

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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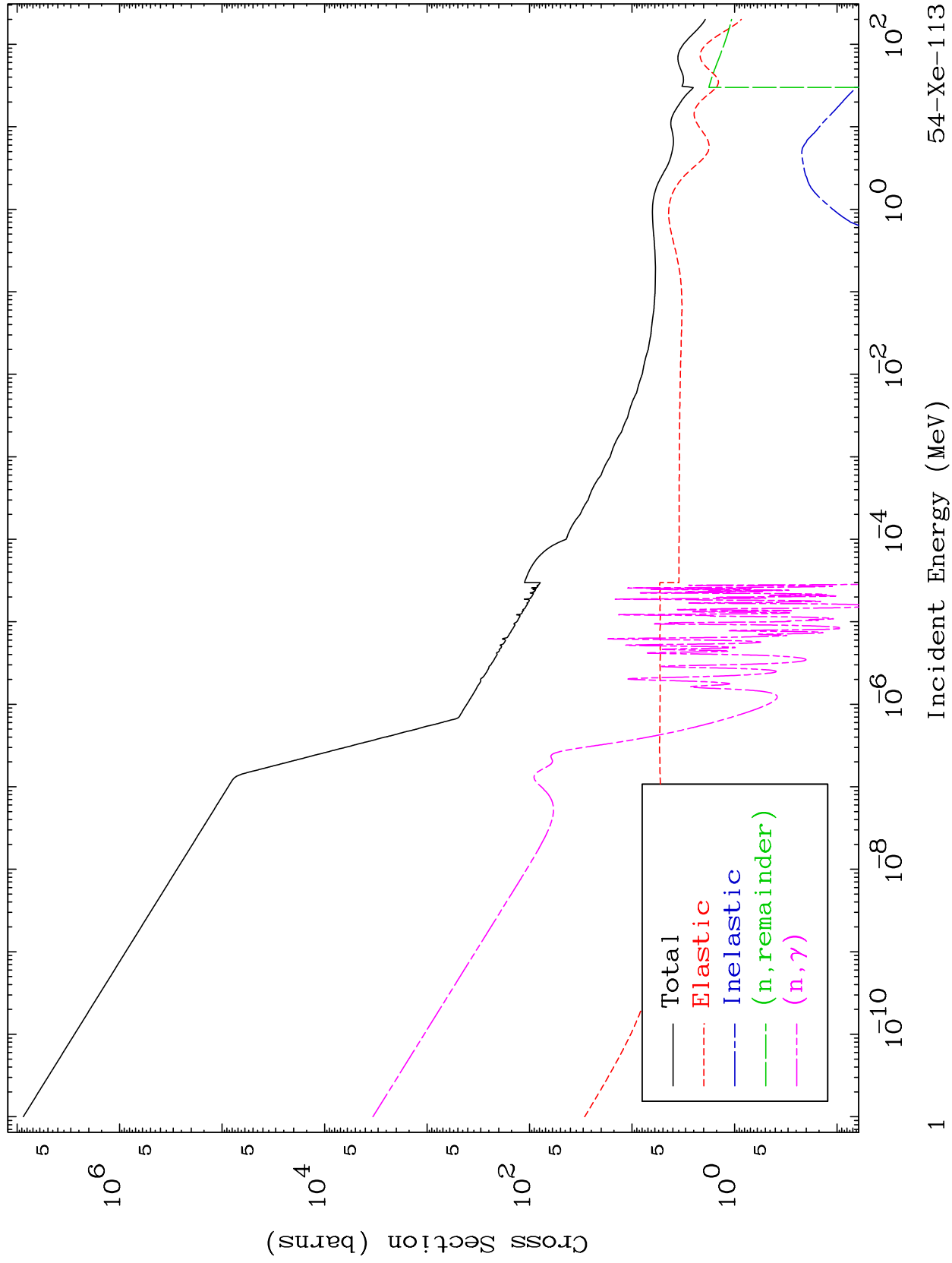
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5392

Major  
293 Kelvin Cross Sections

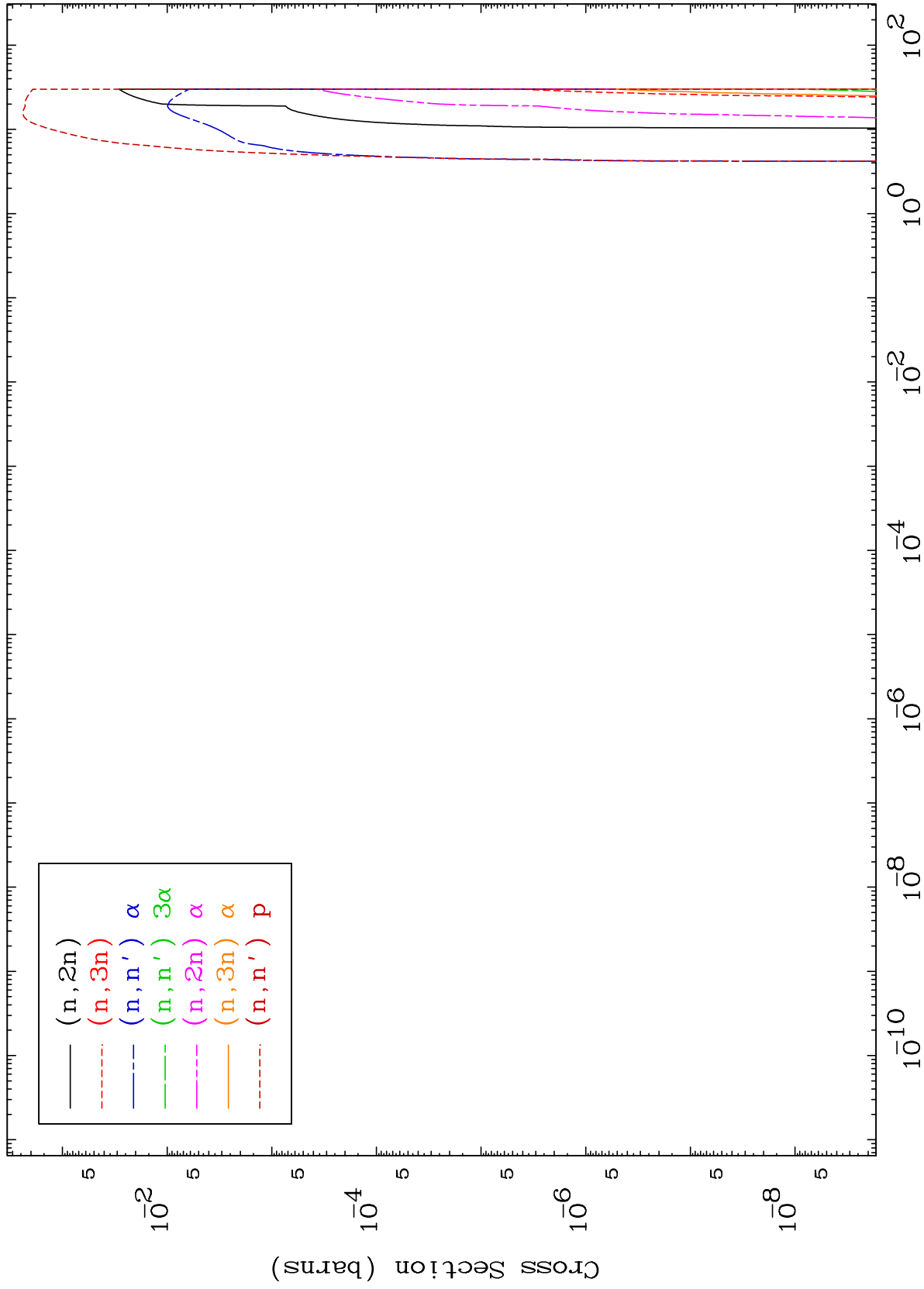
54-Xe-113



MAT 5392

Neutron Production  
293 Kelvin Cross Sections

54-Xe-113



2

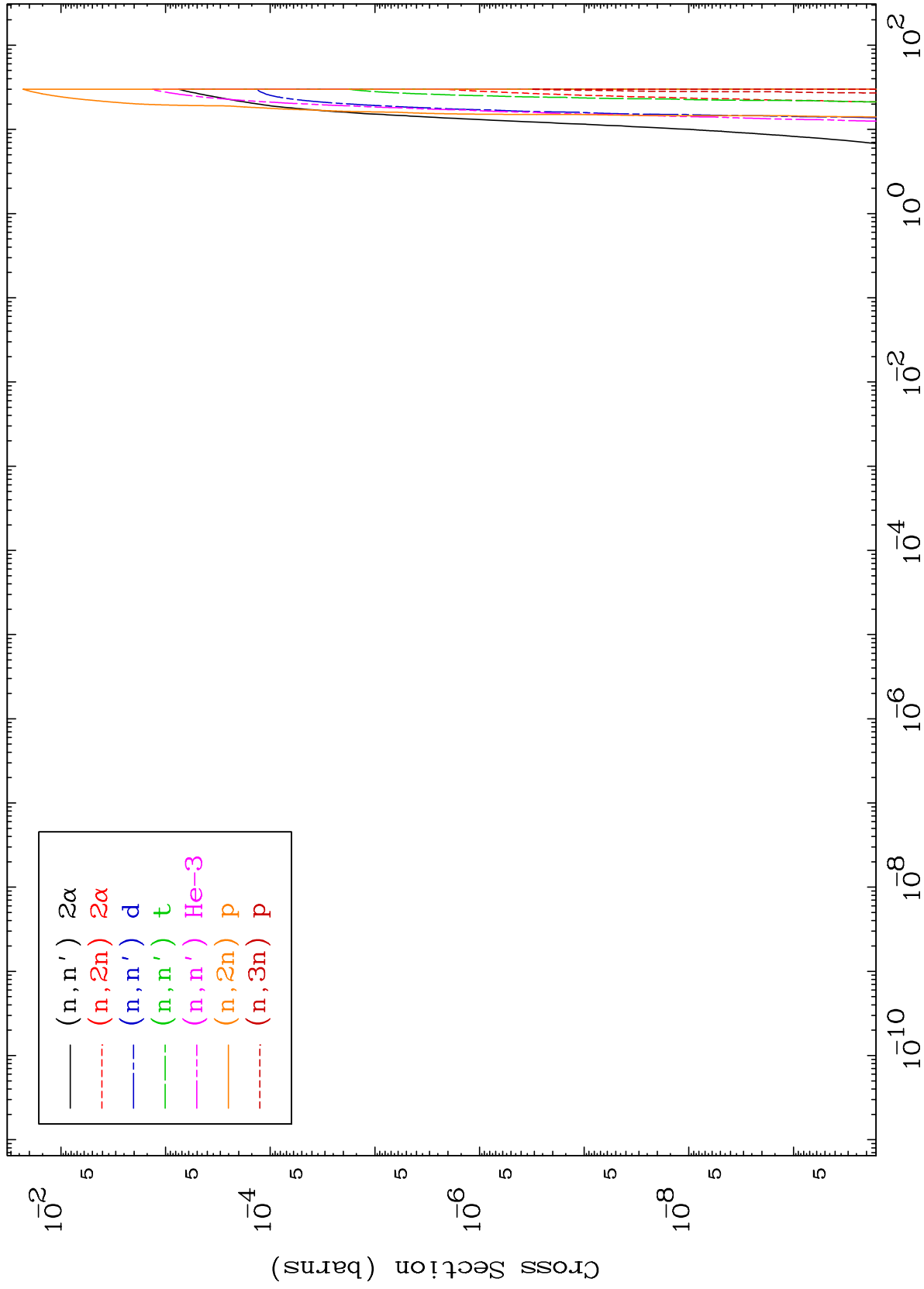
Incident Energy (MeV)

54-Xe-113

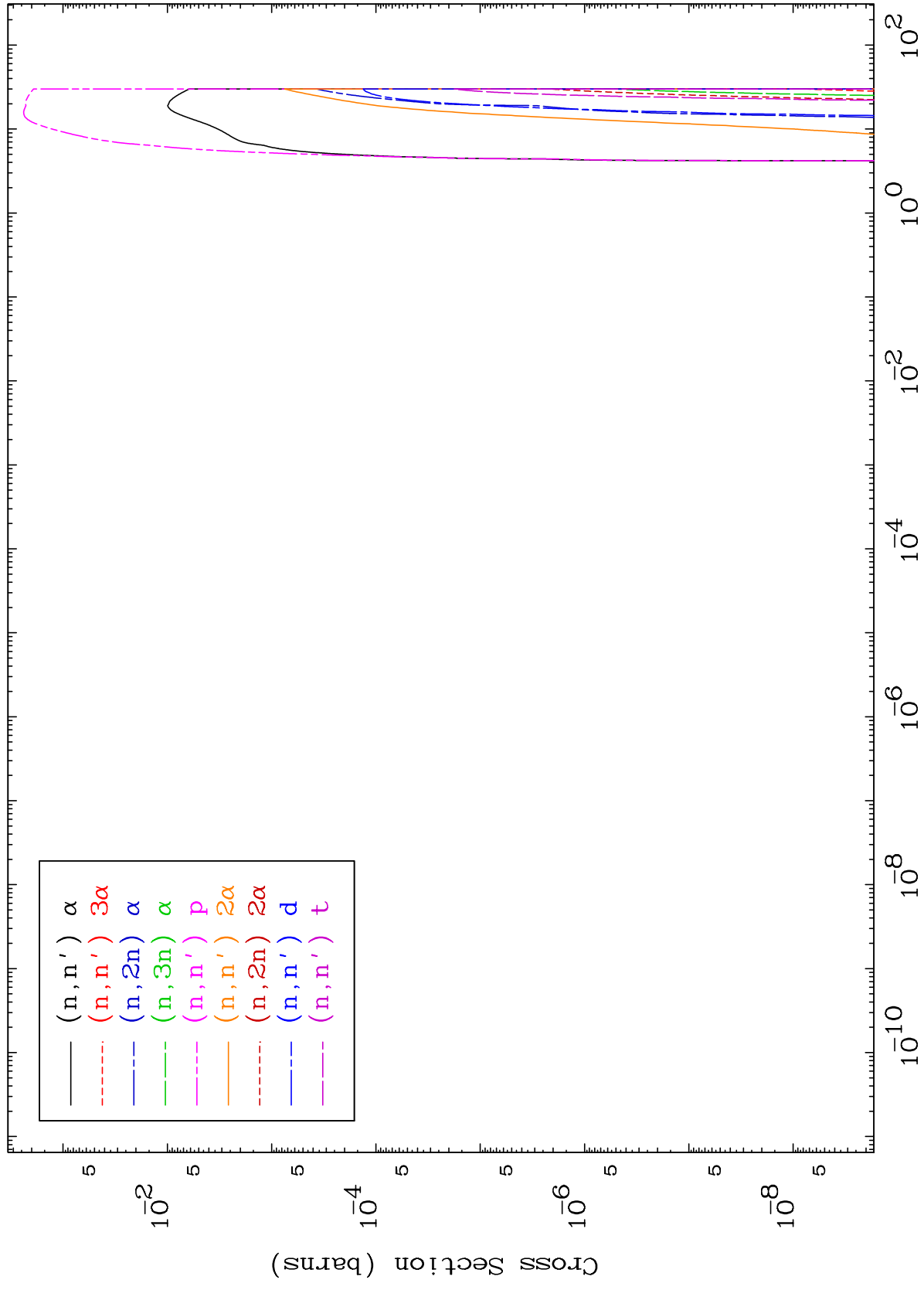
MAT 5392

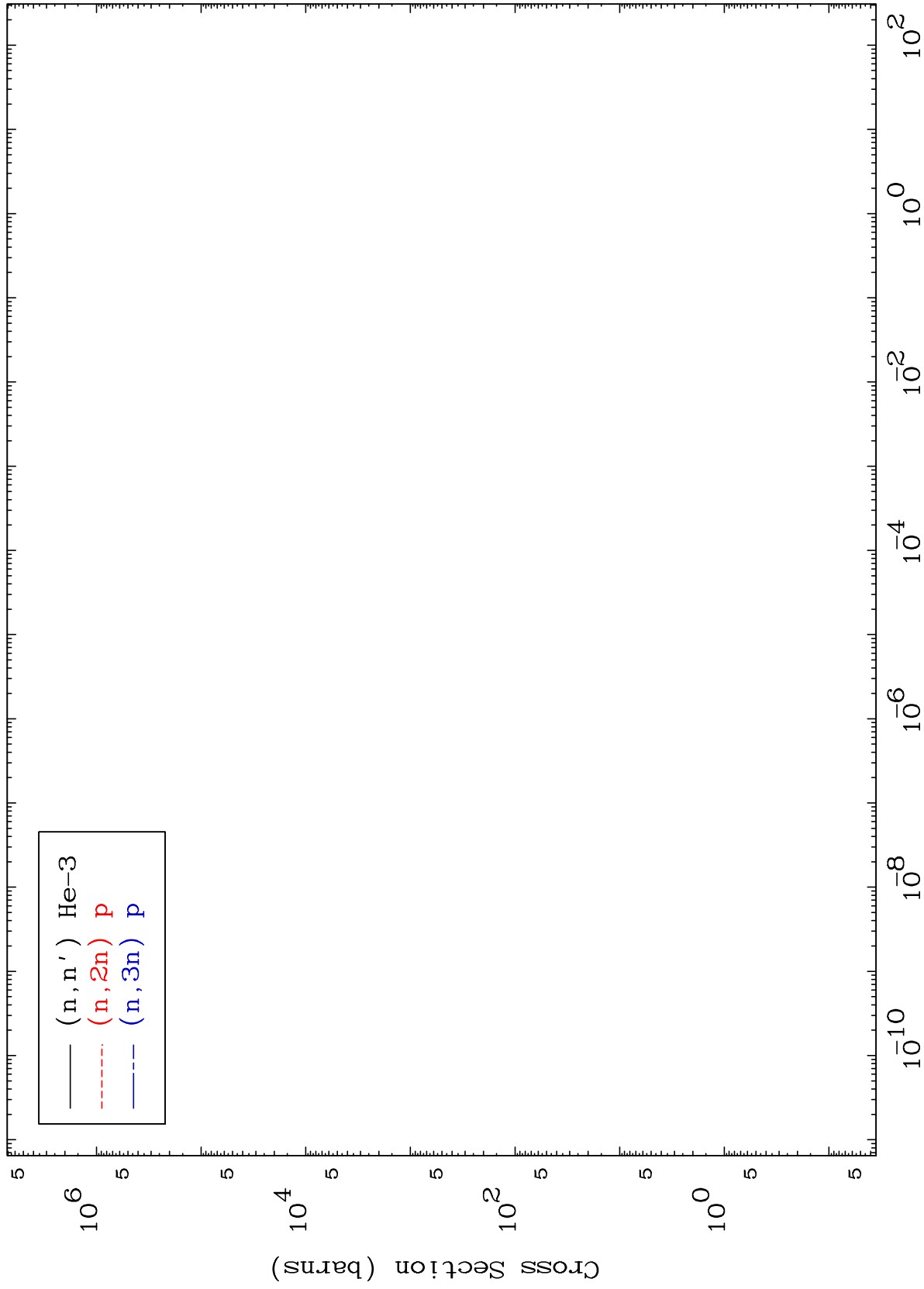
Neutron Production  
293 Kelvin Cross Sections

54-Xe-113



54-Xe-113

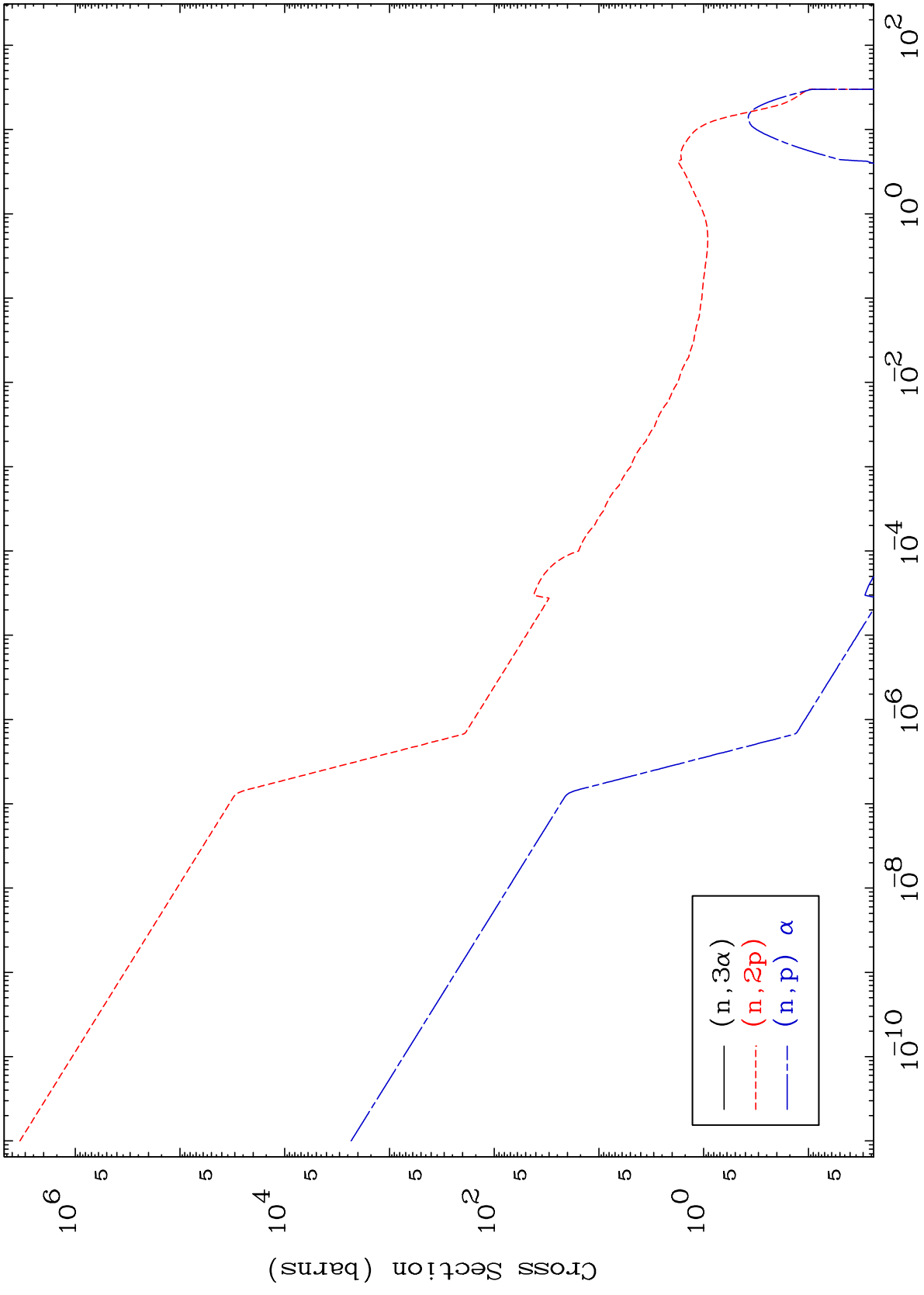




MAT 5392

Charged Particle  
293 Kelvin Cross Sections

54-Xe-113

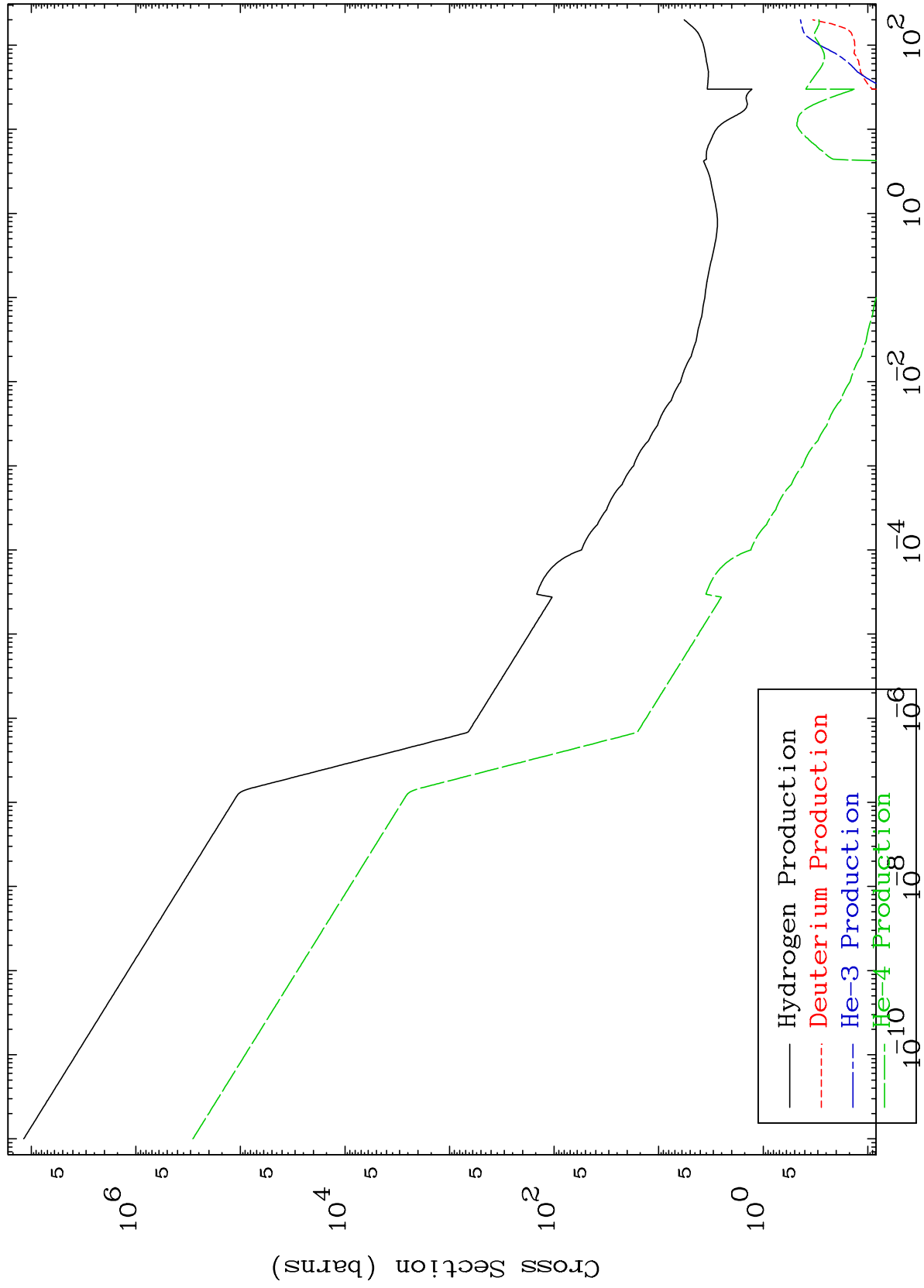


54-Xe-113

MAT 5392

Particle Production  
293 Kelvin Cross Sections

54-Xe-113



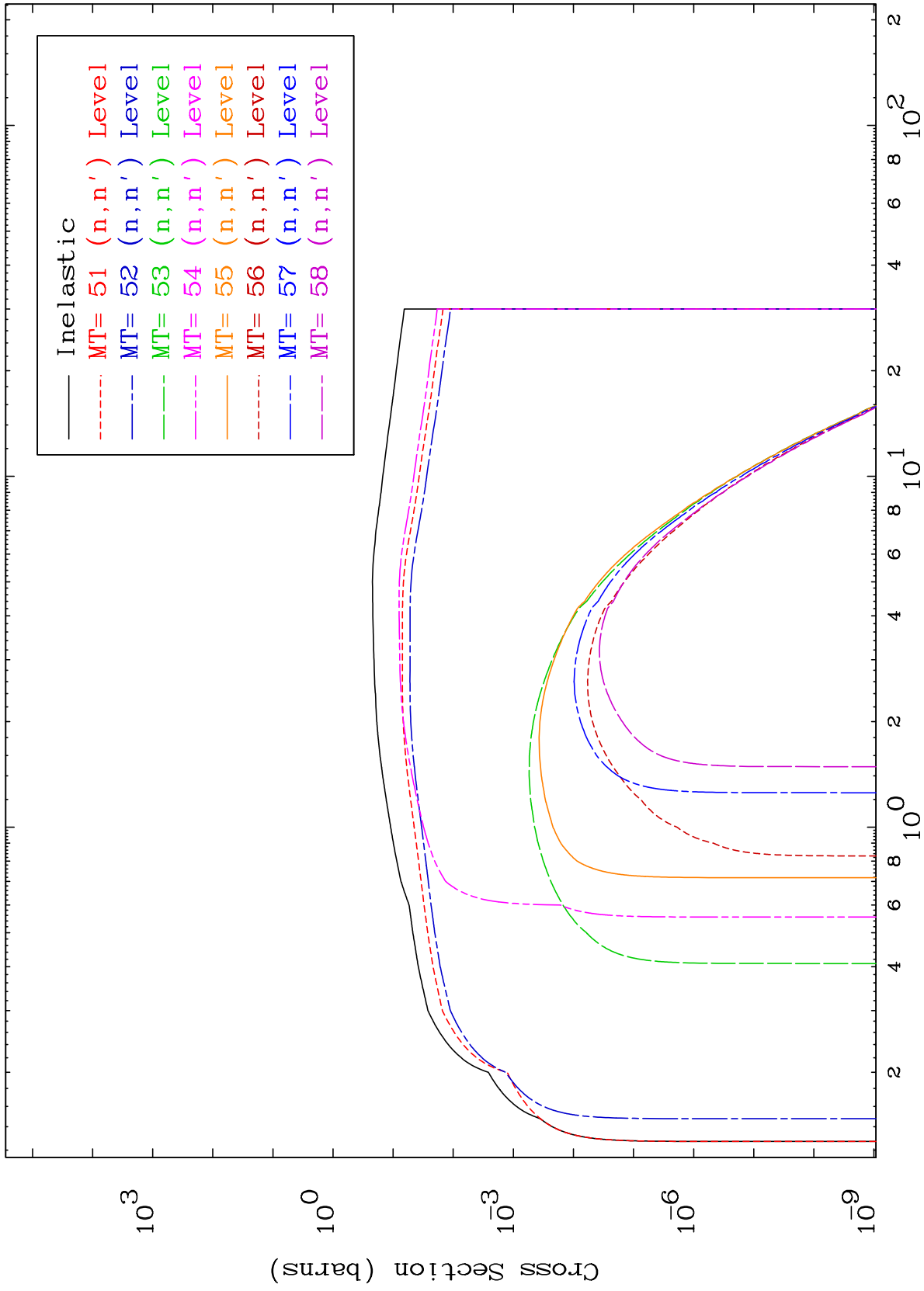


MAT 5392

(n,n') Level

54-Xe-113

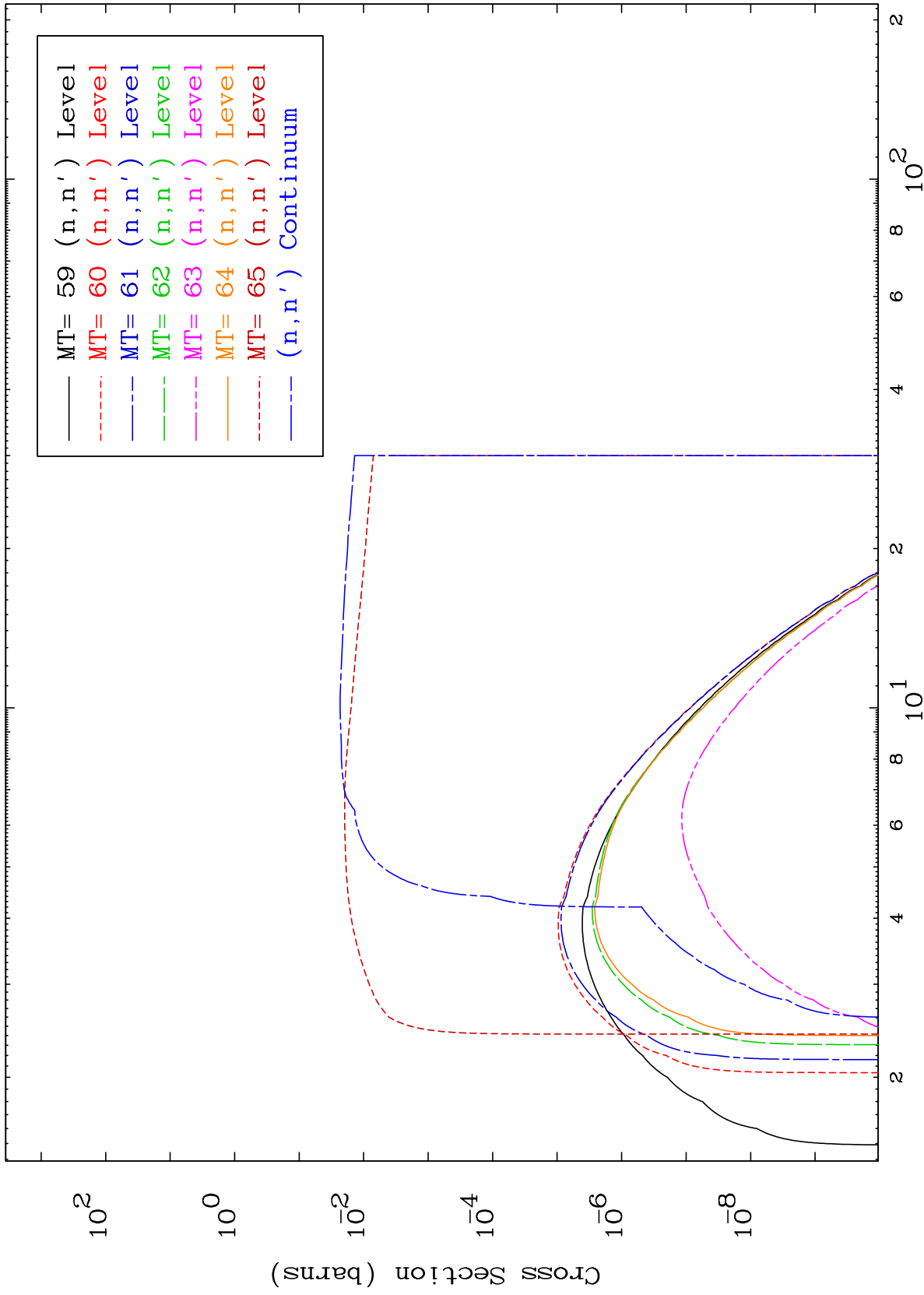
293 Kelvin Cross Sections



8

Incident Energy (MeV)

