

Program EVALPLOT  
(Version 2015-2)

by

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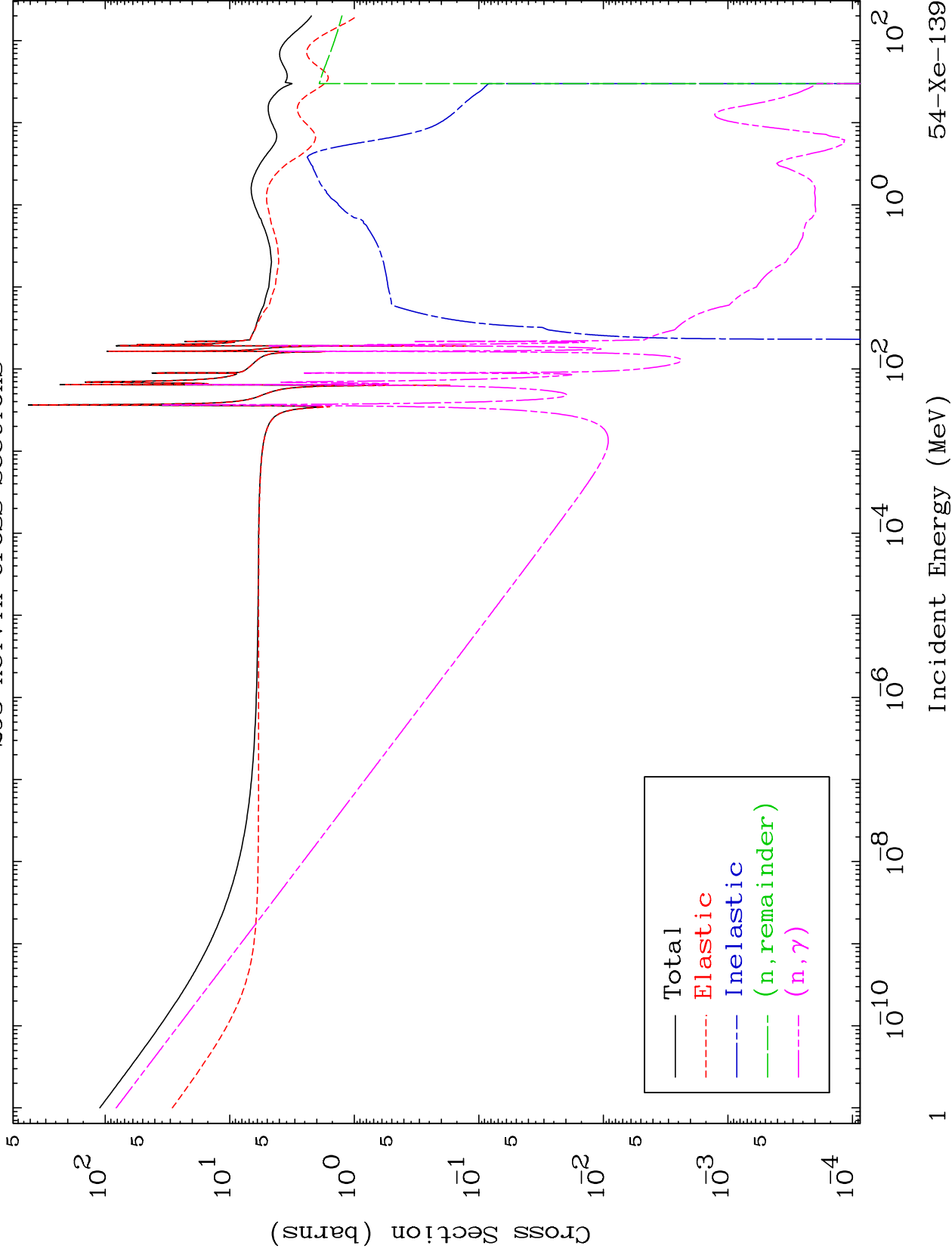
Press Mouse Button to Start

MAT 5470

Major

293 Kelvin Cross Sections

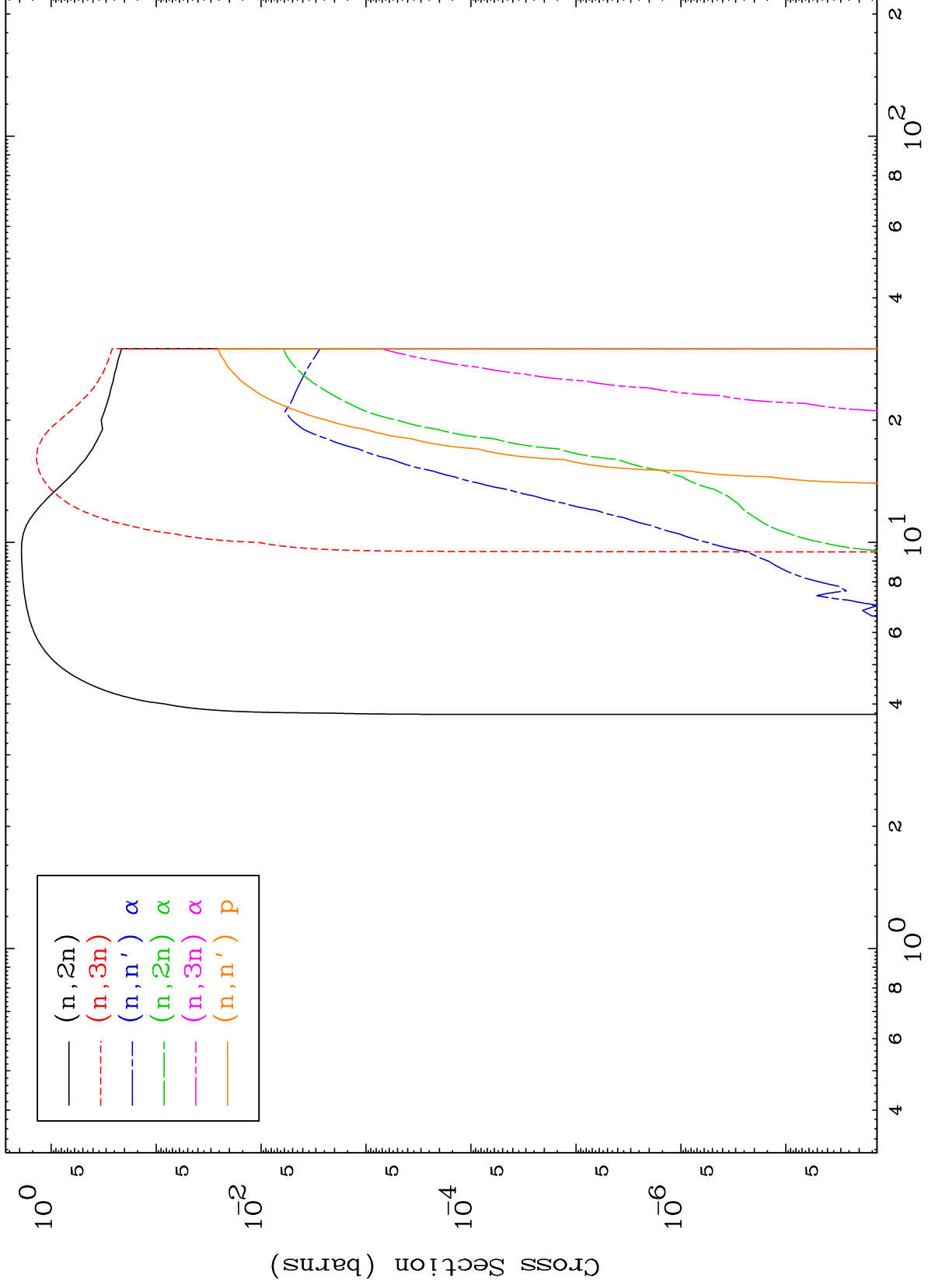
54-Xe-139

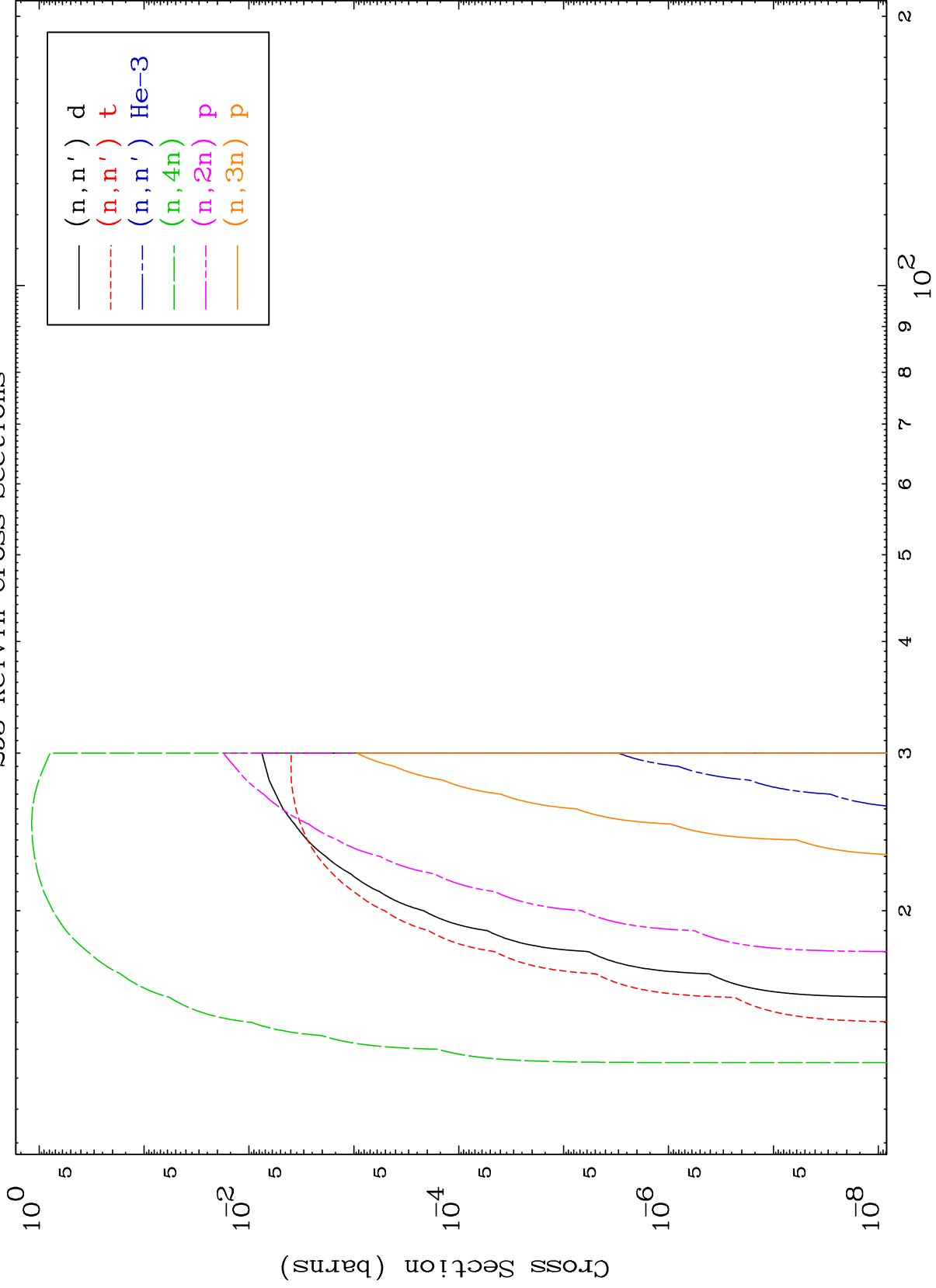


MAT 5470

Neutron Production  
293 Kelvin Cross Sections

54-Xe-139

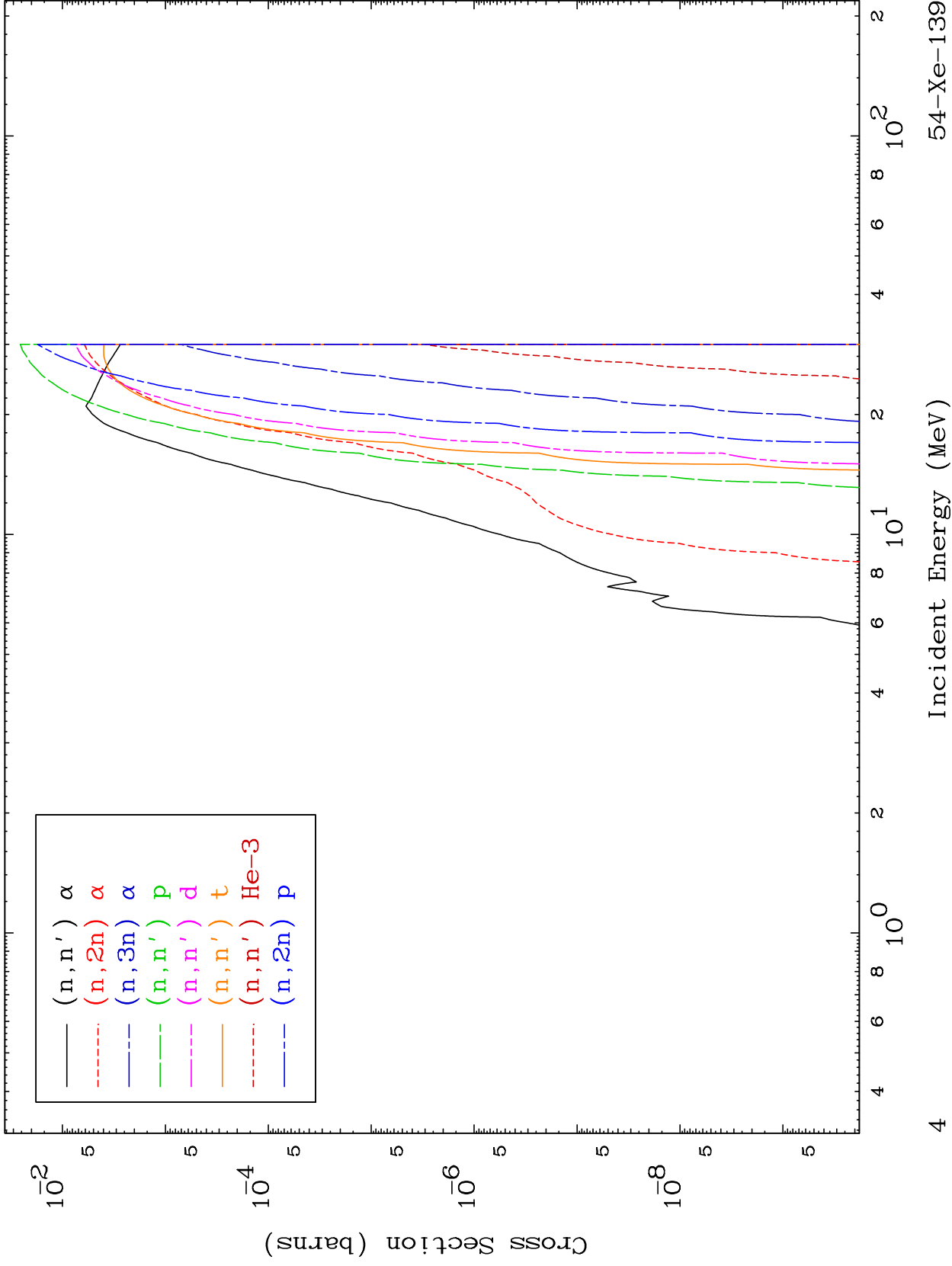




MAT 5470

Charged Particle  
293 Kelvin Cross Sections

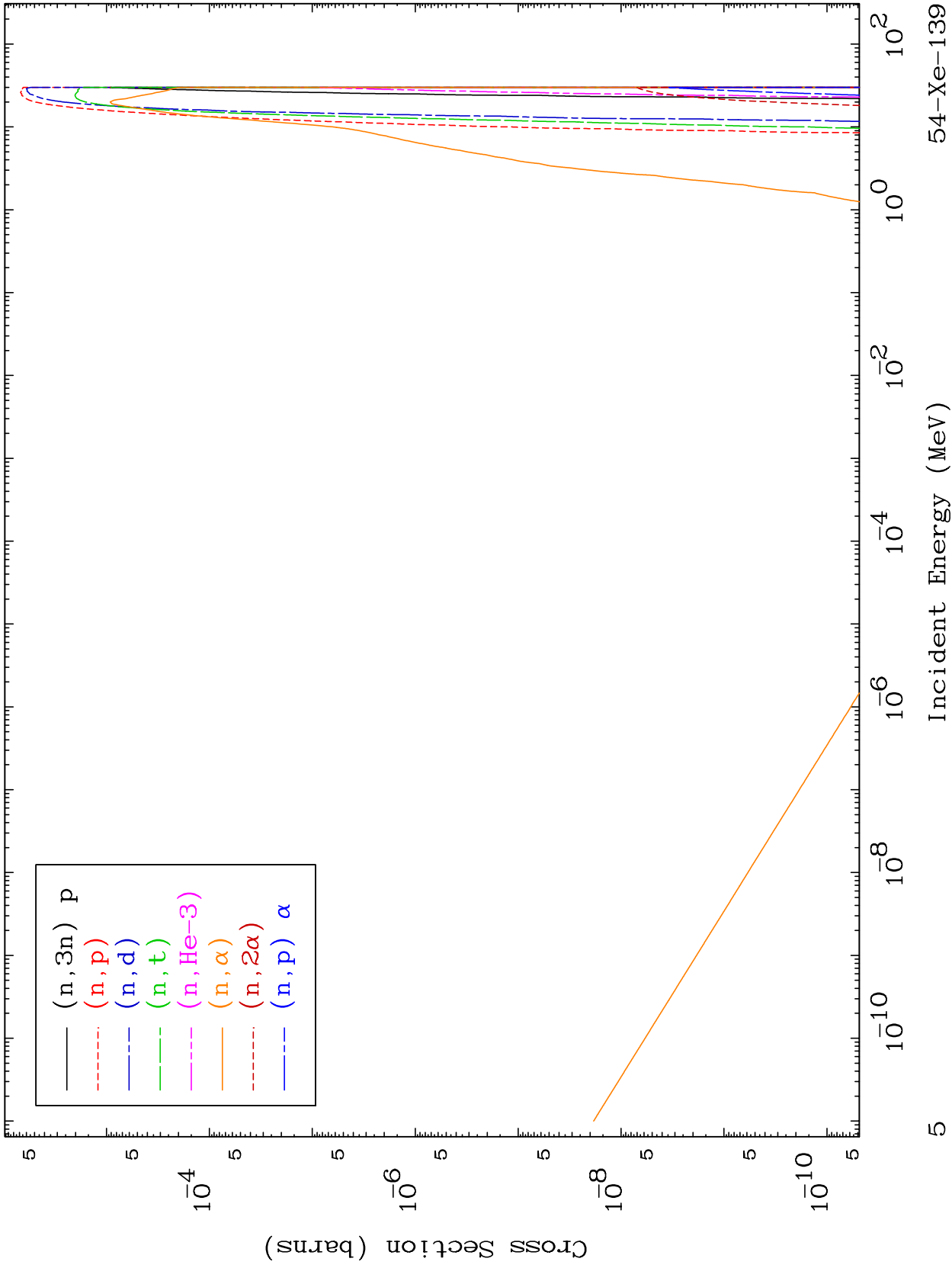
54-Xe-139



MAT 5470

Charged Particle  
293 Kelvin Cross Sections

54-Xe-139

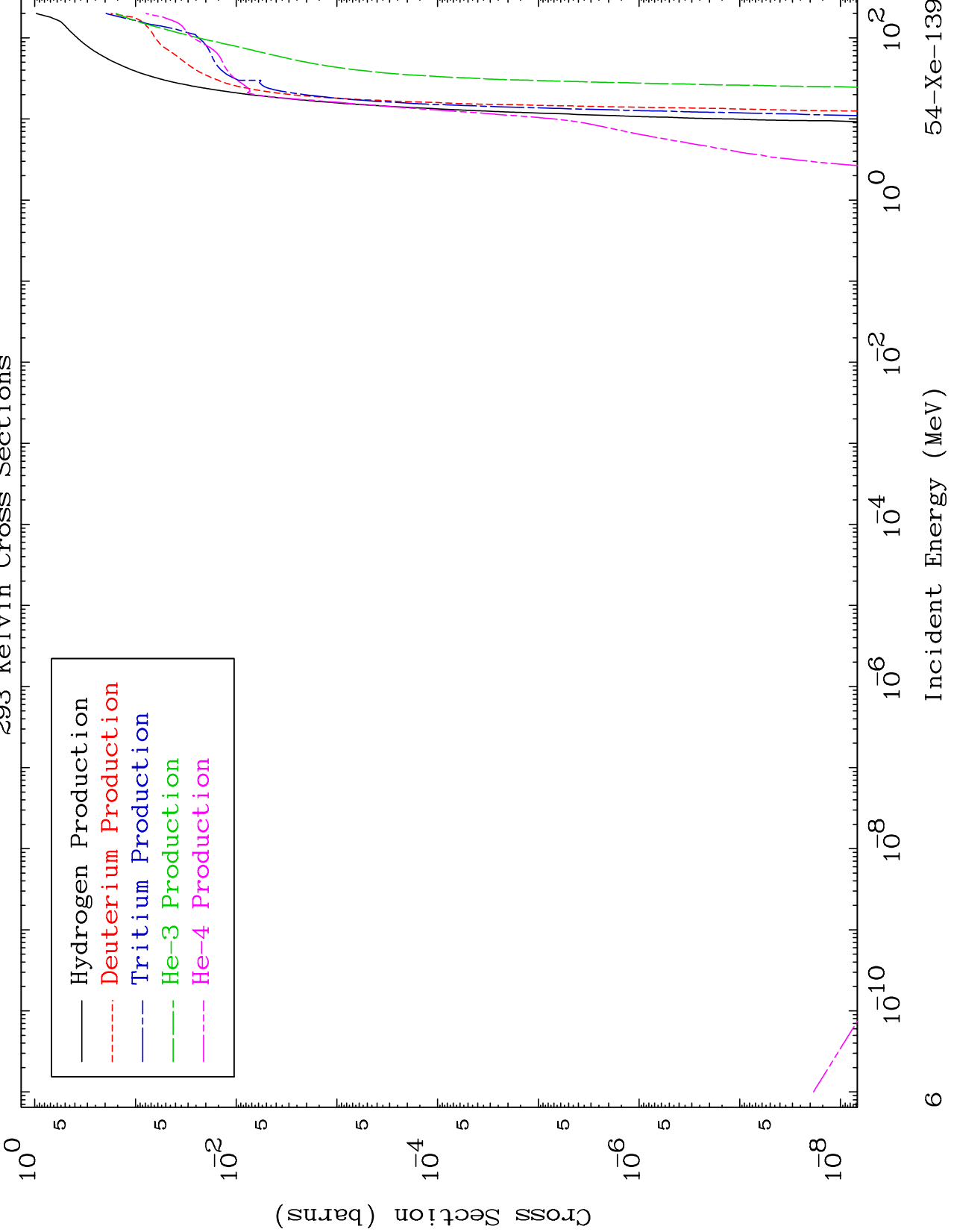


5

MAT 5470

Particle Production  
293 Kelvin Cross Sections

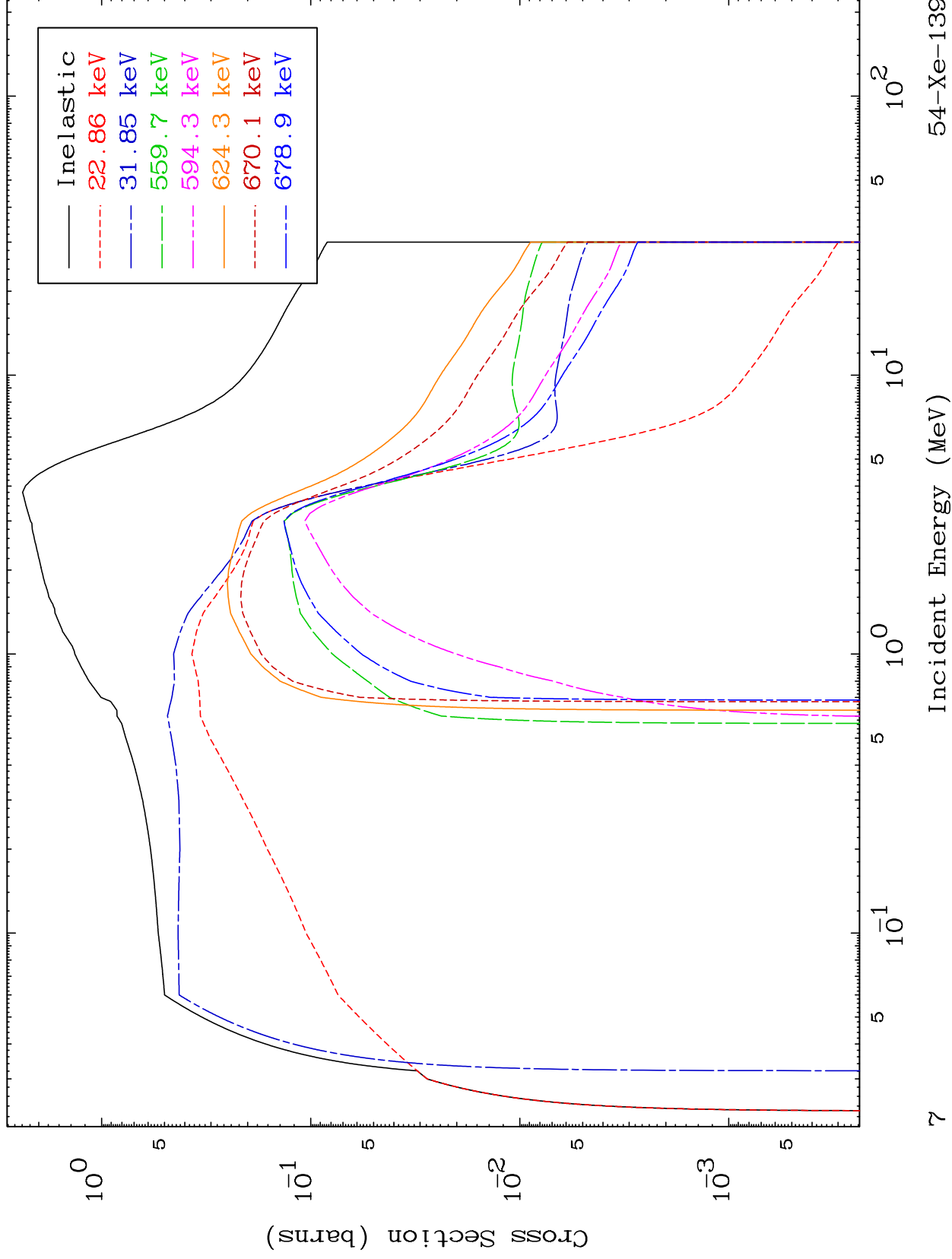
54-Xe-139



MAT 5470

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-139

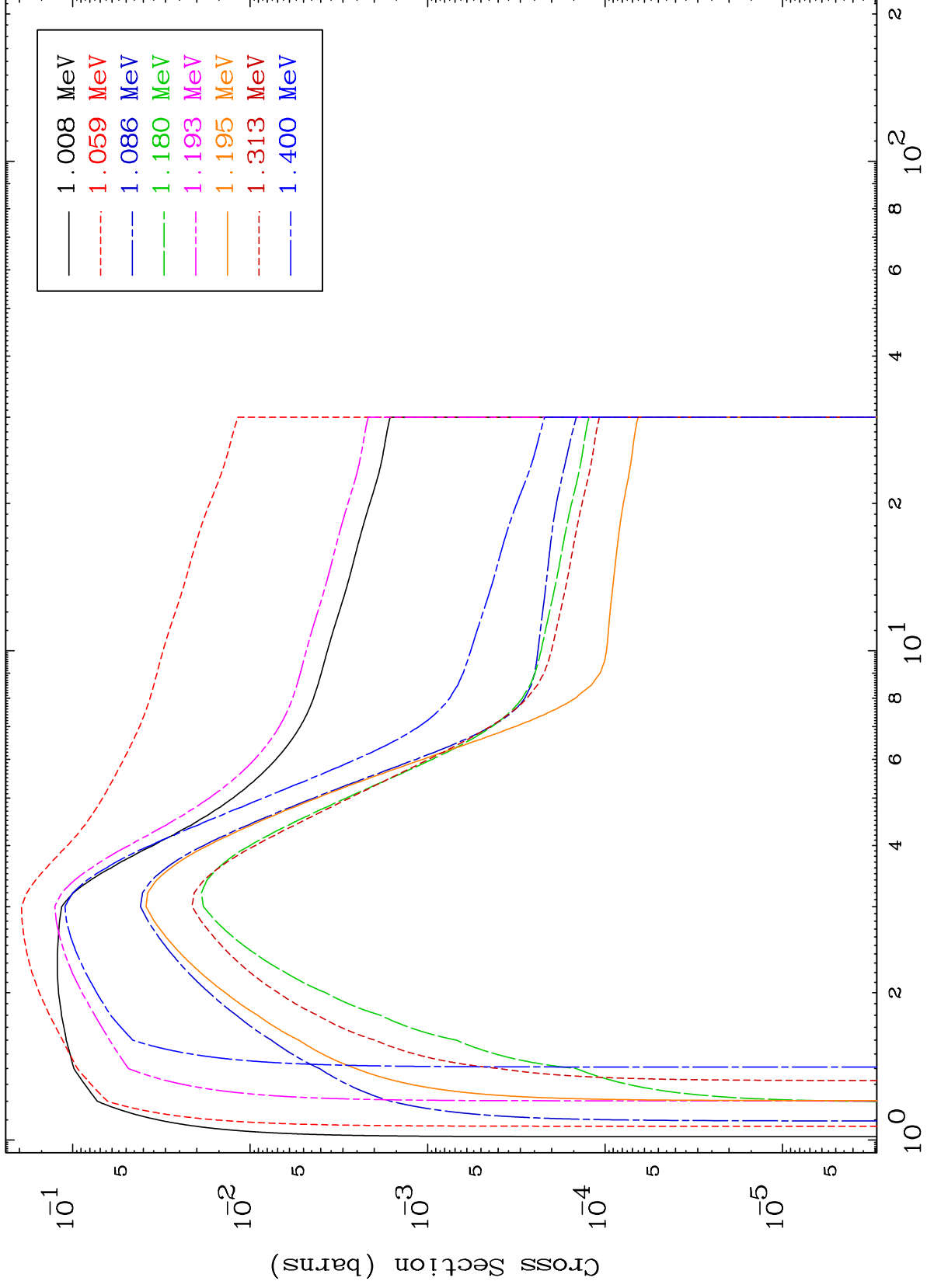




MAT 5470

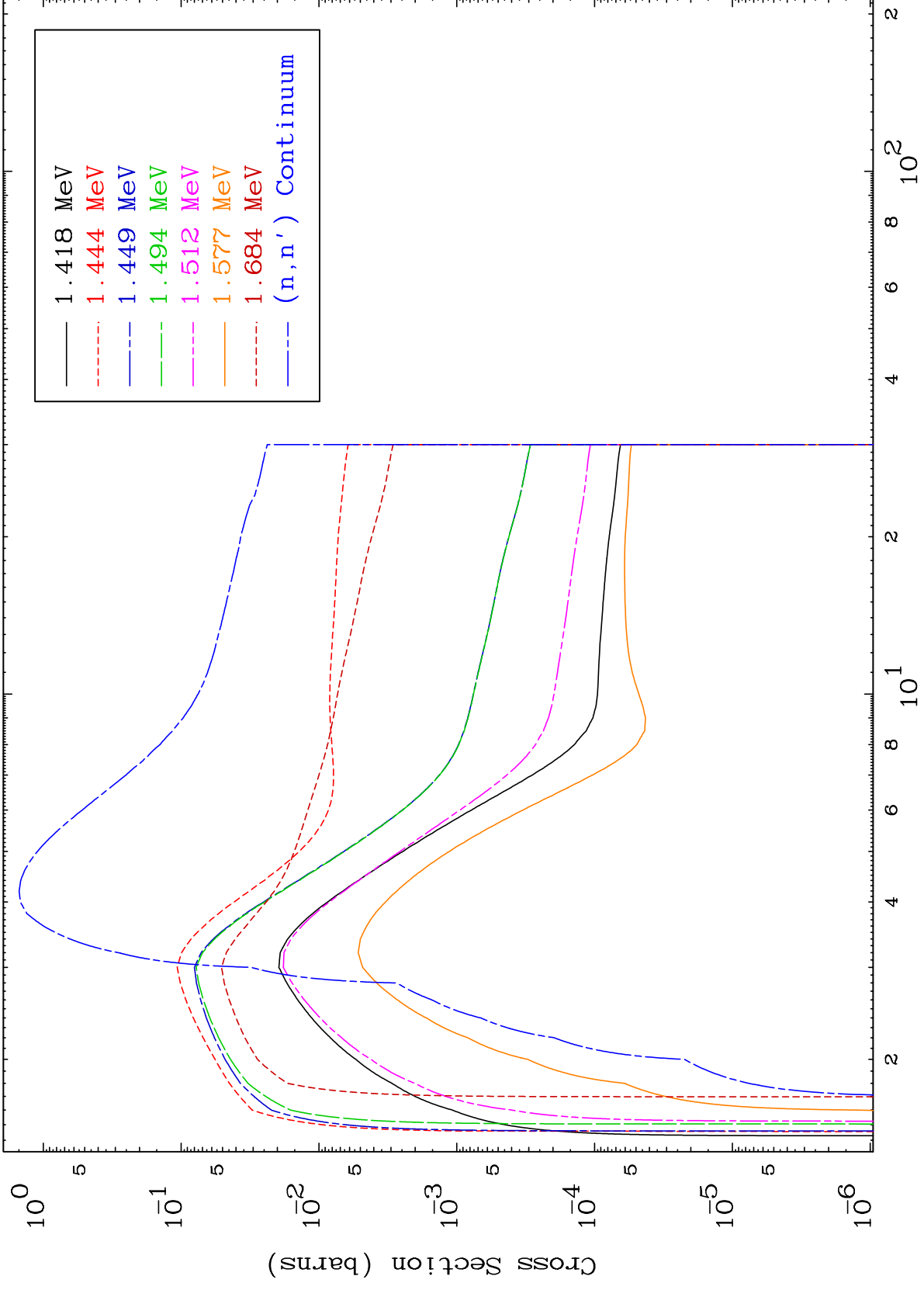
(n,n') Level  
293 Kelvin Cross Sections

54-Xe-139



Incident Energy (MeV)

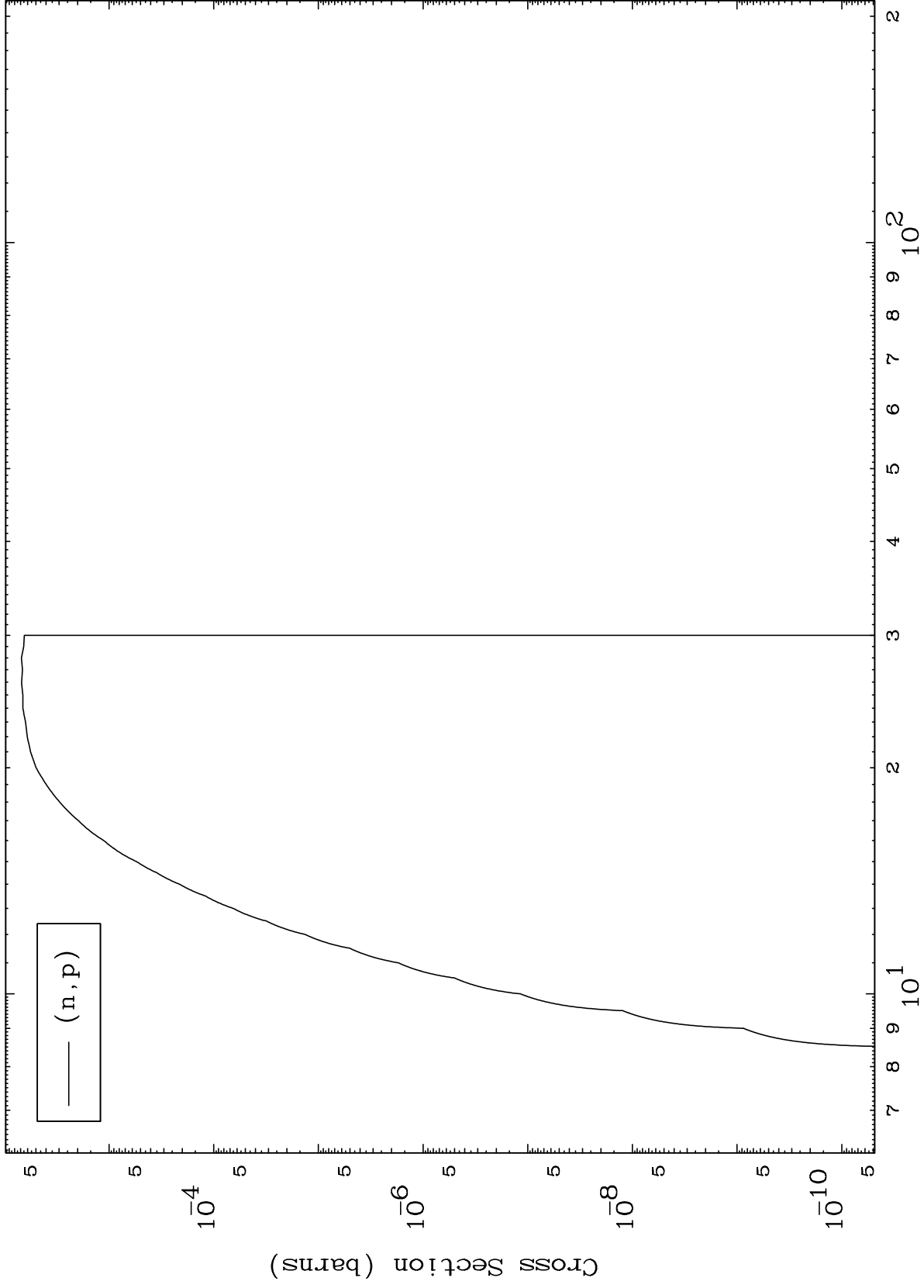
54-Xe-139



MAT 5470

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-139



10

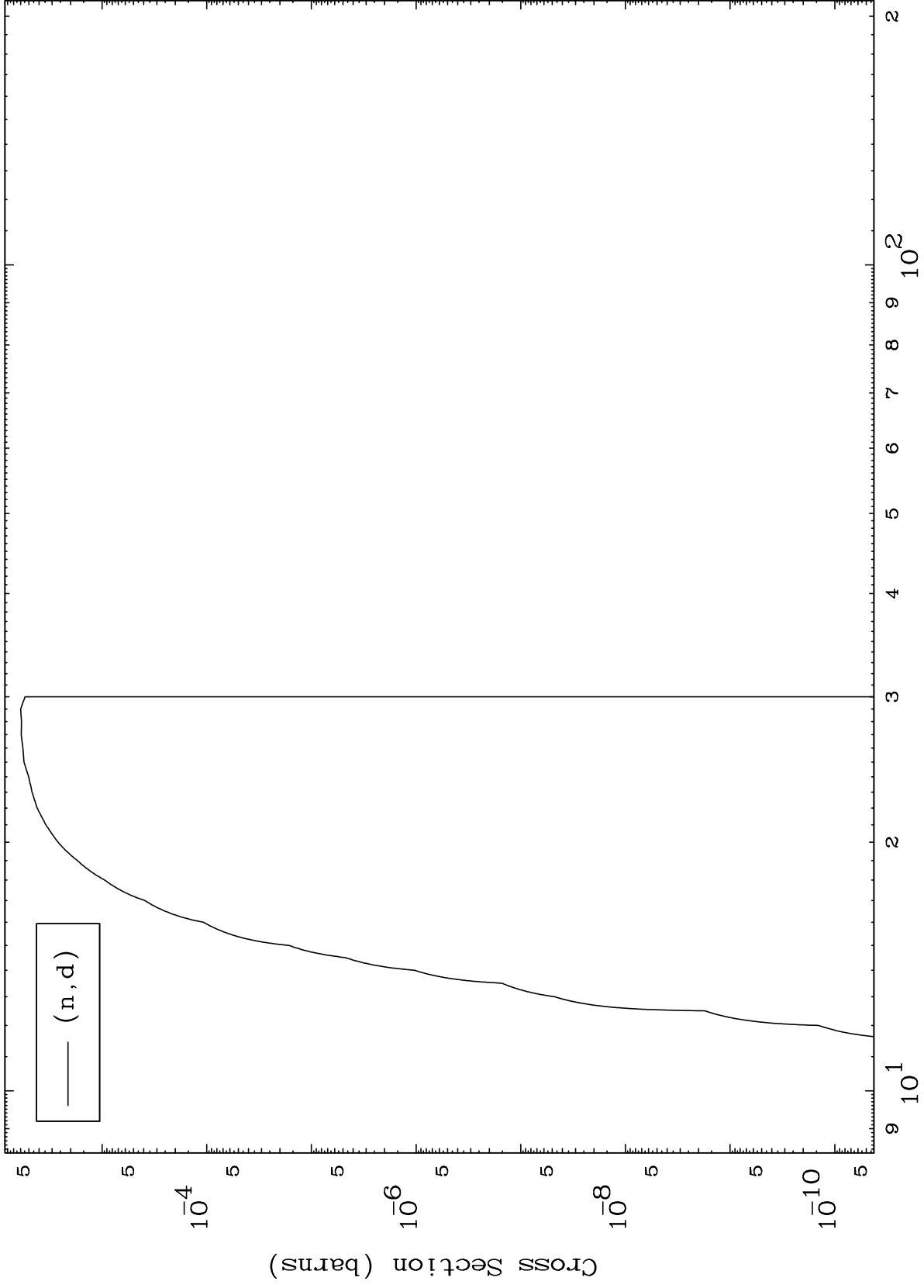
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-139



11

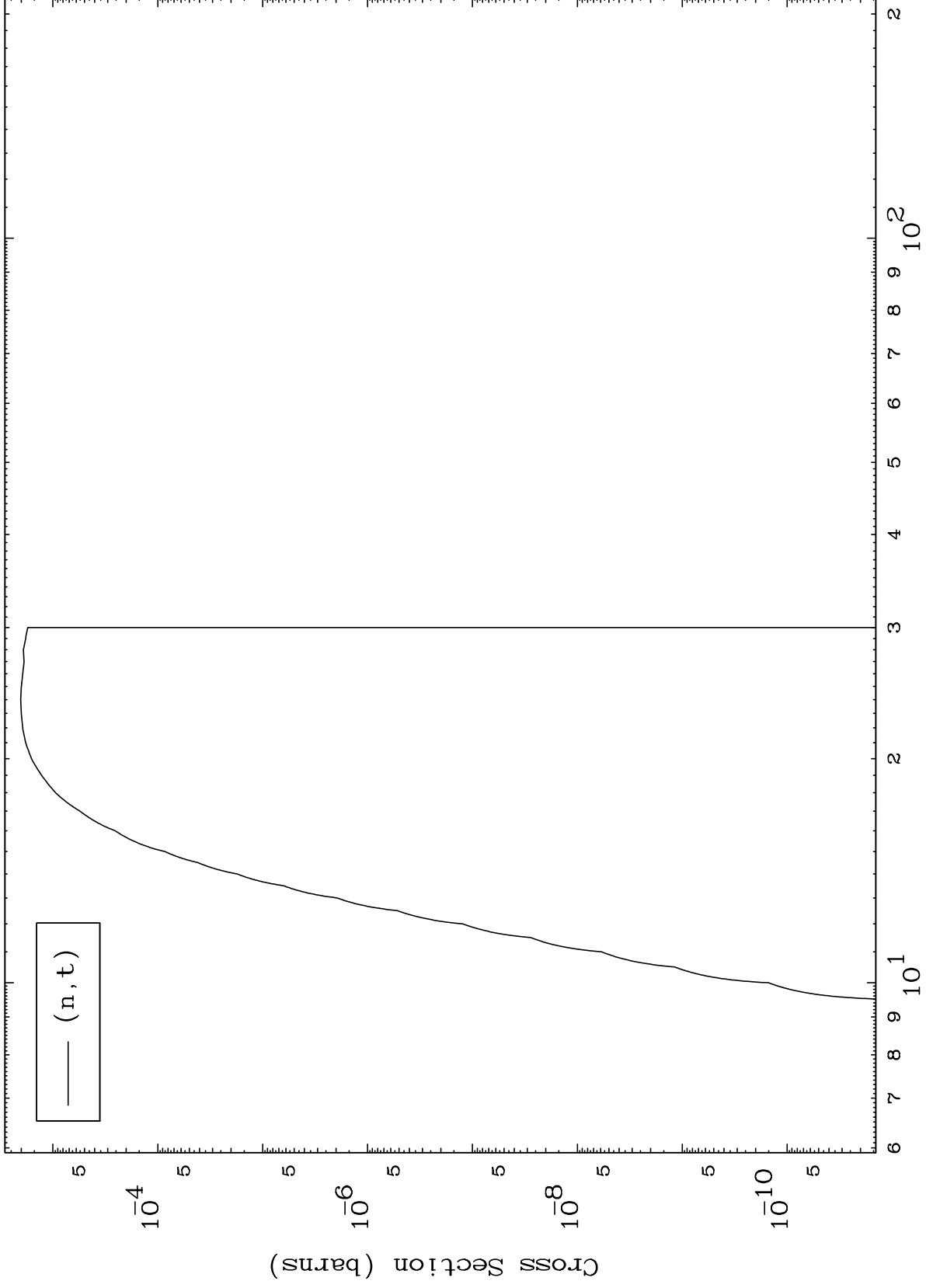
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n, t) Levels  
293 Kelvin Cross Sections

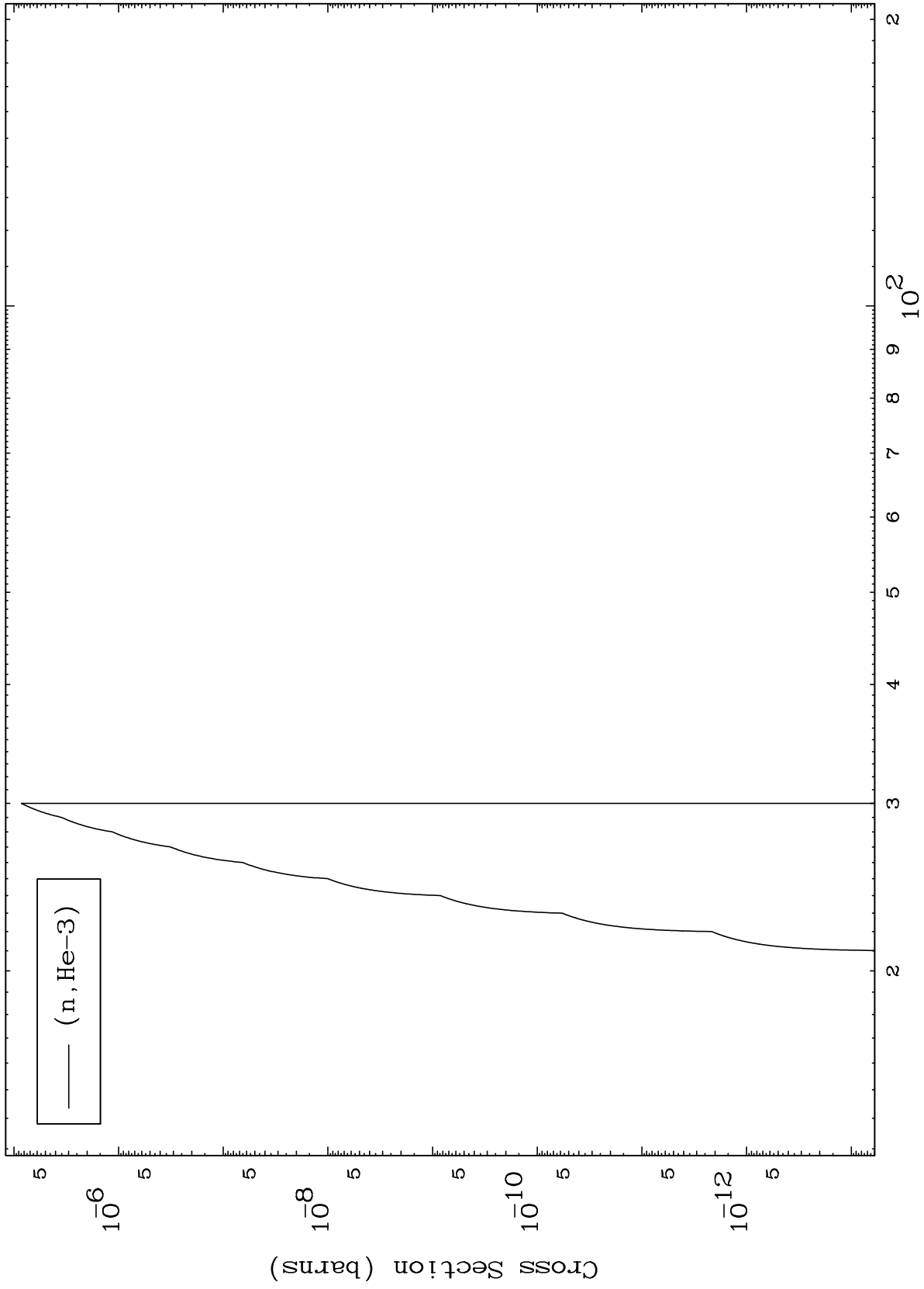
54-Xe-139



12

Incident Energy (MeV)

