

Program EVALPLOT  
(Version 2018-1)

by

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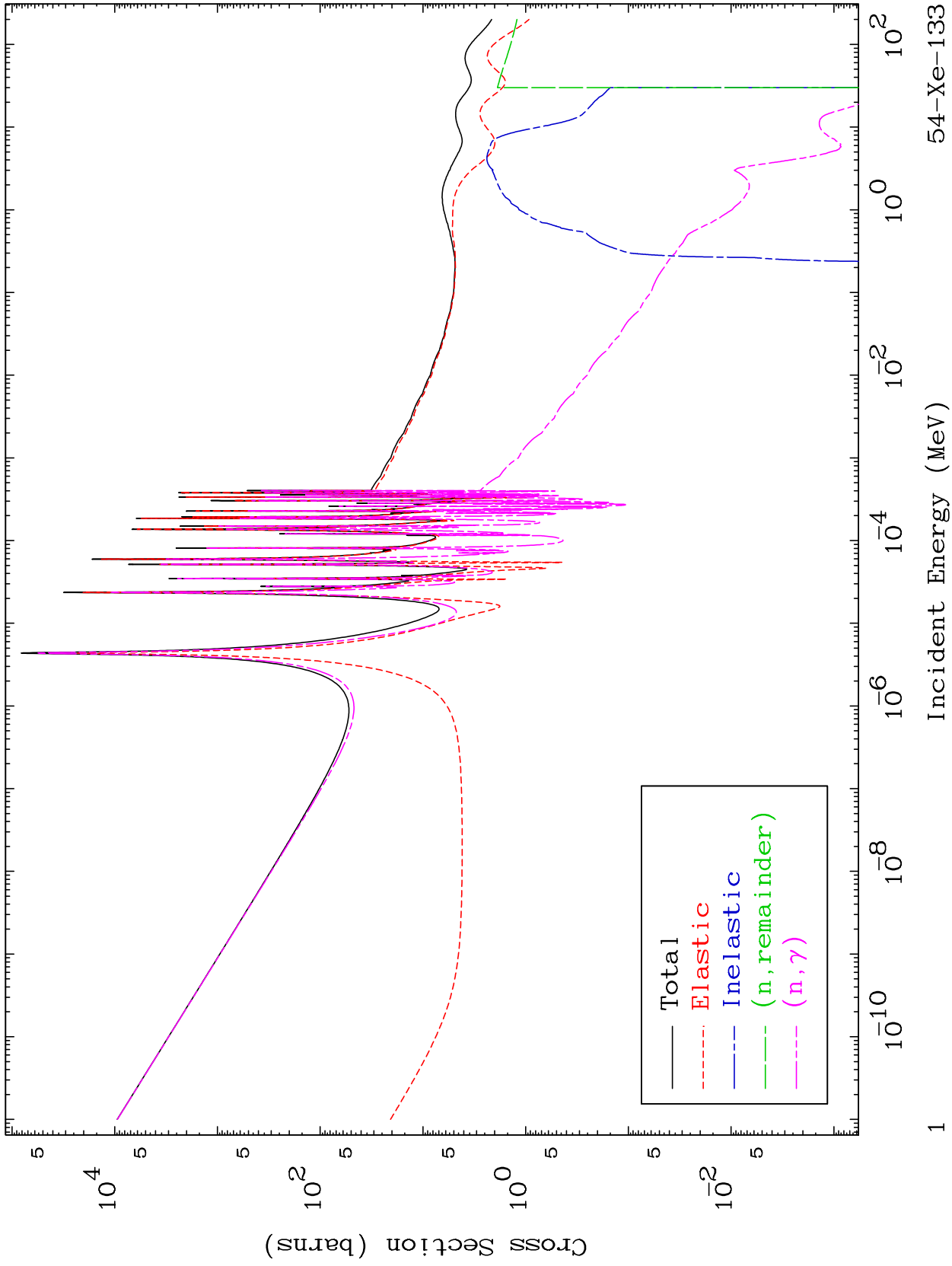
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5452

Major  
293 Kelvin Cross Sections

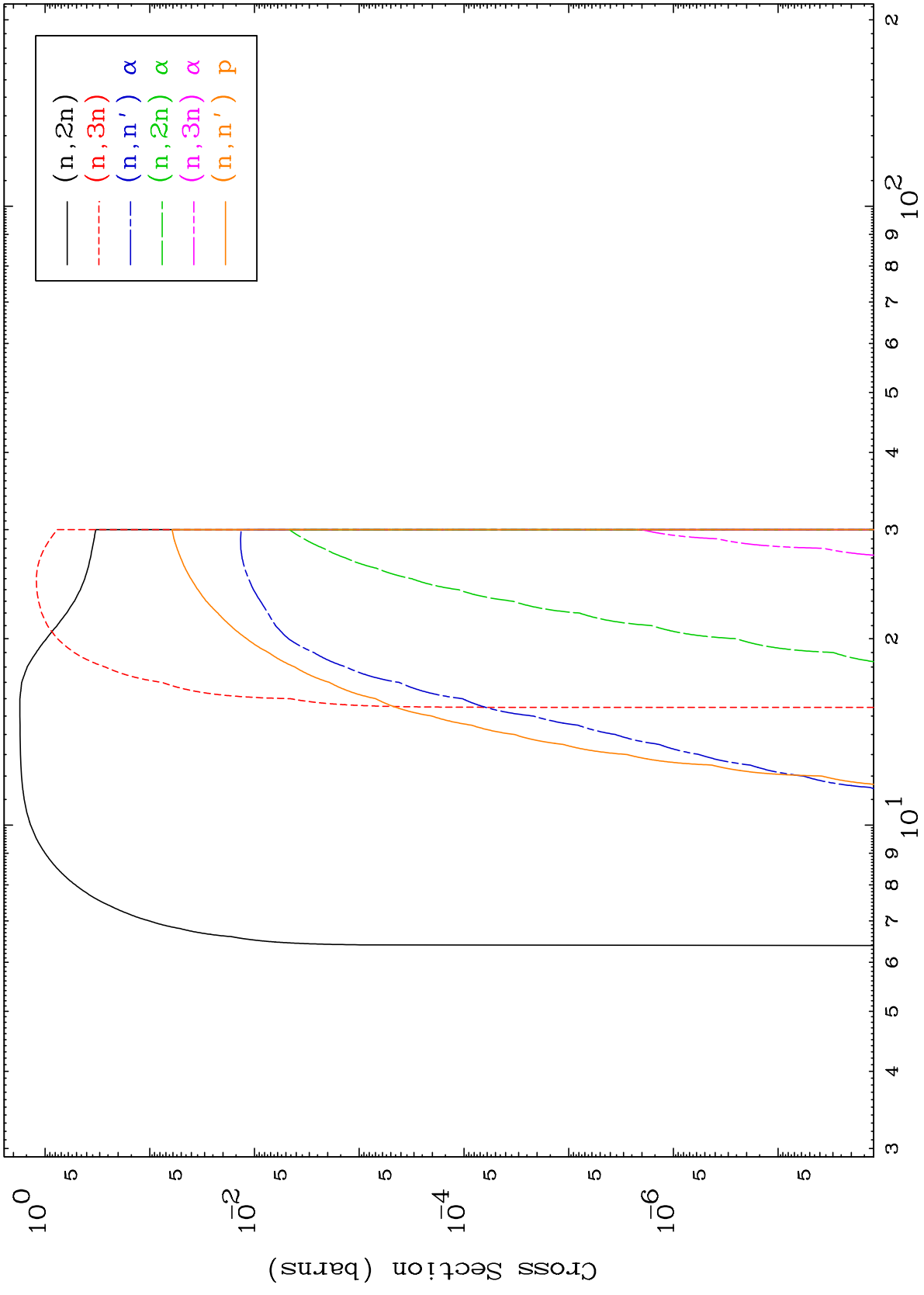
54-Xe-133



MAT 5452

Neutron Production  
293 Kelvin Cross Sections

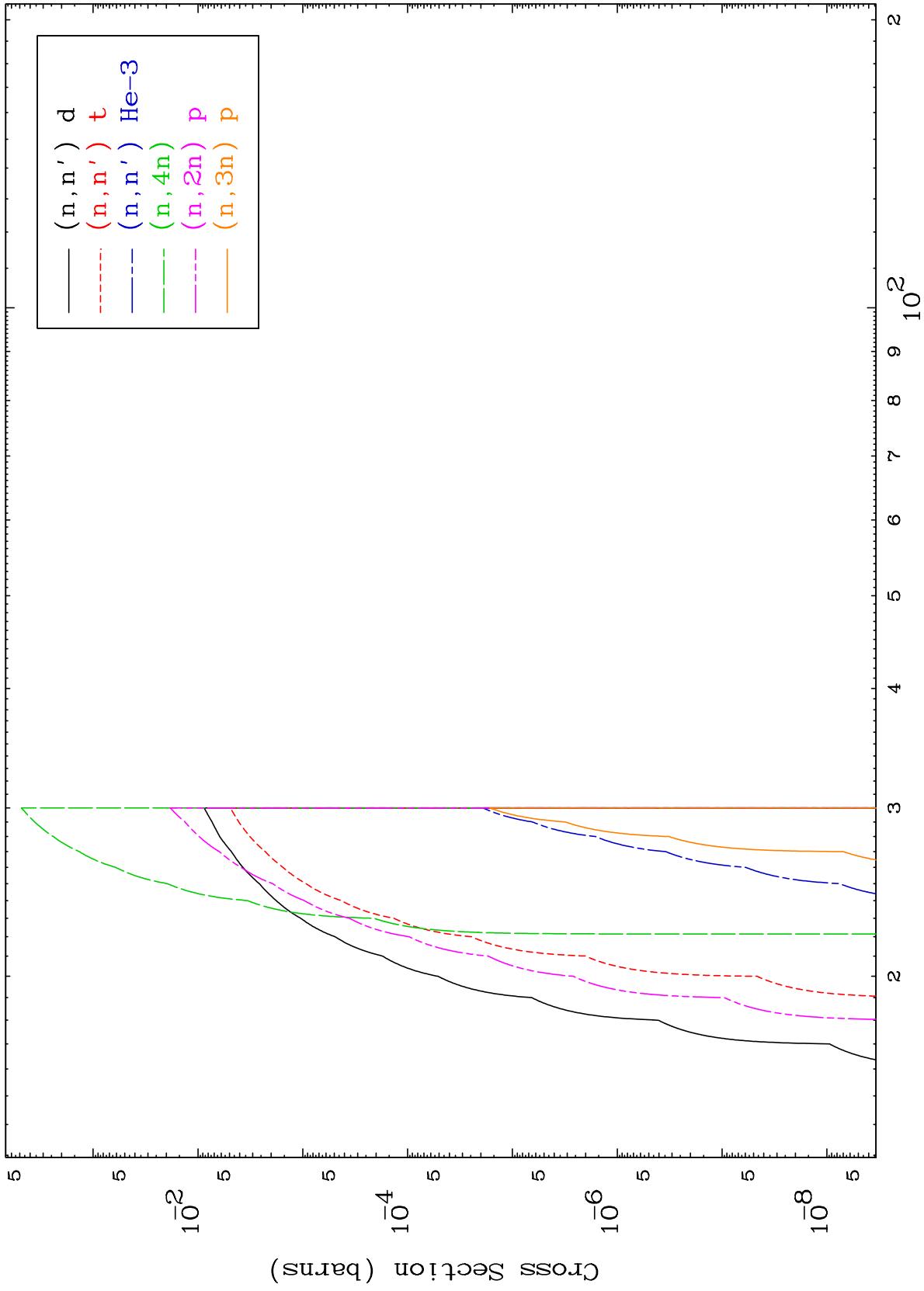
54-Xe-133

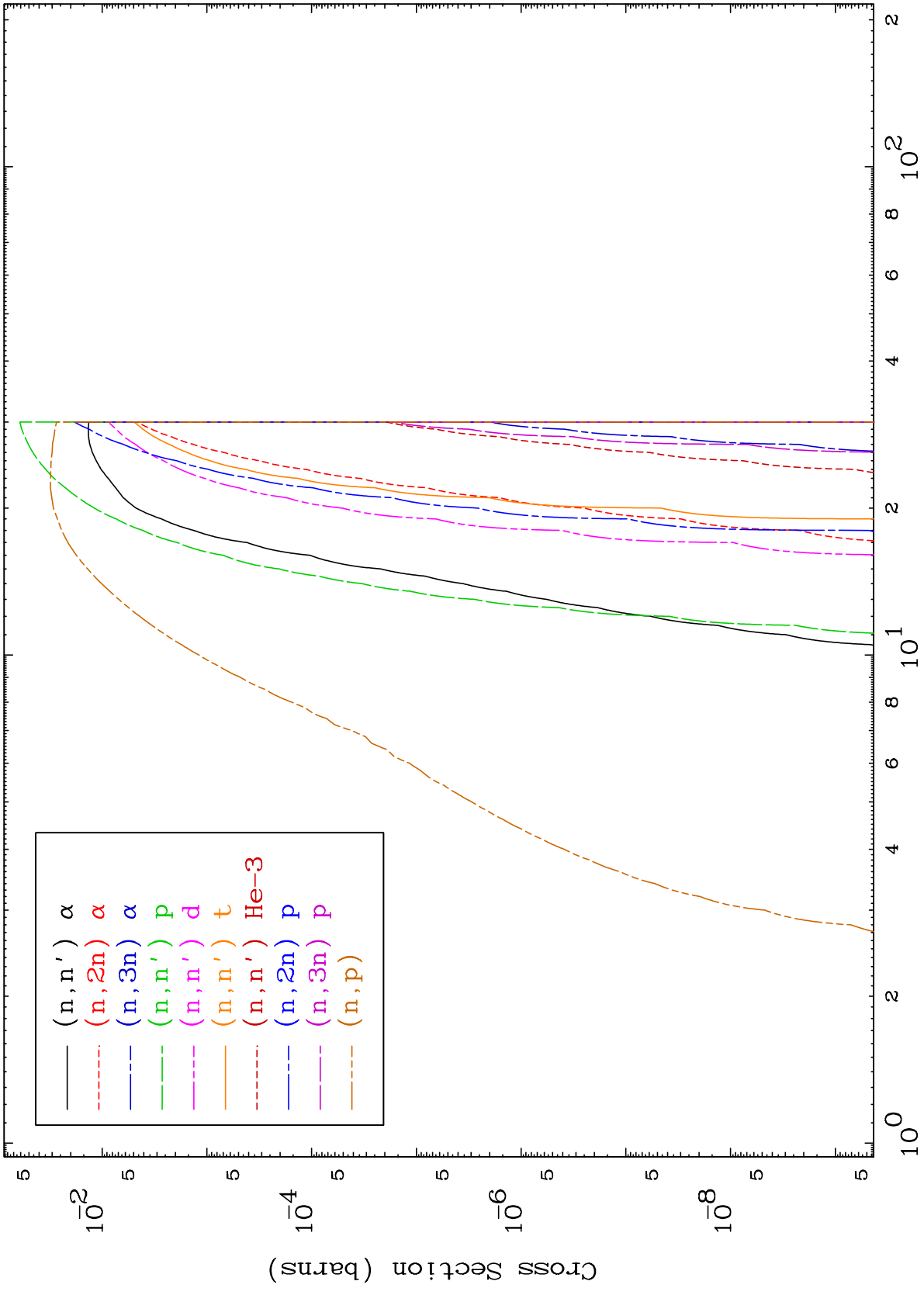


2

Incident Energy (MeV)

54-Xe-133

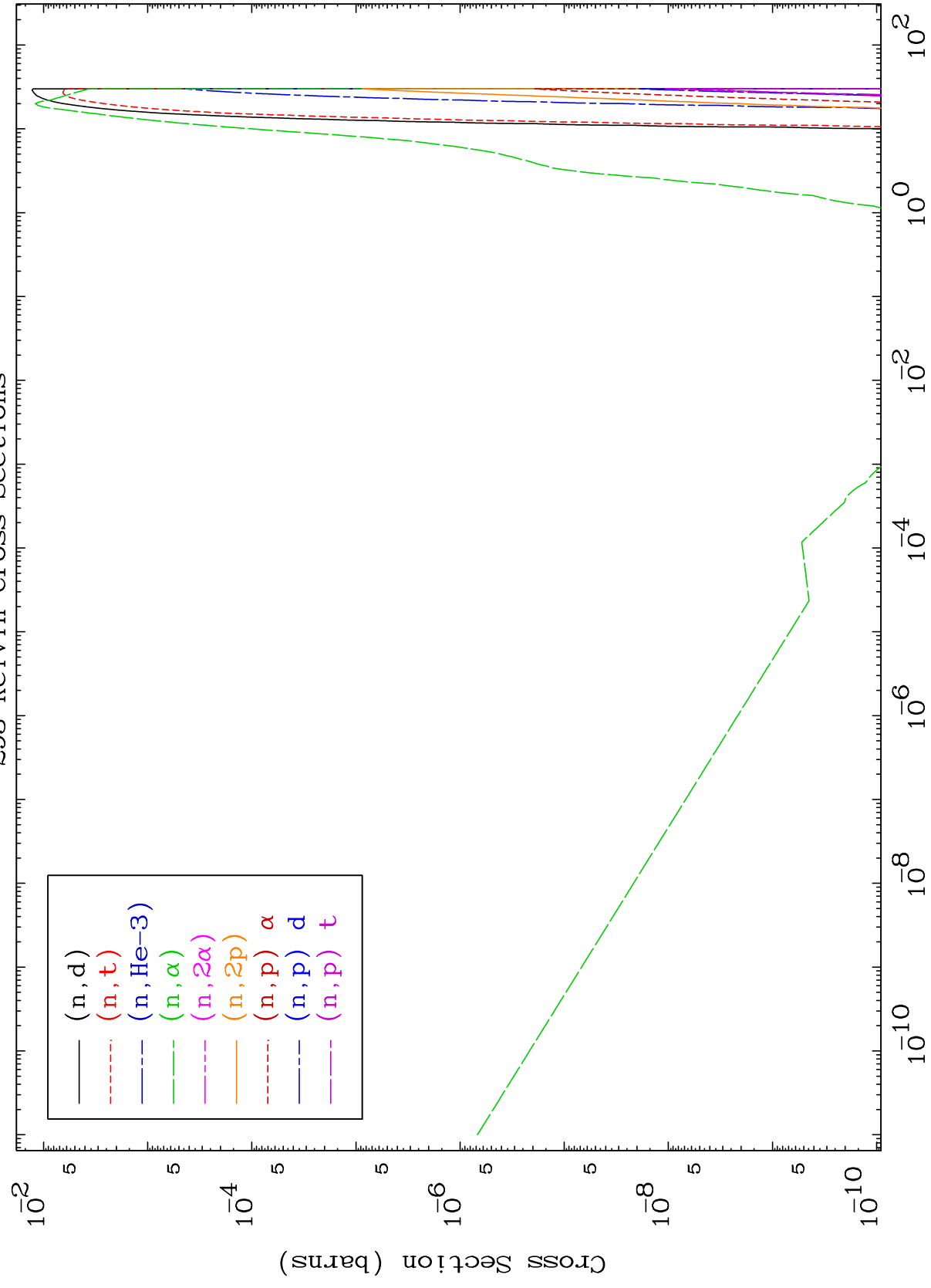




MAT 5452

Charged Particle  
293 Kelvin Cross Sections

54-Xe-133



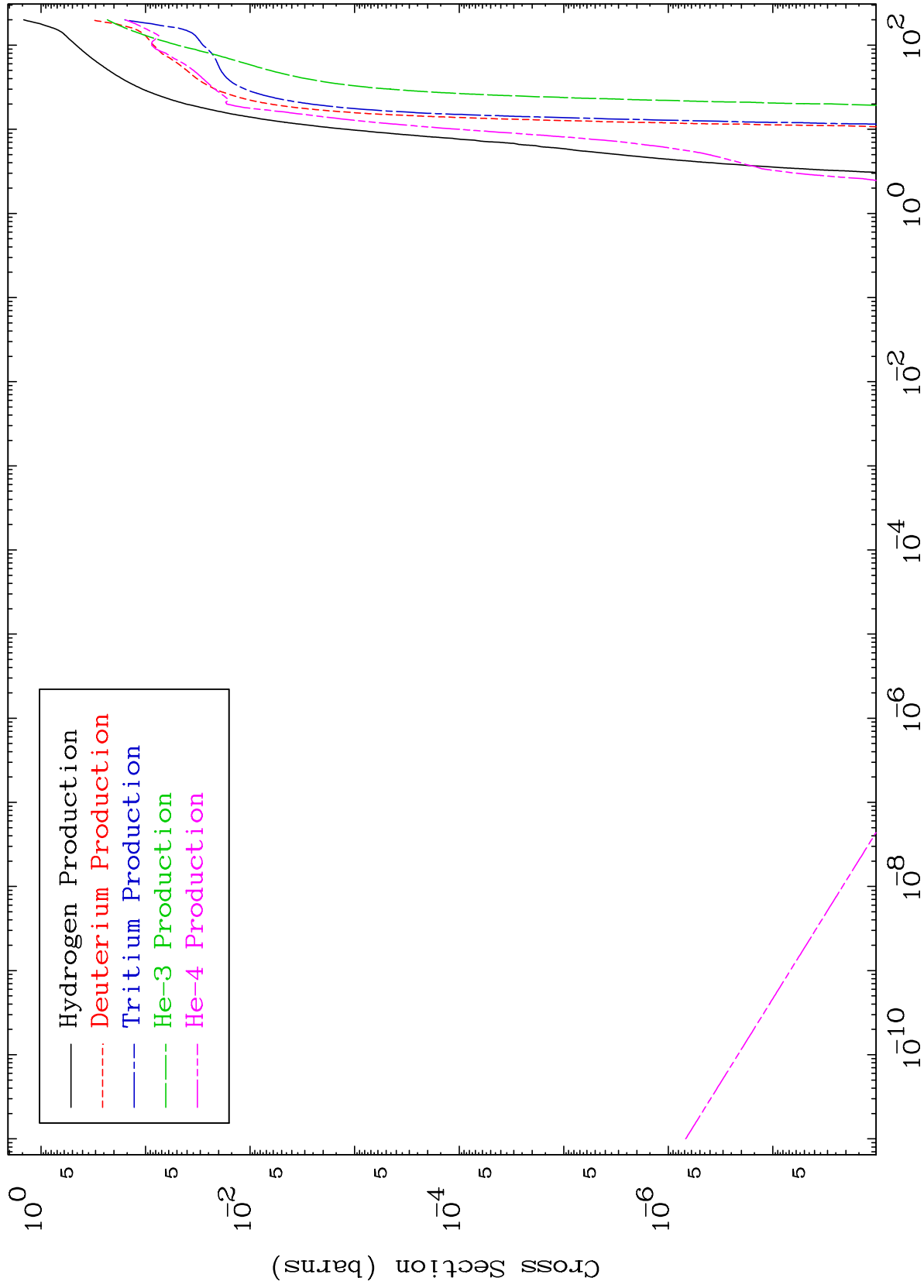
5

54-Xe-133

MAT 5452

Particle Production  
293 Kelvin Cross Sections

54-Xe-133



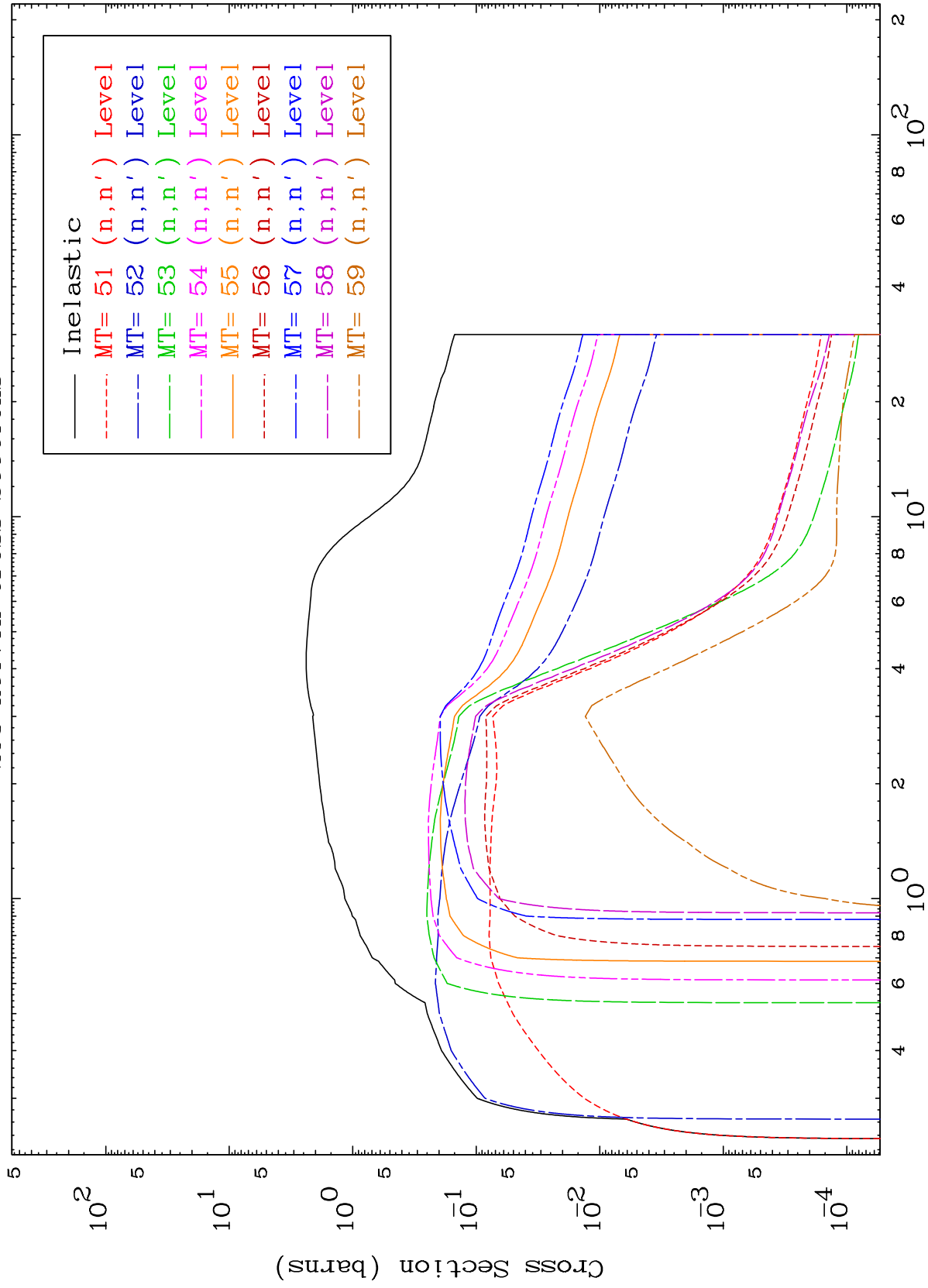
6

54-Xe-133

MAT 5452

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-133



7

Incident Energy (MeV)

54-Xe-133

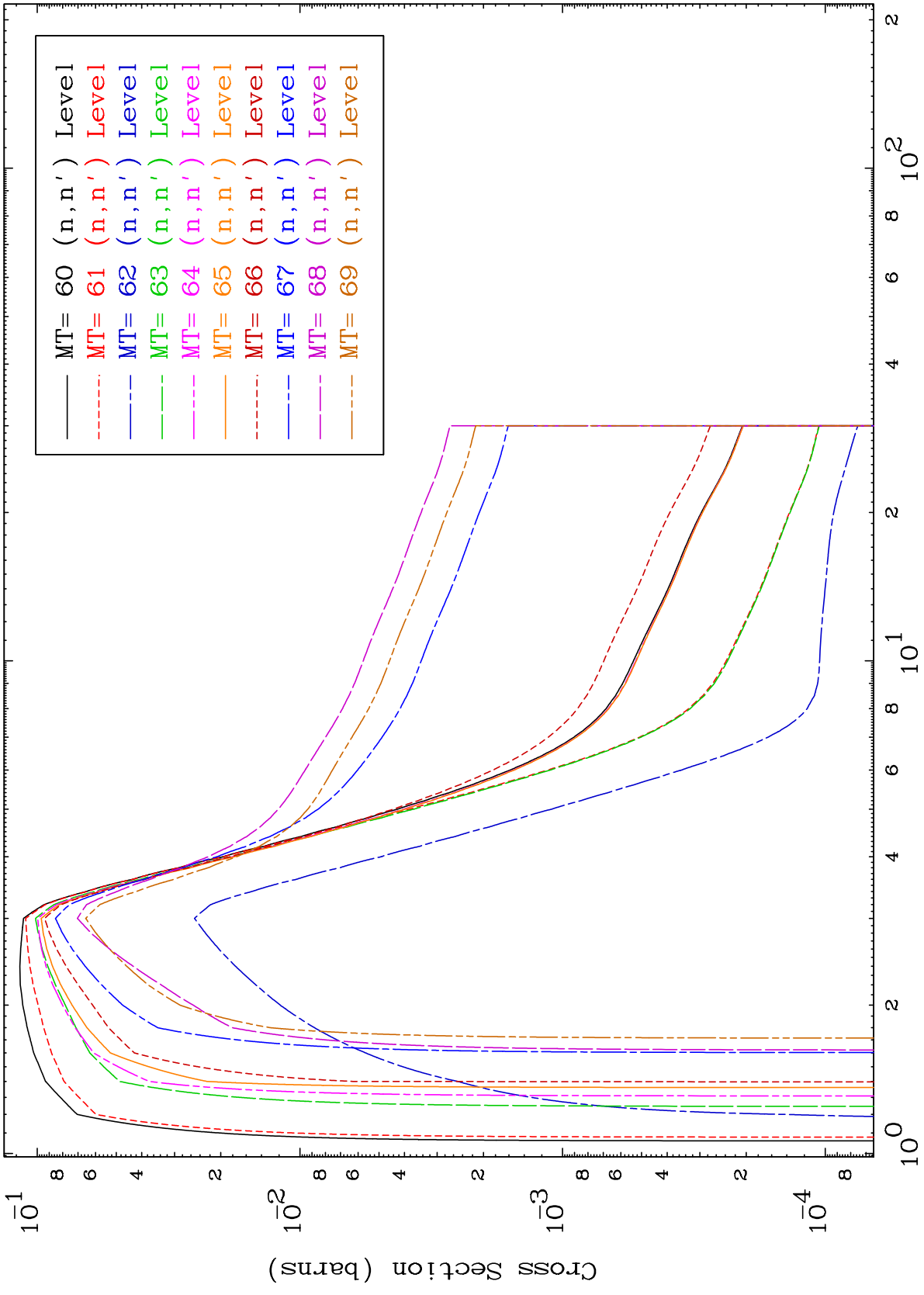


MAT 5452

(n,n') Level

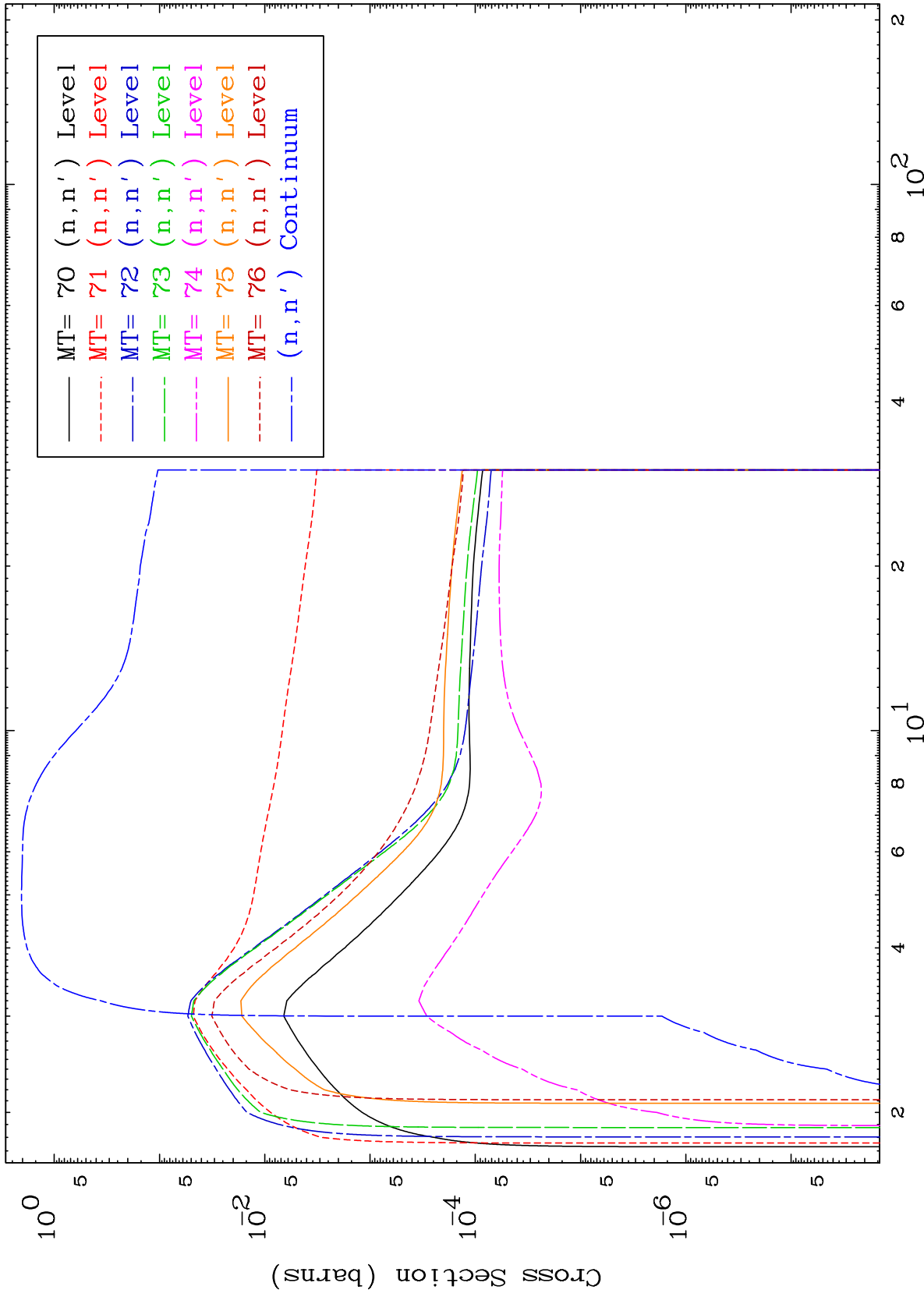
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293 Kelvin Cross Sections



Incident Energy (MeV)

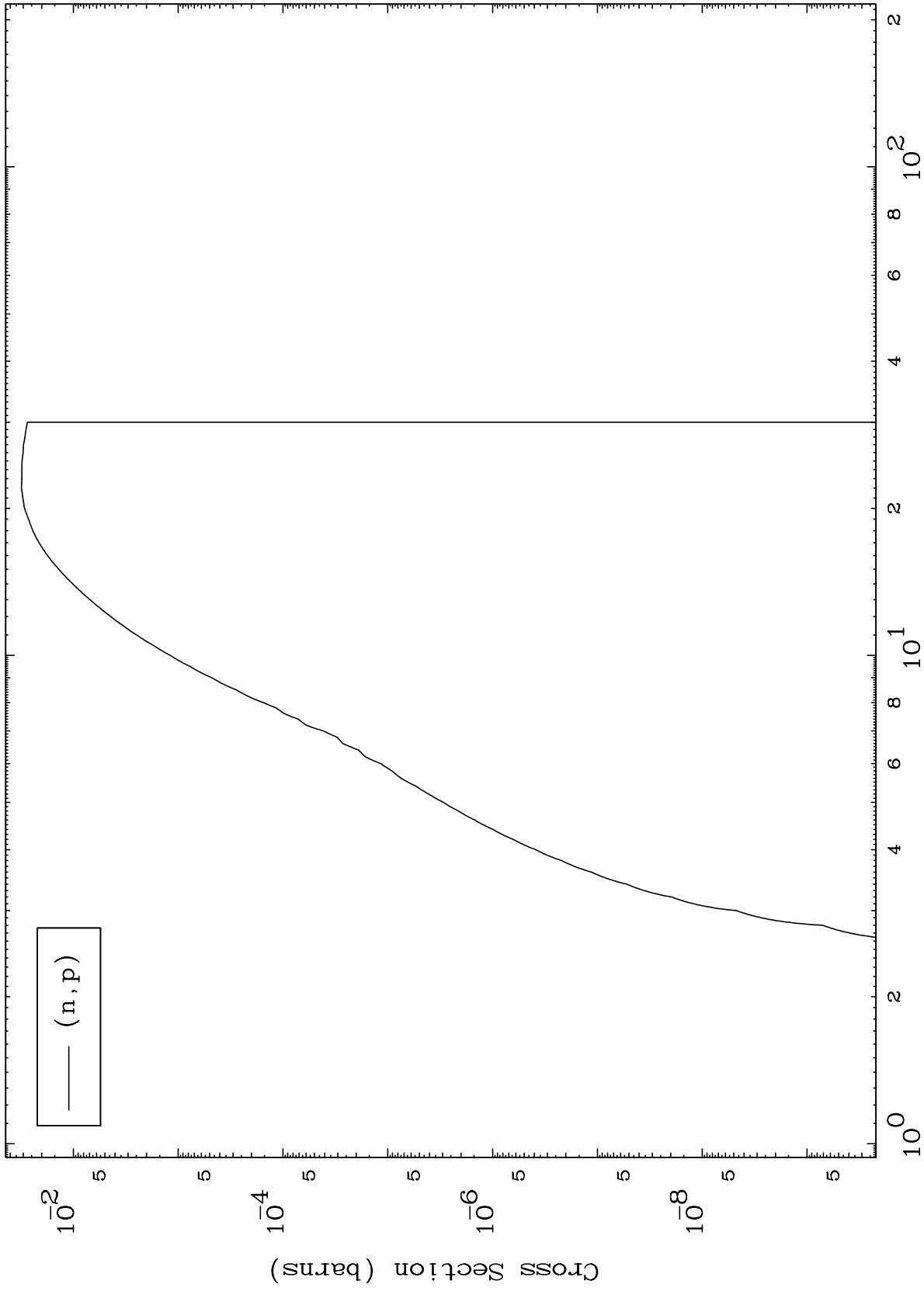
54-Xe-133



MAT 5452

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-133

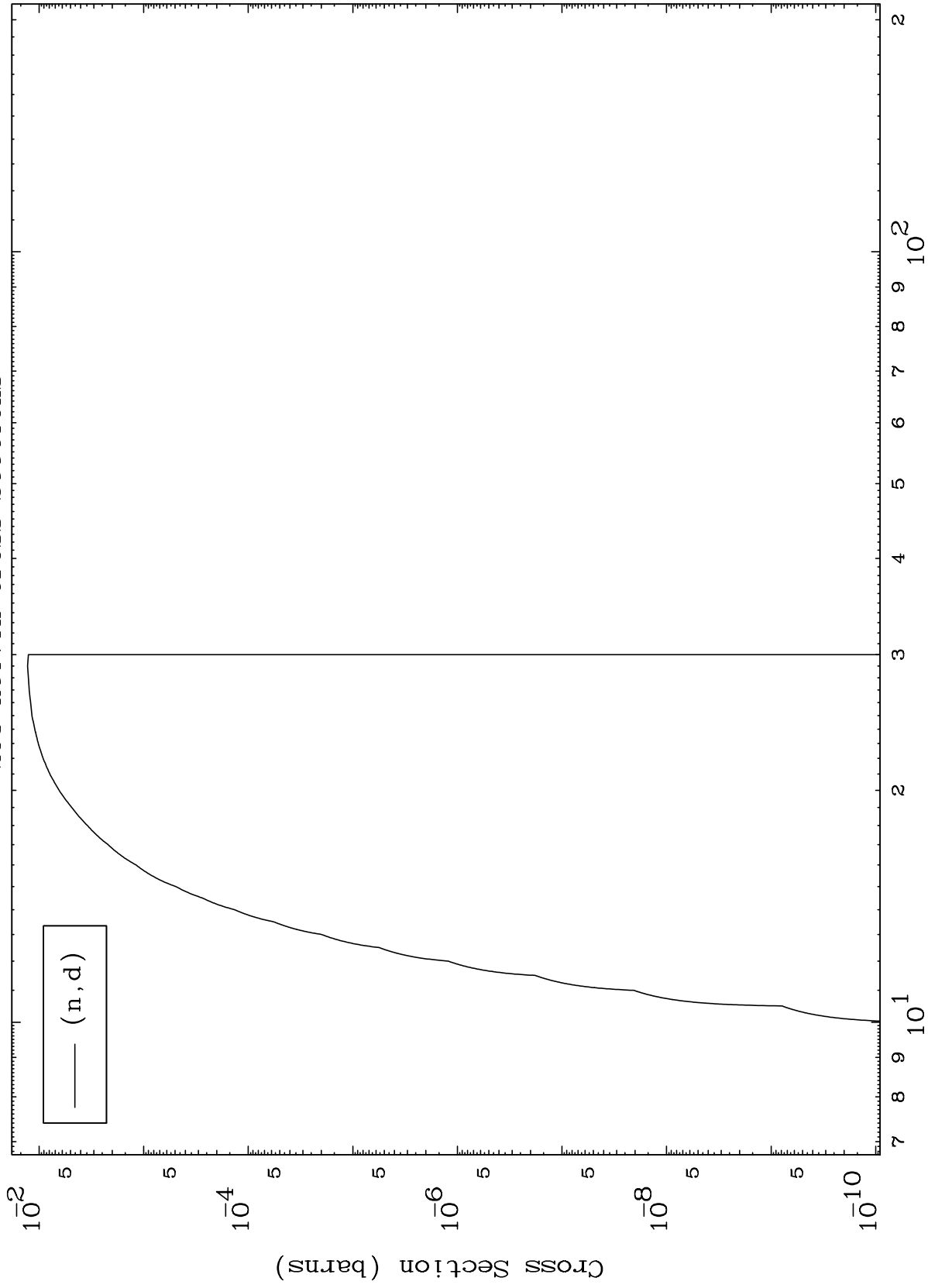


54-Xe-133

MAT 5452

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-133



11

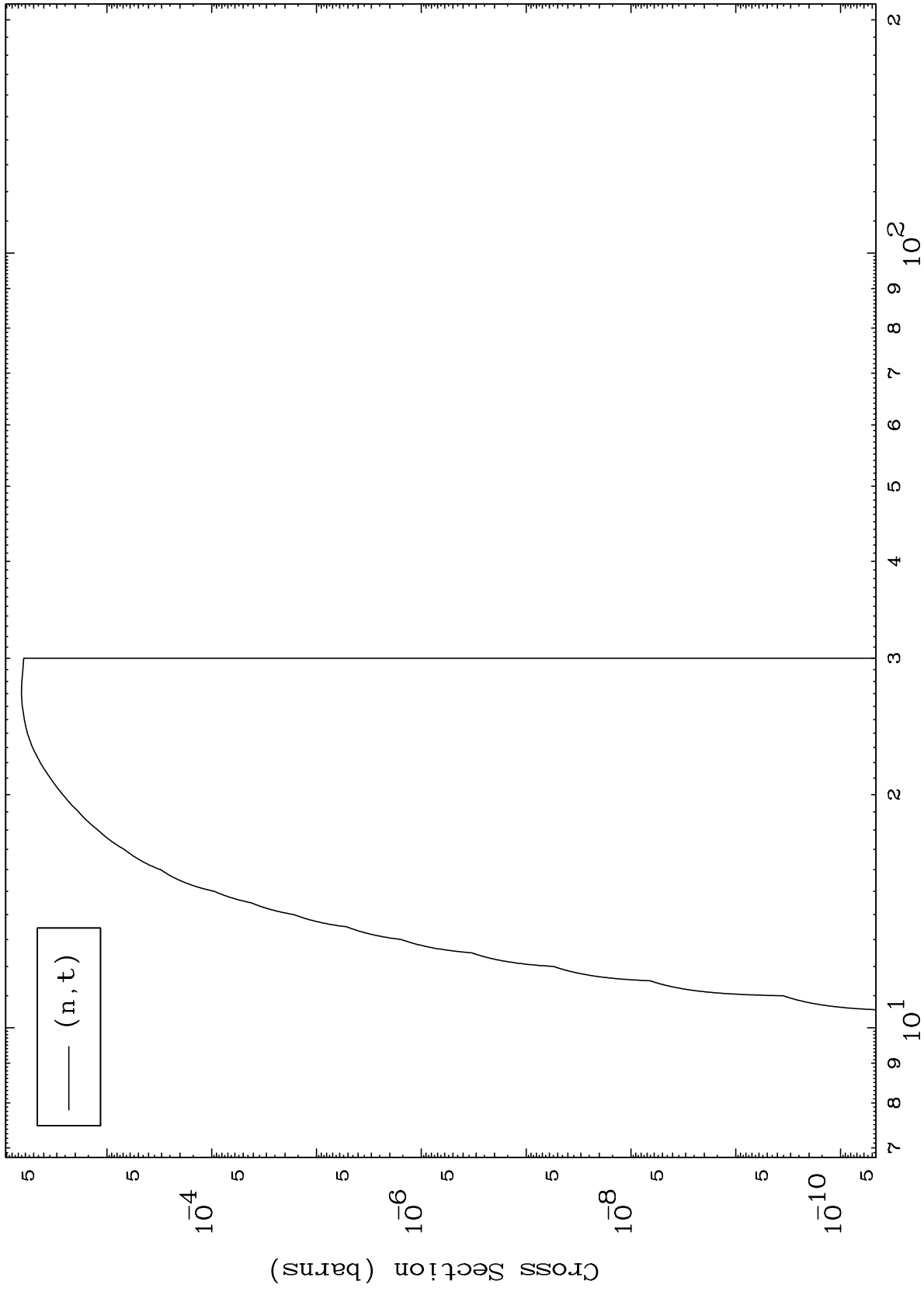
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-133