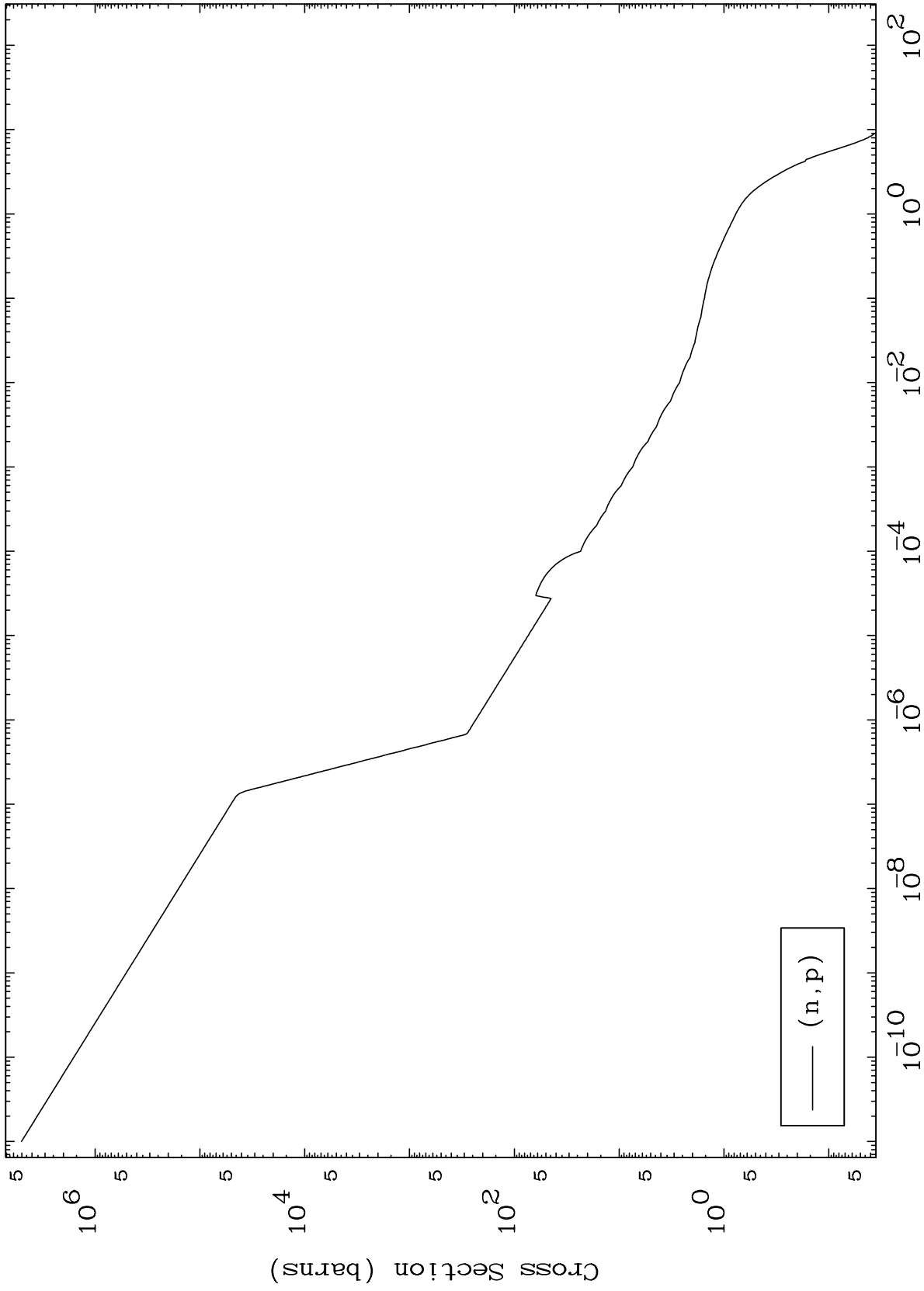
54-Xe-113



MAT 5392

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-113



10

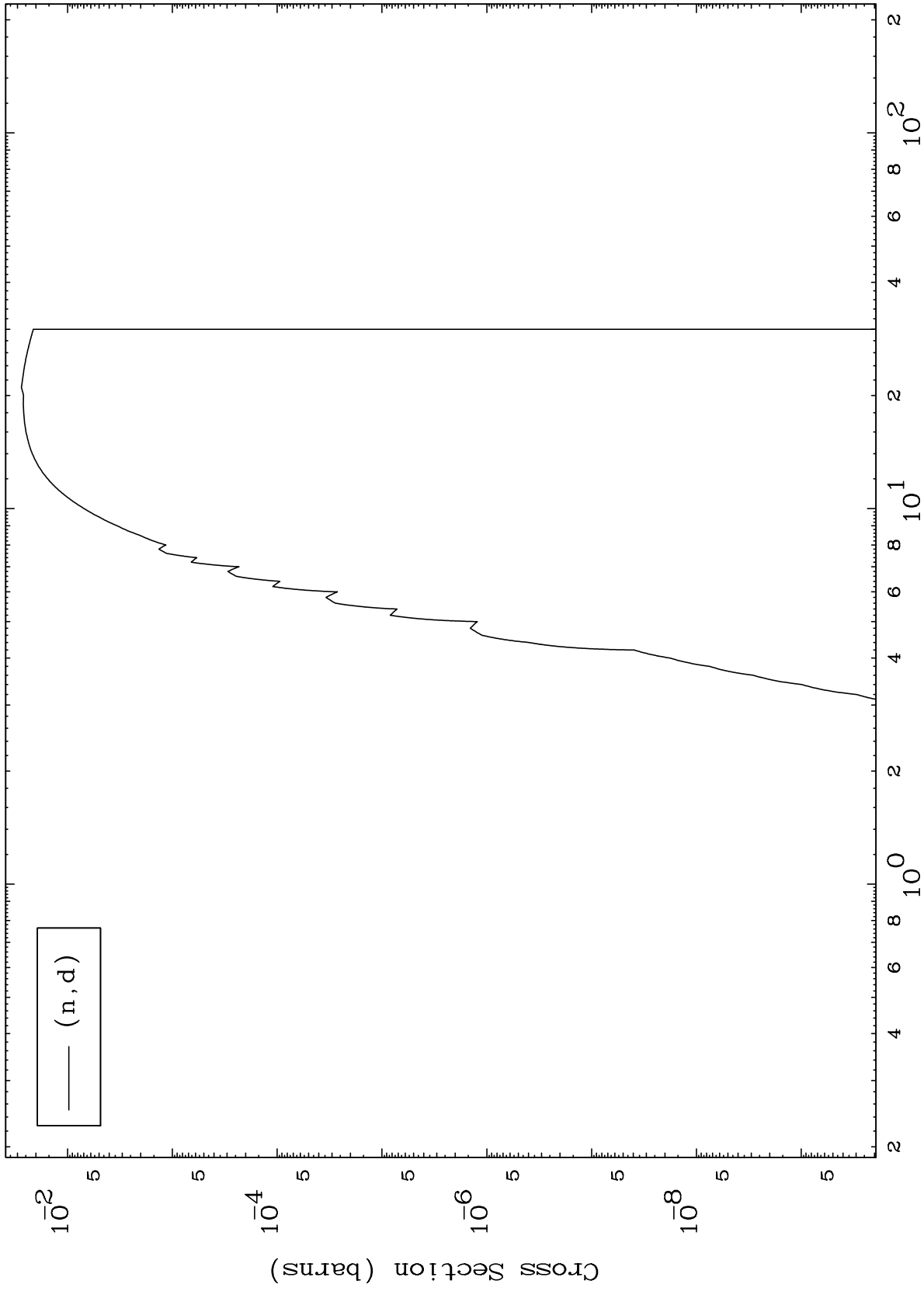
Incident Energy (MeV)

54-Xe-113

MAT 5392

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-113



11

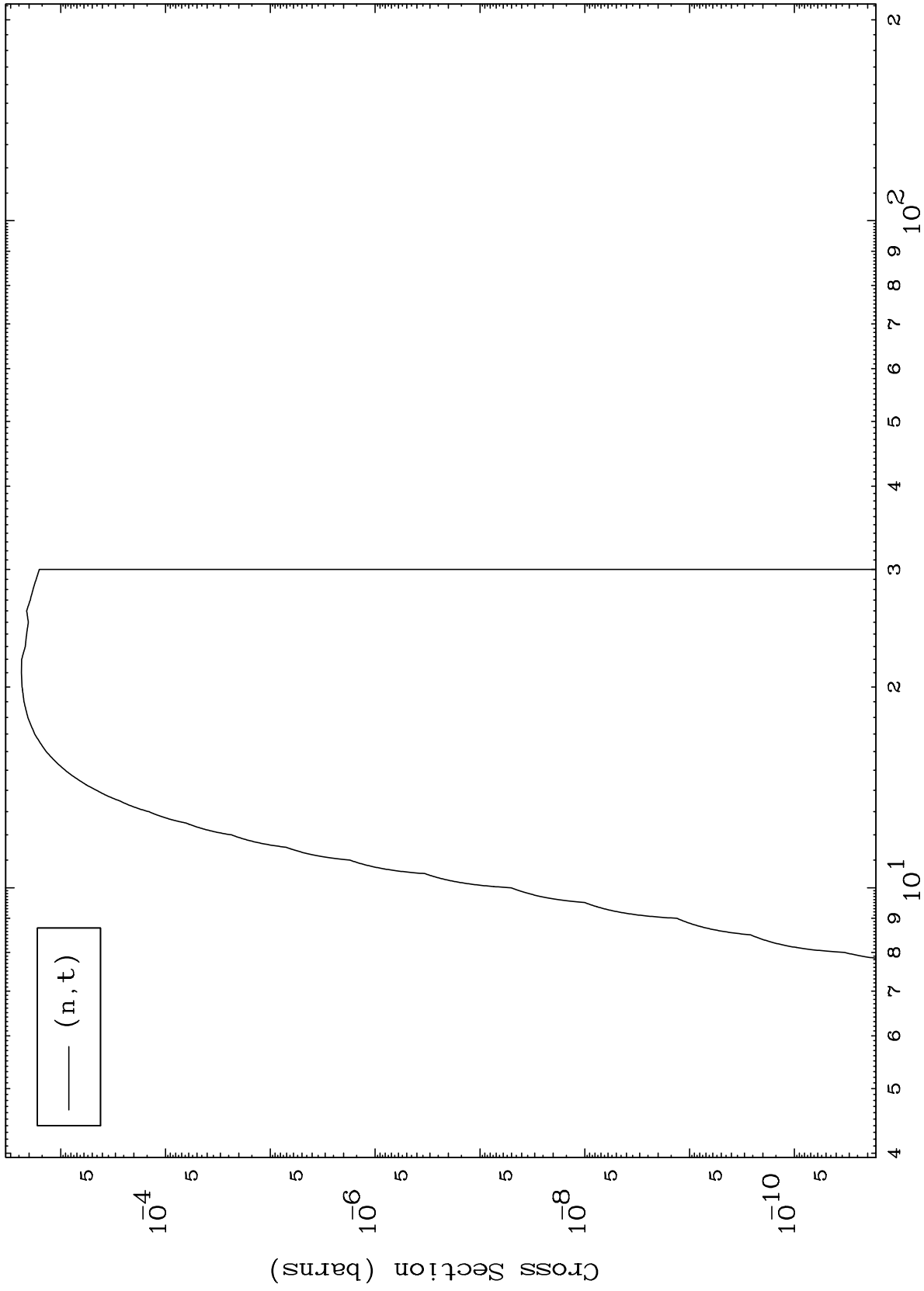
Incident Energy (MeV)

54-Xe-113

MAT 5392

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-113



12

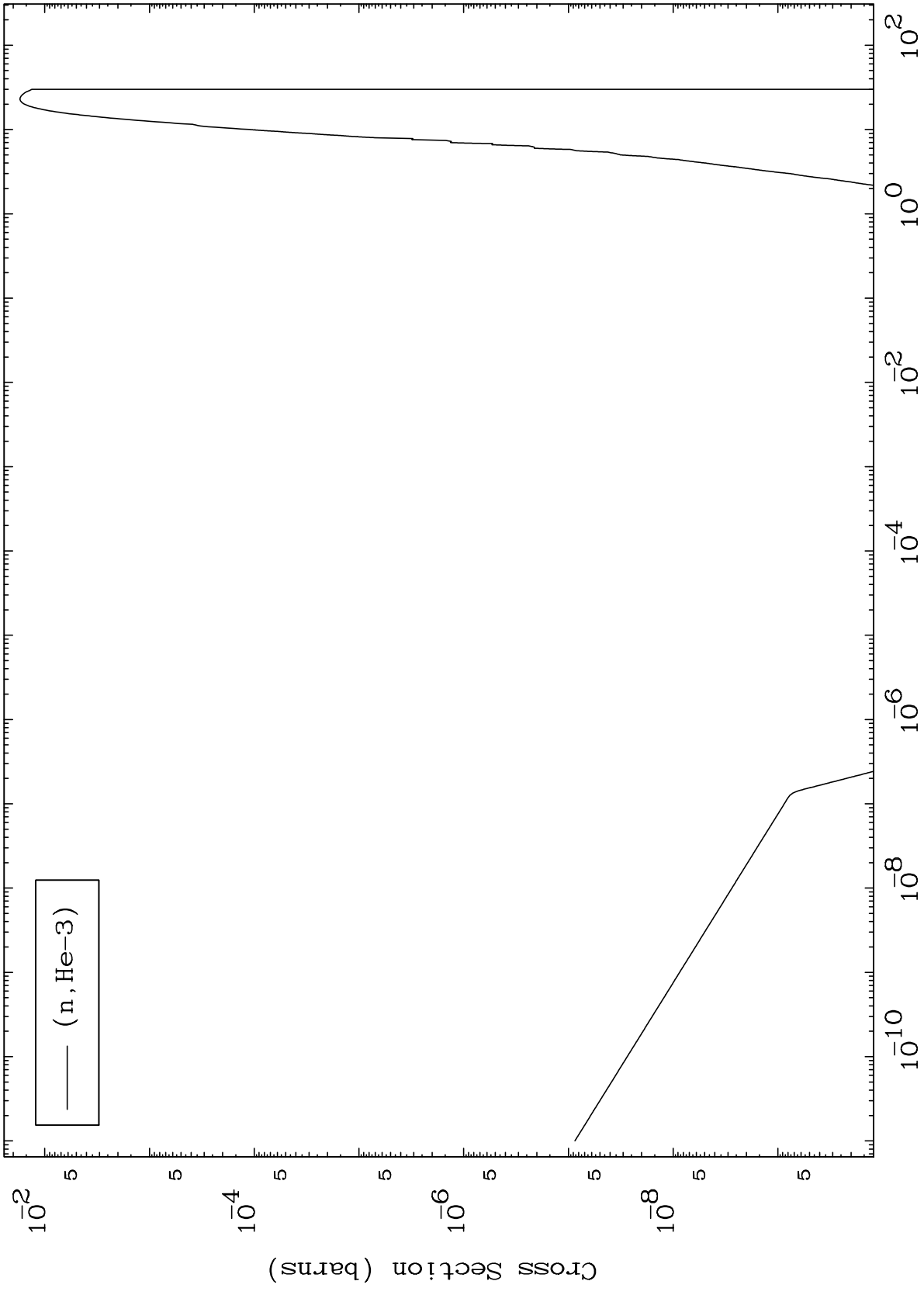
Incident Energy (MeV)

54-Xe-113

MAT 5392

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-113

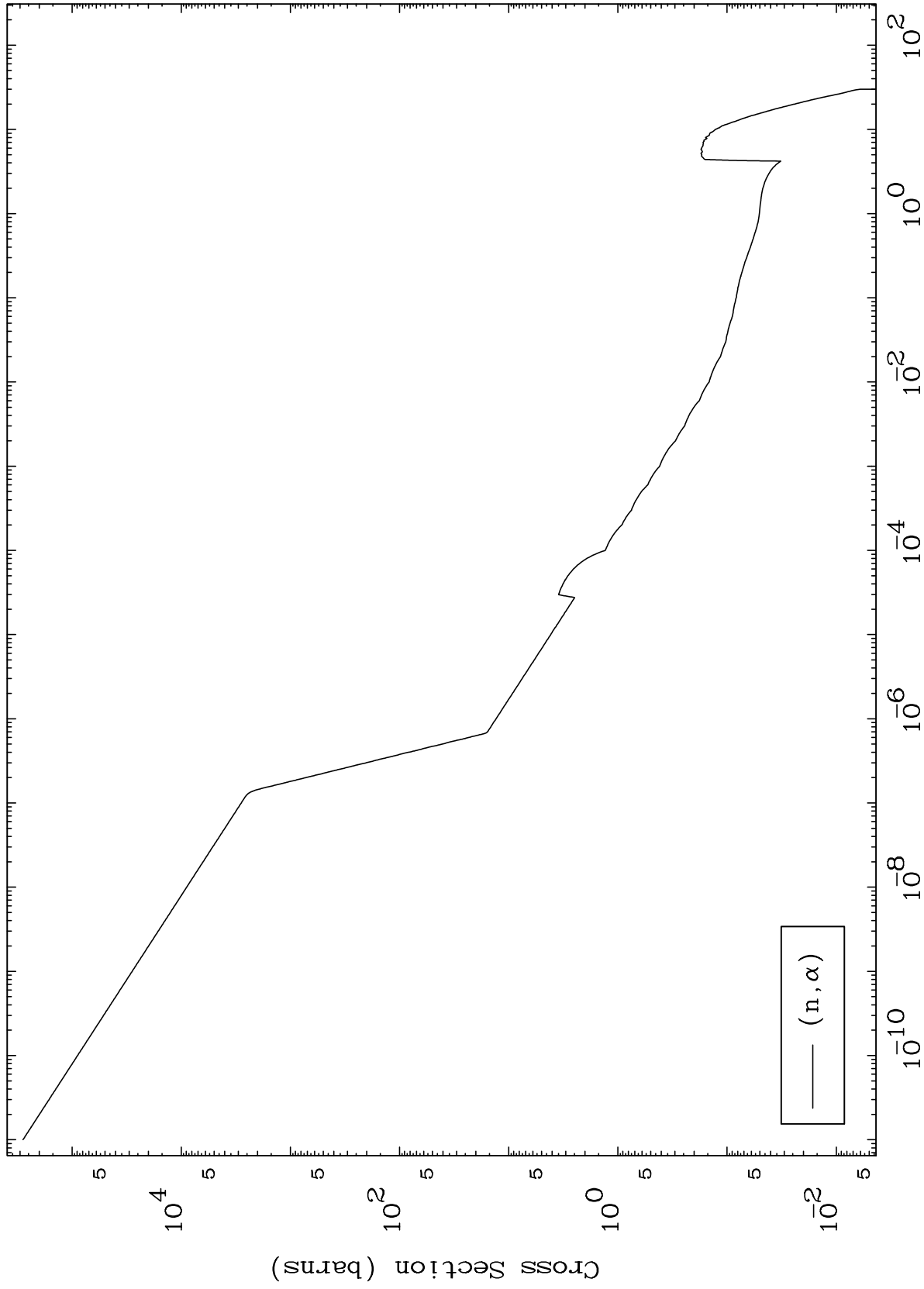


54-Xe-113

MAT 5392

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

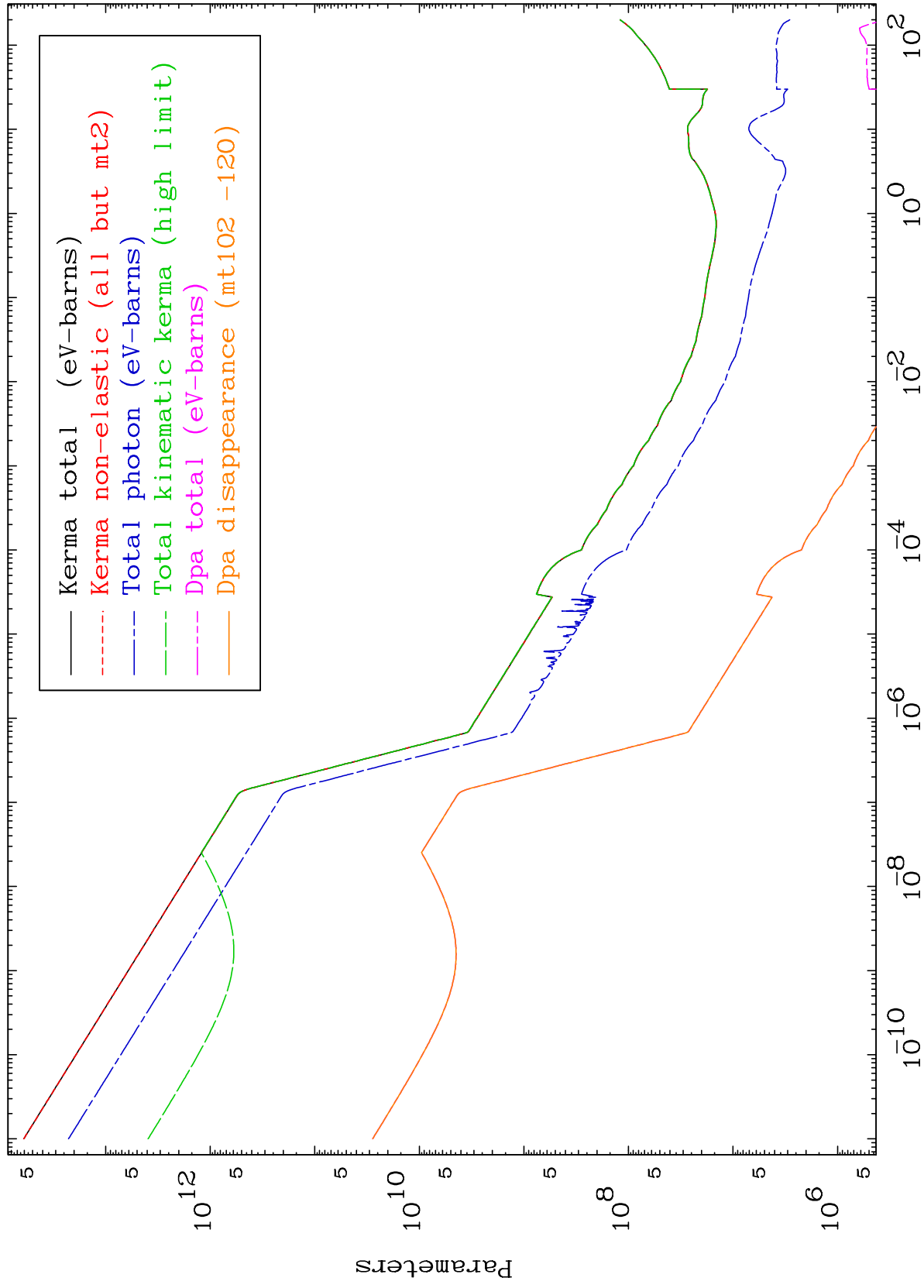
54-Xe-113



14

Incident Energy (MeV)

54-Xe-113

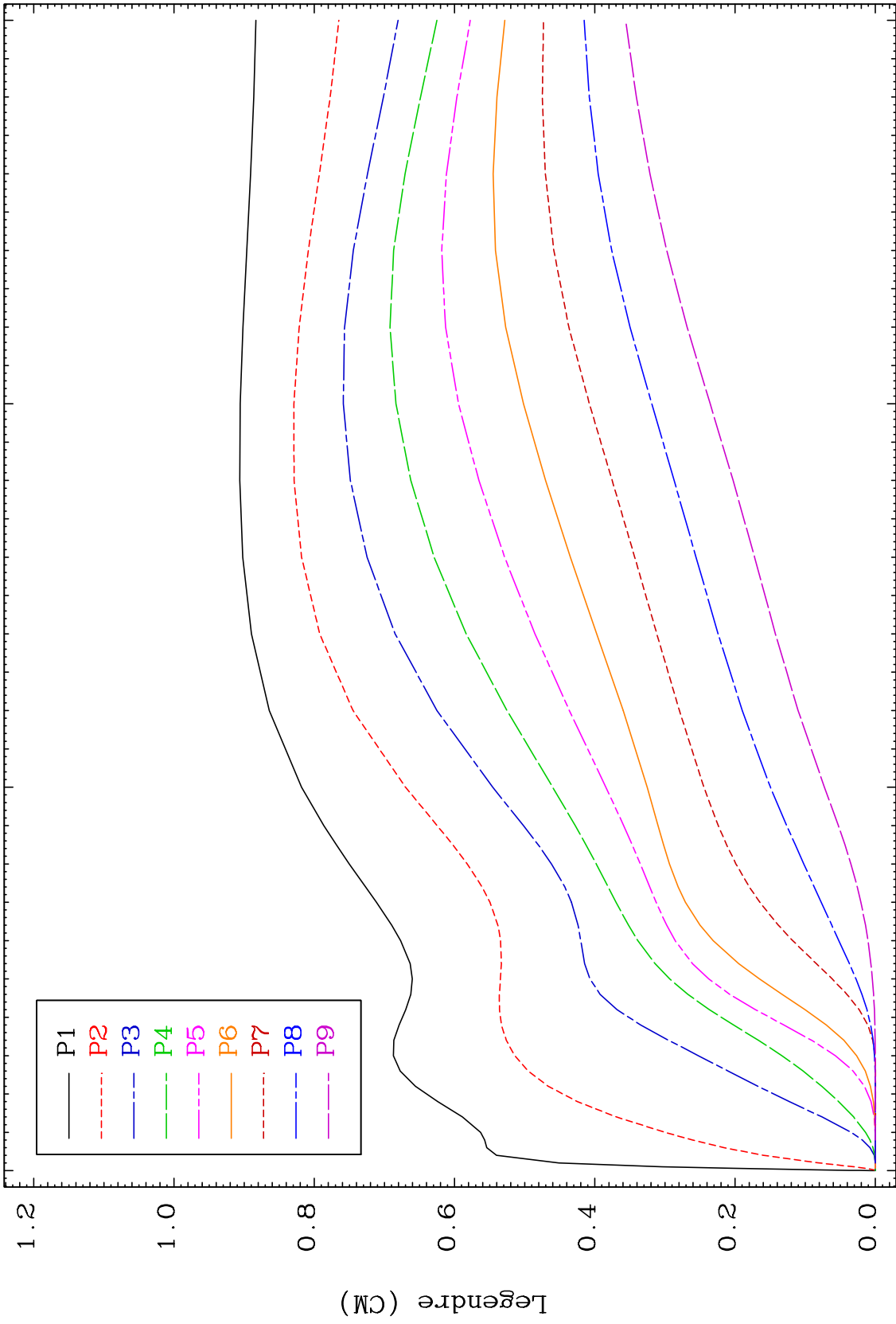




MAT 5392

Elastic Legendre Coefficients

54-Xe-113



16

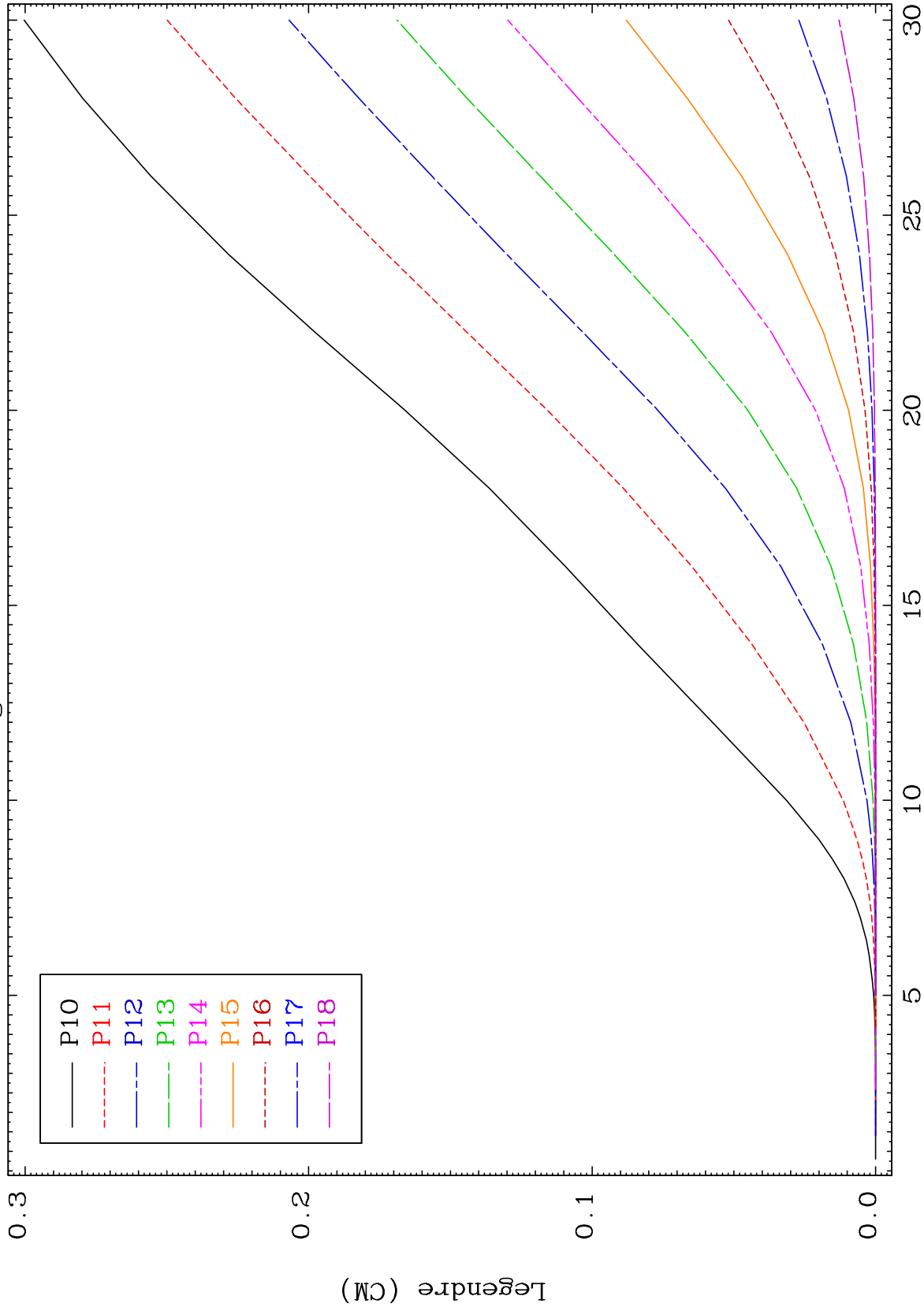
Incident Energy (MeV)

