

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

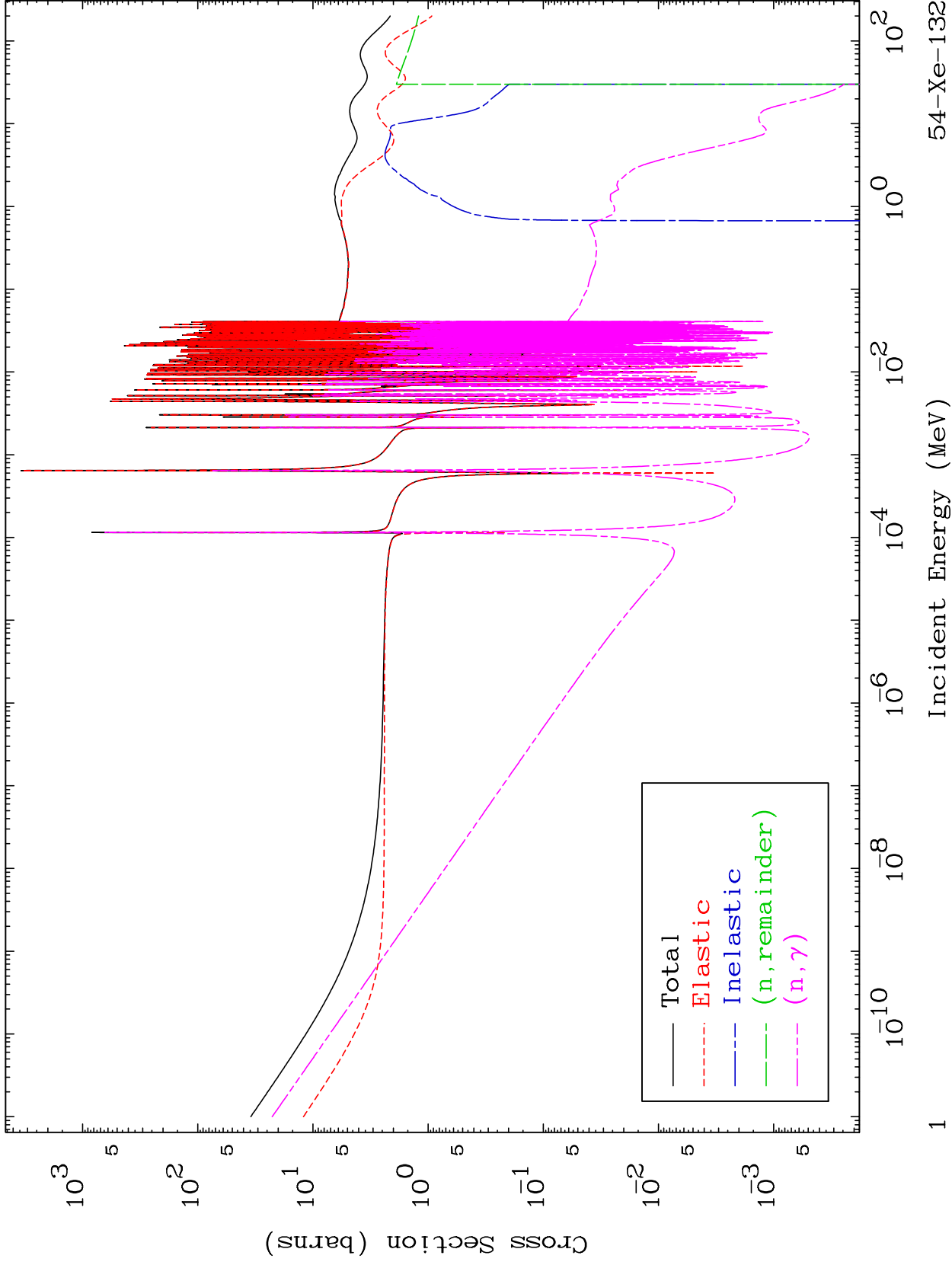
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

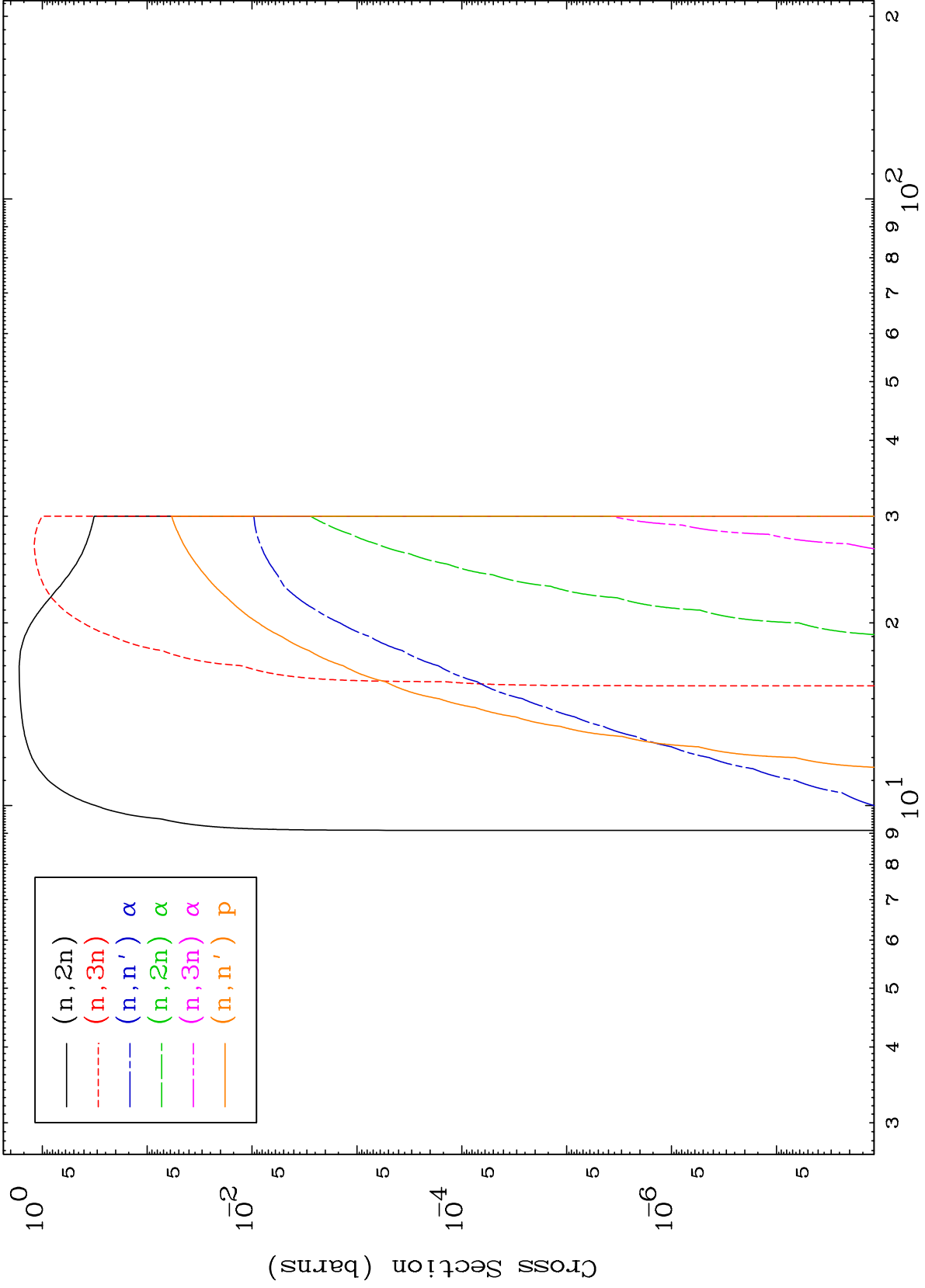
MAT 5449

Major  
293 Kelvin Cross Sections

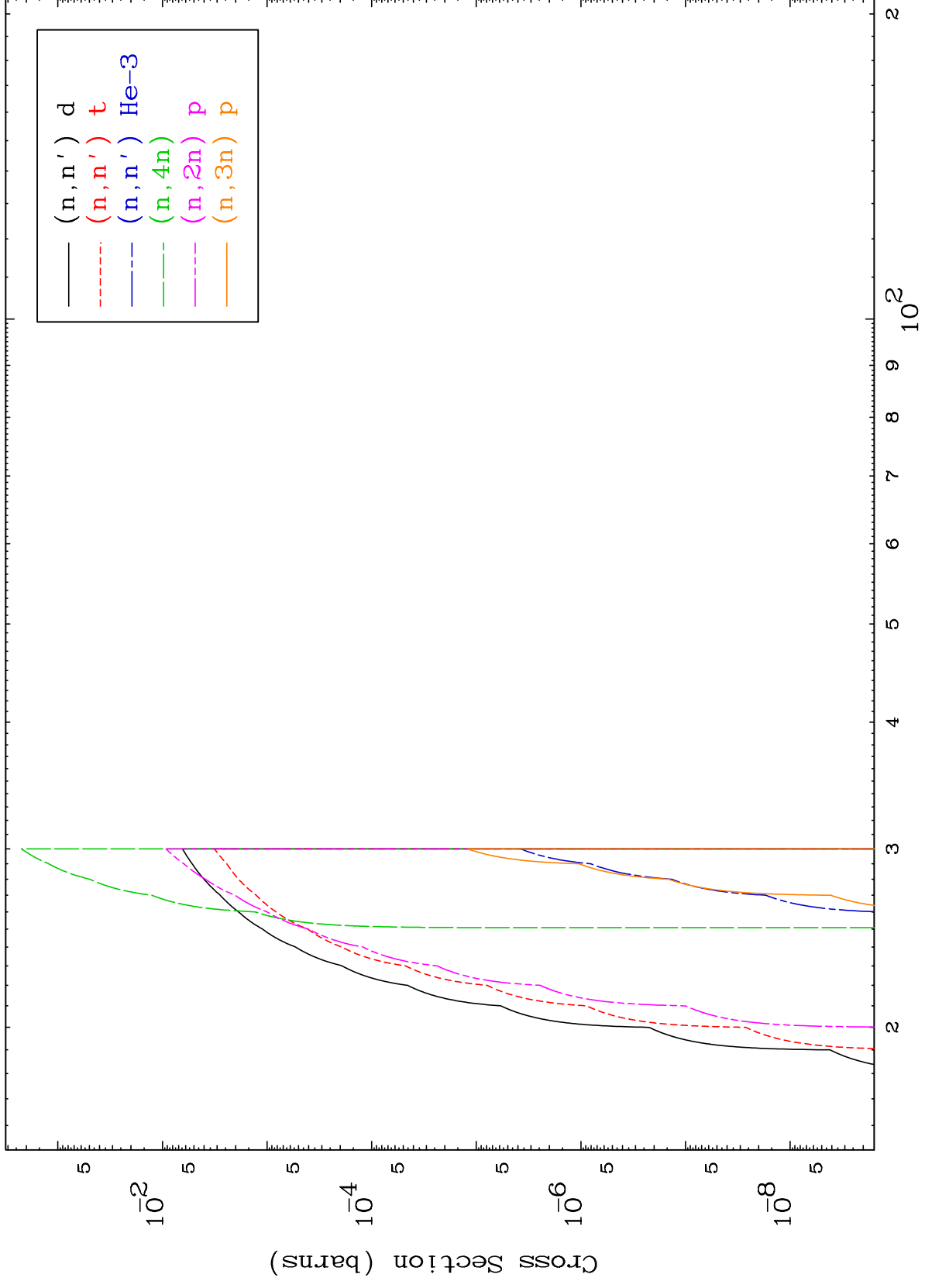
54-Xe-132

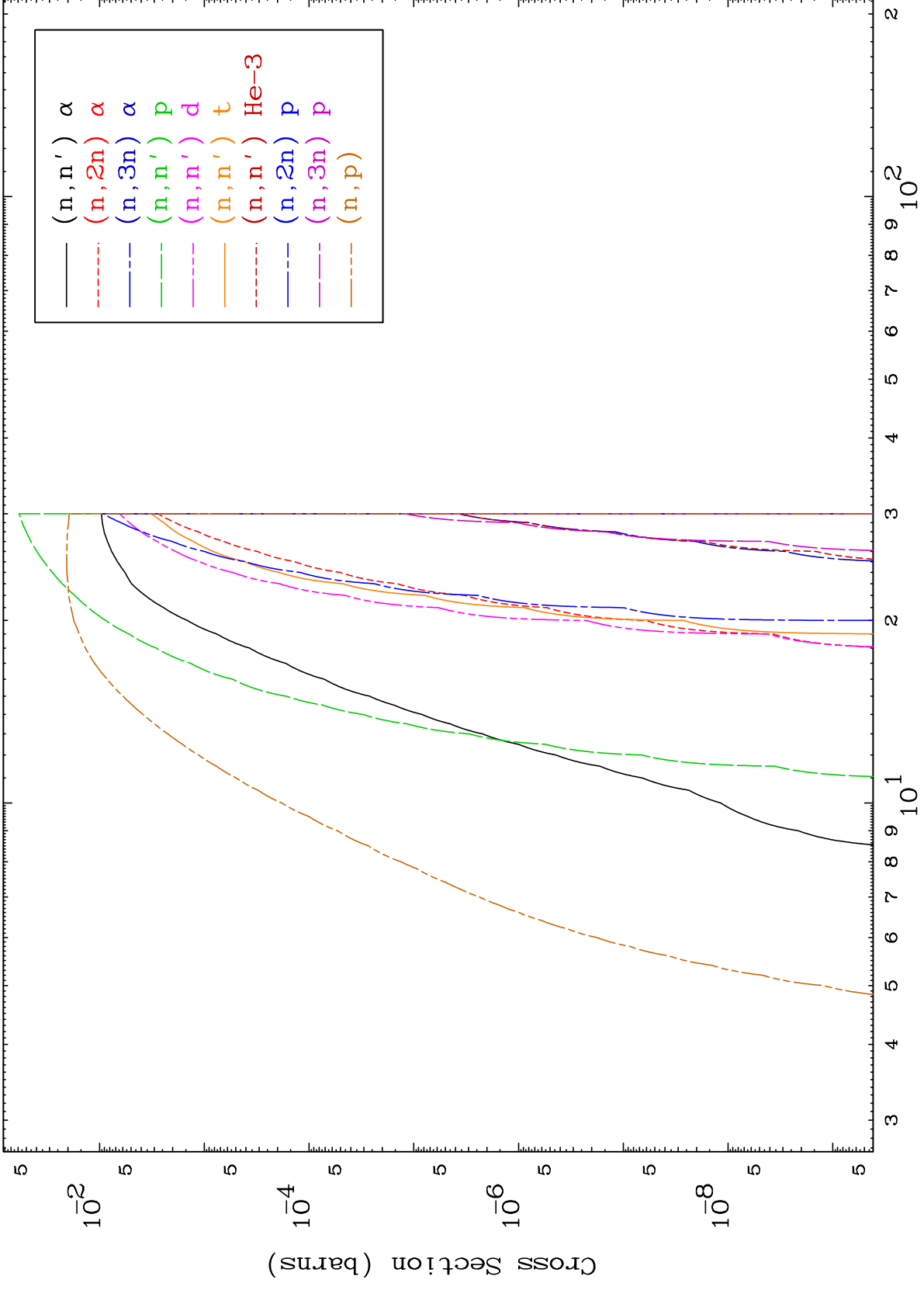


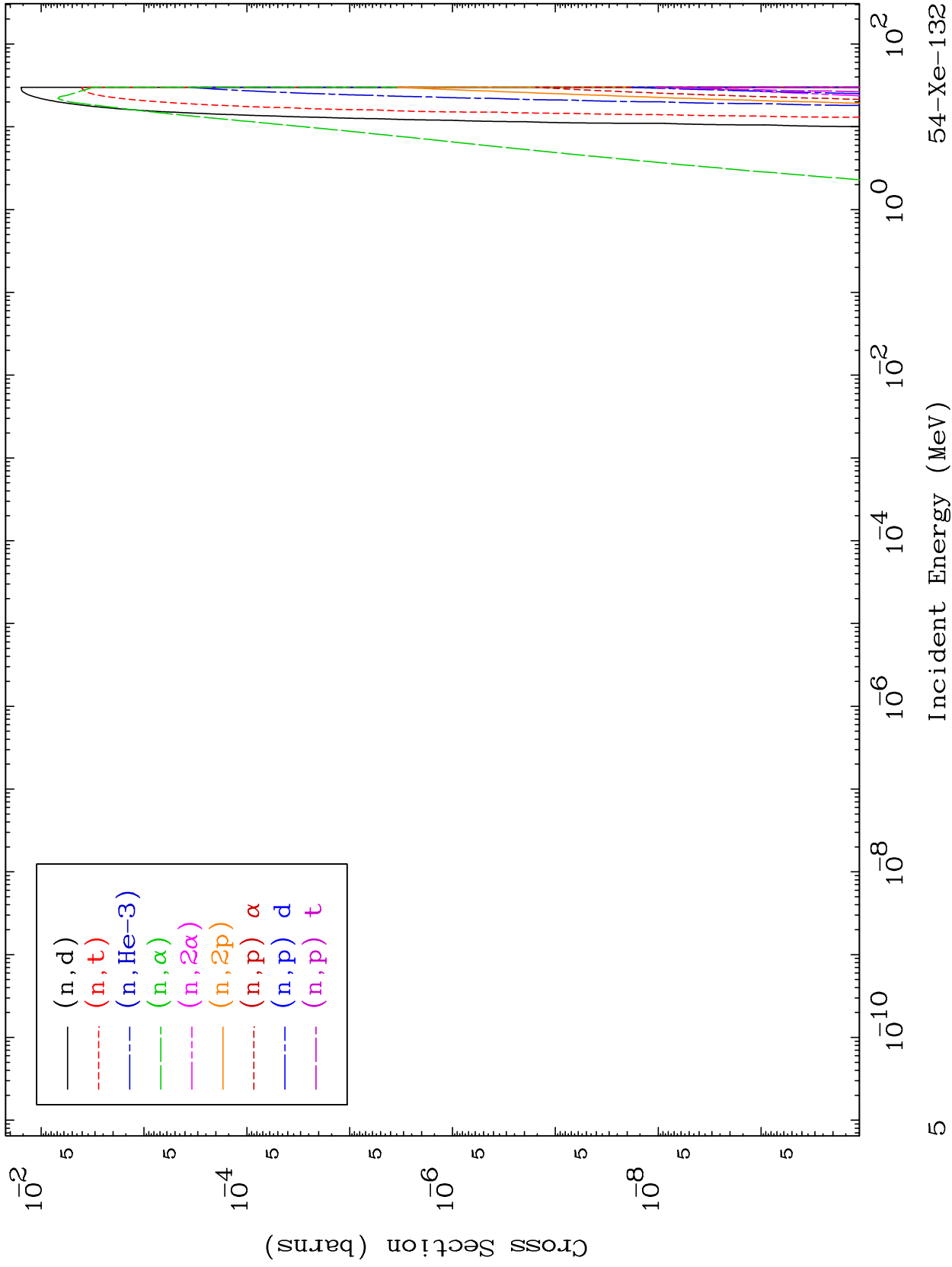
Neutron Production  
293 Kelvin Cross Sections



Incident Energy (MeV)



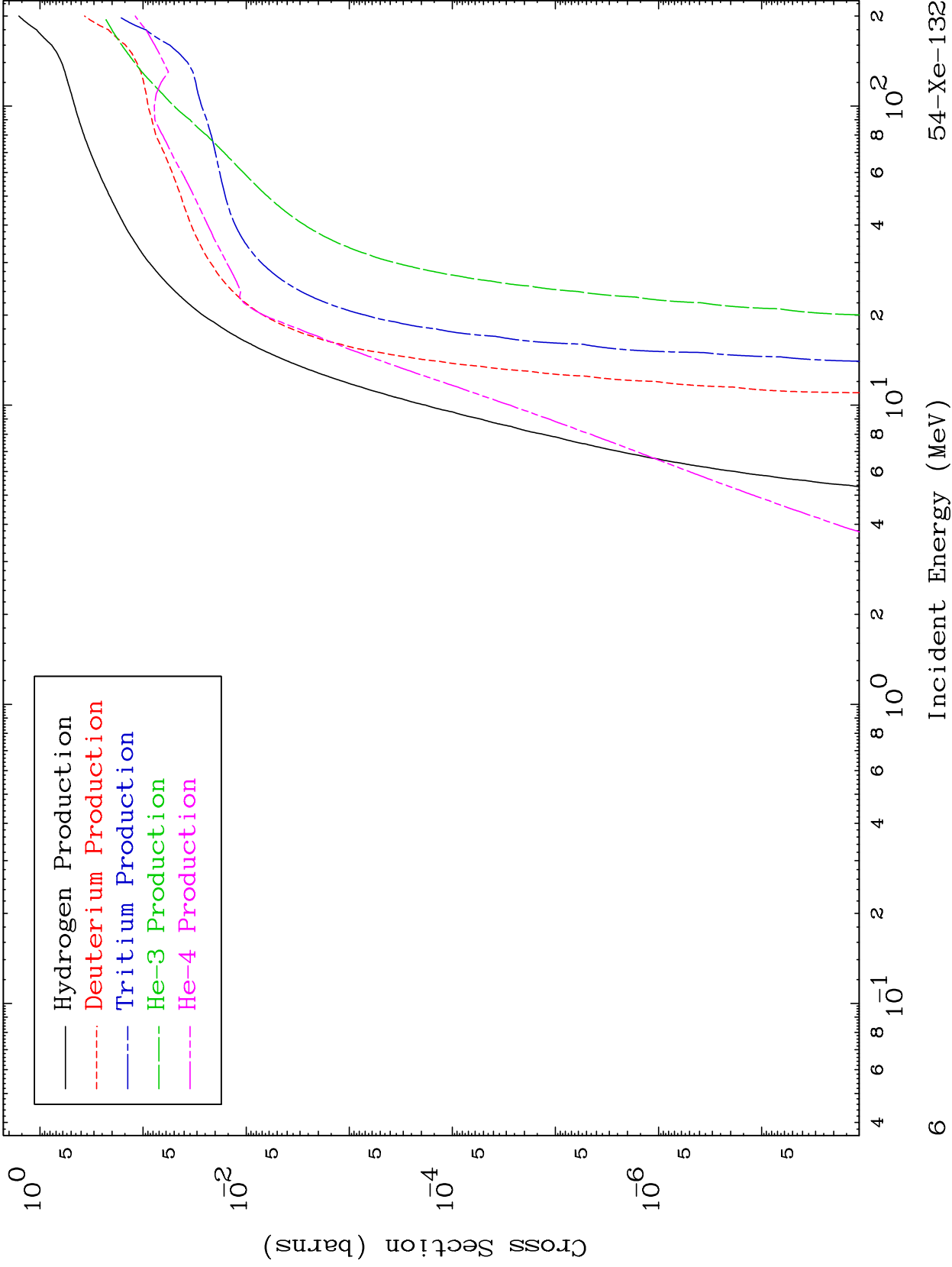




MAT 5449

Particle Production  
293 Kelvin Cross Sections

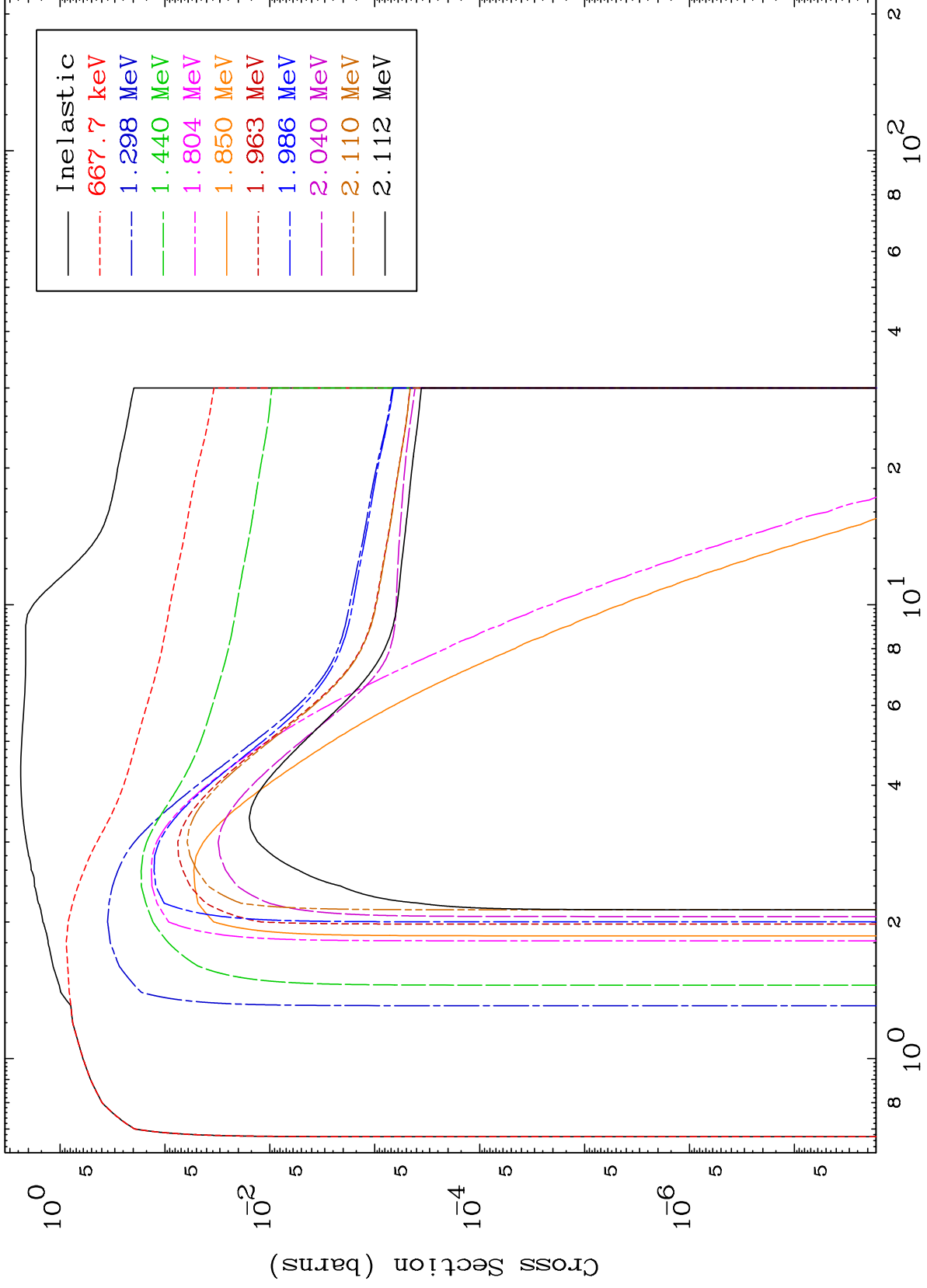
54-Xe-132



MAT 5449

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-132



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Incident Energy (MeV)

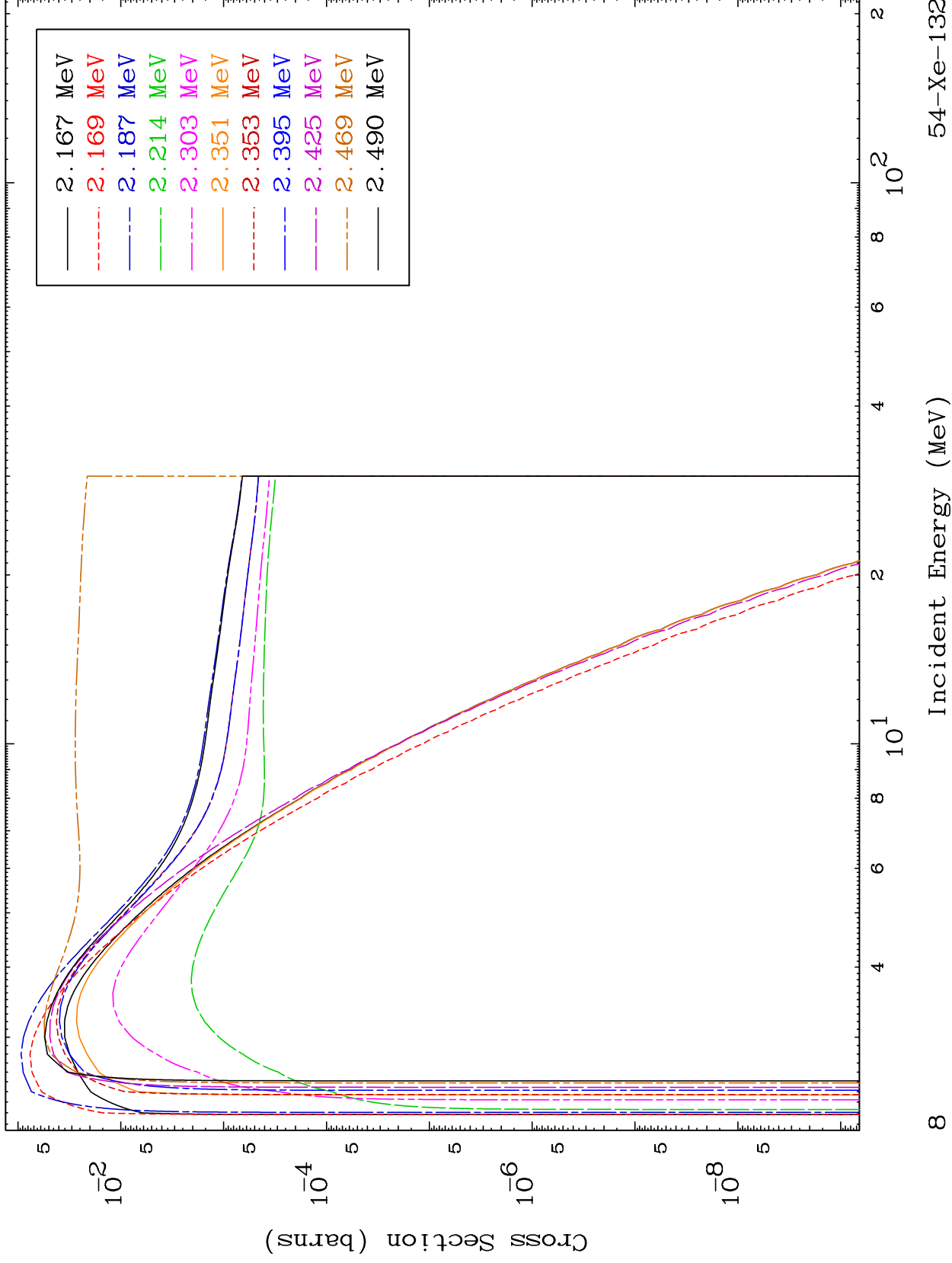
54-Xe-132



MAT 5449

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-132



8

Incident Energy (MeV)

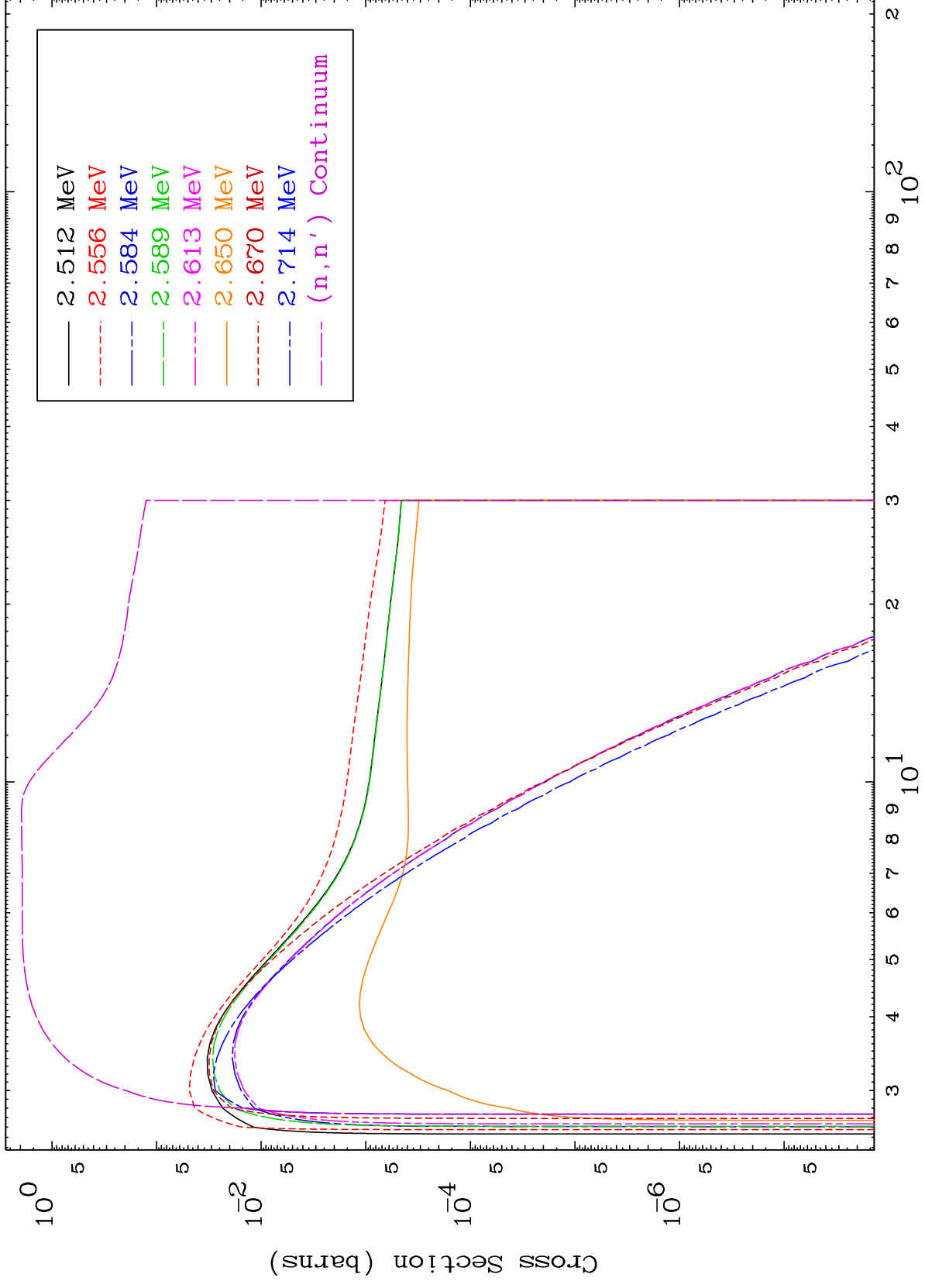
54-Xe-132

MAT 5449

(n,n') Level

54-Xe-132

293 Kelvin Cross Sections



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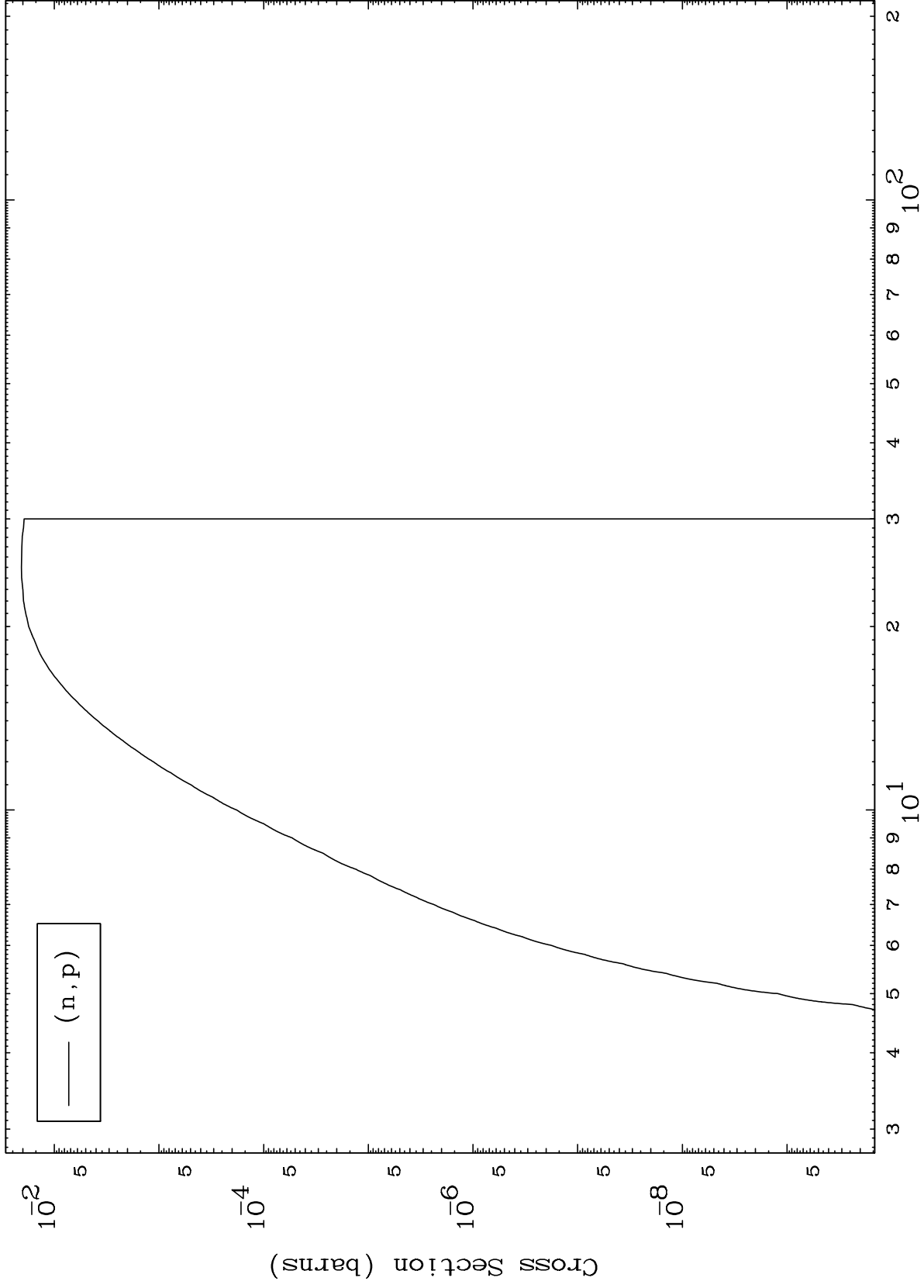
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-132



10

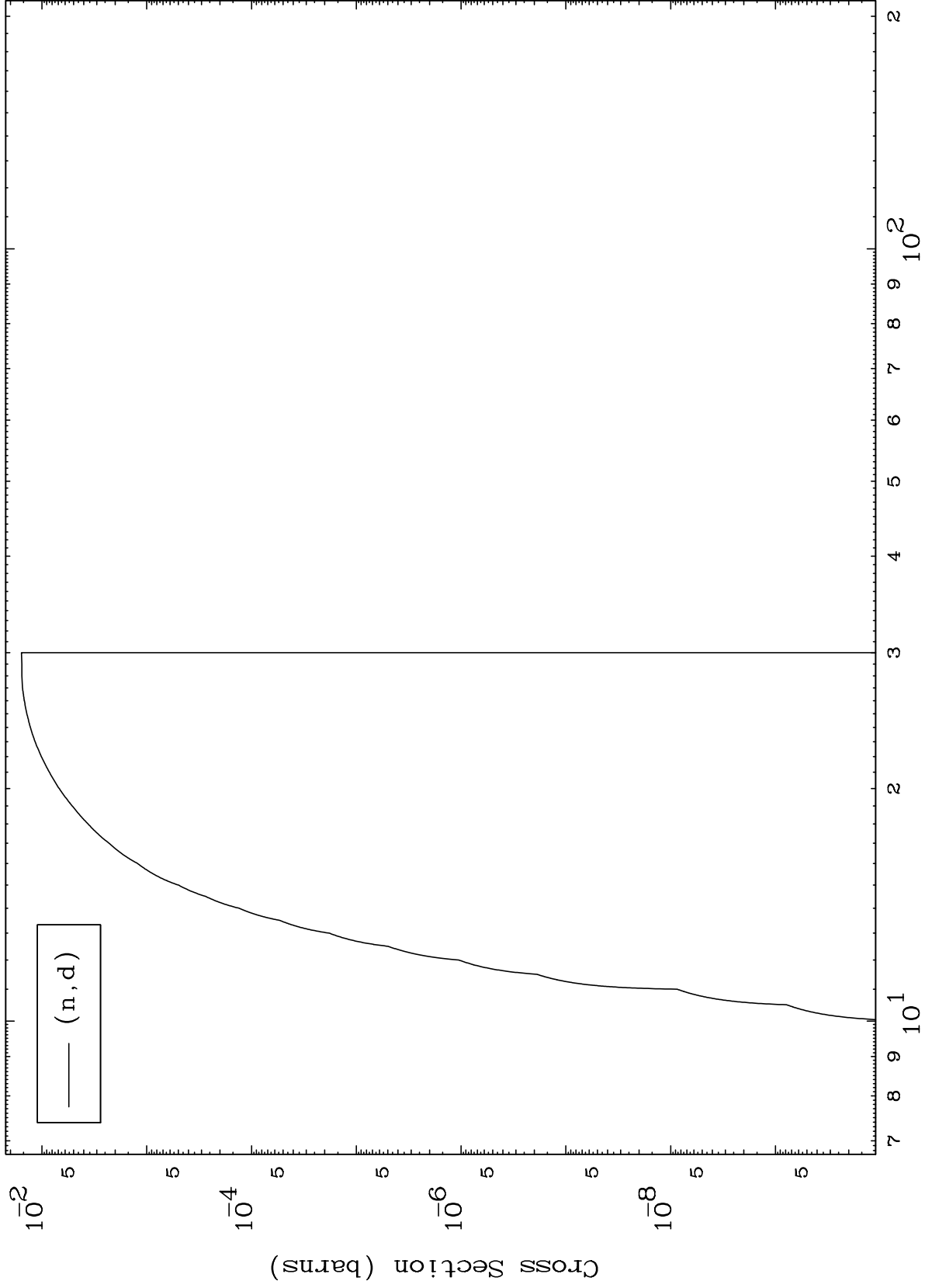
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-132



11

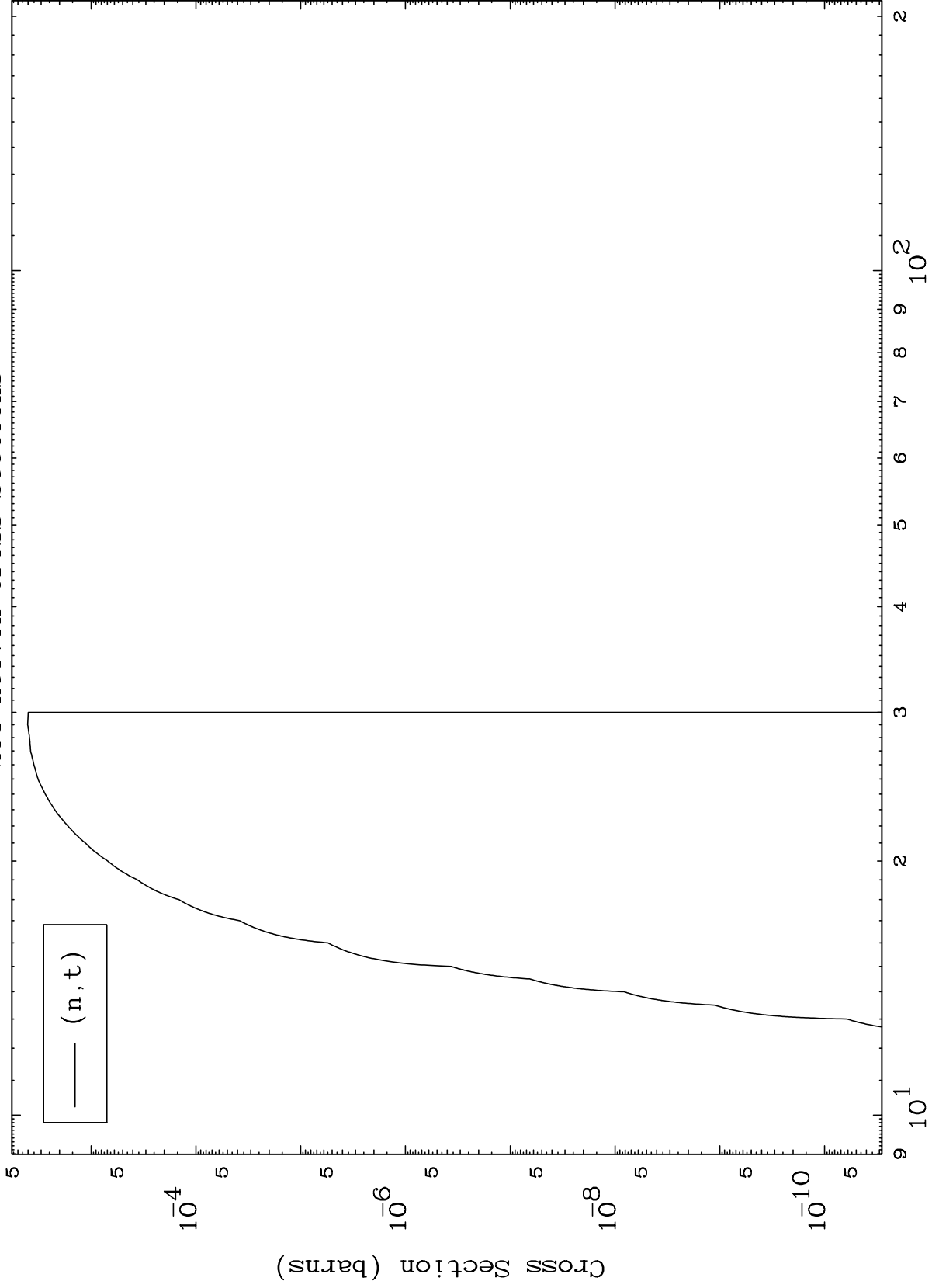
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-132



12

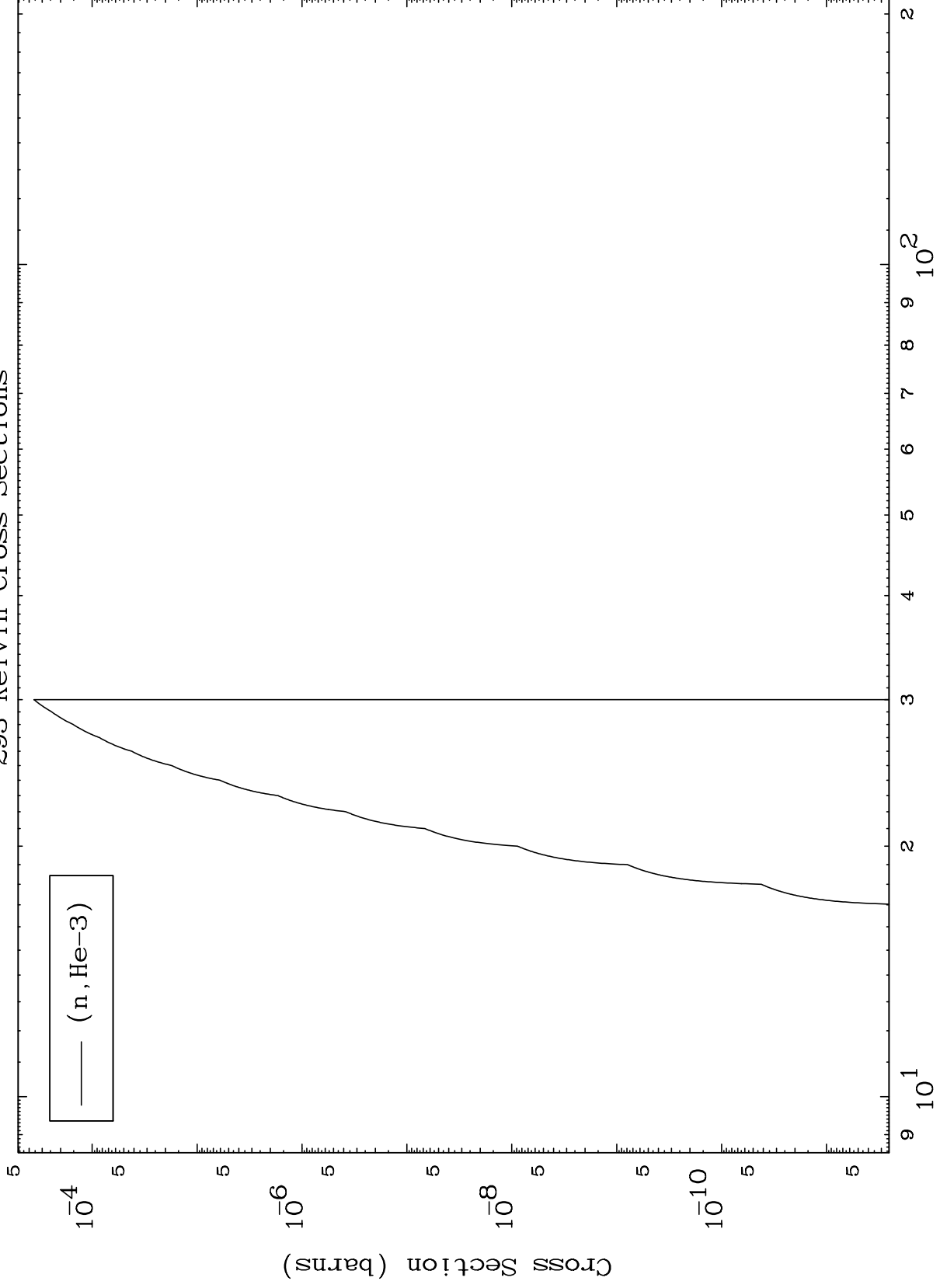
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-132



(n, He-3)

13

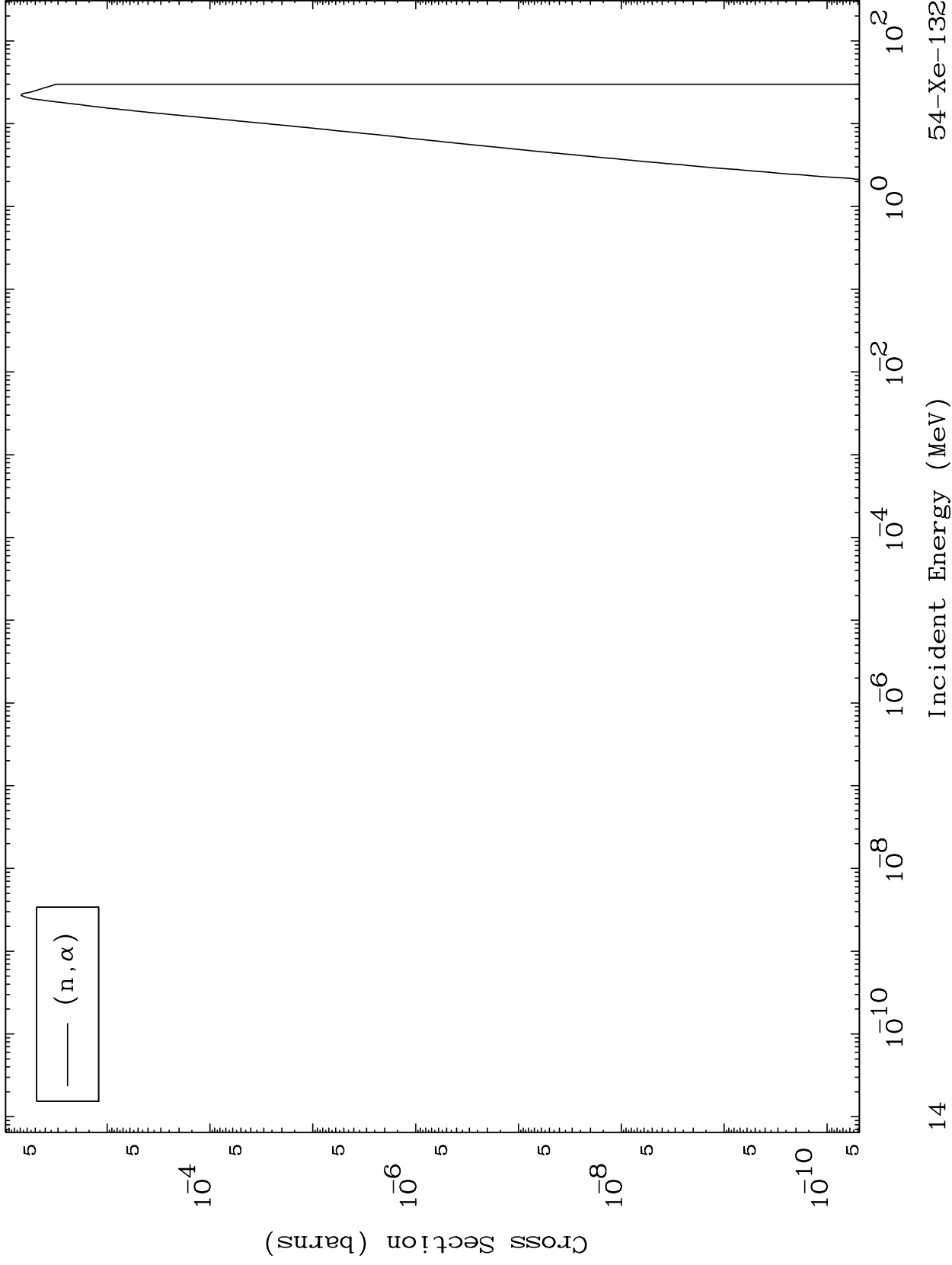
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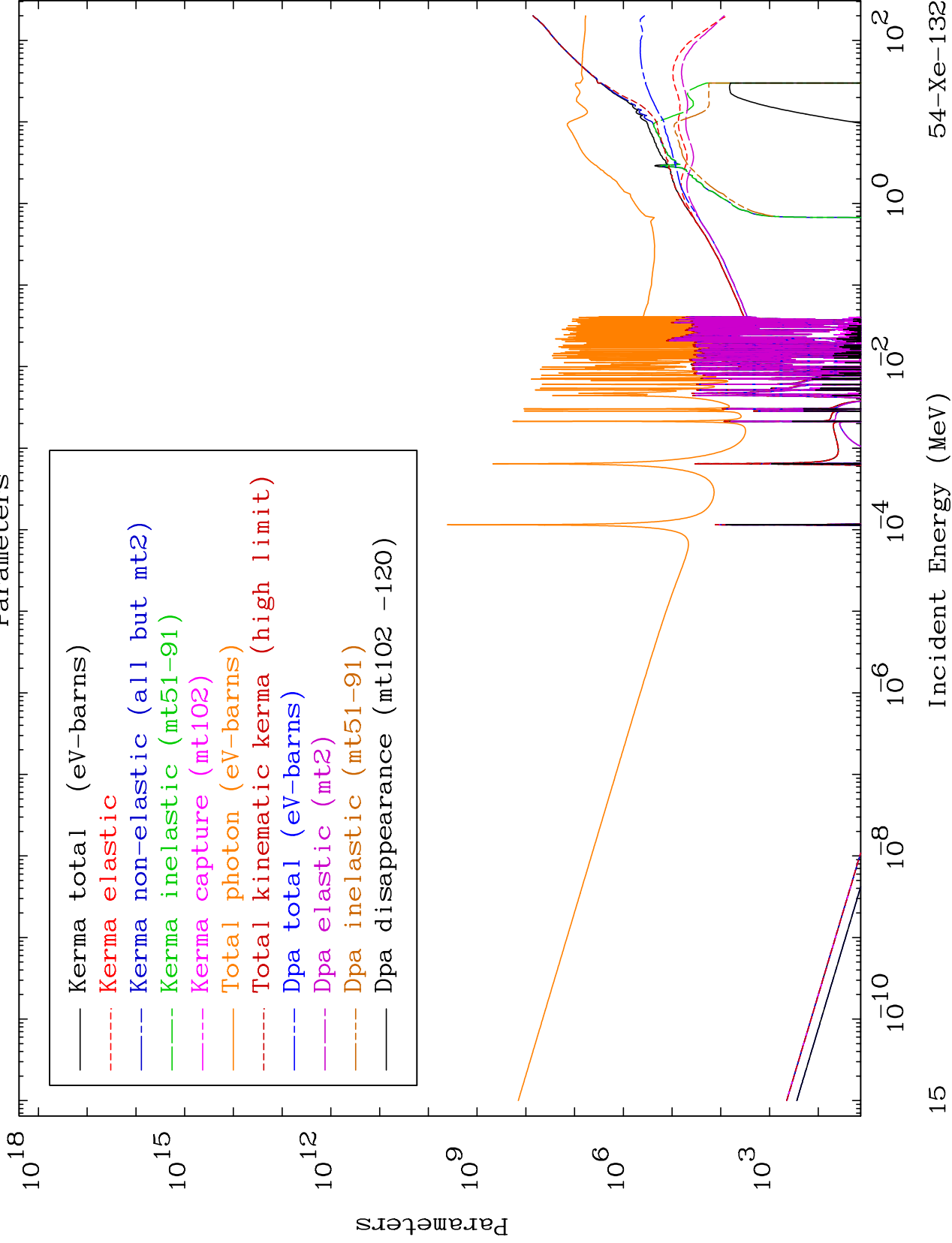
54-Xe-132

MAT 5449

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

54-Xe-132



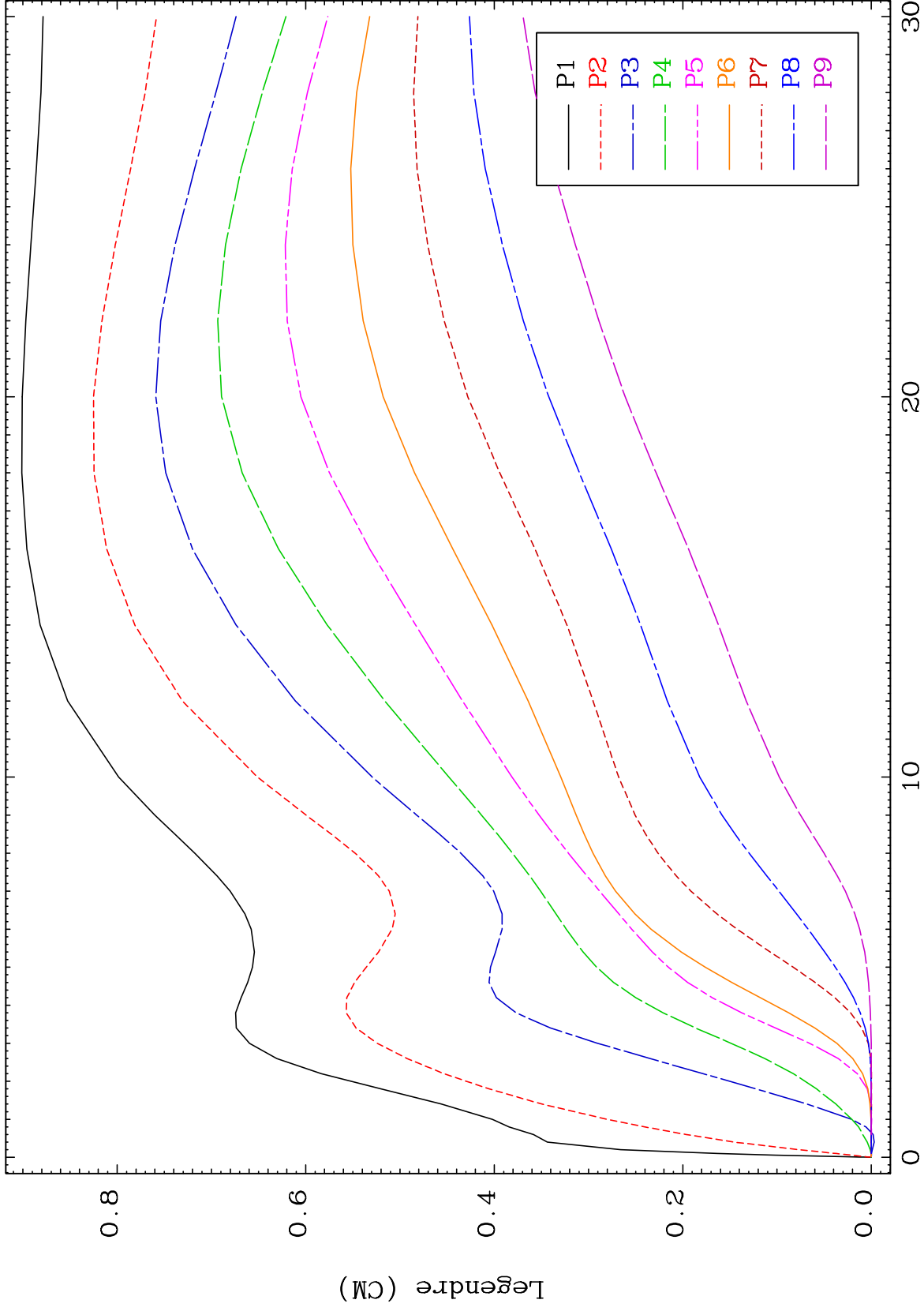




MAT 5449

Elastic Legendre Coefficients

54-Xe-132



16

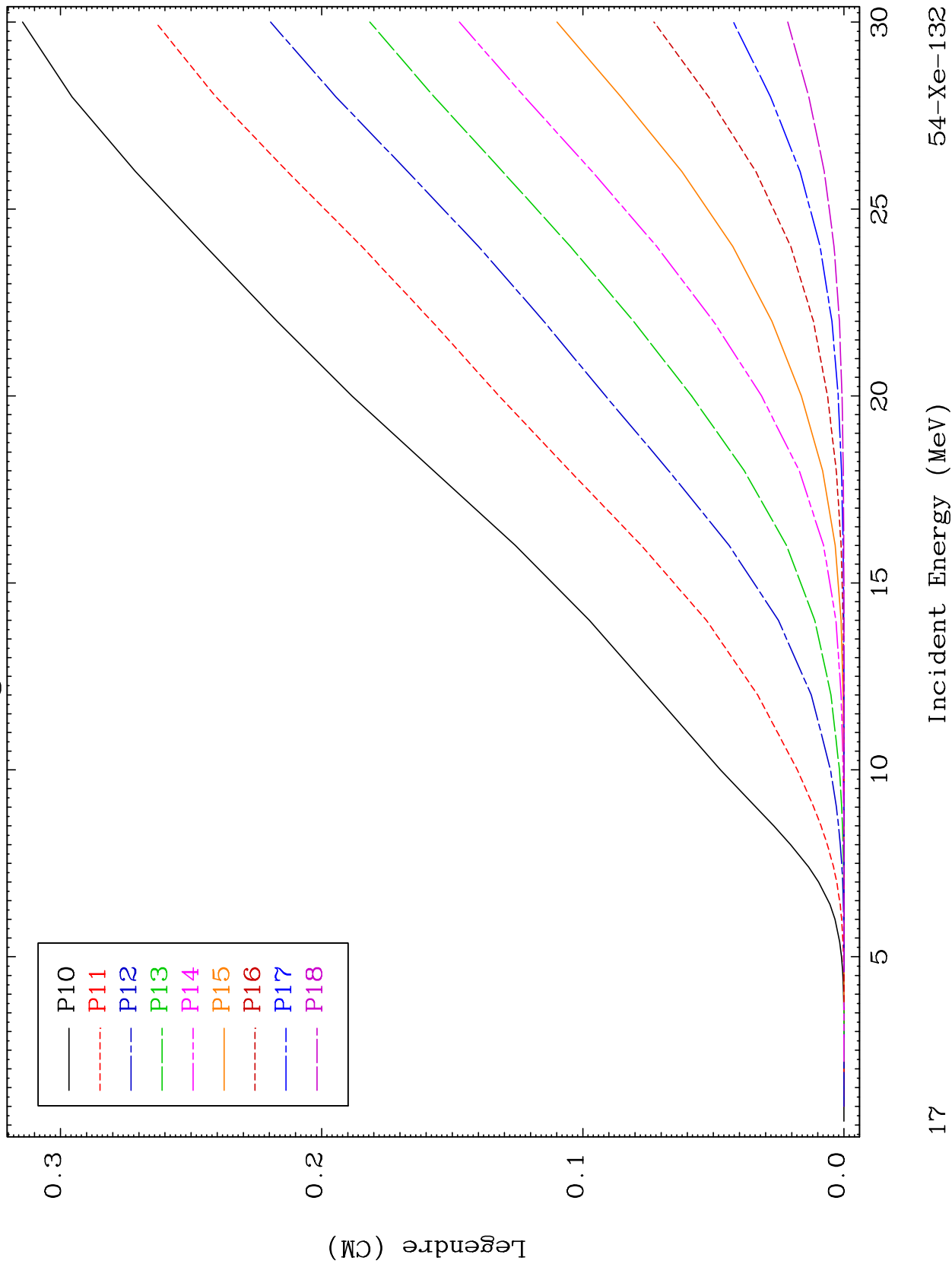
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132

