

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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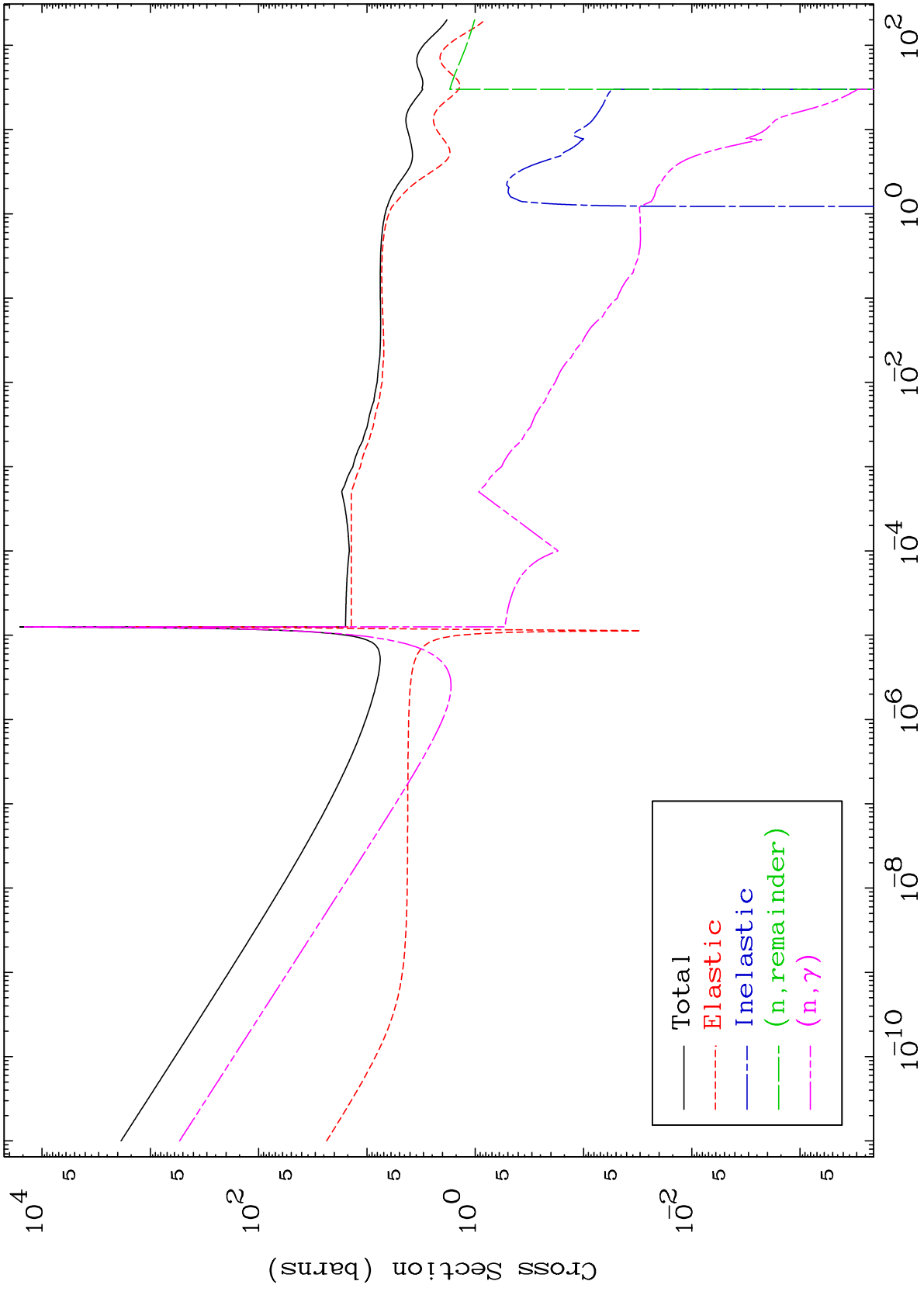
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5007

Major  
293 Kelvin Cross Sections

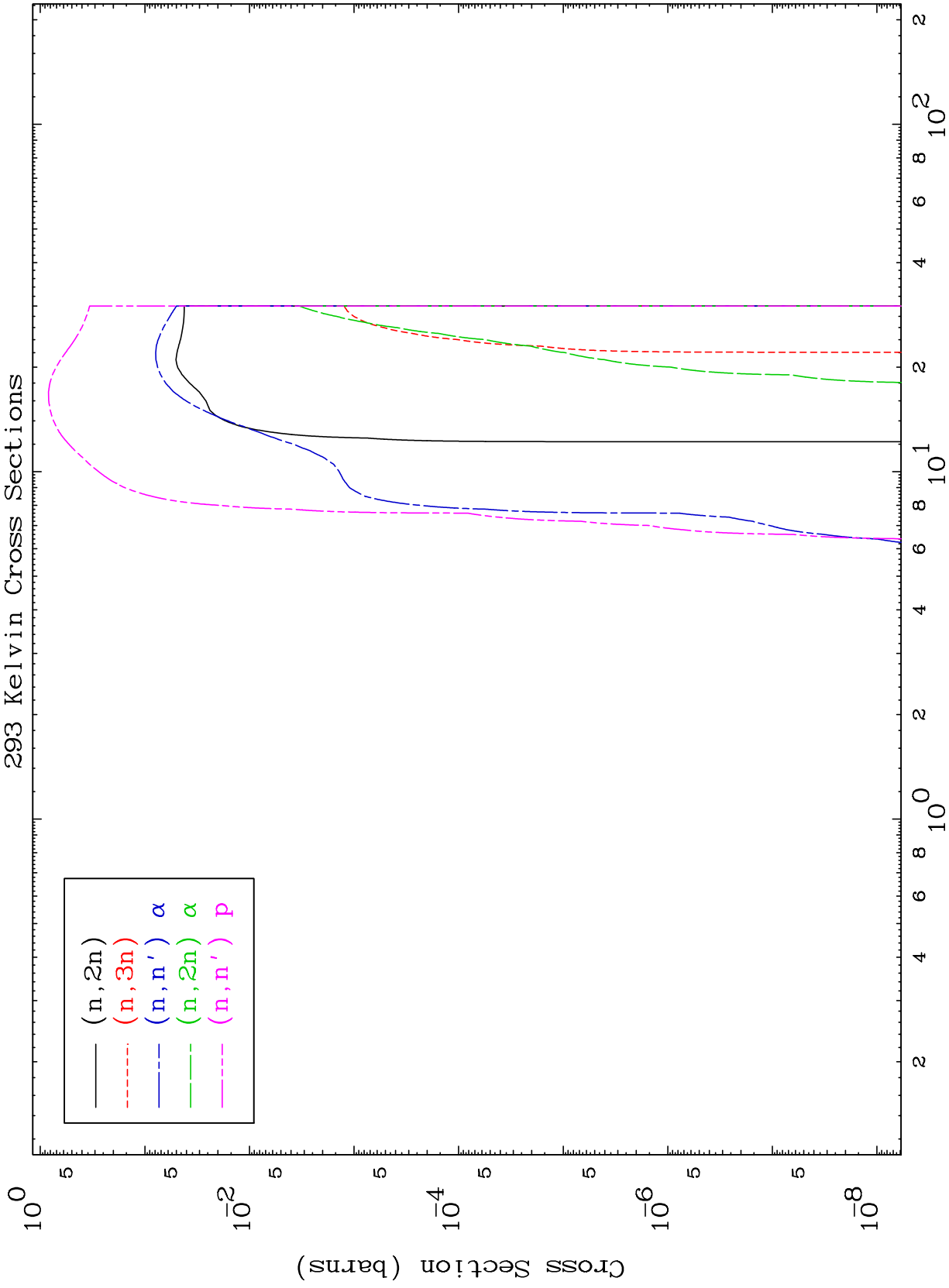
50-Sn-106



MAT 5007

Neutron Production  
293 Kelvin Cross Sections

50-Sn-106



2

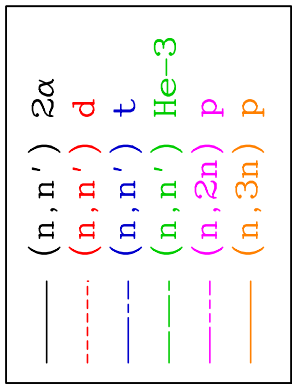
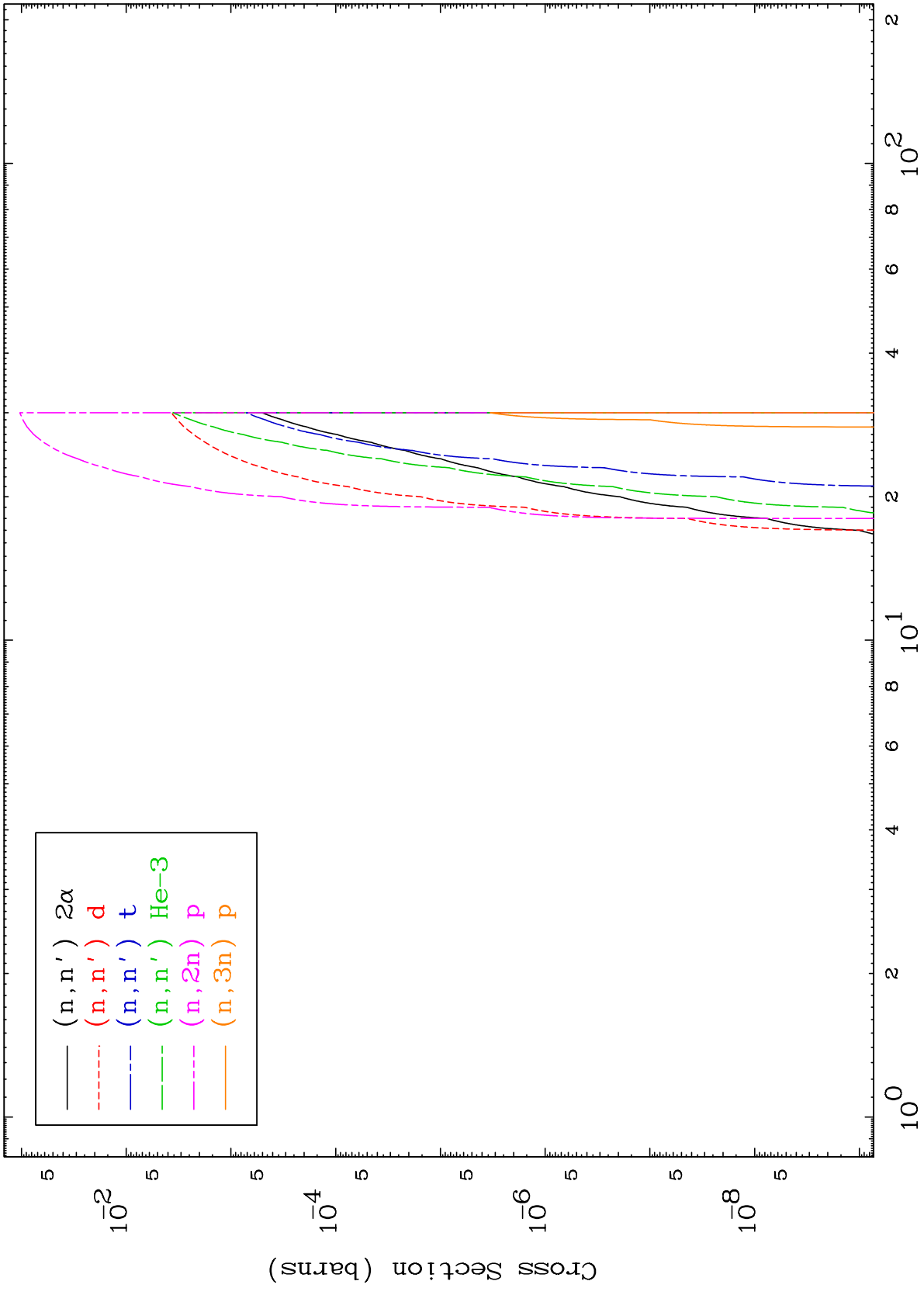
Incident Energy (MeV)

50-Sn-106

MAT 5007

Neutron Production  
293 Kelvin Cross Sections

50-Sn-106



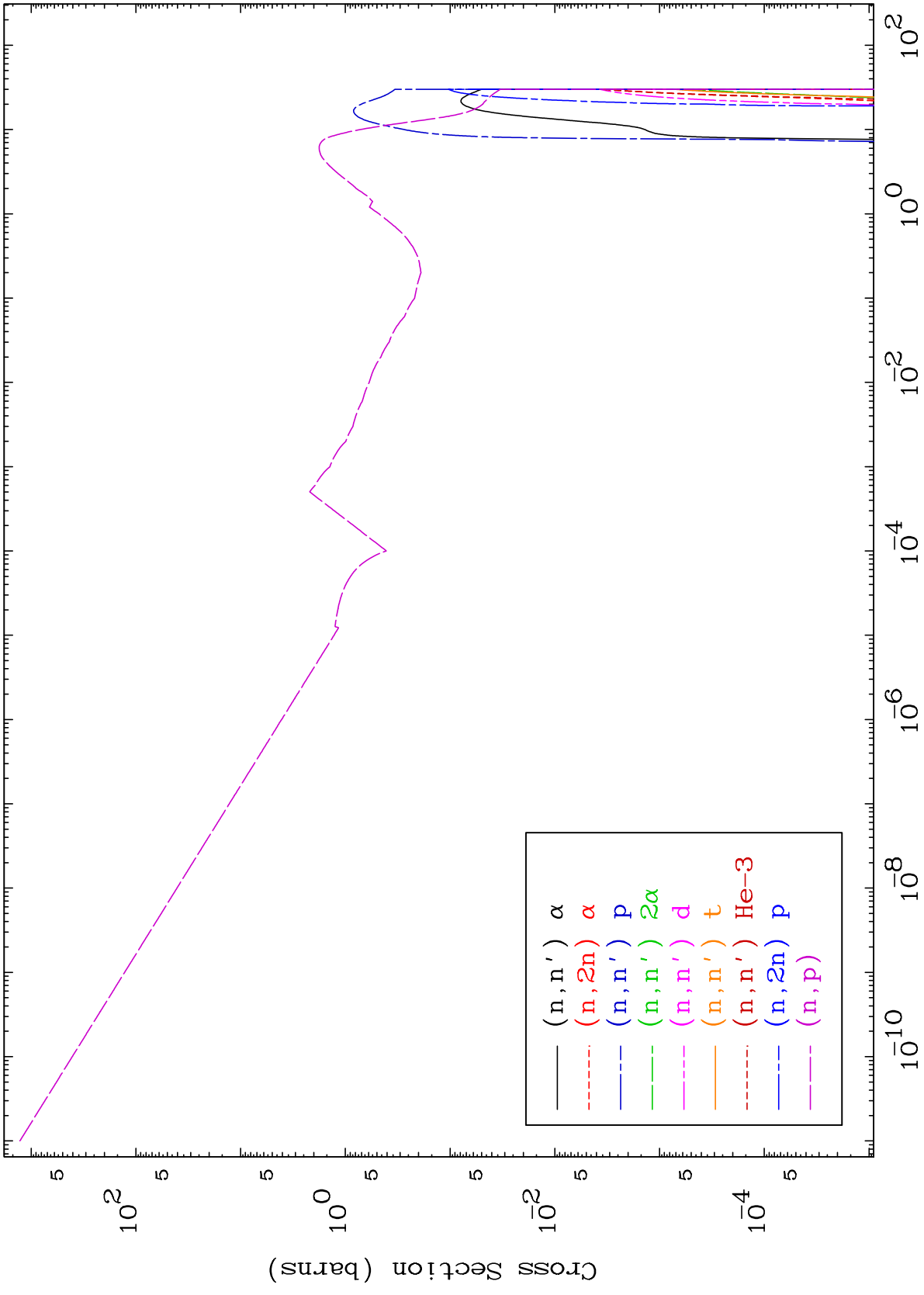
3

50-Sn-106

MAT 5007

Charged Particle  
293 Kelvin Cross Sections

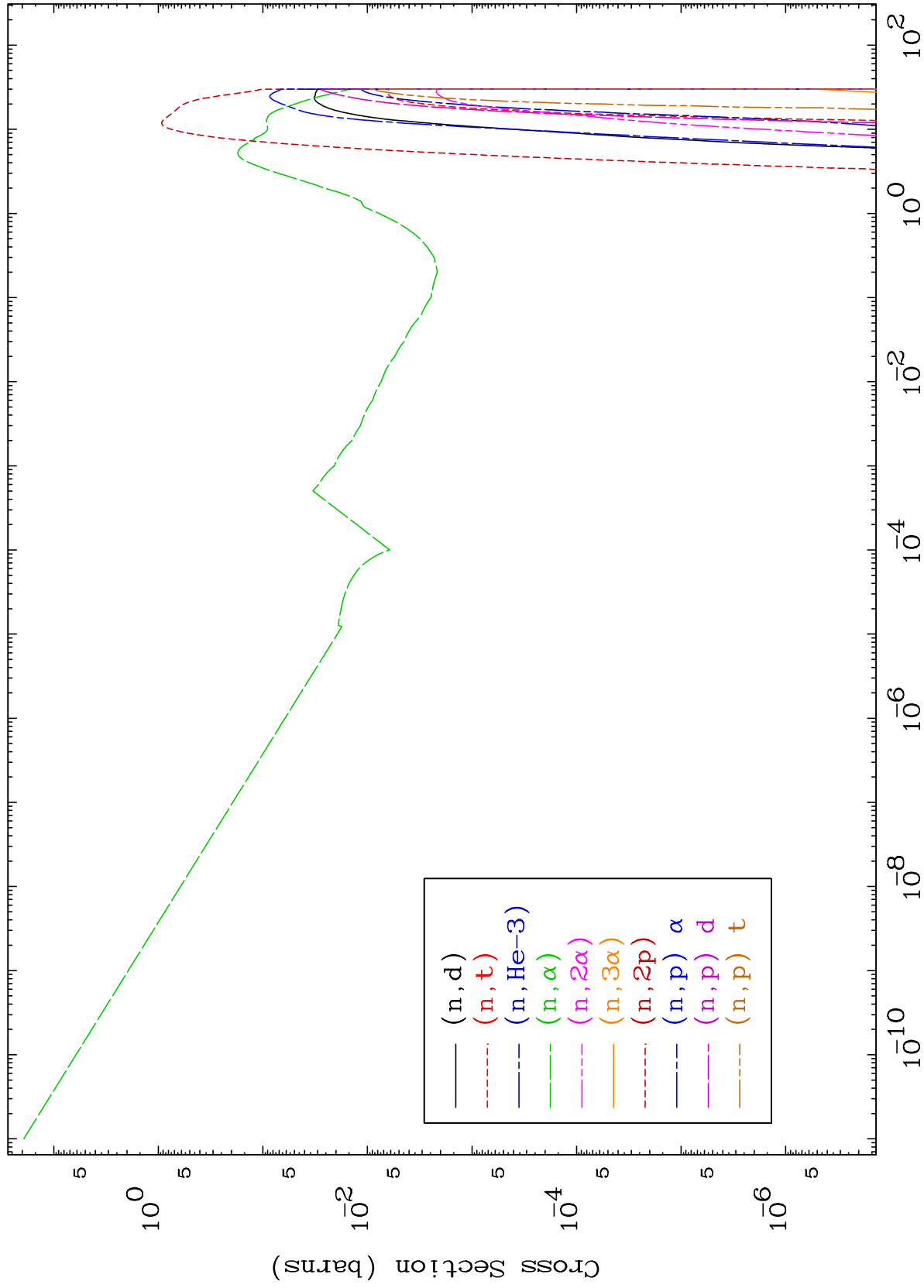
50-Sn-106



MAT 5007

293 Kelvin Cross Sections

50-Sn-106



5

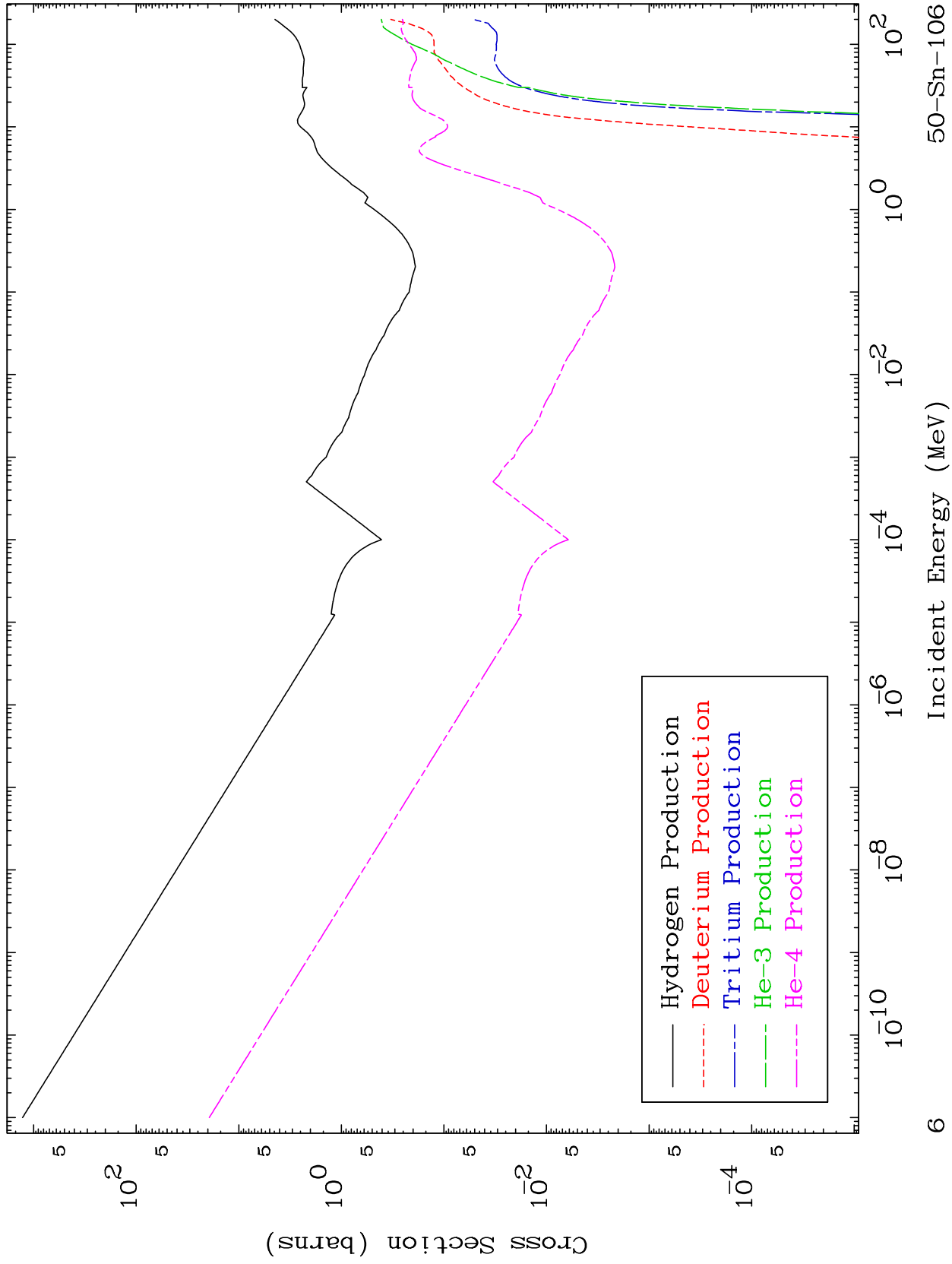
Incident Energy (MeV)