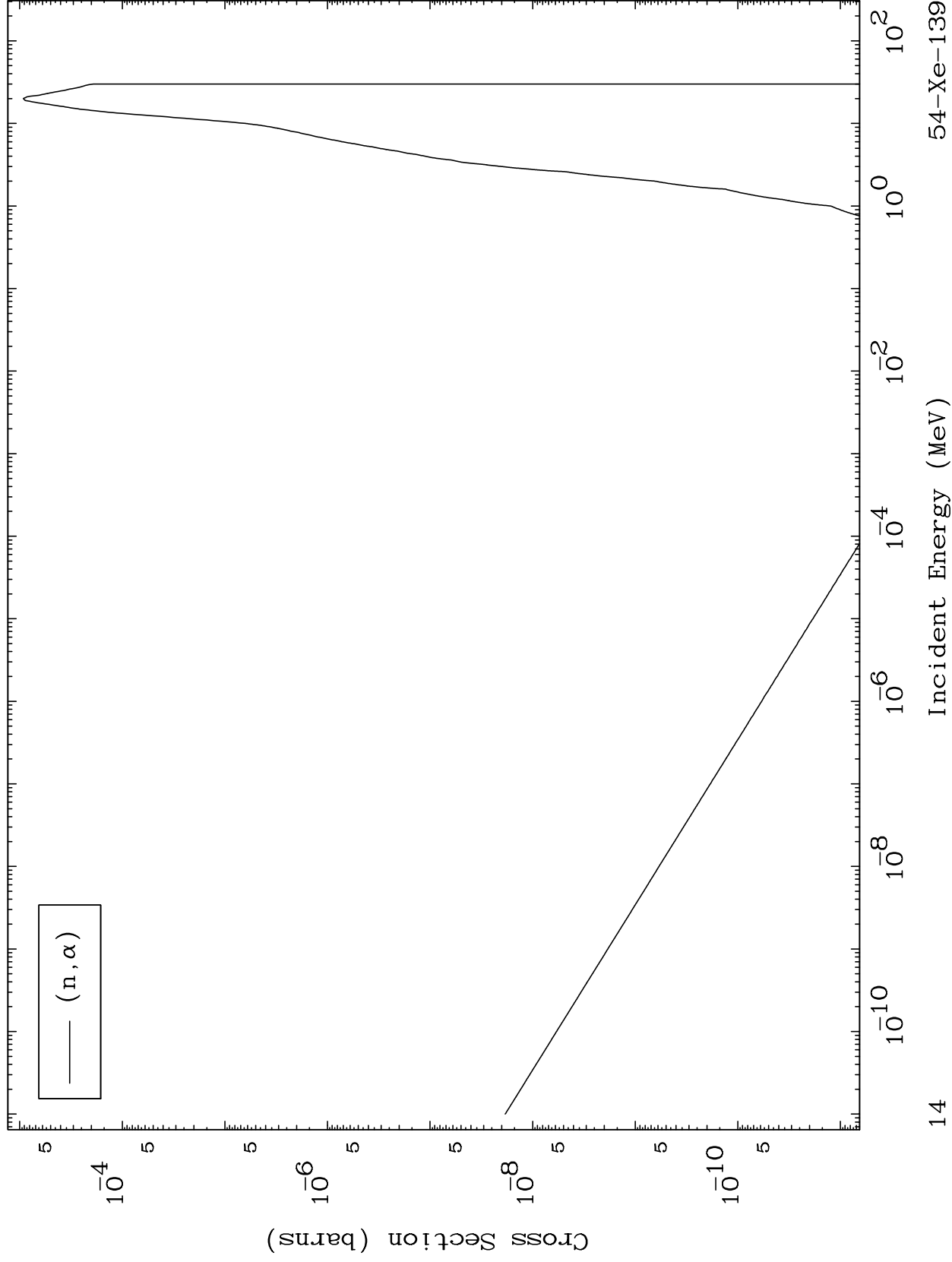
54-Xe-139



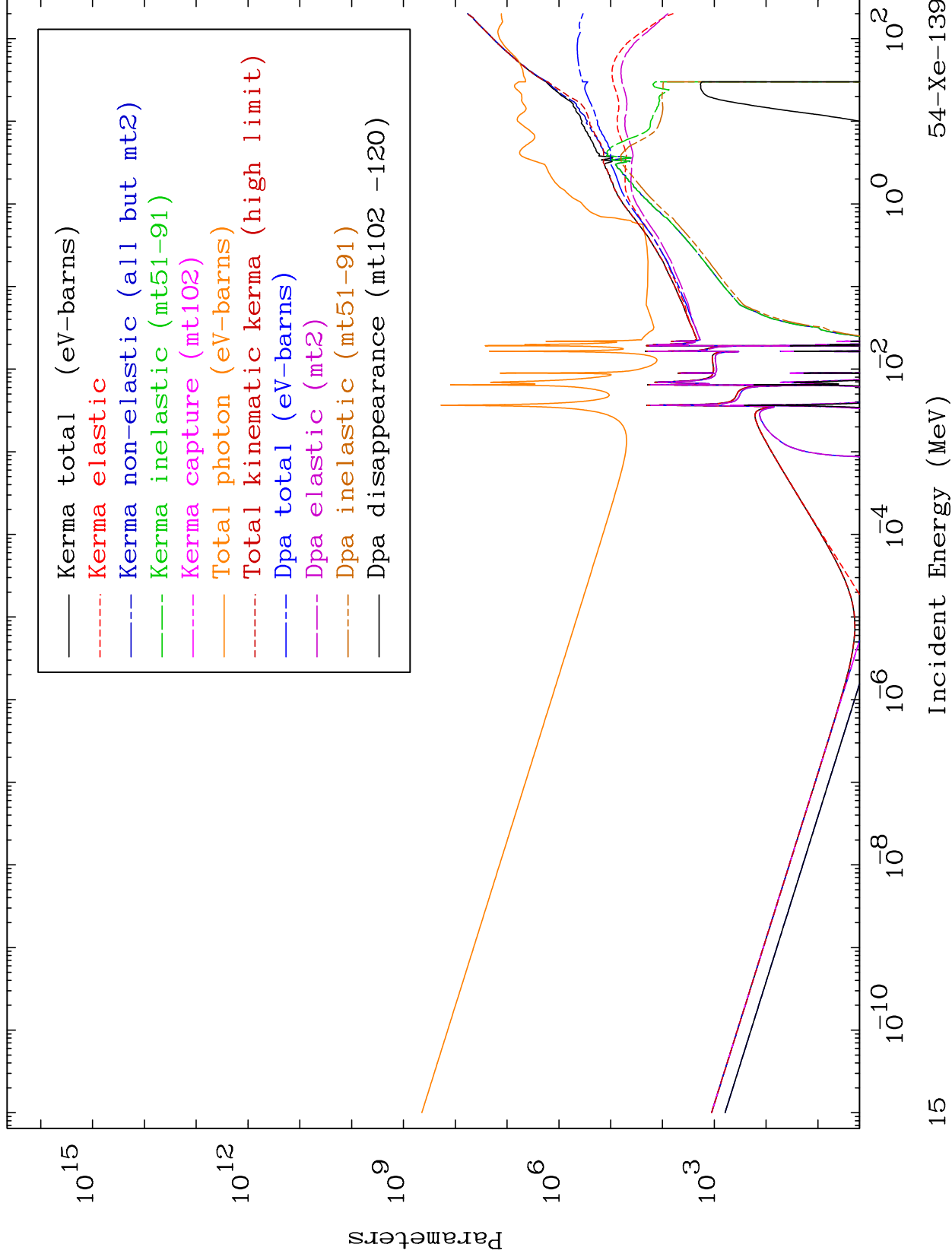
MAT 5470

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

54-Xe-139



14

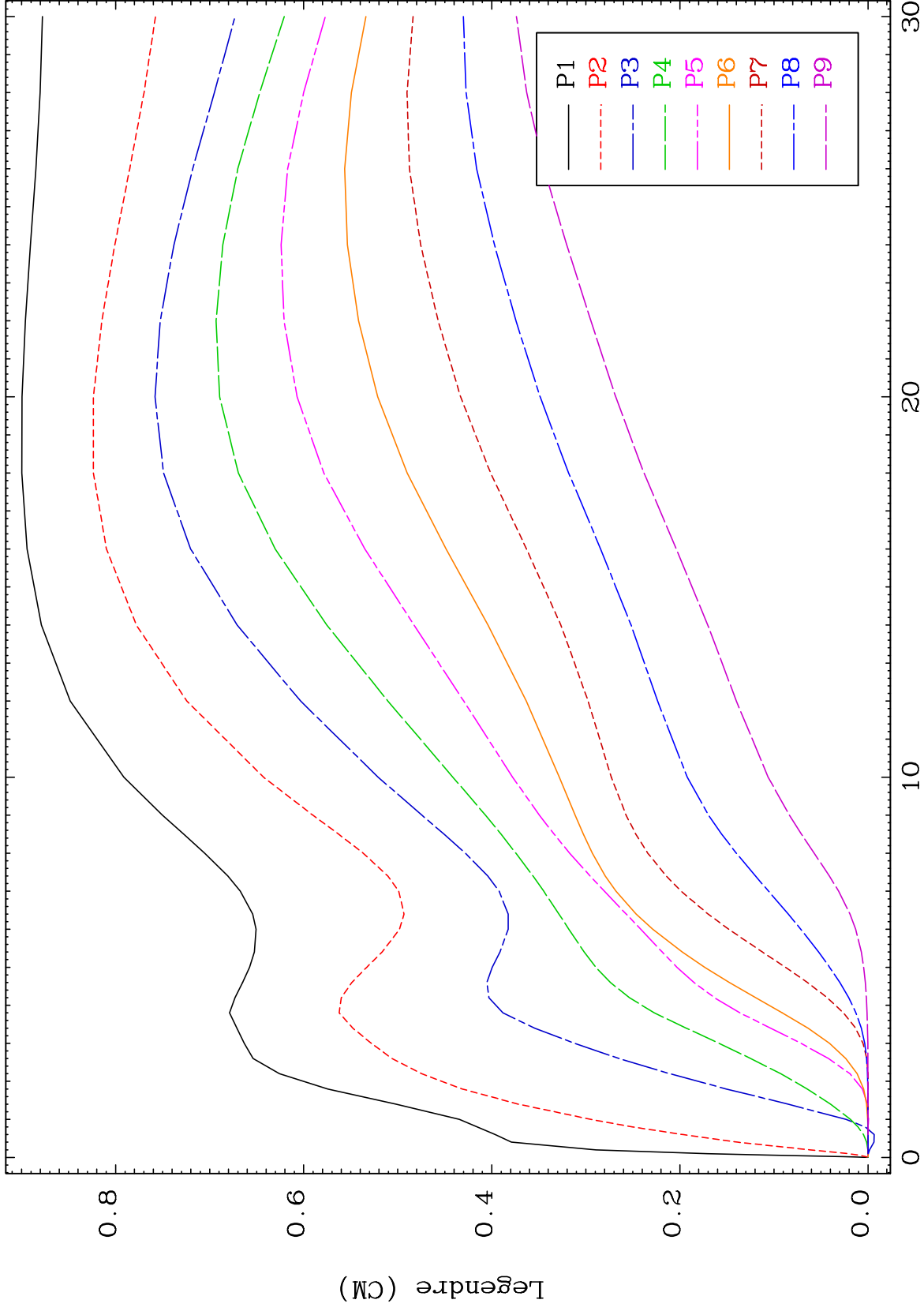




MAT 5470

Elastic Legendre Coefficients

54-Xe-139



16

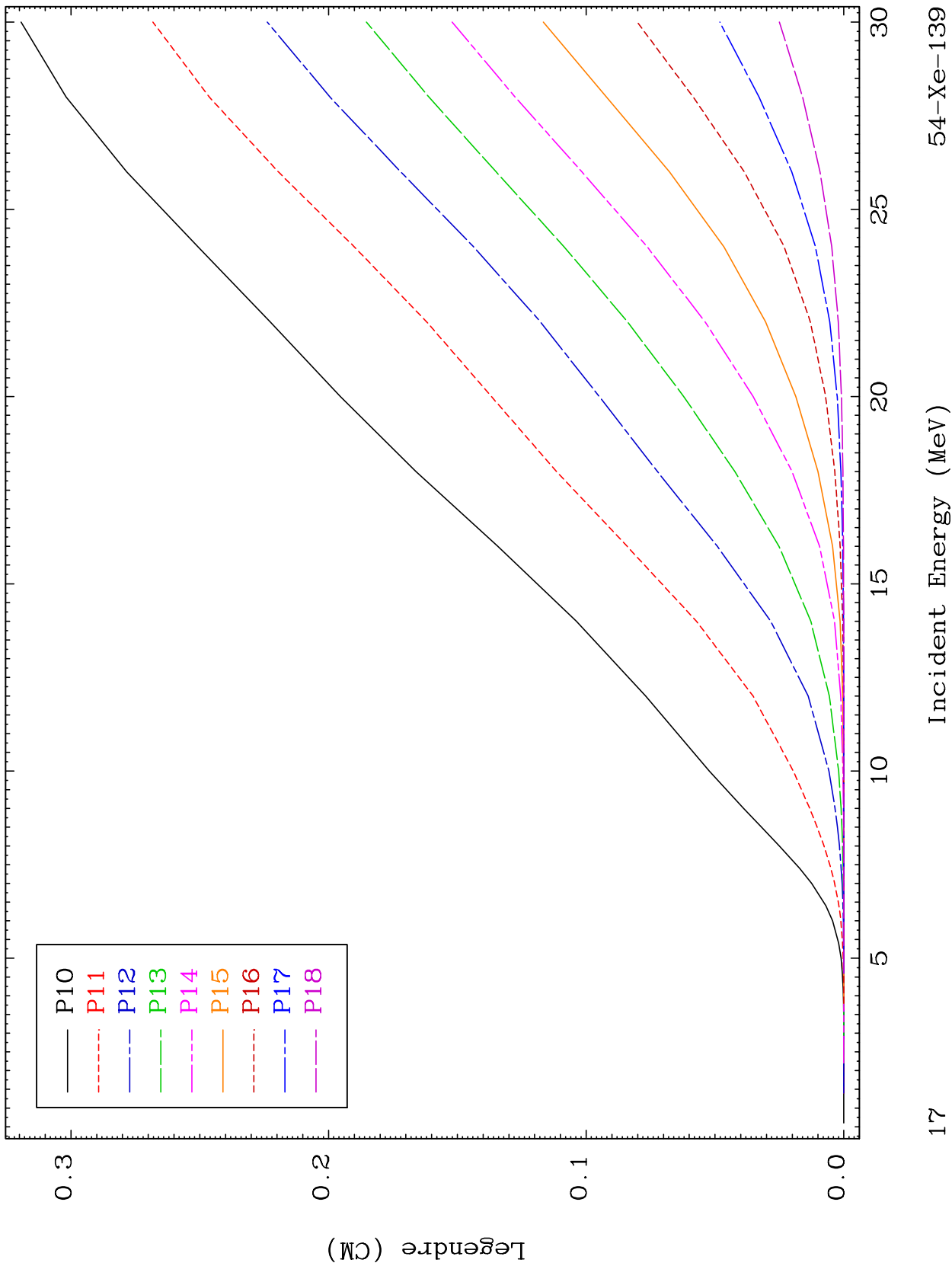
Incident Energy (MeV)

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



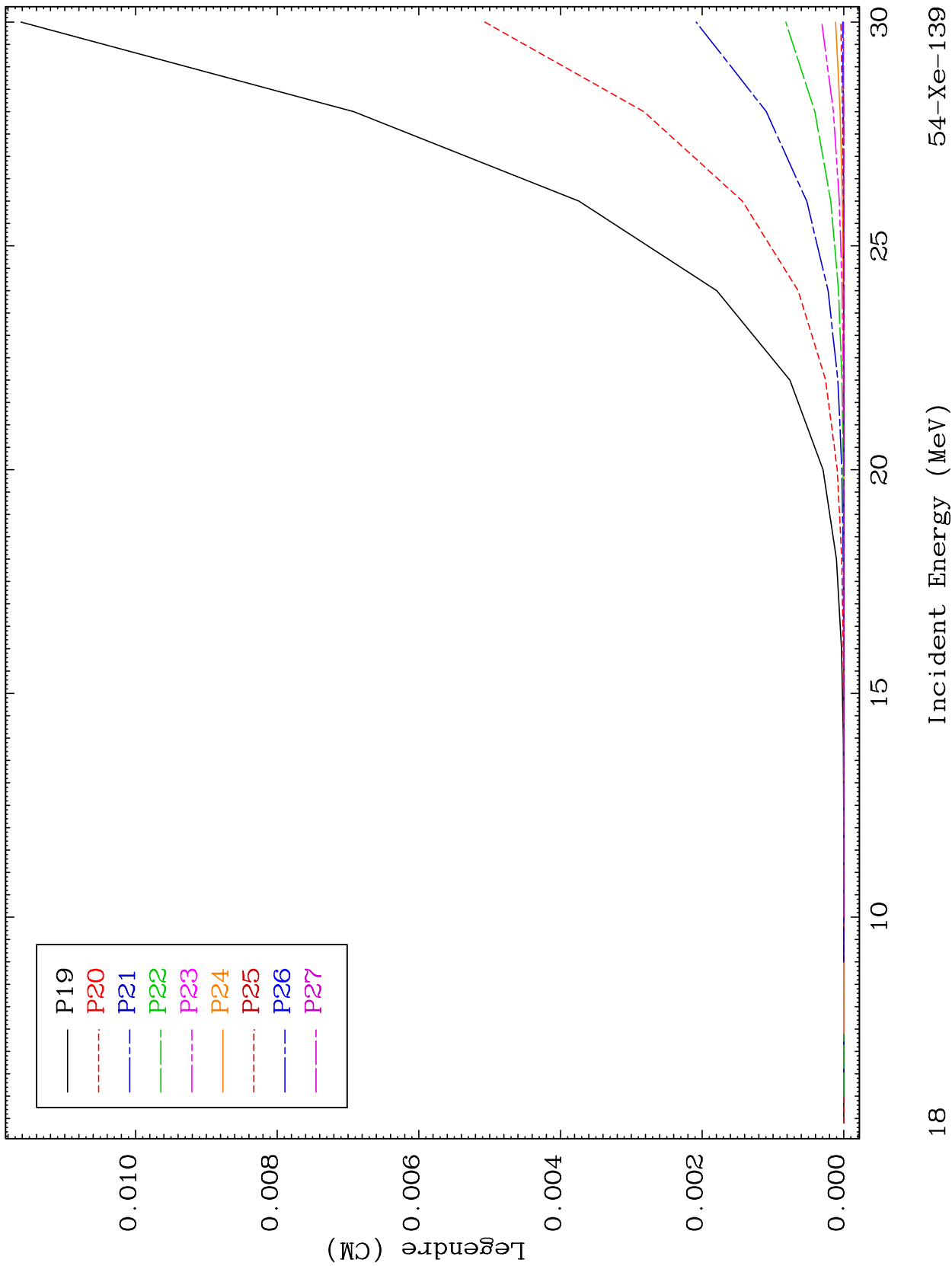
17

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



18

Incident Energy (MeV)

54-Xe-139



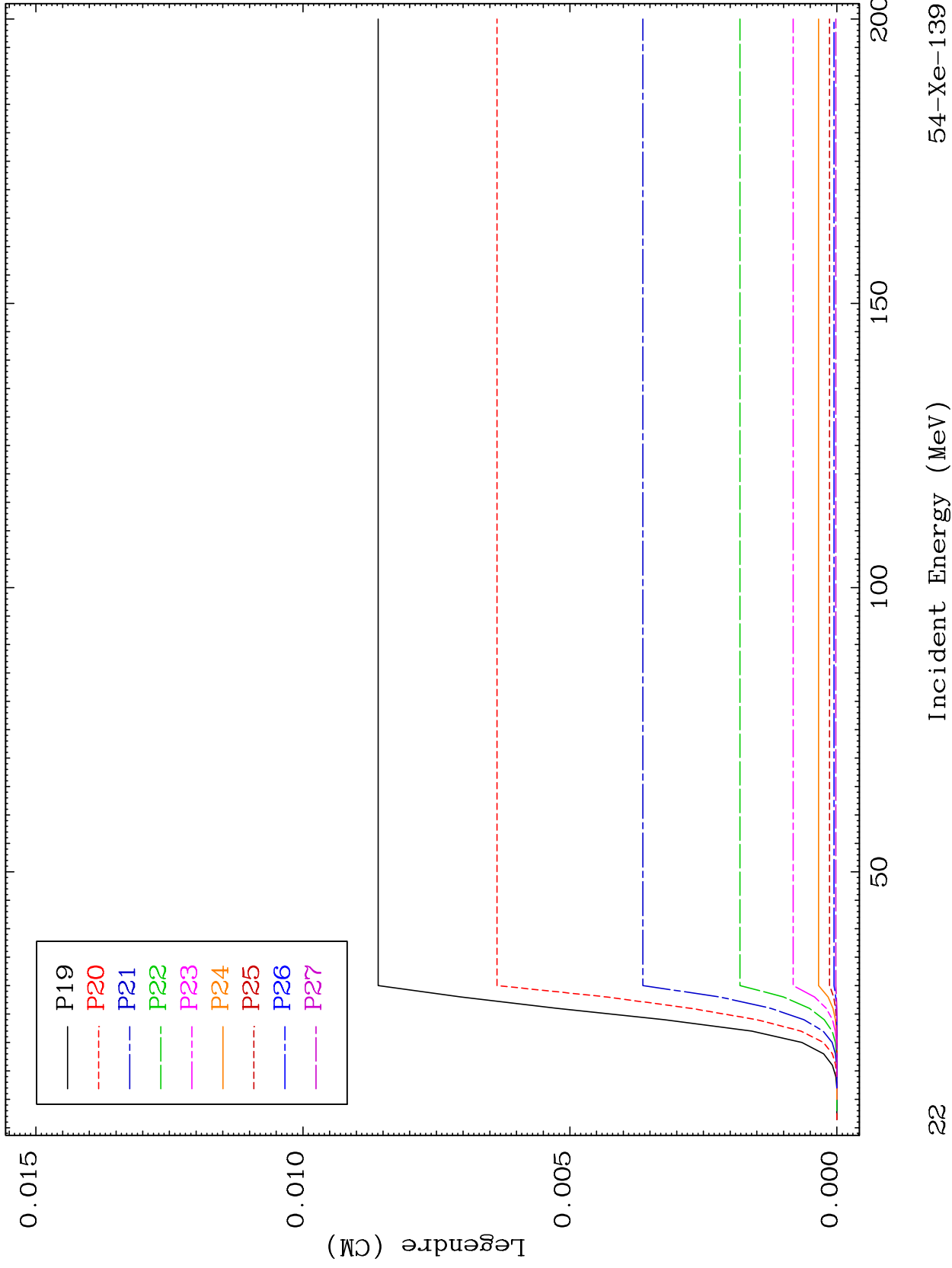




MAT 5470

22.86 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



22

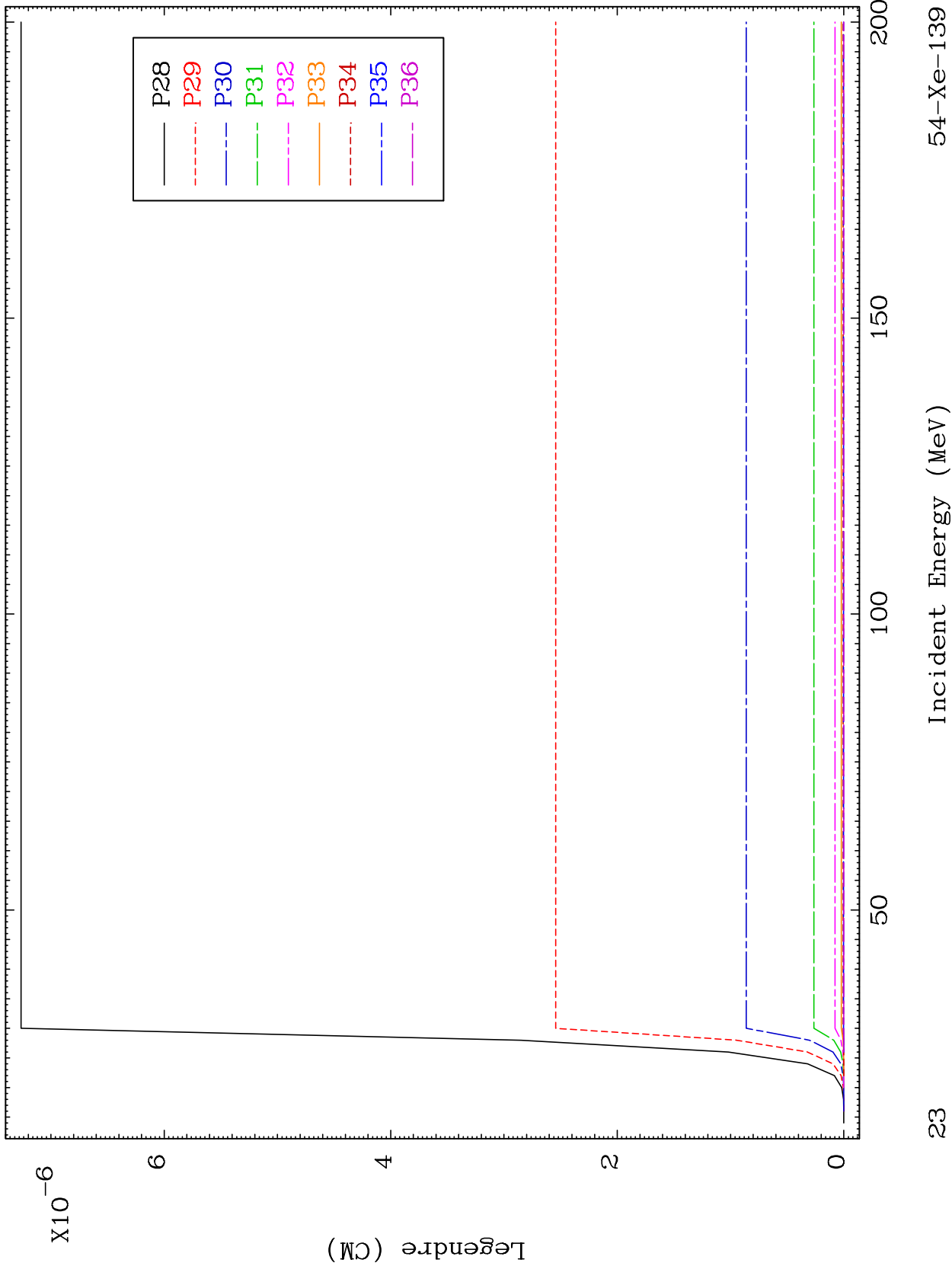
Incident Energy (MeV)

54-Xe-139

MAT 5470

22.86 keV (n, n') Level  
Legendre Coefficients

54-Xe-139



23

Incident Energy (MeV)

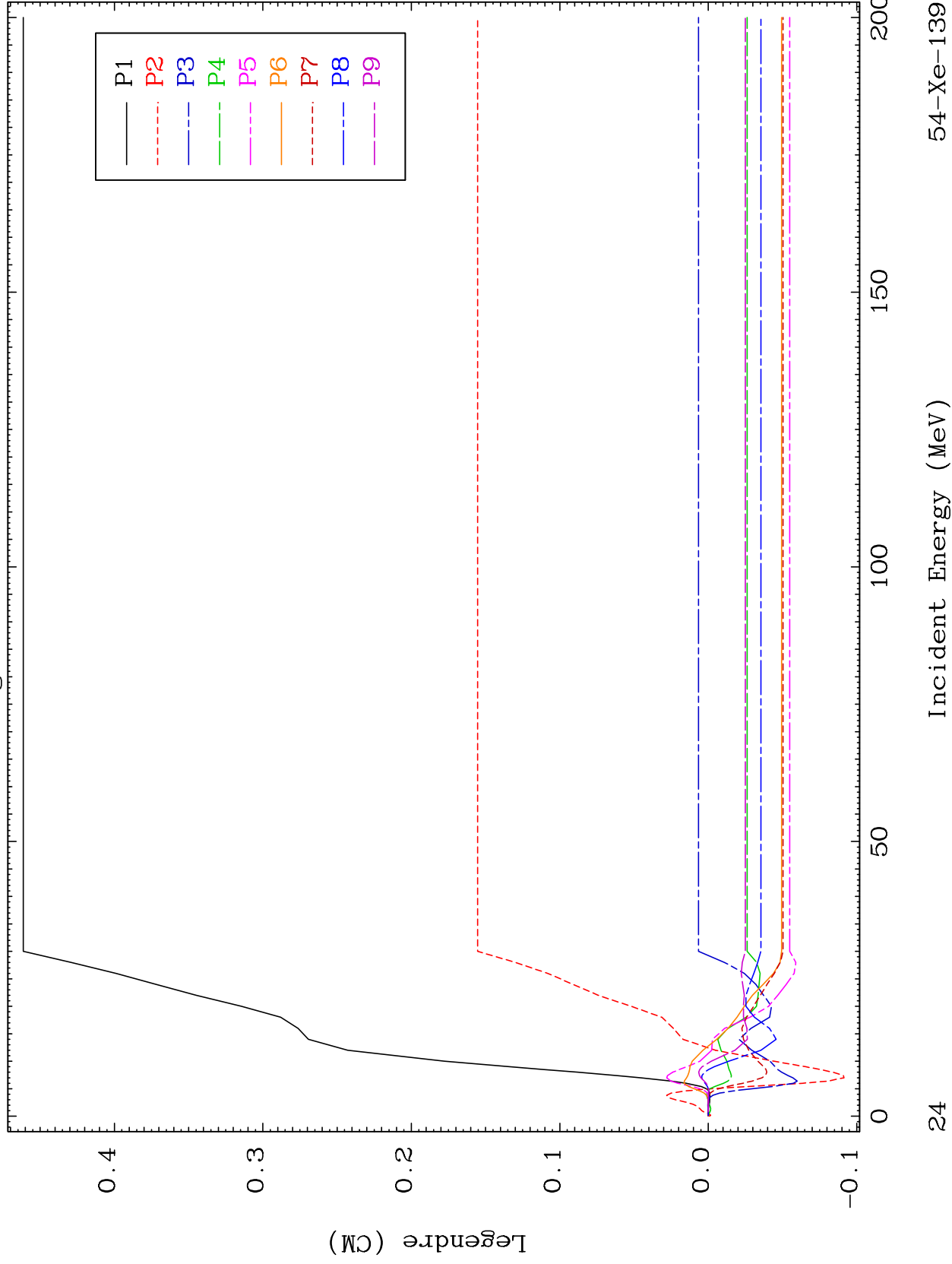
54-Xe-139



MAT 5470

31.85 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



54-Xe-139

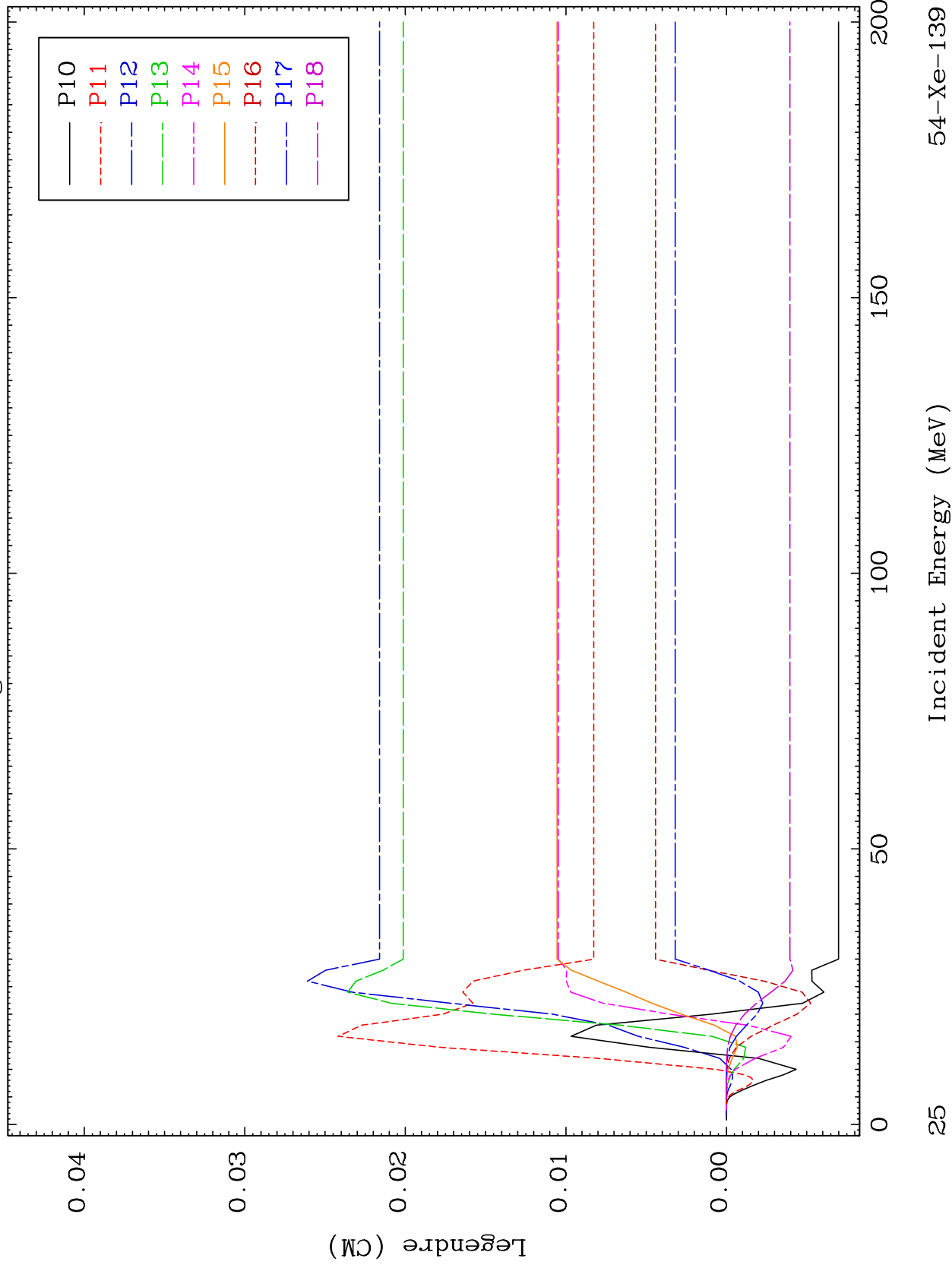
Incident Energy (MeV)

24

MAT 5470

31.85 keV (n,n') Level  
Legendre Coefficients

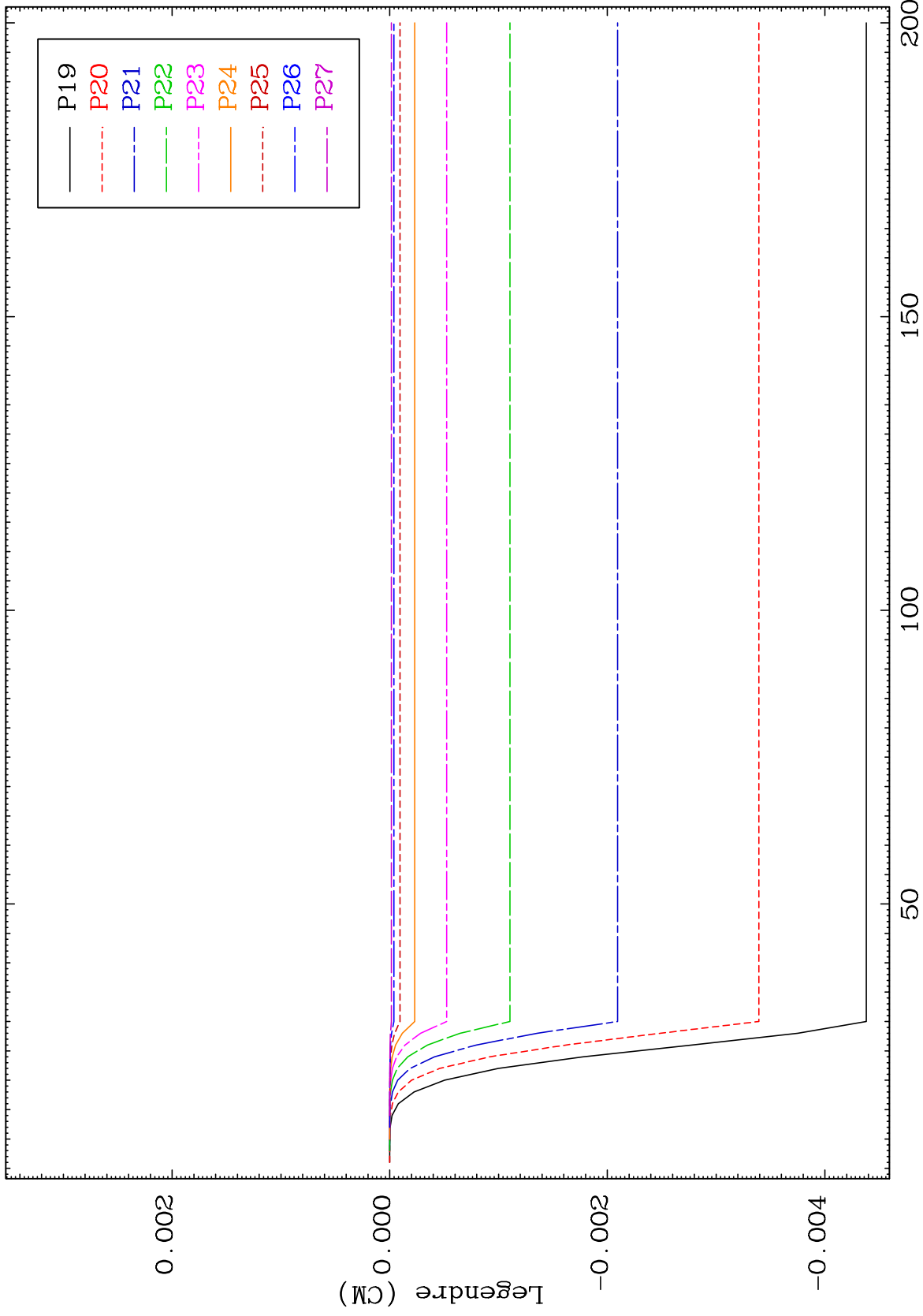
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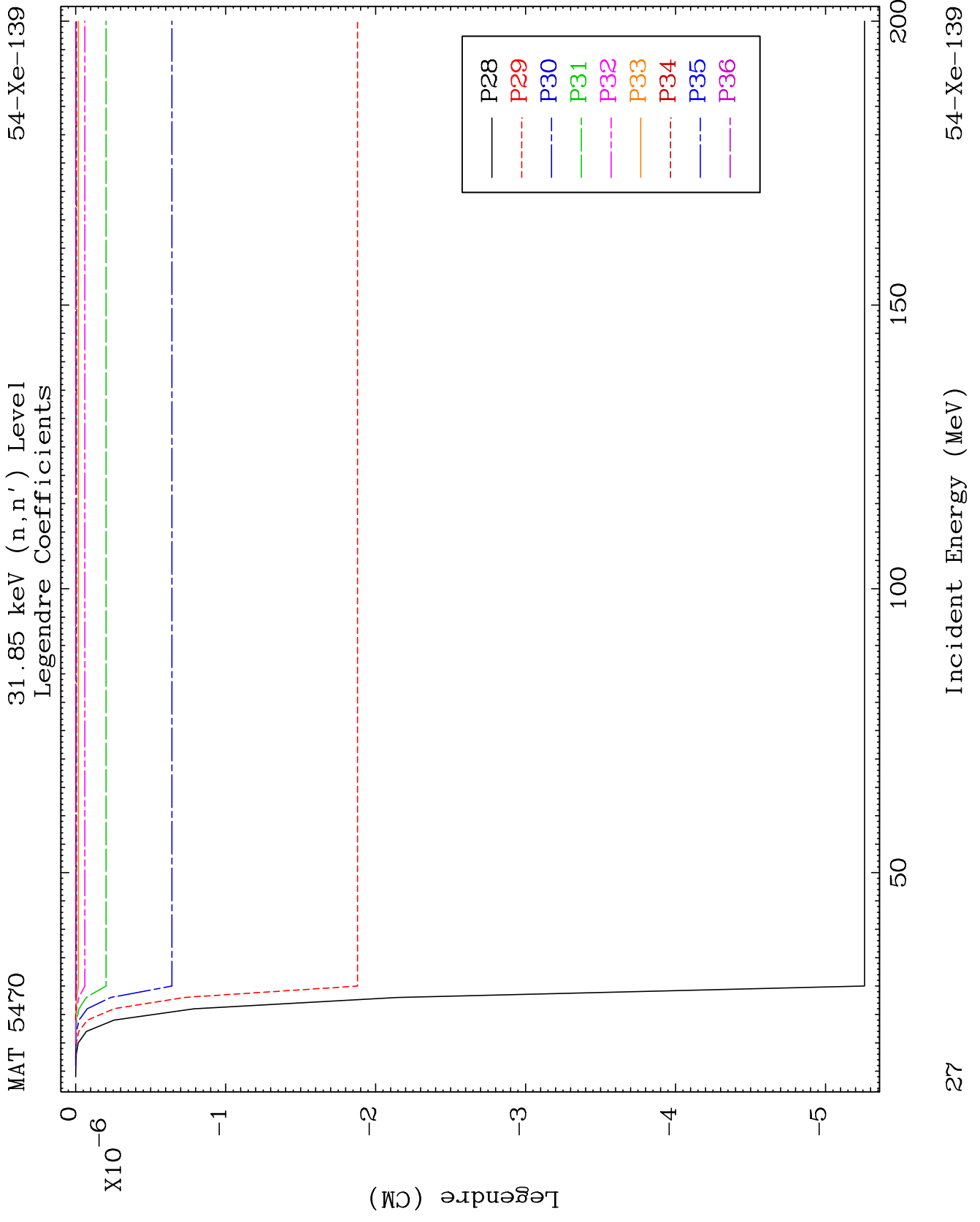


54-Xe-139

Incident Energy (MeV)

25

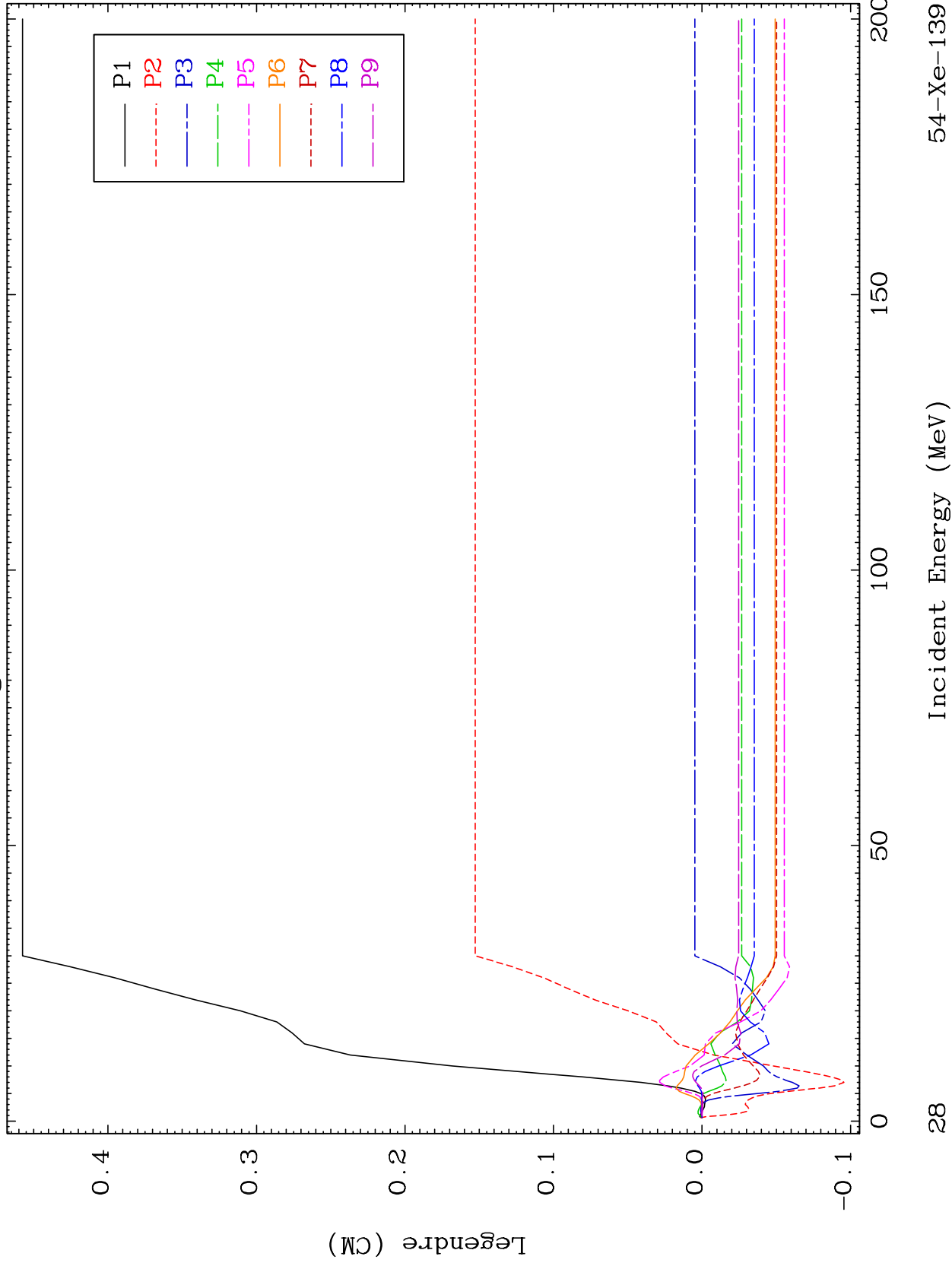




MAT 5470

559.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



54-Xe-139

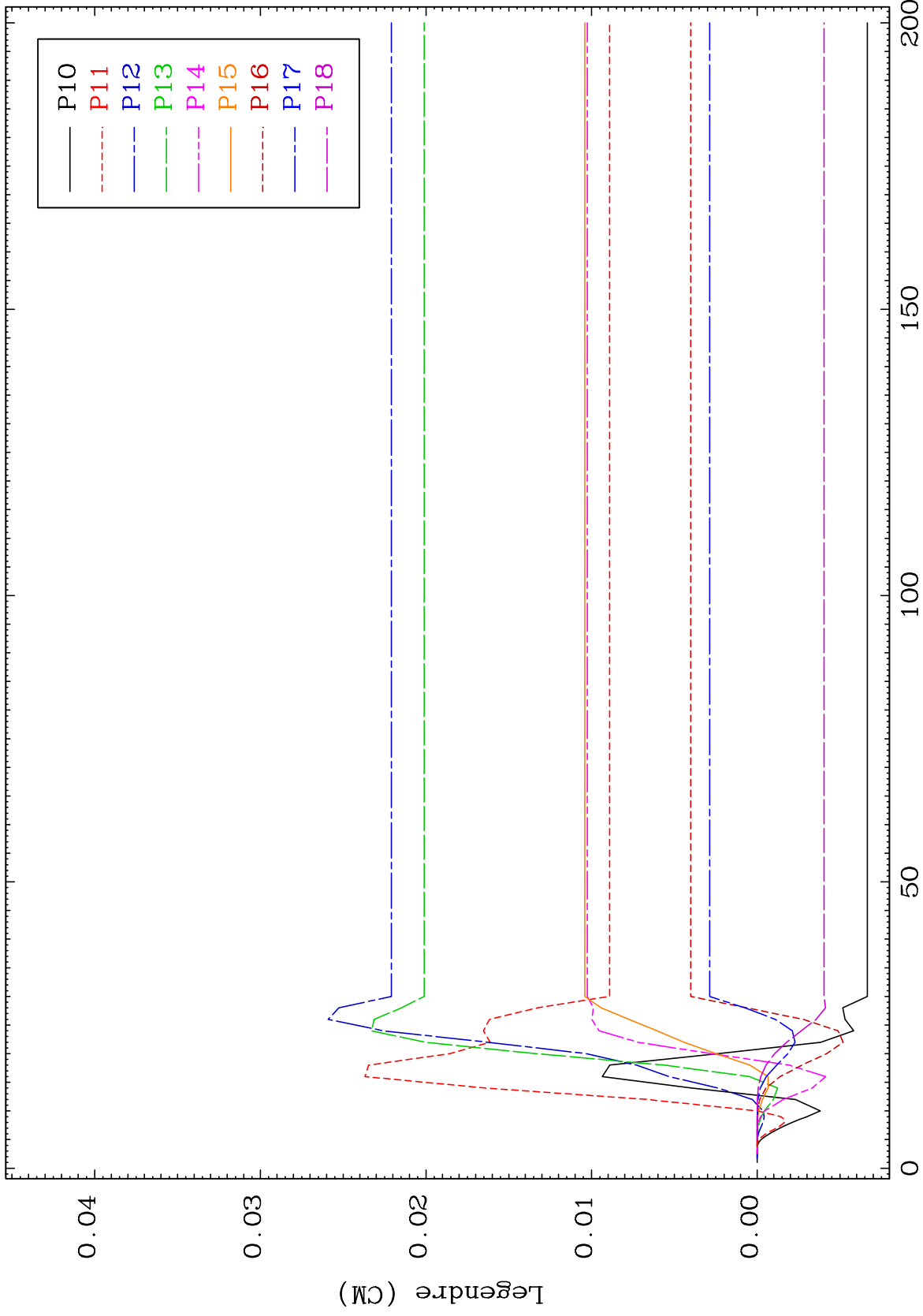
Incident Energy (MeV)

