

Program EVALPLOT  
(Version 2021-1)

by

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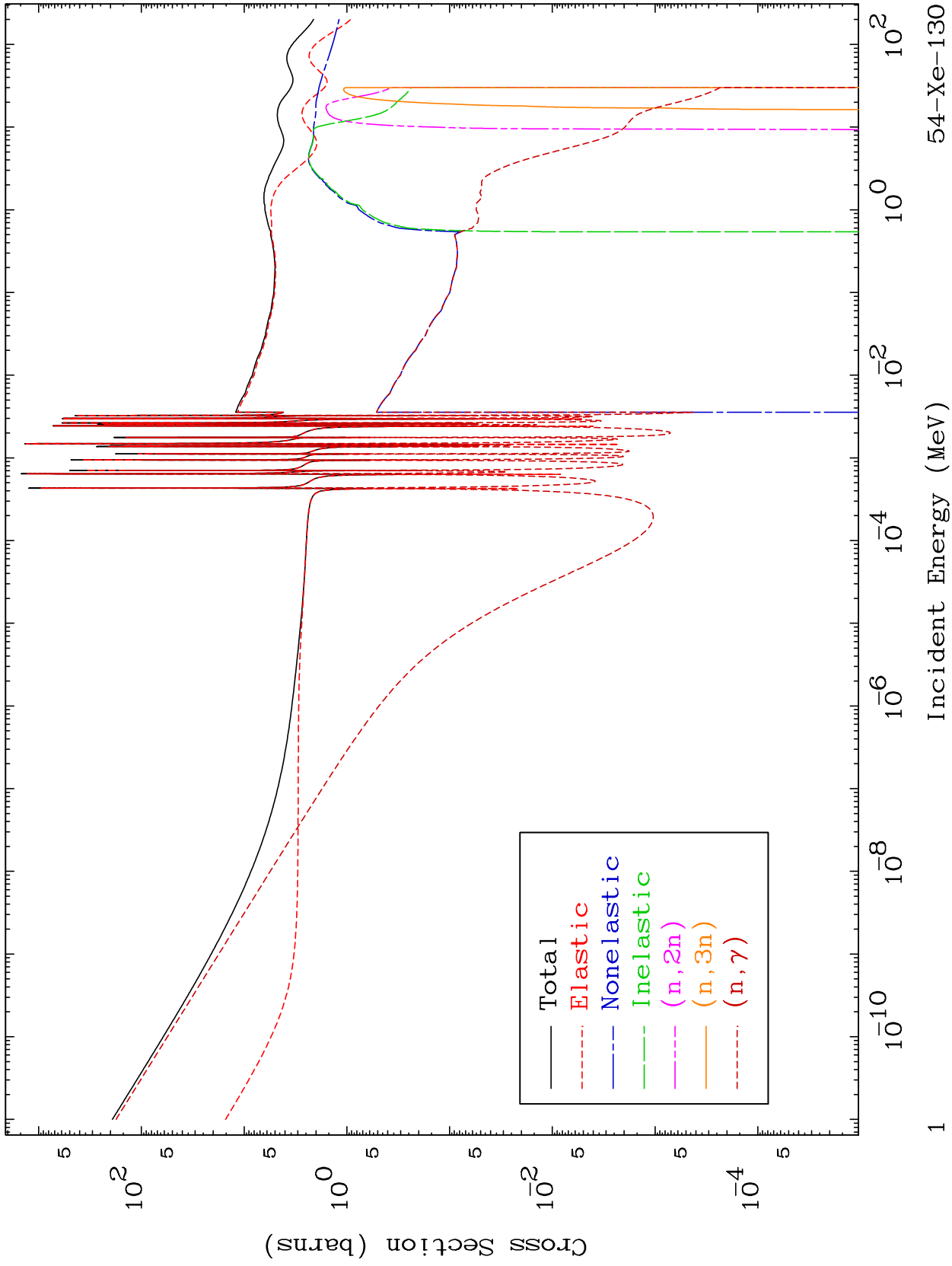
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5443

Neutron Major  
293 Kelvin Cross Sections

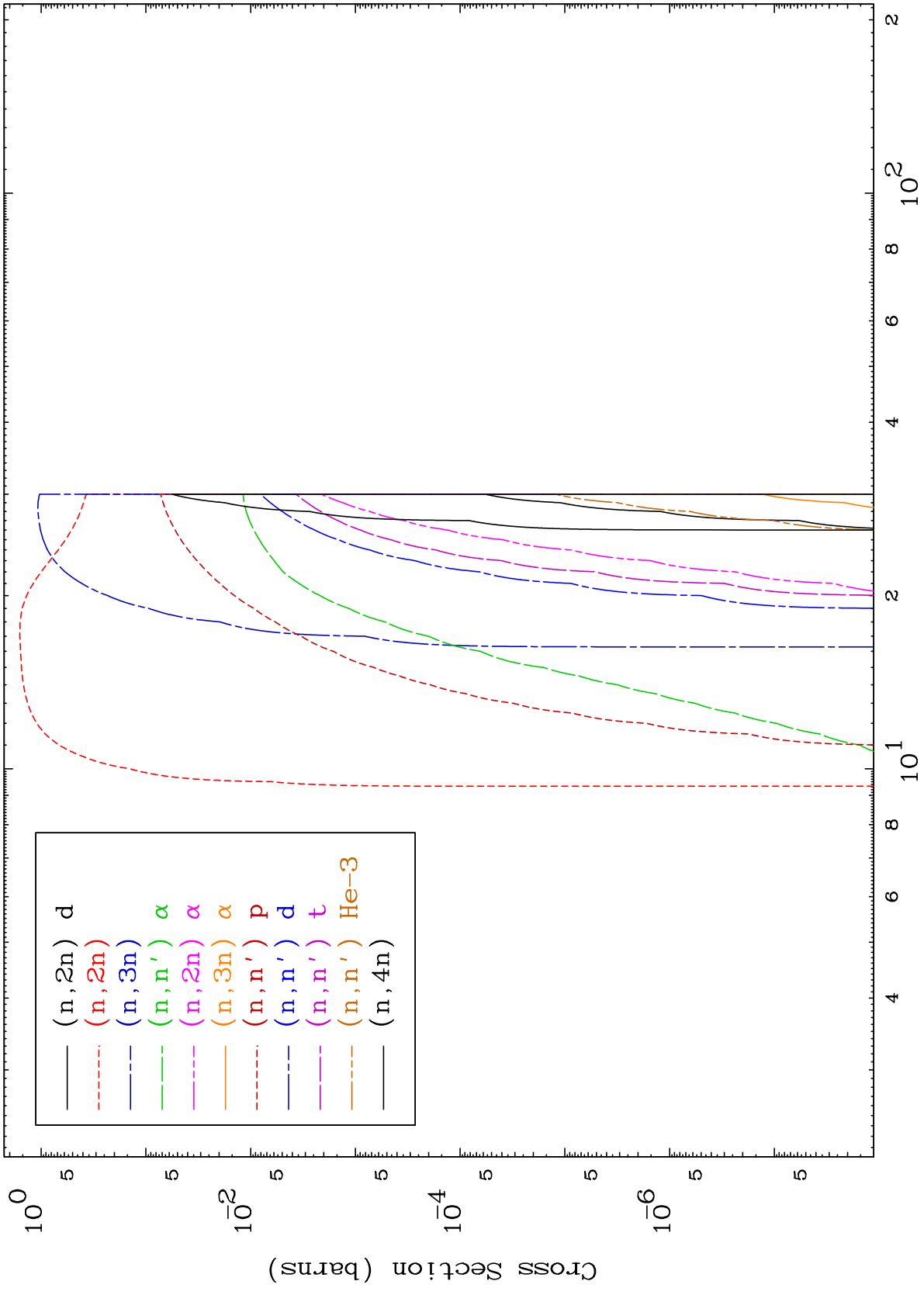
54-Xe-130



MAT 5443

Neutron Absorption  
293 Kelvin Cross Sections

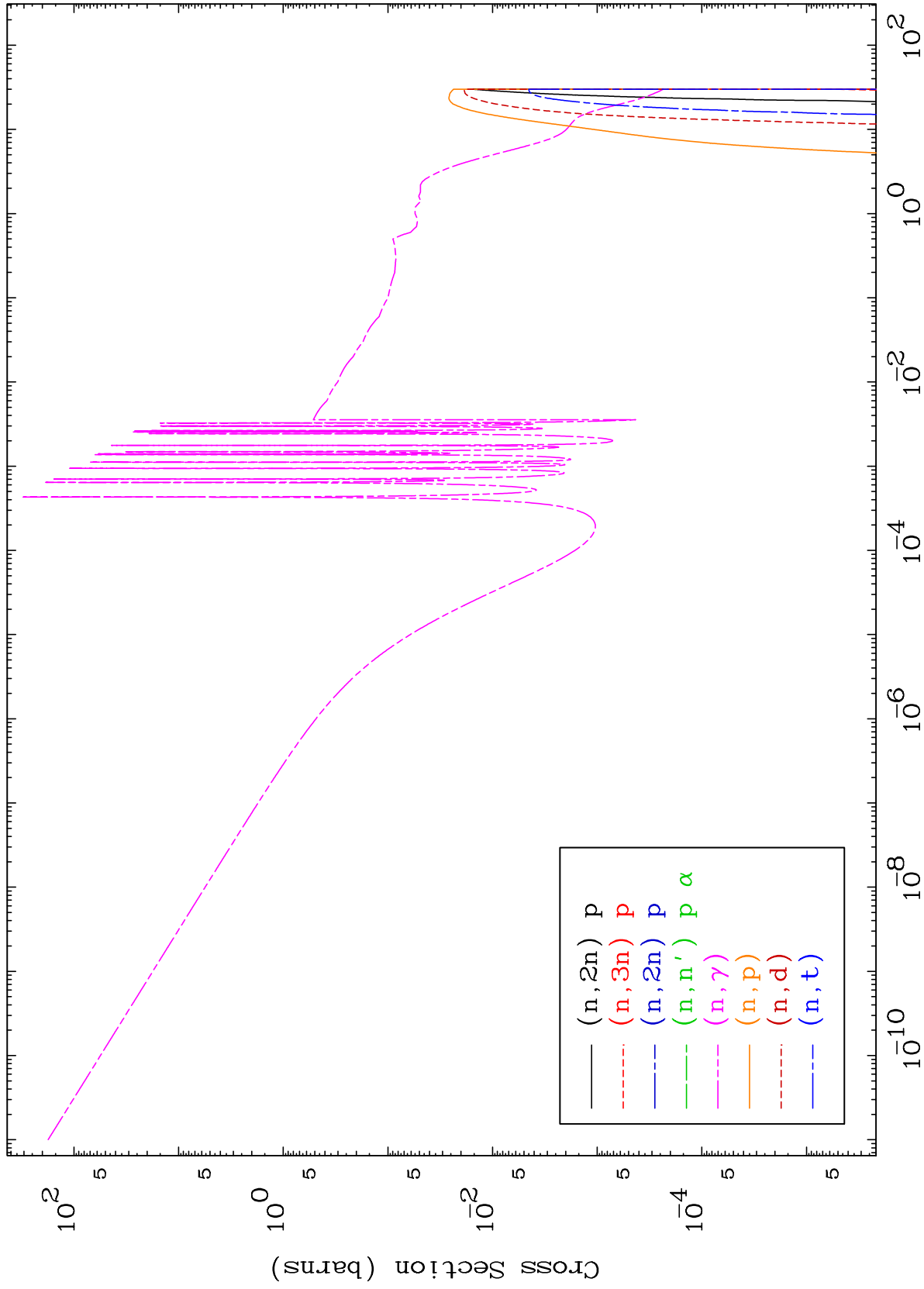
54-Xe-130



MAT 5443

Neutron Absorption  
293 Kelvin Cross Sections

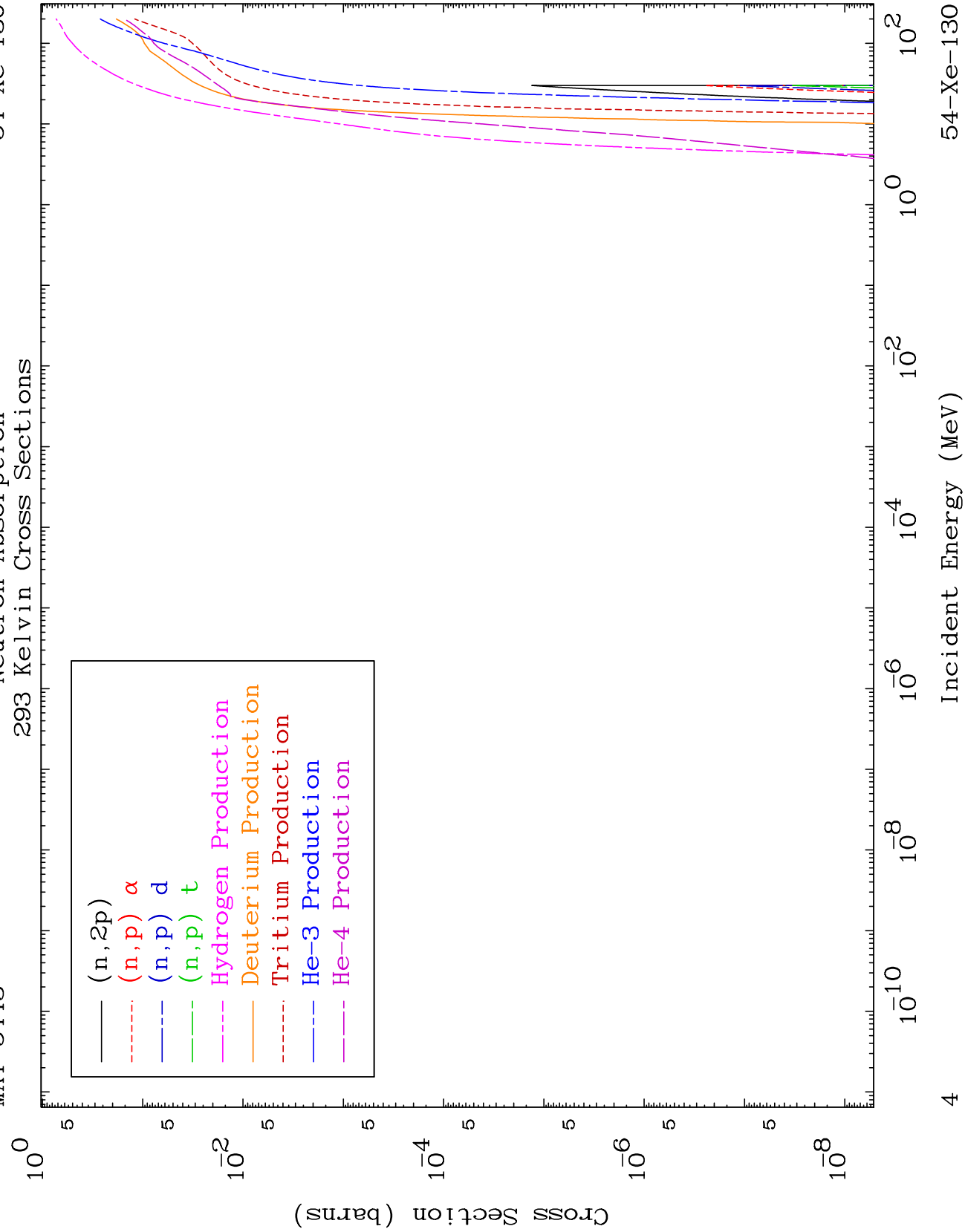
54-Xe-130

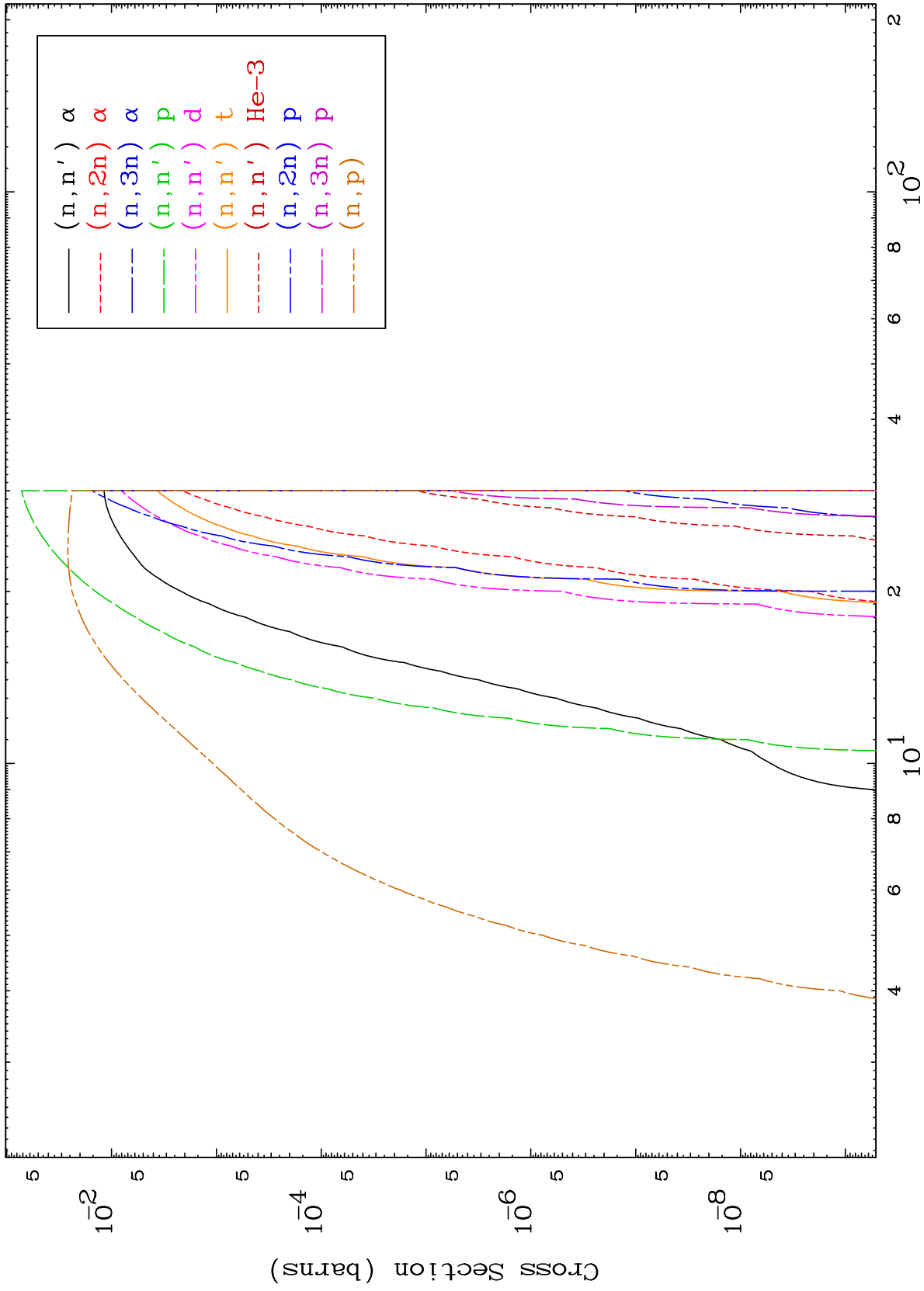


MAT 5443

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-130

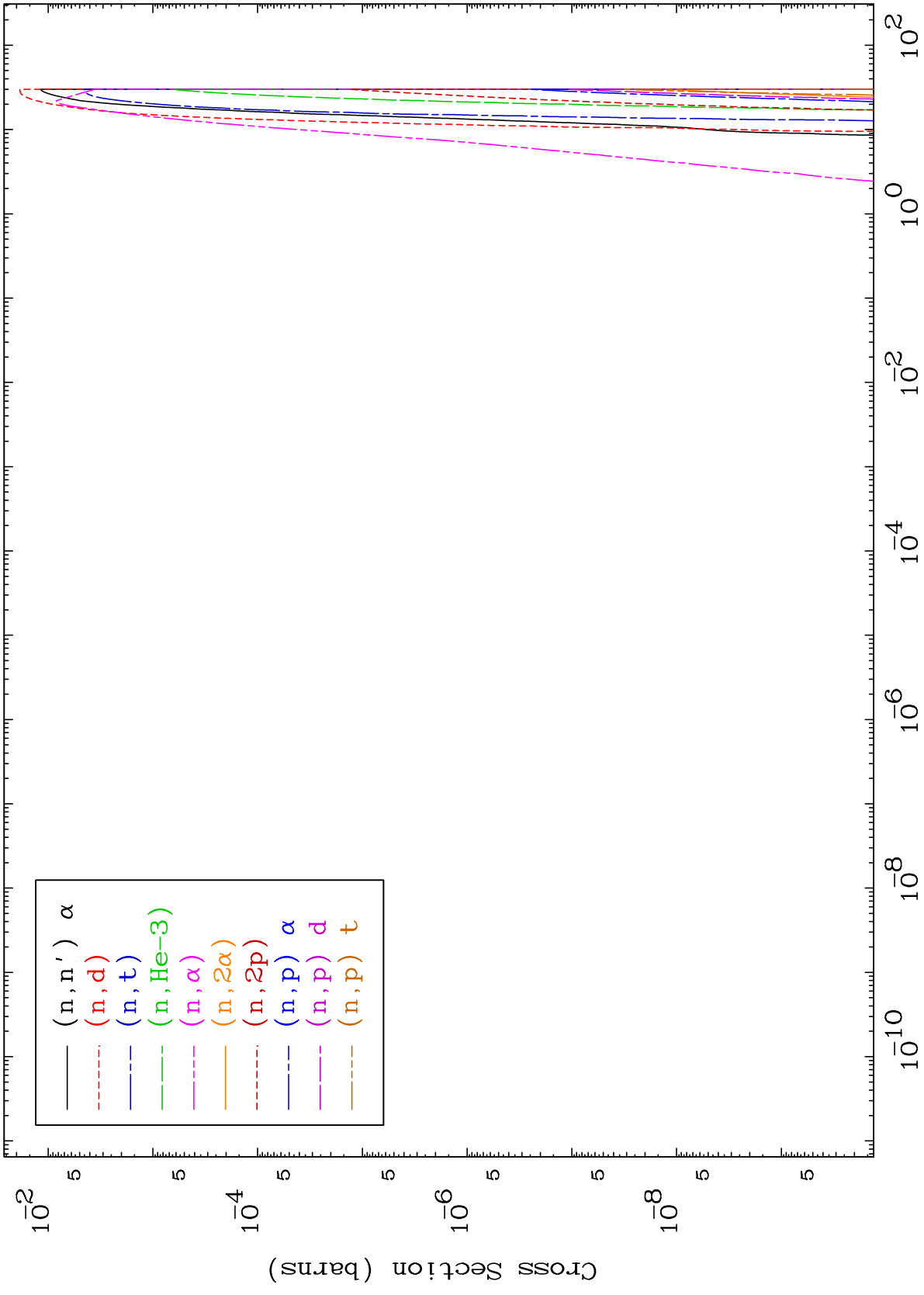




MAT 5443

293 Kelvin Cross Sections

54-Xe-130



54-Xe-130

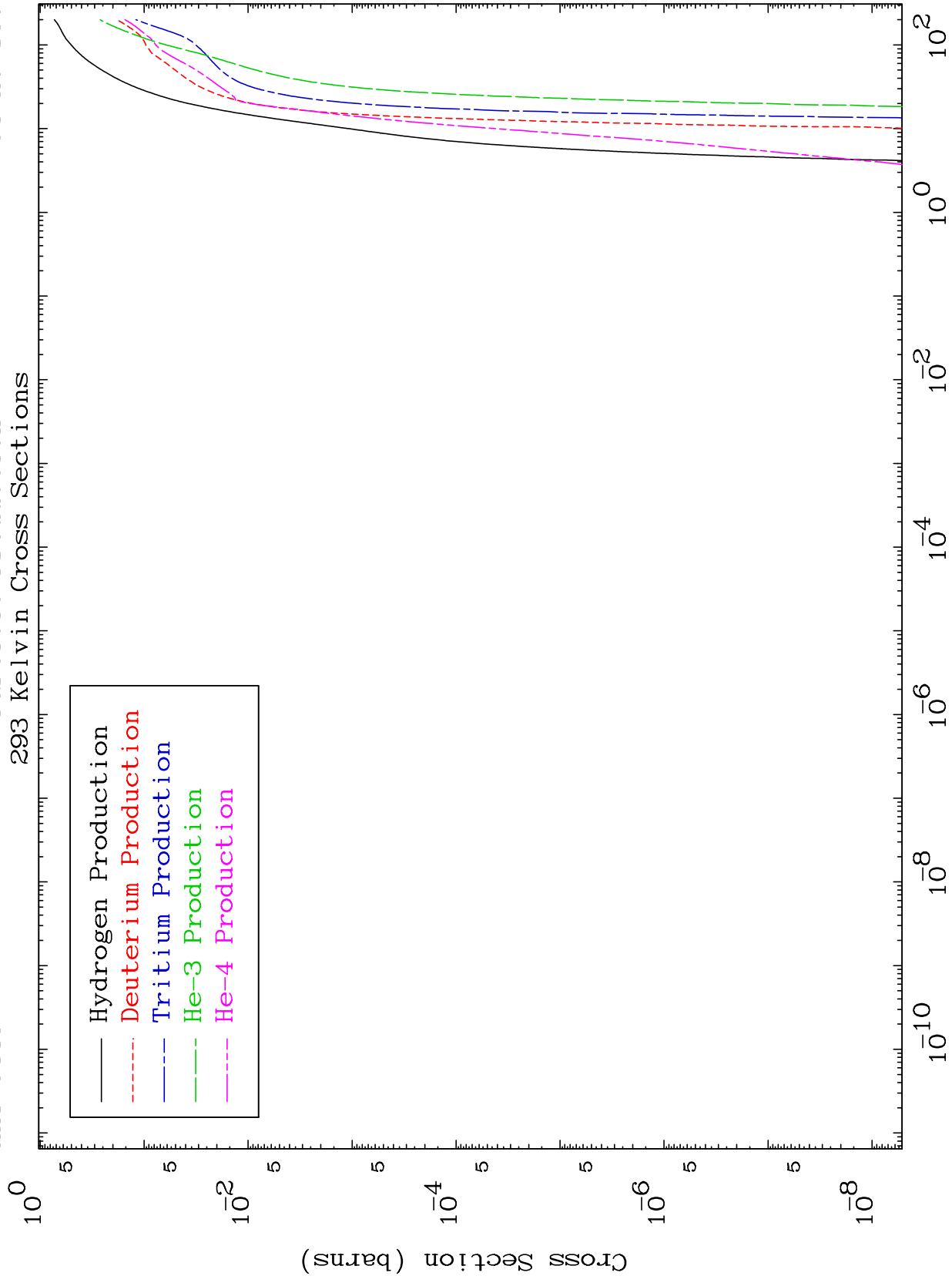
Incident Energy (MeV)

6

MAT 5443

Particle Production  
293 Kelvin Cross Sections

54-Xe-130



54-Xe-130

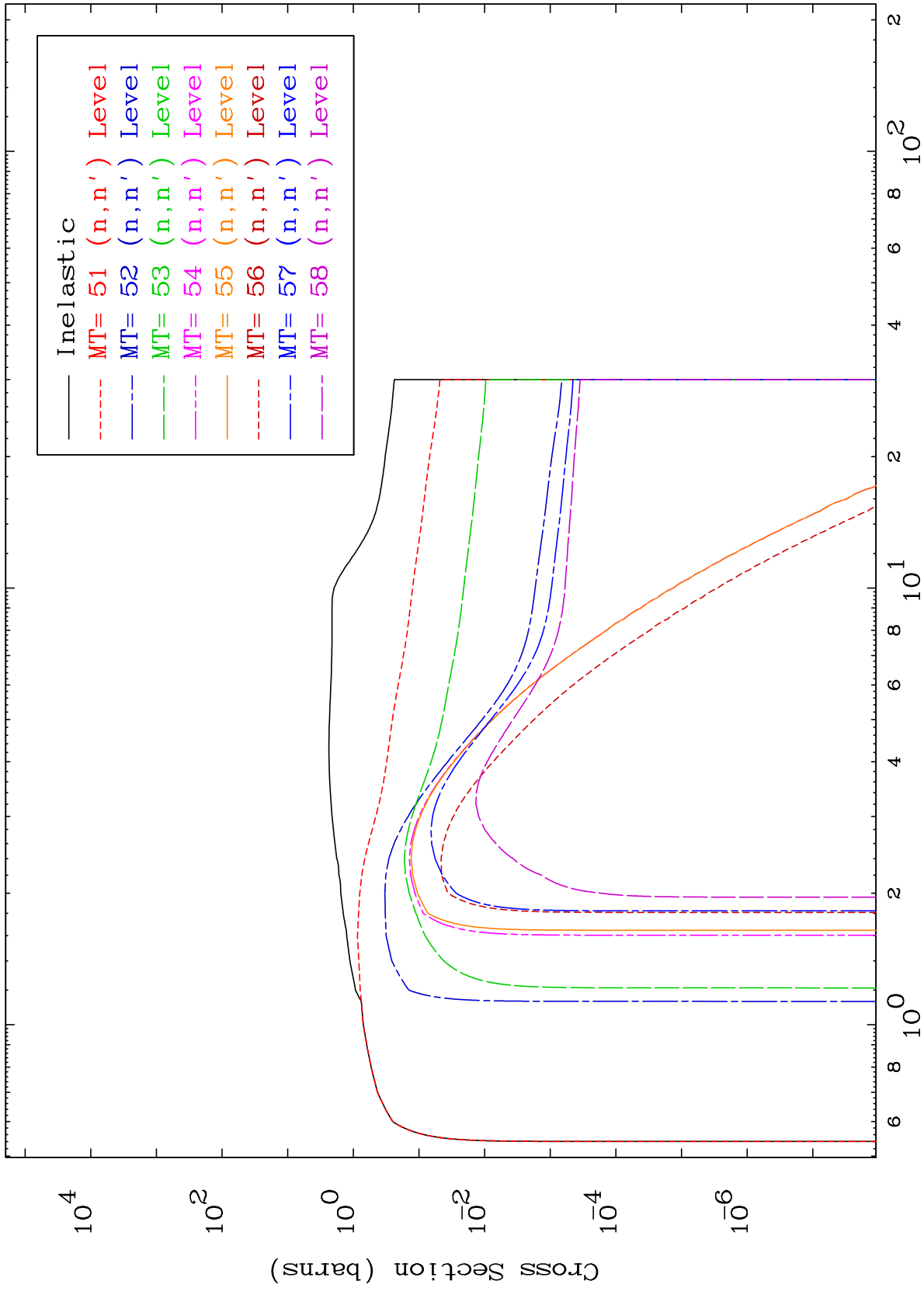


MAT 5443

(n,n') Levels

54-Xe-130

293 Kelvin Cross Sections



8

Incident Energy (MeV)

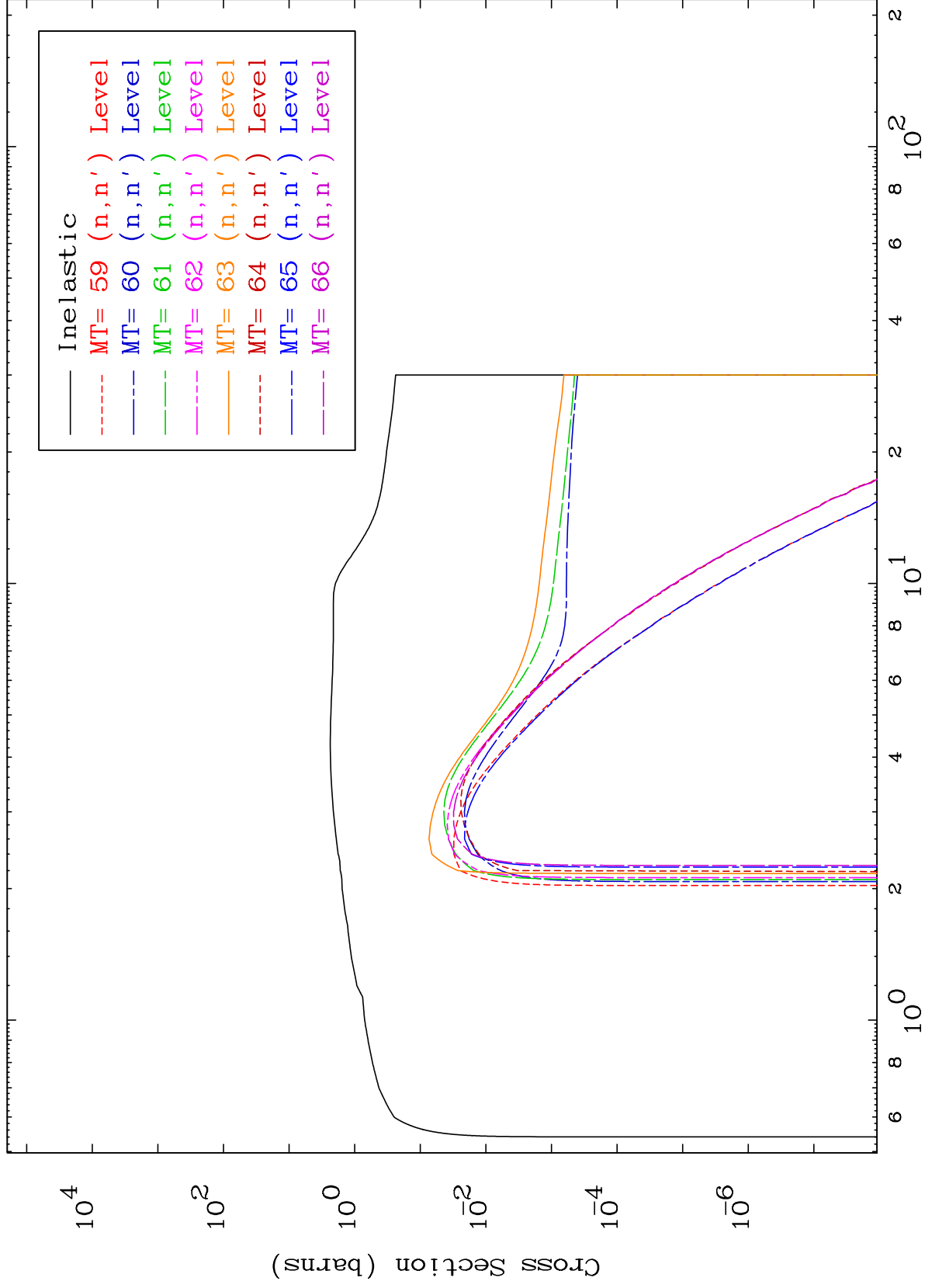
54-Xe-130

MAT 5443

(n,n') Levels

54-Xe-130

293 Kelvin Cross Sections



9

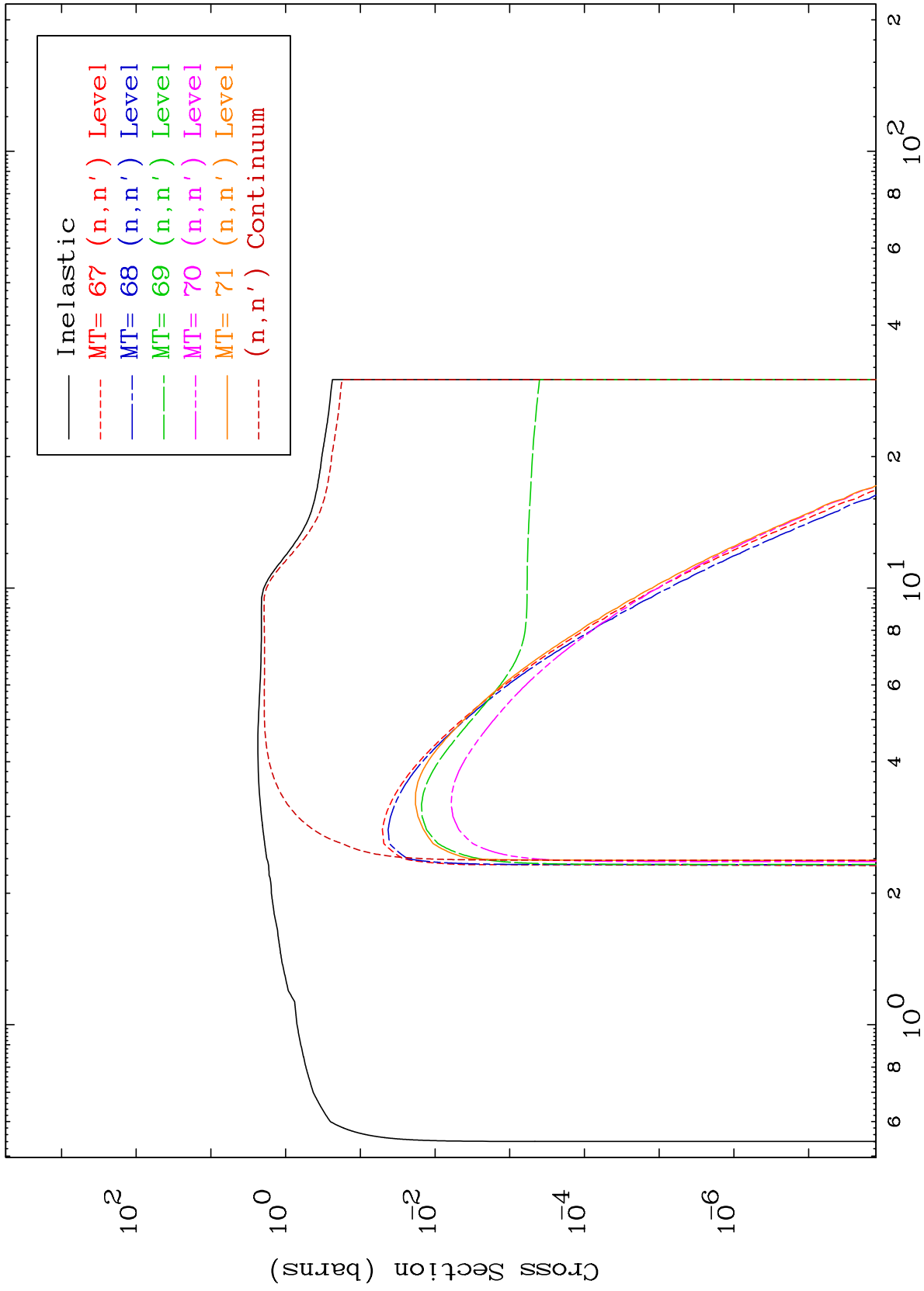
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-130



10

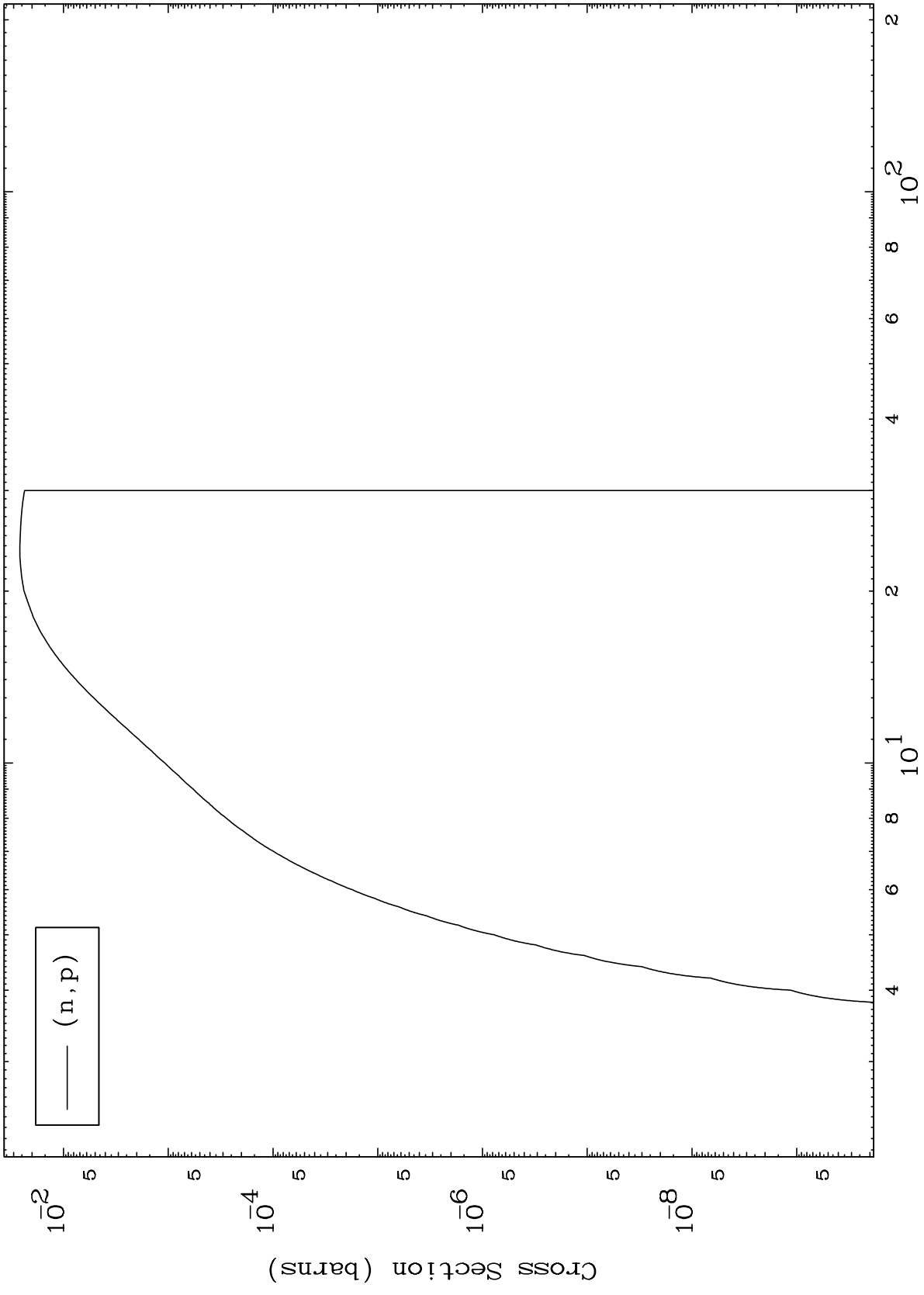
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-130

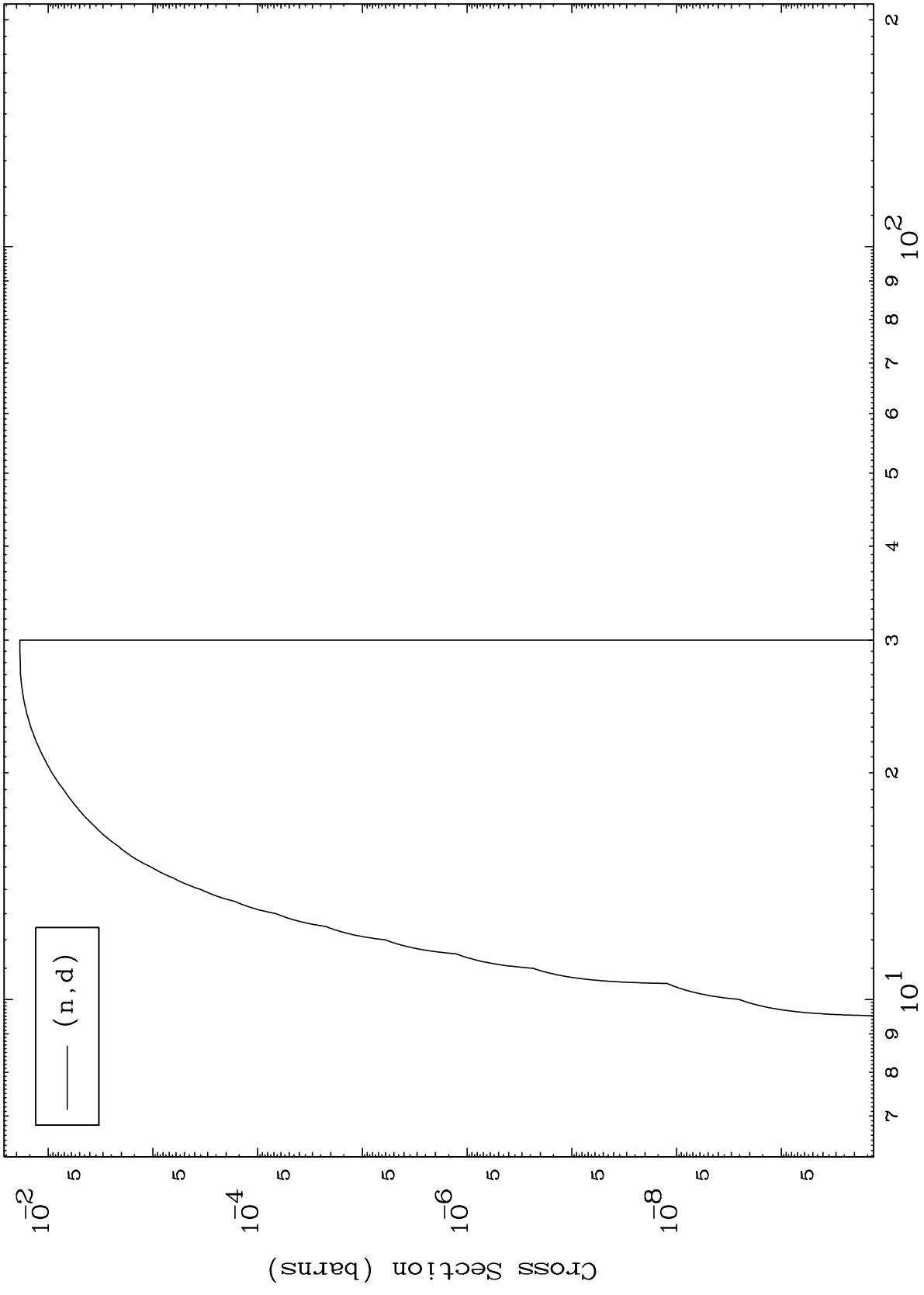


54-Xe-130

MAT 5443

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-130



12

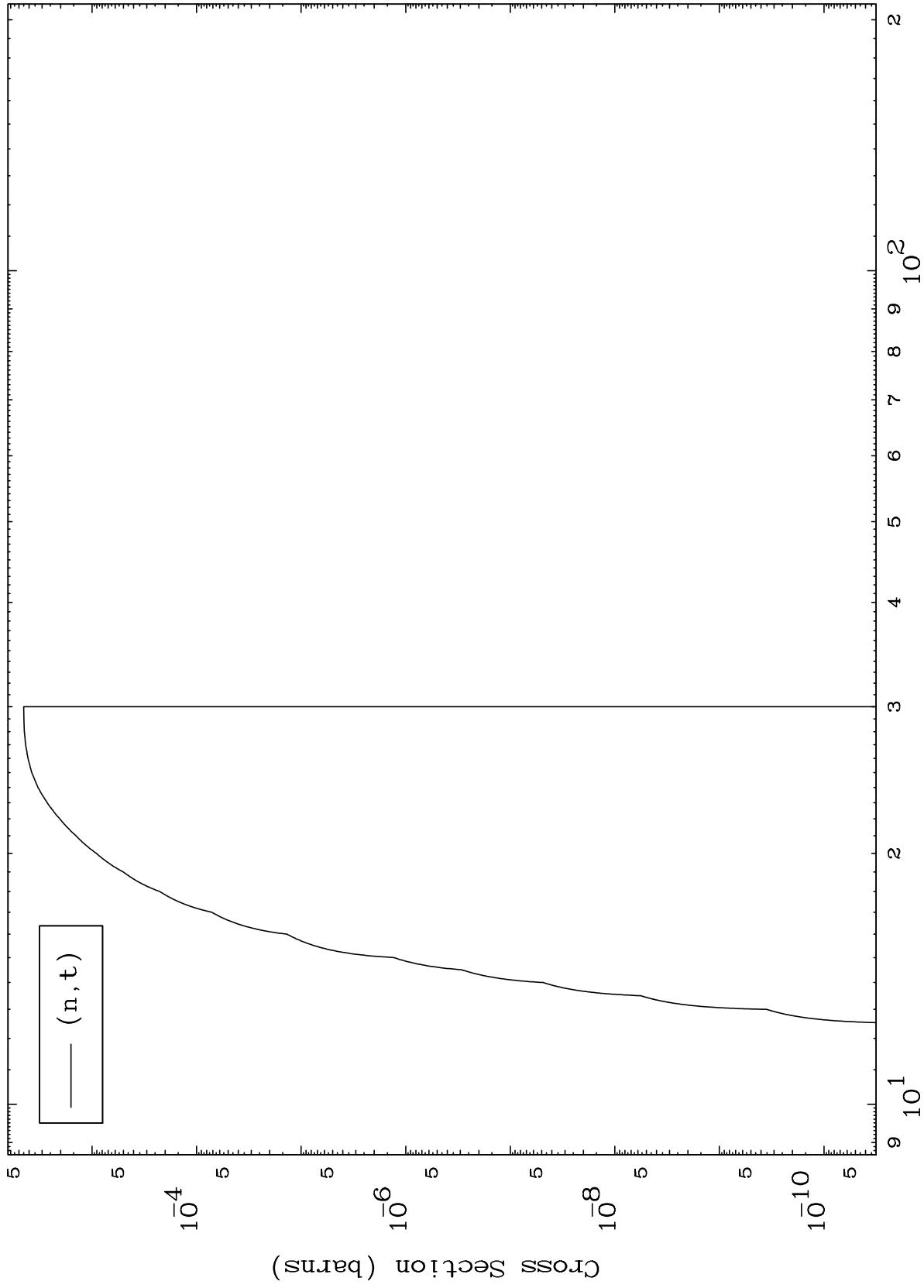
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-130