12

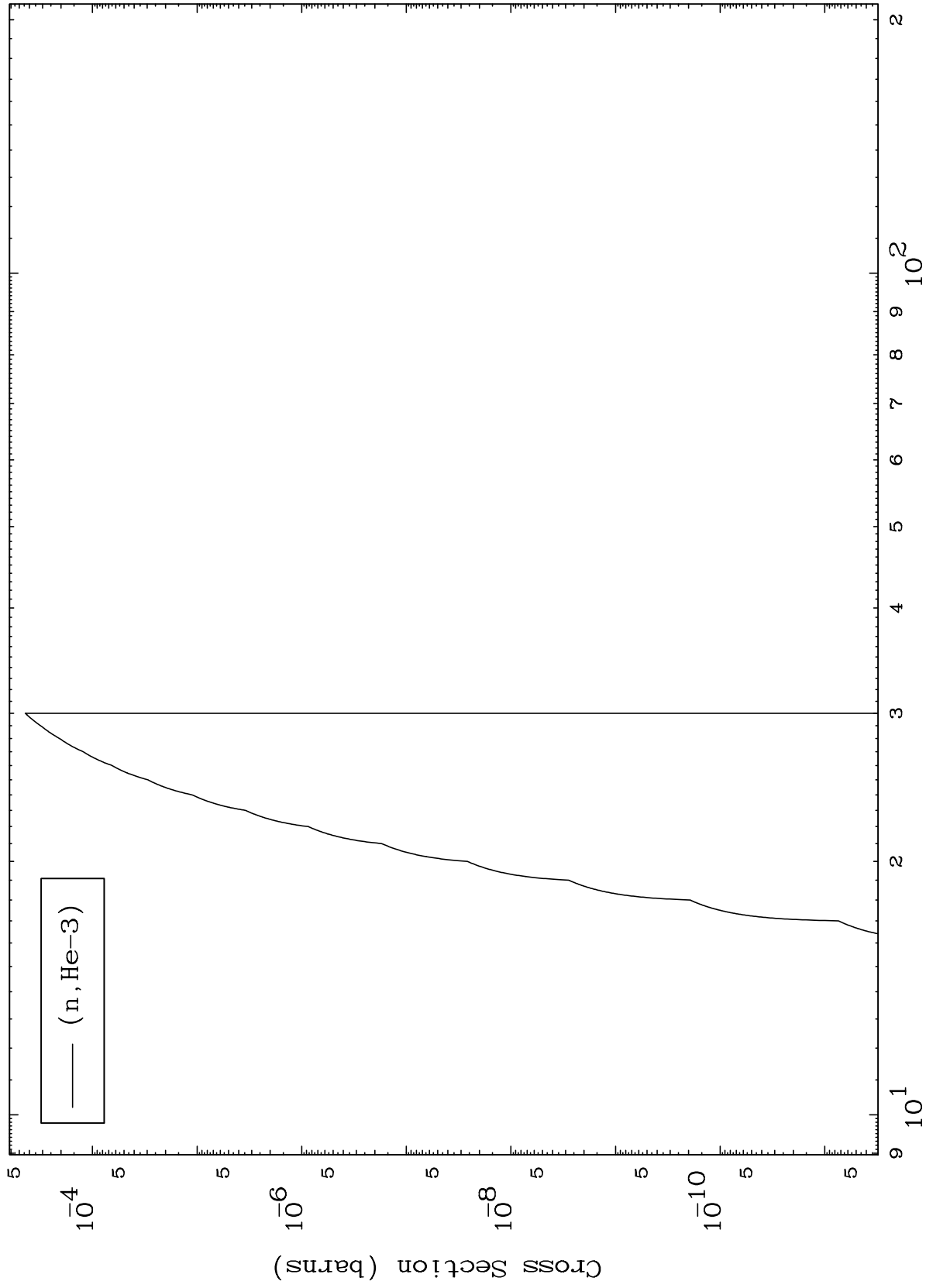
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-133



13

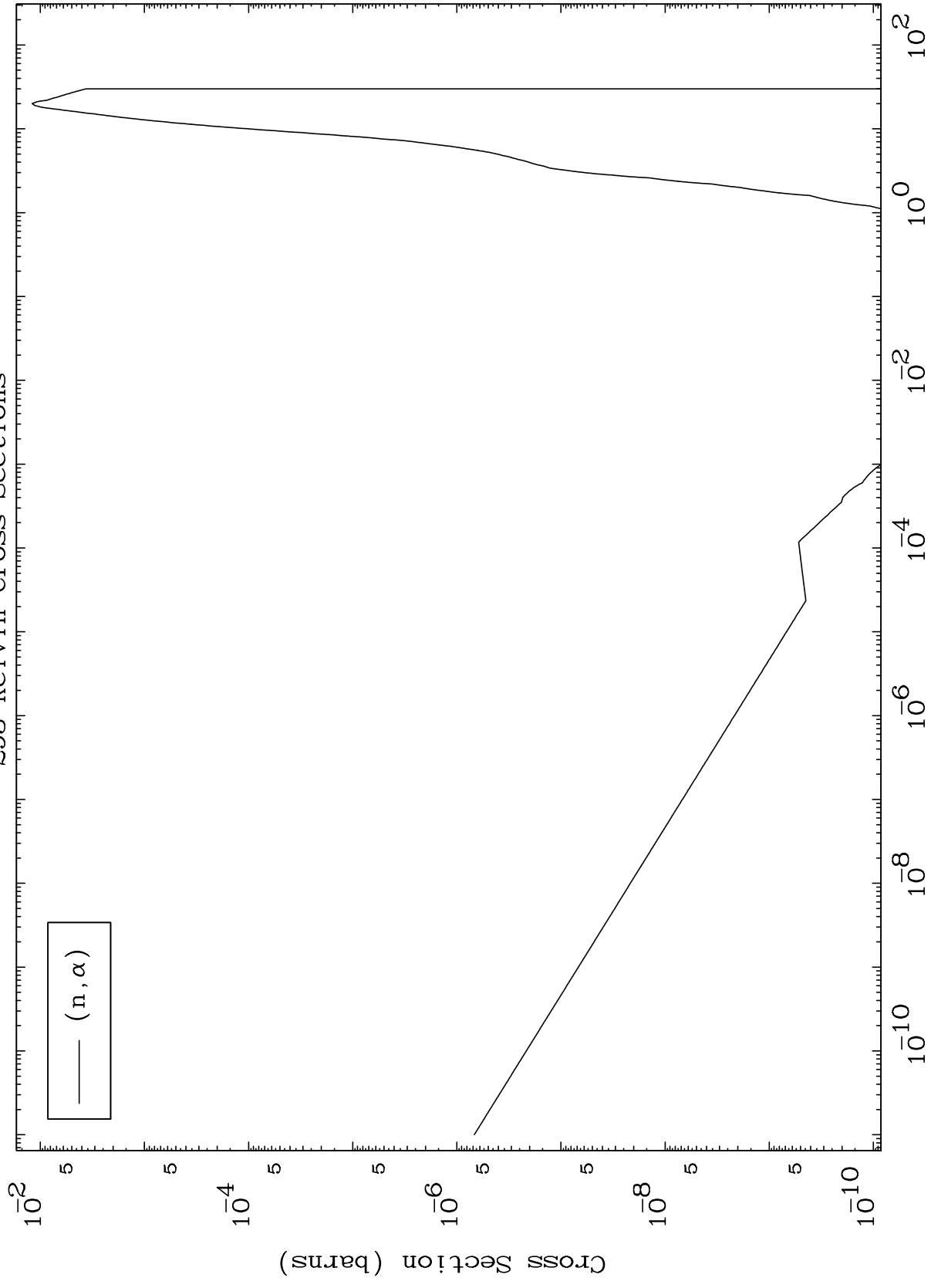
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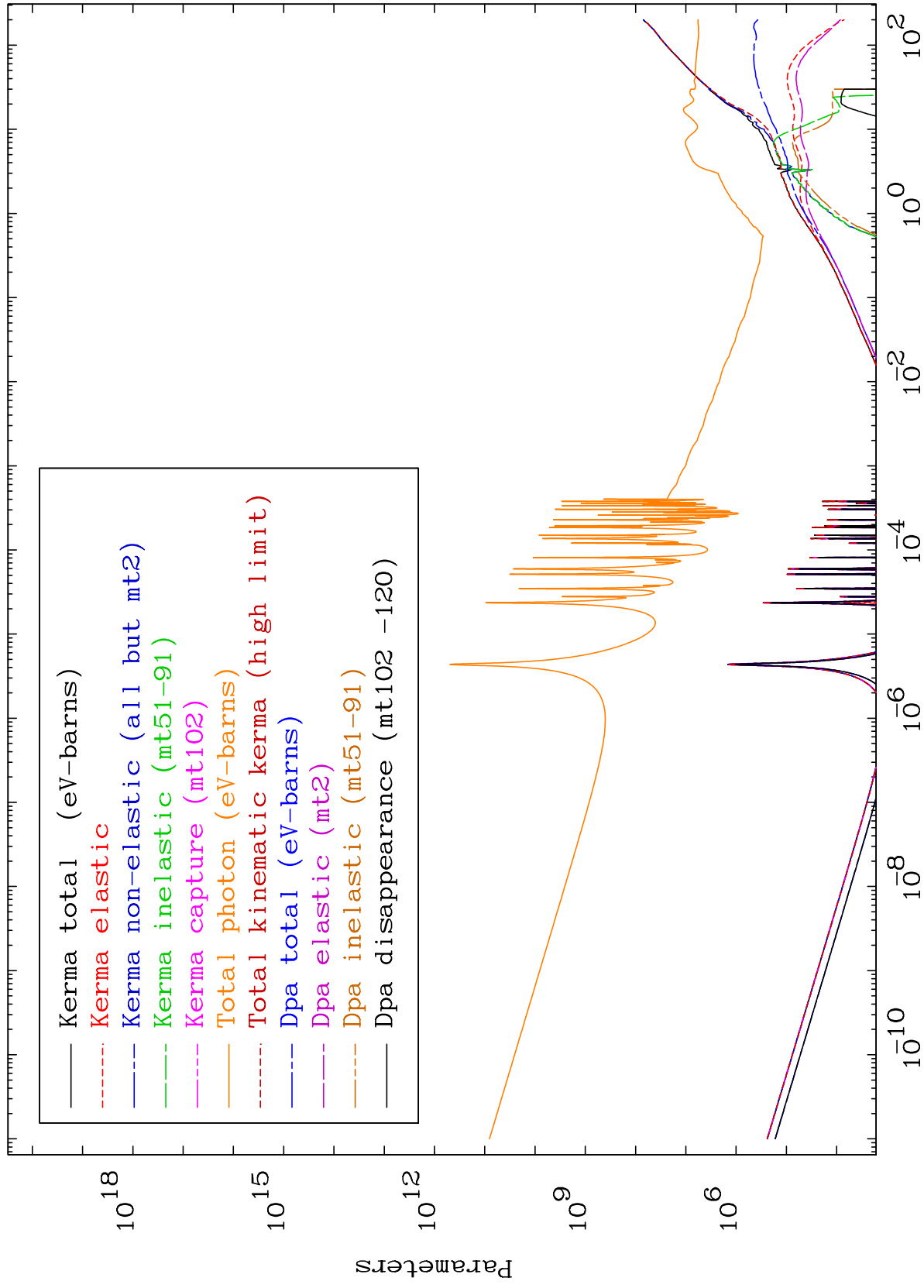
54-Xe-133

MAT 5452

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-133



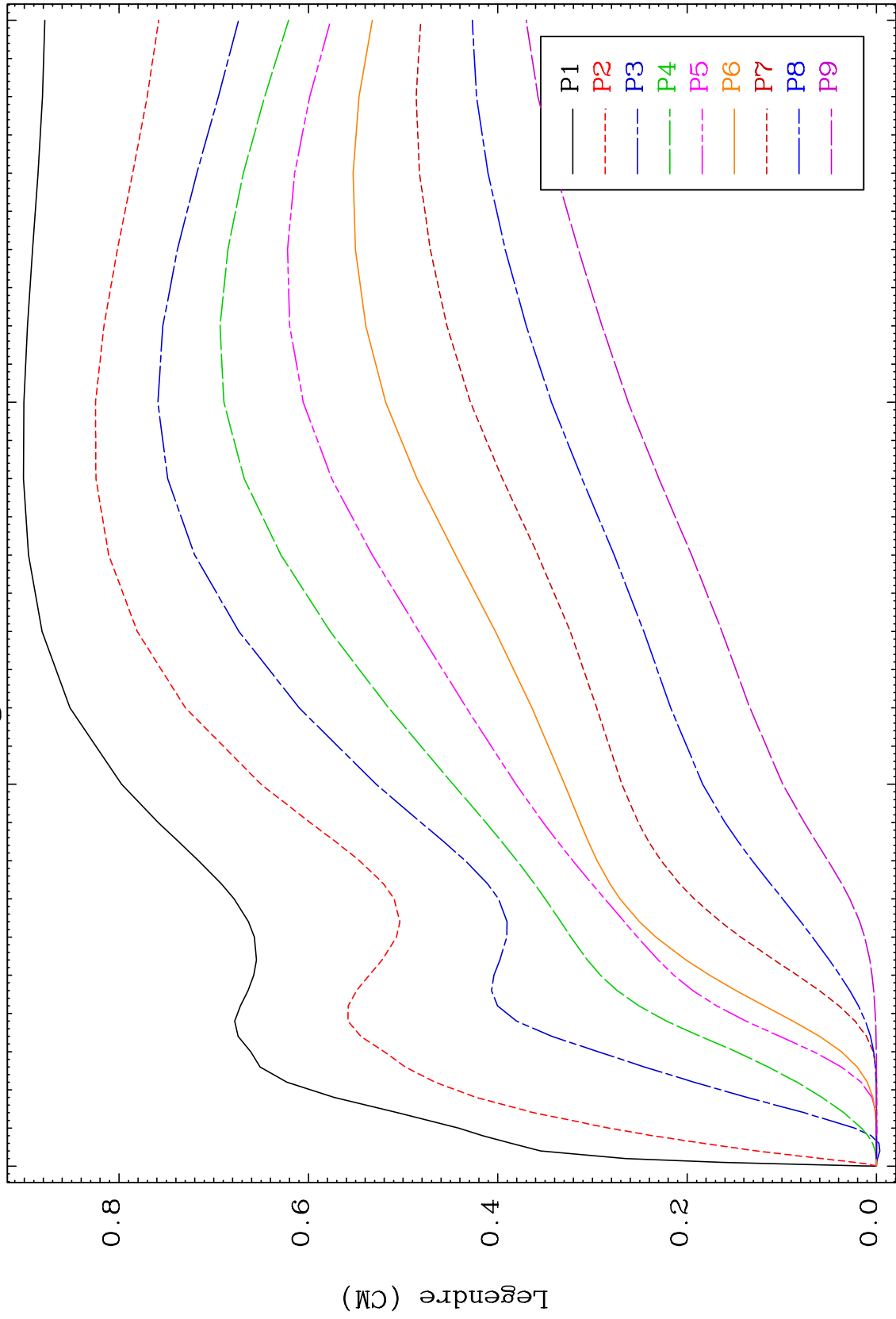




MAT 5452

Elastic Legendre Coefficients

54-Xe-133



0

0.0

0.2

0.4

0.6

0.8

Incident Energy (MeV)

10

20

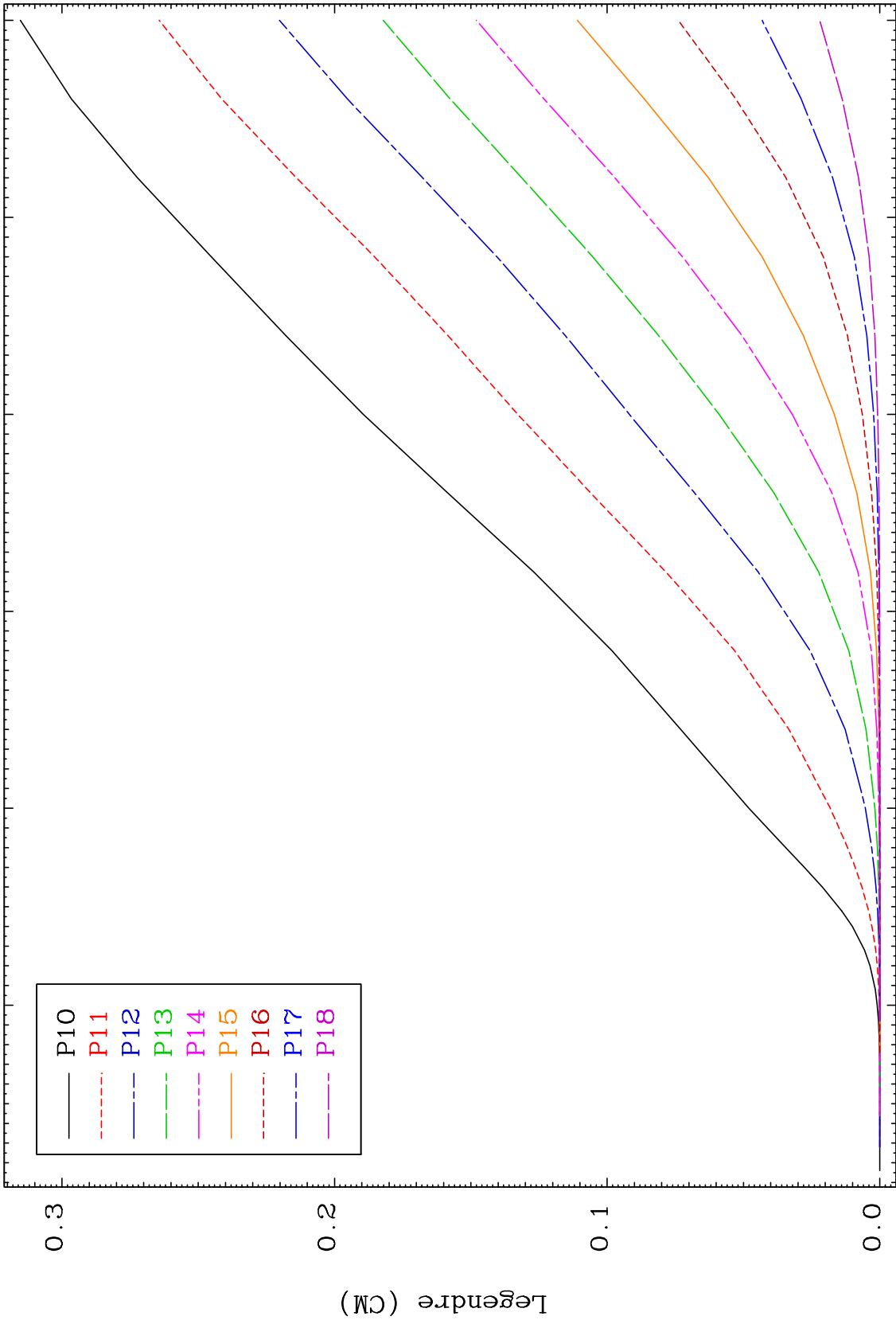
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54-Xe-133

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



17

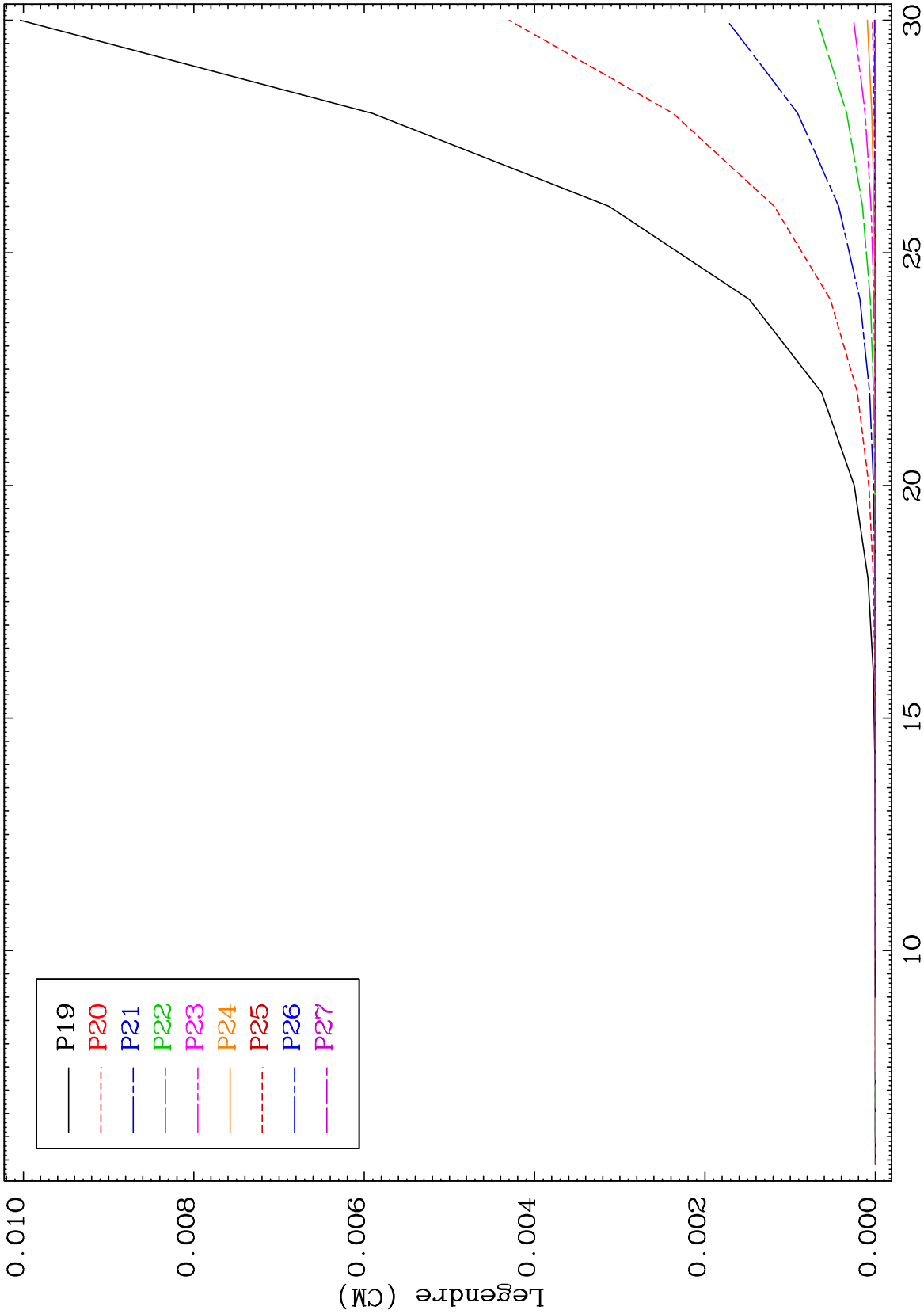
Incident Energy (MeV)

54-Xe-133

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



18

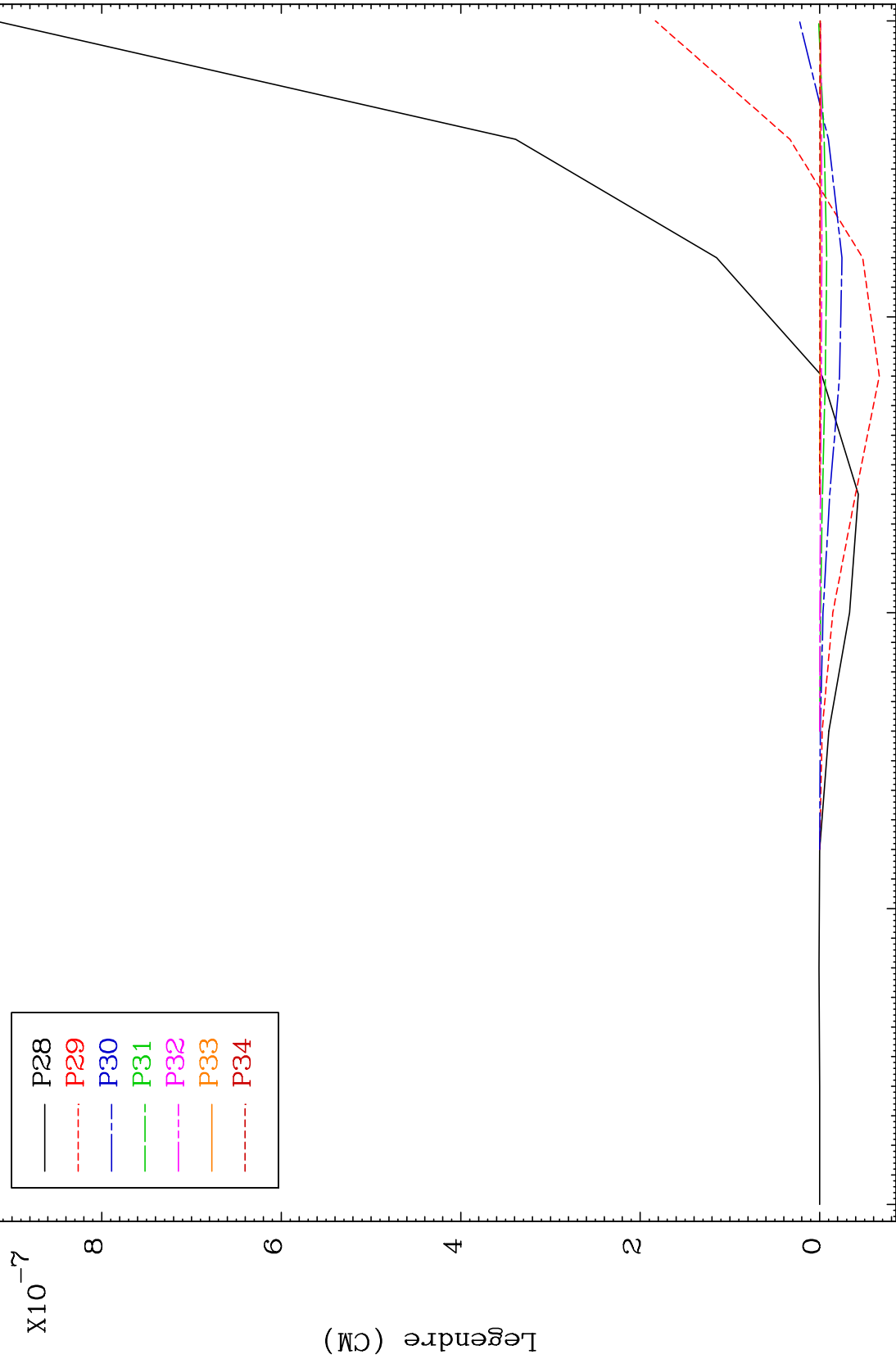
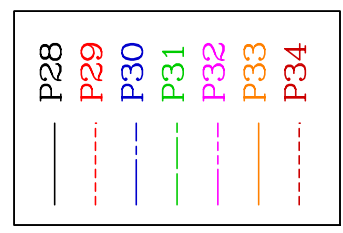
Incident Energy (MeV)

54-Xe-133

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



19

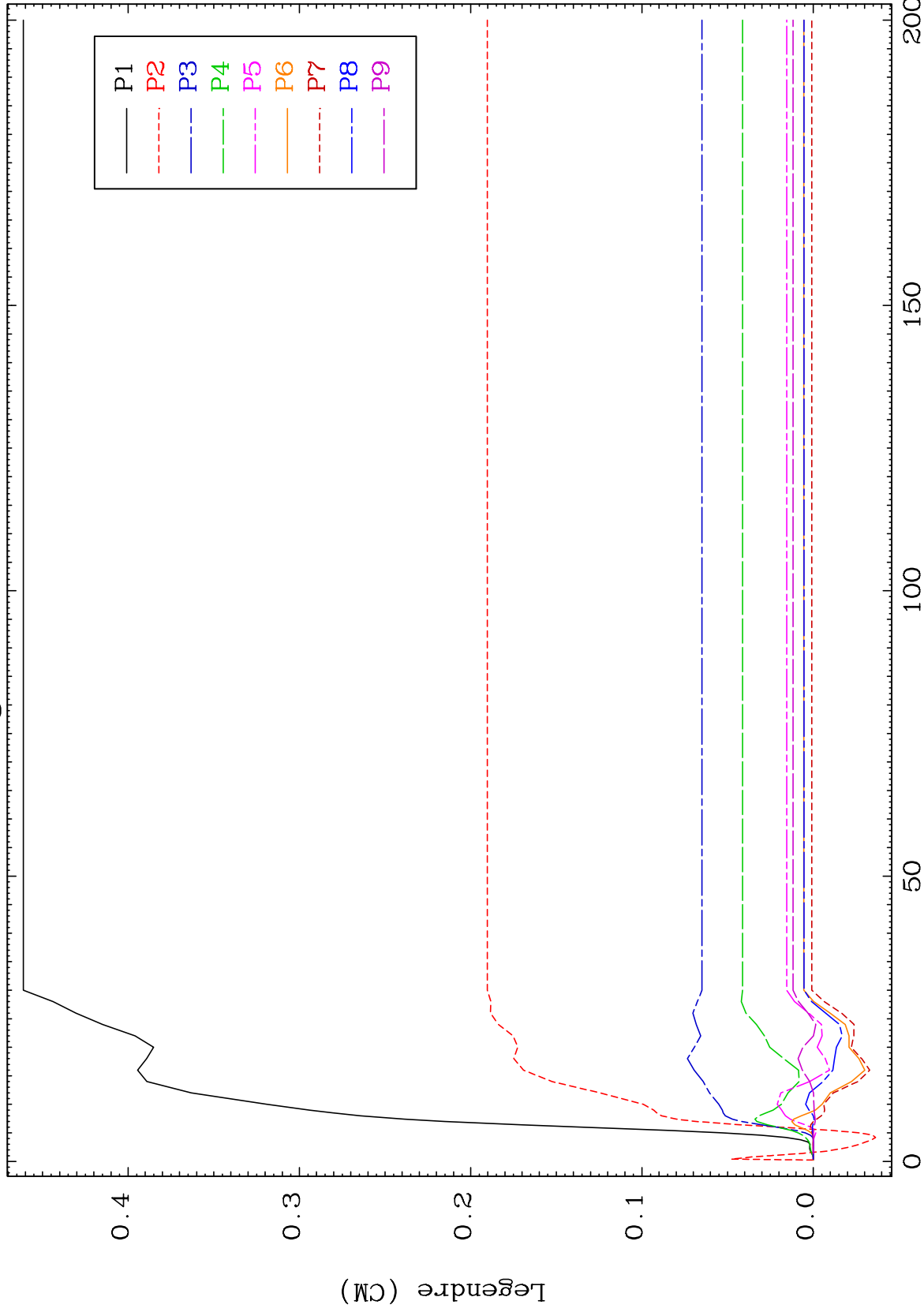
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

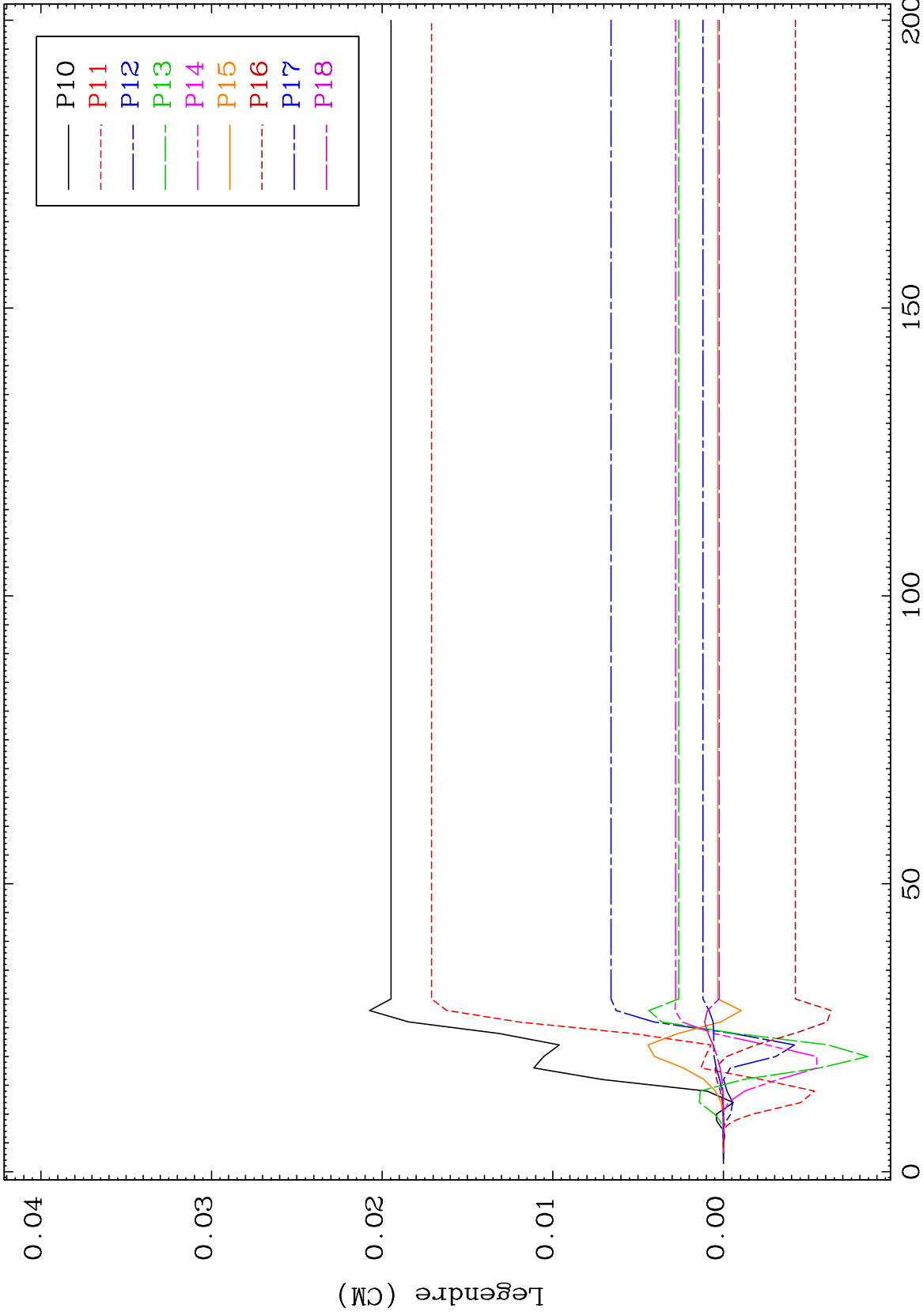
Incident Energy (MeV)

Legendre (CM)

MAT 5452

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

54-Xe-133



21

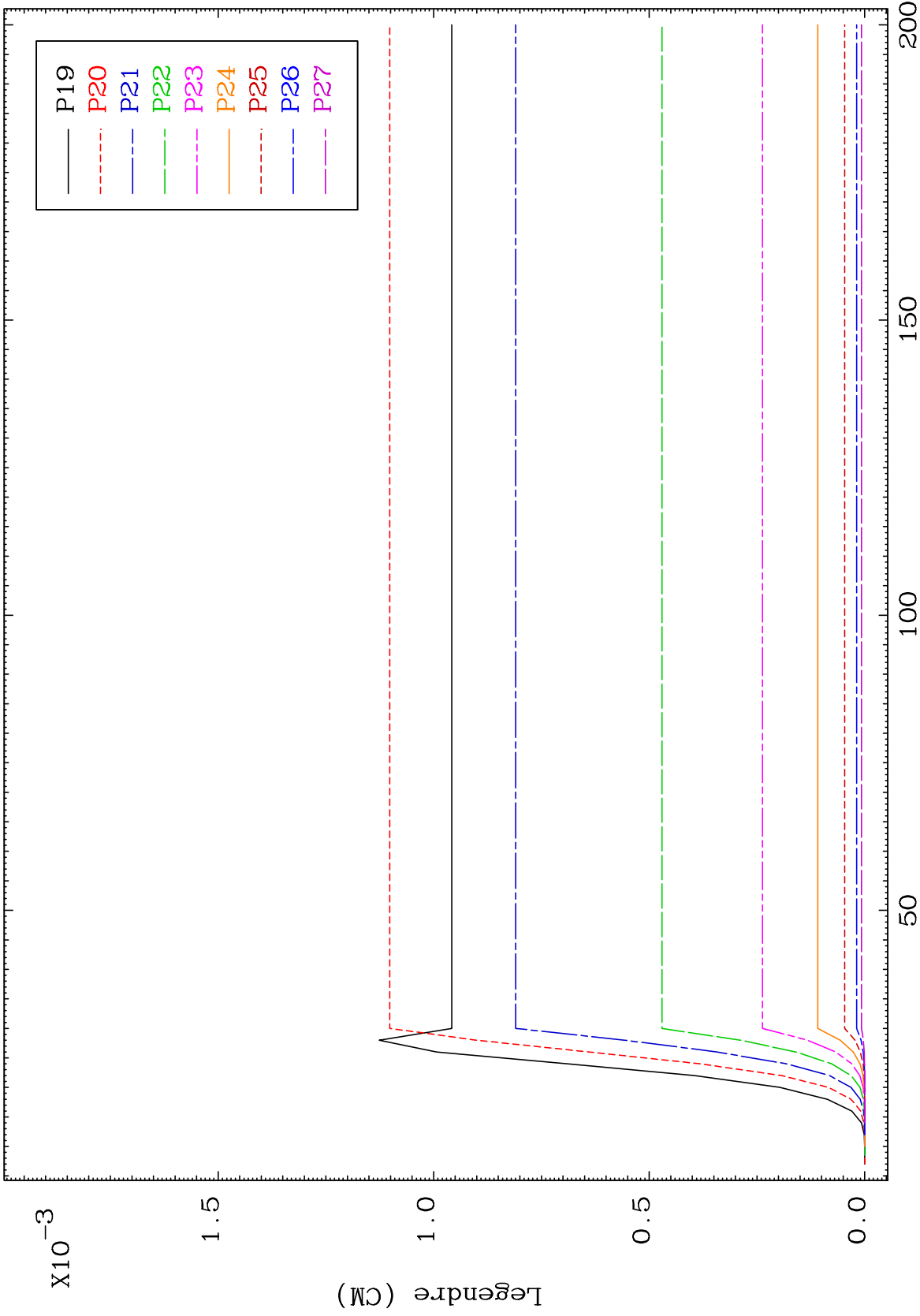
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



22

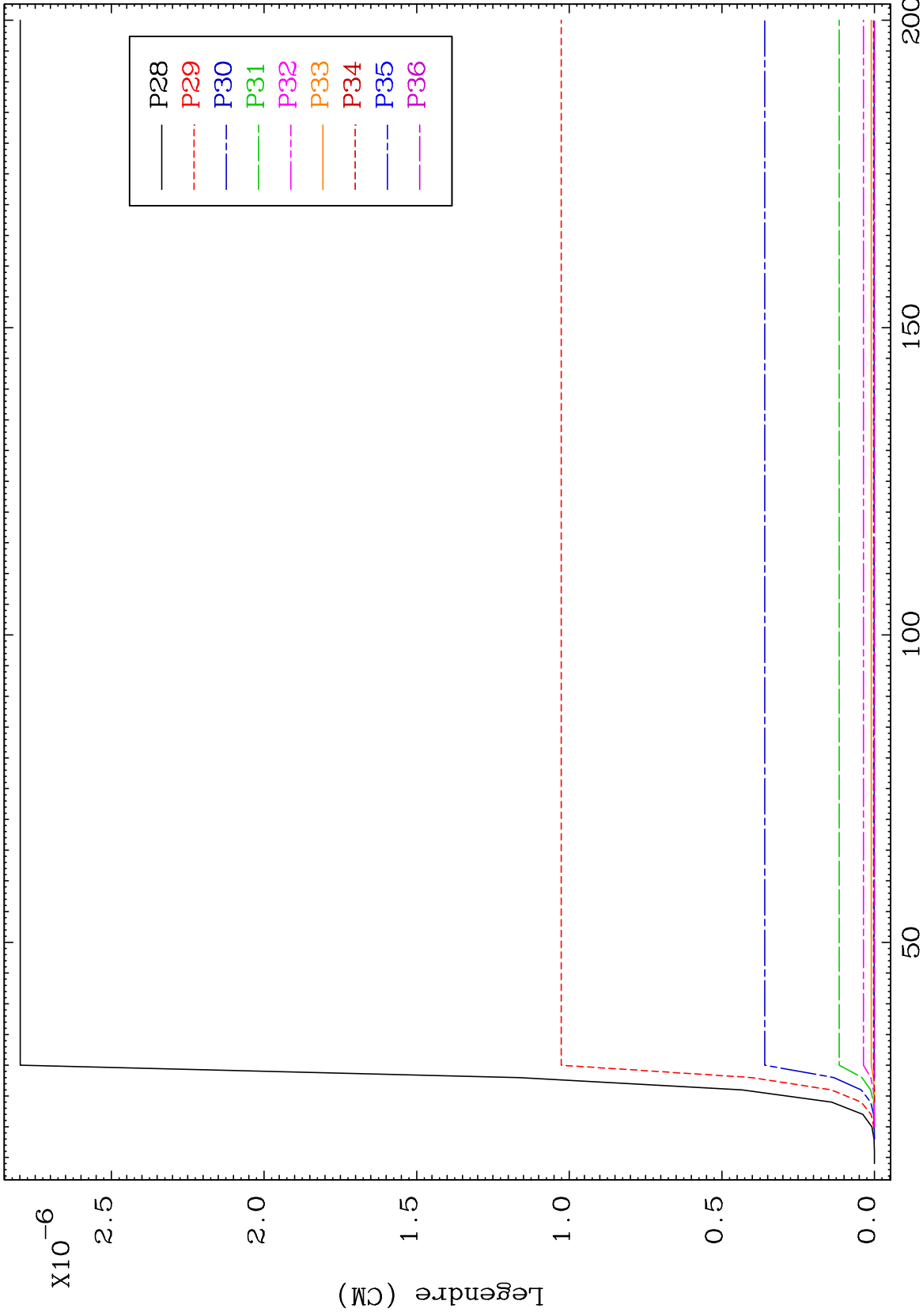
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



23

Incident Energy (MeV)