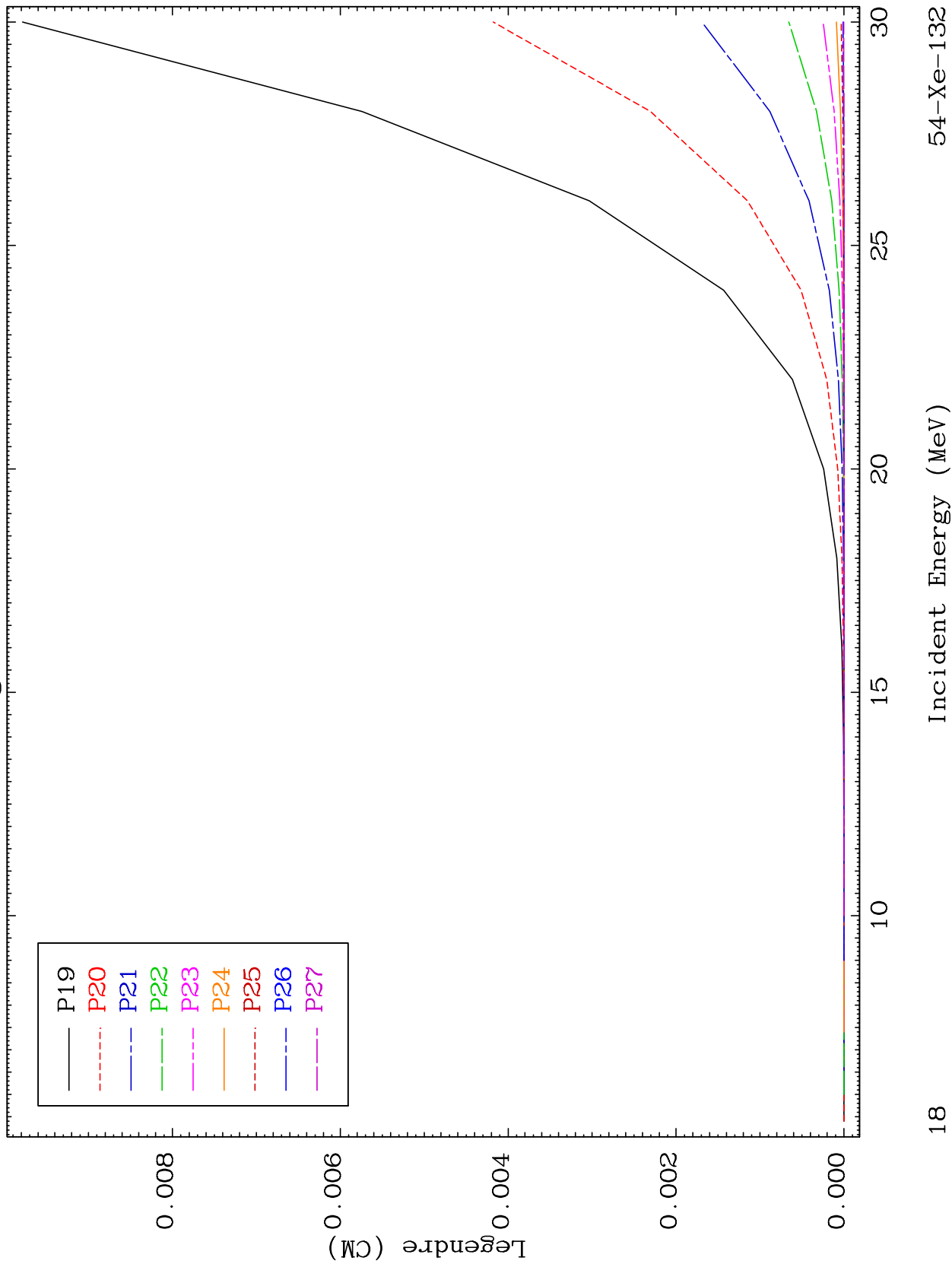


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MAT 5449

### Elastic Legendre Coefficients

54-Xe-132



18

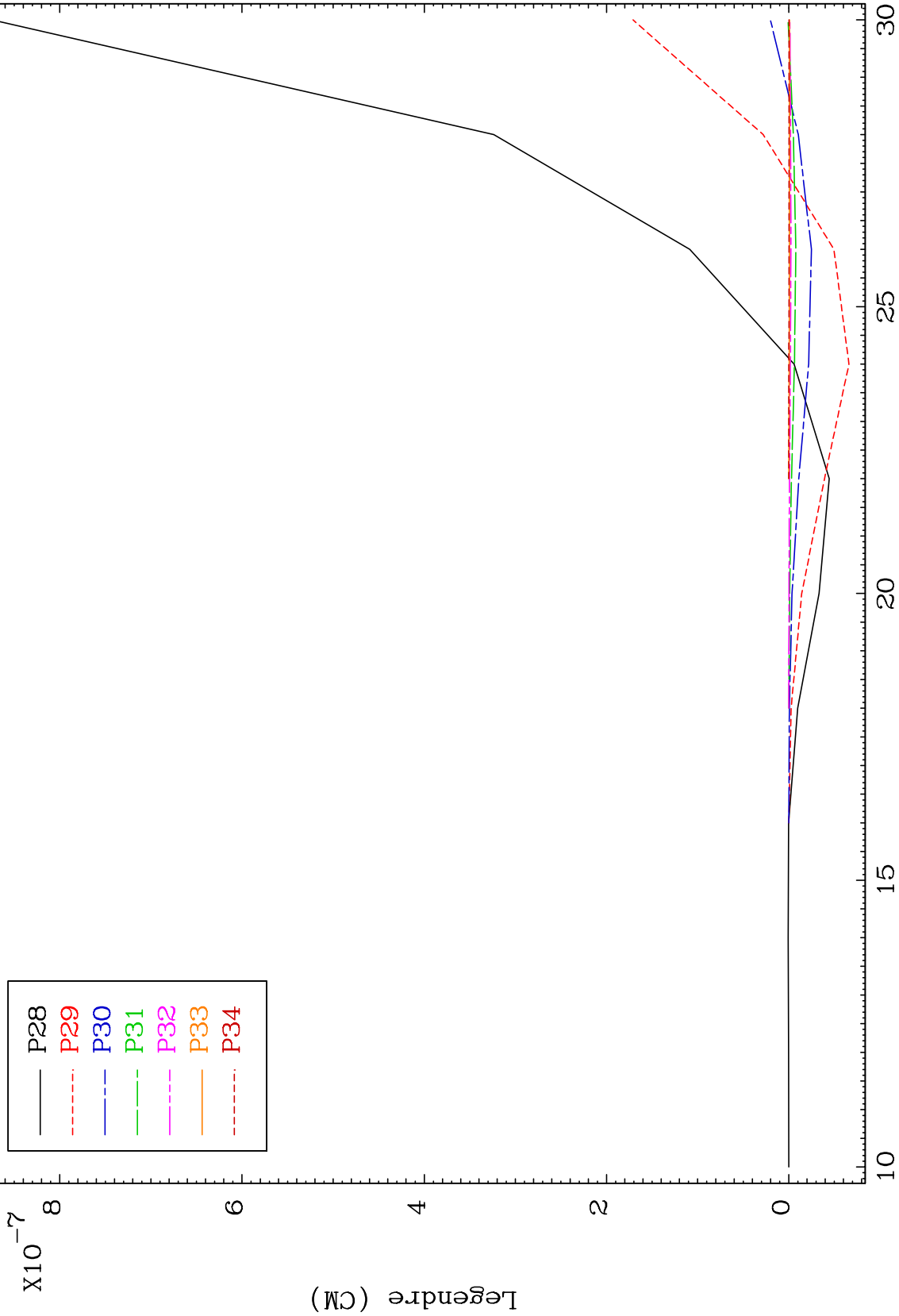
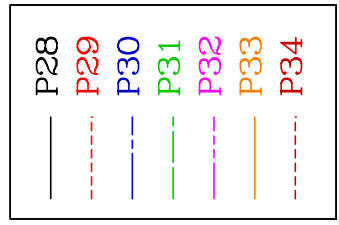
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic  
Legendre Coefficients

54-Xe-132



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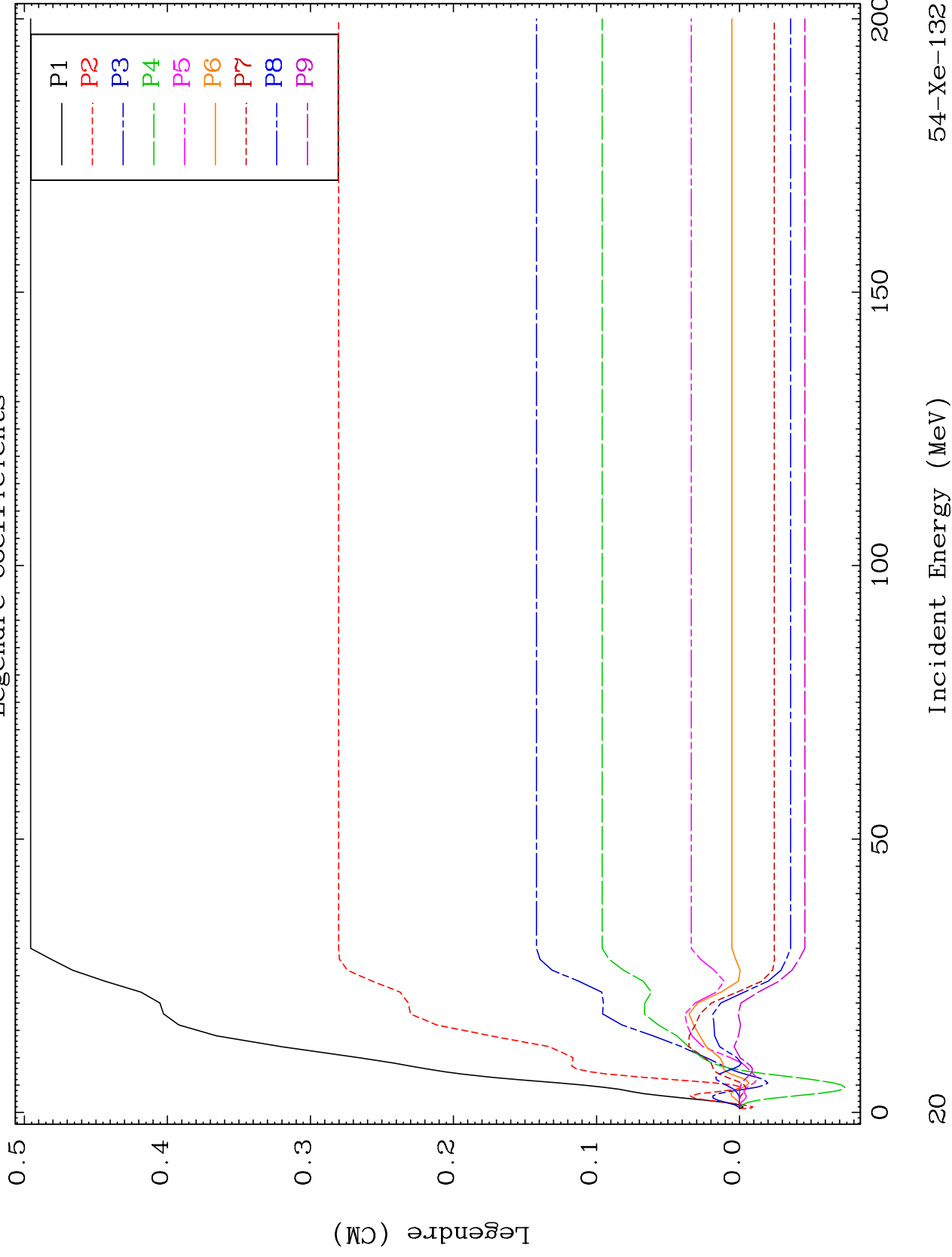
Incident Energy (MeV)

54-Xe-132

MAT 5449

667.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

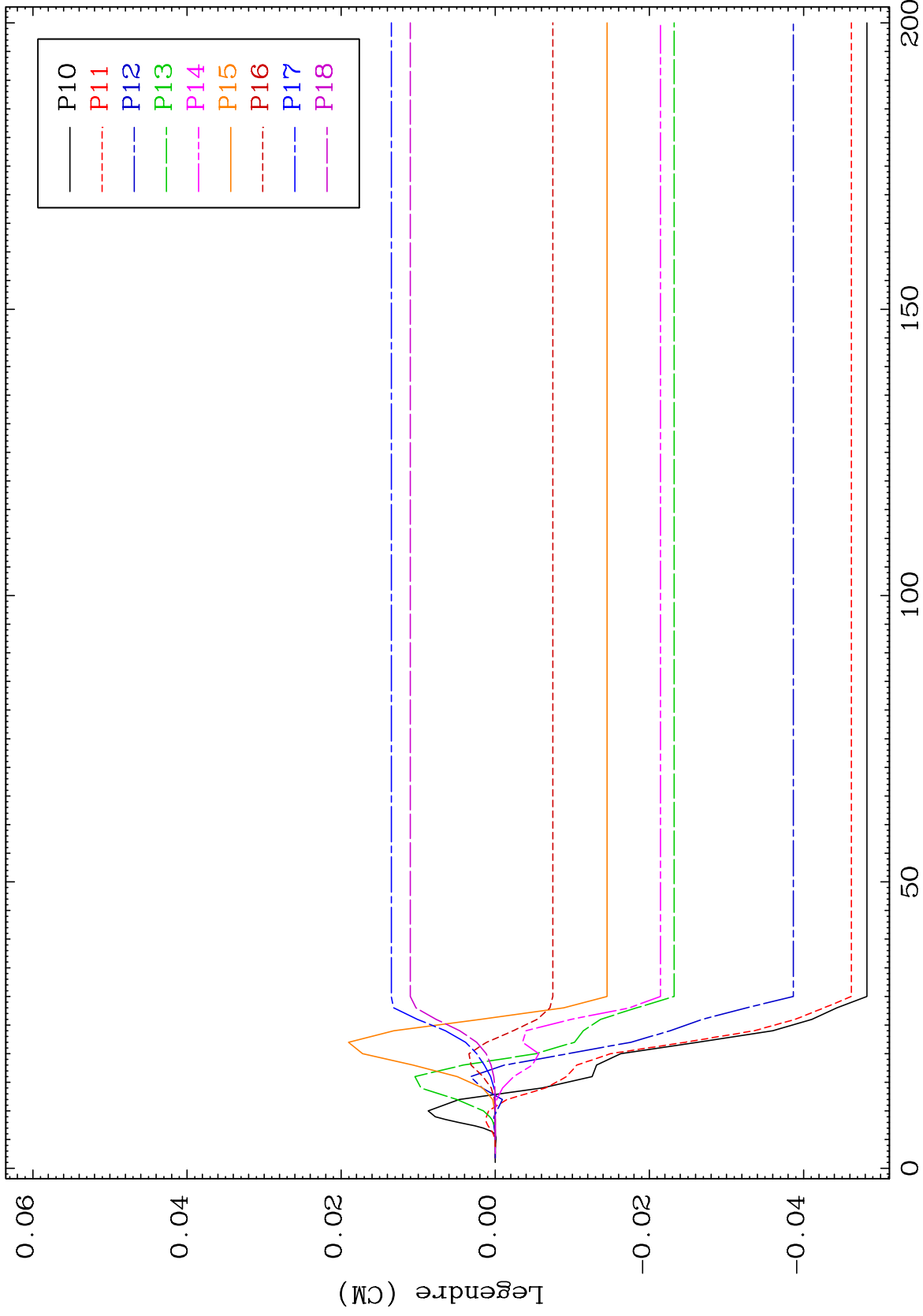
Incident Energy (MeV)

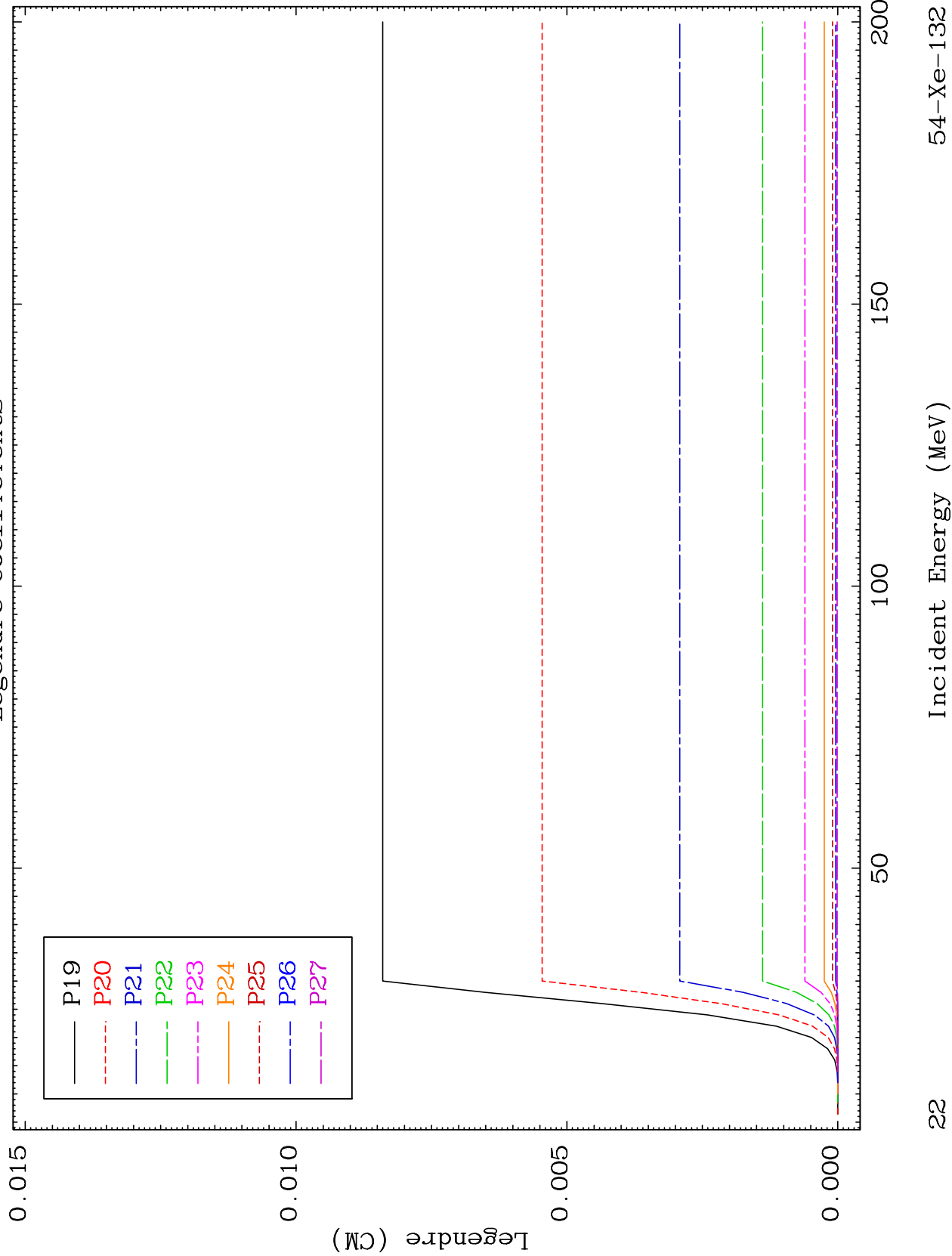
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MAT 5449

667.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-132

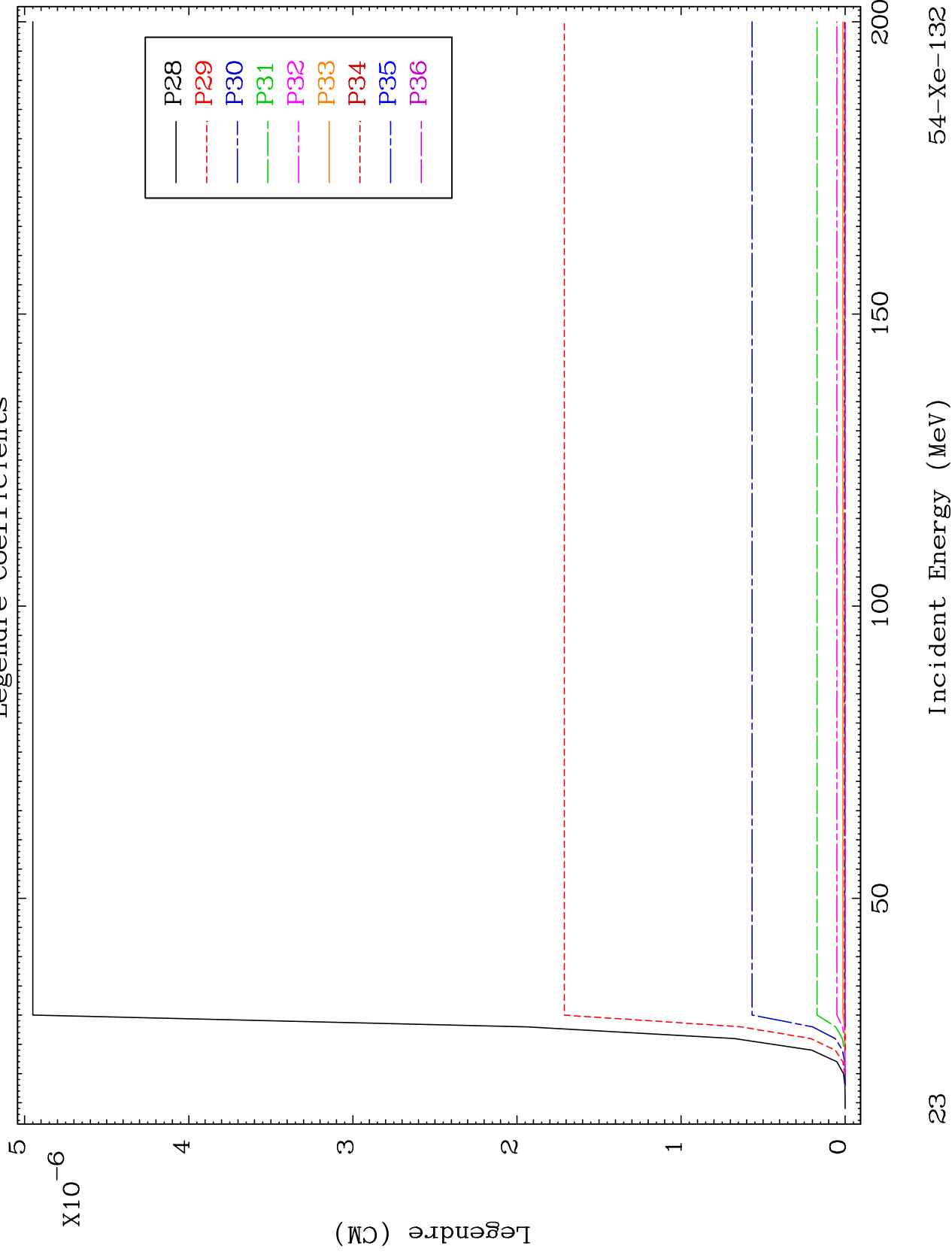




MAT 5449

667.7 keV (n, n') Level  
Legendre Coefficients

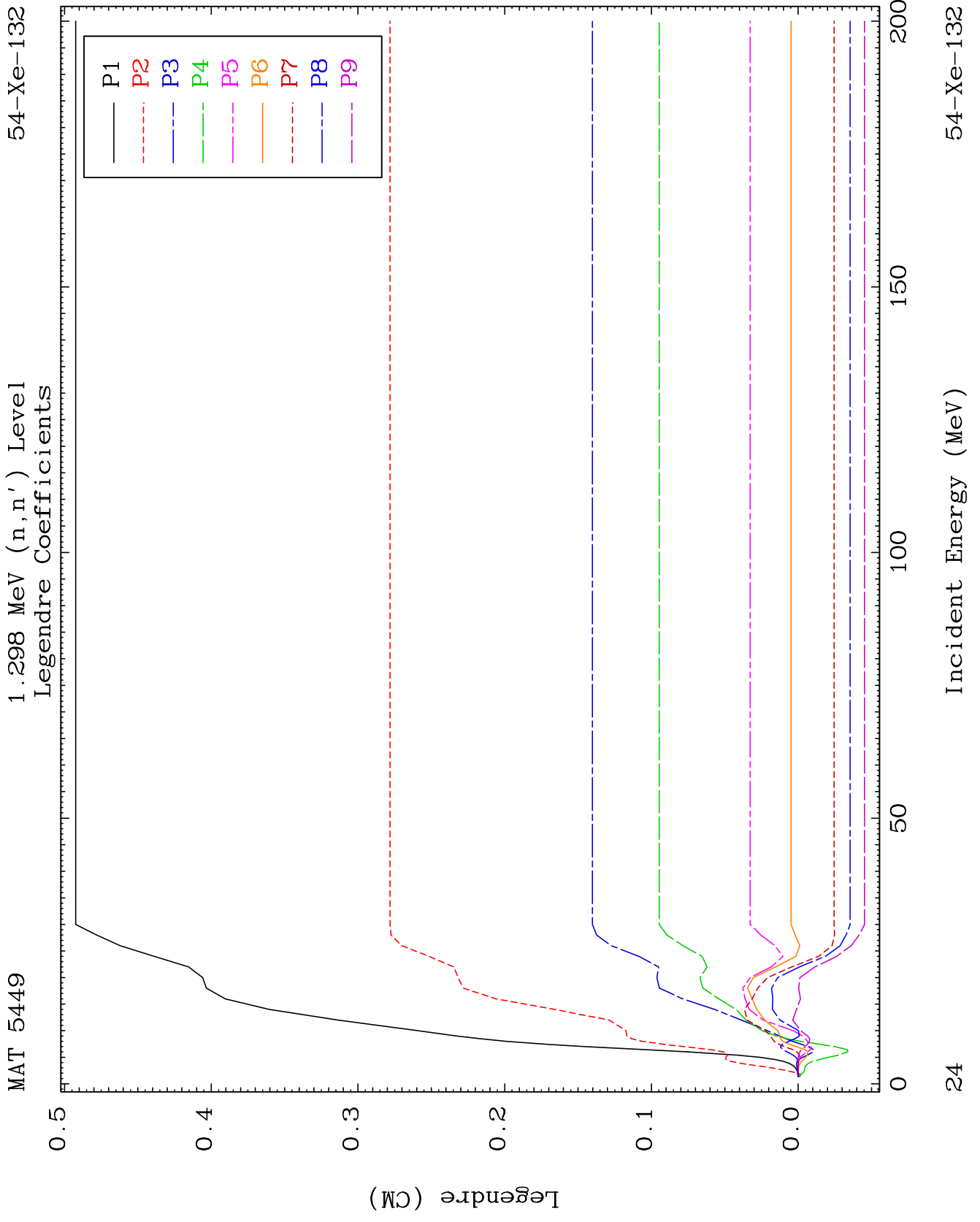
54-Xe-132



23

54-Xe-132

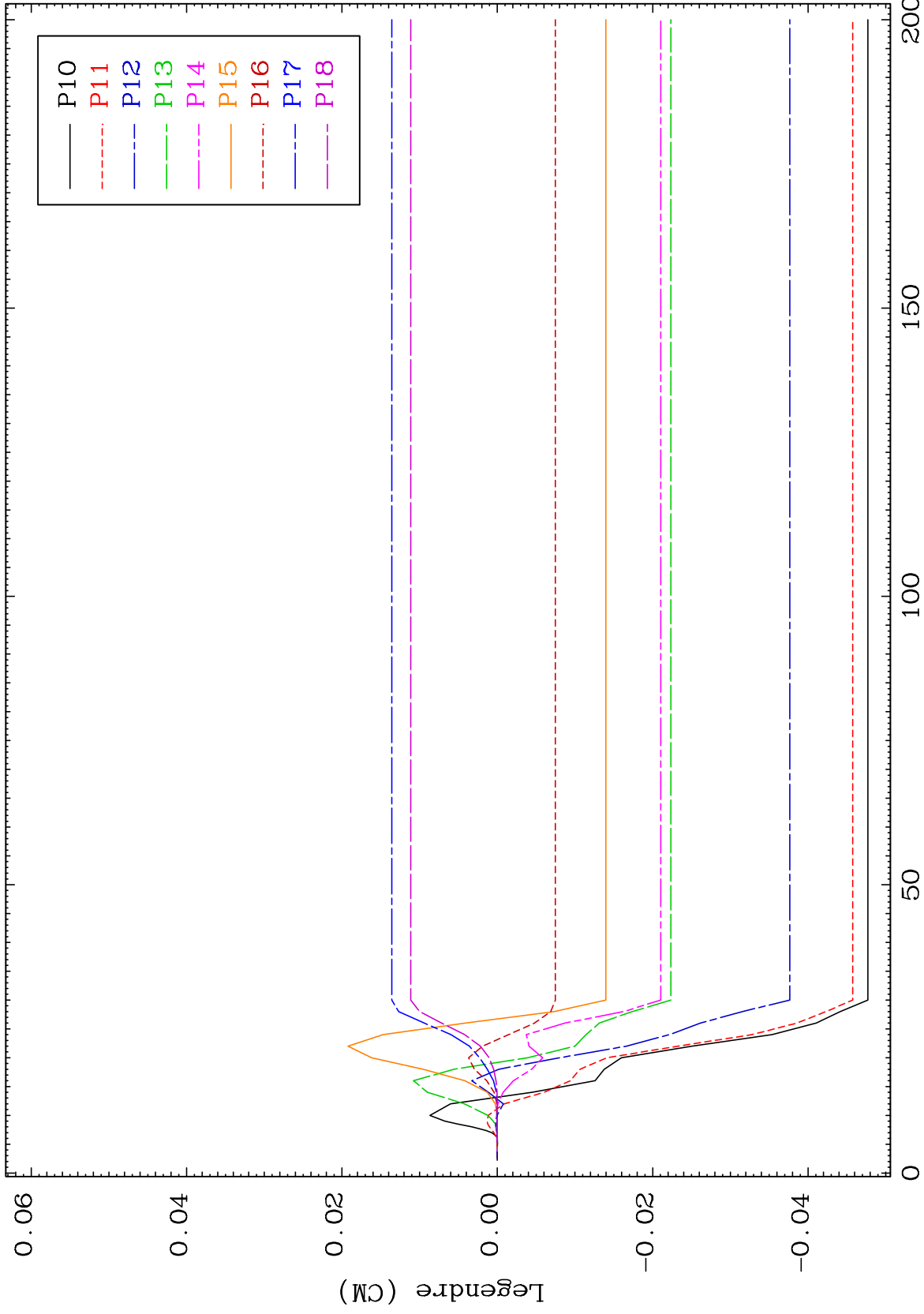




MAT 5449

1.298 MeV (n,n') Level  
Legendre Coefficients

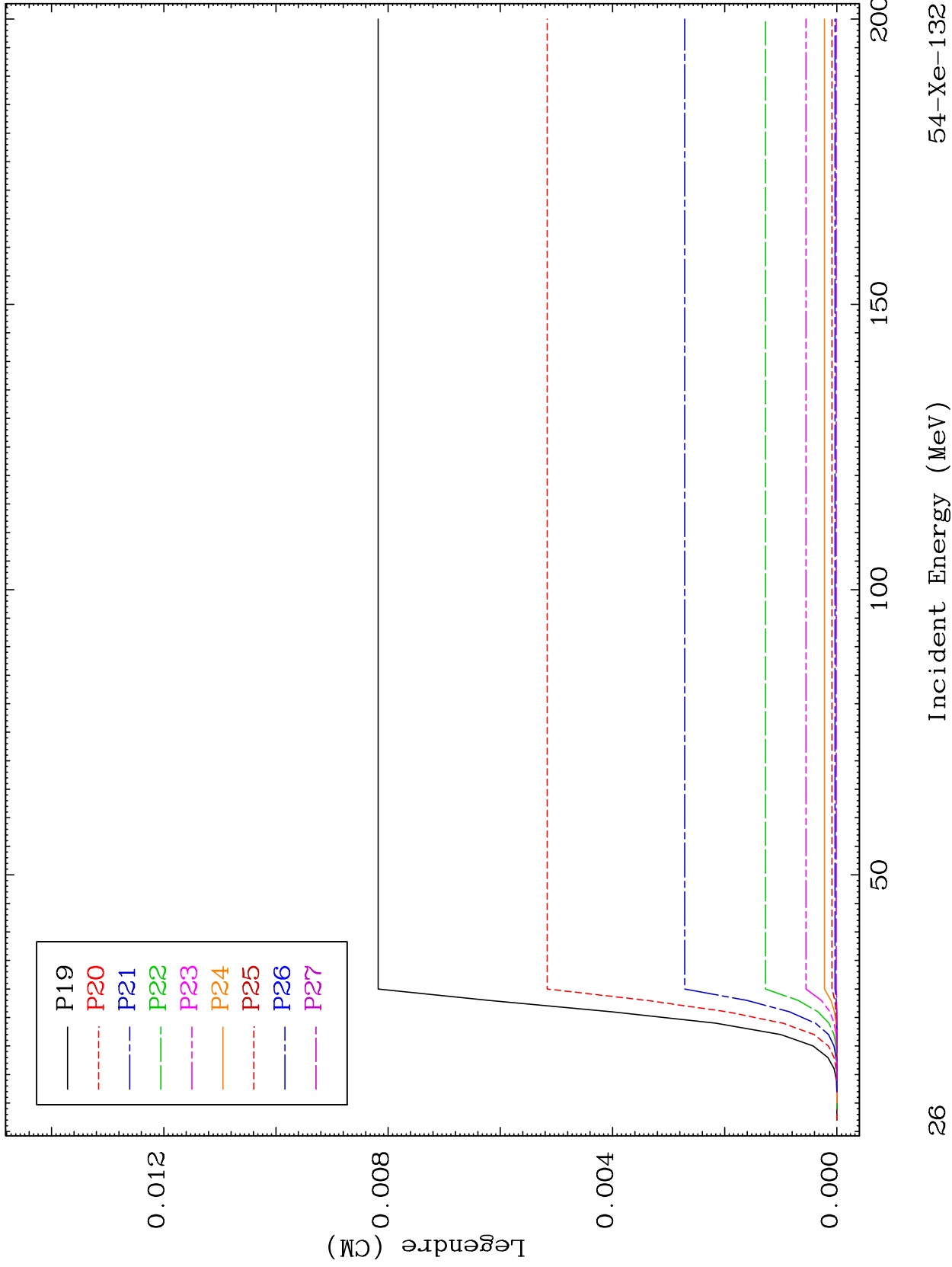
54-Xe-132



25

Incident Energy (MeV)

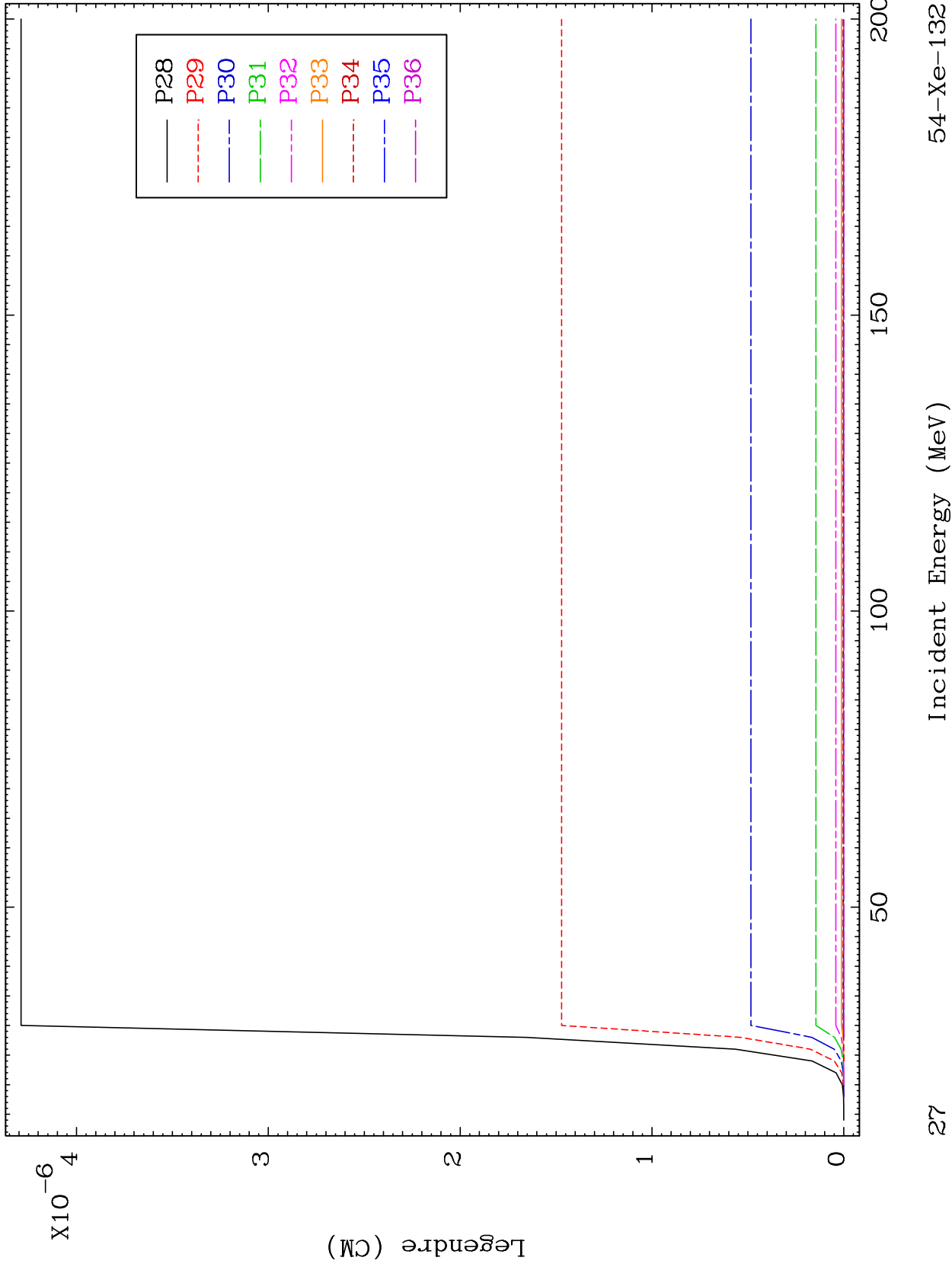
54-Xe-132



MAT 5449

1.298 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



27

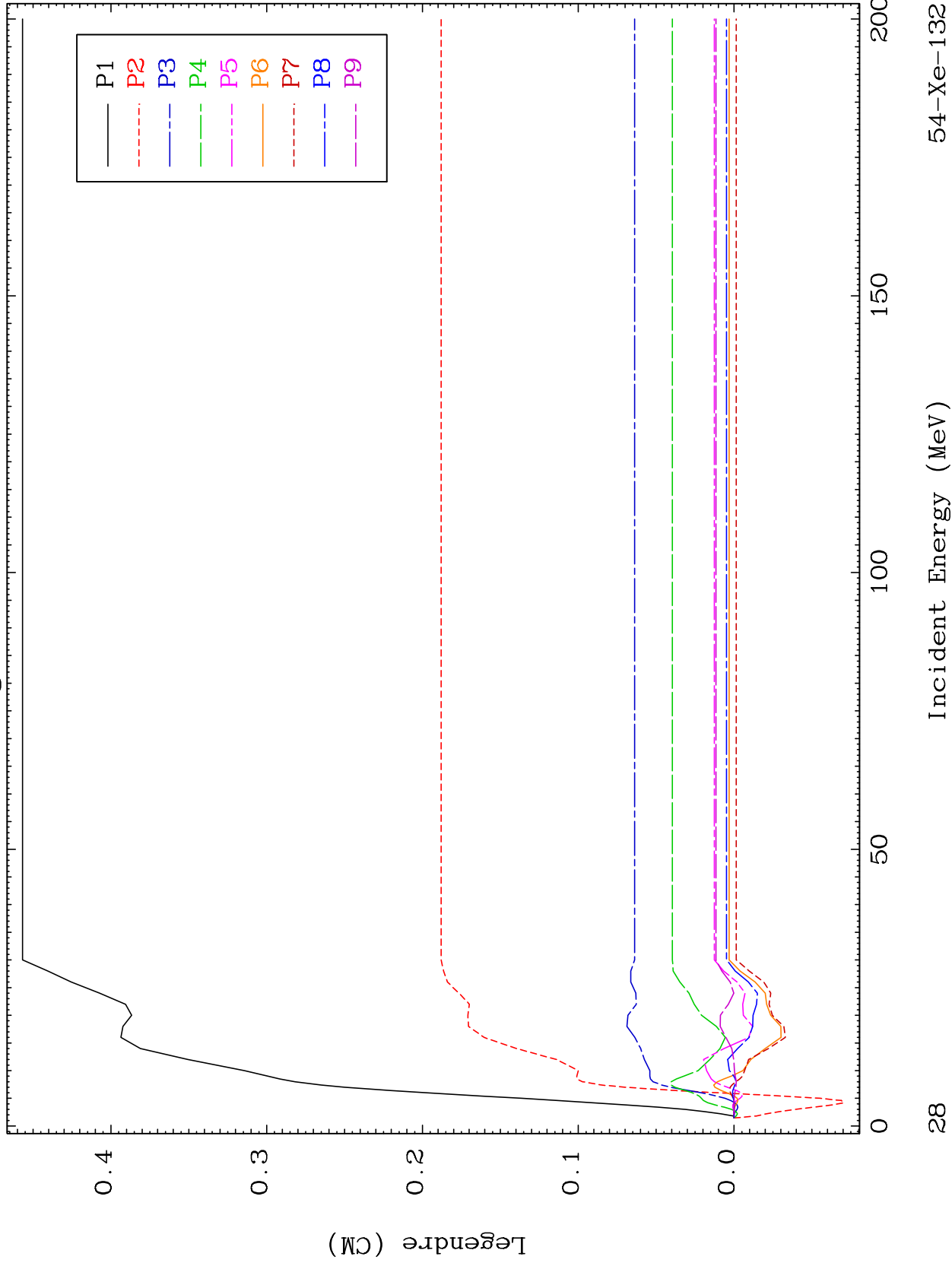
Incident Energy (MeV)

54-Xe-132

MAT 5449

1.440 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

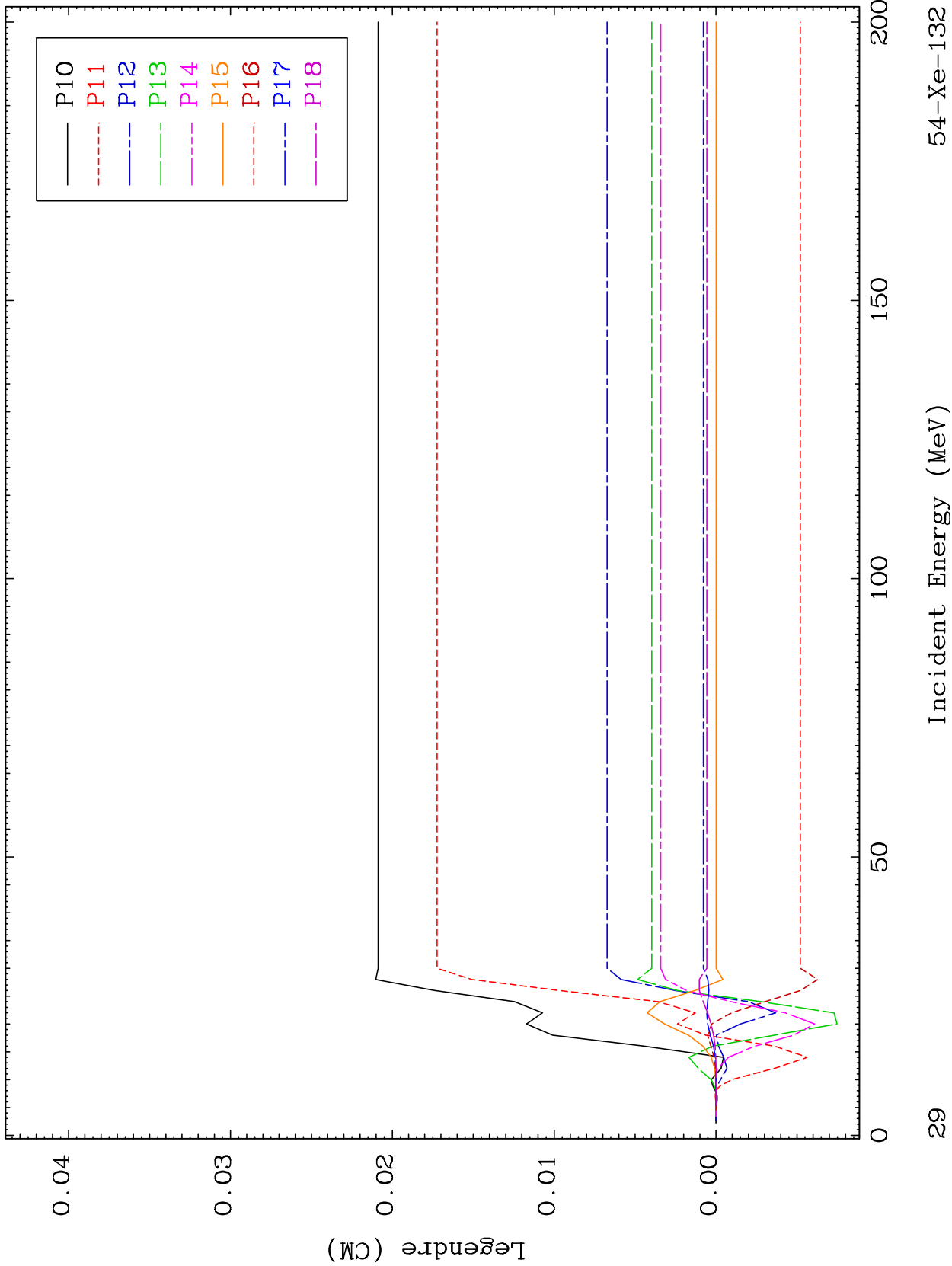
Incident Energy (MeV)

28

MAT 5449

1.440 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



29

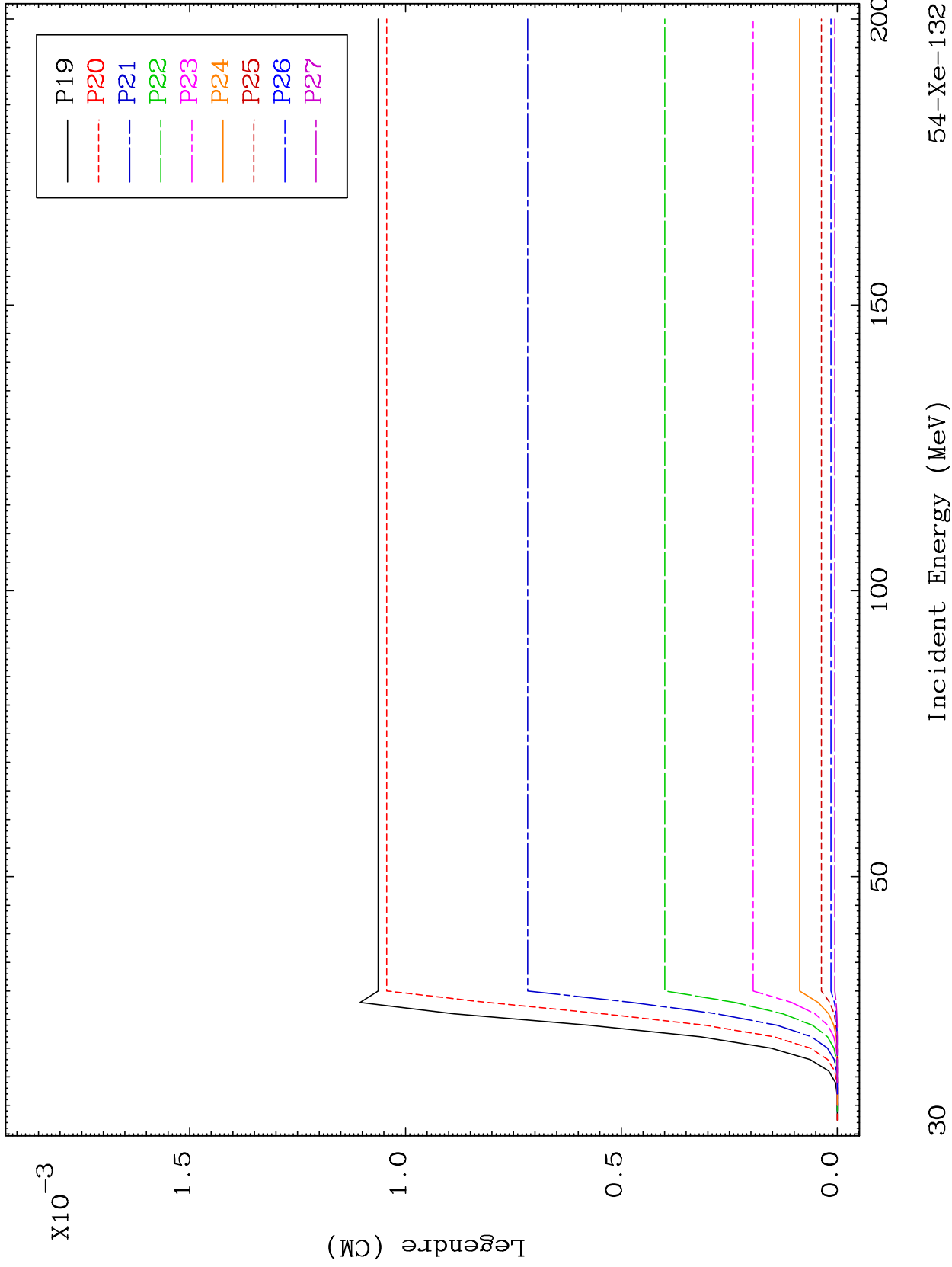
Incident Energy (MeV)

54-Xe-132

MAT 5449

1.440 MeV (n,n') Level  
Legendre Coefficients

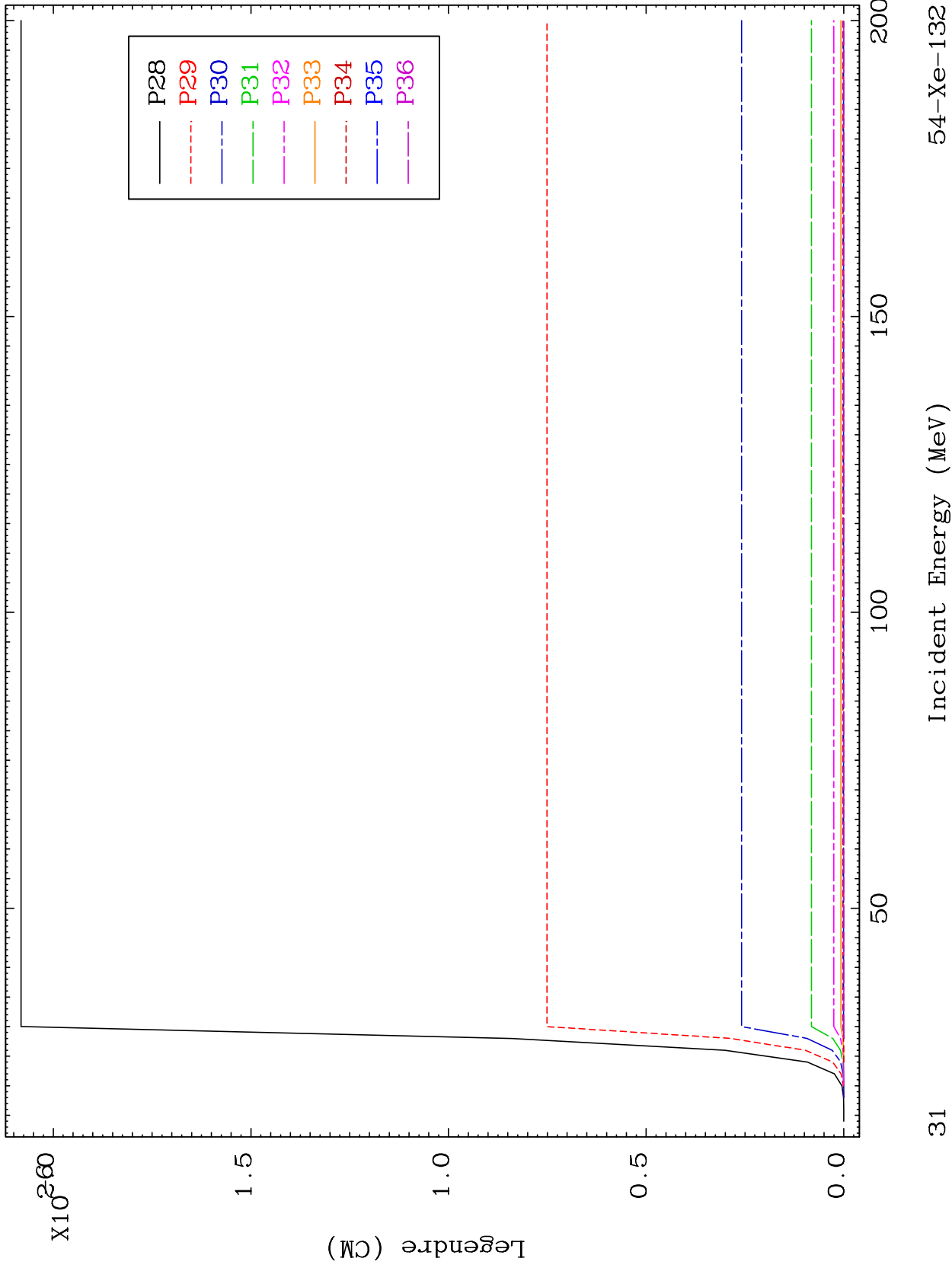
54-Xe-132



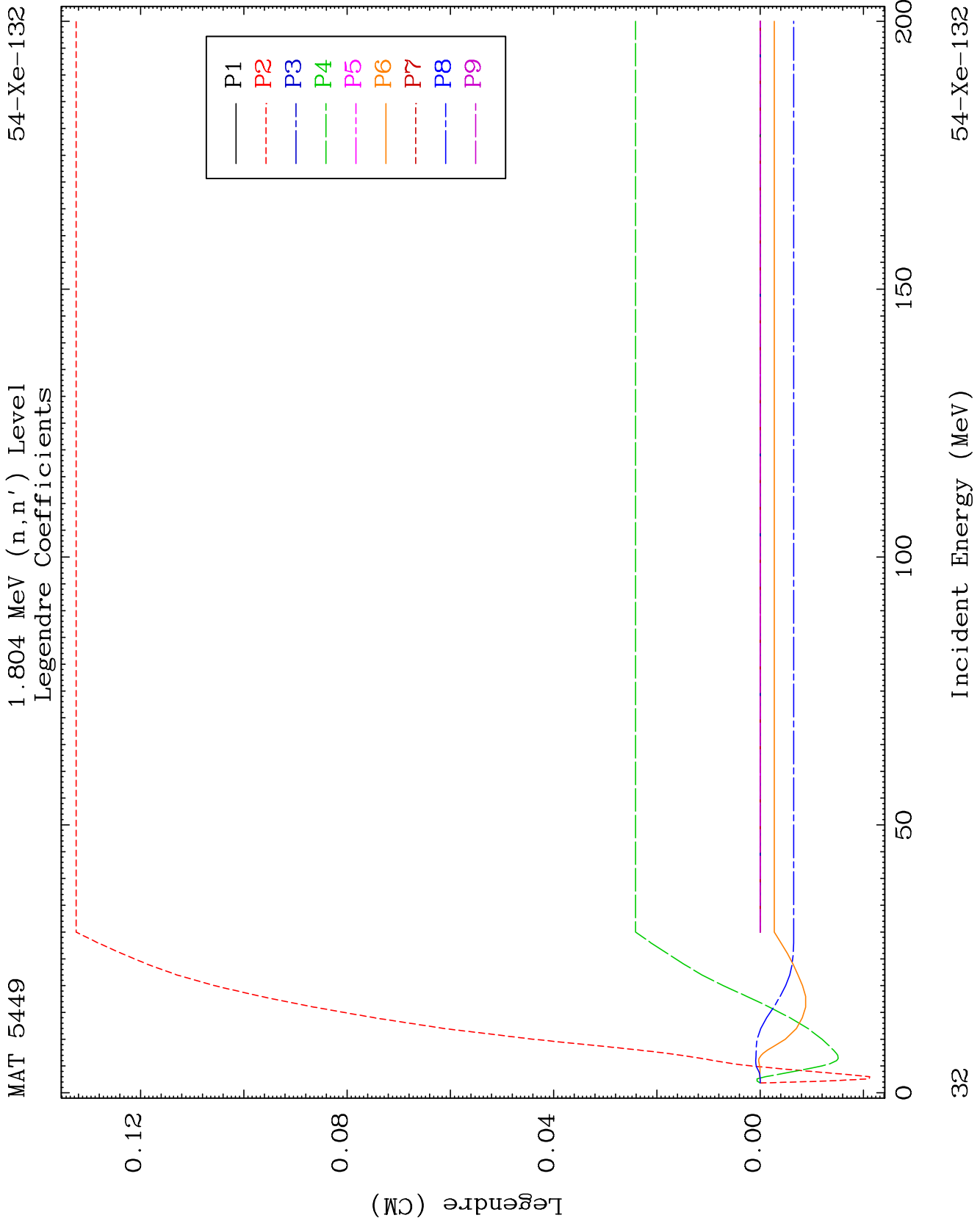
MAT 5449

1.440 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



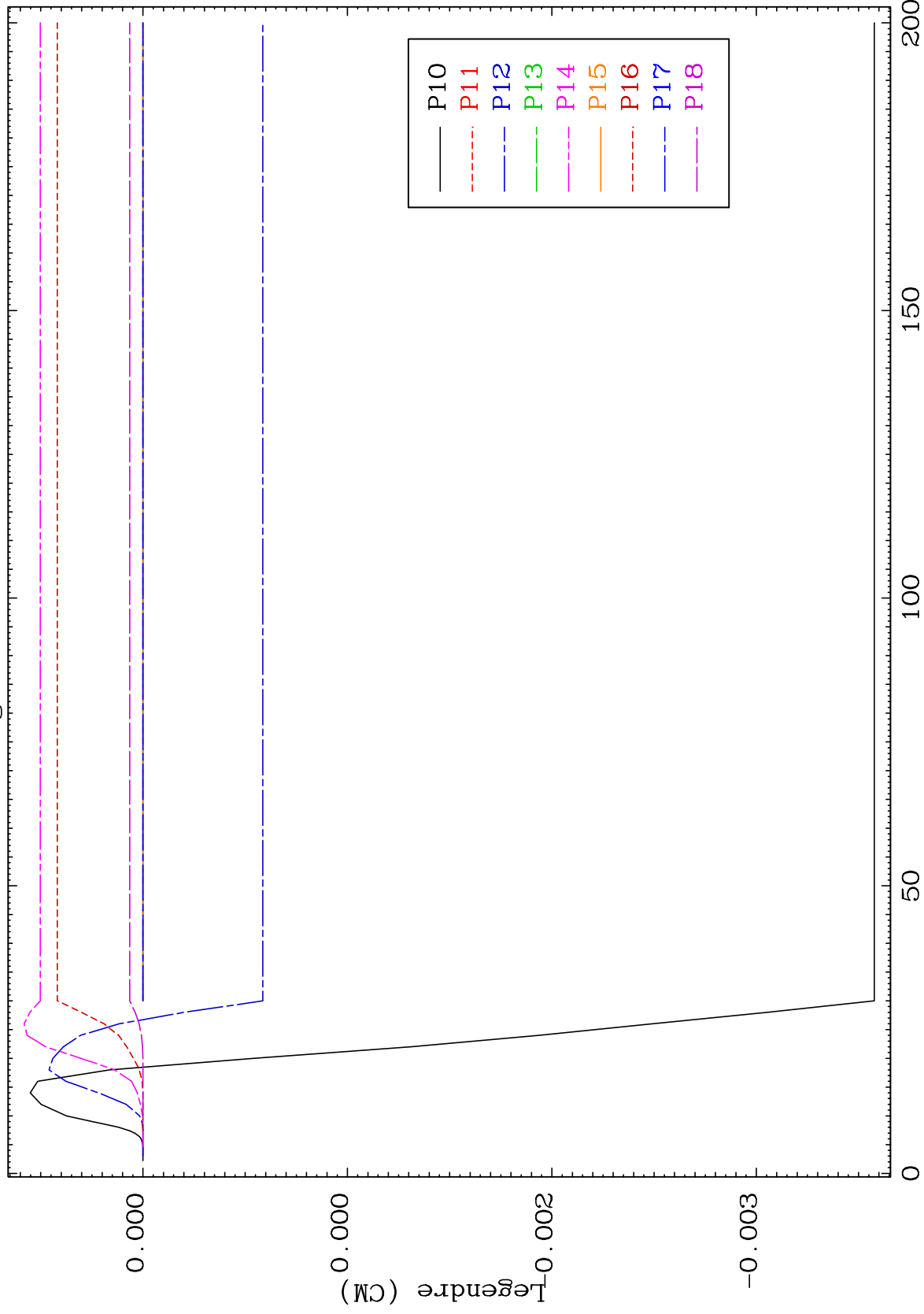




MAT 5449

1.804 MeV (n,n') Level  
Legendre Coefficients

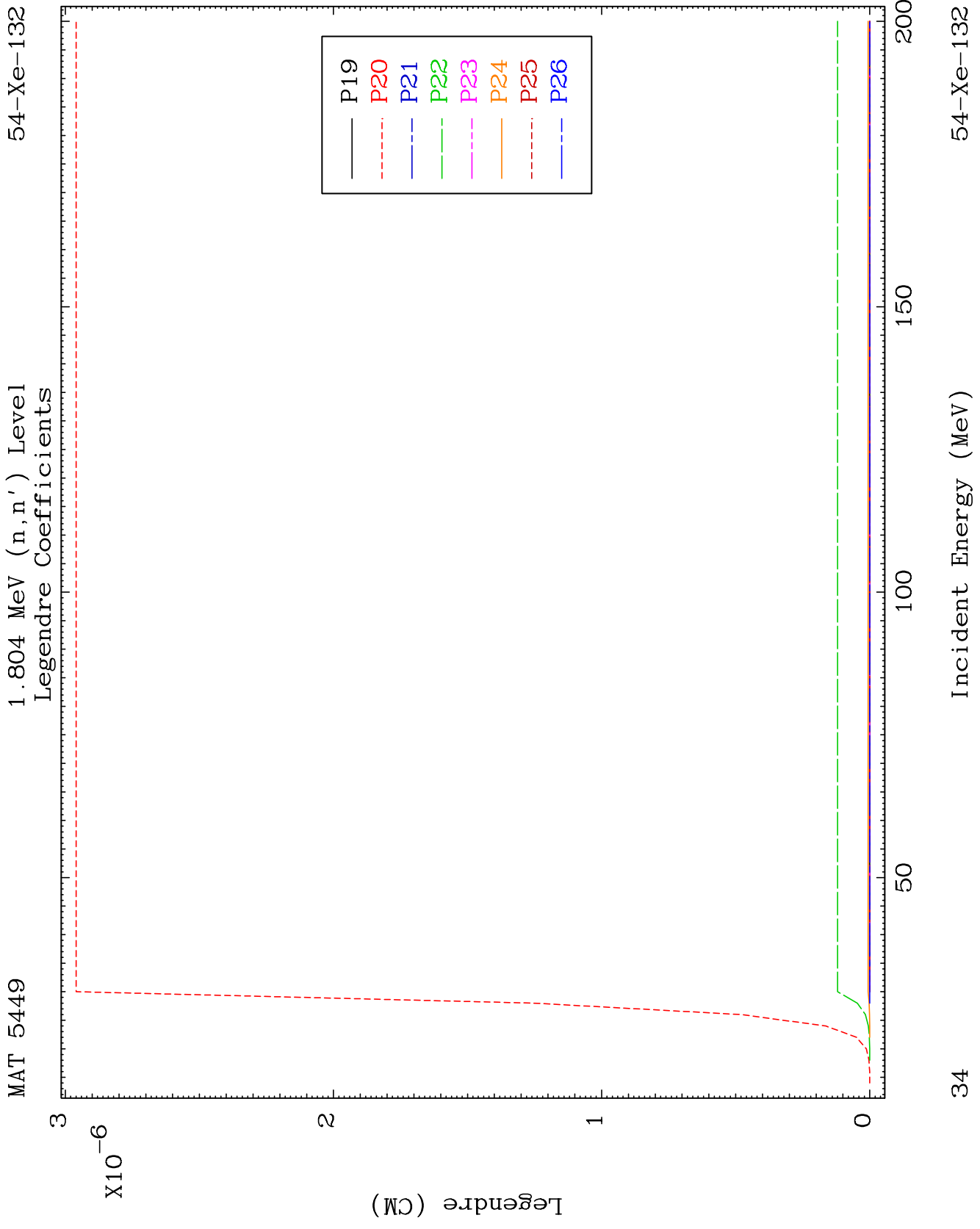
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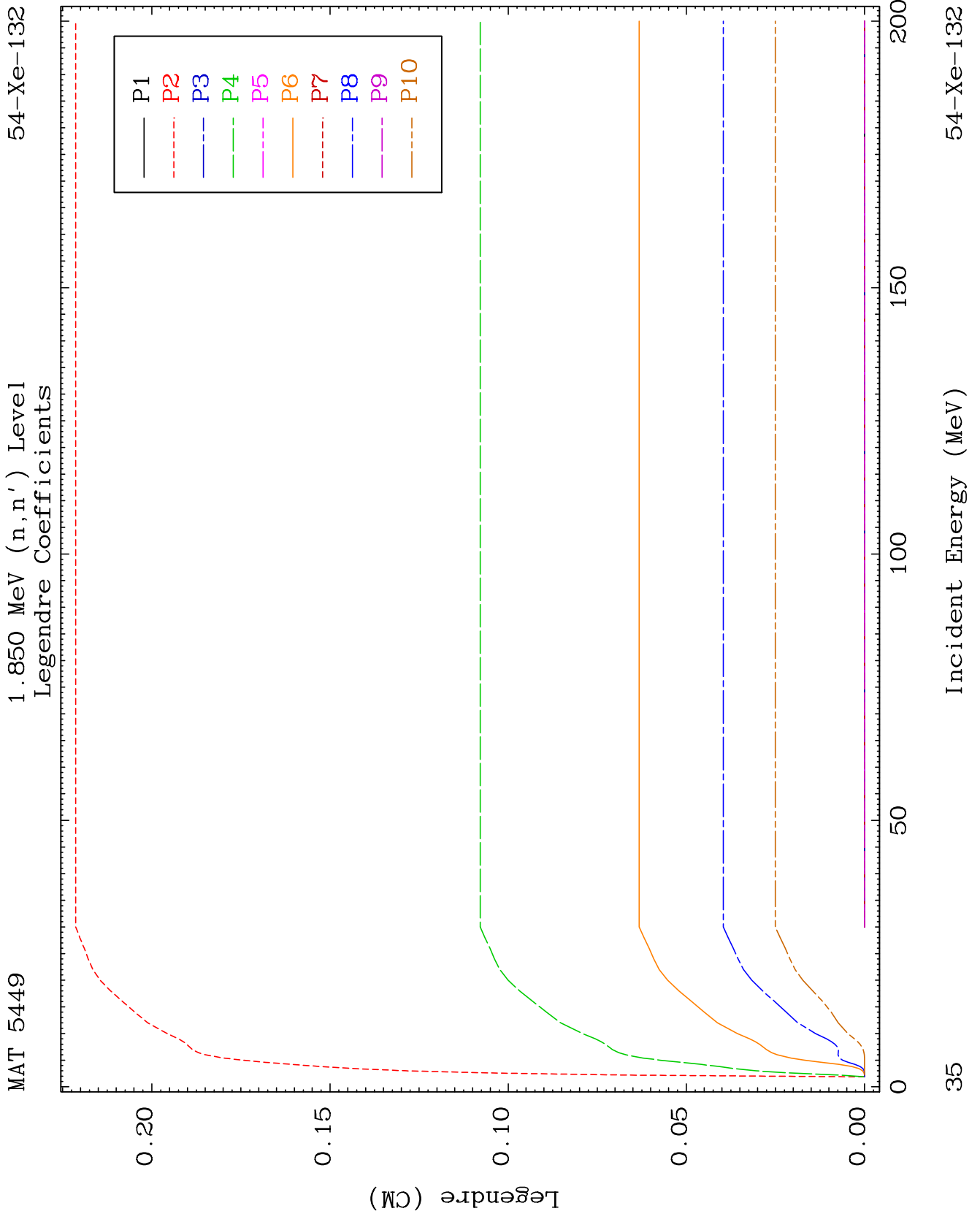