54-Xe-113

MAT 5392

Elastic Legendre Coefficients

54-Xe-113



17

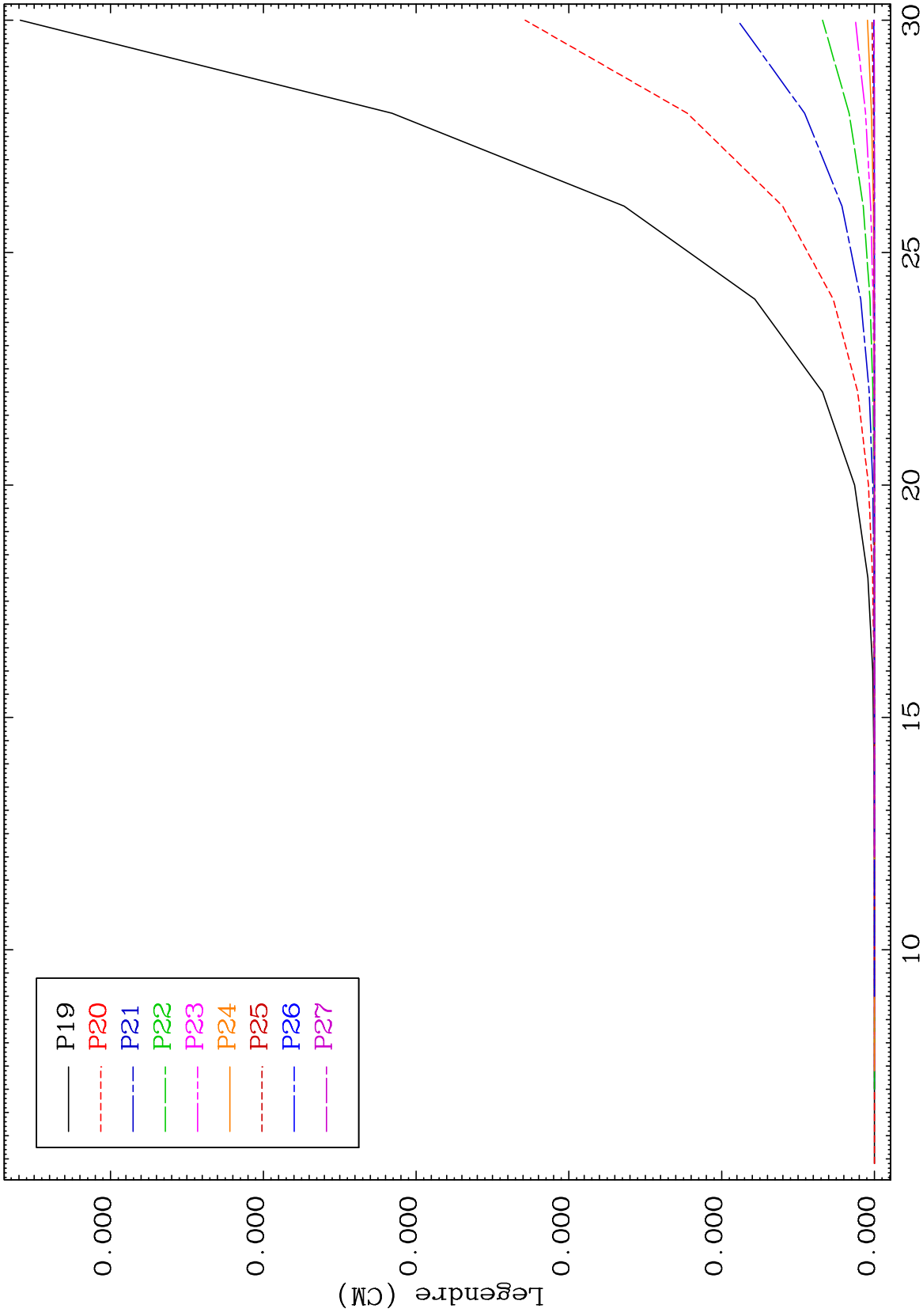
Incident Energy (MeV)

54-Xe-113

MAT 5392

### Elastic Legendre Coefficients

54-Xe-113



18

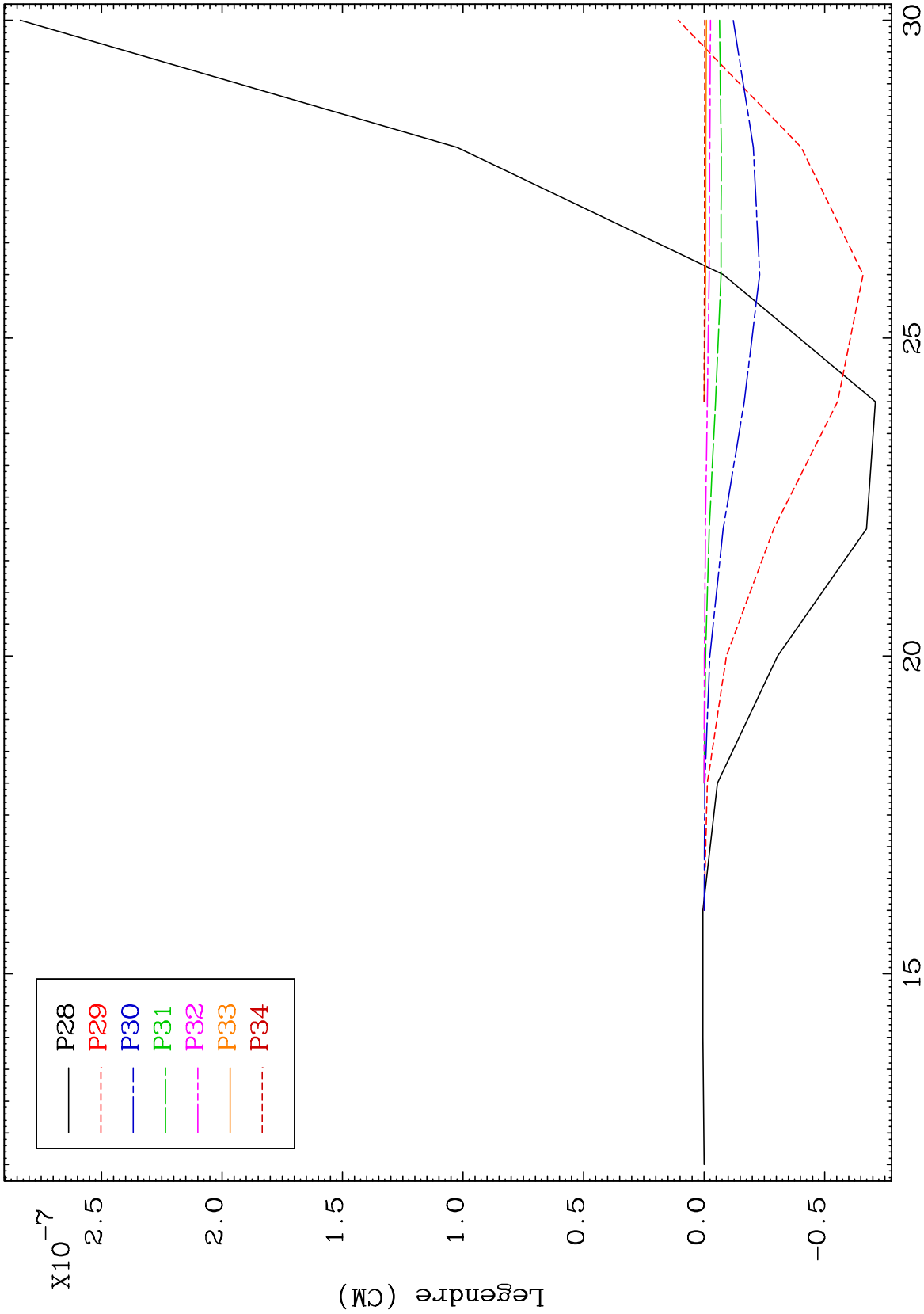
Incident Energy (MeV)

54-Xe-113

MAT 5392

Elastic Legendre Coefficients

54-Xe-113



19

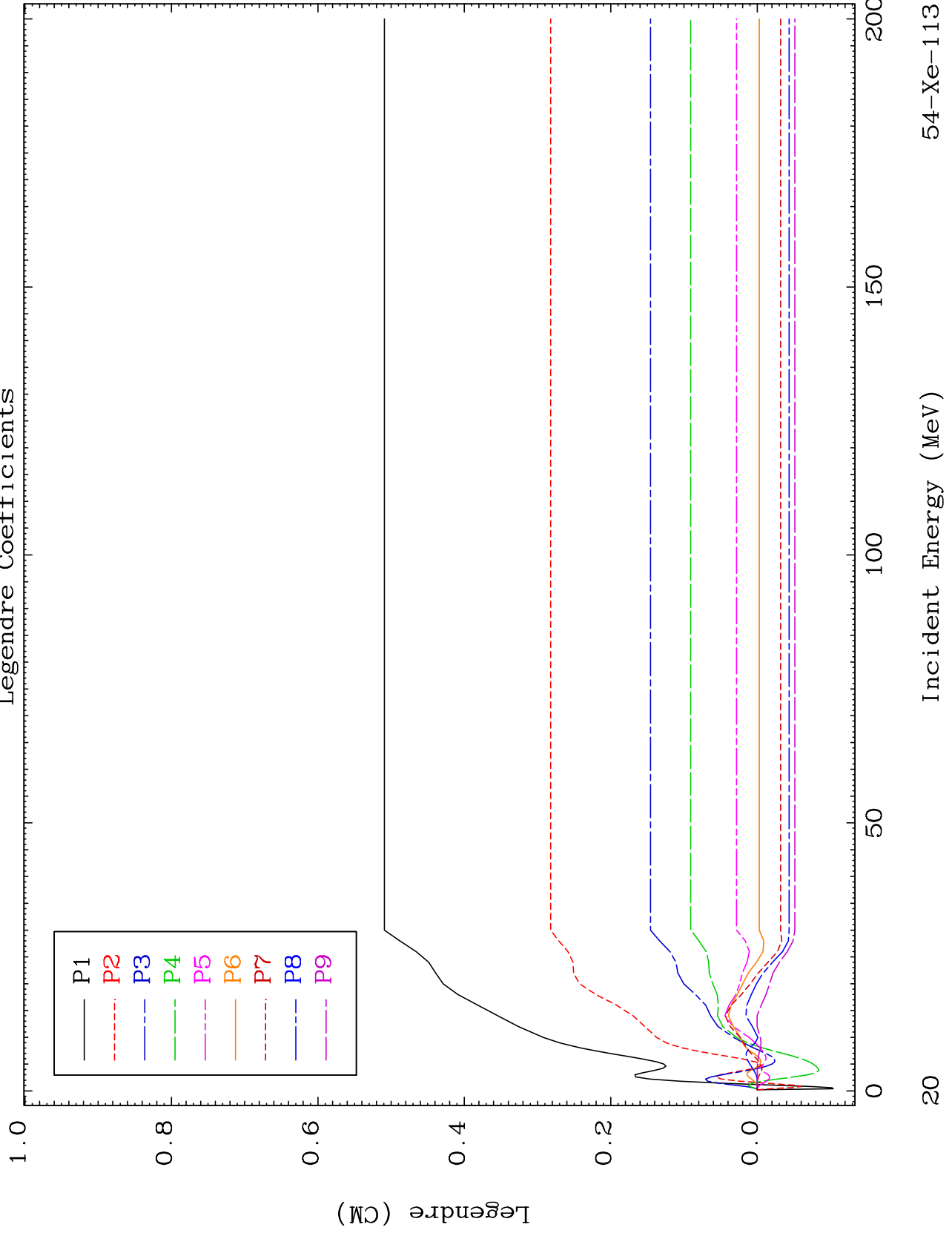
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113

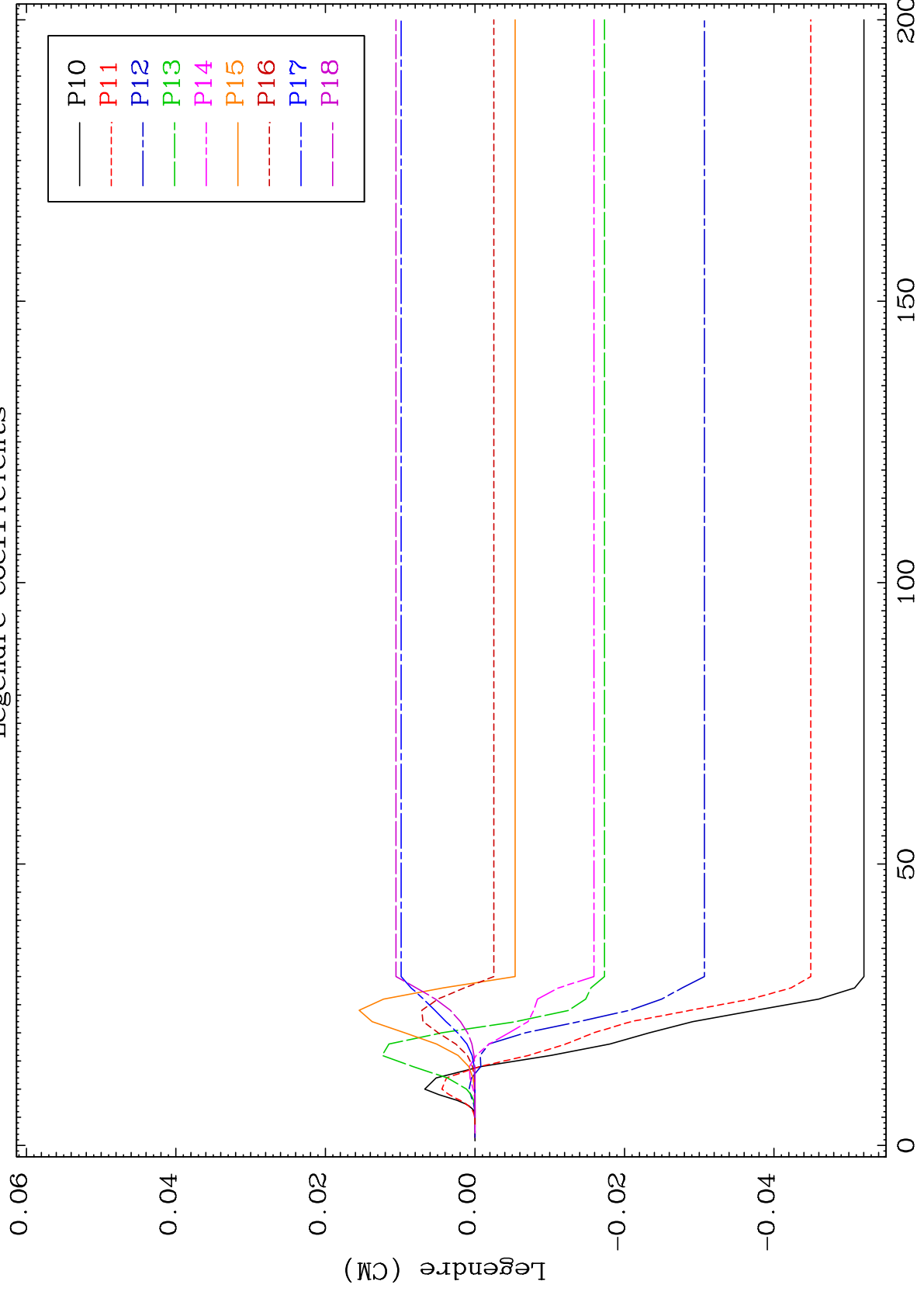


54-Xe-113

MAT 5392

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

54-Xe-113



21

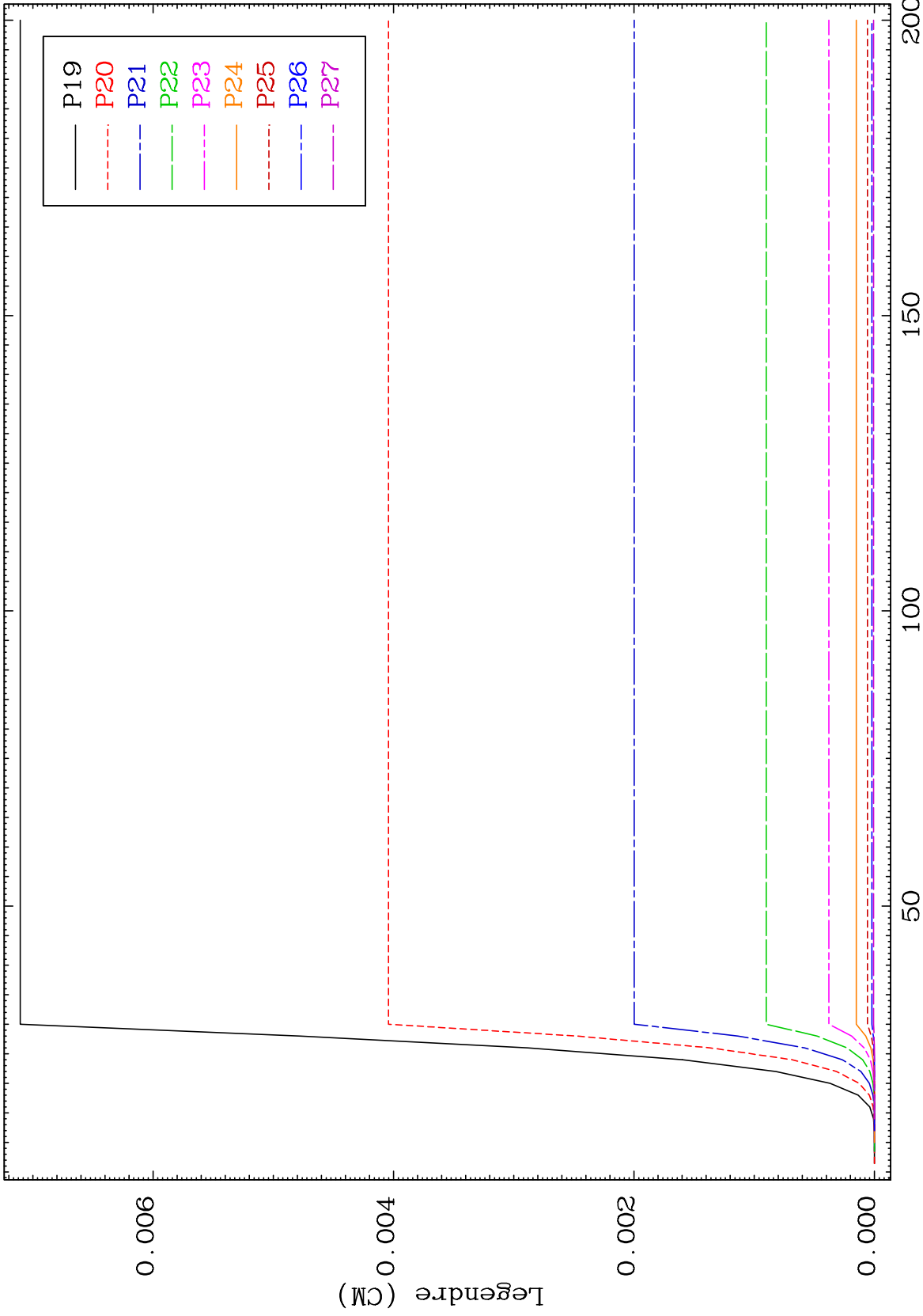
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



22

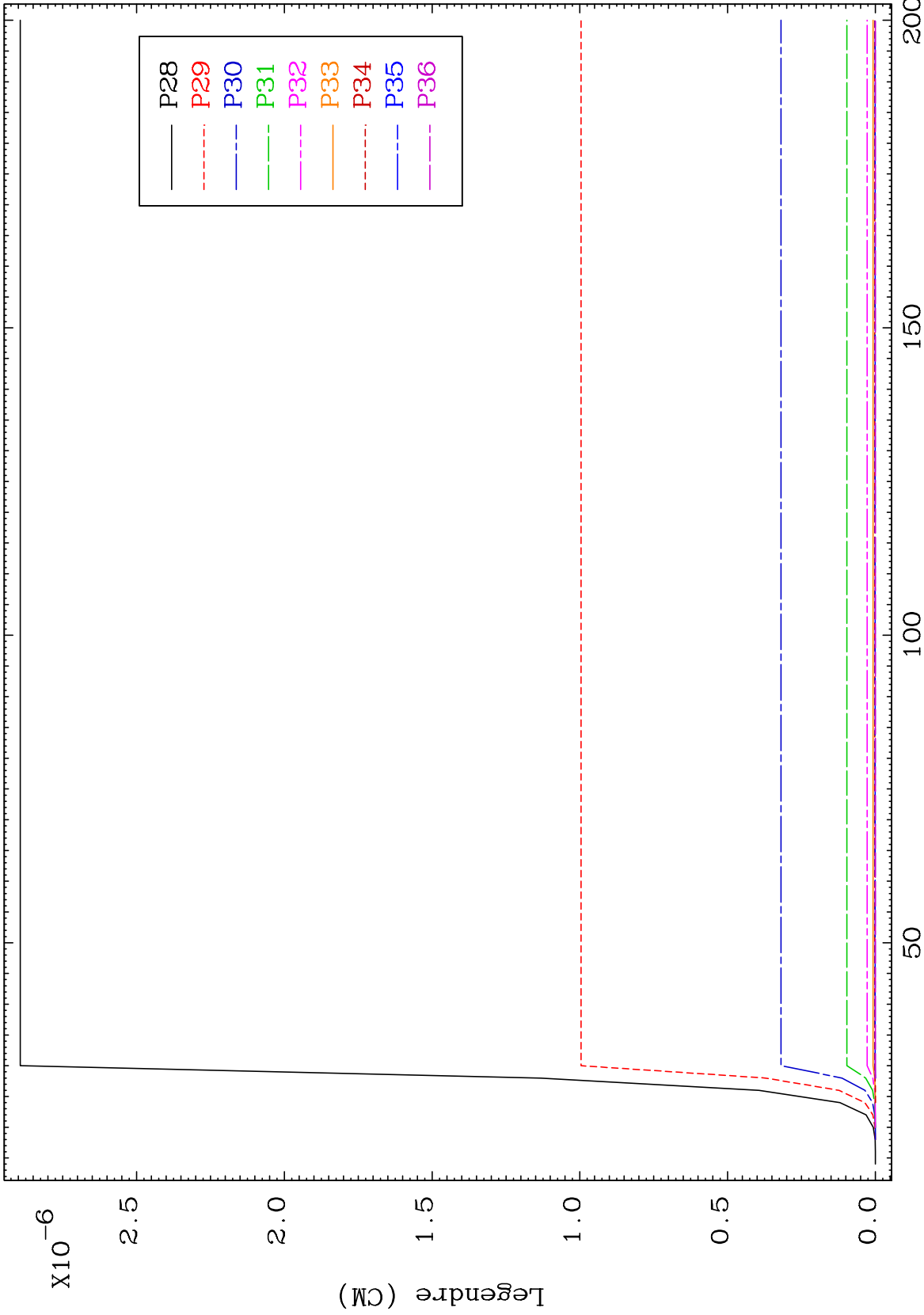
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



23

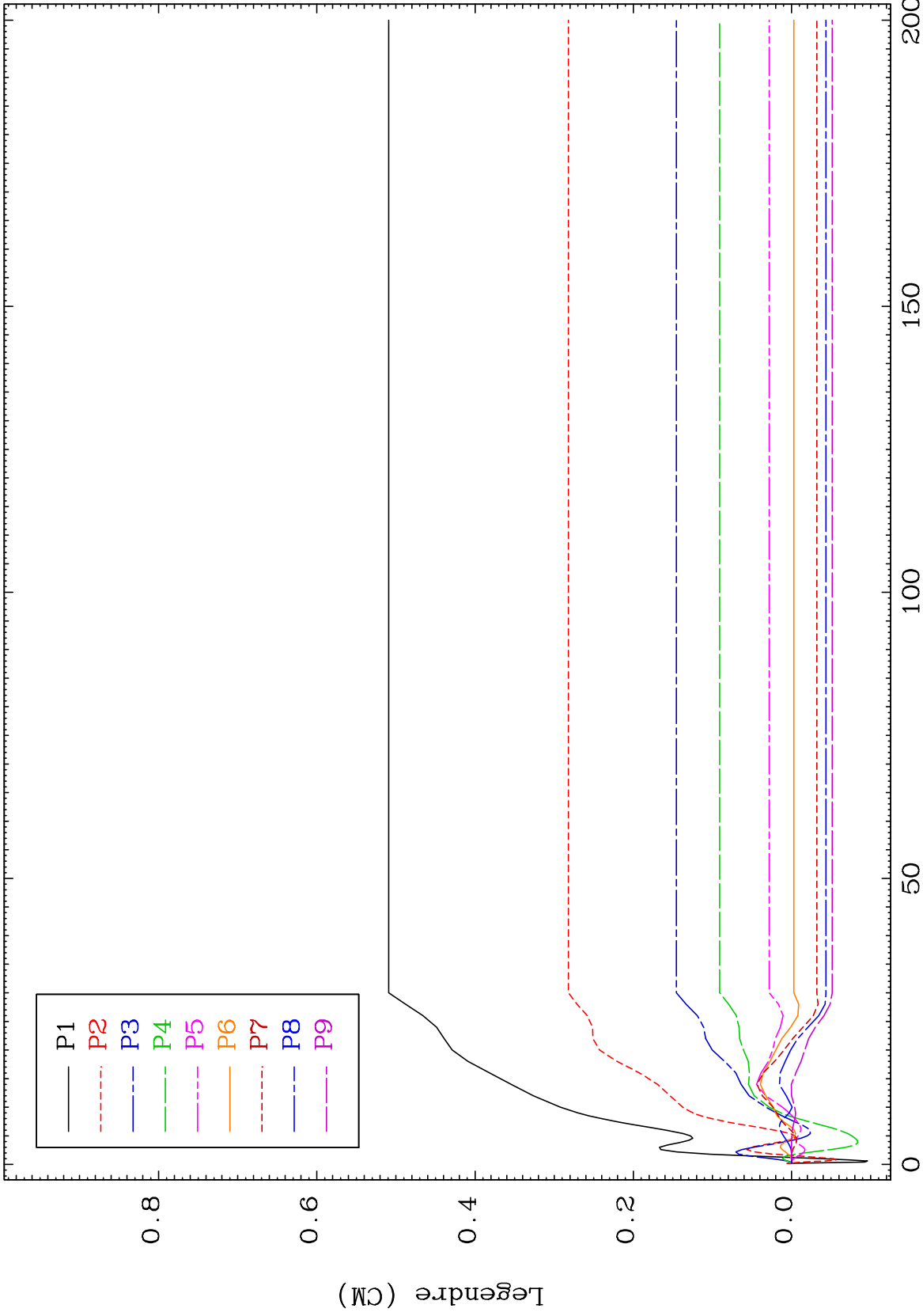
54-Xe-113



MAT 5392

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

54-Xe-113



24

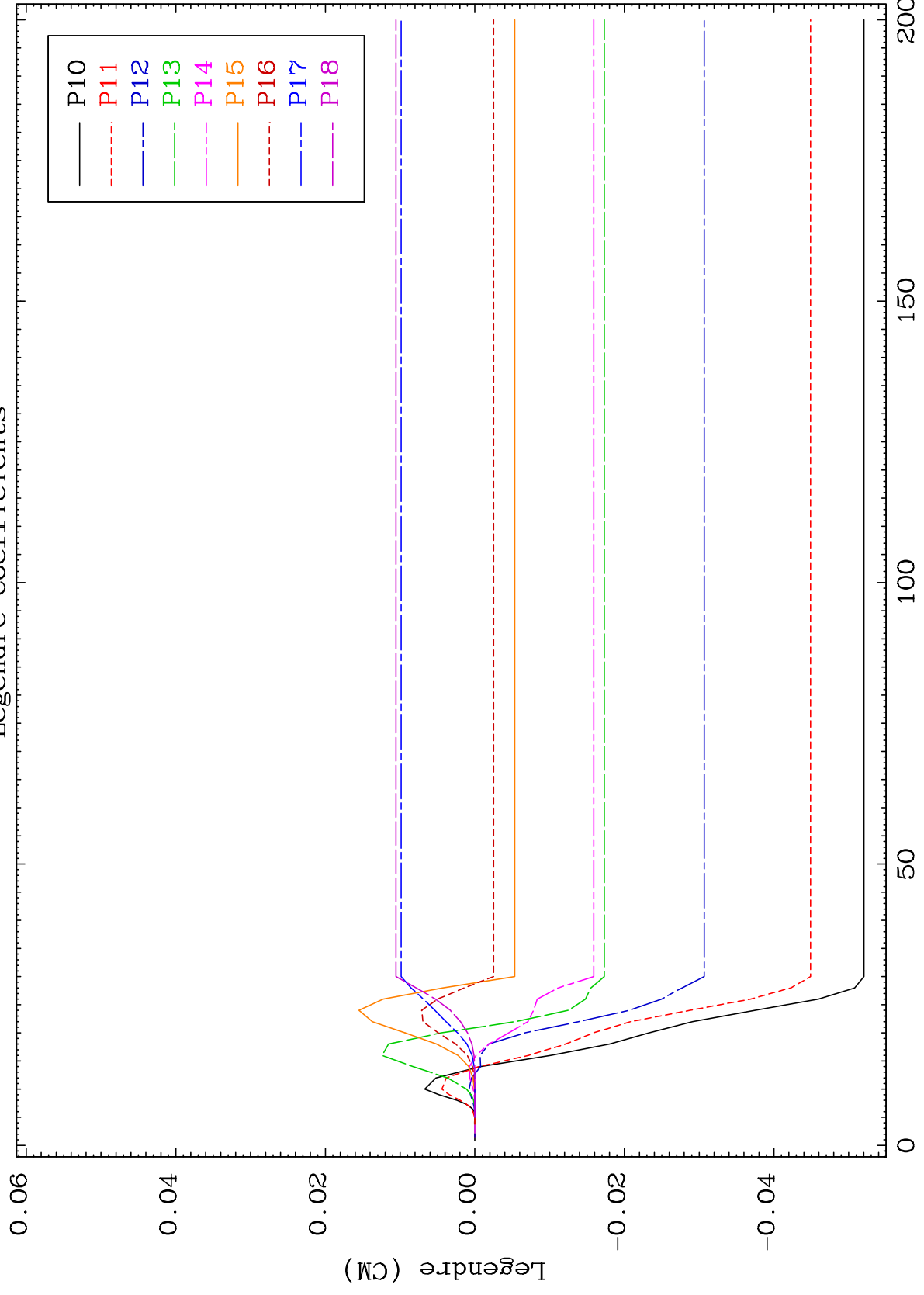
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



25

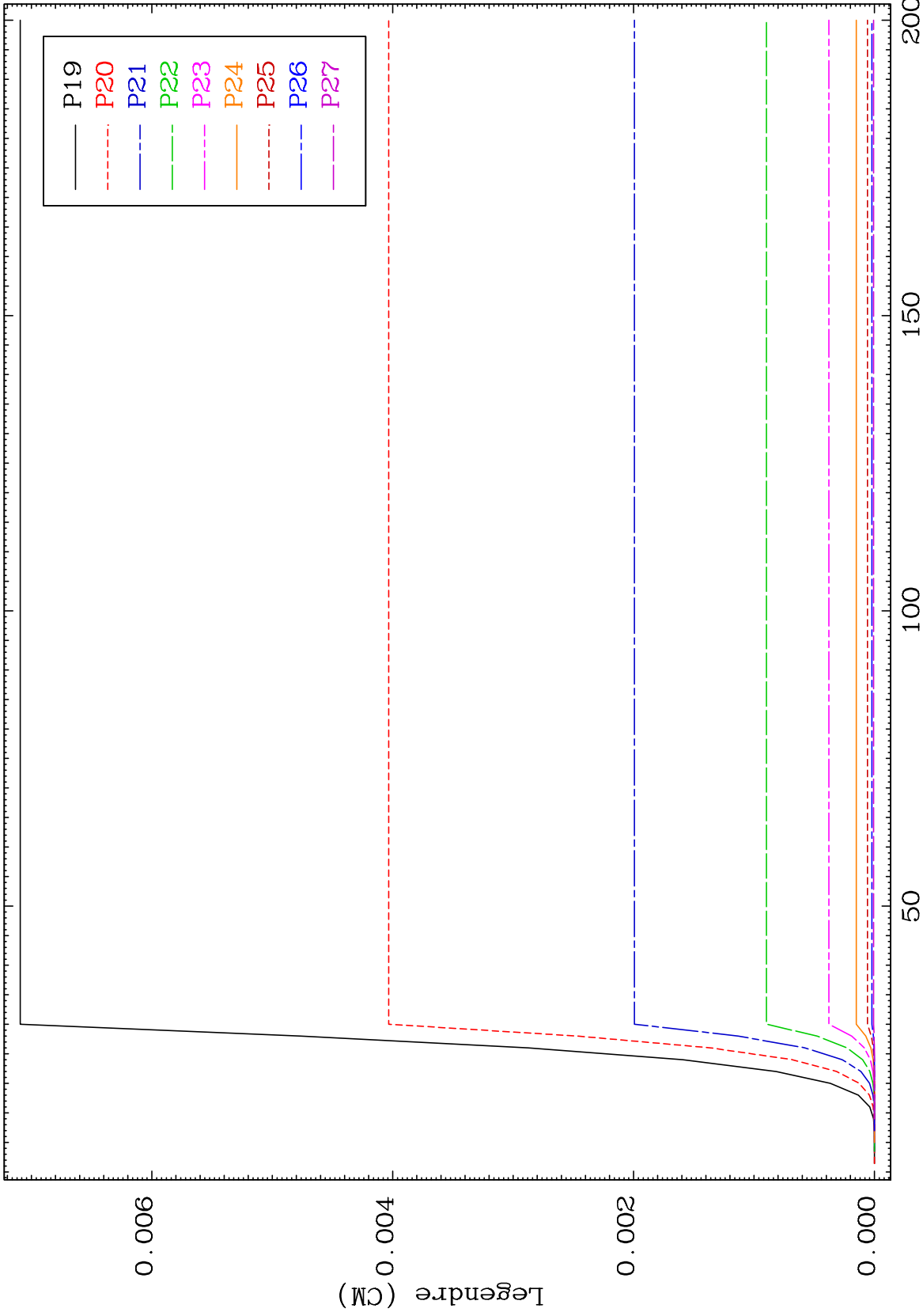
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



