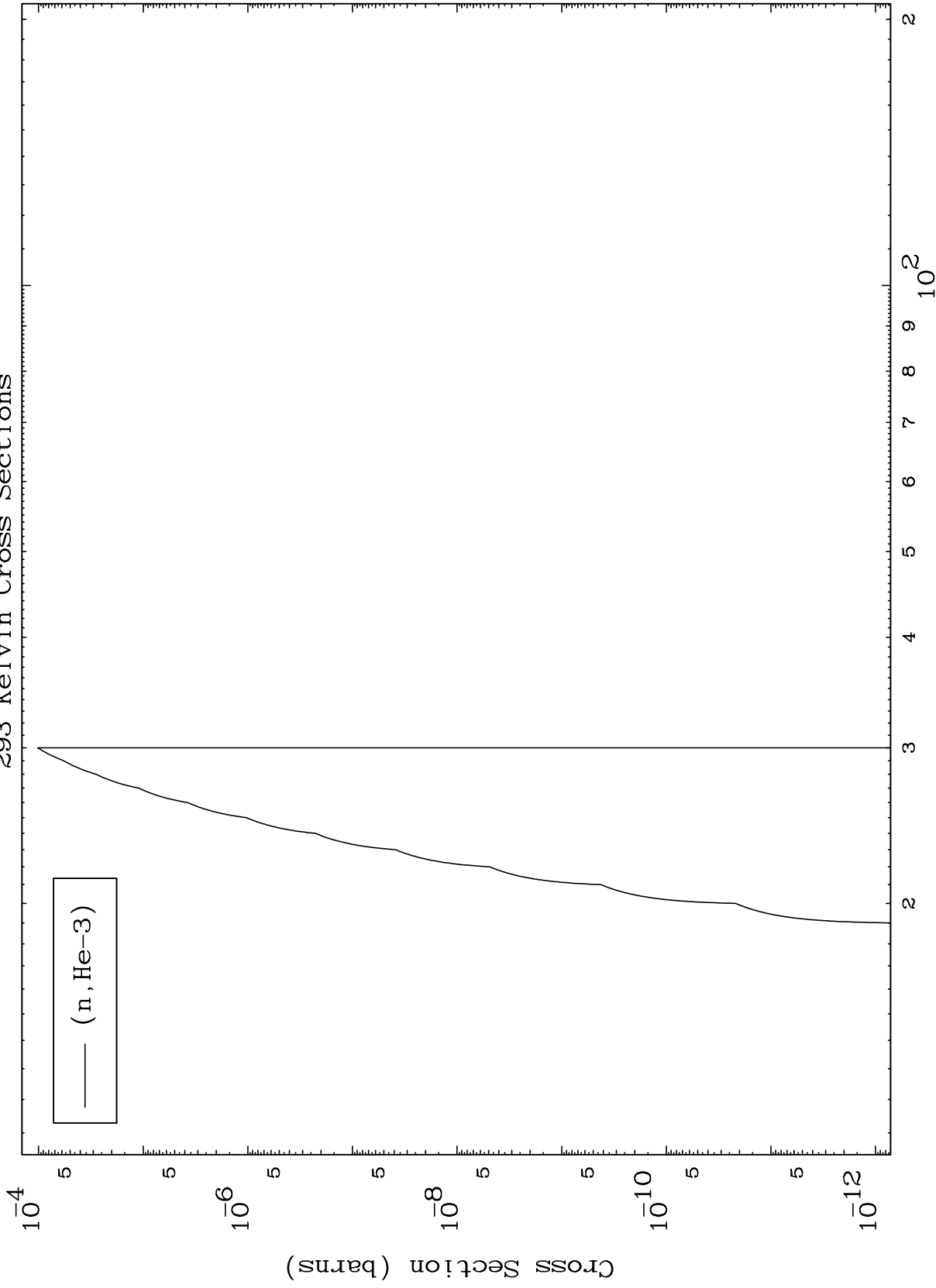
54-Xe-136



12

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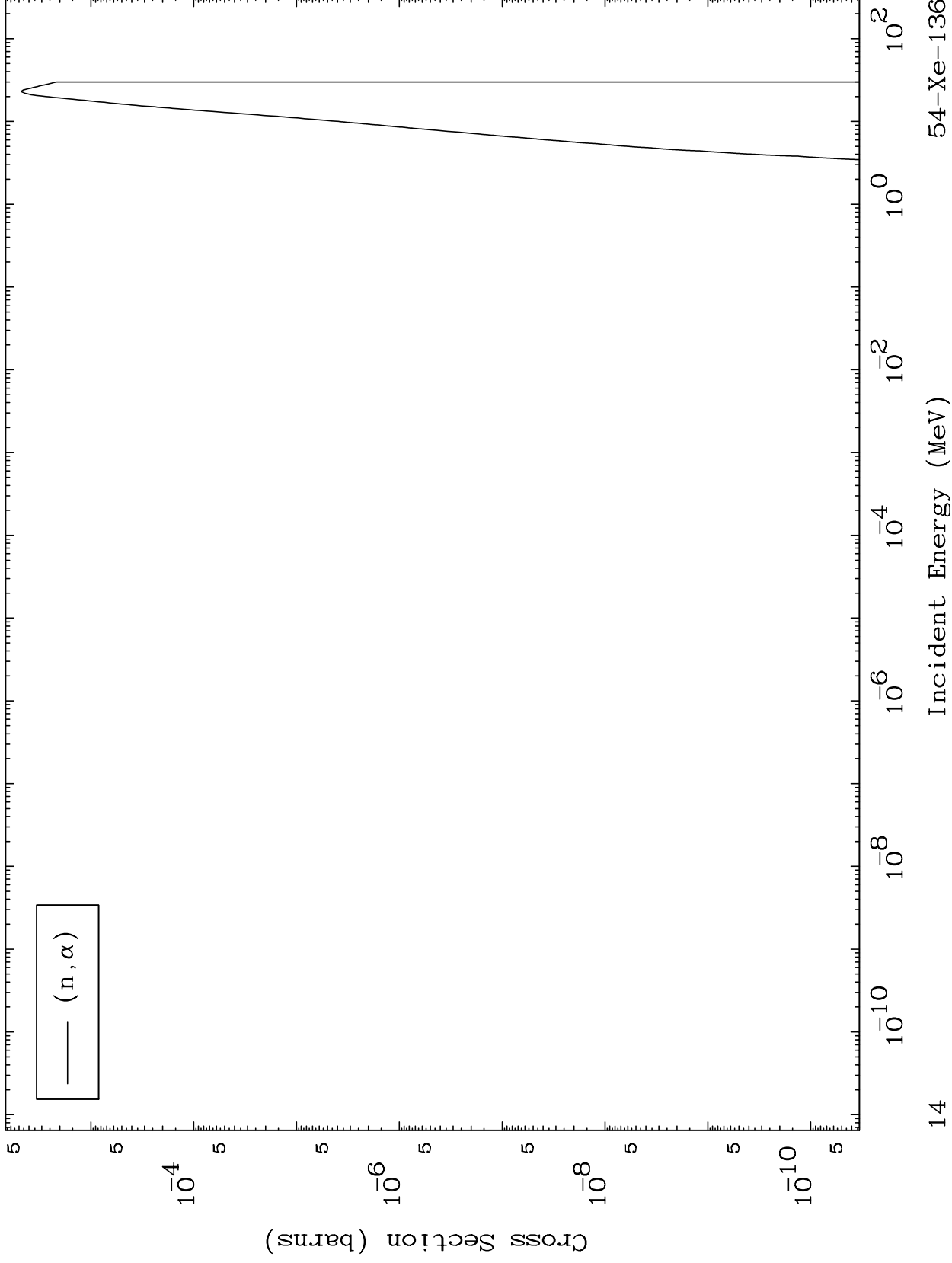
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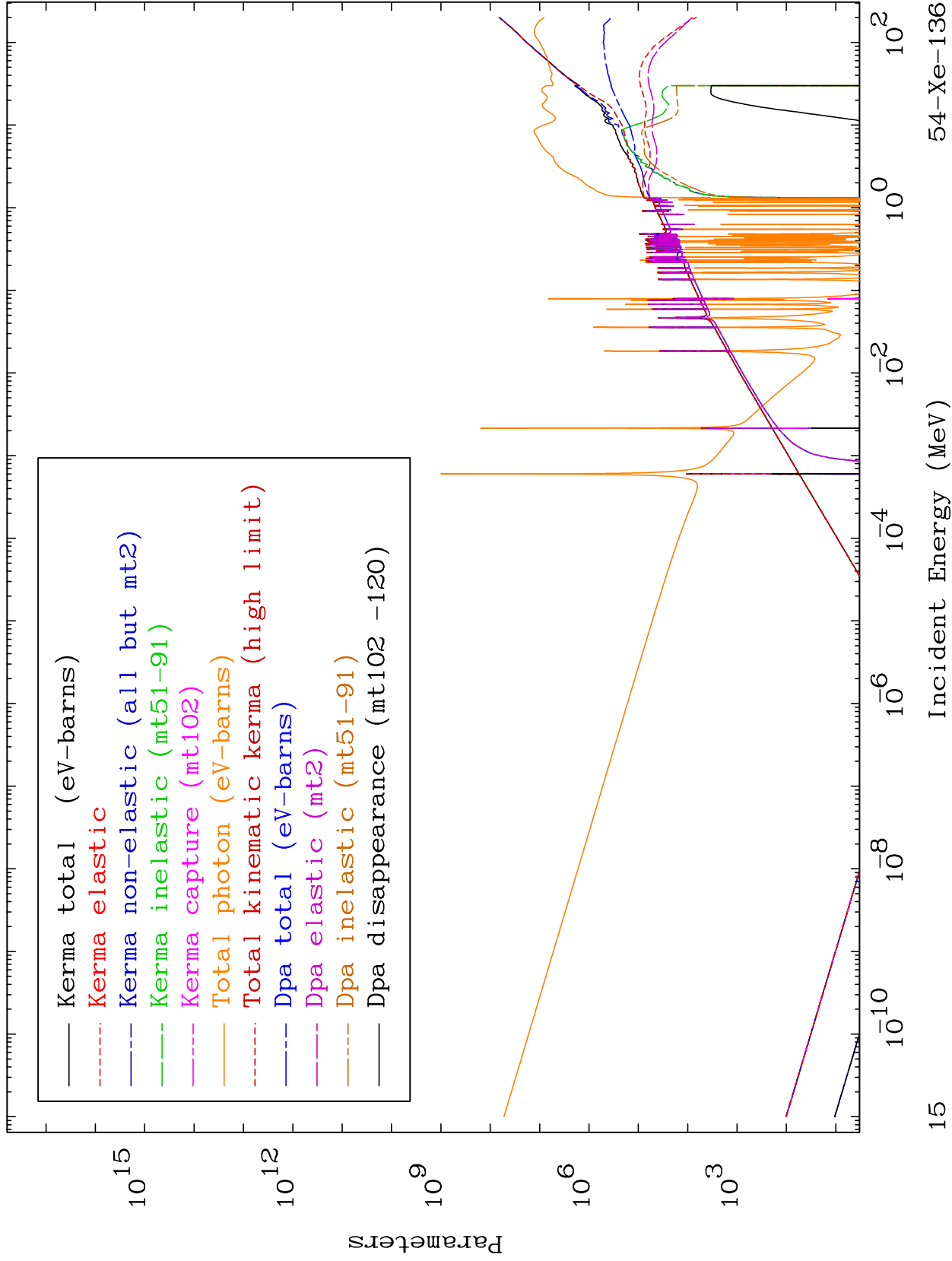


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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

54-Xe-136



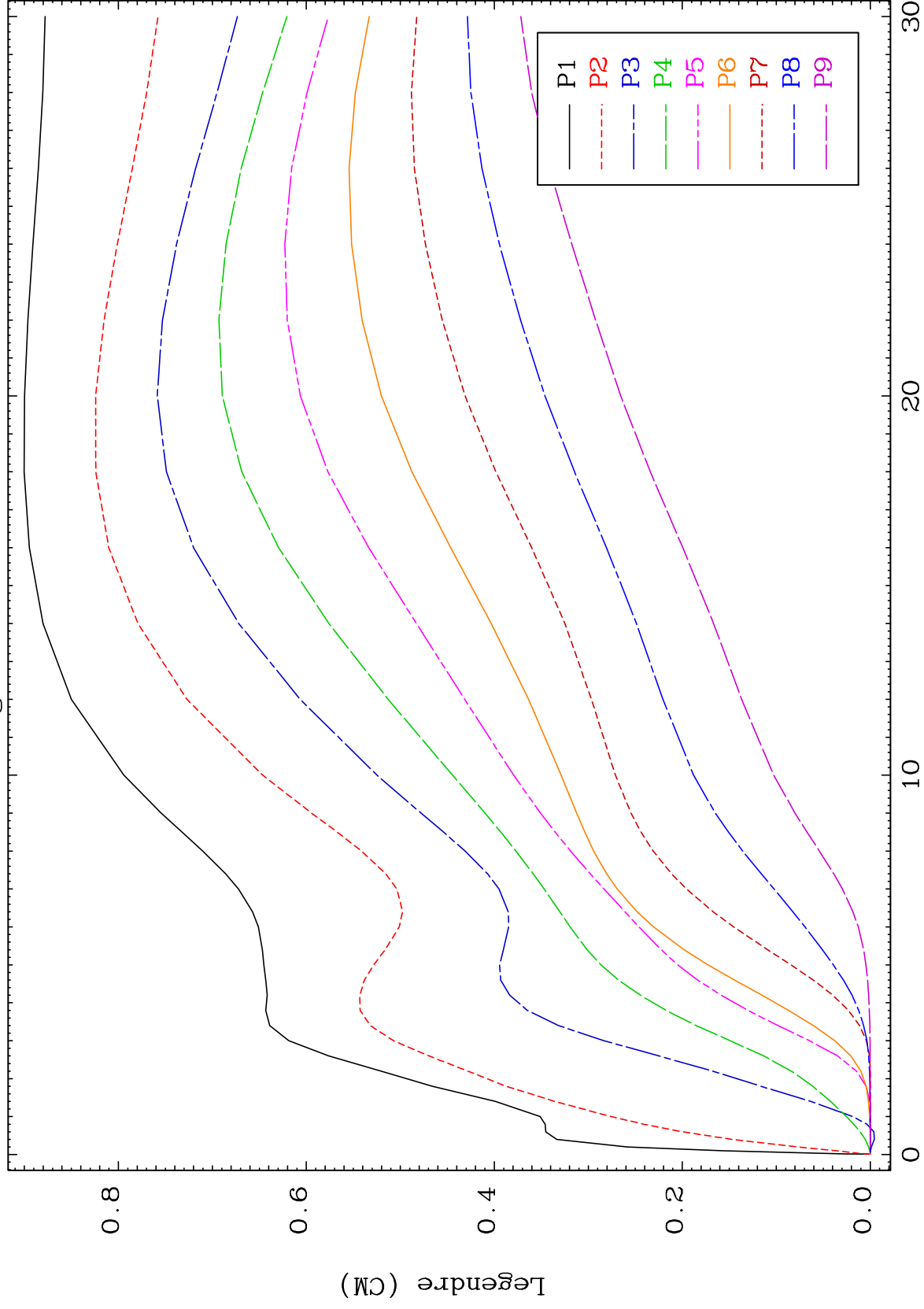




MAT 5461

Elastic Legendre Coefficients

54-Xe-136



16

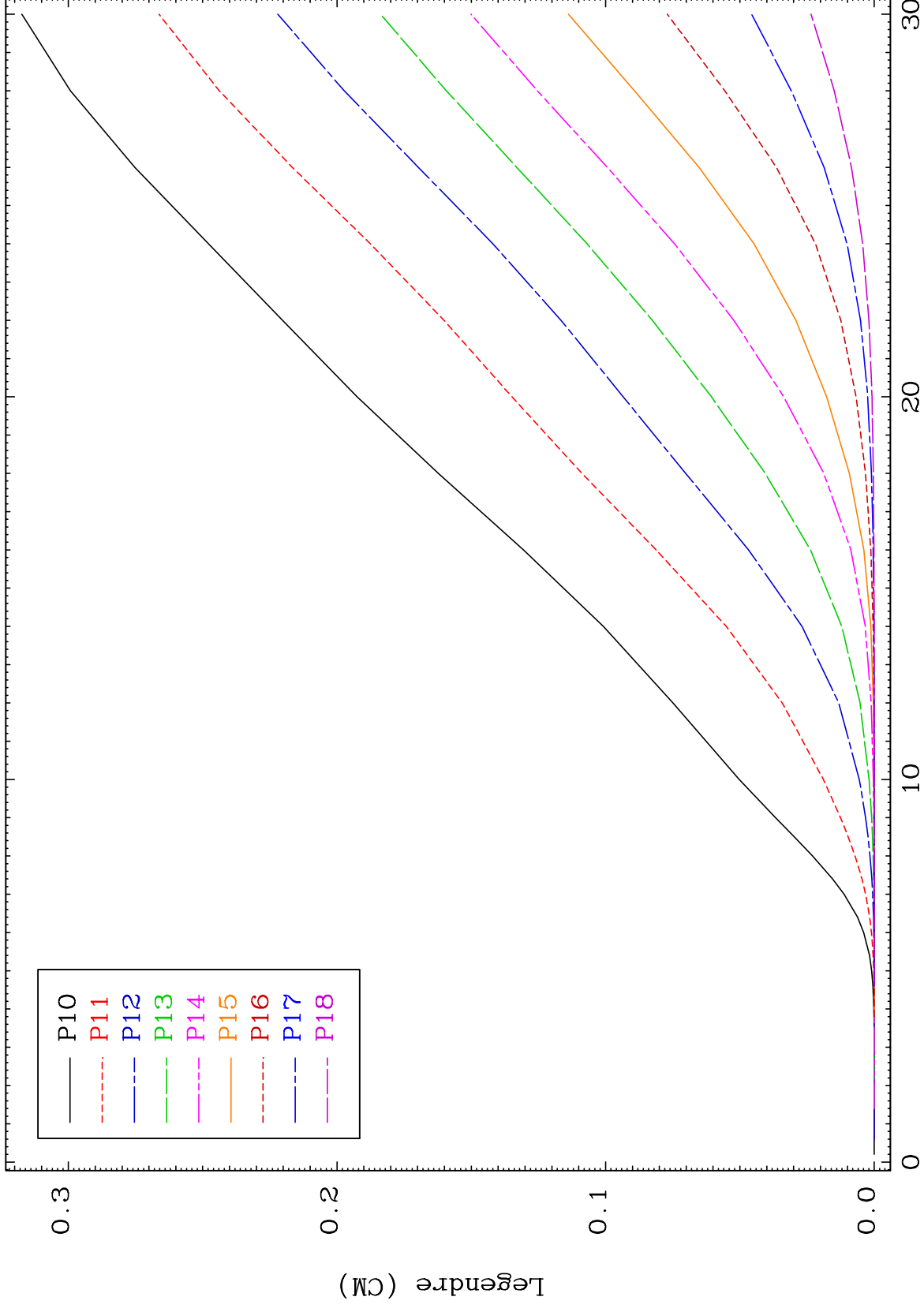
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



17

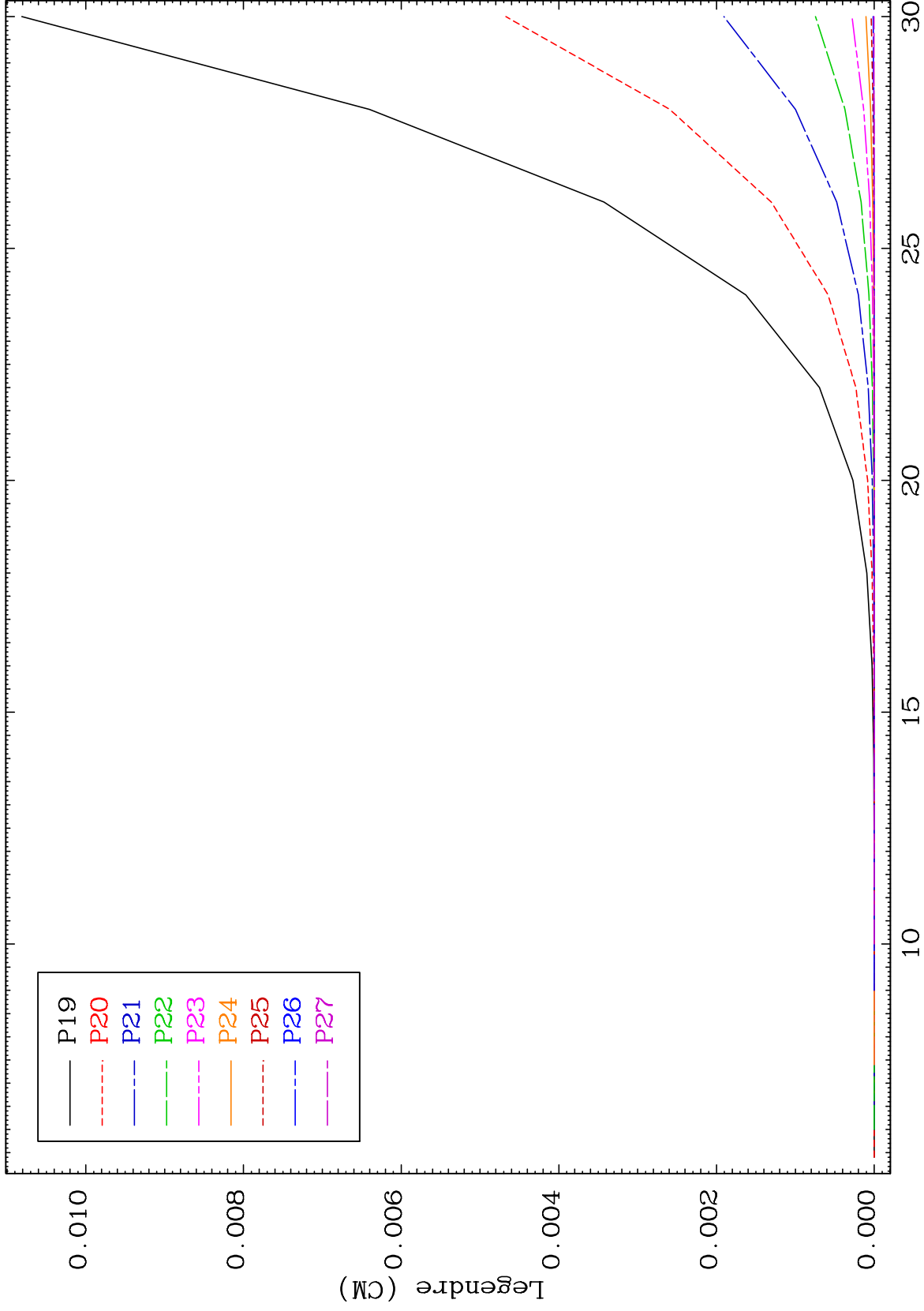
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



18

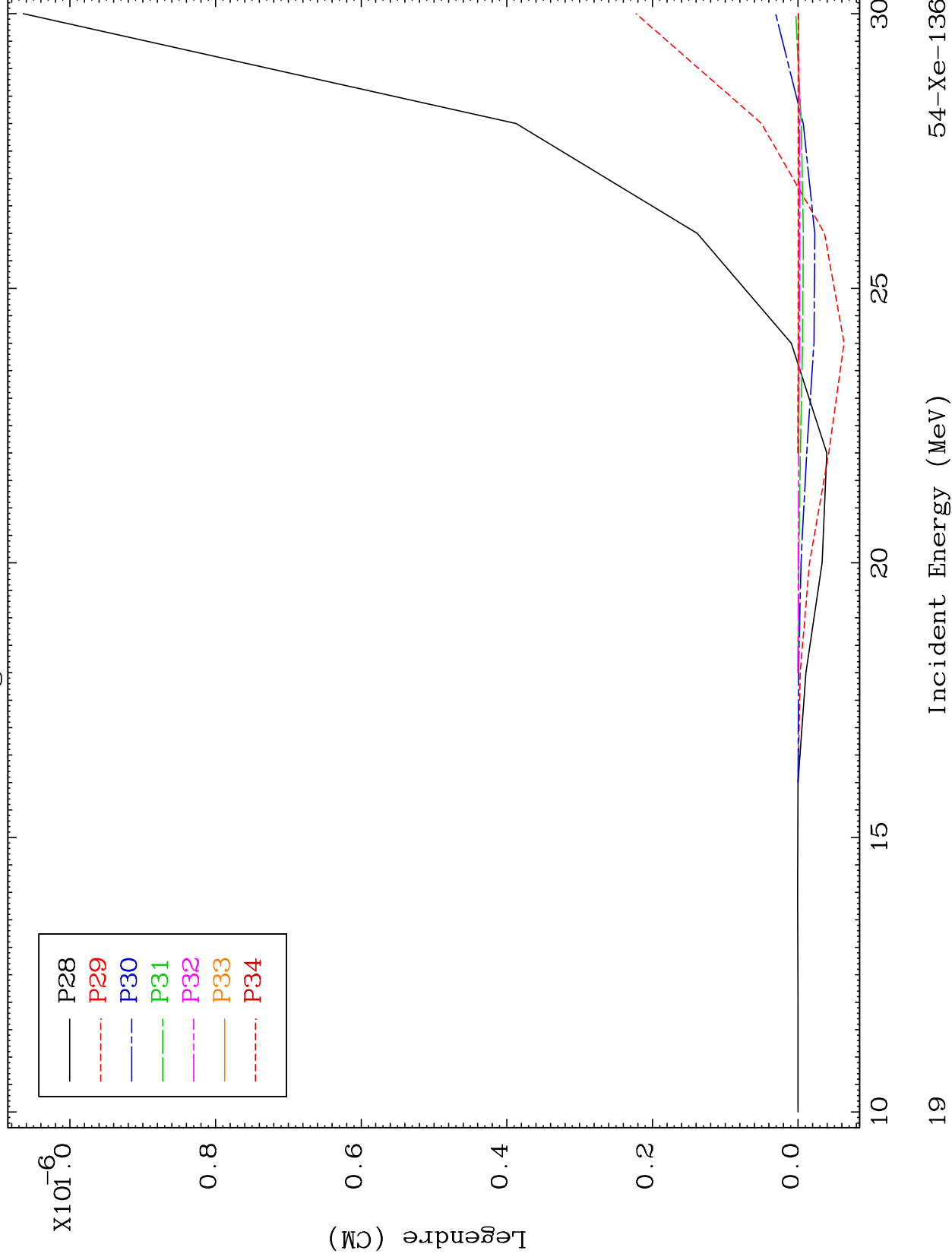
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic  
Legendre Coefficients

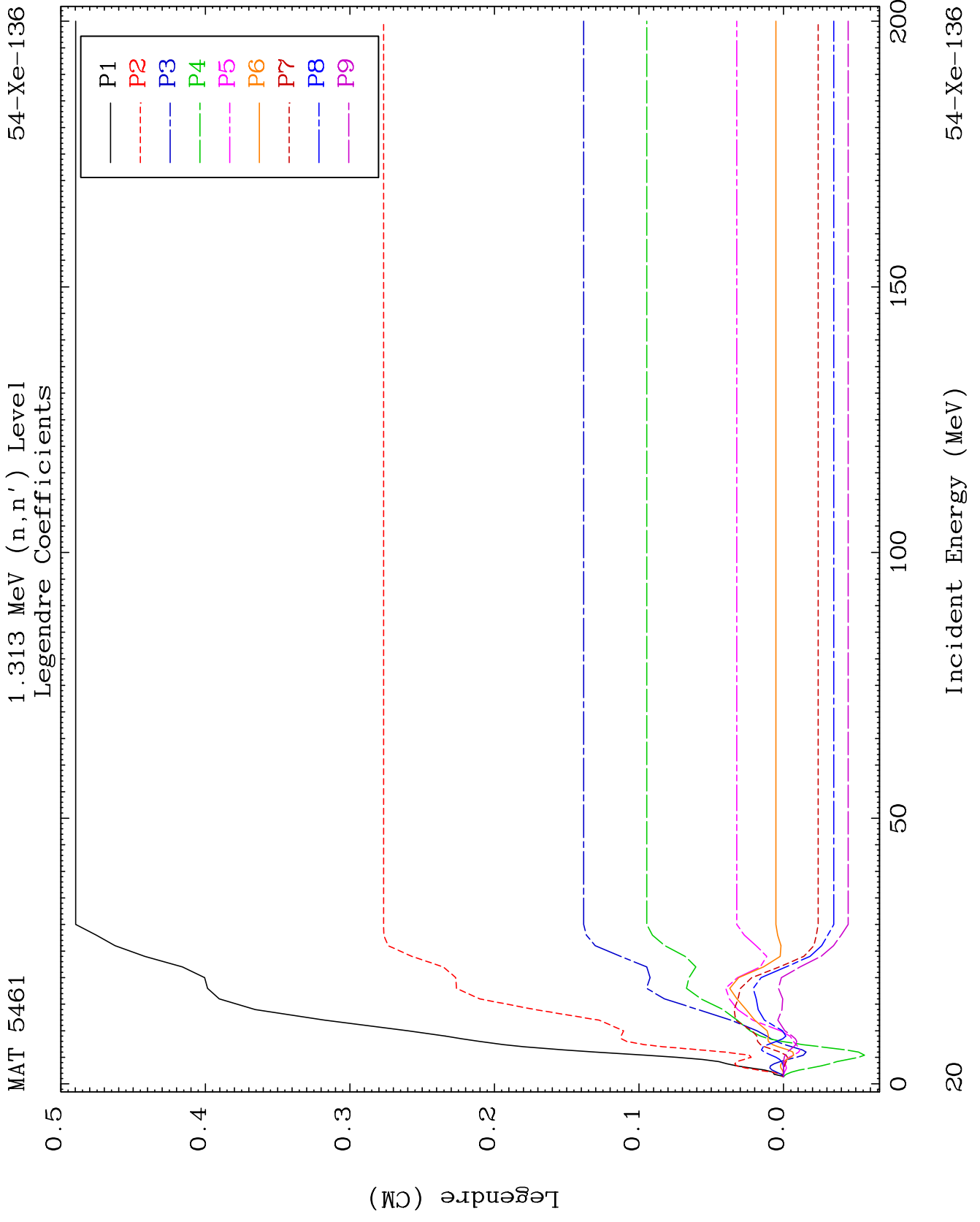
54-Xe-136



19

Incident Energy (MeV)

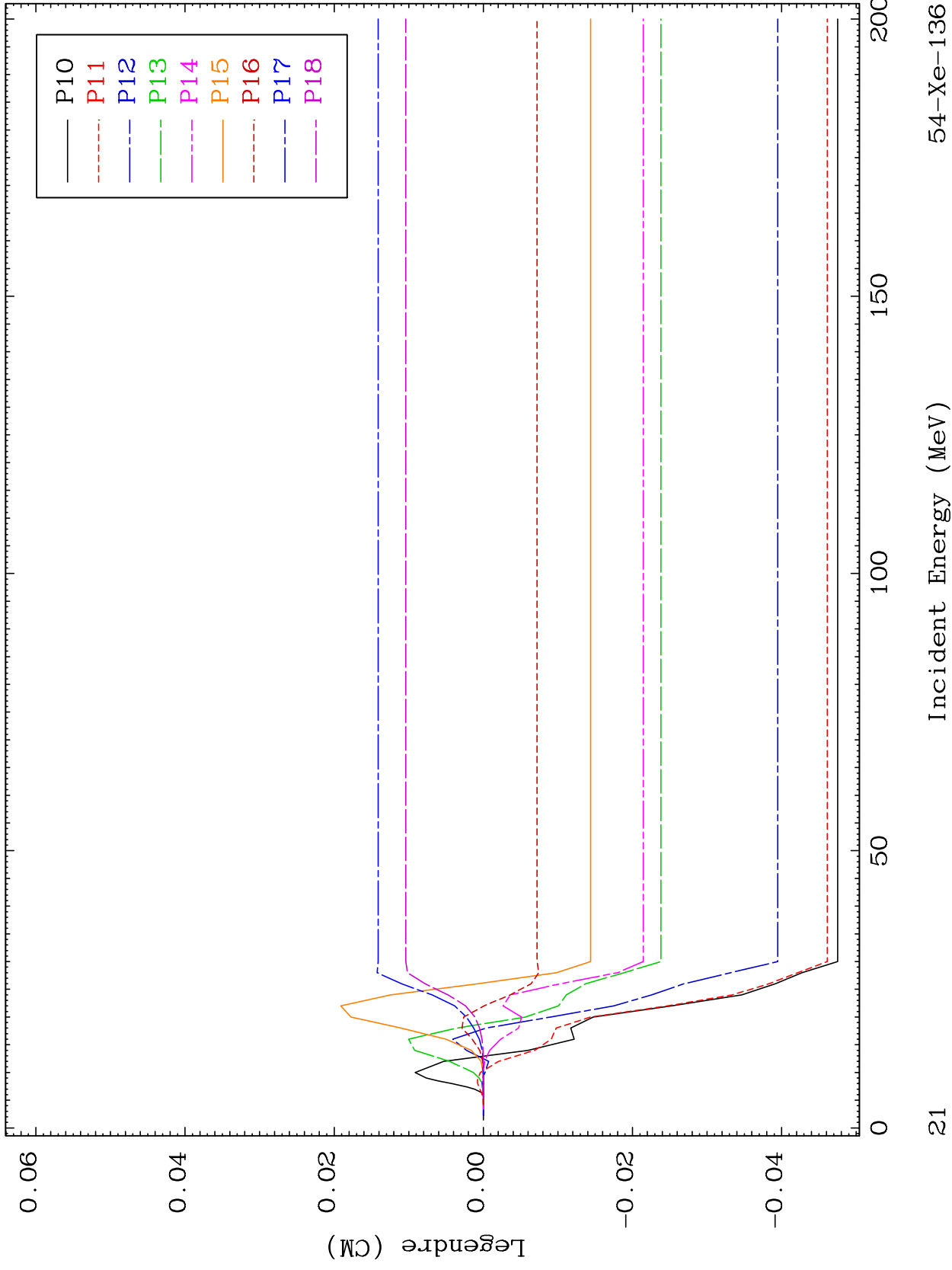
54-Xe-136



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1.313 MeV (n,n') Level  
Legendre Coefficients

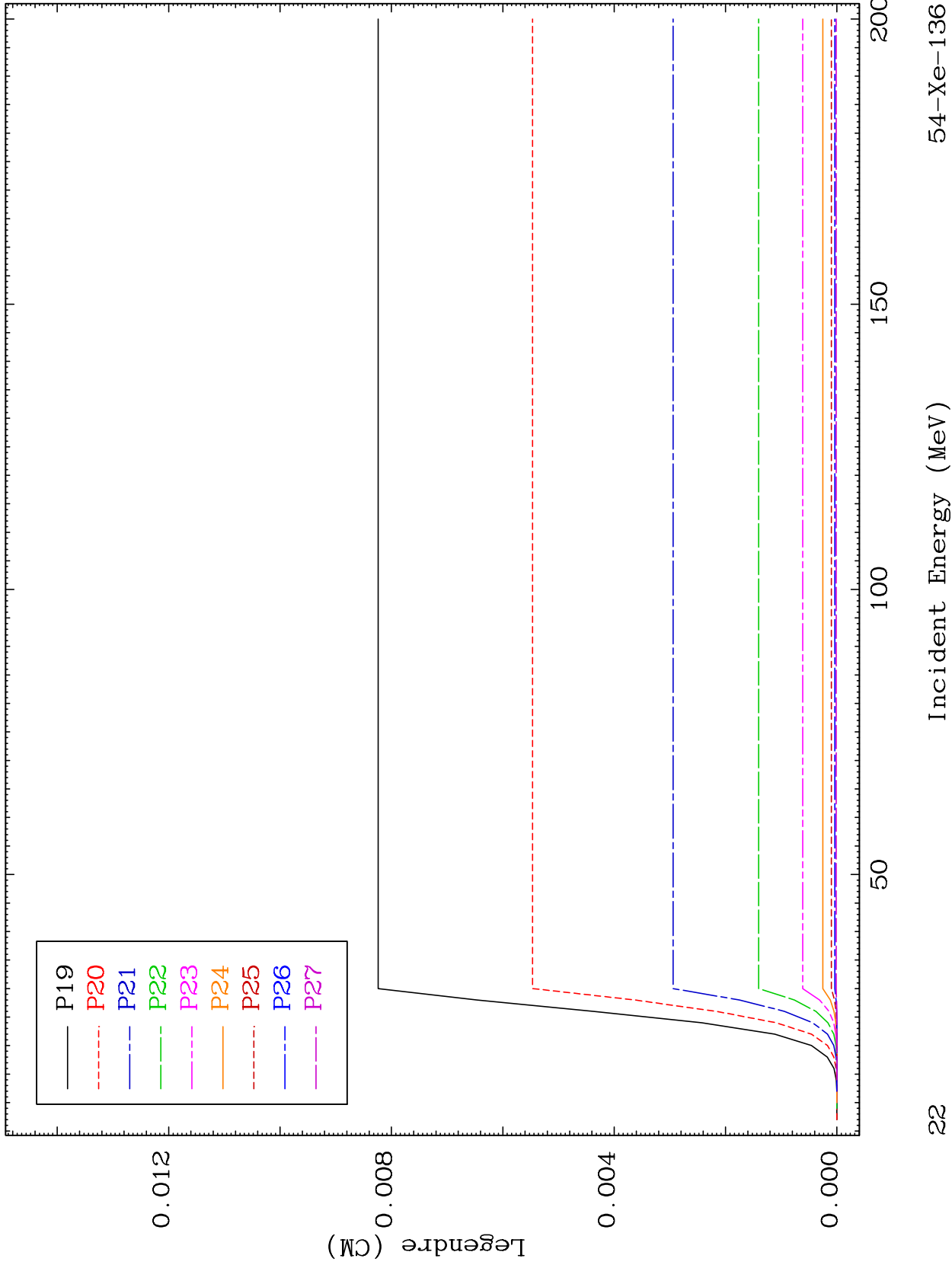
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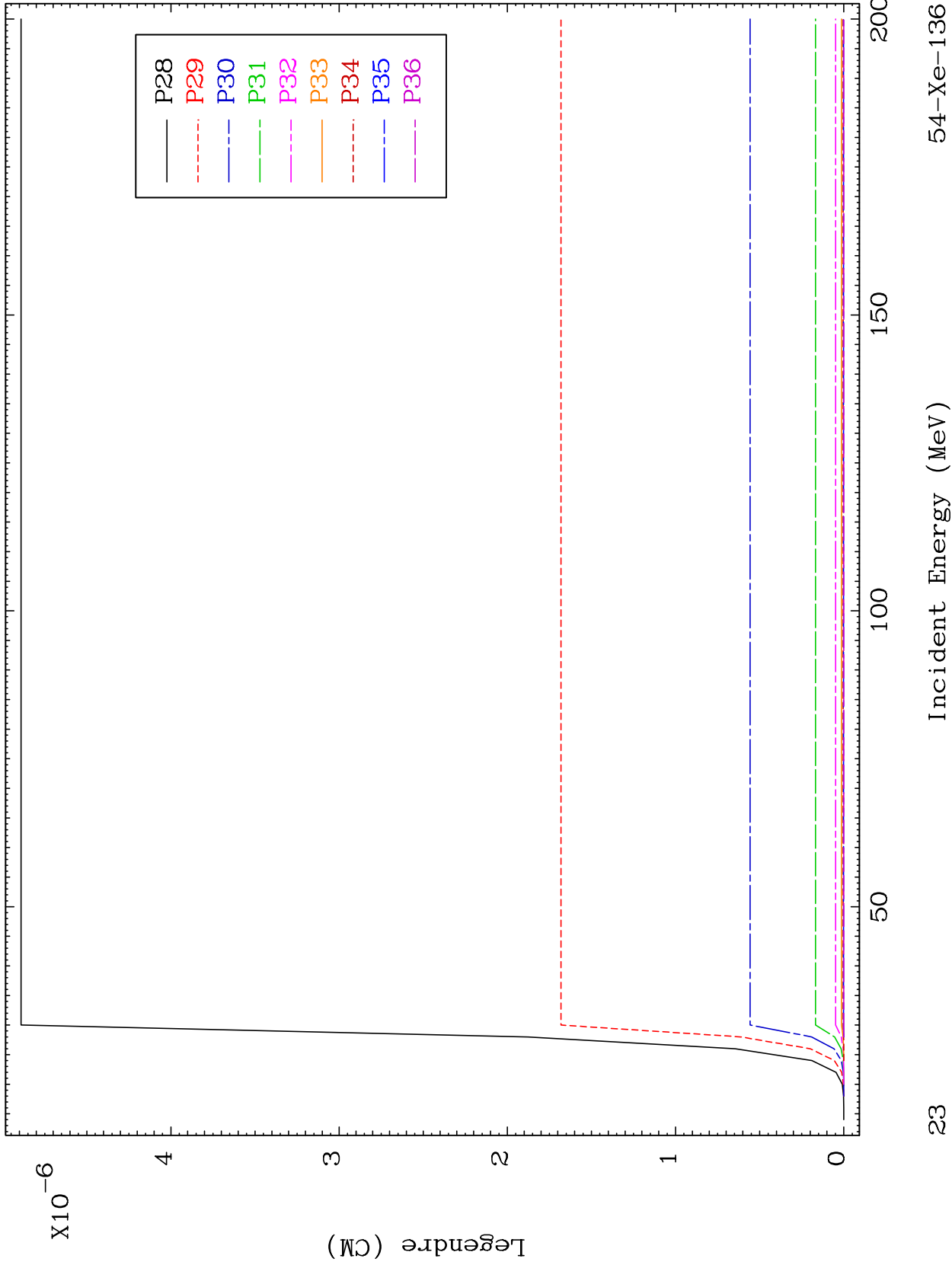


21

Incident Energy (MeV)

54-Xe-136



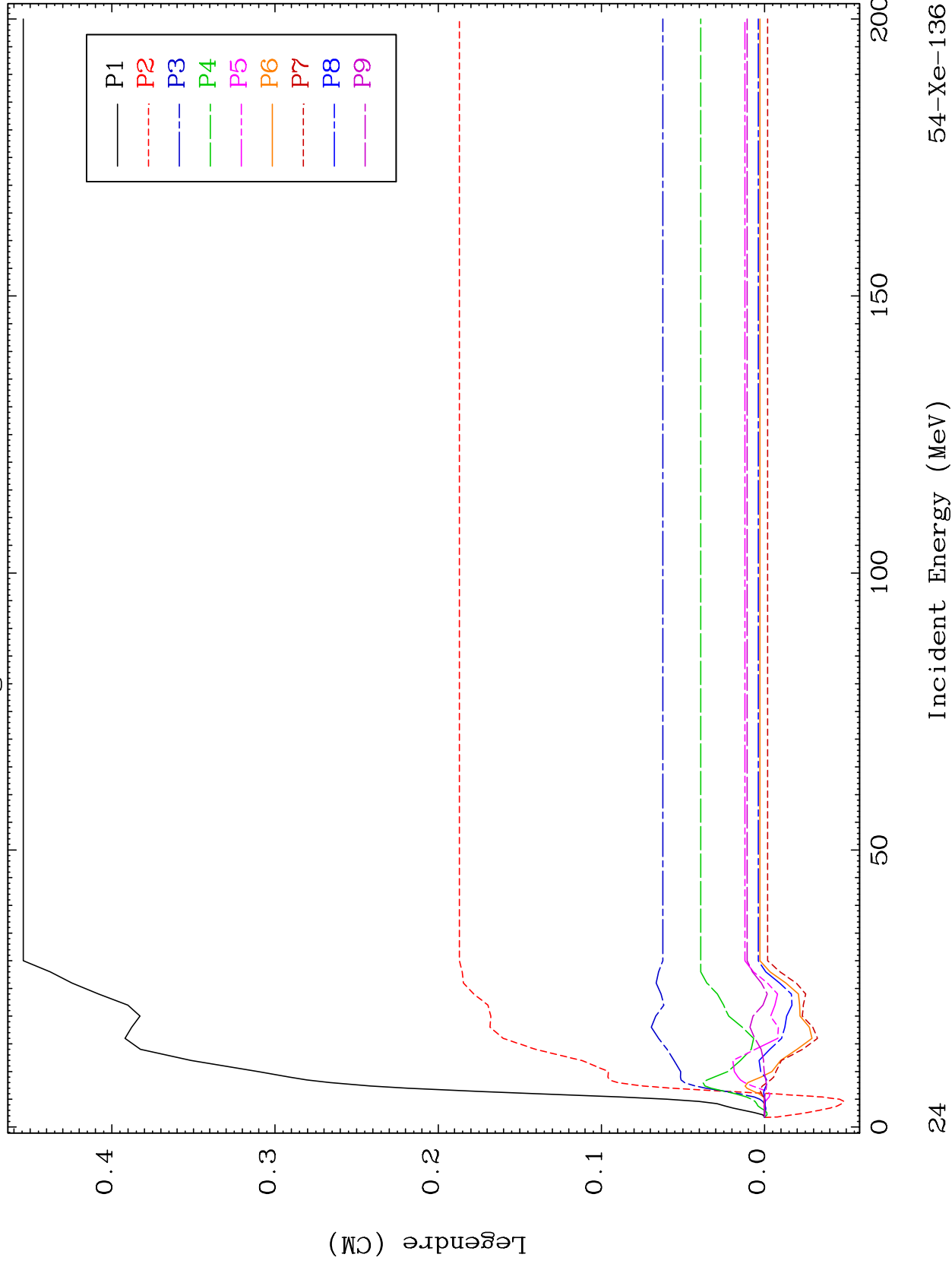




MAT 5461

1.694 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



54-Xe-136

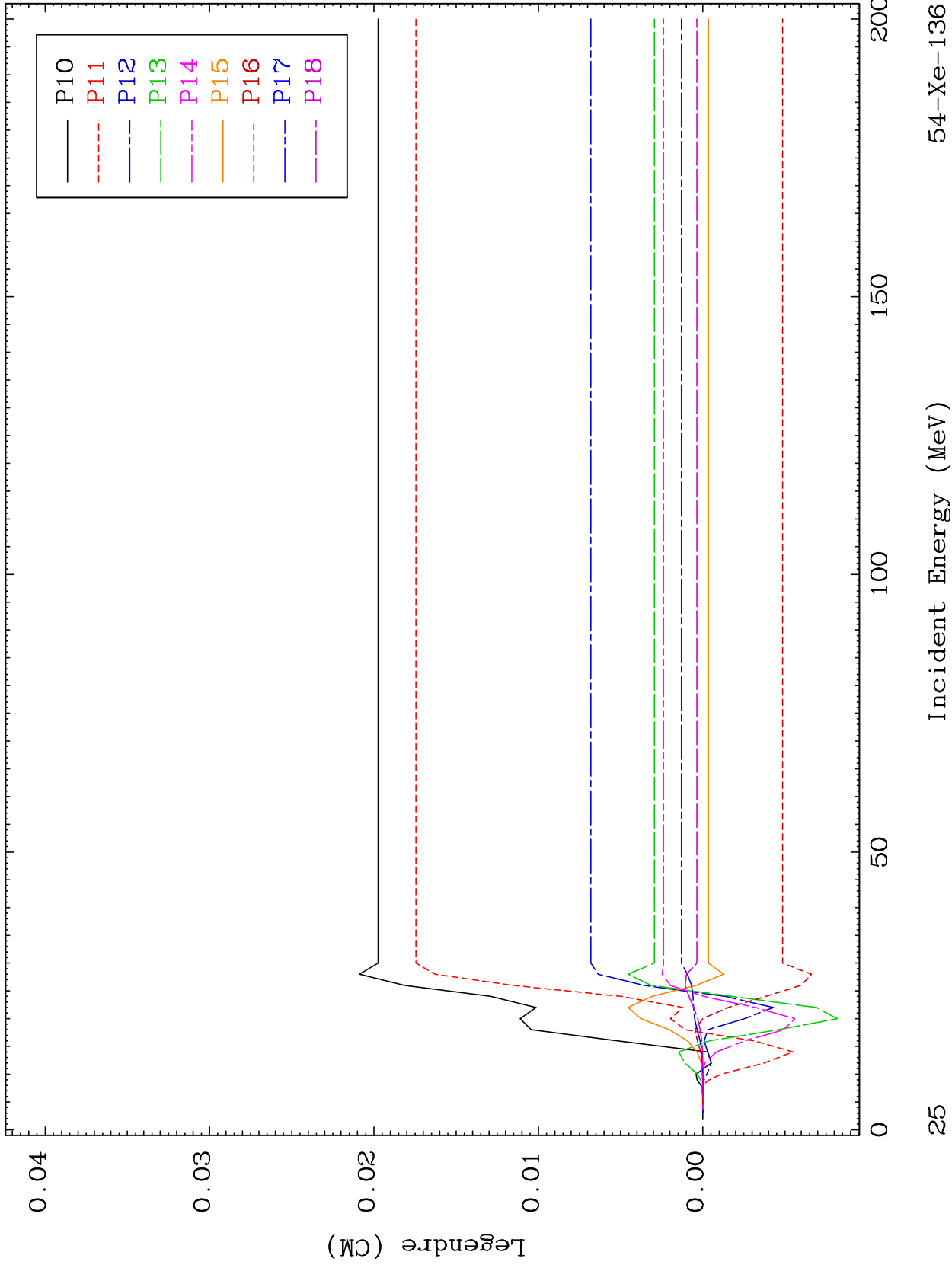
Incident Energy (MeV)

24

MAT 5461

1.694 MeV (n,n') Level  
Legendre Coefficients

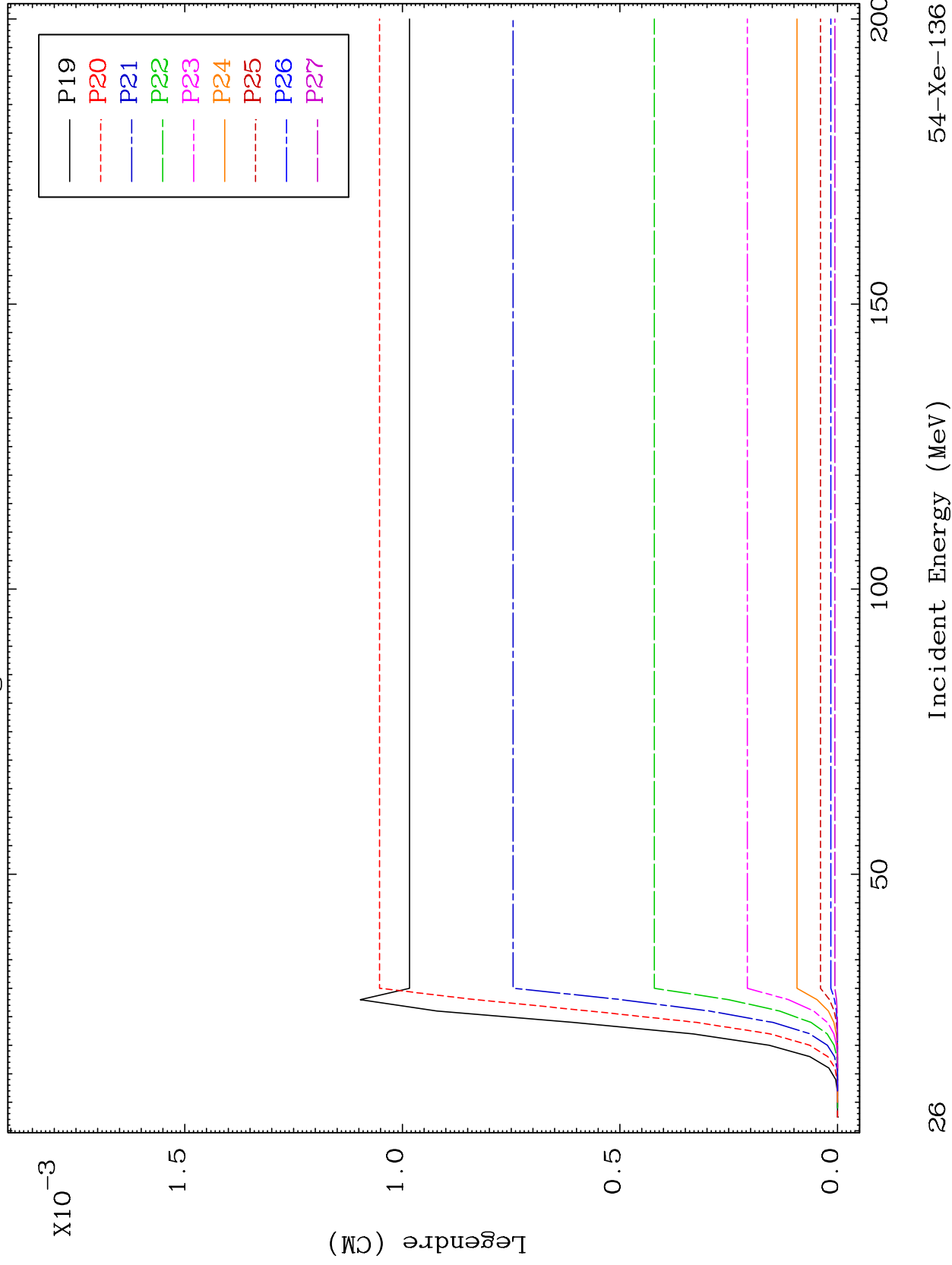
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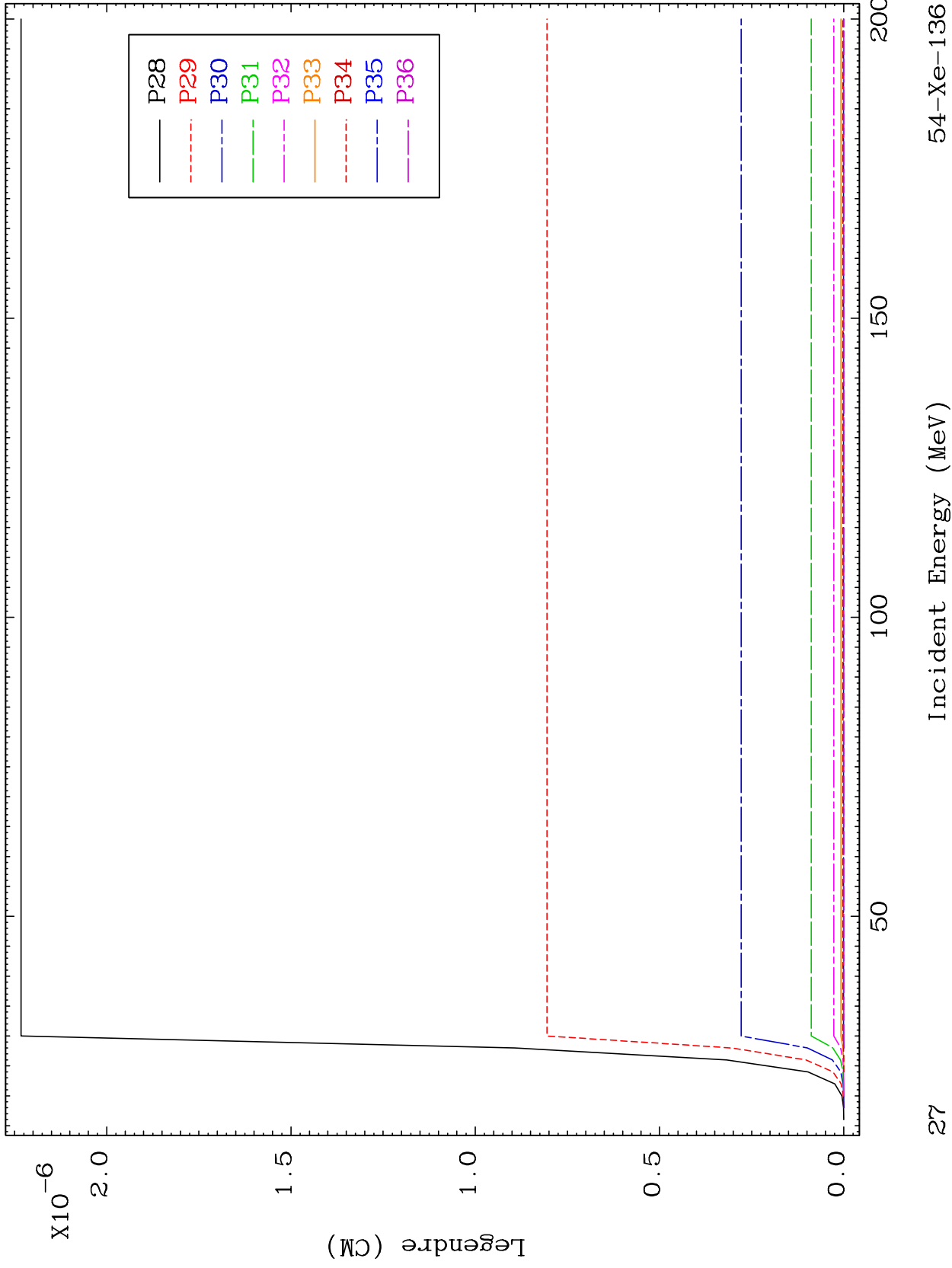


54-Xe-136

Incident Energy (MeV)

25

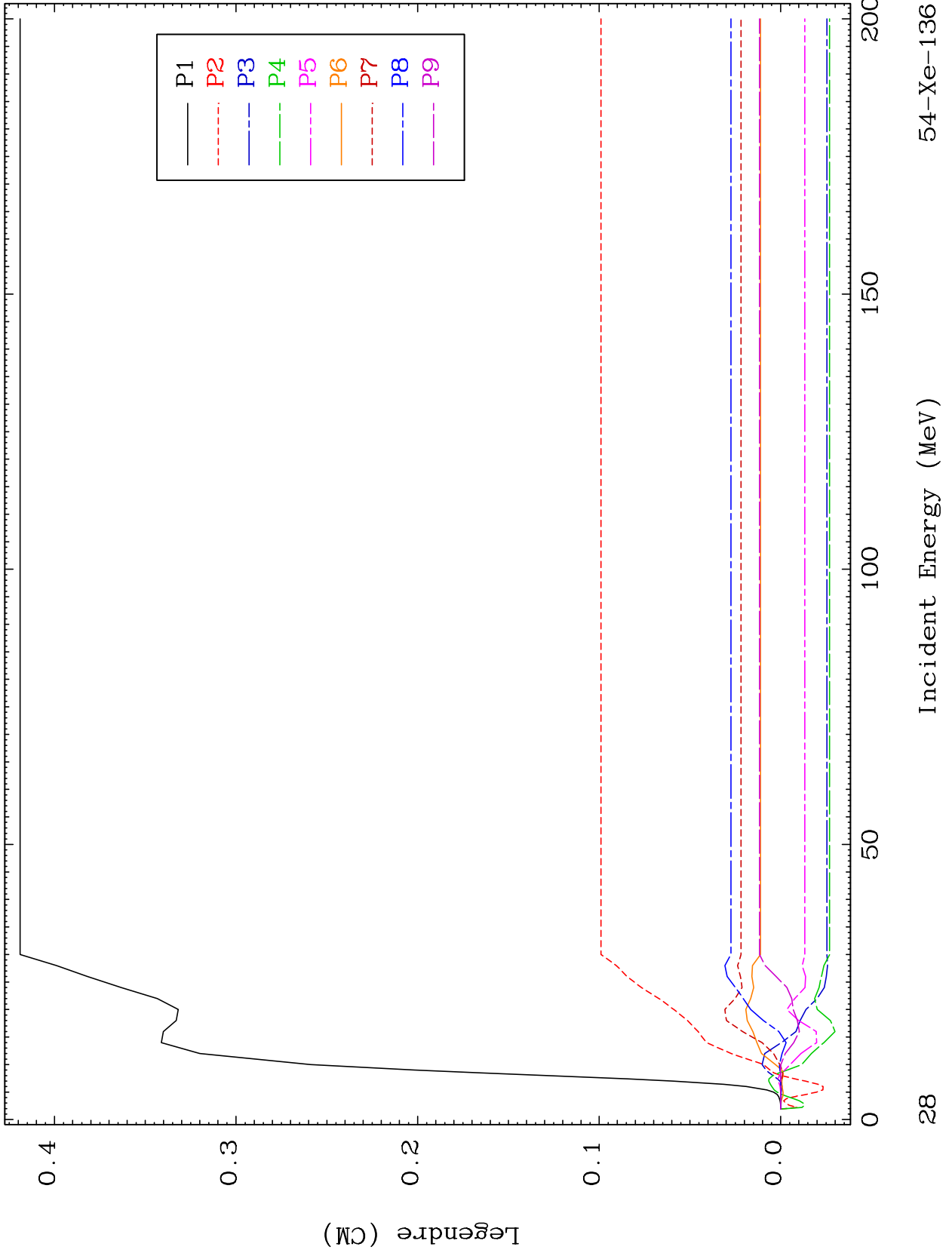




MAT 5461

1.892 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



28

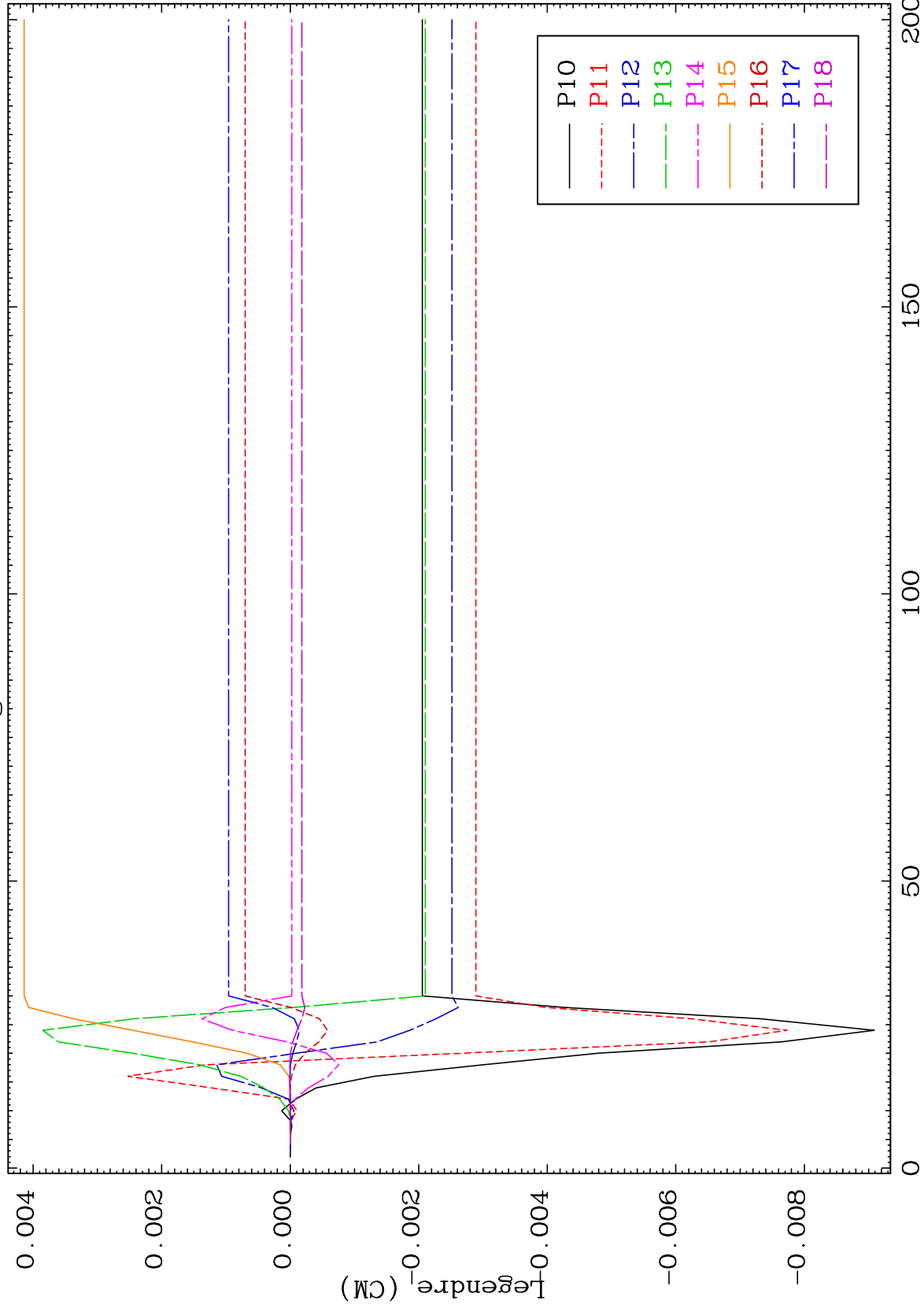
Incident Energy (MeV)