33

Incident Energy (MeV)

54-Xe-132

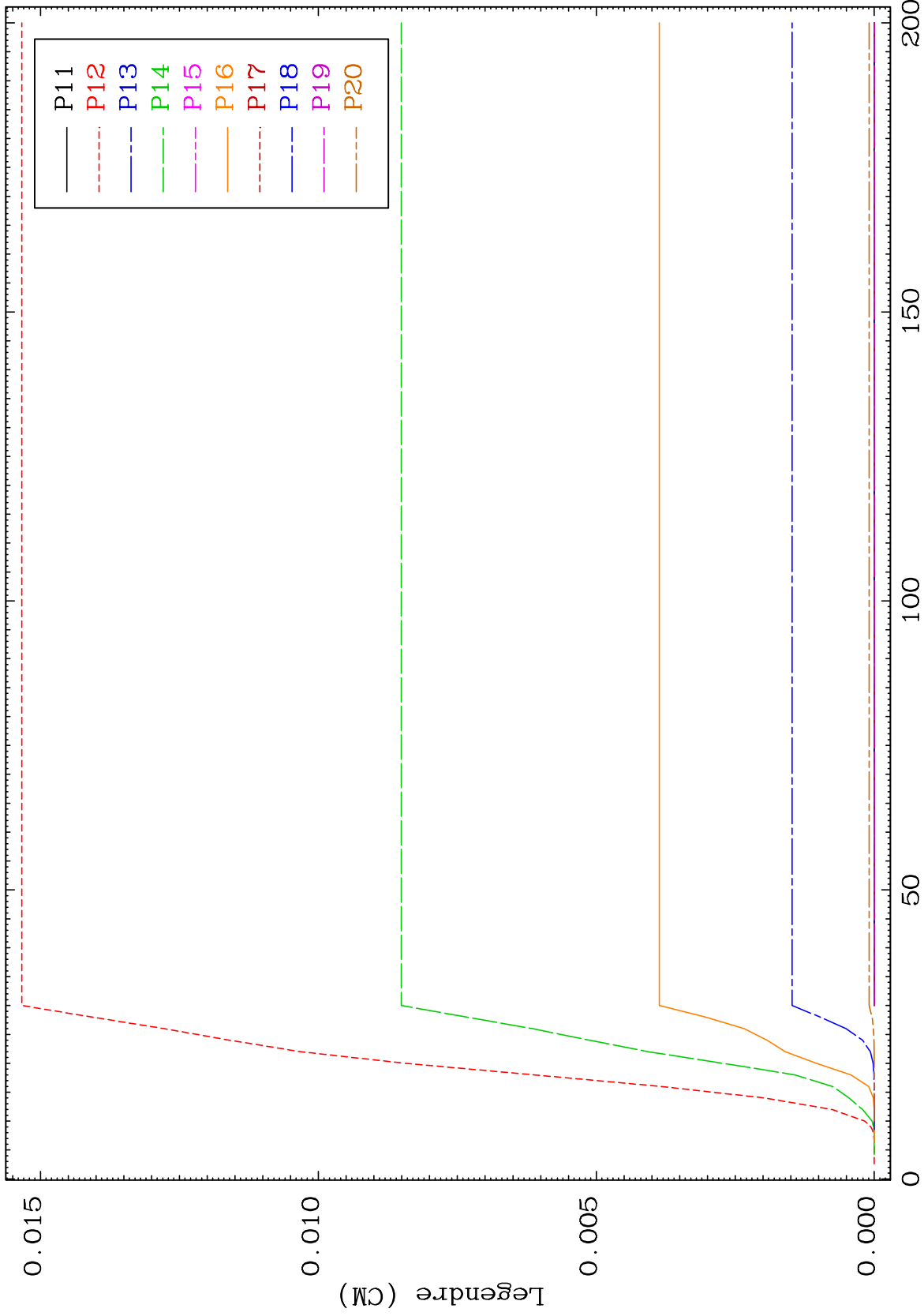




MAT 5449

1.850 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



36

Incident Energy (MeV)

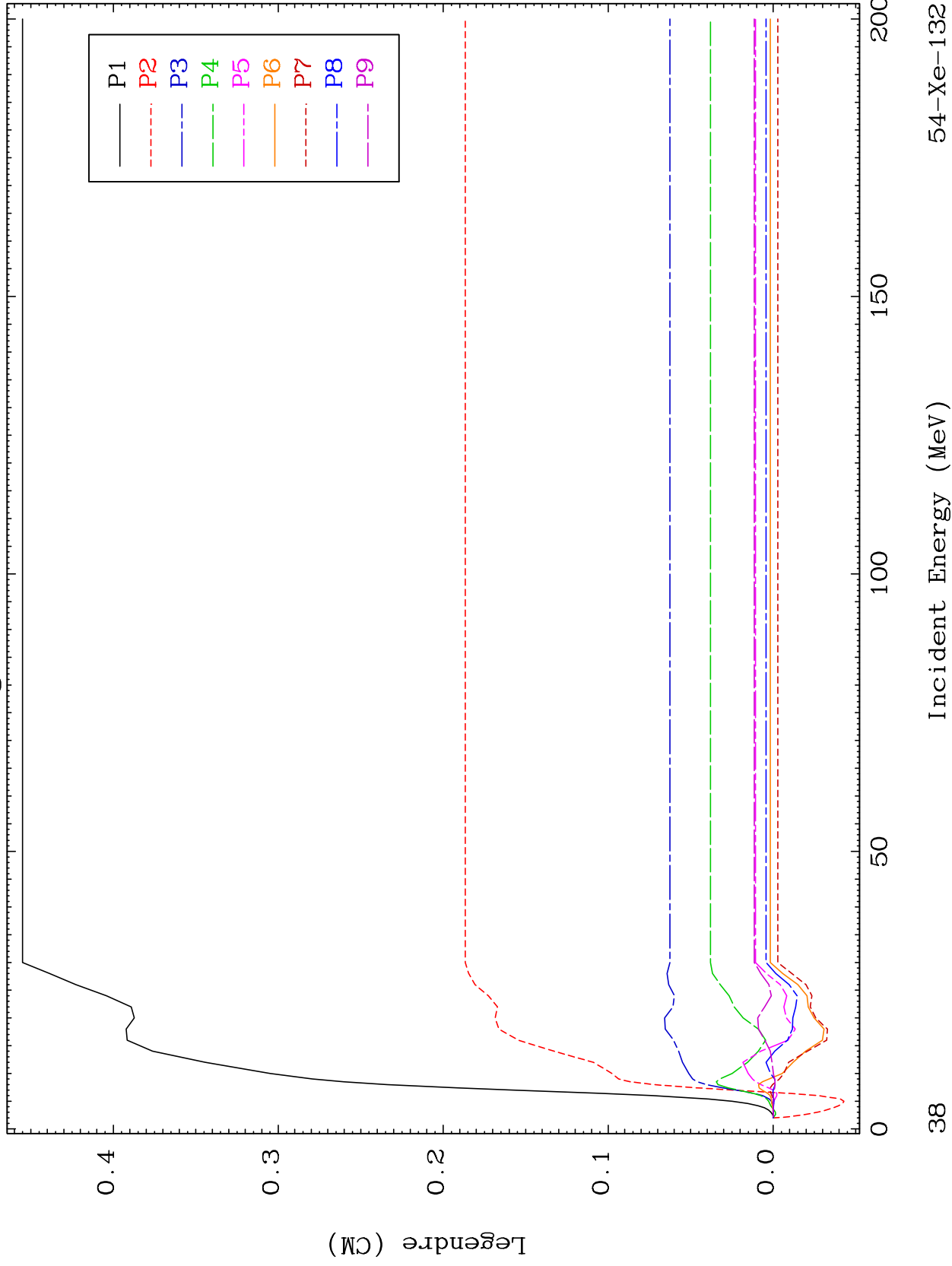
54-Xe-132



MAT 5449

1.963 MeV (n,n') Level  
Legendre Coefficients

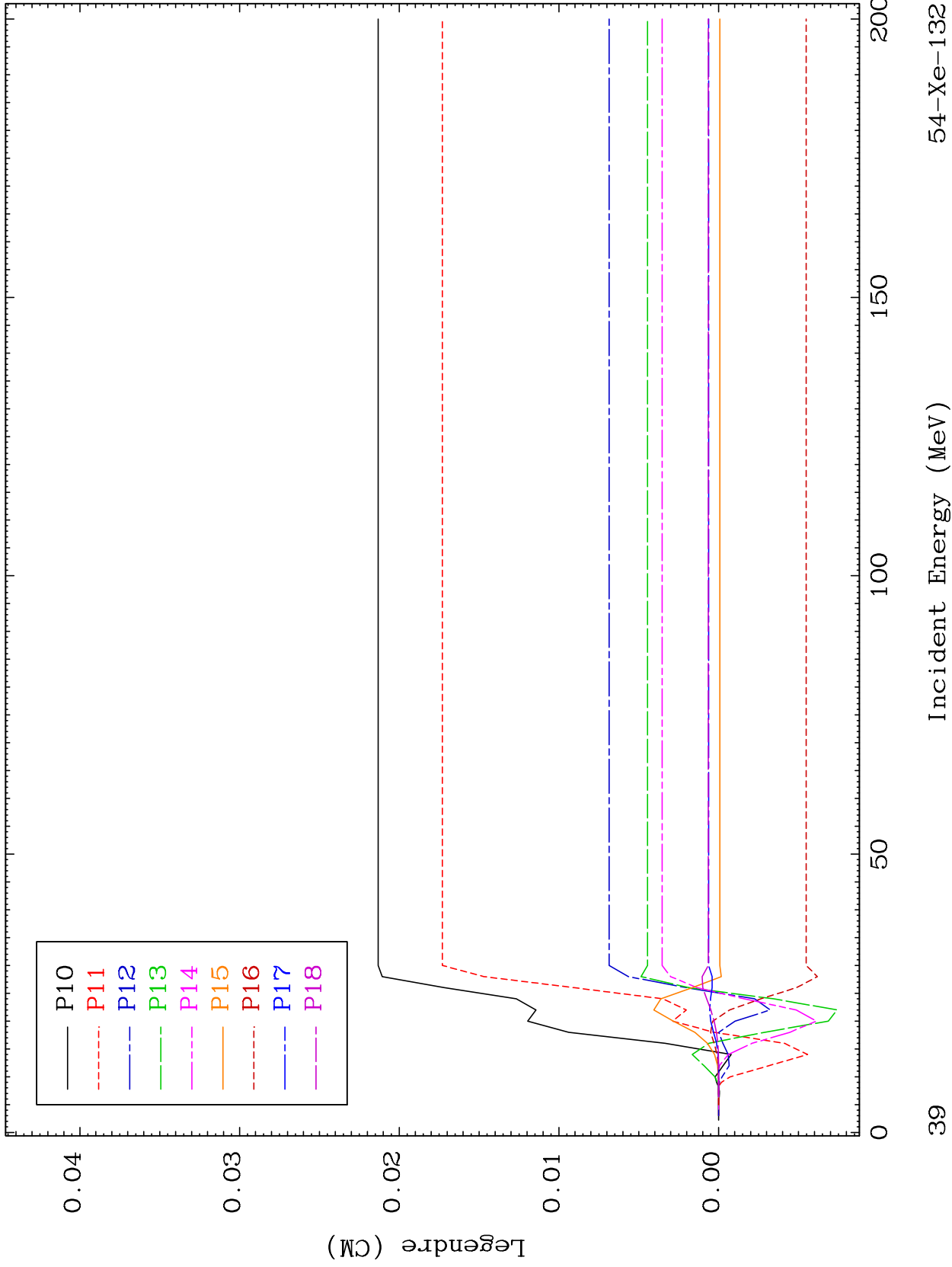
54-Xe-132



54-Xe-132

Incident Energy (MeV)

38

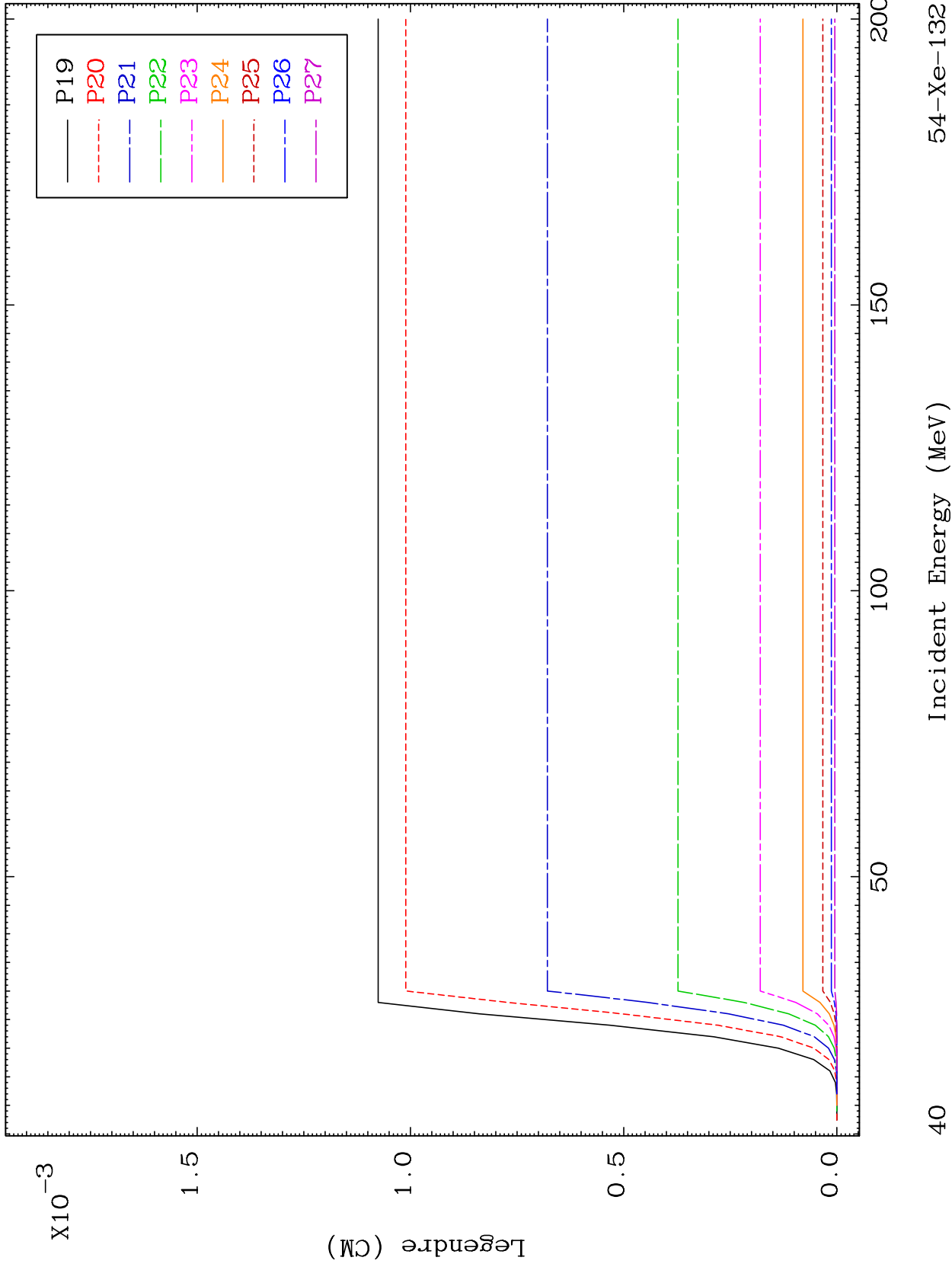




MAT 5449

1.963 MeV (n,n') Level  
Legendre Coefficients

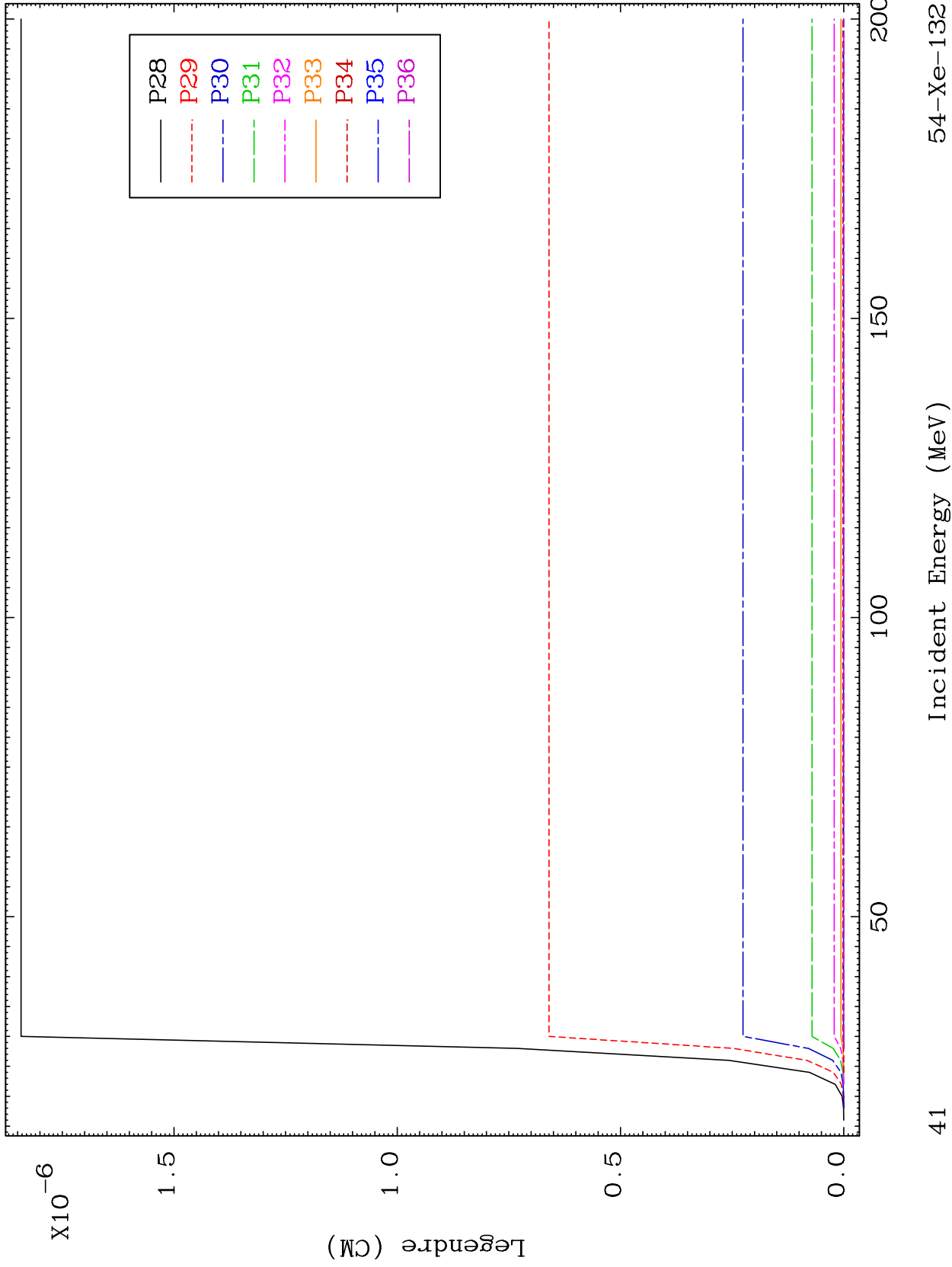
54-Xe-132



MAT 5449

1.963 MeV (n,n') Level  
Legendre Coefficients

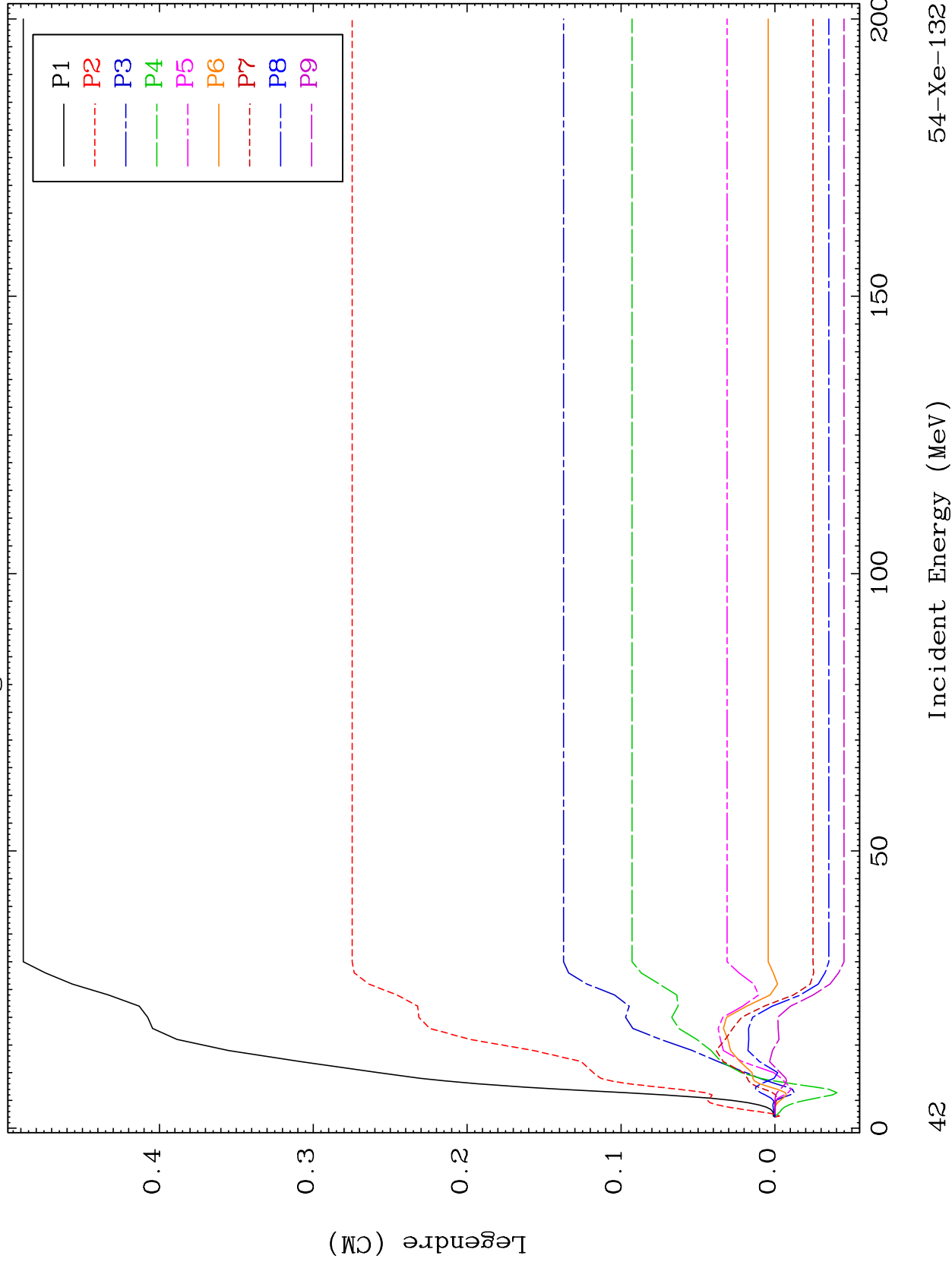
54-Xe-132



MAT 5449

1.986 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

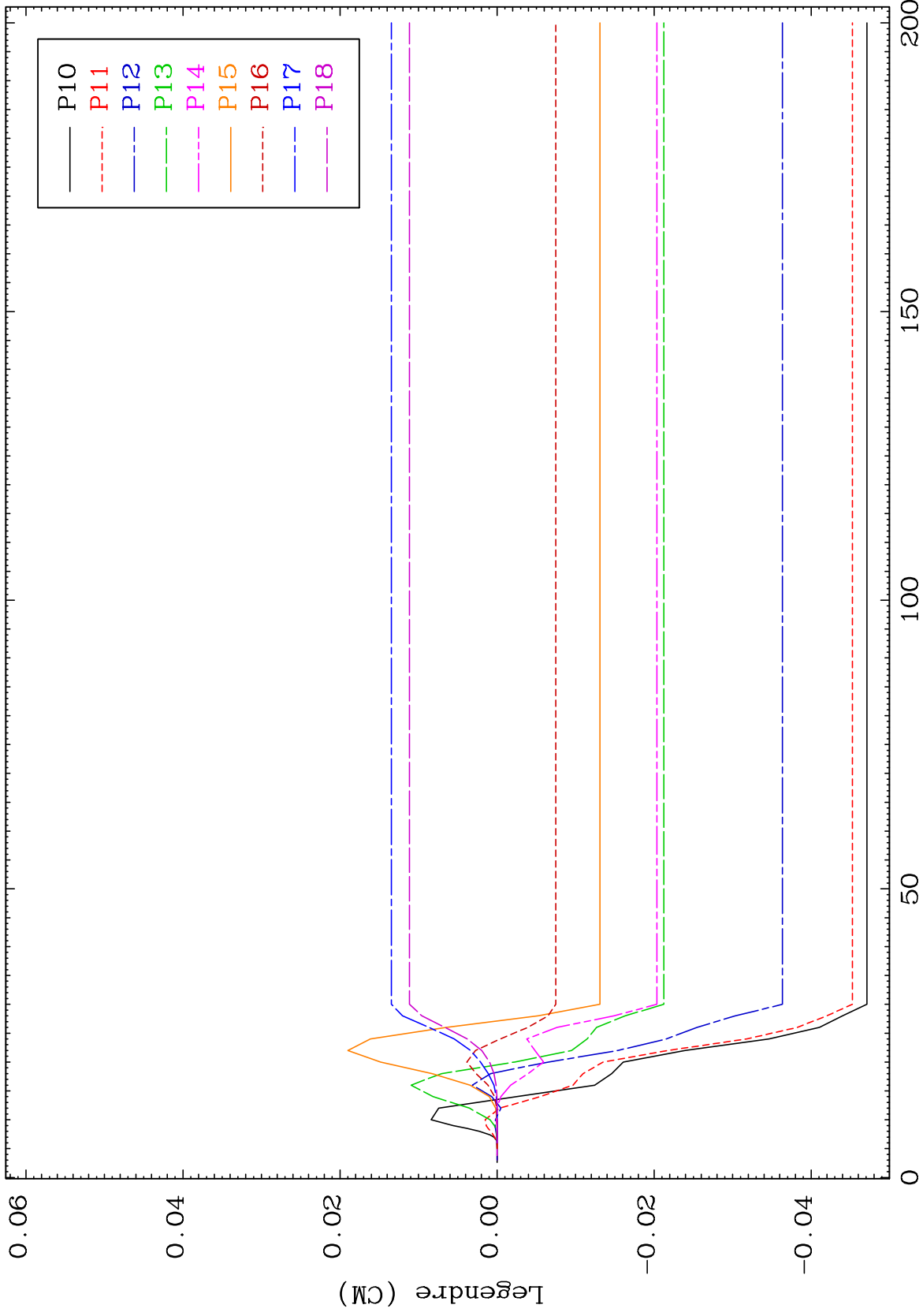
Incident Energy (MeV)

42

MAT 5449

1.986 MeV (n,n') Level  
Legendre Coefficients

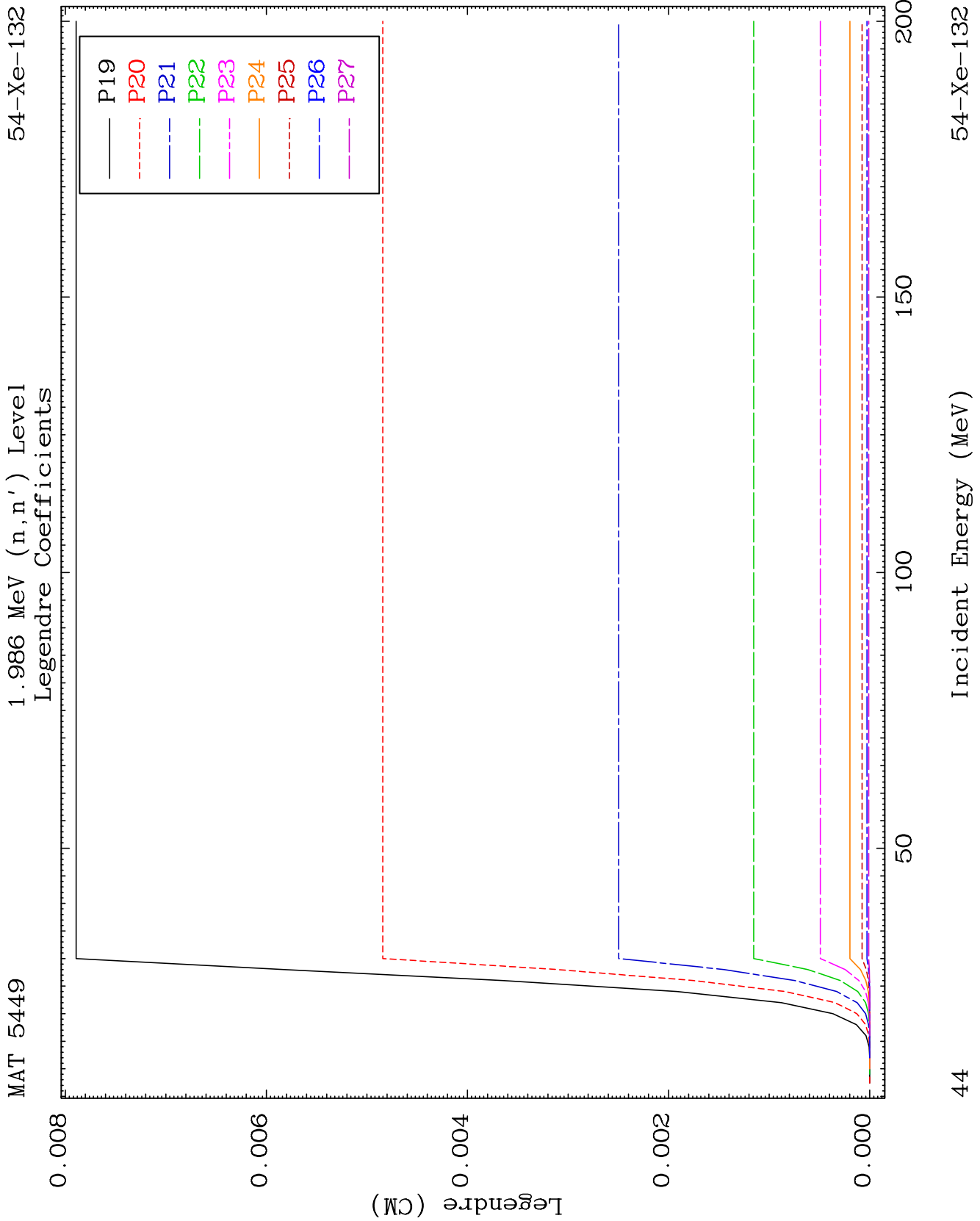
54-Xe-132



43

Incident Energy (MeV)

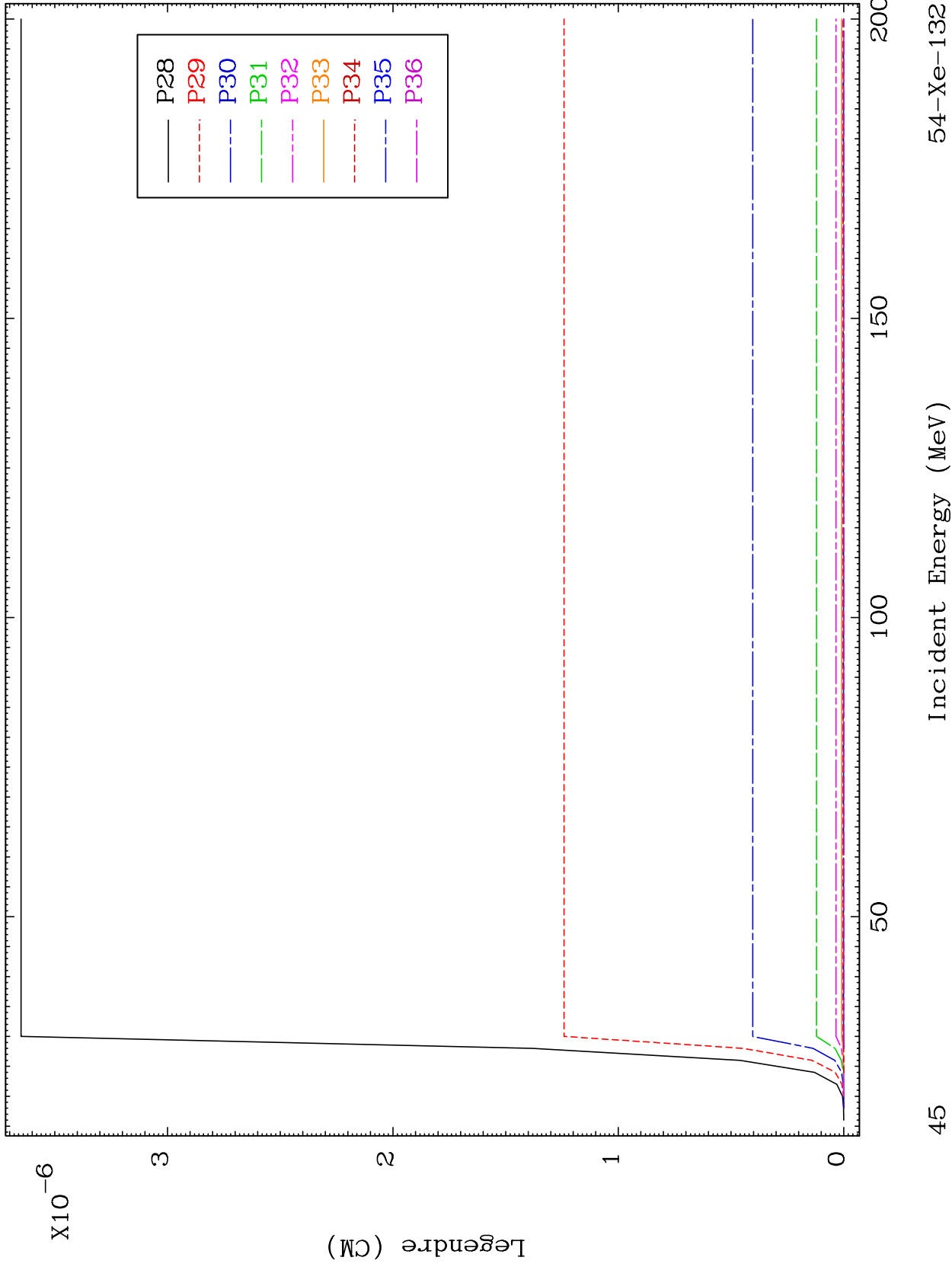
54-Xe-132



MAT 5449

1.986 MeV (n,n') Level  
Legendre Coefficients

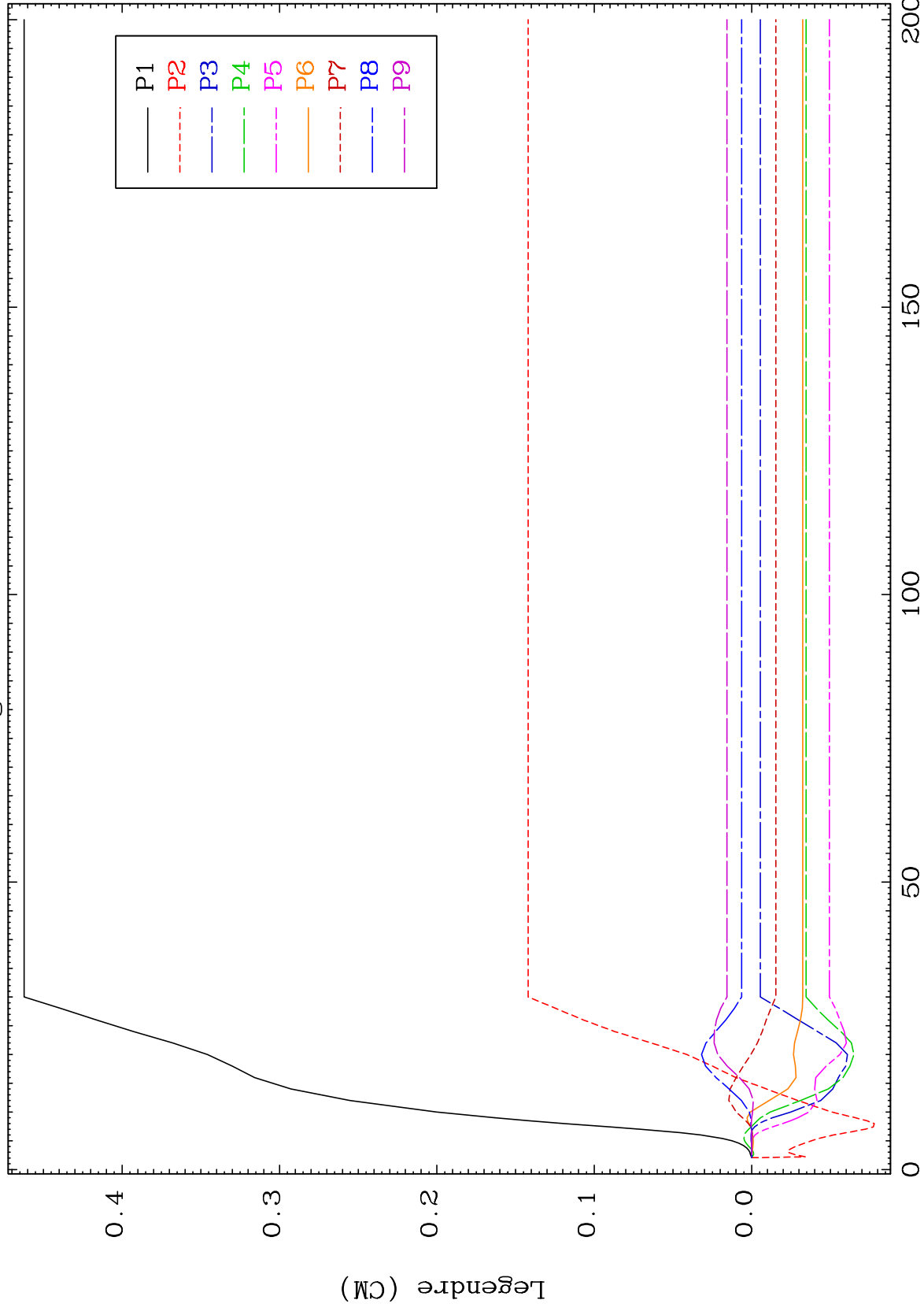
54-Xe-132



MAT 5449

2.040 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



46

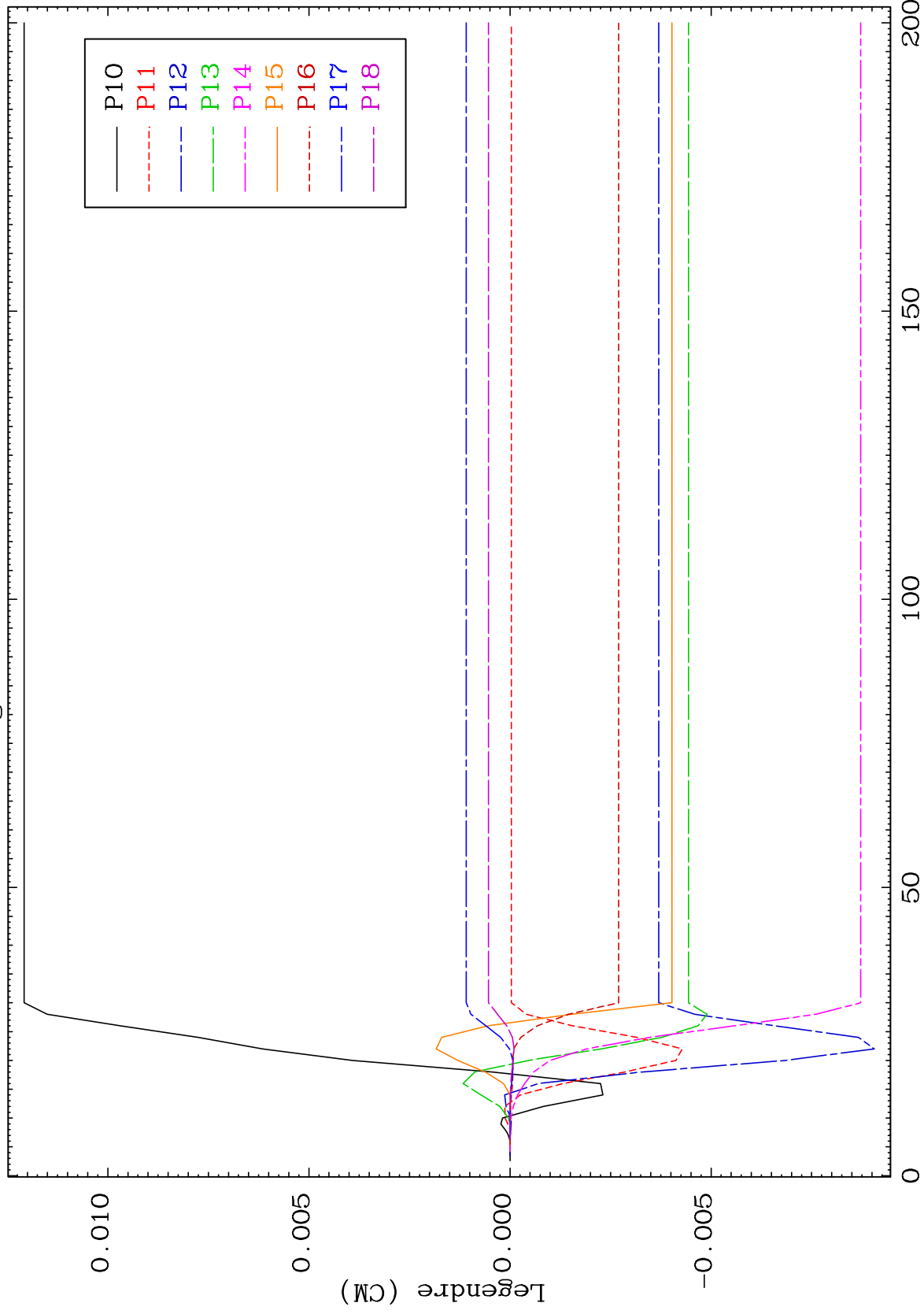
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.040 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



47

Incident Energy (MeV)

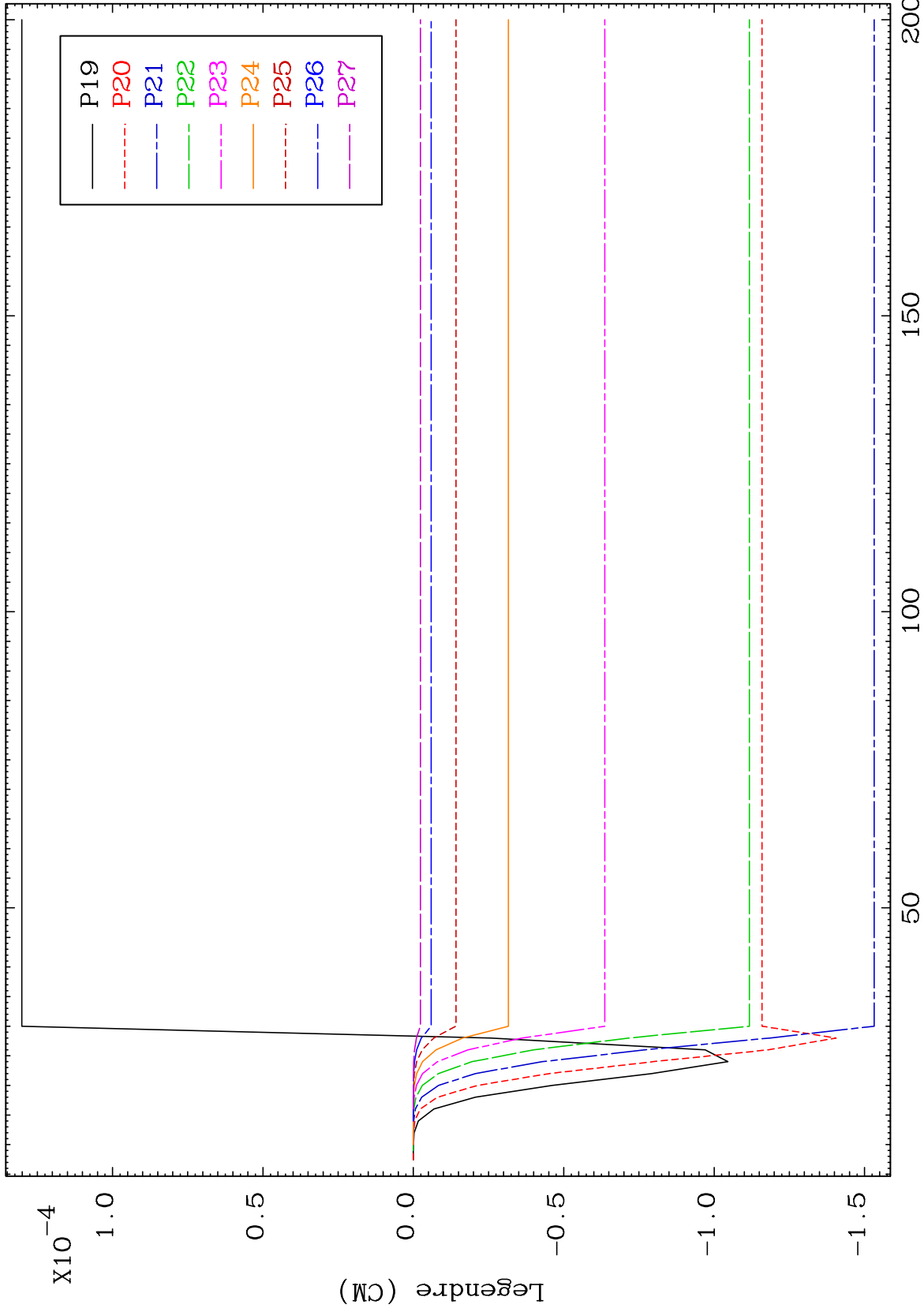
54-Xe-132



MAT 5449

2.040 MeV (n,n') Level  
Legendre Coefficients

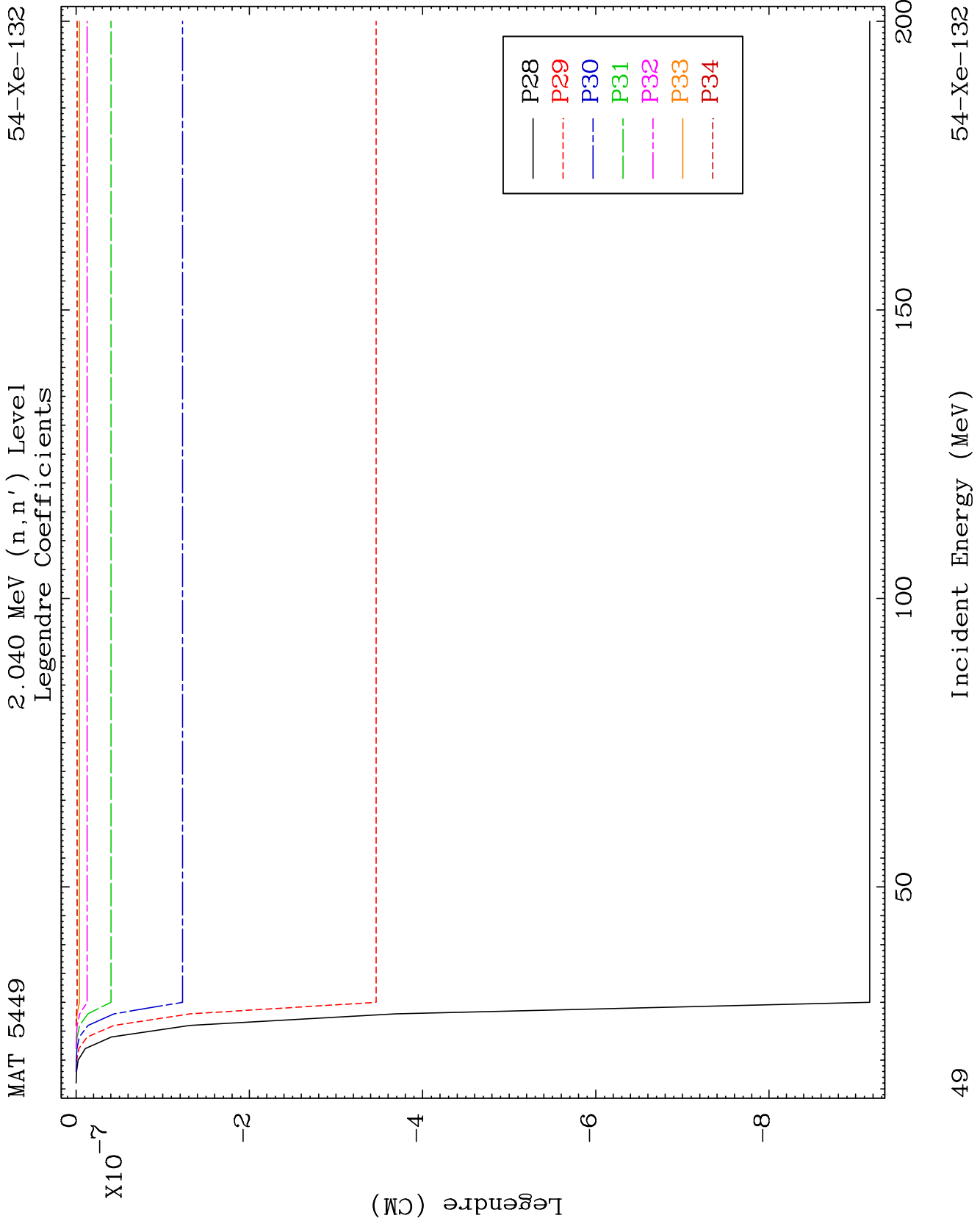
54-Xe-132



48

Incident Energy (MeV)

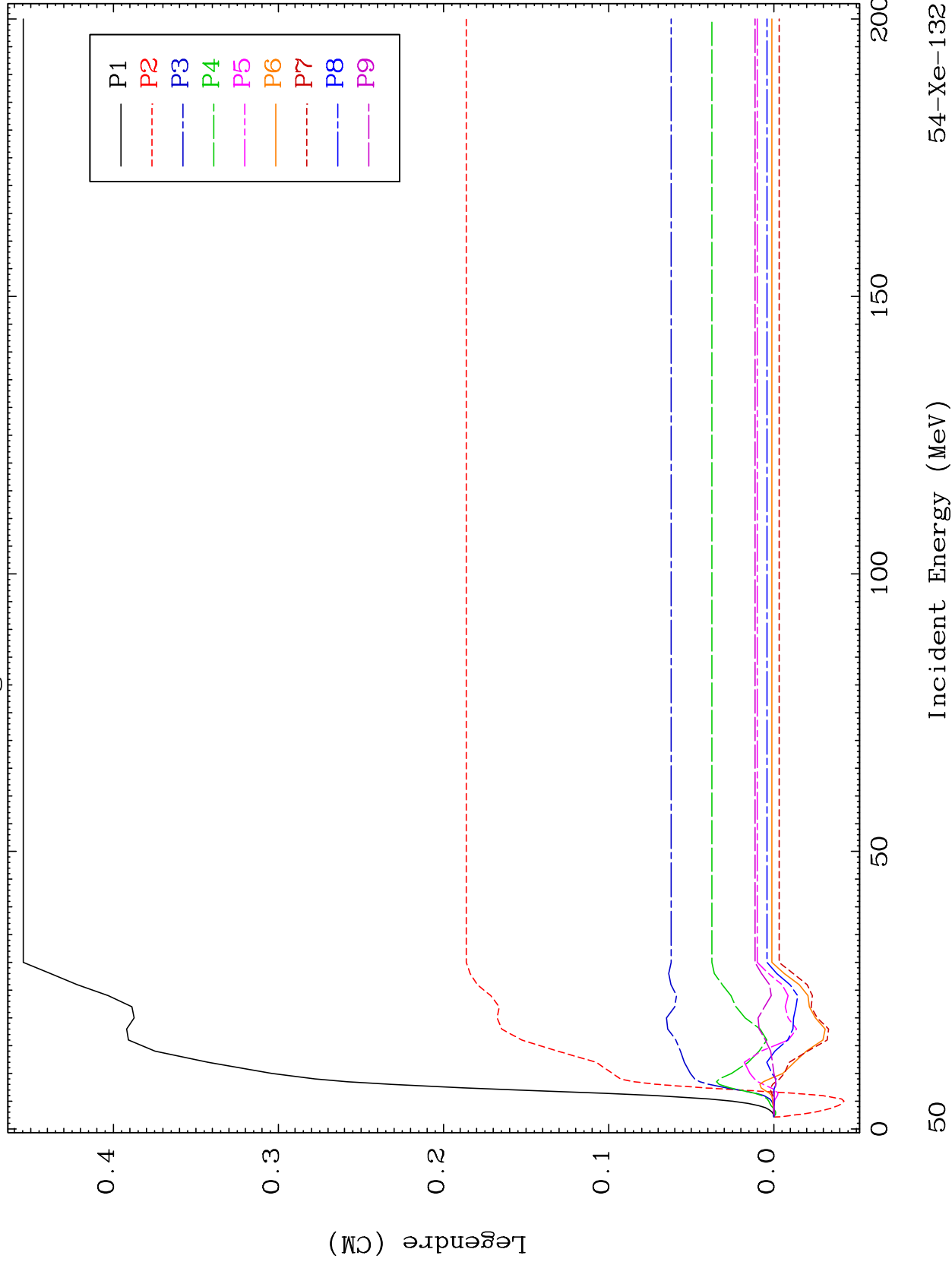
54-Xe-132



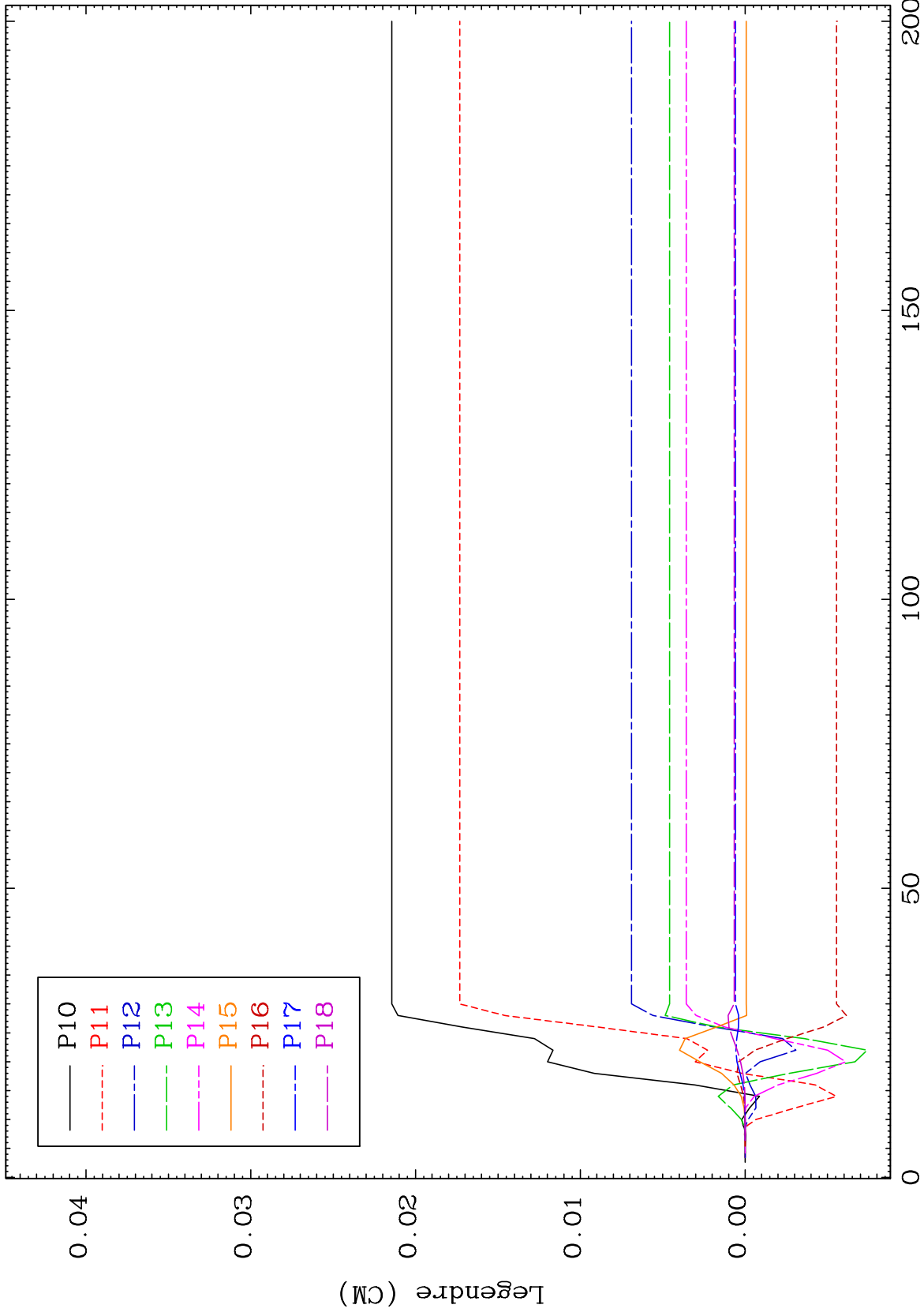
MAT 5449

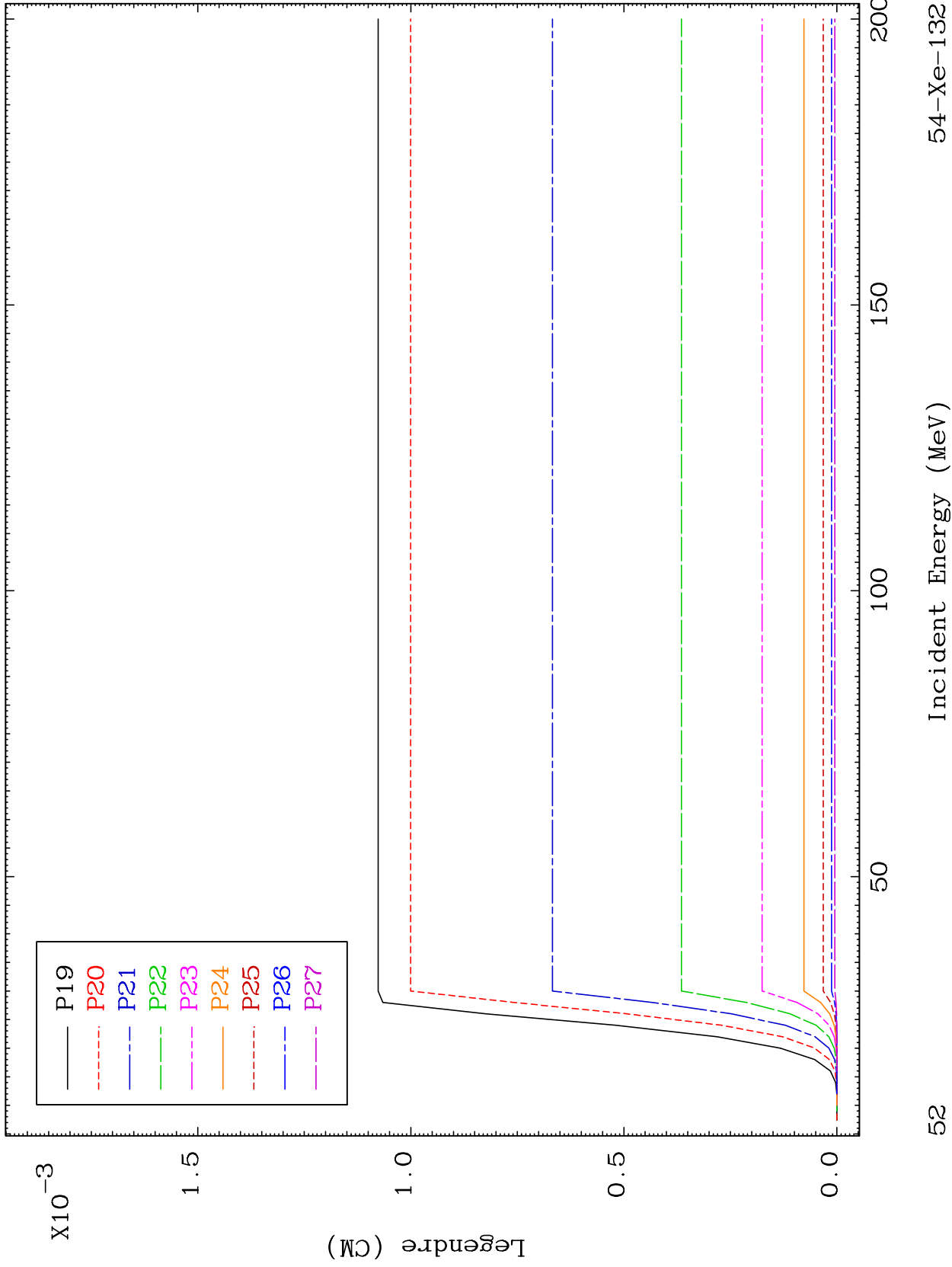
2.110 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

