

Program EVALPLOT  
(Version 2018-1)

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

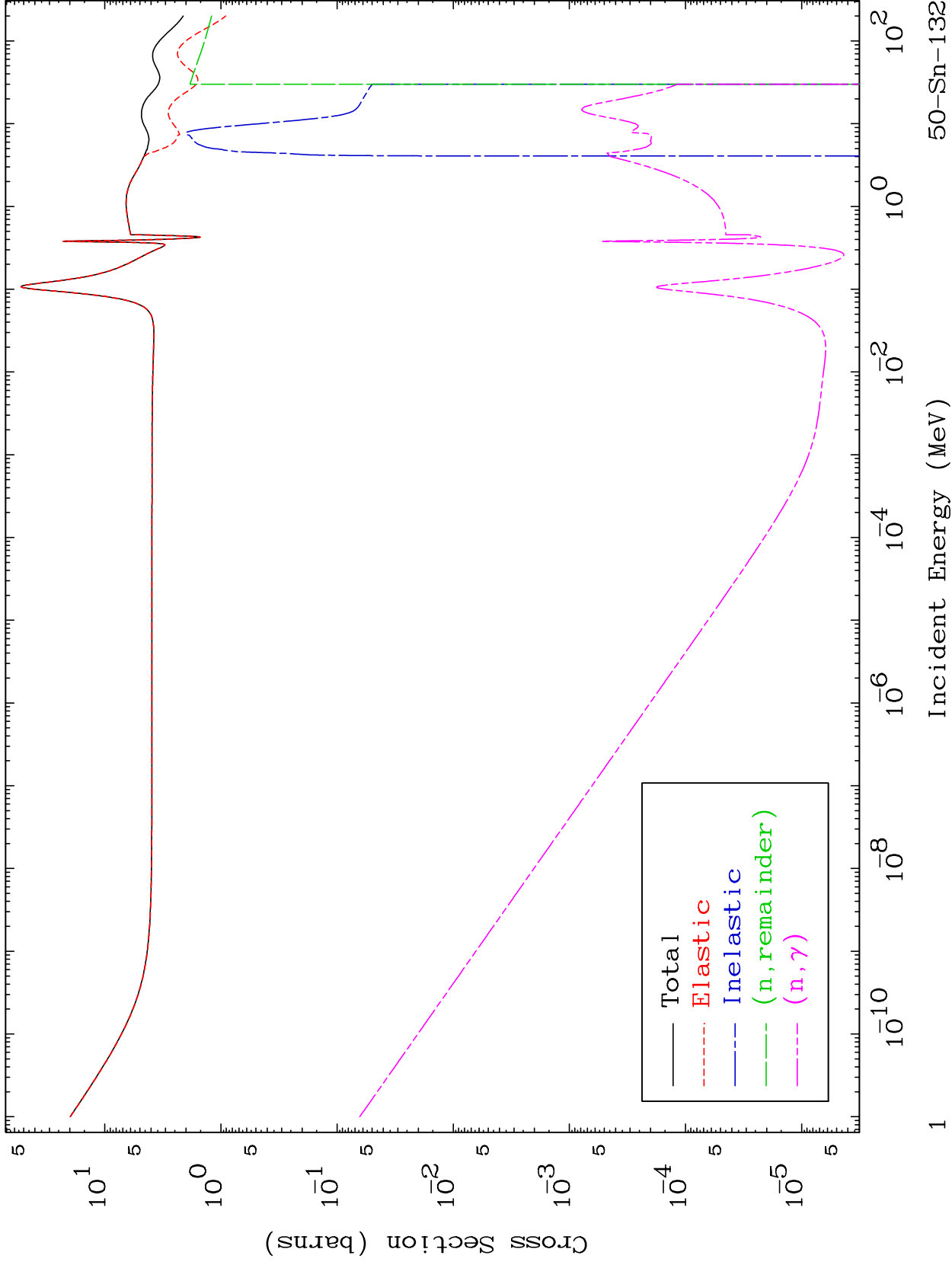
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5085

Major  
293 Kelvin Cross Sections

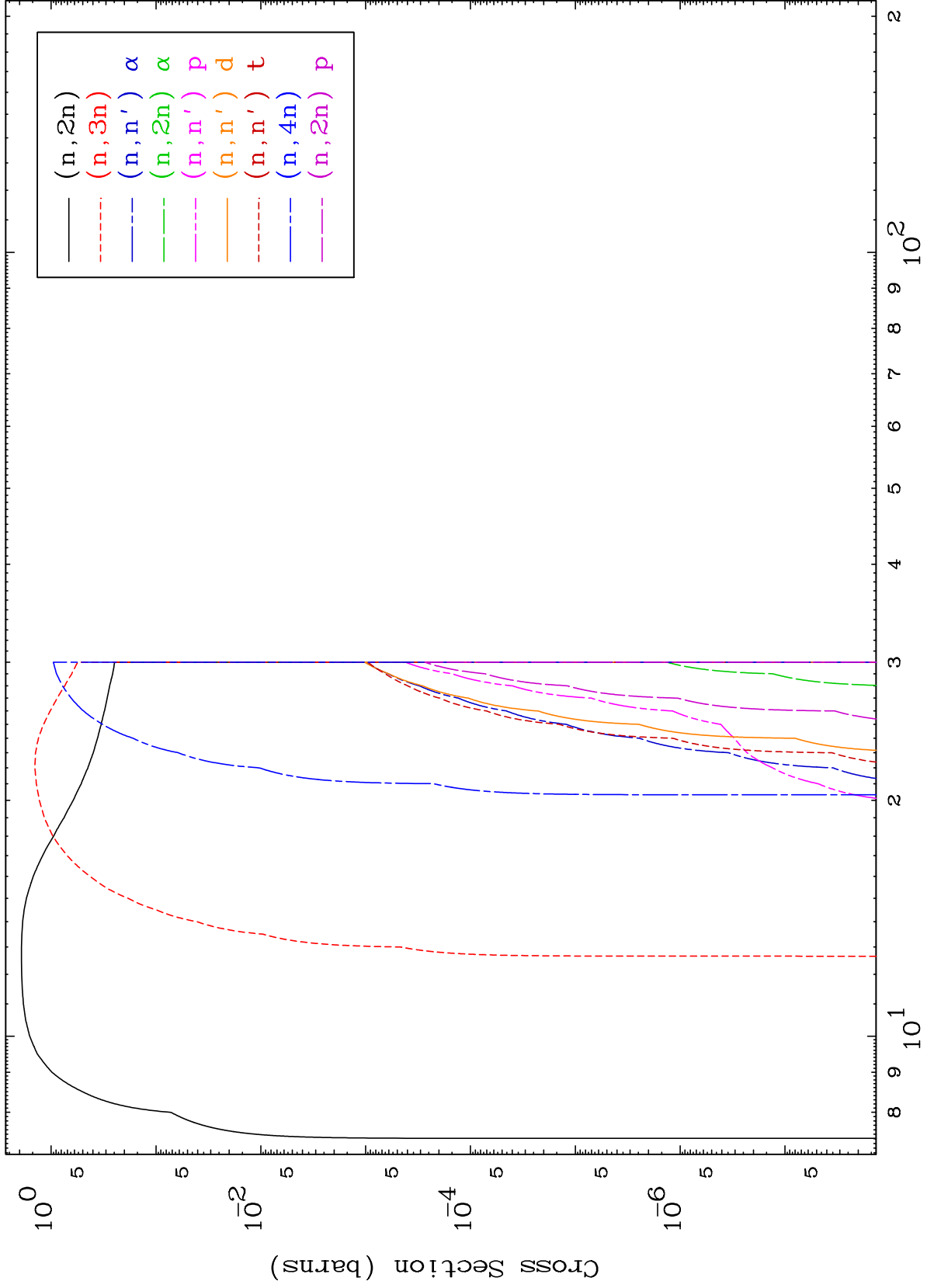
50-Sn-132

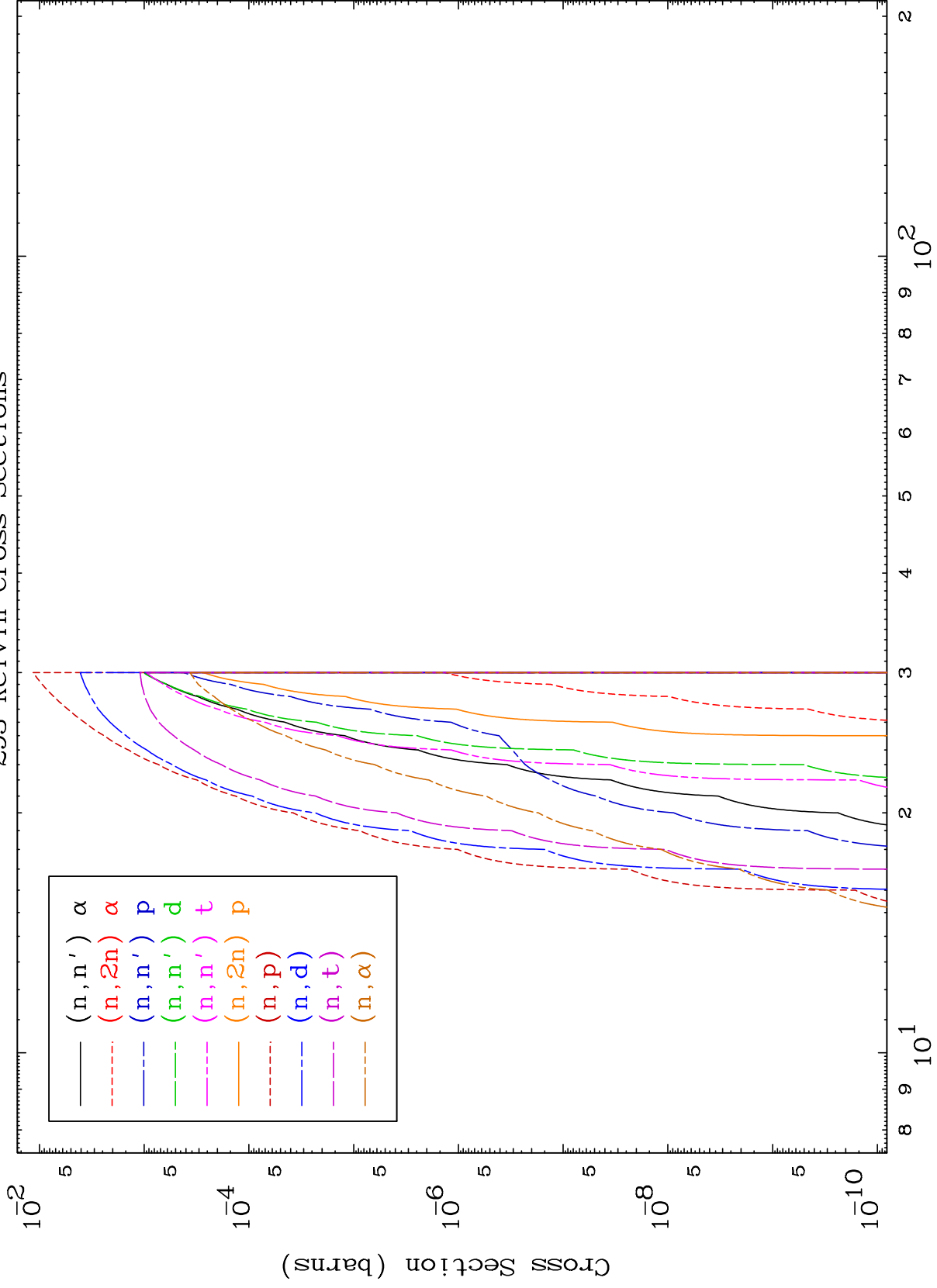


MAT 5085

Neutron Production  
293 Kelvin Cross Sections

50-Sn-132

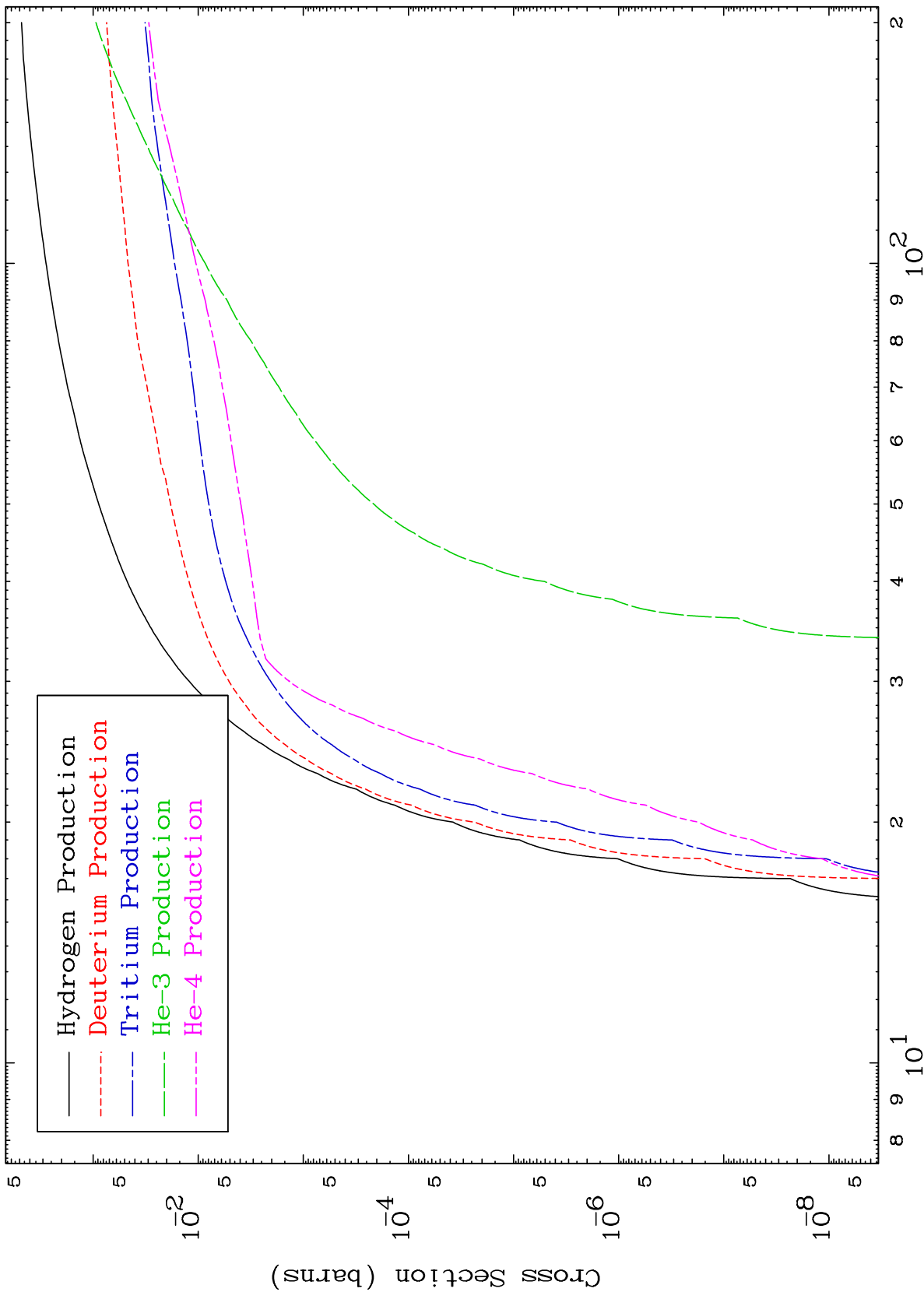




MAT 5085

Particle Production  
293 Kelvin Cross Sections

50-Sn-132



4

Incident Energy (MeV)

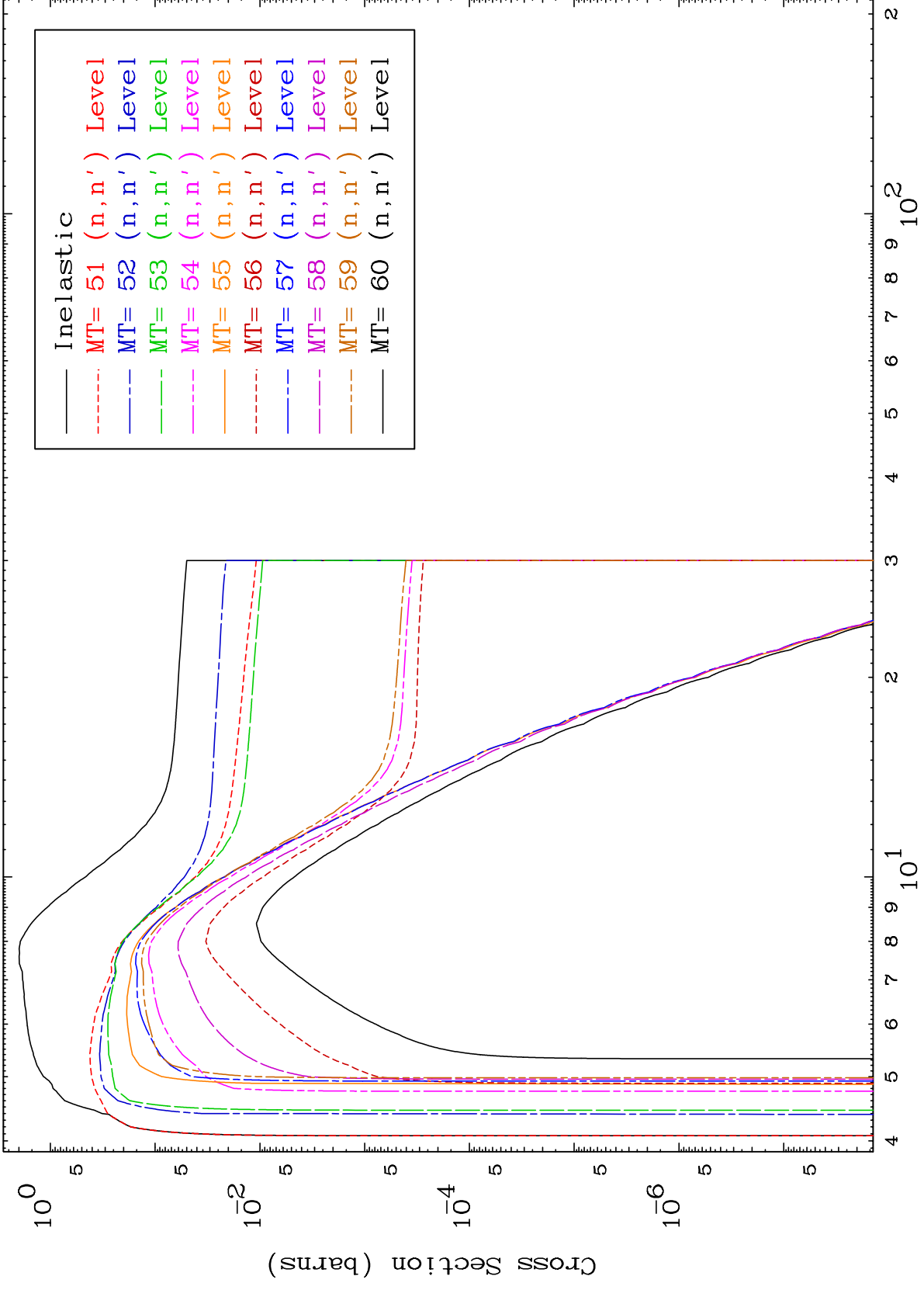
50-Sn-132

MAT 5085

(n,n') Level

50-Sn-132

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-132

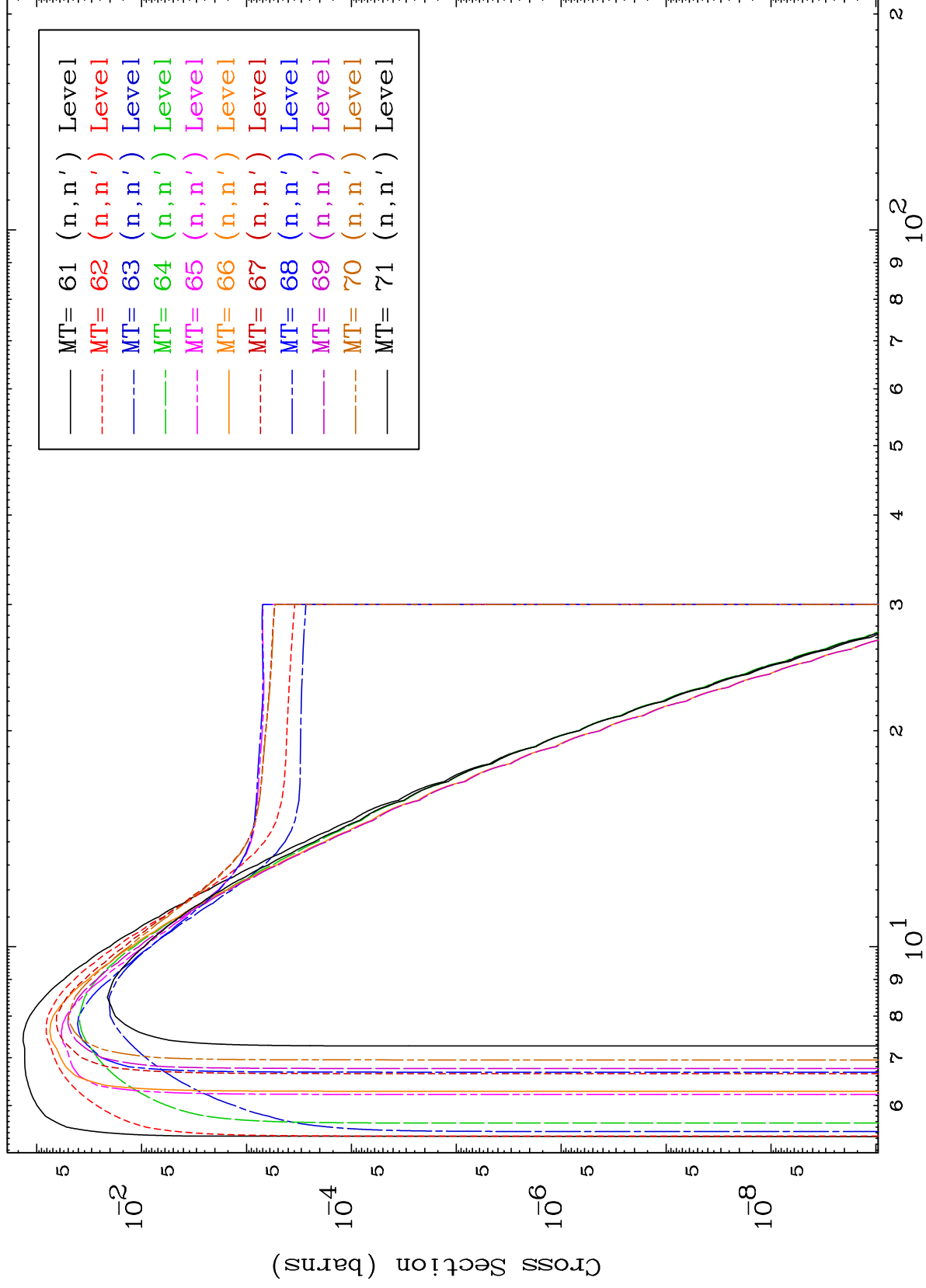
5

MAT 5085

(n,n') Level

50-Sn-132

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-132

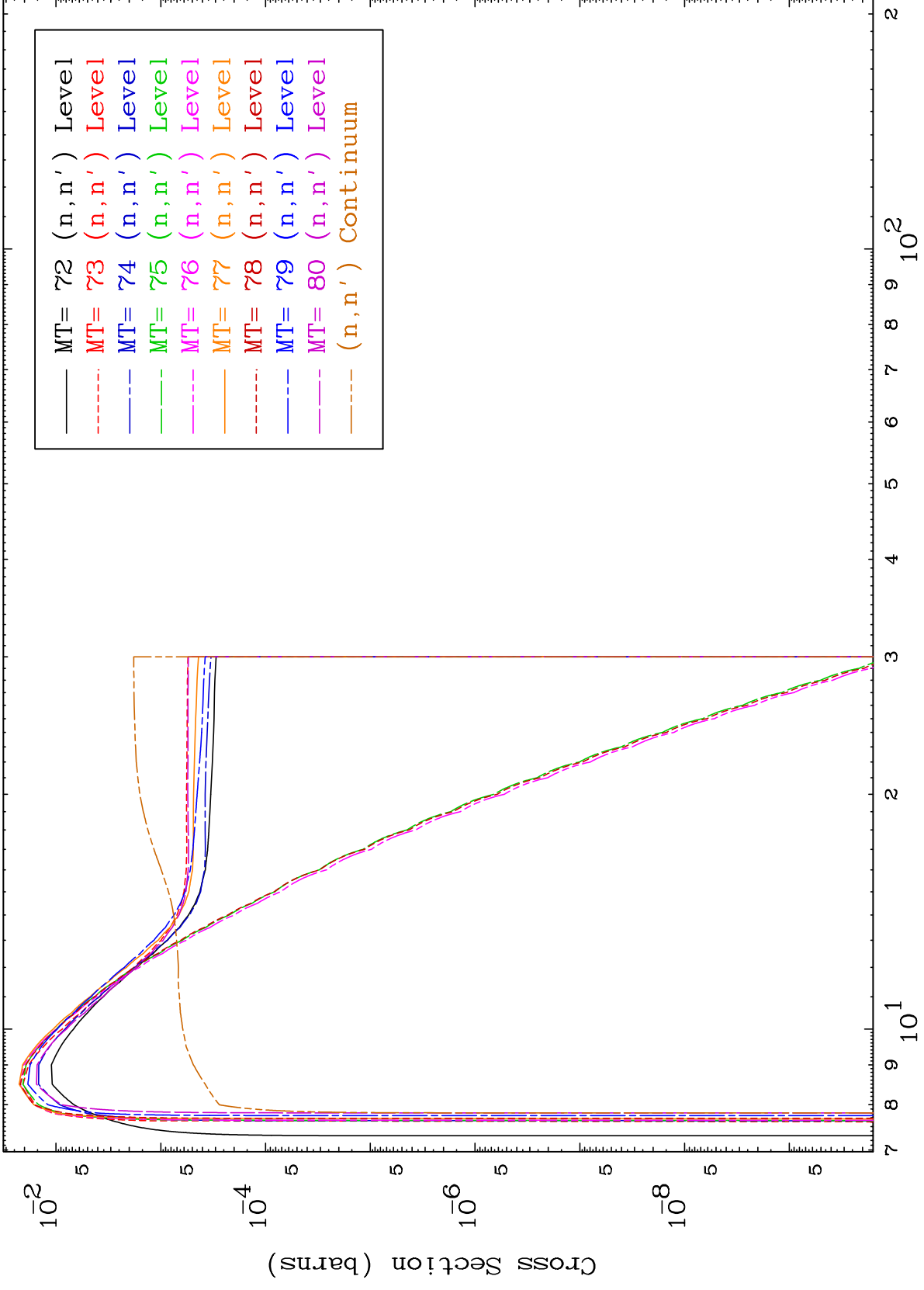
6

MAT 5085

(n,n') Level

50-Sn-132

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-132

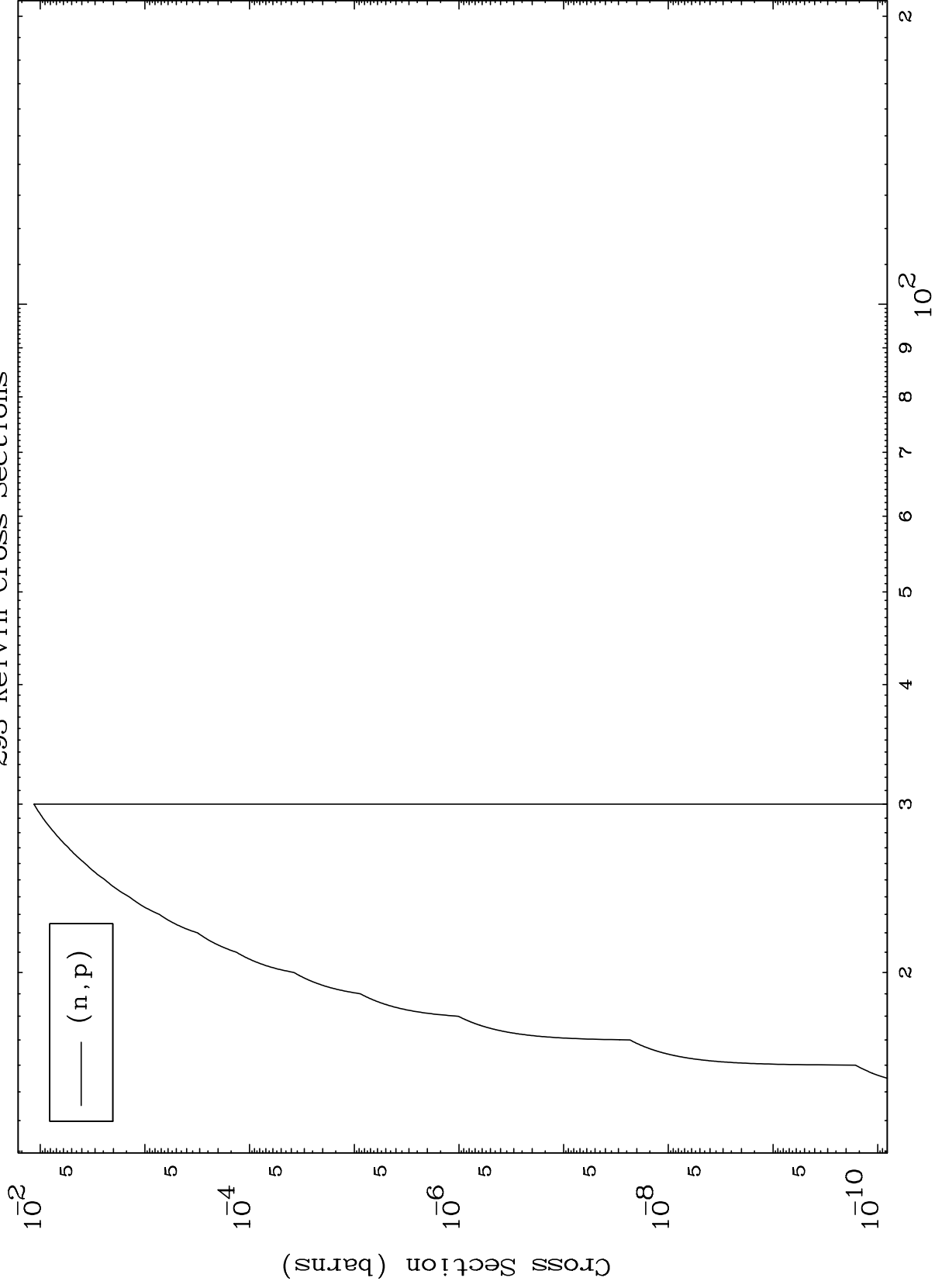
7



MAT 5085

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-132



8

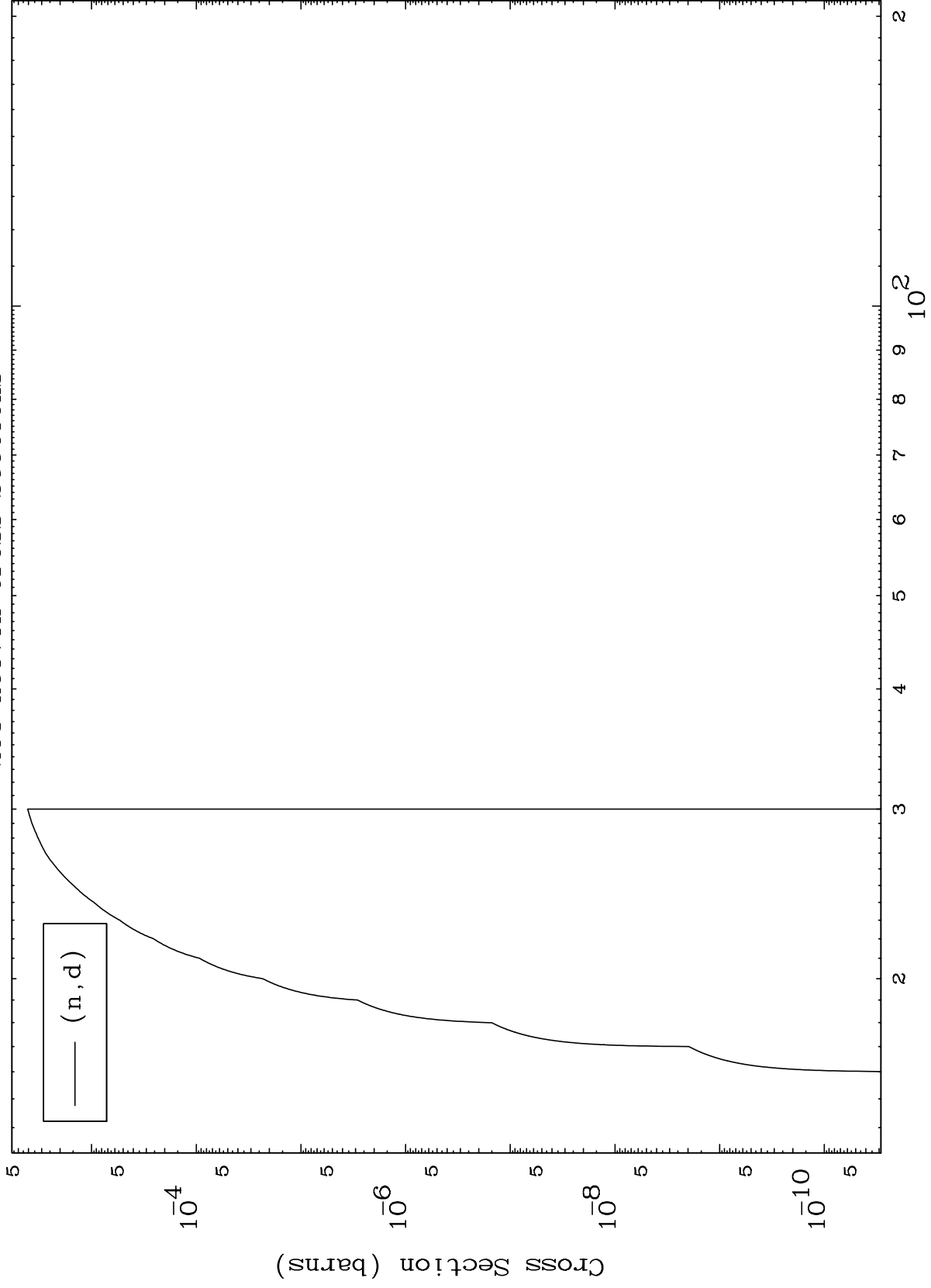
Incident Energy (MeV)

50-Sn-132

MAT 5085

(n,d) Levels  
293 Kelvin Cross Sections

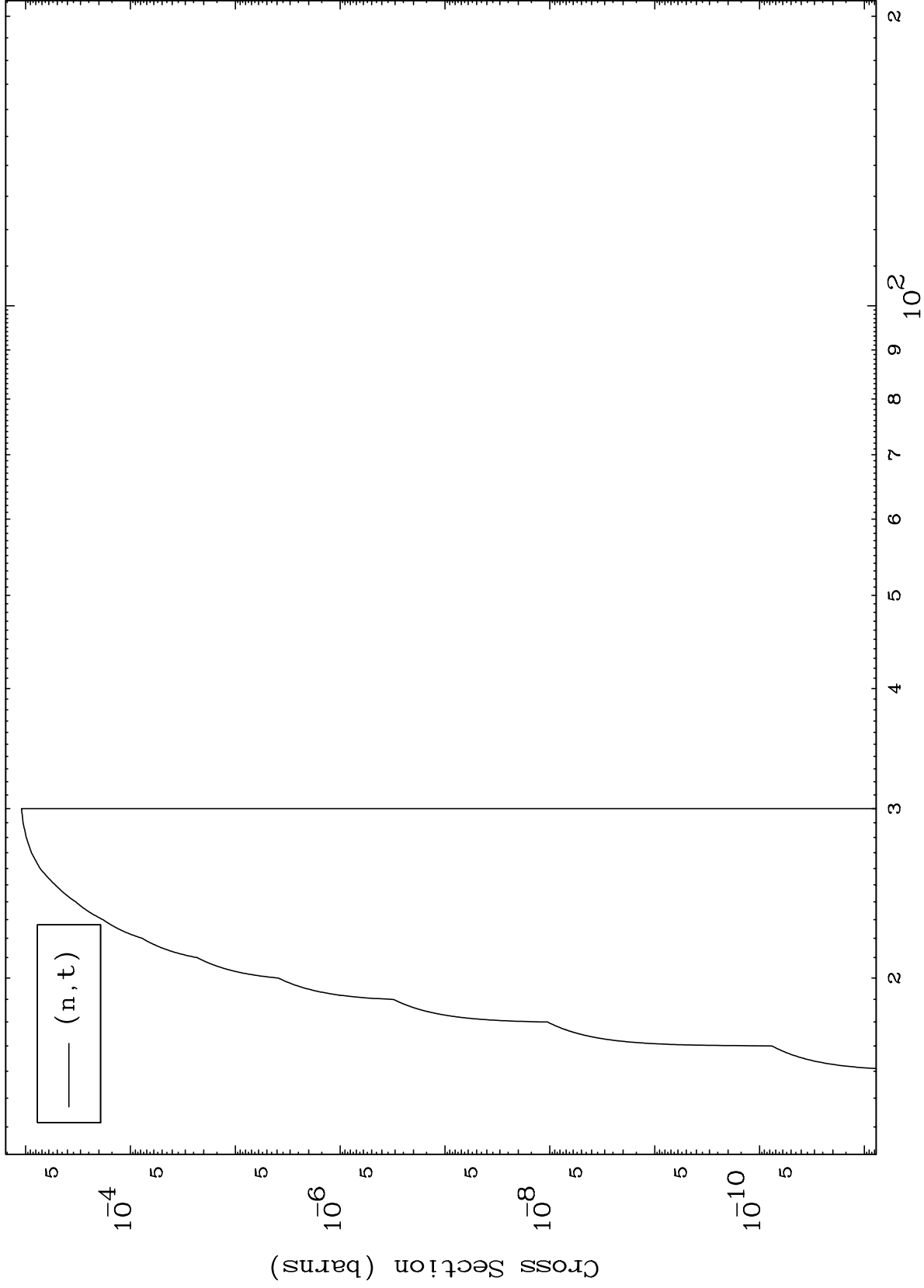
50-Sn-132



MAT 5085

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-132



10

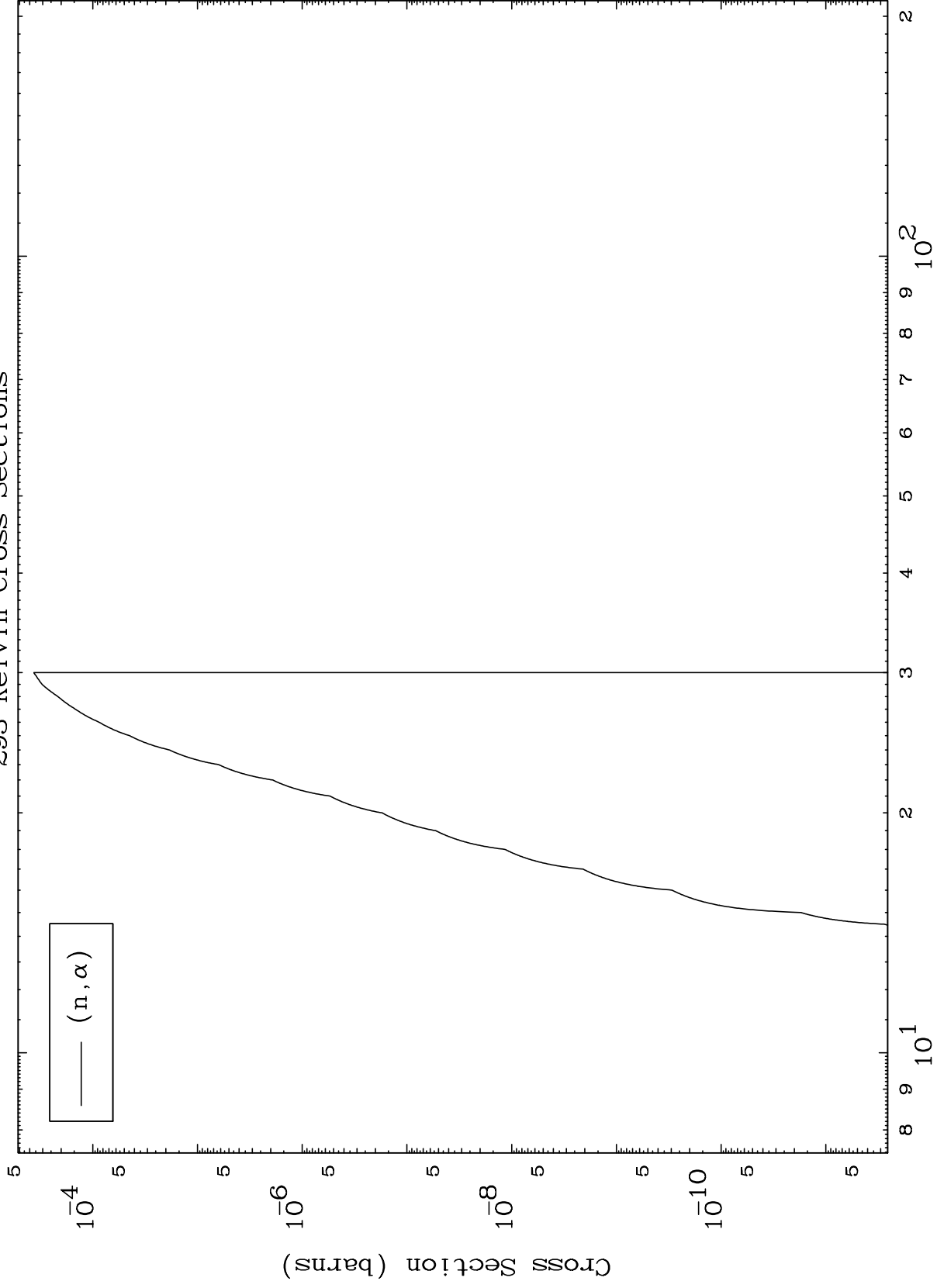
Incident Energy (MeV)

50-Sn-132

MAT 5085

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

50-Sn-132



11

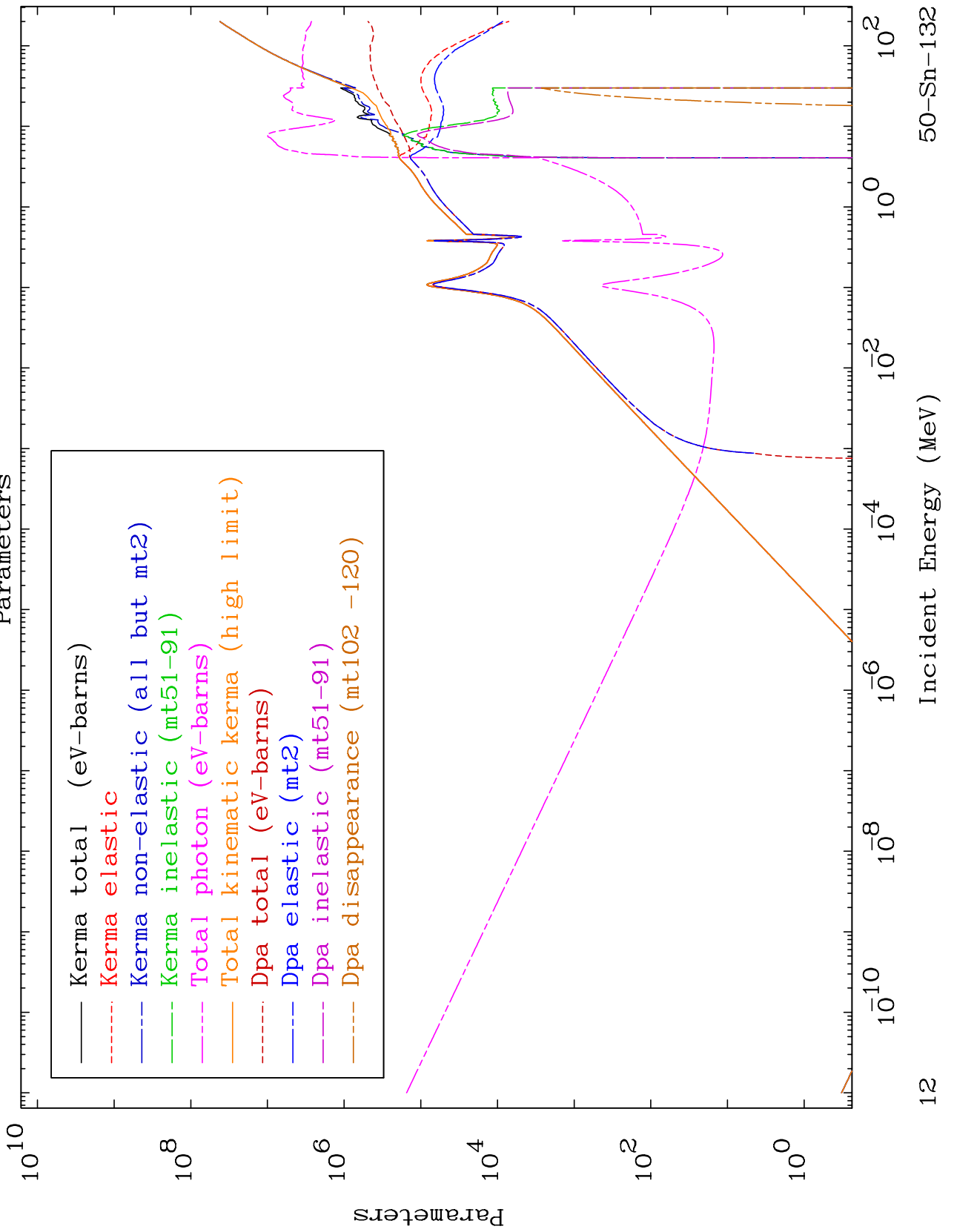
Incident Energy (MeV)

50-Sn-132

MAT 5085

Energy Release  
Parameters

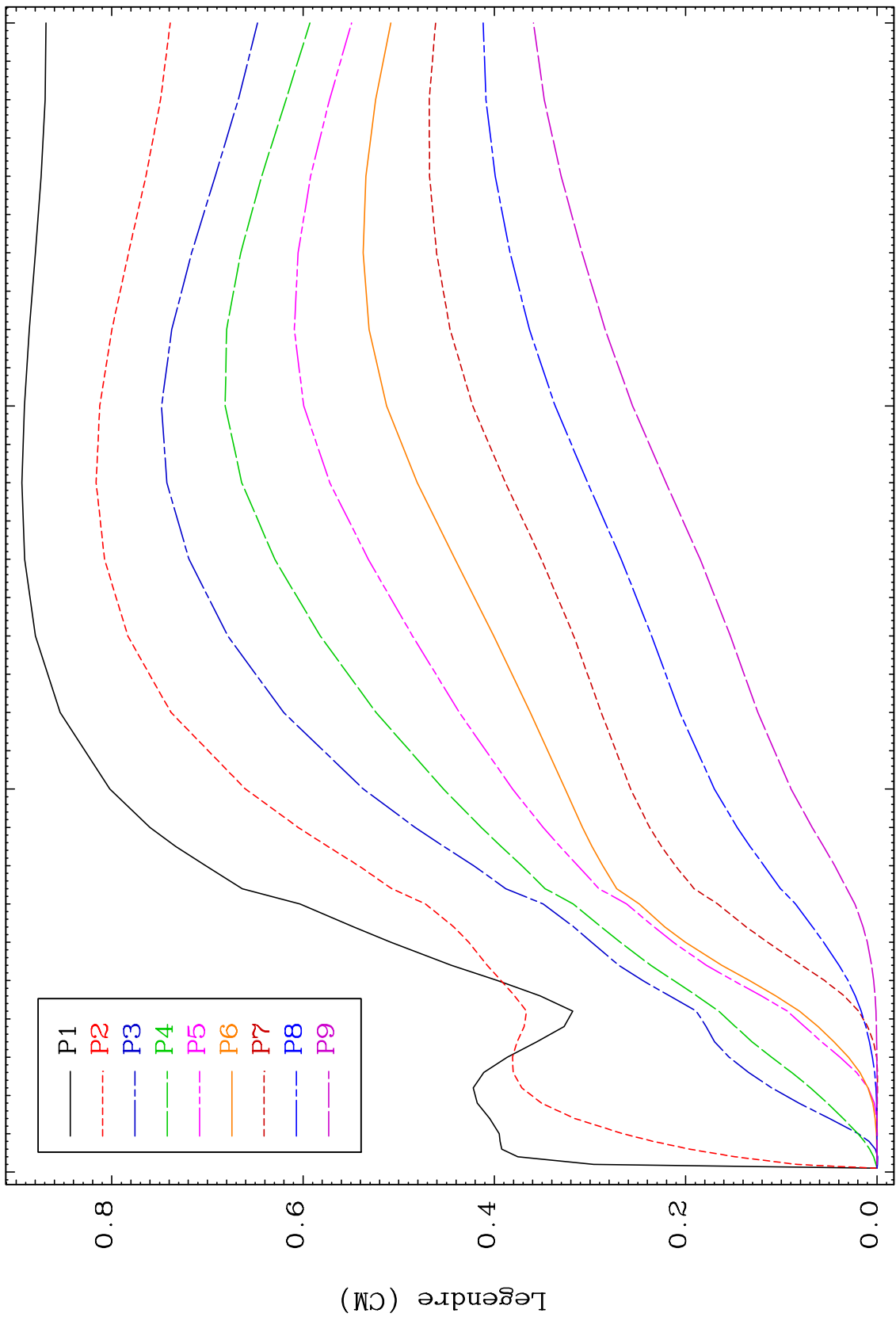
50-Sn-132



MAT 5085

Elastic Legendre Coefficients

50-Sn-132



13

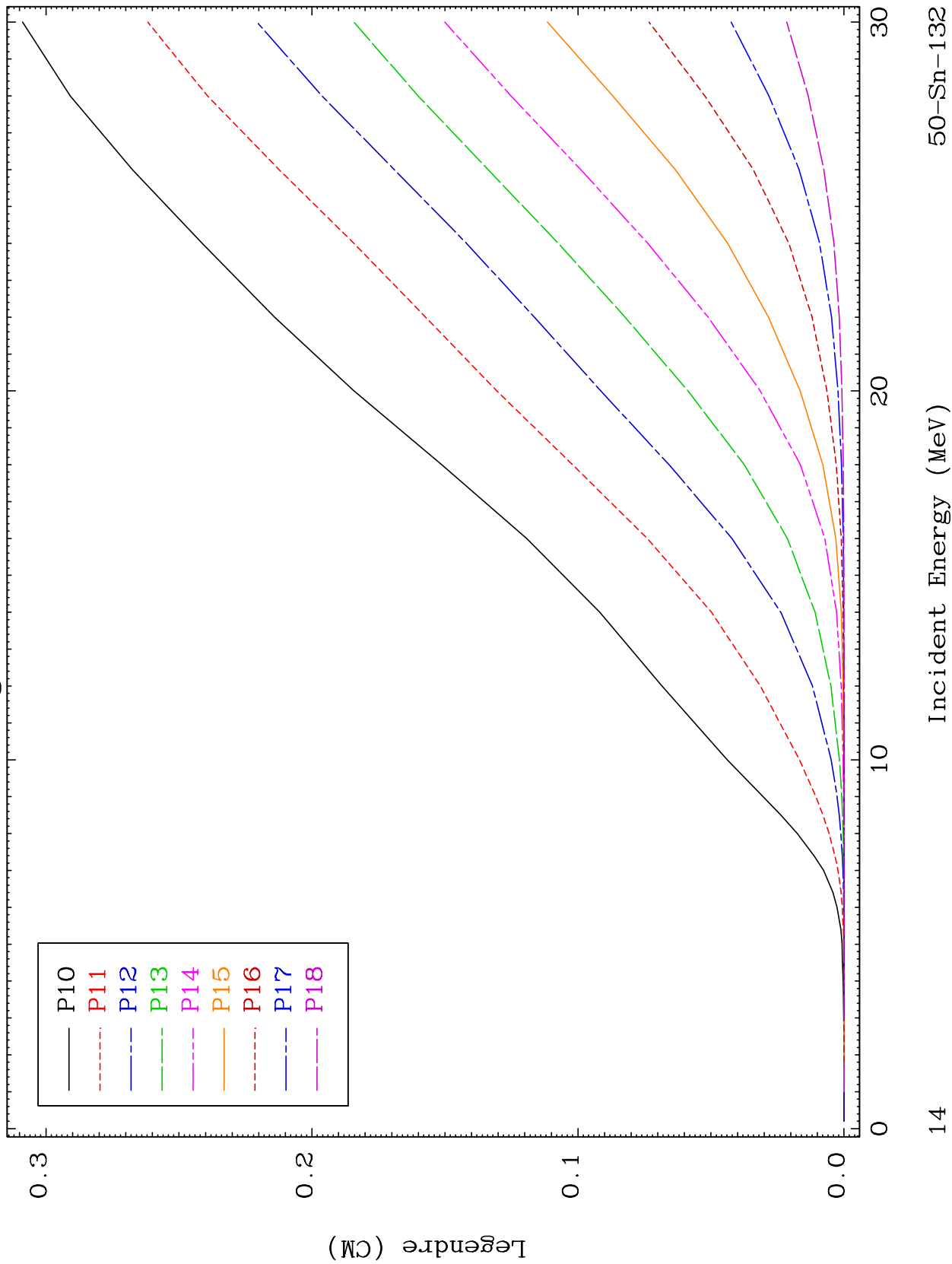
Incident Energy (MeV)

