

Program EVALPLOT  
(Version 2015-2)

by

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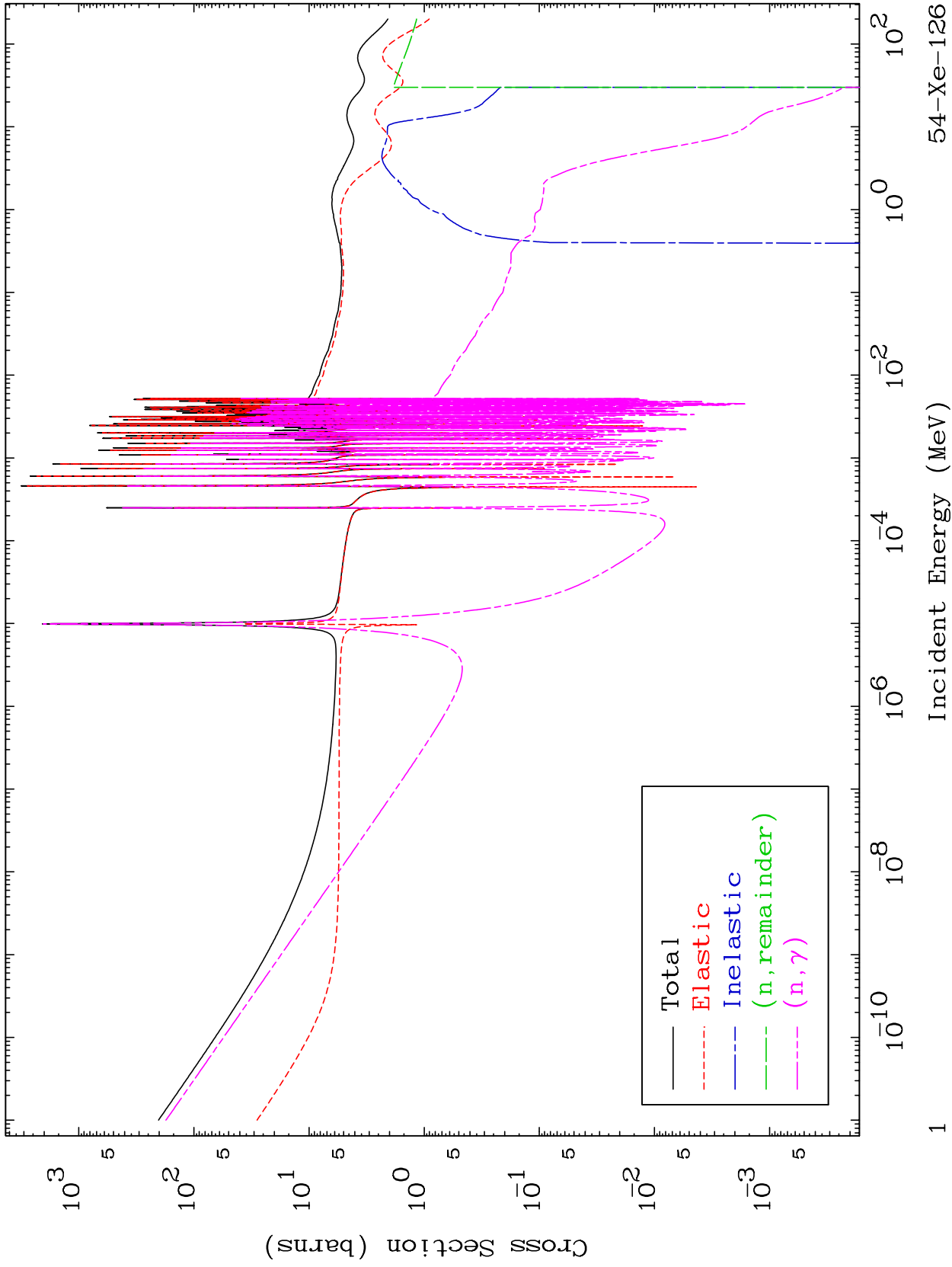
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5431

Major  
293 Kelvin Cross Sections

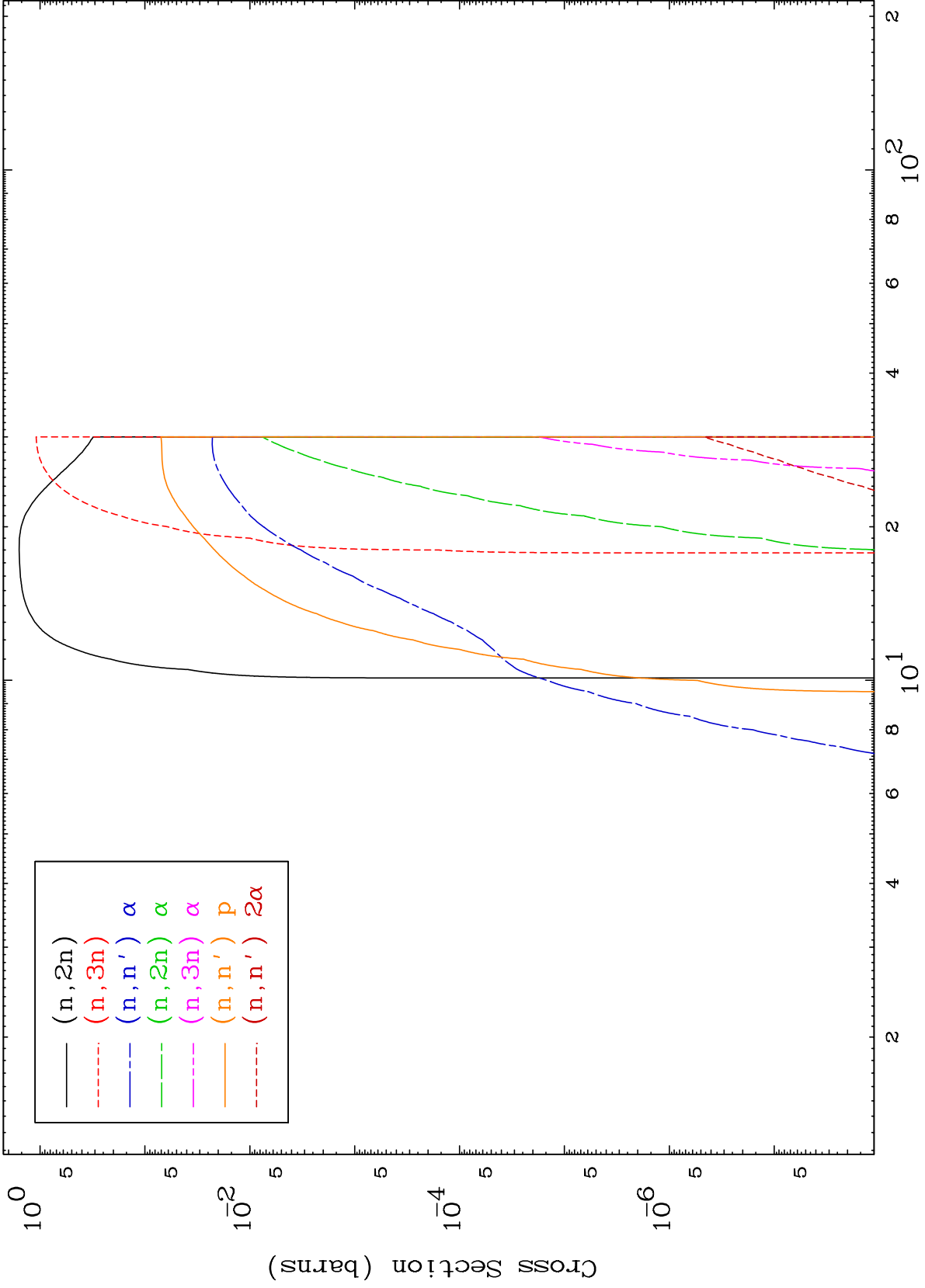
54-Xe-126



MAT 5431

Neutron Production  
293 Kelvin Cross Sections

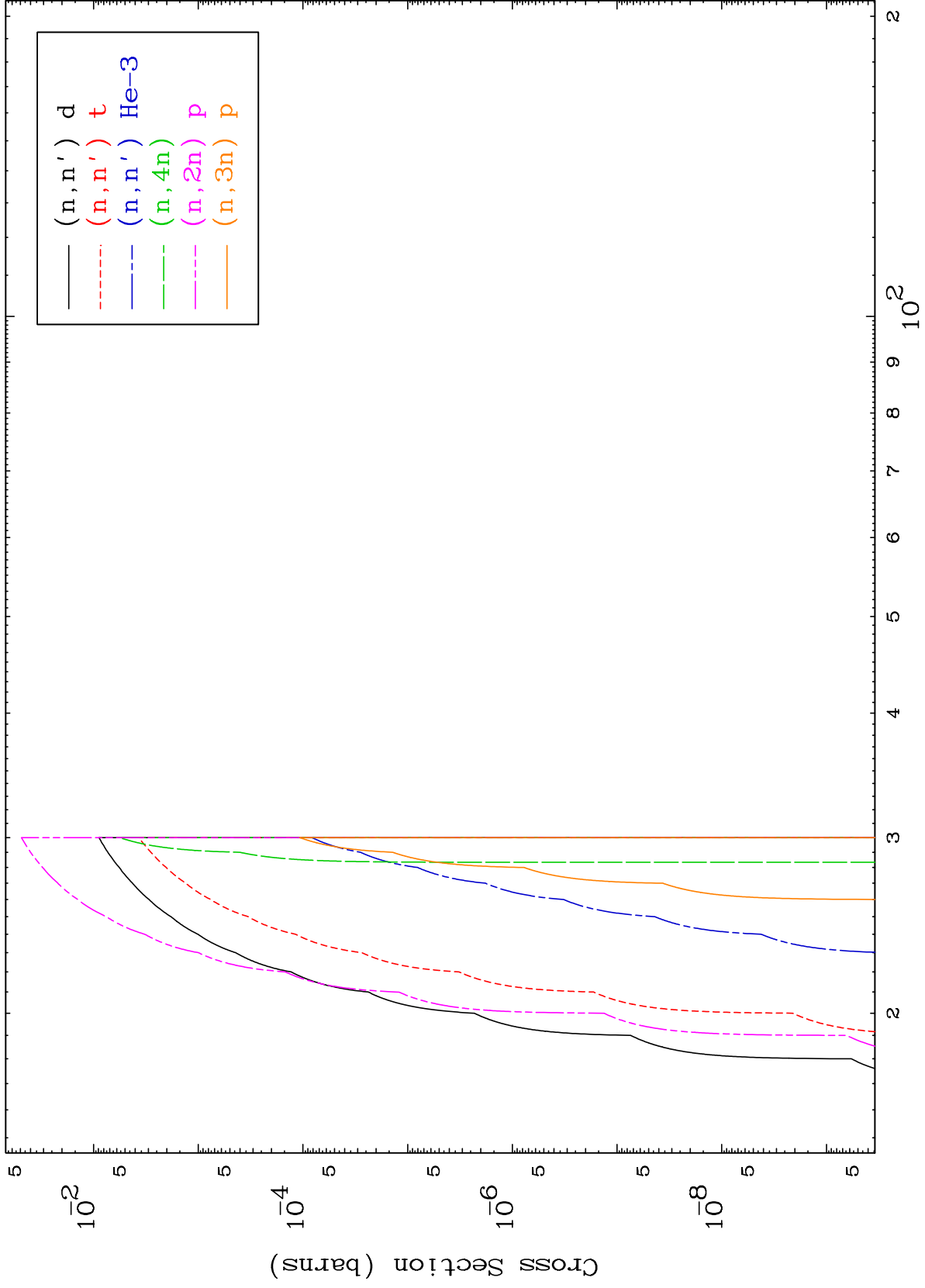
54-Xe-126

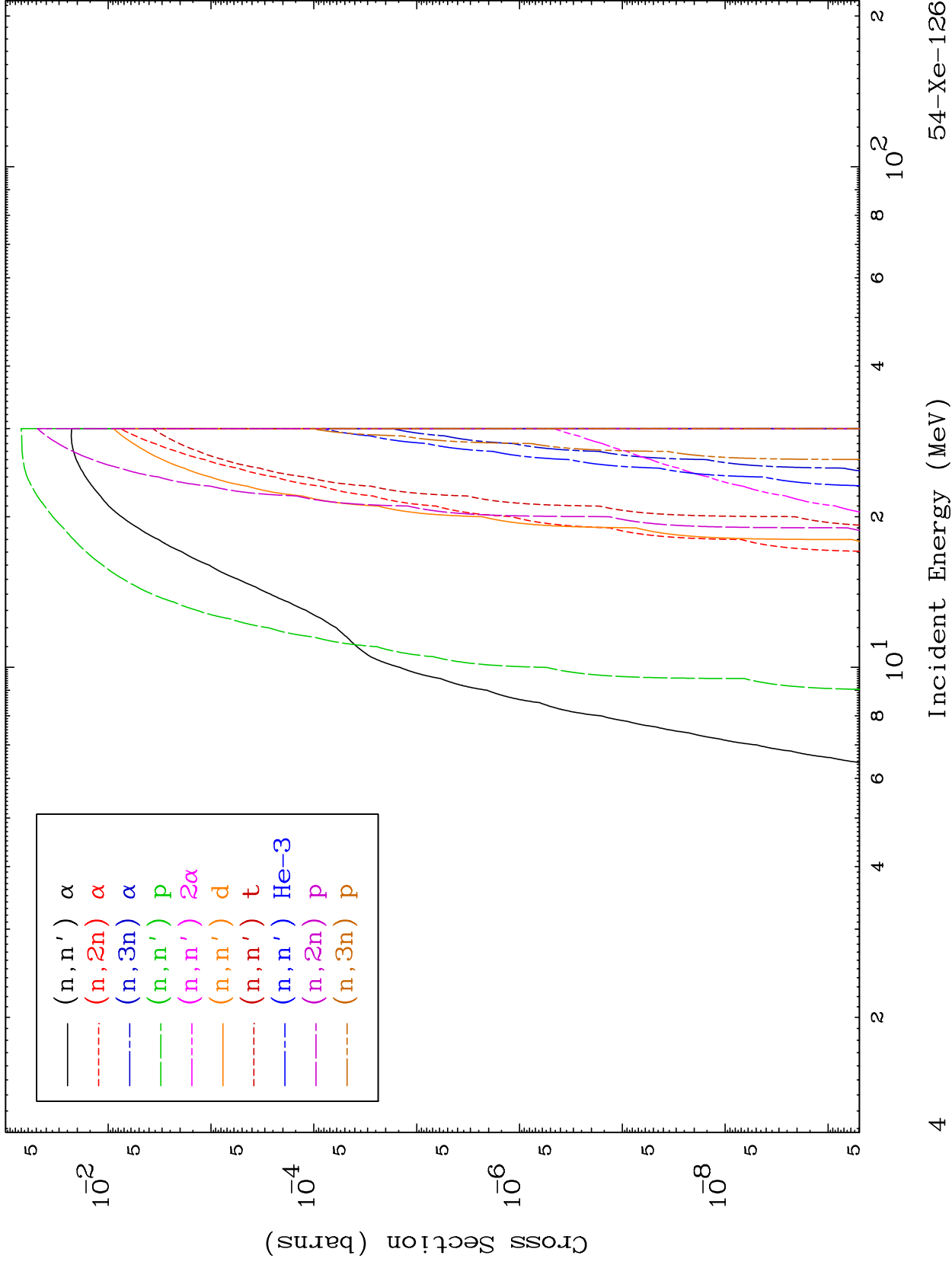


2

Incident Energy (MeV)

54-Xe-126

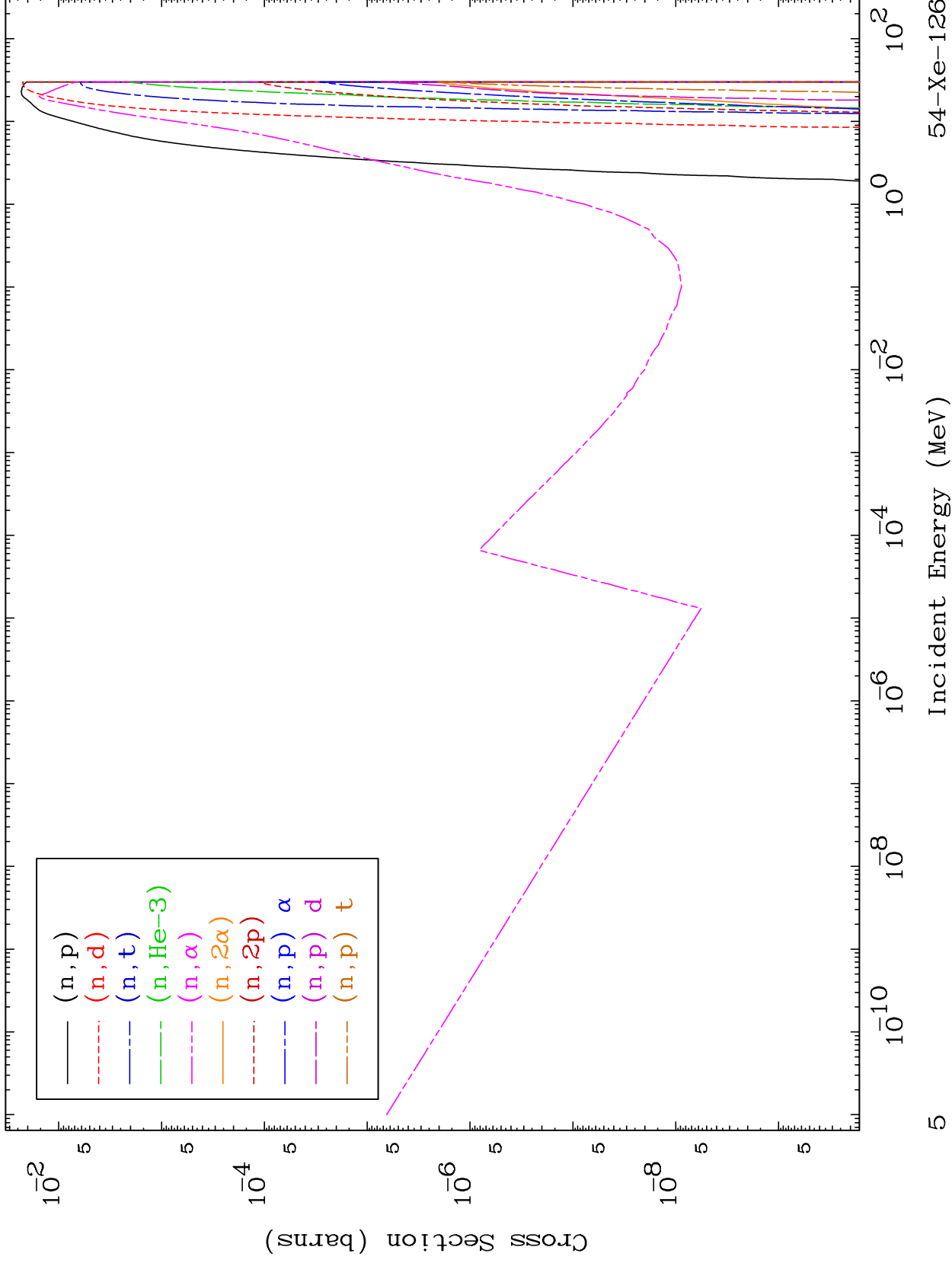




MAT 5431

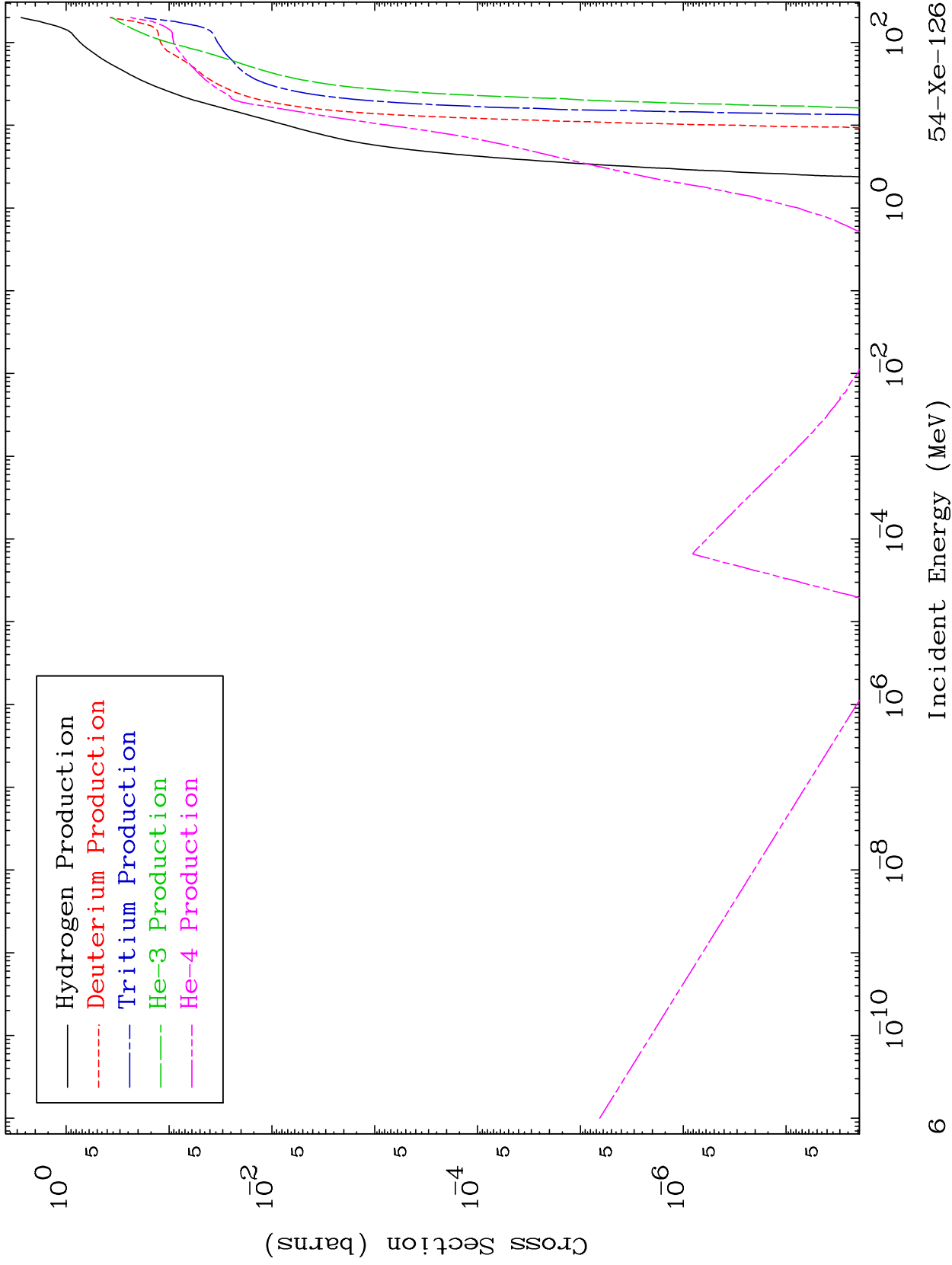
Charged Particle  
293 Kelvin Cross Sections

54-Xe-126



5

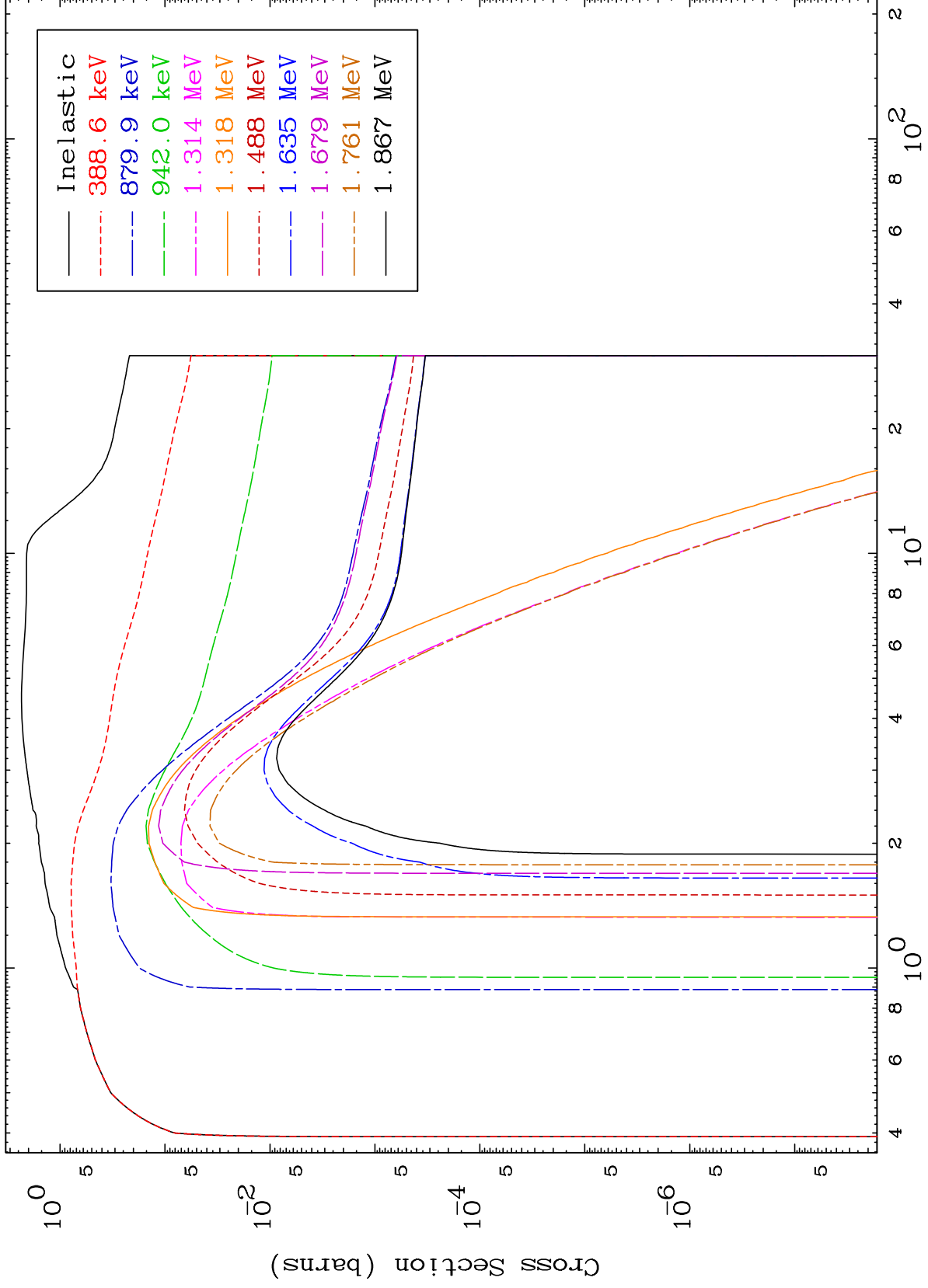
54-Xe-126



MAT 5431

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-126



7

Incident Energy (MeV)

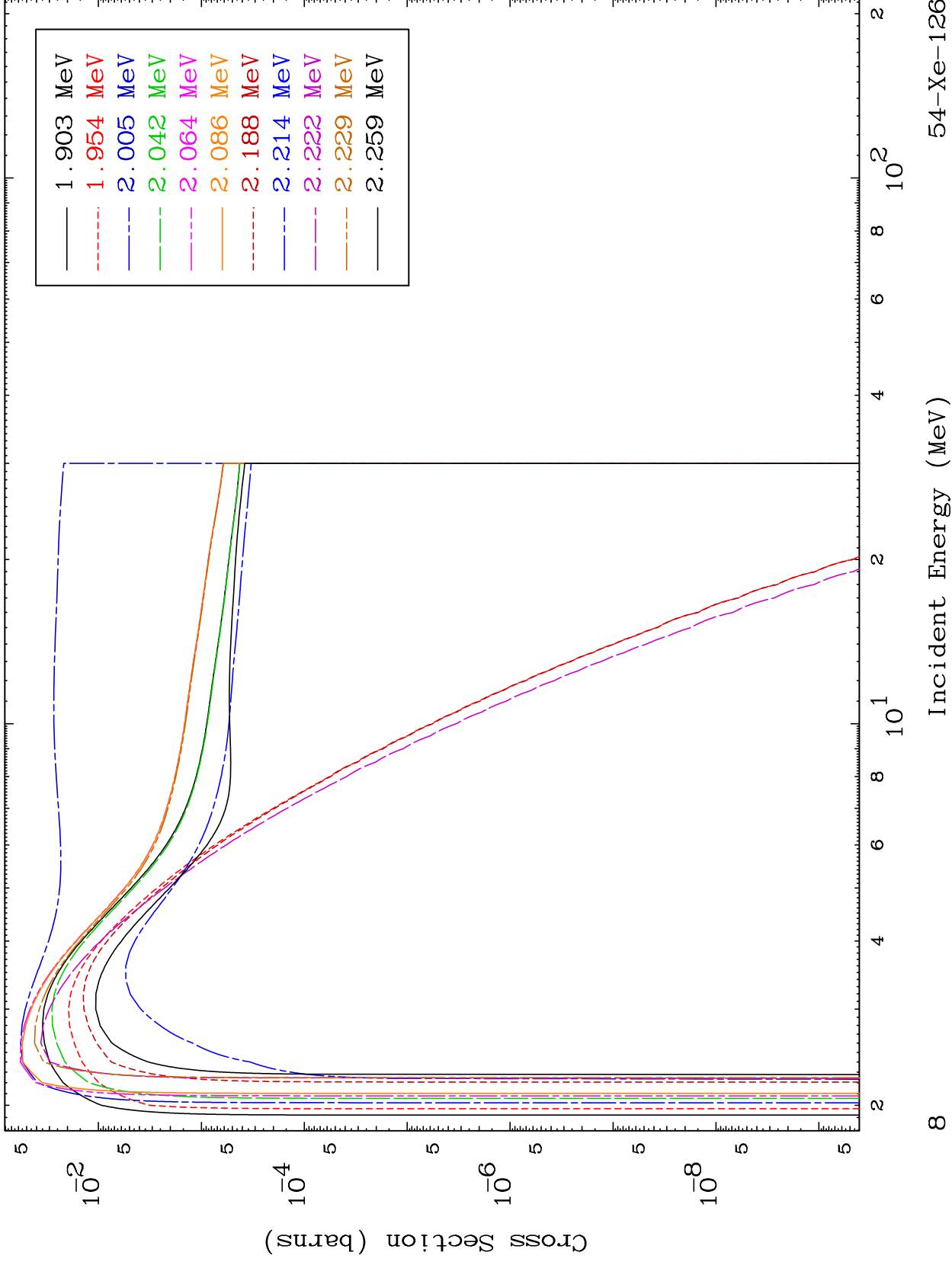
54-Xe-126



MAT 5431

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-126

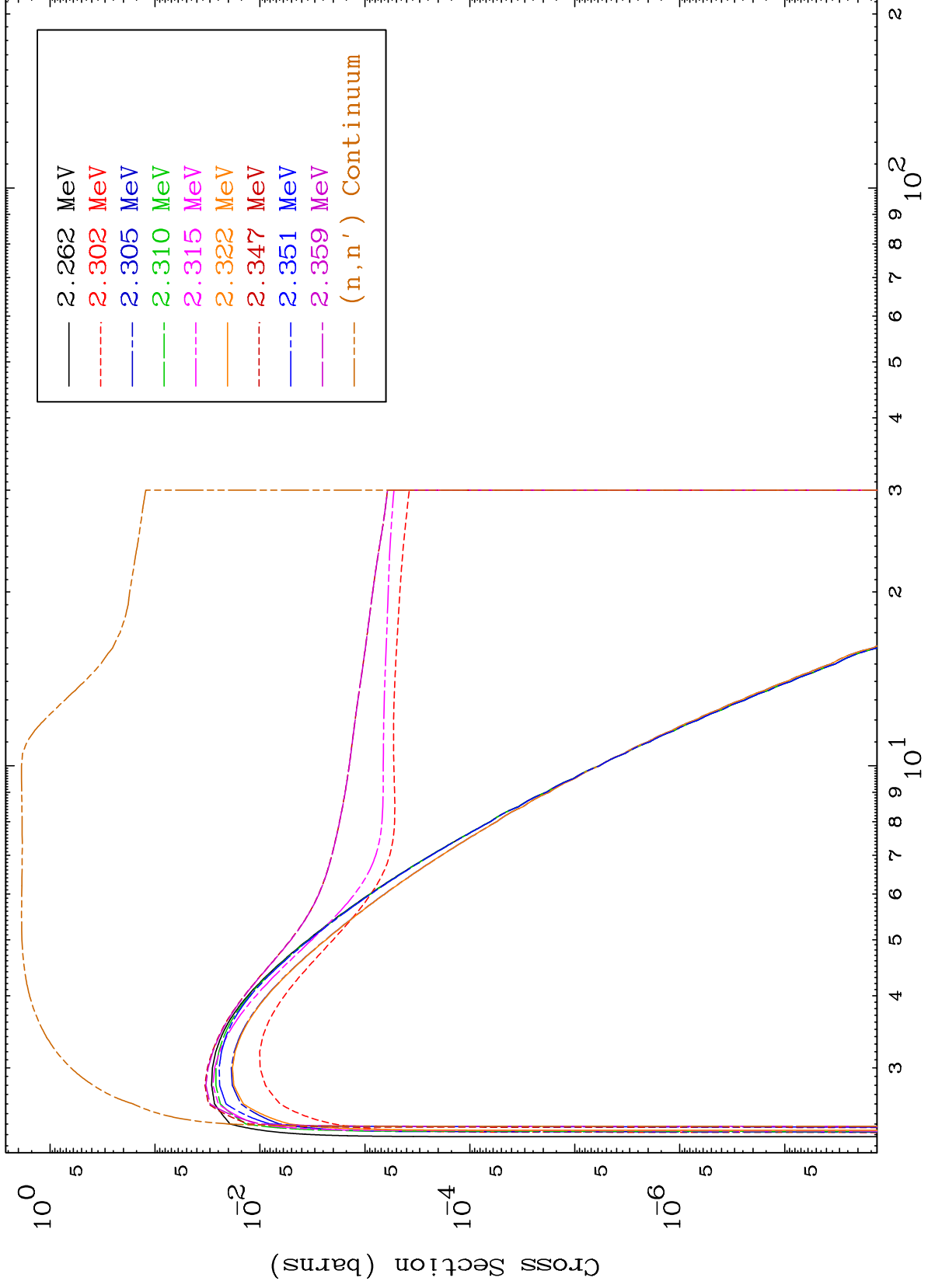


54-Xe-126

Incident Energy (MeV)

8

293 Kelvin Cross Sections

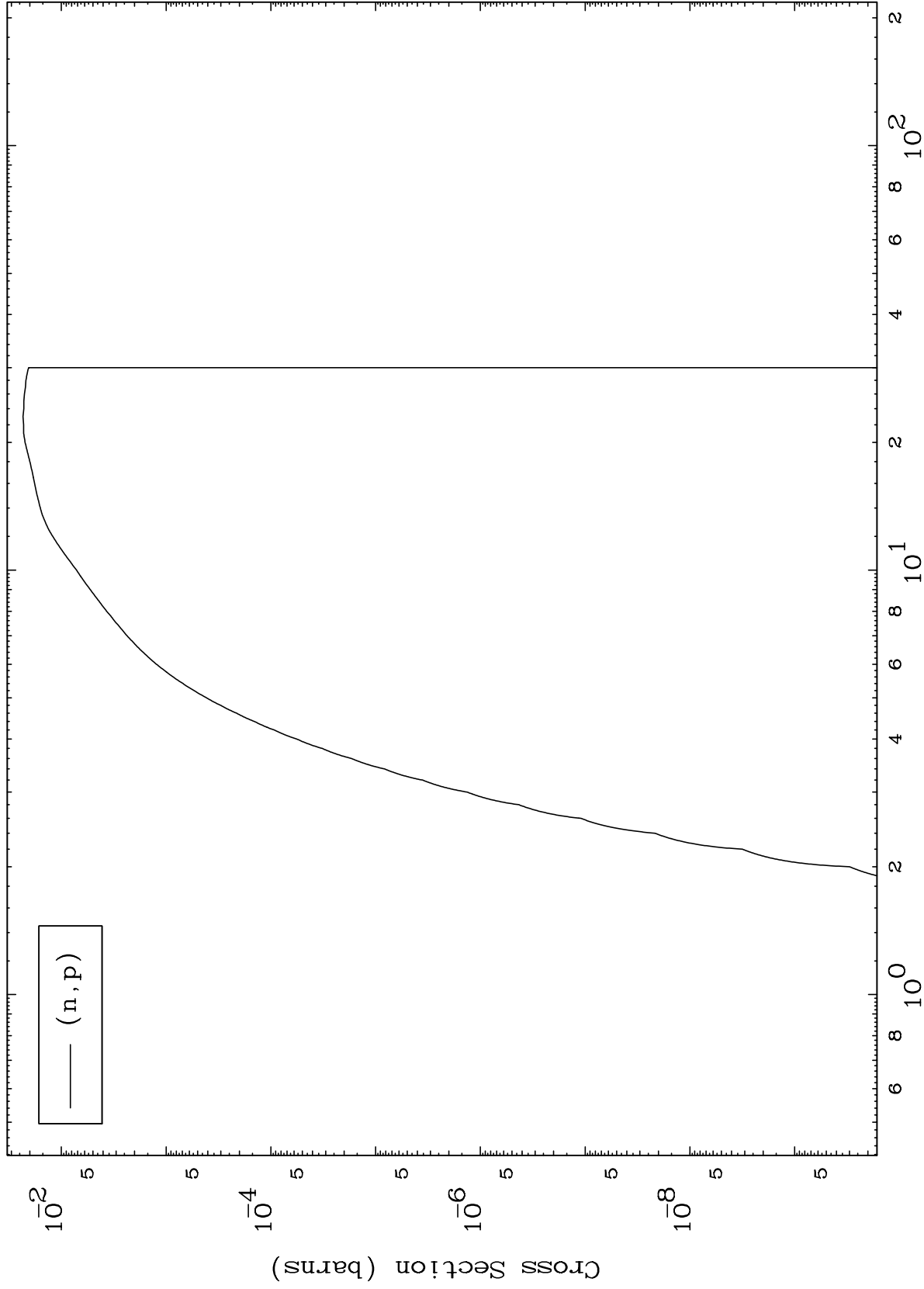


MAT 5431

(n,p) Levels

54-Xe-126

293 Kelvin Cross Sections



10

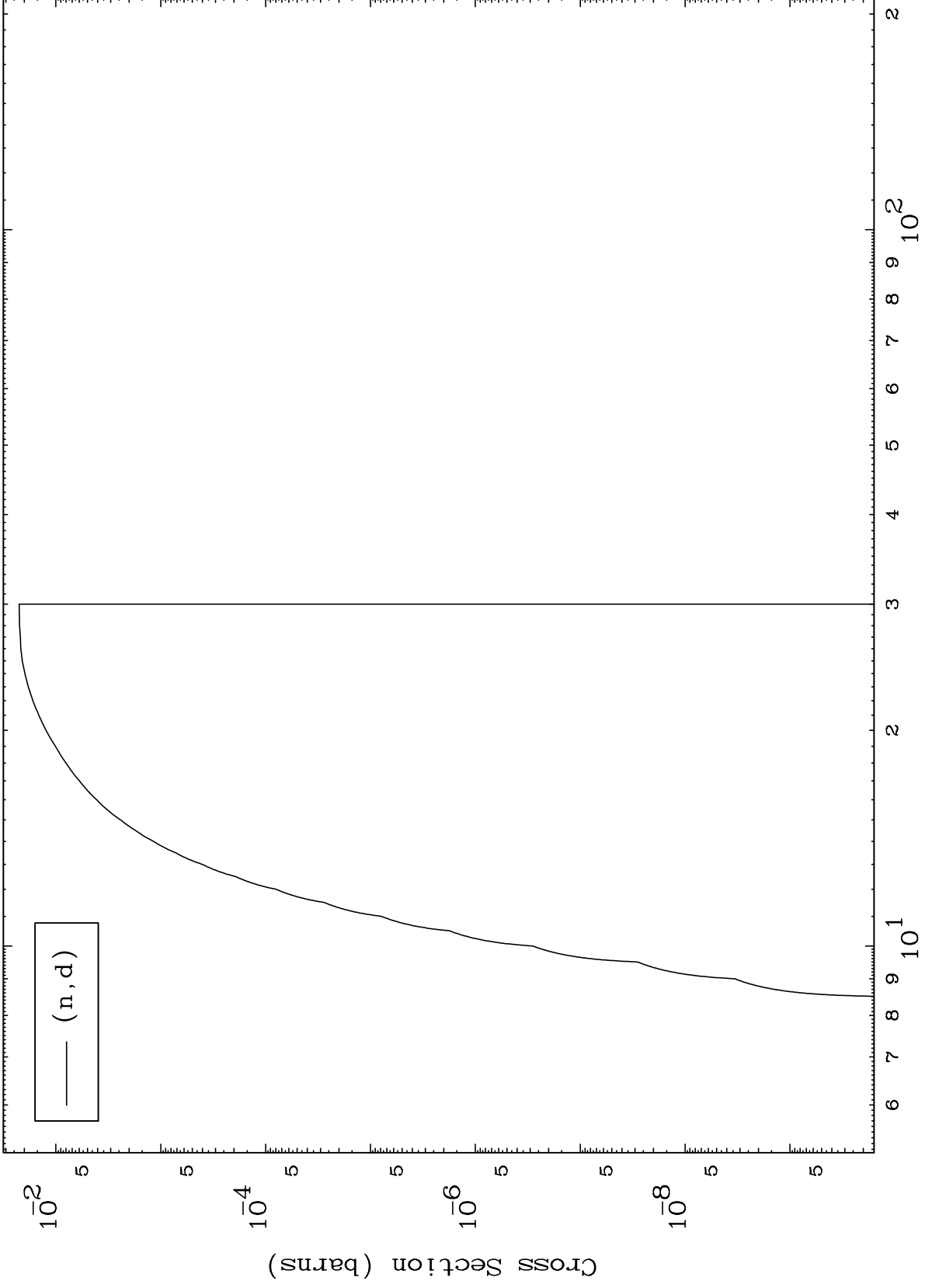
Incident Energy (MeV)

54-Xe-126

MAT 5431

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-126



11

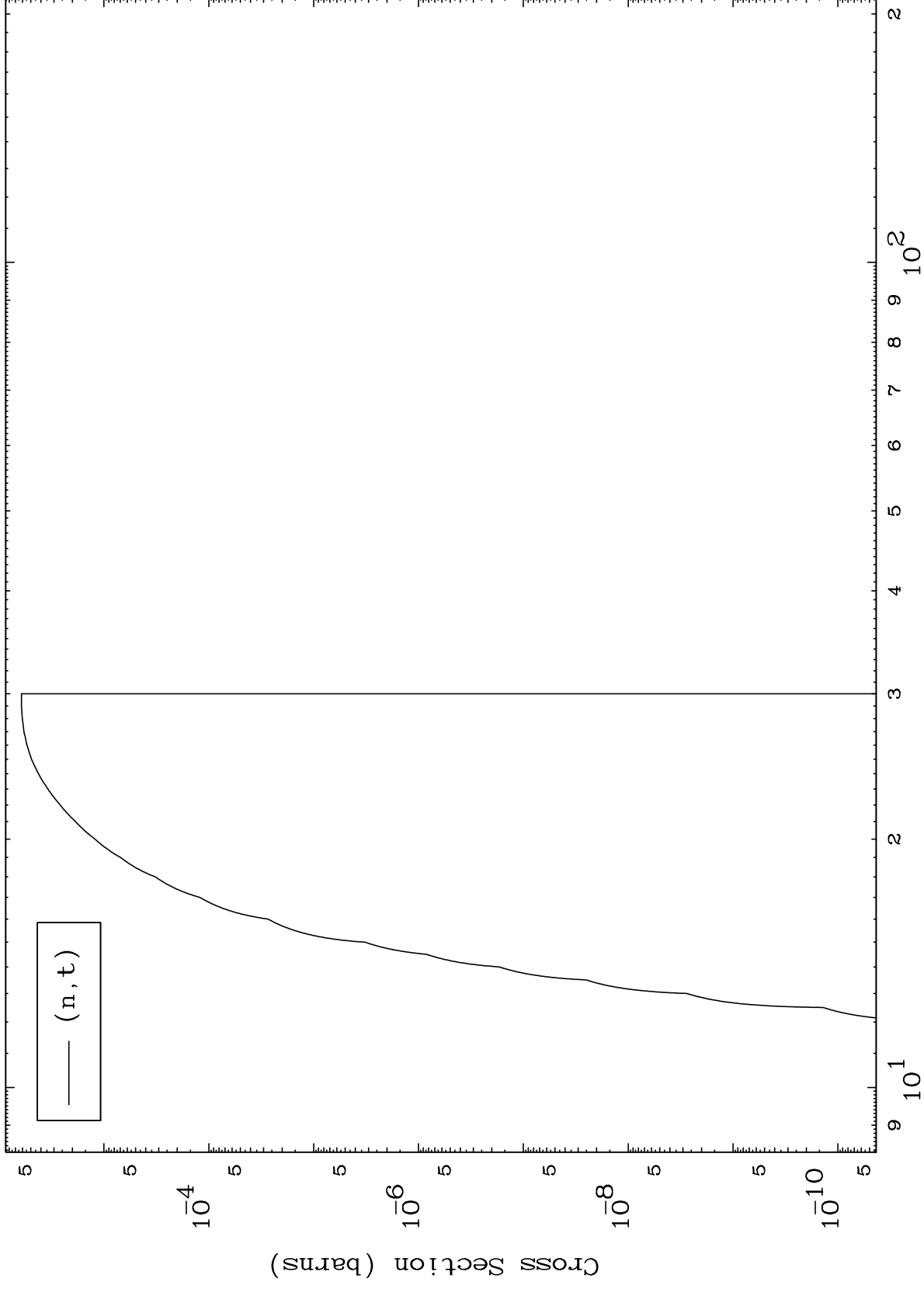
Incident Energy (MeV)

54-Xe-126

MAT 5431

(n,t) Levels  
293 Kelvin Cross Sections

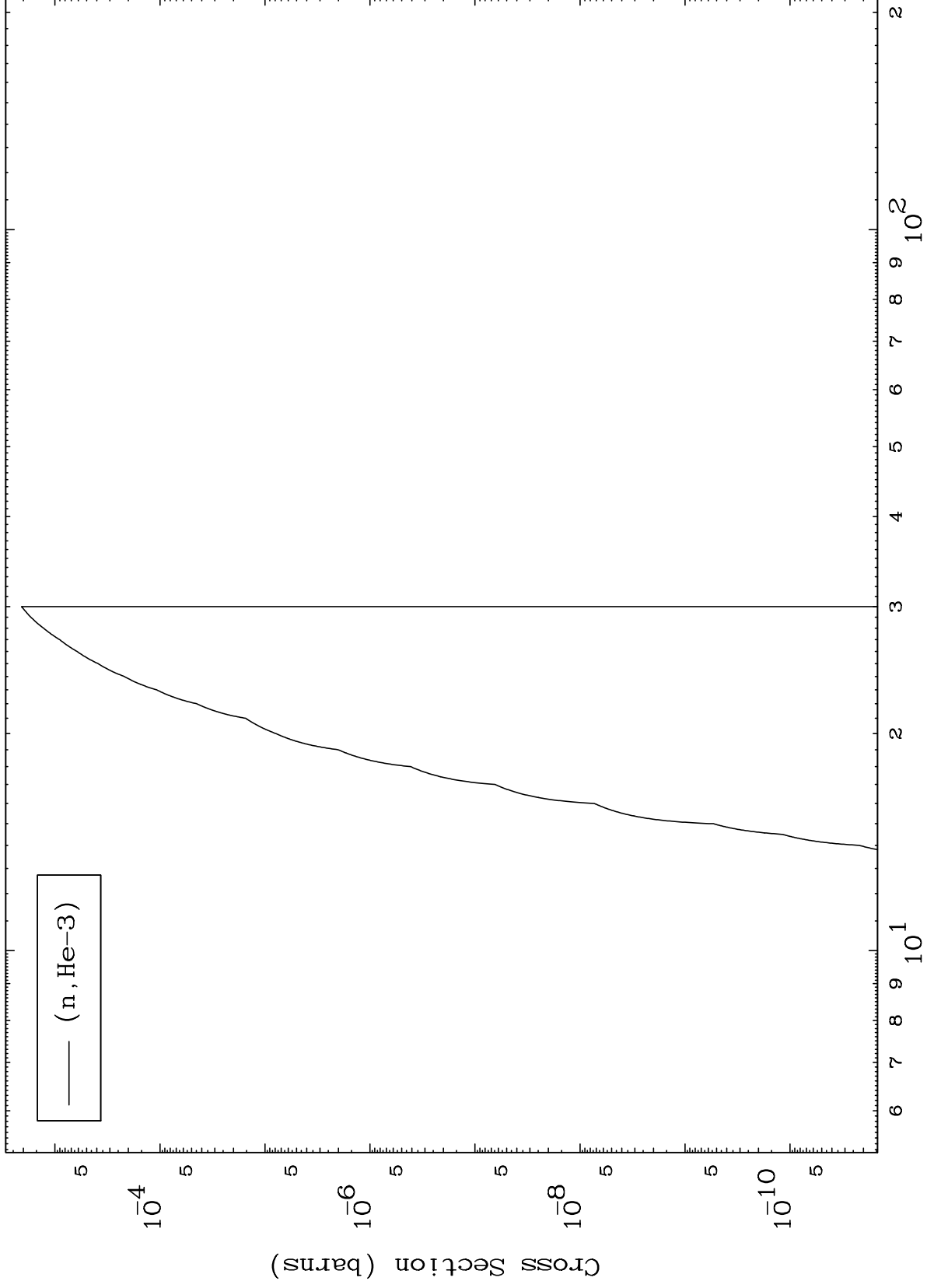
54-Xe-126



12

Incident Energy (MeV)

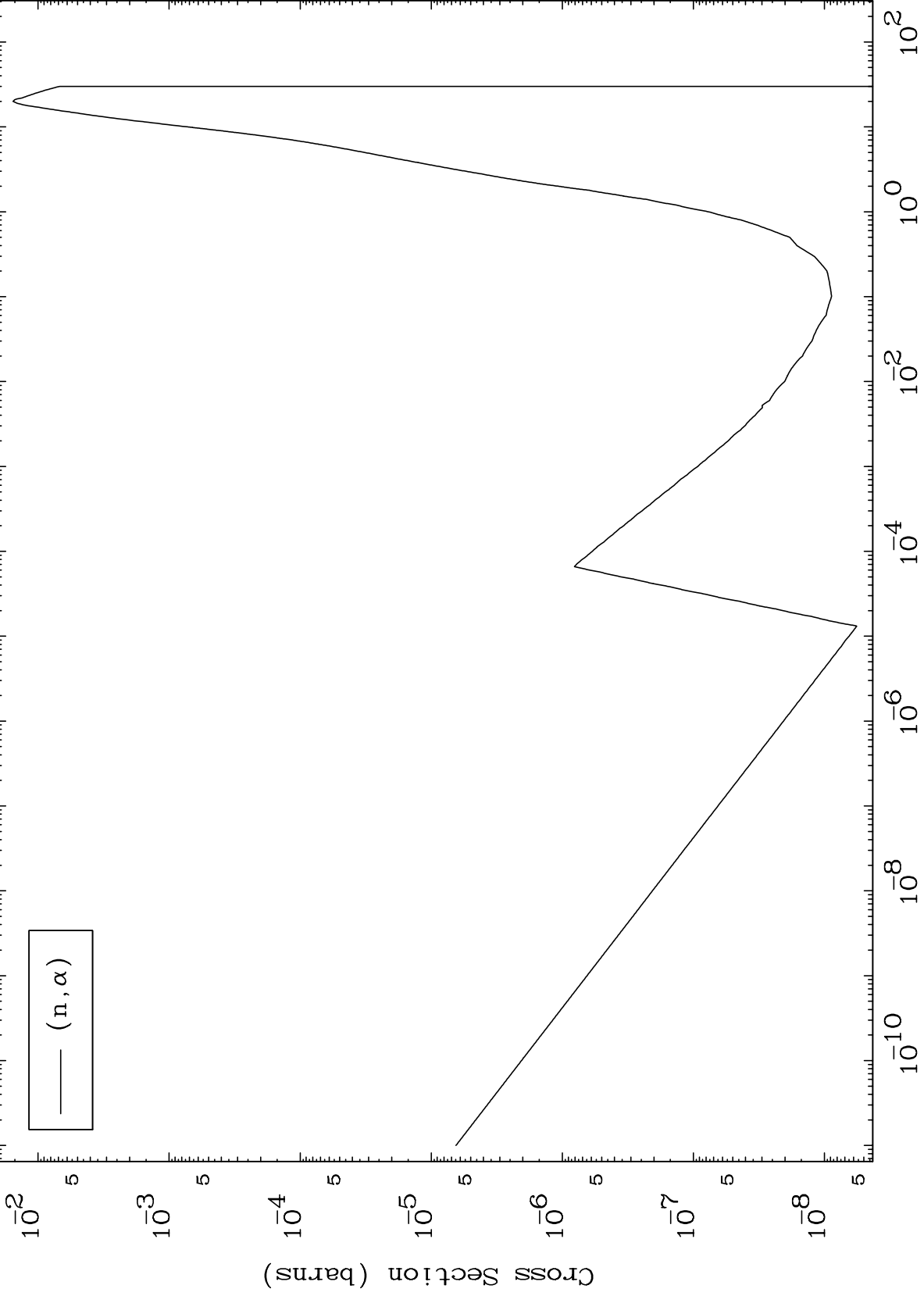
54-Xe-126

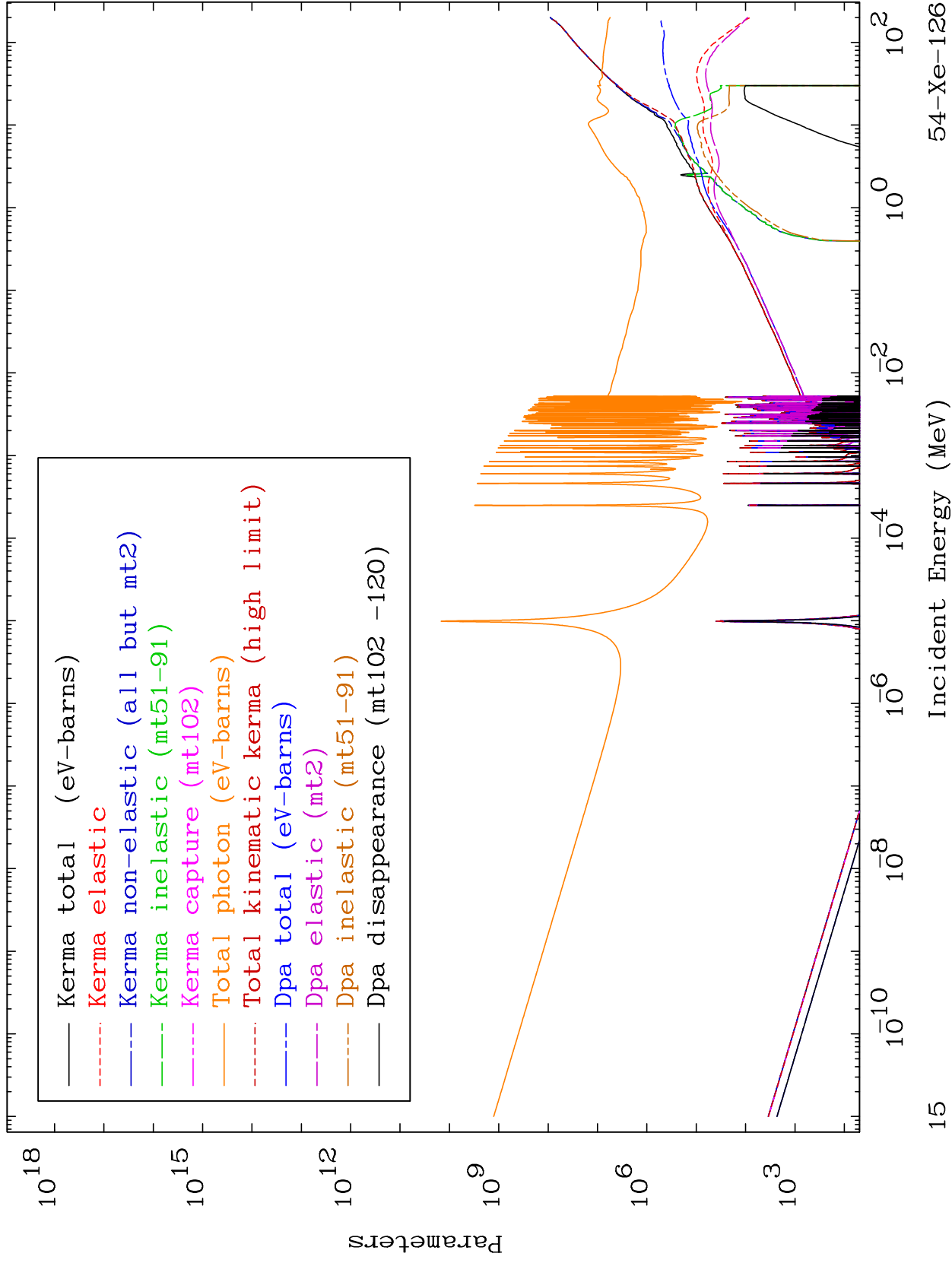


MAT 5431

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

54-Xe-126



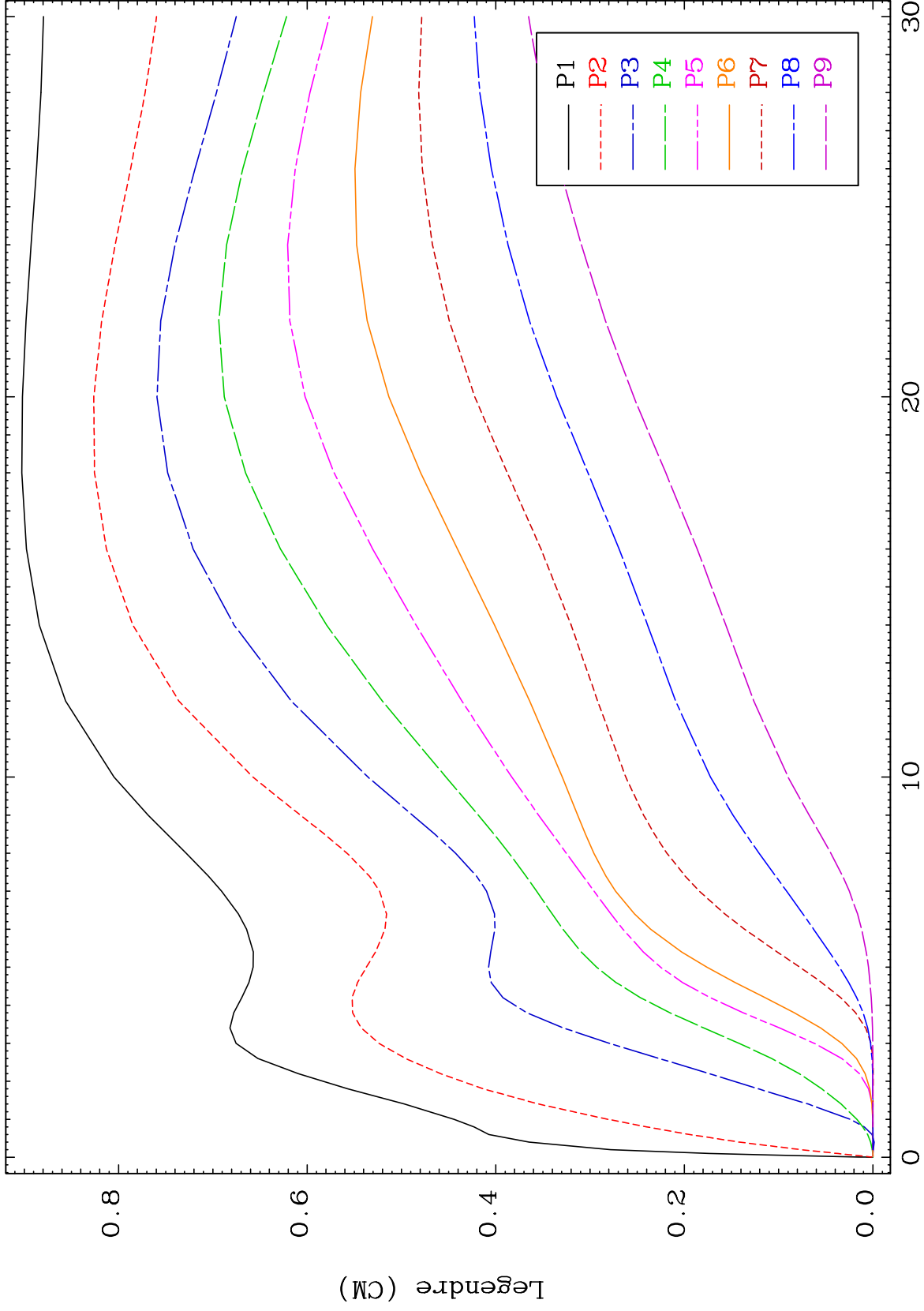




MAT 5431

54-Xe-126

Elastic Legendre Coefficients



54-Xe-126

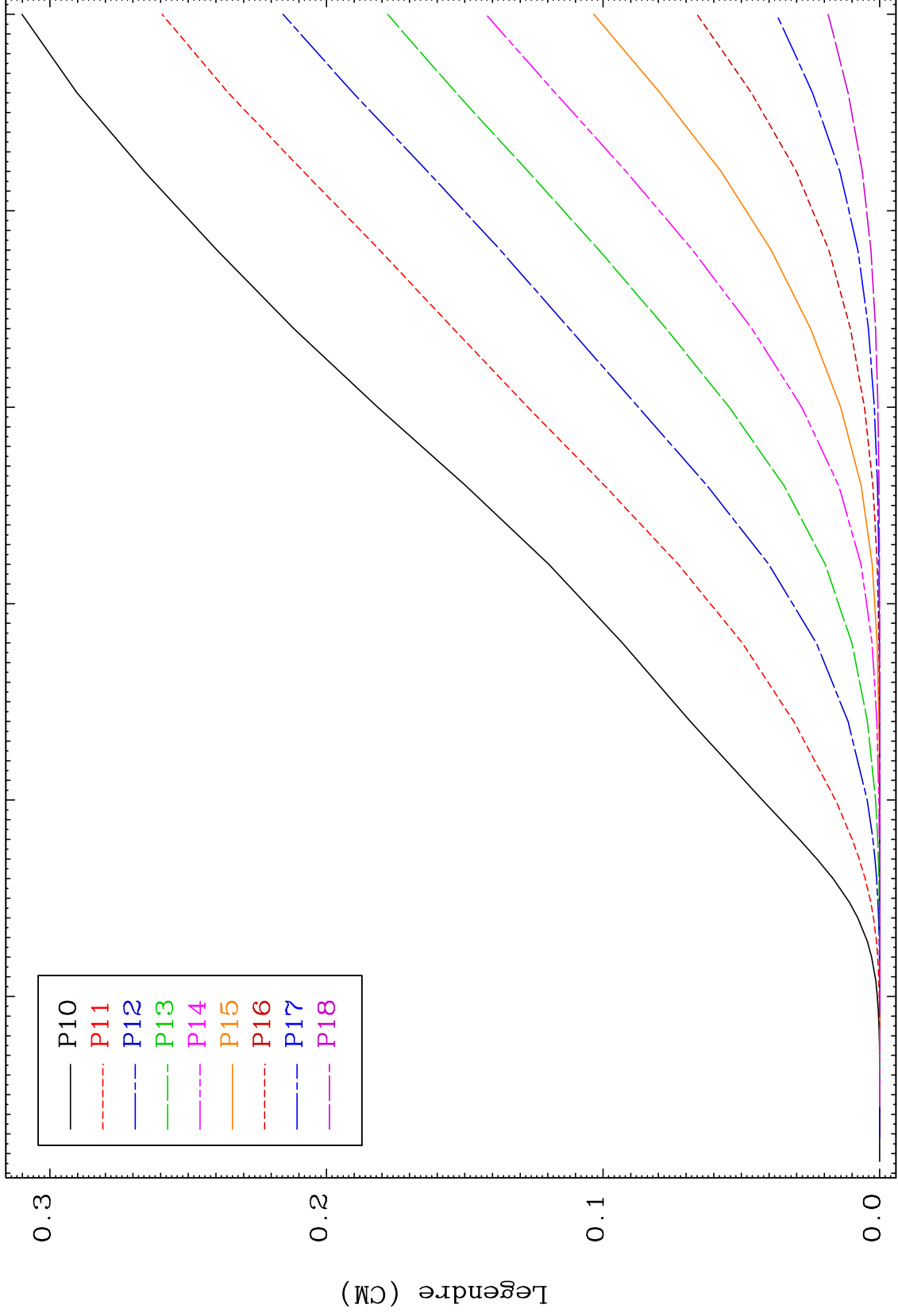
Incident Energy (MeV)