50-Sn-106

MAT 5007

Particle Production  
293 Kelvin Cross Sections

50-Sn-106

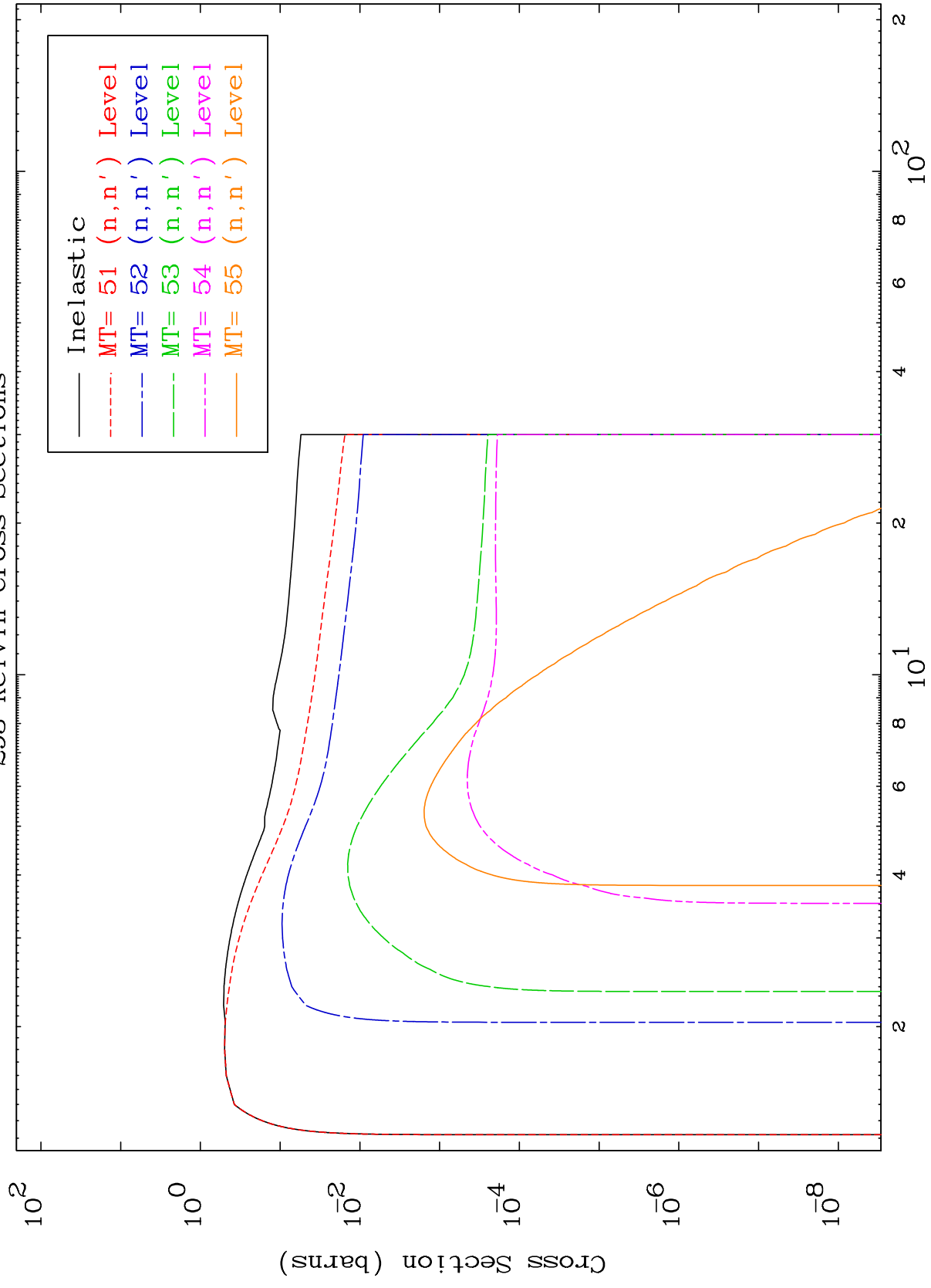


MAT 5007

(n,n') Level

50-Sn-106

293 Kelvin Cross Sections

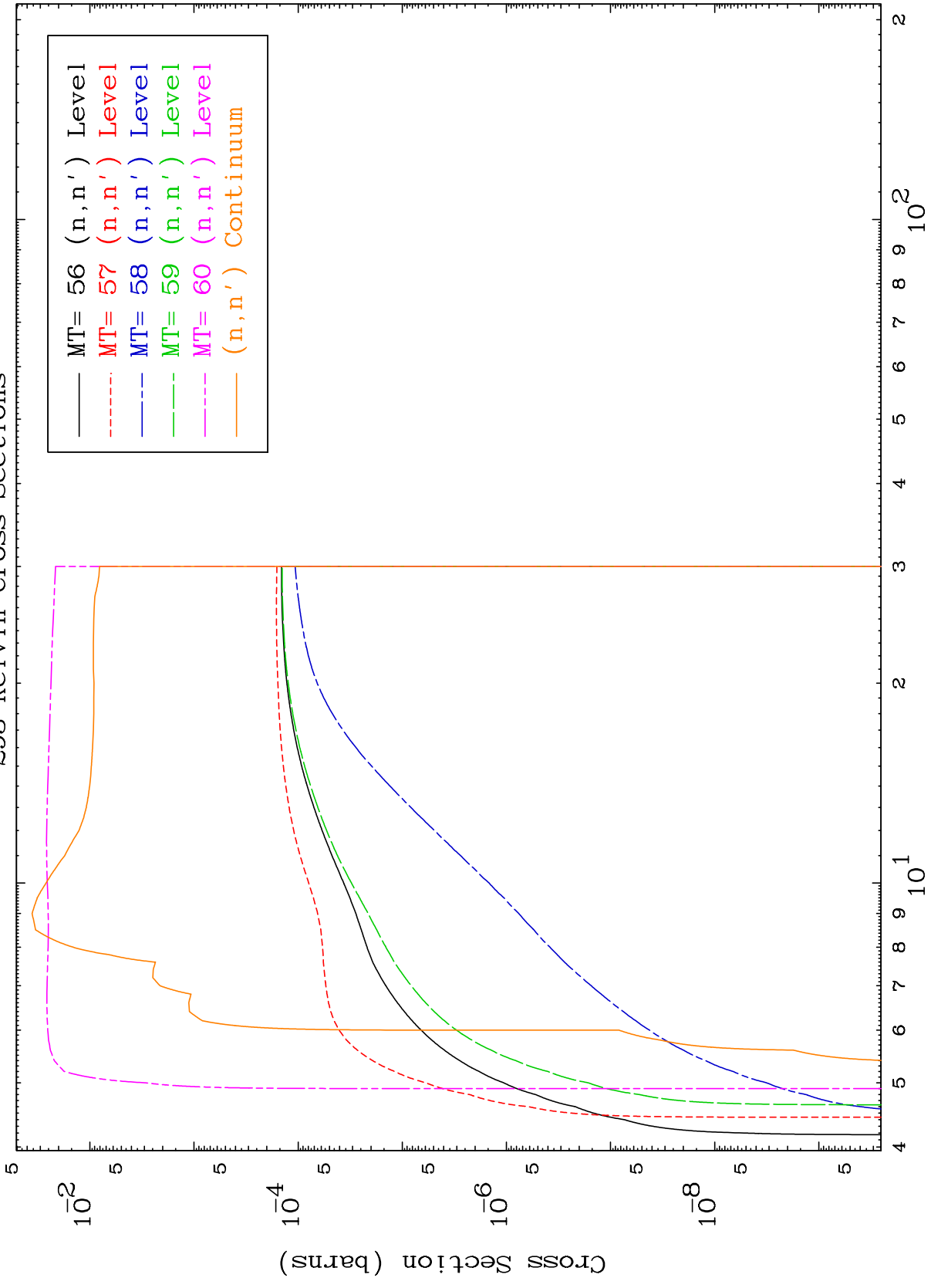




MAT 5007

(n,n') Level  
293 Kelvin Cross Sections

50-Sn-106



8

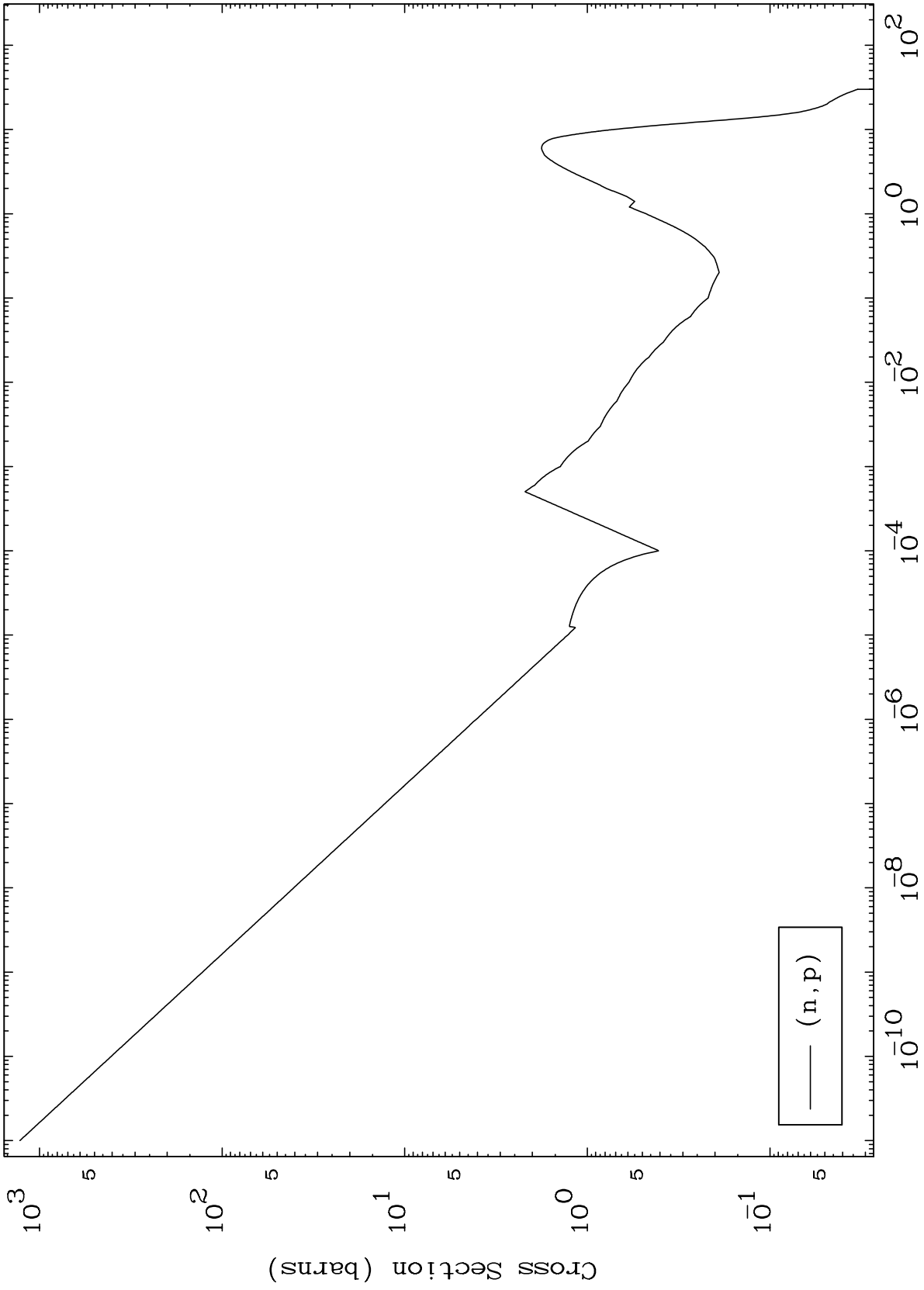
Incident Energy (MeV)

50-Sn-106

MAT 5007

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-106

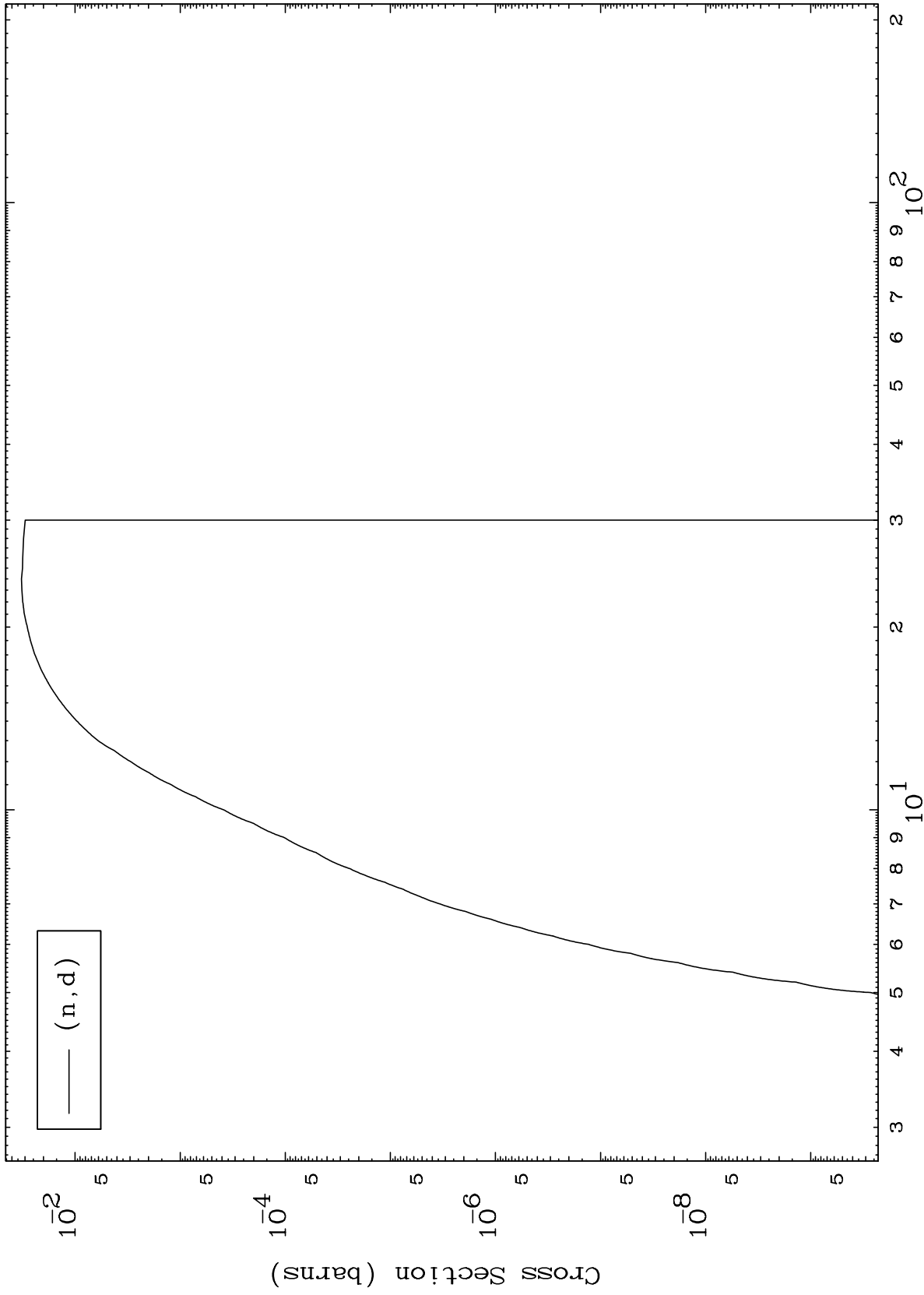


— (n, p)

MAT 5007

(n,d) Levels  
293 Kelvin Cross Sections

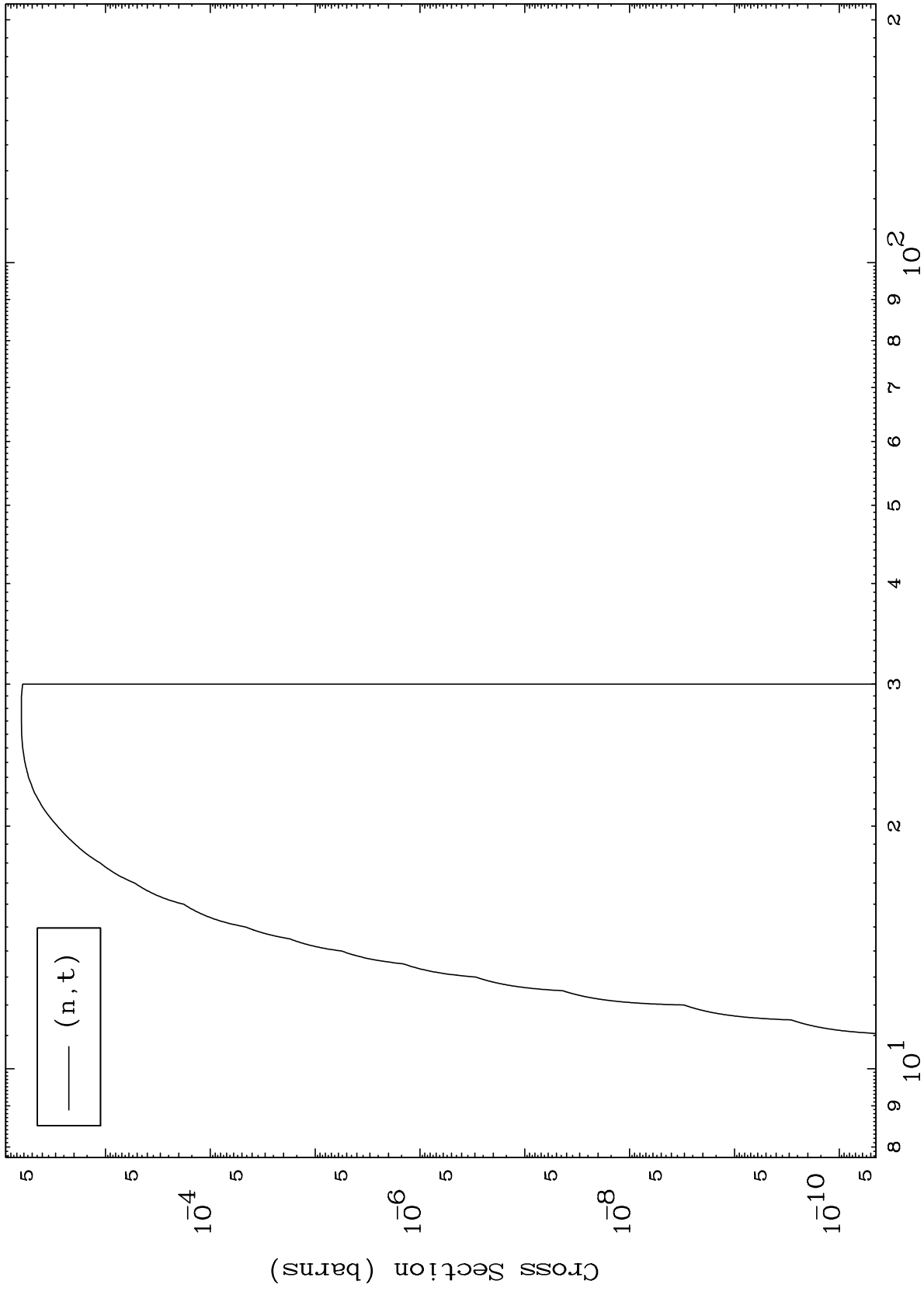
50-Sn-106



MAT 5007

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-106



11

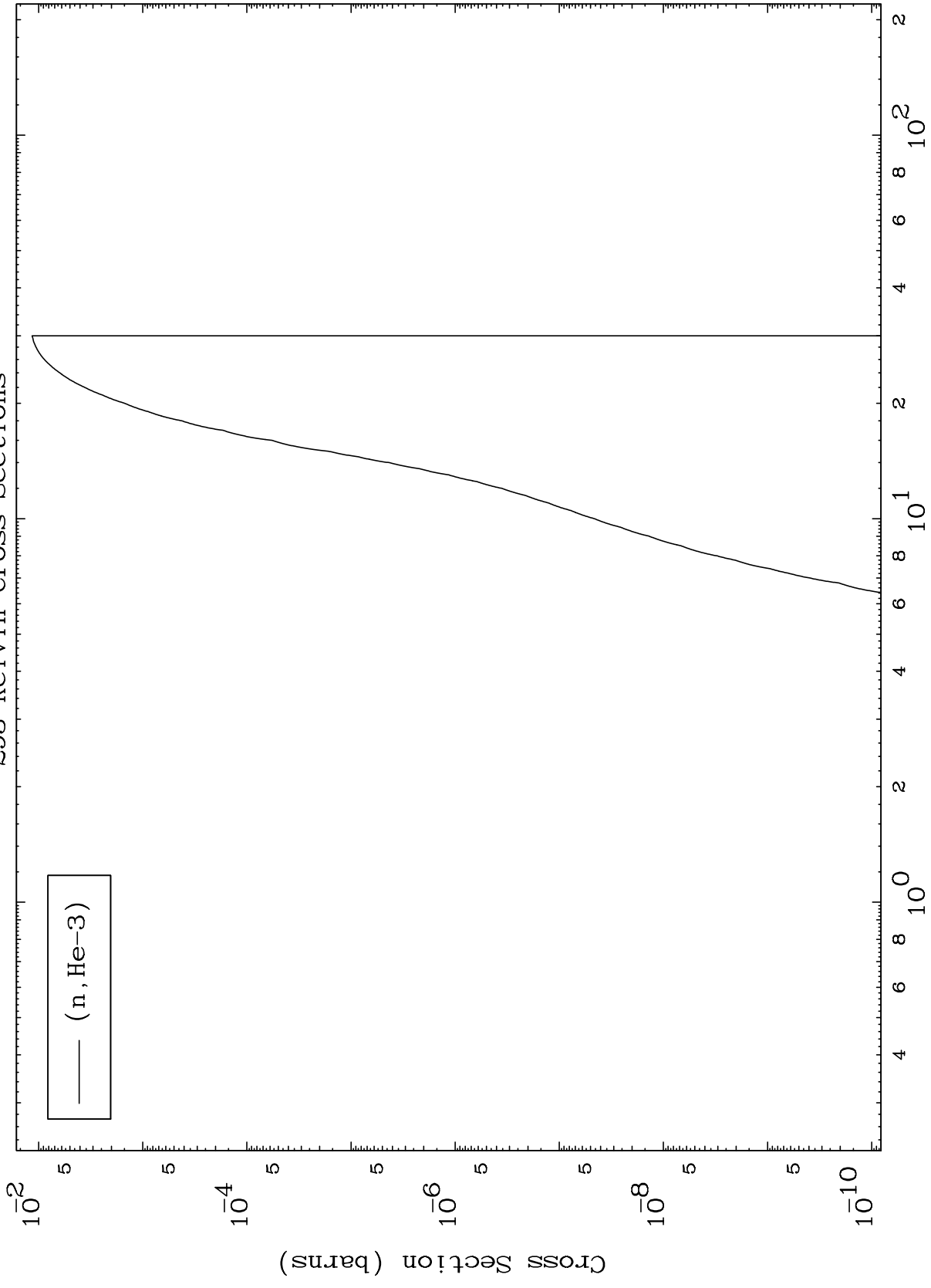
Incident Energy (MeV)

50-Sn-106

MAT 5007

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-106



12

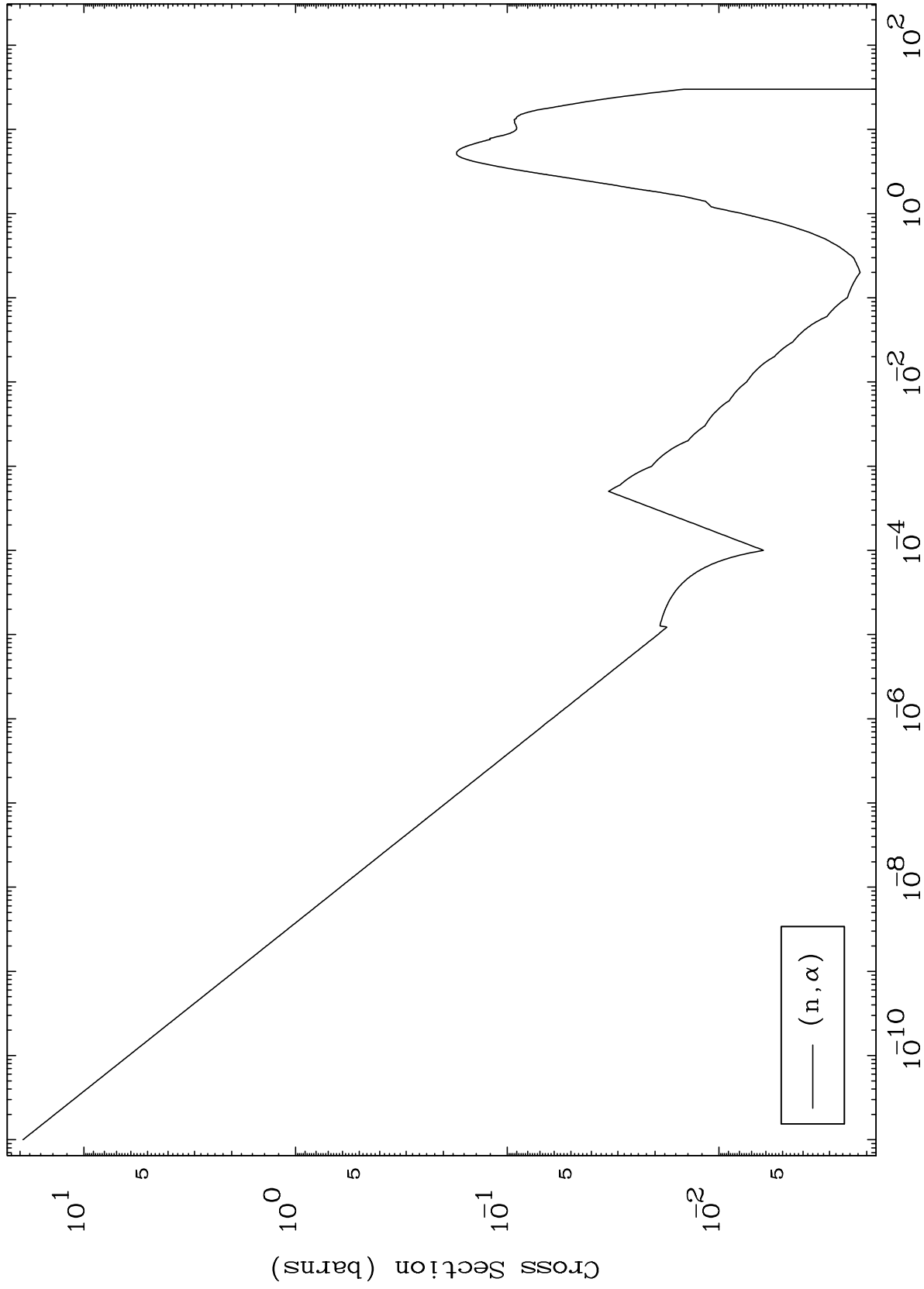
Incident Energy (MeV)

50-Sn-106

MAT 5007

(n,α) Levels  
293 Kelvin Cross Sections

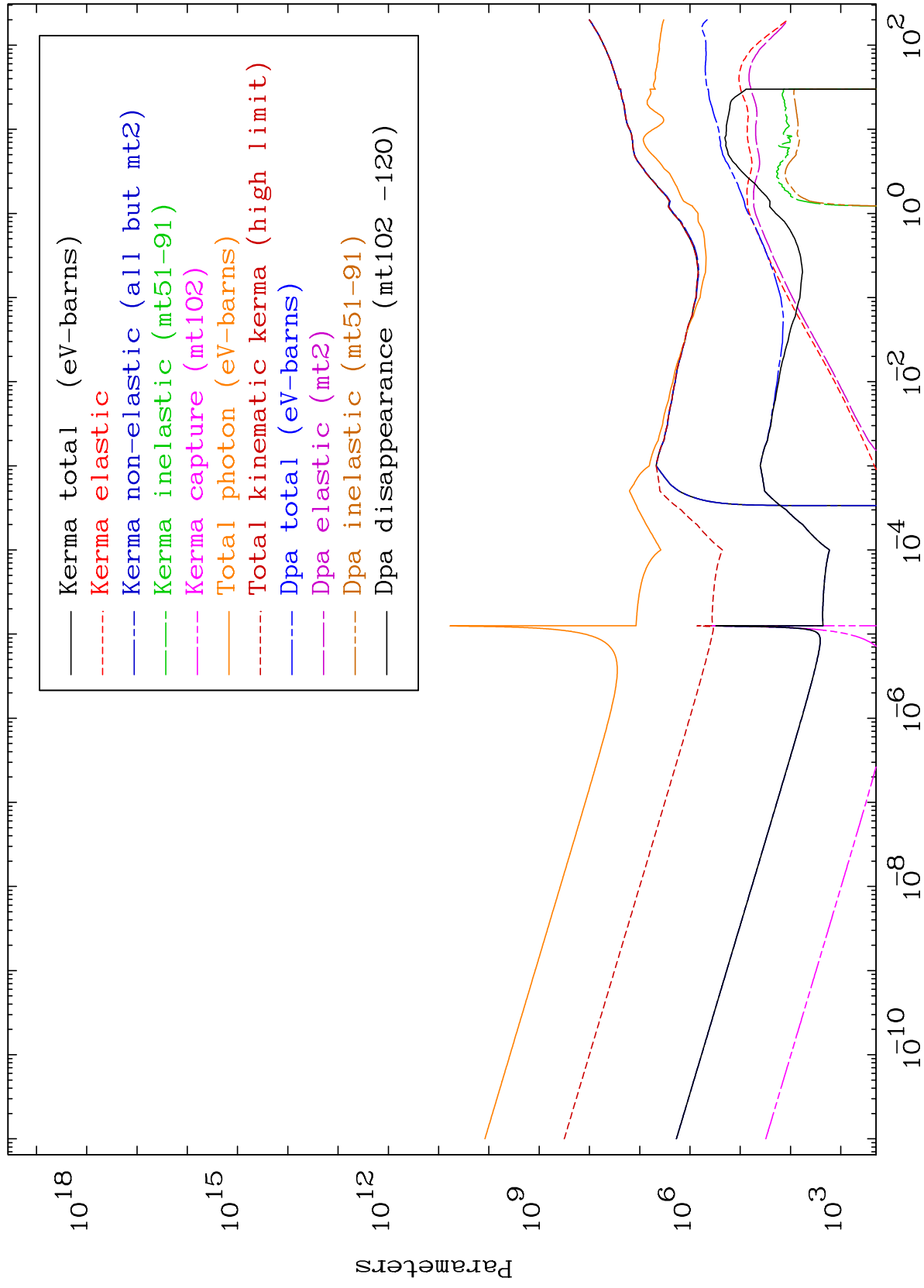
50-Sn-106



13

Incident Energy (MeV)

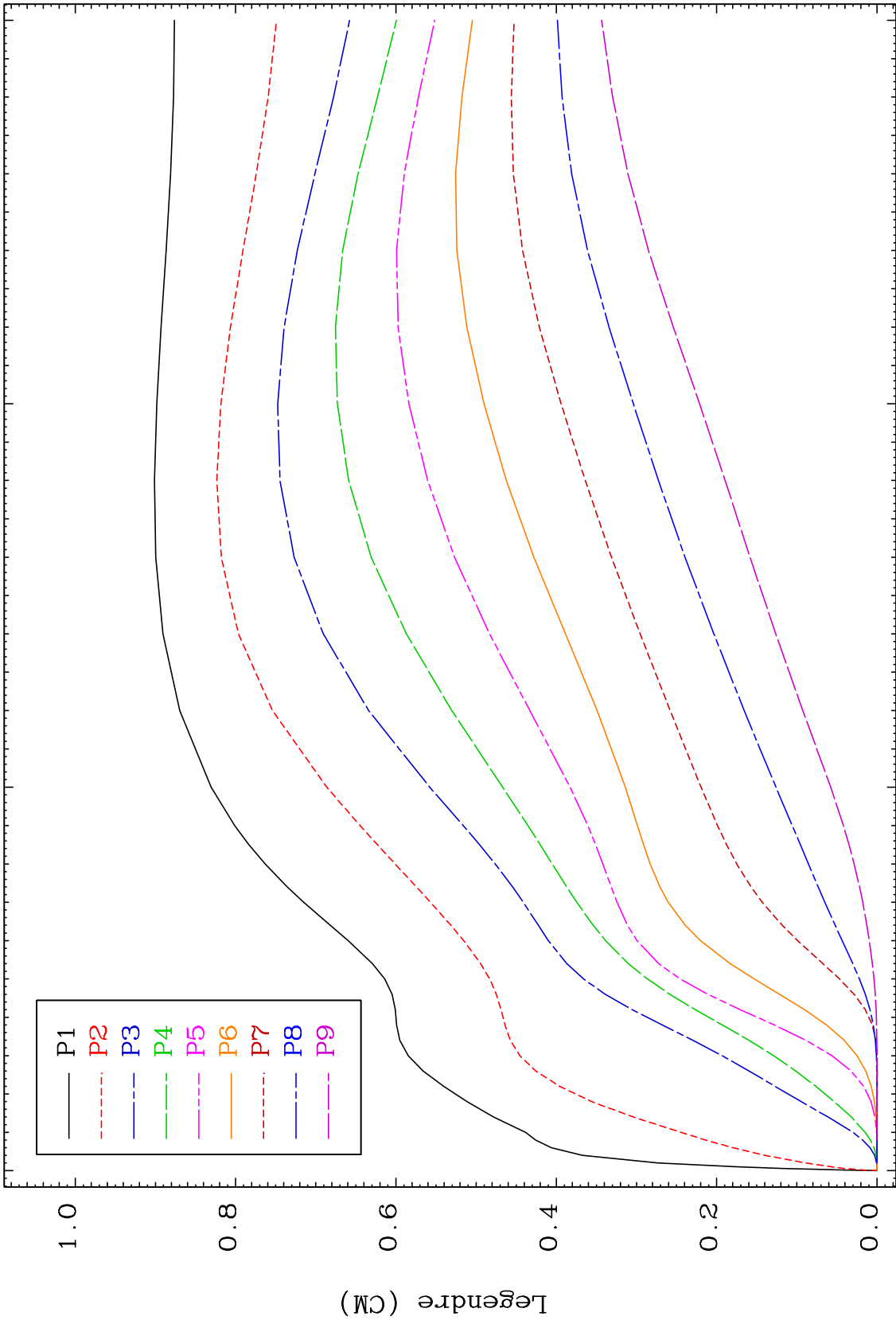
50-Sn-106



MAT 5007

Elastic Legendre Coefficients

50-Sn-106



0

15

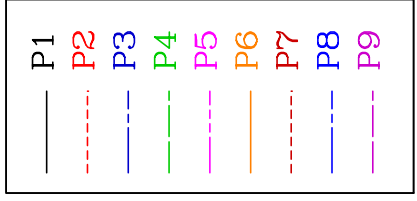
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20

30

Incident Energy (MeV)

50-Sn-106



1.0

0.8

0.6

0.4

0.2

0.0

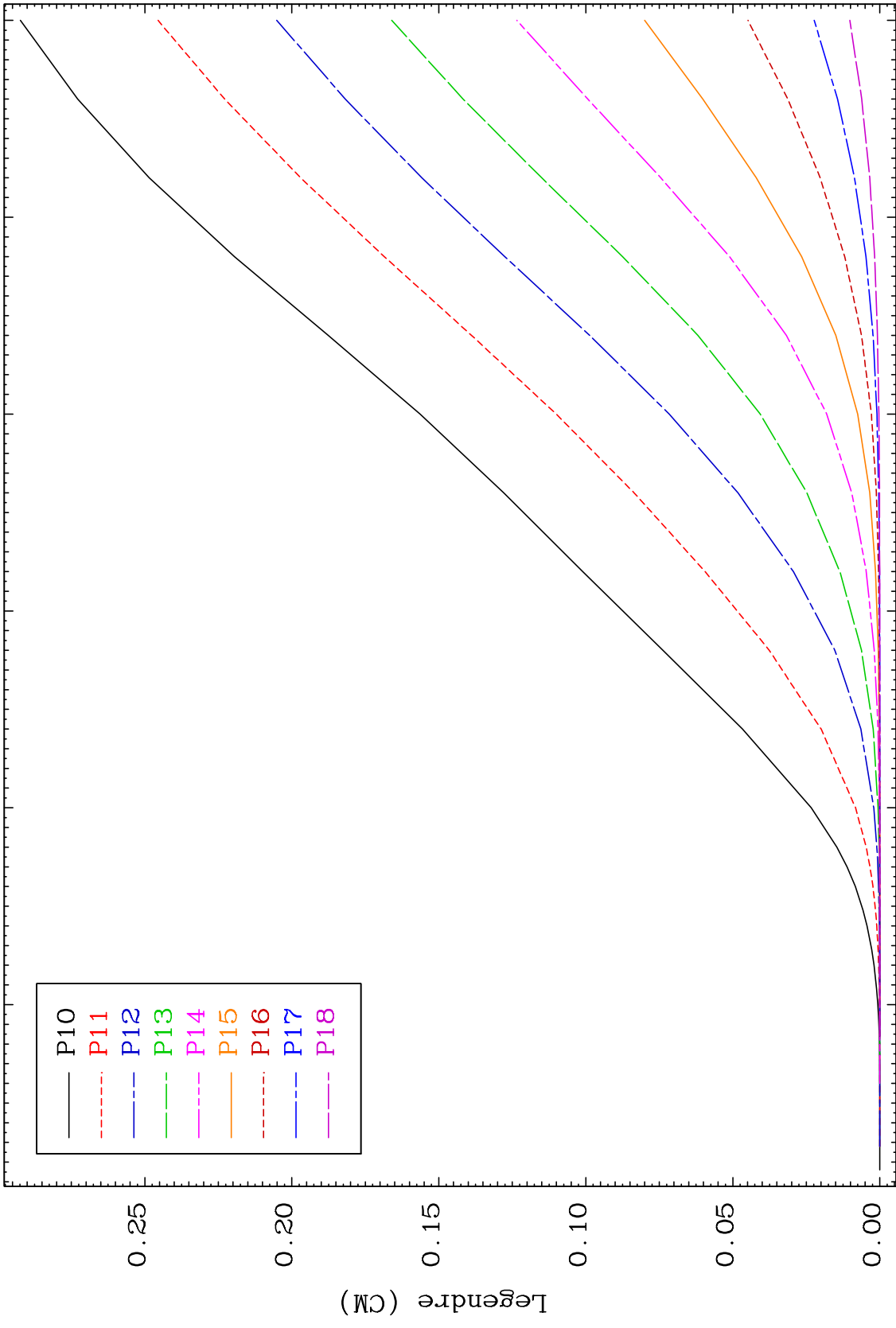
Legendre (CM)