54-Xe-136

MAT 5461

1.892 MeV (n,n') Level  
Legendre Coefficients

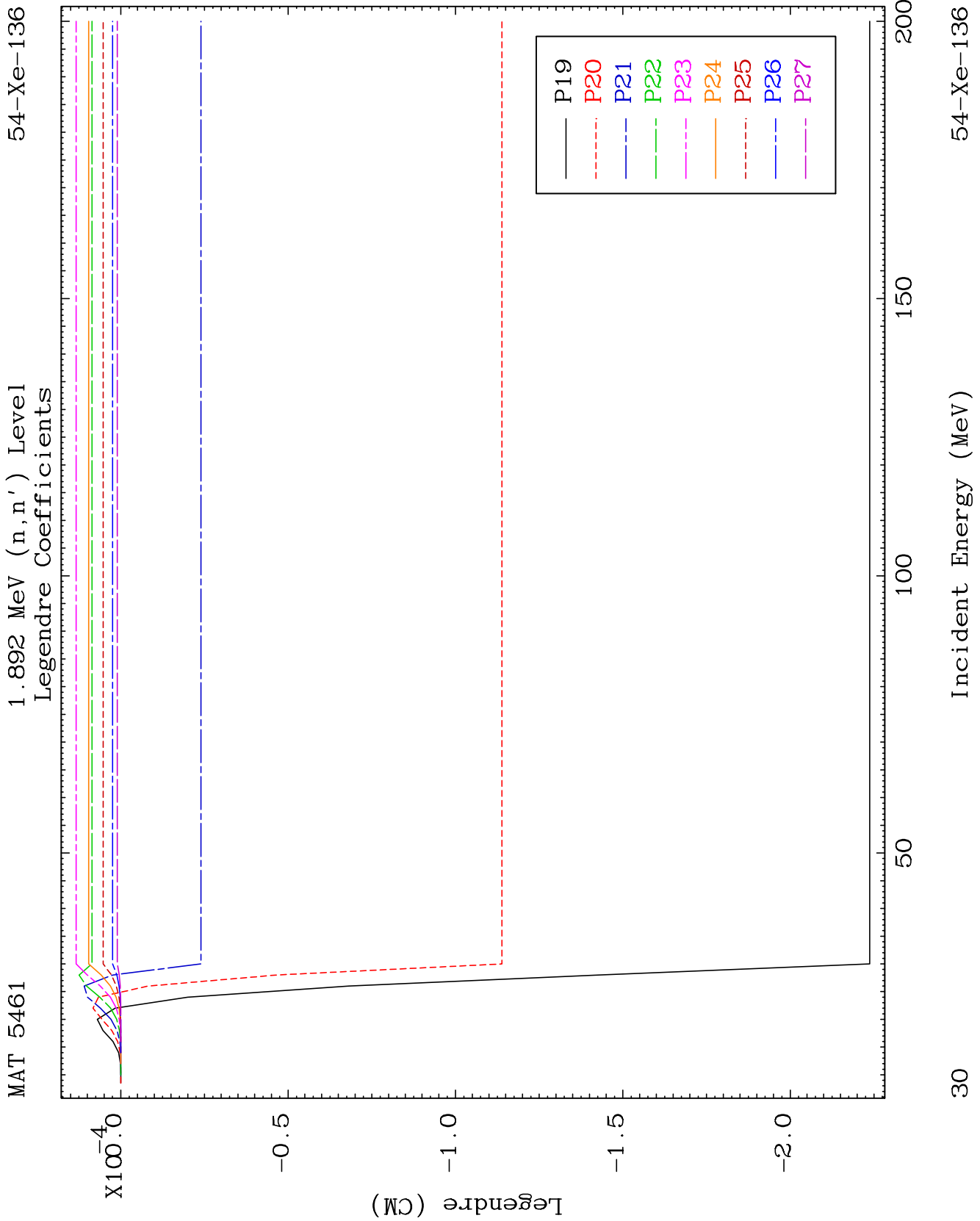
54-Xe-136



29

Incident Energy (MeV)

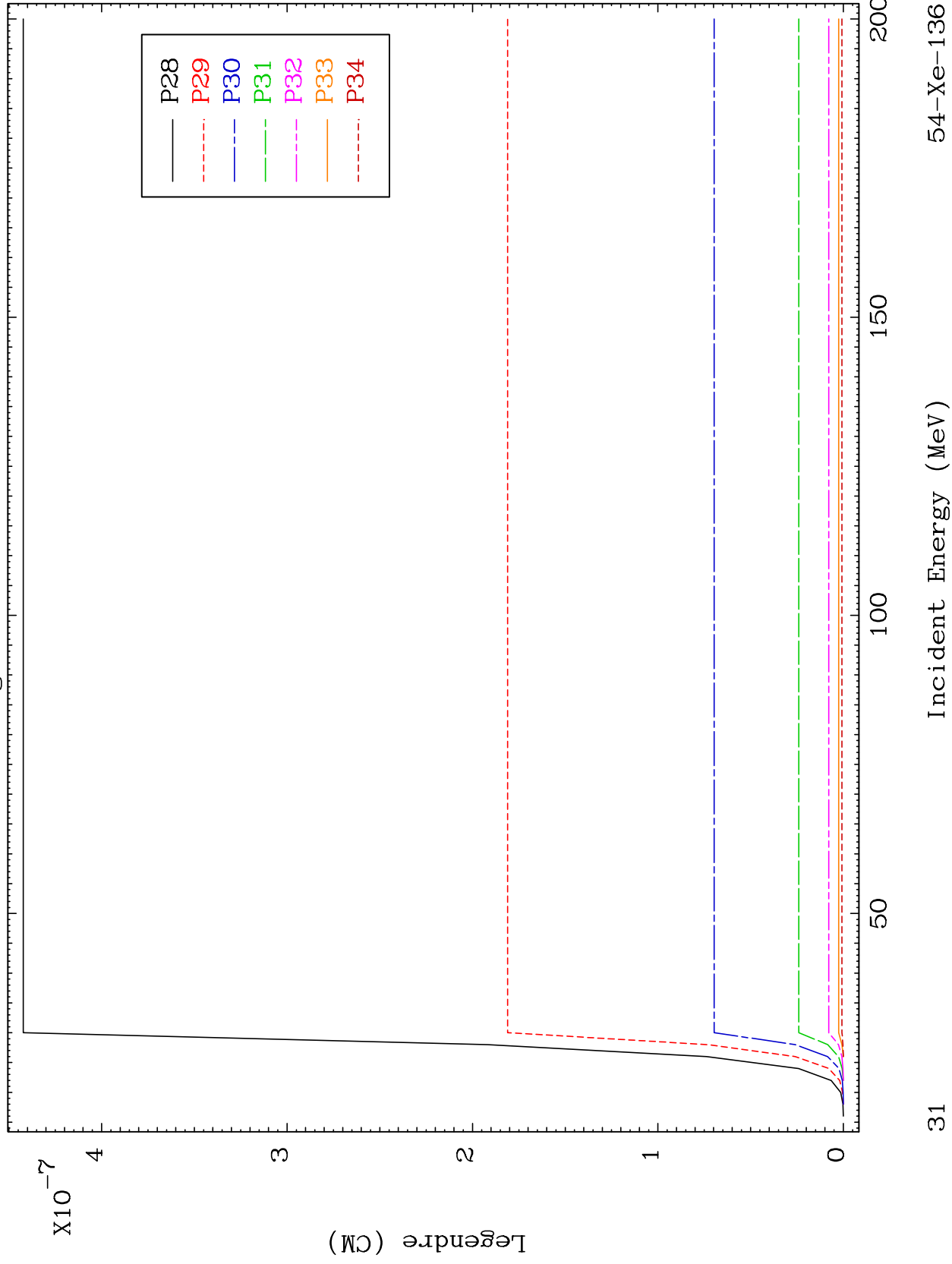
54-Xe-136



MAT 5461

1.892 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



31

Incident Energy (MeV)

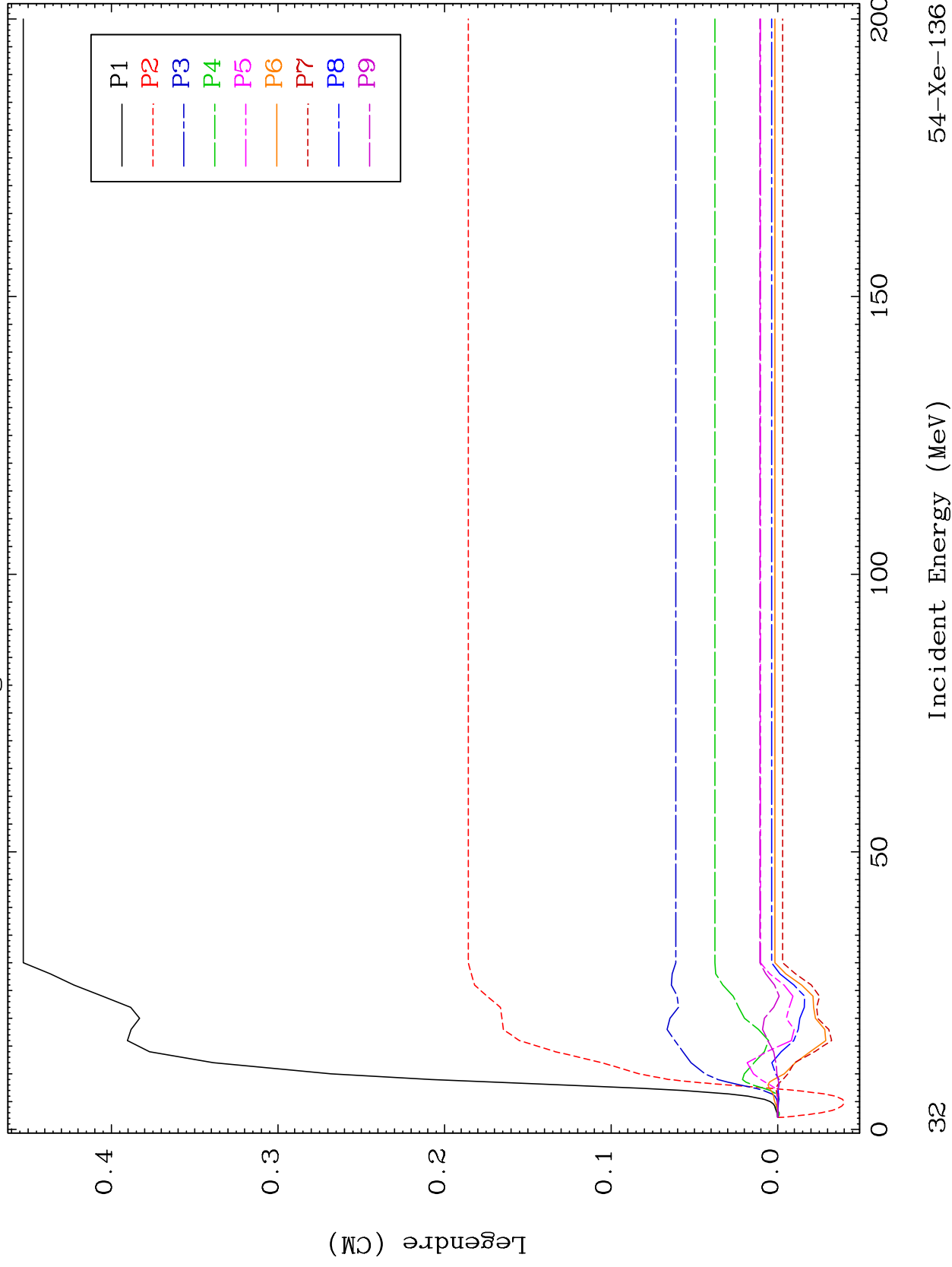
54-Xe-136



MAT 5461

2.126 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



54-Xe-136

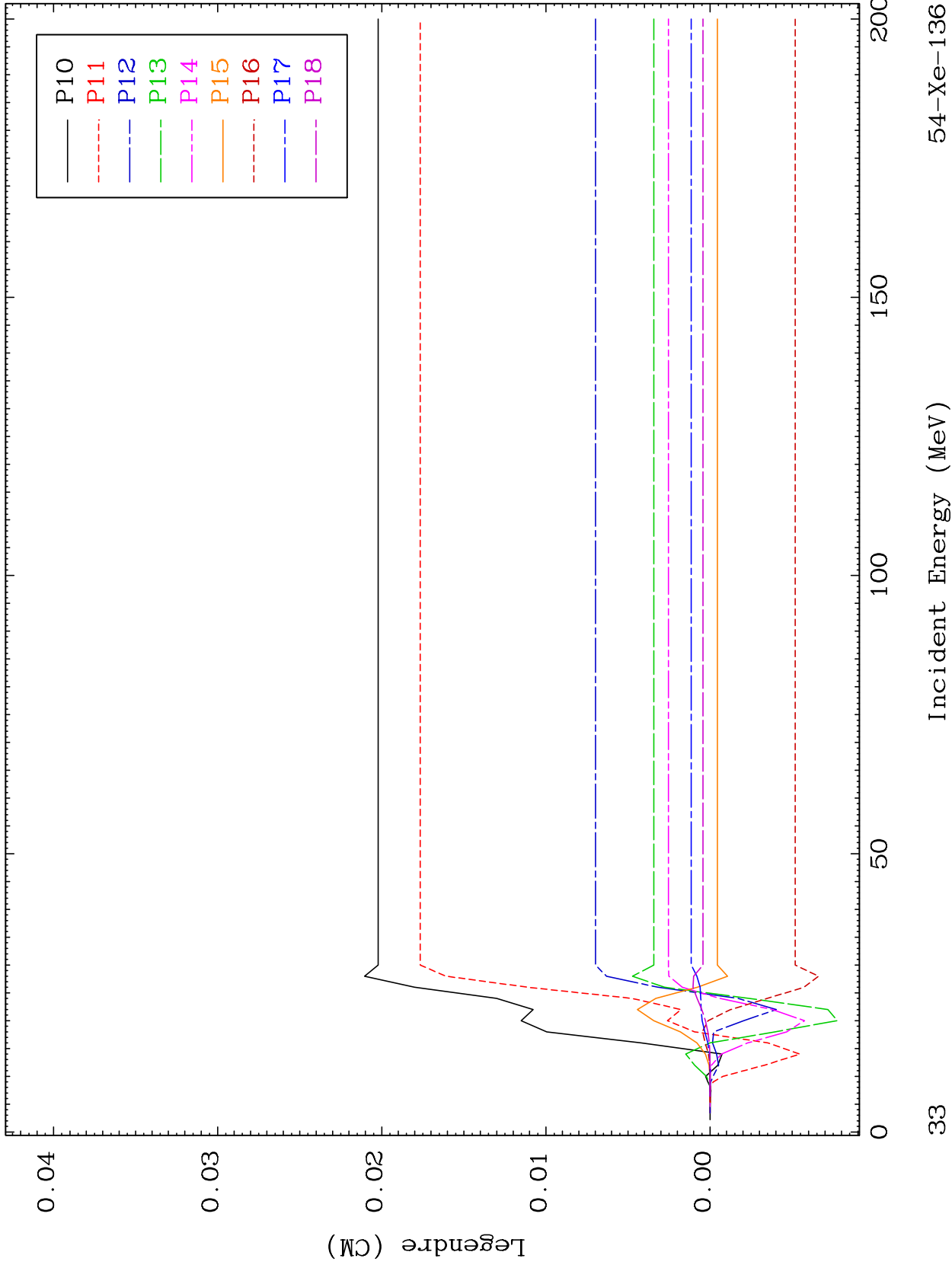
Incident Energy (MeV)

32

MAT 5461

2.126 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



33

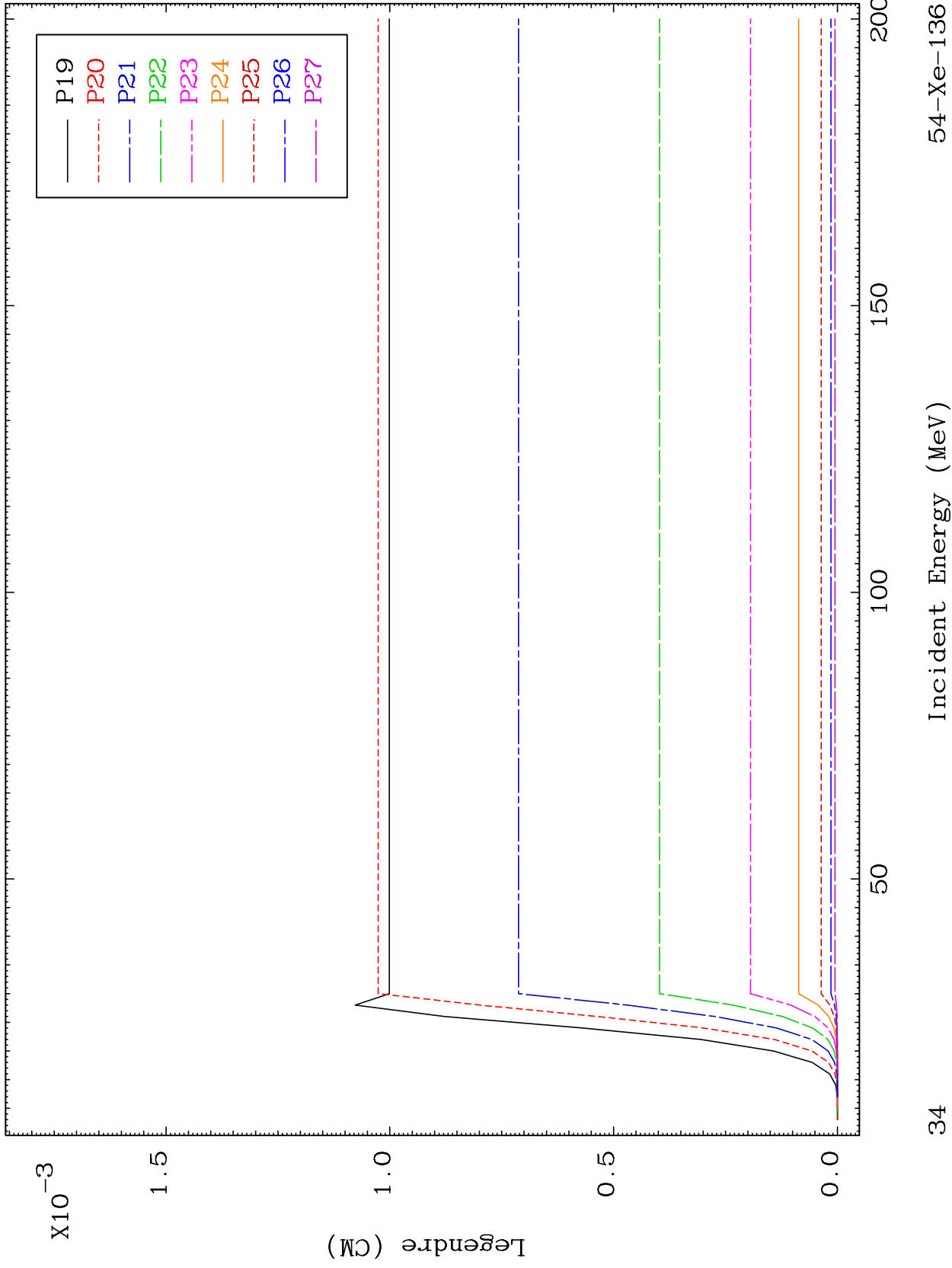
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.126 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



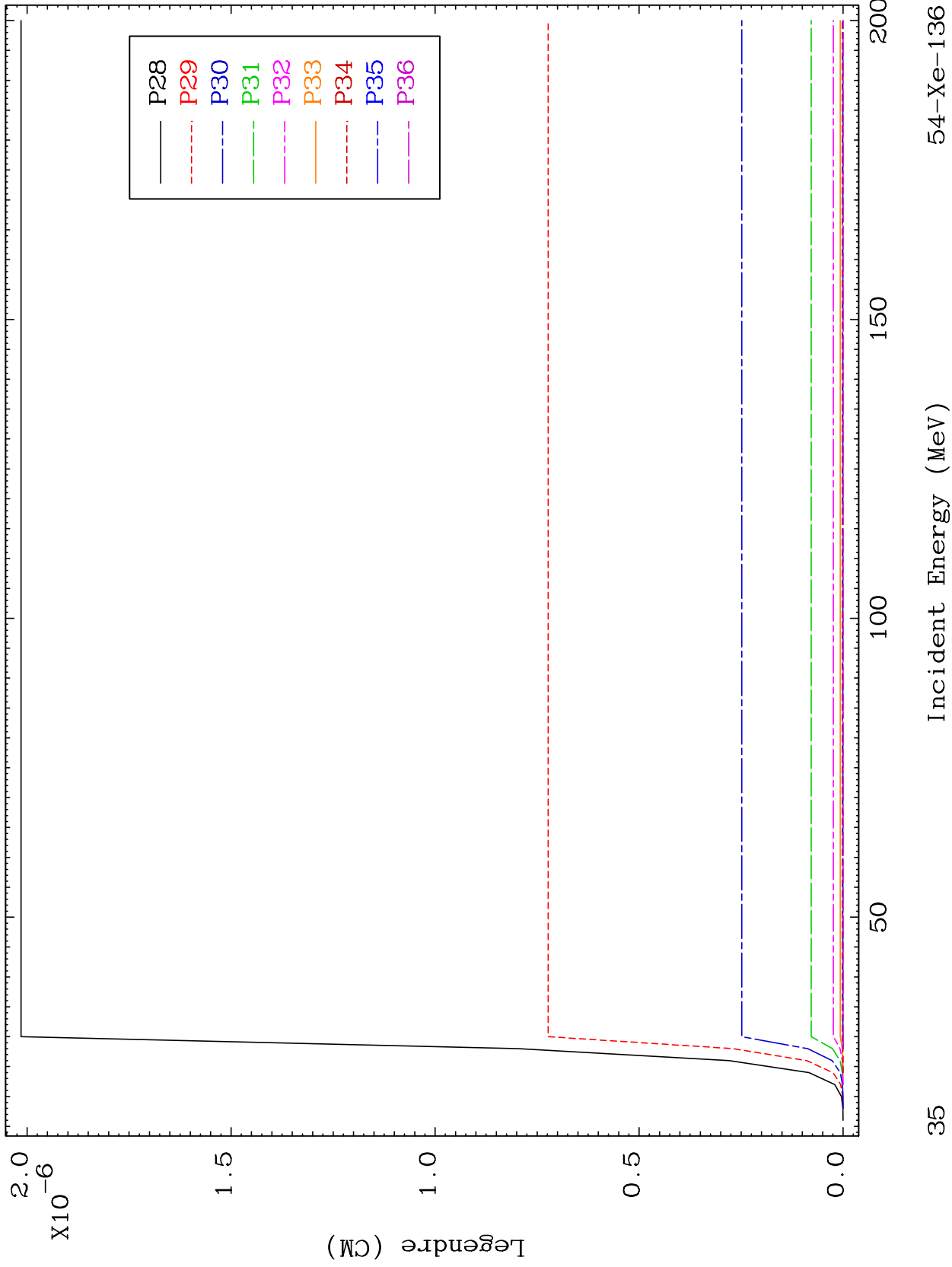
34

54-Xe-136

MAT 5461

2.126 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



35

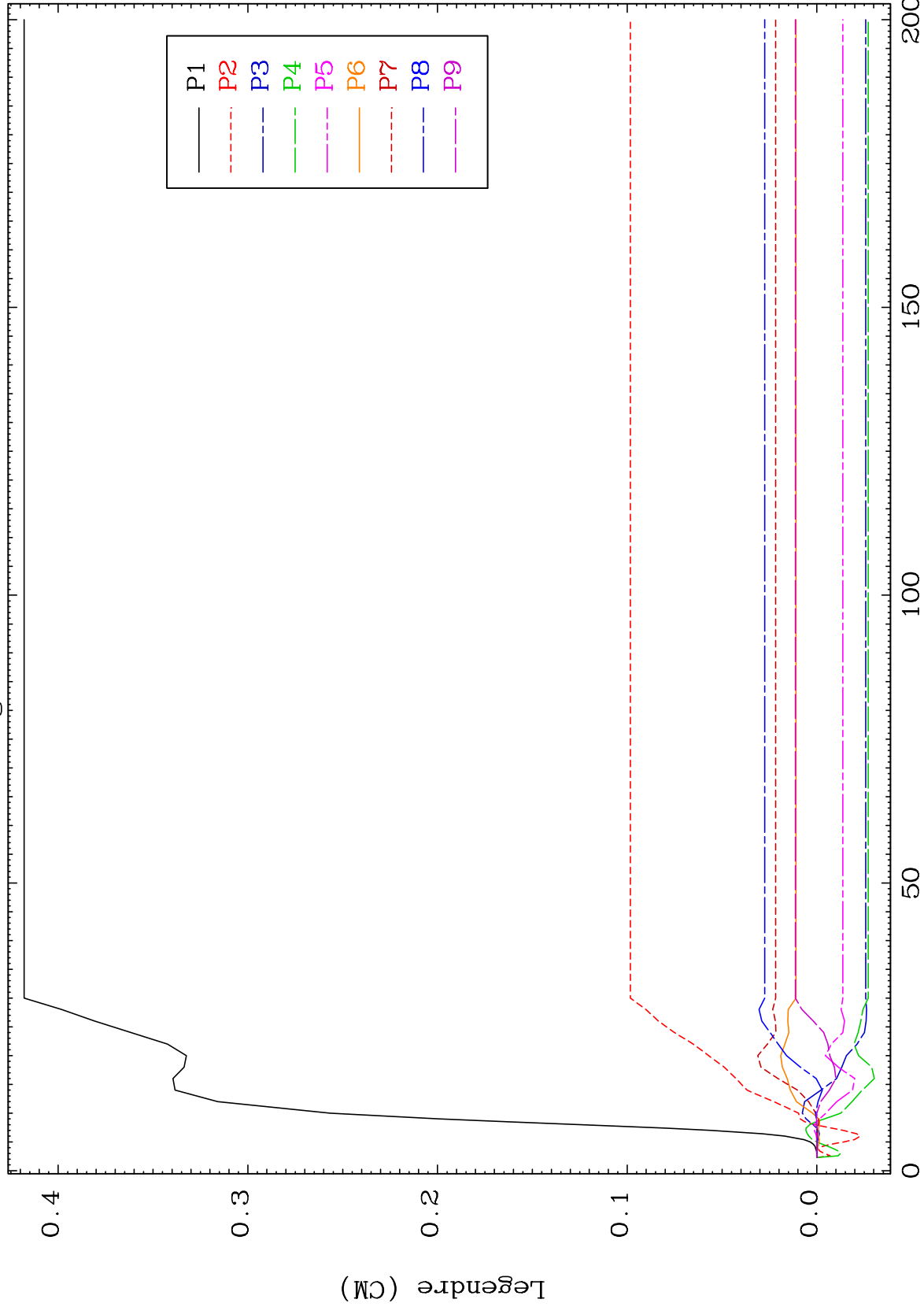
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.262 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



36

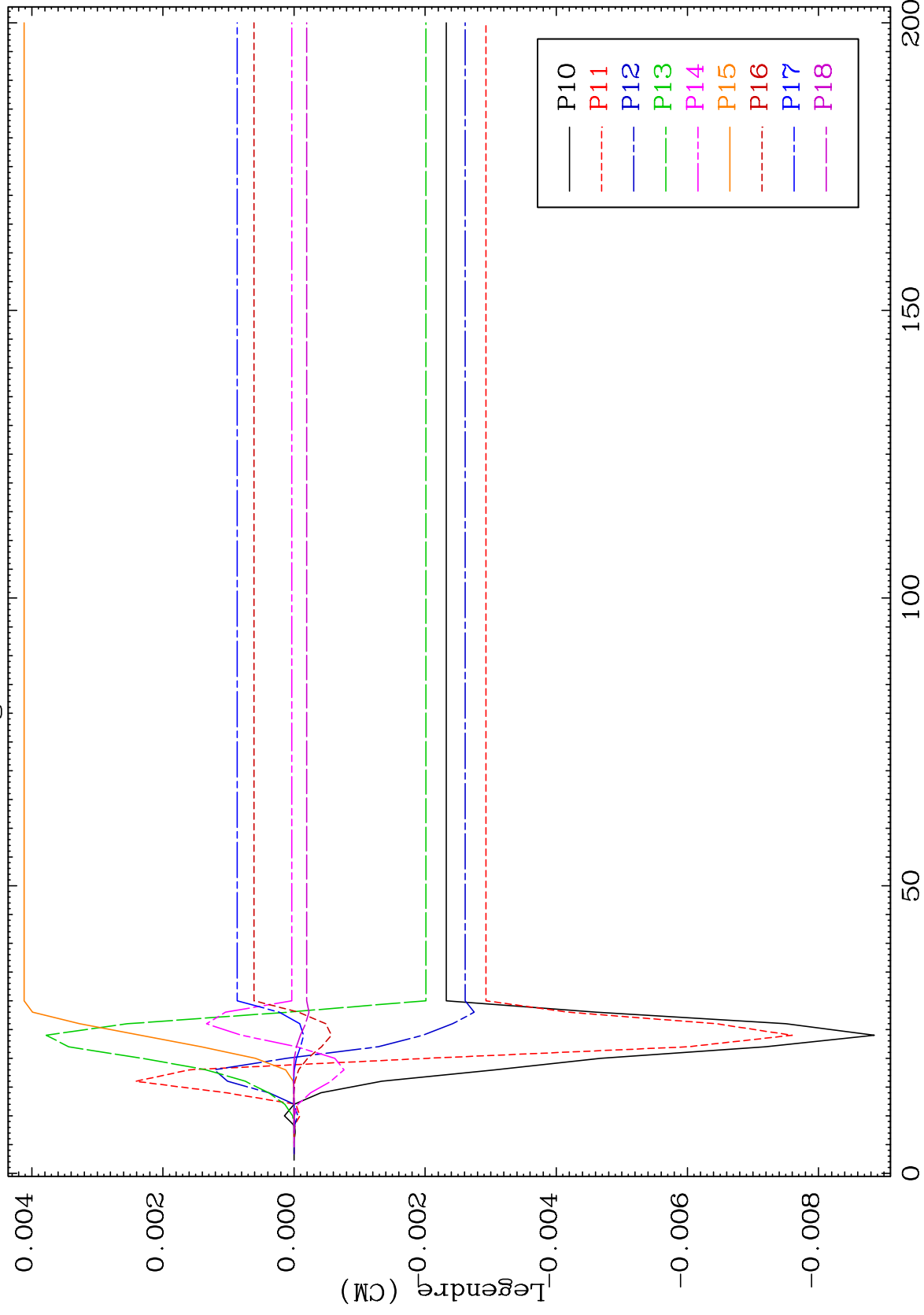
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.262 MeV (n, n') Level  
Legendre Coefficients

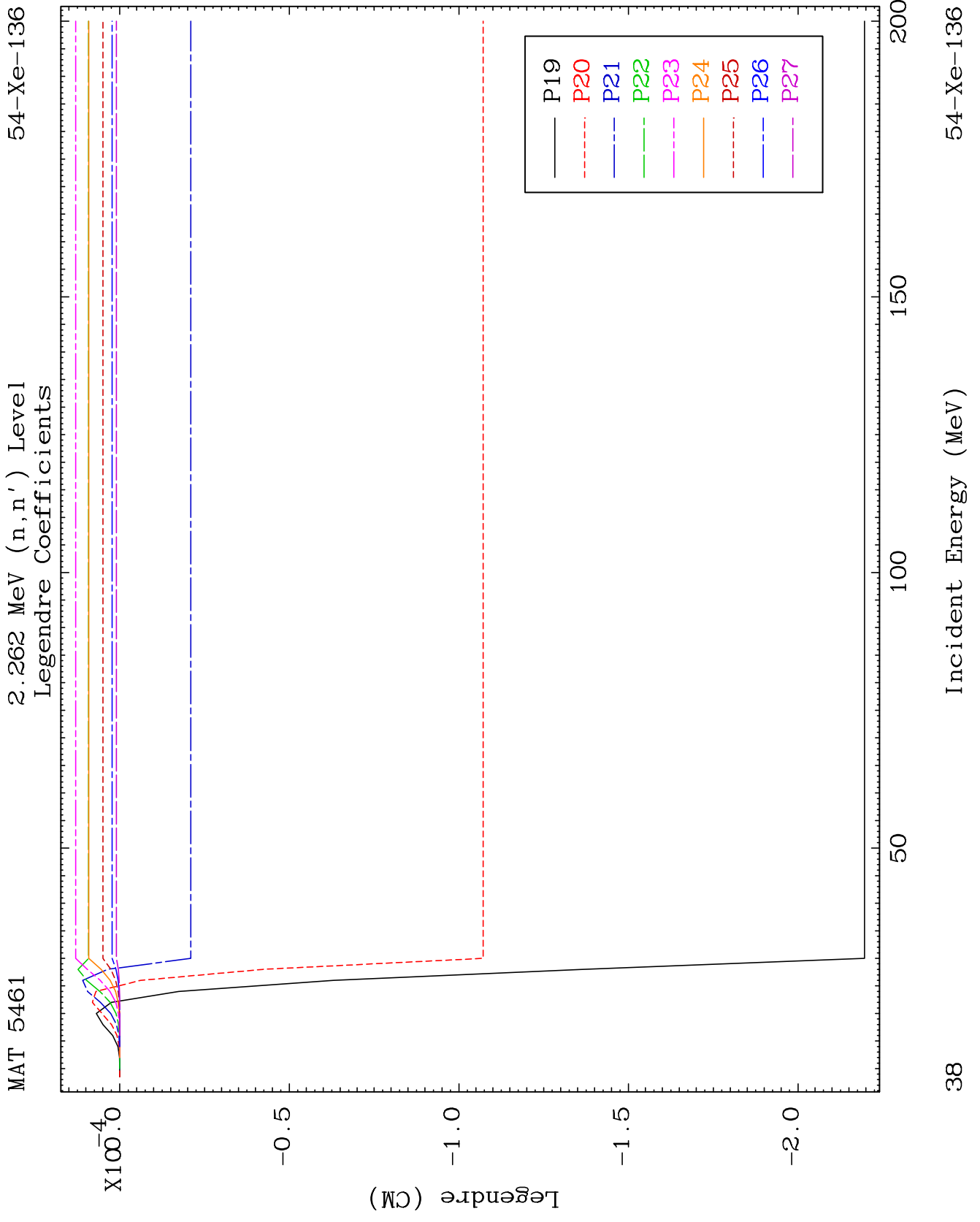
54-Xe-136



37

Incident Energy (MeV)

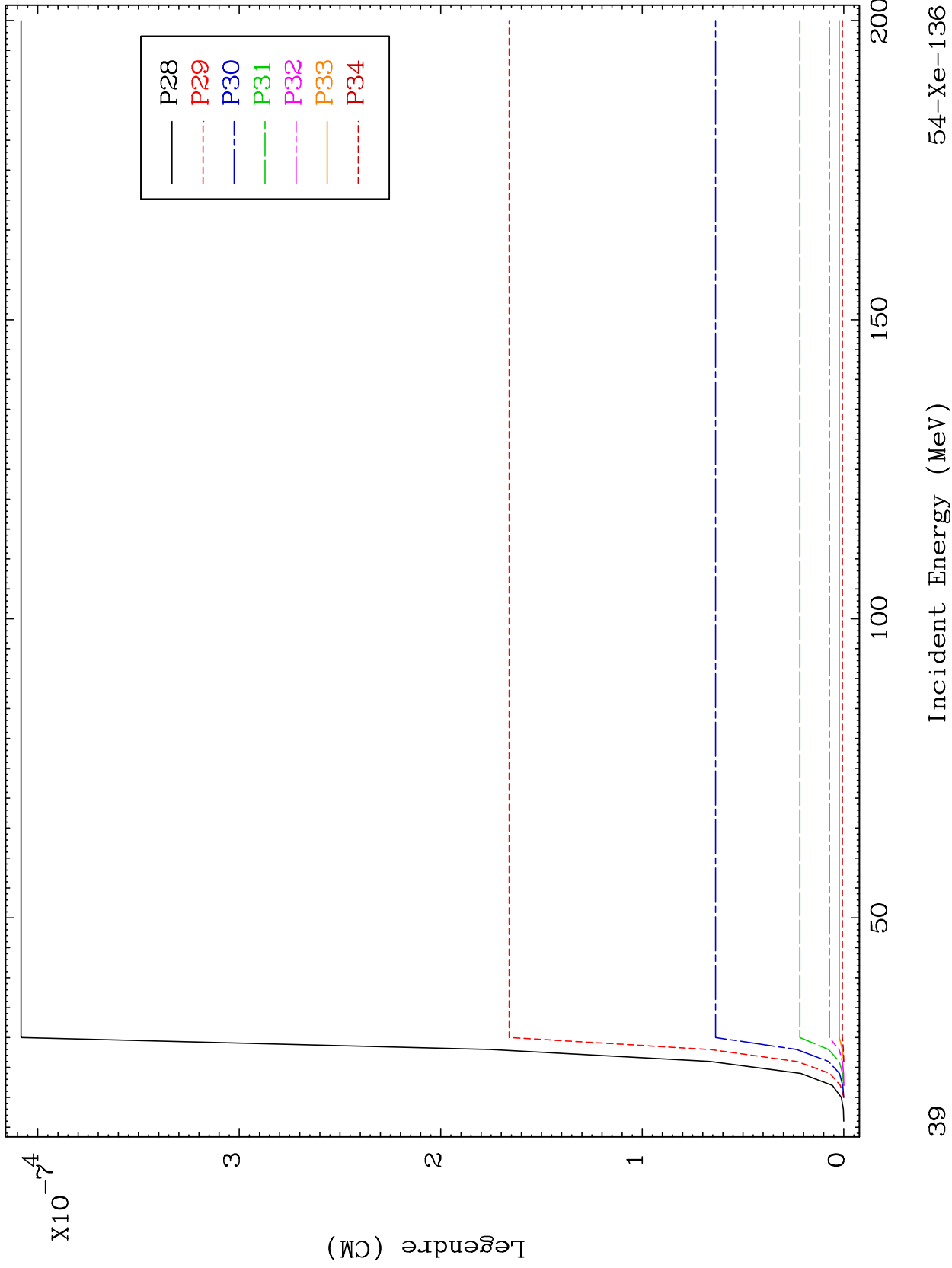
54-Xe-136



MAT 5461

2.262 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136

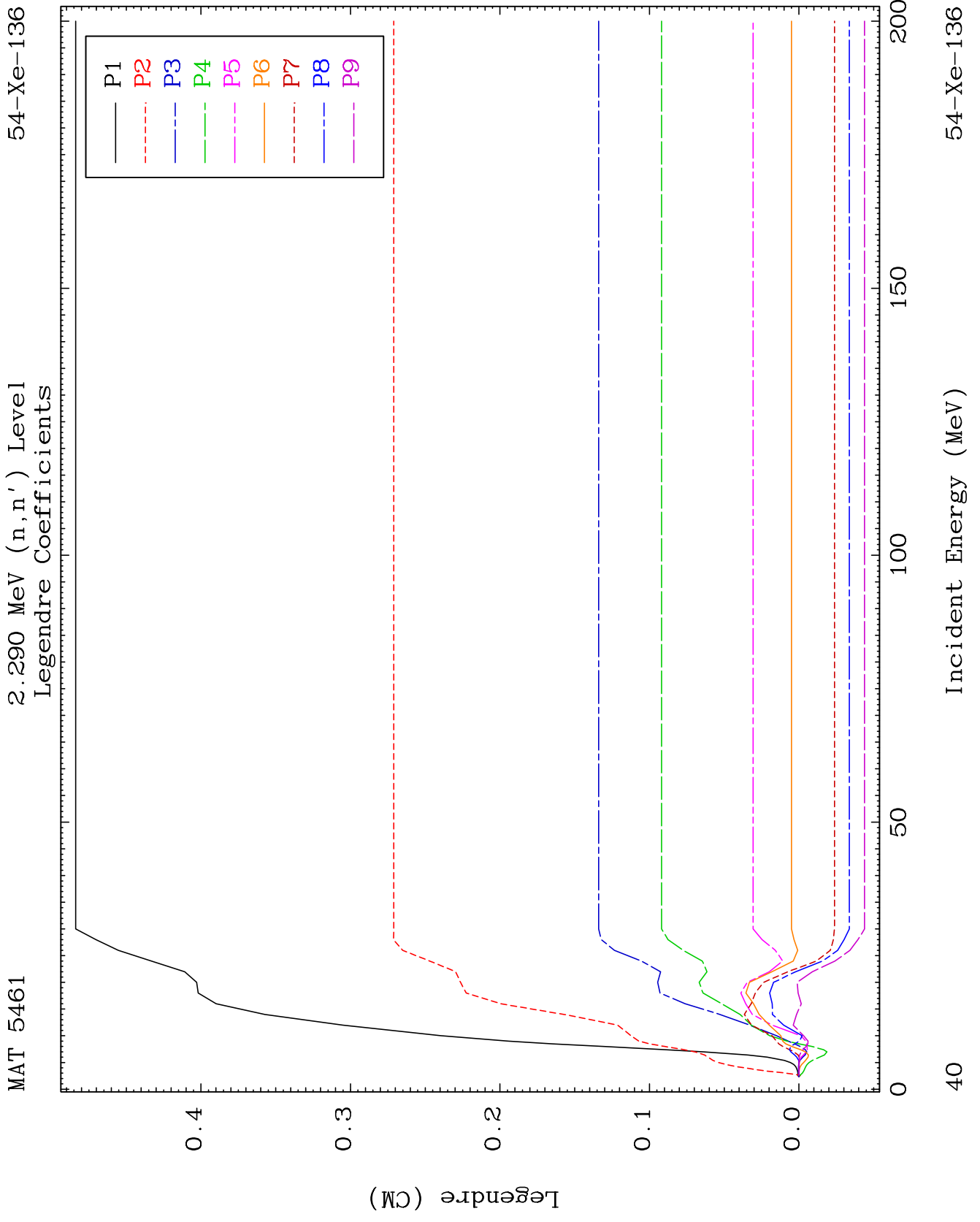


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Incident Energy (MeV)

54-Xe-136

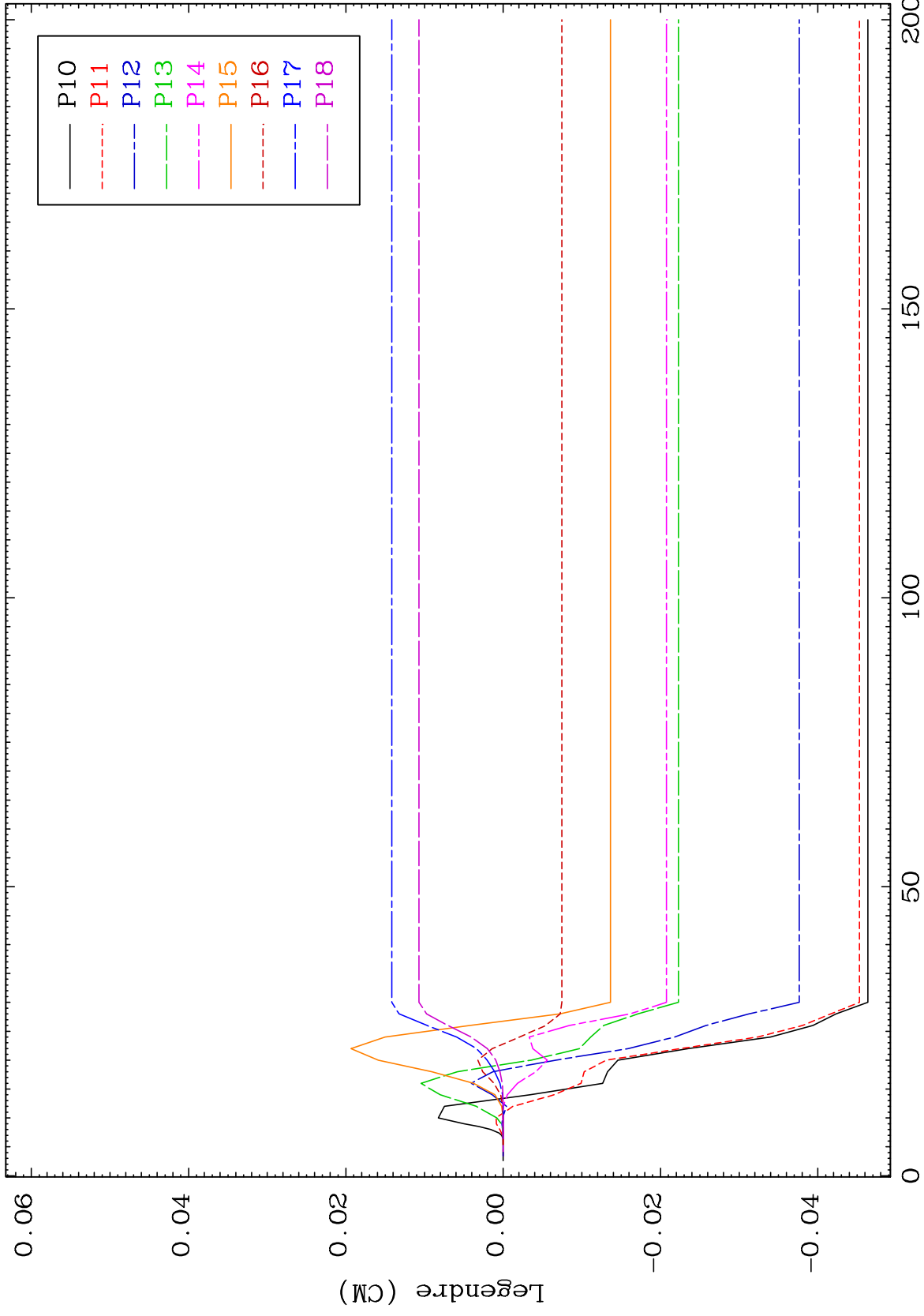




MAT 5461

2.290 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



41

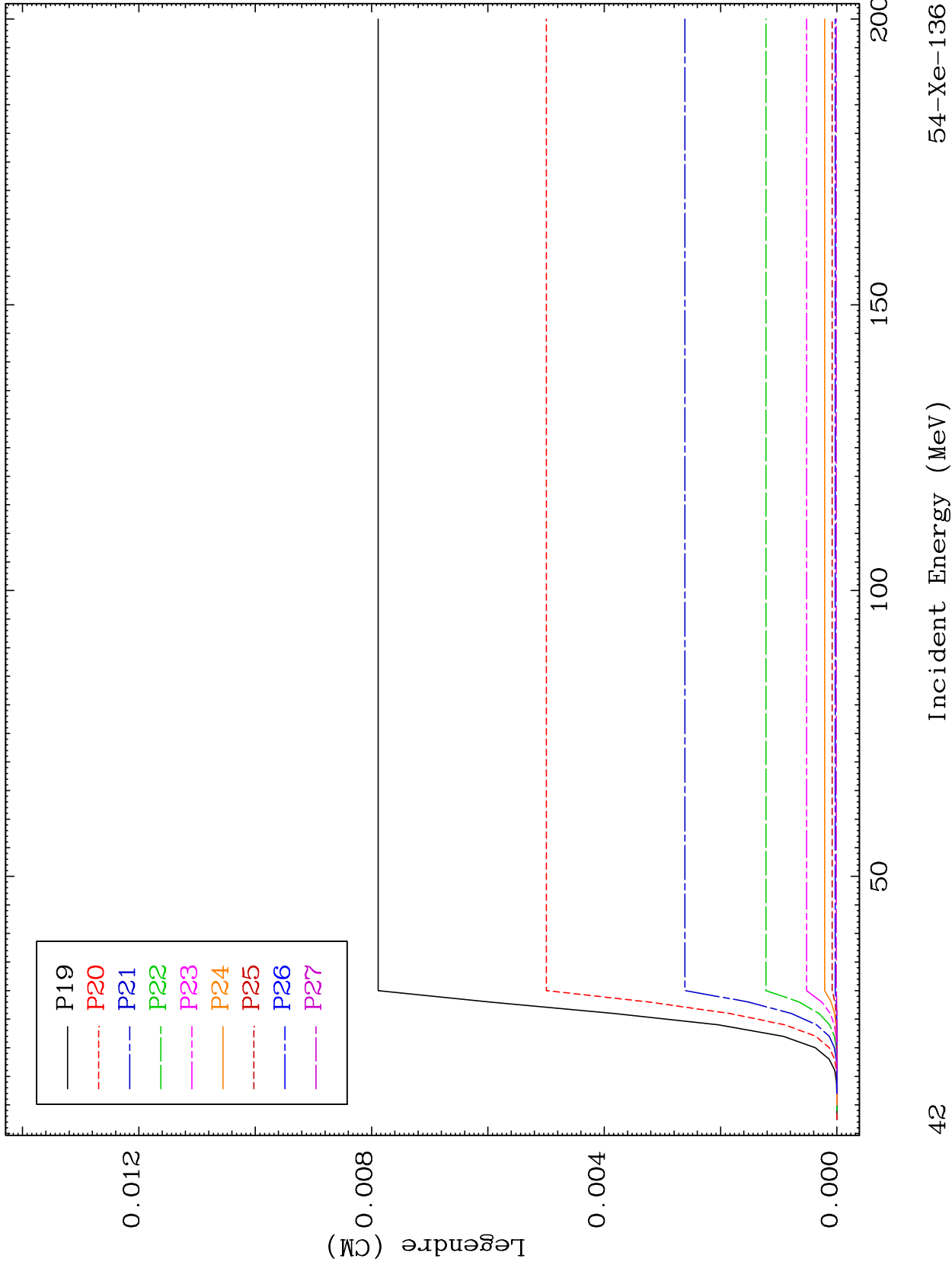
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.290 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



42

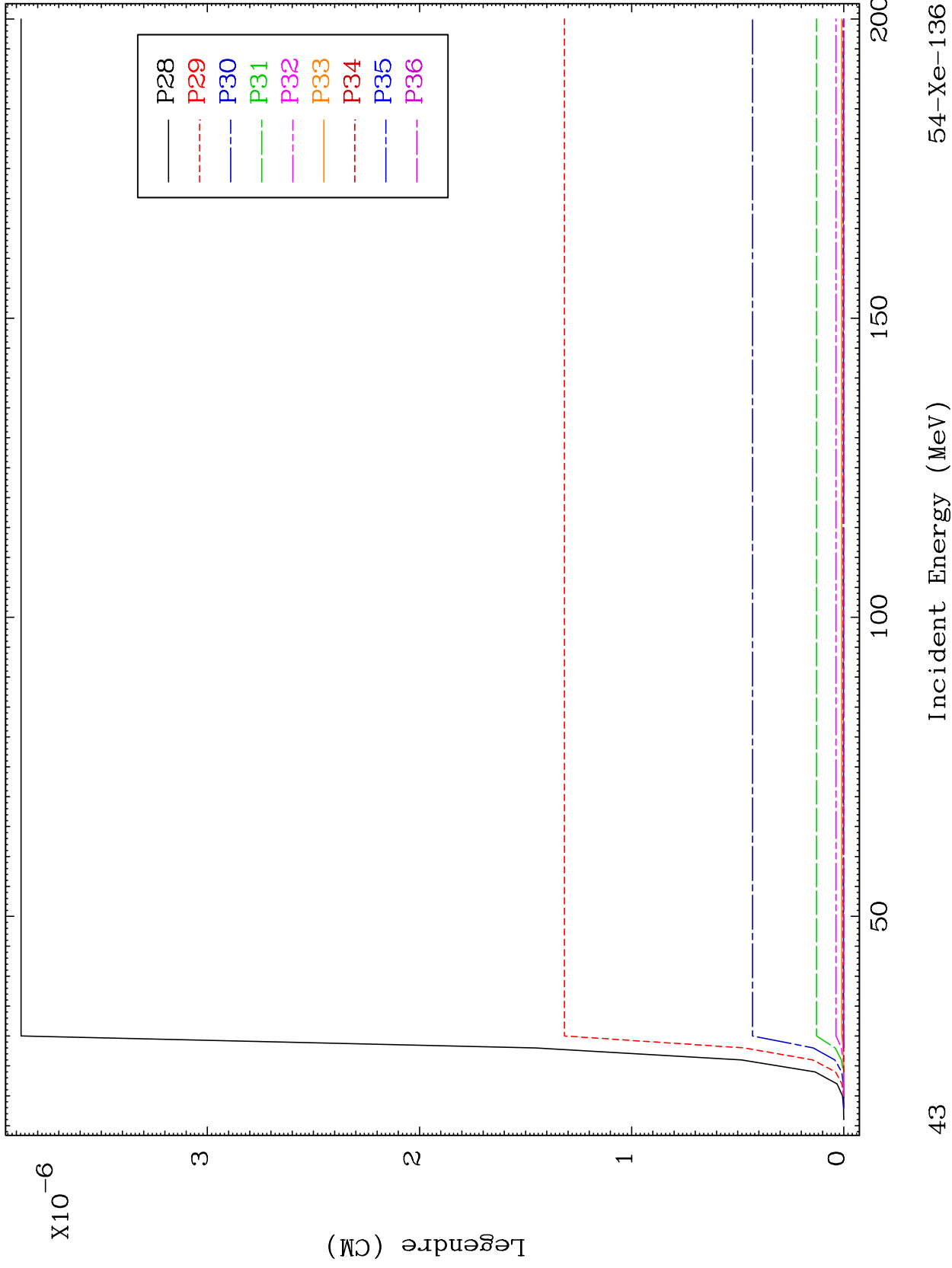
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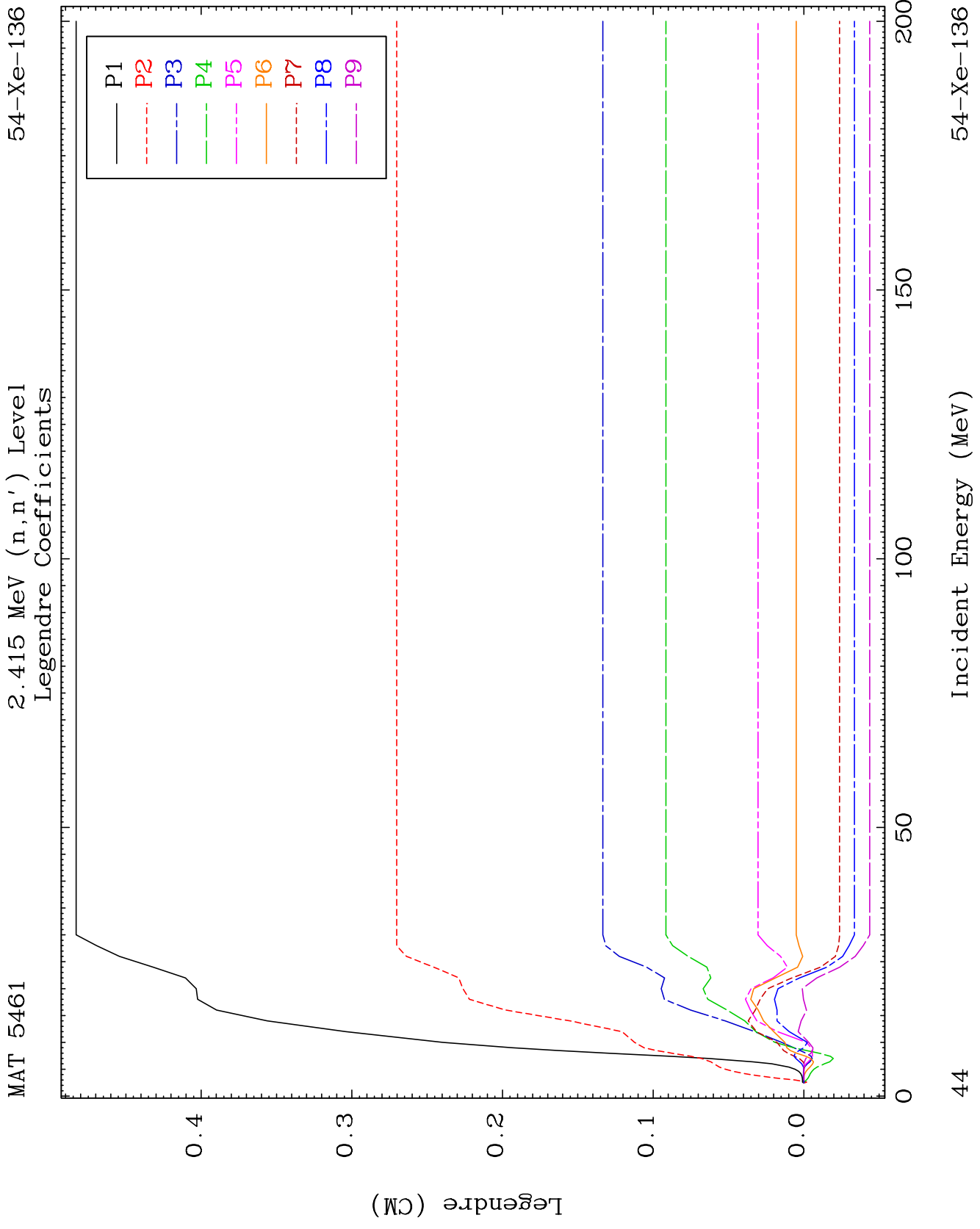
54-Xe-136

MAT 5461

2.290 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136

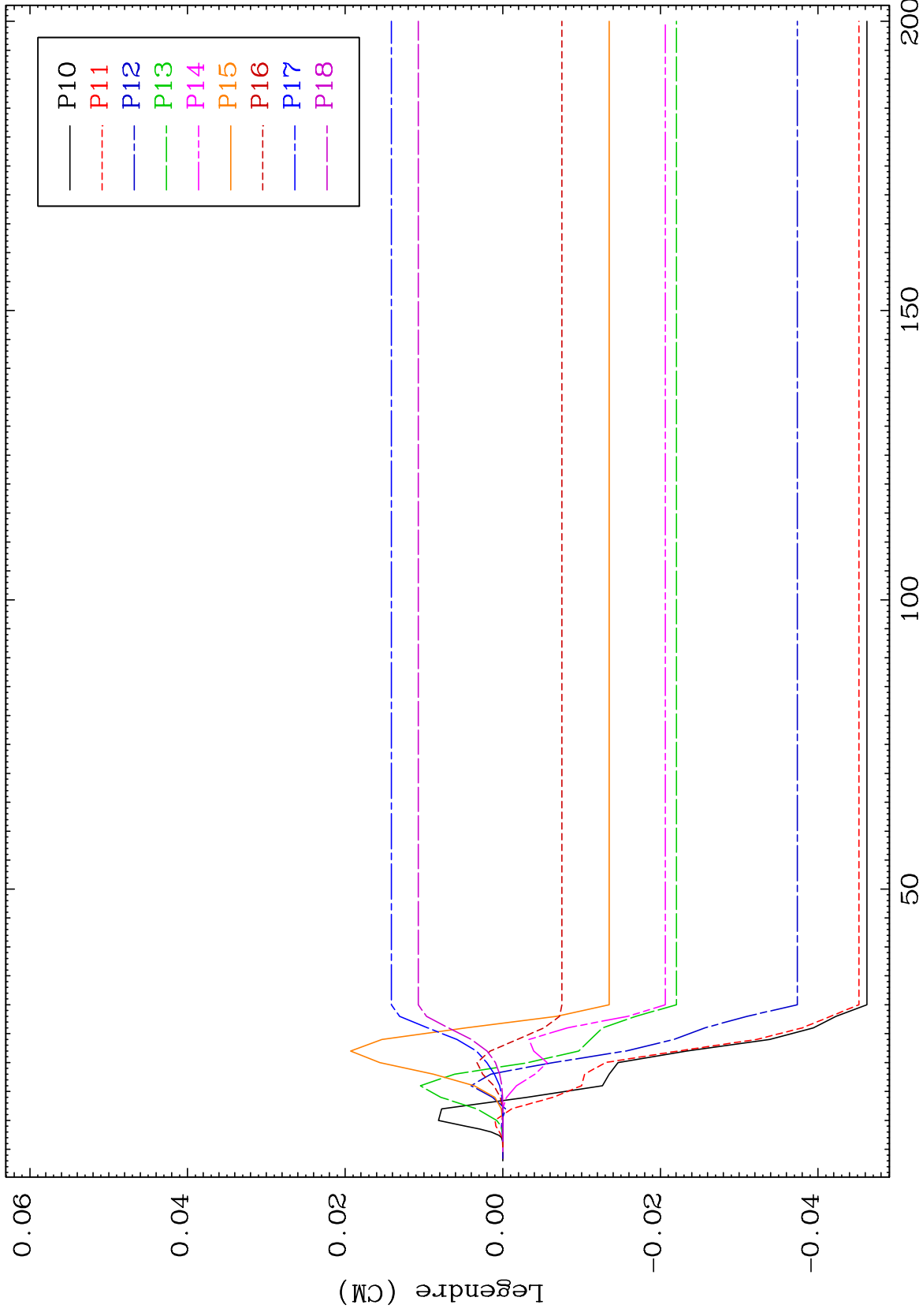




MAT 5461

2.415 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



45

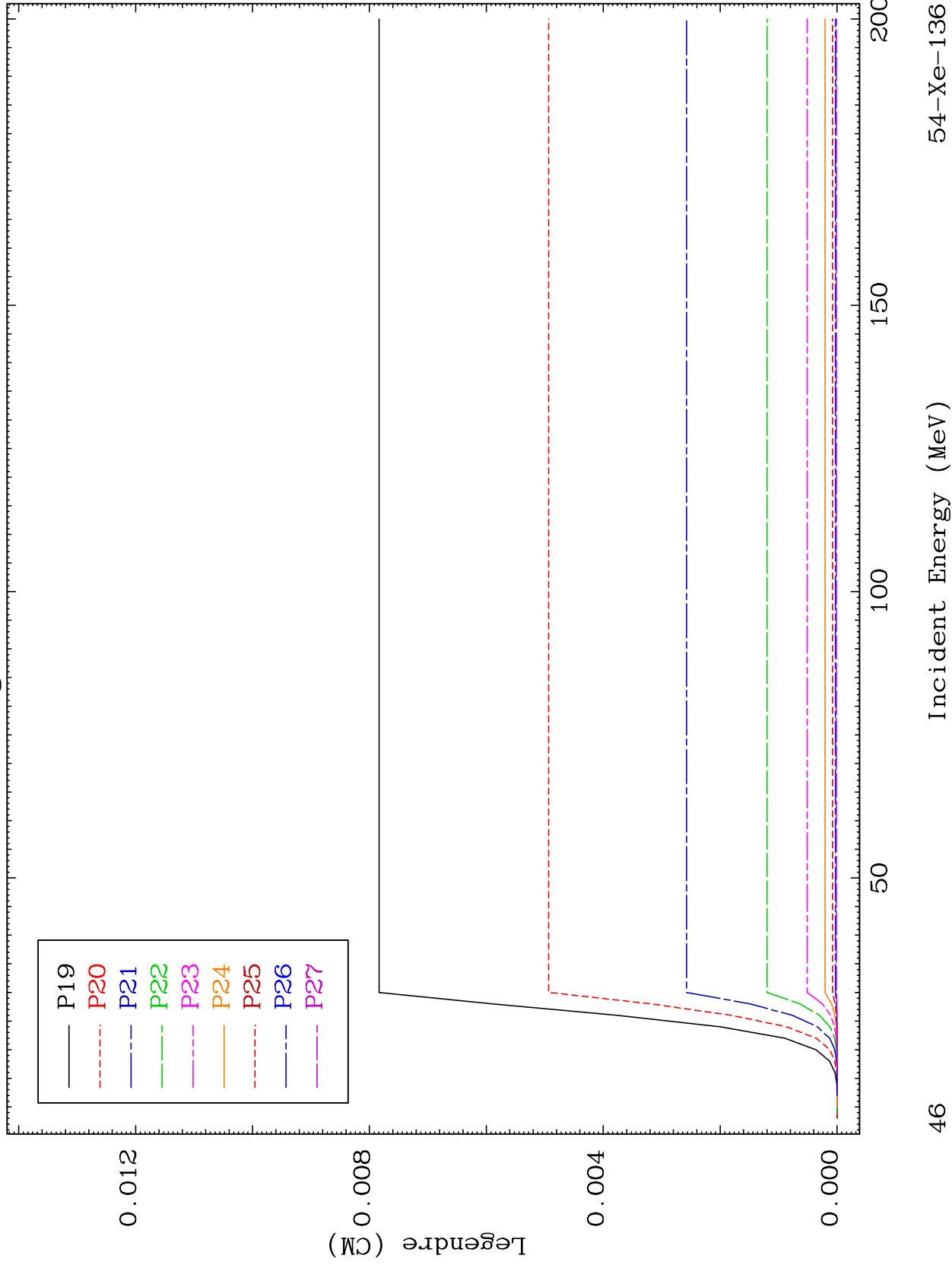
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.415 MeV (n, n') Level  
Legendre Coefficients