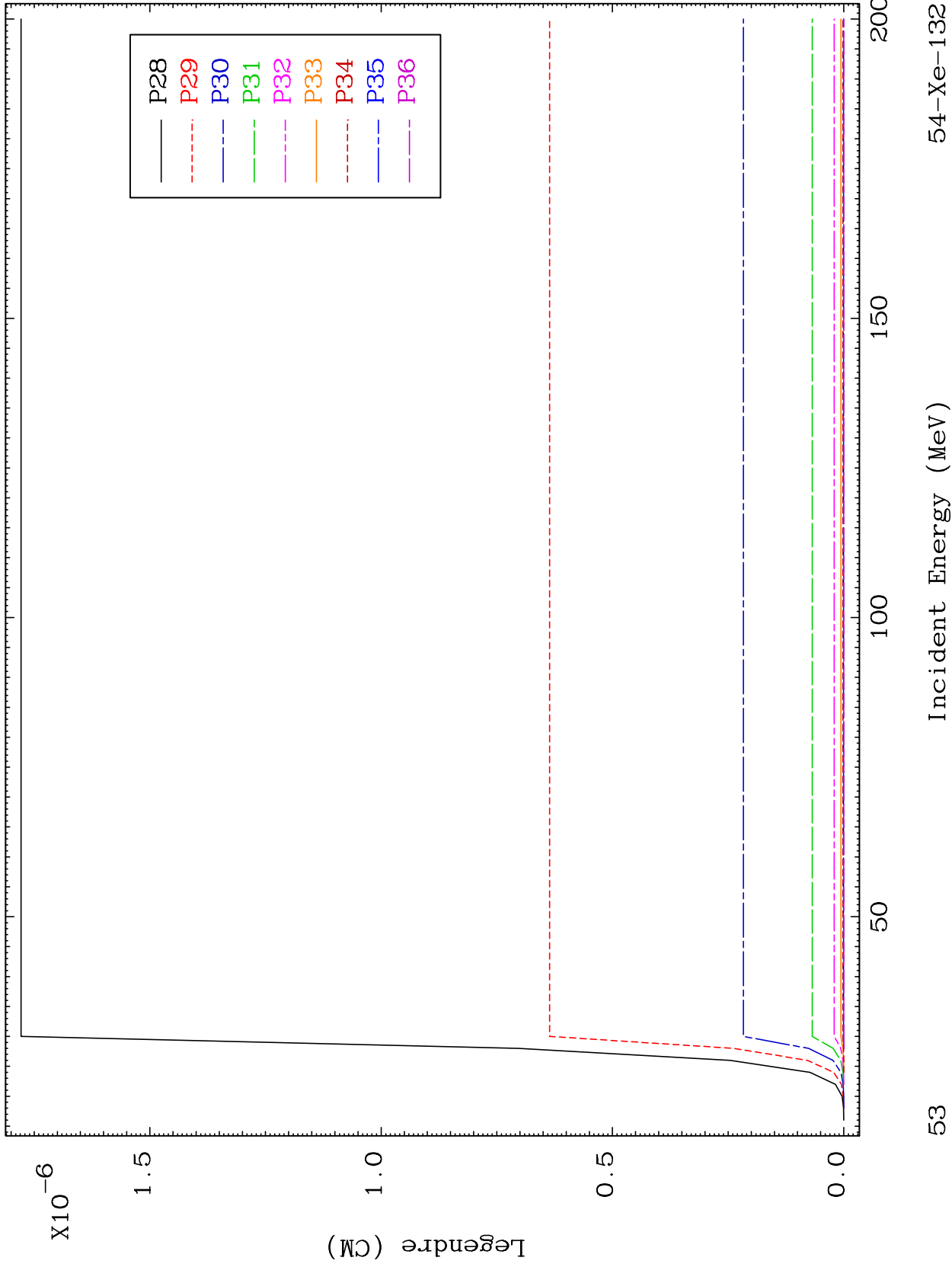




MAT 5449

2.110 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



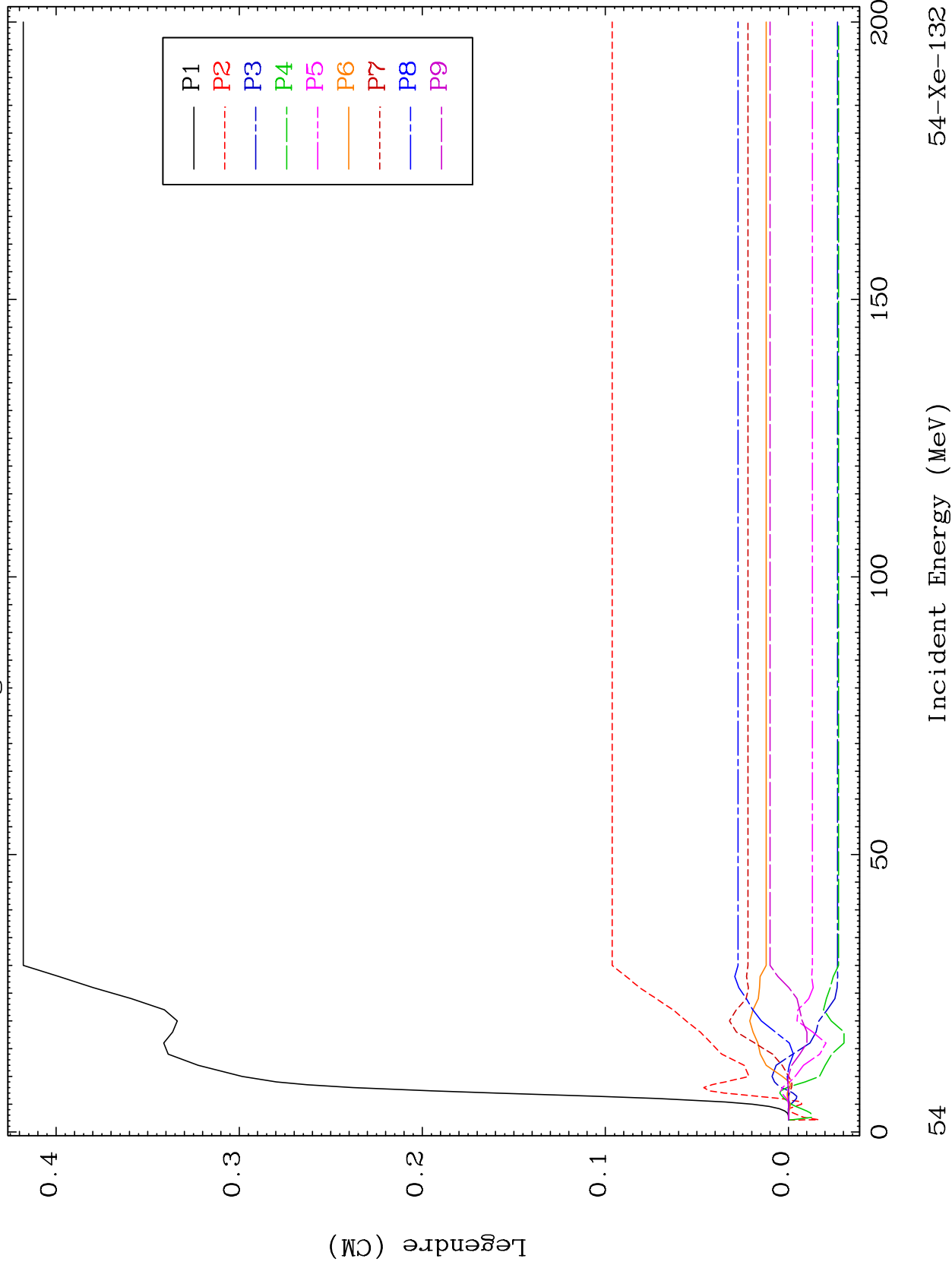
53

54-Xe-132

MAT 5449

2.112 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



54

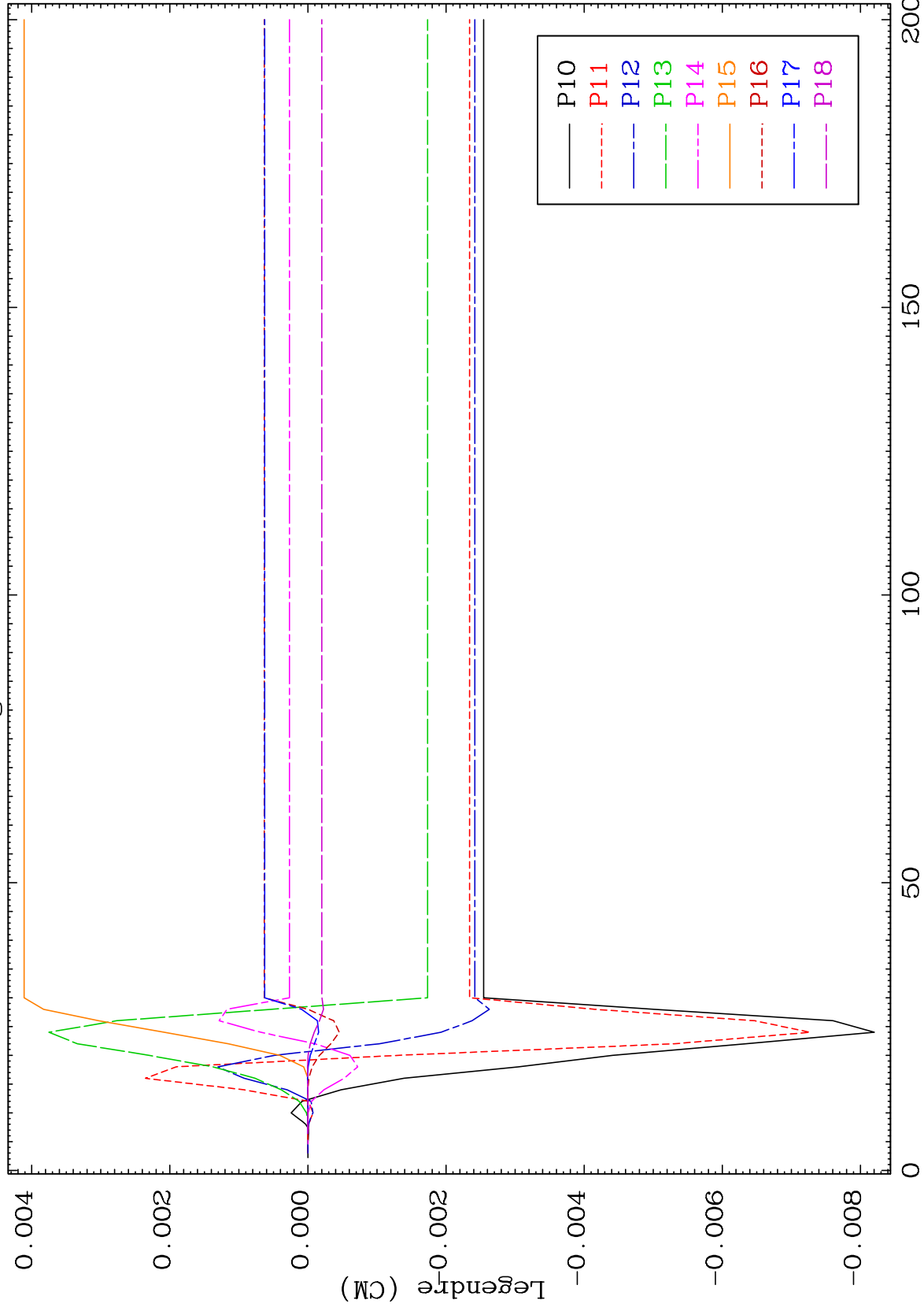
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.112 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132

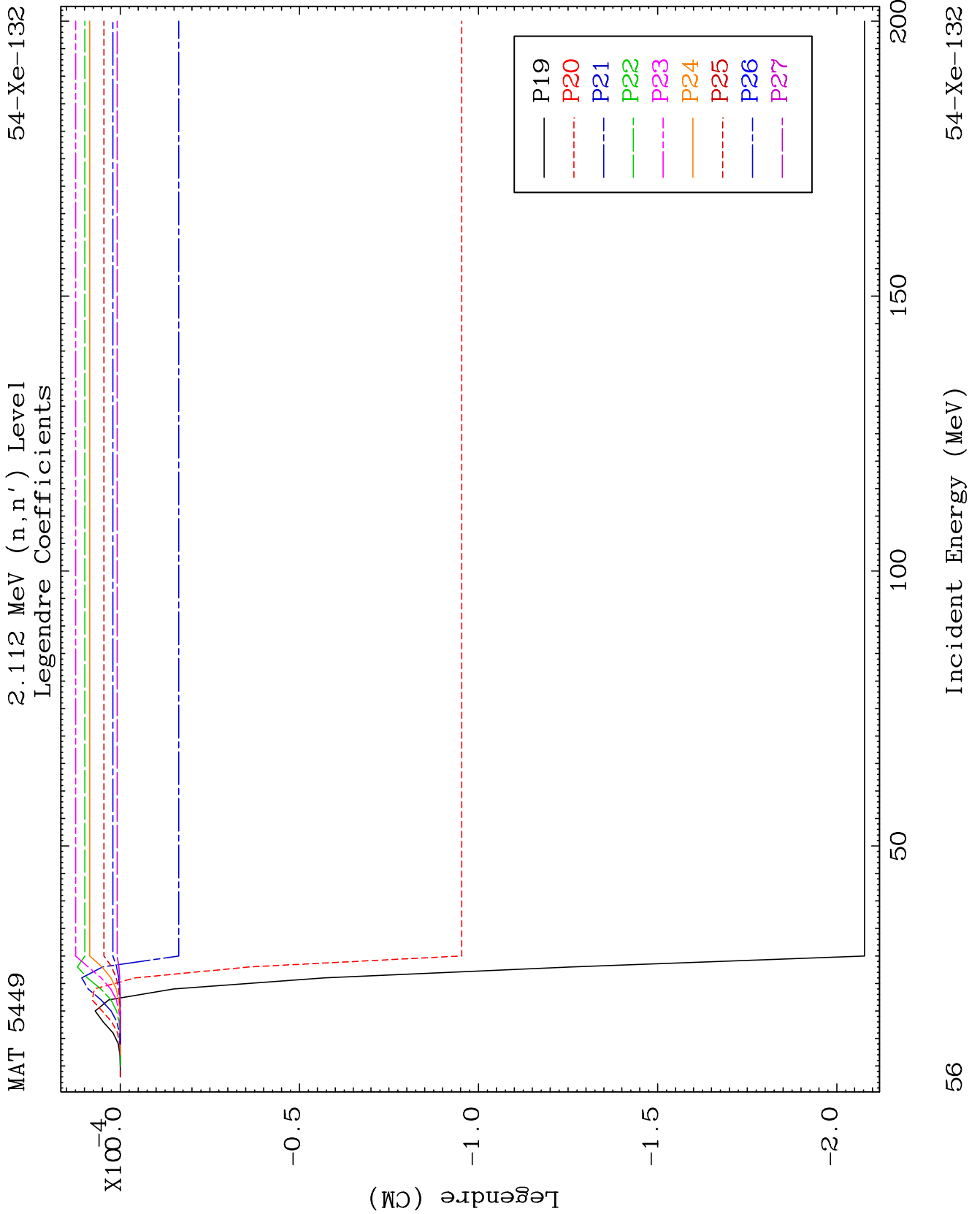


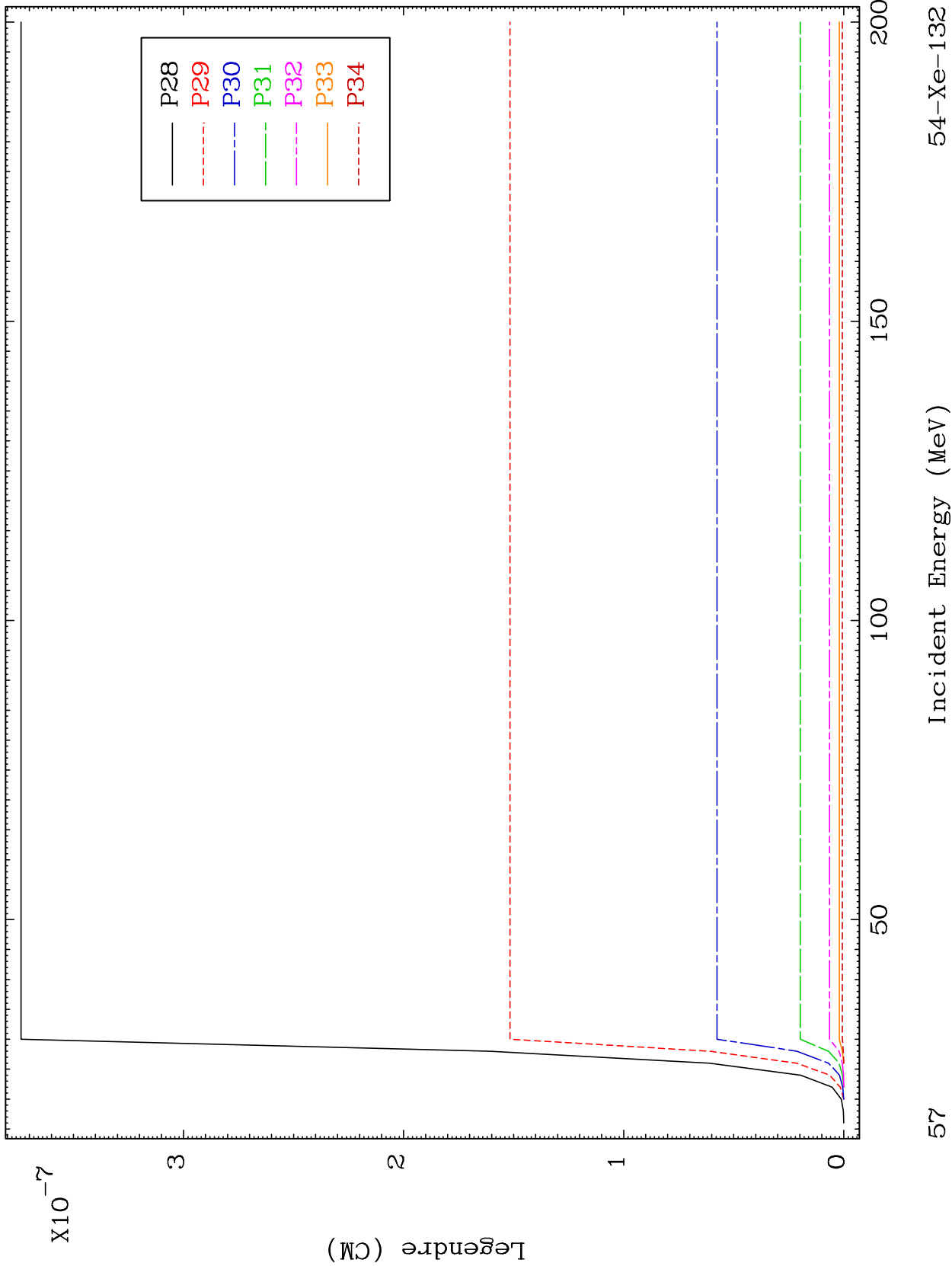
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Incident Energy (MeV)

54-Xe-132



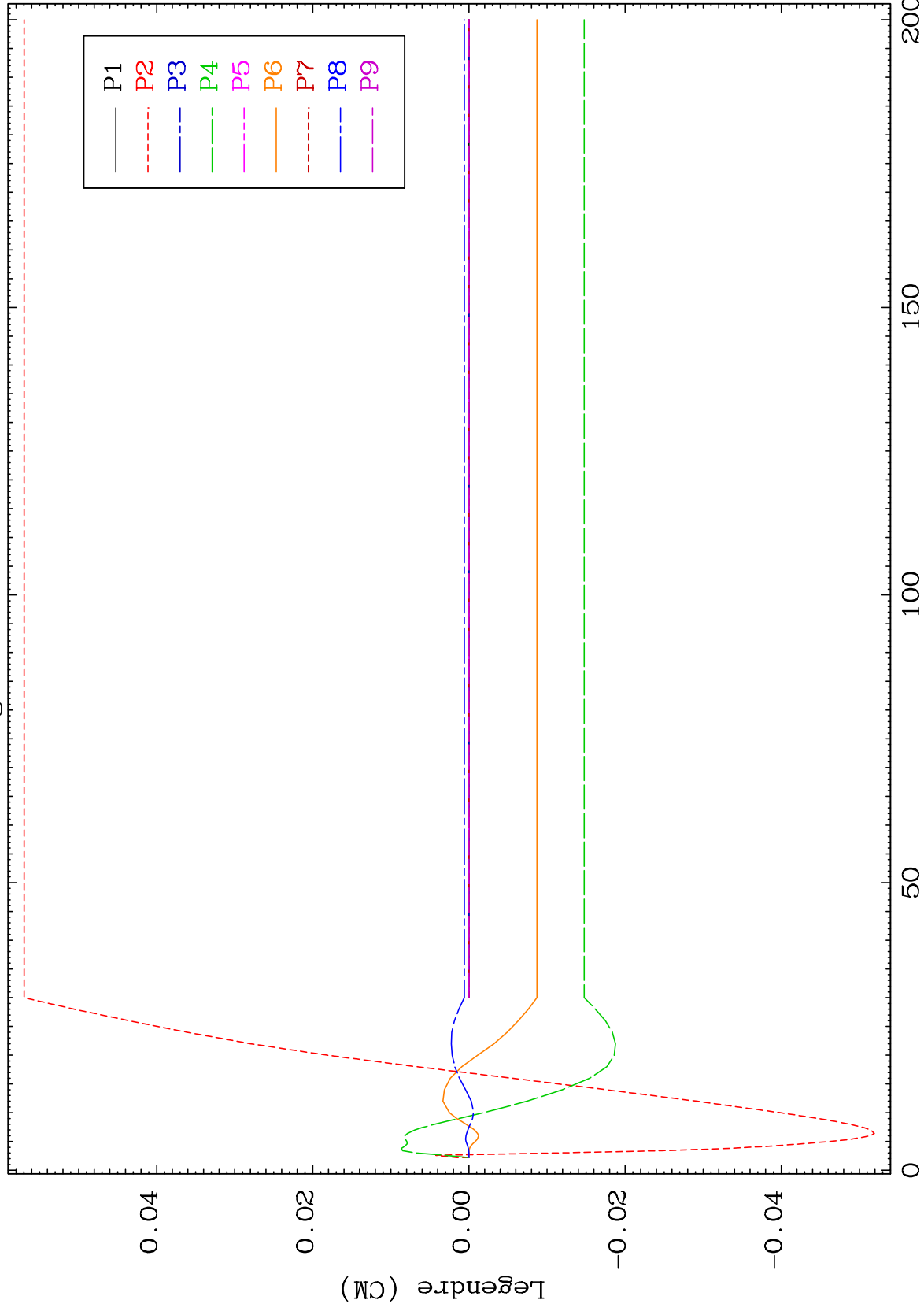




MAT 5449

2.167 MeV (n,n') Level  
Legendre Coefficients

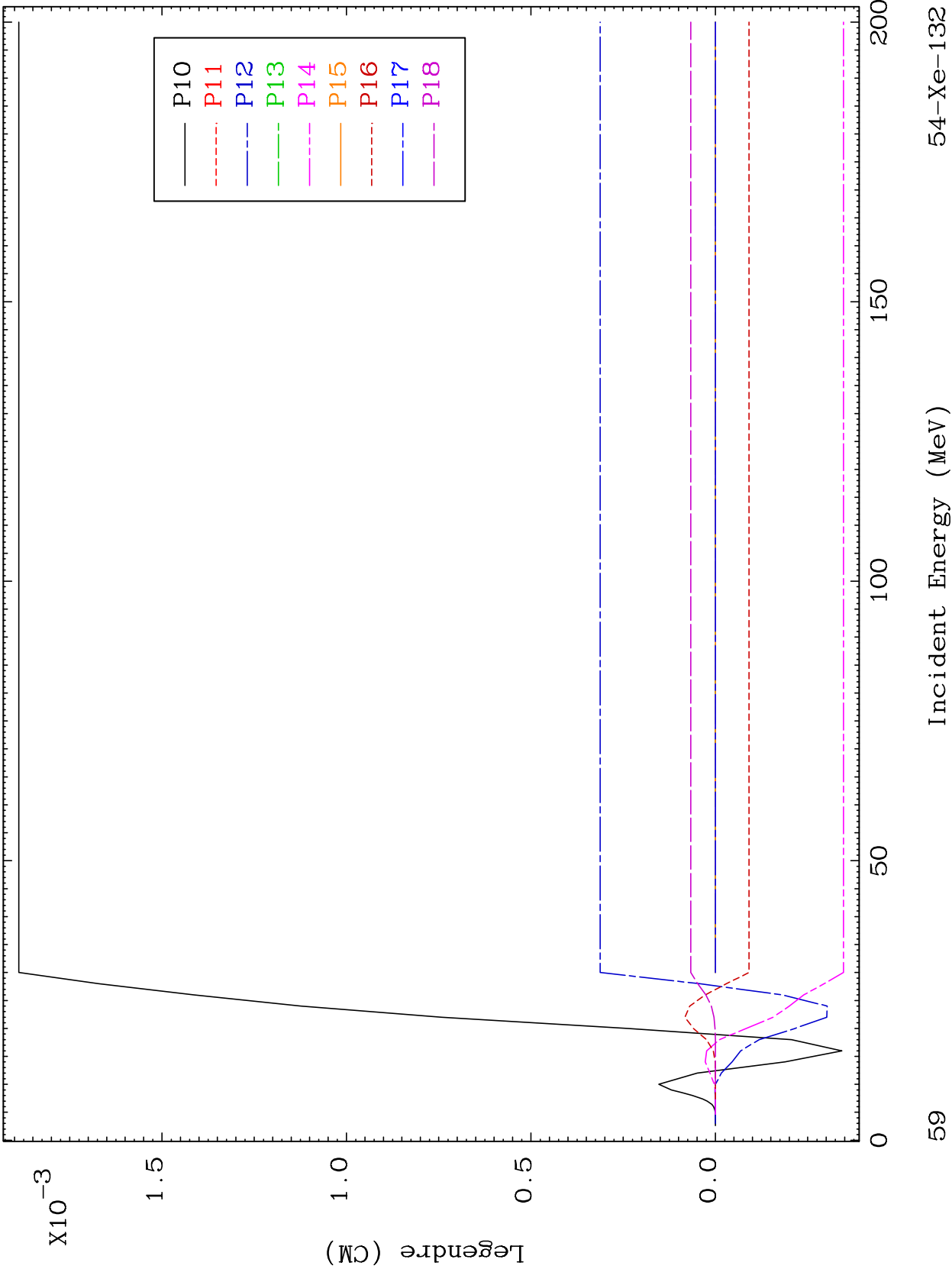
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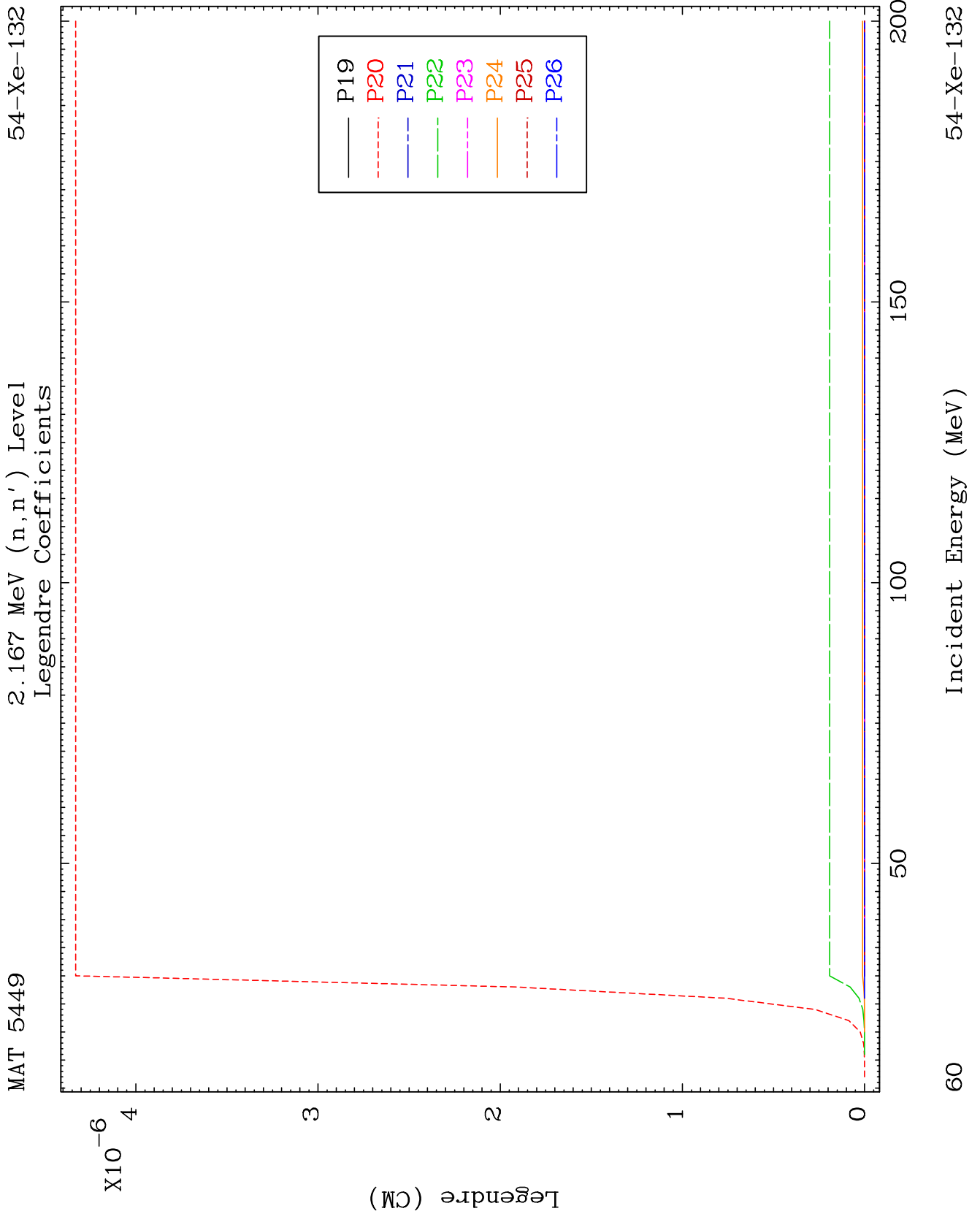


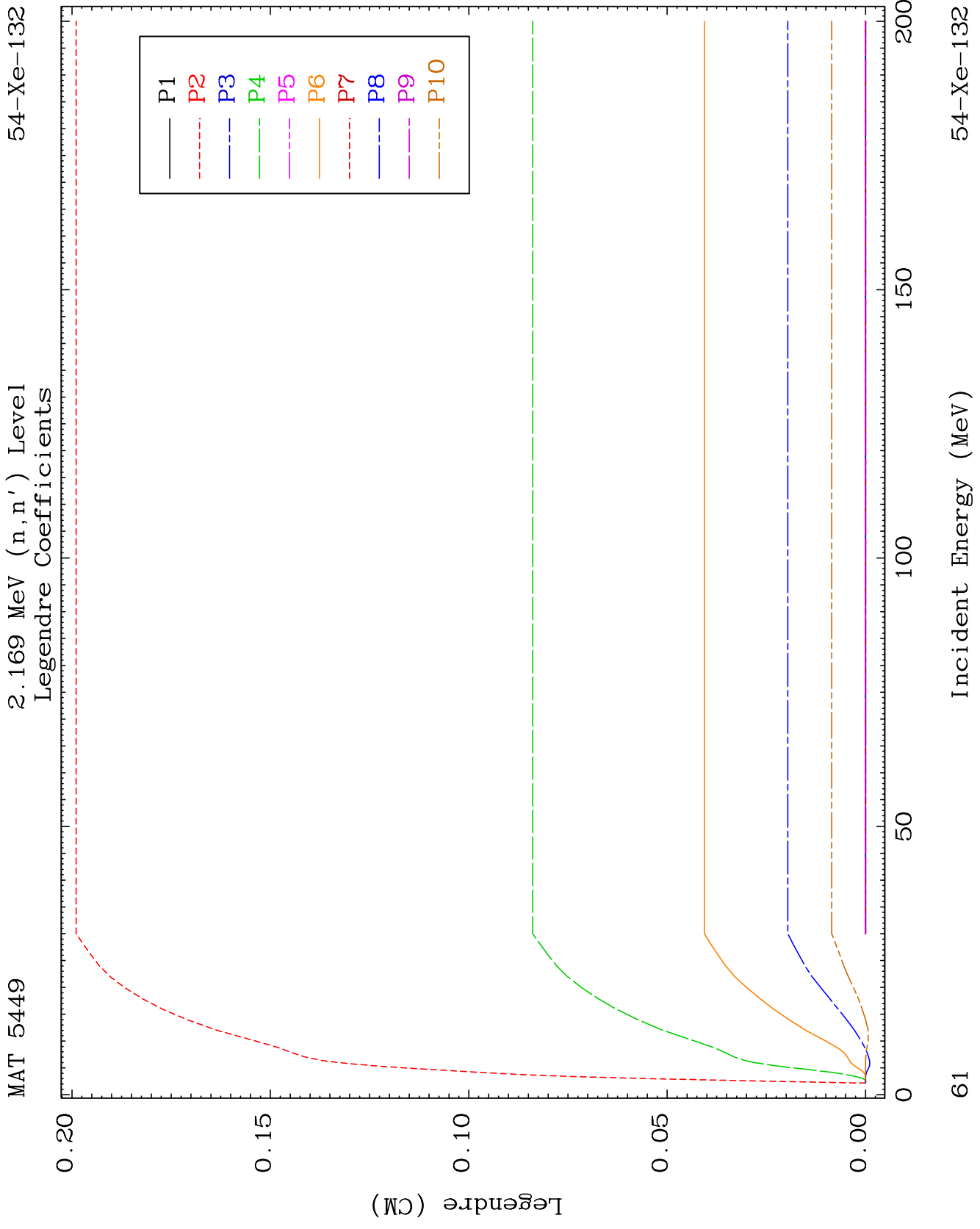
58

Incident Energy (MeV)

54-Xe-132



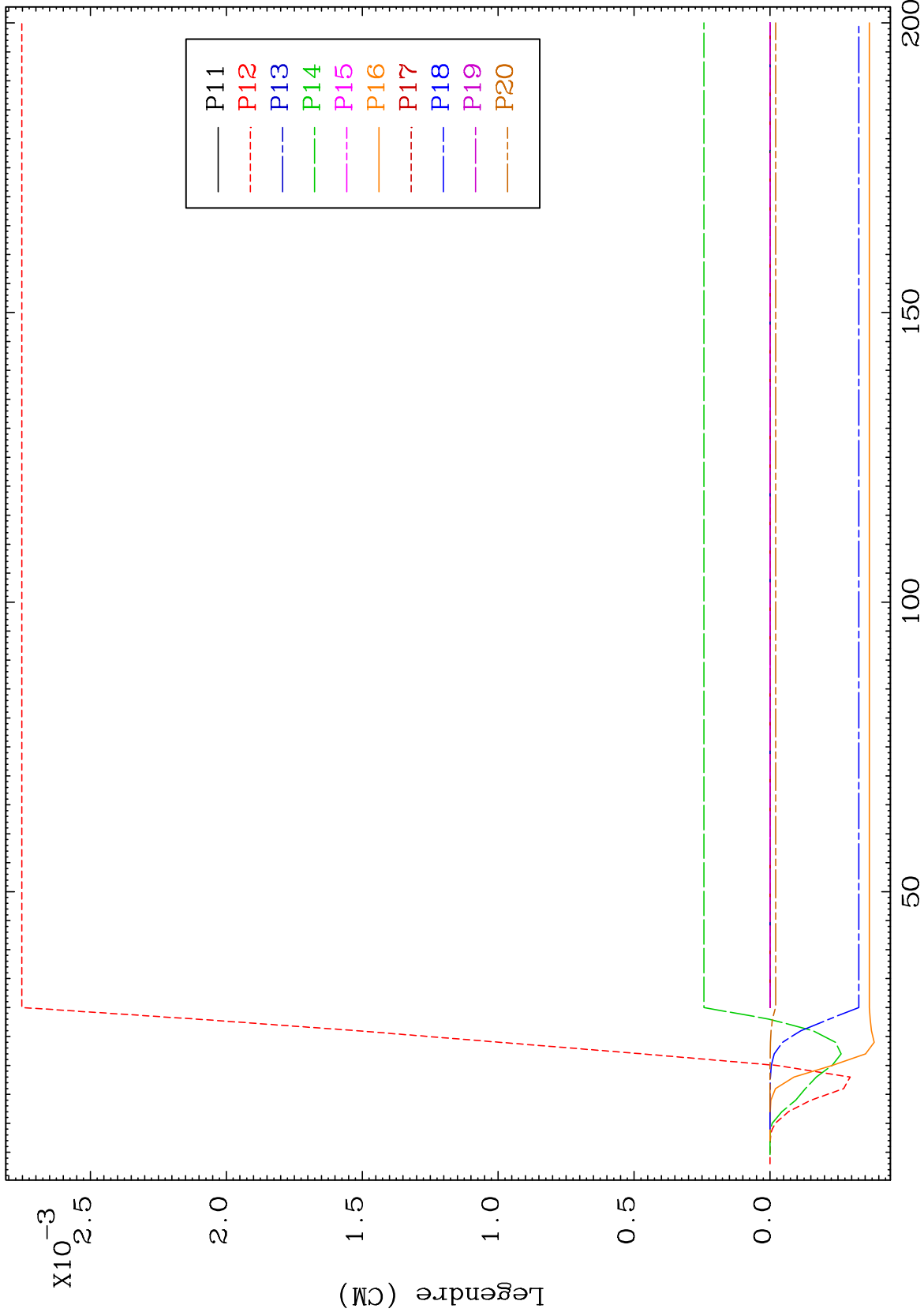




MAT 5449

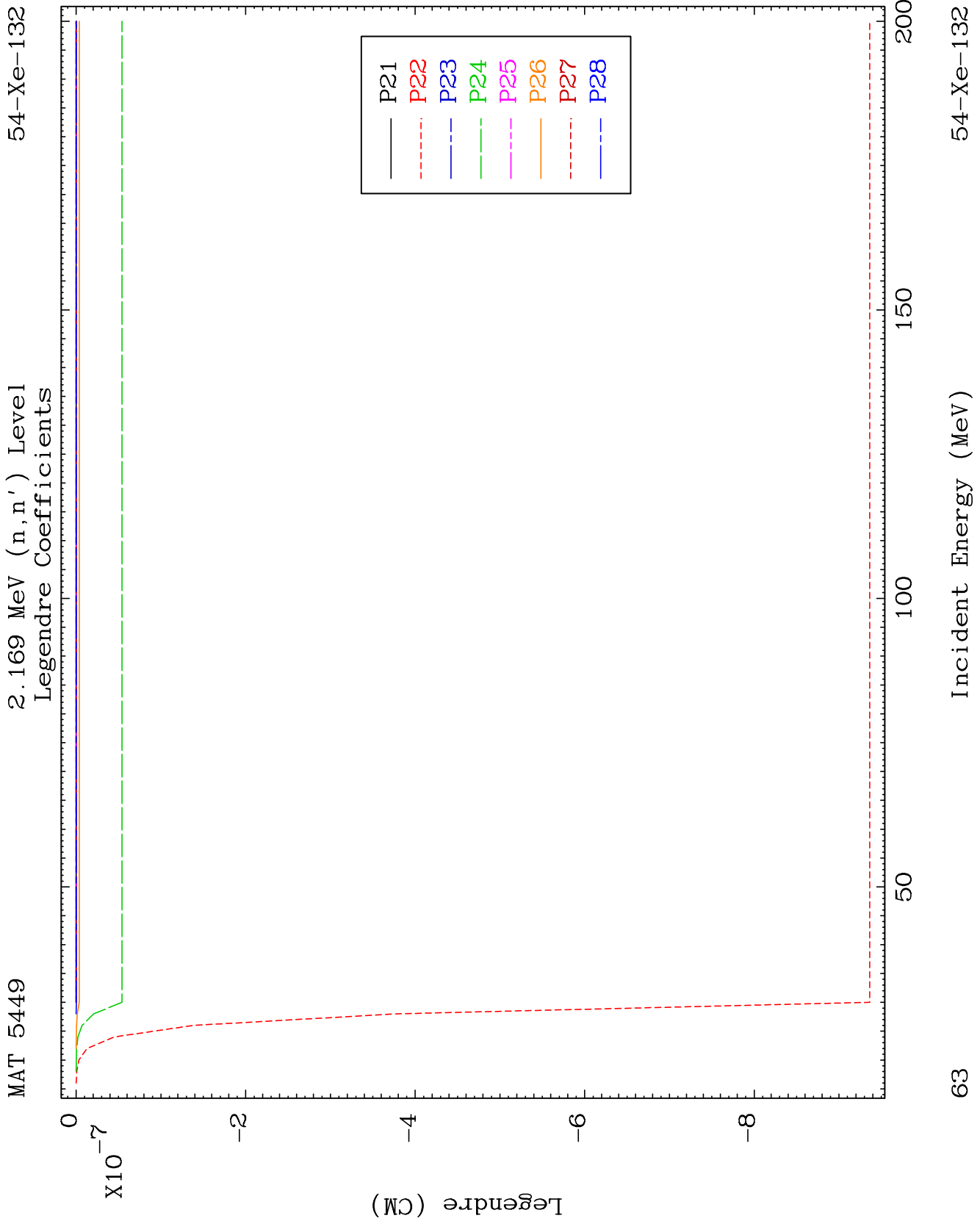
2.169 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



62

54-Xe-132

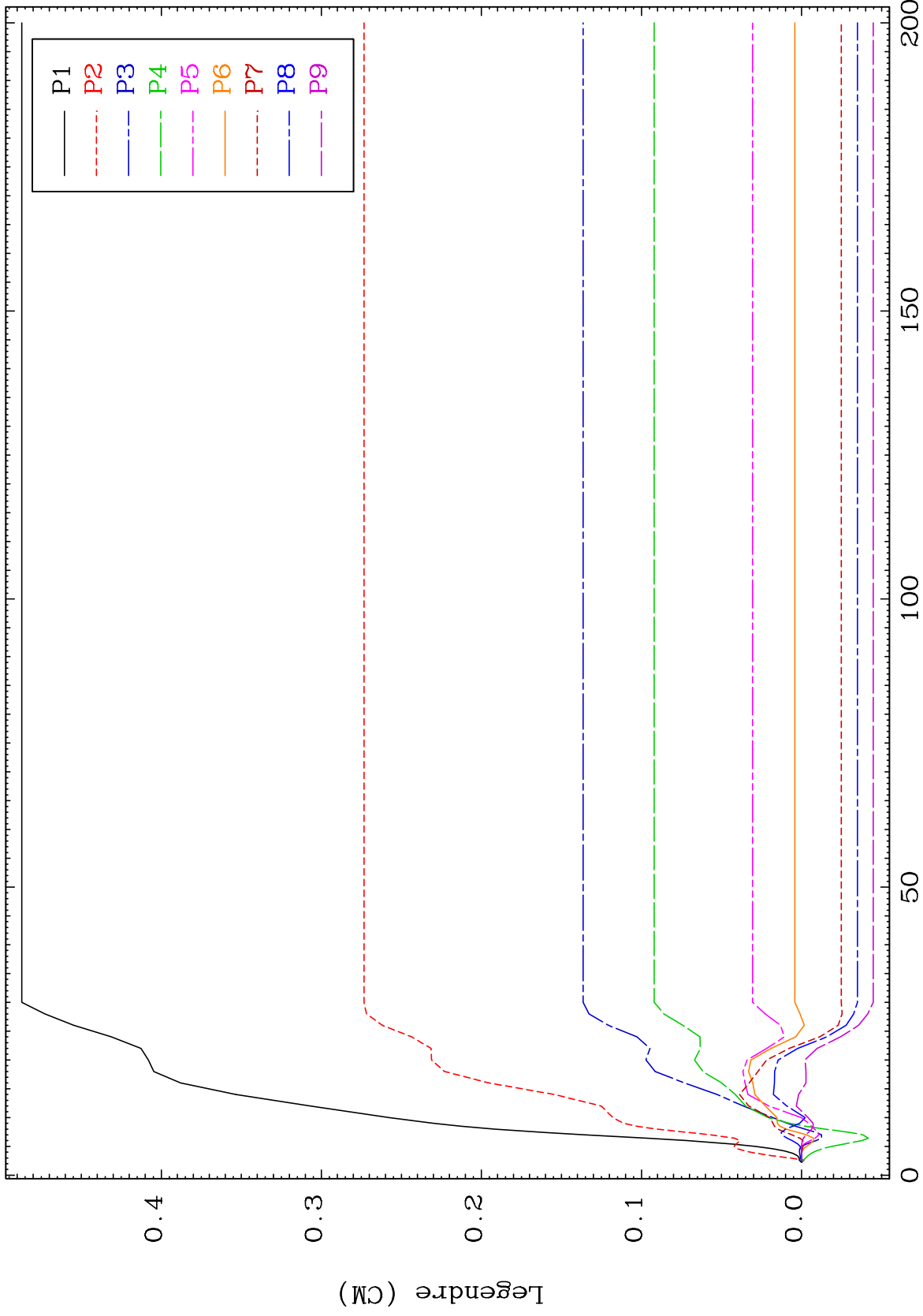




MAT 5449

2.187 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

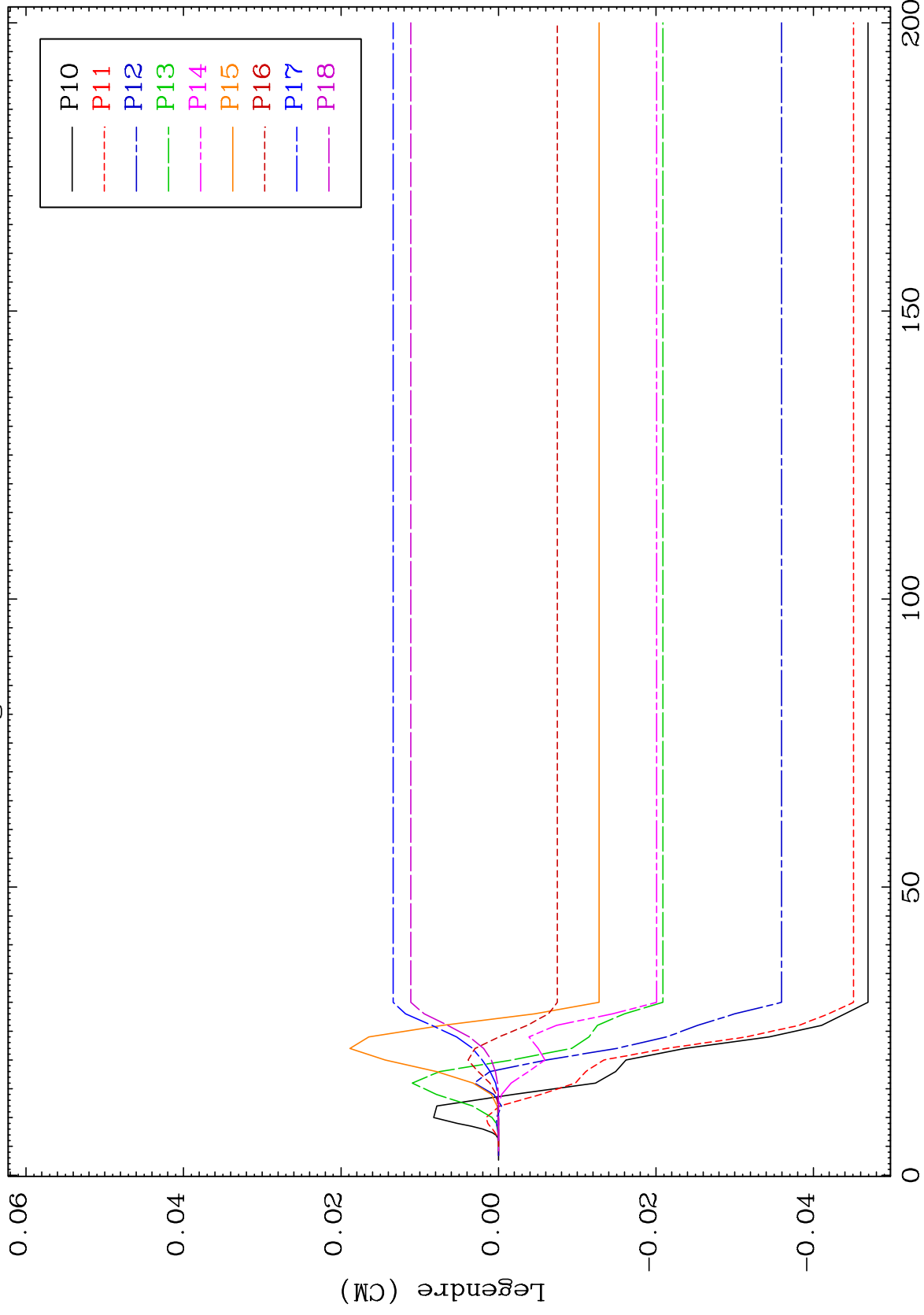
Incident Energy (MeV)

64

MAT 5449

2.187 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



65

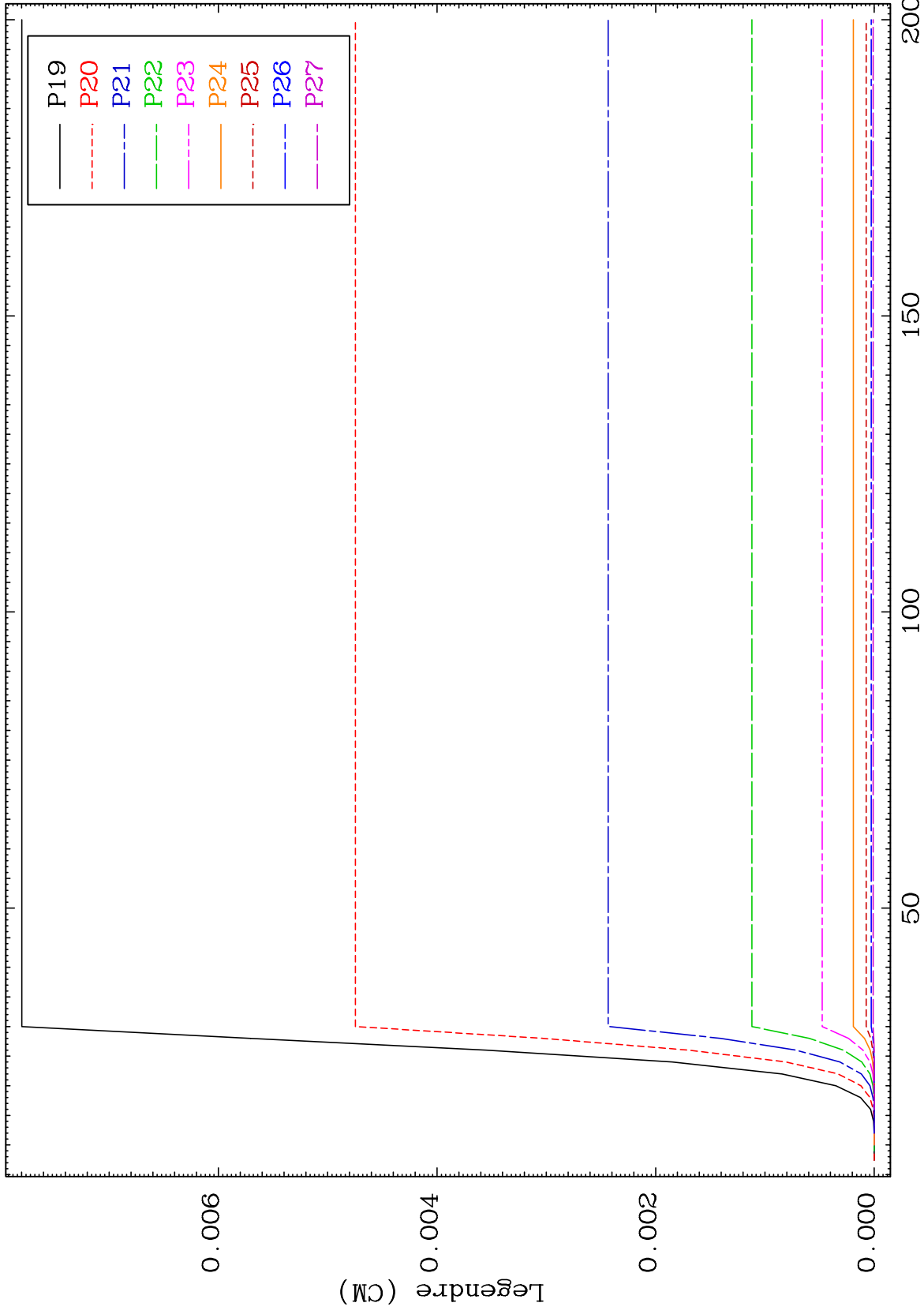
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.187 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



66

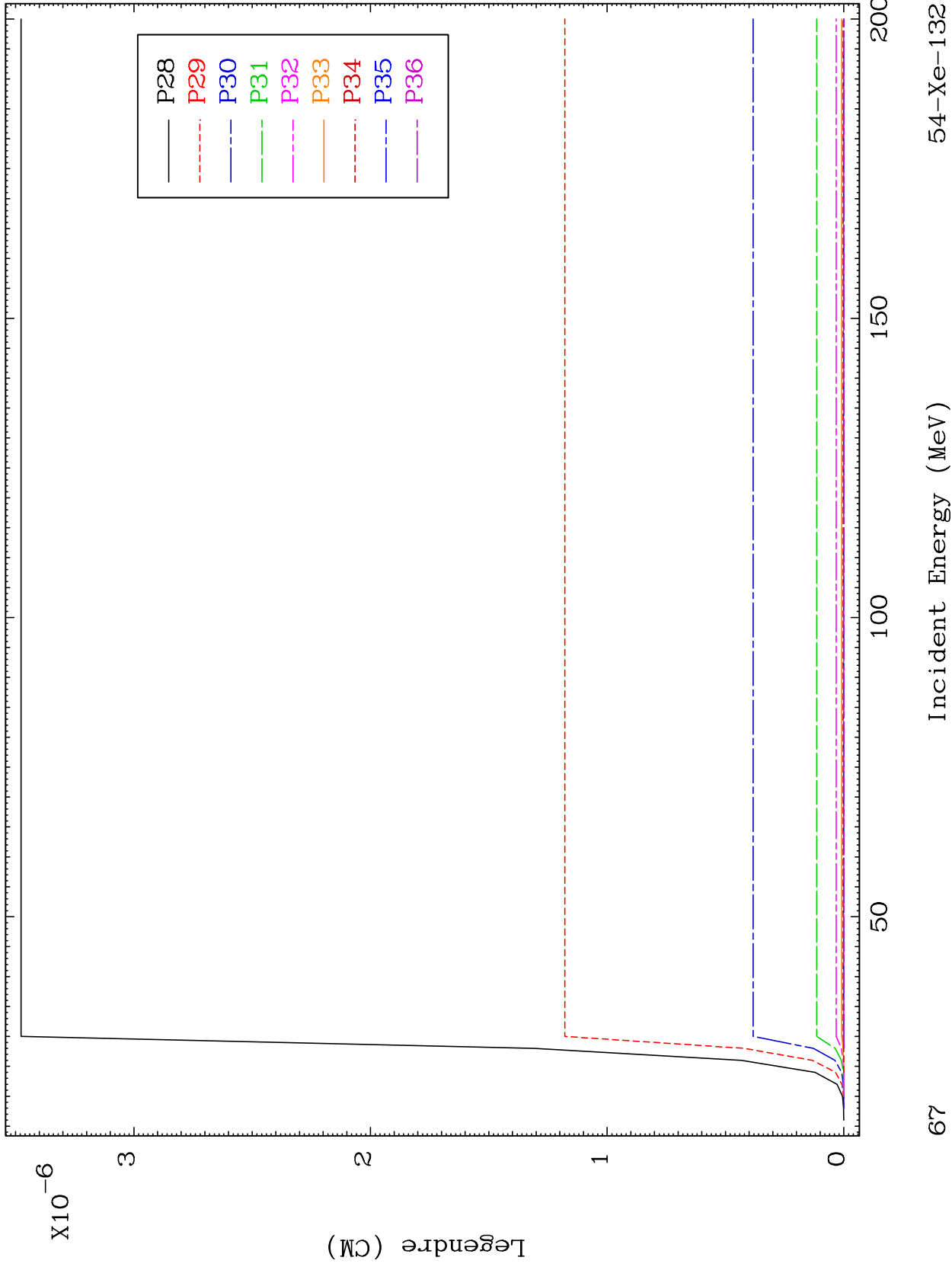
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.187 MeV (n, n') Level  
Legendre Coefficients

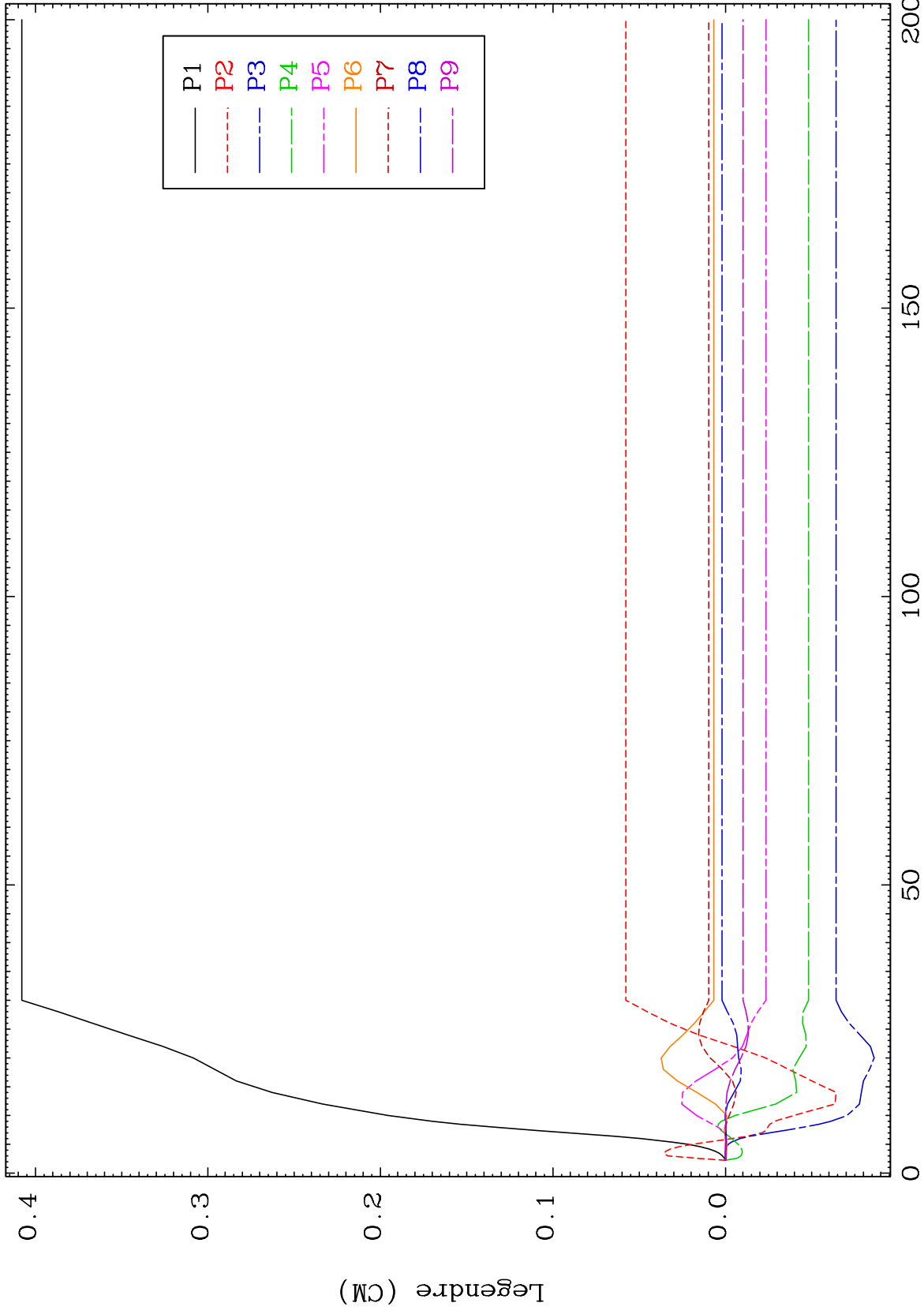
54-Xe-132



MAT 5449

2.214 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



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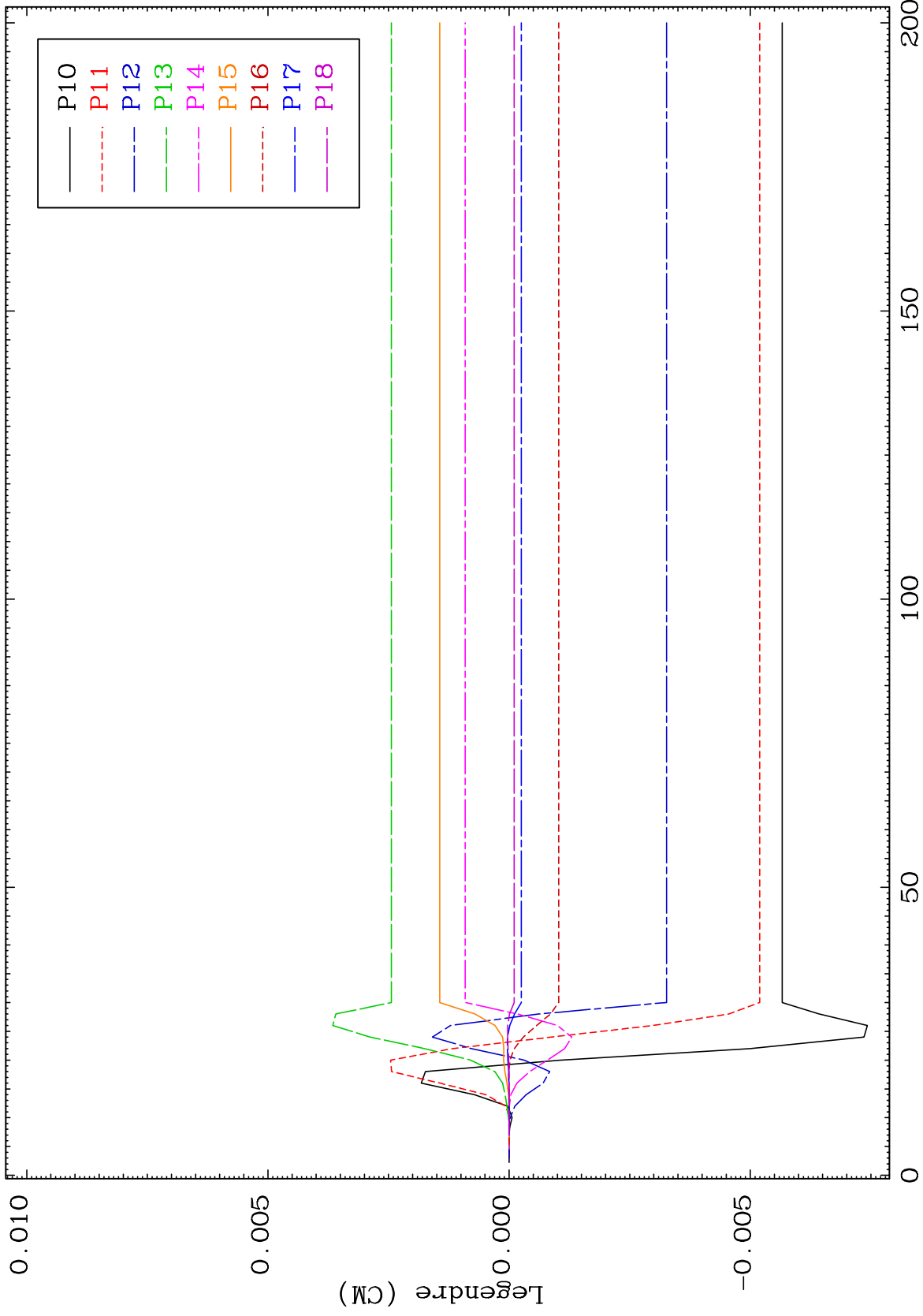
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.214 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