26

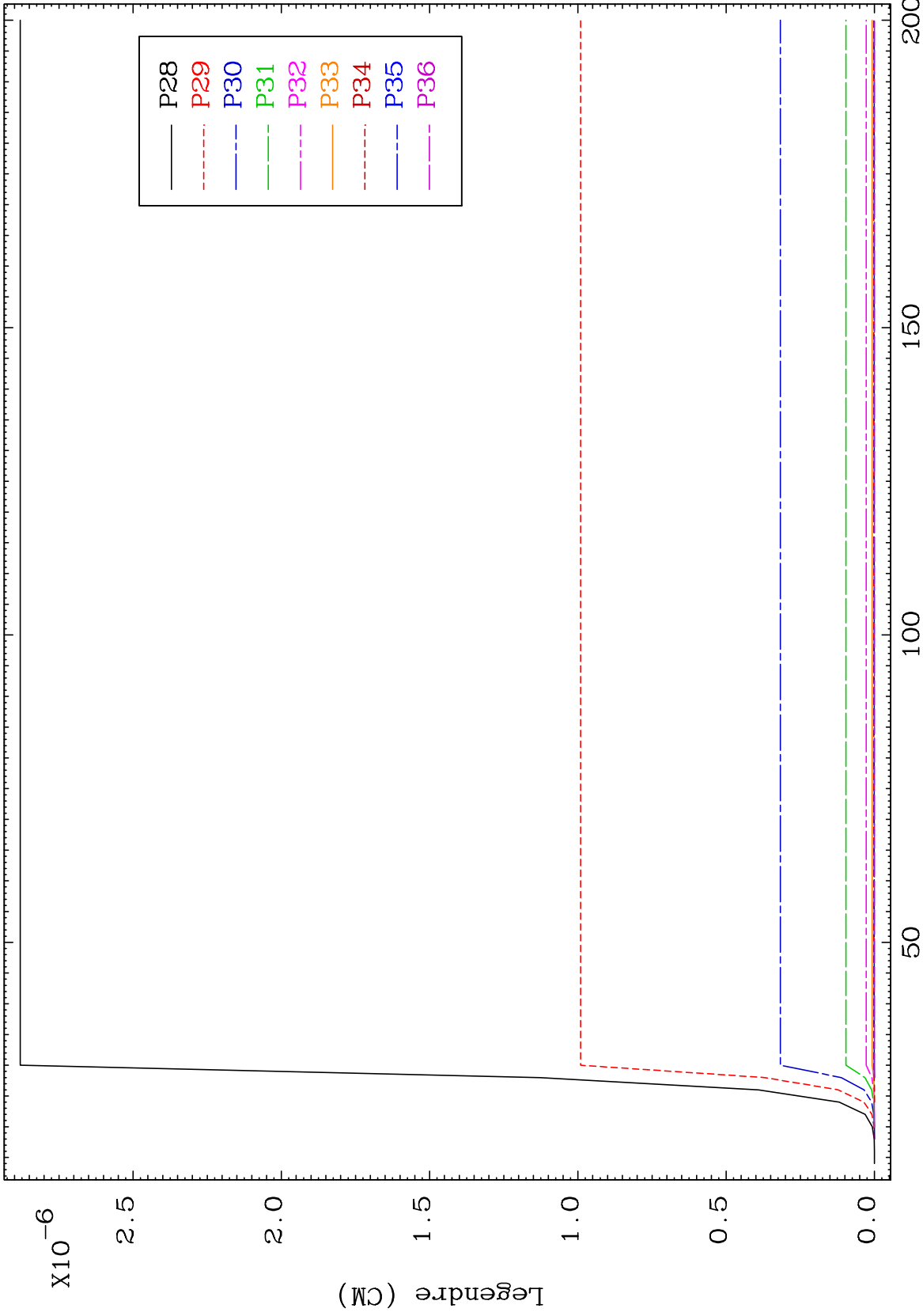
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



27

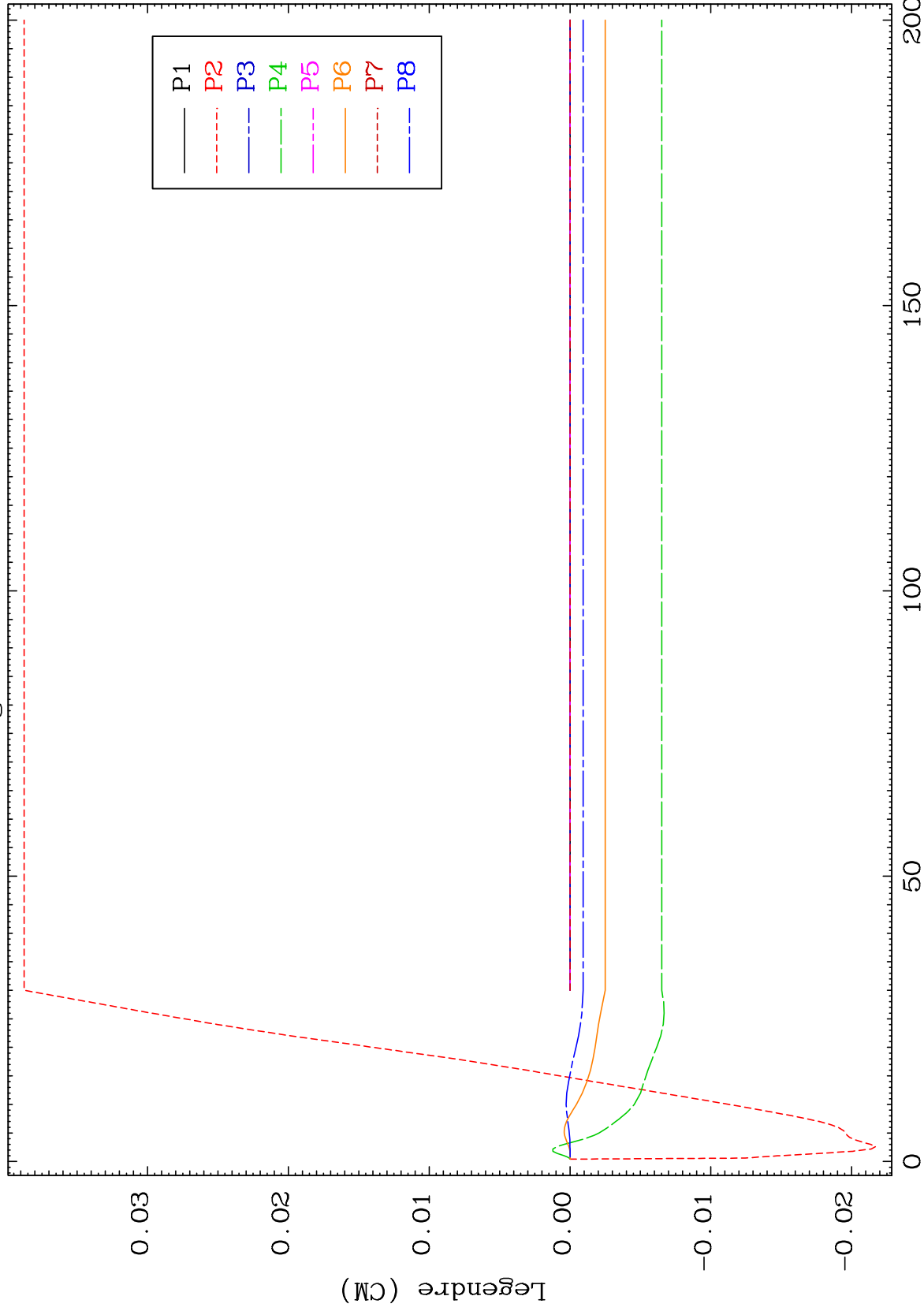
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



28

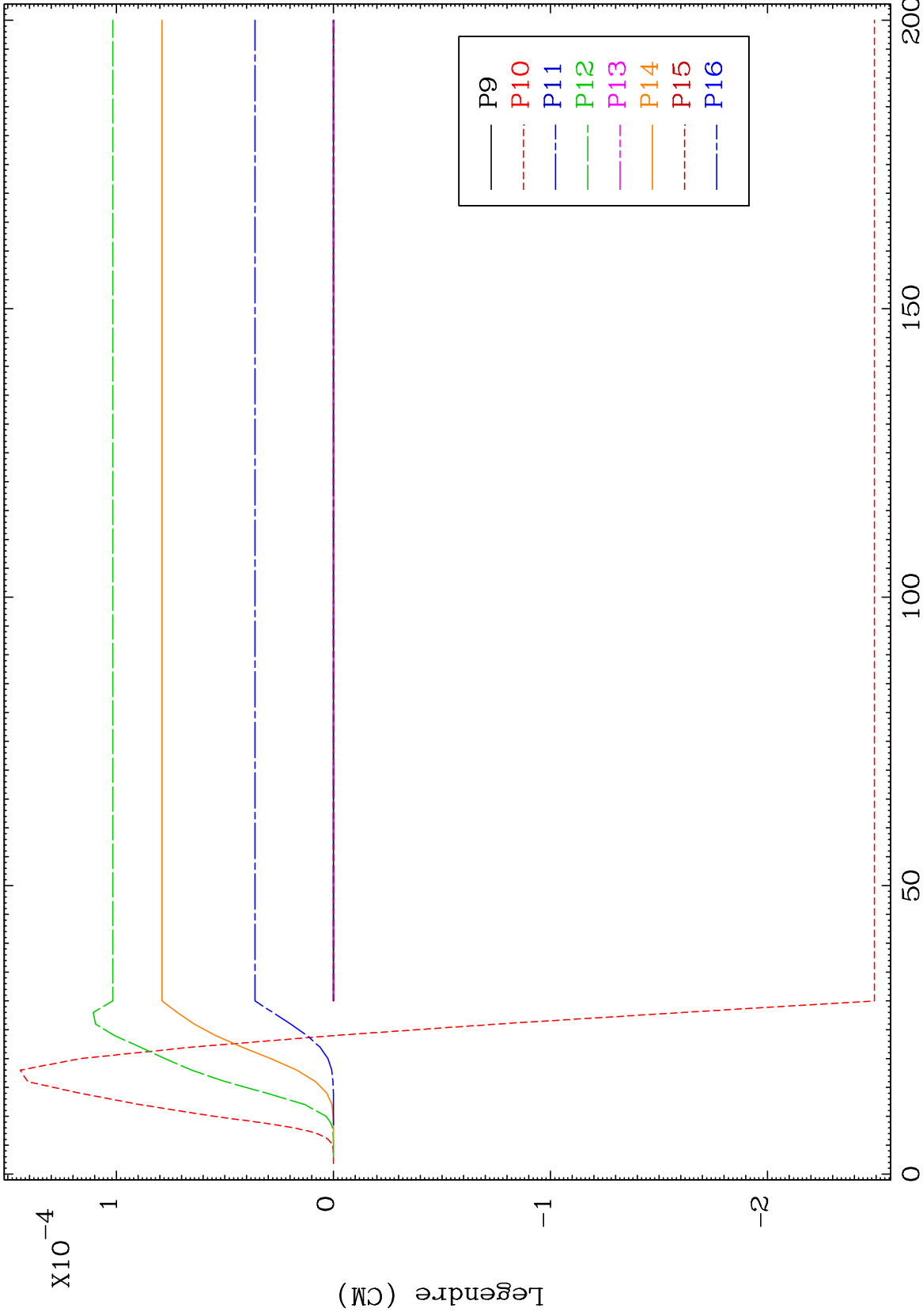
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



29

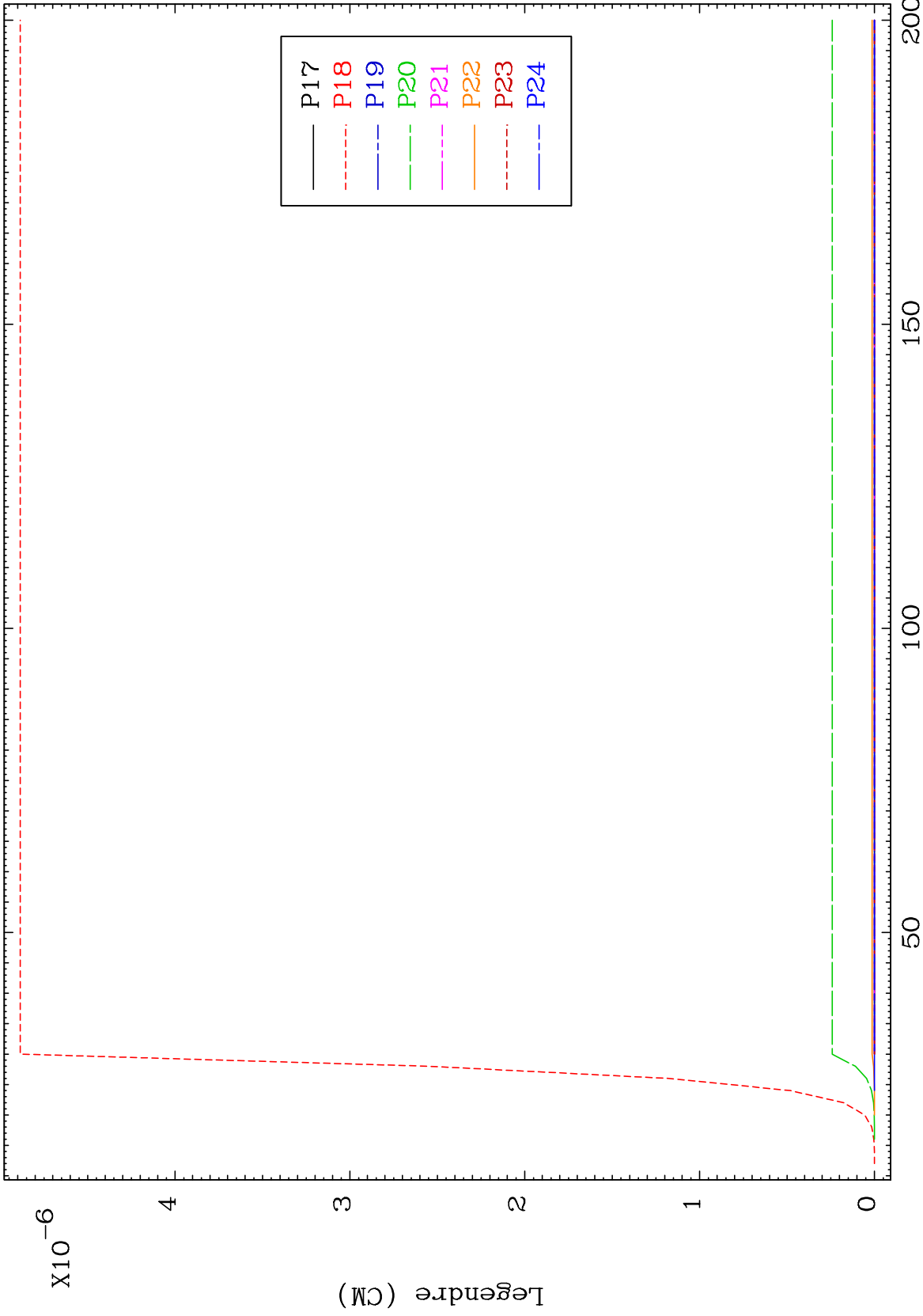
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



30

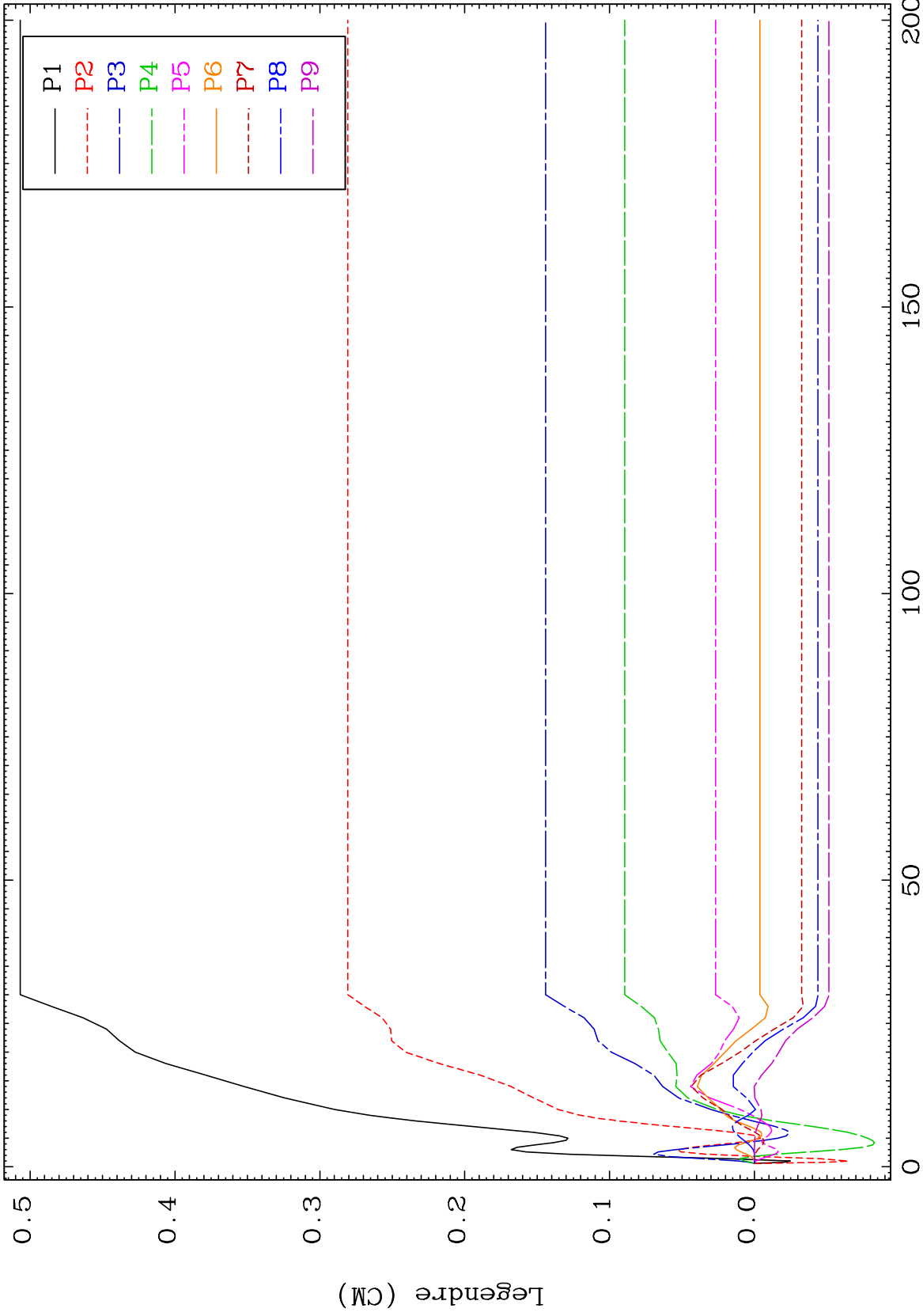
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



31

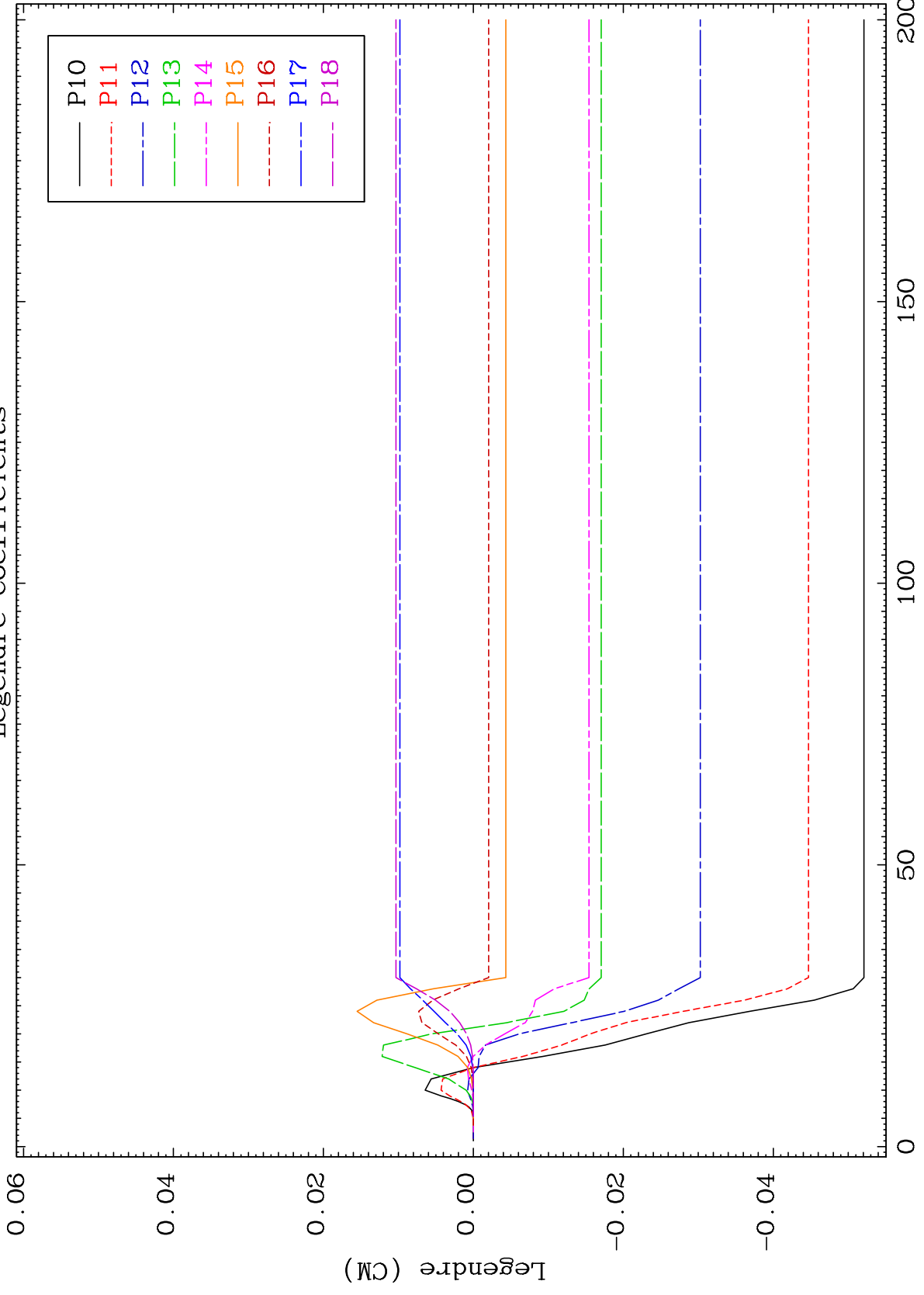
54-Xe-113



MAT 5392

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

54-Xe-113



32

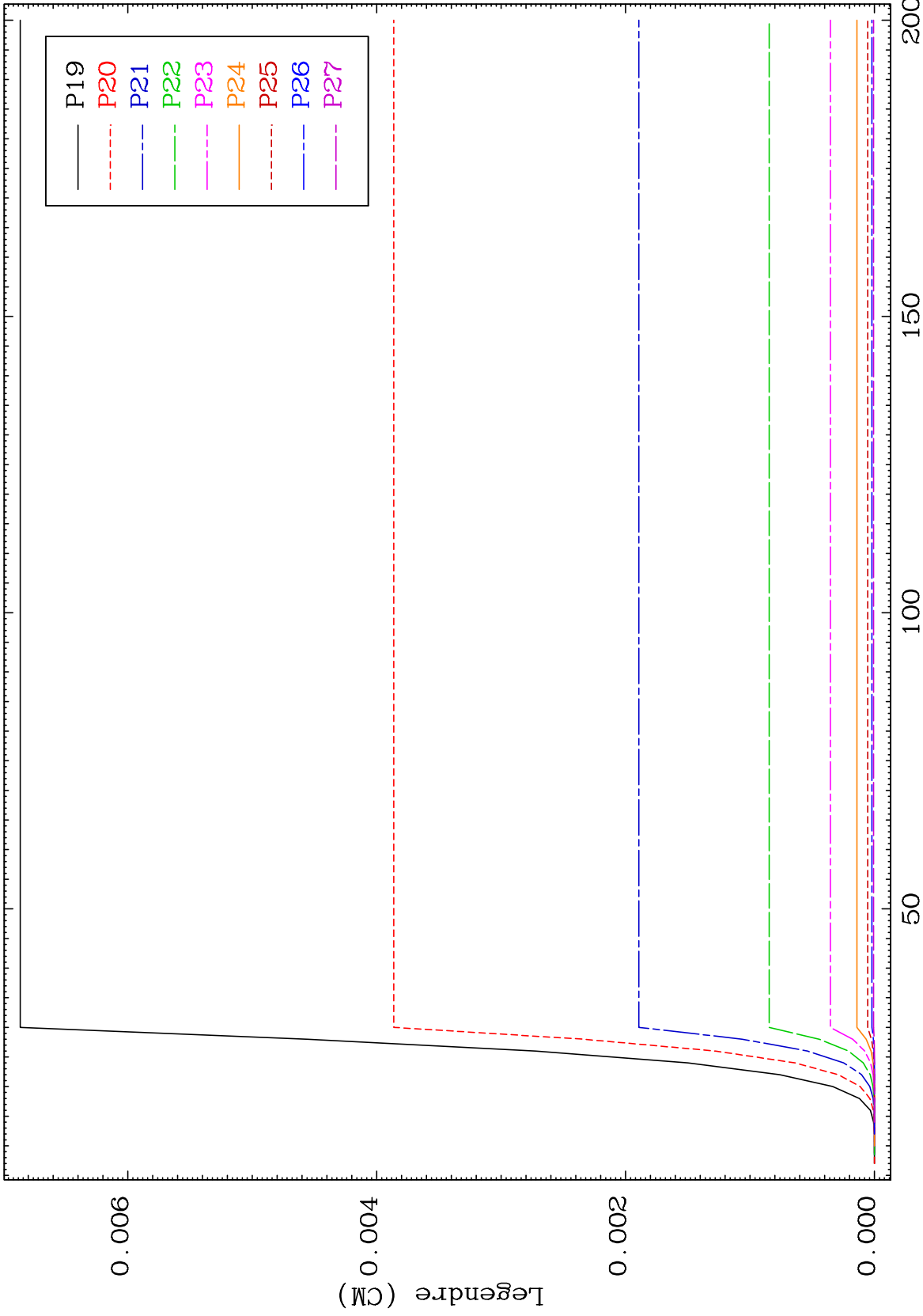
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



33

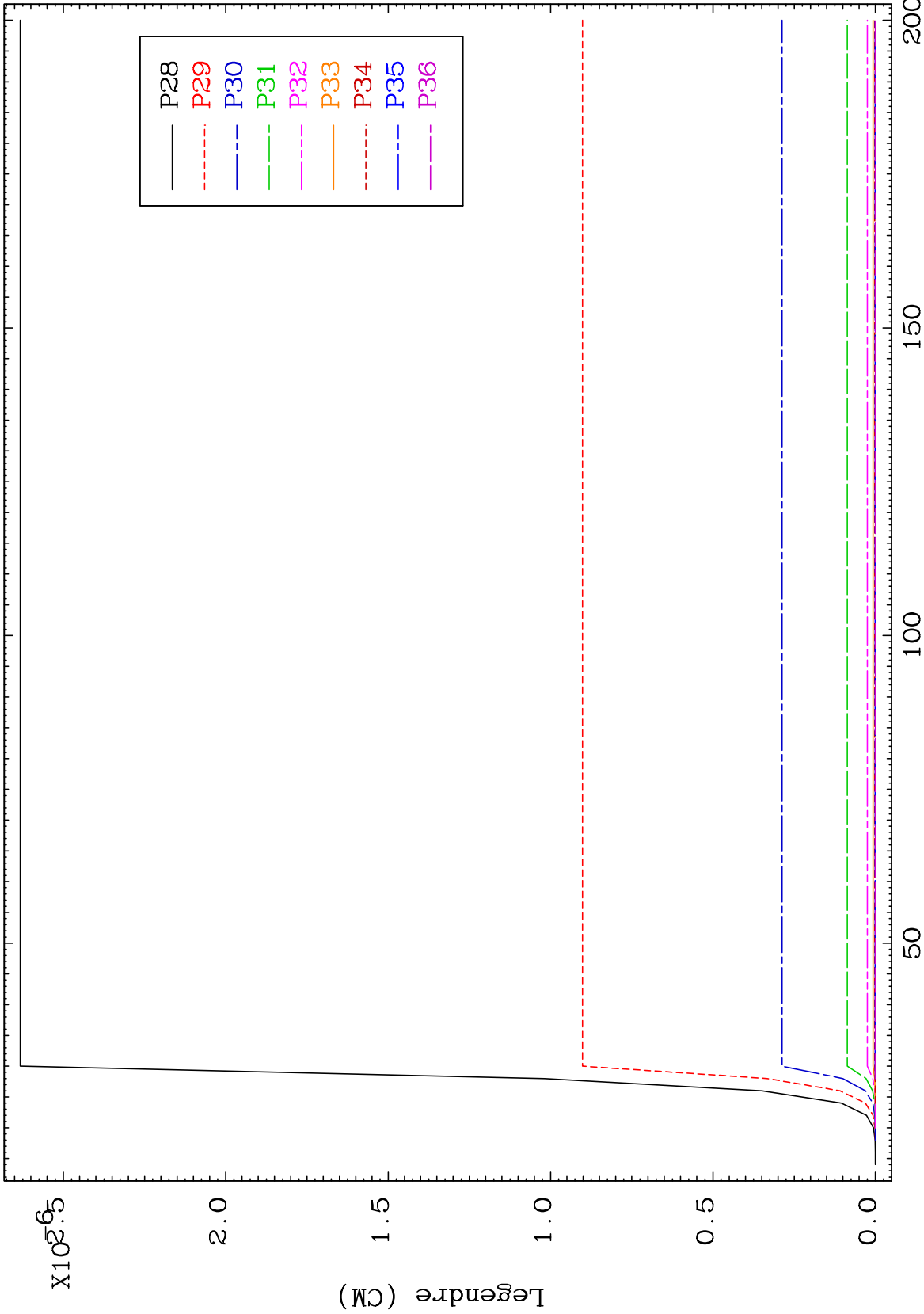
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



34

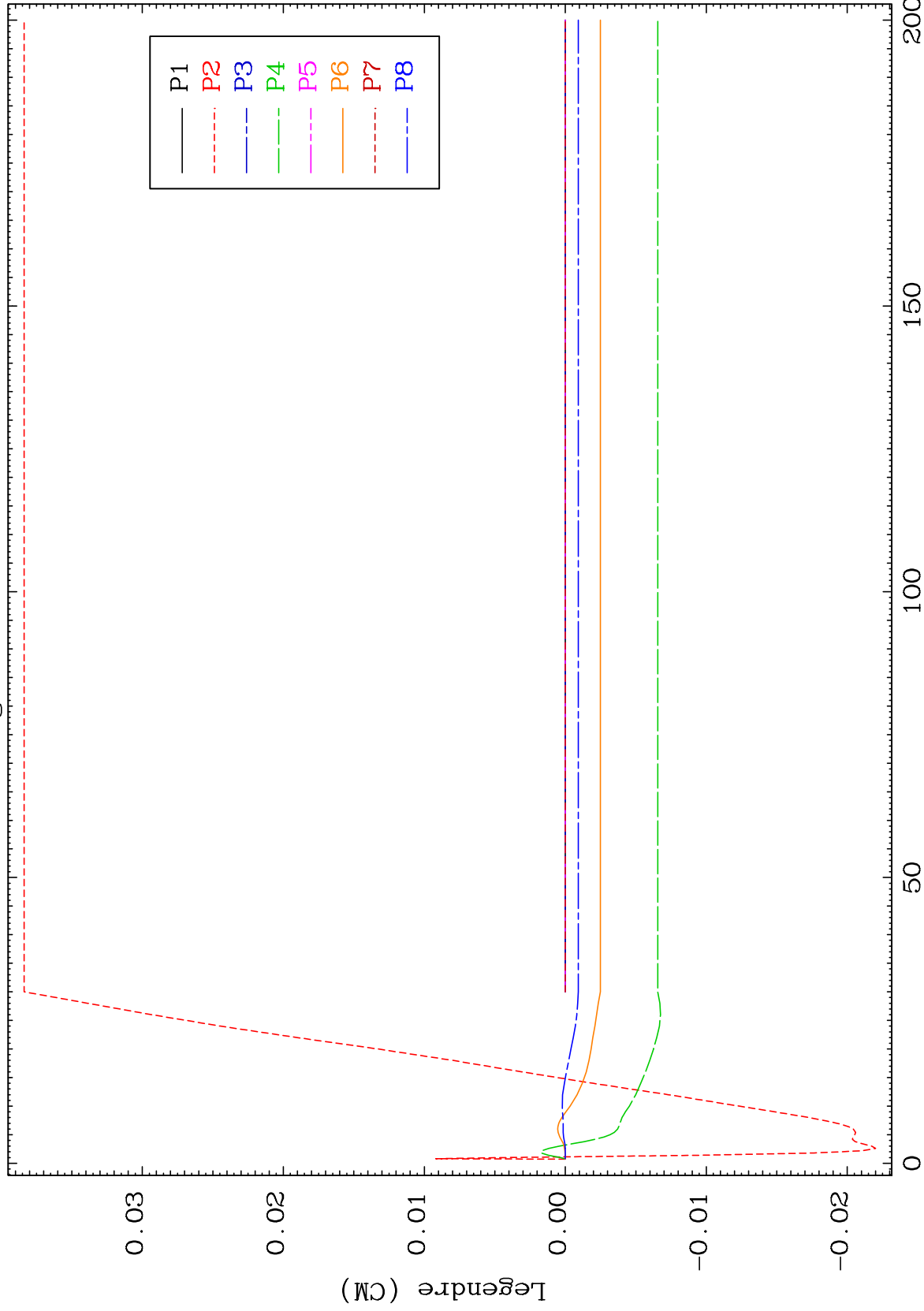
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