28

MAT 5470

559.7 keV (n,n') Level  
Legendre Coefficients

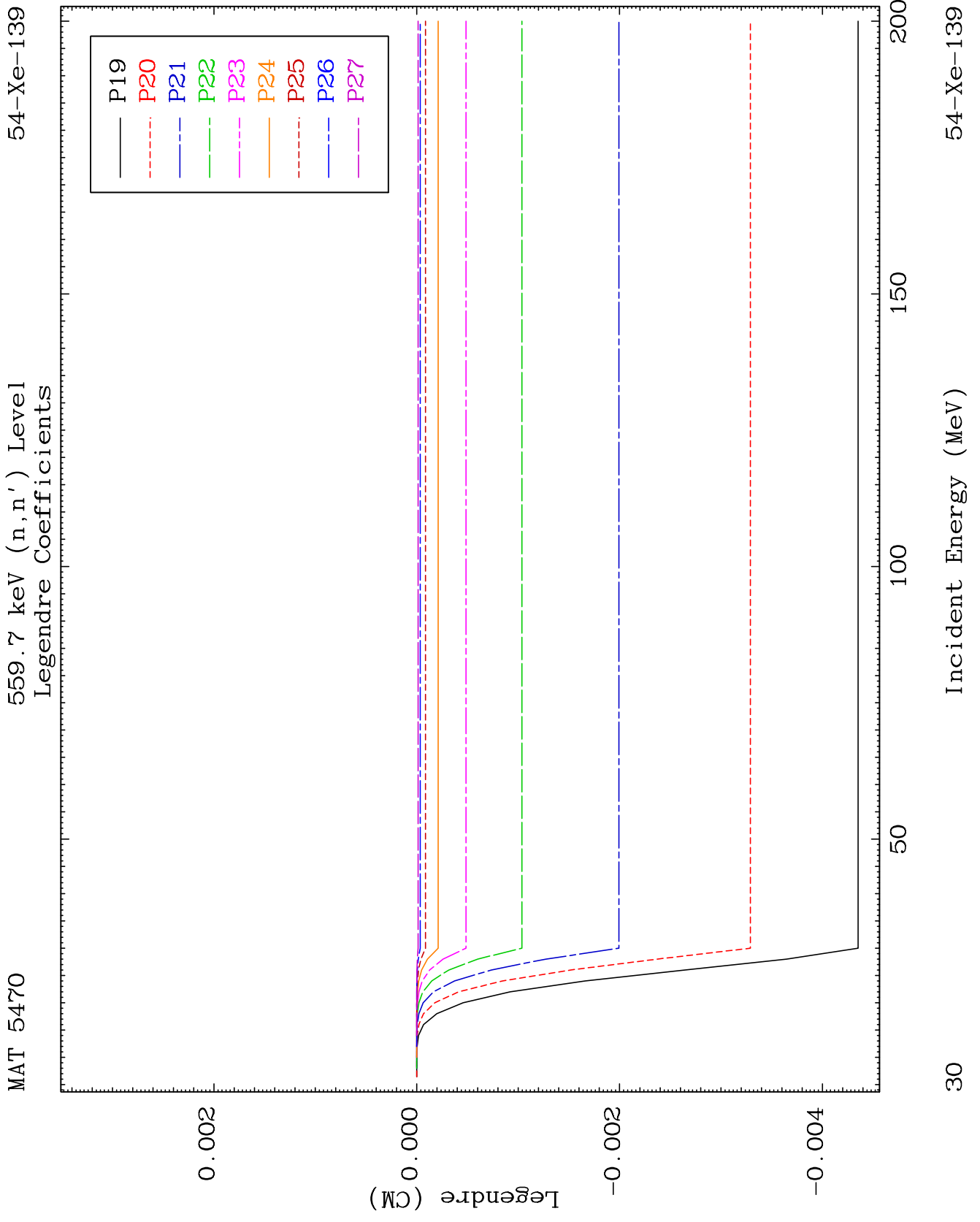
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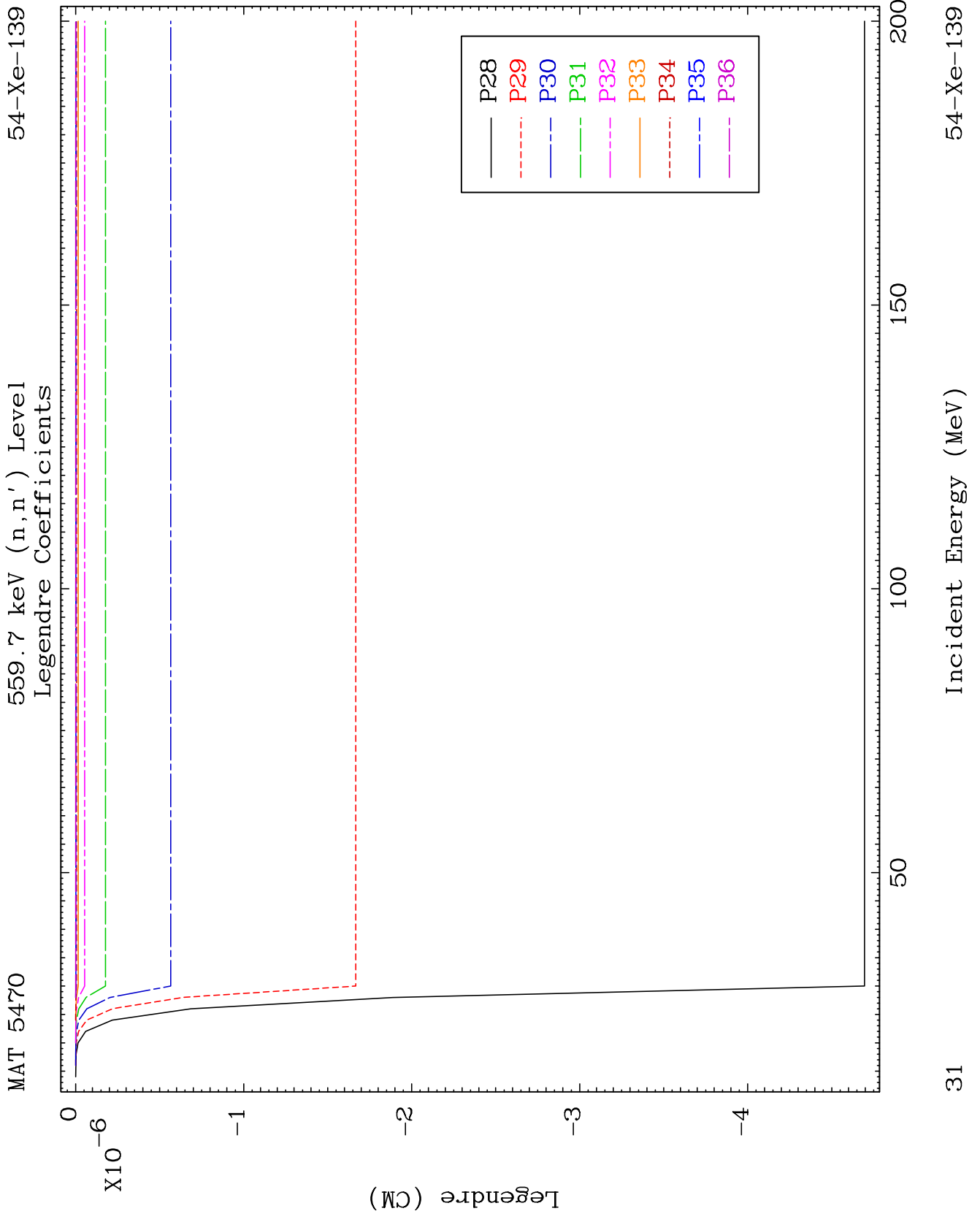


29

Incident Energy (MeV)

54-Xe-139



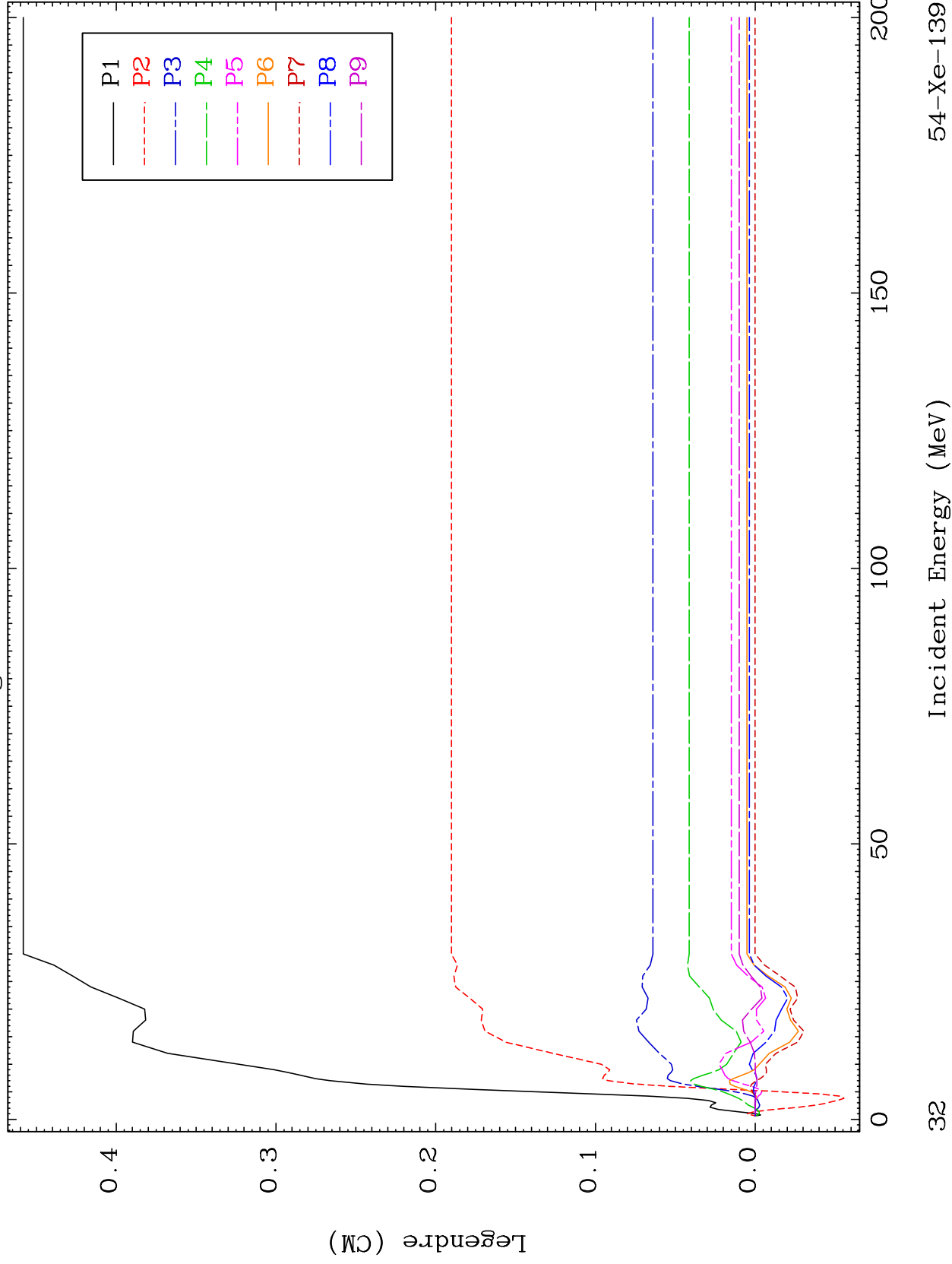




MAT 5470

594.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



54-Xe-139

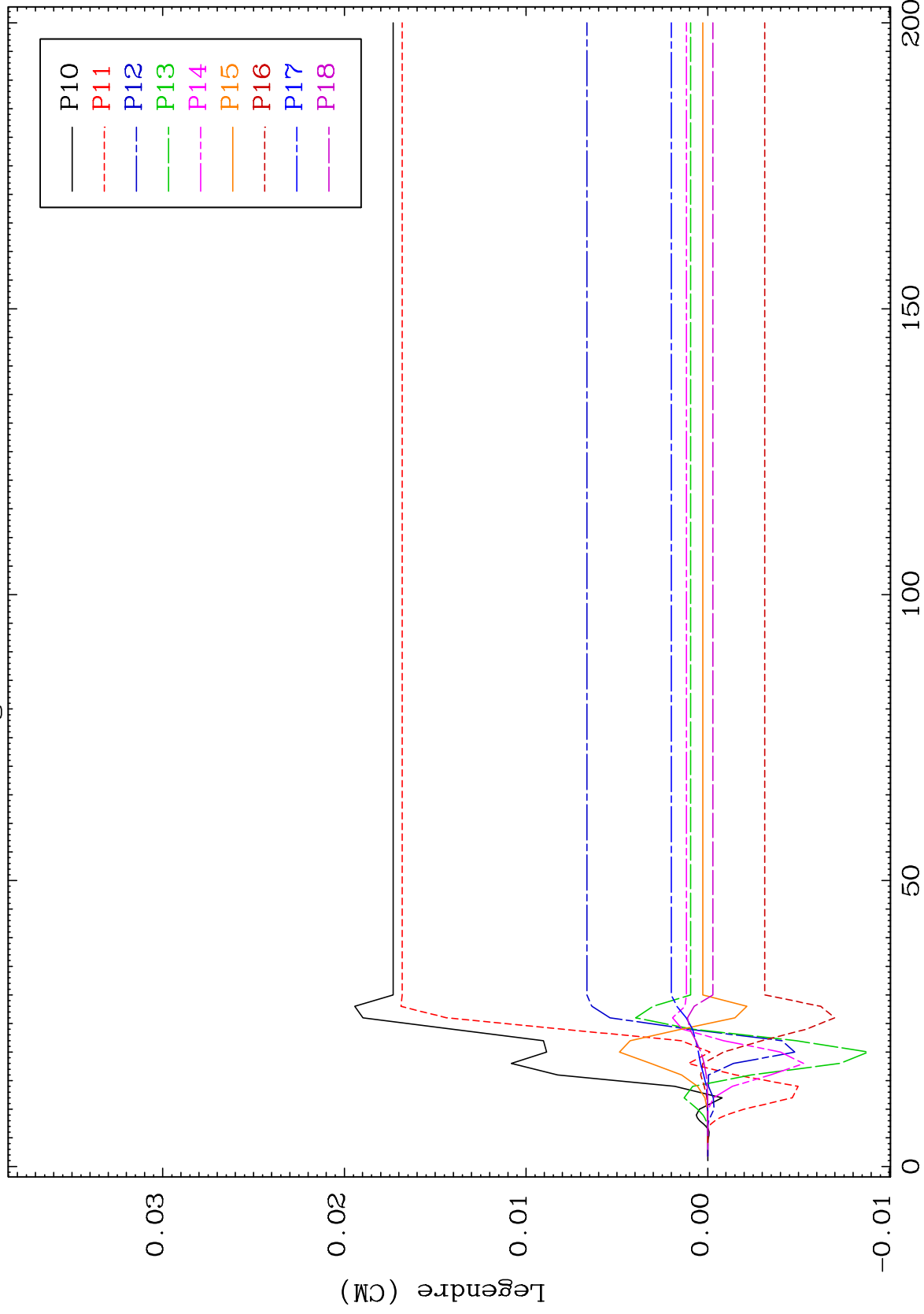
Incident Energy (MeV)

32

MAT 5470

594.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



33

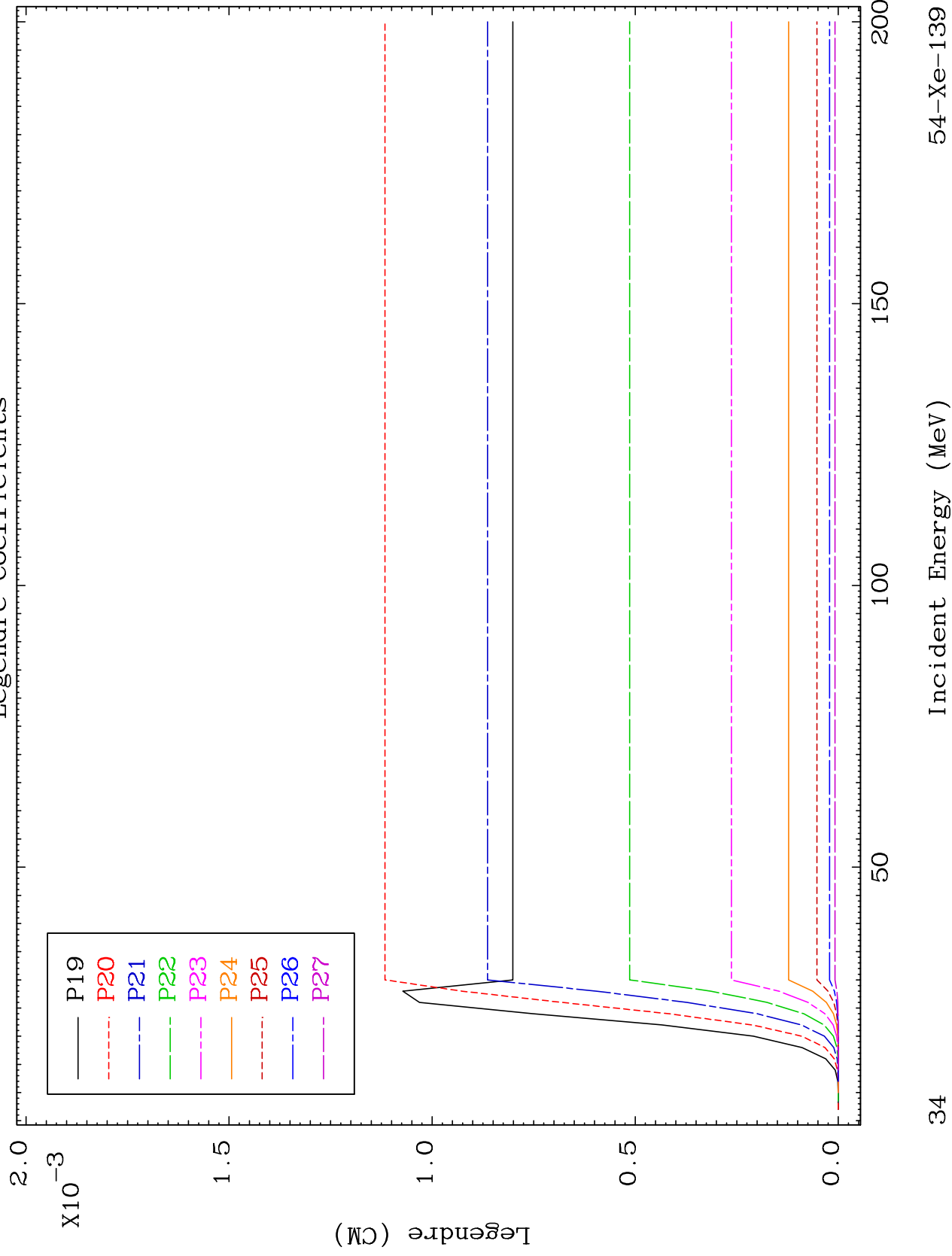
Incident Energy (MeV)

54-Xe-139

MAT 5470

594.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



34

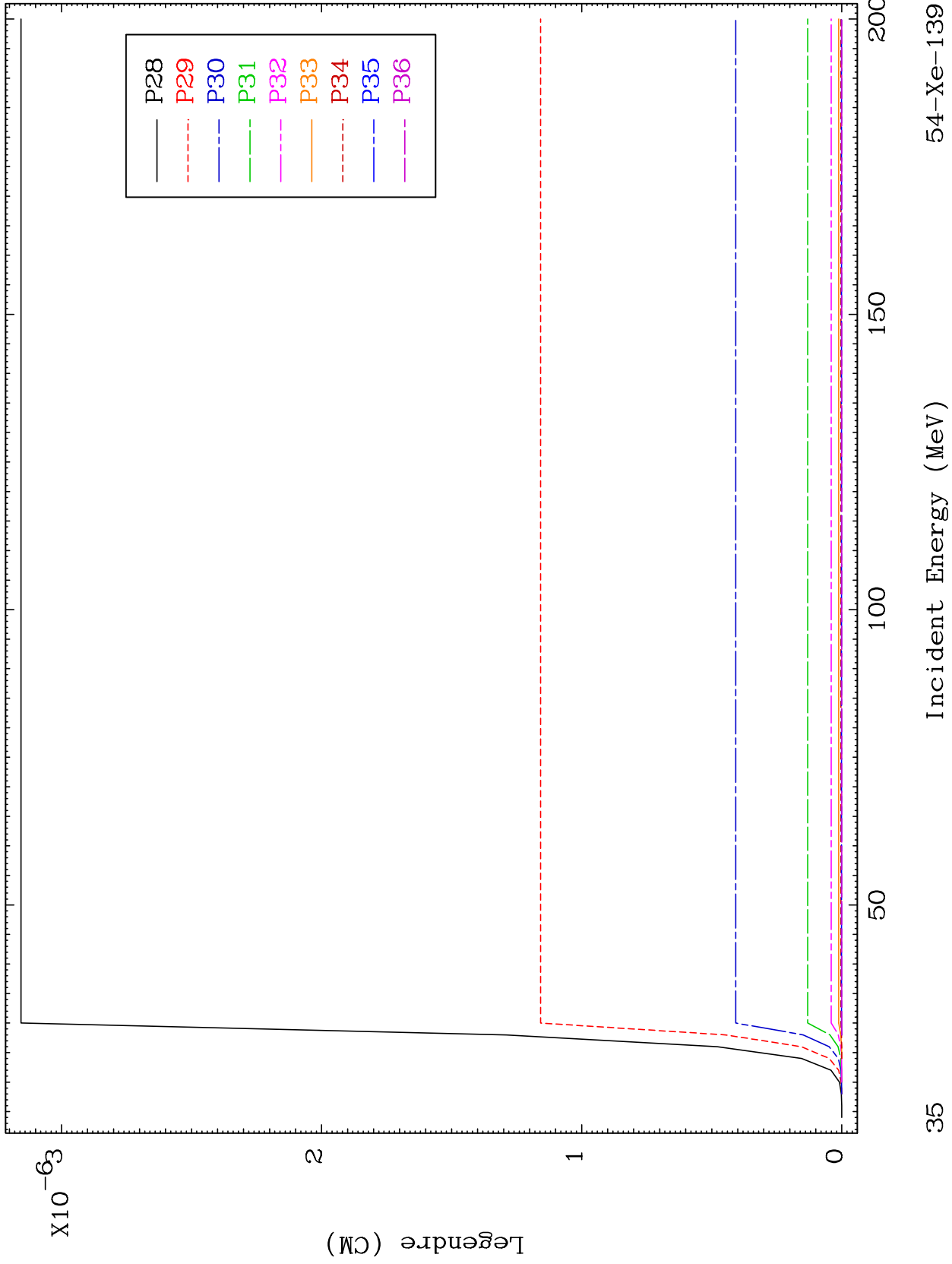
Incident Energy (MeV)

54-Xe-139

MAT 5470

594.3 keV (n,n') Level  
Legendre Coefficients

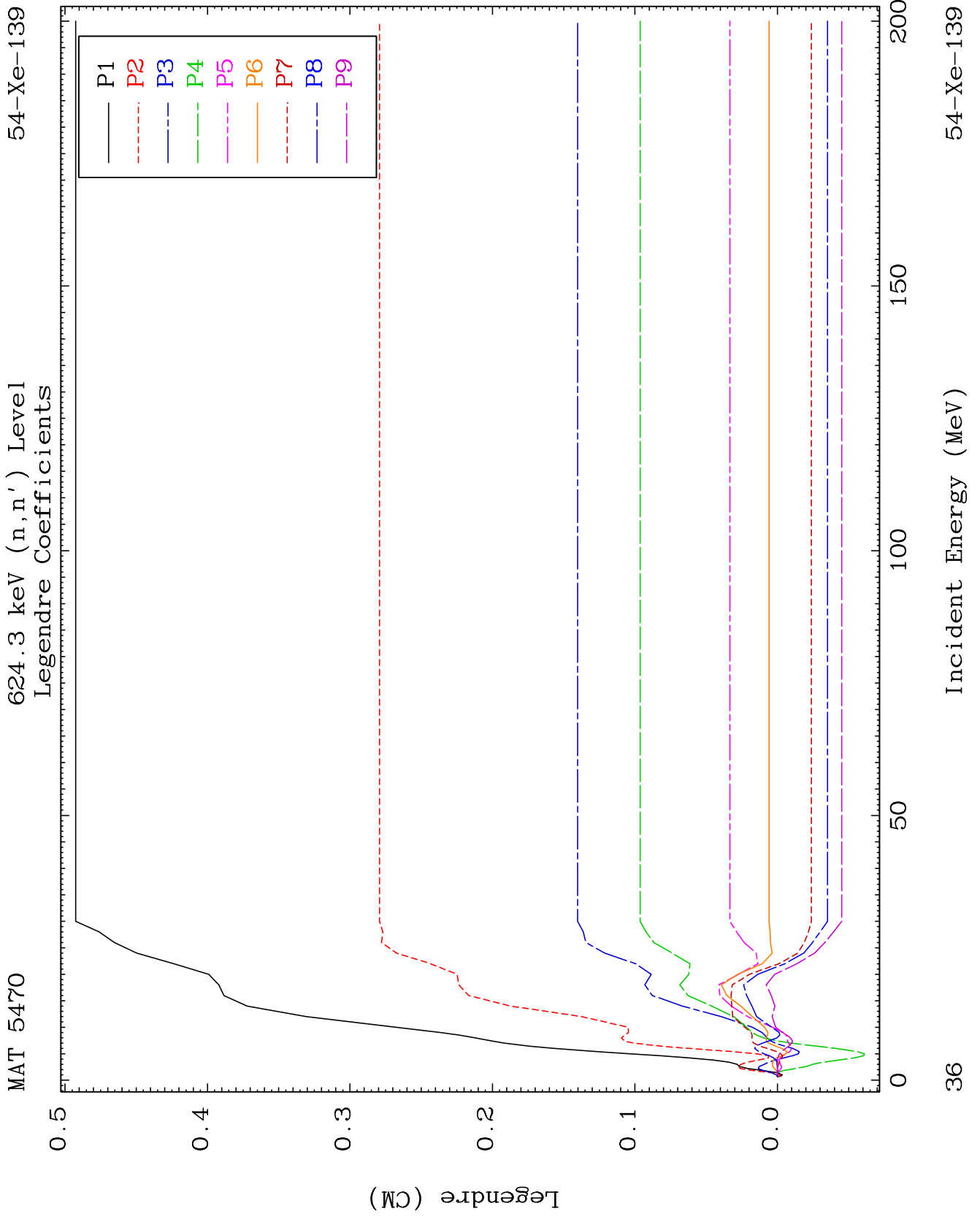
54-Xe-139



35

Incident Energy (MeV)

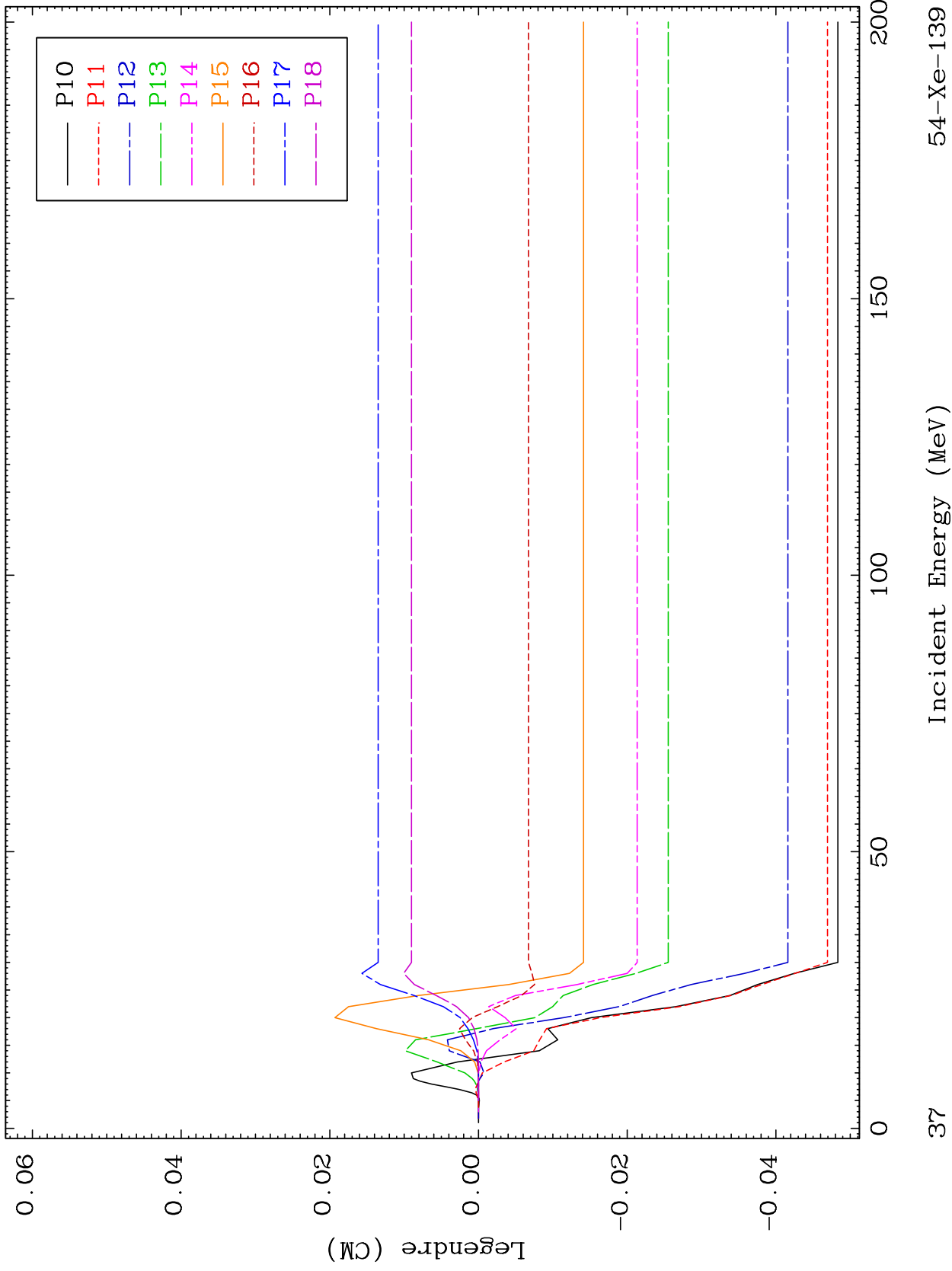
54-Xe-139



MAT 5470

624.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



37

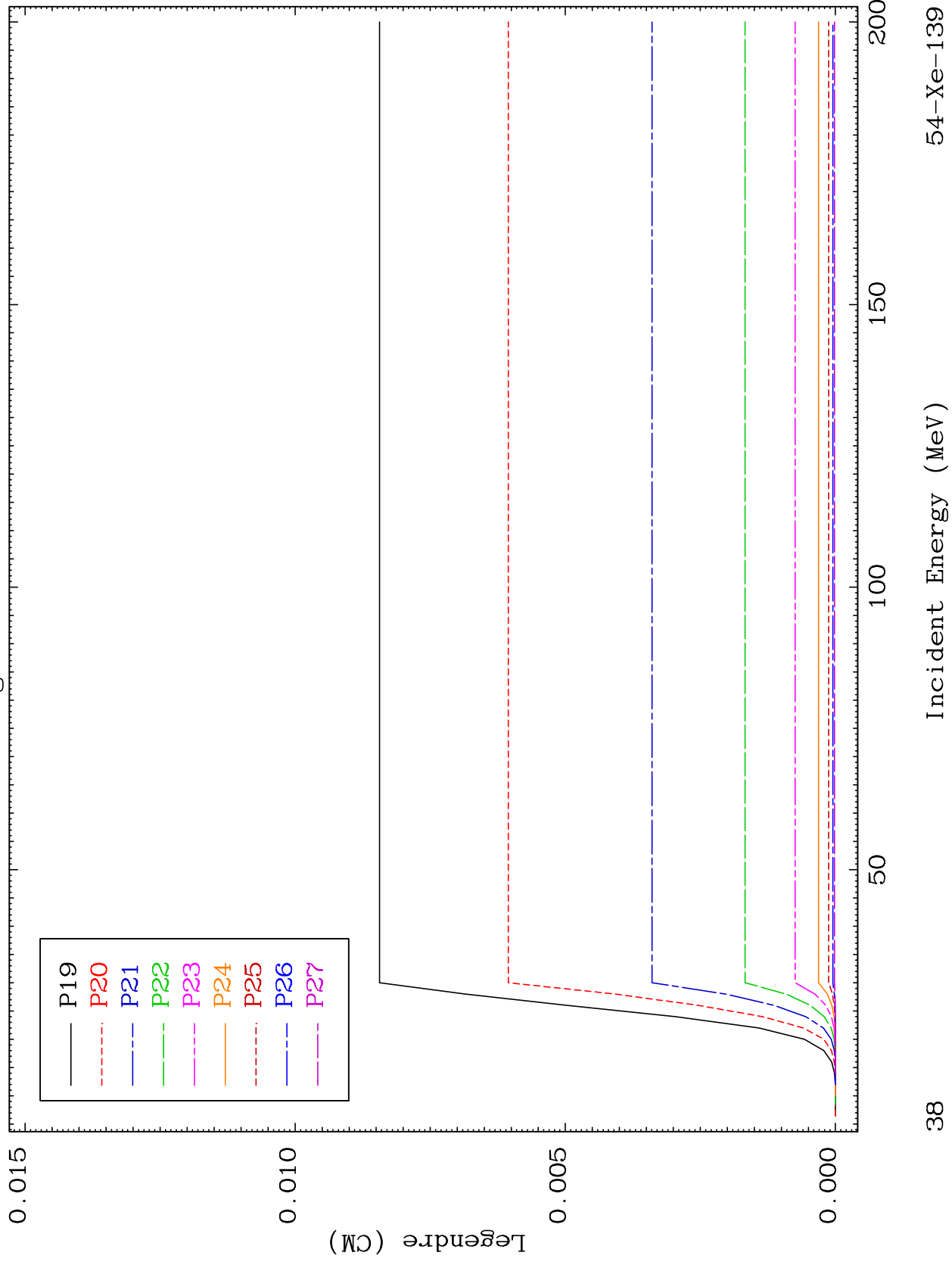
Incident Energy (MeV)

54-Xe-139

MAT 5470

624.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



38

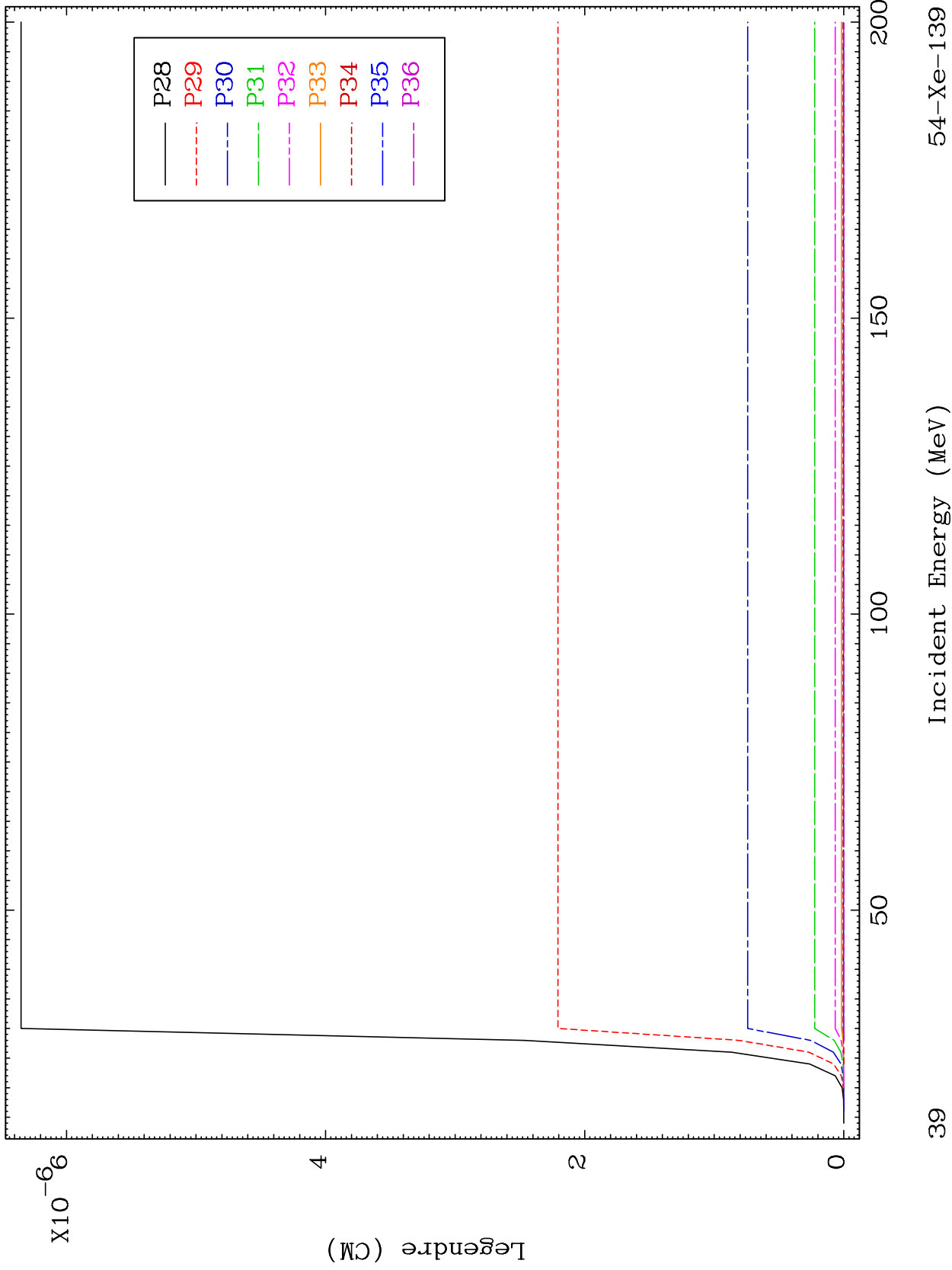
Incident Energy (MeV)

54-Xe-139

MAT 5470

624.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-139

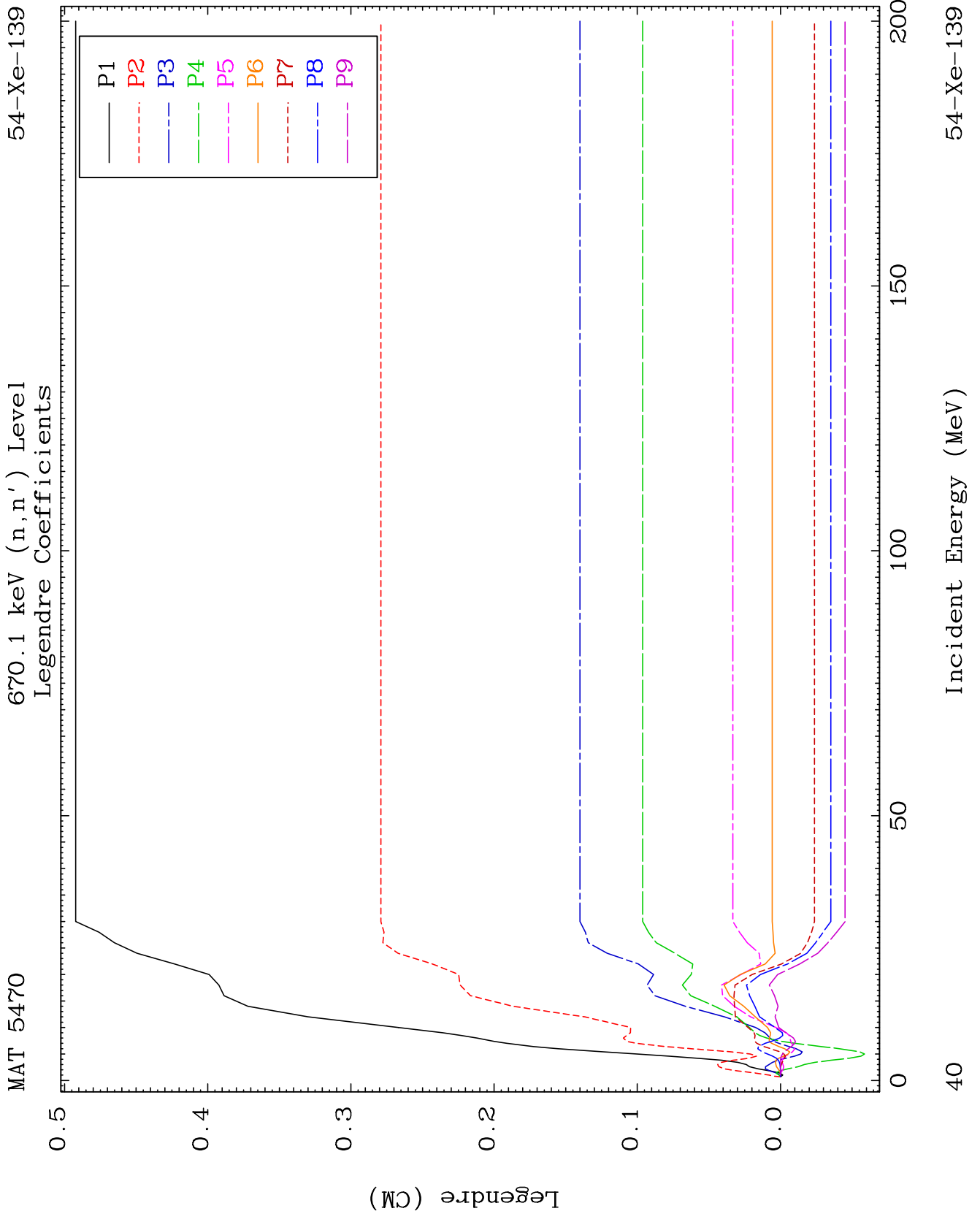


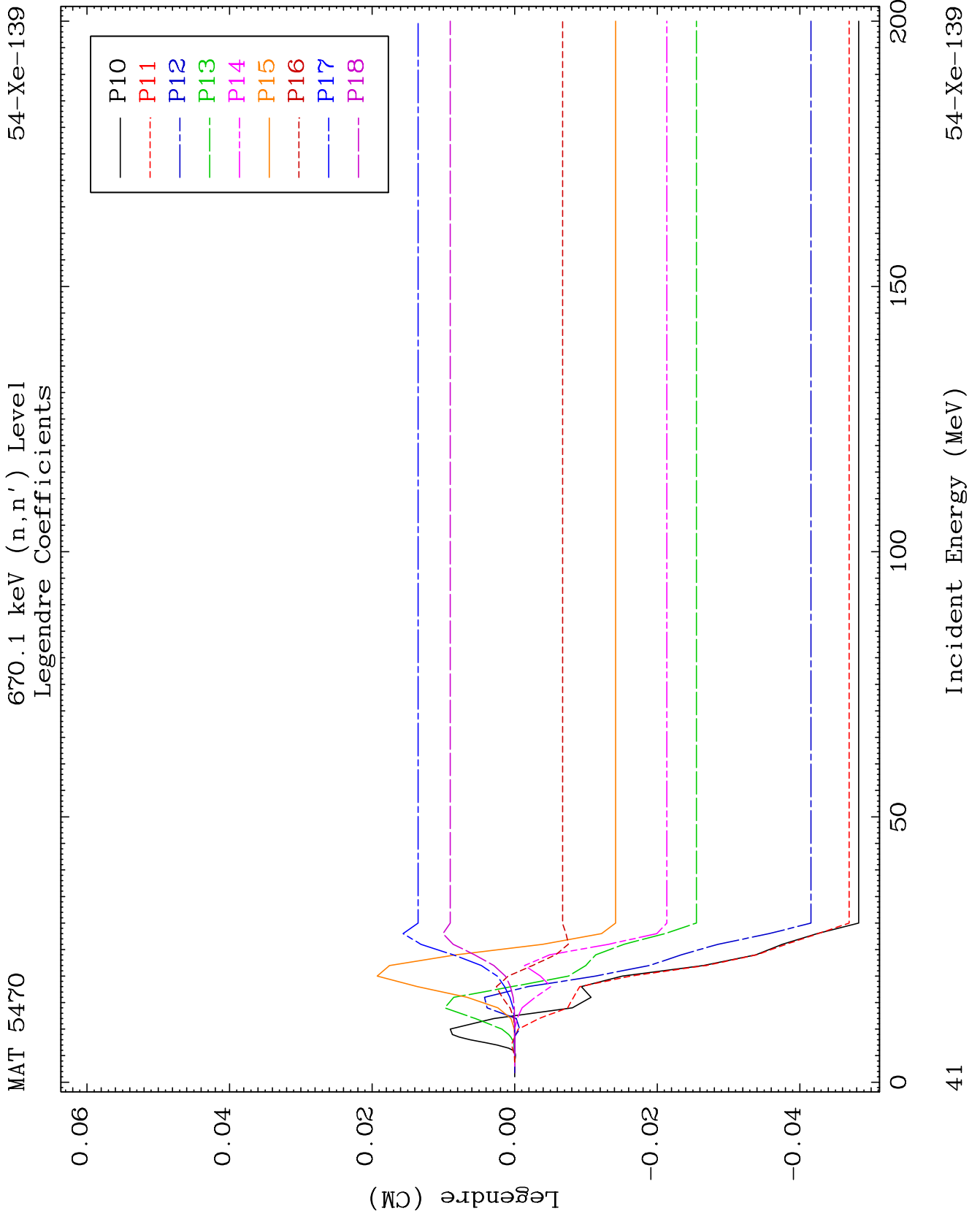
39

Incident Energy (MeV)