50-Sn-132

MAT 5085

Elastic Legendre Coefficients

50-Sn-132



14

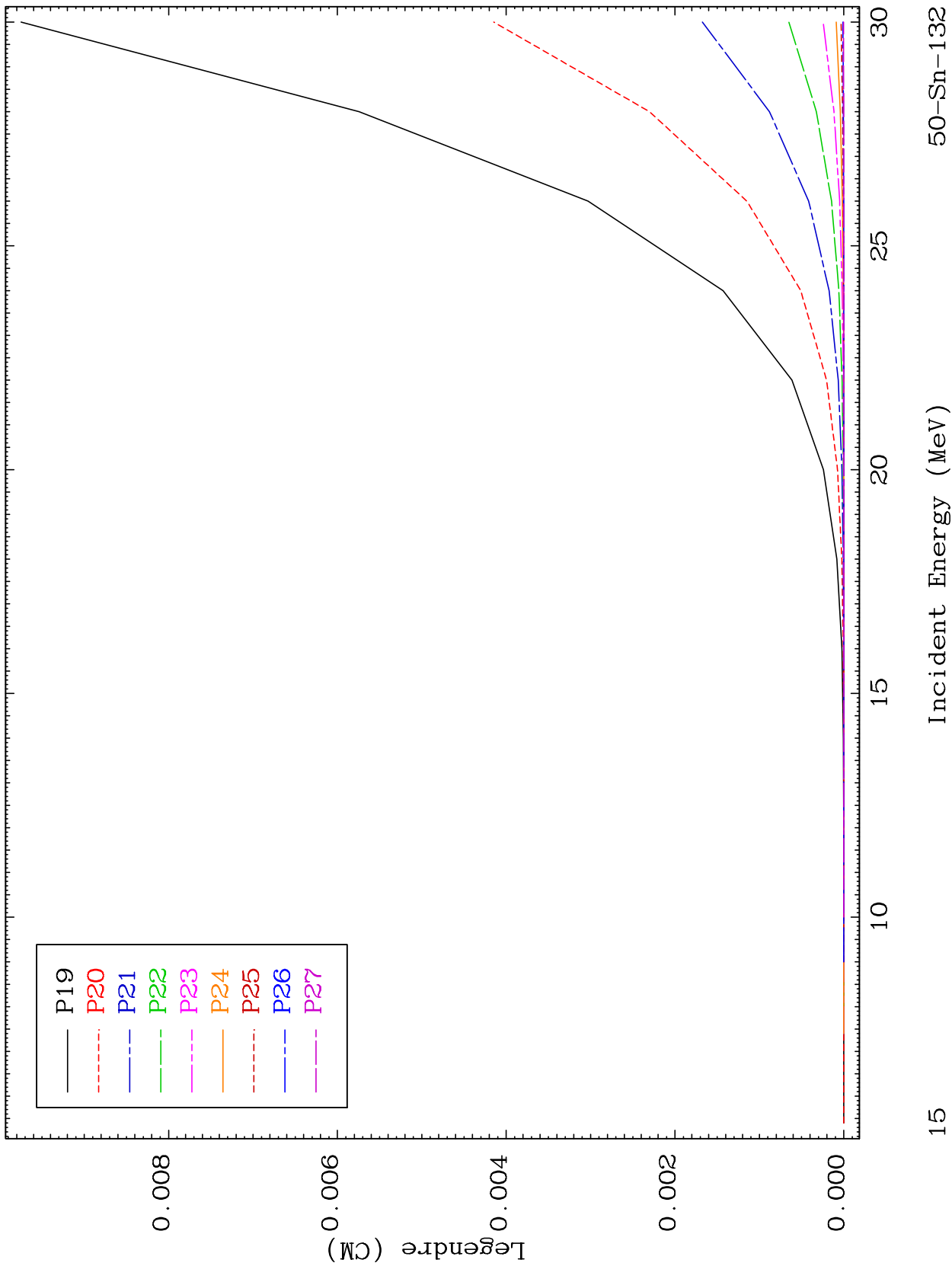
Incident Energy (MeV)

50-Sn-132

MAT 5085

### Elastic Legendre Coefficients

50-Sn-132



15

Incident Energy (MeV)

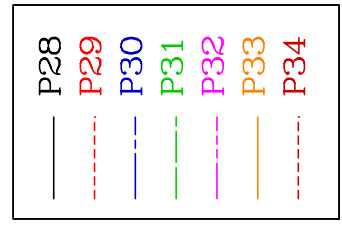
50-Sn-132



MAT 5085

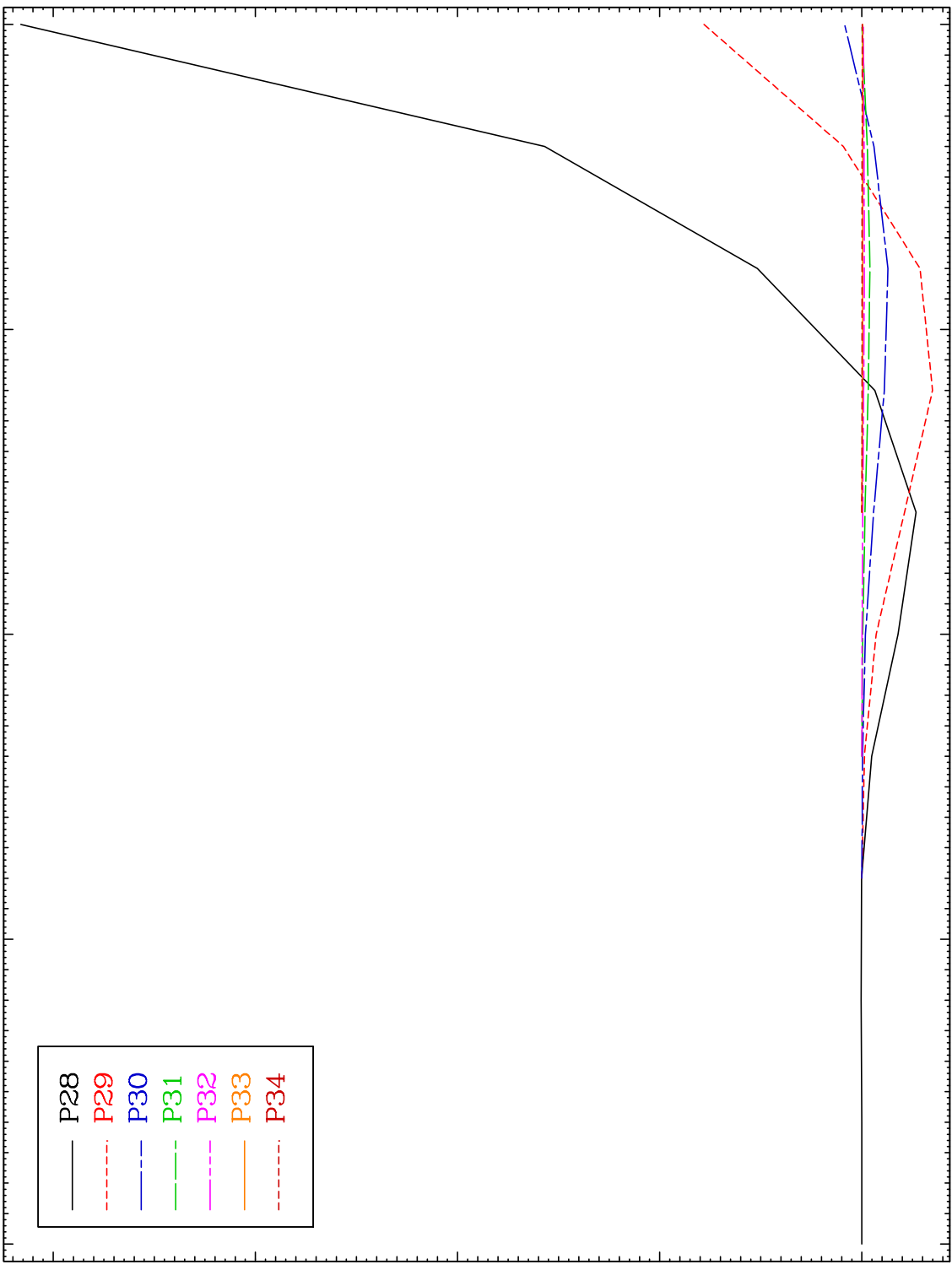
Elastic Legendre Coefficients

50-Sn-132



$\times 10^{-78}$

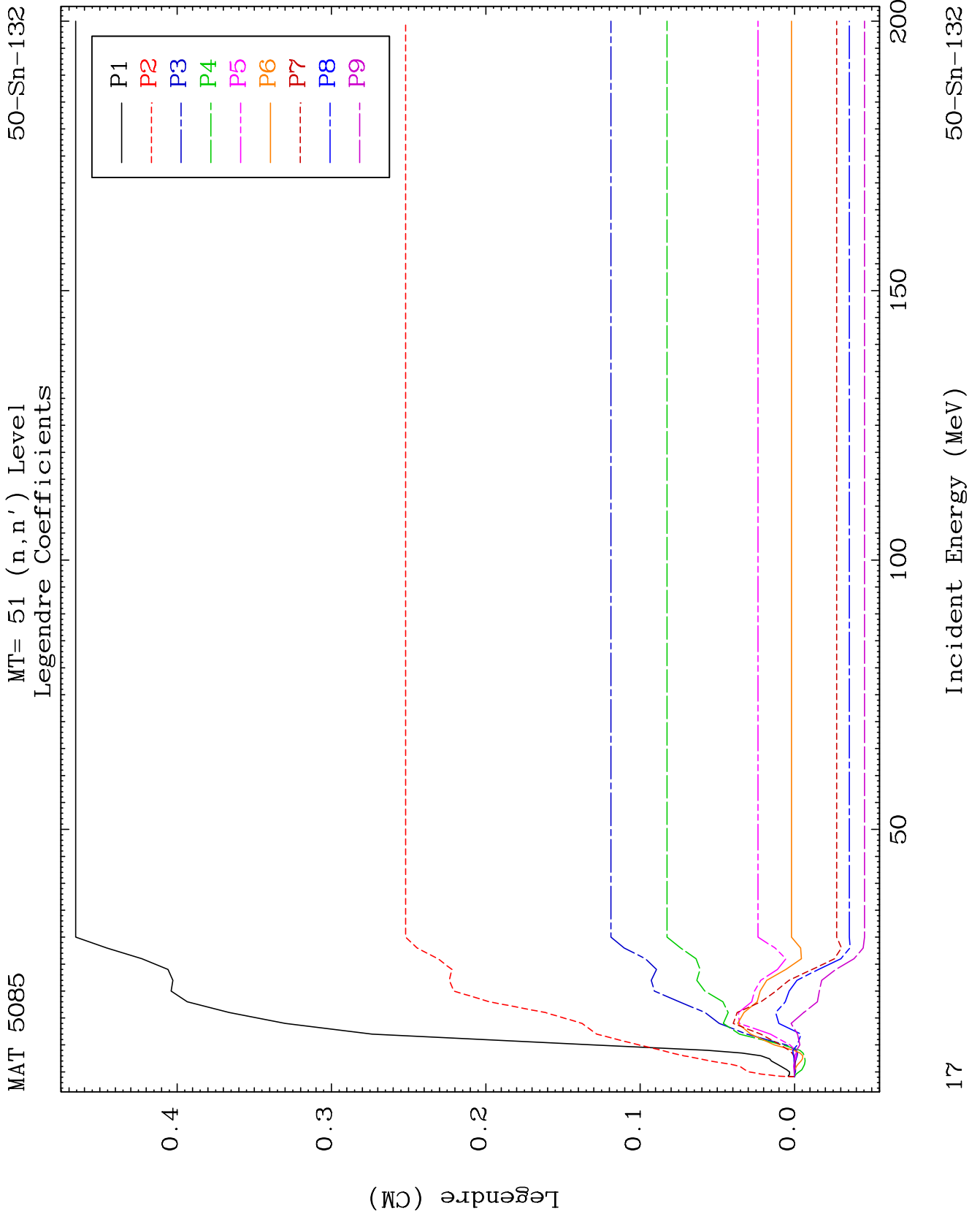
Legendre (CM)



Incident Energy (MeV)

50-Sn-132

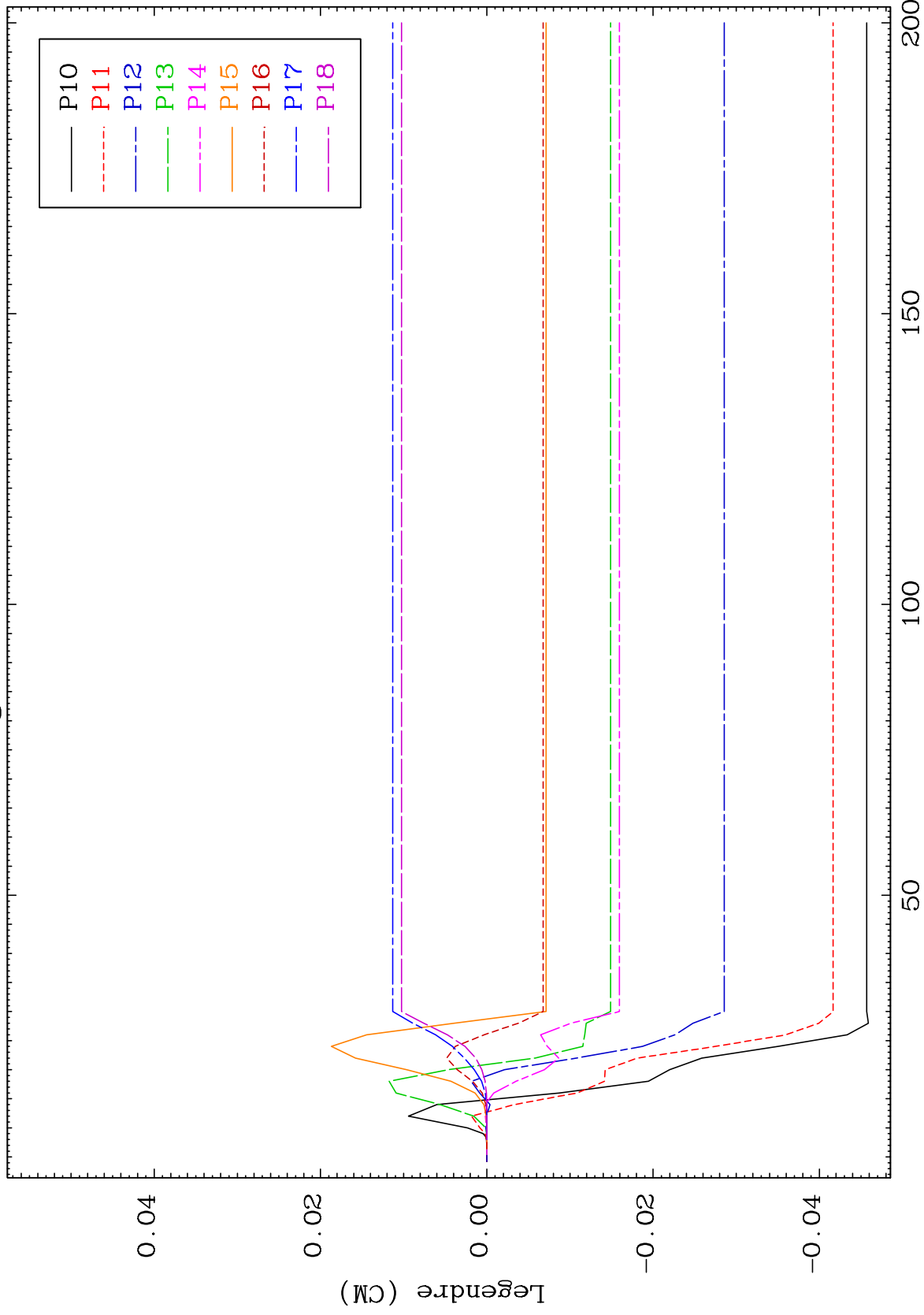
16



MAT 5085

MT= 51 (n,n') Level  
Legendre Coefficients

50-Sn-132

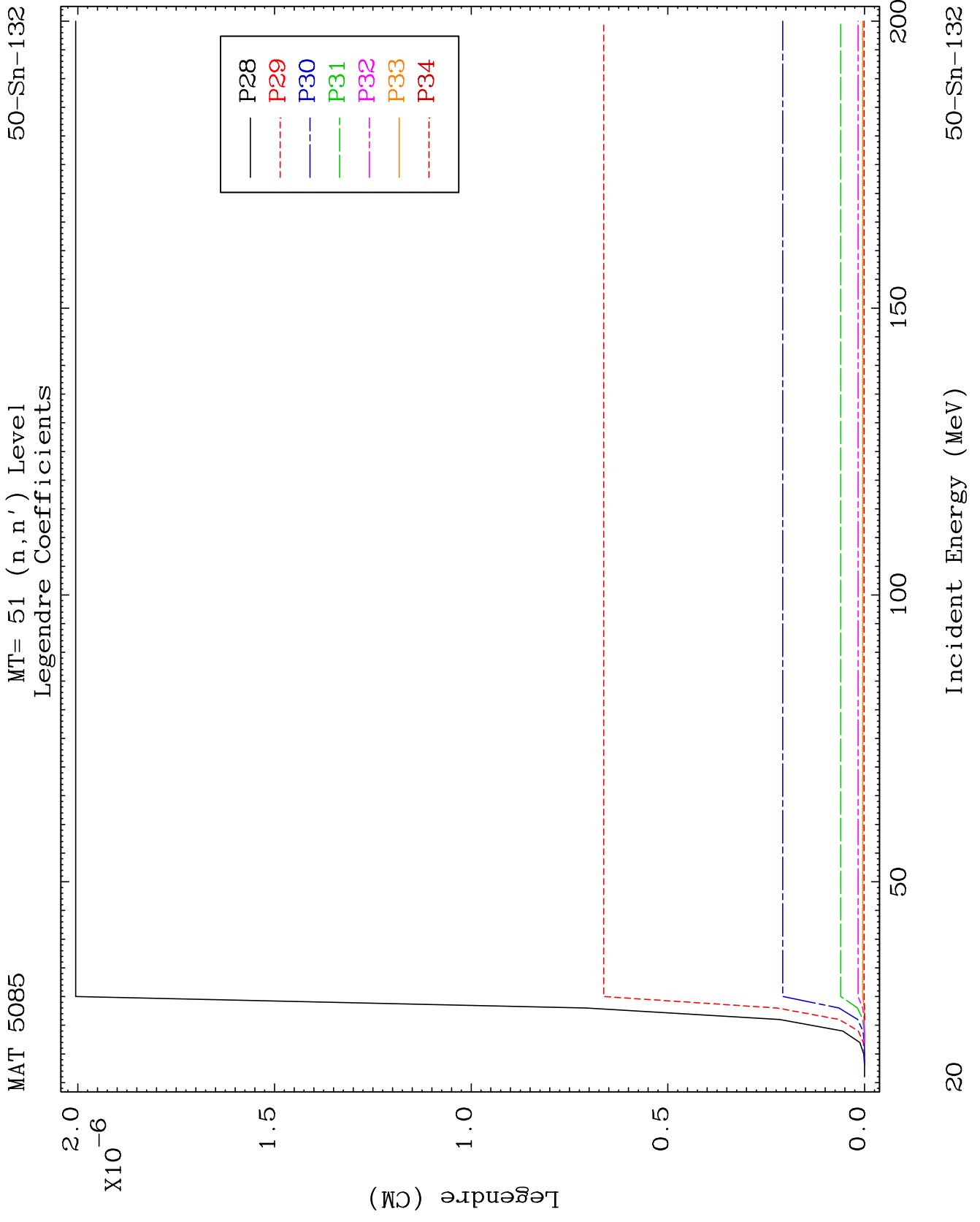


18

Incident Energy (MeV)

50-Sn-132

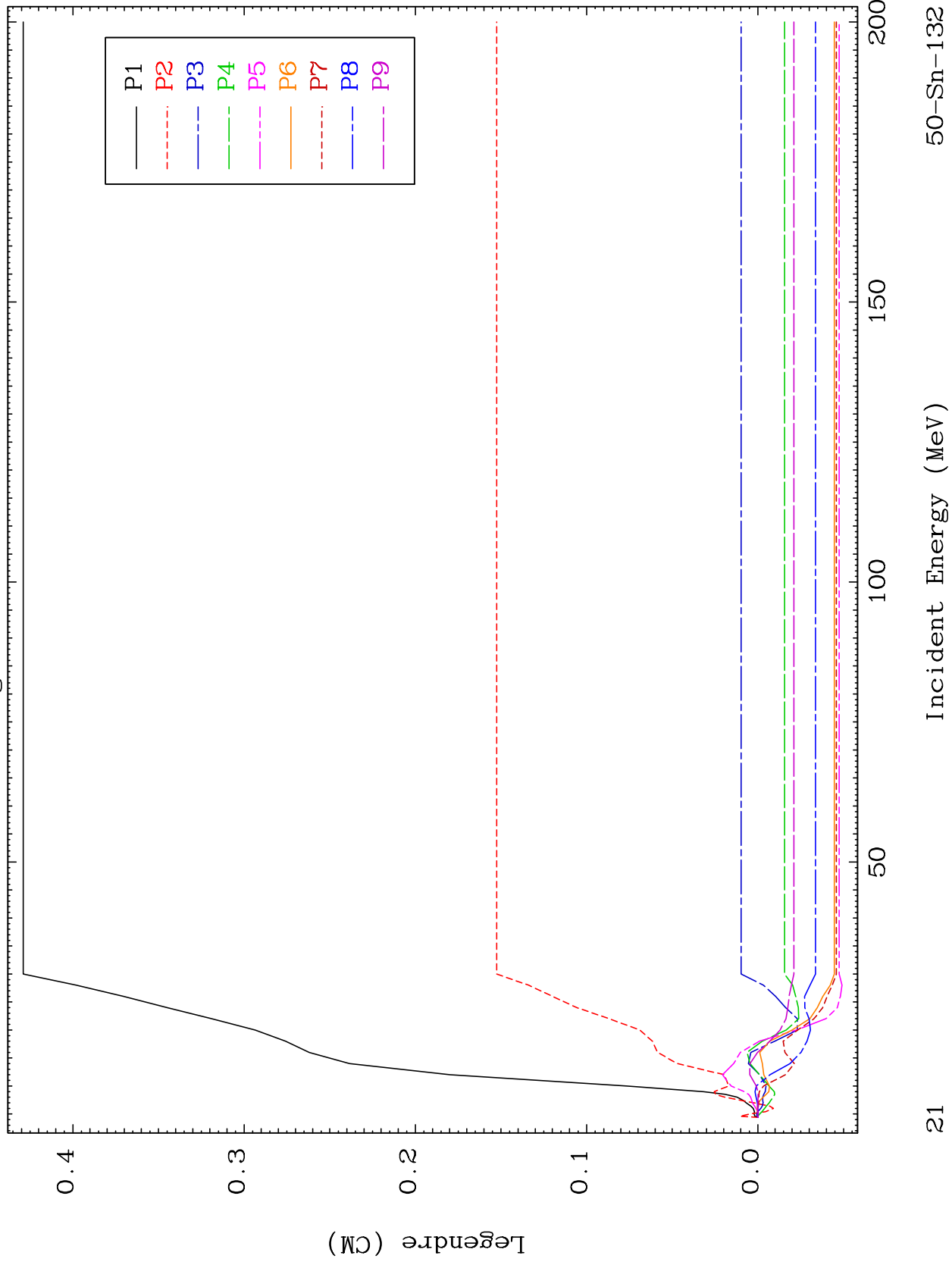


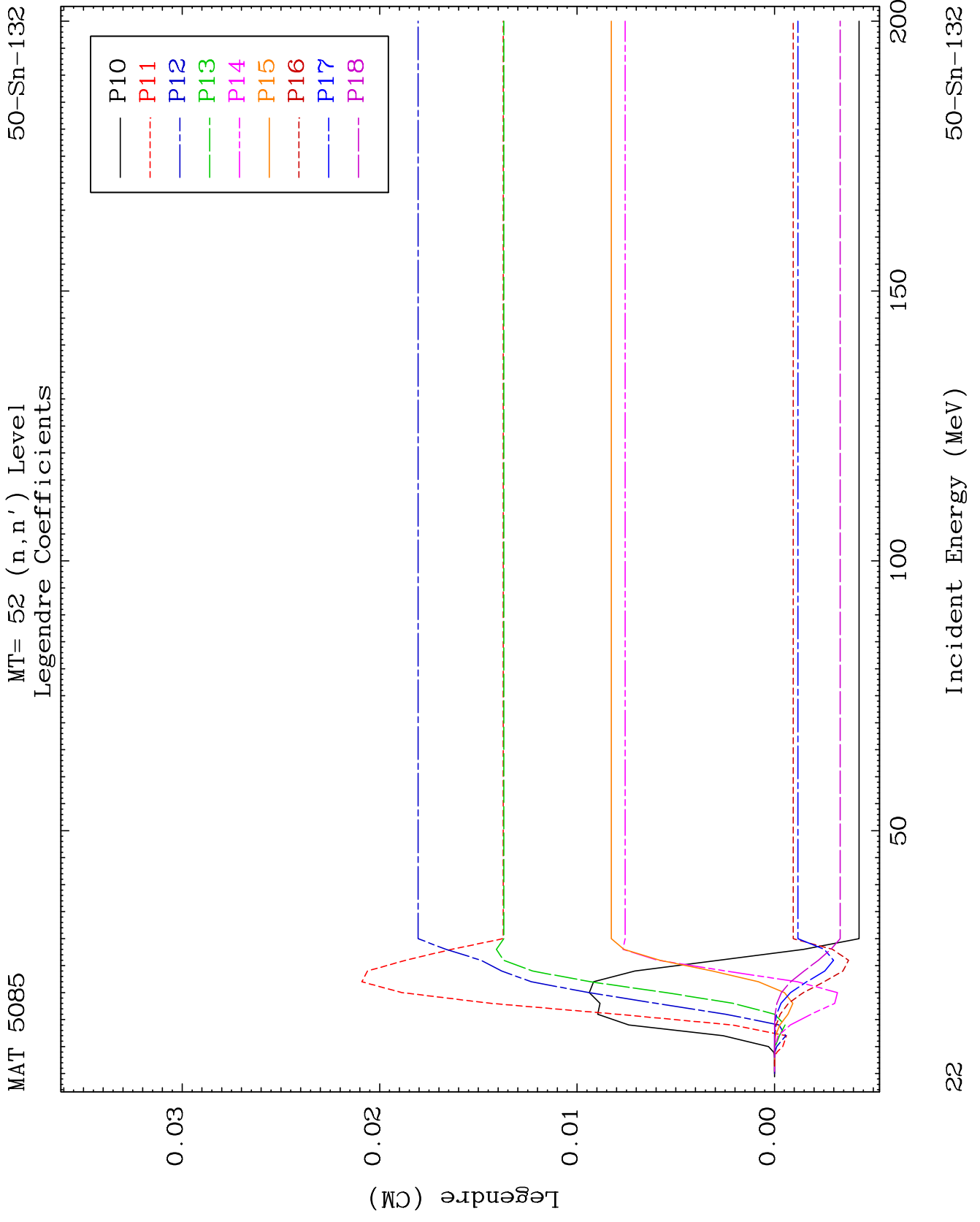


MAT 5085

MT= 52 (n,n') Level  
Legendre Coefficients

50-Sn-132

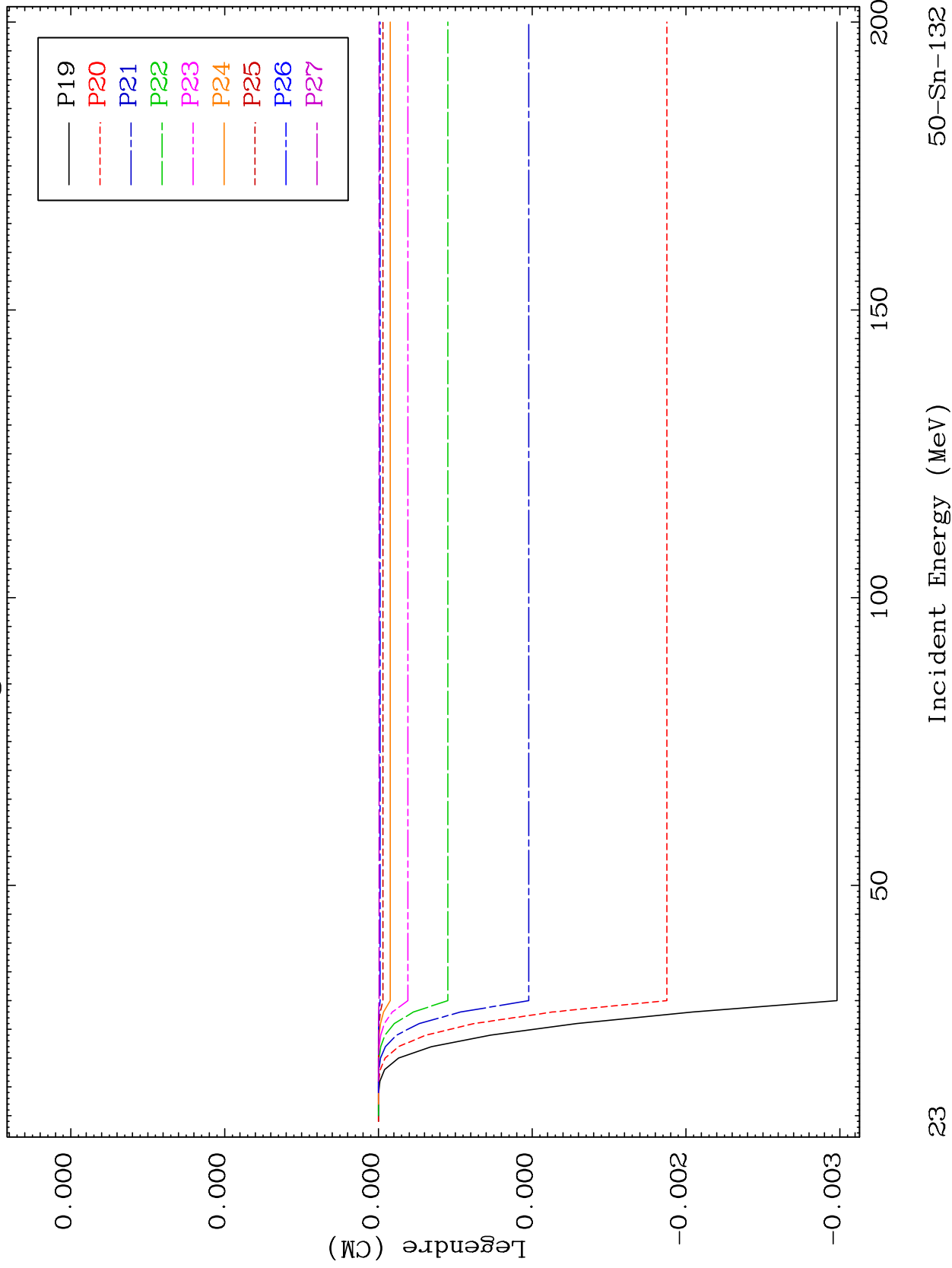




MAT 5085

MT= 52 (n,n') Level  
Legendre Coefficients

50-Sn-132

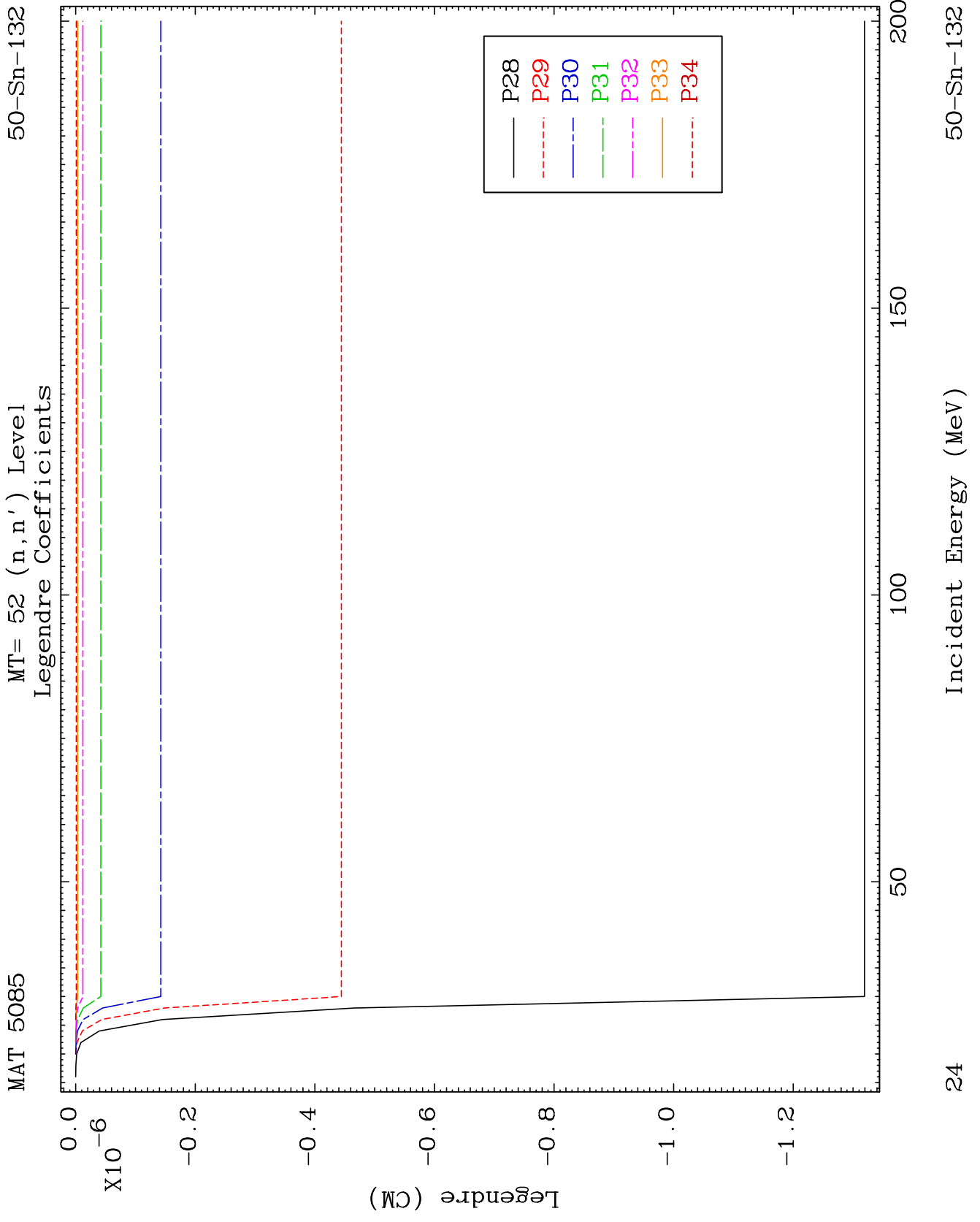


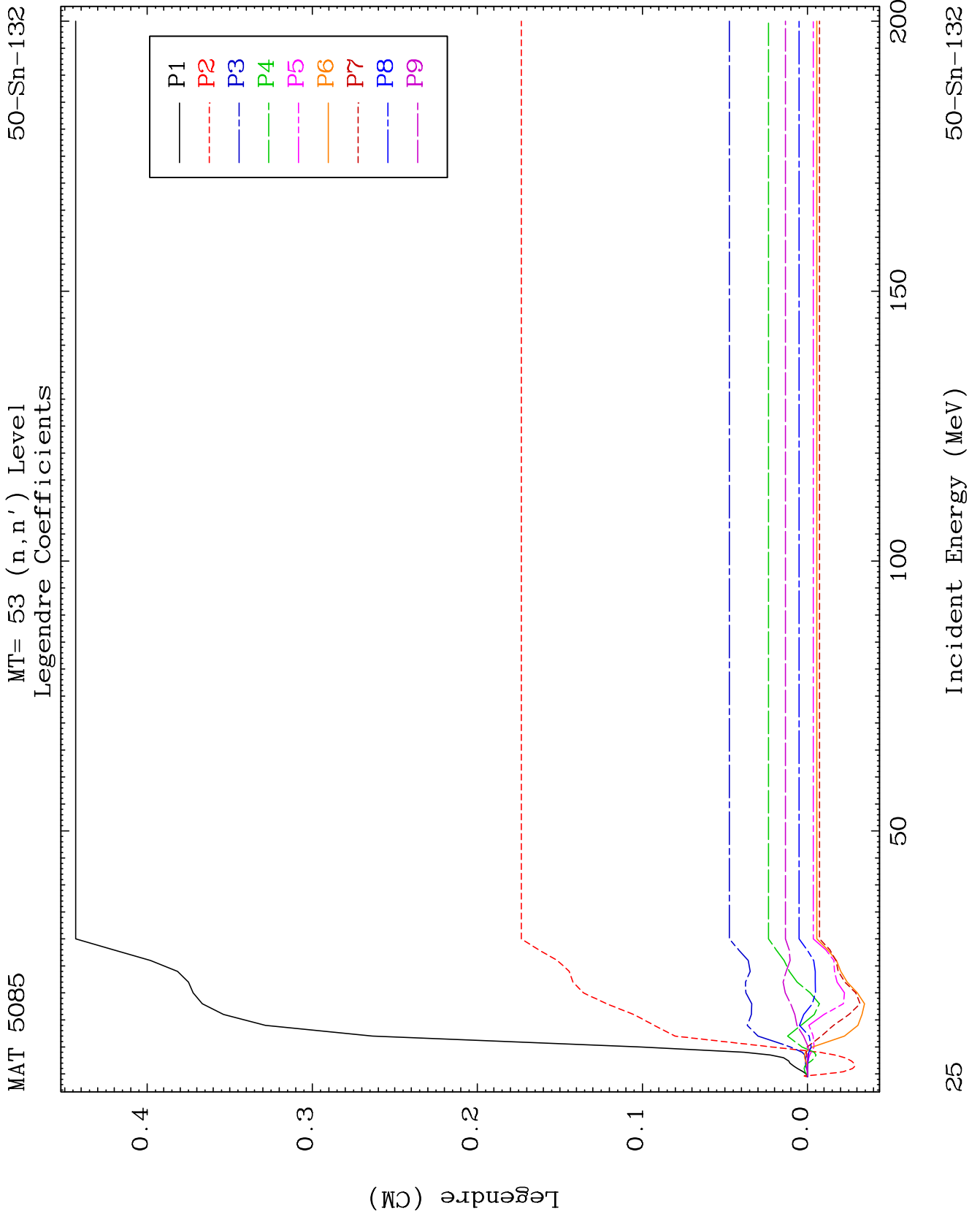
23

Incident Energy (MeV)

50-Sn-132



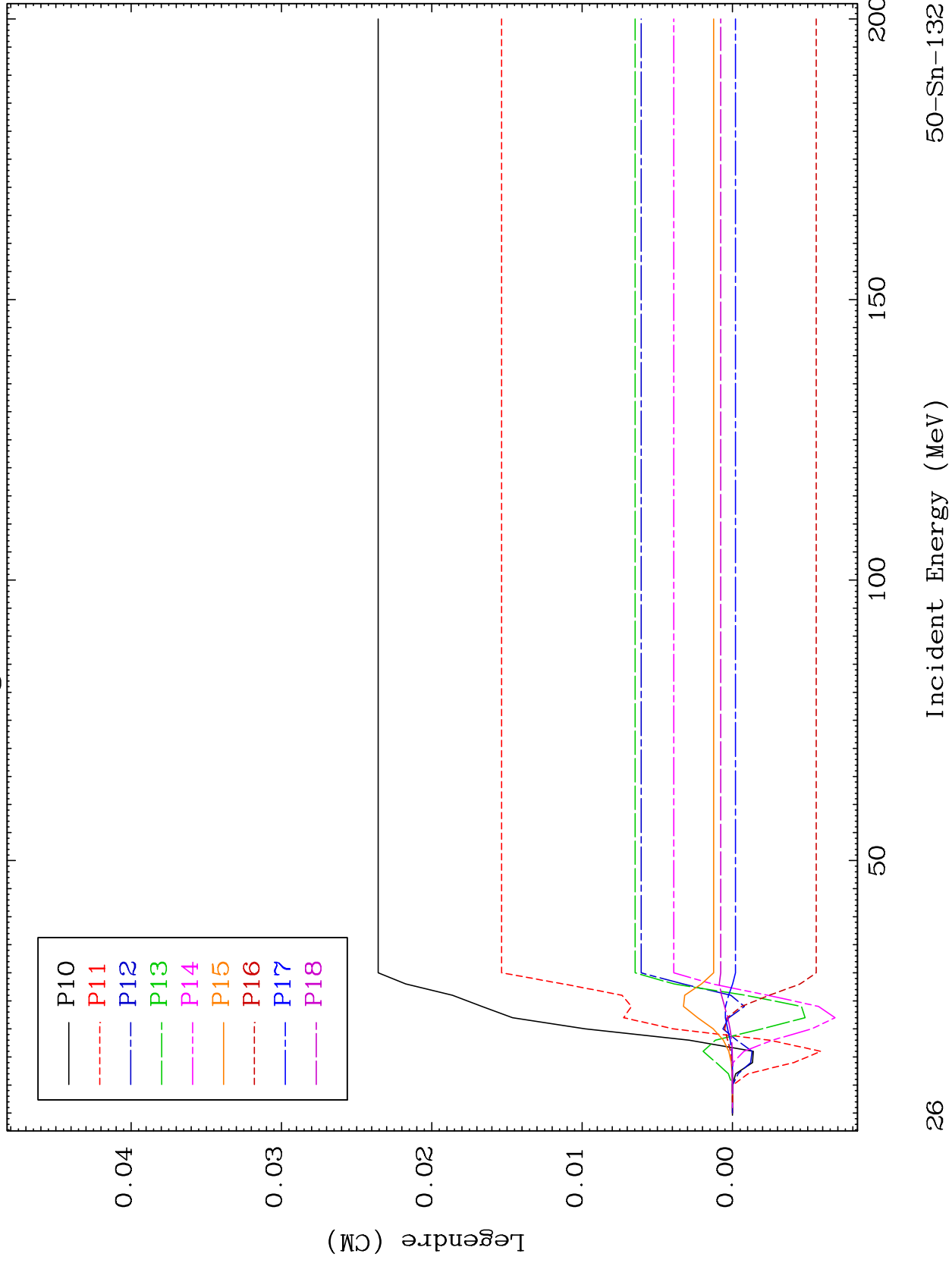




MAT 5085

MT= 53 (n,n') Level  
Legendre Coefficients

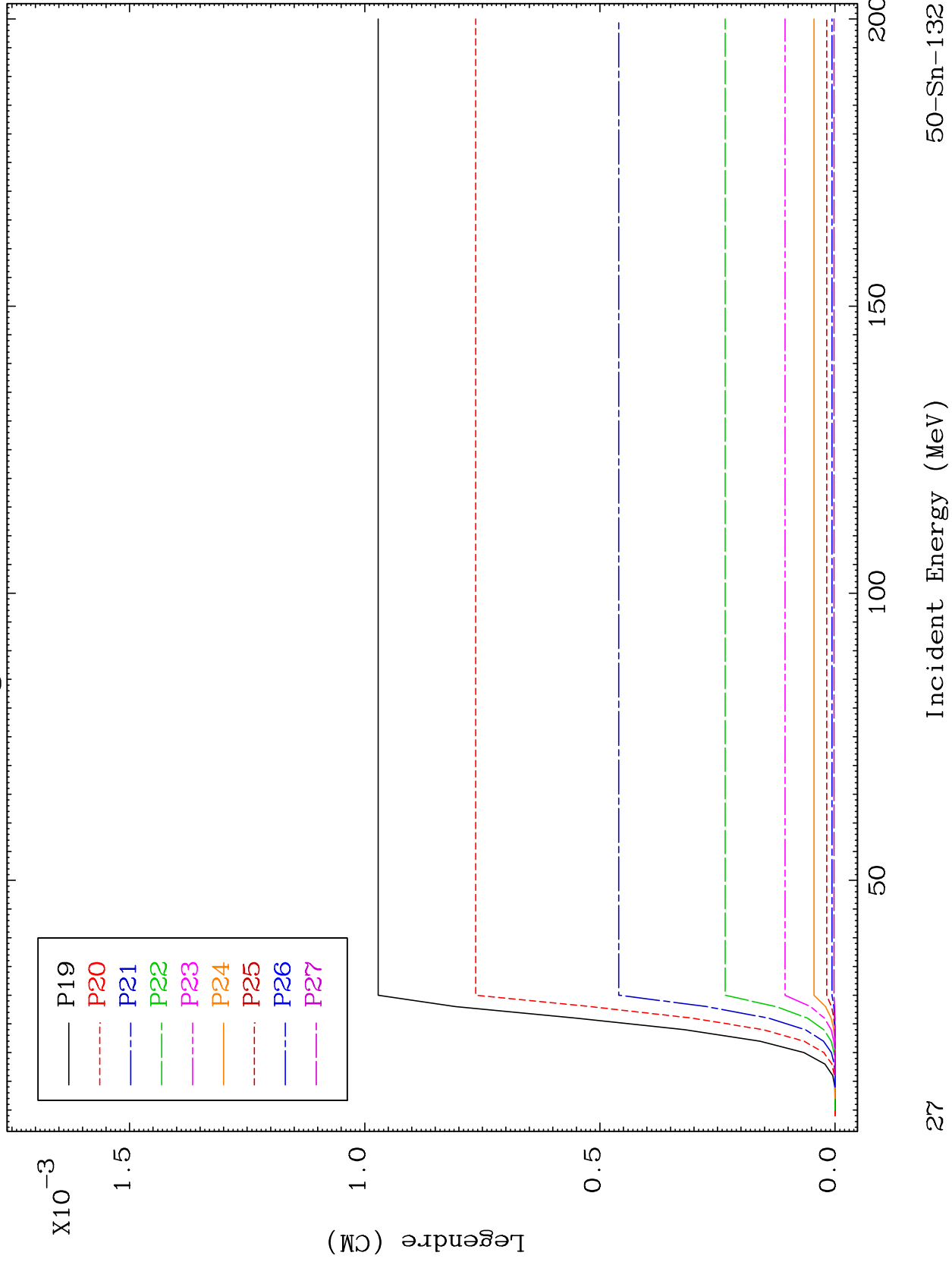
50-Sn-132



MAT 5085

MT= 53 (n,n') Level  
Legendre Coefficients

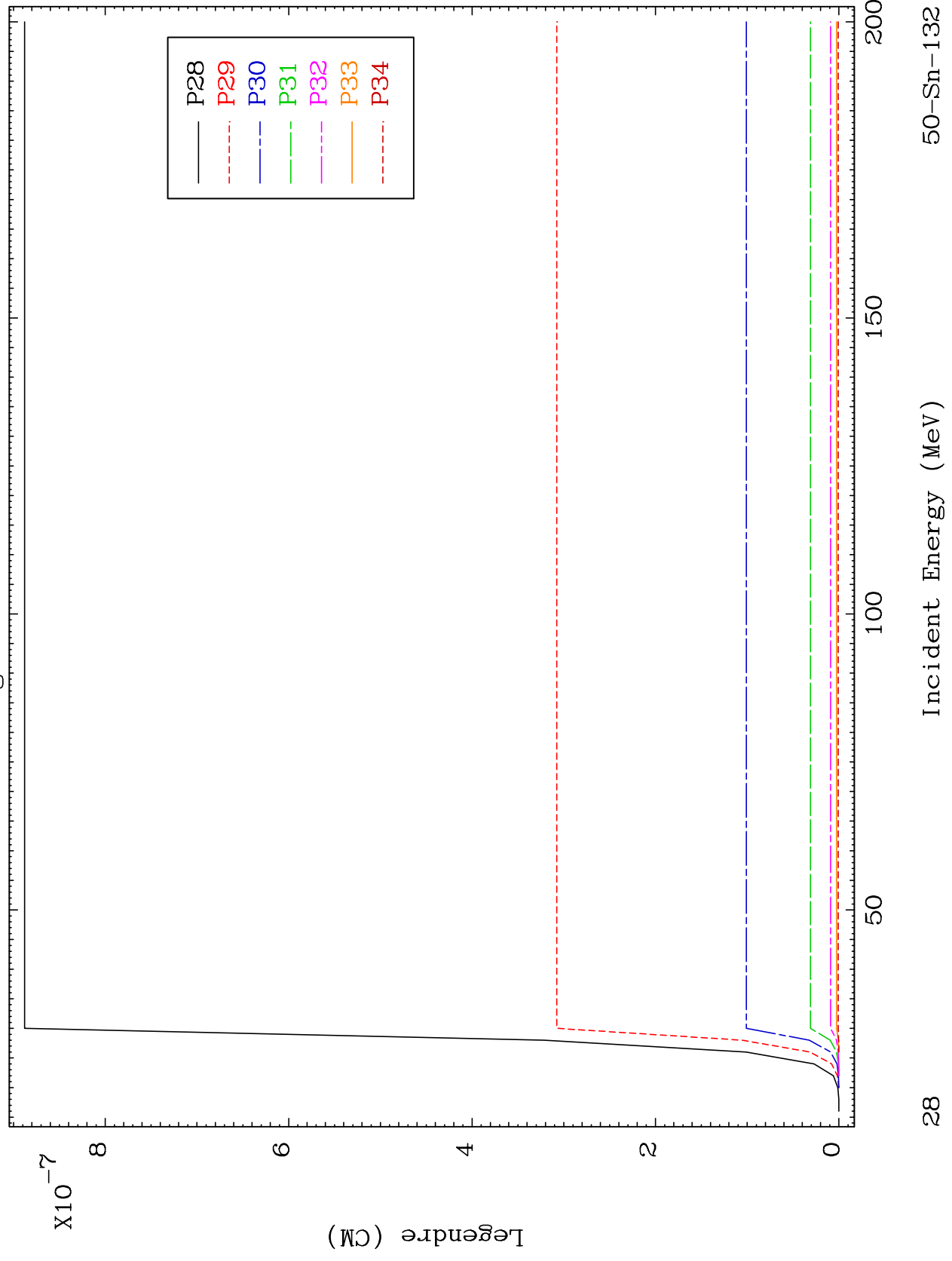
50-Sn-132



MAT 5085

MT= 53 (n,n') Level  
Legendre Coefficients

50-Sn-132



28

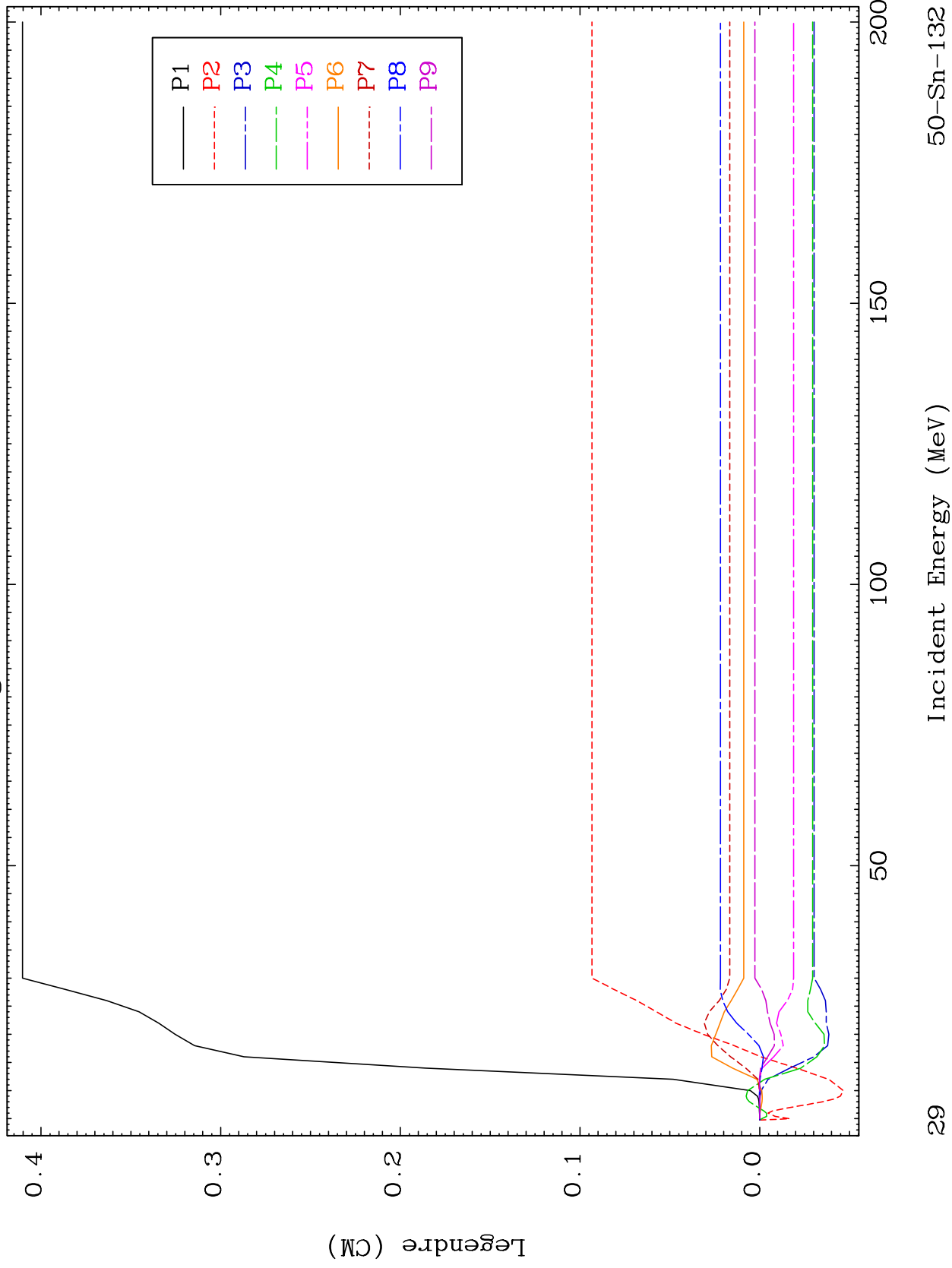
Incident Energy (MeV)