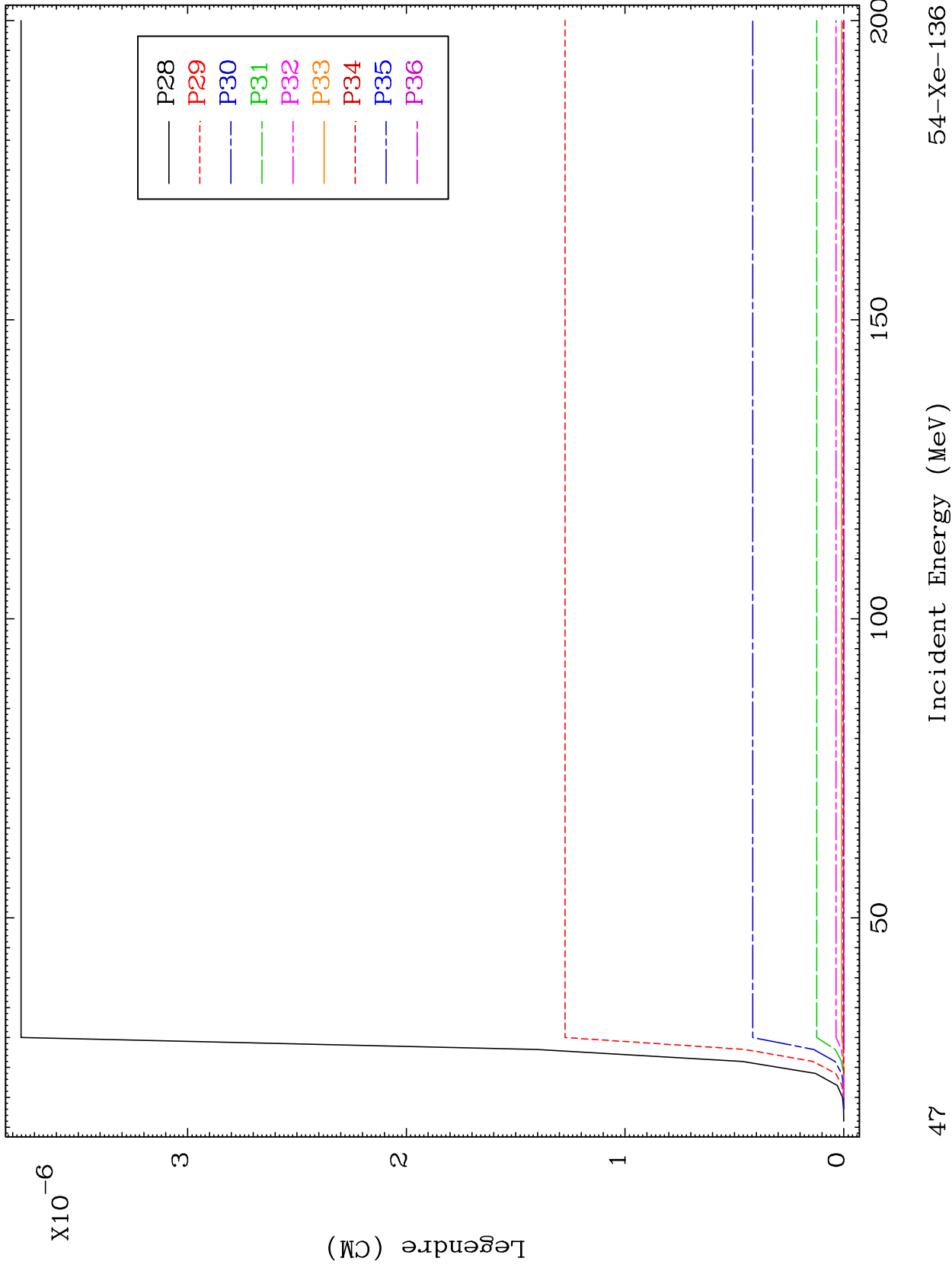
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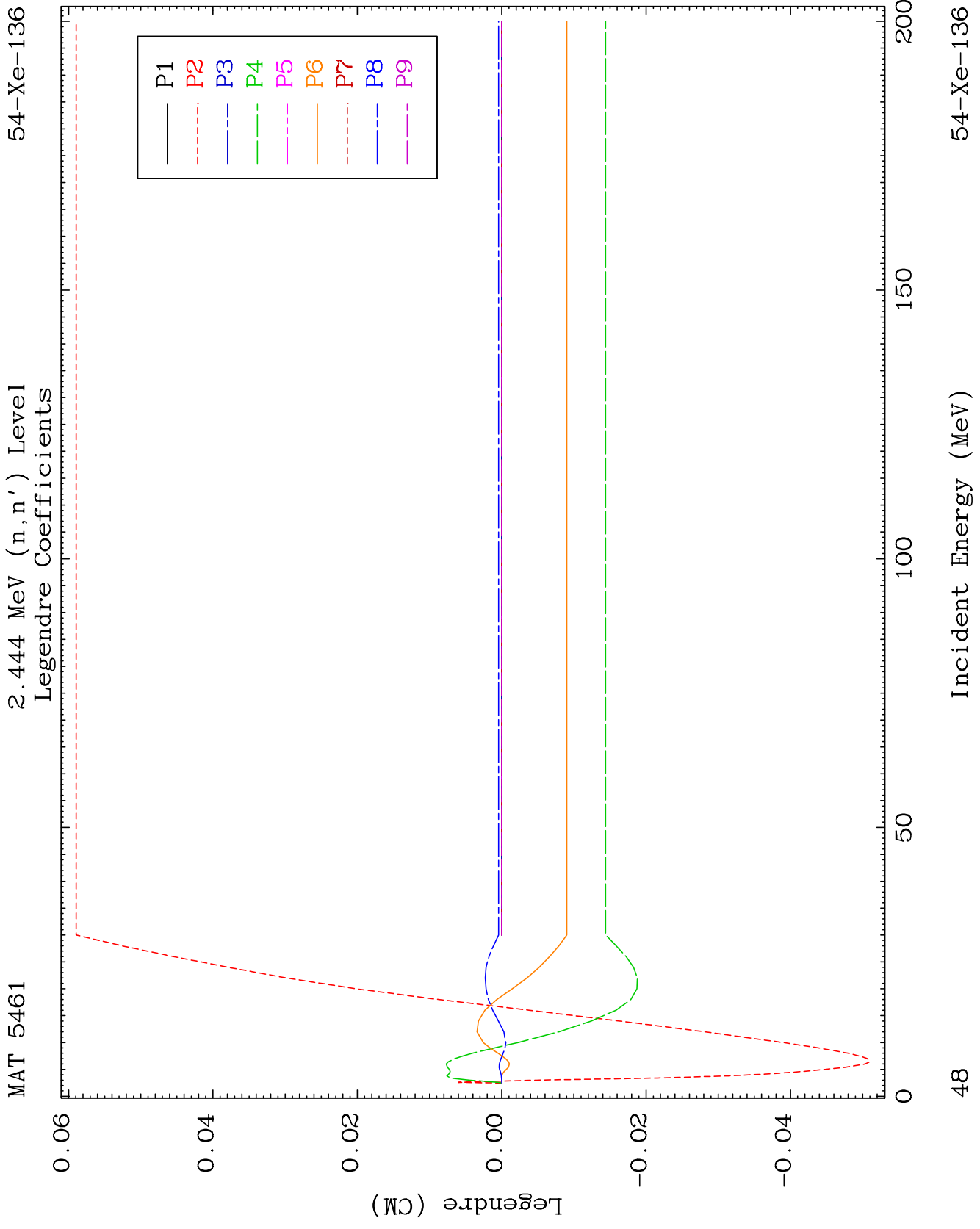
MAT 5461

2.415 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



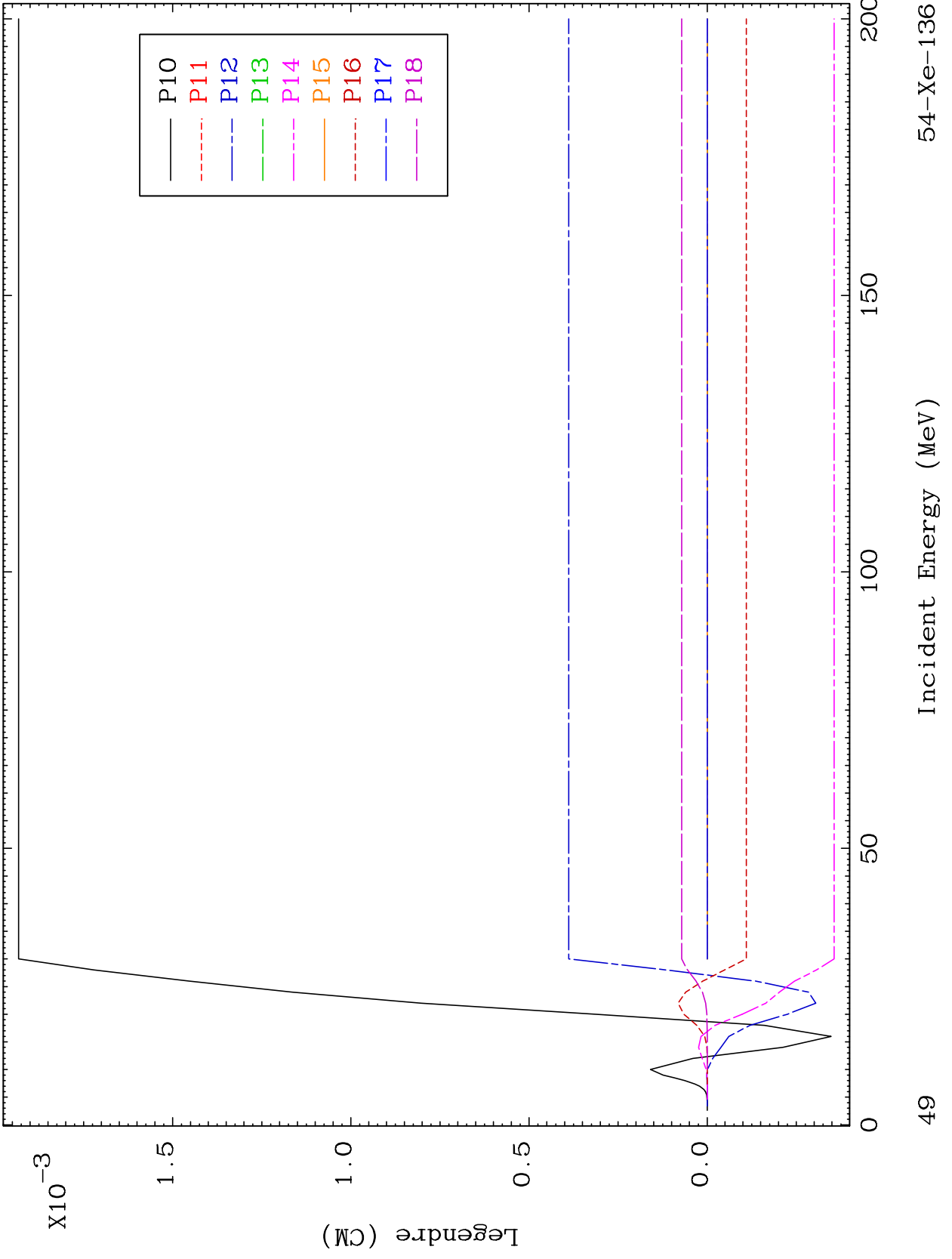




MAT 5461

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Legendre Coefficients

54-Xe-136



49

Incident Energy (MeV)

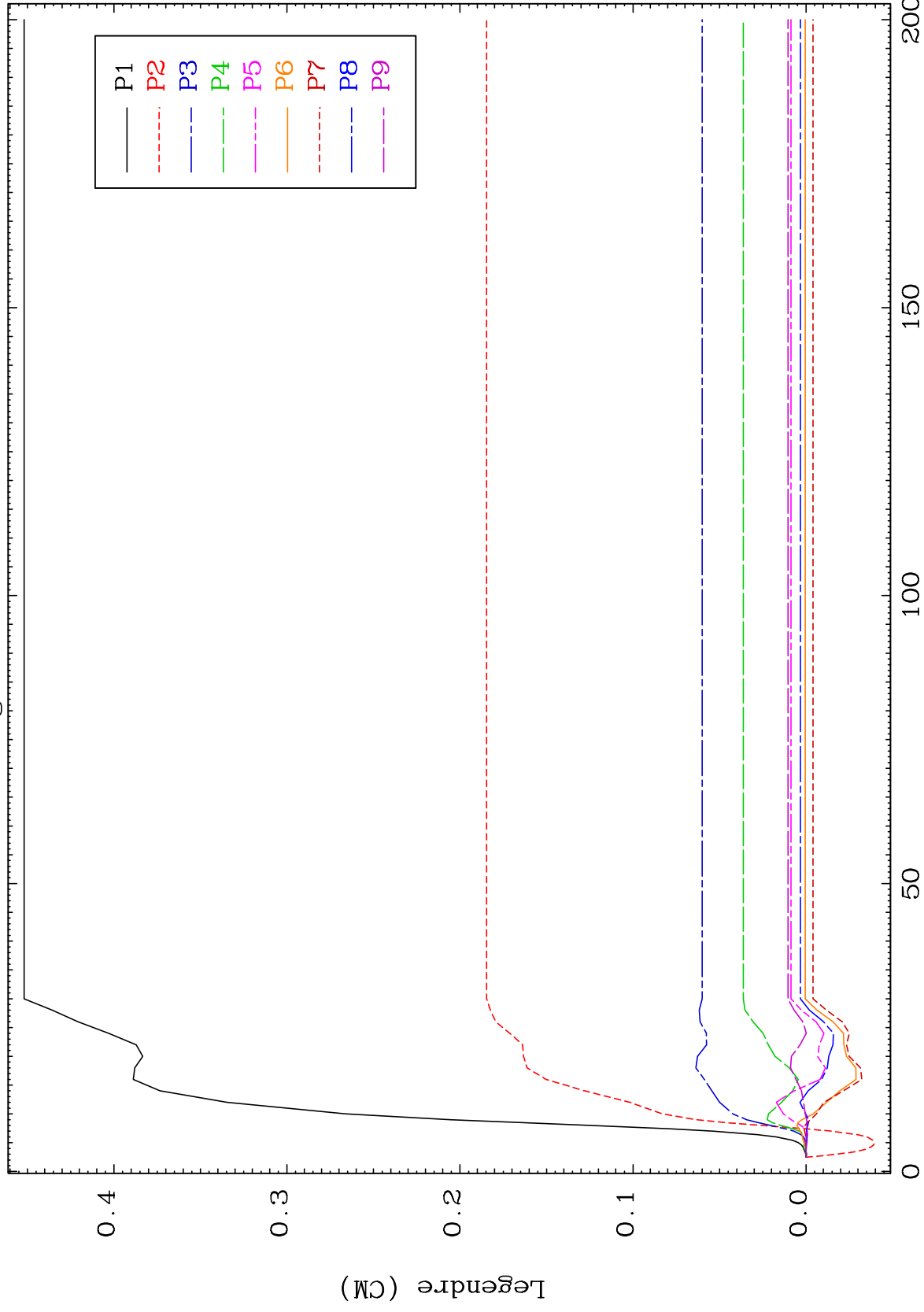
54-Xe-136



MAT 5461

2.465 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



51

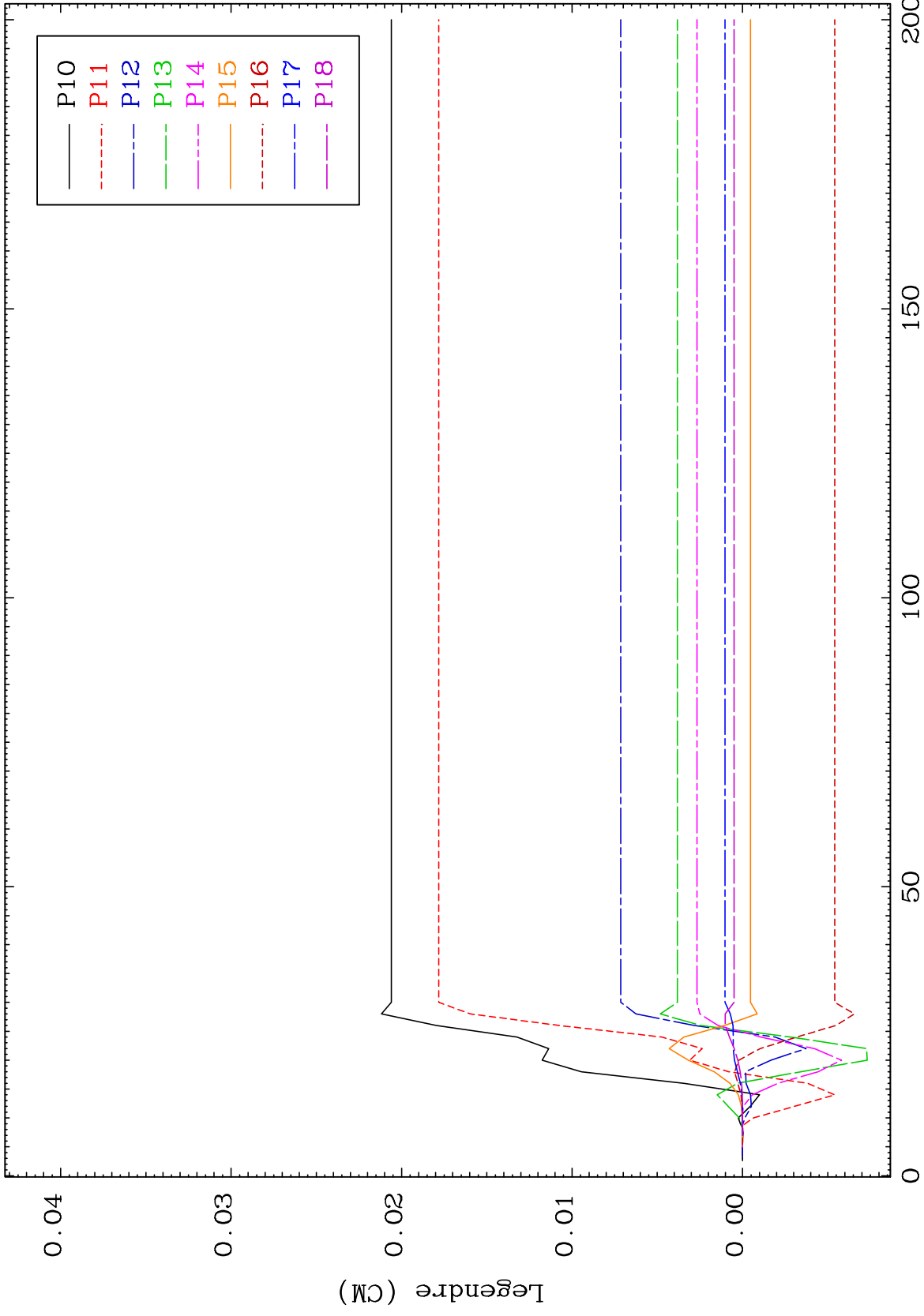
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.465 MeV (n,n') Level  
Legendre Coefficients

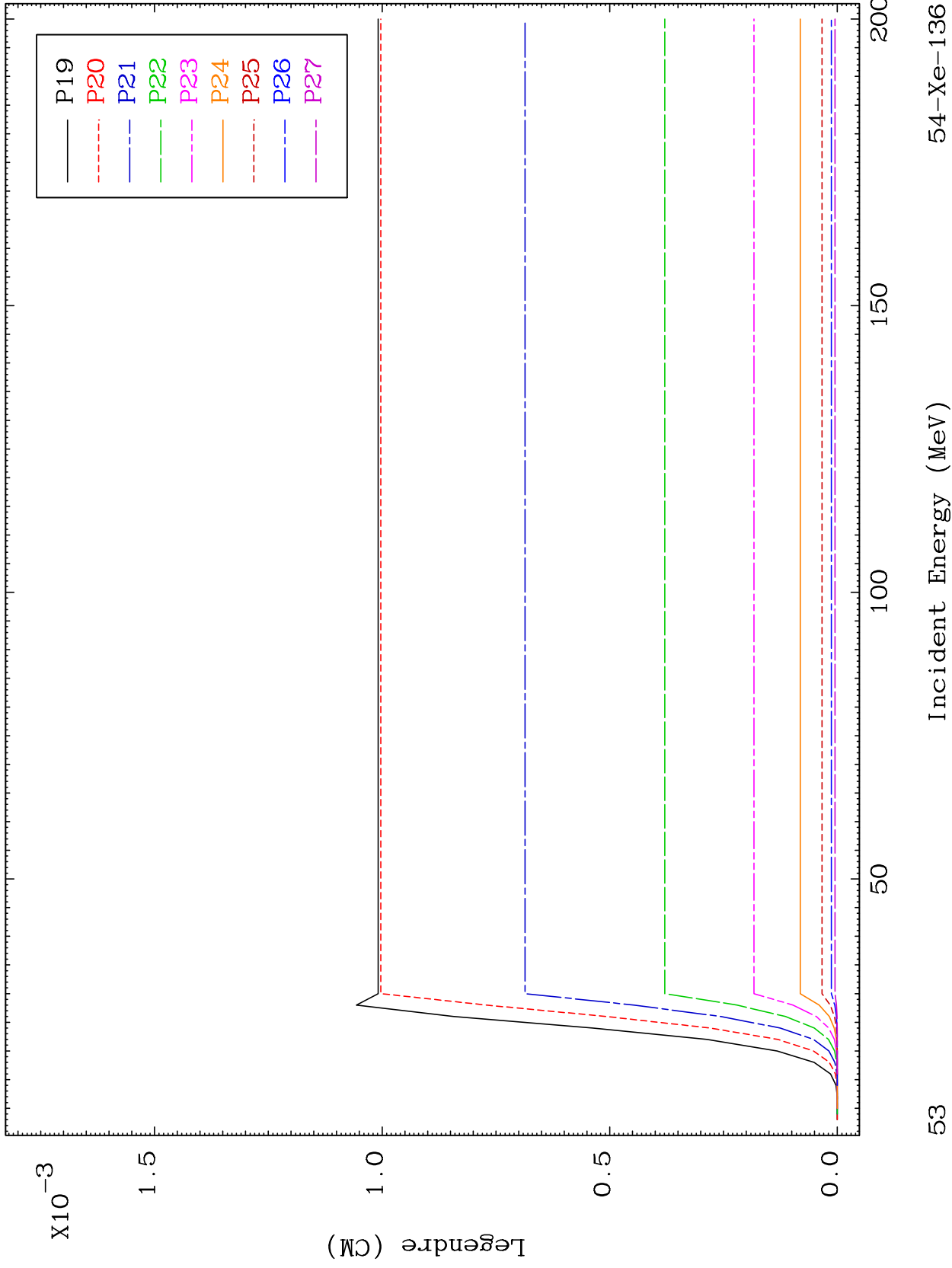
54-Xe-136



52

Incident Energy (MeV)

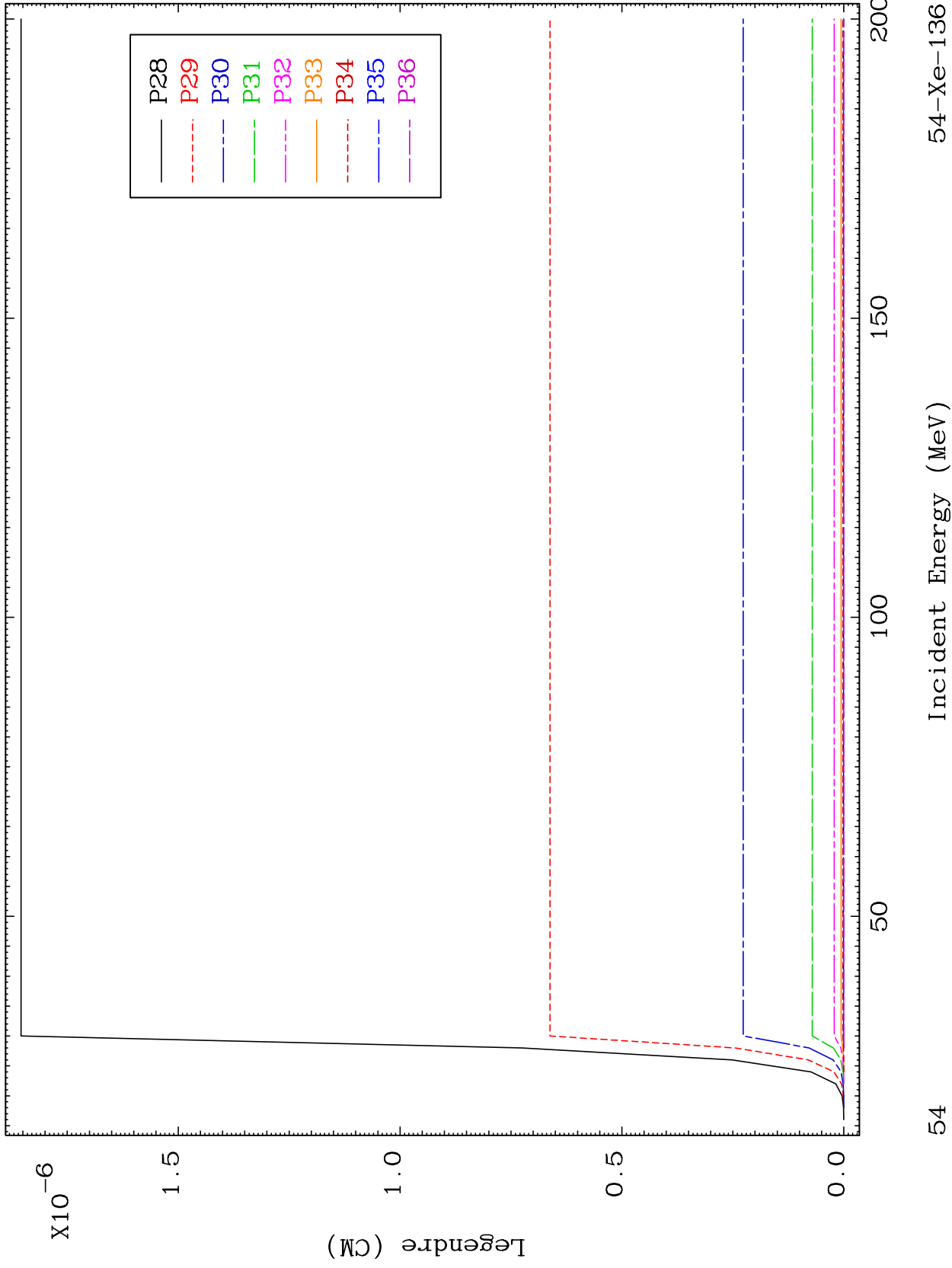
54-Xe-136



MAT 5461

2.465 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



54

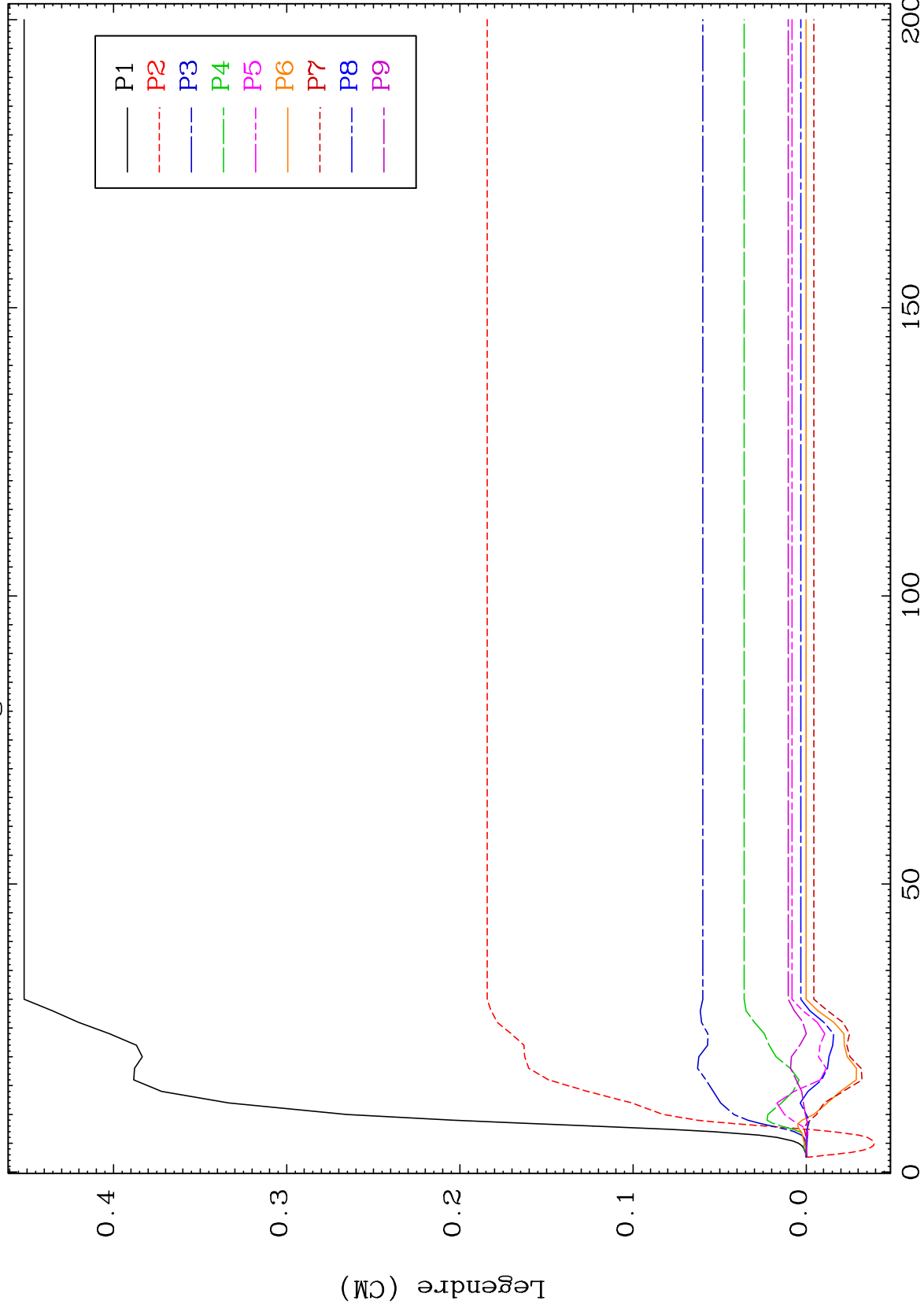
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.560 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136

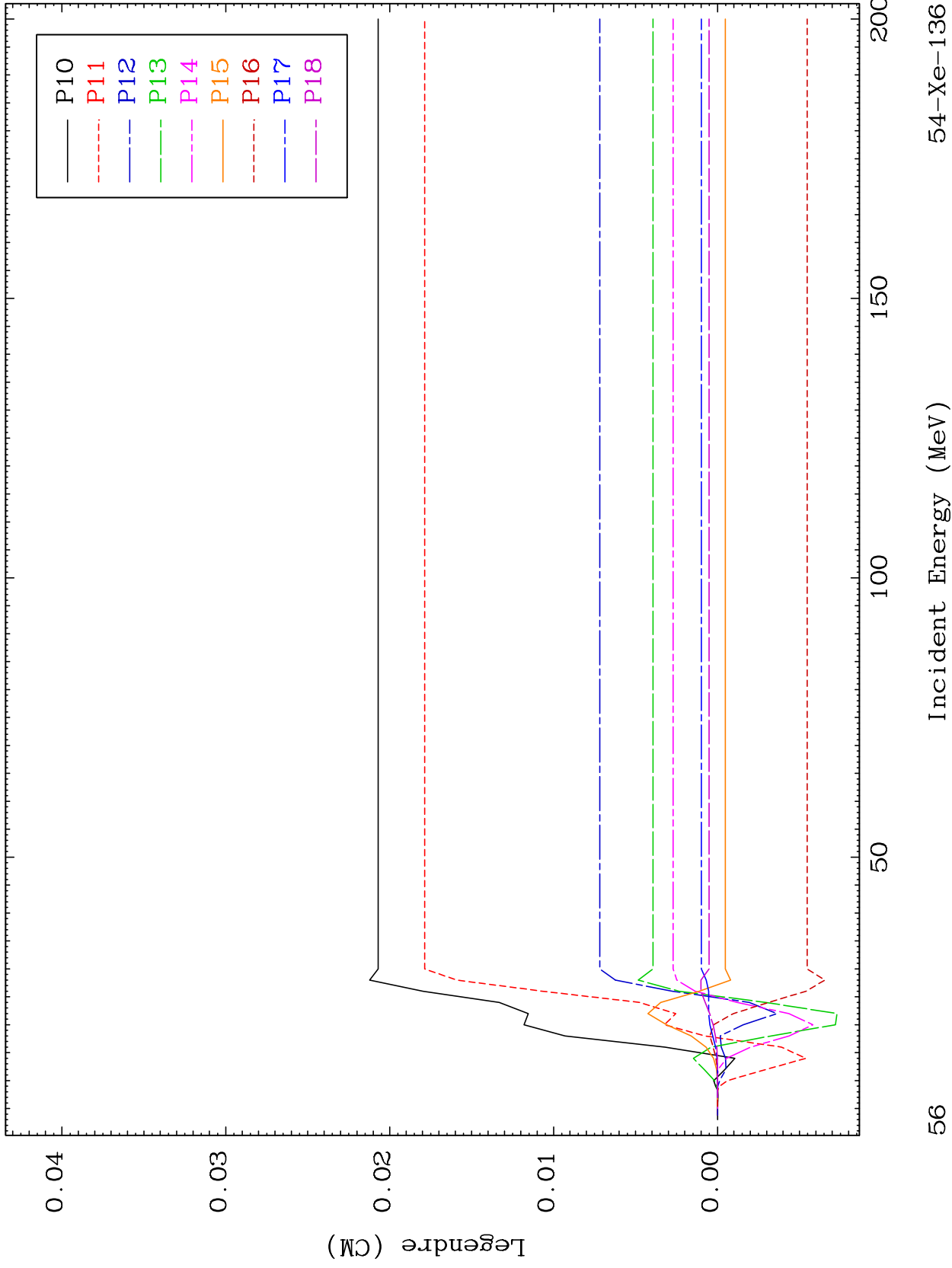


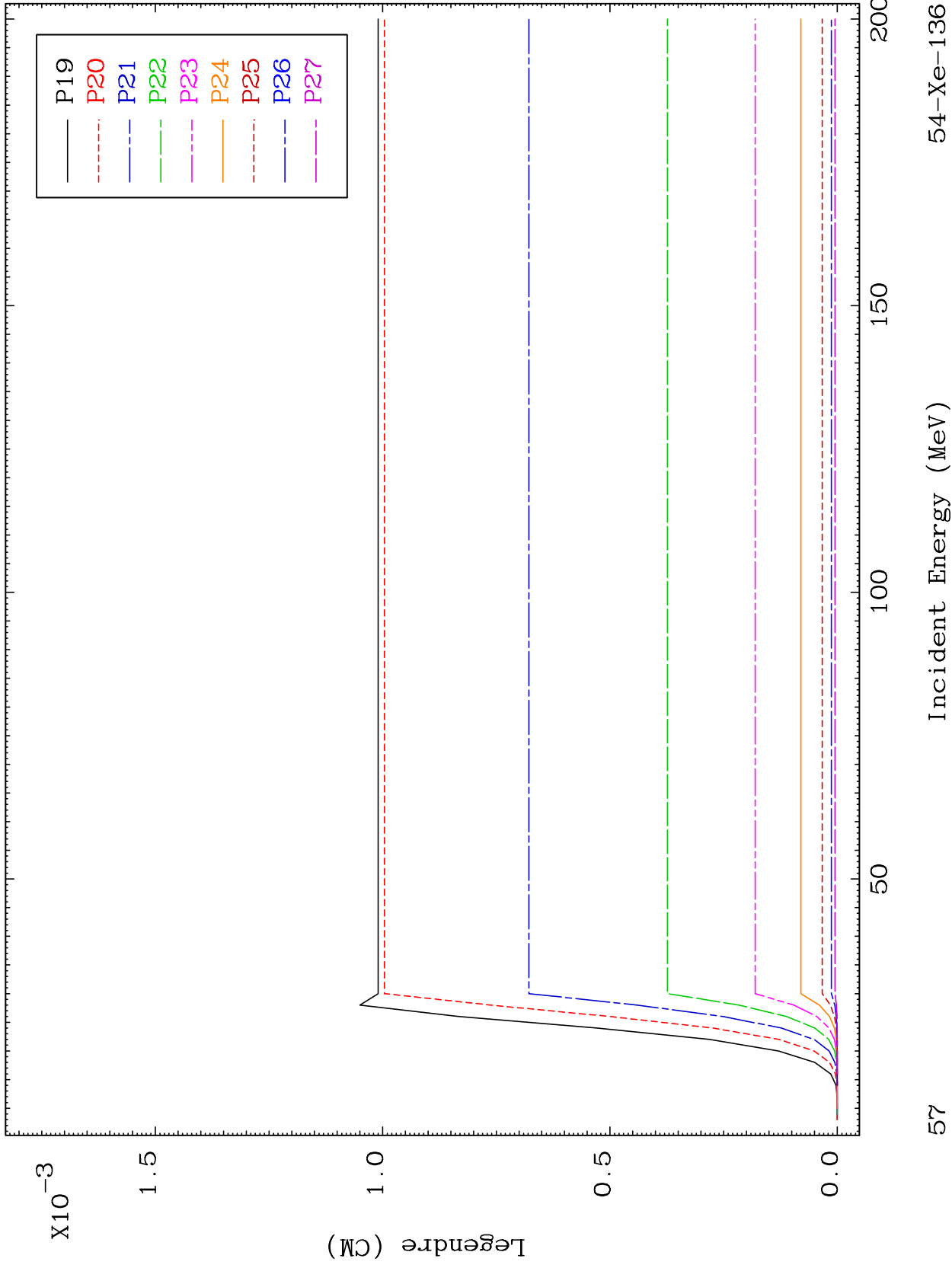
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Incident Energy (MeV)

55



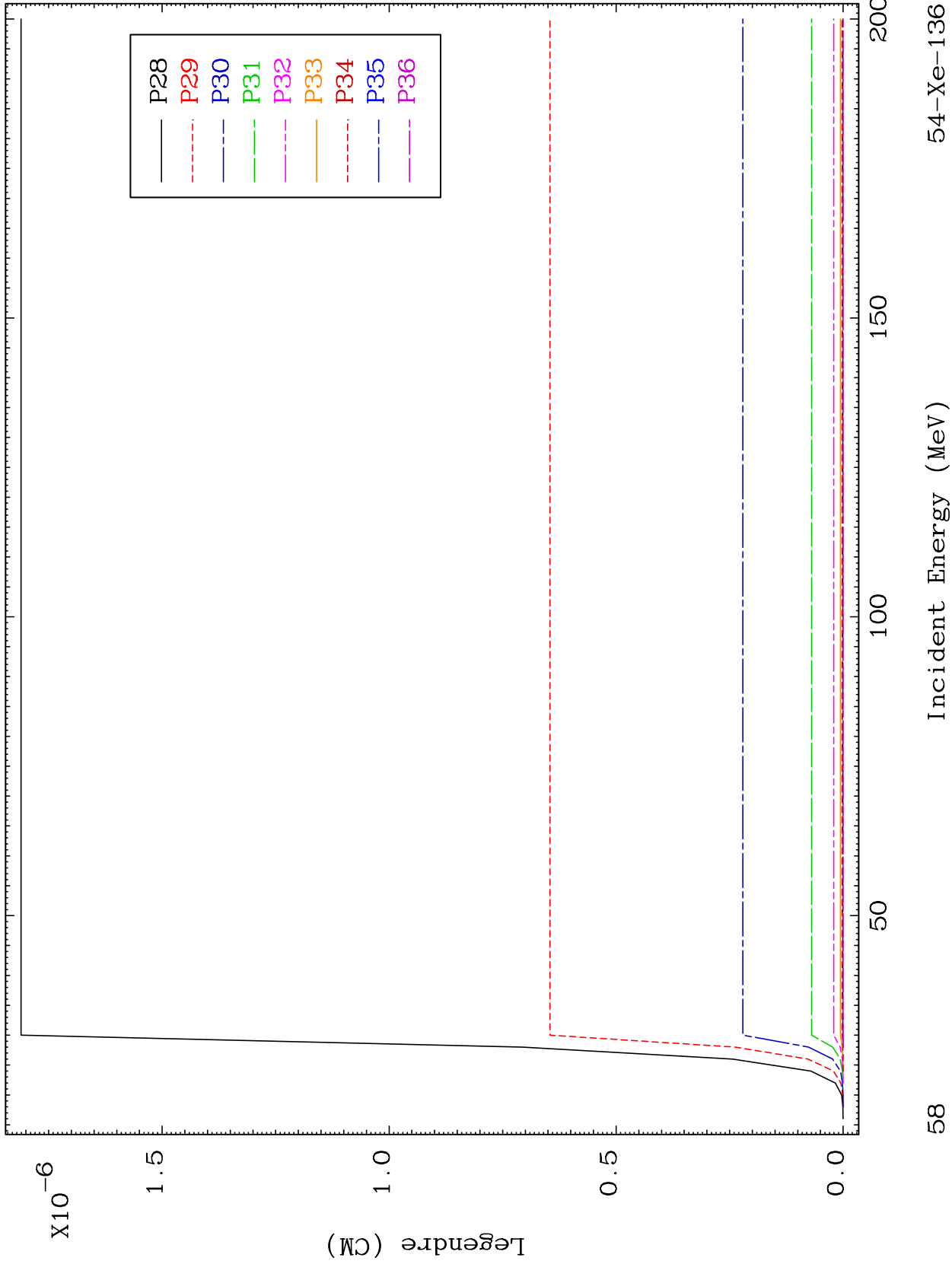




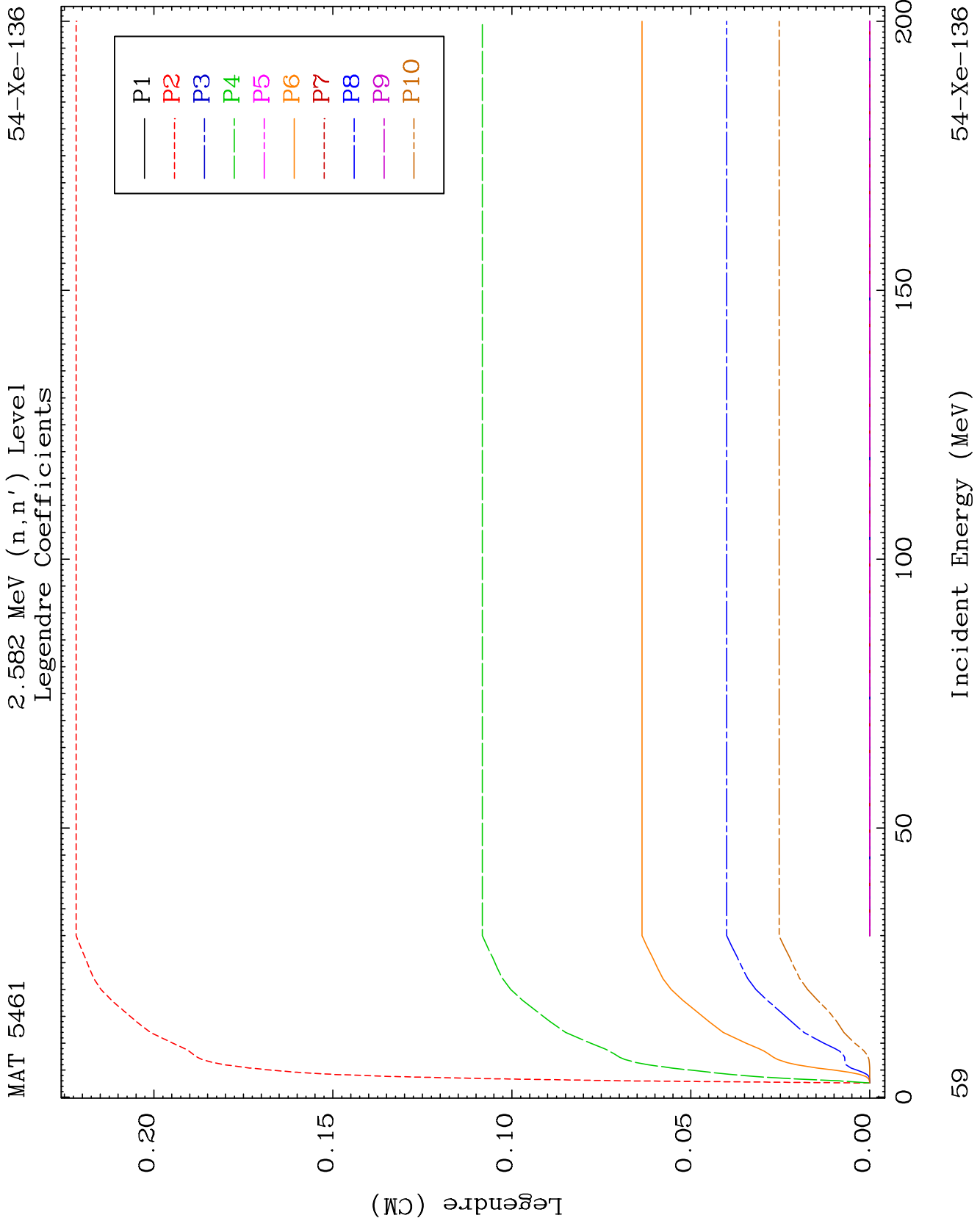
MAT 5461

2.560 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



58



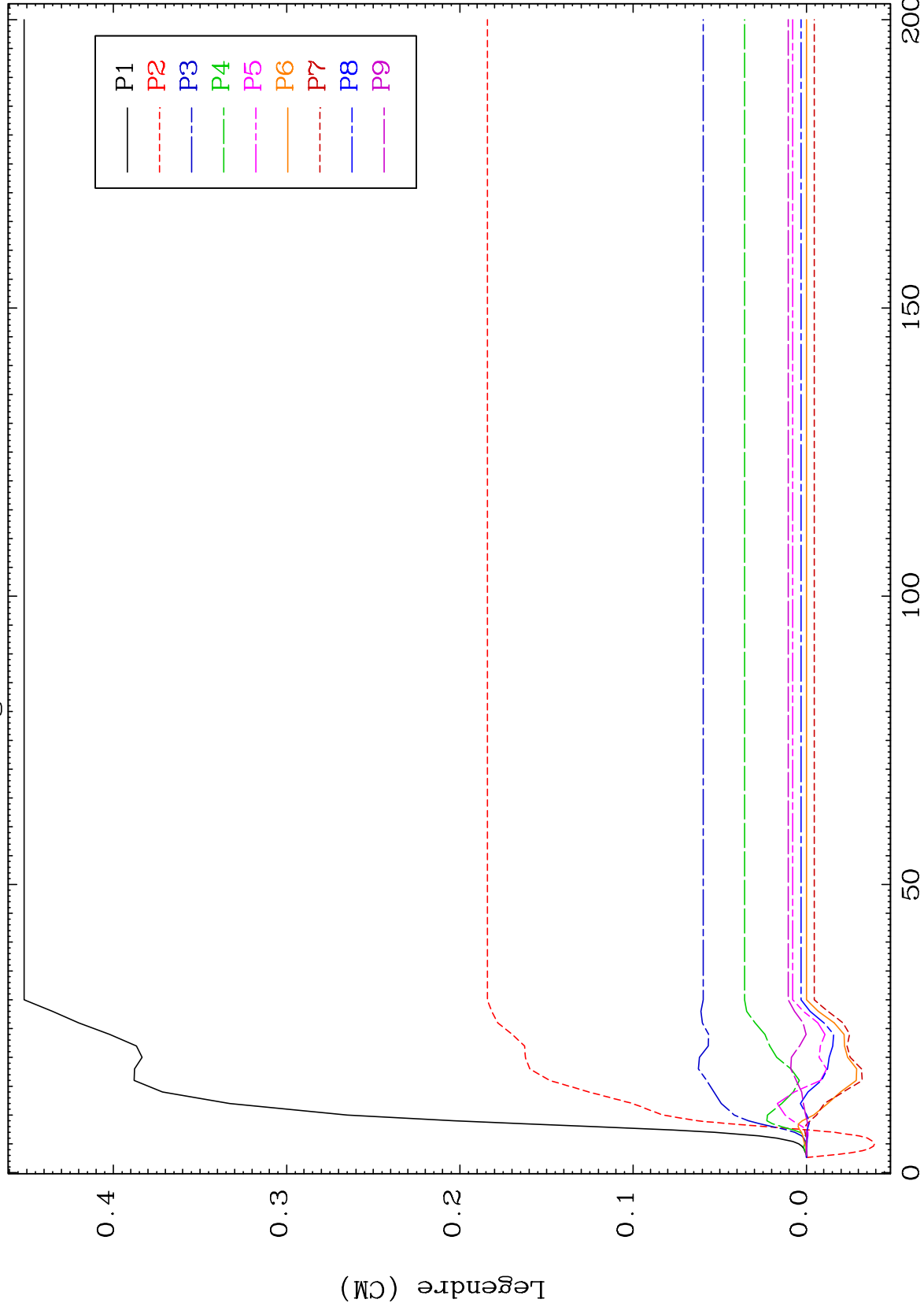




MAT 5461

2.608 MeV (n,n') Level  
Legendre Coefficients

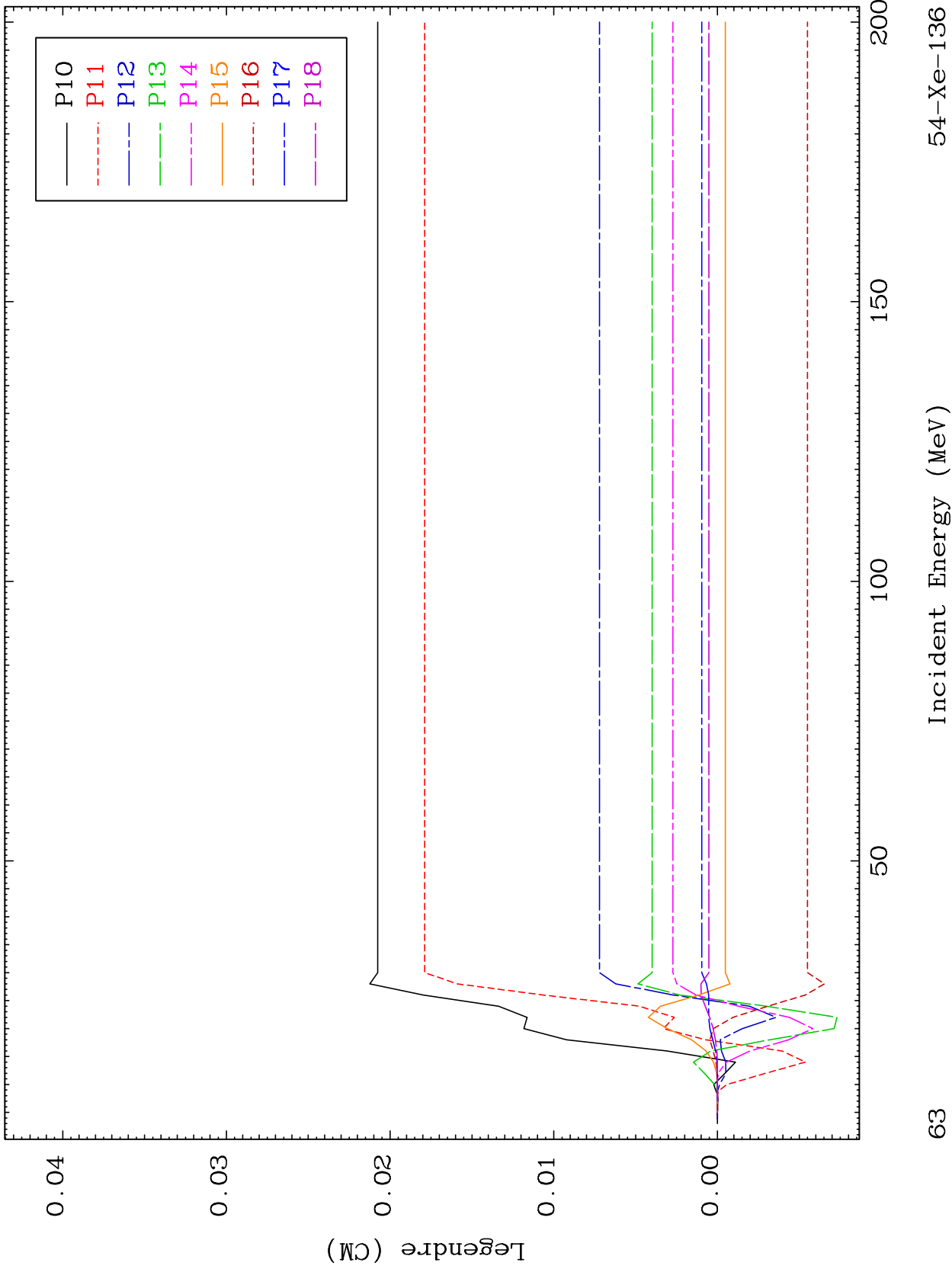
54-Xe-136



54-Xe-136

Incident Energy (MeV)

62

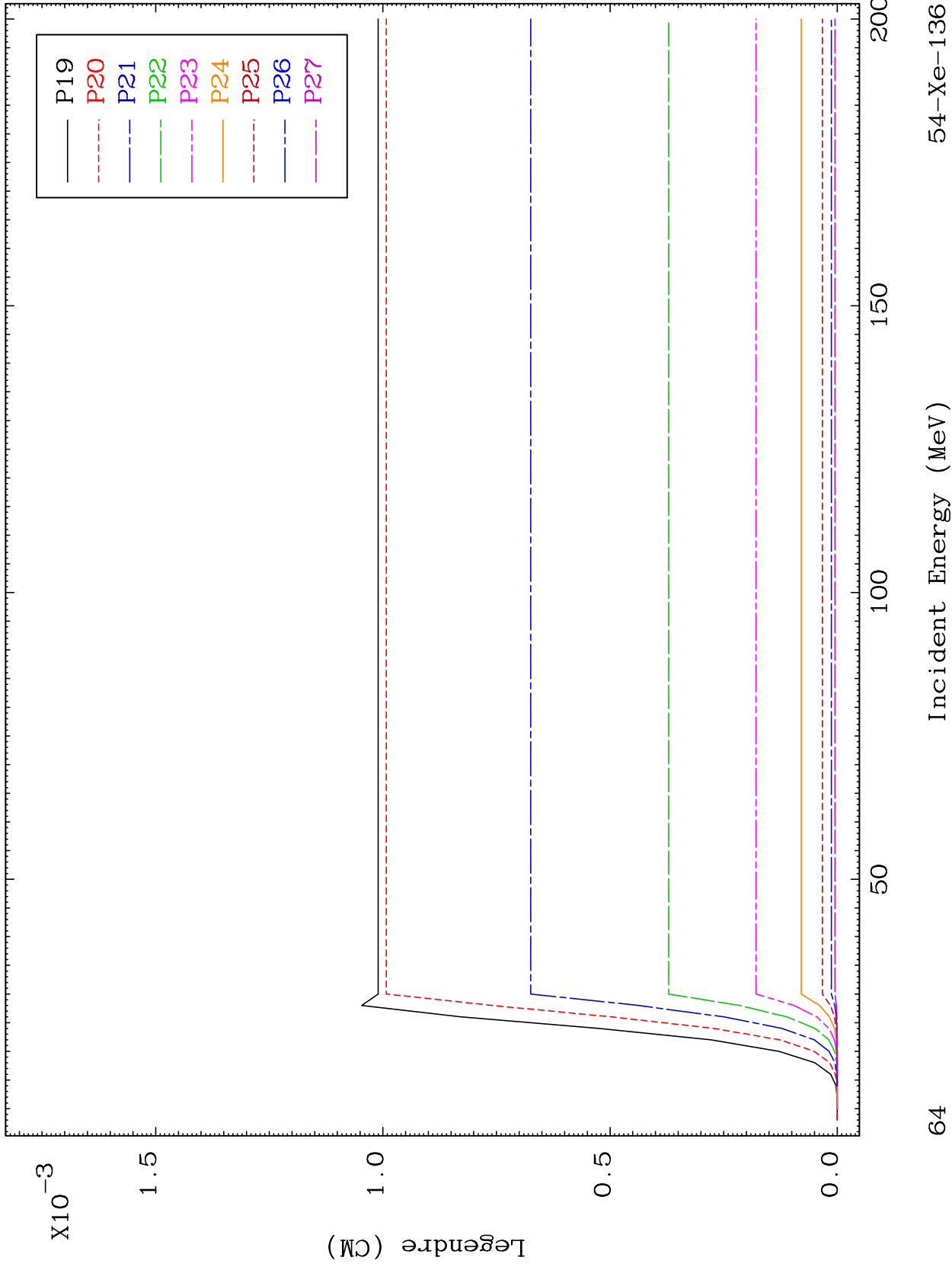




MAT 5461

2.608 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



64

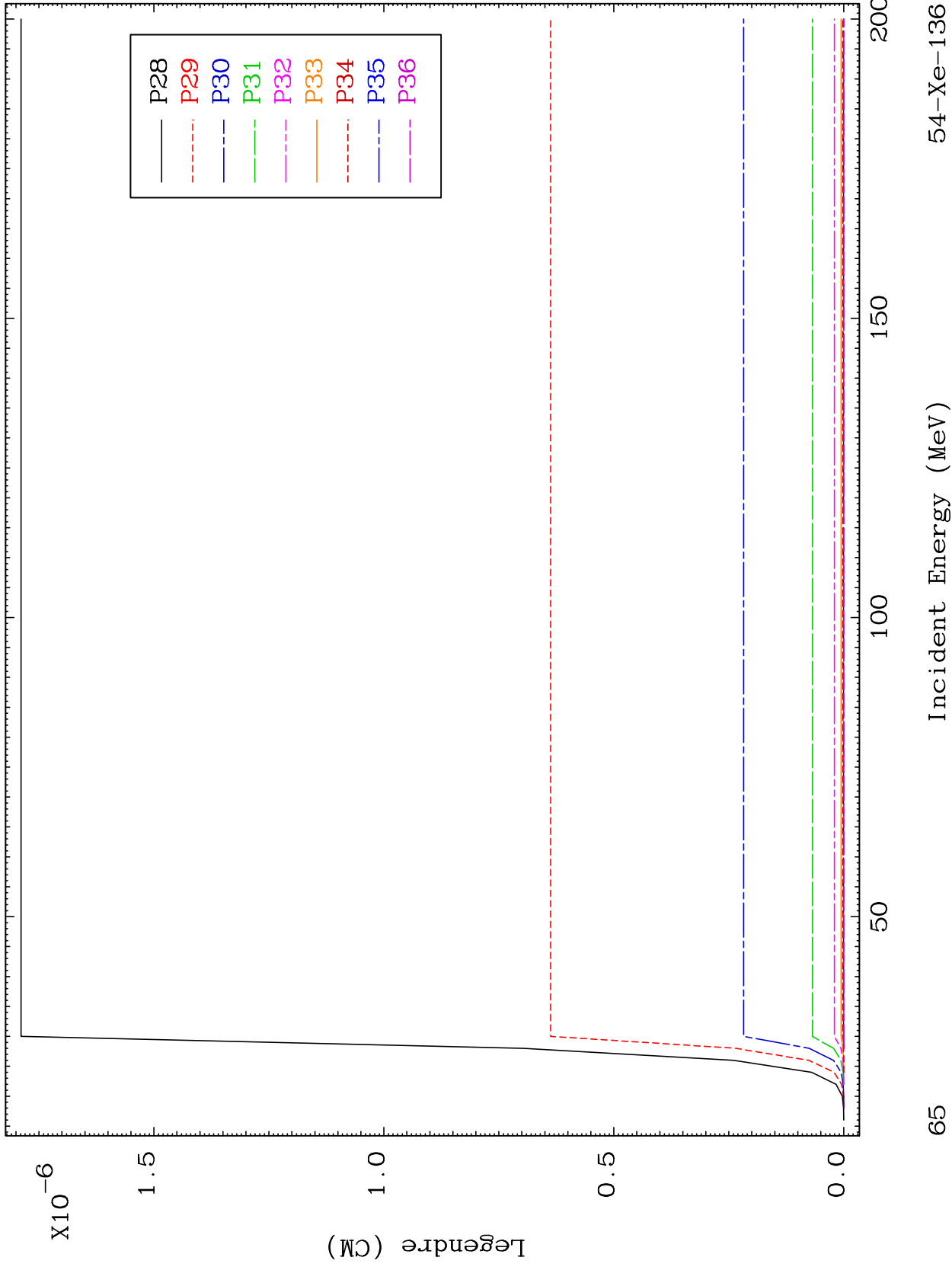
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.608 MeV (n, n') Level  
Legendre Coefficients