13

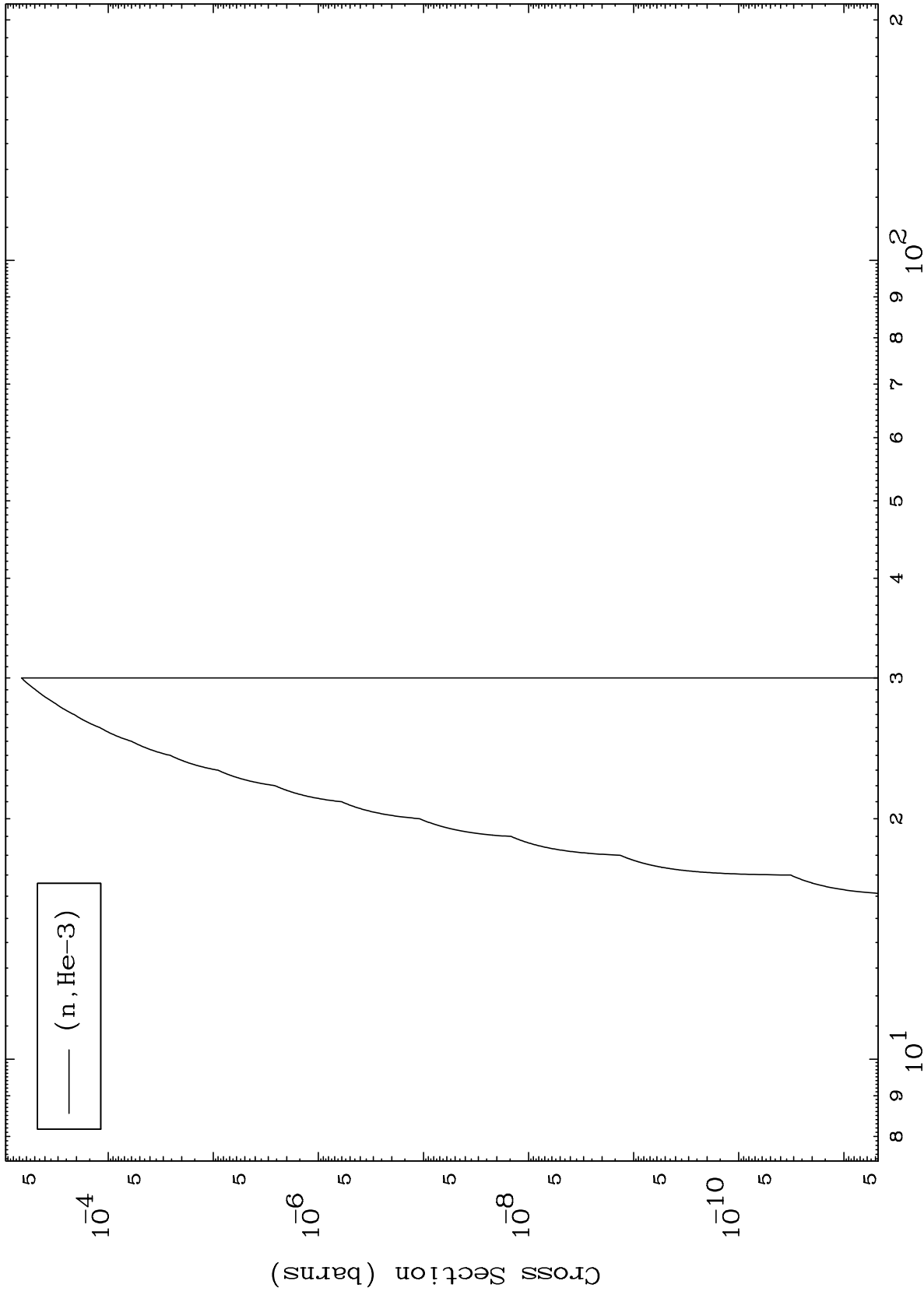
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,He3) Levels  
293 Kelvin Cross Sections

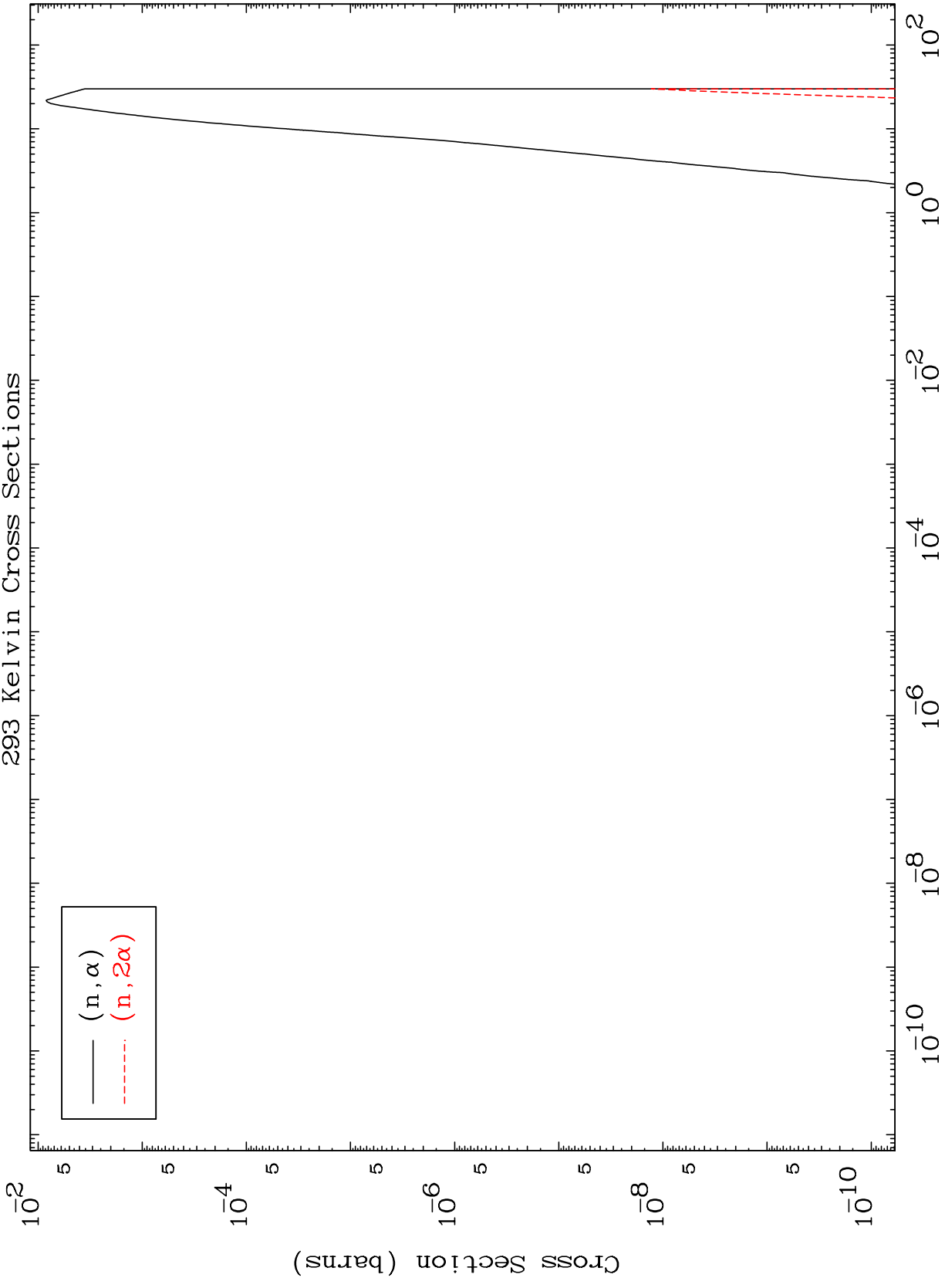
54-Xe-130



MAT 5443

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-130

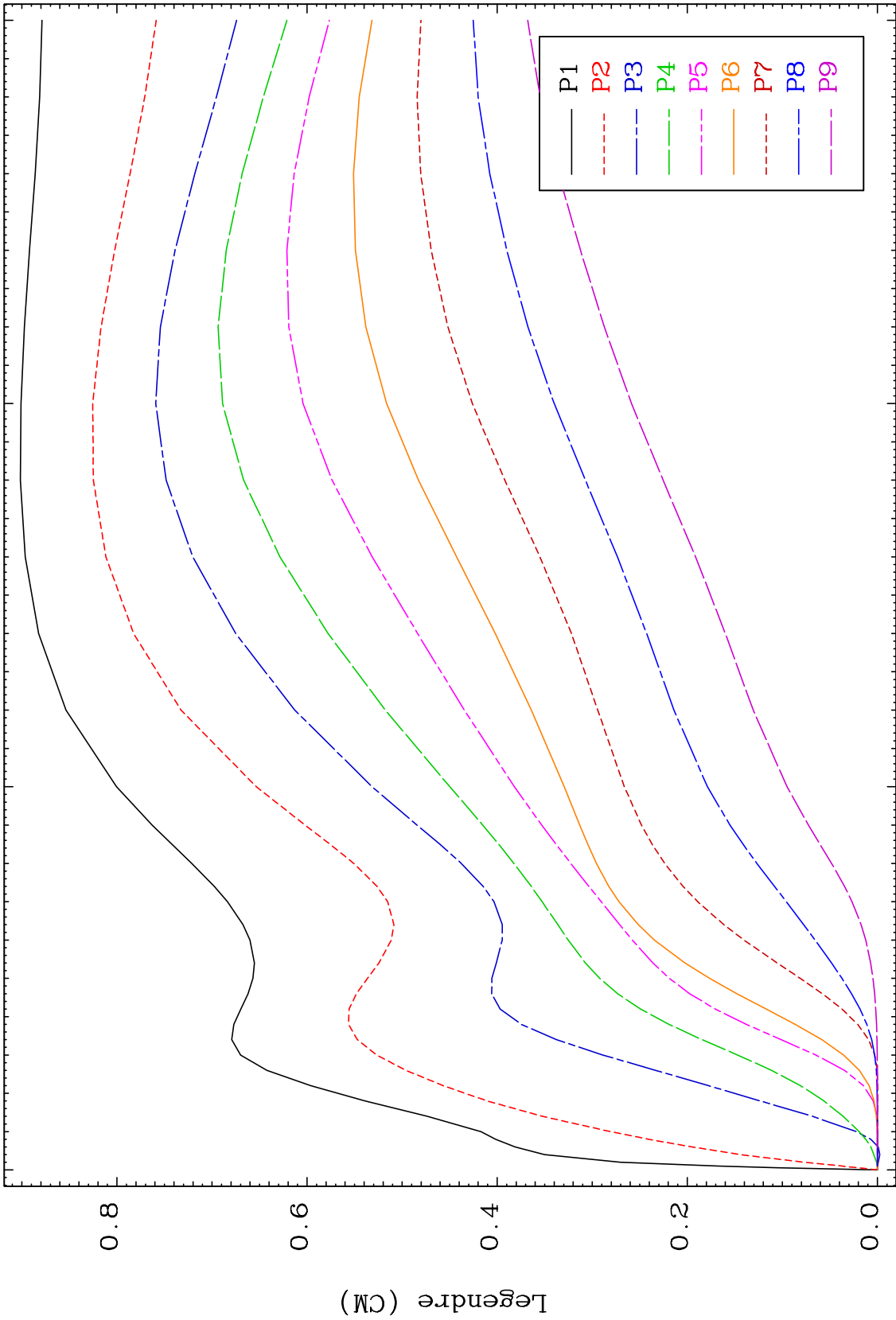




MAT 5443

Elastic Legendre Coefficients

54-Xe-130



16

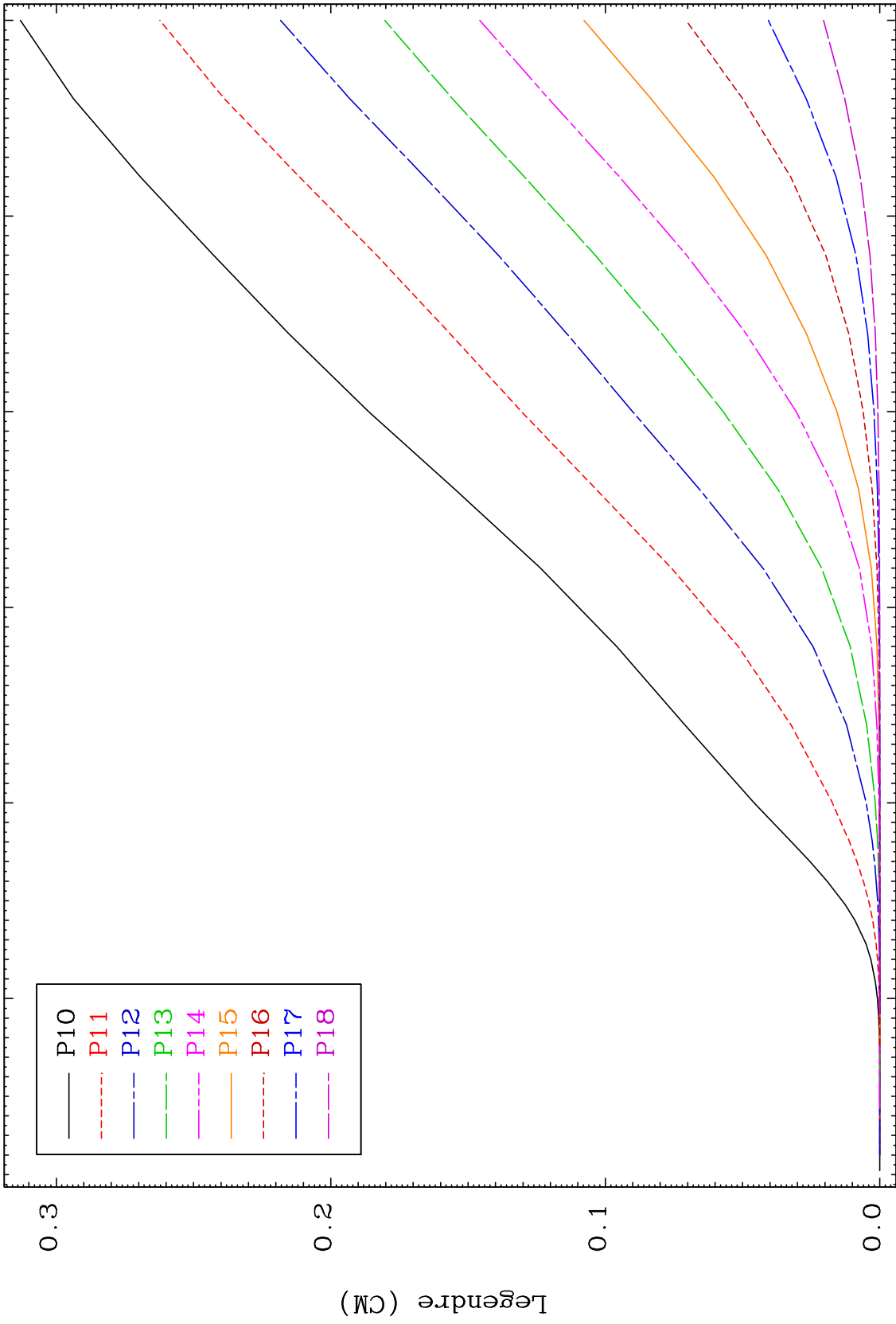
Incident Energy (MeV)

54-Xe-130

MAT 5443

Elastic Legendre Coefficients

54-Xe-130



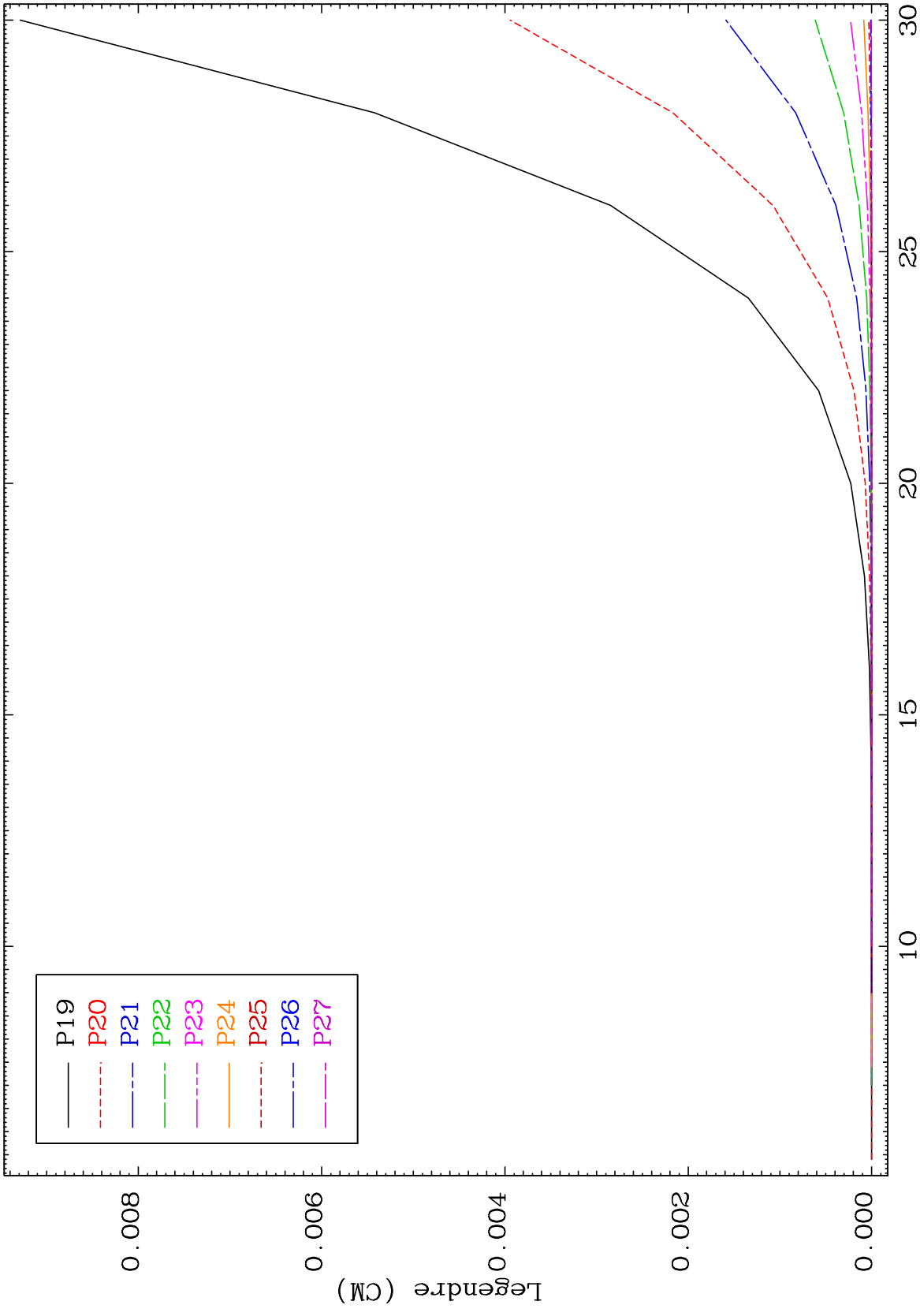
17

54-Xe-130

MAT 5443

Elastic  
Legendre Coefficients

54-Xe-130



18

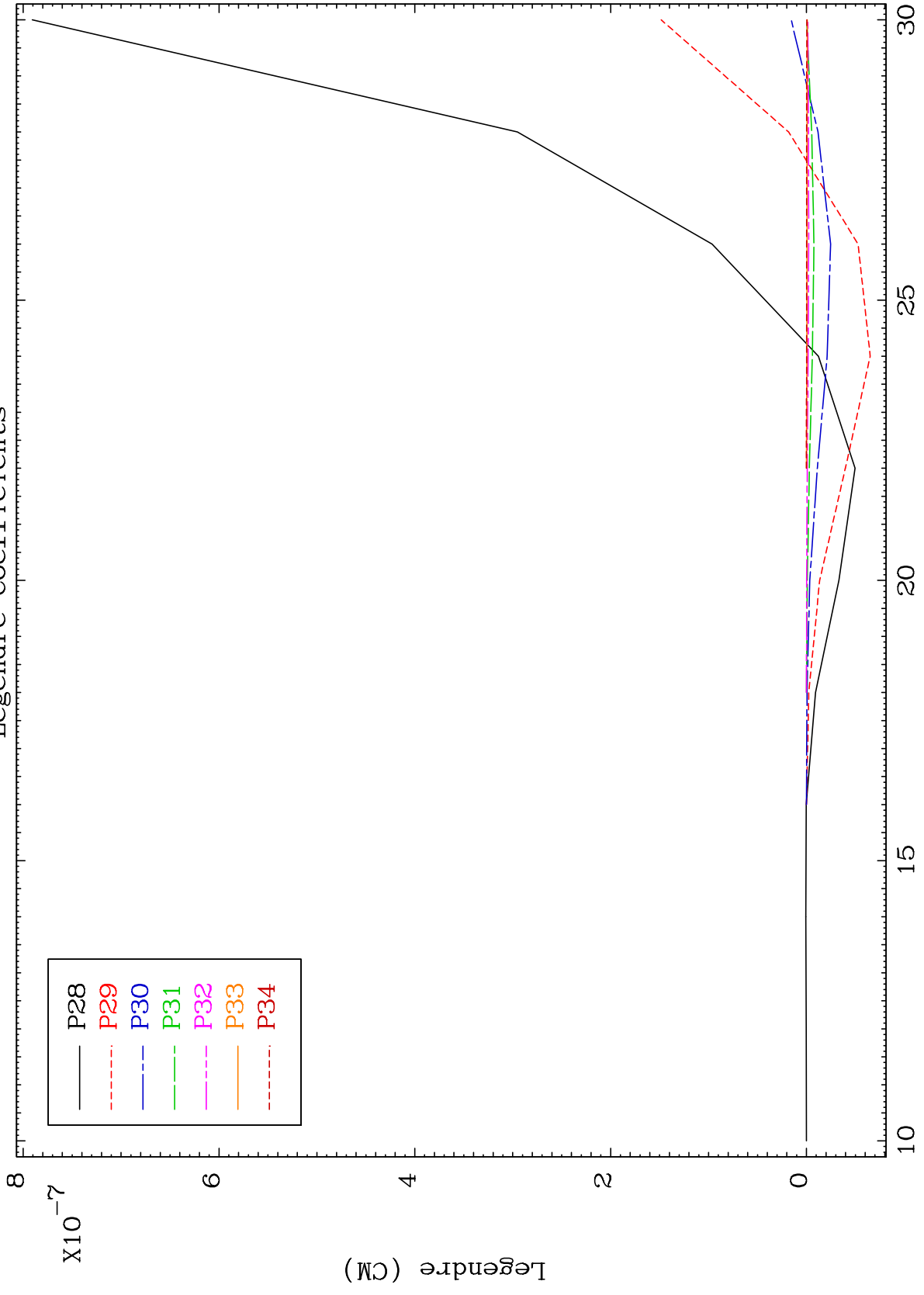
Incident Energy (MeV)

54-Xe-130

MAT 5443

Elastic Legendre Coefficients

54-Xe-130



19

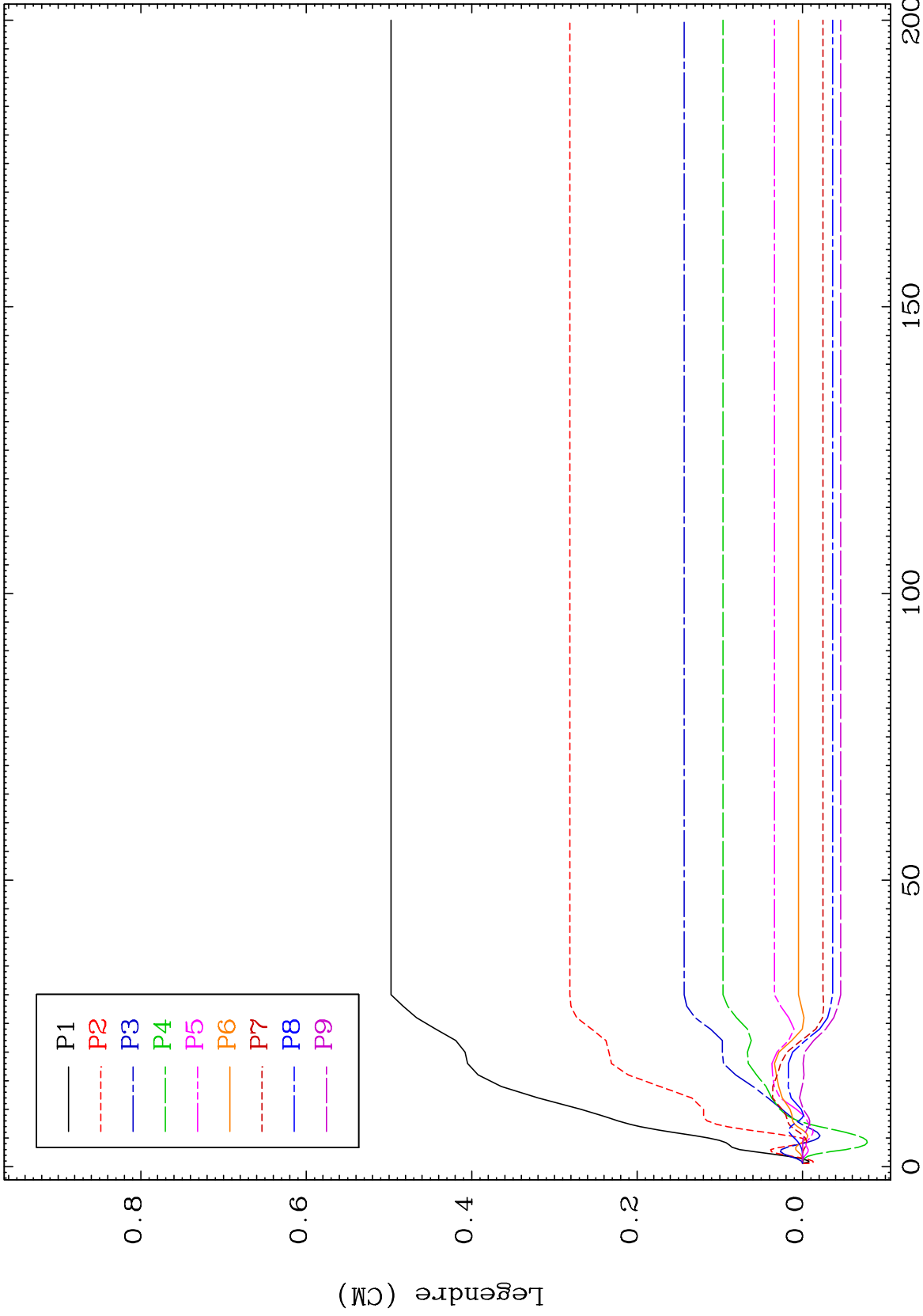
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



0

50

100

150

200

Incident Energy (MeV)

54-Xe-130

Legendre (CM)

0.8

0.6

0.4

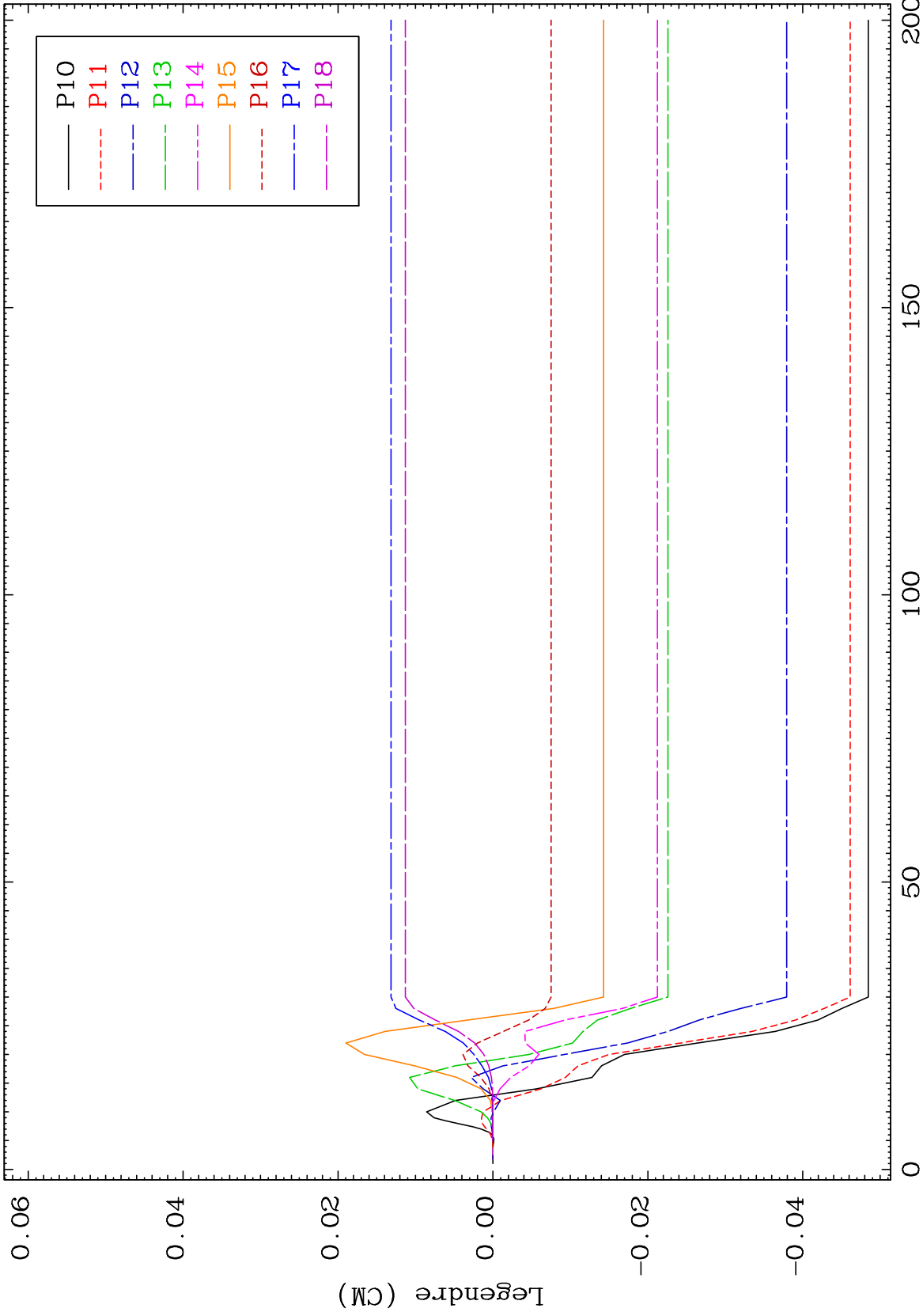
0.2

0.0

MAT 5443

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

54-Xe-130



21

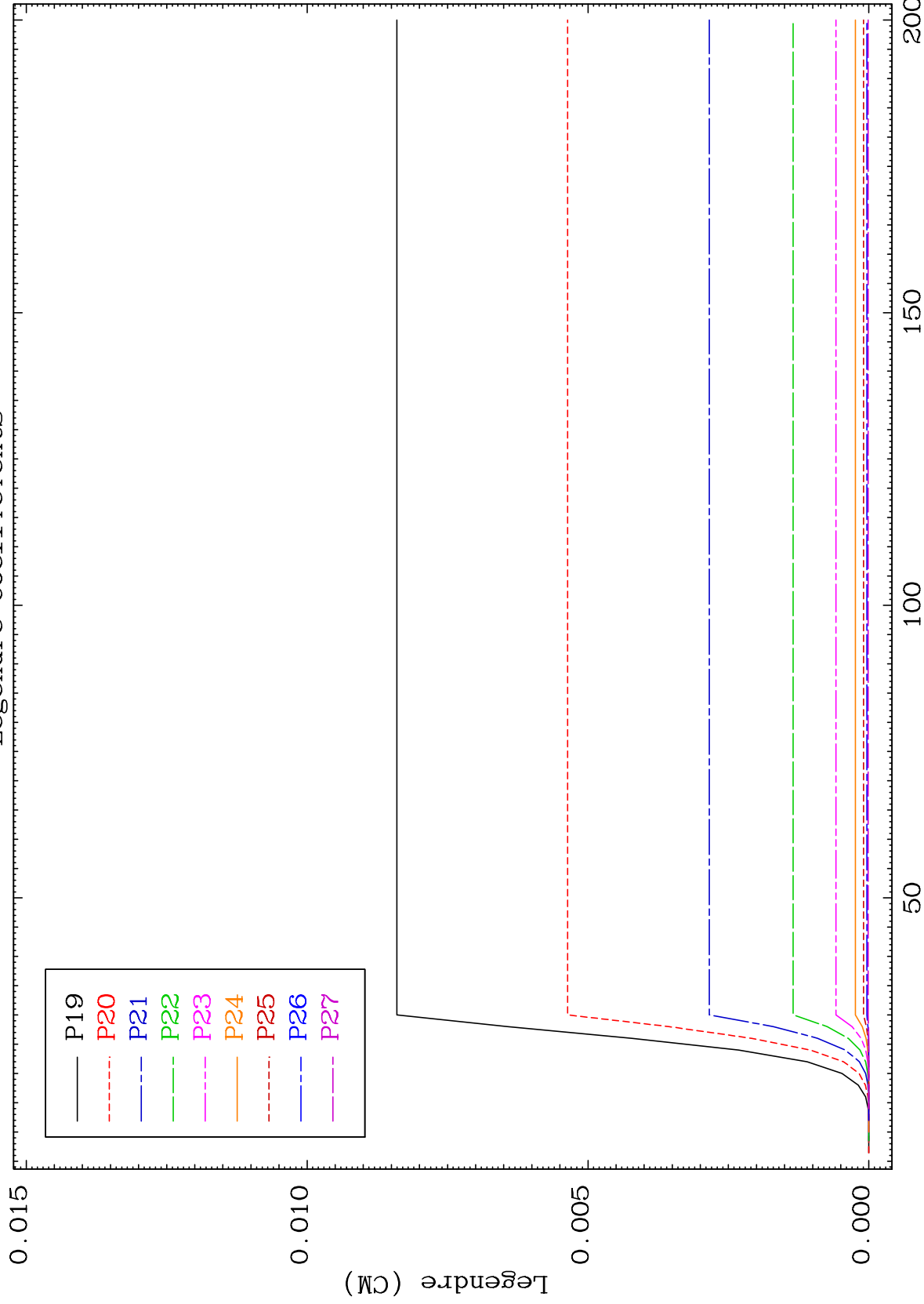
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



22

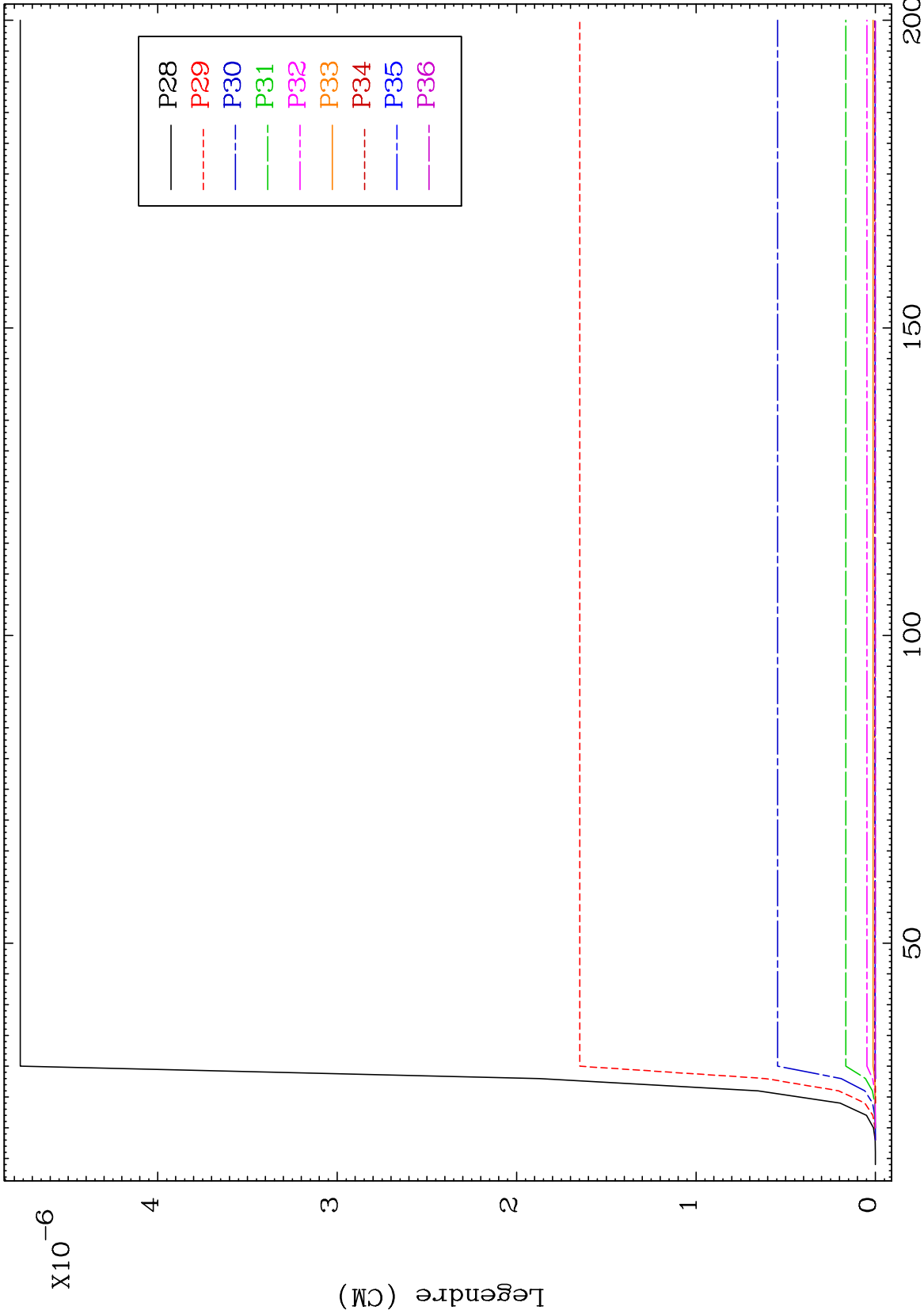
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



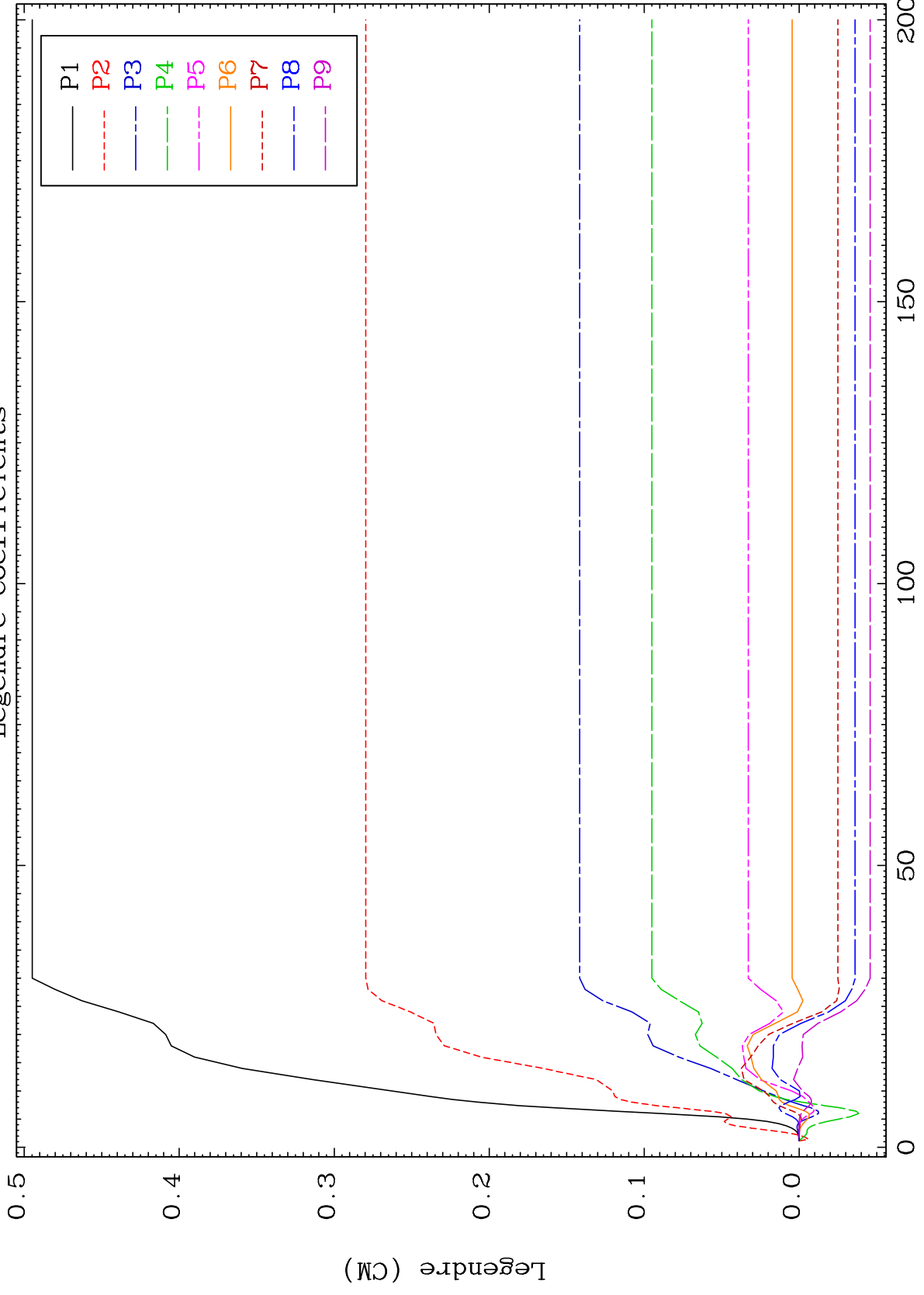
23

Incident Energy (MeV)

54-Xe-130



MAT 5443 MT= 52 (n,n') Level Legendre Coefficients 54-Xe-130

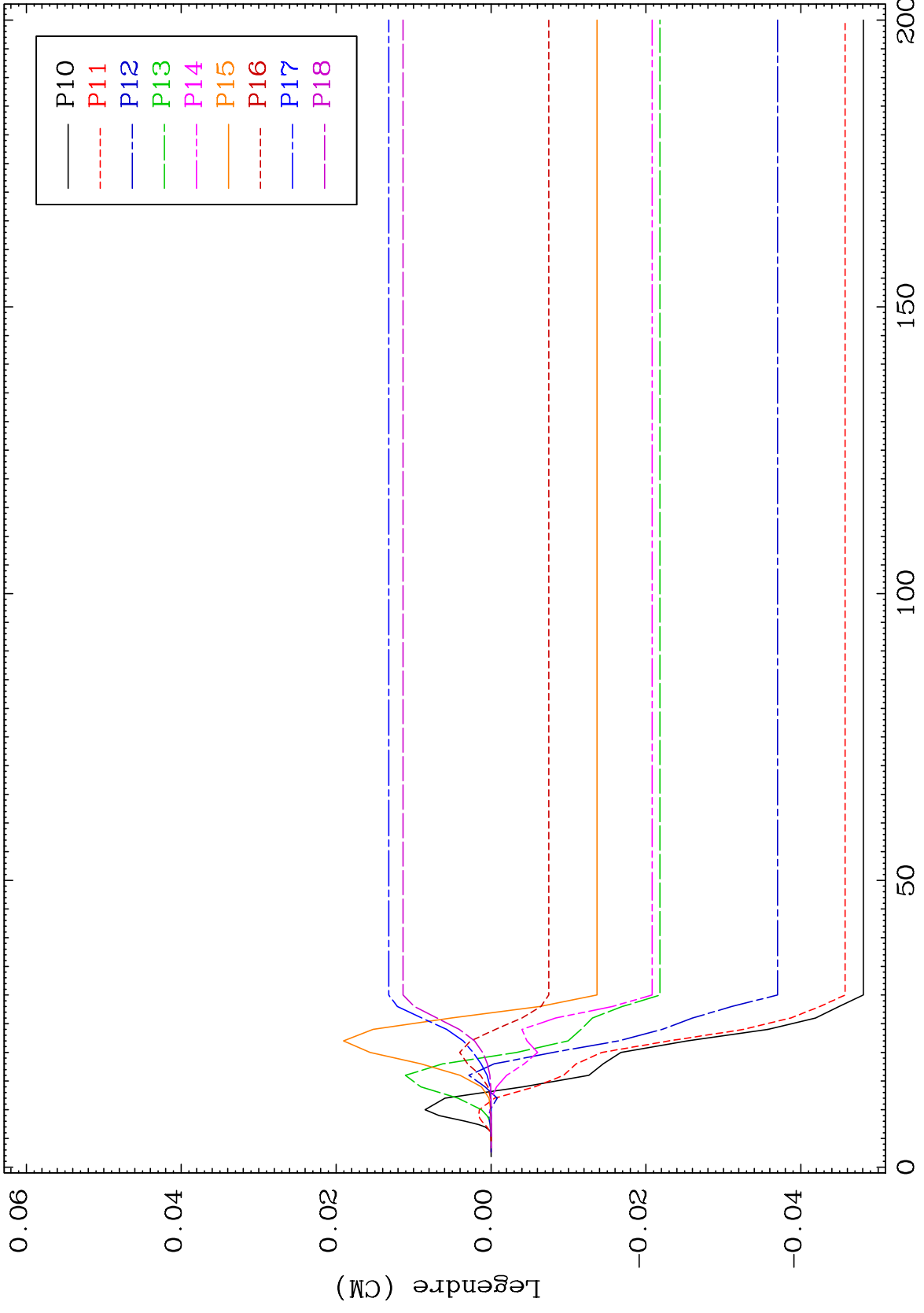


24 54-Xe-130

MAT 5443

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

54-Xe-130



25

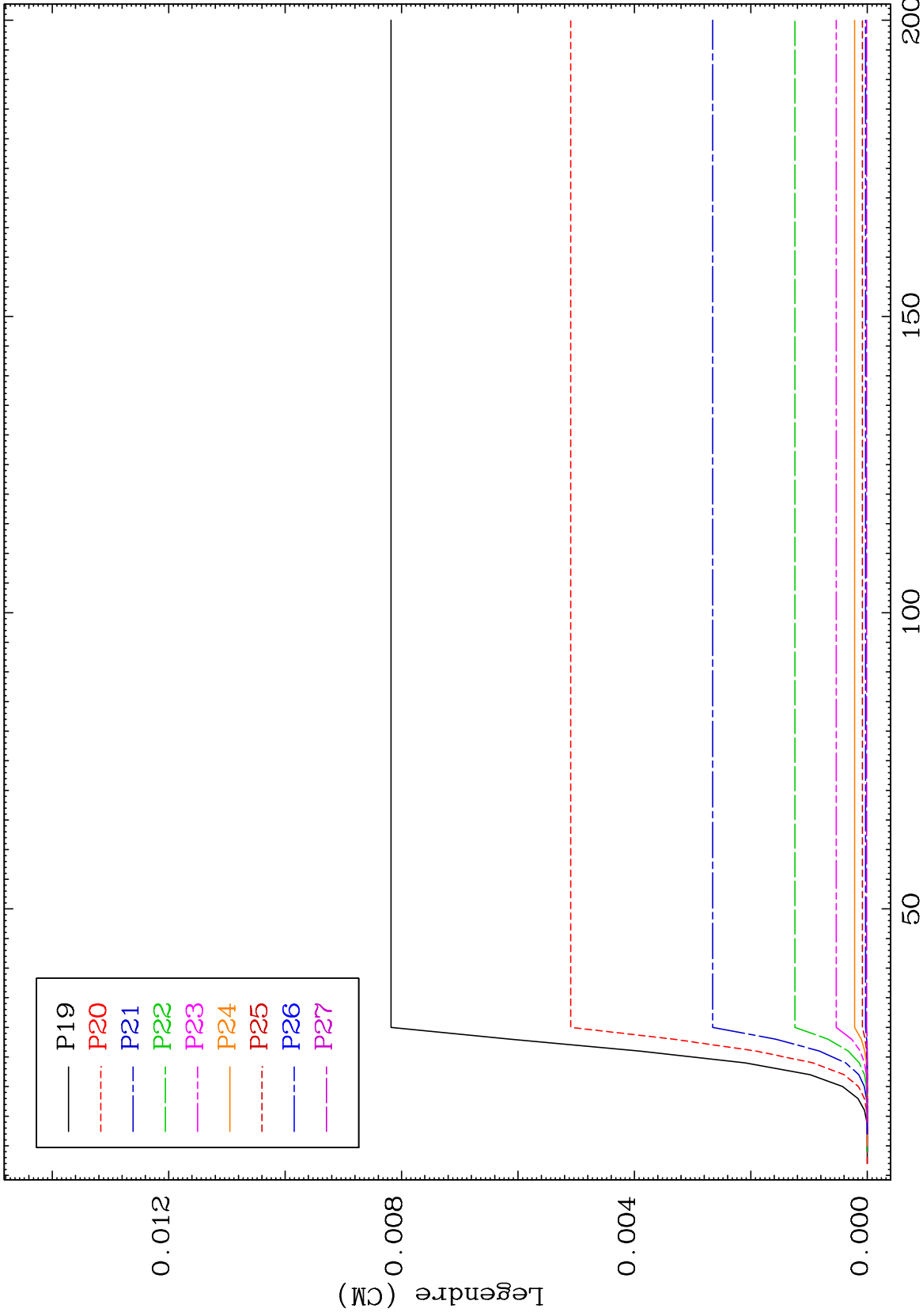
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