69

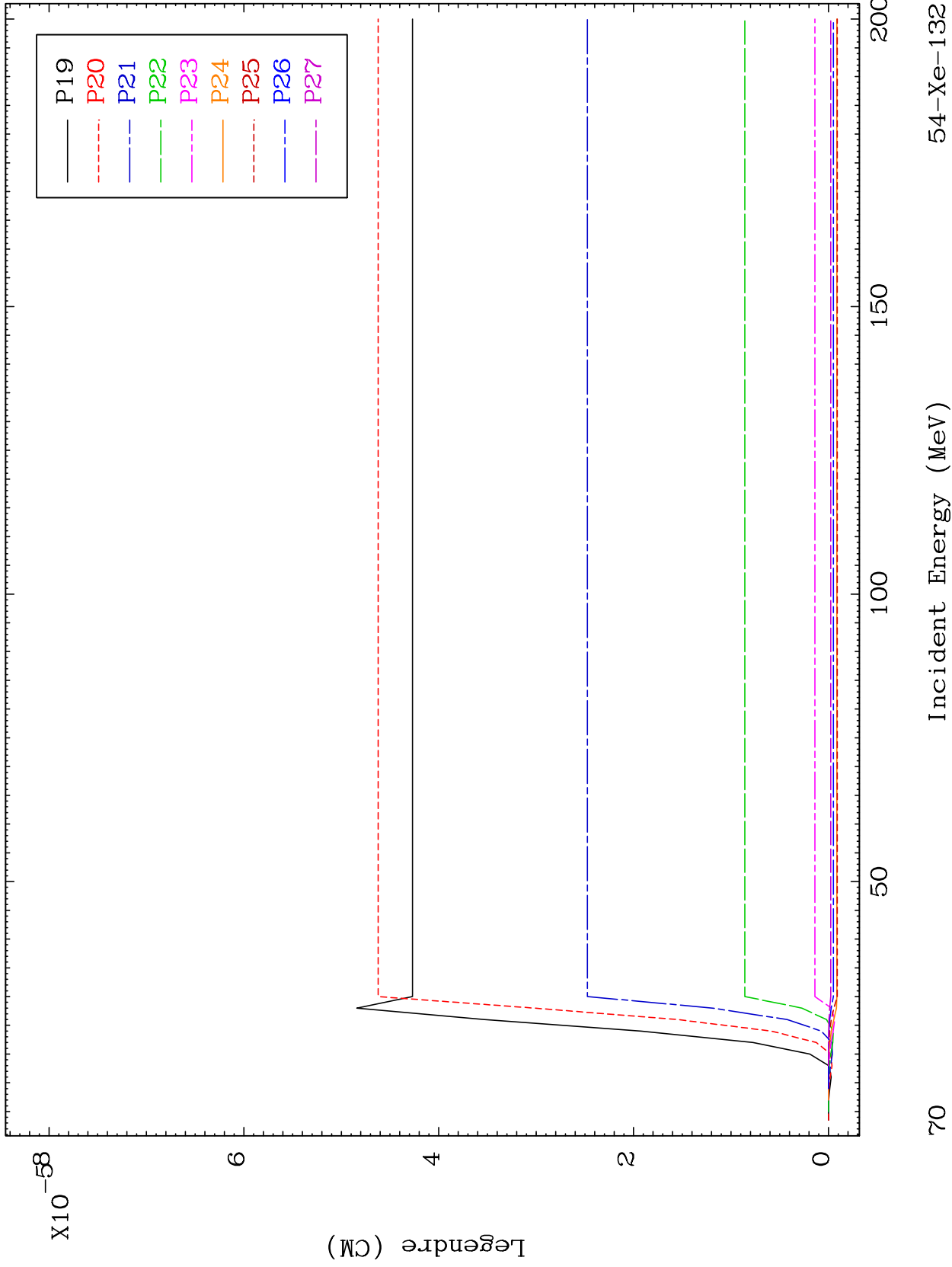
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.214 MeV (n,n') Level  
Legendre Coefficients

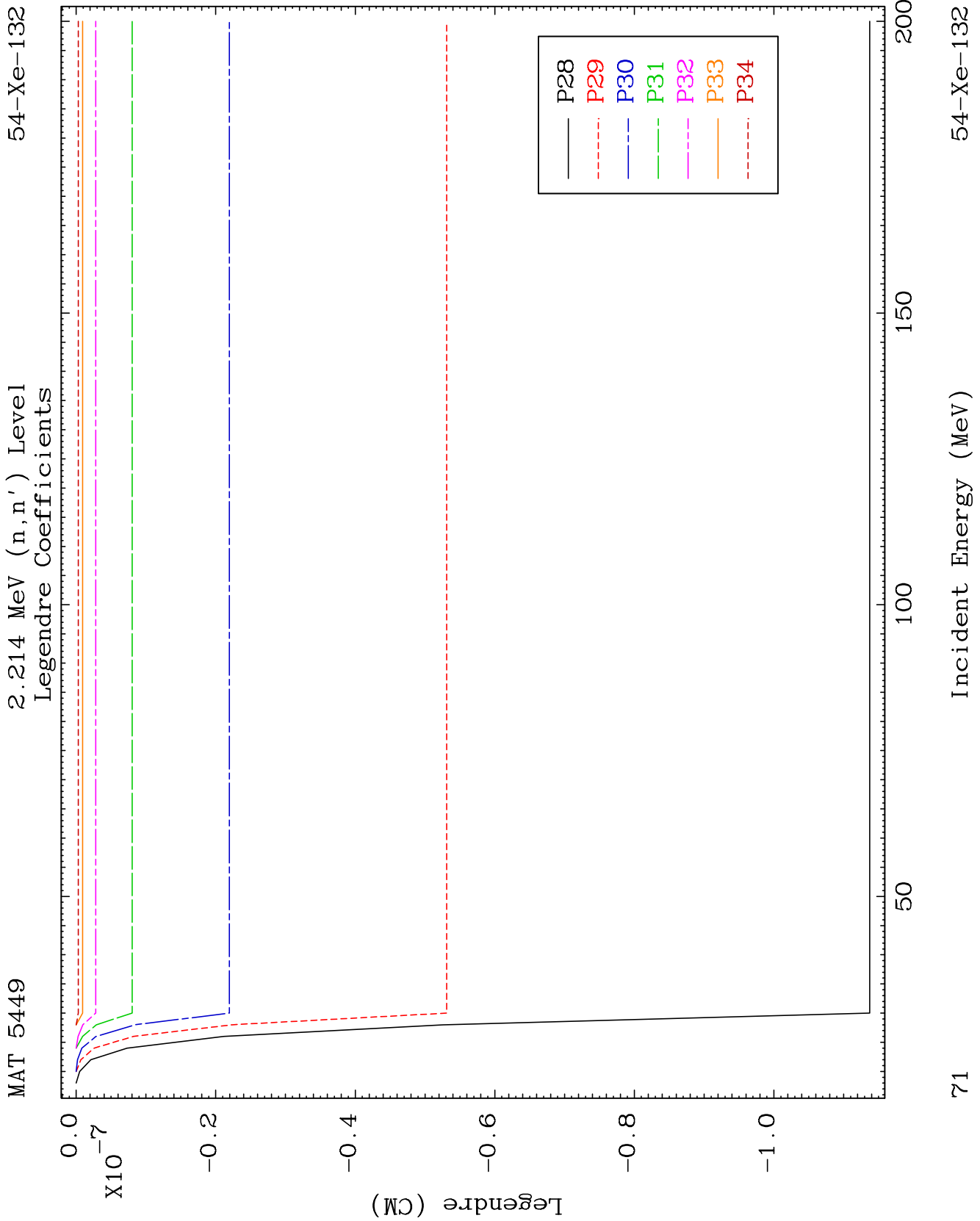
54-Xe-132



70

Incident Energy (MeV)

54-Xe-132

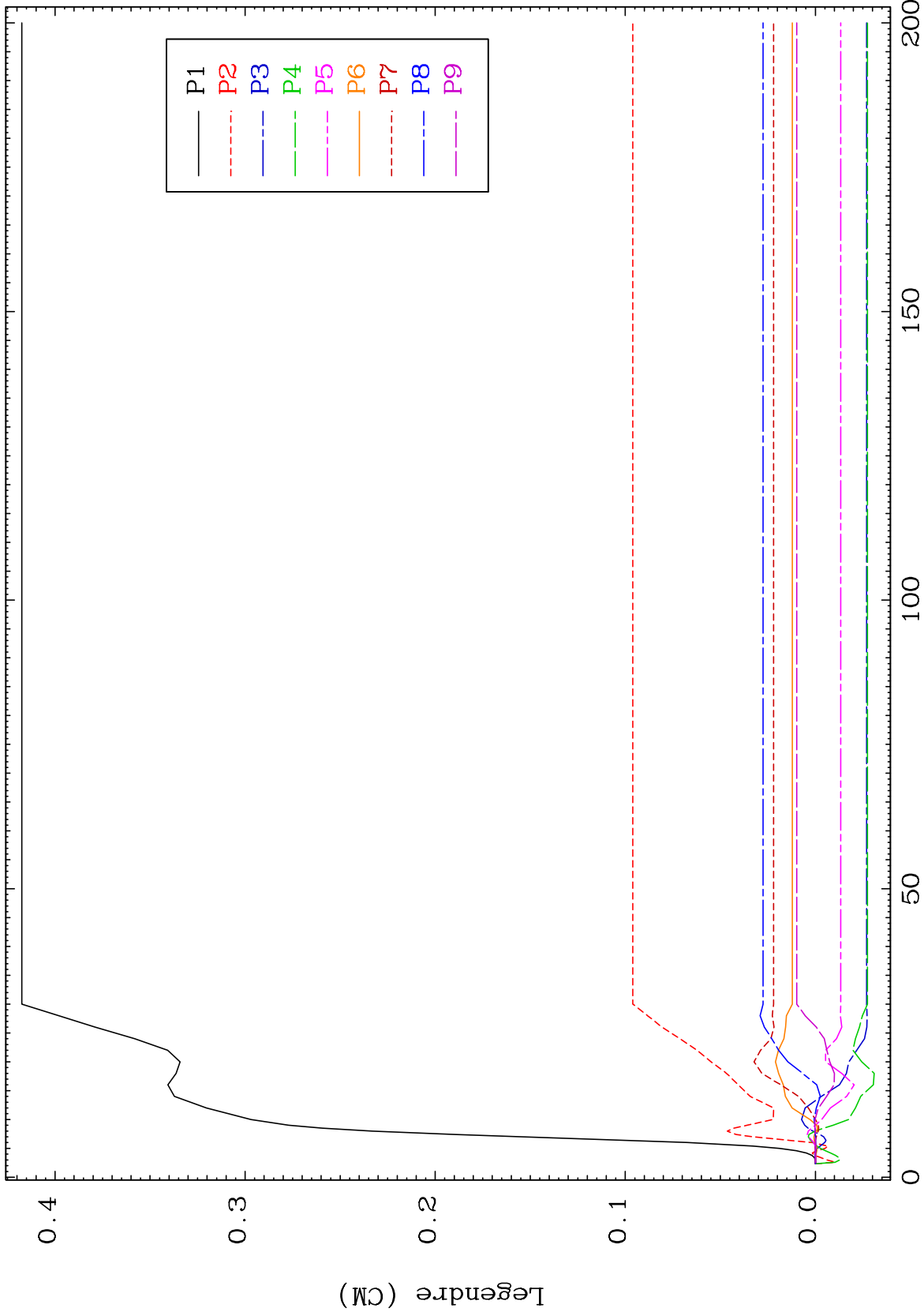




MAT 5449

2.303 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



72

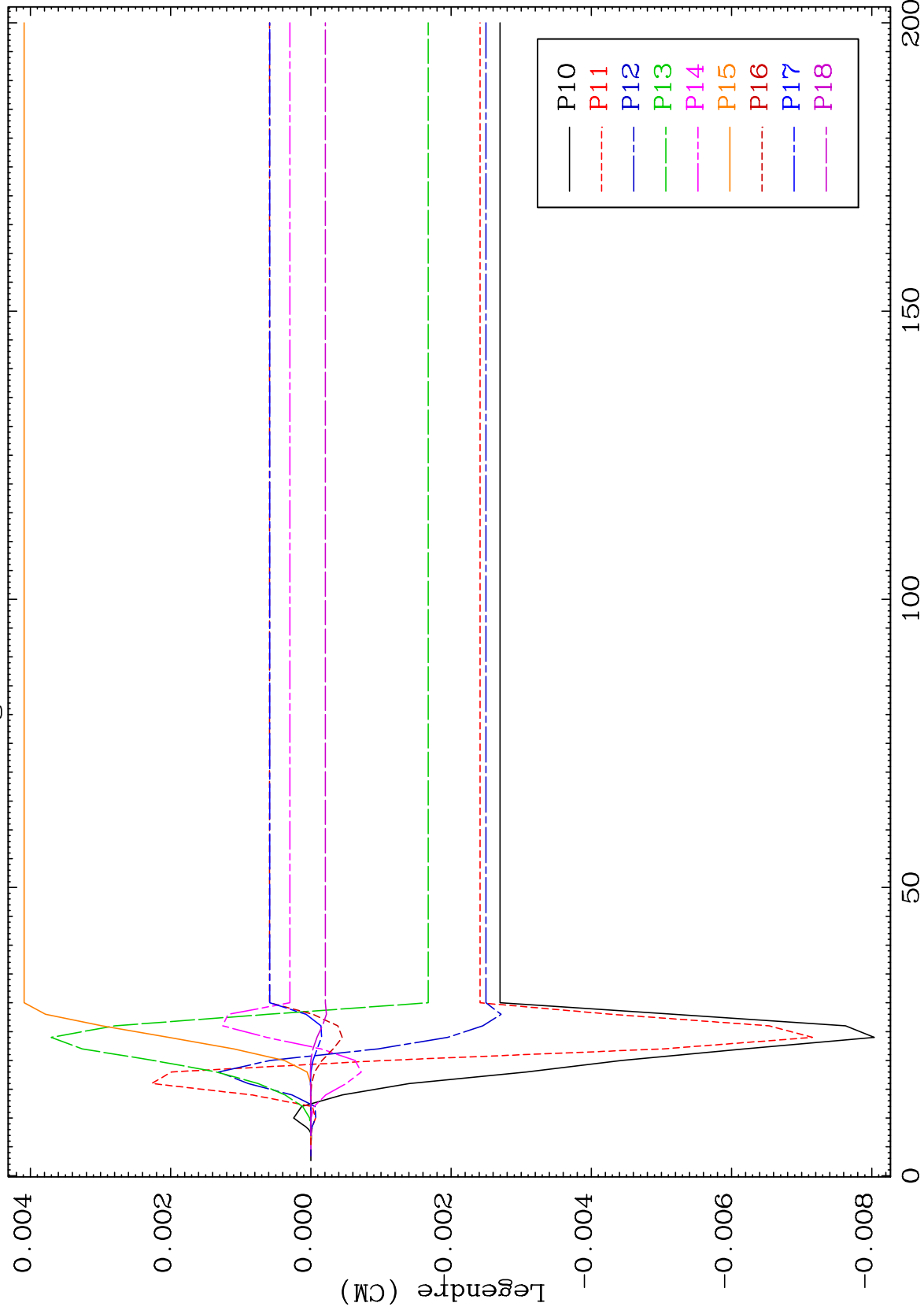
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.303 MeV (n,n') Level  
Legendre Coefficients

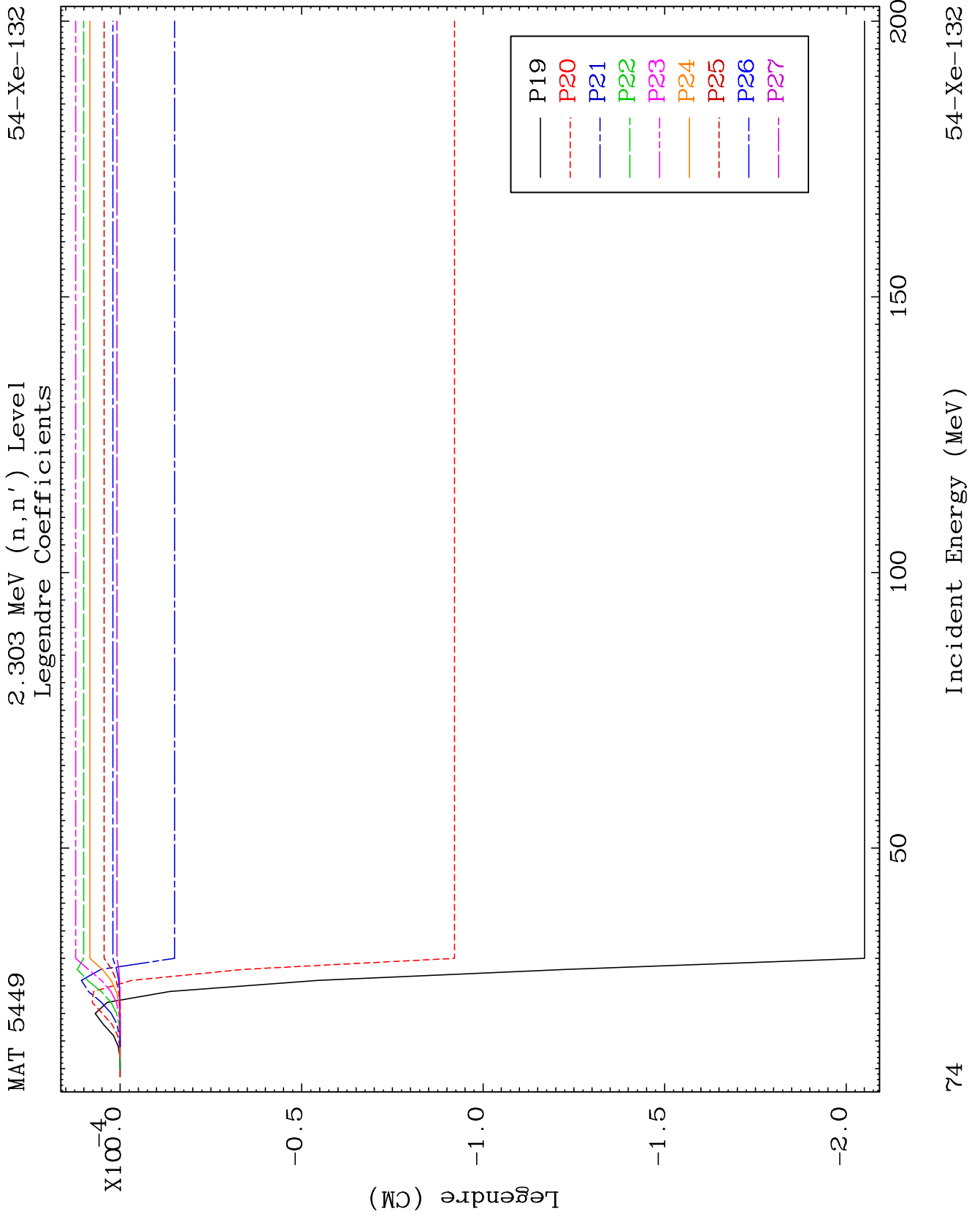
54-Xe-132



73

Incident Energy (MeV)

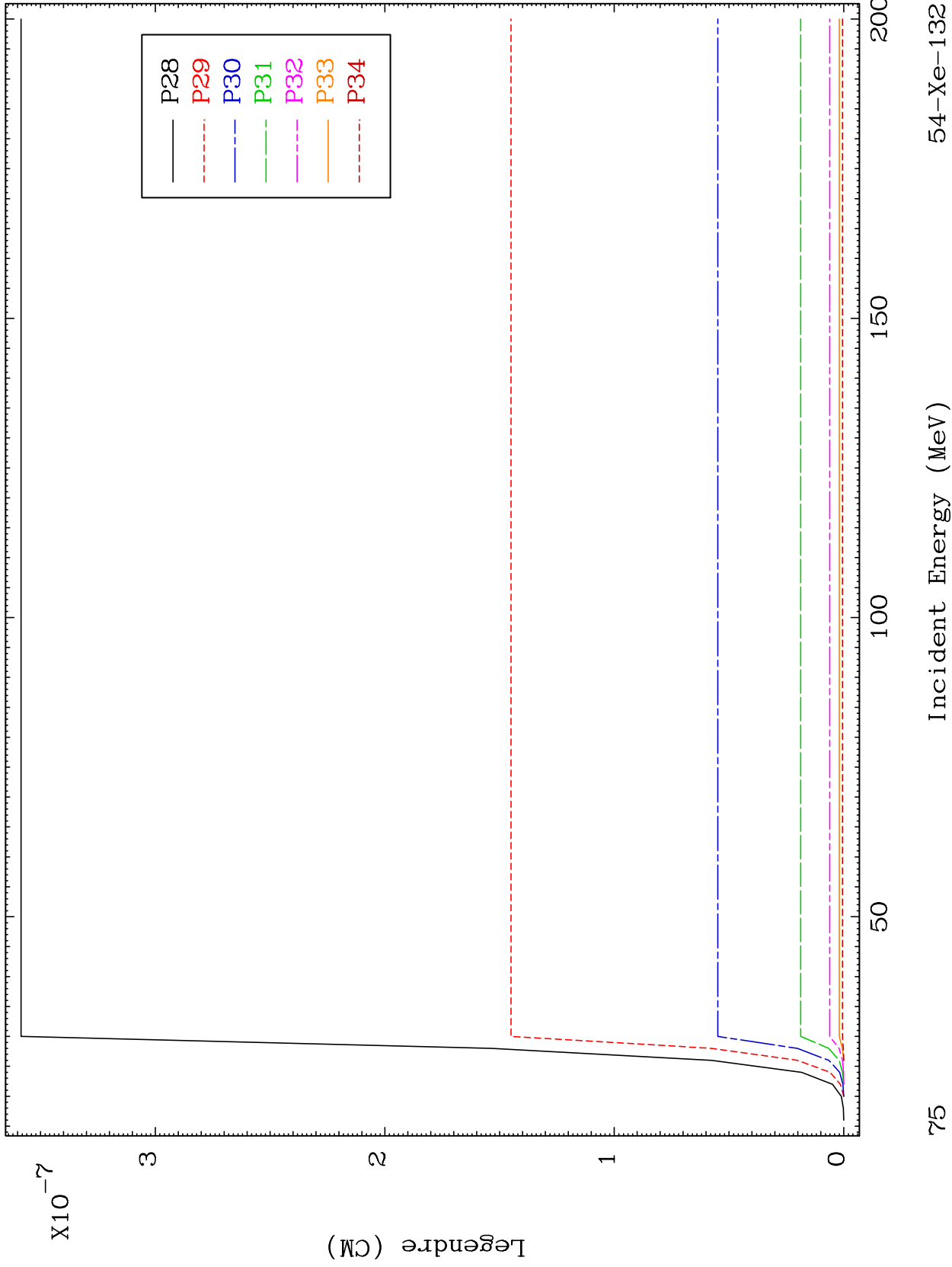
54-Xe-132



MAT 5449

2.303 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



75

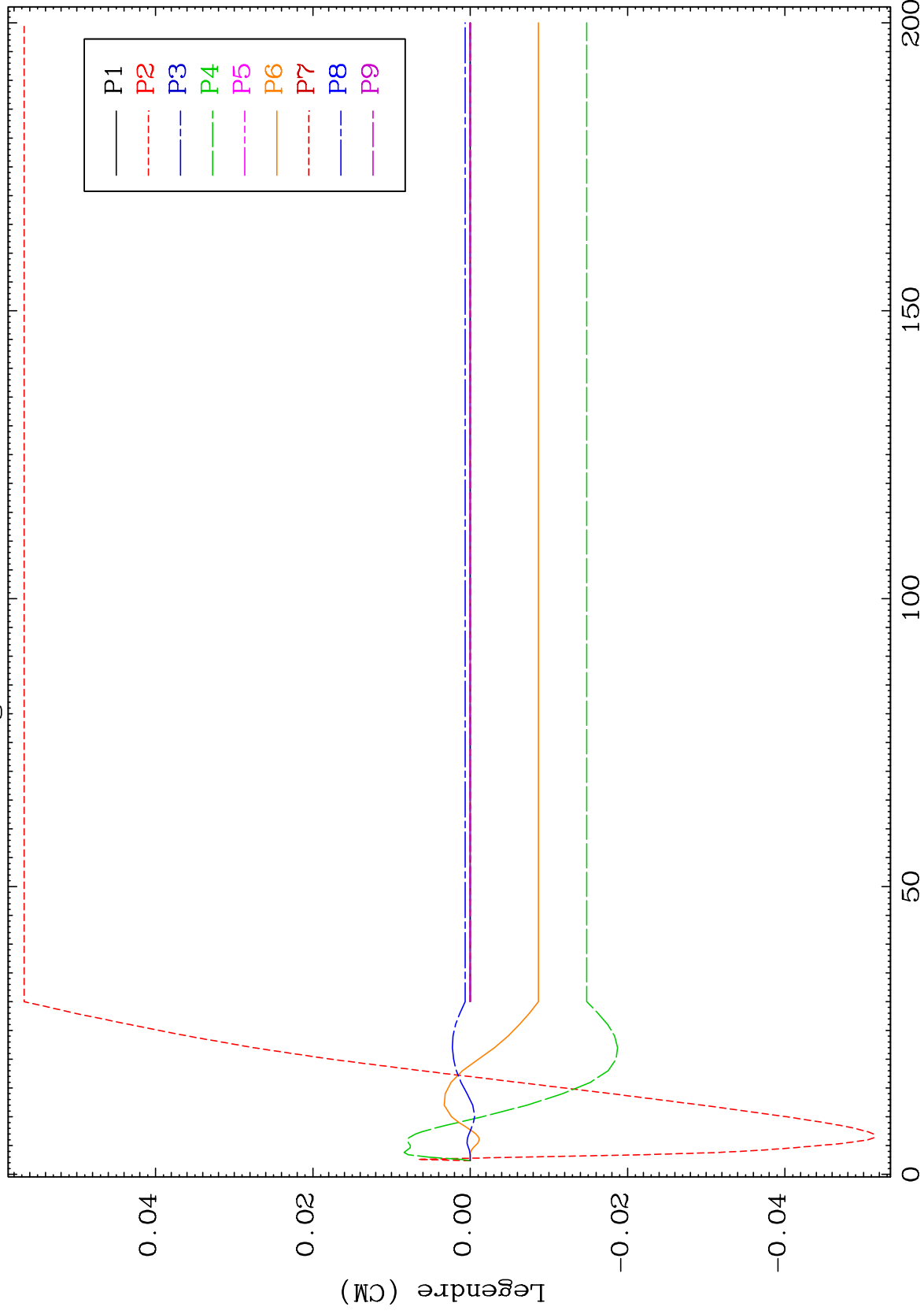
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.351 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



76

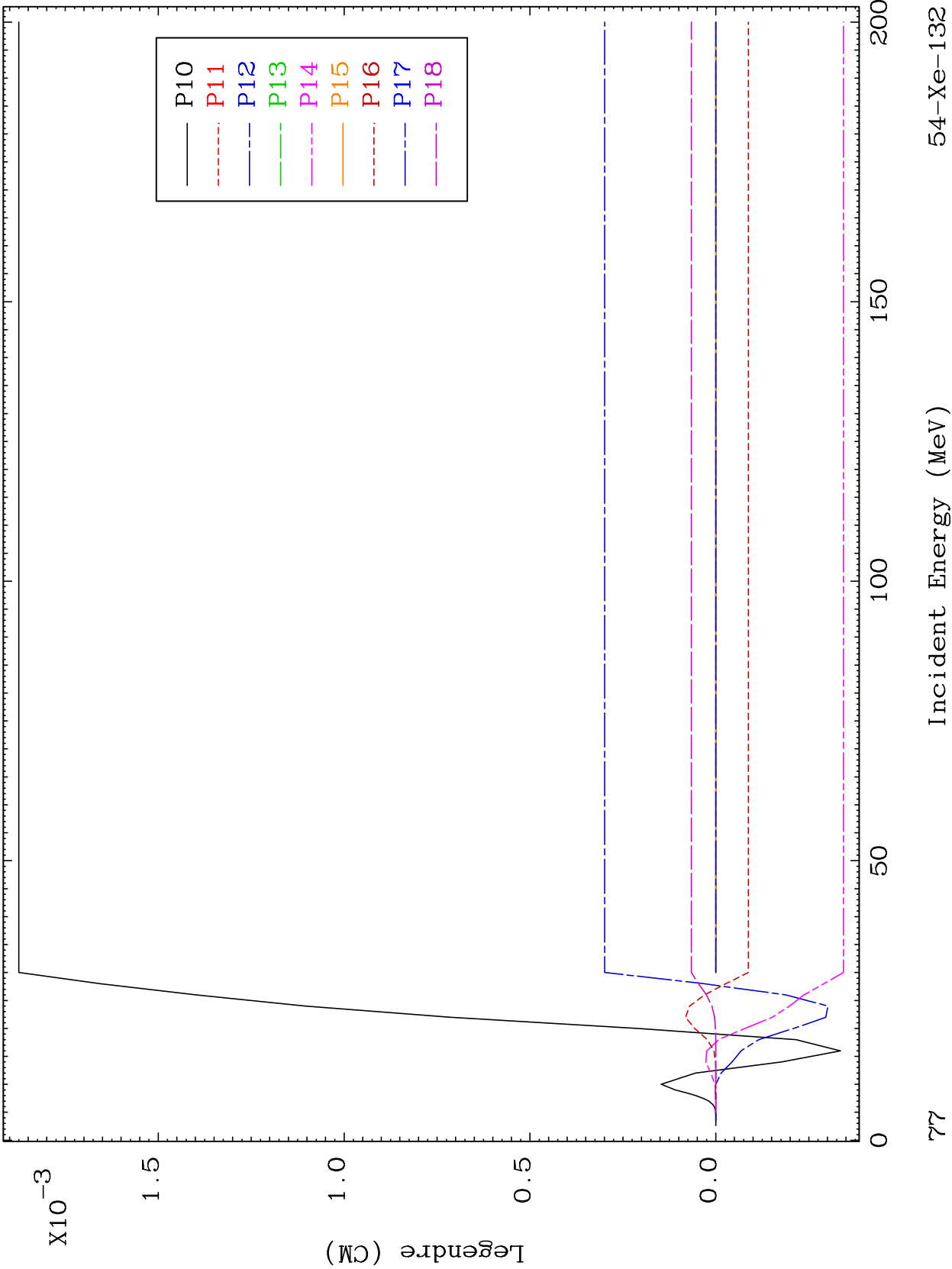
Incident Energy (MeV)

54-Xe-132

MAT 5449

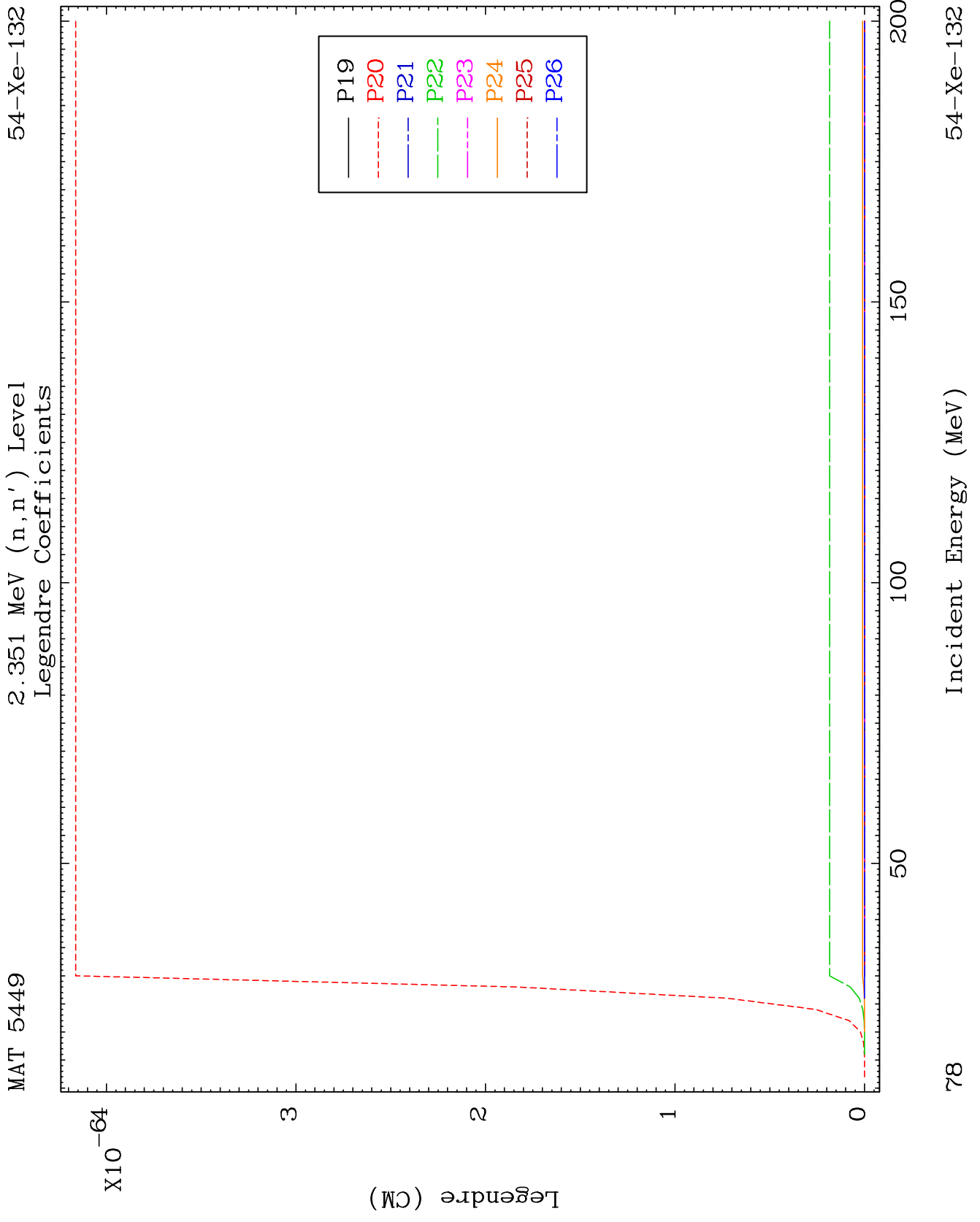
2.351 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



77

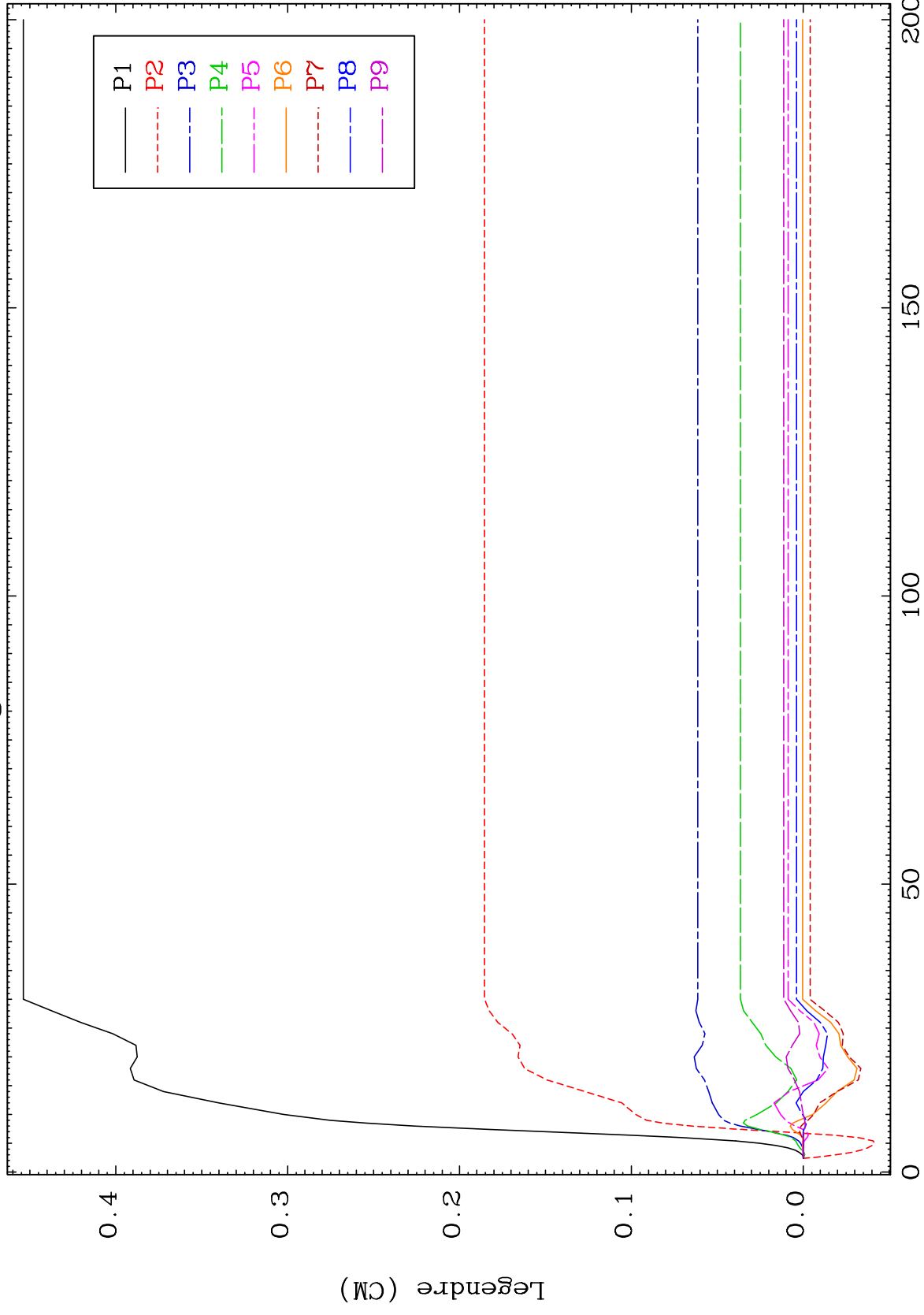
54-Xe-132



MAT 5449

2.353 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



79

Incident Energy (MeV)

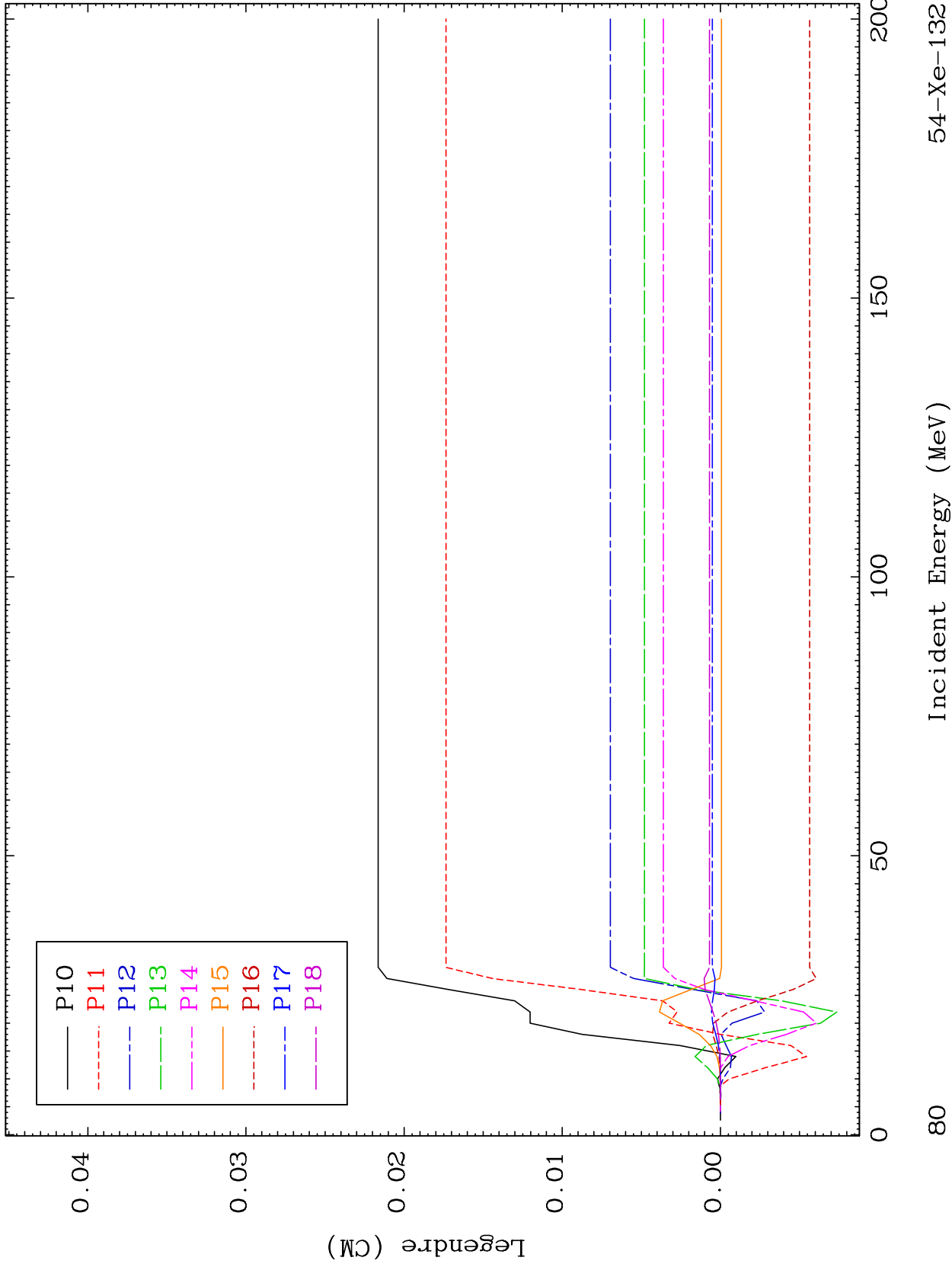
54-Xe-132



MAT 5449

2.353 MeV (n,n') Level  
Legendre Coefficients

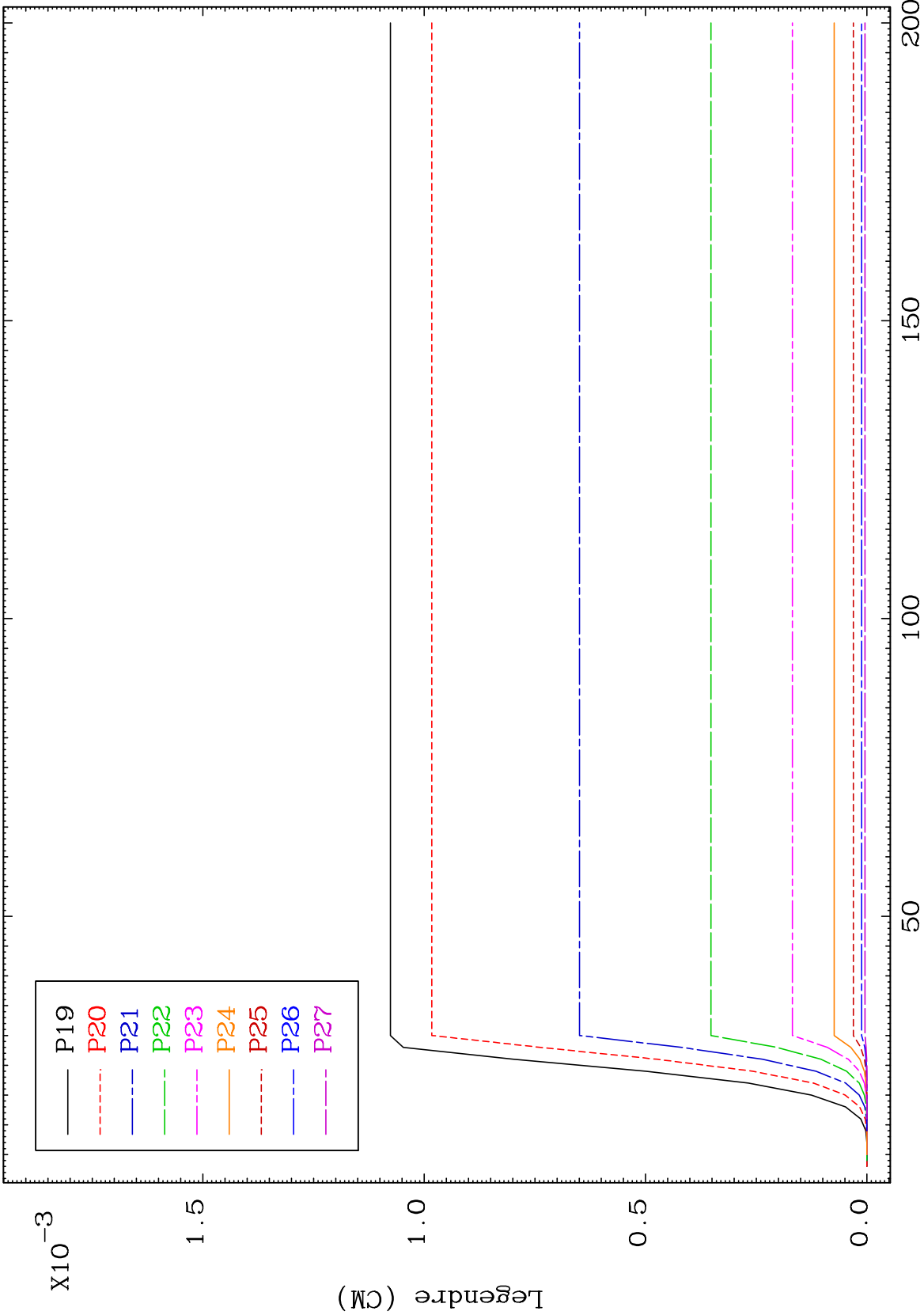
54-Xe-132



54-Xe-132

Incident Energy (MeV)

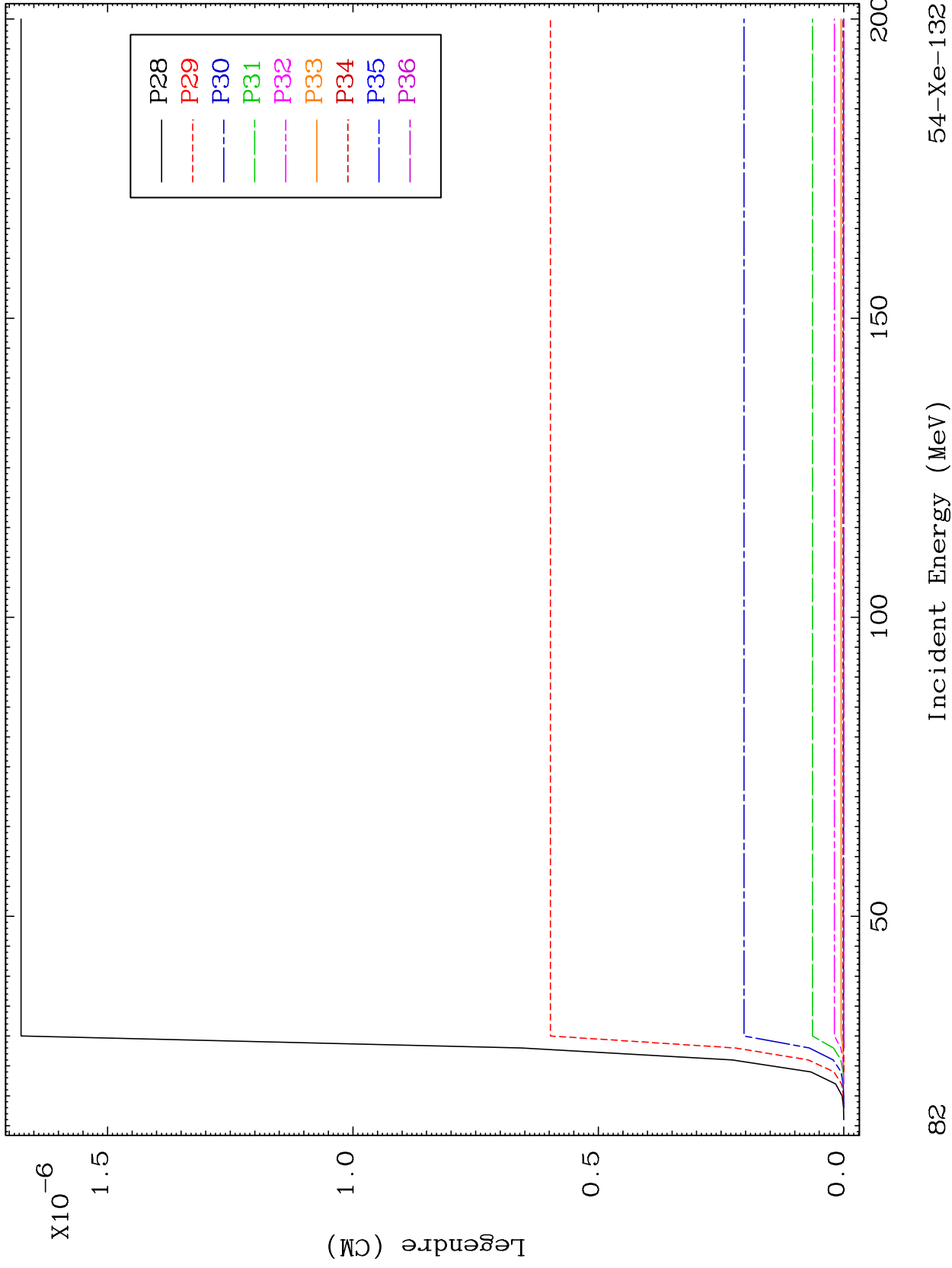
80



MAT 5449

2.353 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



82

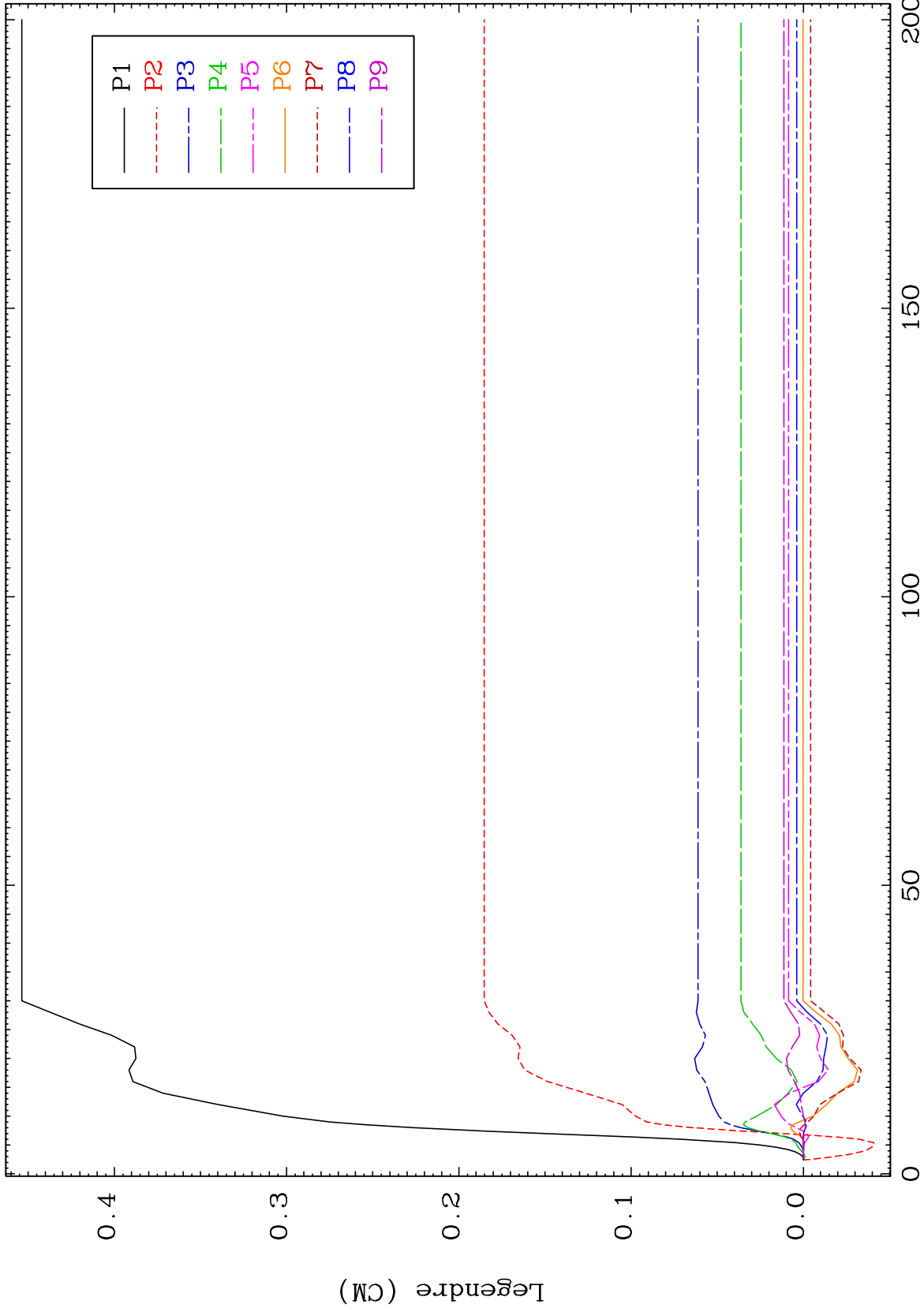
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.395 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



83

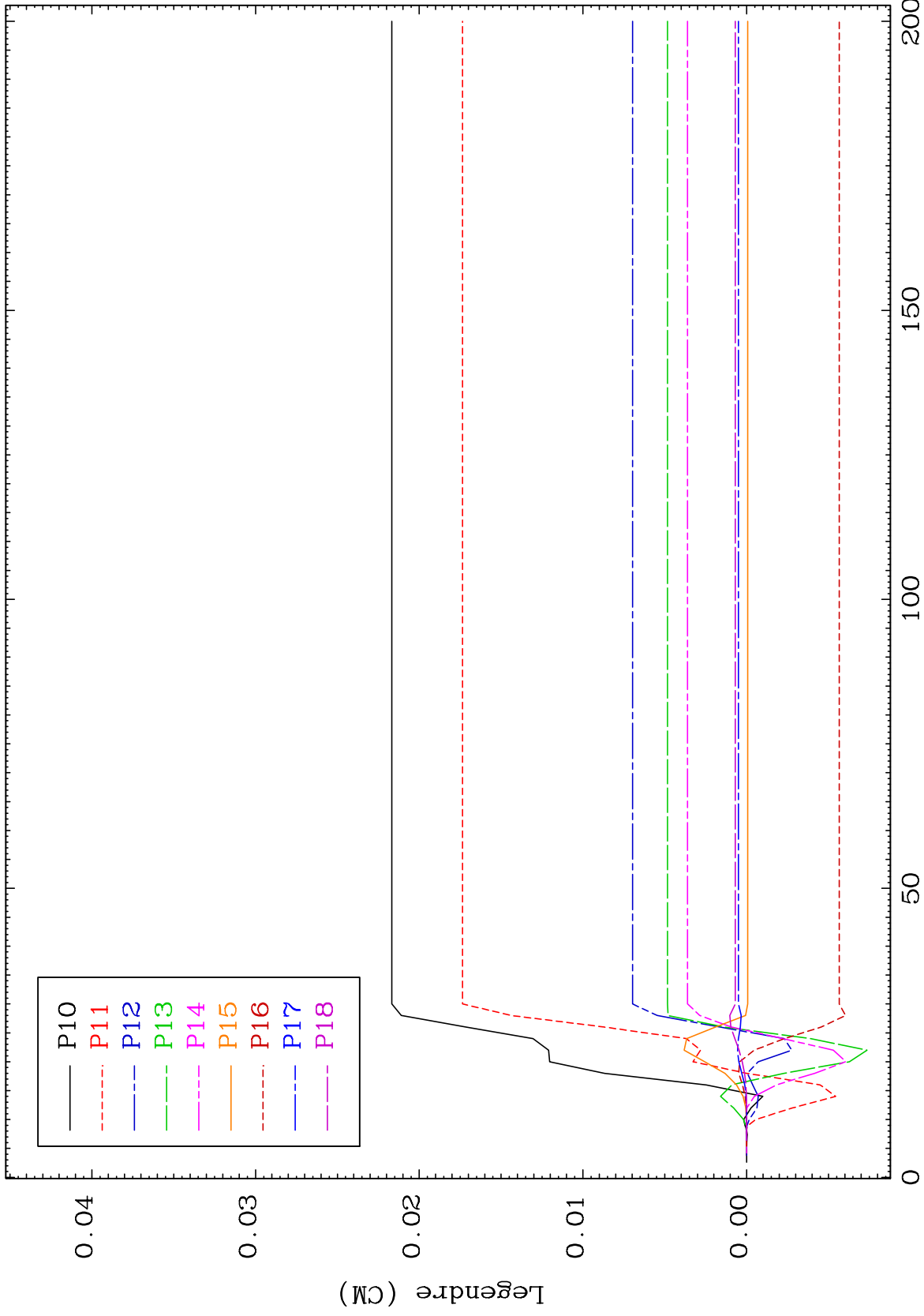
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.395 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



84

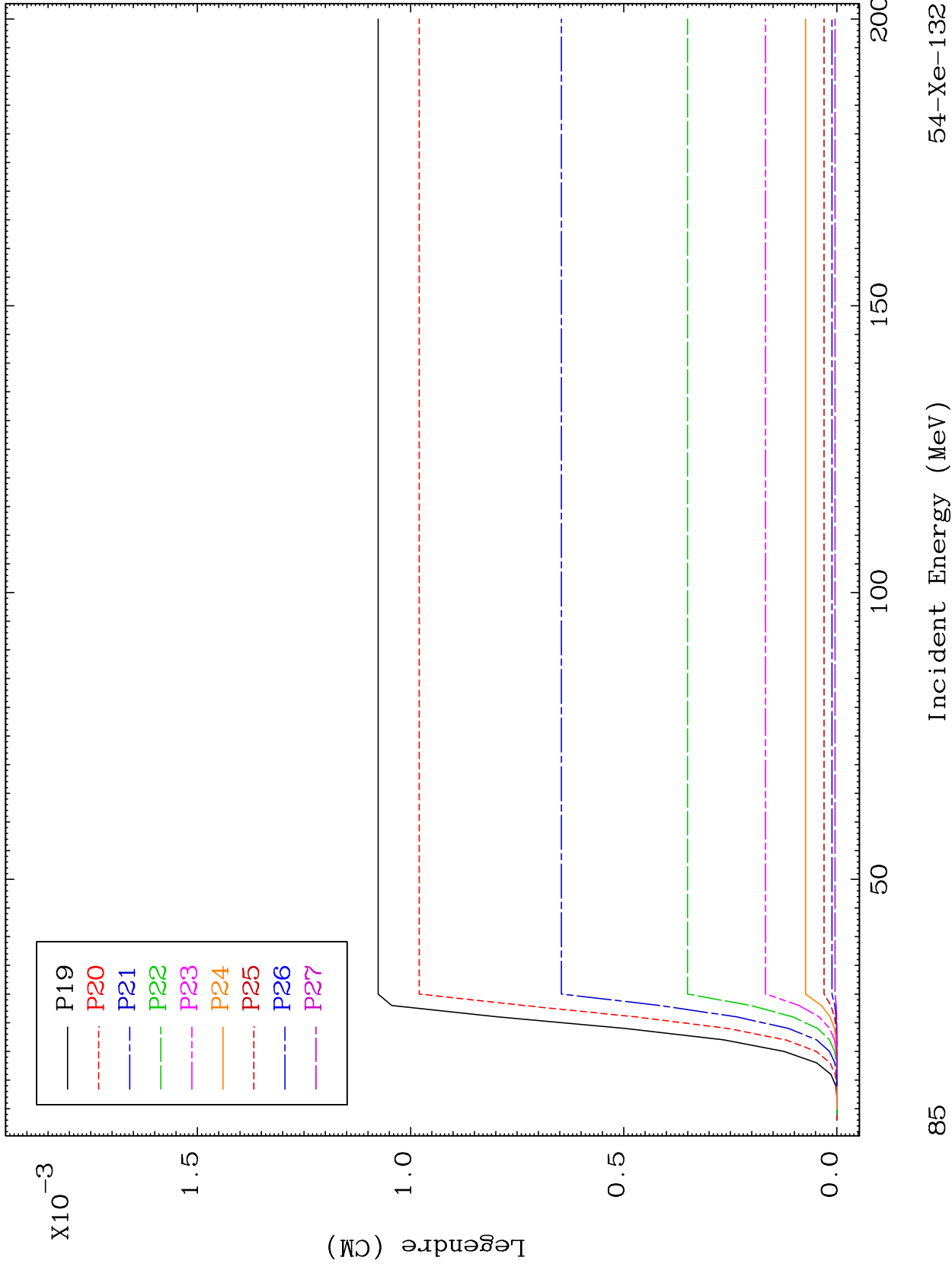
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.395 MeV (n, n') Level  
Legendre Coefficients