35

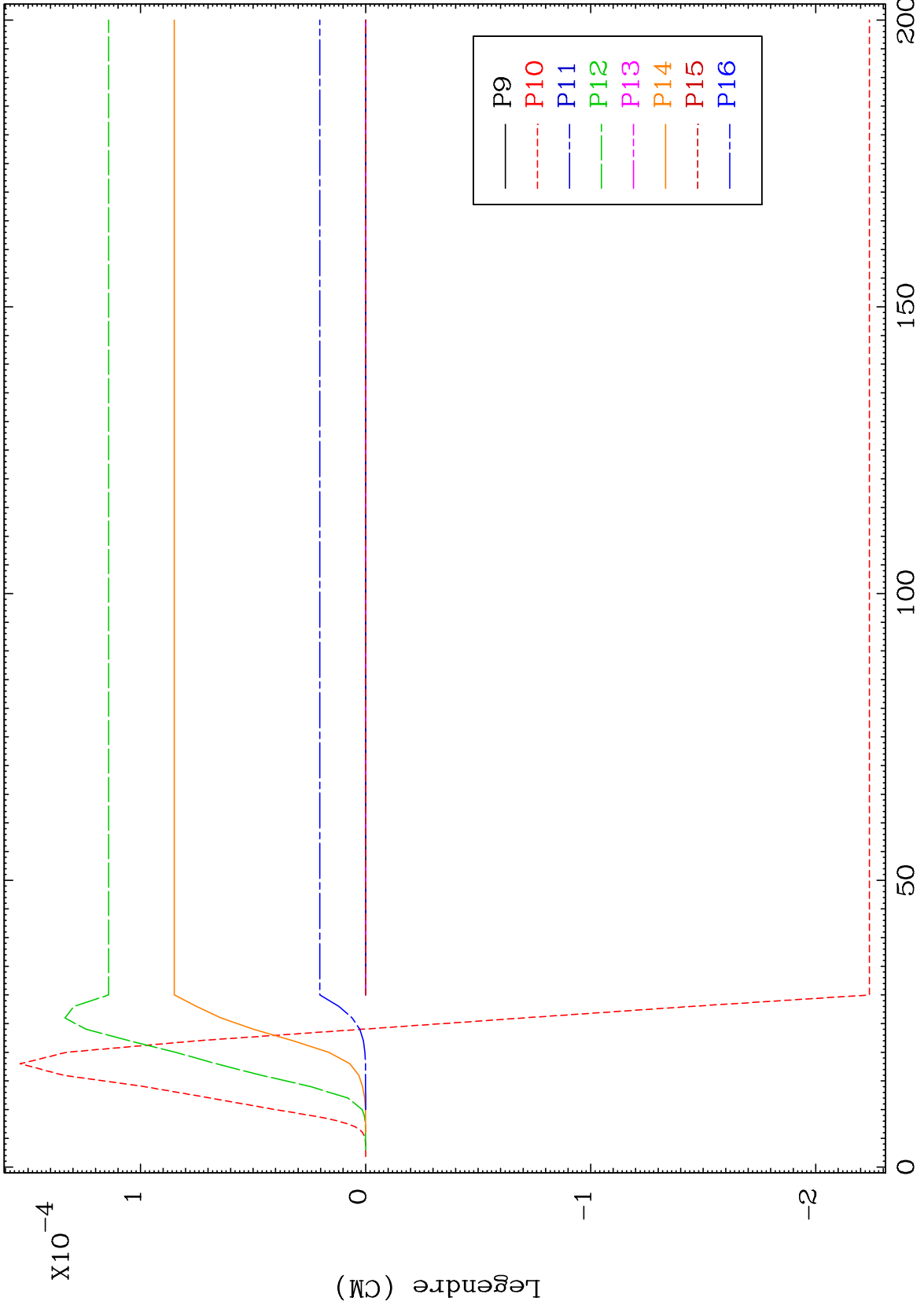
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



36

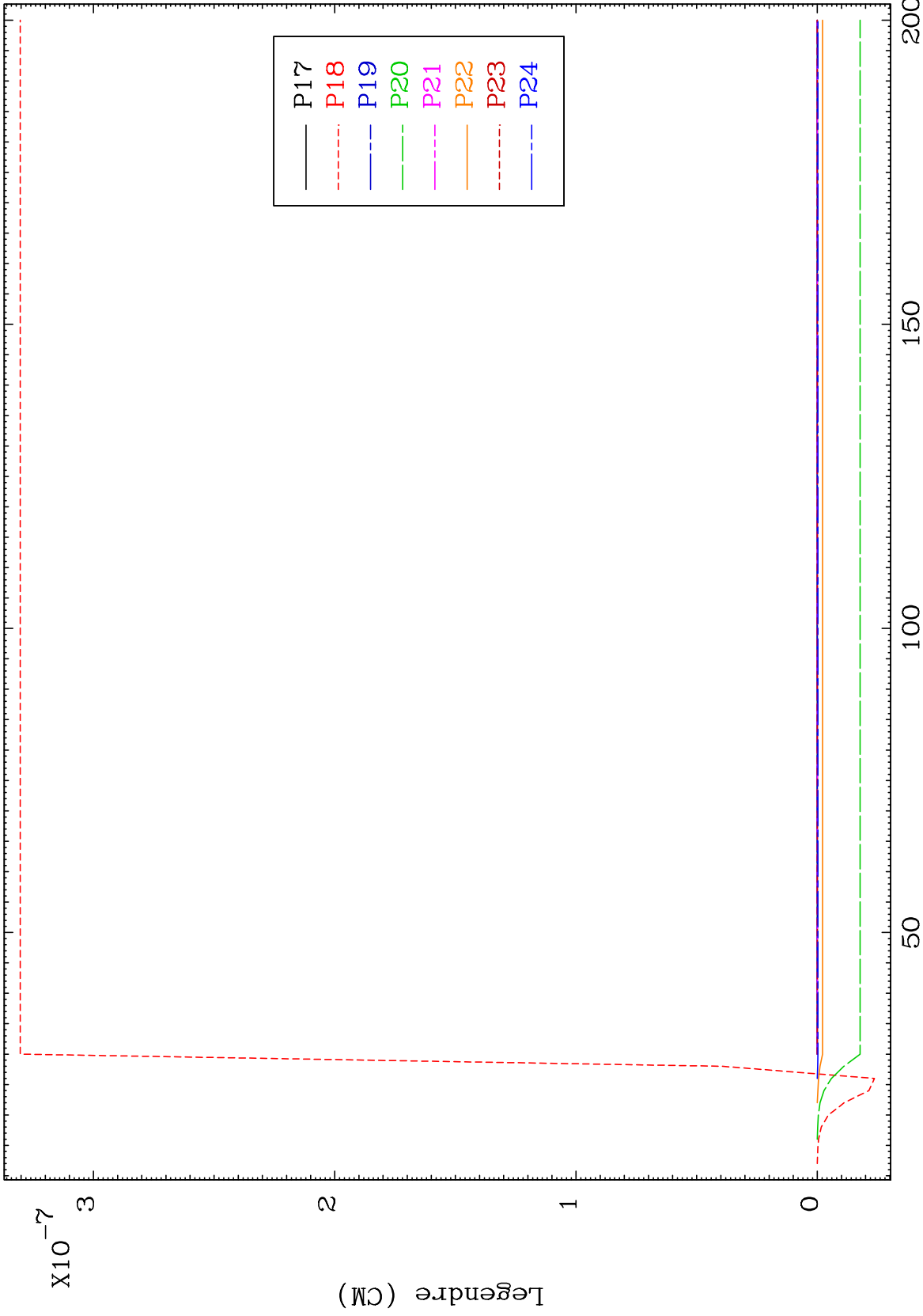
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



37

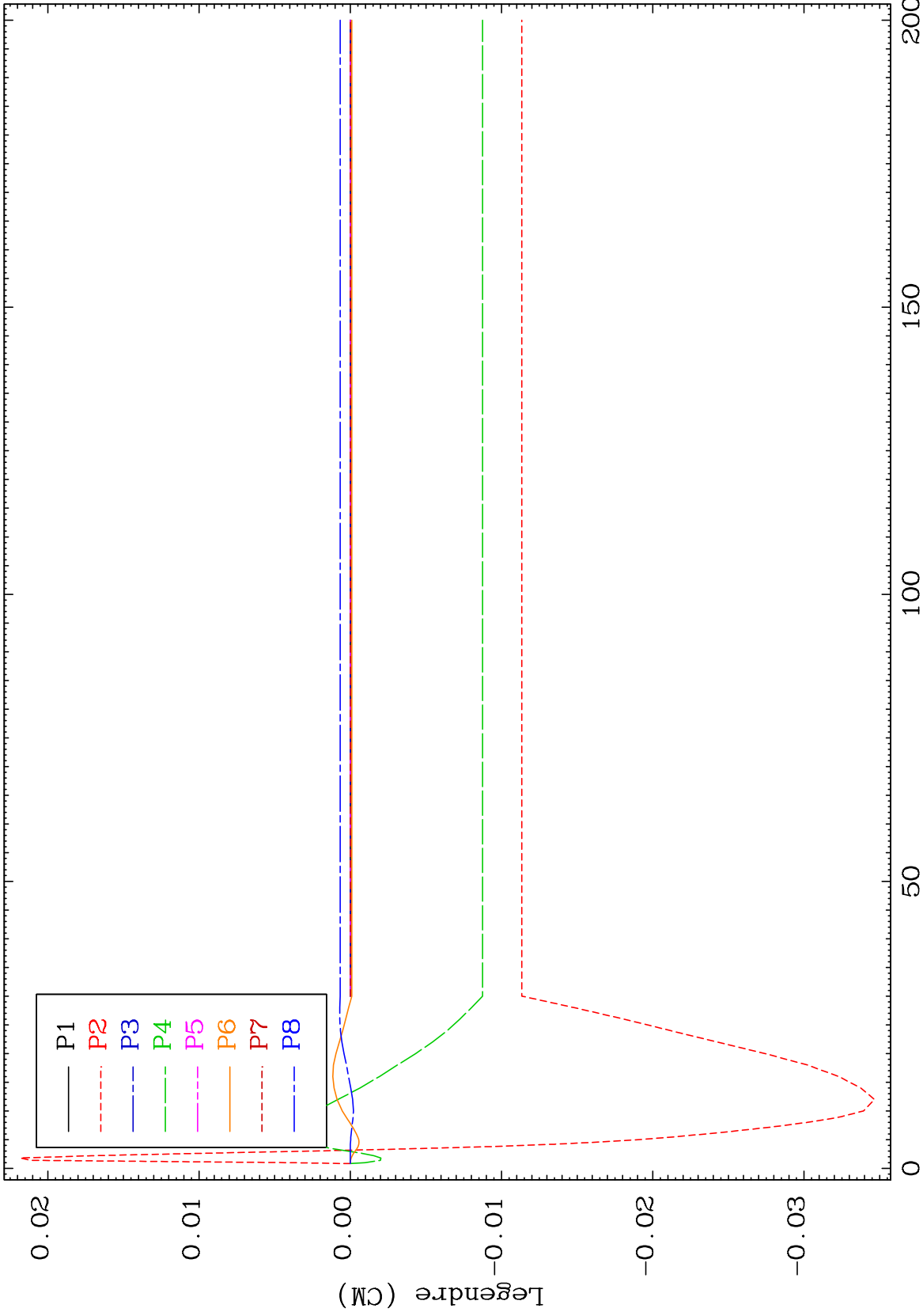
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



38

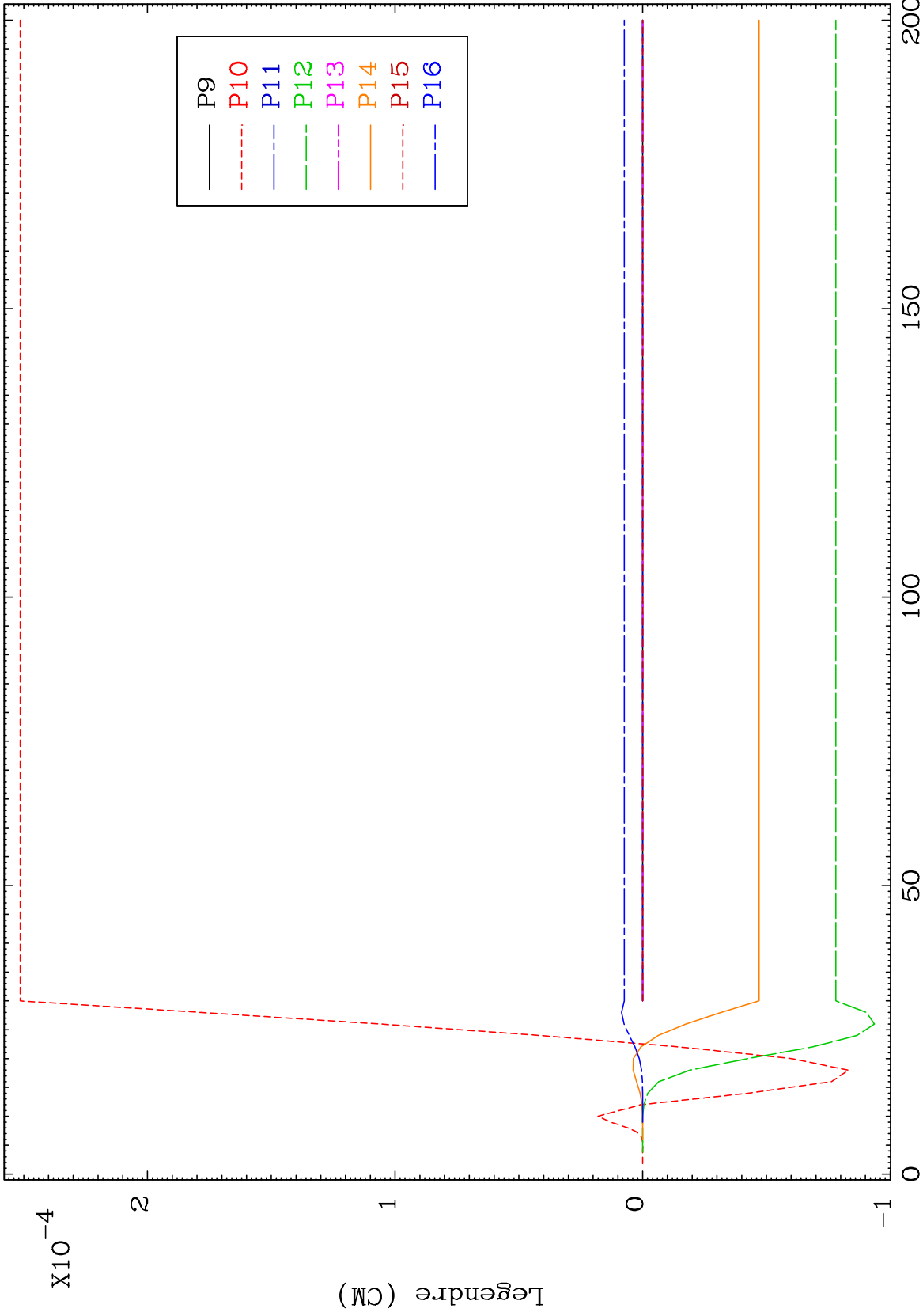
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



39

Incident Energy (MeV)

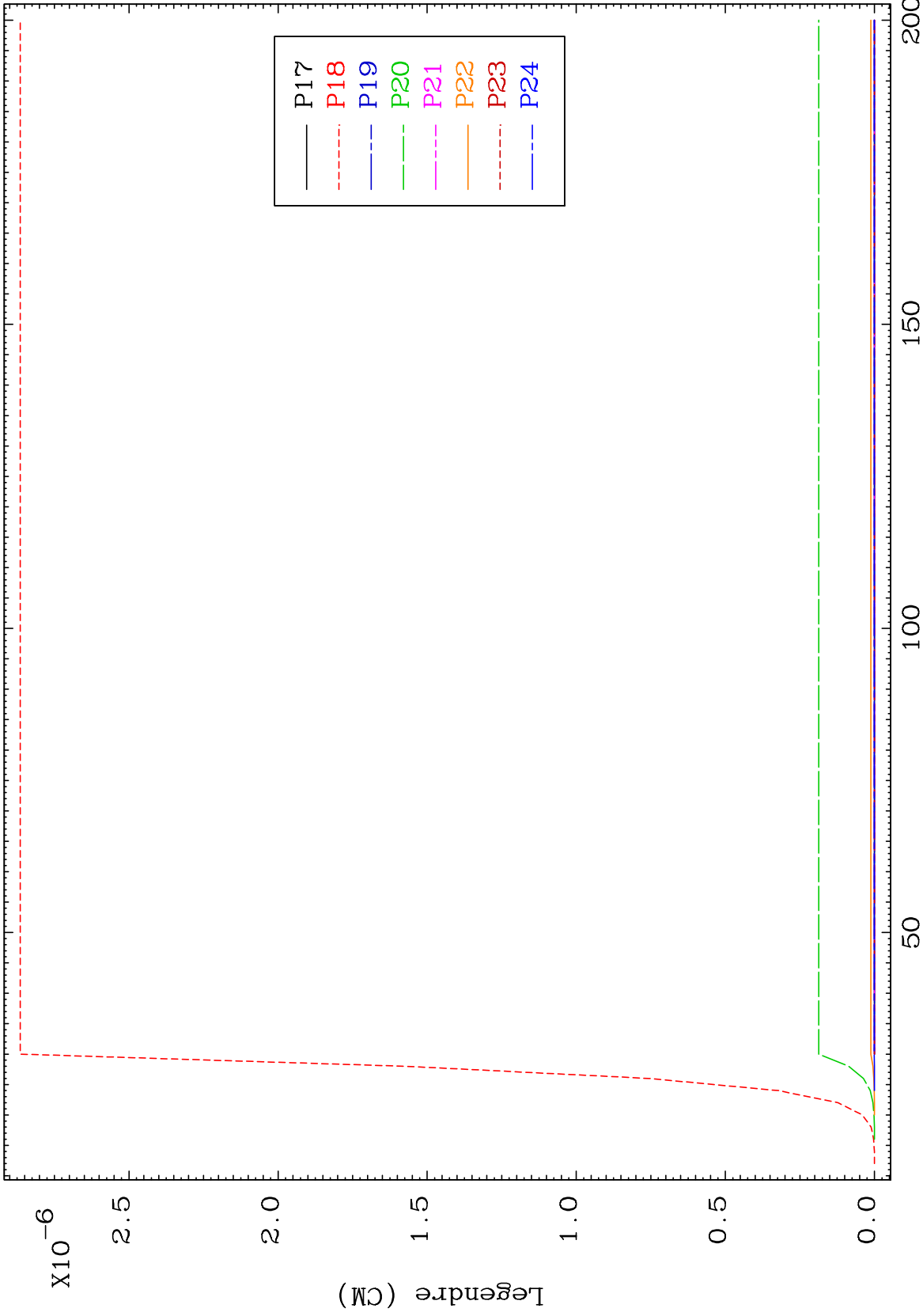
54-Xe-113



MAT 5392

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

54-Xe-113



40

50

100

Incident Energy (MeV)

150

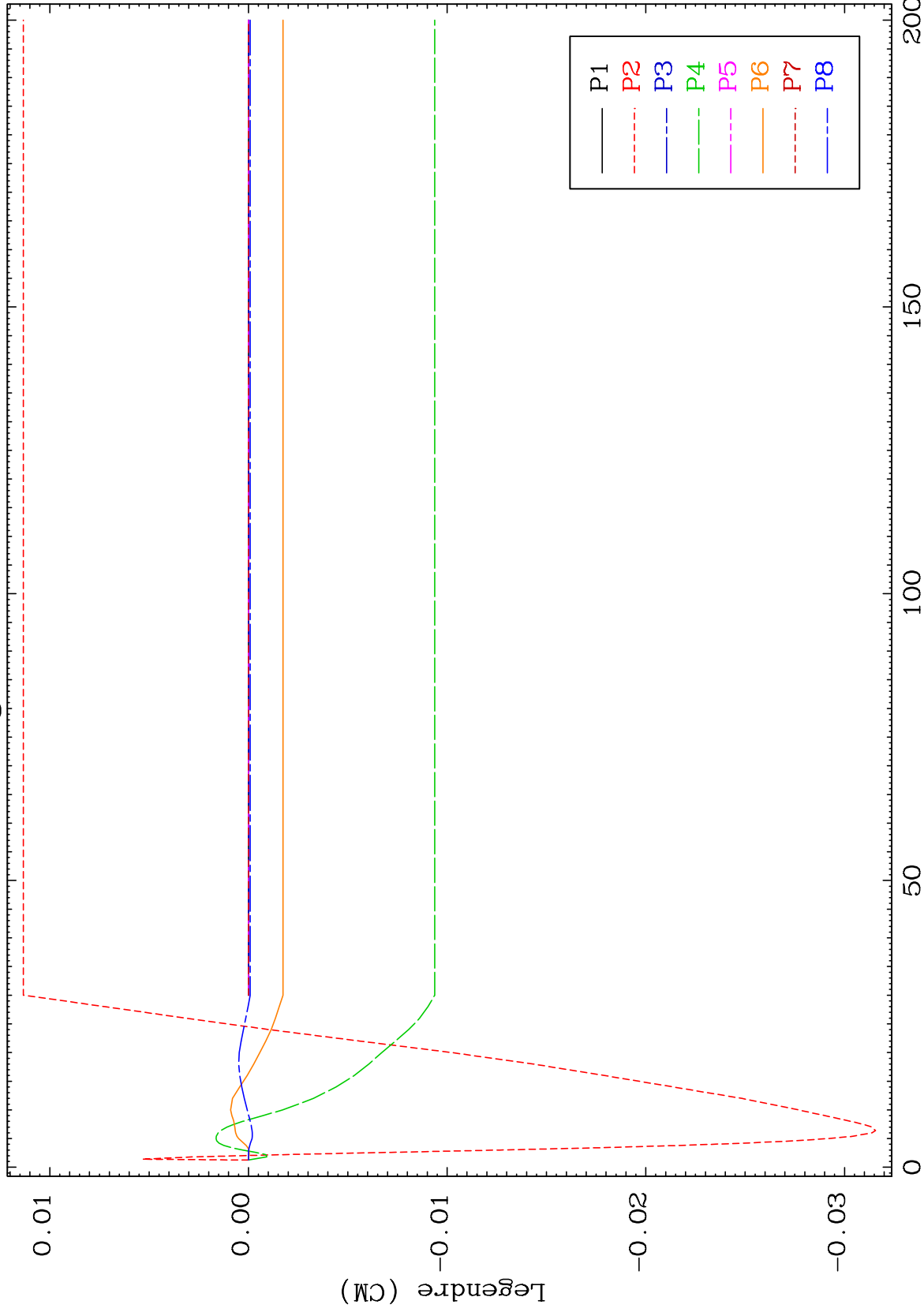
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54-Xe-113

MAT 5392

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

54-Xe-113



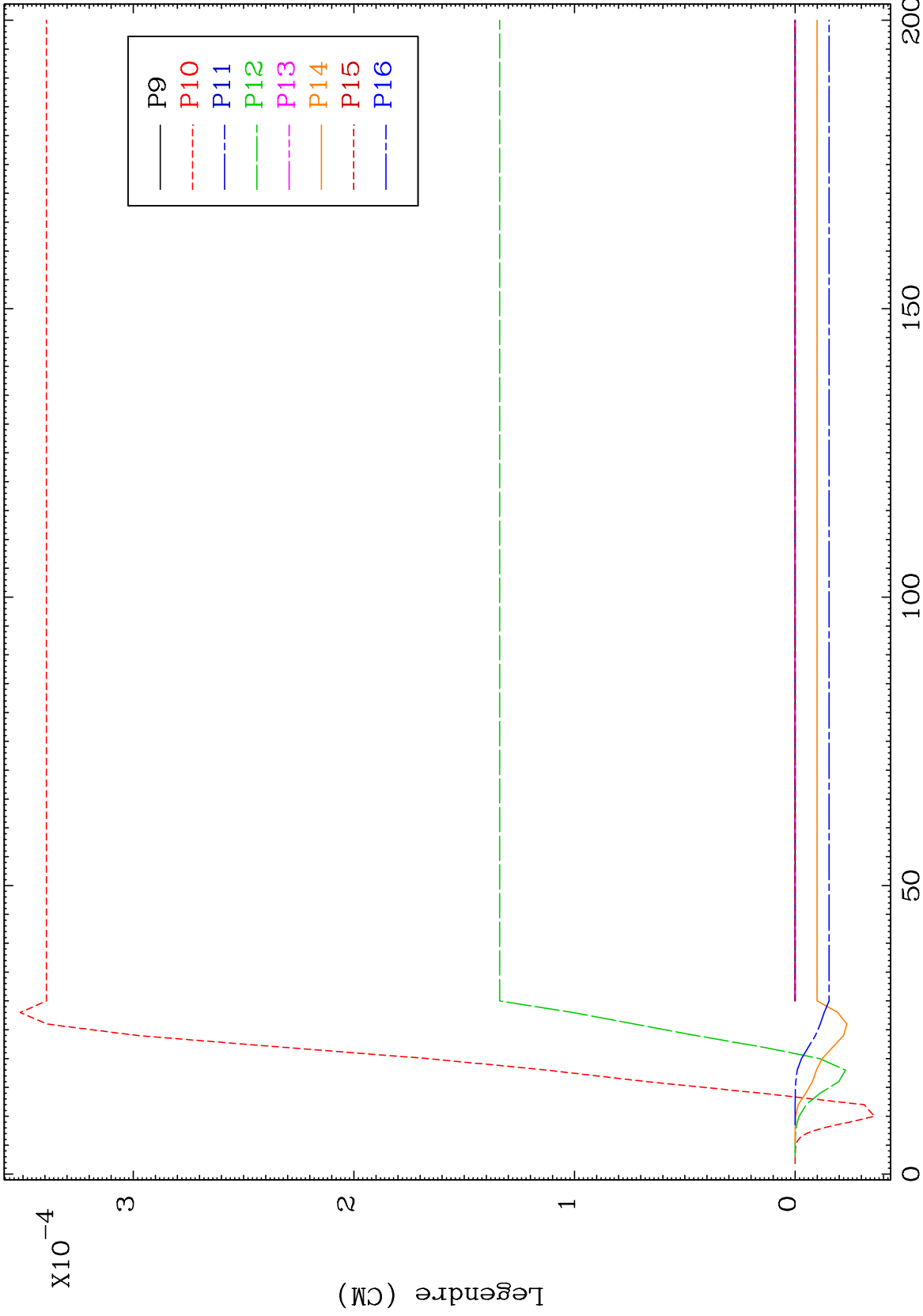
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54-Xe-113

MAT 5392

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

54-Xe-113



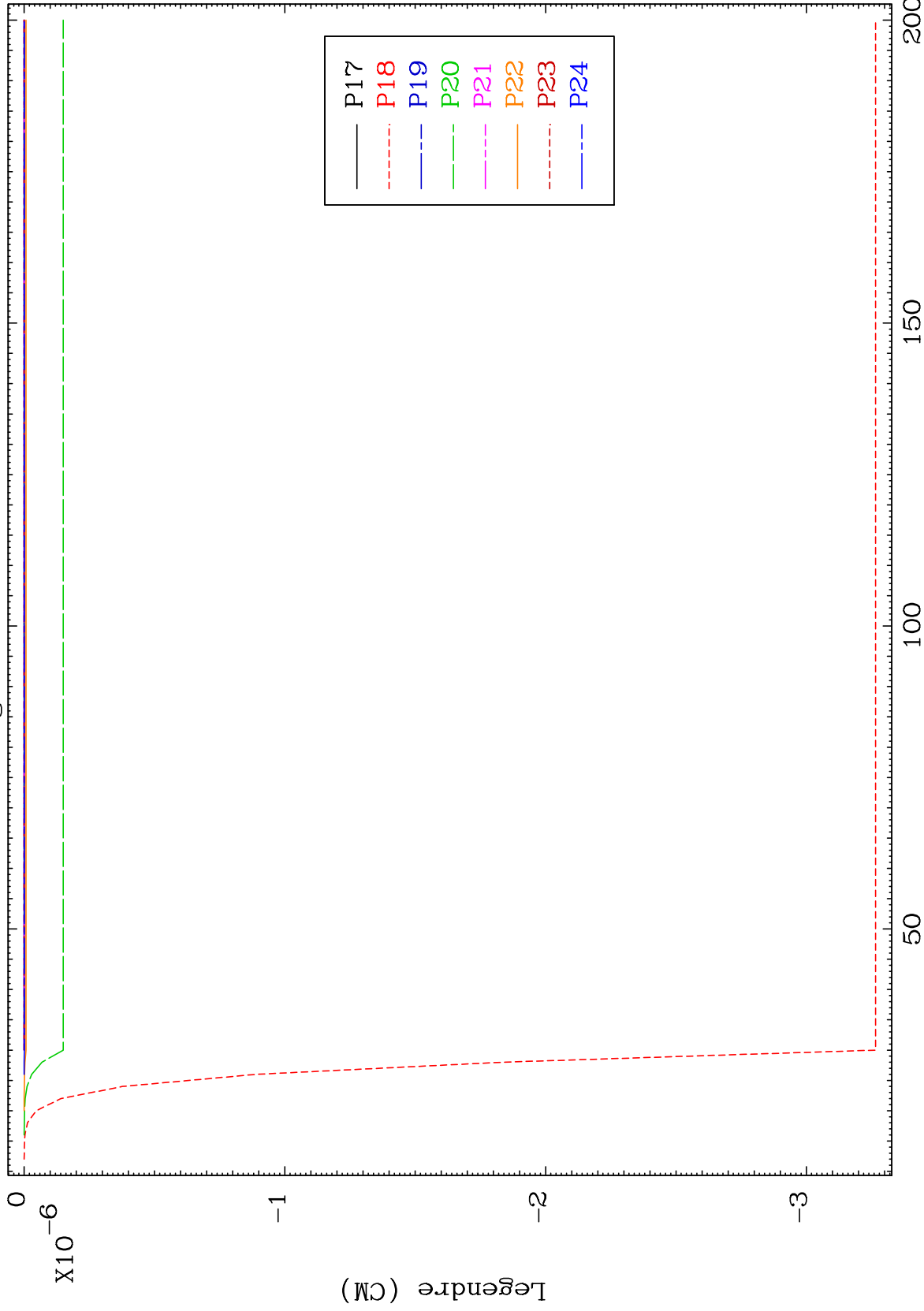
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54-Xe-113

MAT 5392

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

54-Xe-113



43

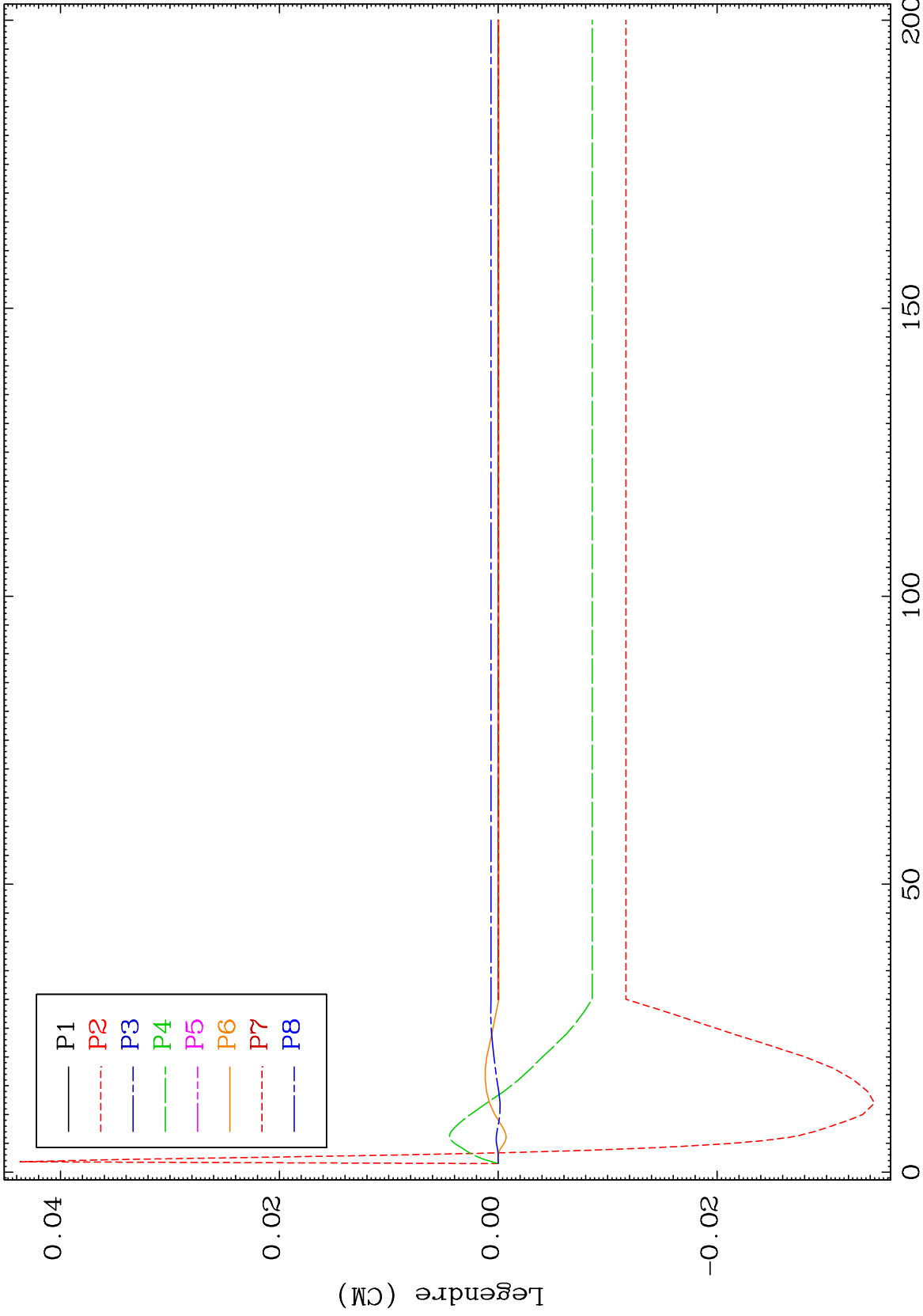
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