26

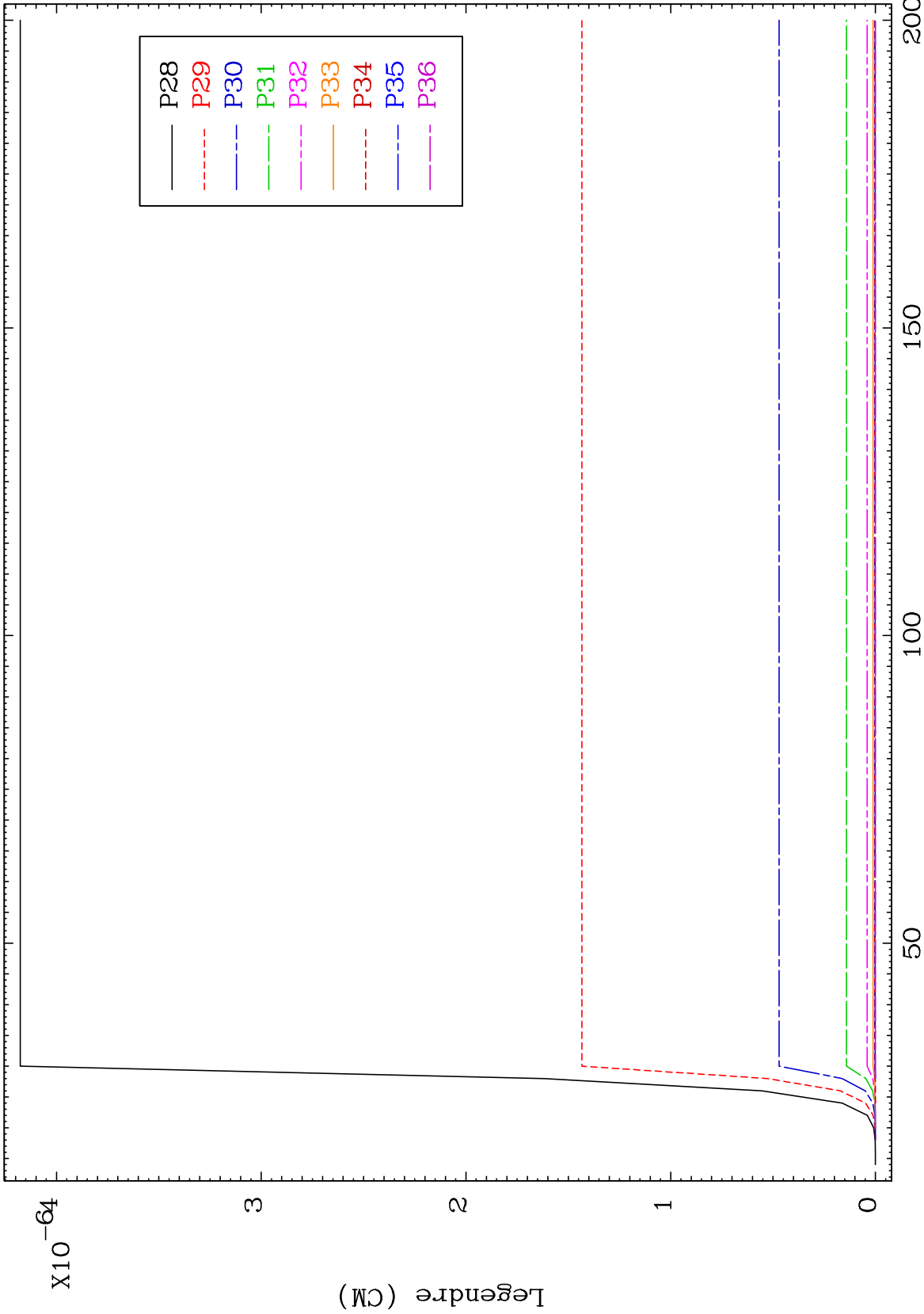
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



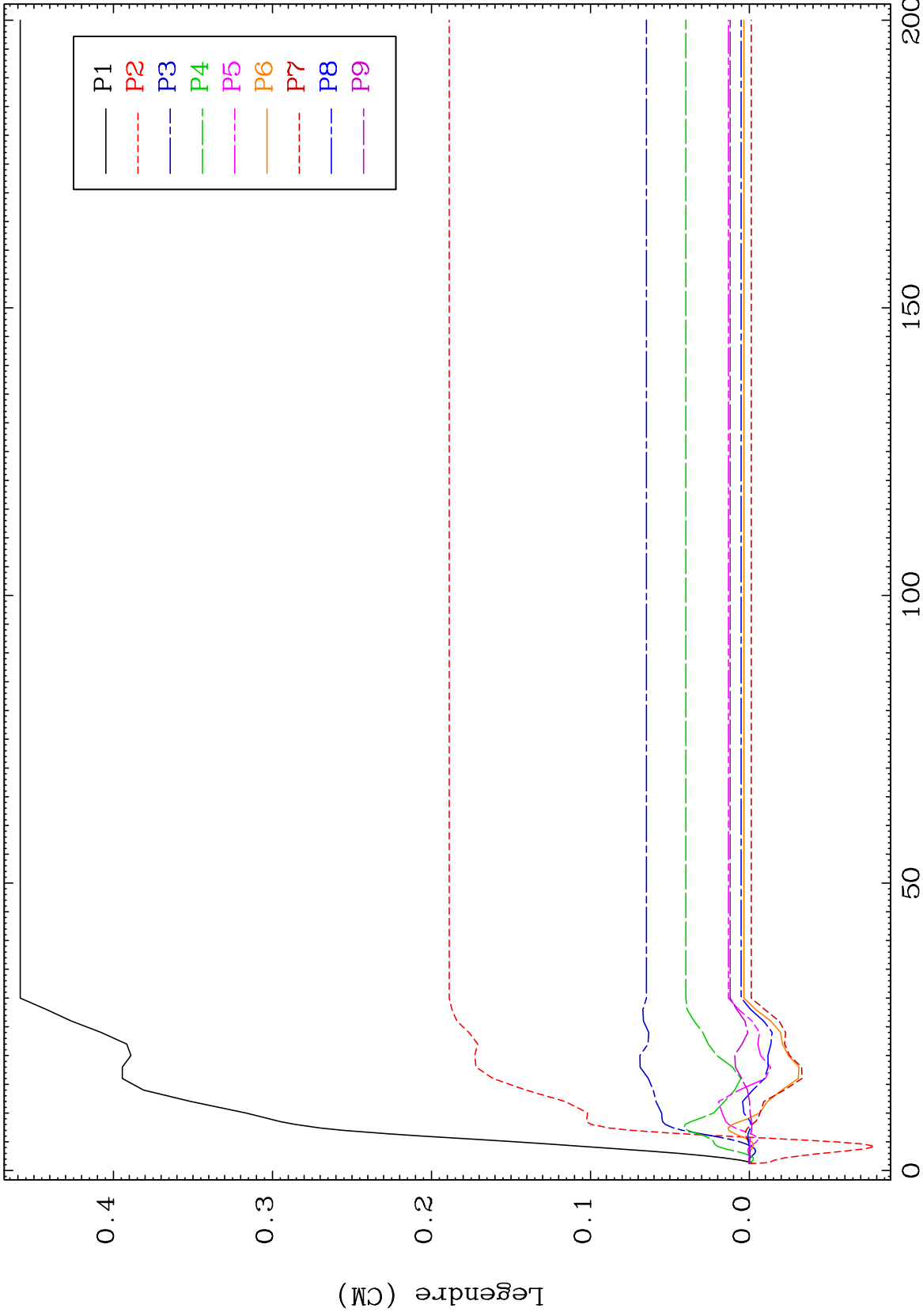
27

54-Xe-130

MAT 5443

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

54-Xe-130



28

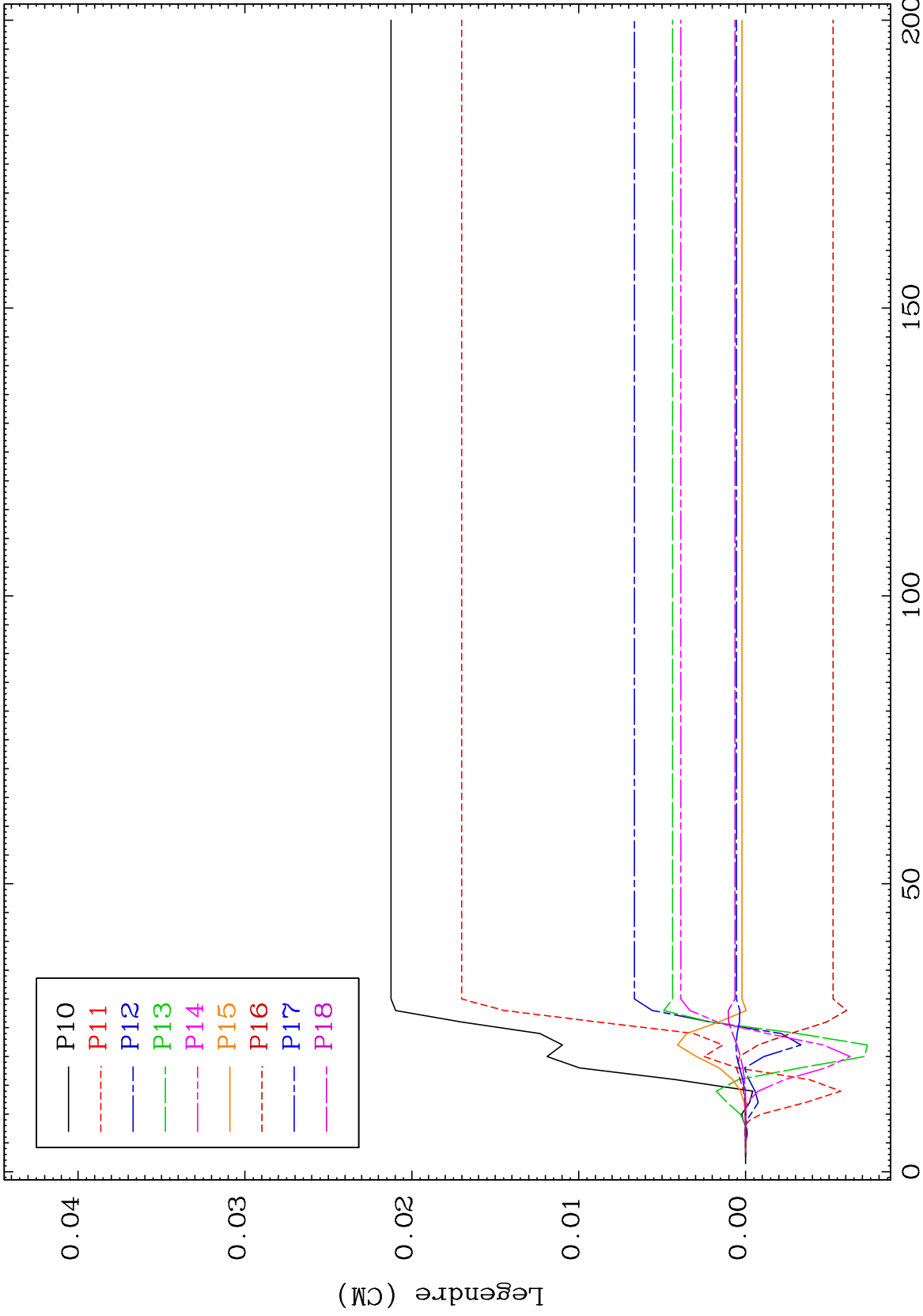
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



29

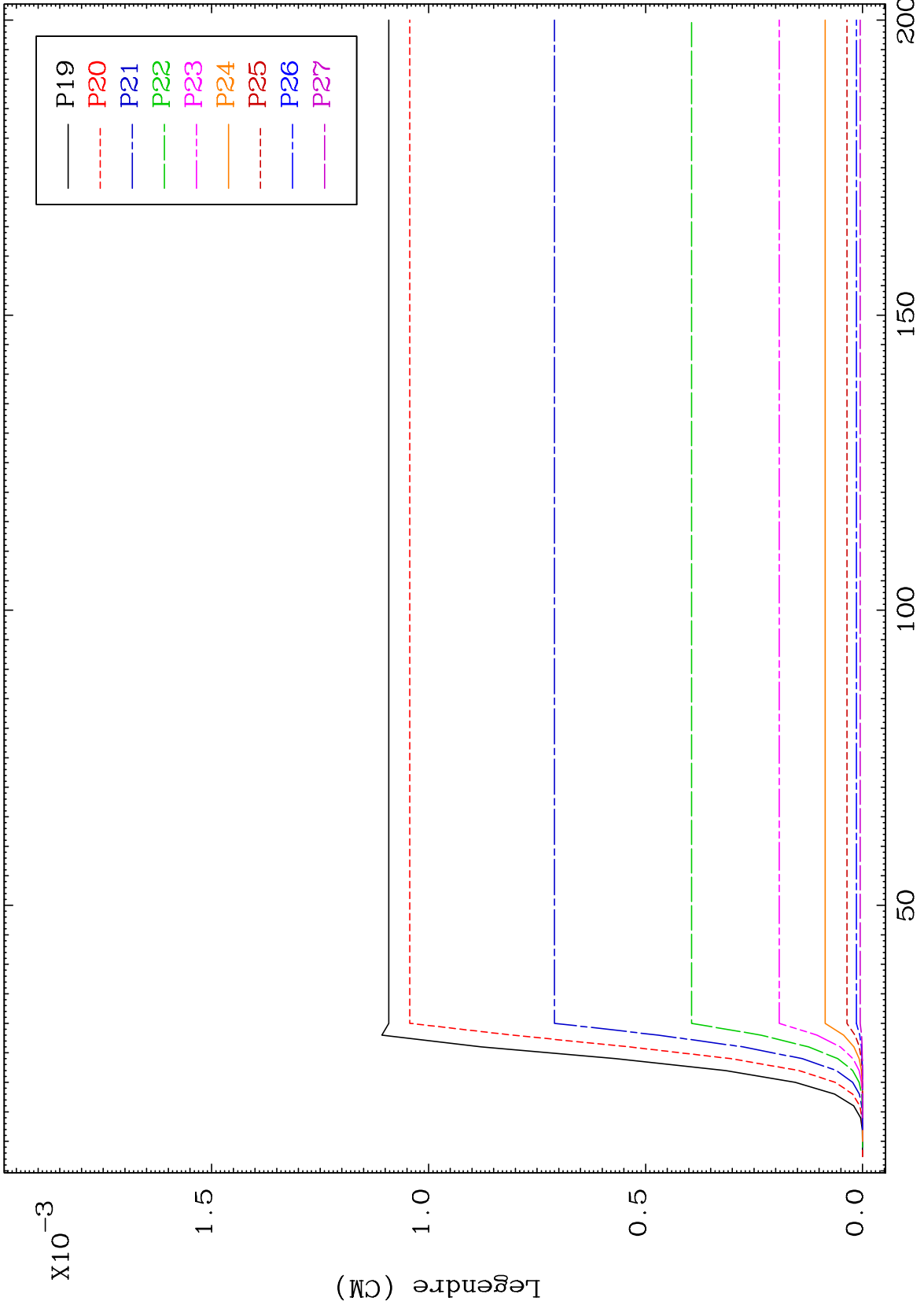
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



30

Incident Energy (MeV)

54-Xe-130

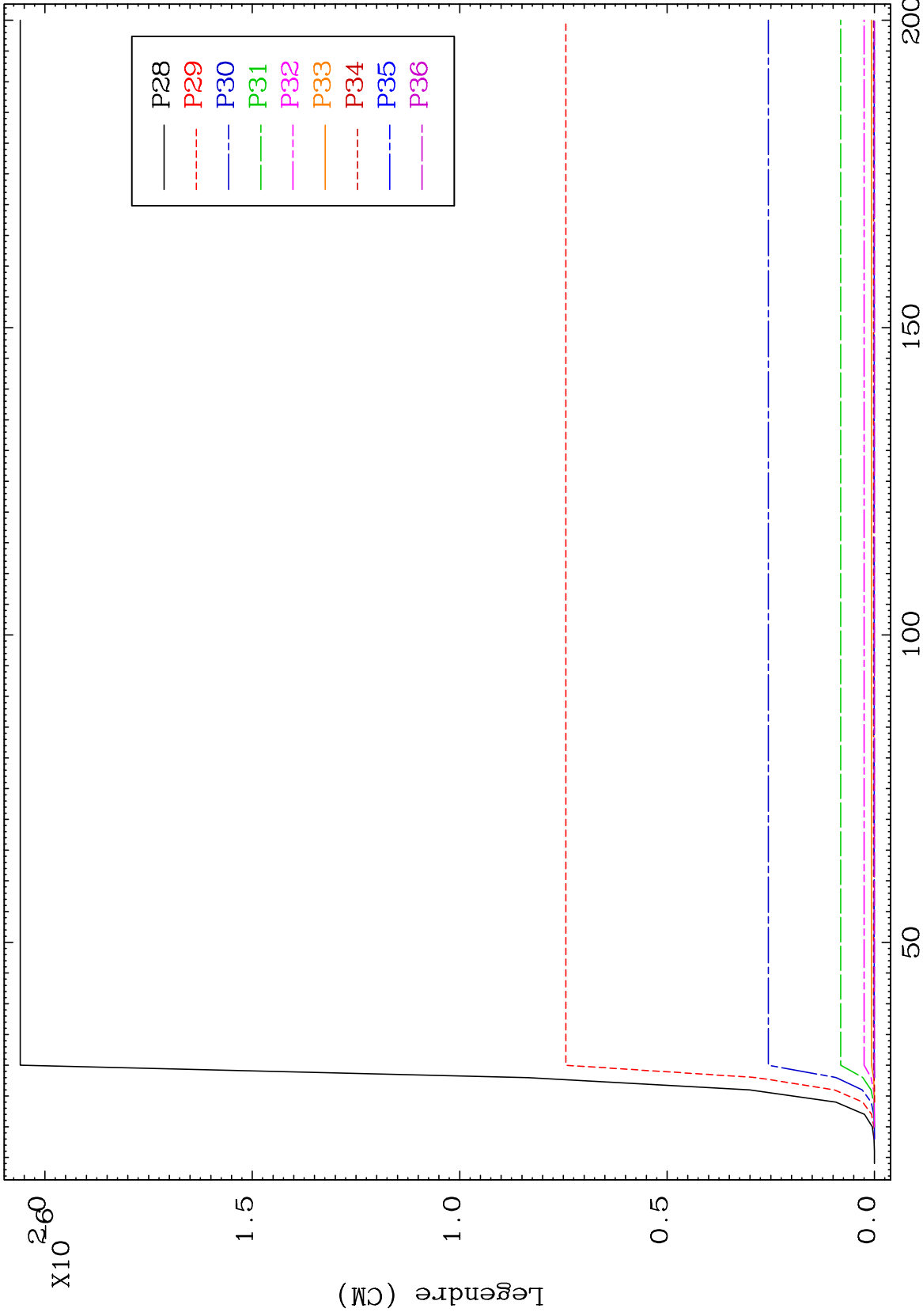
X10<sup>-3</sup>

Legendre (CM)

MAT 5443

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

54-Xe-130

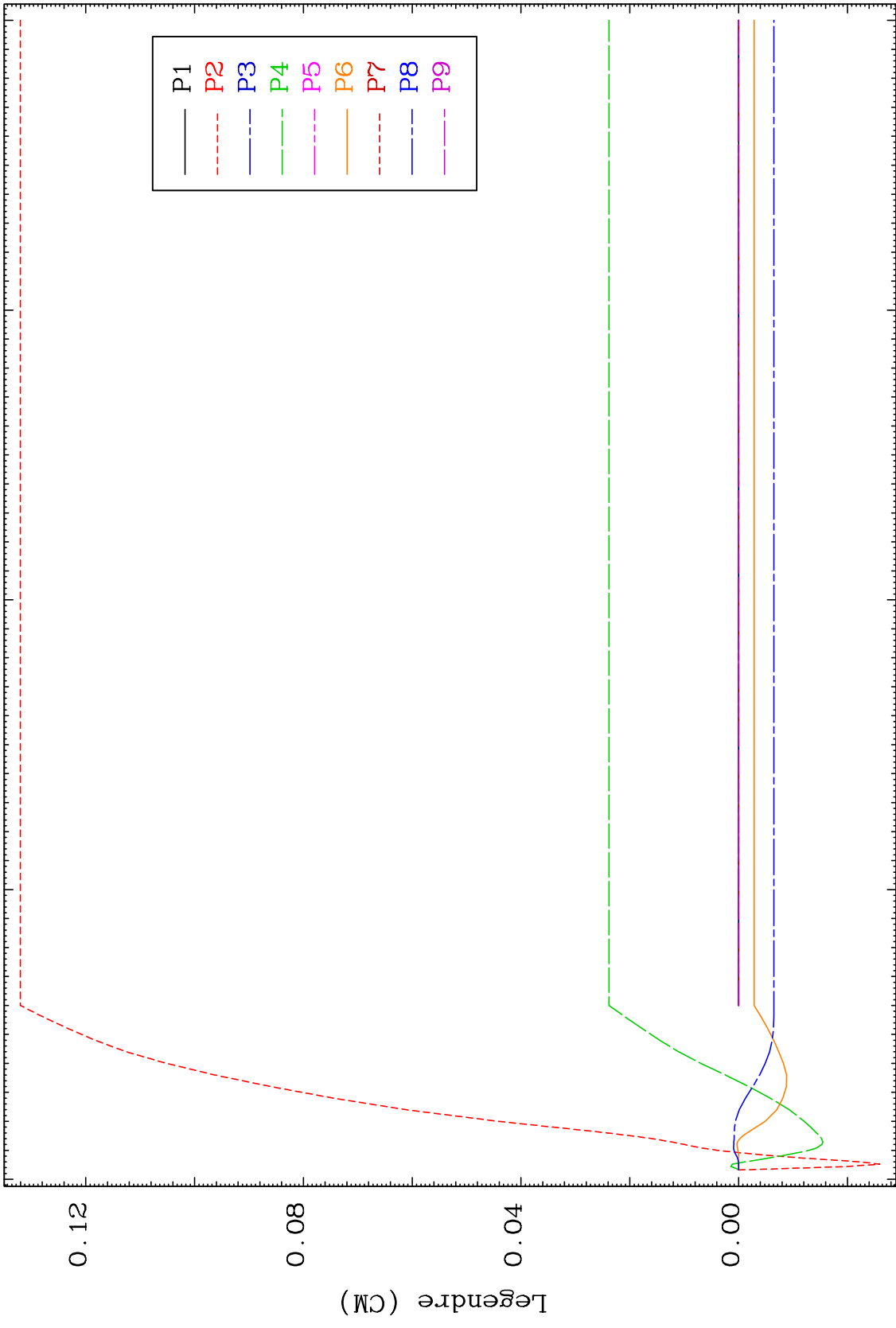


31

54-Xe-130



MAT 5443 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-130

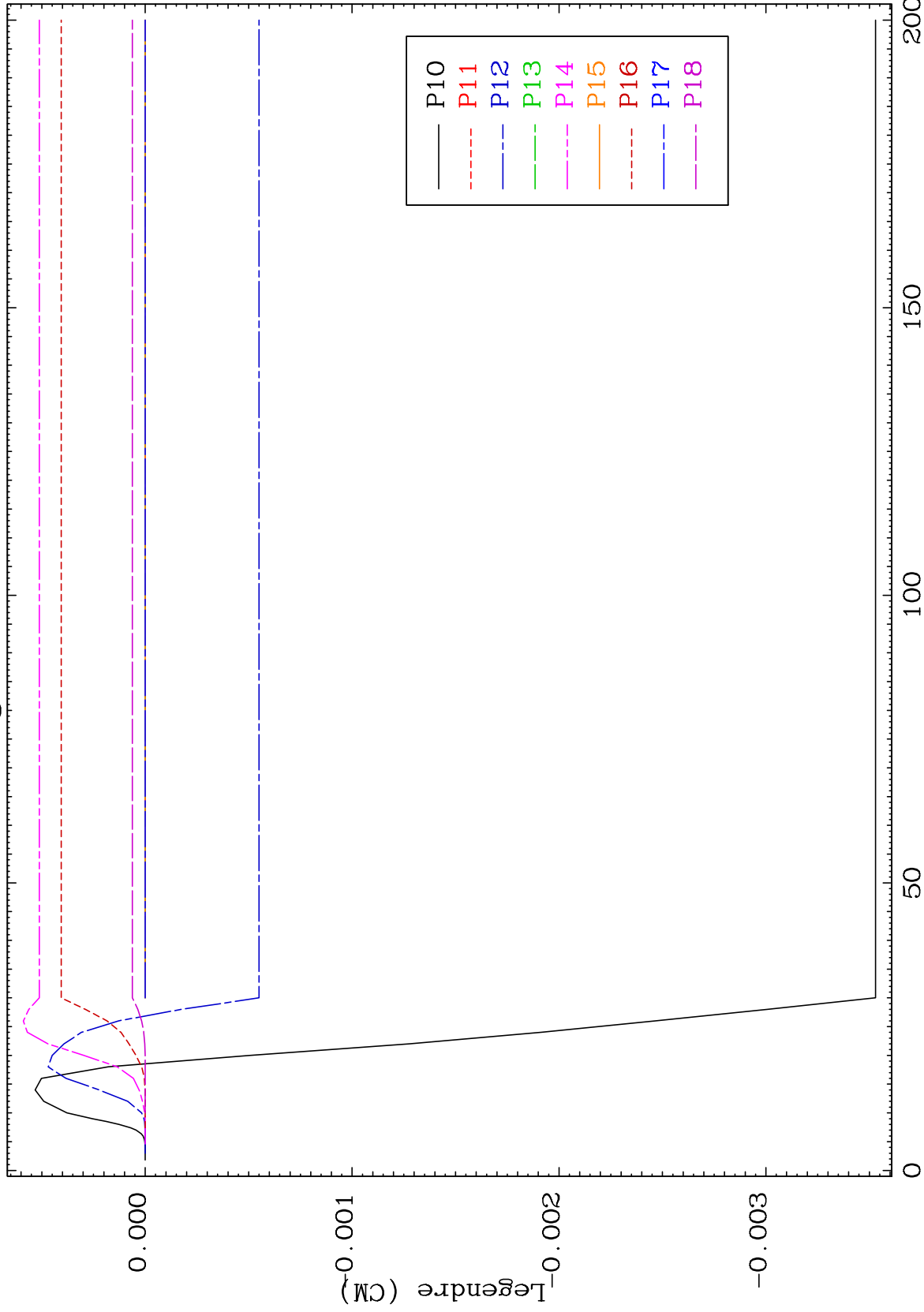


32 Incident Energy (MeV) 54-Xe-130

MAT 5443

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

54-Xe-130



33

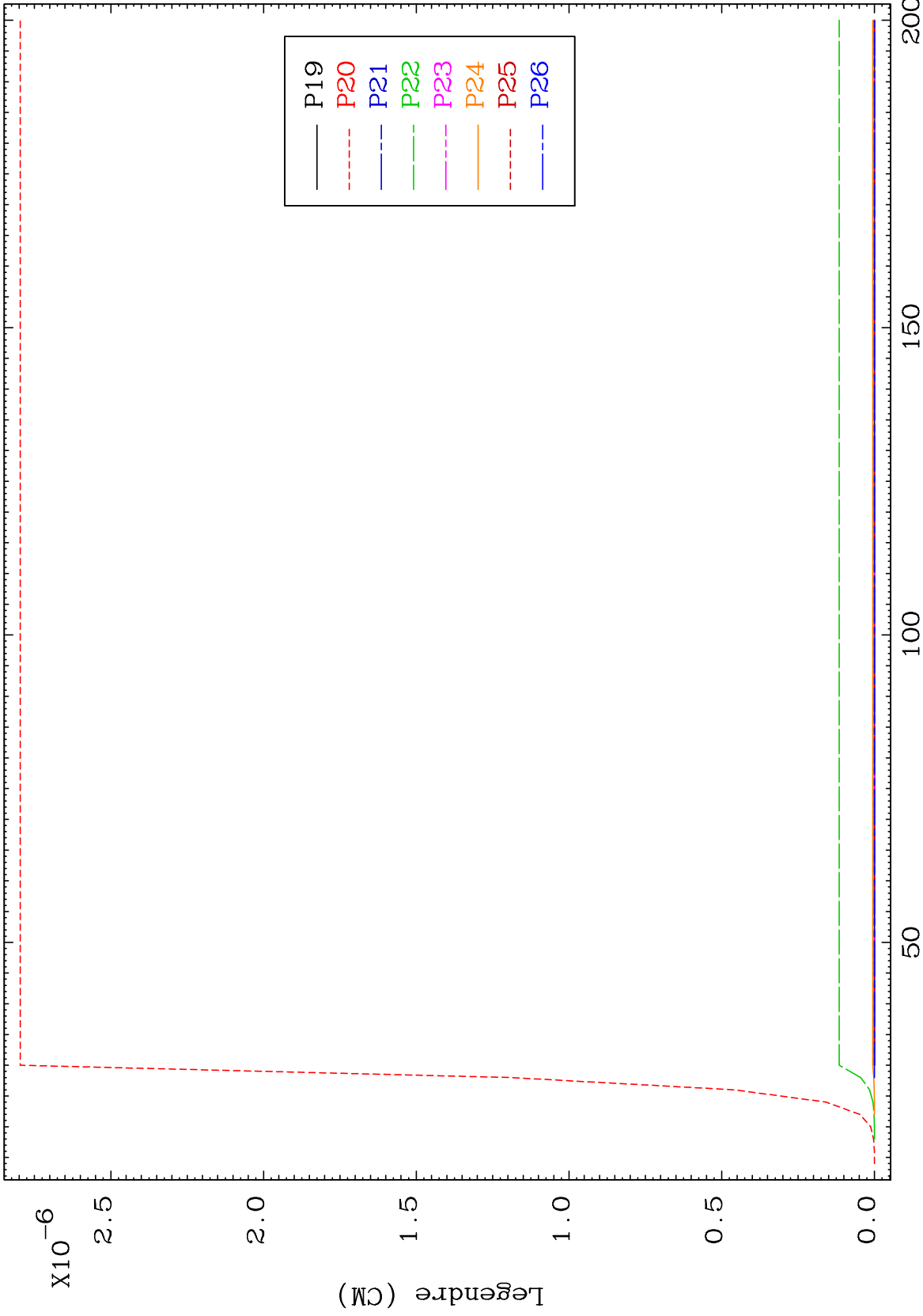
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130

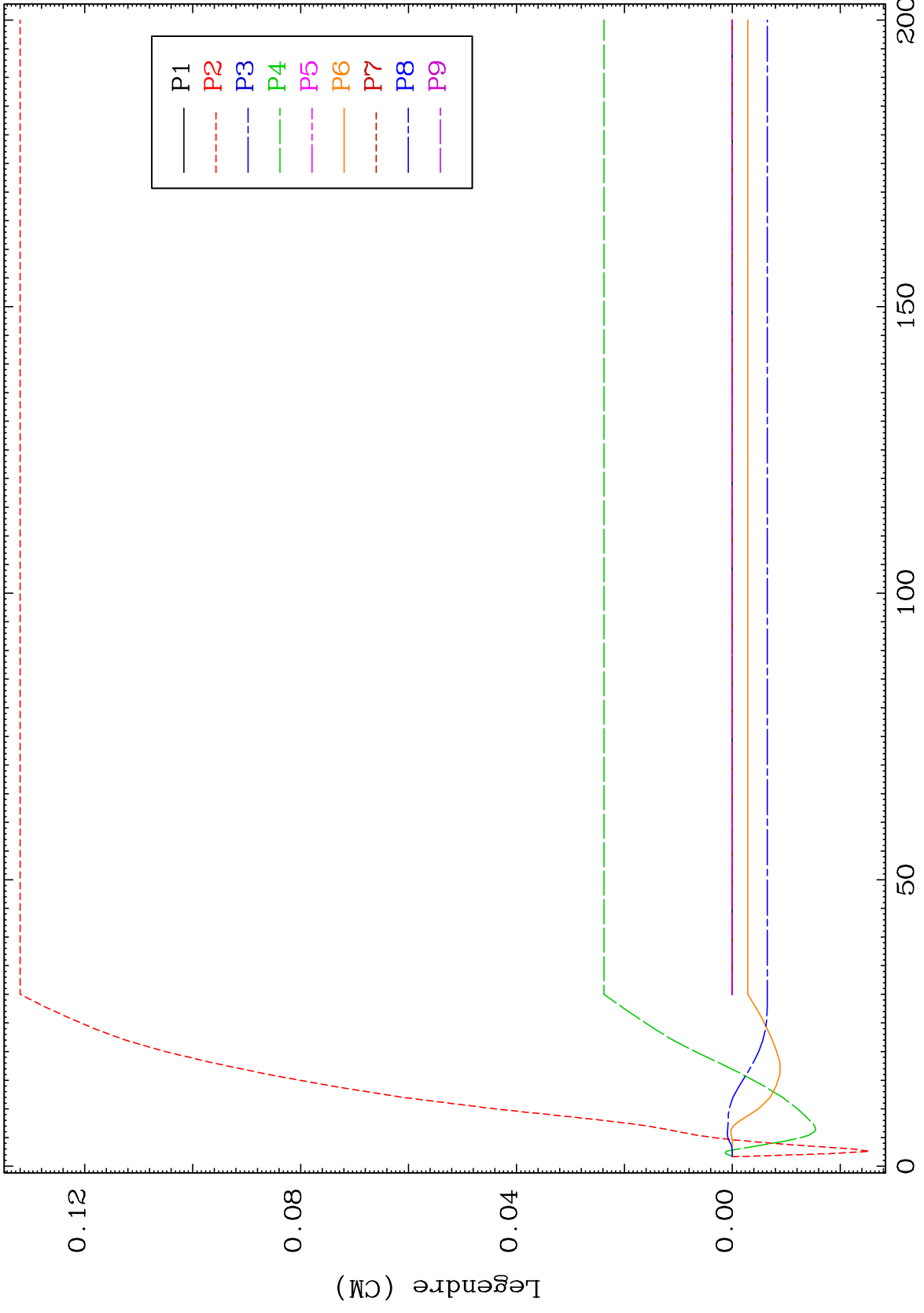


34

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 55 (n,n') Level Legendre Coefficients 54-Xe-130

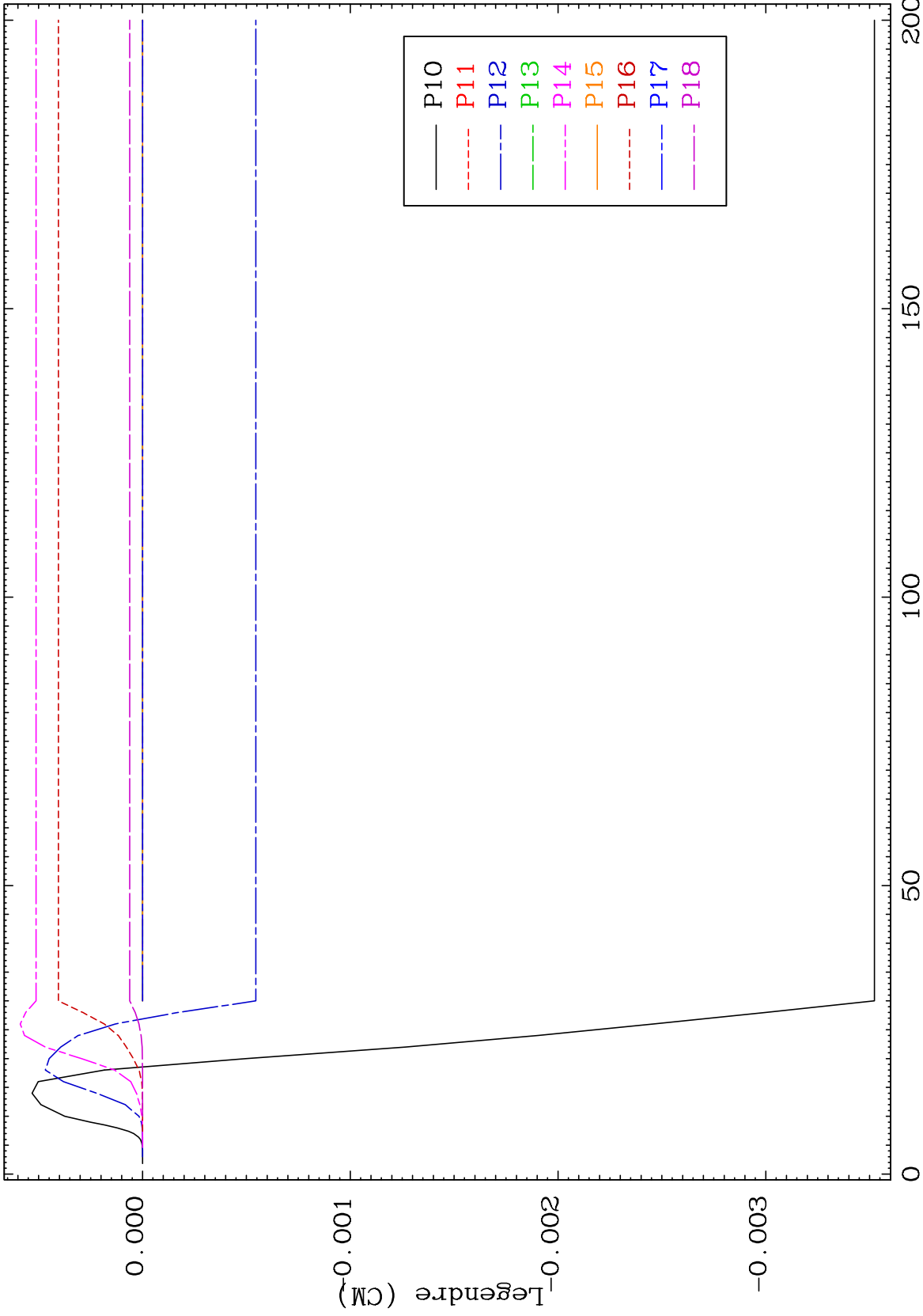


54-Xe-130

MAT 5443

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

54-Xe-130



36

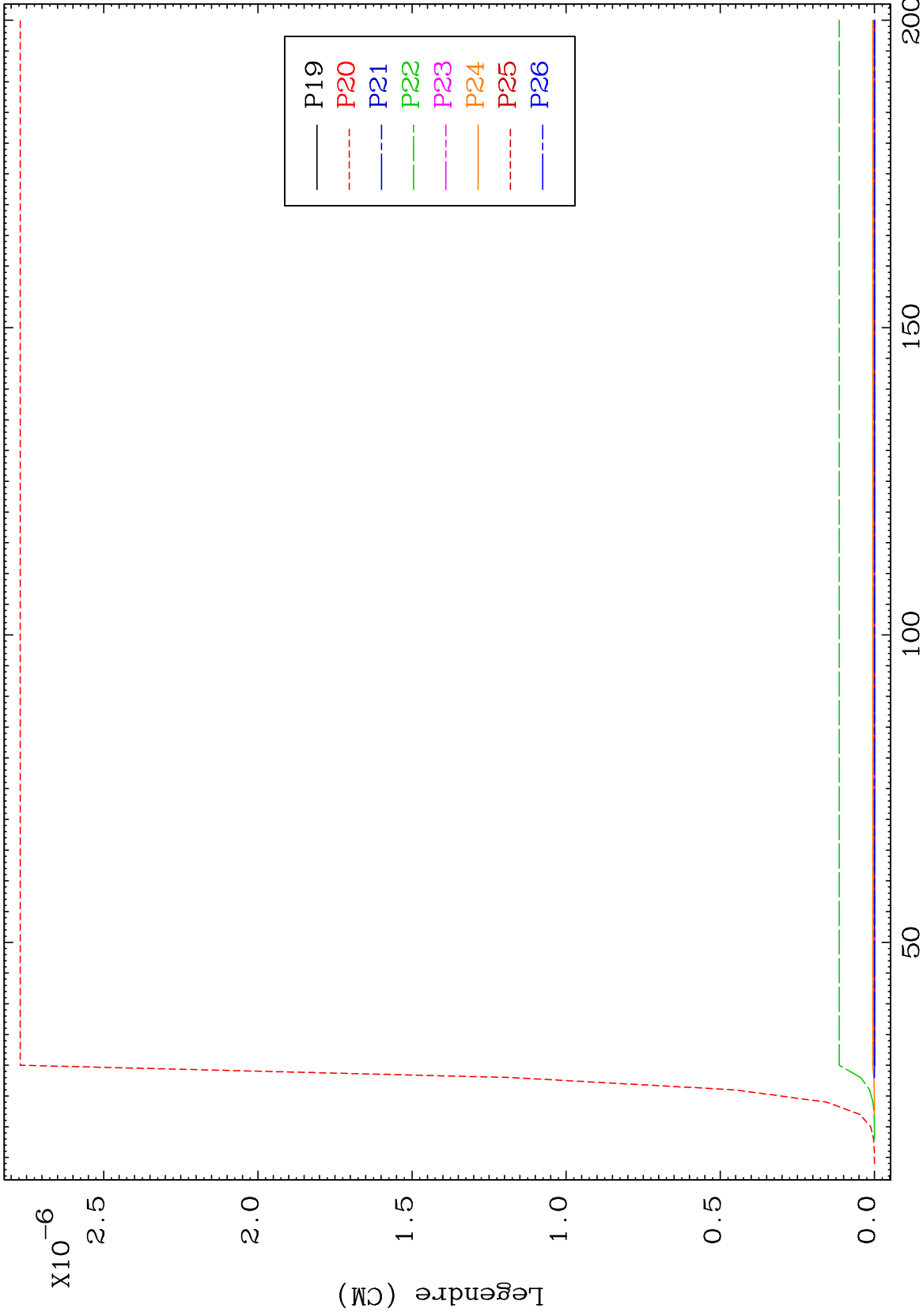
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



37

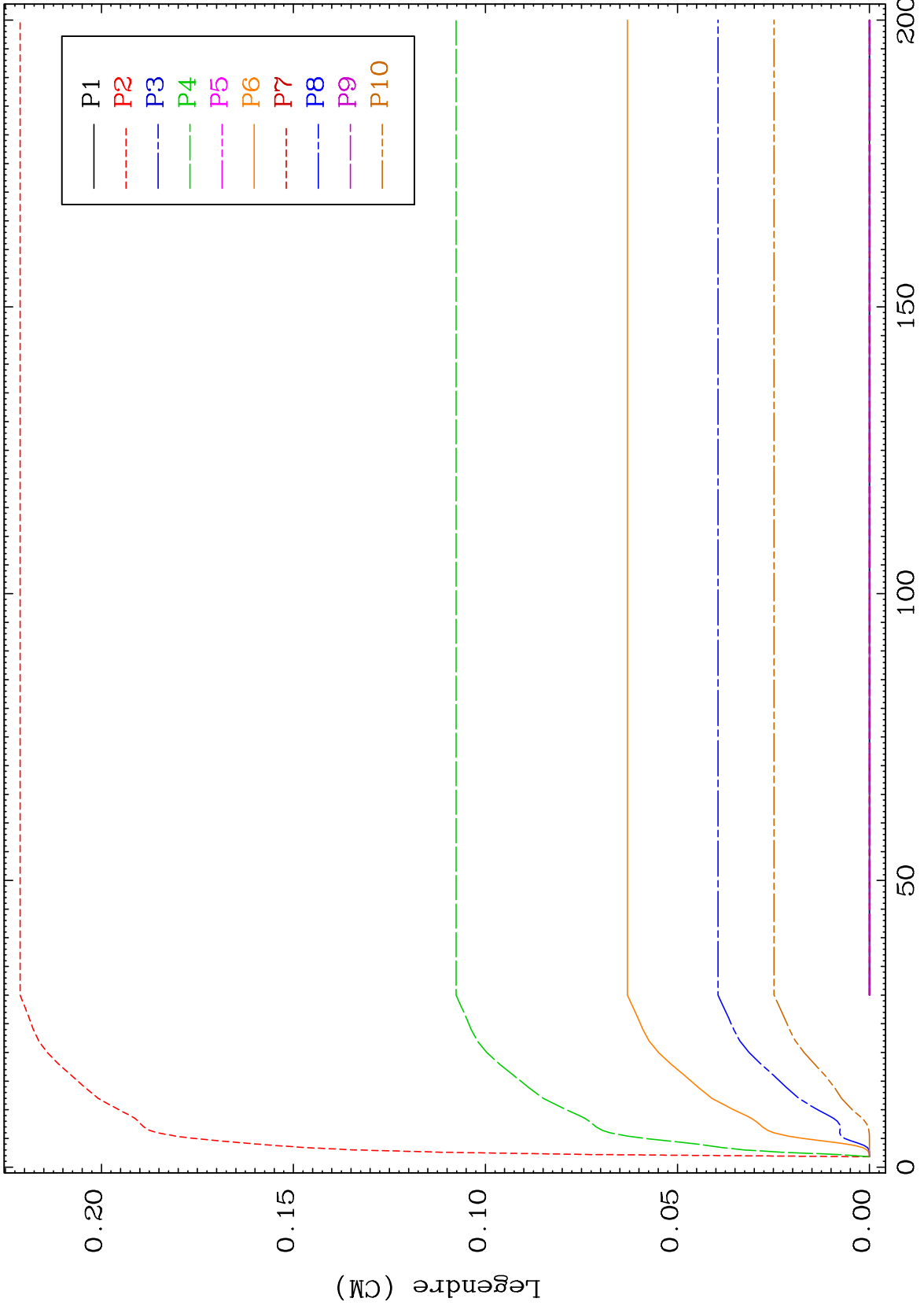
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130