50-Sn-132

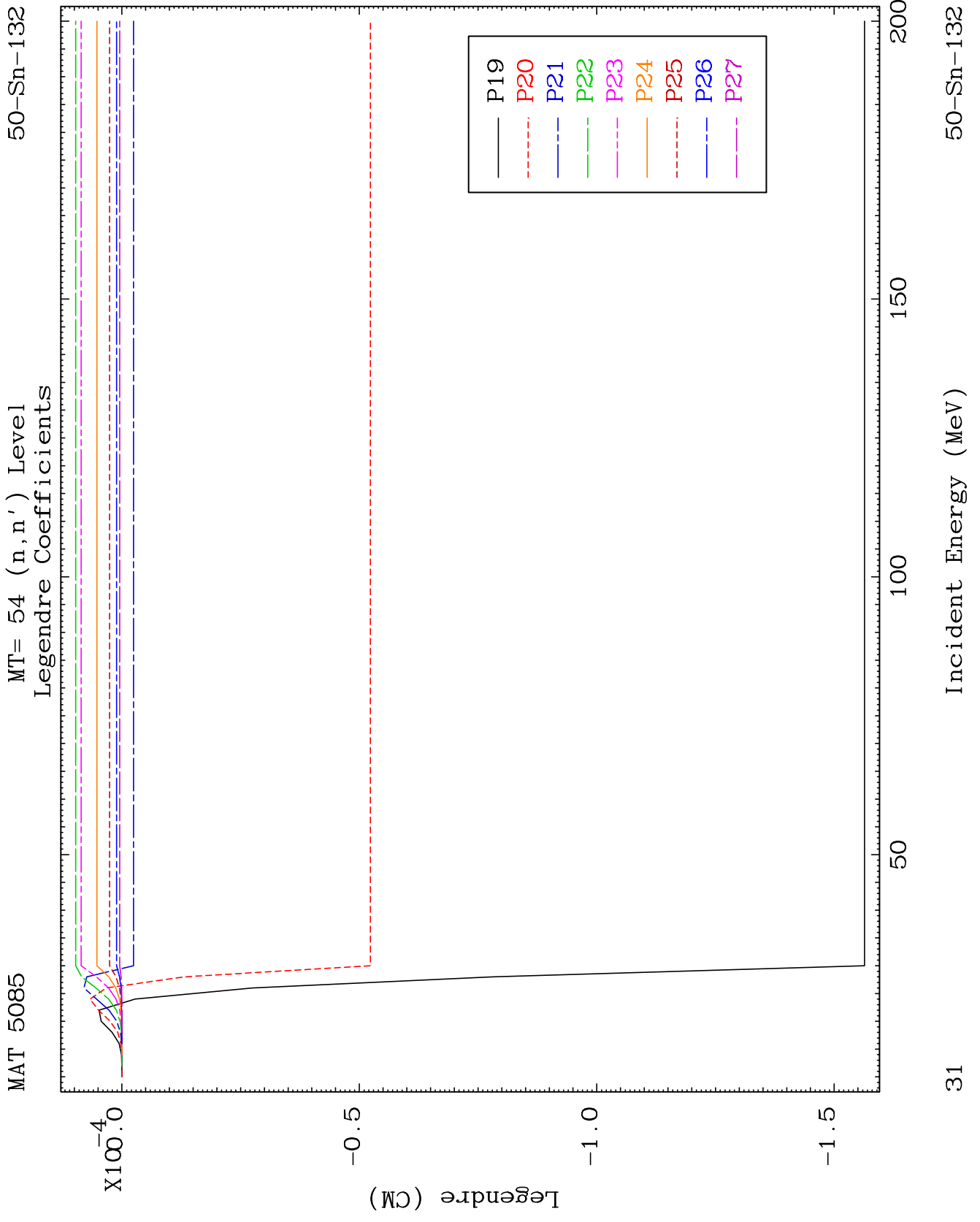
MAT 5085

MT= 54 (n,n') Level  
Legendre Coefficients

50-Sn-132





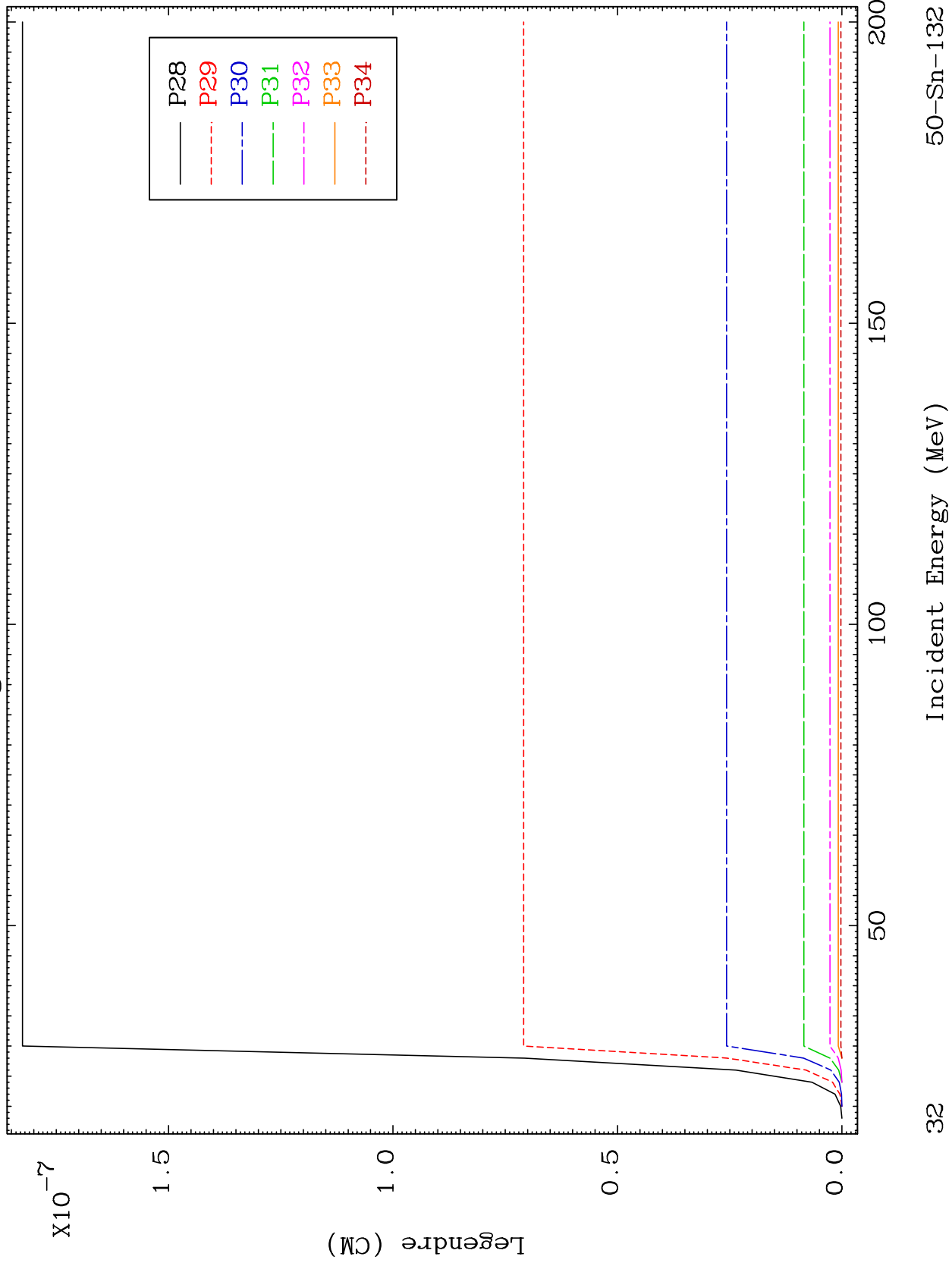




MAT 5085

MT= 54 (n,n') Level  
Legendre Coefficients

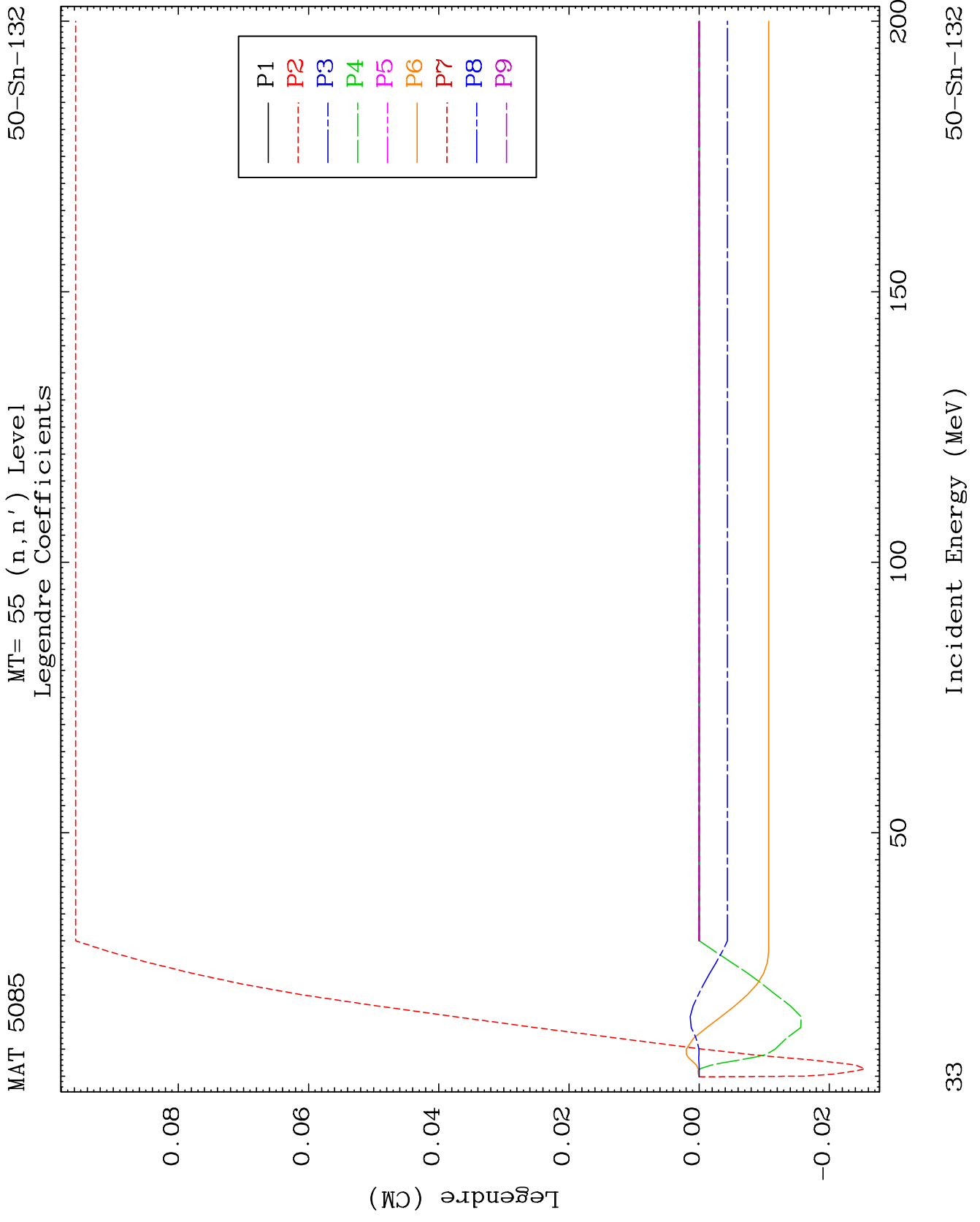
50-Sn-132

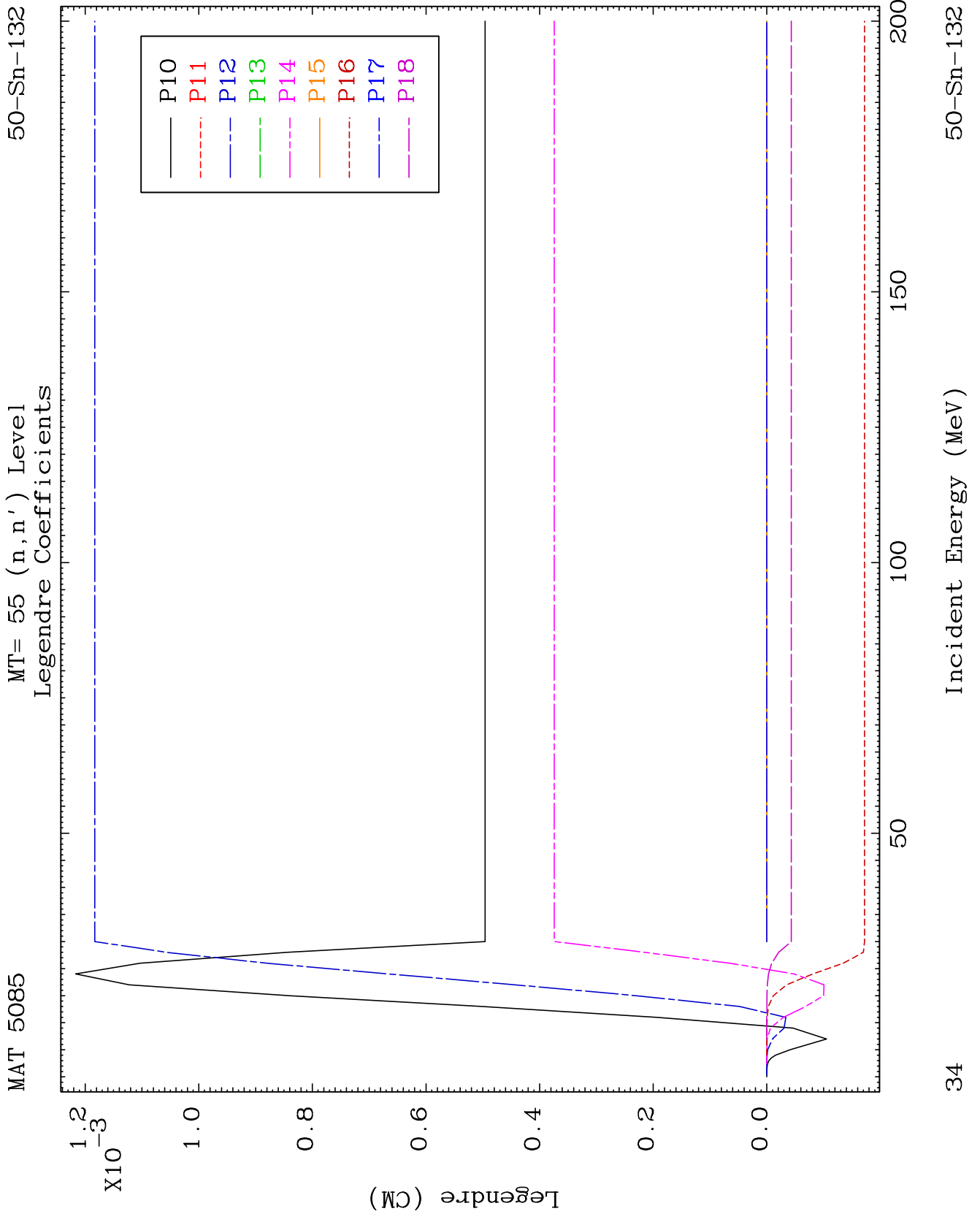


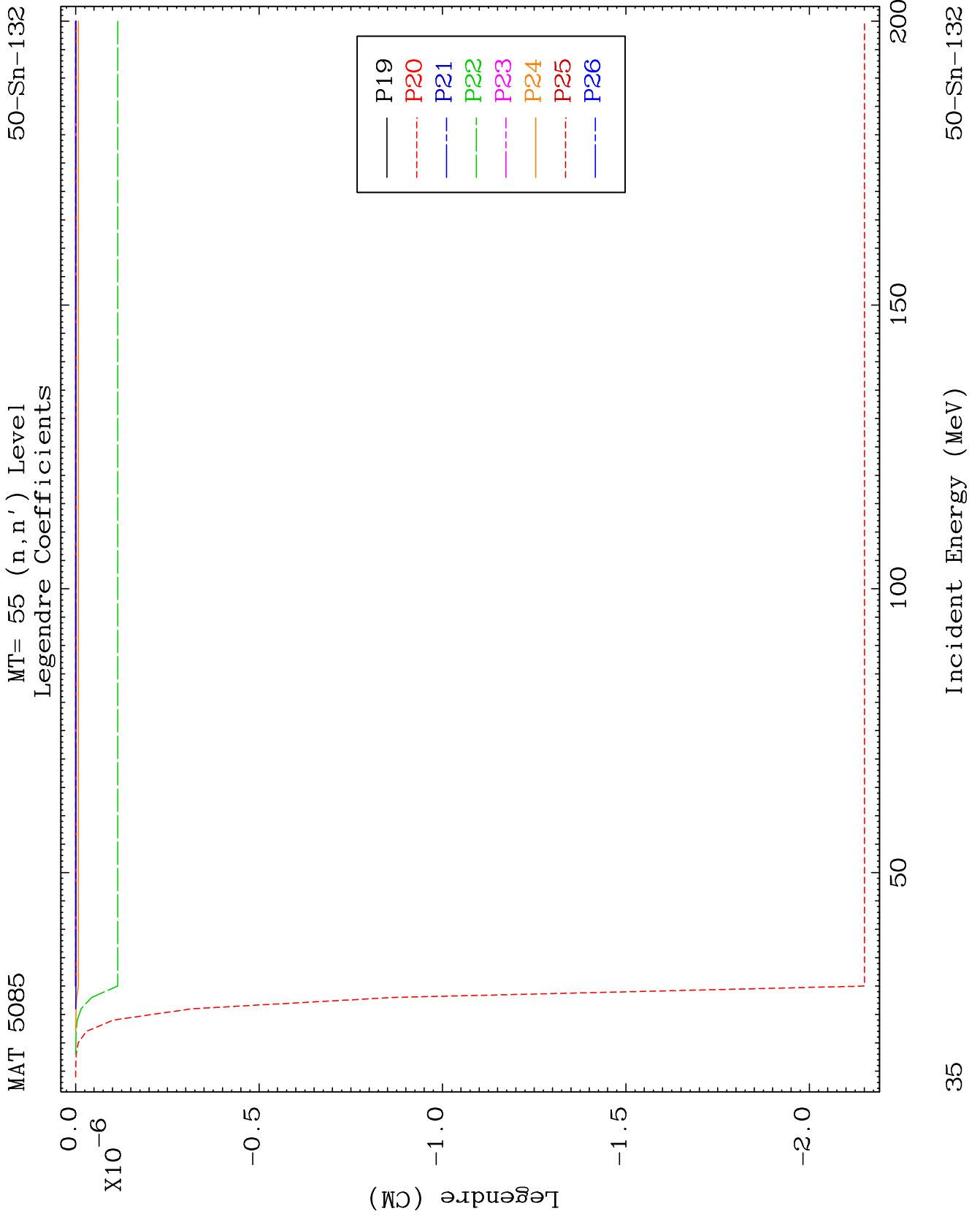
32

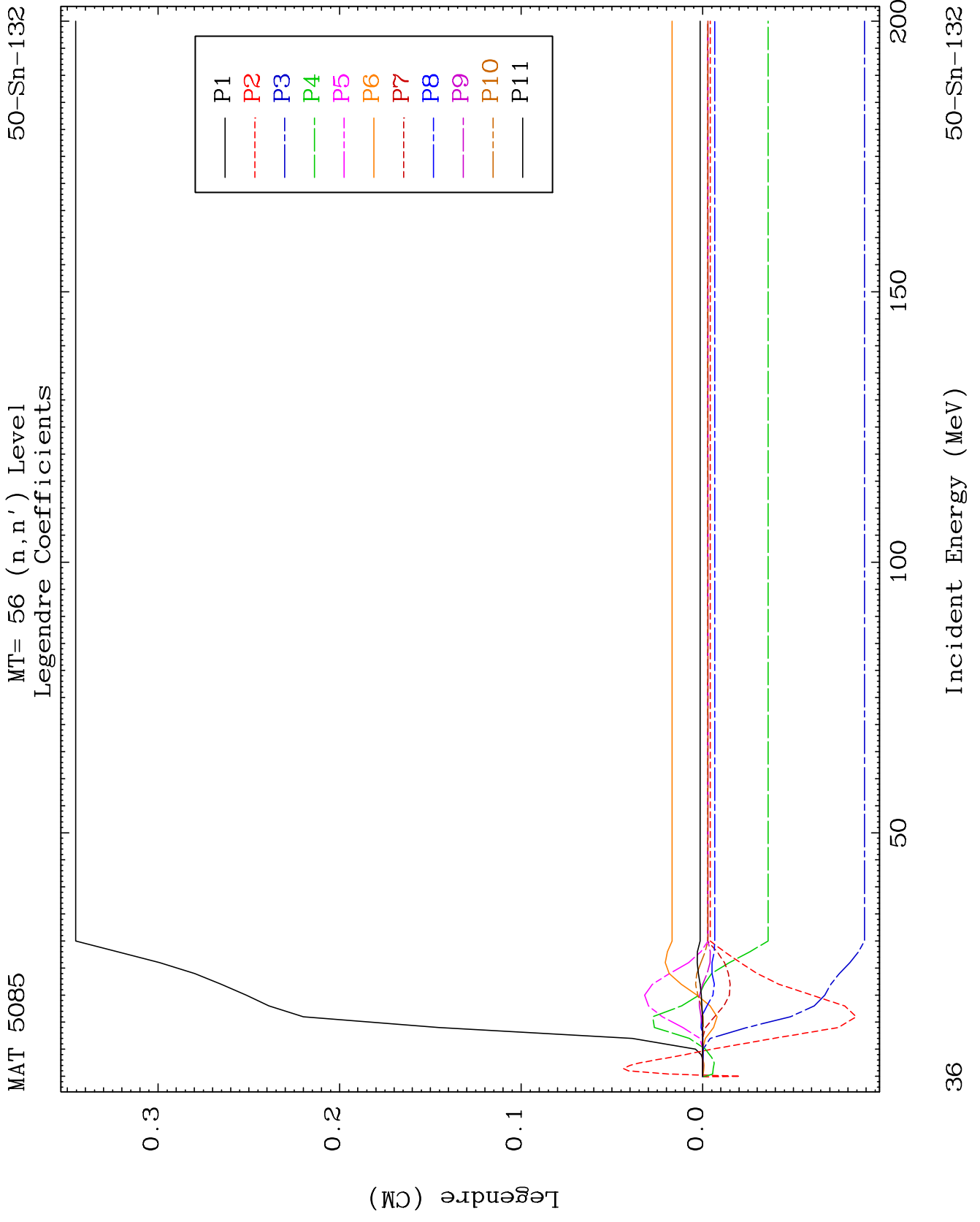
Incident Energy (MeV)

50-Sn-132





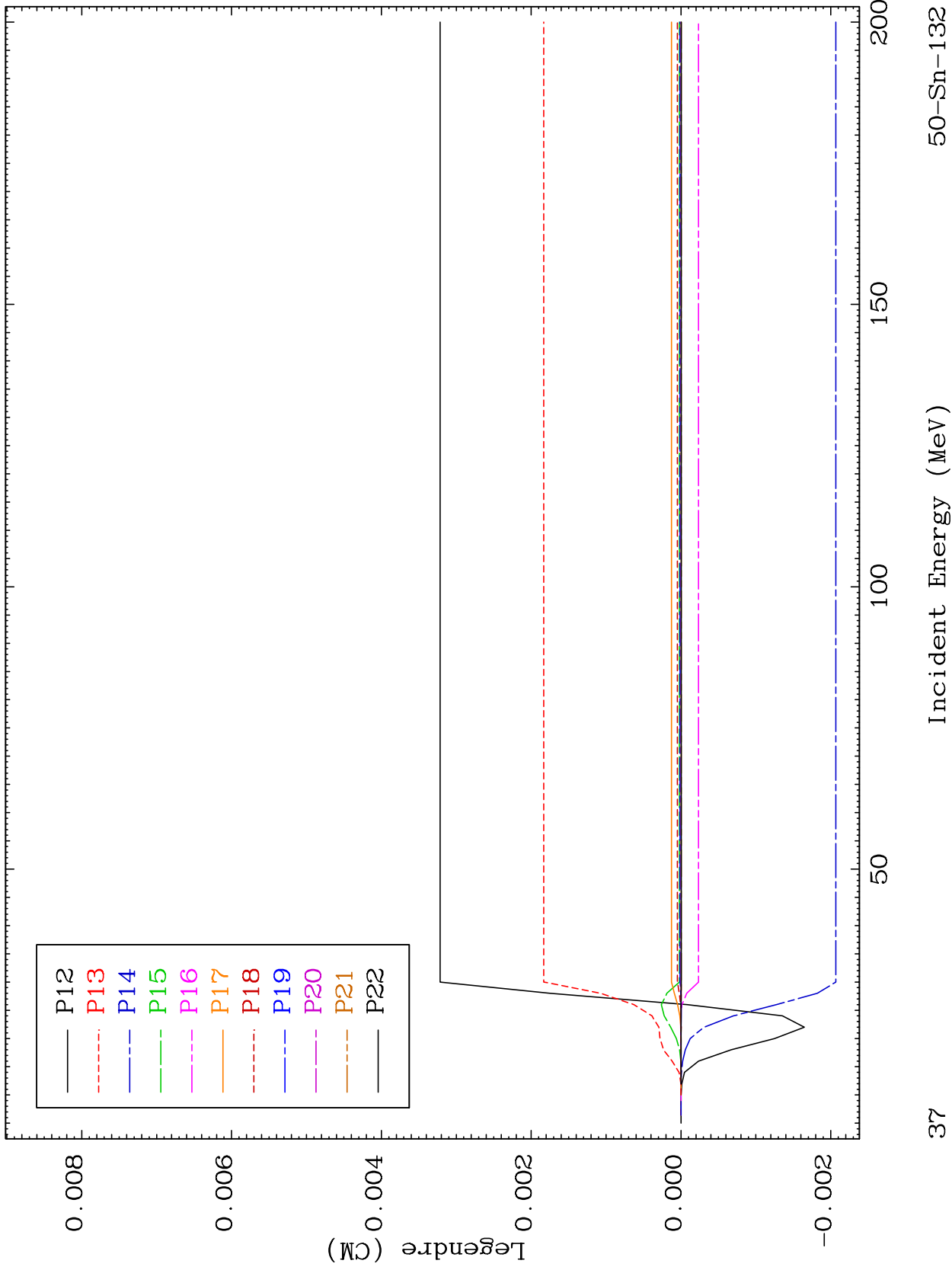


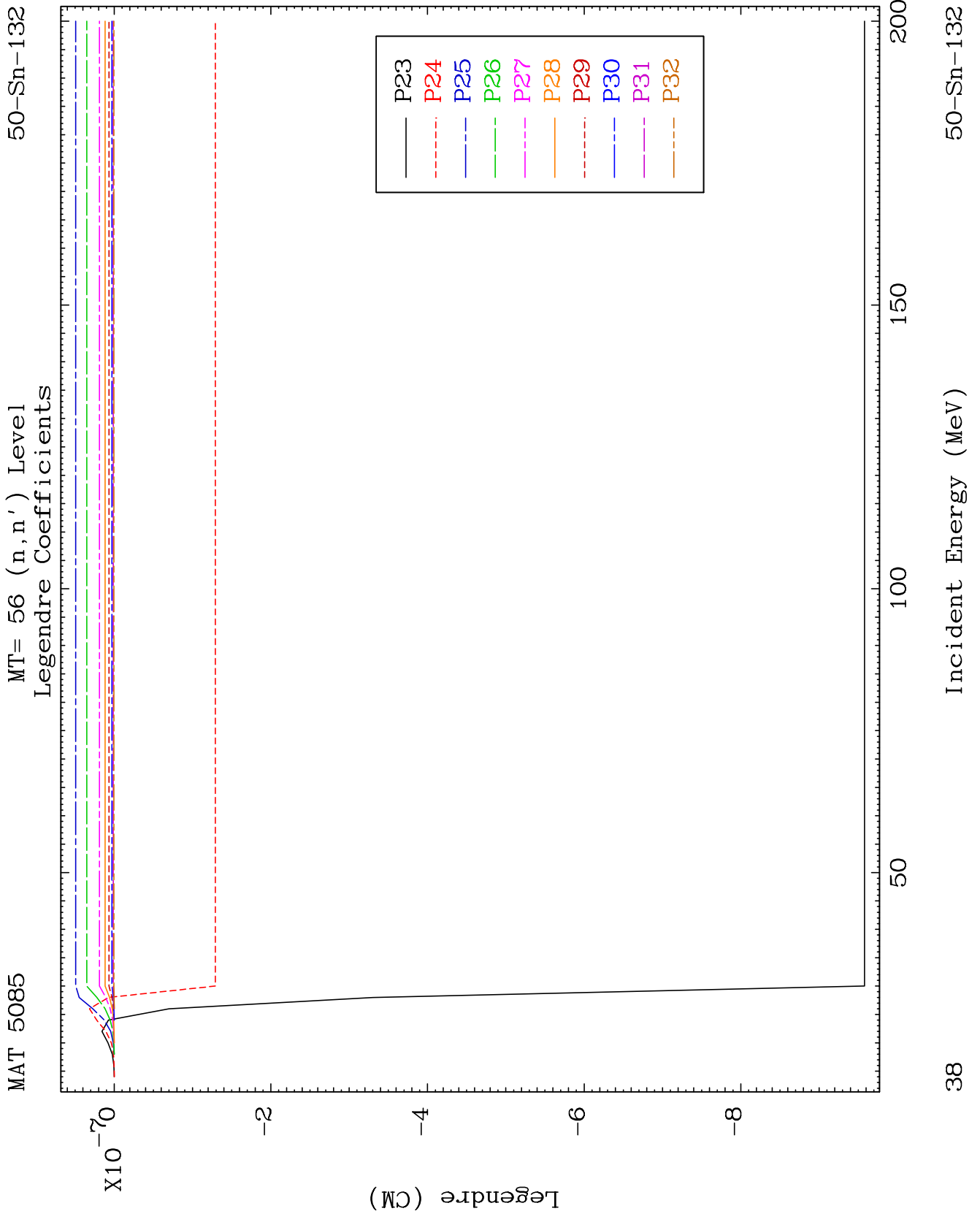


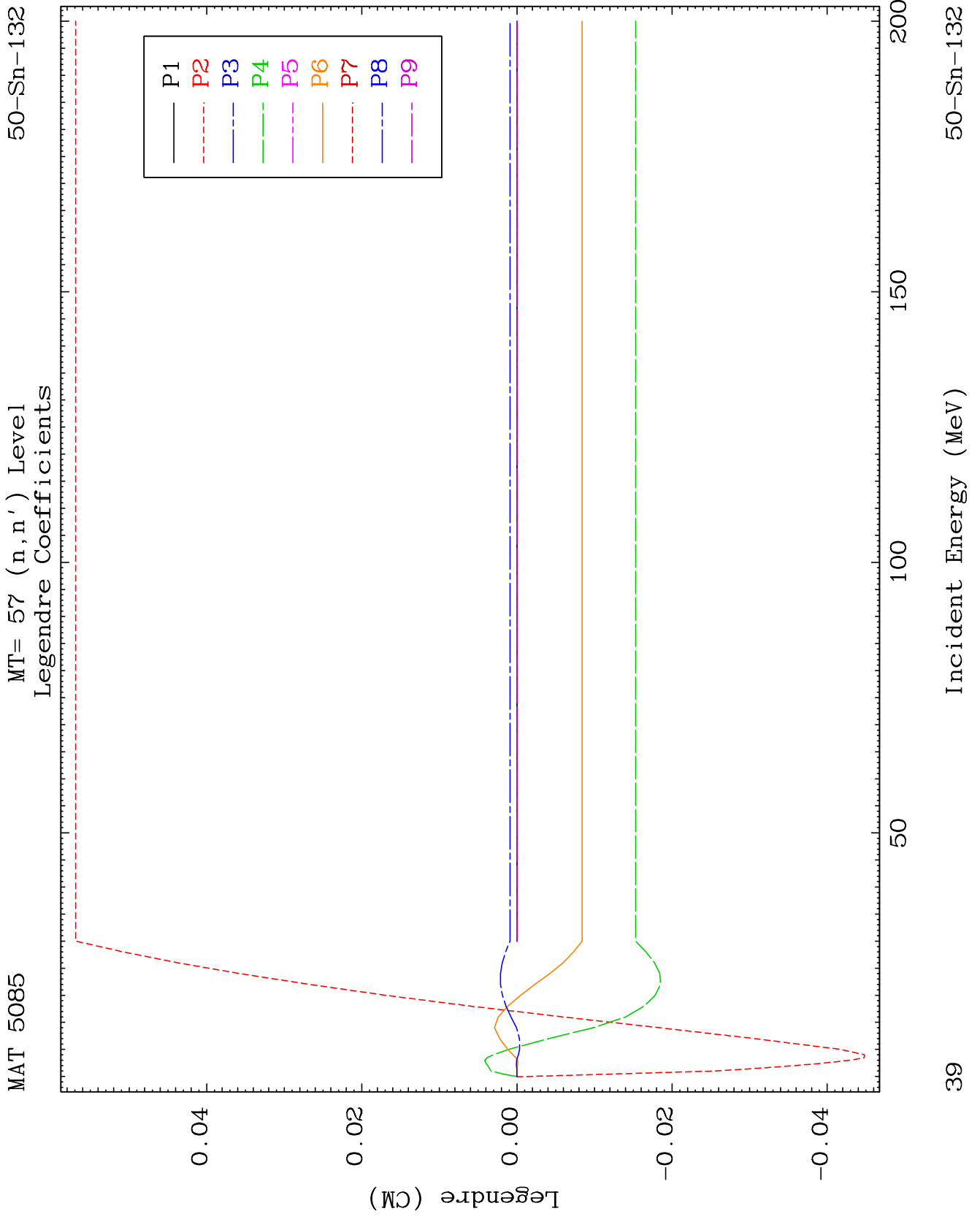
MAT 5085

MT= 56 (n,n') Level  
Legendre Coefficients

50-Sn-132





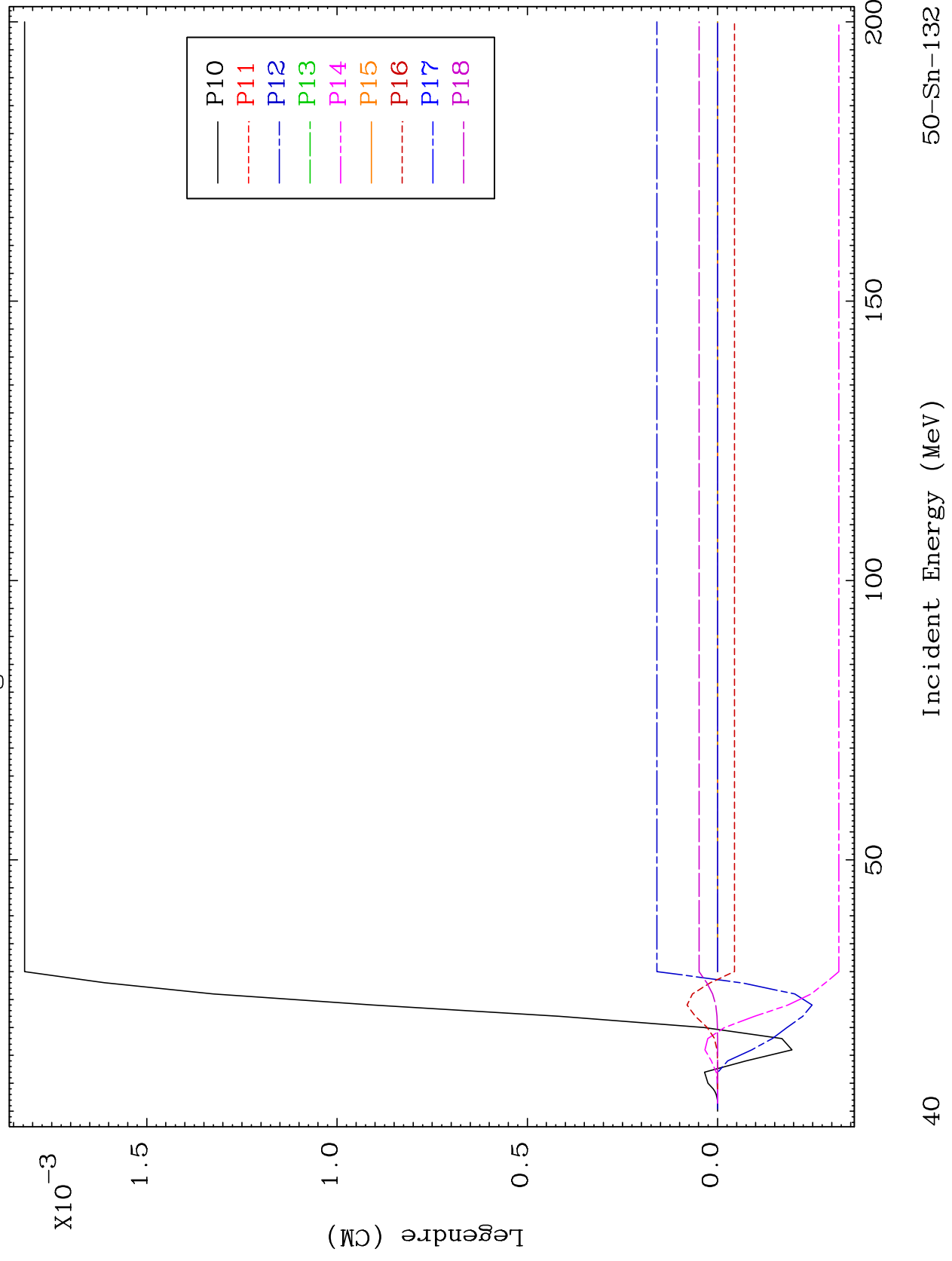


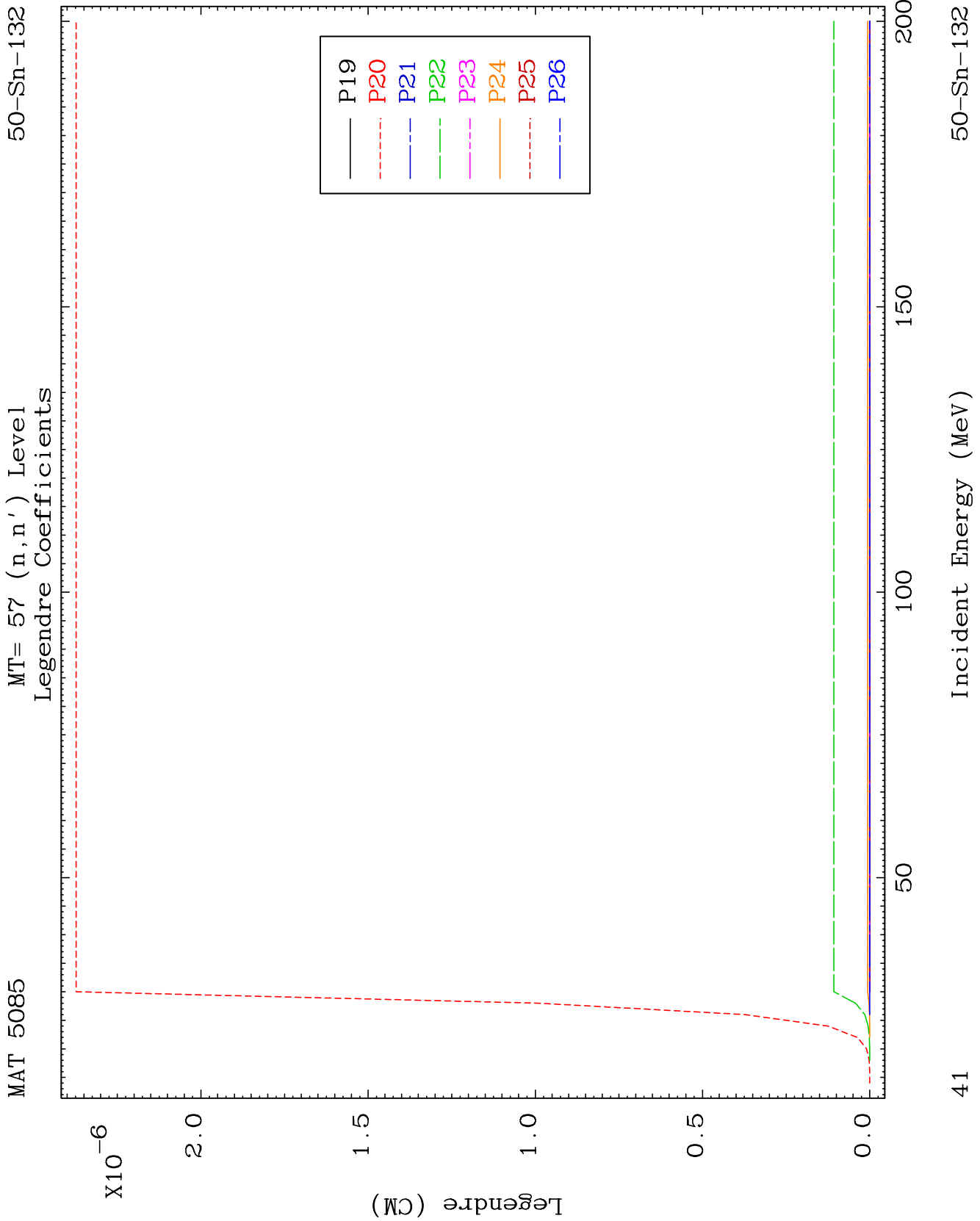


MAT 5085

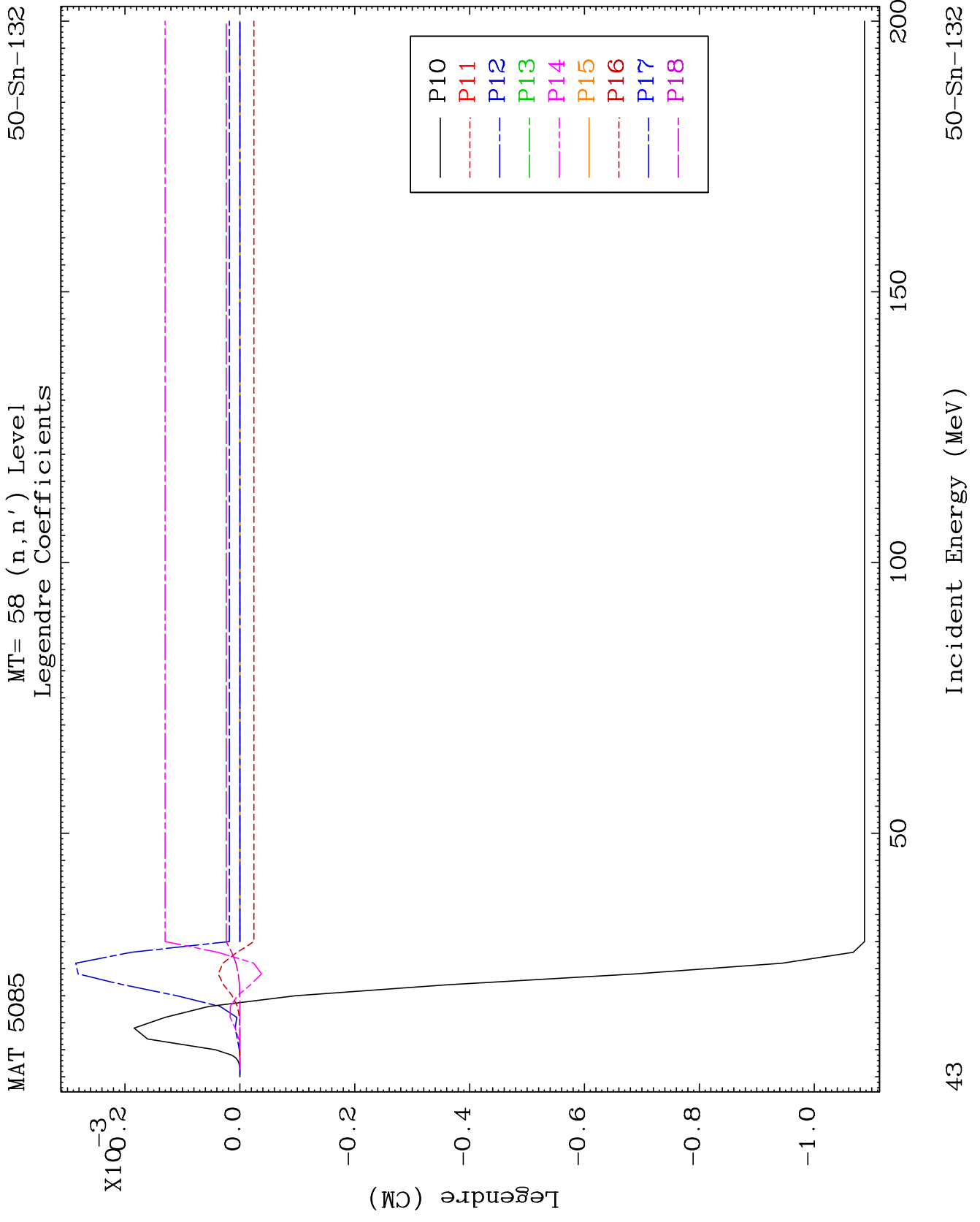
MT= 57 (n,n') Level  
Legendre Coefficients

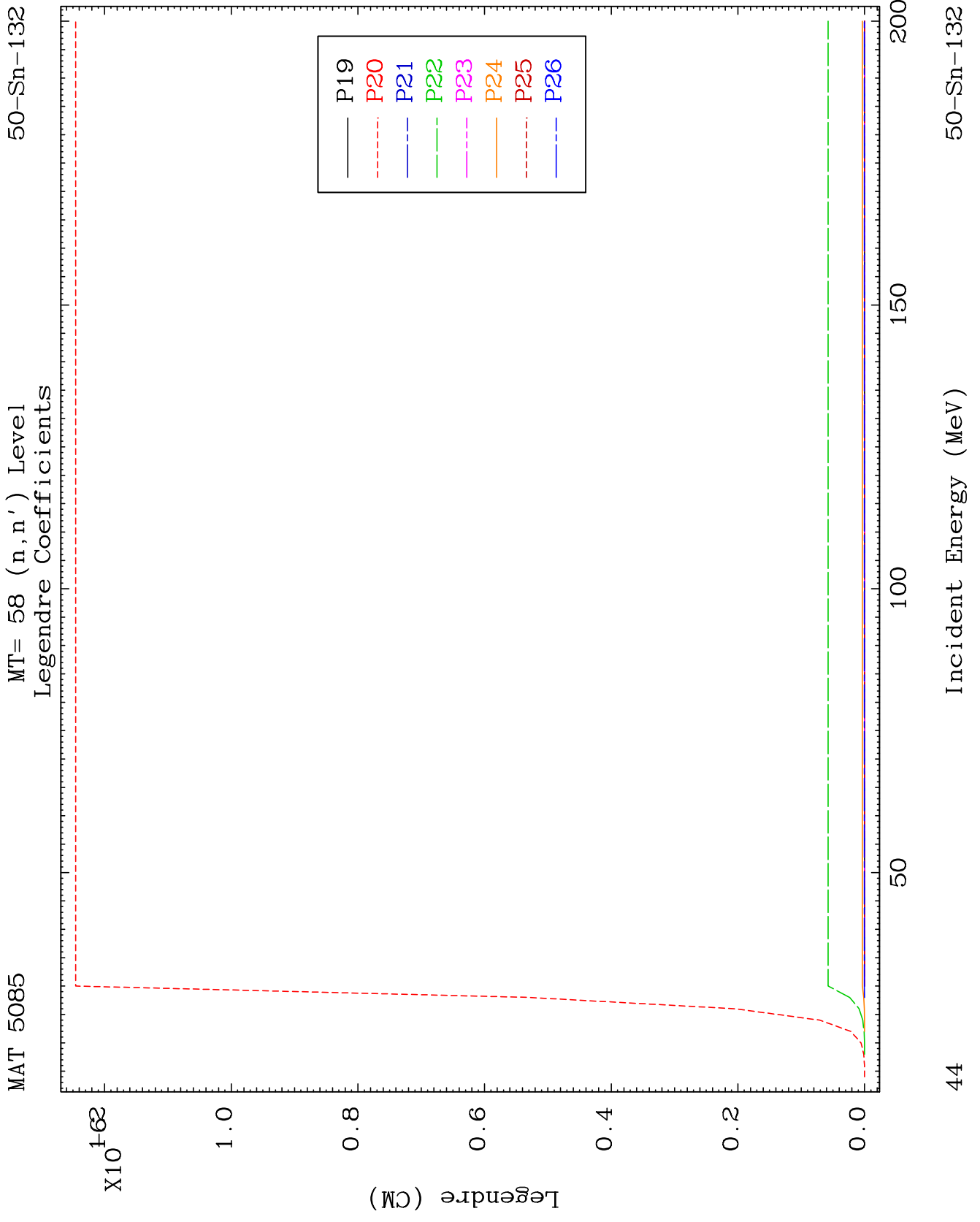
50-Sn-132

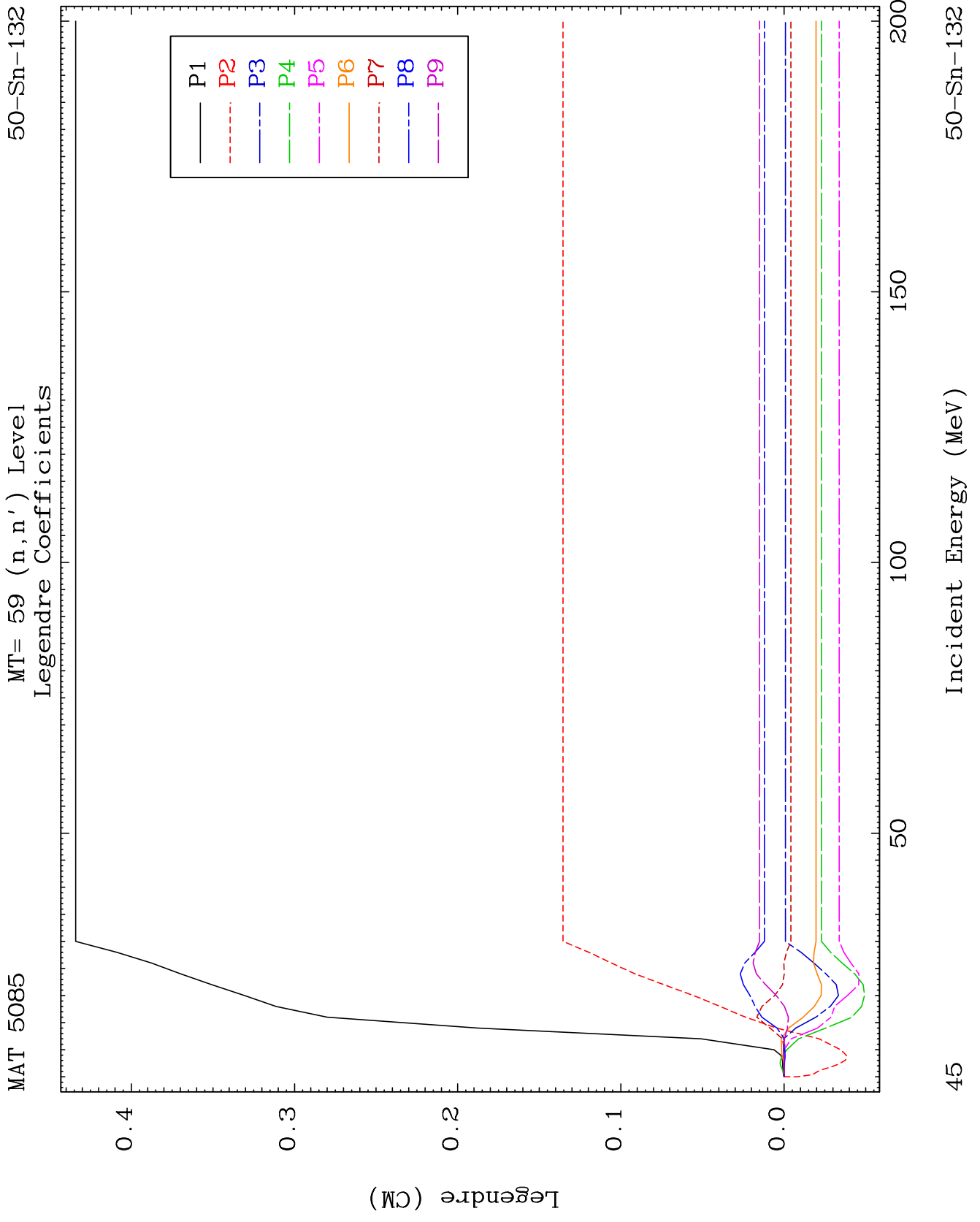










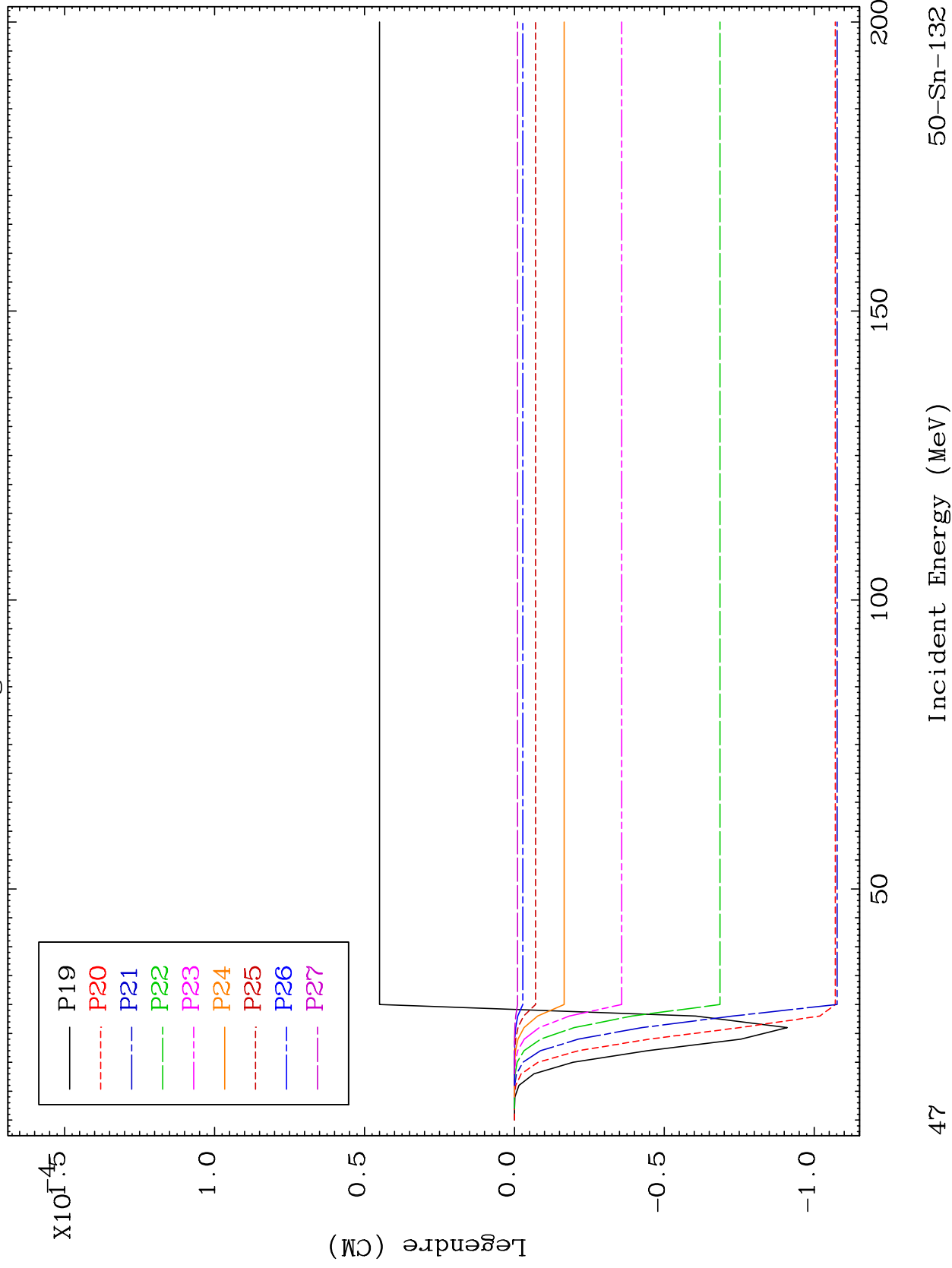




MAT 5085

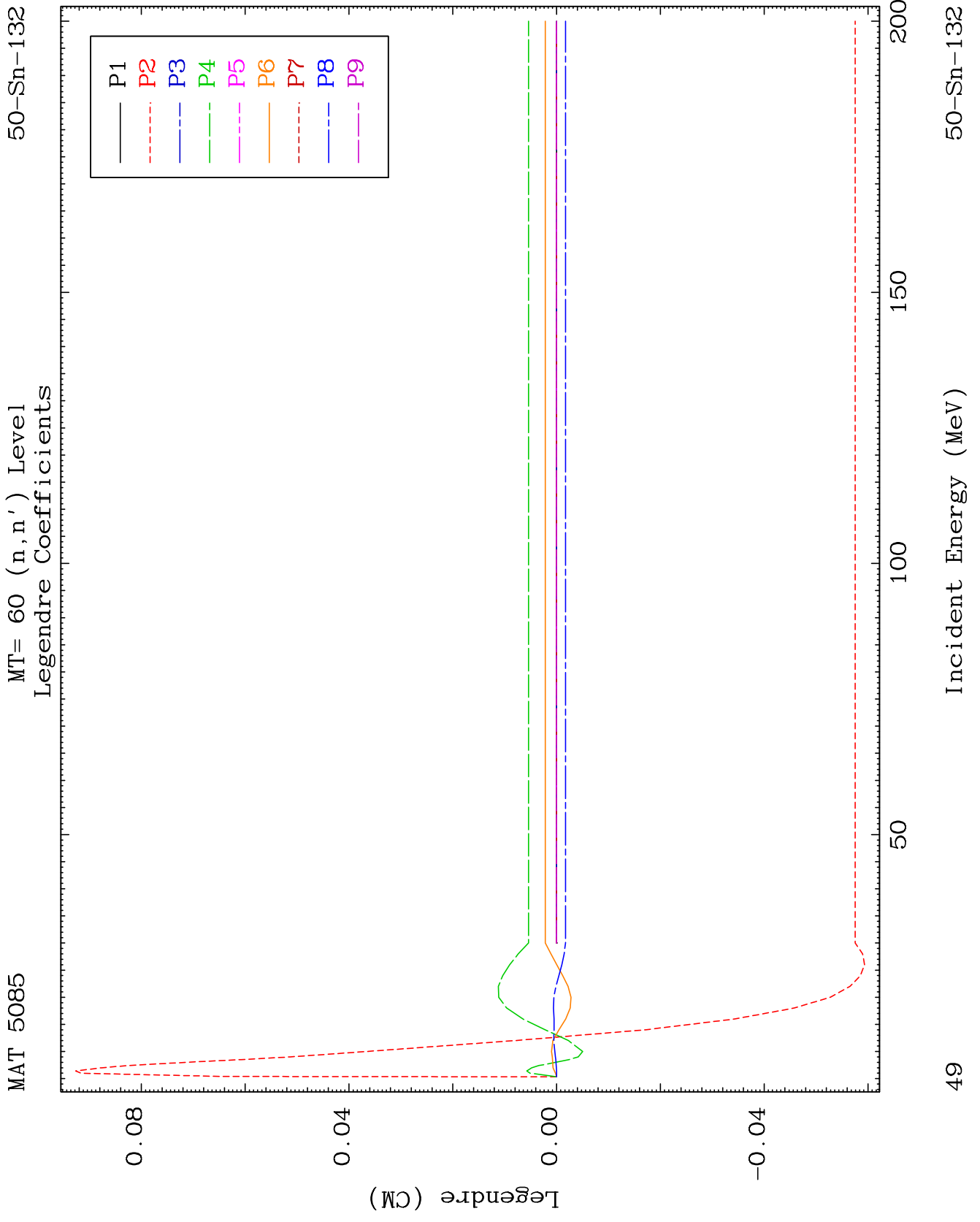
MT= 59 (n,n') Level  
Legendre Coefficients