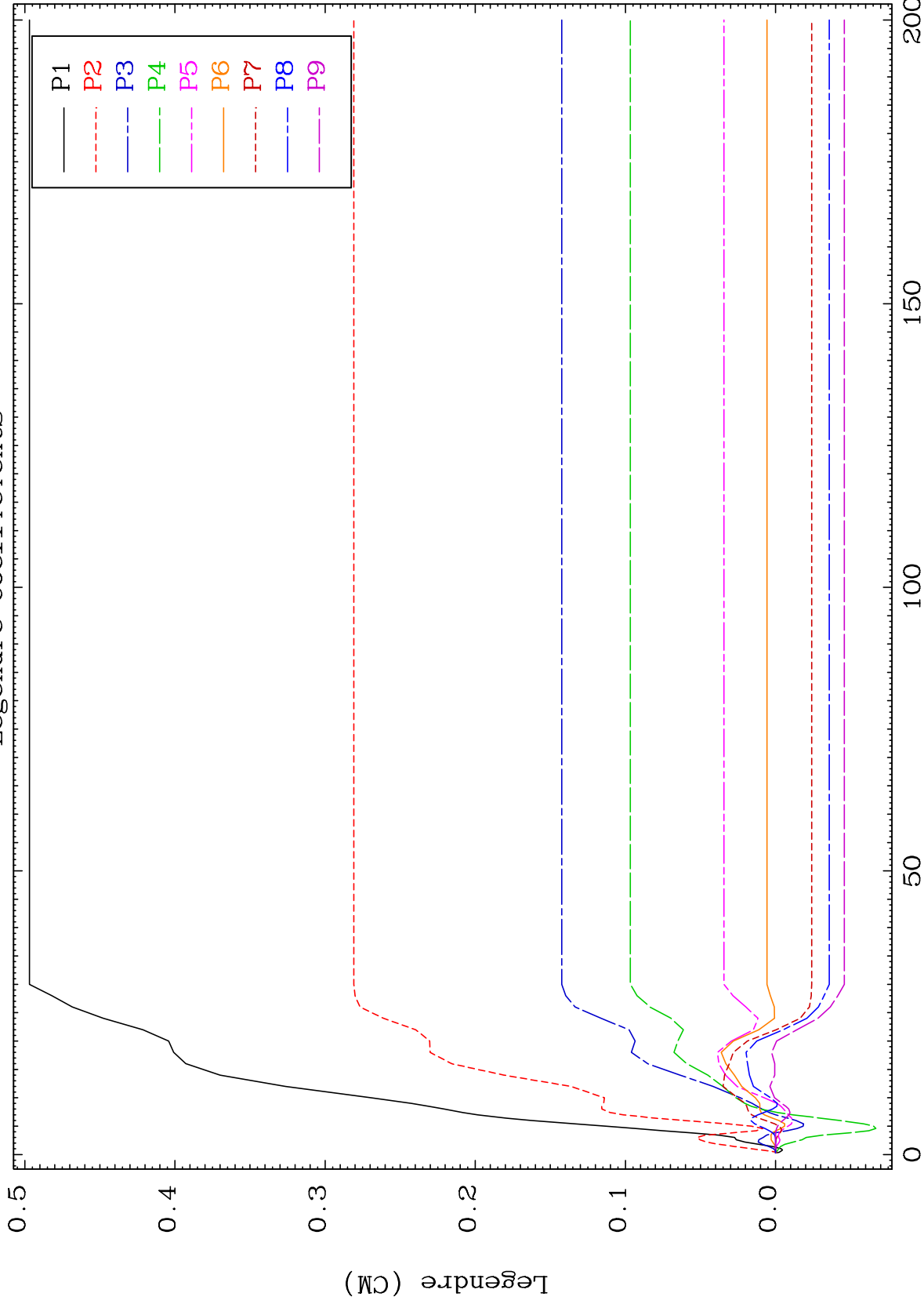
54-Xe-133



MAT 5452

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

54-Xe-133



24

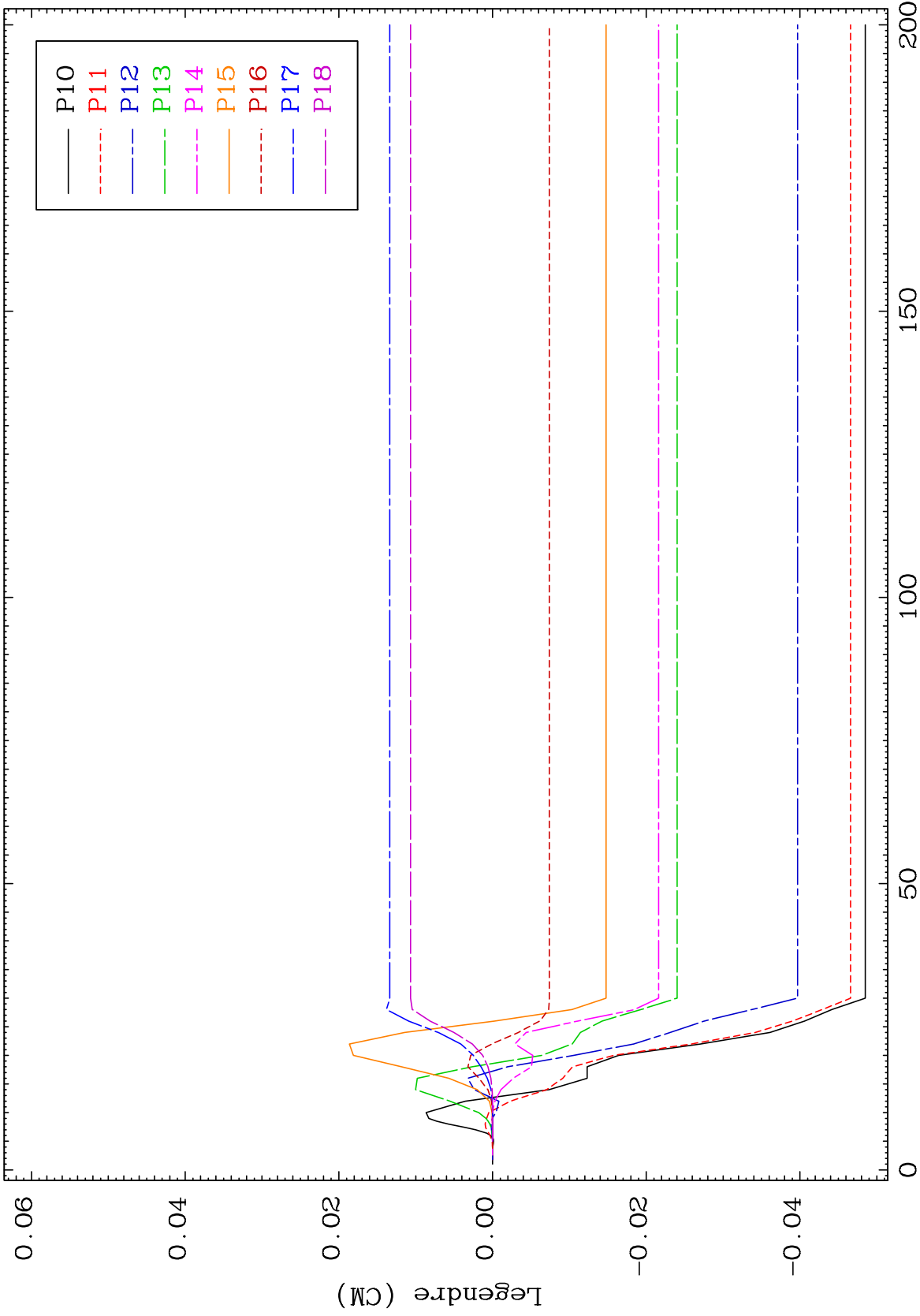
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



25

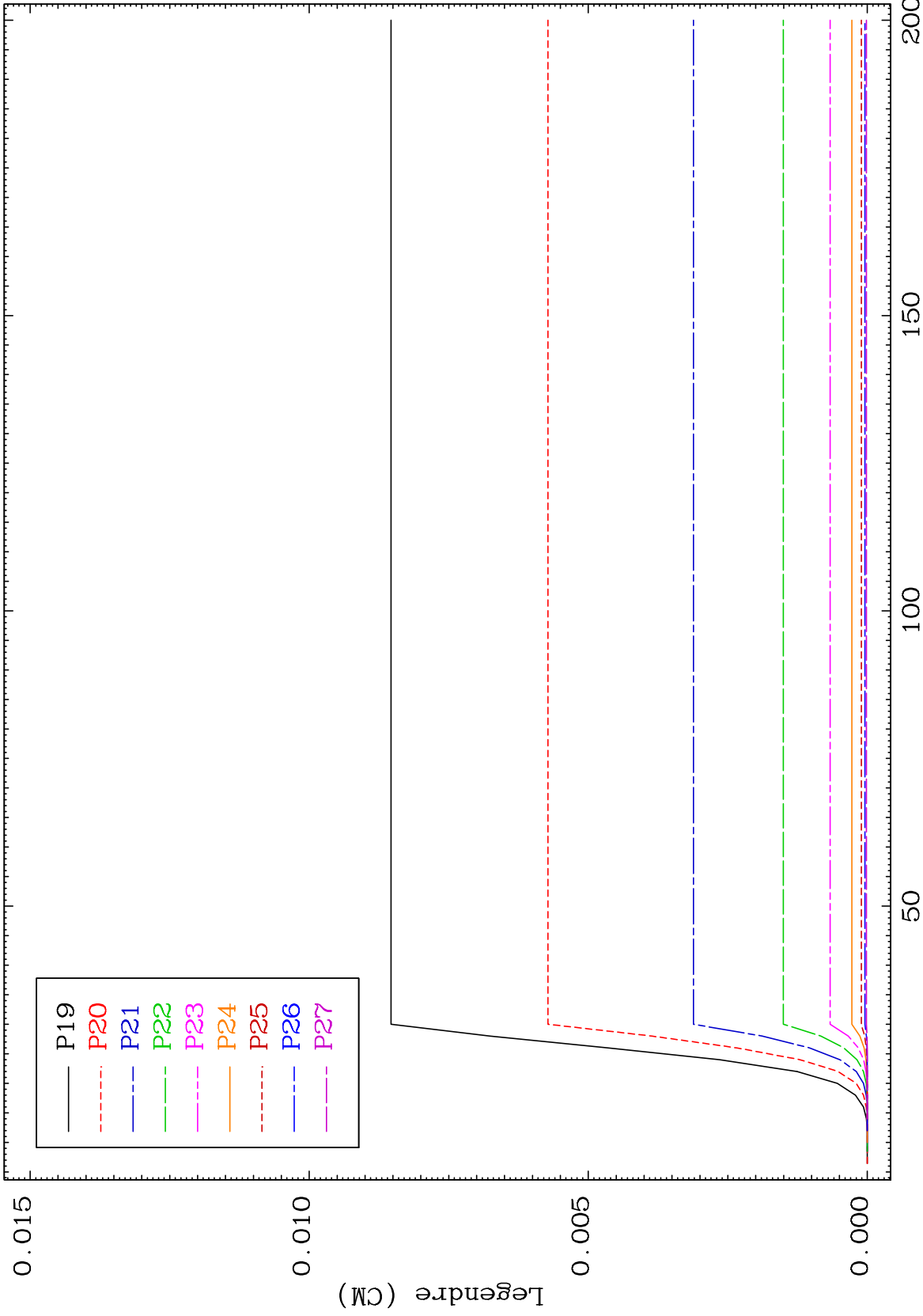
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



26

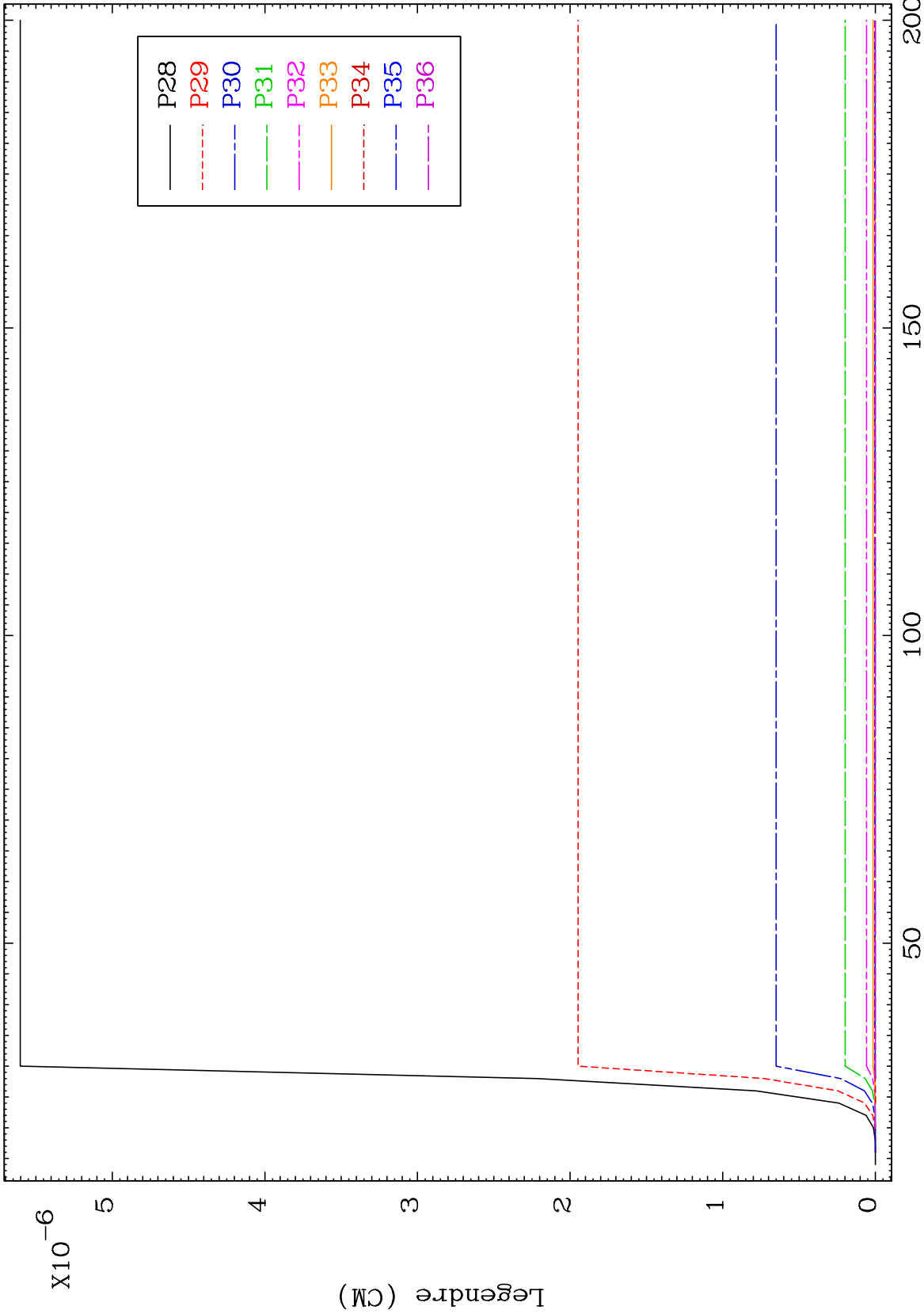
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



27

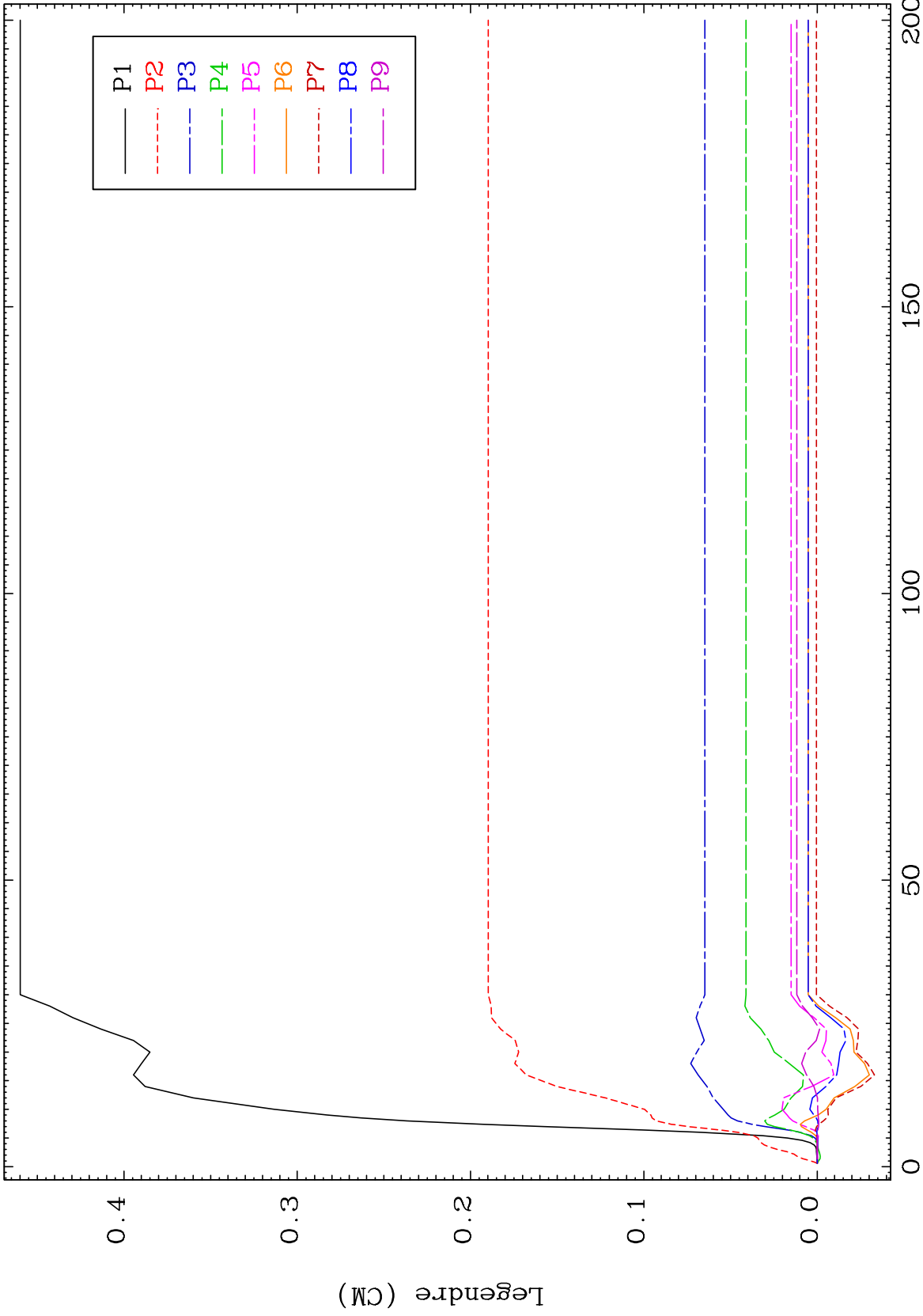
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



28

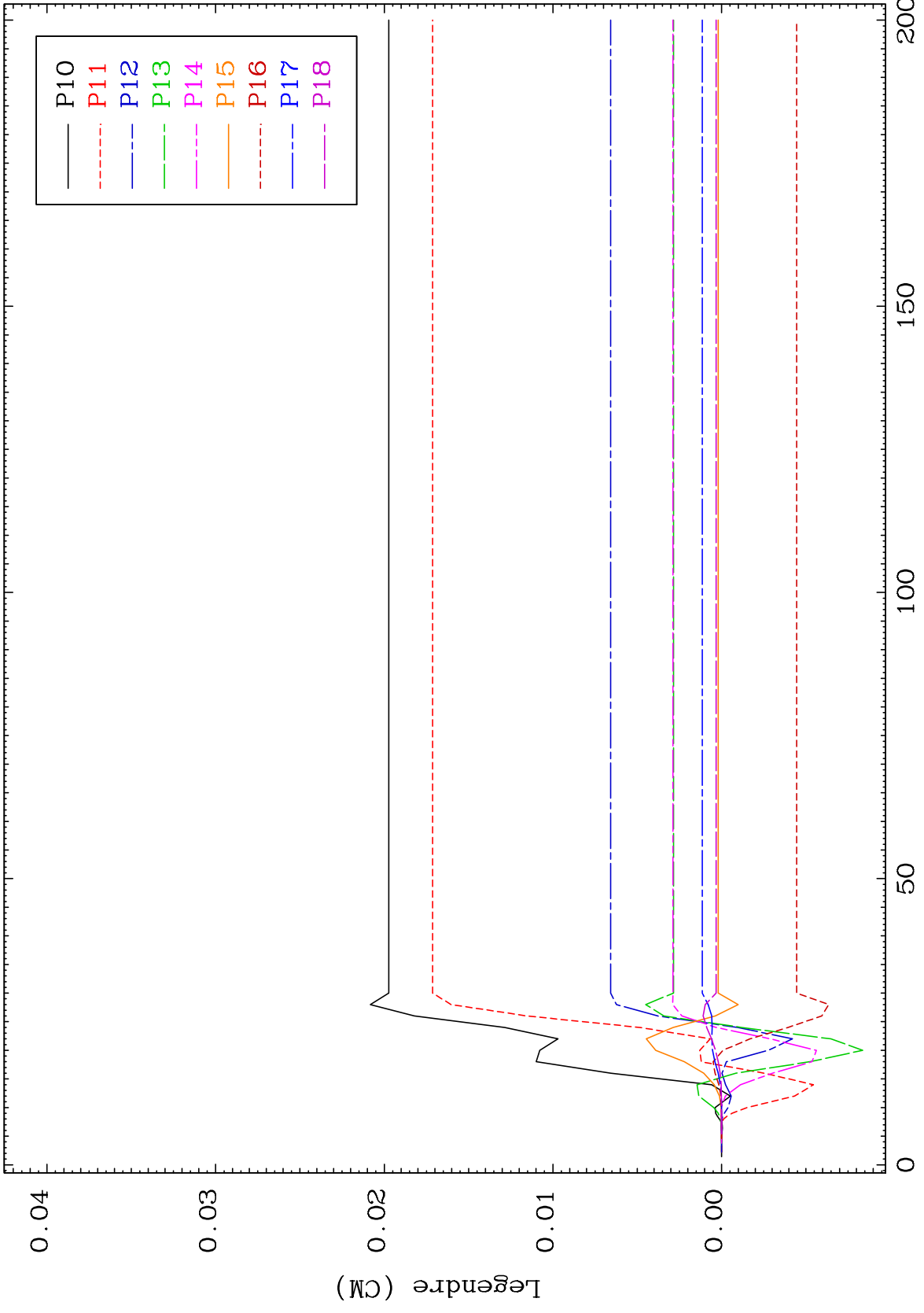
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



29

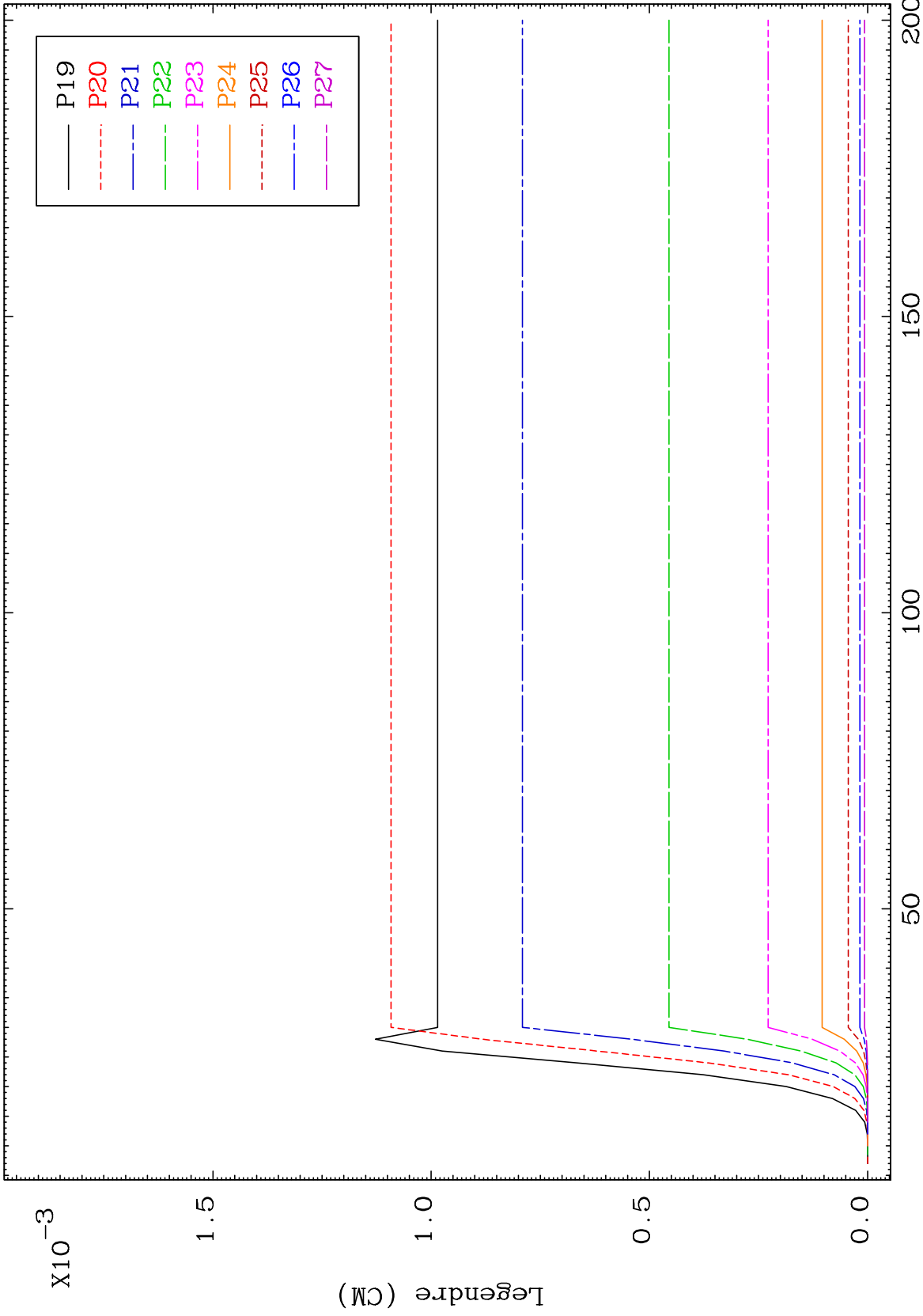
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

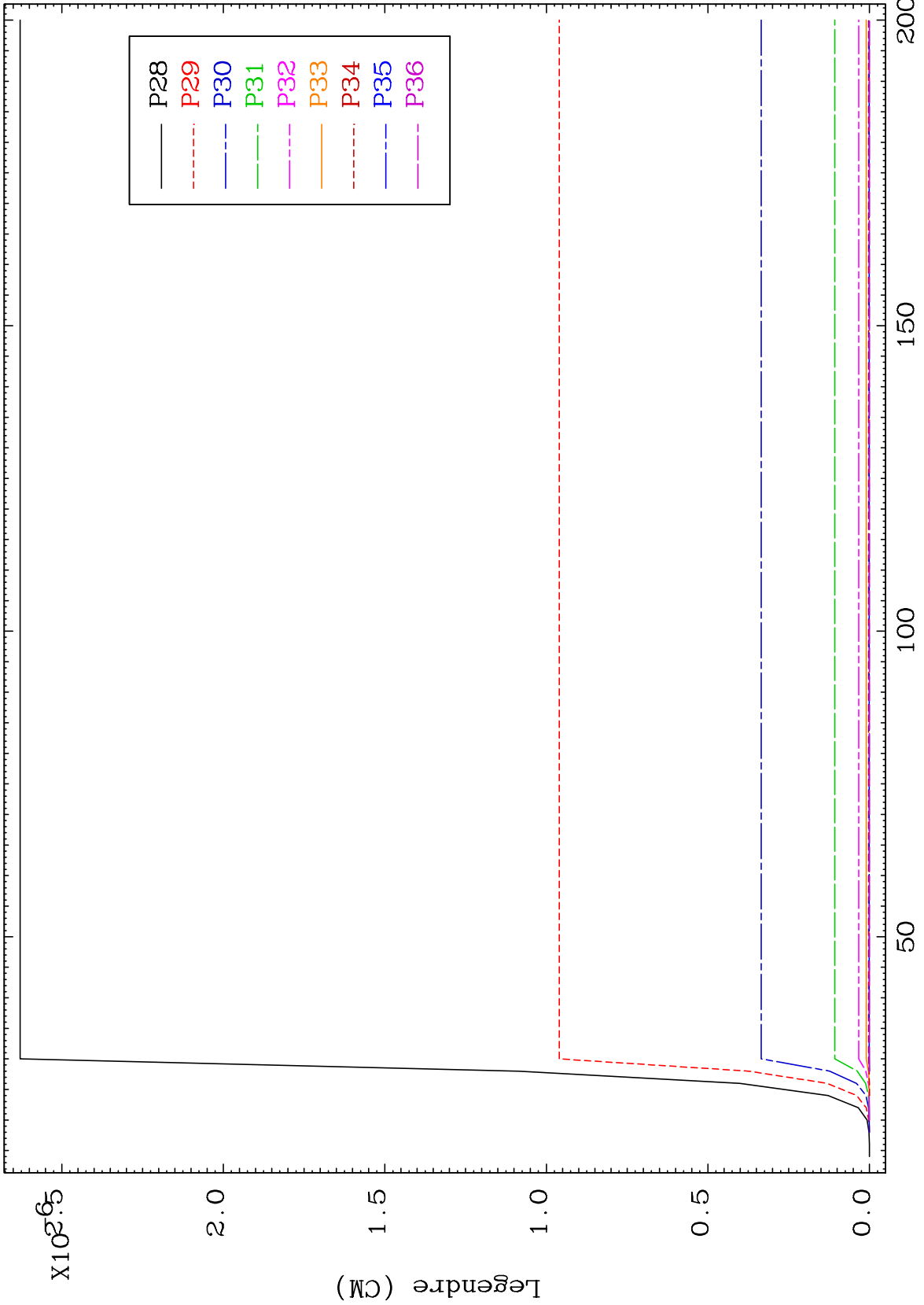
54-Xe-133



30

Incident Energy (MeV)

54-Xe-133

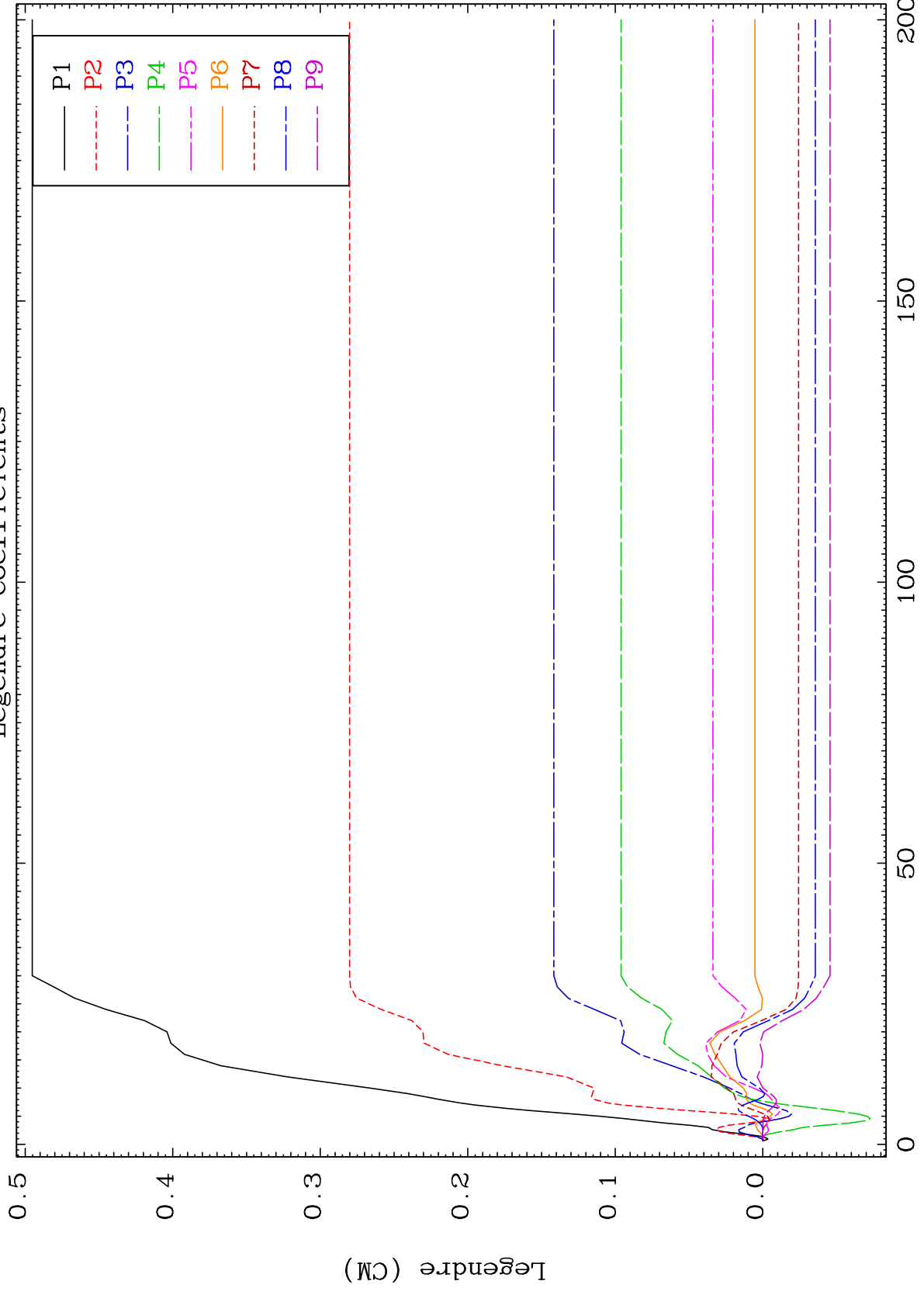




MAT 5452

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

54-Xe-133



32

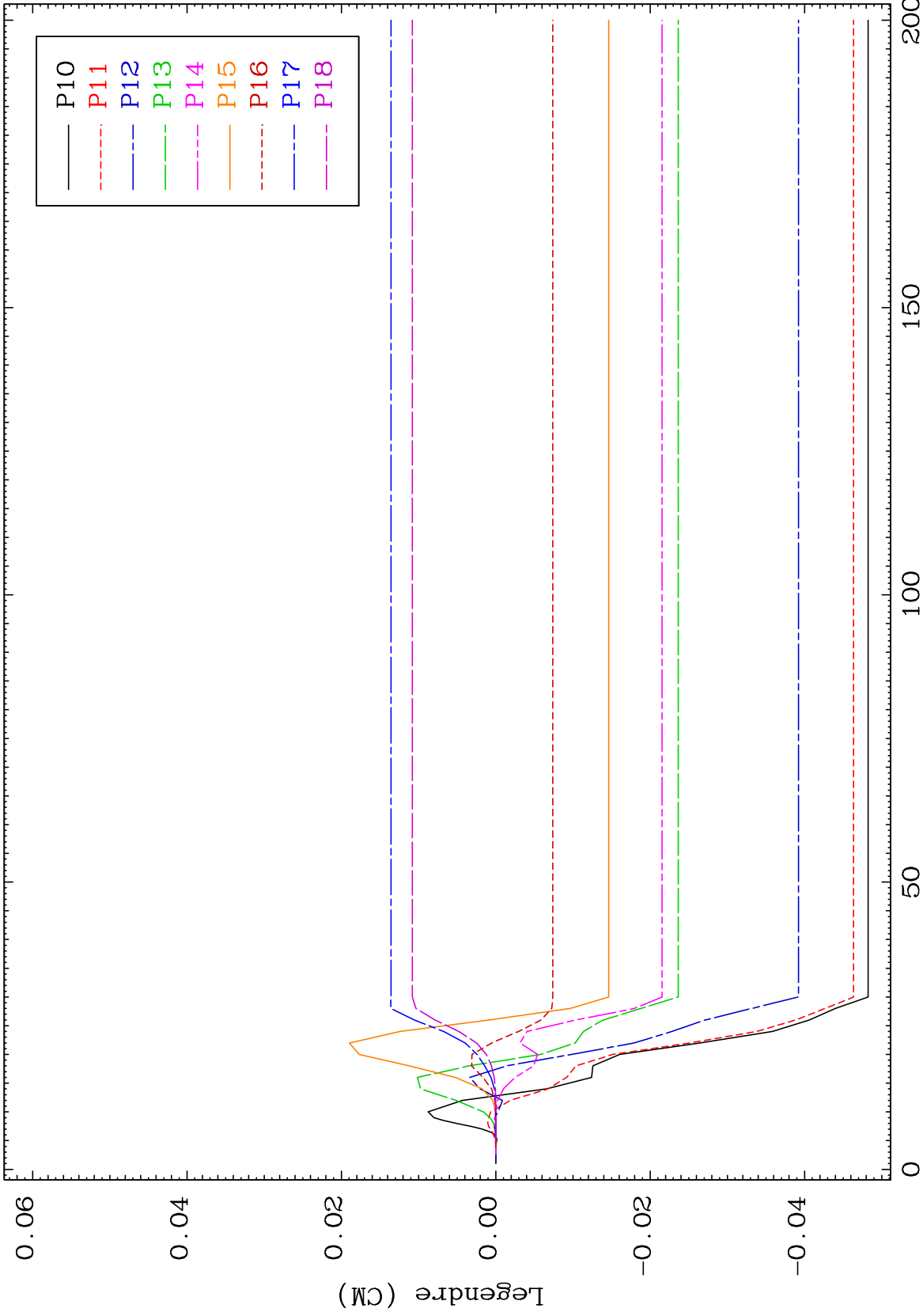
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



33

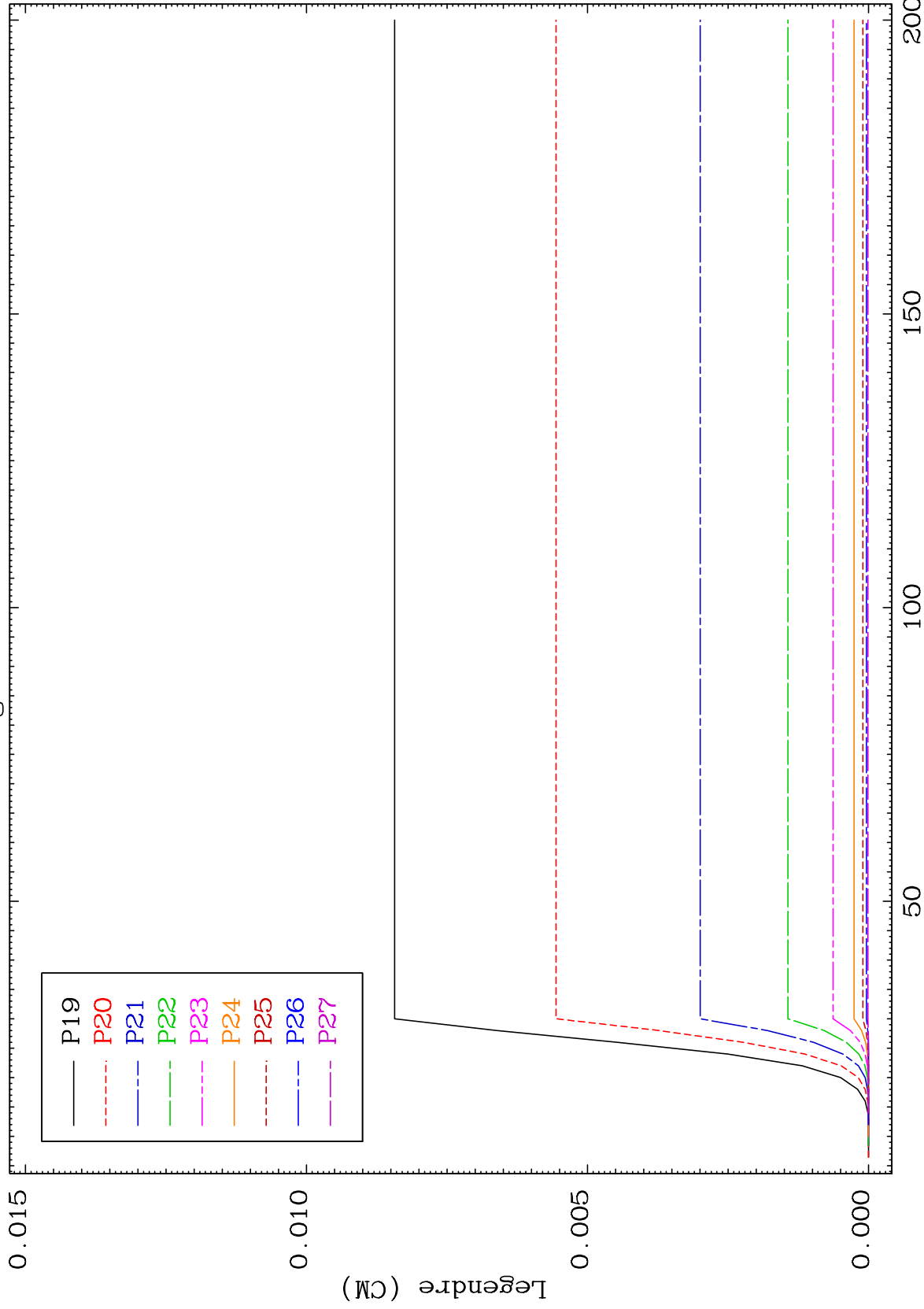
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



34

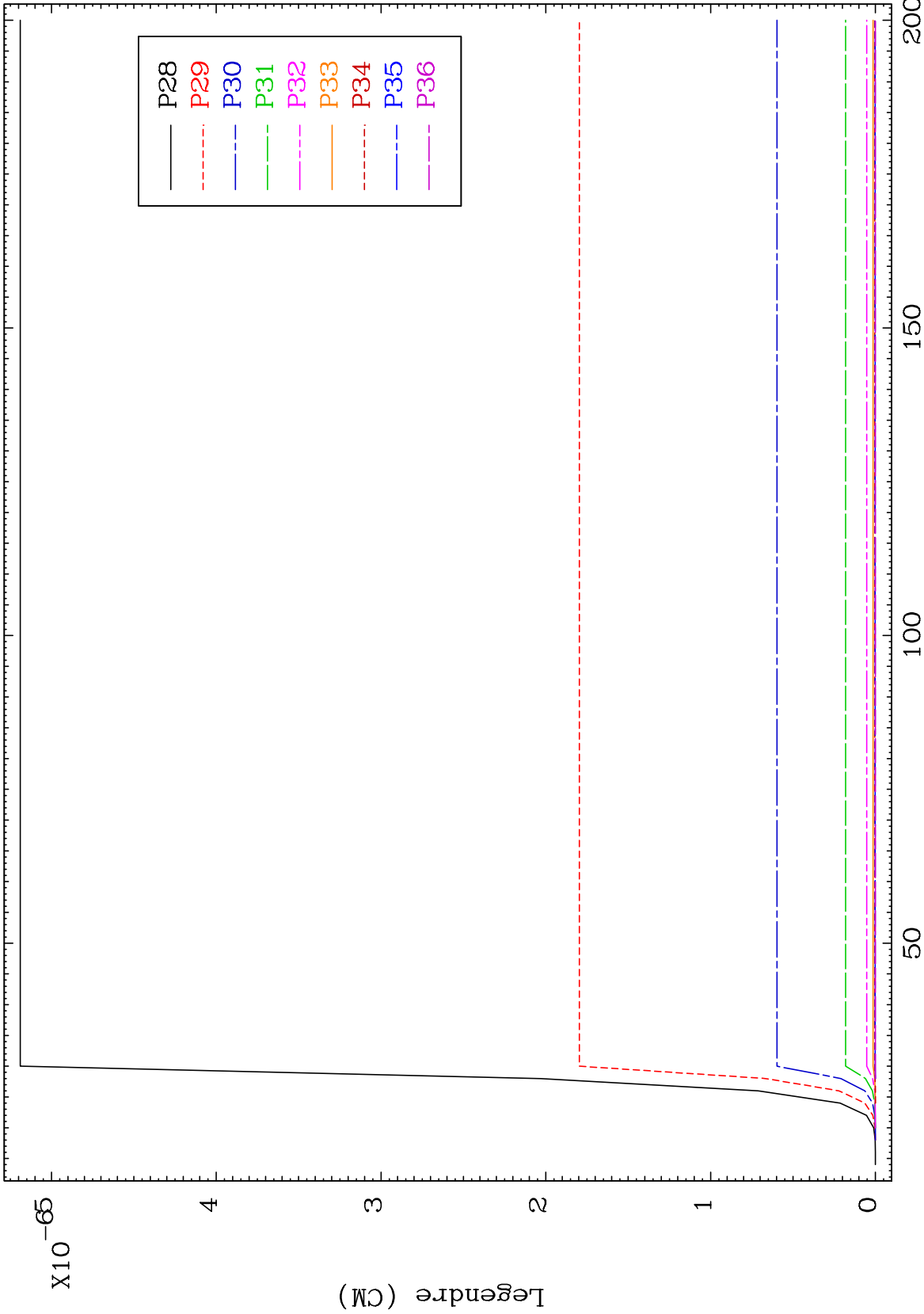
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



35

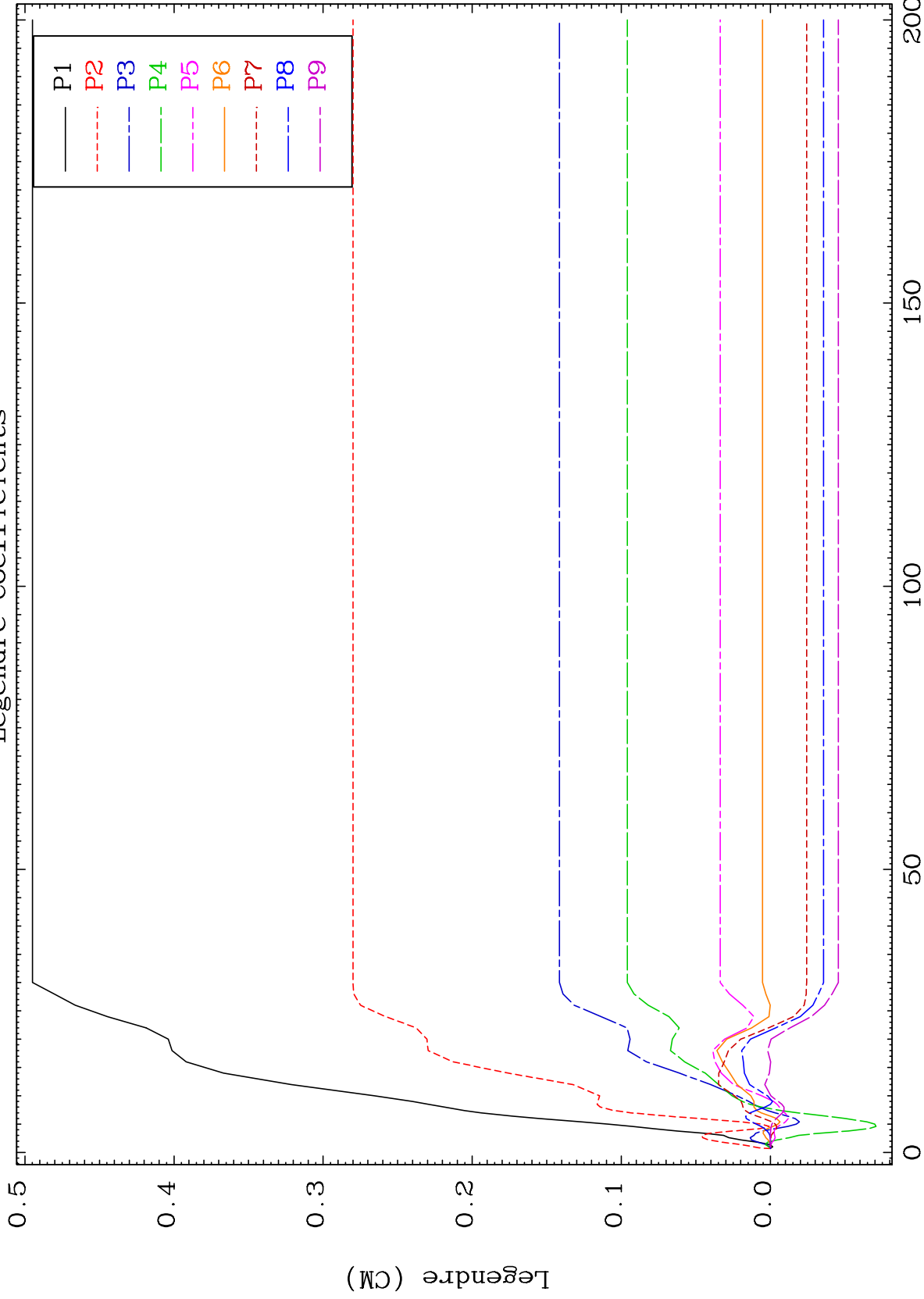
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