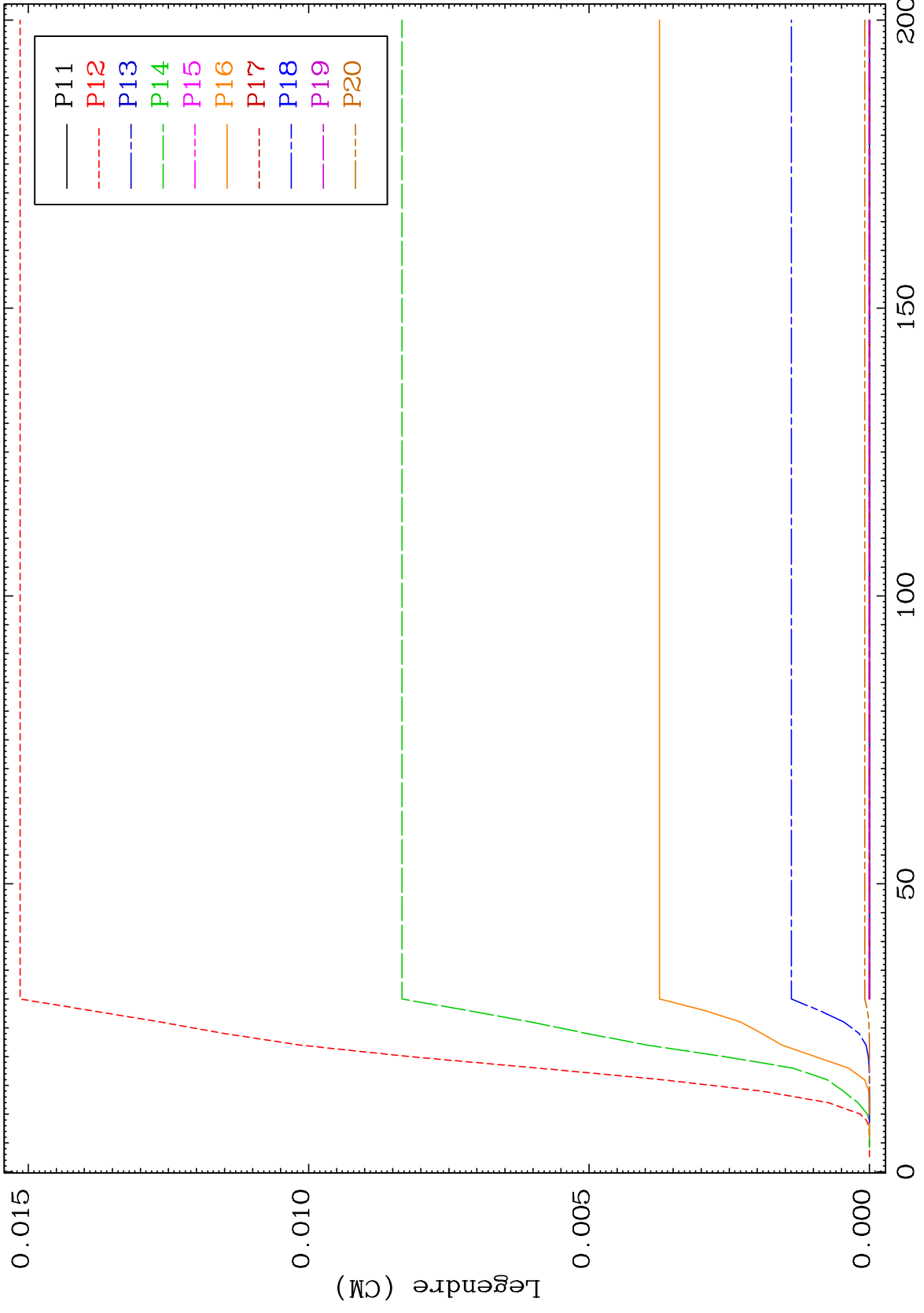


38

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 56 (n,n') Level Legendre Coefficients 54-Xe-130



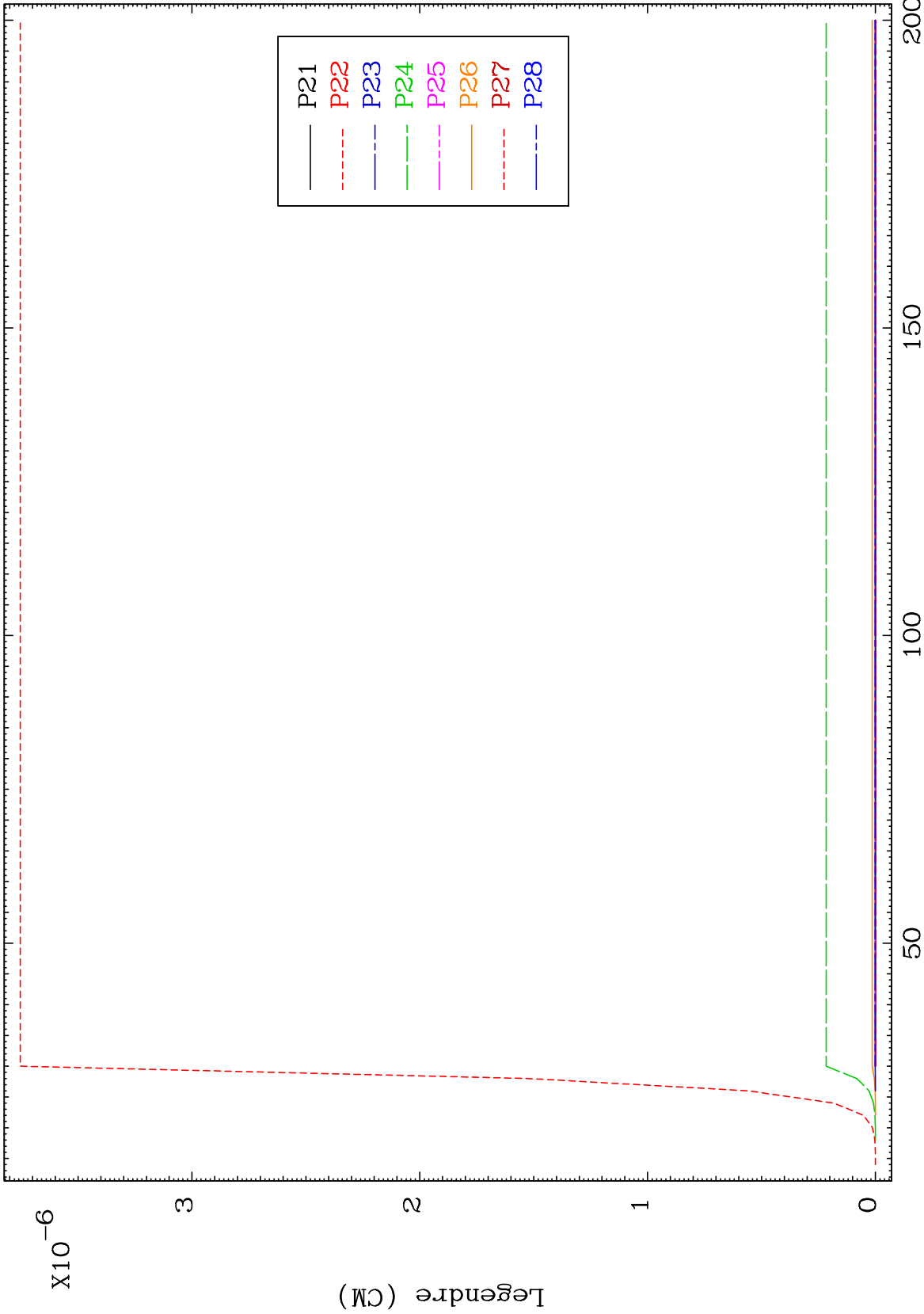
39 54-Xe-130



MAT 5443

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

54-Xe-130



40

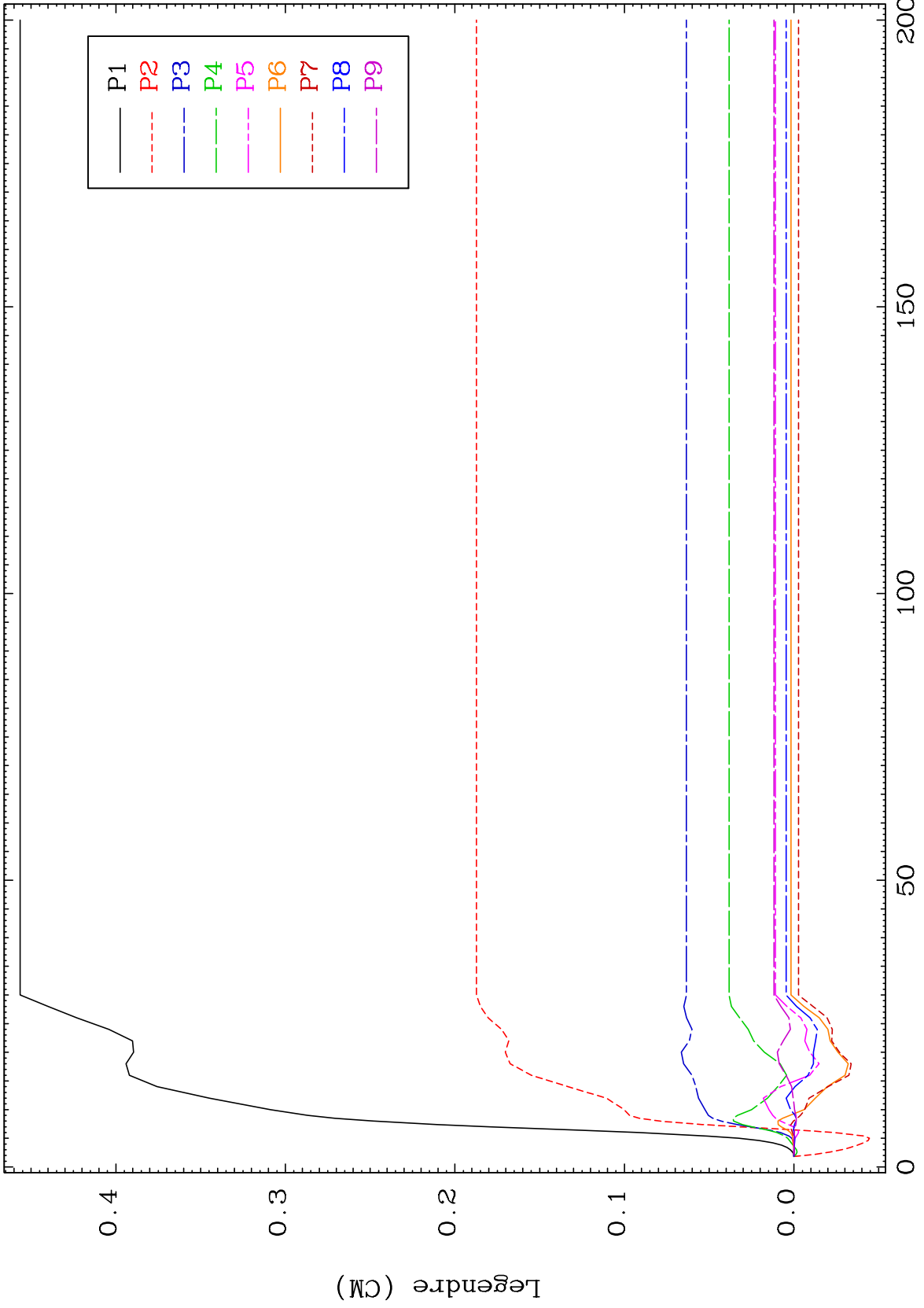
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



41

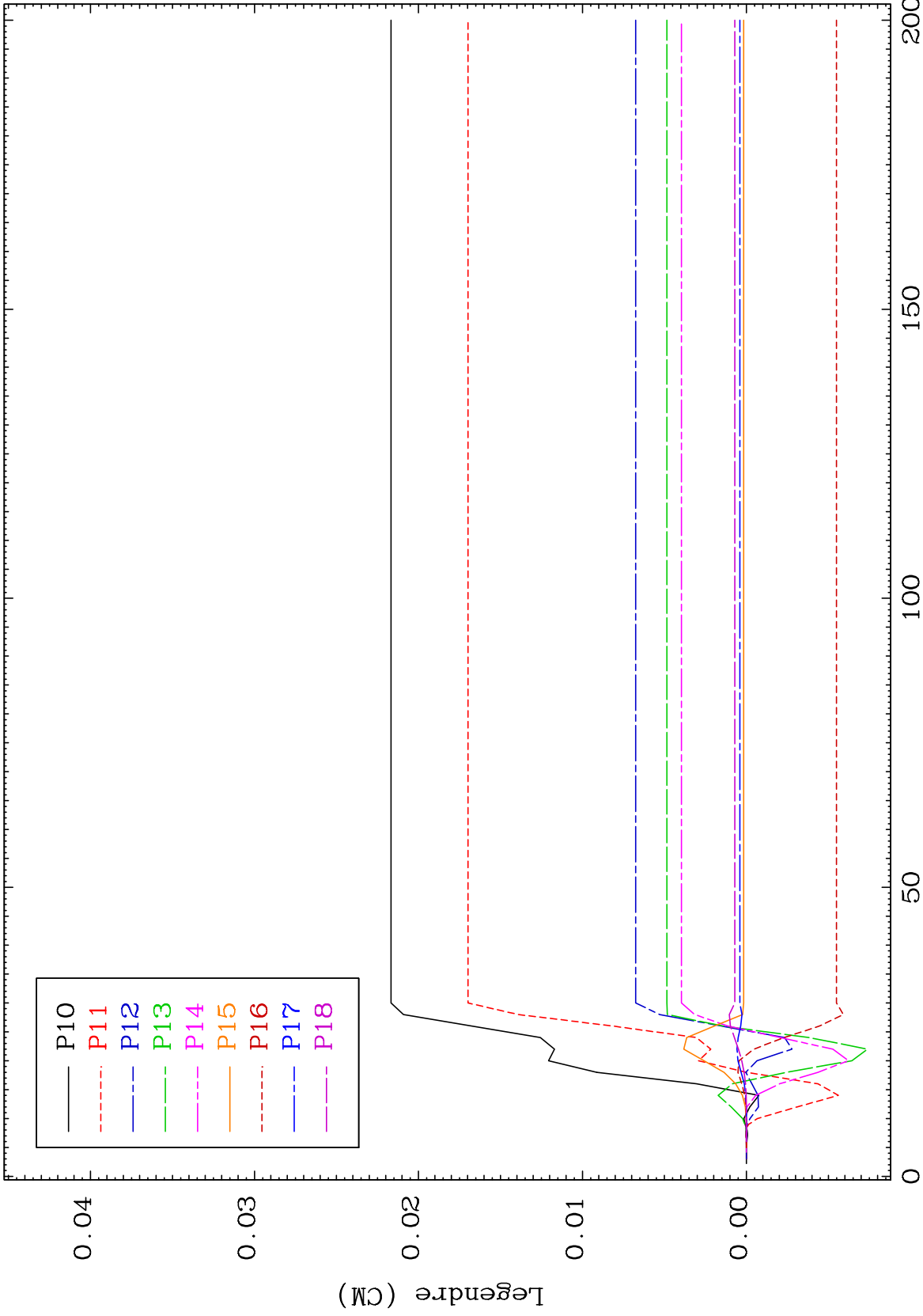
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



42

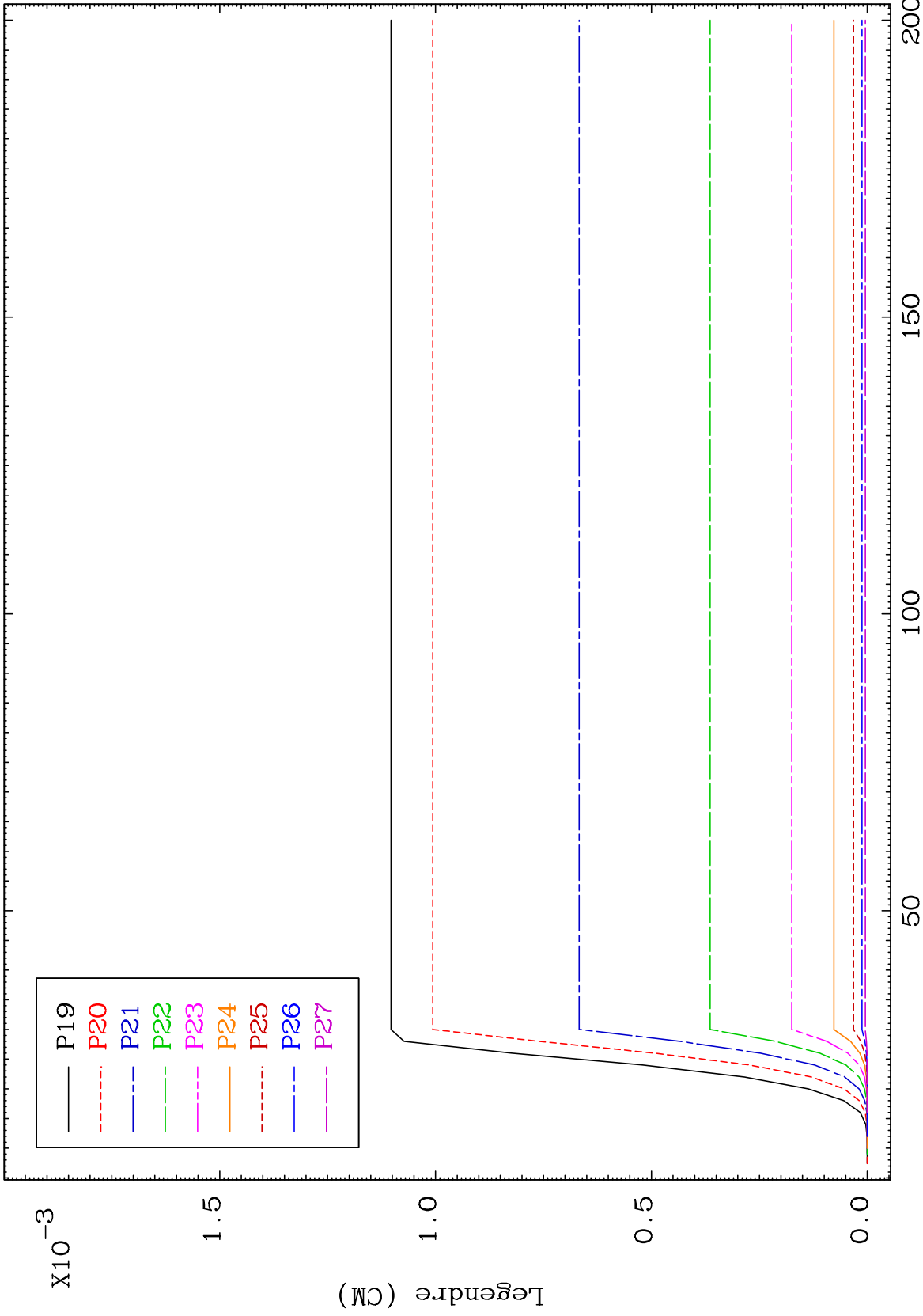
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



43

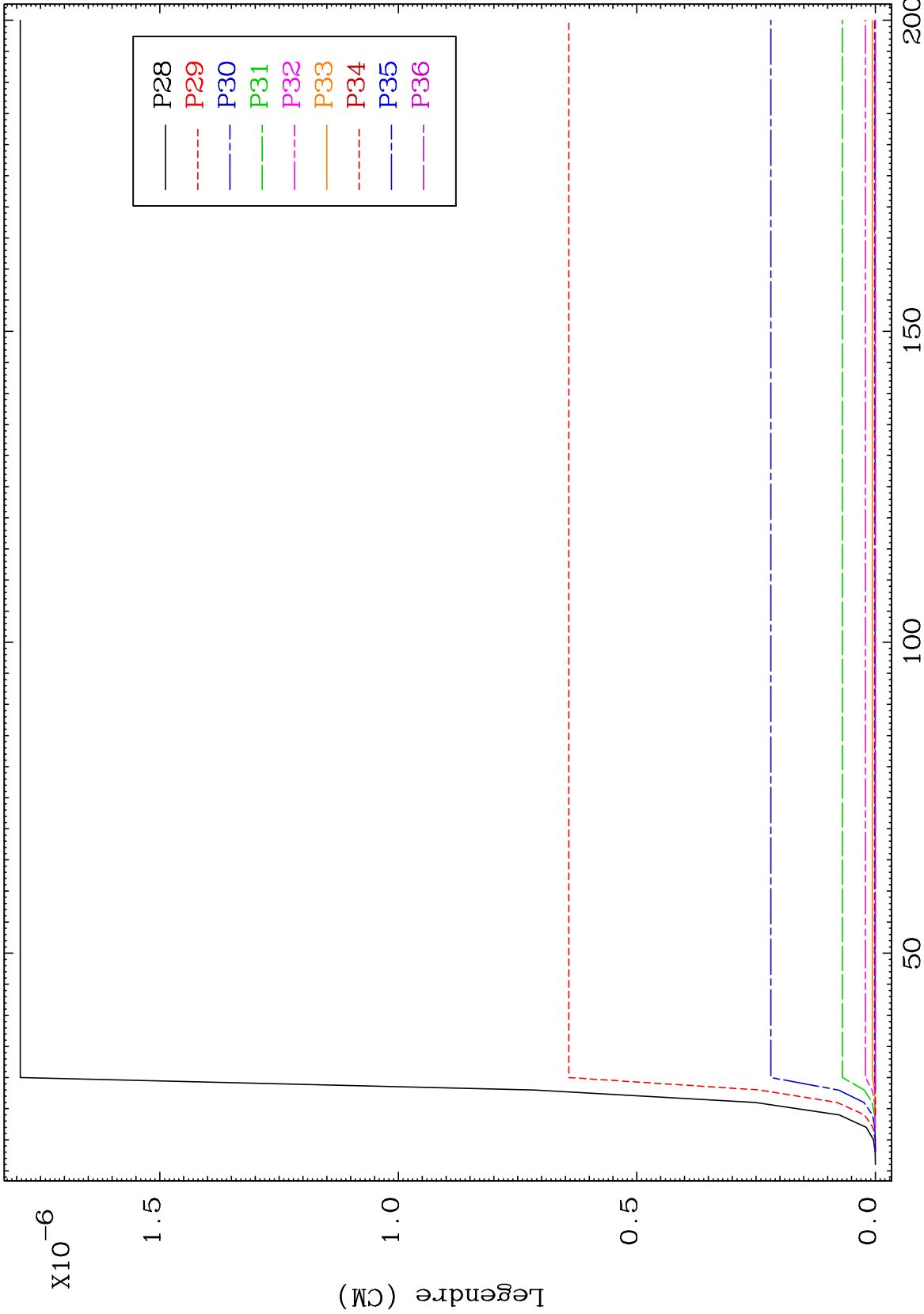
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



44

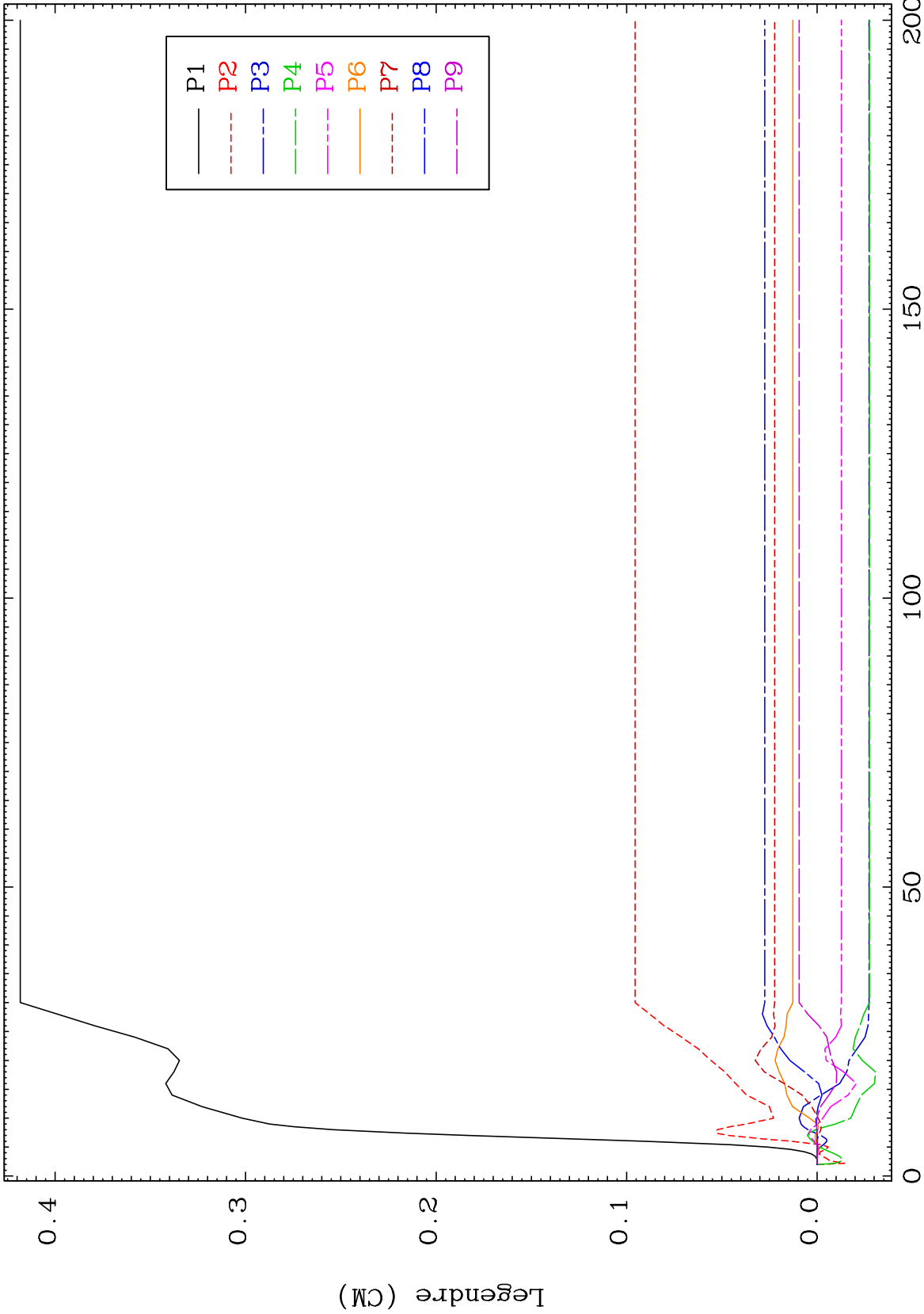
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



45

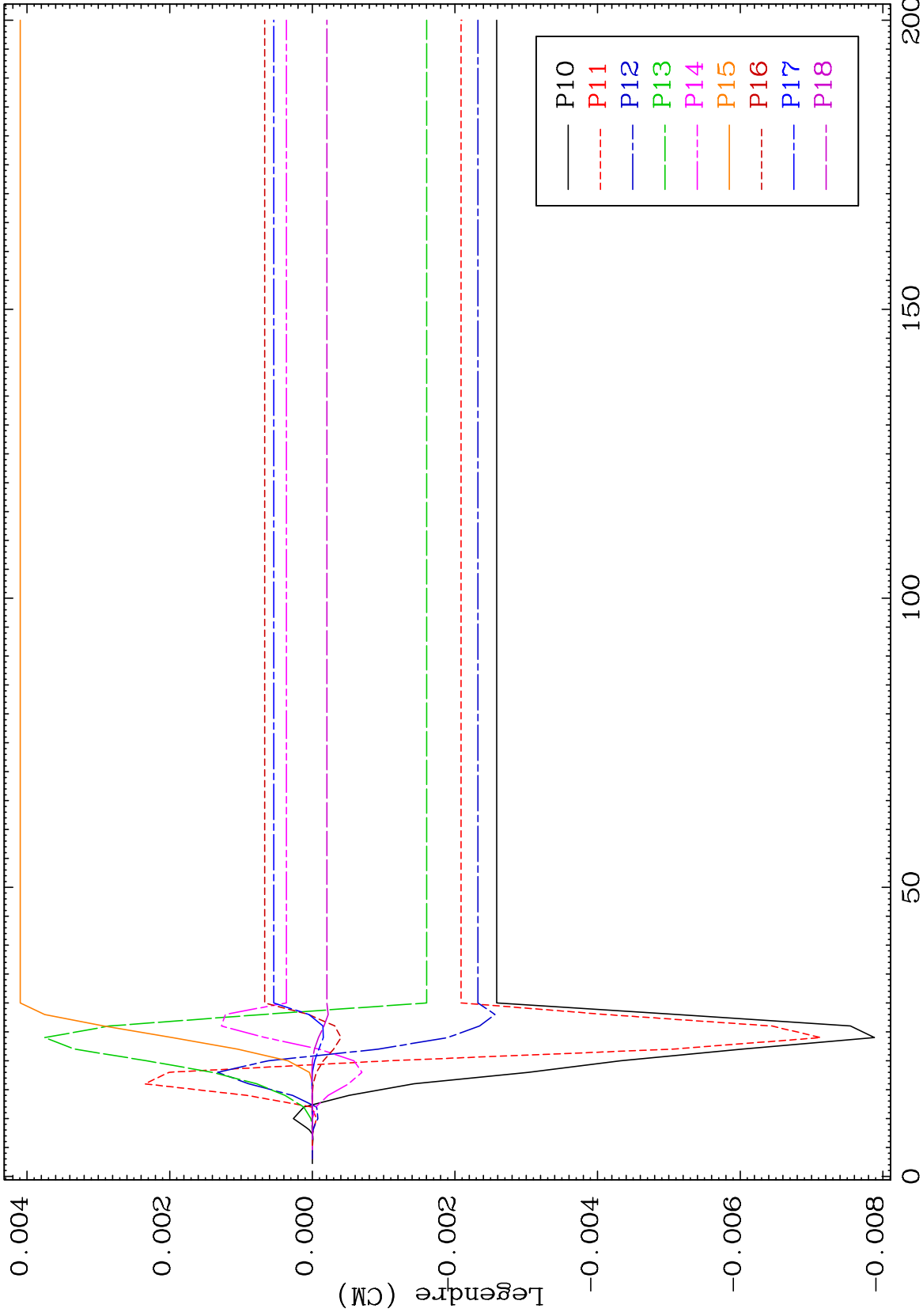
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



46

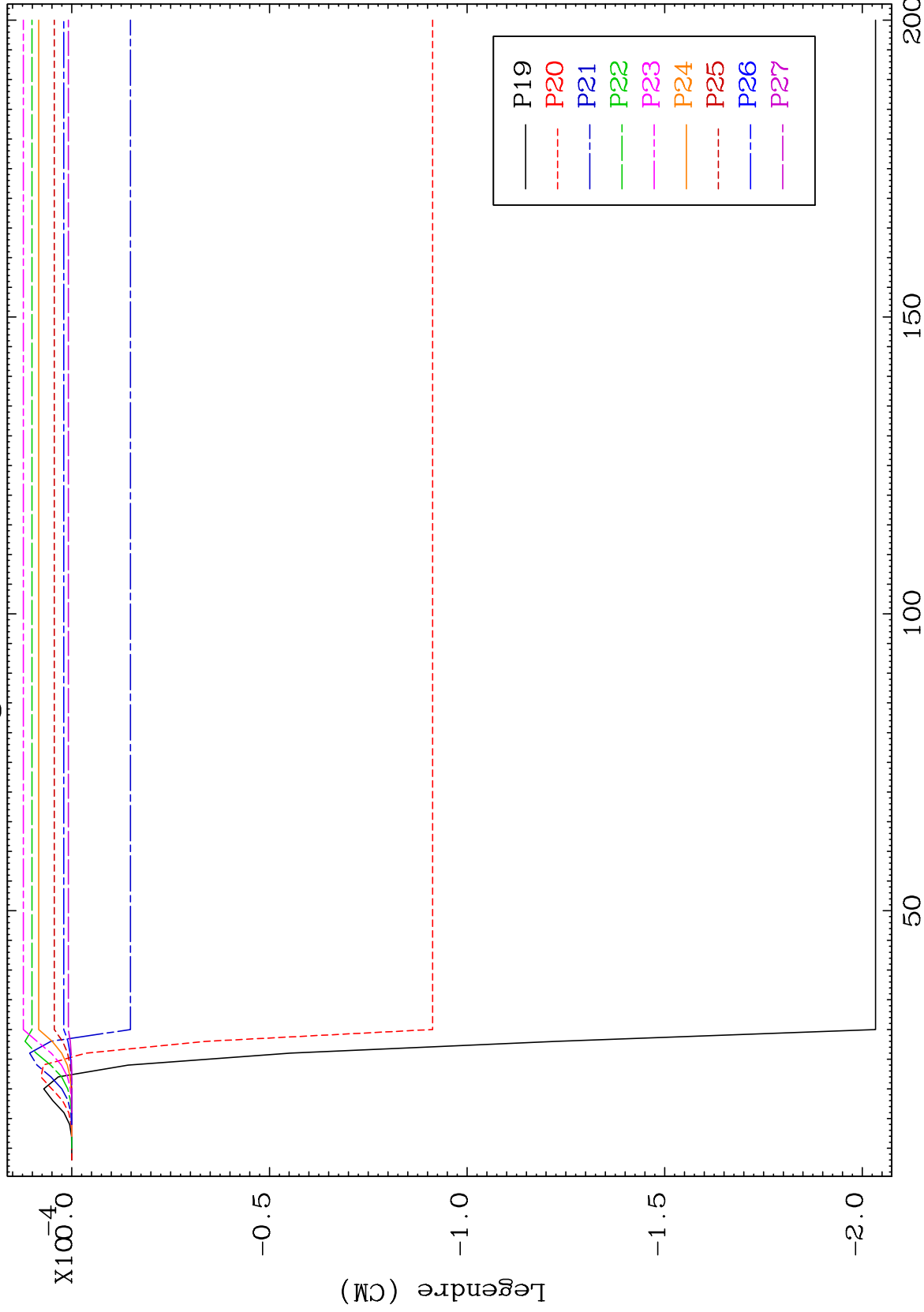
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



47

Incident Energy (MeV)

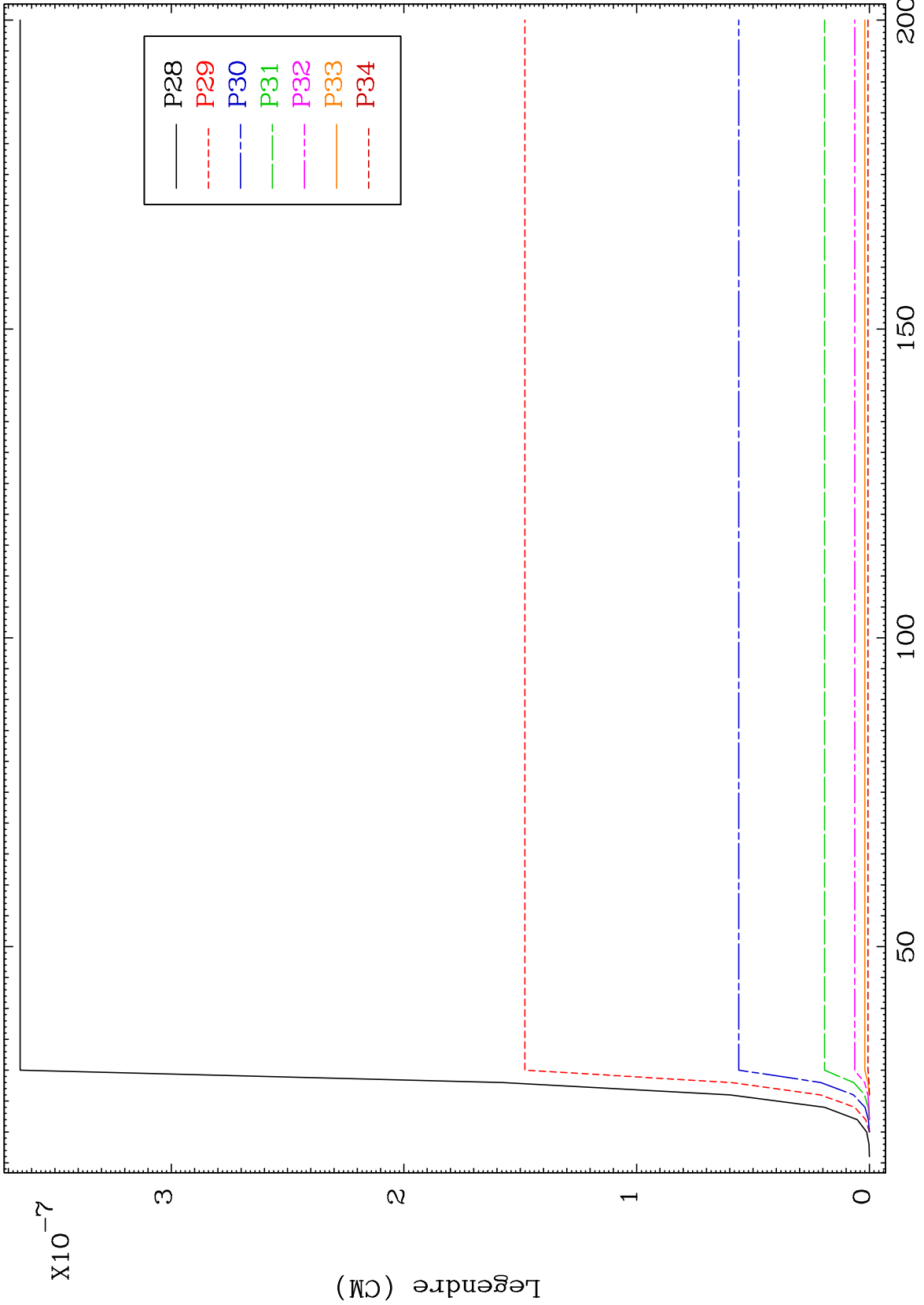
54-Xe-130



MAT 5443

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

54-Xe-130



48

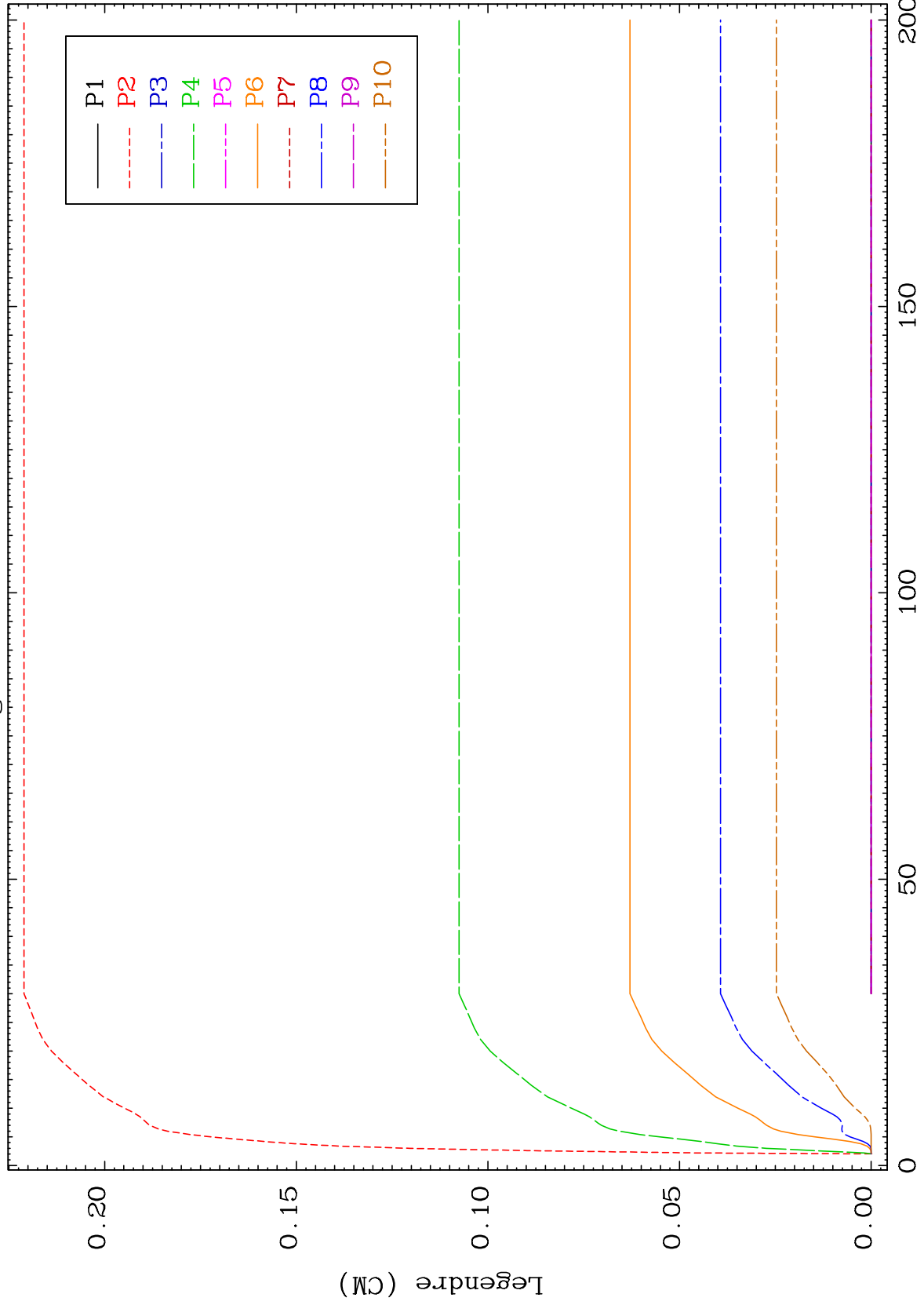
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130

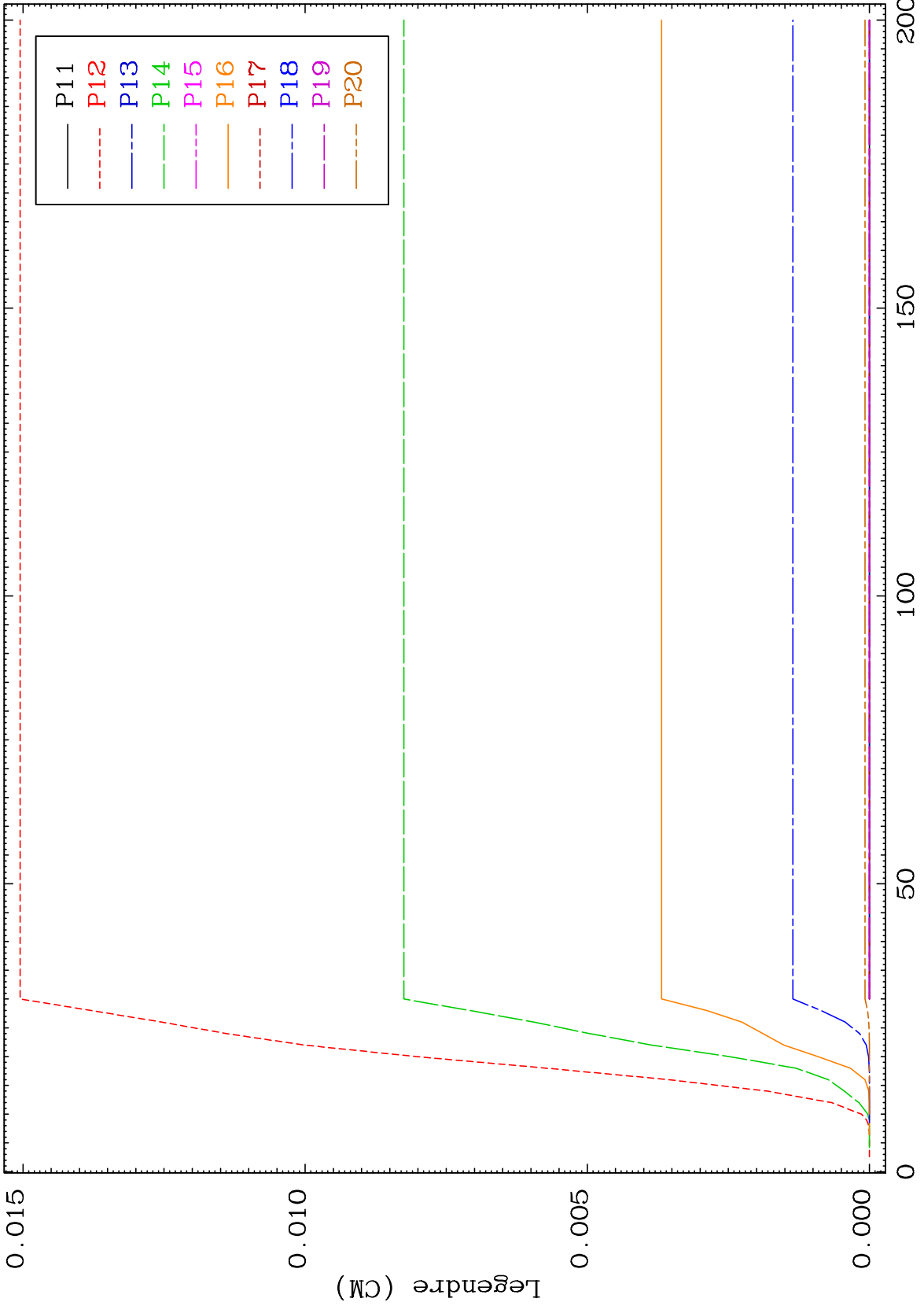


49

Incident Energy (MeV)