MAT 5007

Elastic Legendre Coefficients

50-Sn-106



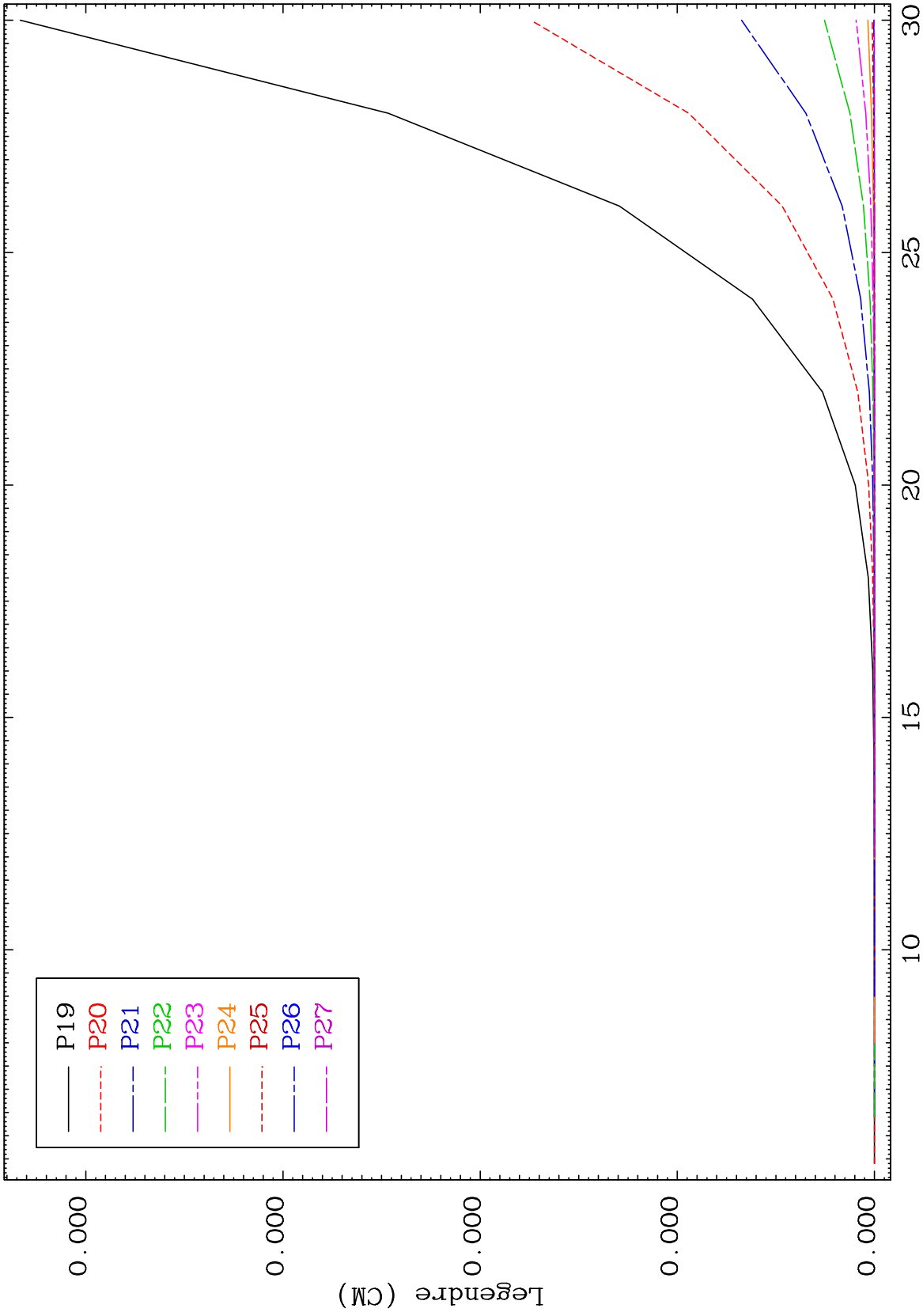
16

50-Sn-106

MAT 5007

Elastic  
Legendre Coefficients

50-Sn-106



17

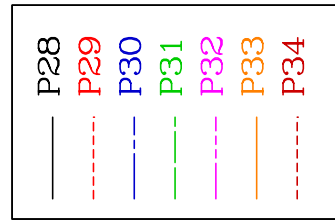
Incident Energy (MeV)

50-Sn-106

MAT 5007

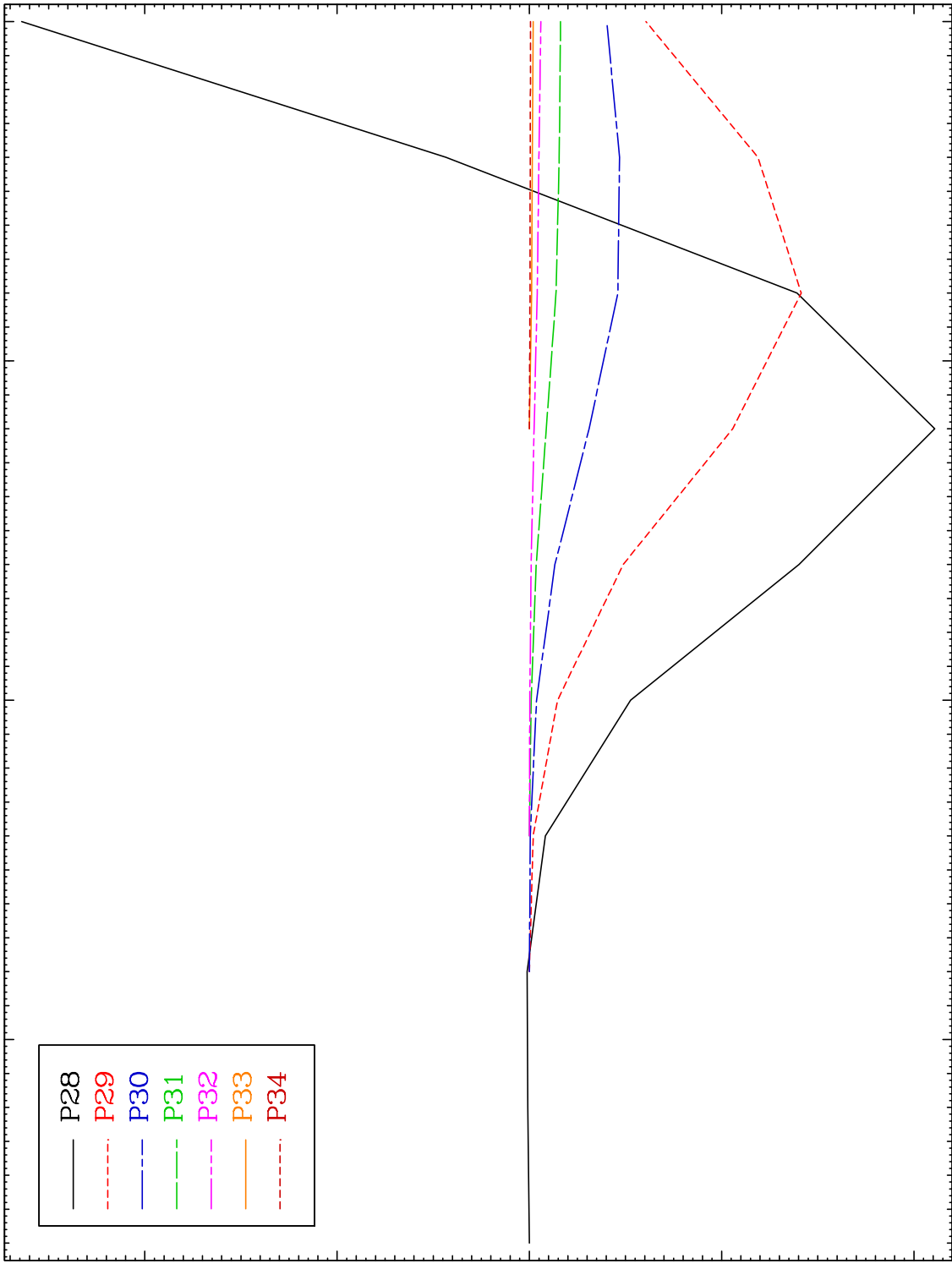
Elastic Legendre Coefficients

50-Sn-106



$\times 10^{-7}$

Legendre (CM)

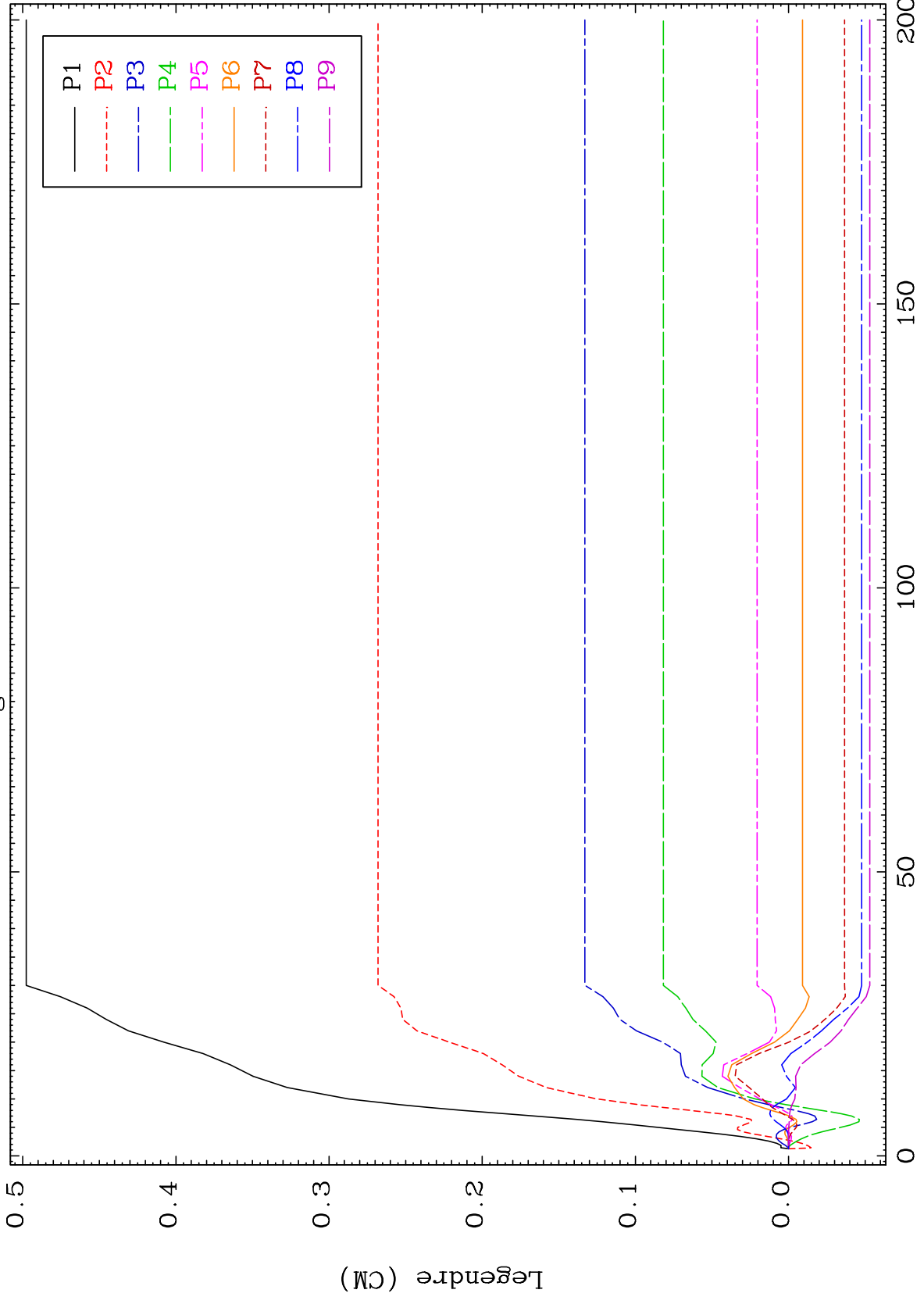


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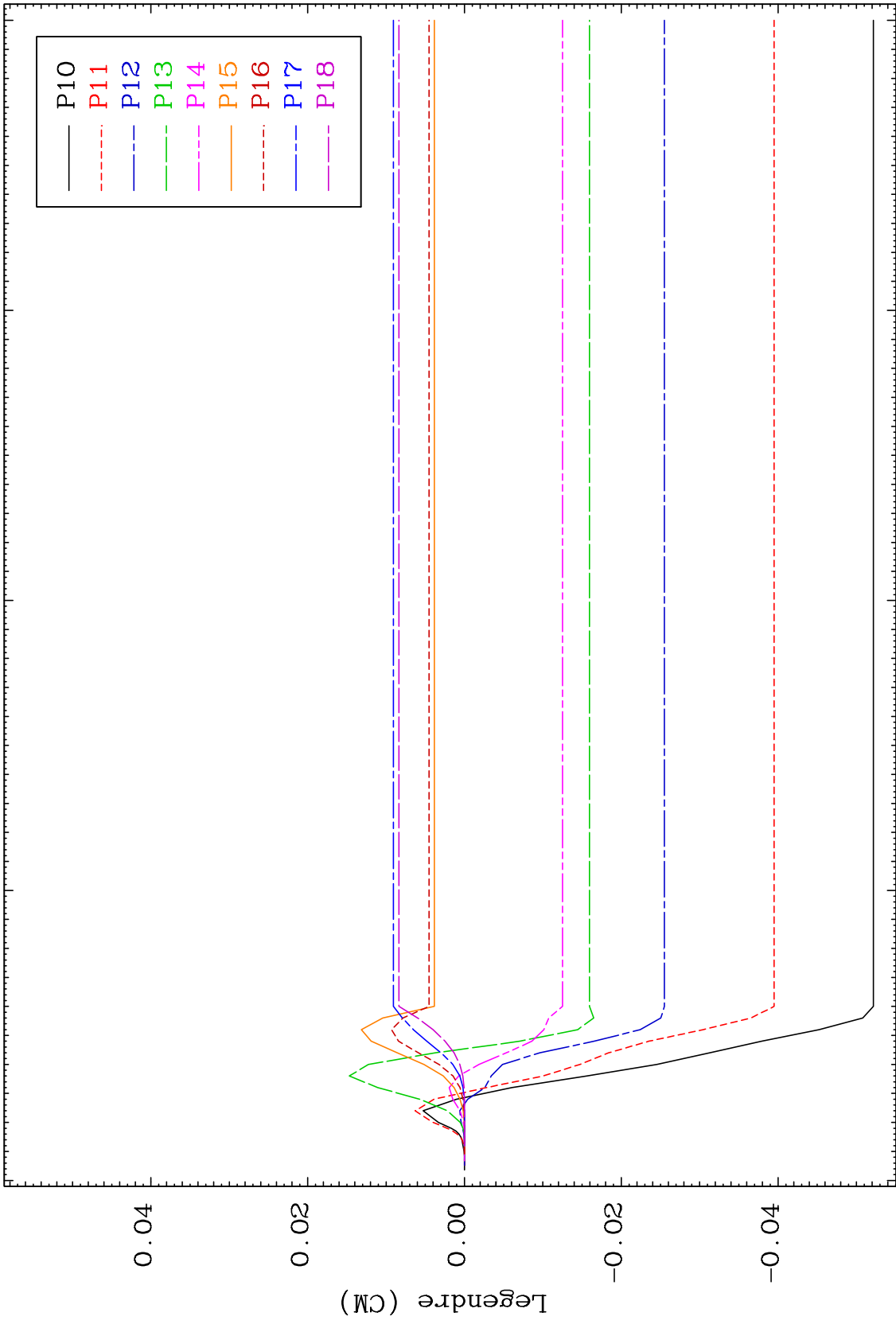
Incident Energy (MeV)

50-Sn-106

MAT 5007 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-106

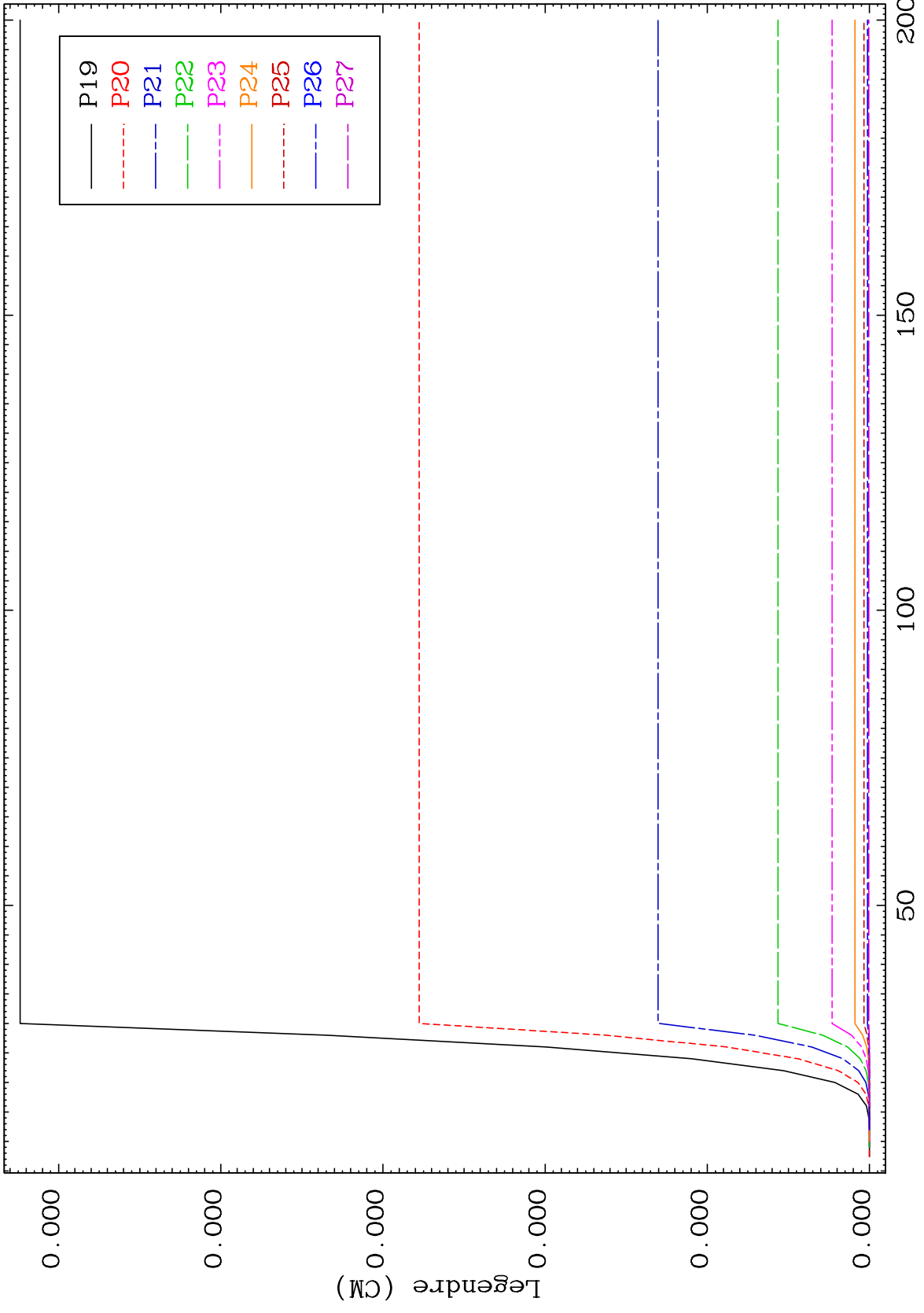


MAT 5007 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-106



Incident Energy (MeV) 50-Sn-106

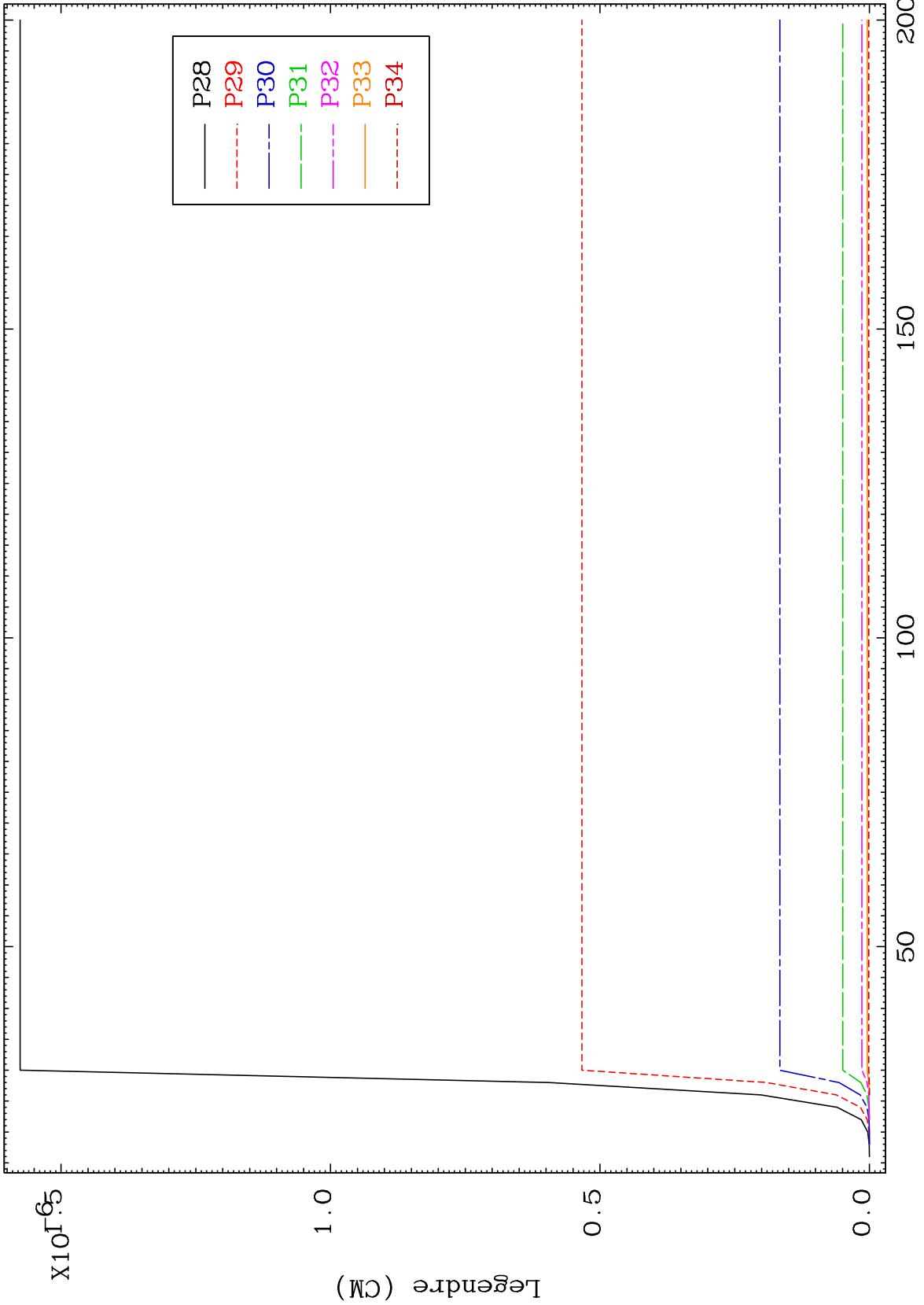
MAT 5007 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-106