54-Xe-139



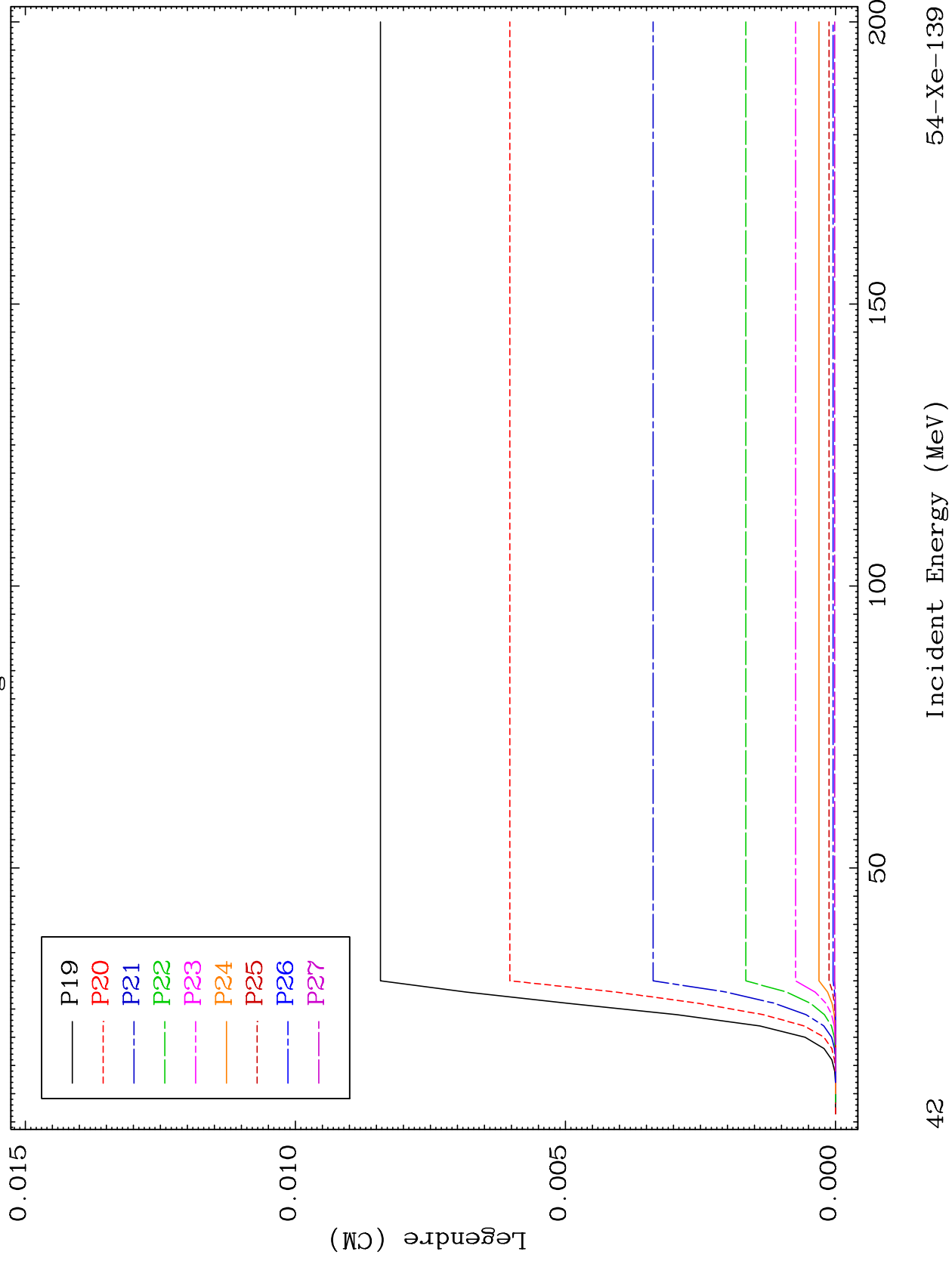




MAT 5470

670.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



42

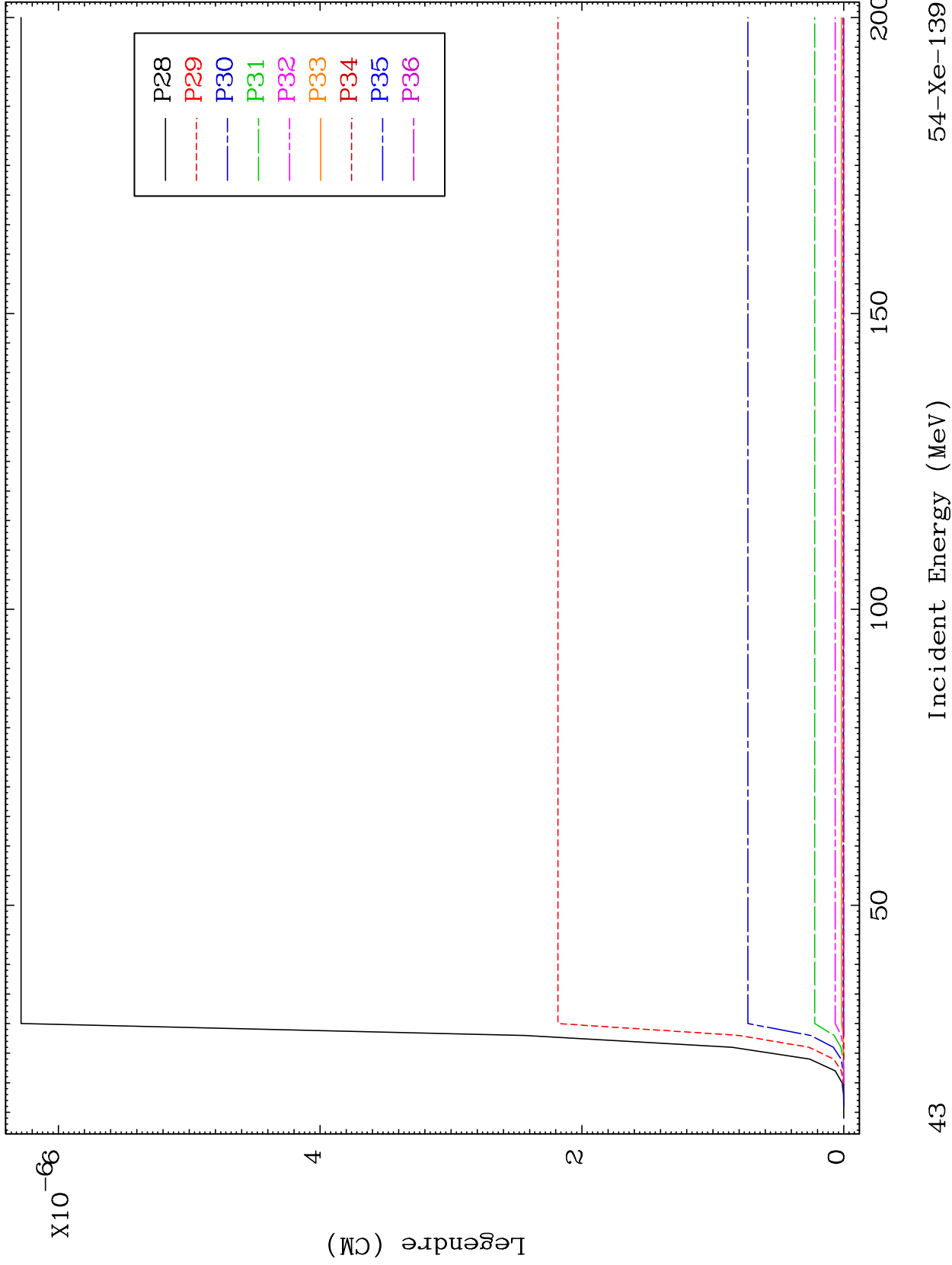
Incident Energy (MeV)

54-Xe-139

MAT 5470

670.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



43

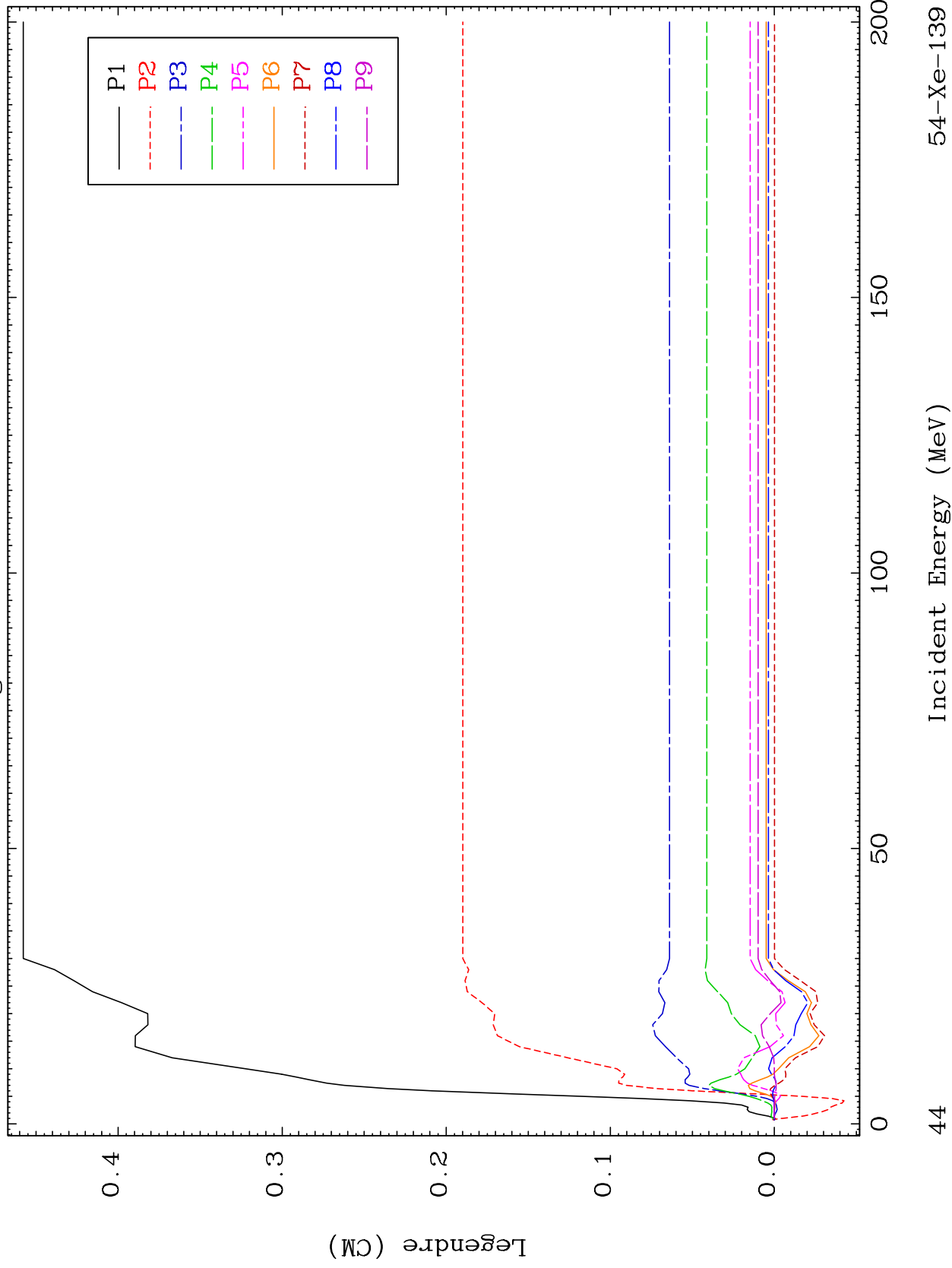
Incident Energy (MeV)

54-Xe-139

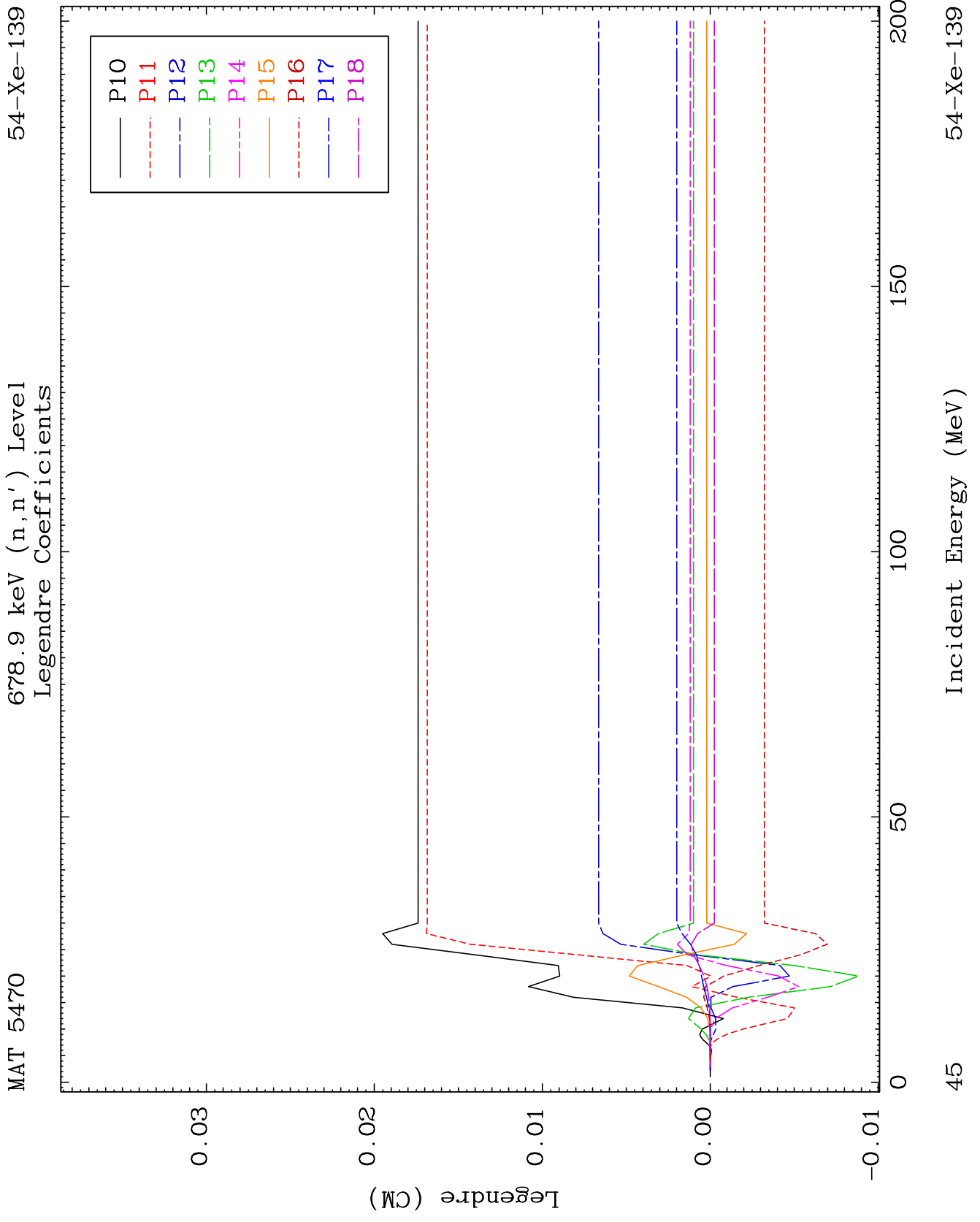
MAT 5470

678.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



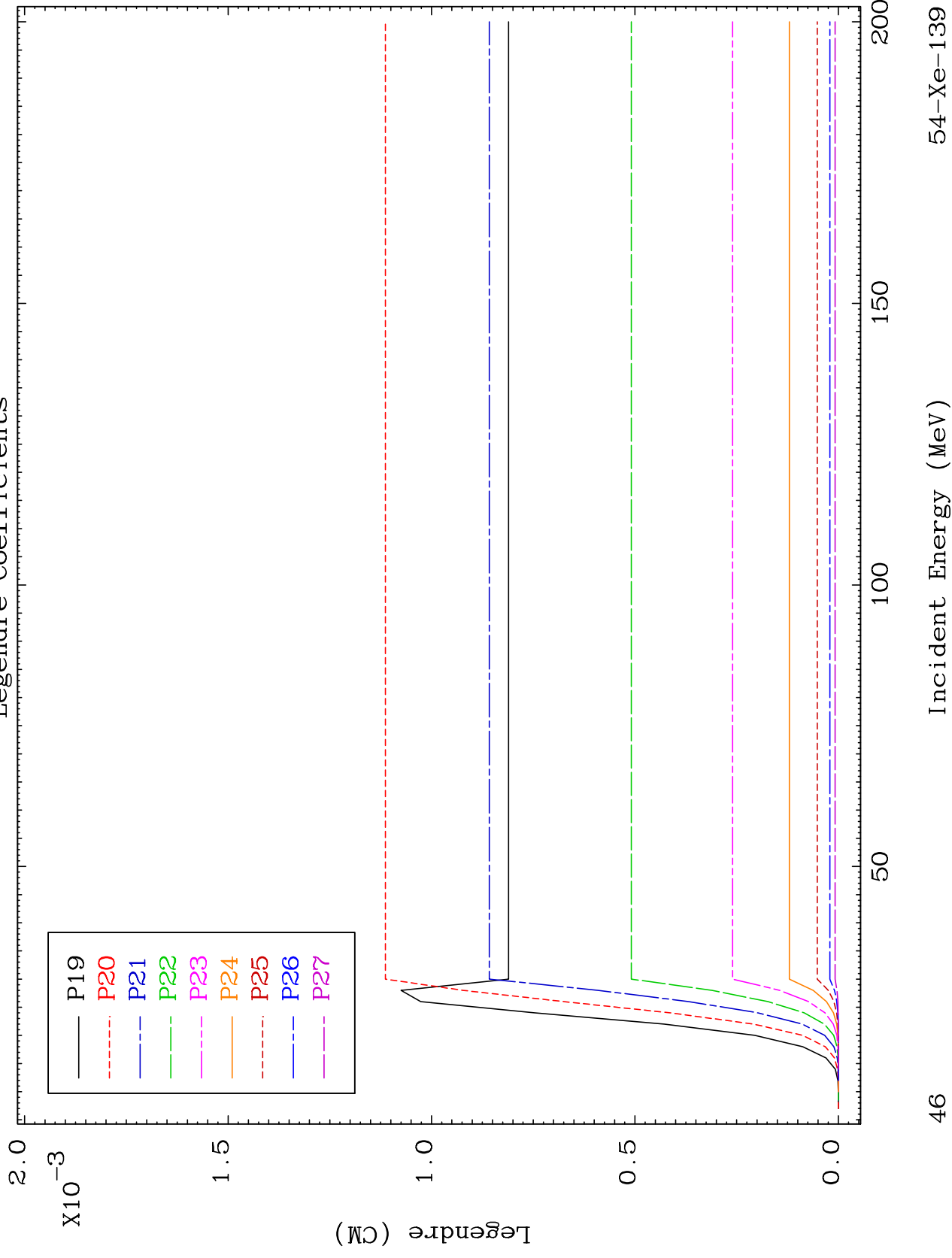
44



MAT 5470

678.9 keV (n, n') Level  
Legendre Coefficients

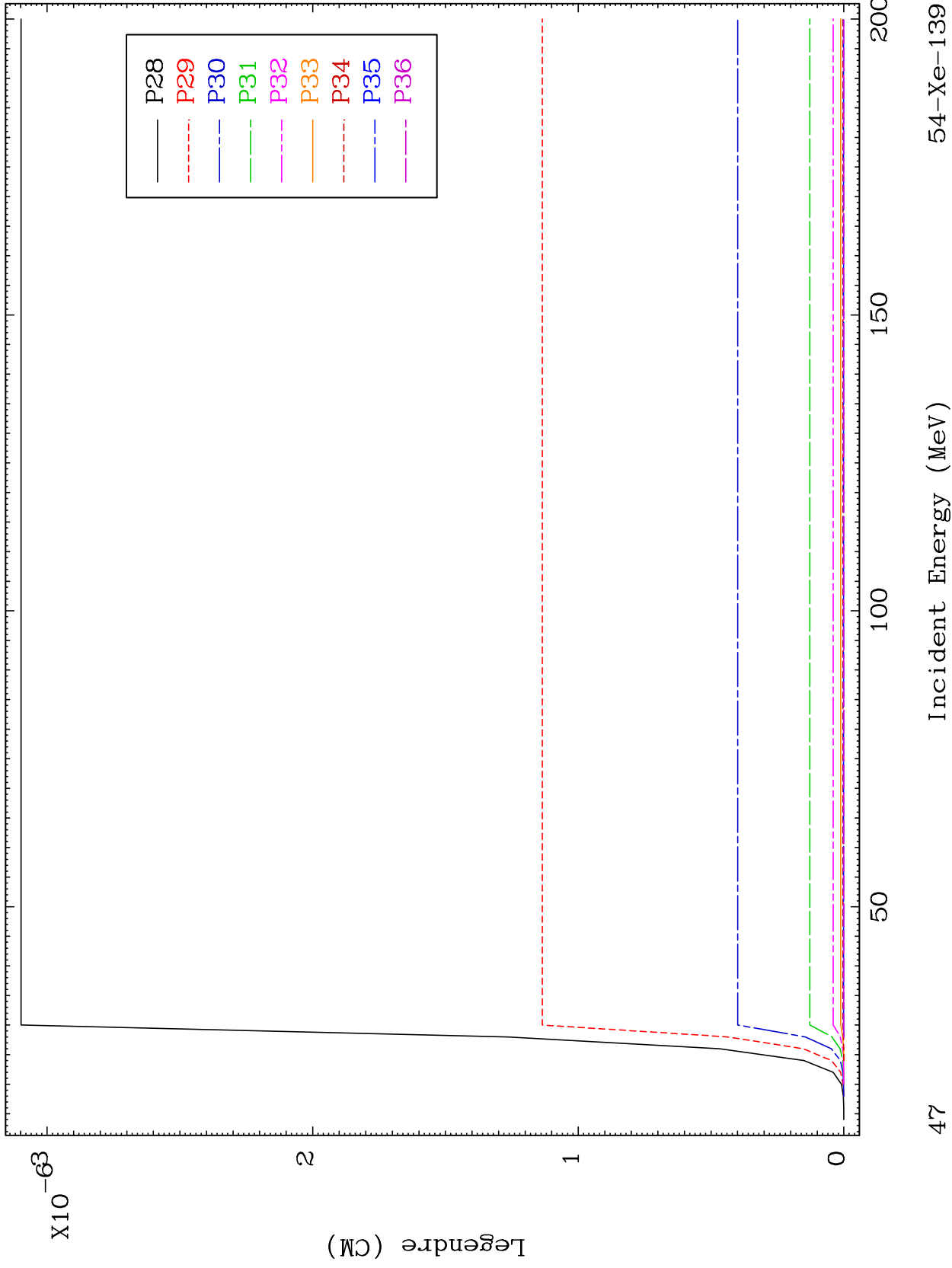
54-Xe-139



MAT 5470

678.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-139



47

Incident Energy (MeV)

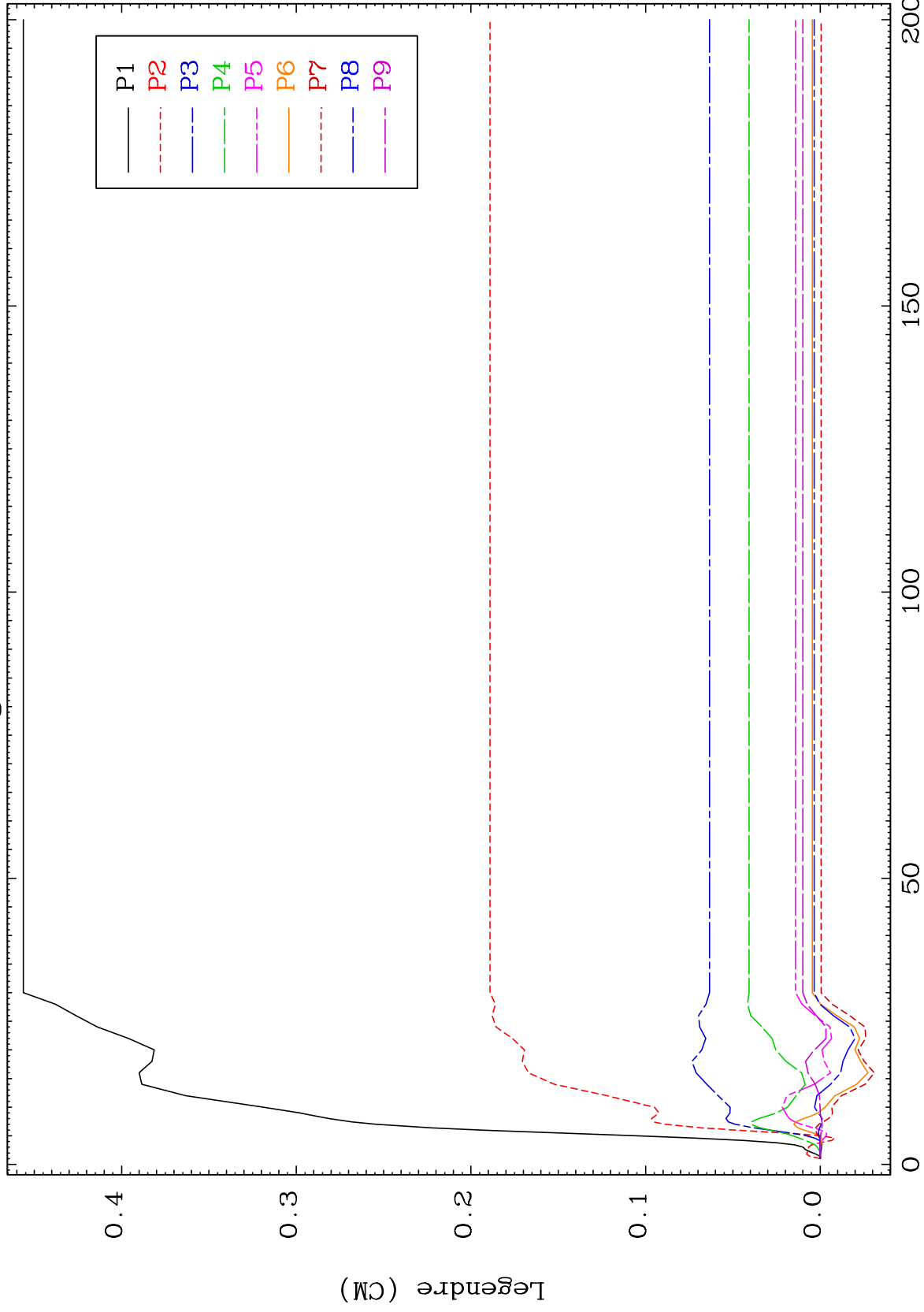
54-Xe-139



MAT 5470

1.008 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



48

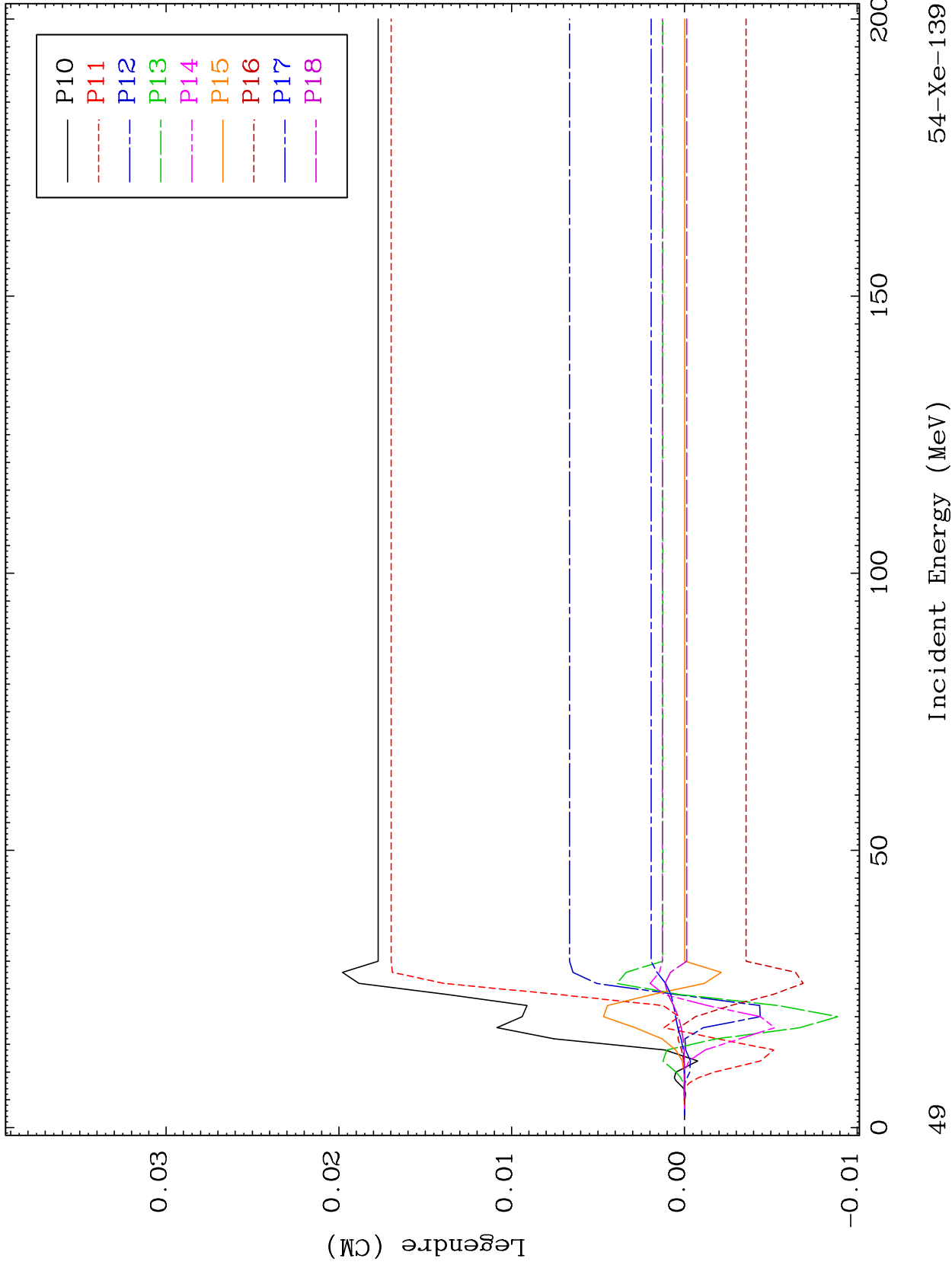
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.008 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



54-Xe-139

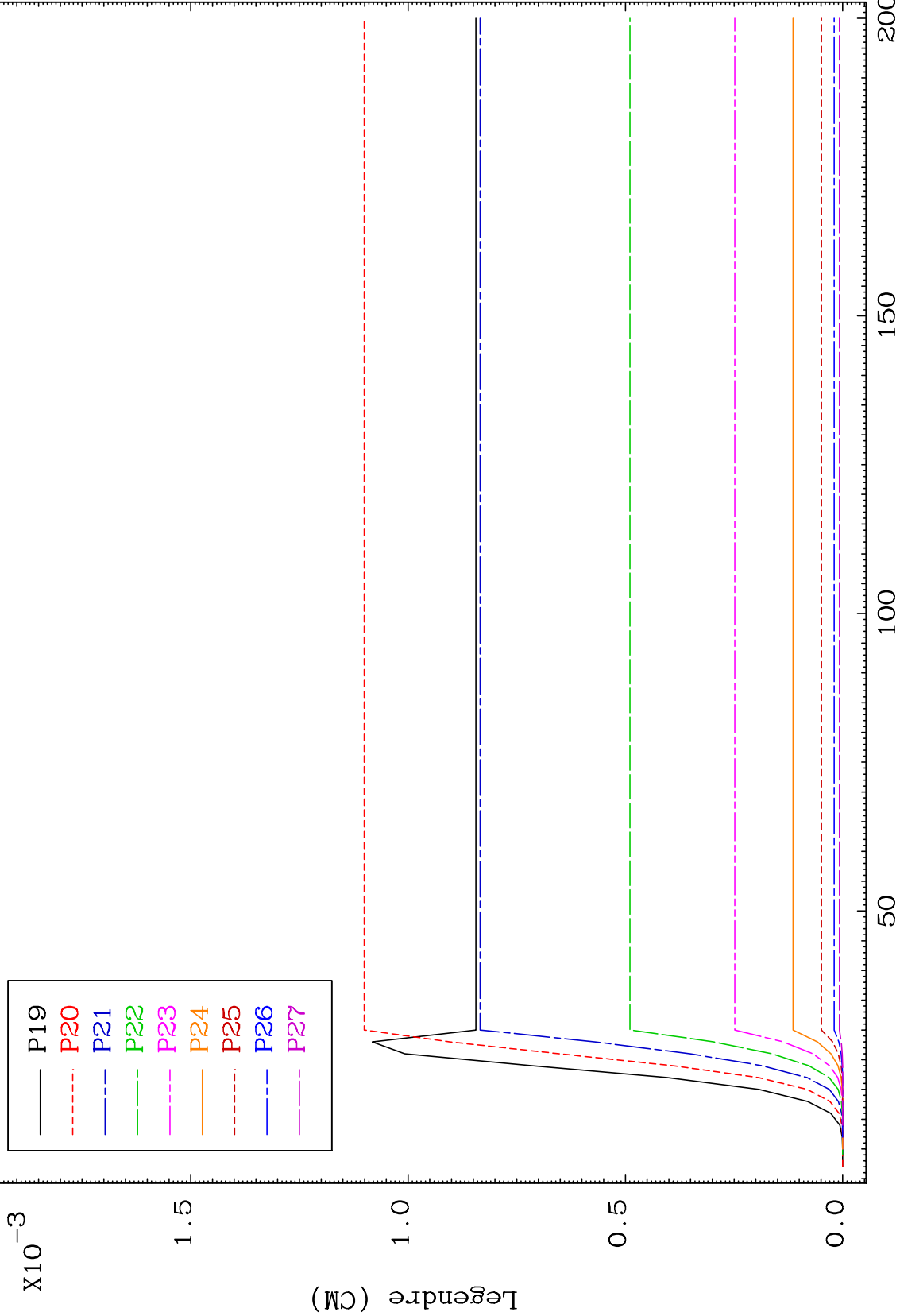
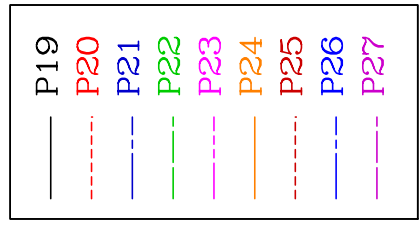
Incident Energy (MeV)

49

MAT 5470

1.008 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



50

50

100

150

200

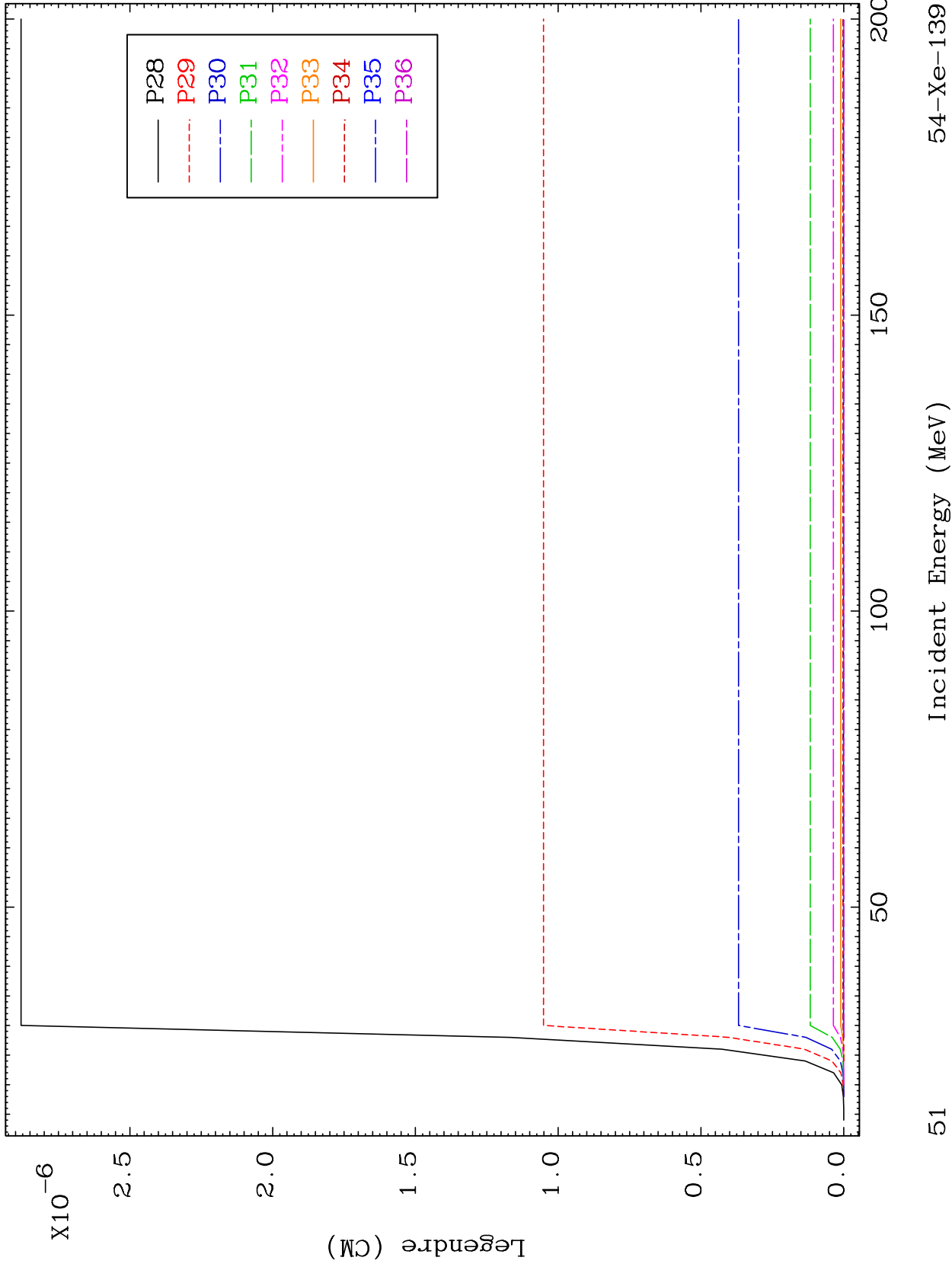
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.008 MeV (n,n') Level  
Legendre Coefficients

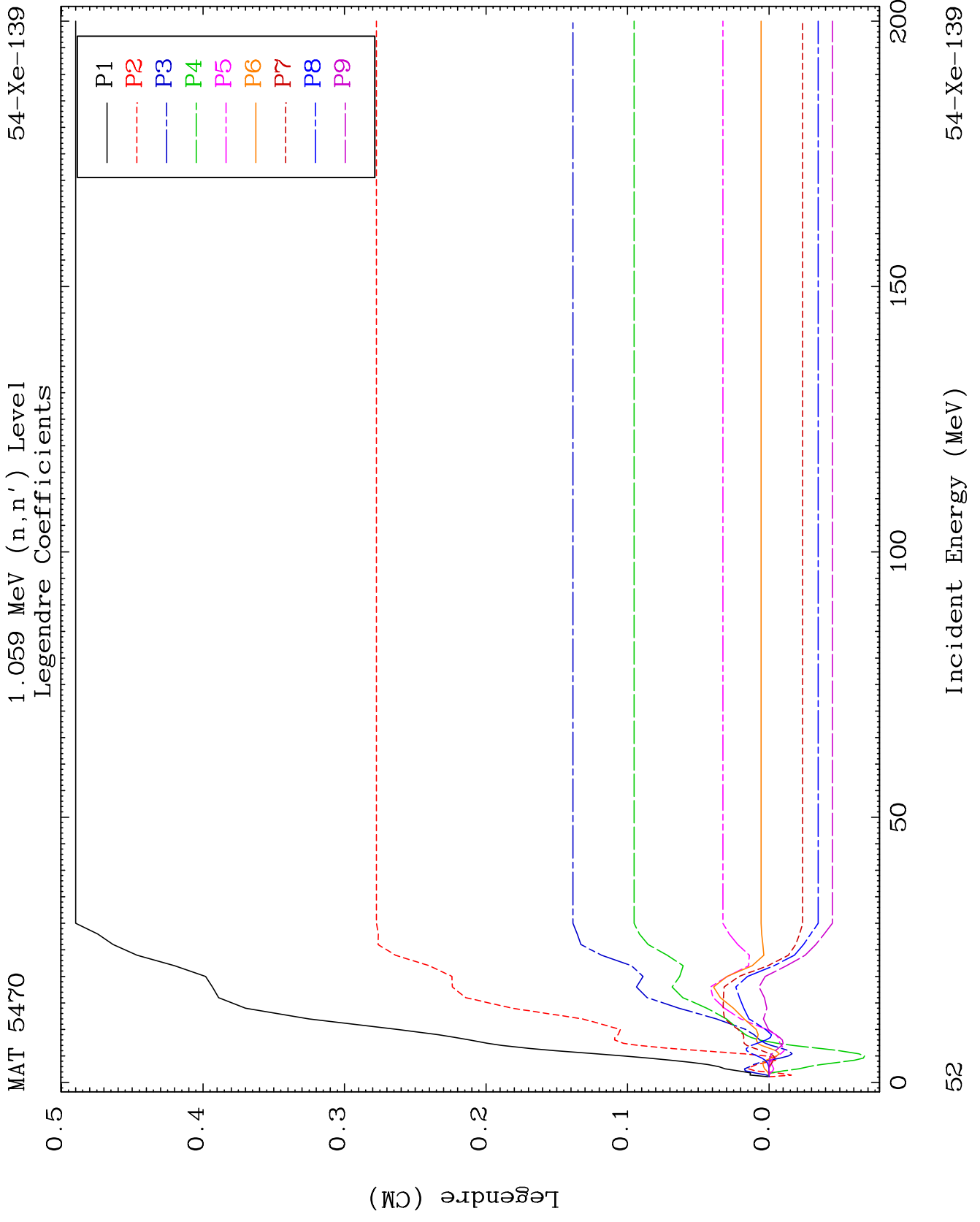
54-Xe-139



51

Incident Energy (MeV)

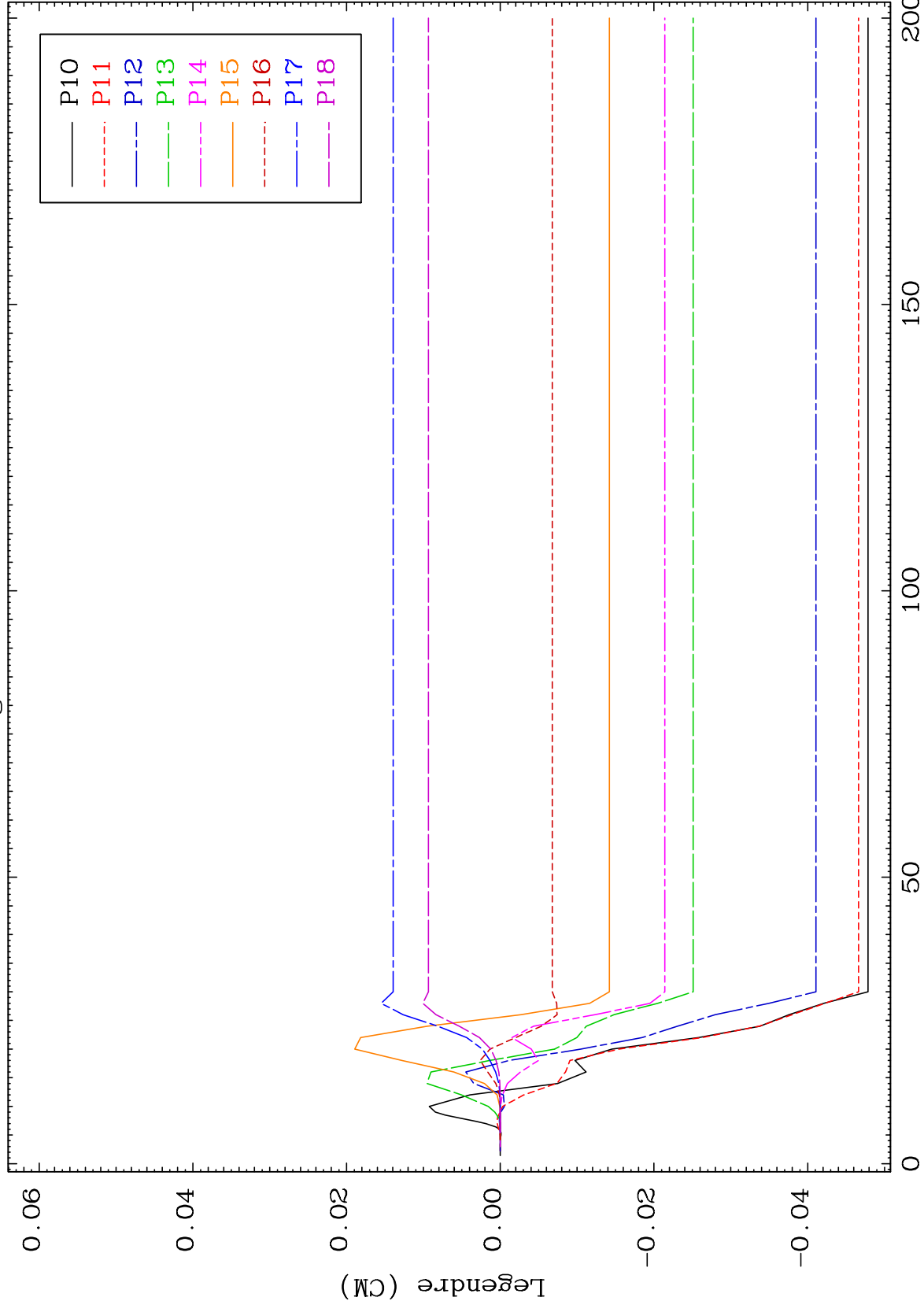
54-Xe-139



MAT 5470

1.059 MeV (n,n') Level  
Legendre Coefficients

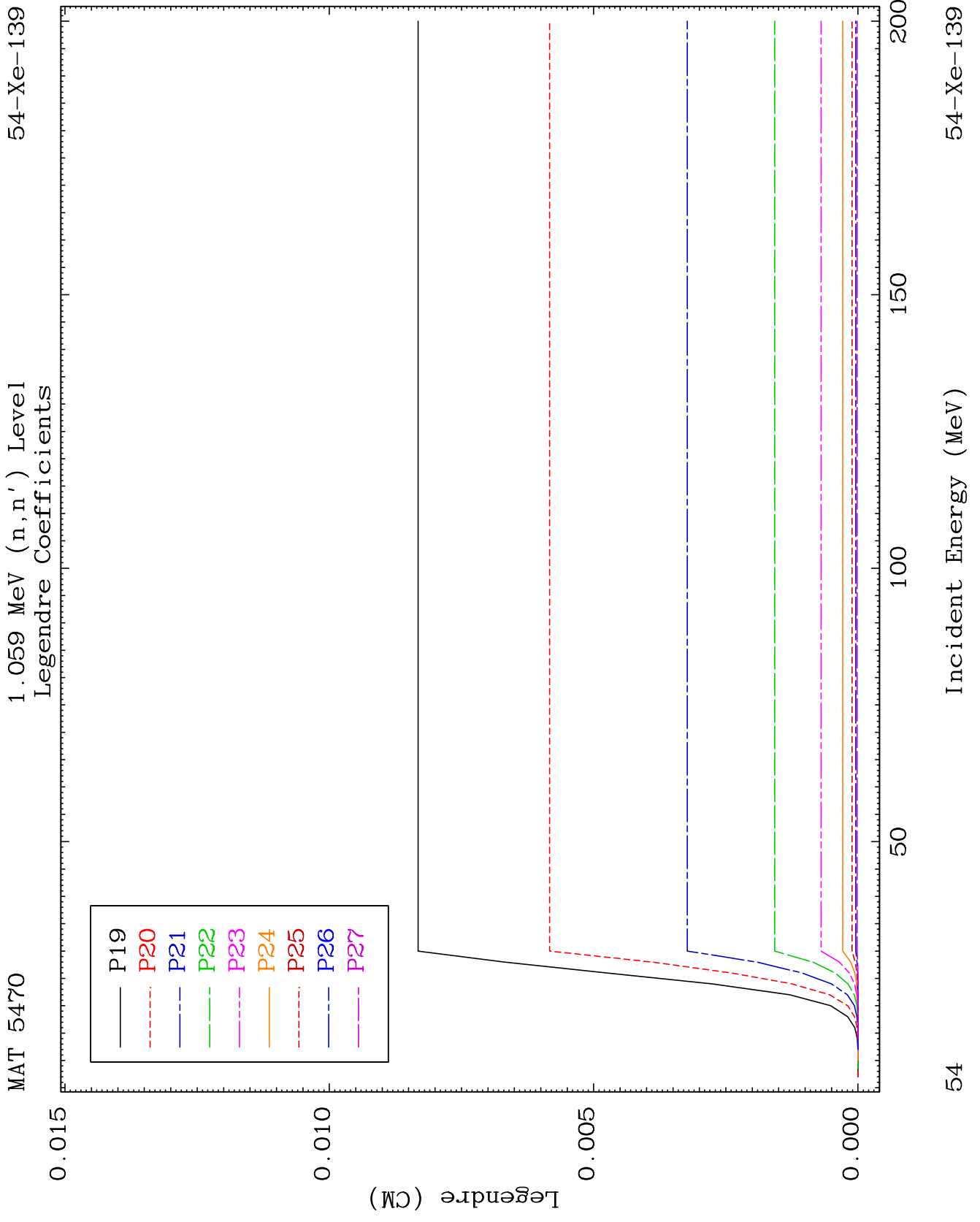
54-Xe-139



53

Incident Energy (MeV)