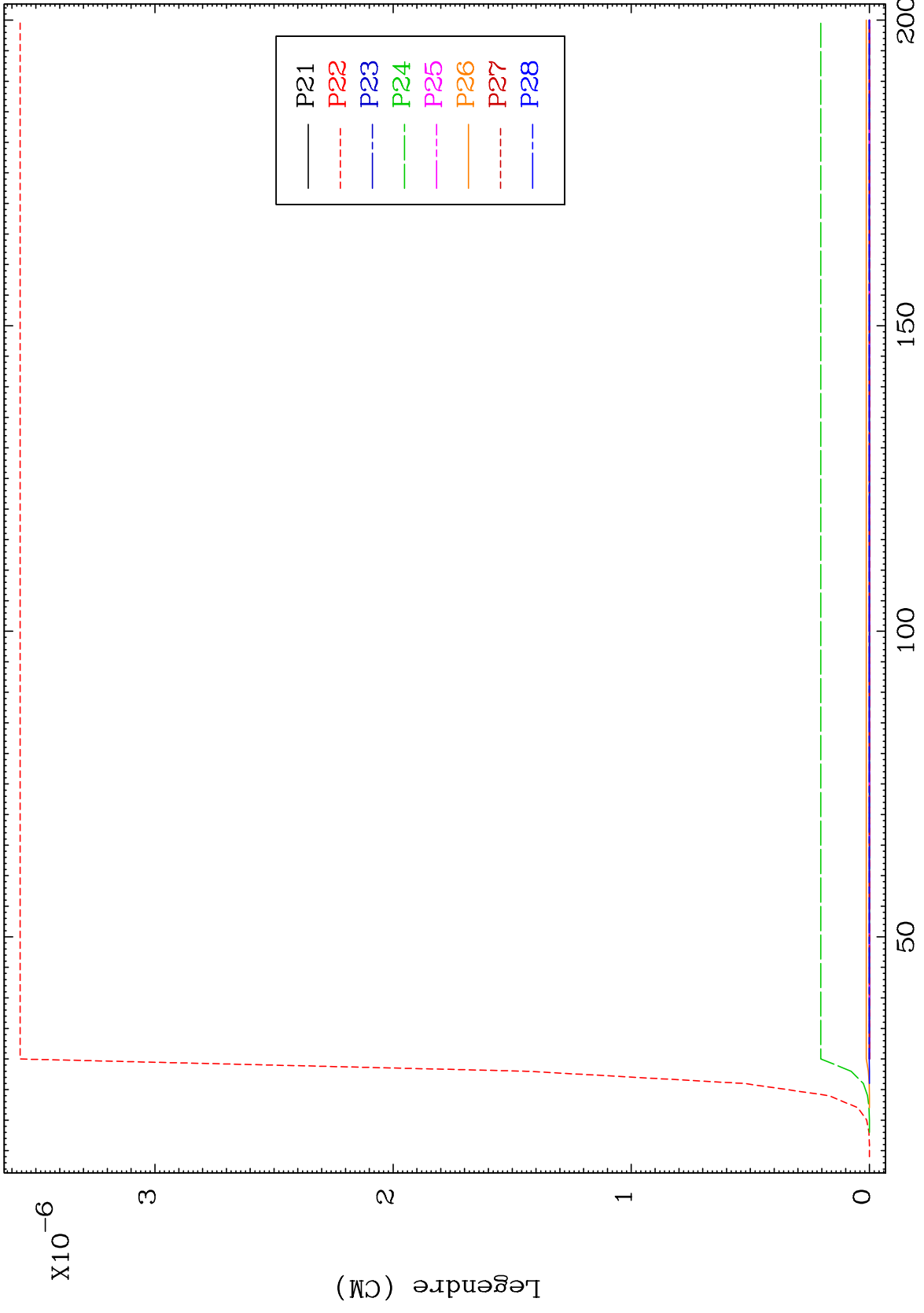
54-Xe-130

MAT 5443 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-130



54-Xe-130

MAT 5443 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-130

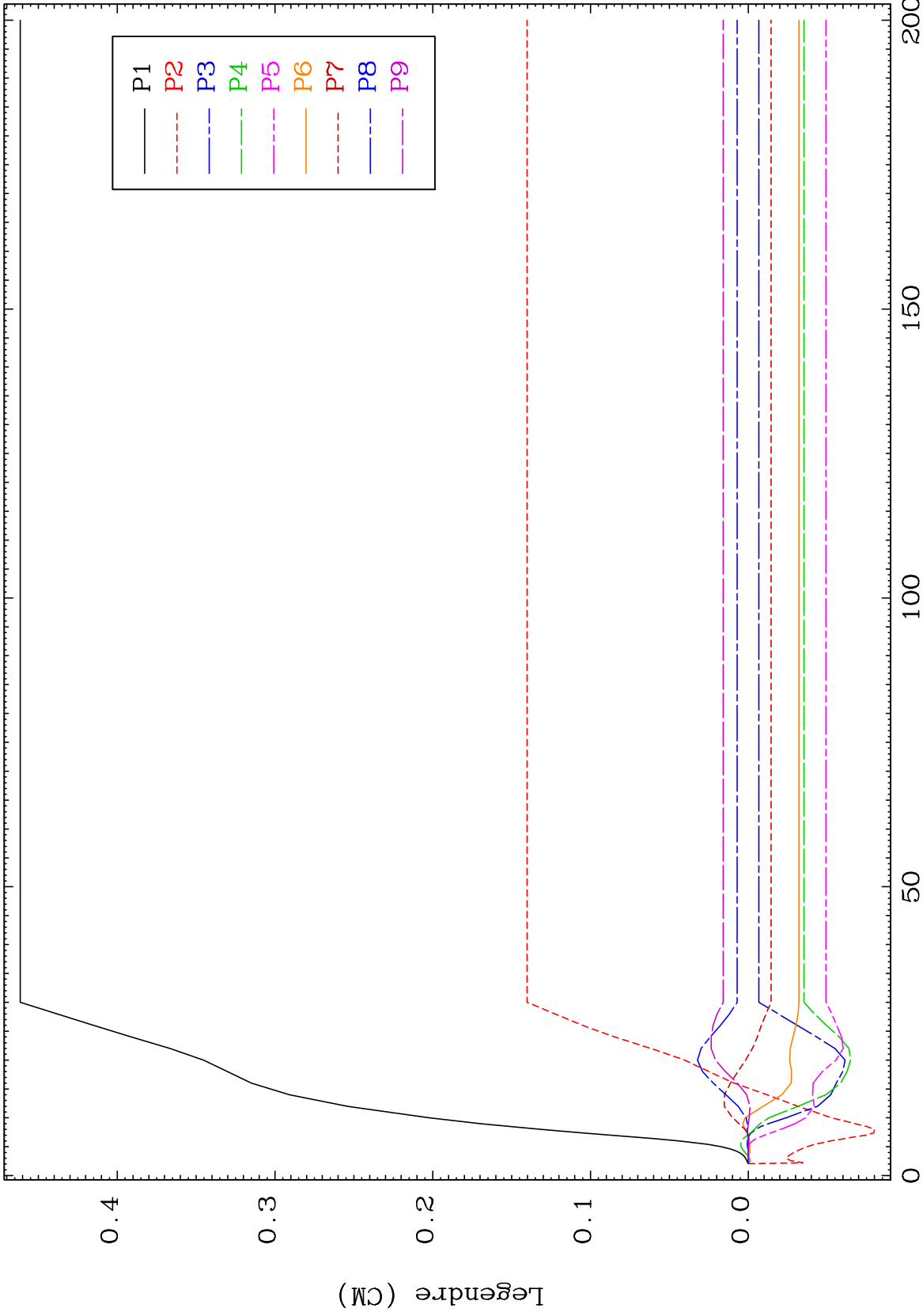


51 54-Xe-130

MAT 5443

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

54-Xe-130



52

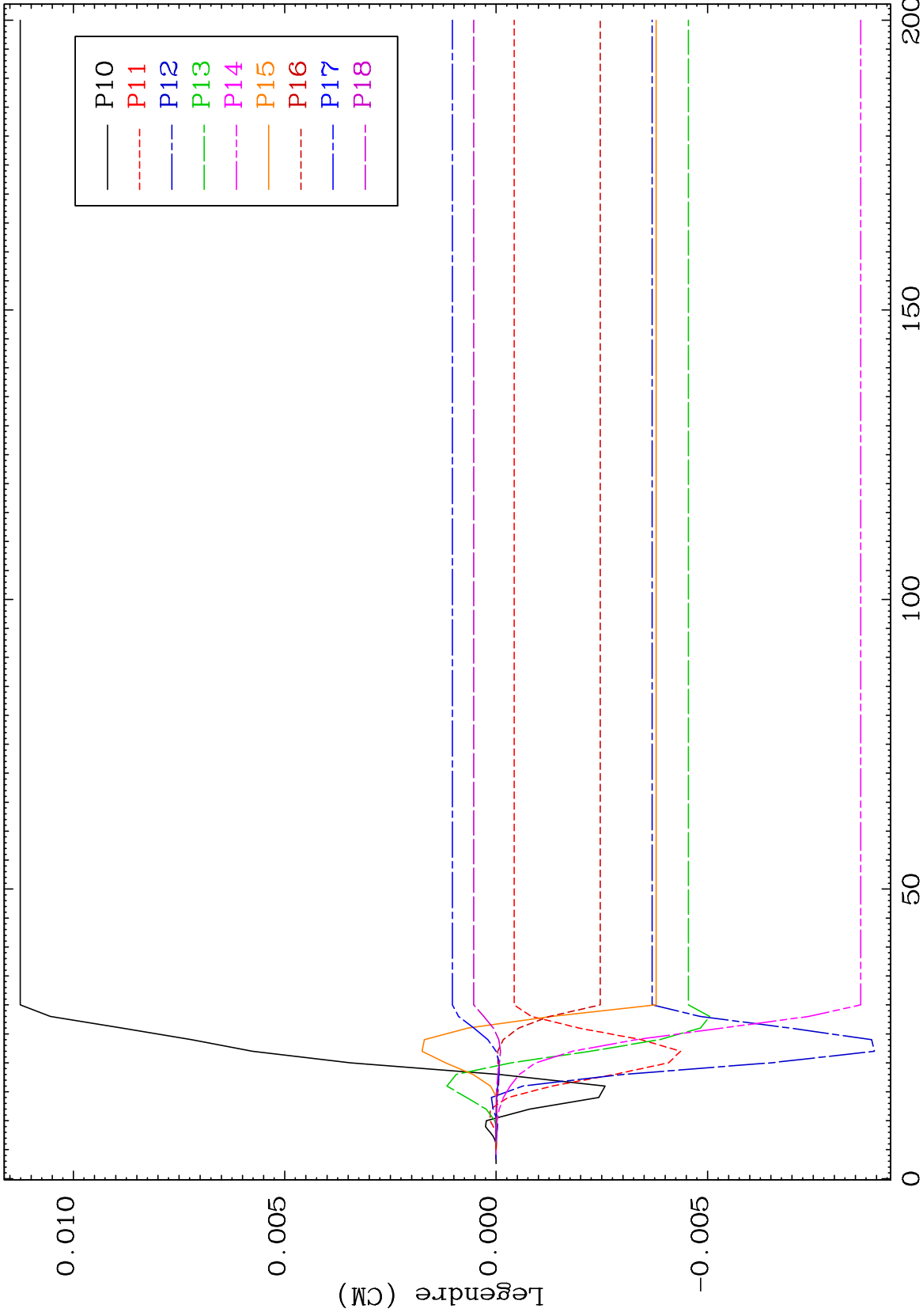
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



53

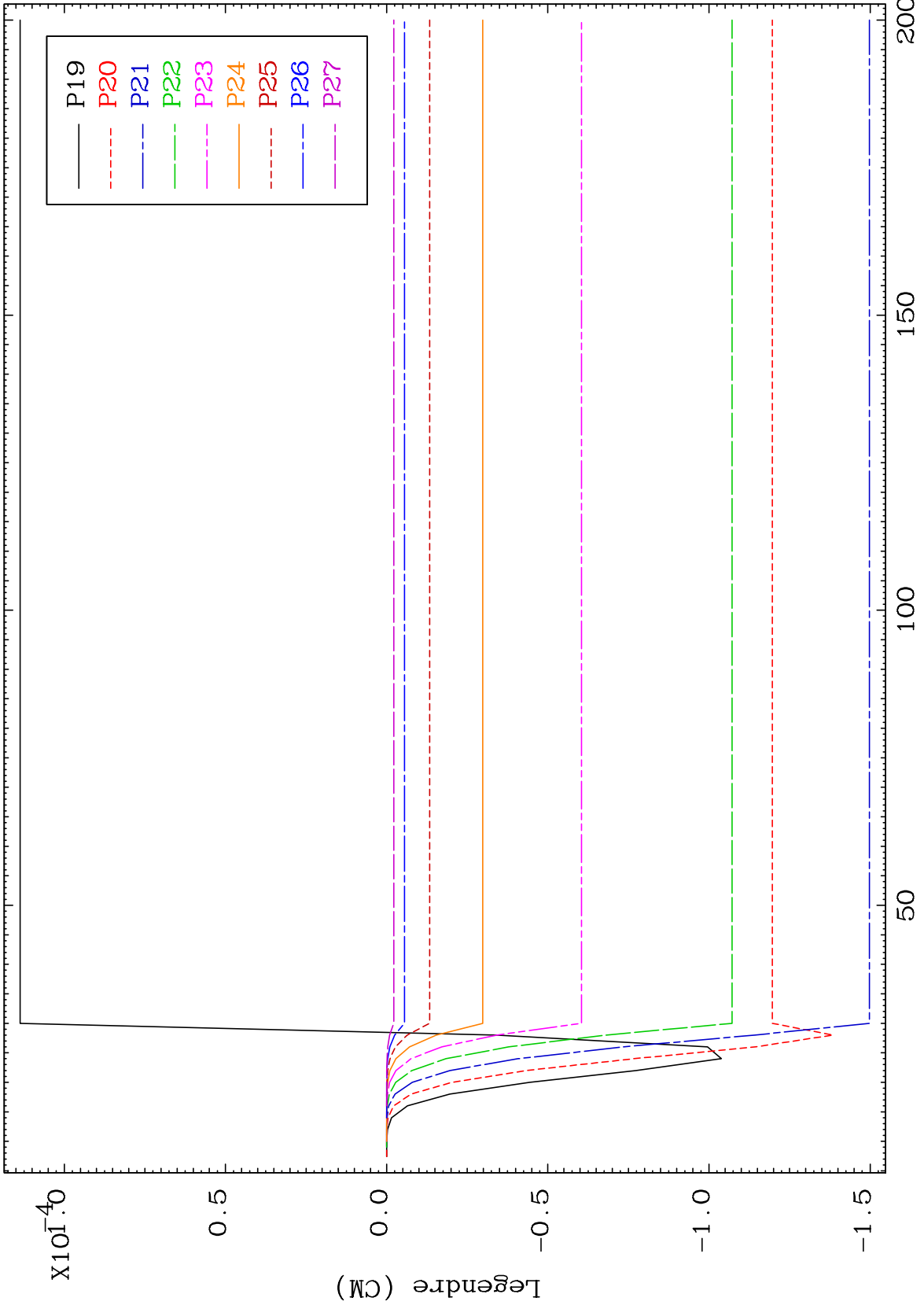
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130

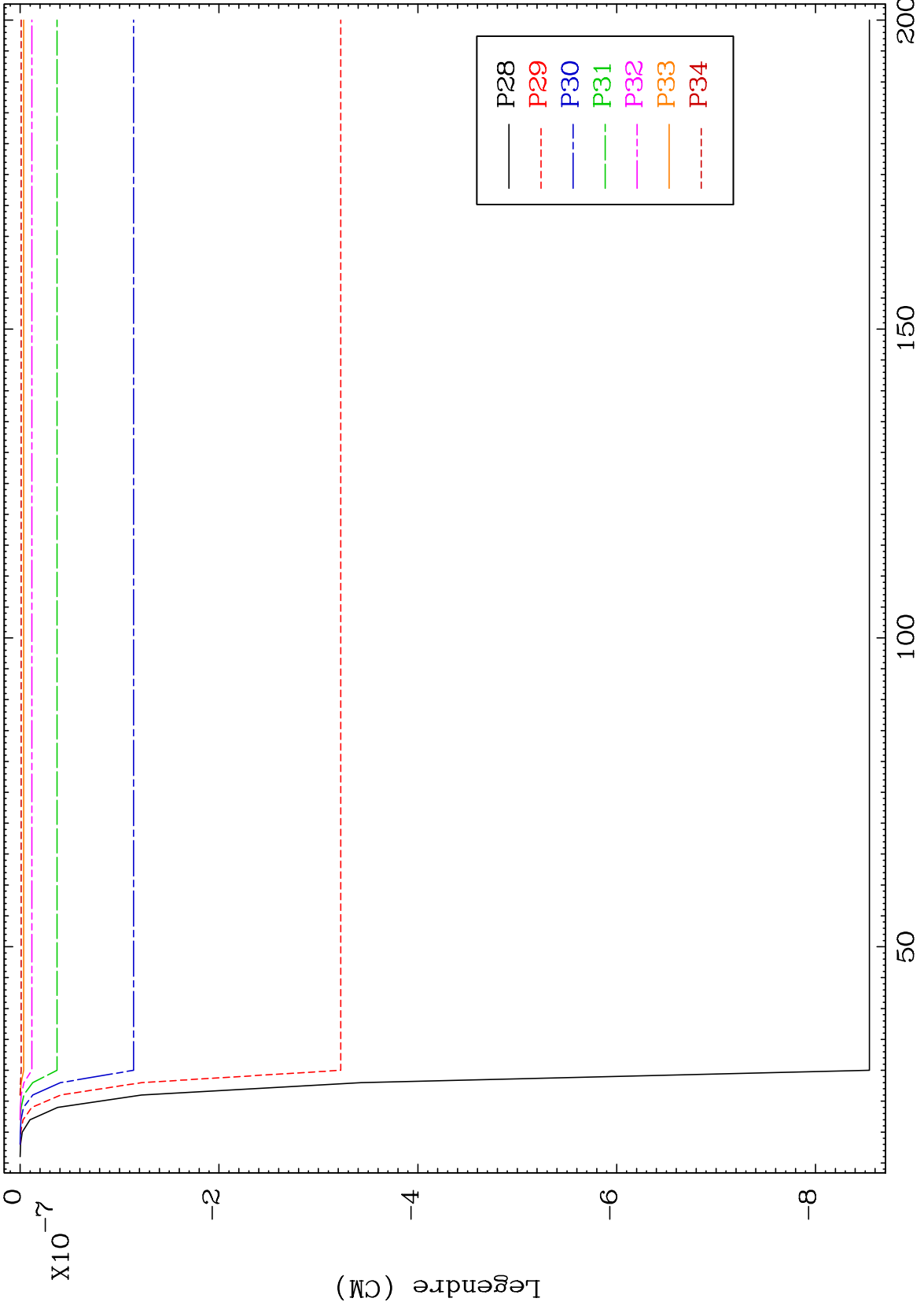


54

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 60 (n,n') Level Legendre Coefficients 54-Xe-130



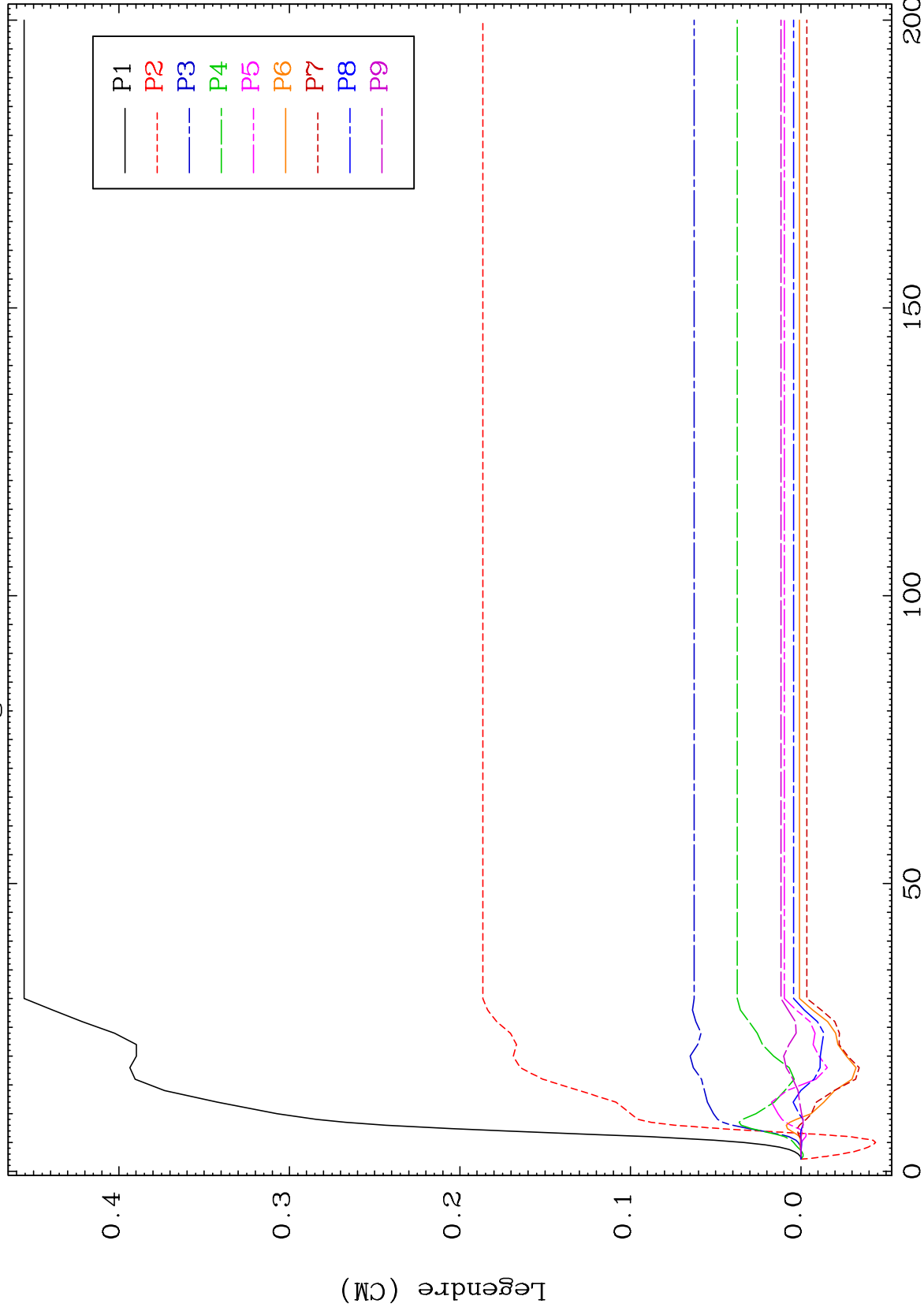
55 54-Xe-130



MAT 5443

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

54-Xe-130



56

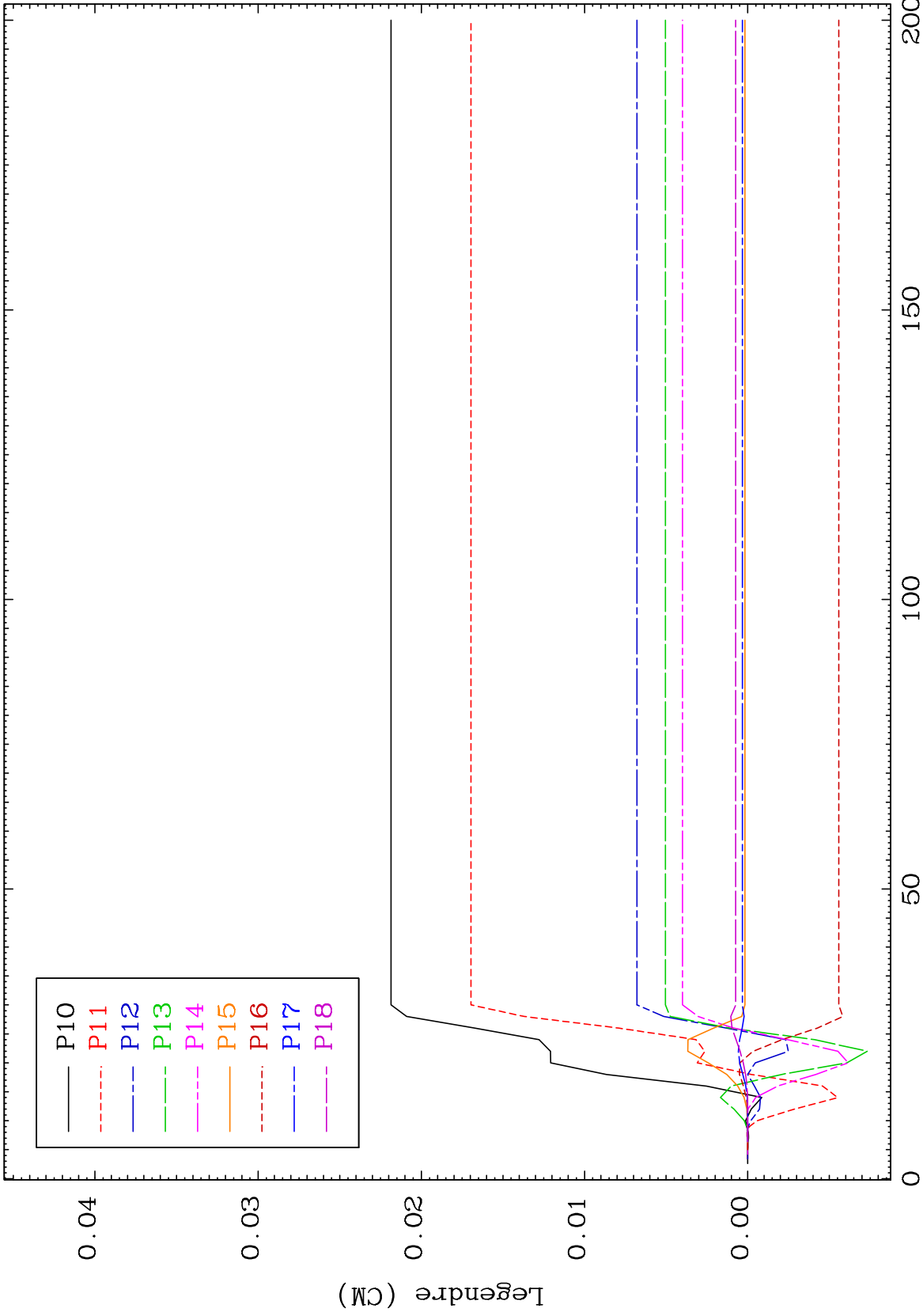
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



57

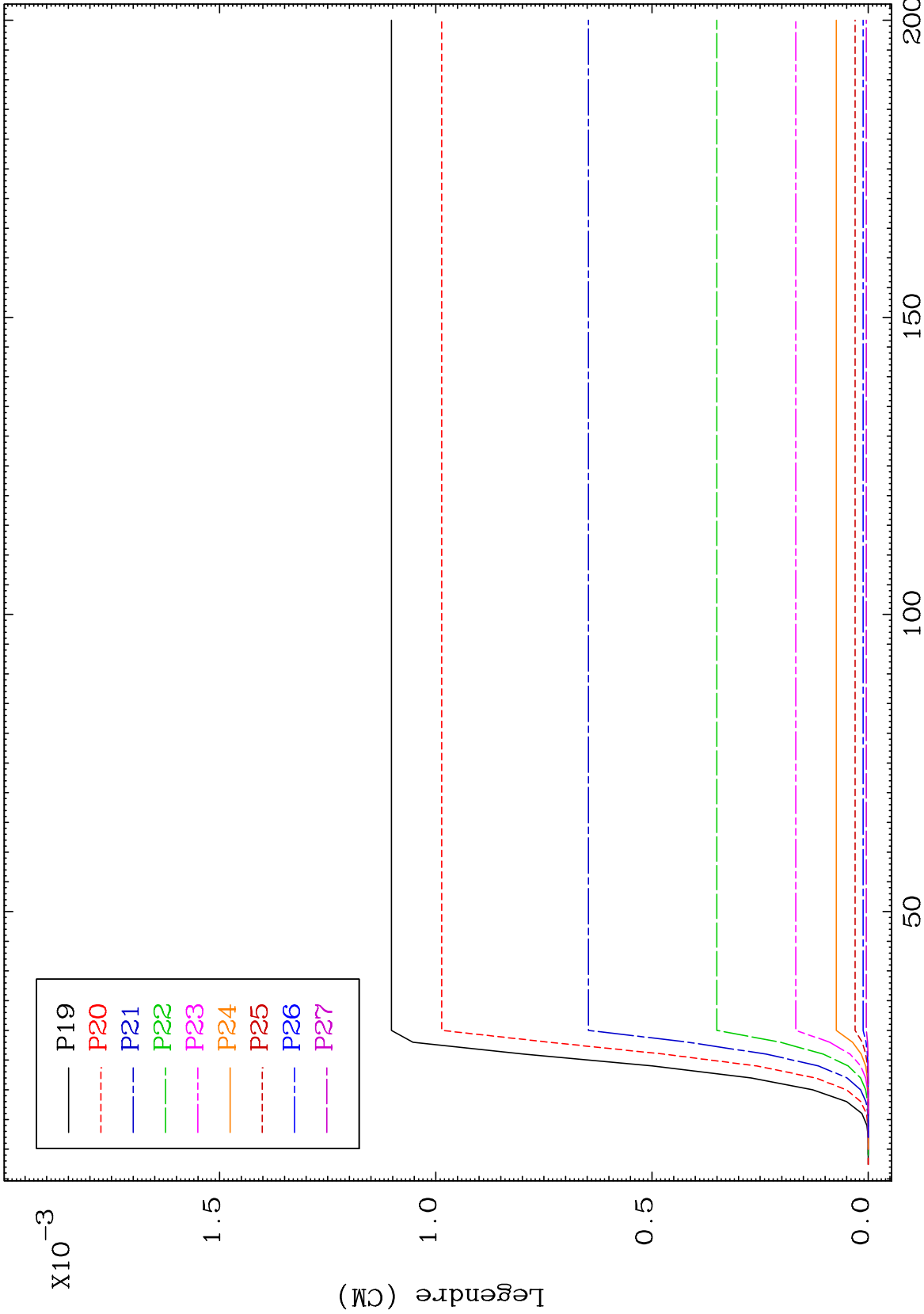
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



58

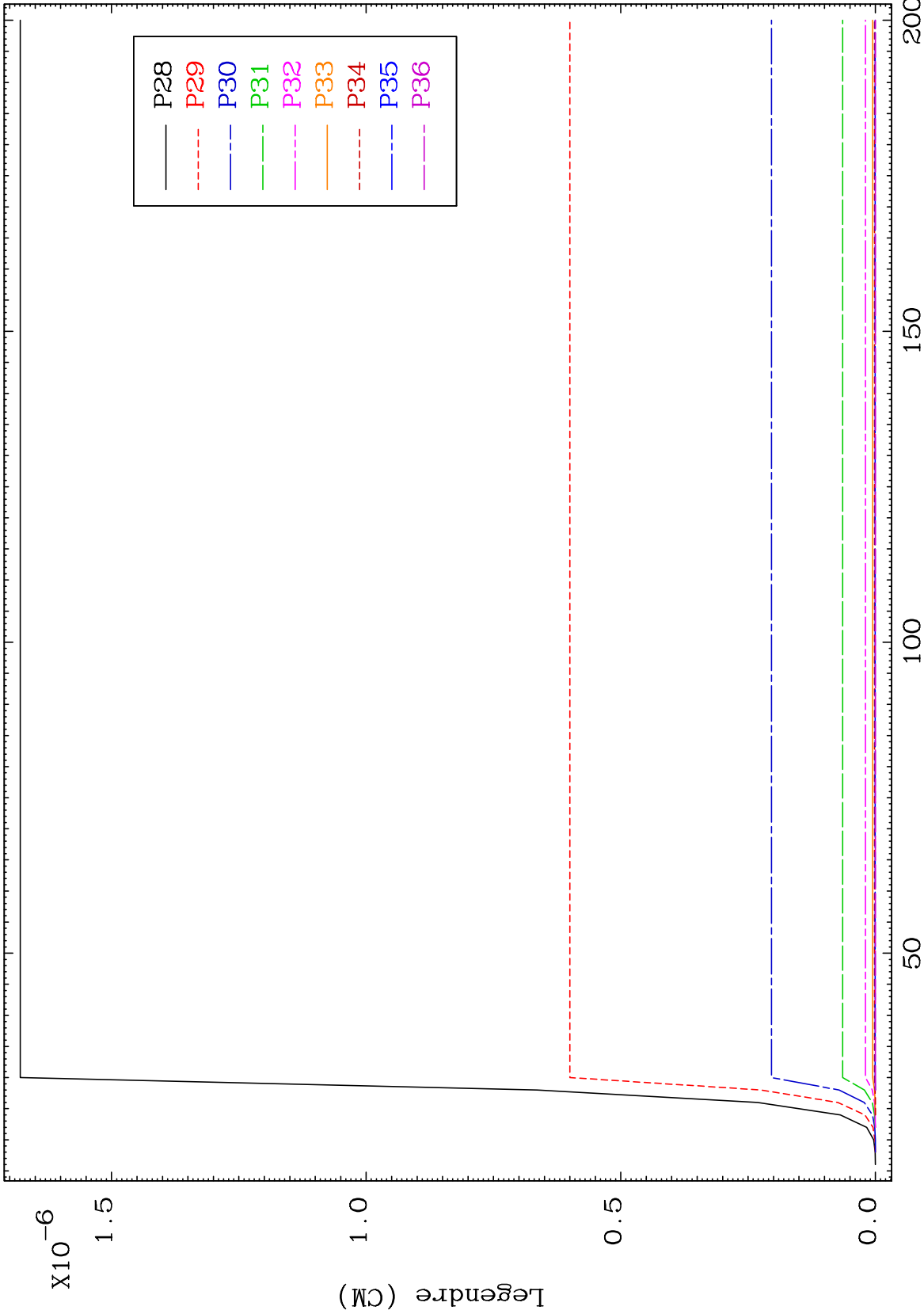
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



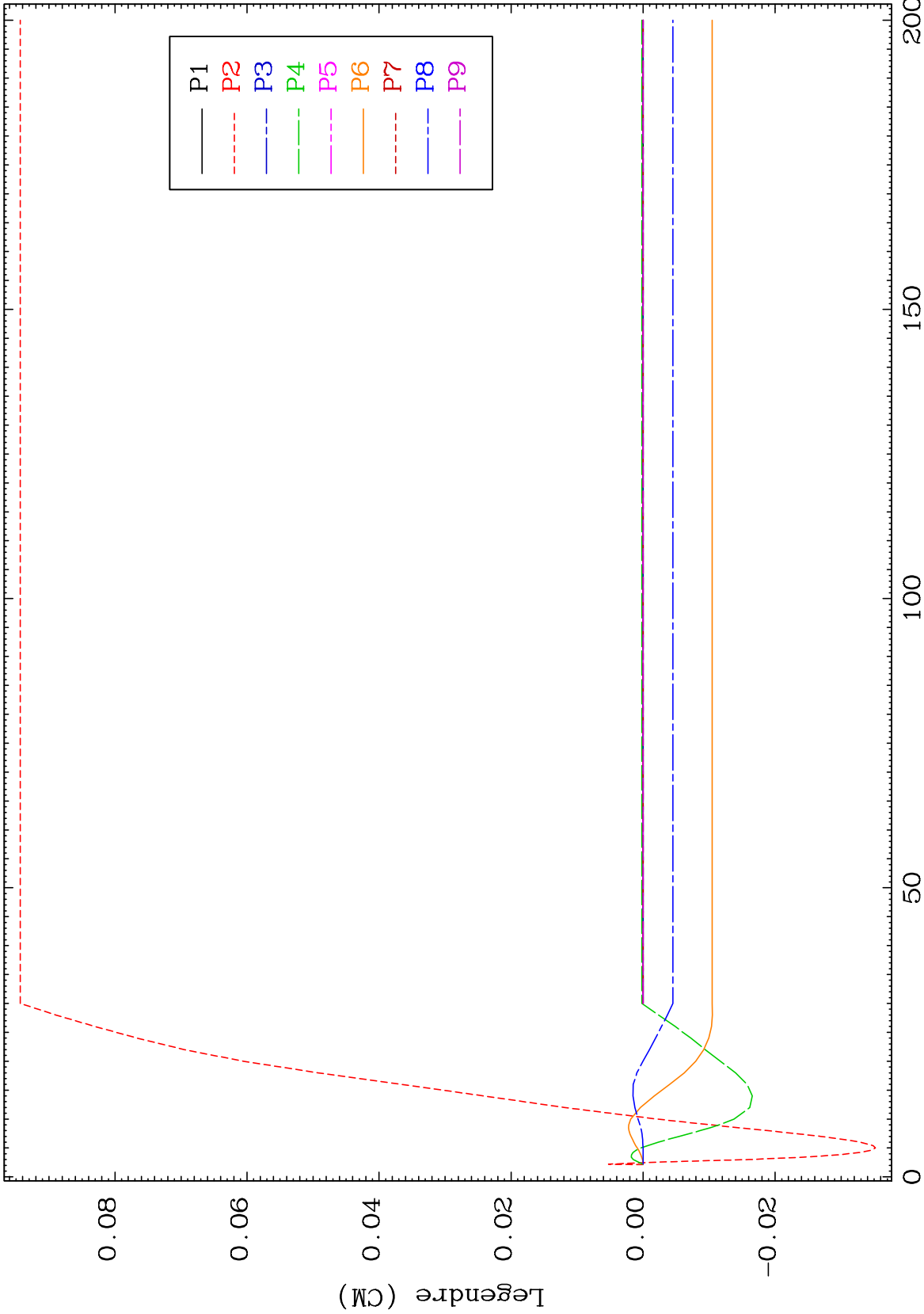
59

54-Xe-130

MAT 5443

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

54-Xe-130



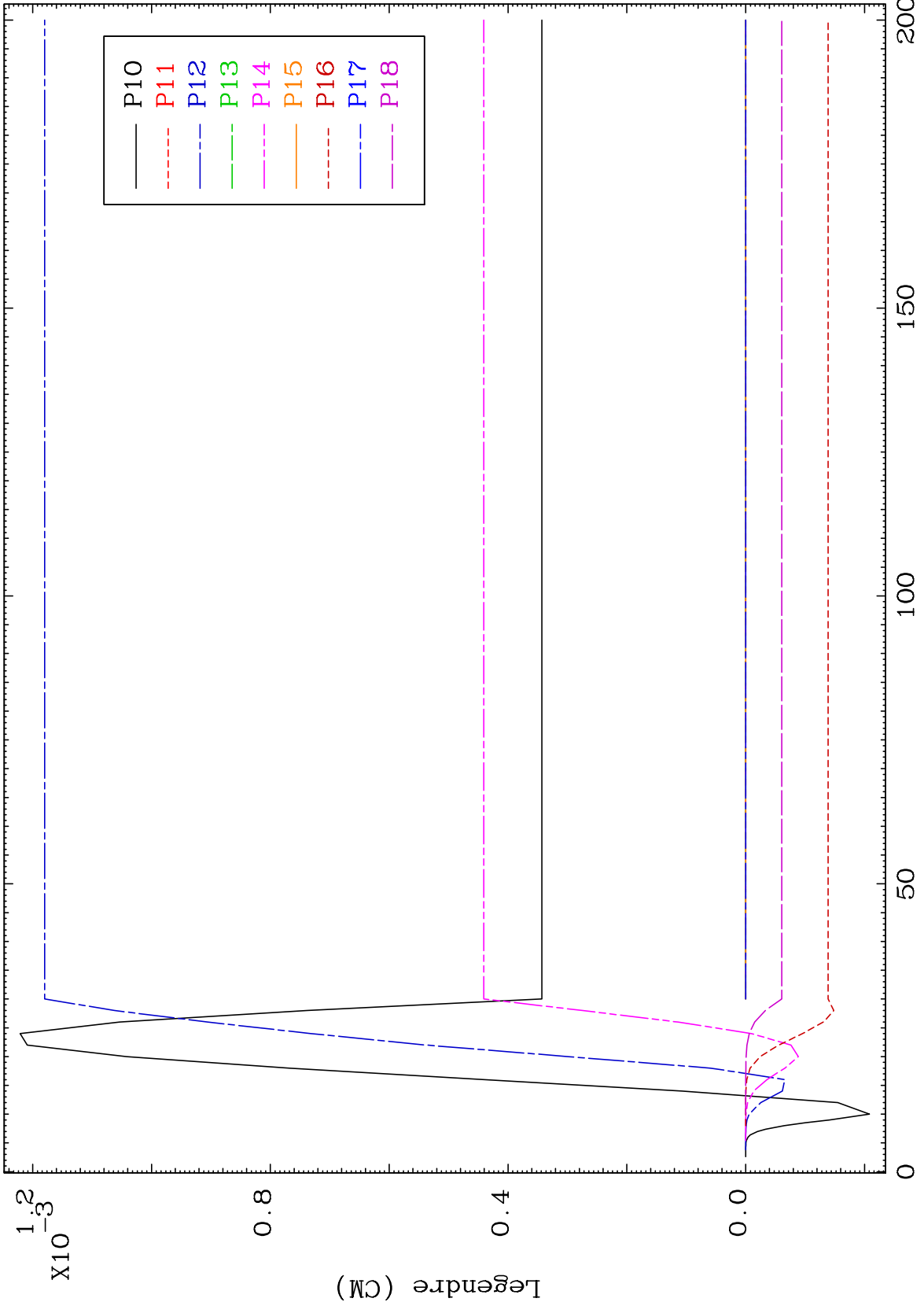
54-Xe-130

Incident Energy (MeV)

MAT 5443

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

54-Xe-130



61

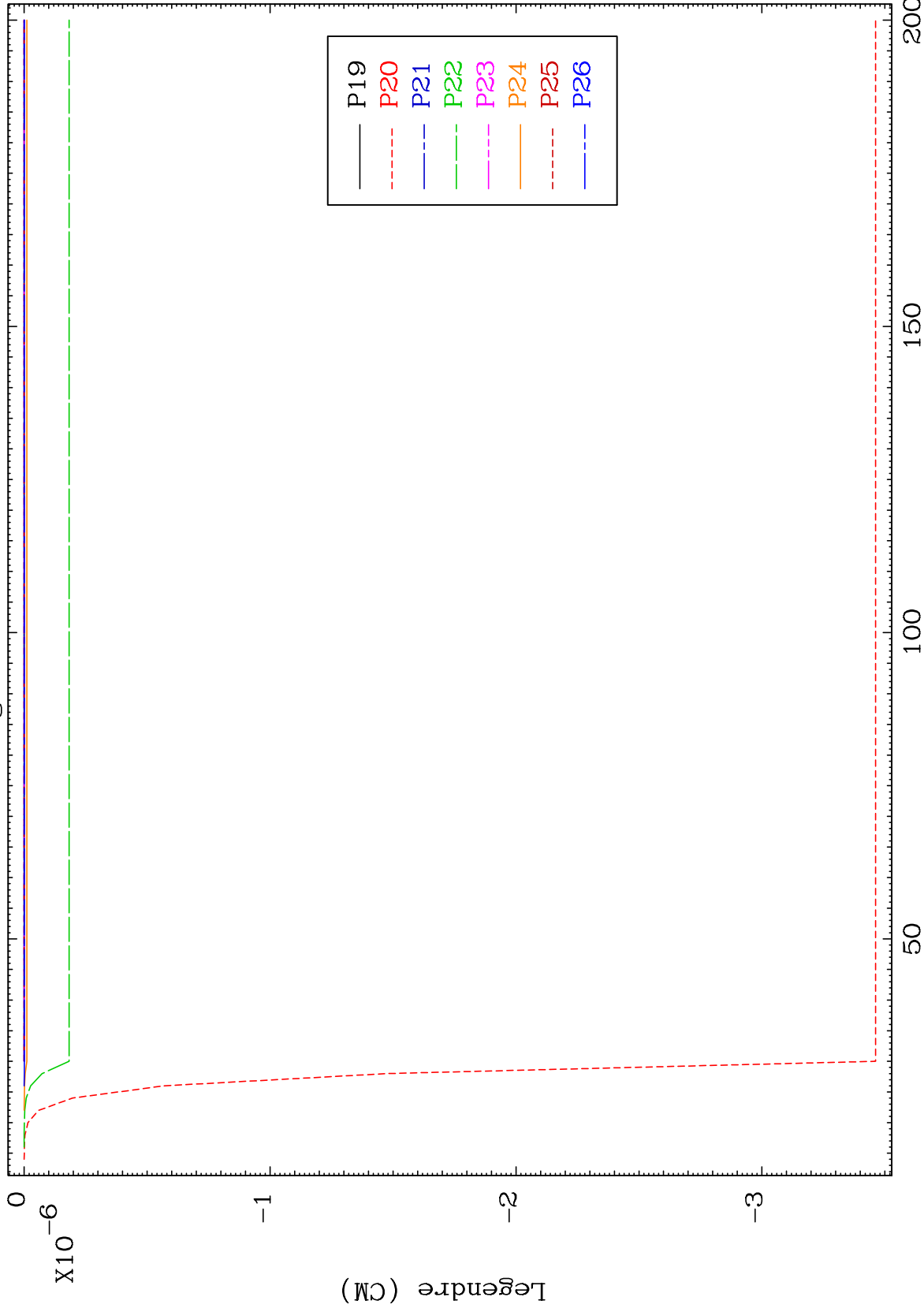
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



62

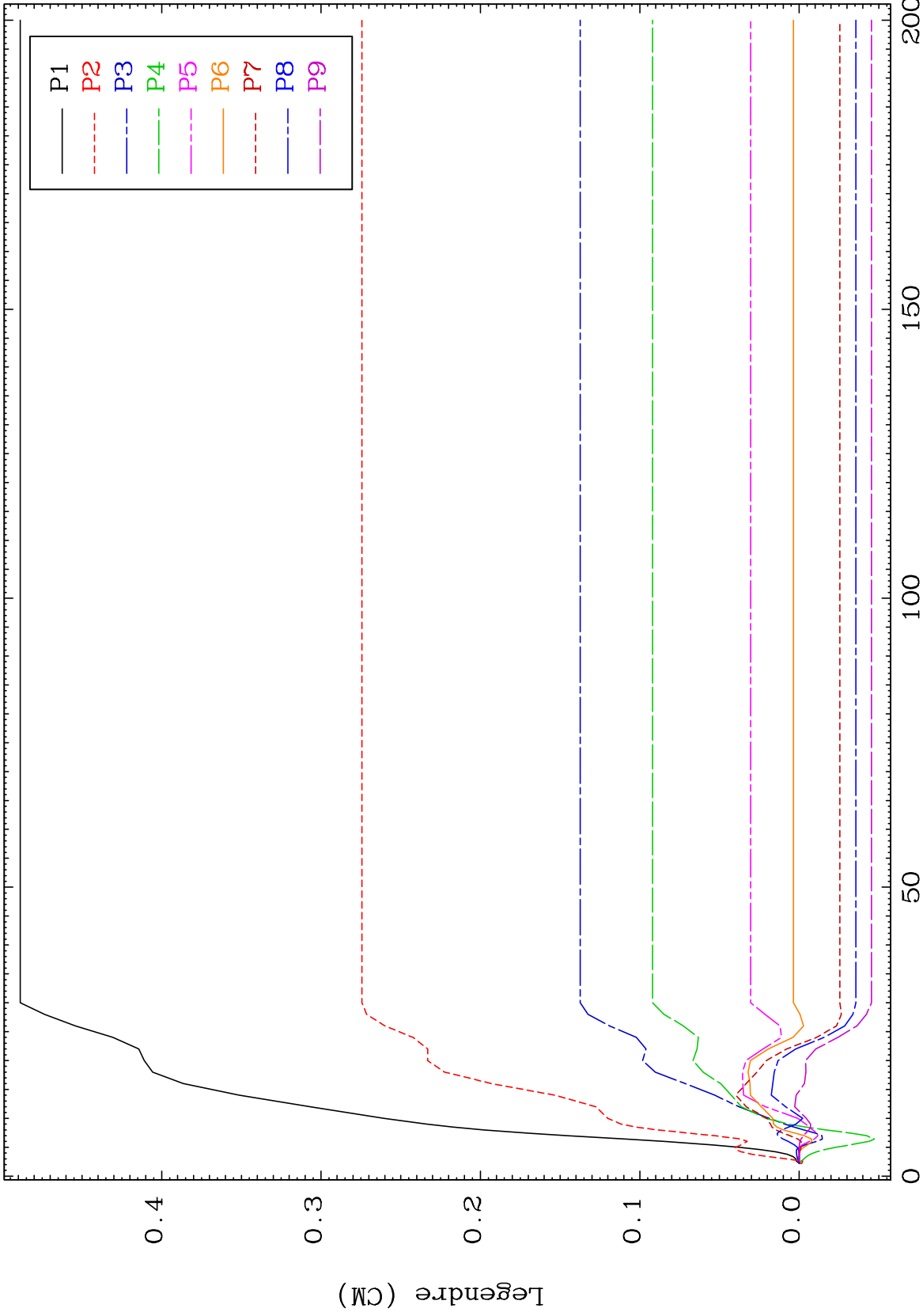
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



63

Incident Energy (MeV)