16

MAT 5431

Elastic Legendre Coefficients

54-Xe-126



17

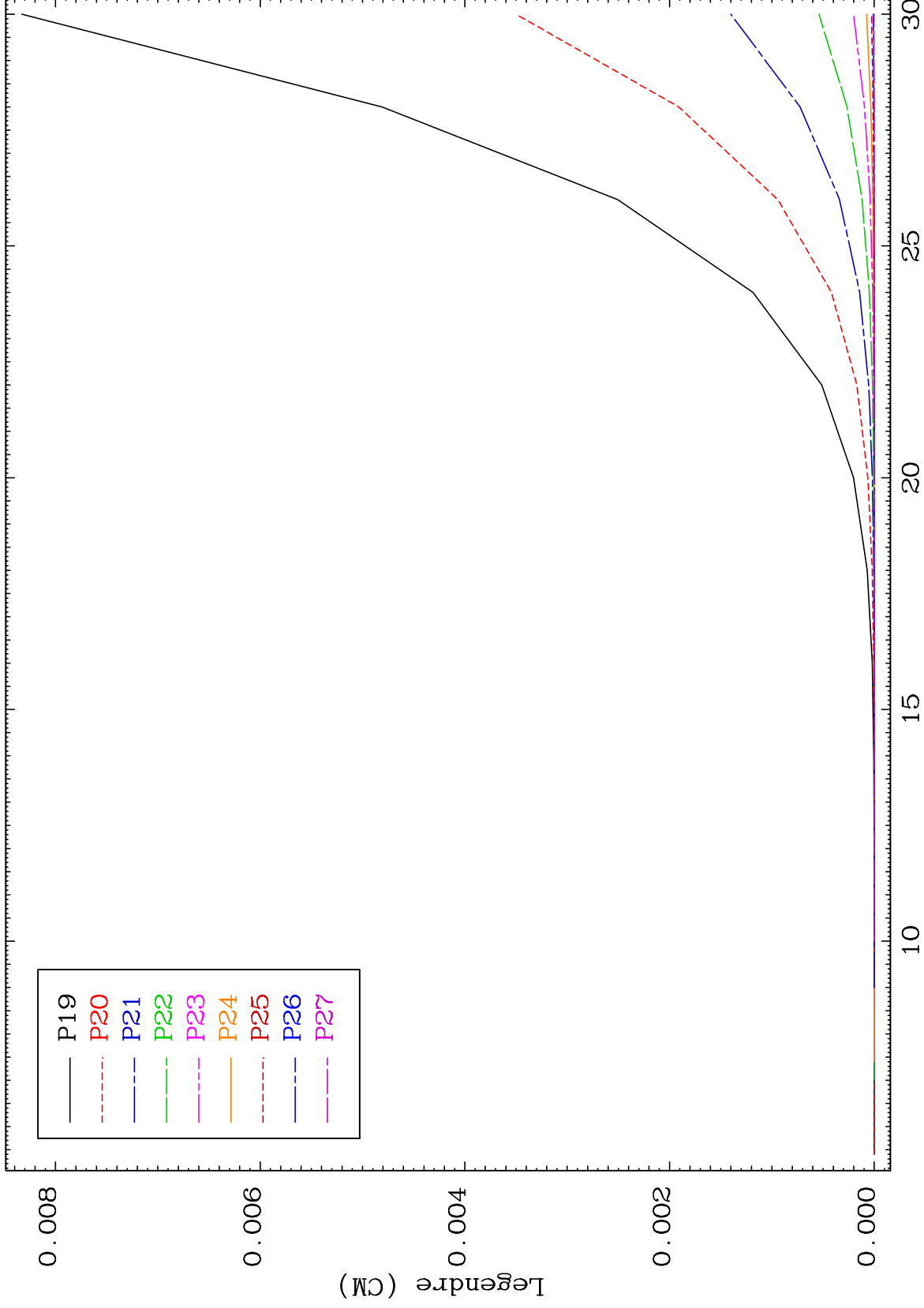
Incident Energy (MeV)

54-Xe-126

MAT 5431

Elastic  
Legendre Coefficients

54-Xe-126



18

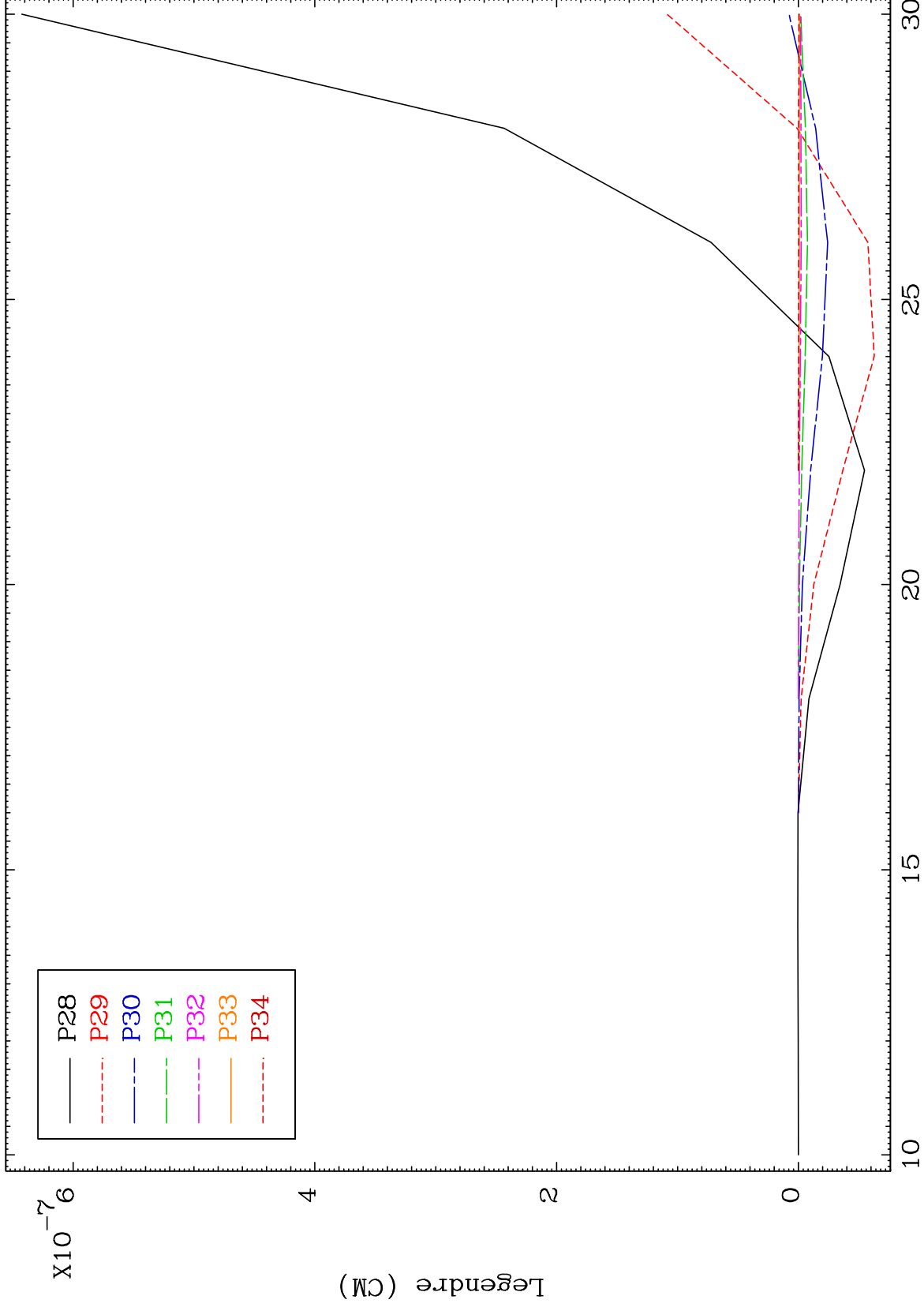
Incident Energy (MeV)

54-Xe-126

MAT 5431

Elastic  
Legendre Coefficients

54-Xe-126



19

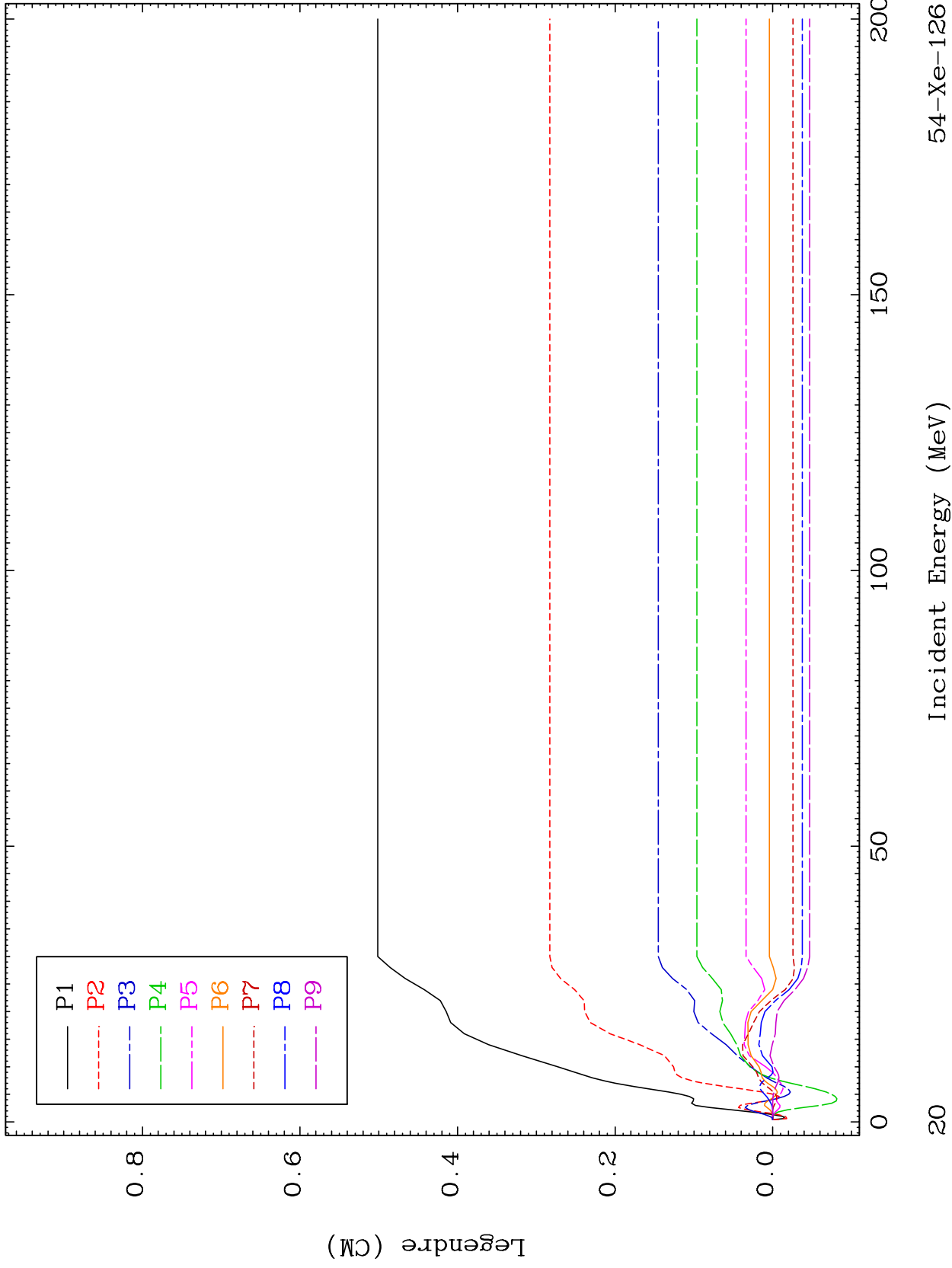
Incident Energy (MeV)

54-Xe-126

MAT 5431

388.6 keV (n,n') Level  
Legendre Coefficients

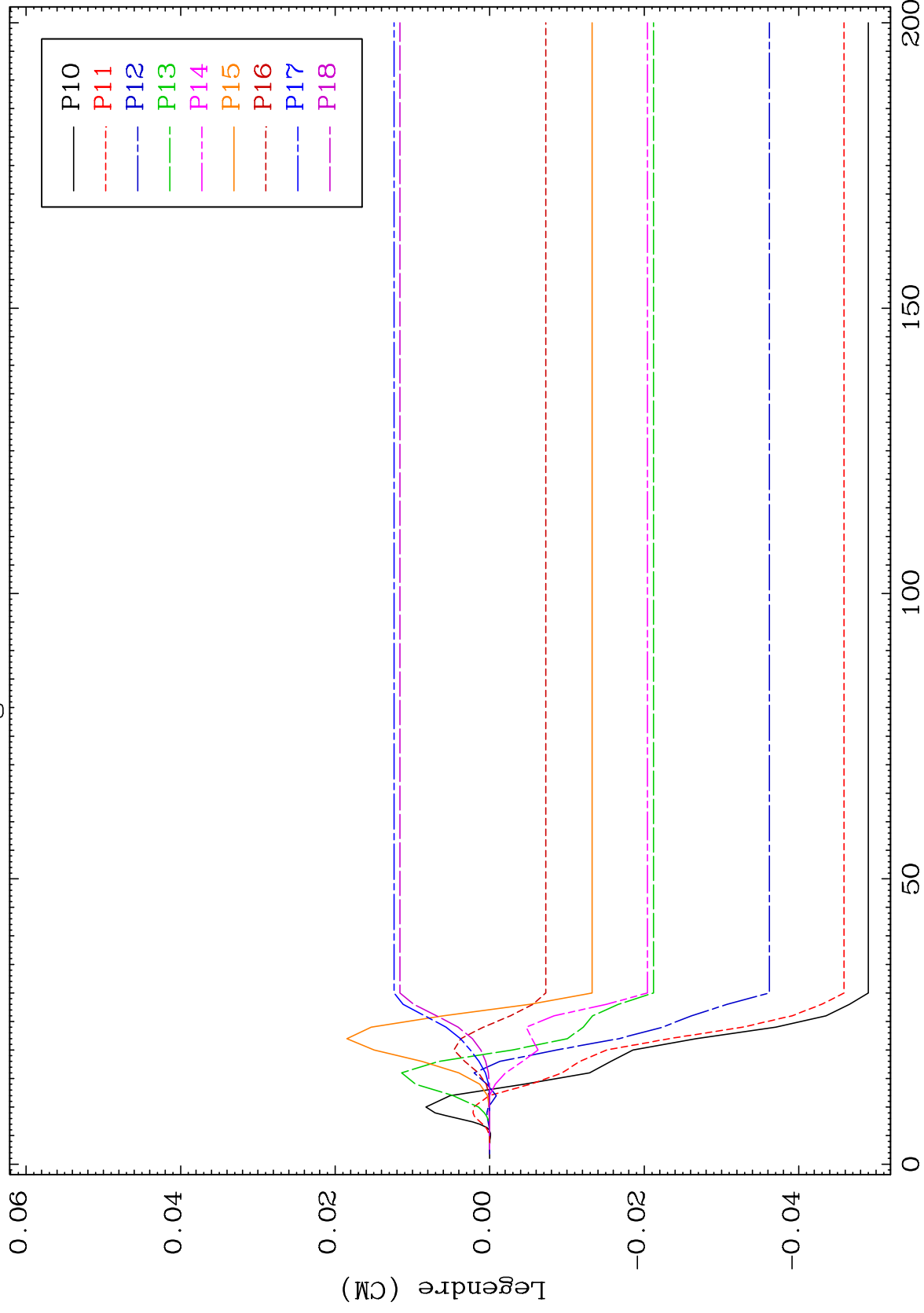
54-Xe-126



MAT 5431

388.6 keV (n,n') Level  
Legendre Coefficients

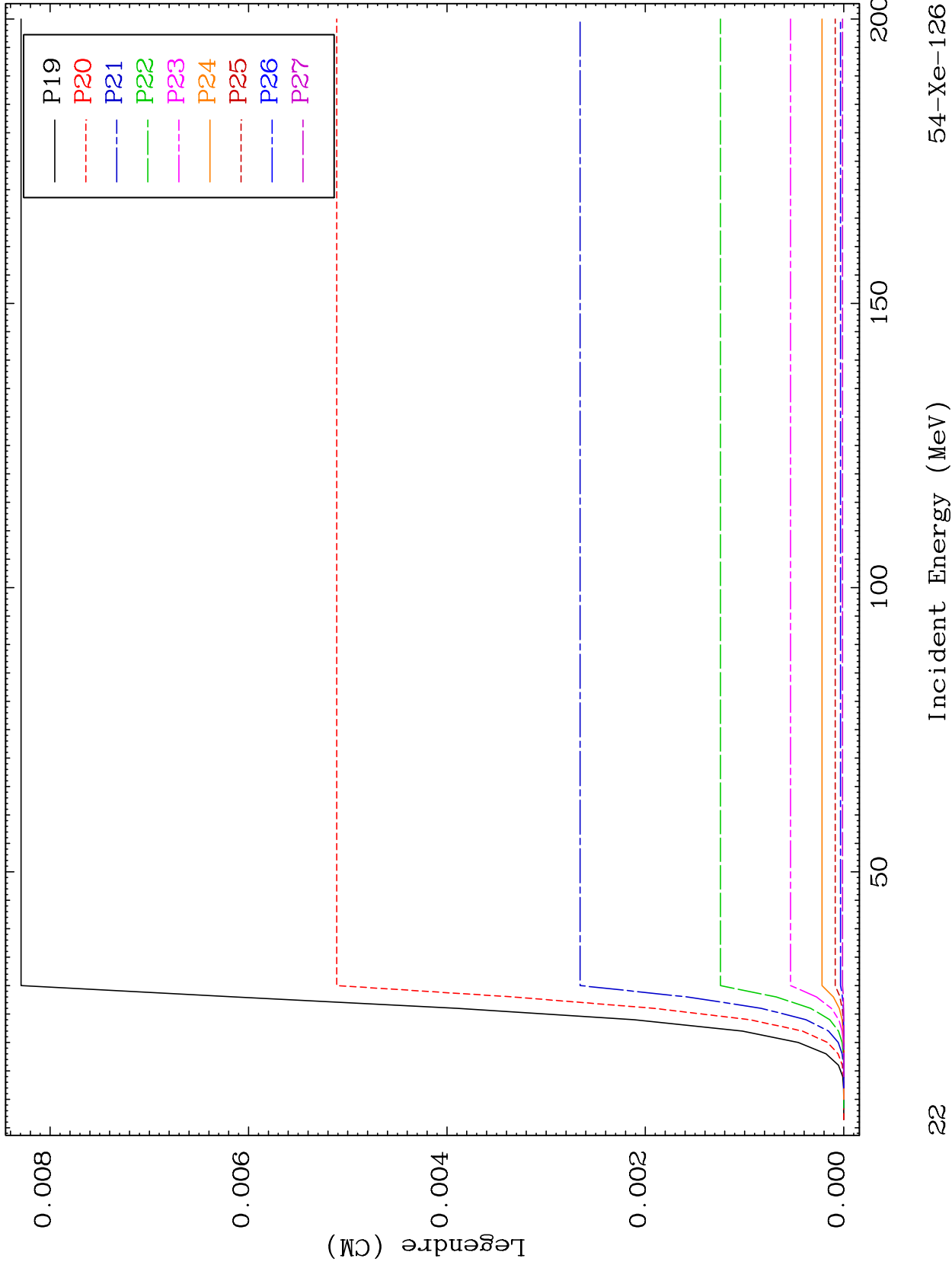
54-Xe-126



21

Incident Energy (MeV)

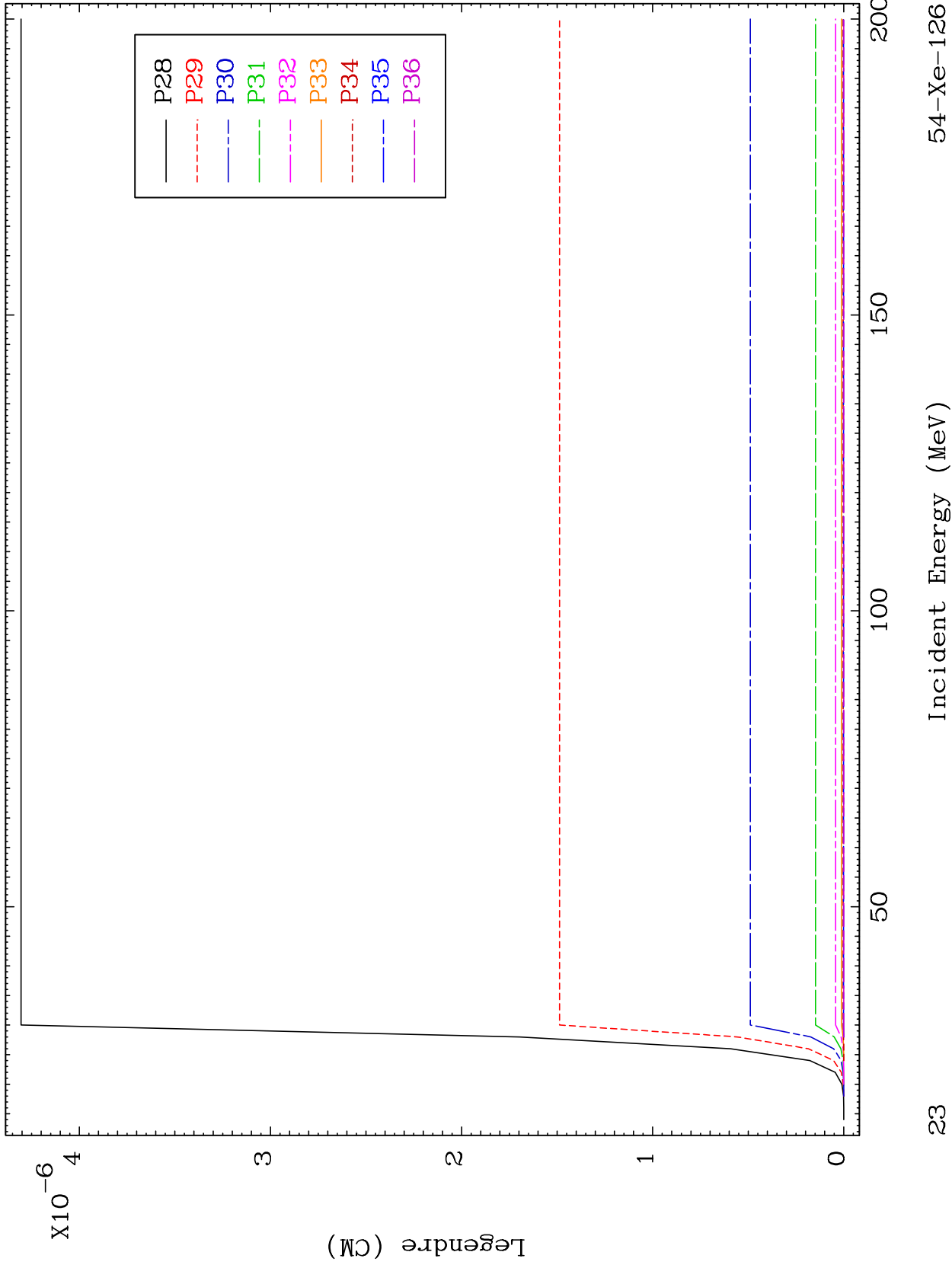
54-Xe-126



MAT 5431

388.6 keV (n, n') Level  
Legendre Coefficients

54-Xe-126

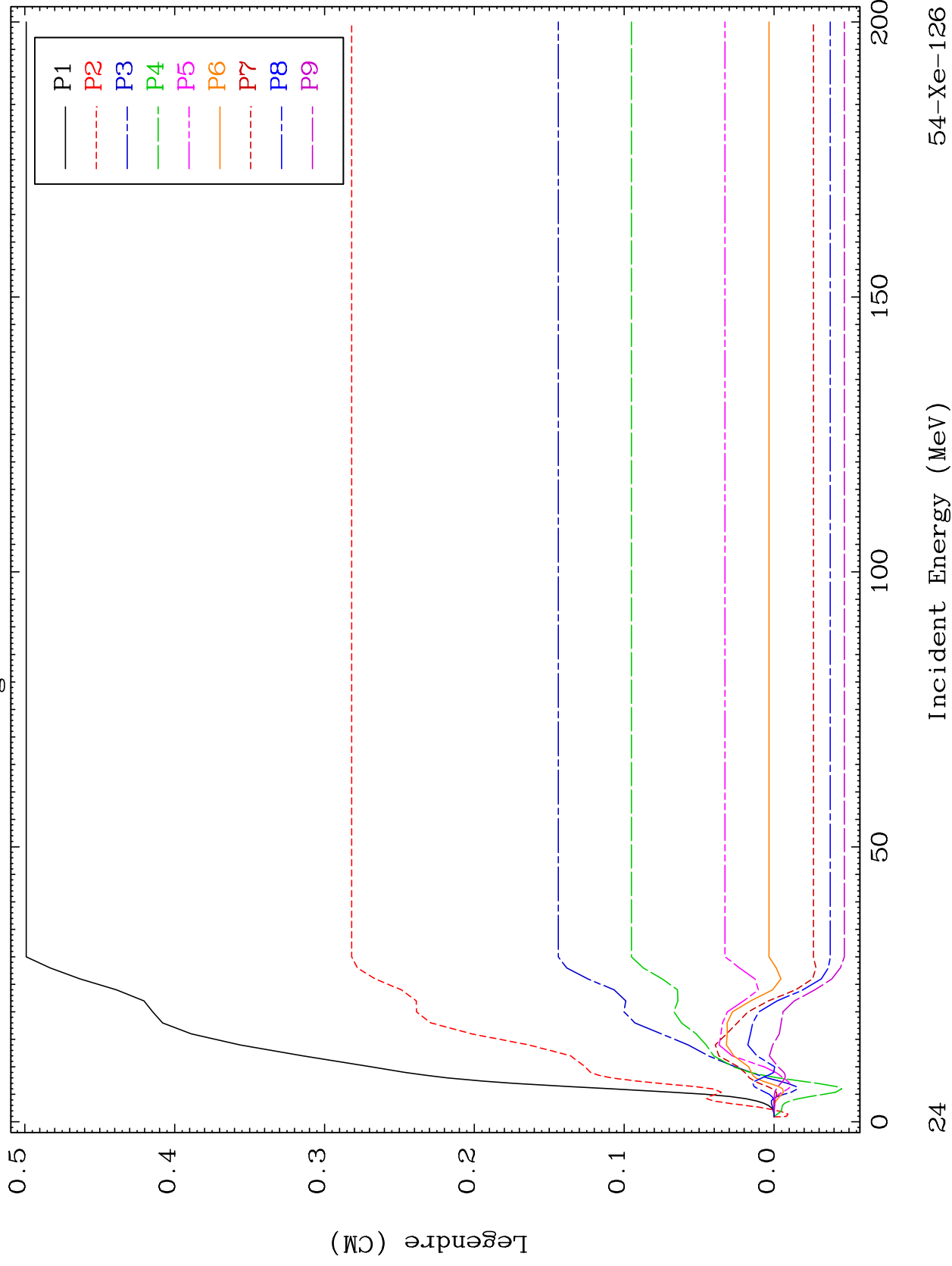




MAT 5431

879.9 keV (n, n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

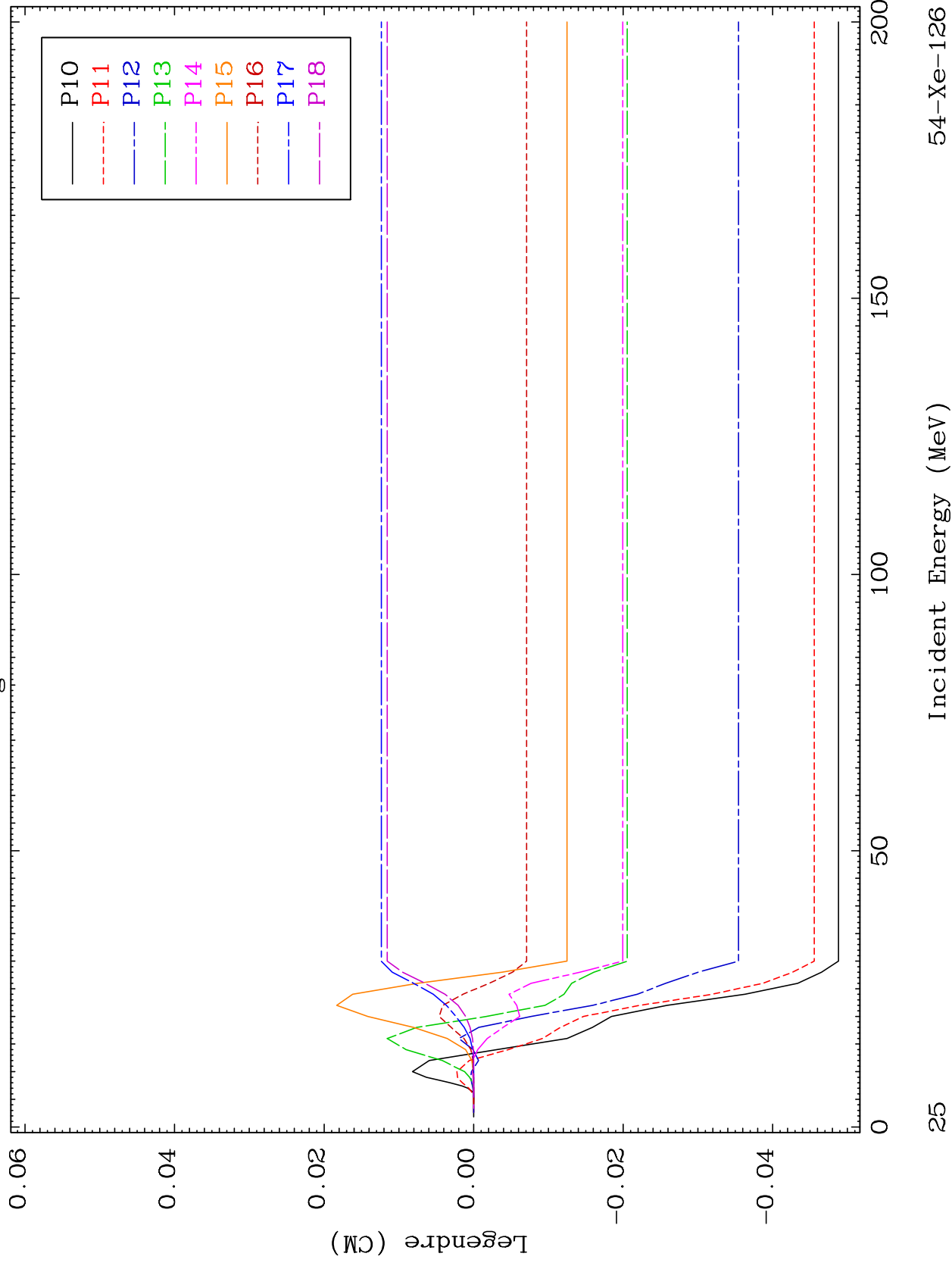
Incident Energy (MeV)

24

MAT 5431

879.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

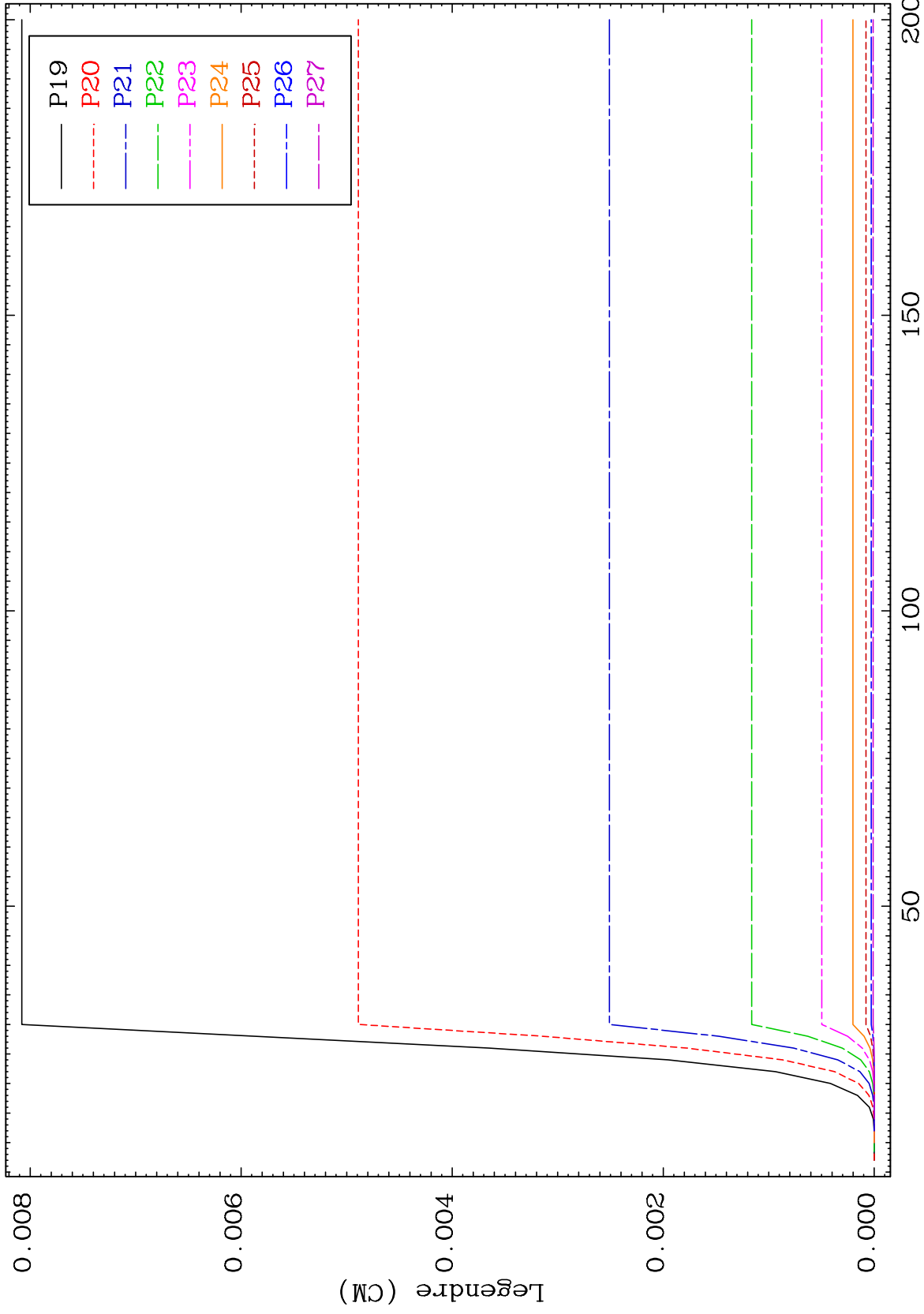
Incident Energy (MeV)

25

MAT 5431

879.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-126



26

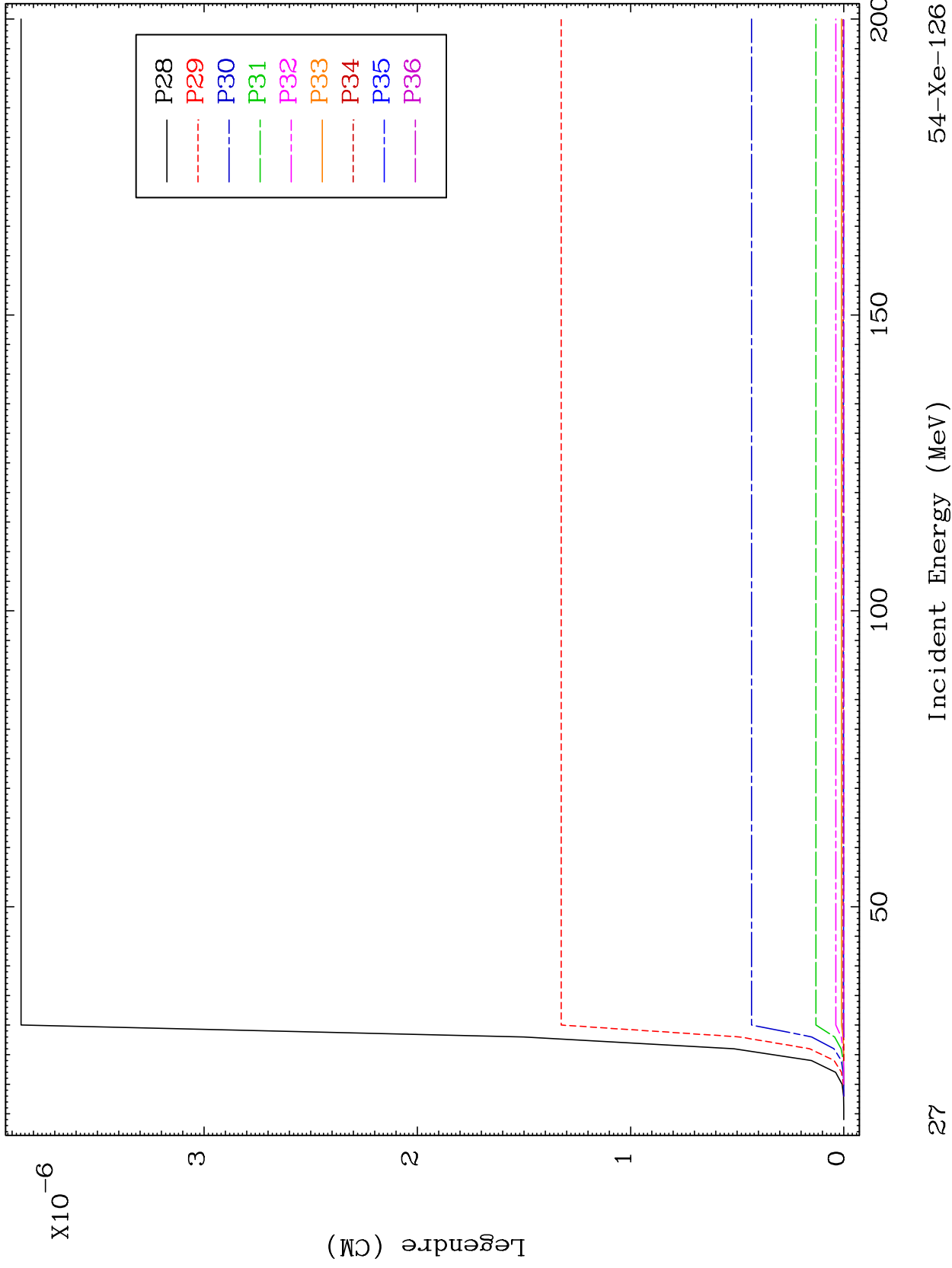
Incident Energy (MeV)

54-Xe-126

MAT 5431

879.9 keV (n,n') Level  
Legendre Coefficients

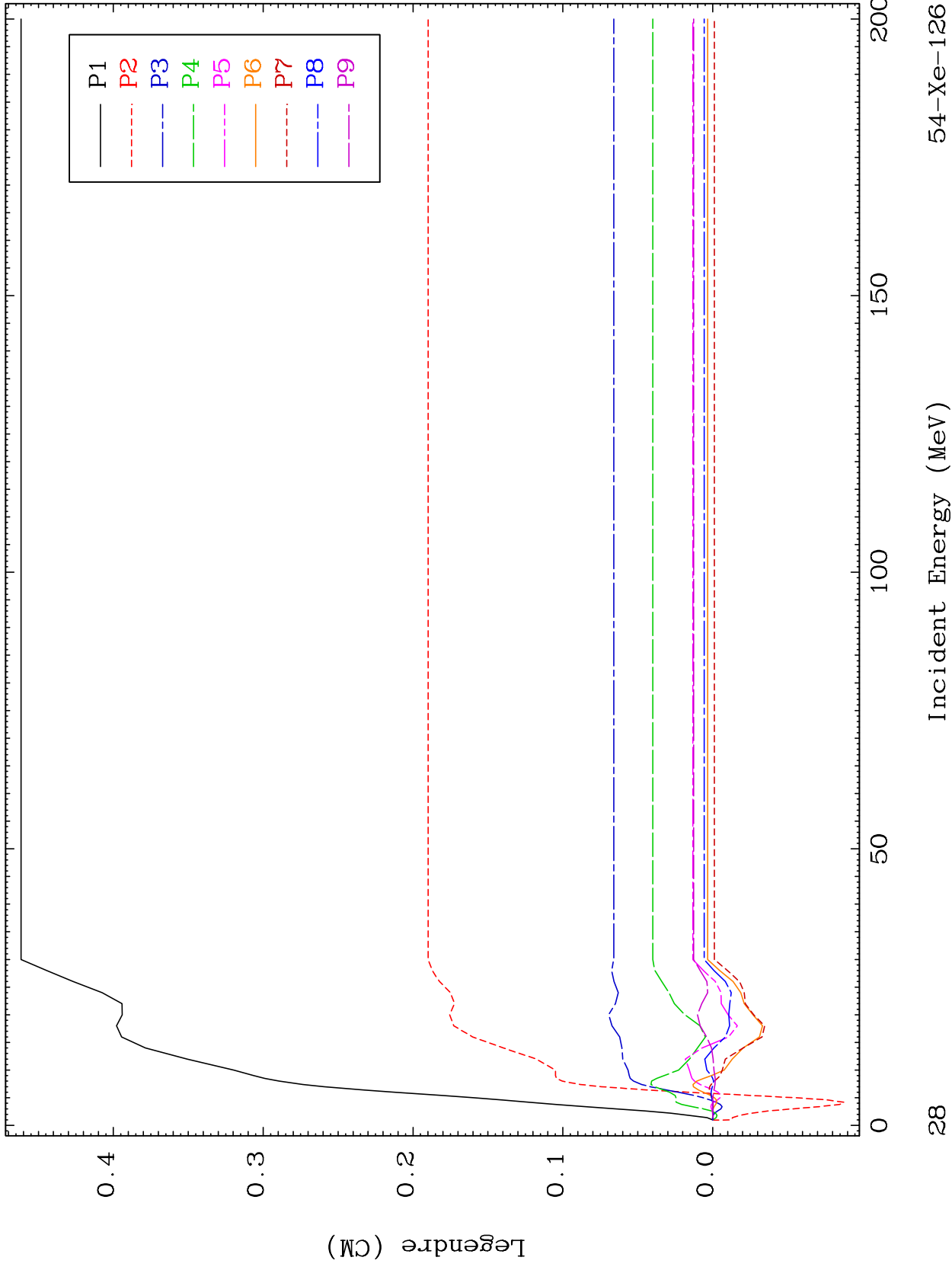
54-Xe-126



MAT 5431

942.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

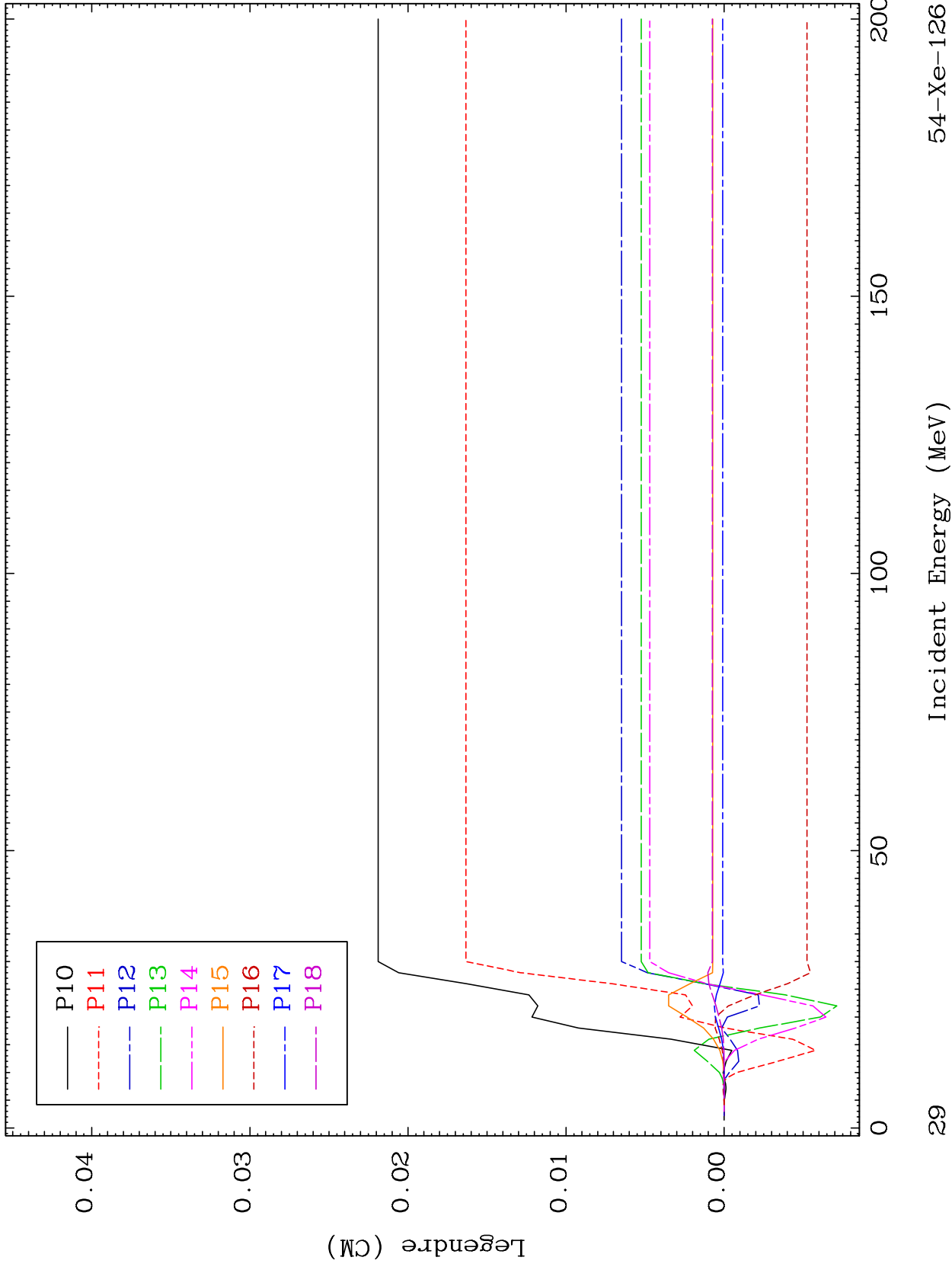
Incident Energy (MeV)

28

MAT 5431

942.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

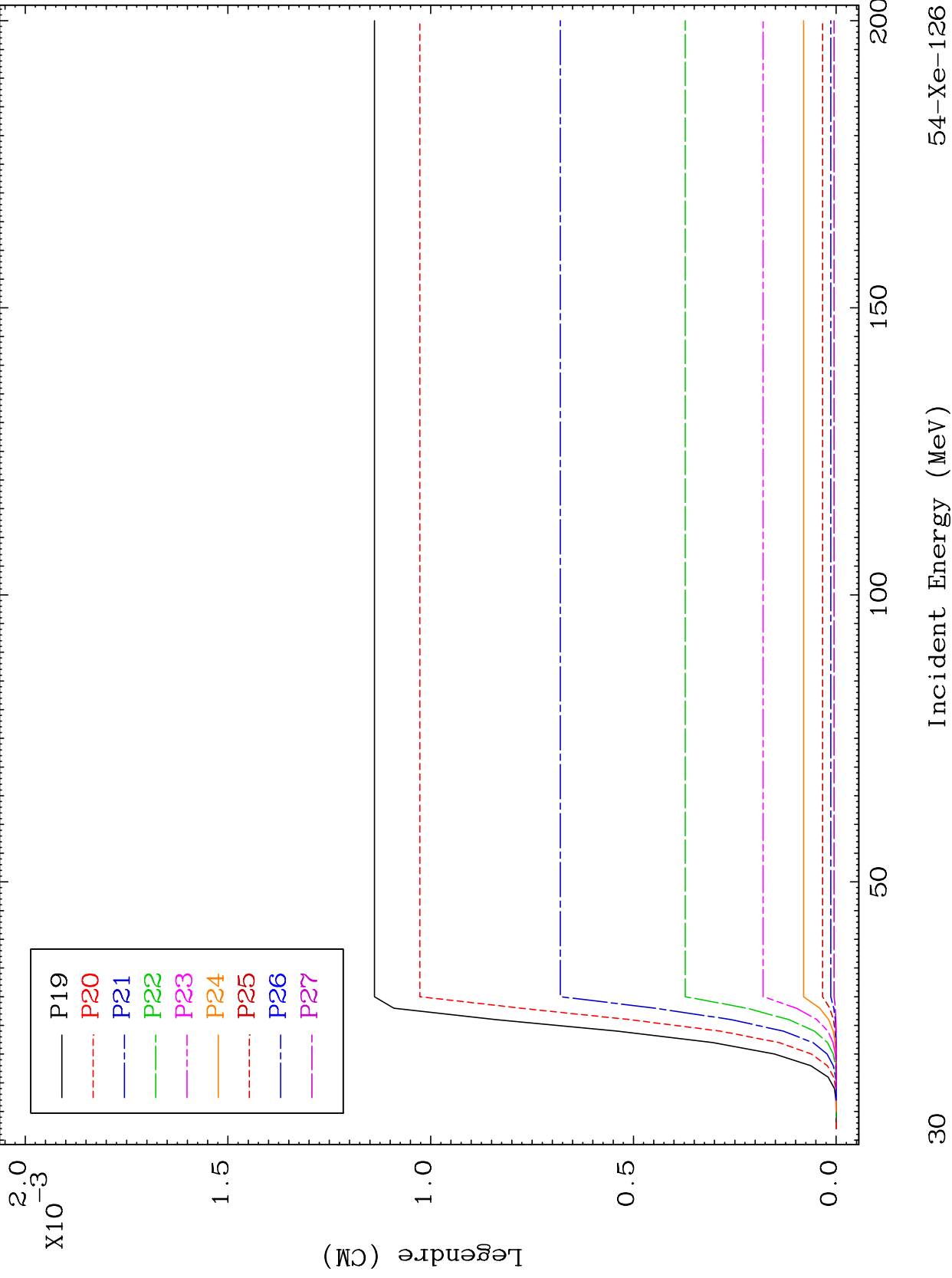
Incident Energy (MeV)