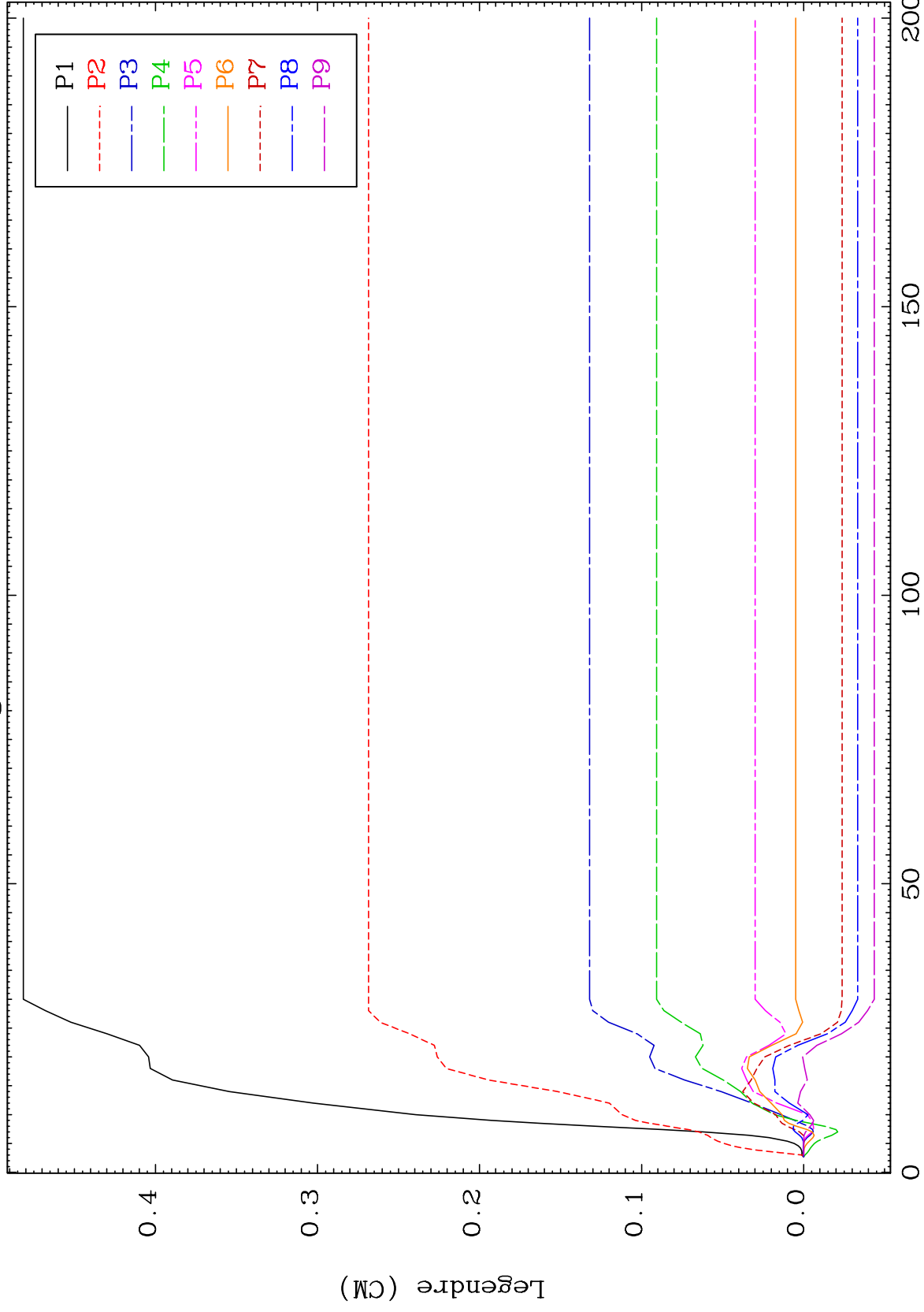
54-Xe-136



MAT 5461

2.634 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



54-Xe-136

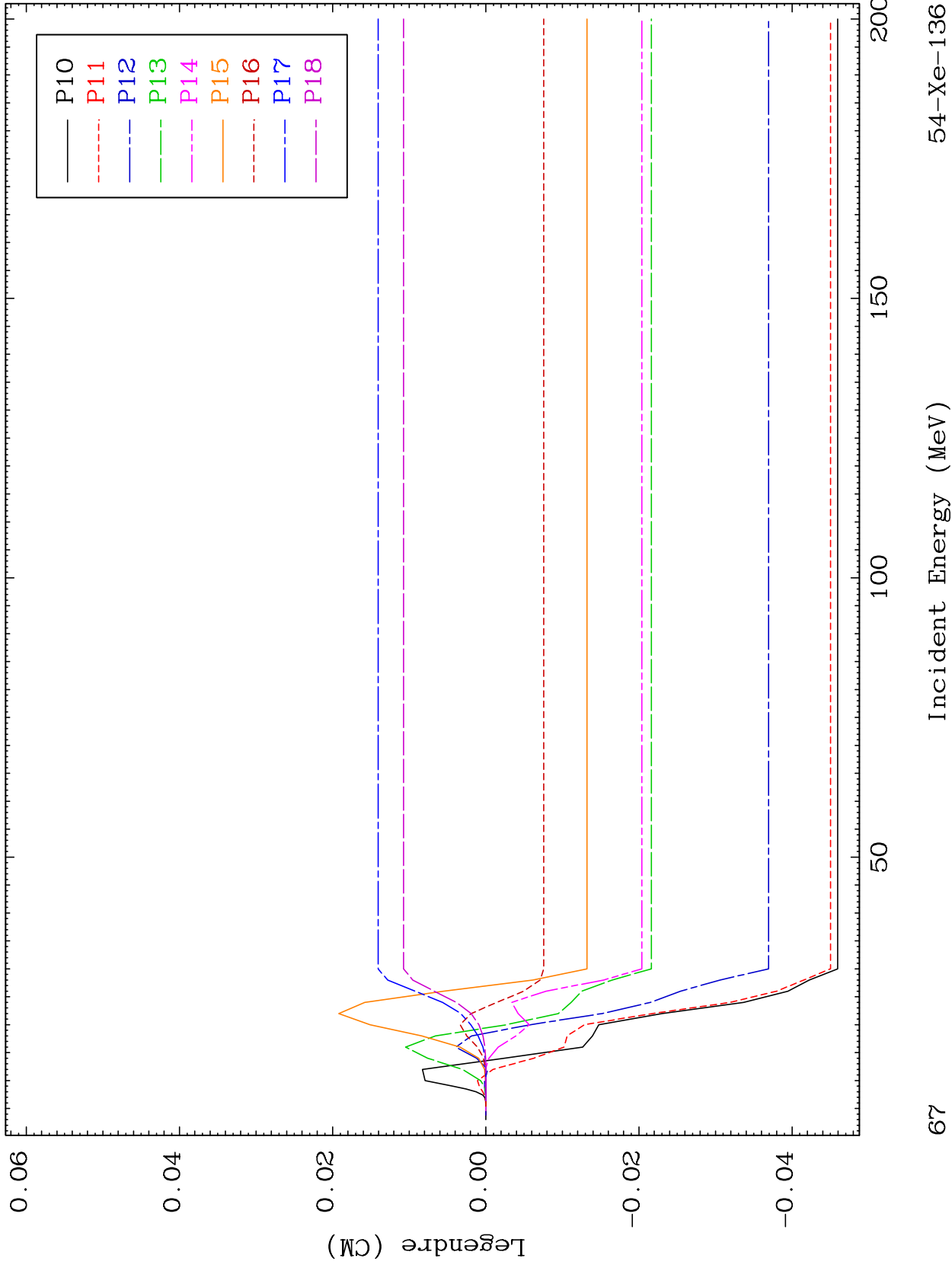
Incident Energy (MeV)

66

MAT 5461

2.634 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



67

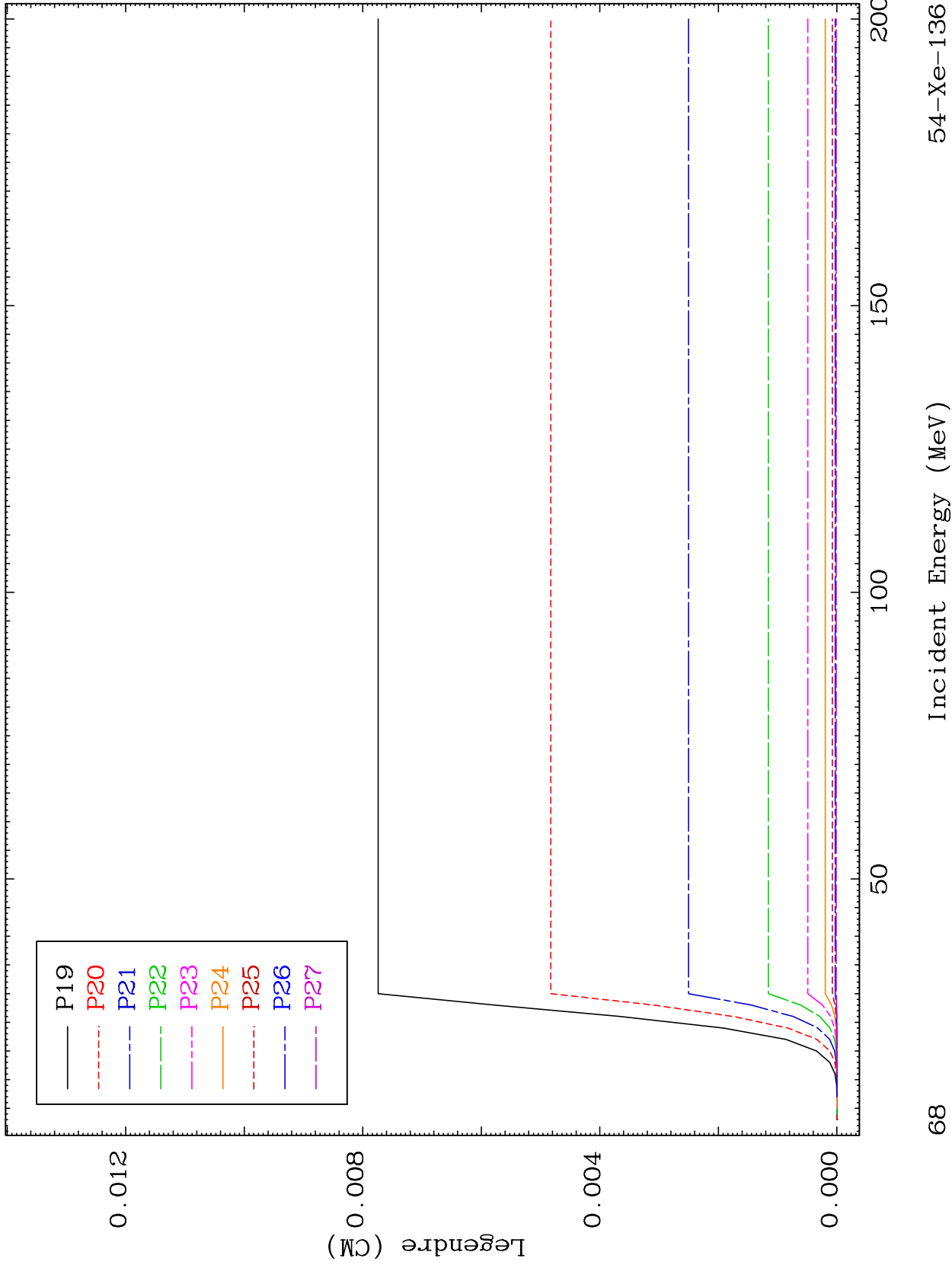
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.634 MeV (n,n') Level  
Legendre Coefficients

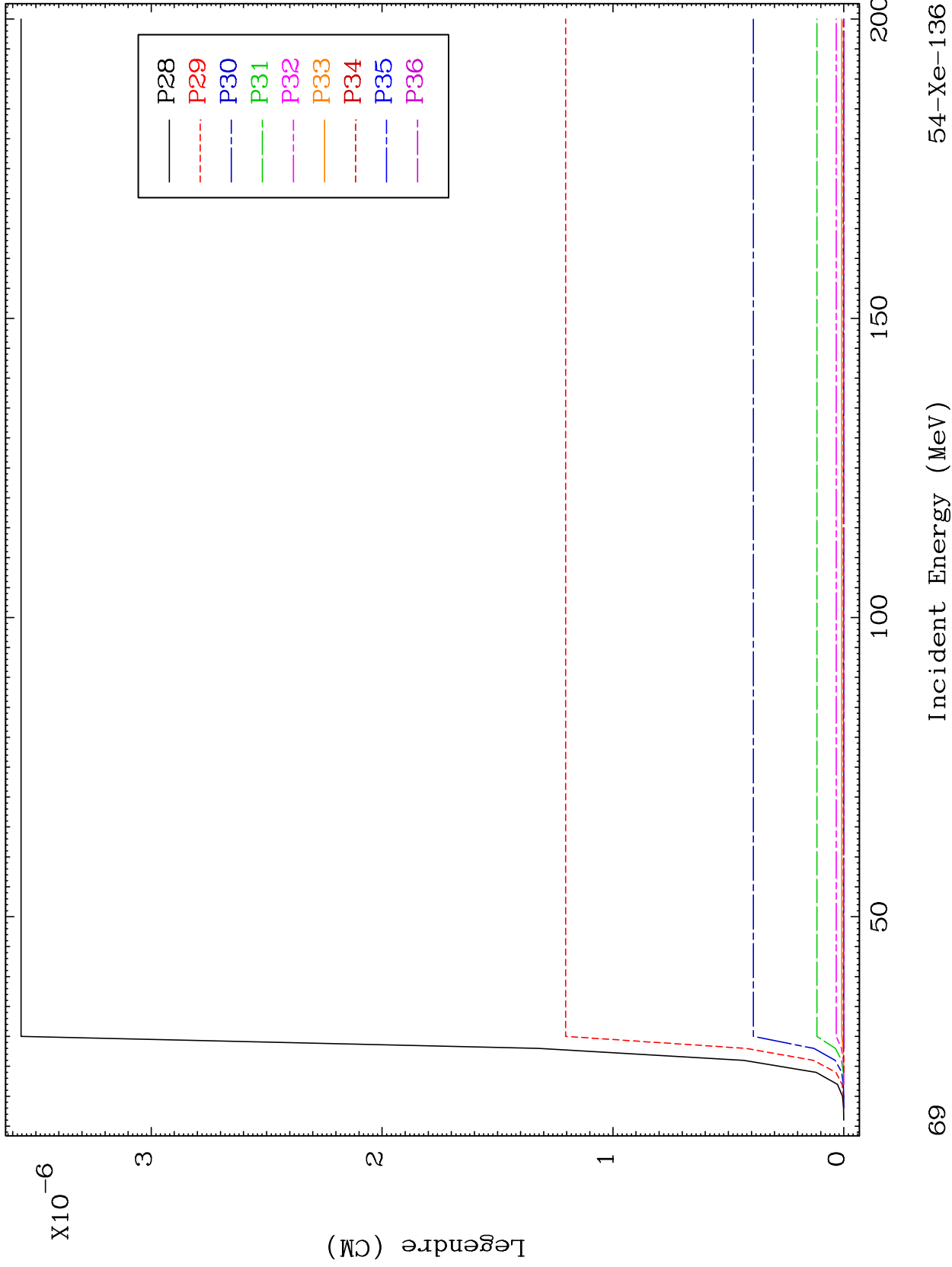
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MAT 5461

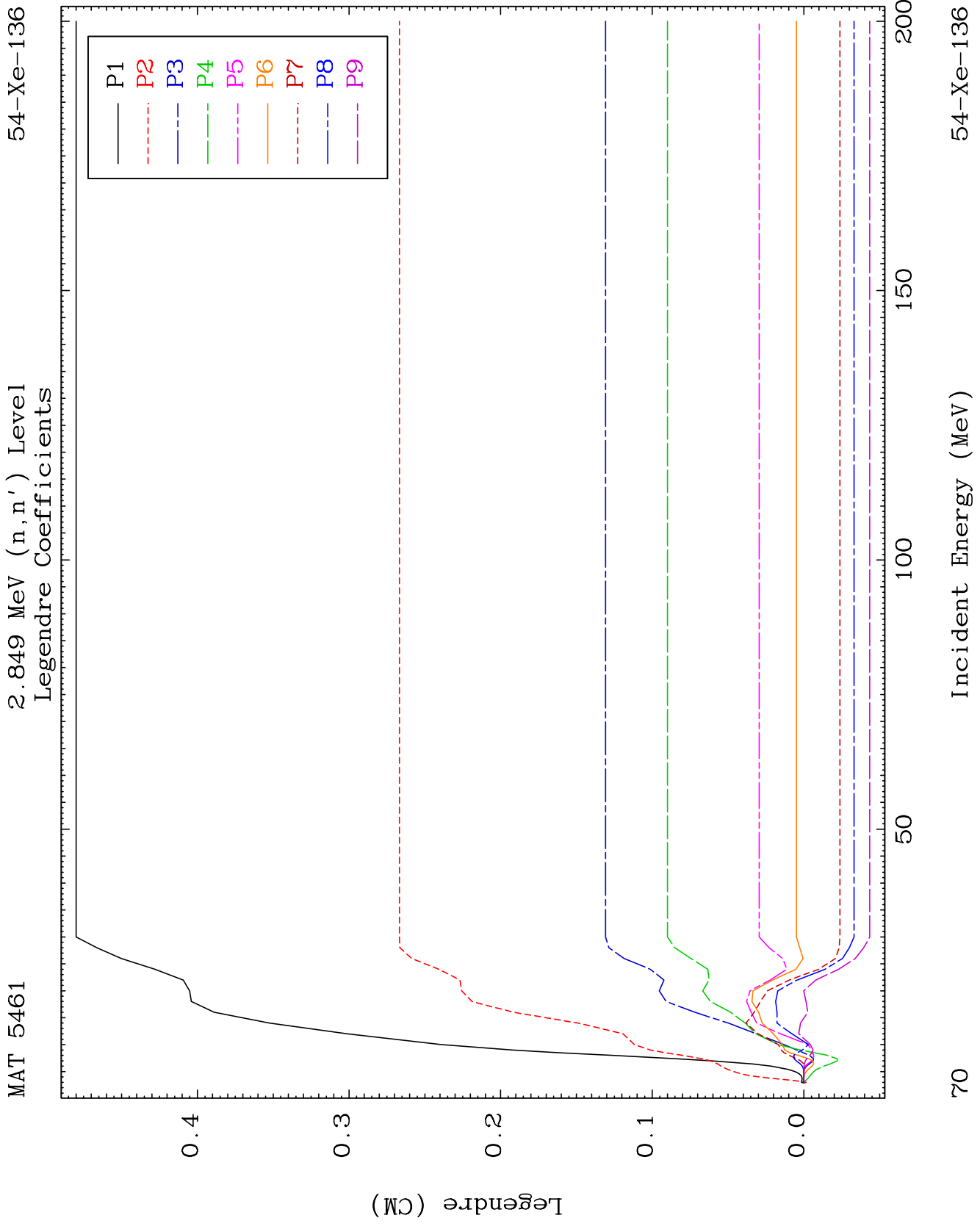
2.634 MeV (n,n') Level  
Legendre Coefficients

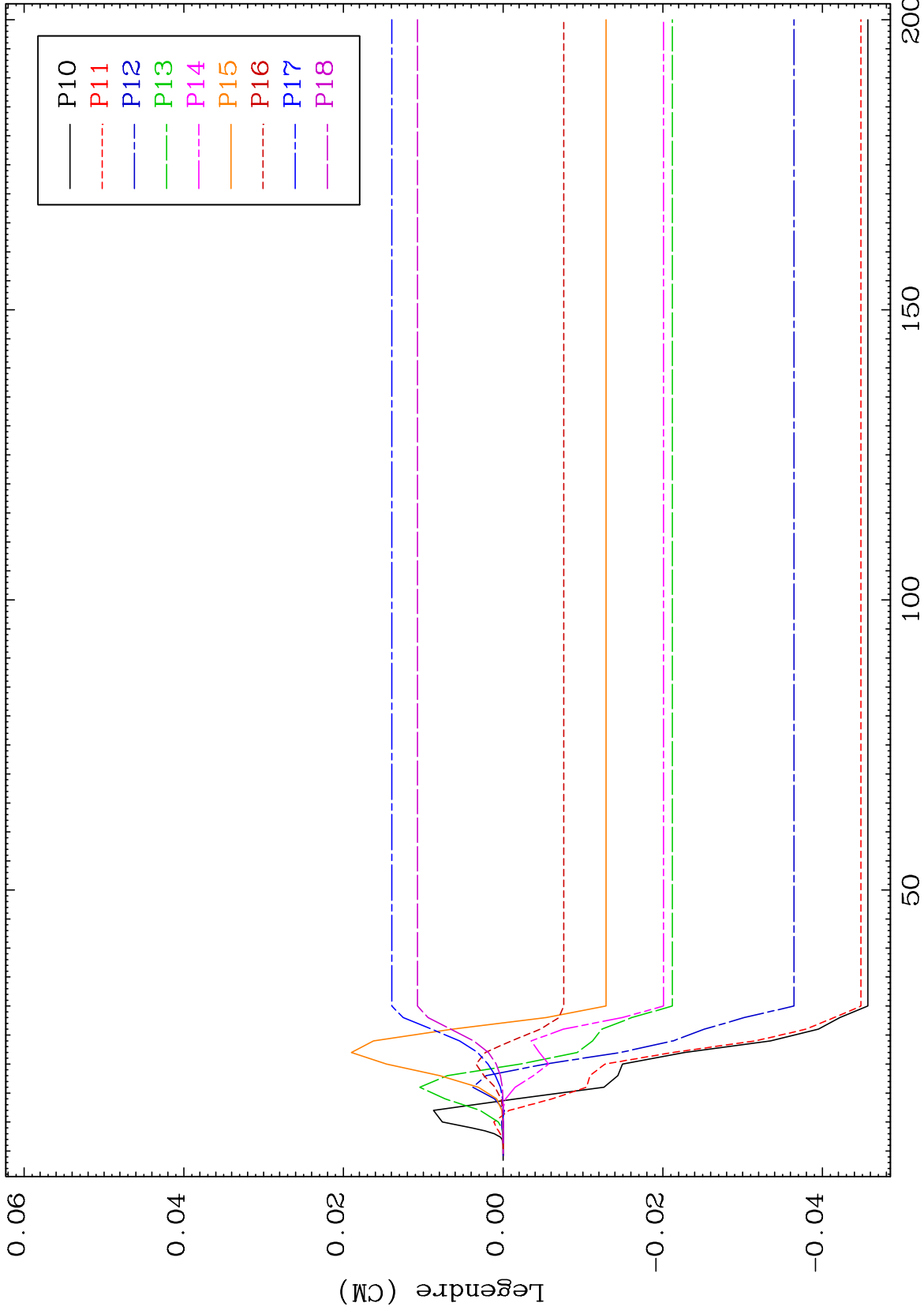
54-Xe-136



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54-Xe-136



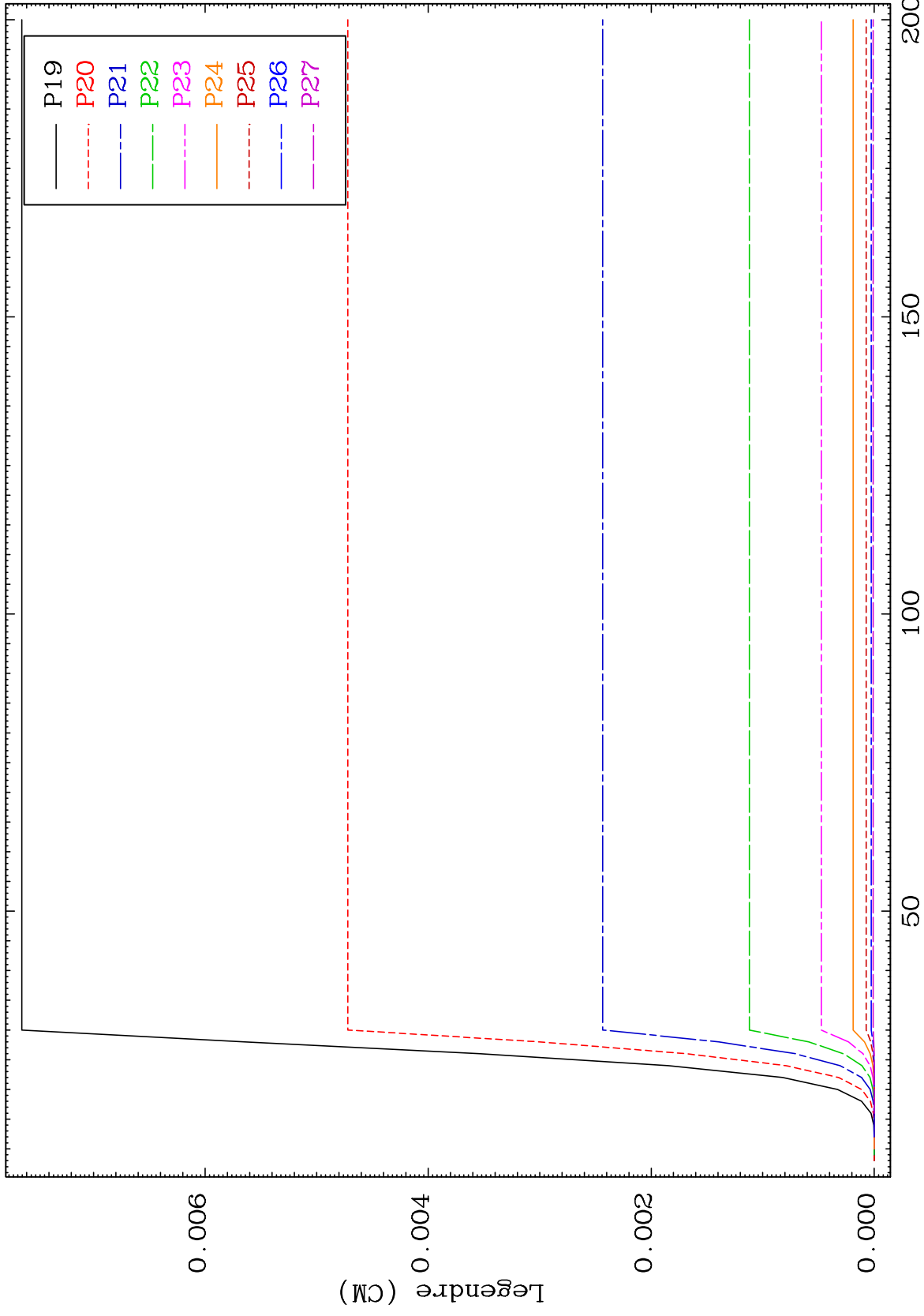




MAT 5461

2.849 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



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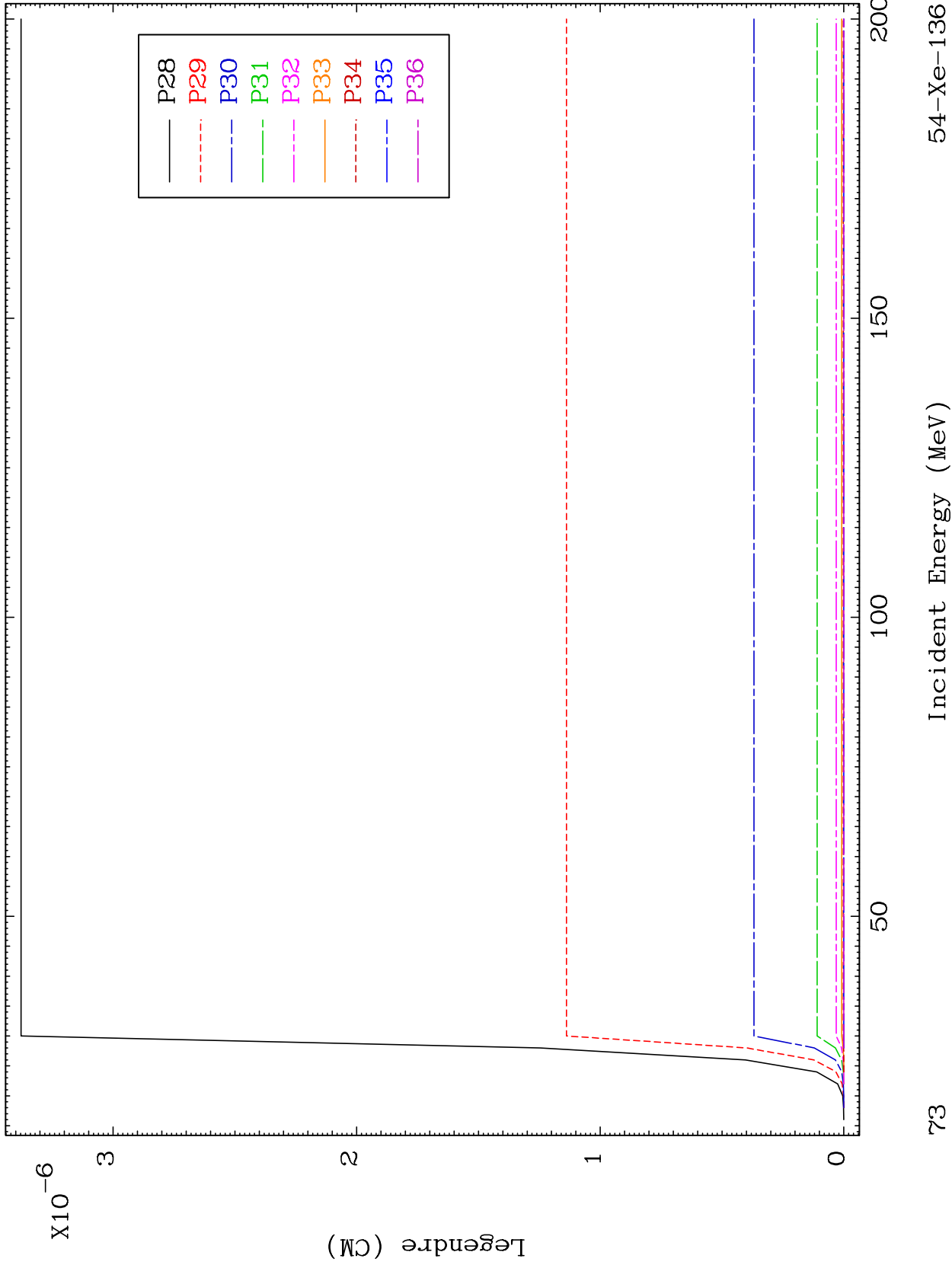
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.849 MeV (n,n') Level  
Legendre Coefficients

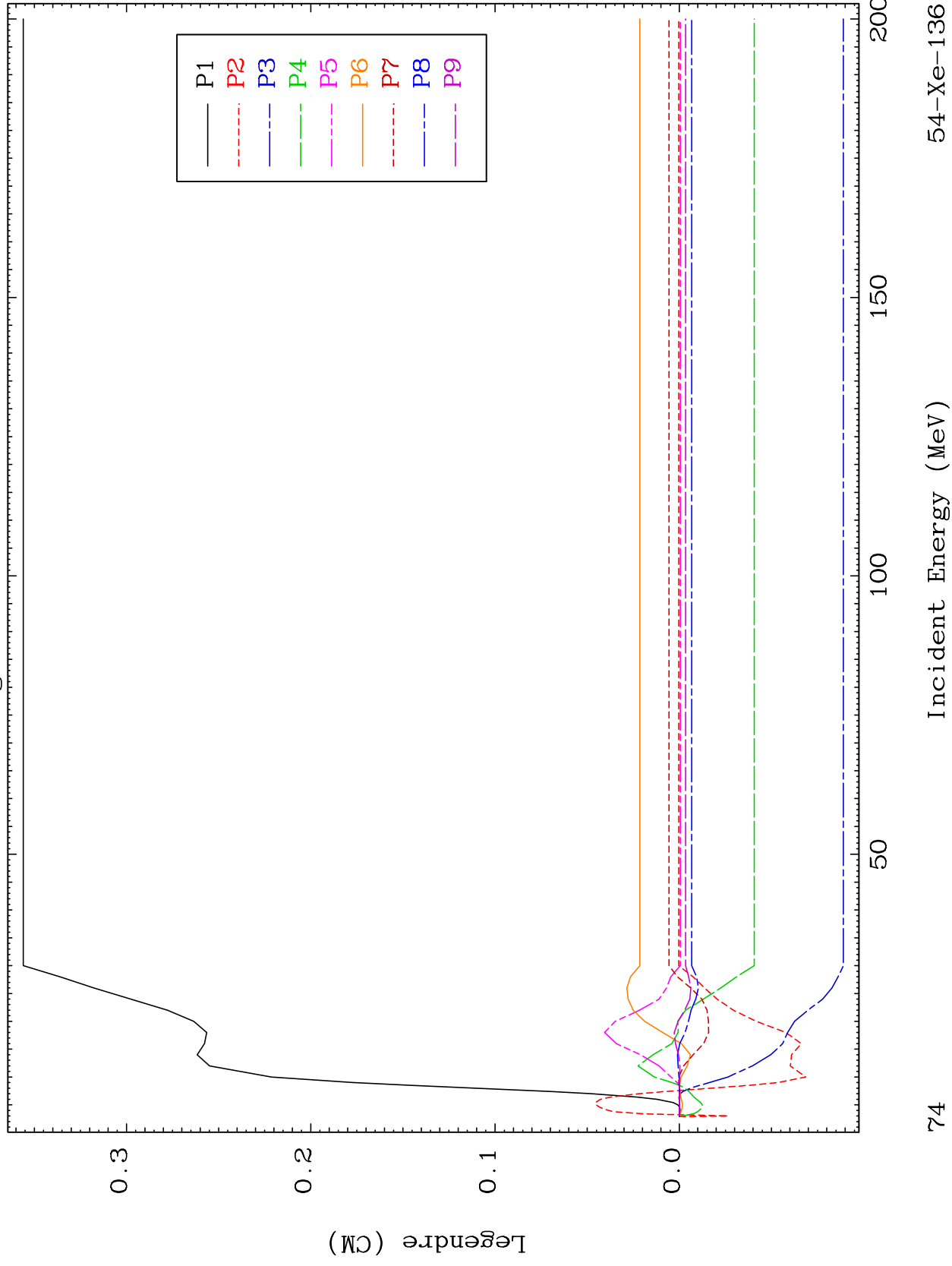
54-Xe-136



MAT 5461

2.867 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



74

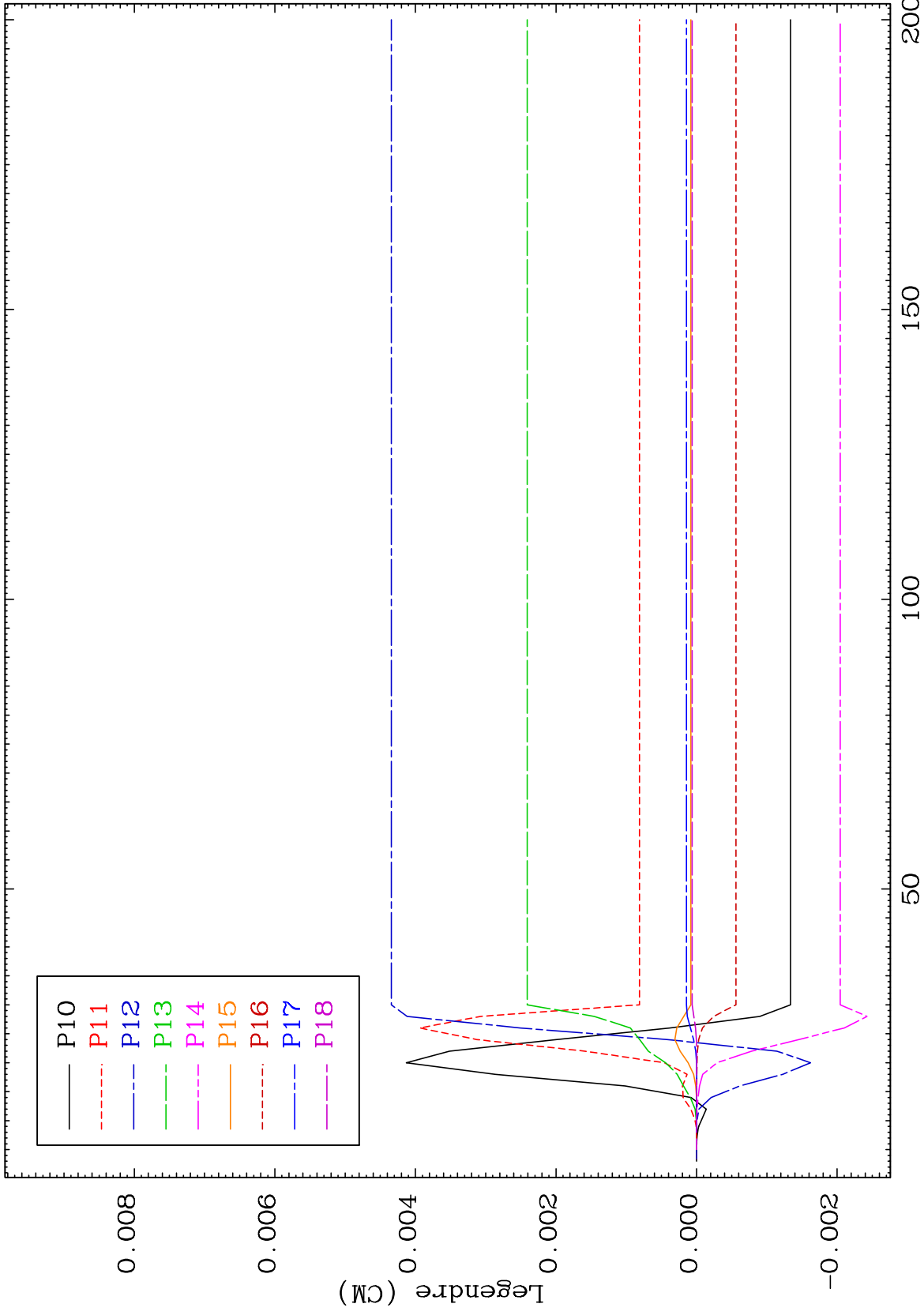
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.867 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



75

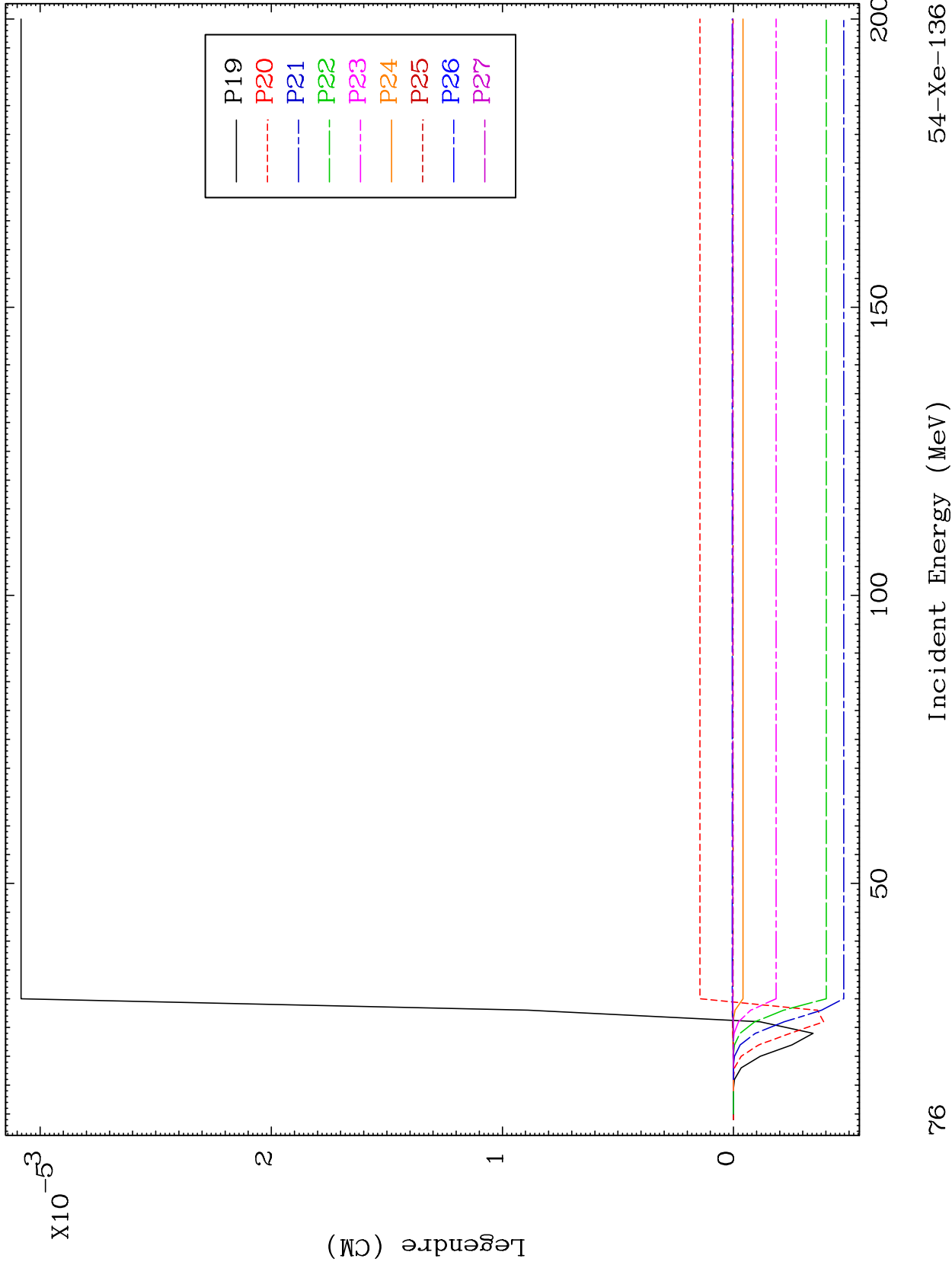
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.867 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



76

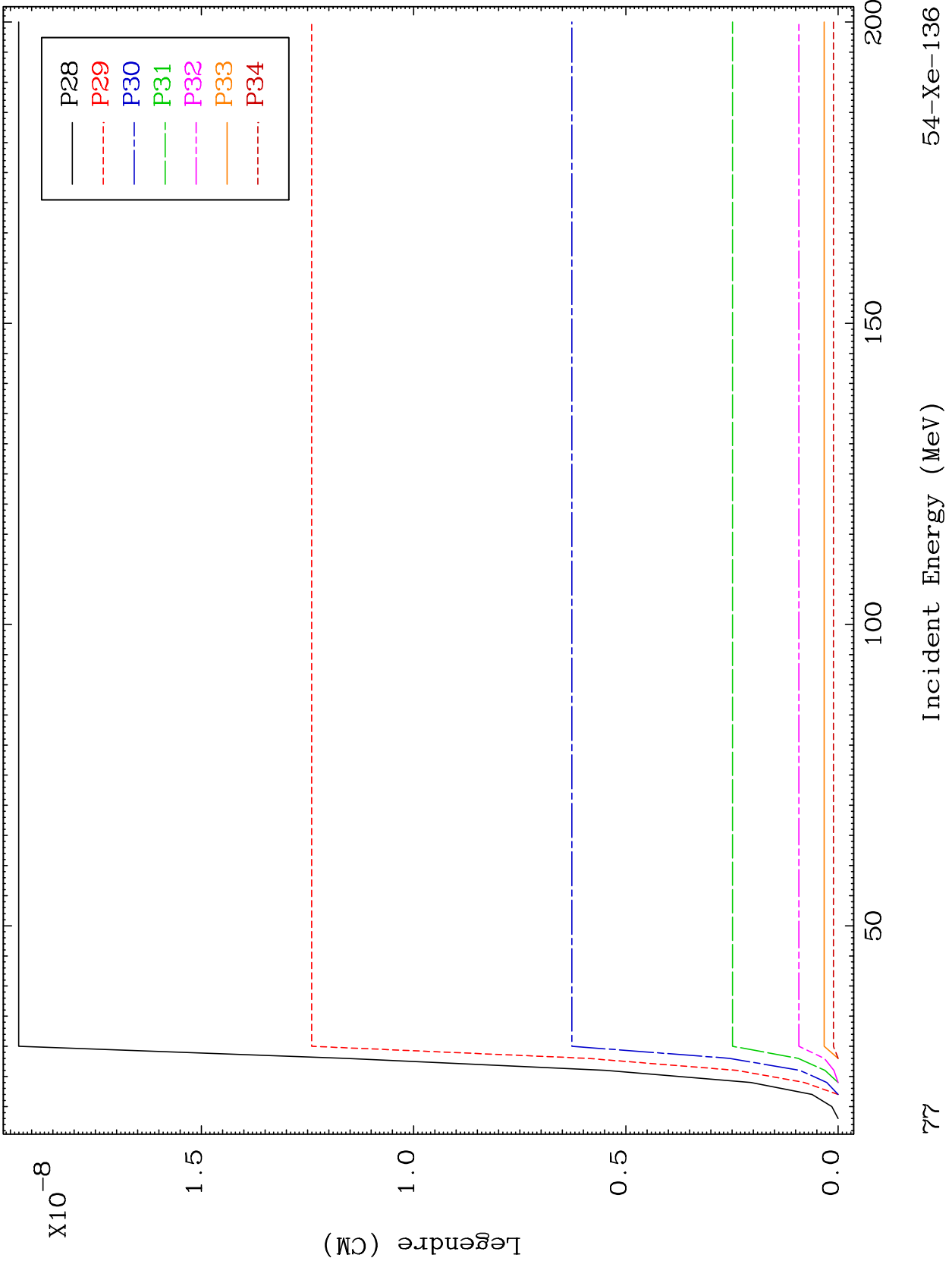
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.867 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



54-Xe-136

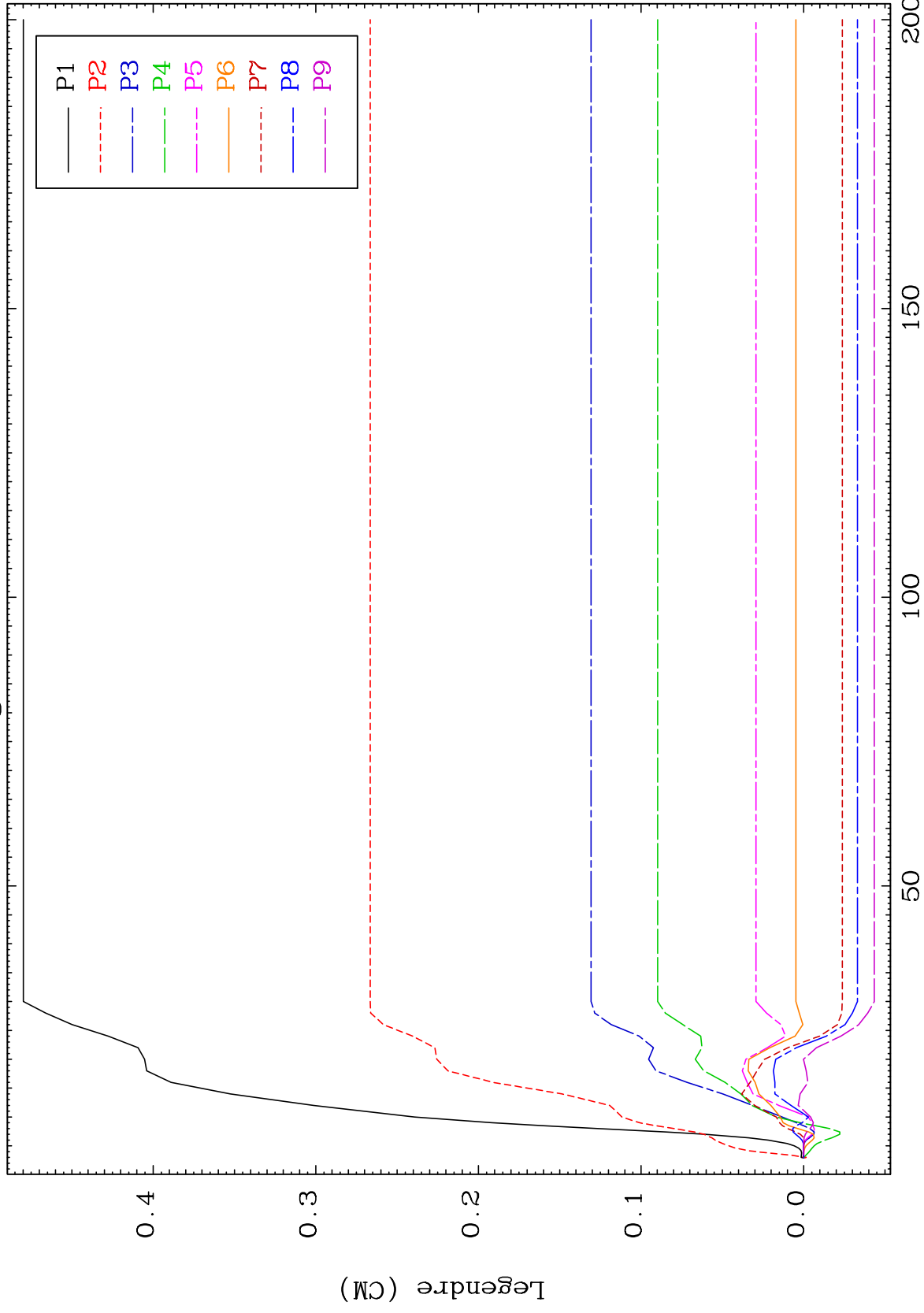
Incident Energy (MeV)

77

MAT 5461

2.869 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



78

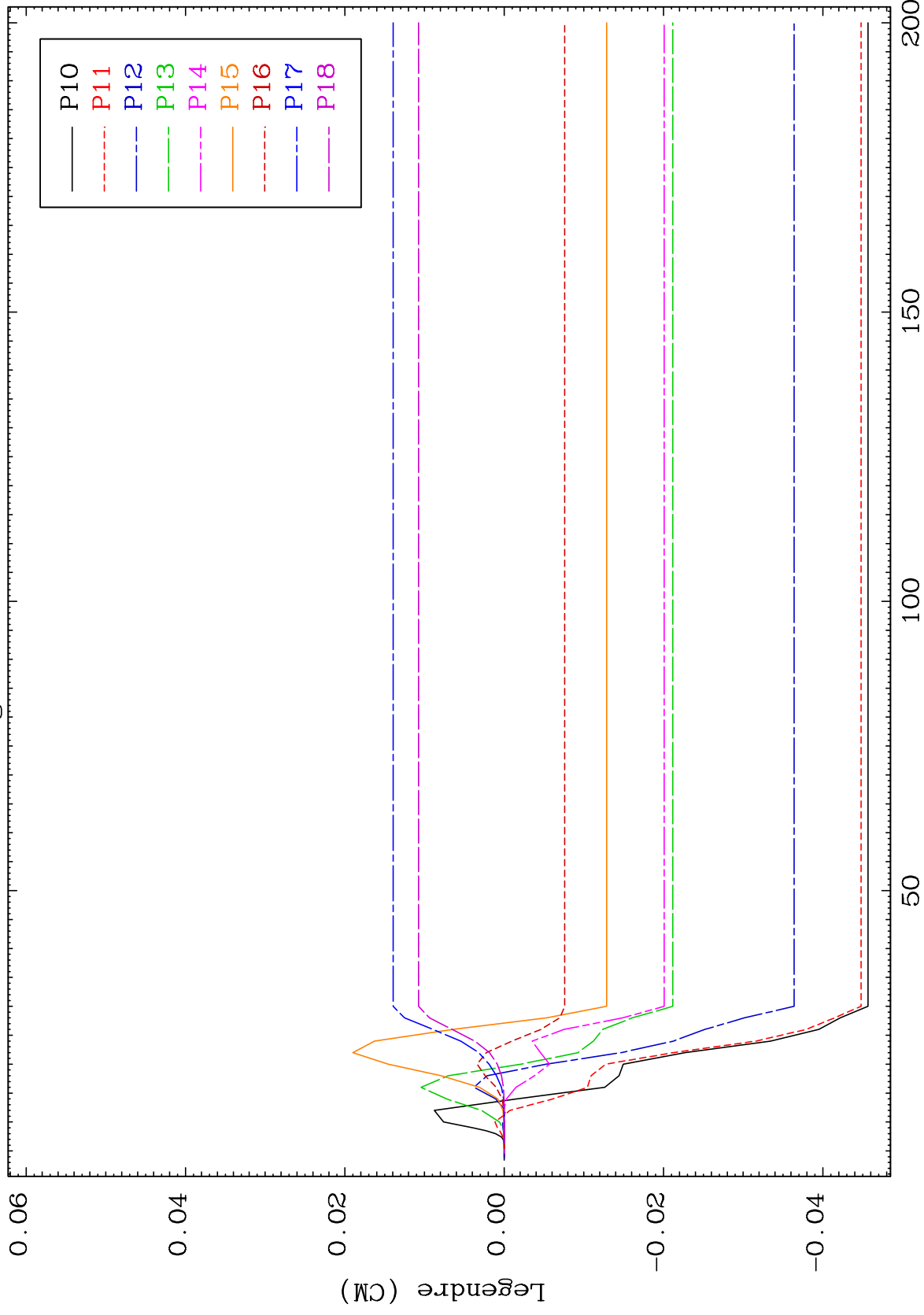
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.869 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



79

Incident Energy (MeV)

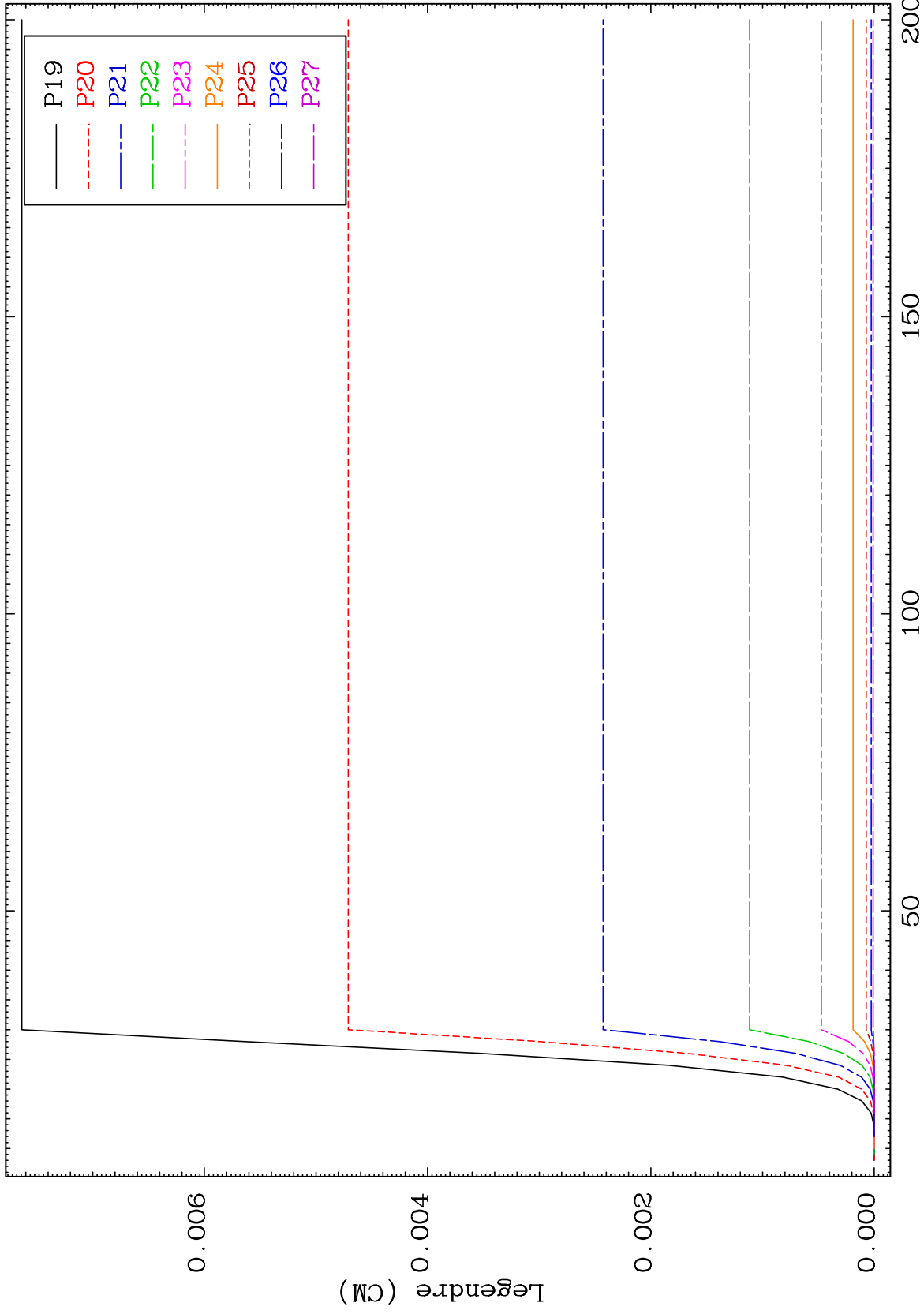
54-Xe-136



MAT 5461

2.869 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



80

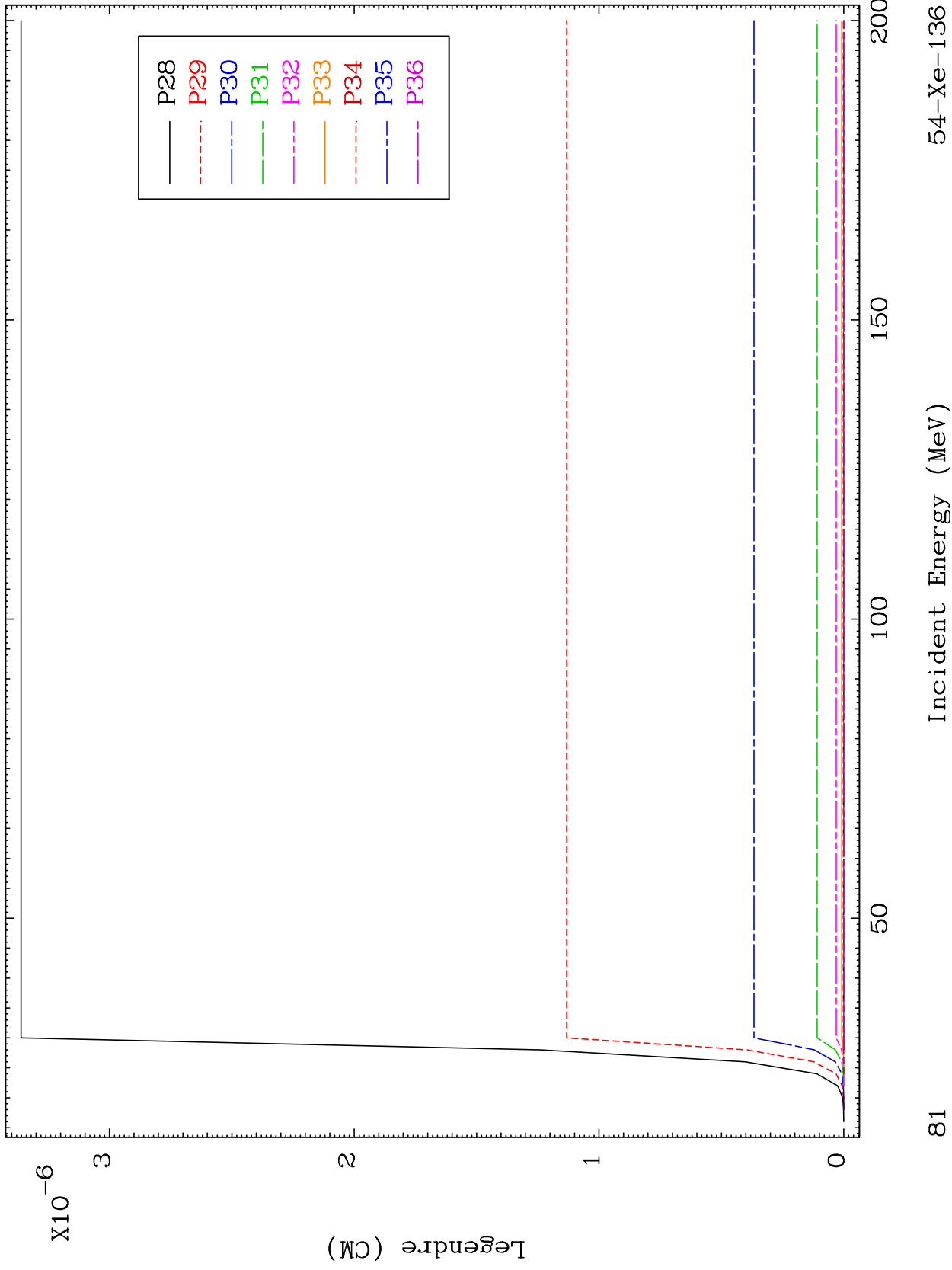
Incident Energy (MeV)