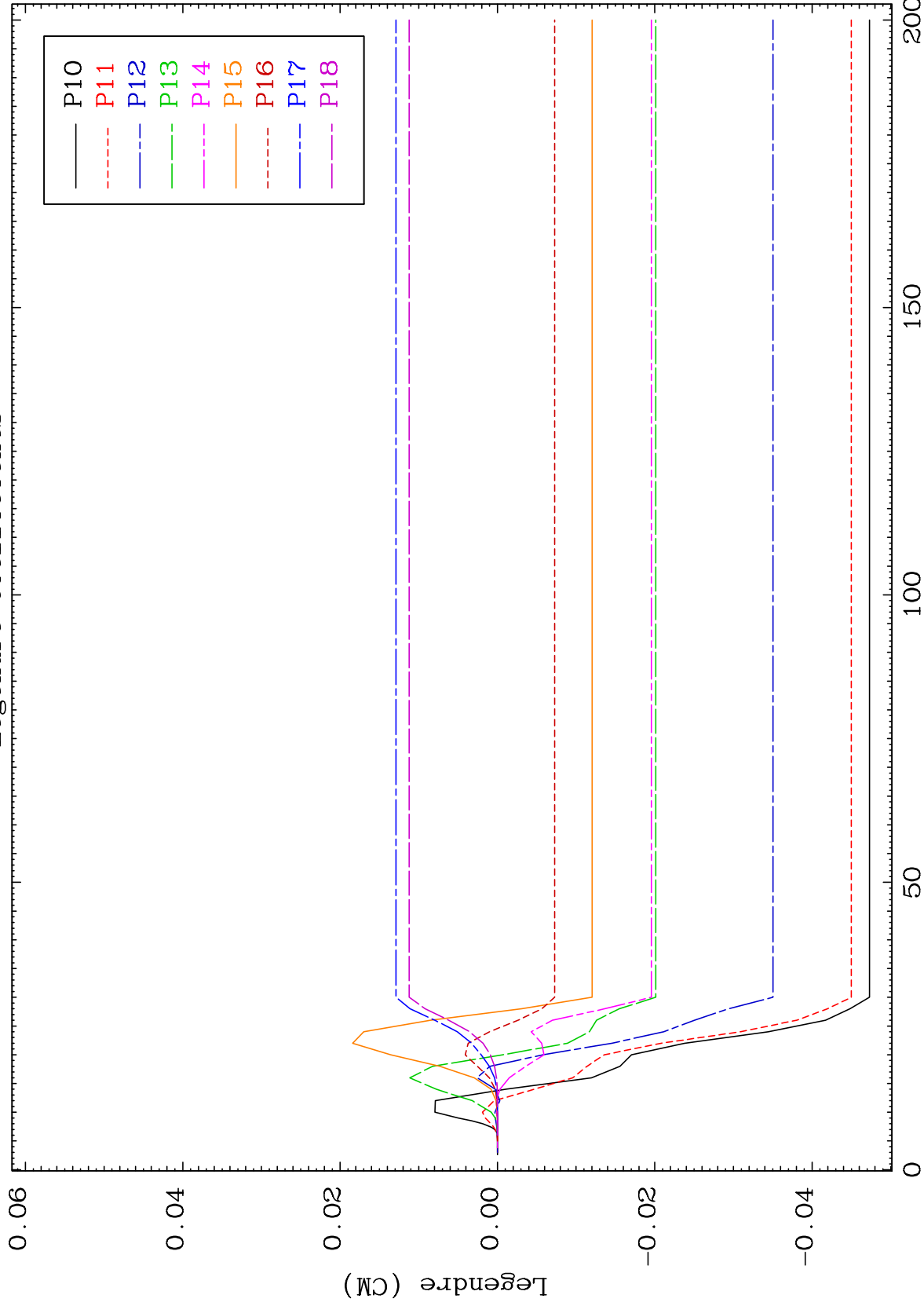
54-Xe-130



MAT 5443

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

54-Xe-130



64

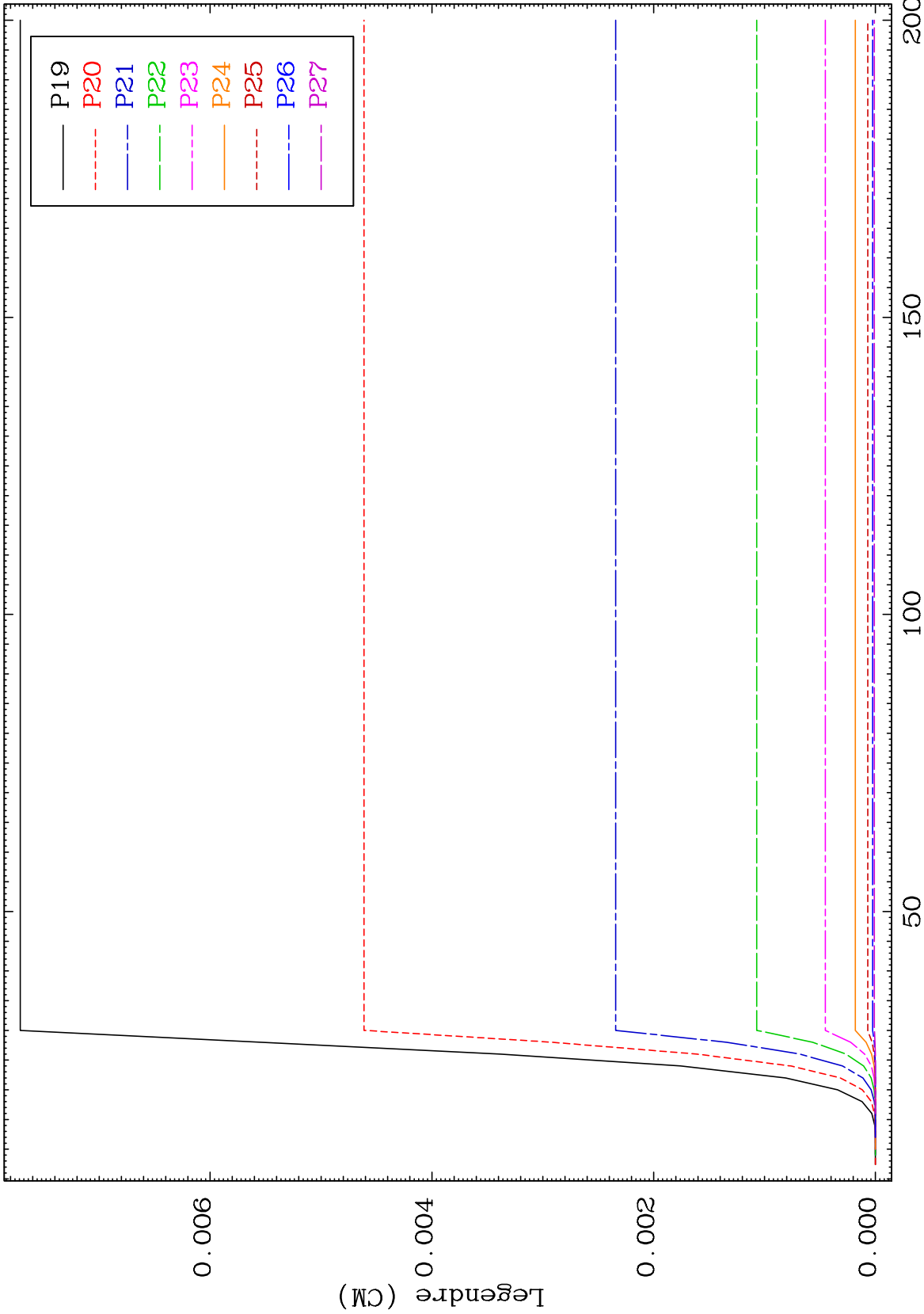
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



65

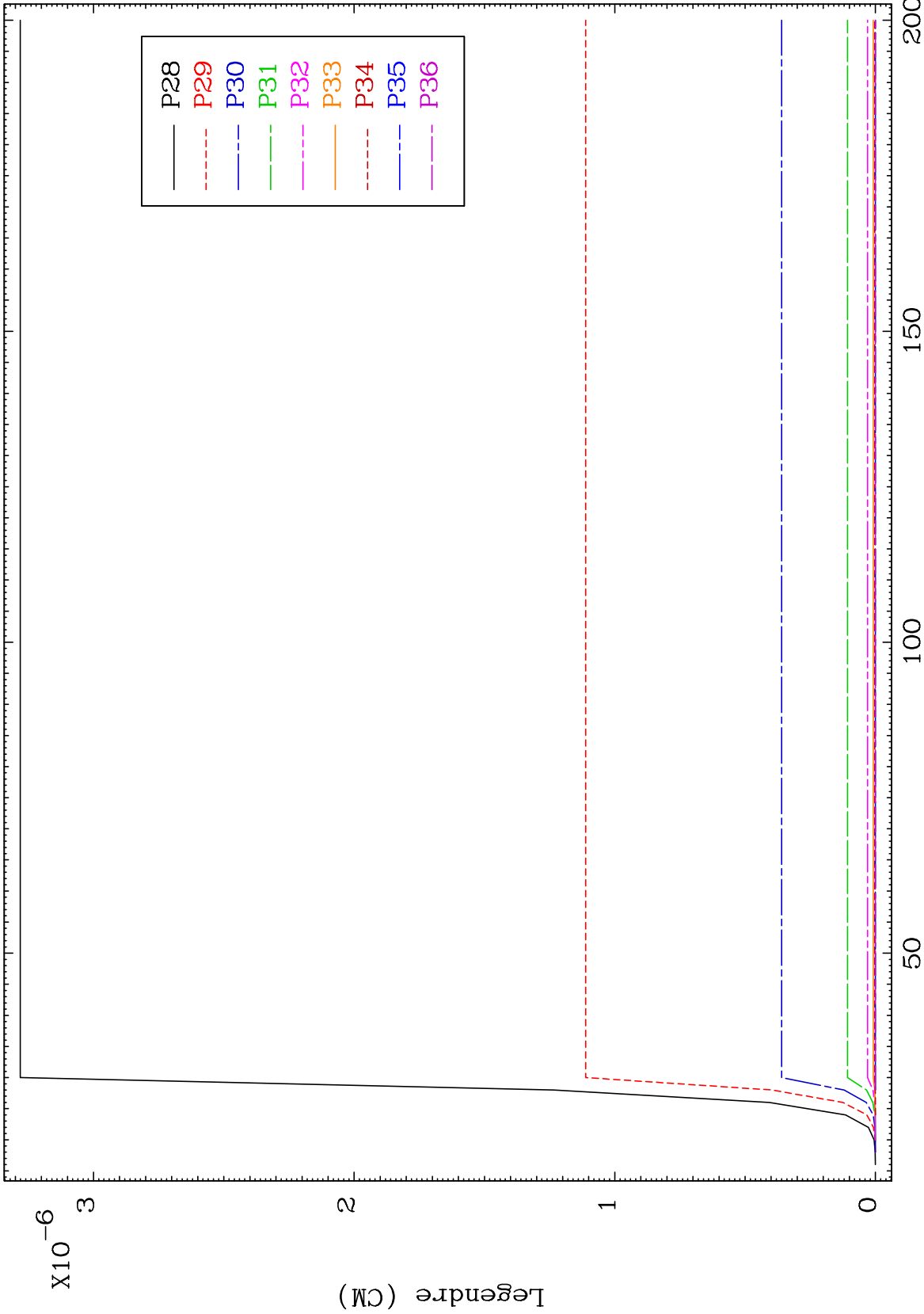
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



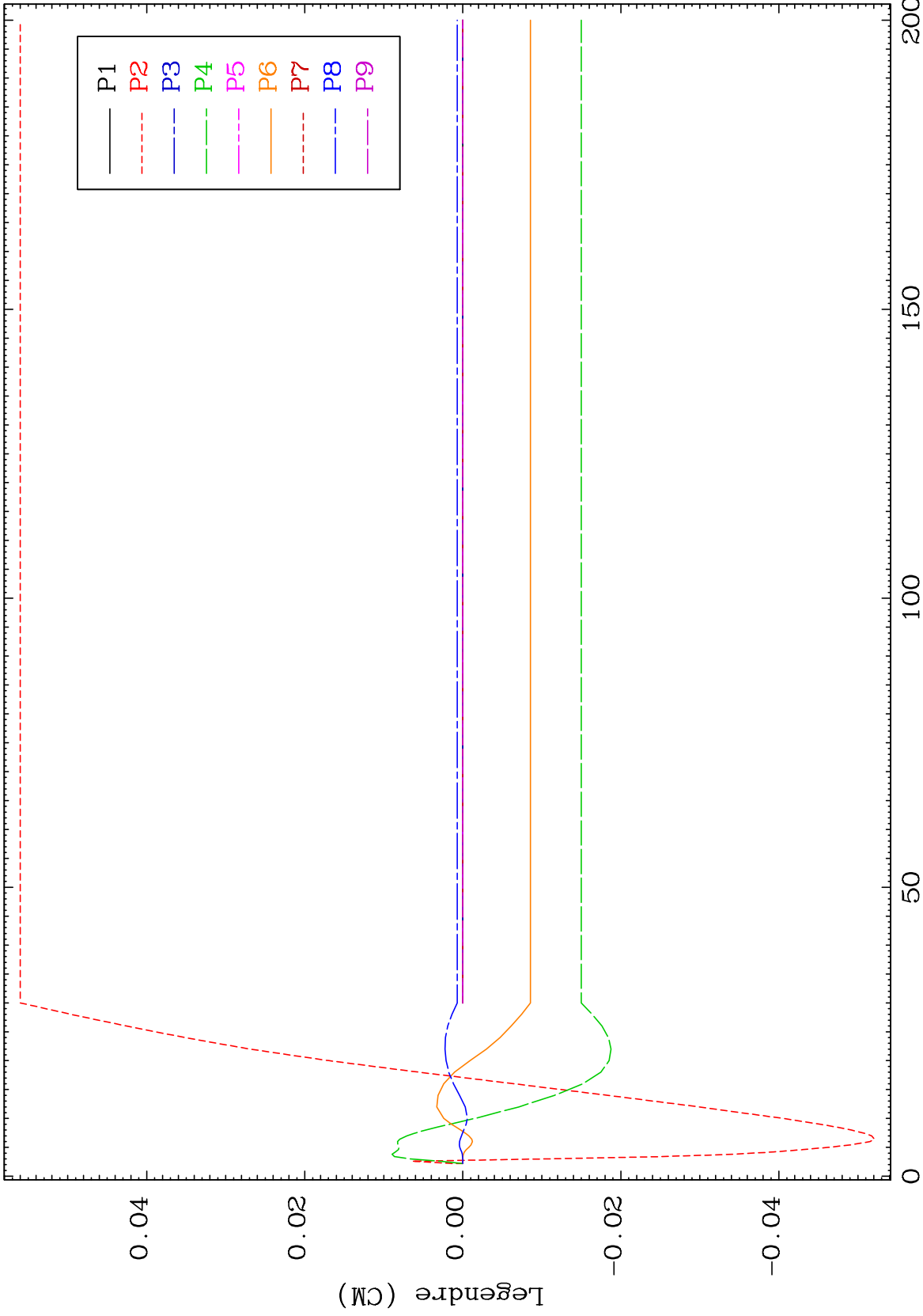
66

54-Xe-130

MAT 5443

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

54-Xe-130



67

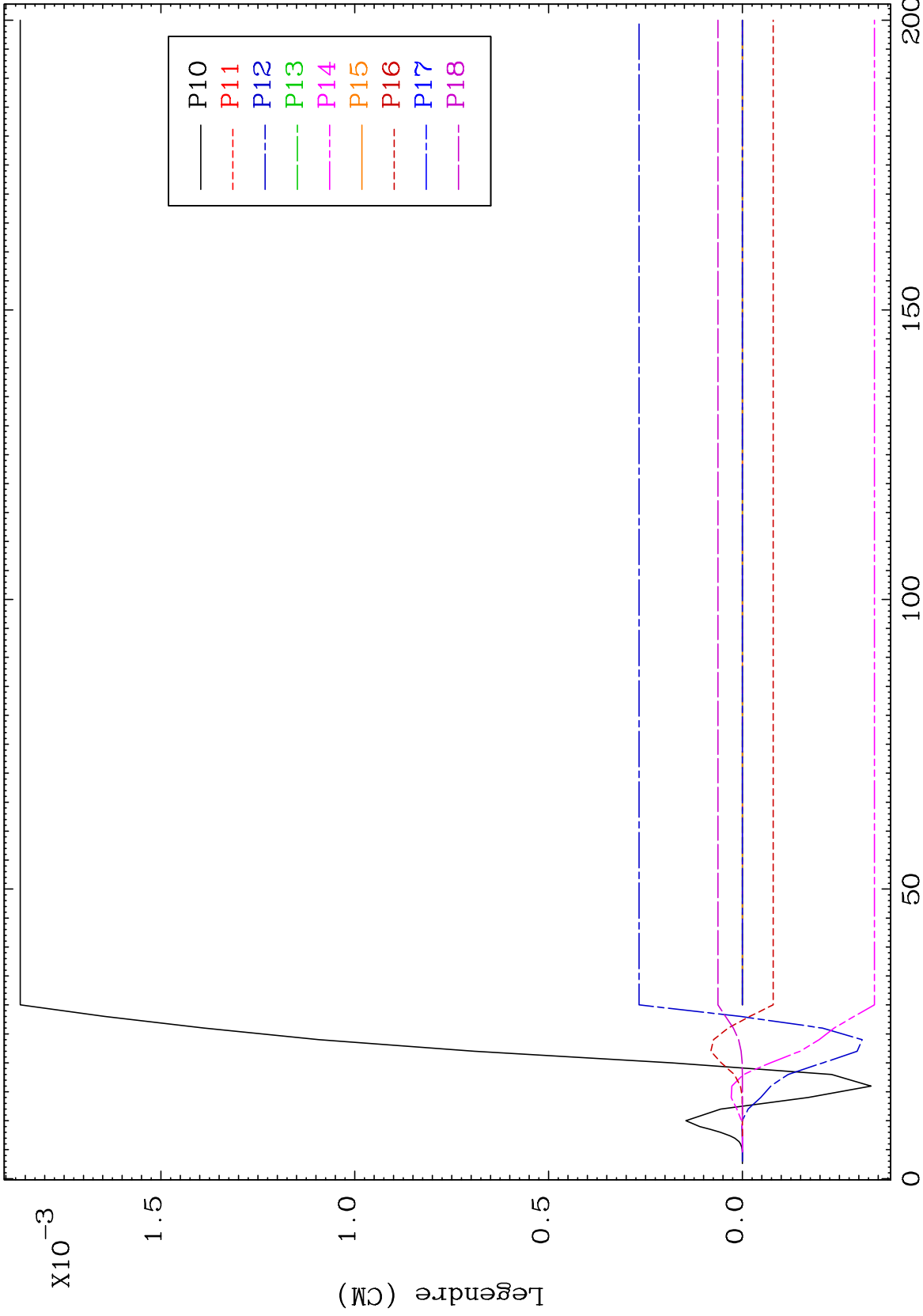
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



68

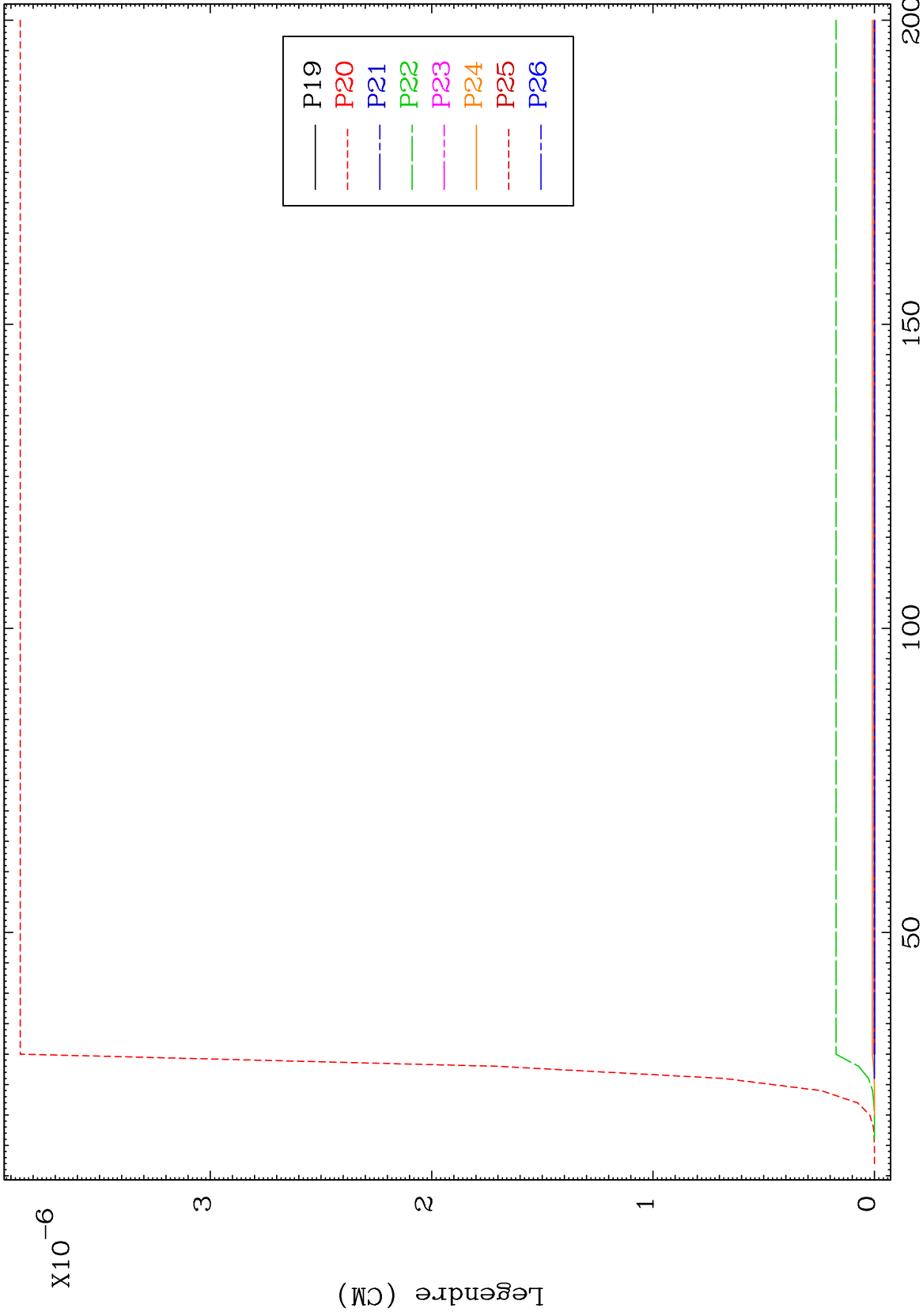
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



69

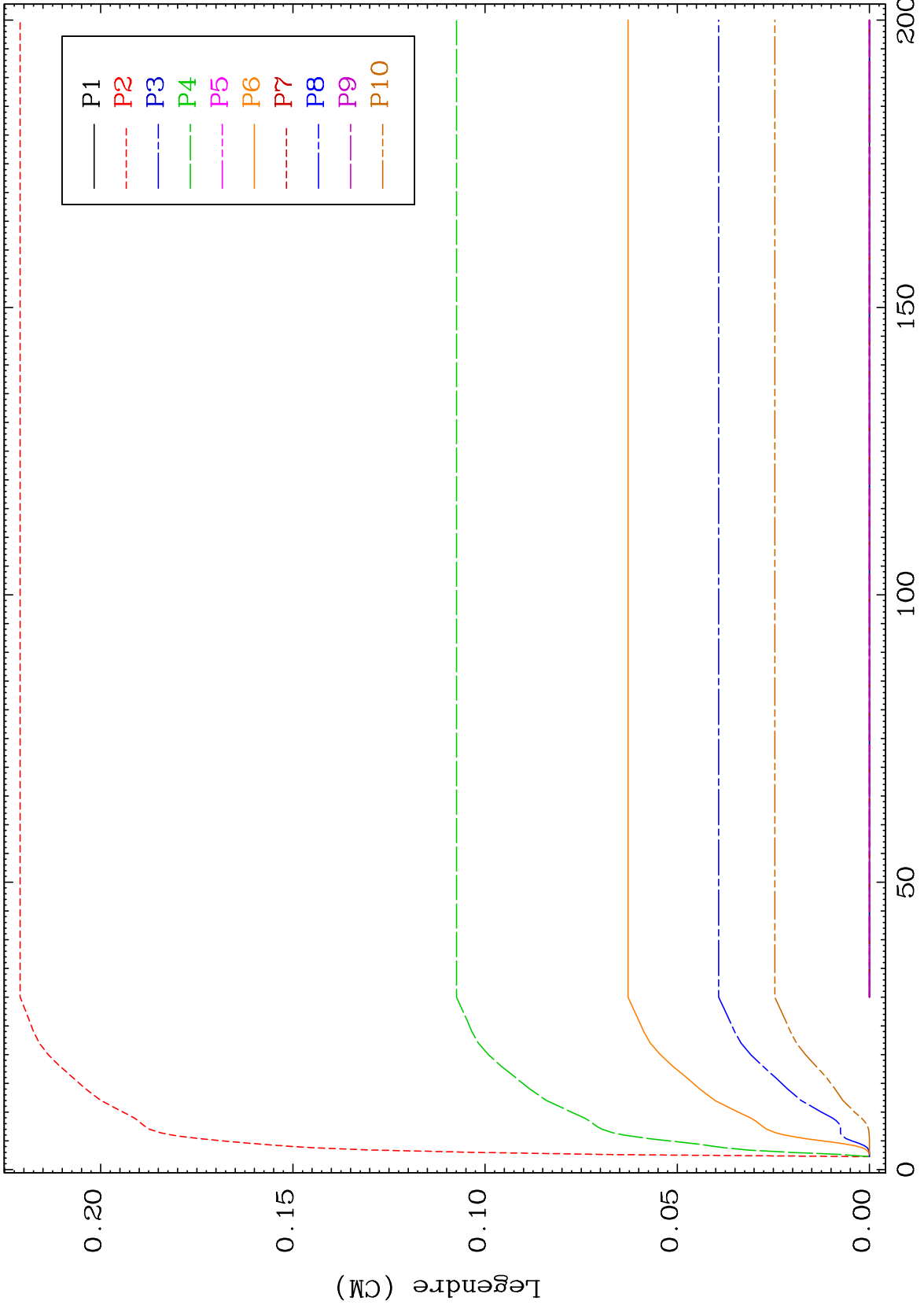
Incident Energy (MeV)