29

MAT 5431

942.0 keV (n,n') Level  
Legendre Coefficients

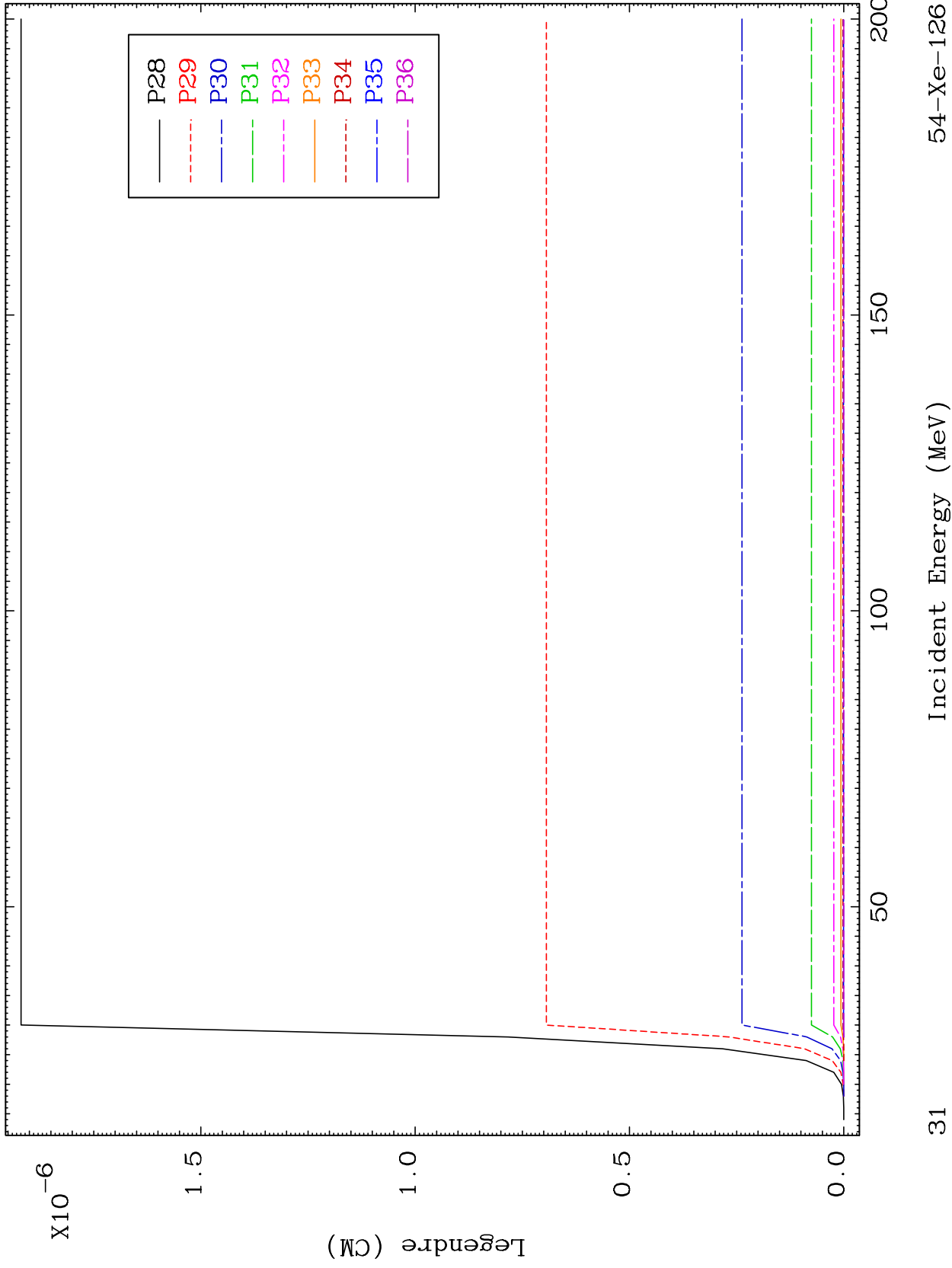
54-Xe-126



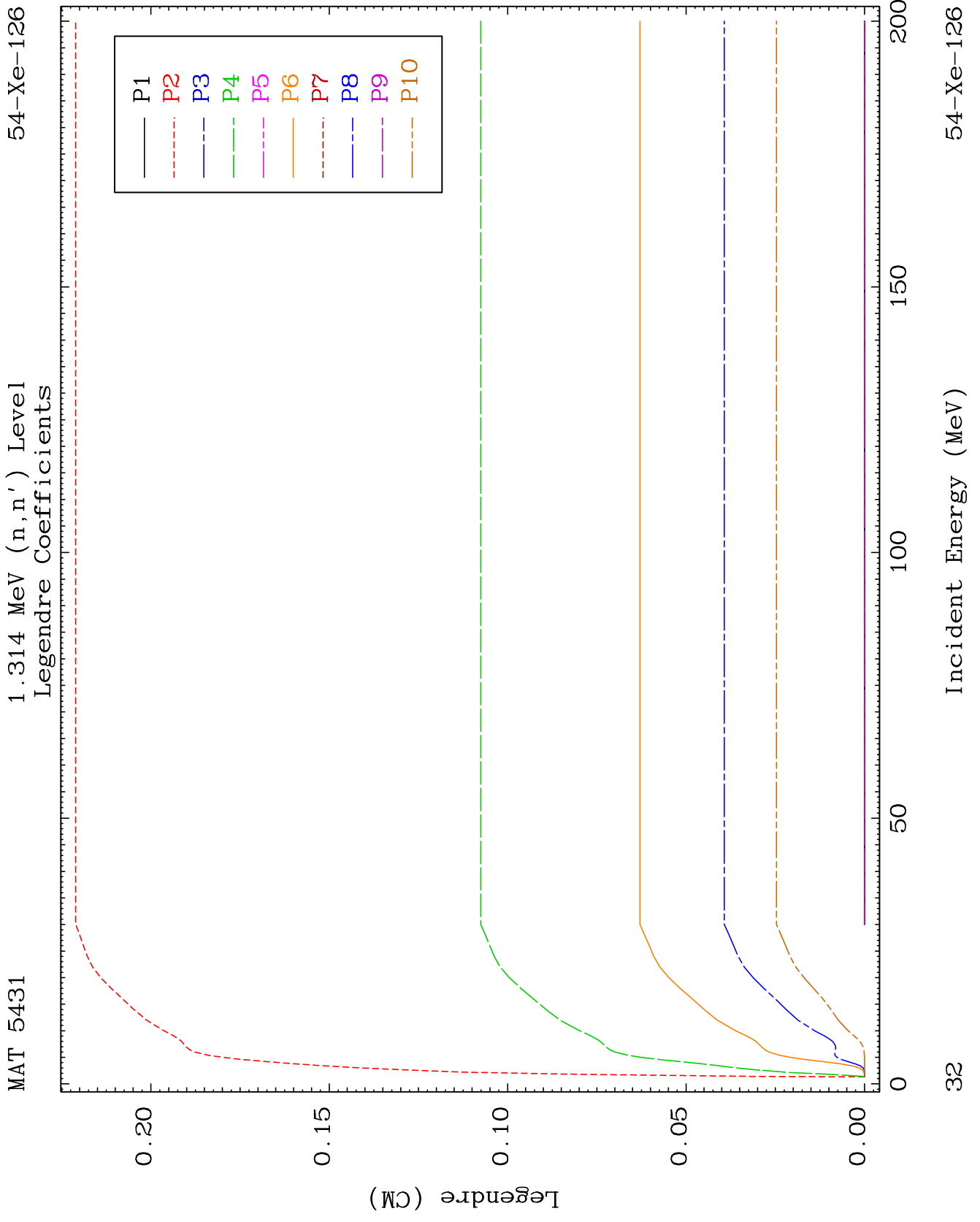
MAT 5431

942.0 keV (n,n') Level  
Legendre Coefficients

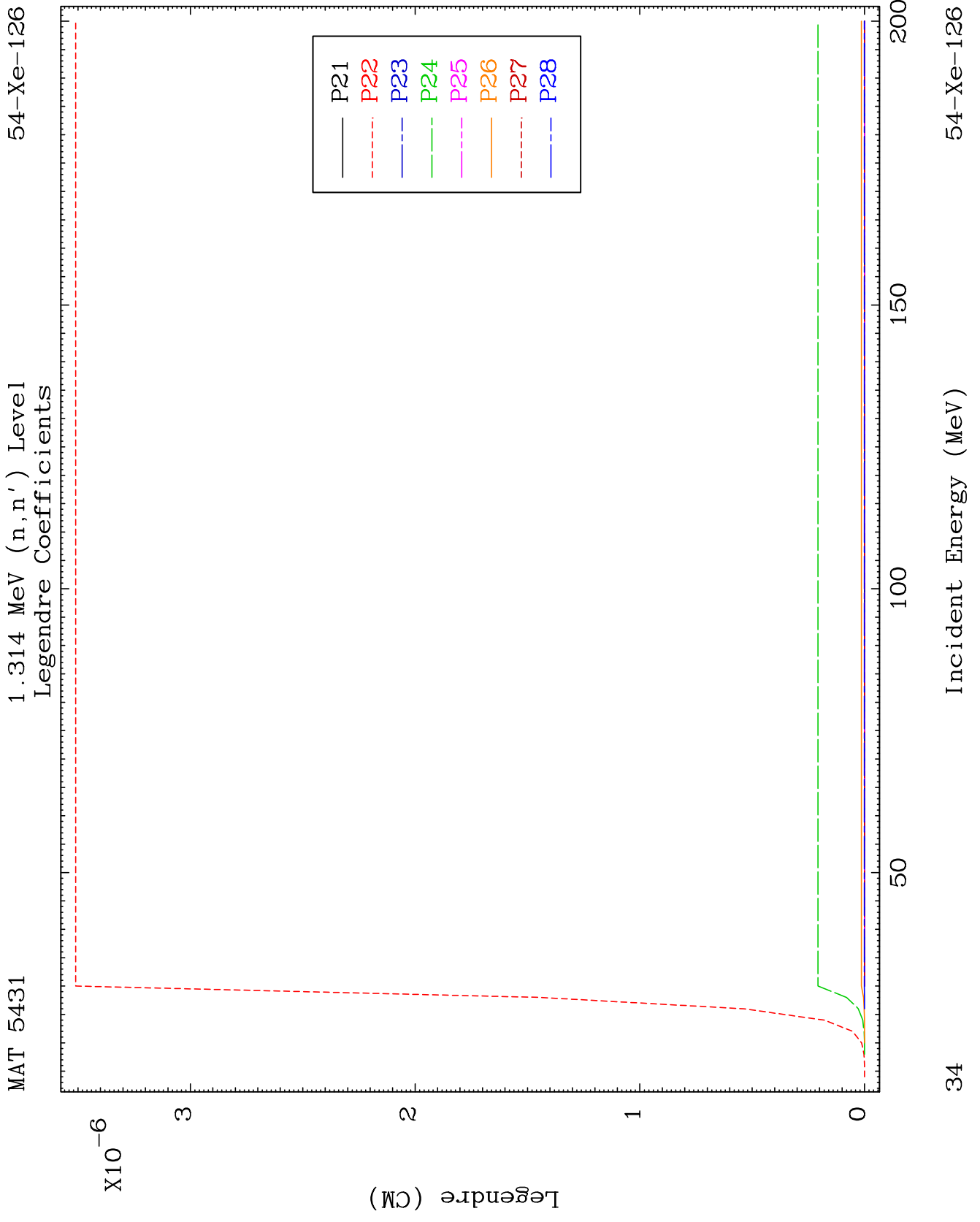
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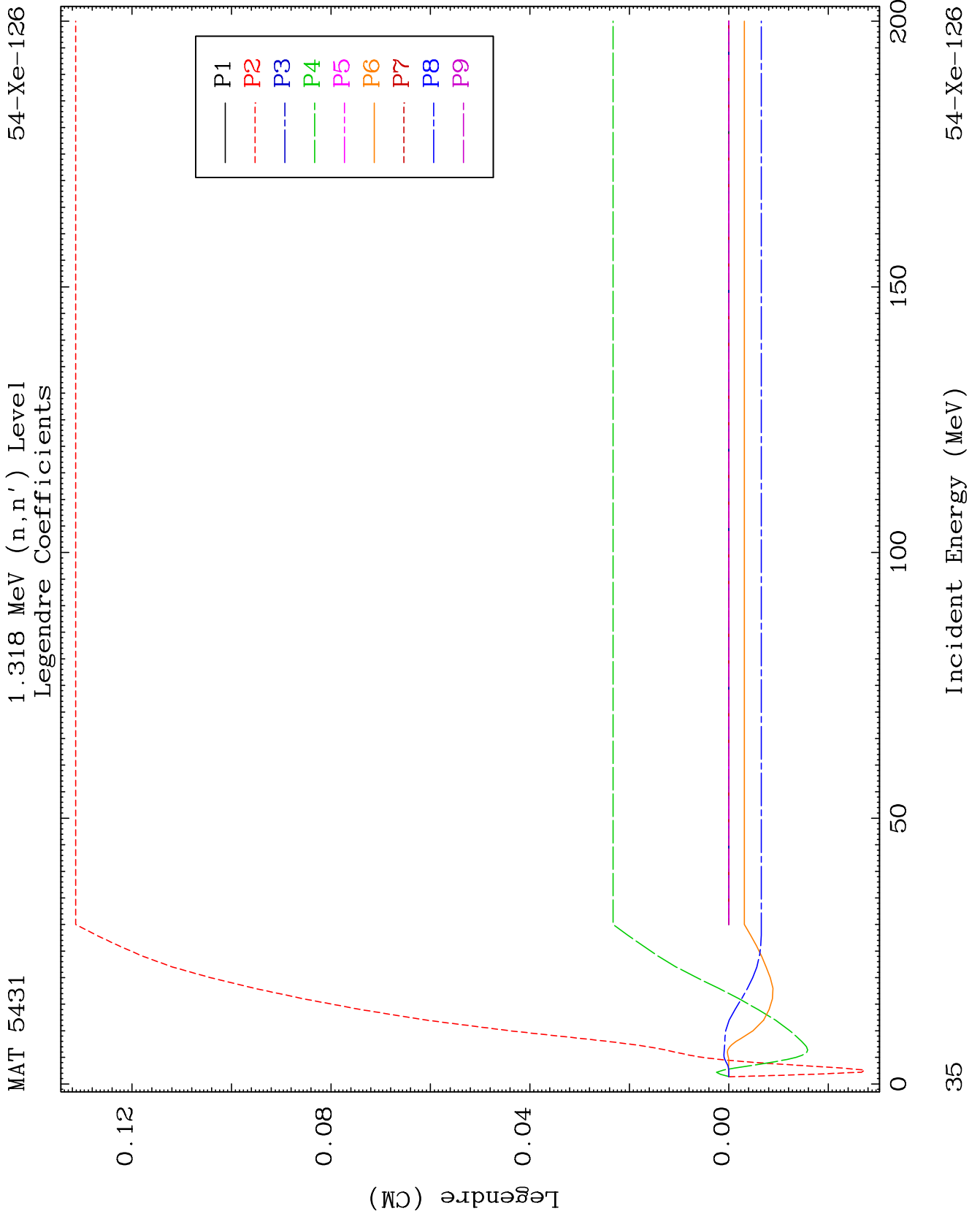








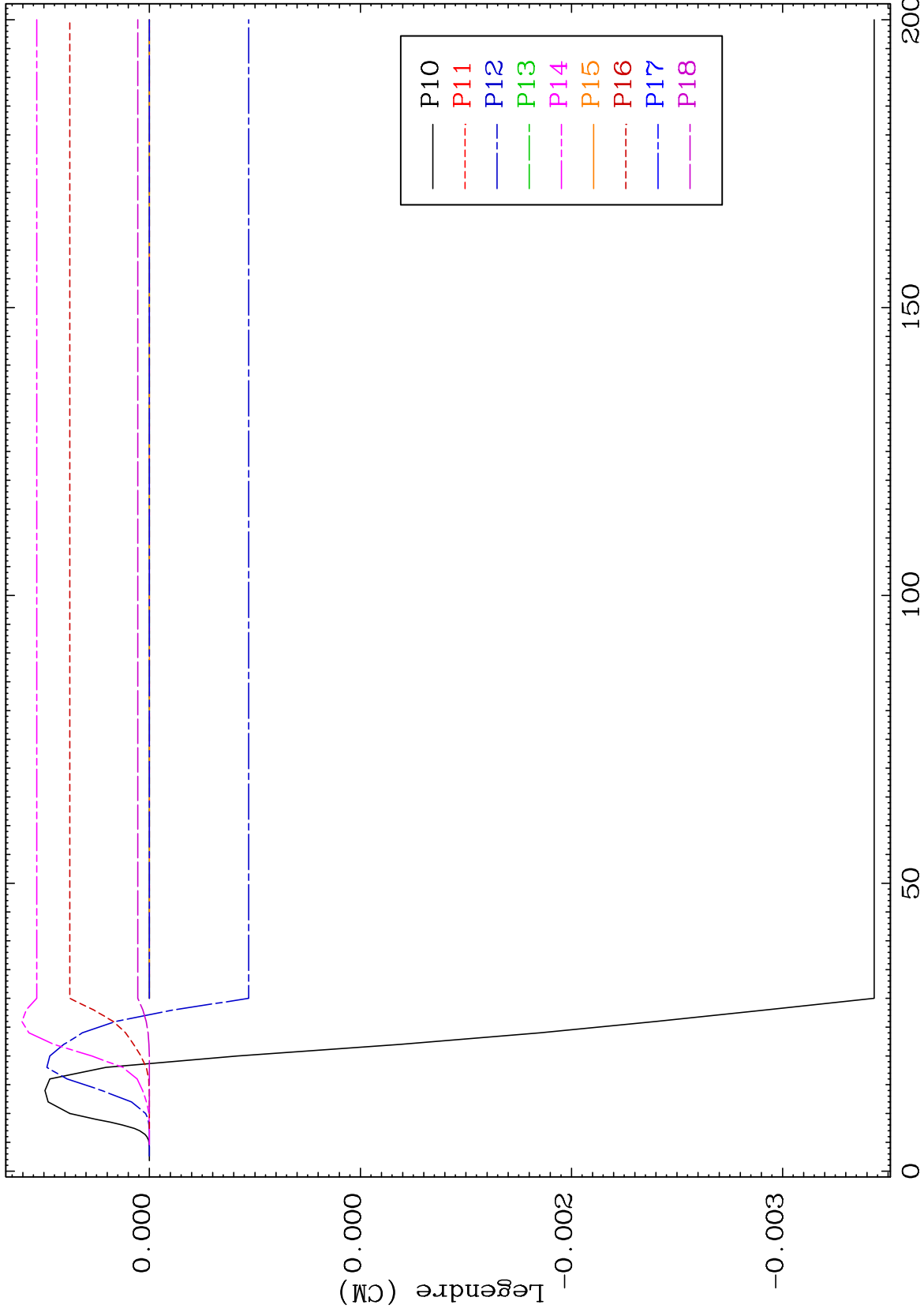




MAT 5431

1.318 MeV (n,n') Level  
Legendre Coefficients

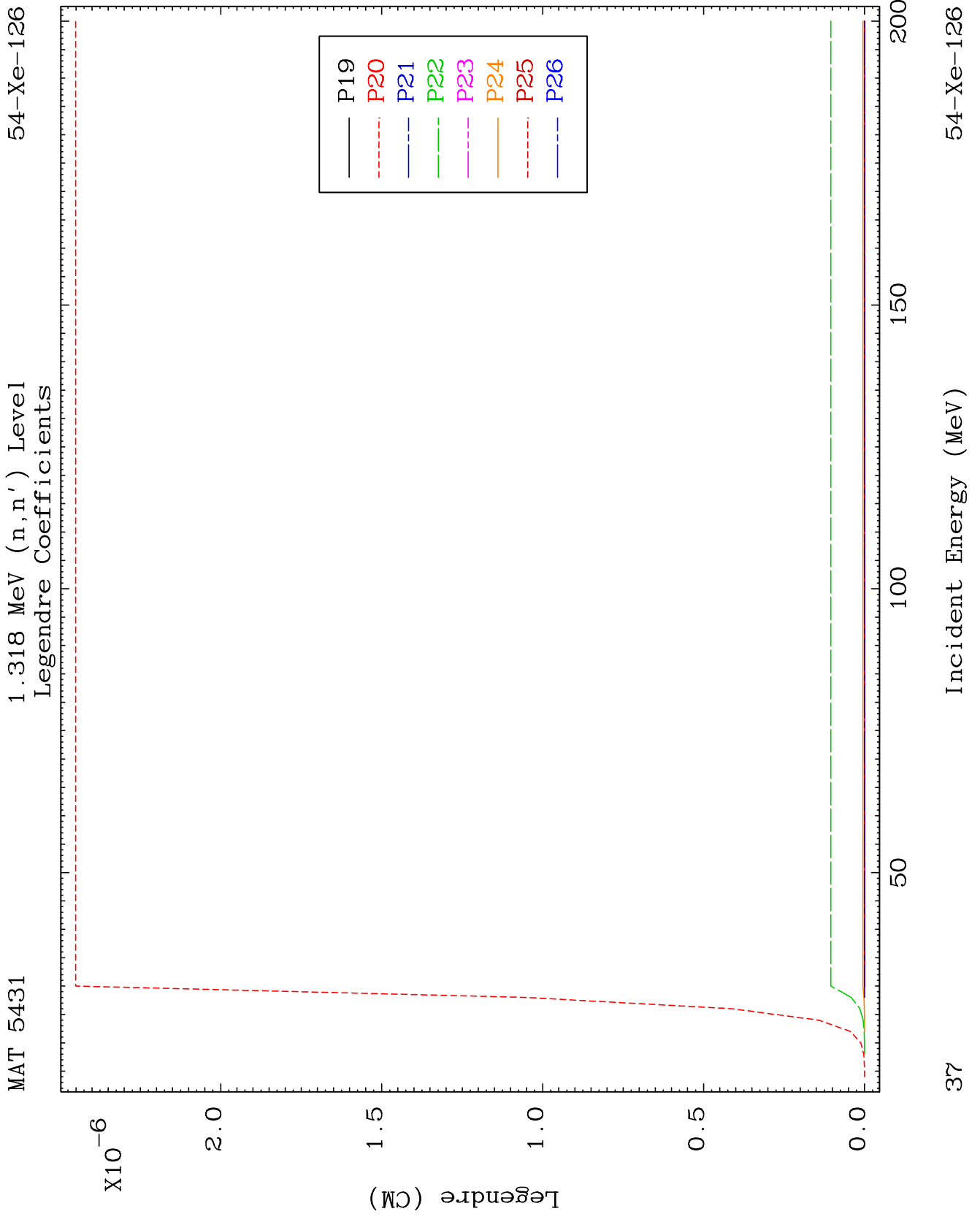
54-Xe-126



36

Incident Energy (MeV)

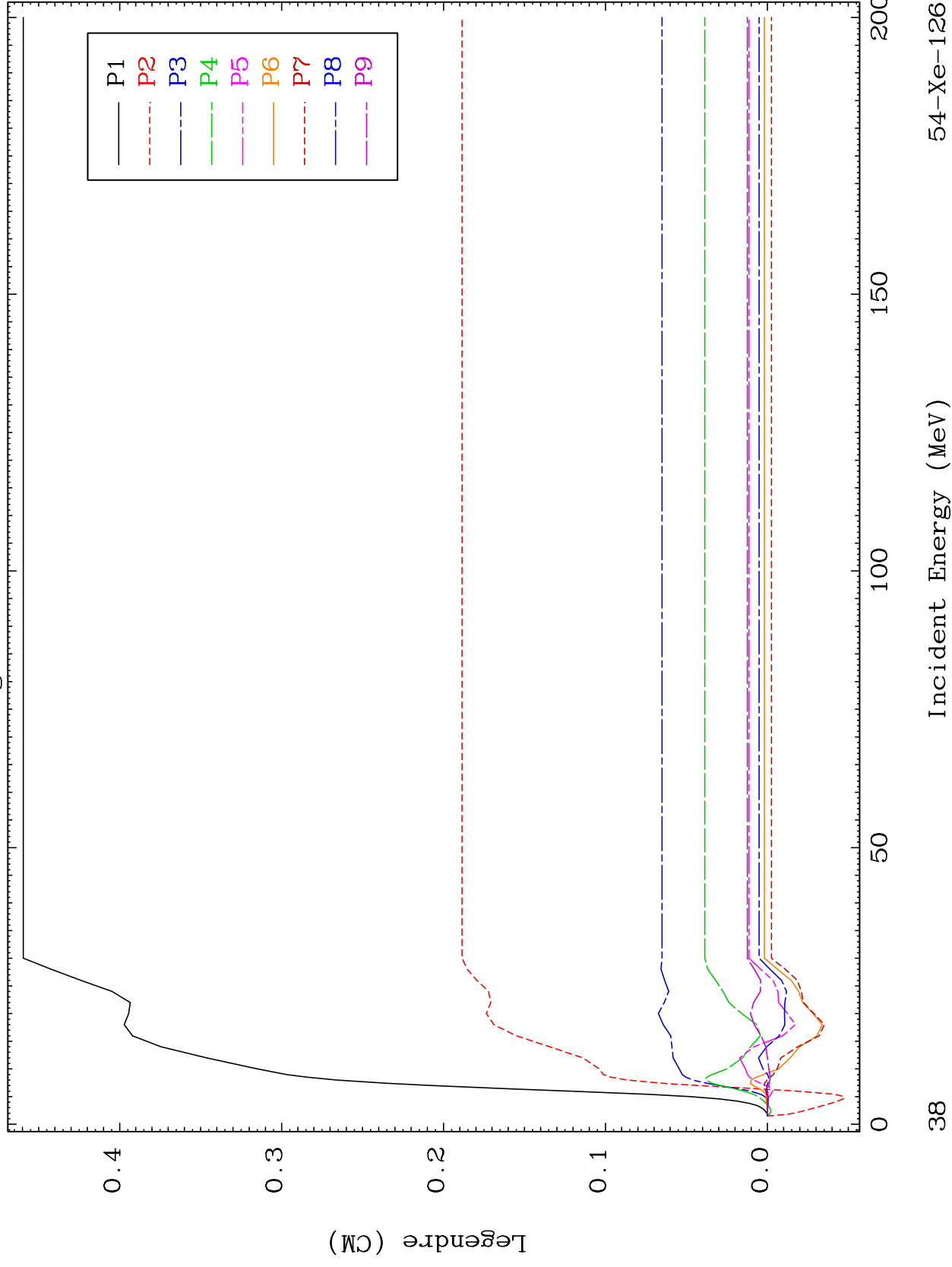
54-Xe-126



MAT 5431

1.488 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

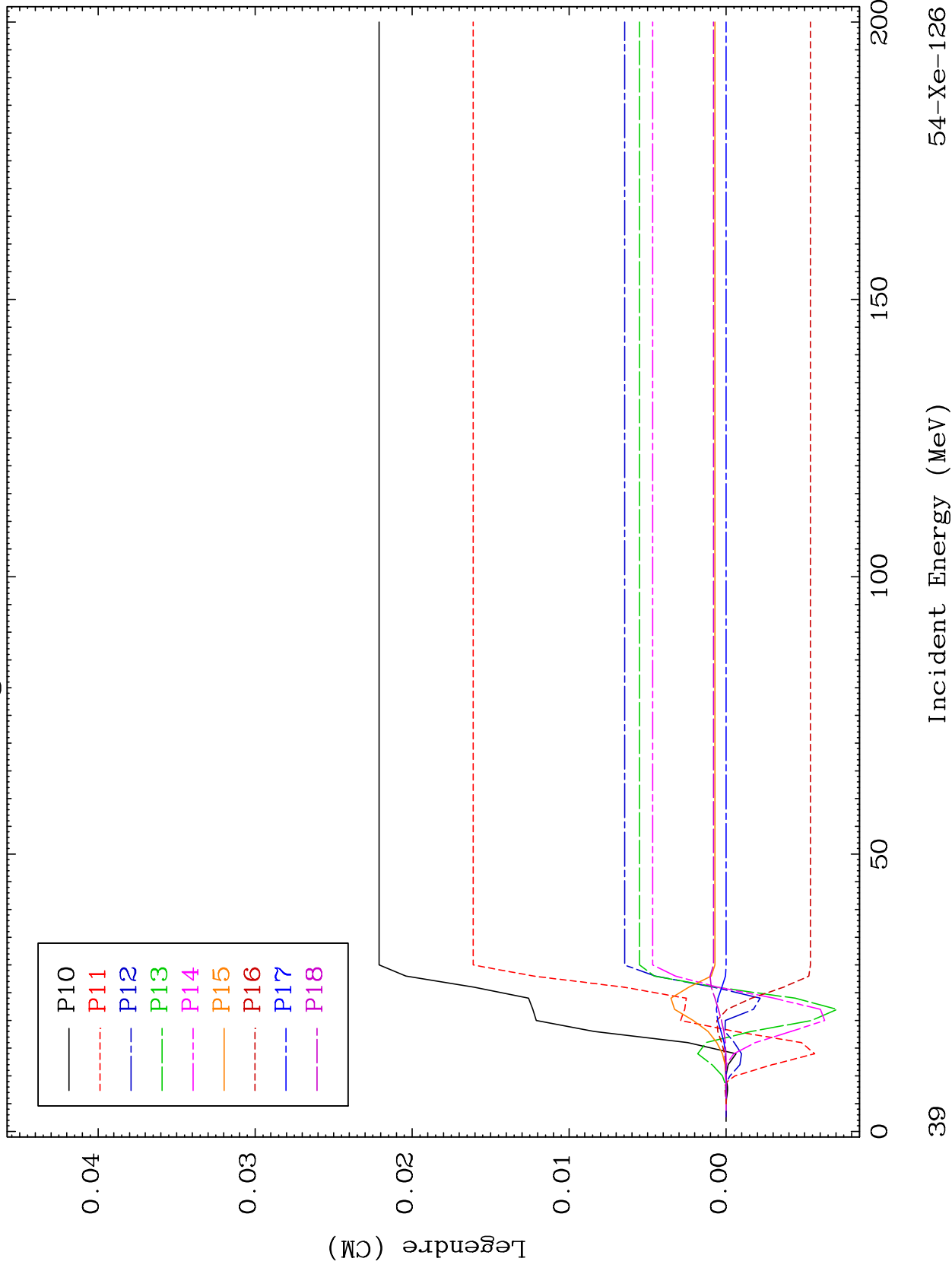
Incident Energy (MeV)

38

MAT 5431

1.488 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



39

Incident Energy (MeV)

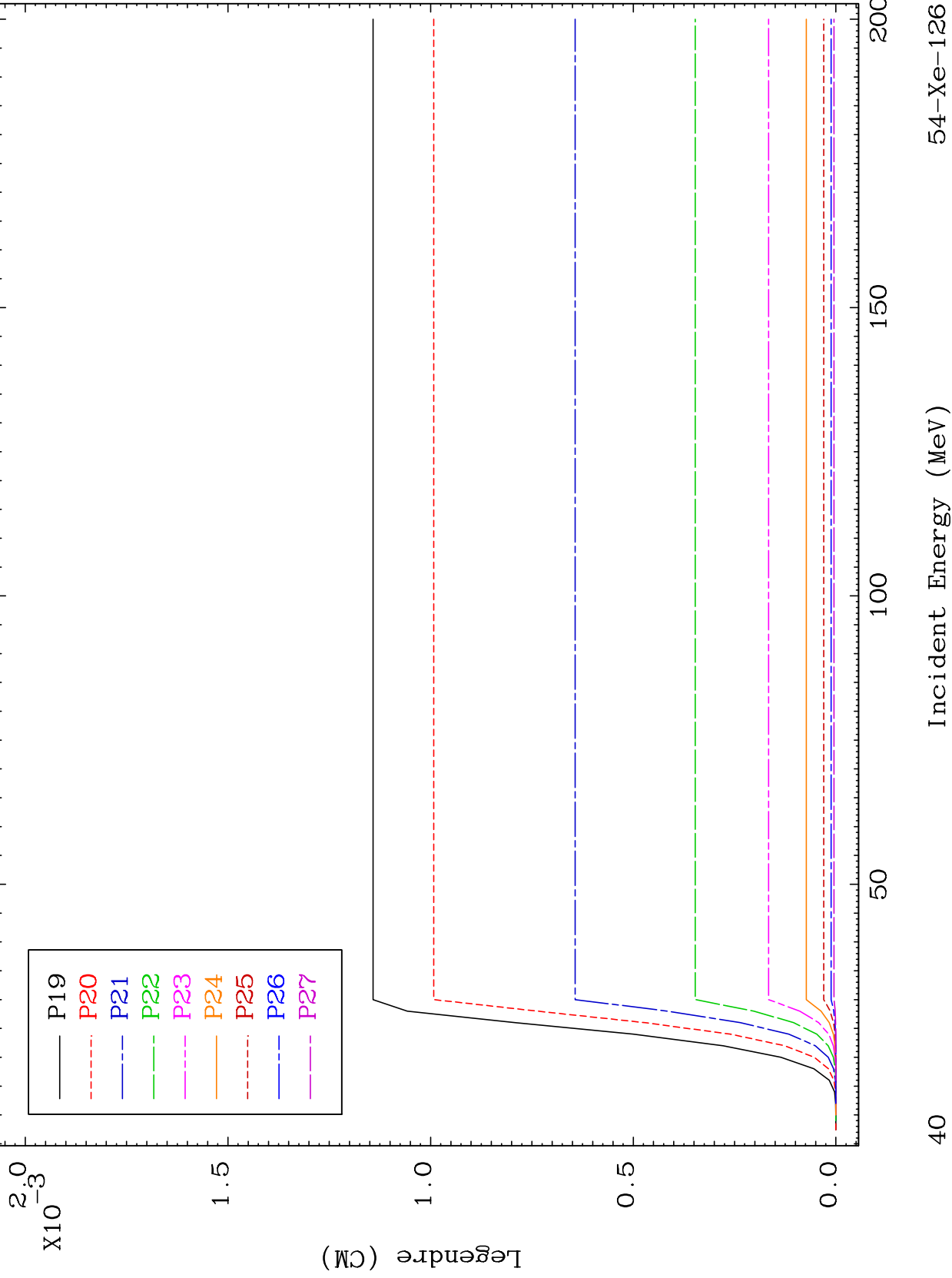
54-Xe-126



MAT 5431

1.488 MeV (n,n') Level  
Legendre Coefficients

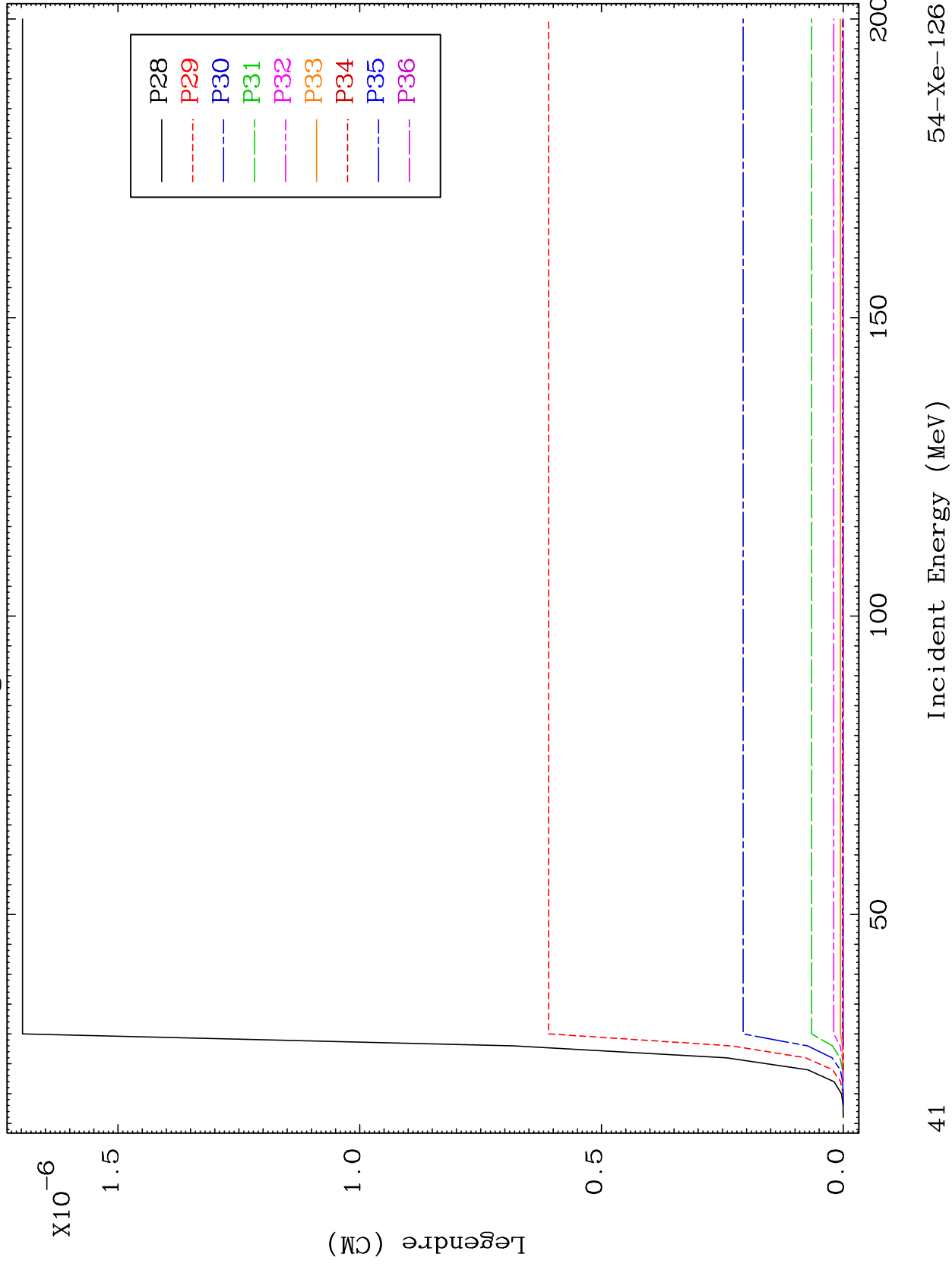
54-Xe-126



MAT 5431

1.488 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



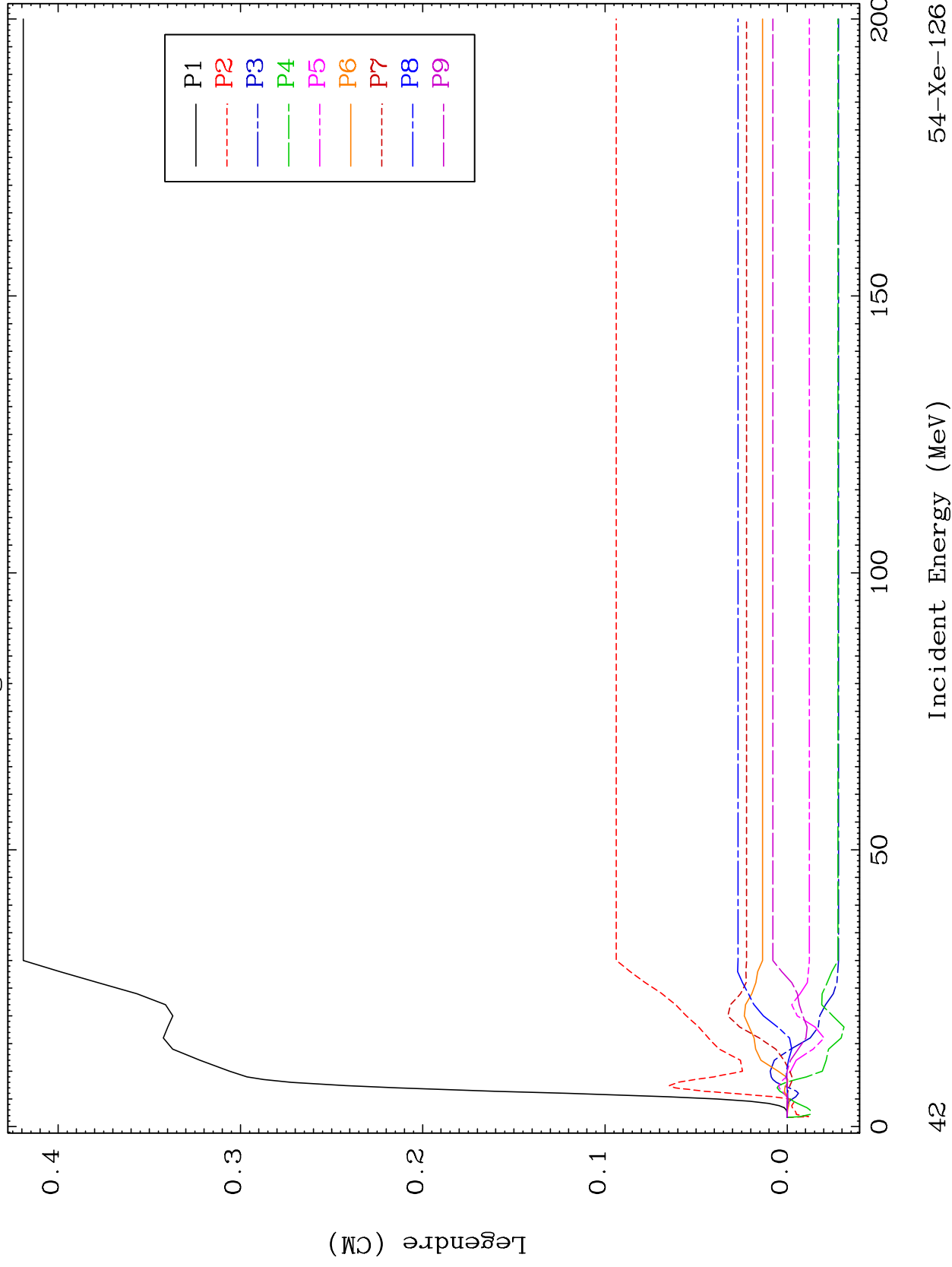
41

54-Xe-126

MAT 5431

1.635 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

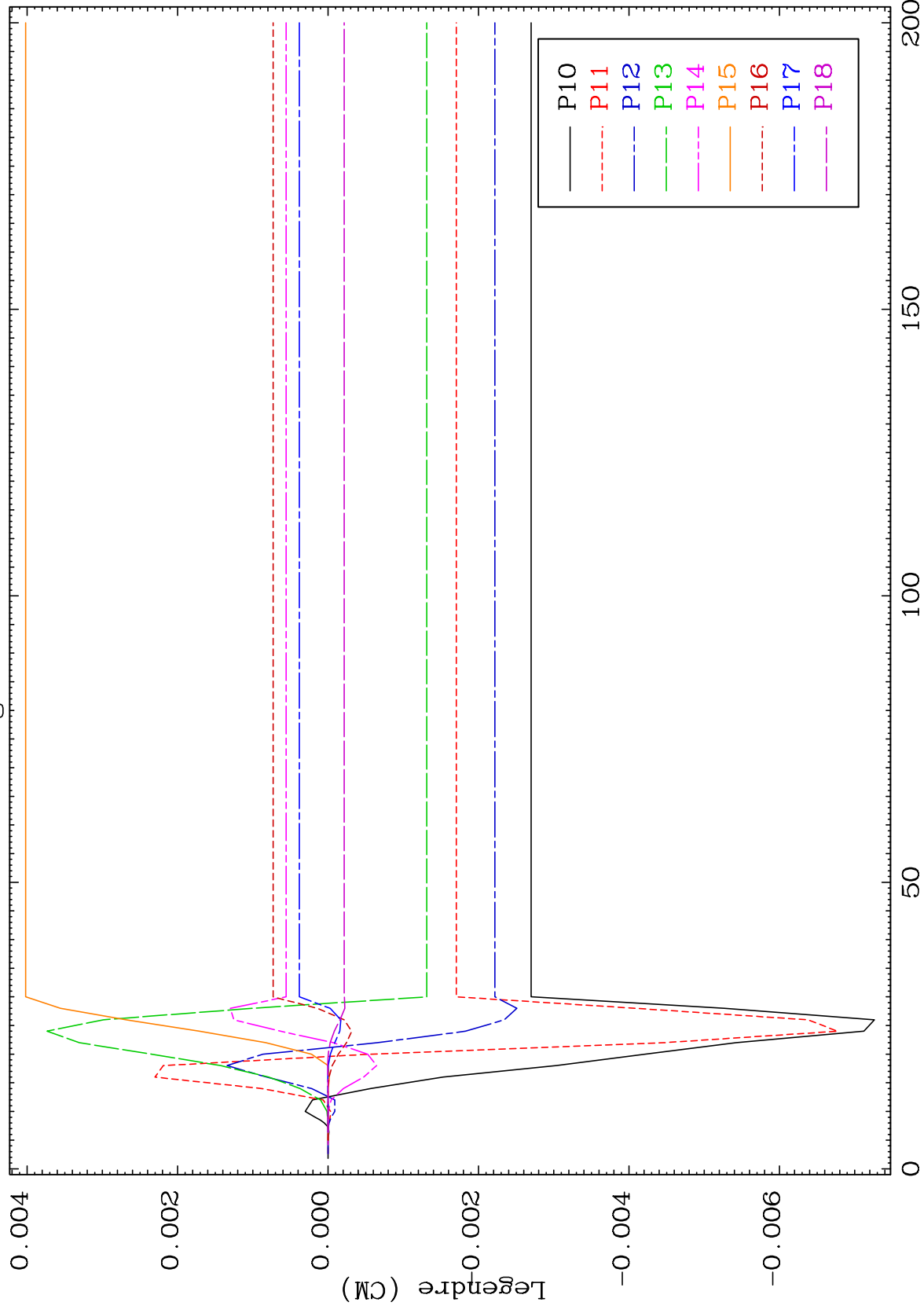
Incident Energy (MeV)

42

MAT 5431

1.635 MeV (n,n') Level  
Legendre Coefficients

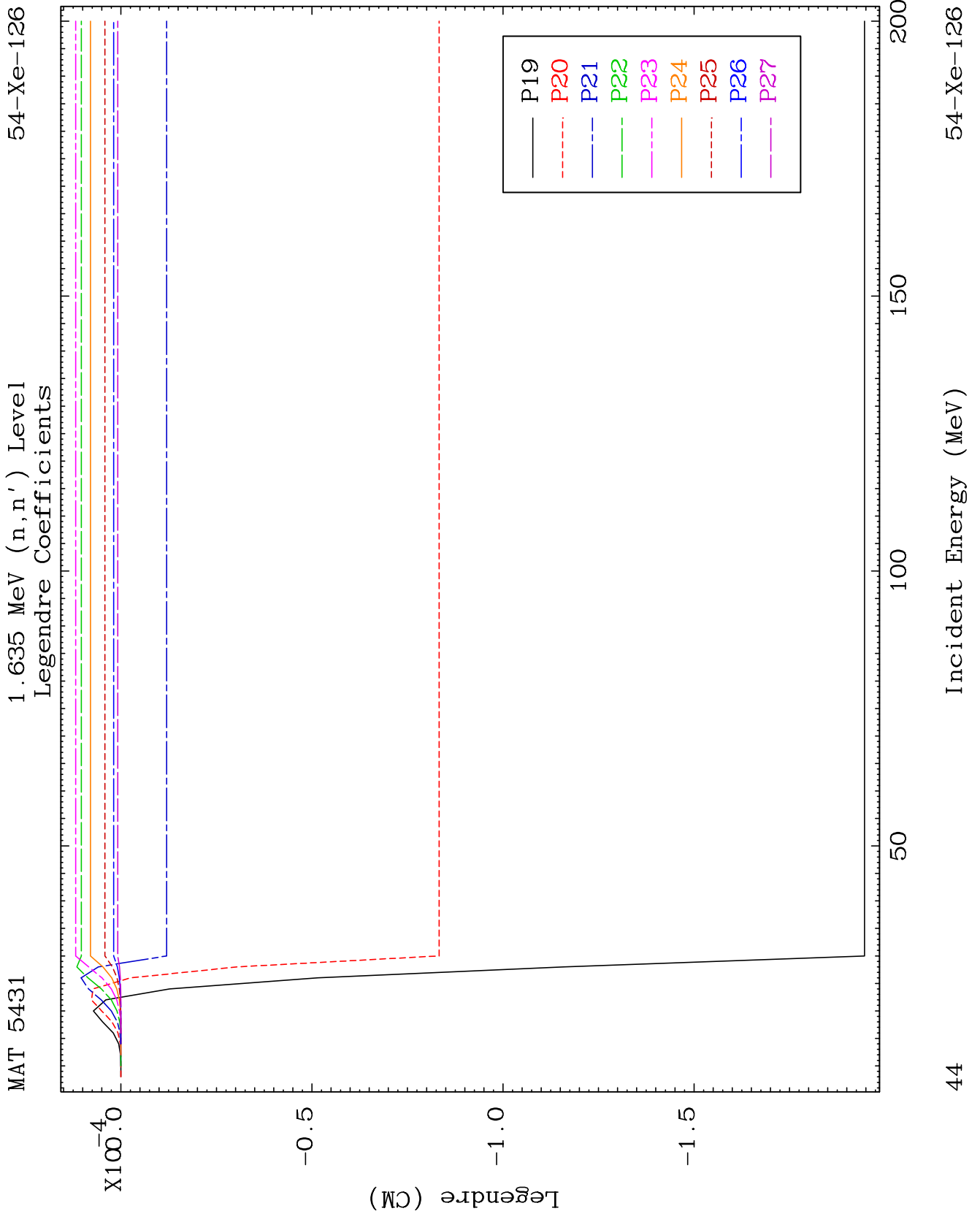
54-Xe-126



43

Incident Energy (MeV)

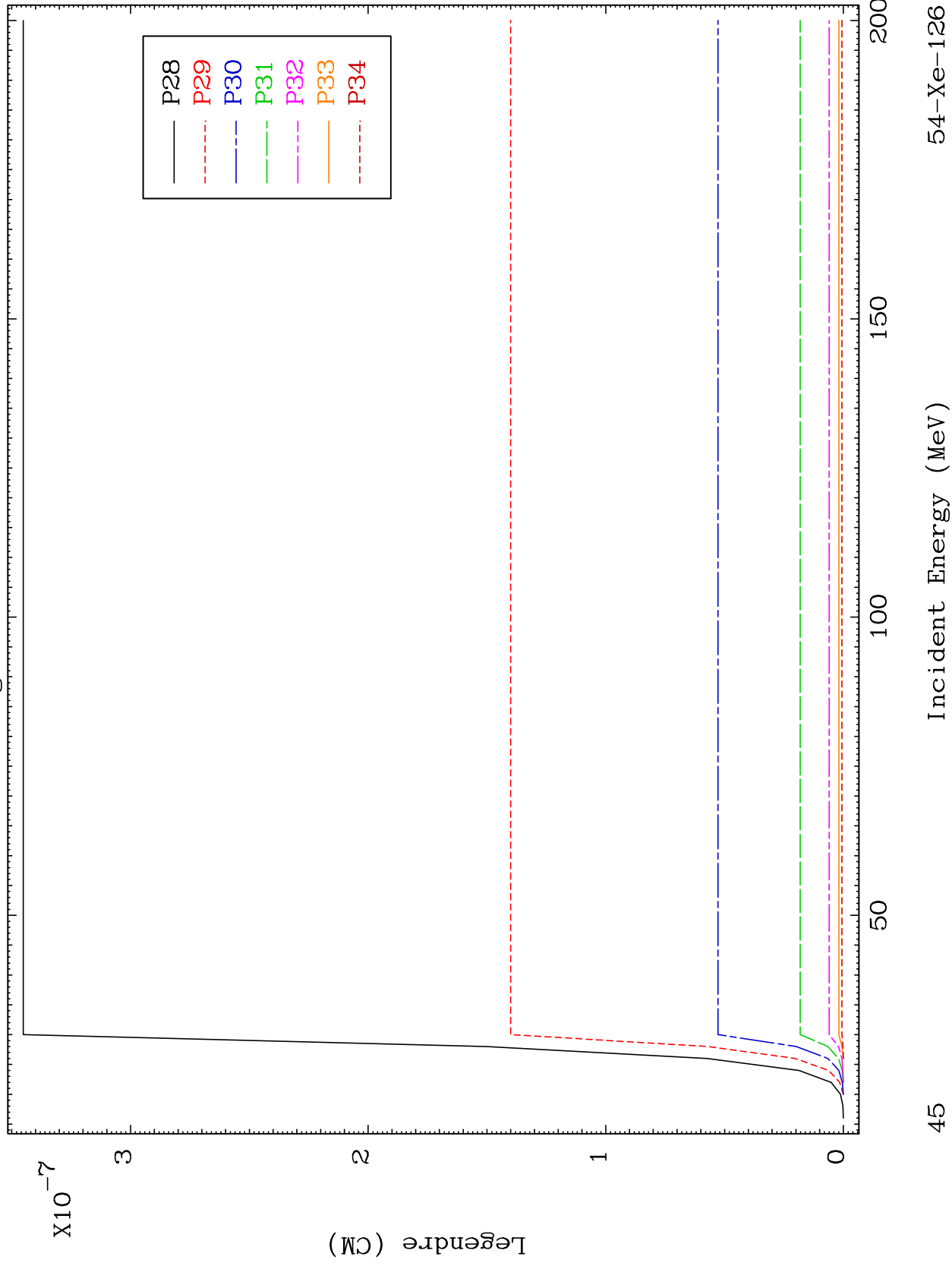
54-Xe-126



MAT 5431

1.635 MeV (n,n') Level  
Legendre Coefficients

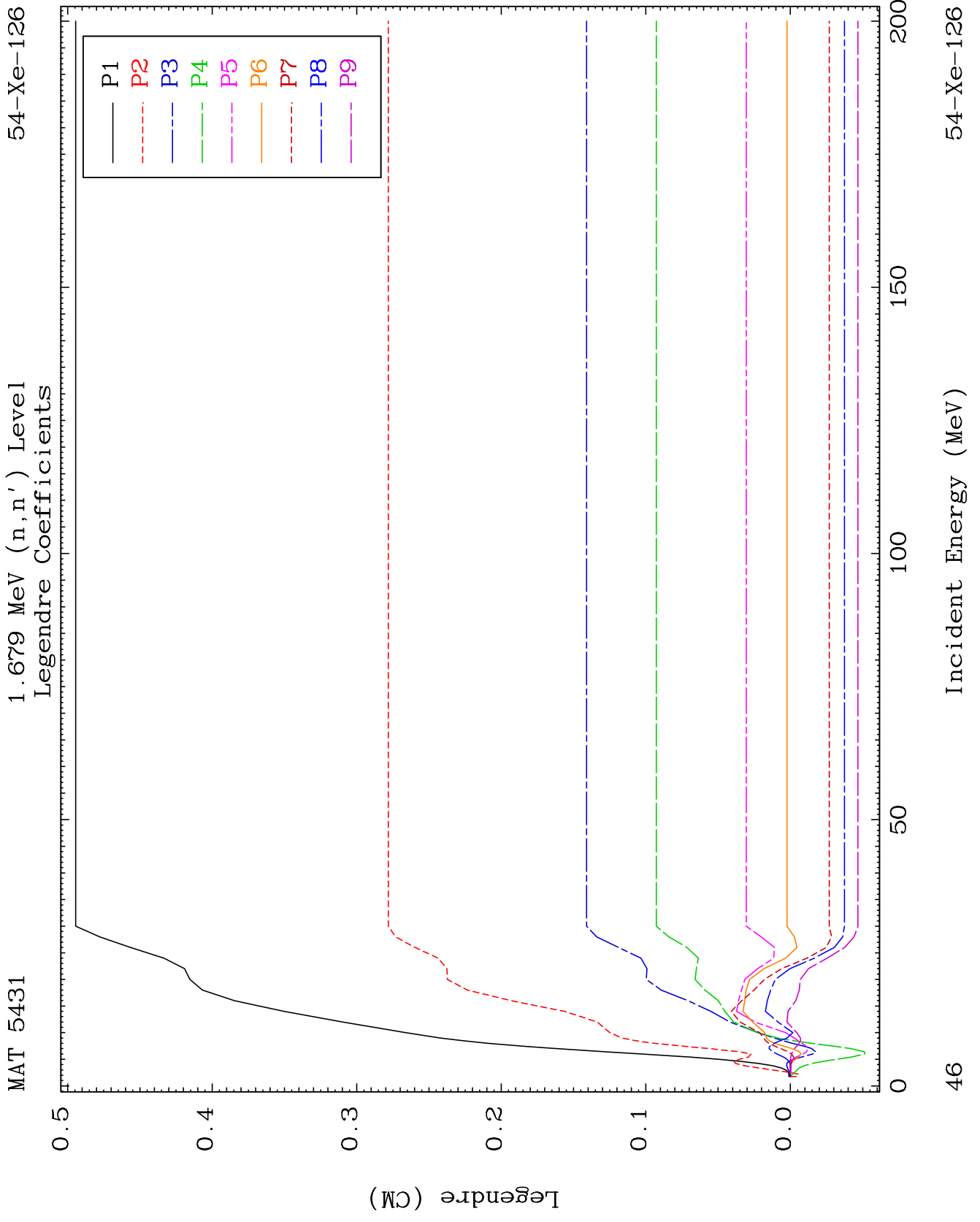
54-Xe-126



54-Xe-126

Incident Energy (MeV)

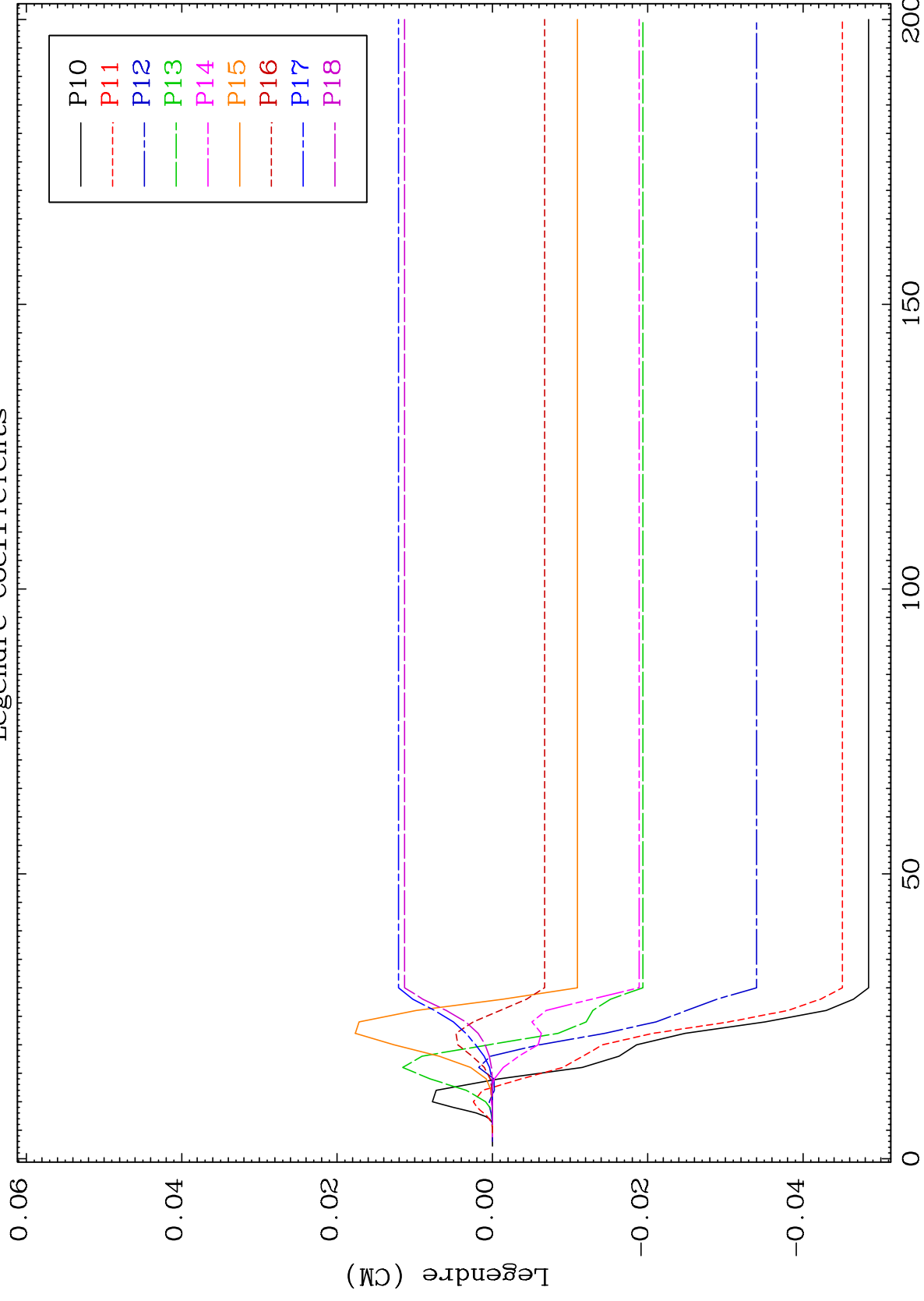
45



MAT 5431

1.679 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



47

Incident Energy (MeV)

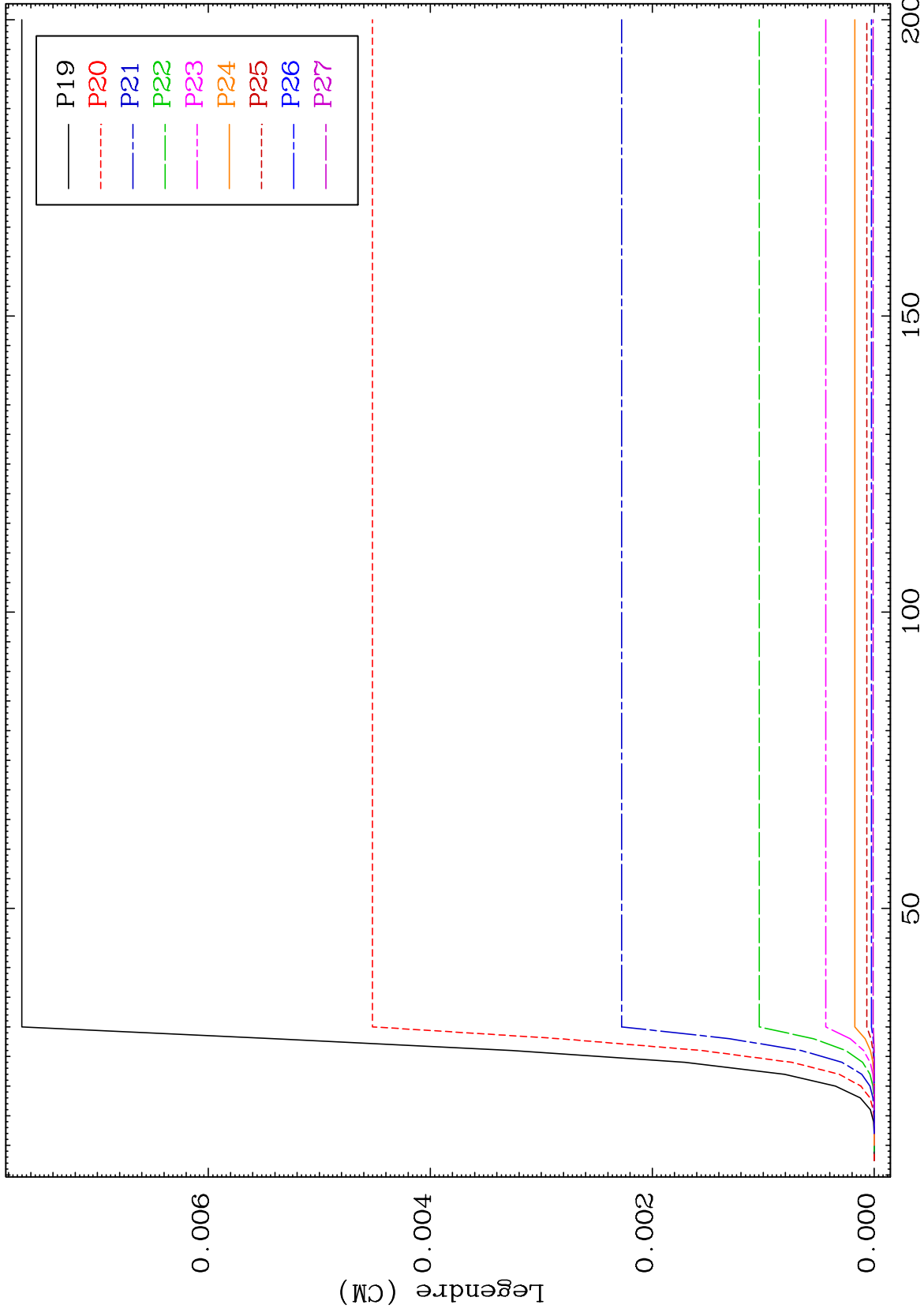
54-Xe-126



MAT 5431

1.679 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



48

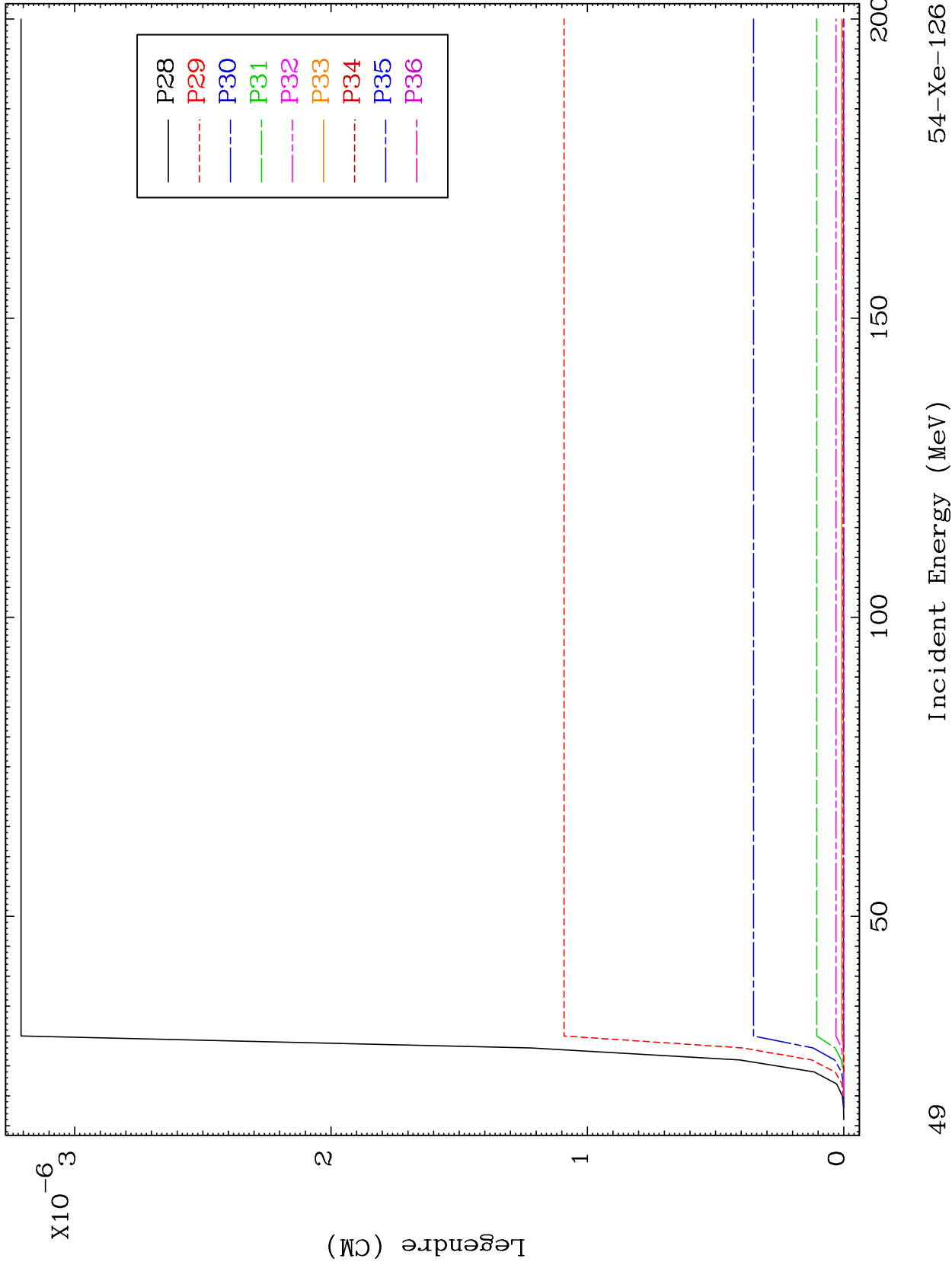
Incident Energy (MeV)