MAT 5007

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

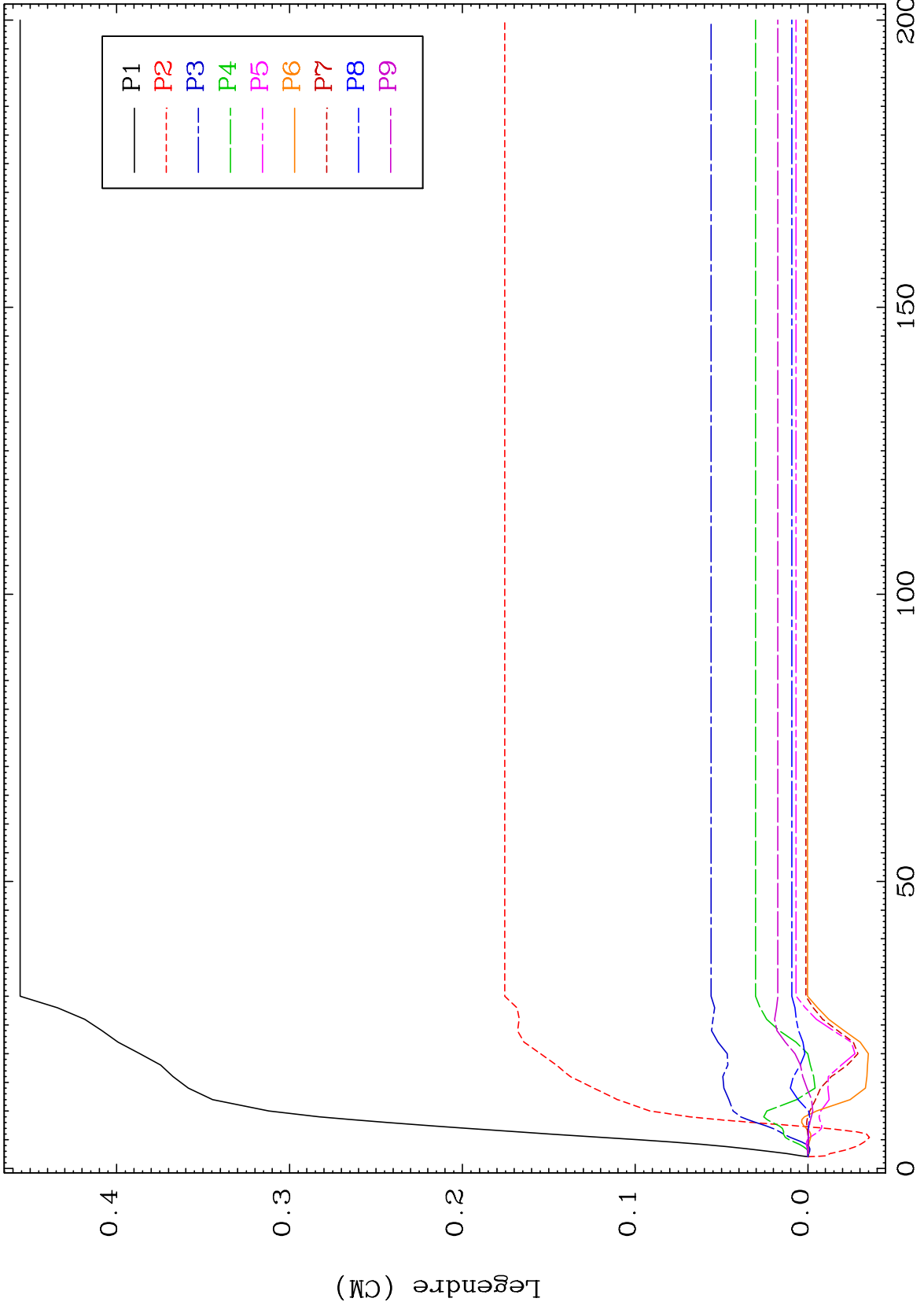
50-Sn-106



22

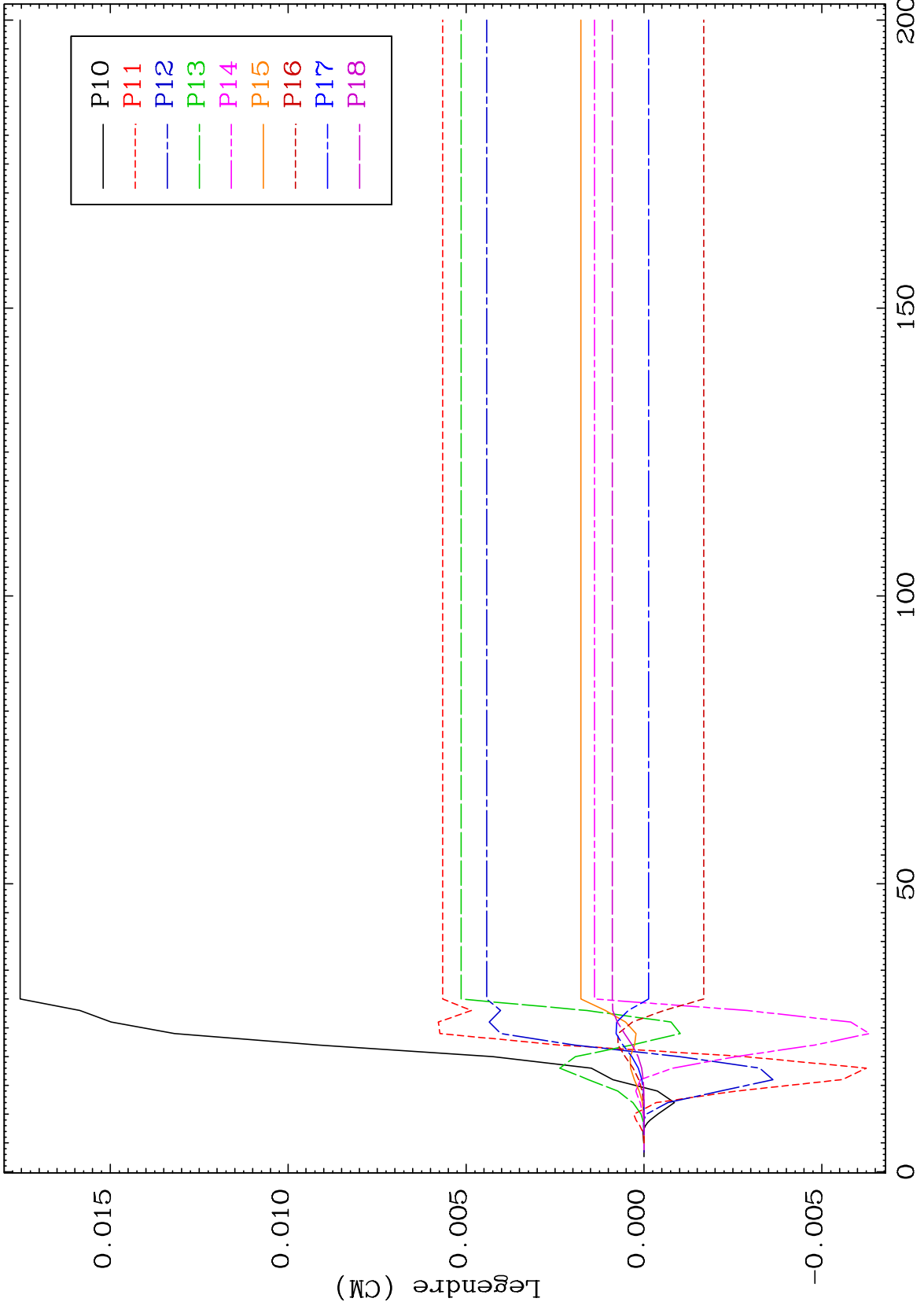
50-Sn-106

MAT 5007 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-106





MAT 5007 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-106

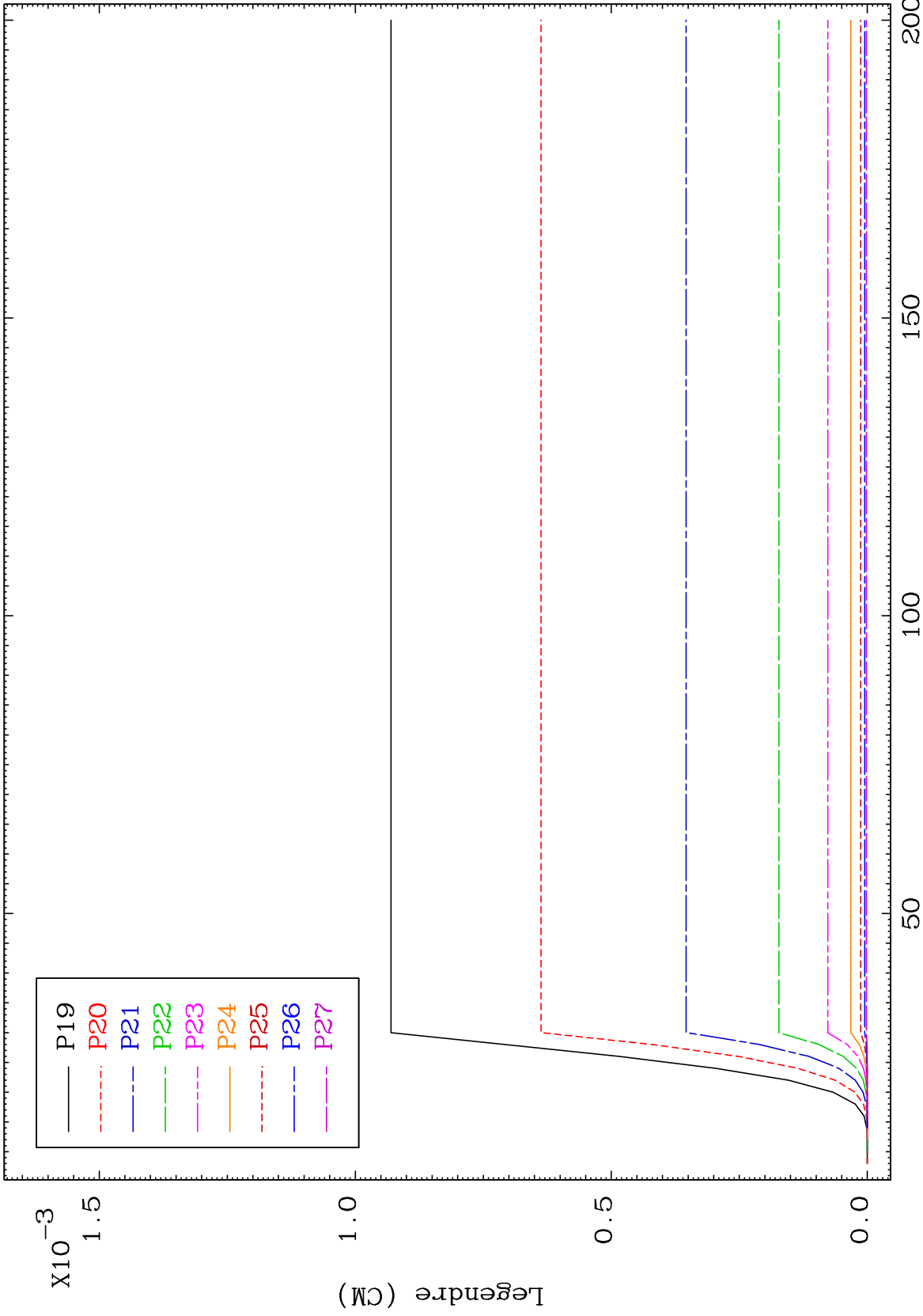


24 Incident Energy (MeV) 50-Sn-106

MAT 5007

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

50-Sn-106



25

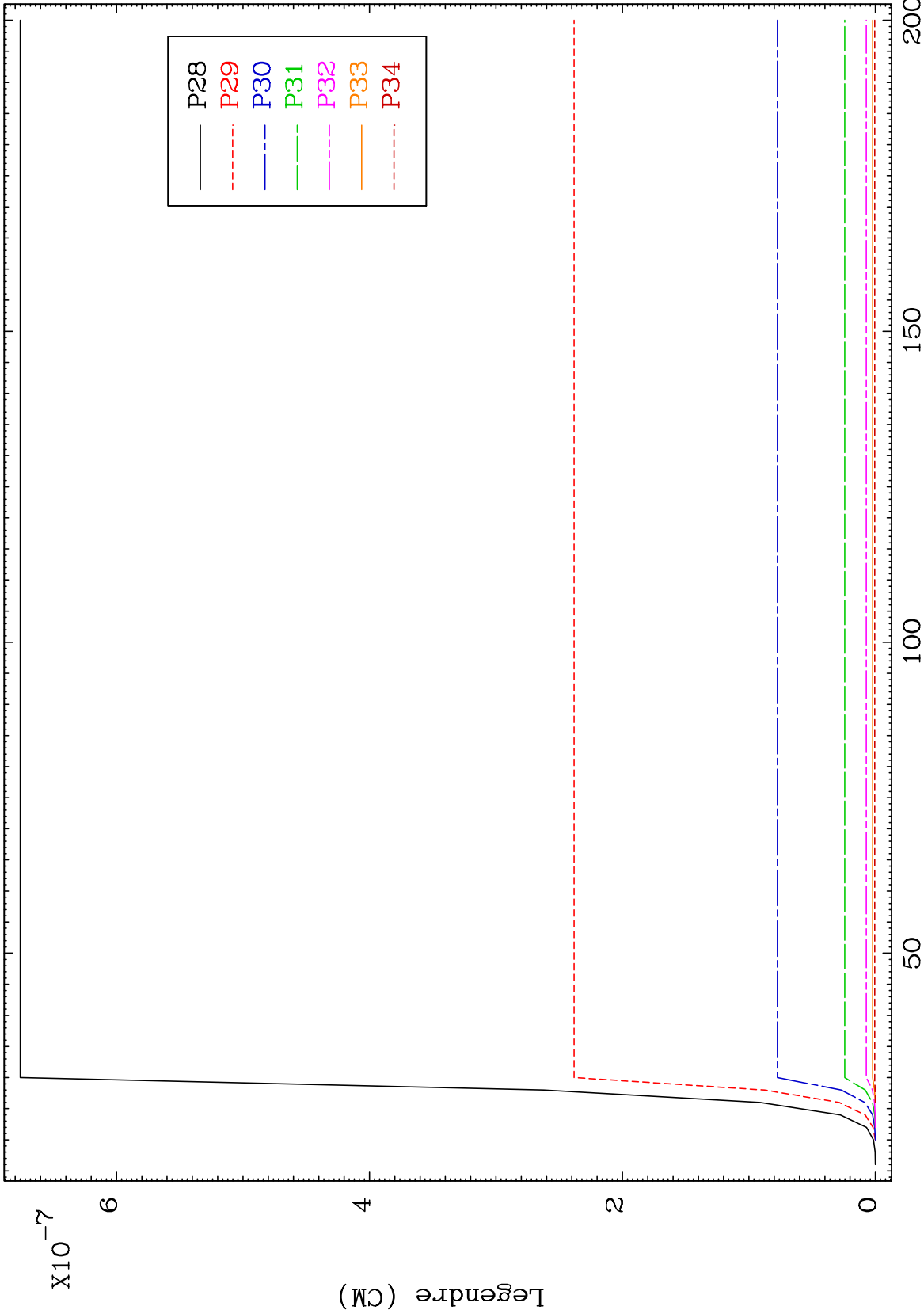
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106



26

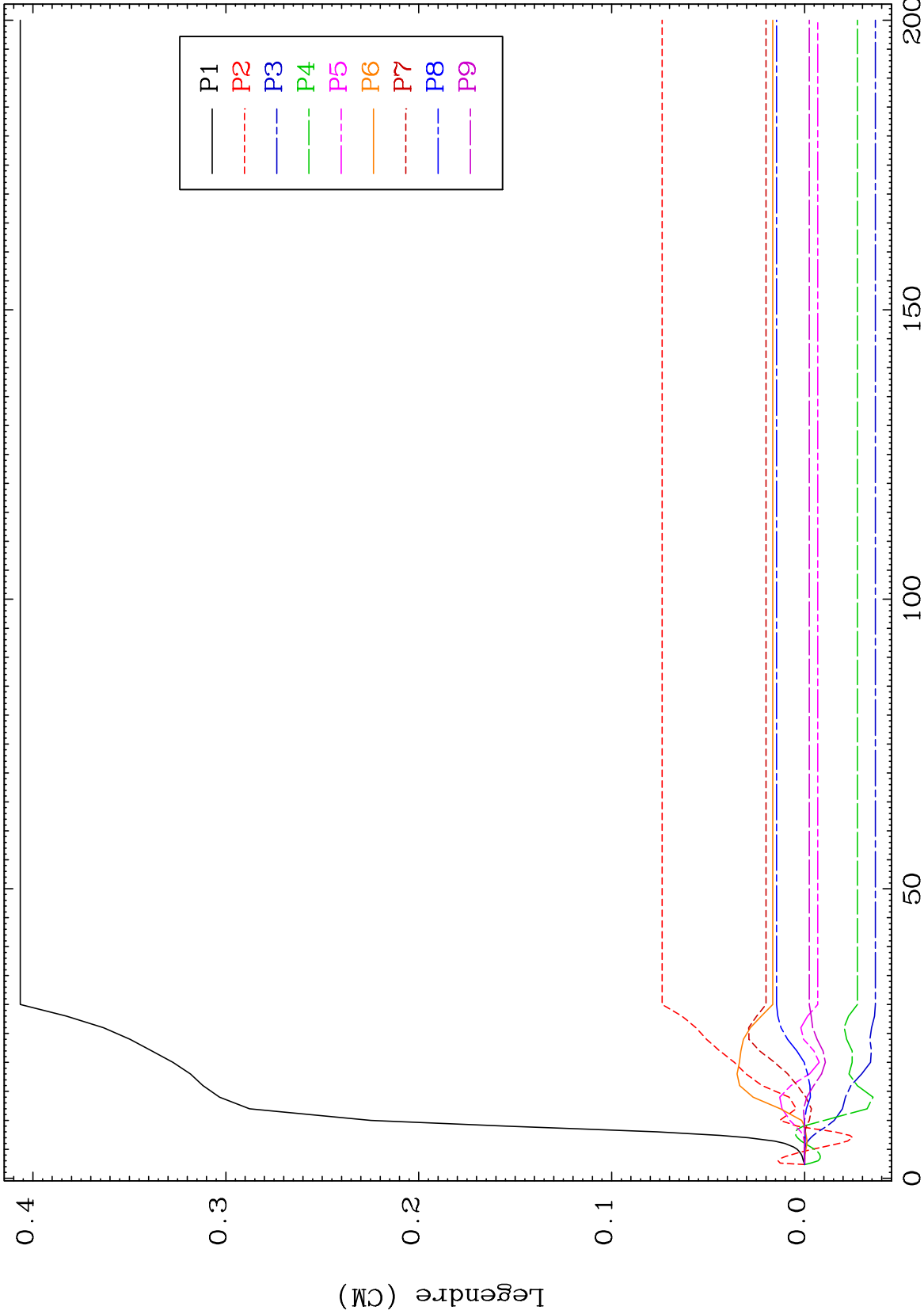
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106



27

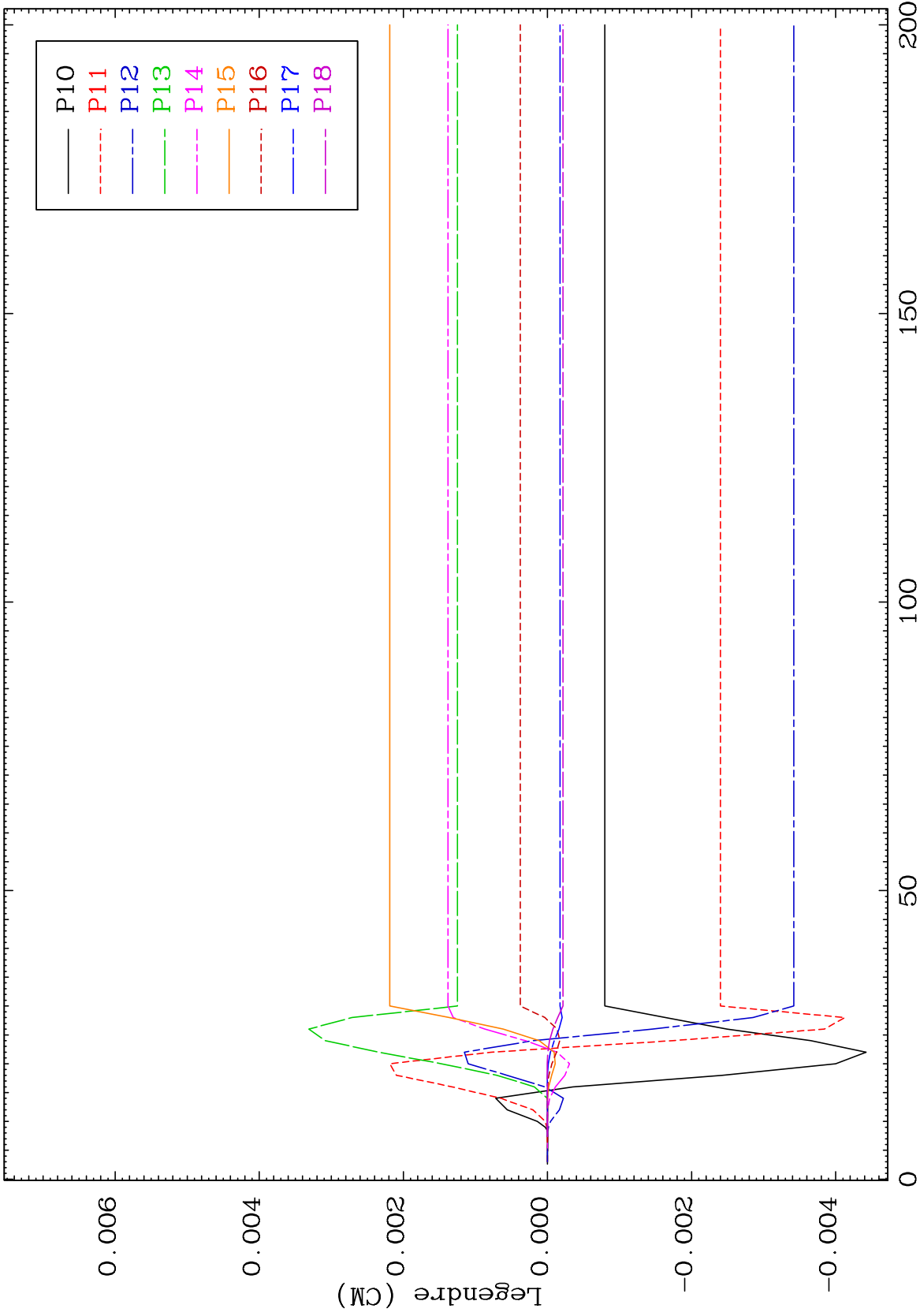
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106



28

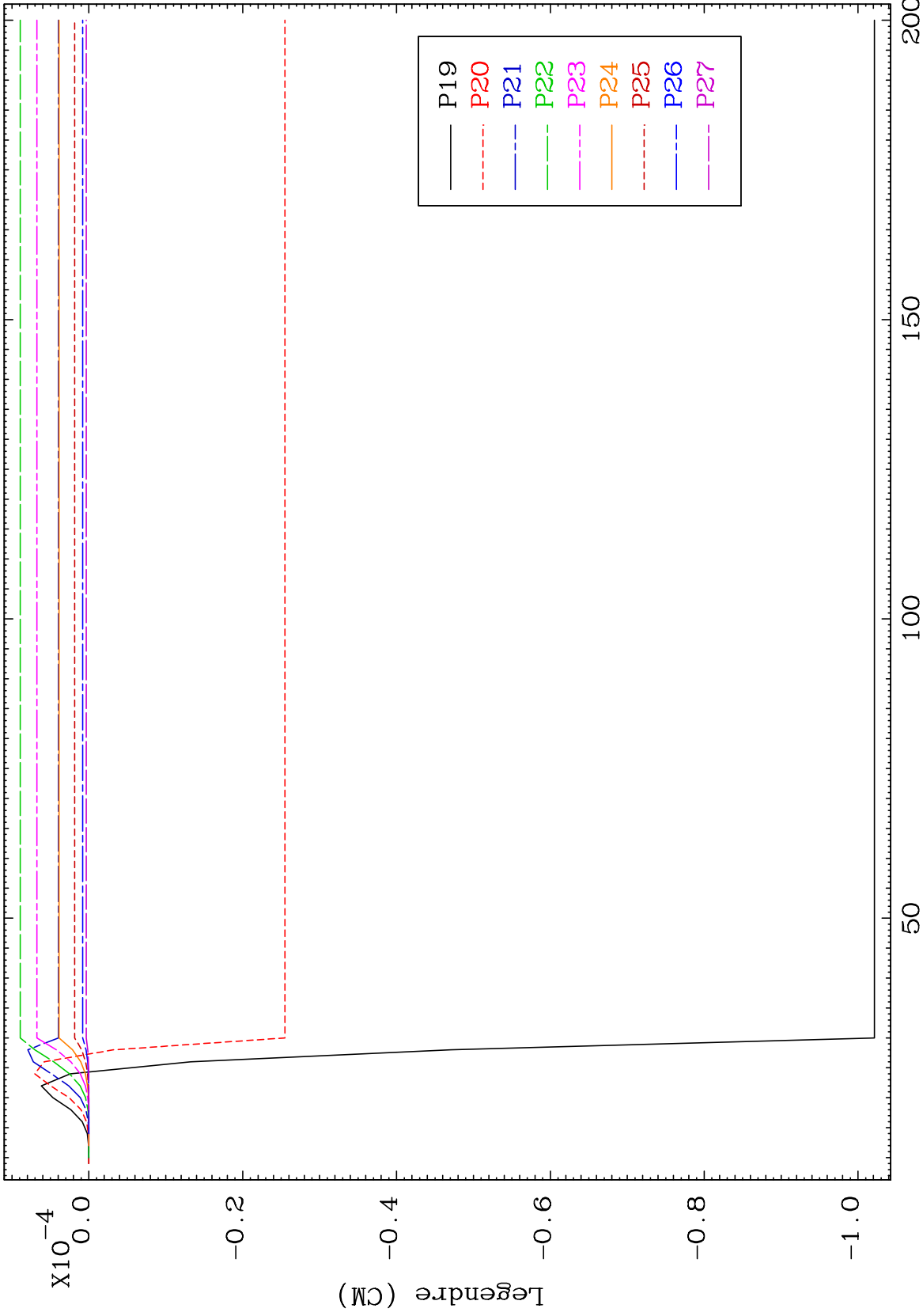
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106

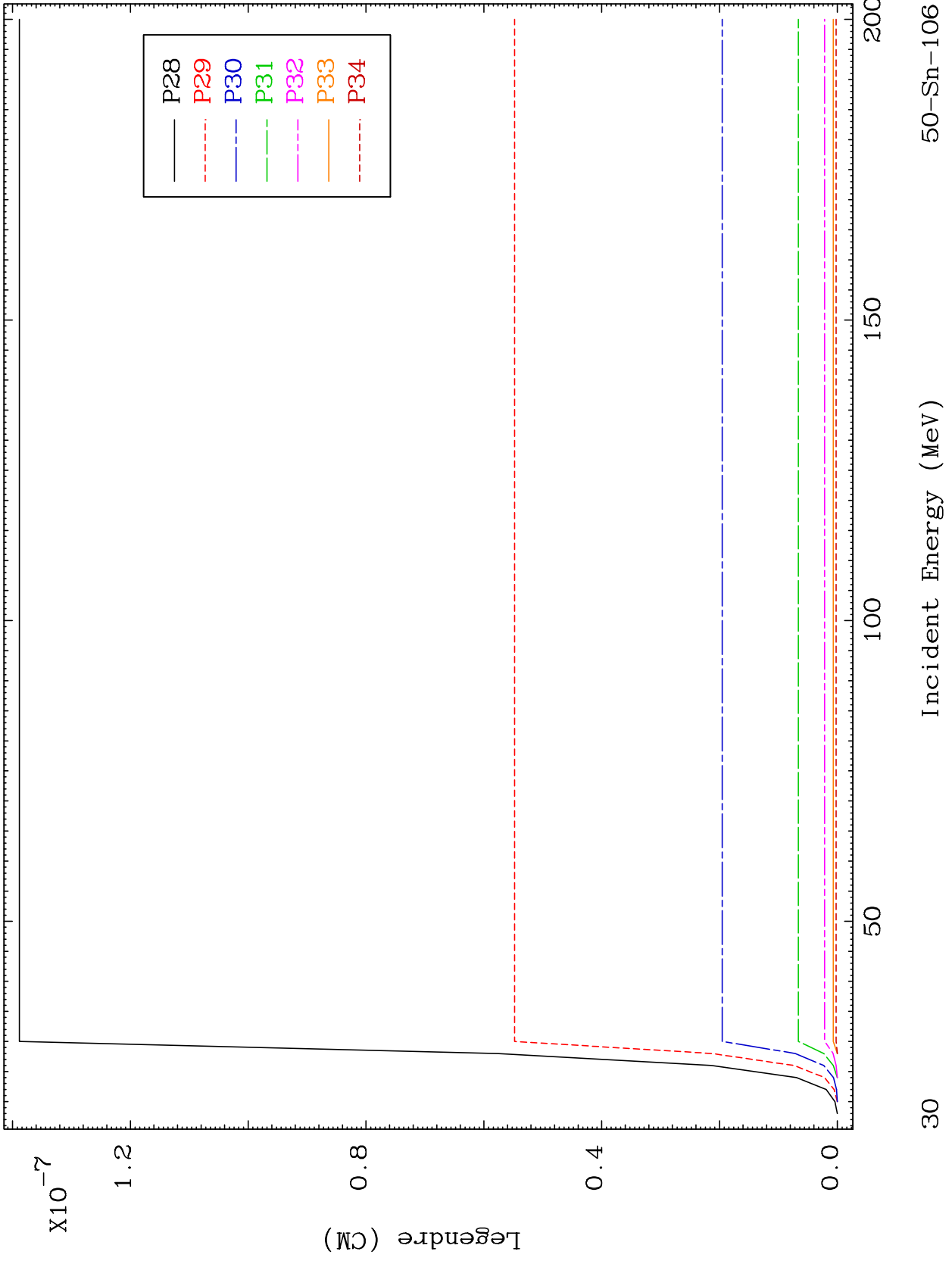


29

Incident Energy (MeV)

50-Sn-106

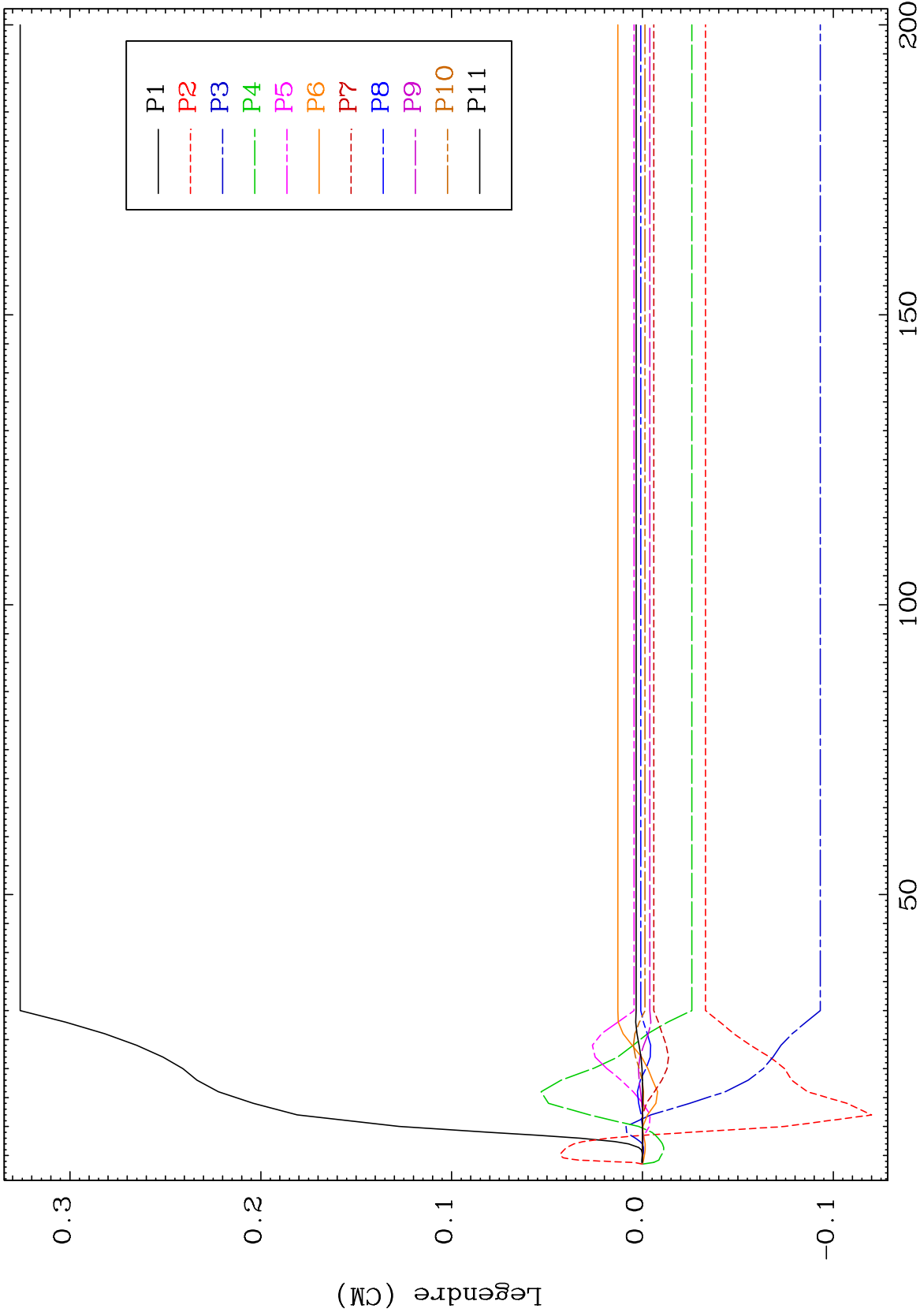
MAT 5007 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-106



MAT 5007

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

50-Sn-106



31

Incident Energy (MeV)