50-Sn-132





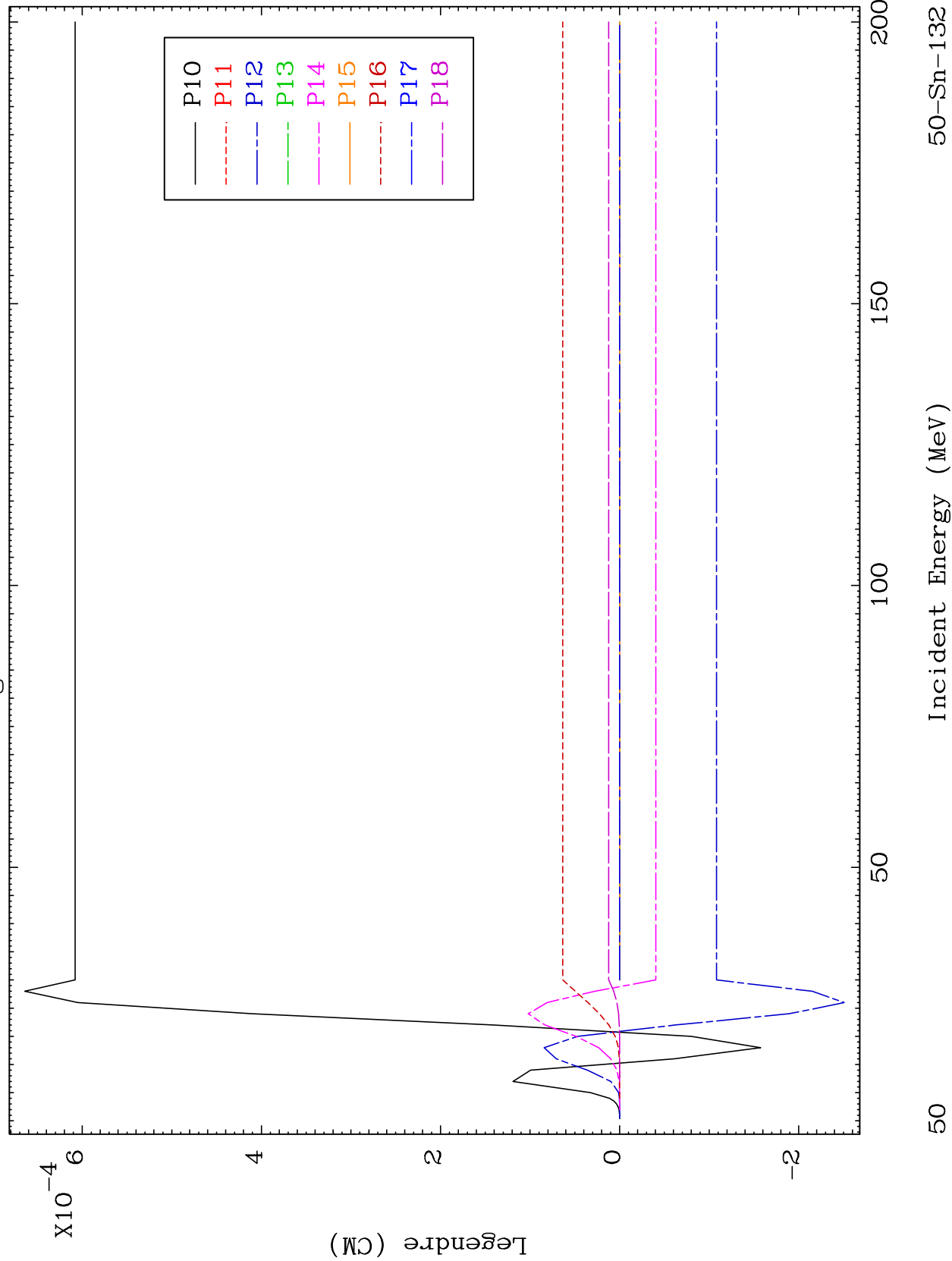


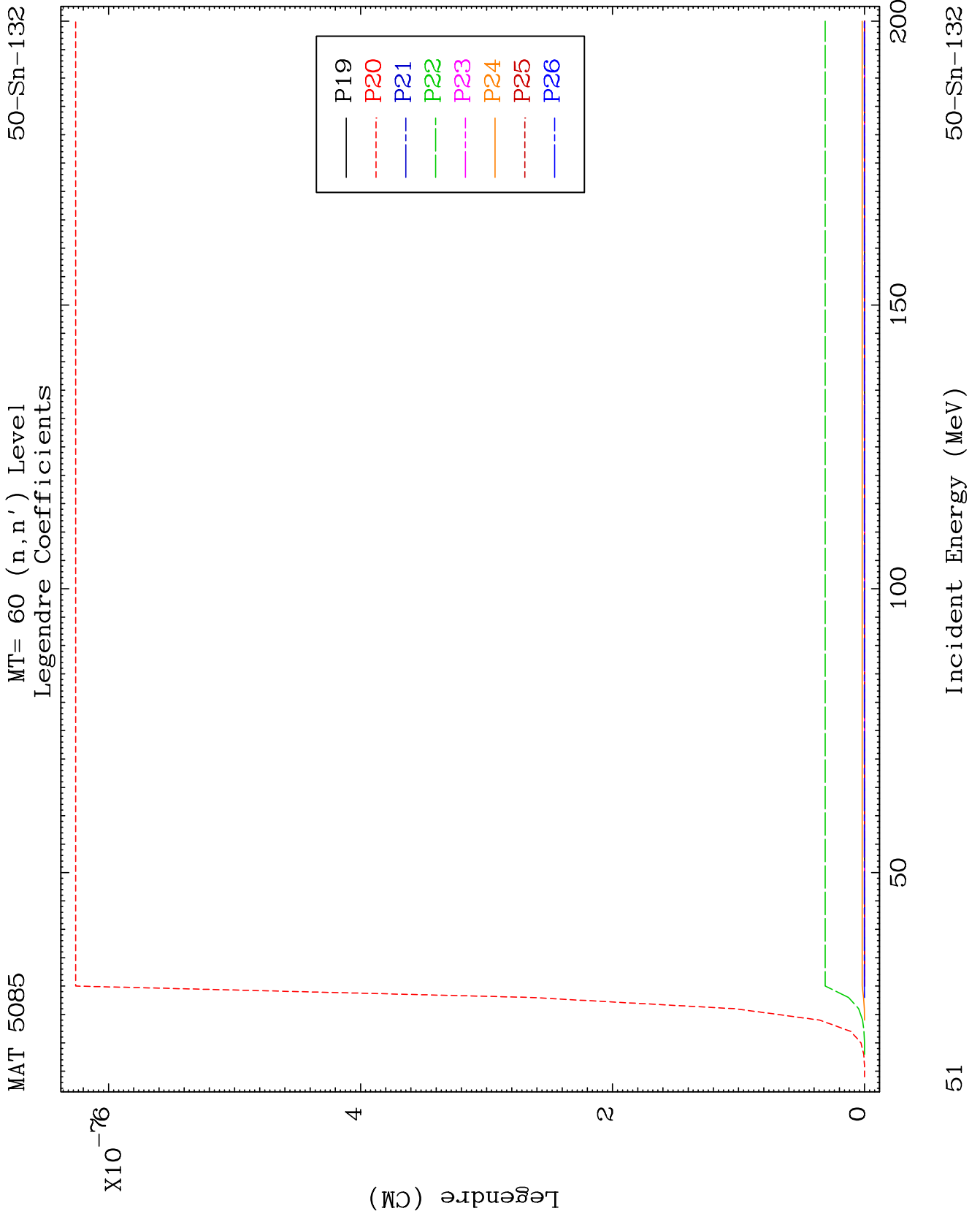


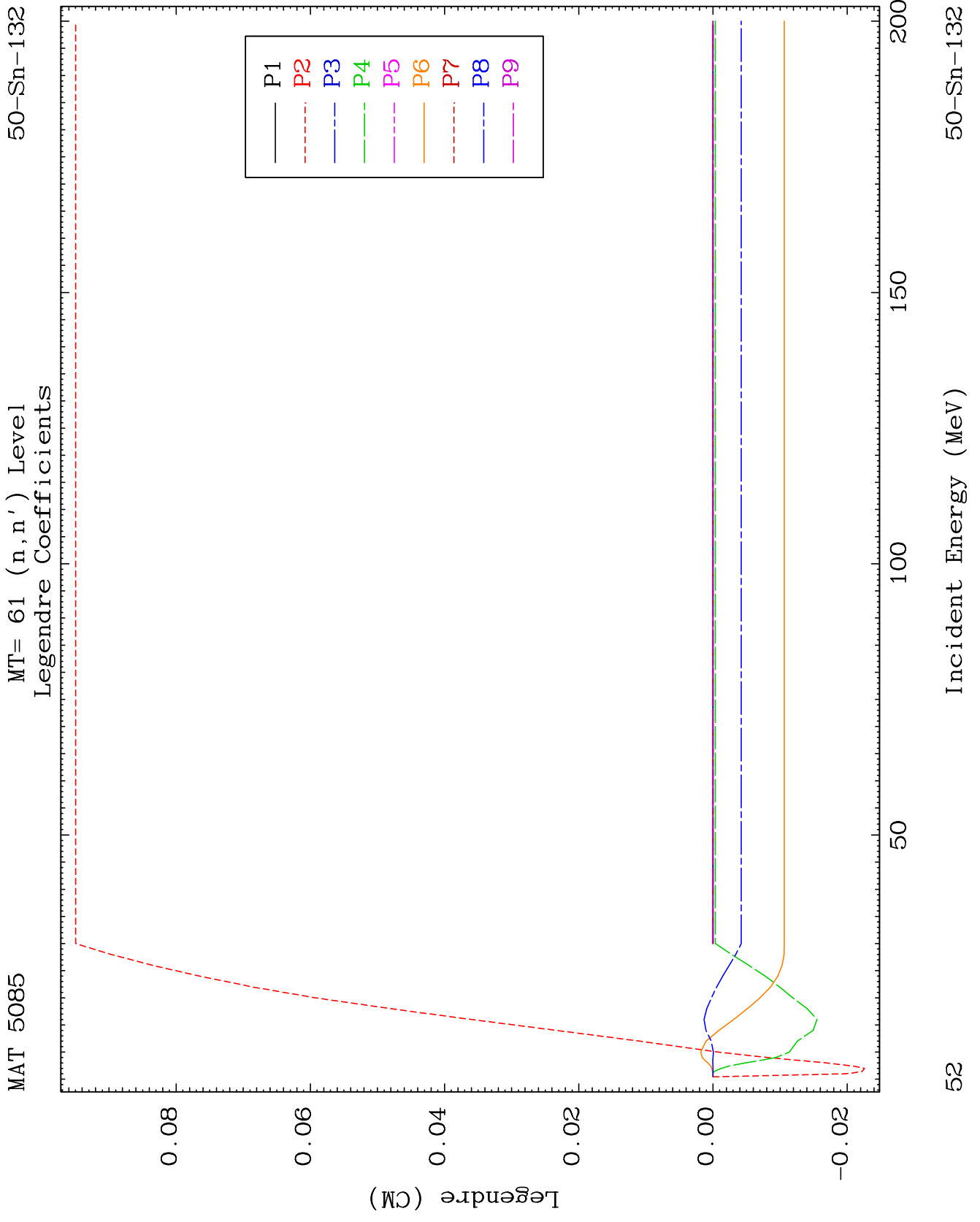
MAT 5085

MT= 60 (n,n') Level  
Legendre Coefficients

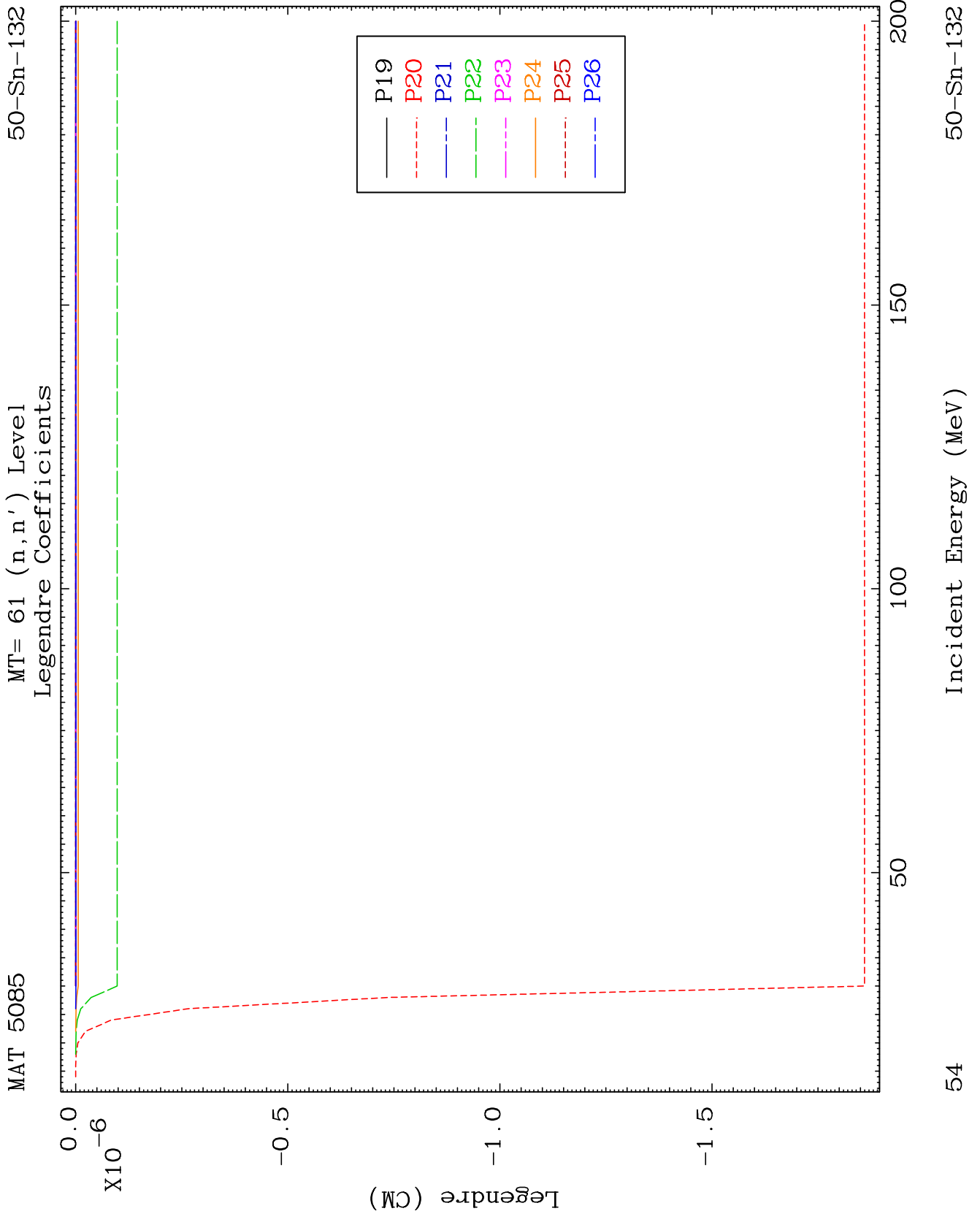
50-Sn-132







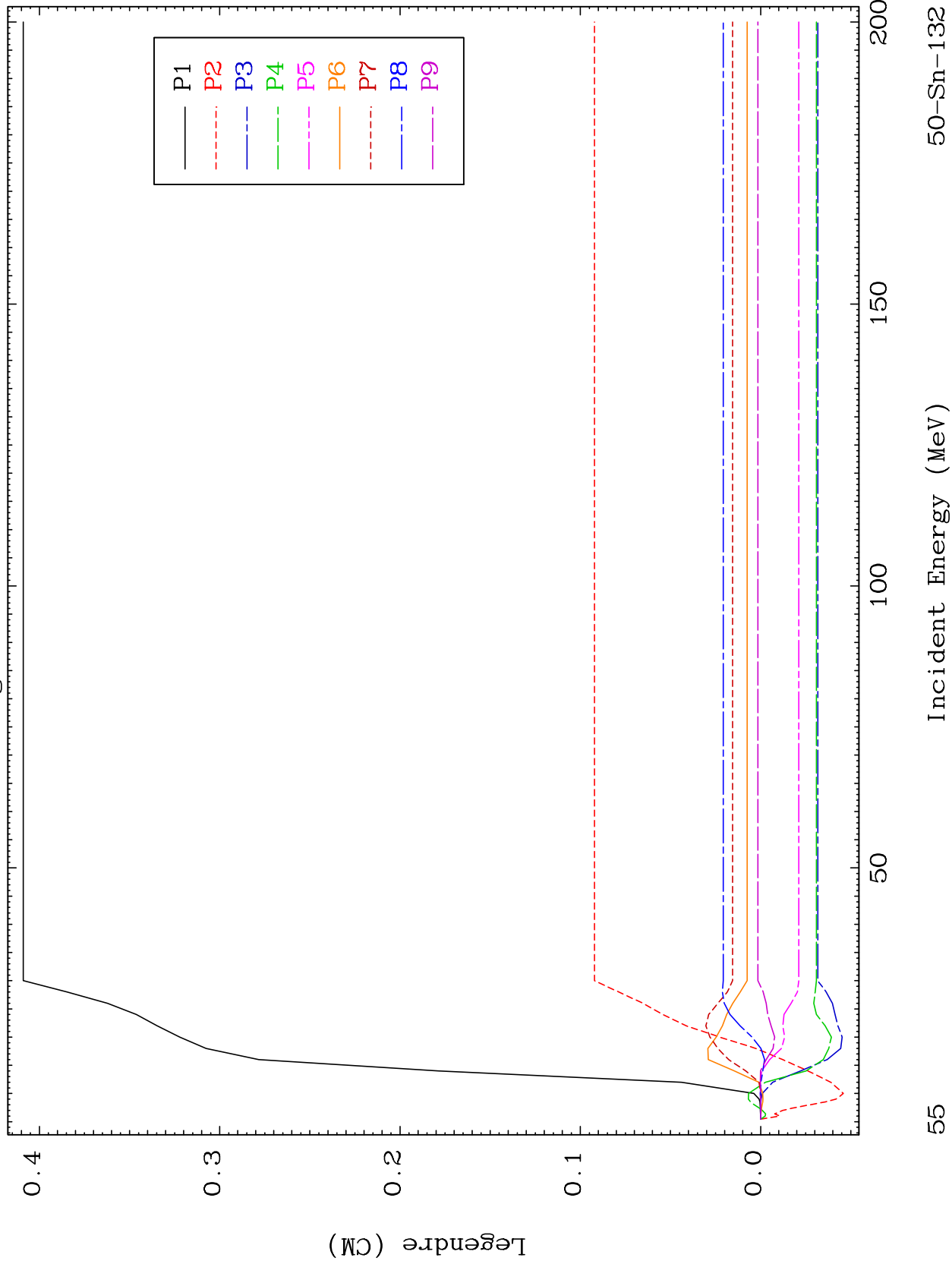




MAT 5085

MT= 62 (n,n') Level  
Legendre Coefficients

50-Sn-132



50-Sn-132

Incident Energy (MeV)

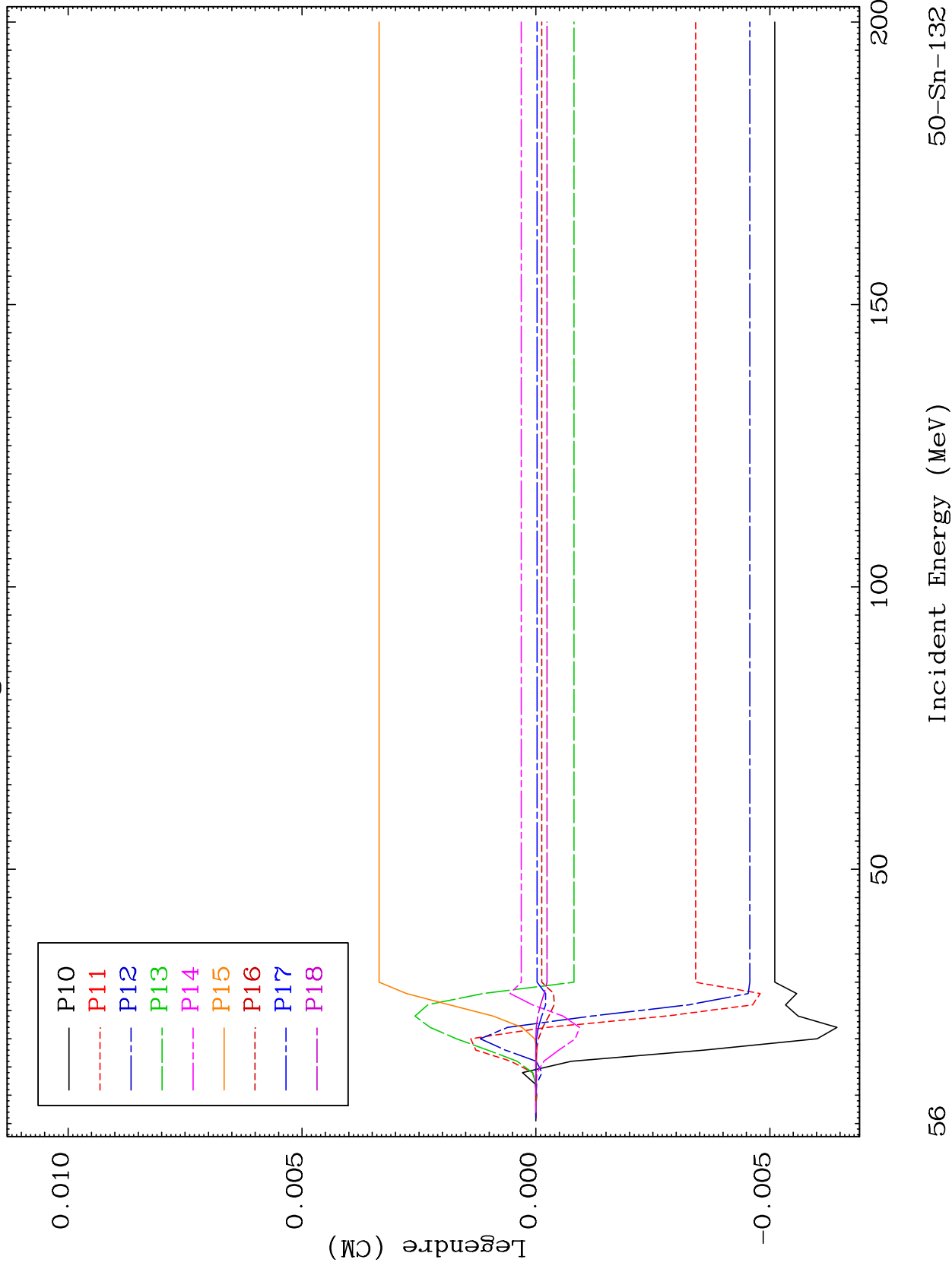
55



MAT 5085

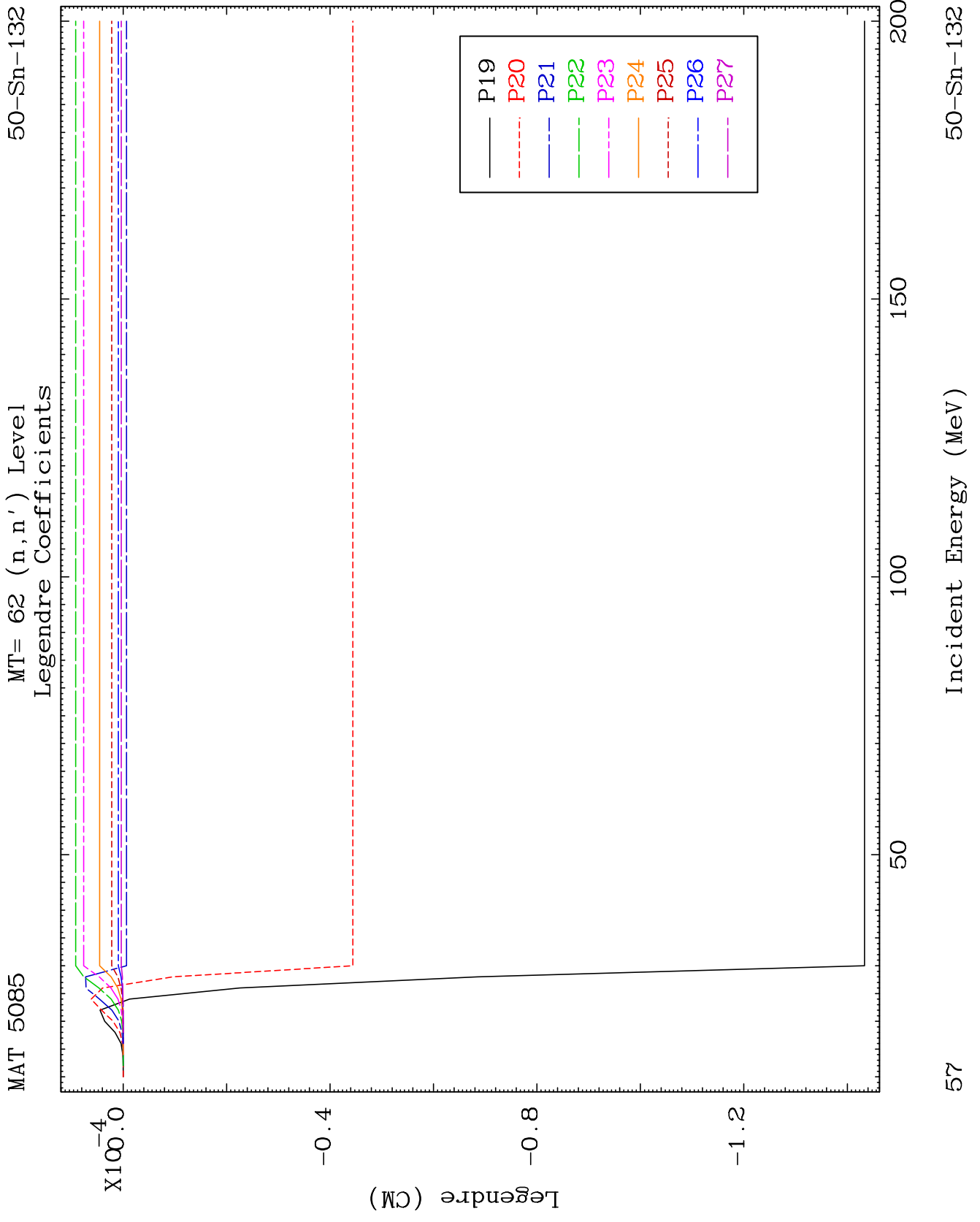
MT= 62 (n,n') Level  
Legendre Coefficients

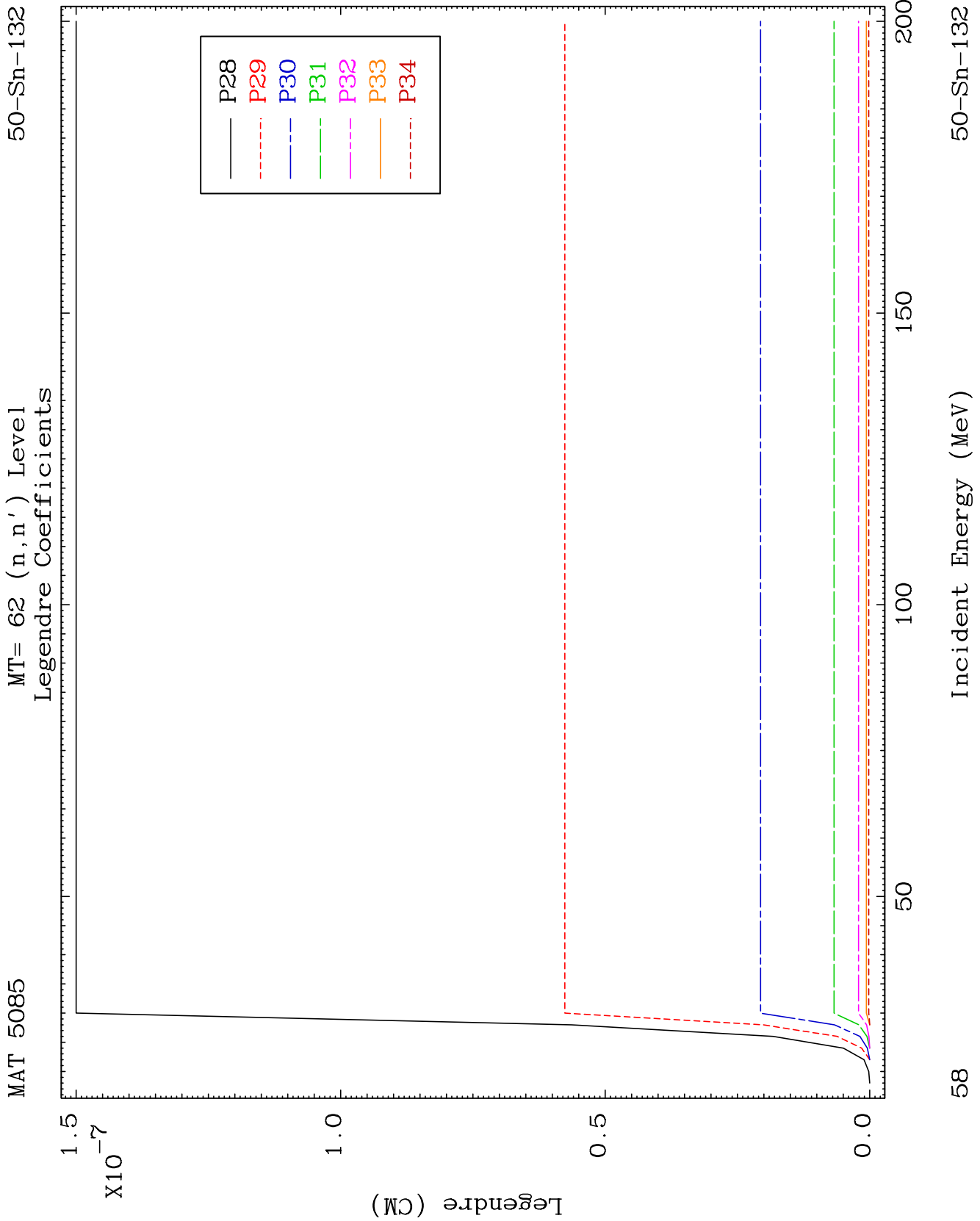
50-Sn-132



56

50-Sn-132

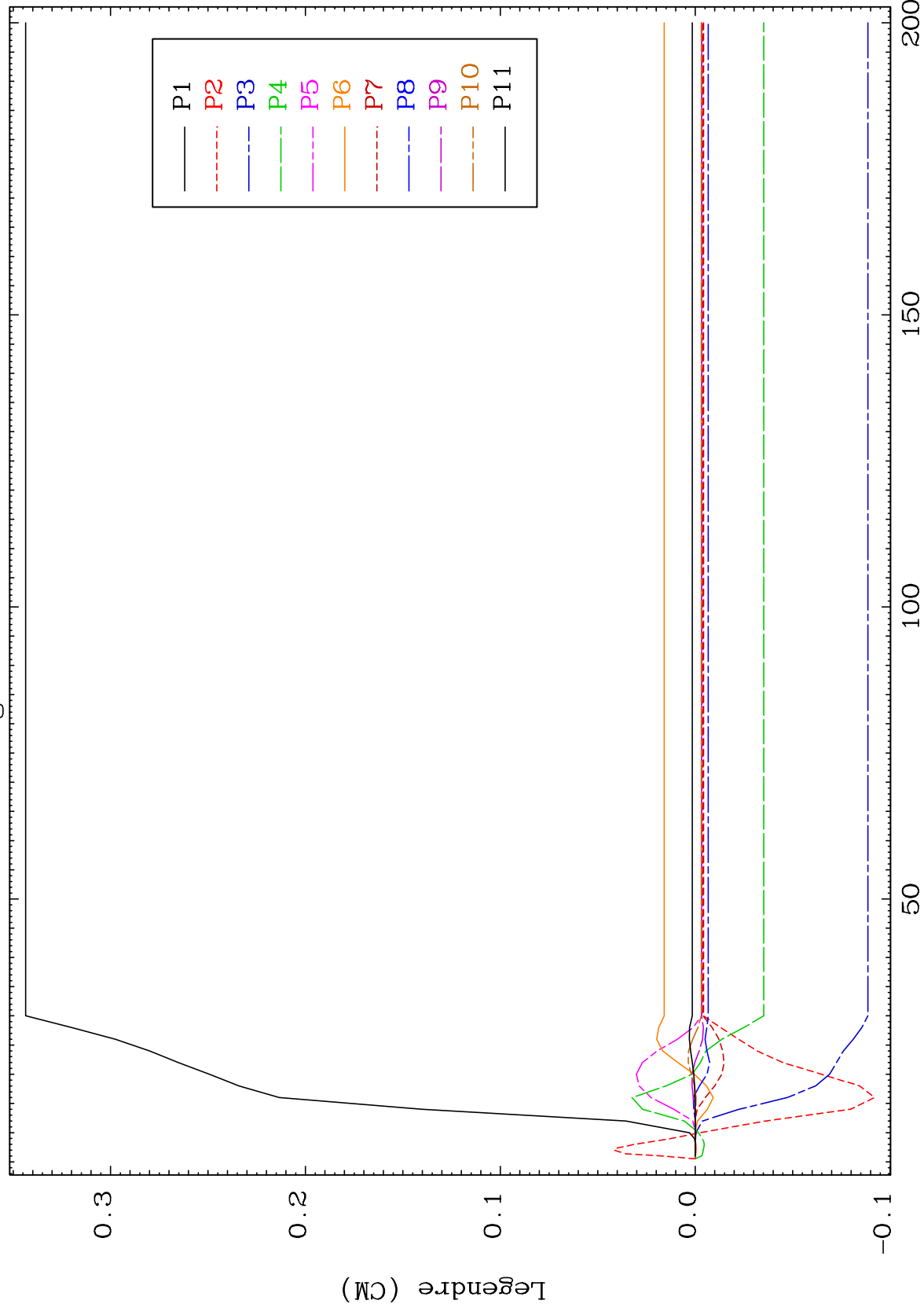




MAT 5085

MT= 63 (n,n') Level  
Legendre Coefficients

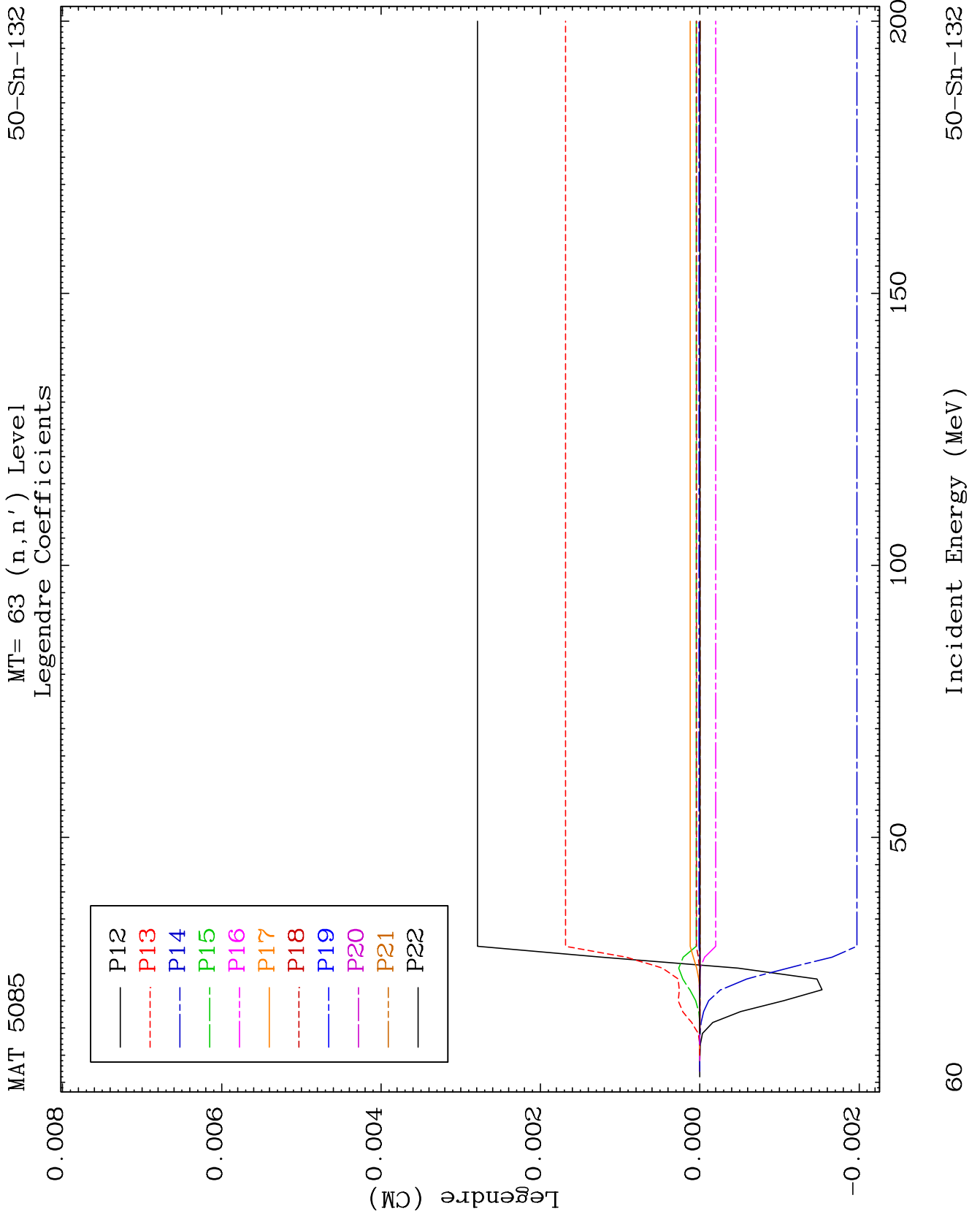
50-Sn-132

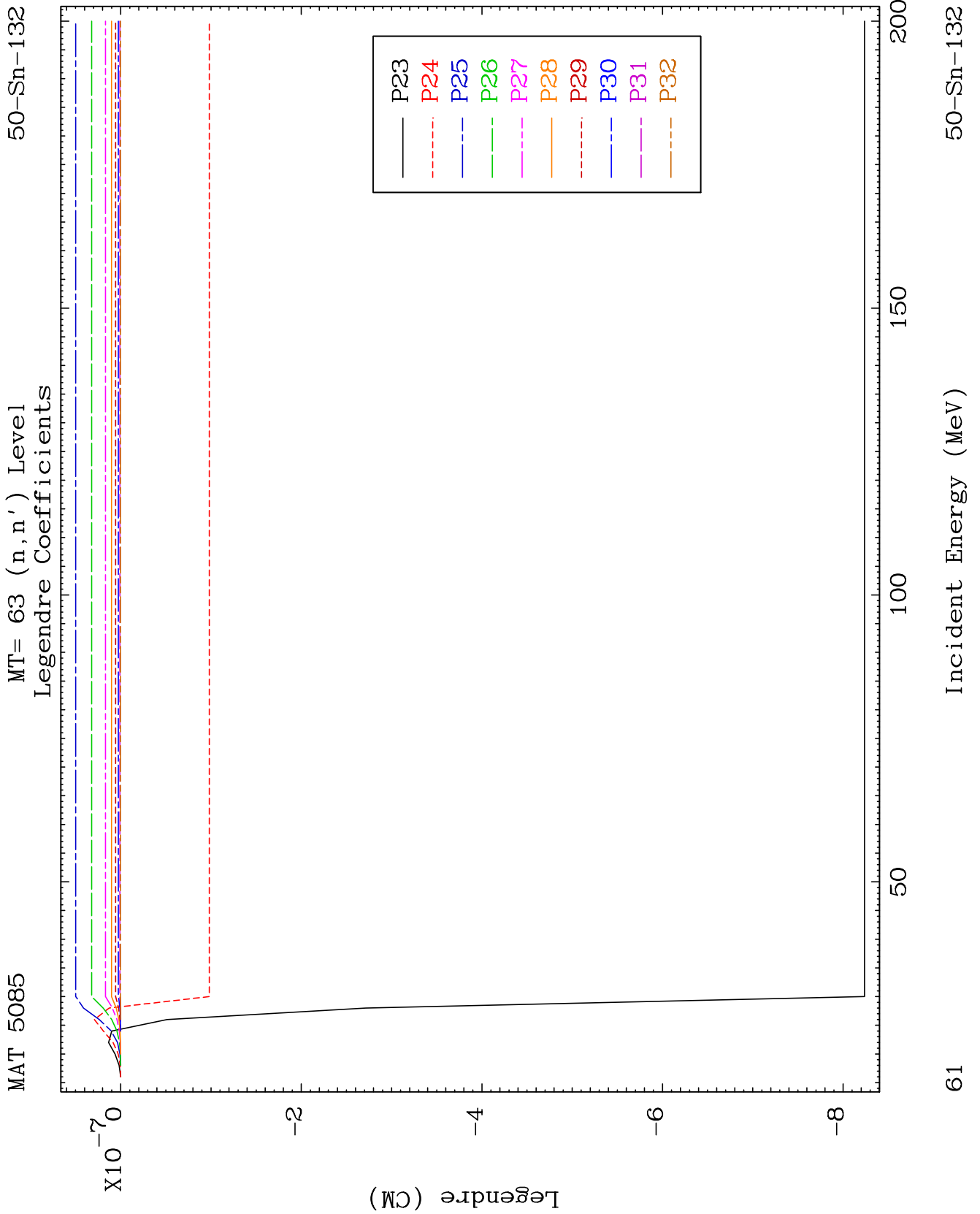


59

Incident Energy (MeV)

50-Sn-132

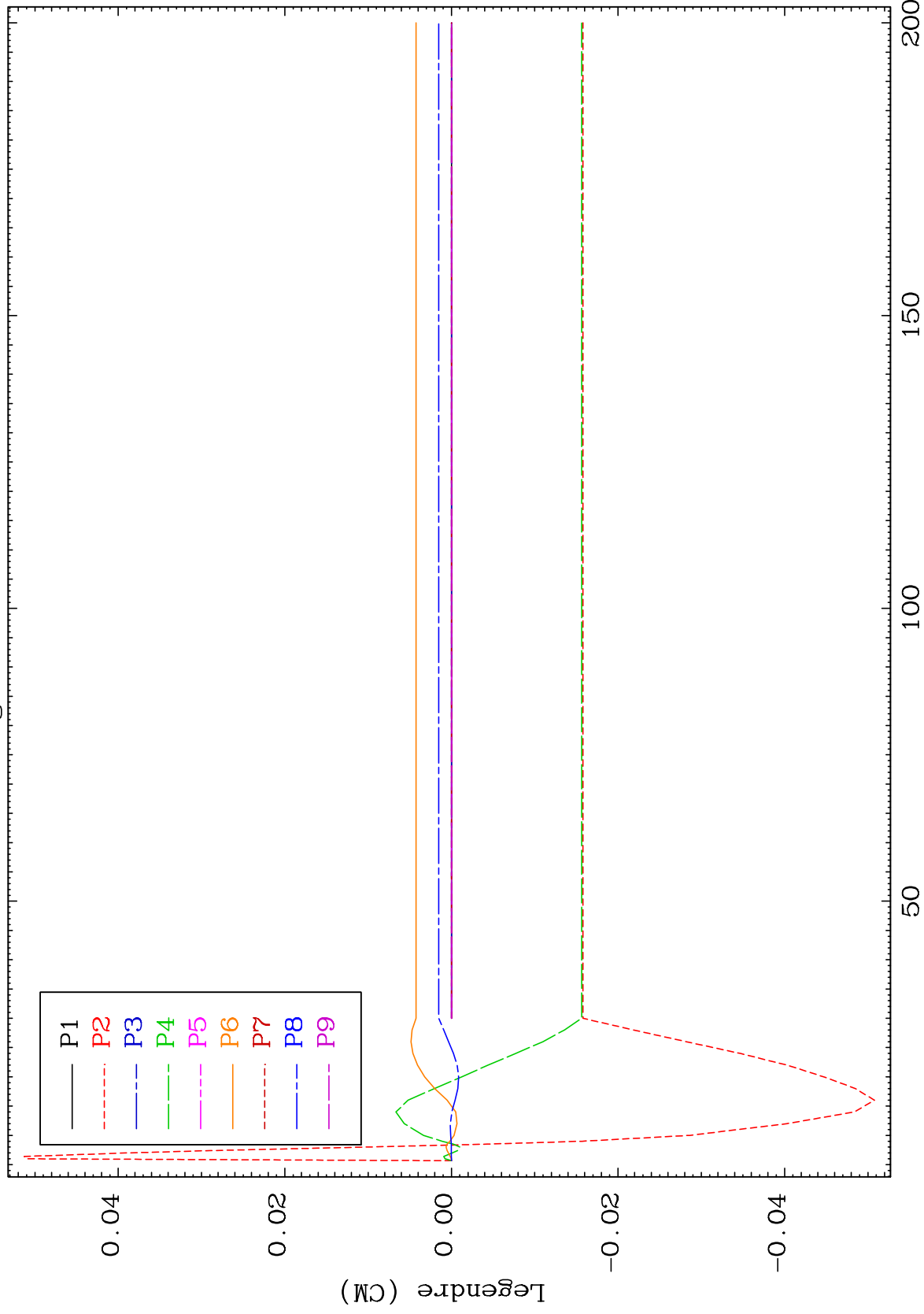




MAT 5085

MT= 64 (n,n') Level  
Legendre Coefficients

50-Sn-132



62

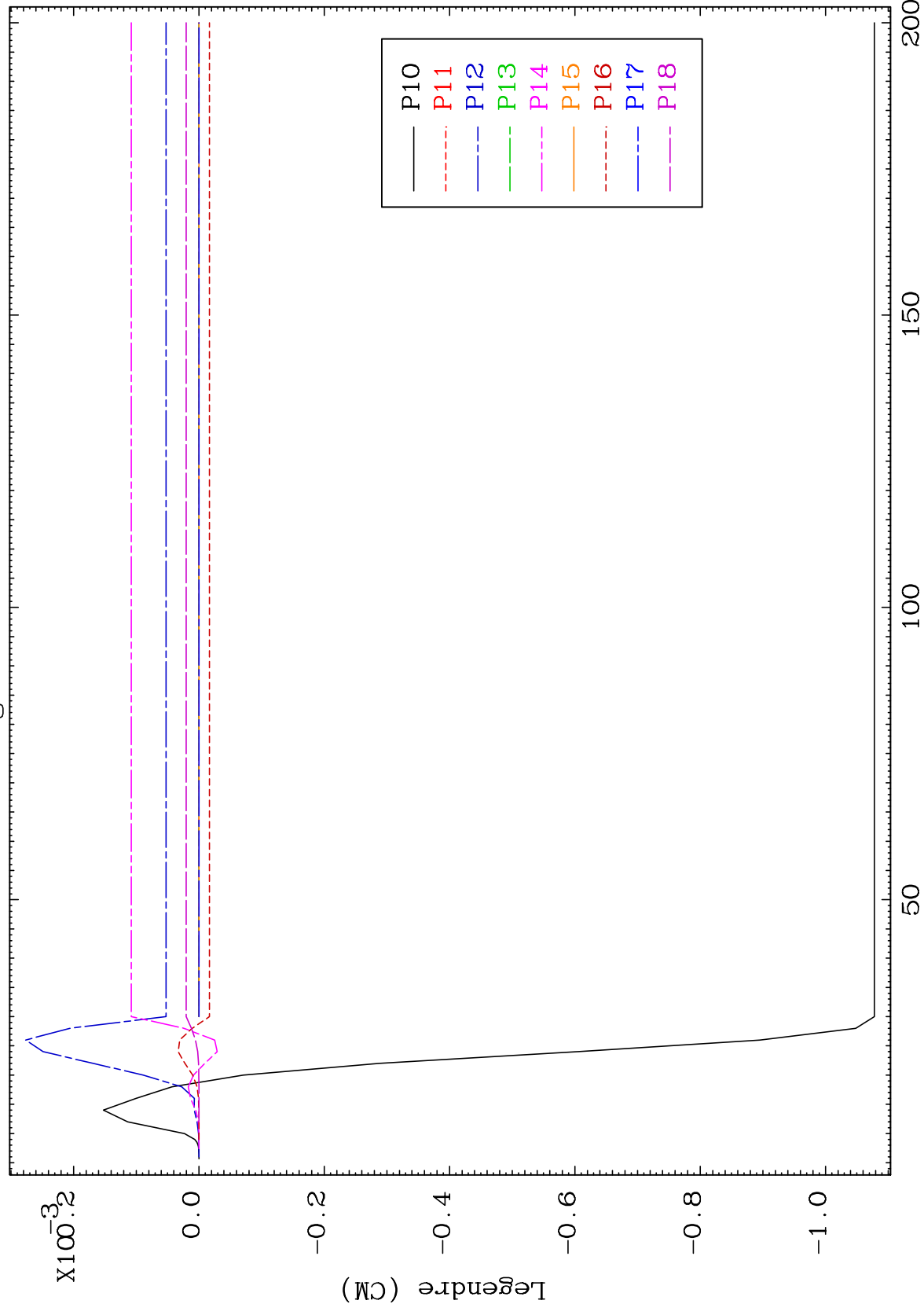
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 64 (n,n') Level  
Legendre Coefficients