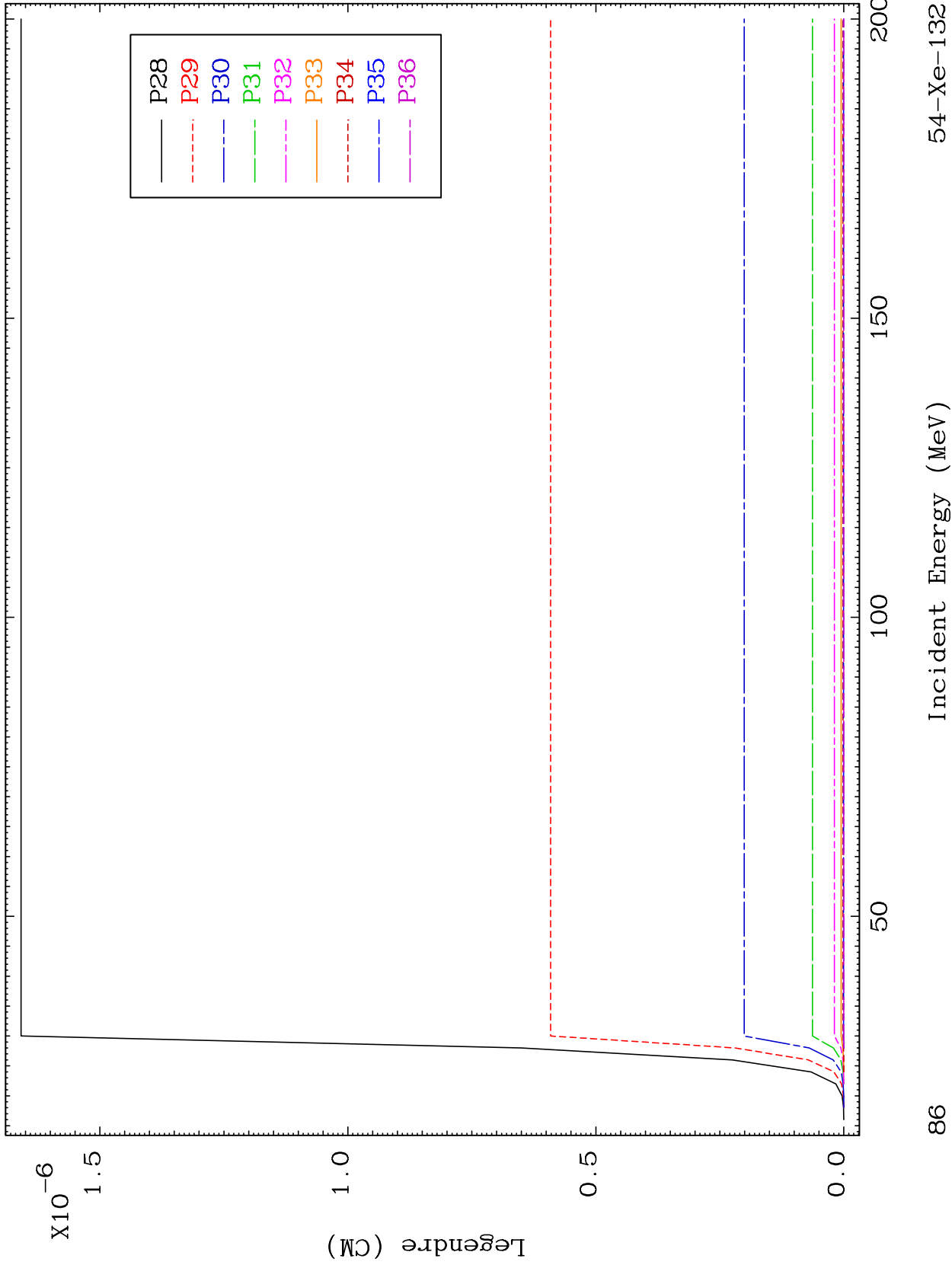
54-Xe-132



MAT 5449

2.395 MeV (n,n') Level  
Legendre Coefficients

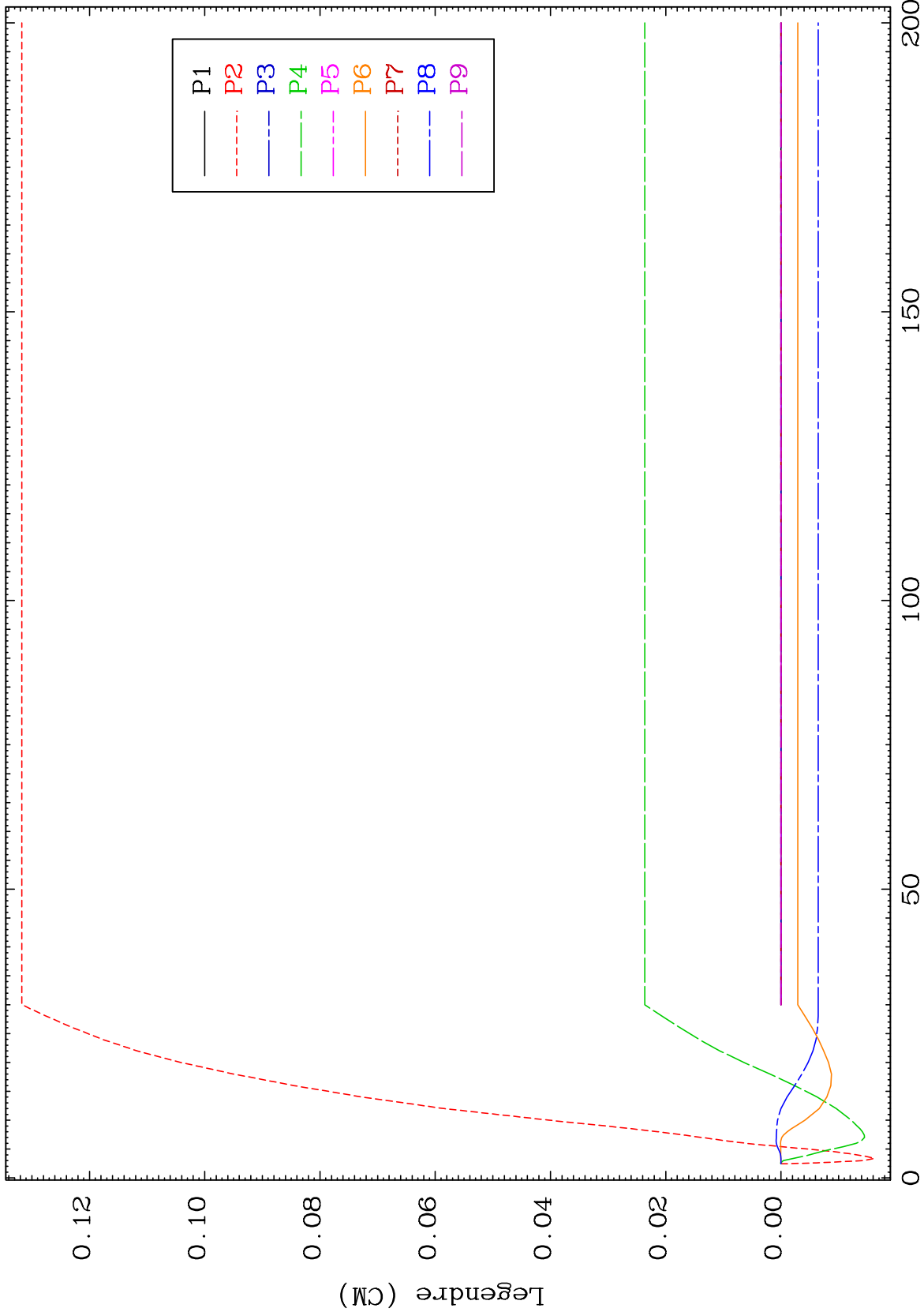
54-Xe-132



MAT 5449

2.425 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



87

Incident Energy (MeV)

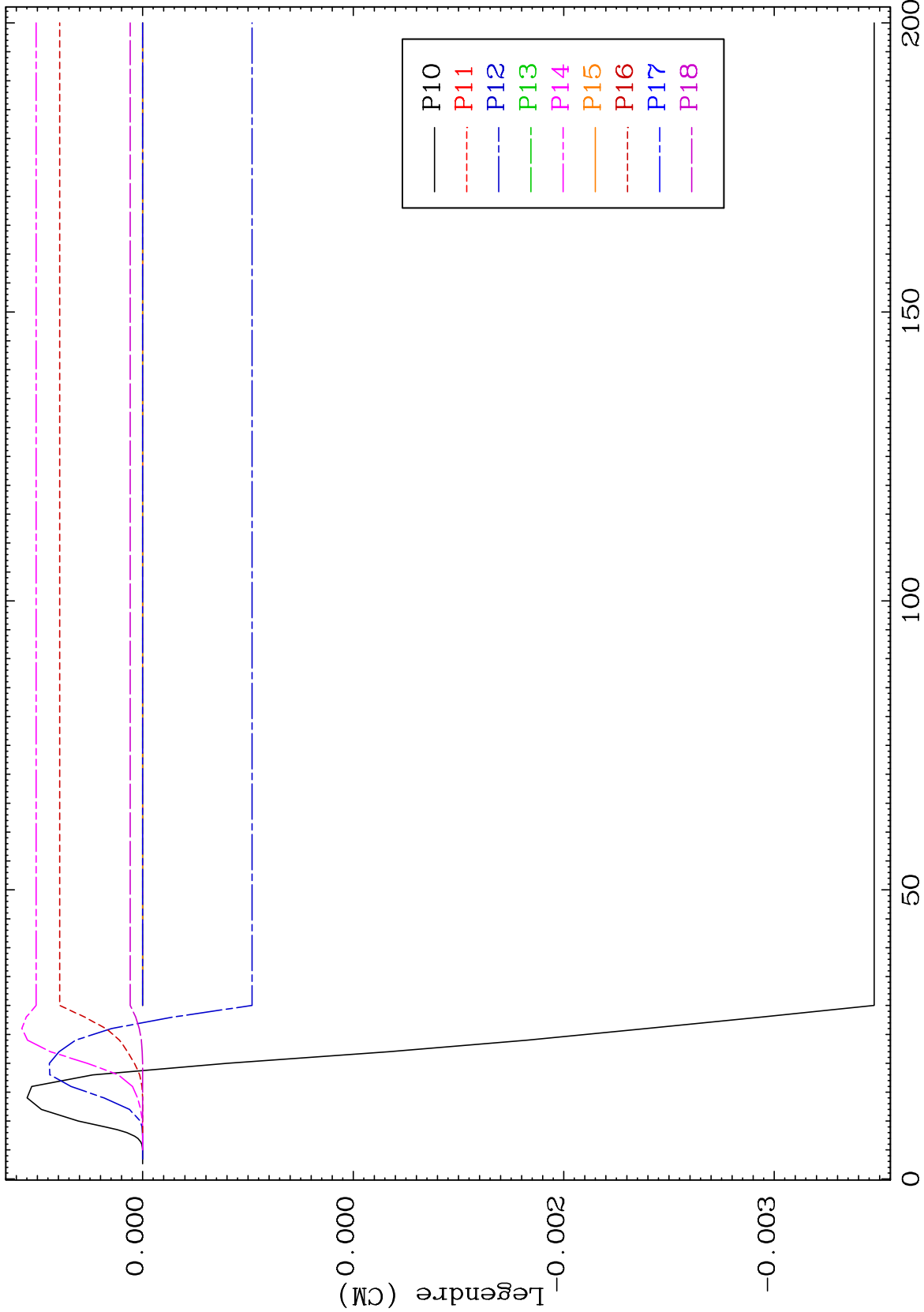
54-Xe-132



MAT 5449

2.425 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



88

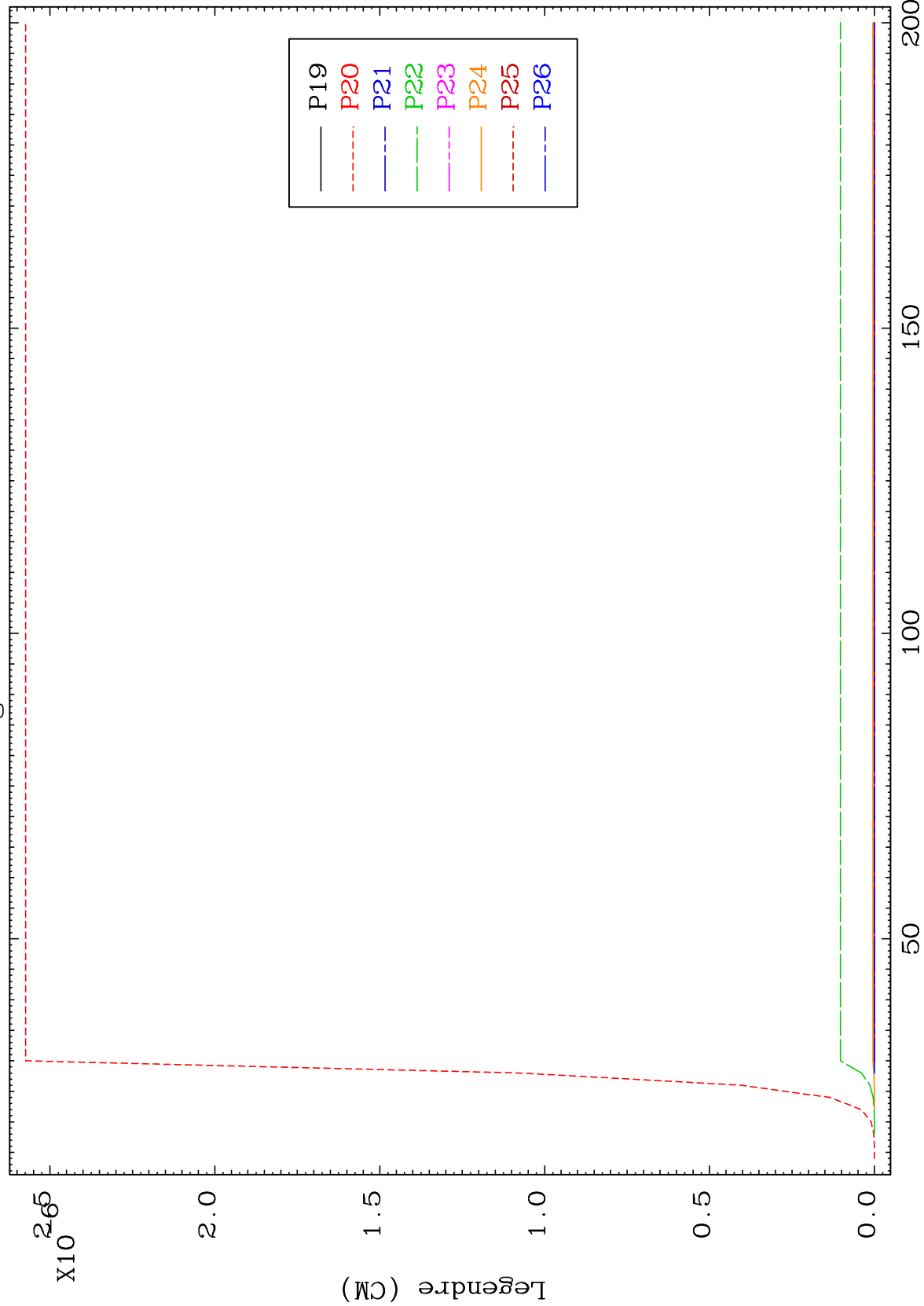
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.425 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

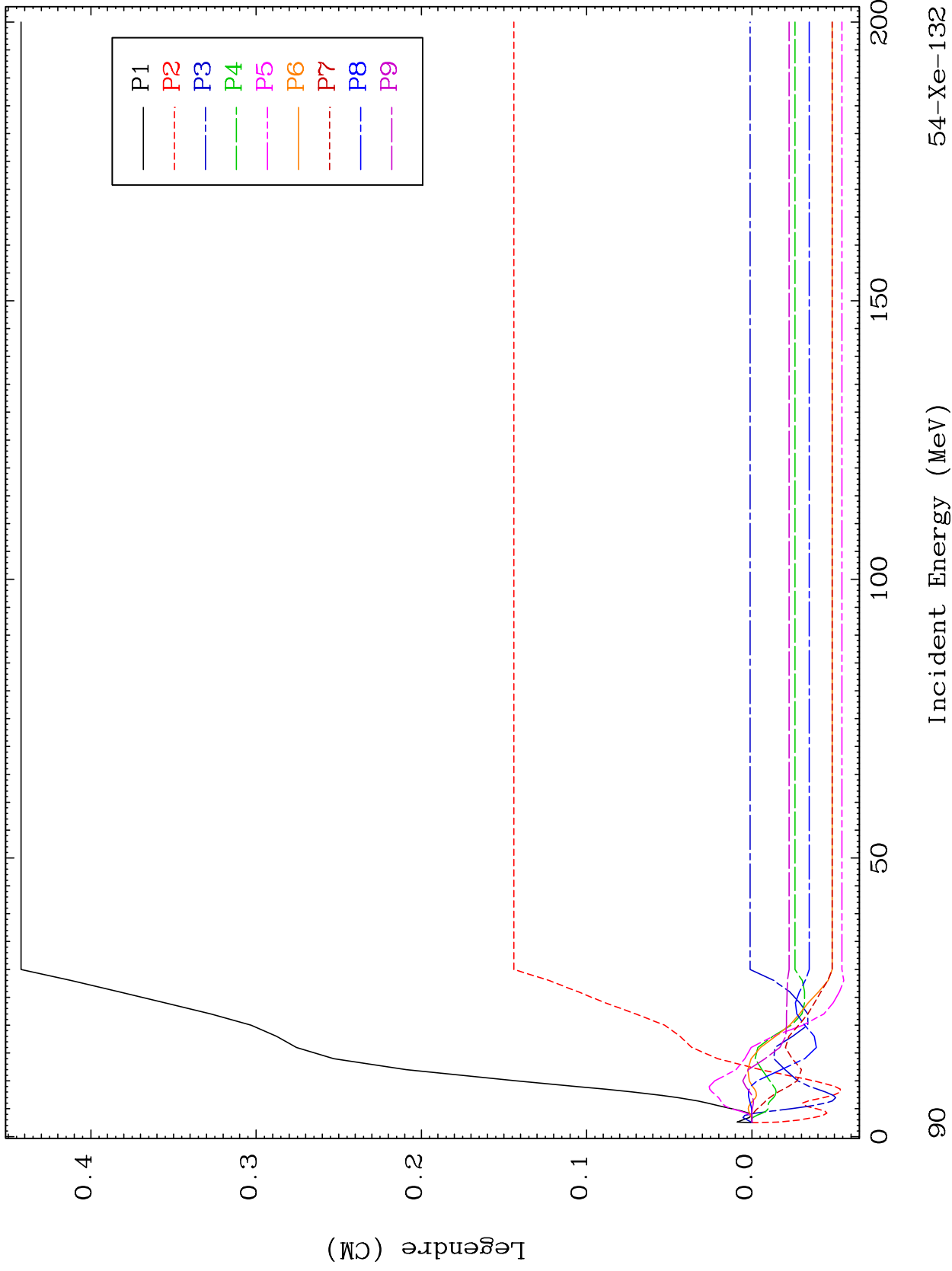
Incident Energy (MeV)

89

MAT 5449

2.469 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



54-Xe-132

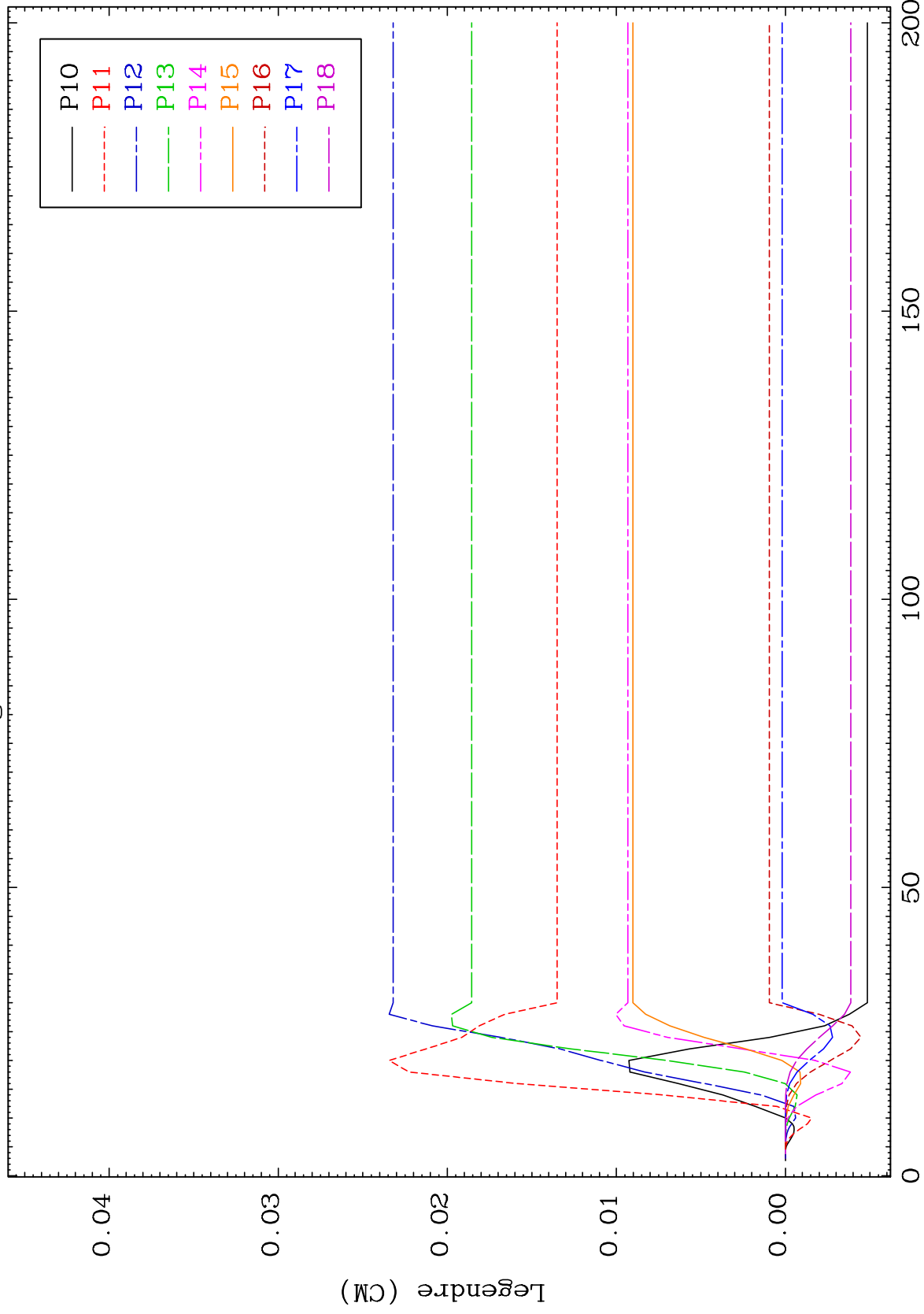
Incident Energy (MeV)

90

MAT 5449

2.469 MeV (n,n') Level  
Legendre Coefficients

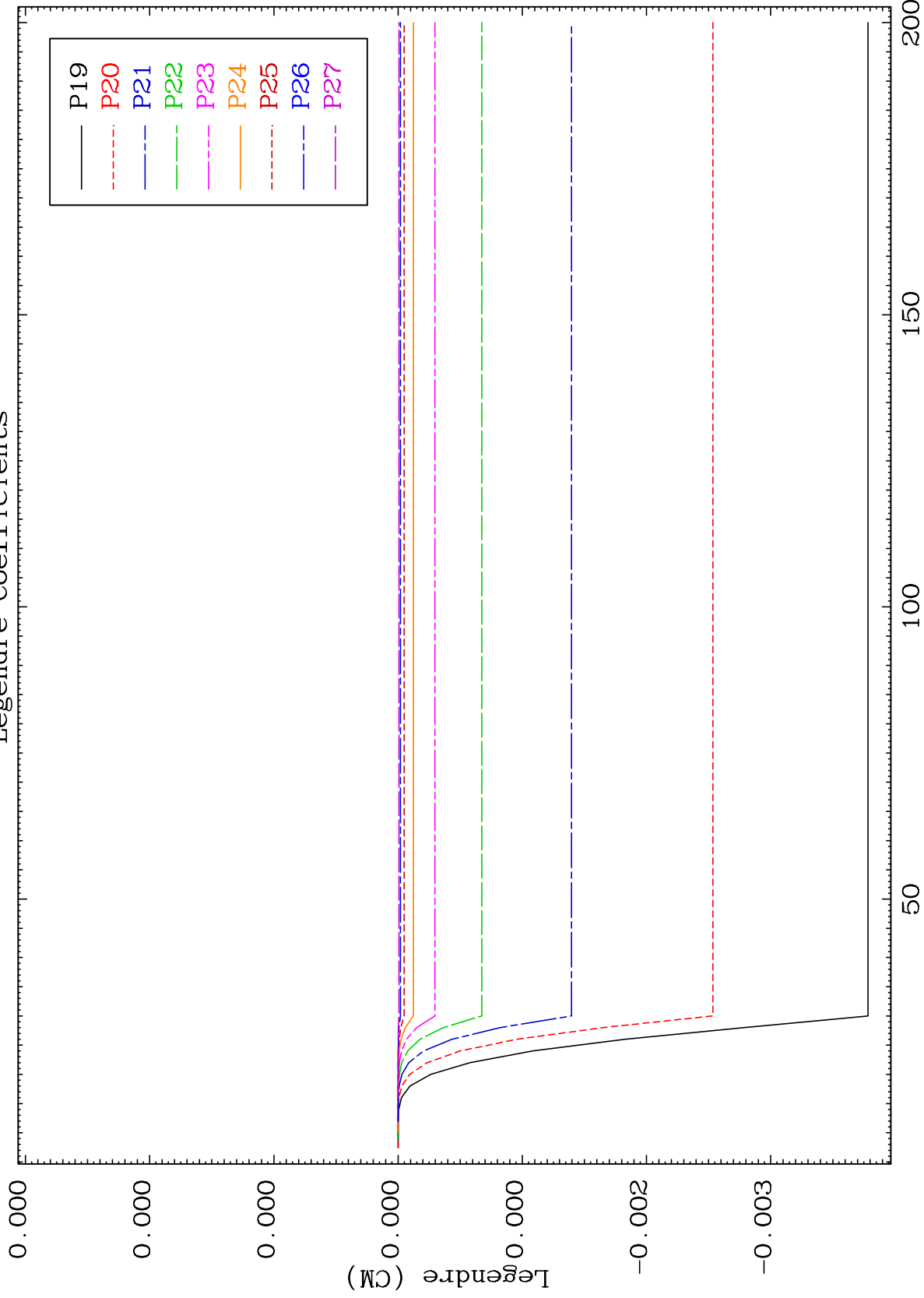
54-Xe-132

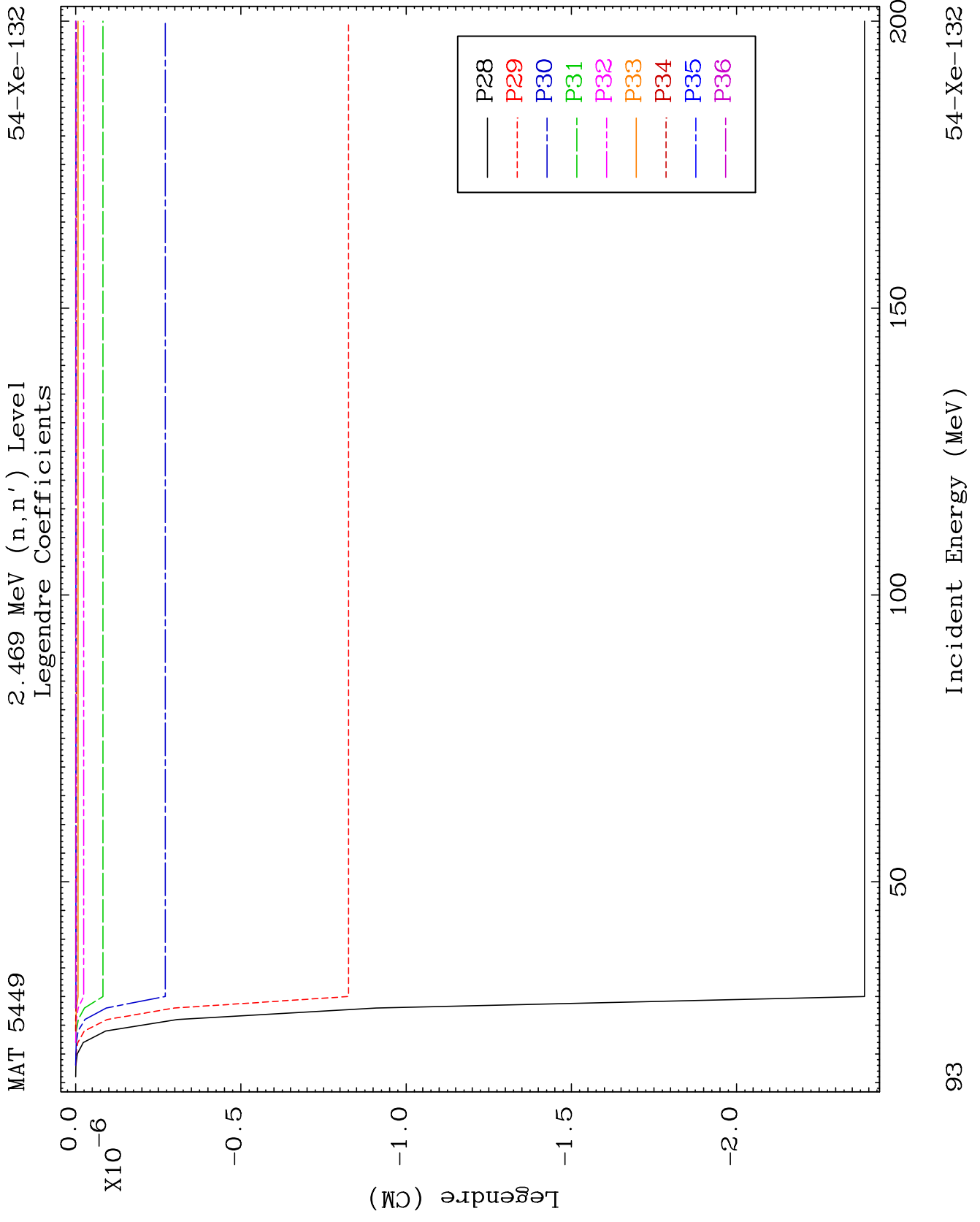


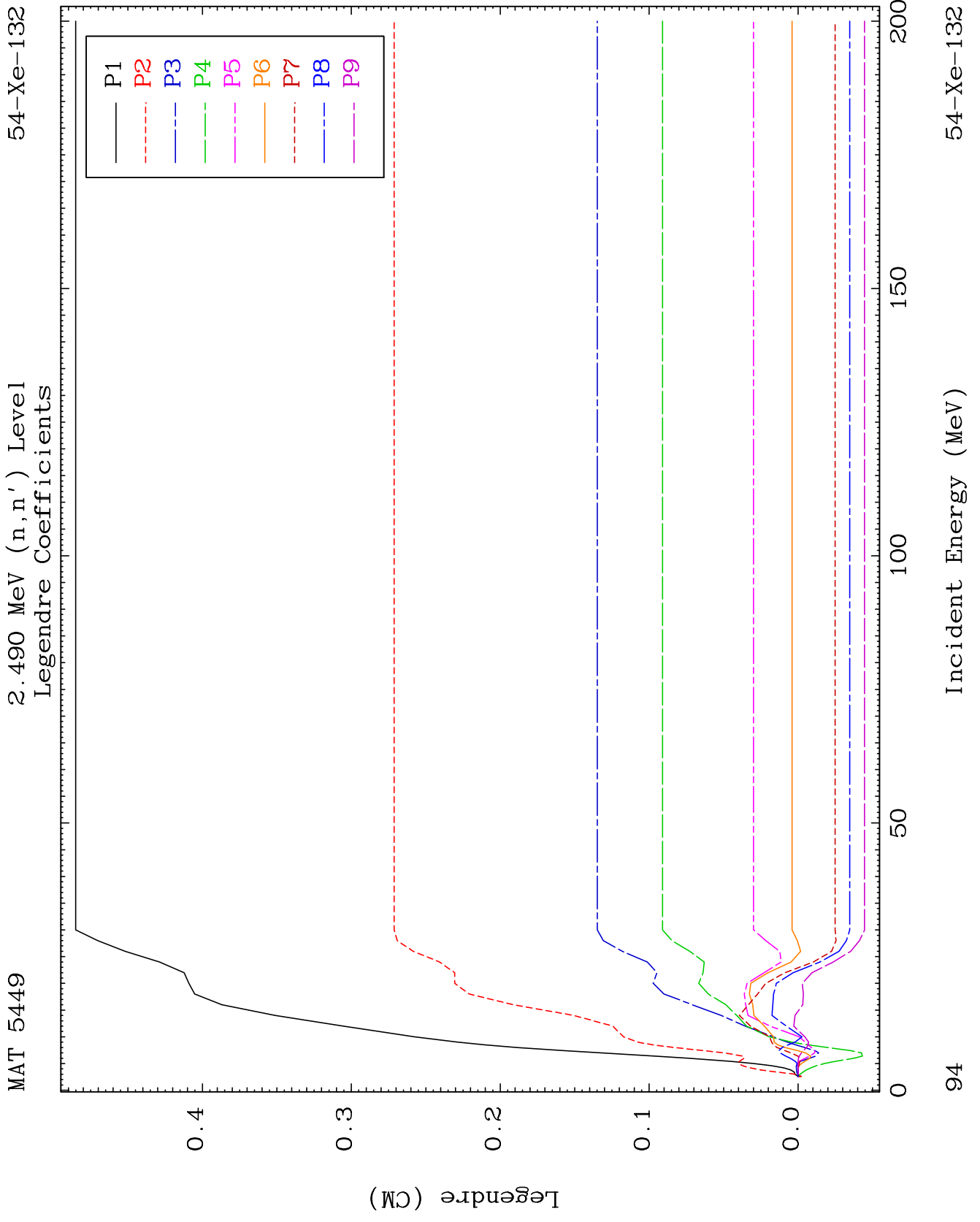
91

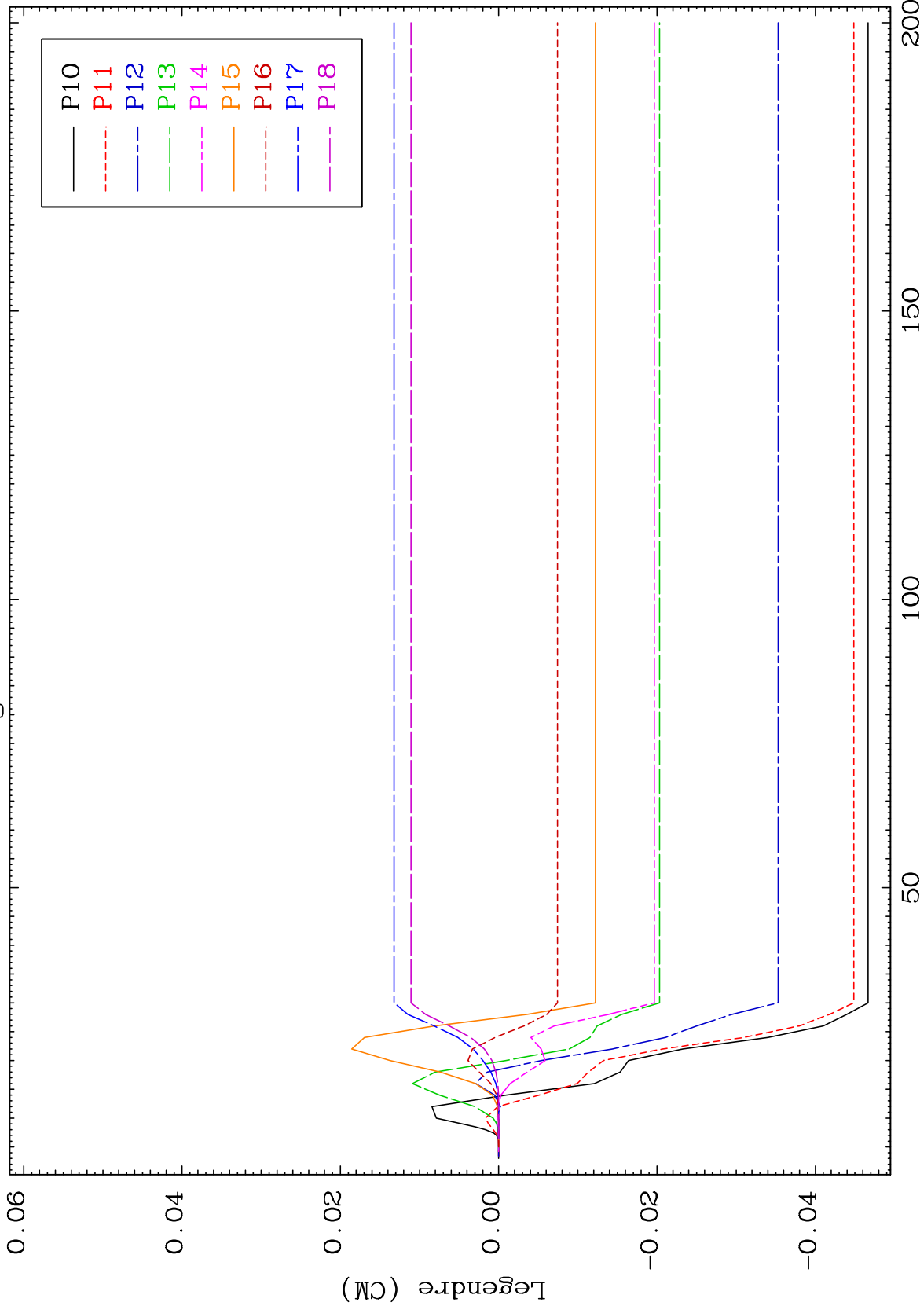
Incident Energy (MeV)

54-Xe-132







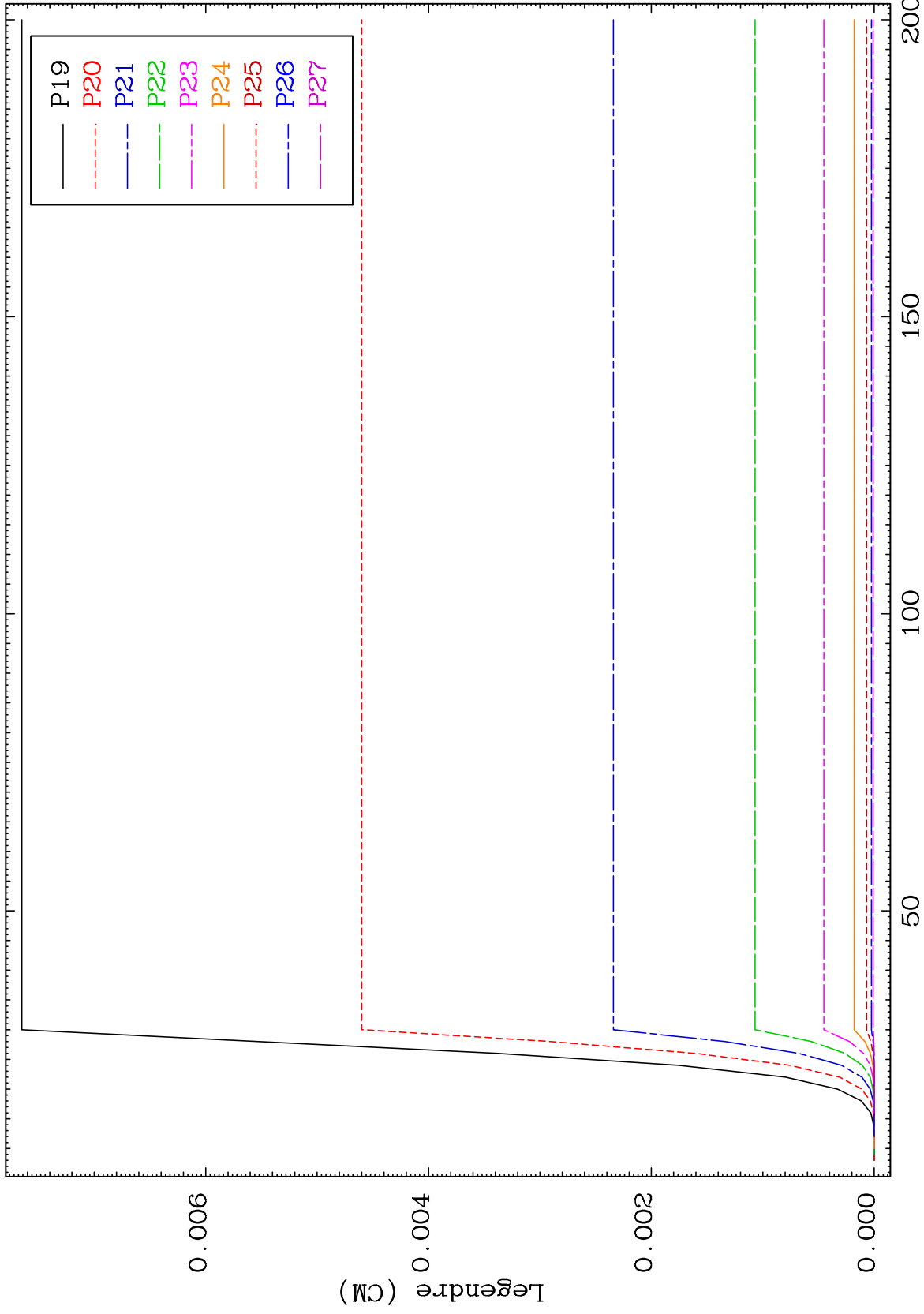




MAT 5449

2.490 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



96

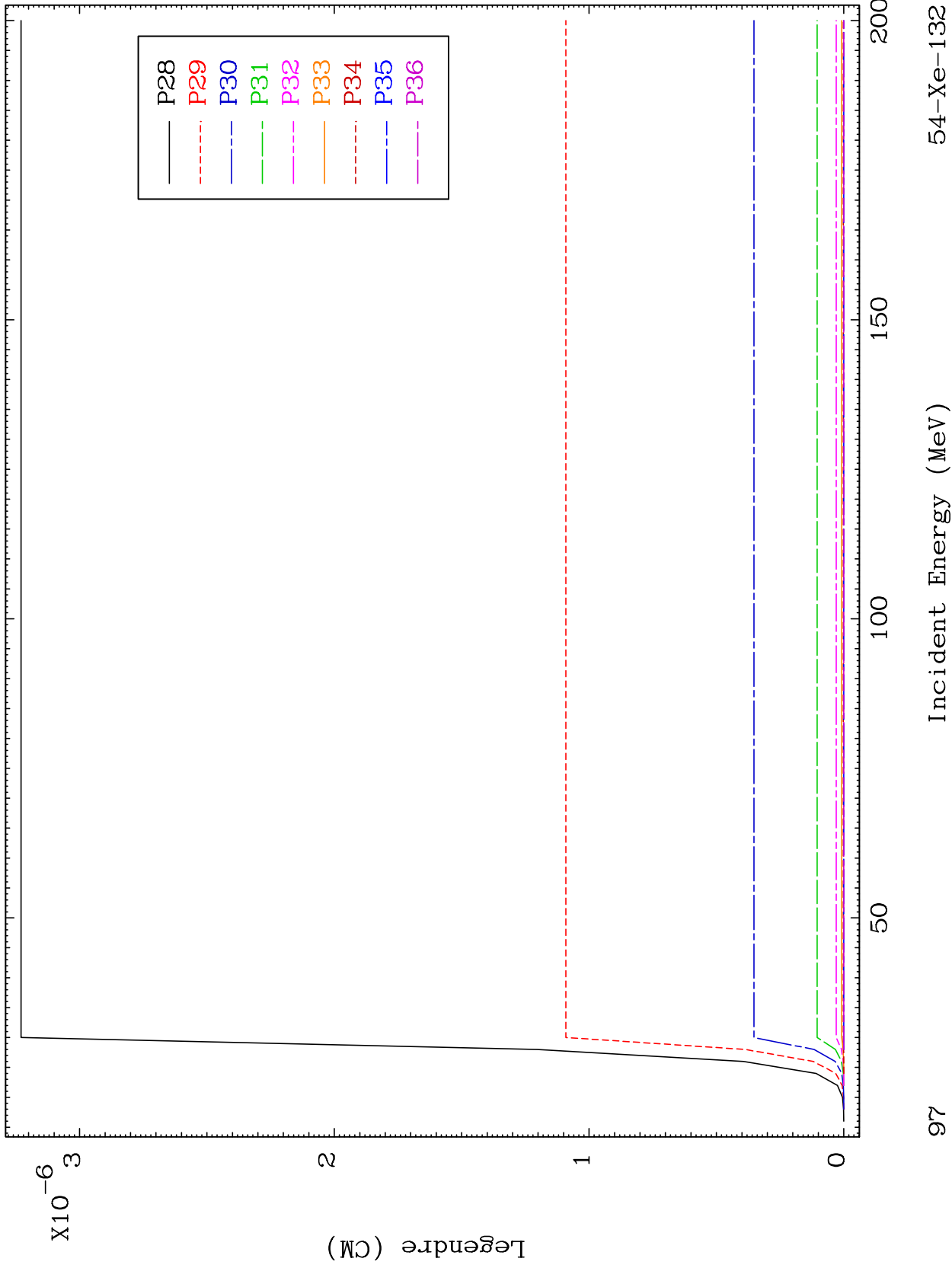
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.490 MeV (n,n') Level  
Legendre Coefficients

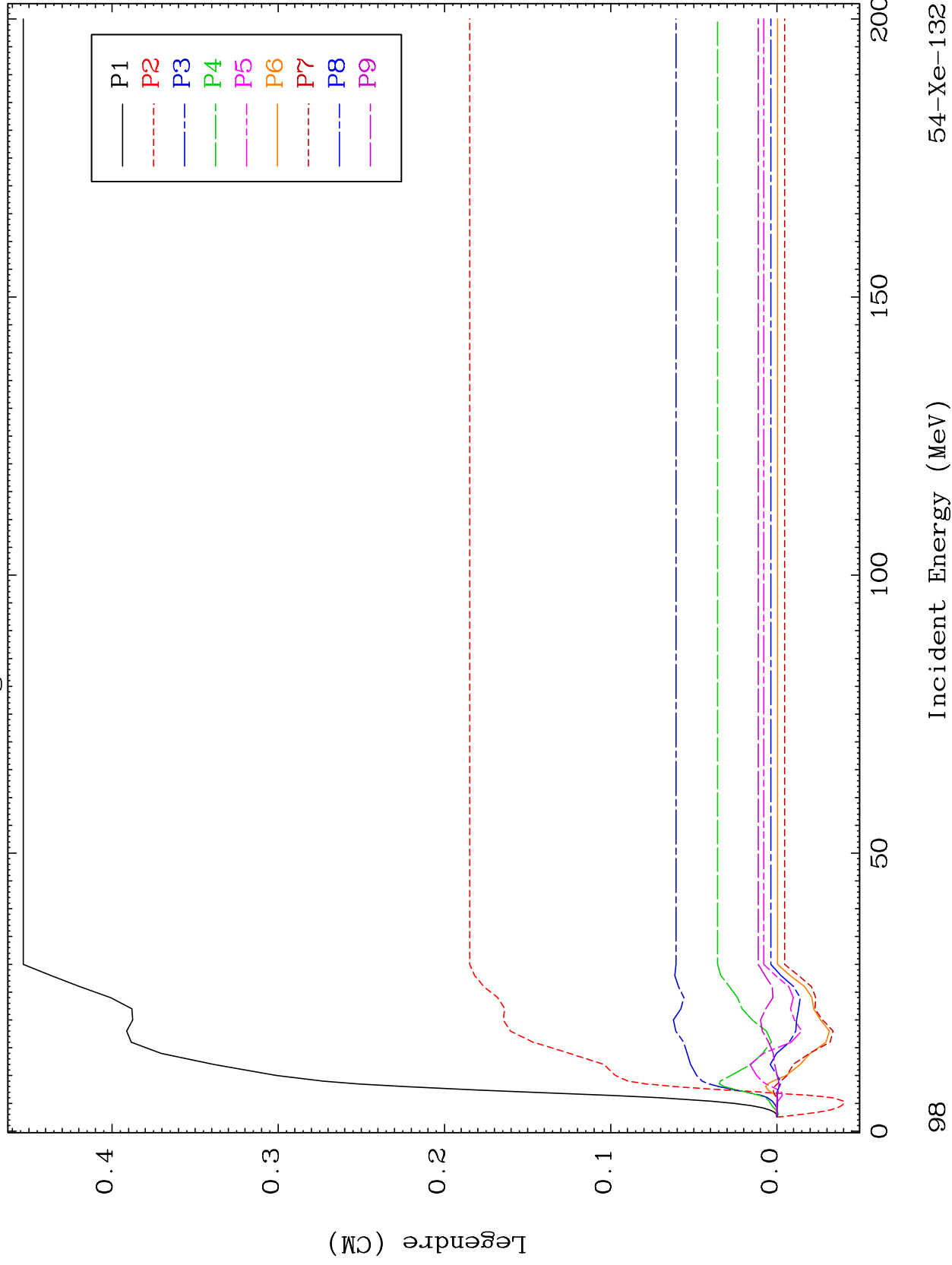
54-Xe-132



MAT 5449

2.512 MeV (n, n') Level  
Legendre Coefficients

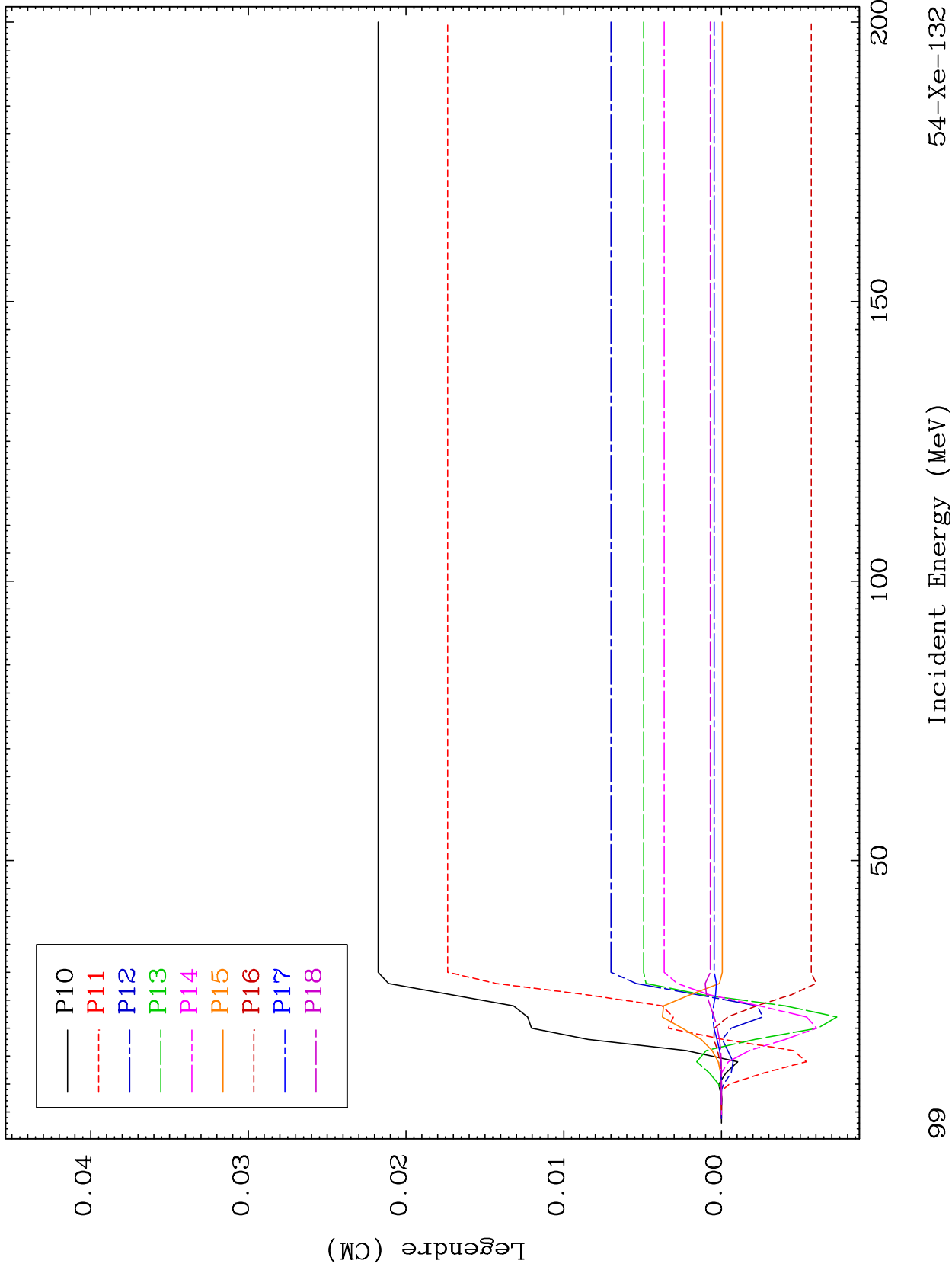
54-Xe-132



54-Xe-132

Incident Energy (MeV)

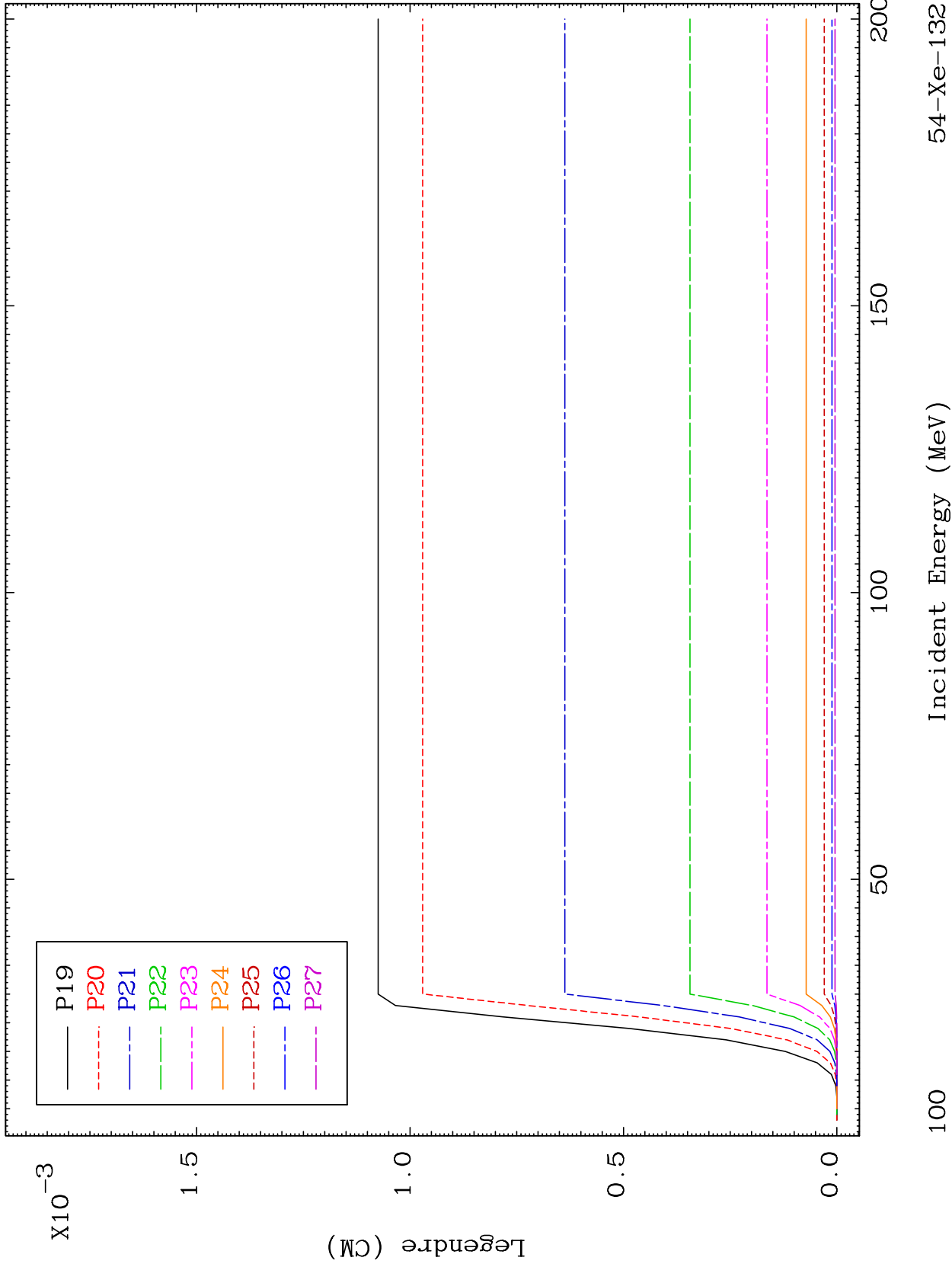
98



MAT 5449

2.512 MeV (n, n') Level  
Legendre Coefficients

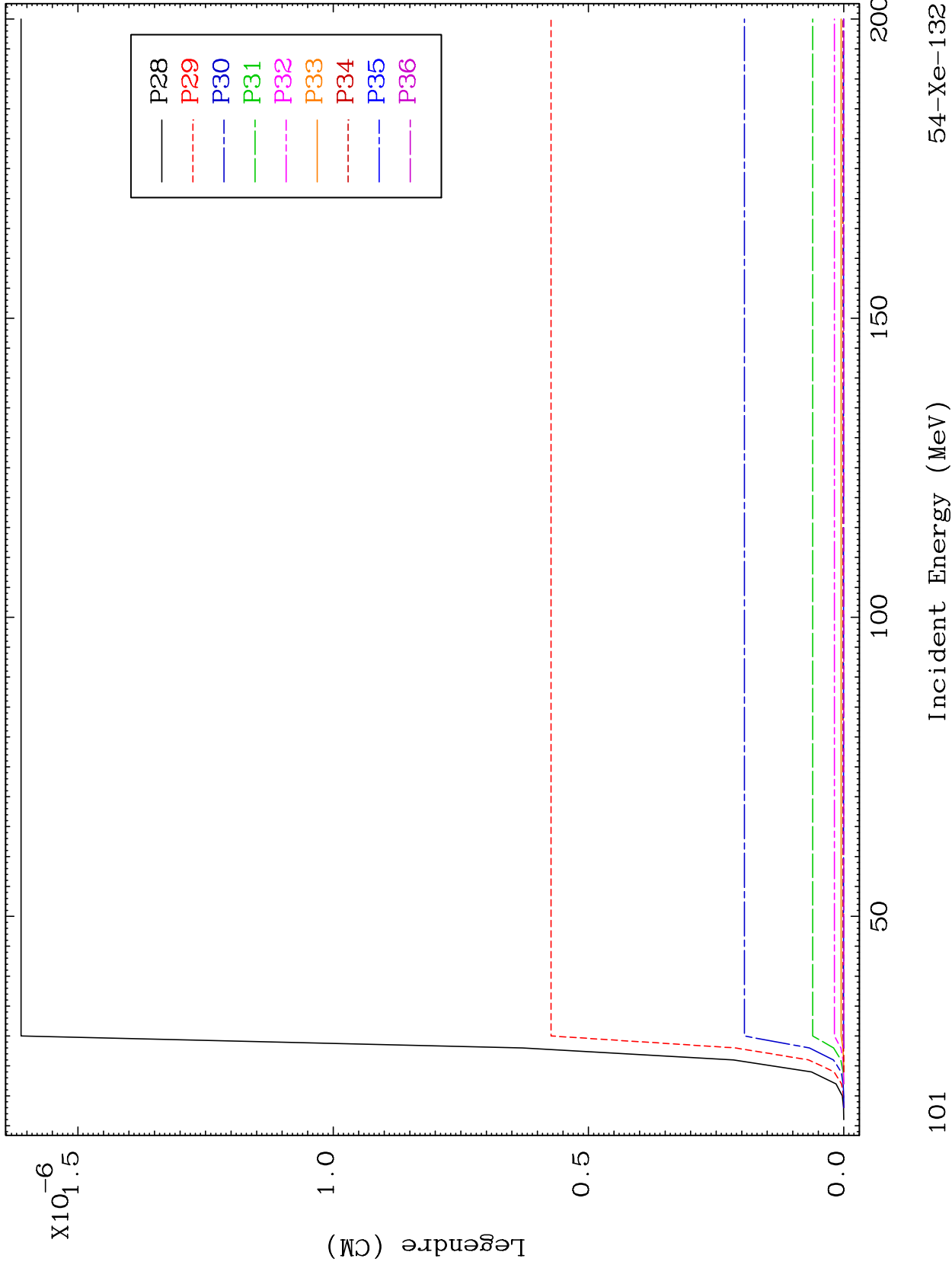
54-Xe-132

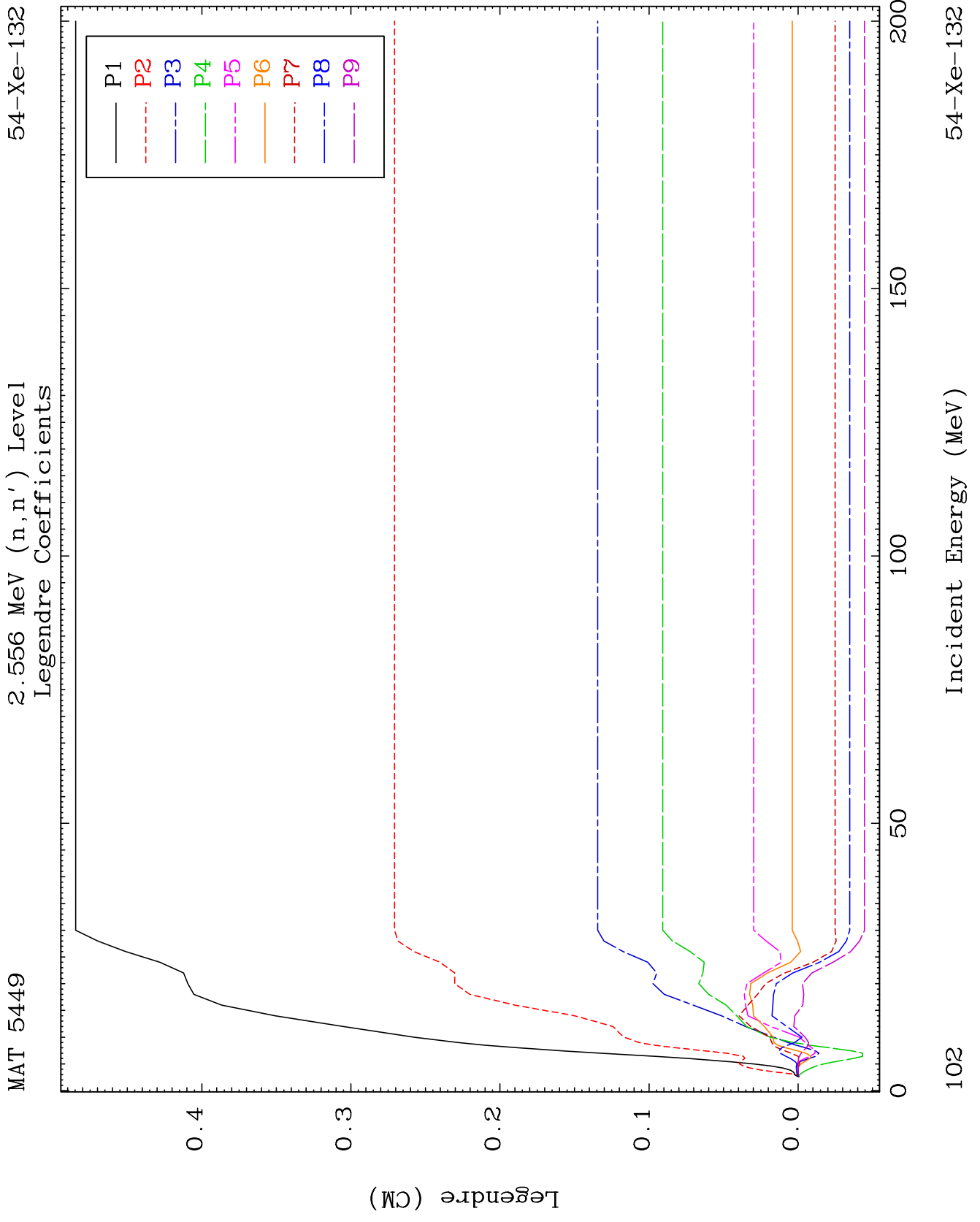


MAT 5449

2.512 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132

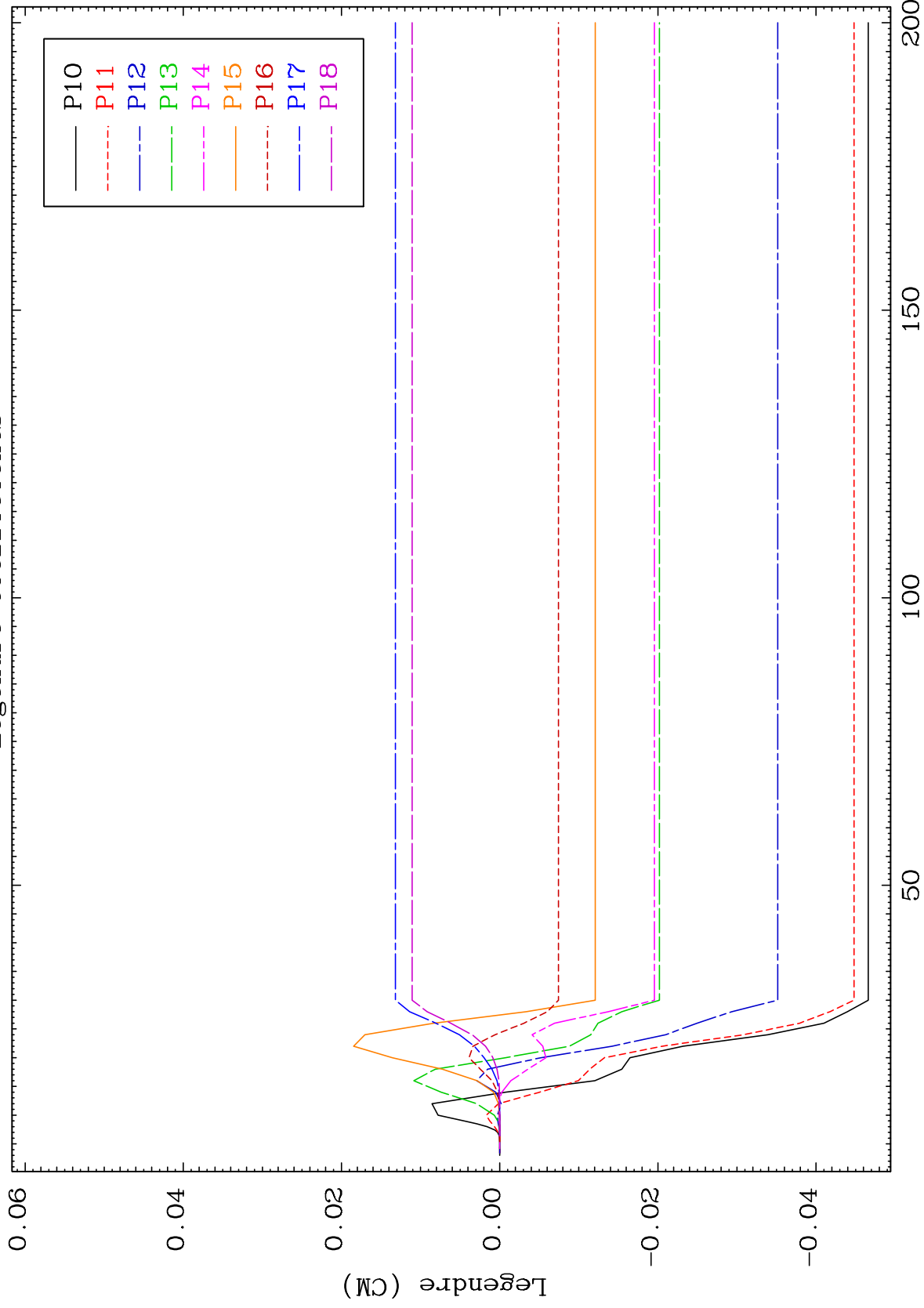




MAT 5449

2.556 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



103

Incident Energy (MeV)