54-Xe-130

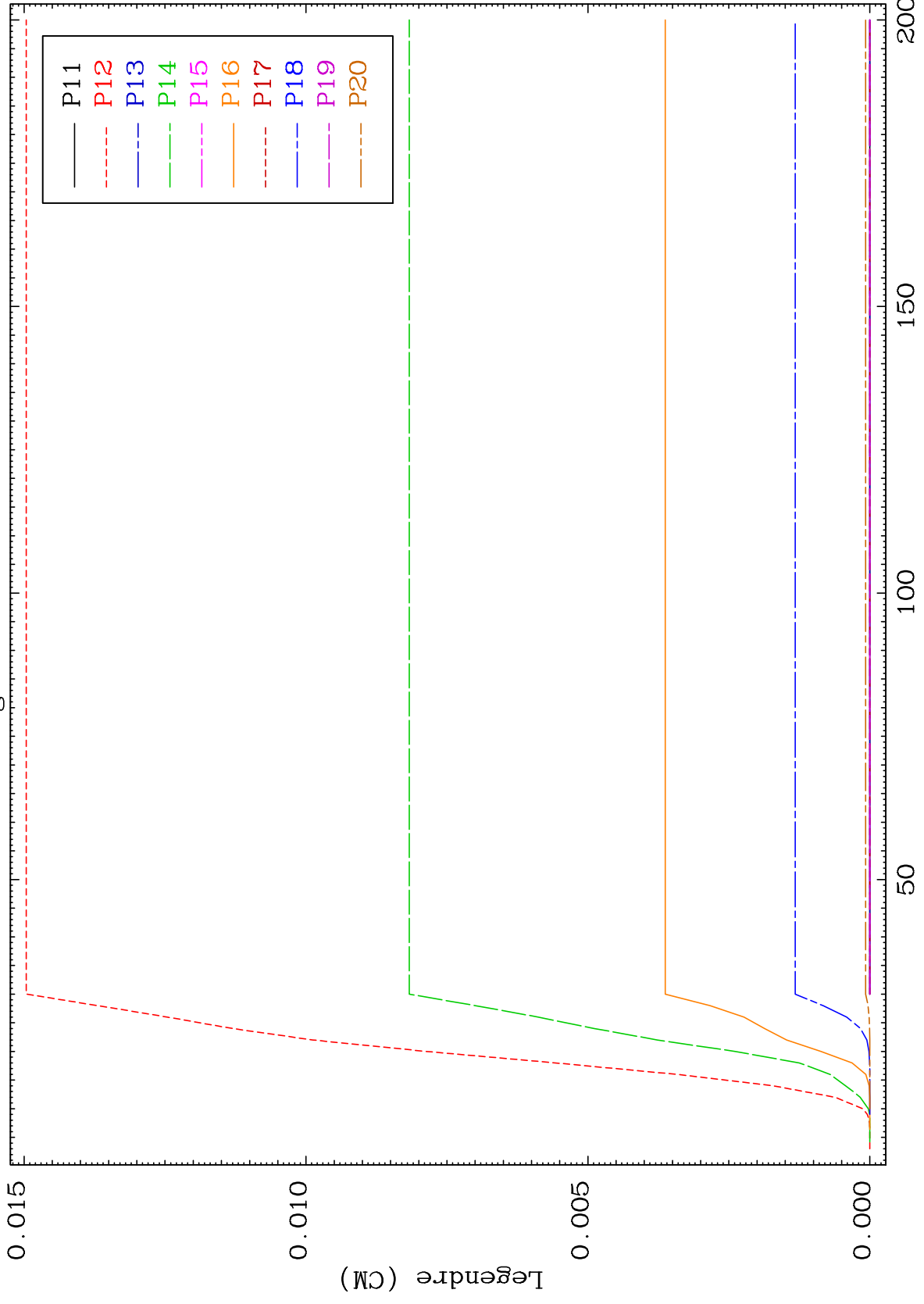
MAT 5443

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

54-Xe-130

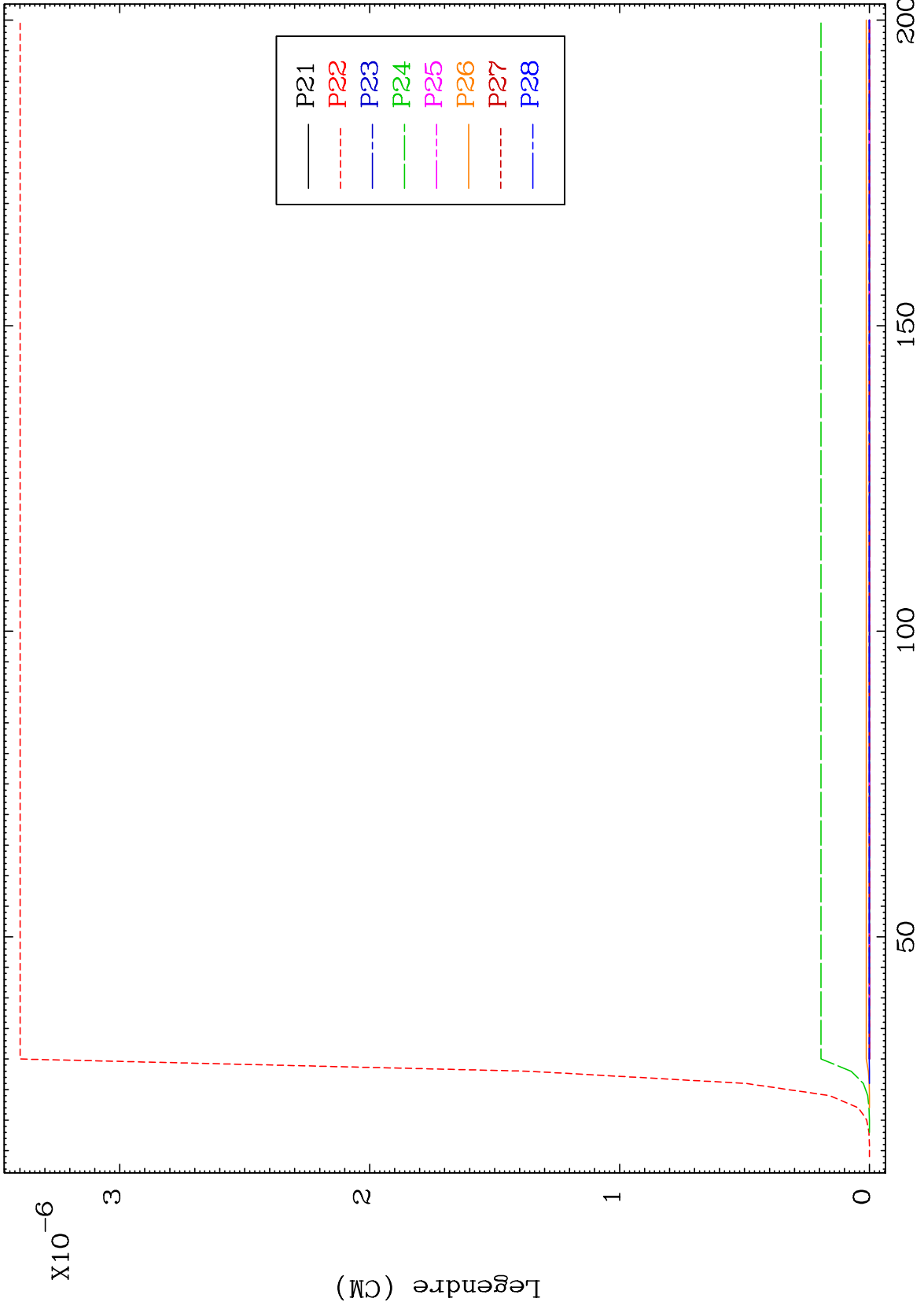


MAT 5443 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-130



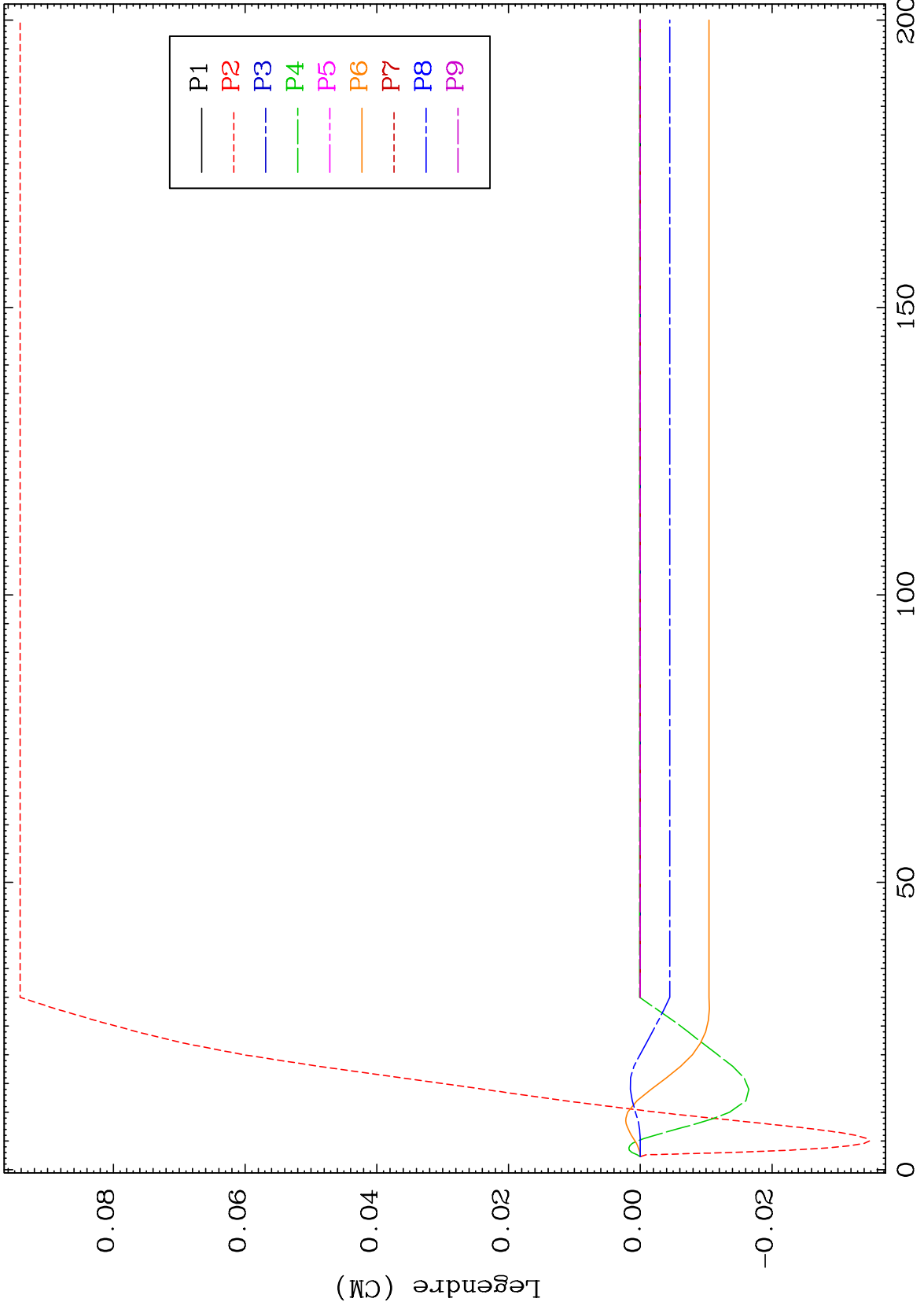


MAT 5443 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-130



72 54-Xe-130

MAT 5443 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-130

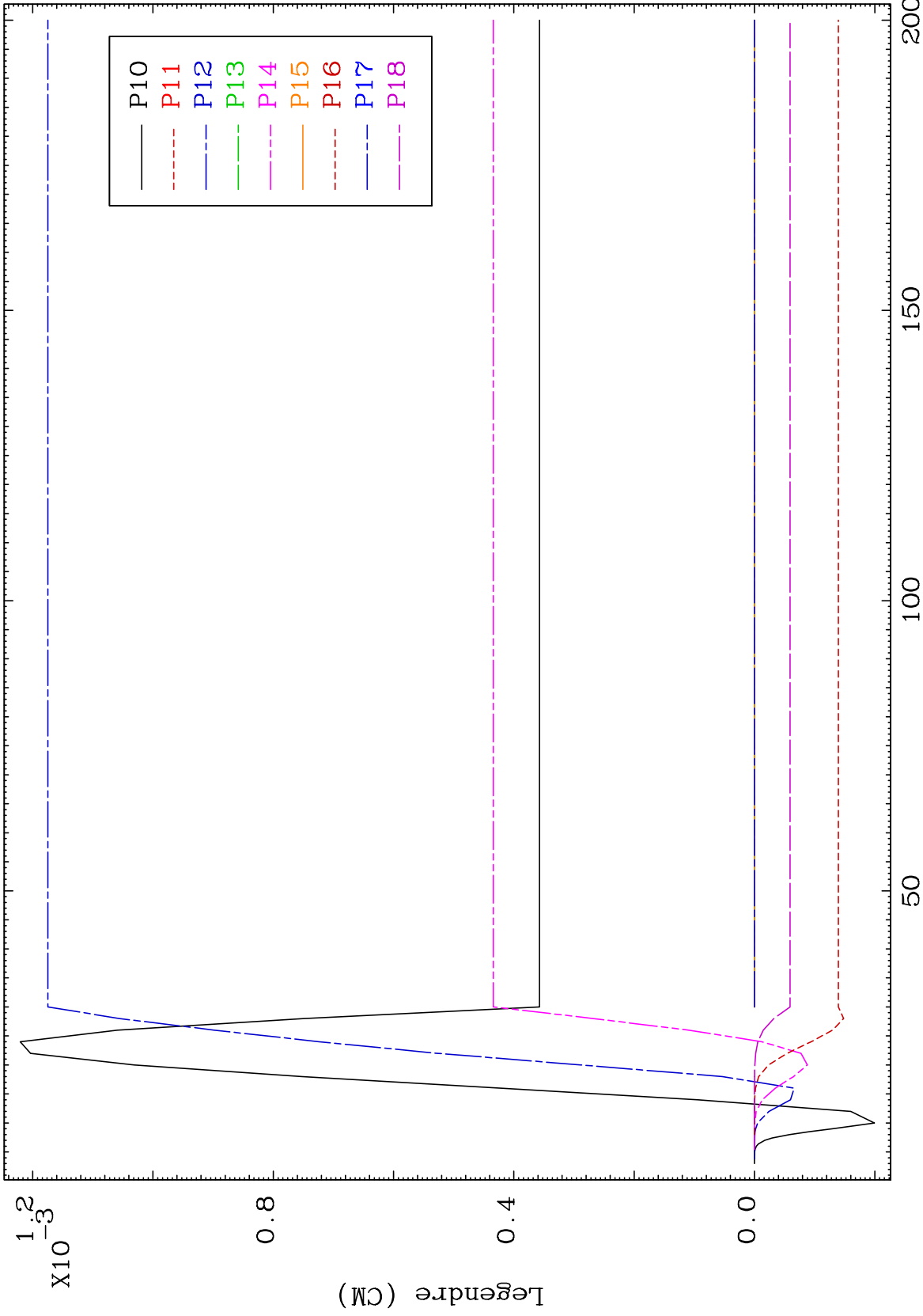


73 54-Xe-130

MAT 5443

MT= 66 (n,n') Level  
Legendre Coefficients

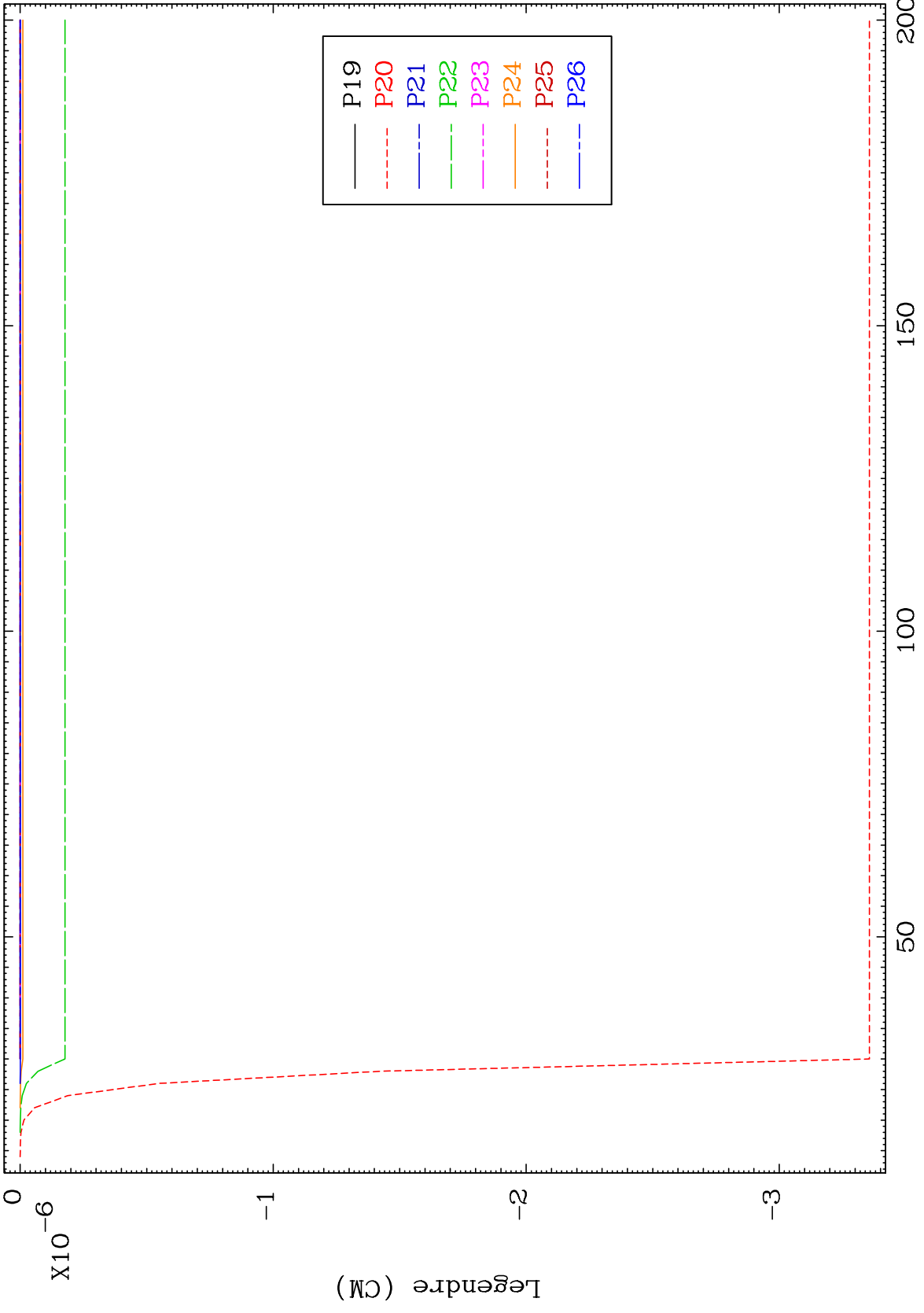
54-Xe-130



74

54-Xe-130

MAT 5443 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-130

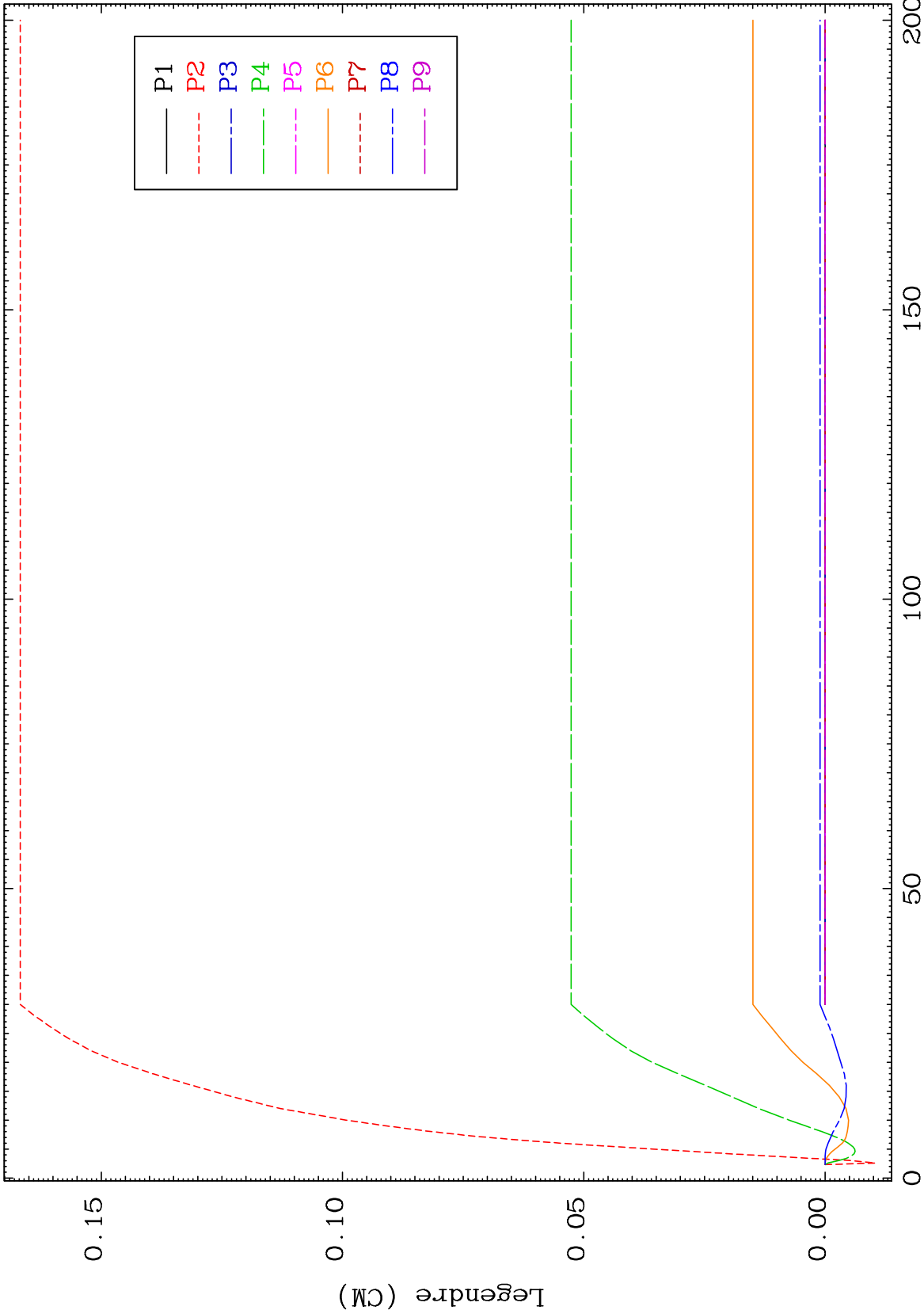


75 Incident Energy (MeV) 54-Xe-130

MAT 5443

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

54-Xe-130

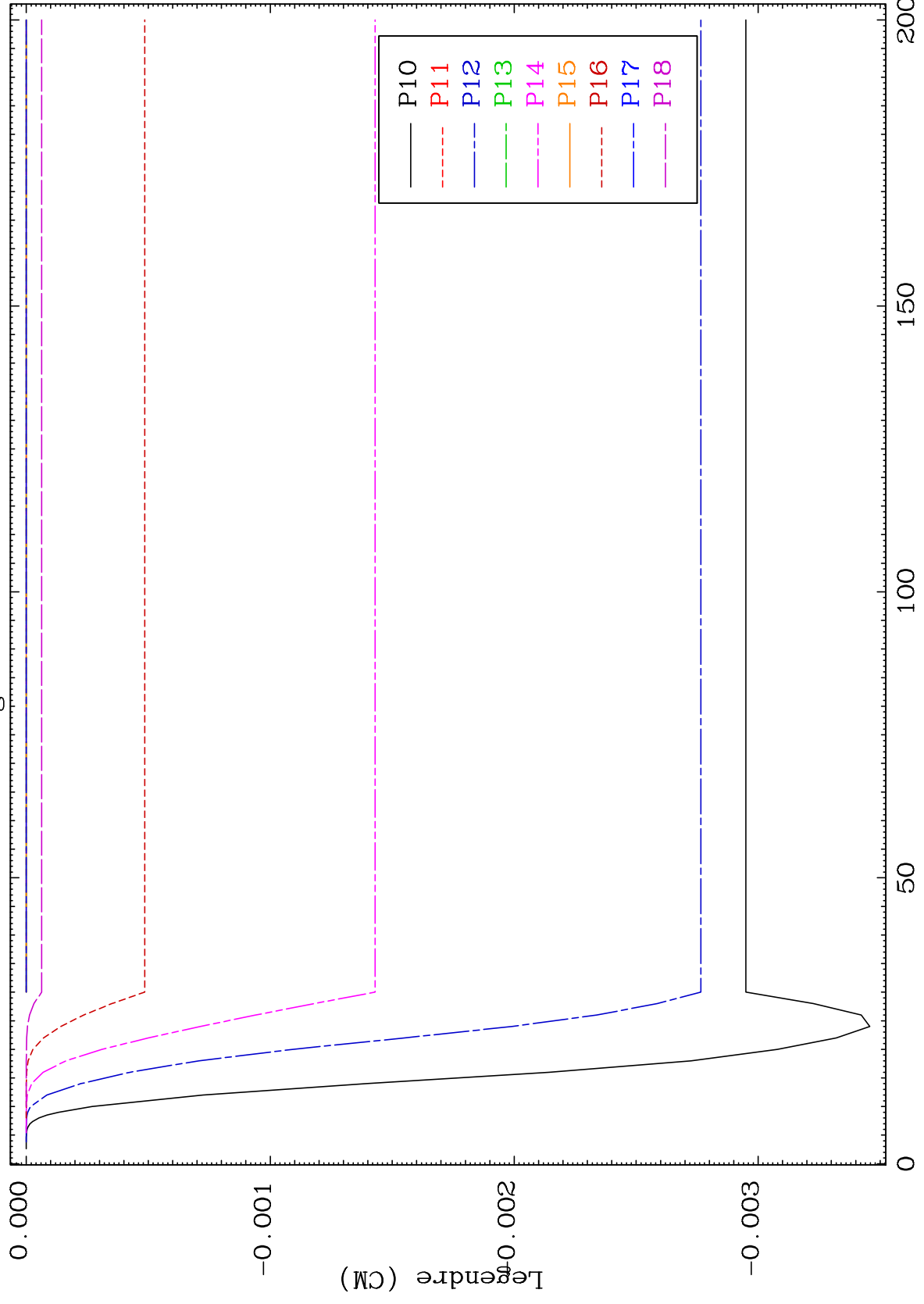


76

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-130

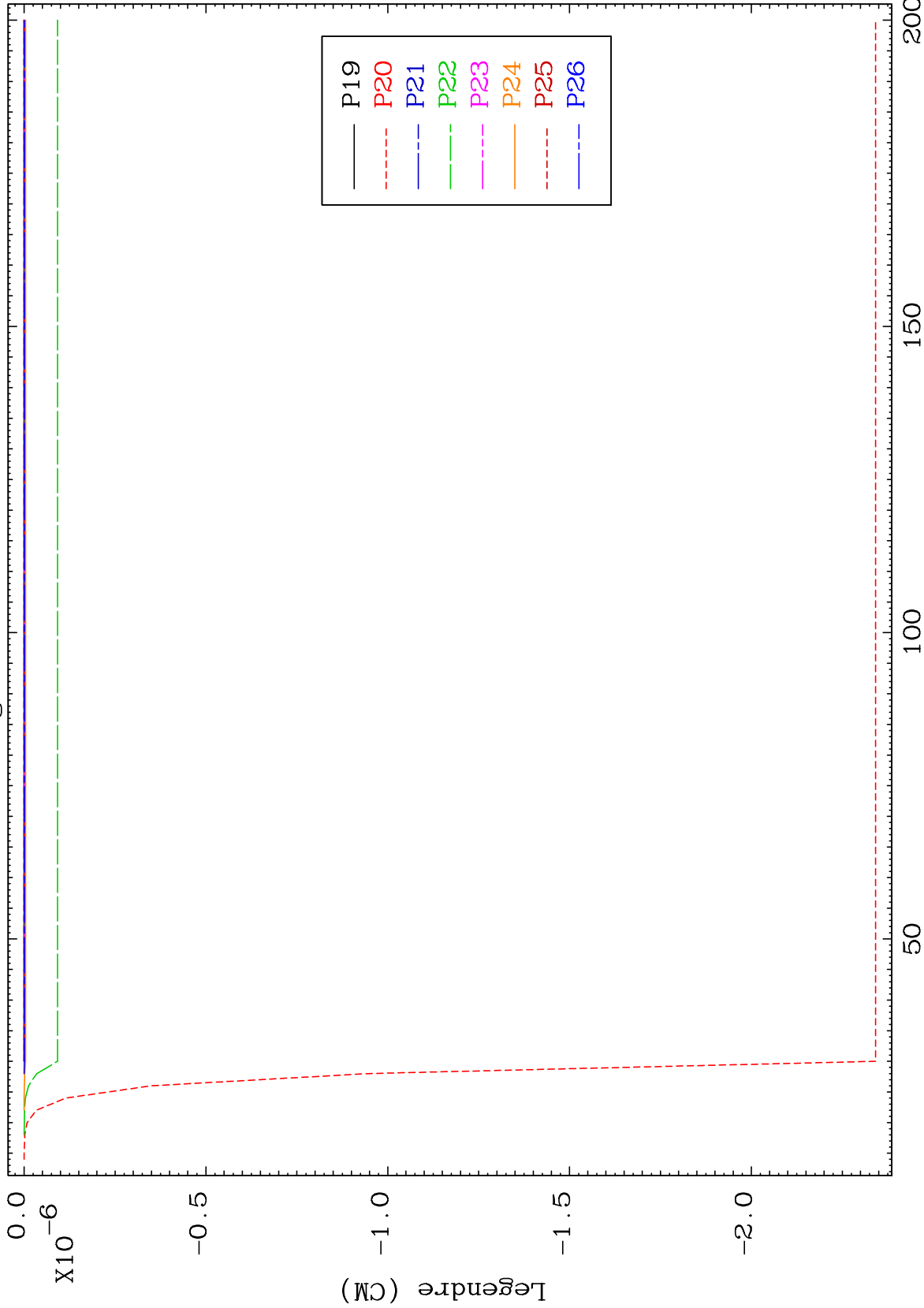


77 54-Xe-130

MAT 5443

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

54-Xe-130

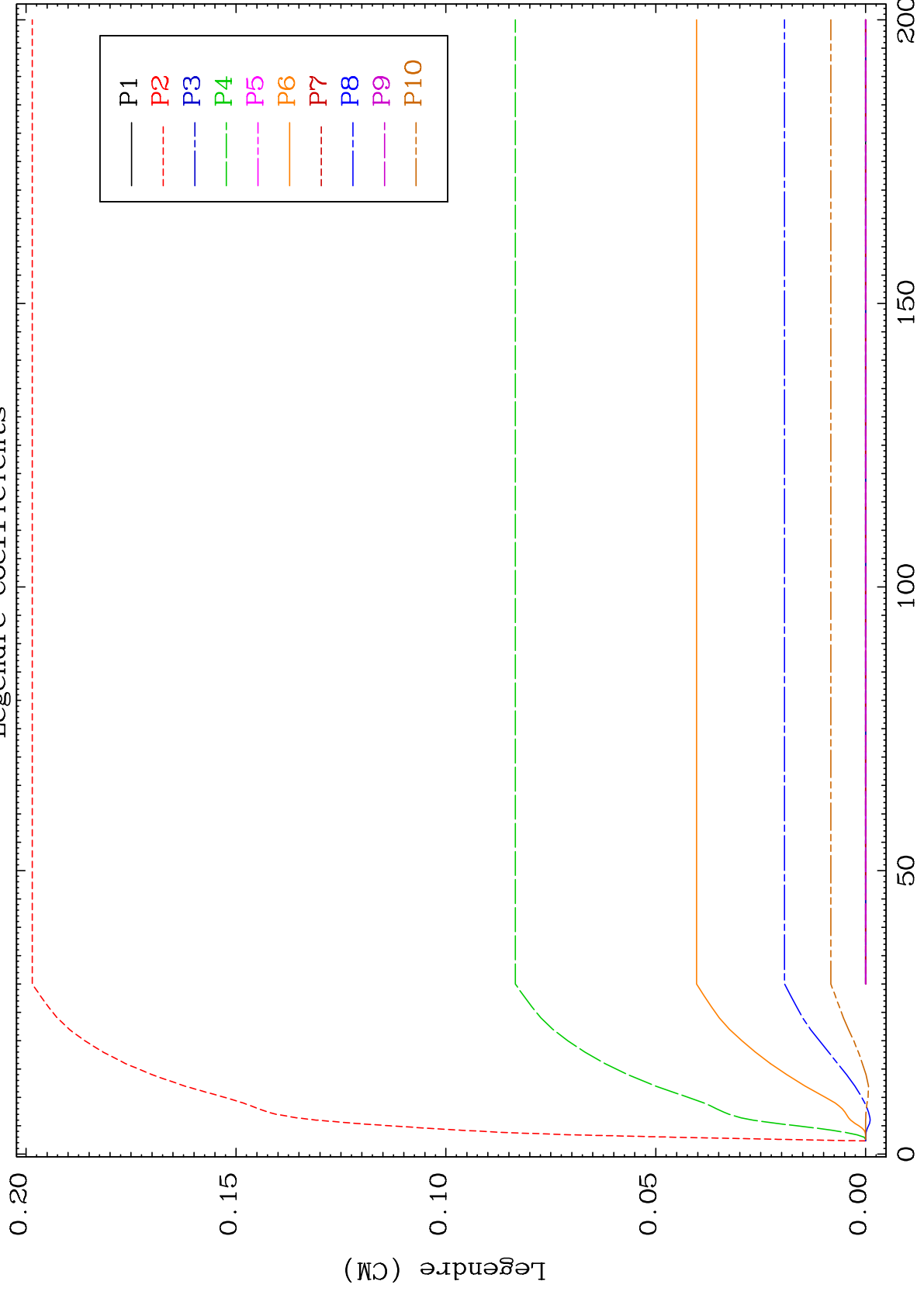


78

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-130



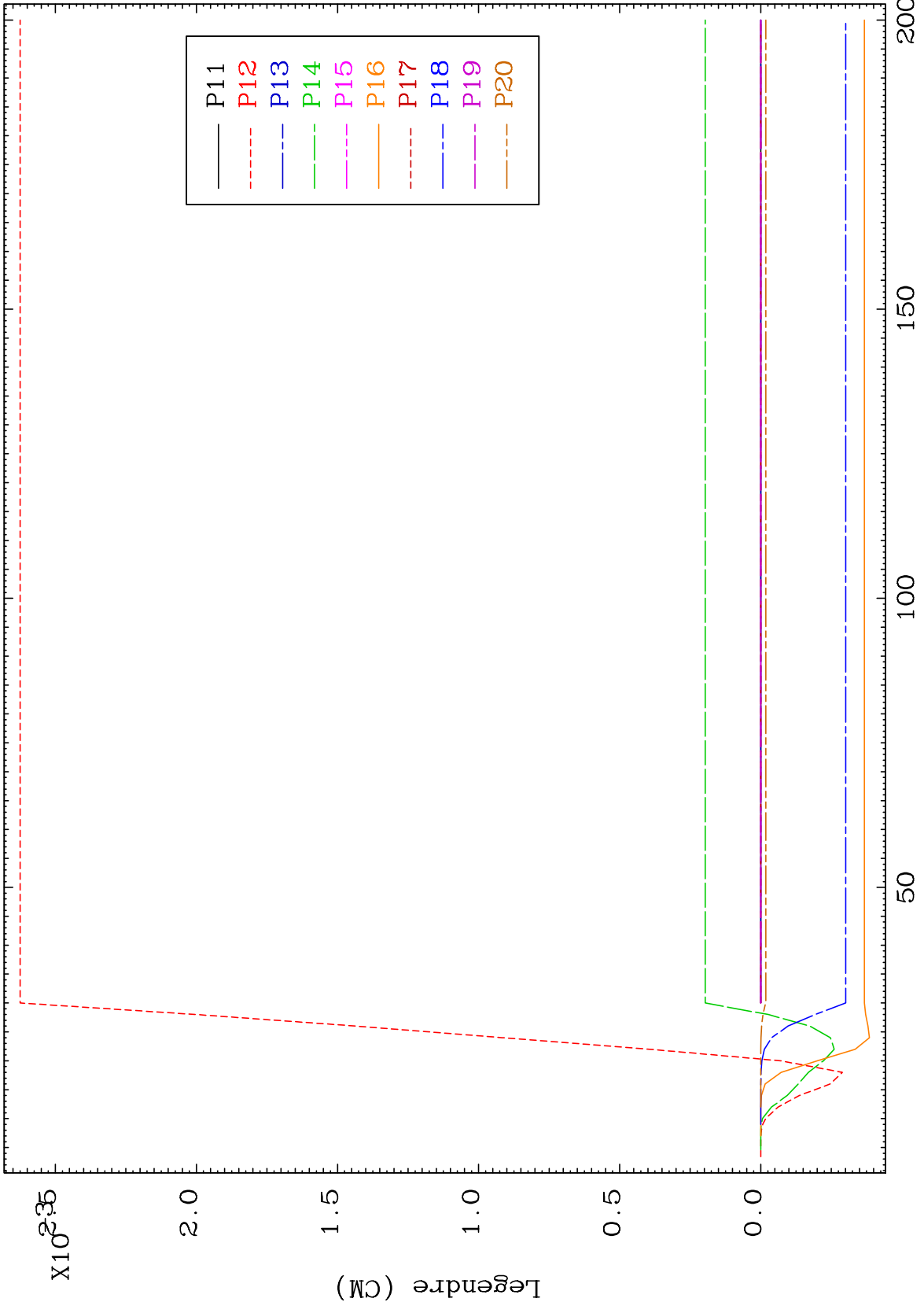
79 Incident Energy (MeV) 54-Xe-130



MAT 5443

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

54-Xe-130

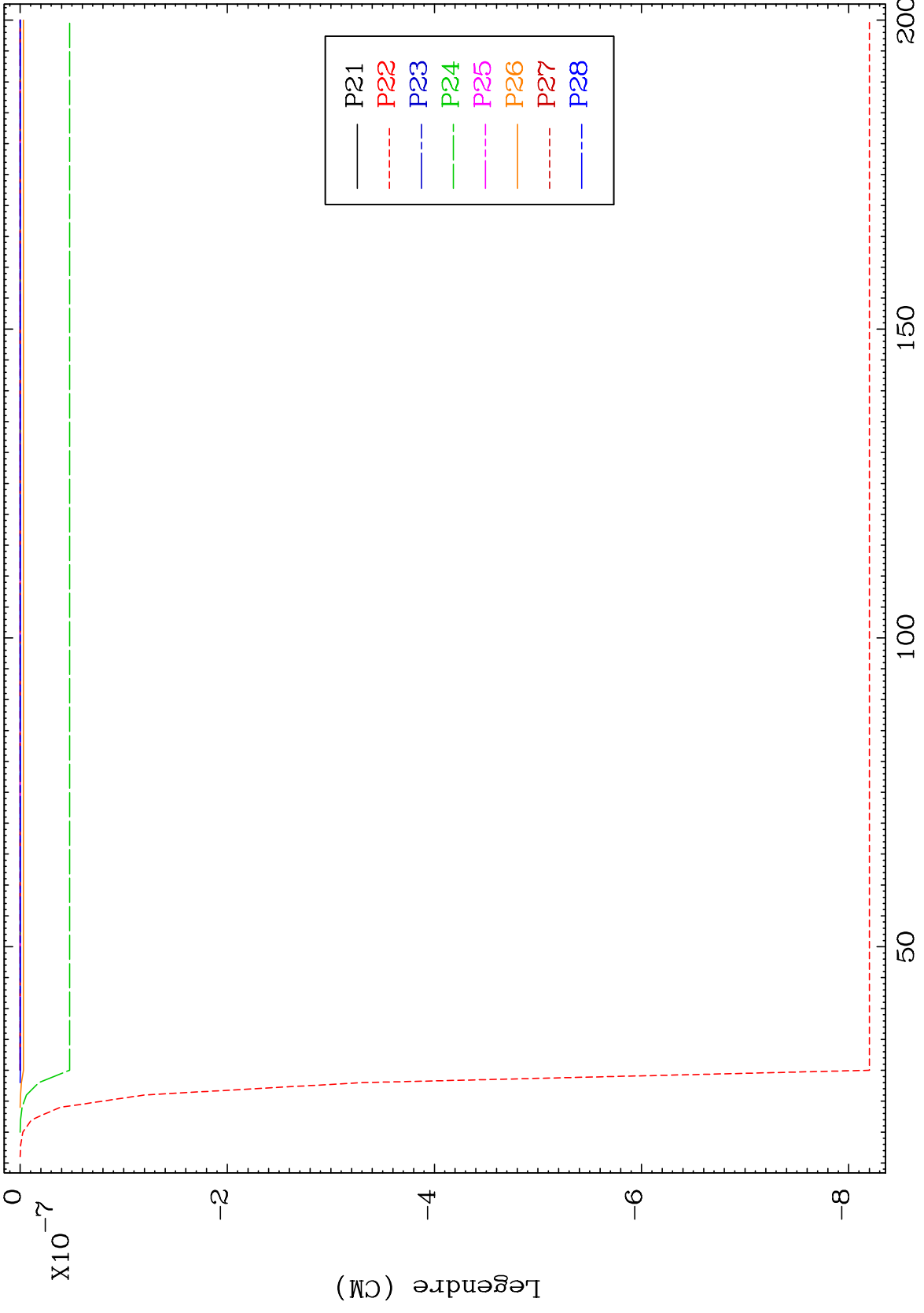


80

Incident Energy (MeV)

54-Xe-130

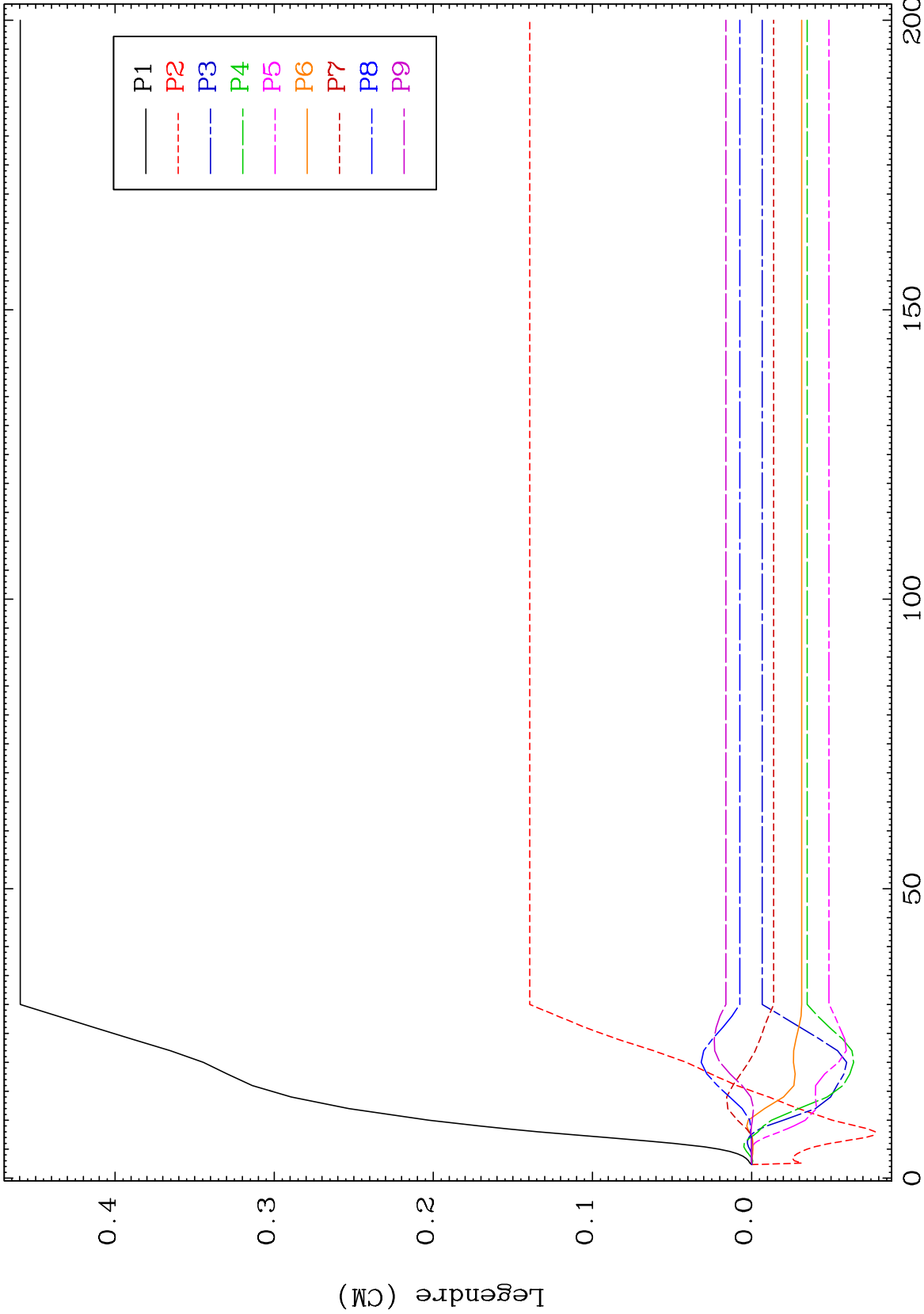
MAT 5443 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-130



MAT 5443

MT= 69 (n,n') Level  
Legendre Coefficients

54-Xe-130



82

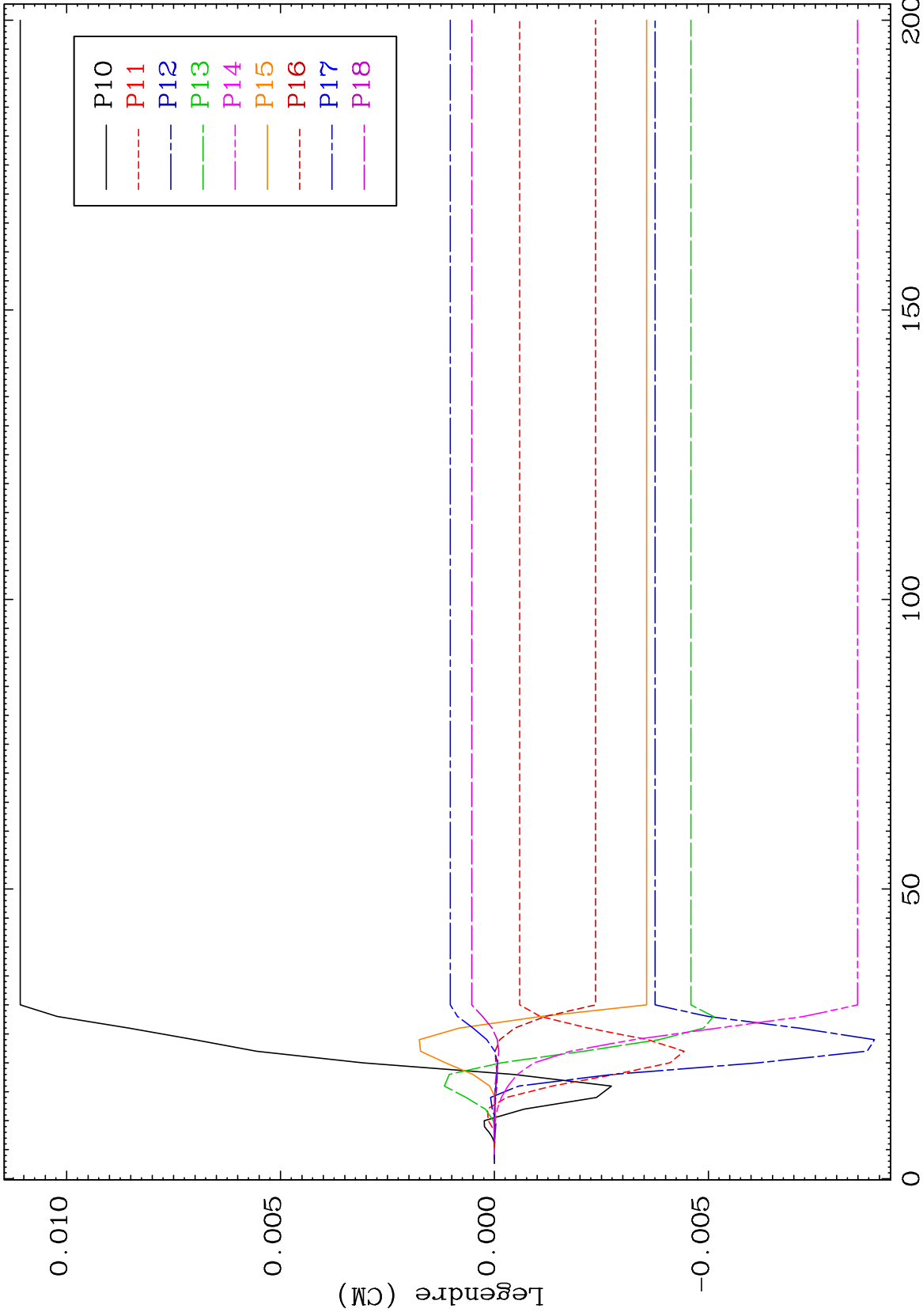
Incident Energy (MeV)

54-Xe-130

MAT 5443

MT= 69 (n,n') Level  
Legendre Coefficients

54-Xe-130



83

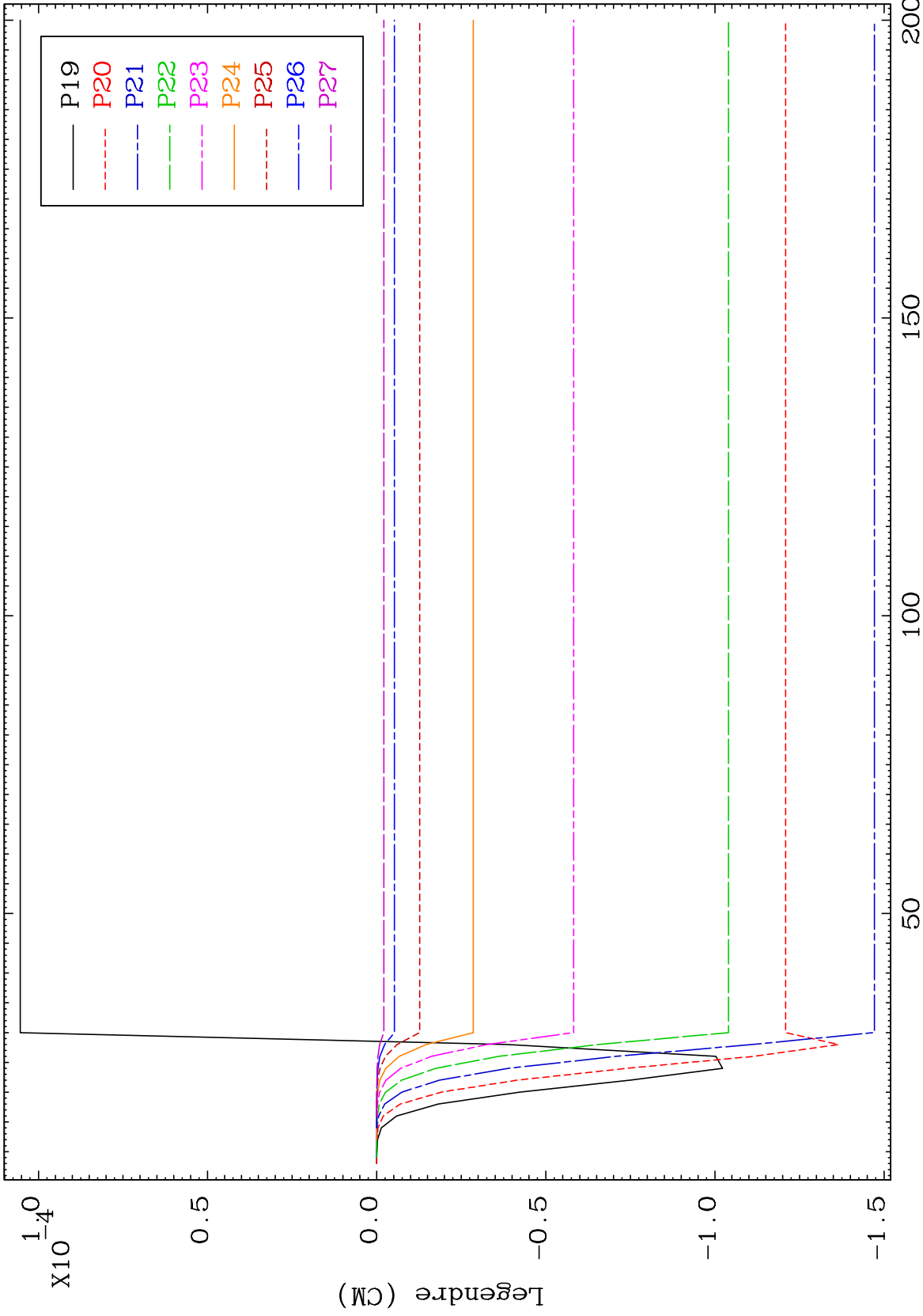
Incident Energy (MeV)

54-Xe-130

MAT 5443

MT= 69 (n,n') Level  
Legendre Coefficients

54-Xe-130

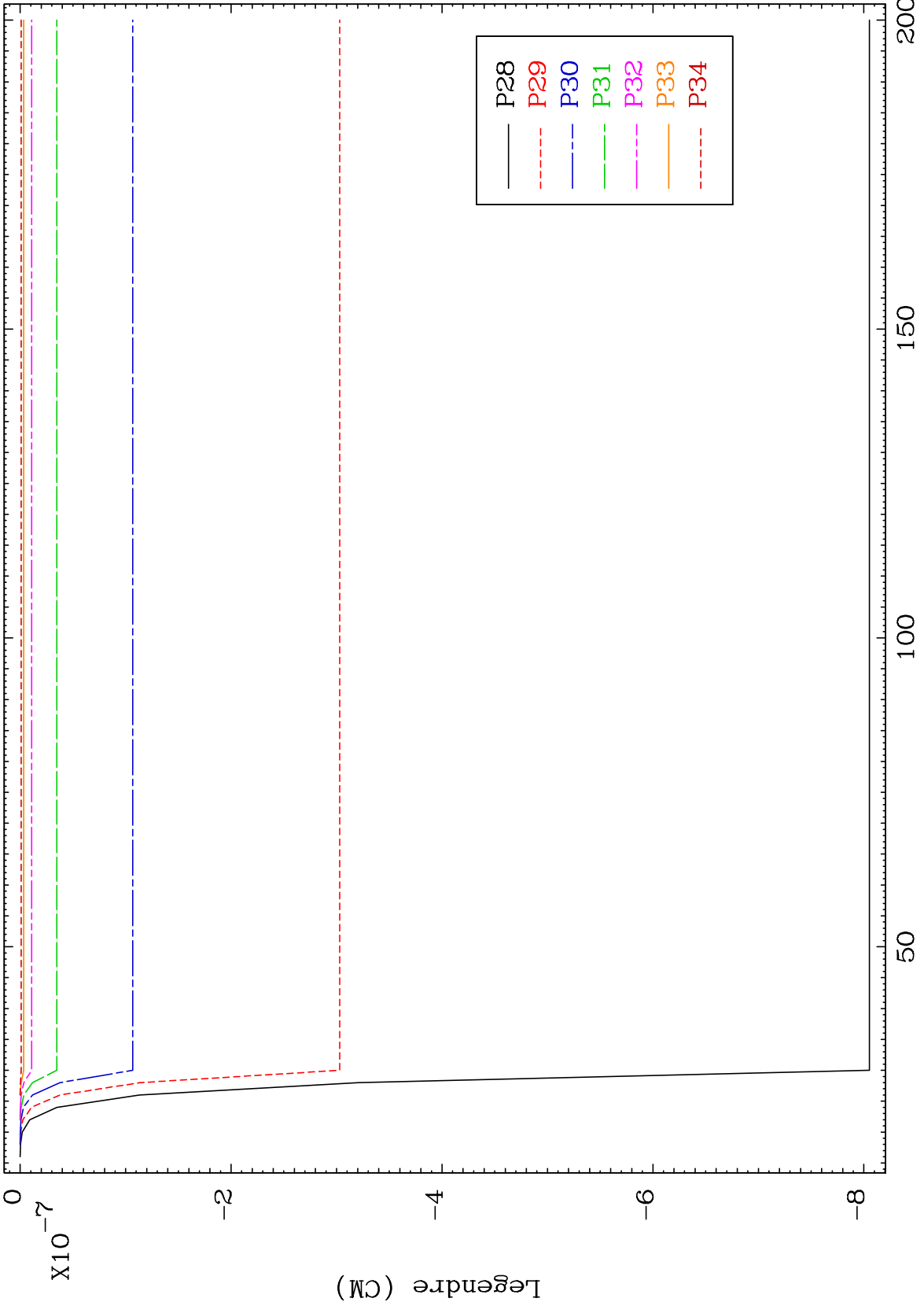


84

Incident Energy (MeV)

54-Xe-130

MAT 5443 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-130

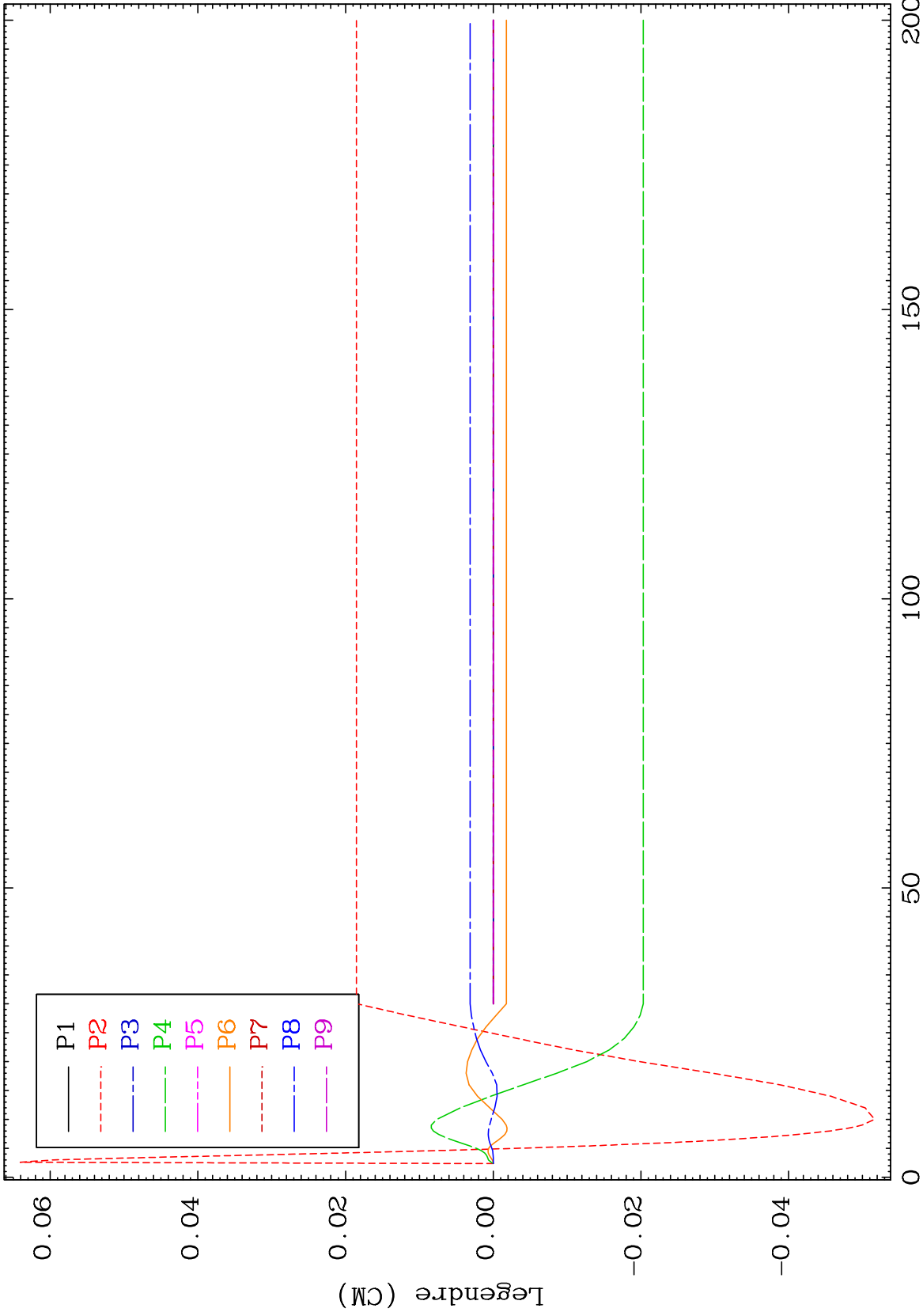


85 54-Xe-130

MAT 5443

MT= 70 (n,n') Level  
Legendre Coefficients

54-Xe-130



86

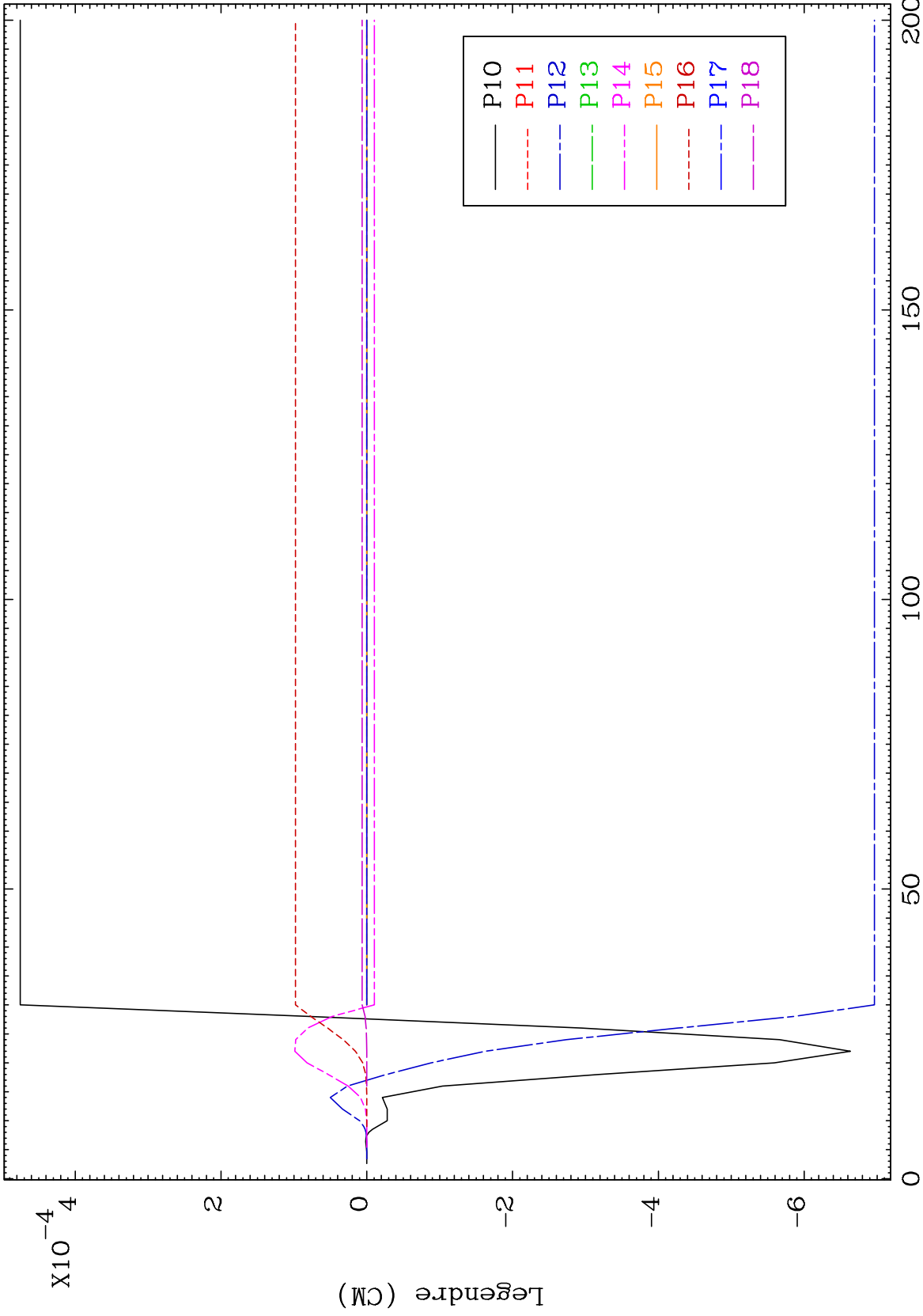
Incident Energy (MeV)

54-Xe-130

MAT 5443

MT= 70 (n,n') Level  
Legendre Coefficients

54-Xe-130



87

Incident Energy (MeV)

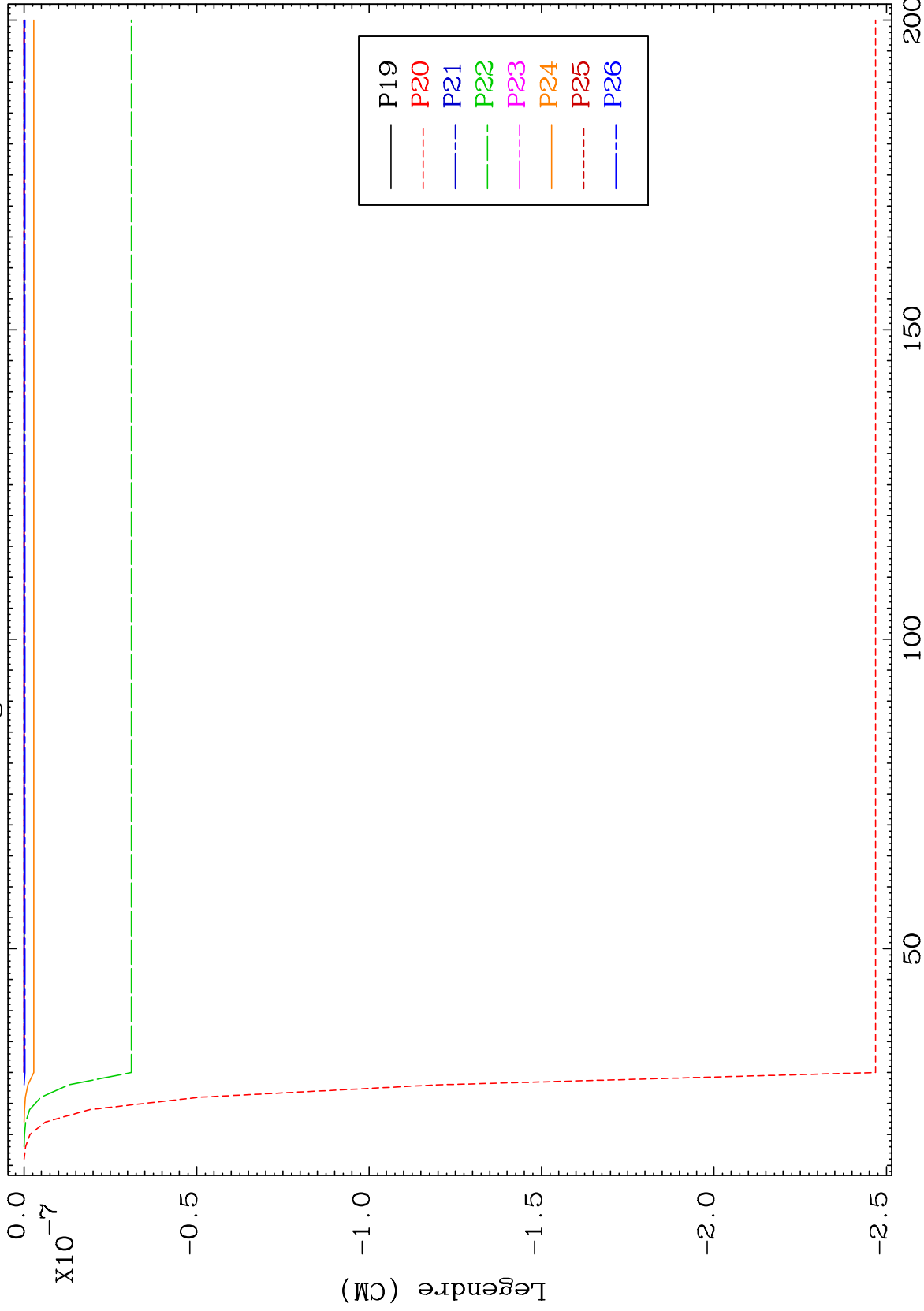
54-Xe-130



MAT 5443

MT= 70 (n,n') Level  
Legendre Coefficients

54-Xe-130



88

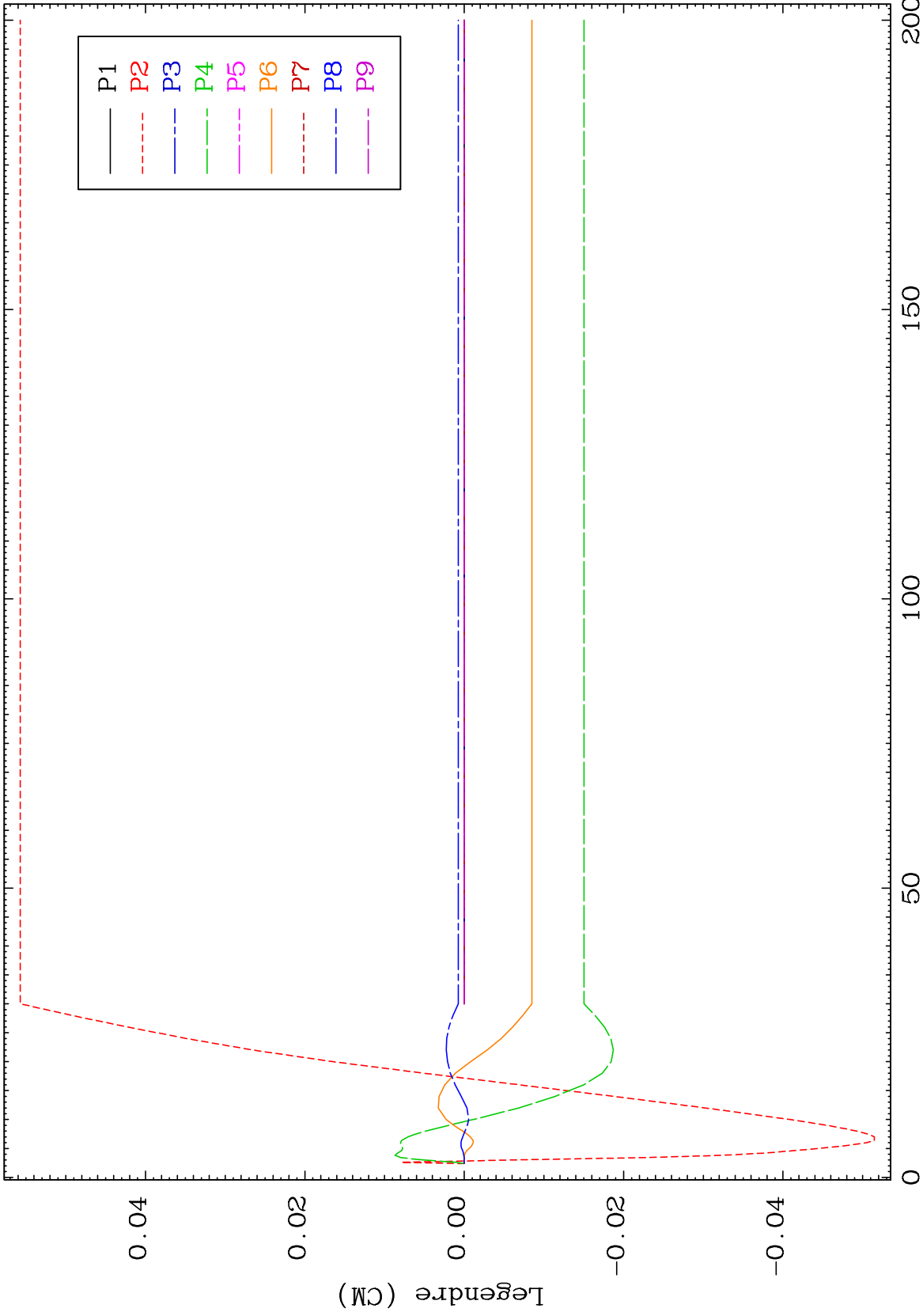
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