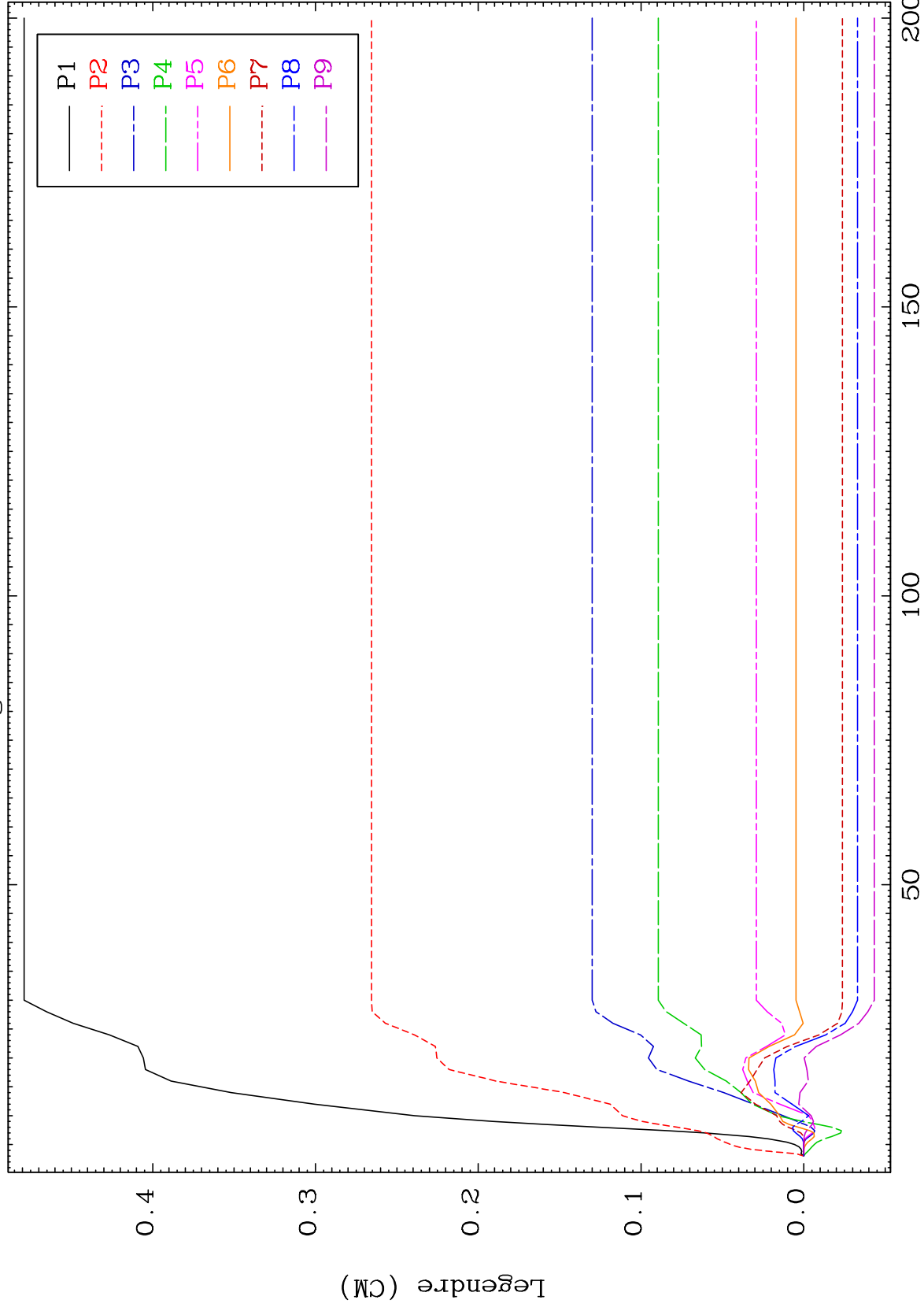
54-Xe-136

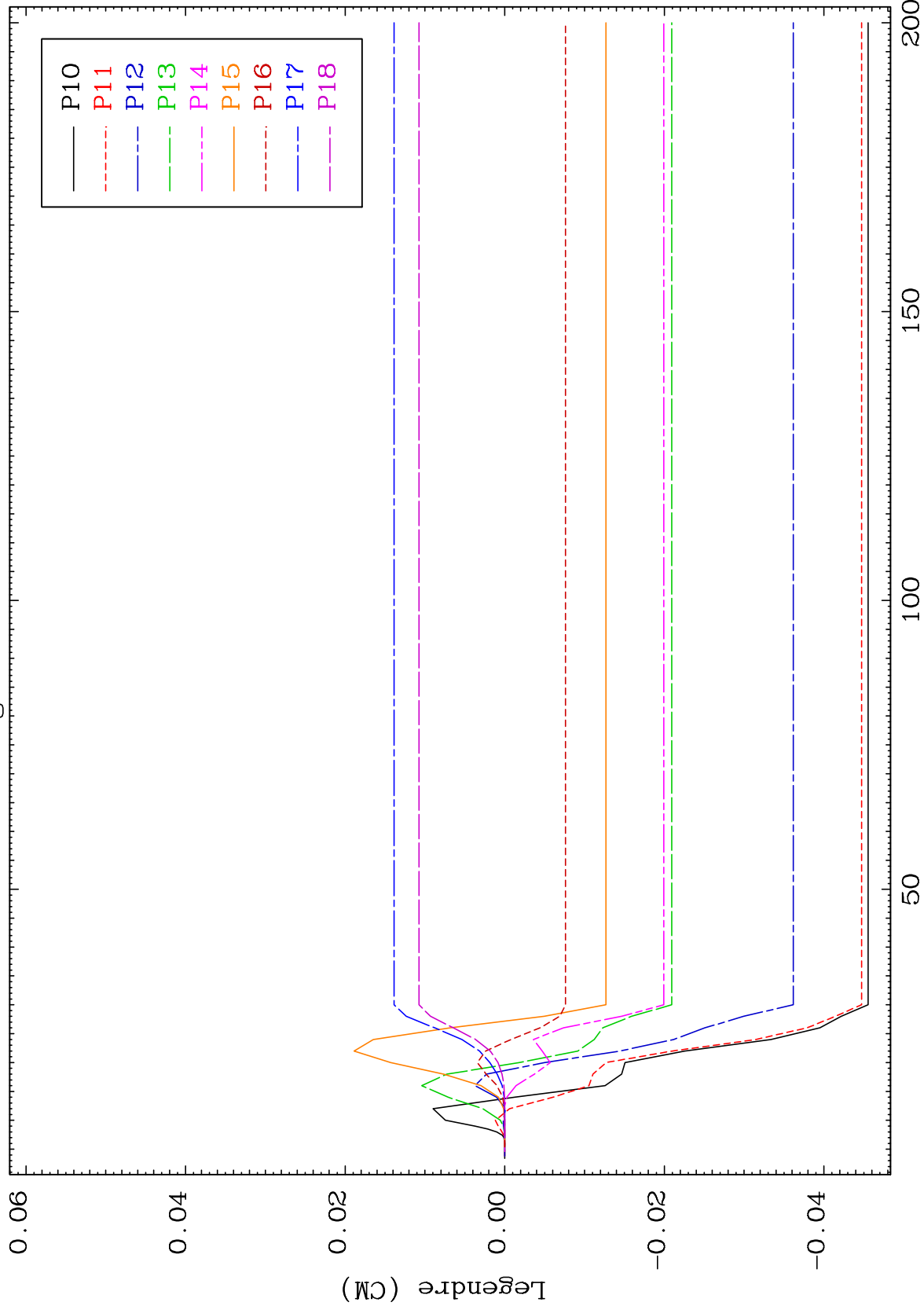
MAT 5461

2.869 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



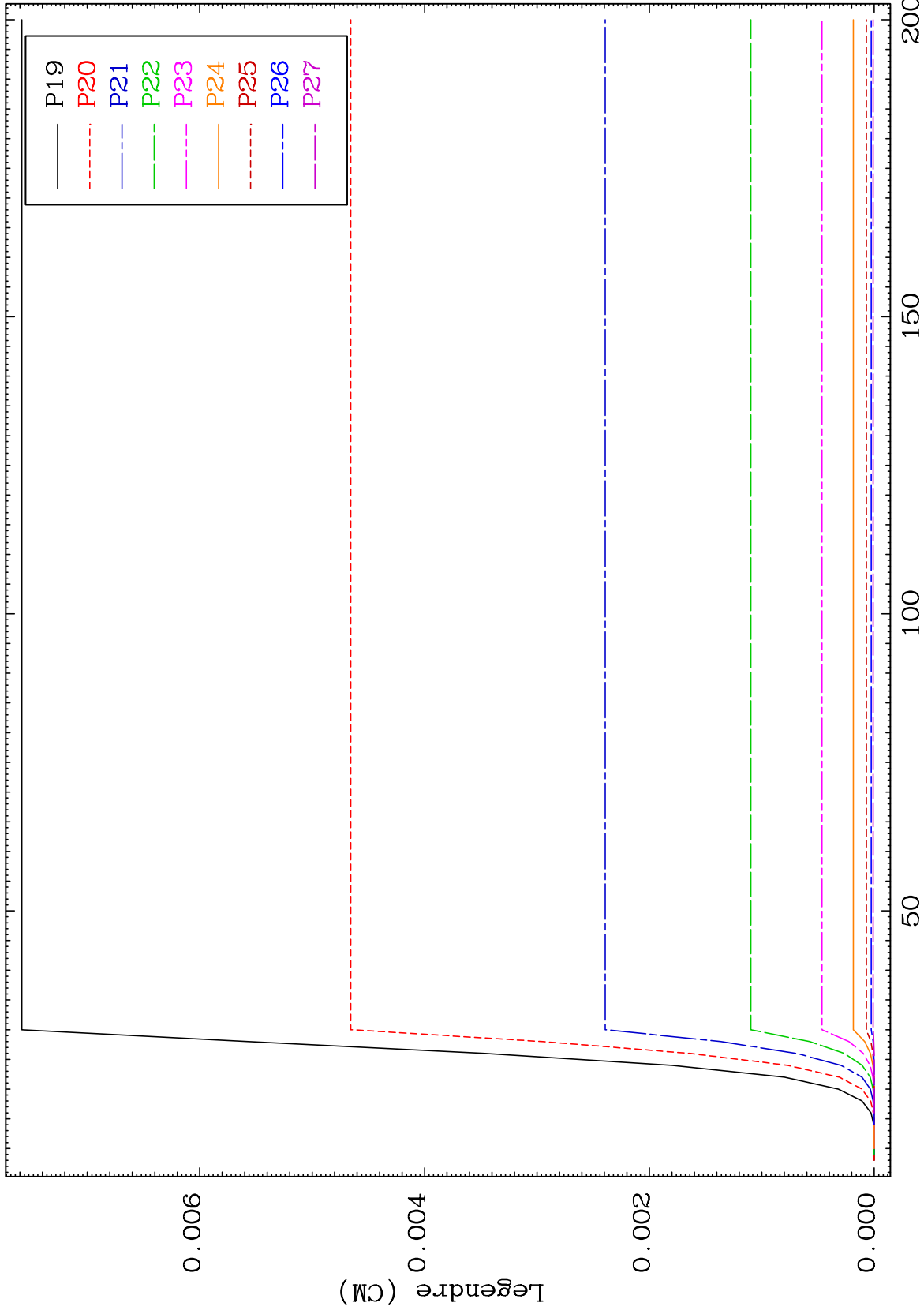




MAT 5461

2.979 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



84

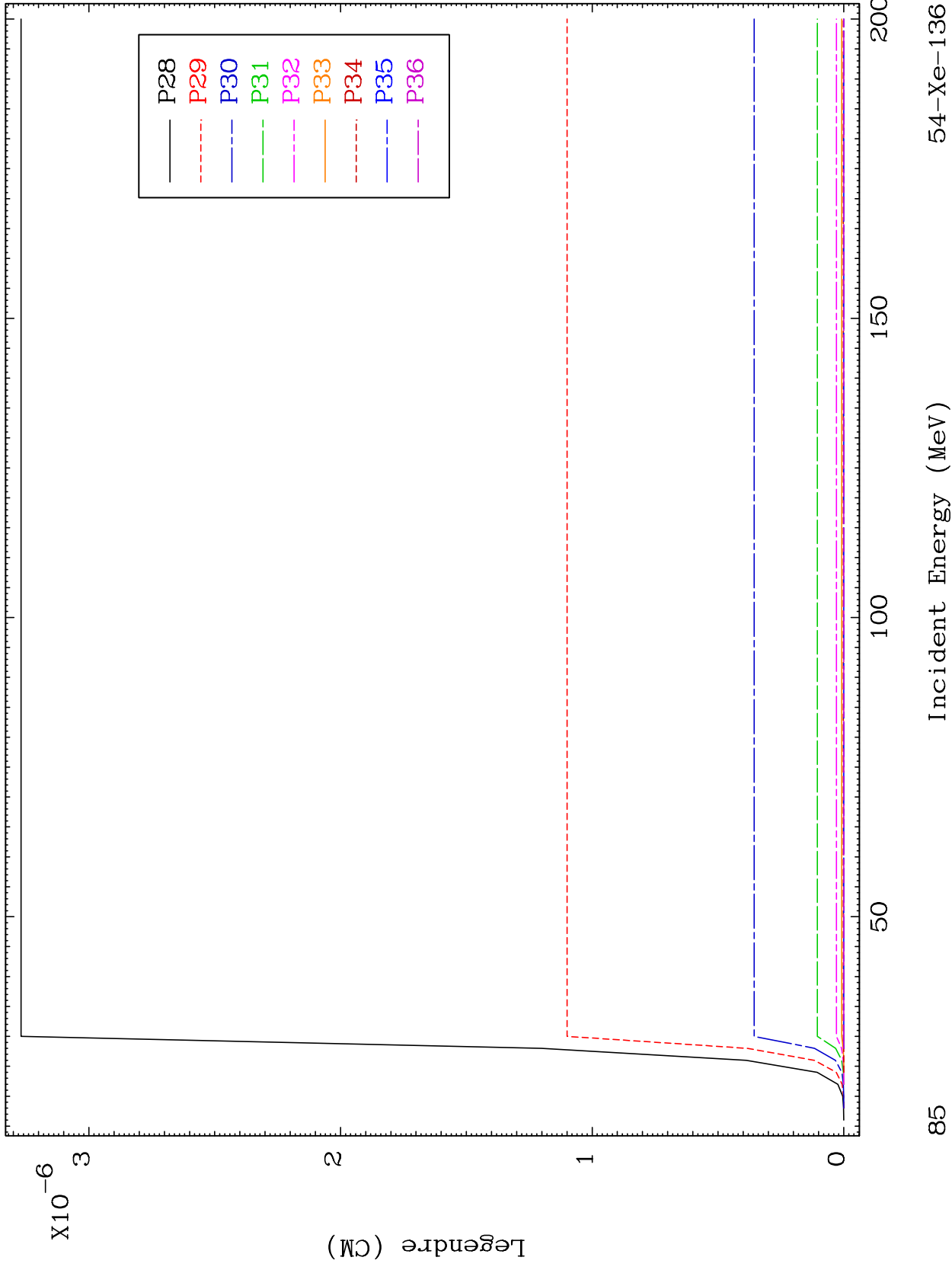
Incident Energy (MeV)

54-Xe-136

MAT 5461

2.979 MeV (n,n') Level  
Legendre Coefficients

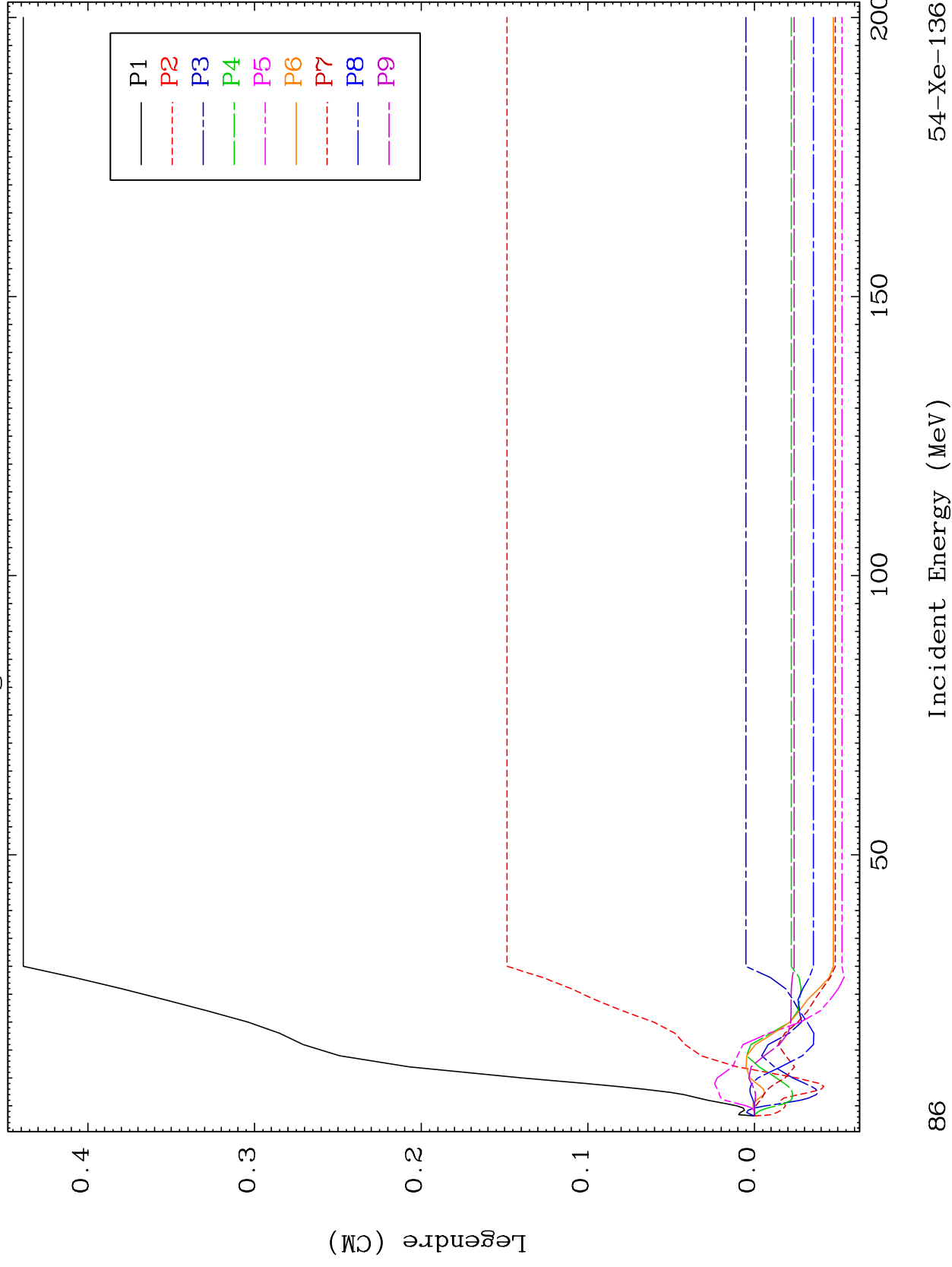
54-Xe-136



85

Incident Energy (MeV)

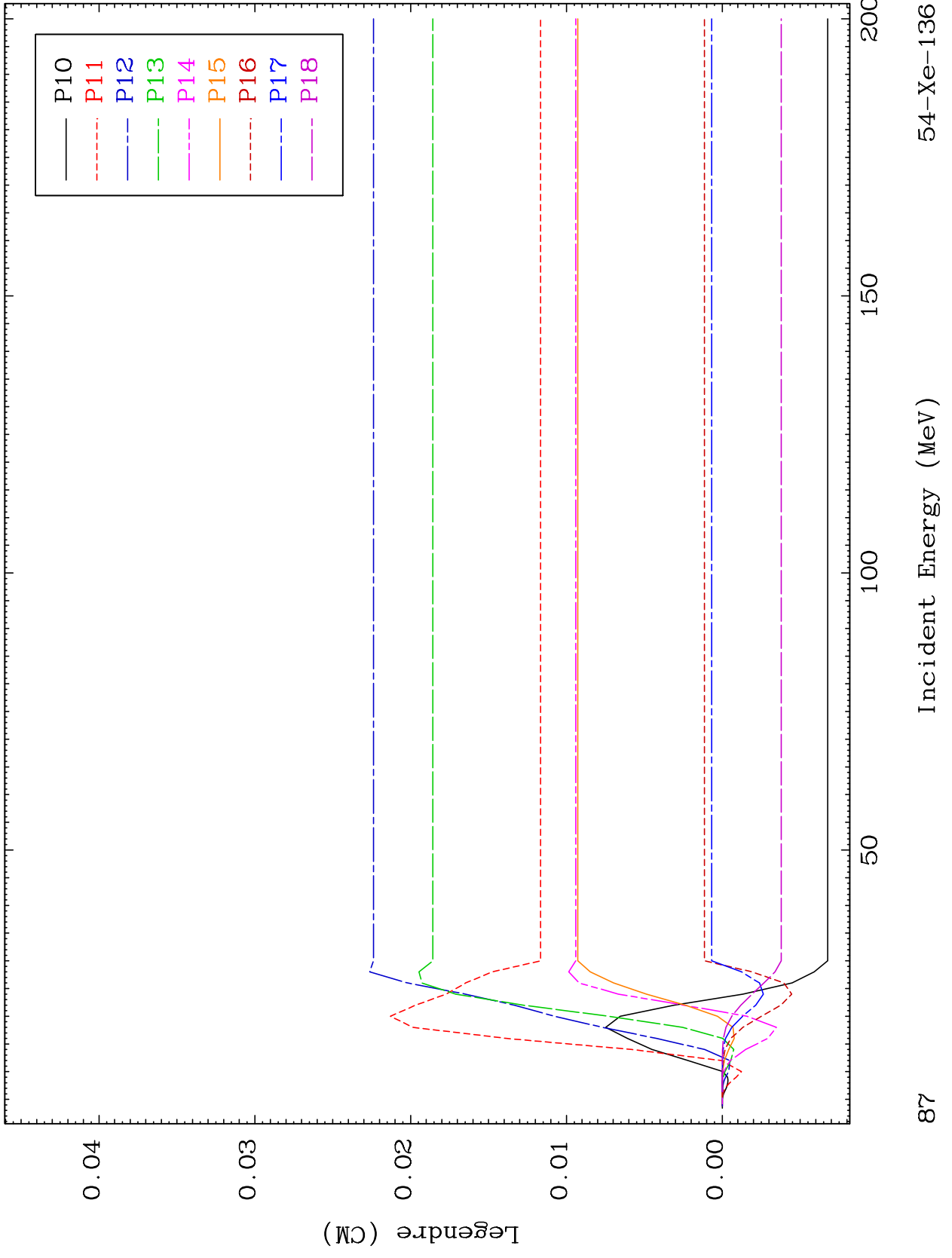
54-Xe-136



MAT 5461

3.160 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136

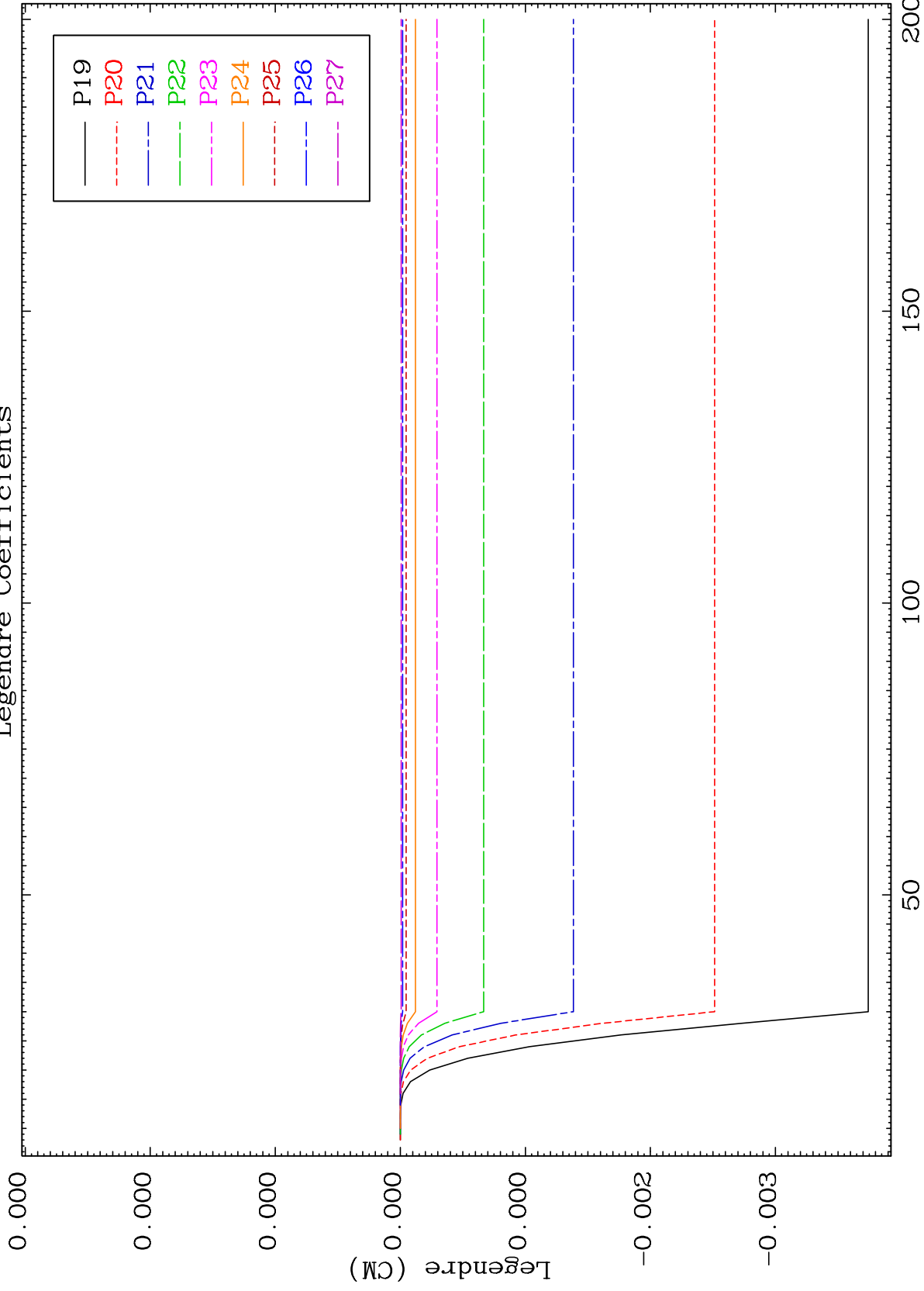


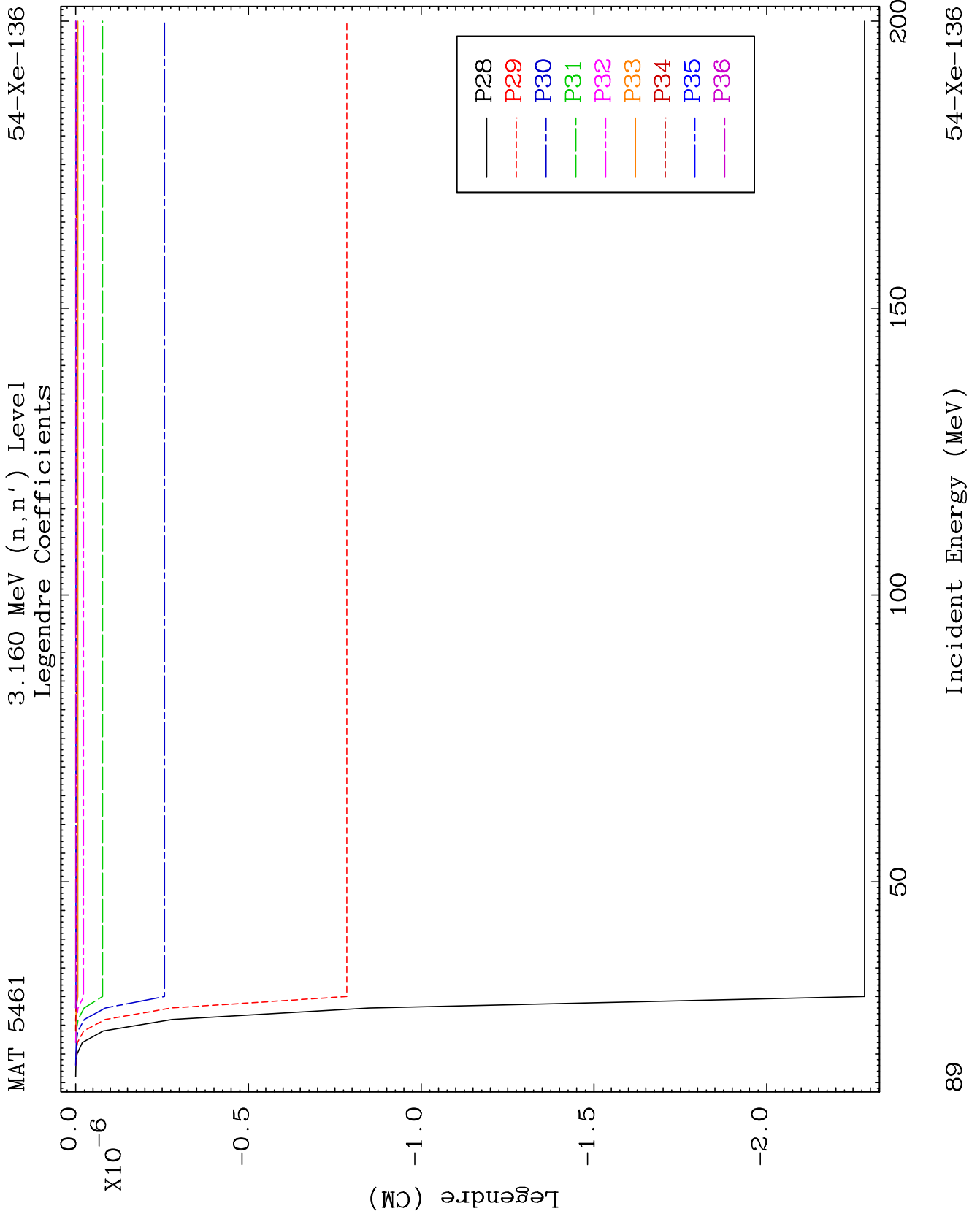
87

Incident Energy (MeV)

54-Xe-136



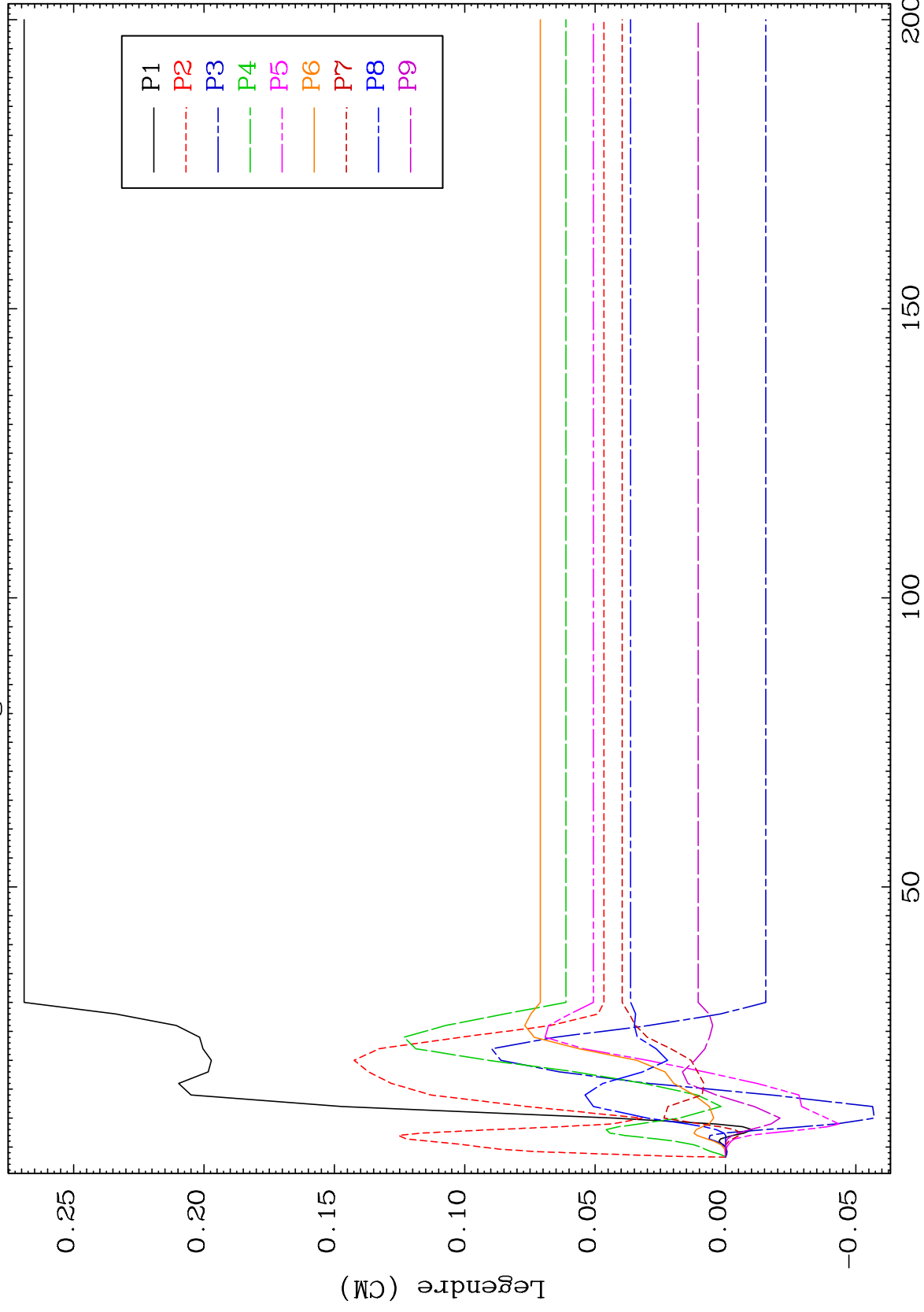




MAT 5461

3.212 MeV (n, n') Level  
Legendre Coefficients

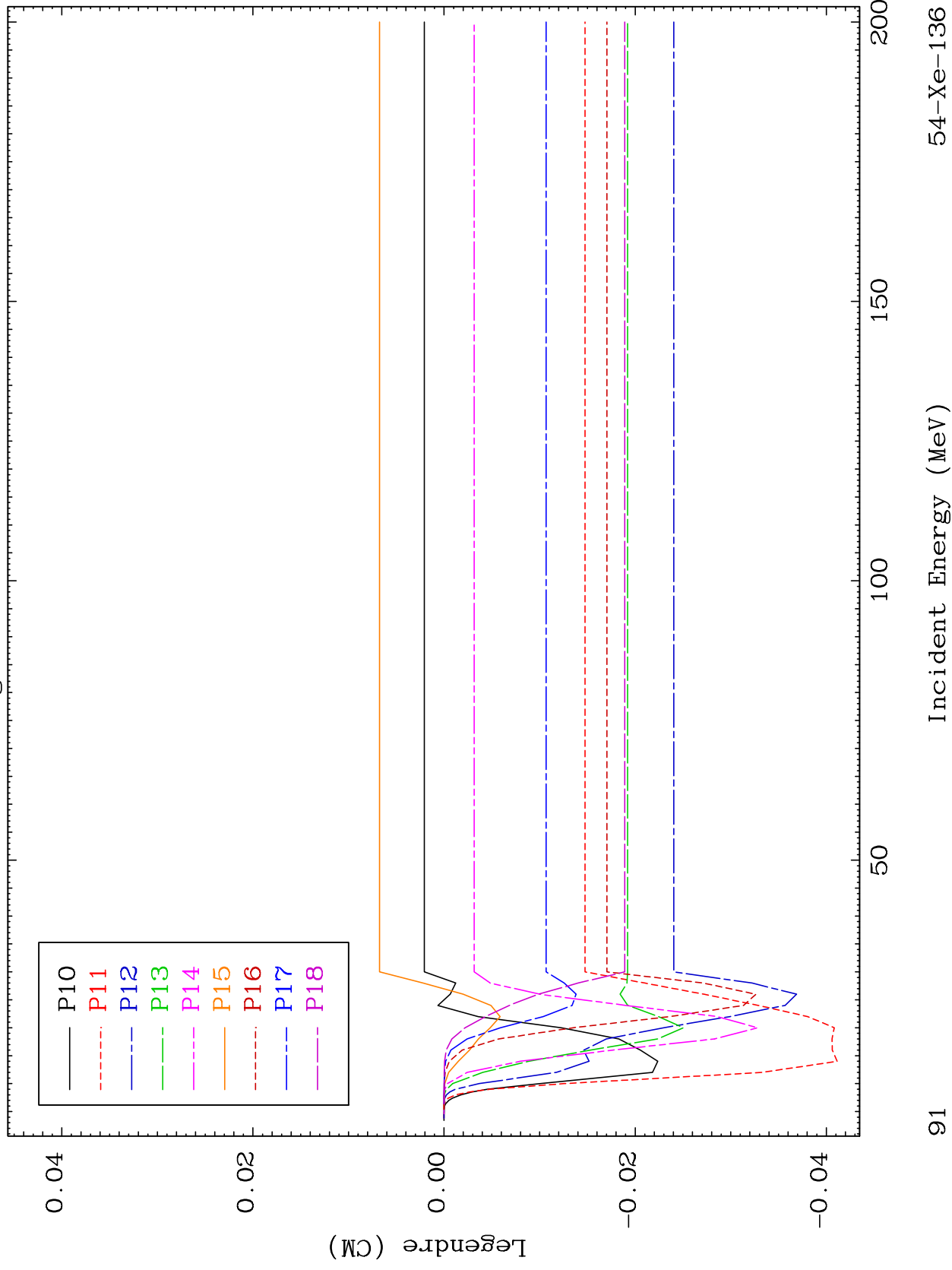
54-Xe-136

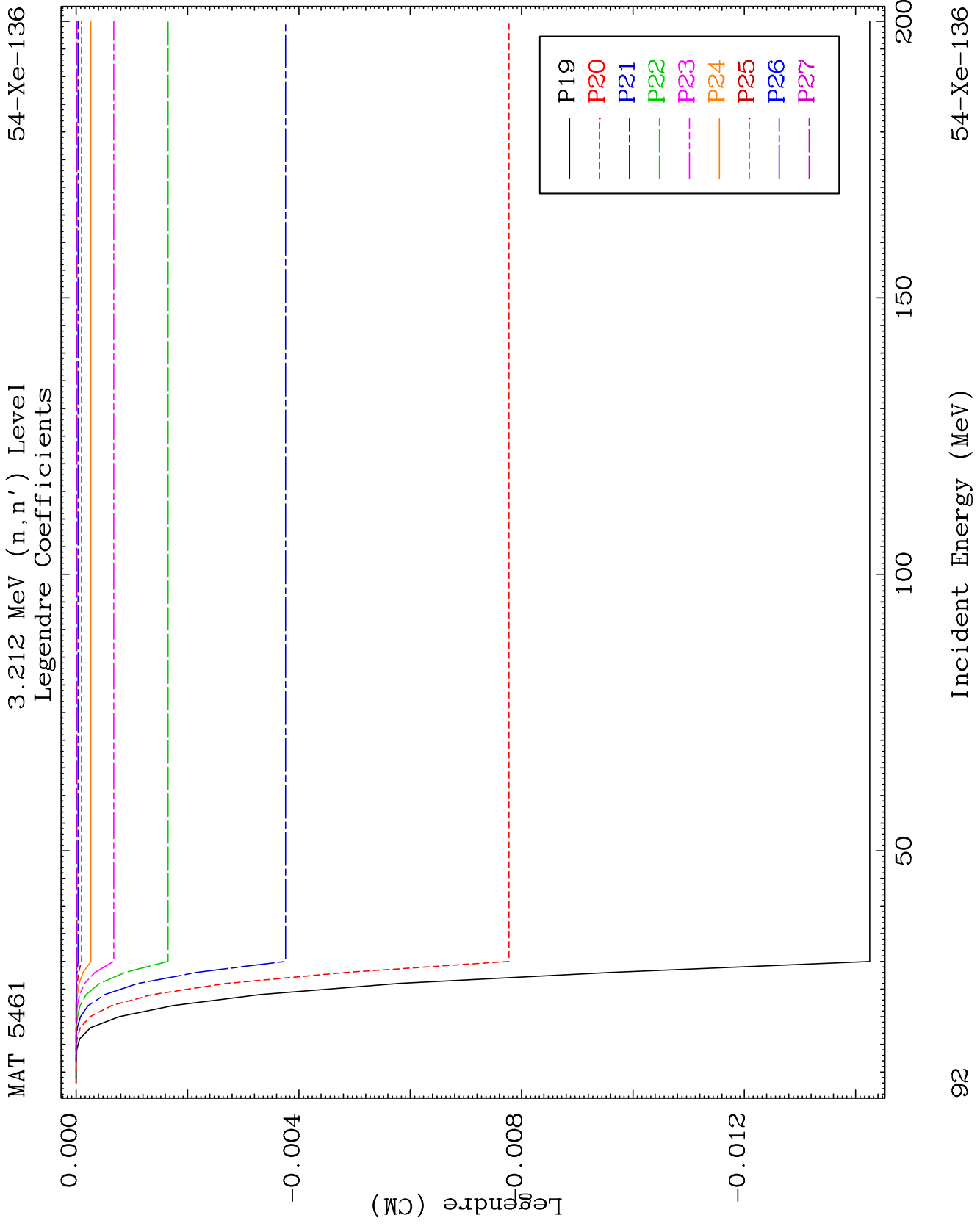


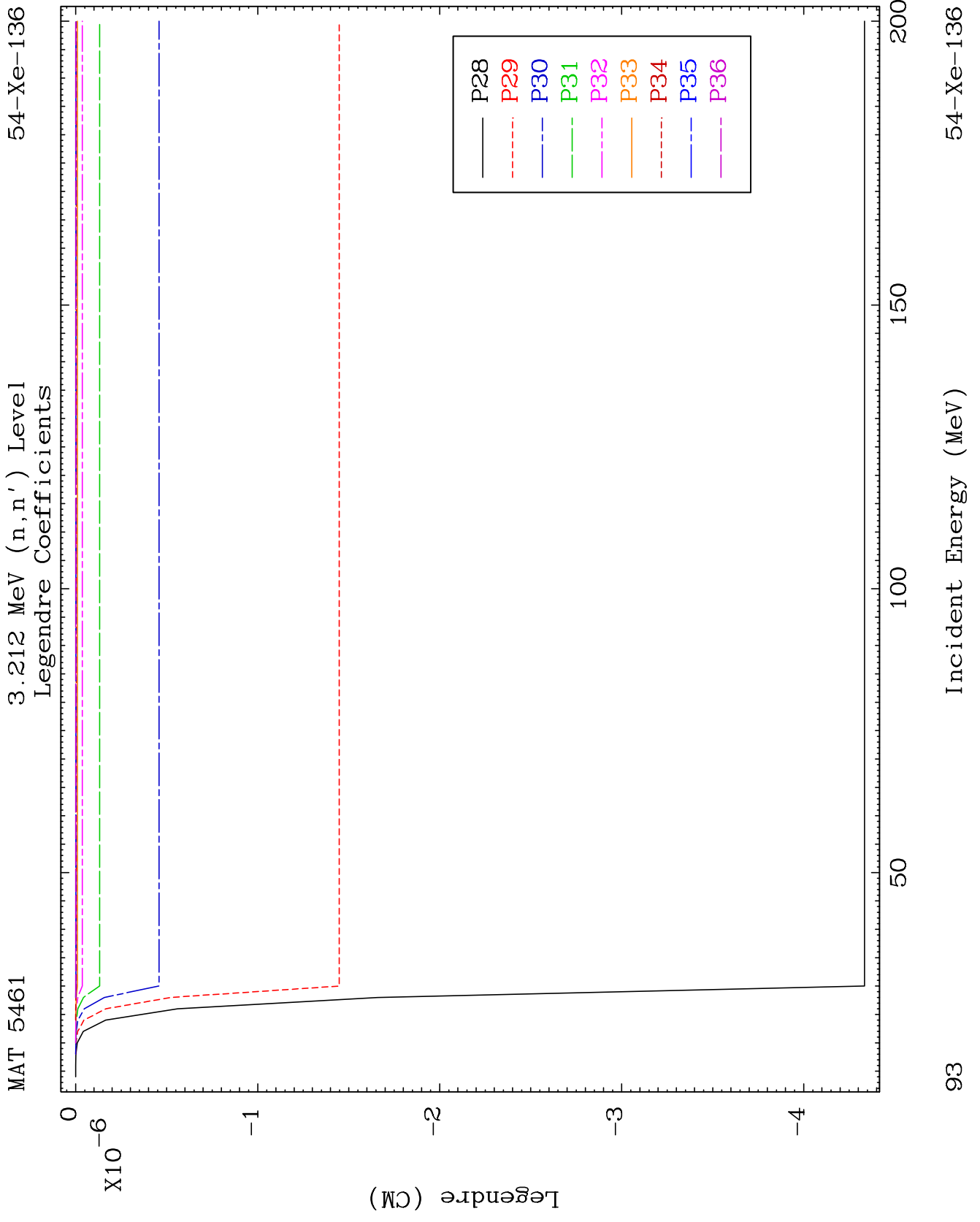
90

Incident Energy (MeV)

54-Xe-136



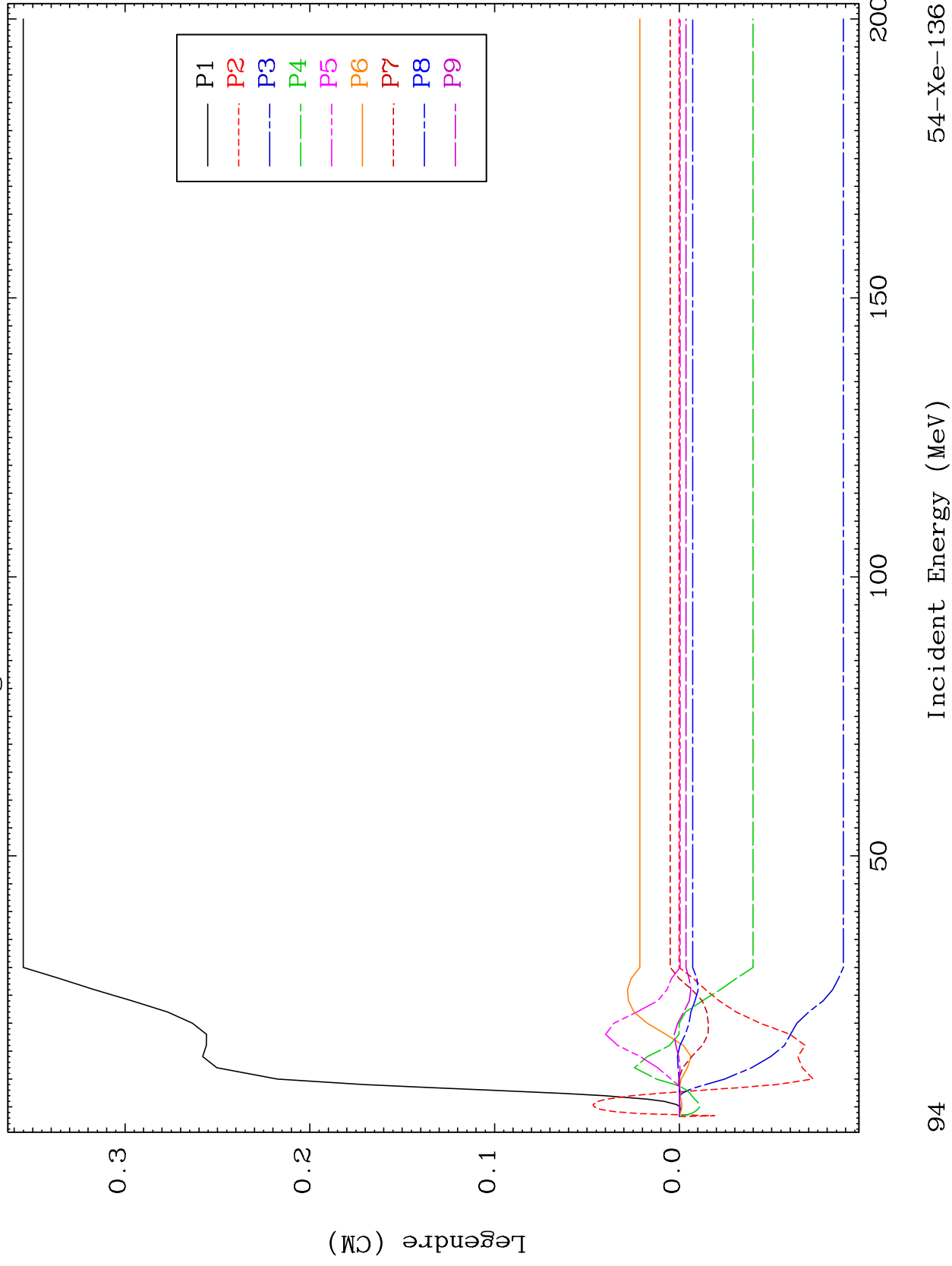




MAT 5461

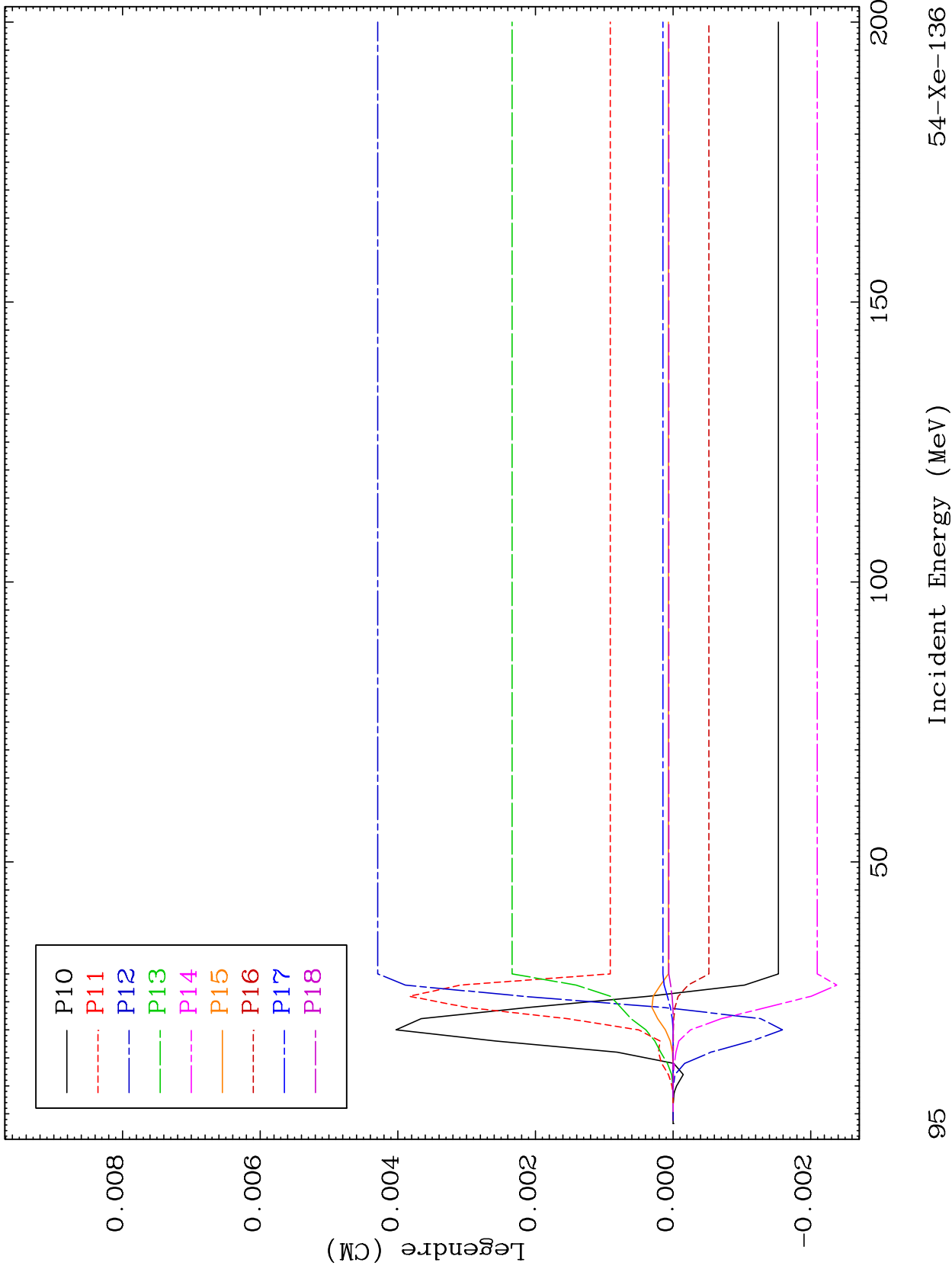
3.229 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