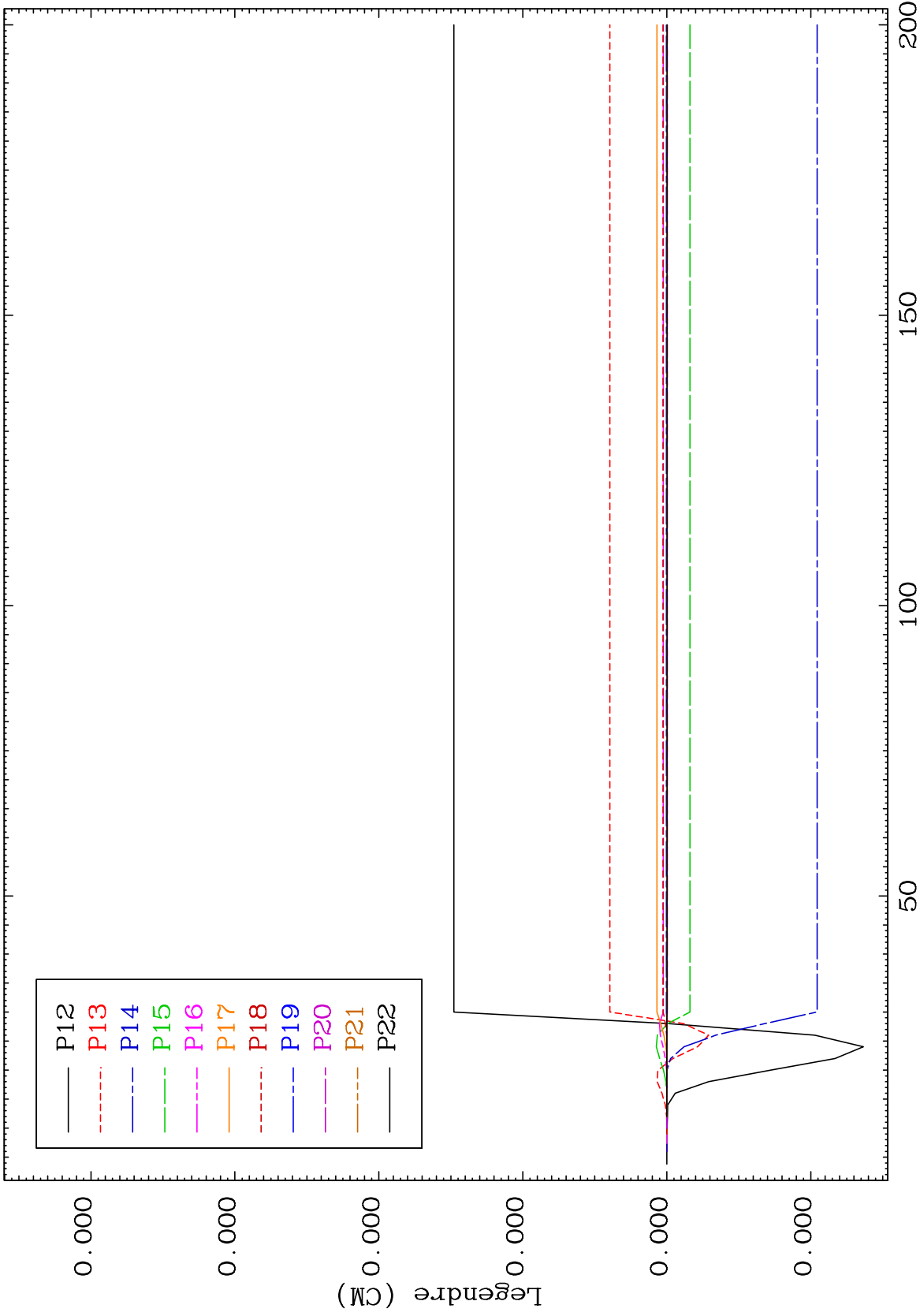
50-Sn-106



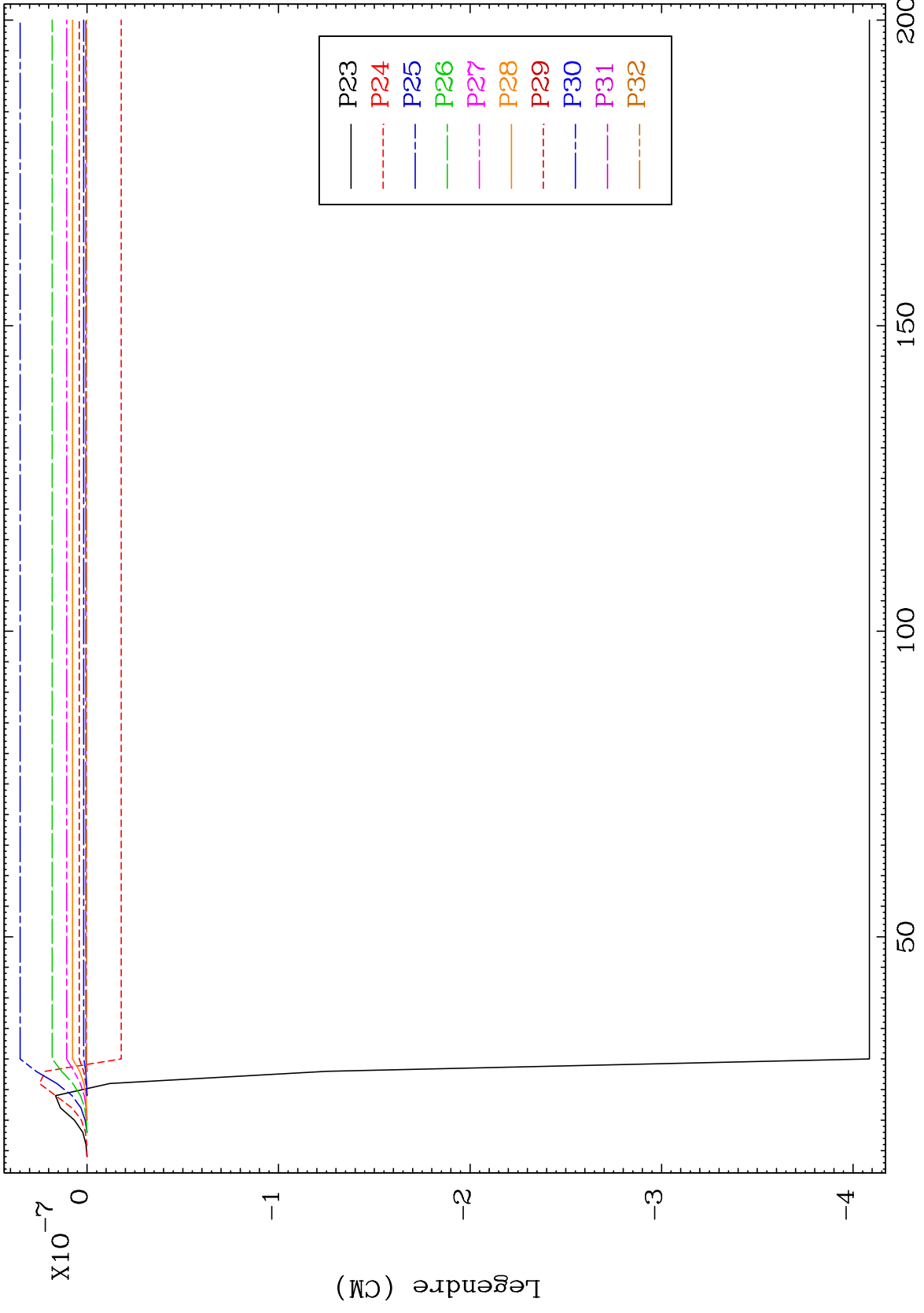
MAT 5007

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

50-Sn-106



MAT 5007 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-106

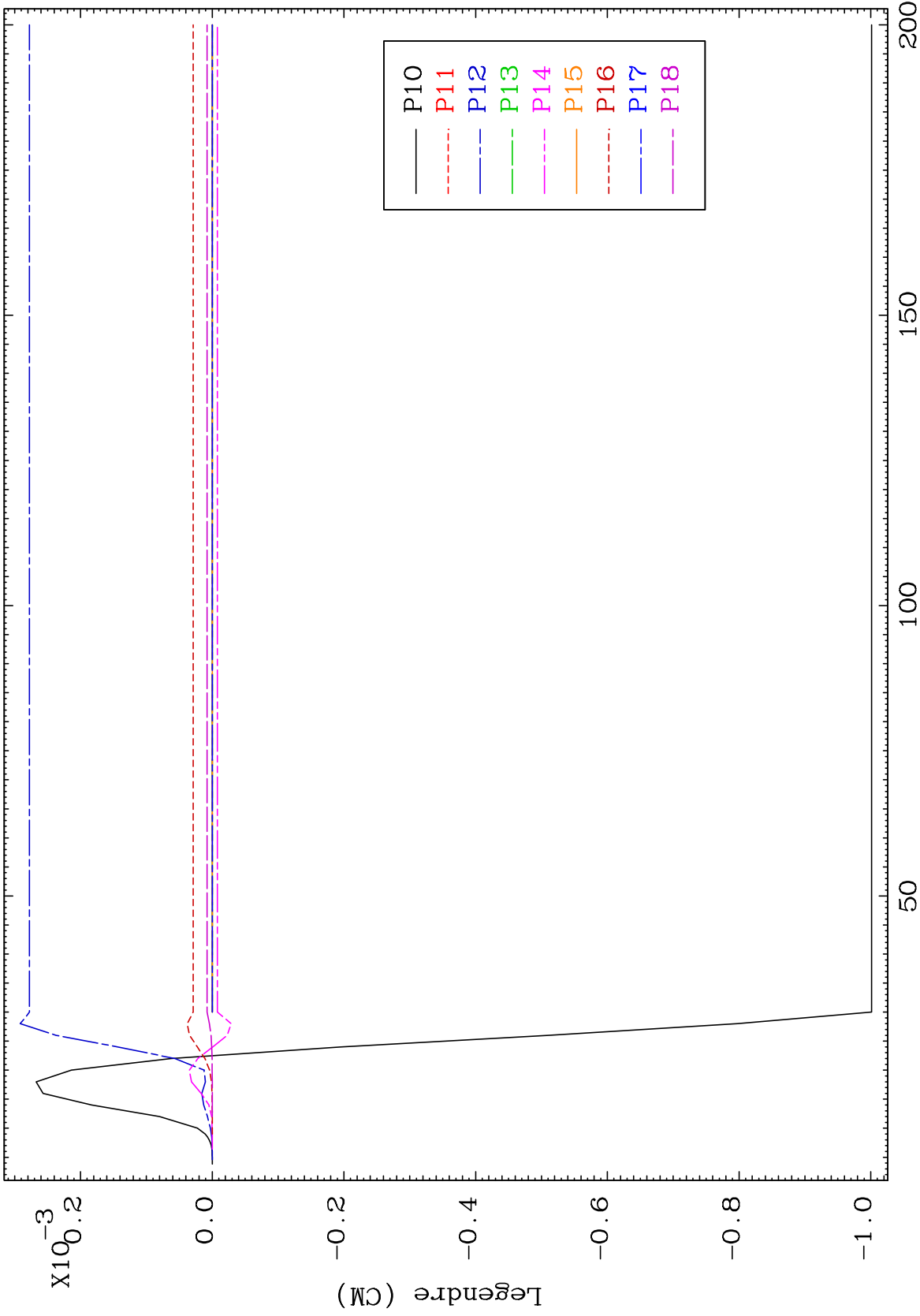




MAT 5007

MT= 55 (n,n') Level  
Legendre Coefficients

50-Sn-106

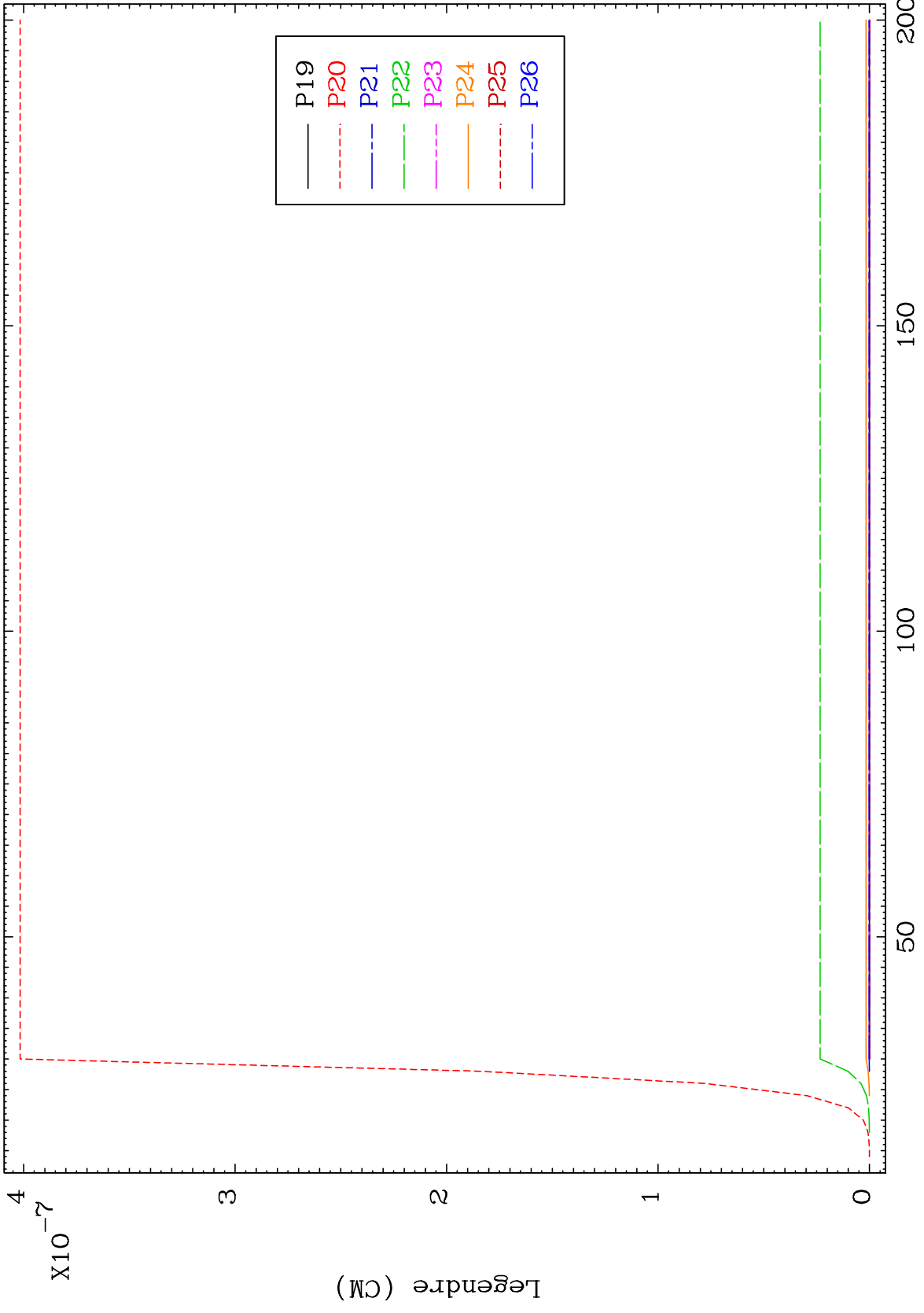


35

Incident Energy (MeV)

50-Sn-106

MAT 5007 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-106

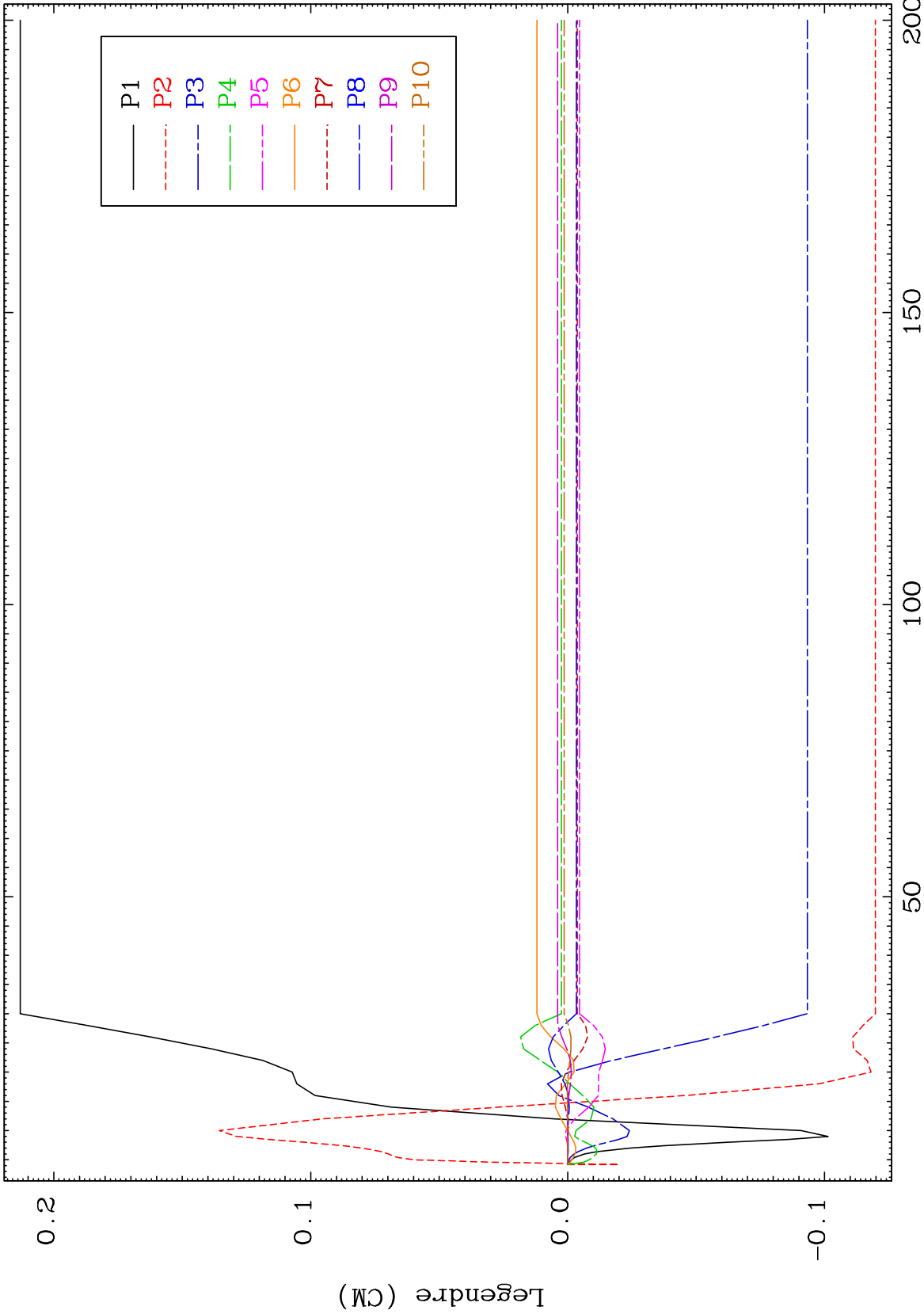


36 Incident Energy (MeV) 50-Sn-106

MAT 5007

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

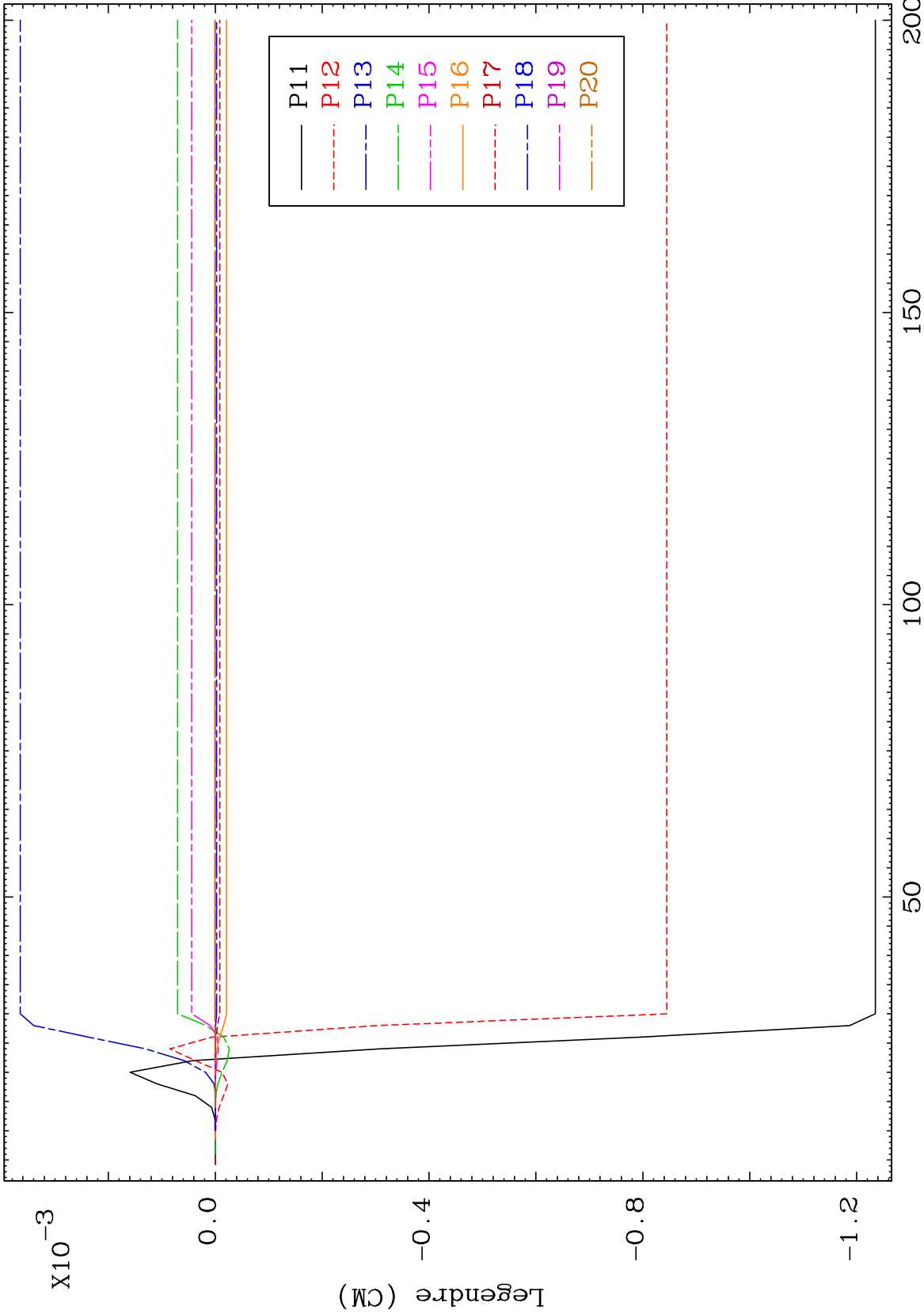
50-Sn-106



MAT 5007

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

50-Sn-106



38

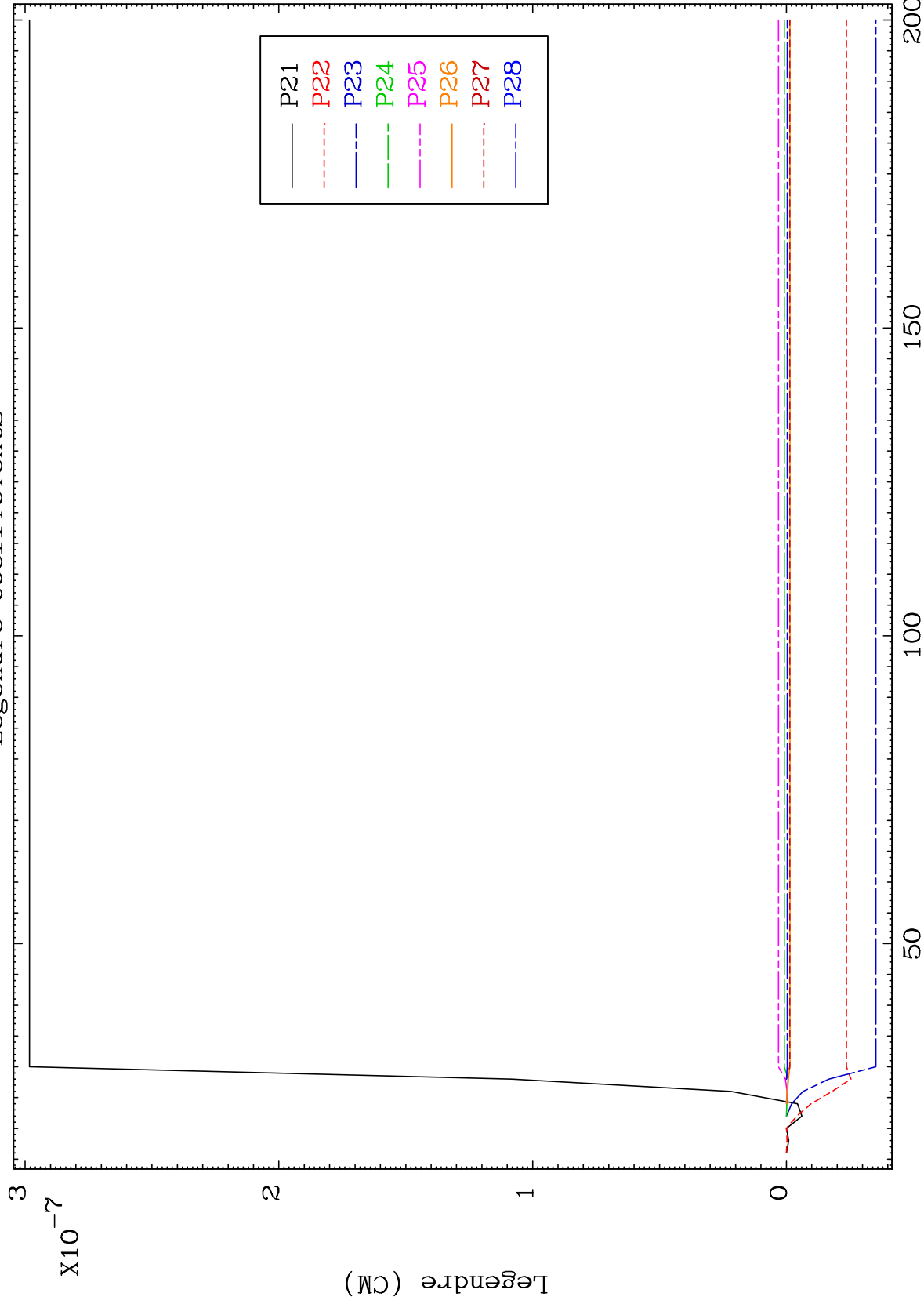
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106



39

Incident Energy (MeV)

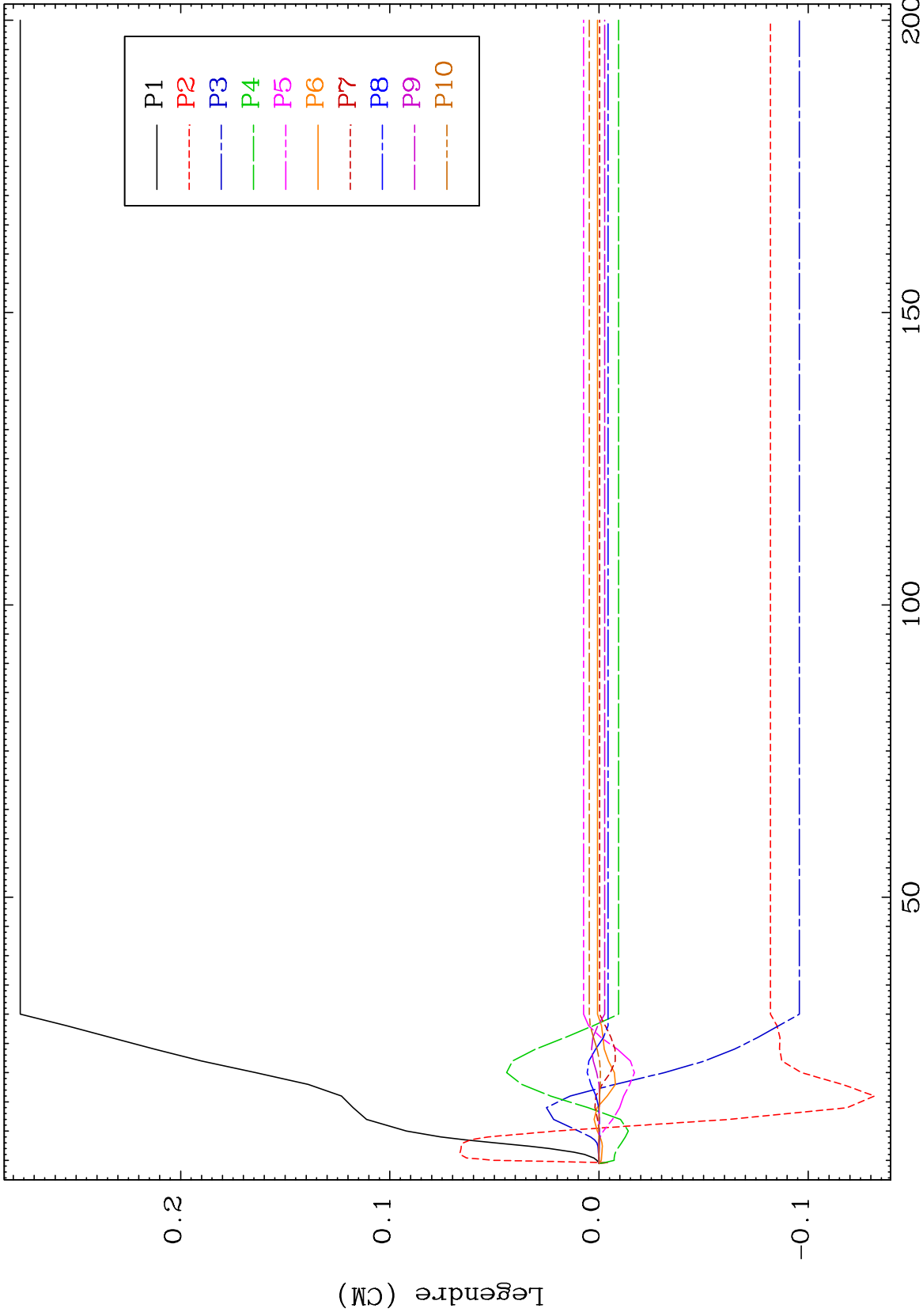
50-Sn-106



MAT 5007

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

50-Sn-106



40

50

100

150

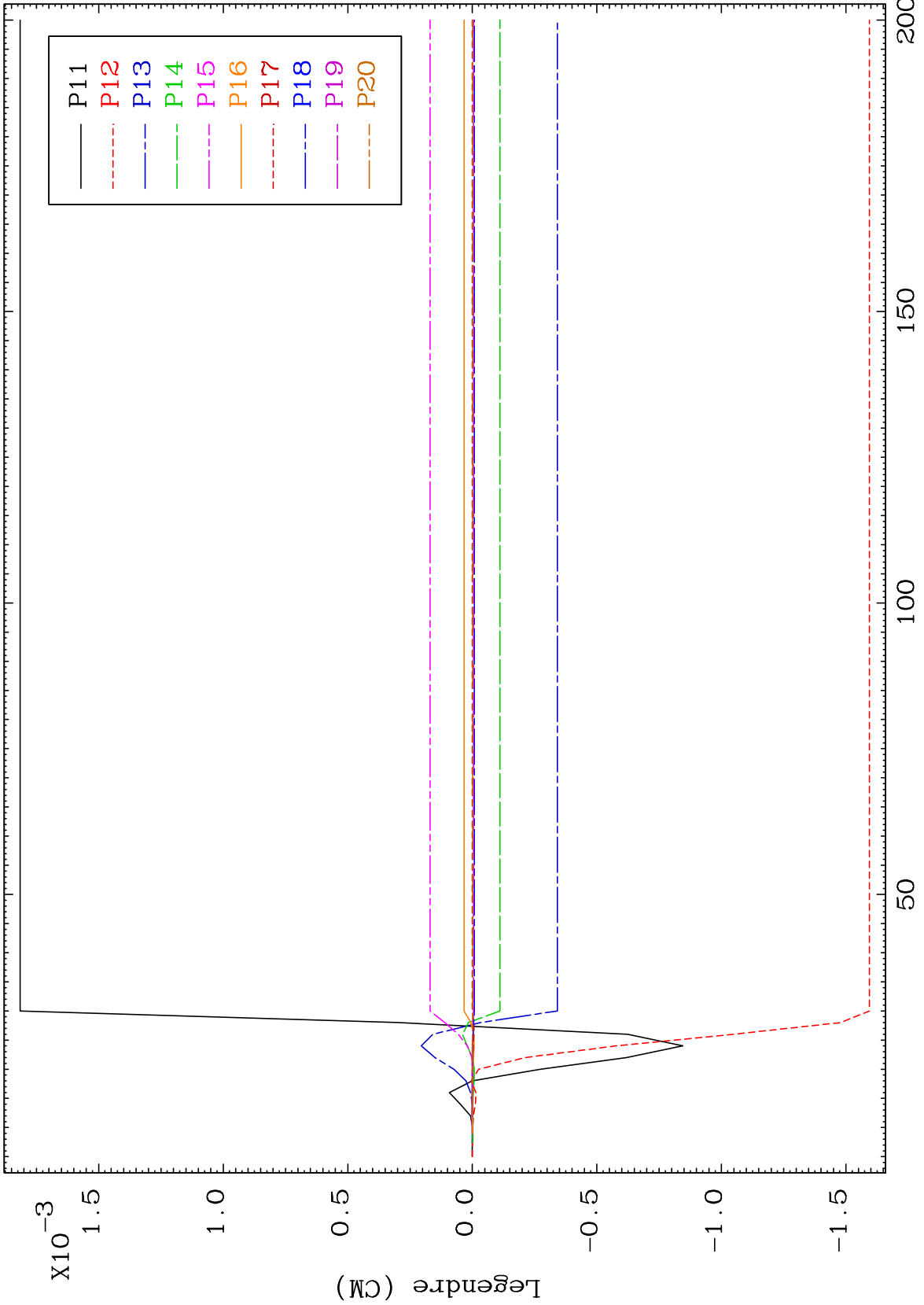
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50-Sn-106