36

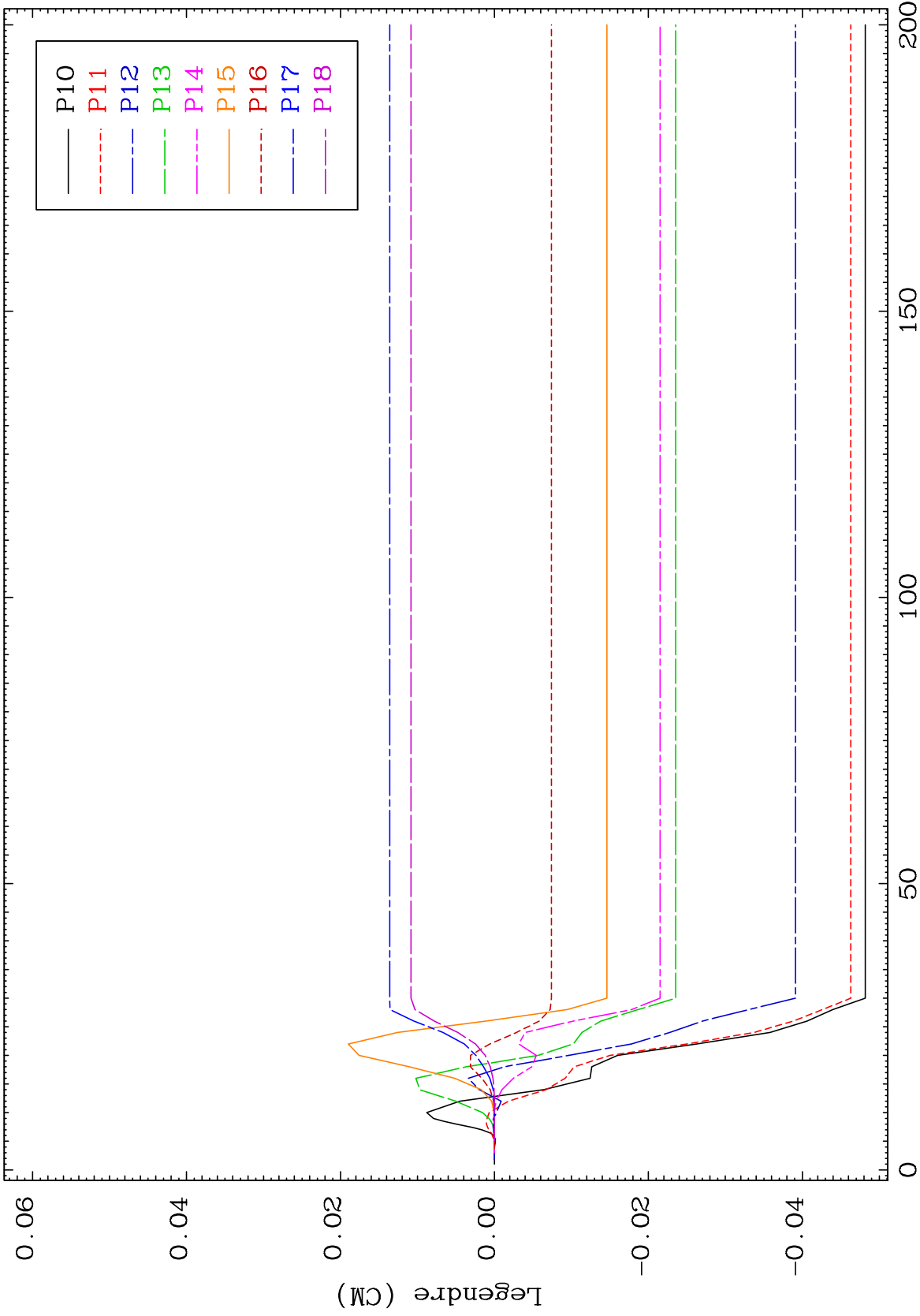
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



37

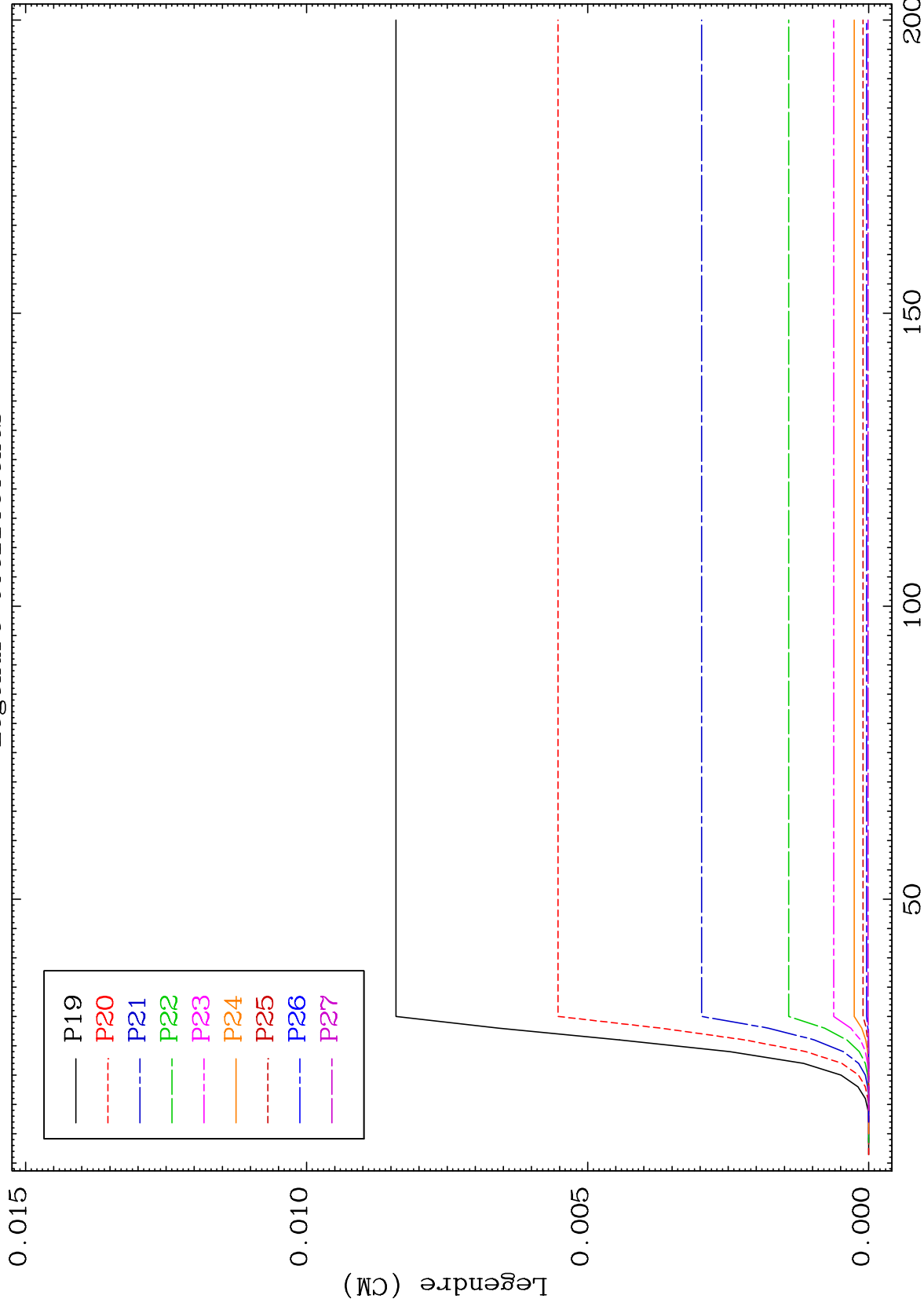
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



38

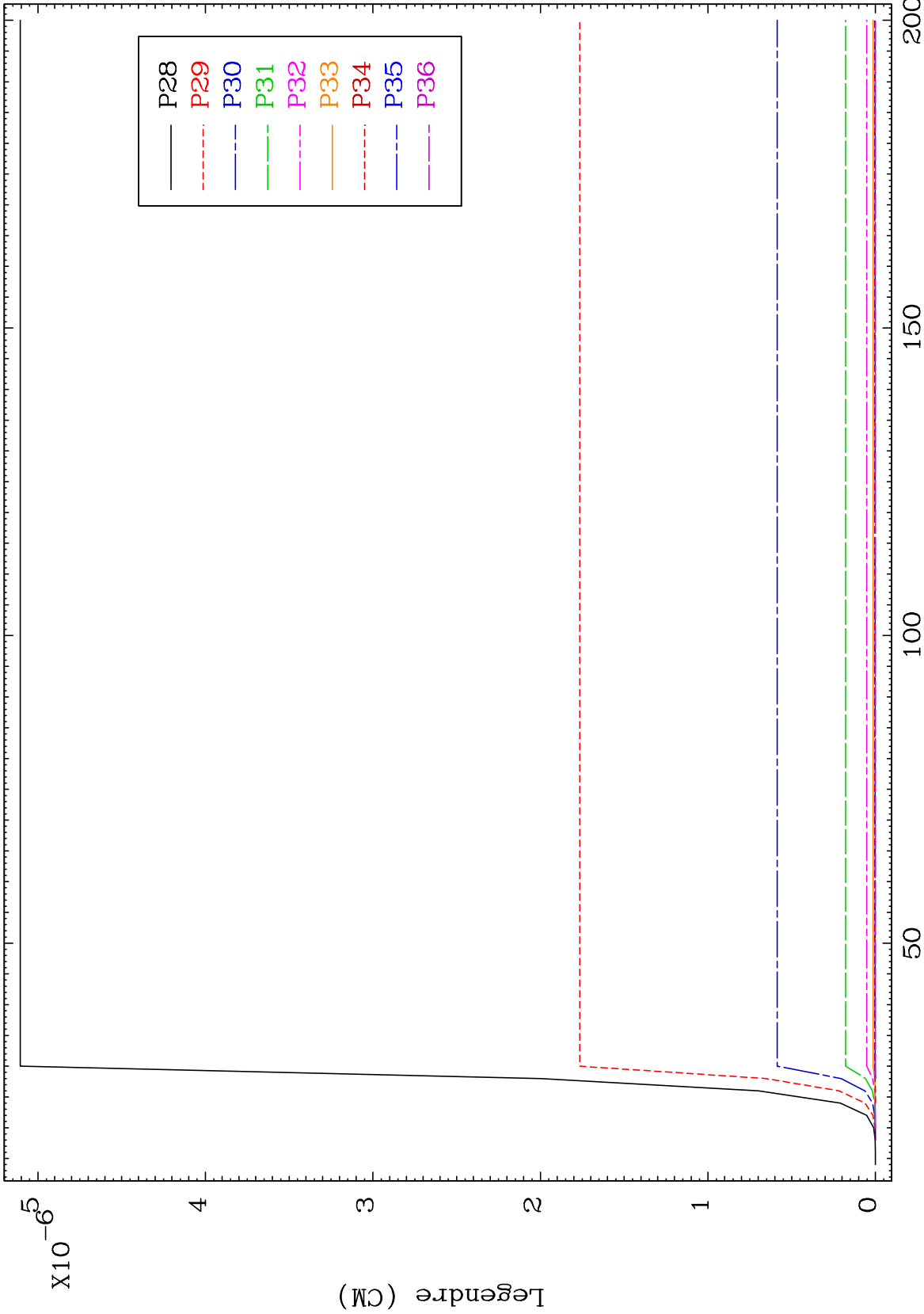
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



39

Incident Energy (MeV)

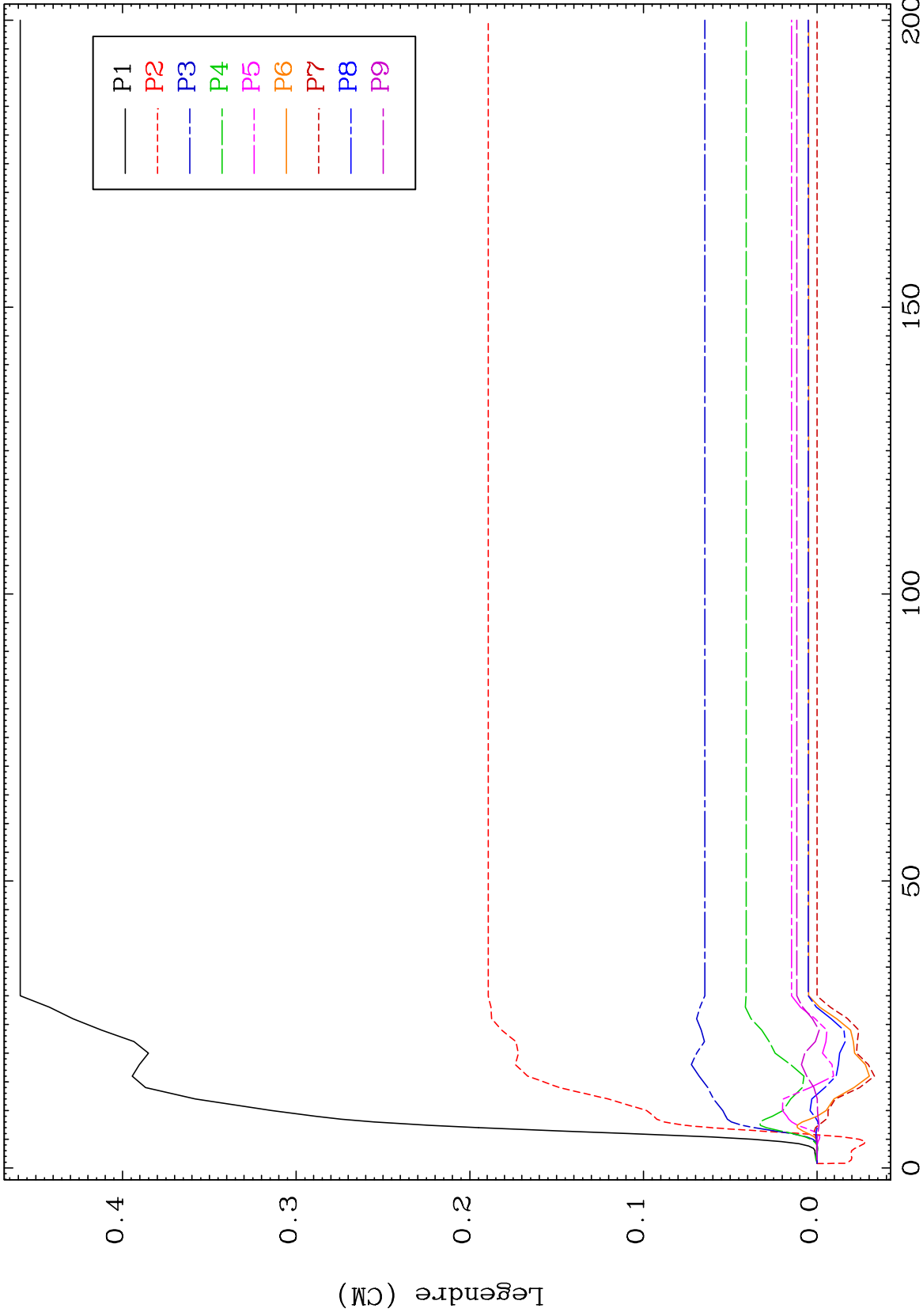
54-Xe-133



MAT 5452

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

54-Xe-133



40

Incident Energy (MeV)

150

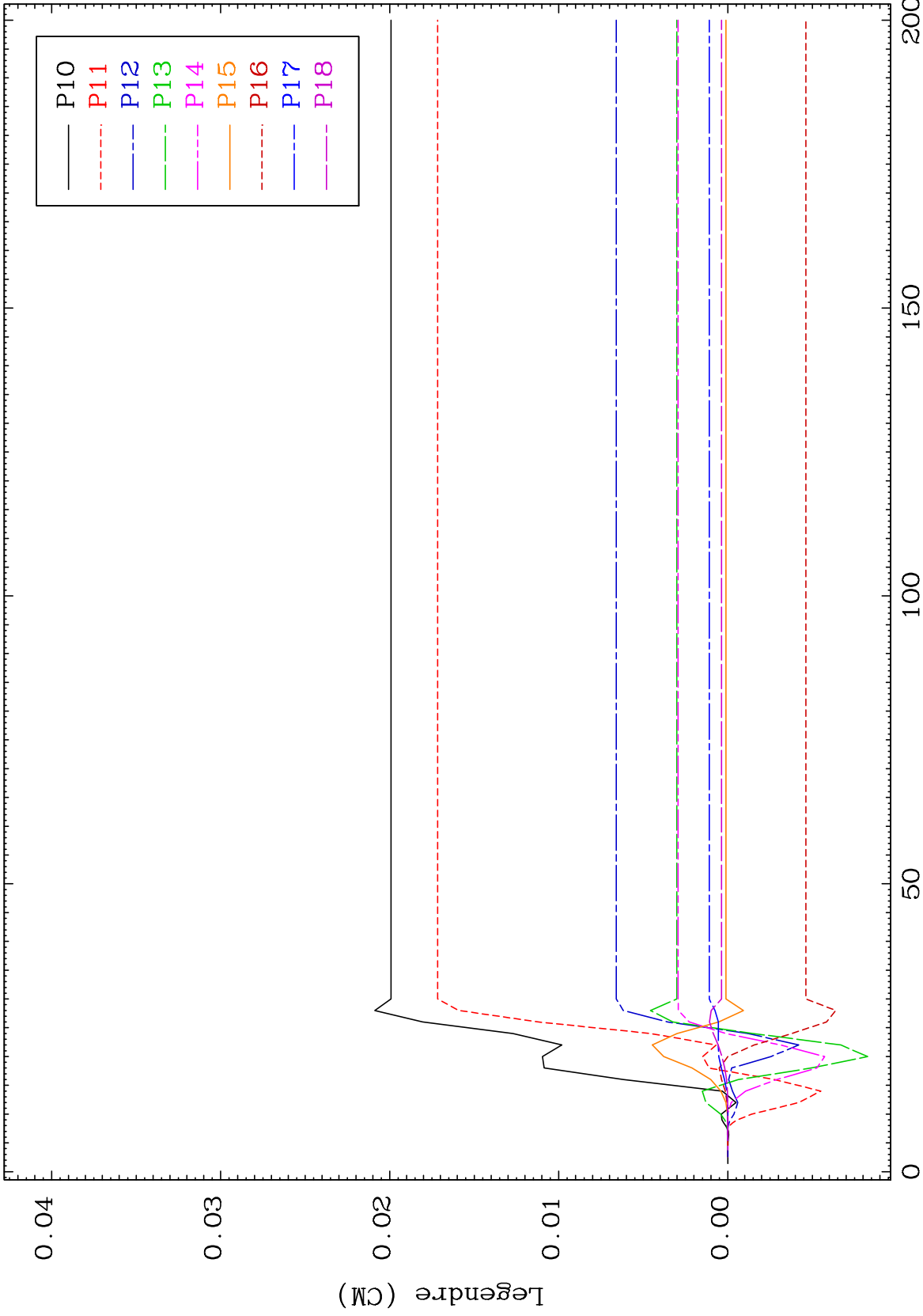
54-Xe-133

200

MAT 5452

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

54-Xe-133



41

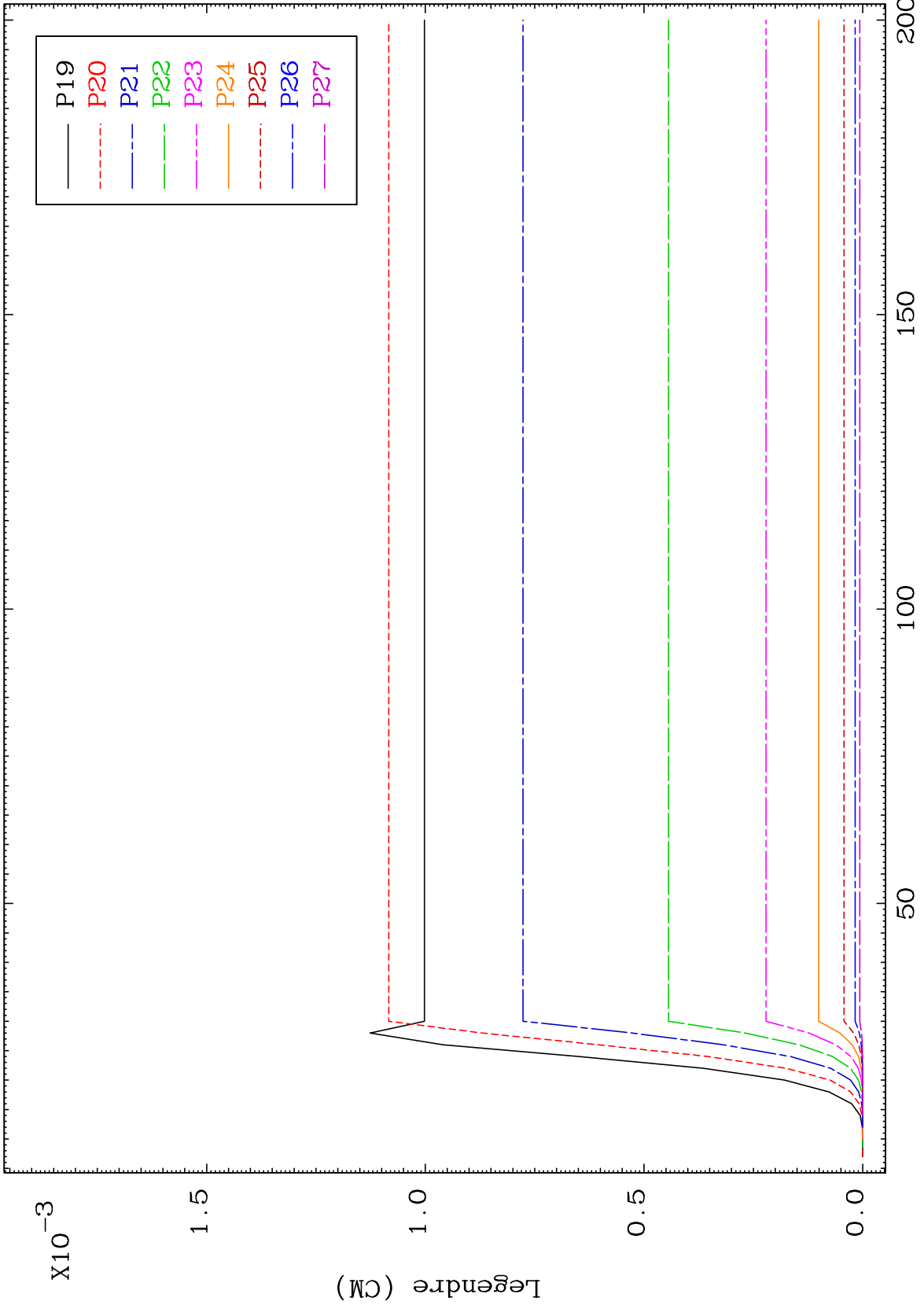
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



42

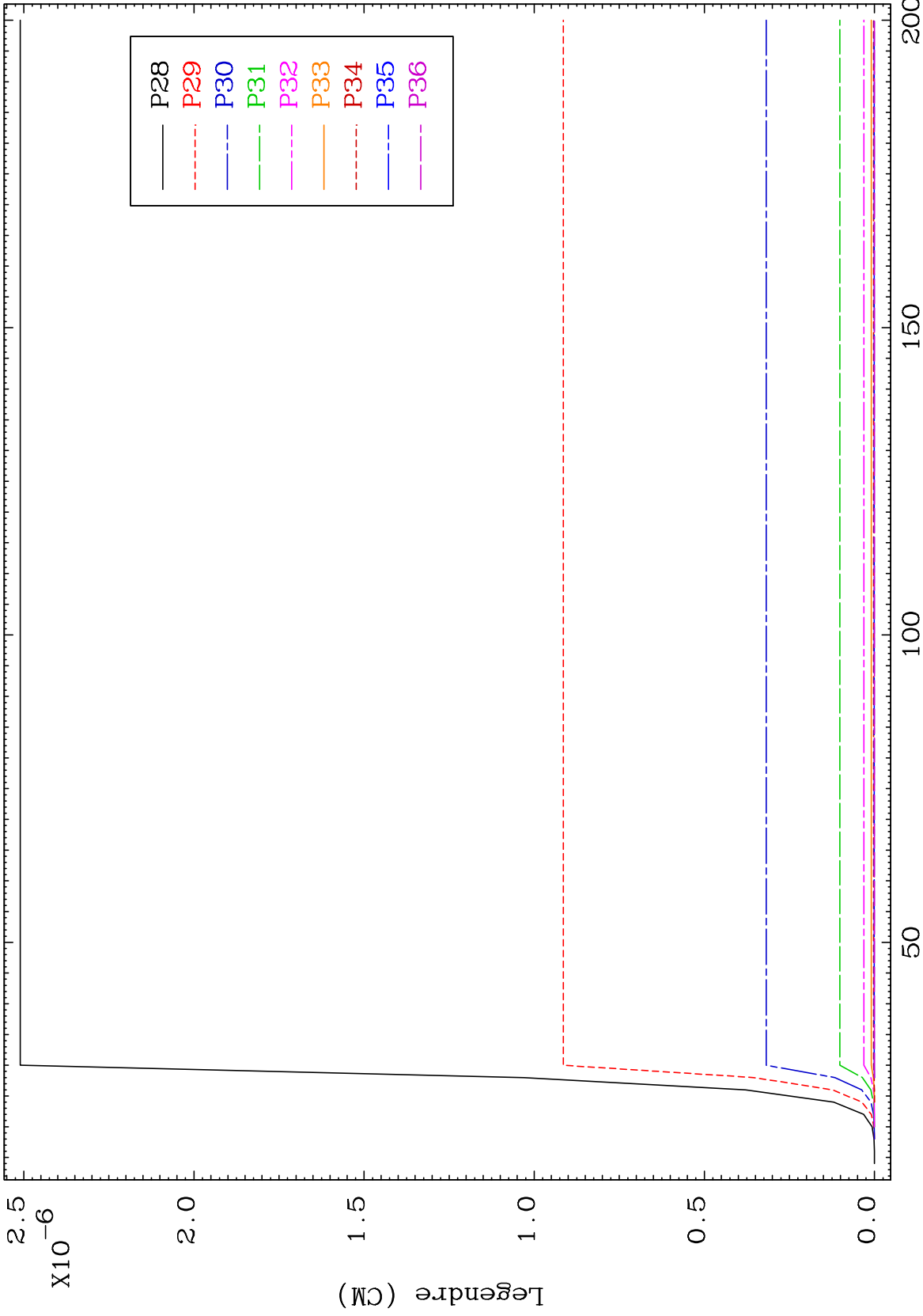
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



43

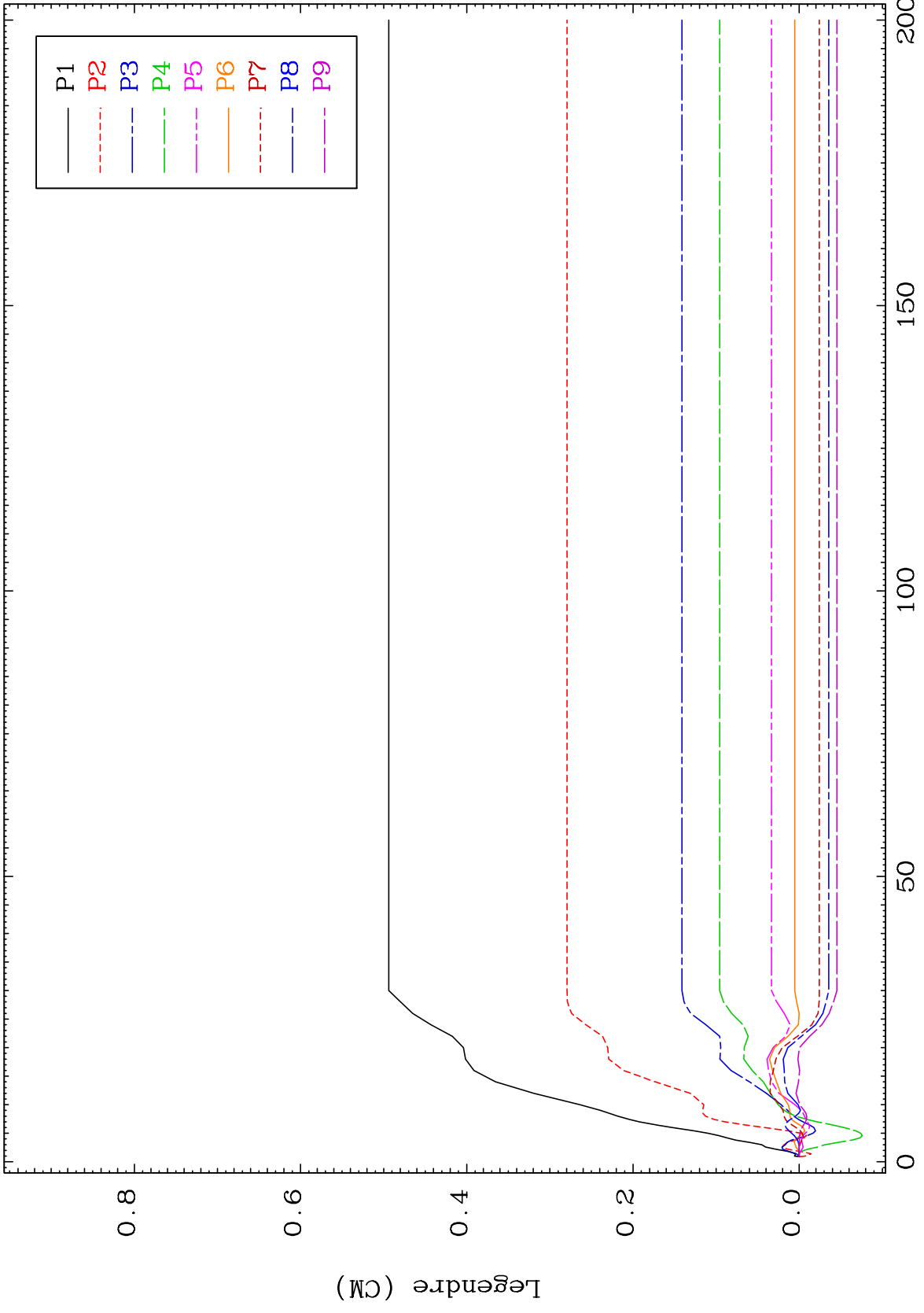
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



44

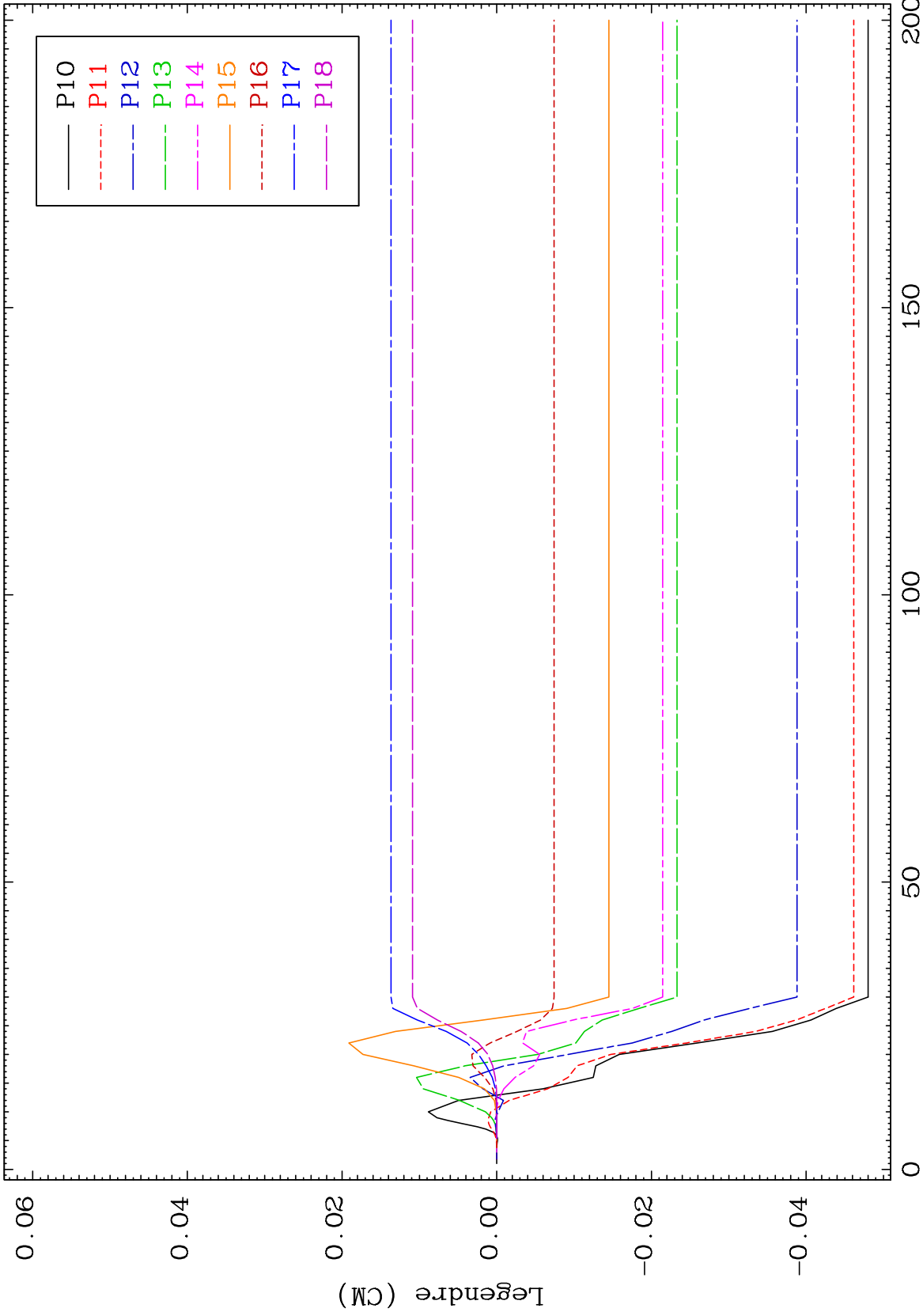
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



45

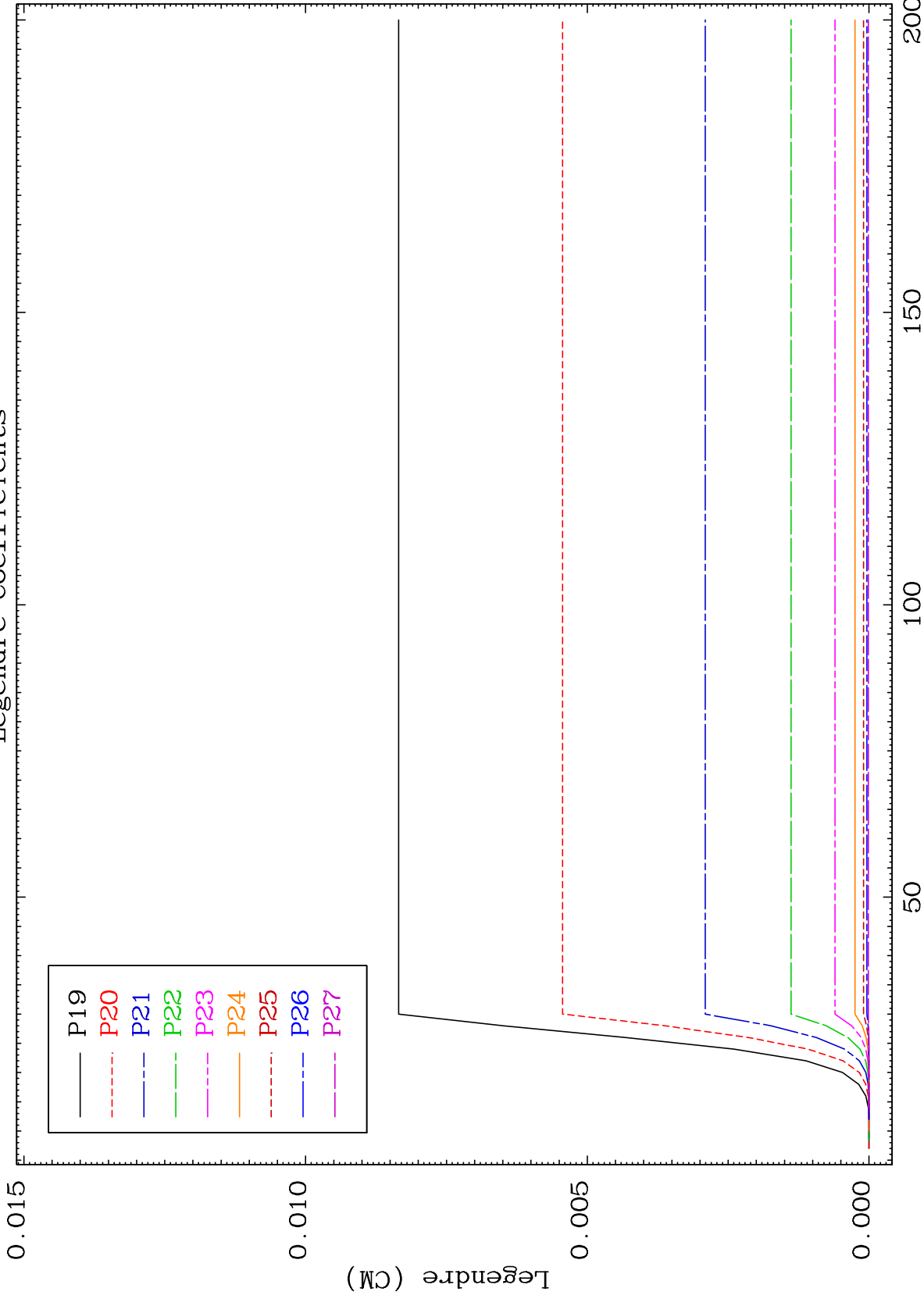
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



46

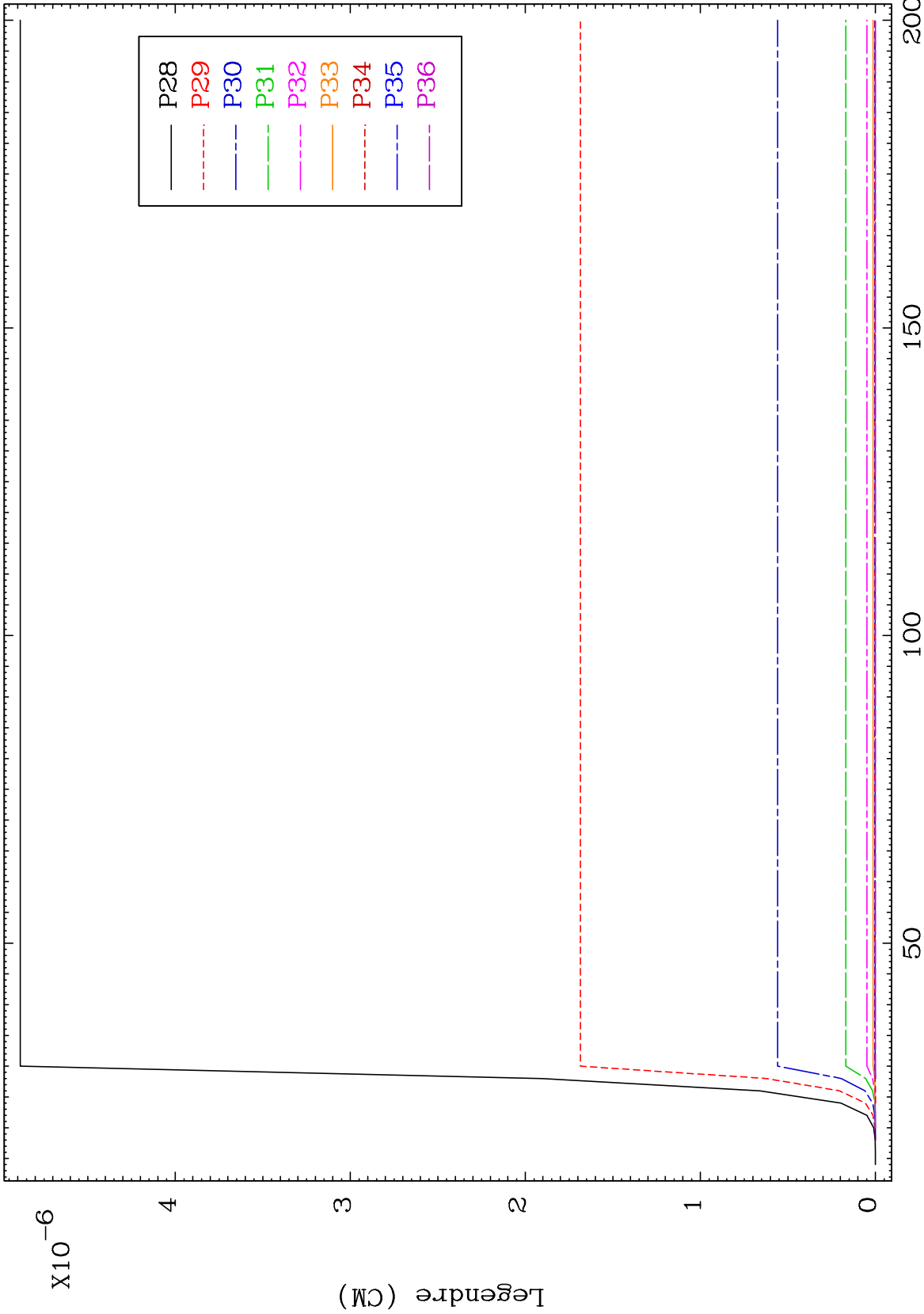
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