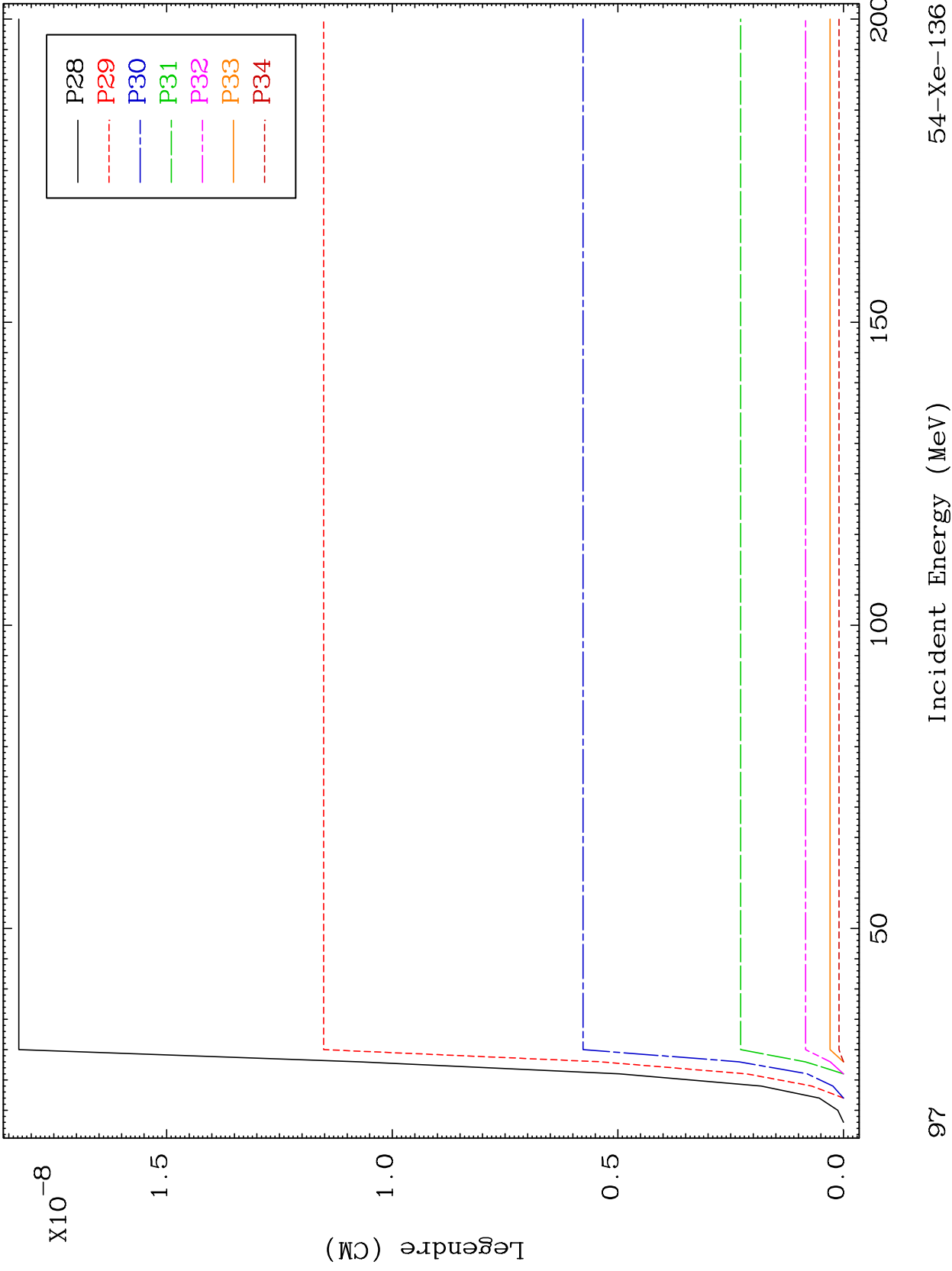
94

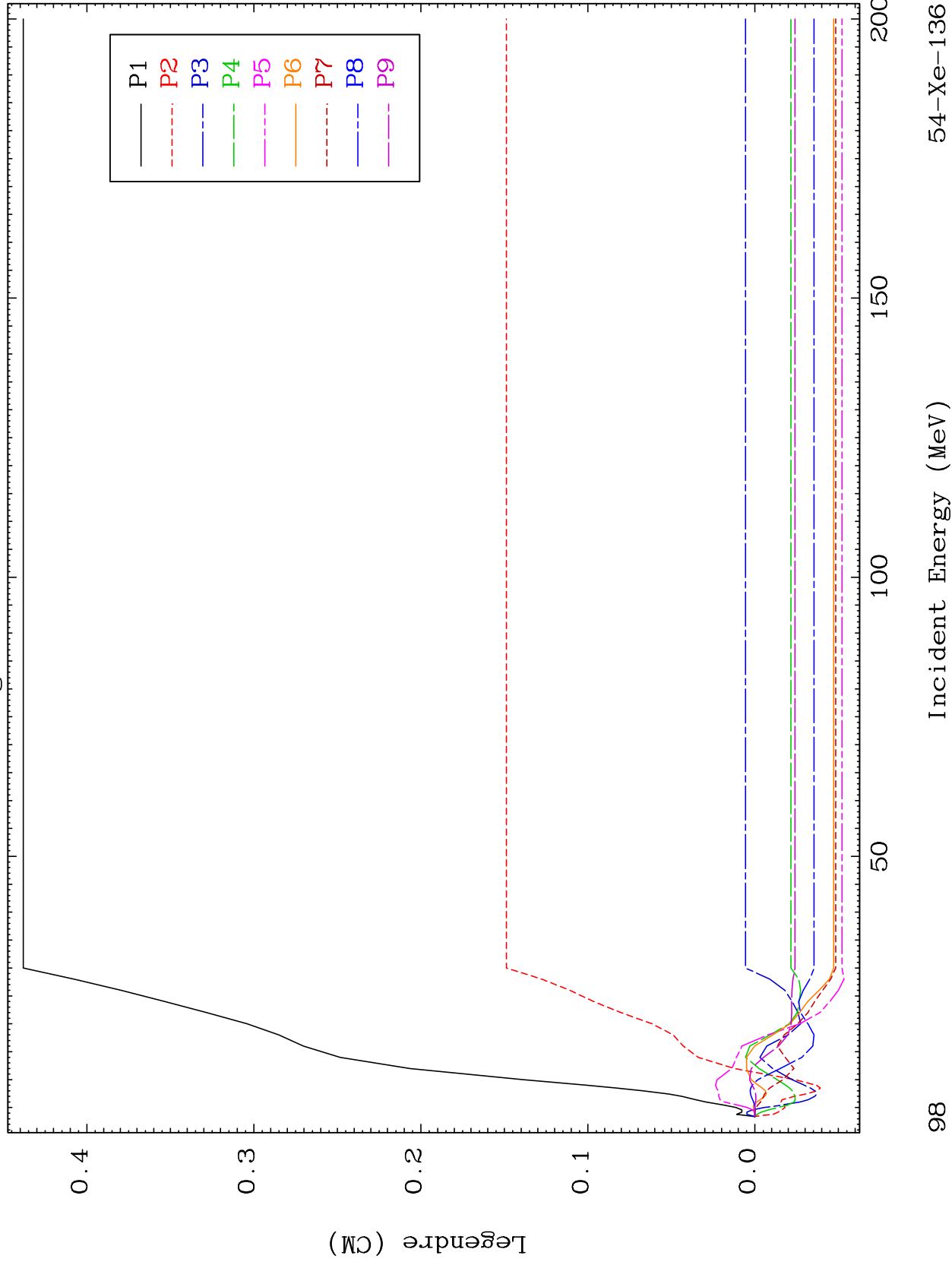
54-Xe-136

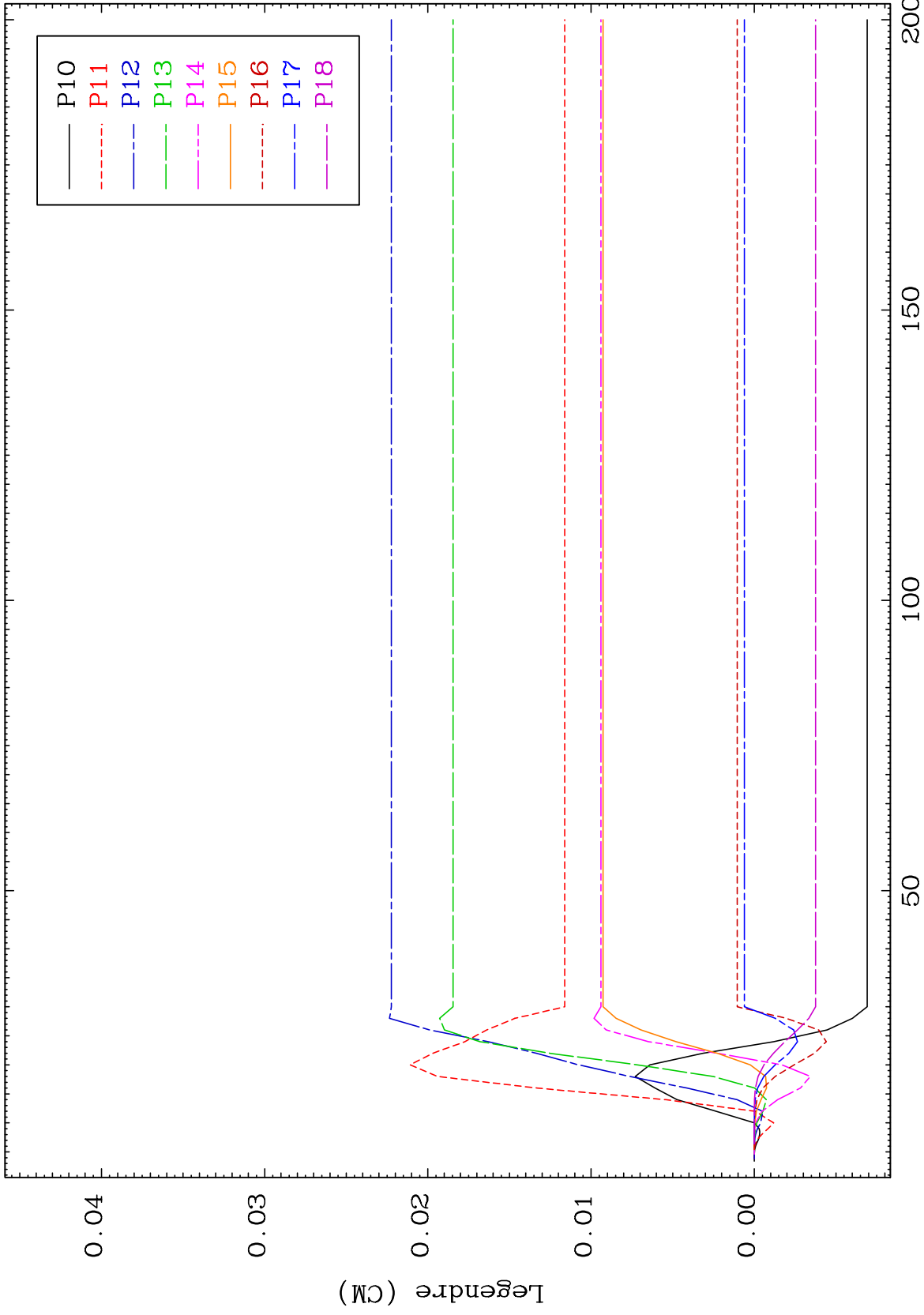








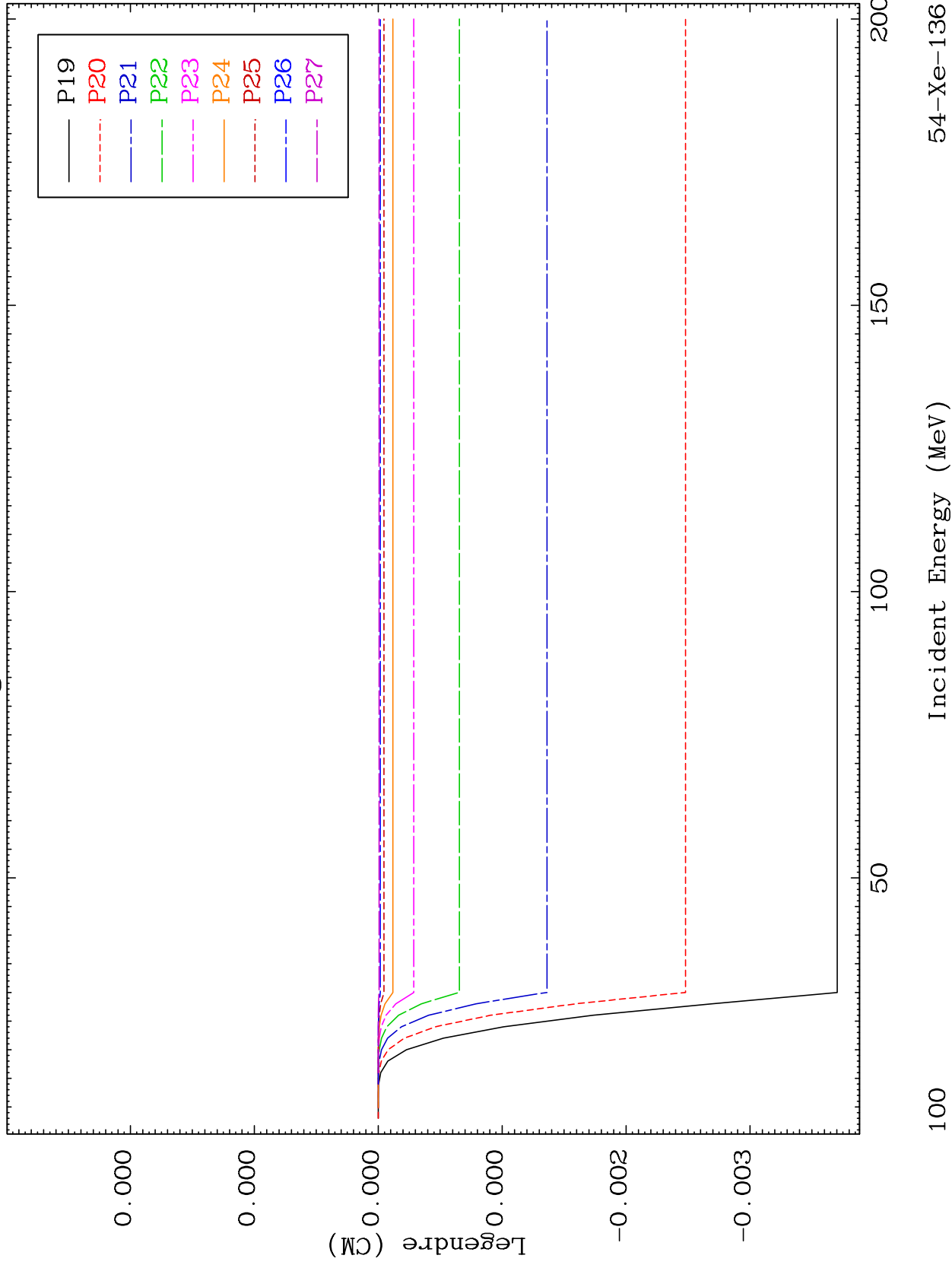


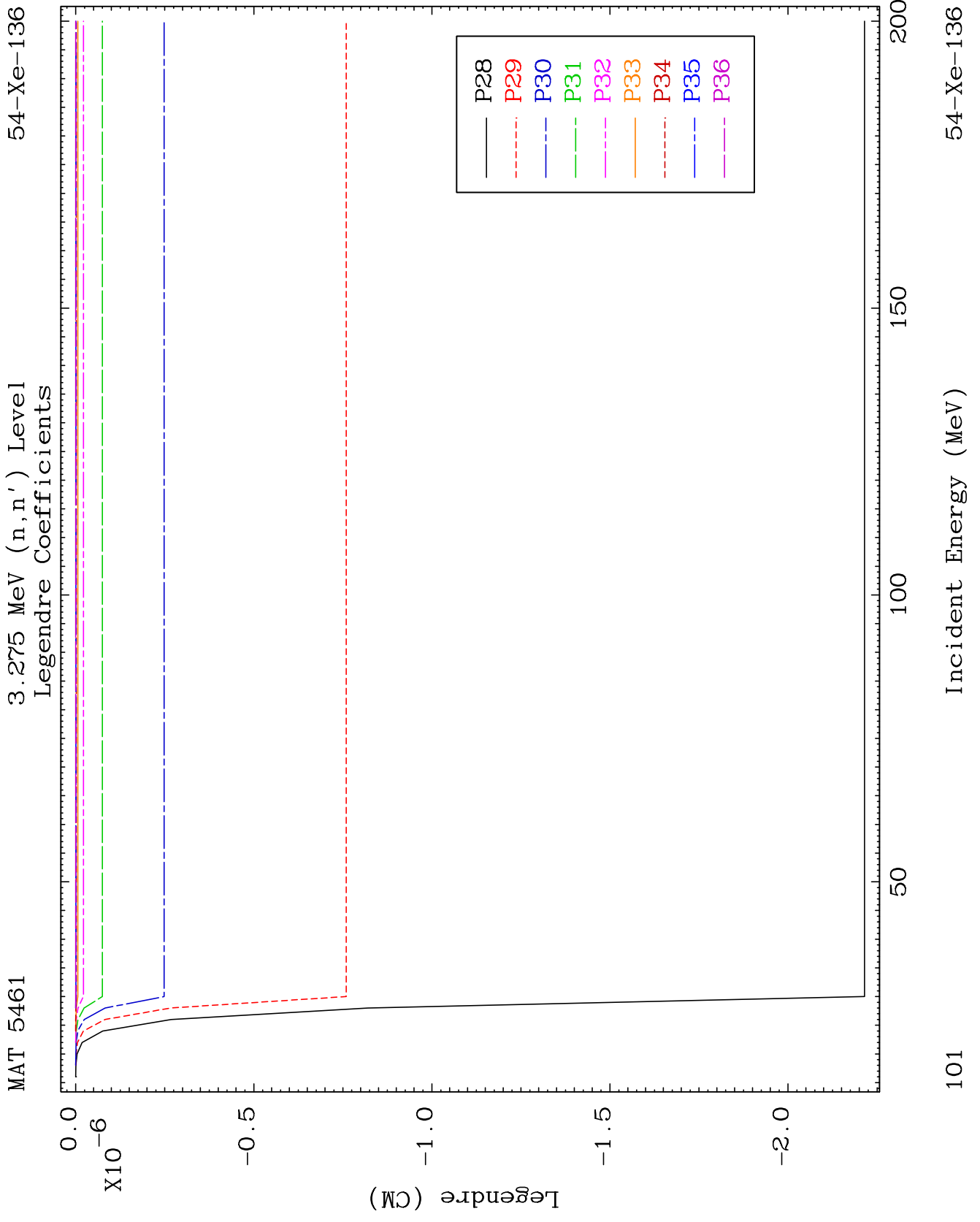


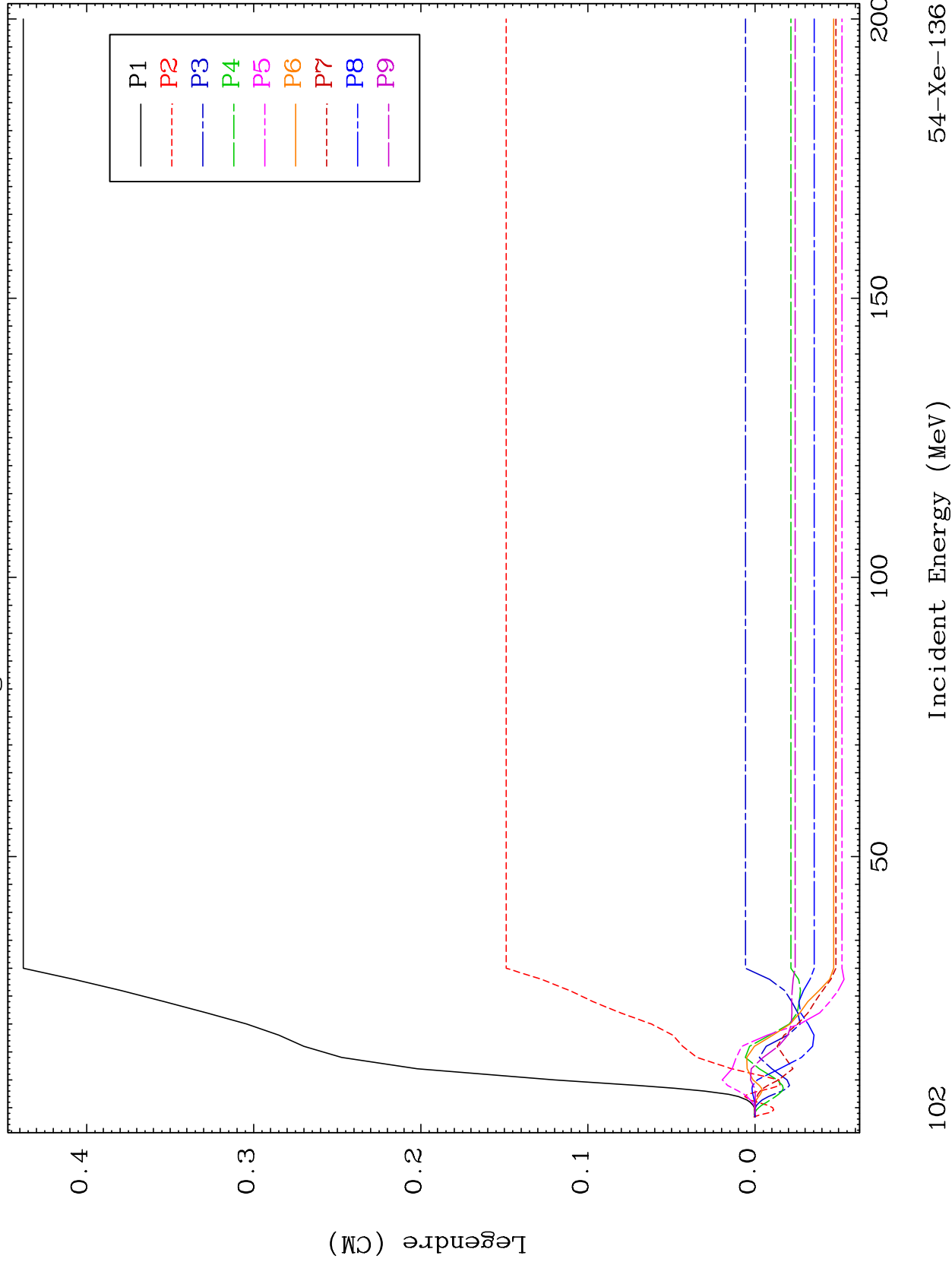
MAT 5461

3.275 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



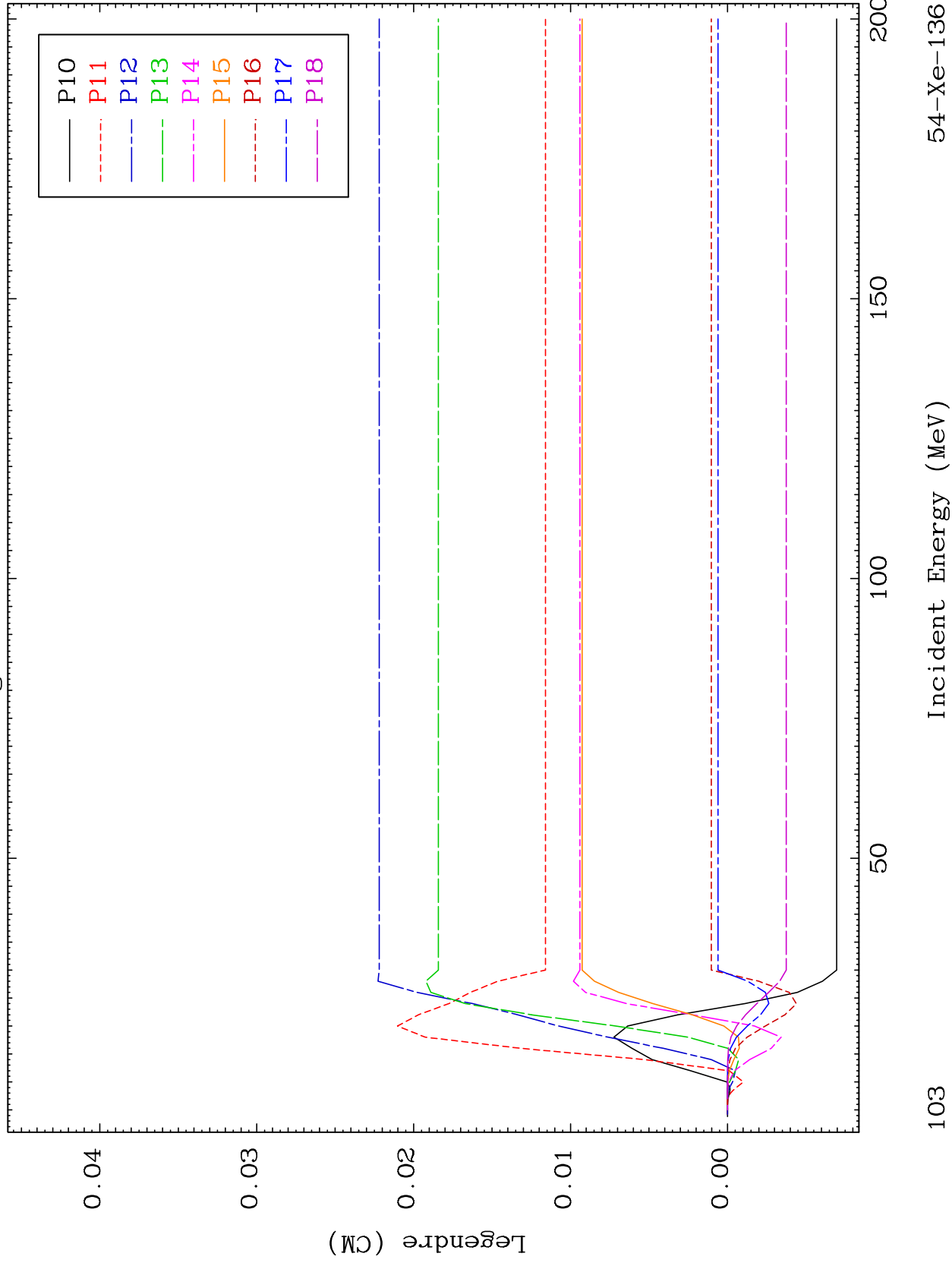




MAT 5461

3.310 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



103

Incident Energy (MeV)

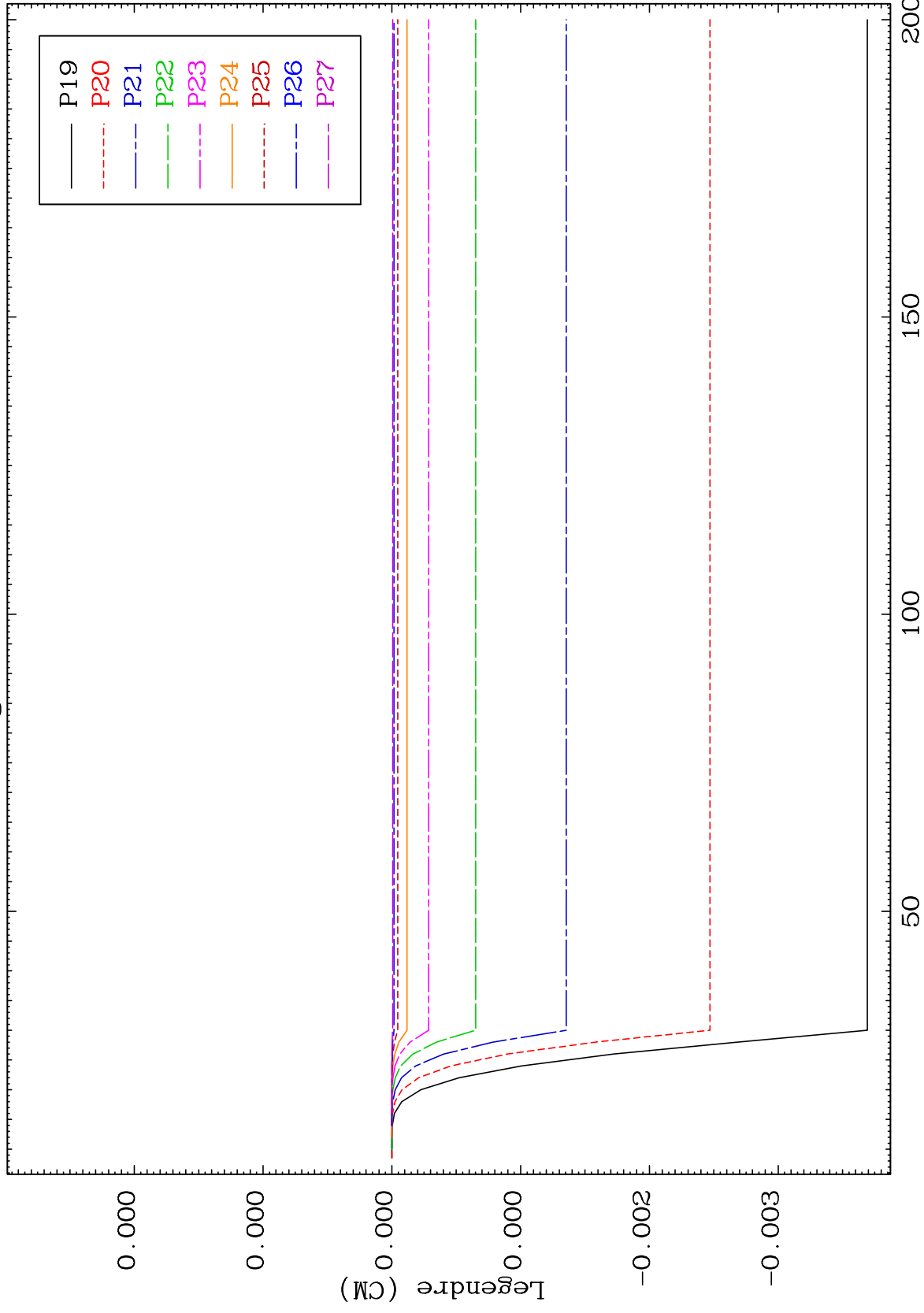
54-Xe-136



MAT 5461

3.310 MeV (n,n') Level  
Legendre Coefficients

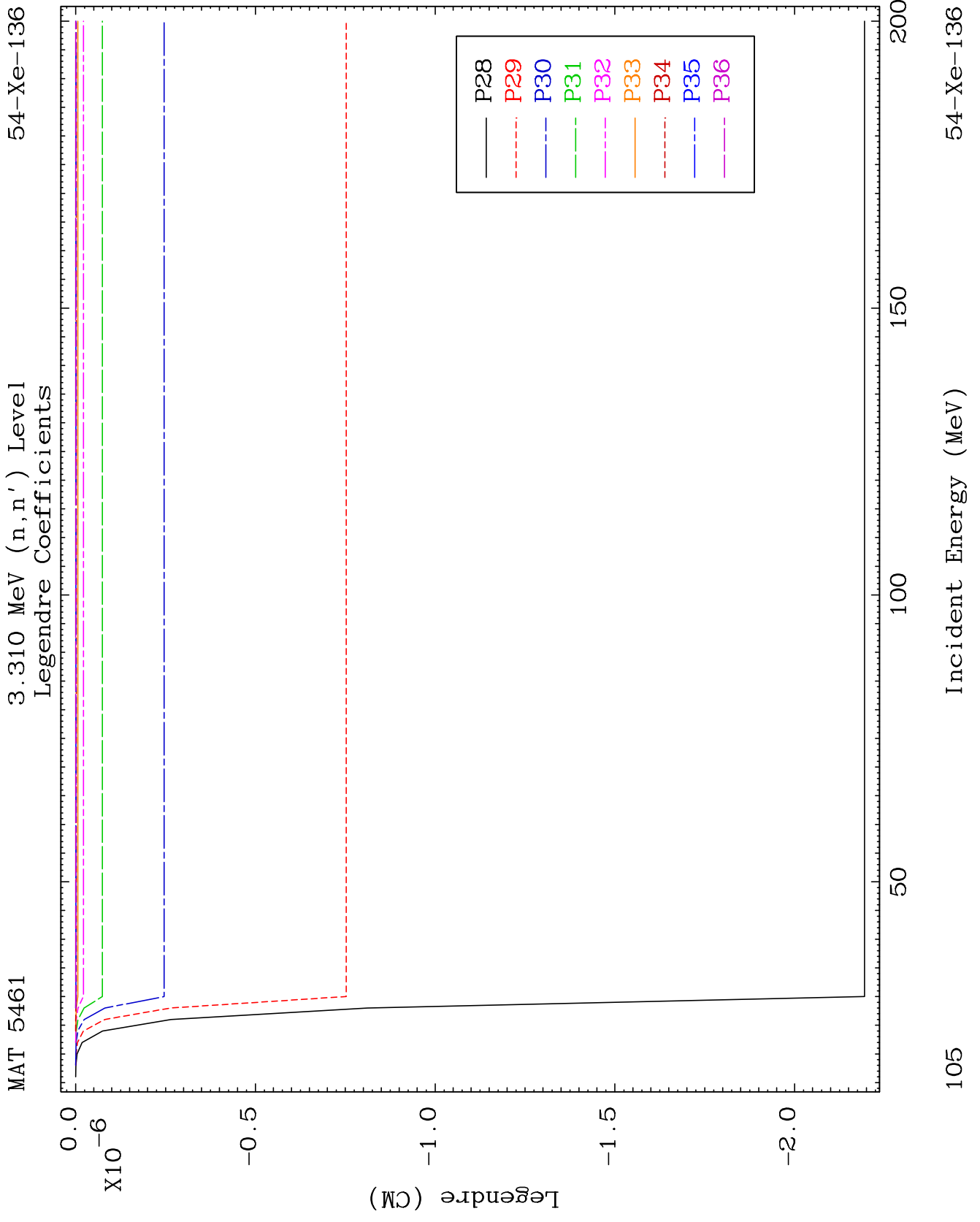
54-Xe-136



104

Incident Energy (MeV)

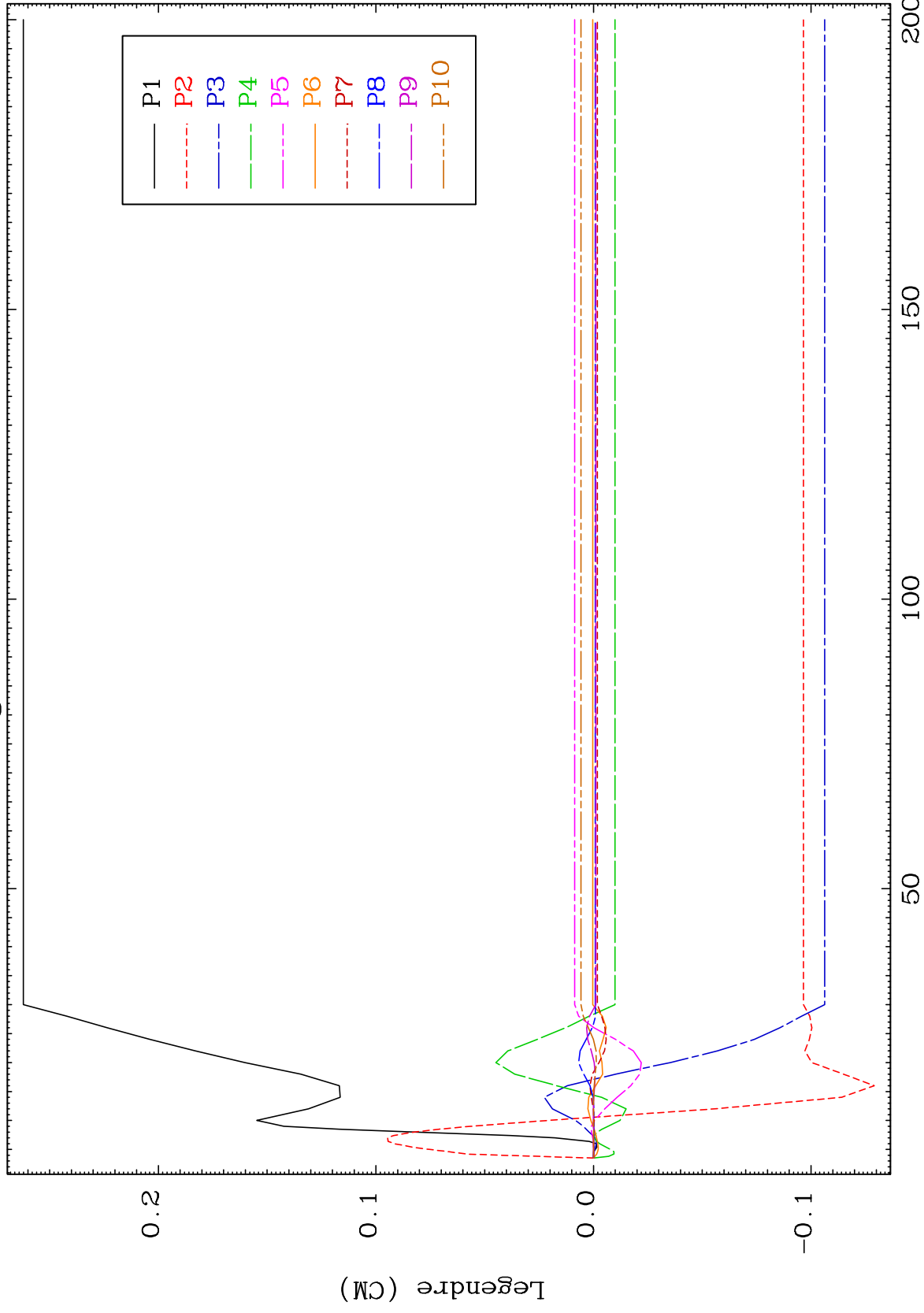
54-Xe-136



MAT 5461

3.484 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



106

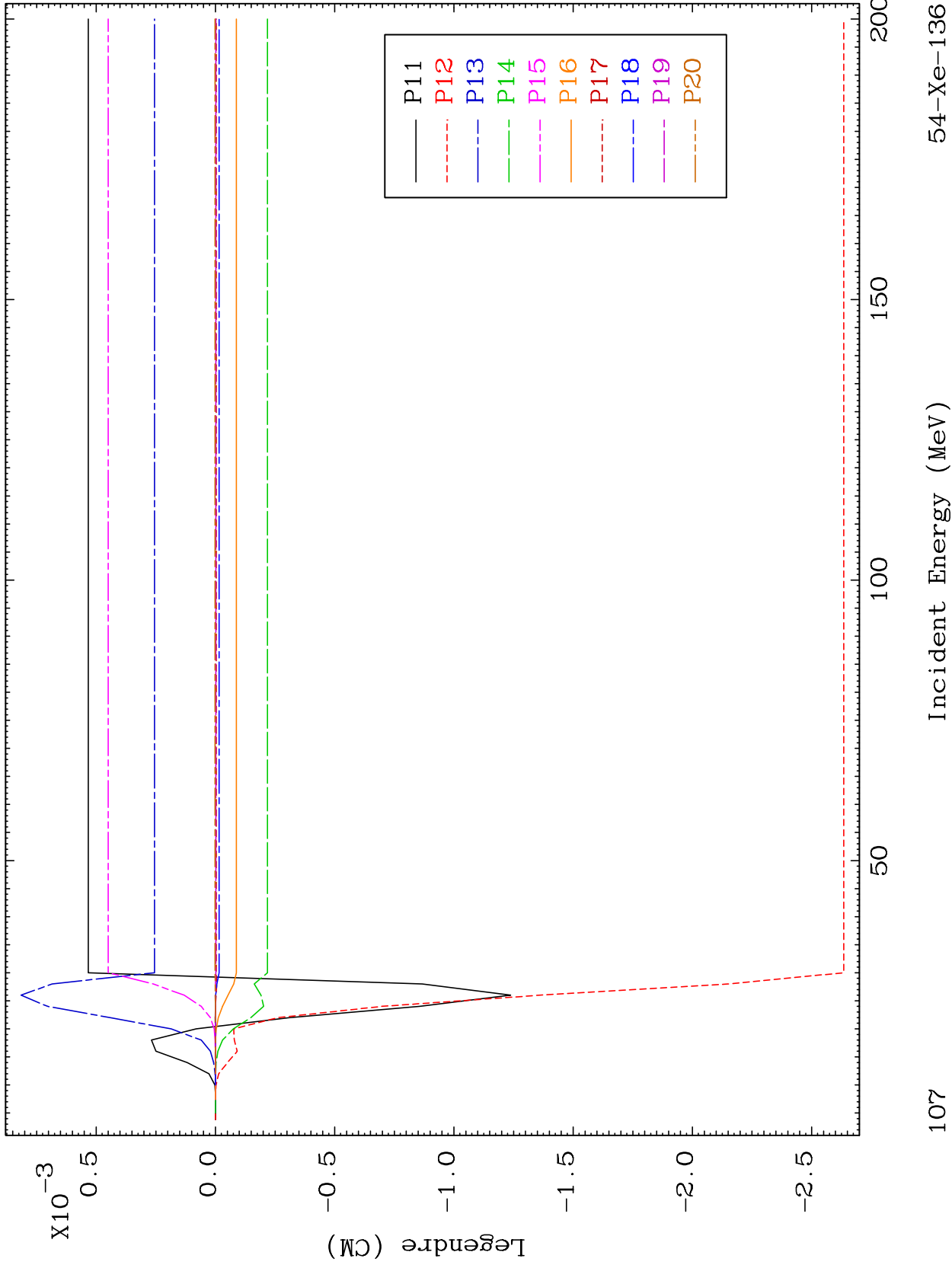
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.484 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



107

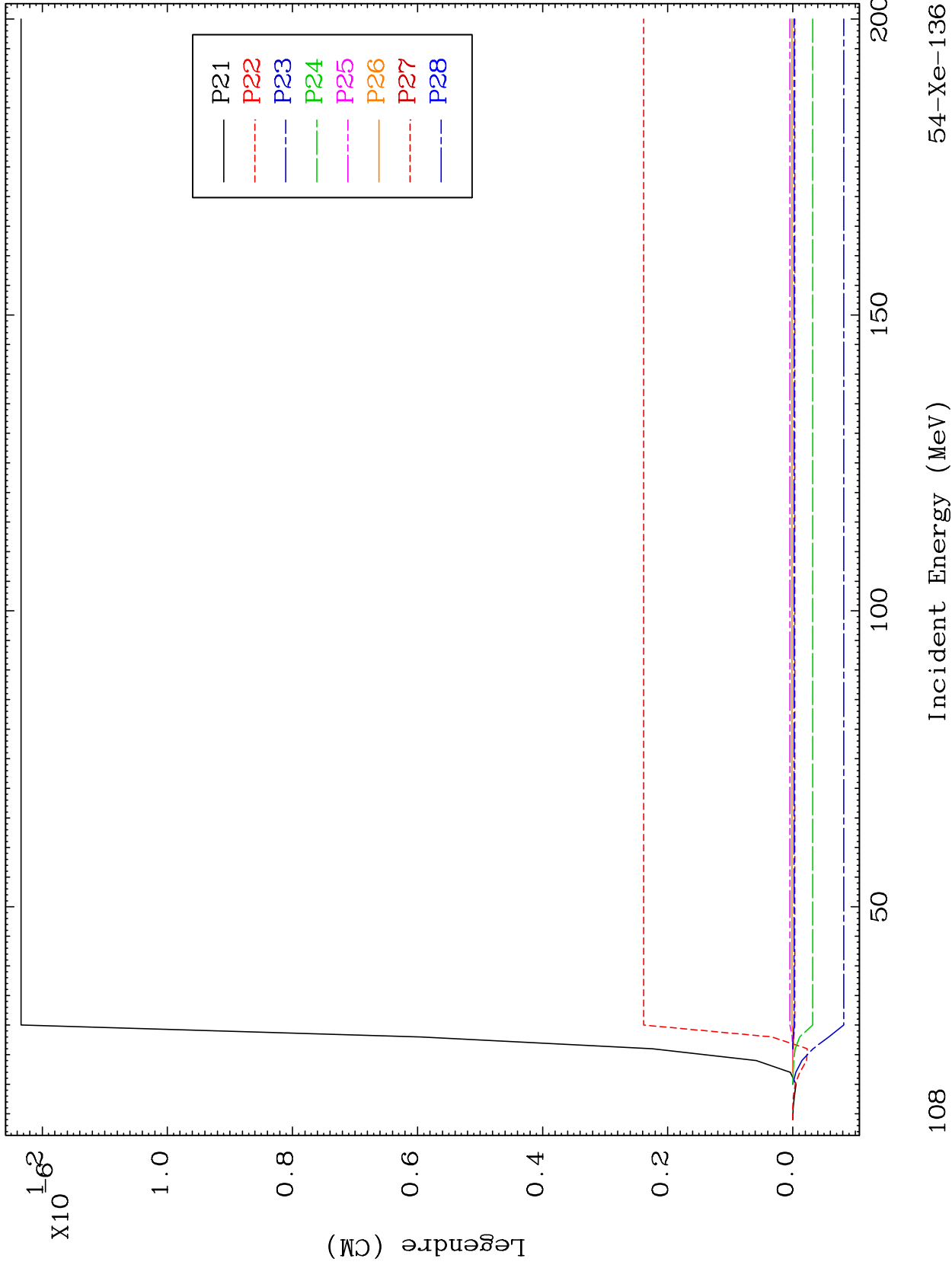
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.484 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



108

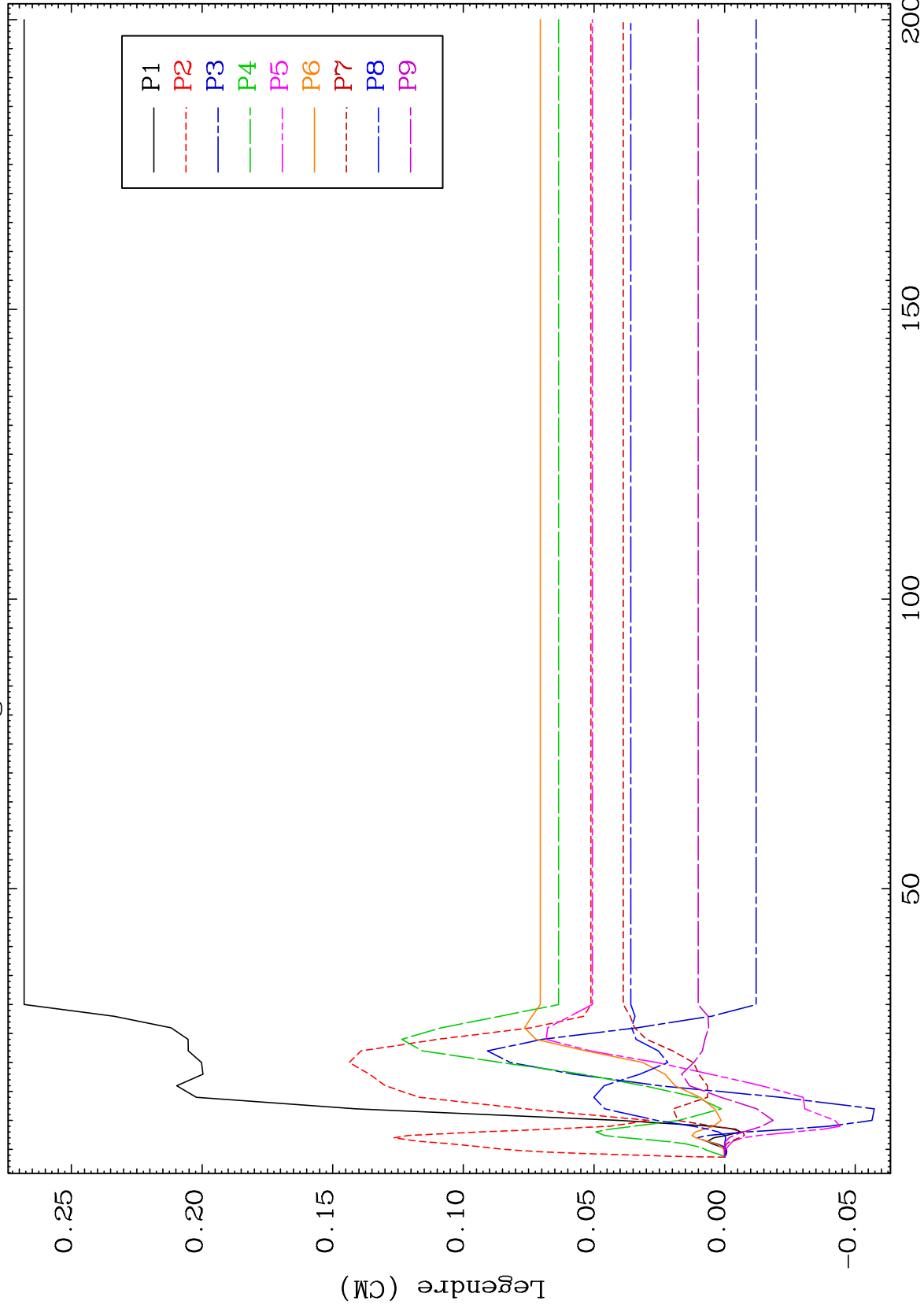
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.630 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



54-Xe-136

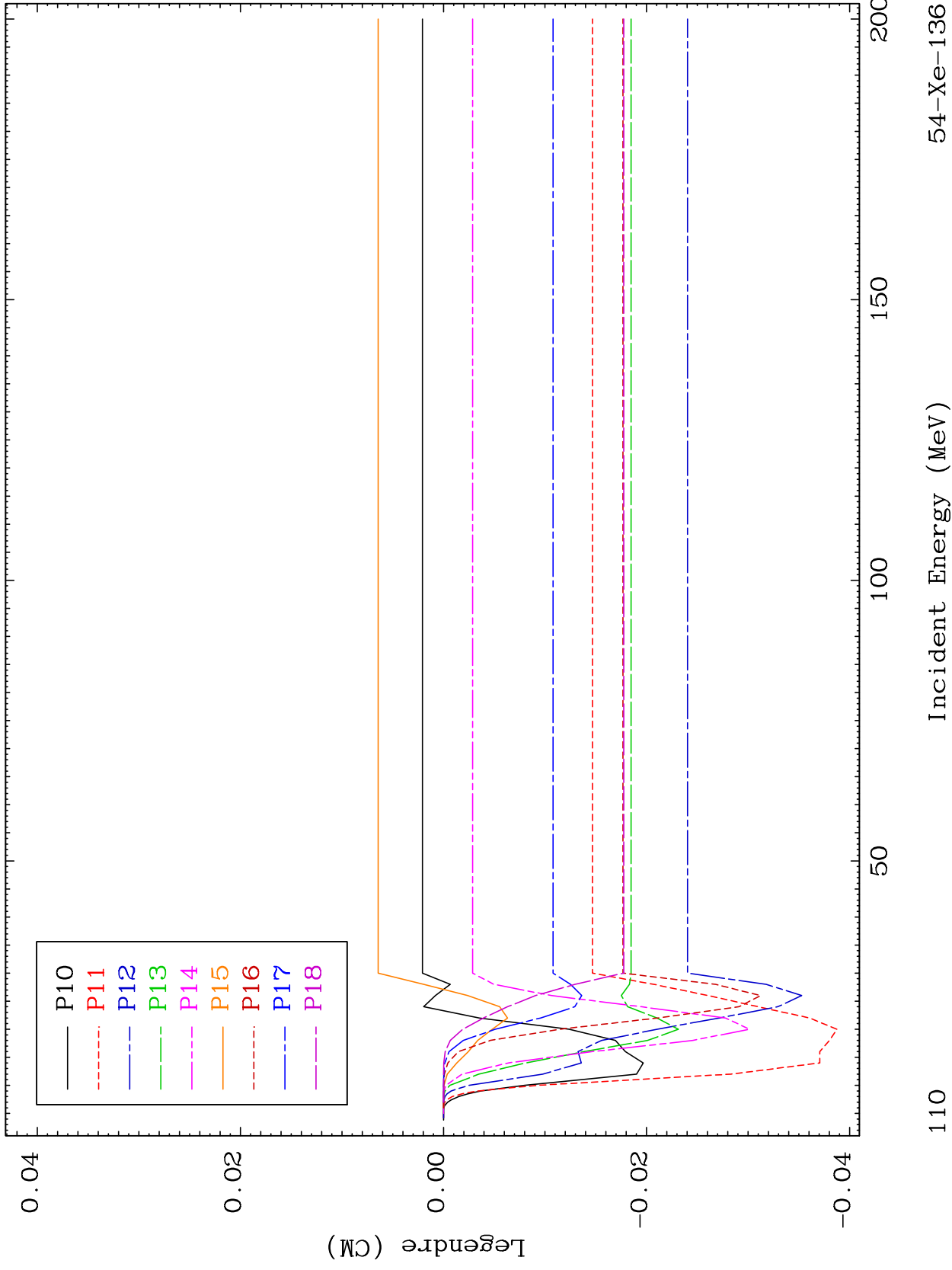
Incident Energy (MeV)

109

MAT 5461

3.630 MeV (n,n') Level  
Legendre Coefficients

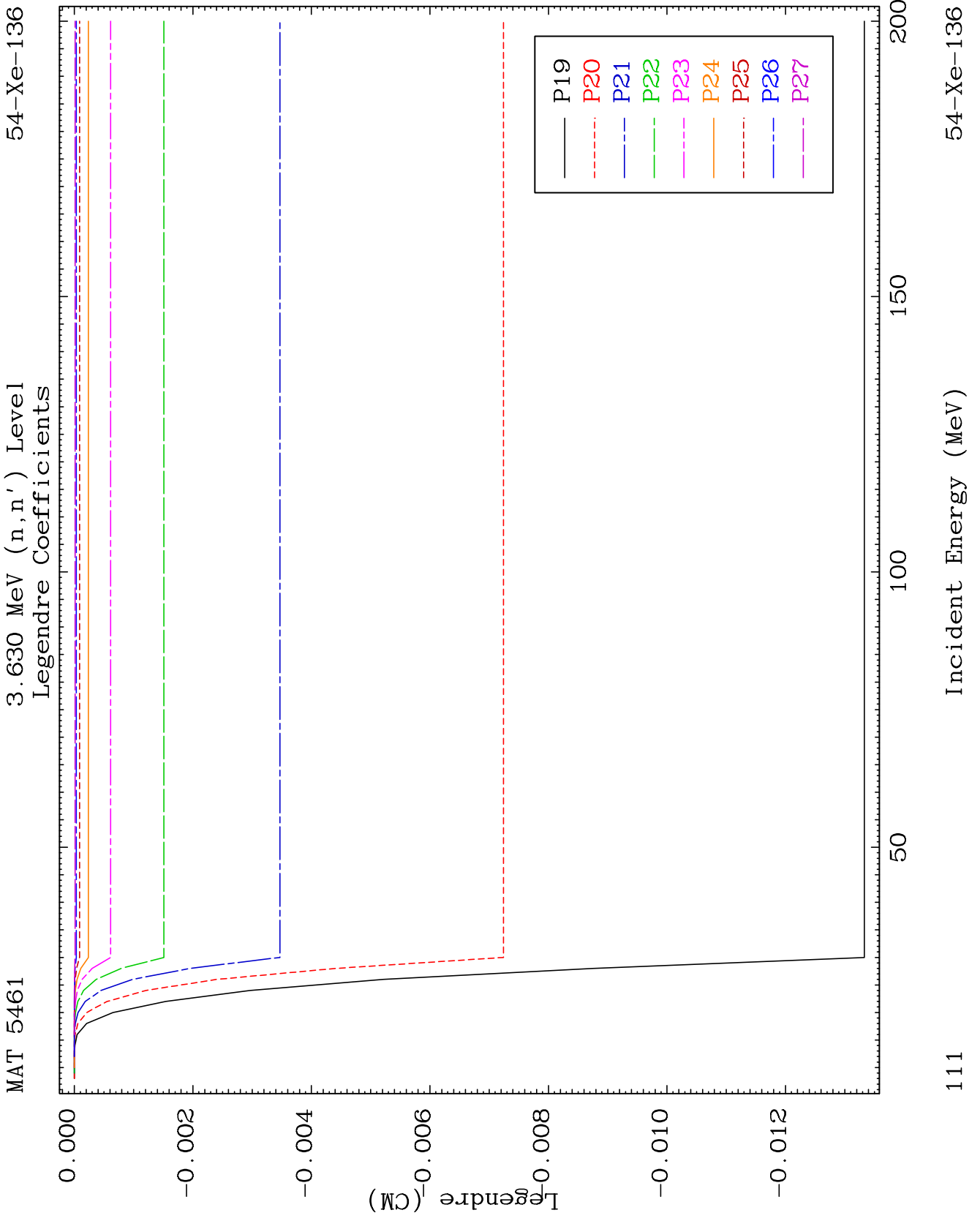
54-Xe-136



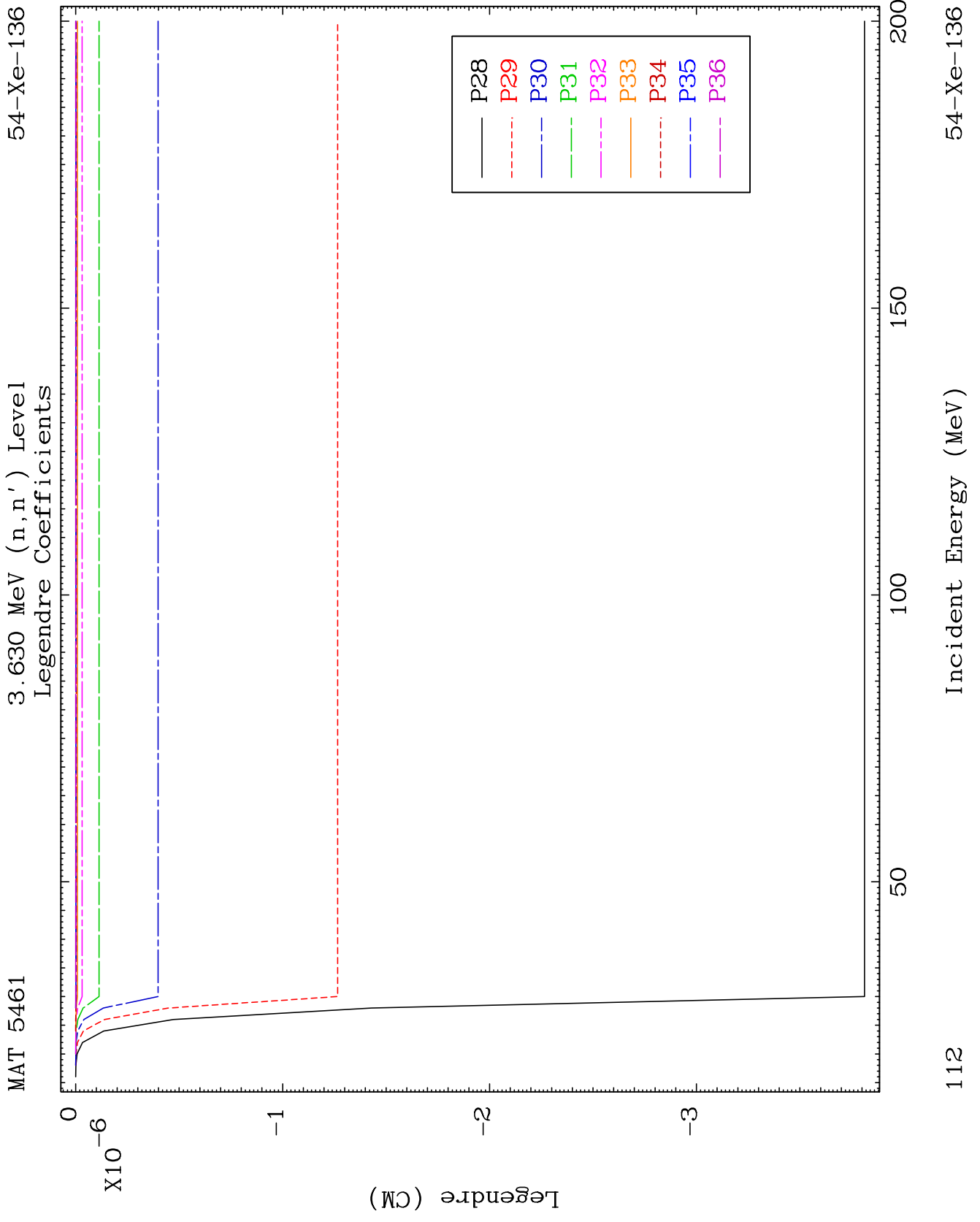
54-Xe-136

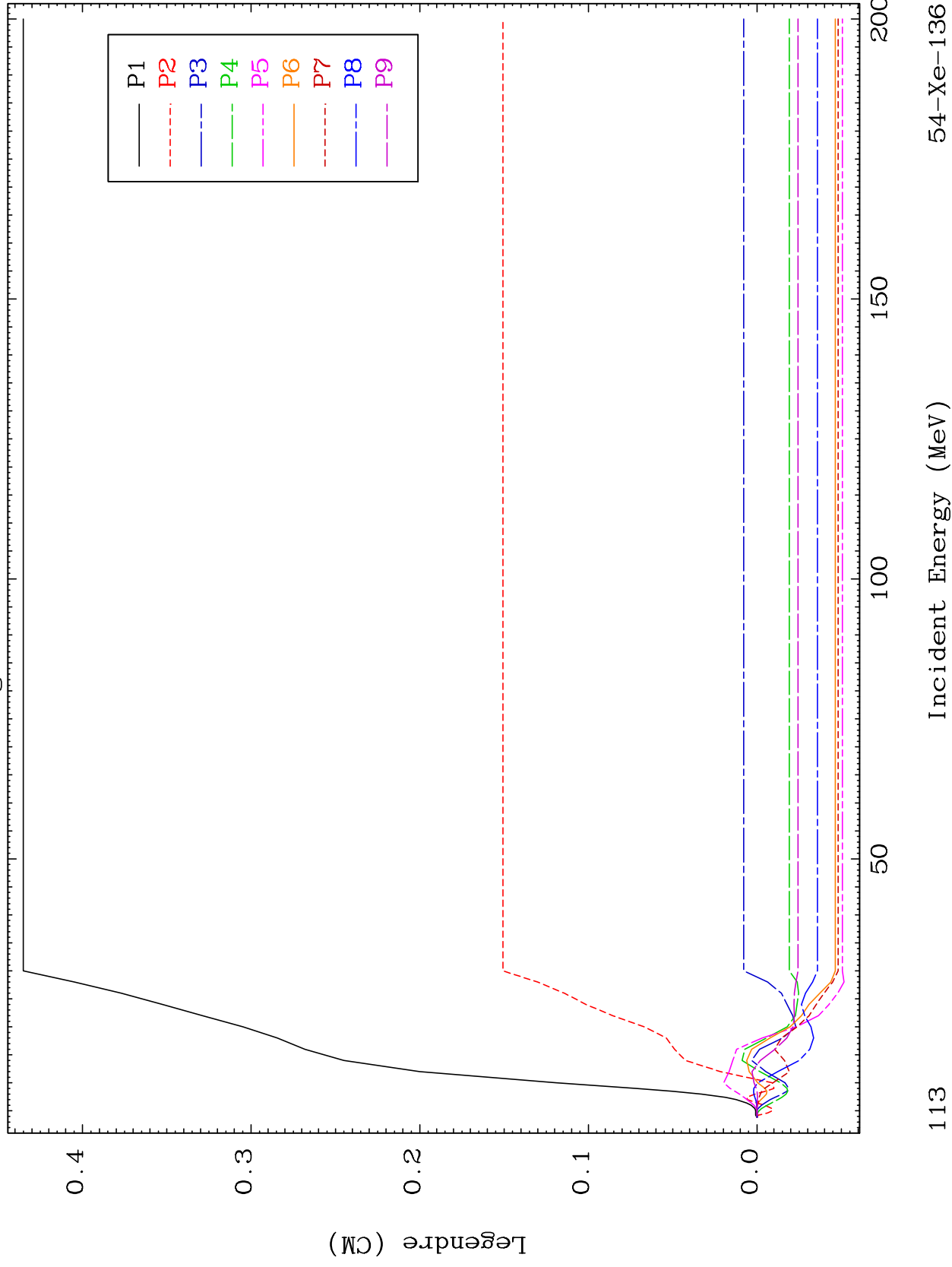
Incident Energy (MeV)

110





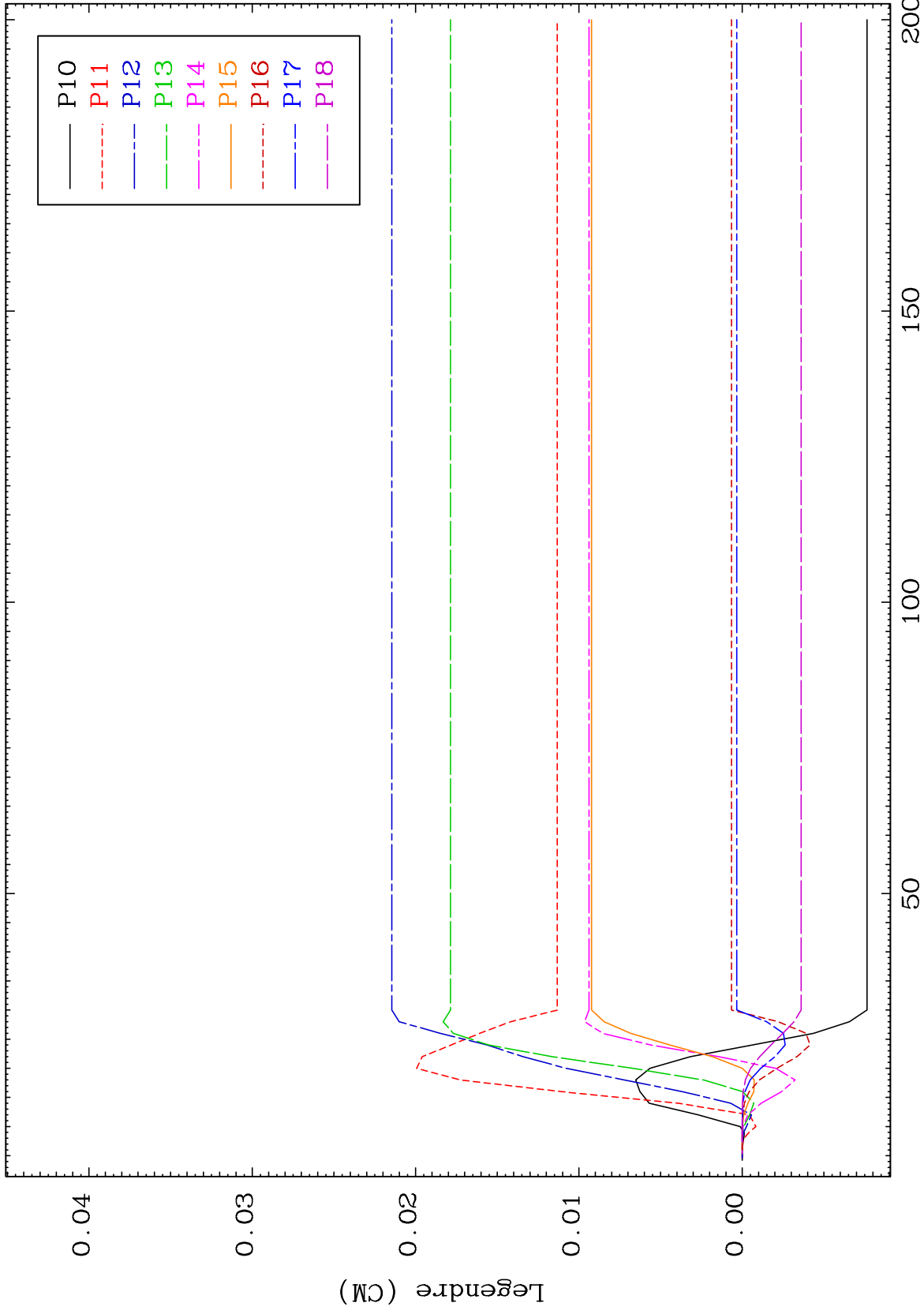




MAT 5461

3.780 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



114

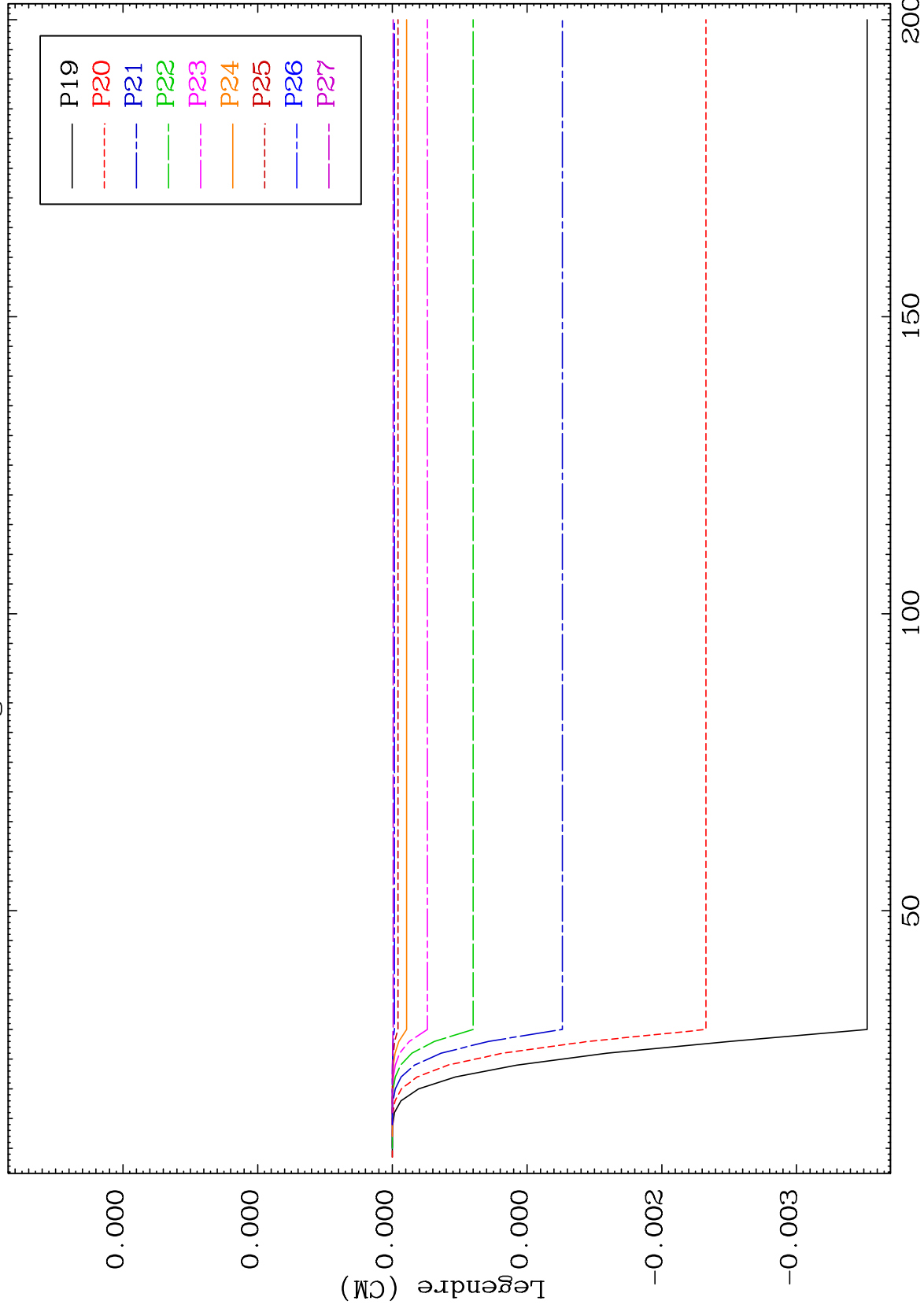
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.780 MeV (n,n') Level  
Legendre Coefficients

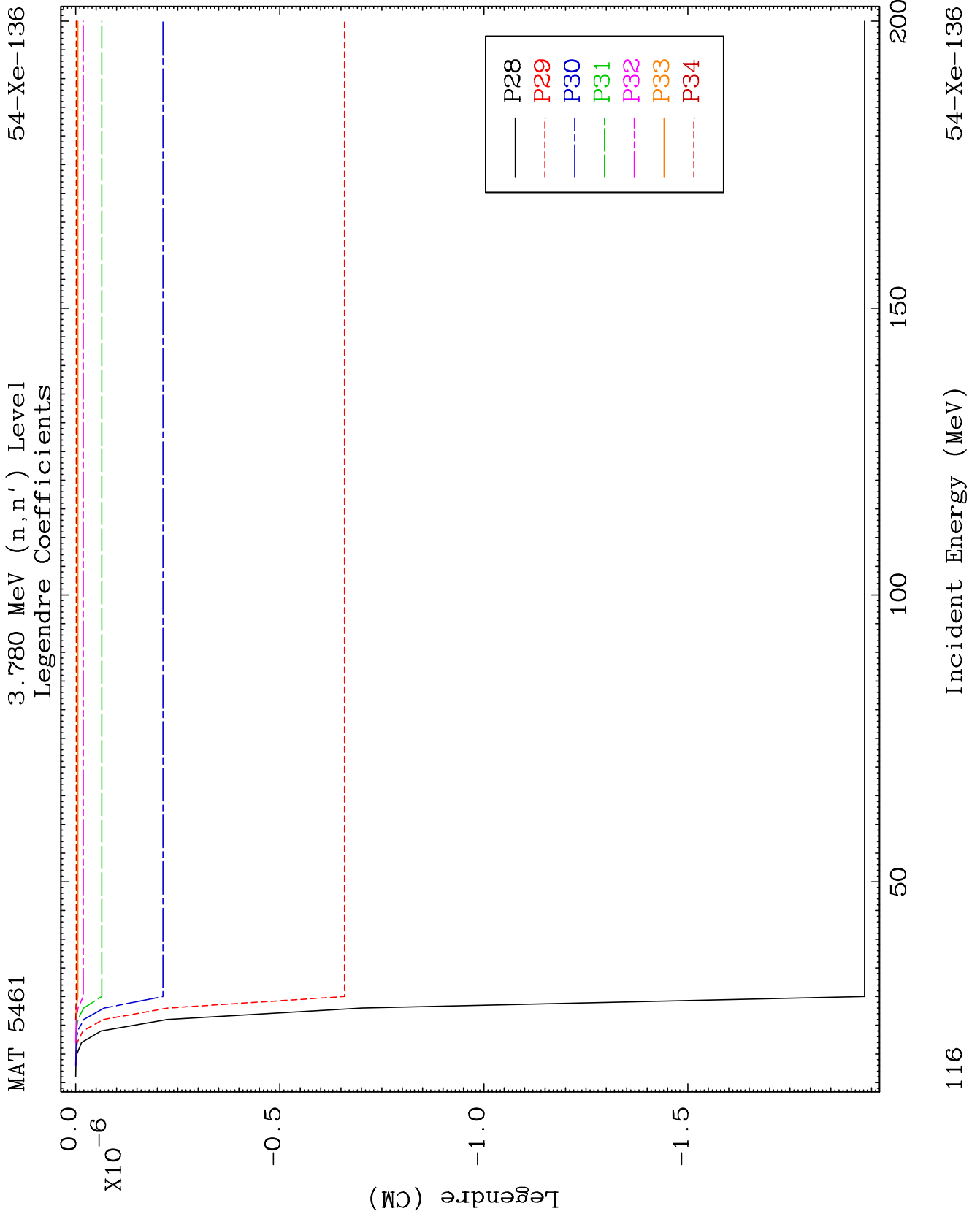
54-Xe-136



115

Incident Energy (MeV)