50-Sn-132



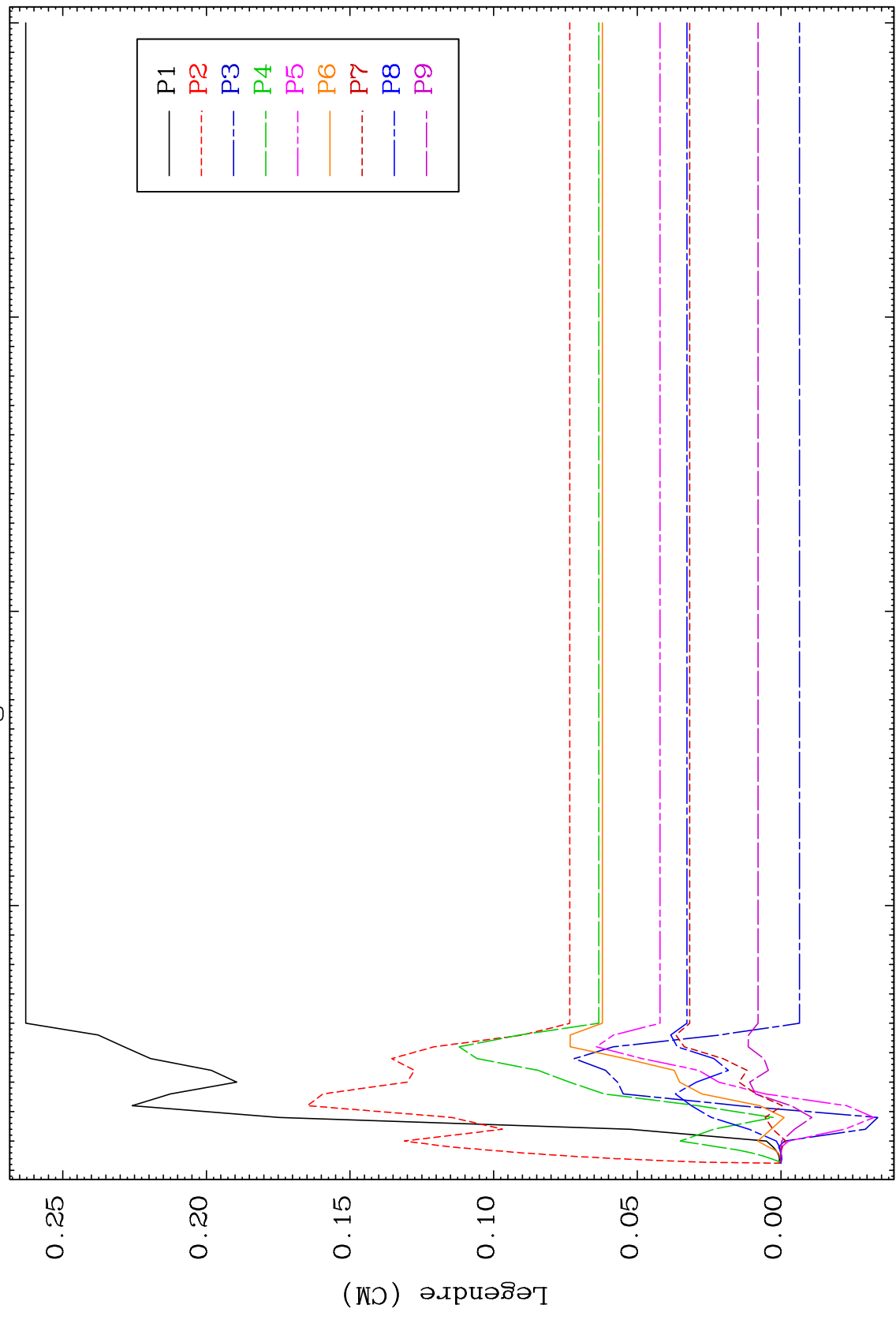




MAT 5085

MT= 65 (n,n') Level  
Legendre Coefficients

50-Sn-132

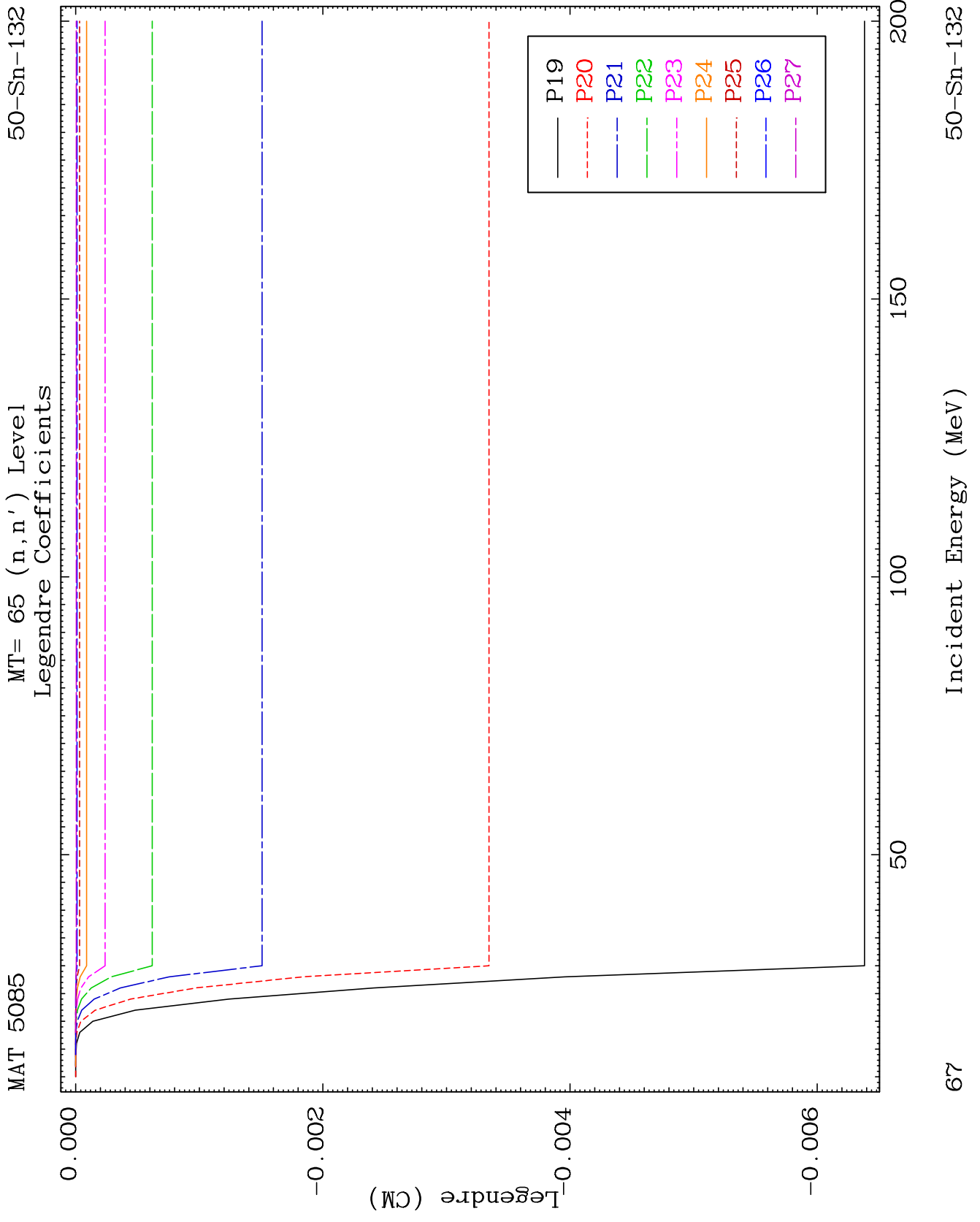


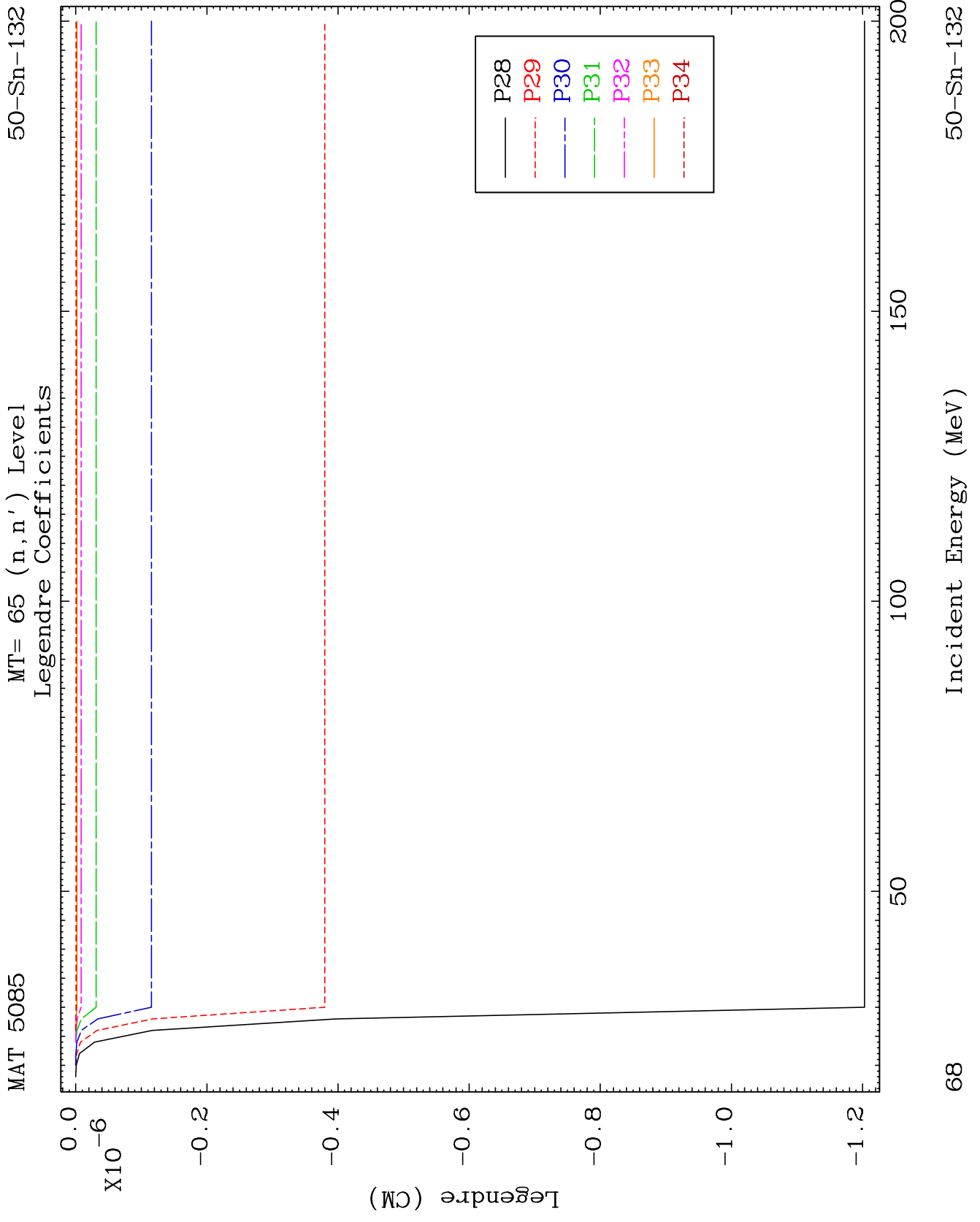
65

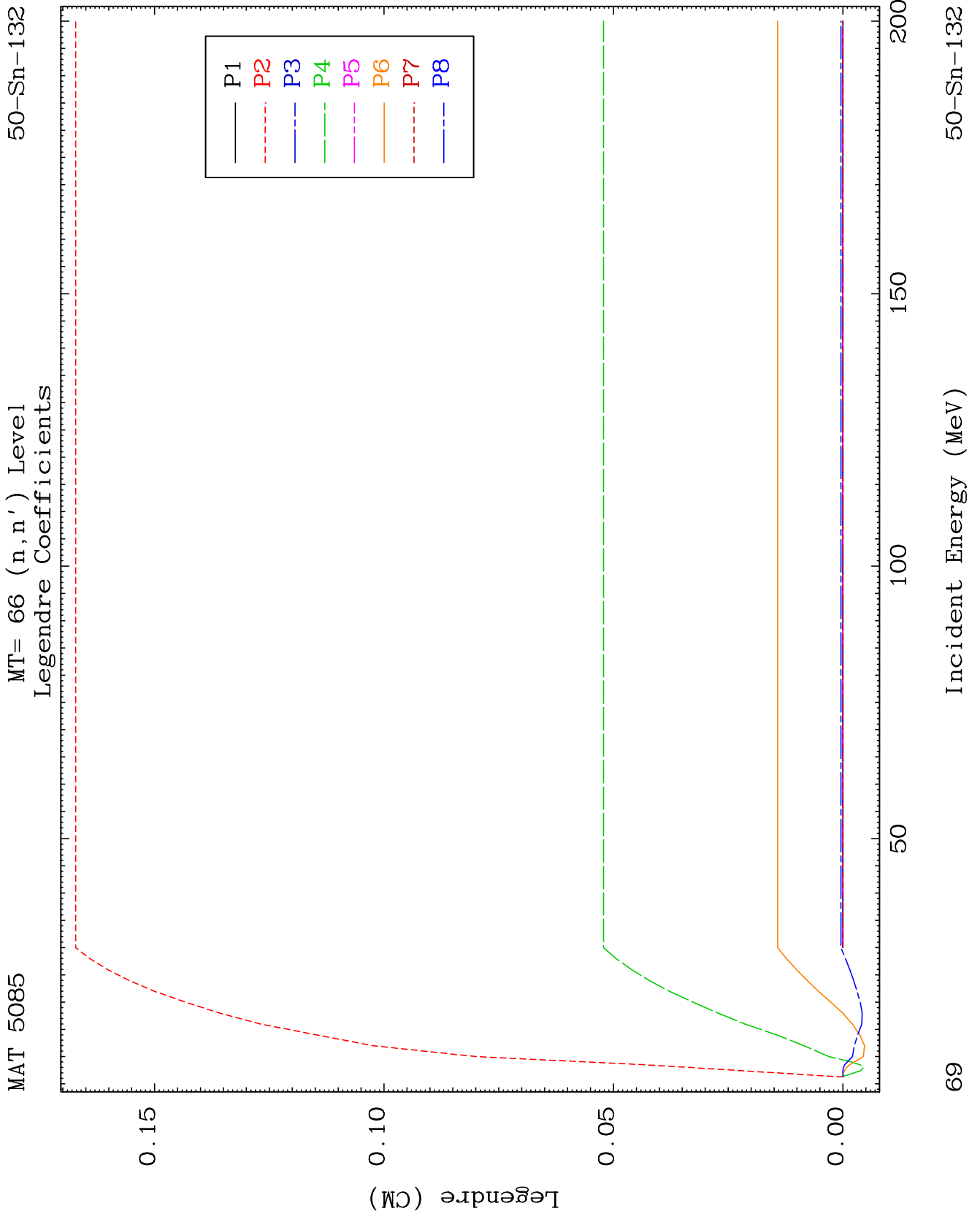
Incident Energy (MeV)

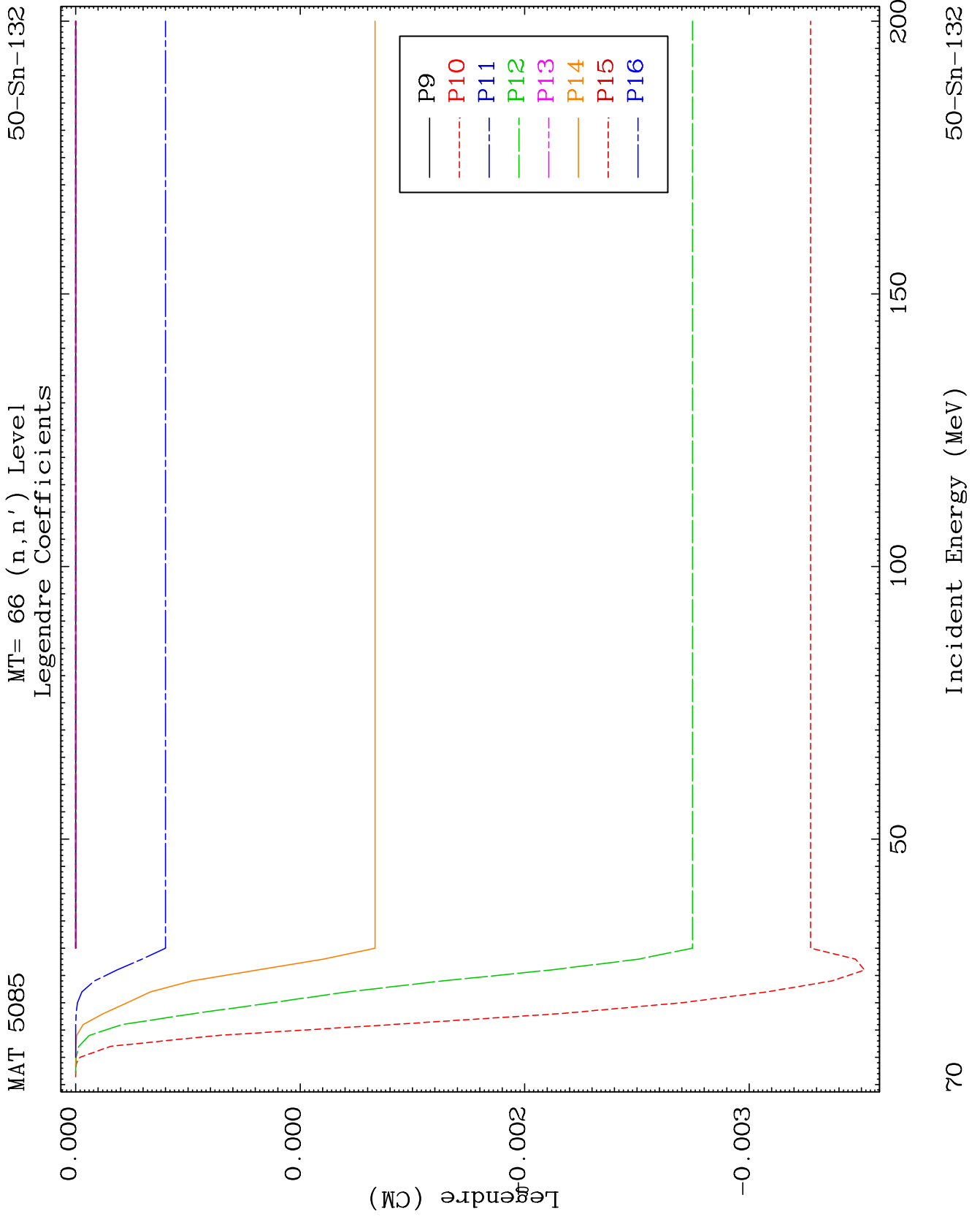
50-Sn-132

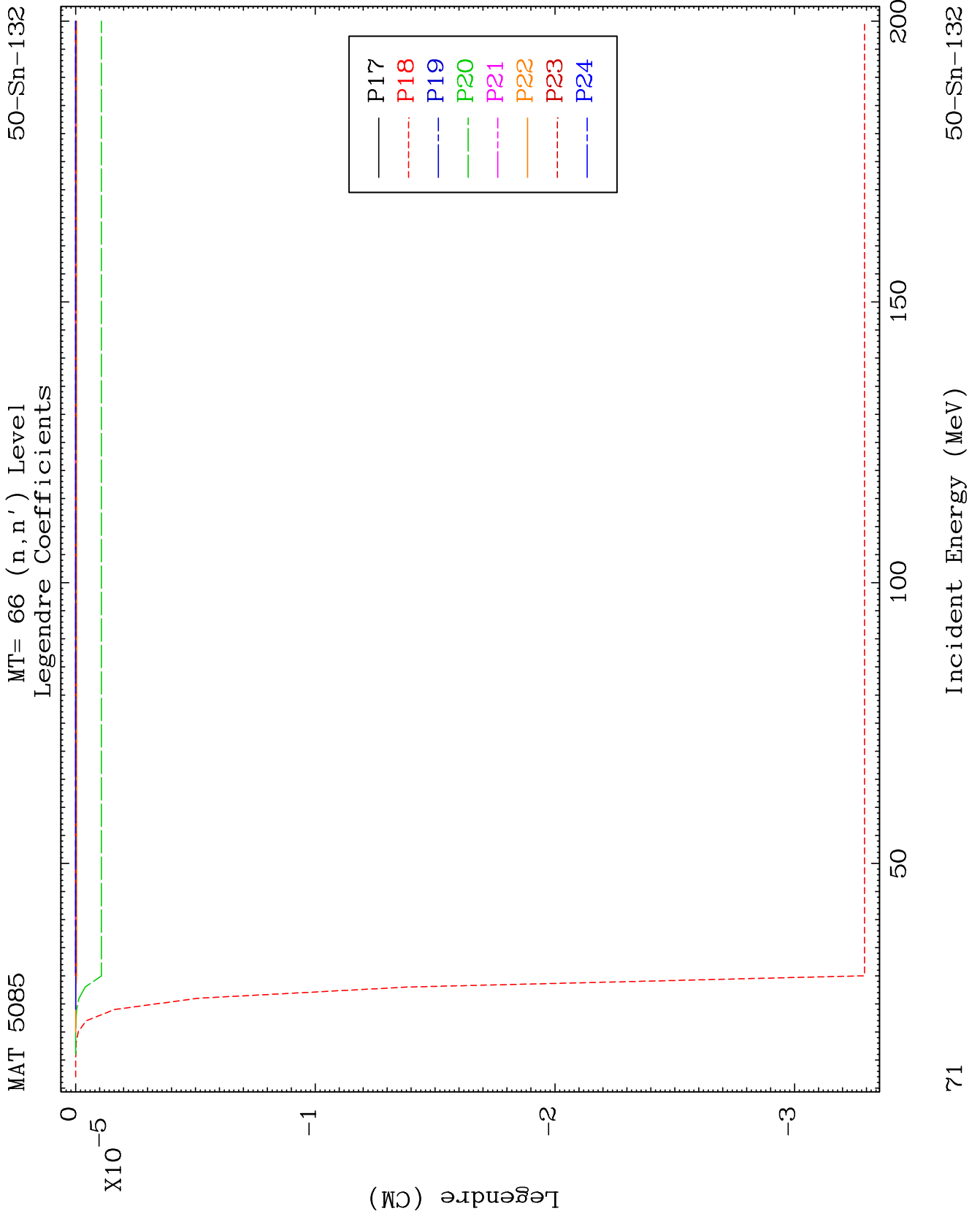










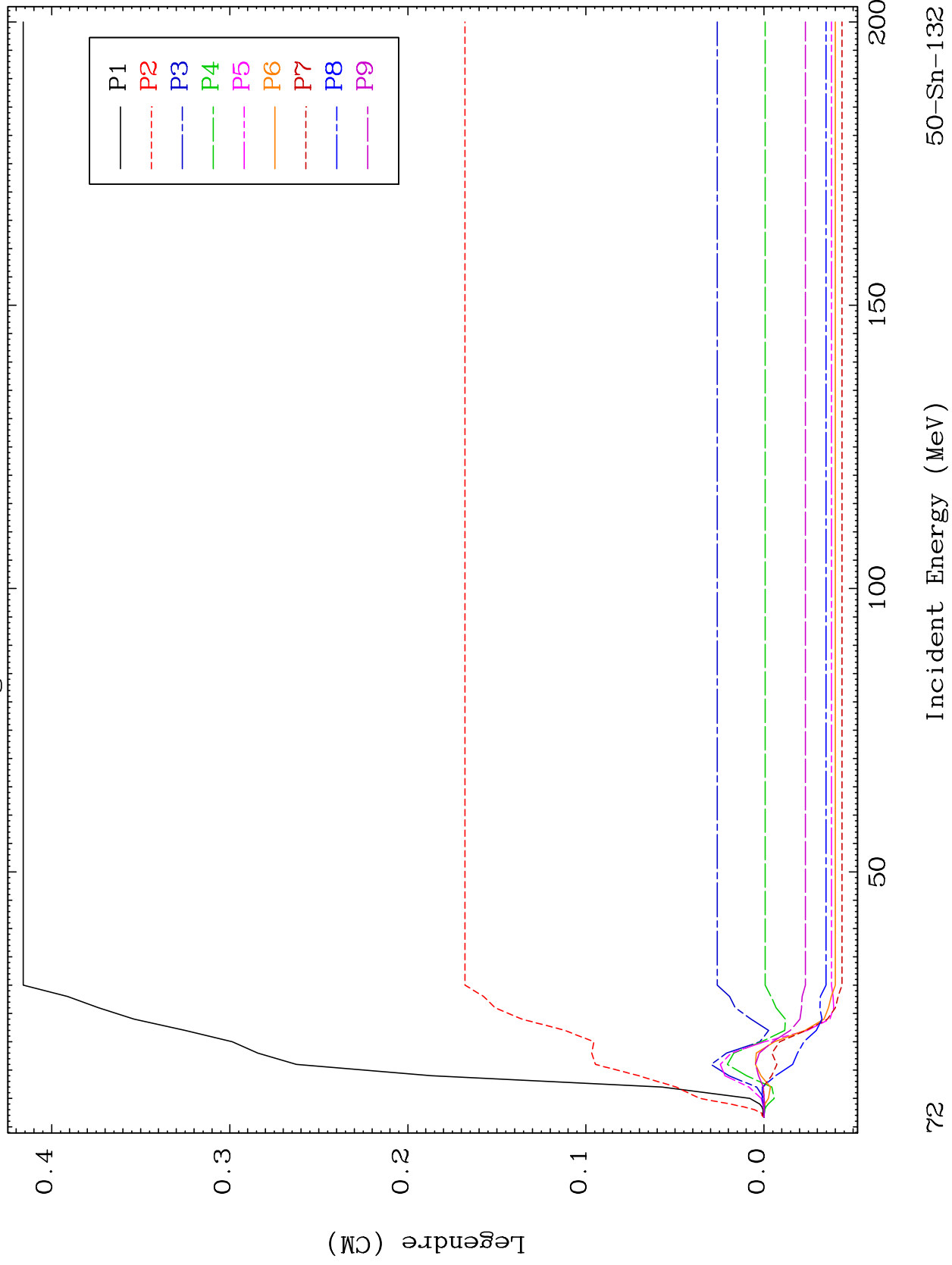




MAT 5085

MT= 67 (n,n') Level  
Legendre Coefficients

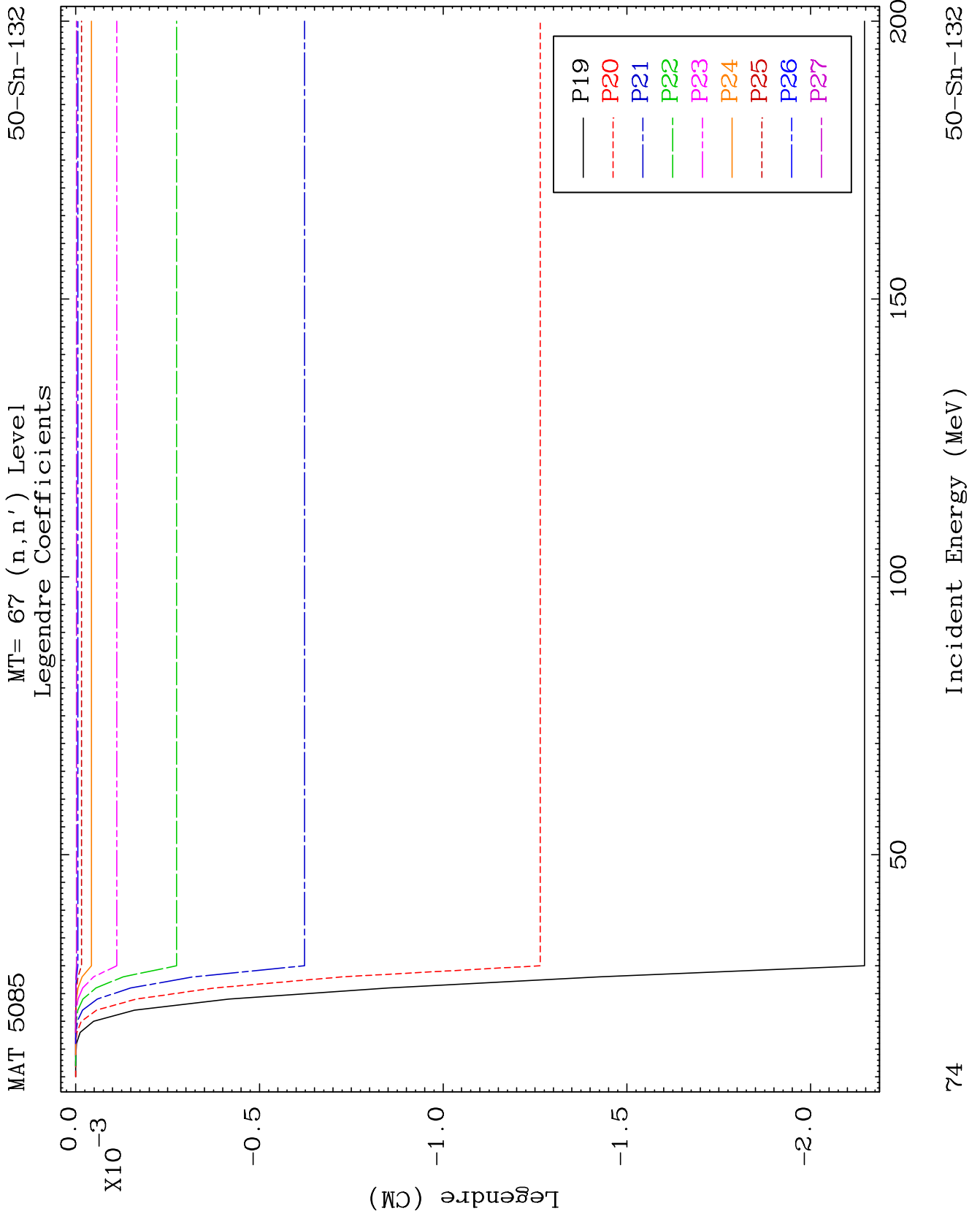
50-Sn-132

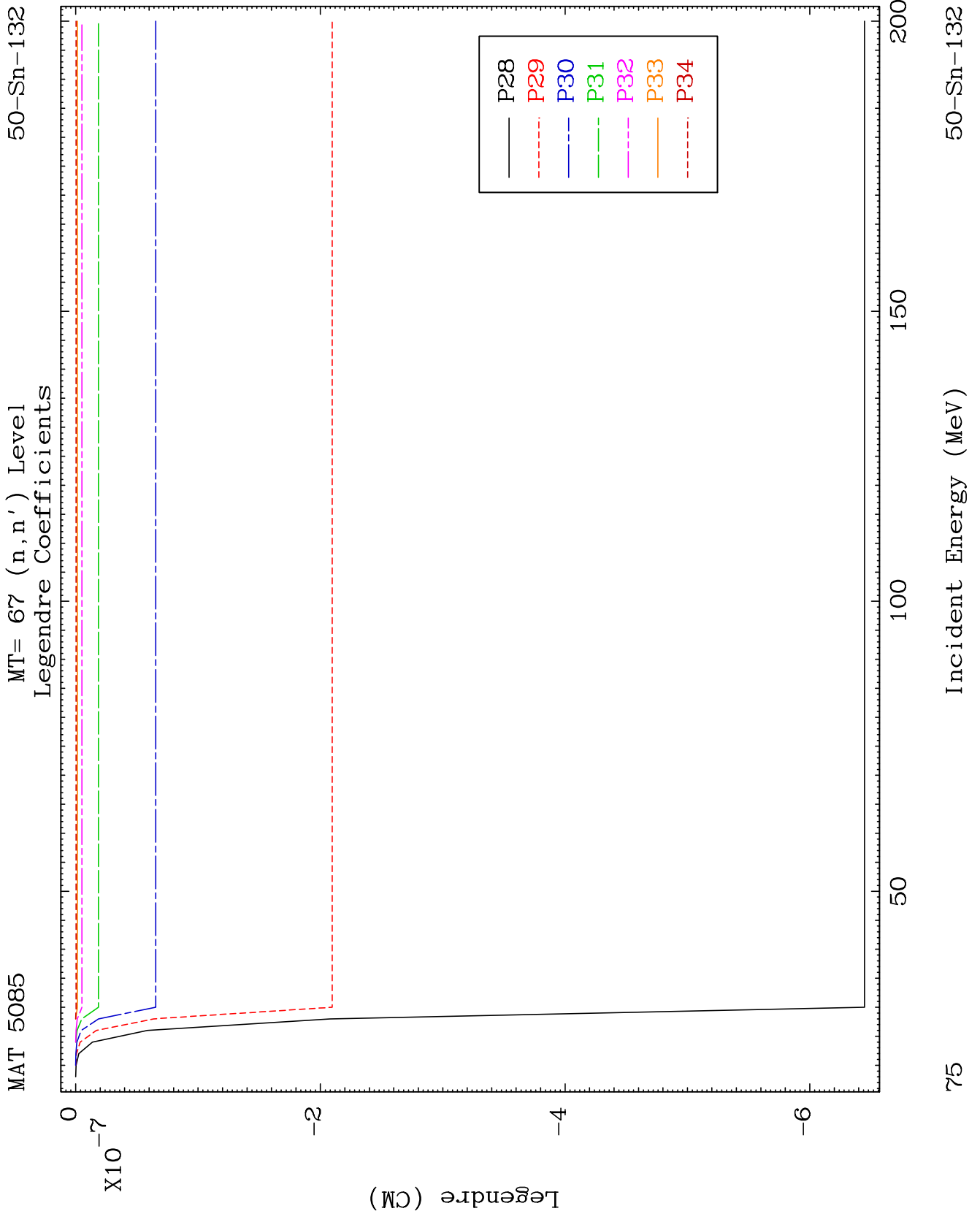


72

50-Sn-132



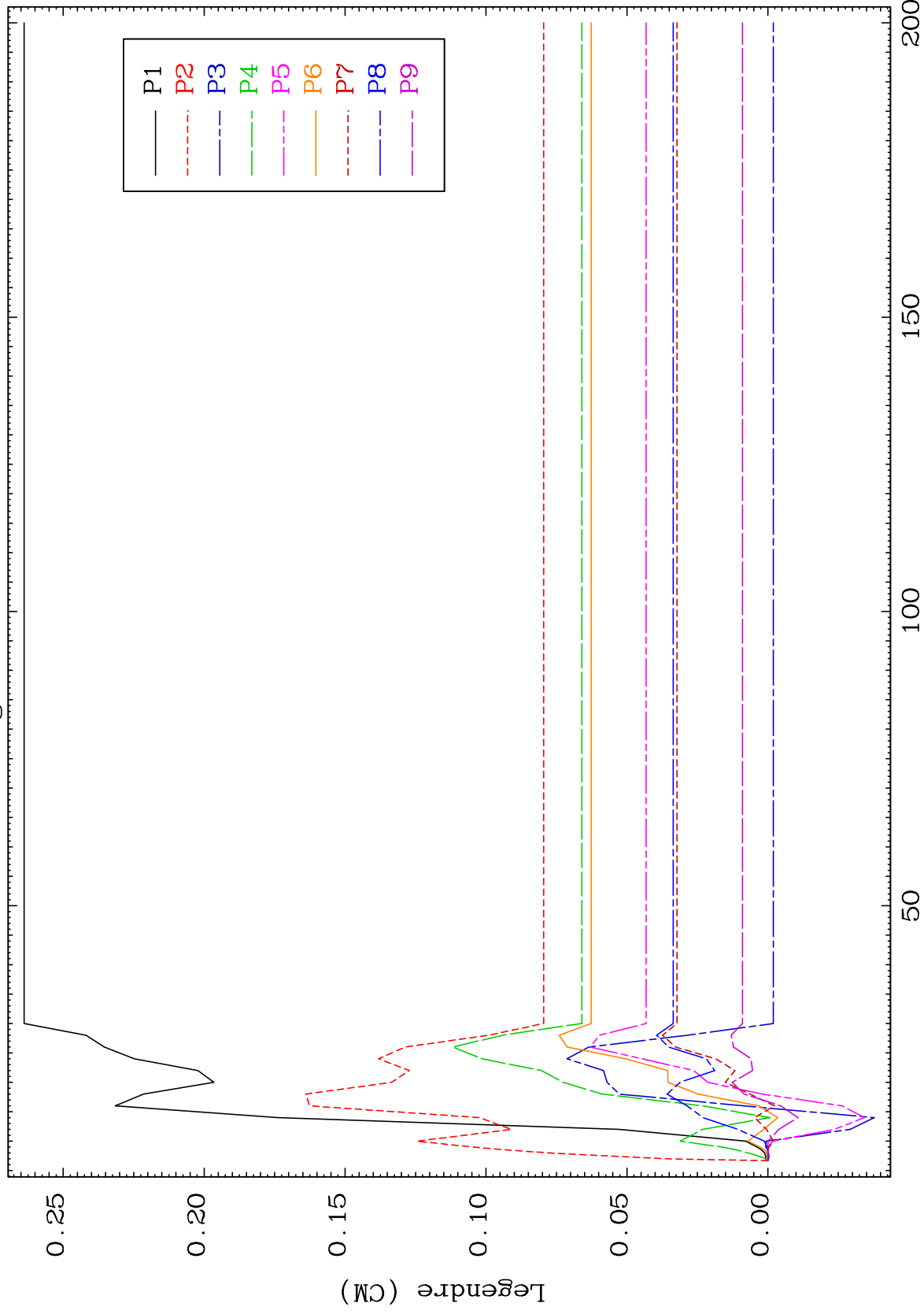




MAT 5085

MT= 68 (n,n') Level  
Legendre Coefficients

50-Sn-132



76

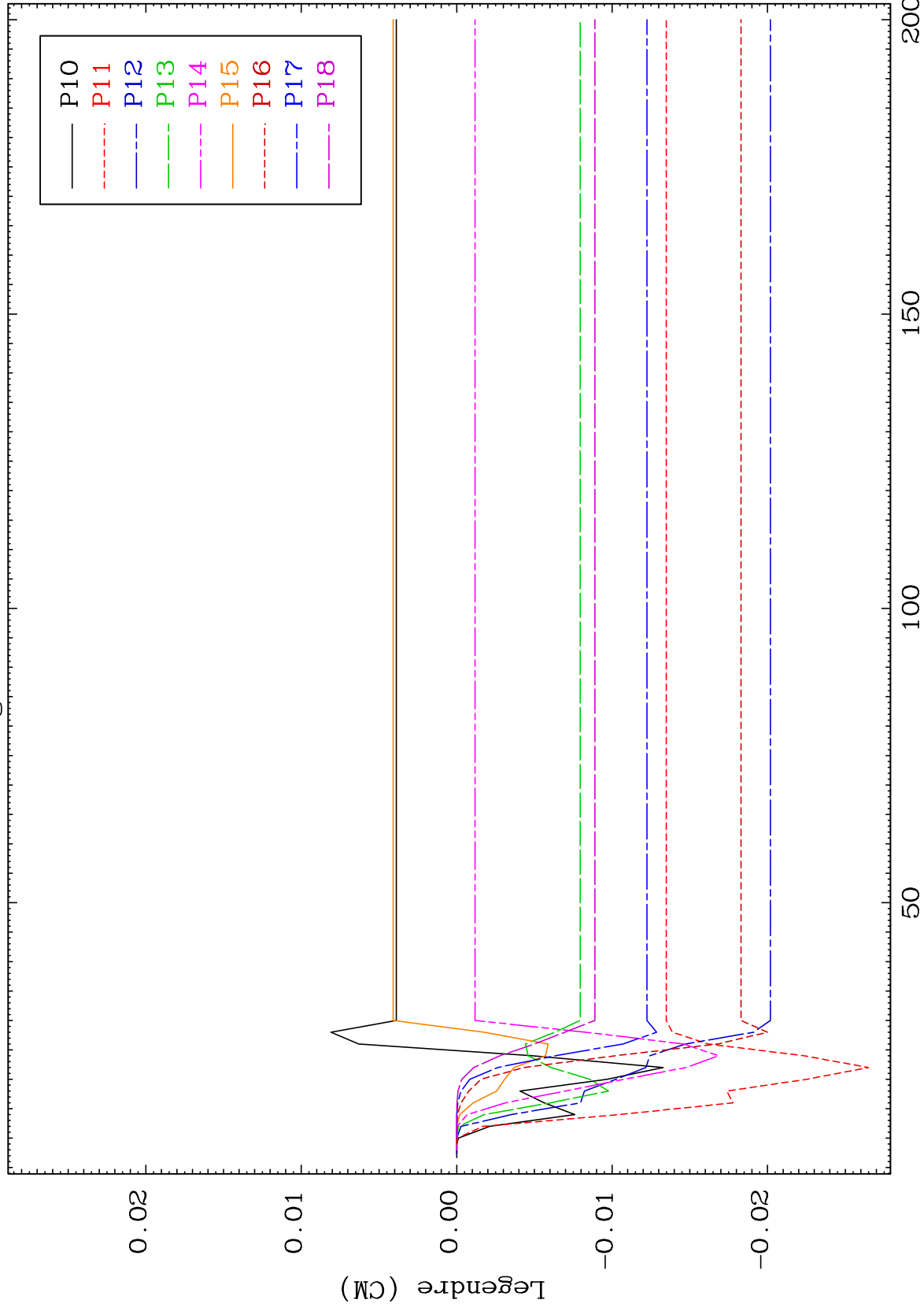
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 68 (n,n') Level  
Legendre Coefficients

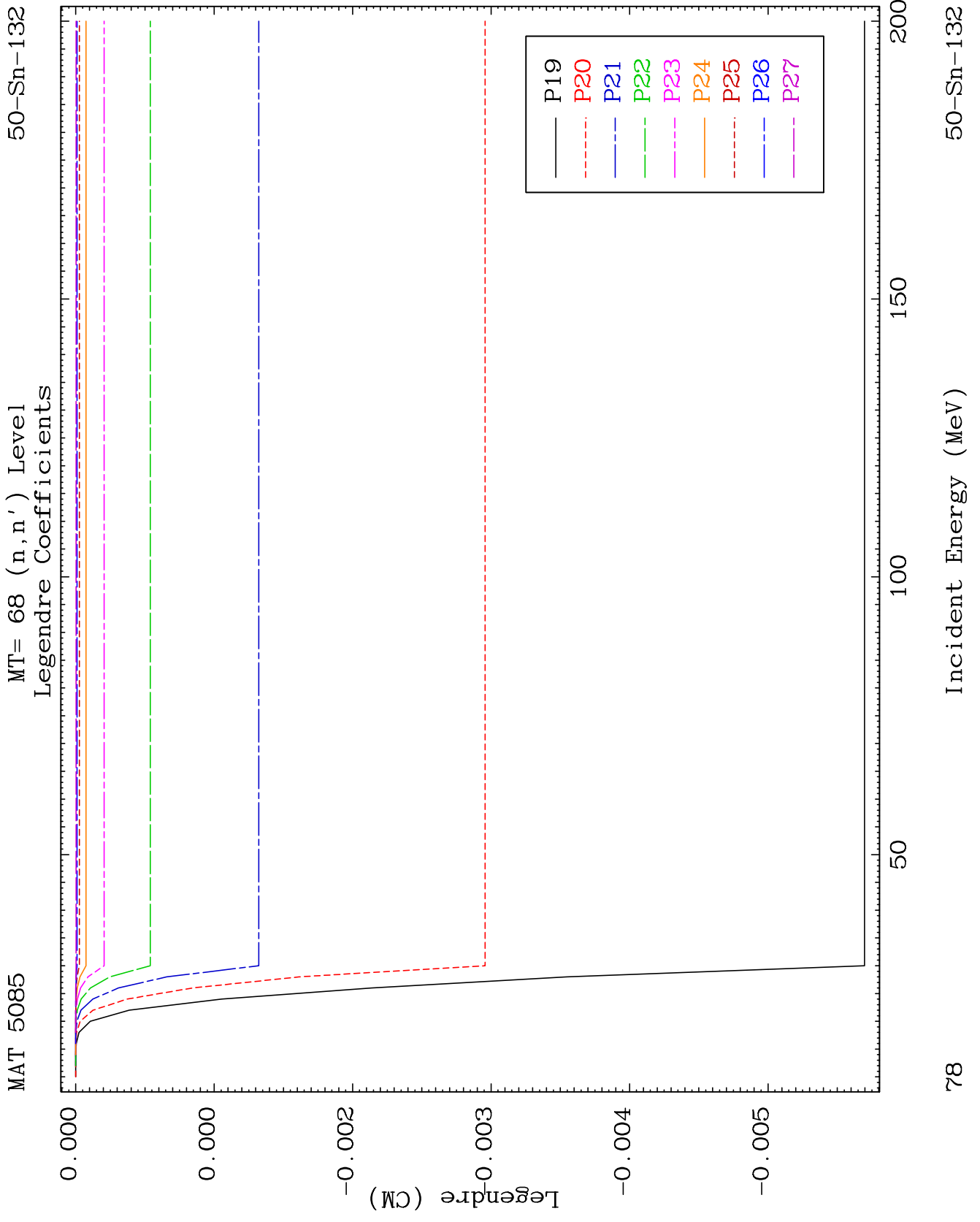
50-Sn-132

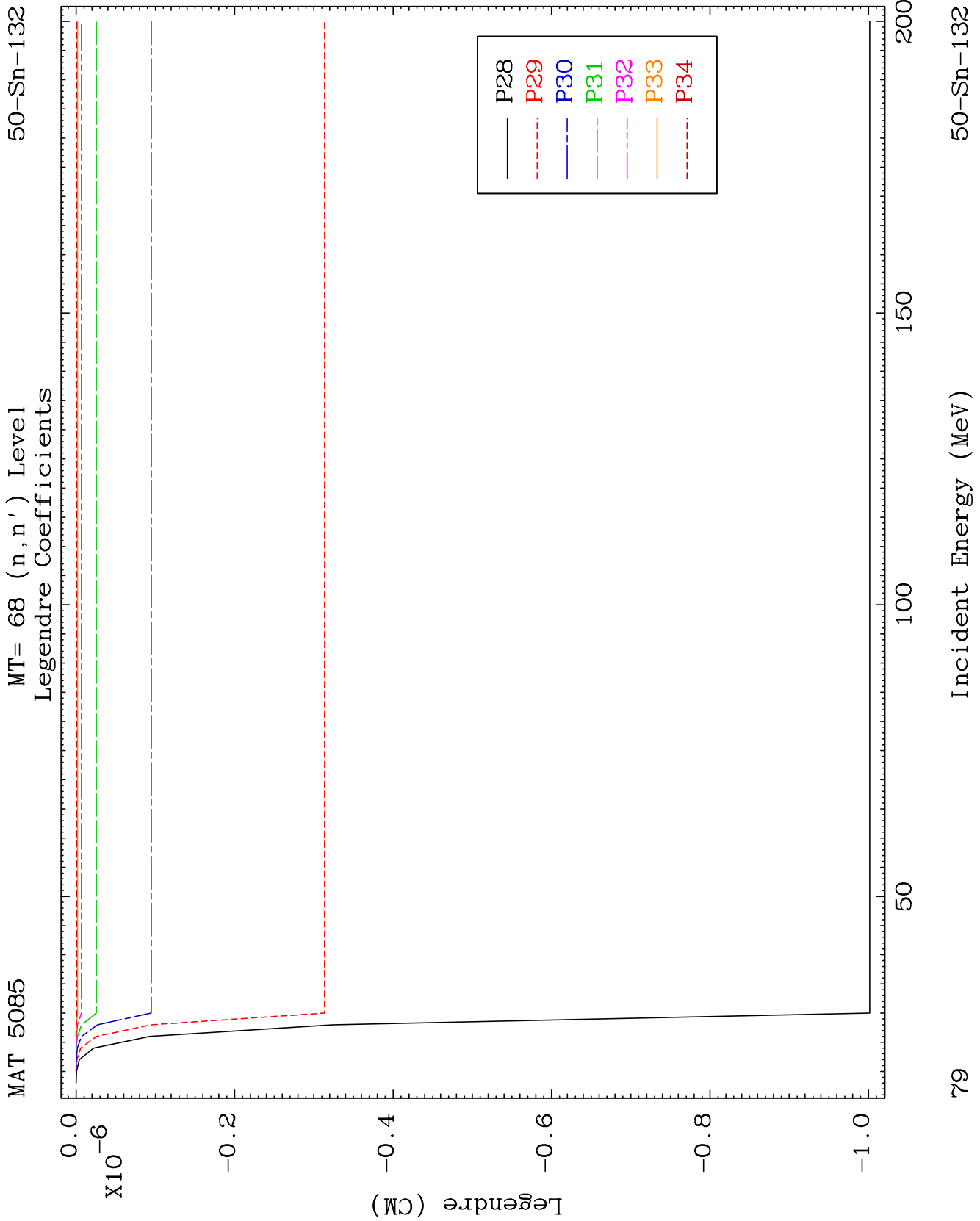


77

Incident Energy (MeV)