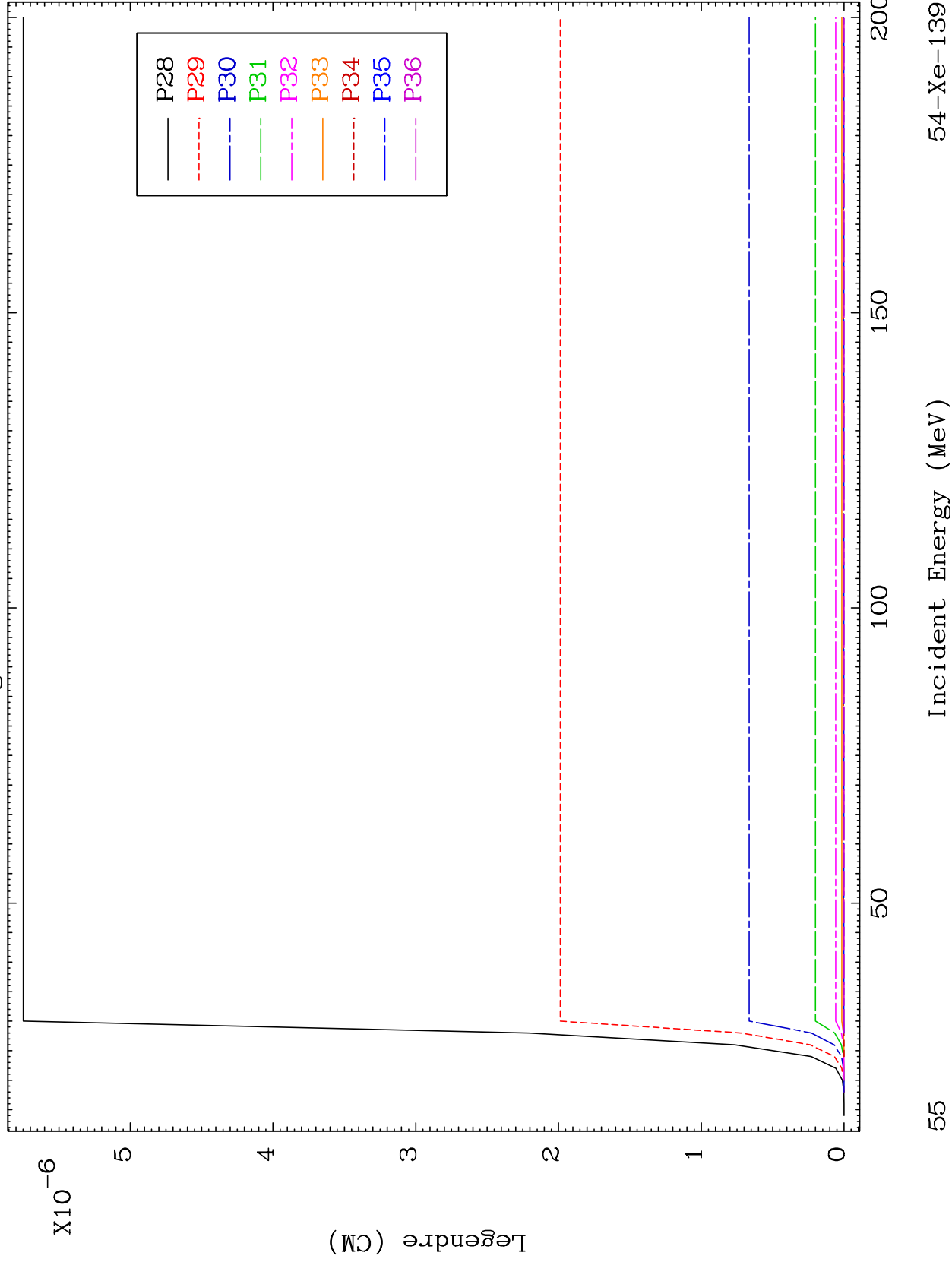
54-Xe-139



MAT 5470

1.059 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



55

Incident Energy (MeV)

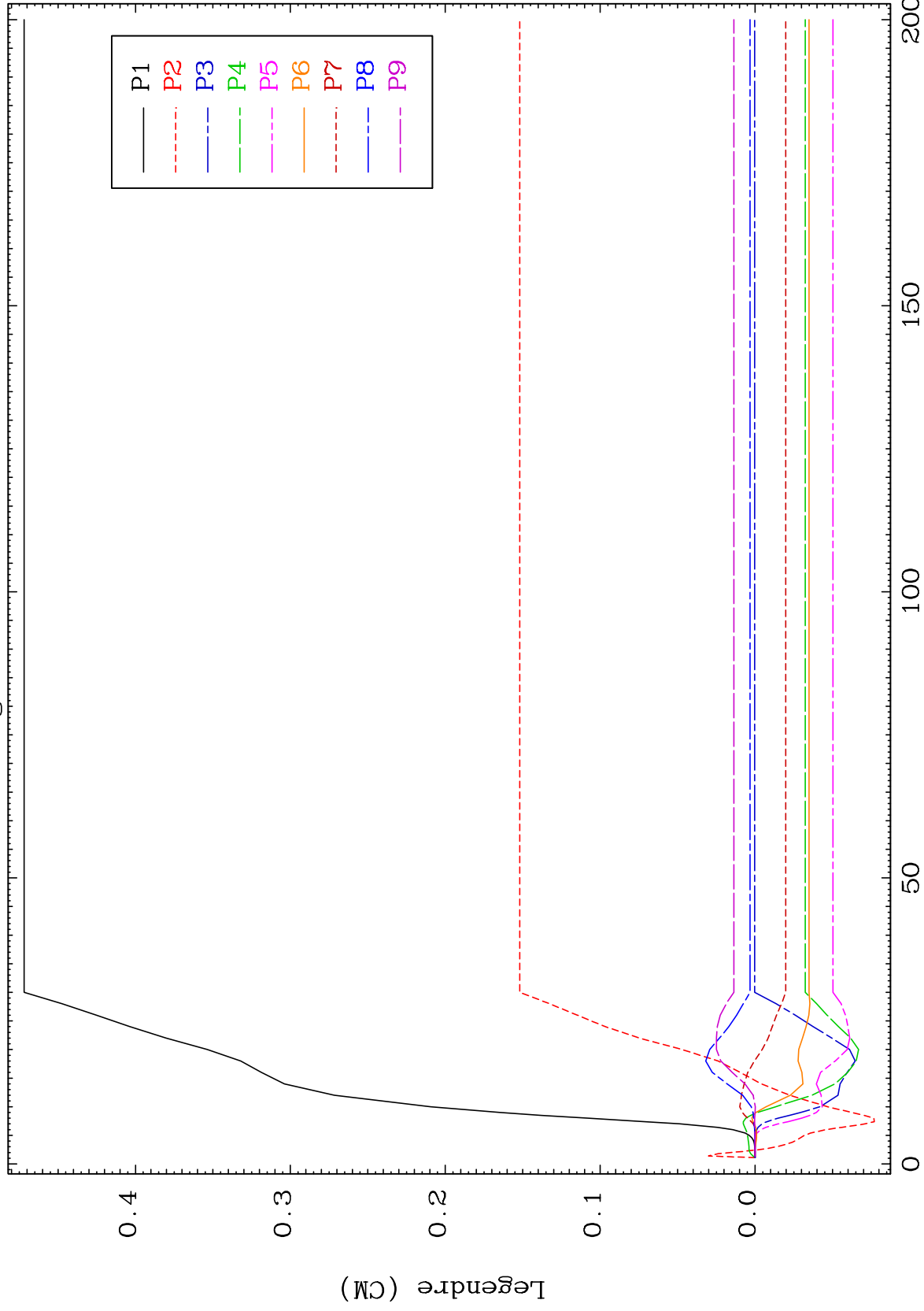
54-Xe-139



MAT 5470

1.086 MeV (n,n') Level  
Legendre Coefficients

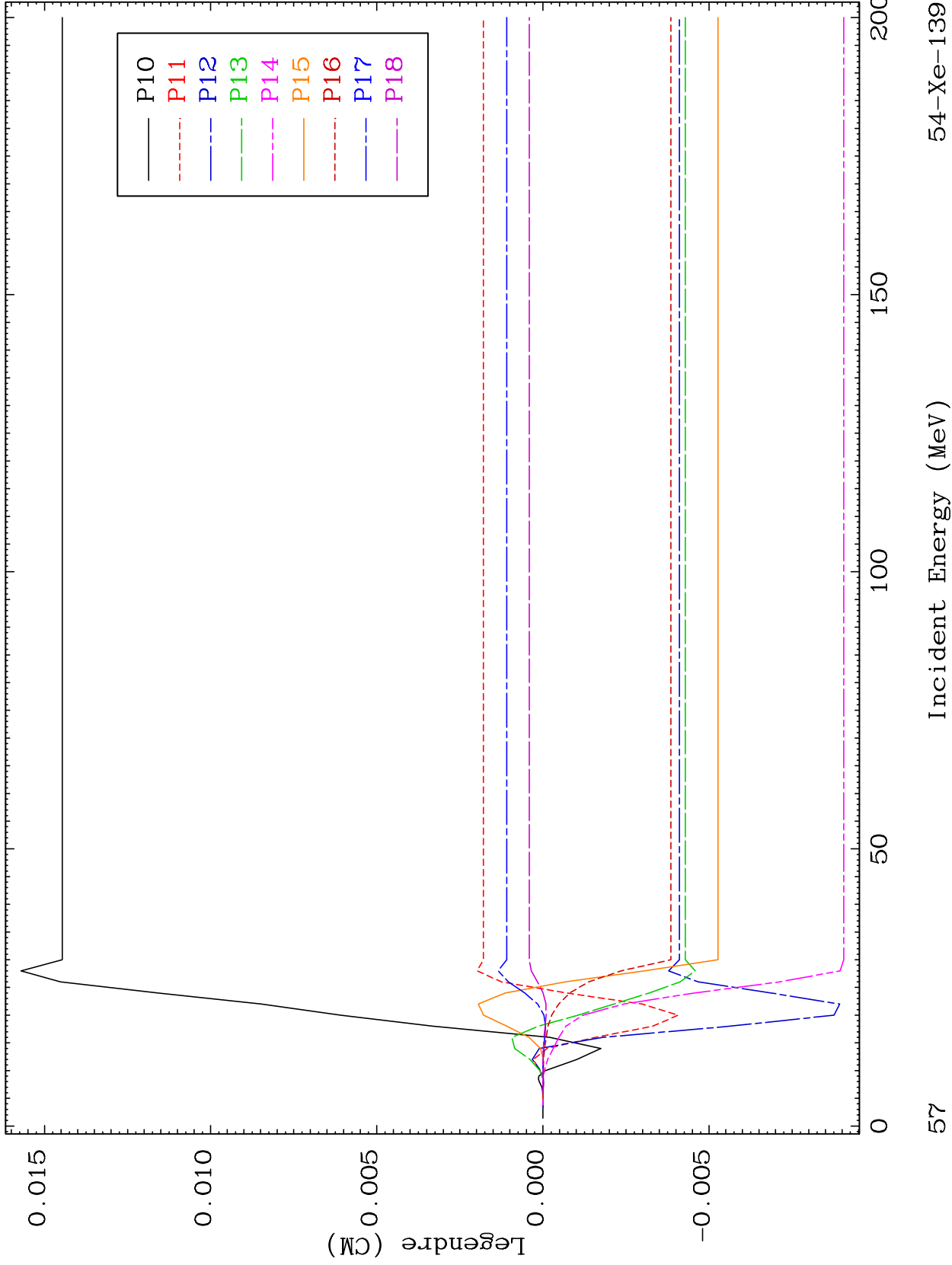
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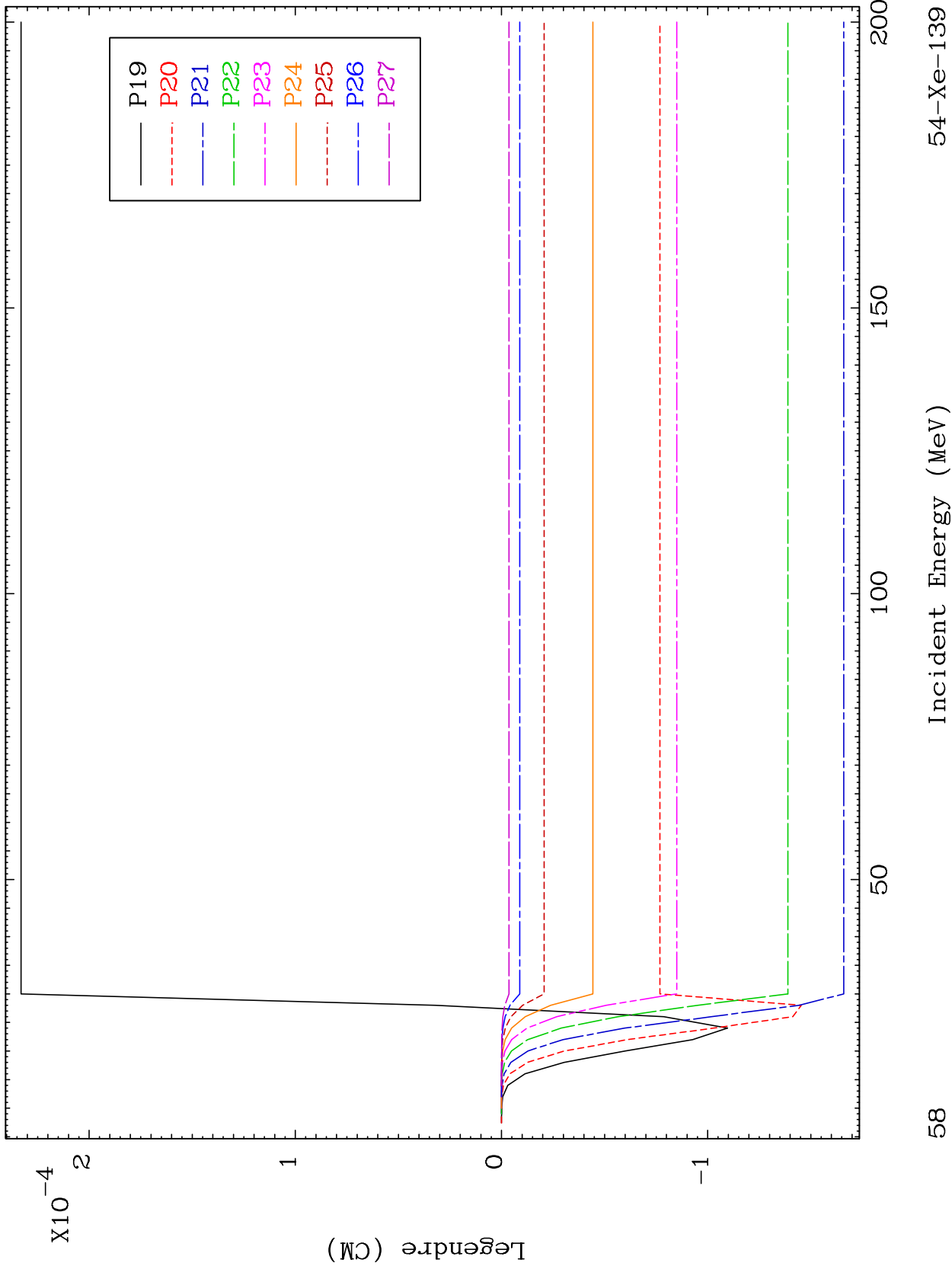


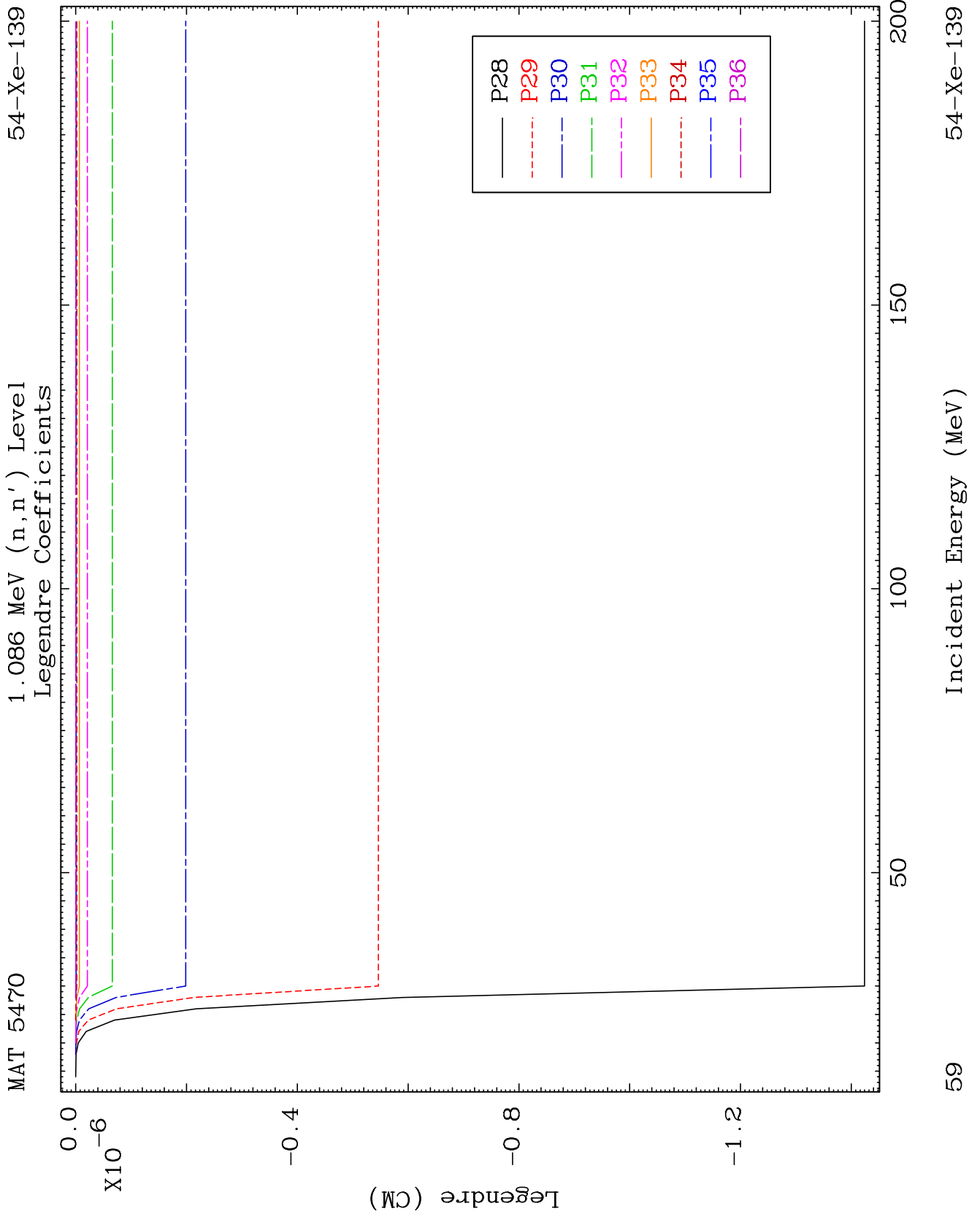
56

Incident Energy (MeV)

54-Xe-139



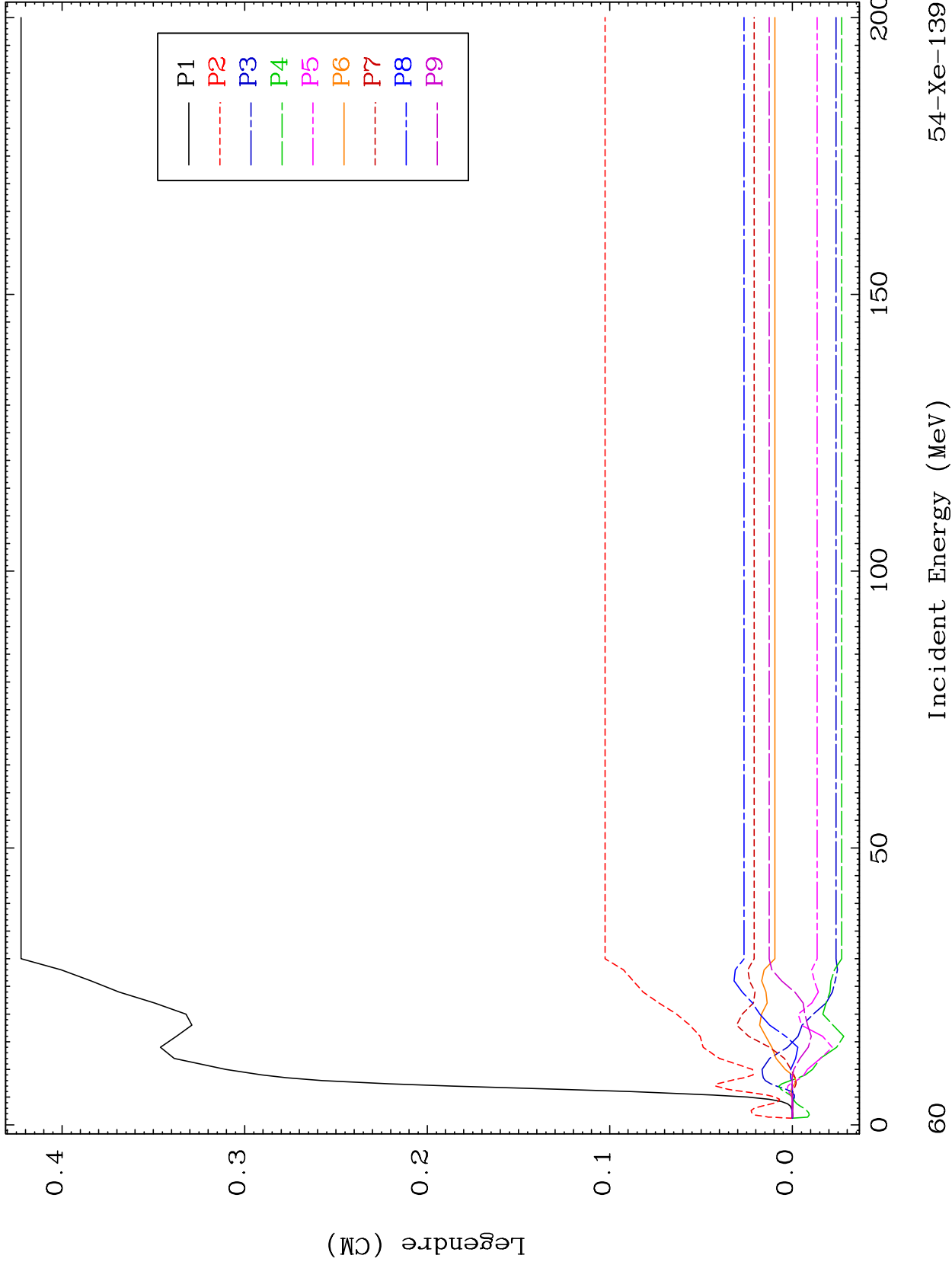




MAT 5470

1.180 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139

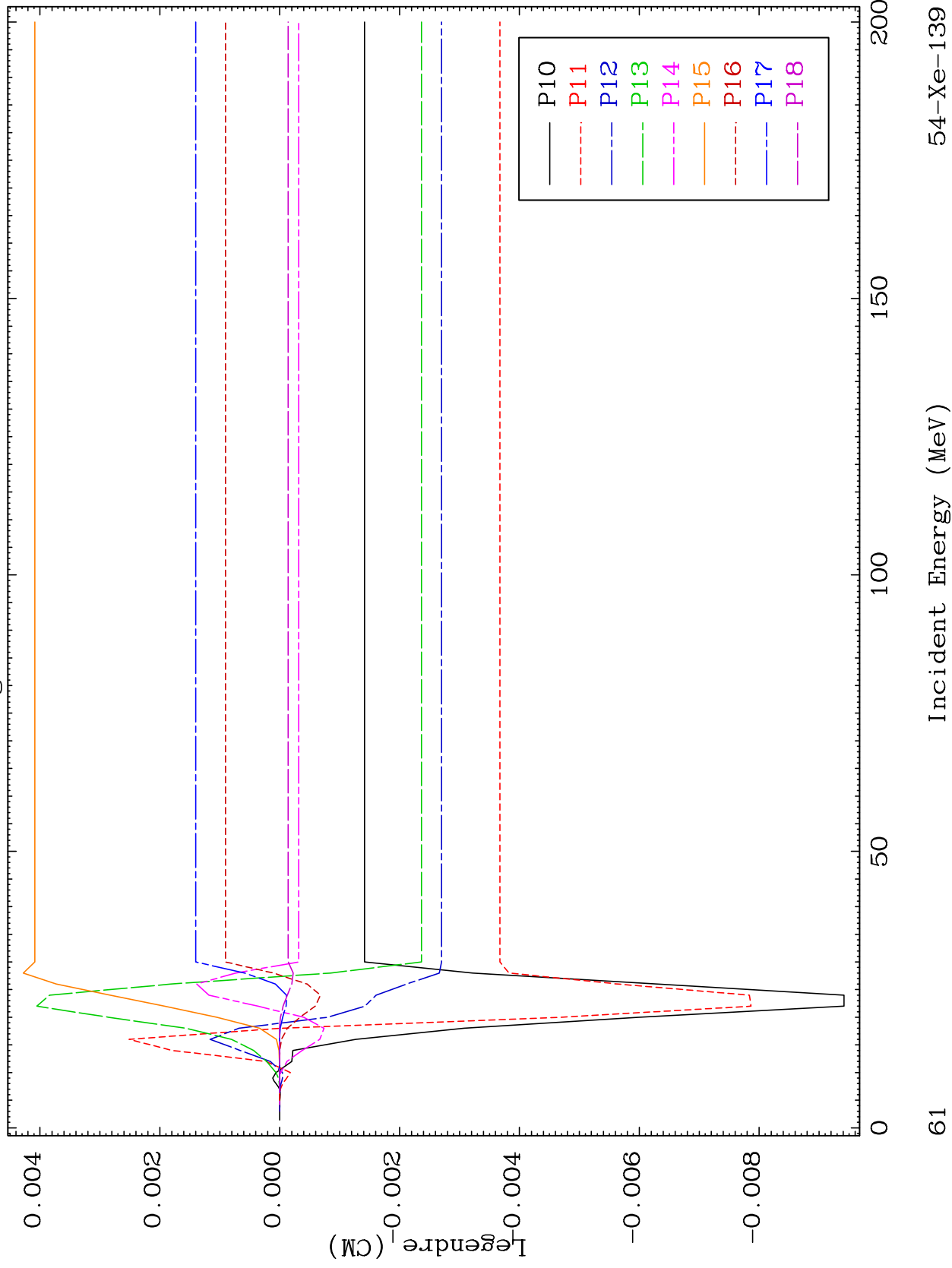


54-Xe-139

MAT 5470

1.180 MeV (n,n') Level  
Legendre Coefficients

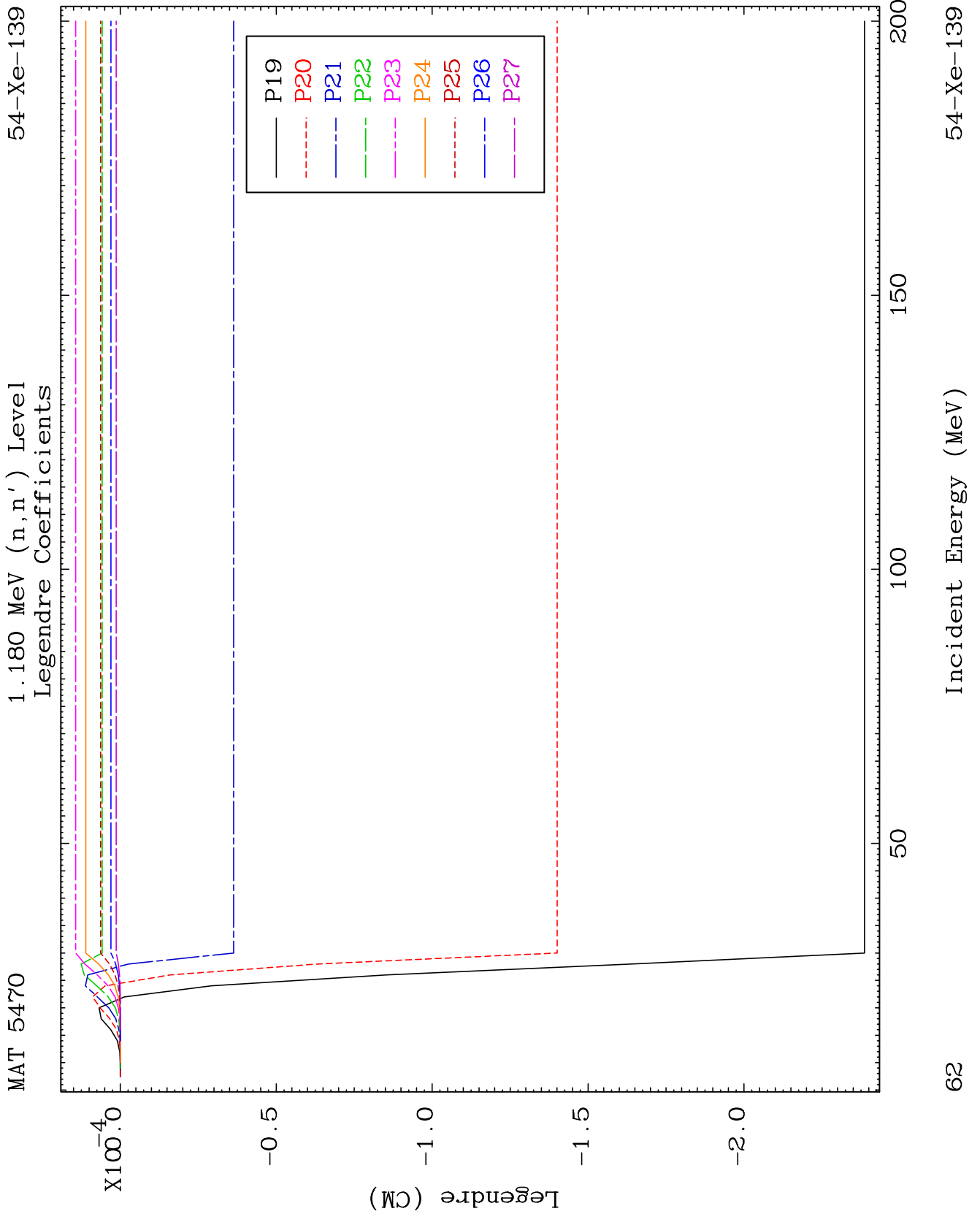
54-Xe-139



61

Incident Energy (MeV)

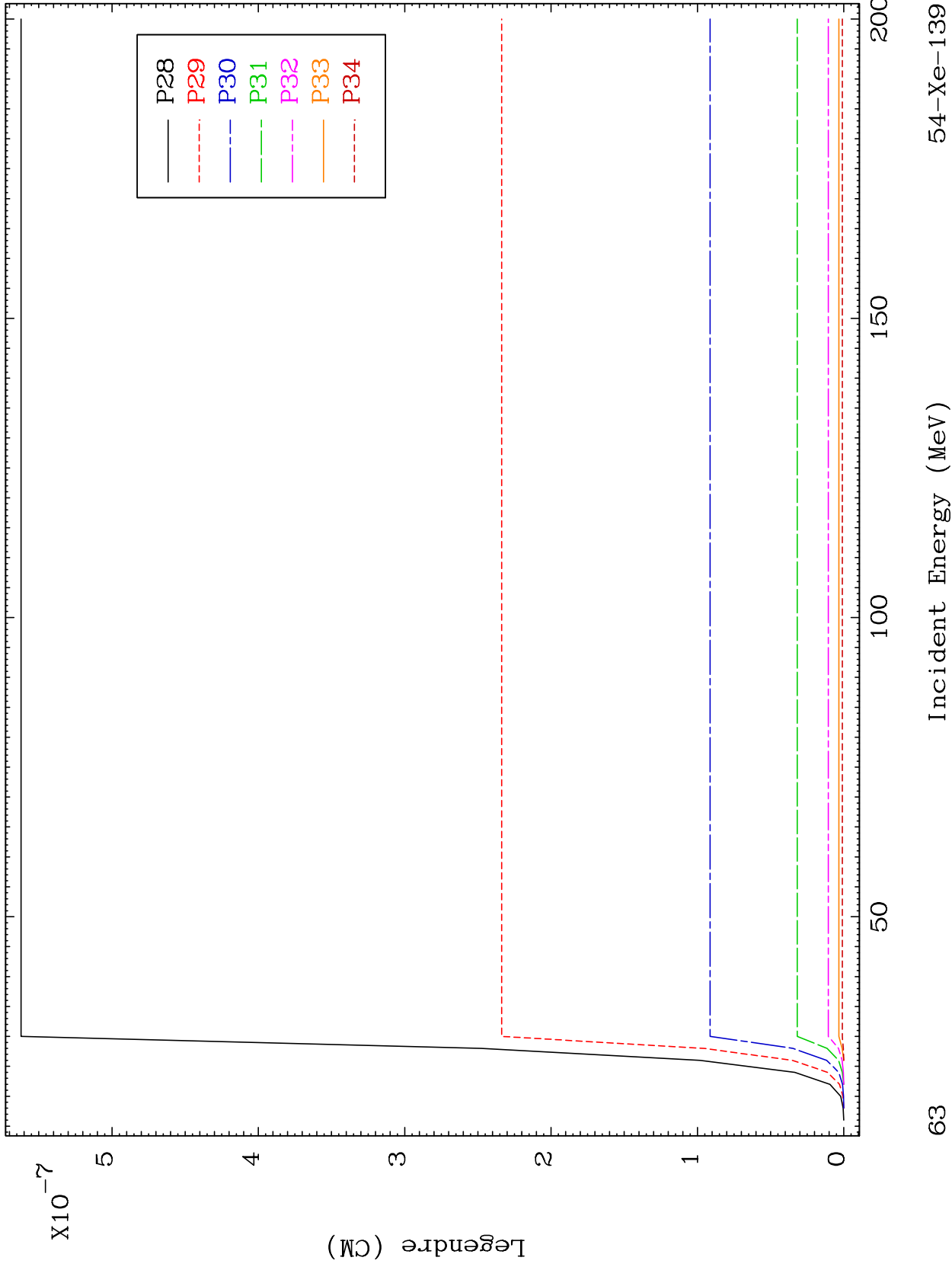
54-Xe-139



MAT 5470

1.180 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139

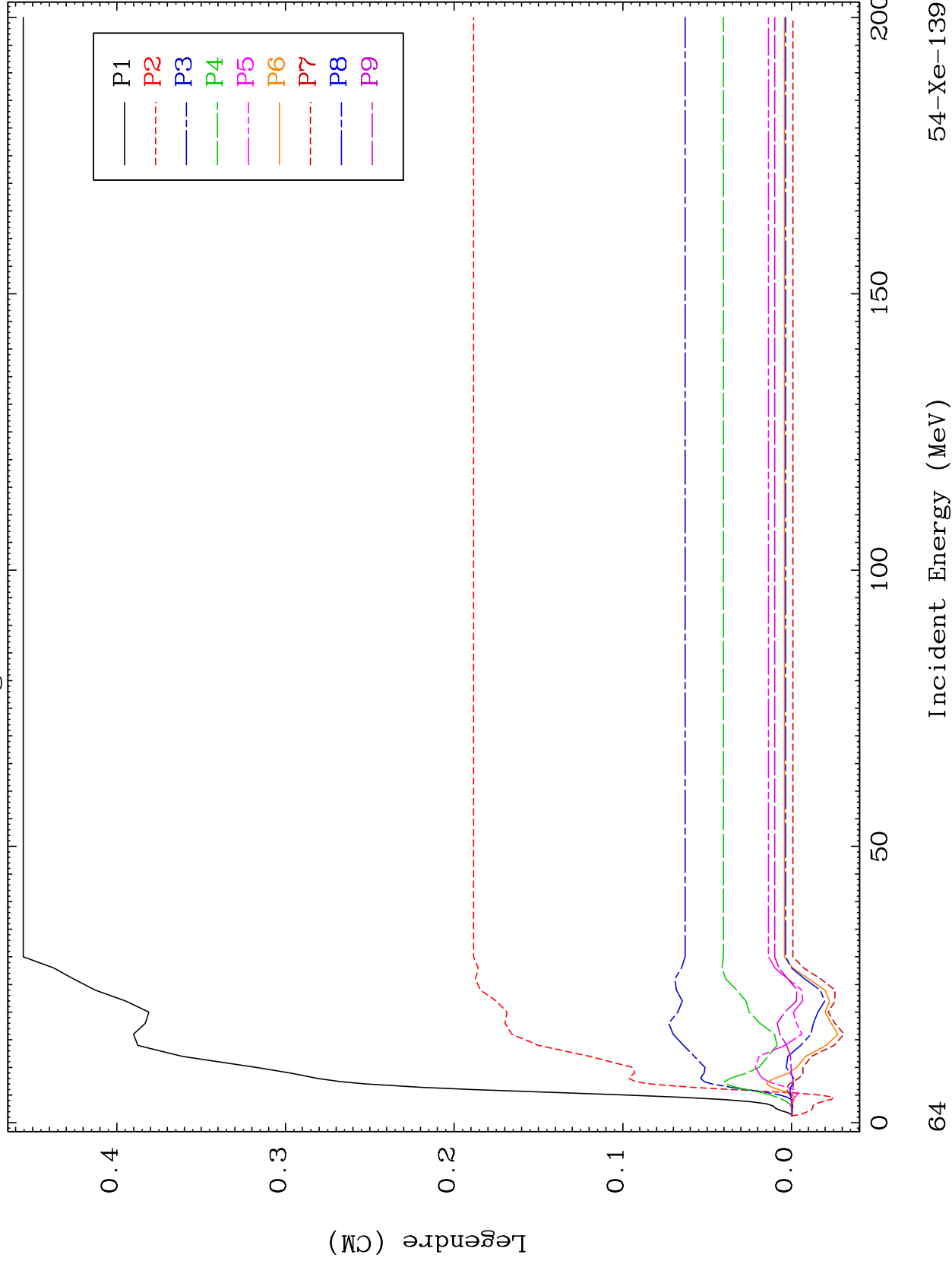




MAT 5470

1.193 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



54-Xe-139

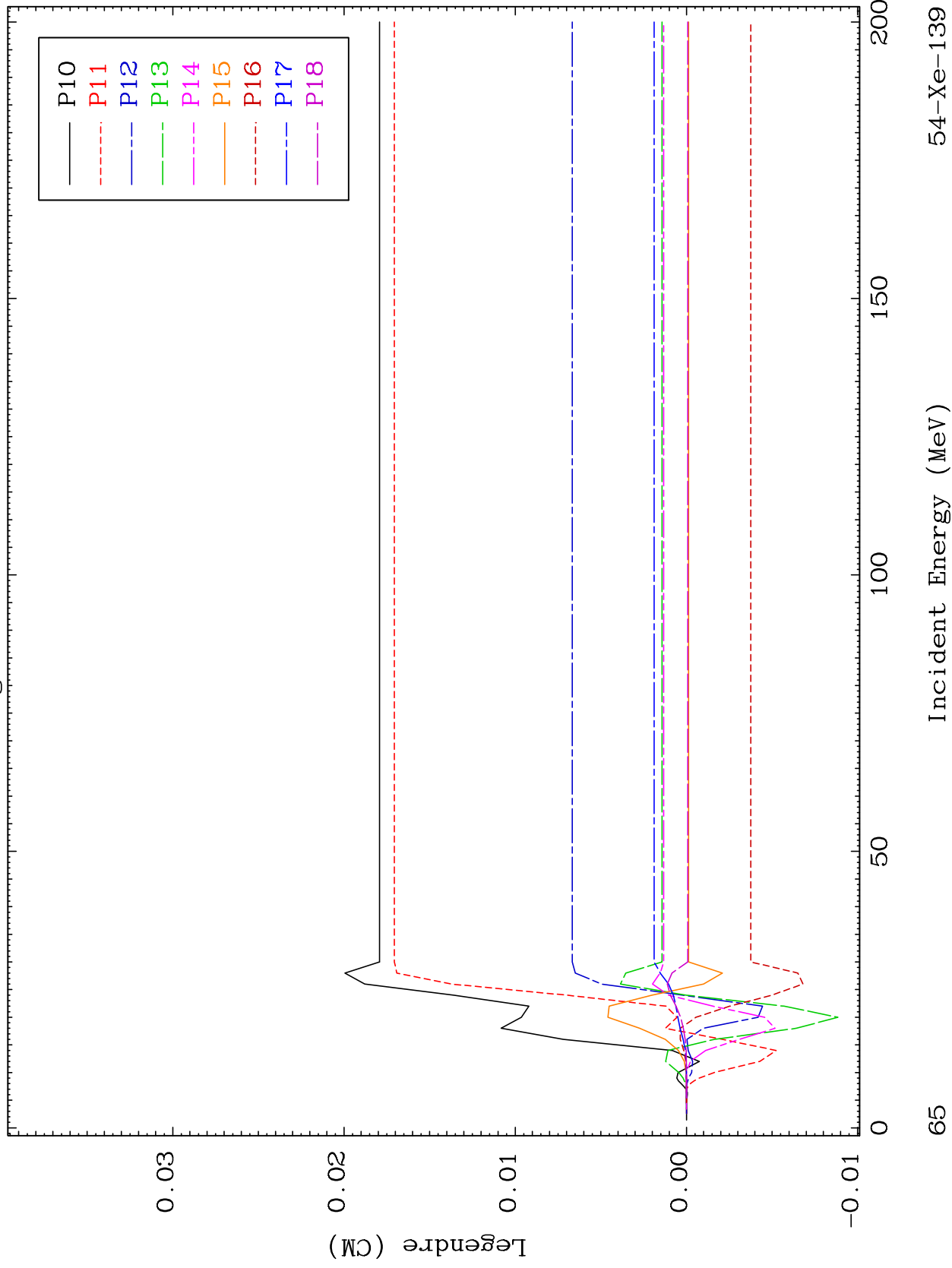
Incident Energy (MeV)

64

MAT 5470

1.193 MeV (n,n') Level  
Legendre Coefficients

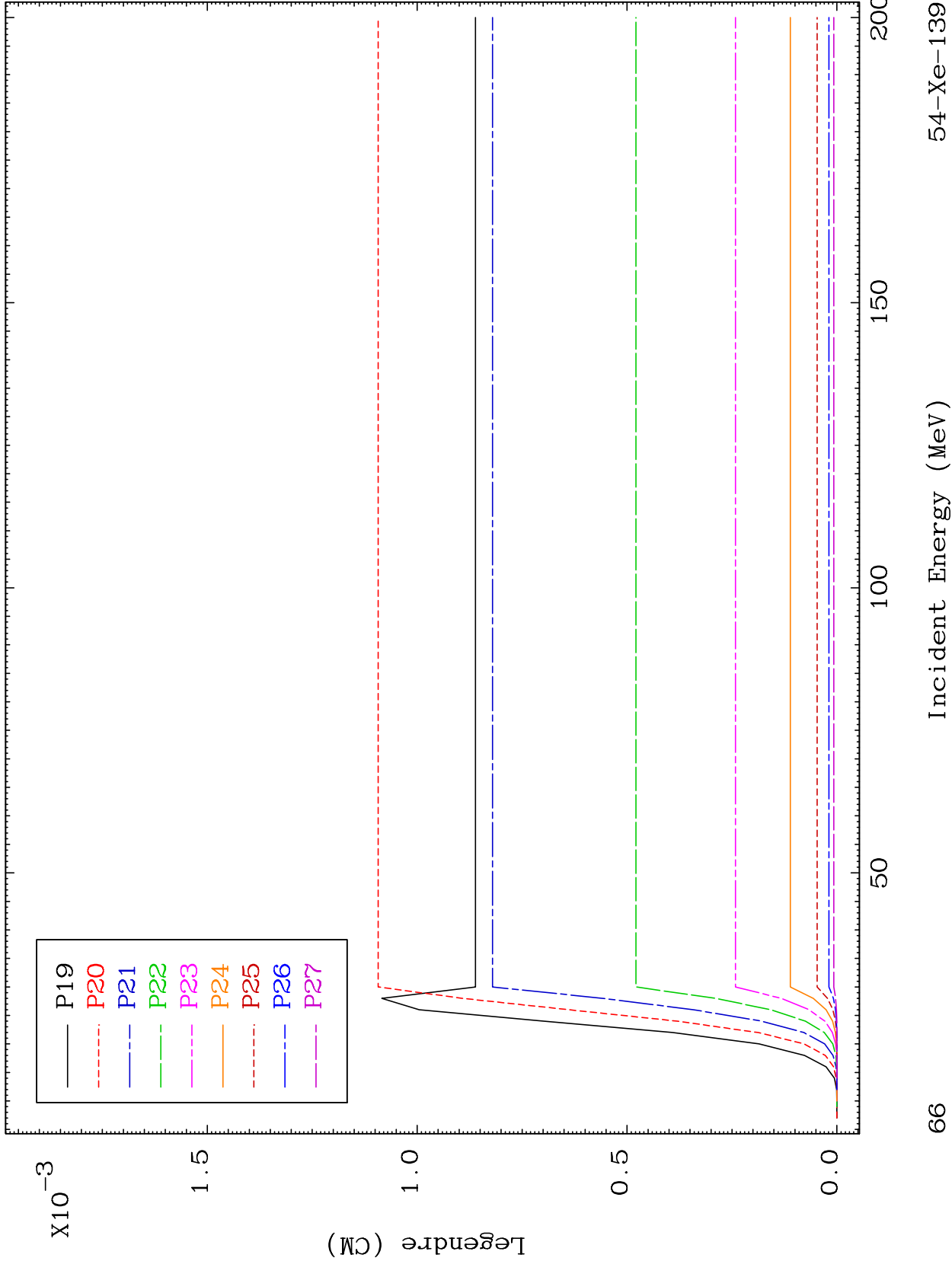
54-Xe-139



54-Xe-139

Incident Energy (MeV)

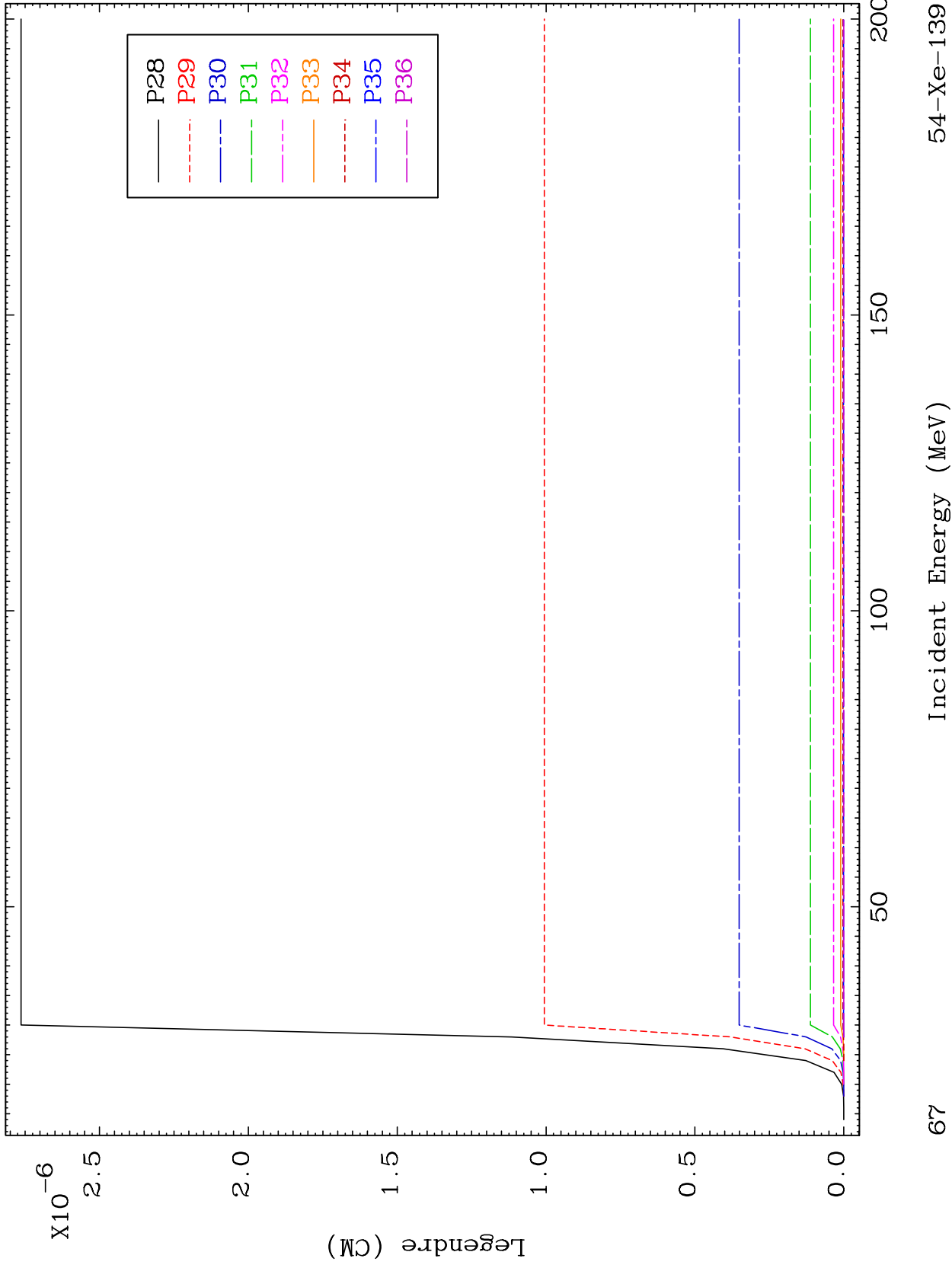
65



MAT 5470

1.193 MeV (n,n') Level  
Legendre Coefficients

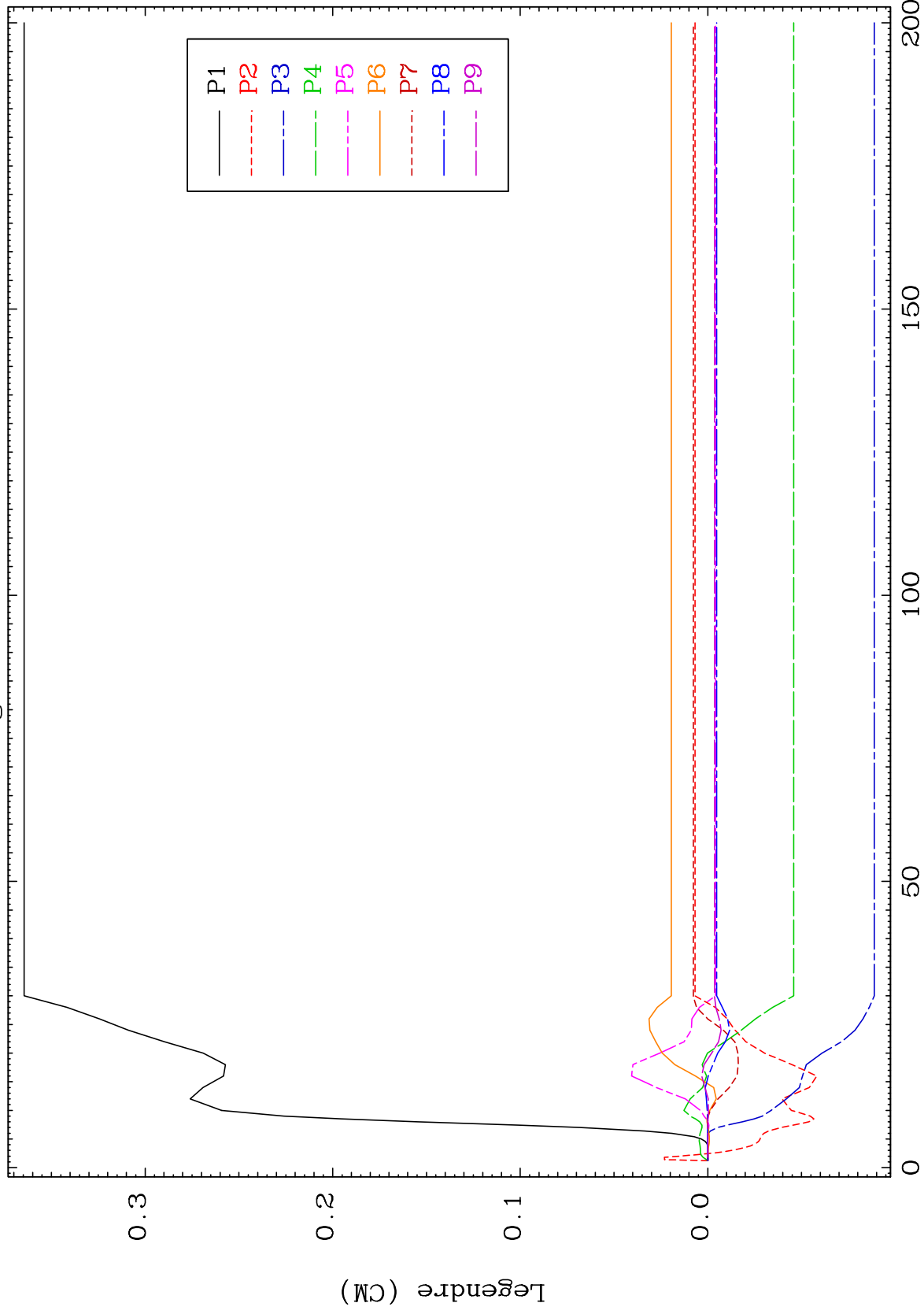
54-Xe-139



MAT 5470

1.195 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



68

Incident Energy (MeV)