47

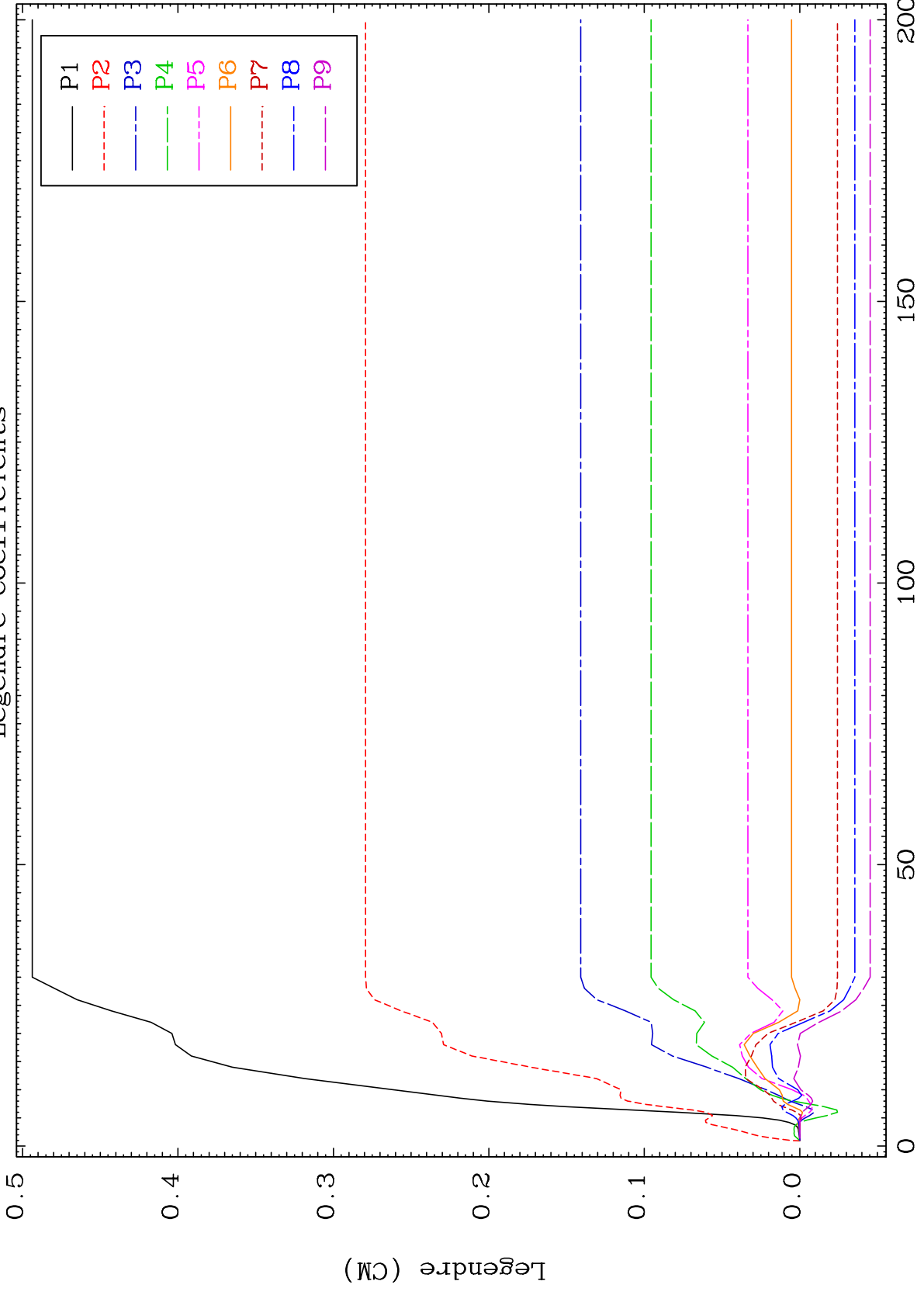
54-Xe-133



MAT 5452

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

54-Xe-133



48

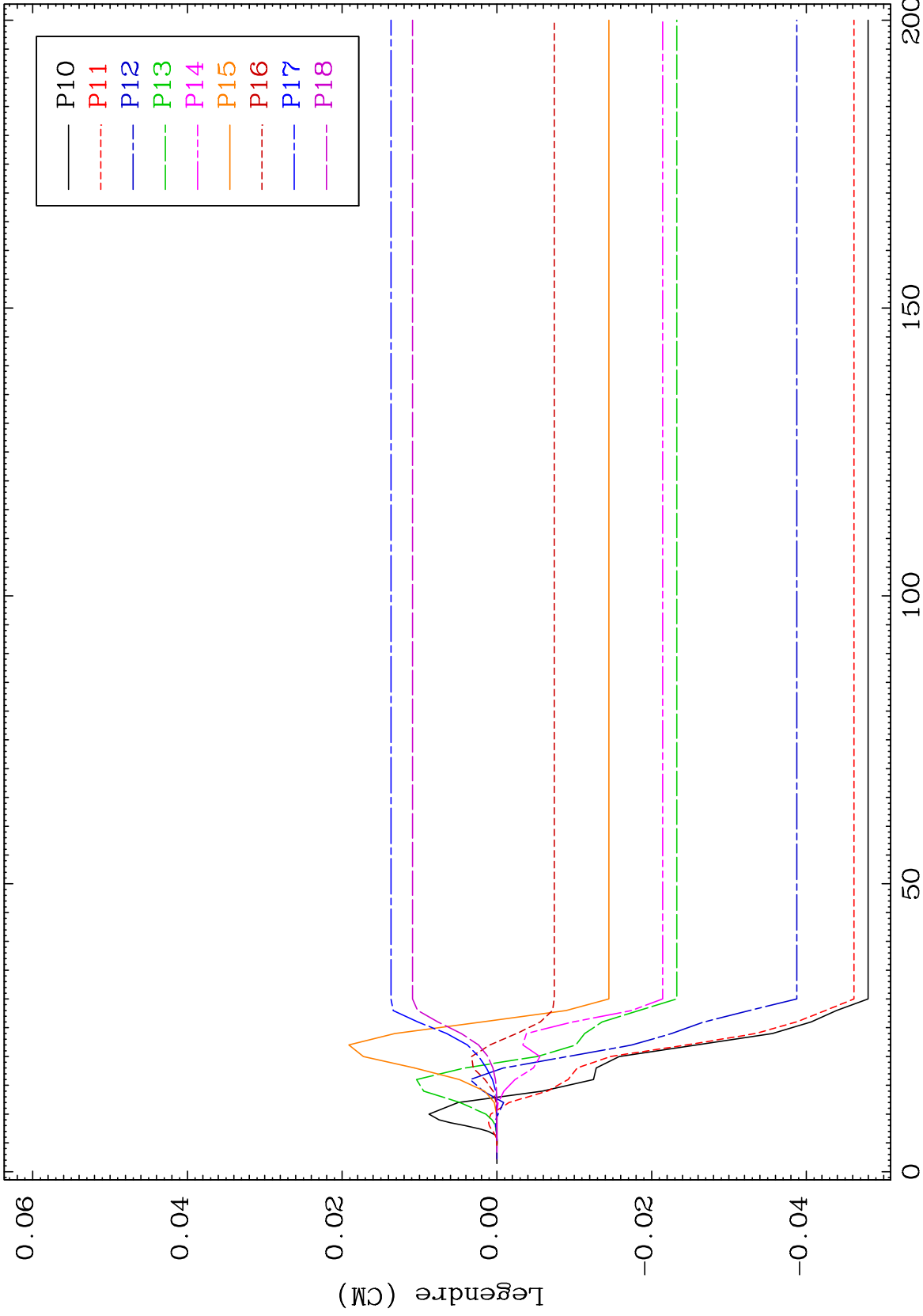
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



49

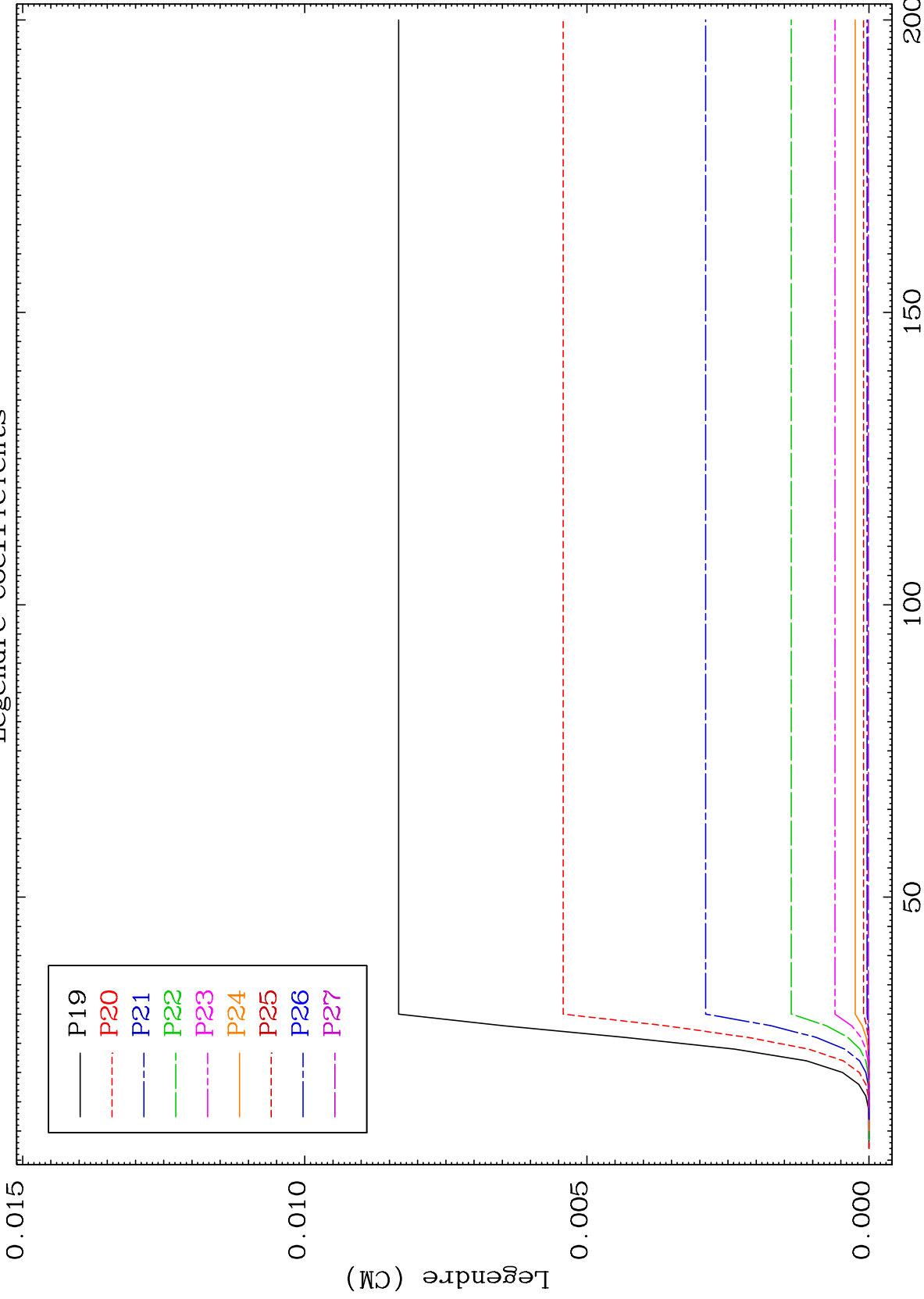
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

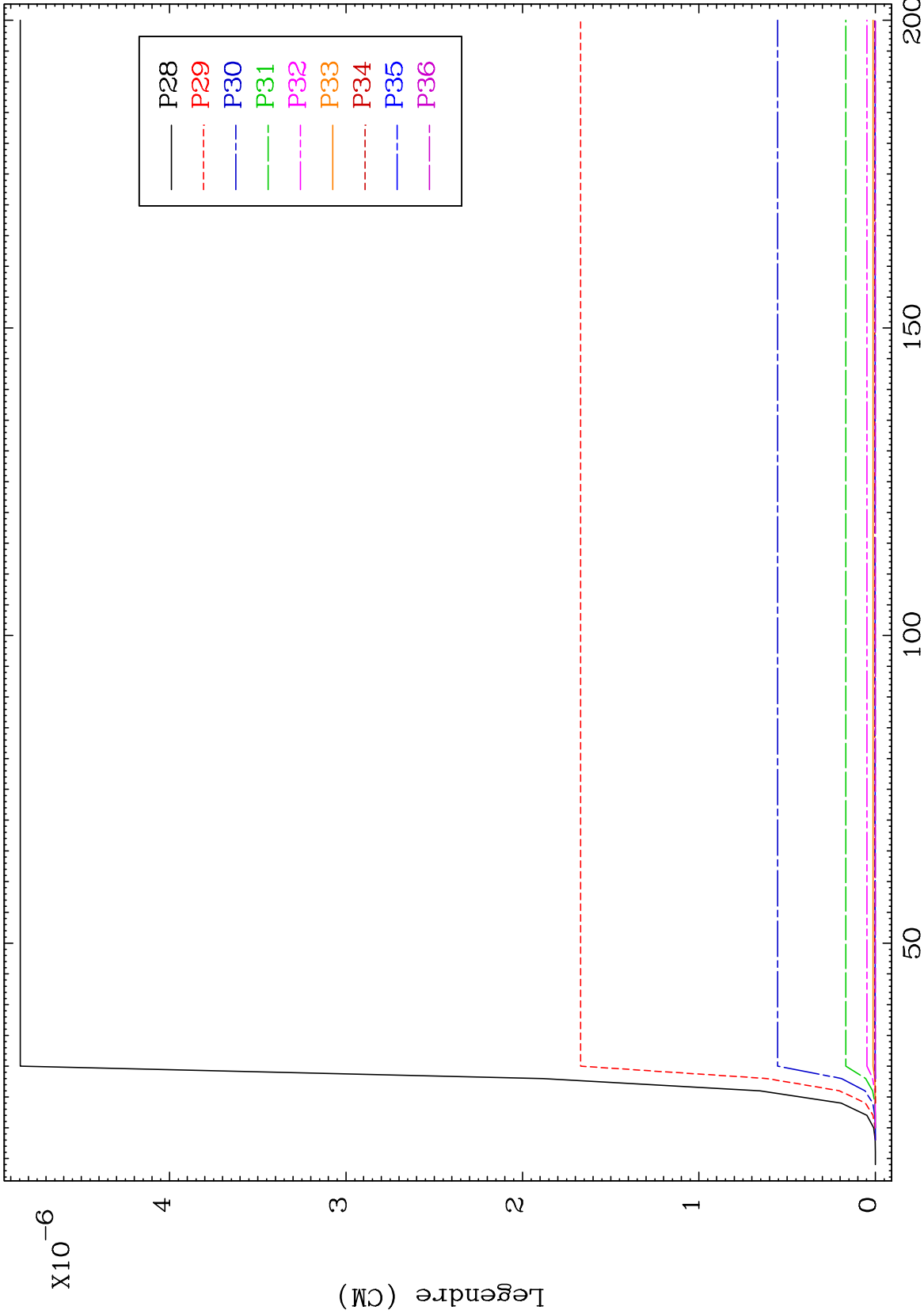
Incident Energy (MeV)

50

MAT 5452

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

54-Xe-133



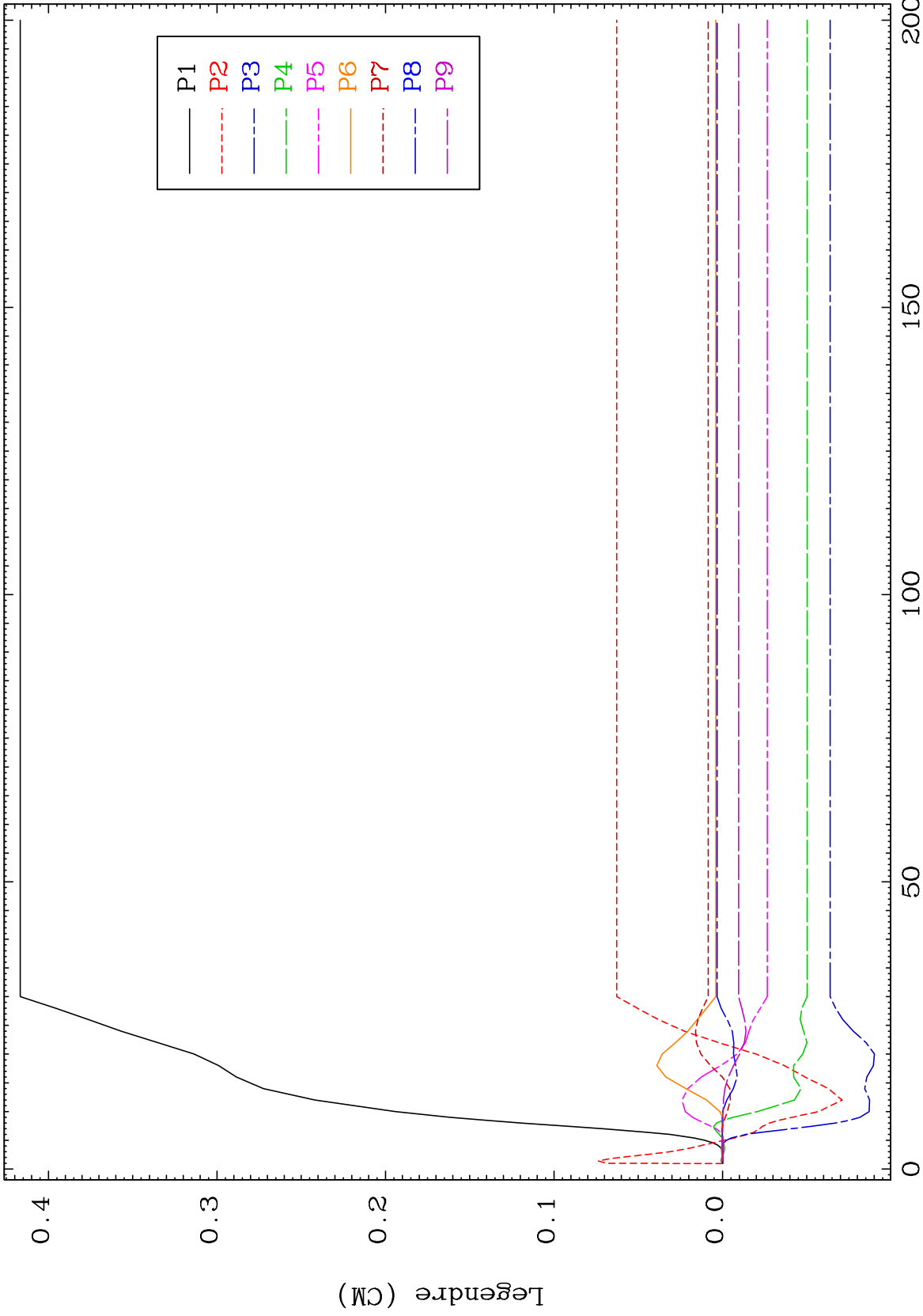
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54-Xe-133

MAT 5452

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

54-Xe-133



52

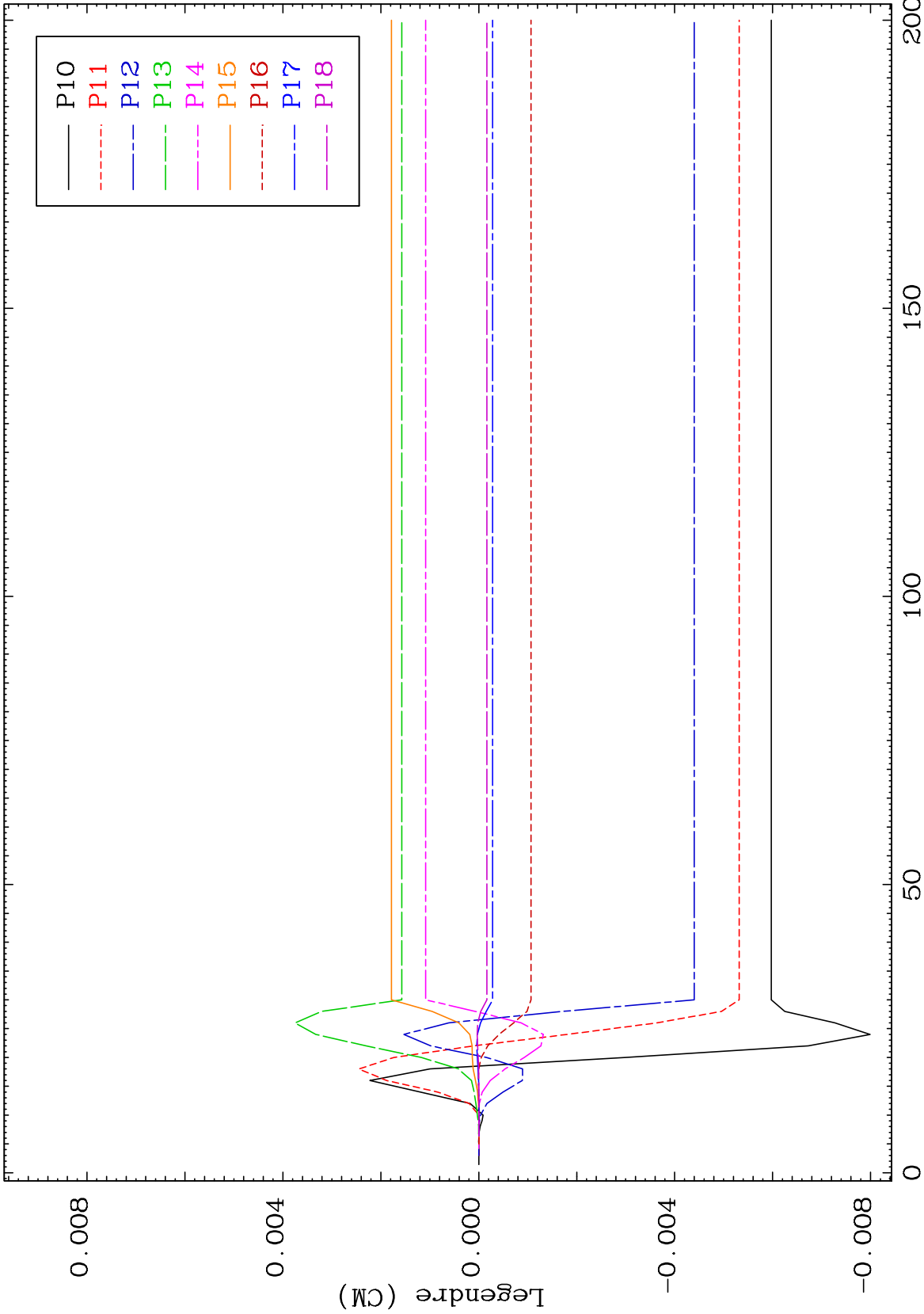
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



53

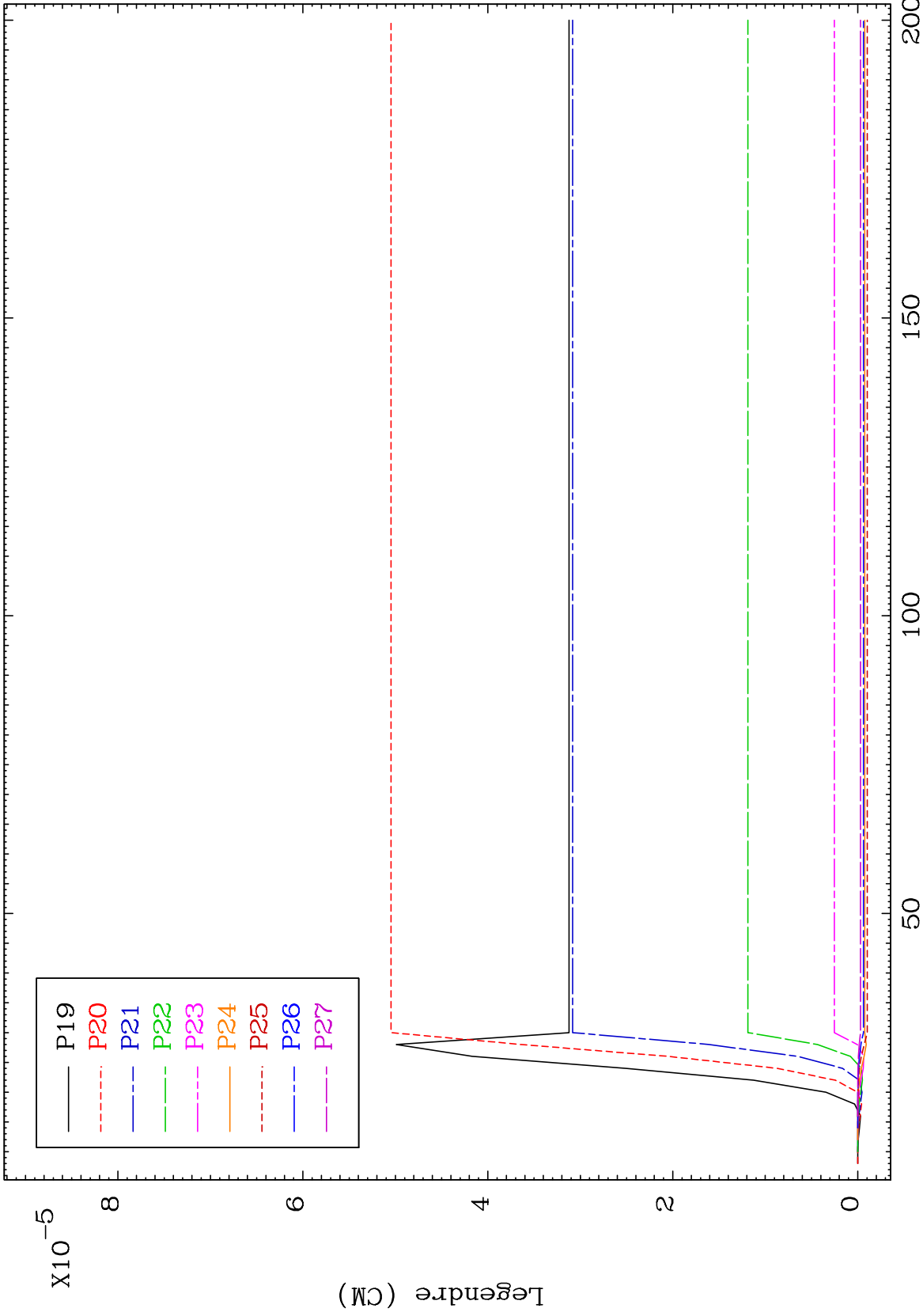
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

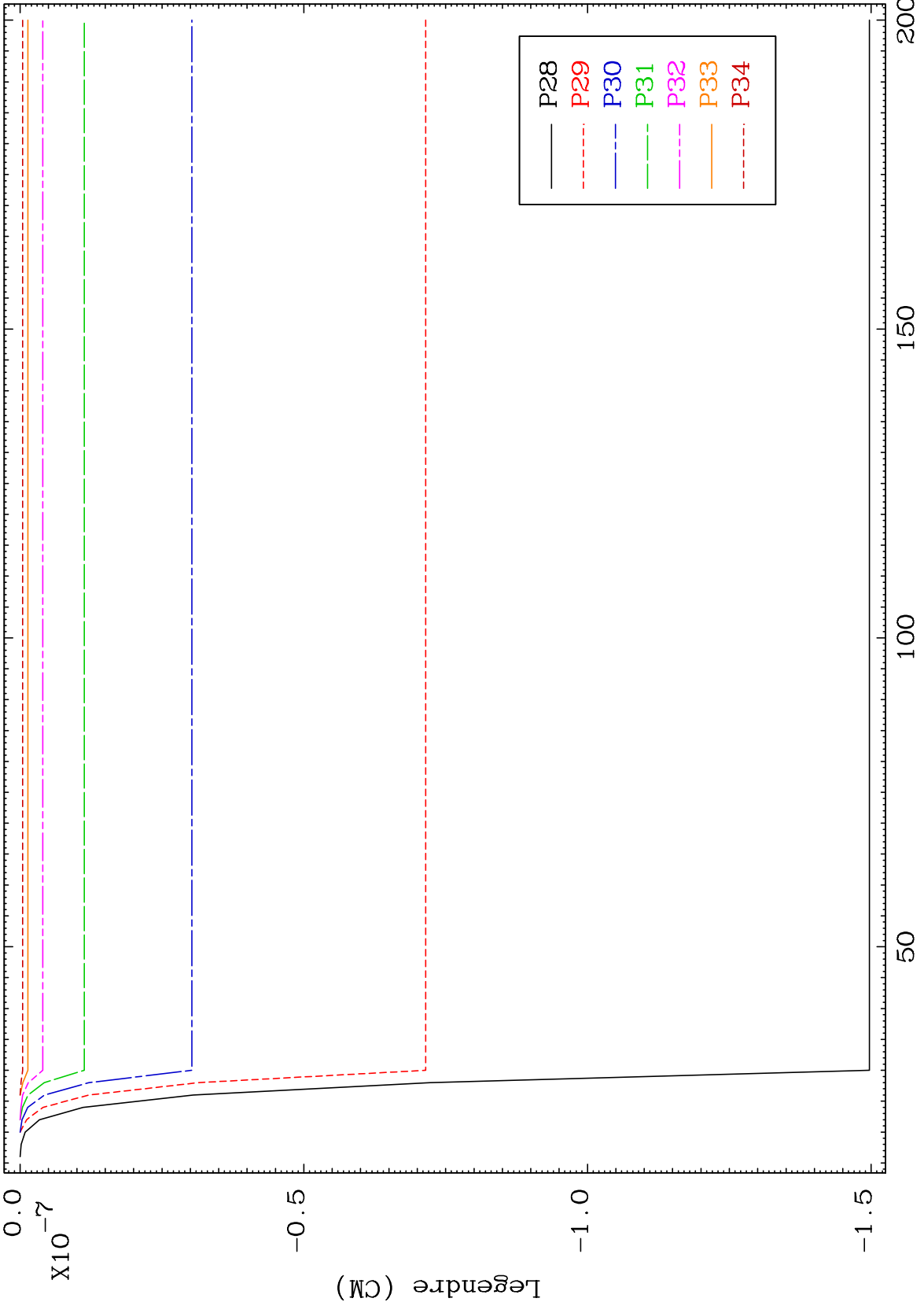


54

Incident Energy (MeV)

54-Xe-133

MAT 5452 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-133



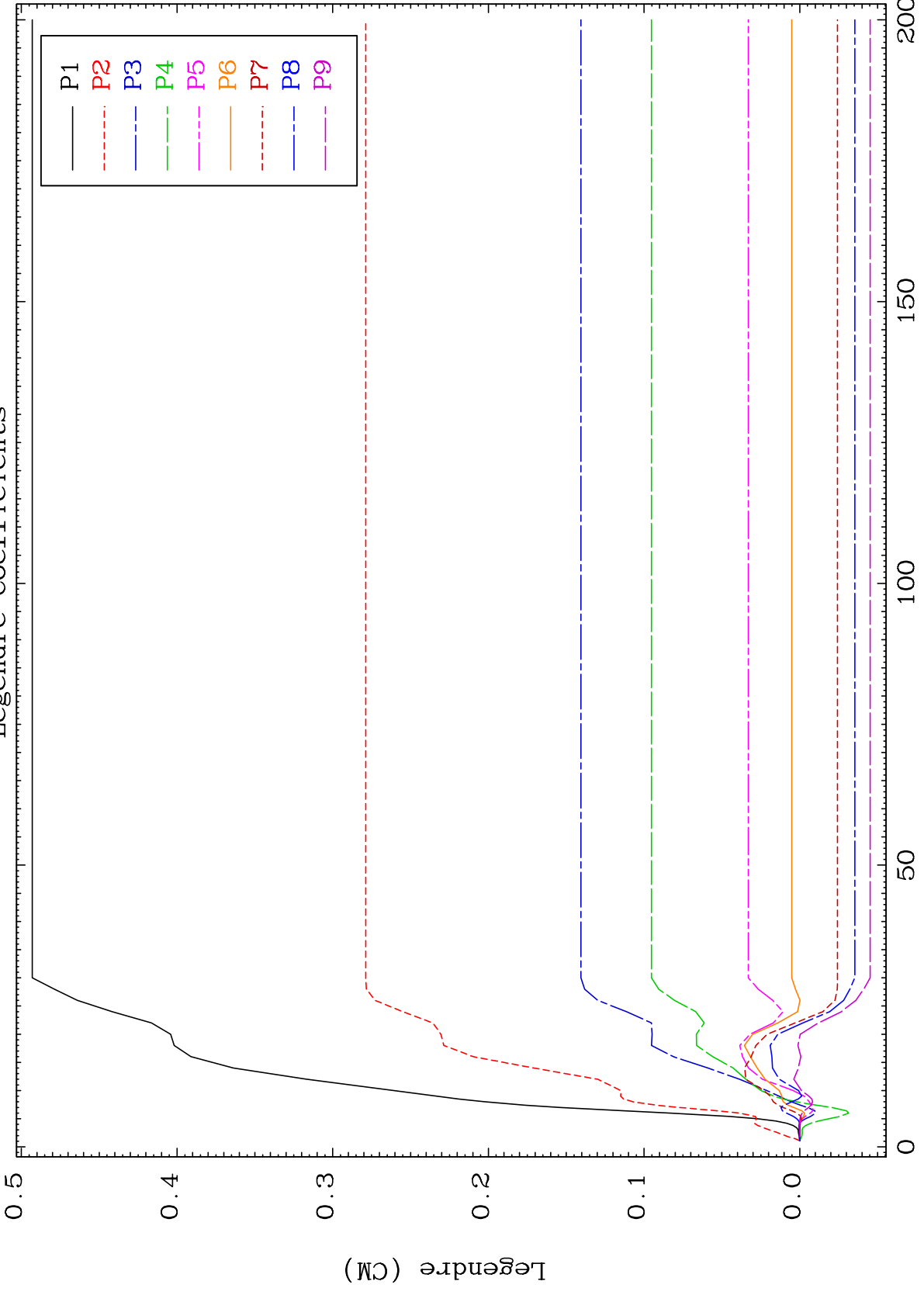
55 54-Xe-133



MAT 5452

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

54-Xe-133



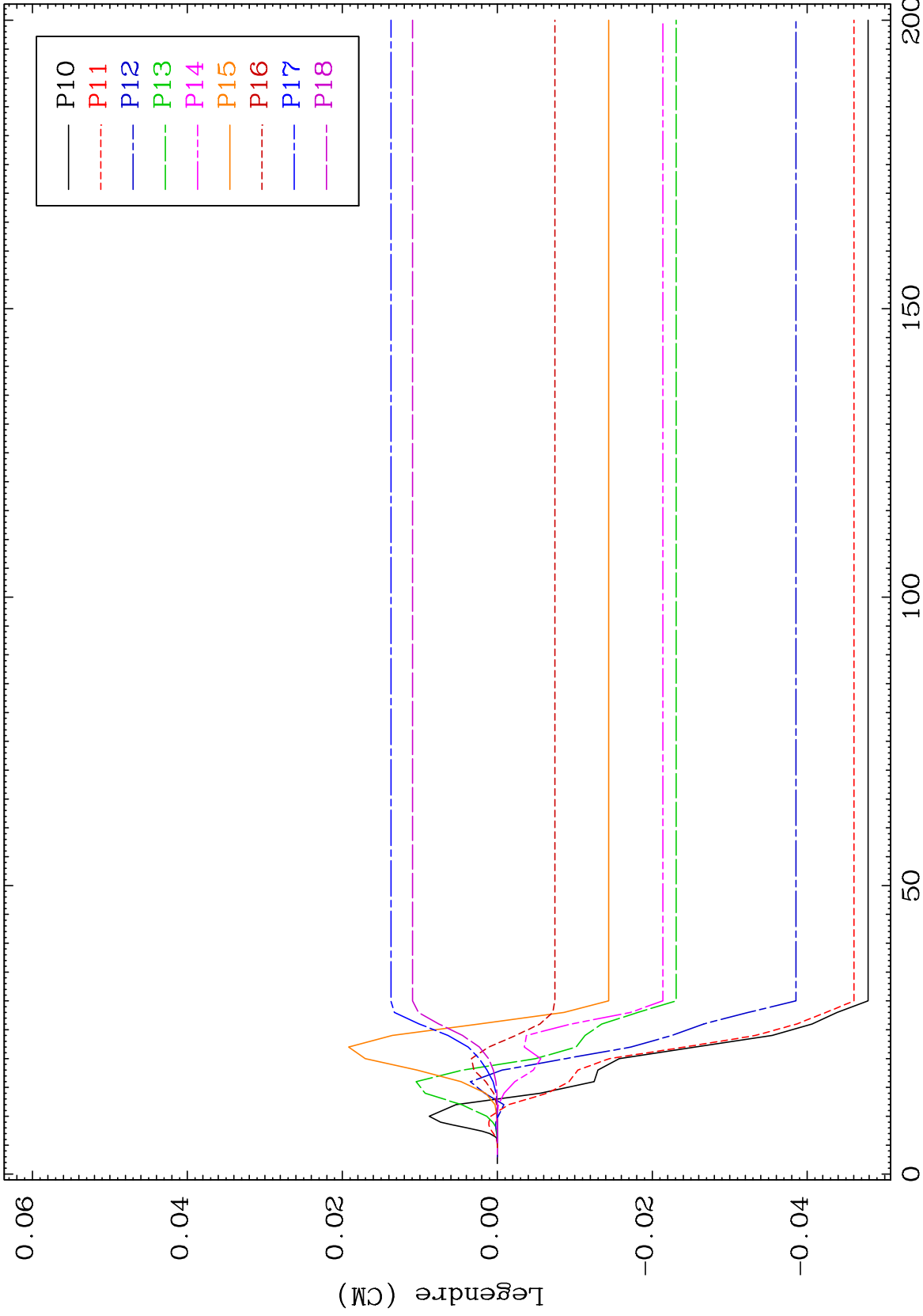
56

54-Xe-133

MAT 5452

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

54-Xe-133

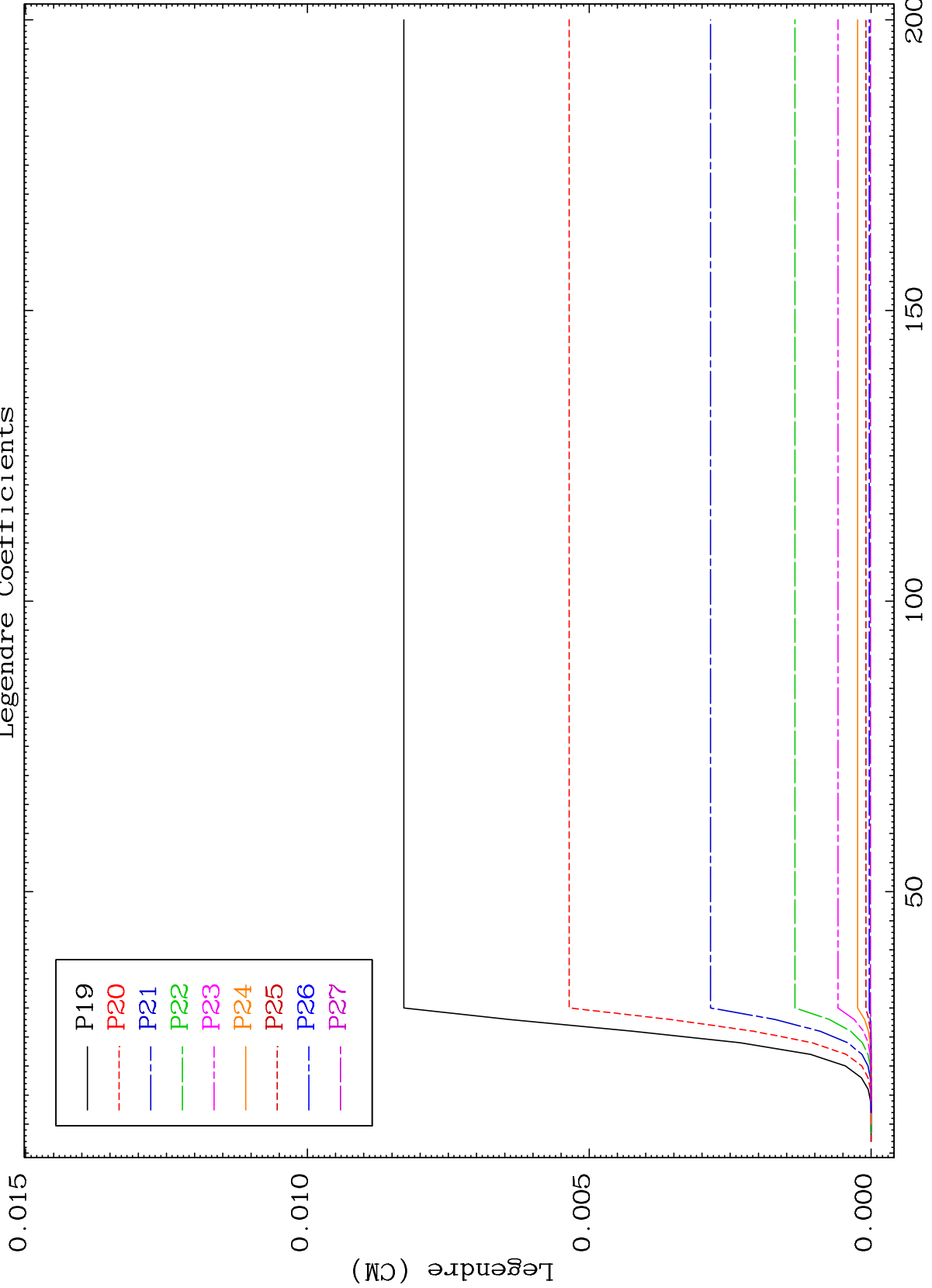


57

Incident Energy (MeV)

54-Xe-133

MAT 5452 MT= 60 (n,n') Level Legendre Coefficients 54-Xe-133



54-Xe-133

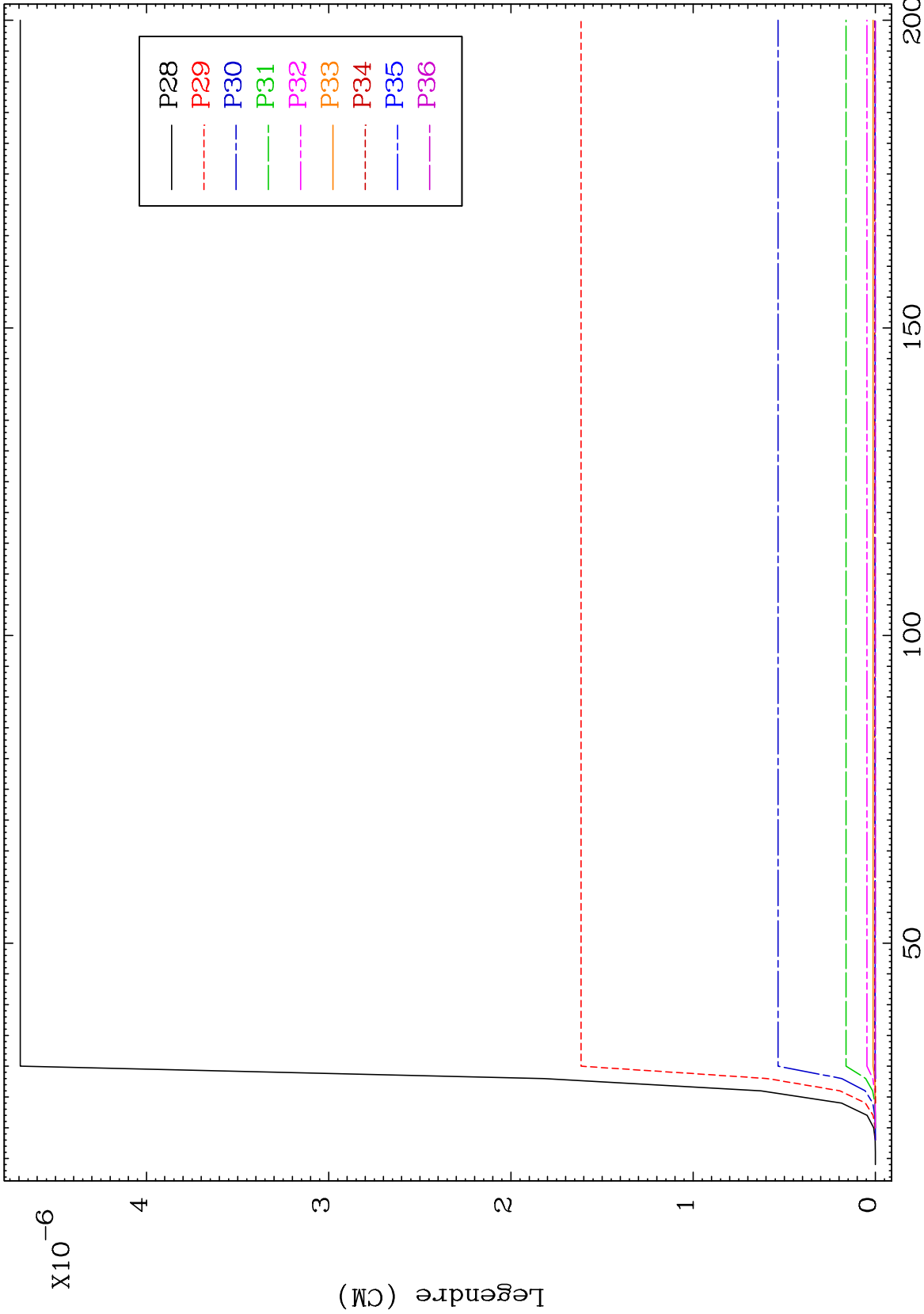
Incident Energy (MeV)

58

MAT 5452

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

54-Xe-133



59

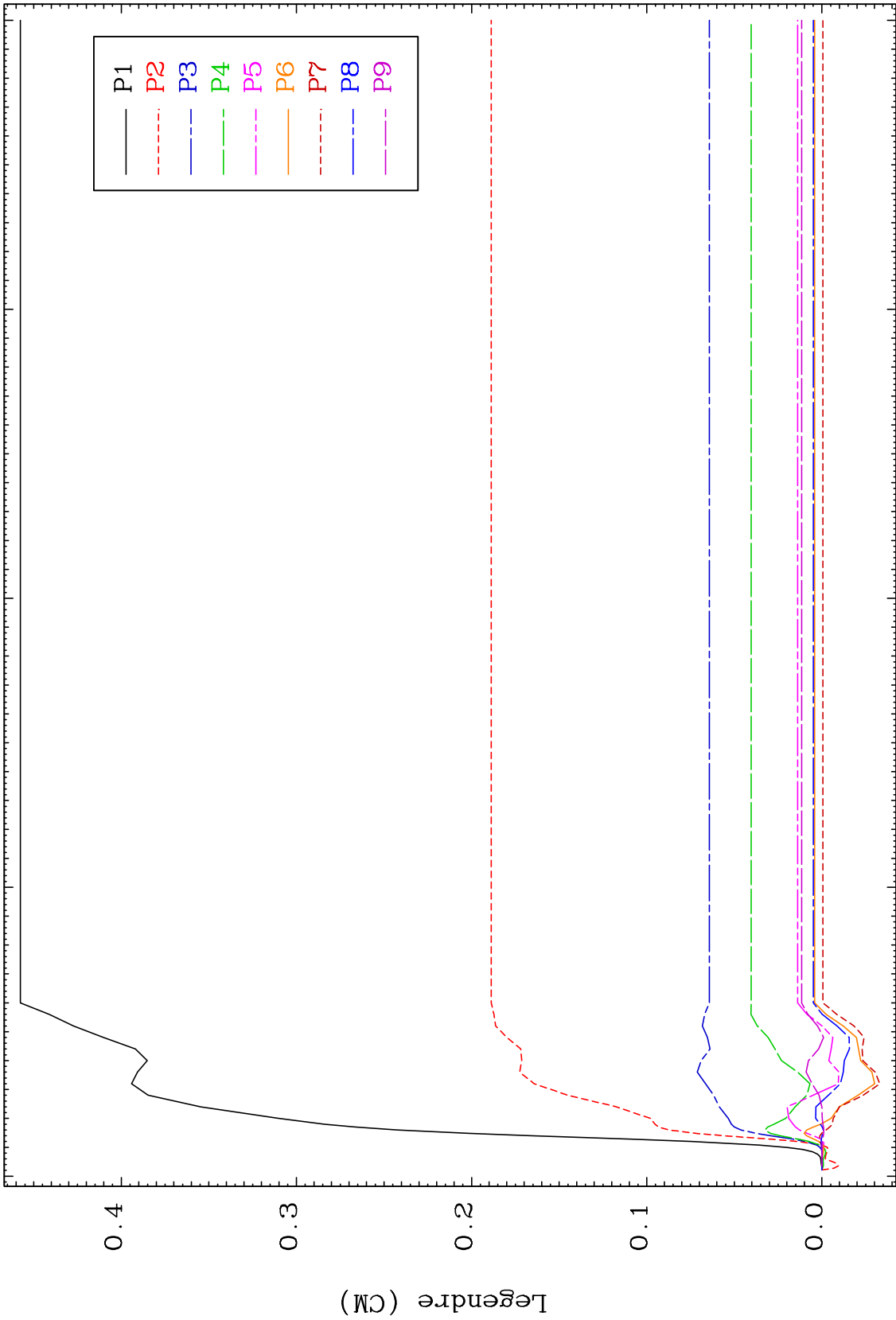
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