50-Sn-132

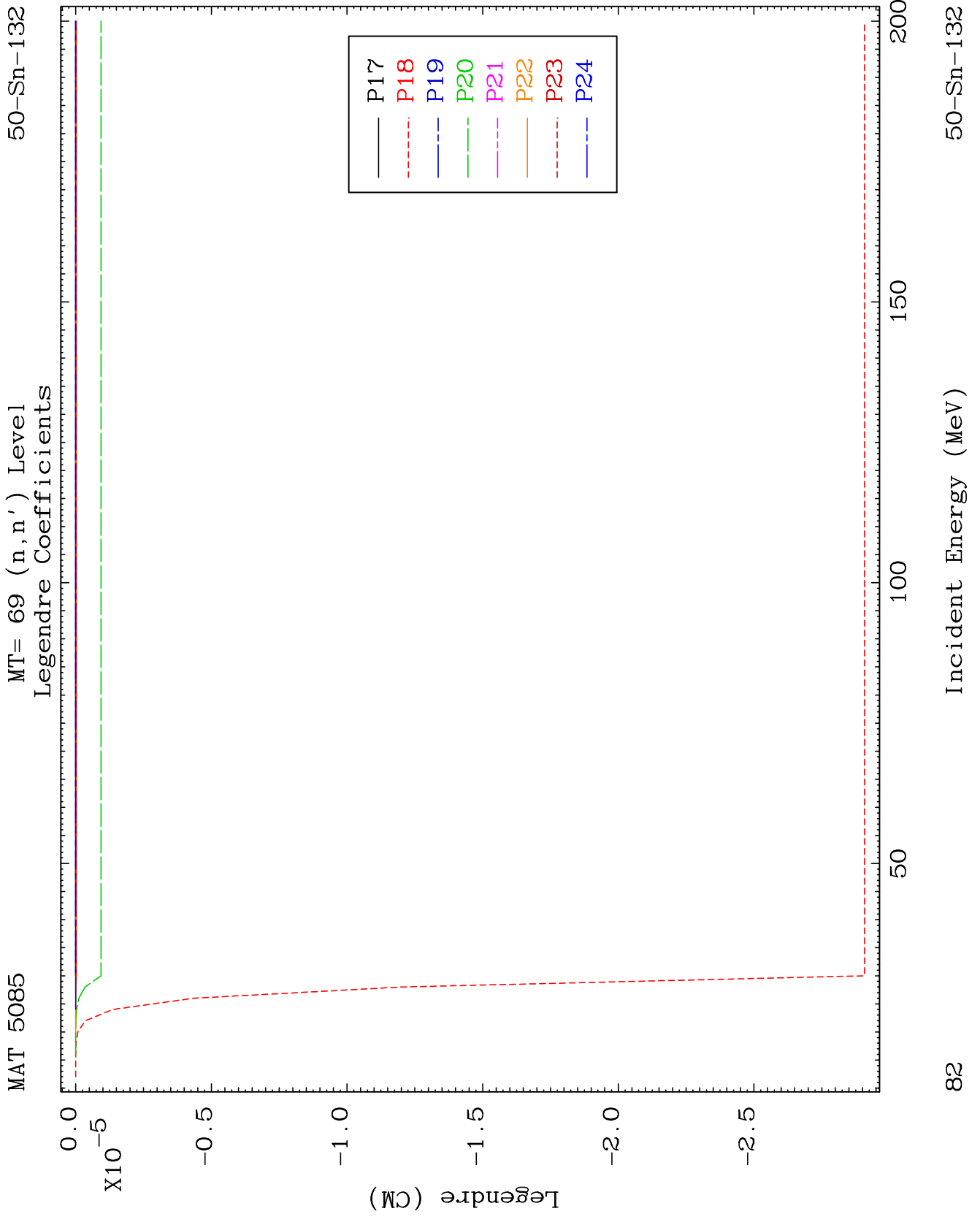


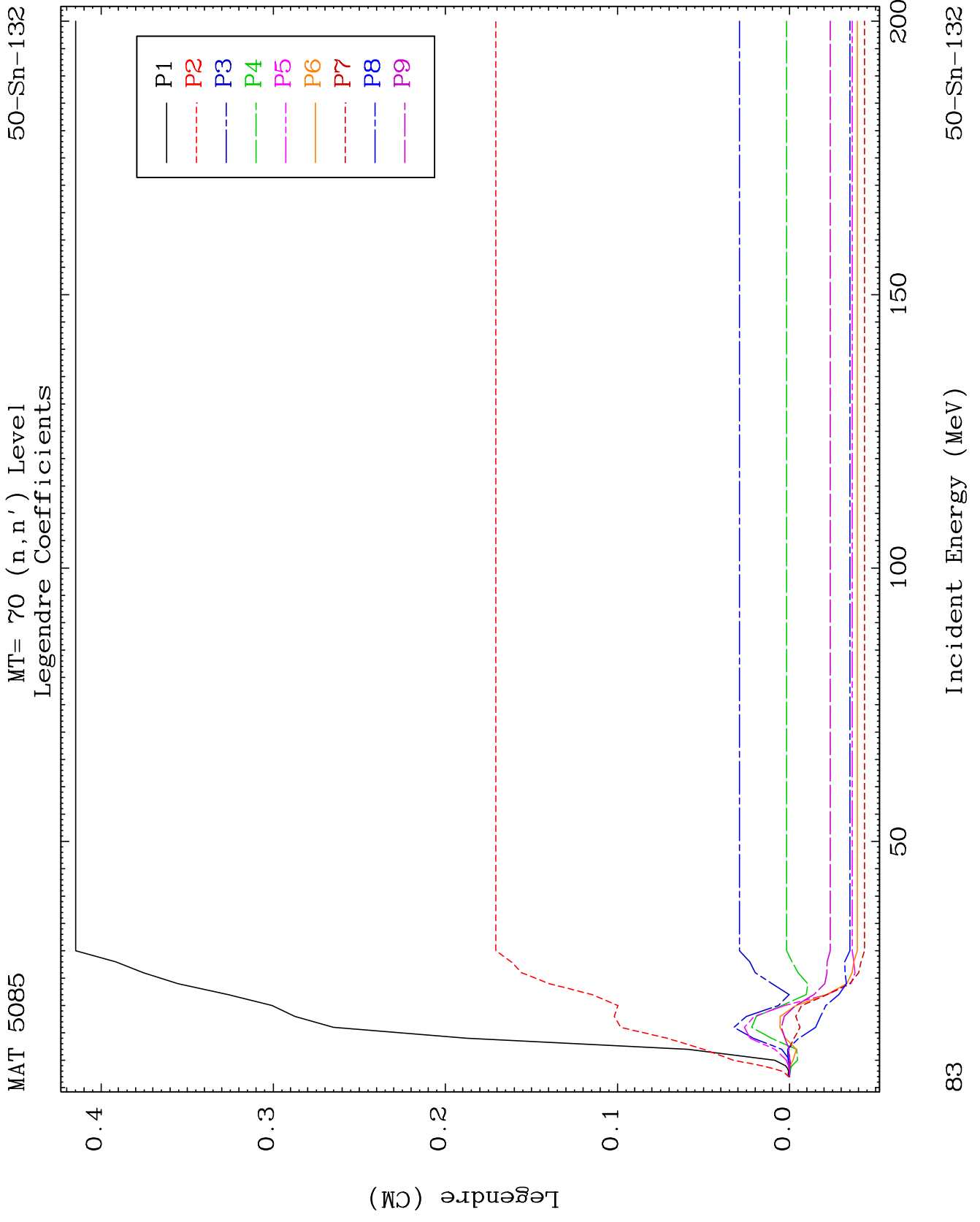


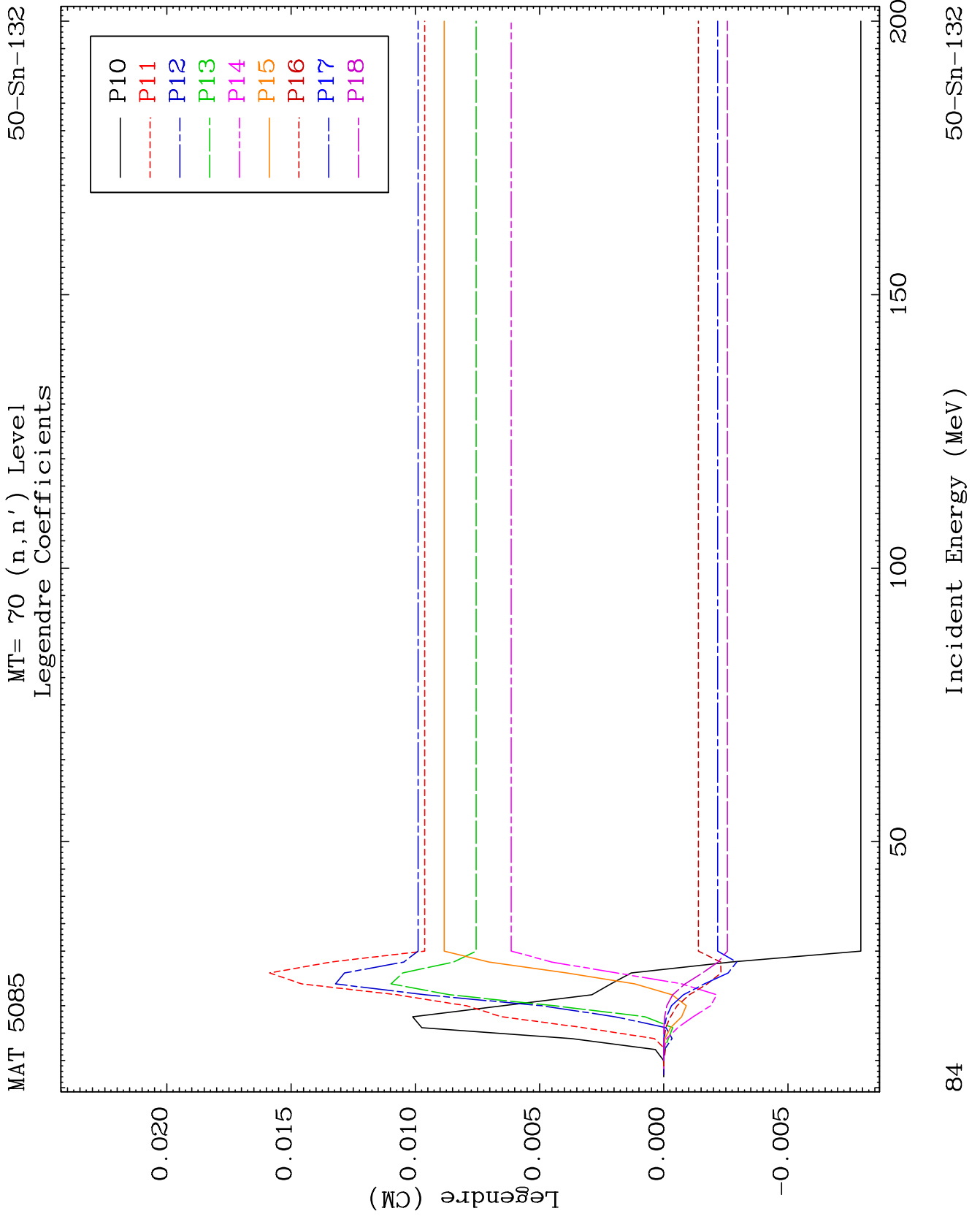


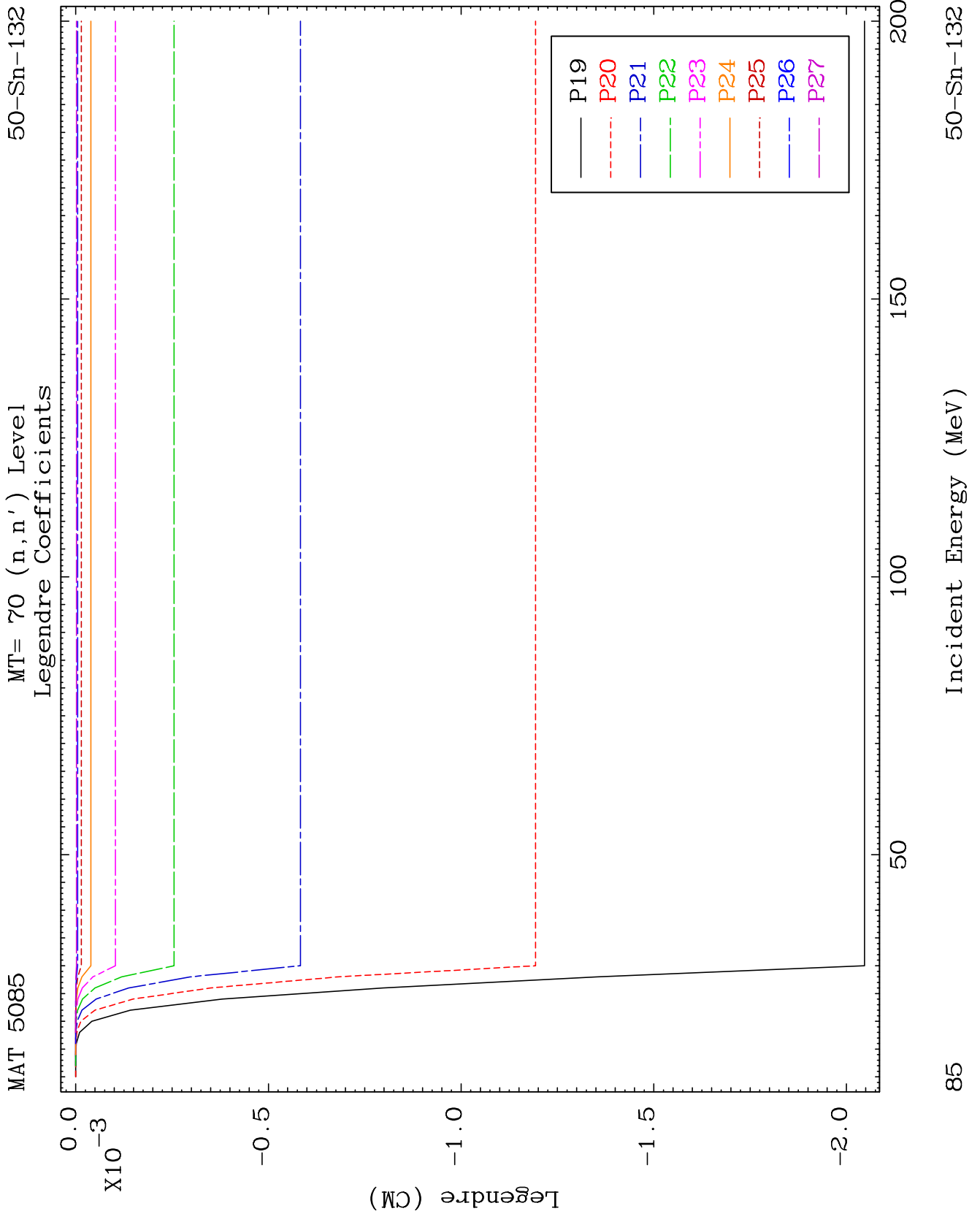


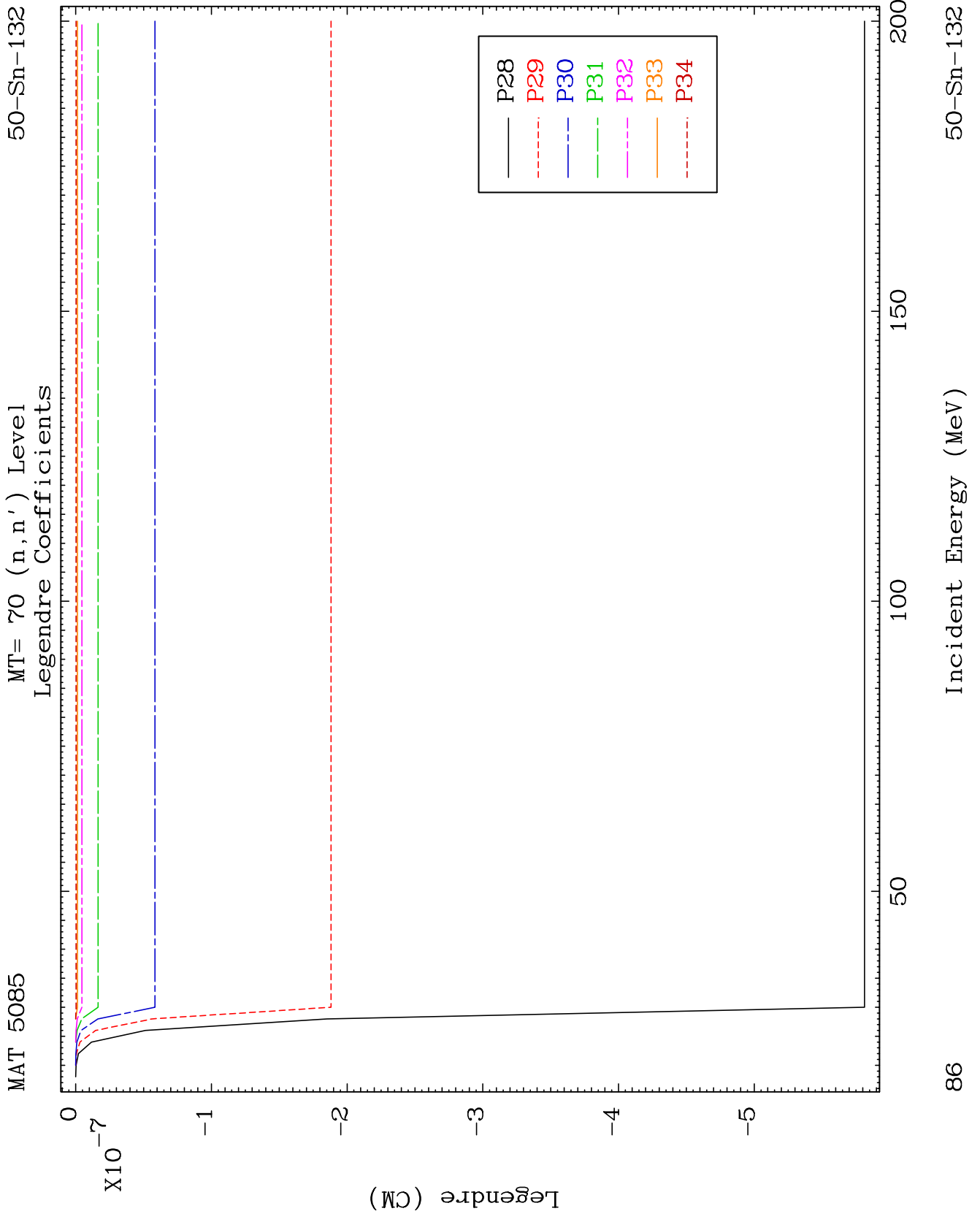








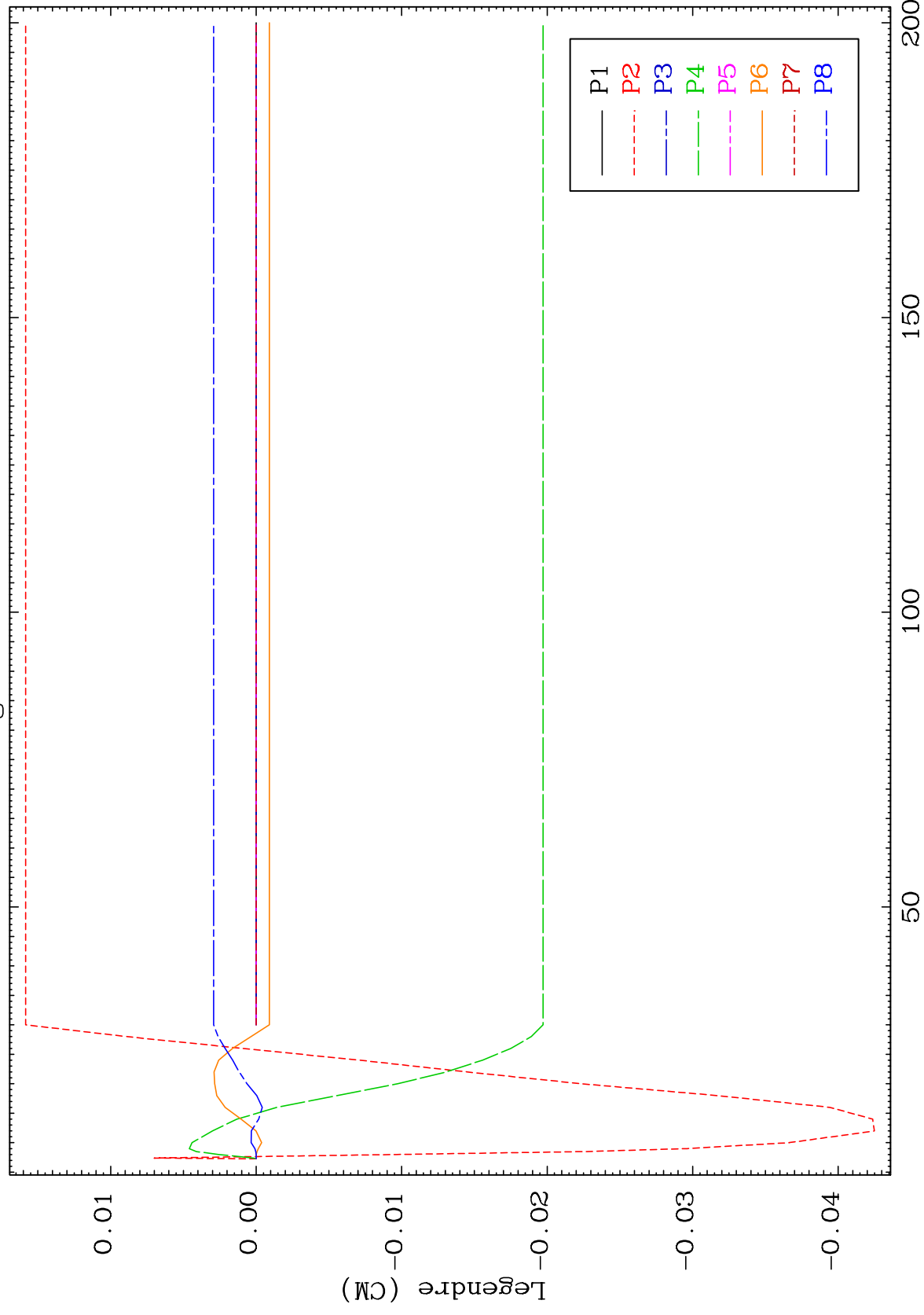




MAT 5085

MT= 71 (n,n') Level  
Legendre Coefficients

50-Sn-132

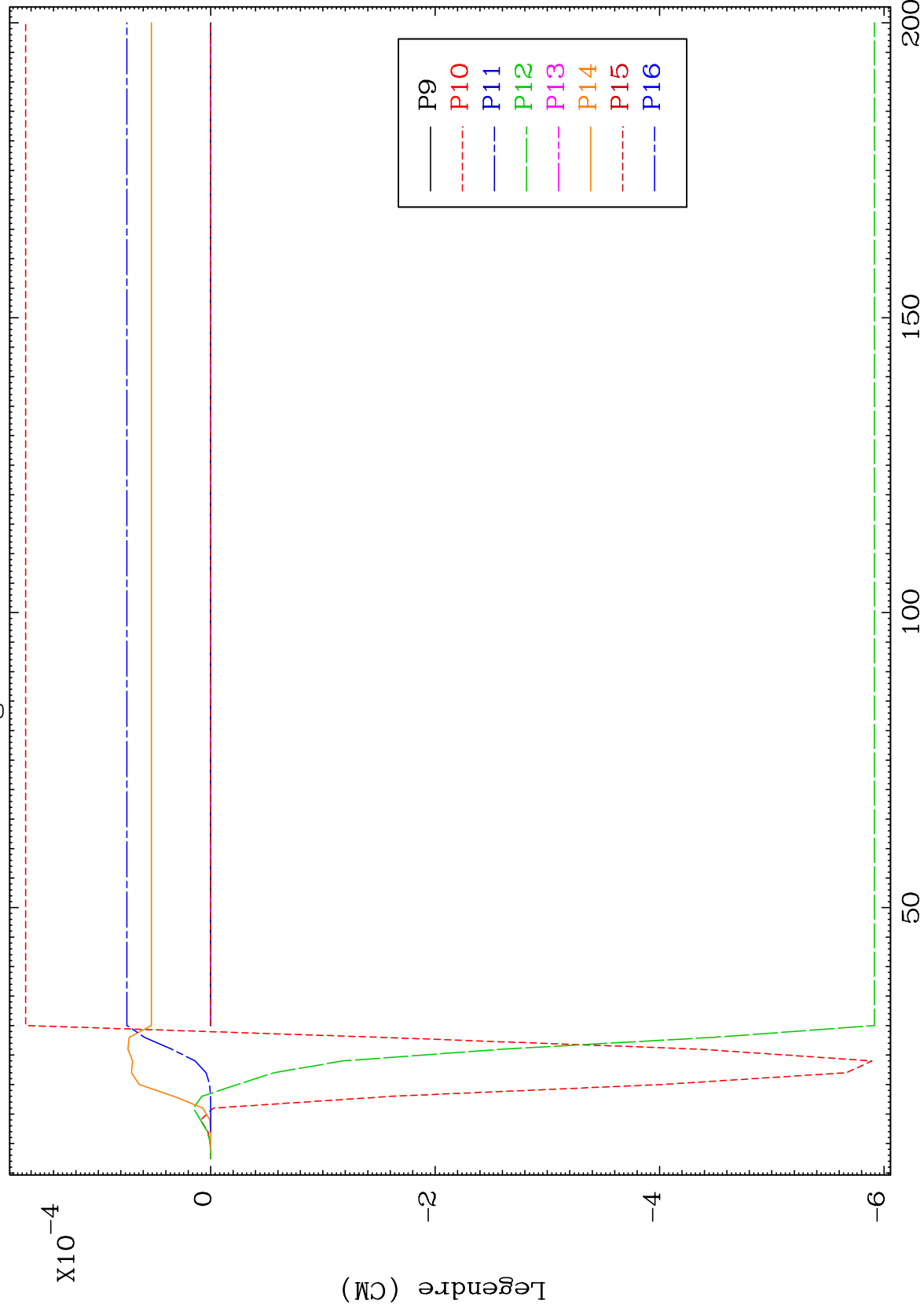




MAT 5085

MT= 71 (n,n') Level  
Legendre Coefficients

50-Sn-132



88

Incident Energy (MeV)

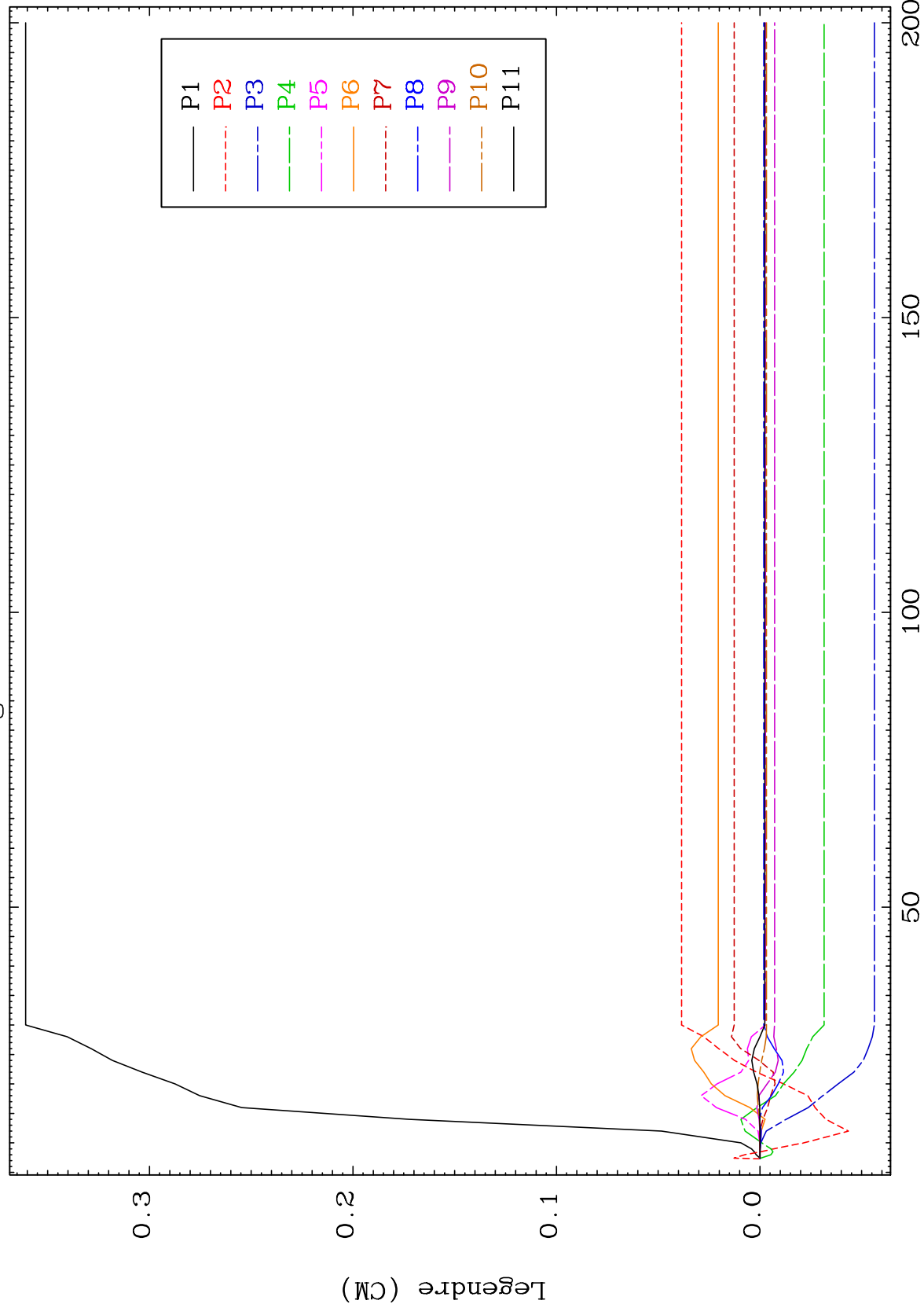
50-Sn-132



MAT 5085

MT= 72 (n,n') Level  
Legendre Coefficients

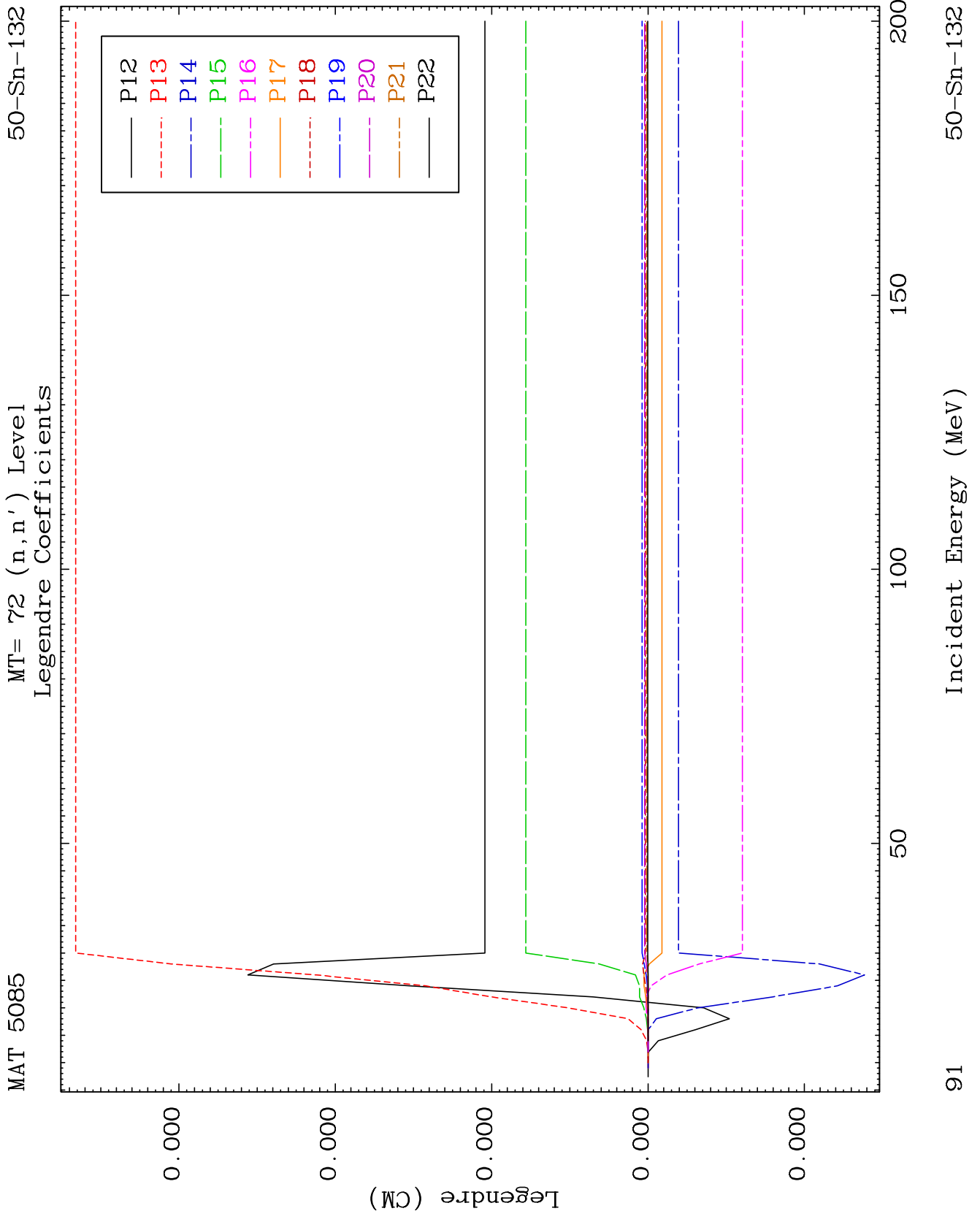
50-Sn-132



90

Incident Energy (MeV)

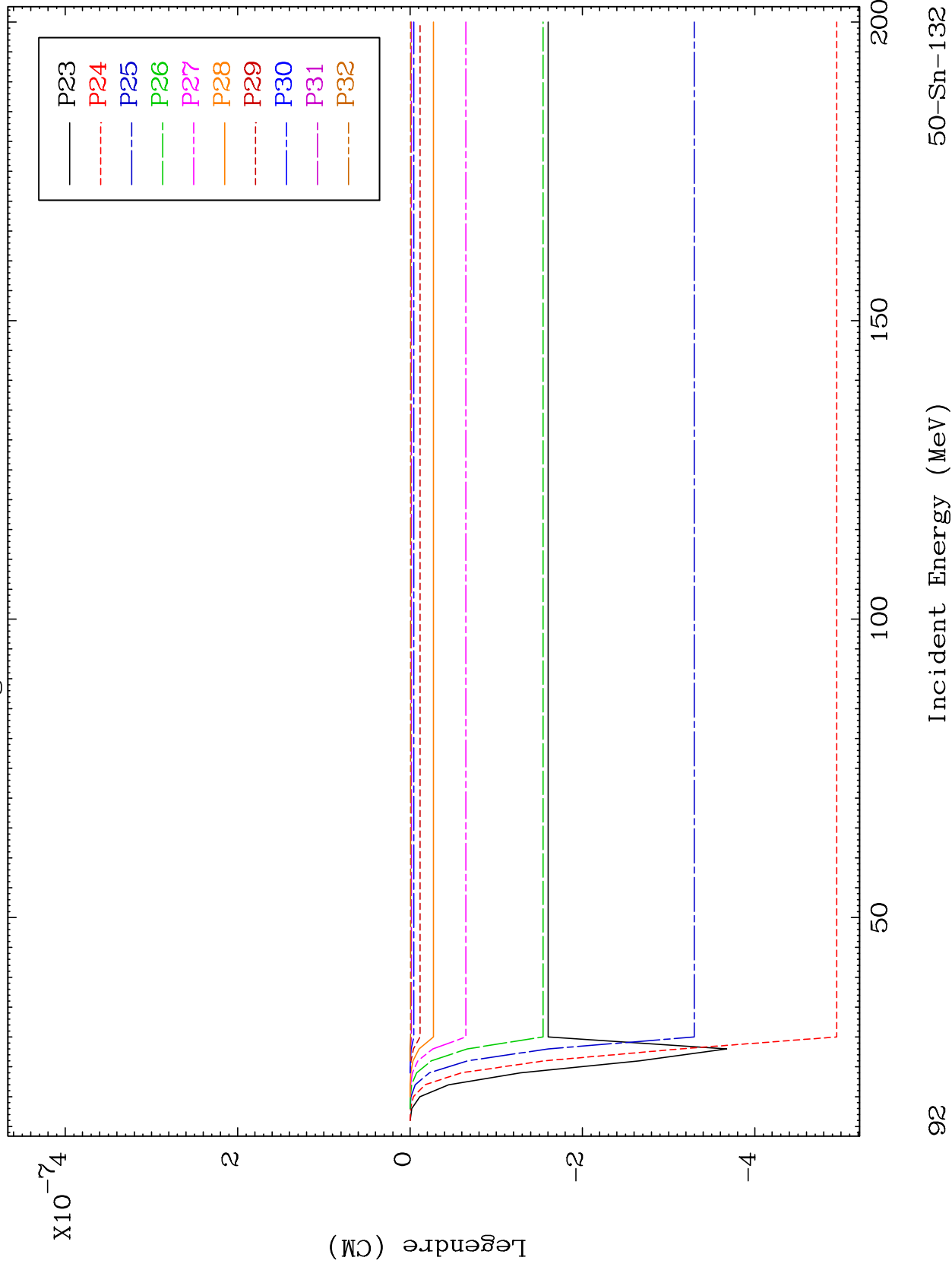
50-Sn-132



MAT 5085

MT= 72 (n,n') Level  
Legendre Coefficients

50-Sn-132



92

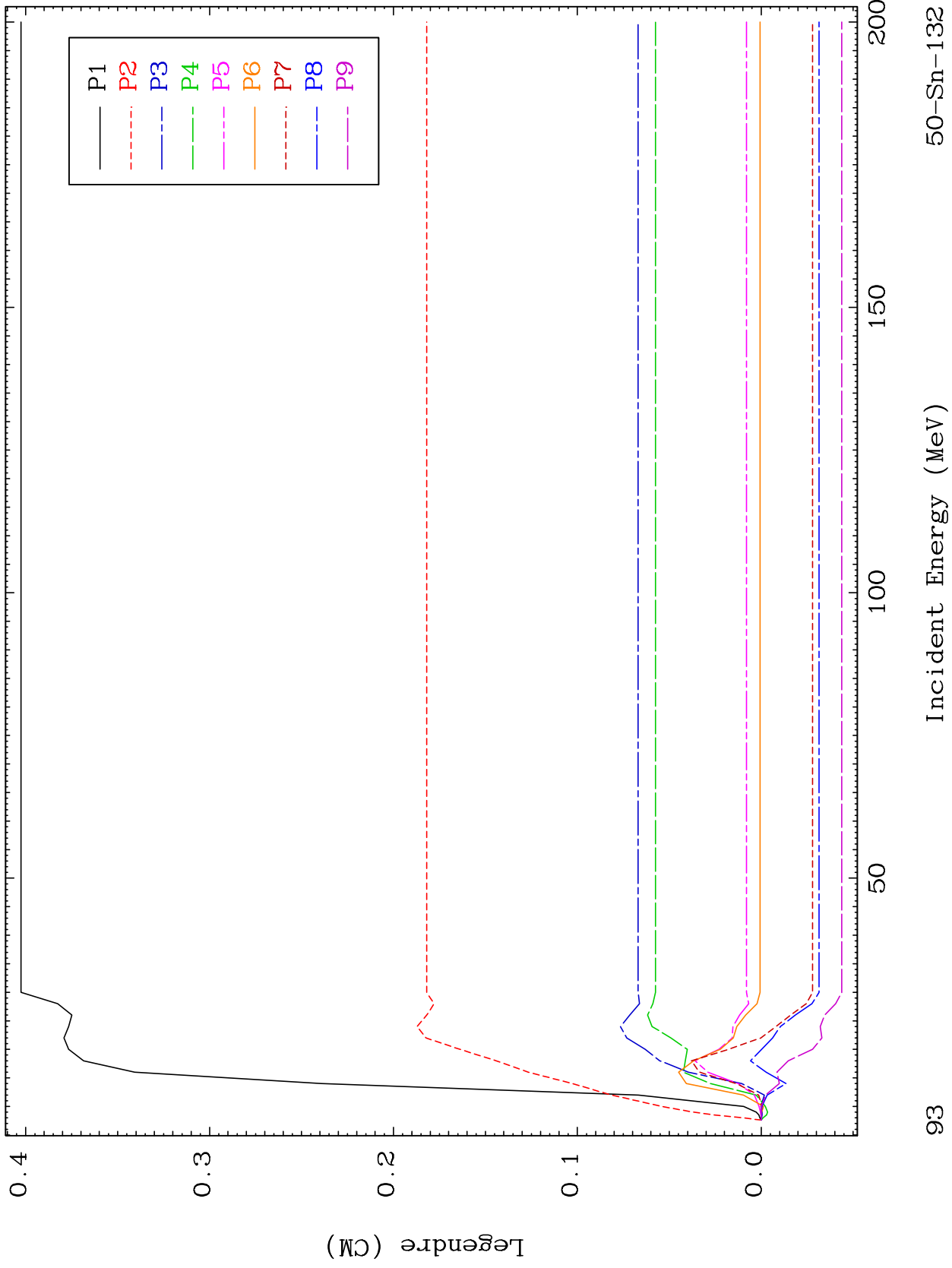
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 73 (n,n') Level  
Legendre Coefficients

50-Sn-132



93

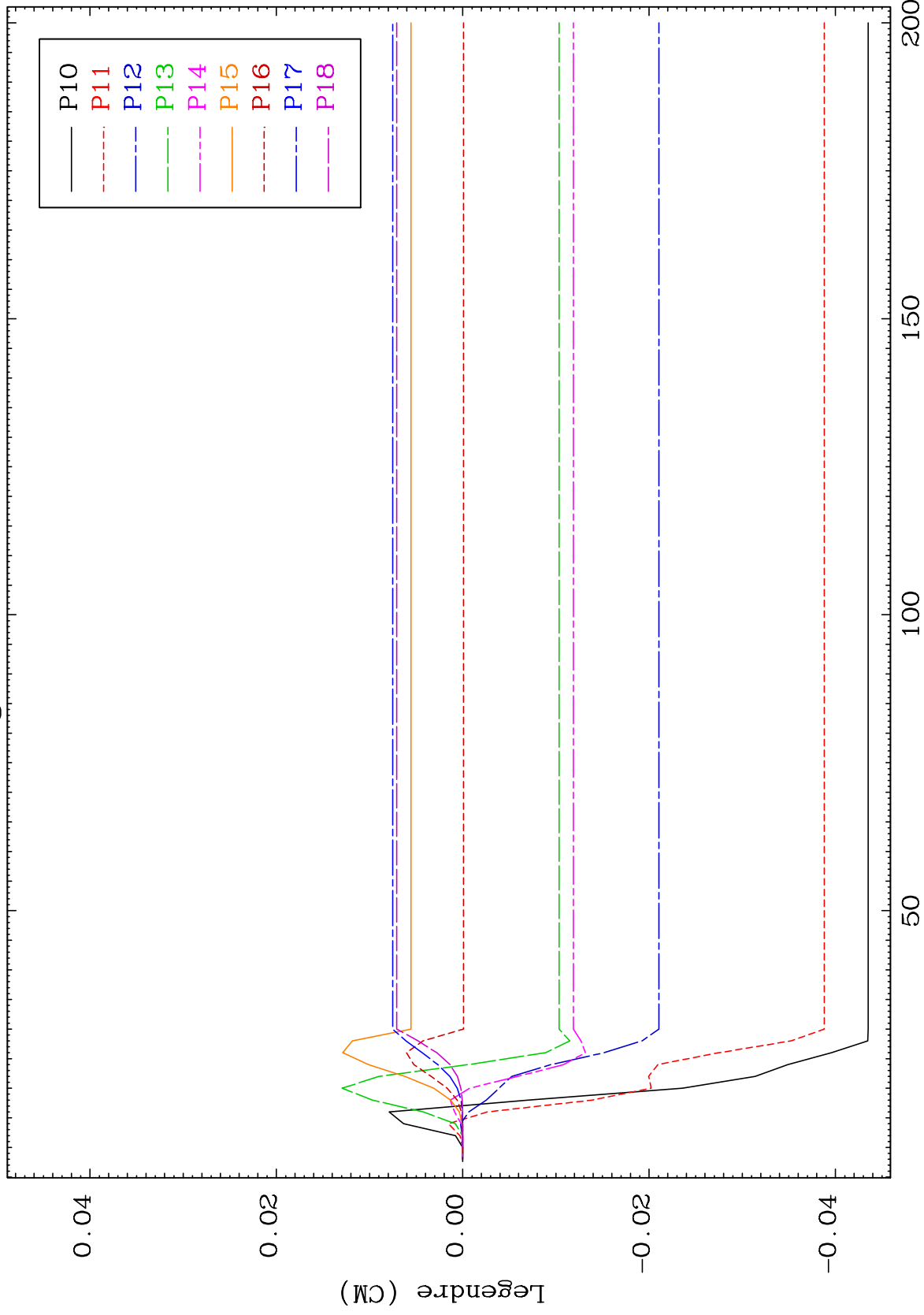
Incident Energy (MeV)

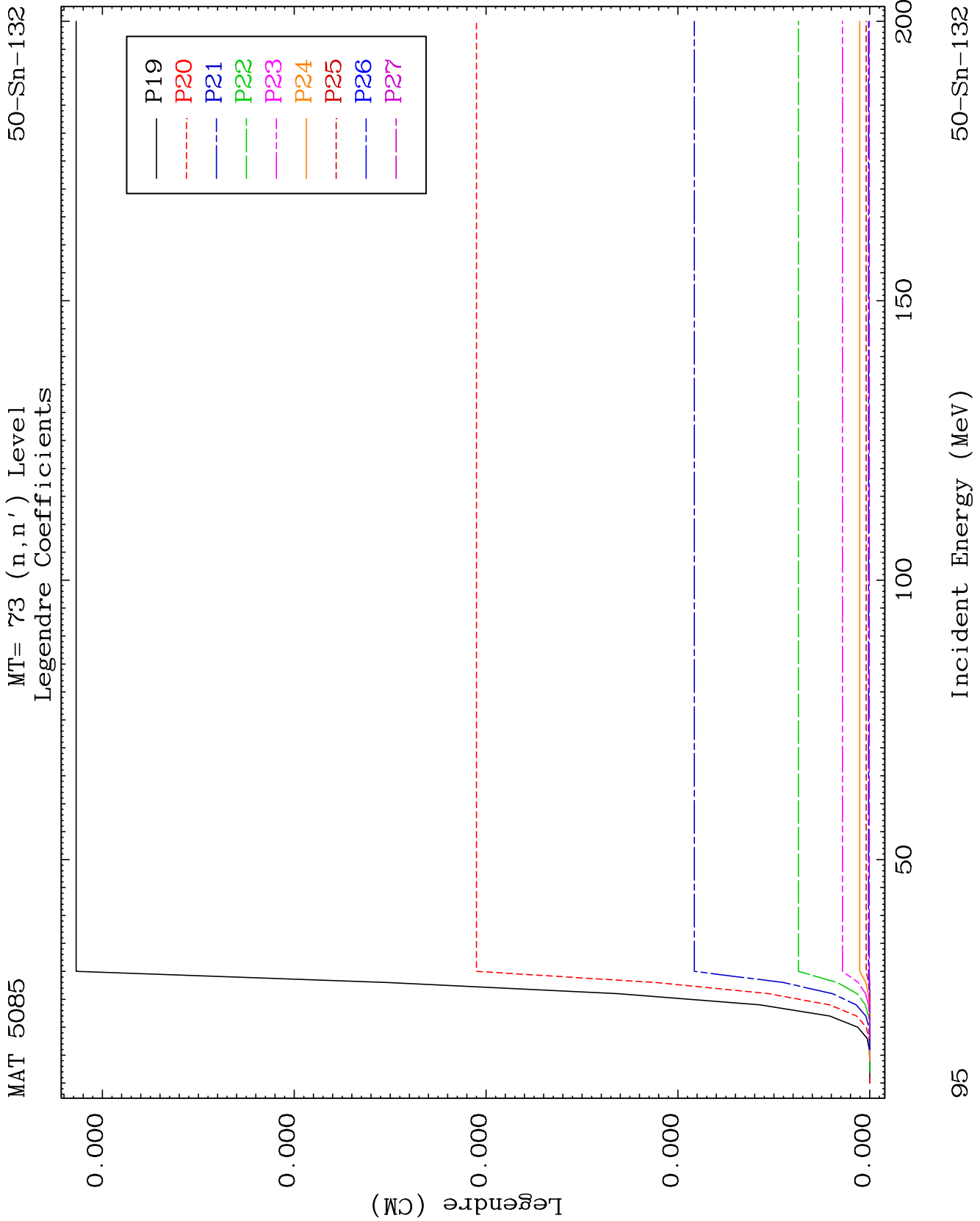
50-Sn-132

MAT 5085

MT= 73 (n,n') Level  
Legendre Coefficients

50-Sn-132



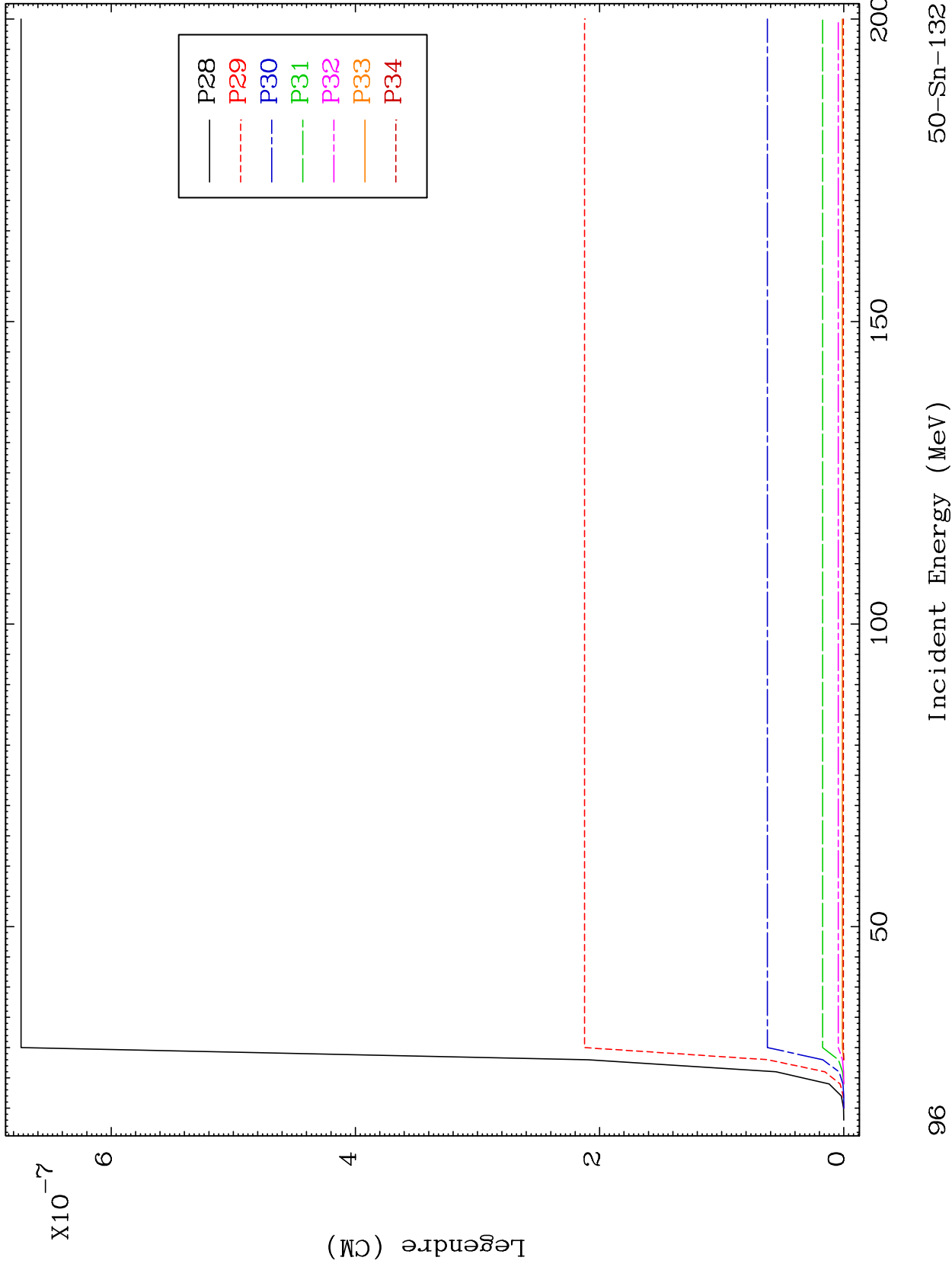




MAT 5085

MT= 73 (n,n') Level  
Legendre Coefficients

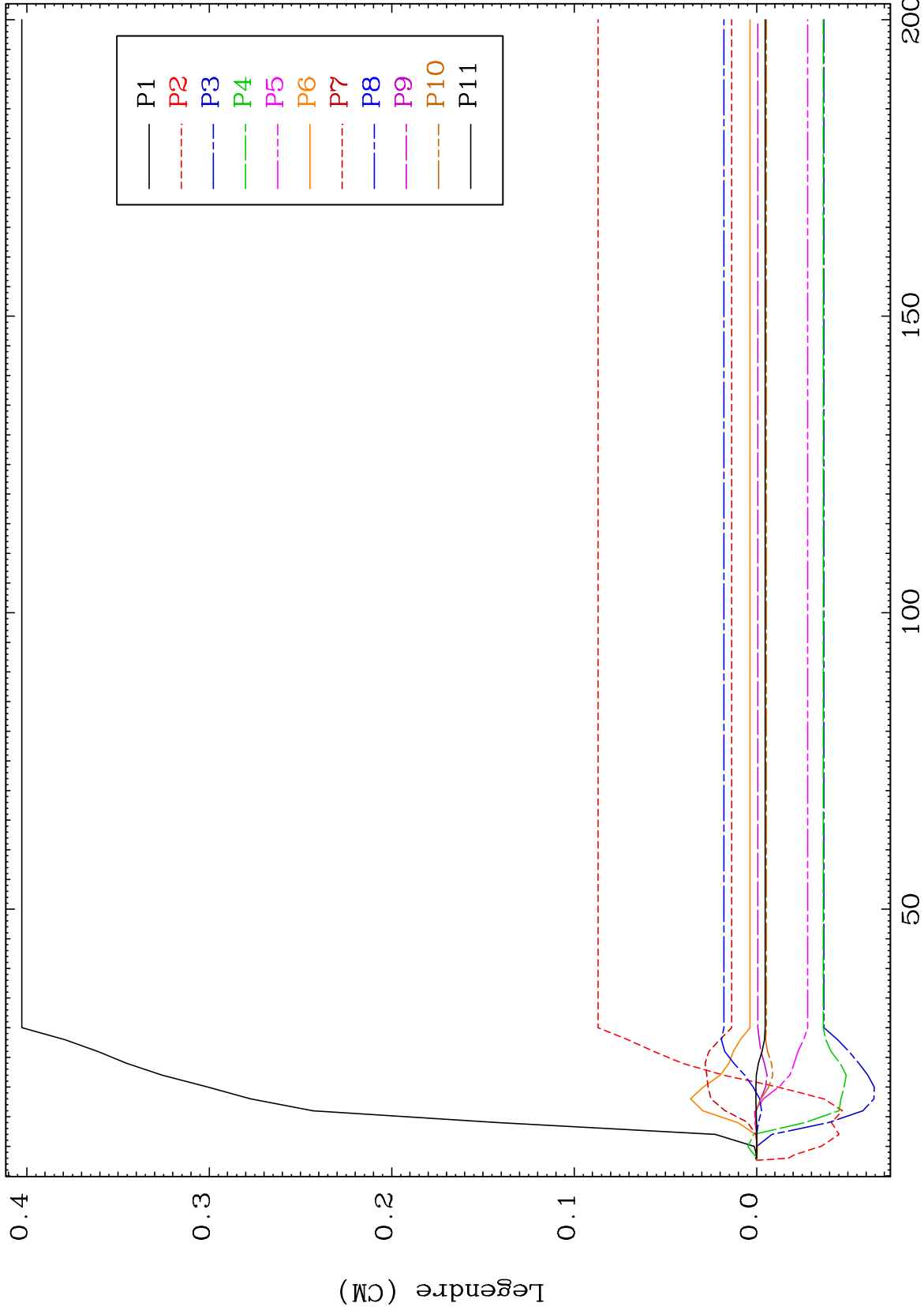
50-Sn-132



MAT 5085

MT= 74 (n,n') Level  
Legendre Coefficients

50-Sn-132



97

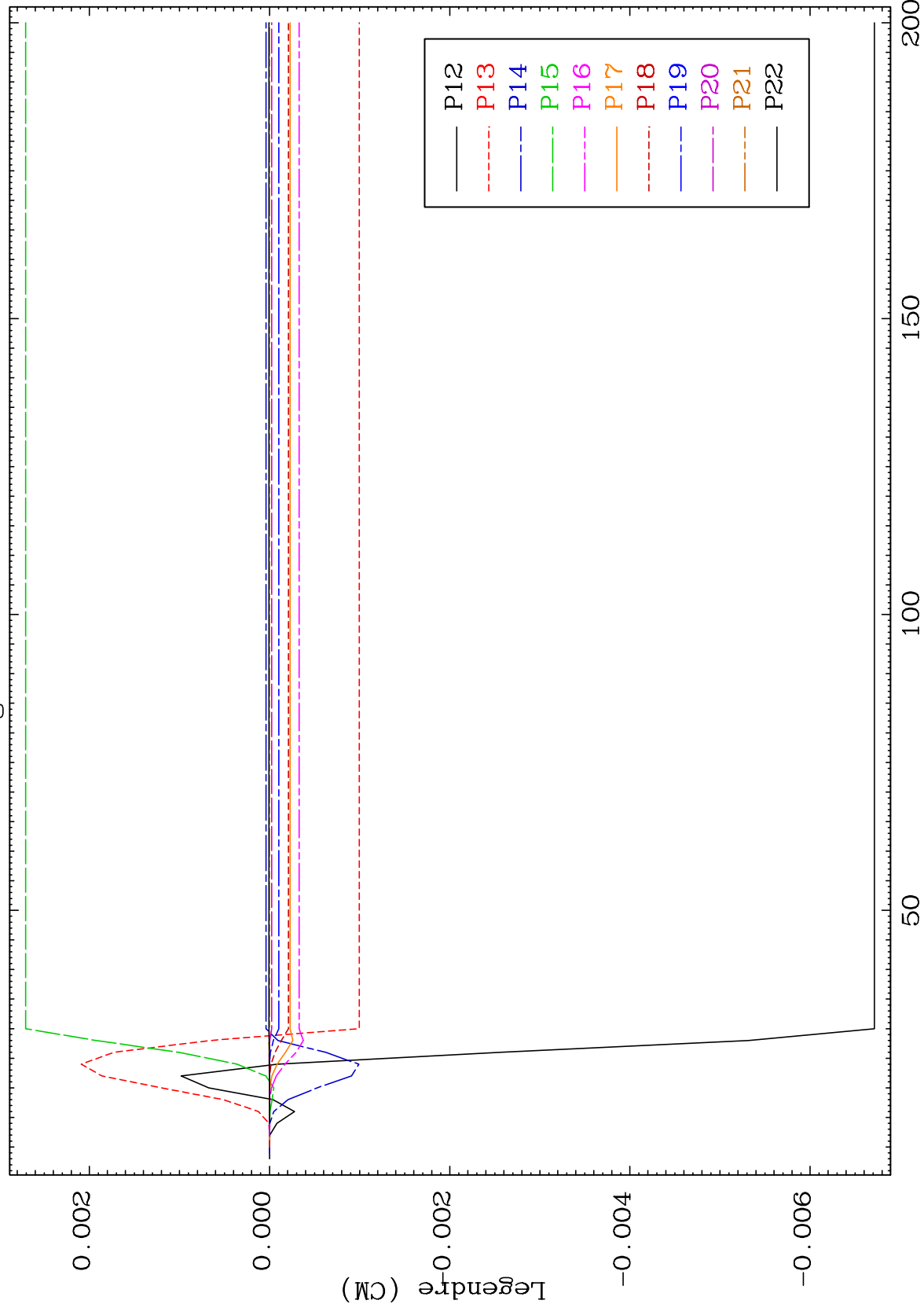
Incident Energy (MeV)