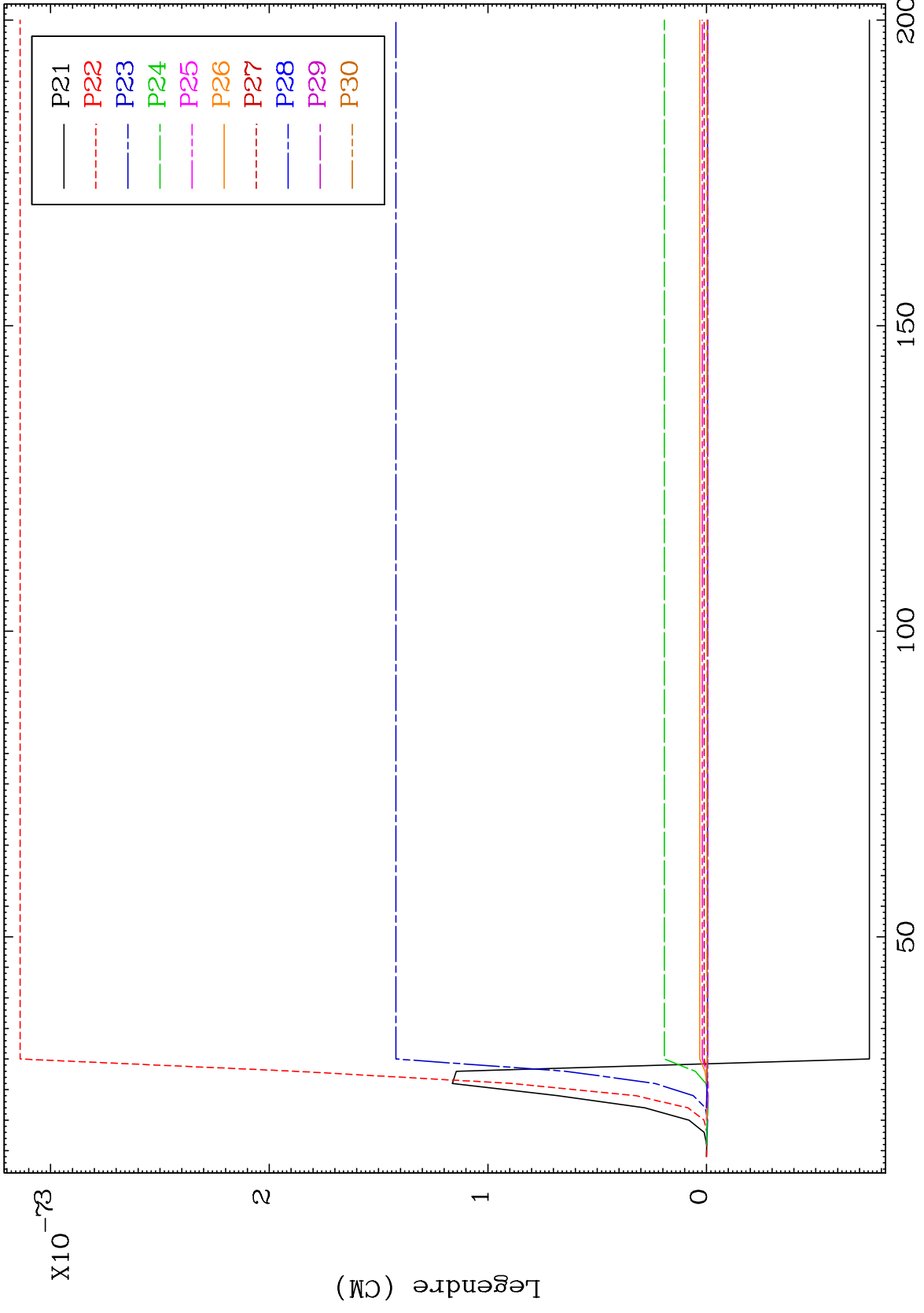
MAT 5007

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

50-Sn-106



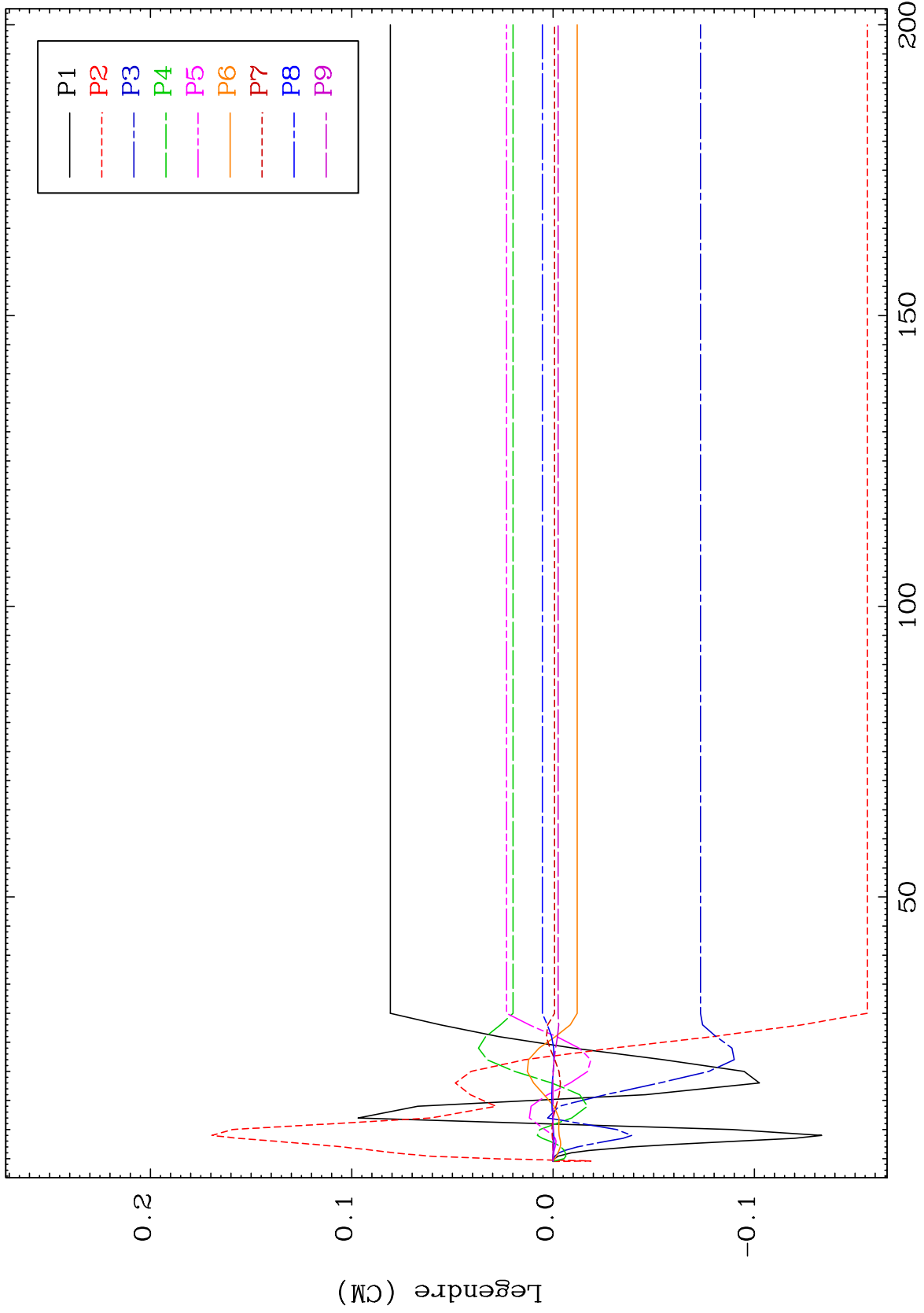
MAT 5007 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-106



MAT 5007

MT= 58 (n,n') Level  
Legendre Coefficients

50-Sn-106



43

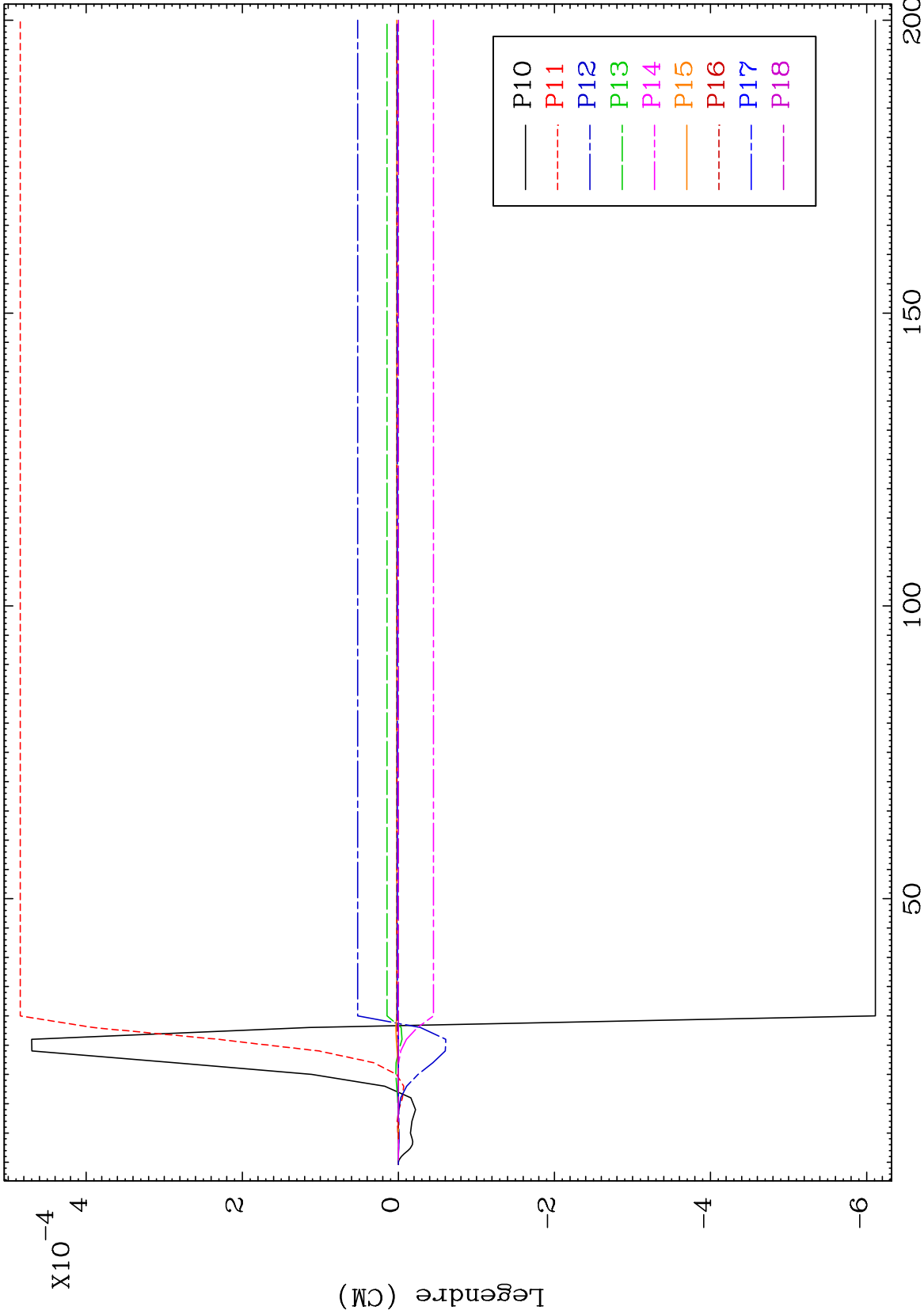
Incident Energy (MeV)

50-Sn-106

MAT 5007

MT= 58 (n,n') Level  
Legendre Coefficients

50-Sn-106

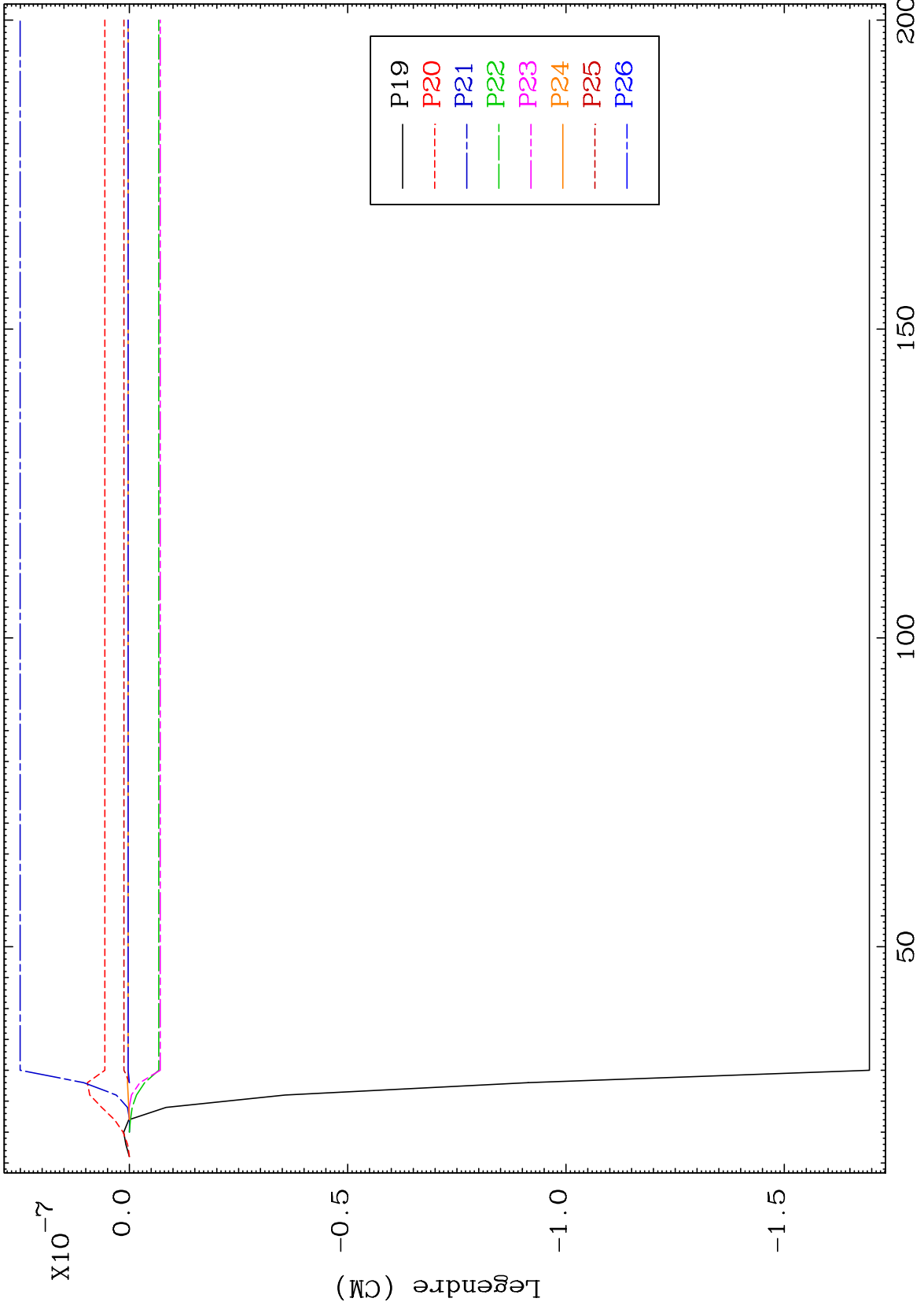


44

Incident Energy (MeV)

50-Sn-106

MAT 5007 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-106



45

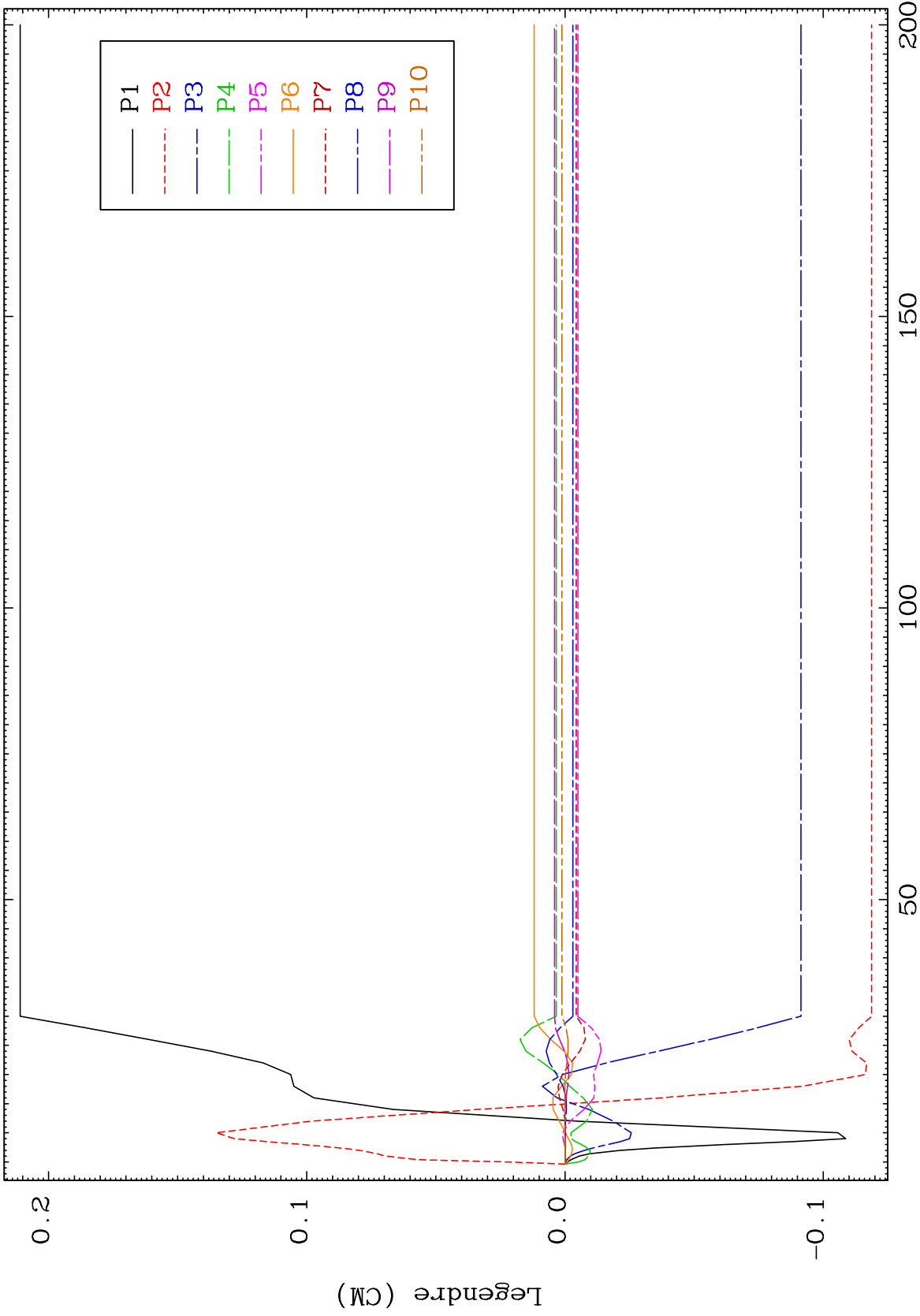
Incident Energy (MeV)

50-Sn-106

MAT 5007

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

50-Sn-106

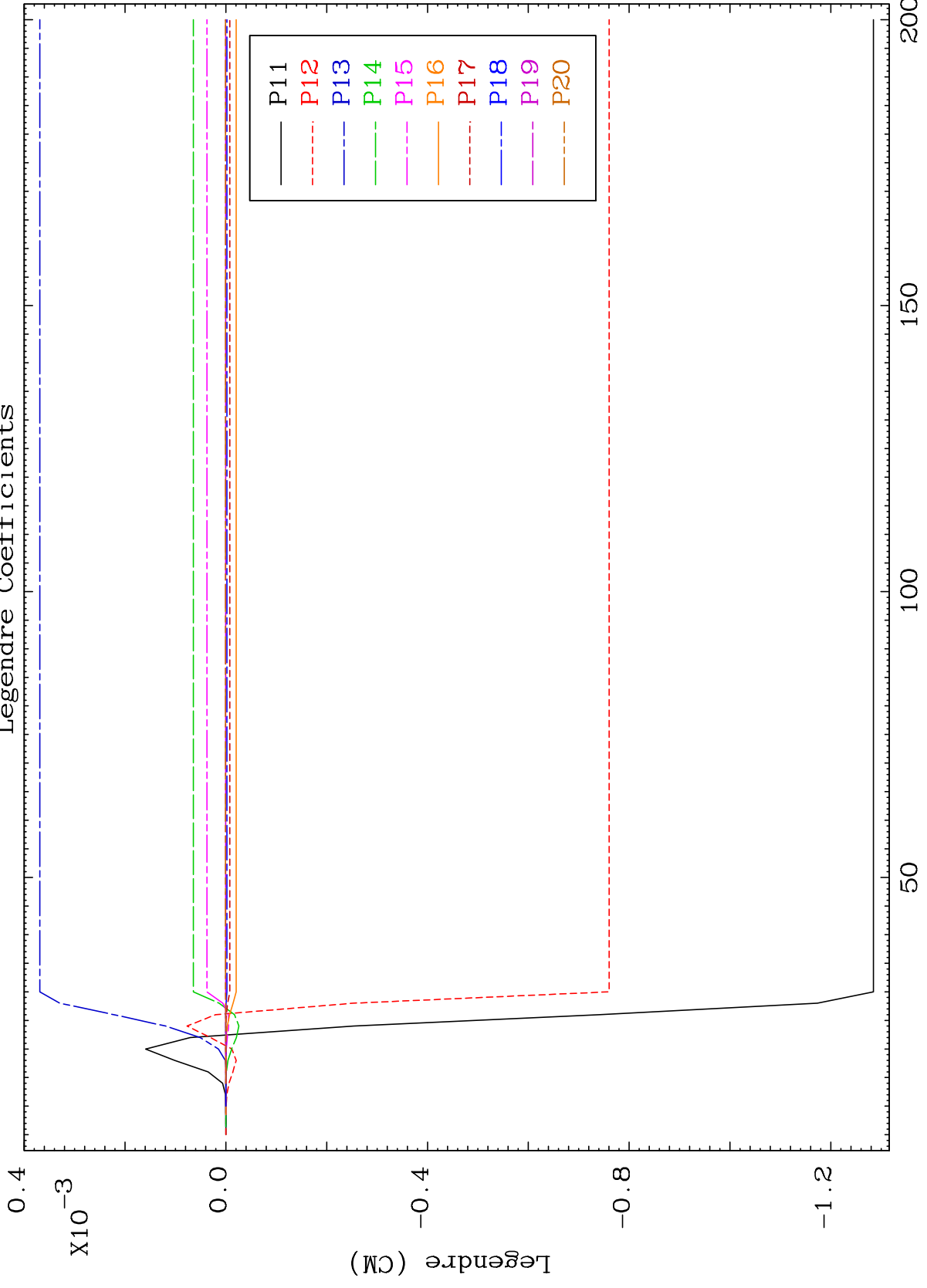


46

Incident Energy (MeV)

50-Sn-106

MAT 5007 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-106

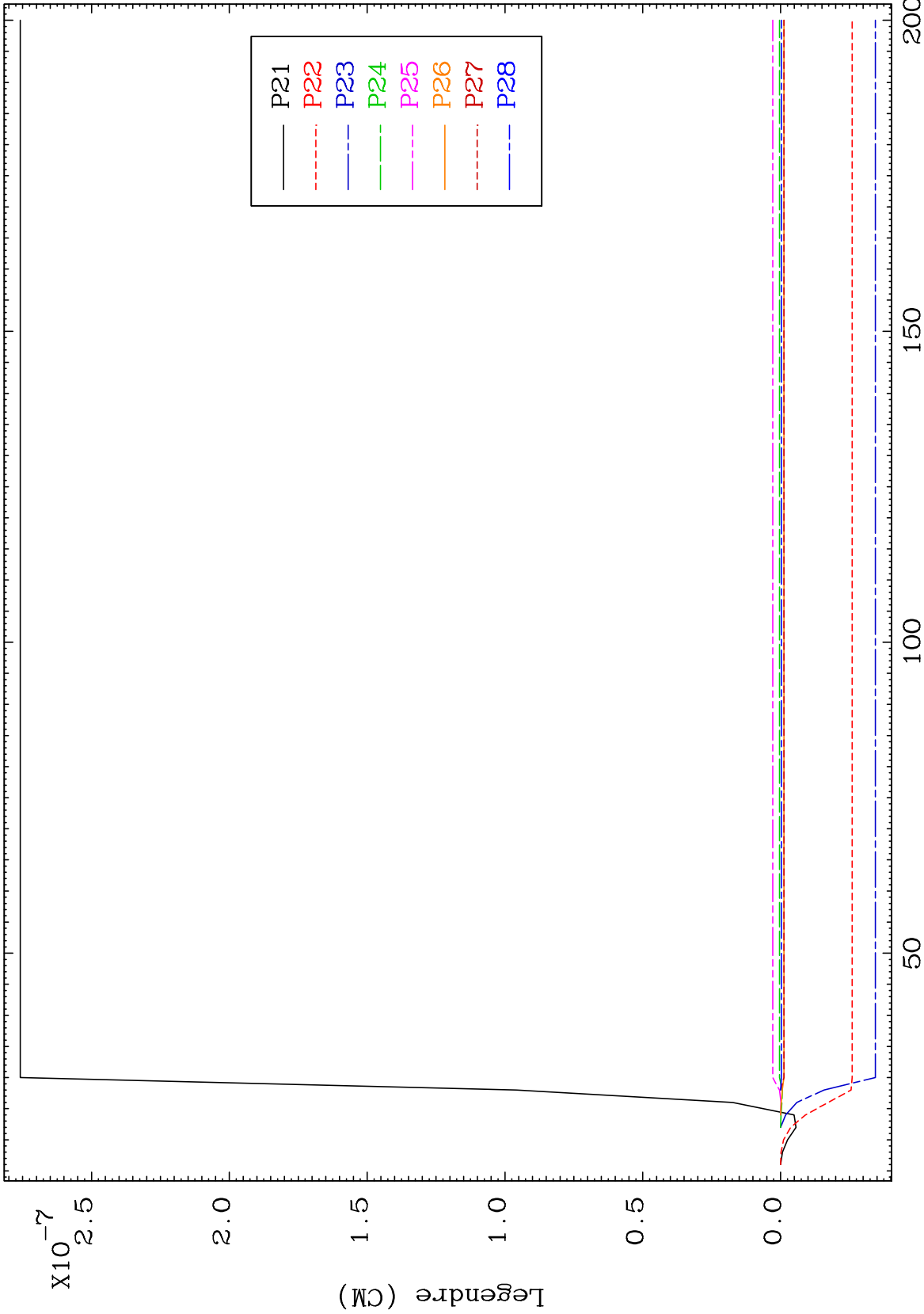




MAT 5007

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

50-Sn-106



48

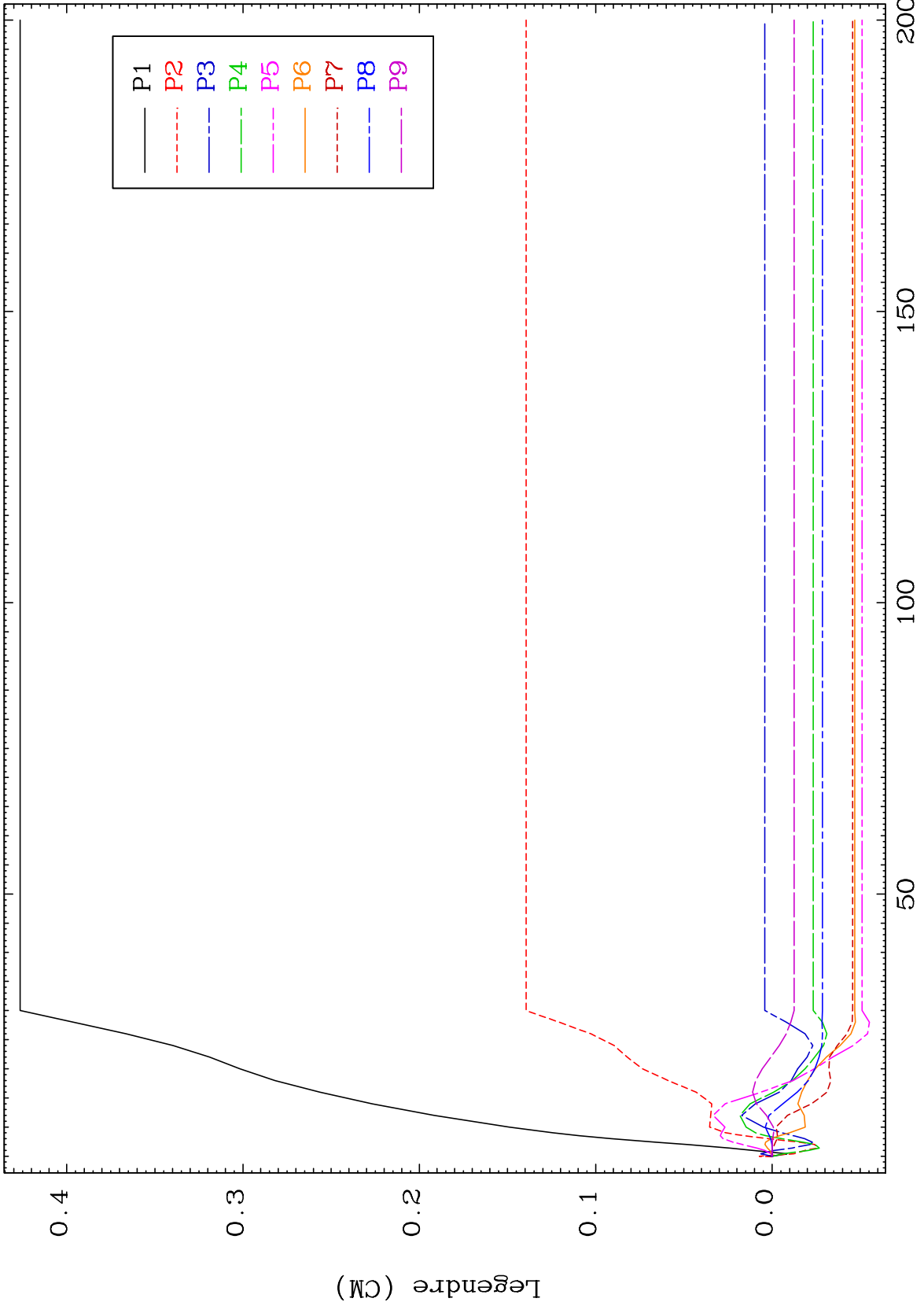
Incident Energy (MeV)