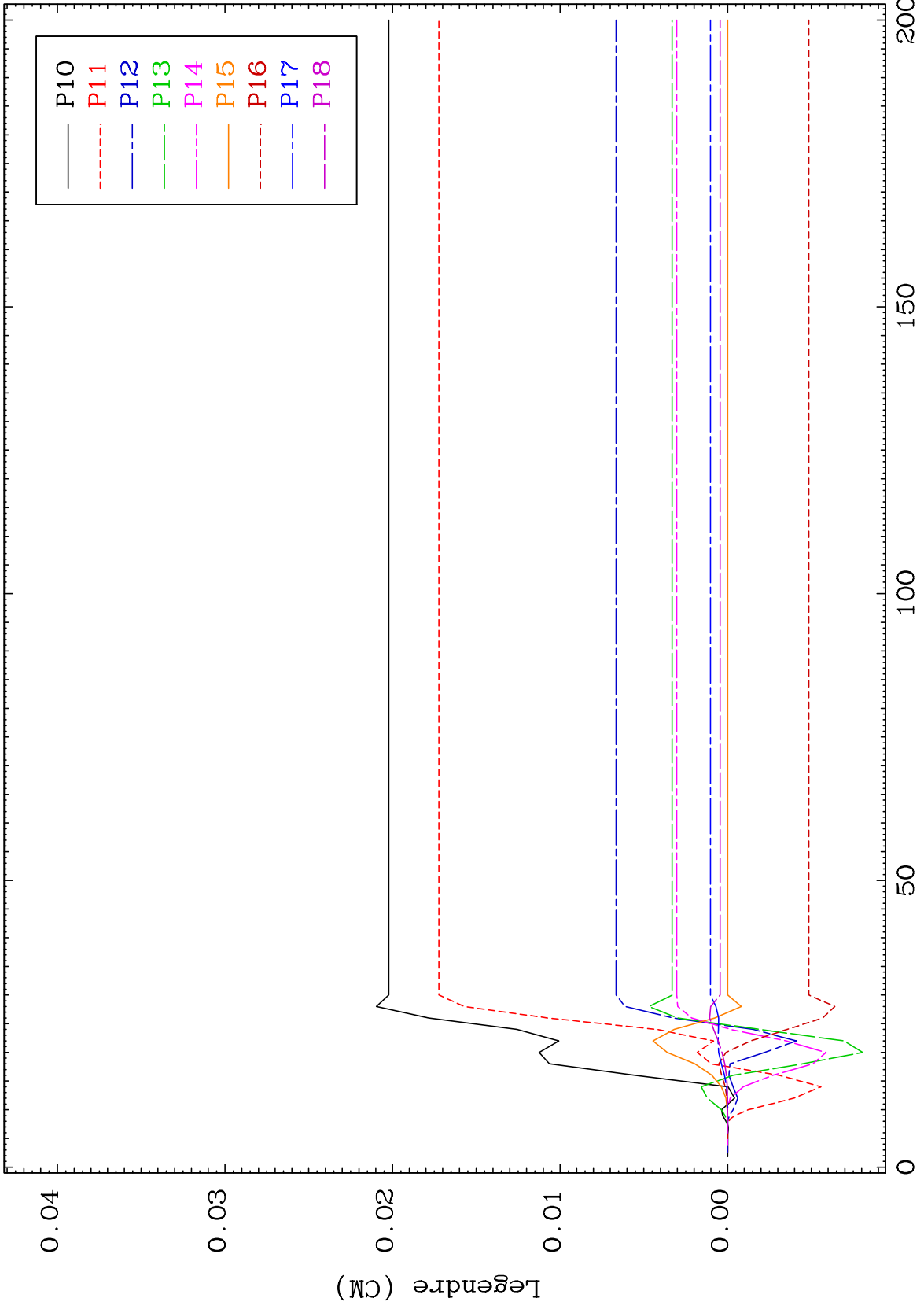
Incident Energy (MeV)

60

MAT 5452

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

54-Xe-133



61

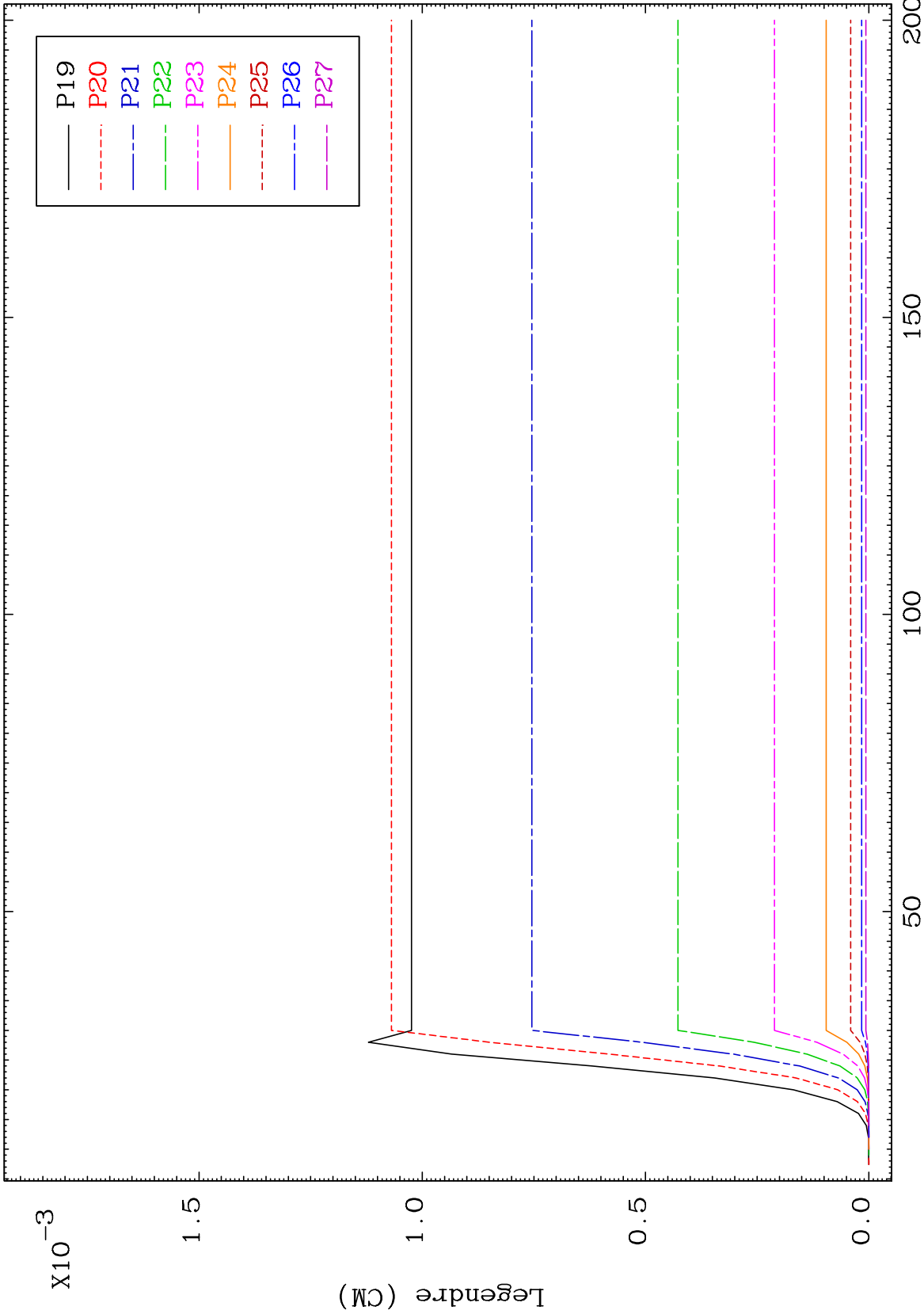
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



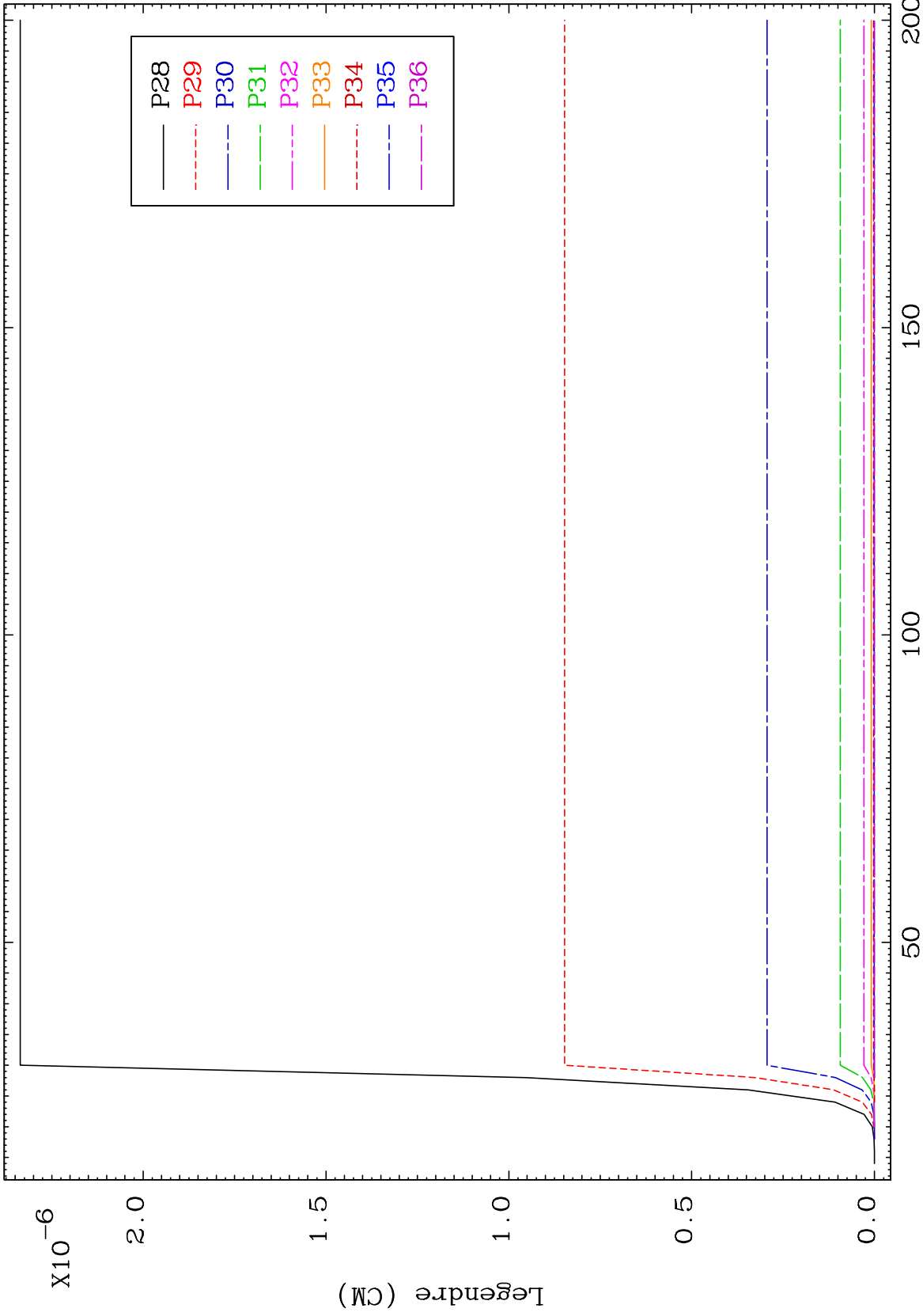
62

54-Xe-133

MAT 5452

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

54-Xe-133



63

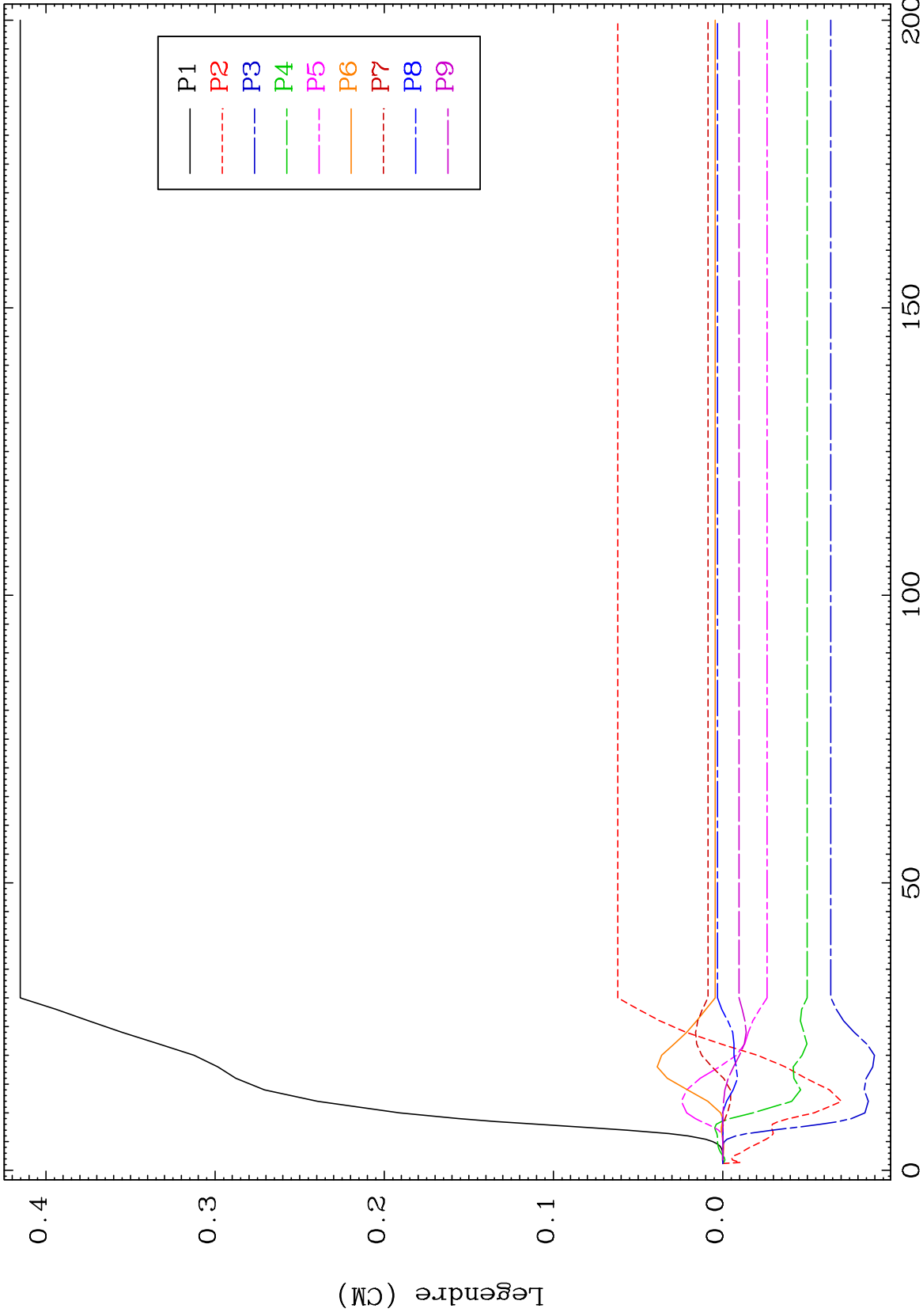
54-Xe-133



MAT 5452

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

54-Xe-133



64

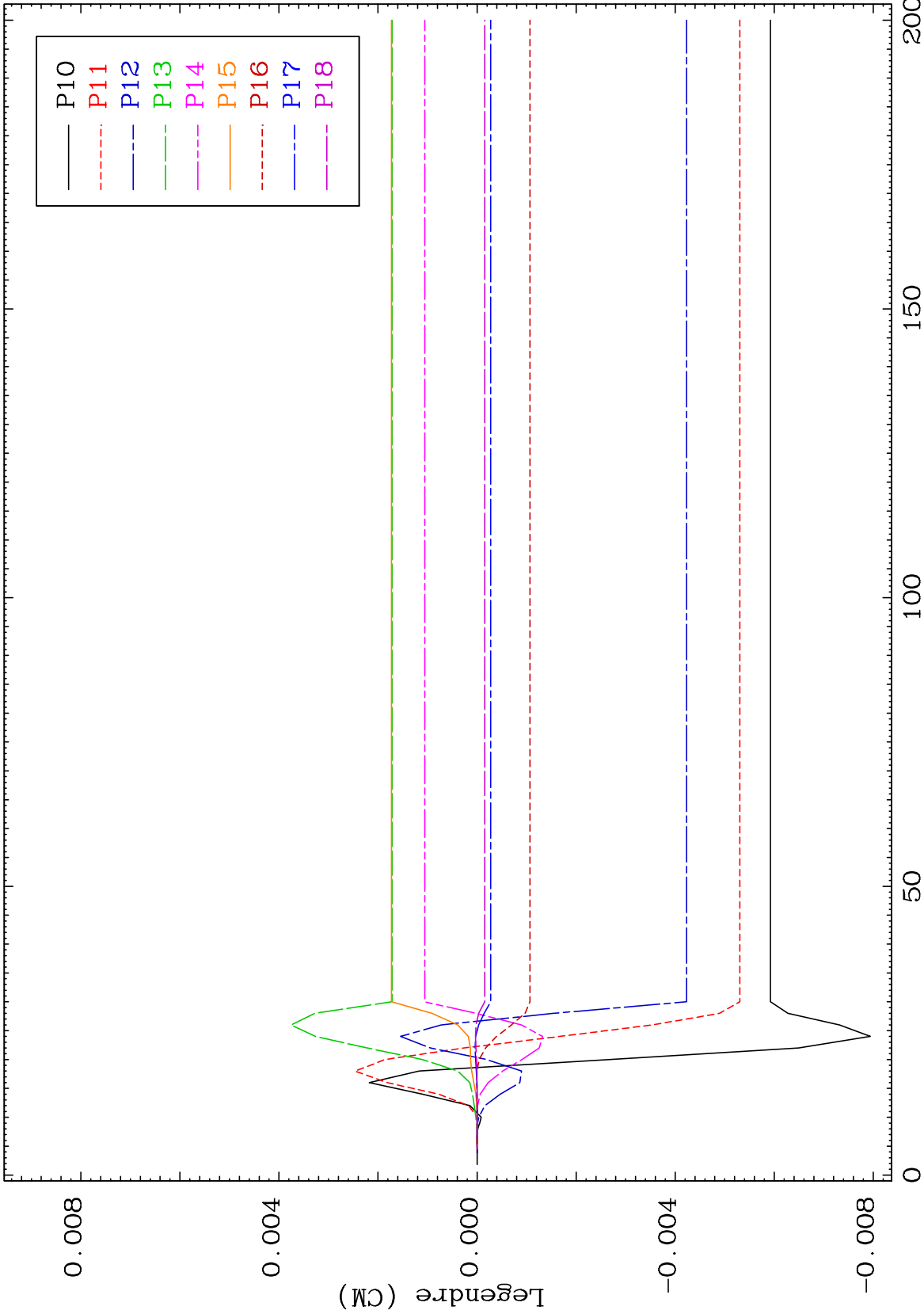
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



65

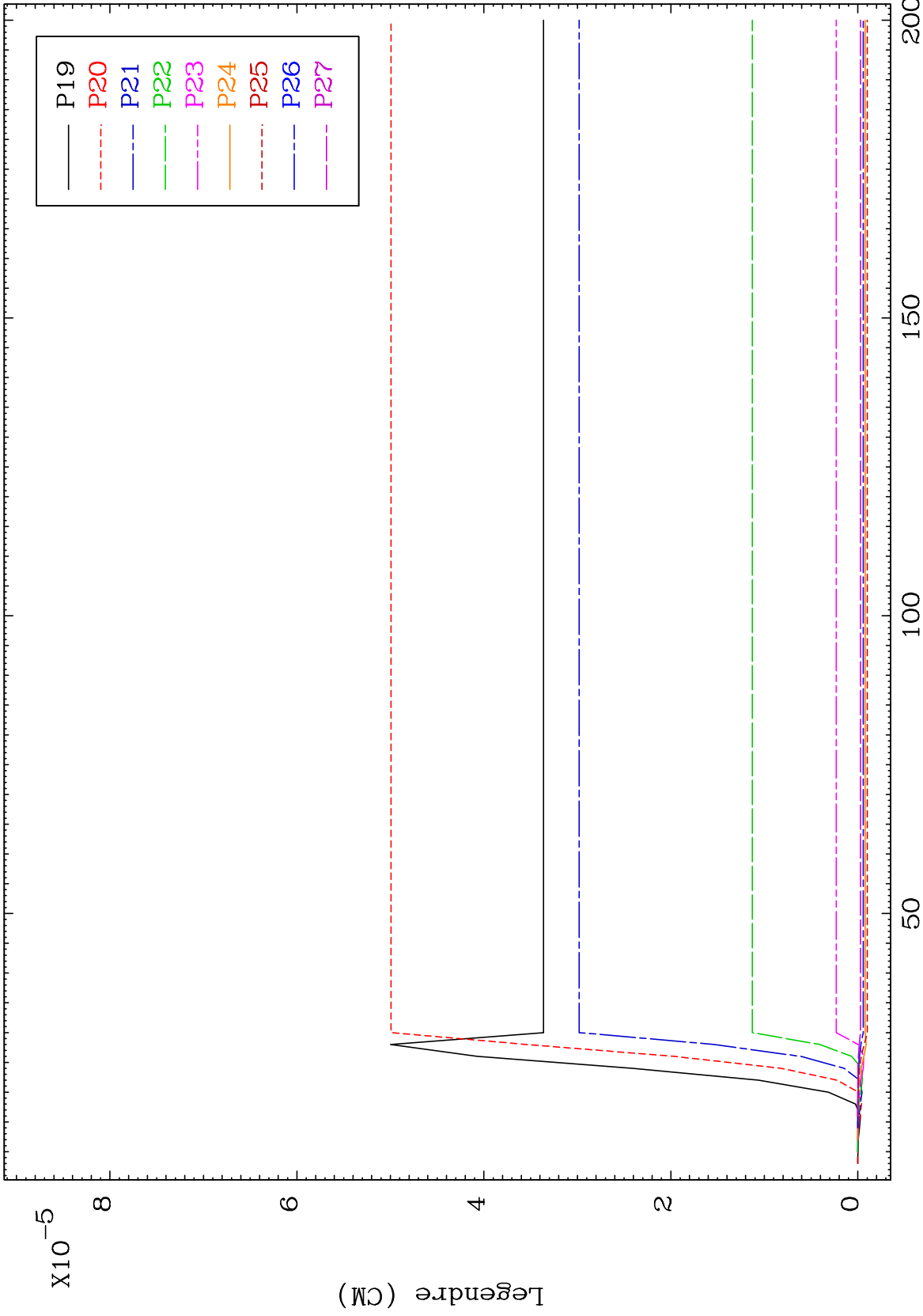
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



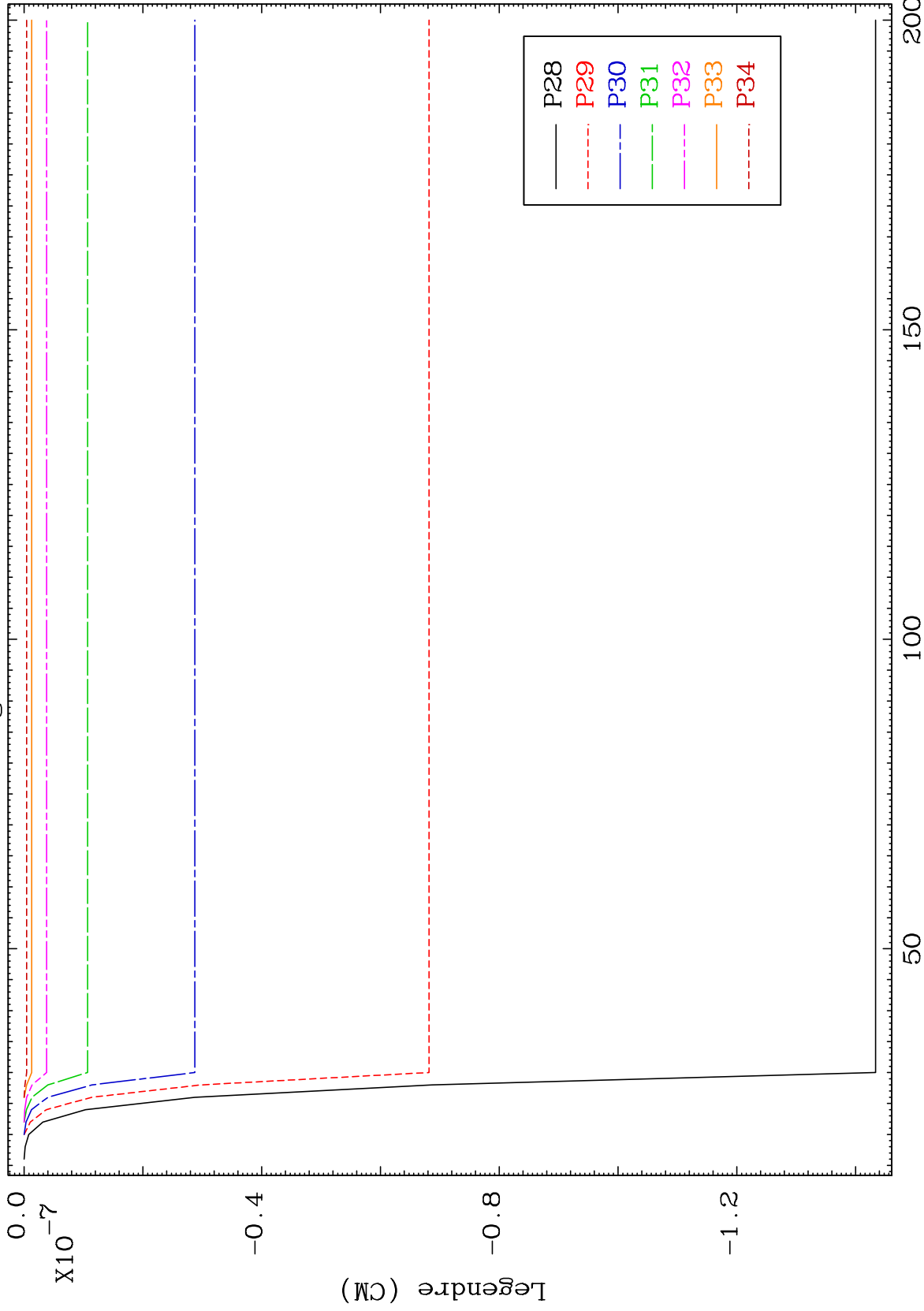
66

54-Xe-133

MAT 5452

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

54-Xe-133



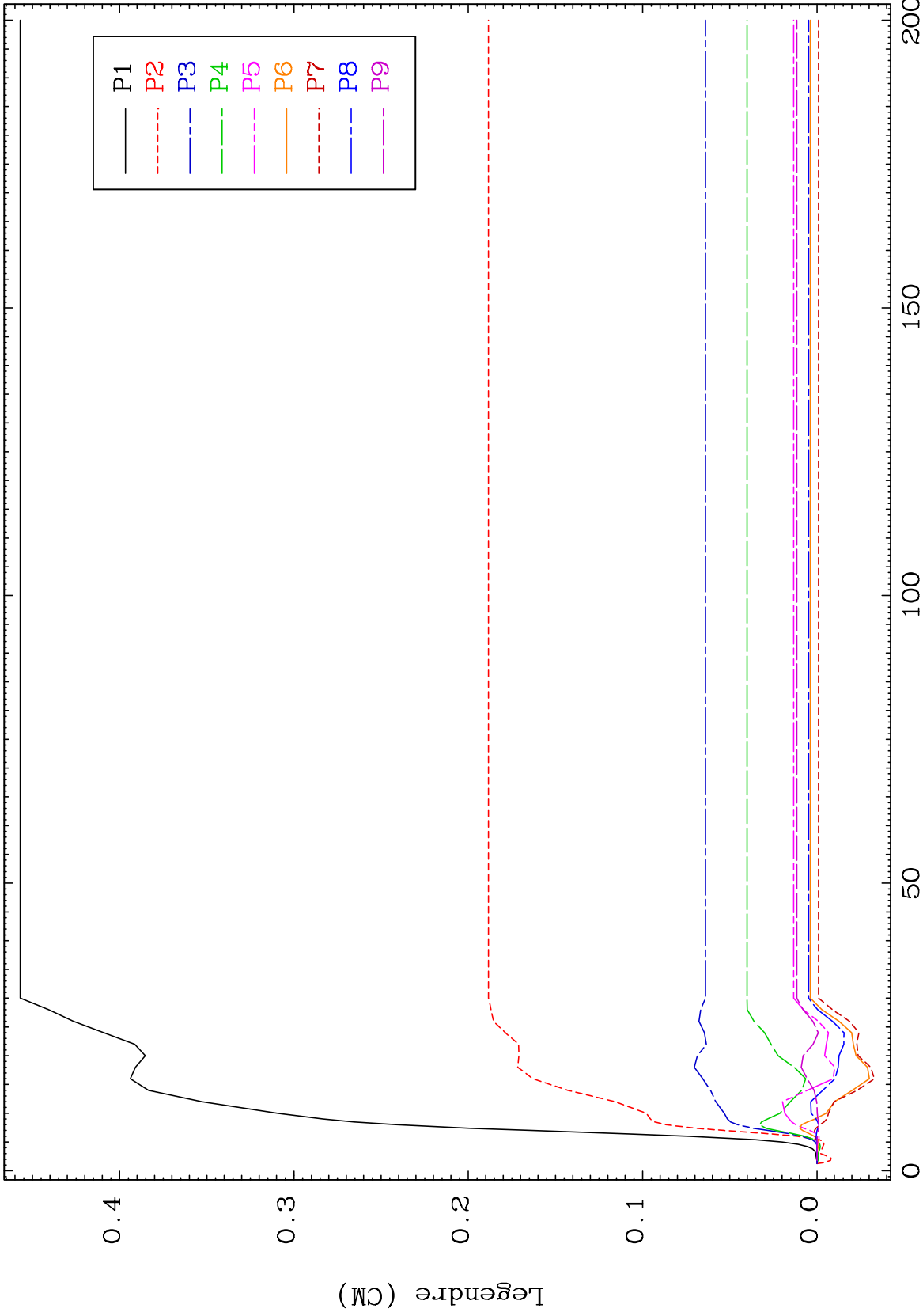
67

54-Xe-133

MAT 5452

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

54-Xe-133



68

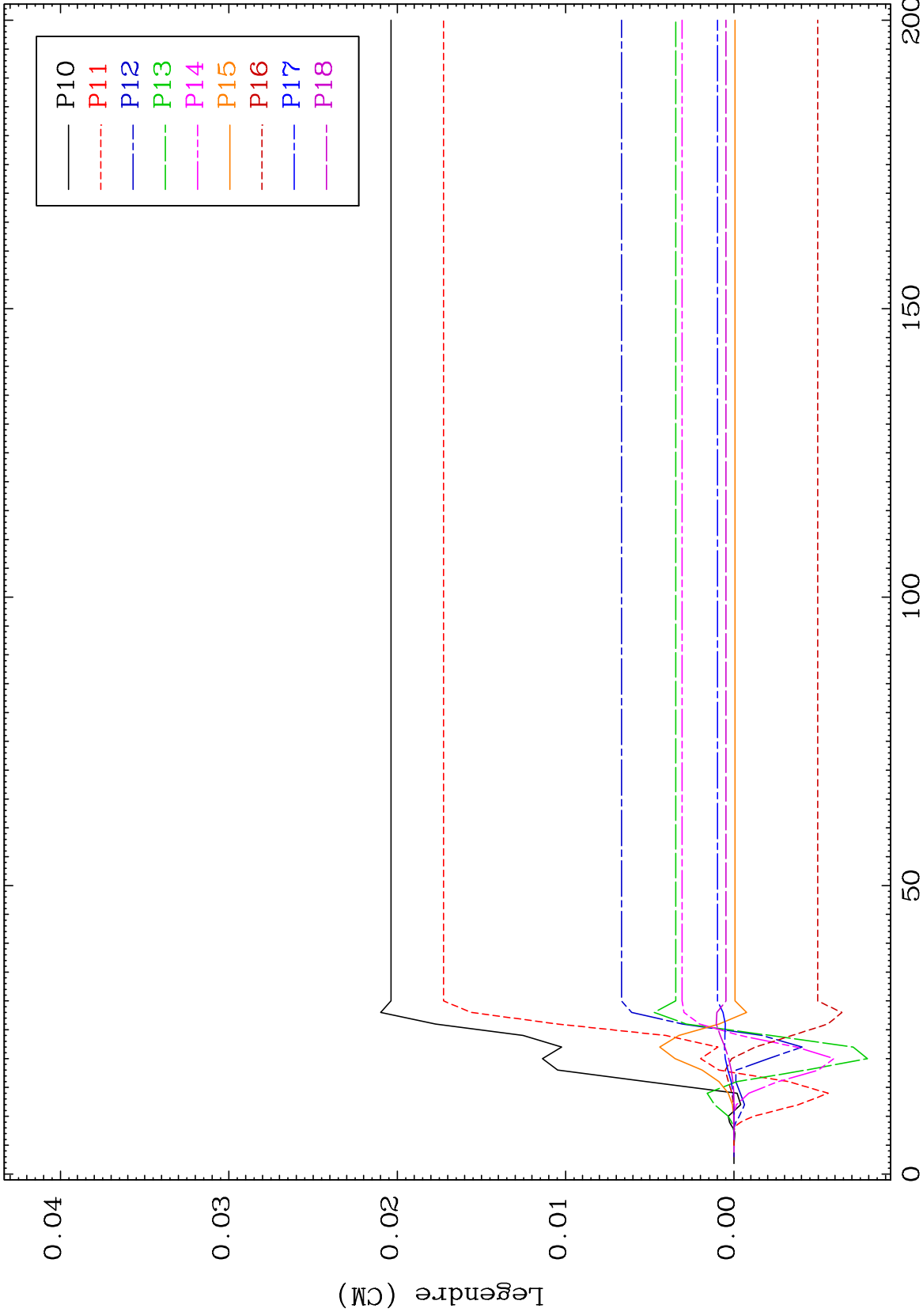
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



69

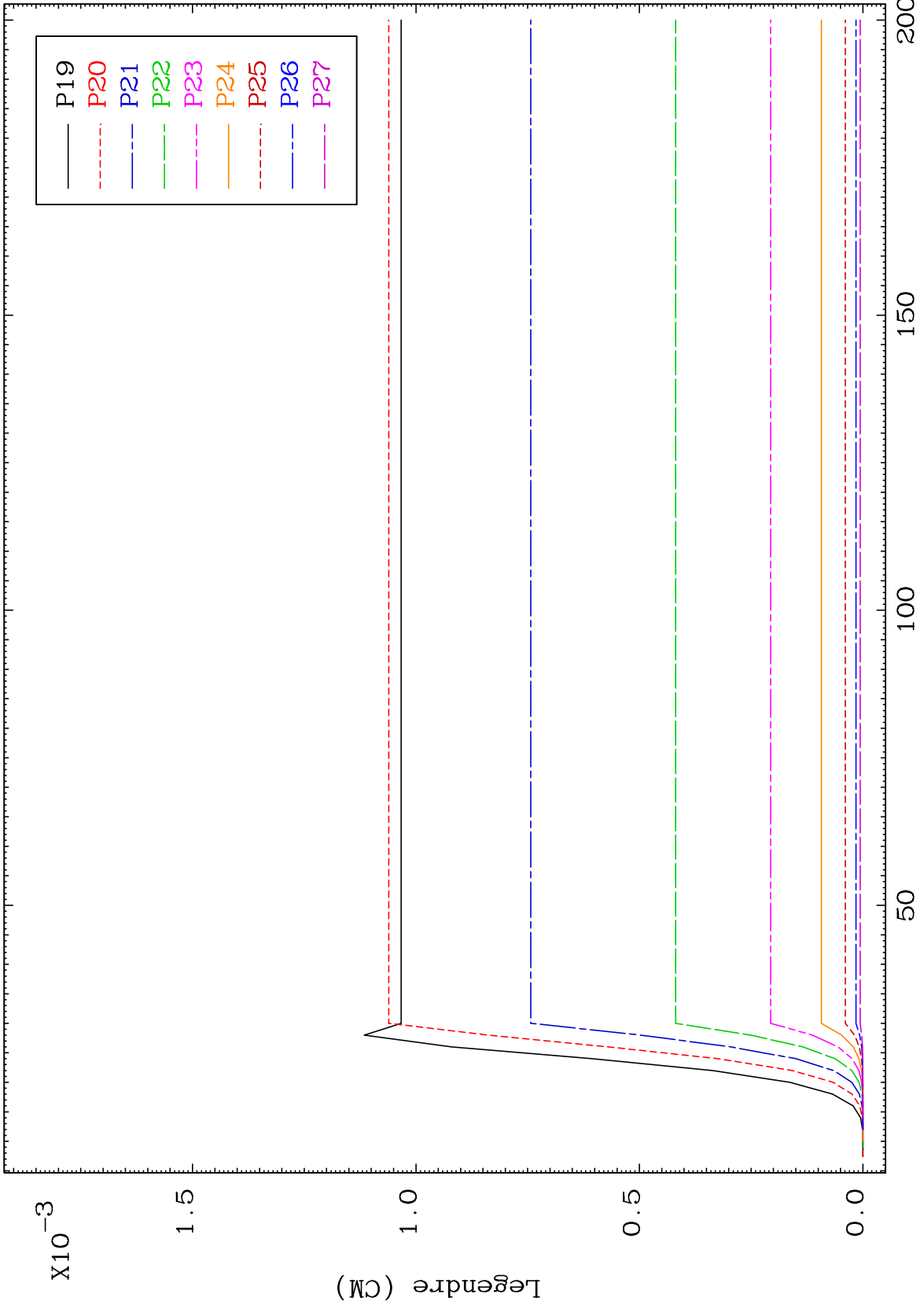
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



70

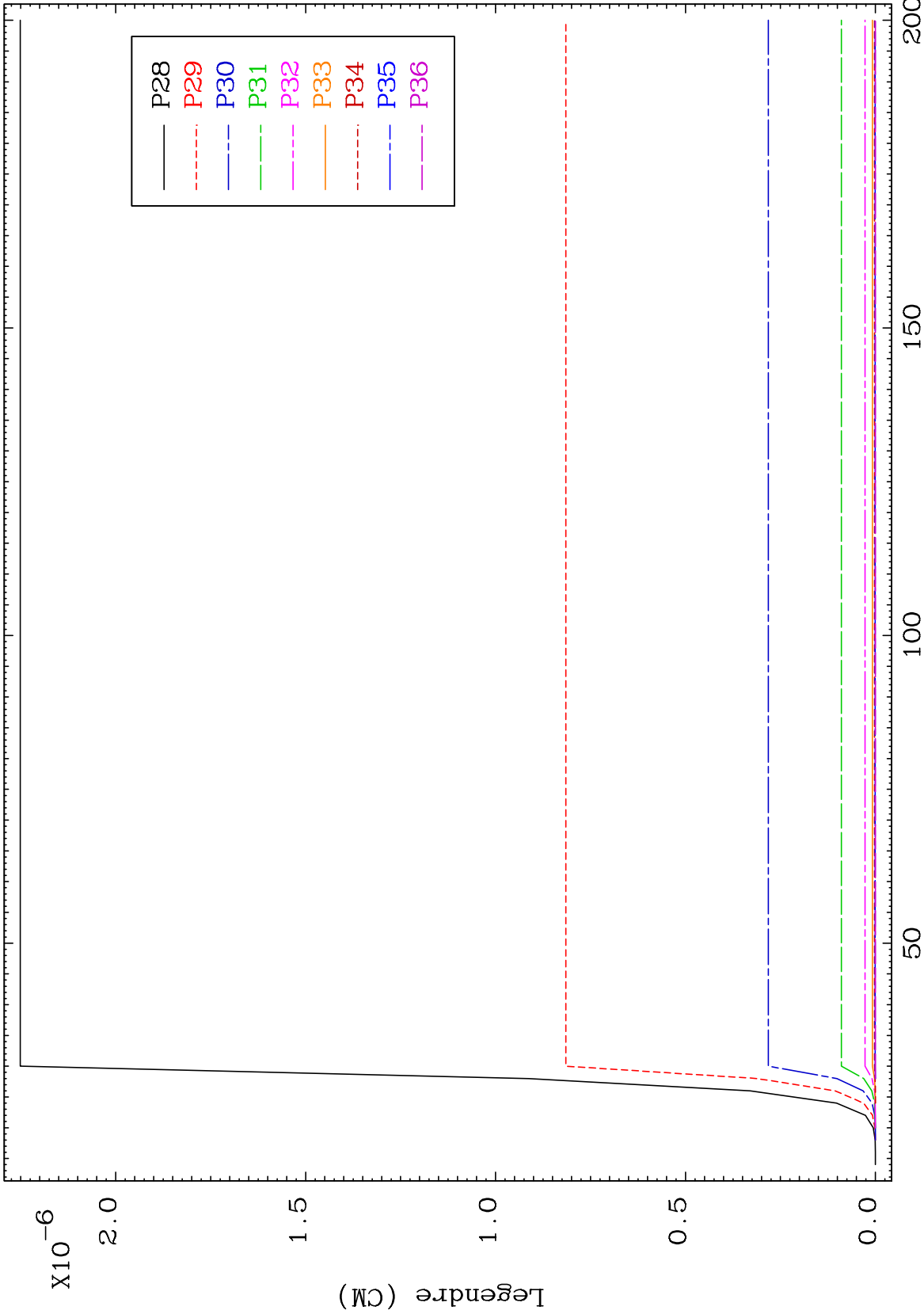
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