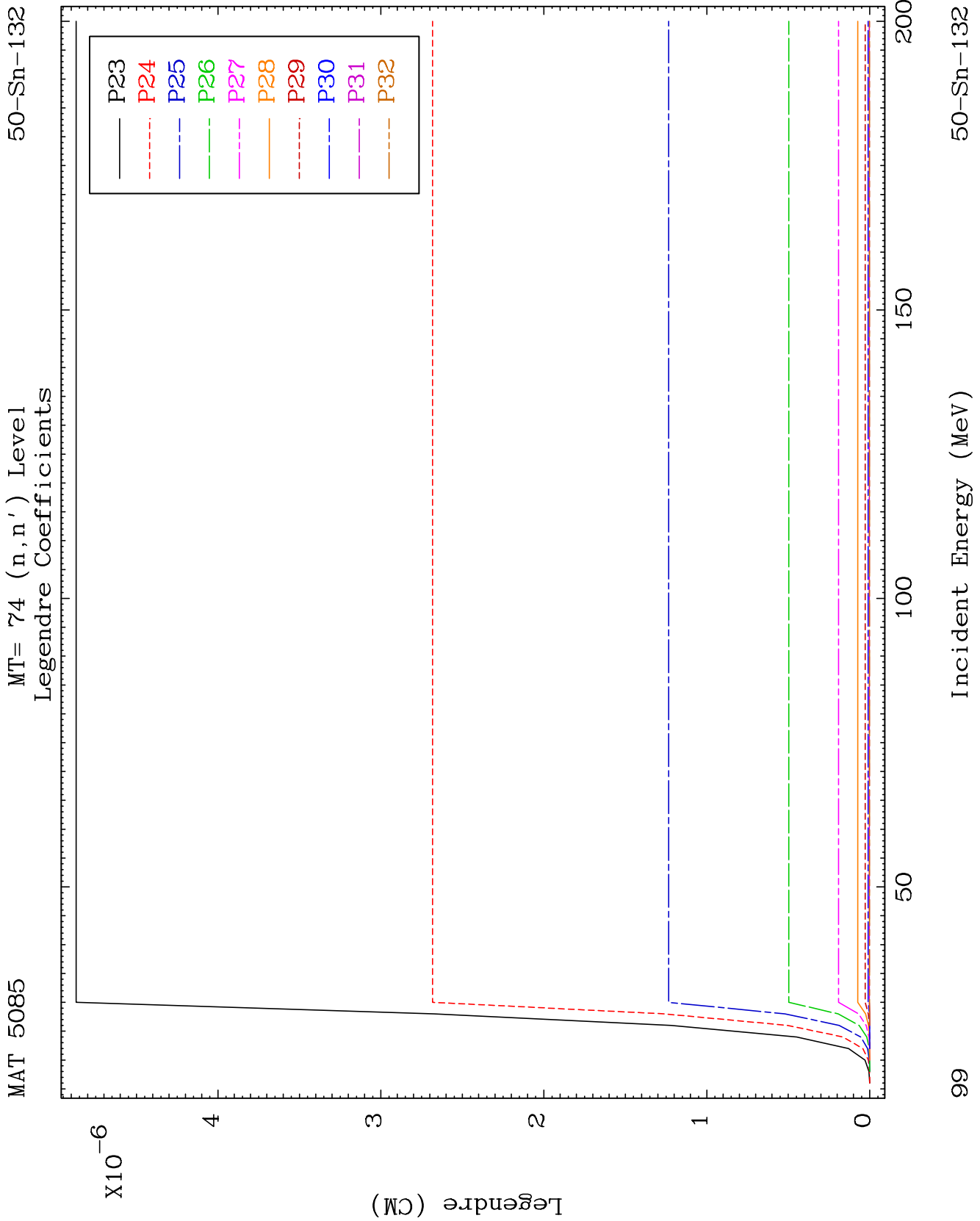
50-Sn-132

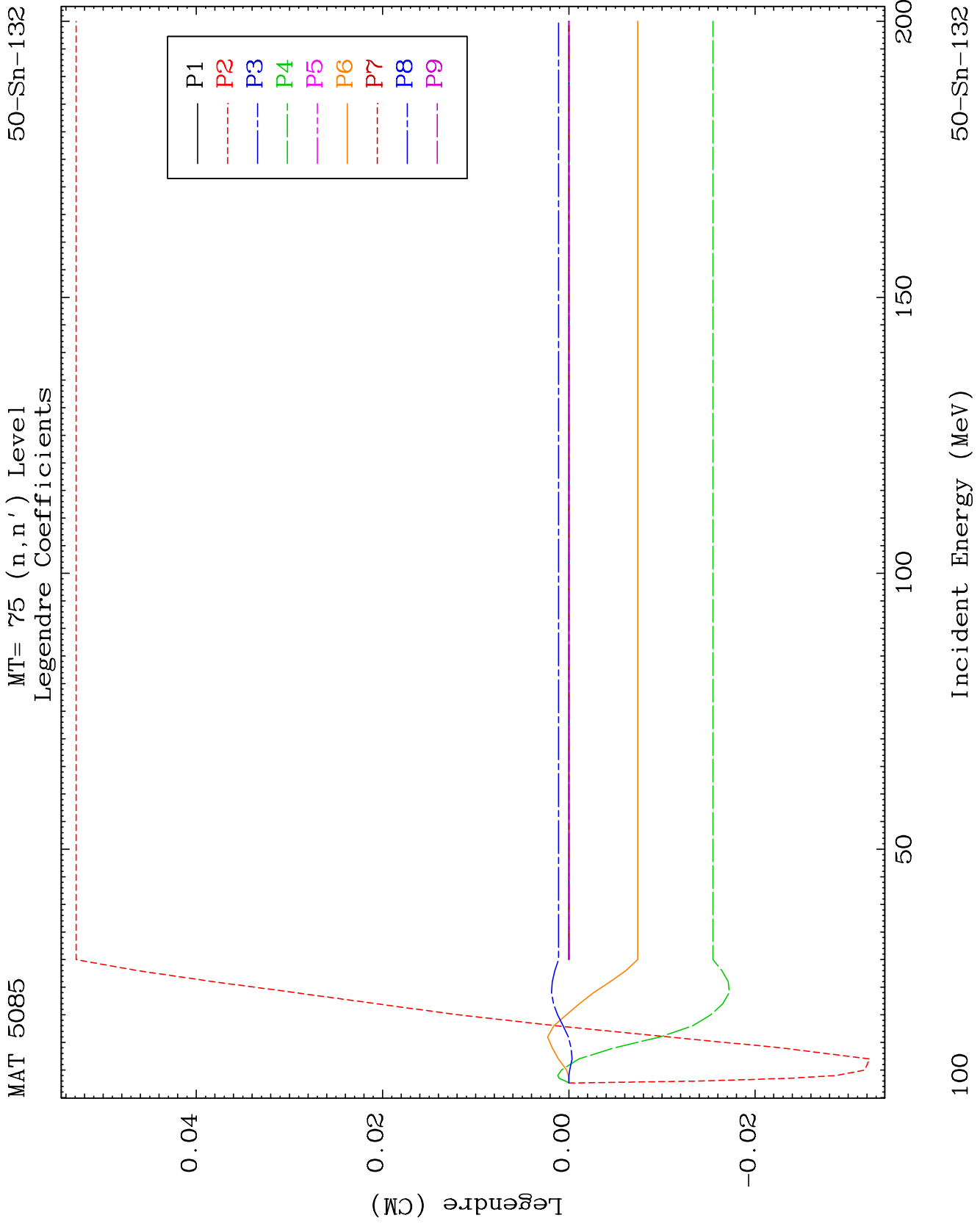
MAT 5085

MT= 74 (n,n') Level  
Legendre Coefficients

50-Sn-132



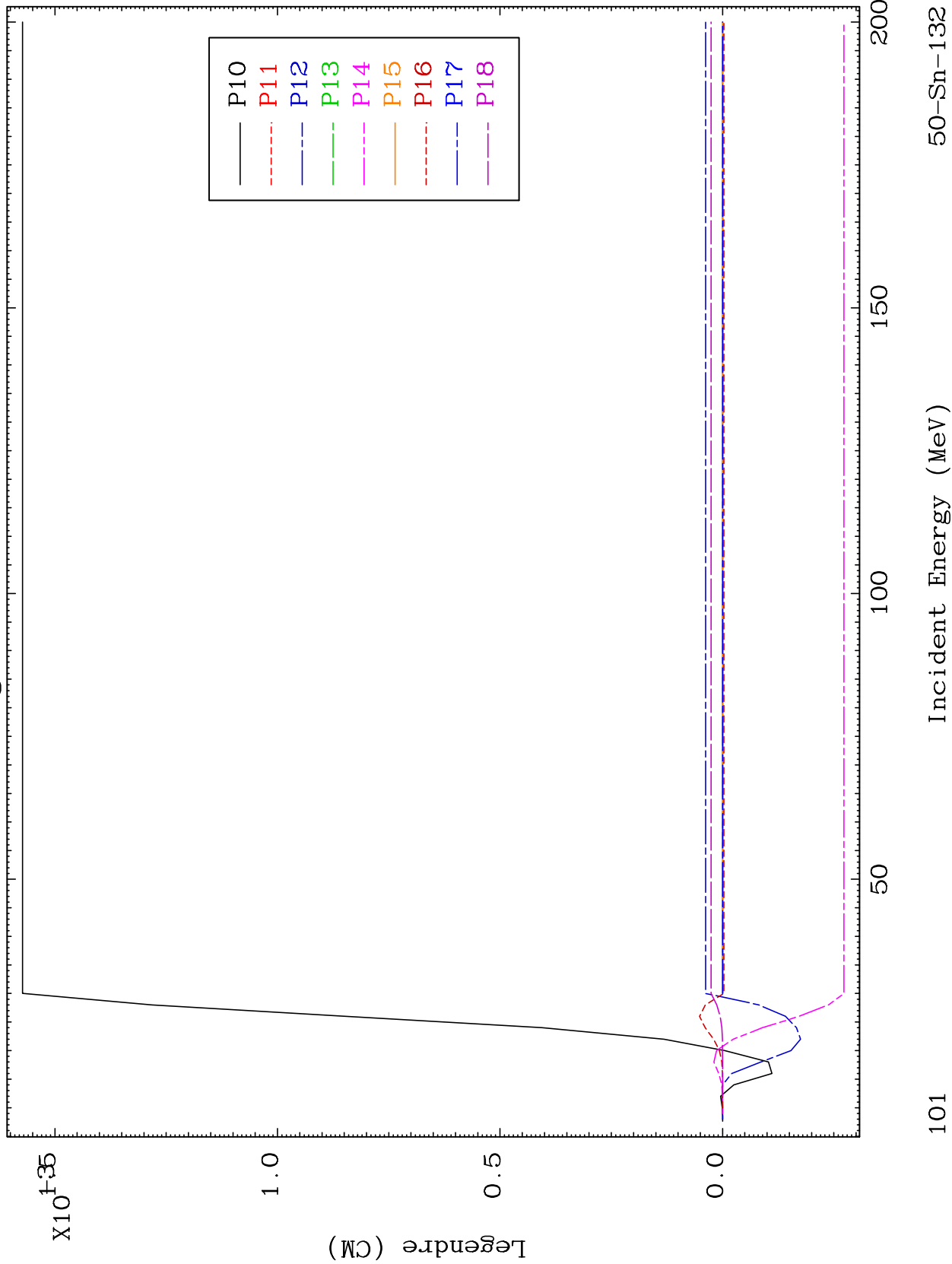




MAT 5085

MT= 75 (n,n') Level  
Legendre Coefficients

50-Sn-132



101

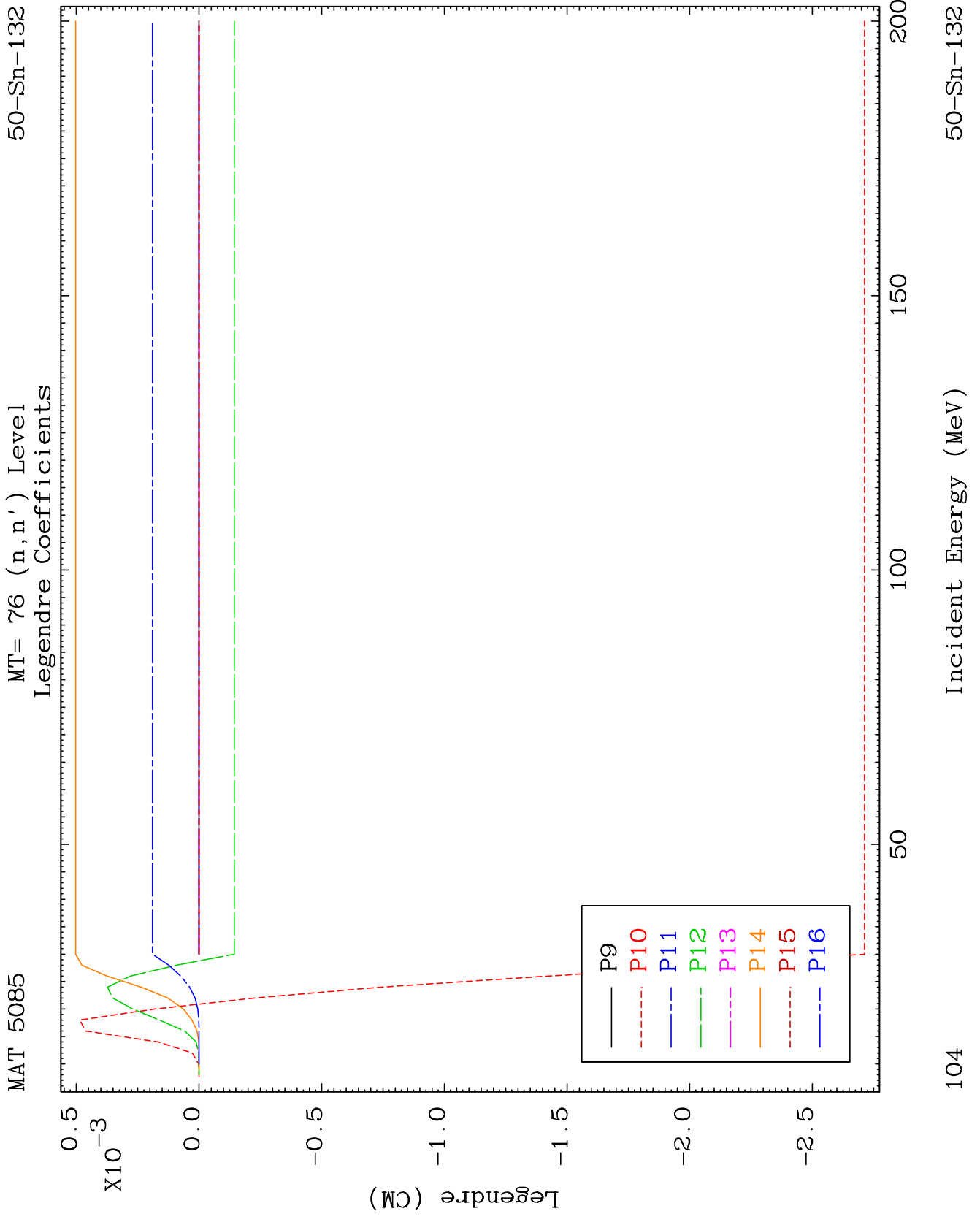
Incident Energy (MeV)

50-Sn-132







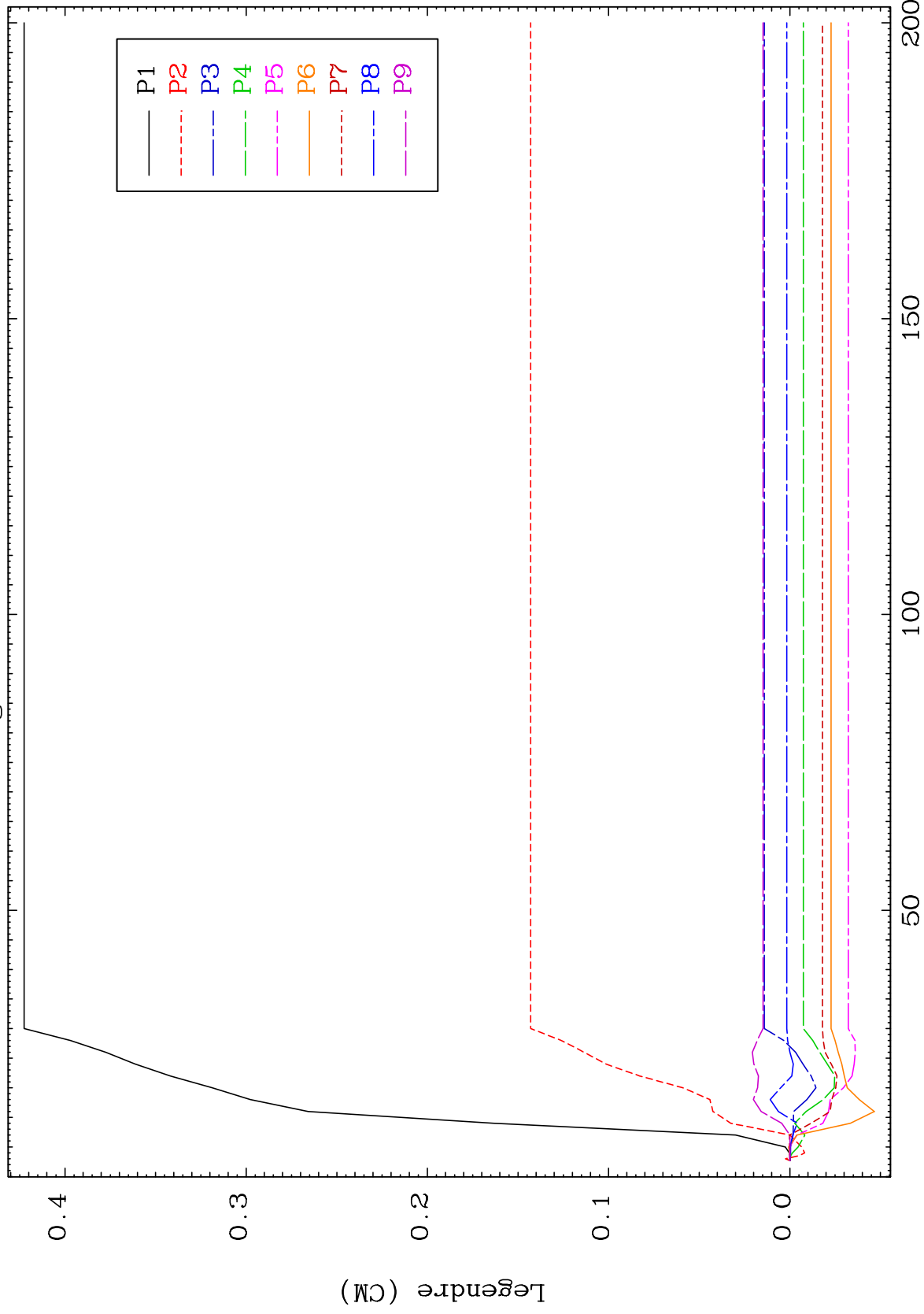




MAT 5085

MT= 77 (n,n') Level  
Legendre Coefficients

50-Sn-132



106

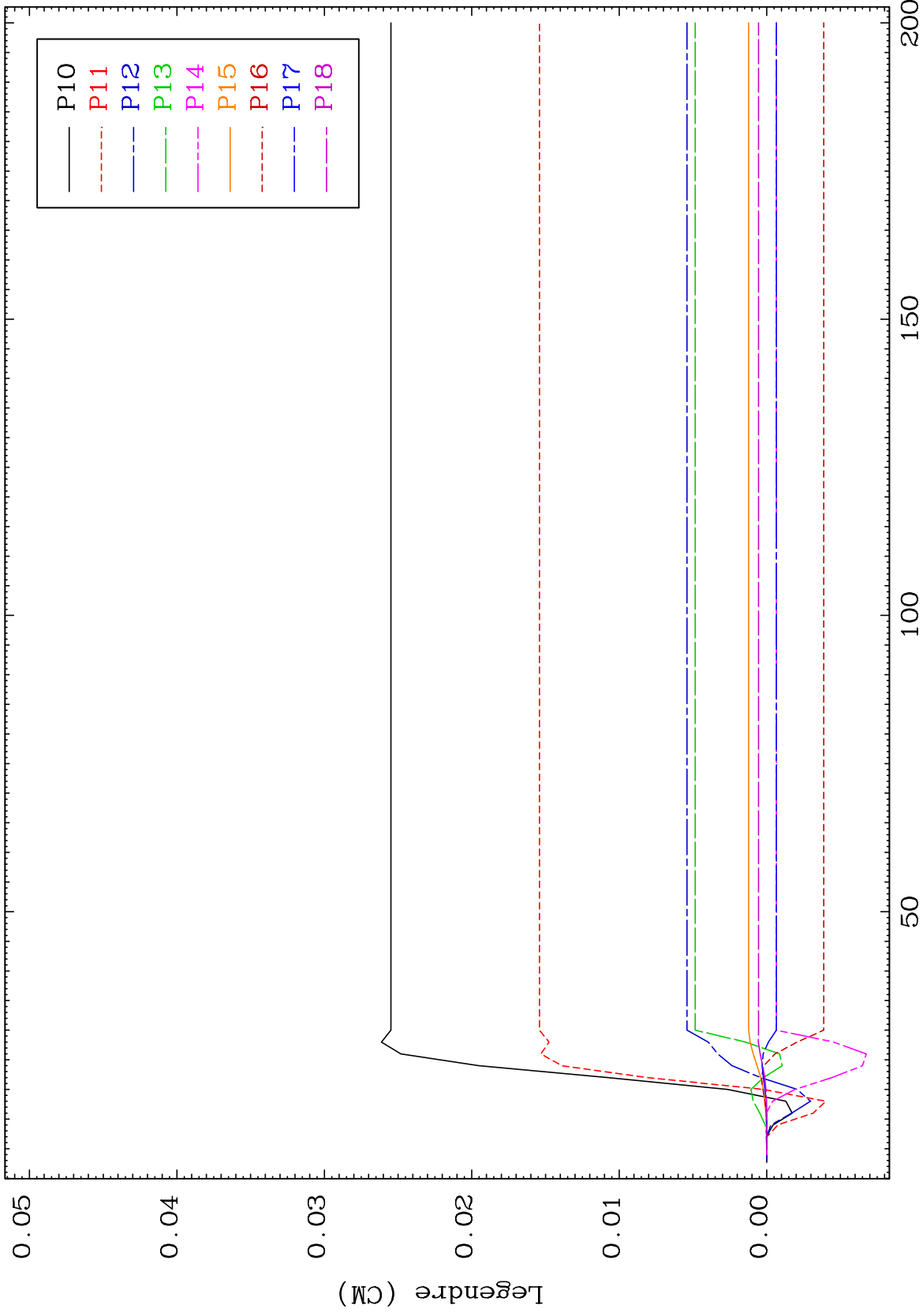
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 77 (n,n') Level  
Legendre Coefficients

50-Sn-132



107

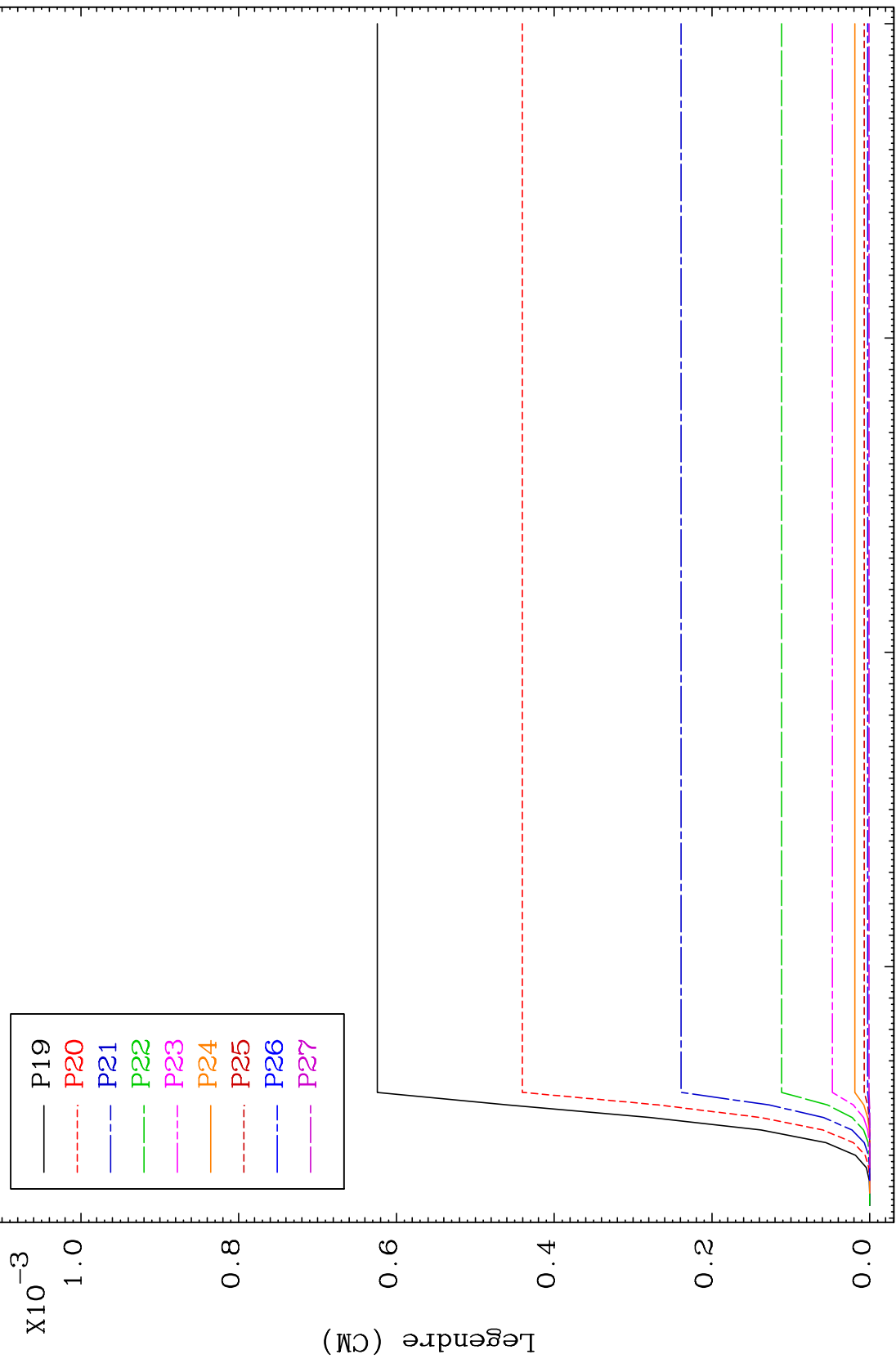
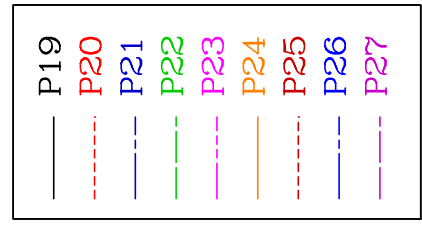
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 77 (n,n') Level  
Legendre Coefficients

50-Sn-132



108

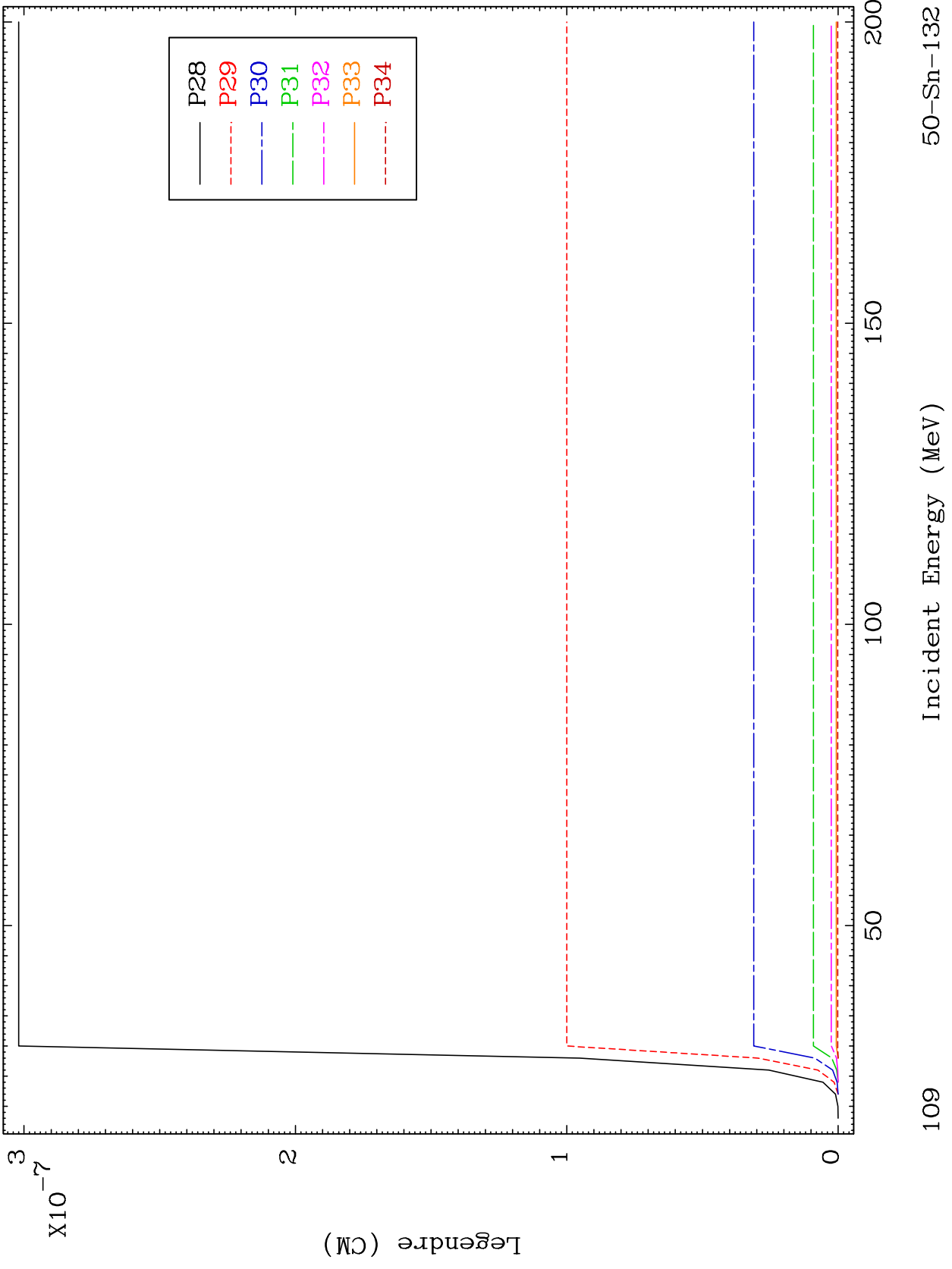
Incident Energy (MeV)

50-Sn-132

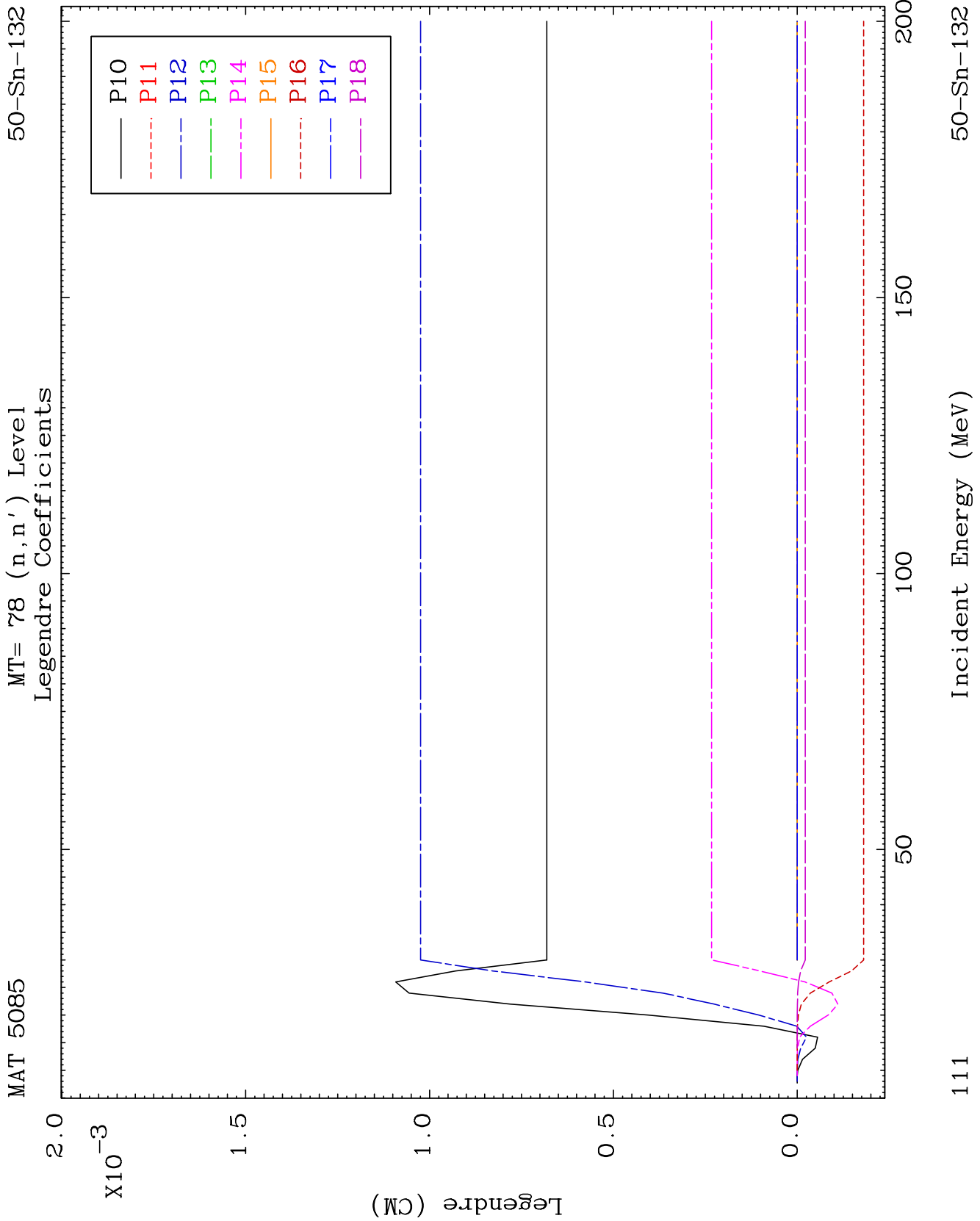
MAT 5085

MT= 77 (n,n') Level  
Legendre Coefficients

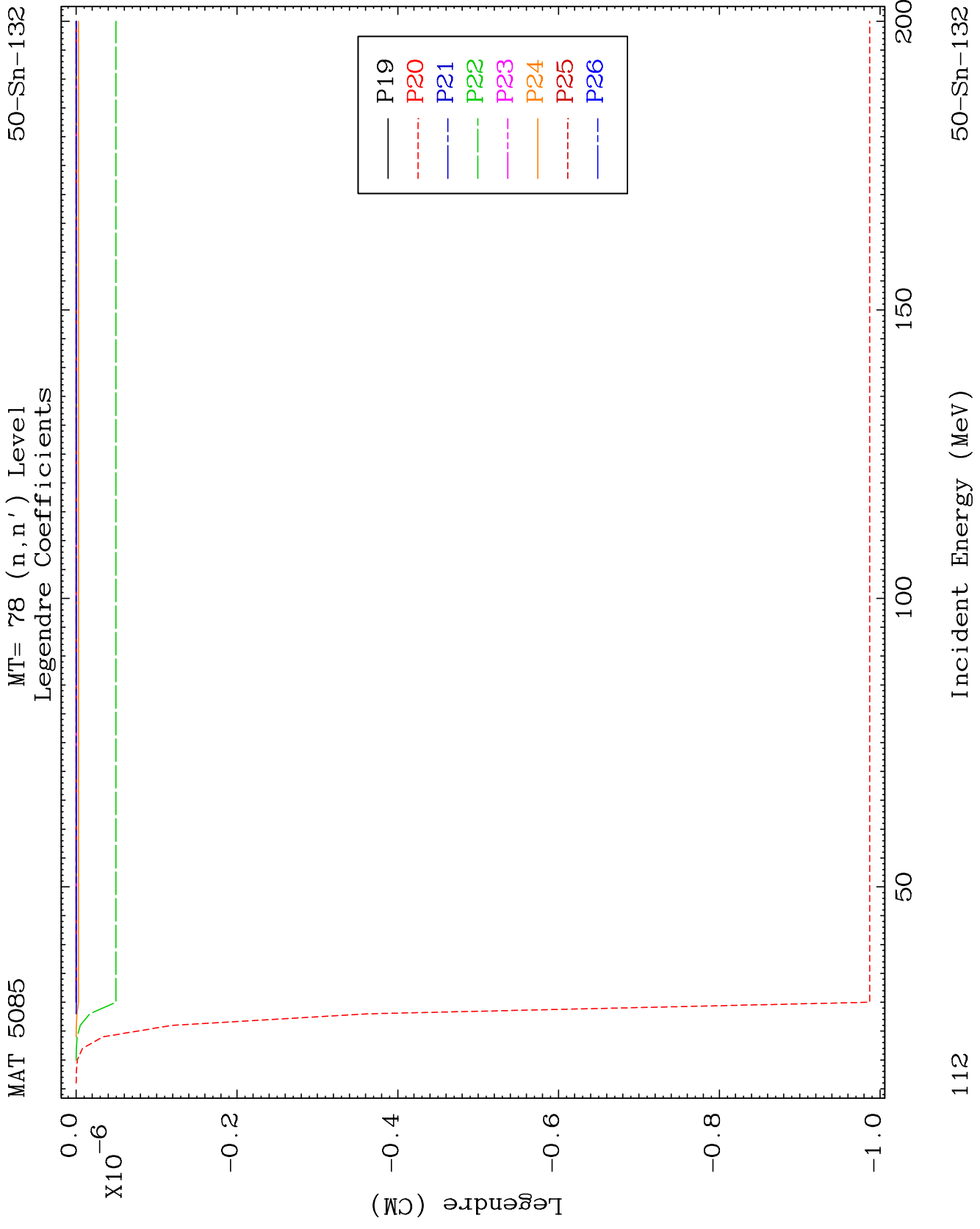
50-Sn-132







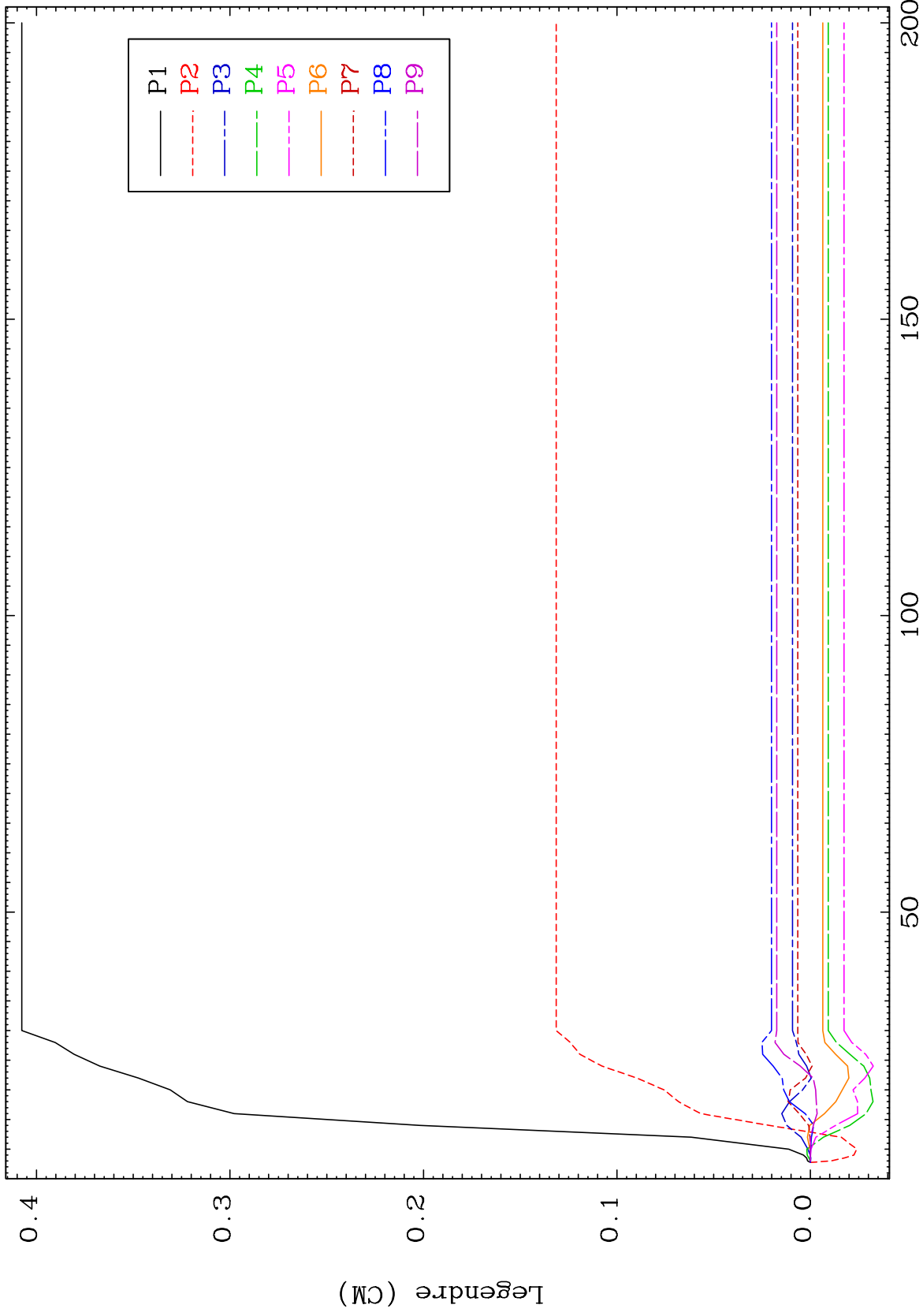




MAT 5085

MT= 79 (n,n') Level  
Legendre Coefficients

50-Sn-132



113

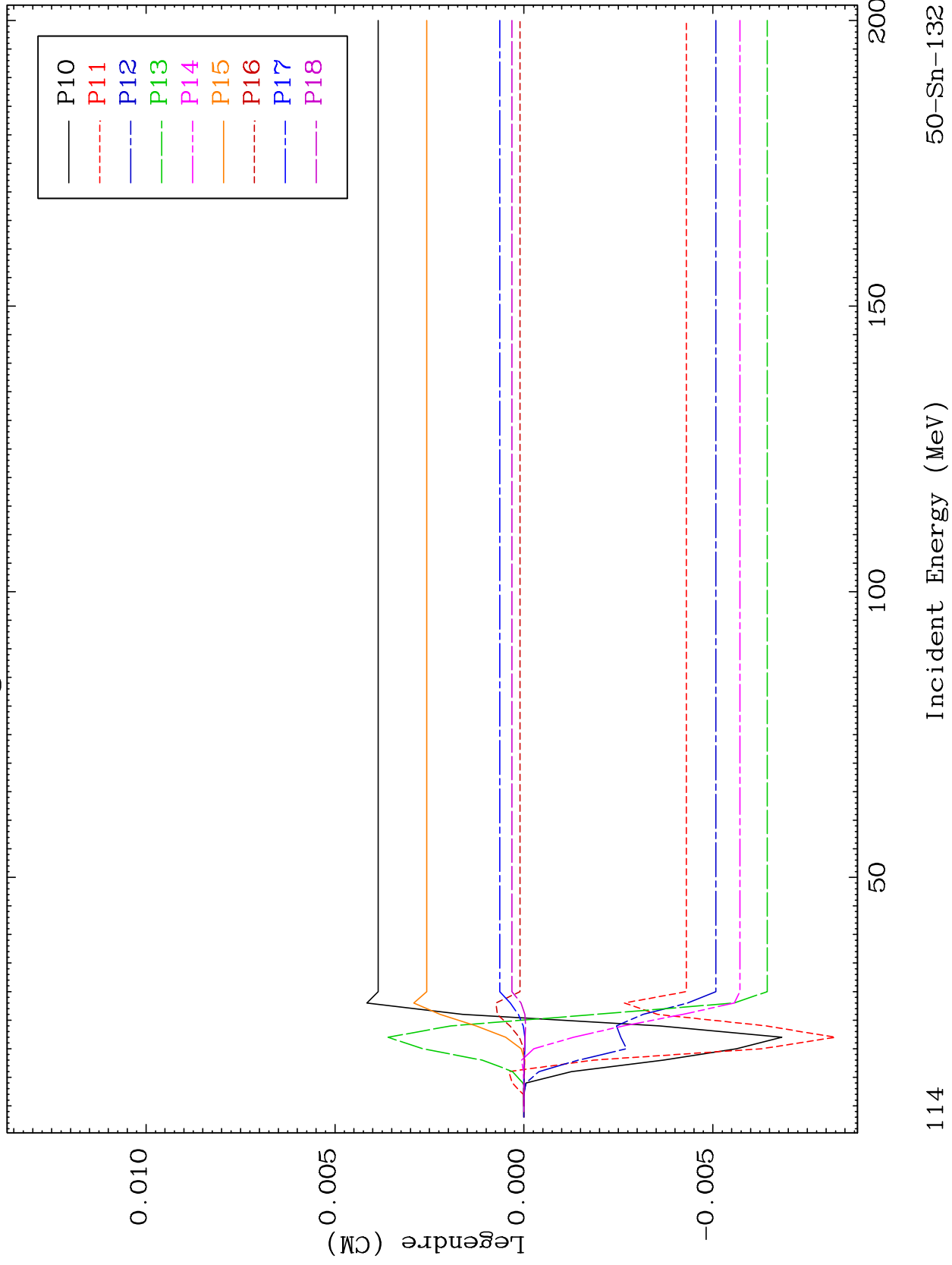
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 79 (n,n') Level  
Legendre Coefficients

50-Sn-132



114

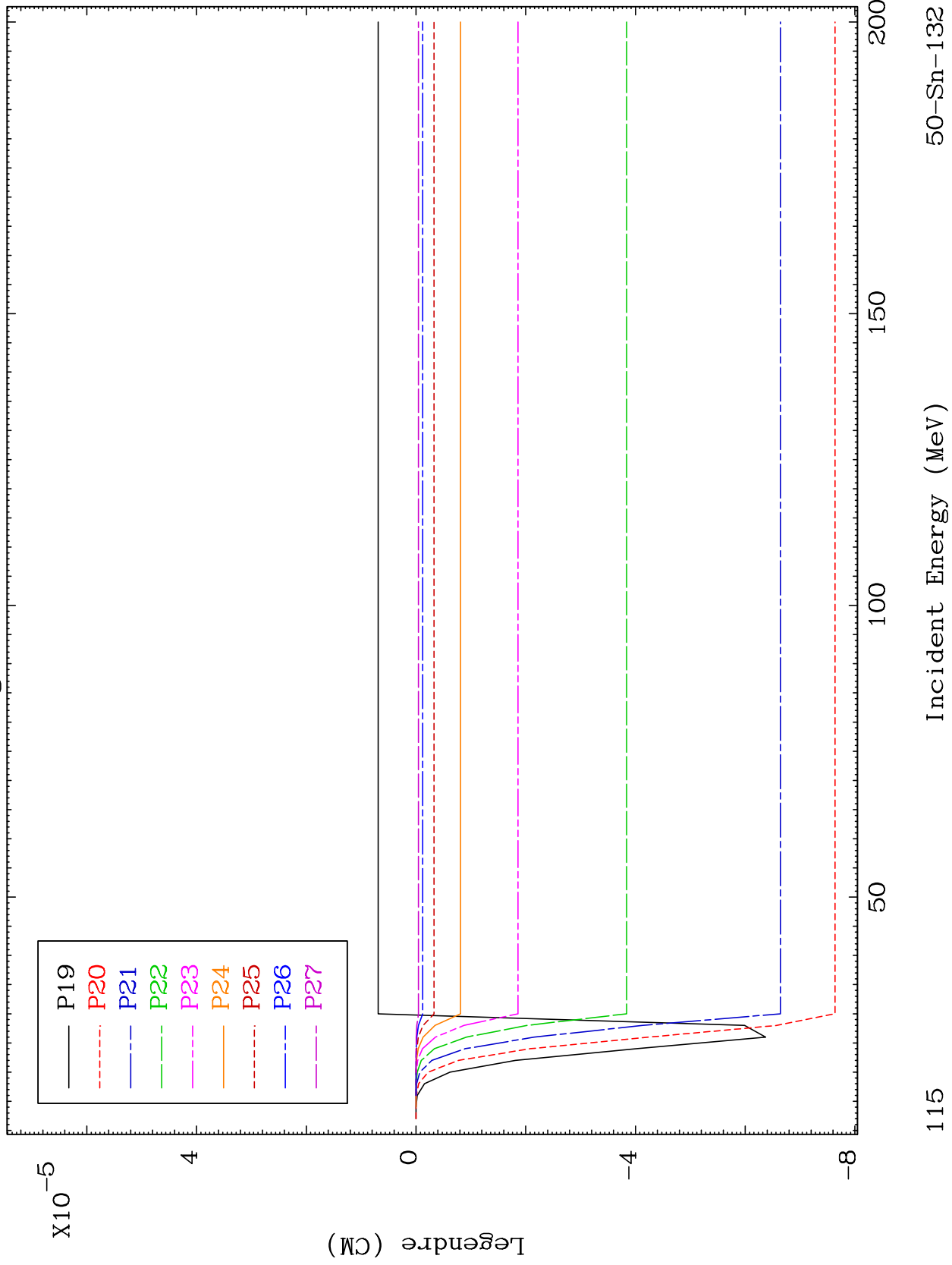
Incident Energy (MeV)