44

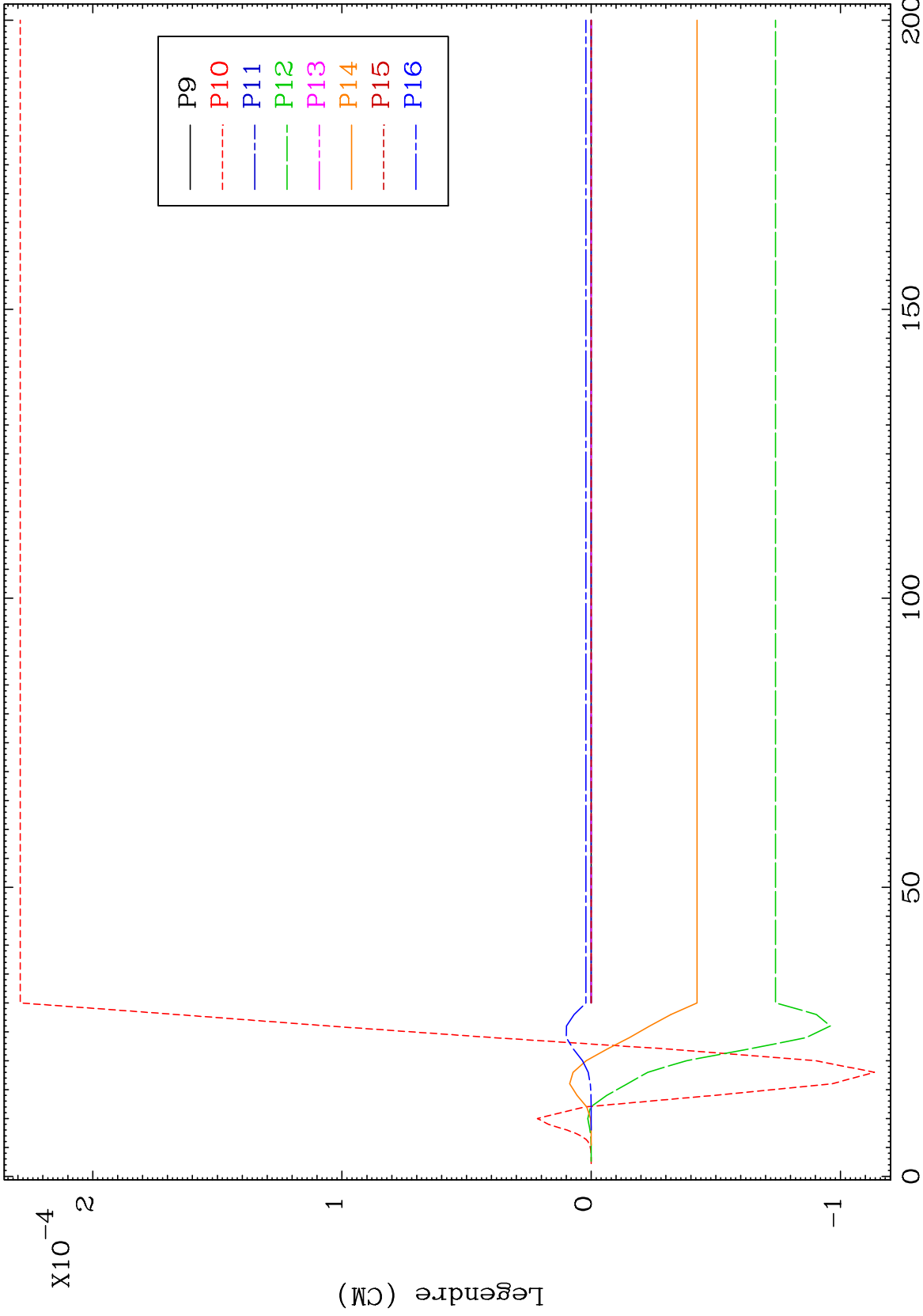
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



45

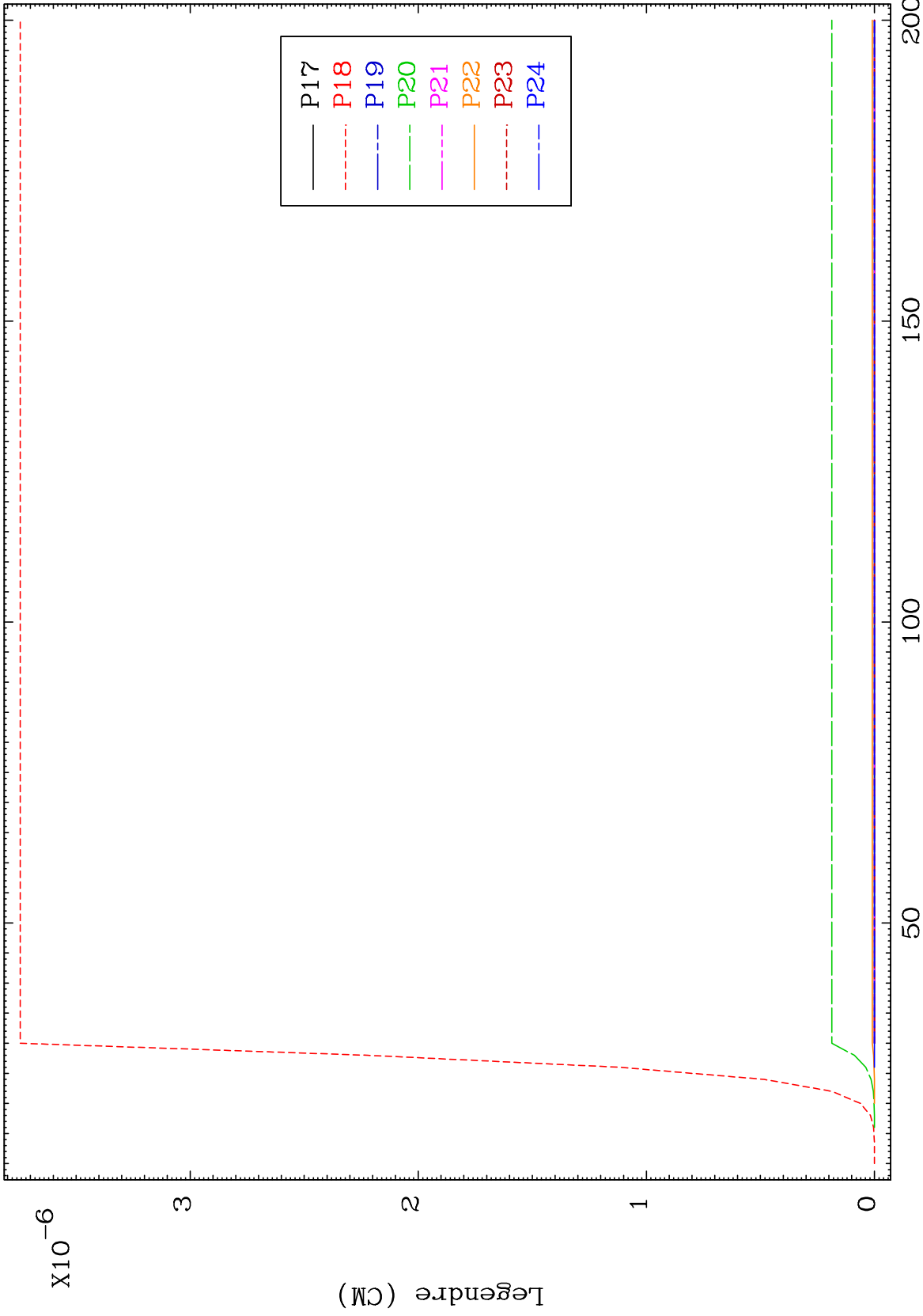
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



46

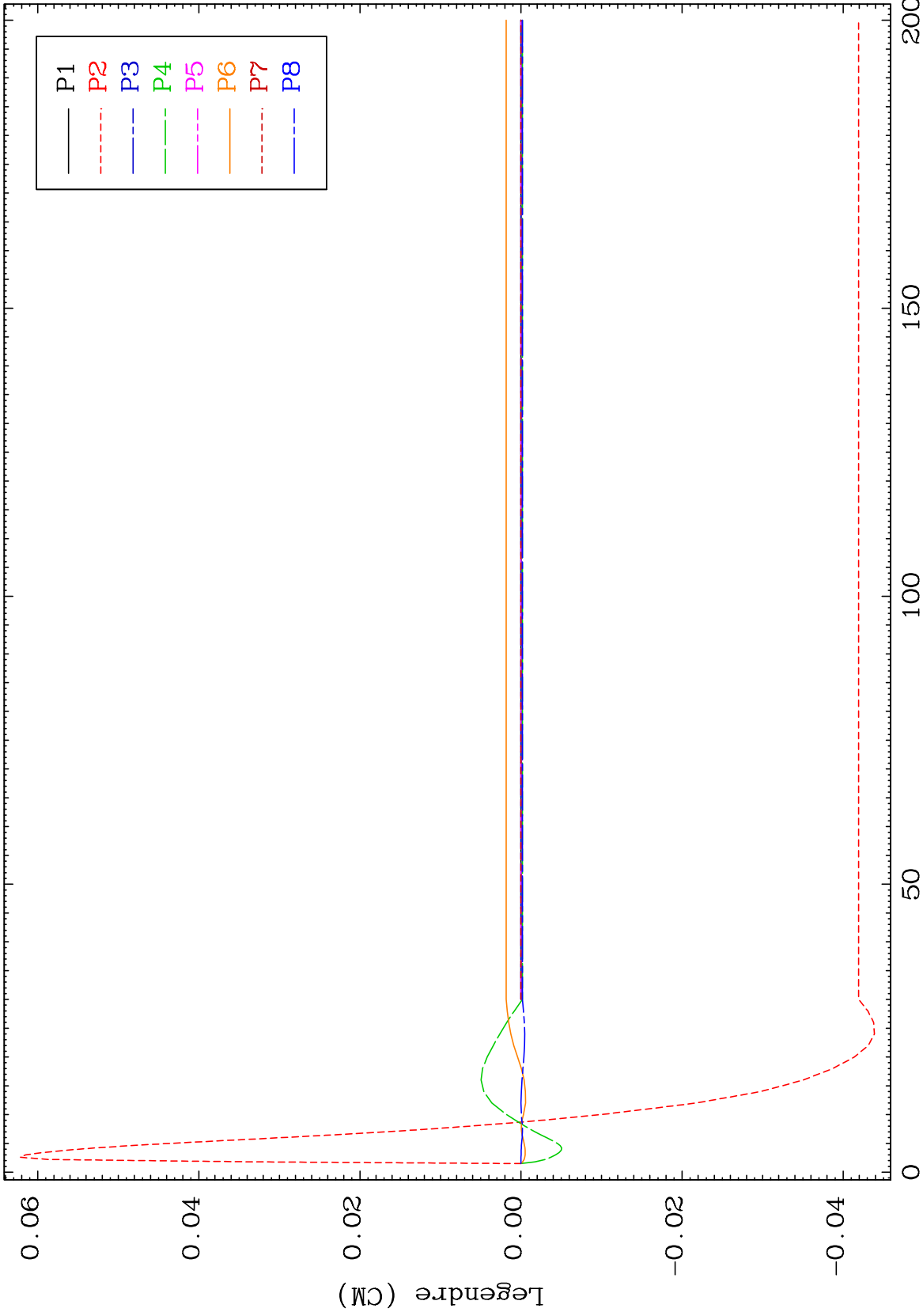
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



47

Incident Energy (MeV)

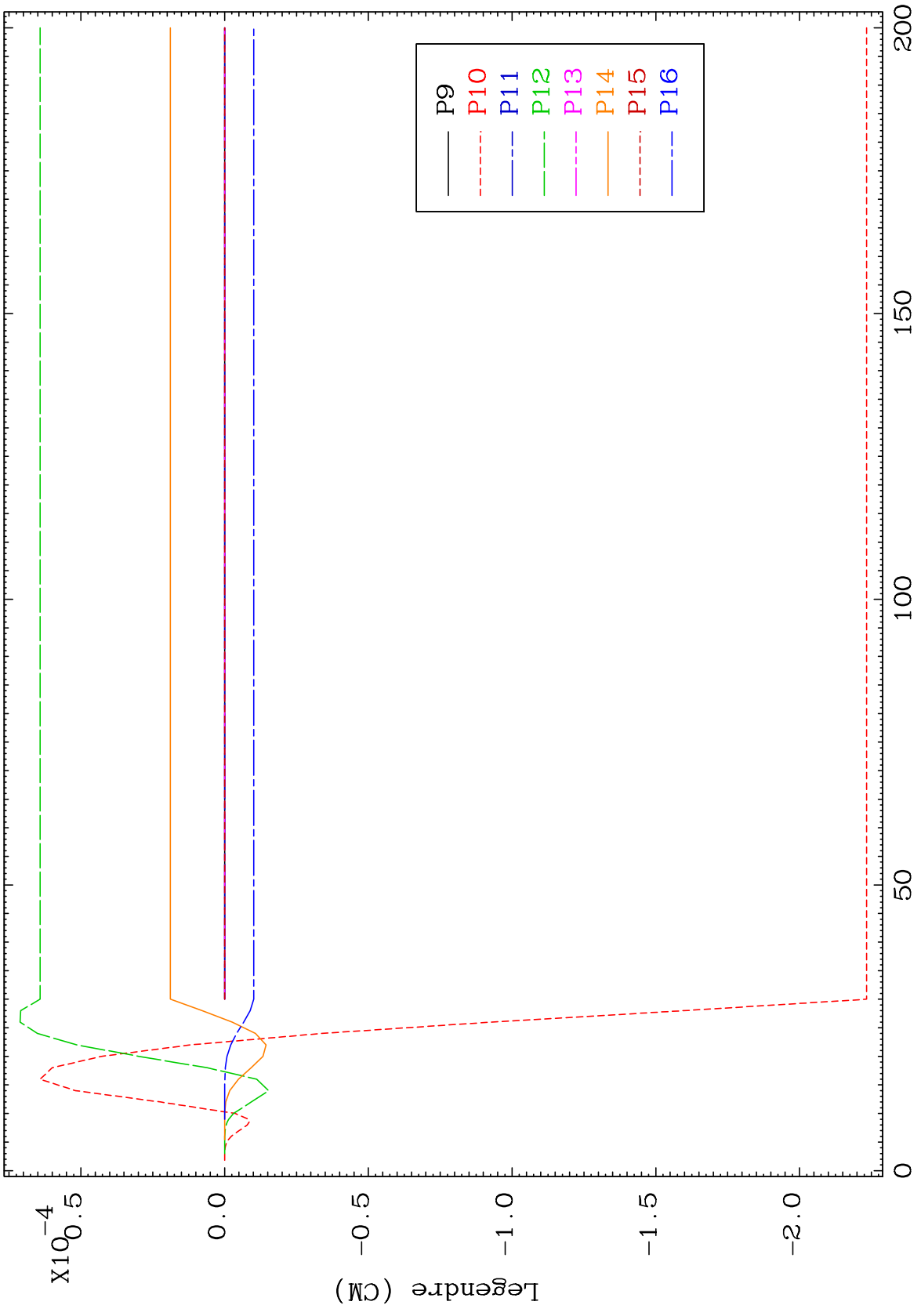
54-Xe-113



MAT 5392

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

54-Xe-113



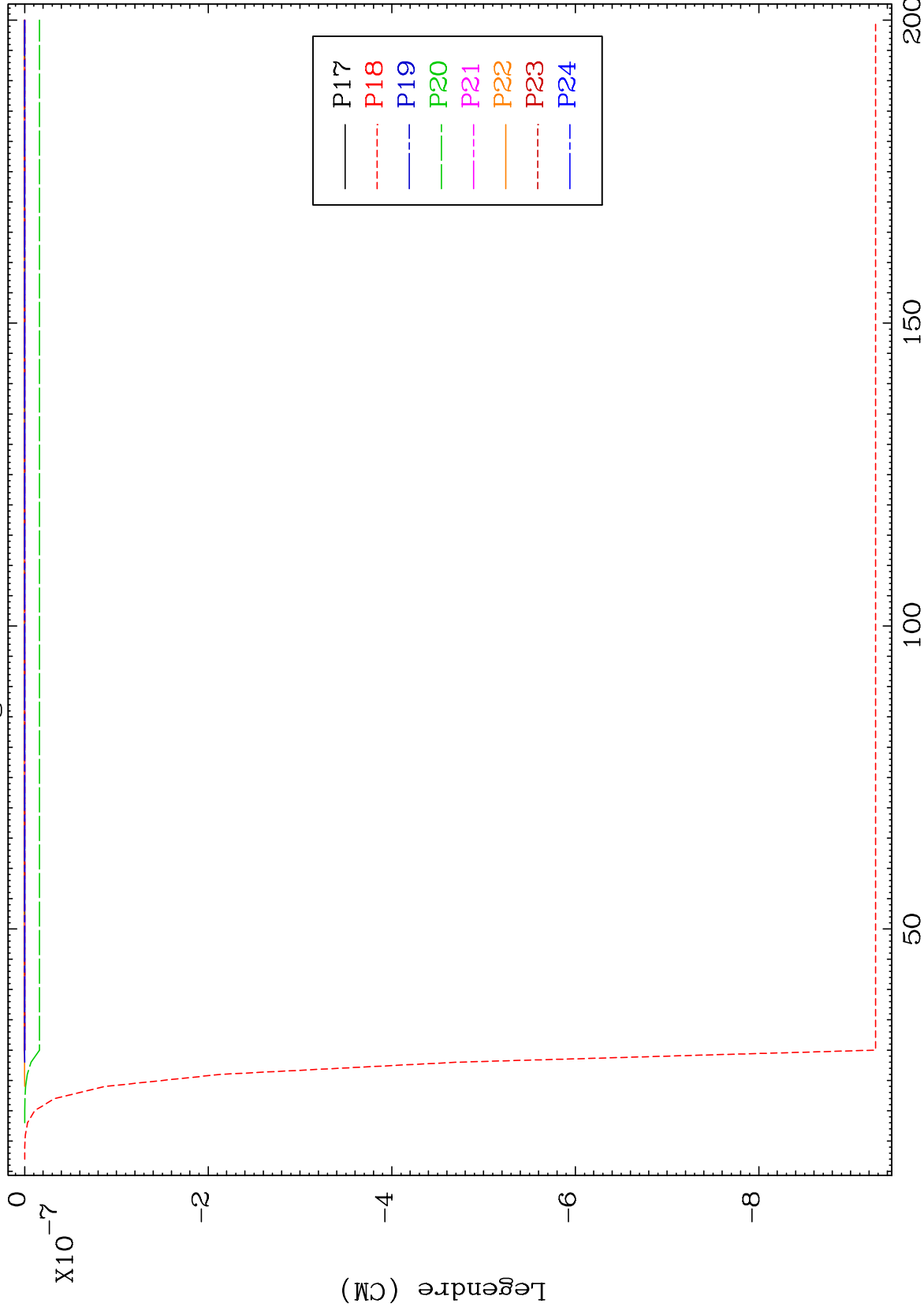
48

54-Xe-113

MAT 5392

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

54-Xe-113



49

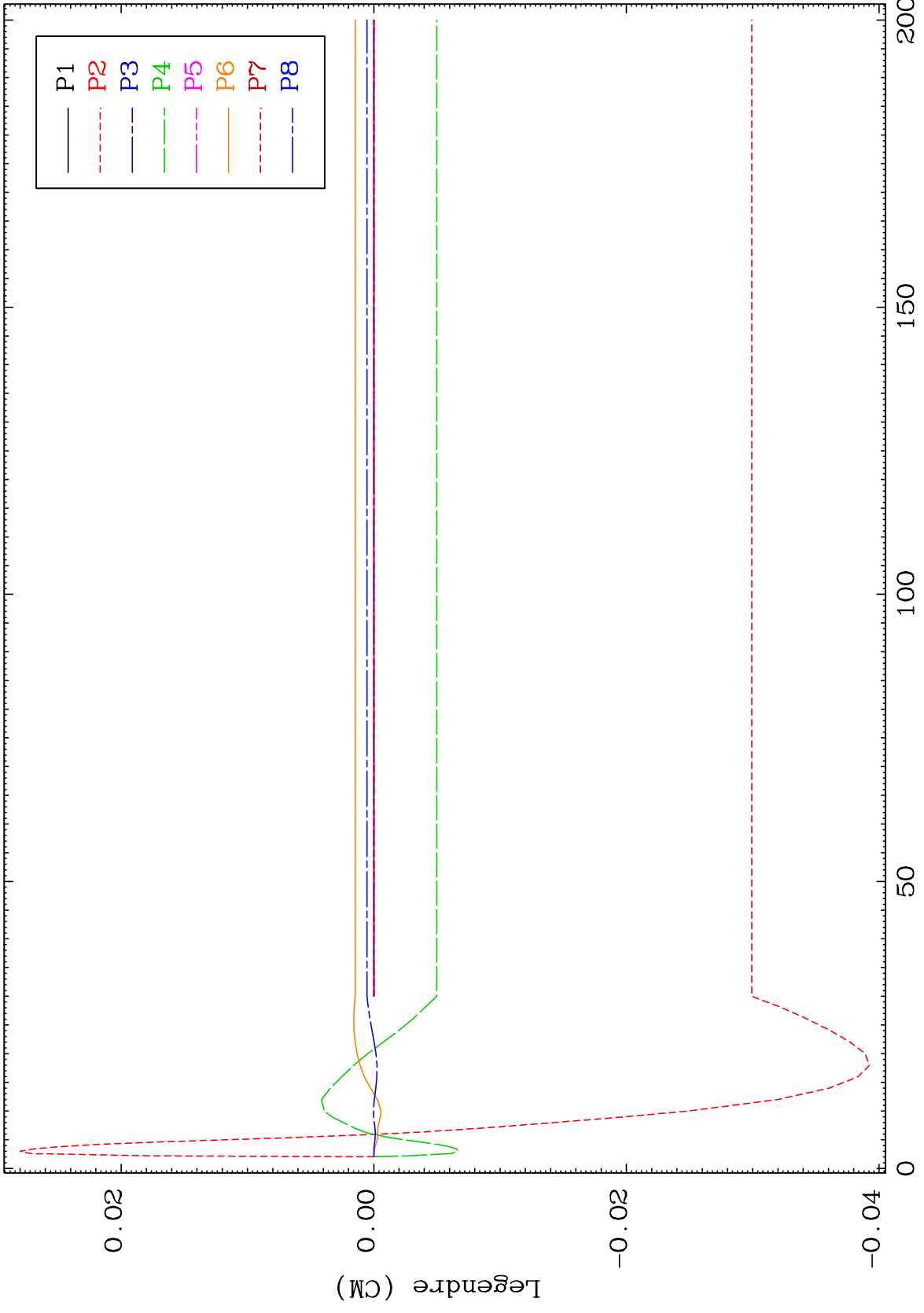
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



54-Xe-113

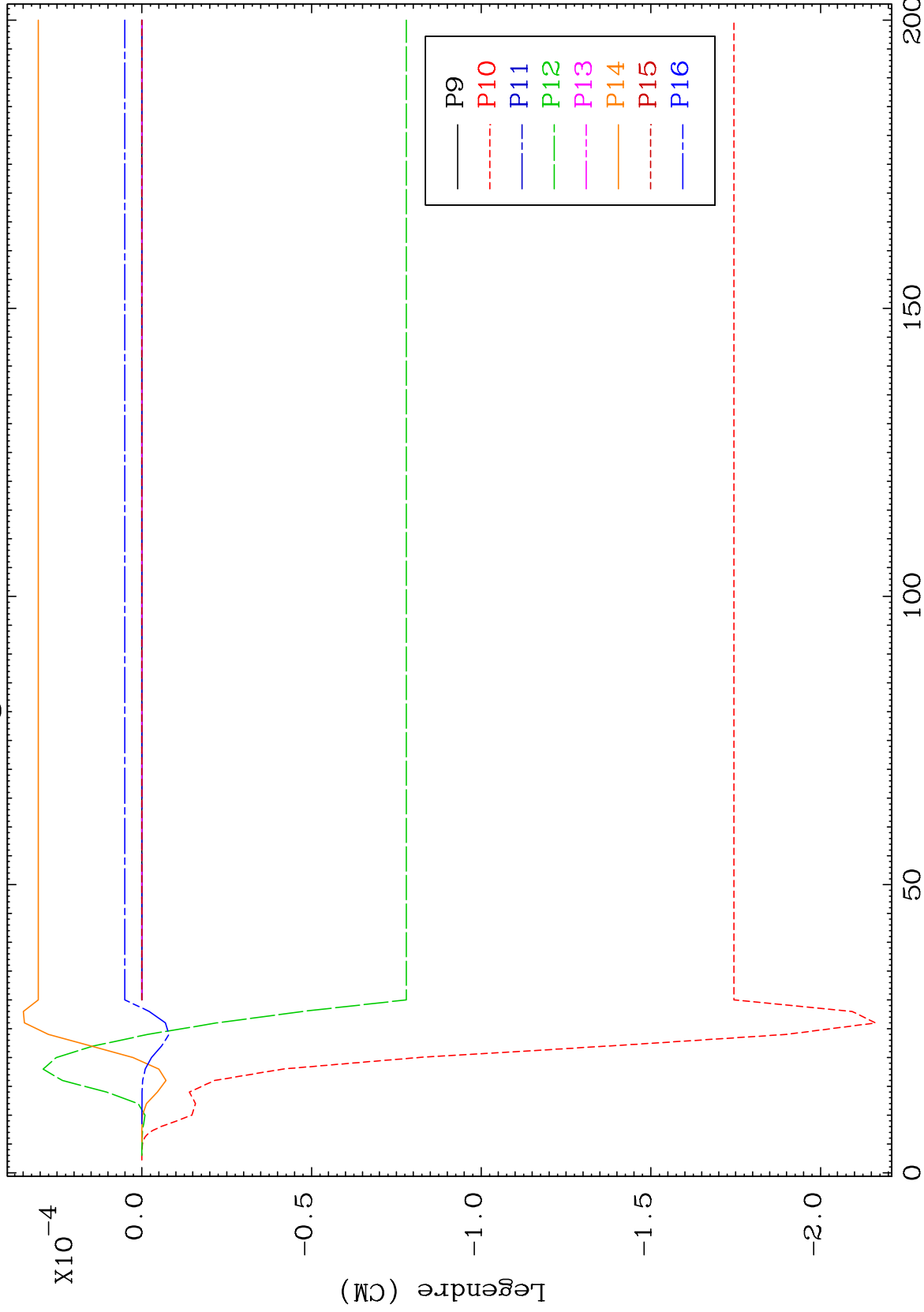
Incident Energy (MeV)

50

MAT 5392

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

54-Xe-113



51

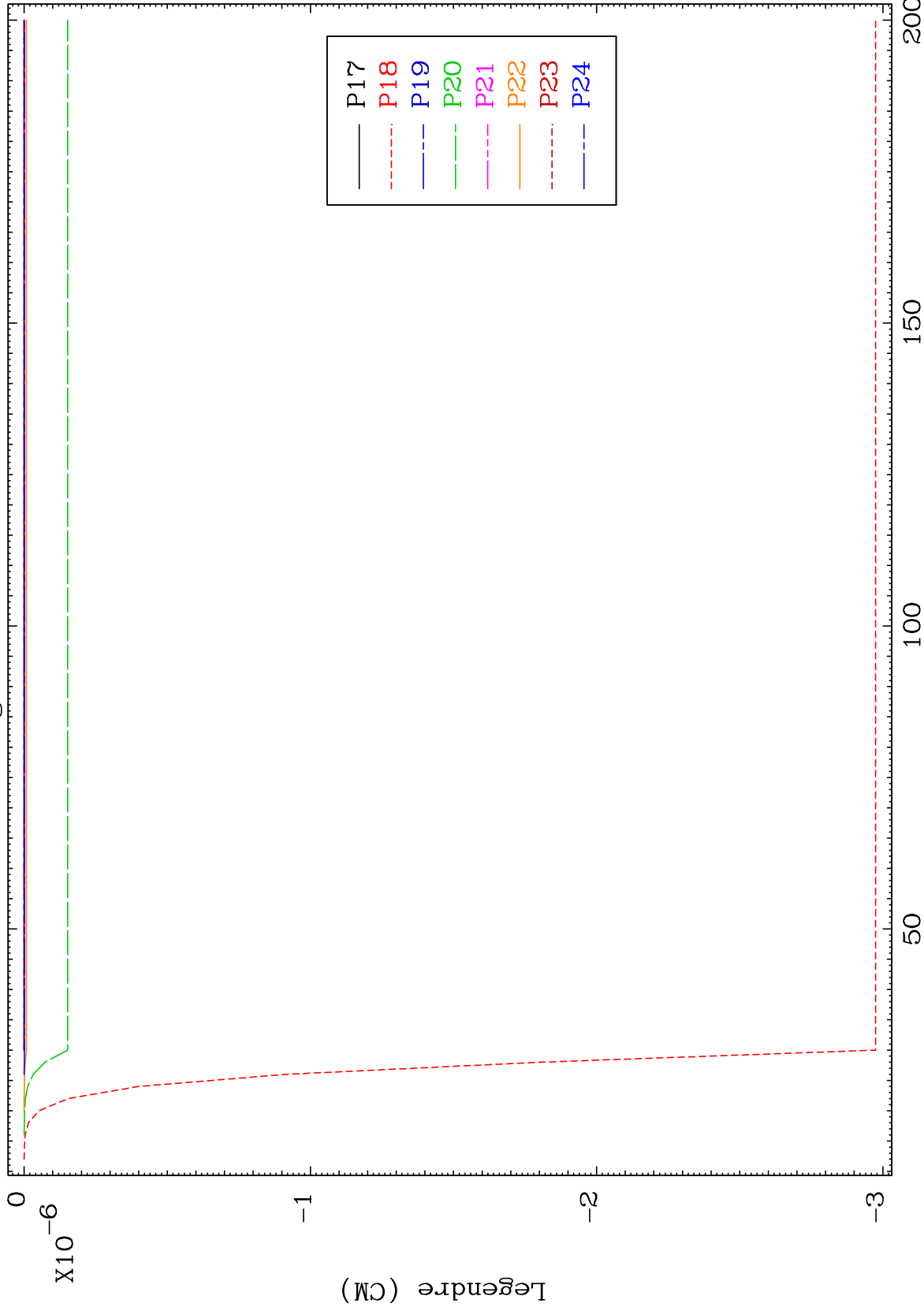
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



52

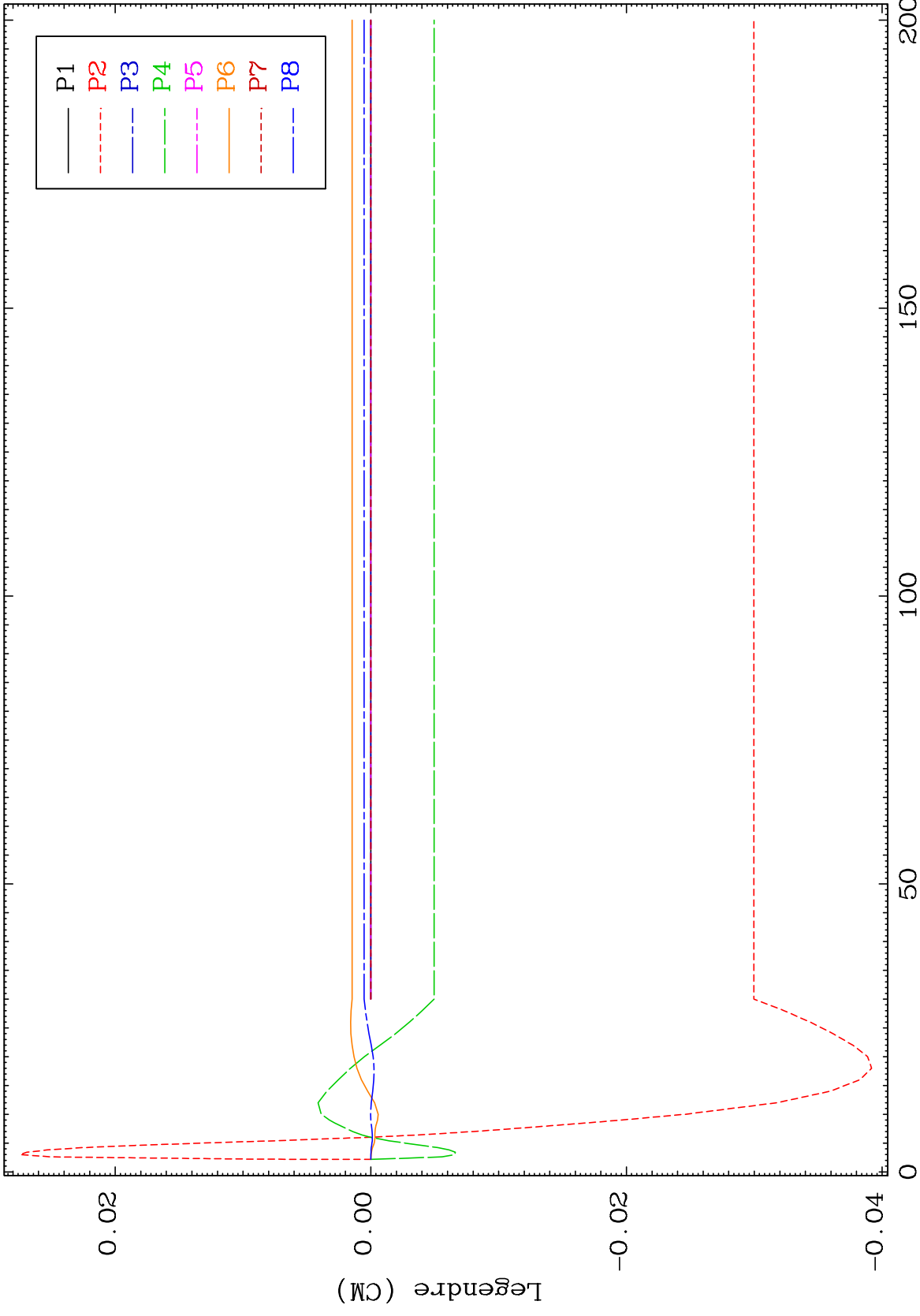
Incident Energy (MeV)