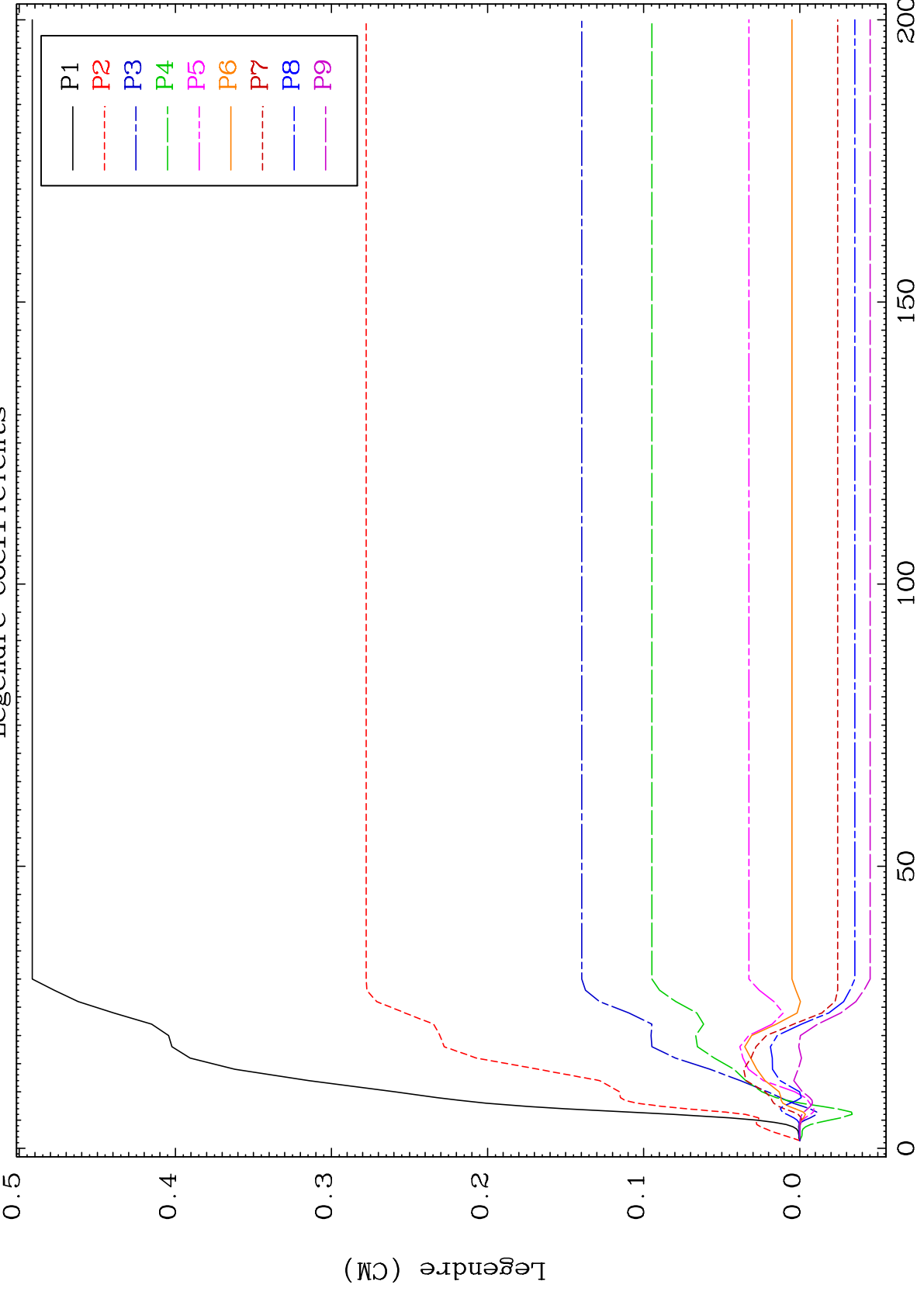


71

54-Xe-133



MAT 5452 MT= 64 (n,n') Level Legendre Coefficients 54-Xe-133

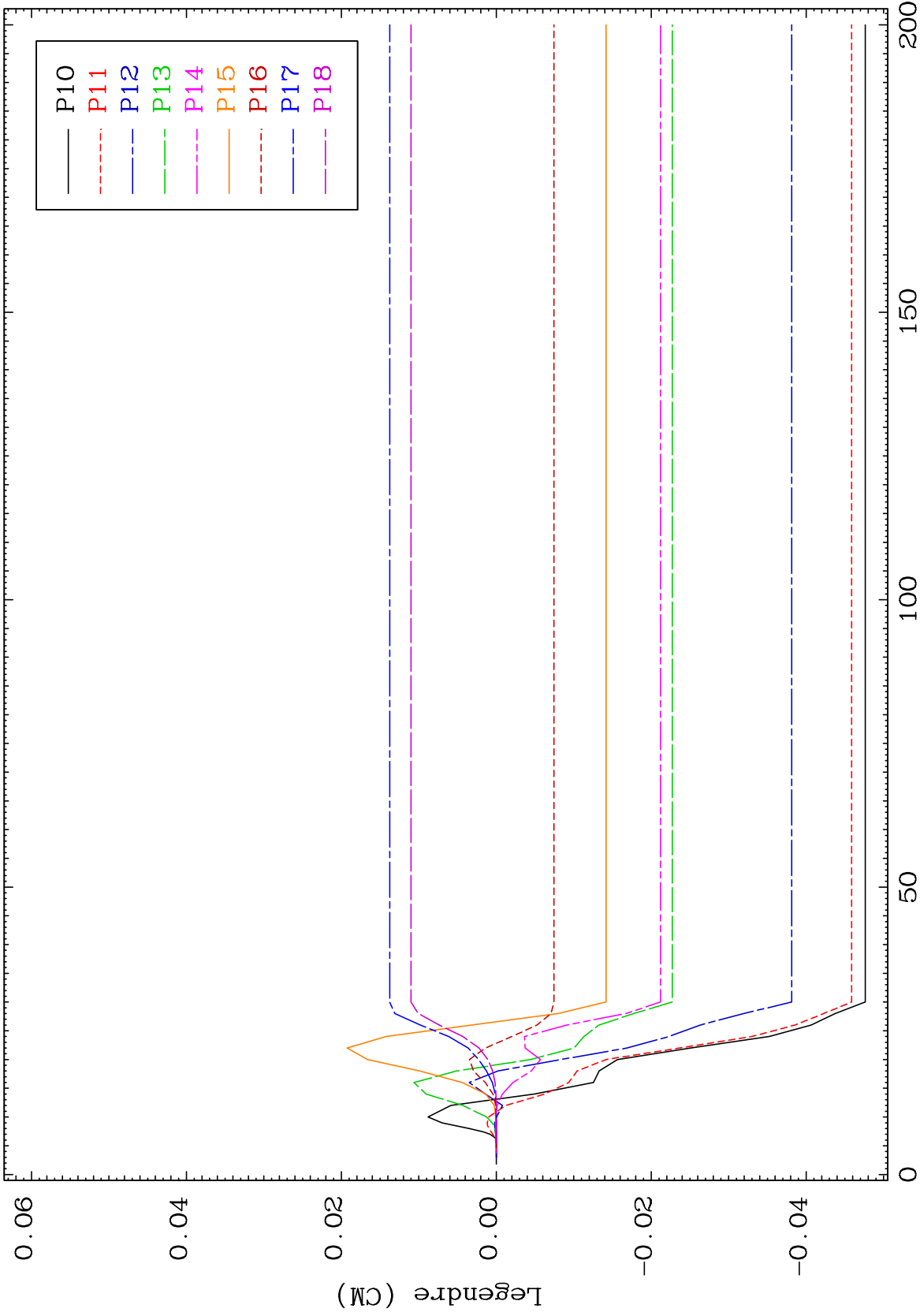


72 54-Xe-133

MAT 5452

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

54-Xe-133



73

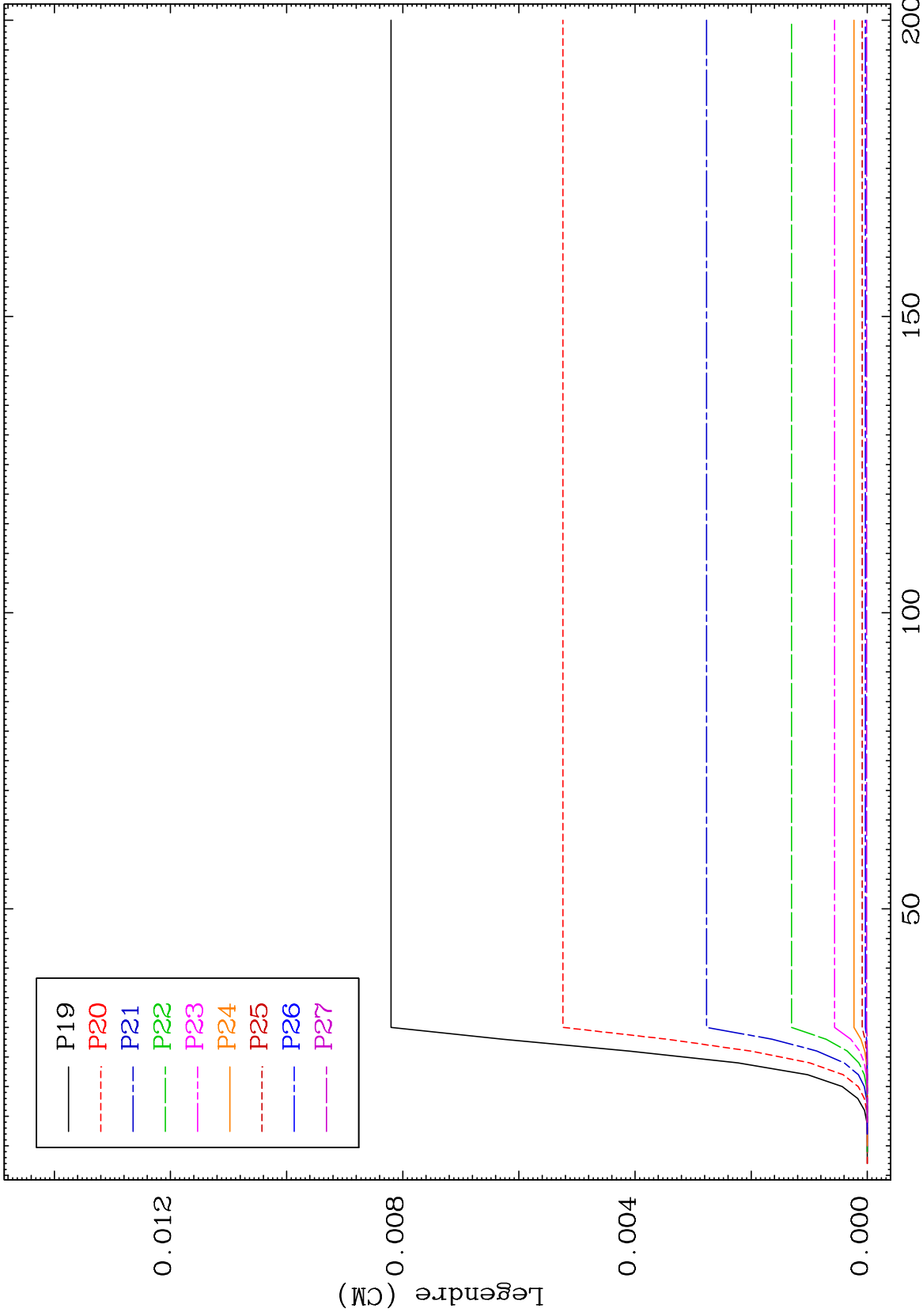
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



74

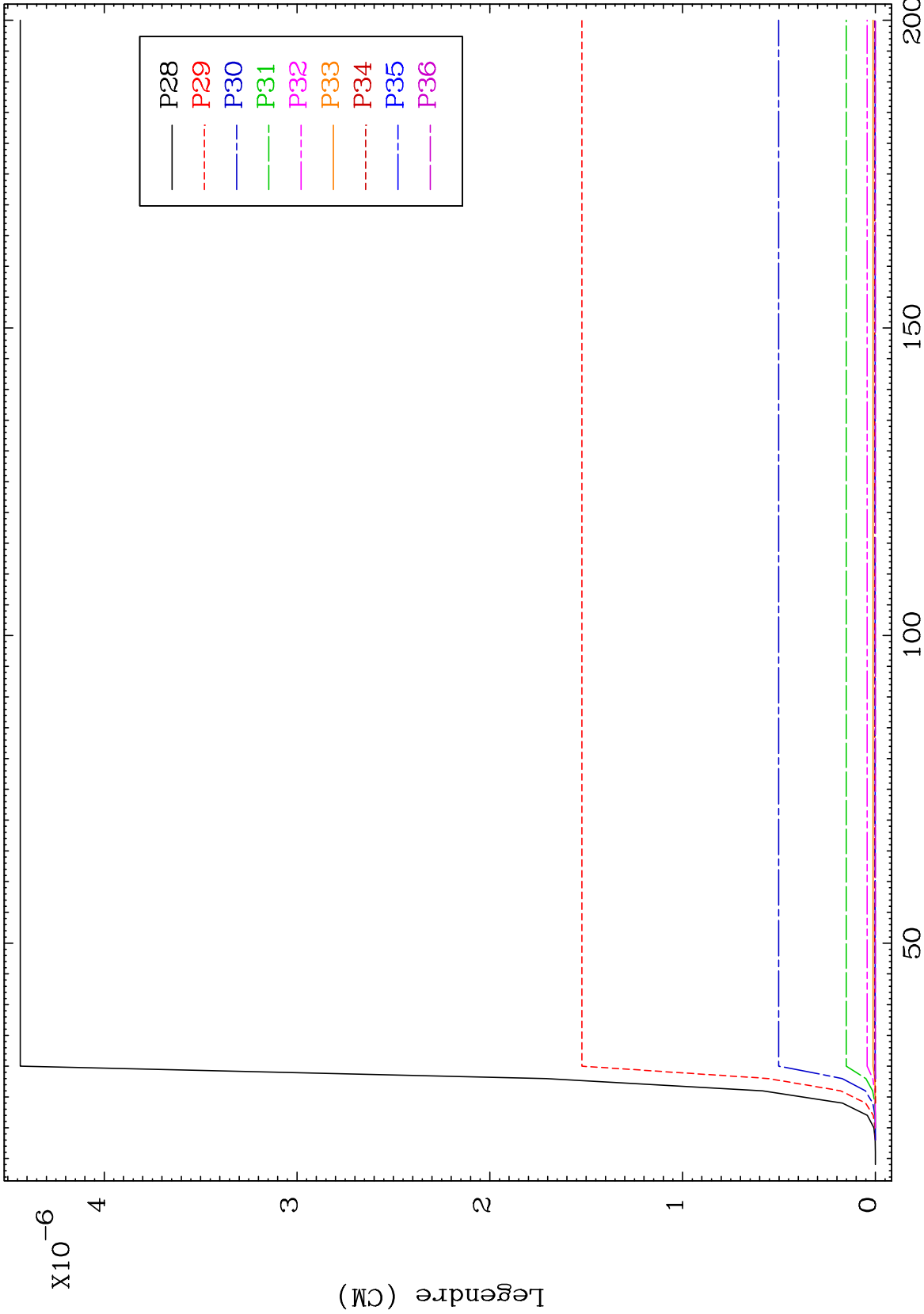
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

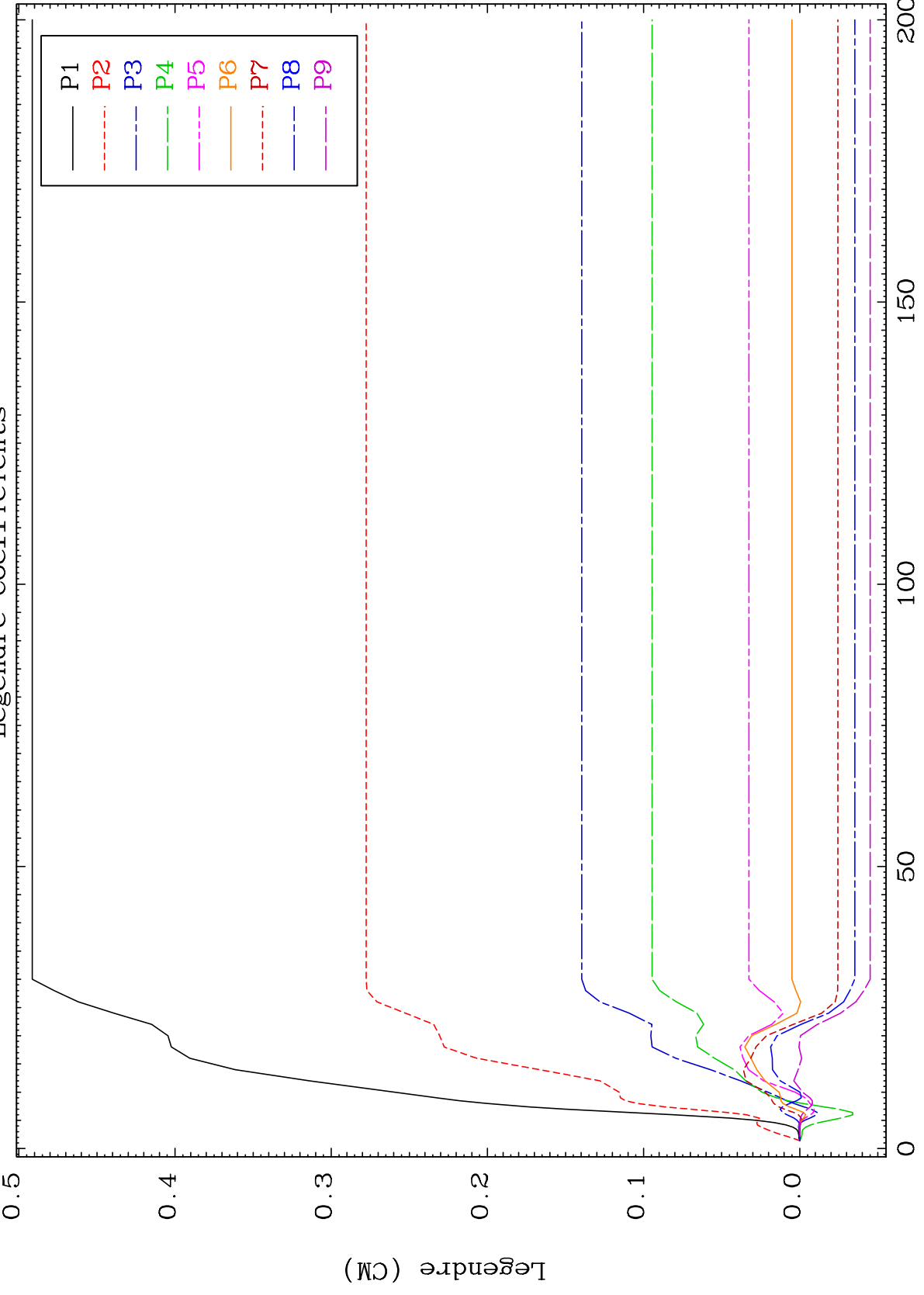


75

Incident Energy (MeV)

54-Xe-133

MAT 5452 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-133

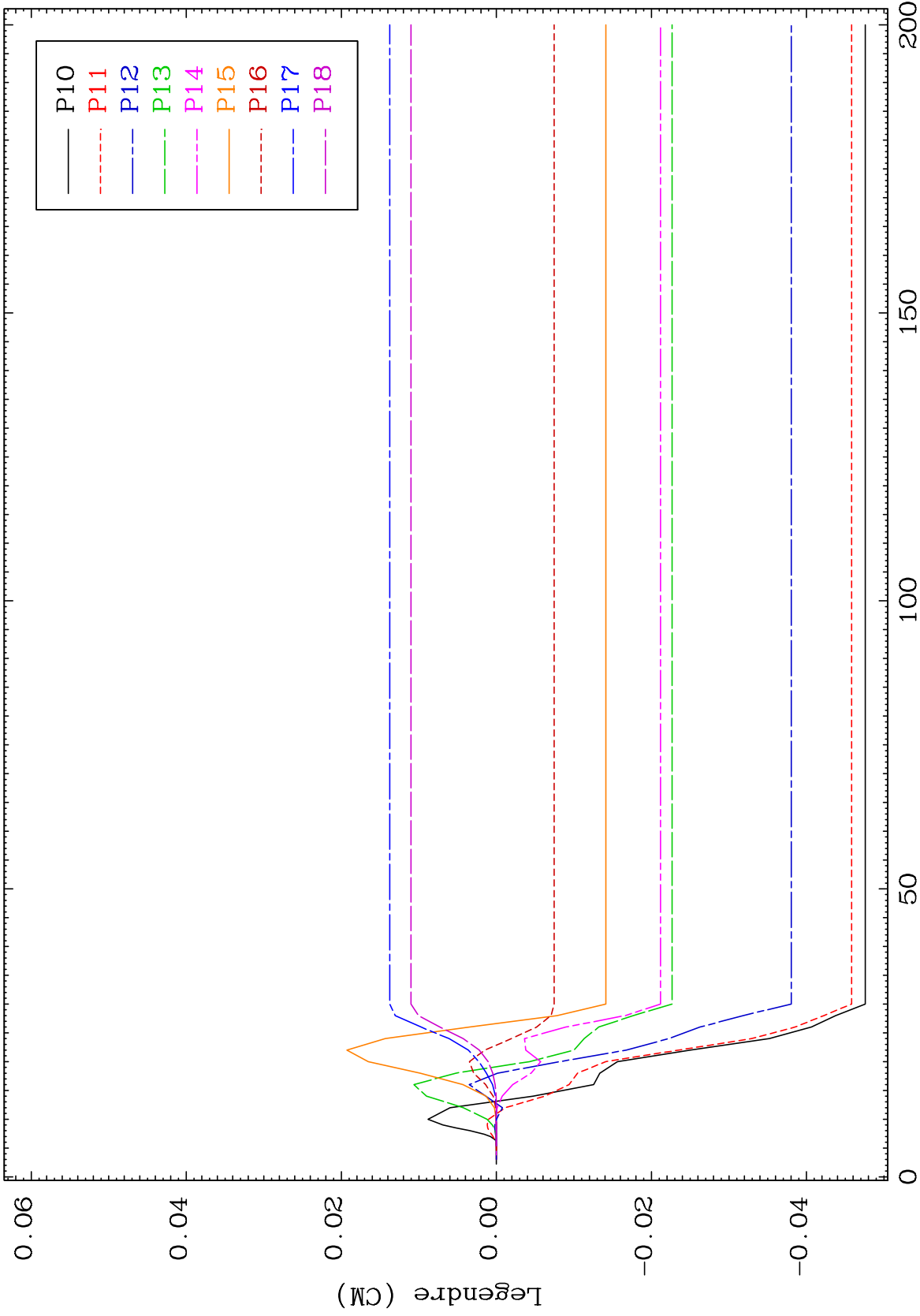


76 54-Xe-133

MAT 5452

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

54-Xe-133



77

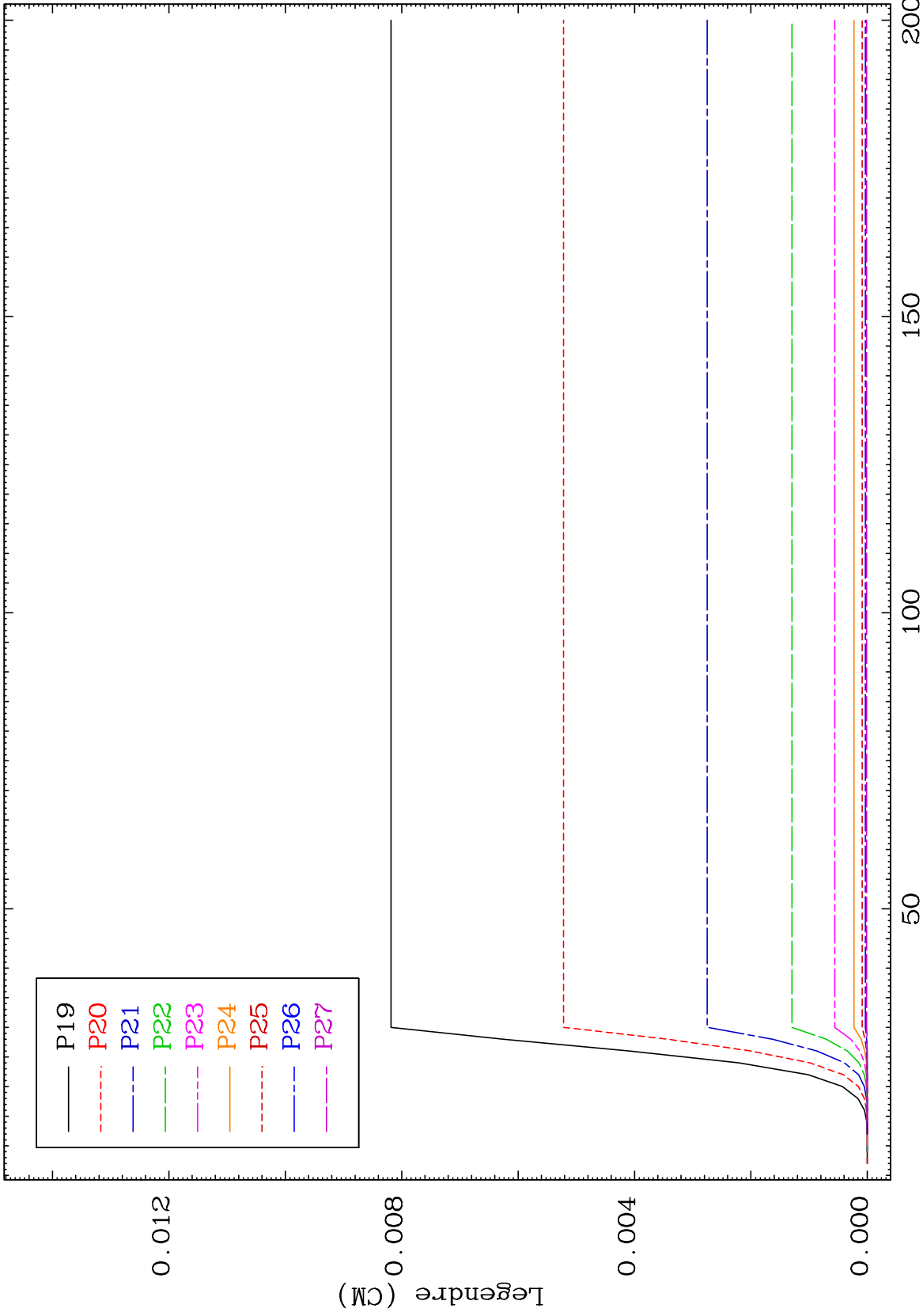
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



78

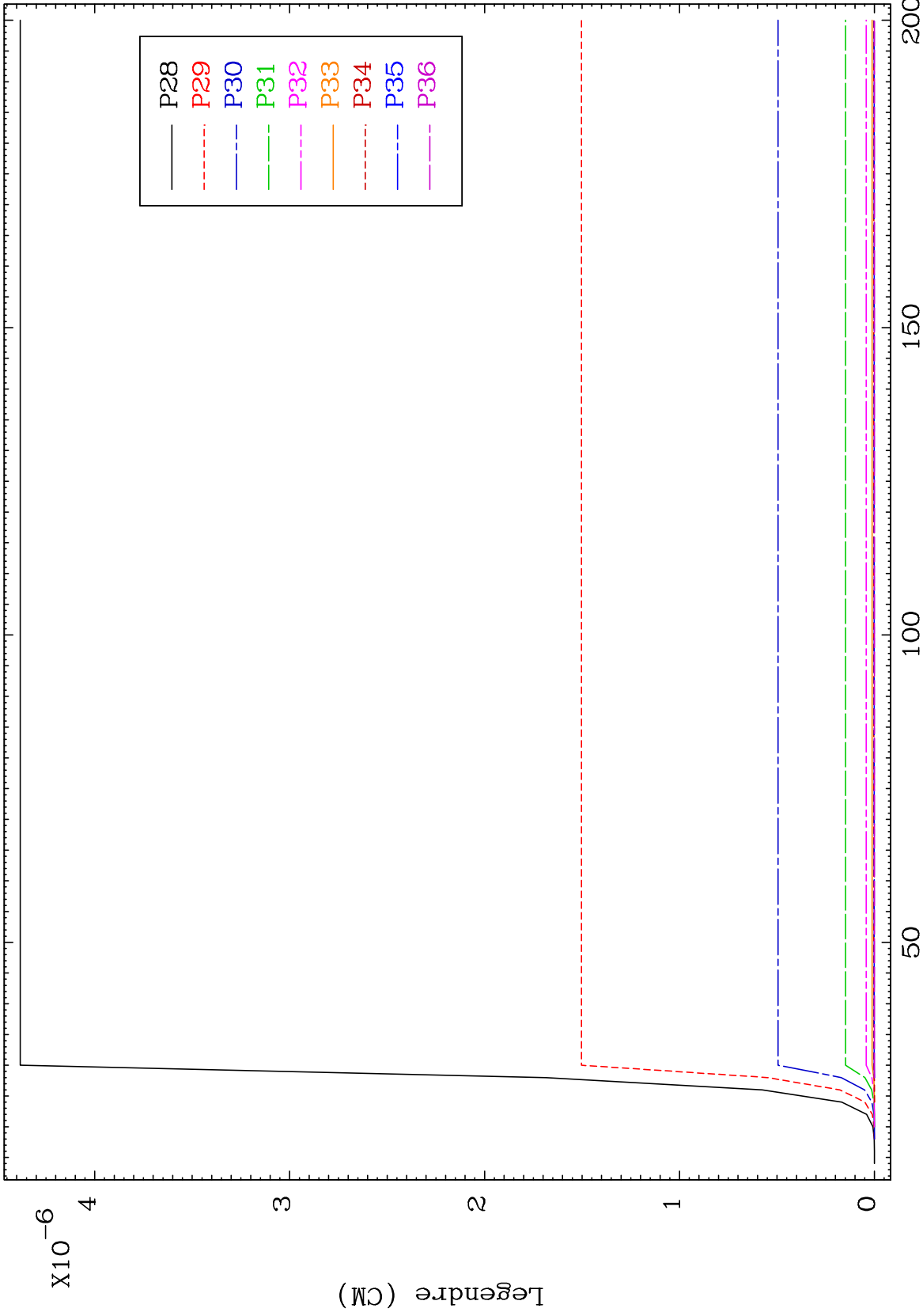
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

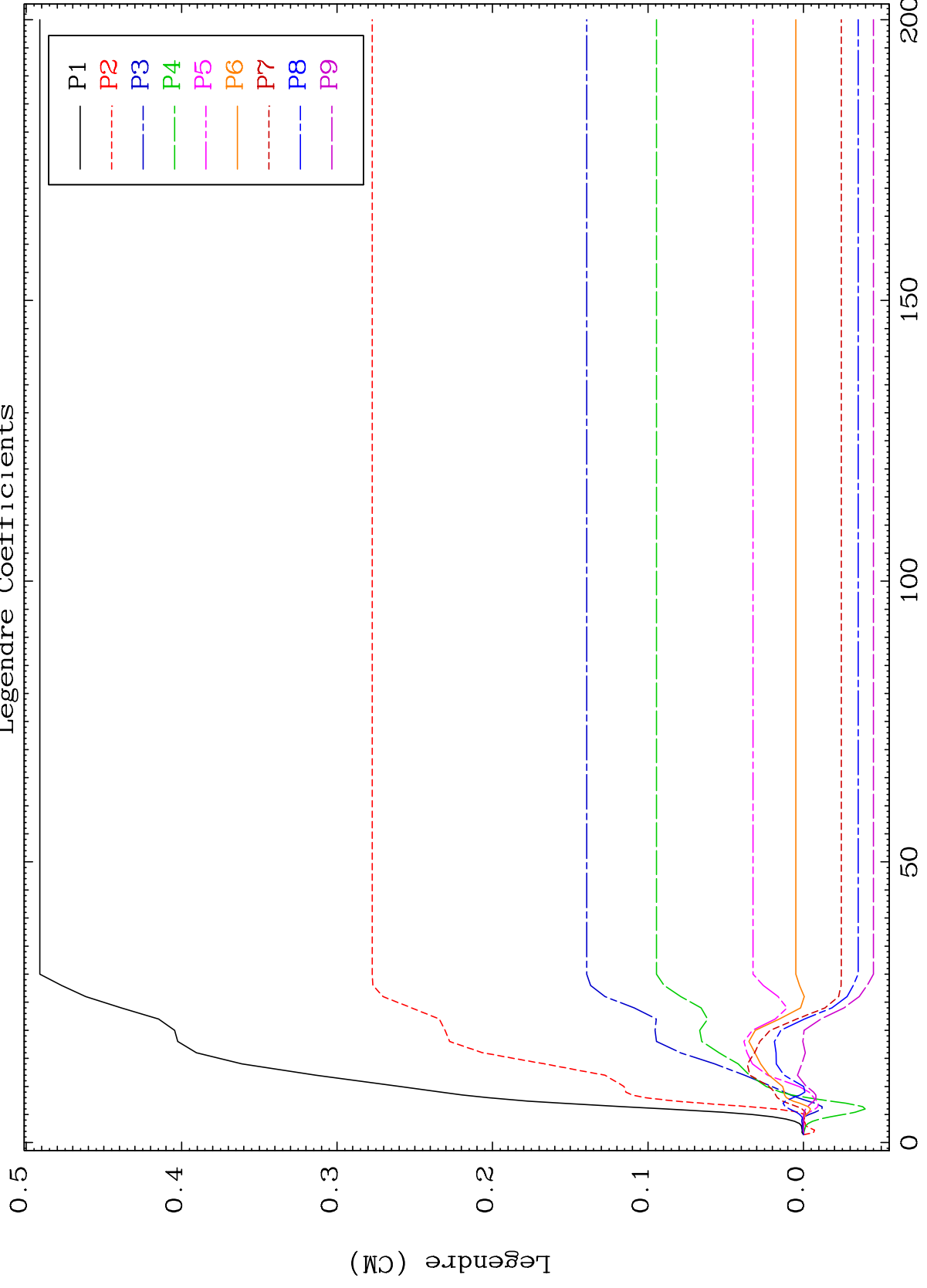


79

54-Xe-133



MAT 5452 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-133

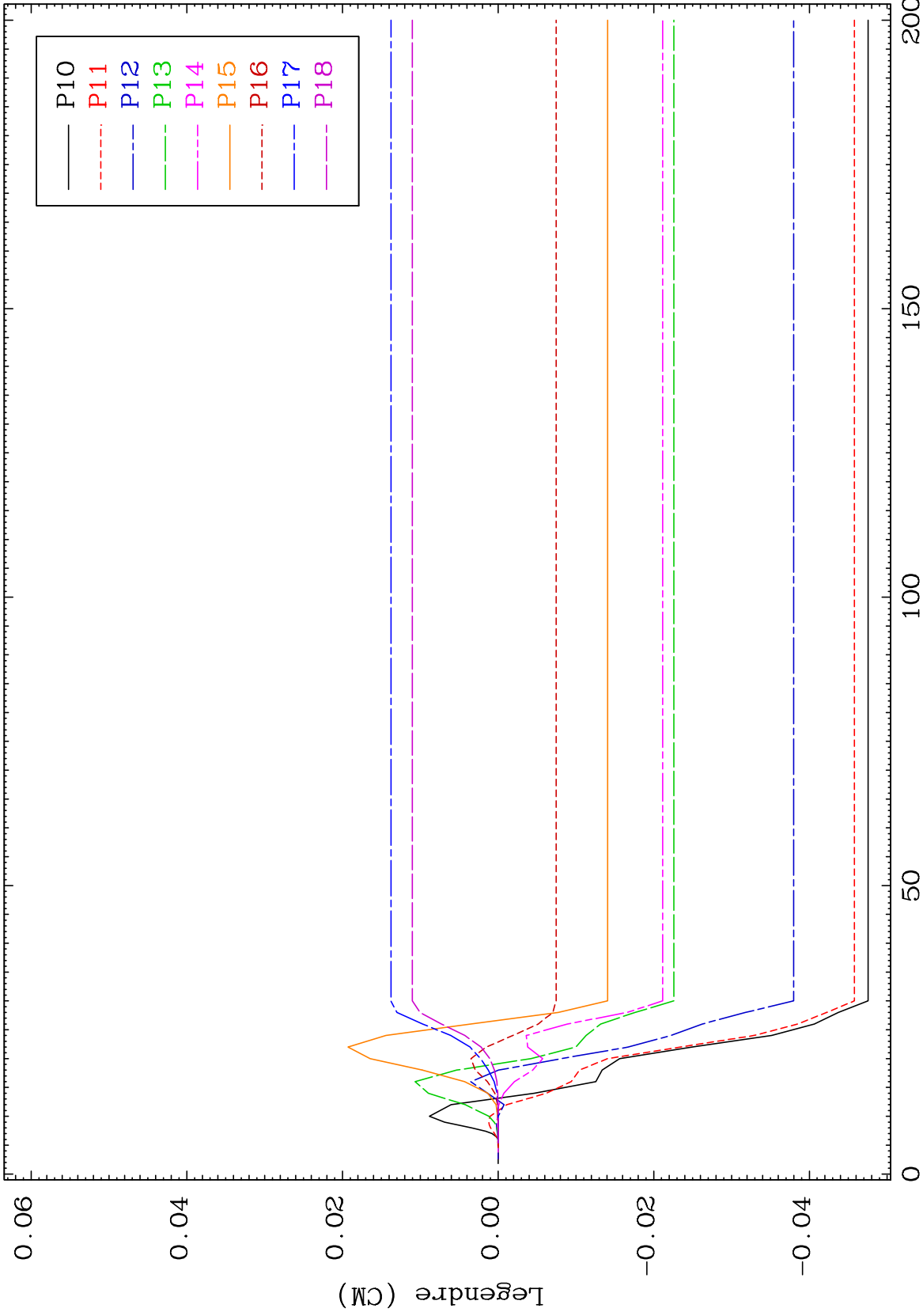


54-Xe-133

MAT 5452

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

54-Xe-133



81

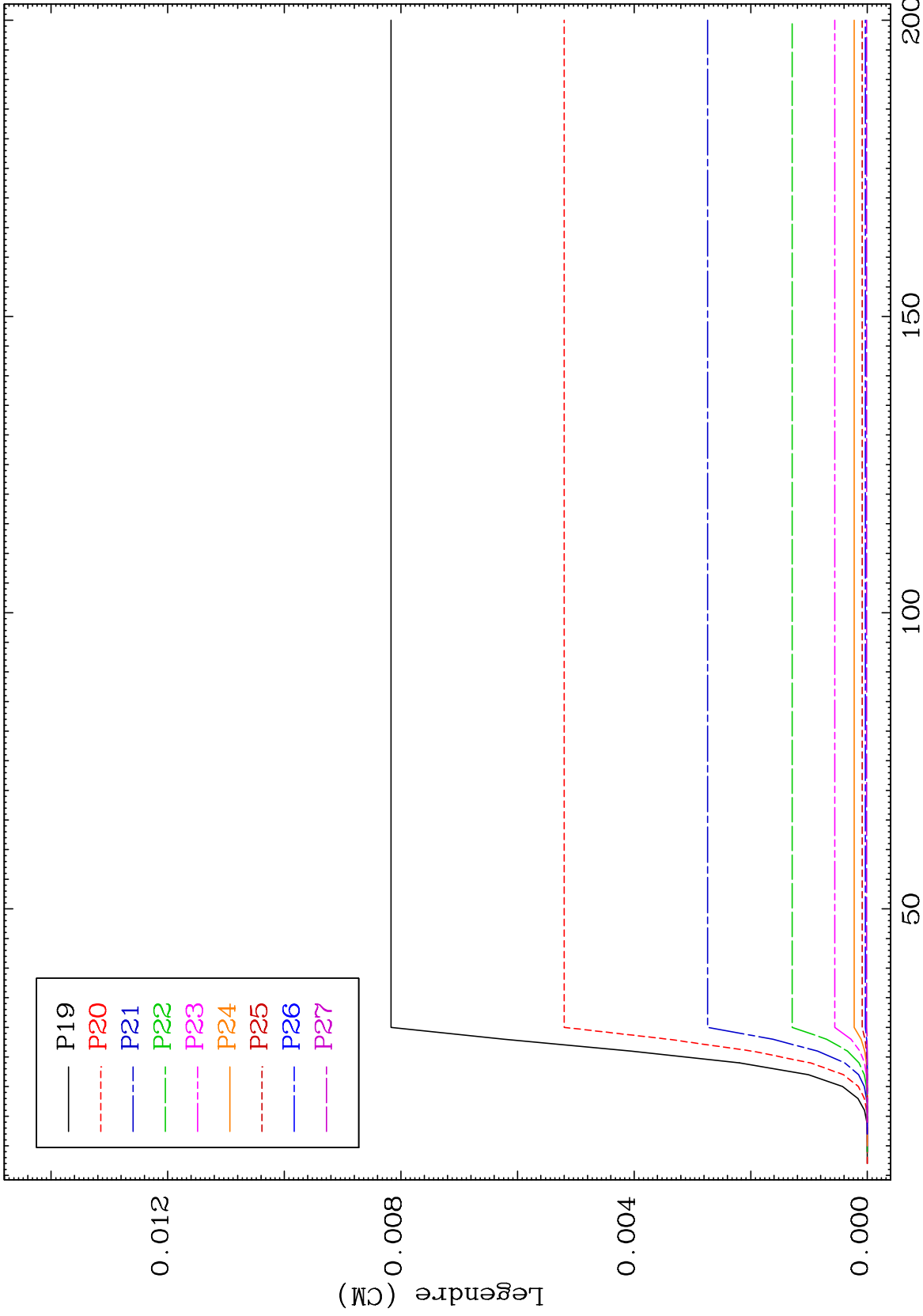
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



82

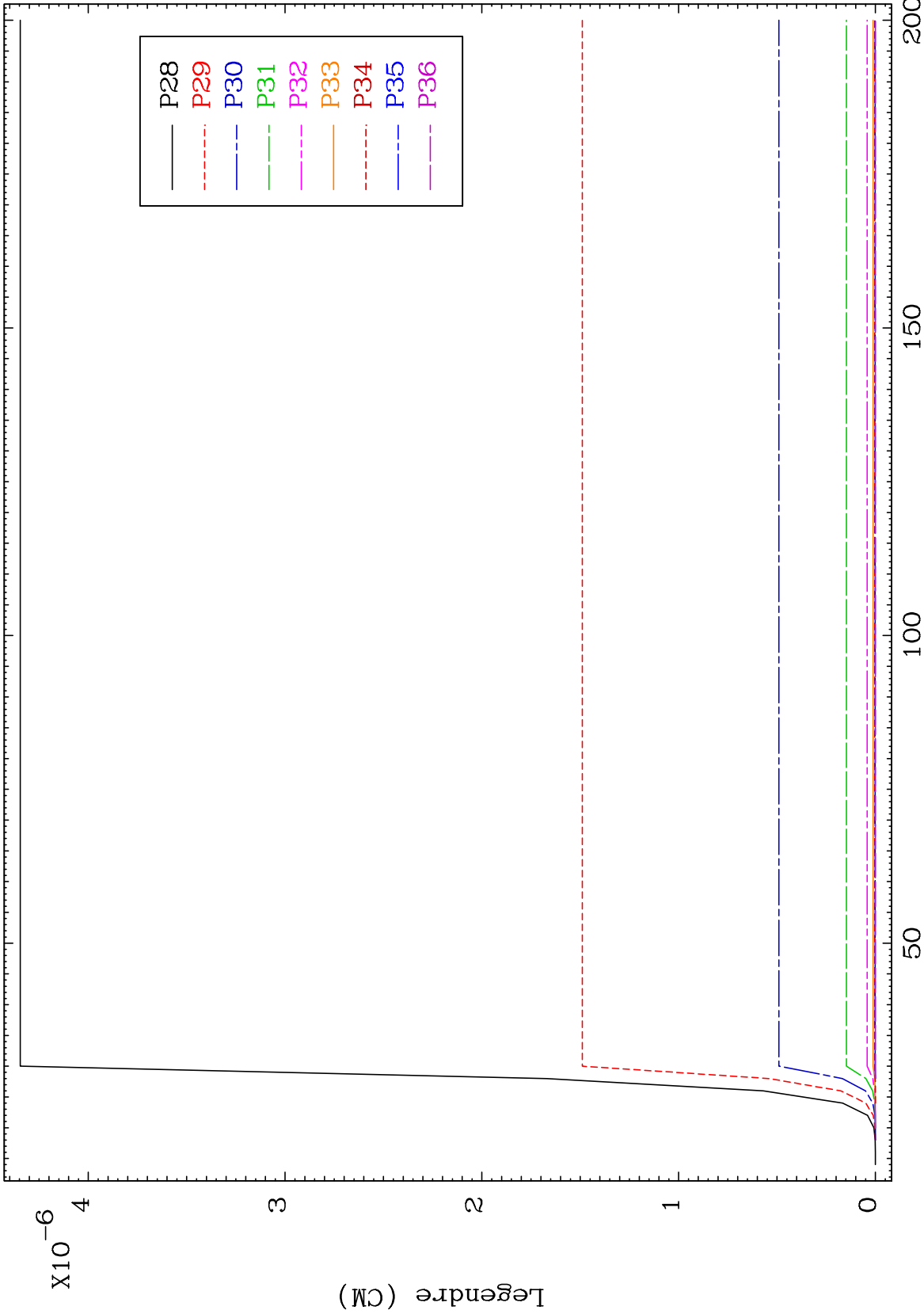
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