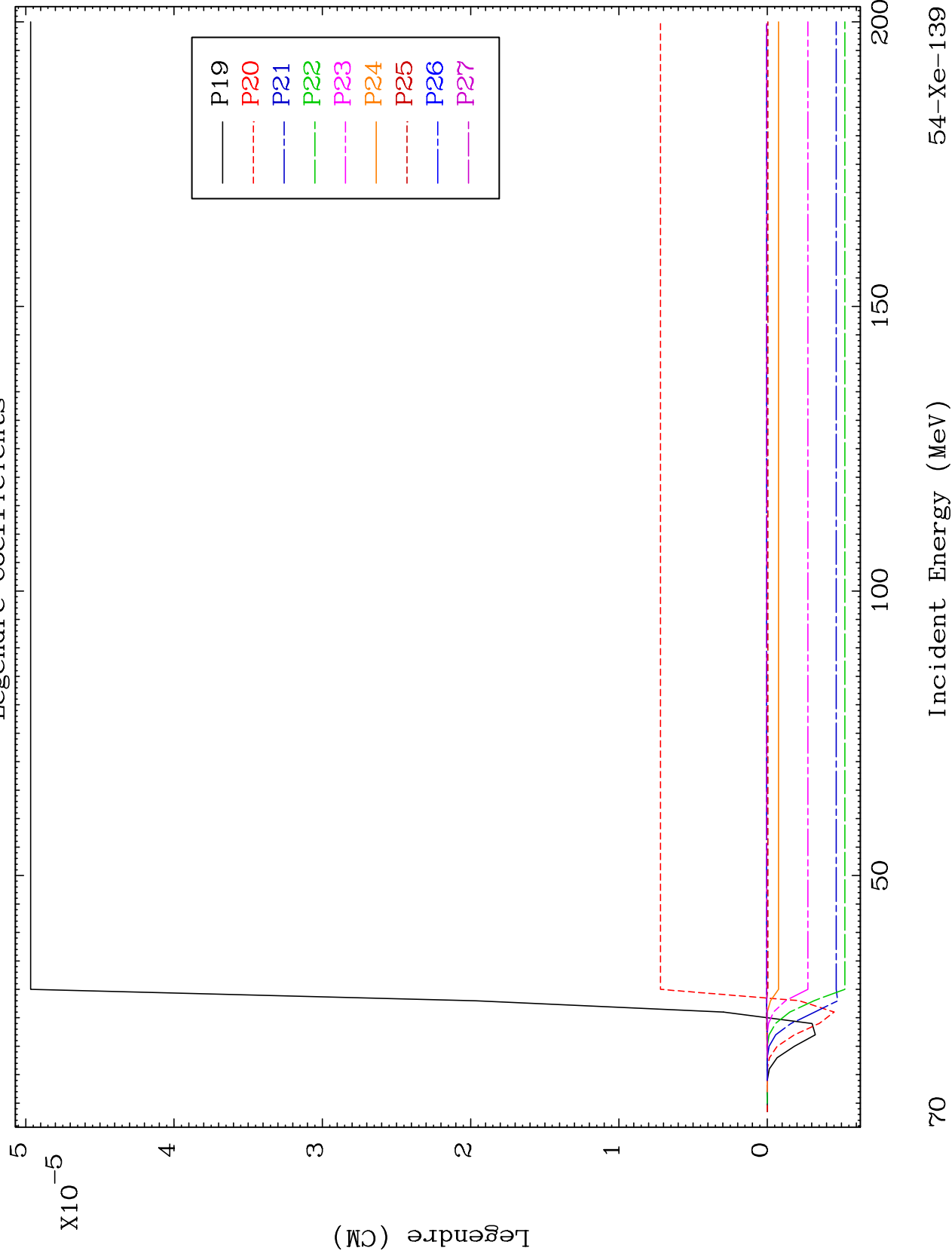
54-Xe-139



MAT 5470

1.195 MeV (n,n') Level  
Legendre Coefficients

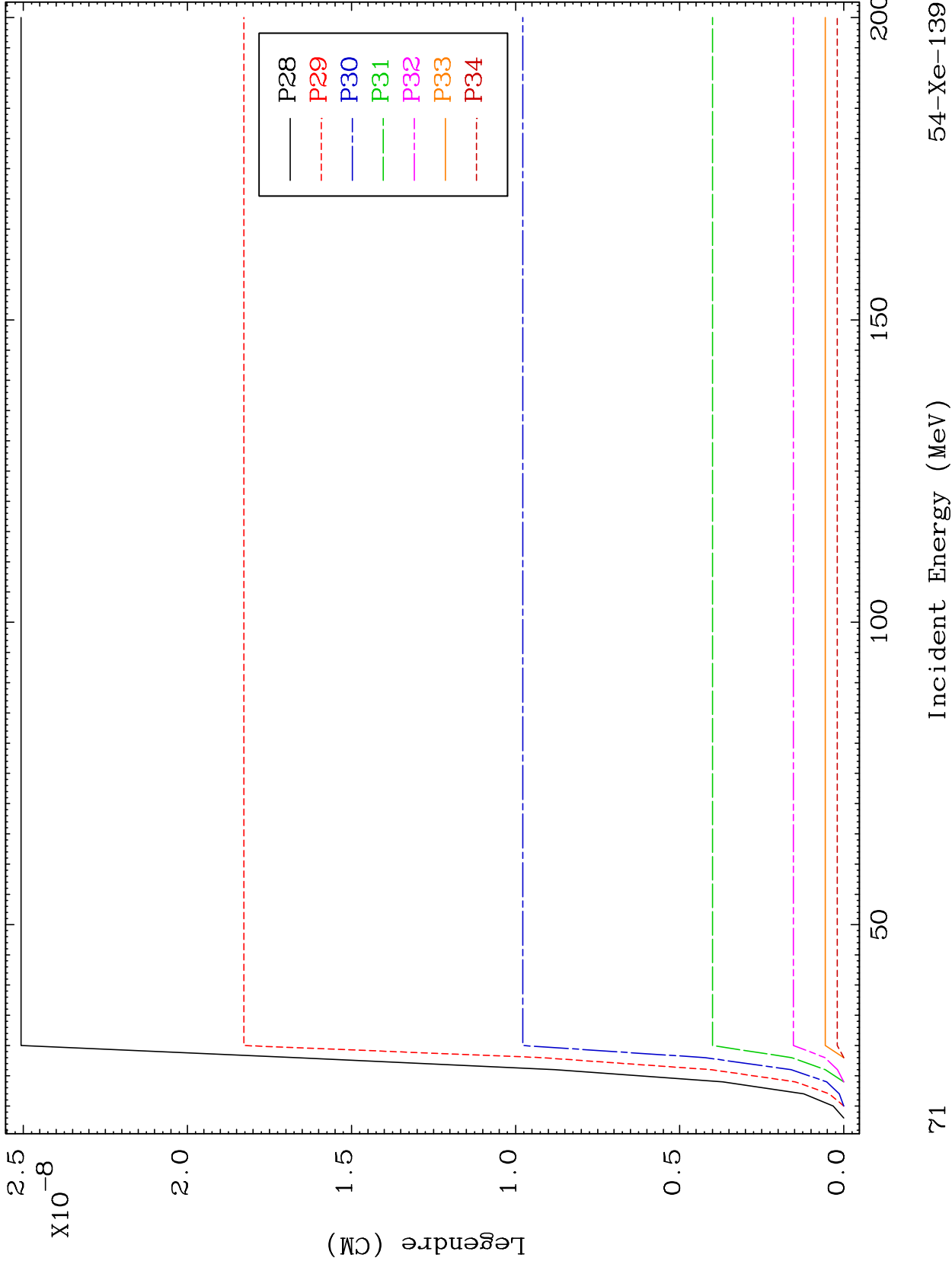
54-Xe-139



70

Incident Energy (MeV)

54-Xe-139

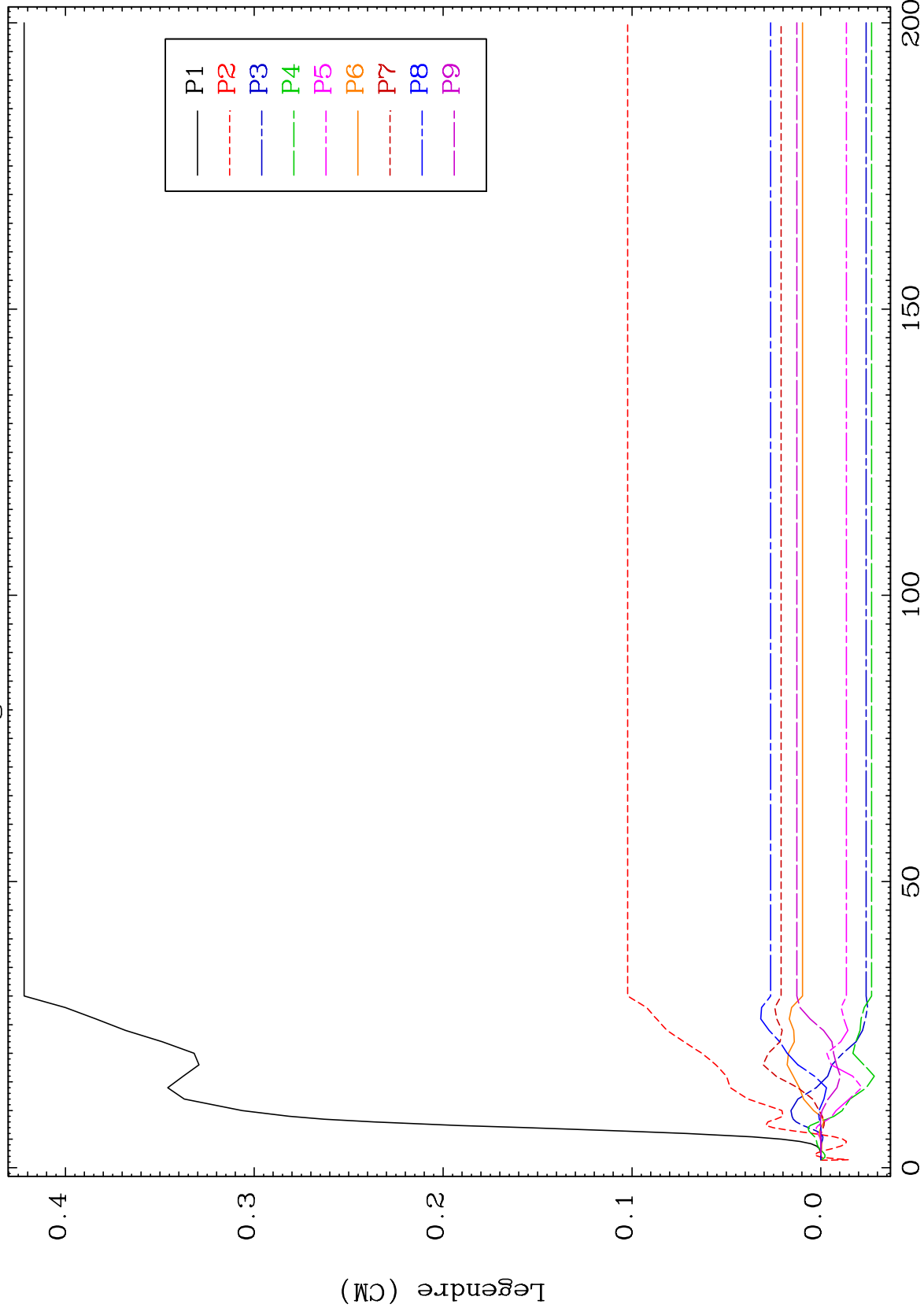




MAT 5470

1.313 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



72

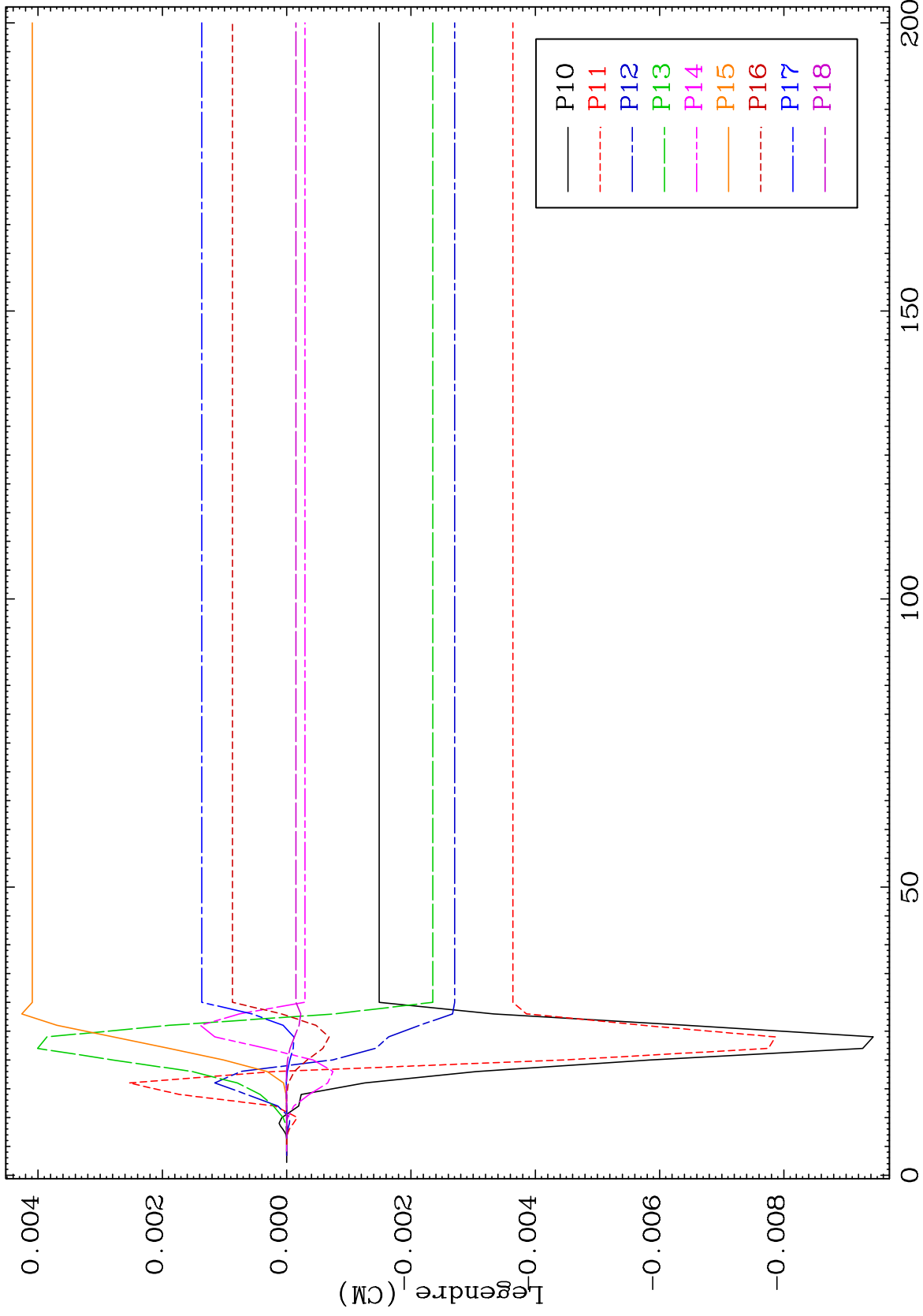
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.313 MeV (n,n') Level  
Legendre Coefficients

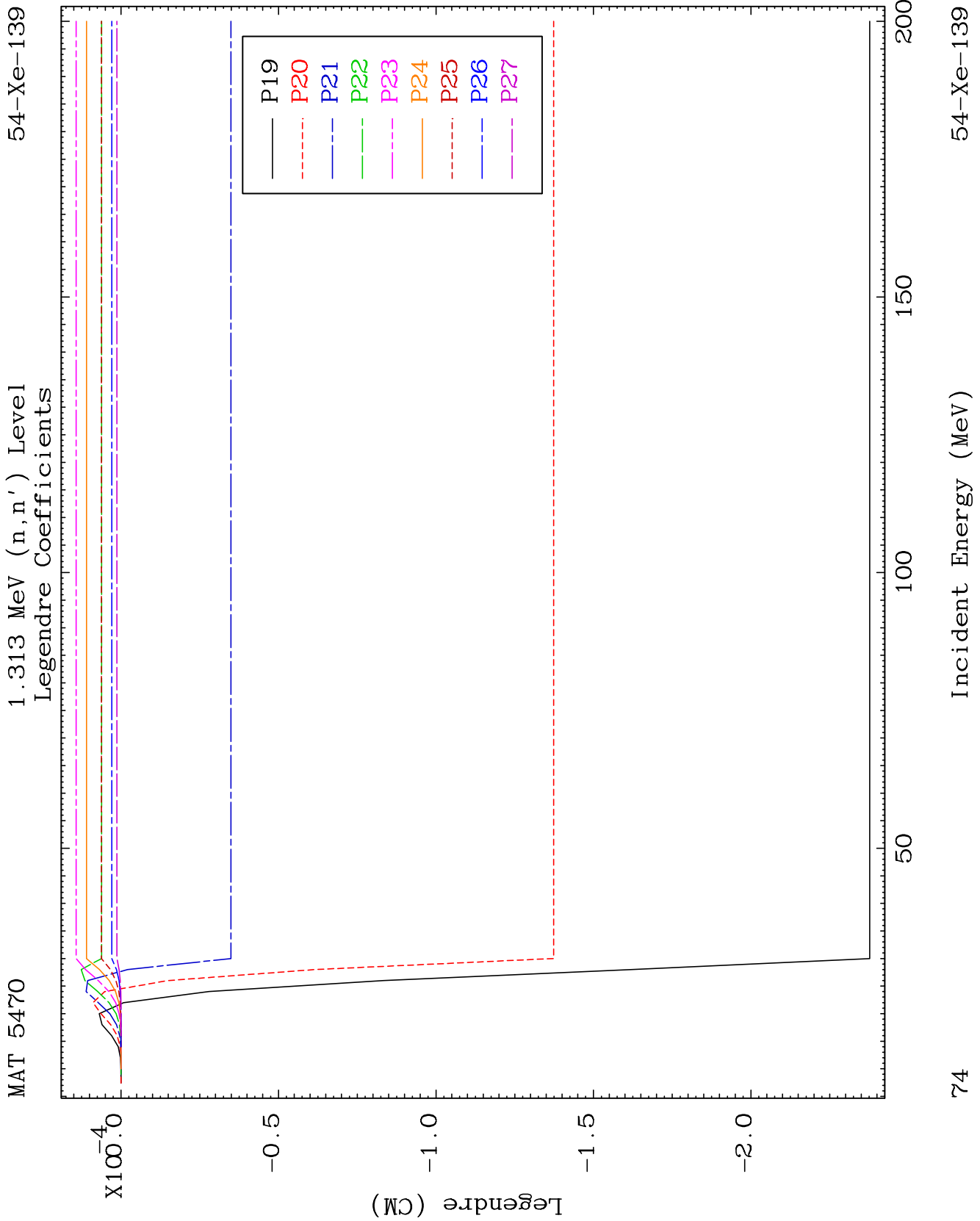
54-Xe-139



73

Incident Energy (MeV)

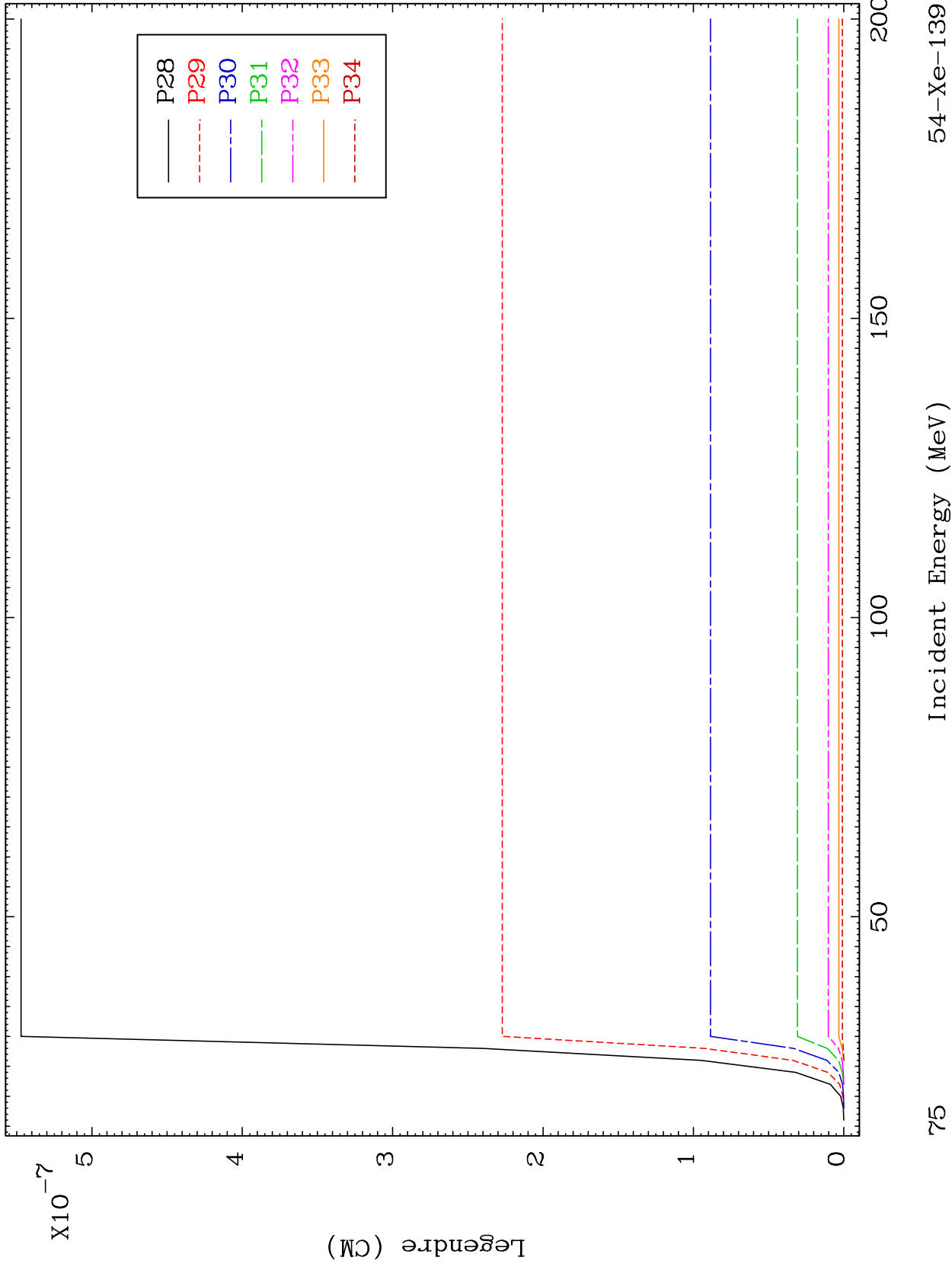
54-Xe-139



MAT 5470

1.313 MeV (n,n') Level  
Legendre Coefficients

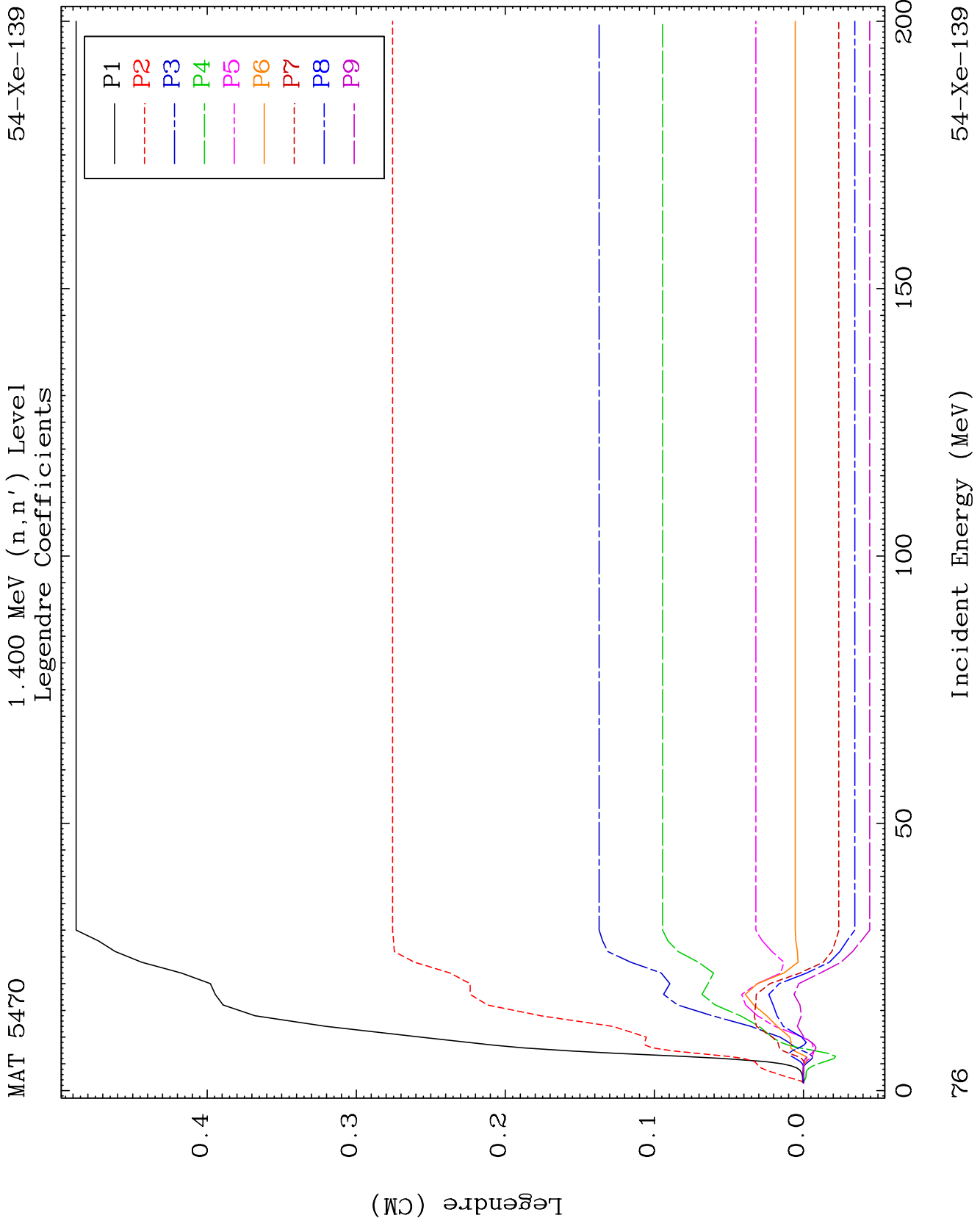
54-Xe-139



75

Incident Energy (MeV)

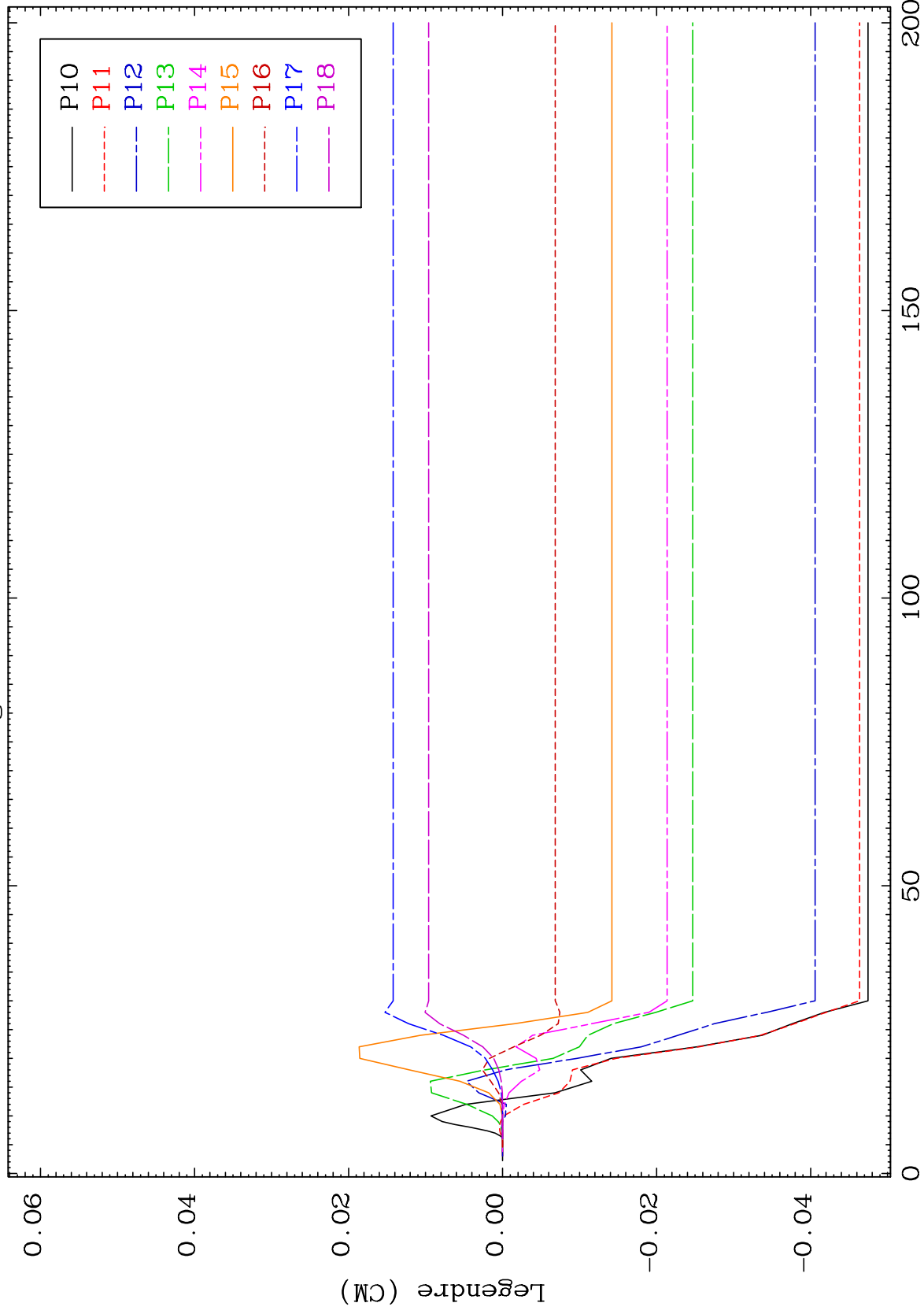
54-Xe-139



MAT 5470

1.400 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



77

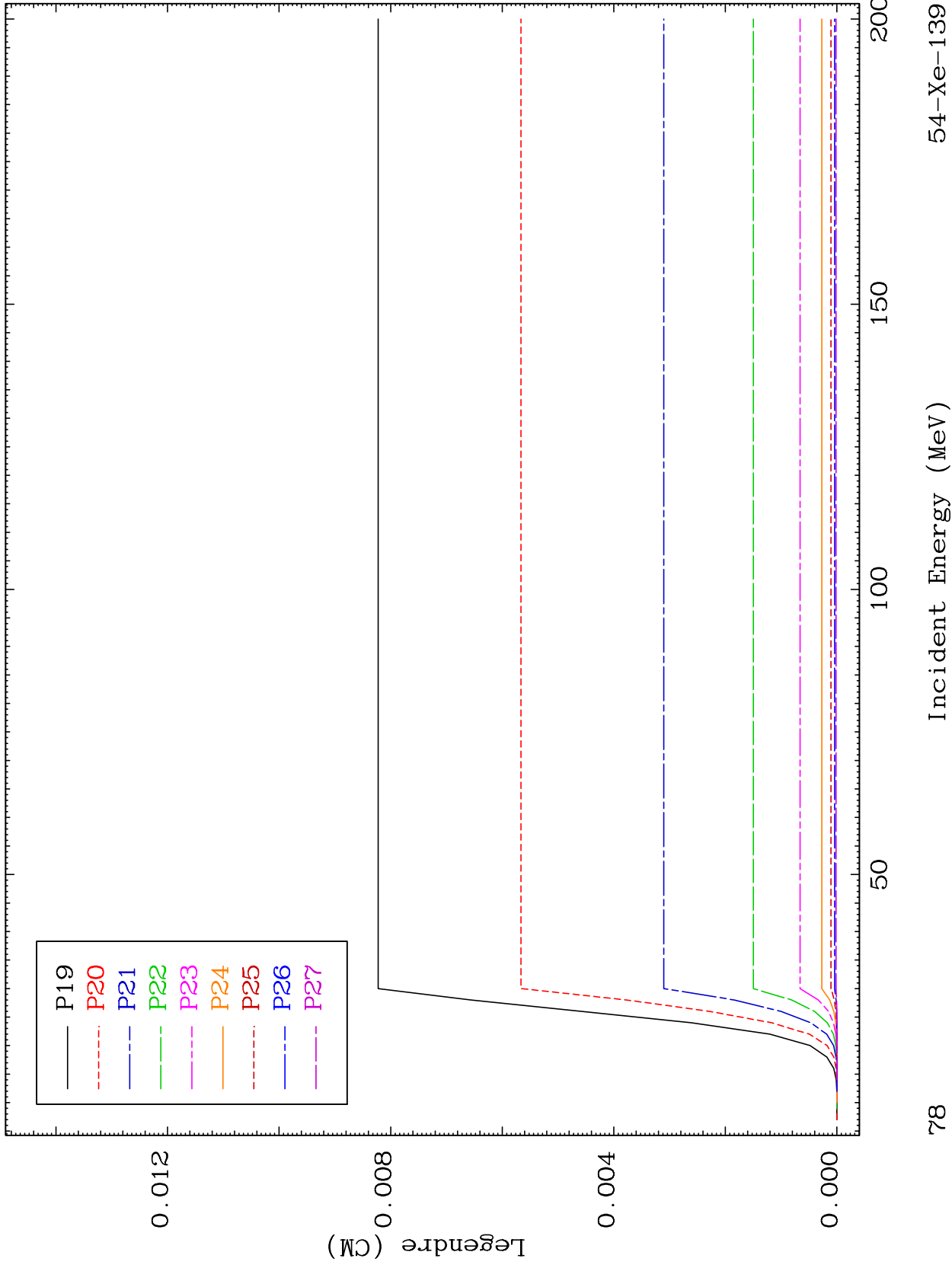
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.400 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139





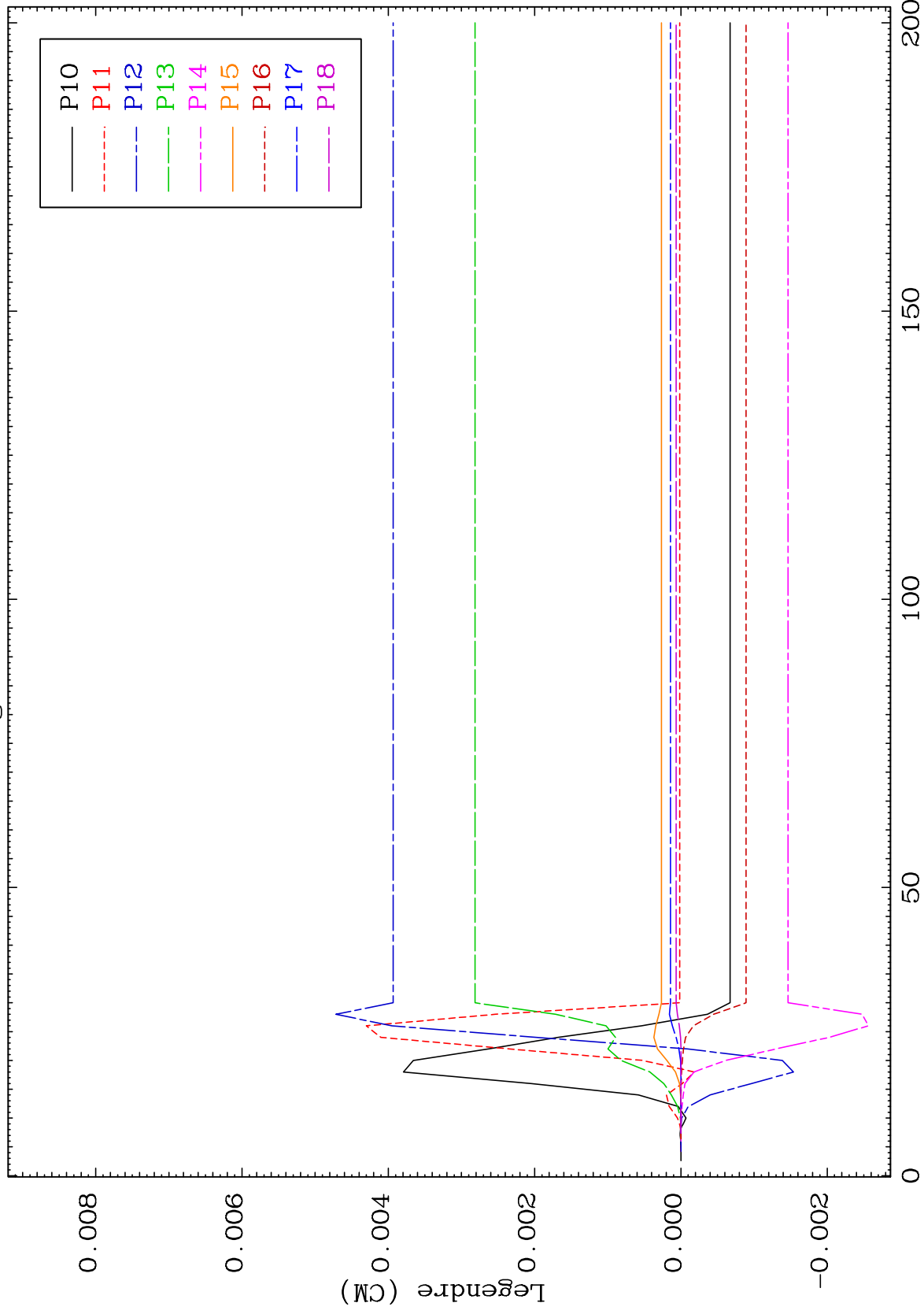




MAT 5470

1.418 MeV (n,n') Level  
Legendre Coefficients

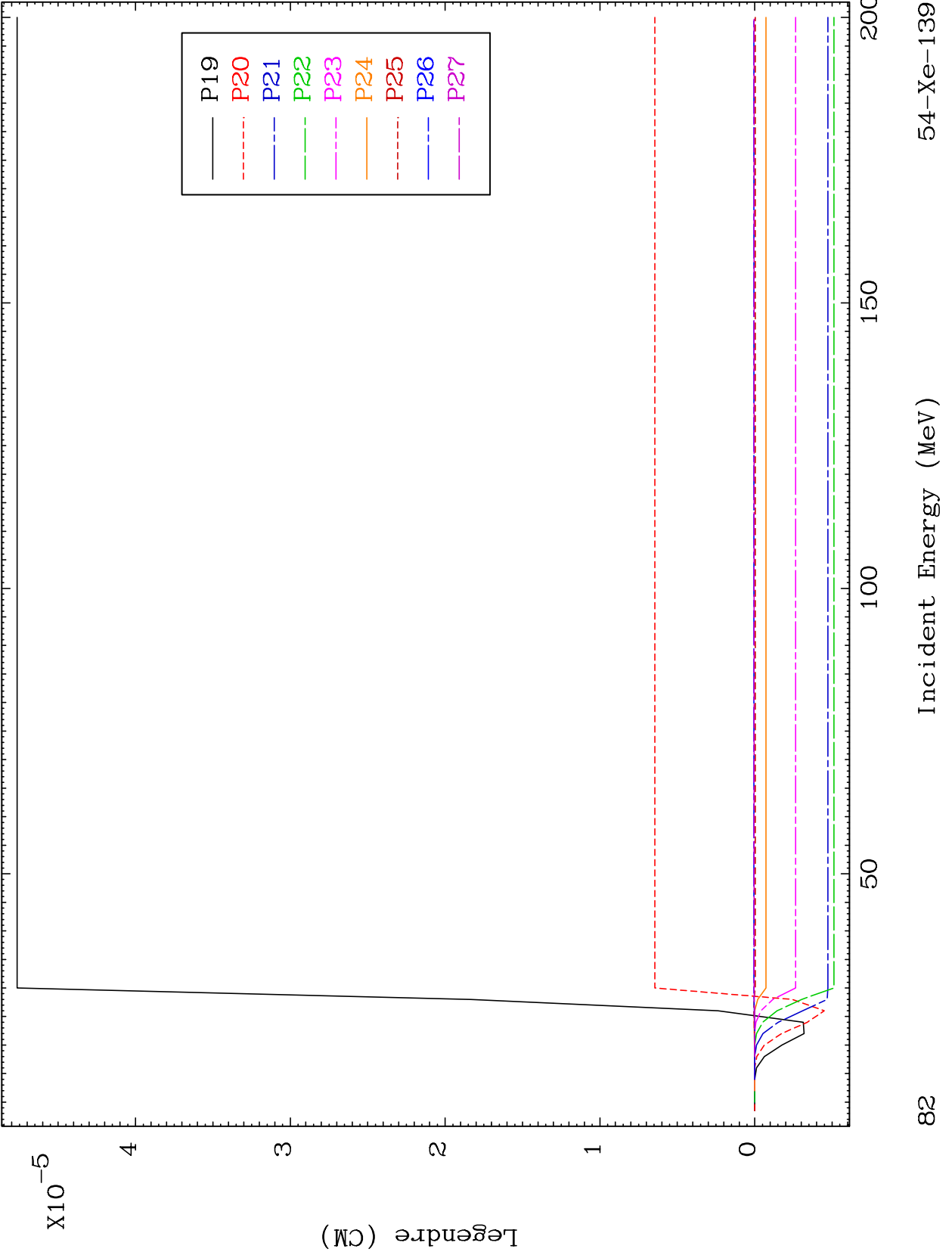
54-Xe-139

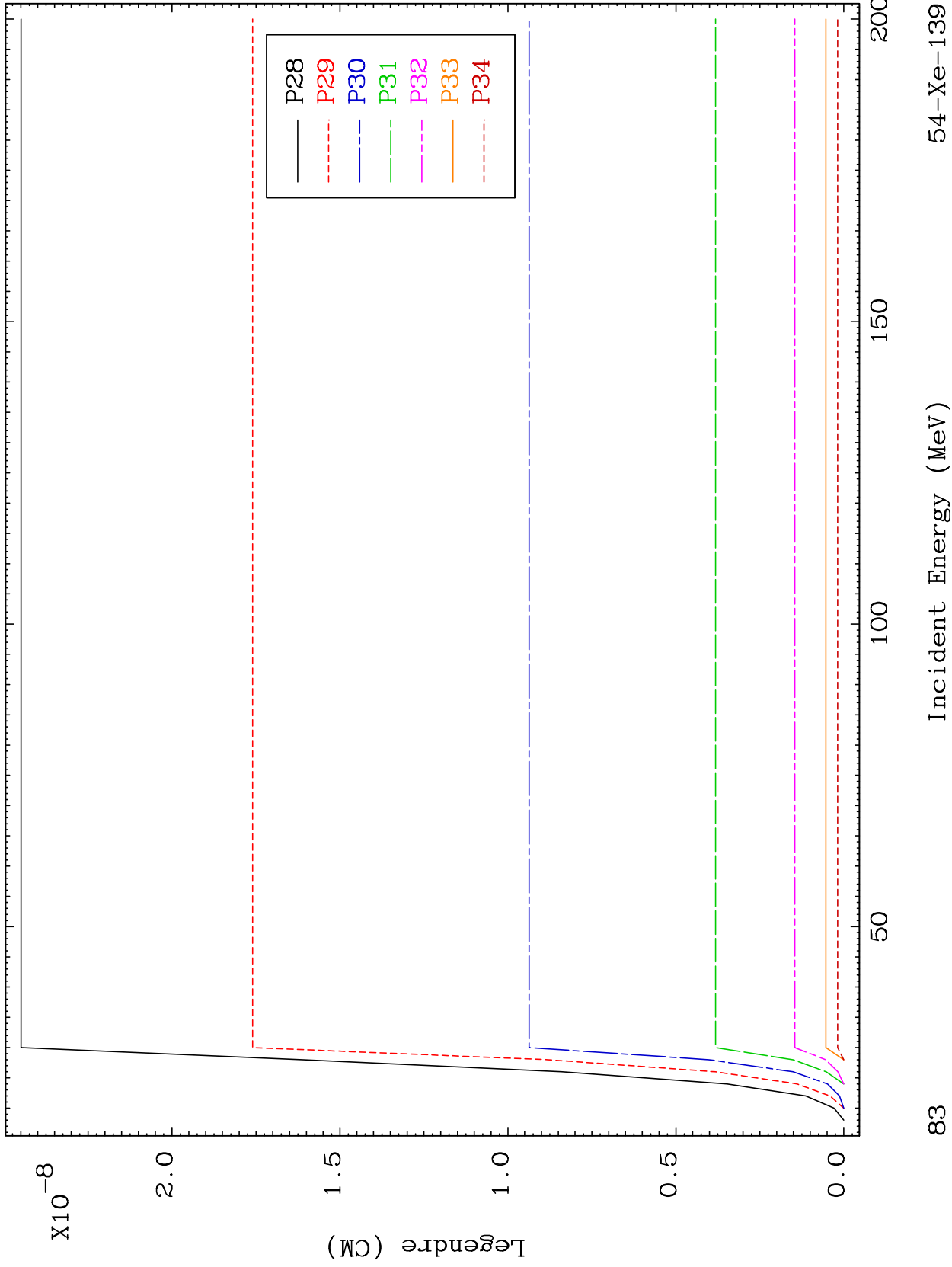


81

Incident Energy (MeV)