54-Xe-126

MAT 5431

1.679 MeV (n,n') Level  
Legendre Coefficients

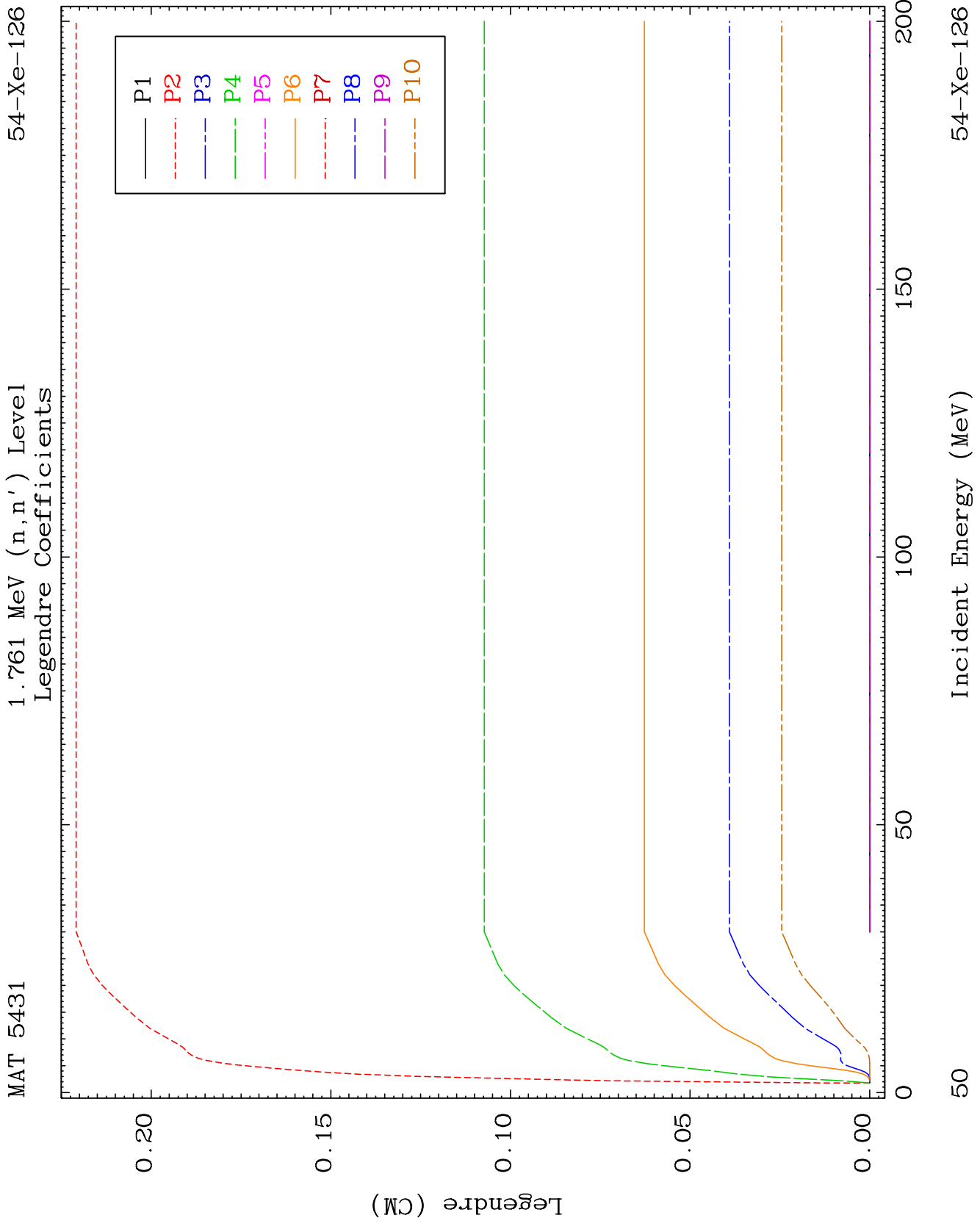
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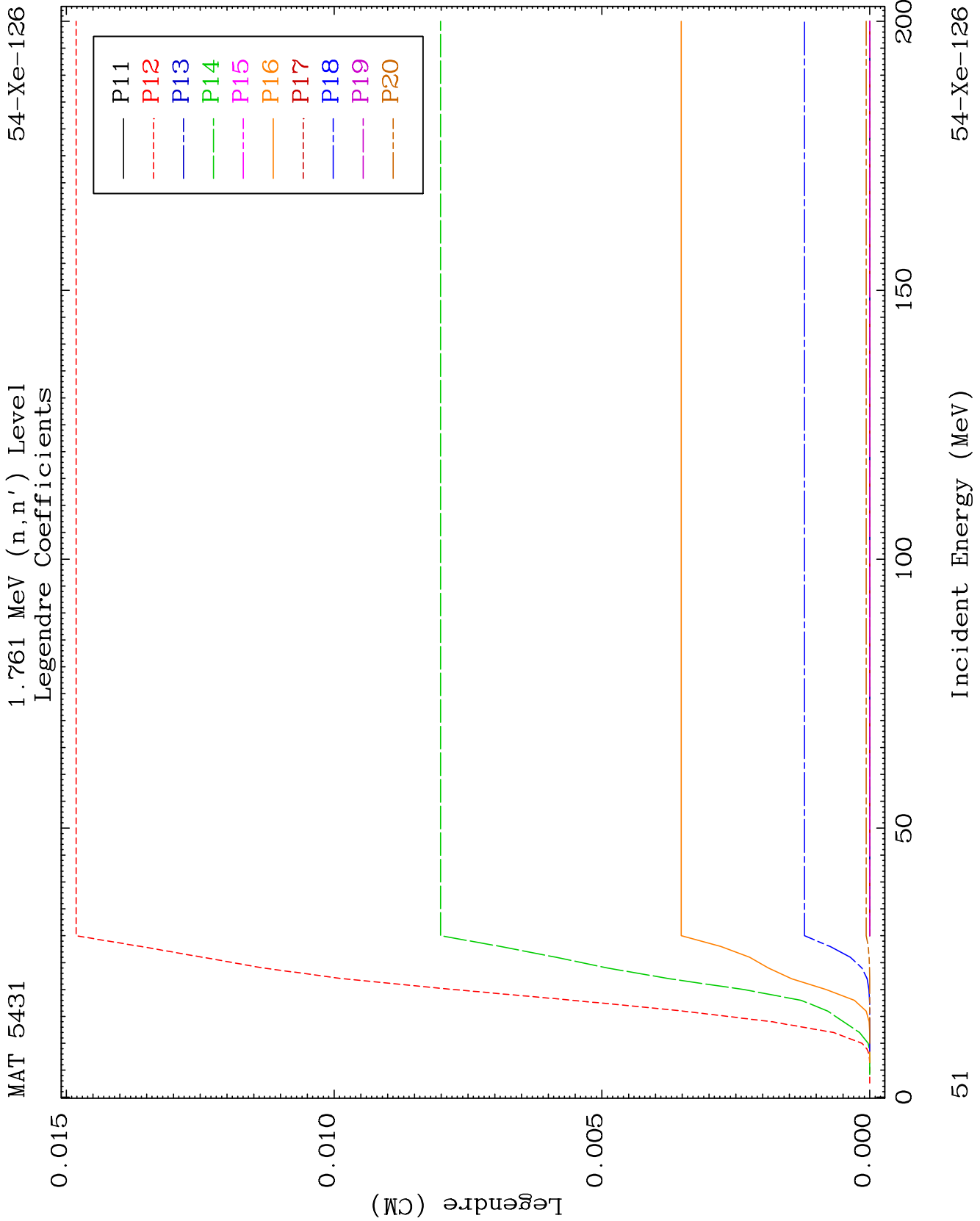


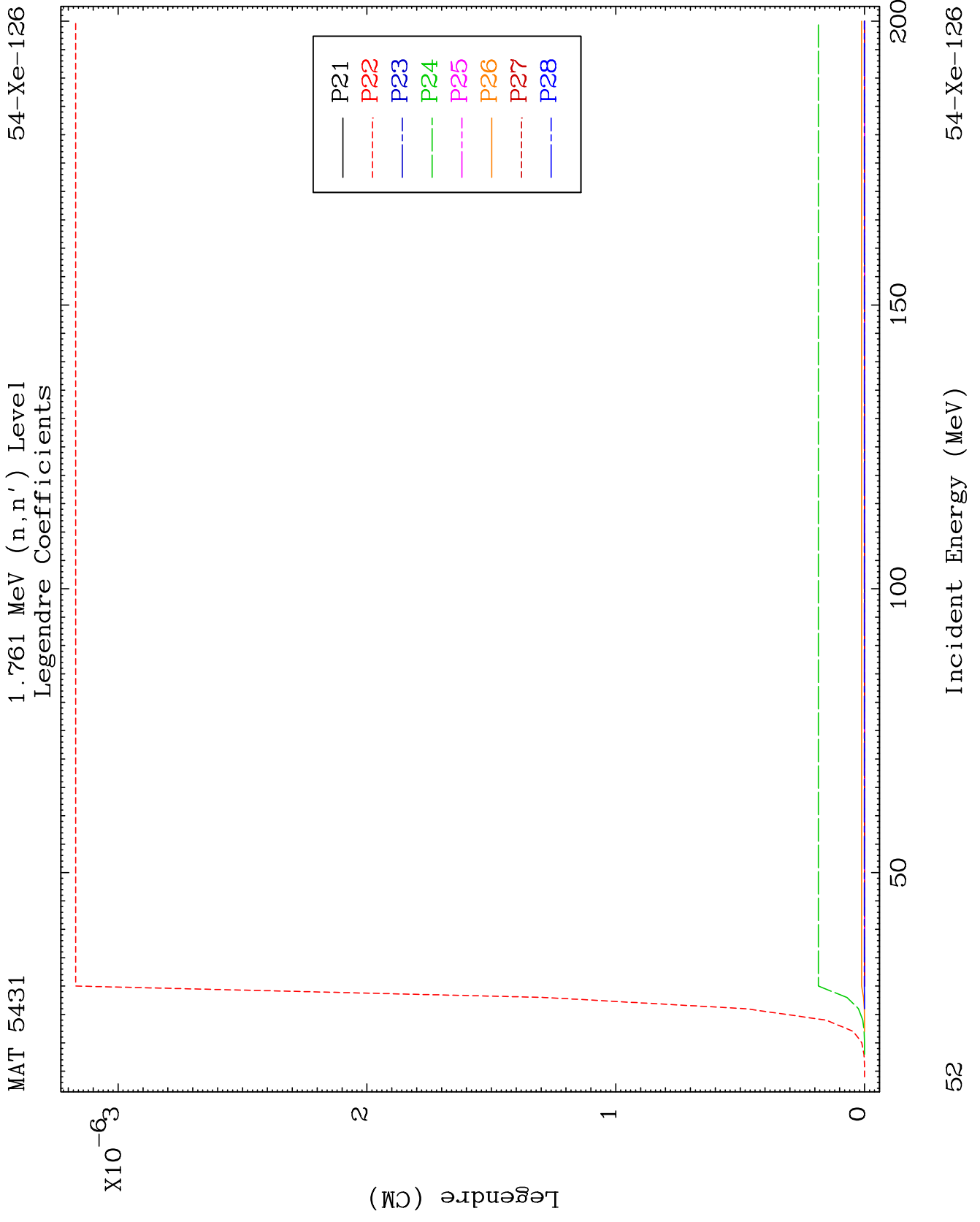
49

Incident Energy (MeV)

54-Xe-126



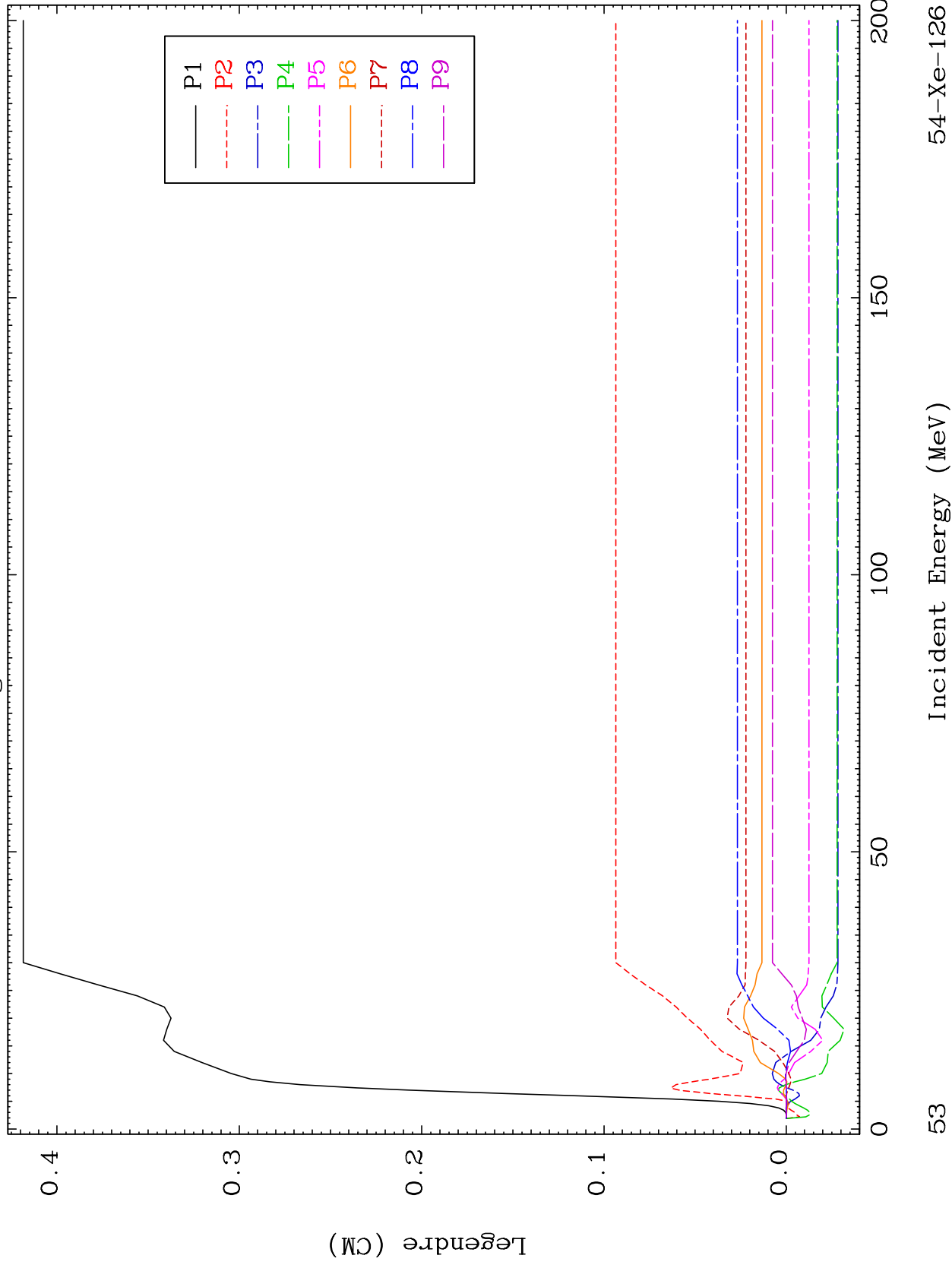




MAT 5431

1.867 MeV (n, n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

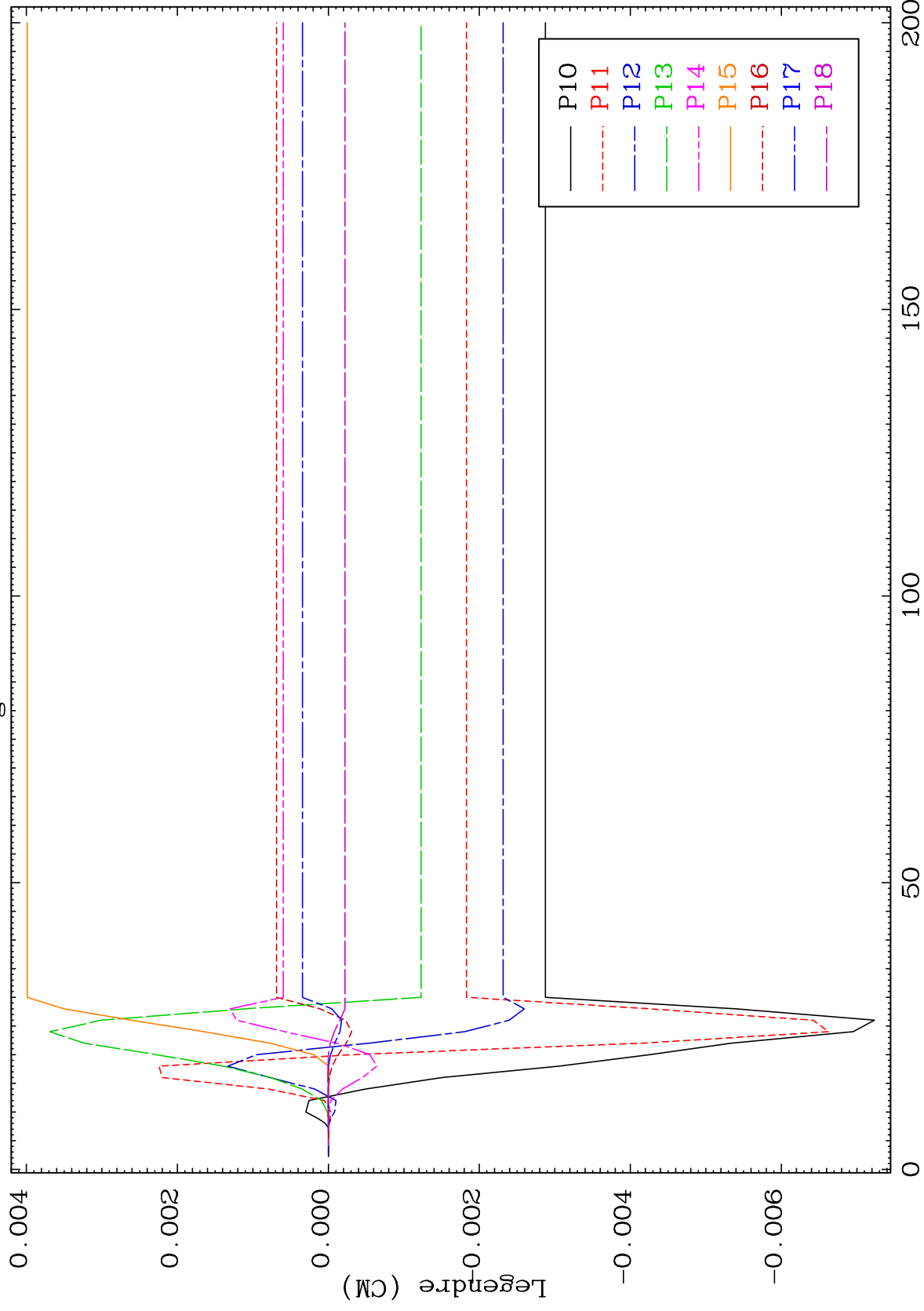
Incident Energy (MeV)

53

MAT 5431

1.867 MeV (n,n') Level  
Legendre Coefficients

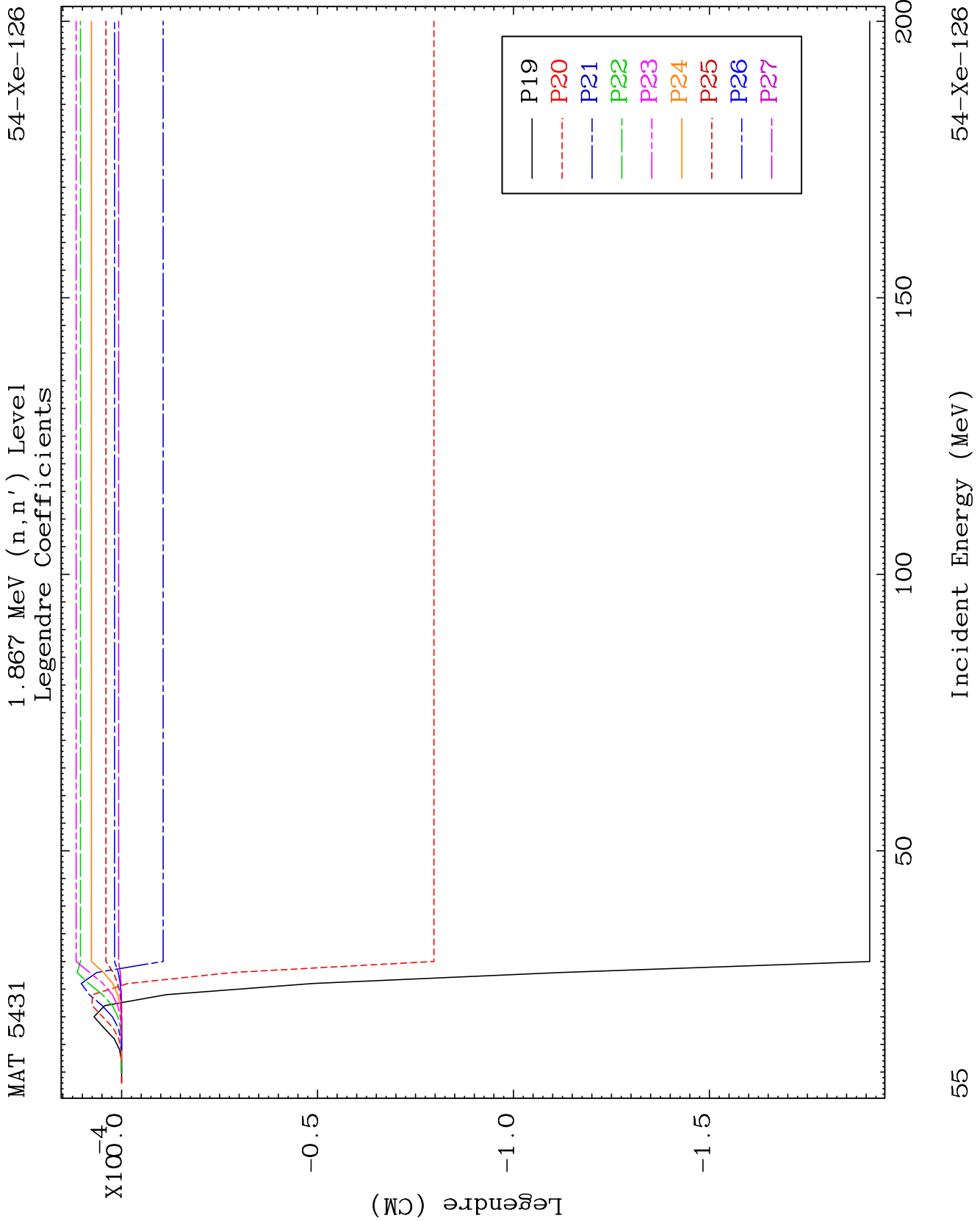
54-Xe-126



54

Incident Energy (MeV)

54-Xe-126

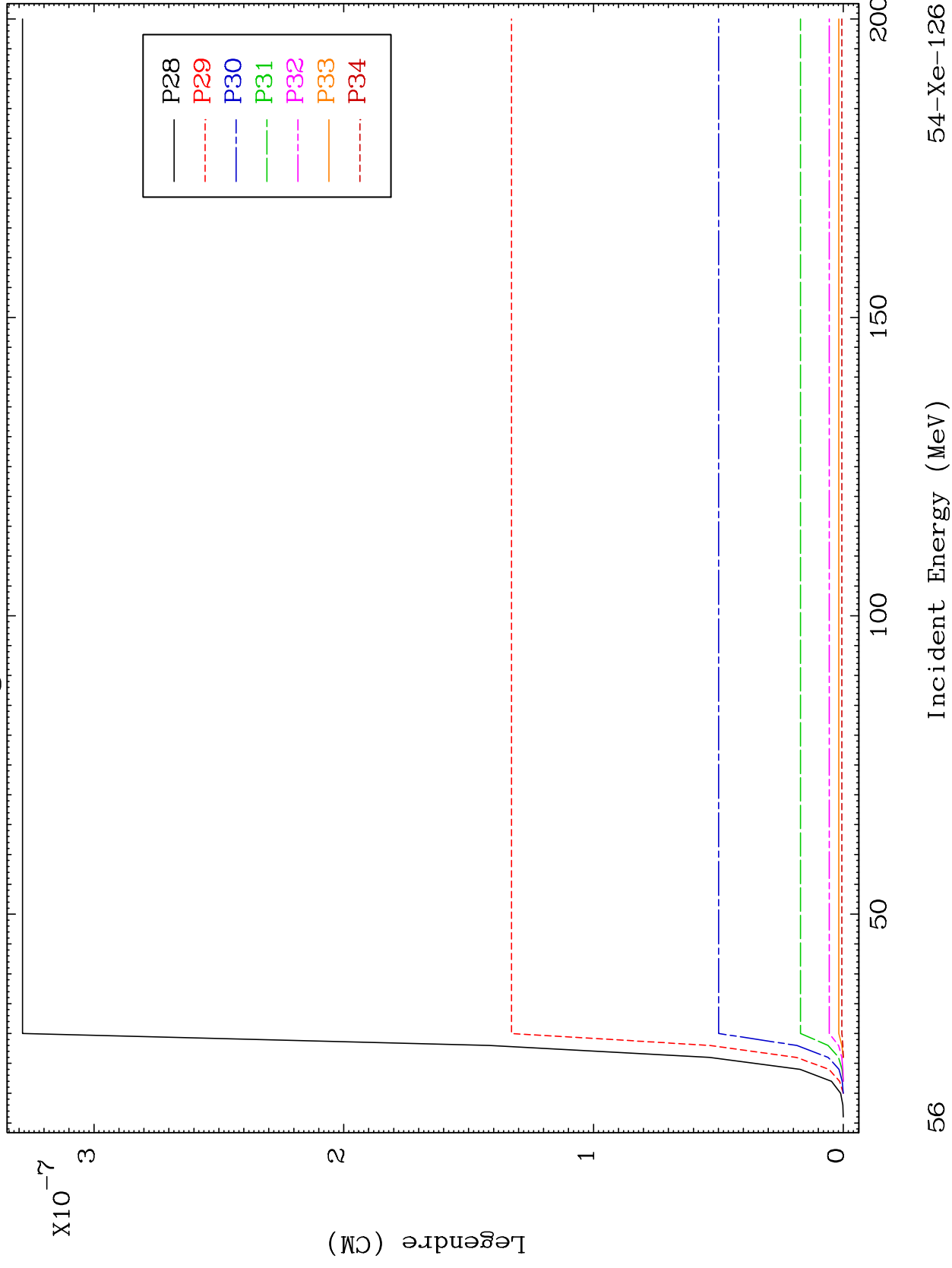




MAT 5431

1.867 MeV (n,n') Level  
Legendre Coefficients

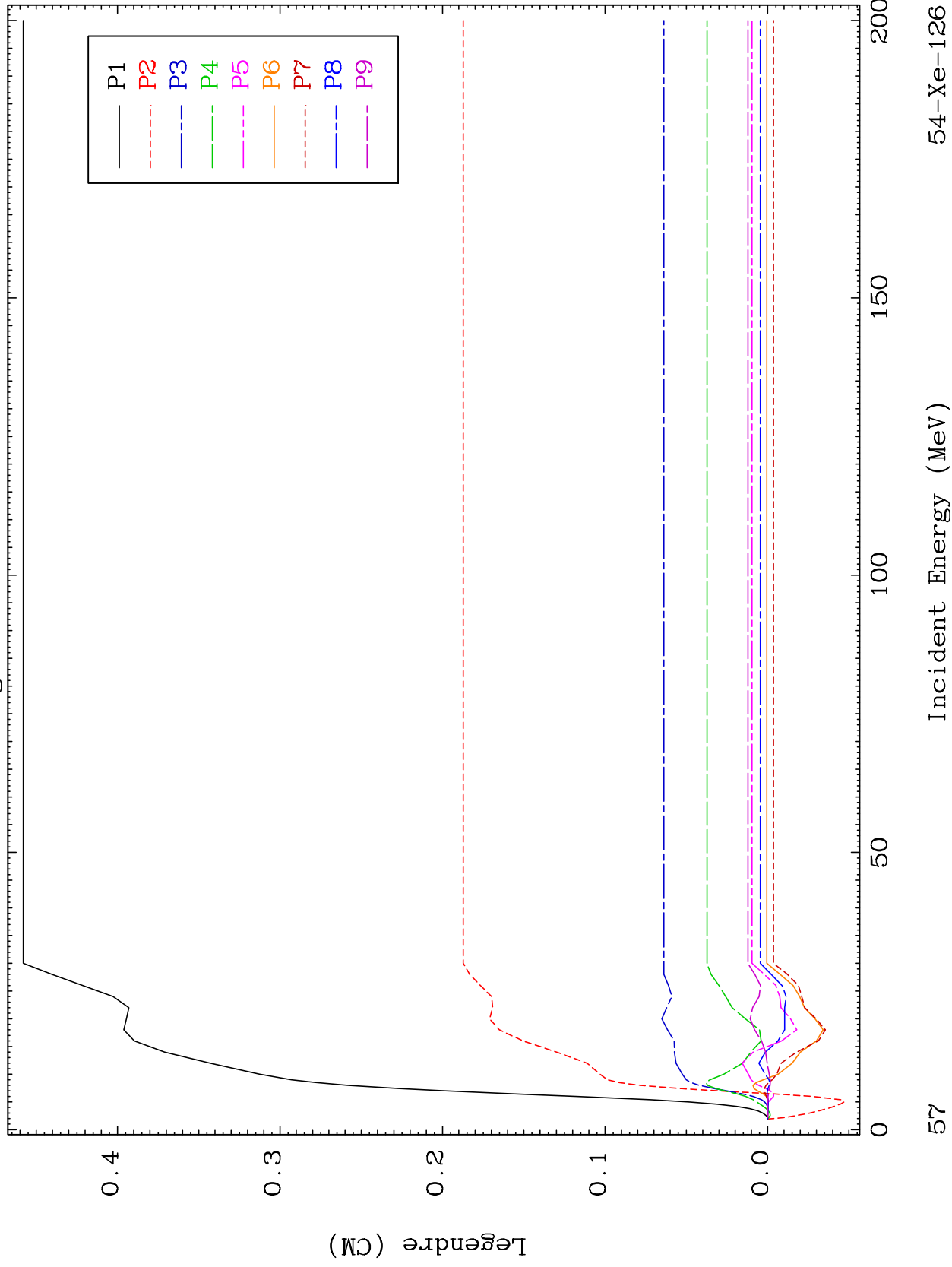
54-Xe-126



56

Incident Energy (MeV)

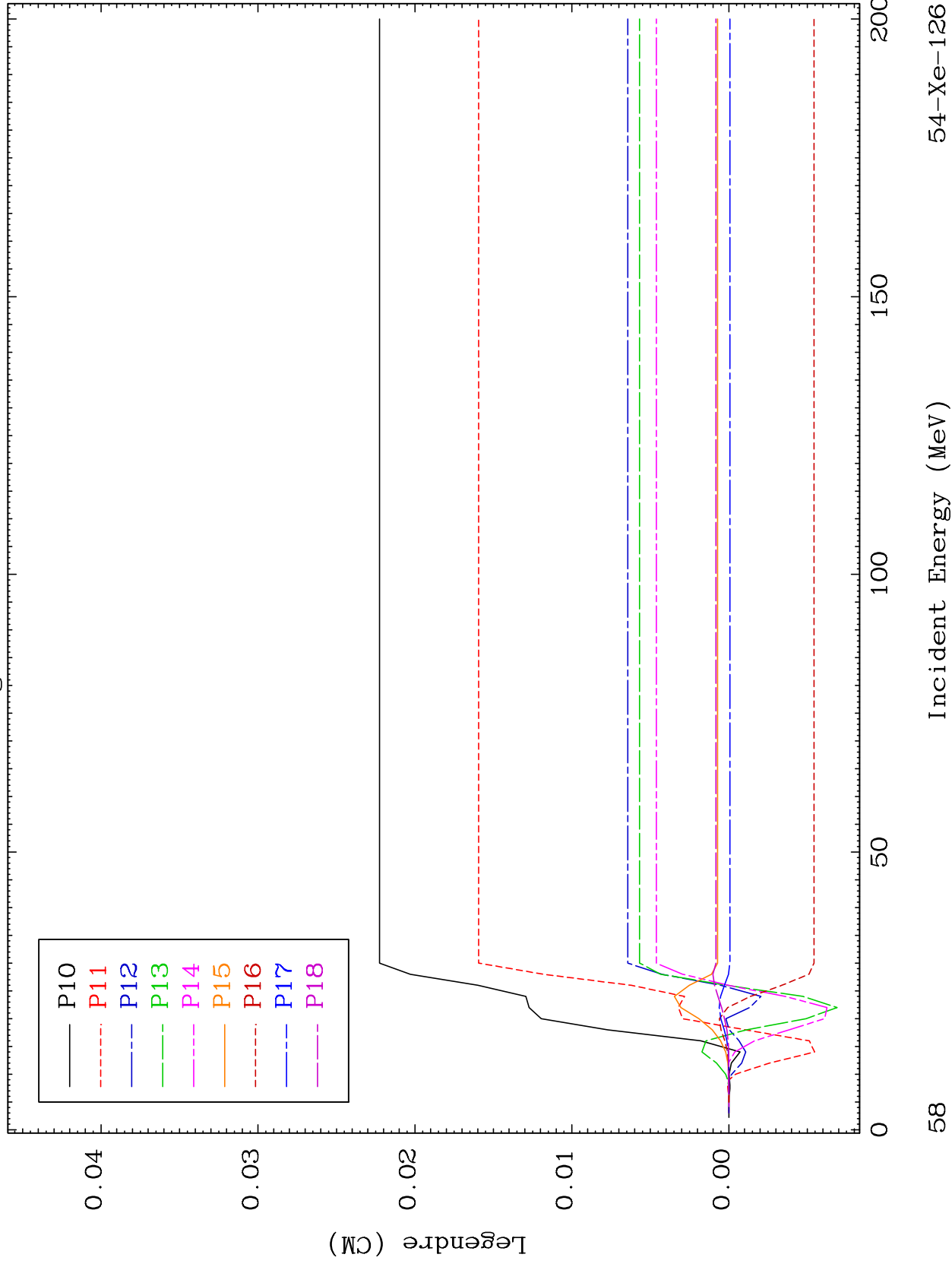
54-Xe-126



MAT 5431

1.903 MeV (n,n') Level  
Legendre Coefficients

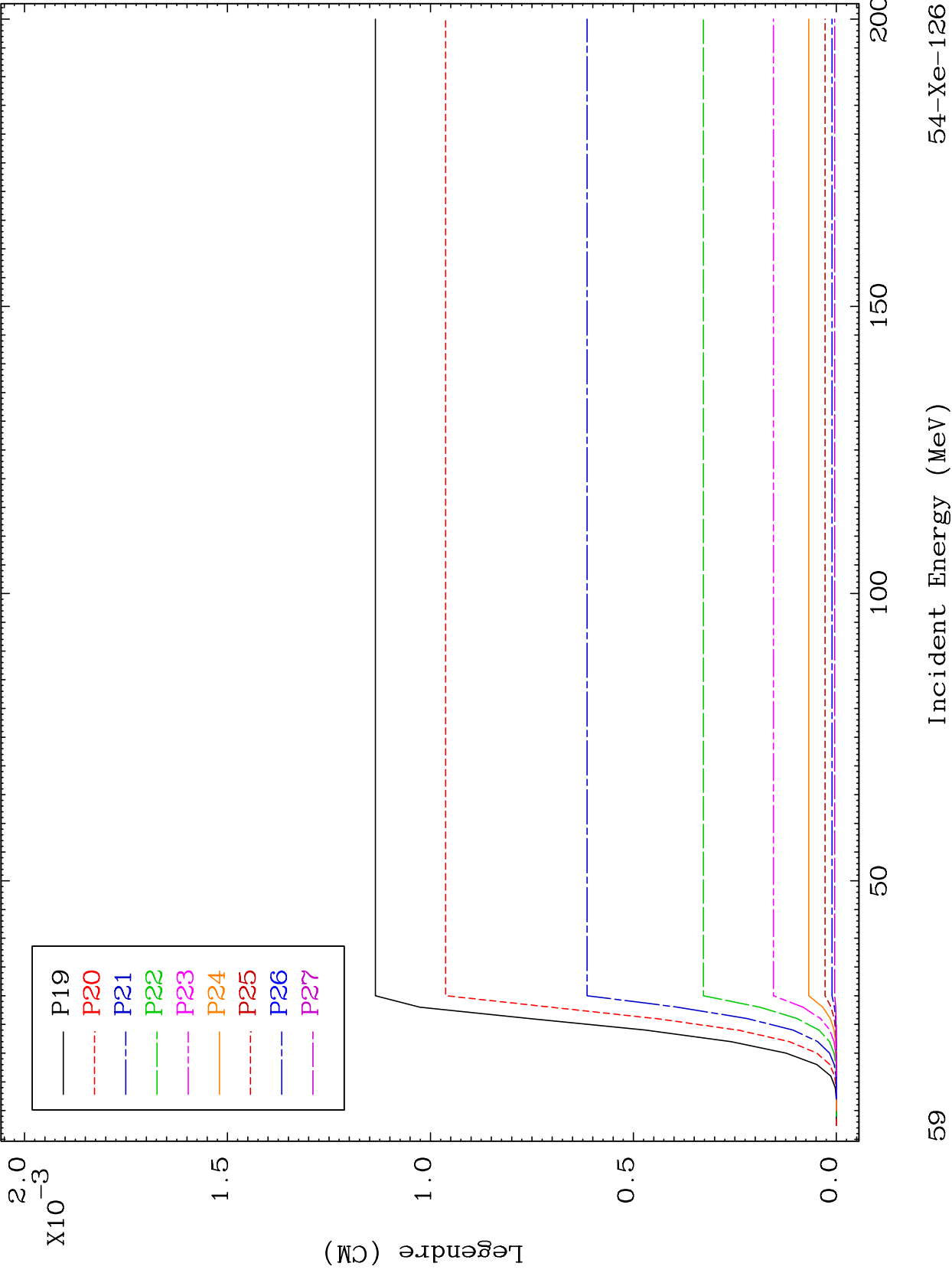
54-Xe-126



54-Xe-126

Incident Energy (MeV)

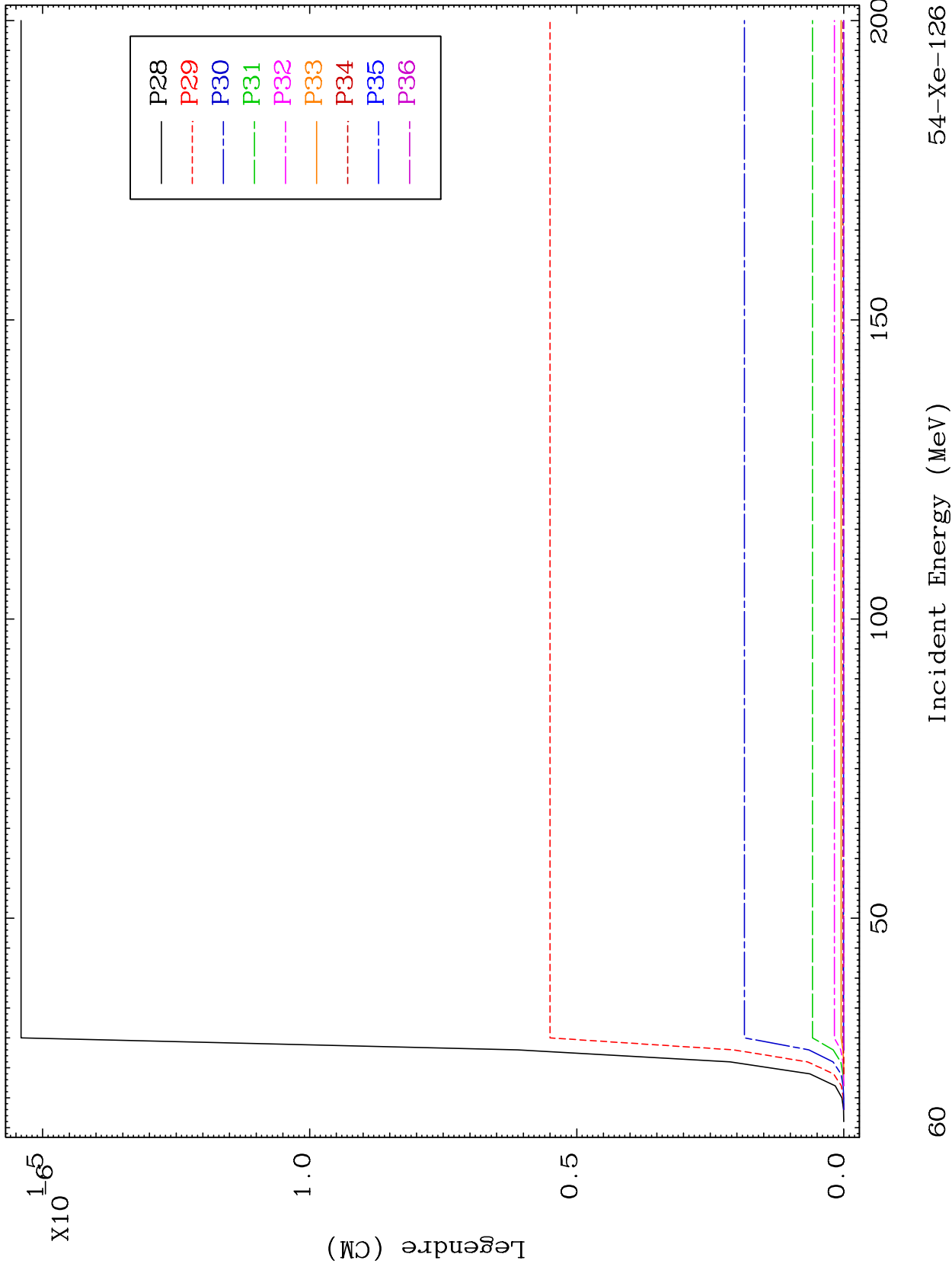
58



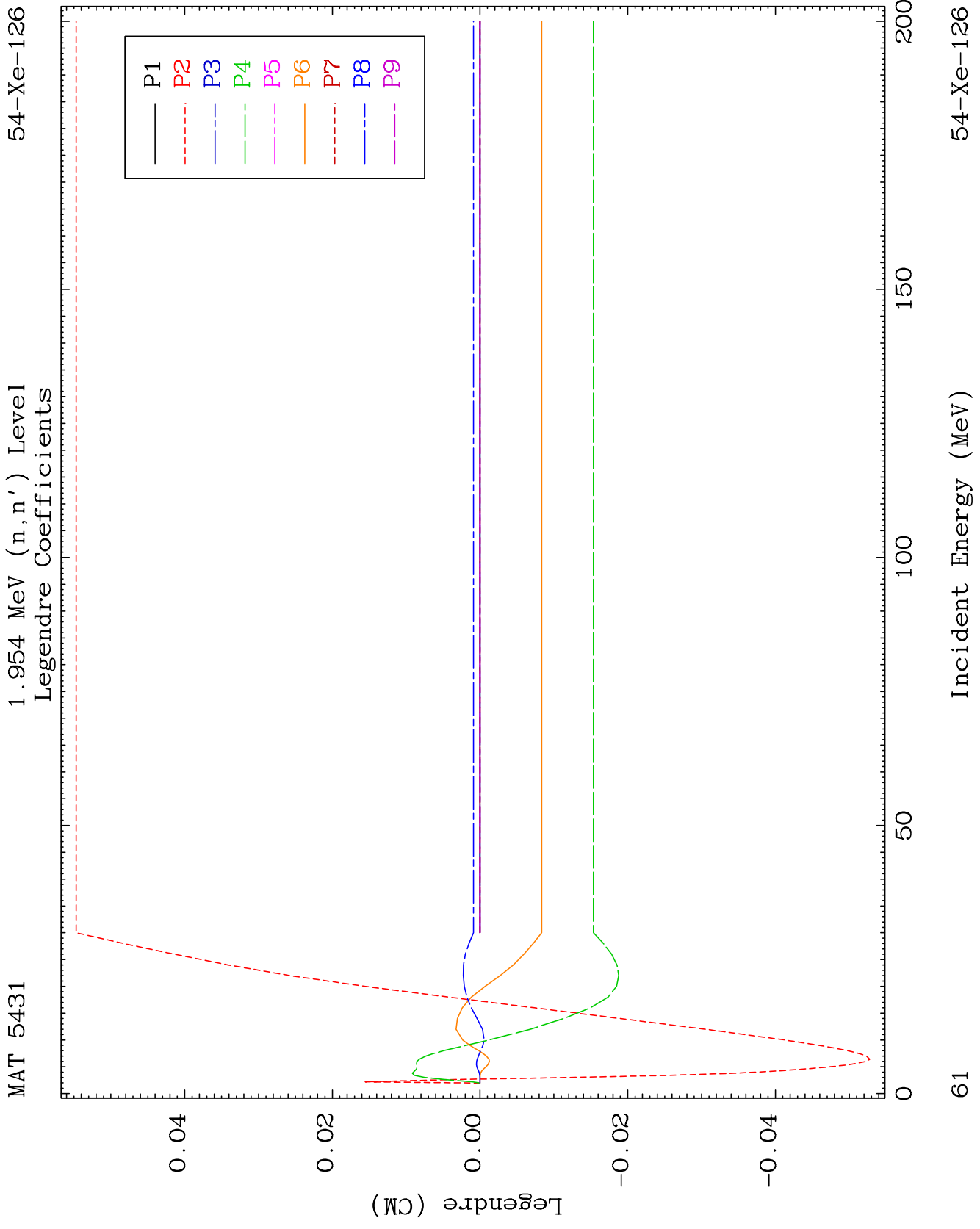
MAT 5431

1.903 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



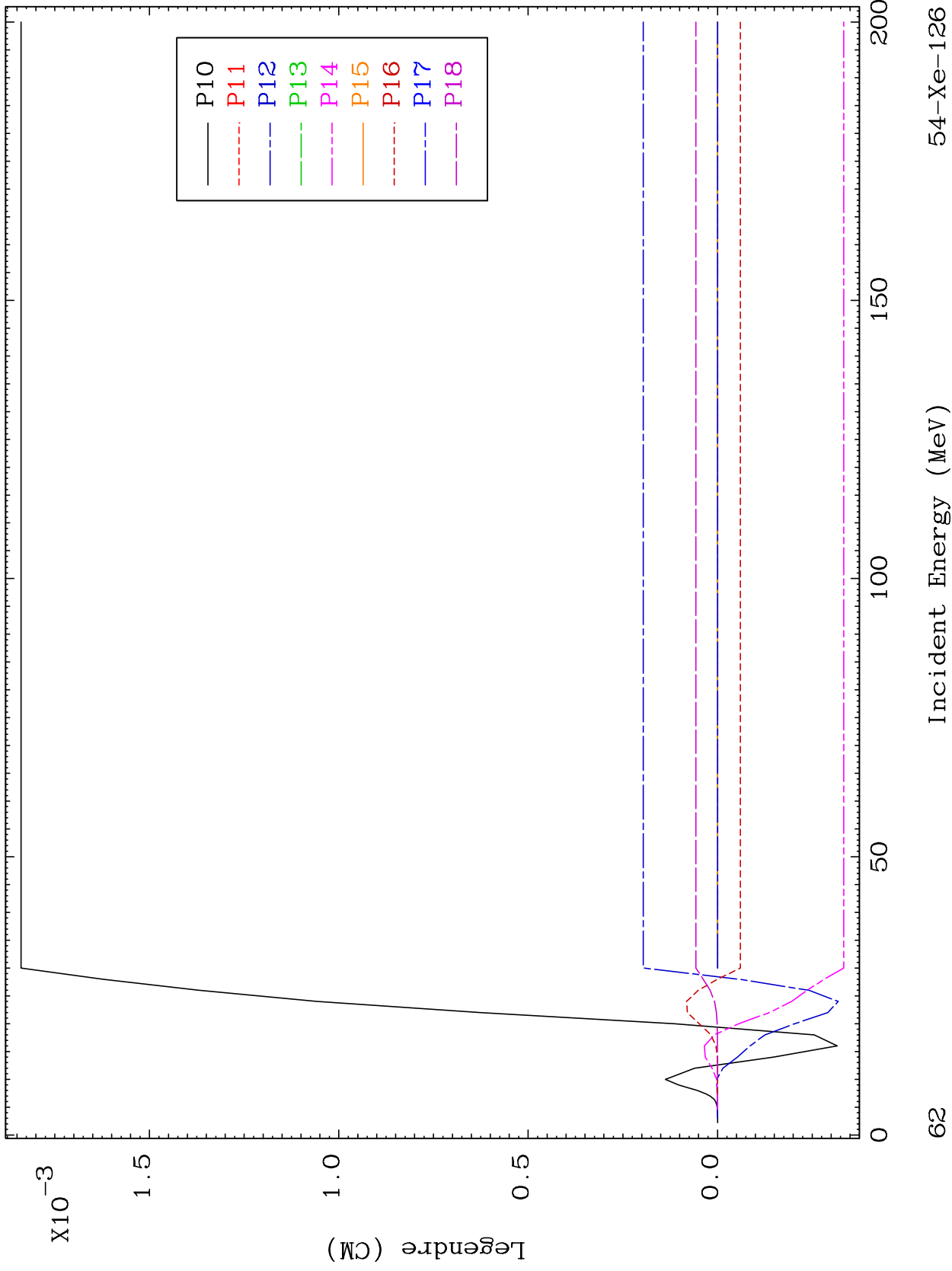
54-Xe-126



MAT 5431

1.954 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



62

54-Xe-126

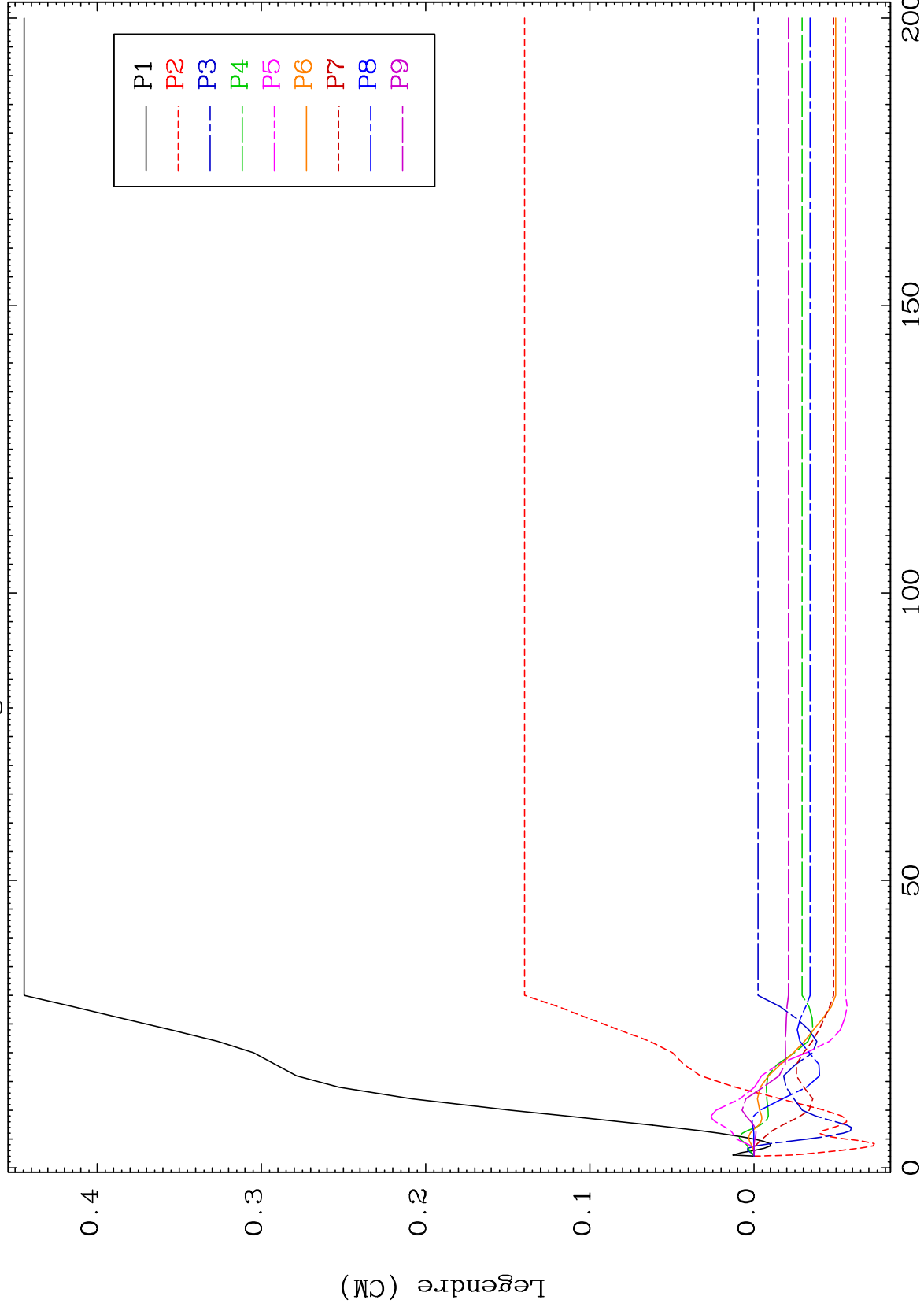




MAT 5431

2.005 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



64

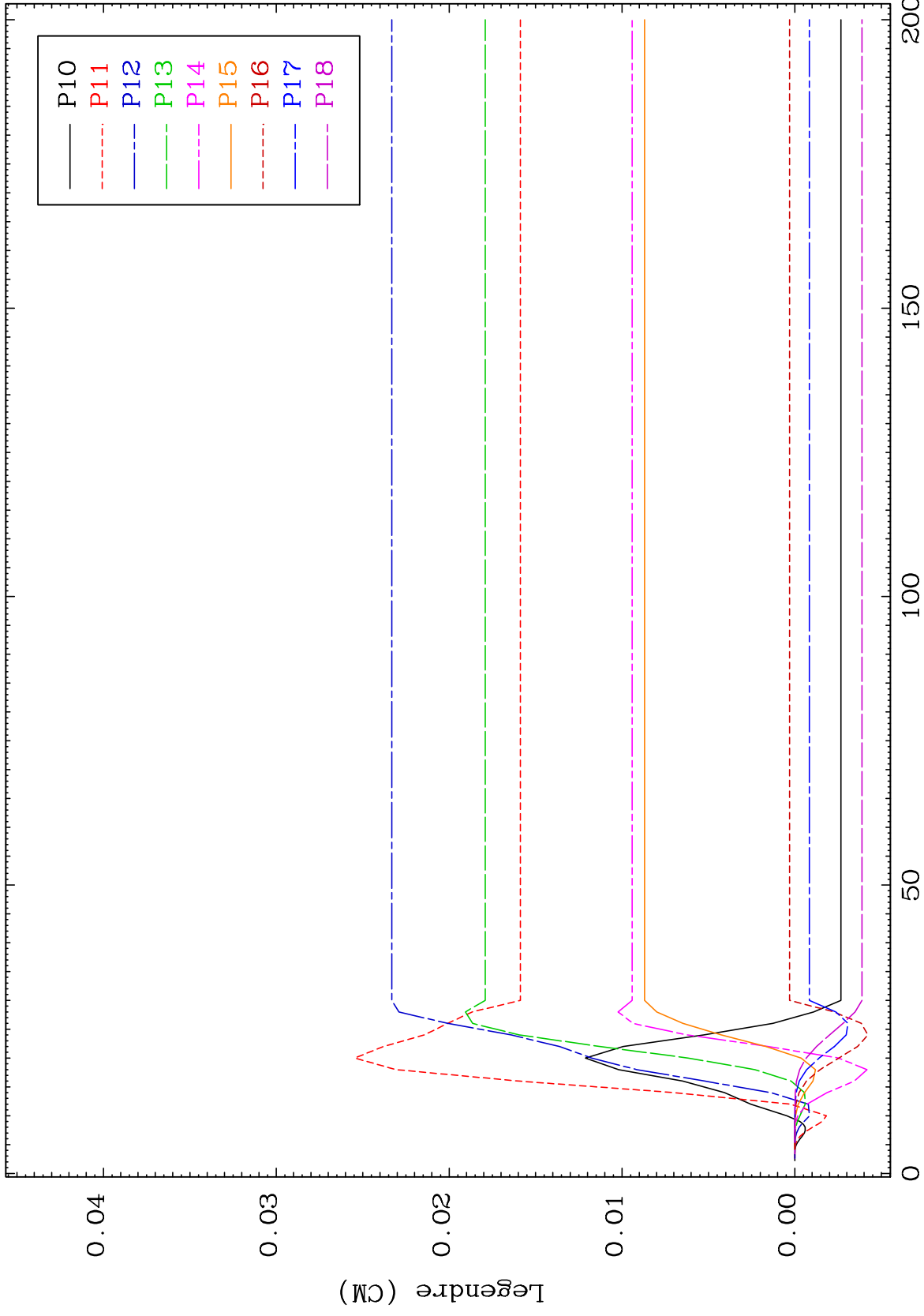
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.005 MeV (n,n') Level  
Legendre Coefficients