50-Sn-106

MAT 5007

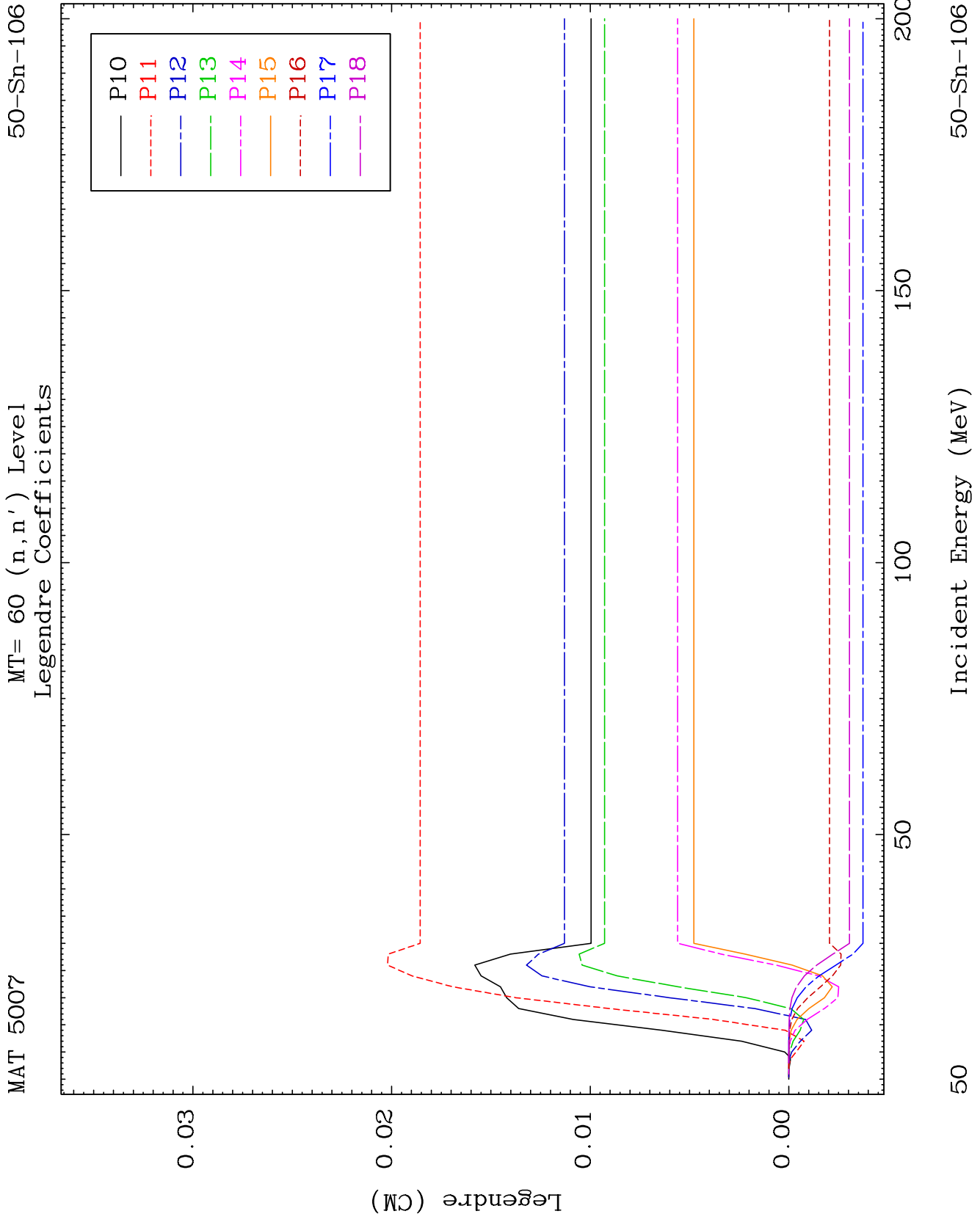
MT= 60 (n,n') Level  
Legendre Coefficients

50-Sn-106



49

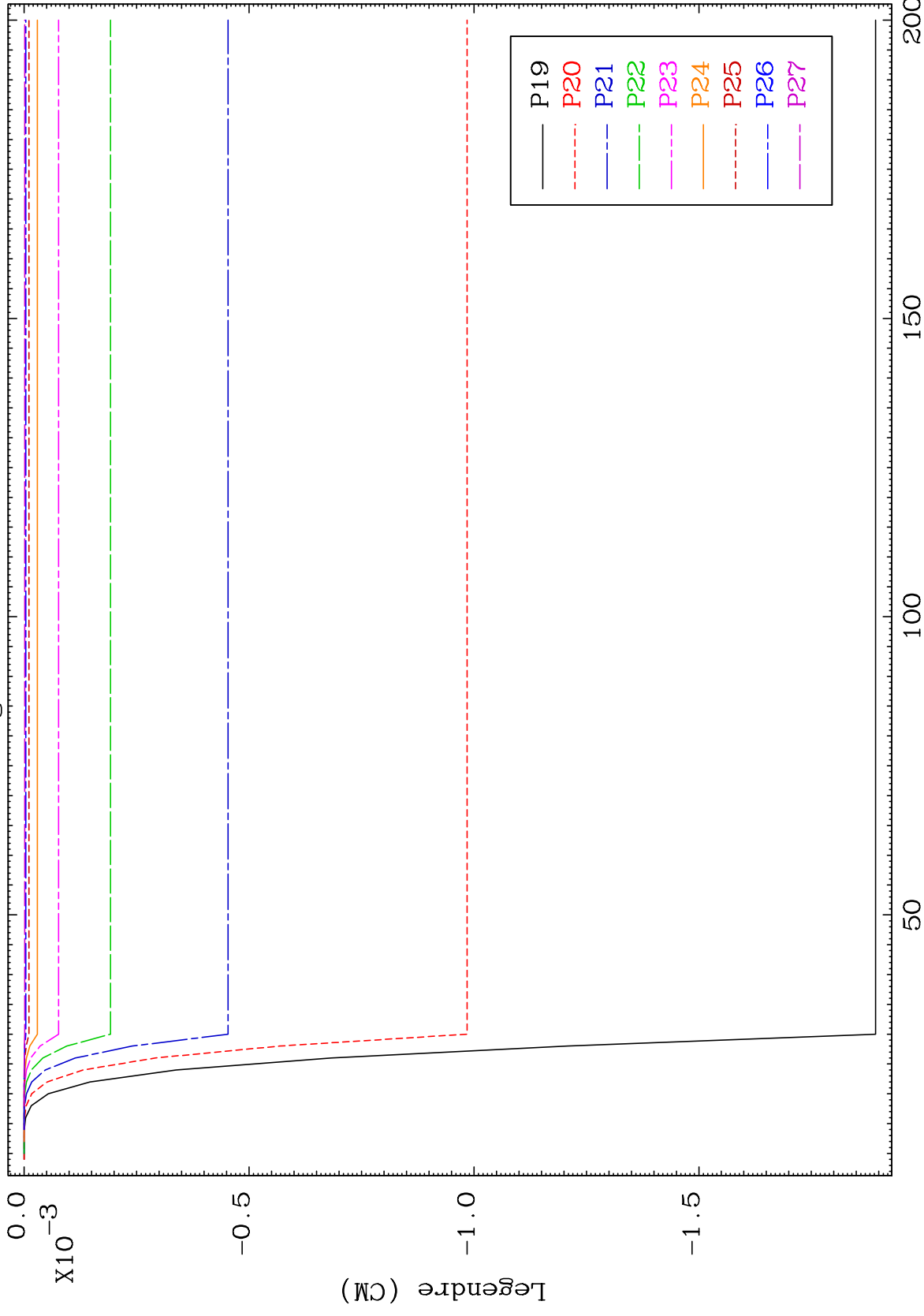
50-Sn-106



MAT 5007

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

50-Sn-106

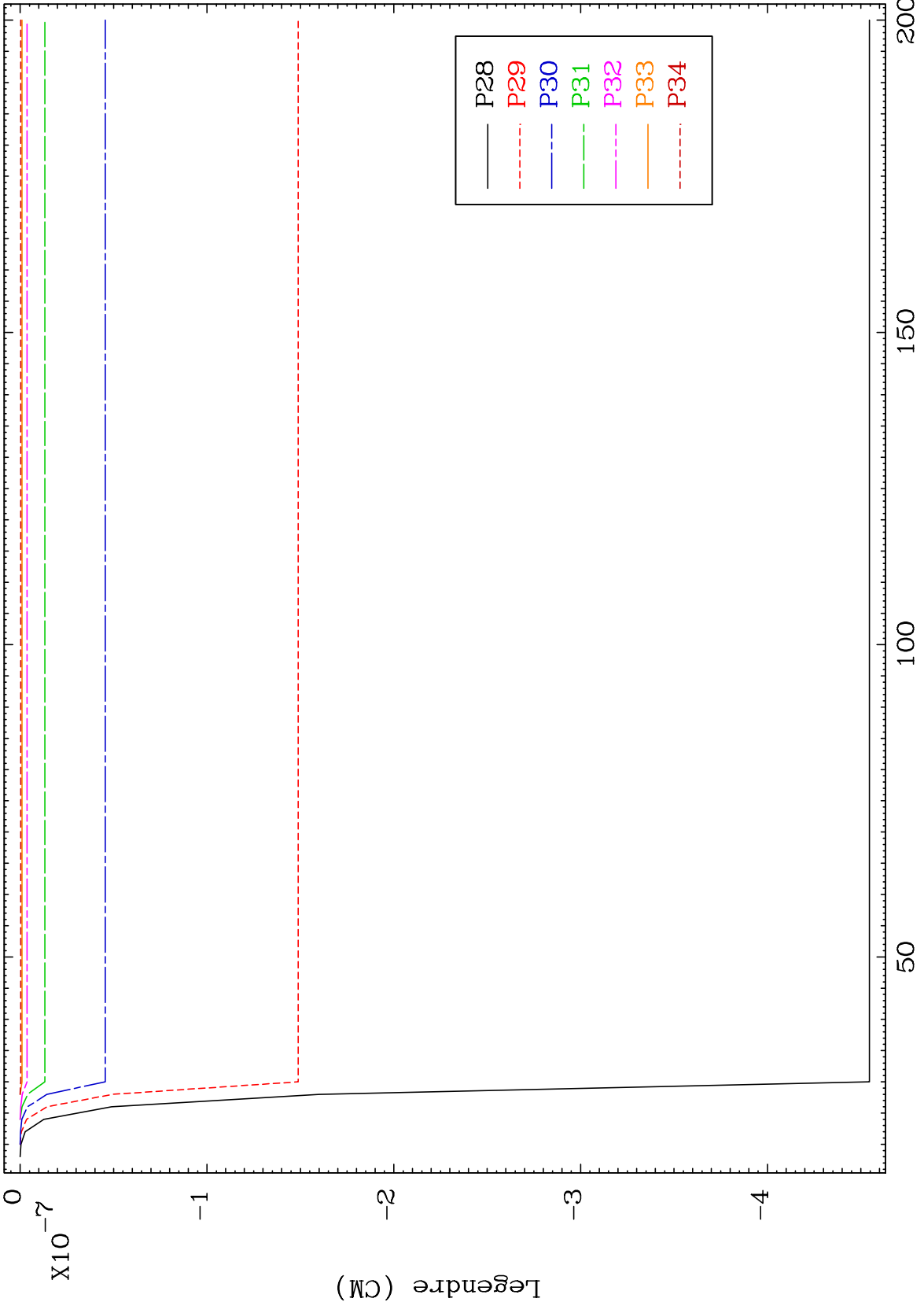


50-Sn-106

Incident Energy (MeV)

51

MAT 5007 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-106



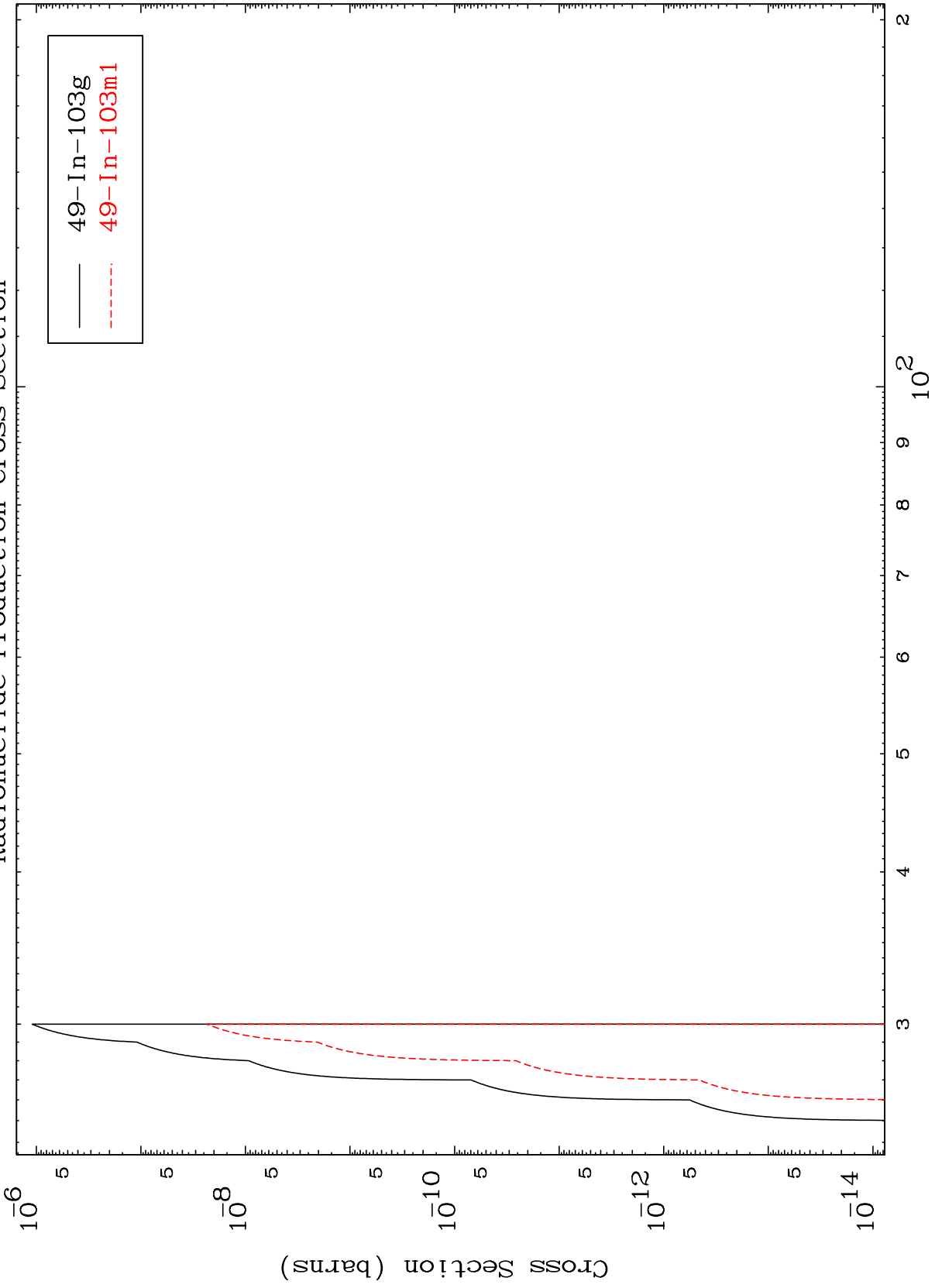
52 Incident Energy (MeV) 50-Sn-106

MAT 5007

(n,2n) d

50-Sn-106

Radionuclide Production Cross Section



53

Incident Energy (MeV)

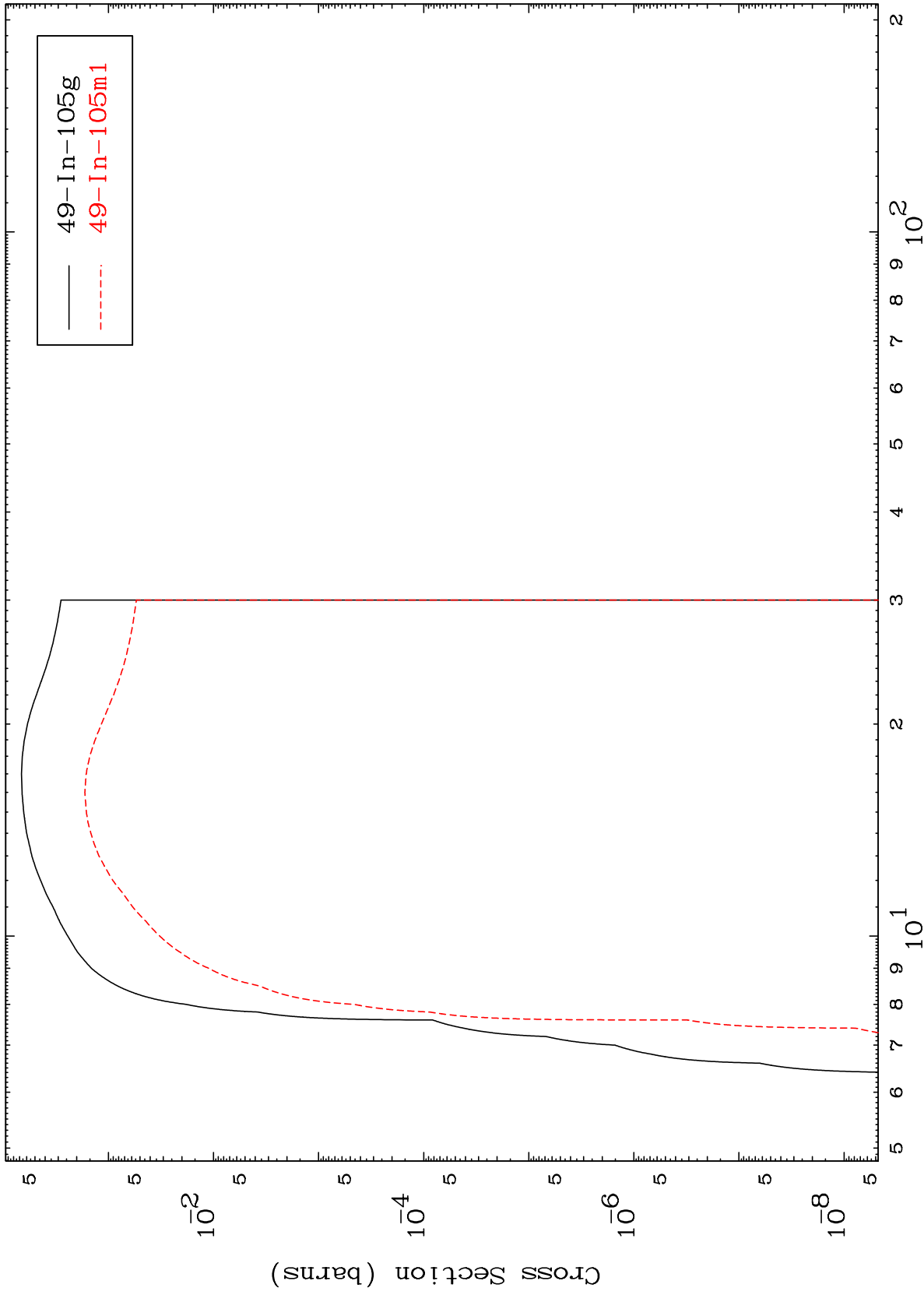
50-Sn-106

MAT 5007

(n,n') p

50-Sn-106

Radionuclide Production Cross Section



54

Incident Energy (MeV)

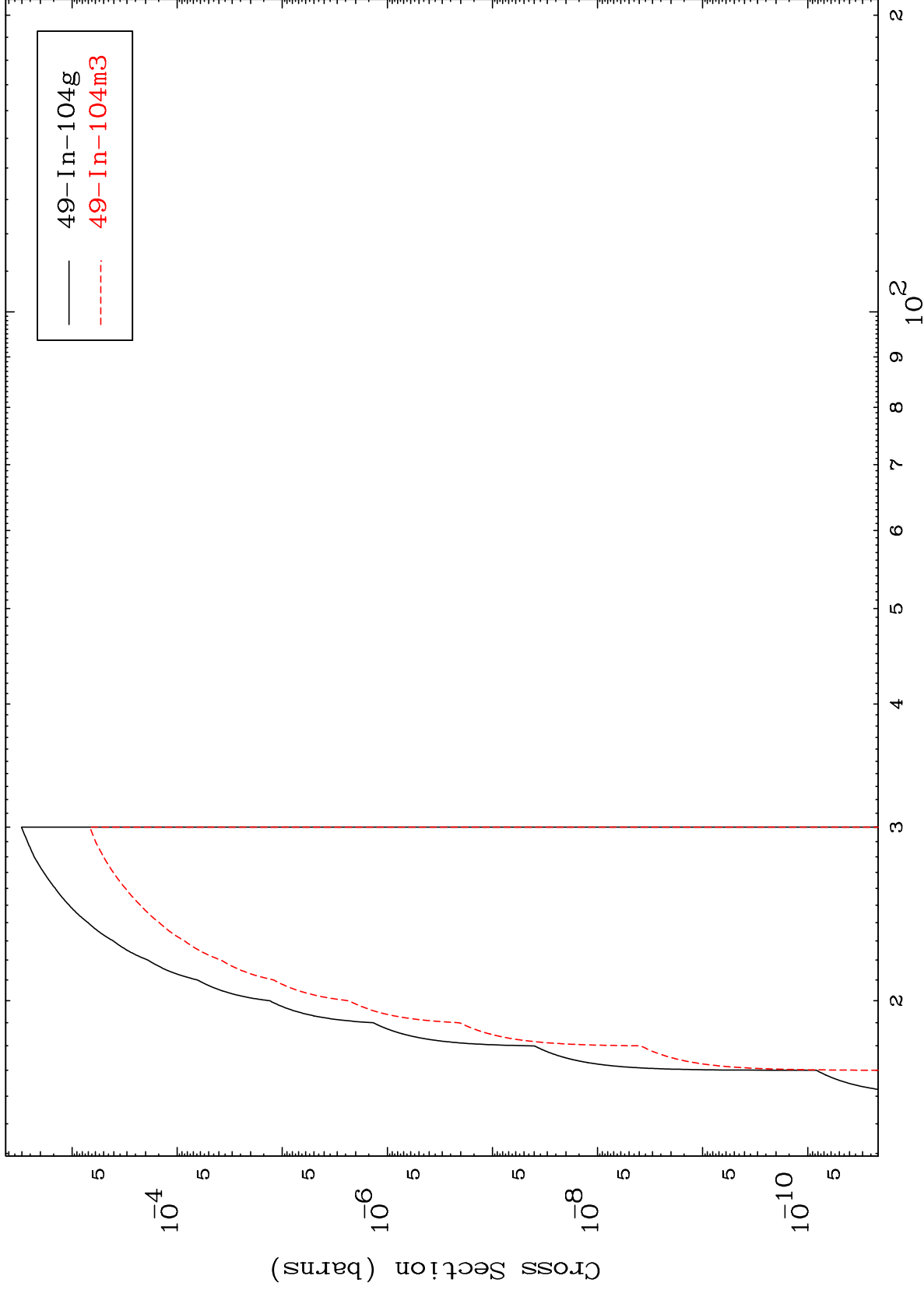
50-Sn-106

MAT 5007

(n,n') d

50-Sn-106

Radionuclide Production Cross Section



55

Incident Energy (MeV)

50-Sn-106

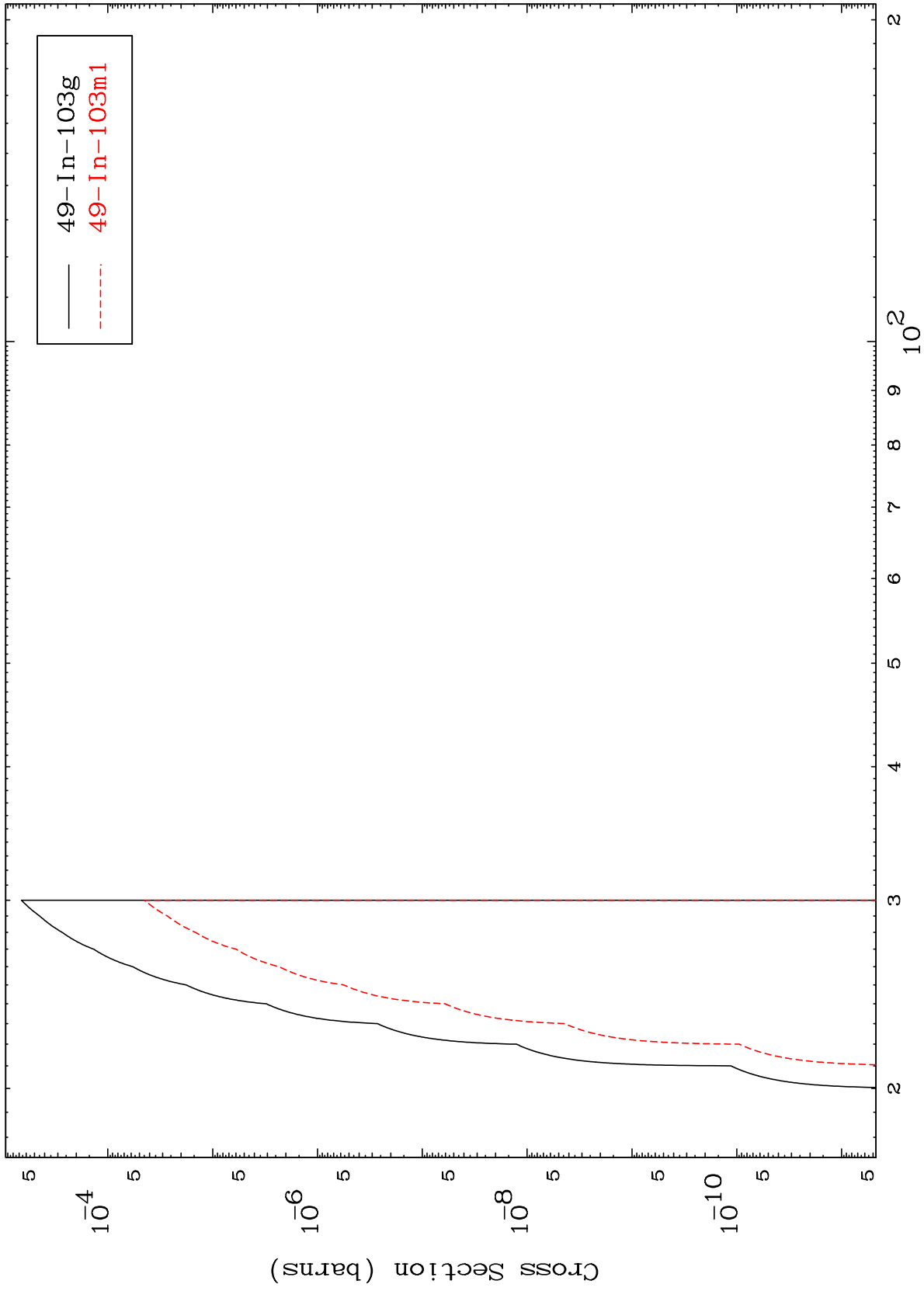


MAT 5007

(n,n') t

50-Sn-106

Radionuclide Production Cross Section



56

Incident Energy (MeV)