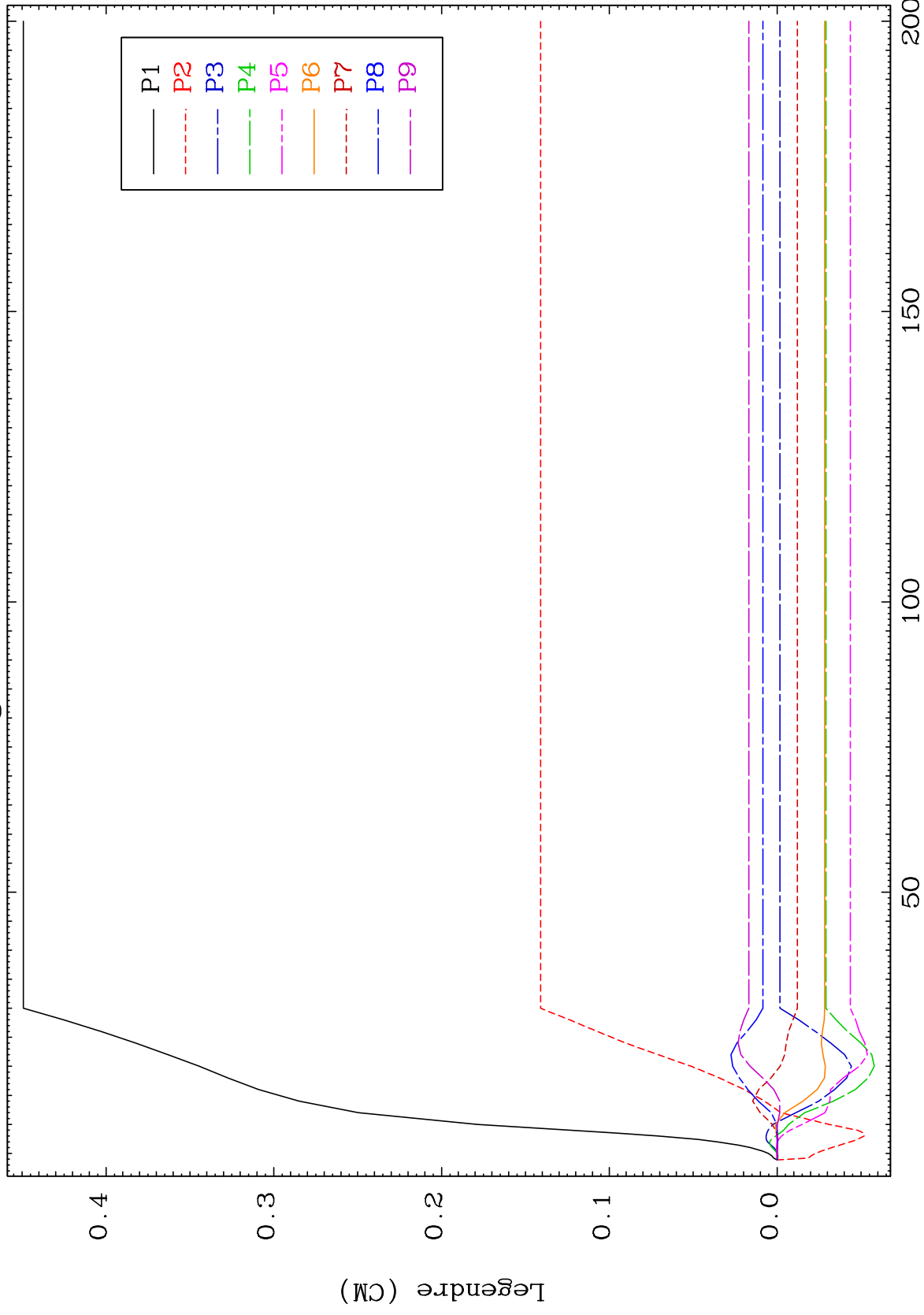
54-Xe-136



MAT 5461

3.830 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



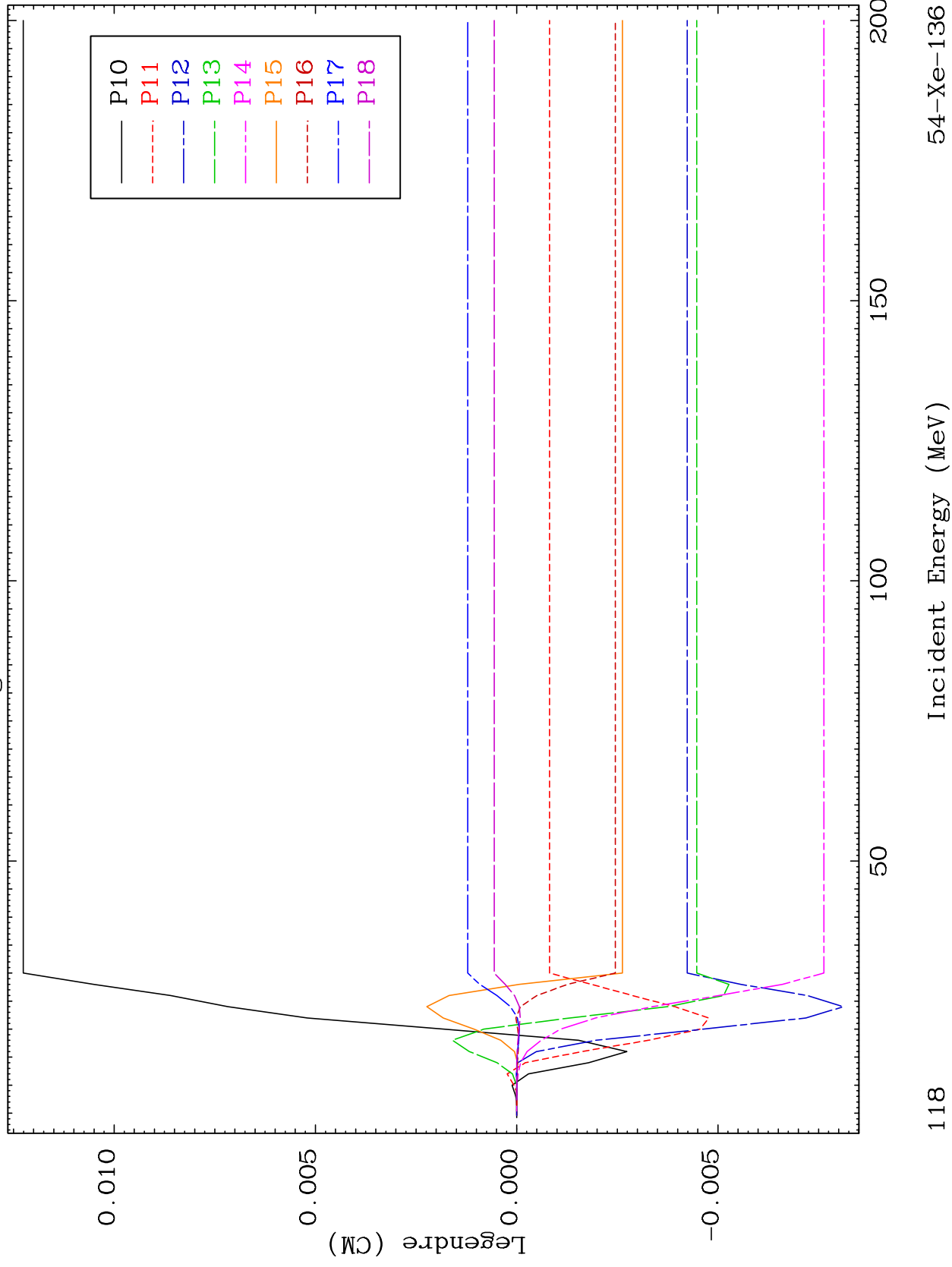
117

54-Xe-136

MAT 5461

3.830 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



118

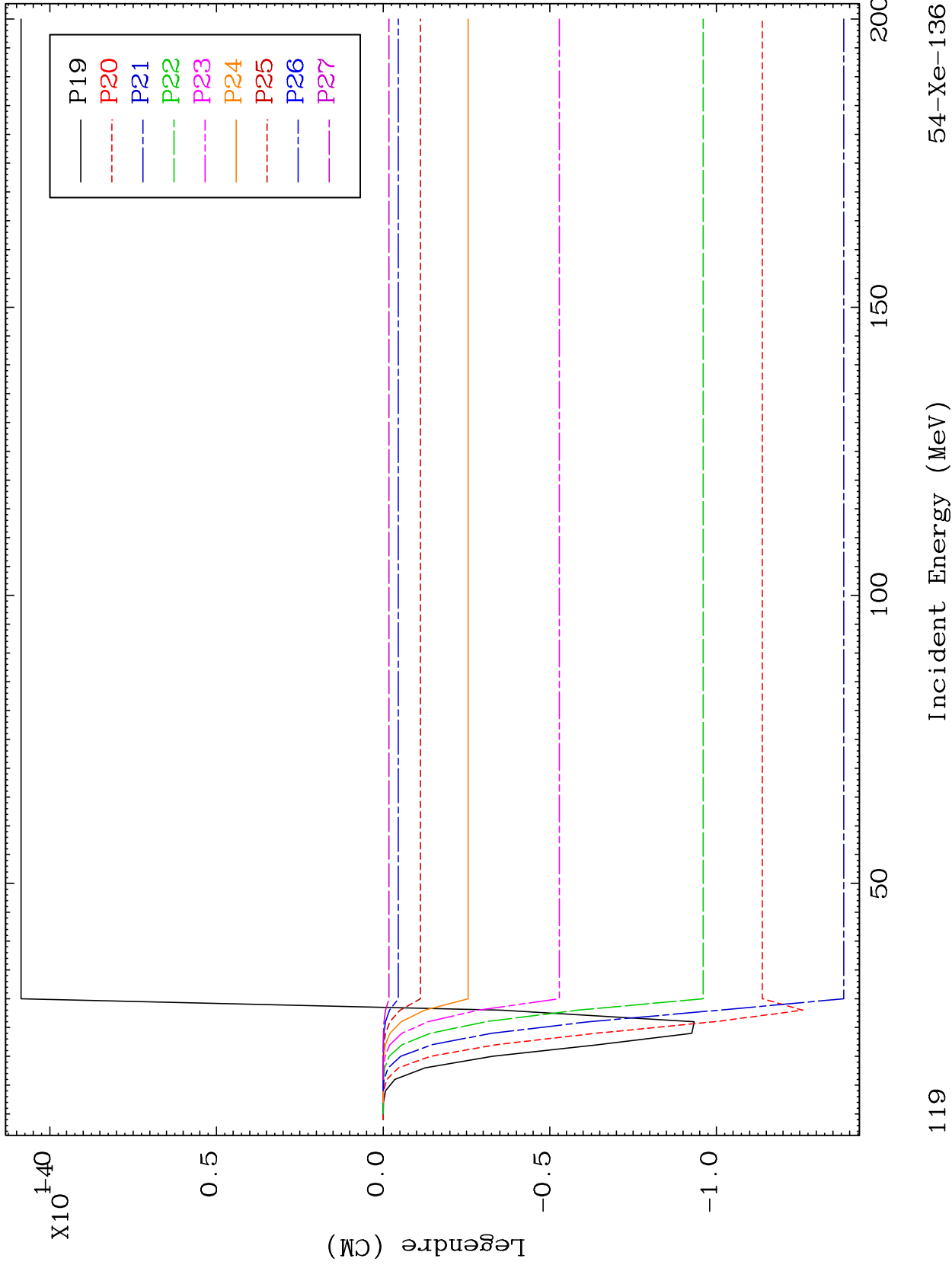
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.830 MeV (n,n') Level  
Legendre Coefficients

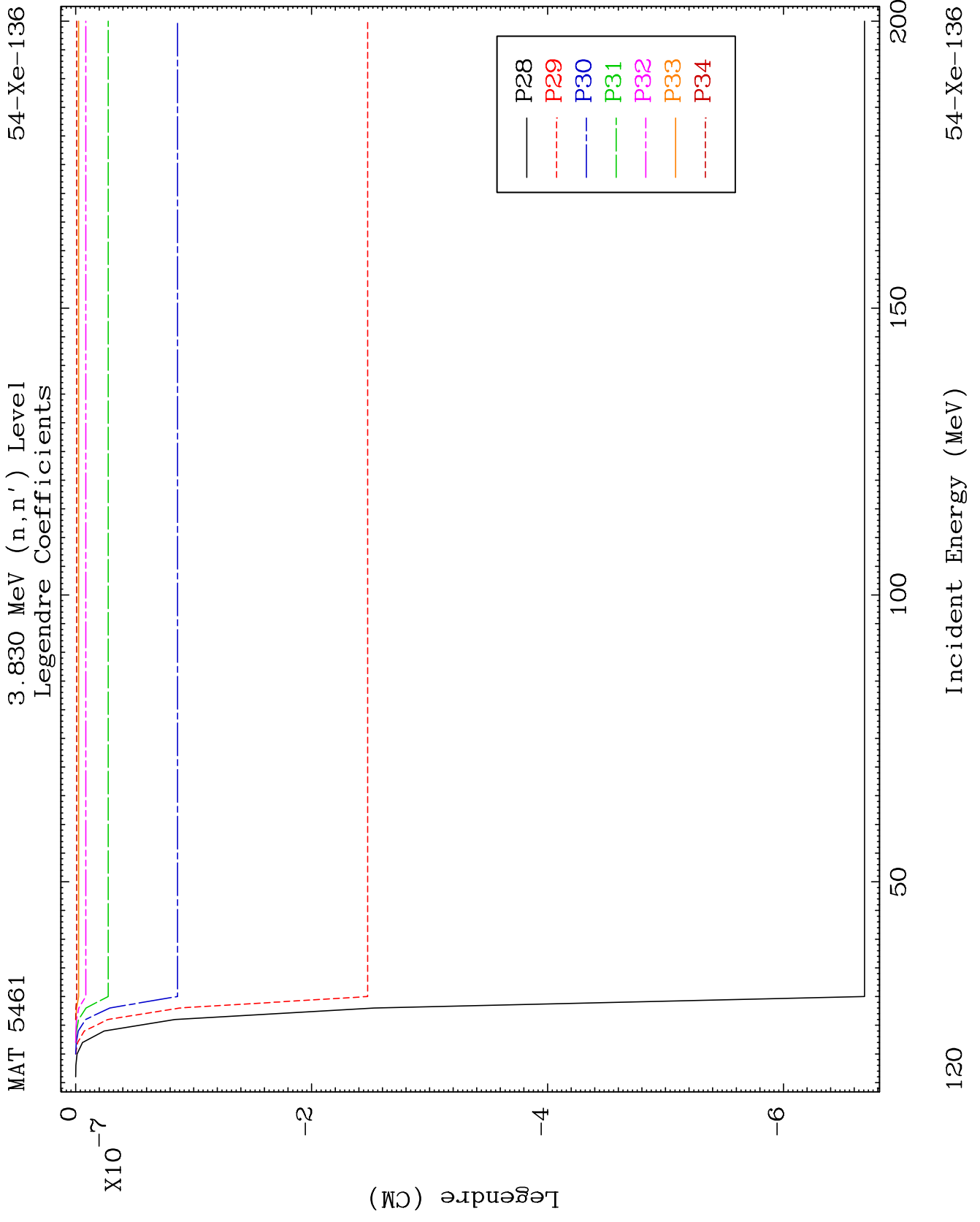
54-Xe-136



119

54-Xe-136

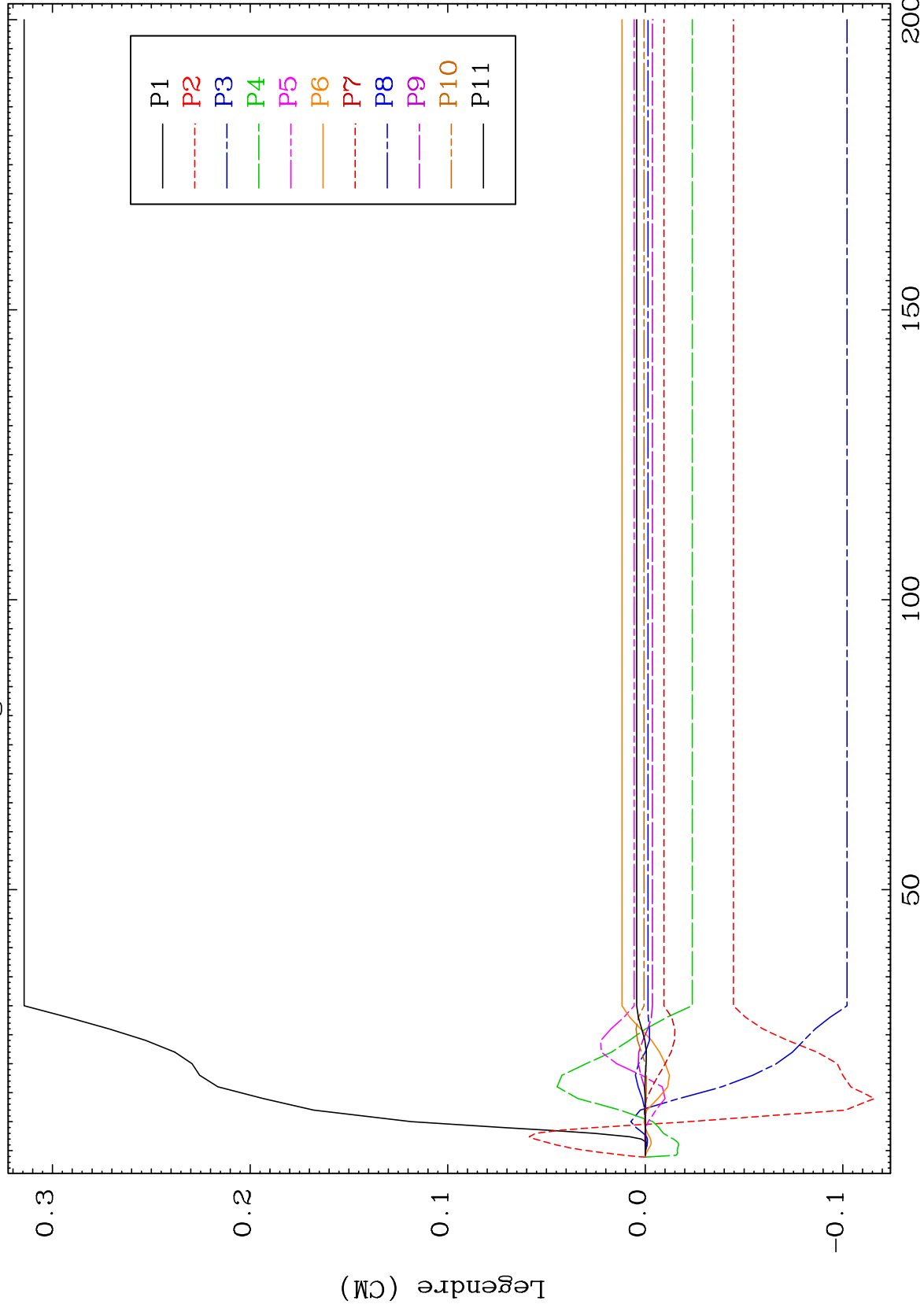




MAT 5461

3.852 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



121

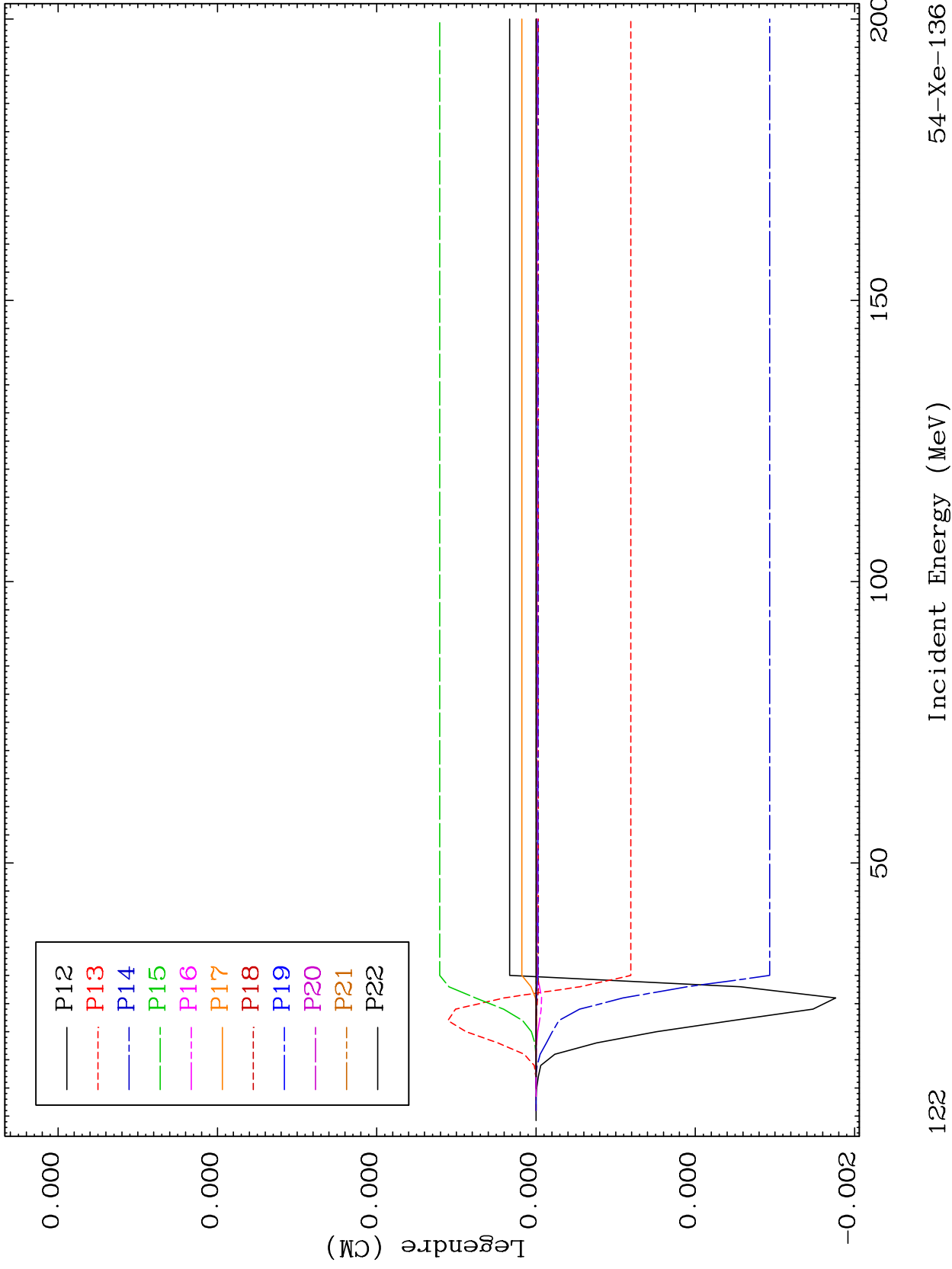
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.852 MeV (n, n') Level  
Legendre Coefficients

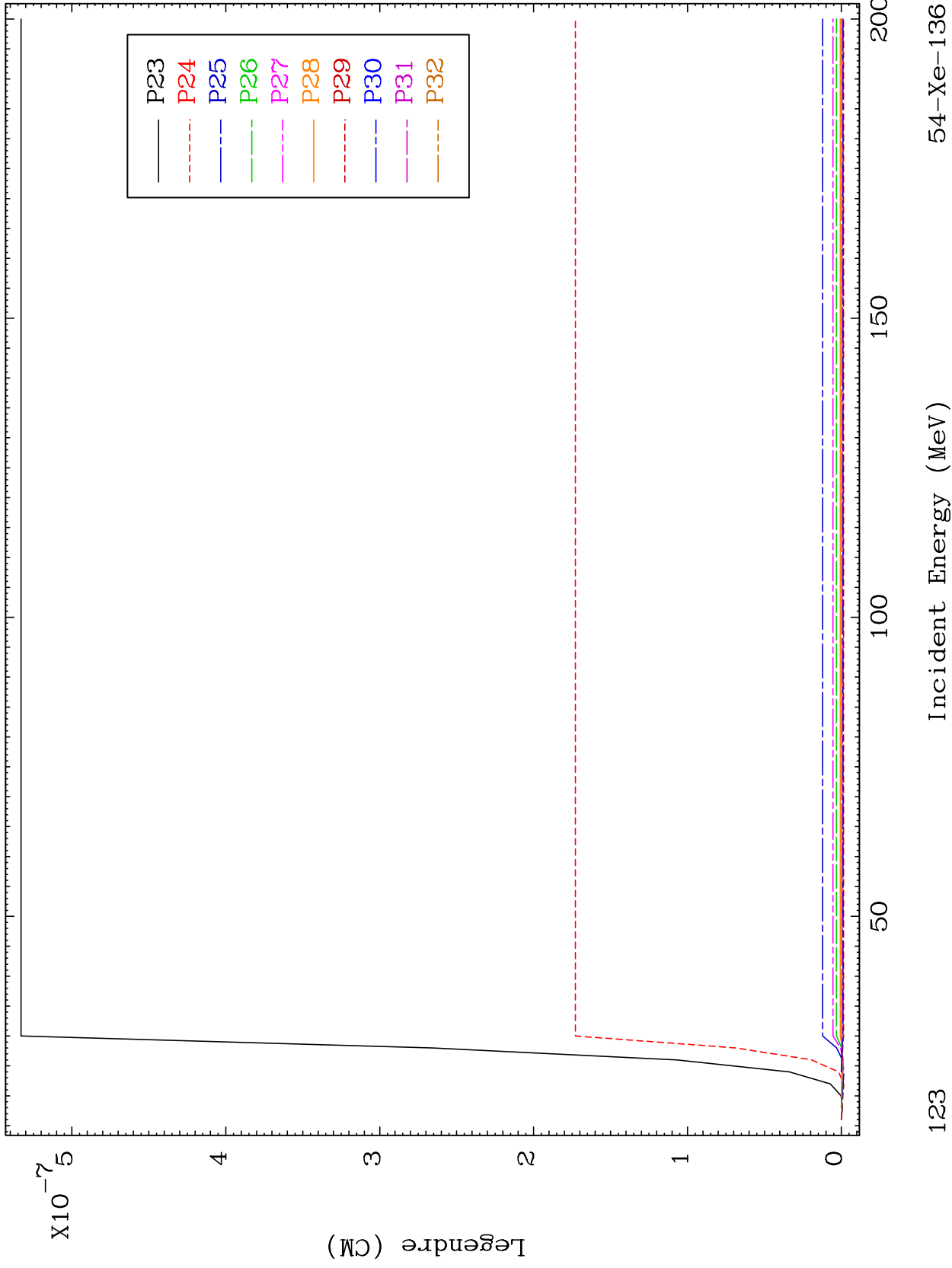
54-Xe-136



MAT 5461

3.852 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136

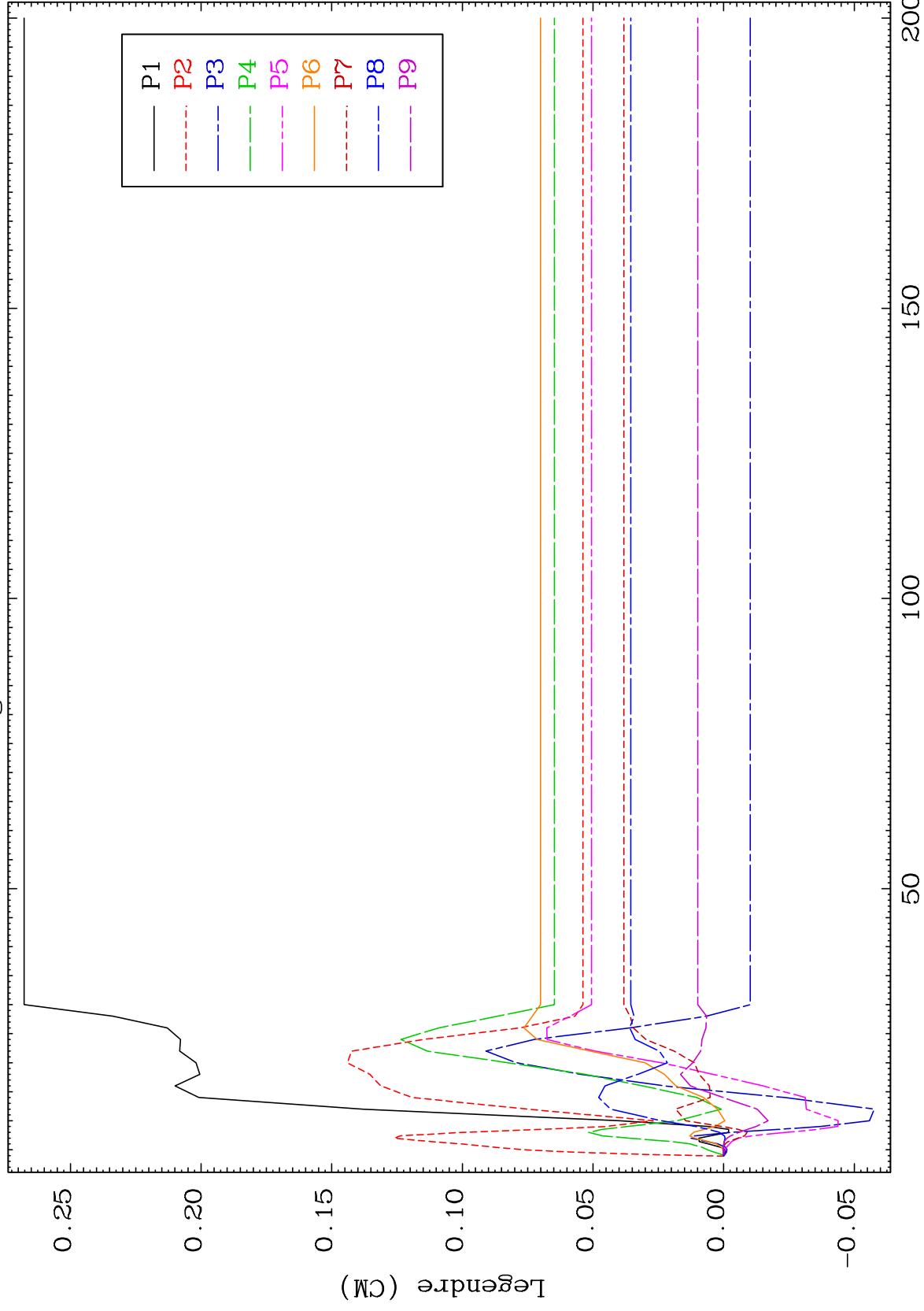


123

MAT 5461

3.873 MeV (n,n') Level  
Legendre Coefficients

54-Xe-136



124

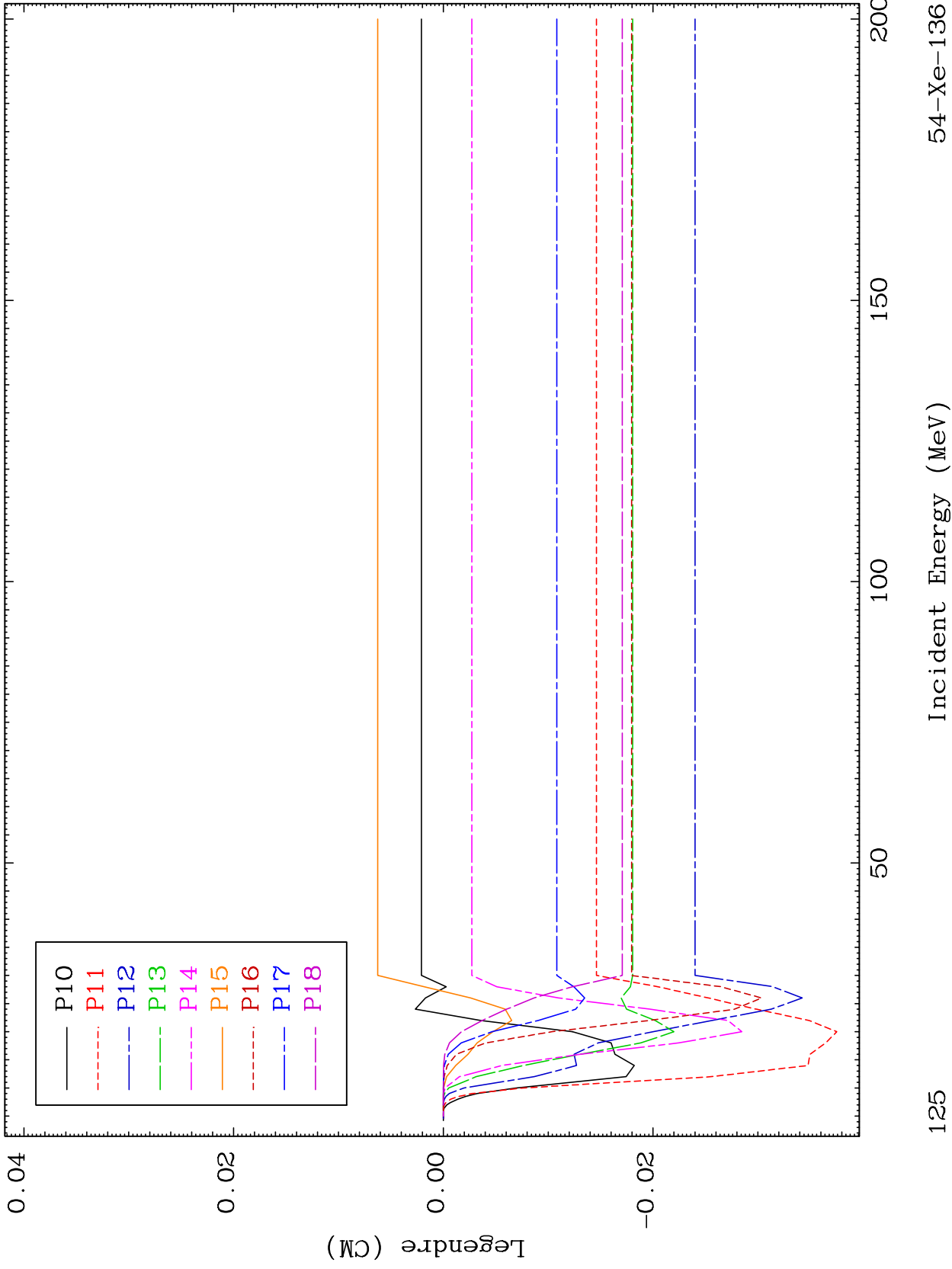
Incident Energy (MeV)

54-Xe-136

MAT 5461

3.873 MeV (n, n') Level  
Legendre Coefficients

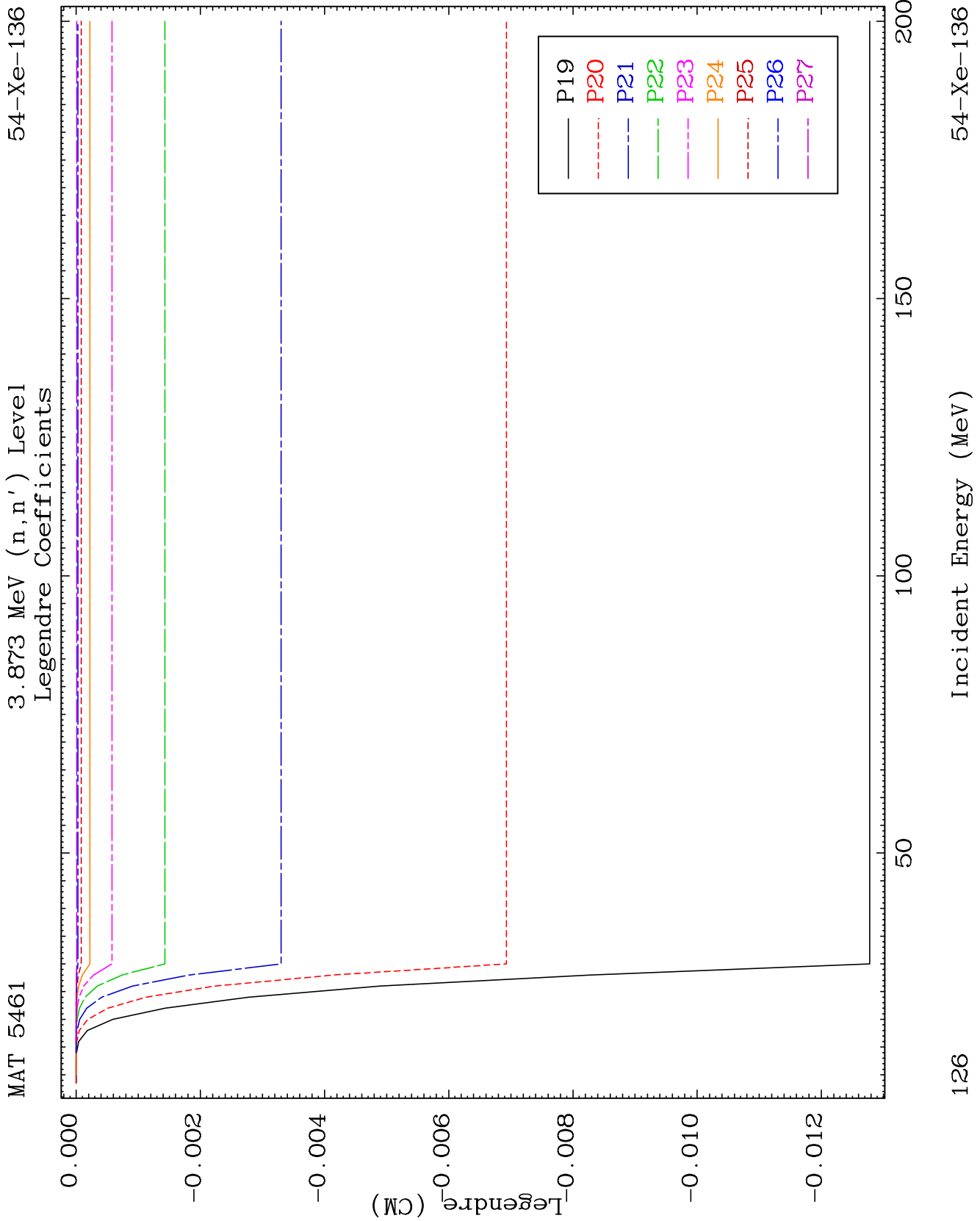
54-Xe-136

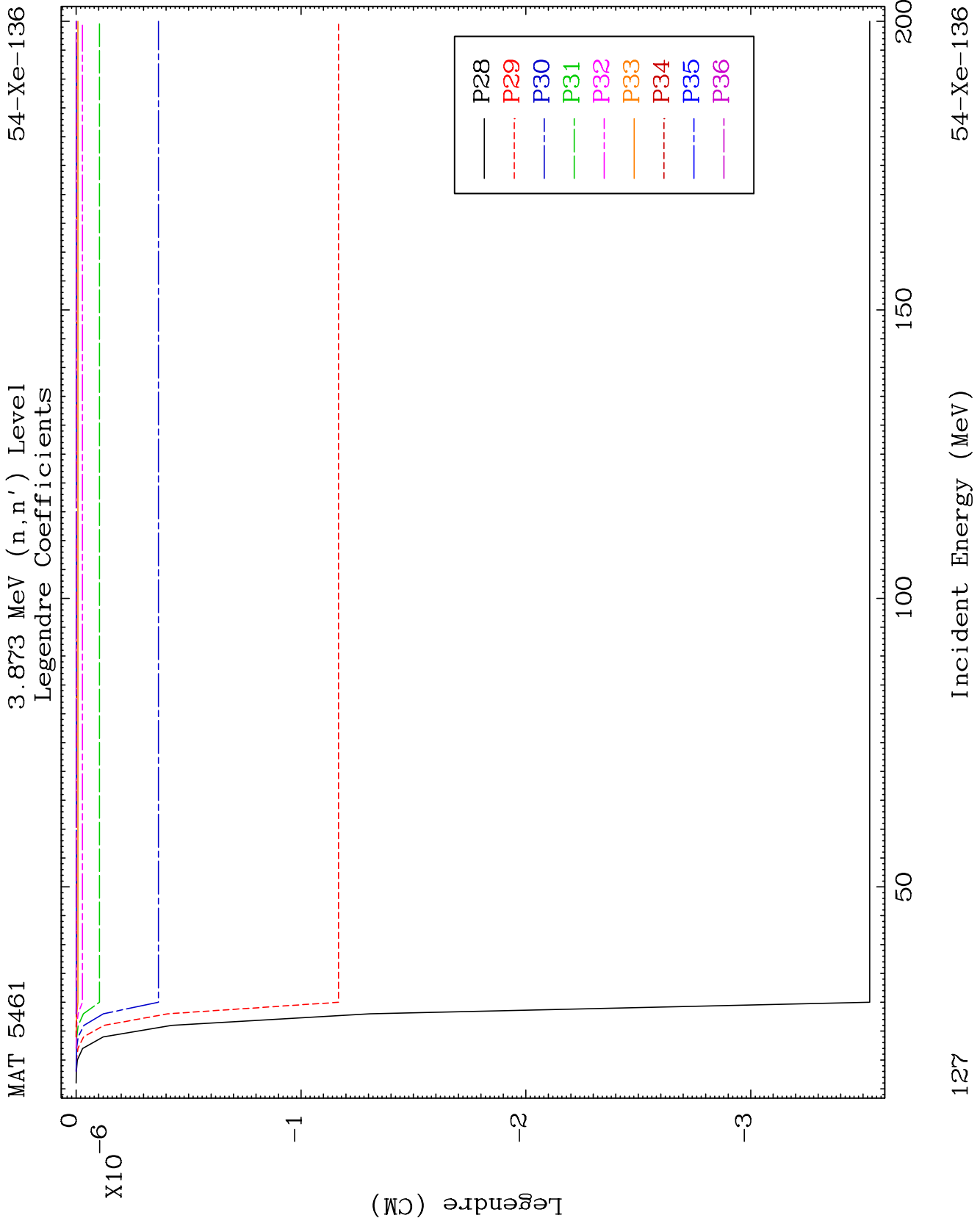


125

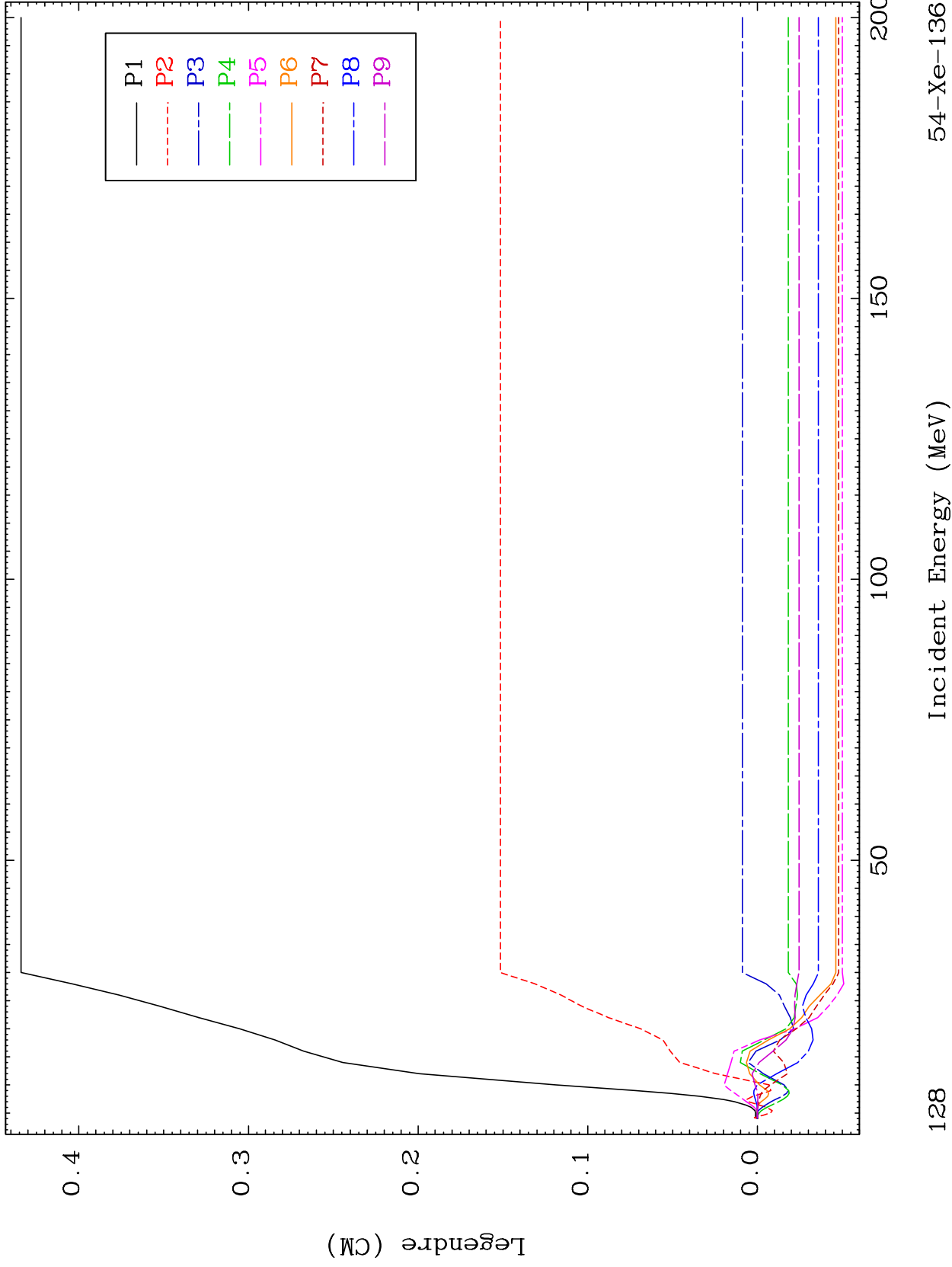
Incident Energy (MeV)

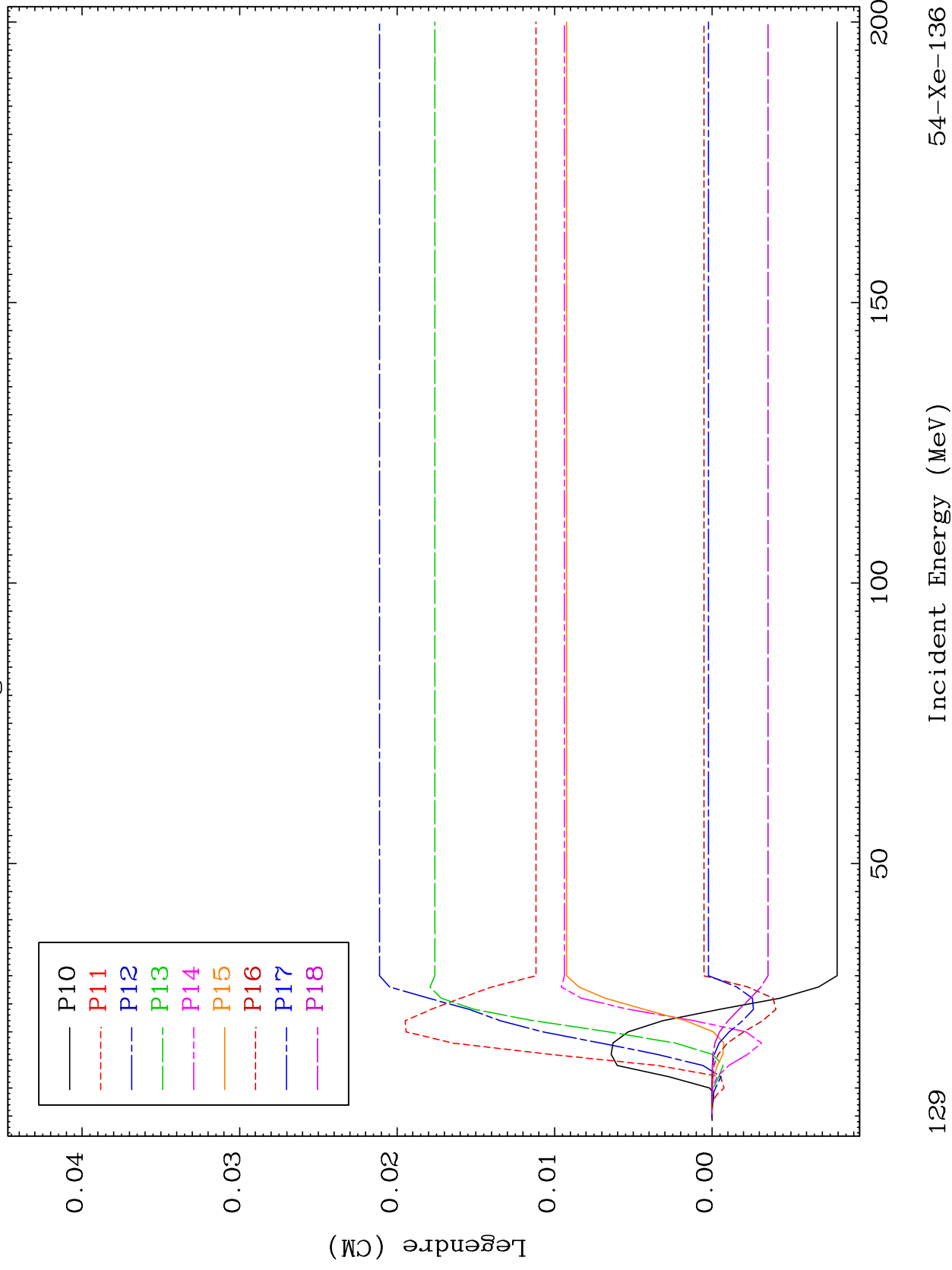
54-Xe-136







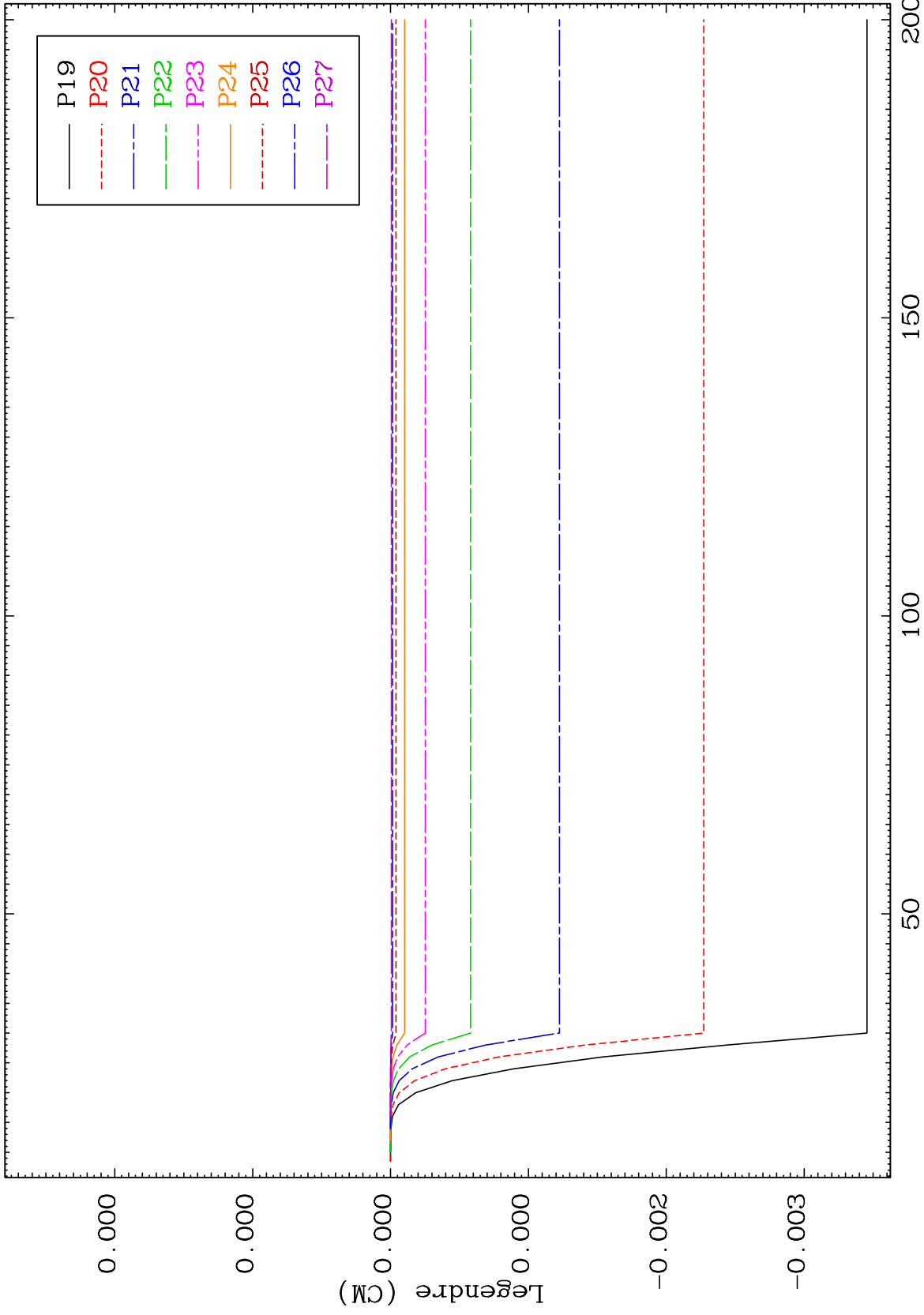




MAT 5461

3.965 MeV (n,n') Level  
Legendre Coefficients

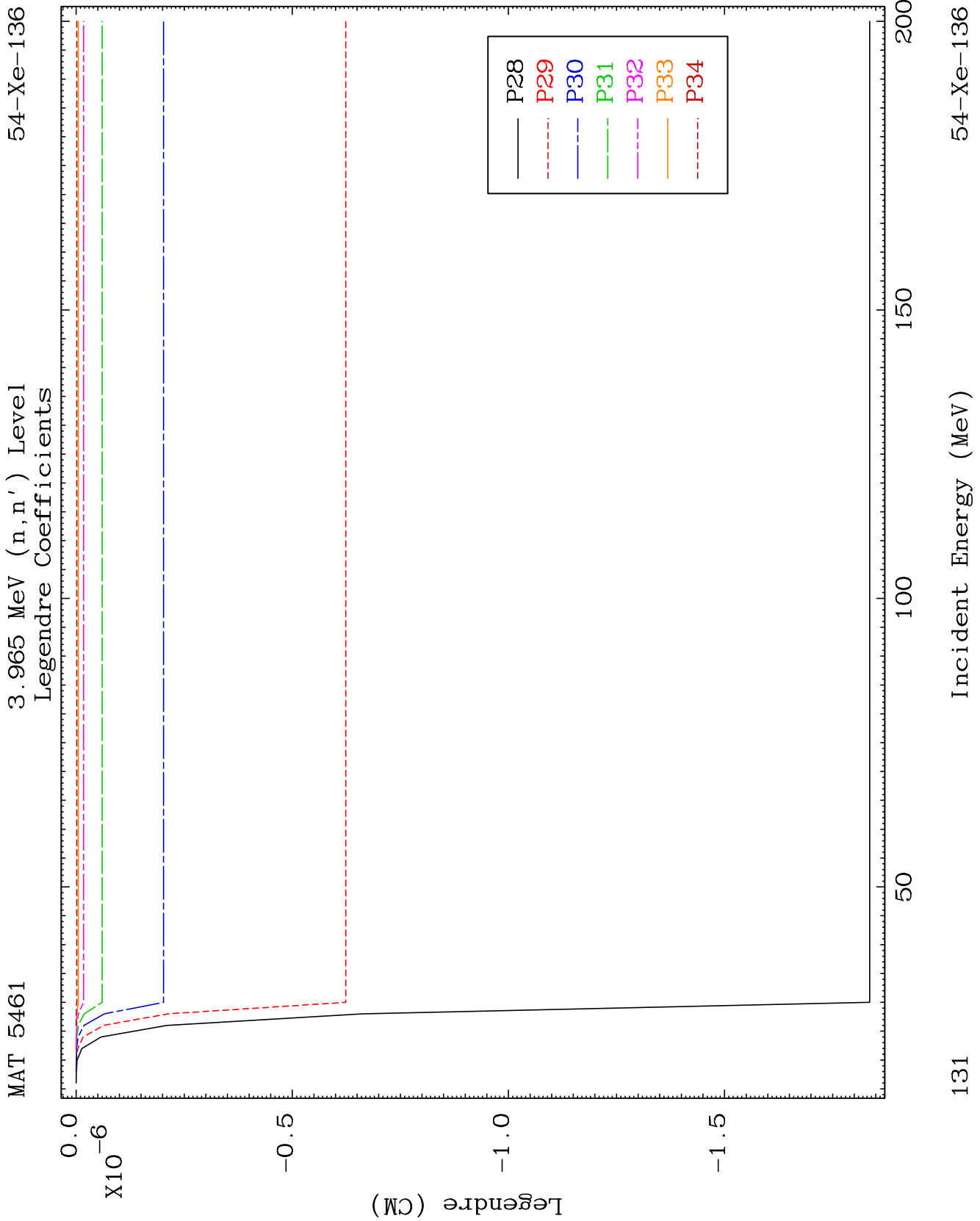
54-Xe-136



130

Incident Energy (MeV)

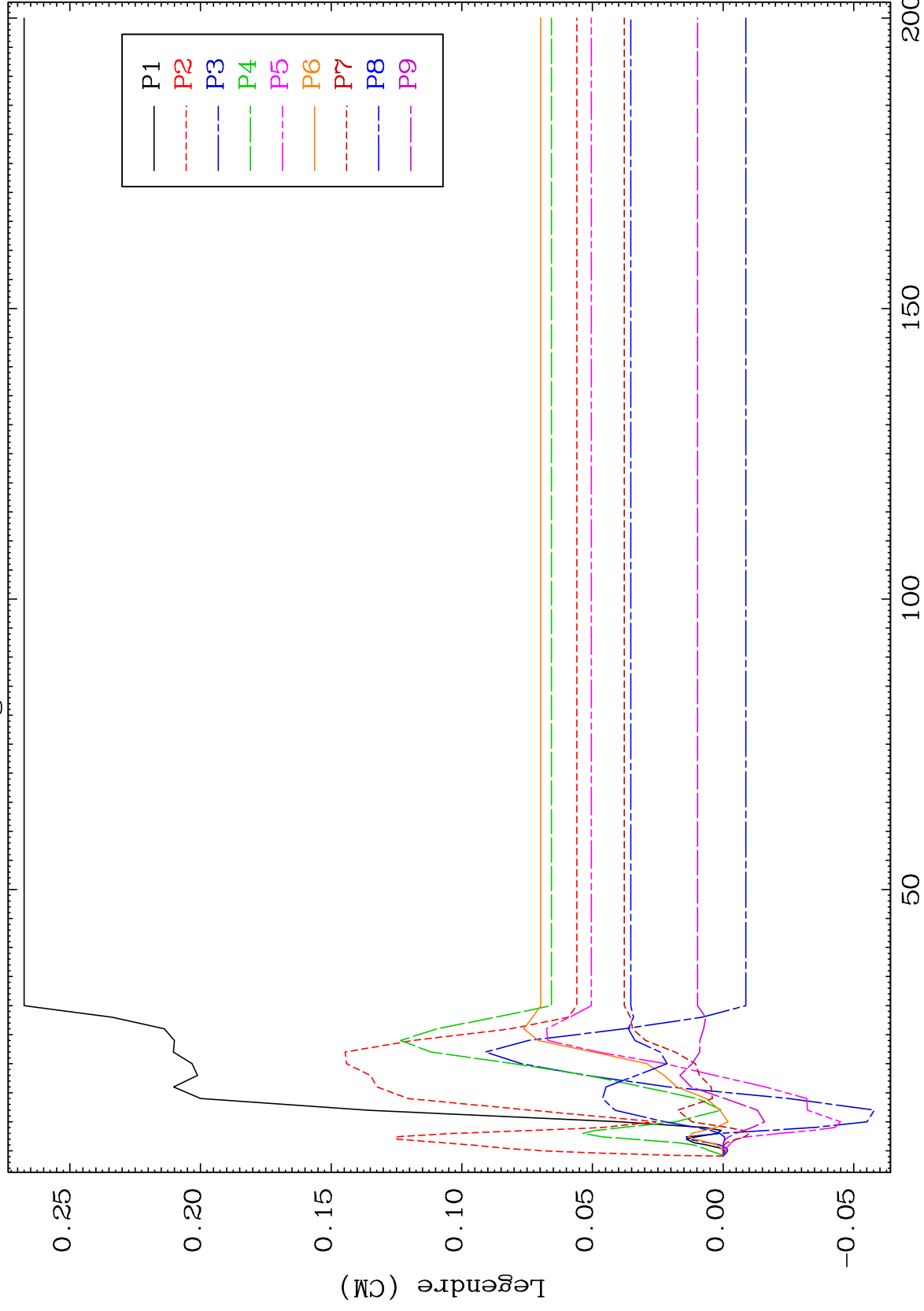
54-Xe-136



MAT 5461

4.058 MeV (n, n') Level  
Legendre Coefficients

54-Xe-136



132

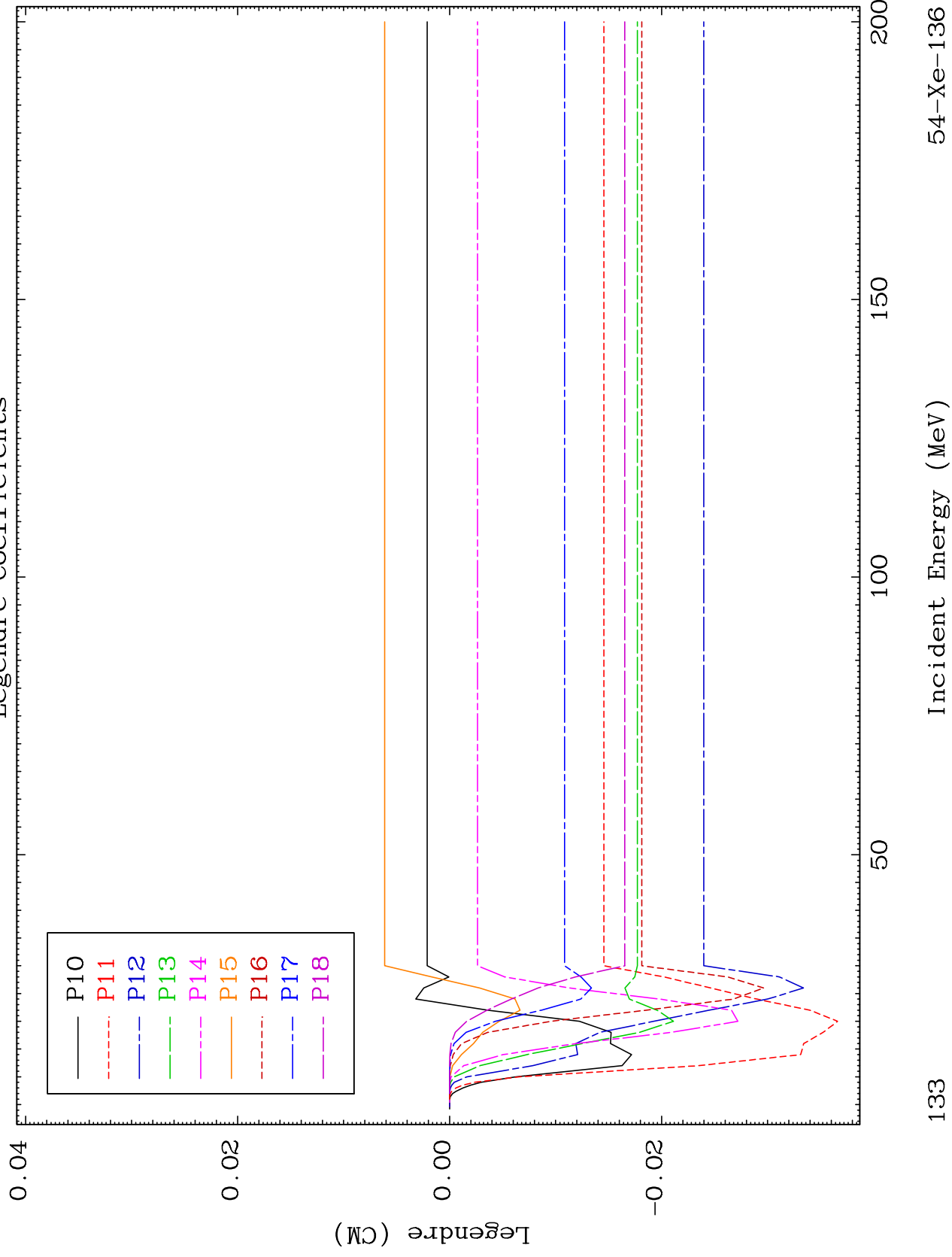
Incident Energy (MeV)