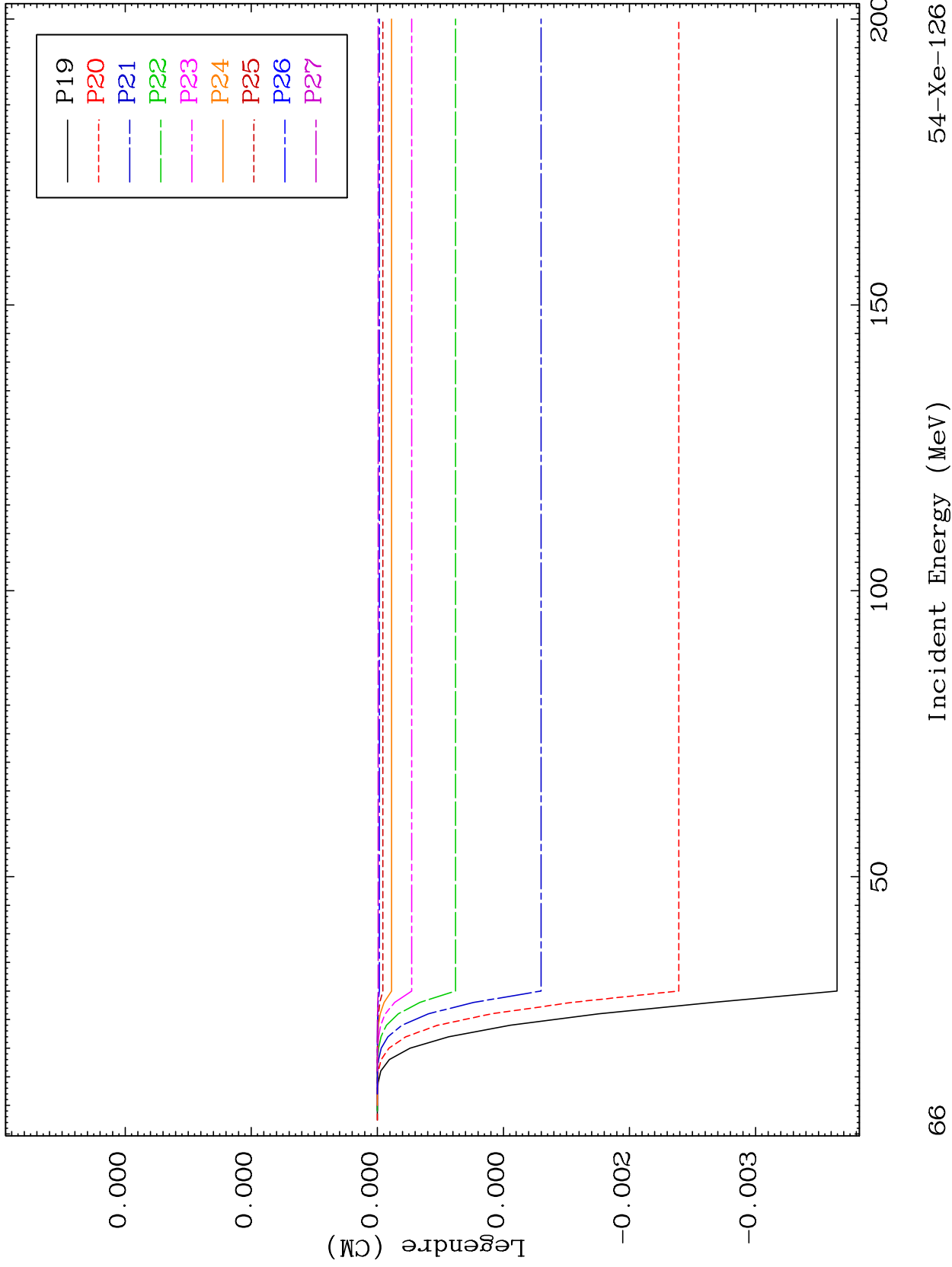
54-Xe-126

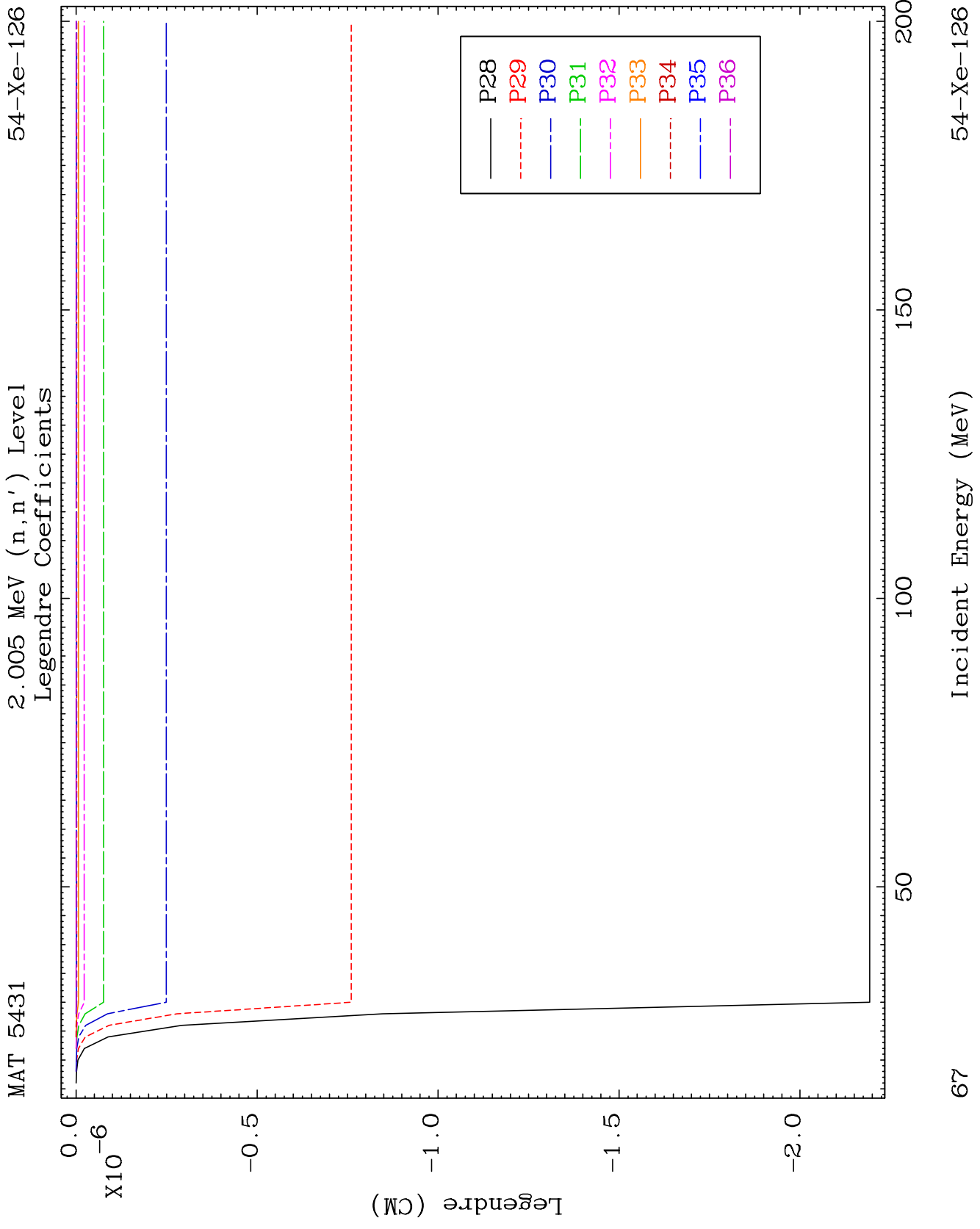


65

Incident Energy (MeV)

54-Xe-126

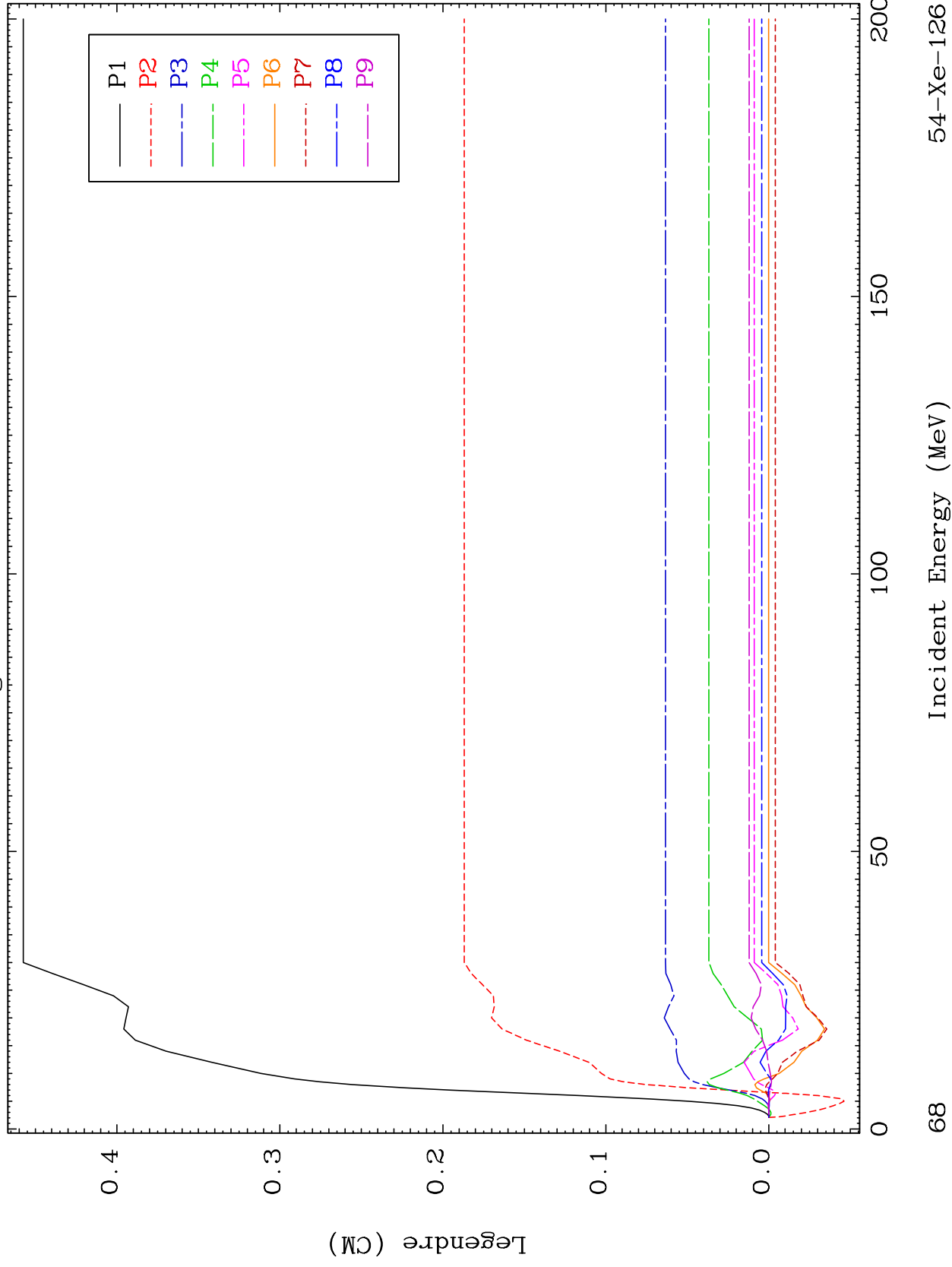




MAT 5431

2.042 MeV (n, n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

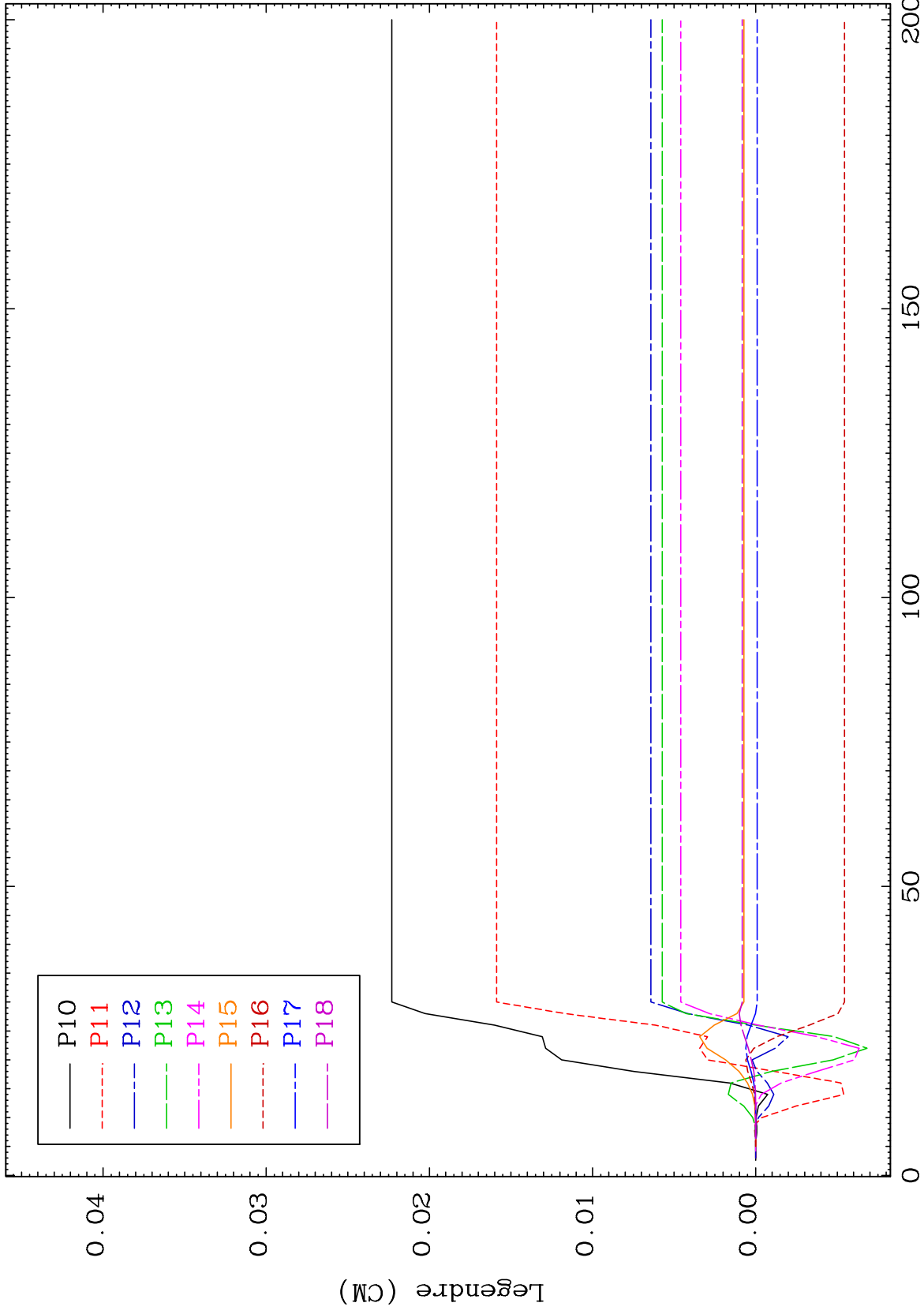
Incident Energy (MeV)

68

MAT 5431

2.042 MeV (n, n') Level  
Legendre Coefficients

54-Xe-126



69

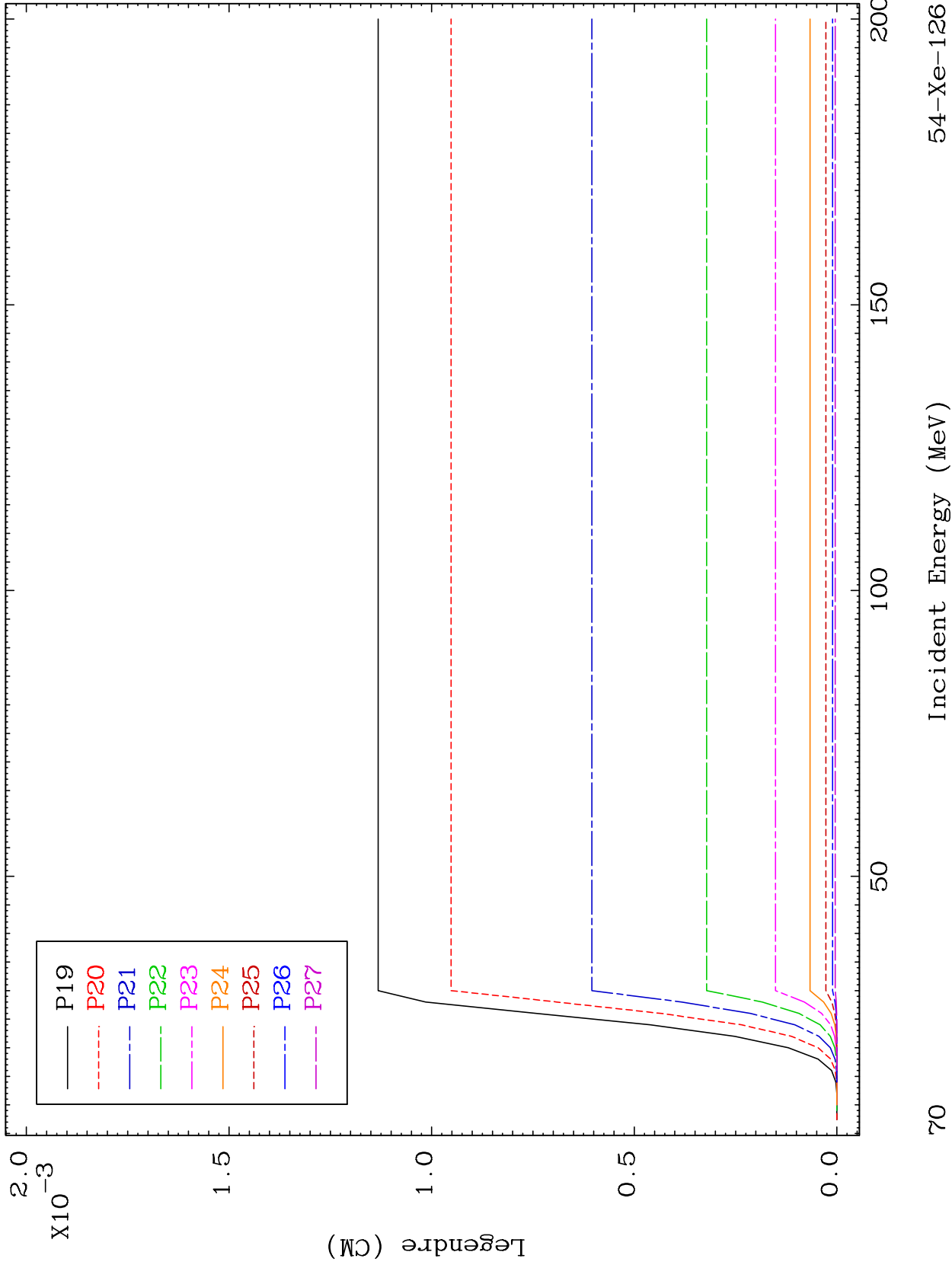
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.042 MeV (n, n') Level  
Legendre Coefficients

54-Xe-126



70

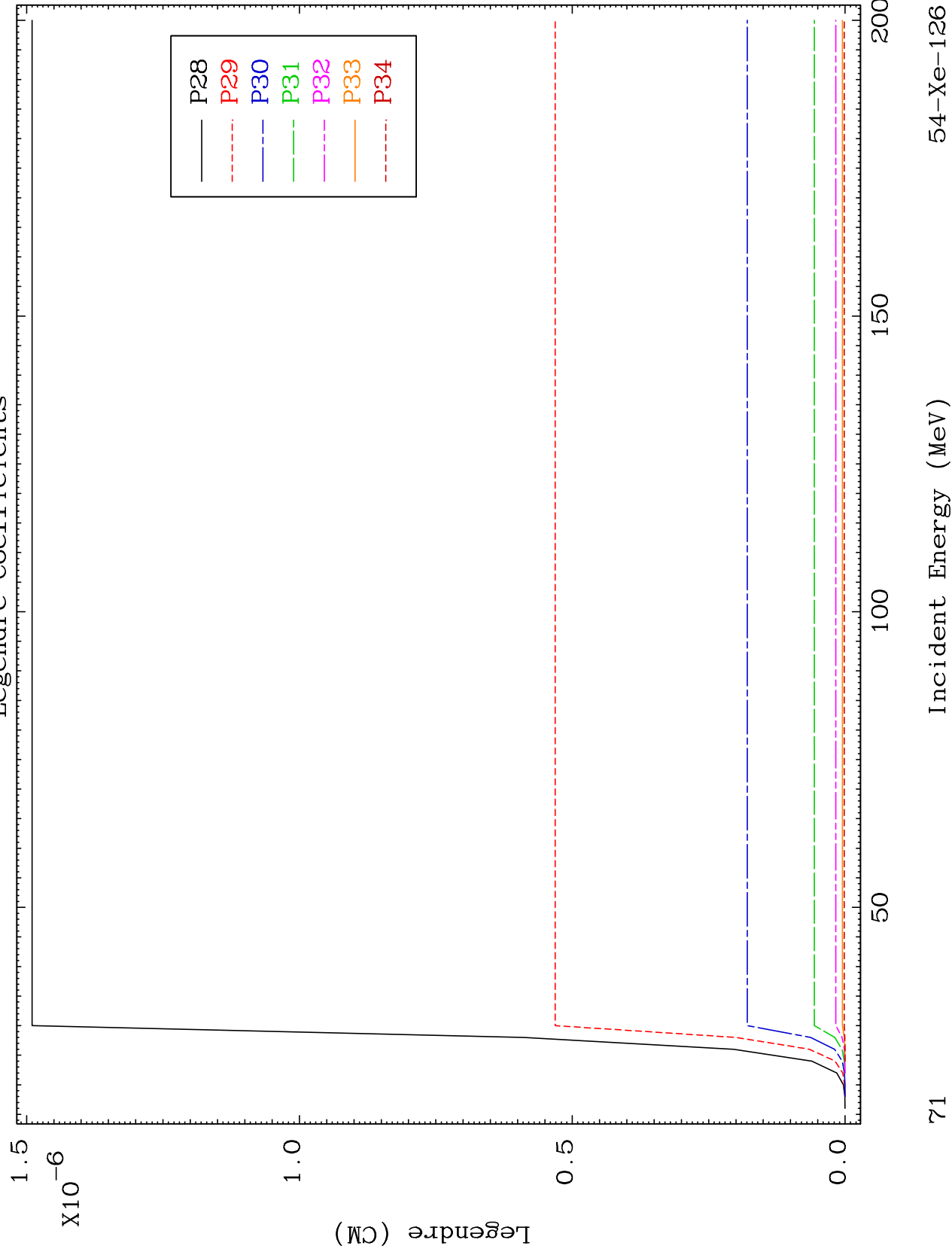
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.042 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126

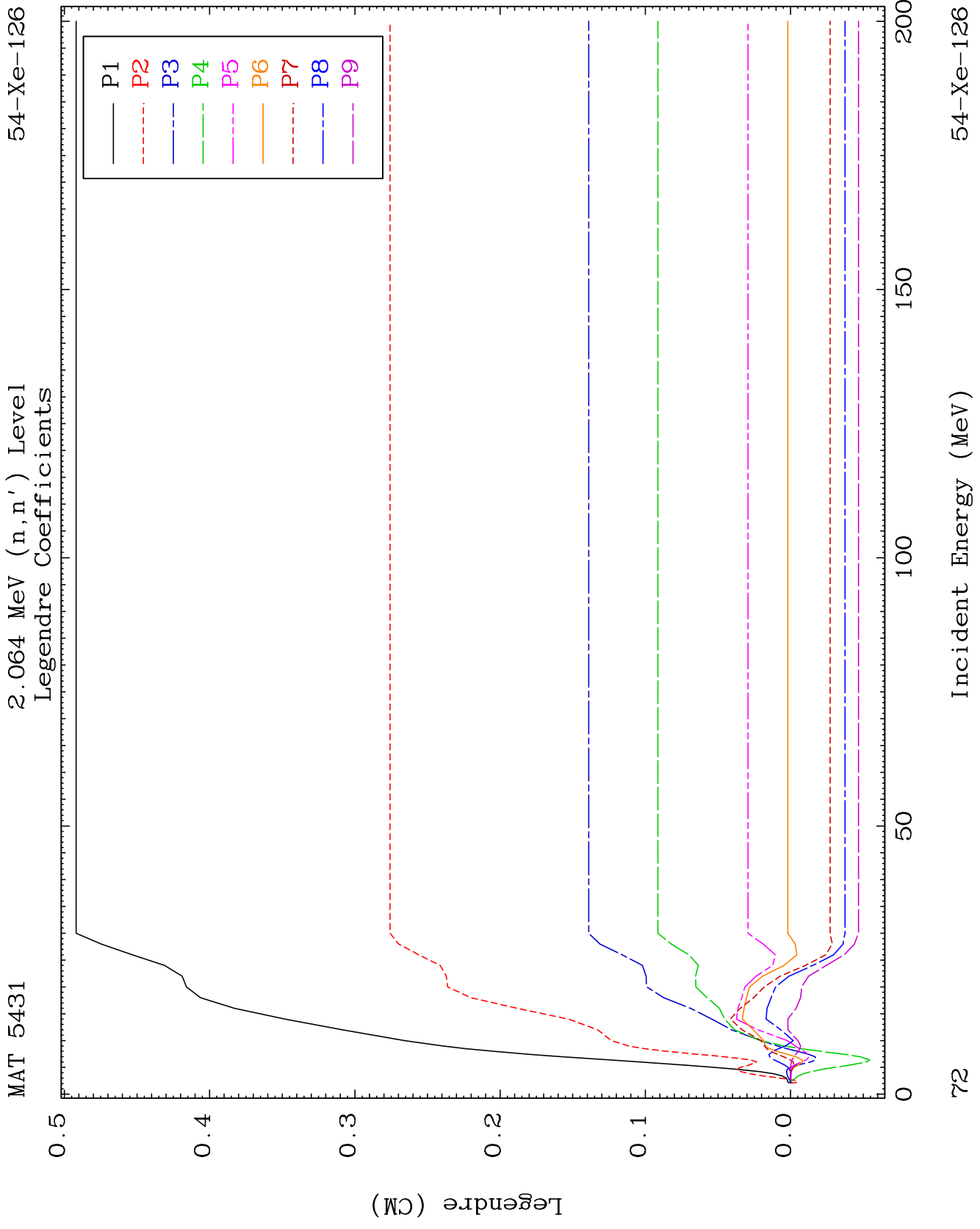


71

Incident Energy (MeV)

54-Xe-126



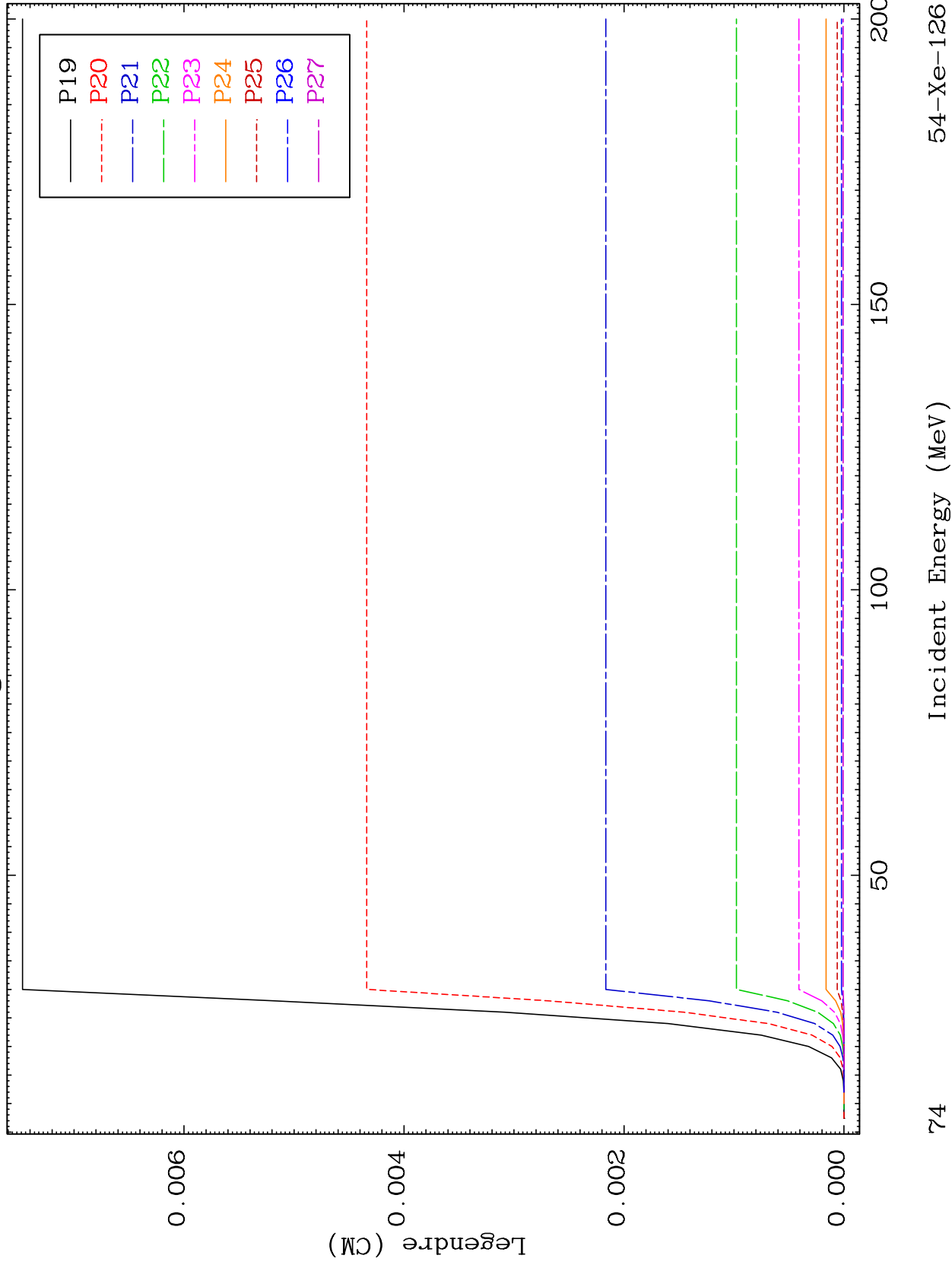




MAT 5431

2.064 MeV (n,n') Level  
Legendre Coefficients

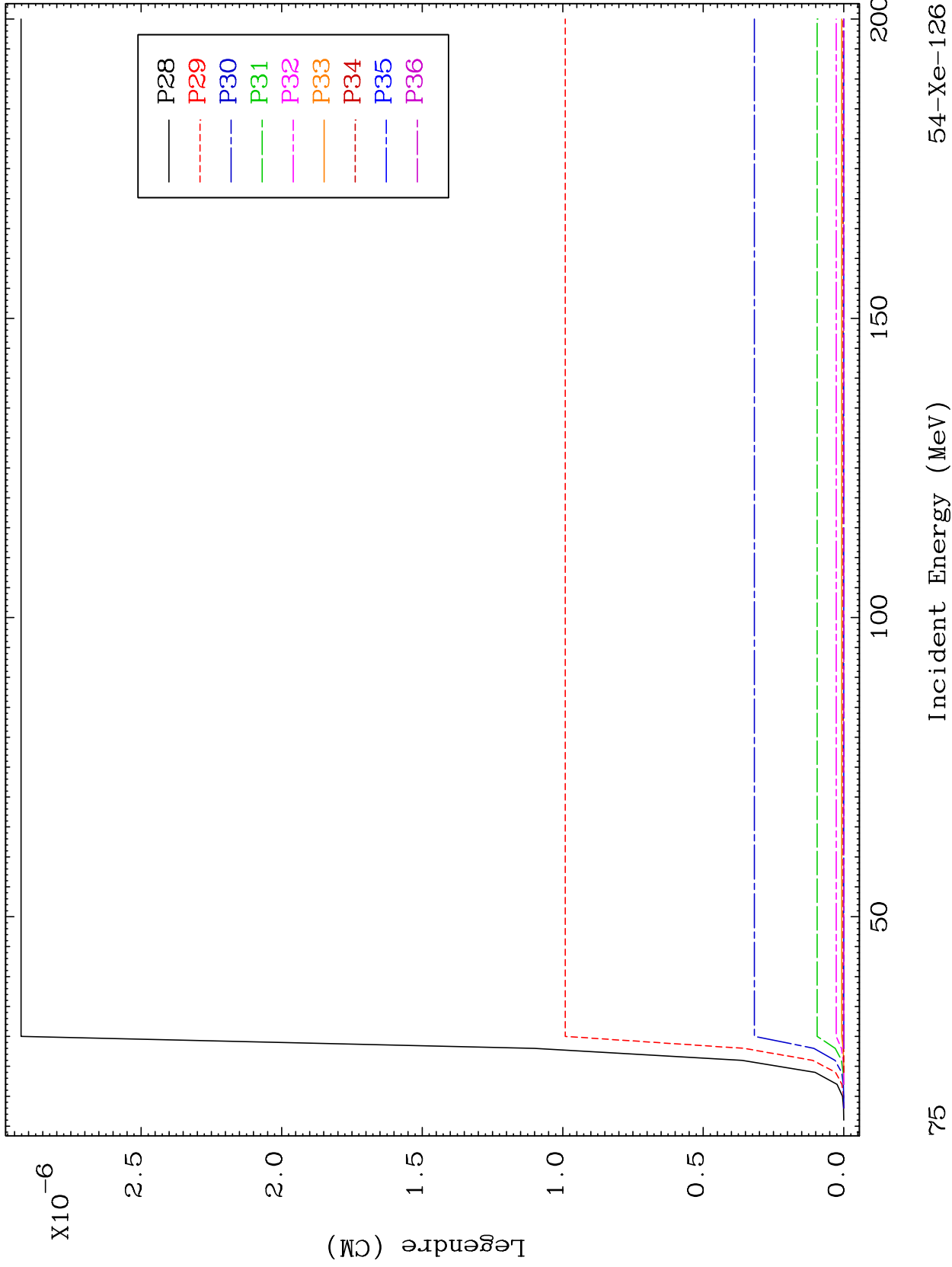
54-Xe-126



MAT 5431

2.064 MeV (n,n') Level  
Legendre Coefficients

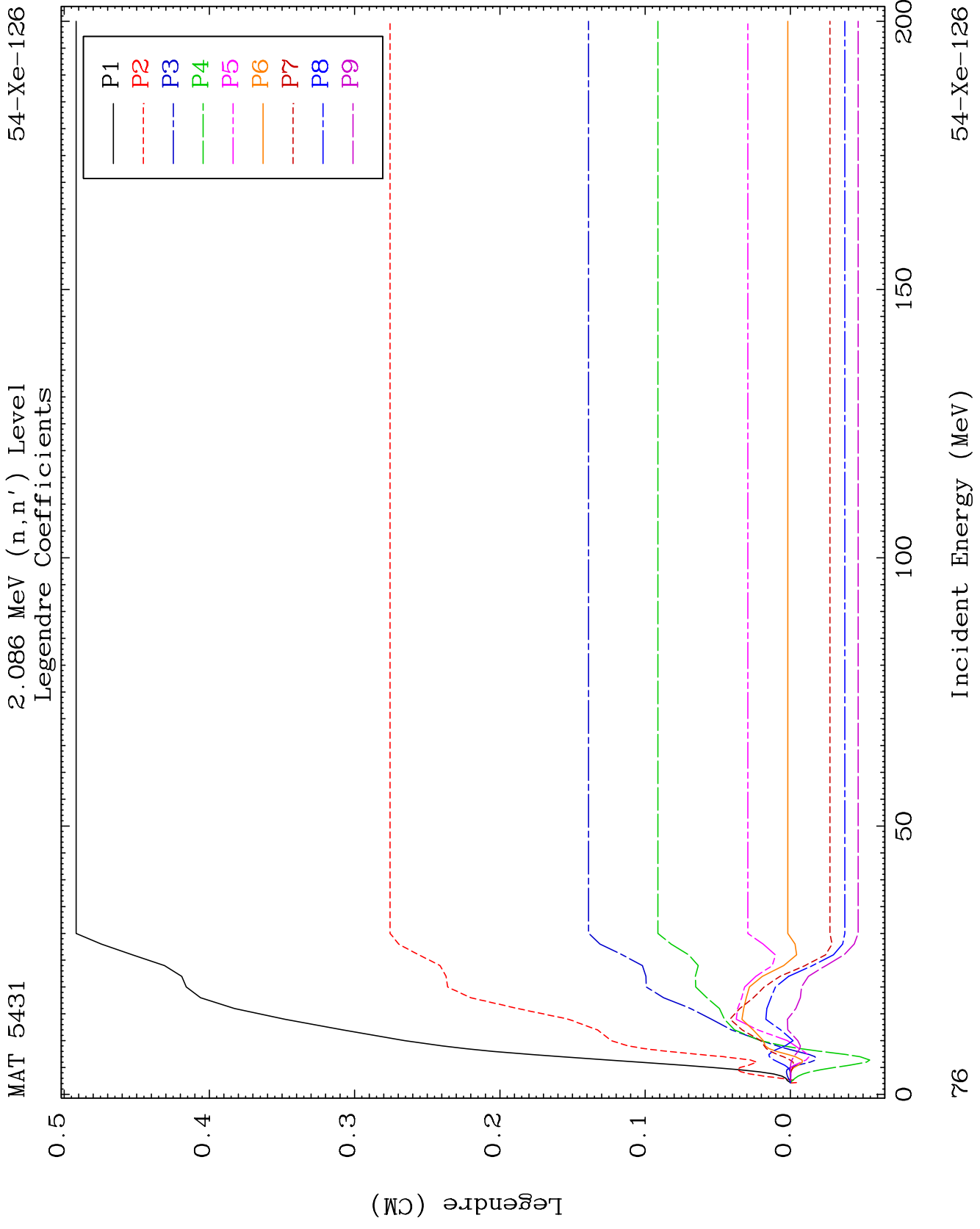
54-Xe-126

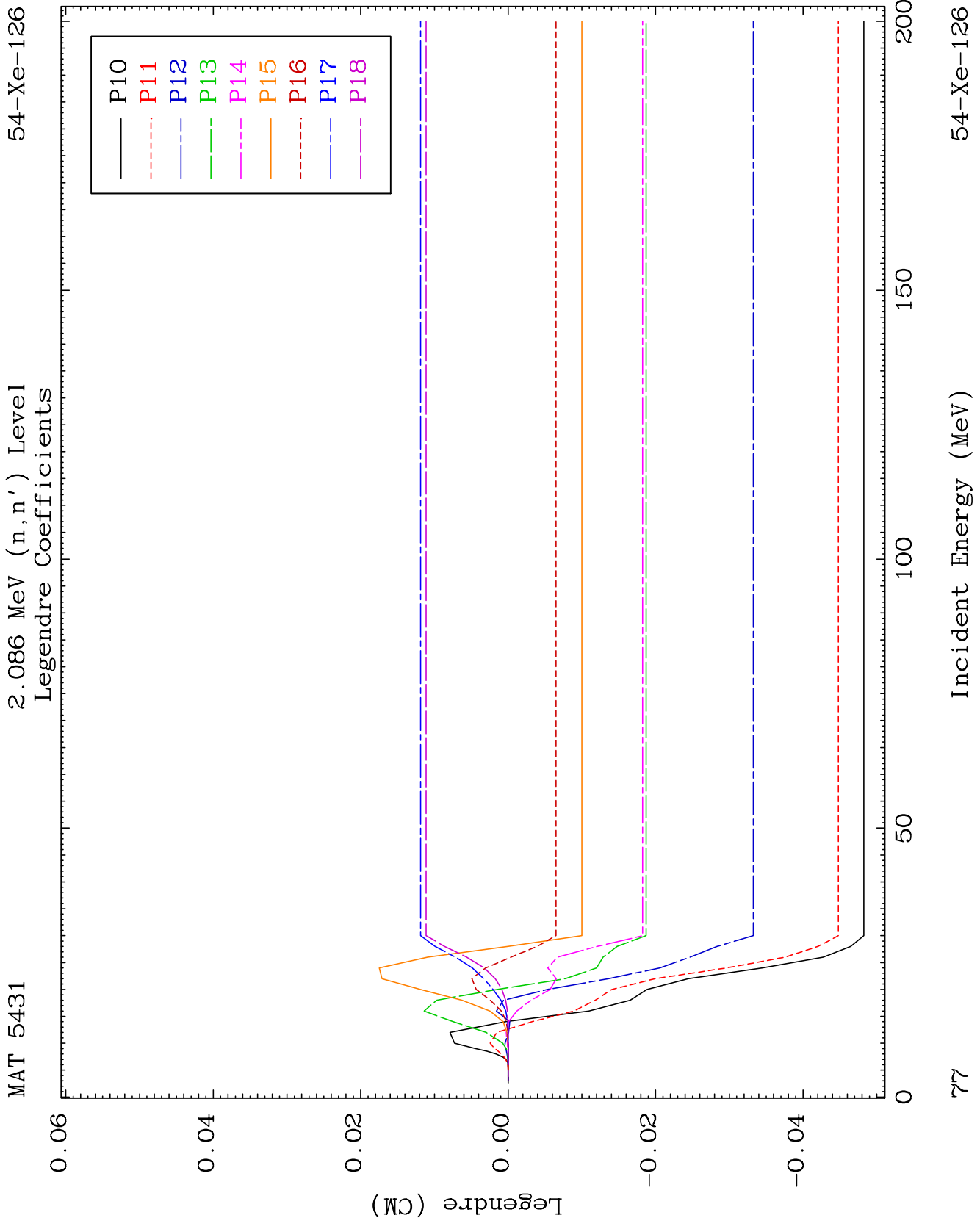


75

Incident Energy (MeV)

54-Xe-126

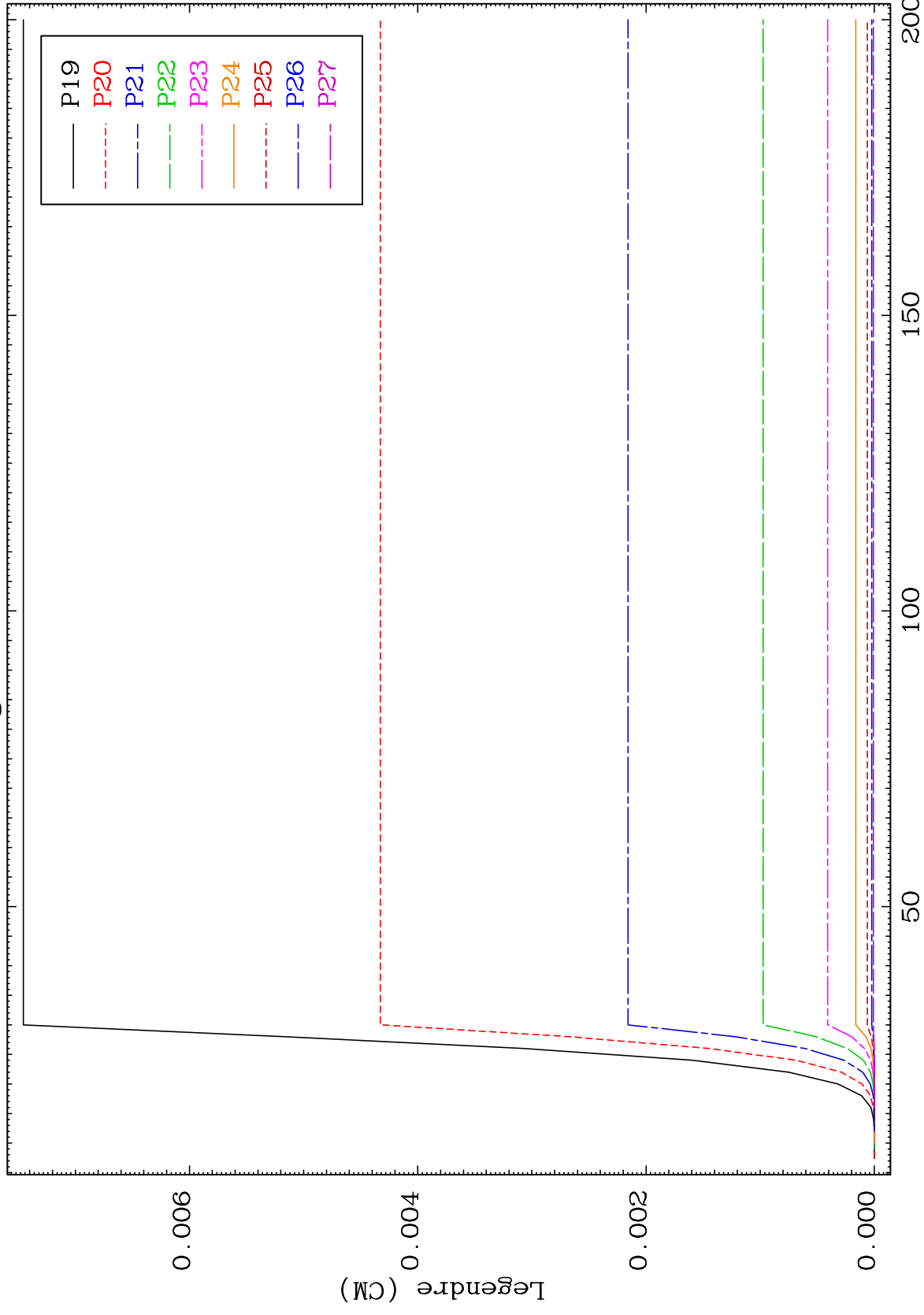




MAT 5431

2.086 MeV (n, n') Level  
Legendre Coefficients

54-Xe-126



78

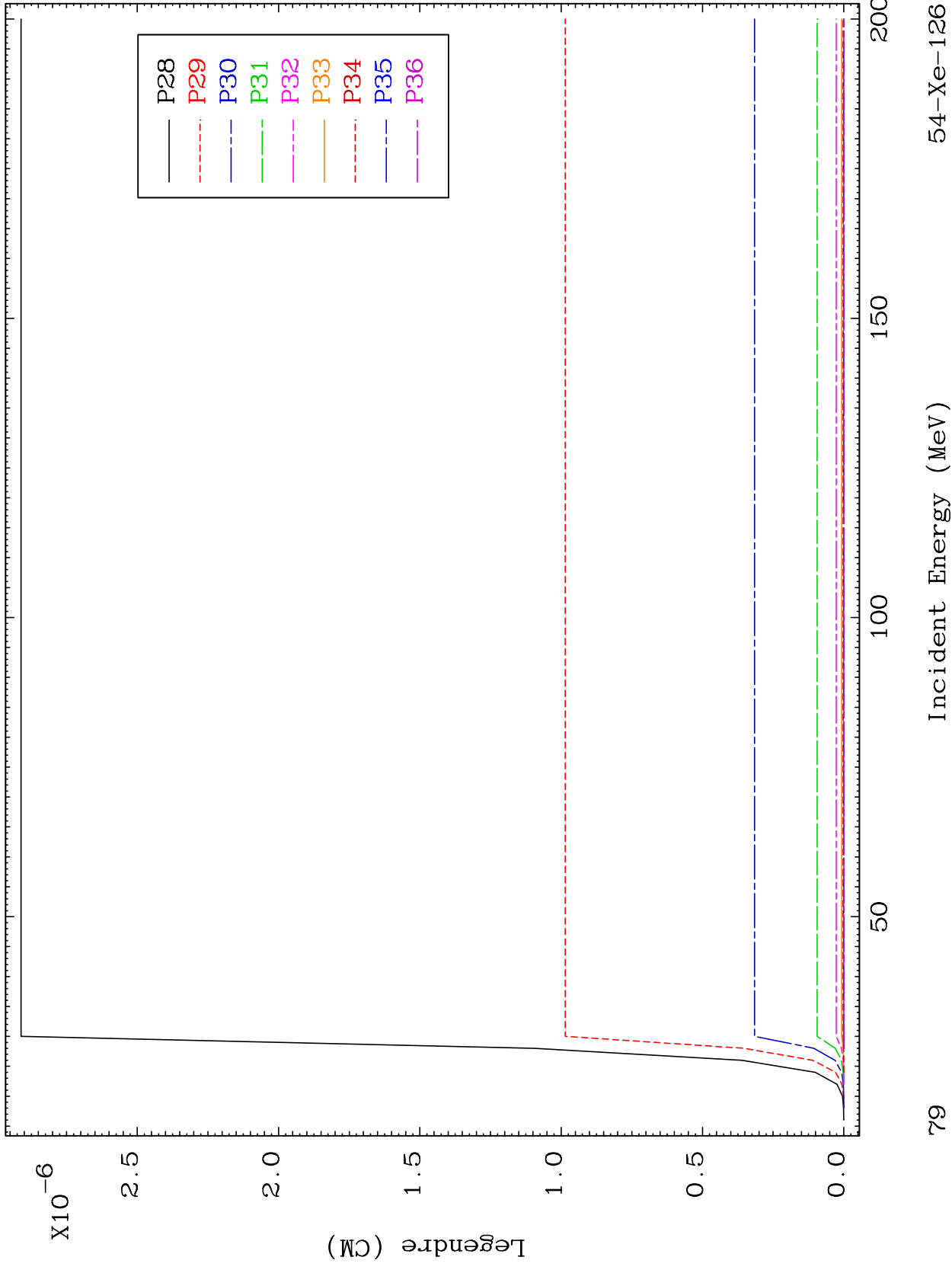
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.086 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126

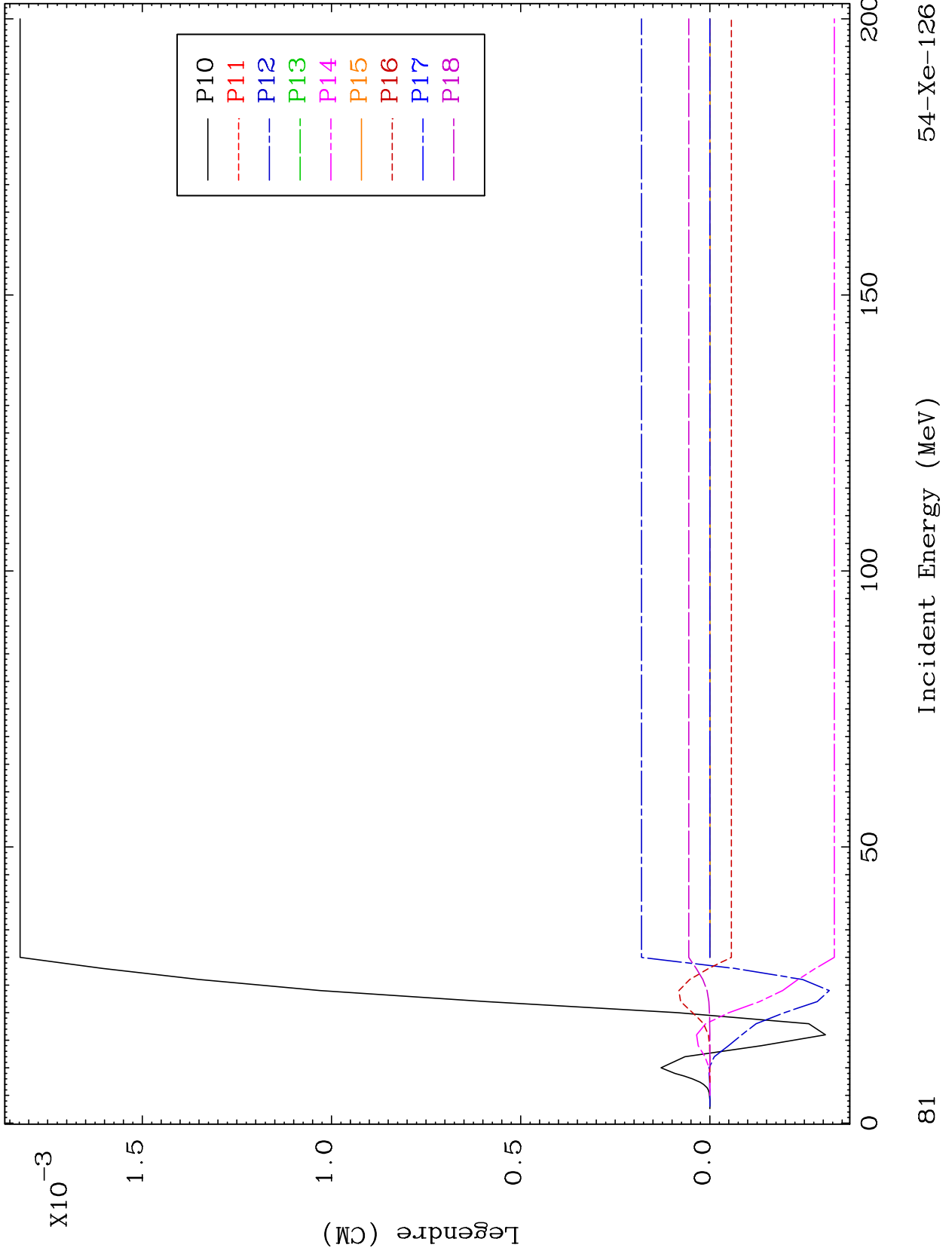


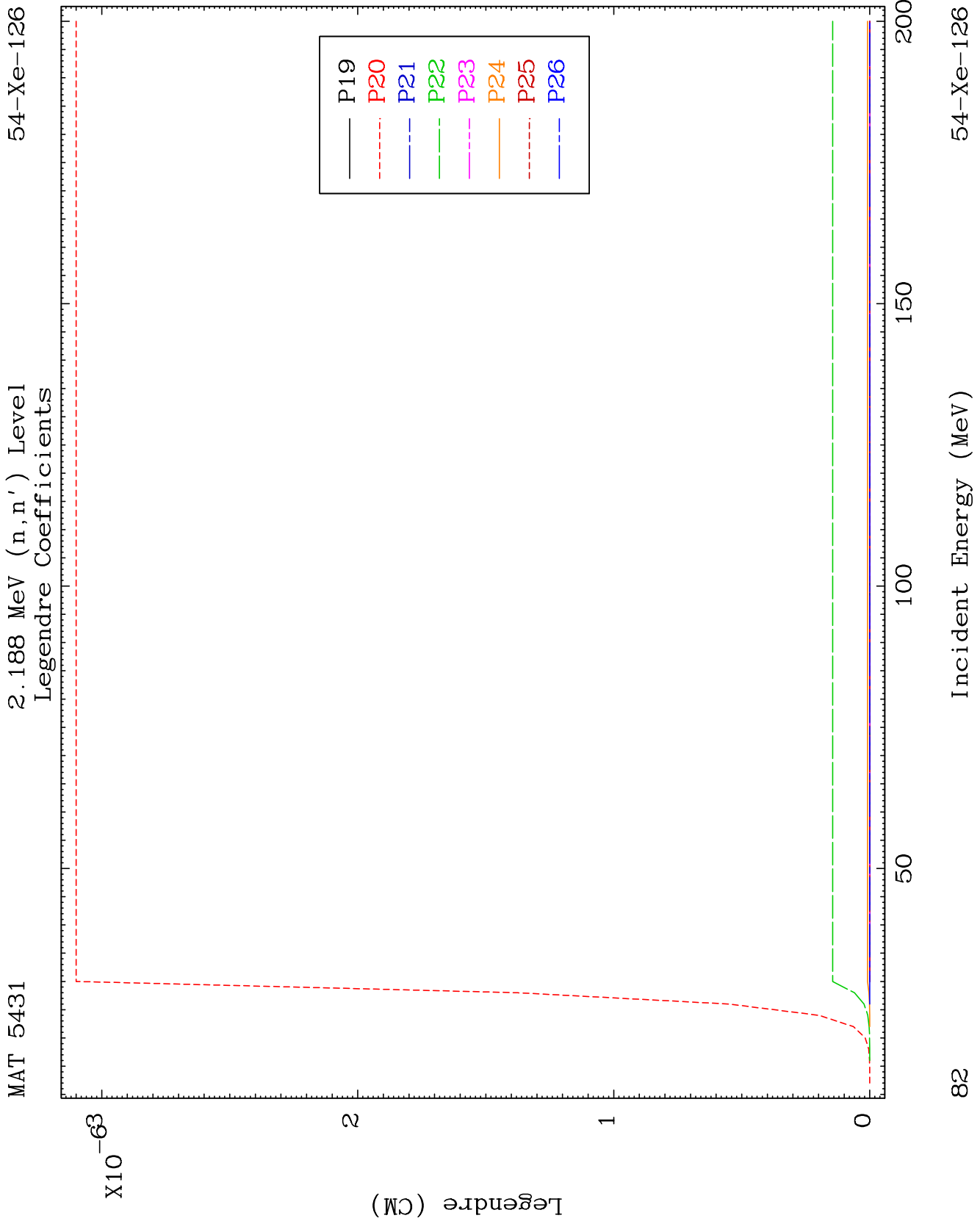
79

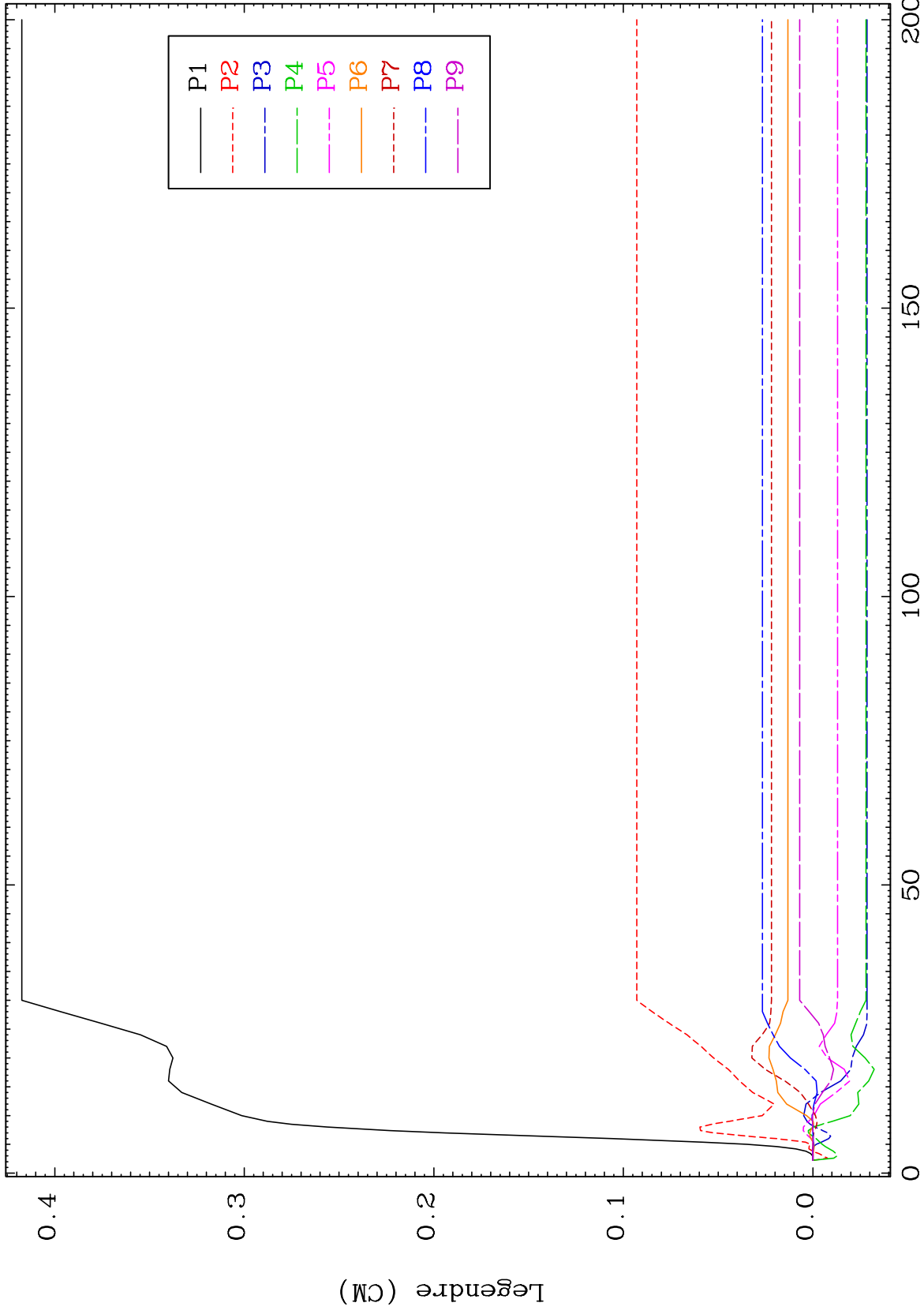
54-Xe-126



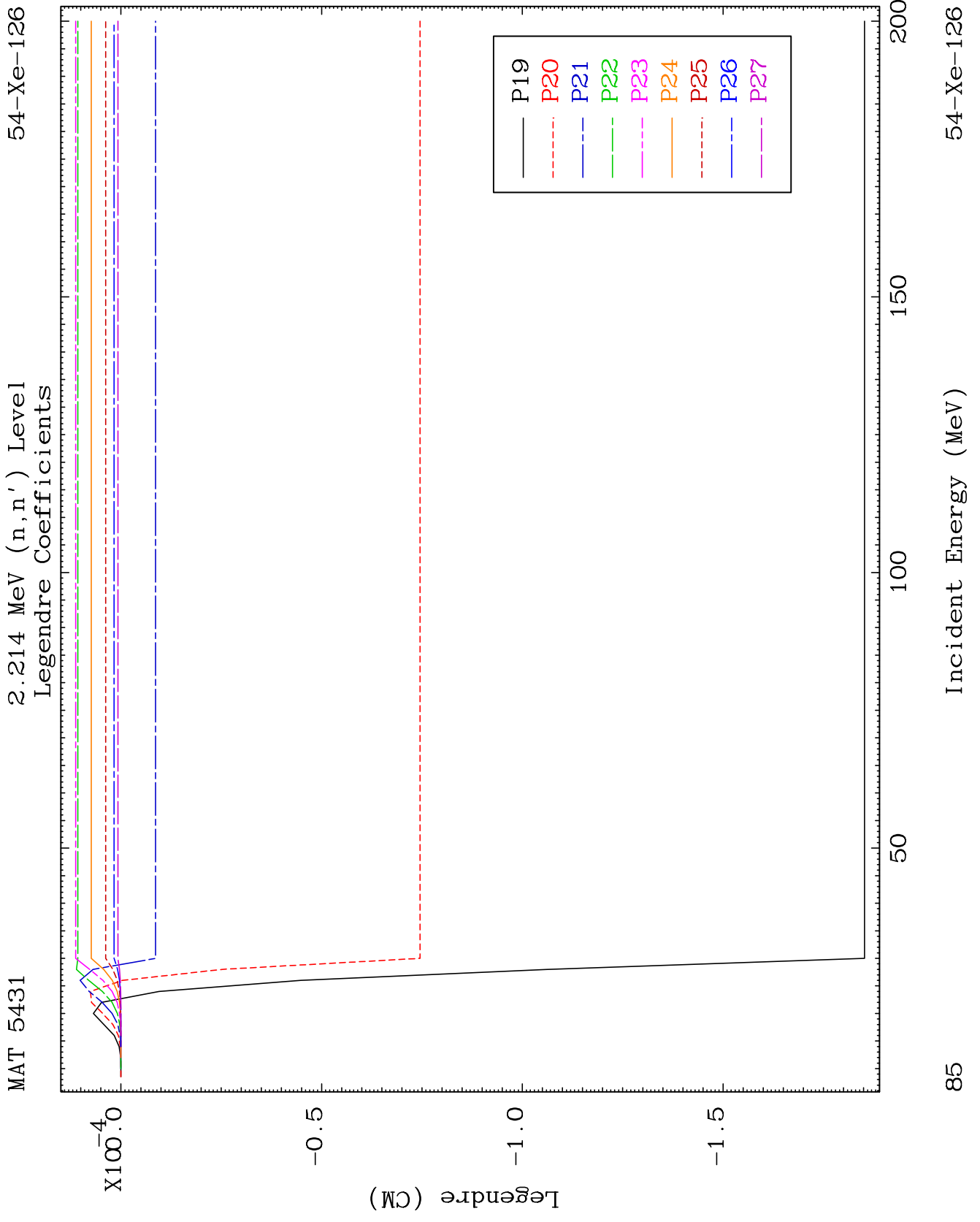








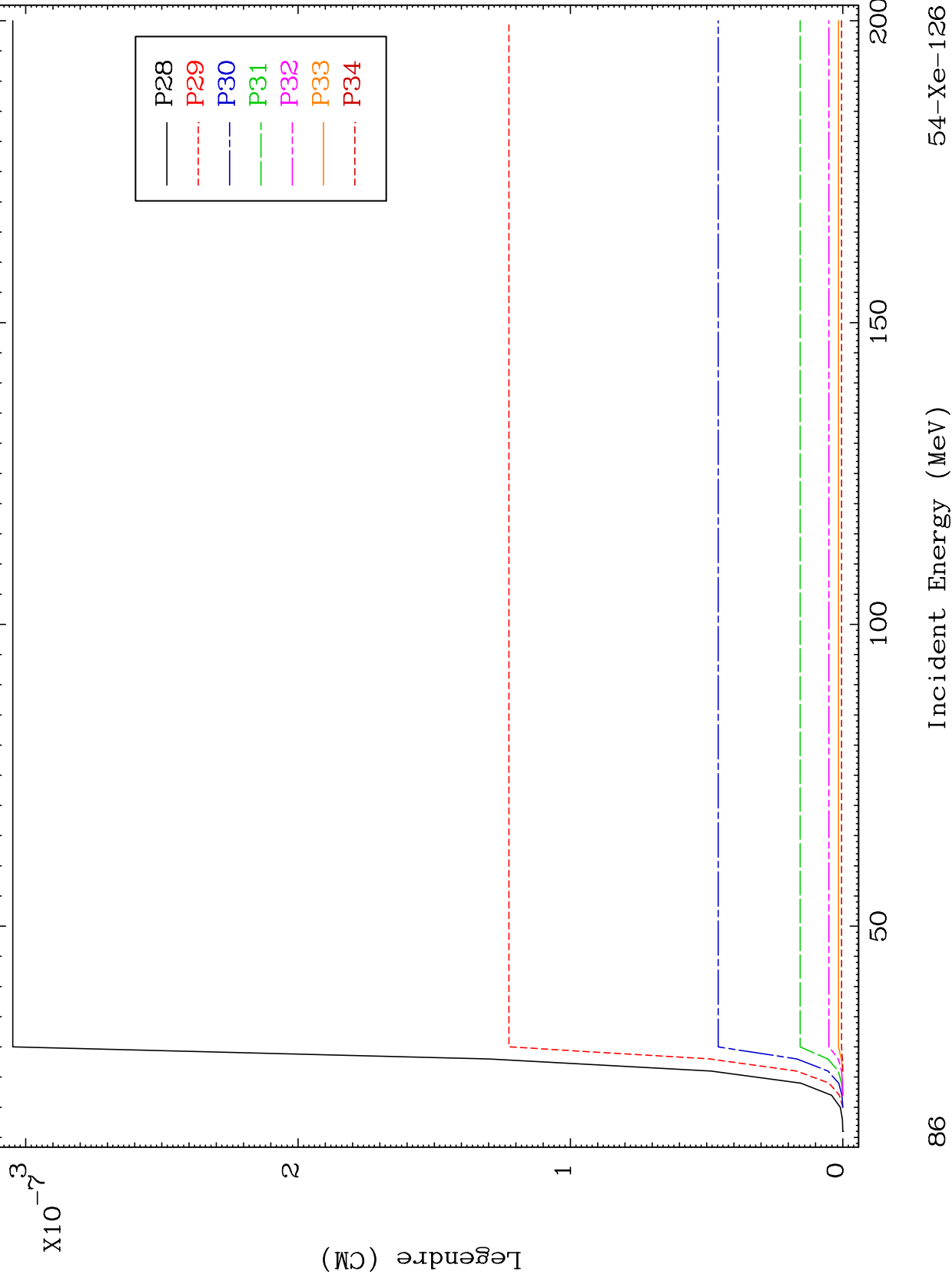




MAT 5431

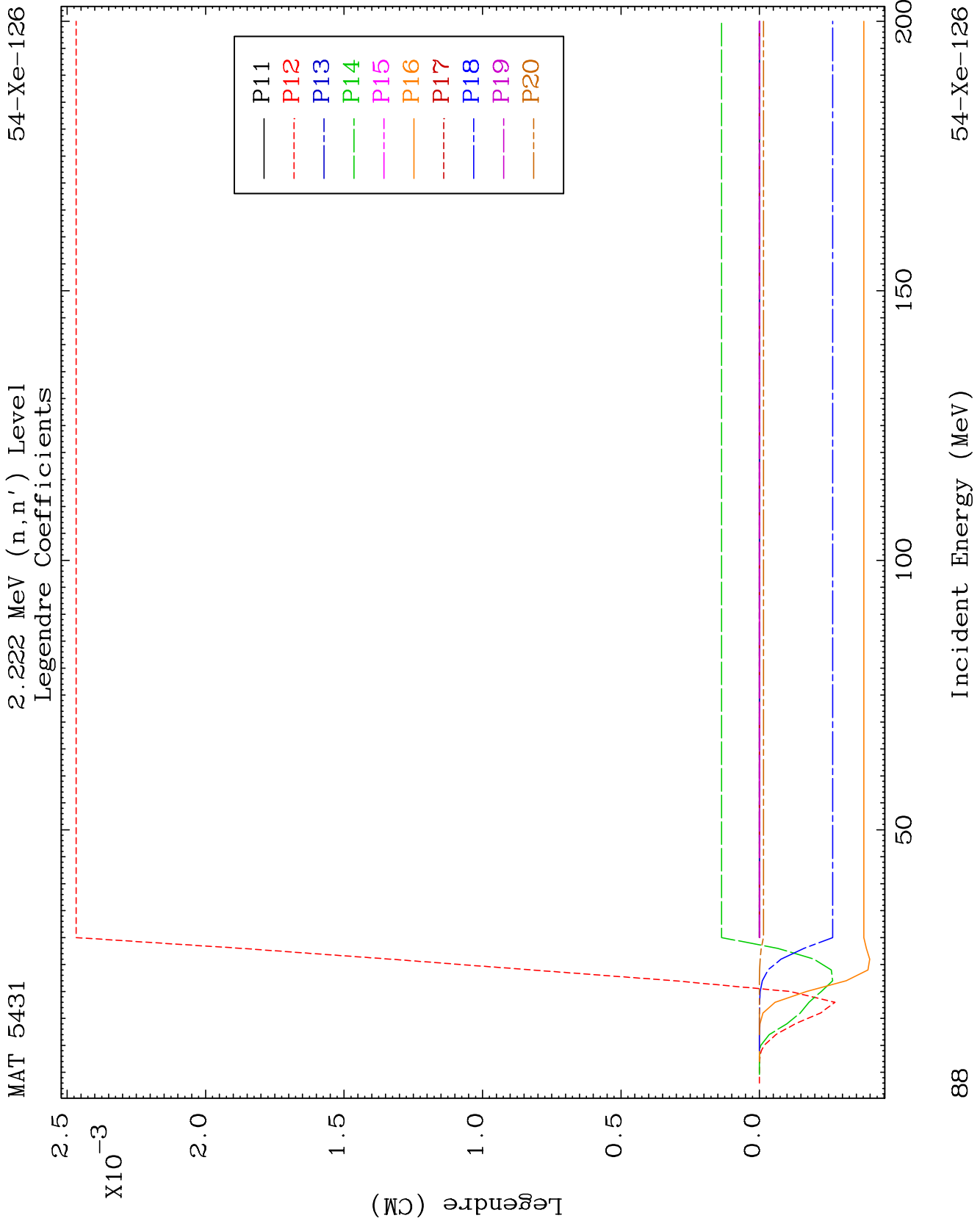
2.214 MeV (n, n') Level  
Legendre Coefficients