54-Xe-139

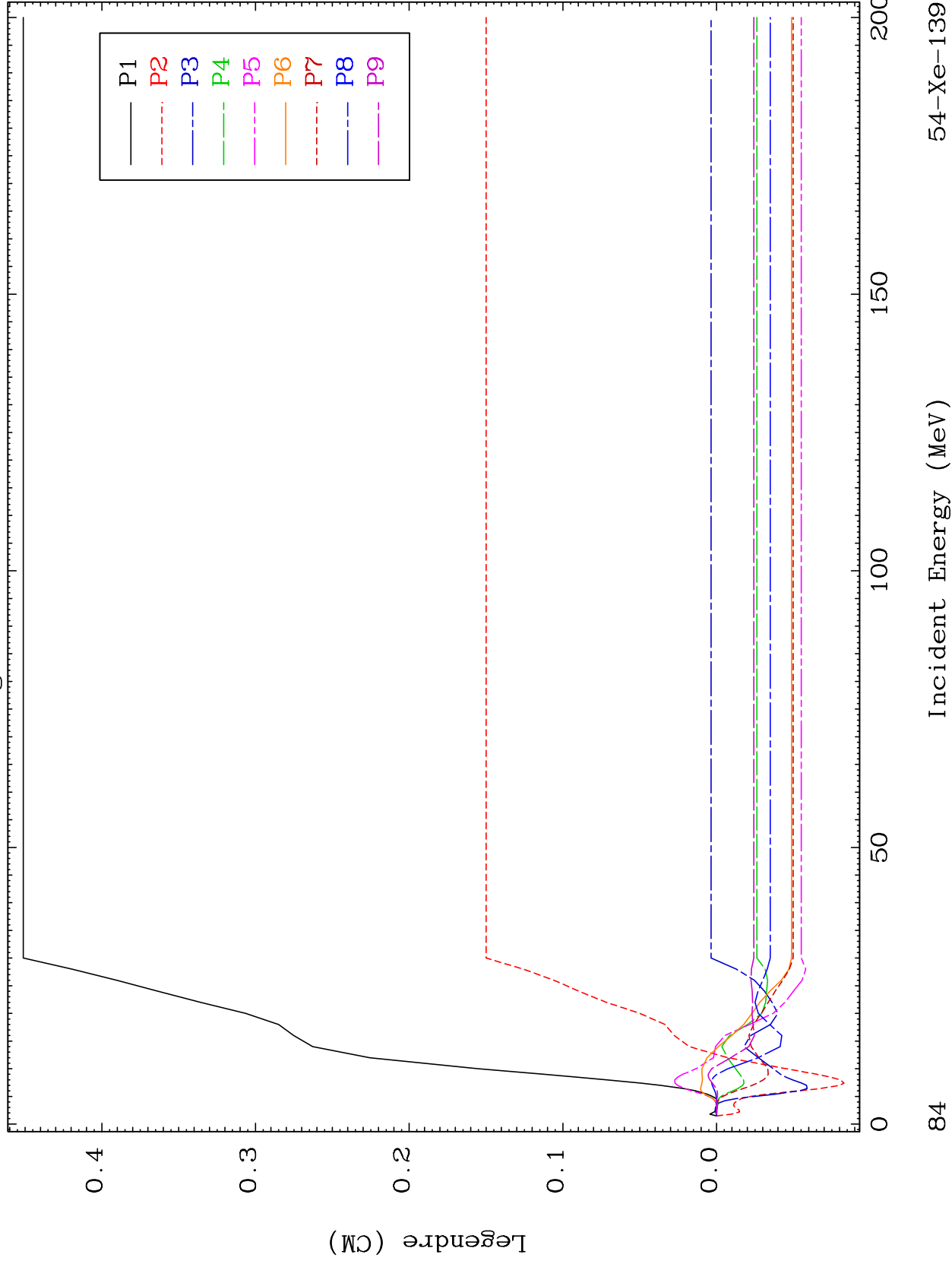




MAT 5470

1.444 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139

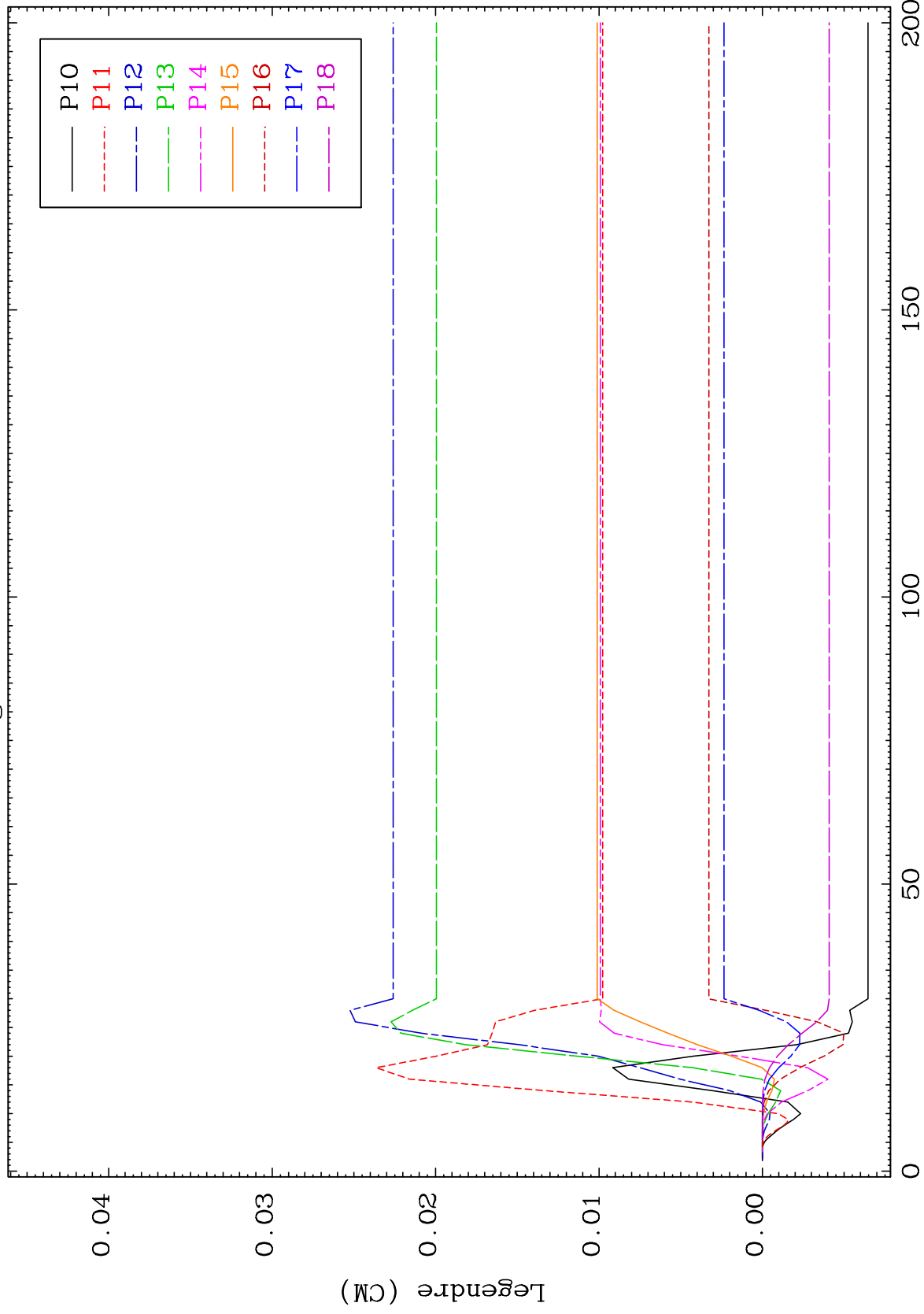


84

MAT 5470

1.444 MeV (n,n') Level  
Legendre Coefficients

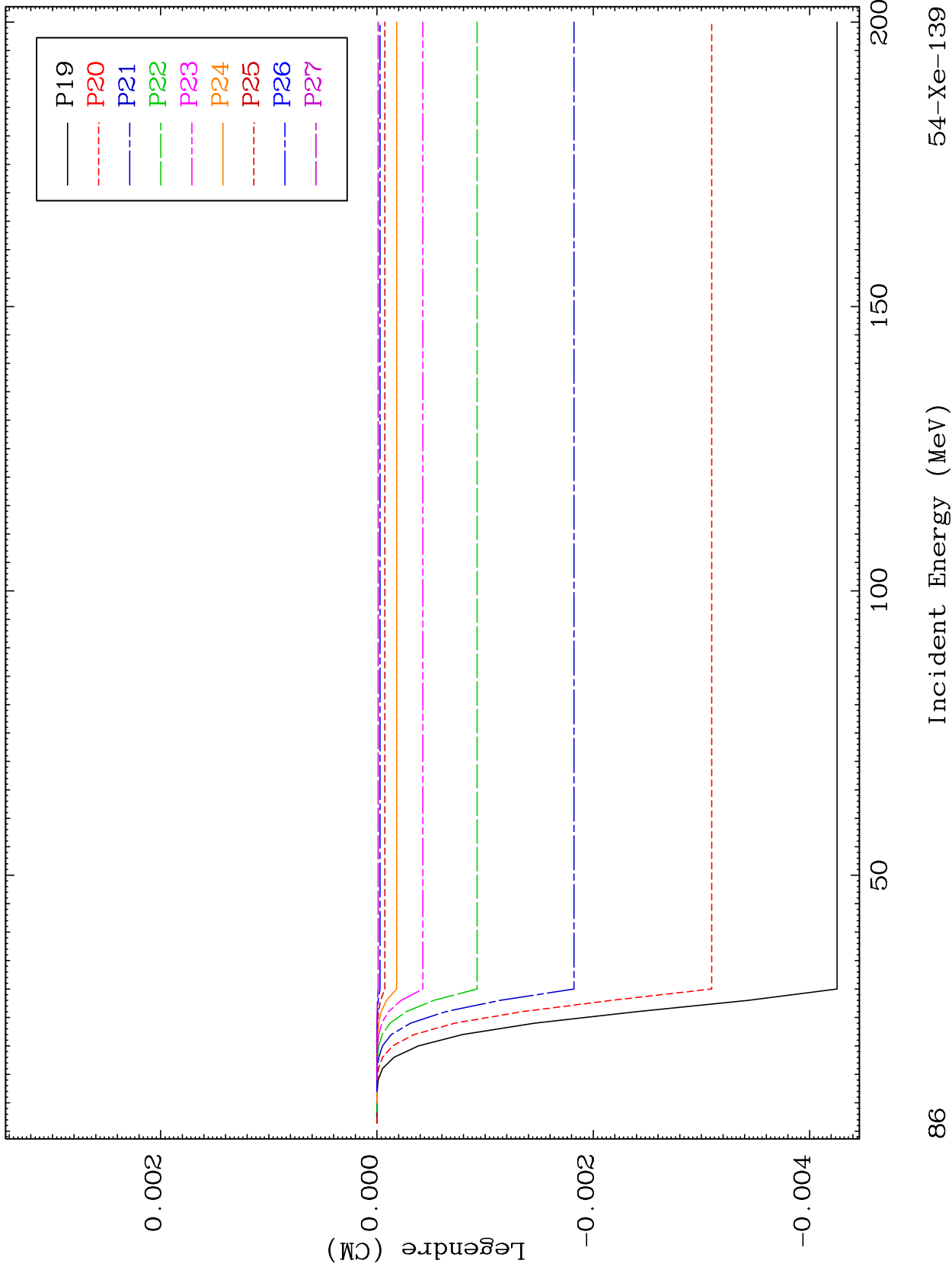
54-Xe-139

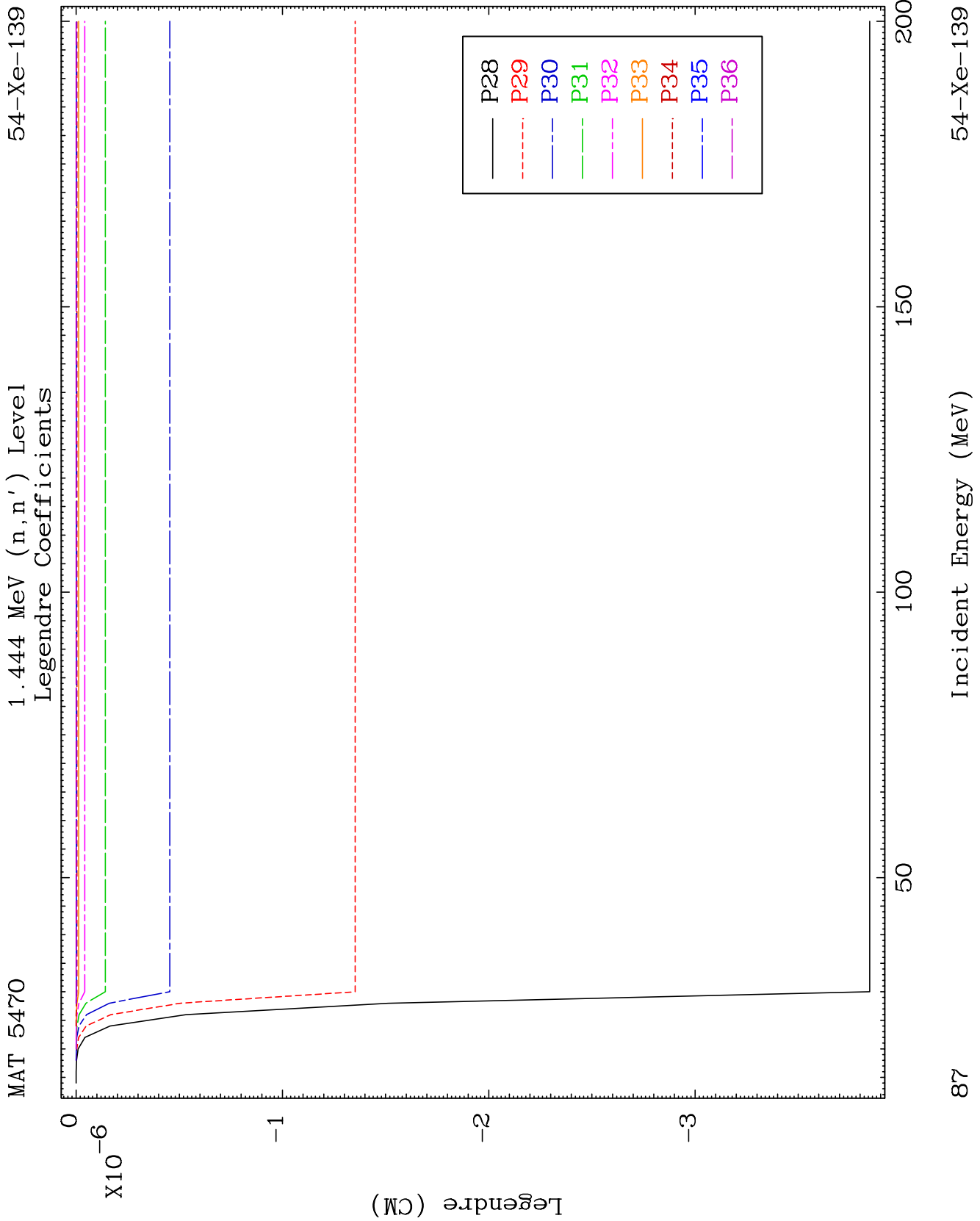


85

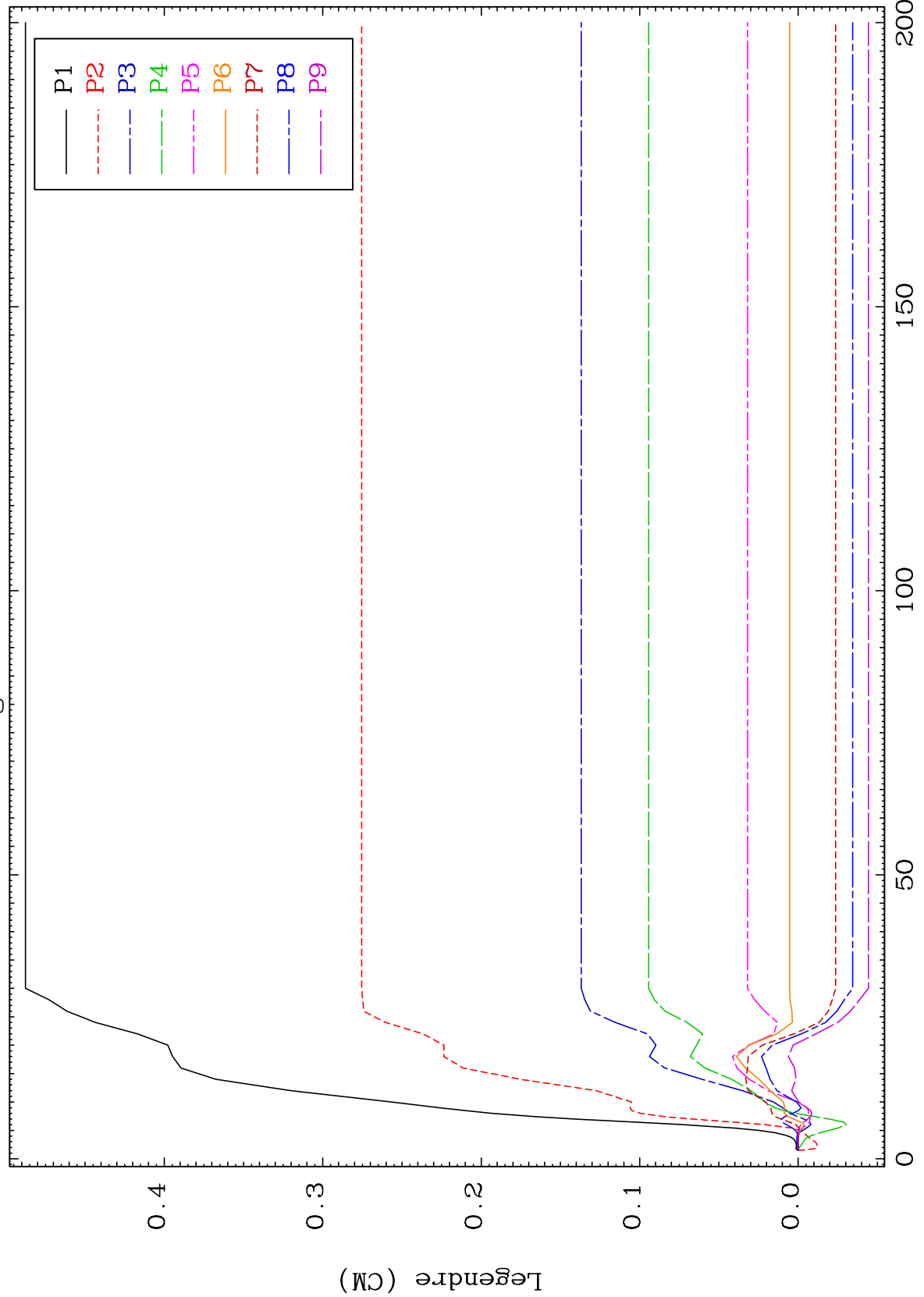
Incident Energy (MeV)

54-Xe-139





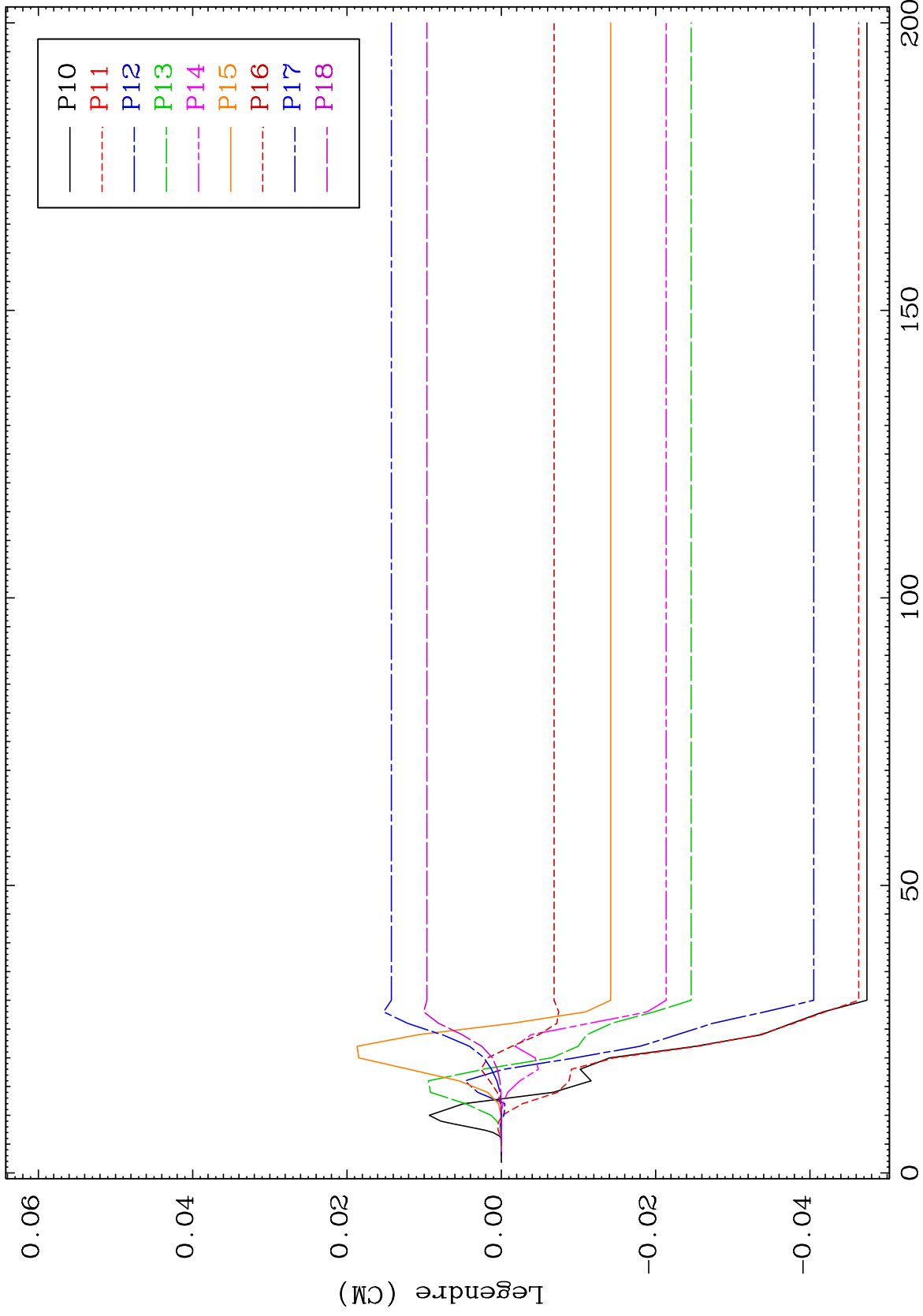




MAT 5470

1.449 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



89

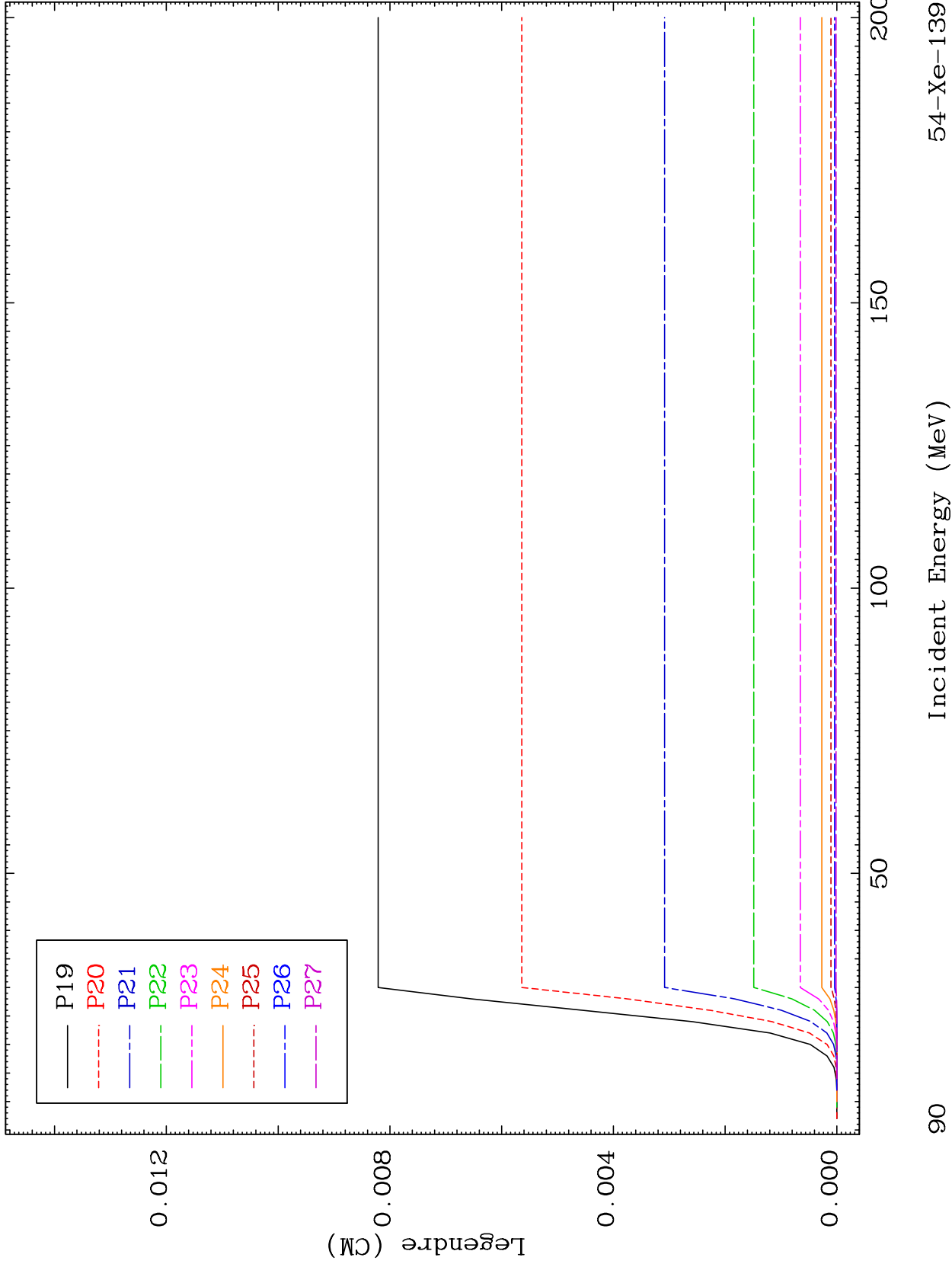
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.449 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



90

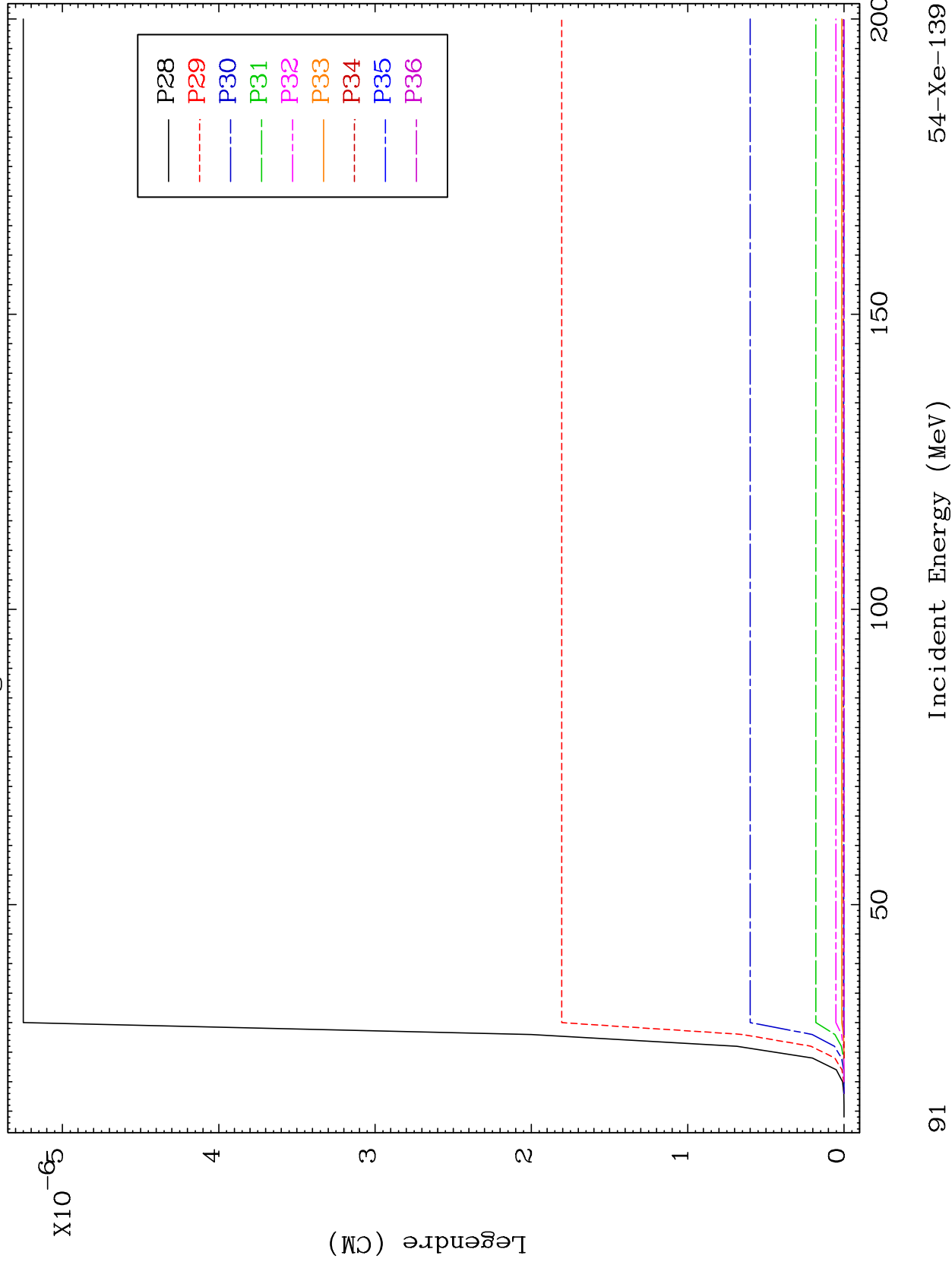
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.449 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139

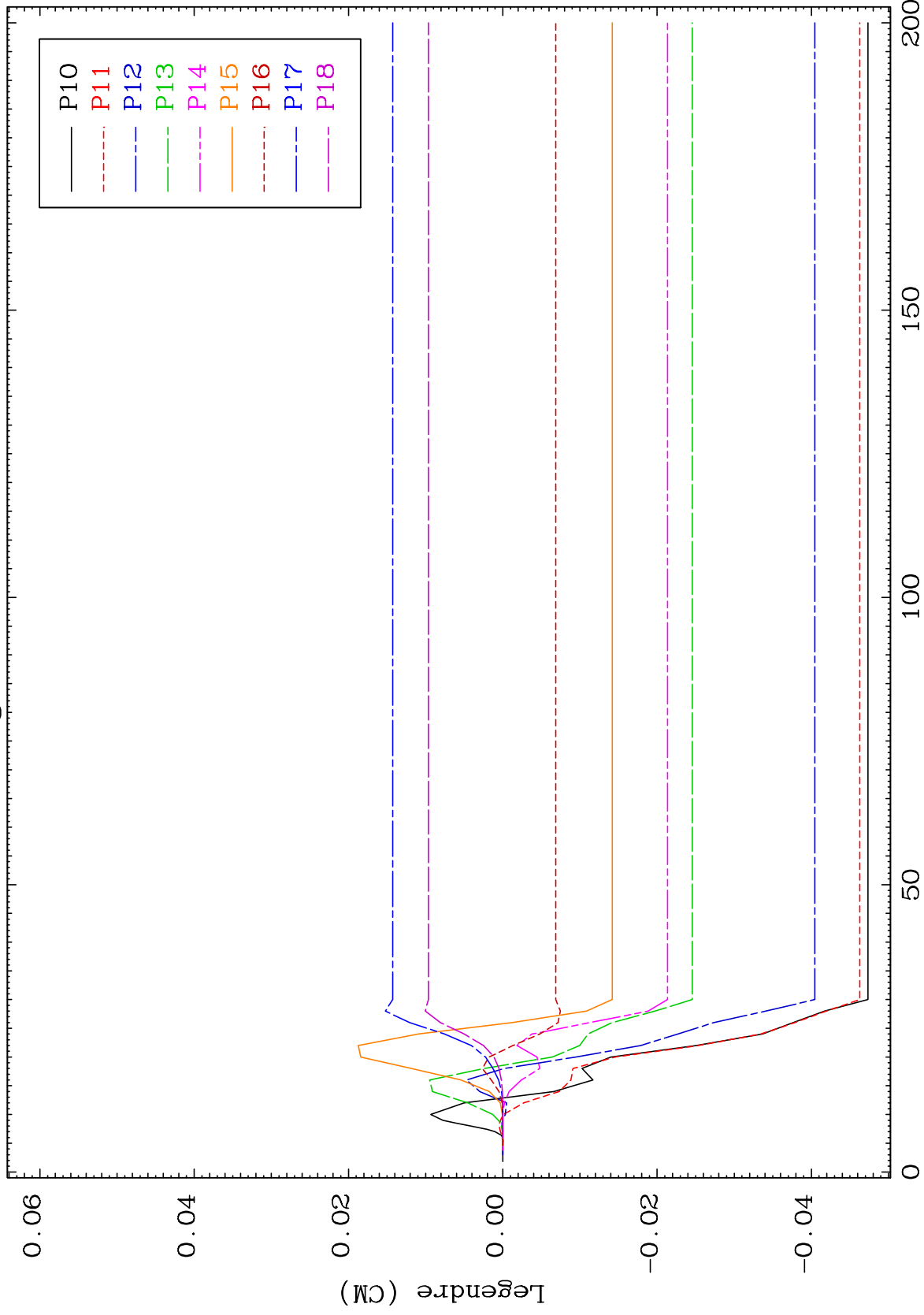




MAT 5470

1.494 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



93

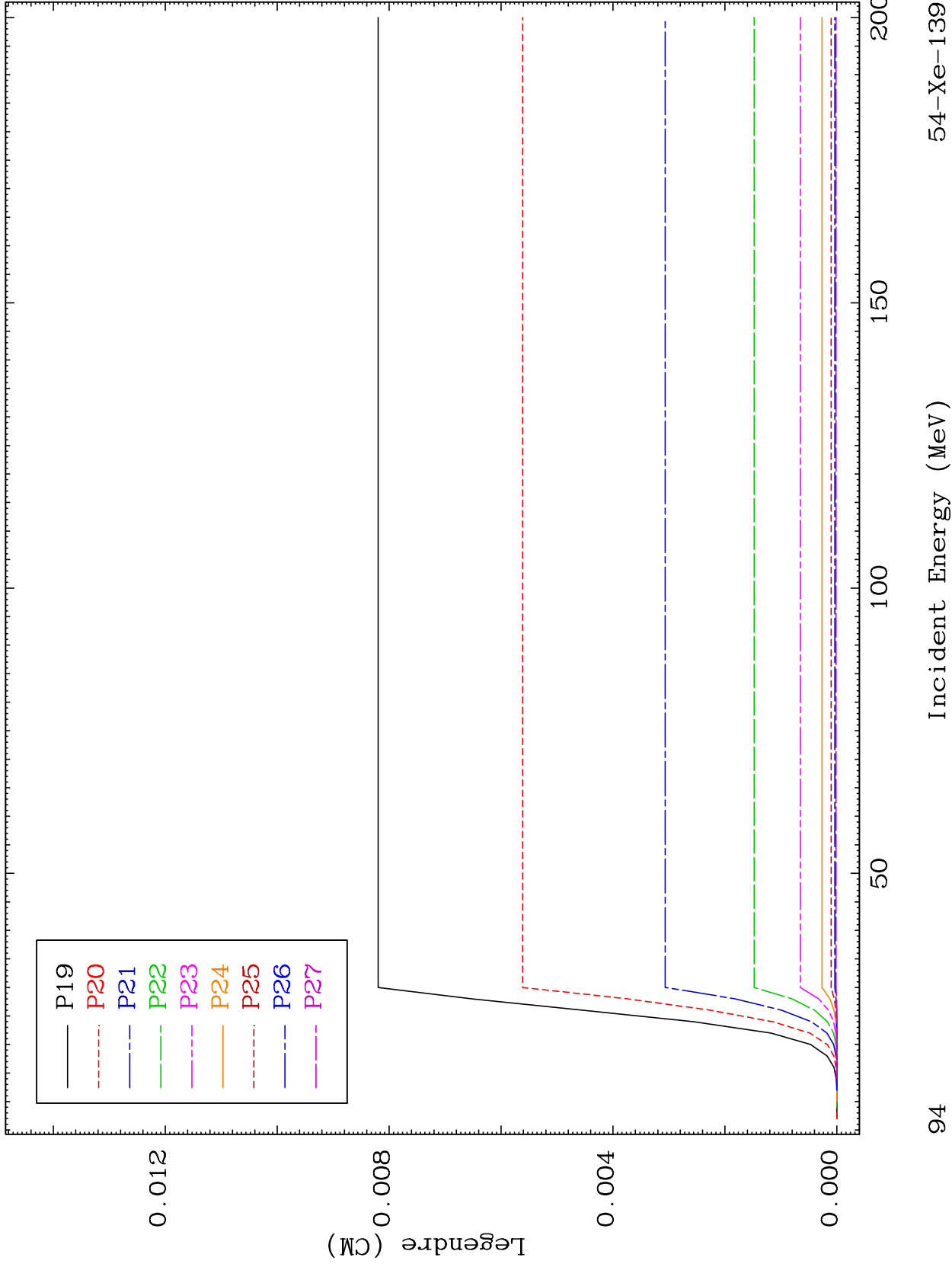
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.494 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



94

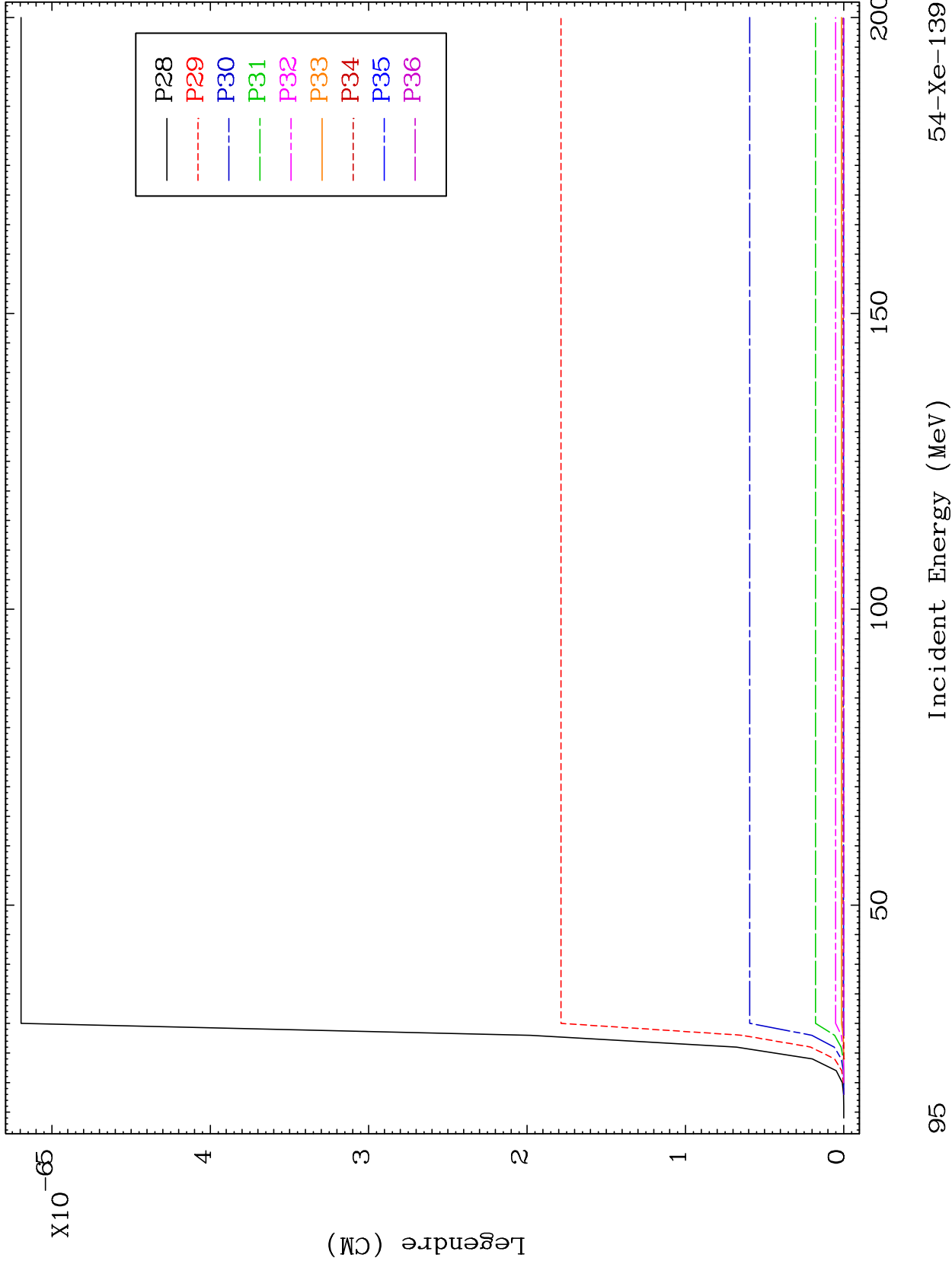
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.494 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



95

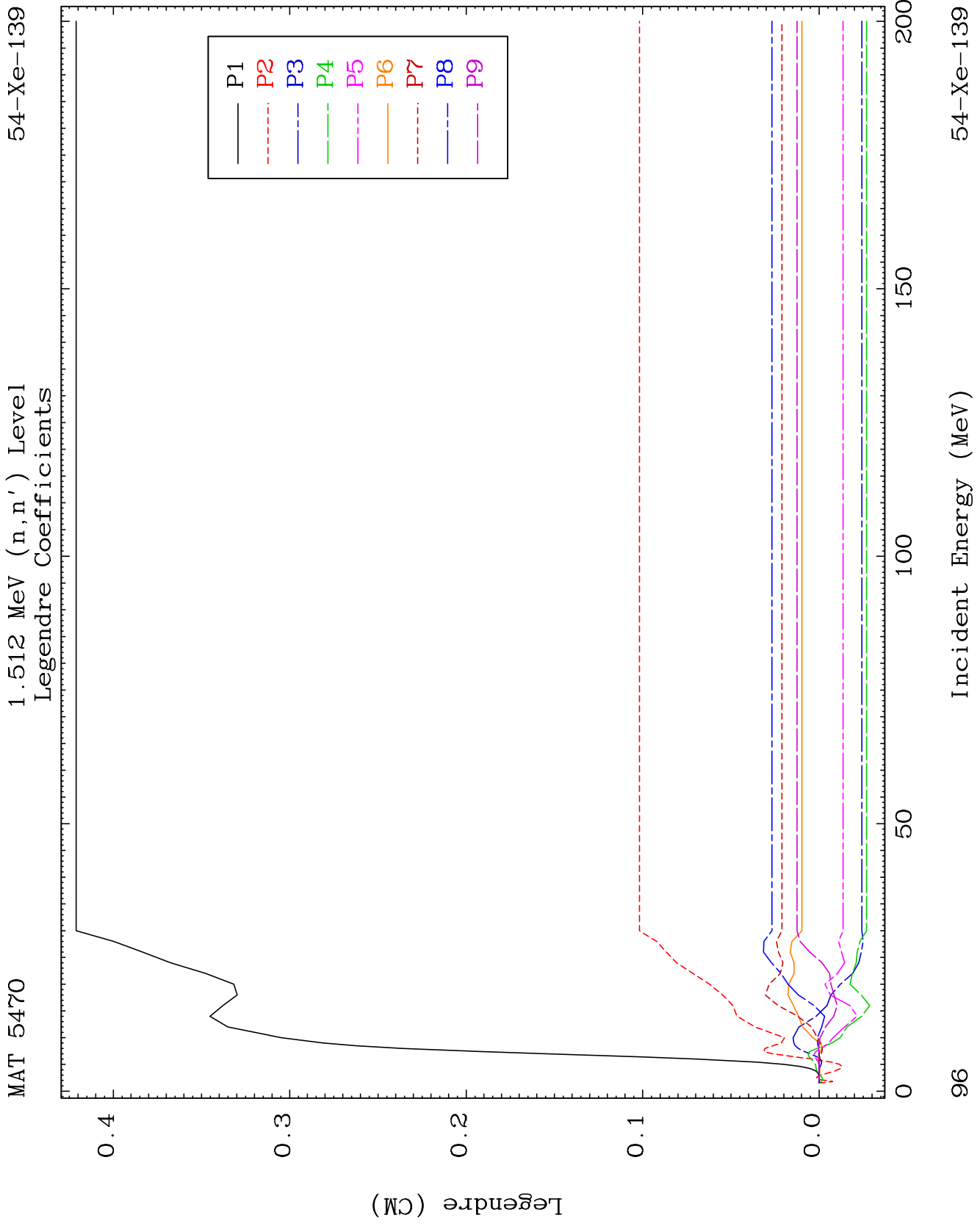
50

100

150

200

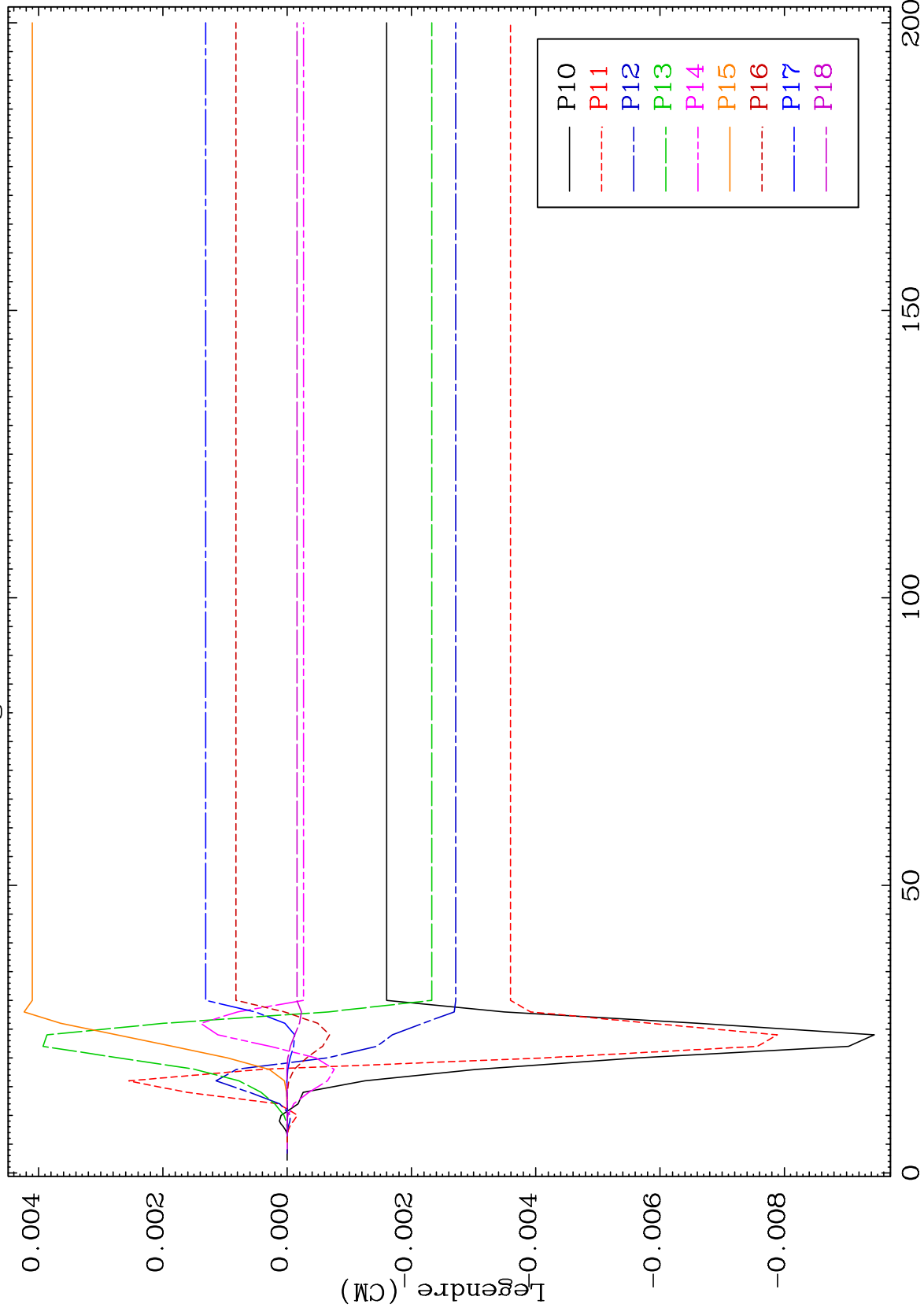




MAT 5470

1.512 MeV (n, n') Level  
Legendre Coefficients

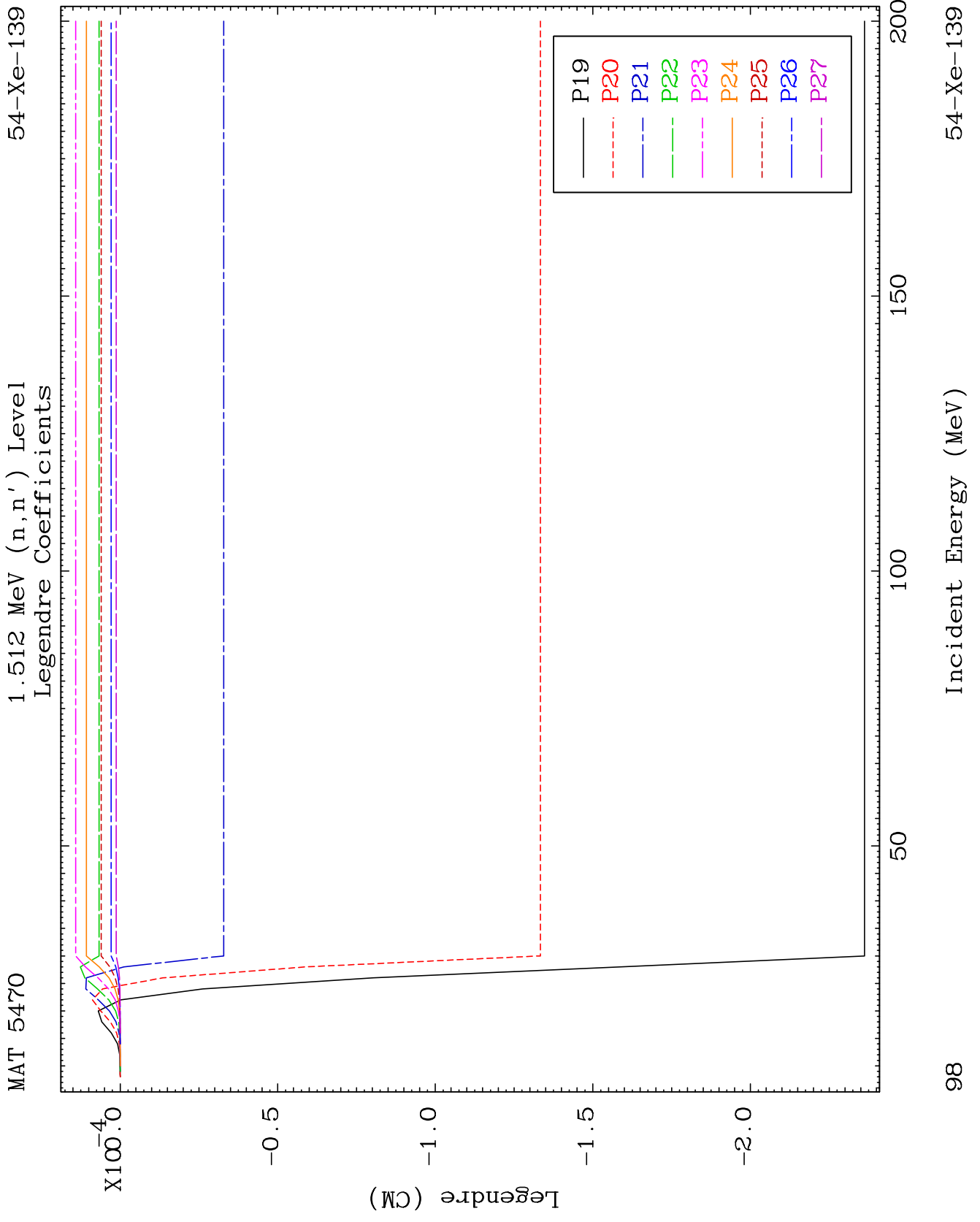
54-Xe-139



97

Incident Energy (MeV)