54-Xe-136

MAT 5461

4.058 MeV (n,n') Level  
Legendre Coefficients

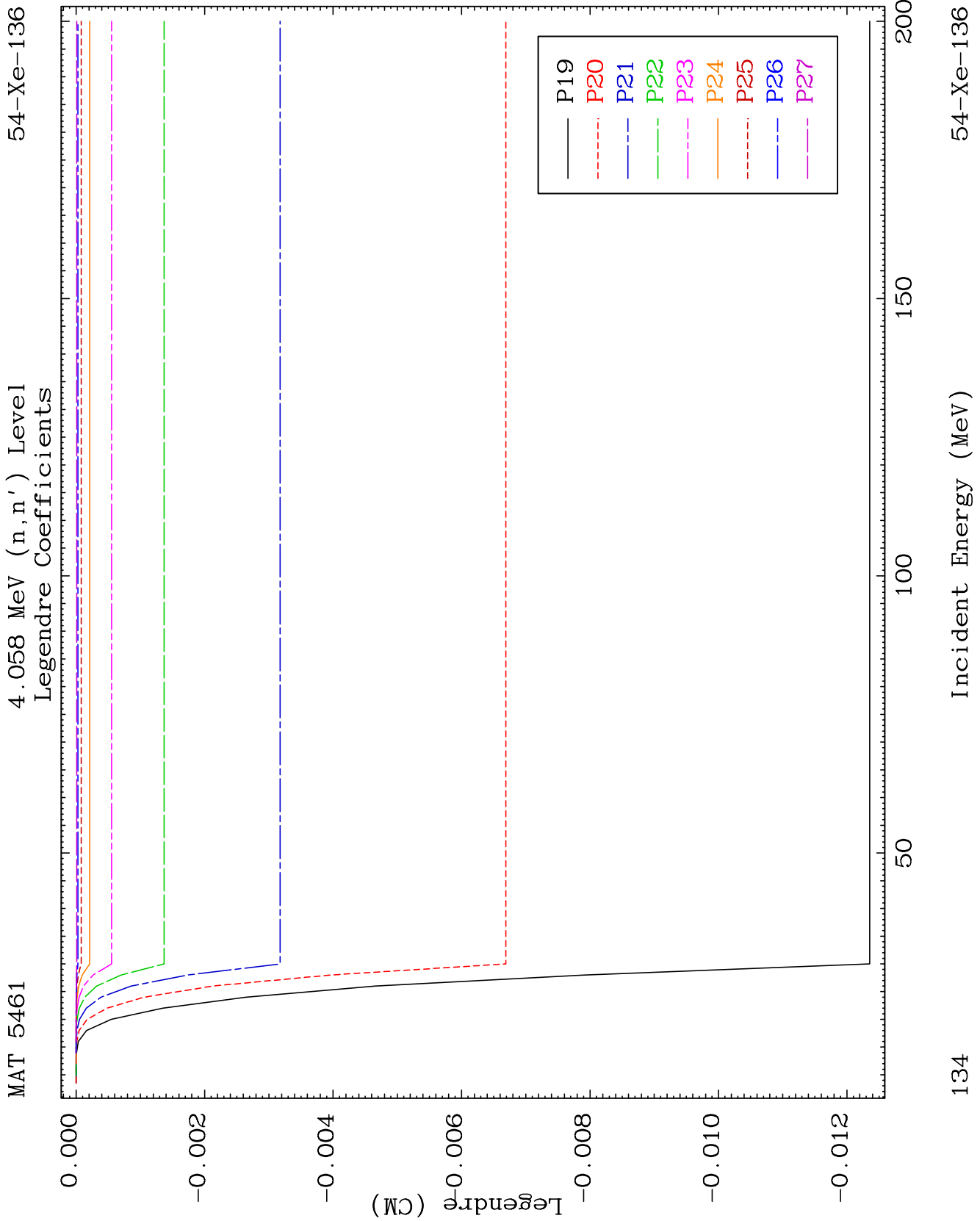
54-Xe-136

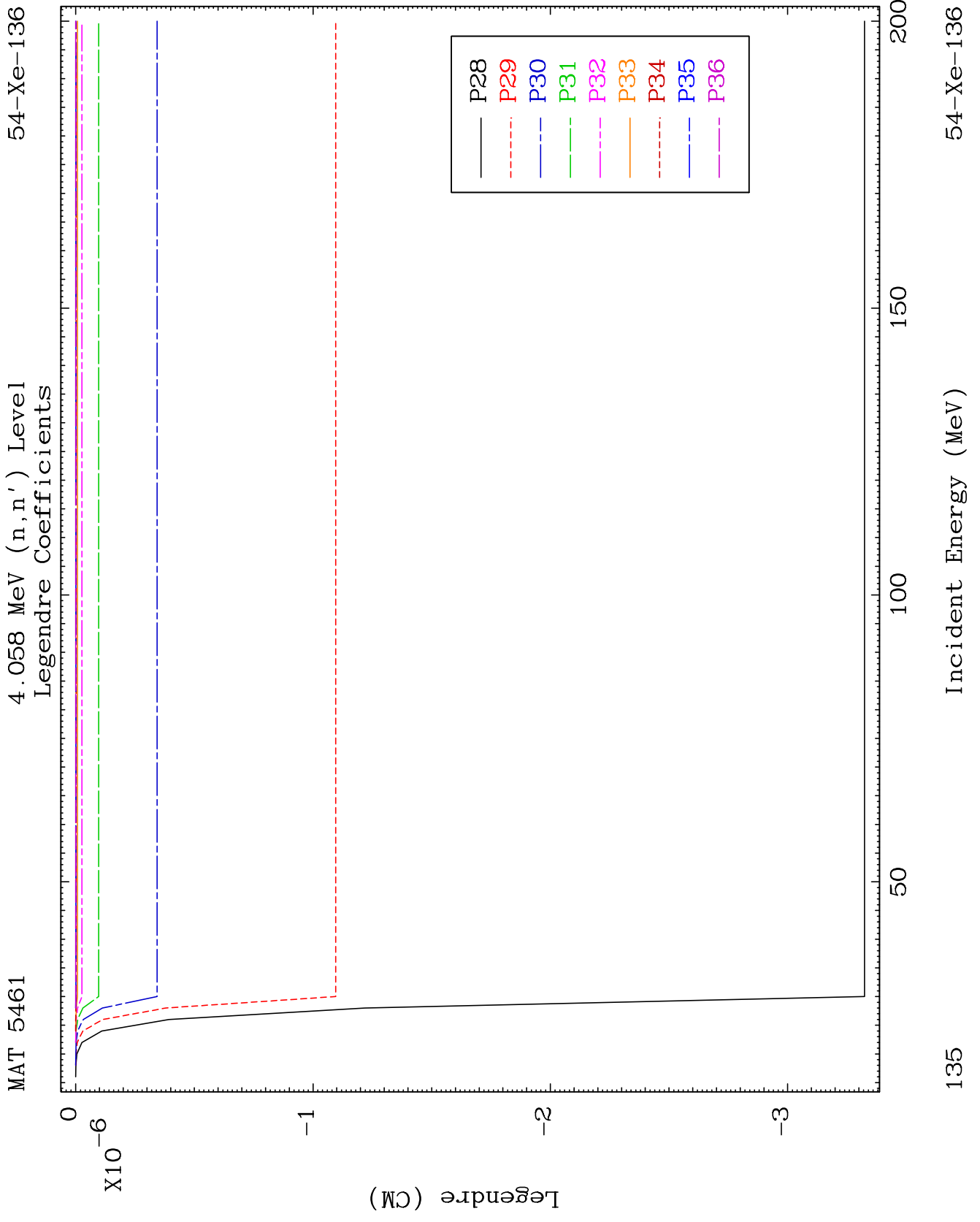


133

Incident Energy (MeV)

54-Xe-136



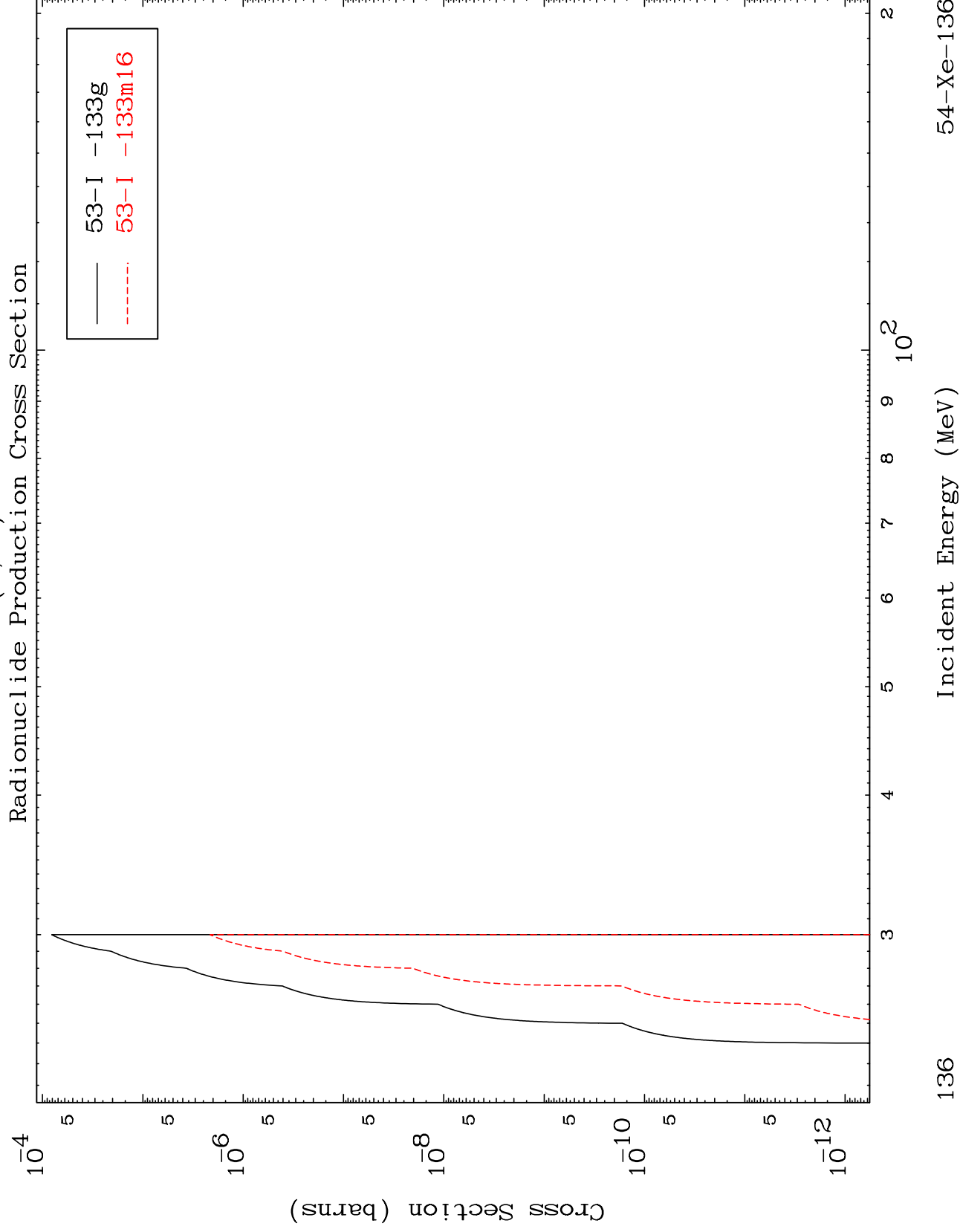




MAT 5461

(n,2n) d

54-Xe-136



136

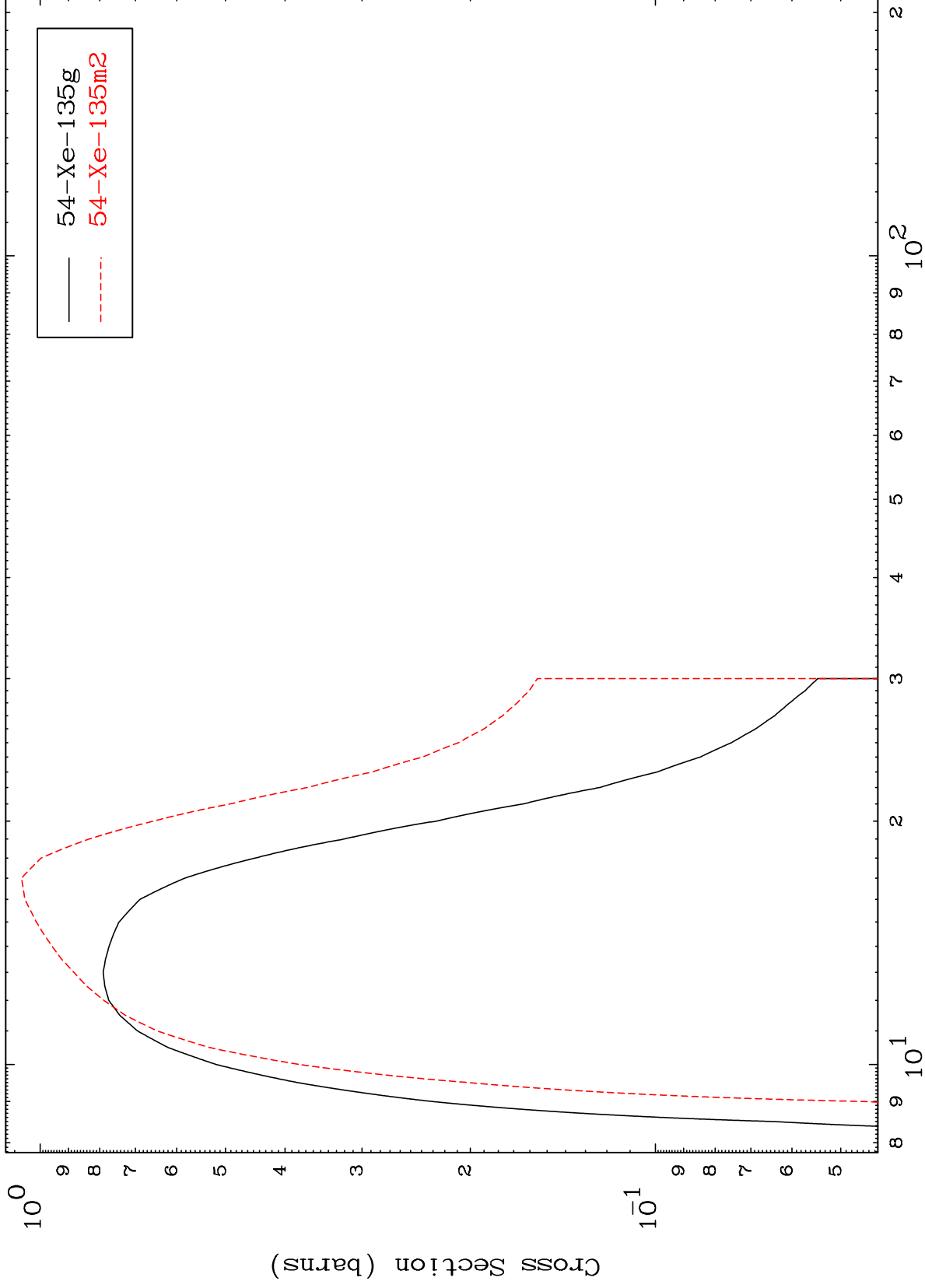
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n,2n)  
Radionuclide Production Cross Section

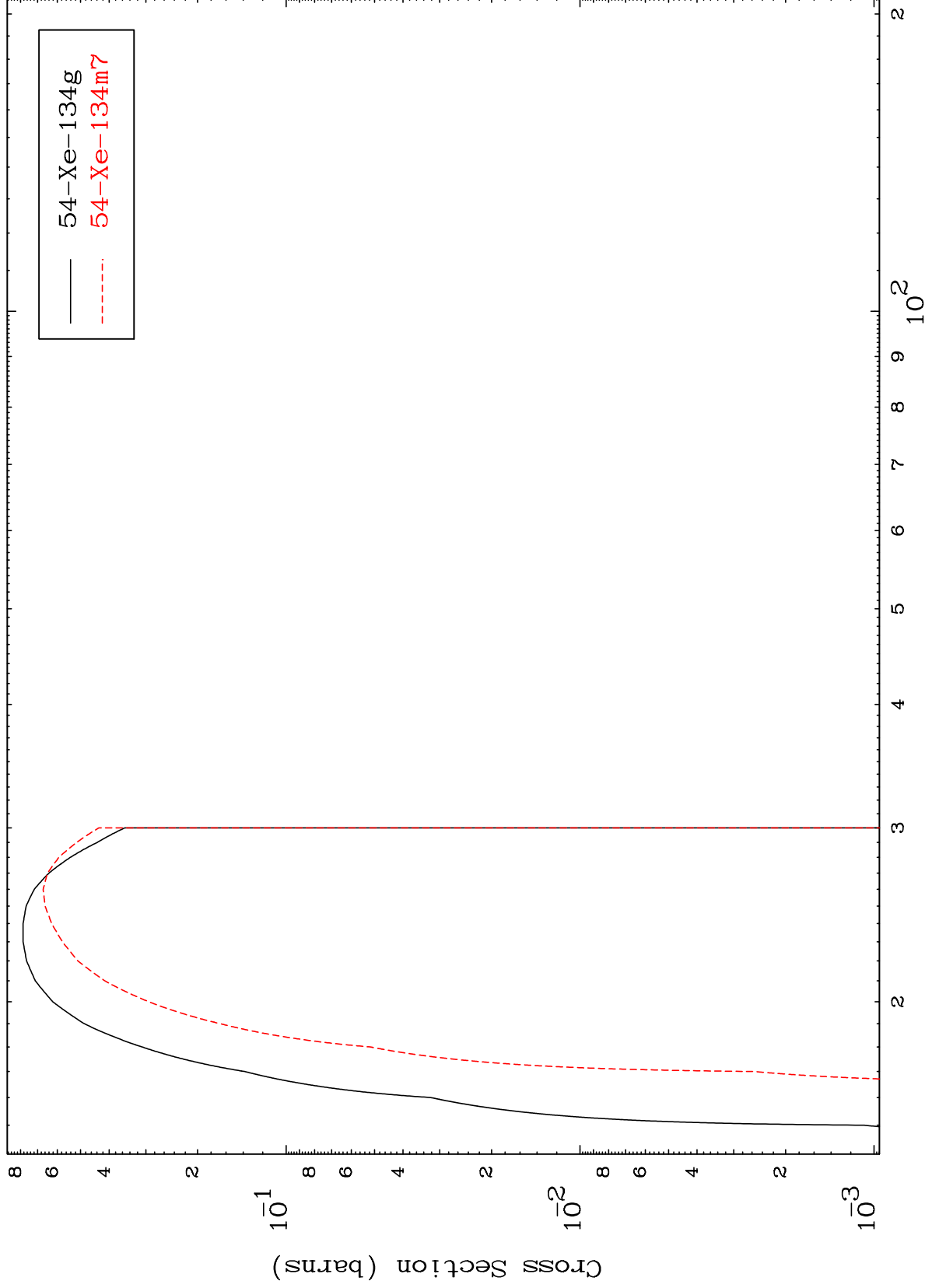


137

Incident Energy (MeV)

54-Xe-136

Radionuclide Production Cross Section

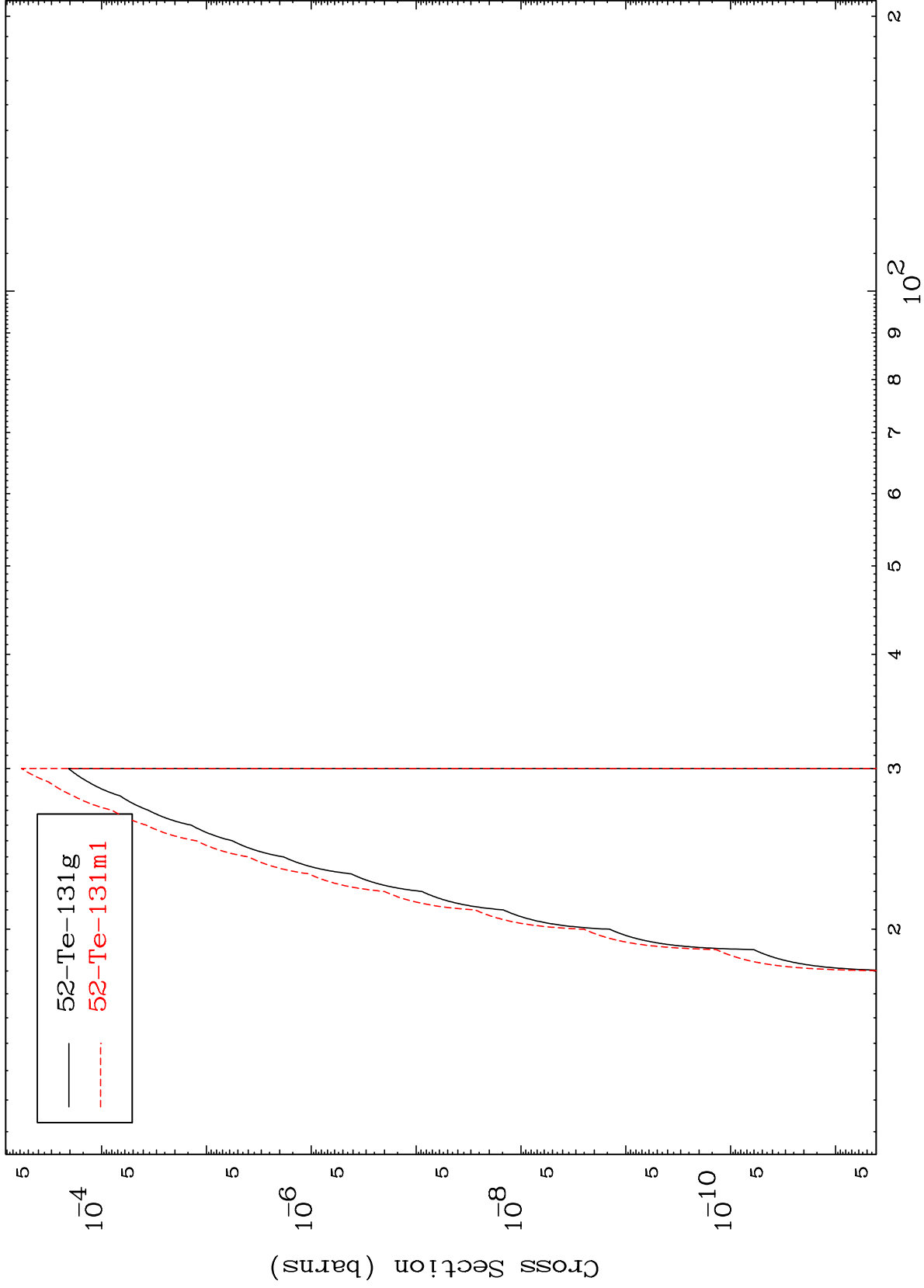


MAT 5461

(n,2n)  $\alpha$

54-Xe-136

Radionuclide Production Cross Section



139

Incident Energy (MeV)

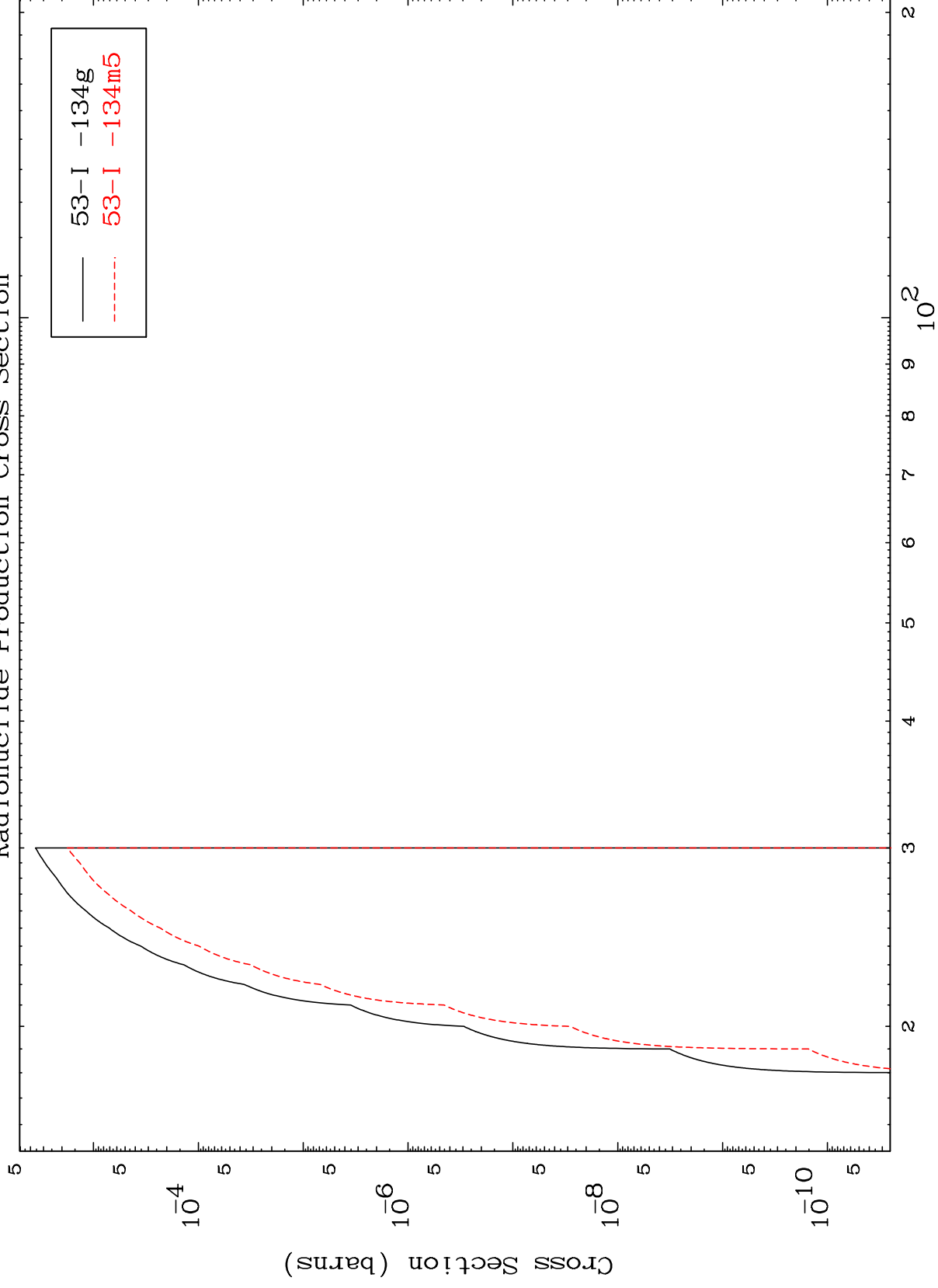
54-Xe-136

MAT 5461

(n,n') d

54-Xe-136

Radionuclide Production Cross Section



140

Incident Energy (MeV)

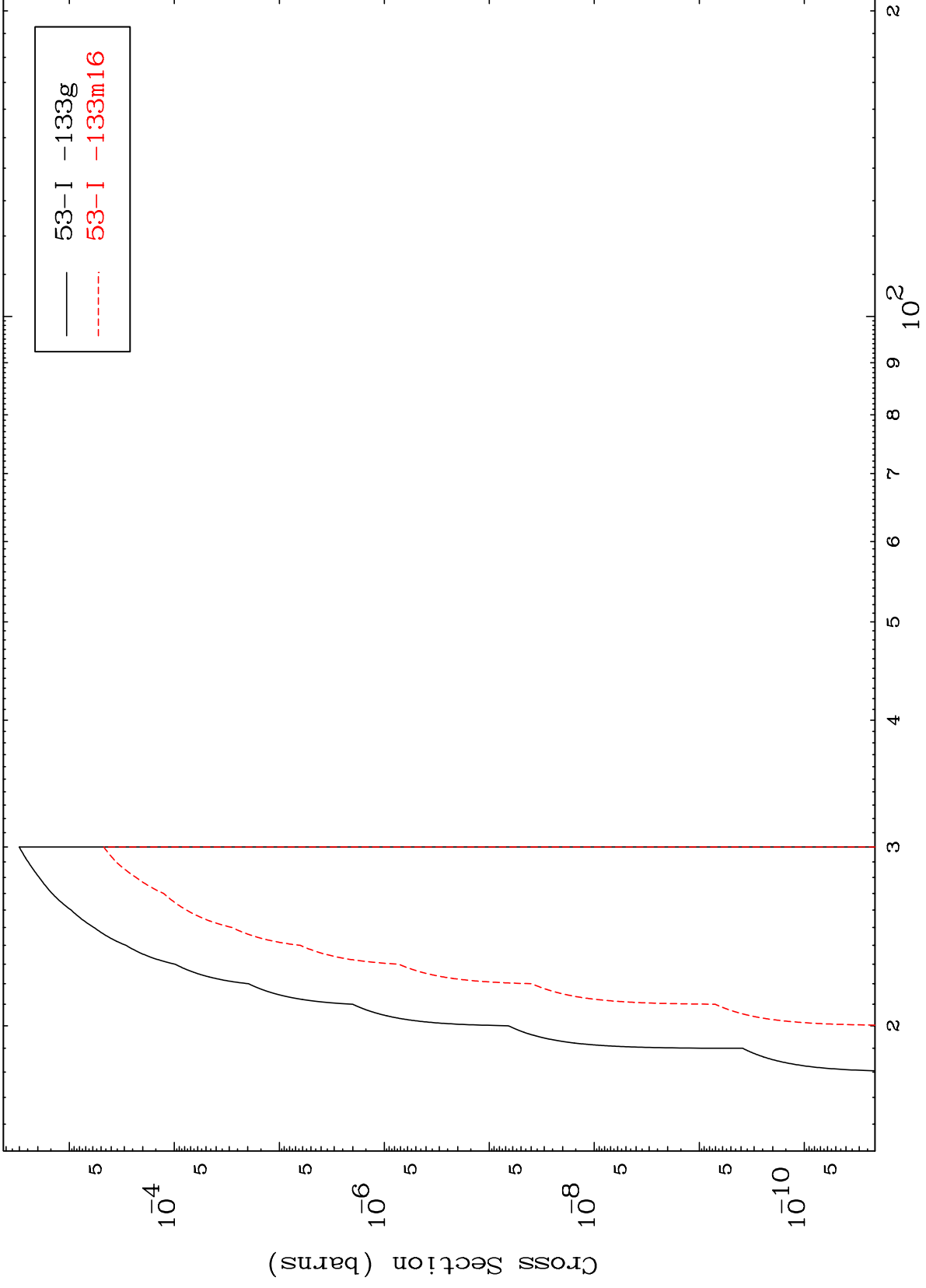
54-Xe-136

MAT 5461

(n,n') t

54-Xe-136

Radionuclide Production Cross Section



141

Incident Energy (MeV)

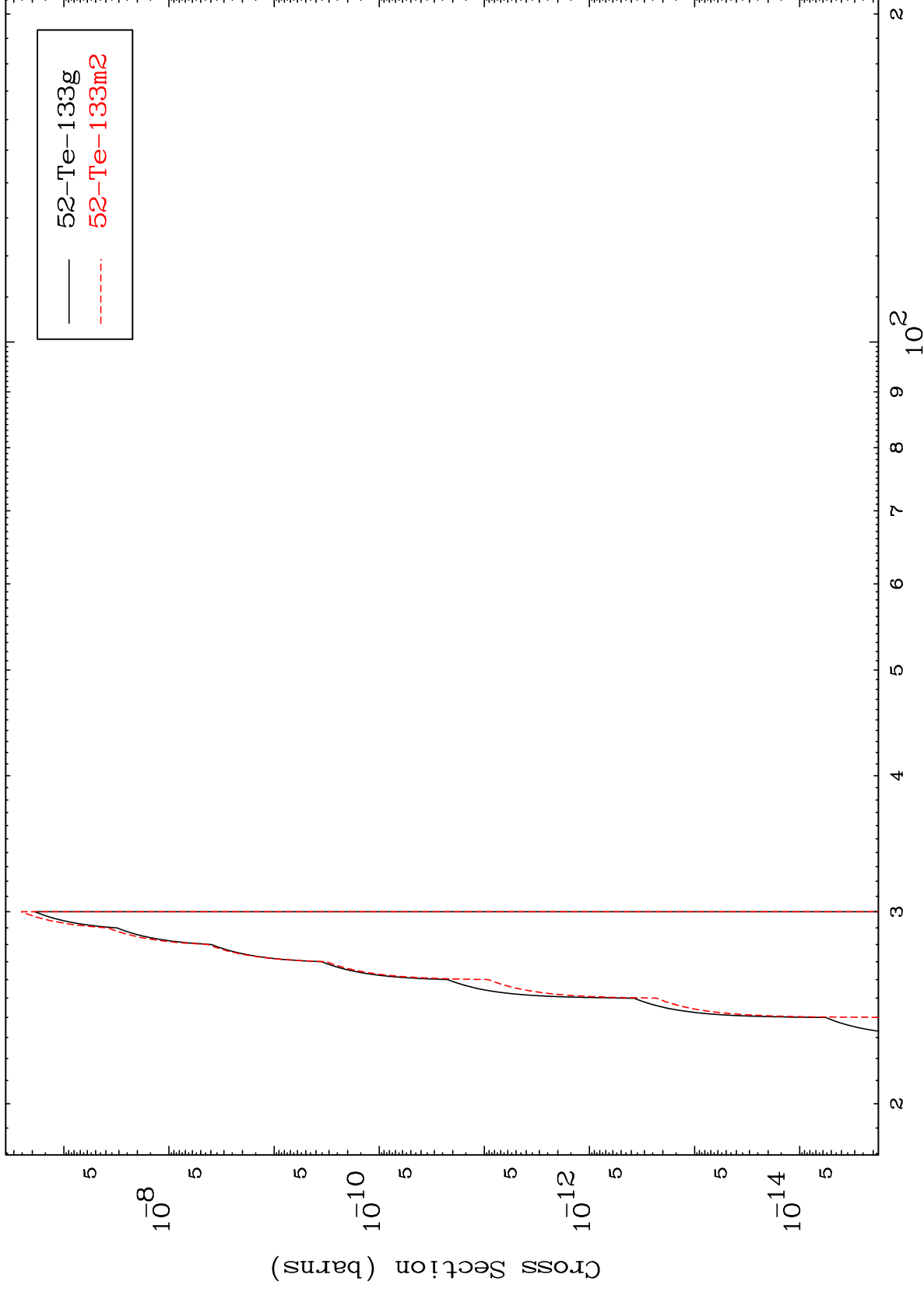
54-Xe-136

MAT 5461

(n,n') He-3

54-Xe-136

Radionuclide Production Cross Section



142

Incident Energy (MeV)

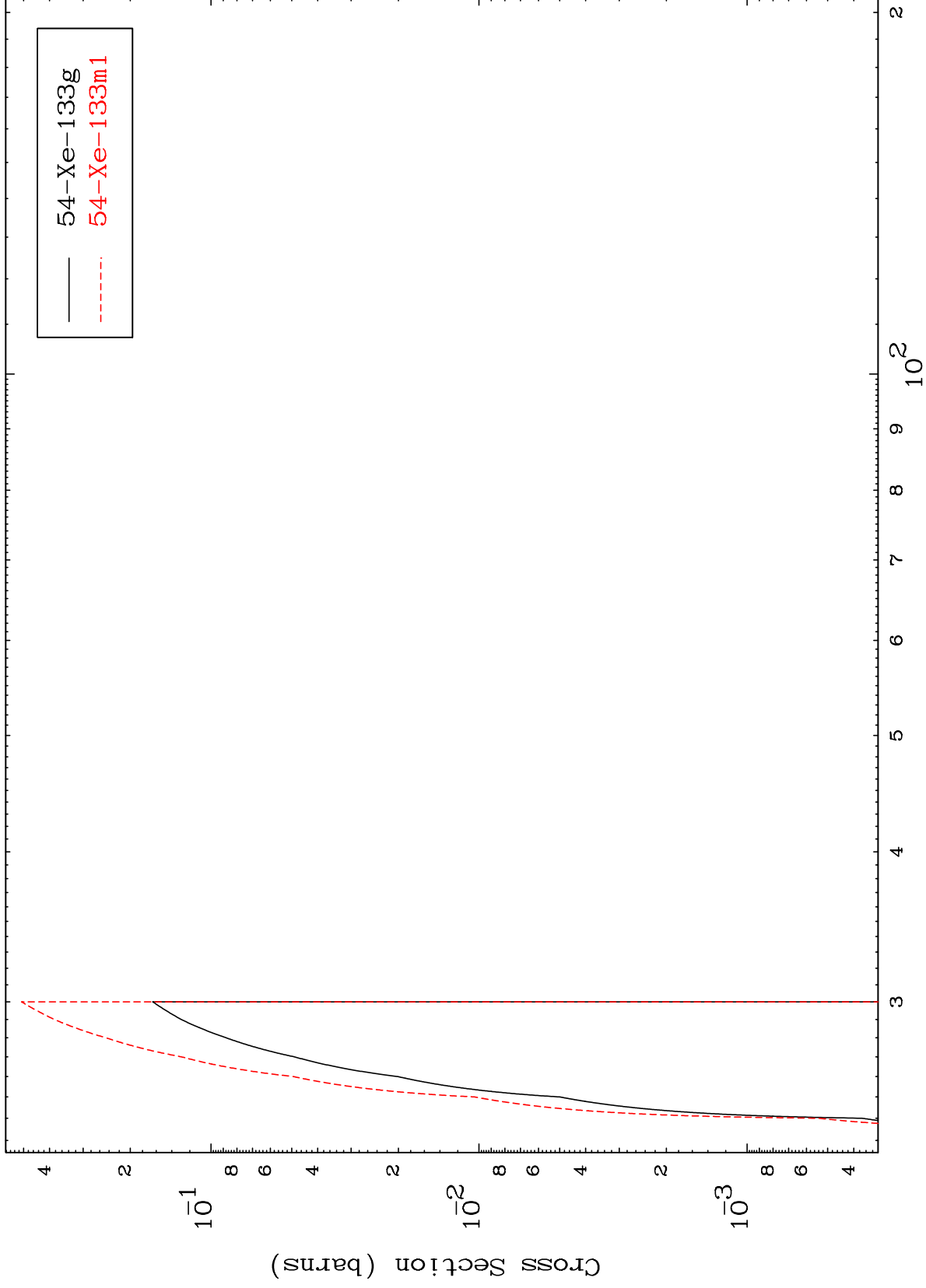
54-Xe-136

MAT 5461

(n,4n)

54-Xe-136

Radionuclide Production Cross Section



143

Incident Energy (MeV)

54-Xe-136

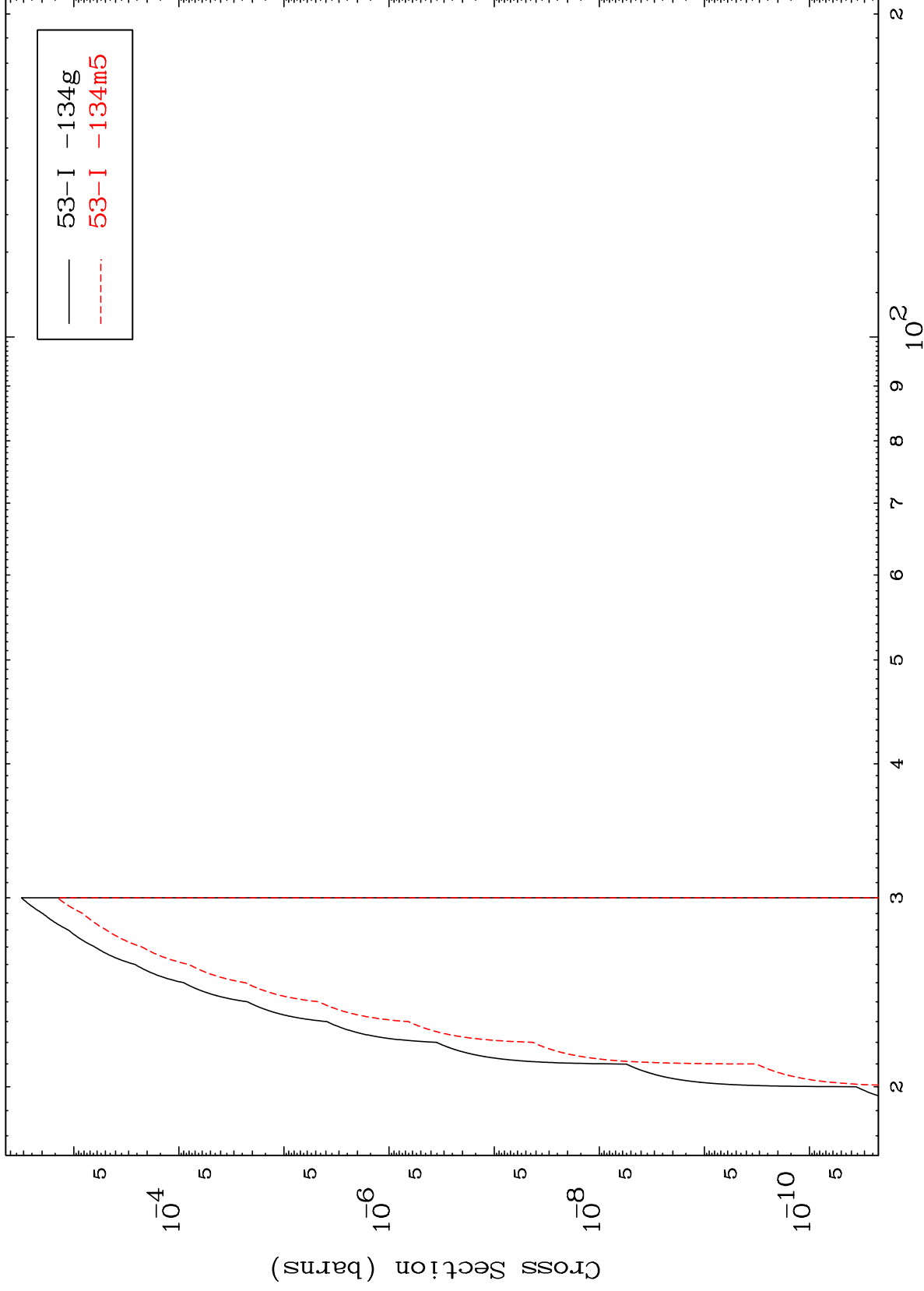


MAT 5461

(n,2n) p

54-Xe-136

Radionuclide Production Cross Section



144

Incident Energy (MeV)

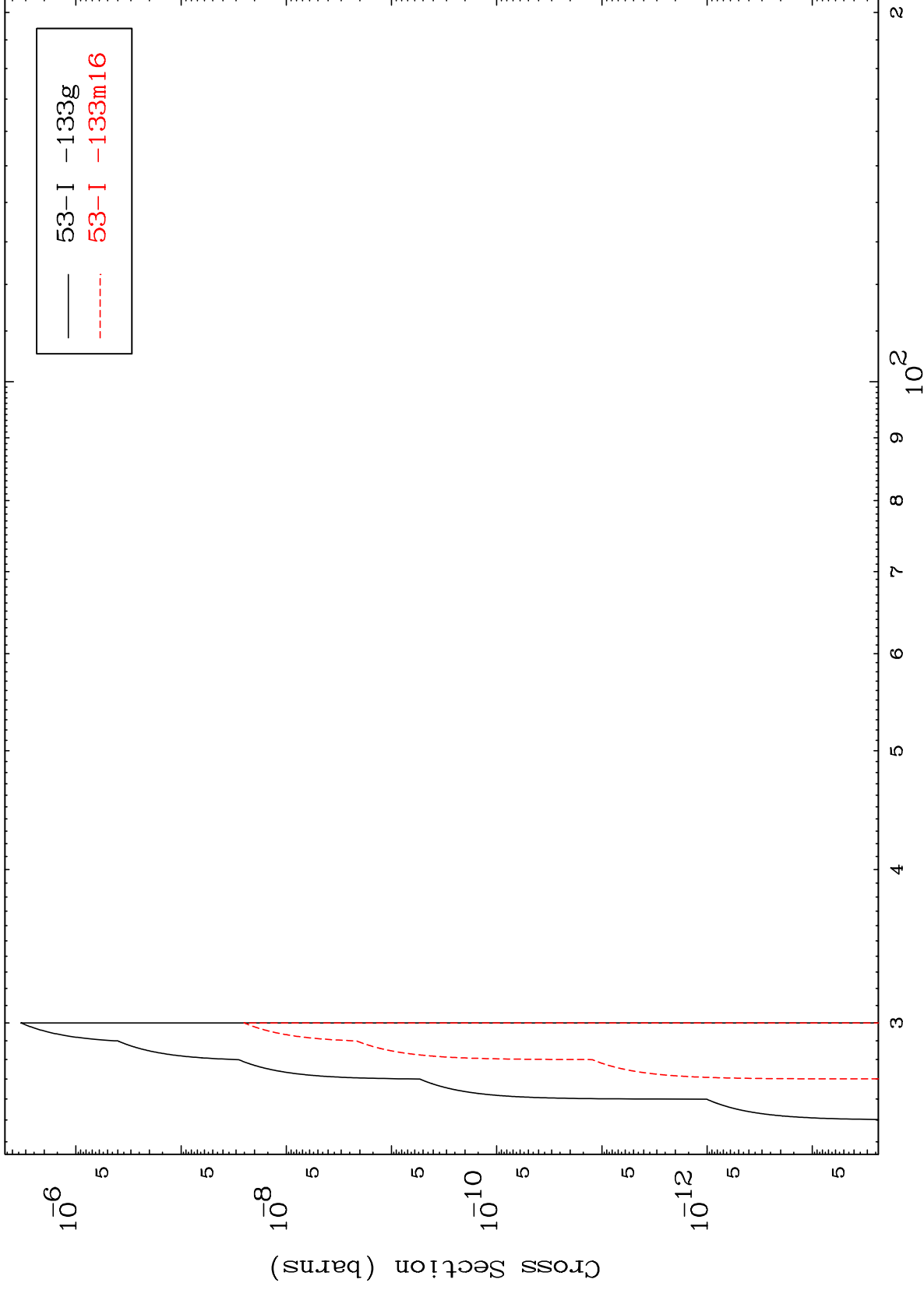
54-Xe-136

MAT 5461

(n,3n) p

54-Xe-136

Radionuclide Production Cross Section



145

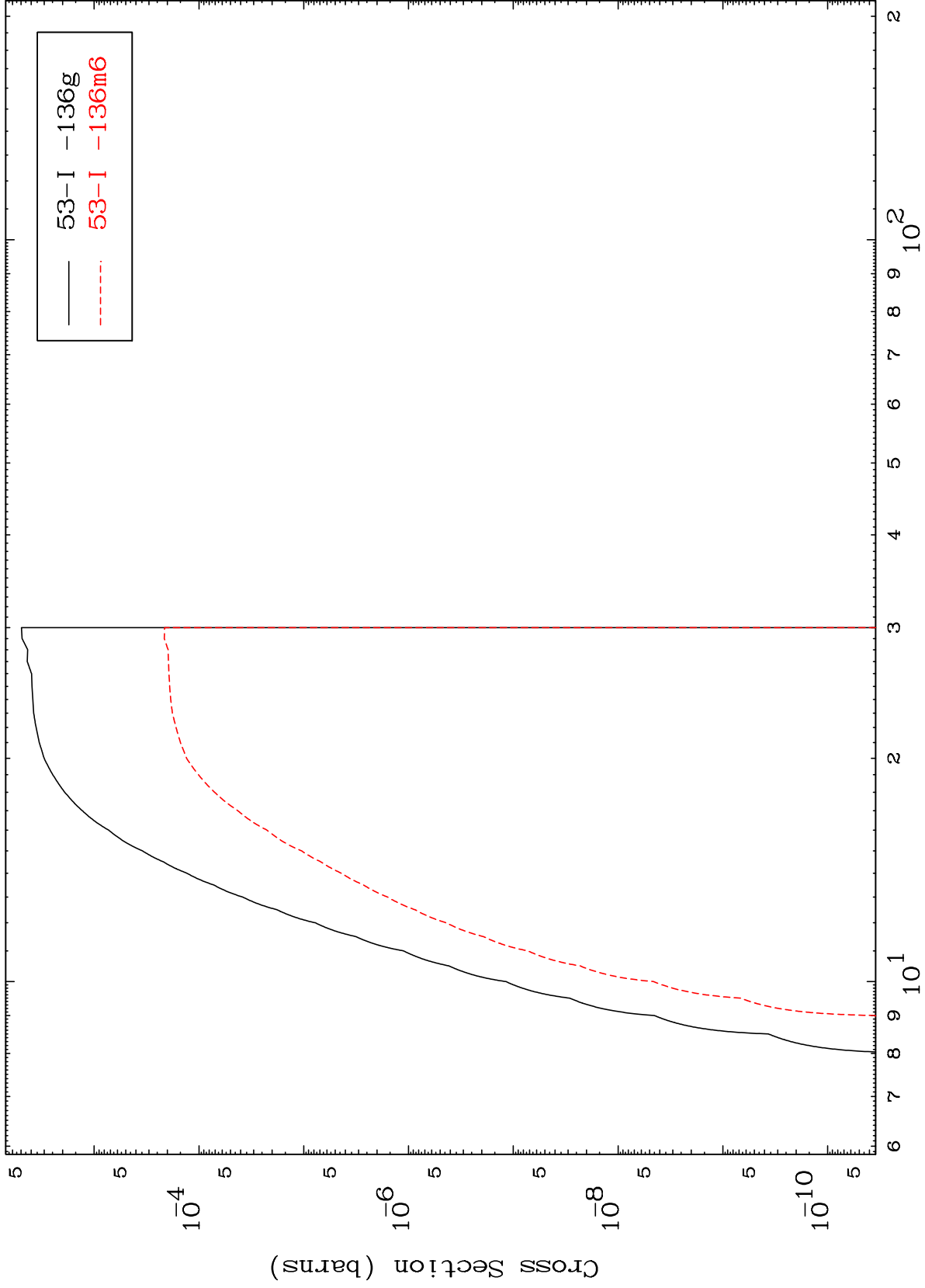
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n,p)  
Radionuclide Production Cross Section



146

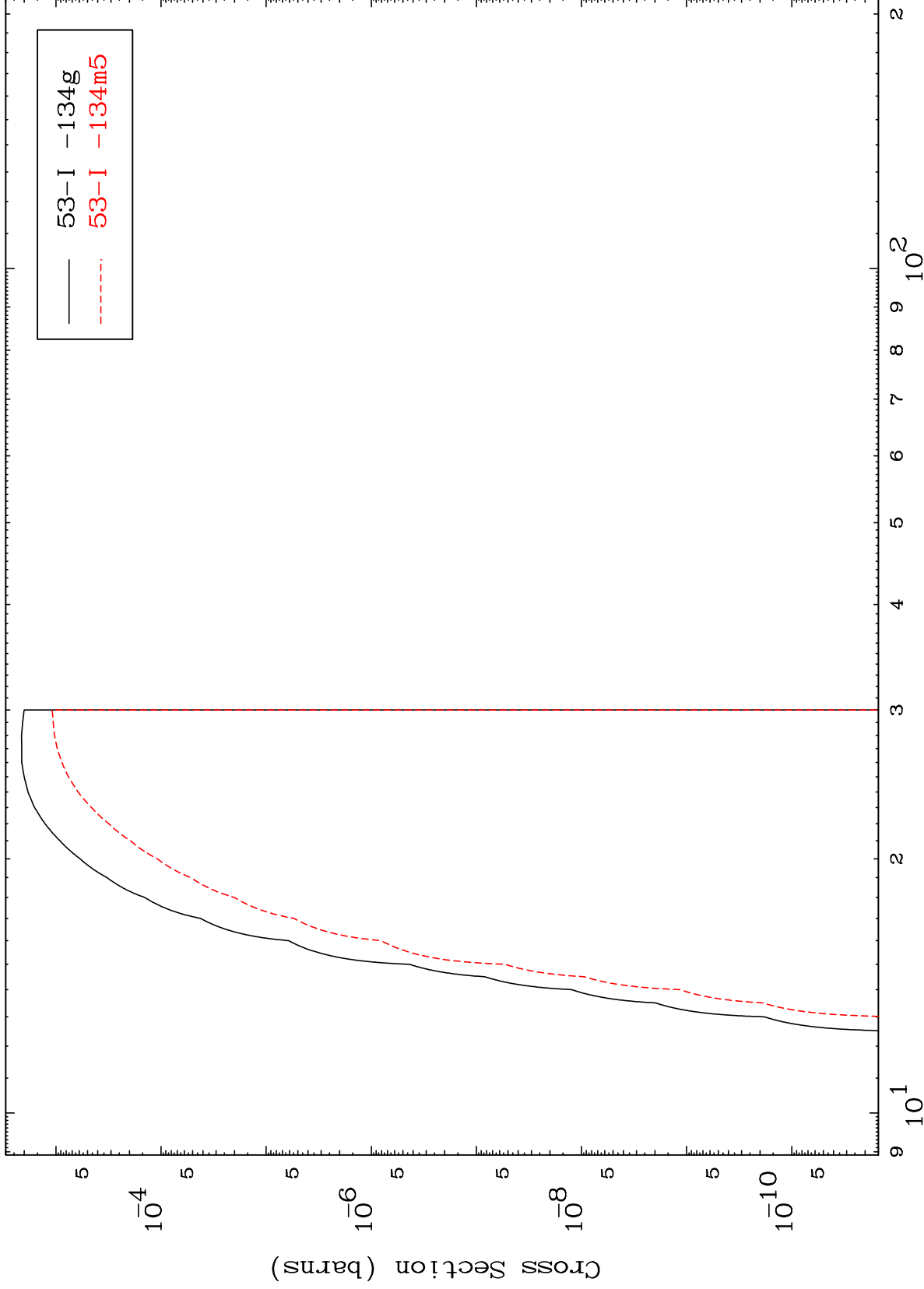
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n, t)  
Radionuclide Production Cross Section



147

Incident Energy (MeV)

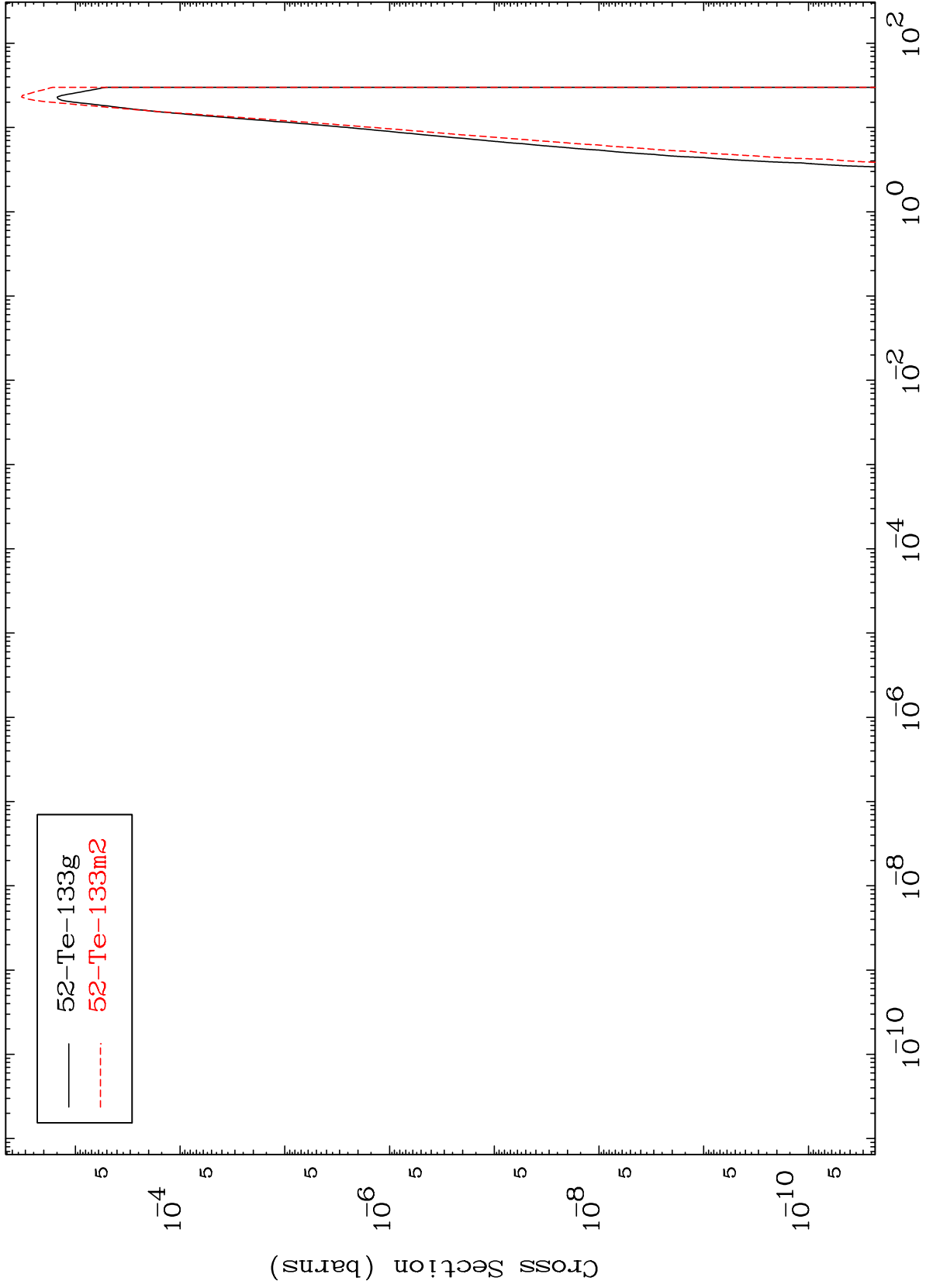
54-Xe-136

MAT 5461

(n,  $\alpha$ )

54-Xe-136

Radionuclide Production Cross Section



148

Incident Energy (MeV)

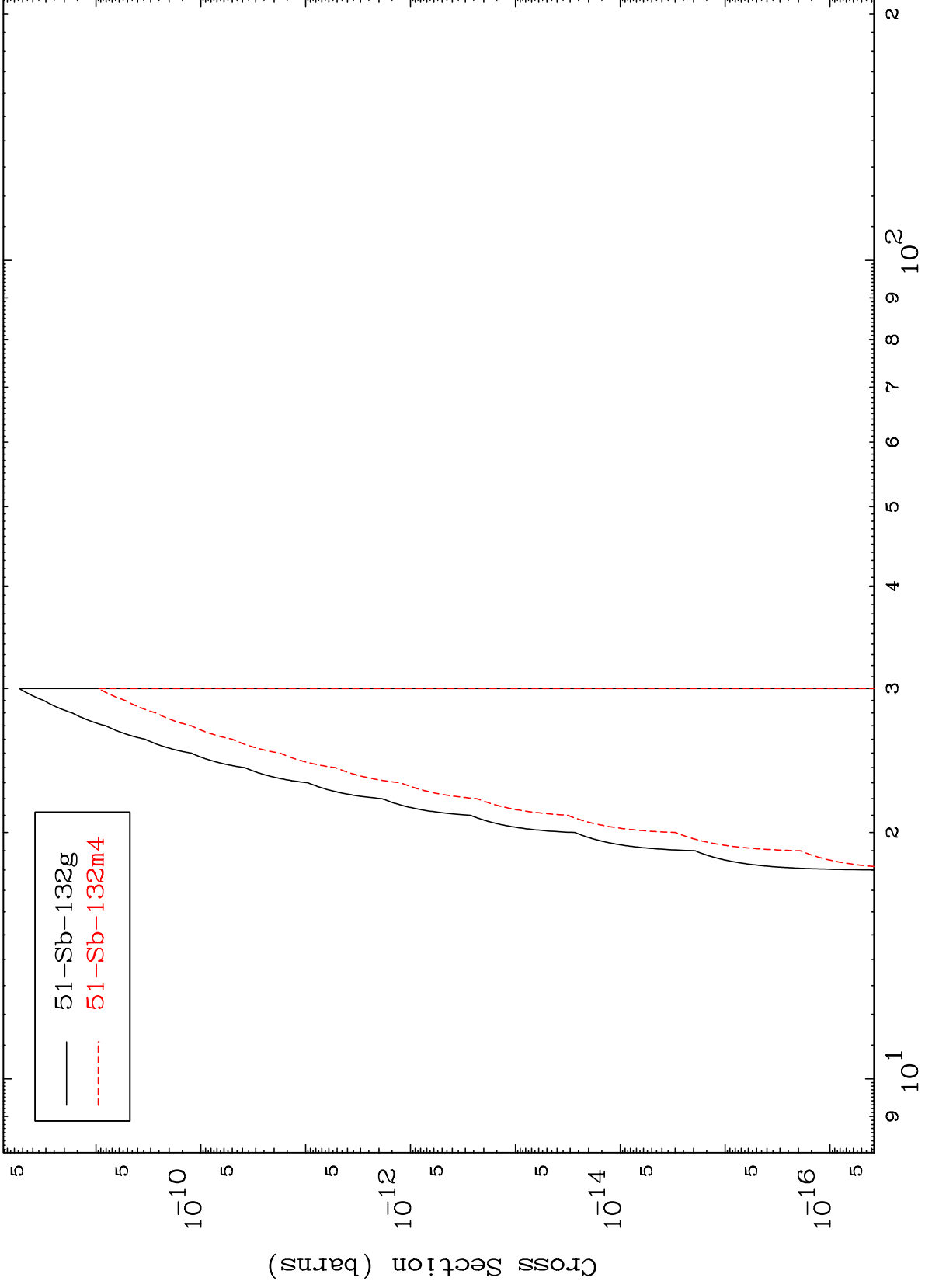
54-Xe-136

MAT 5461

(n,p)  $\alpha$

54-Xe-136

Radionuclide Production Cross Section



149

Incident Energy (MeV)

54-Xe-136