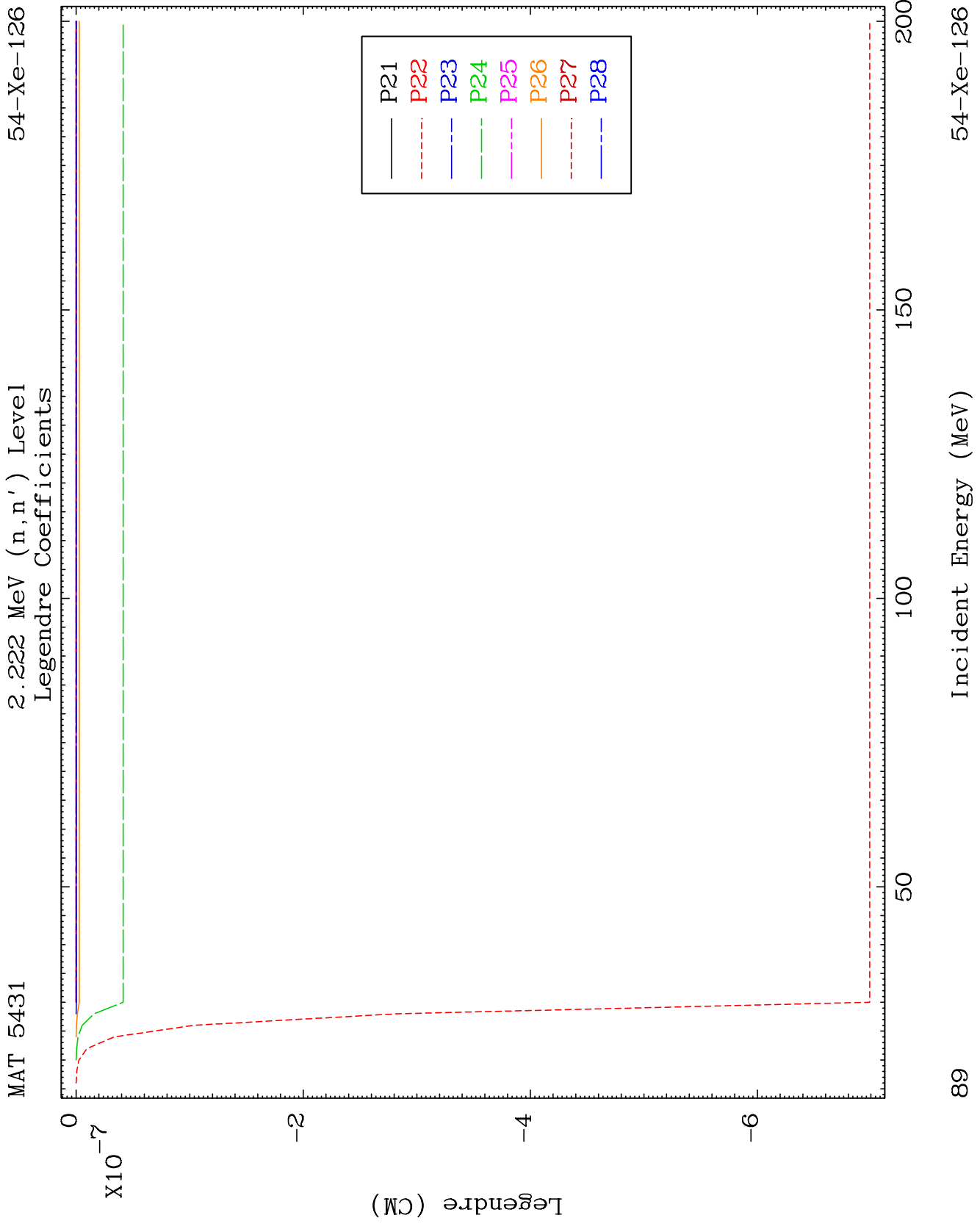
54-Xe-126

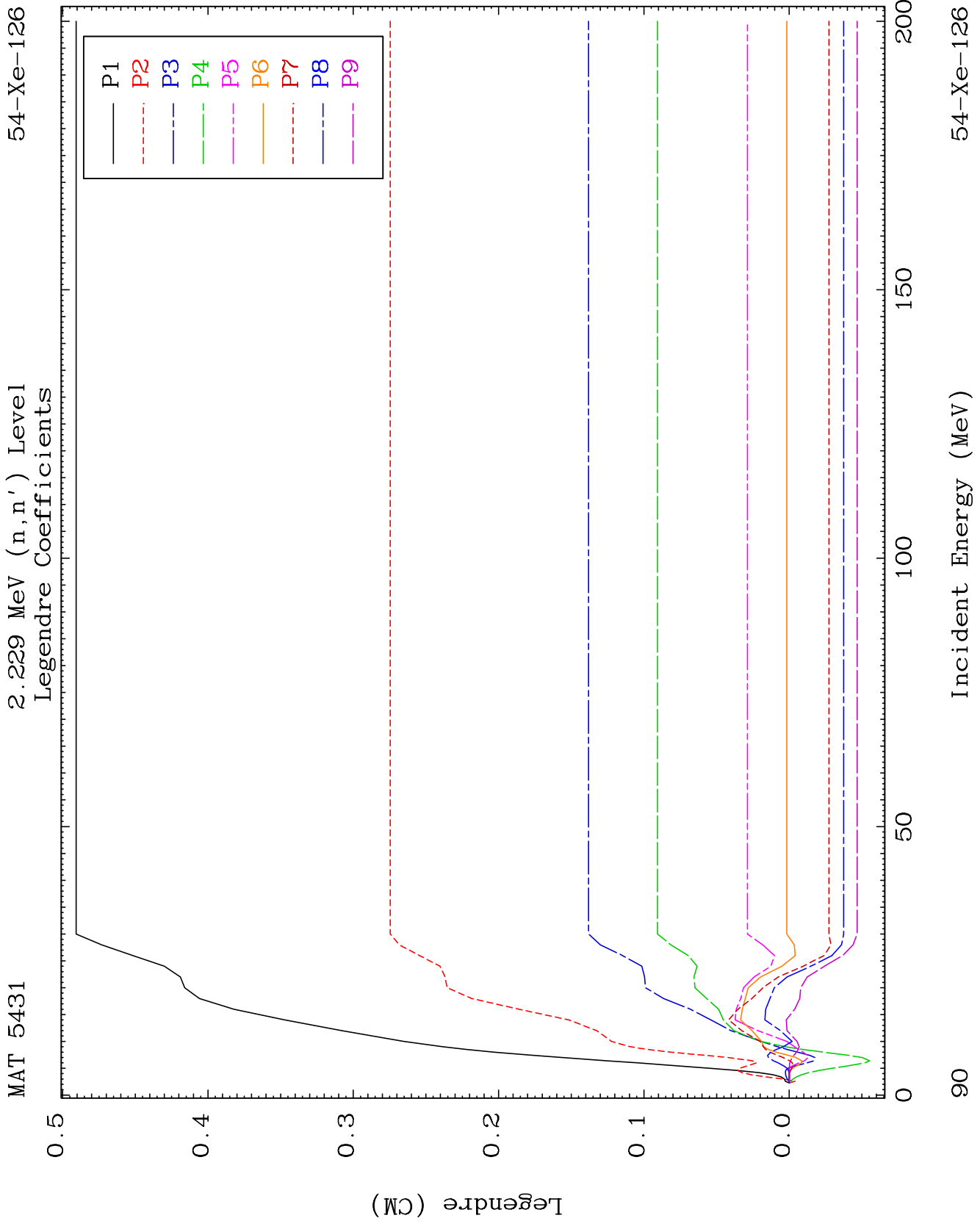


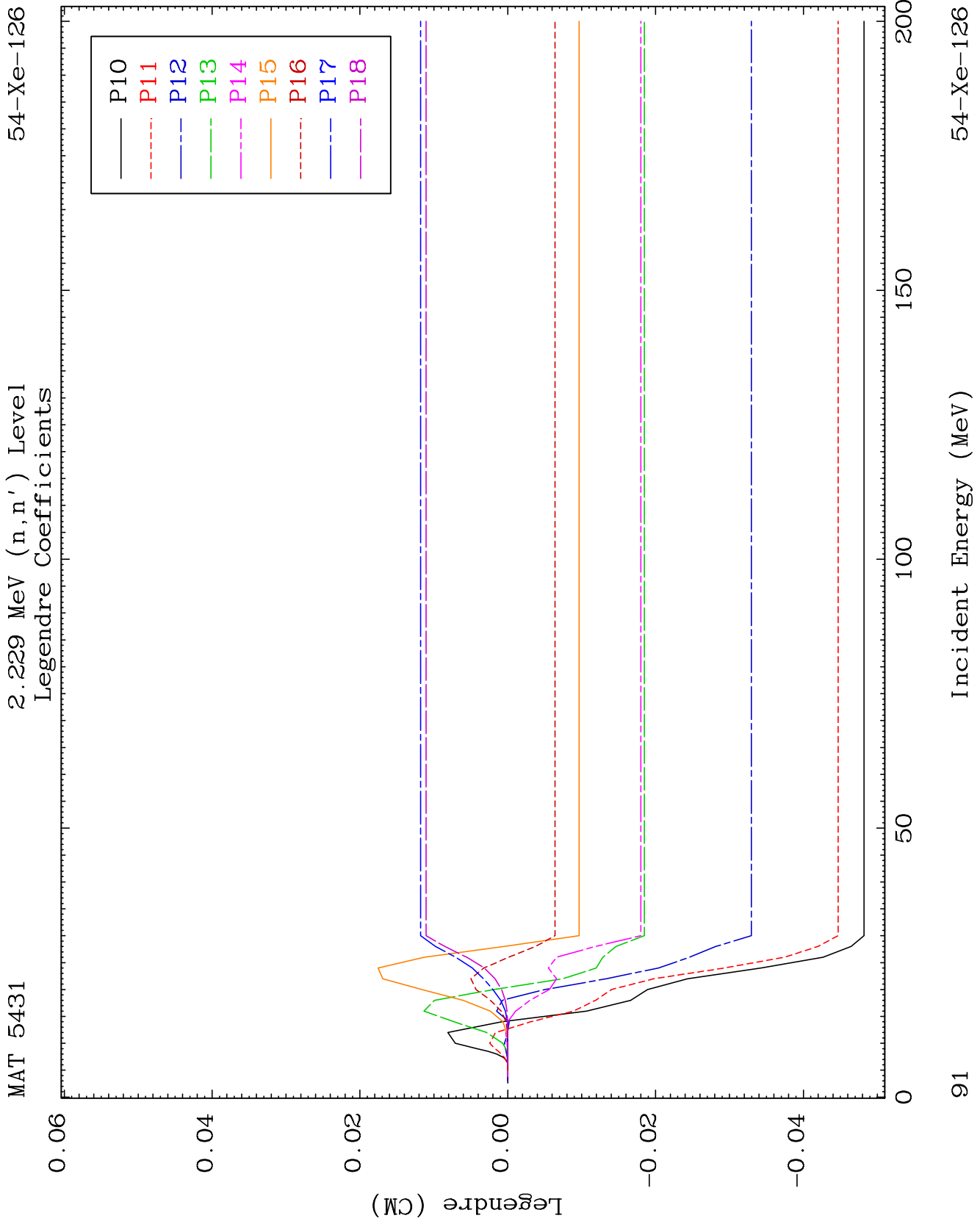








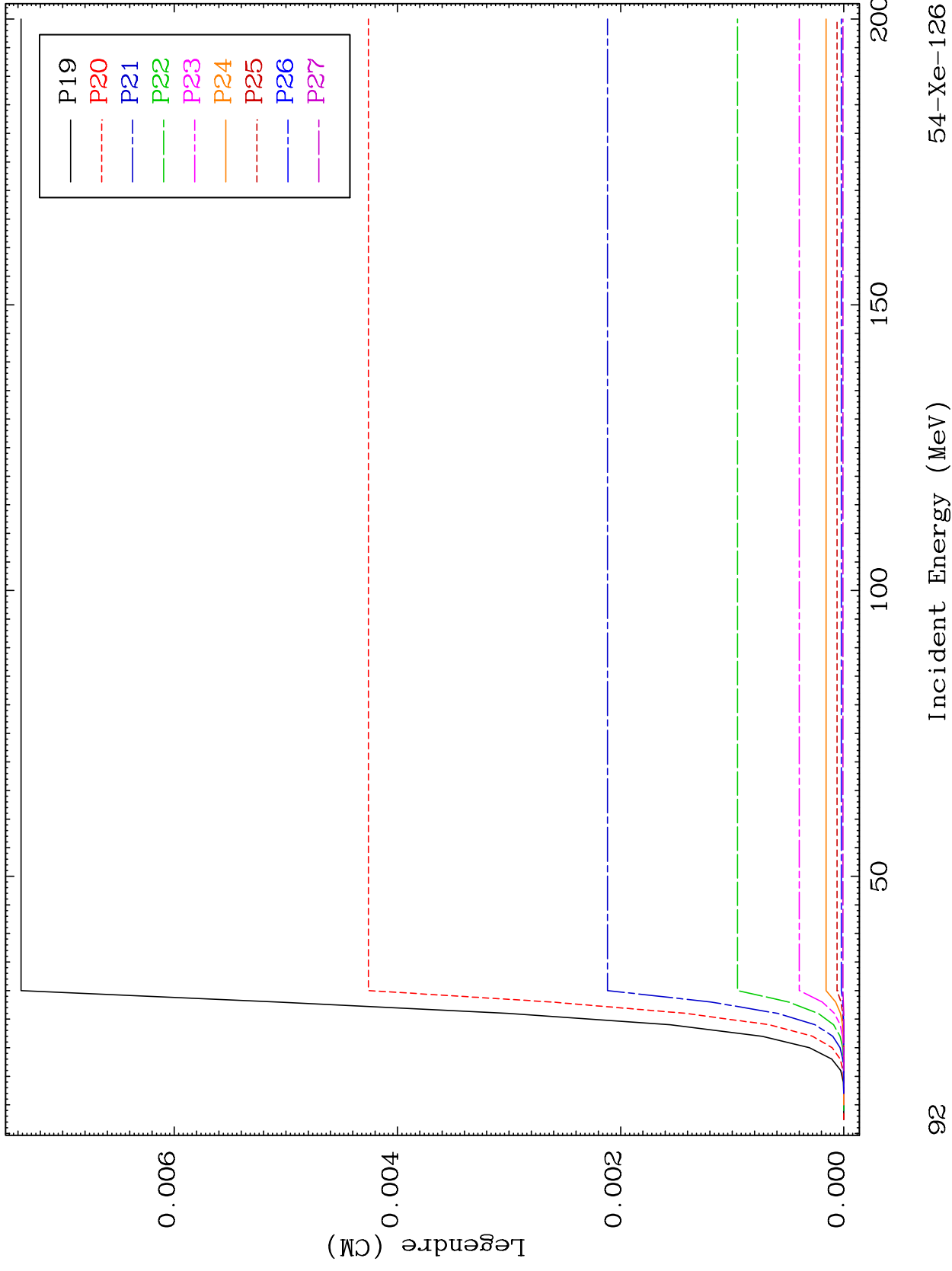




MAT 5431

2.229 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



92

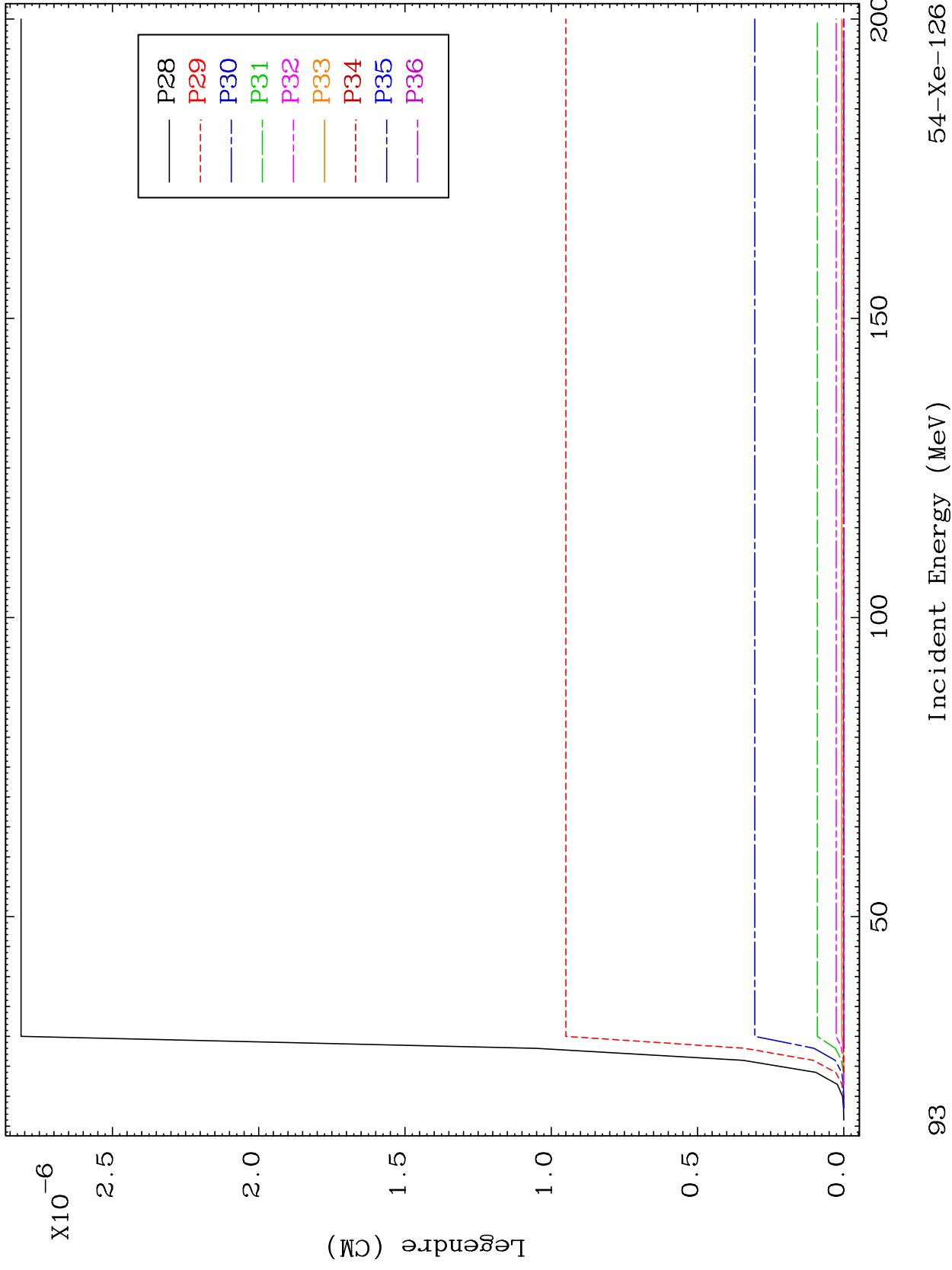
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.229 MeV (n,n') Level  
Legendre Coefficients

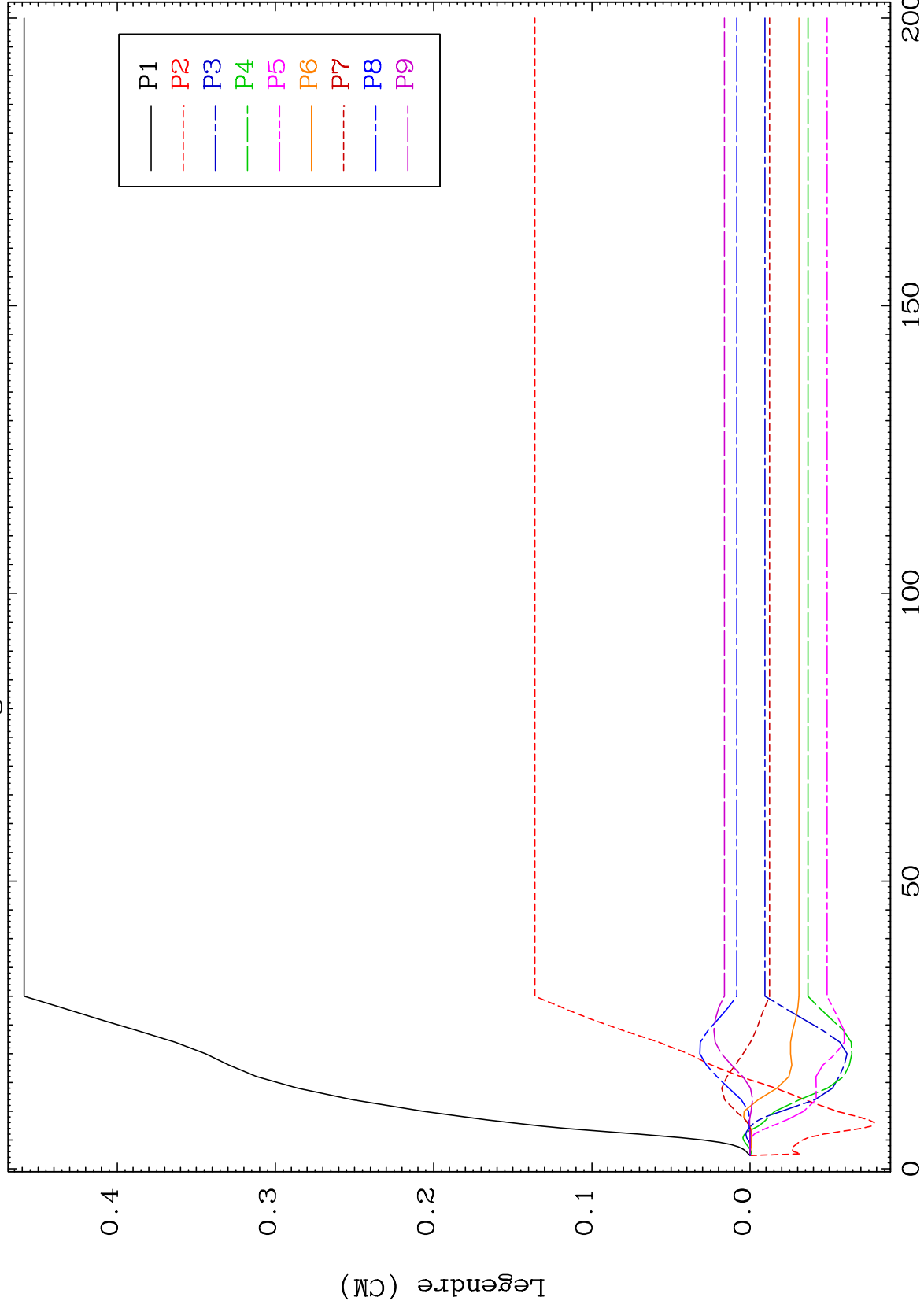
54-Xe-126



MAT 5431

2.259 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



94

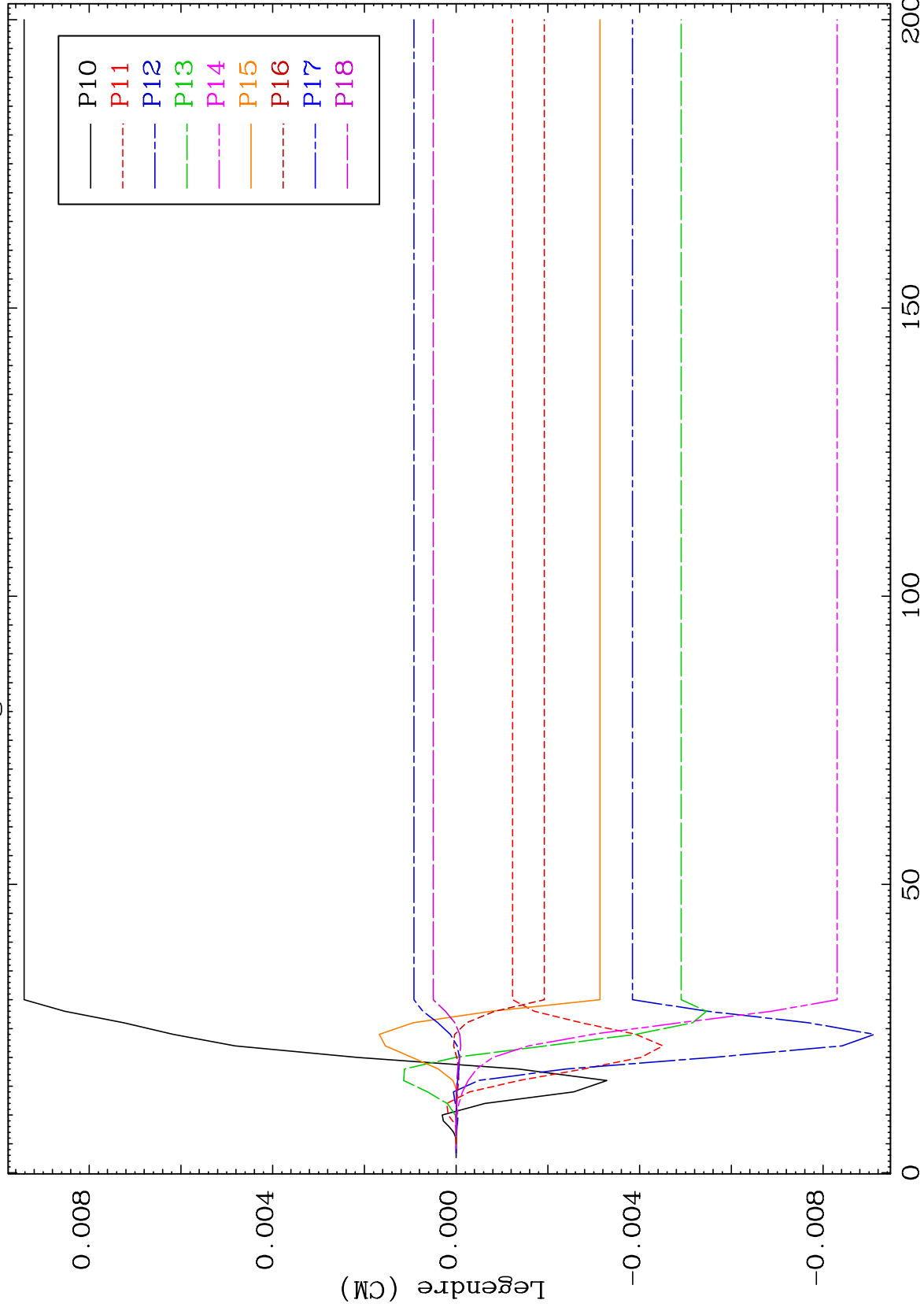
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.259 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126

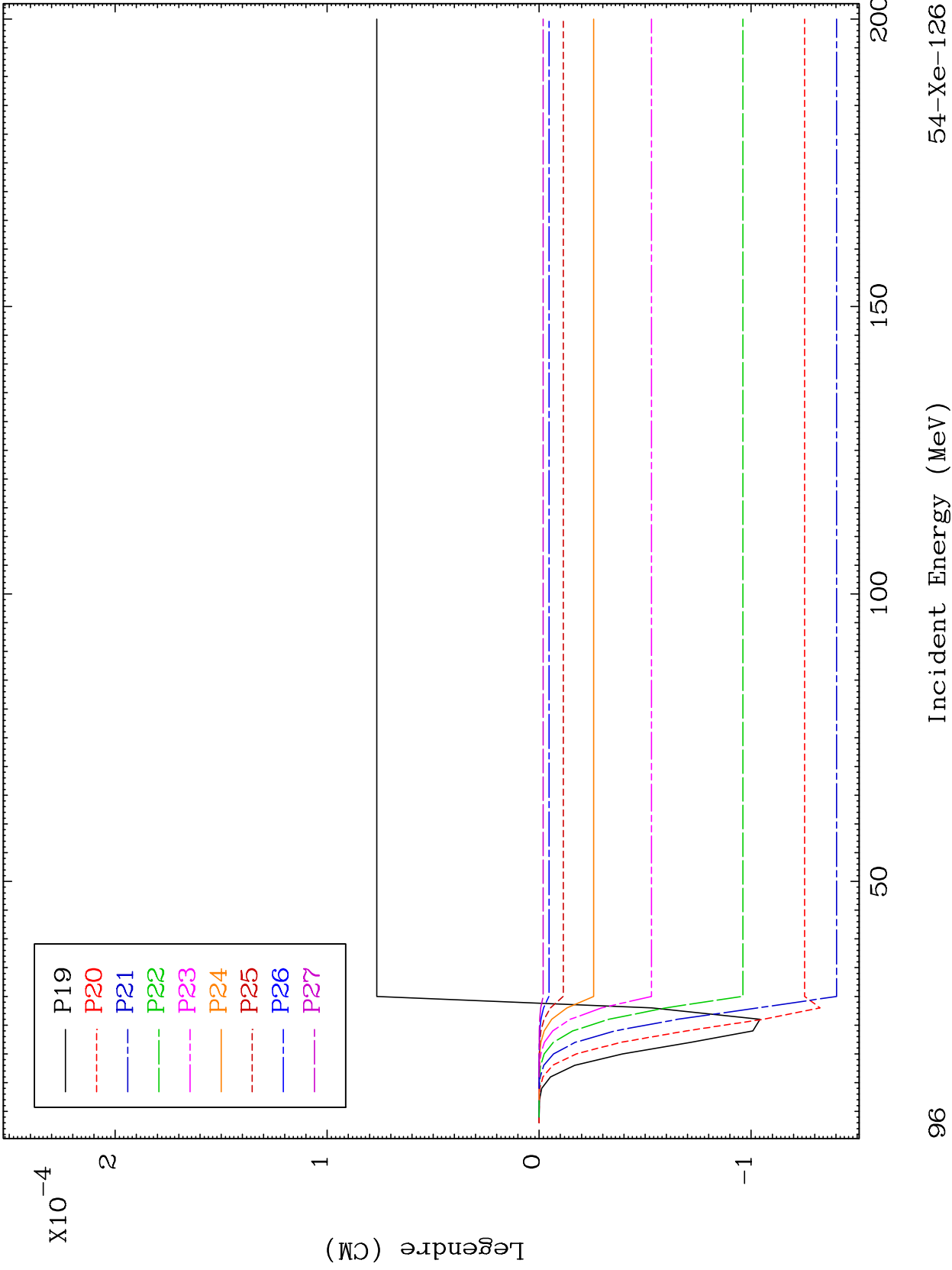


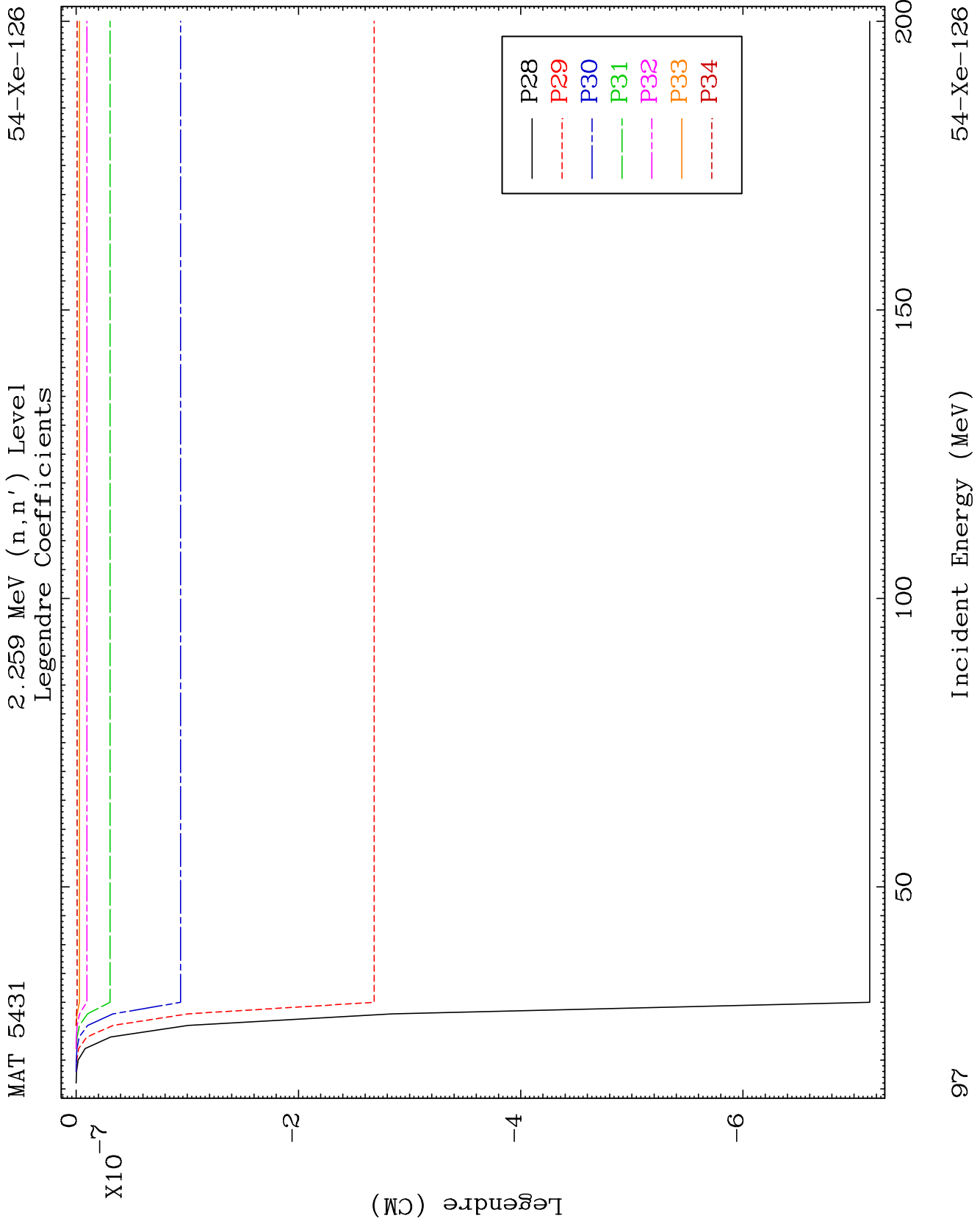
95

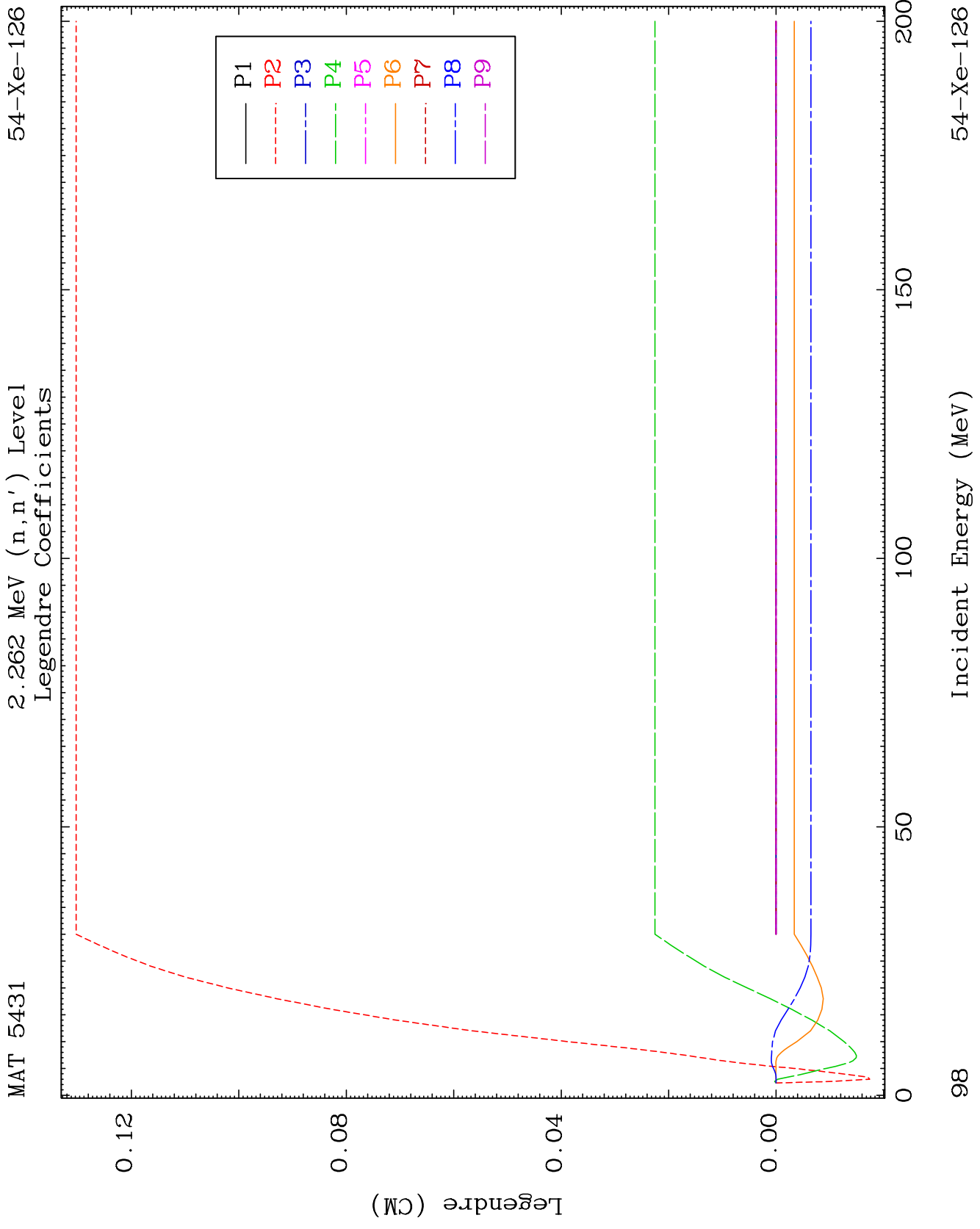
Incident Energy (MeV)

54-Xe-126





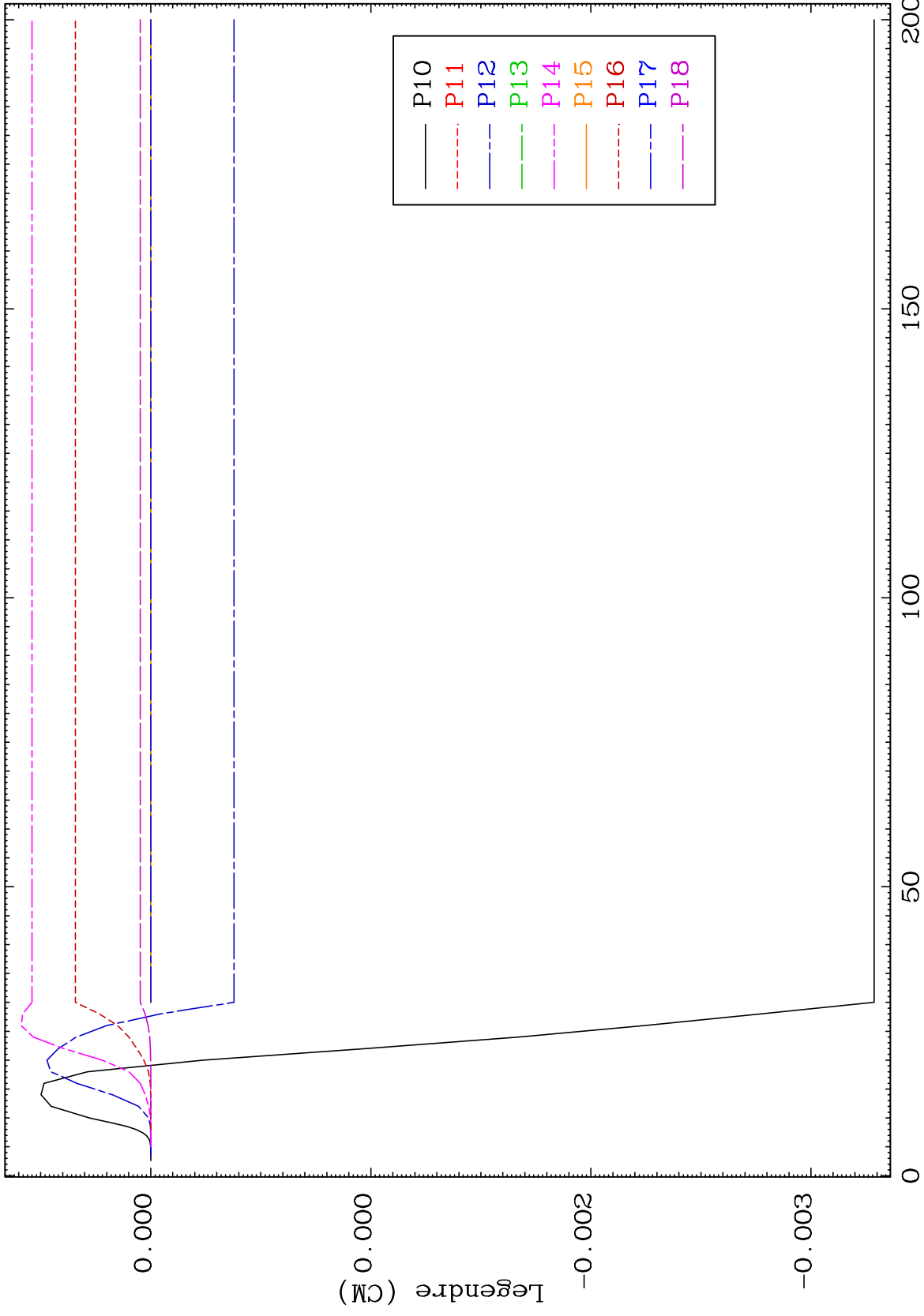




MAT 5431

2.262 MeV (n,n') Level  
Legendre Coefficients

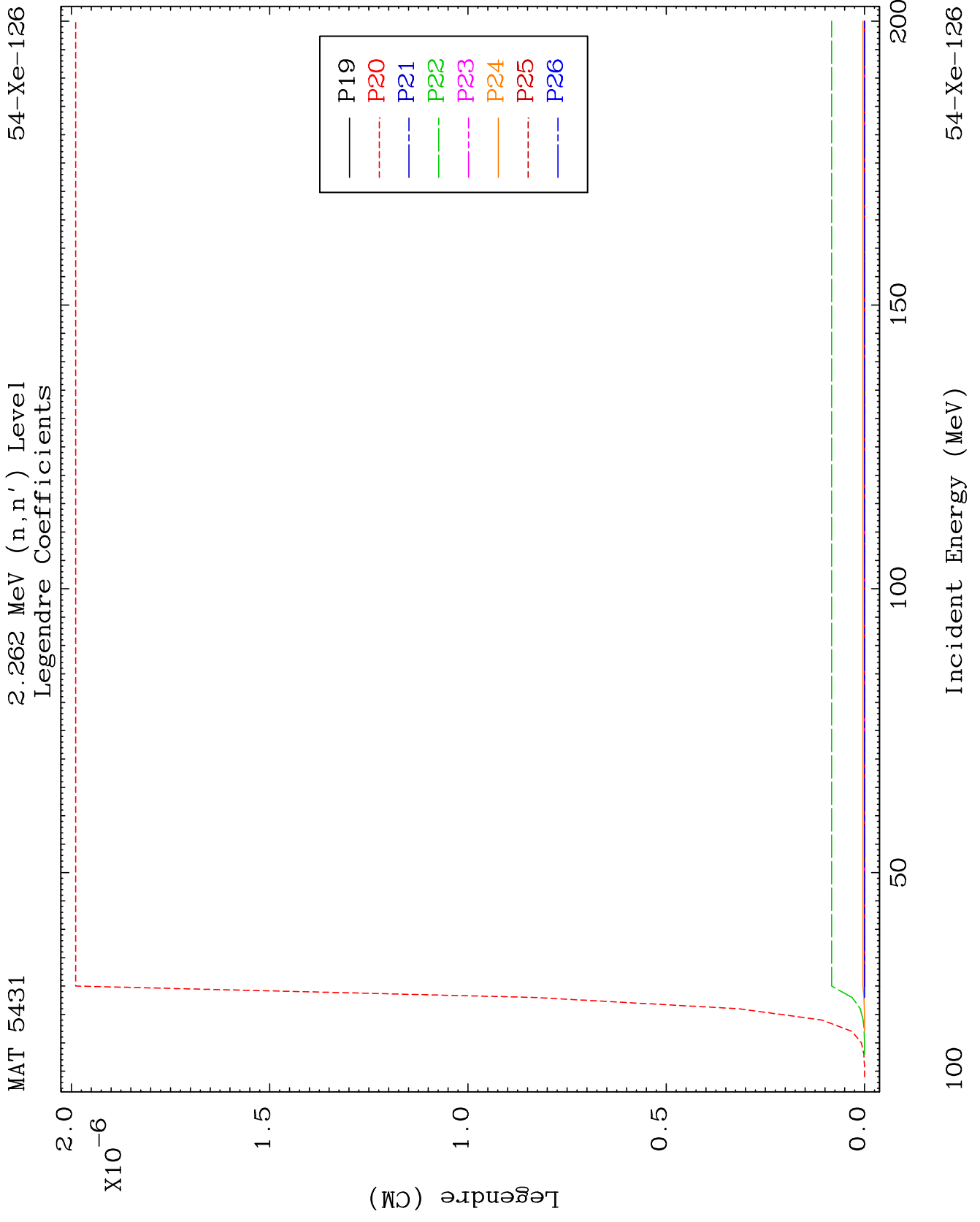
54-Xe-126



99

Incident Energy (MeV)

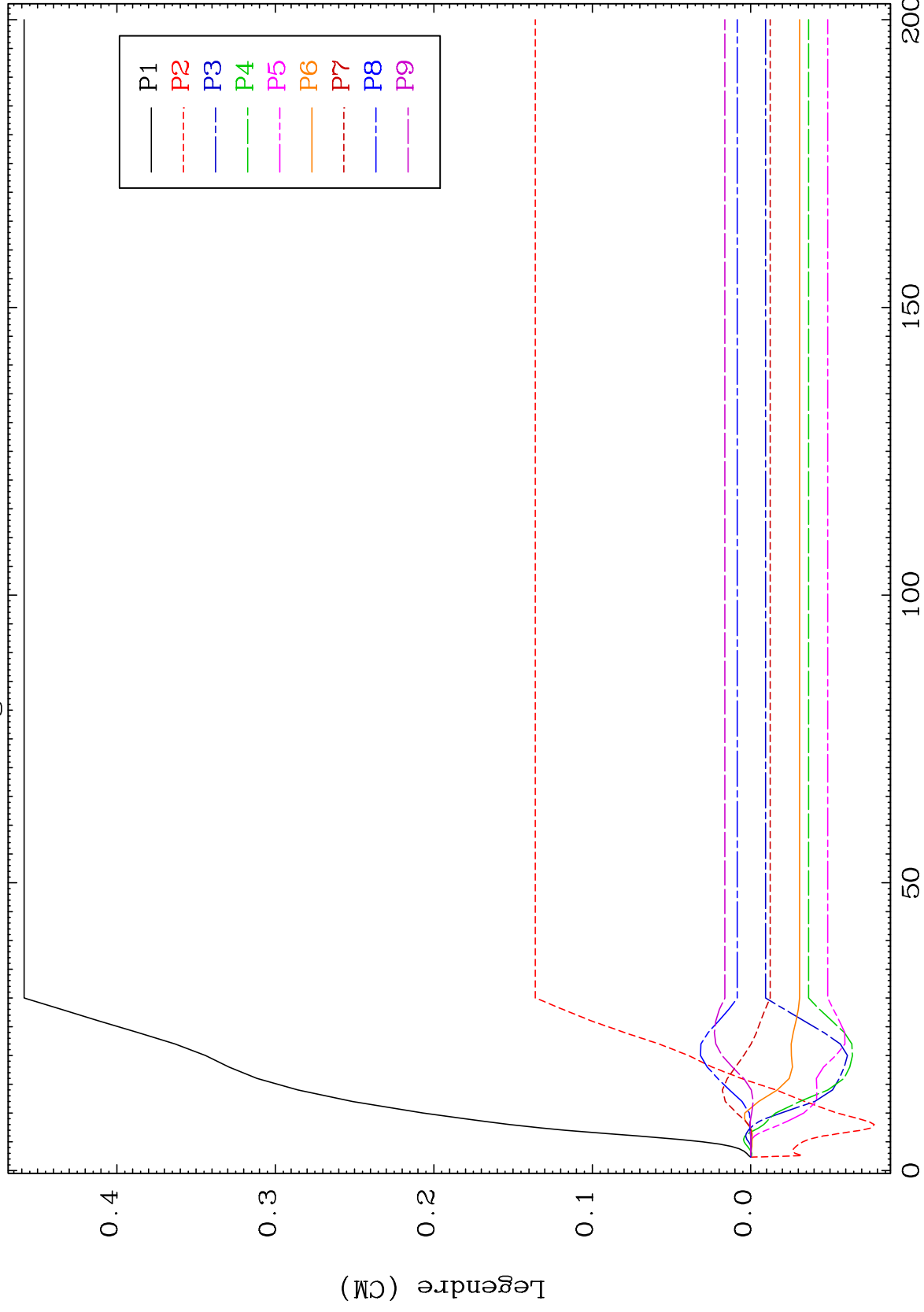
54-Xe-126



MAT 5431

2.302 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



101

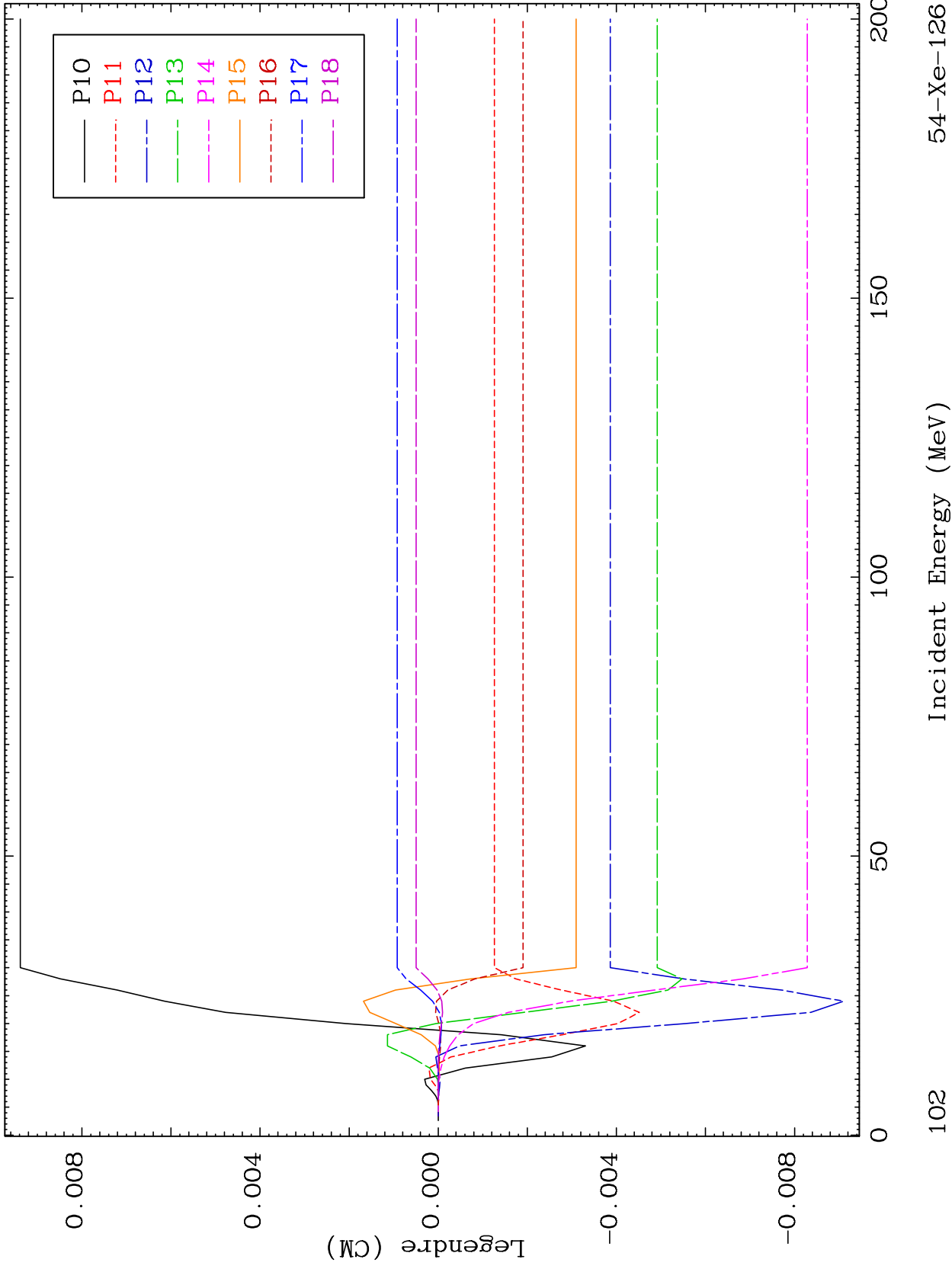
Incident Energy (MeV)