54-Xe-113

MAT 5392

MT= 61 (n,n') Level  
Legendre Coefficients

54-Xe-113



53

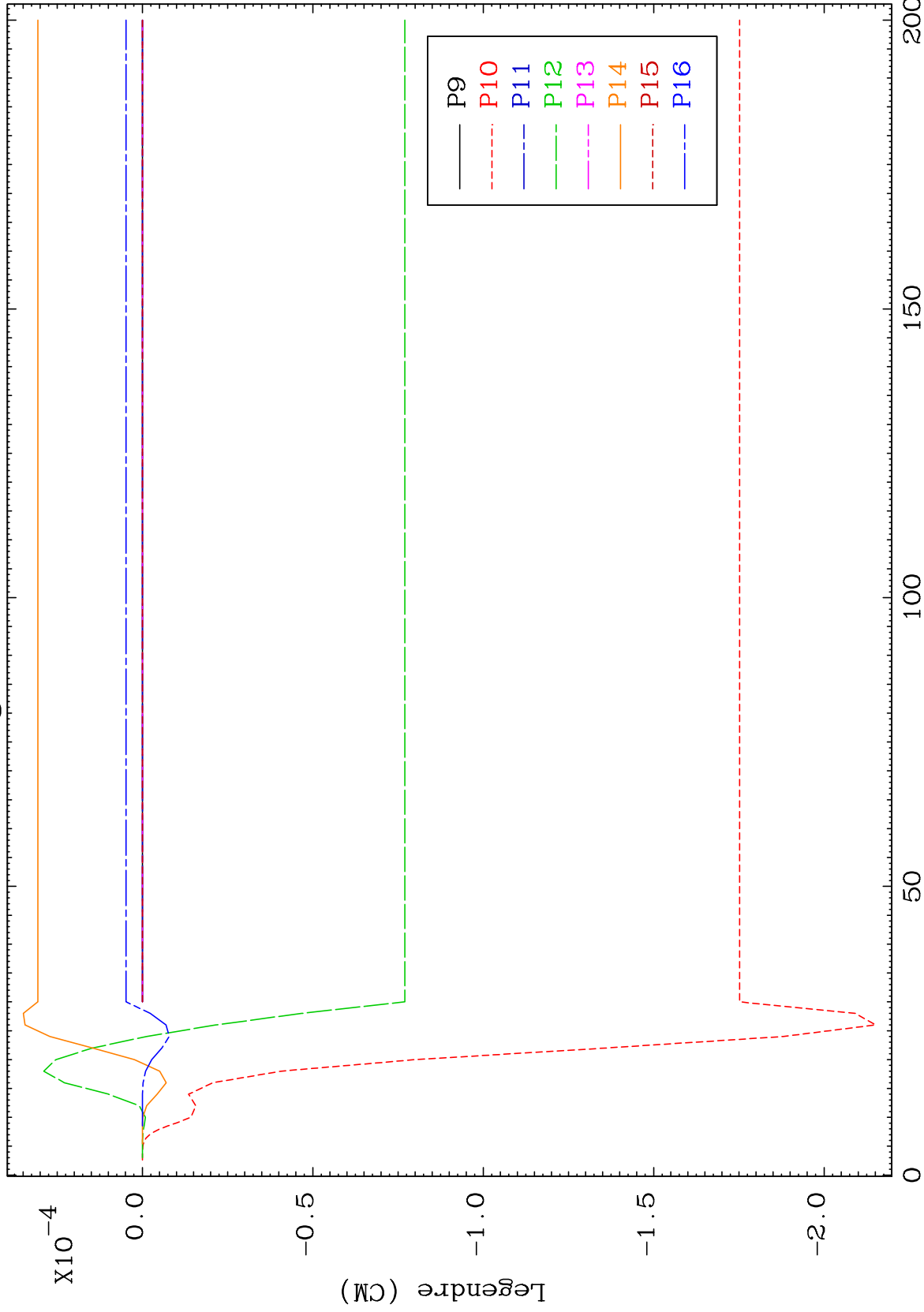
Incident Energy (MeV)

54-Xe-113

MAT 5392

MT= 61 (n,n') Level  
Legendre Coefficients

54-Xe-113



54

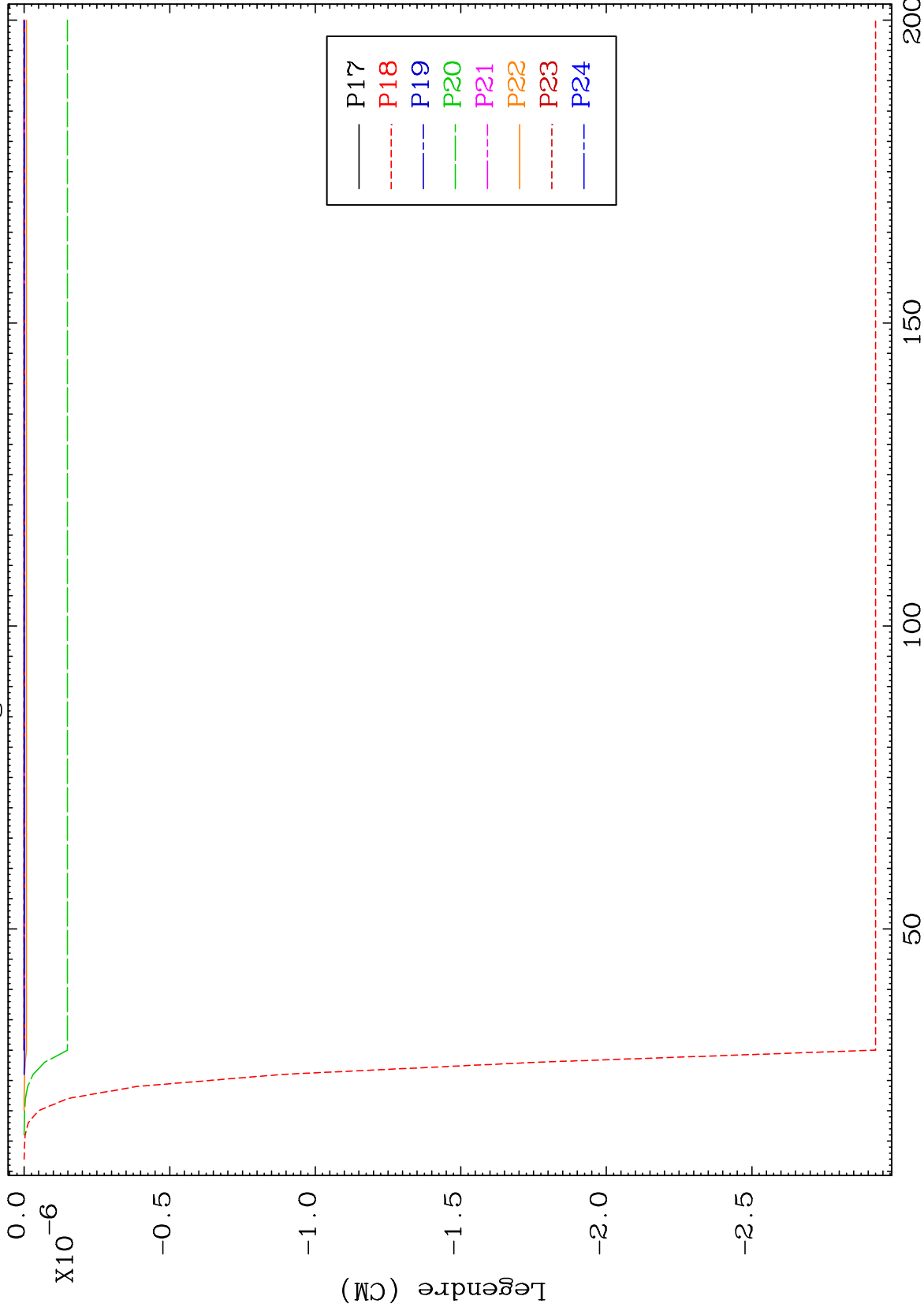
Incident Energy (MeV)

54-Xe-113

MAT 5392

MT= 61 (n,n') Level  
Legendre Coefficients

54-Xe-113



55

Incident Energy (MeV)

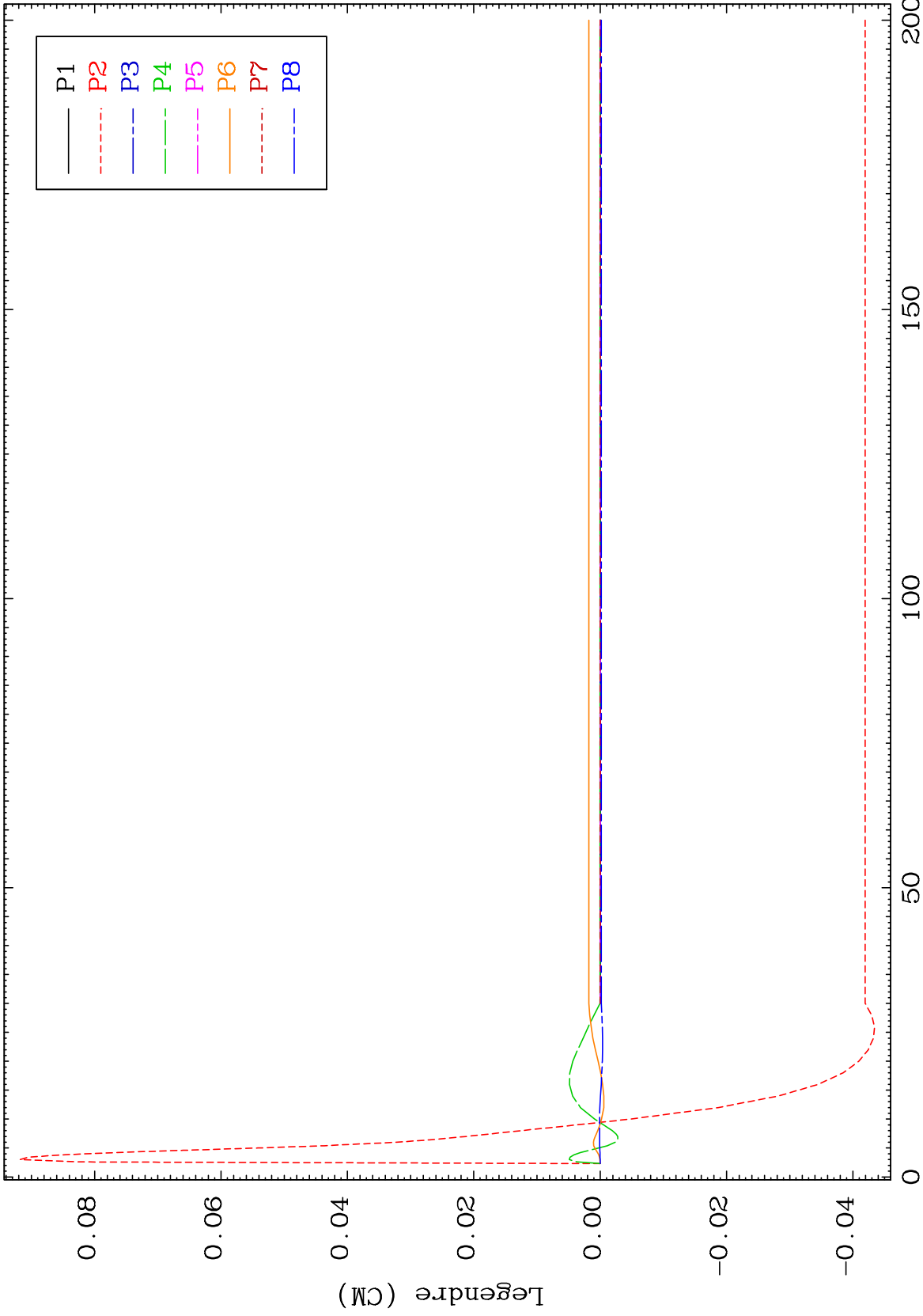
54-Xe-113



MAT 5392

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

54-Xe-113



56

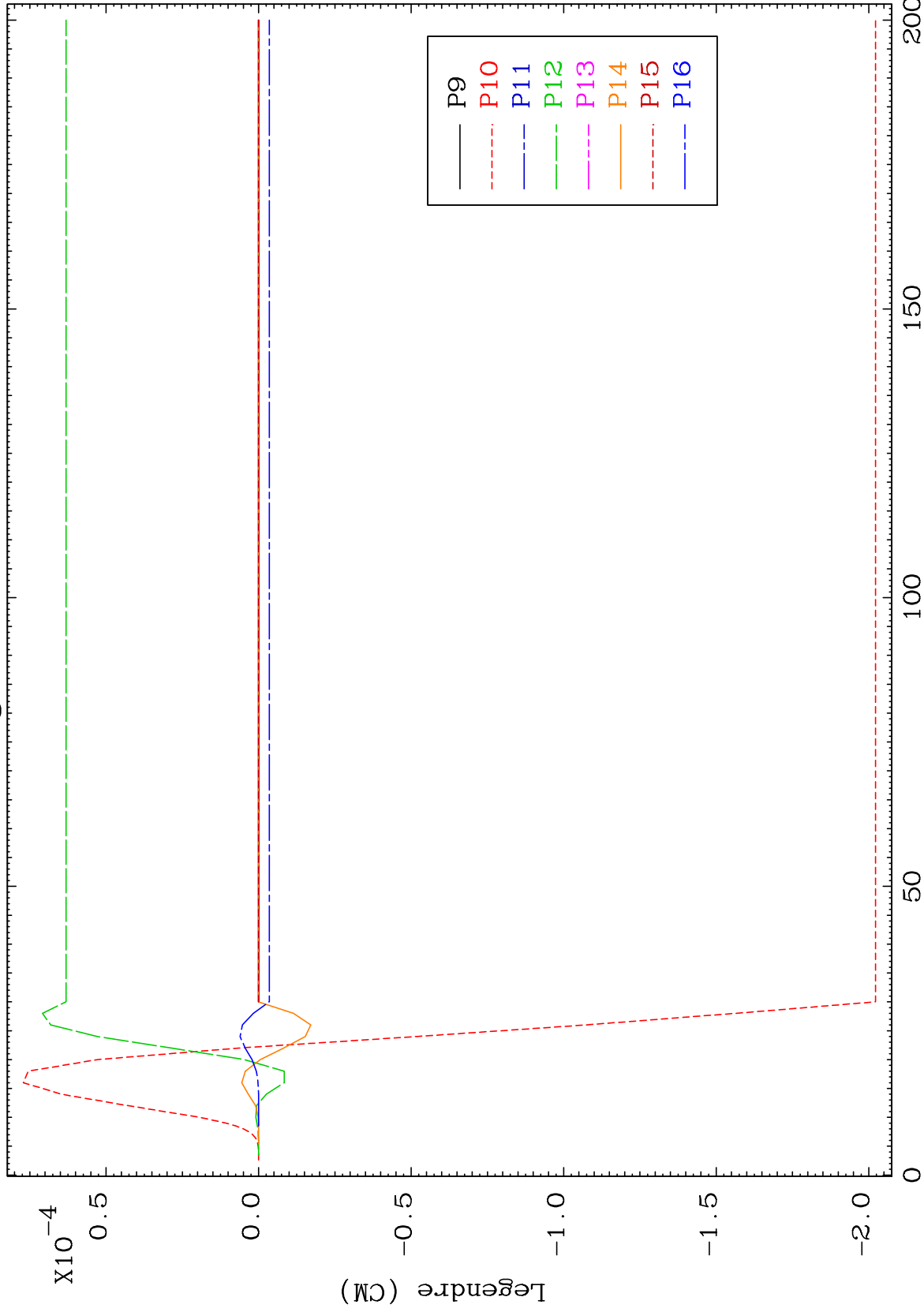
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



57

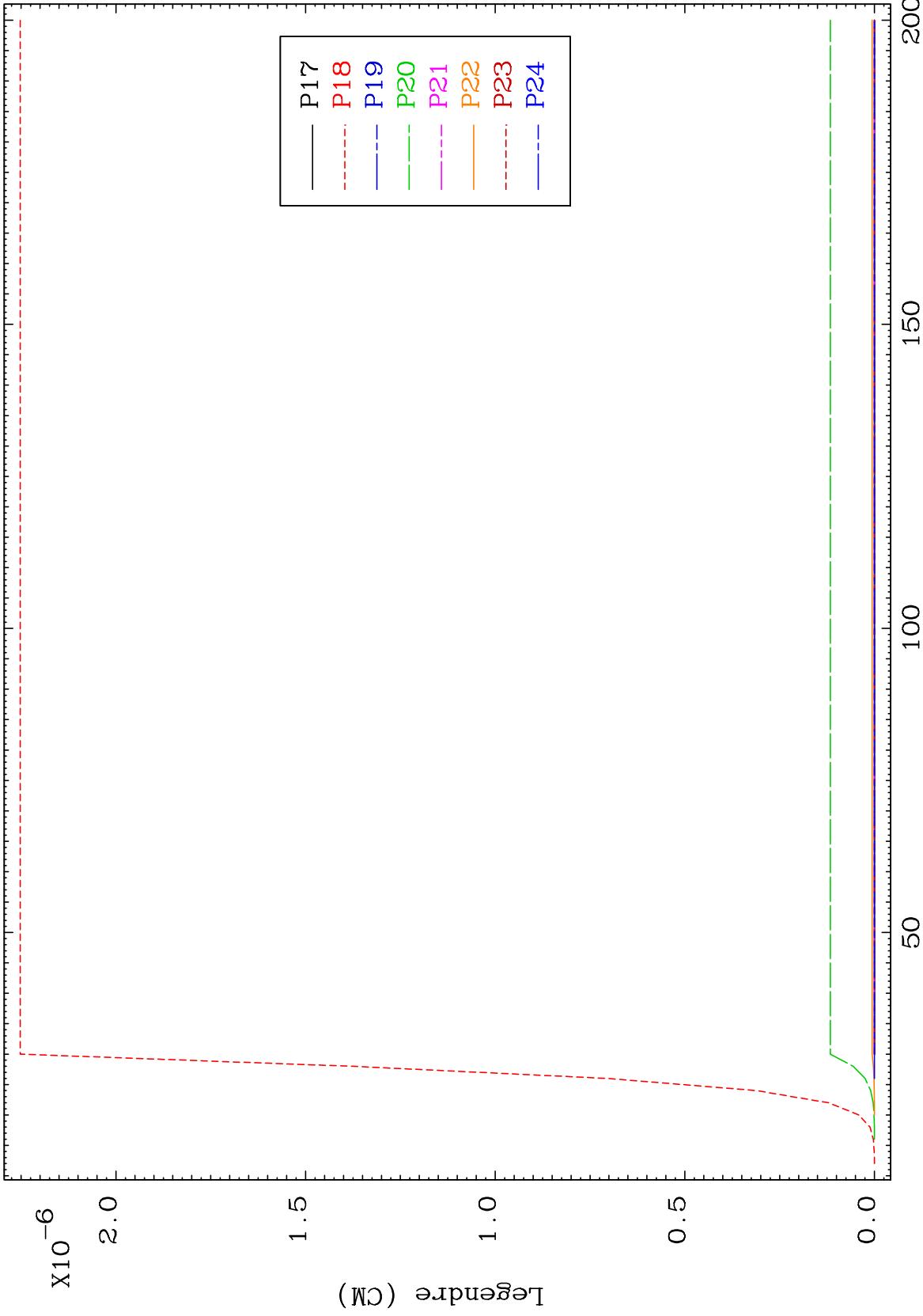
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



58

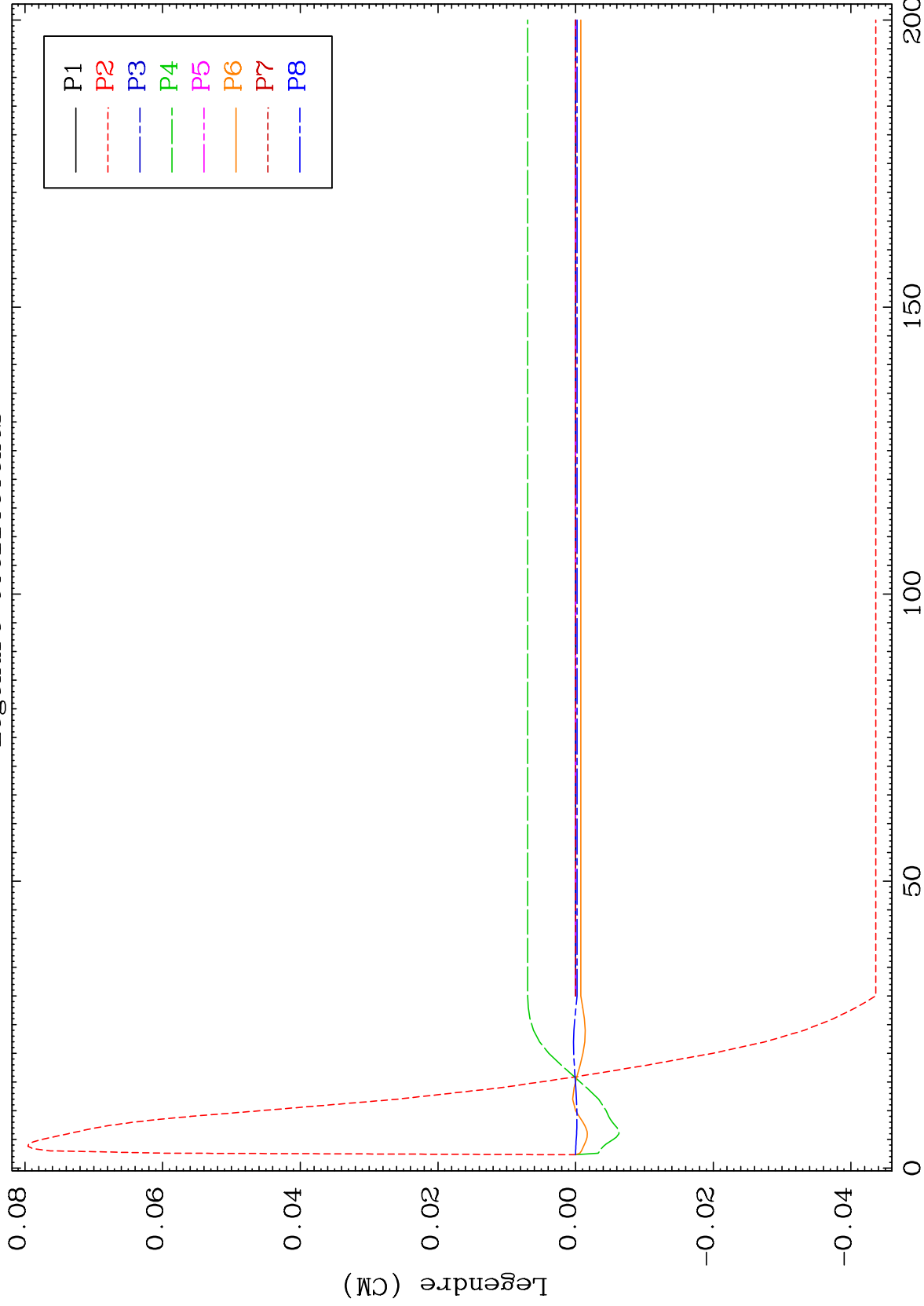
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



59

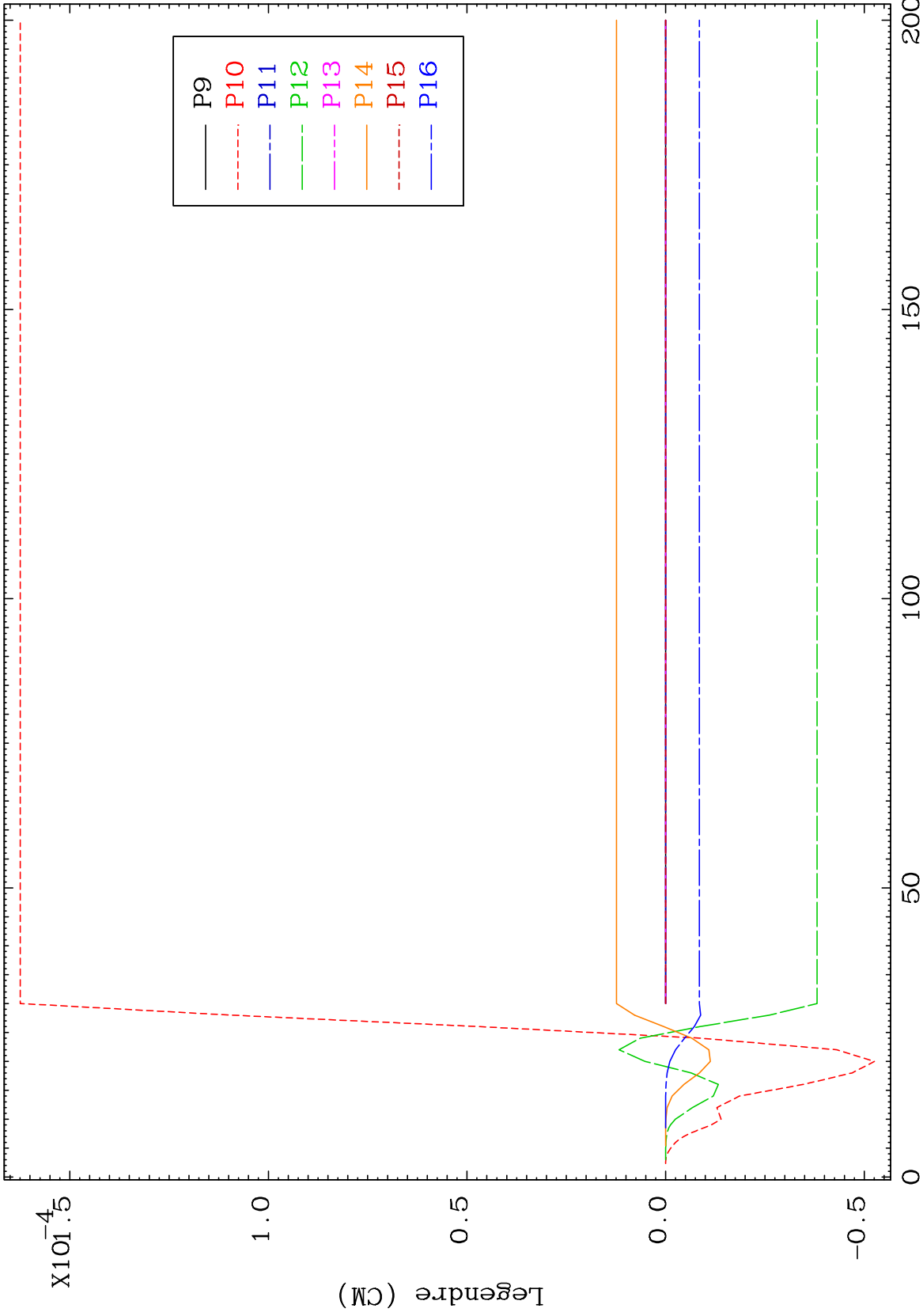
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



60

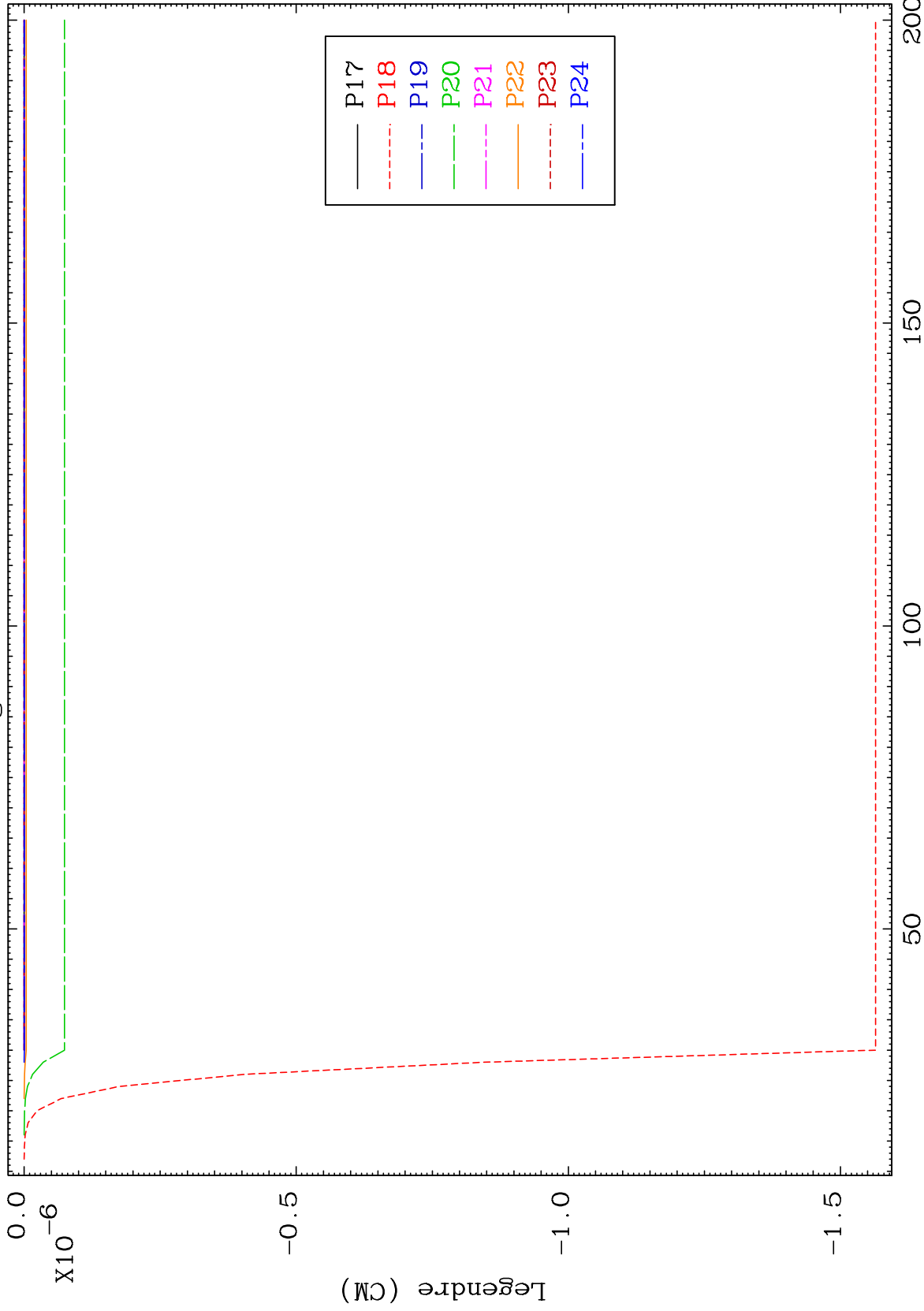
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