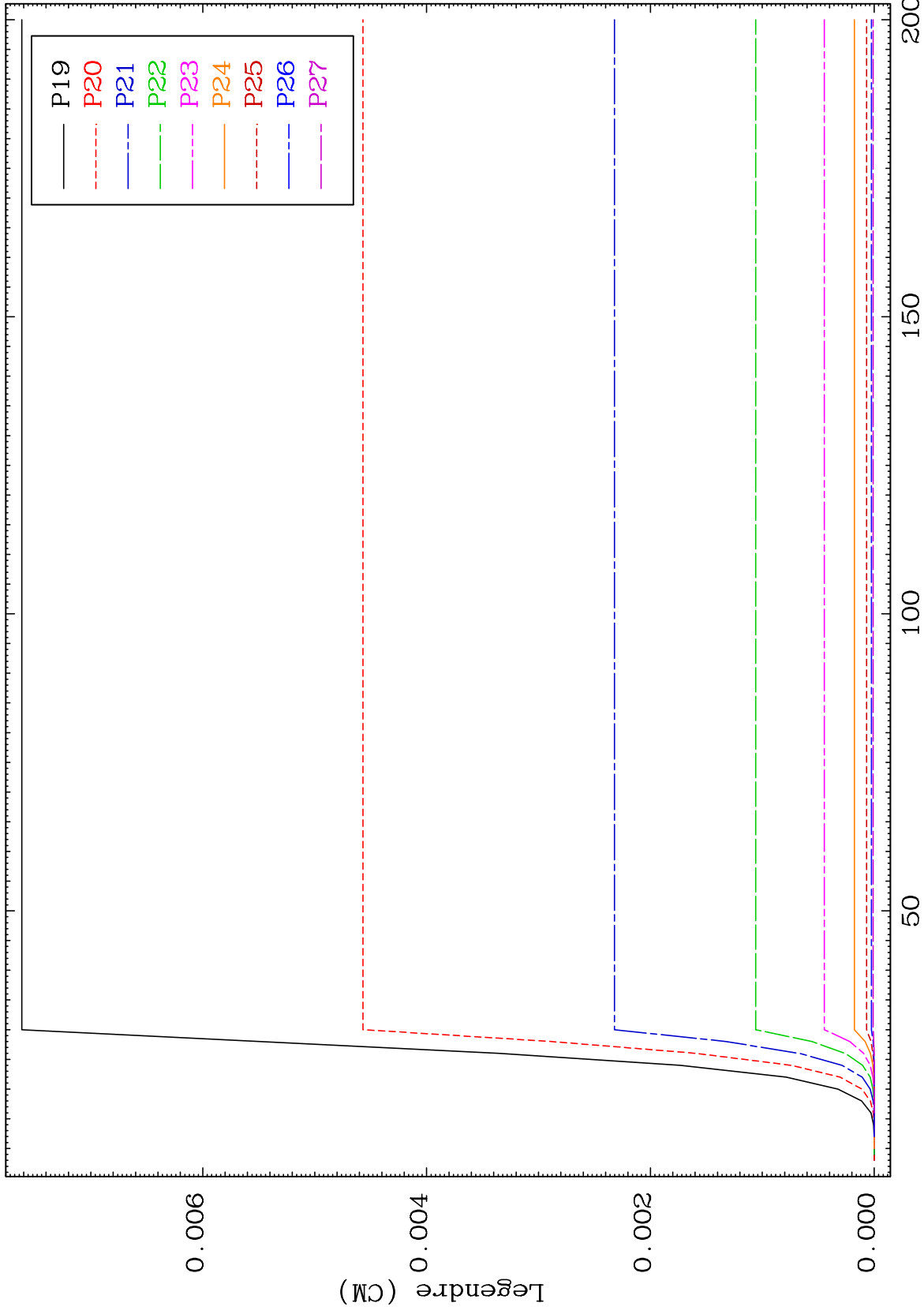
54-Xe-132



MAT 5449

2.556 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



104

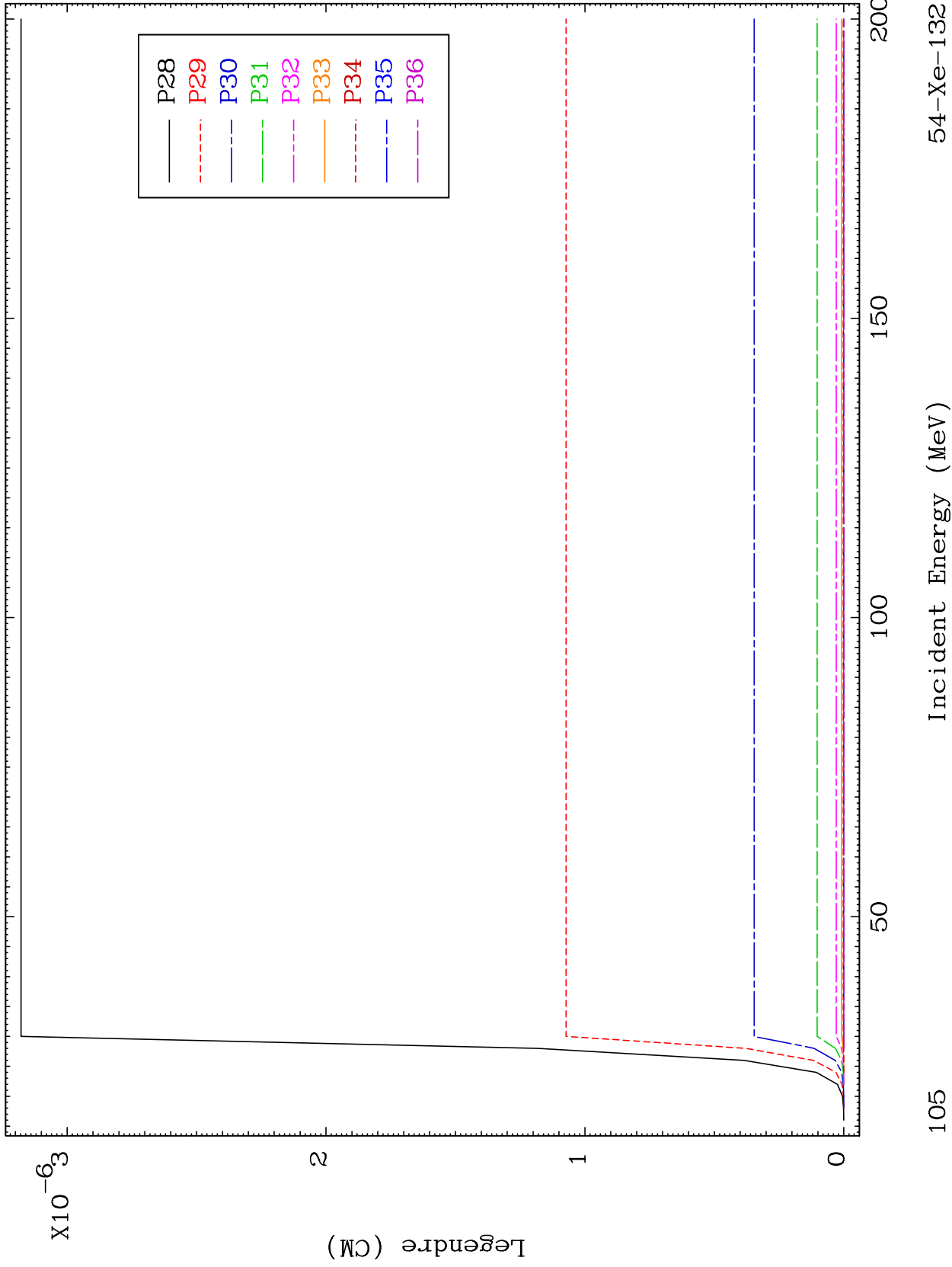
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.556 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132

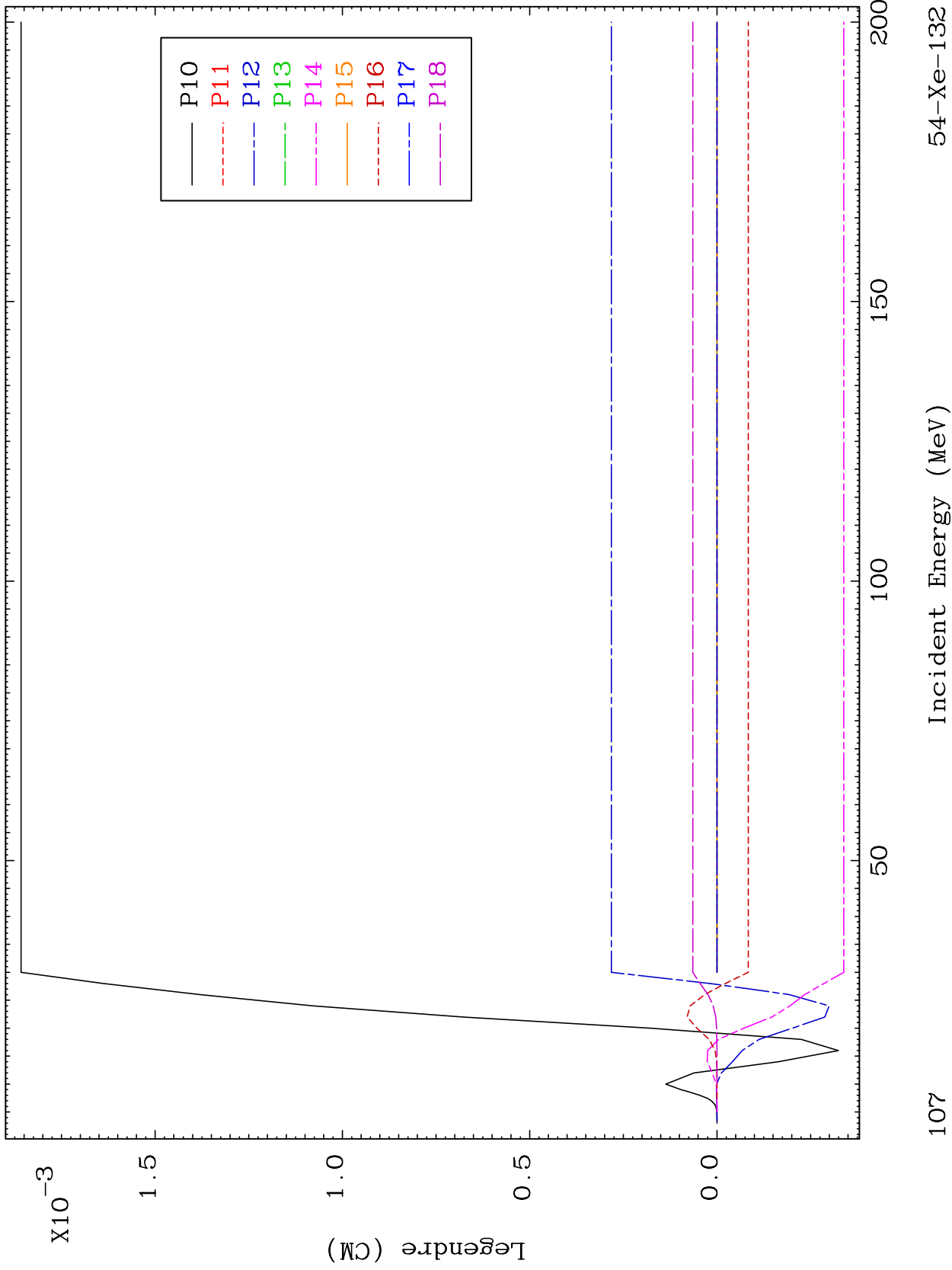




MAT 5449

2.584 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



107

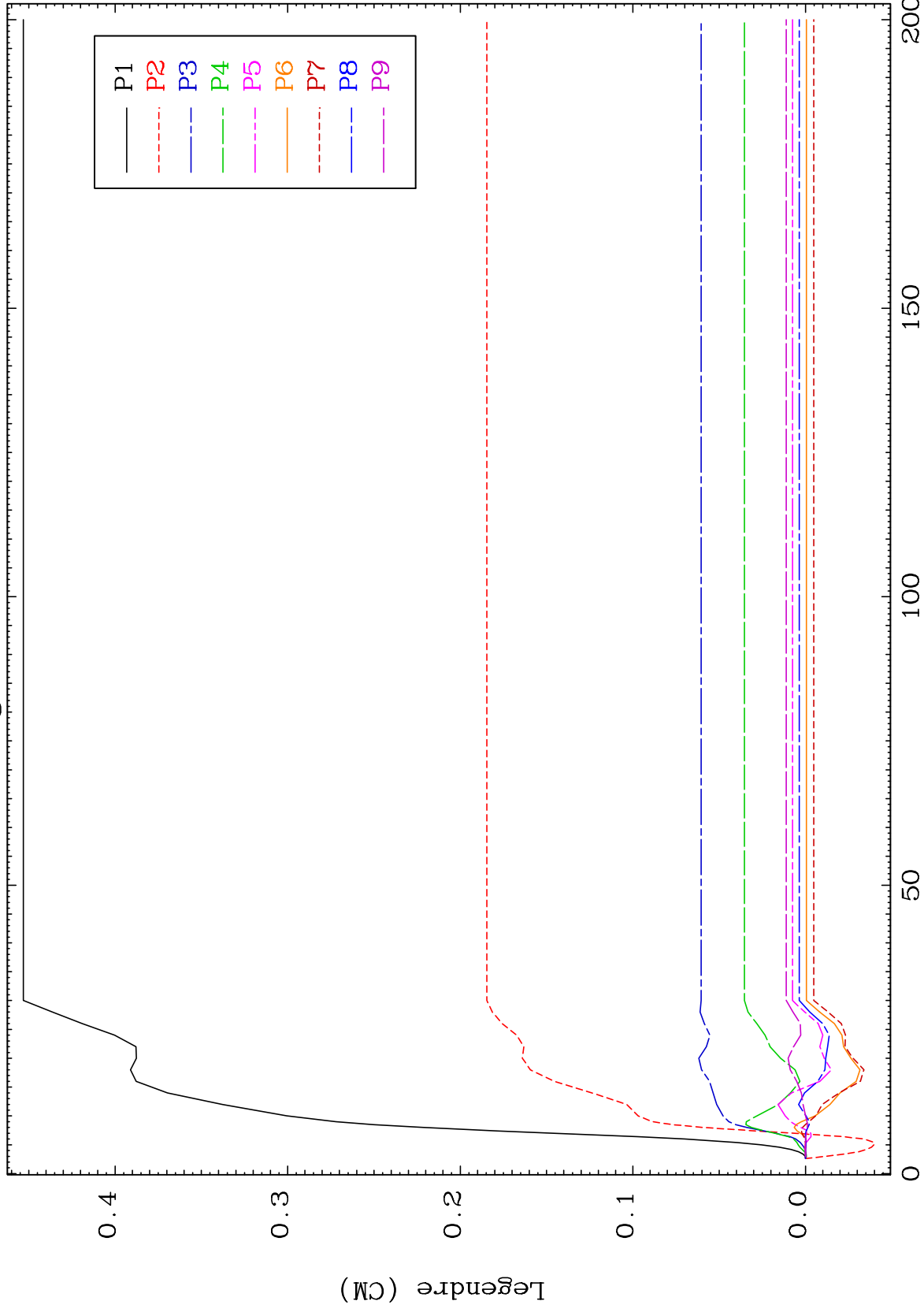
54-Xe-132



MAT 5449

2.589 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



109

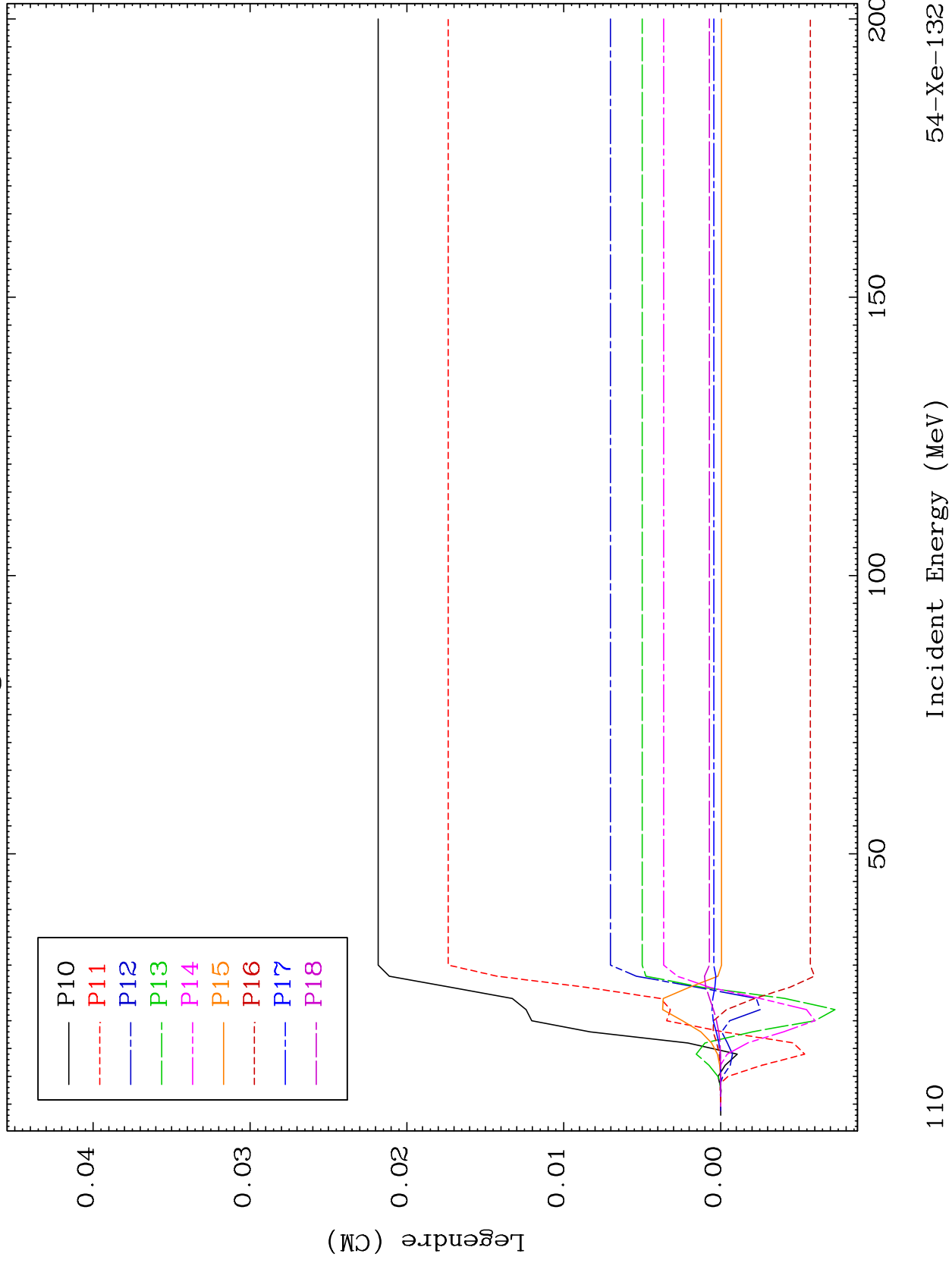
Incident Energy (MeV)

54-Xe-132

MAT 5449

2.589 MeV (n,n') Level  
Legendre Coefficients

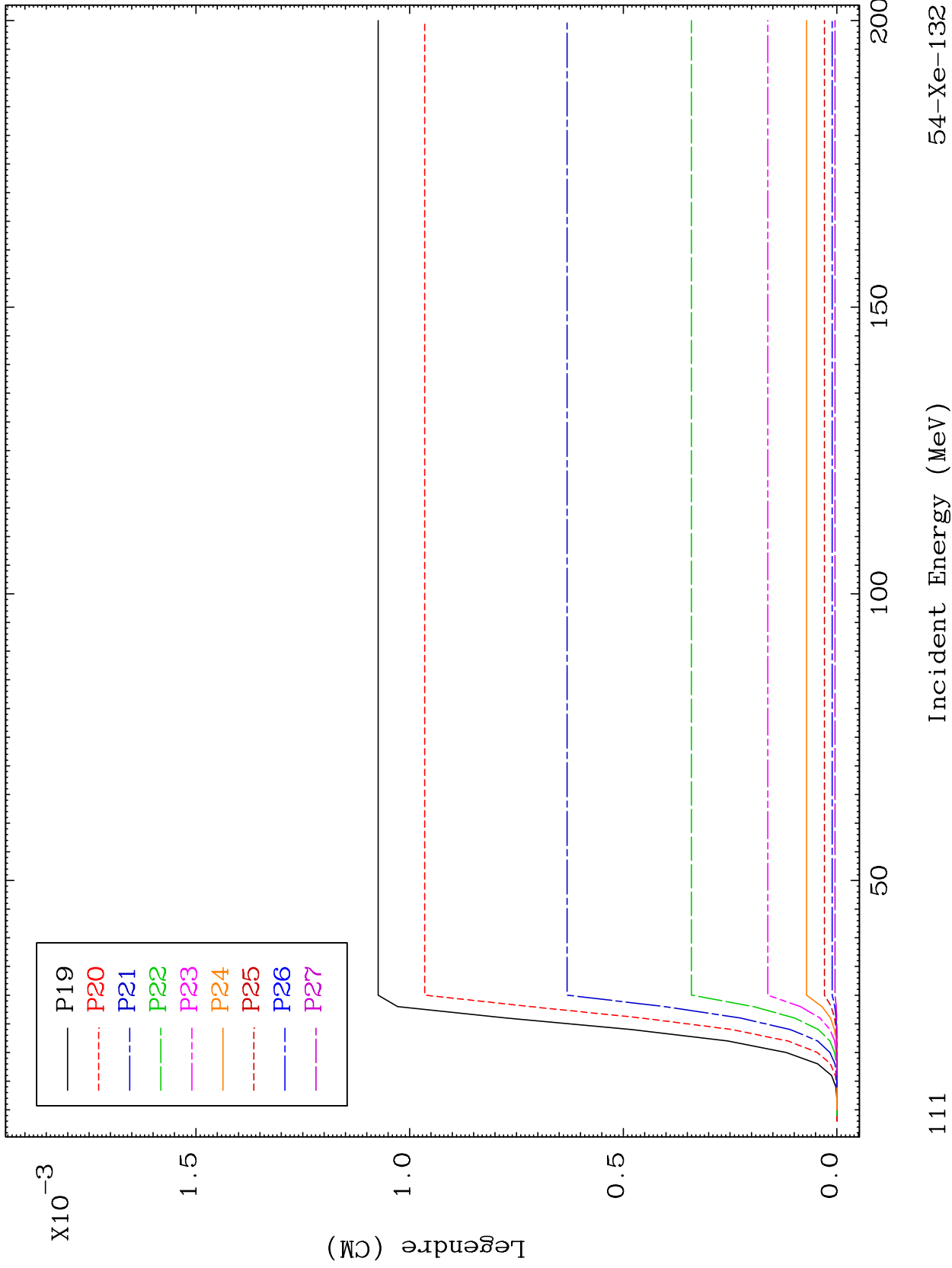
54-Xe-132



54-Xe-132

Incident Energy (MeV)

110

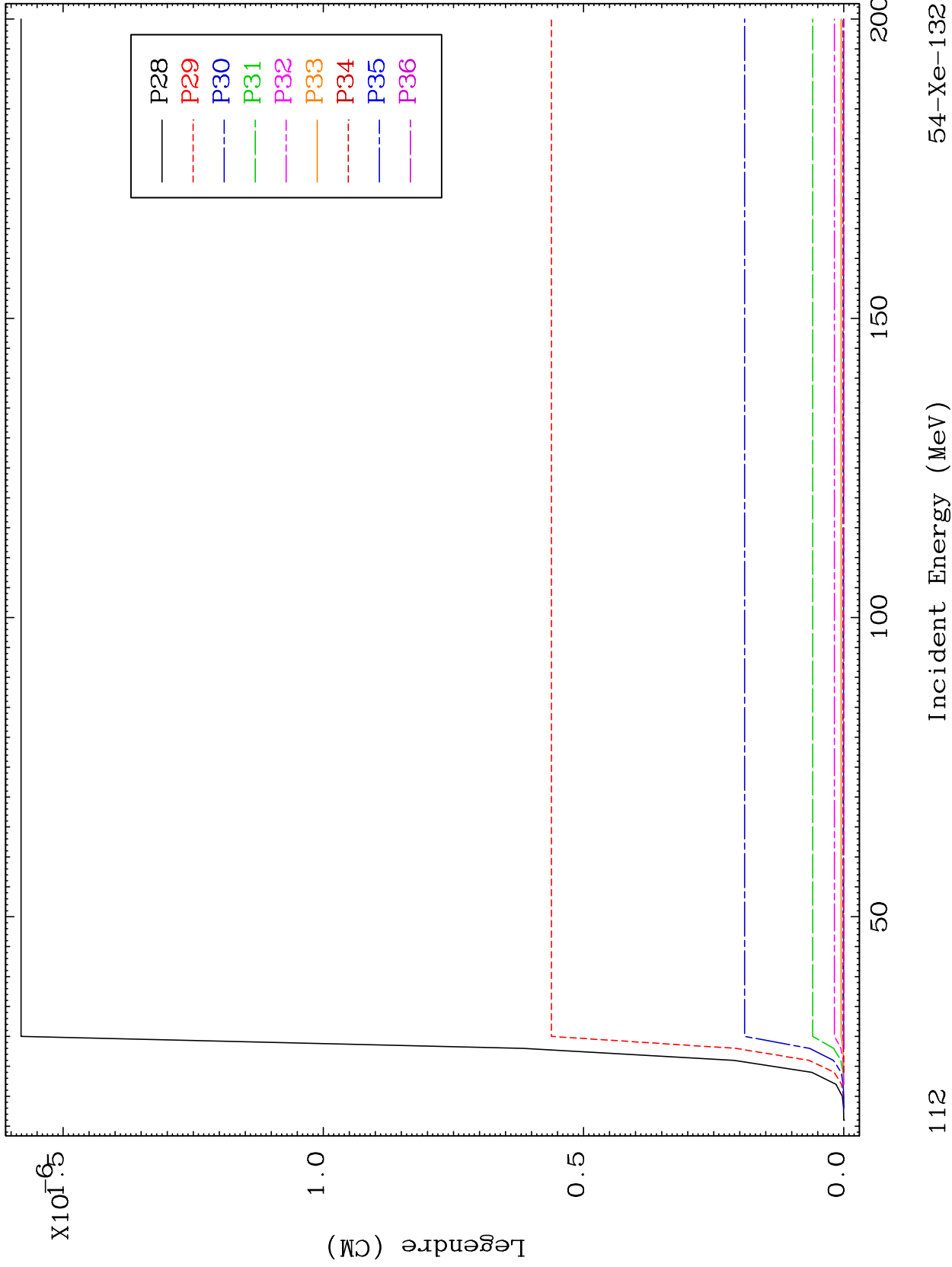




MAT 5449

2.589 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



112

Incident Energy (MeV)

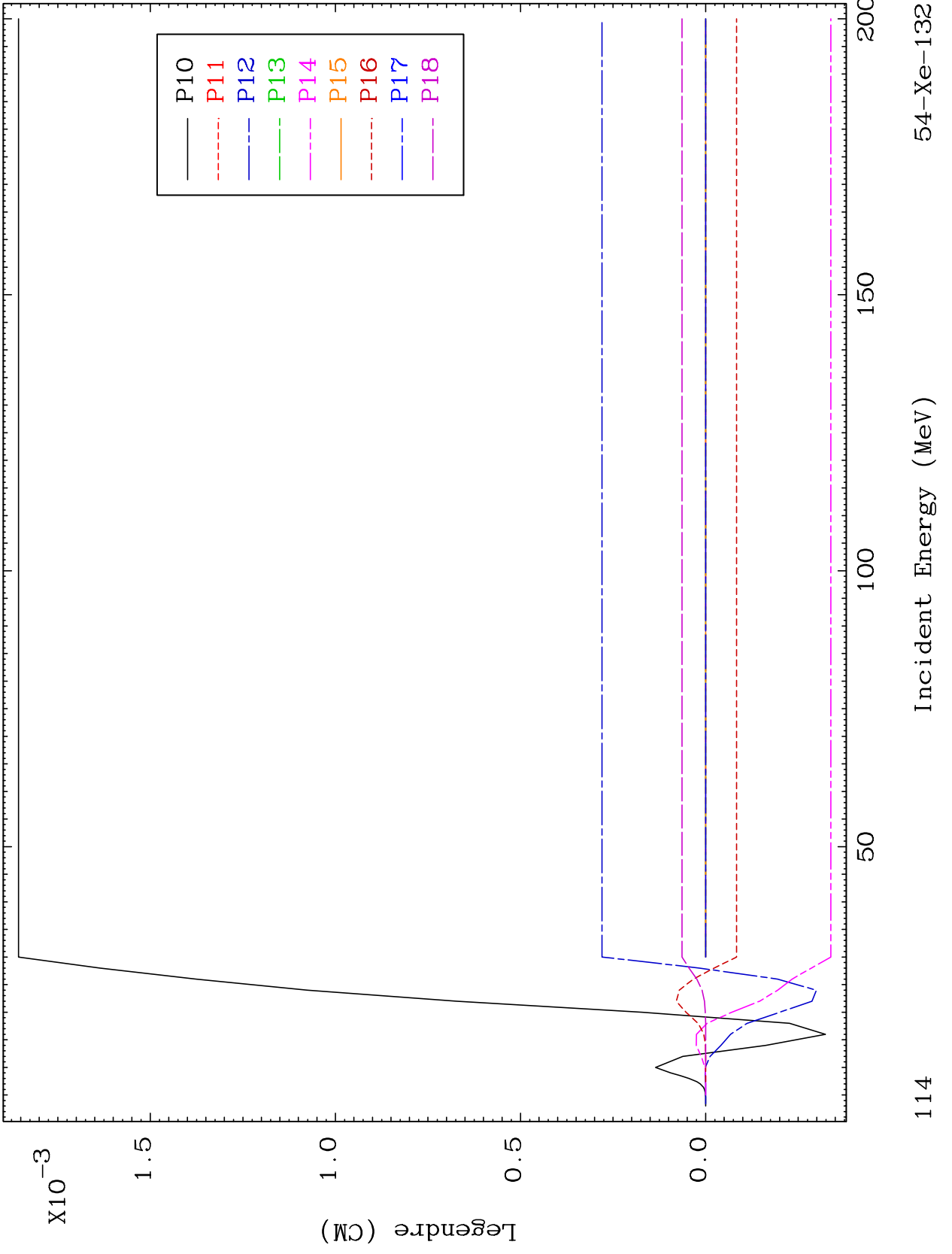
54-Xe-132



MAT 5449

2.613 MeV (n, n') Level  
Legendre Coefficients

54-Xe-132



114

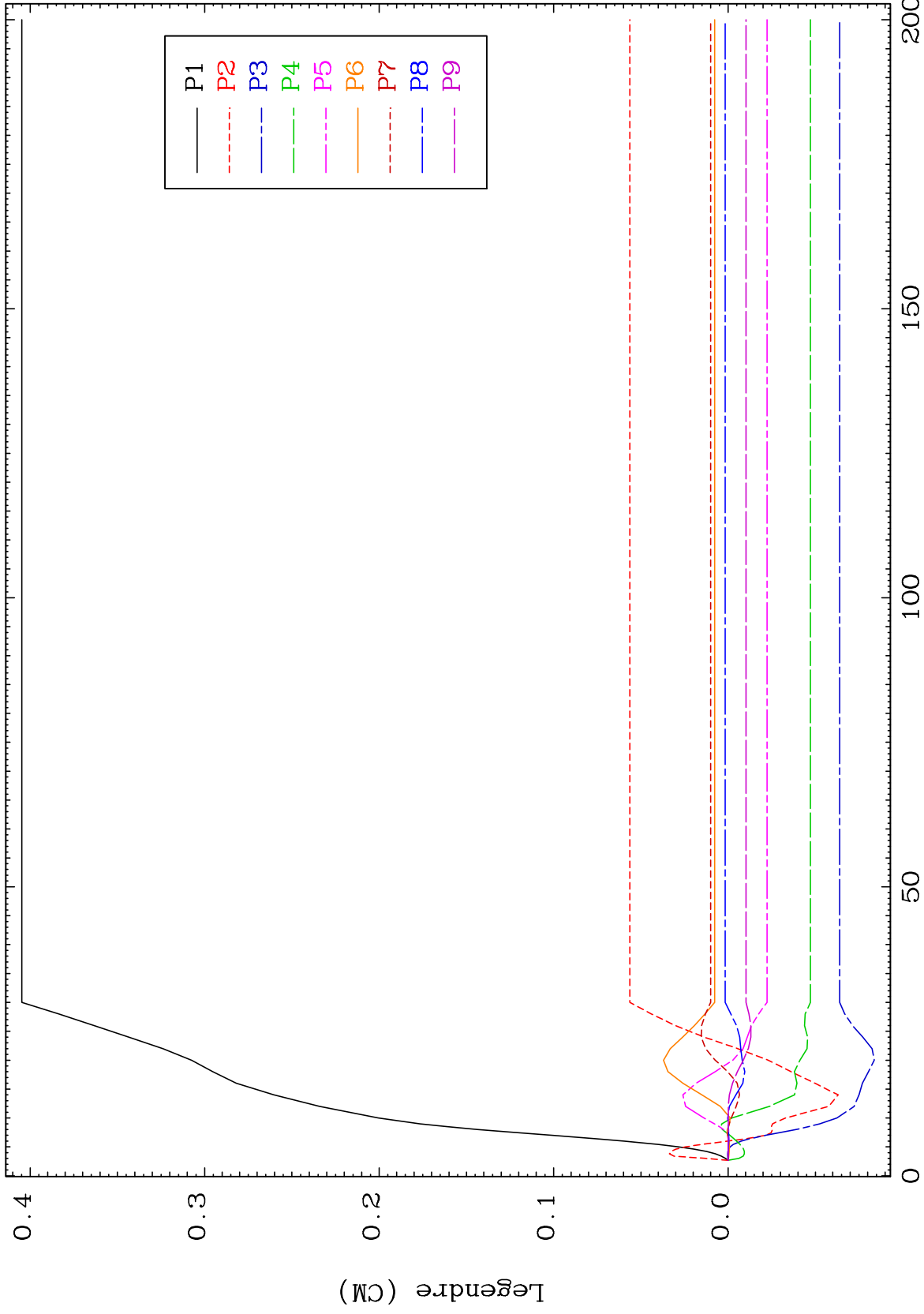
54-Xe-132



MAT 5449

2.650 MeV (n,n') Level  
Legendre Coefficients

54-Xe-132



116

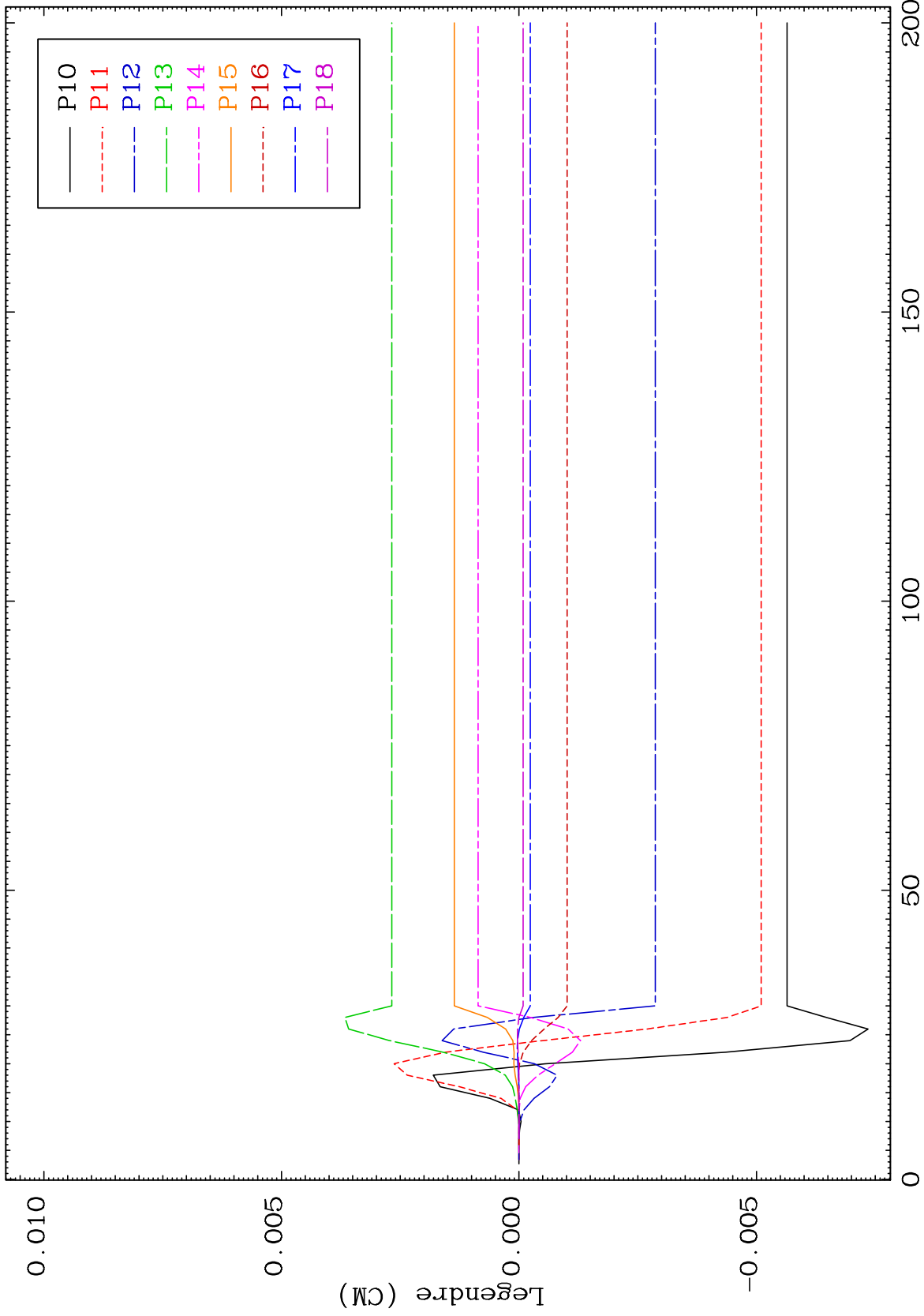
Incident Energy (MeV)

54-Xe-132

MAT 5449

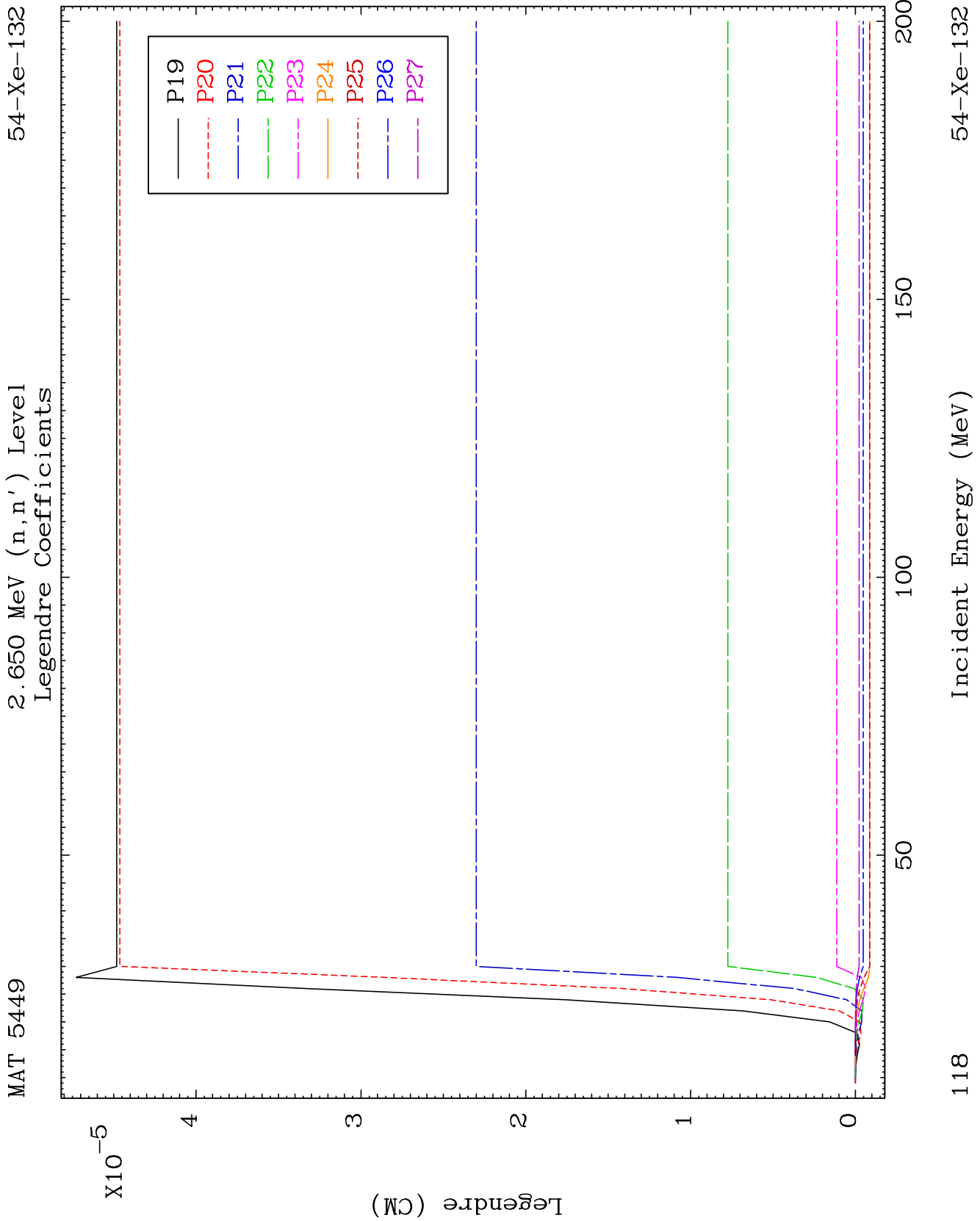
2.650 MeV (n,n') Level  
Legendre Coefficients