54-Xe-126

MAT 5431

2.302 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



102

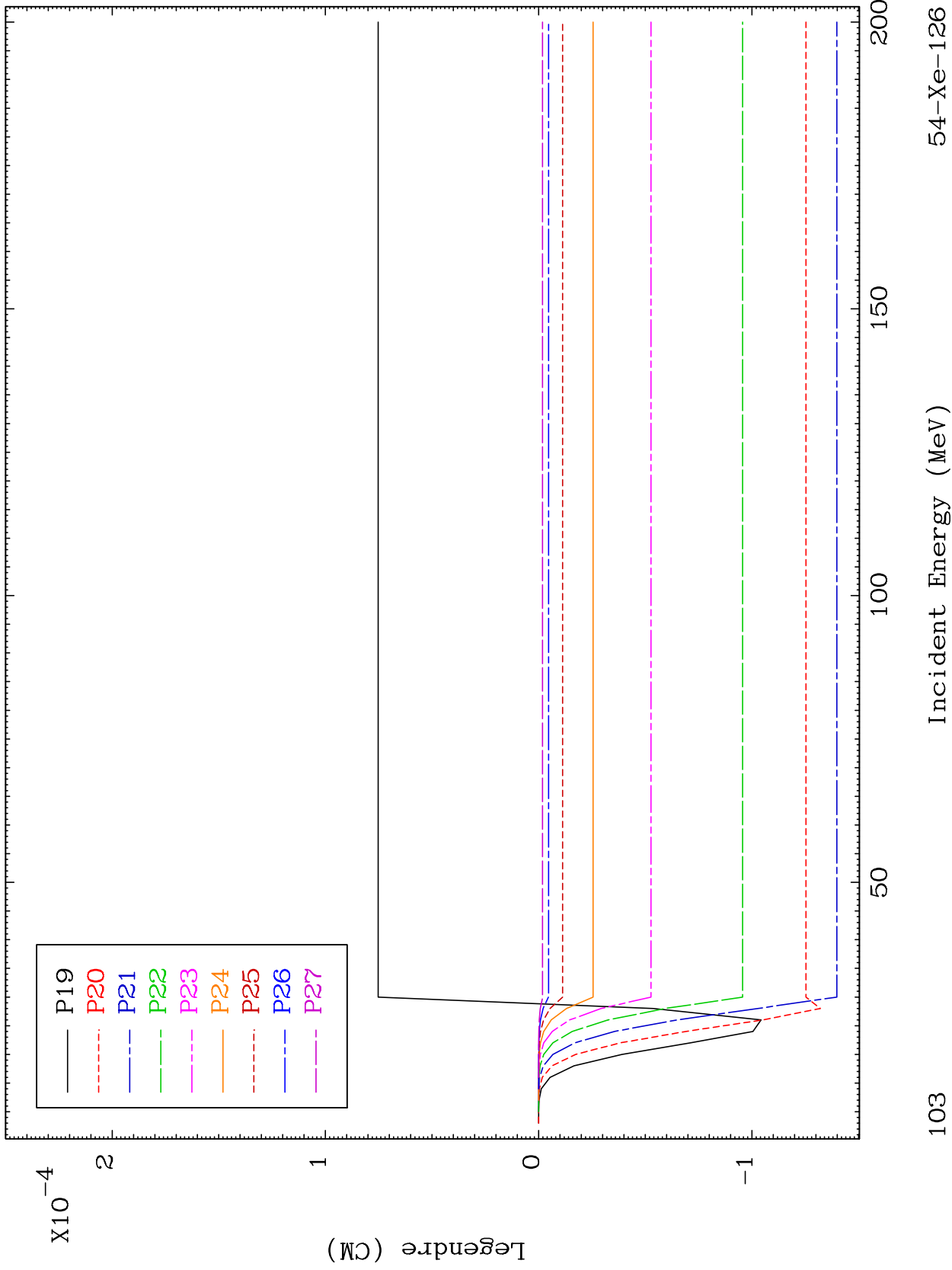
Incident Energy (MeV)

54-Xe-126

MAT 5431

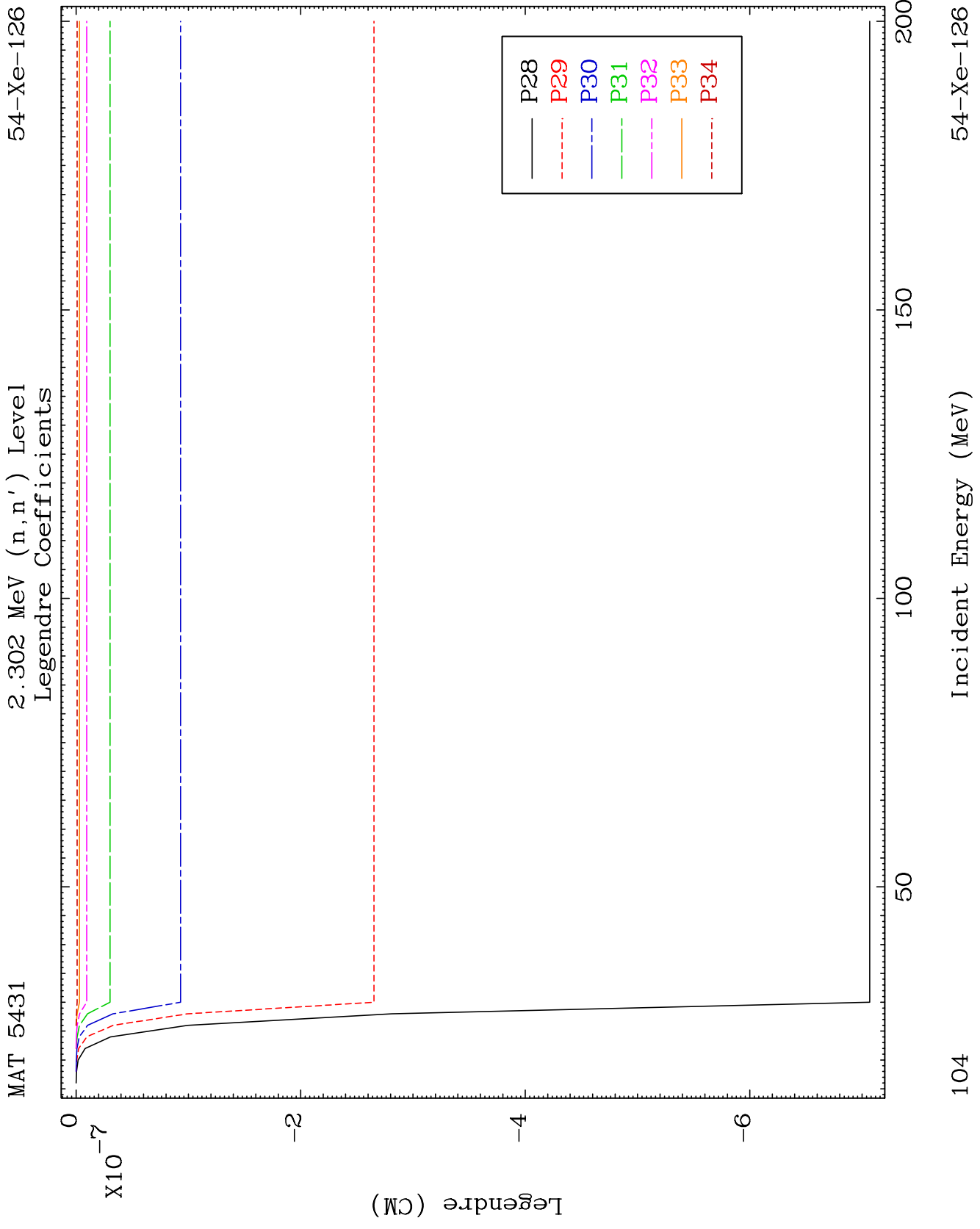
2.302 MeV (n, n') Level  
Legendre Coefficients

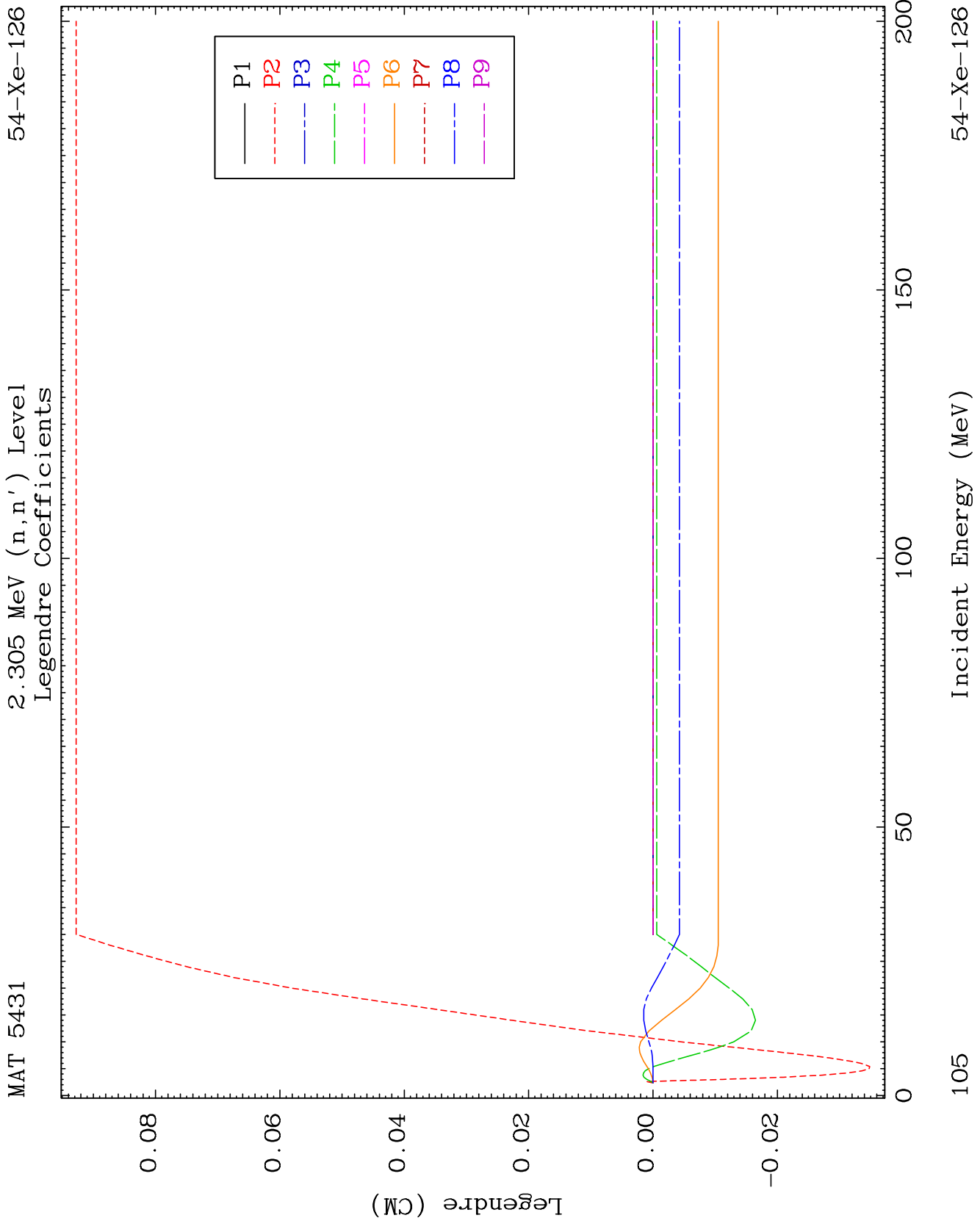
54-Xe-126



103



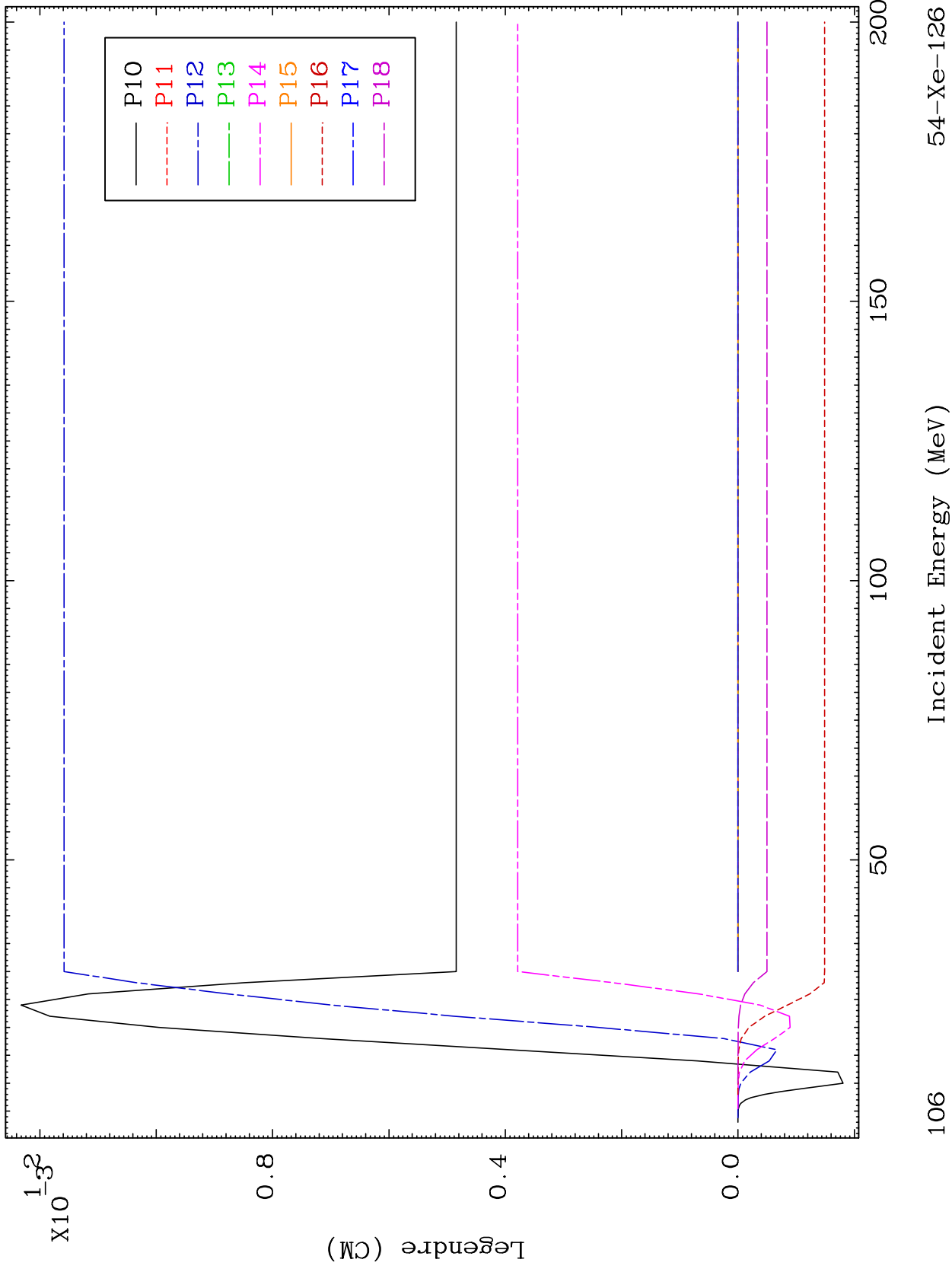




MAT 5431

2.305 MeV (n,n') Level  
Legendre Coefficients

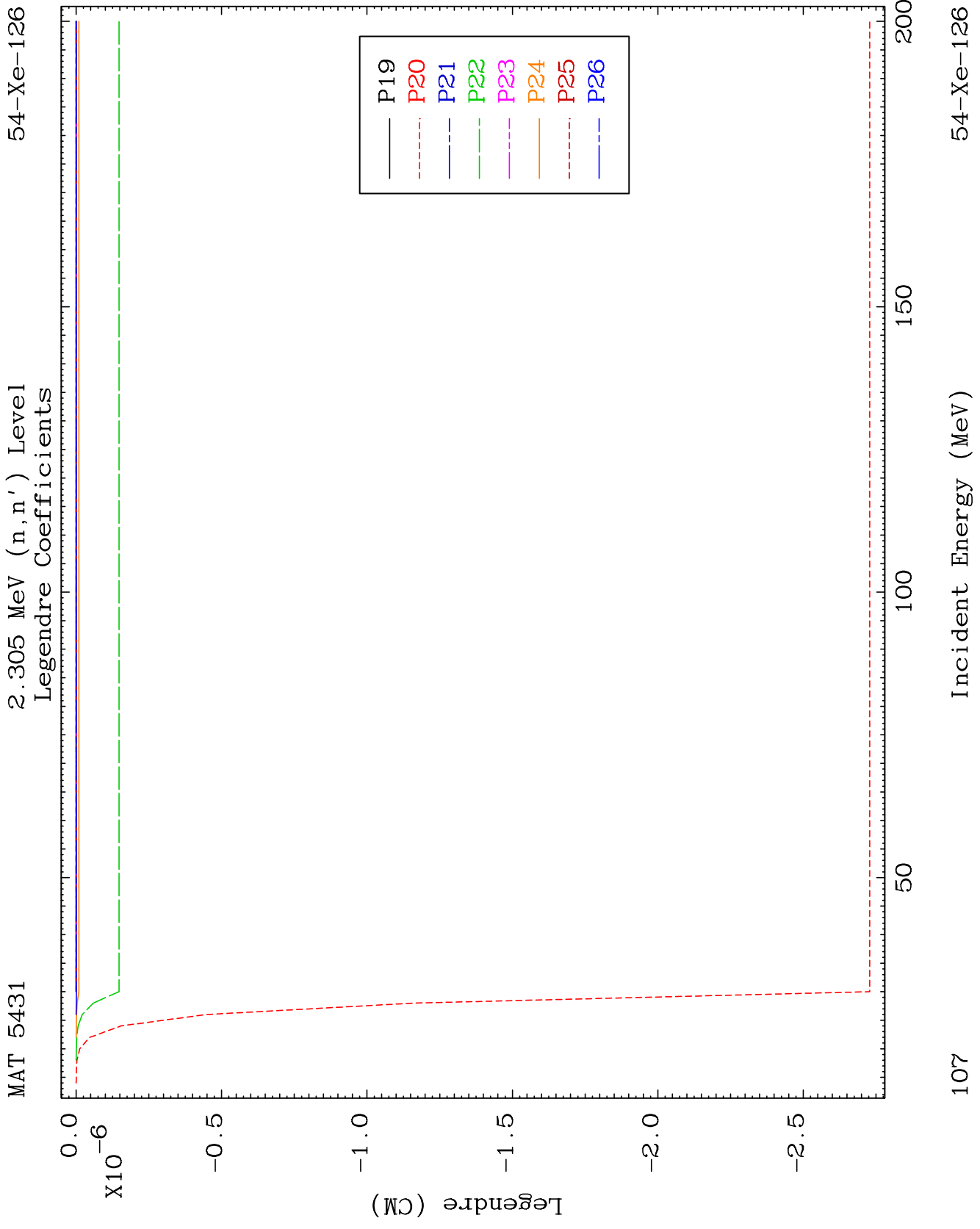
54-Xe-126

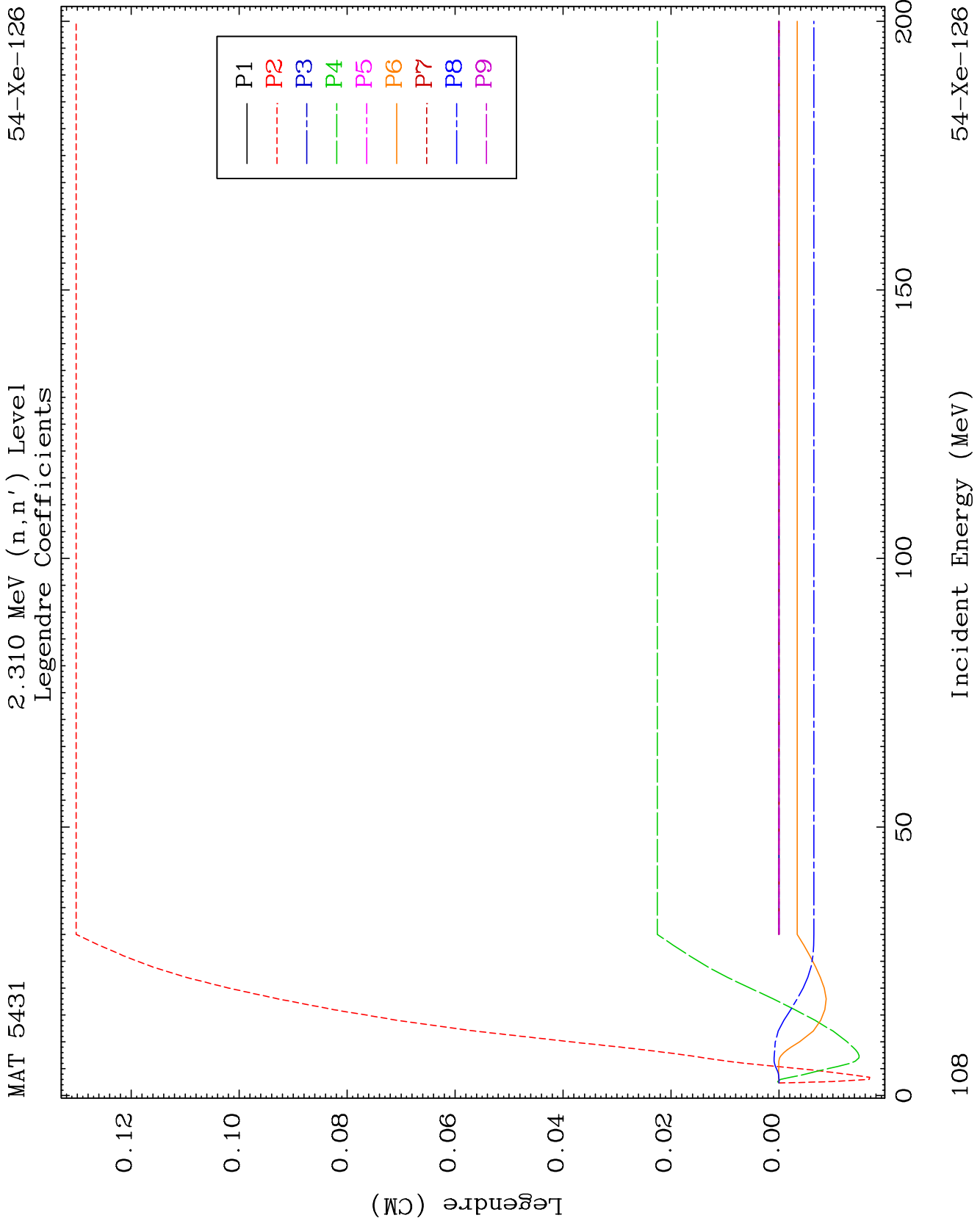


106

Incident Energy (MeV)

54-Xe-126

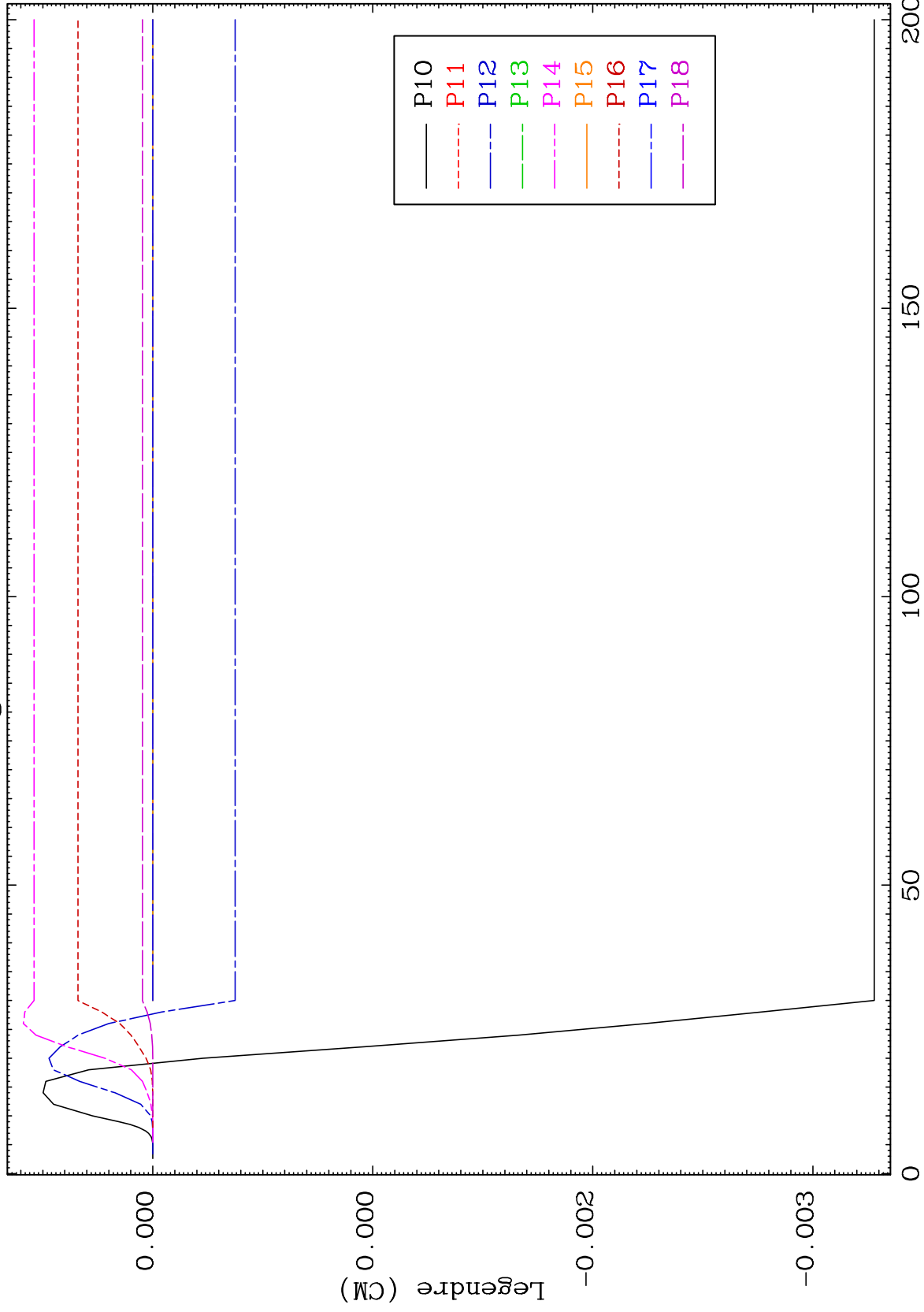




MAT 5431

2.310 MeV (n,n') Level  
Legendre Coefficients

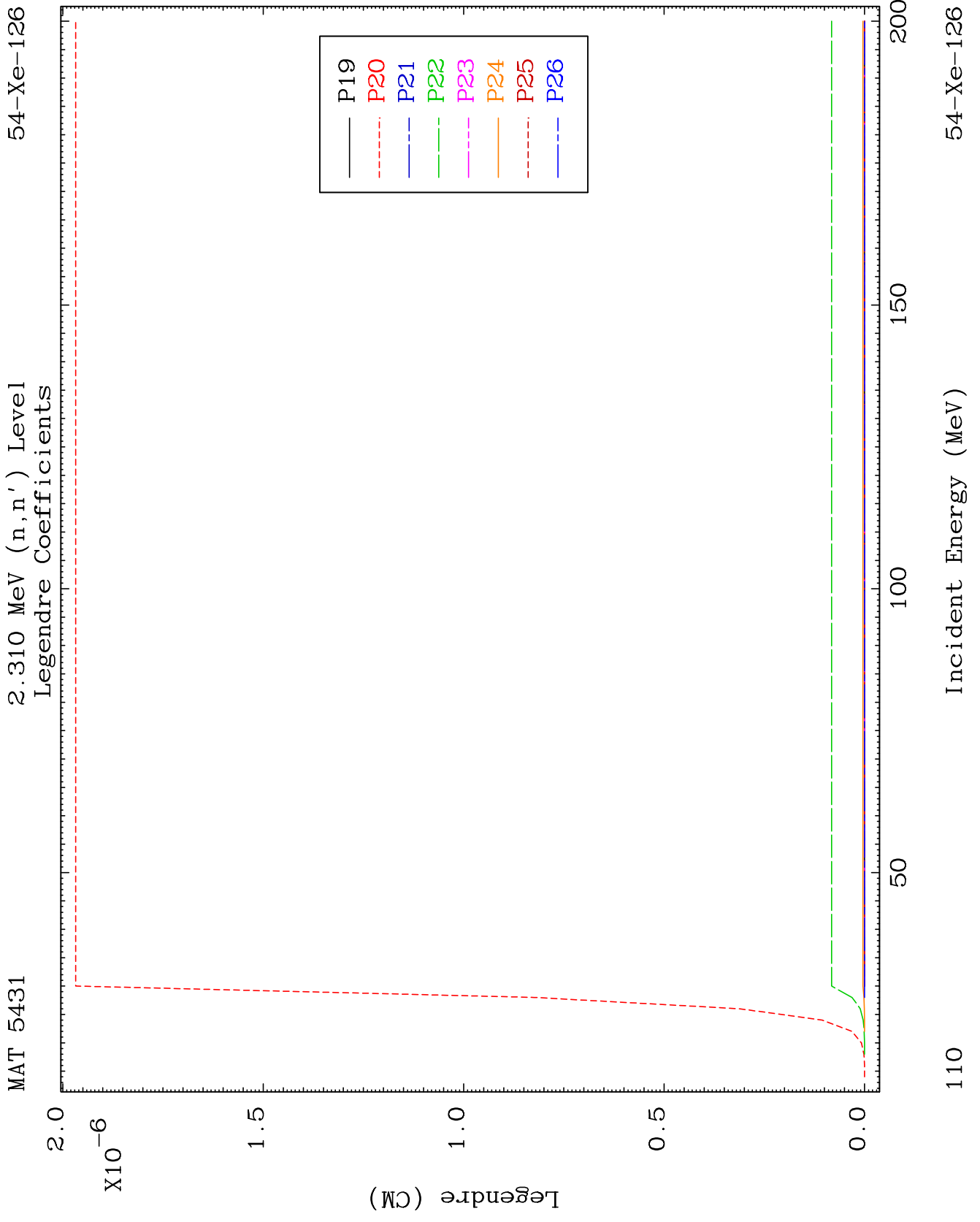
54-Xe-126



109

Incident Energy (MeV)

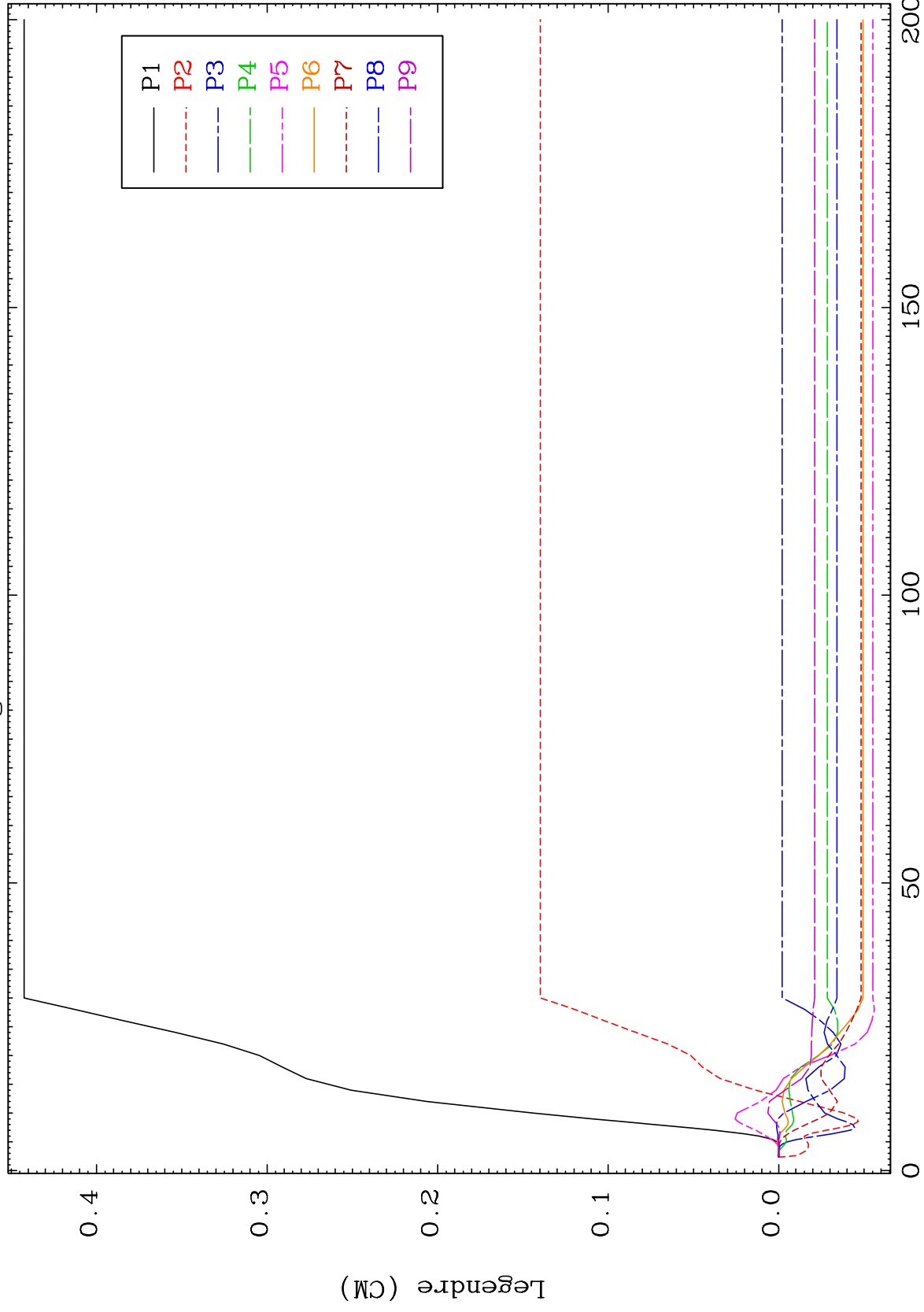
54-Xe-126



MAT 5431

2.315 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



111

Incident Energy (MeV)

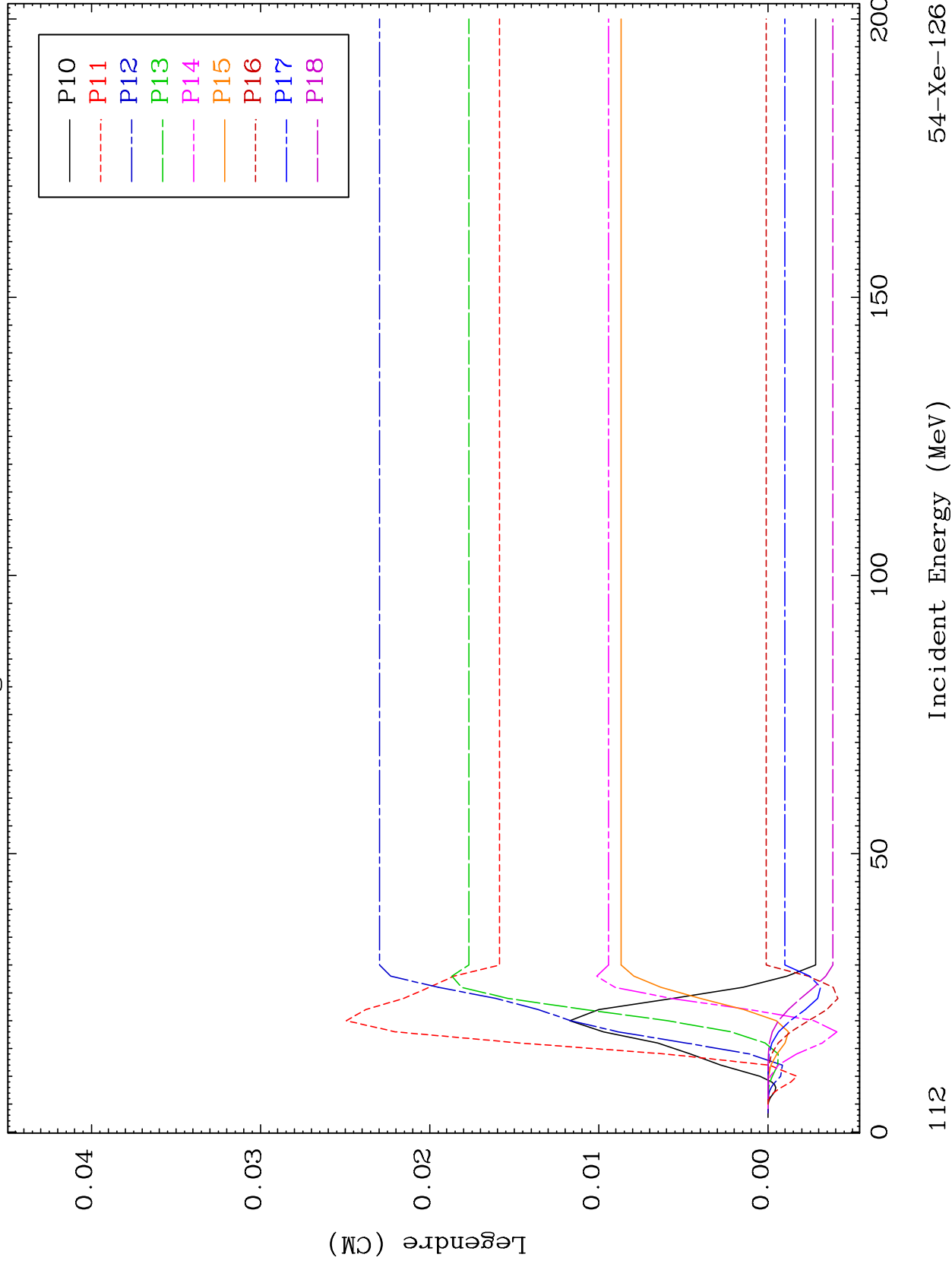
54-Xe-126



MAT 5431

2.315 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

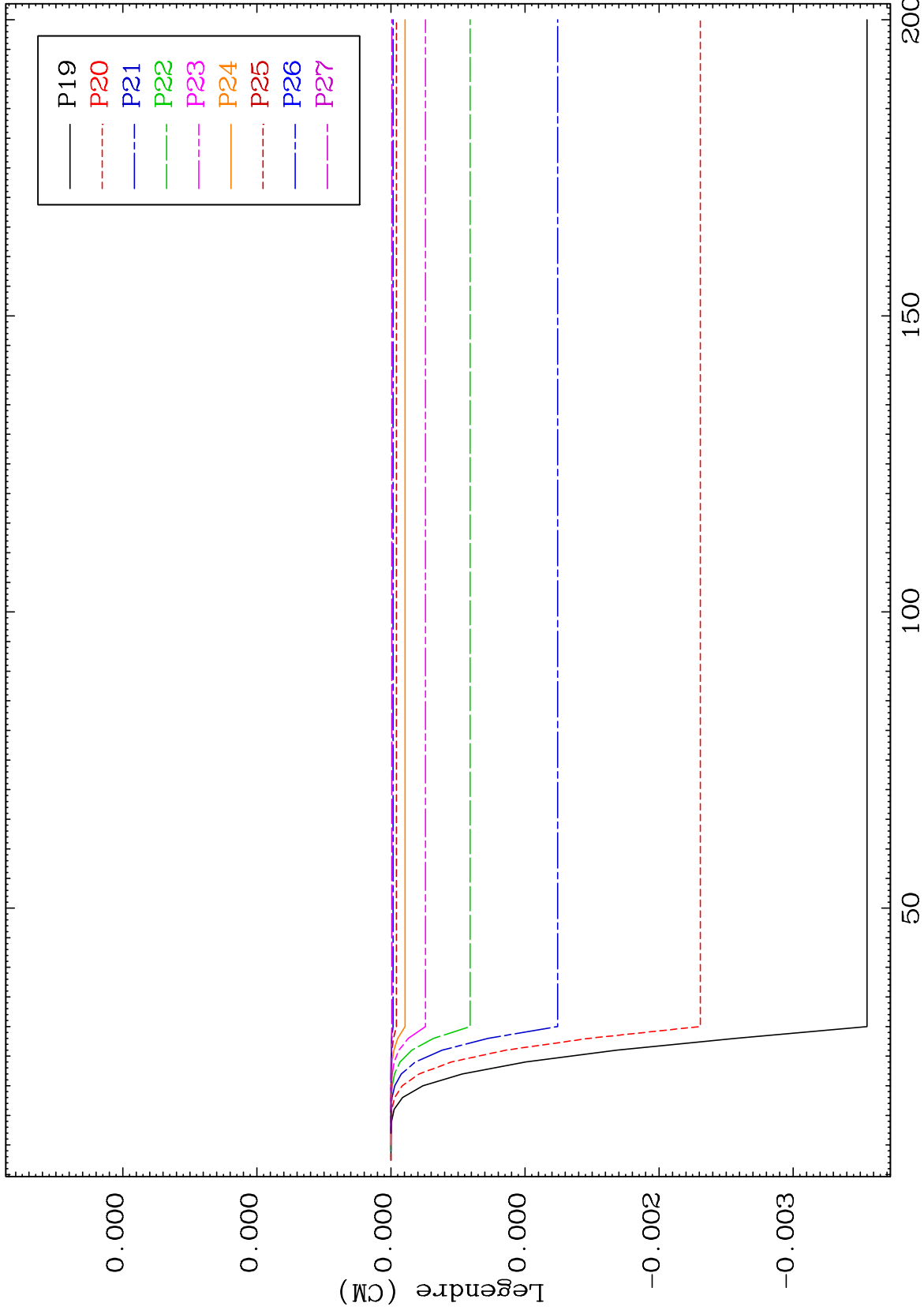
Incident Energy (MeV)

112

MAT 5431

2.315 MeV (n,n') Level  
Legendre Coefficients

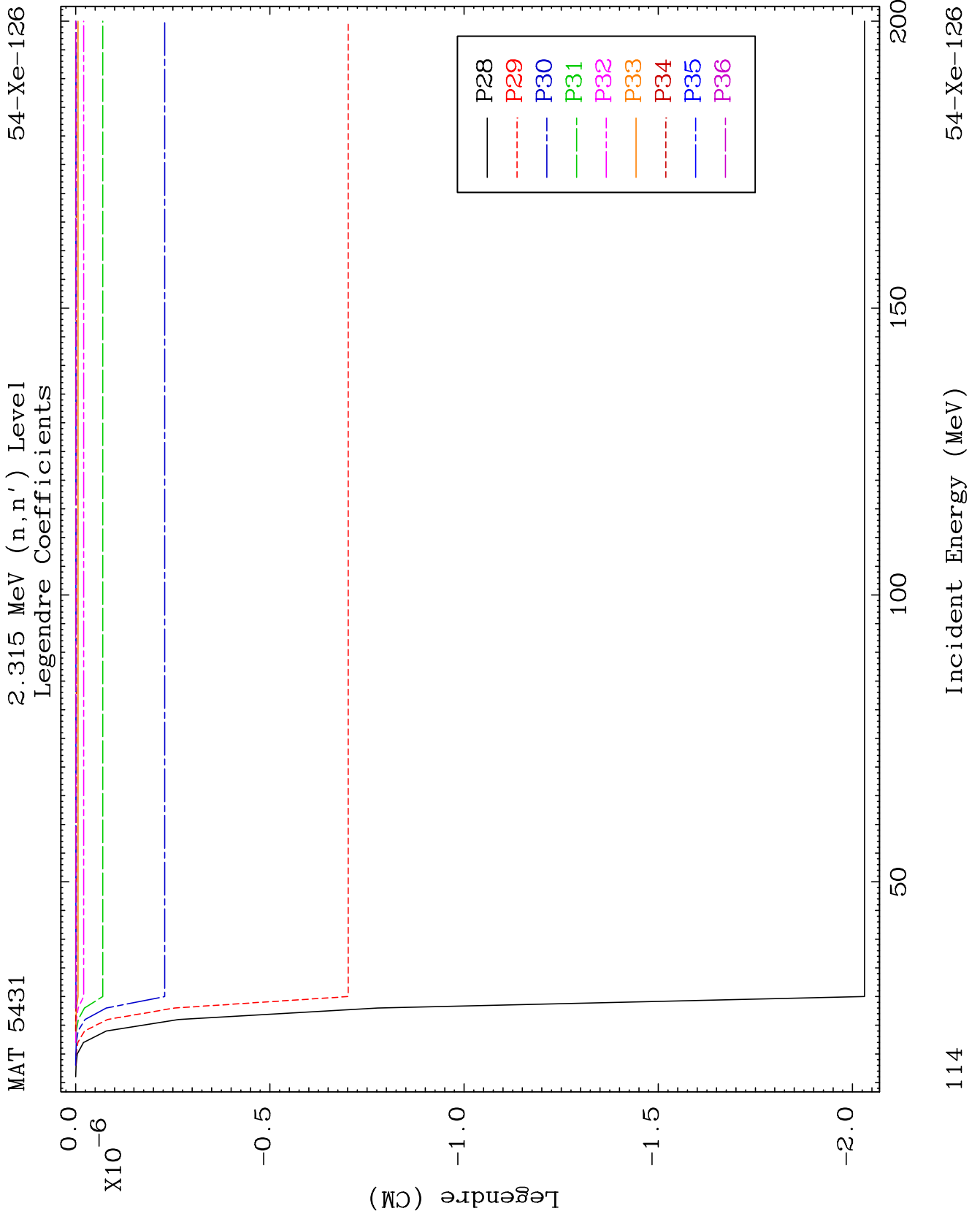
54-Xe-126



113

Incident Energy (MeV)

54-Xe-126

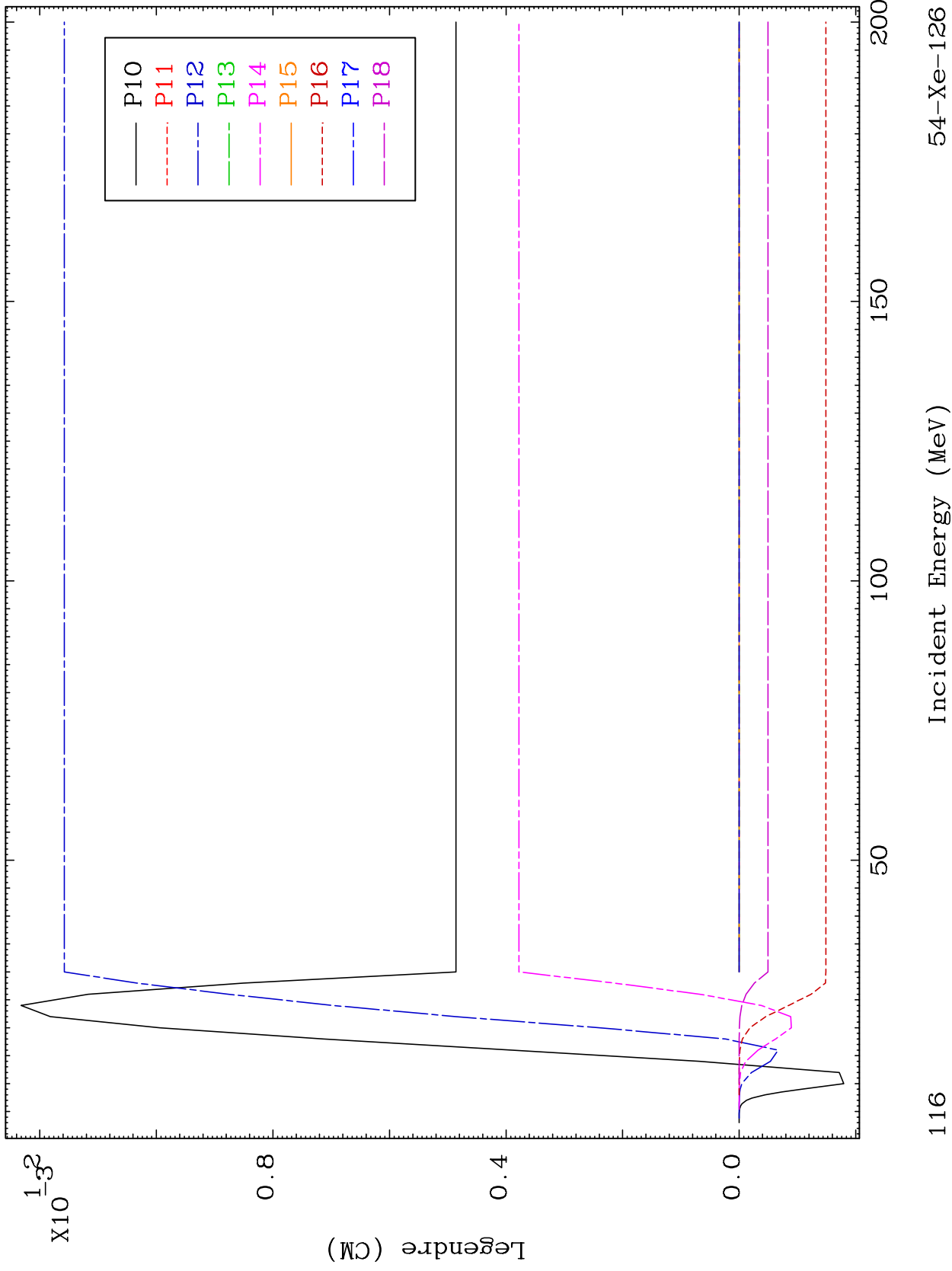




MAT 5431

2.322 MeV (n,n') Level  
Legendre Coefficients

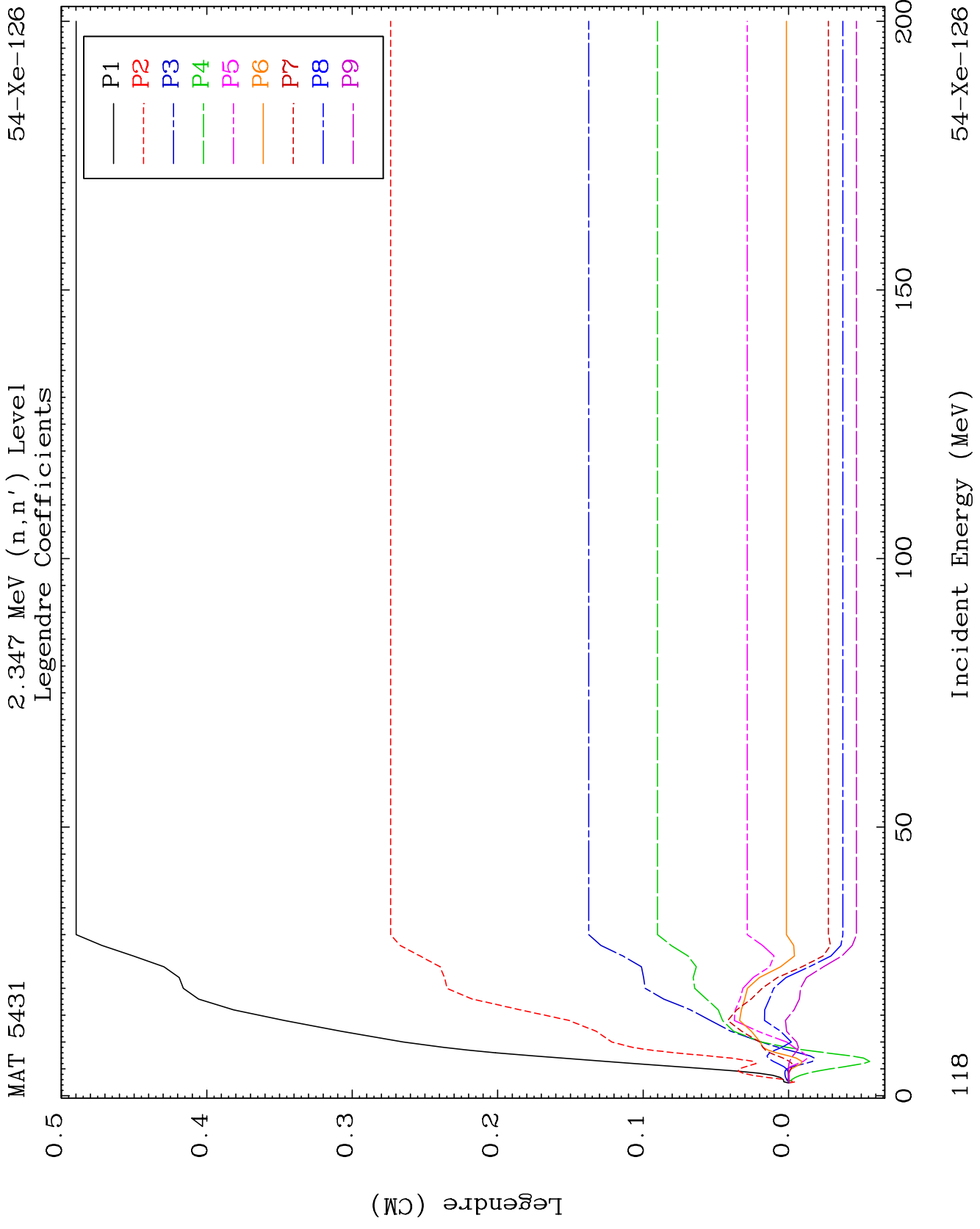
54-Xe-126

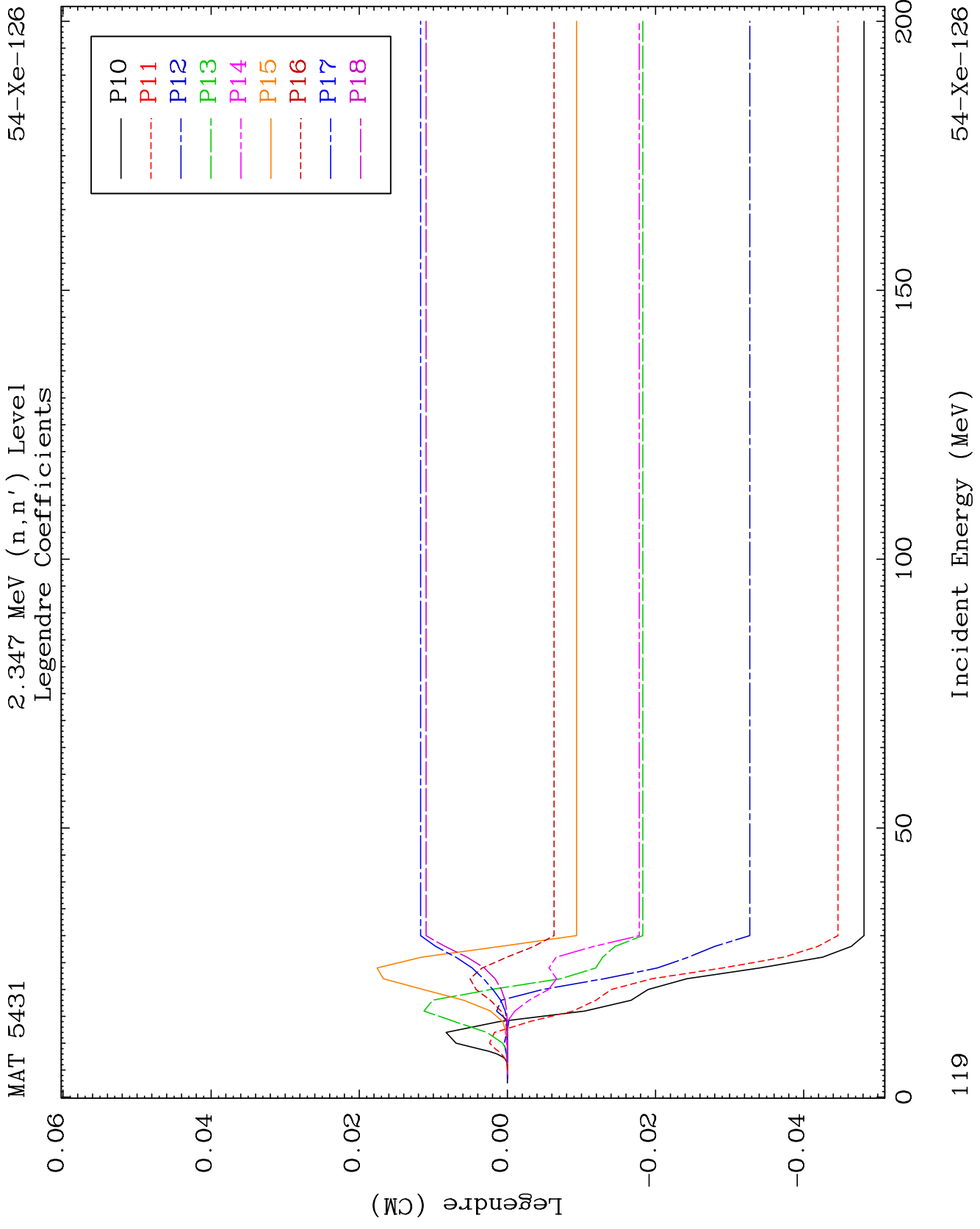


54-Xe-126

Incident Energy (MeV)





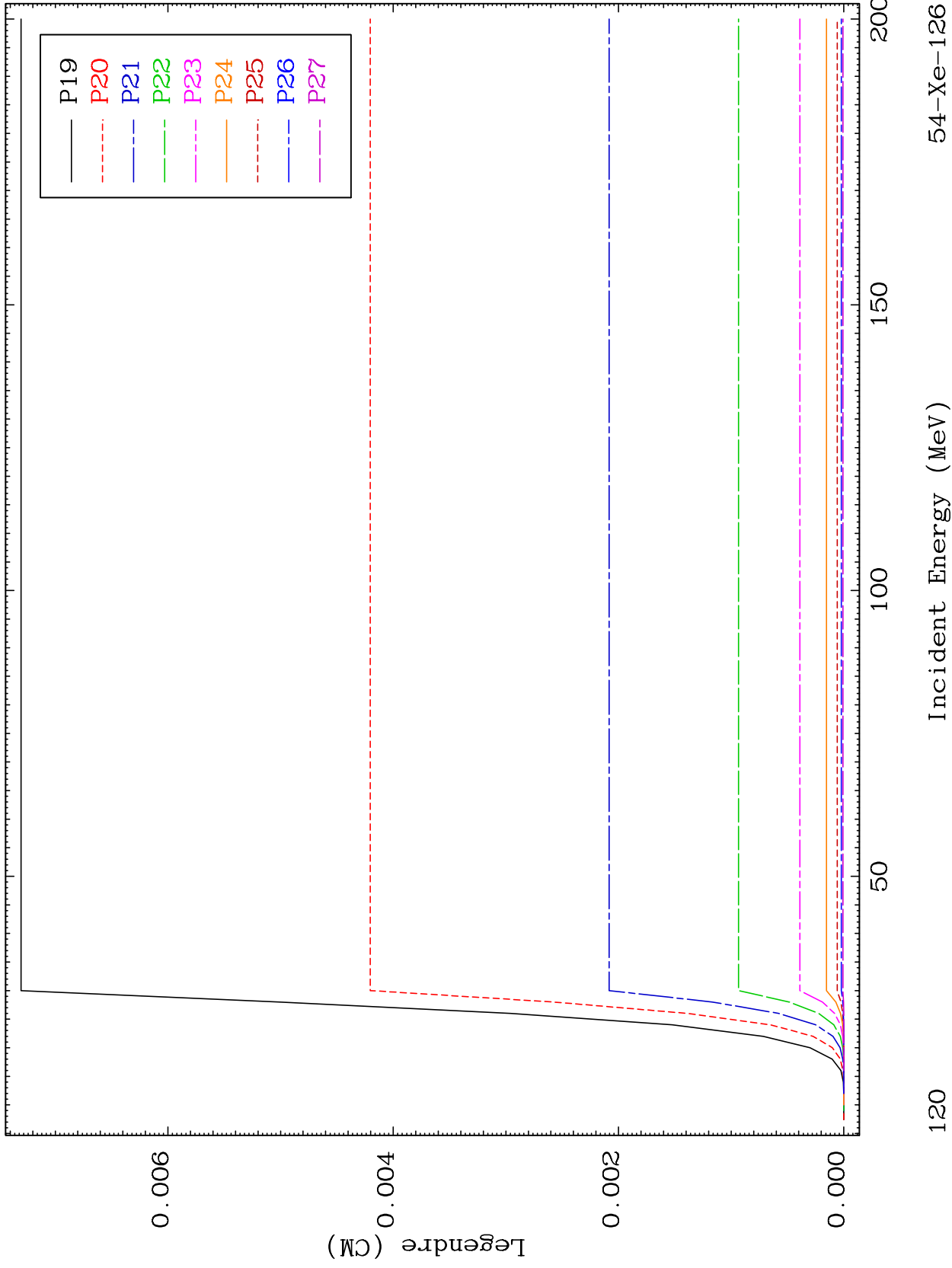




MAT 5431

2.347 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



54-Xe-126

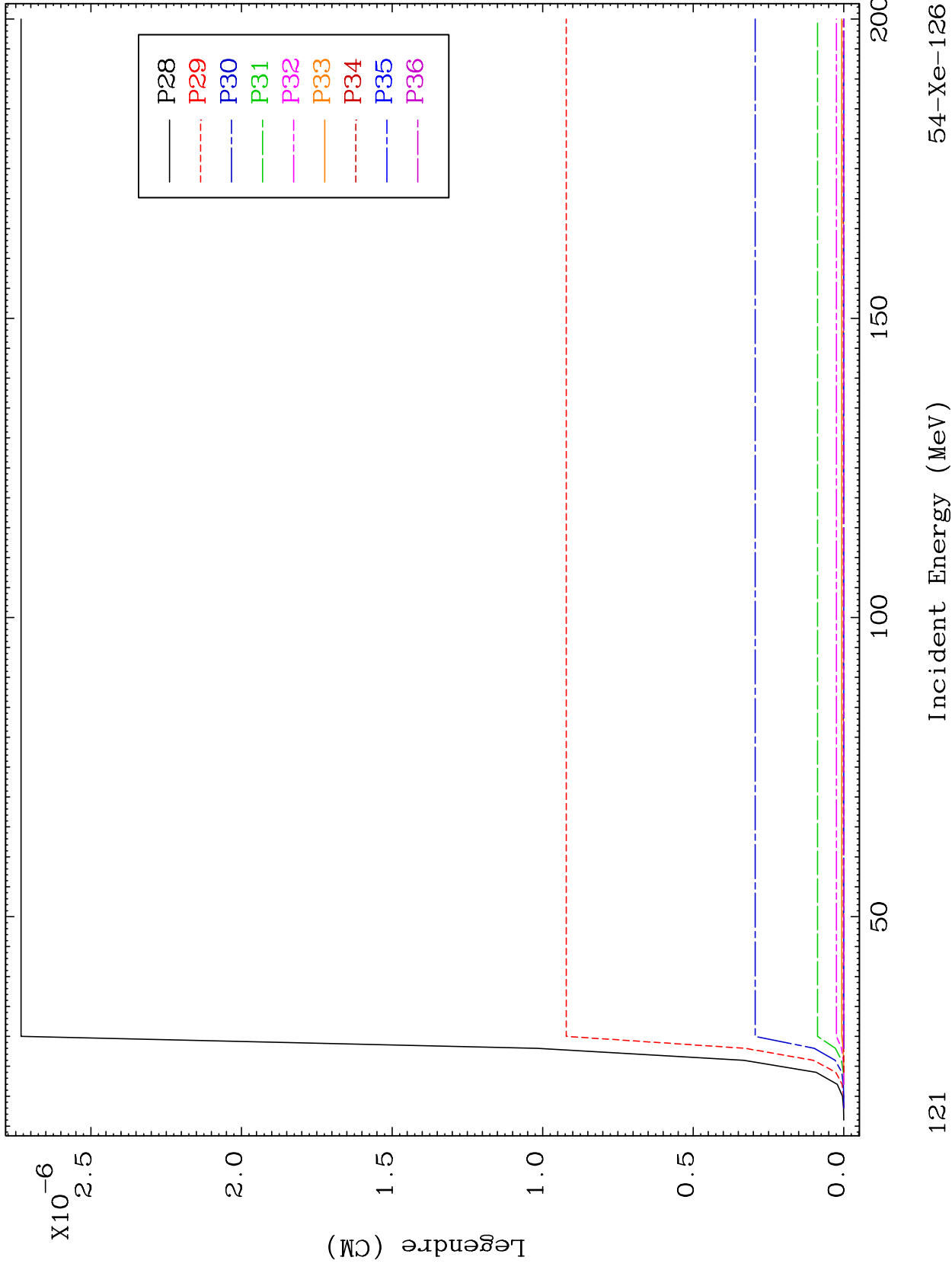
Incident Energy (MeV)