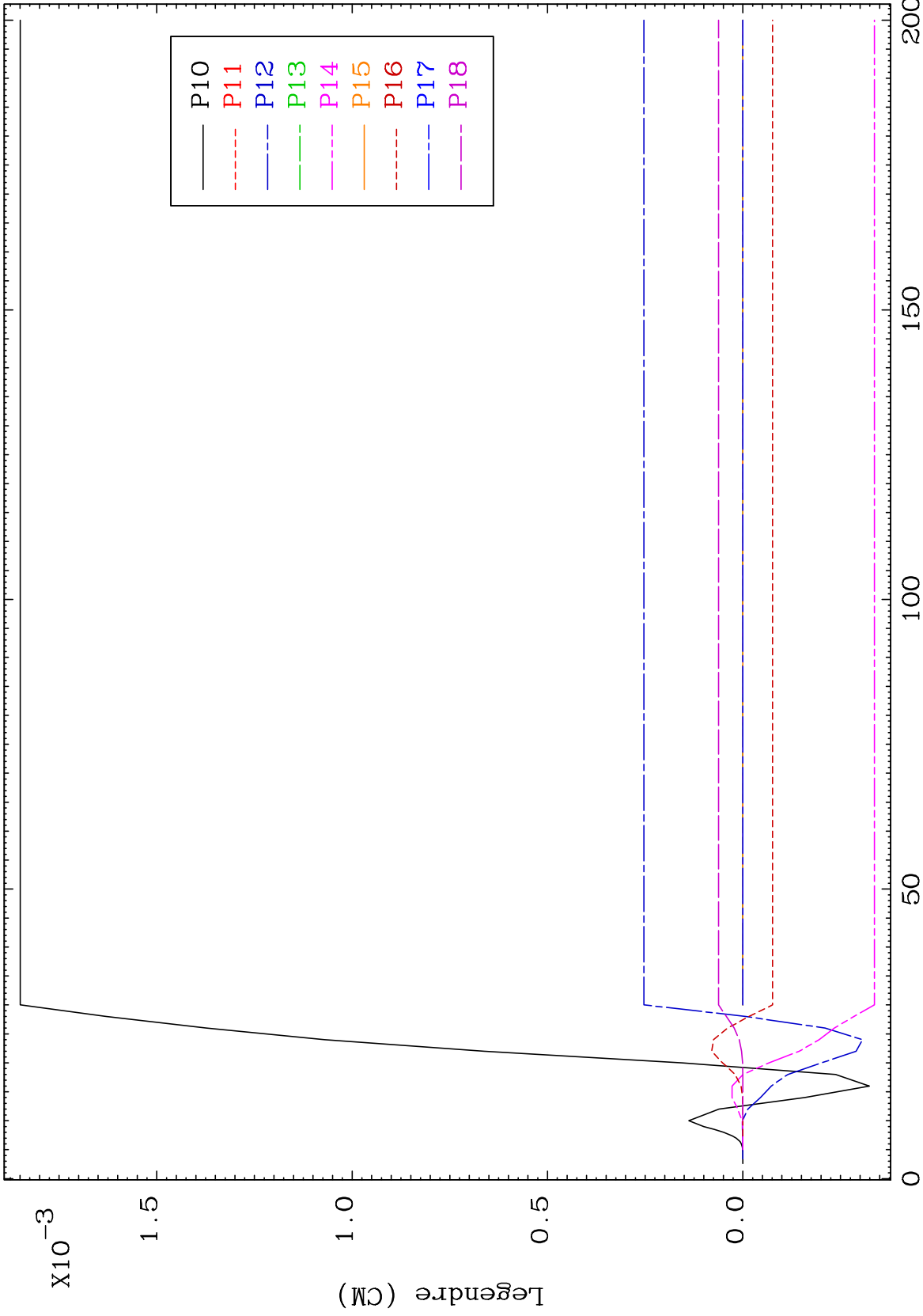
89

54-Xe-130

MAT 5443

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

54-Xe-130



90

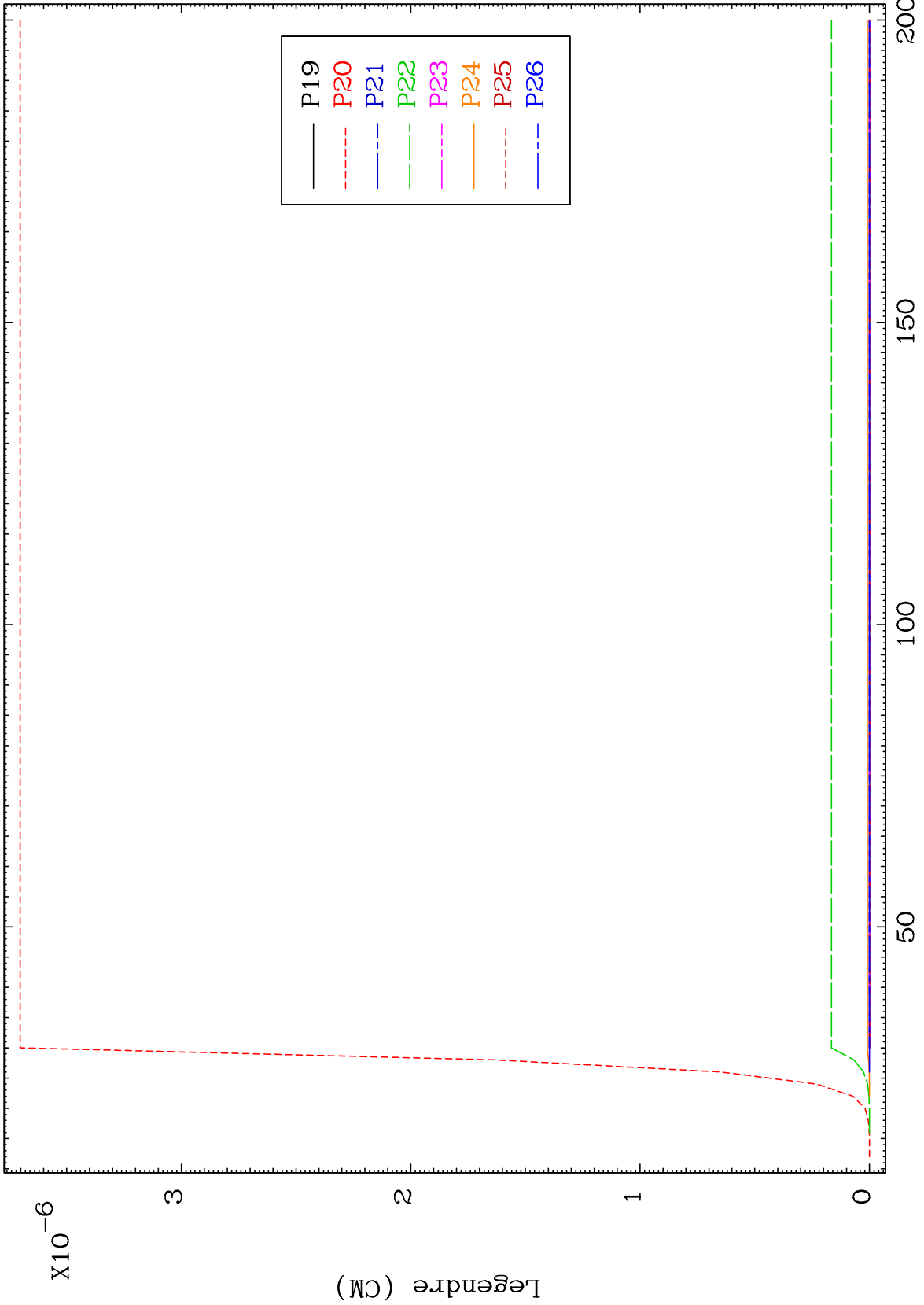
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



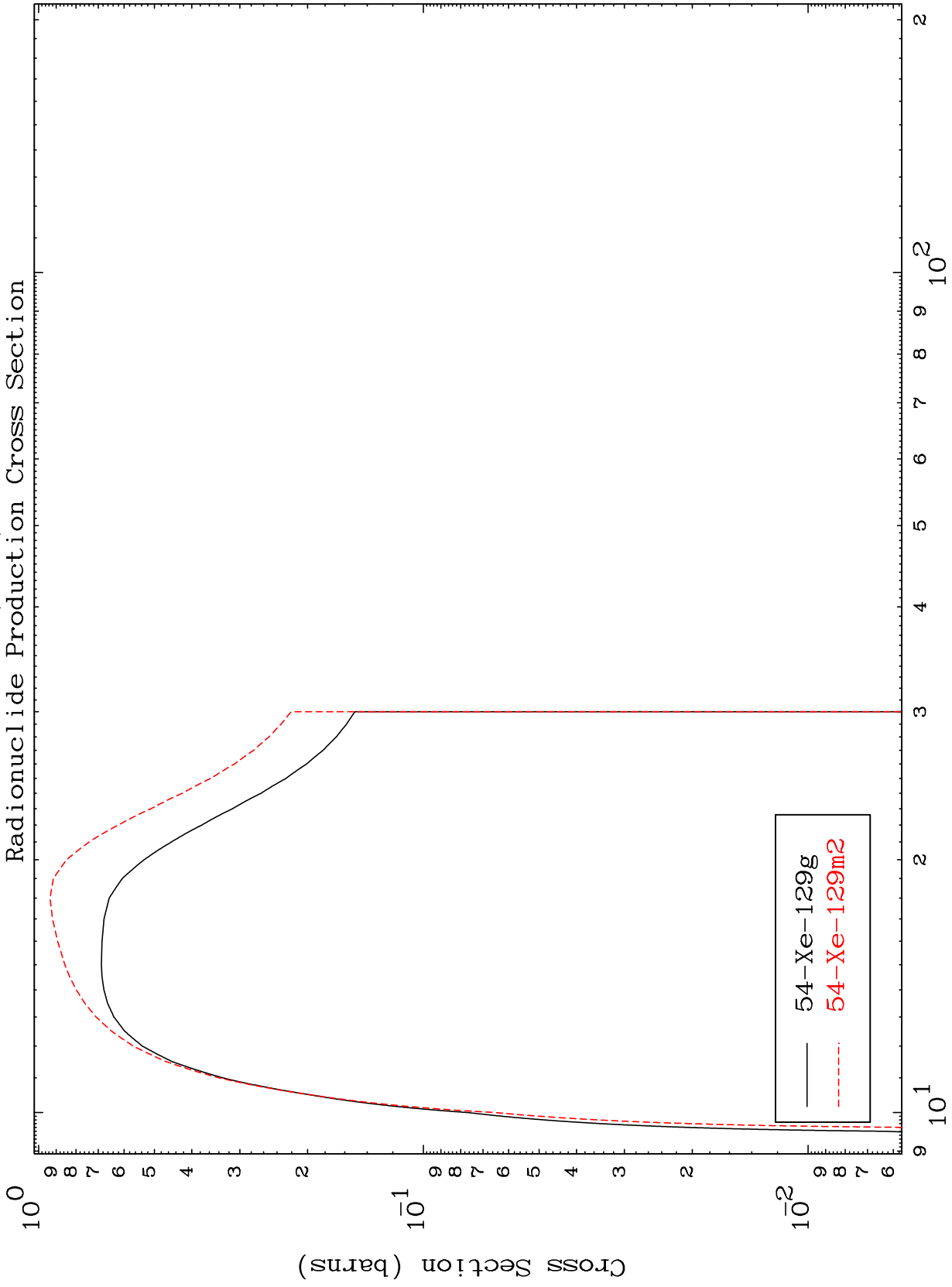
91

54-Xe-130

54-Xe-130

MAT 5443

(n,2n)  
Radionuclide Production Cross Section



54-Xe-130

Incident Energy (MeV)

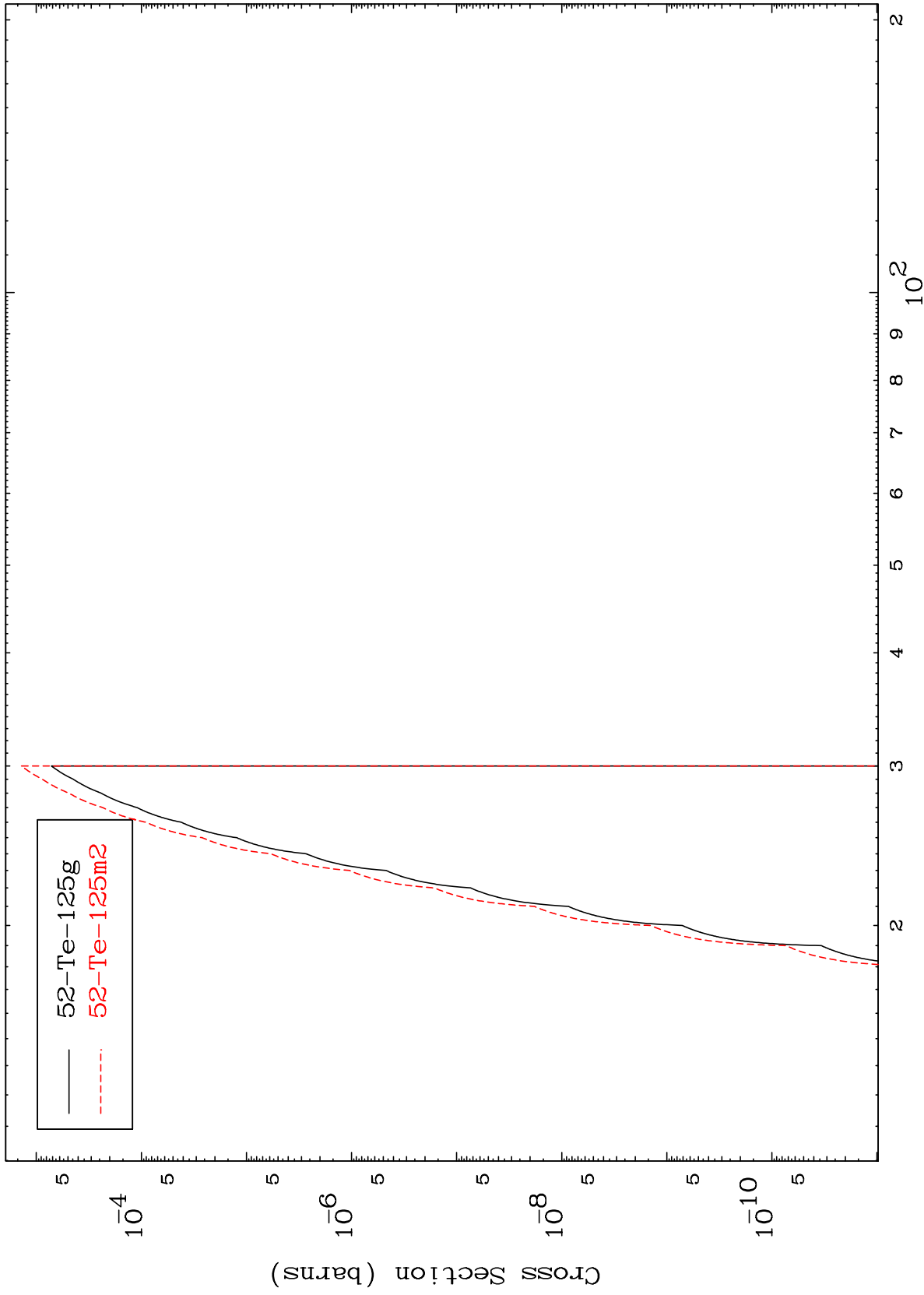
92

MAT 5443

(n,2n)  $\alpha$

54-Xe-130

Radionuclide Production Cross Section



93

Incident Energy (MeV)

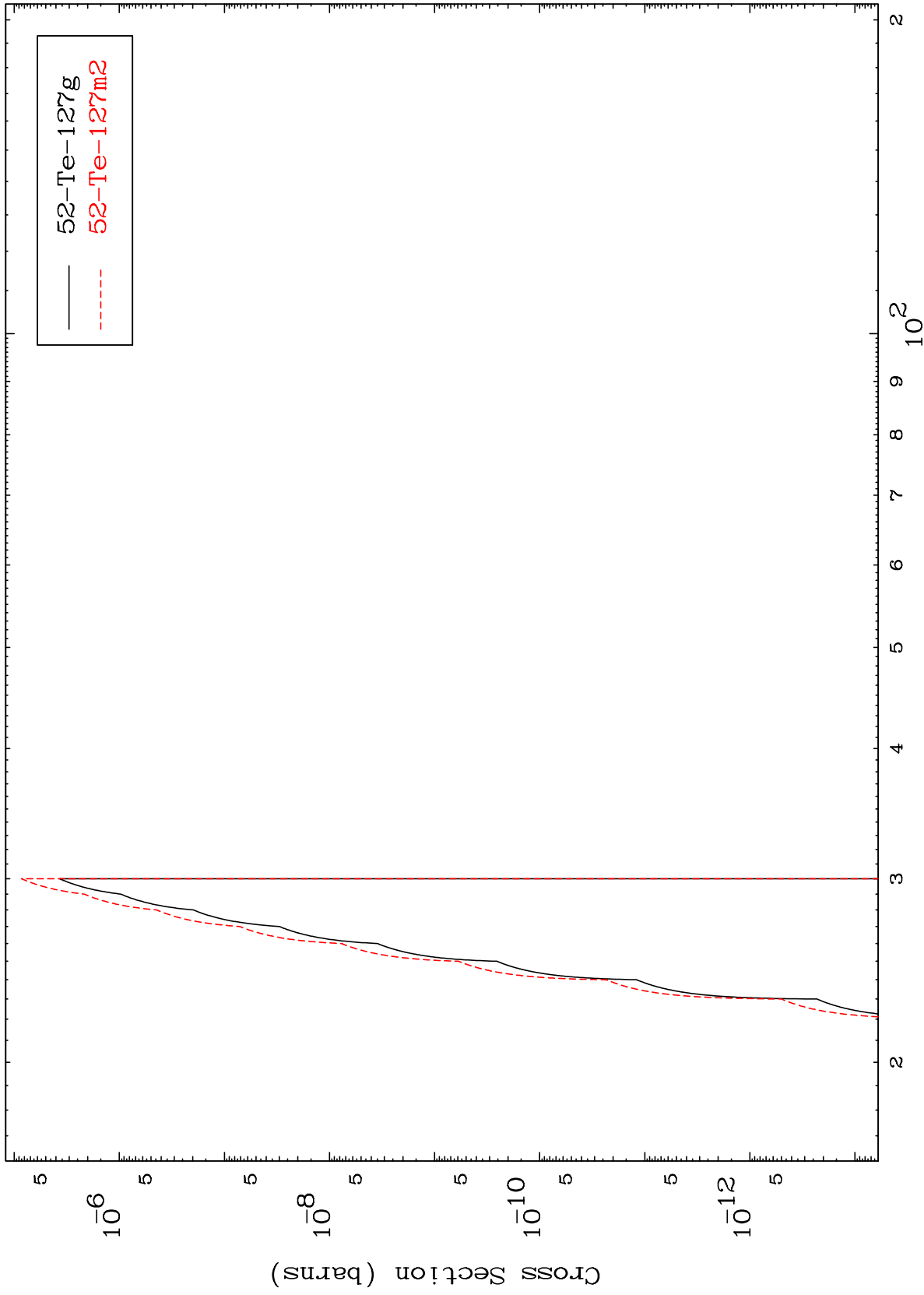
54-Xe-130

MAT 5443

(n, n') He-3

54-Xe-130

Radionuclide Production Cross Section



94

Incident Energy (MeV)

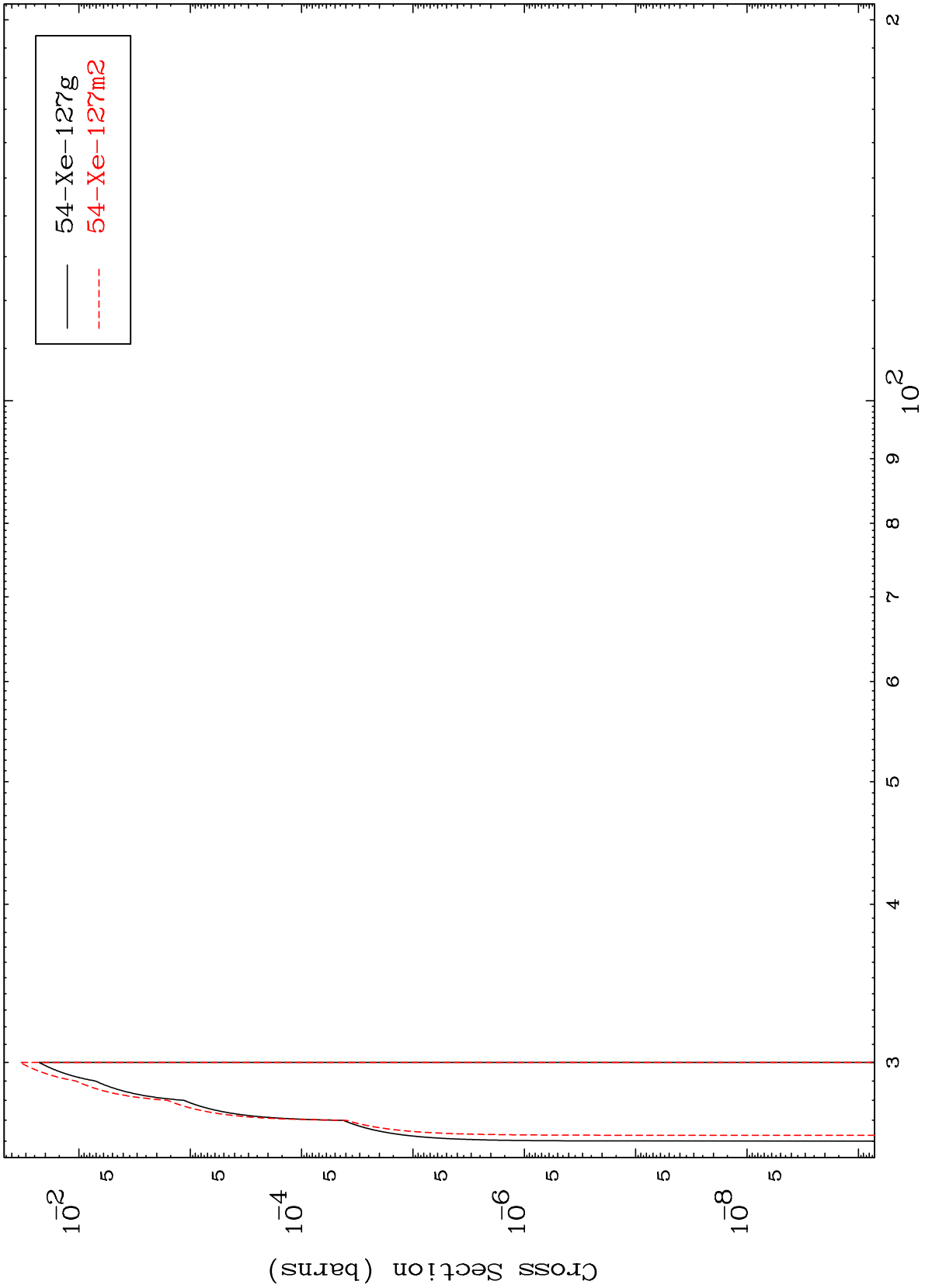
54-Xe-130

MAT 5443

(n,4n)

54-Xe-130

Radionuclide Production Cross Section



54-Xe-127g  
54-Xe-127m2

95

Incident Energy (MeV)

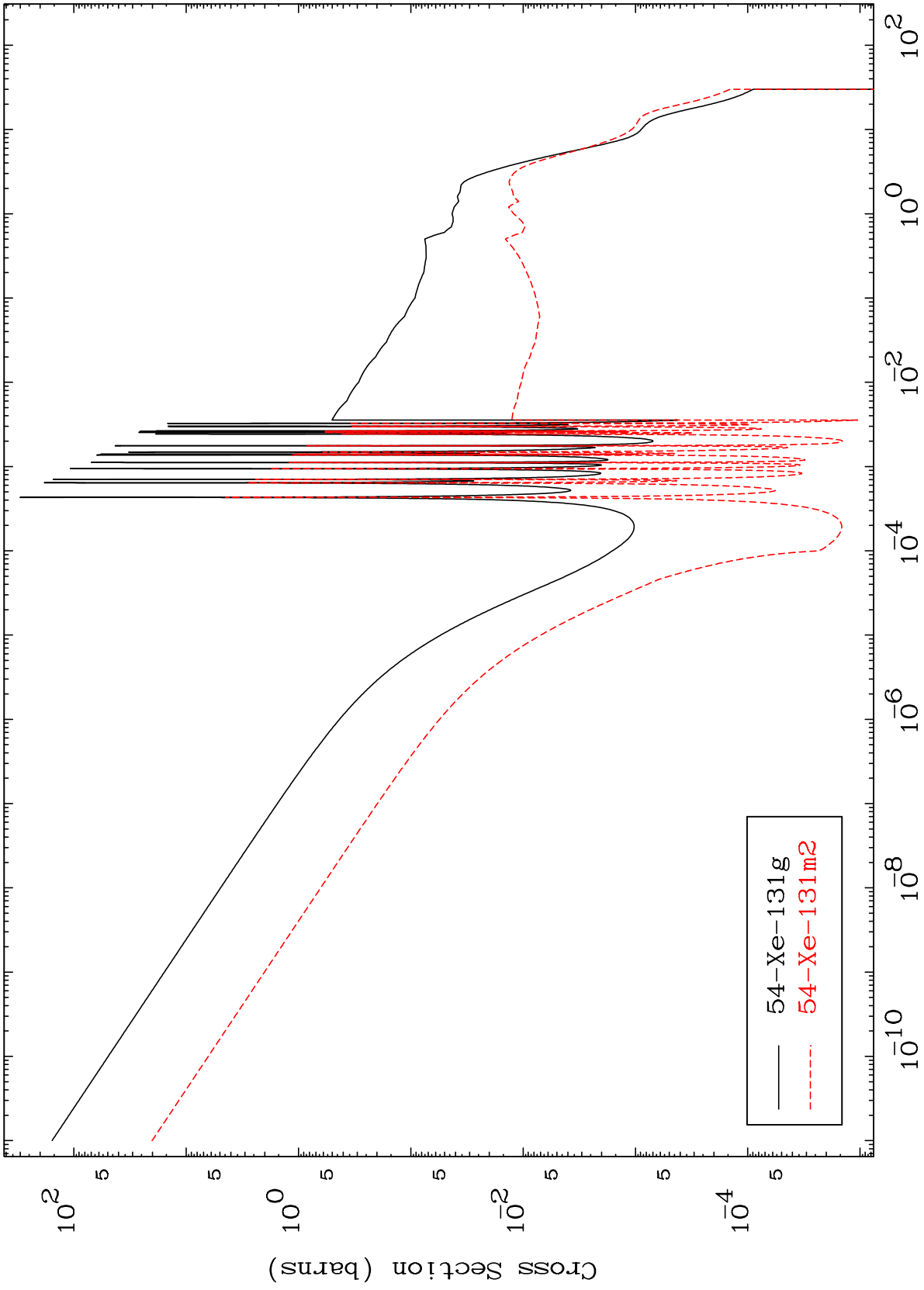
54-Xe-130



MAT 5443

54-Xe-130

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



96

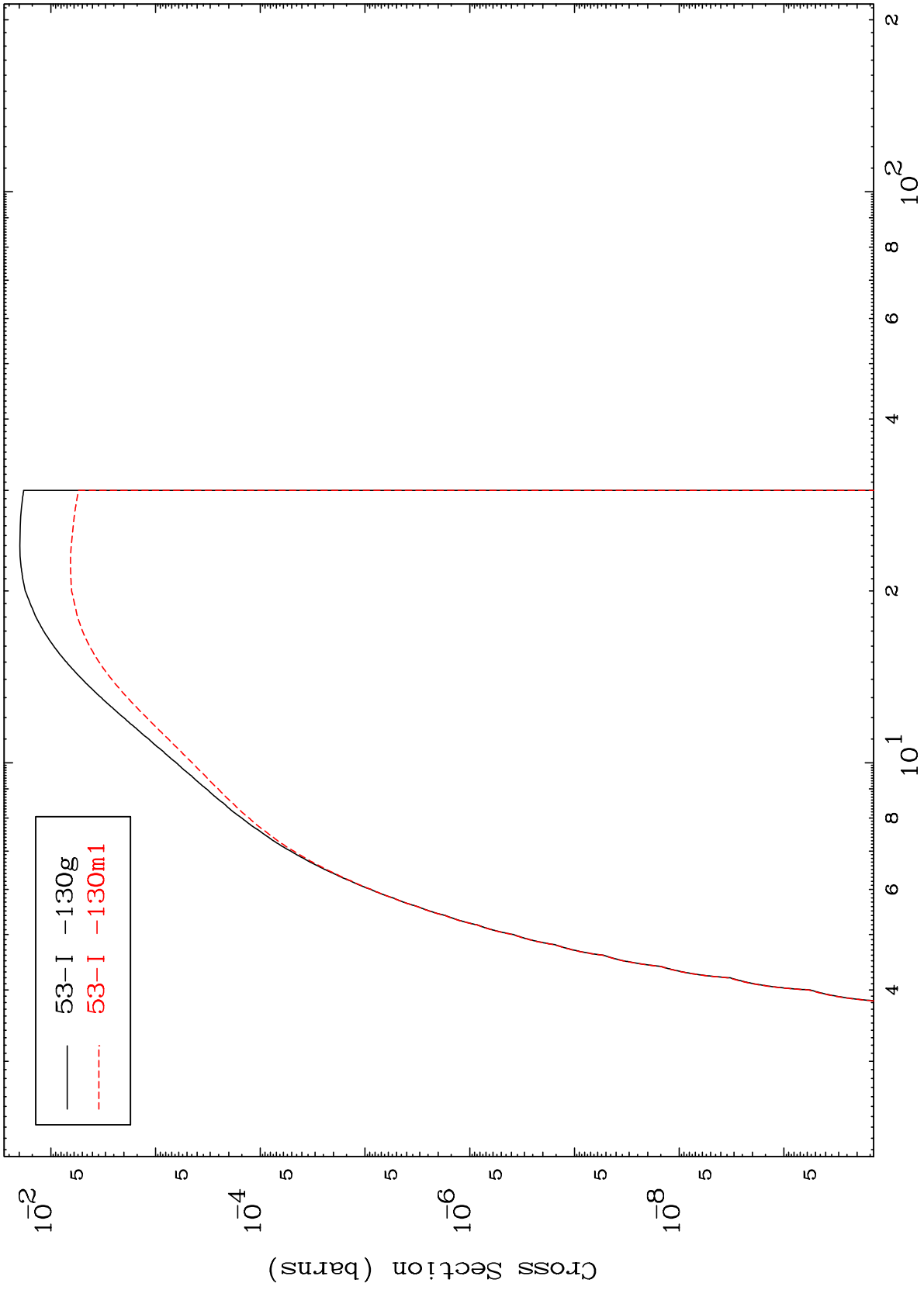
54-Xe-130

Incident Energy (MeV)

MAT 5443

54-Xe-130

(n,p)  
Radionuclide Production Cross Section



97

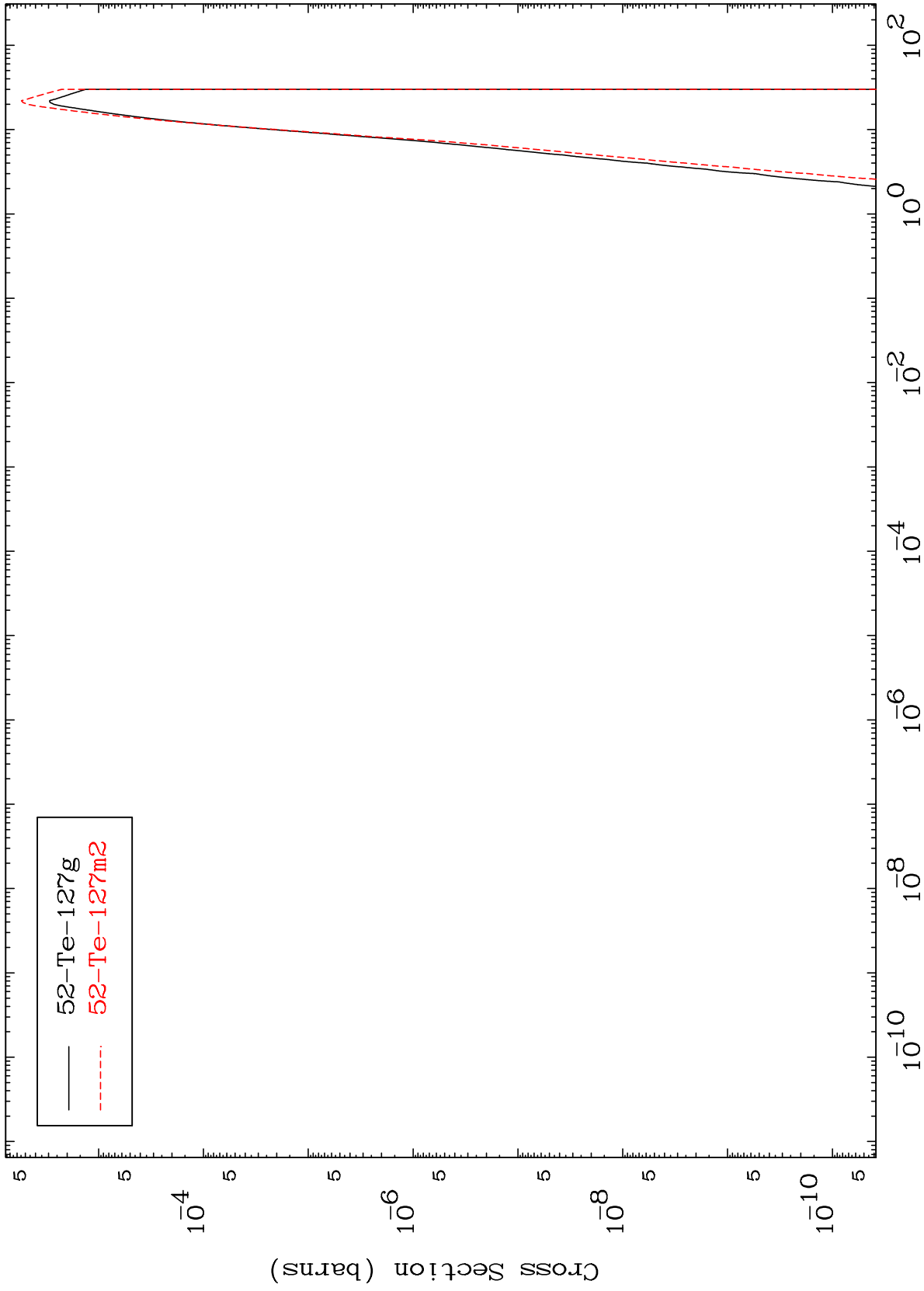
54-Xe-130

MAT 5443

(n,  $\alpha$ )

54-Xe-130

Radionuclide Production Cross Section



98

Incident Energy (MeV)

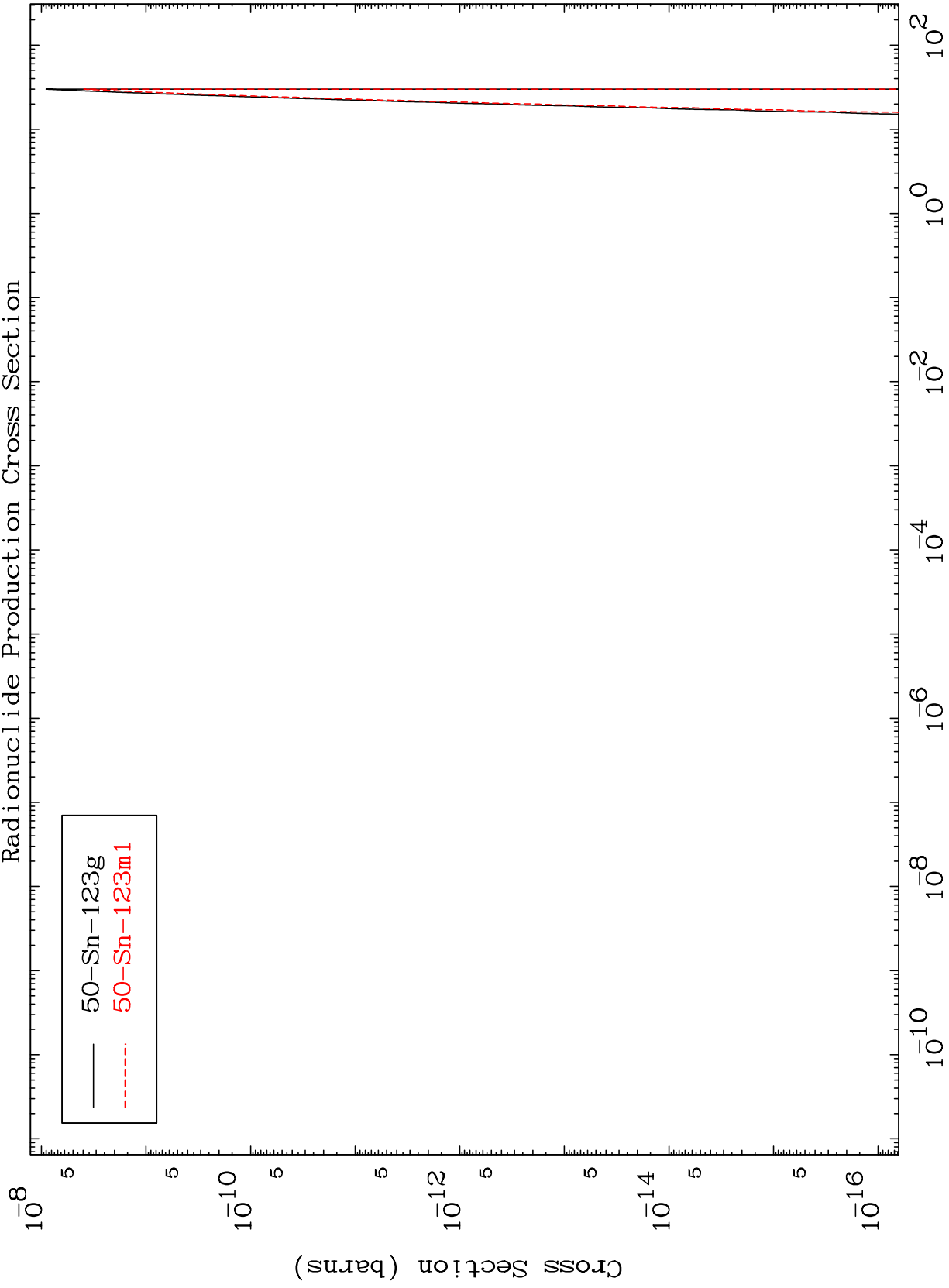
54-Xe-130

MAT 5443

(n,2α)

54-Xe-130

Radionuclide Production Cross Section



99

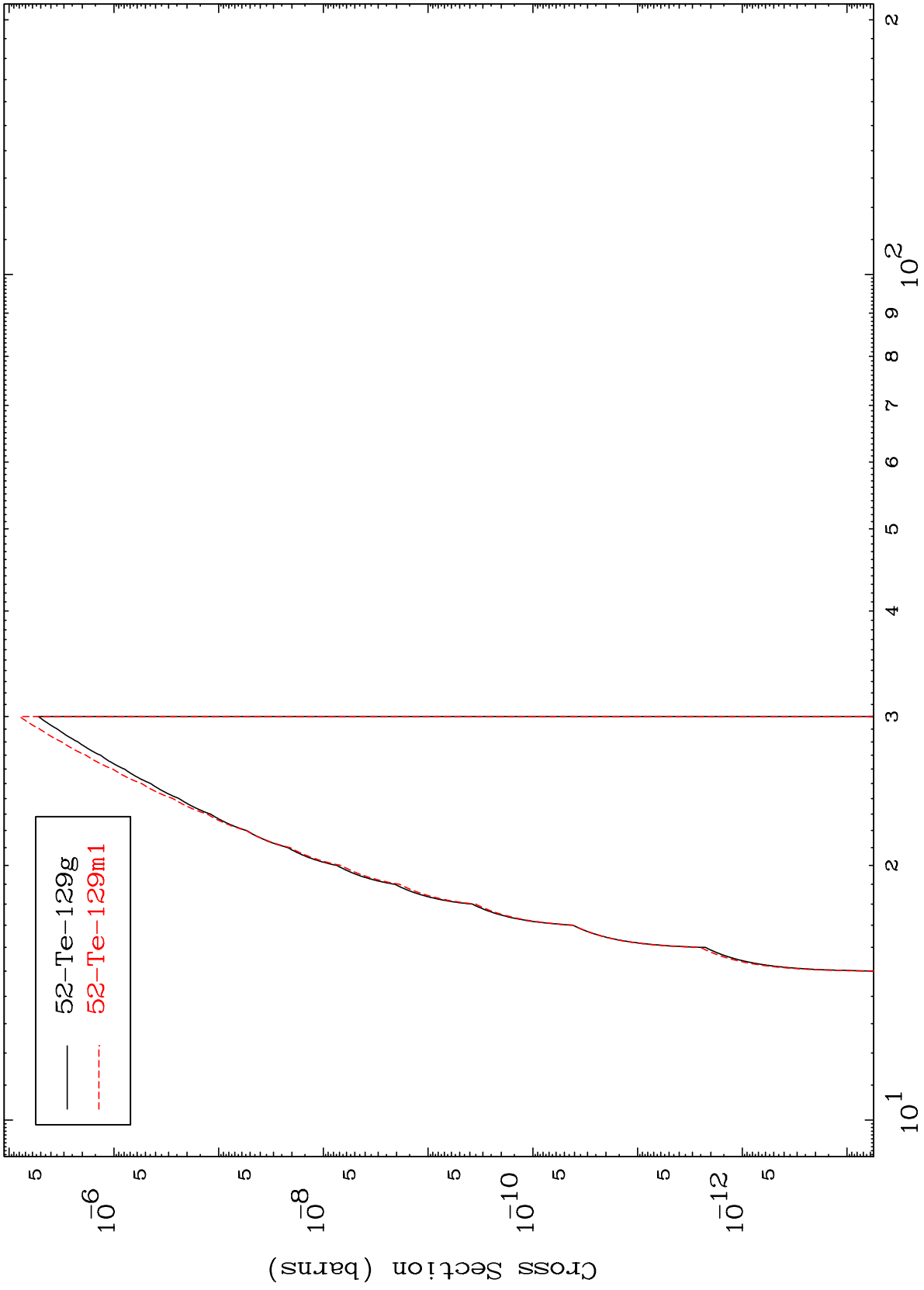
Incident Energy (MeV)

54-Xe-130

MAT 5443

54-Xe-130

(n,2p)  
Radionuclide Production Cross Section

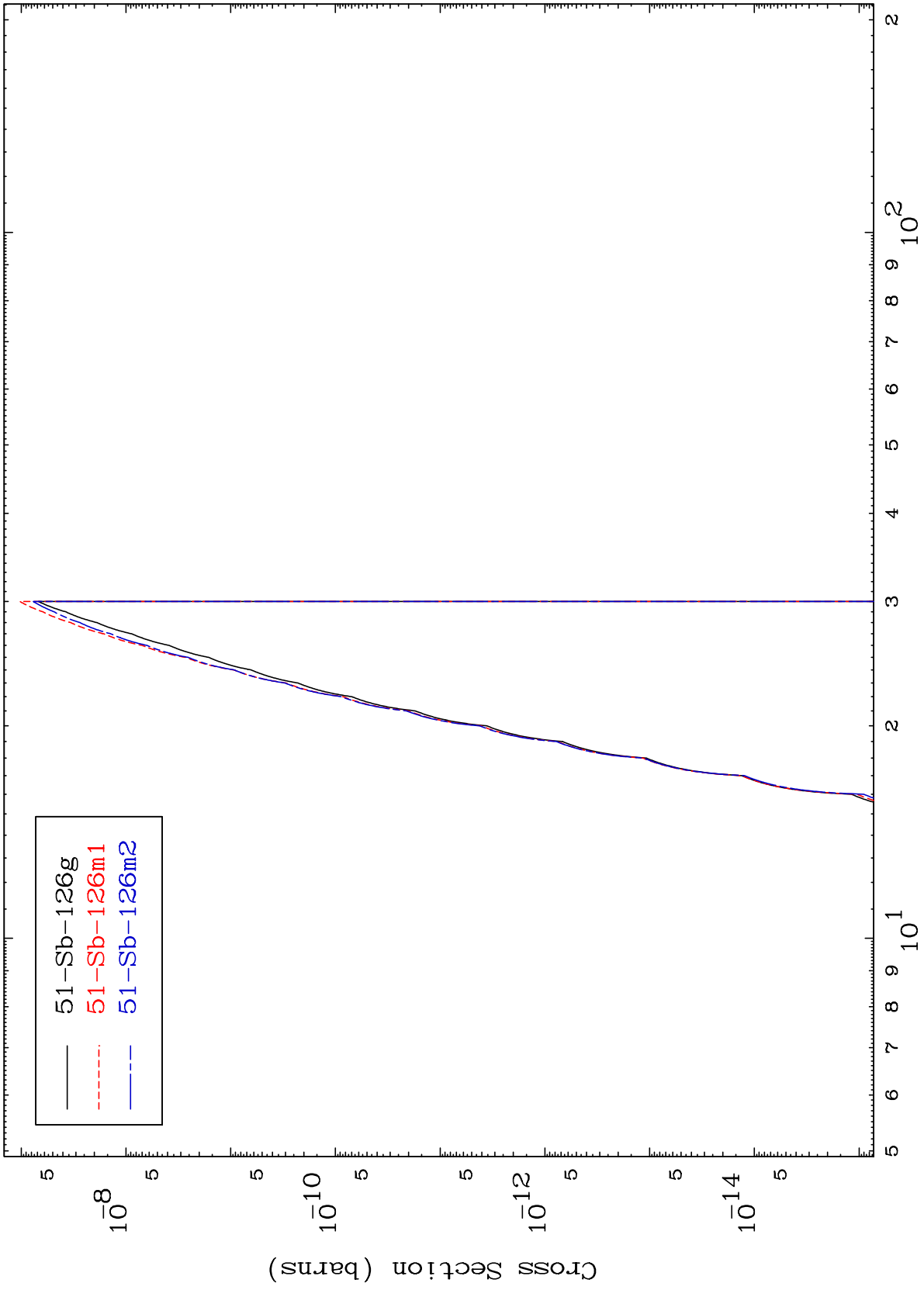


54-Xe-130

MAT 5443

54-Xe-130

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



101

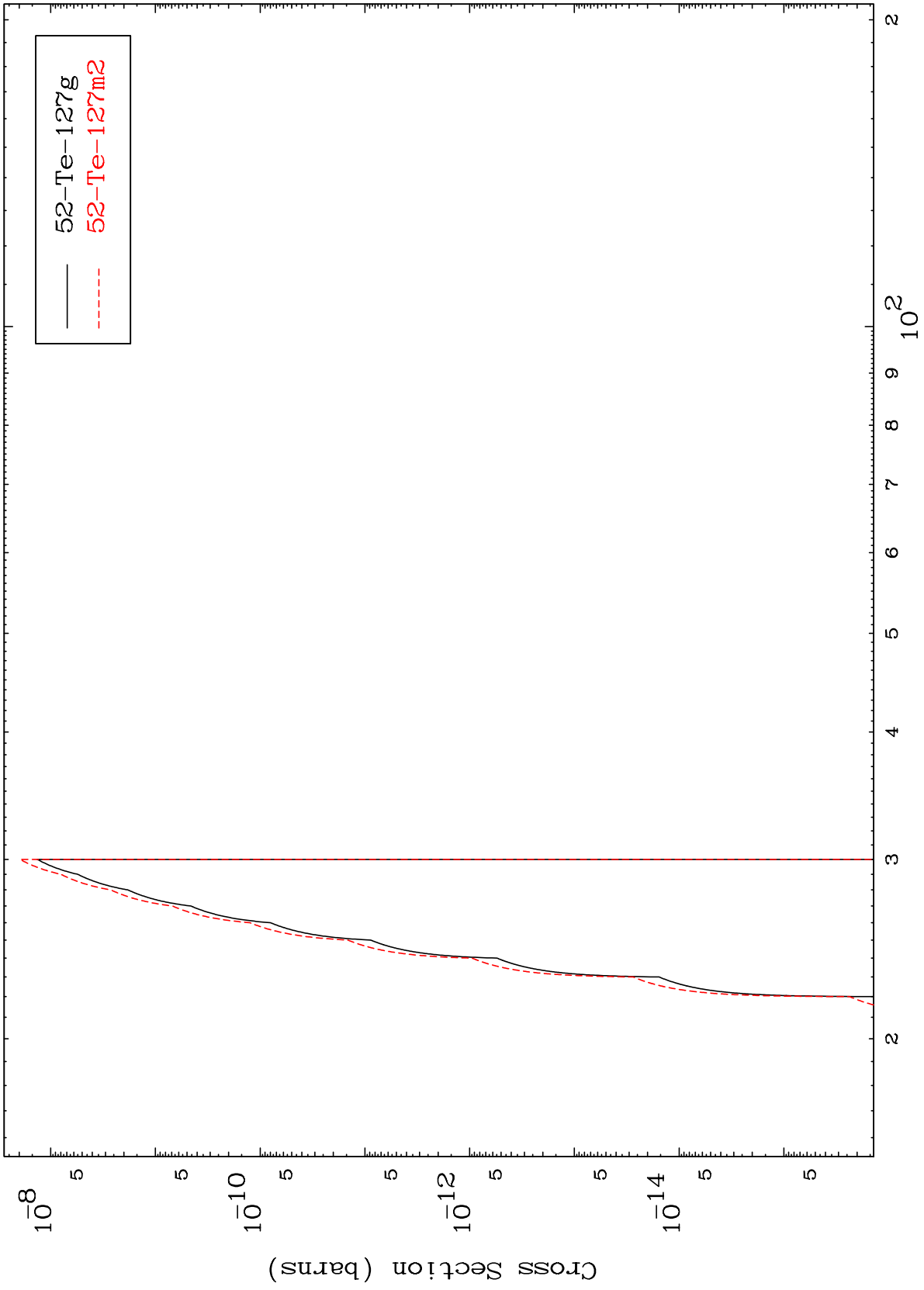
54-Xe-130

MAT 5443

(n,p) t

54-Xe-130

Radionuclide Production Cross Section



102

Incident Energy (MeV)

54-Xe-130