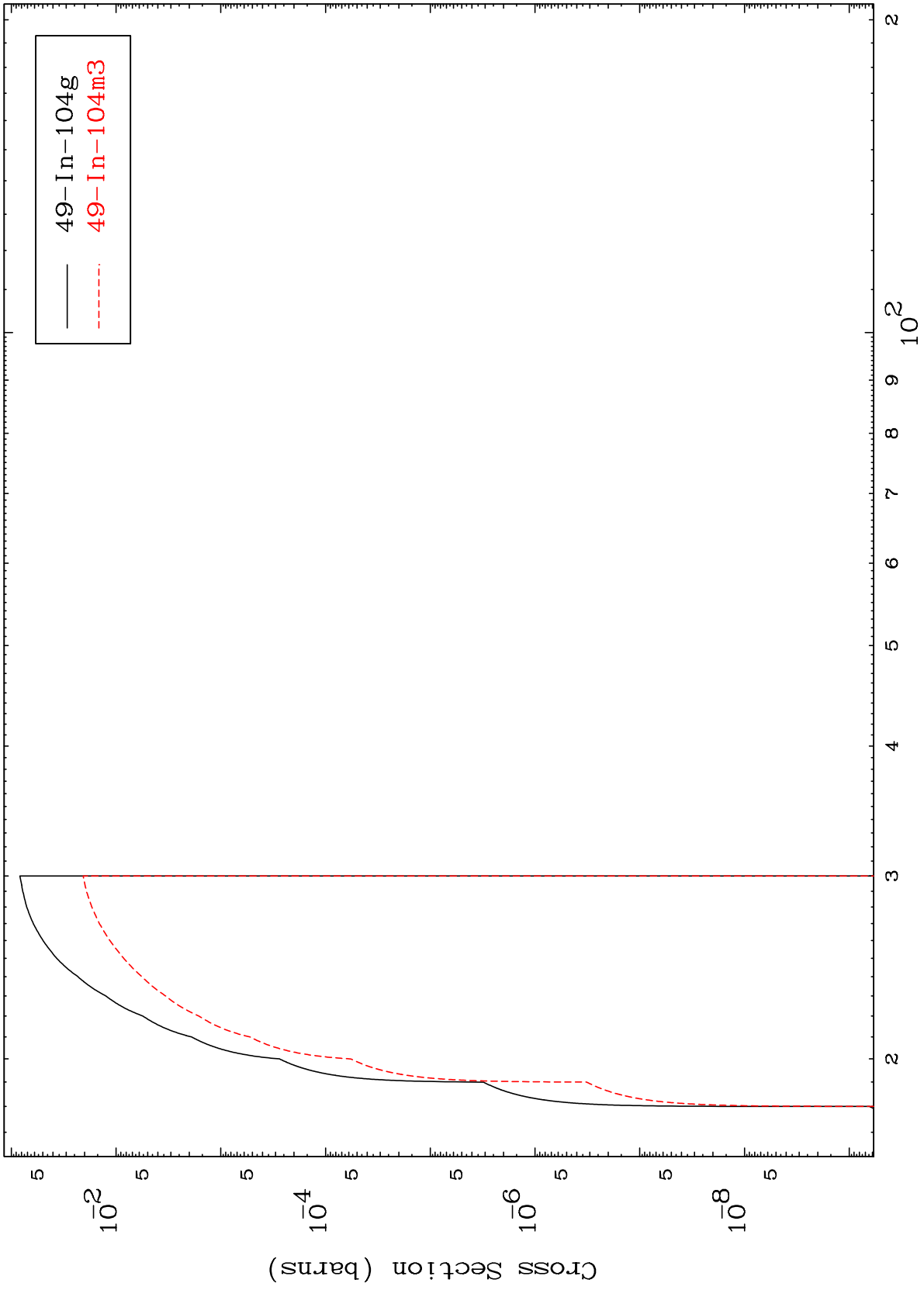
50-Sn-106

MAT 5007

(n,2n) p

50-Sn-106

Radionuclide Production Cross Section



57

Incident Energy (MeV)

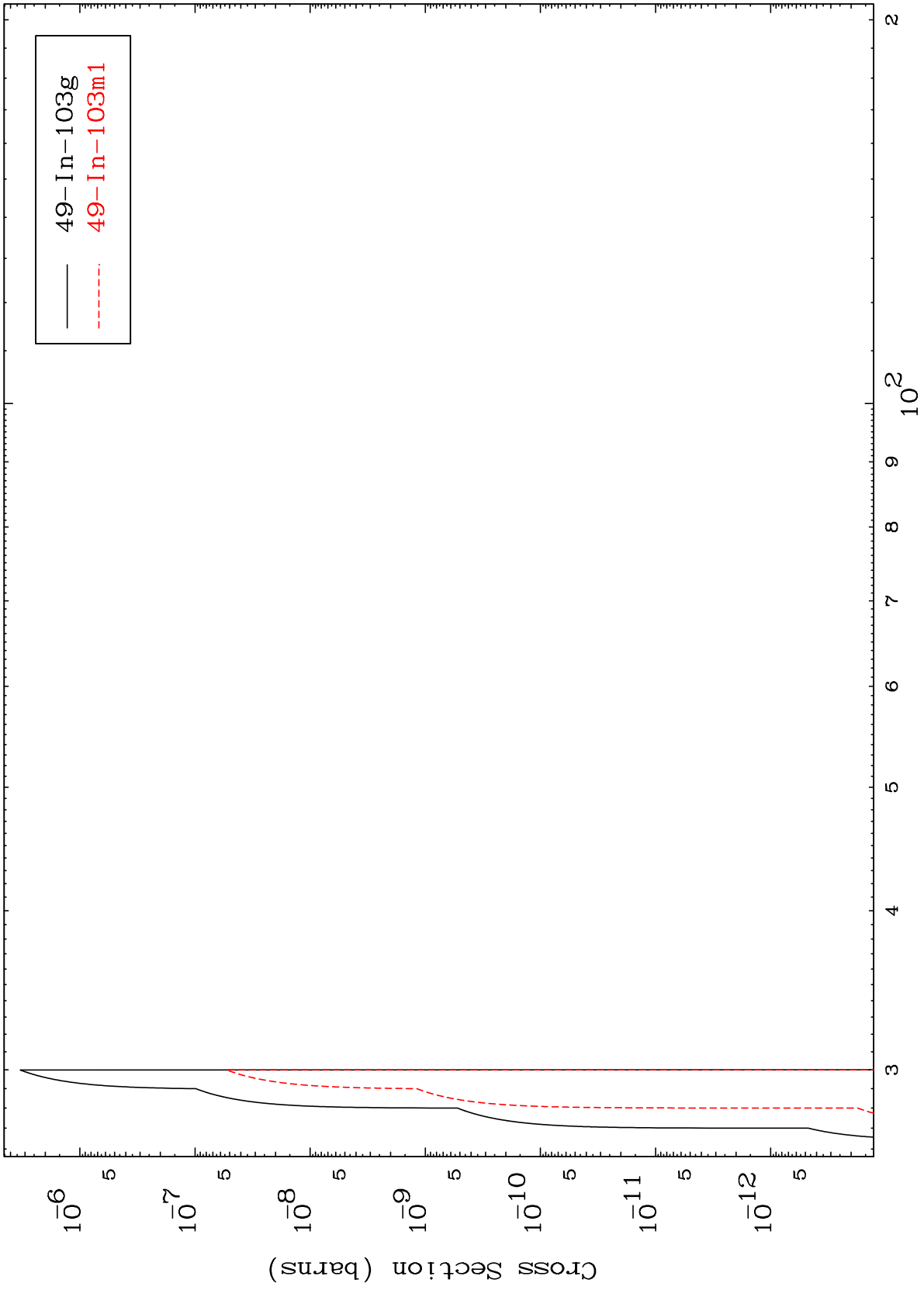
50-Sn-106

MAT 5007

(n,3n) p

50-Sn-106

Radionuclide Production Cross Section



58

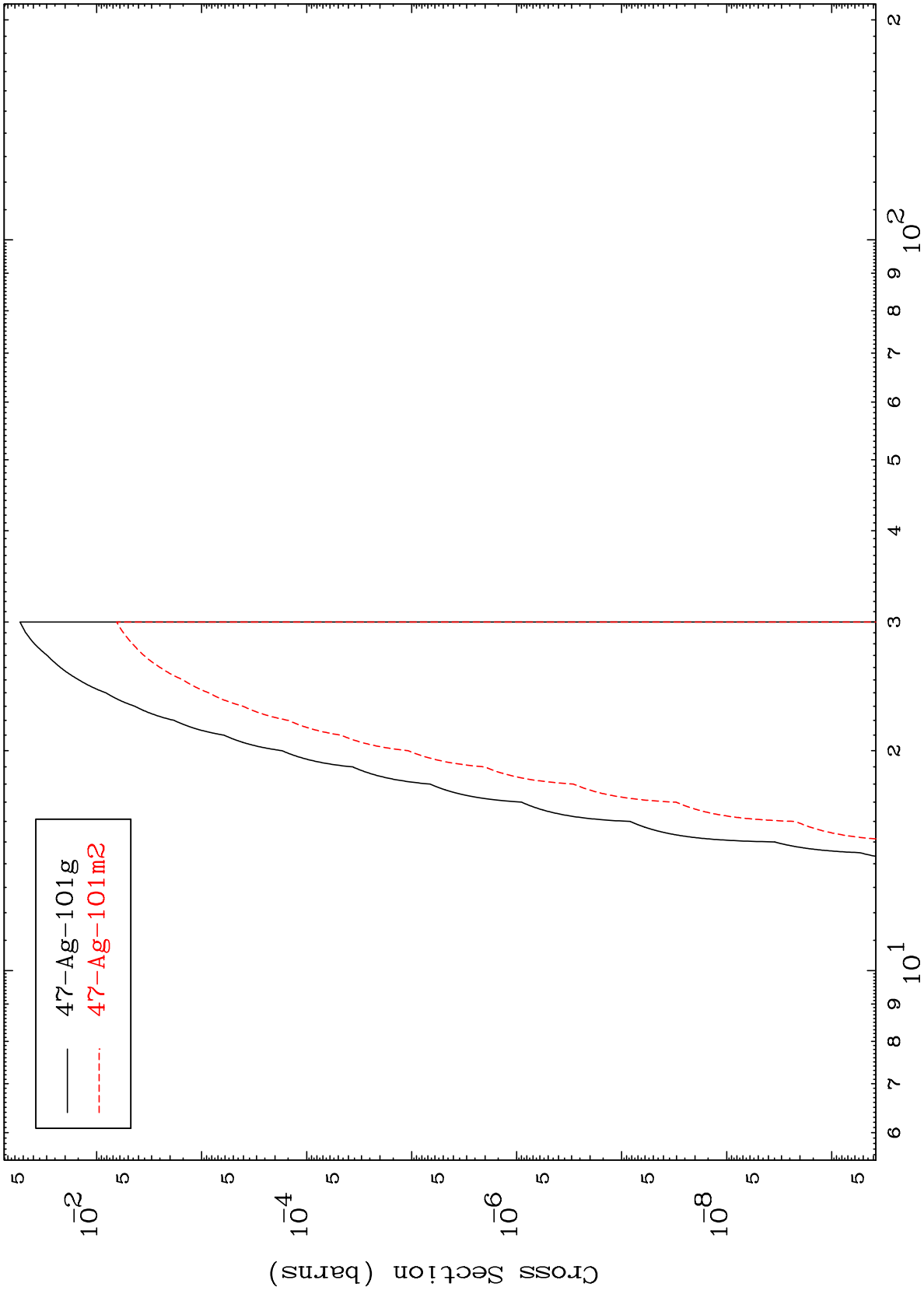
Incident Energy (MeV)

50-Sn-106

MAT 5007

50-Sn-106

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



59

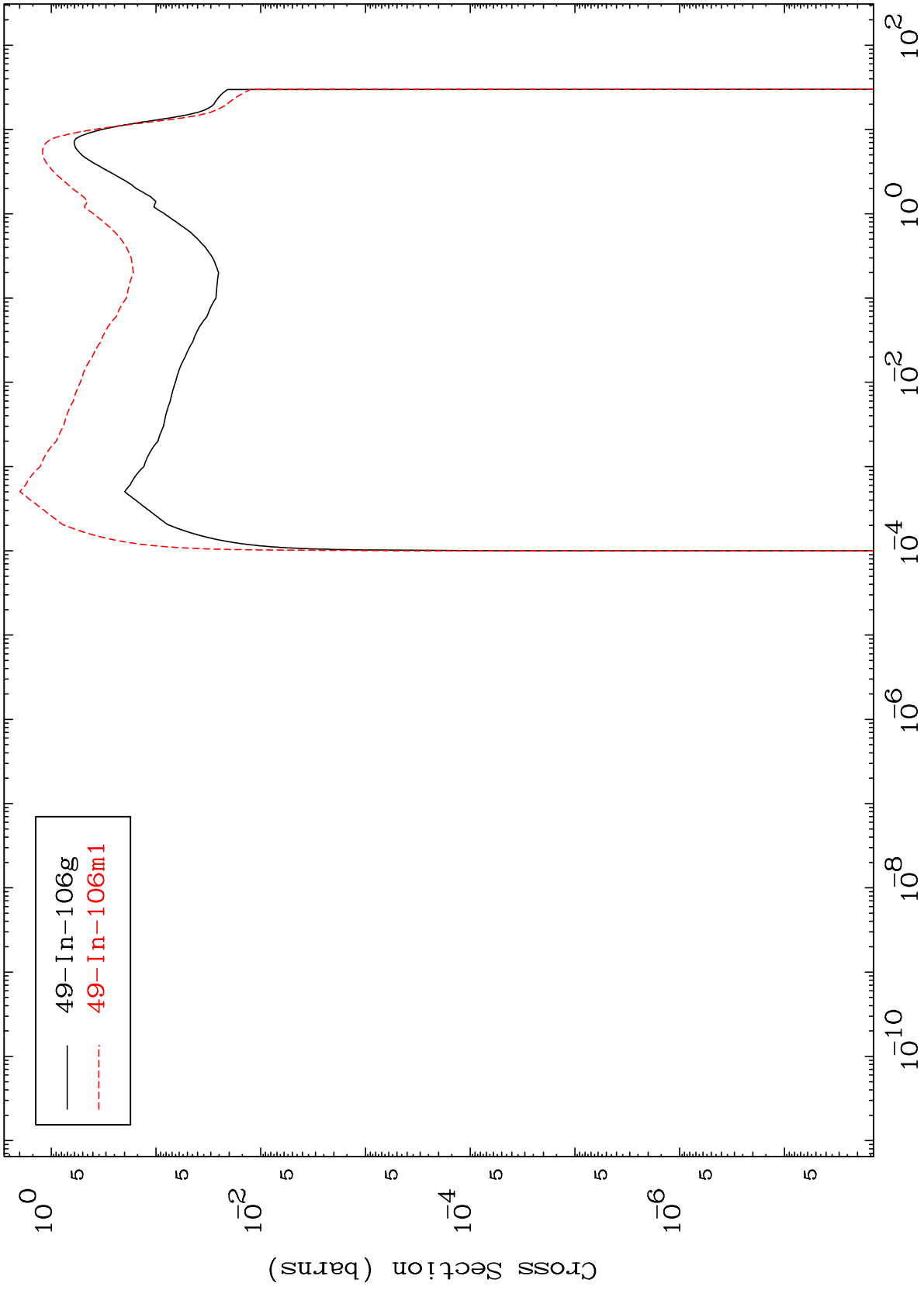
Incident Energy (MeV)

50-Sn-106

MAT 5007

50-Sn-106

Radionuclide Production Cross Section (n,p)



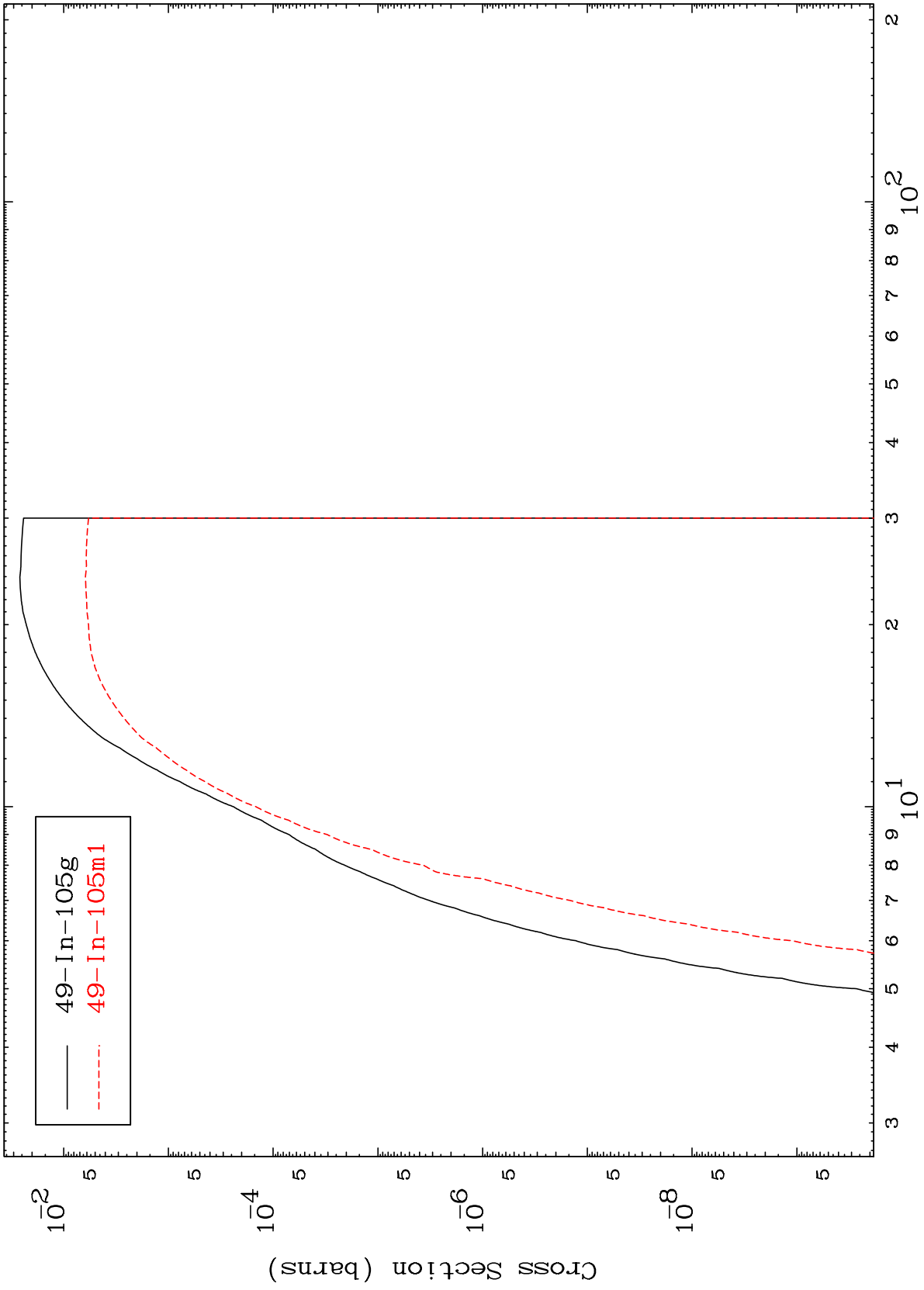
60

50-Sn-106

MAT 5007

(n,d)  
Radionuclide Production Cross Section

50-Sn-106



61

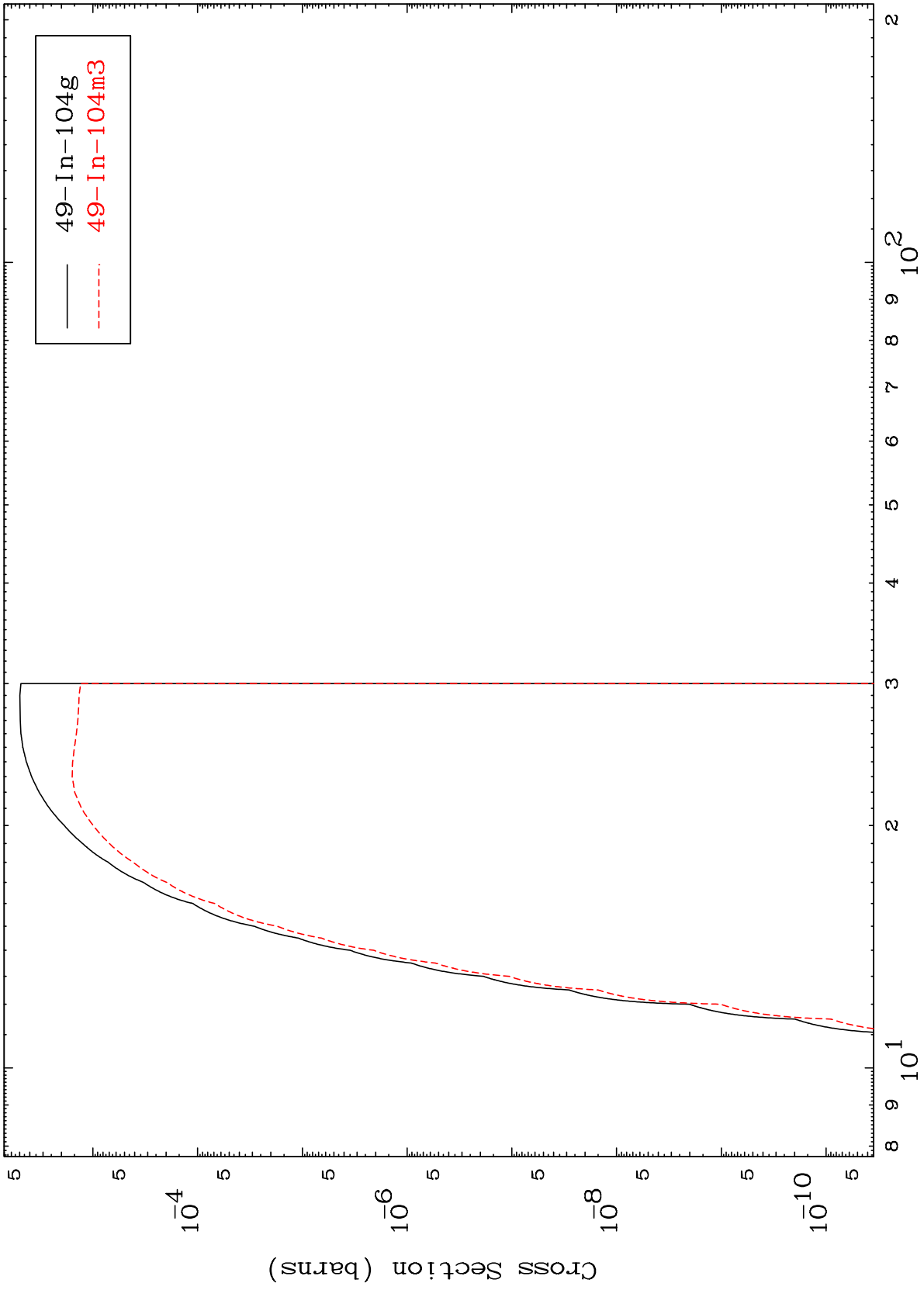
Incident Energy (MeV)

50-Sn-106

MAT 5007

50-Sn-106

(n, t)  
Radionuclide Production Cross Section



62

Incident Energy (MeV)

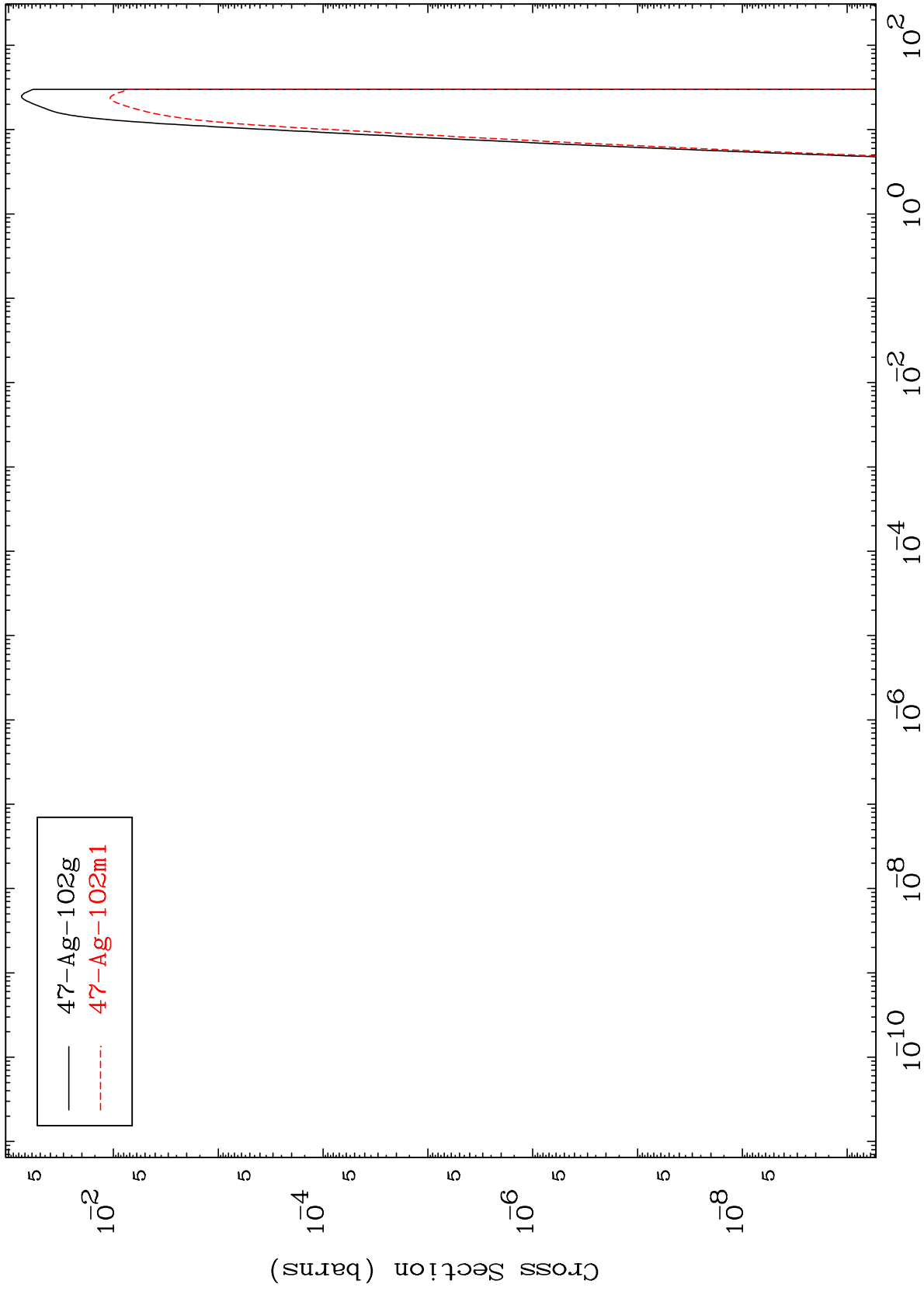
50-Sn-106

MAT 5007

(n,p)  $\alpha$

50-Sn-106

Radionuclide Production Cross Section



63

Incident Energy (MeV)

50-Sn-106

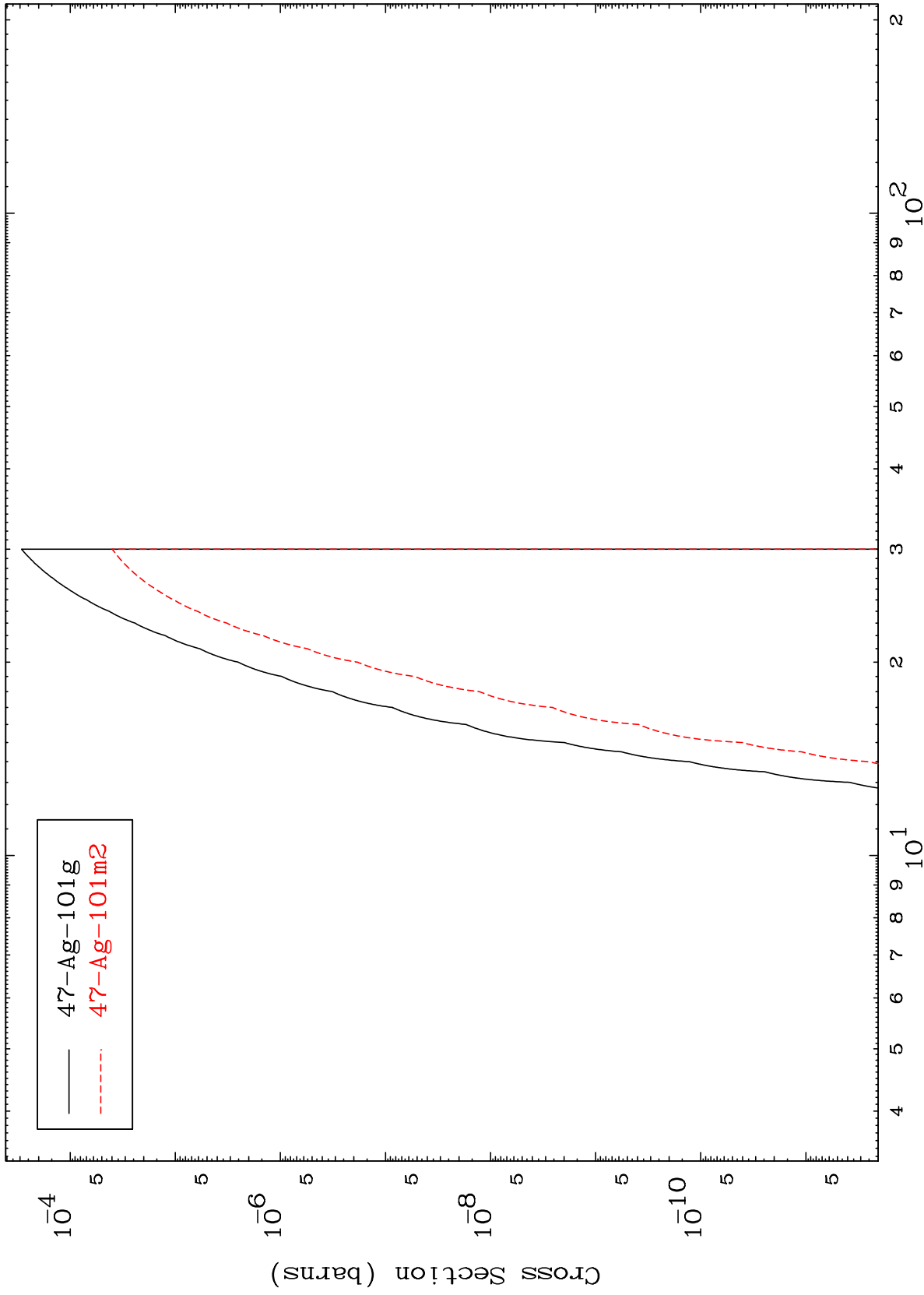


MAT 5007

(n,d)  $\alpha$

50-Sn-106

Radionuclide Production Cross Section



64

Incident Energy (MeV)

50-Sn-106