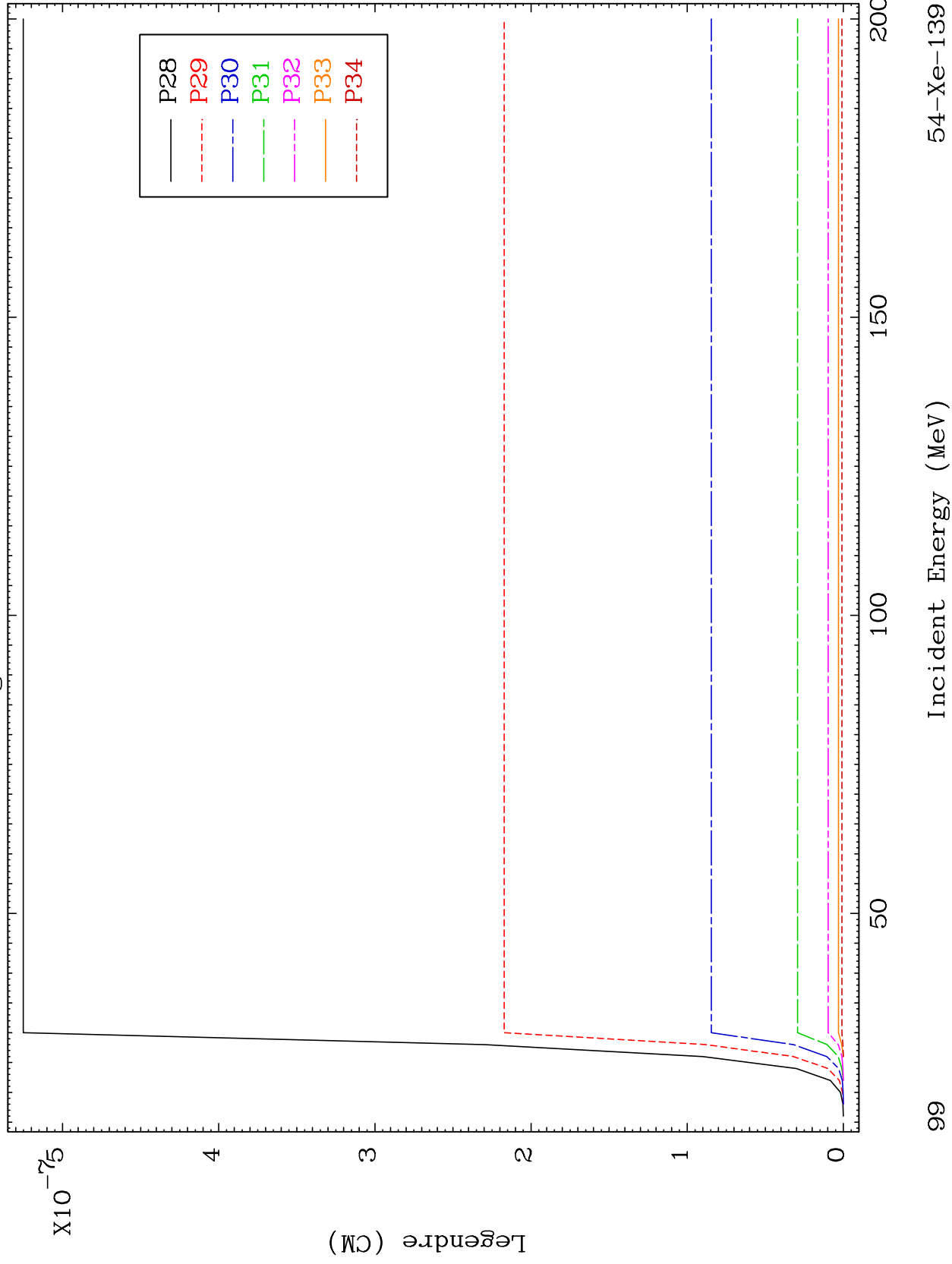
54-Xe-139



MAT 5470

1.512 MeV (n, n') Level  
Legendre Coefficients

54-Xe-139



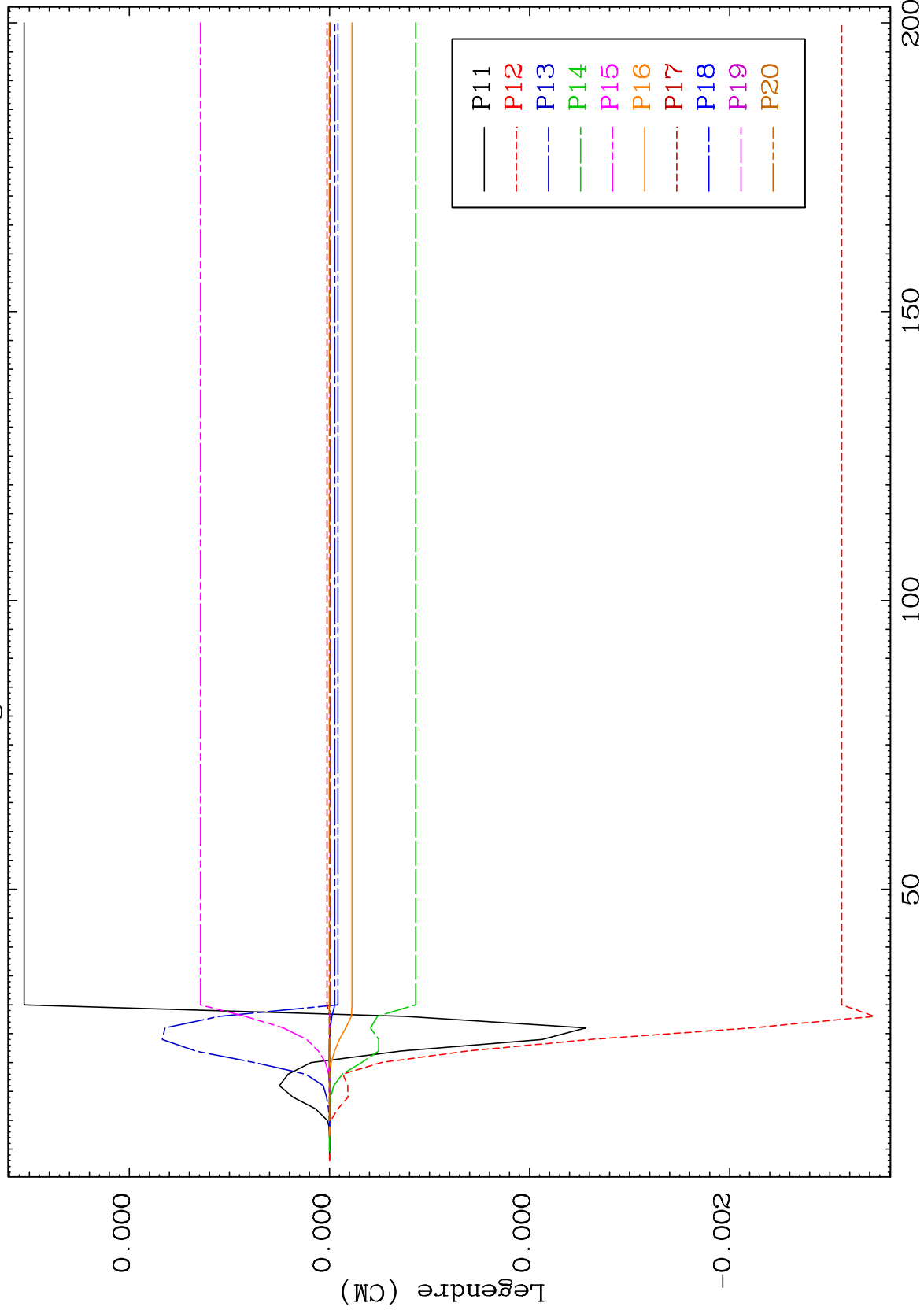
99



MAT 5470

1.577 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



101

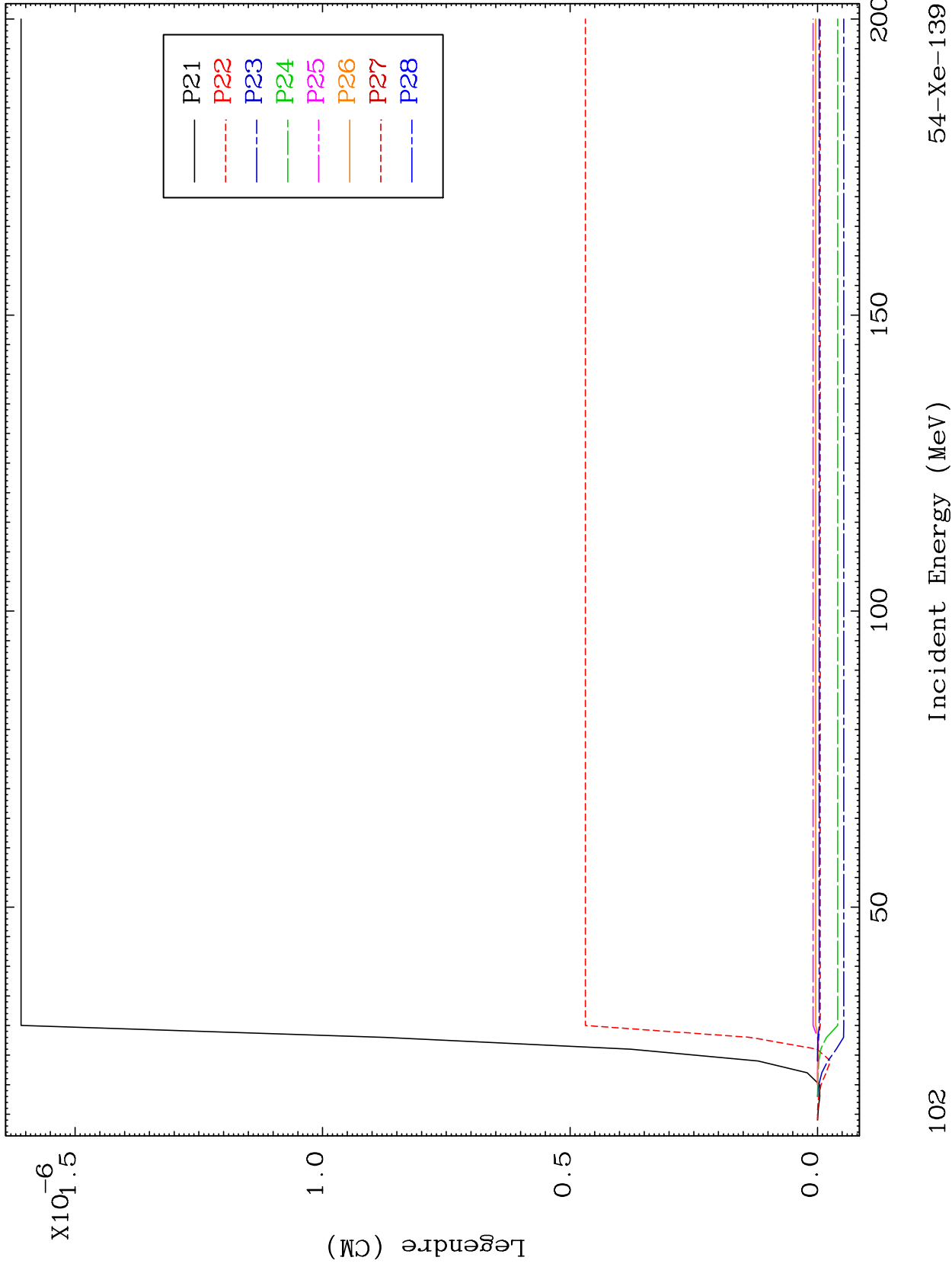
Incident Energy (MeV)

54-Xe-139

MAT 5470

1.577 MeV (n, n') Level  
Legendre Coefficients

54-Xe-139

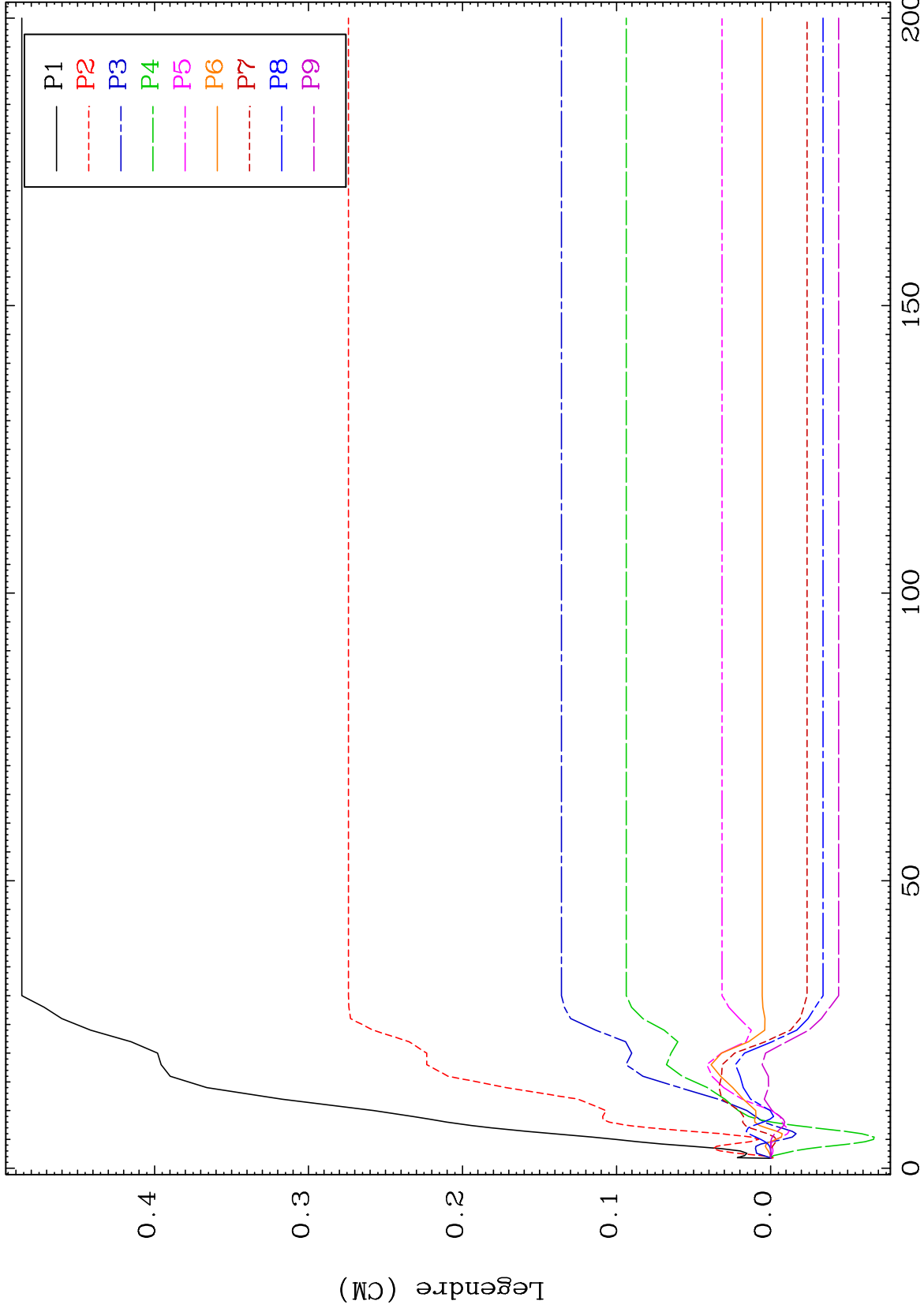


102

MAT 5470

1.684 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139



0

50

100

150

200

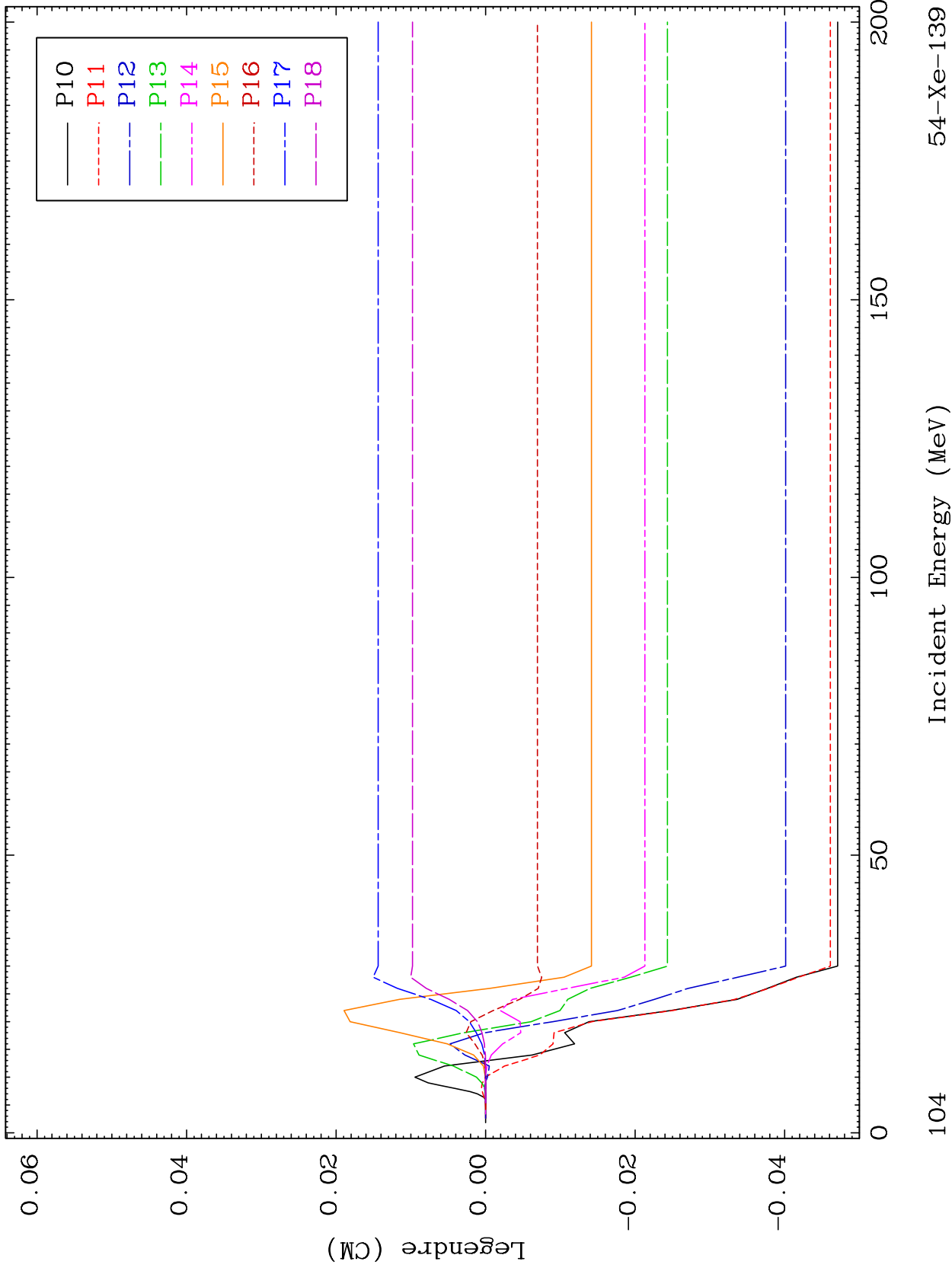
54-Xe-139



MAT 5470

1.684 MeV (n,n') Level  
Legendre Coefficients

54-Xe-139

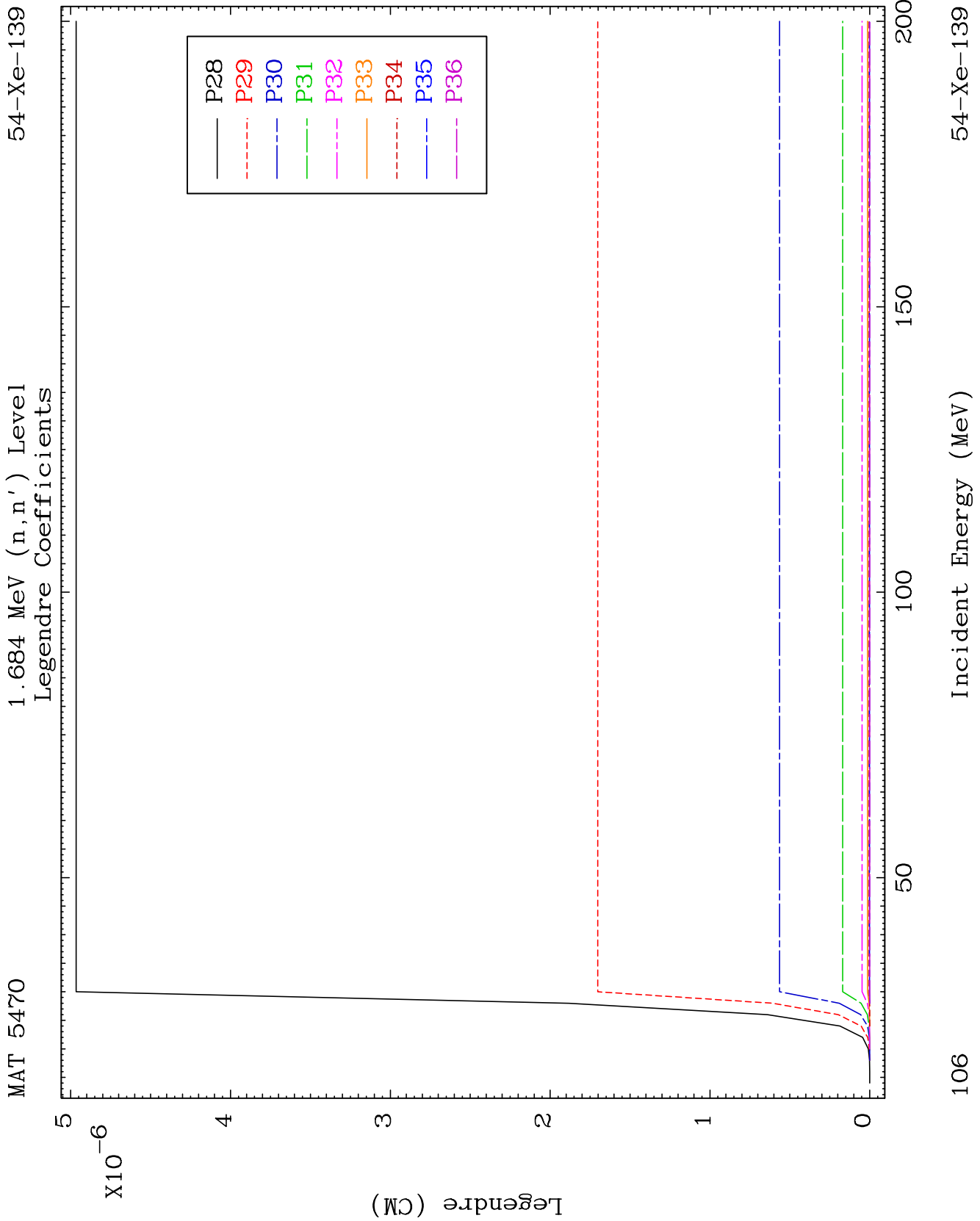


104

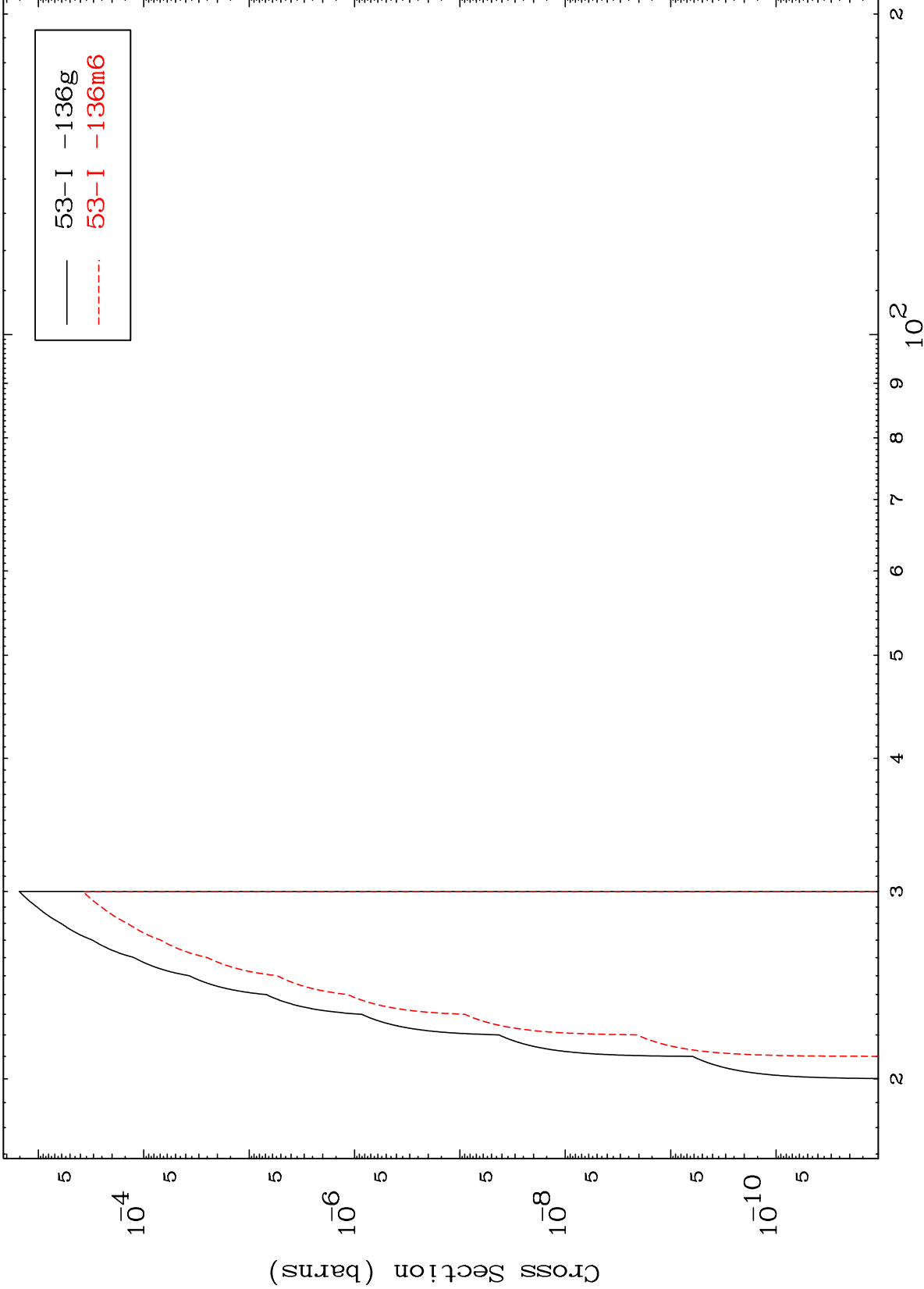
Incident Energy (MeV)

54-Xe-139



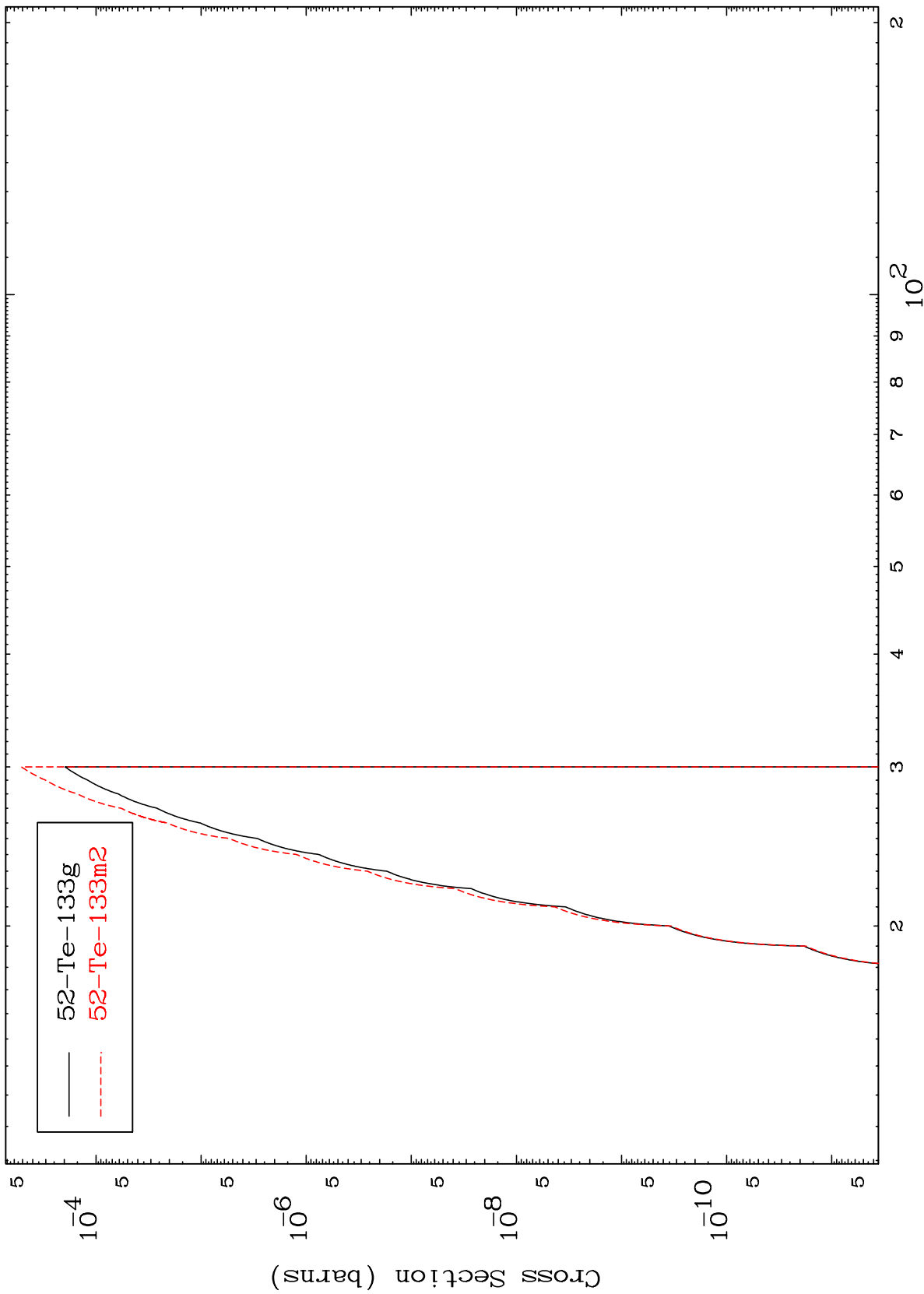


Radionuclide Production Cross Section

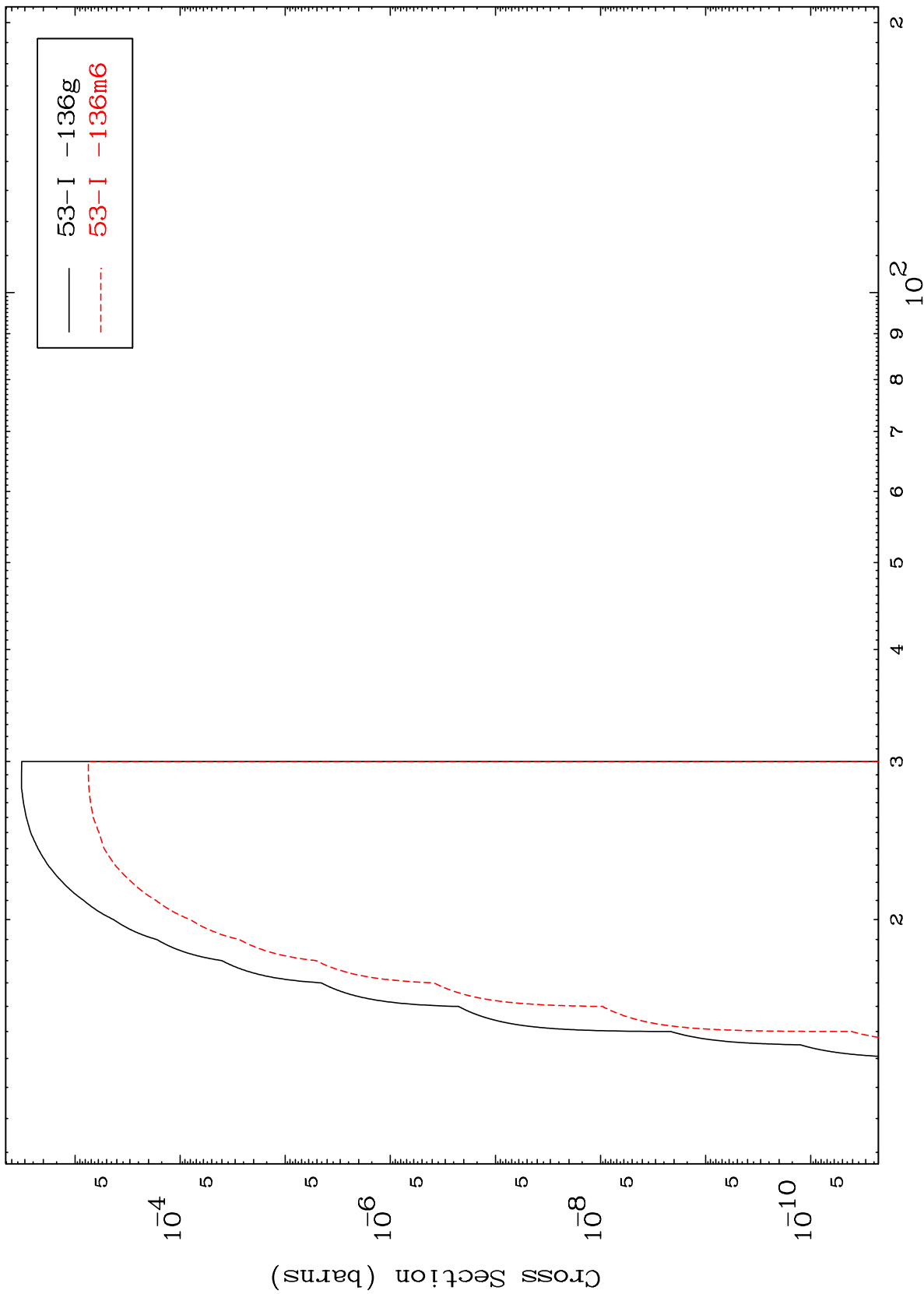


53-I-136g  
53-I-136m6

Radionuclide Production Cross Section



Radionuclide Production Cross Section

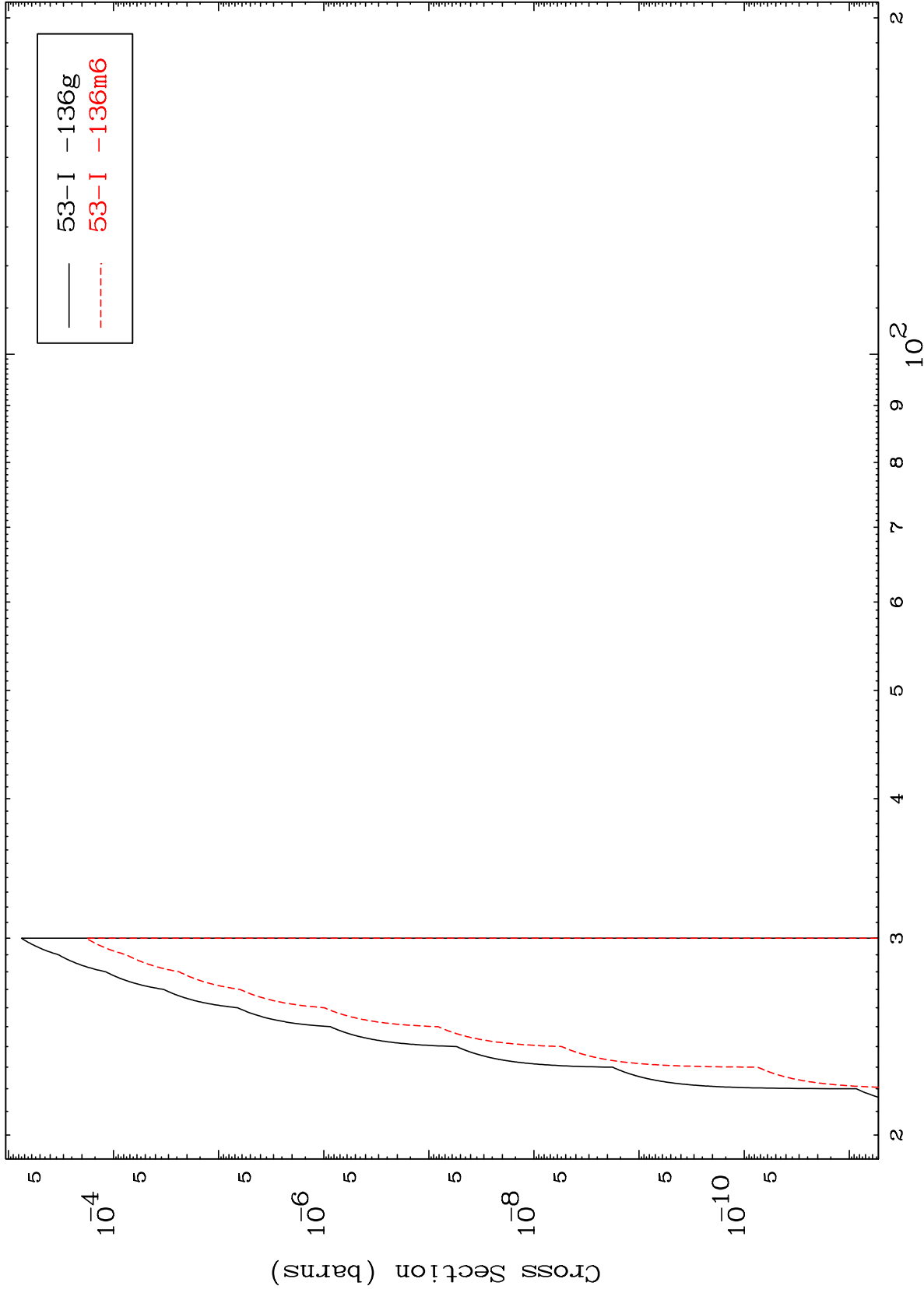


MAT 5470

(n,3n) p

54-Xe-139

Radionuclide Production Cross Section



110

Incident Energy (MeV)

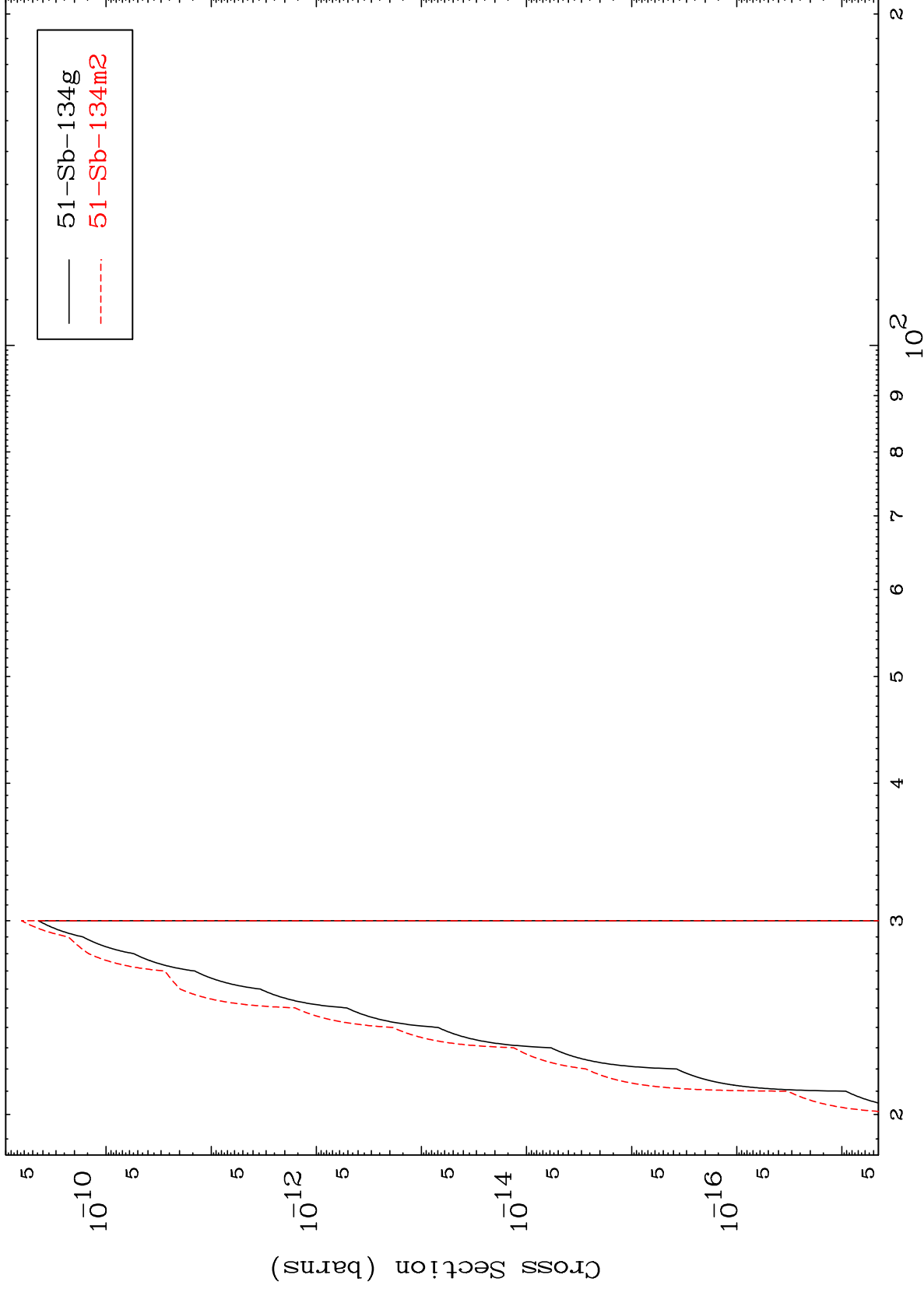
54-Xe-139

MAT 5470

(n,n') p  $\alpha$

54-Xe-139

Radionuclide Production Cross Section



111

Incident Energy (MeV)

54-Xe-139

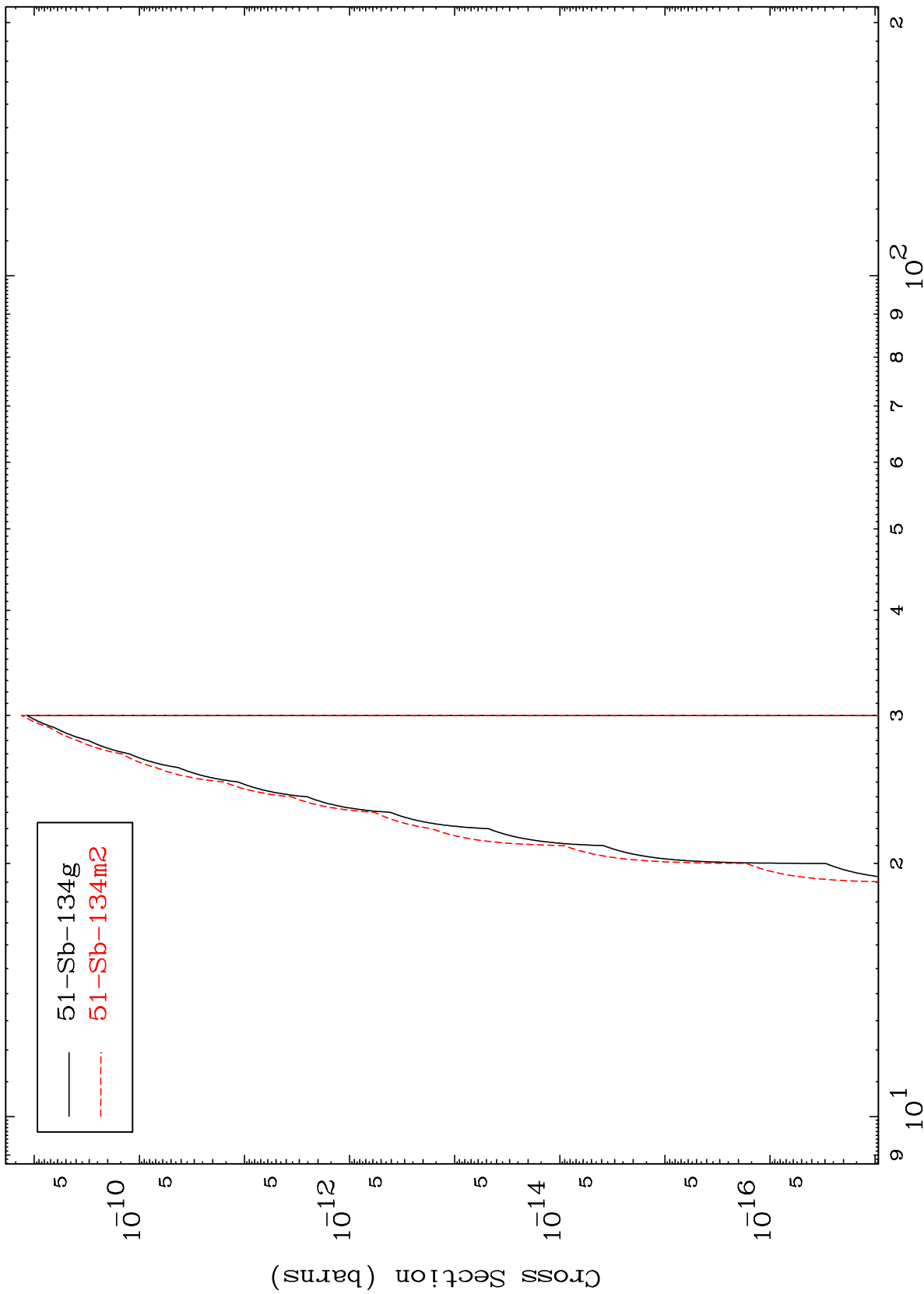


MAT 5470

(n,d)  $\alpha$

54-Xe-139

Radionuclide Production Cross Section



51-Sb-134g  
51-Sb-134m2

Incident Energy (MeV)

54-Xe-139

112