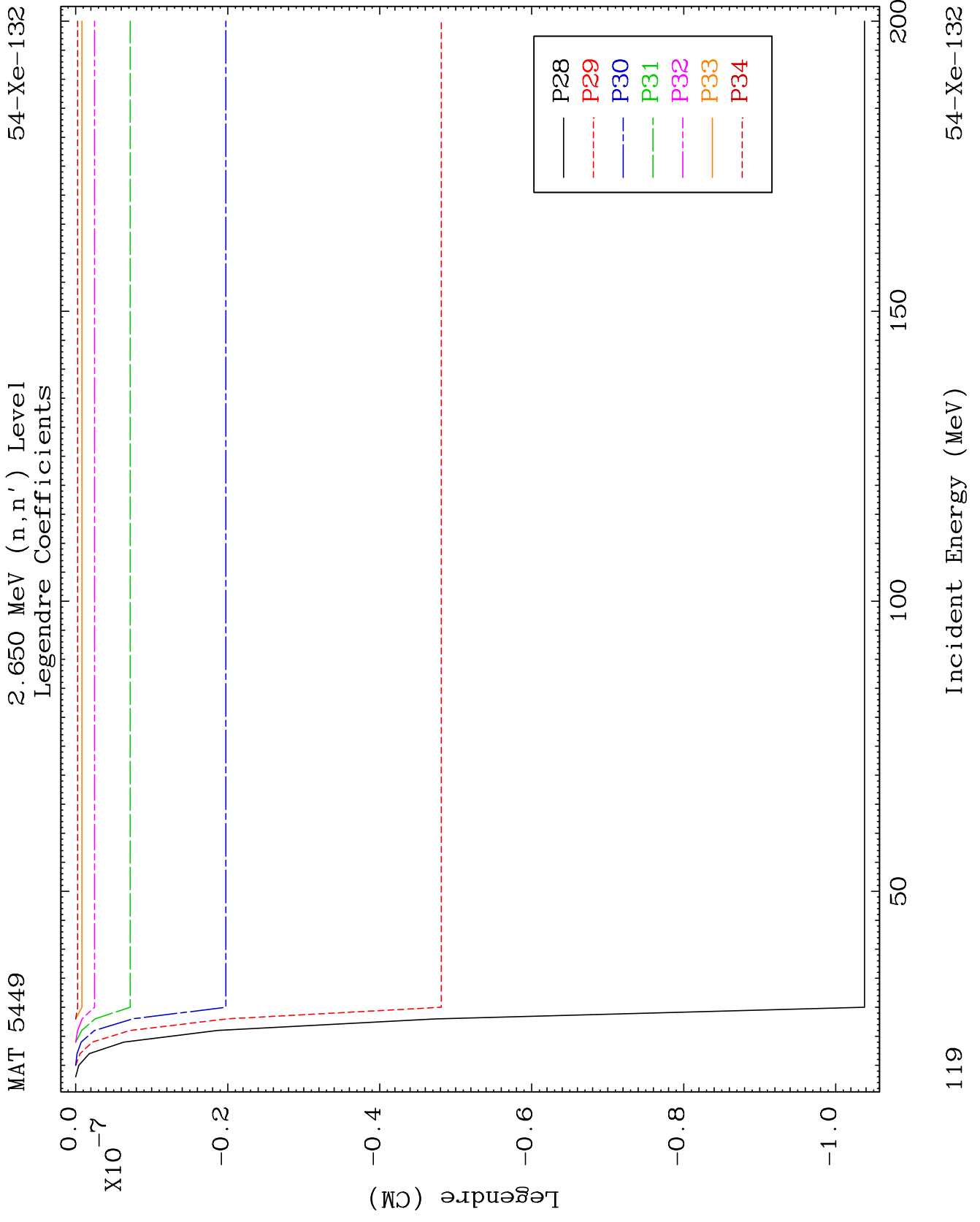
54-Xe-132



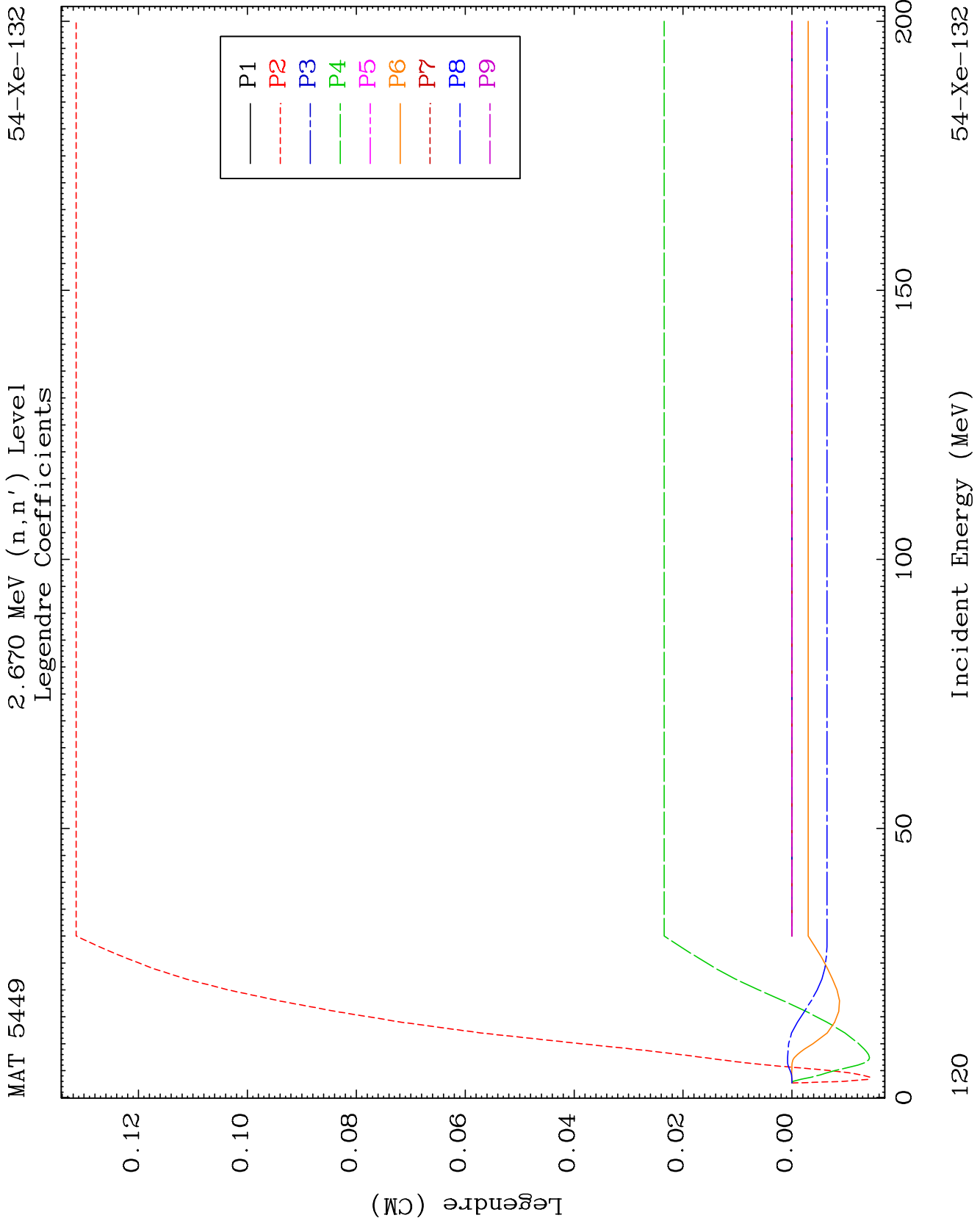
117

54-Xe-132





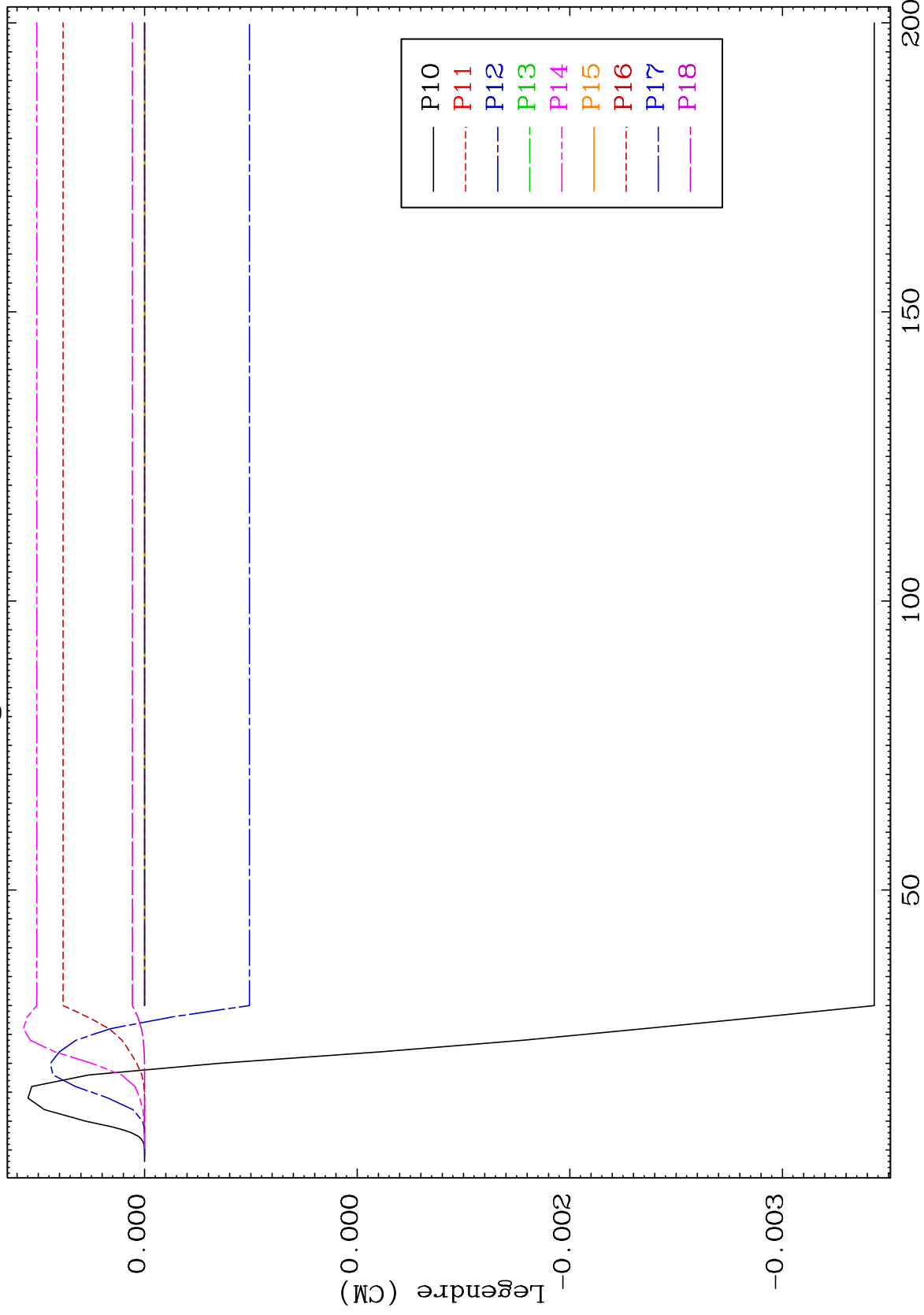




MAT 5449

2.670 MeV (n,n') Level  
Legendre Coefficients

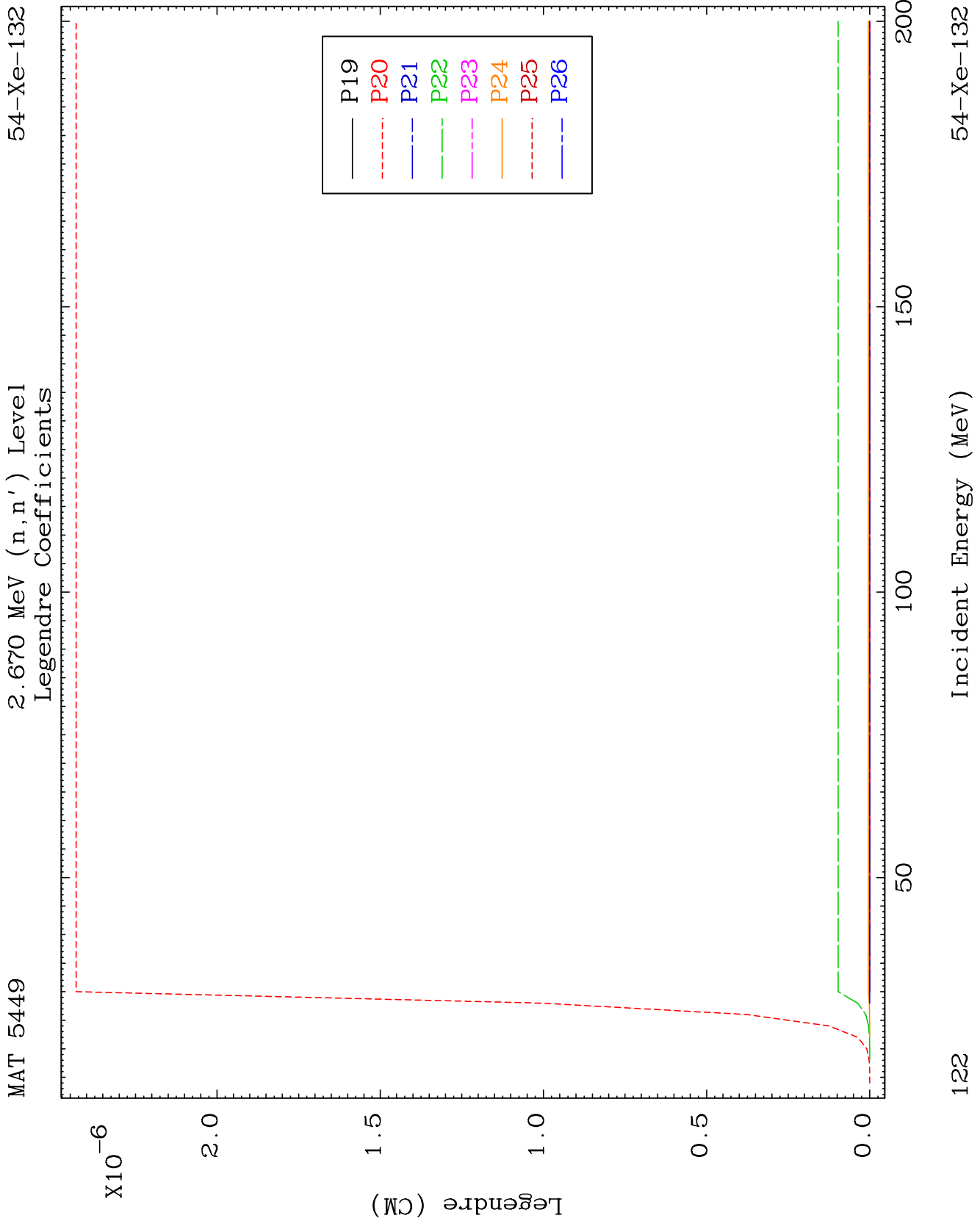
54-Xe-132

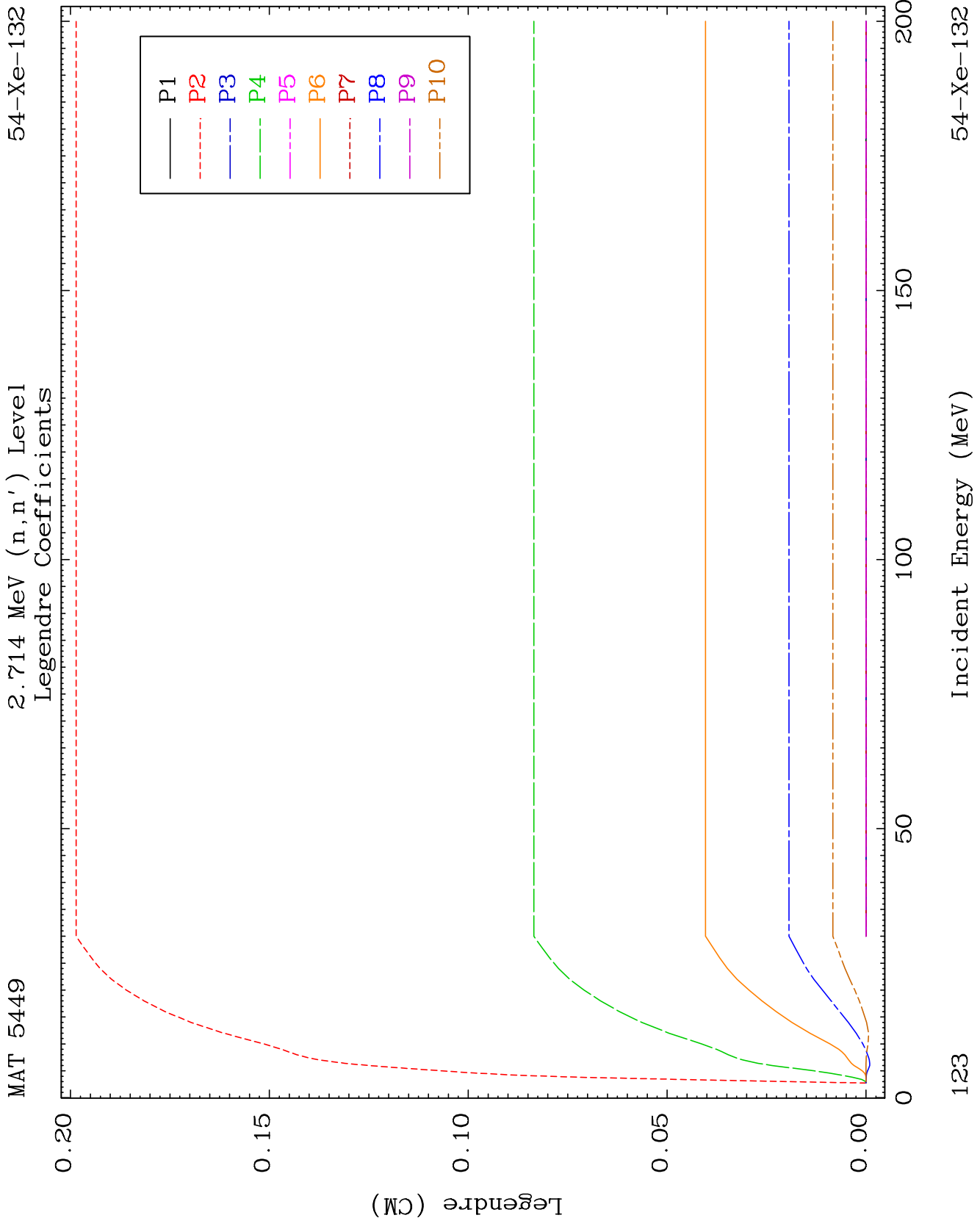


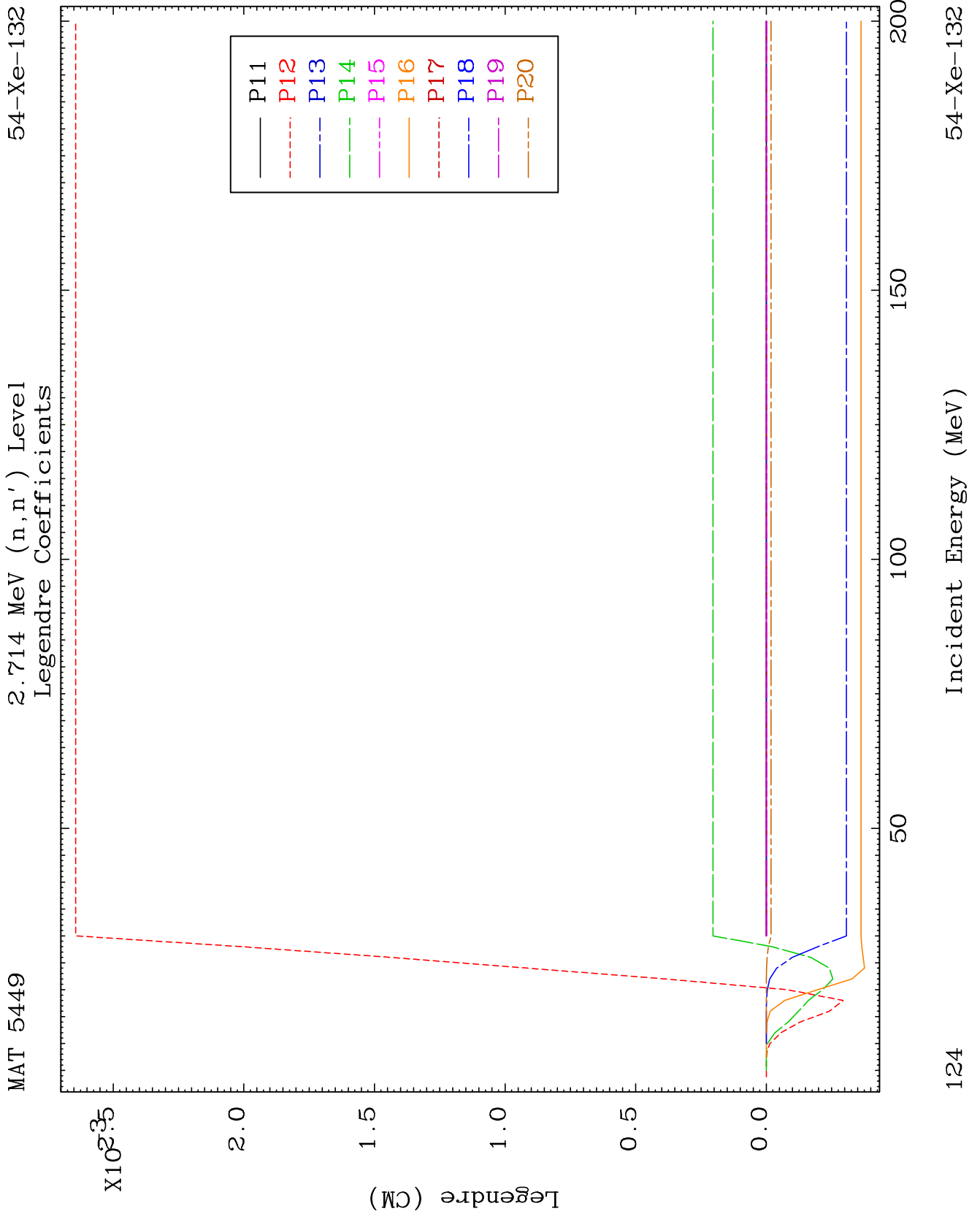
121

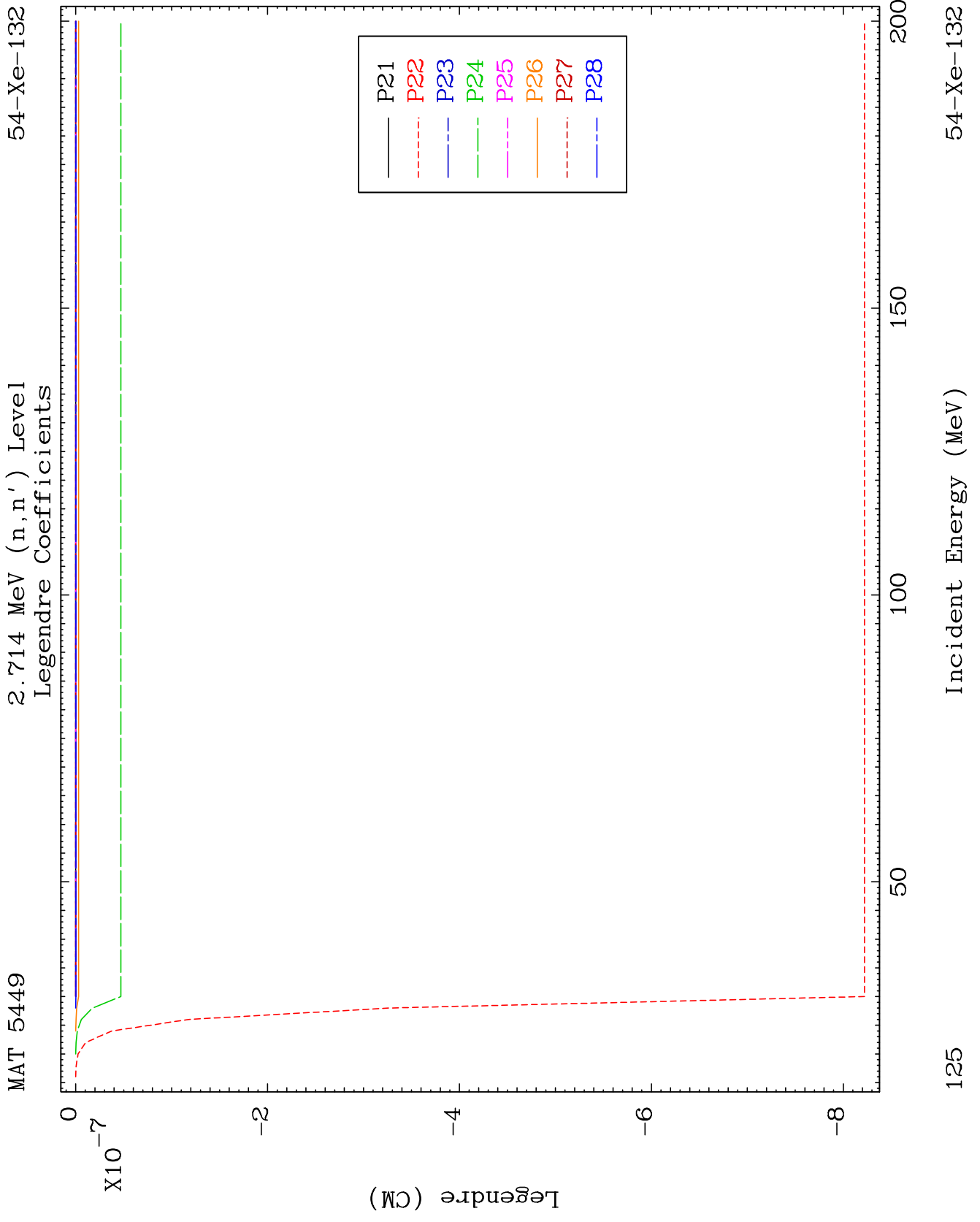
Incident Energy (MeV)

54-Xe-132





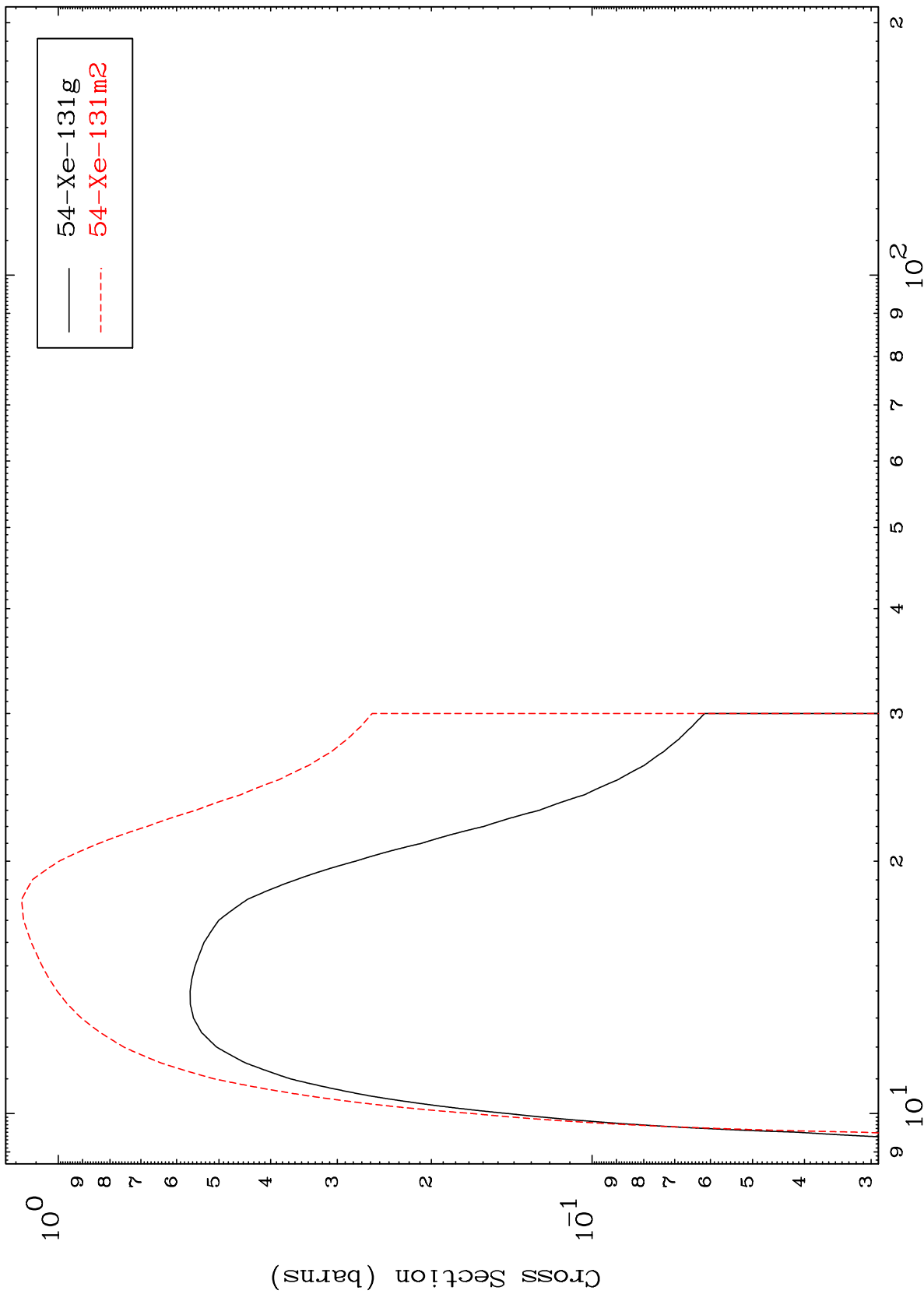




MAT 5449

54-Xe-132

(n,2n)  
Radionuclide Production Cross Section



54-Xe-132

Incident Energy (MeV)

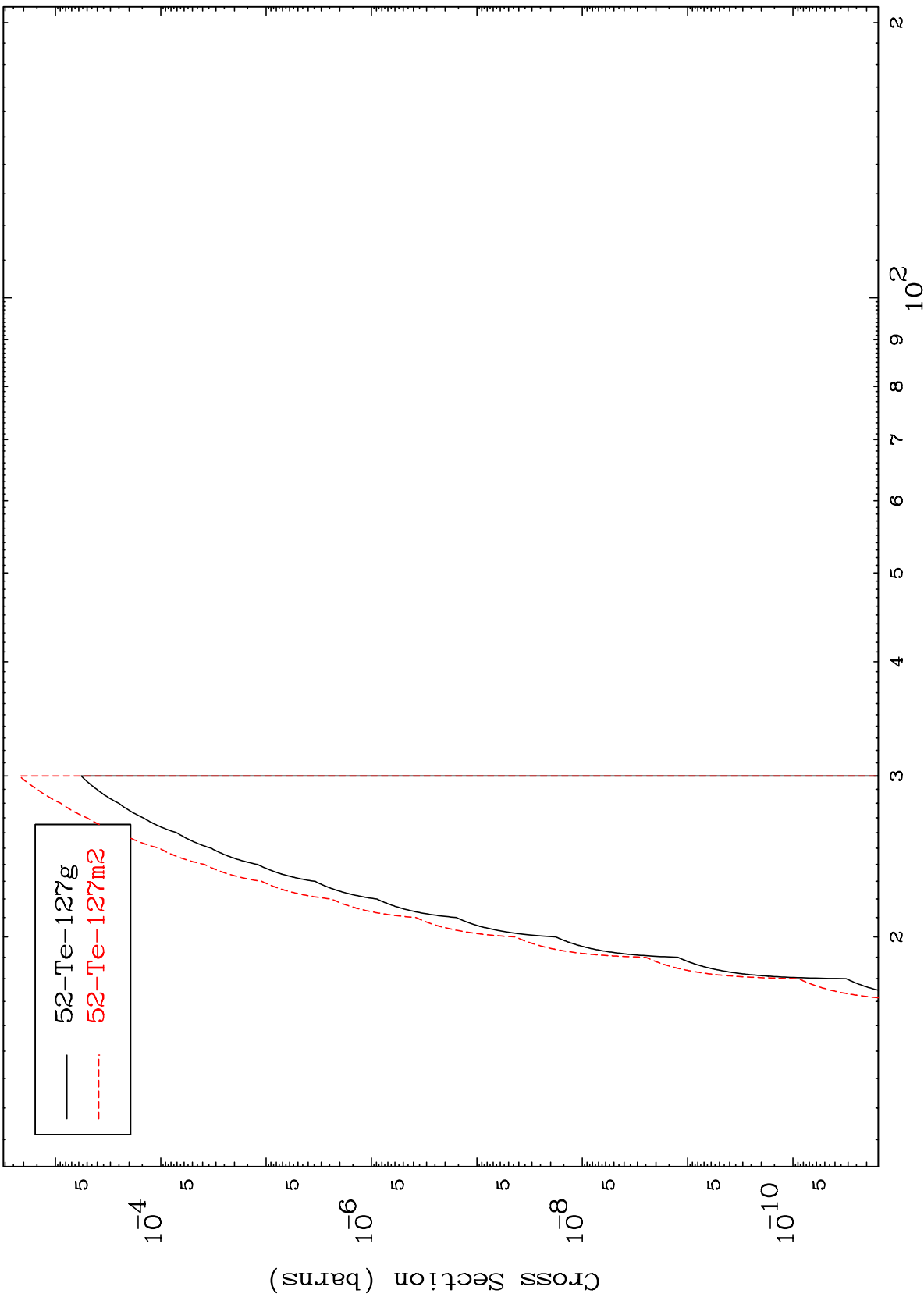
126

MAT 5449

(n,2n)  $\alpha$

54-Xe-132

Radionuclide Production Cross Section



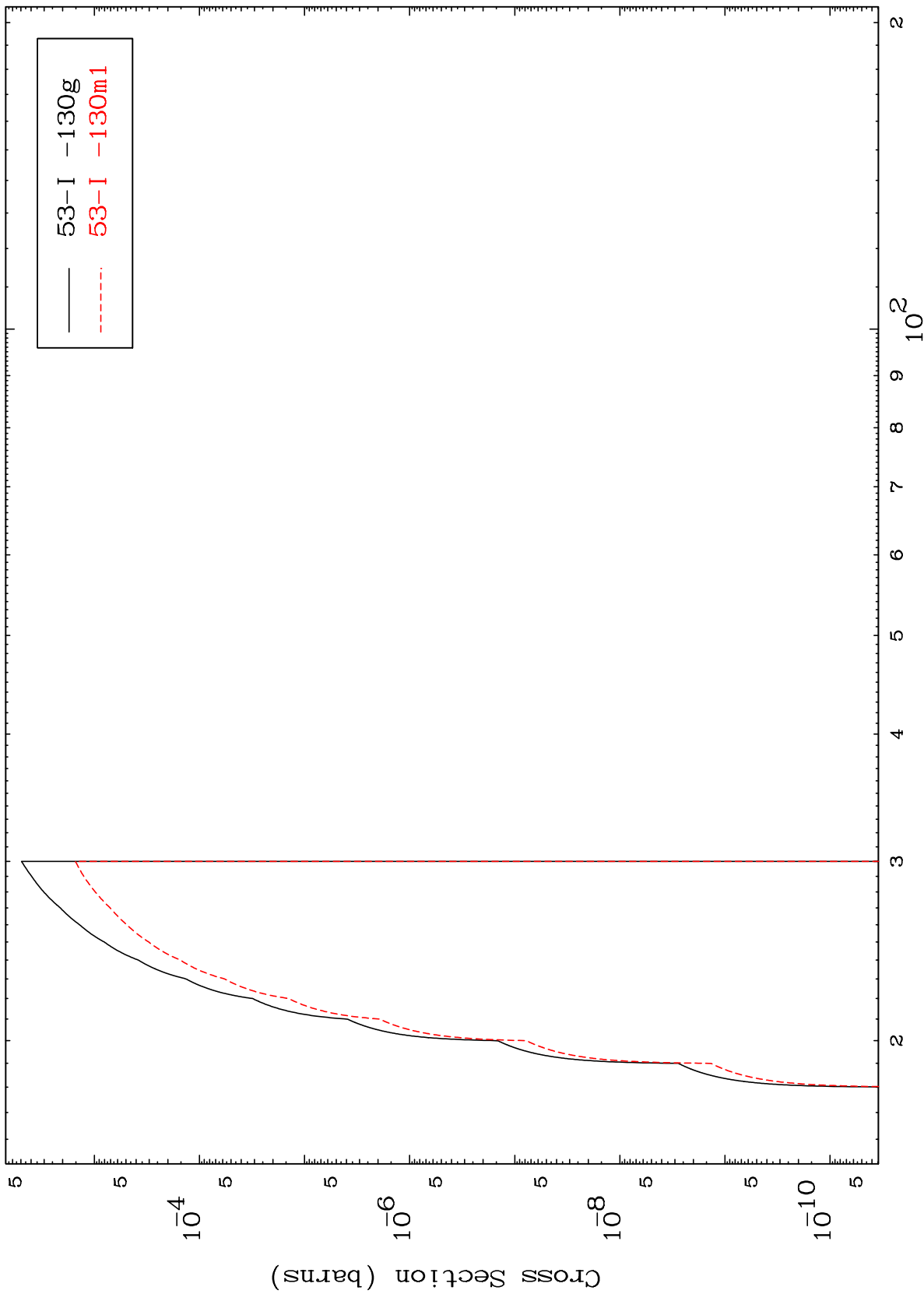
127

Incident Energy (MeV)

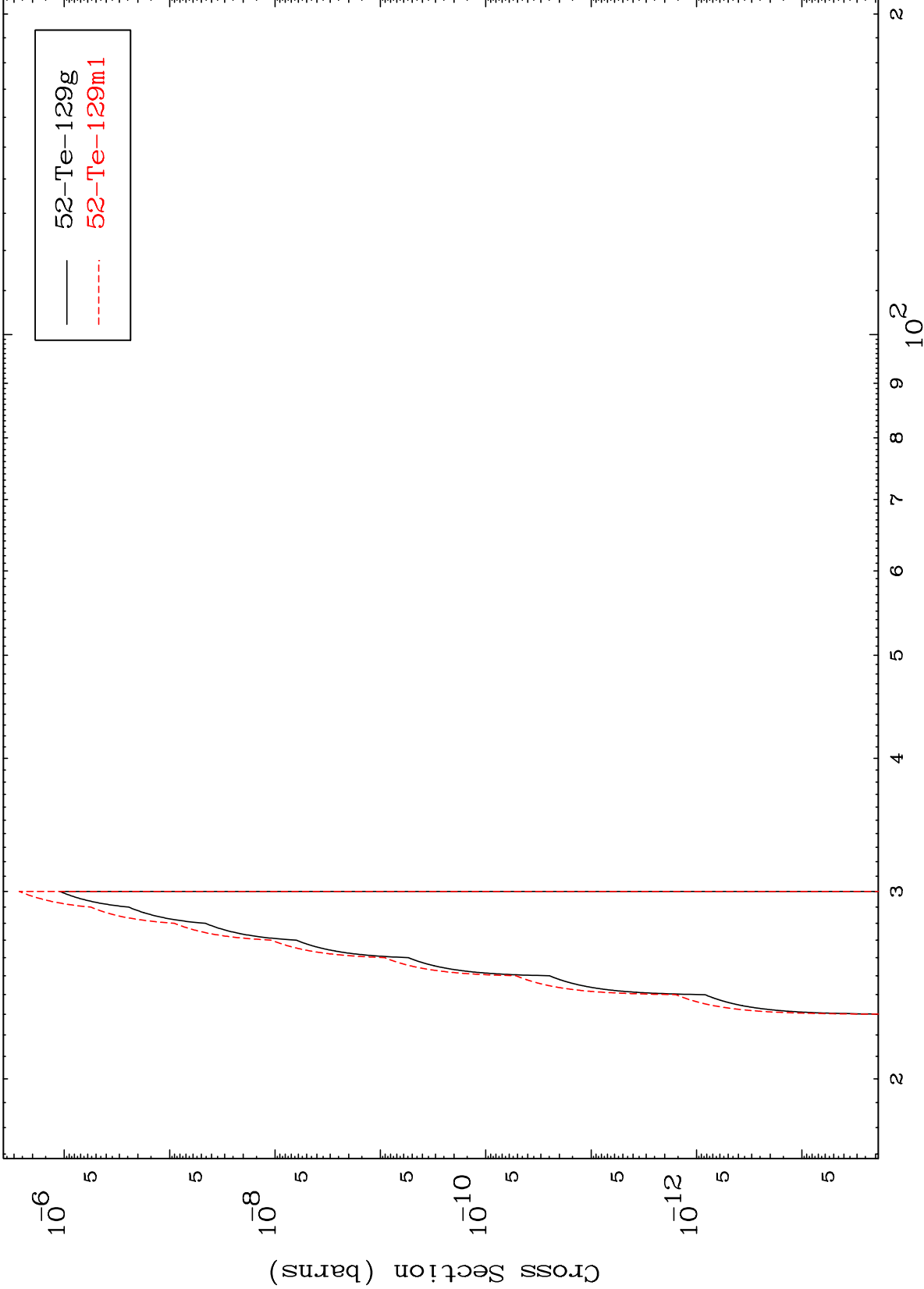
54-Xe-132



Radionuclide Production Cross Section



Radionuclide Production Cross Section

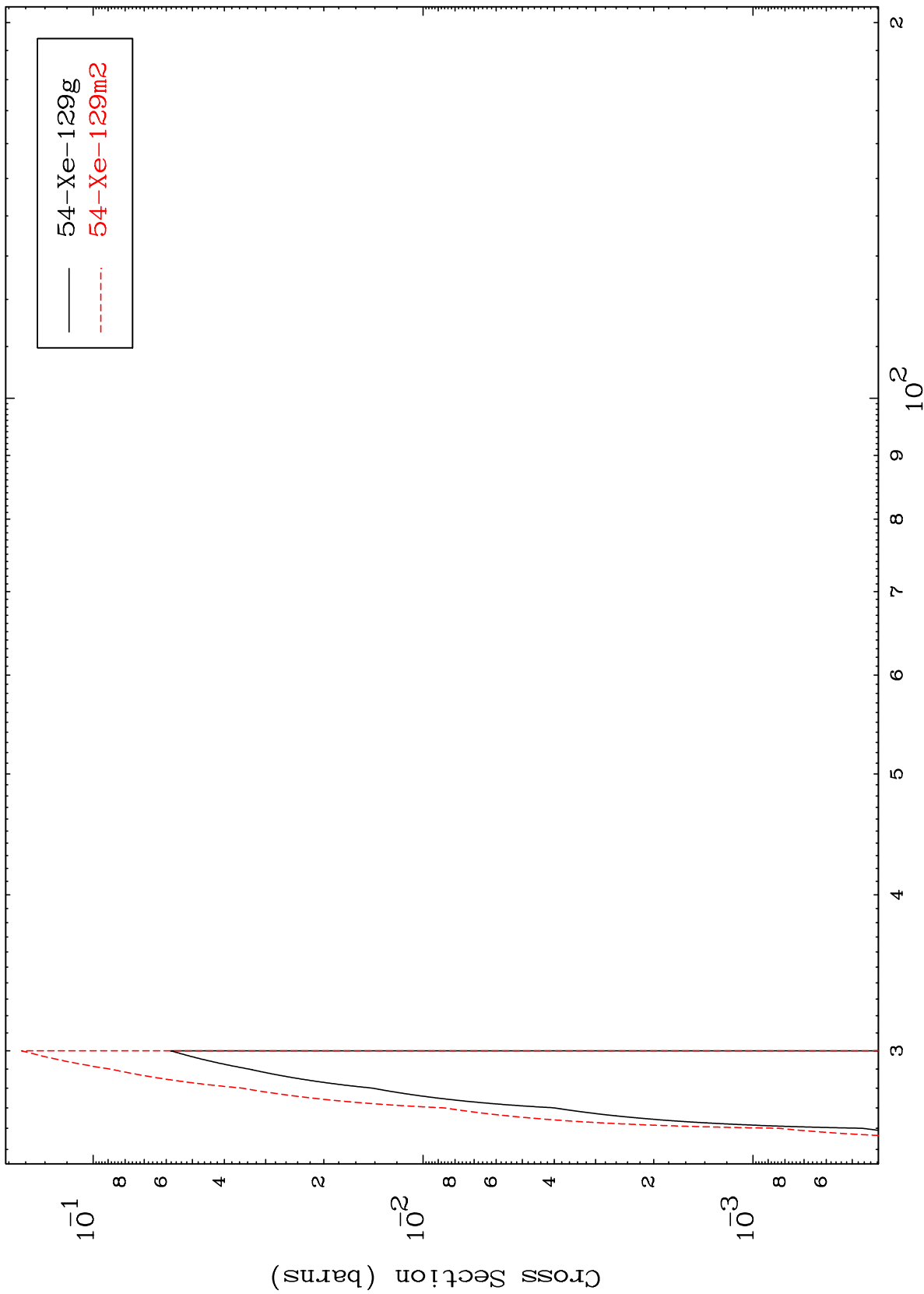


52-Te-129g  
52-Te-129m1

MAT 5449

54-Xe-132

(n,4n)  
Radionuclide Production Cross Section



130

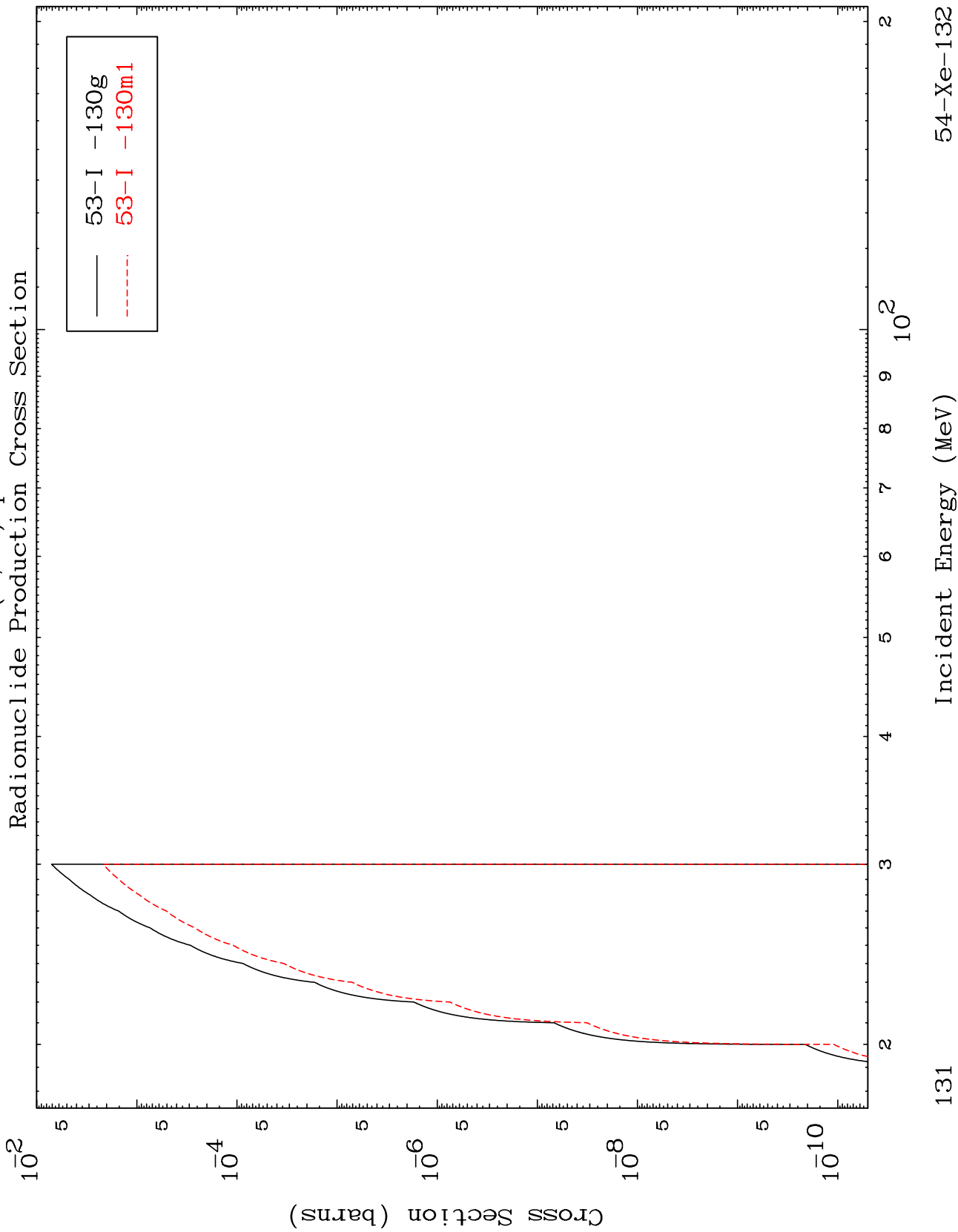
54-Xe-132

Incident Energy (MeV)

MAT 5449

(n,2n) p

54-Xe-132



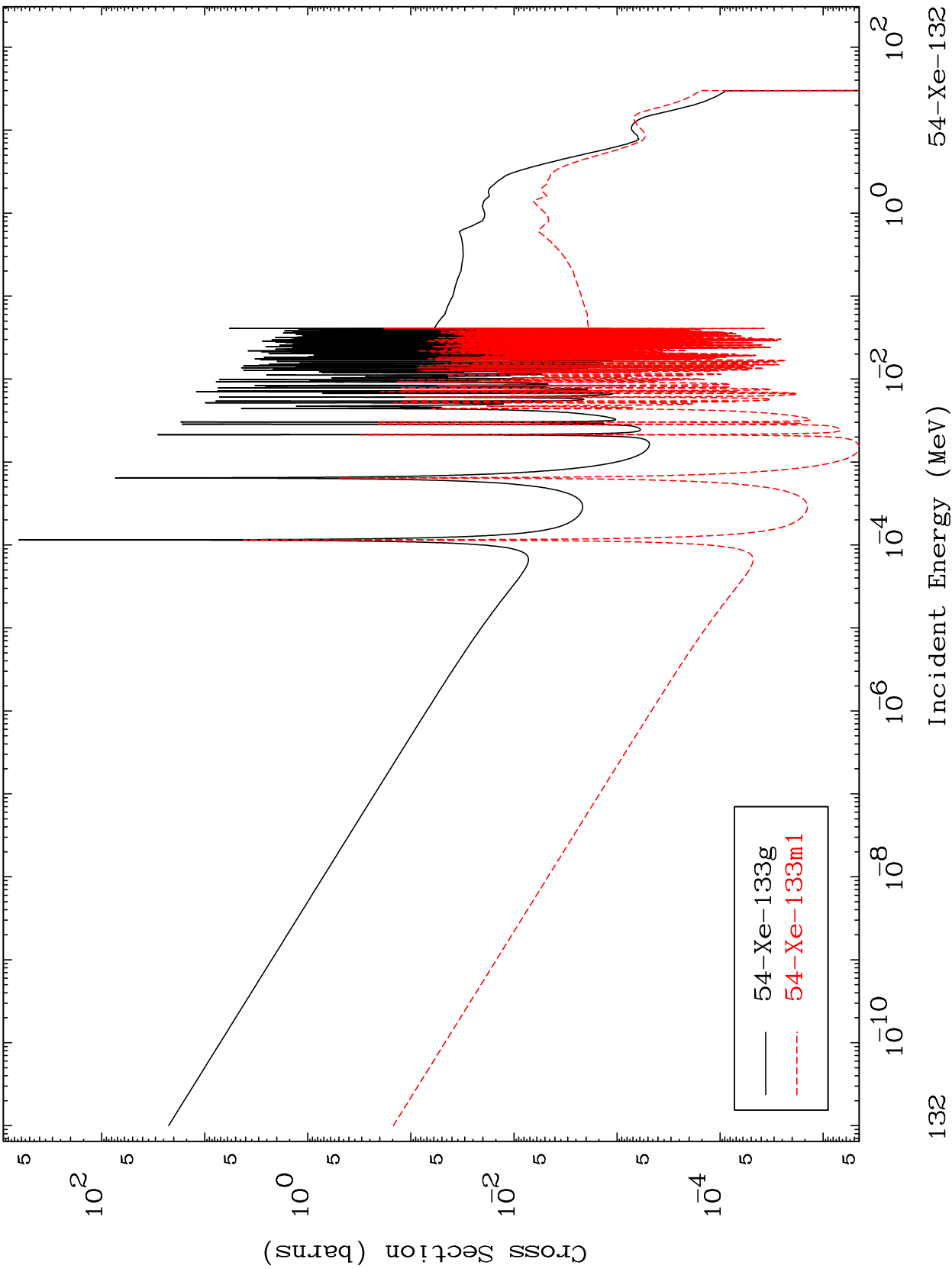
131

54-Xe-132

MAT 5449

54-Xe-132

$(n, \gamma)$   
Radionuclide Production Cross Section

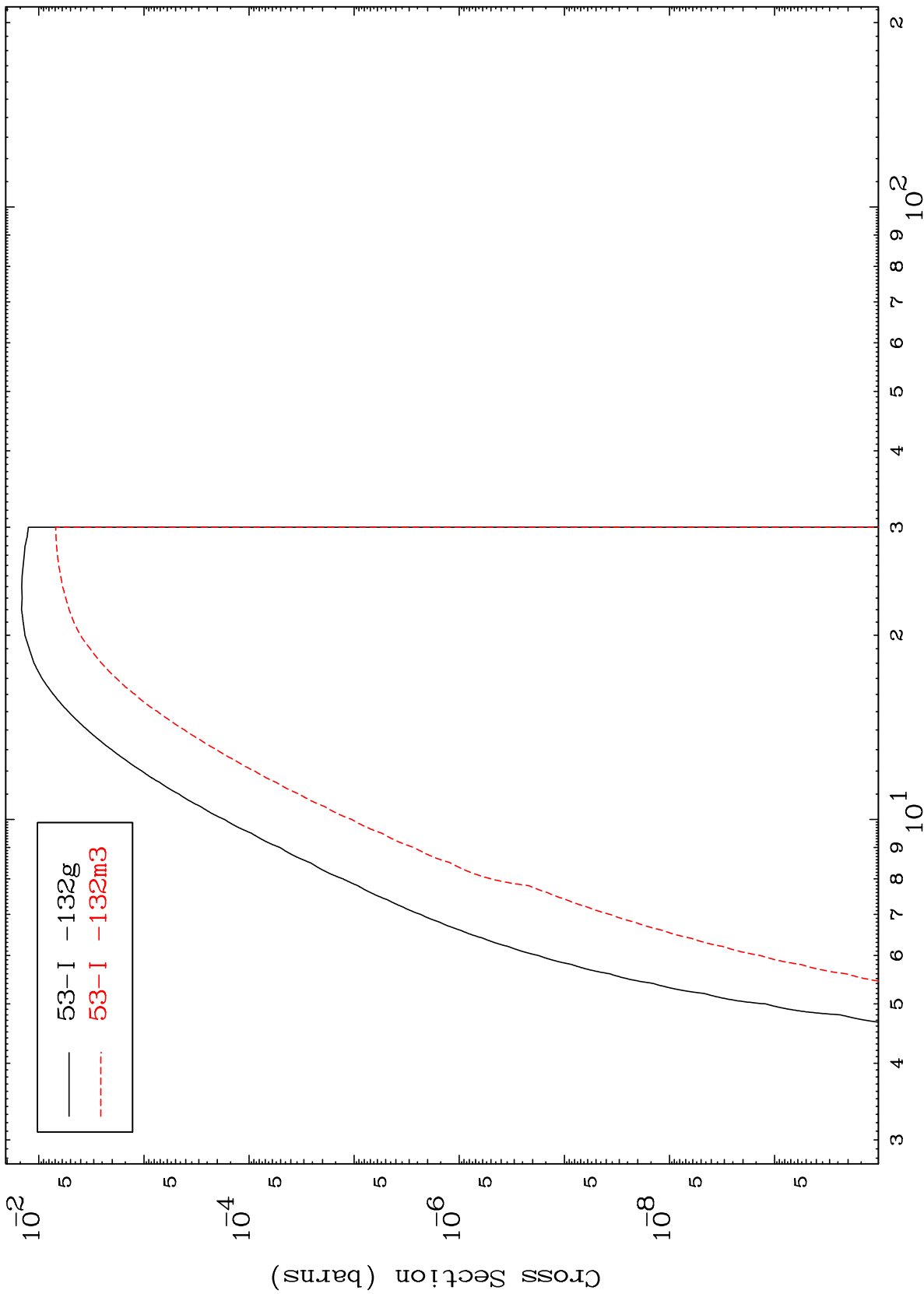


132

MAT 5449

54-Xe-132

(n,p)  
Radionuclide Production Cross Section



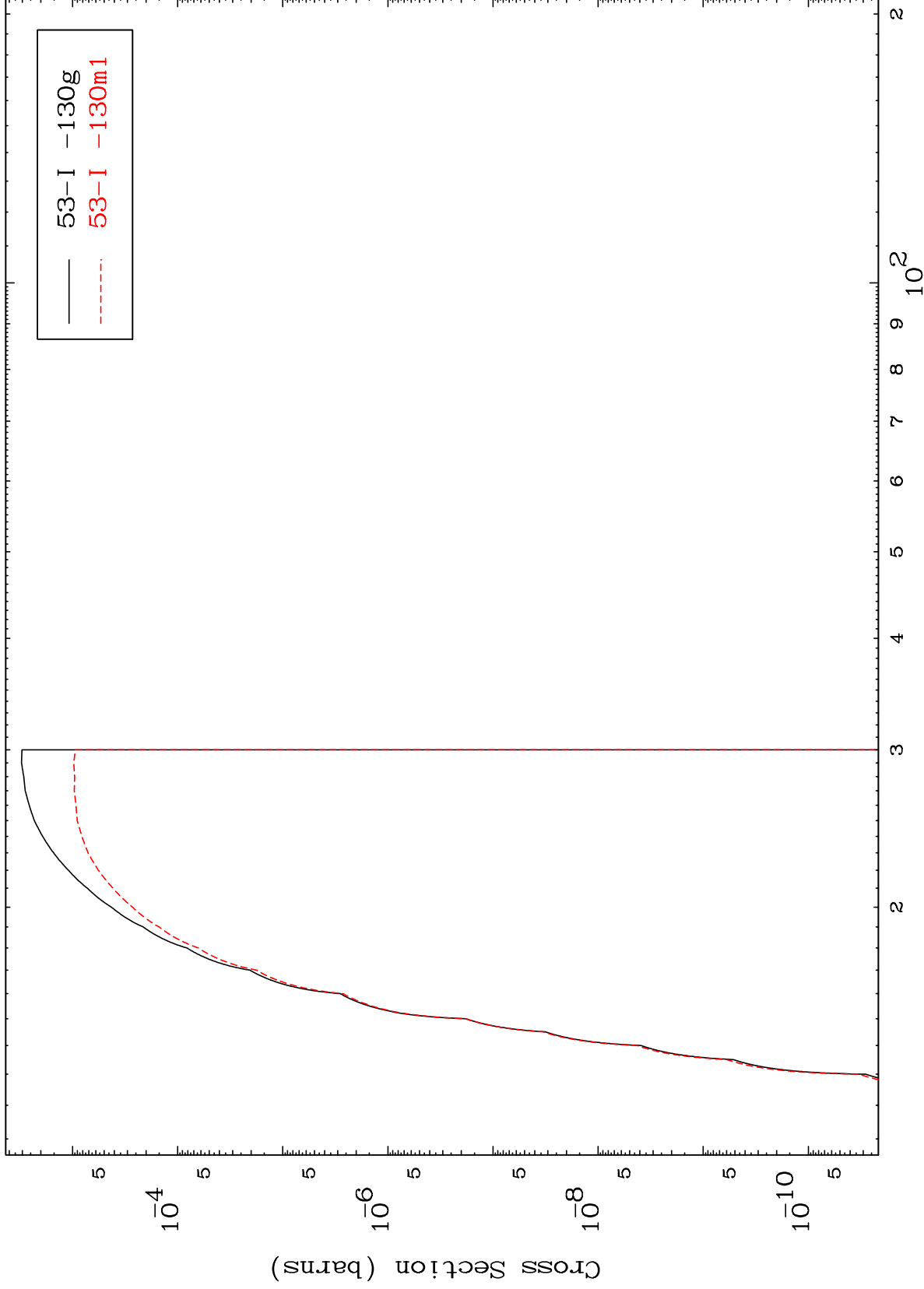
— 53-I -132g  
- - - 53-I -132m3

54-Xe-132

Incident Energy (MeV)

133

Radionuclide Production Cross Section

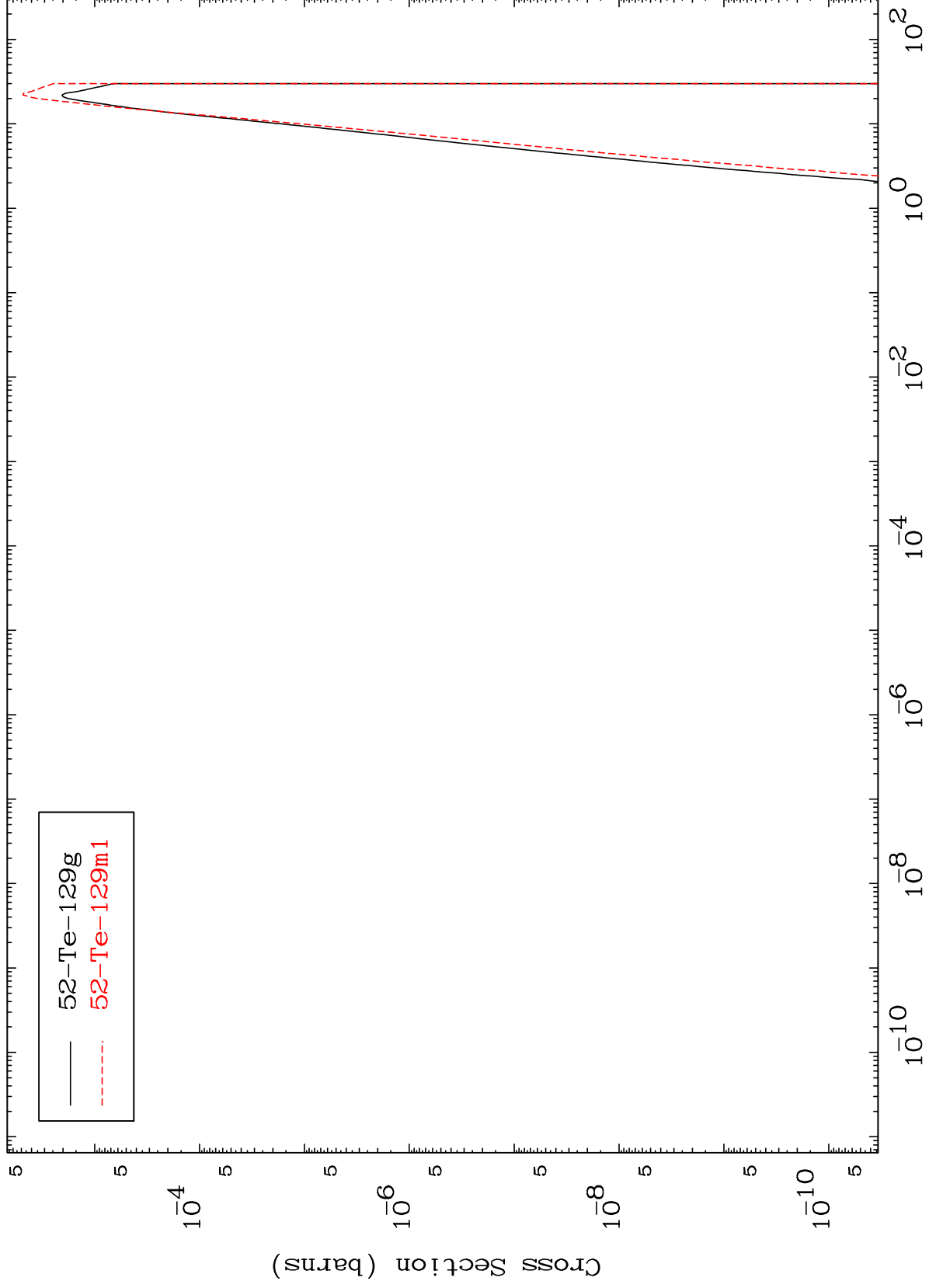


MAT 5449

(n,  $\alpha$ )

54-Xe-132

Radionuclide Production Cross Section



135

Incident Energy (MeV)

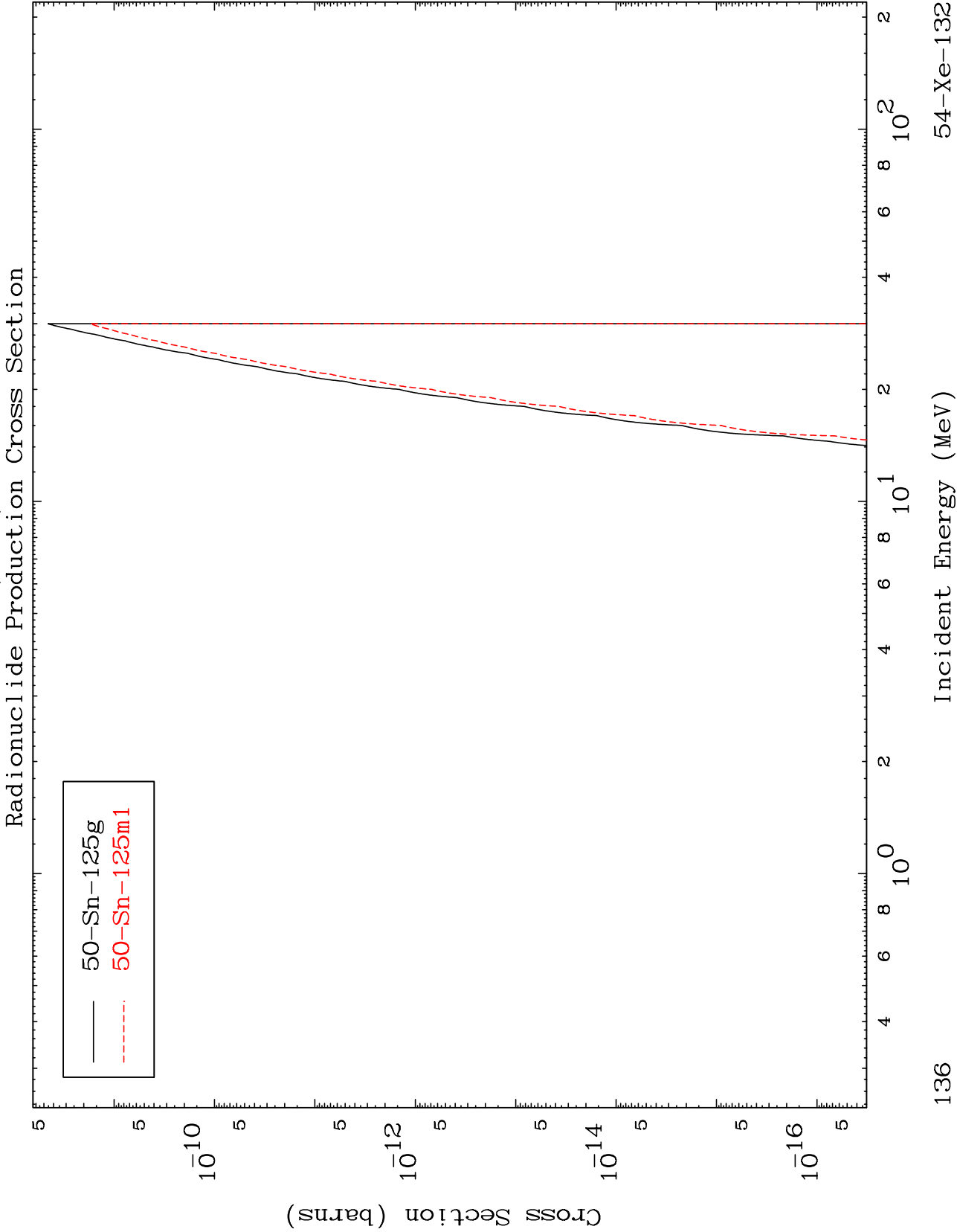
54-Xe-132



MAT 5449

(n,2α)

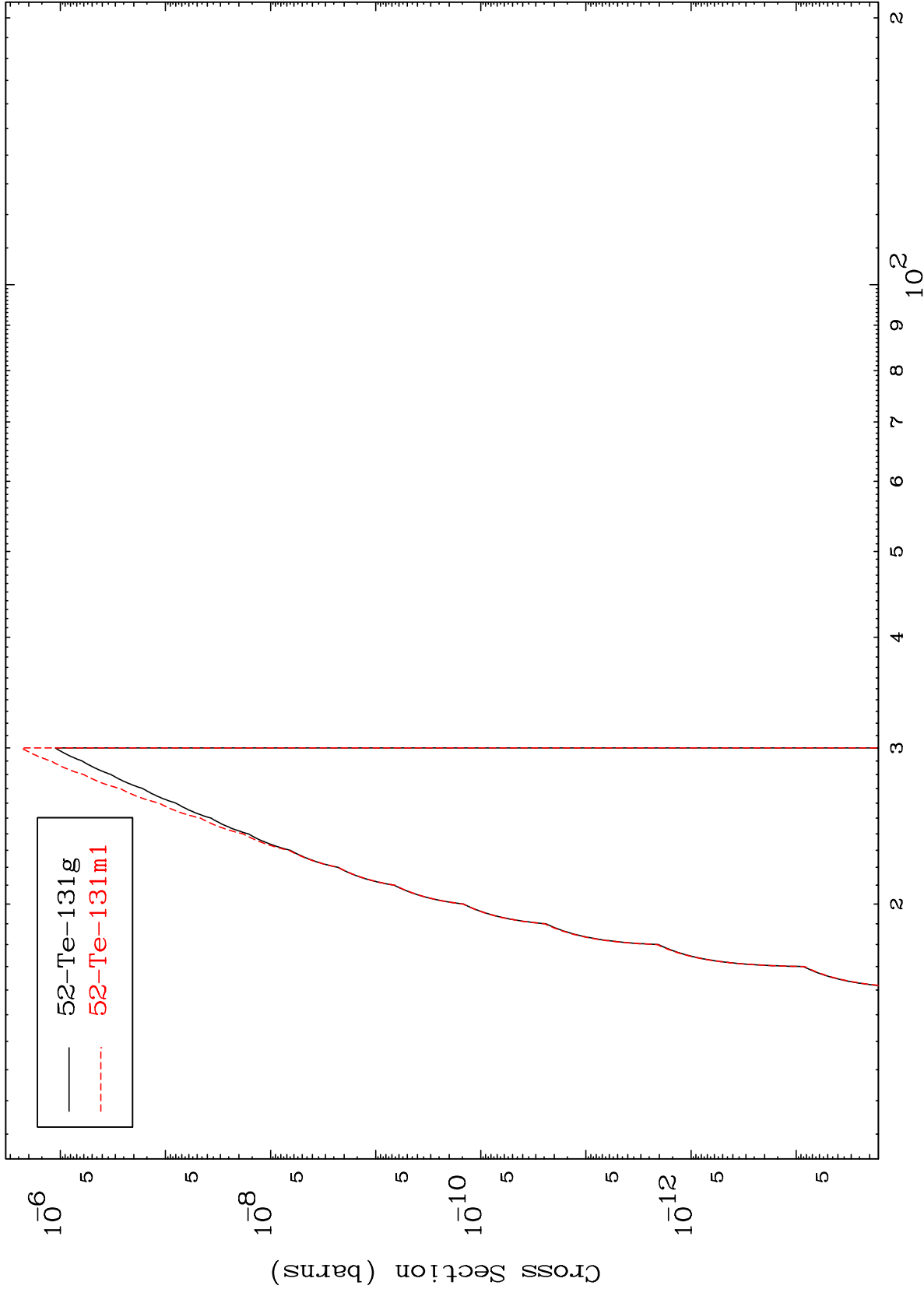
54-Xe-132



MAT 5449

54-Xe-132

(n,2p)  
Radionuclide Production Cross Section



137

54-Xe-132

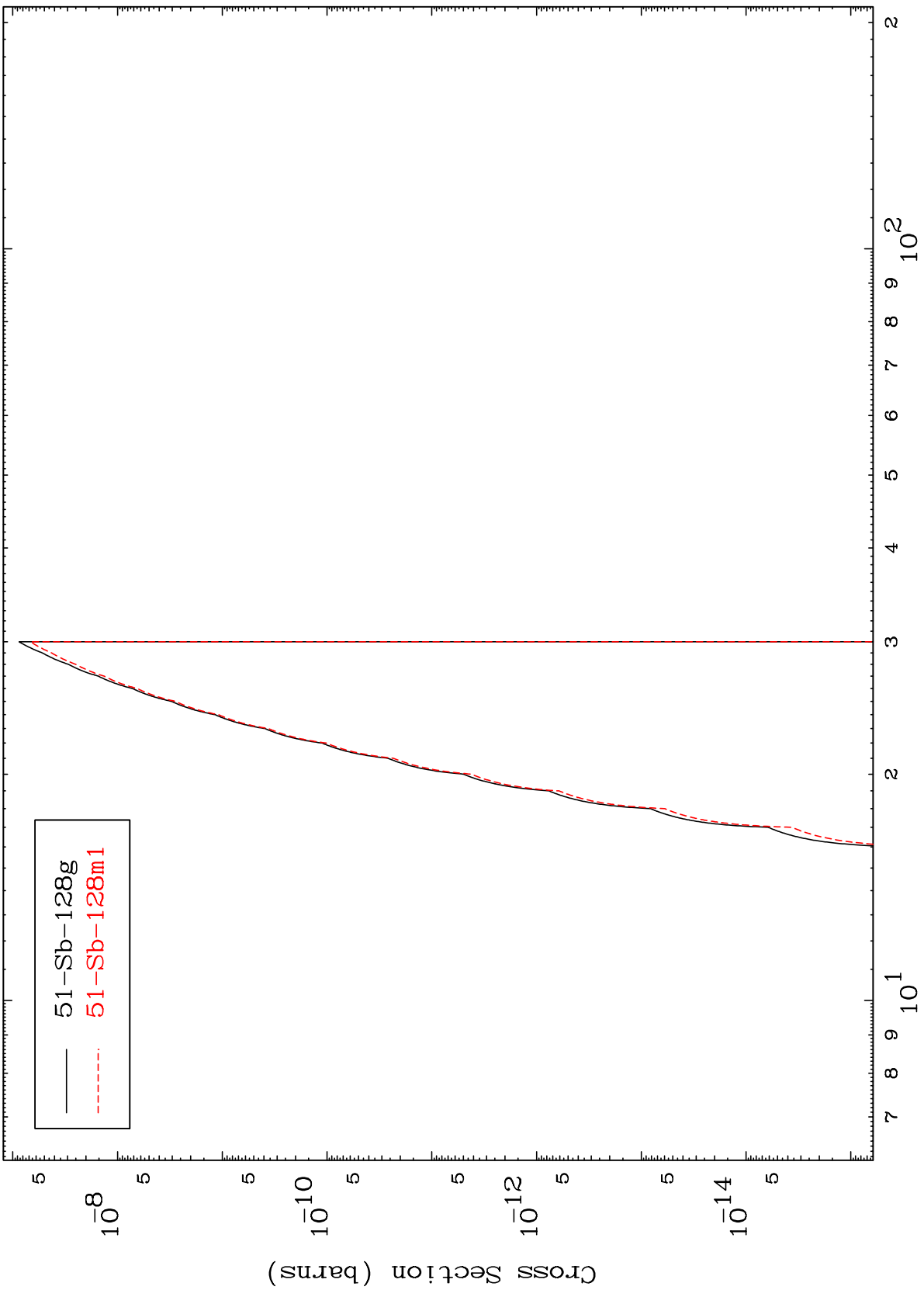
Incident Energy (MeV)

MAT 5449

(n,p)  $\alpha$

54-Xe-132

Radionuclide Production Cross Section



138

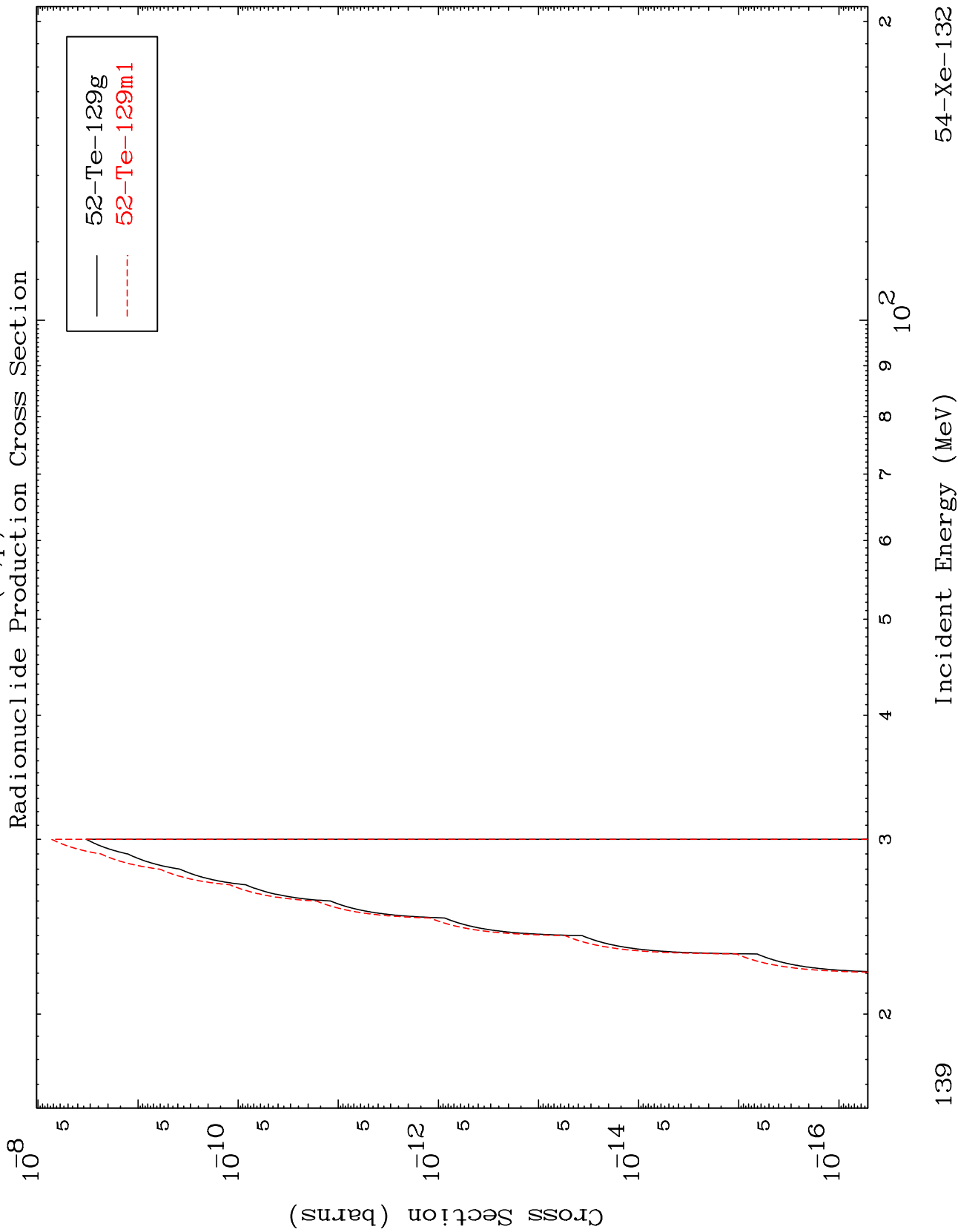
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,p) t

54-Xe-132



139