50-Sn-132

MAT 5085

MT= 79 (n,n') Level  
Legendre Coefficients

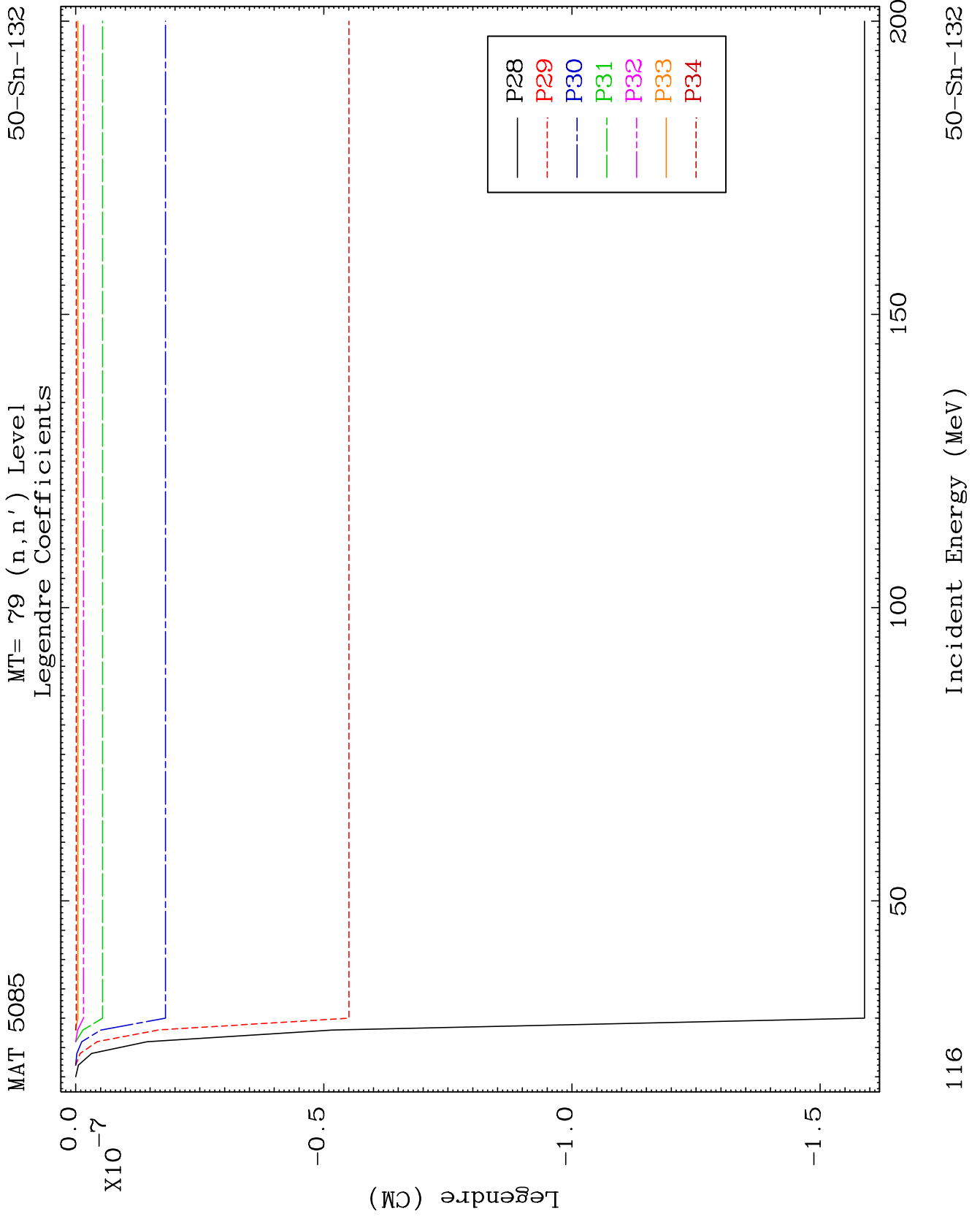
50-Sn-132



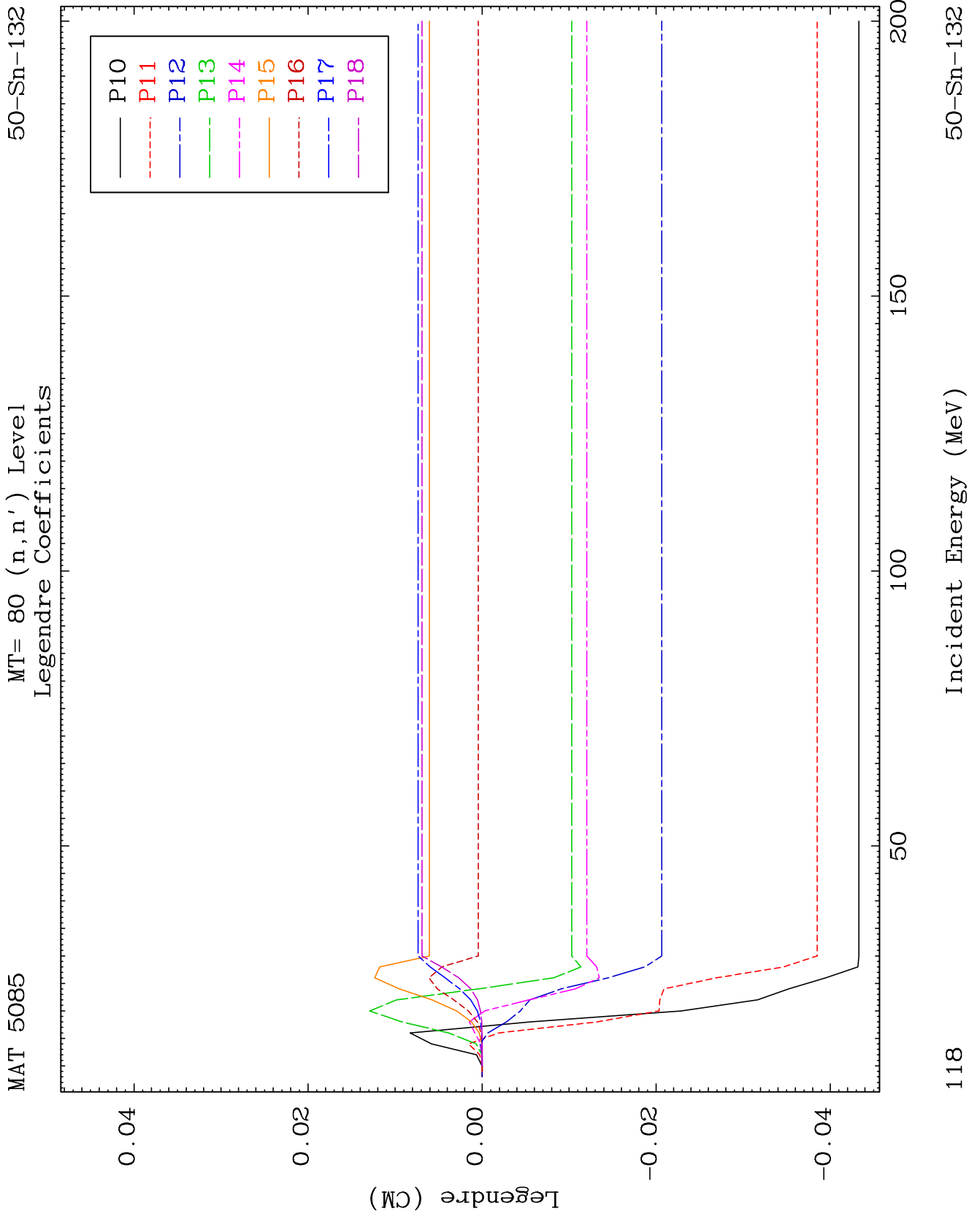
115

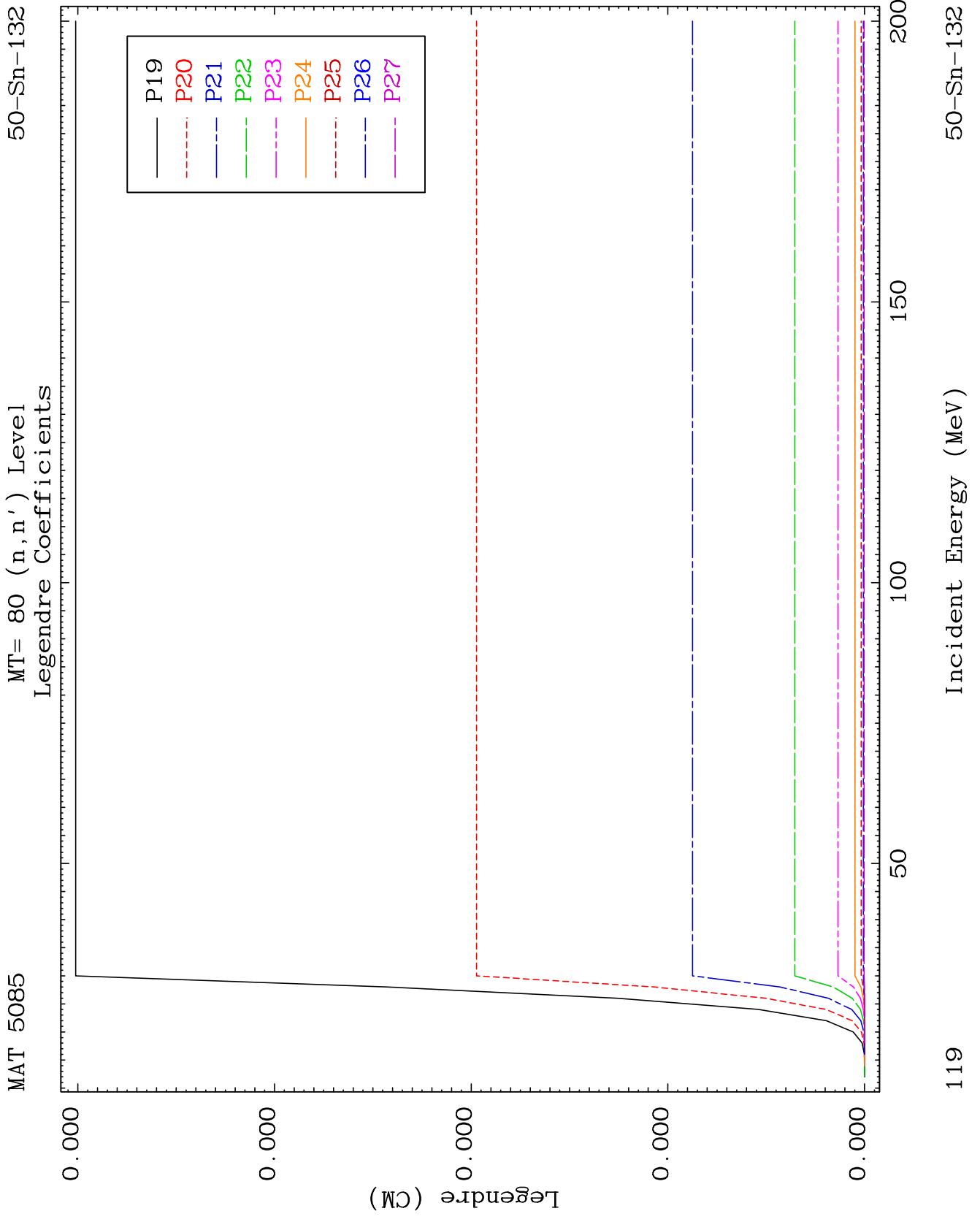
Incident Energy (MeV)

50-Sn-132

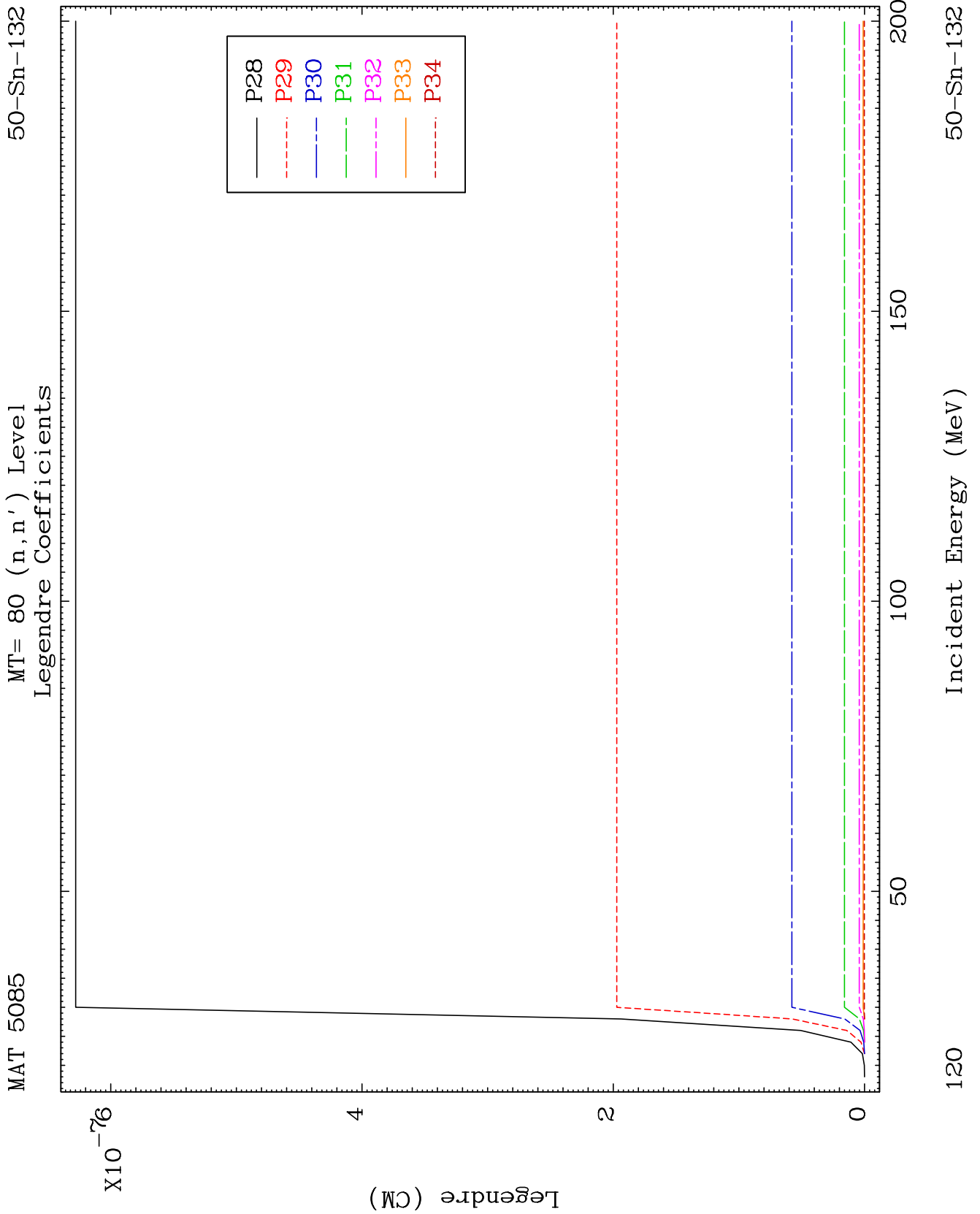










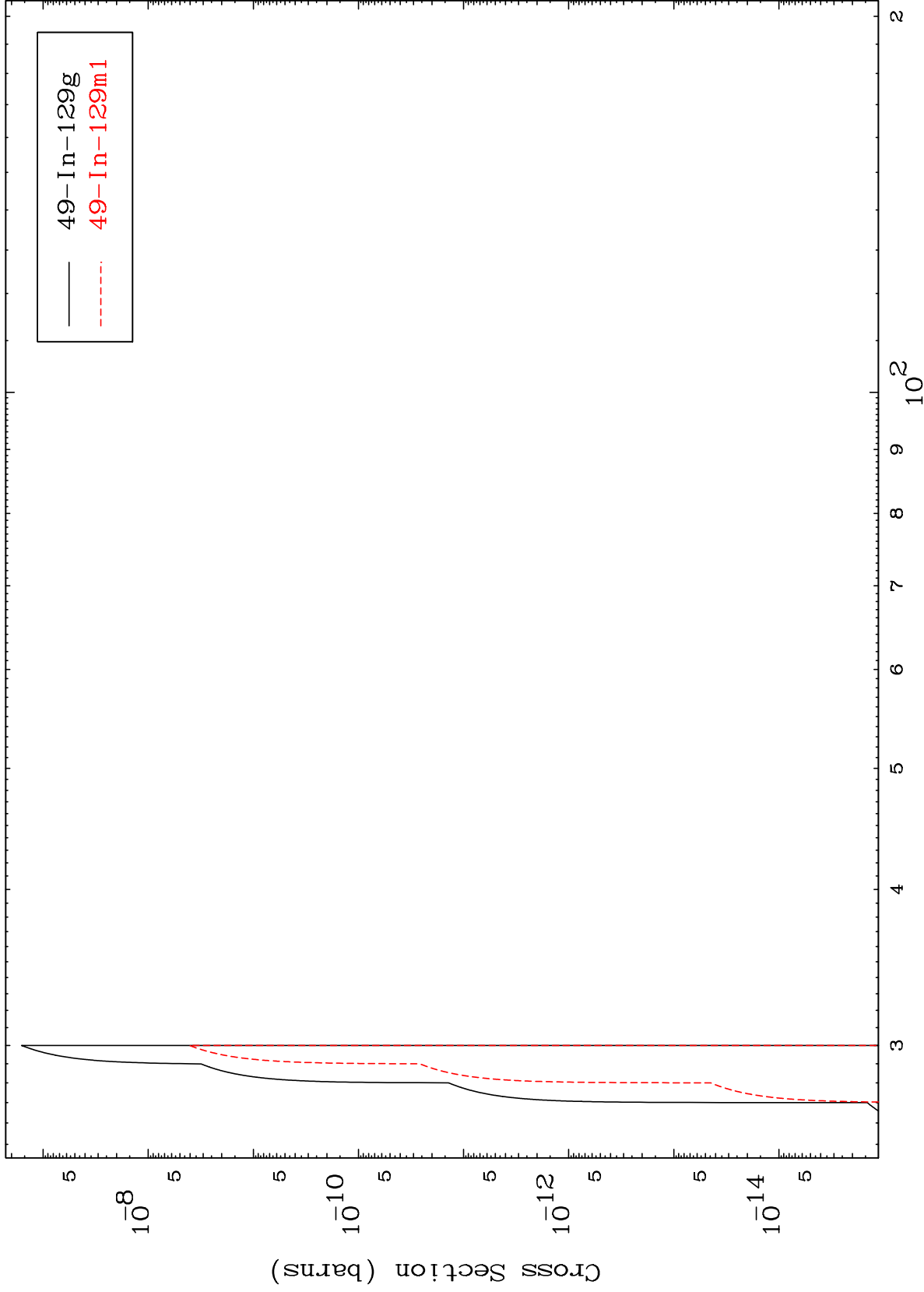


MAT 5085

(n,2n) d

50-Sn-132

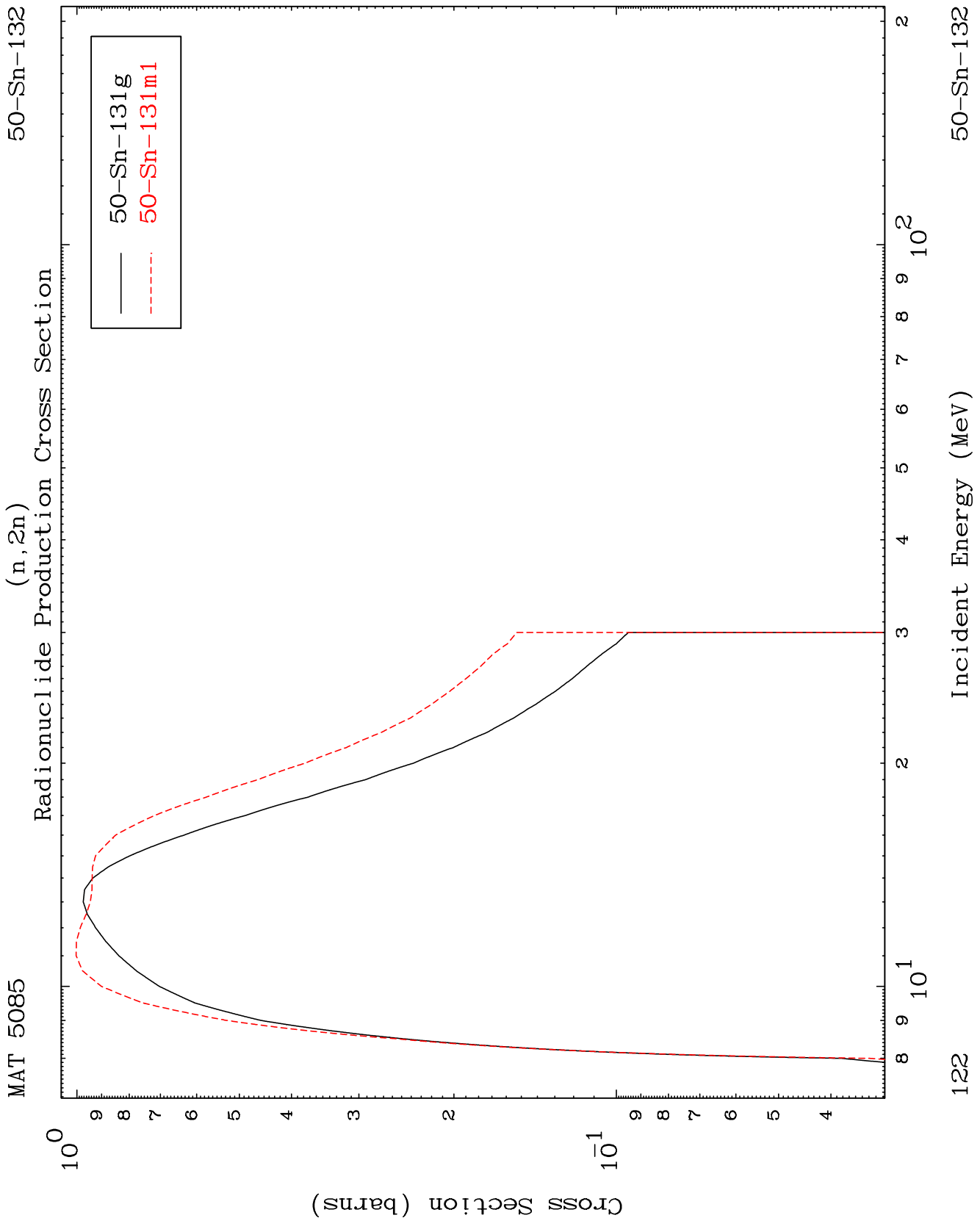
Radionuclide Production Cross Section

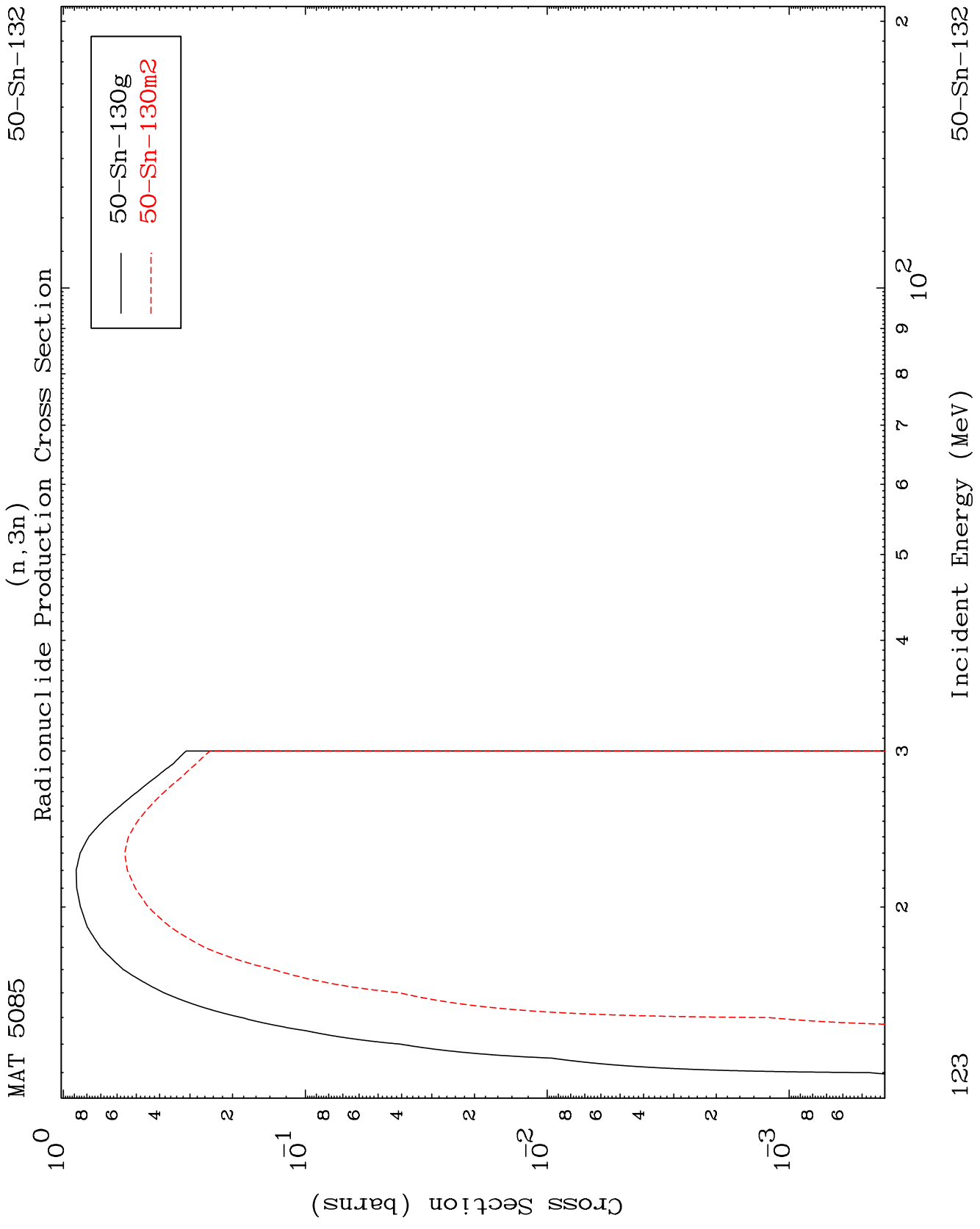


121

Incident Energy (MeV)

50-Sn-132



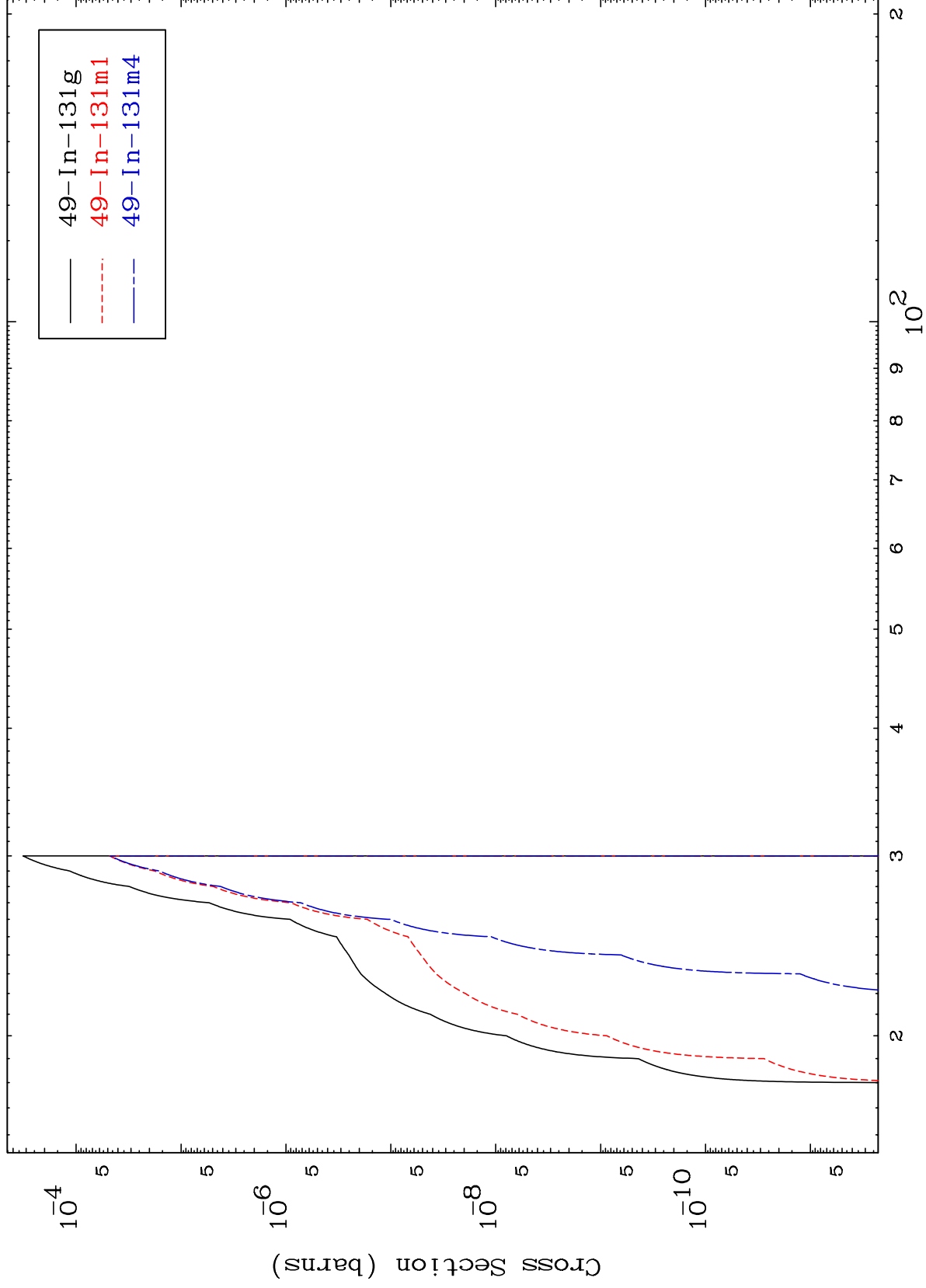


MAT 5085

(n,n') p

50-Sn-132

Radionuclide Production Cross Section



124

Incident Energy (MeV)

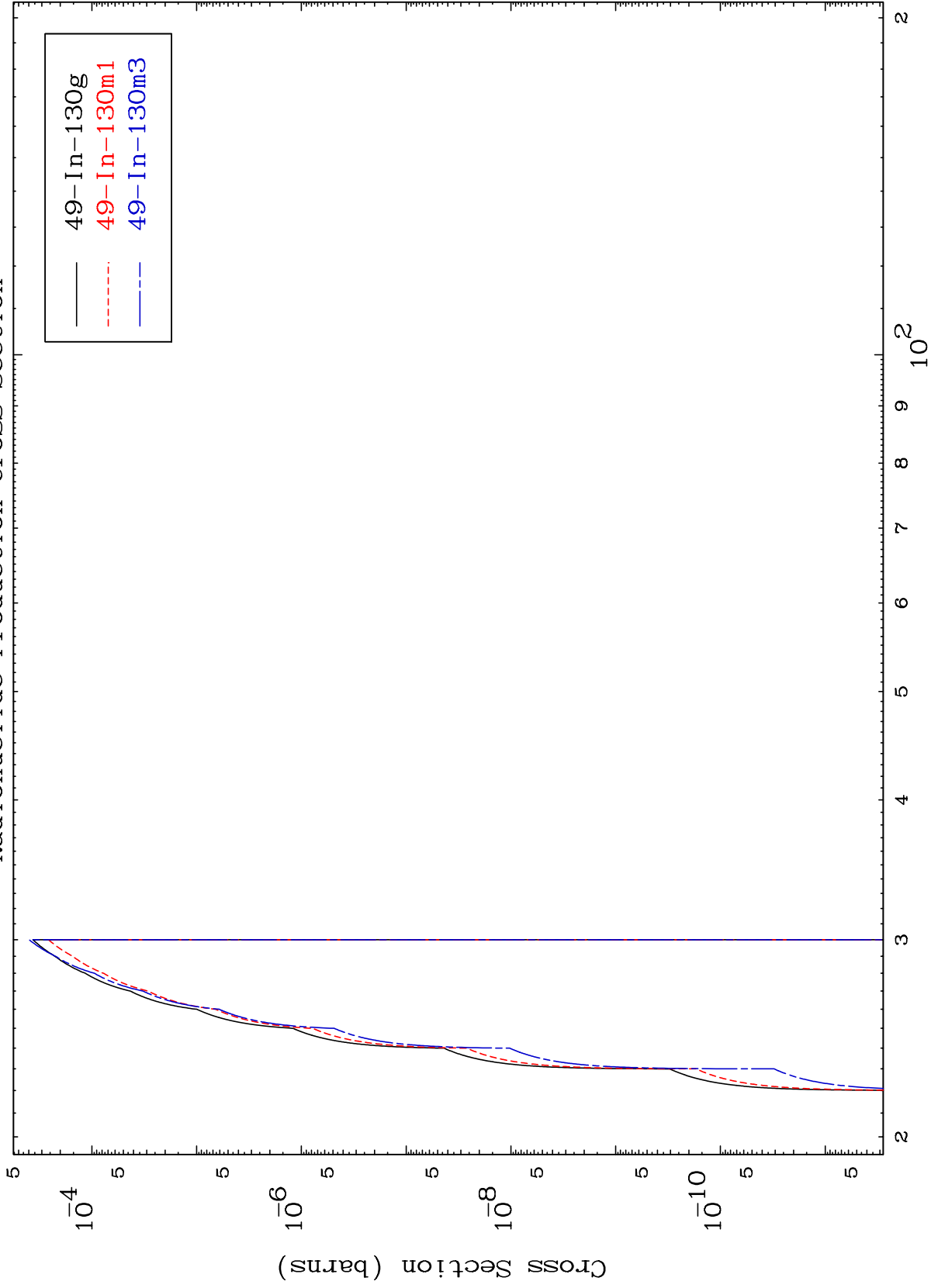
50-Sn-132

MAT 5085

(n,n') d

50-Sn-132

Radionuclide Production Cross Section



125

Incident Energy (MeV)

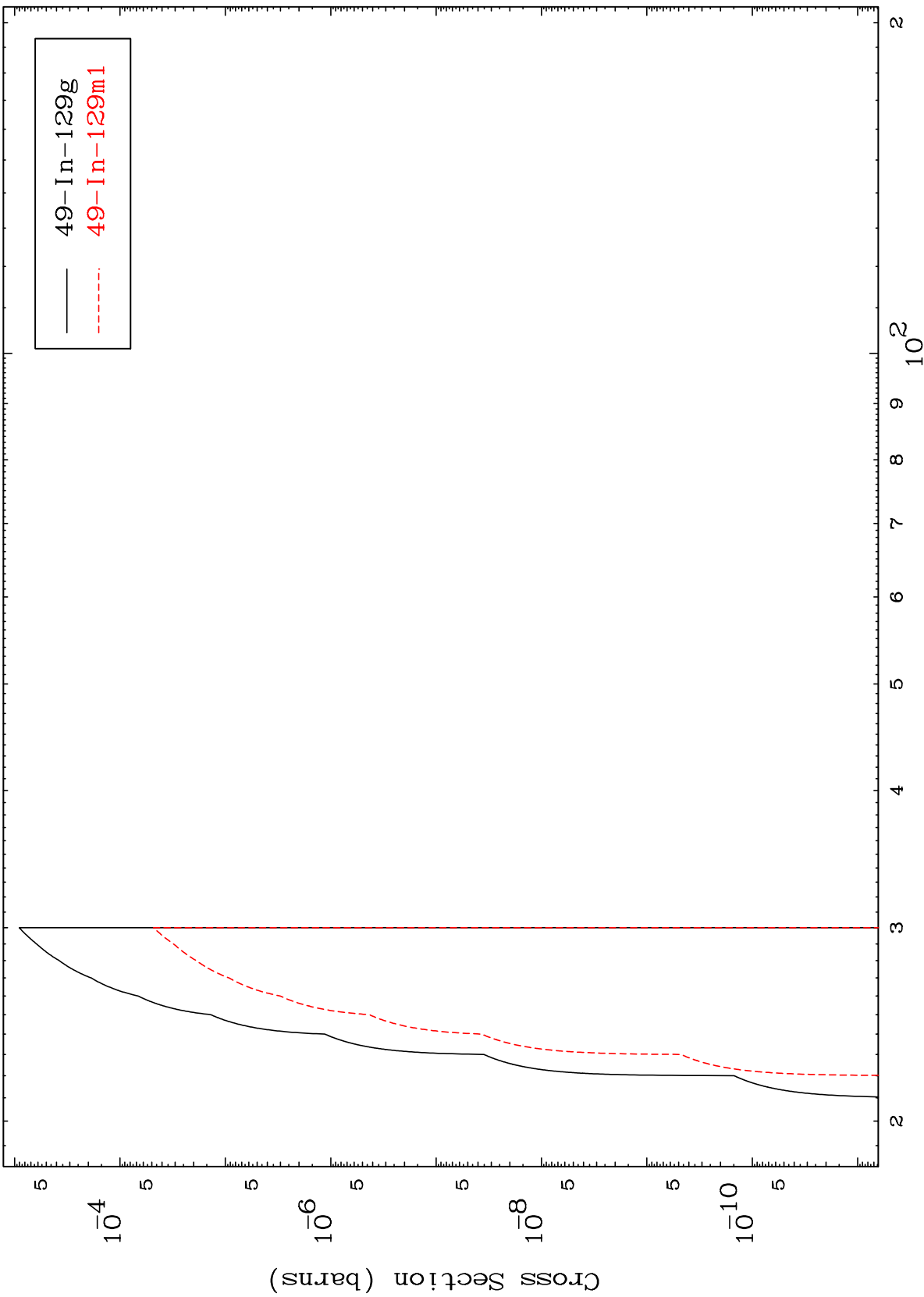
50-Sn-132

MAT 5085

(n,n') t

50-Sn-132

Radionuclide Production Cross Section



126

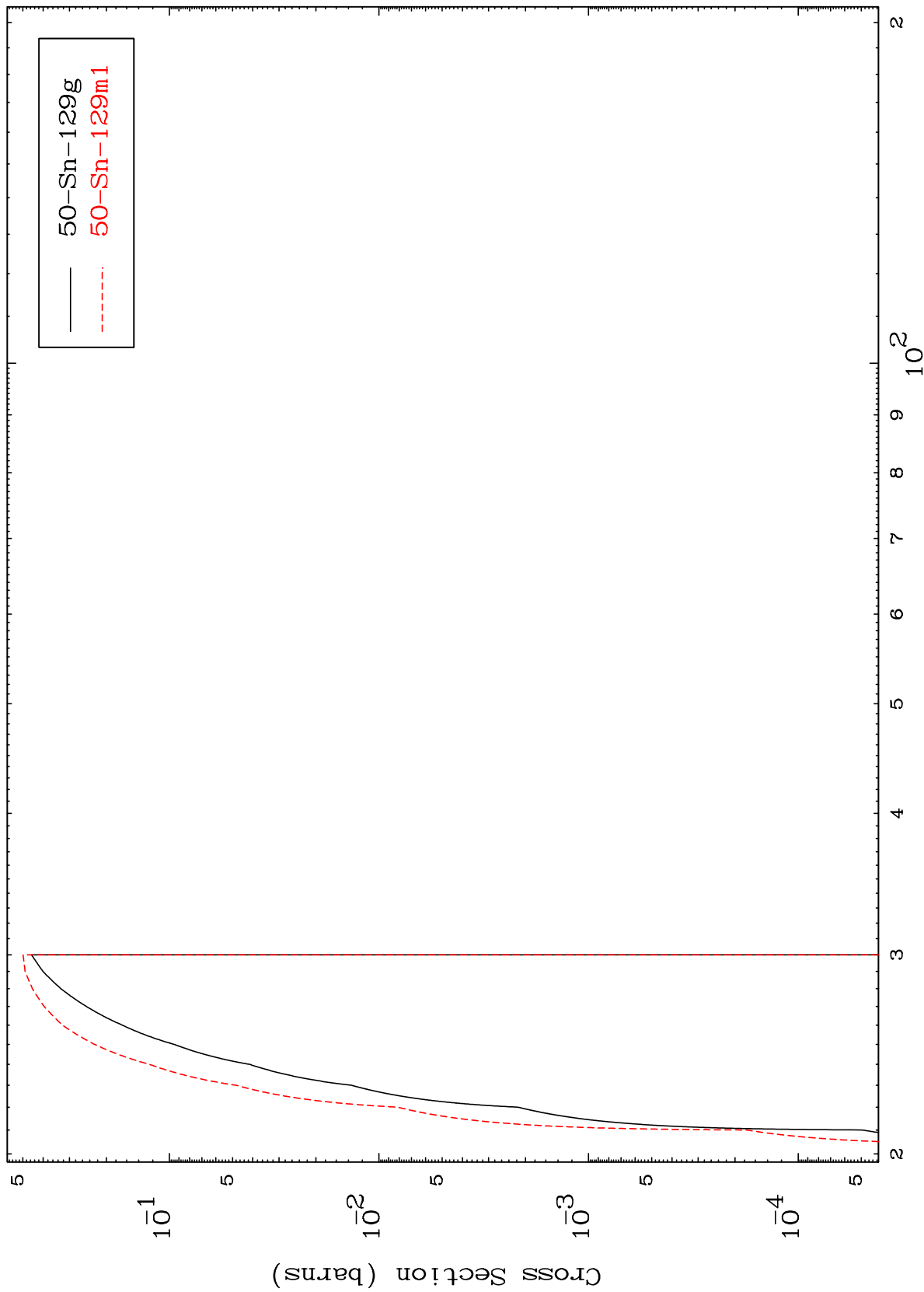
Incident Energy (MeV)

50-Sn-132

MAT 5085

50-Sn-132

(n,4n)  
Radionuclide Production Cross Section

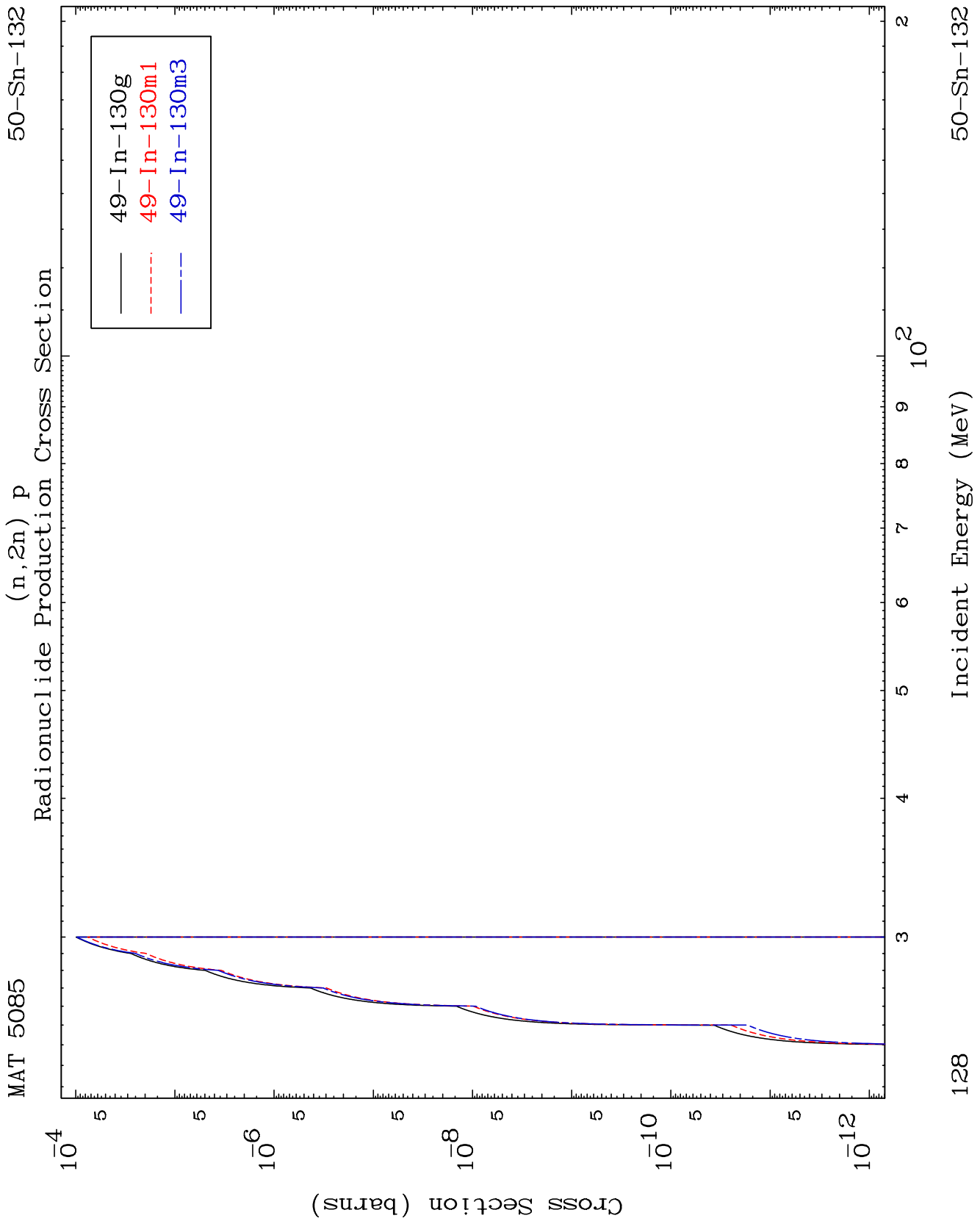


50-Sn-132

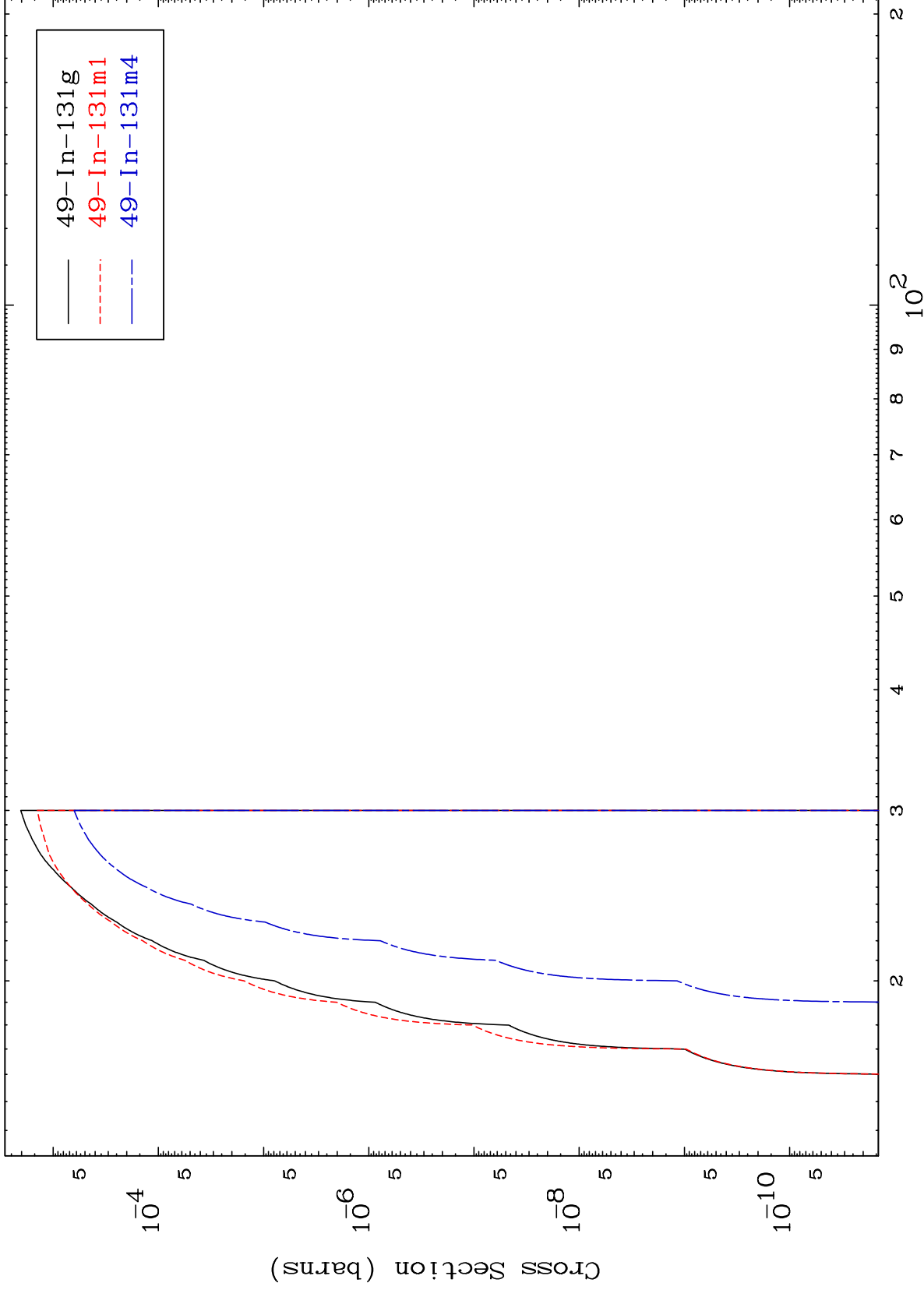
Incident Energy (MeV)

127





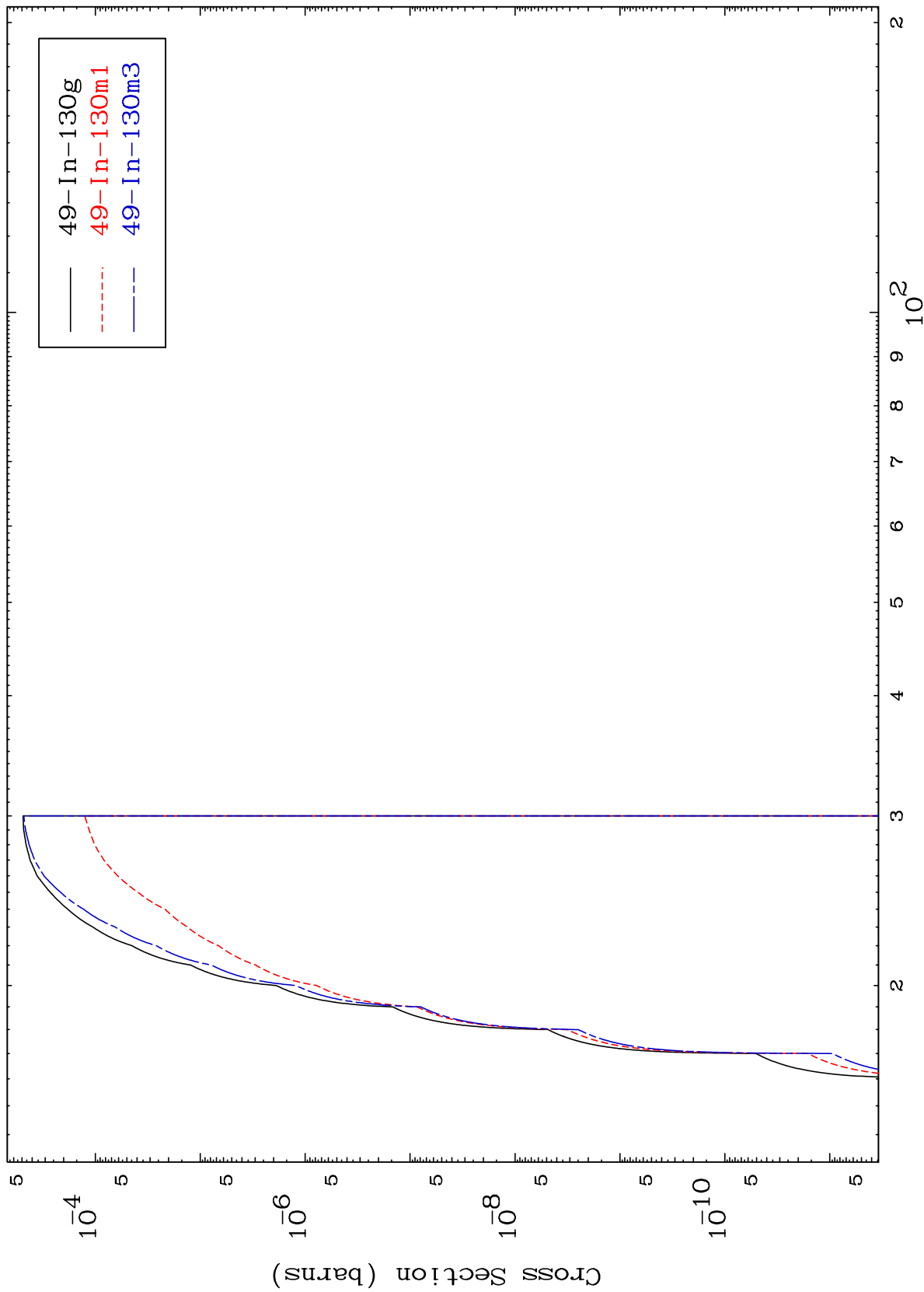
Radionuclide Production Cross Section



MAT 5085

50-Sn-132

(n,t)  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

50-Sn-132