61

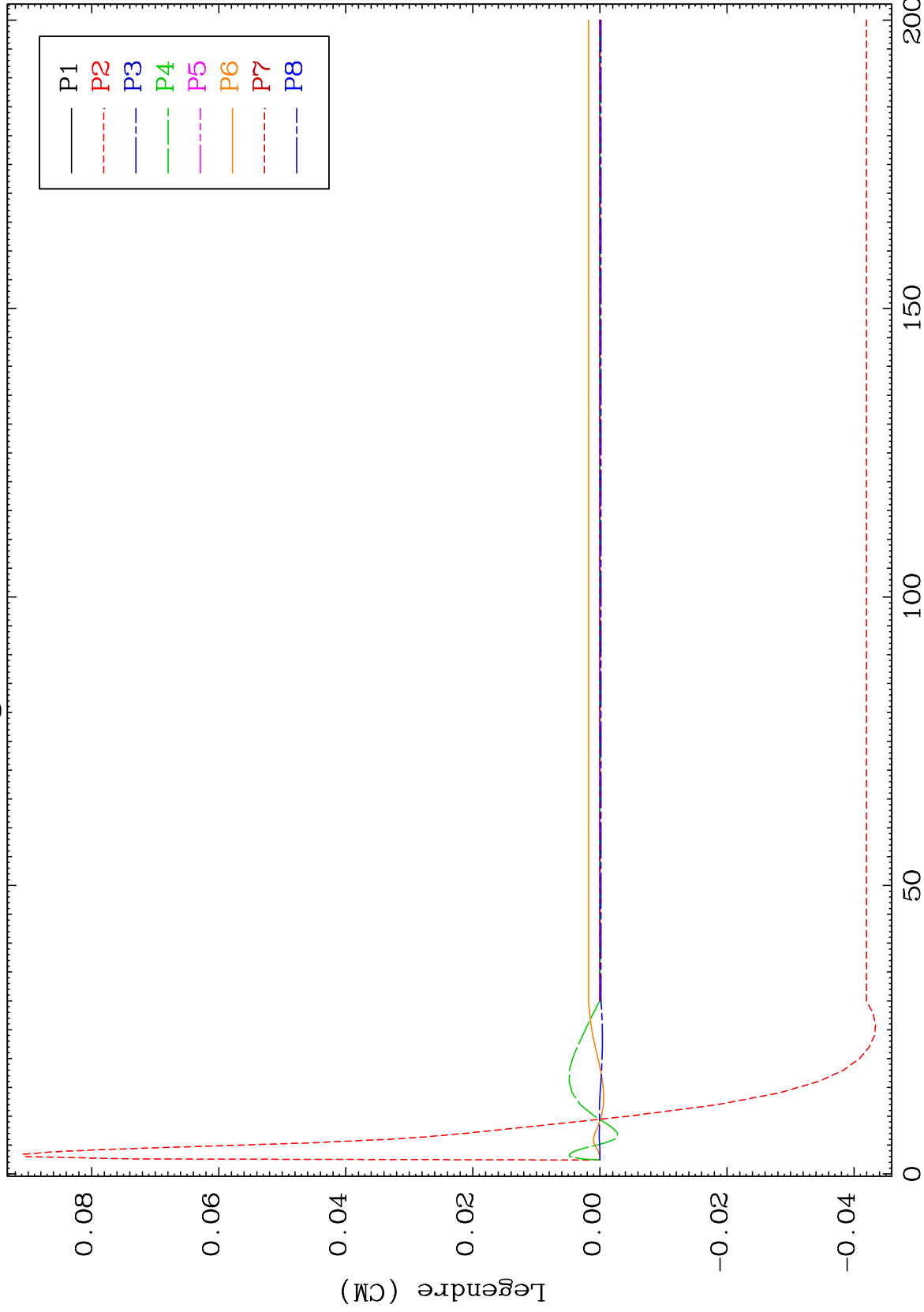
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



62

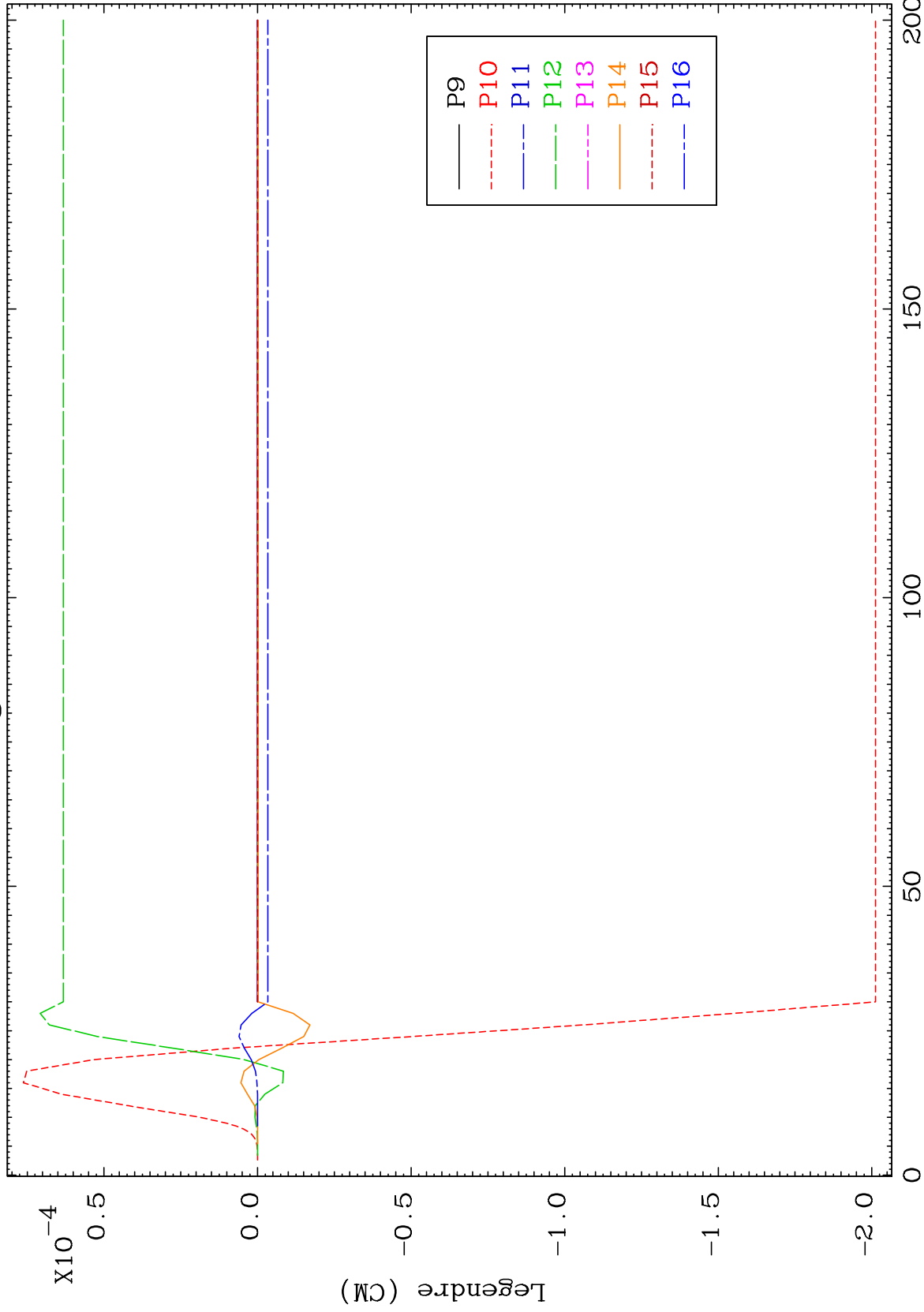
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



63

Incident Energy (MeV)

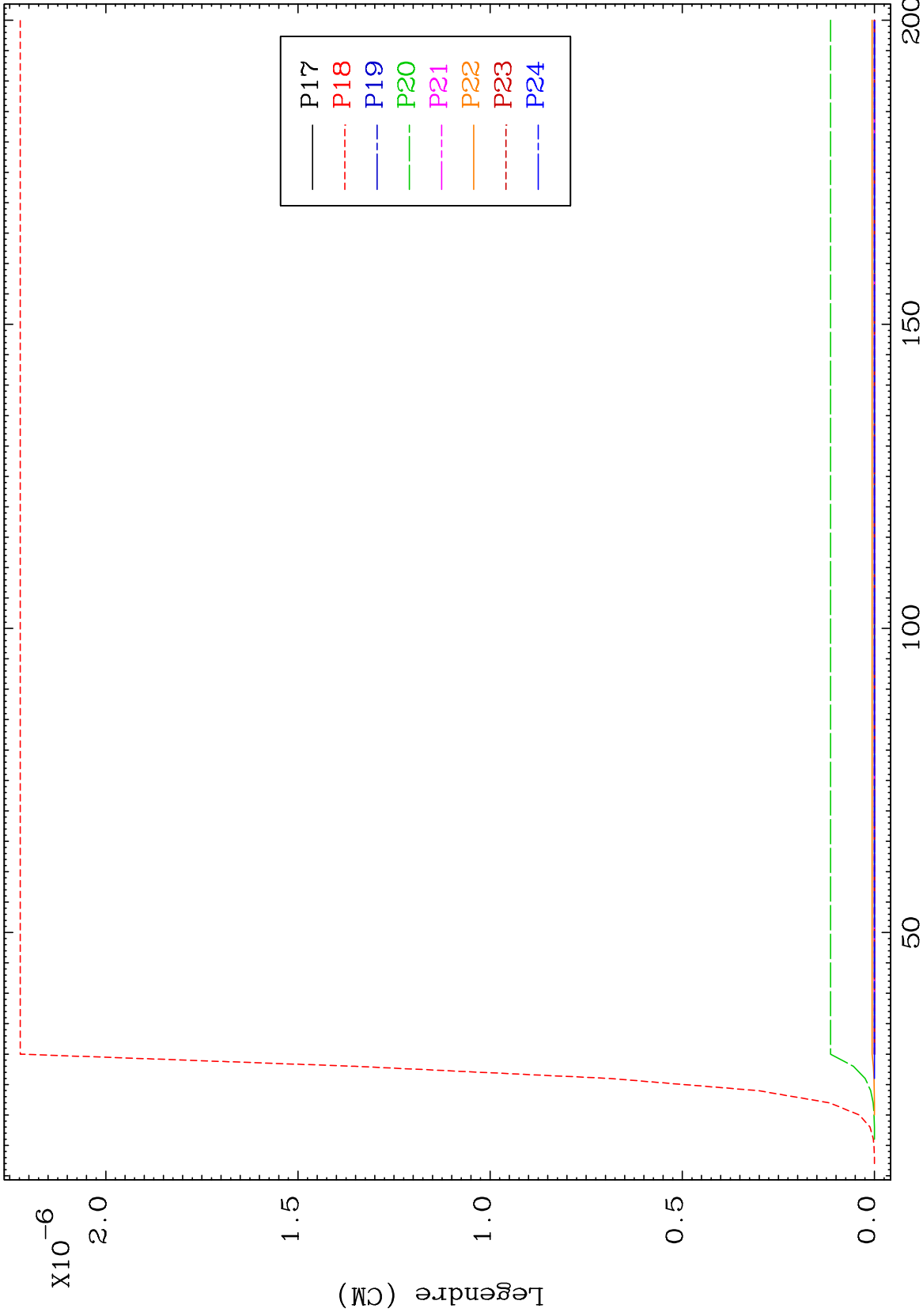
54-Xe-113



MAT 5392

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

54-Xe-113



64

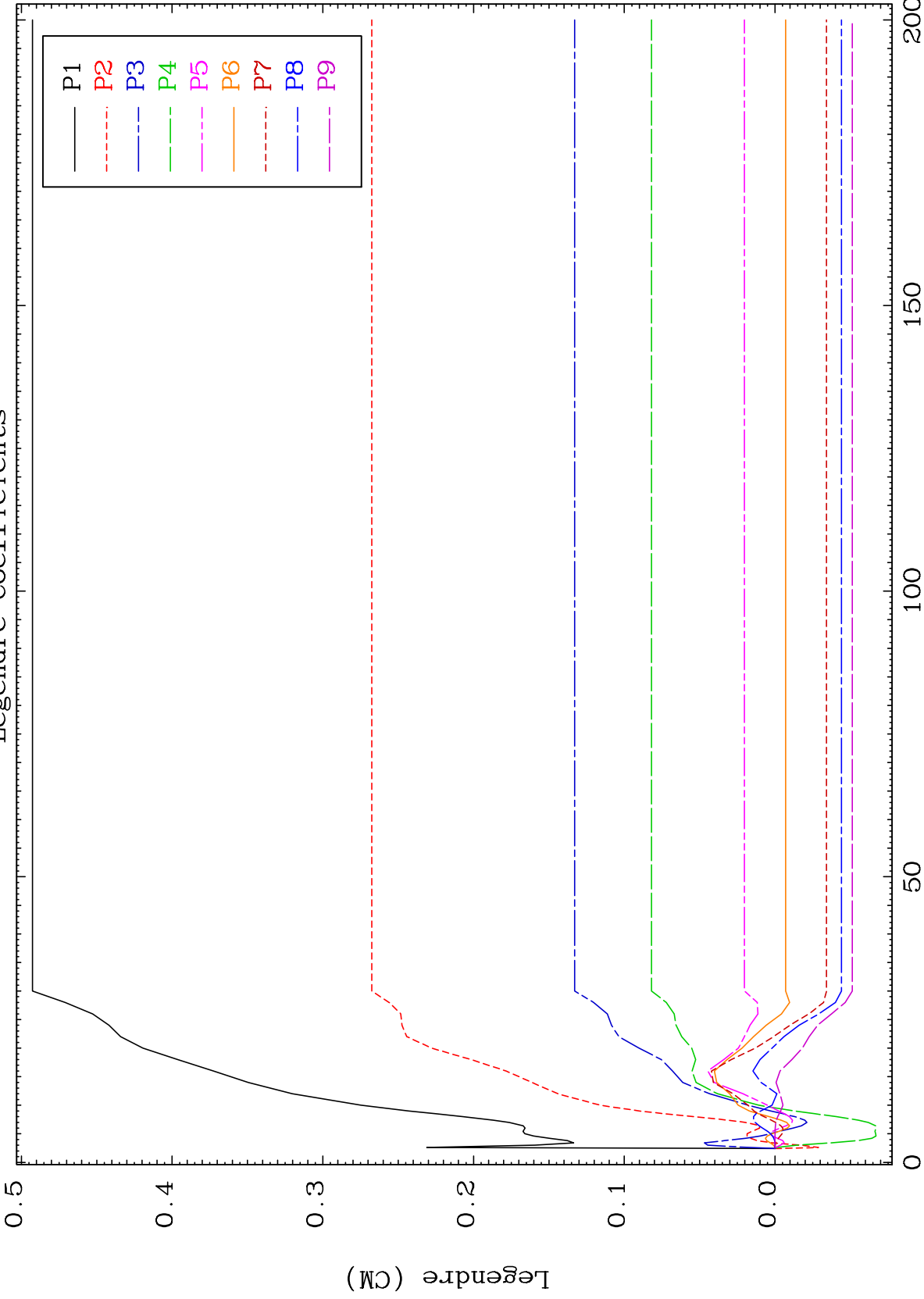
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



65

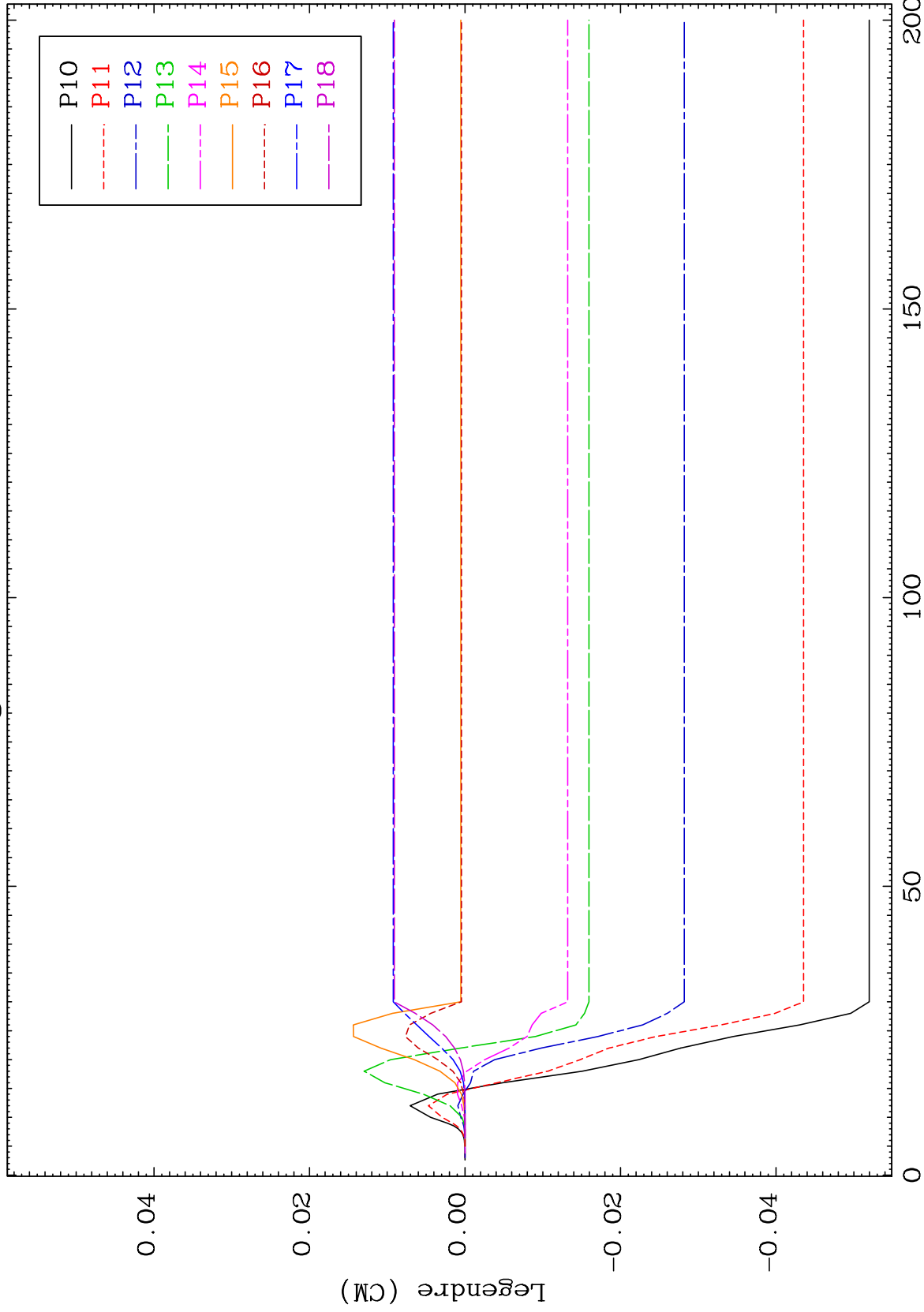
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



66

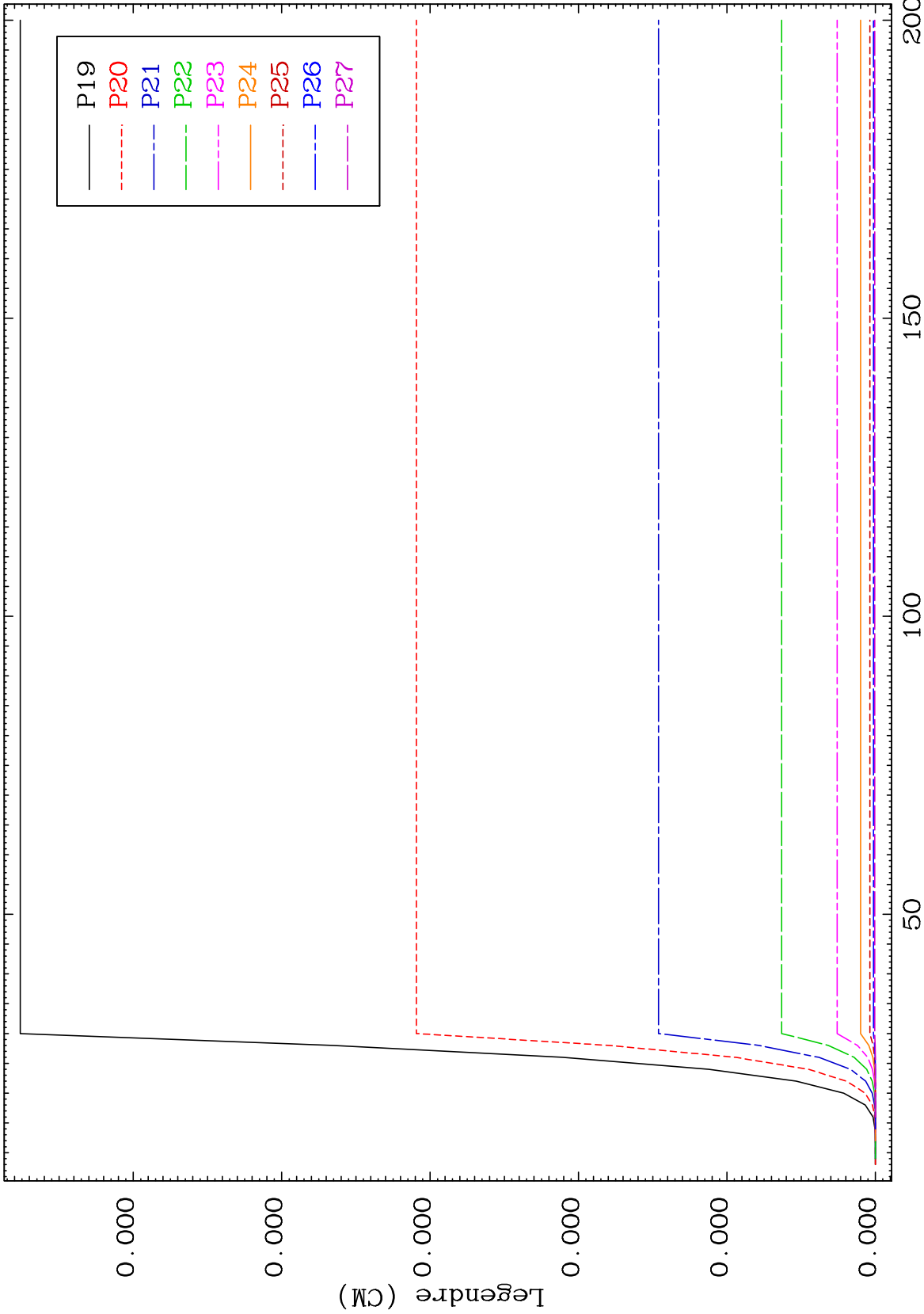
Incident Energy (MeV)

54-Xe-113

MAT 5392

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

54-Xe-113



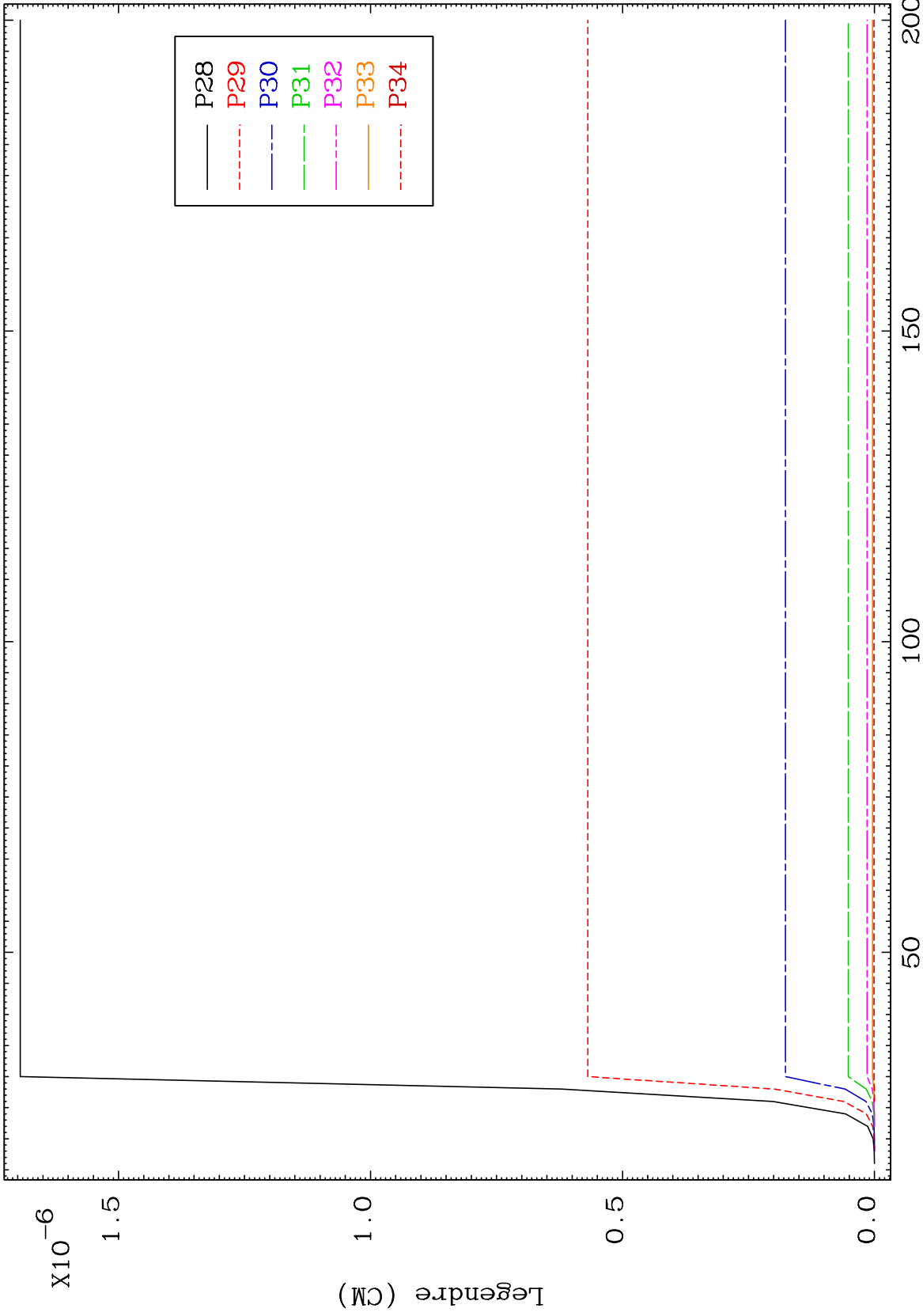
67

54-Xe-113

MAT 5392

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

54-Xe-113



68

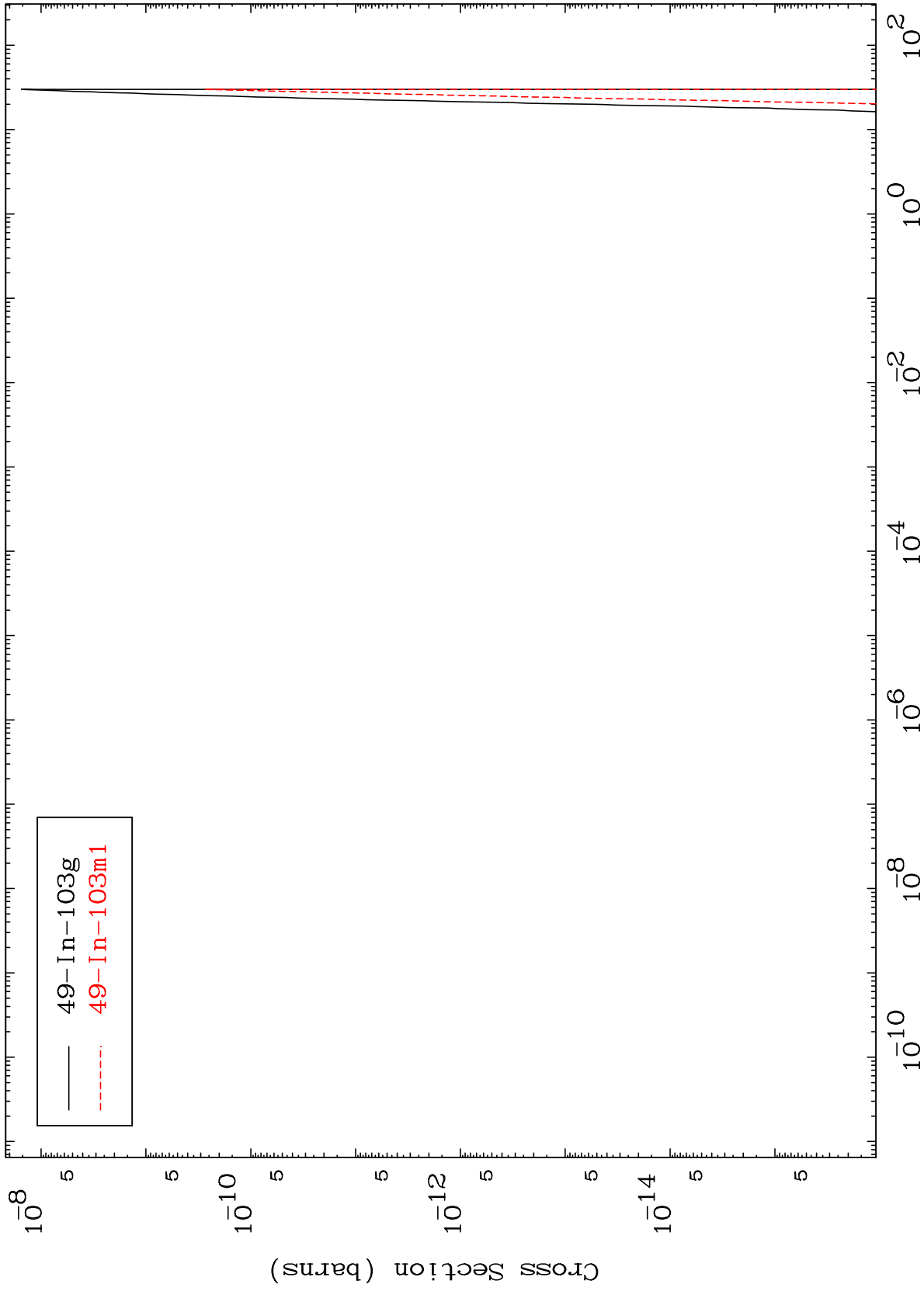
54-Xe-113

MAT 5392

(n, t)  $2\alpha$

54-Xe-113

Radionuclide Production Cross Section



69

Incident Energy (MeV)

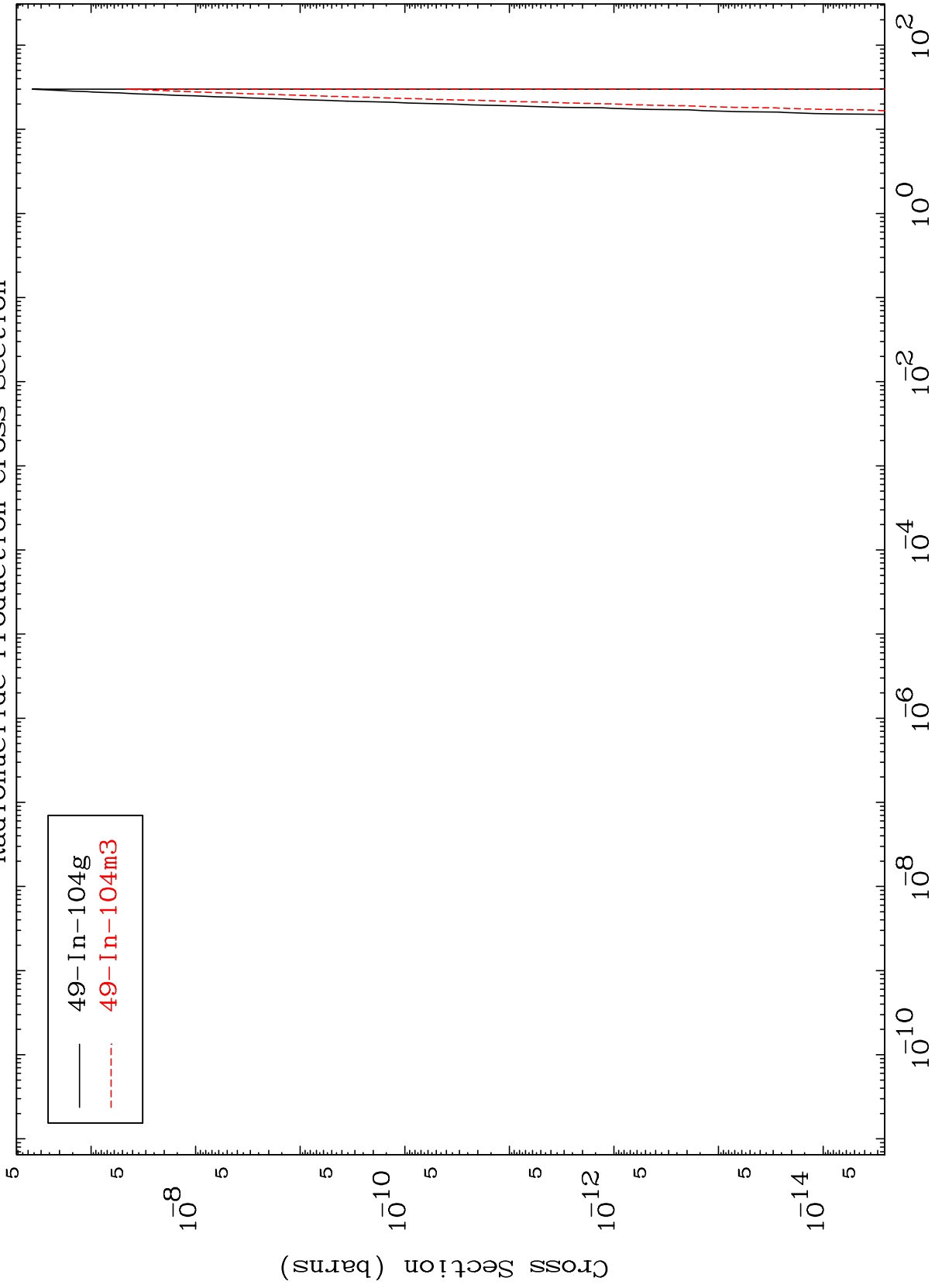
54-Xe-113

MAT 5392

(n,d)  $2\alpha$

$^{54}\text{Xe-113}$

Radionuclide Production Cross Section



70

Incident Energy (MeV)

$^{54}\text{Xe-113}$