120

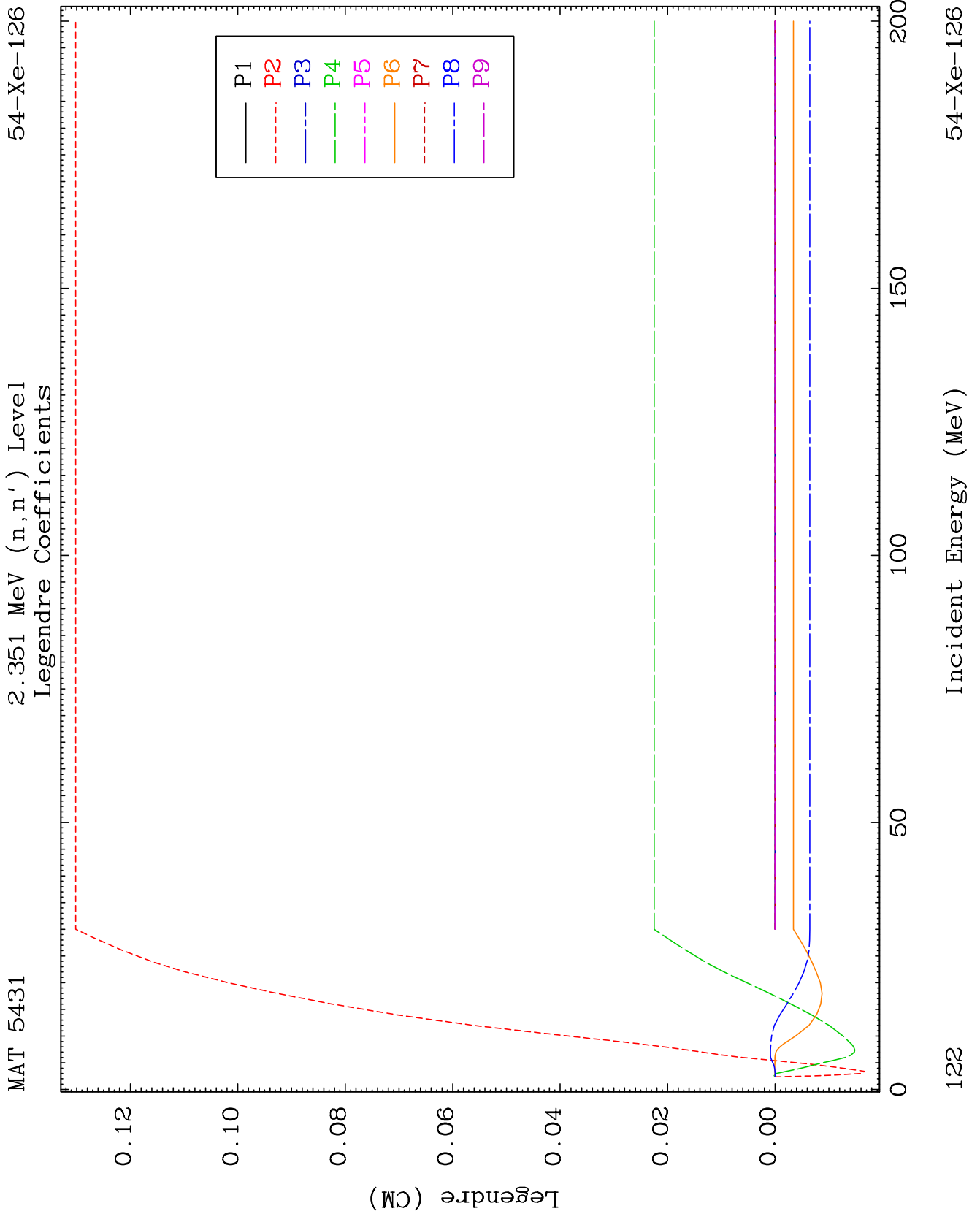
MAT 5431

2.347 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



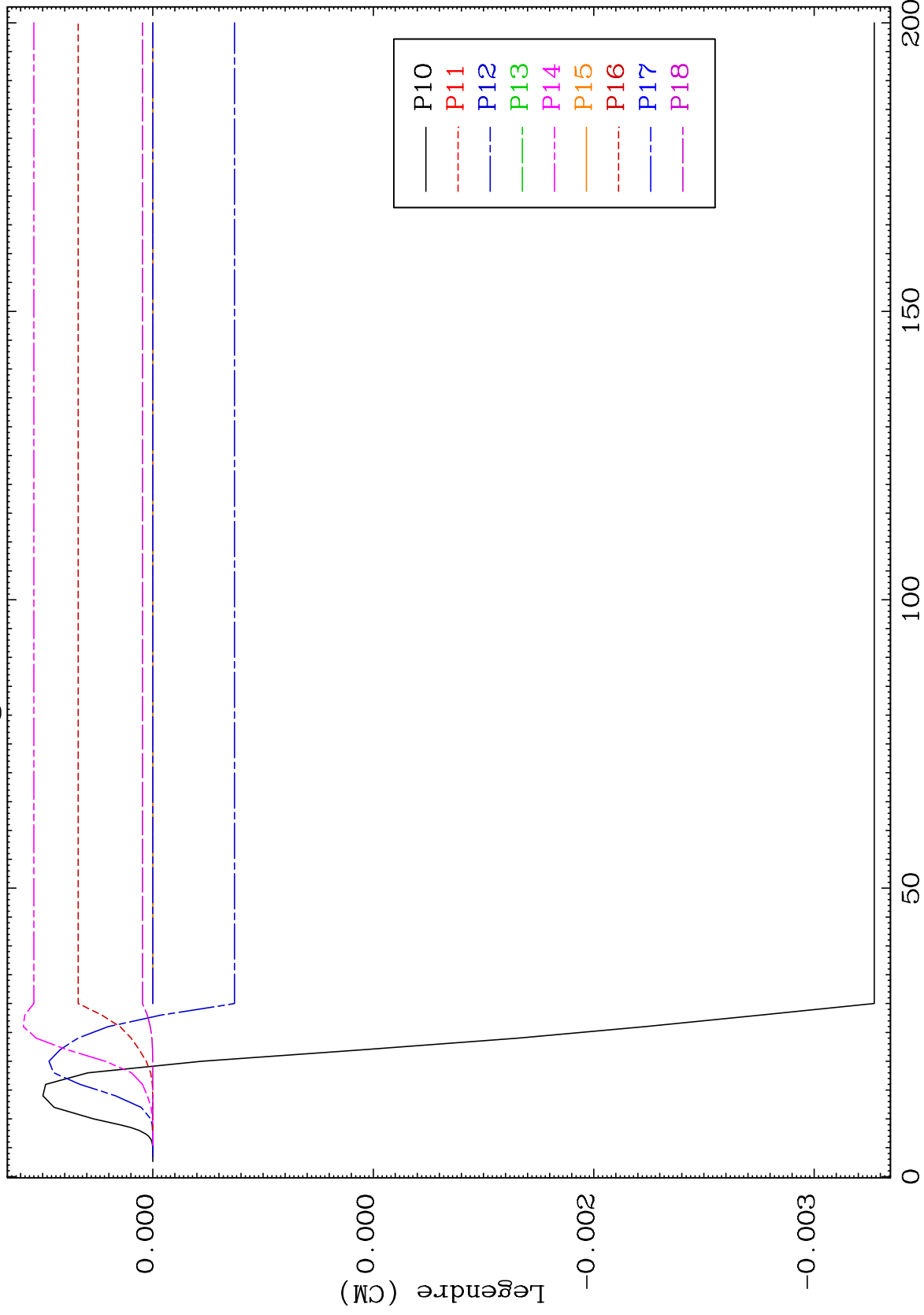
121



MAT 5431

2.351 MeV (n,n') Level  
Legendre Coefficients

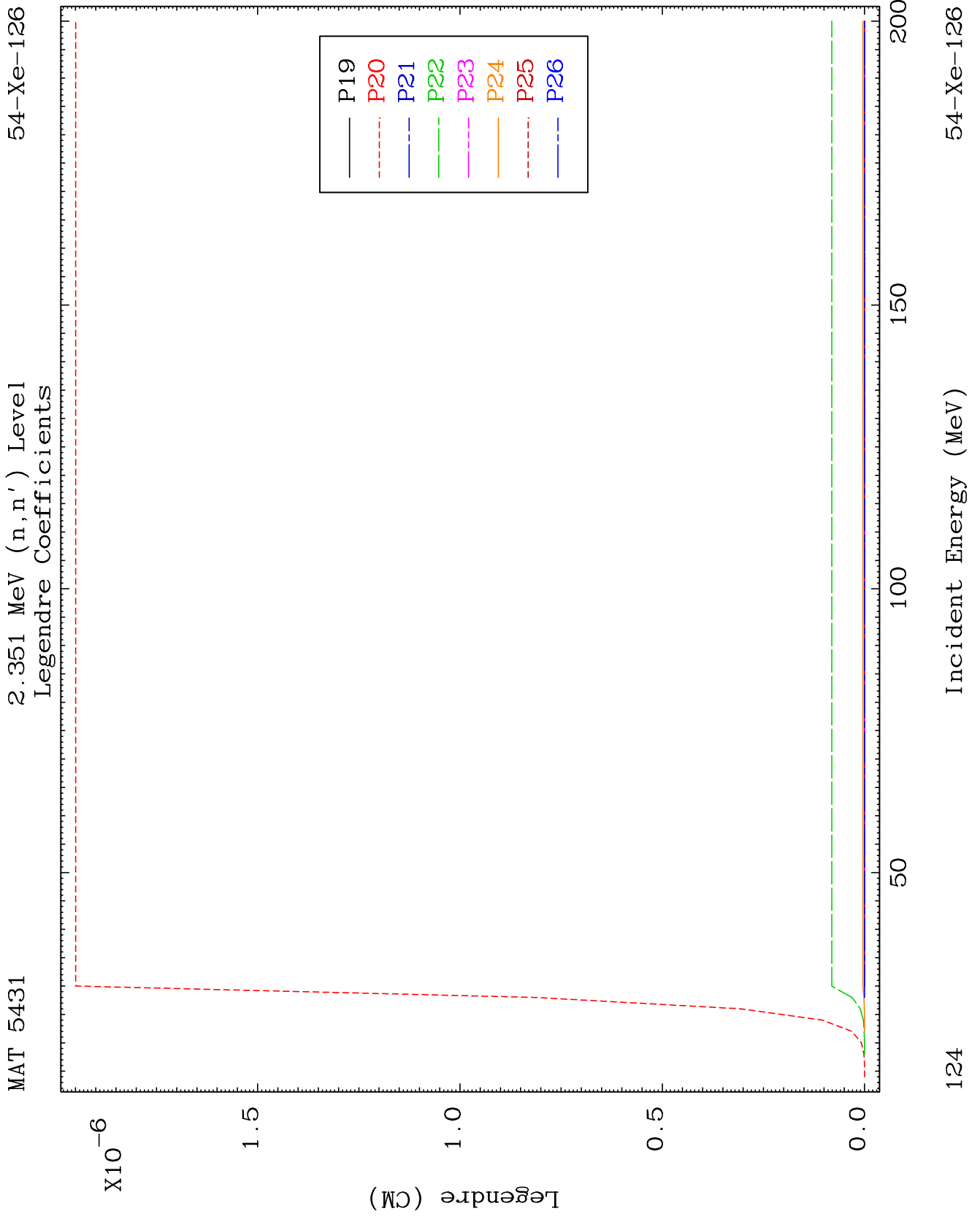
54-Xe-126

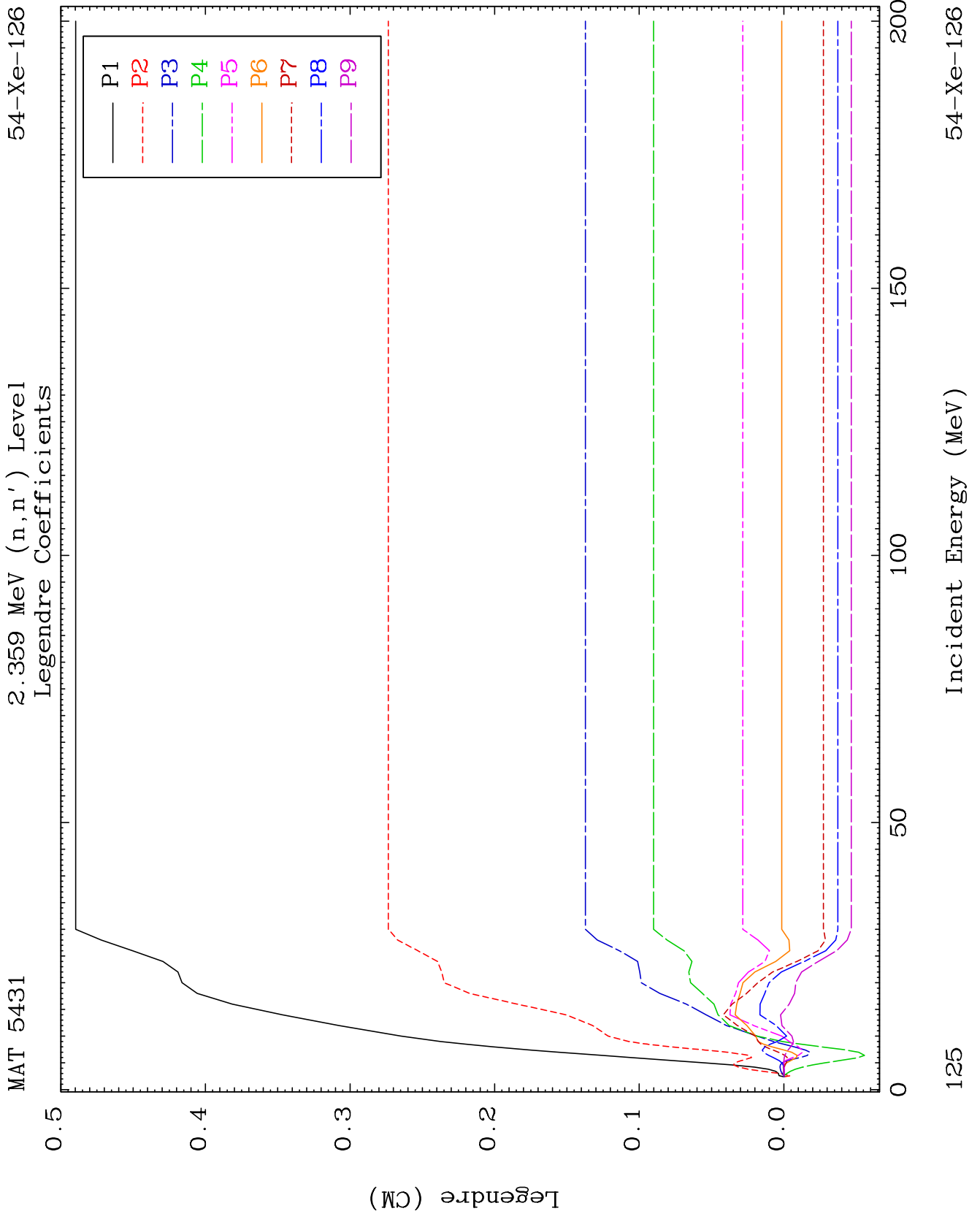


123

Incident Energy (MeV)

54-Xe-126



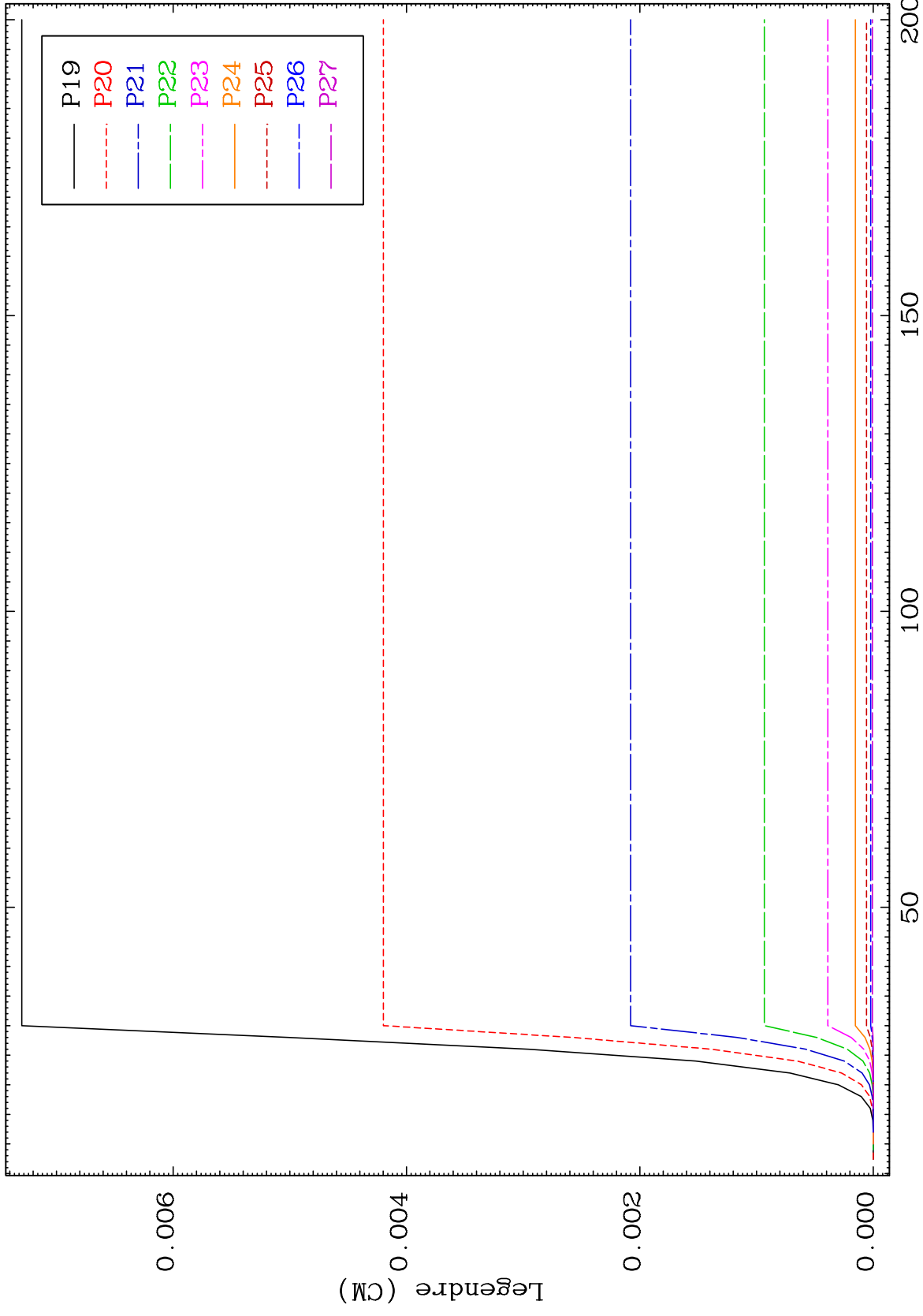




MAT 5431

2.359 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



127

Incident Energy (MeV)

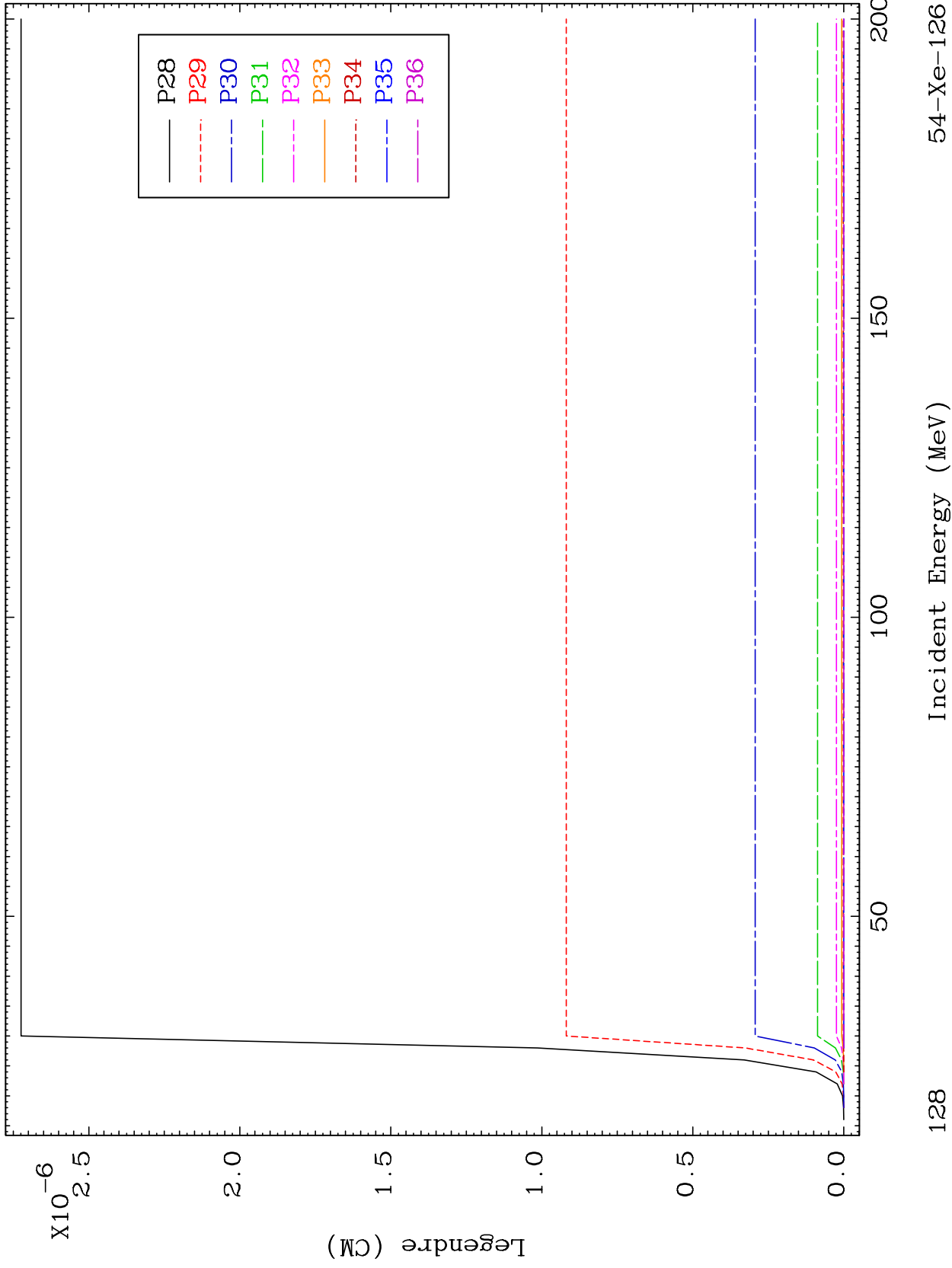
54-Xe-126



MAT 5431

2.359 MeV (n,n') Level  
Legendre Coefficients

54-Xe-126



128

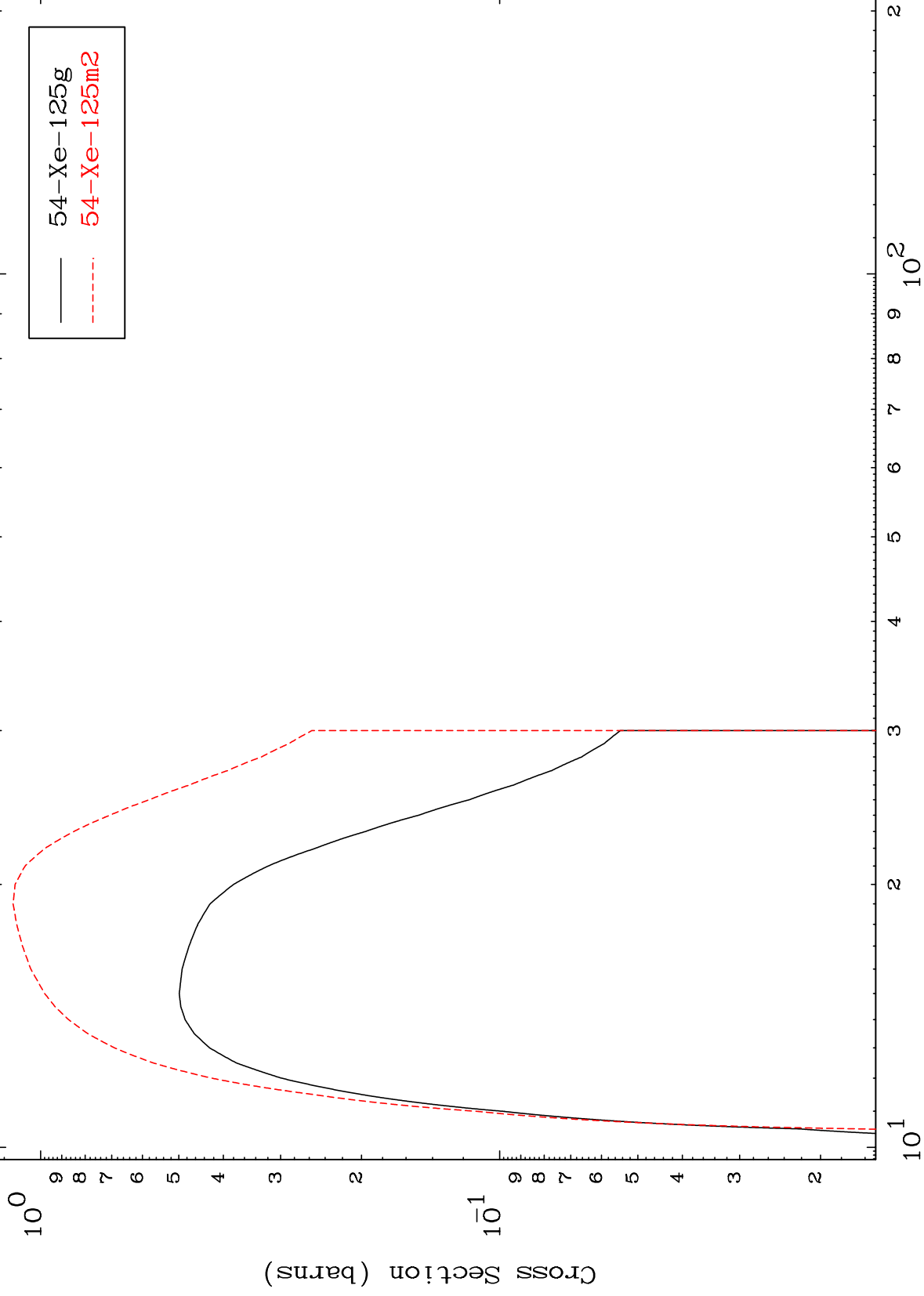
Incident Energy (MeV)

54-Xe-126

MAT 5431

54-Xe-126

(n,2n)  
Radionuclide Production Cross Section

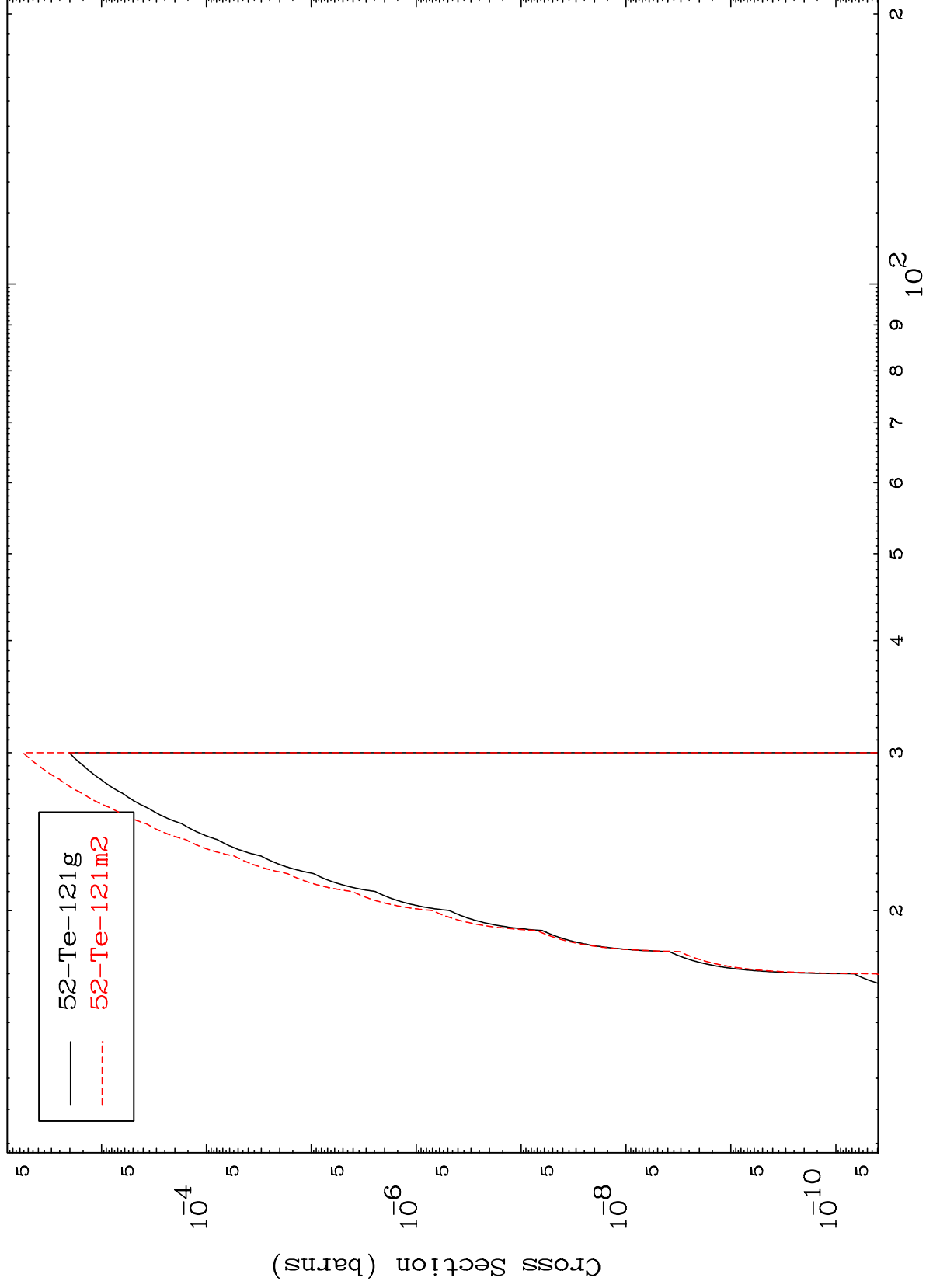


54-Xe-126

Incident Energy (MeV)

129

Radionuclide Production Cross Section

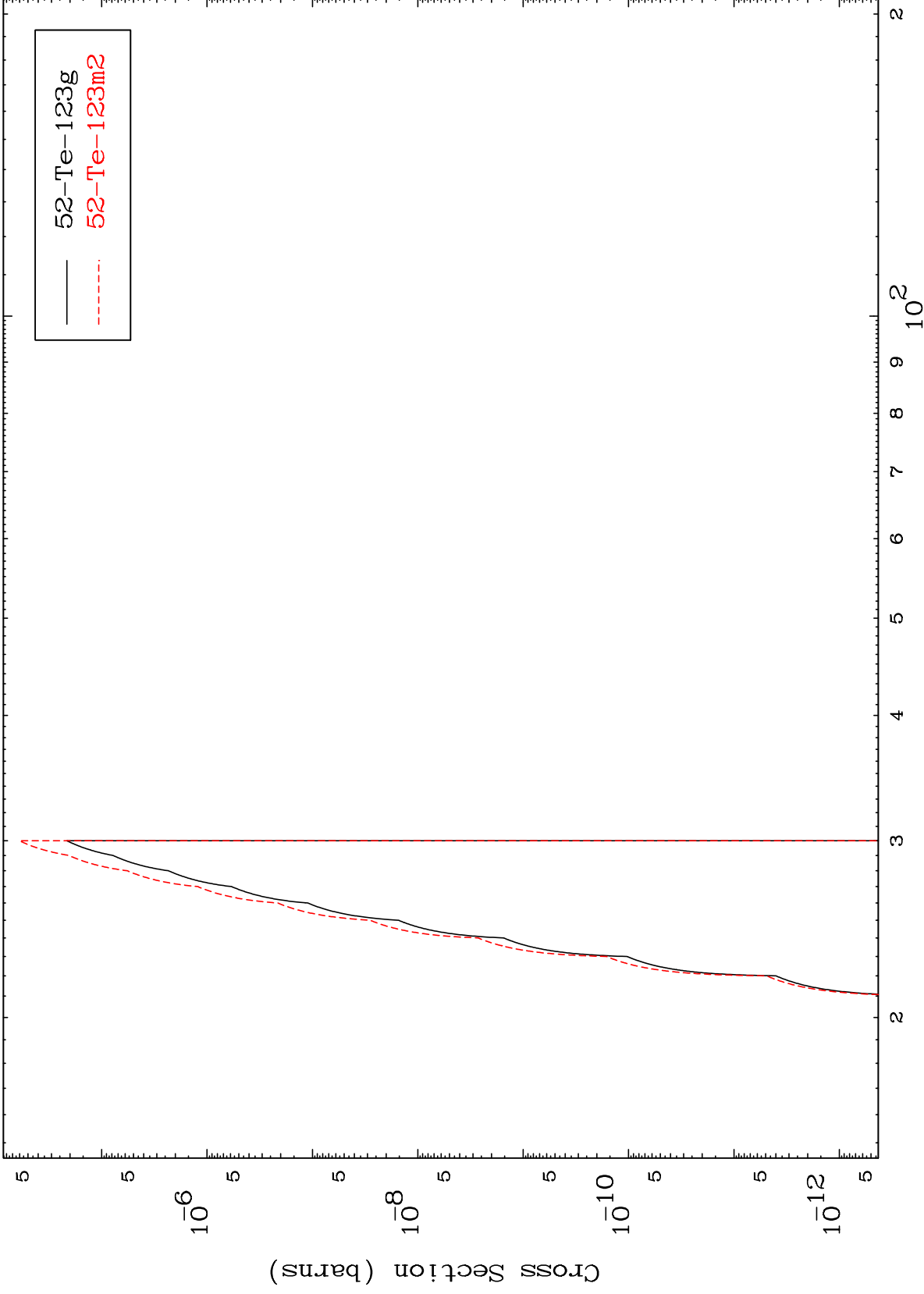


MAT 5431

(n,n') He-3

54-Xe-126

Radionuclide Production Cross Section

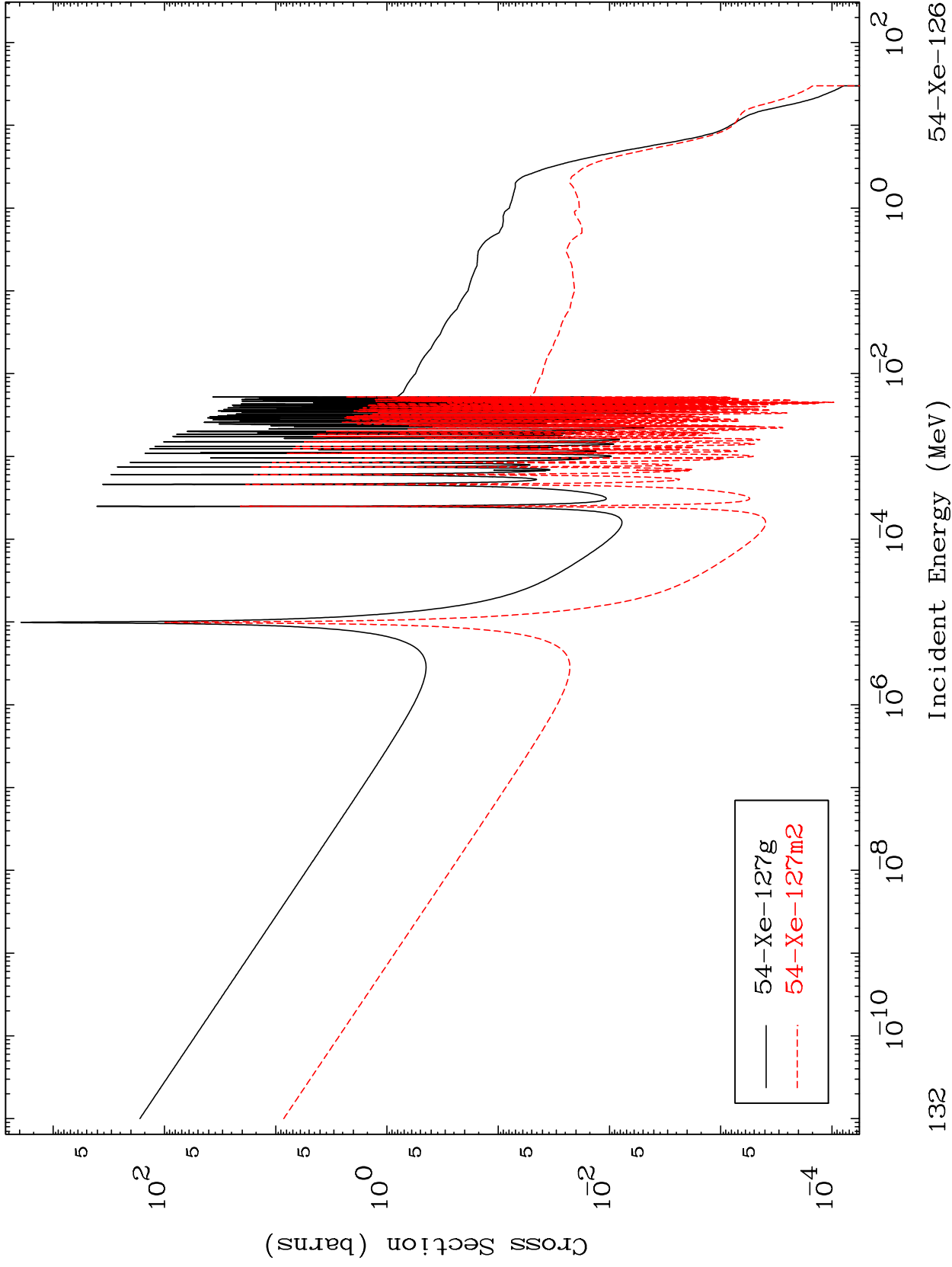


131

Incident Energy (MeV)

54-Xe-126

(n,γ)  
Radionuclide Production Cross Section

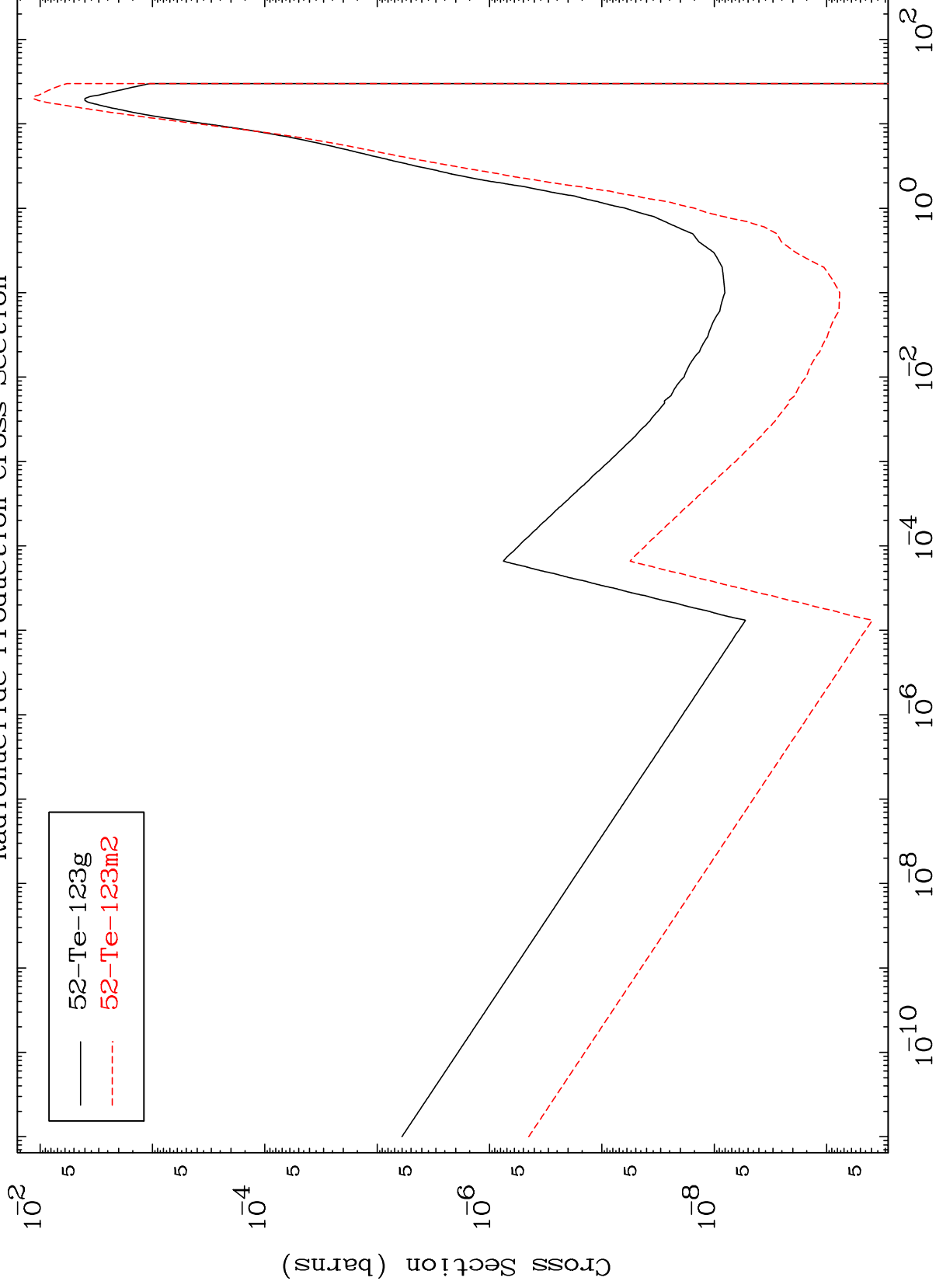


MAT 5431

(n,  $\alpha$ )

54-Xe-126

Radionuclide Production Cross Section



133

Incident Energy (MeV)

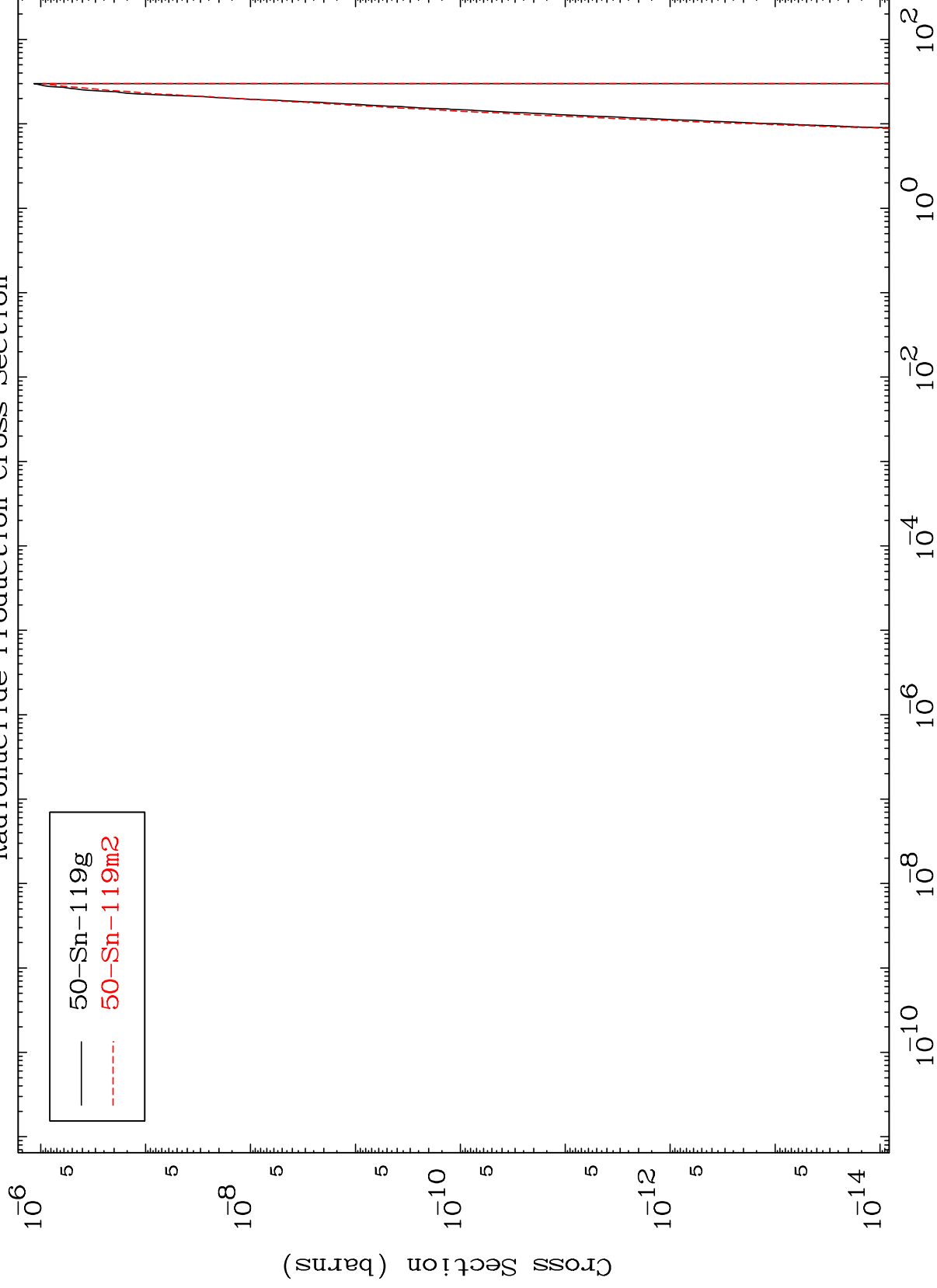
54-Xe-126

MAT 5431

(n,2α)

54-Xe-126

Radionuclide Production Cross Section



134

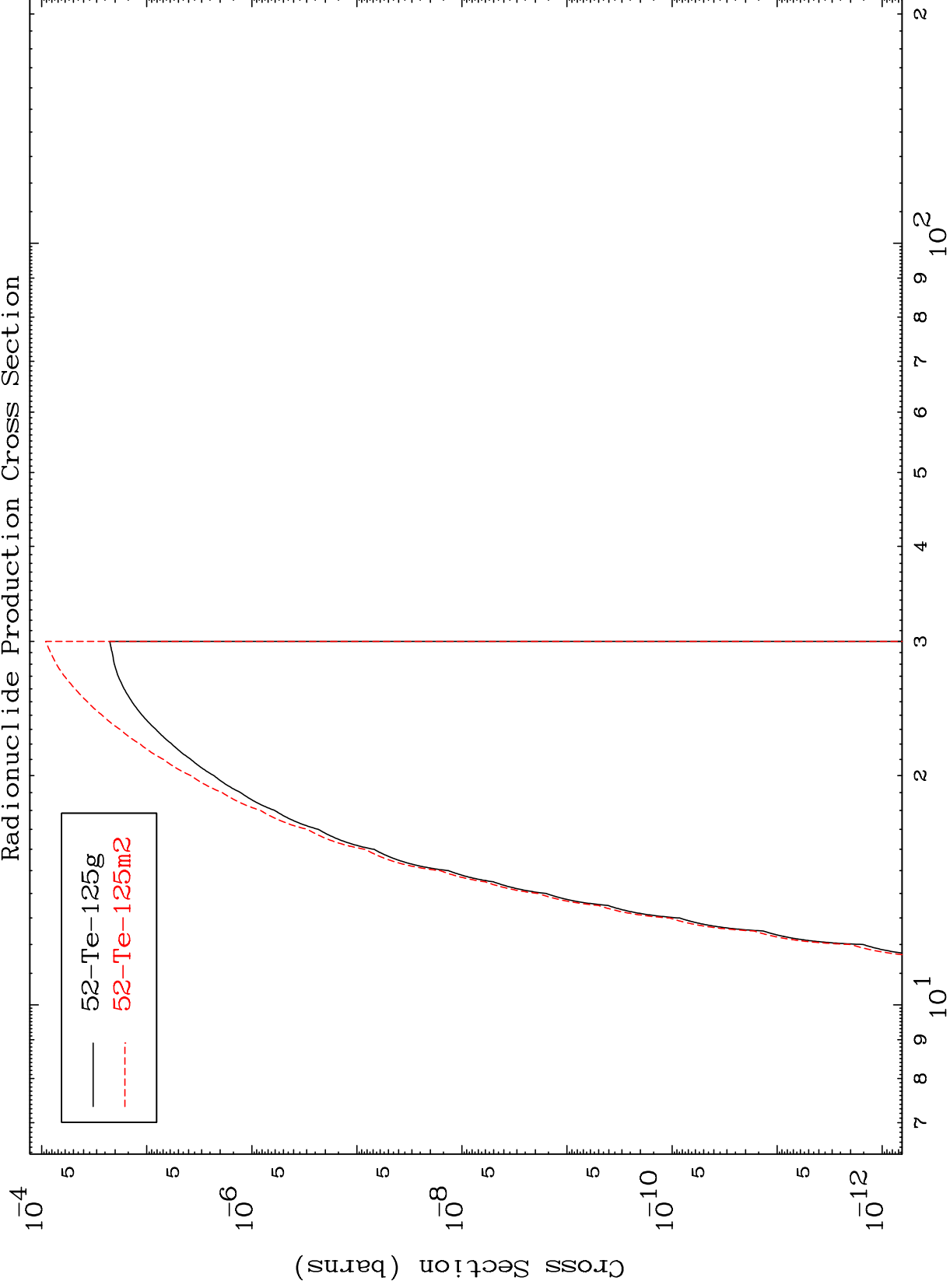
Incident Energy (MeV)

54-Xe-126

MAT 5431

54-Xe-126

Radionuclide Production Cross Section  
(n,2p)



135

Incident Energy (MeV)

54-Xe-126

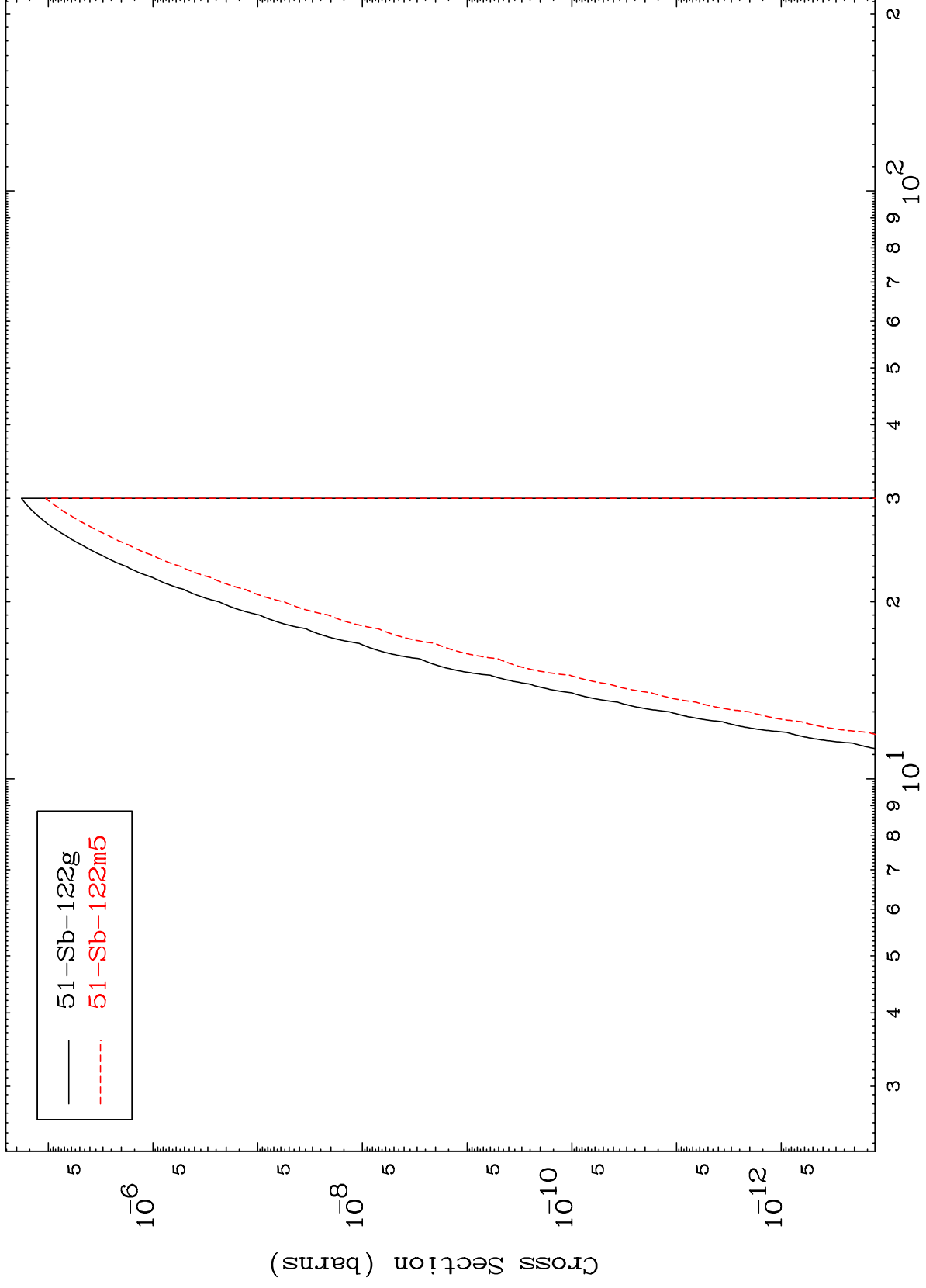


MAT 5431

(n,p)  $\alpha$

54-Xe-126

Radionuclide Production Cross Section



136

Incident Energy (MeV)

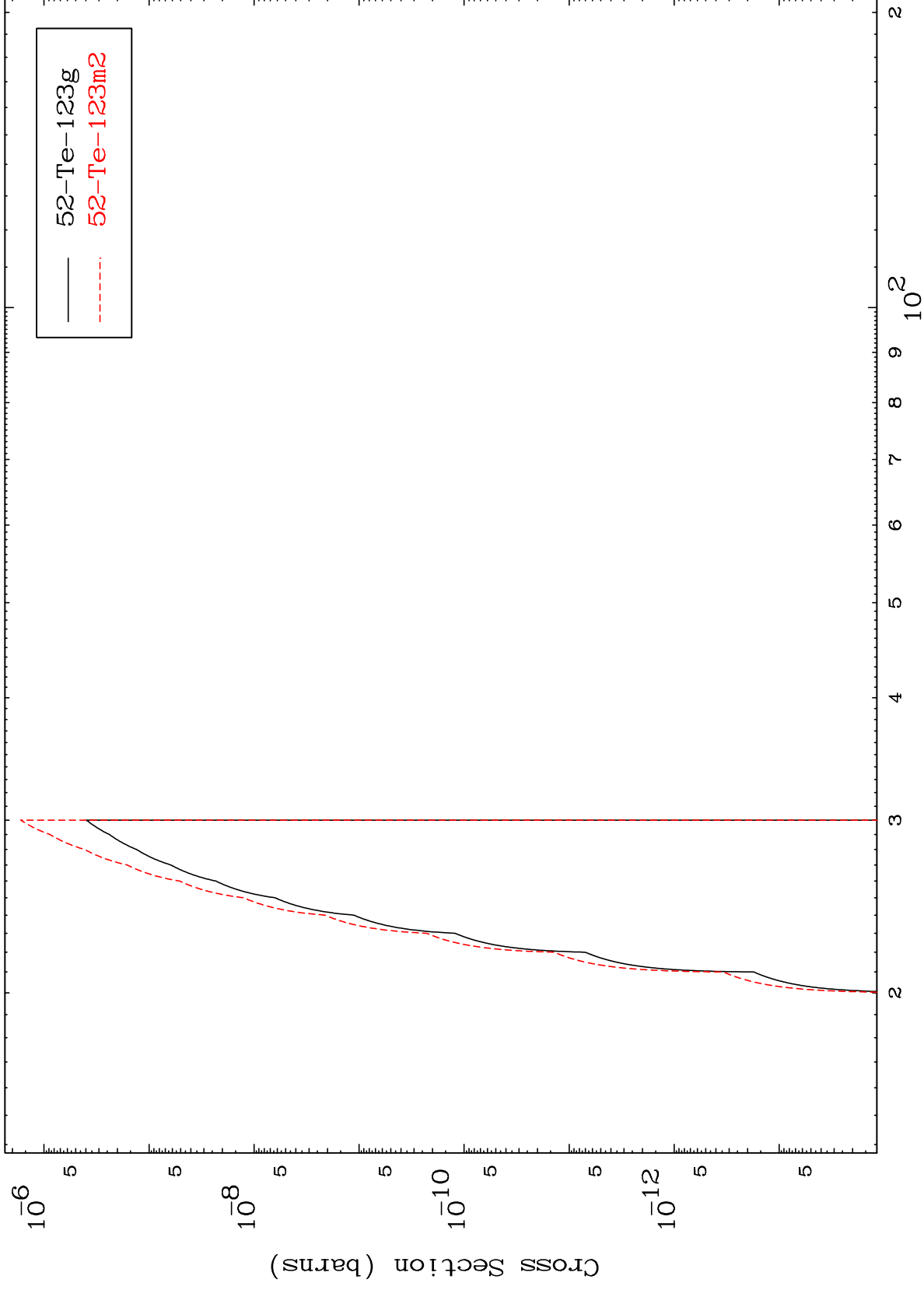
54-Xe-126

MAT 5431

(n,p) t

54-Xe-126

Radionuclide Production Cross Section



137

Incident Energy (MeV)

54-Xe-126