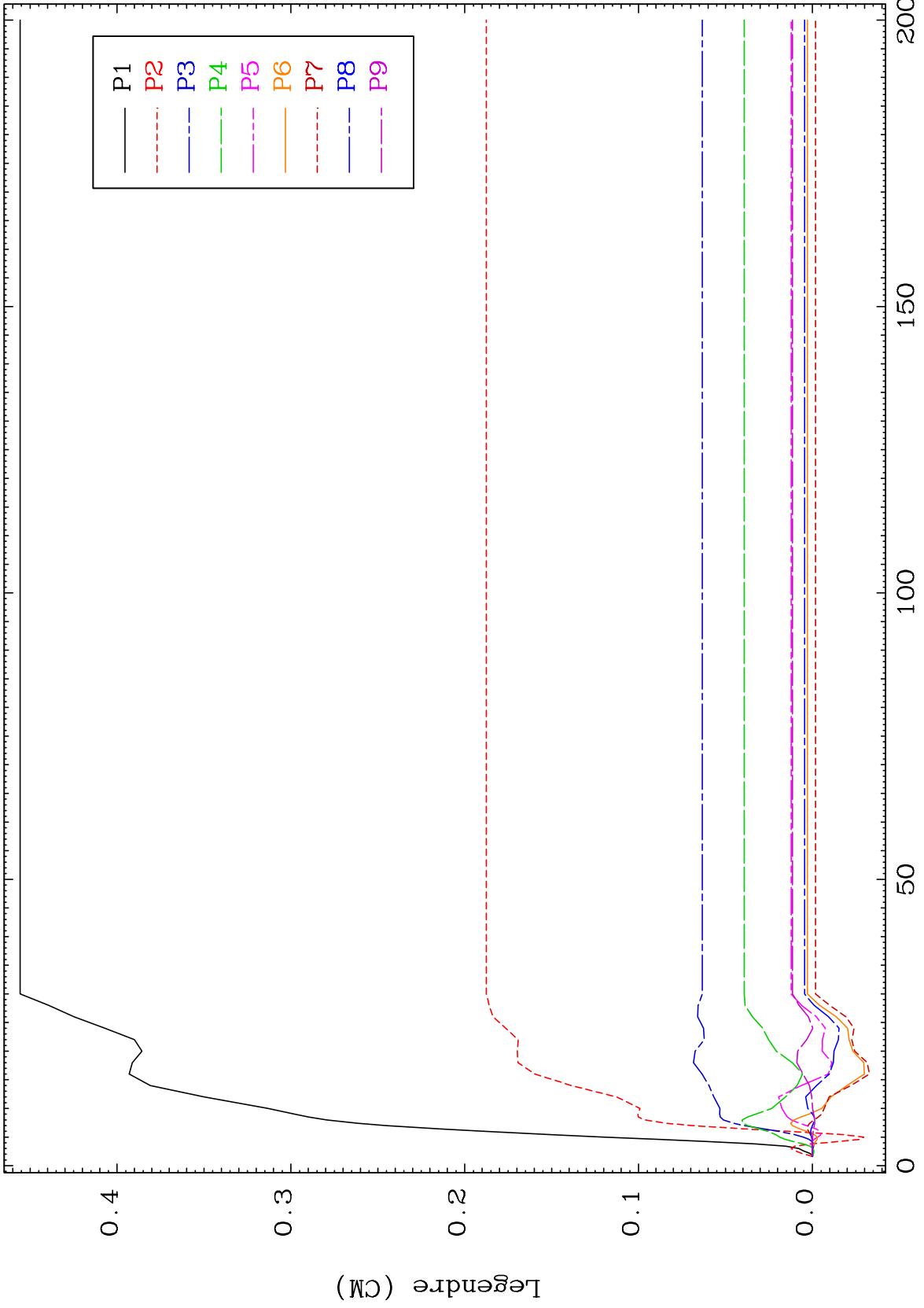
83

54-Xe-133

MAT 5452

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

54-Xe-133



84

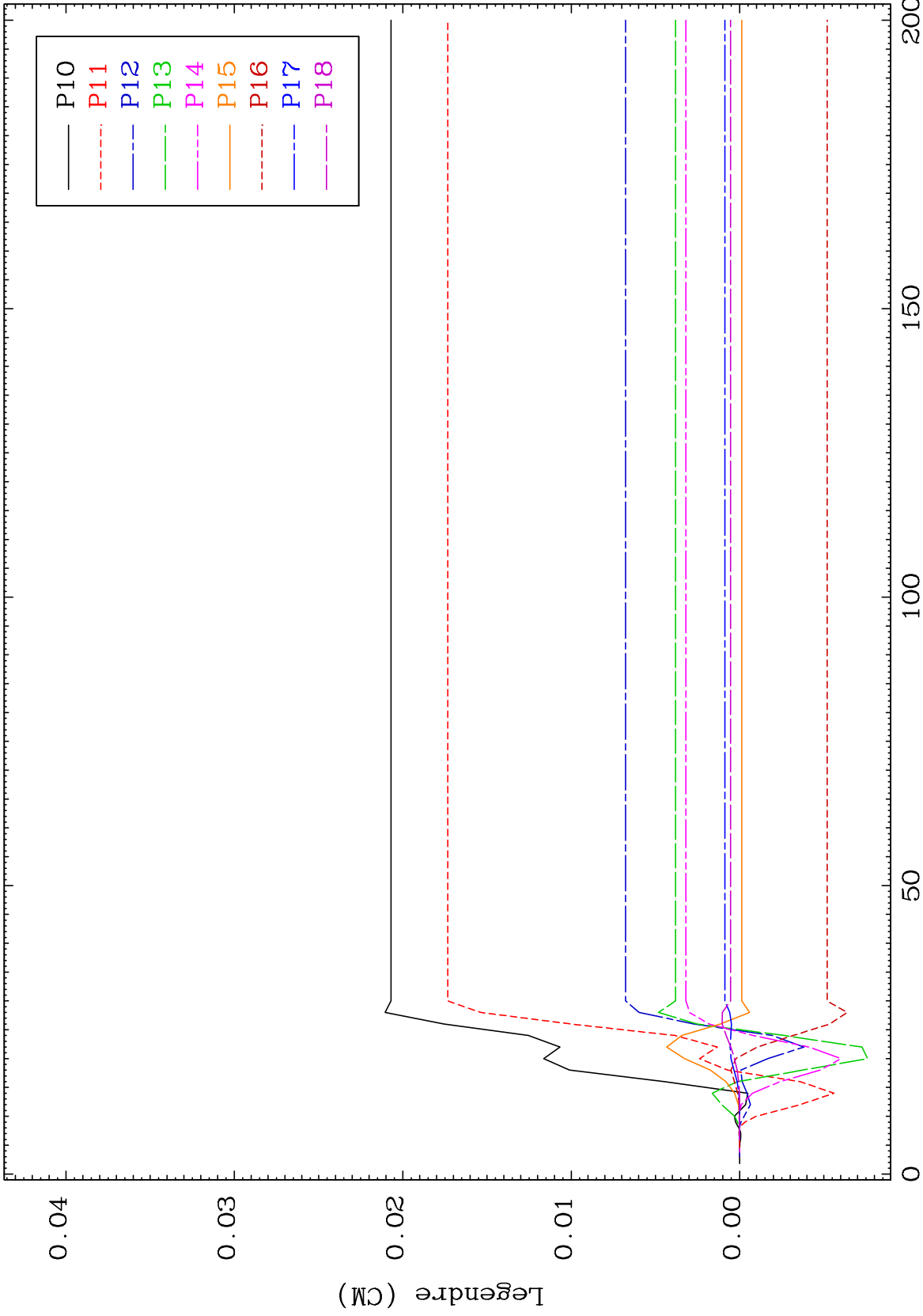
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



85

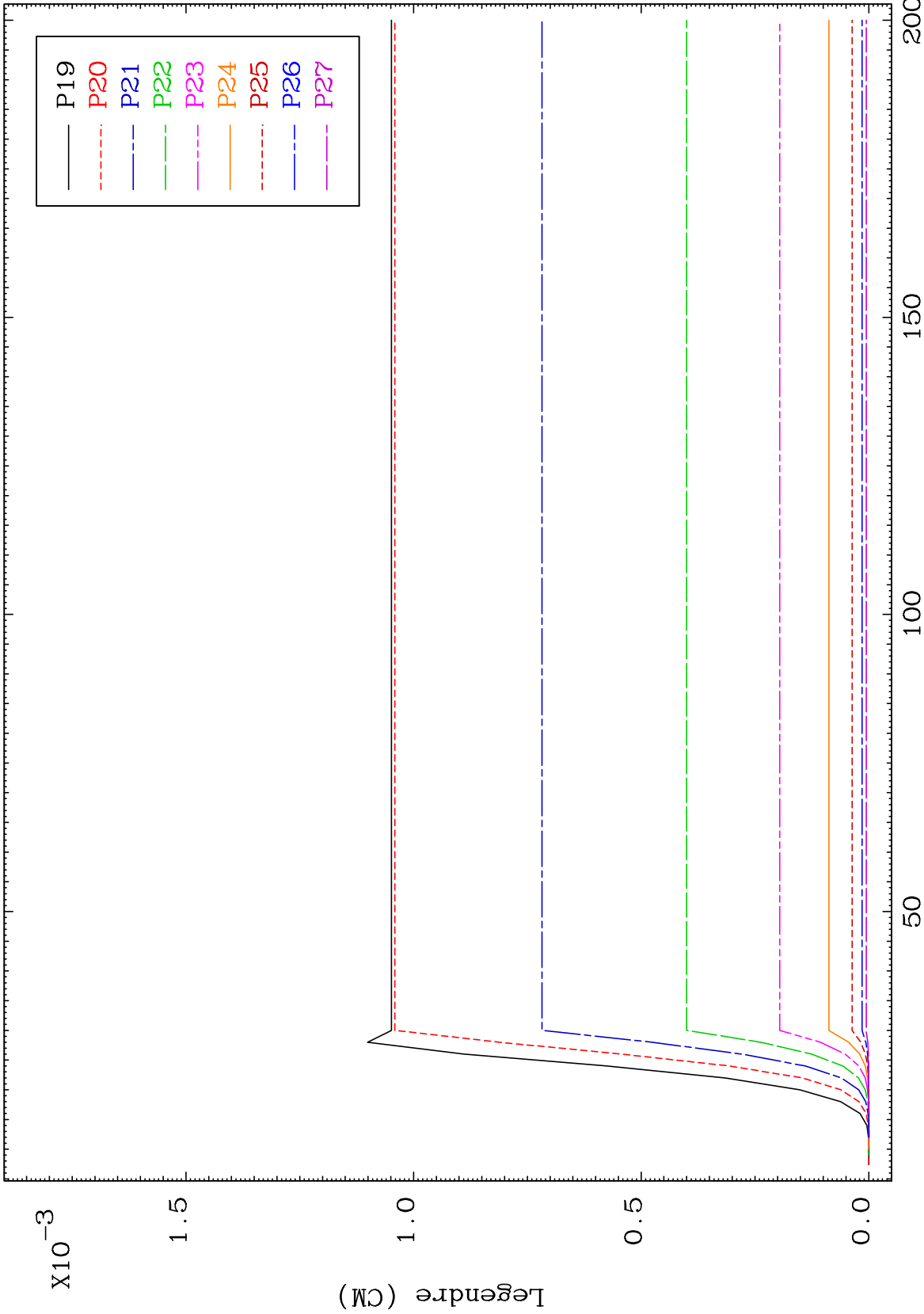
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



86

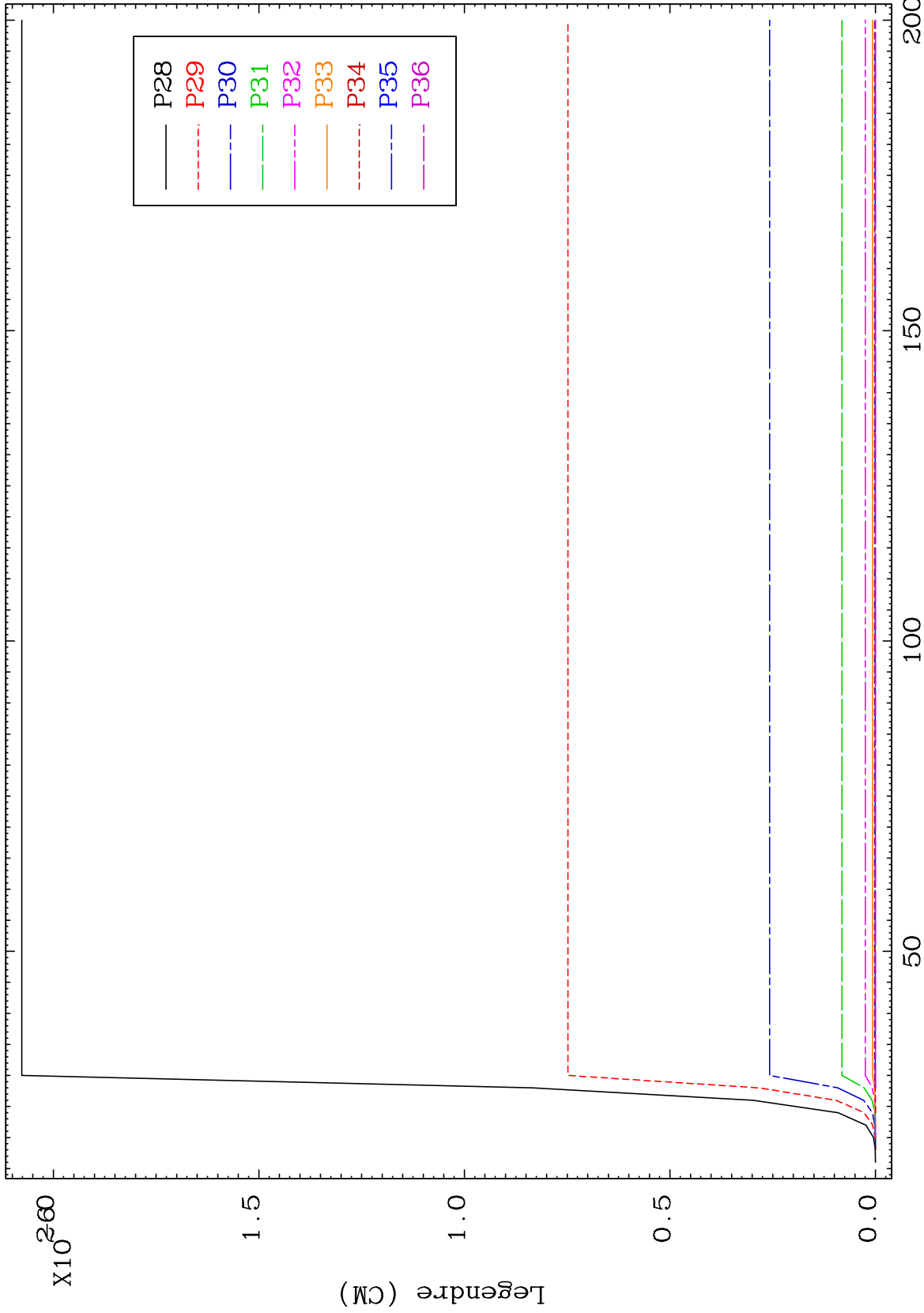
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



87

Incident Energy (MeV)

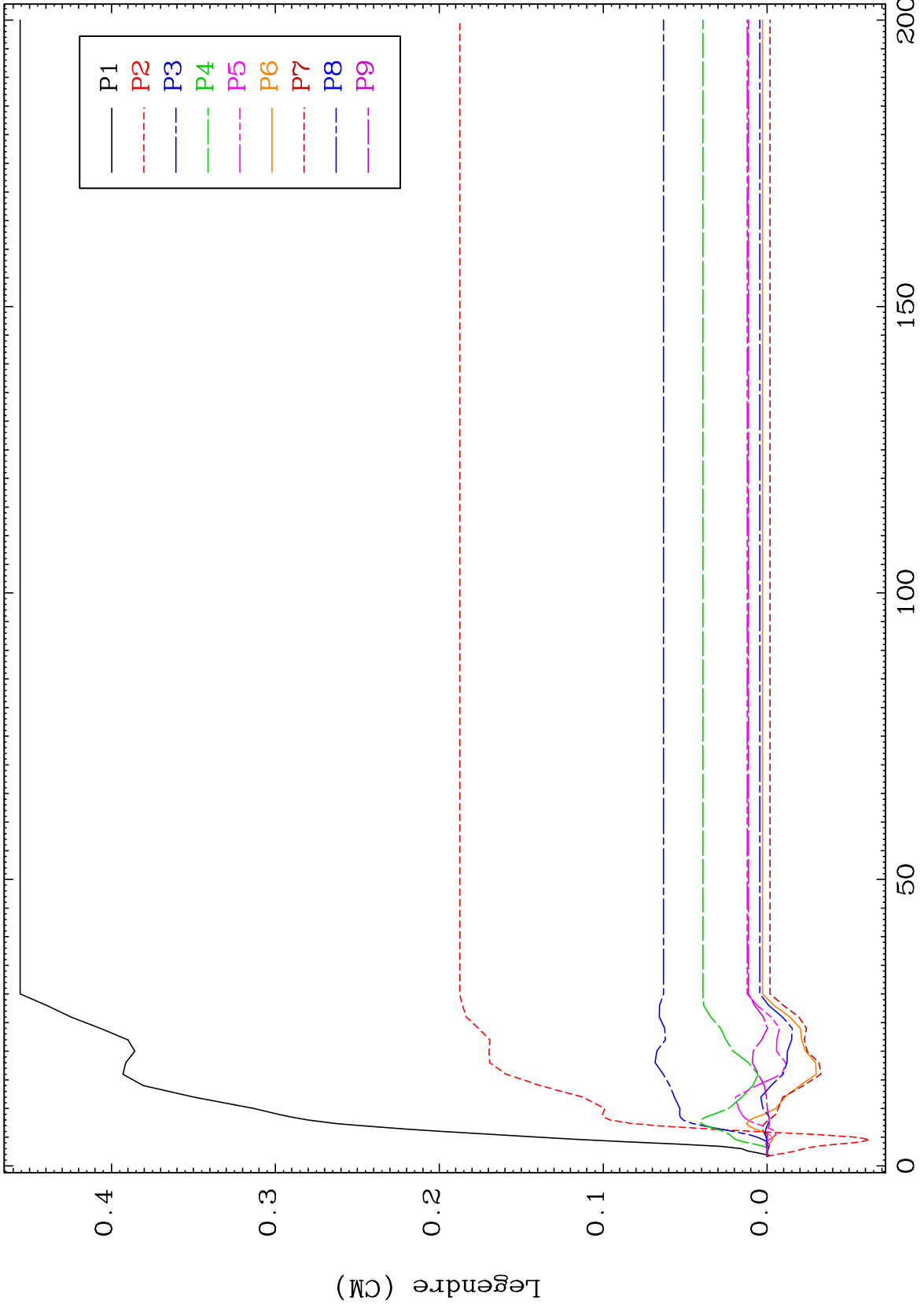
54-Xe-133



MAT 5452

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

54-Xe-133



88

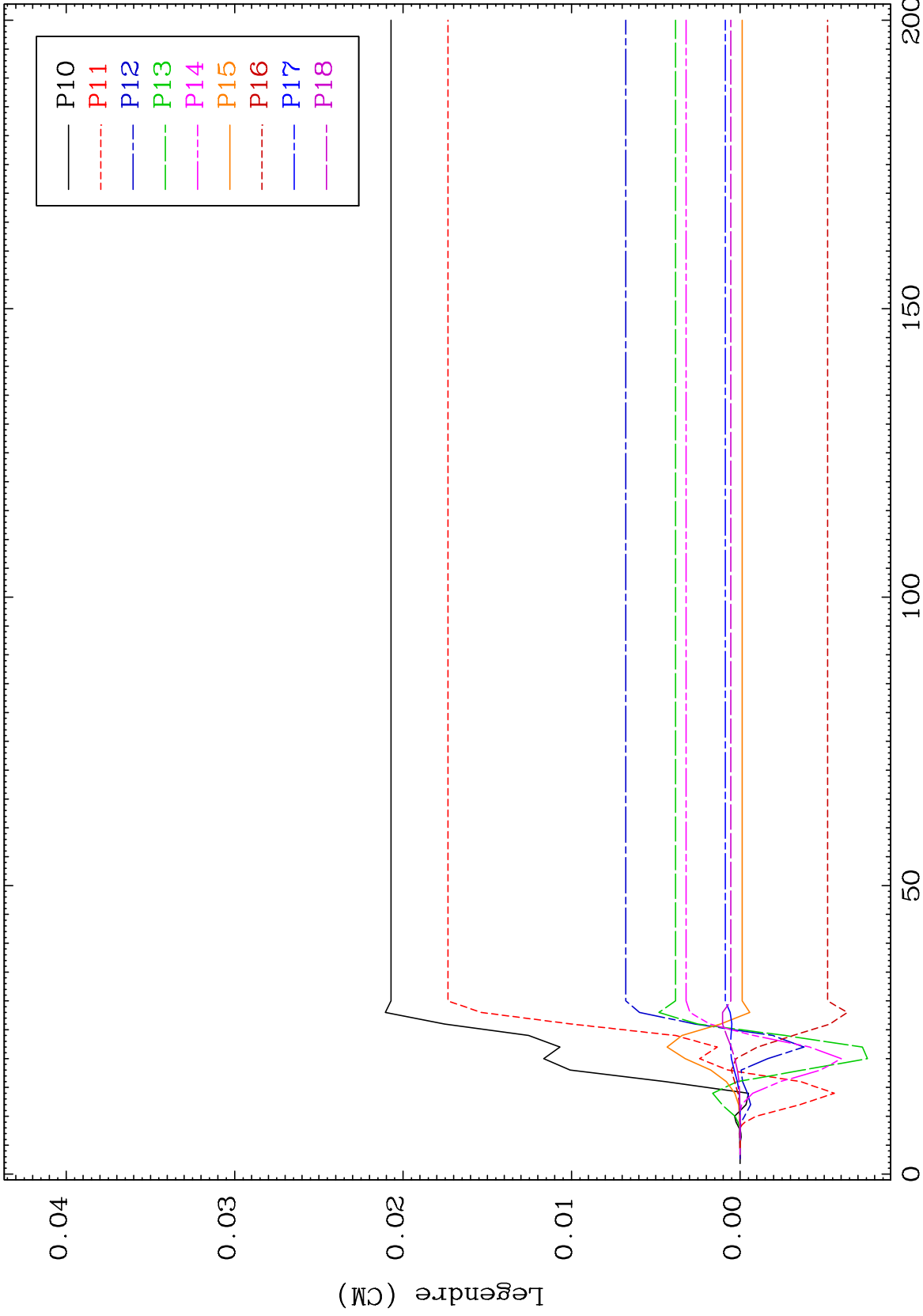
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



89

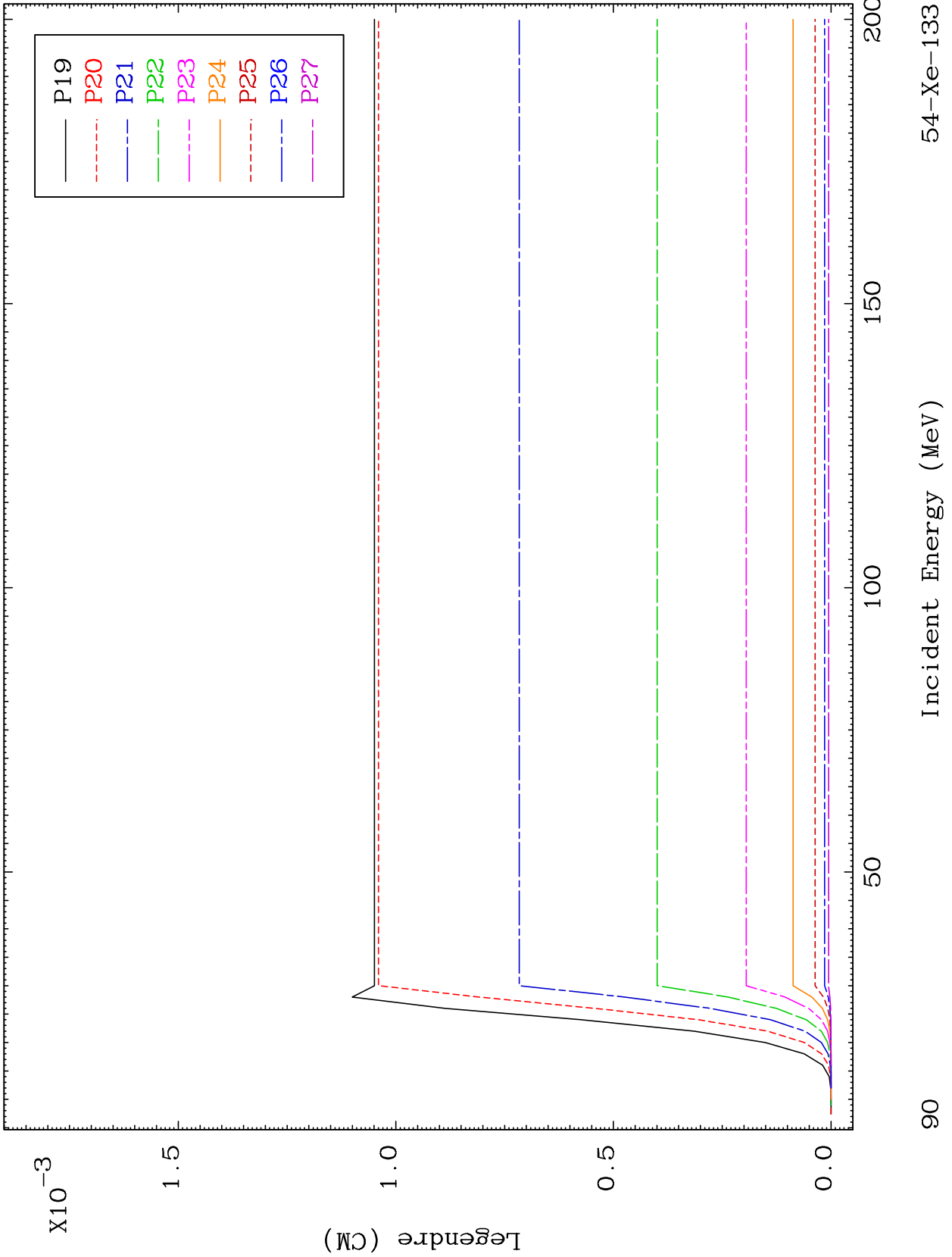
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

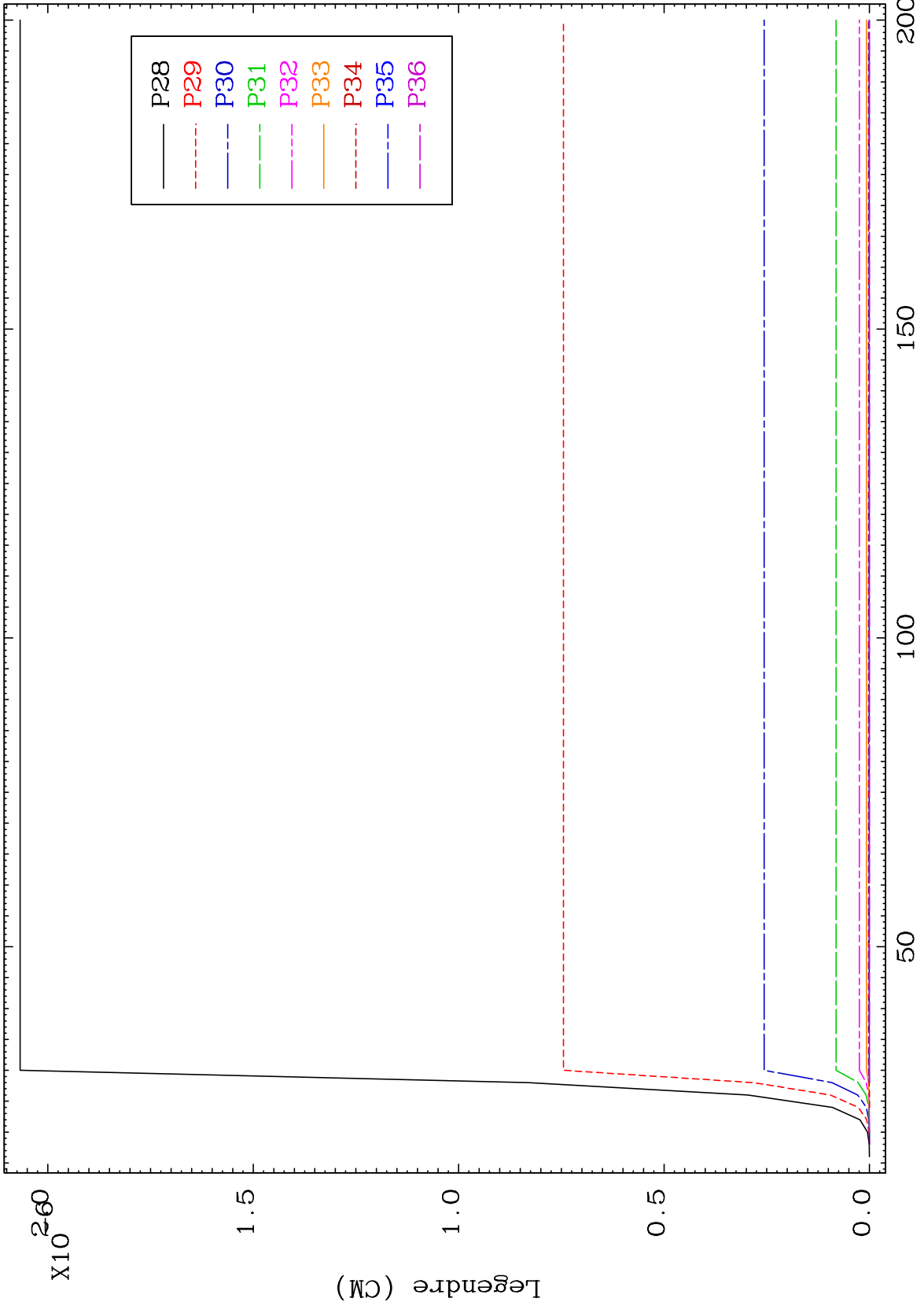
54-Xe-133



MAT 5452

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

54-Xe-133



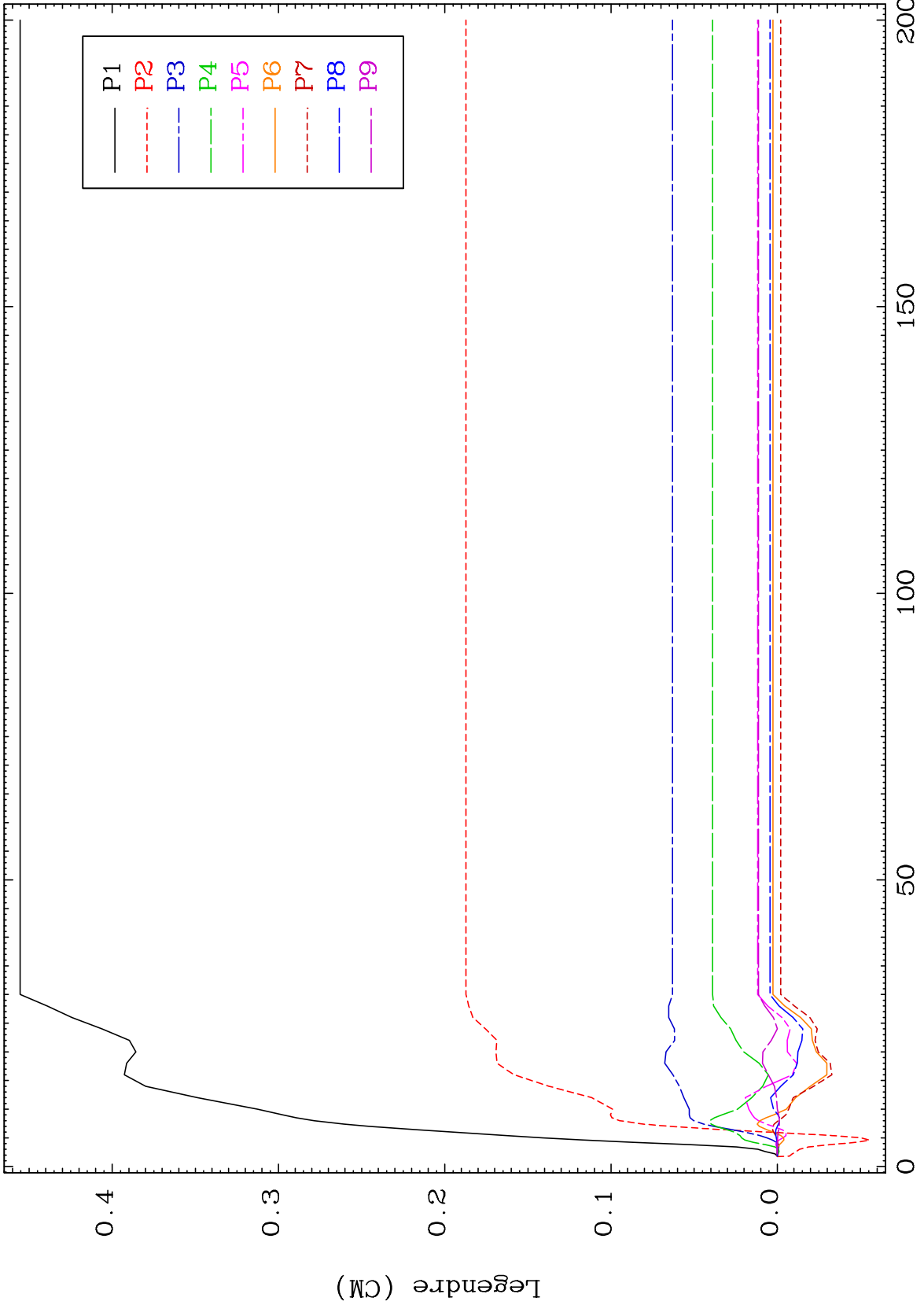
91

54-Xe-133

MAT 5452

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

54-Xe-133



92

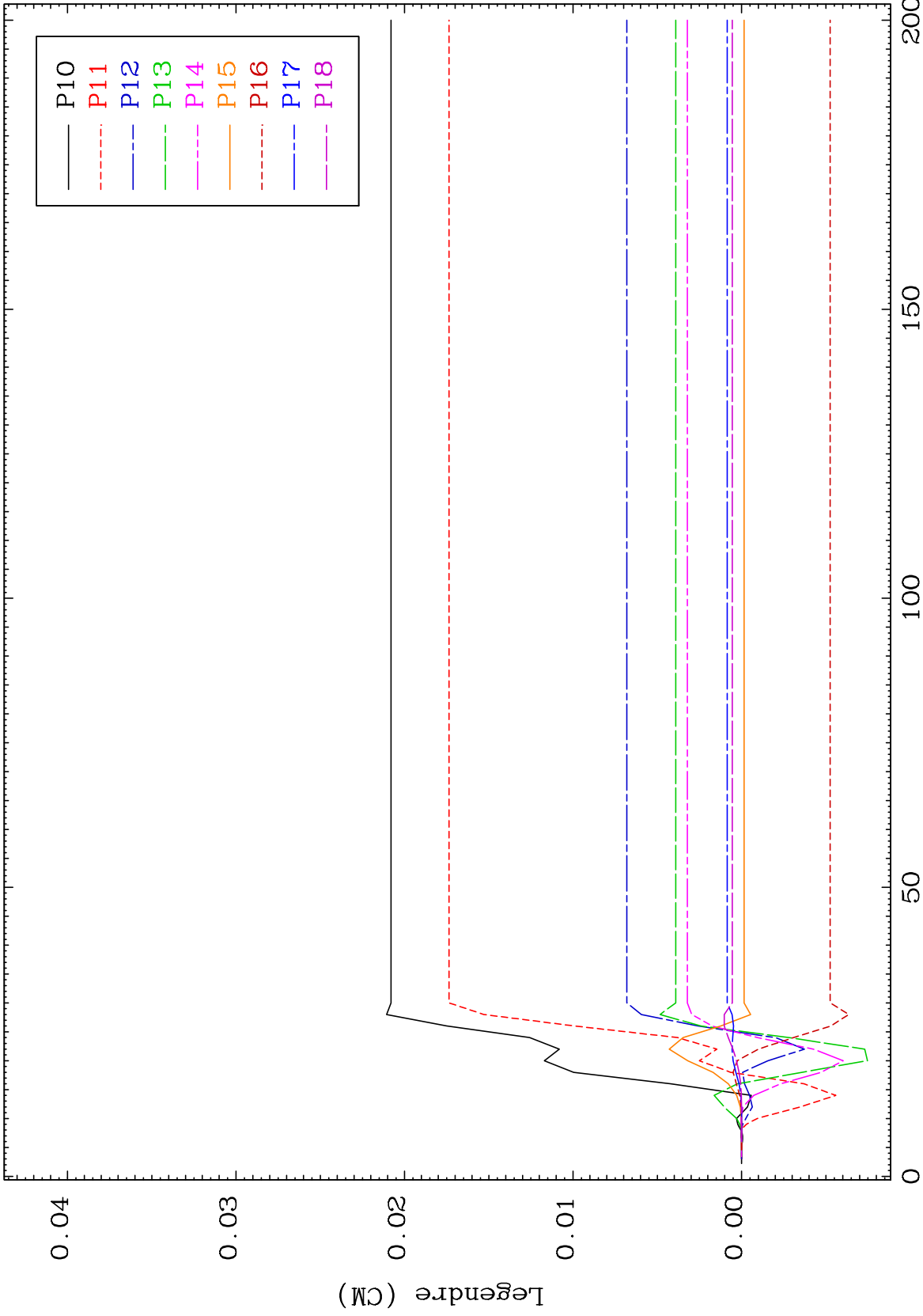
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



93

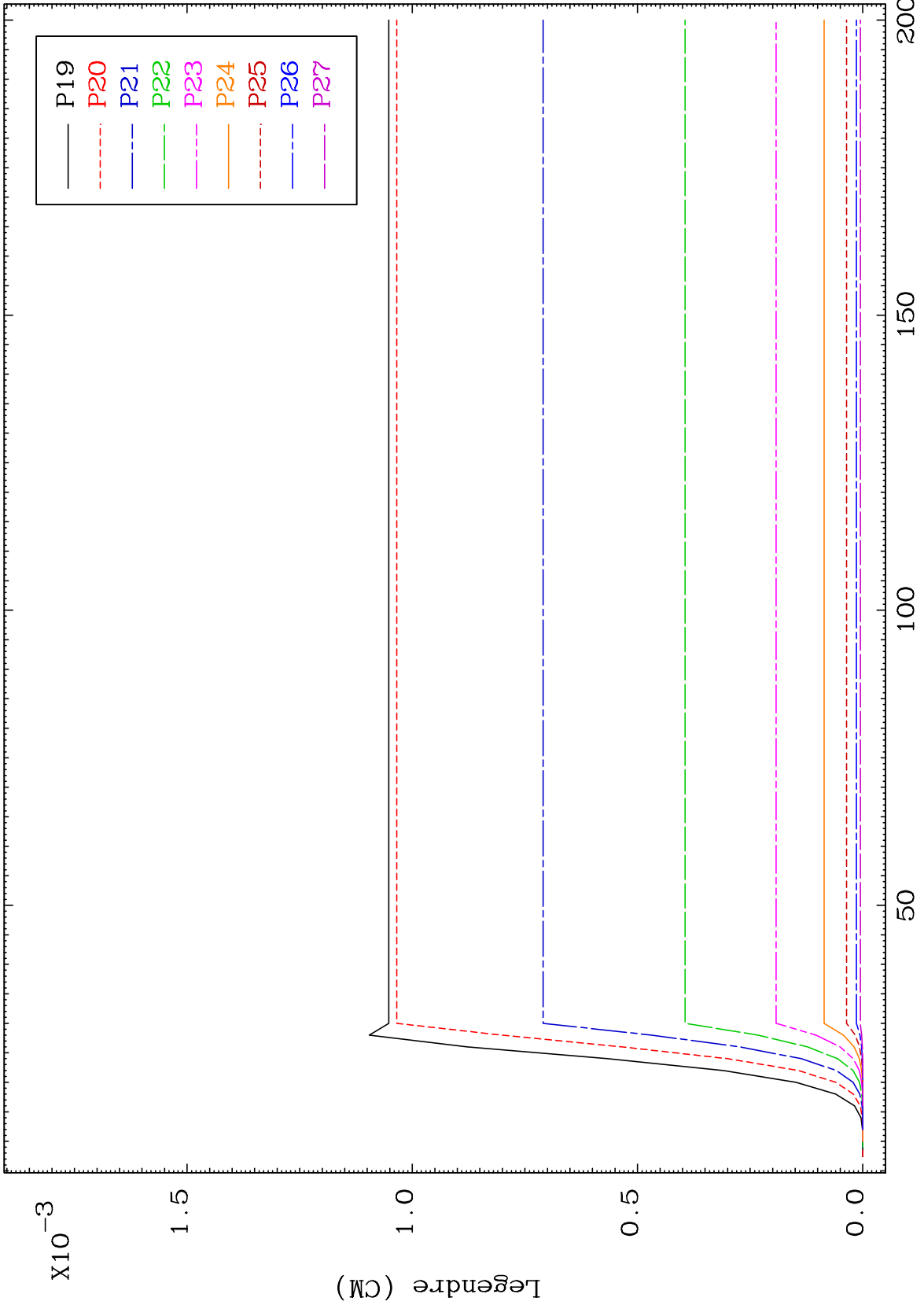
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



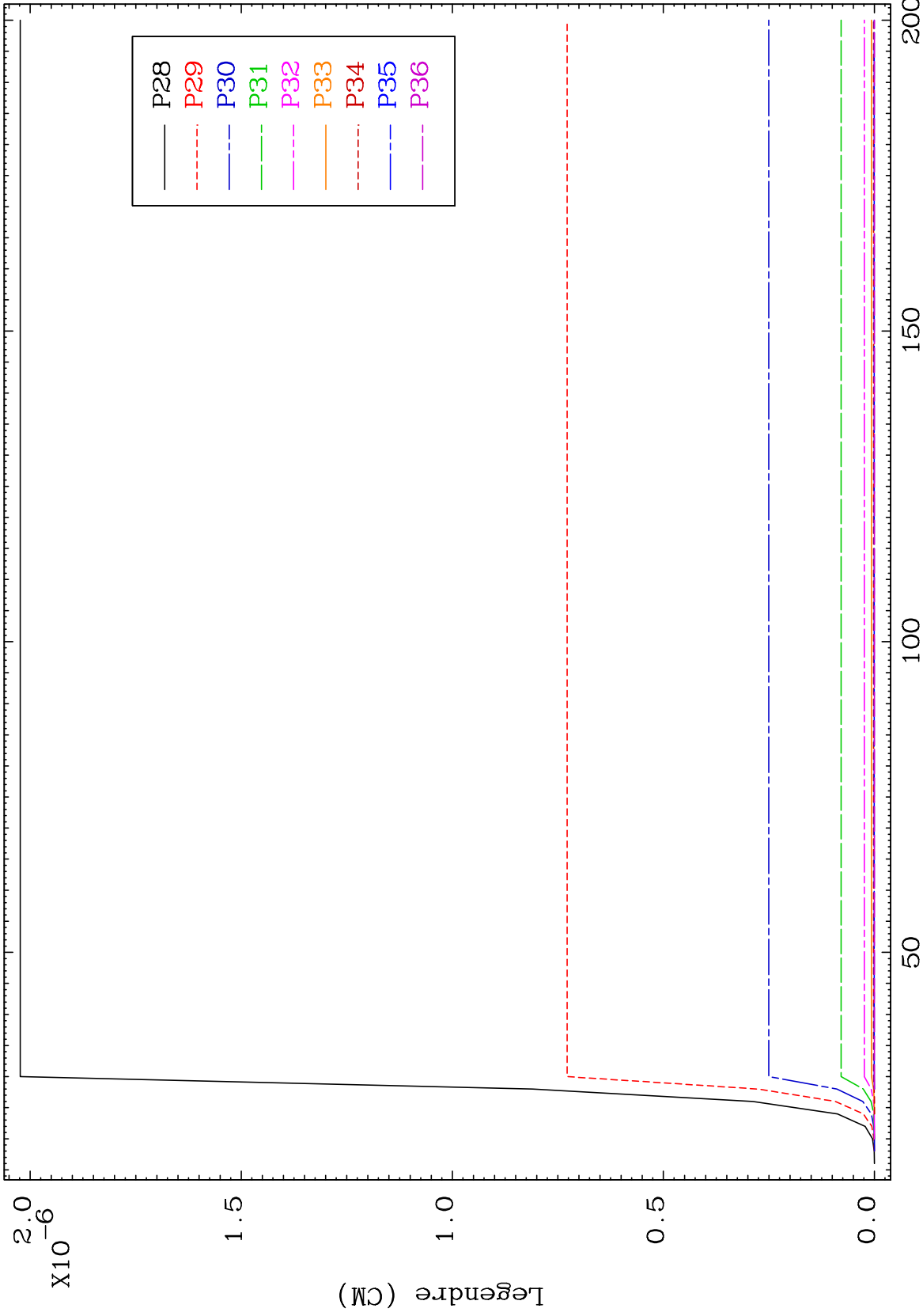
94

54-Xe-133

MAT 5452

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

54-Xe-133



95

Incident Energy (MeV)

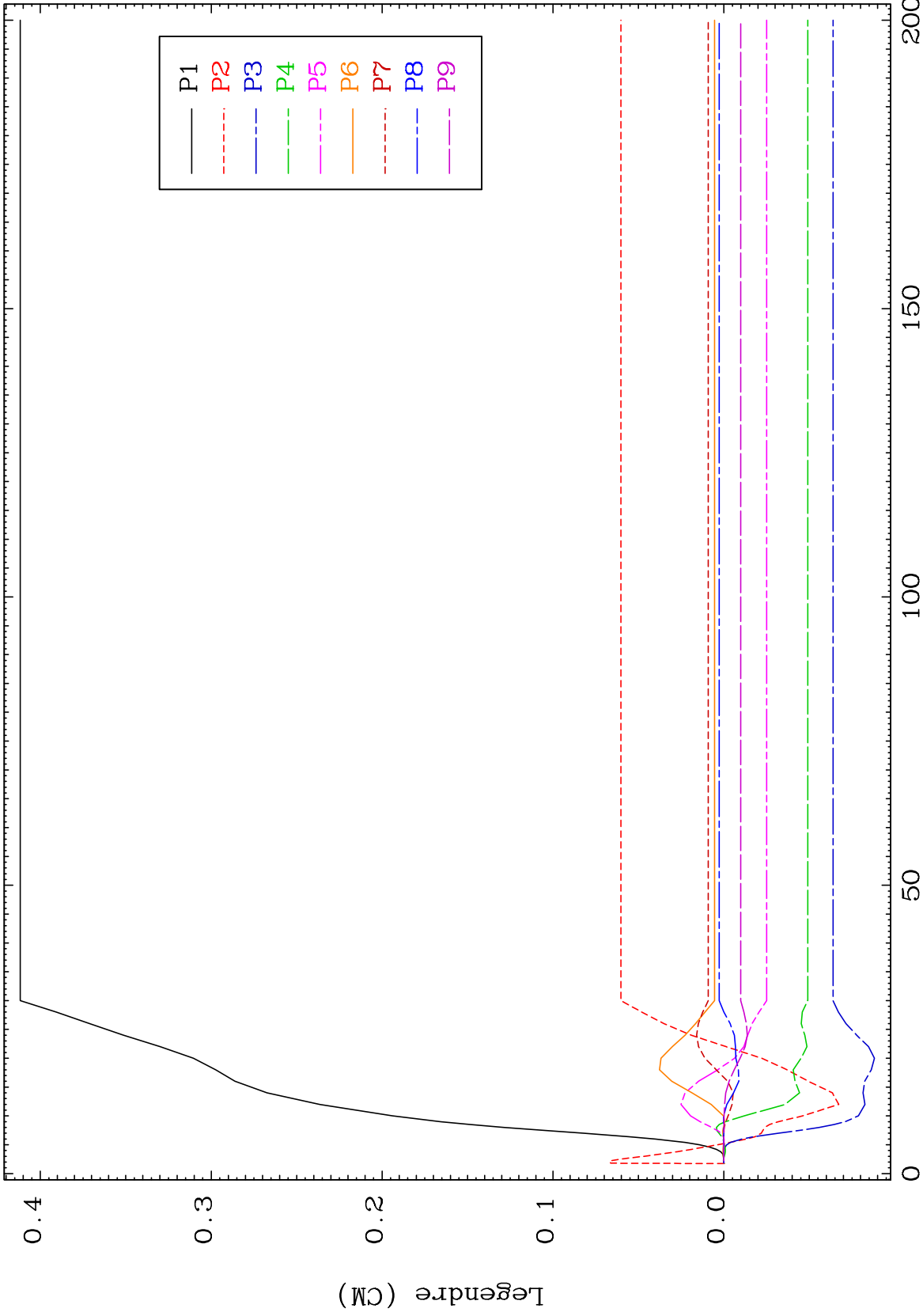
54-Xe-133



MAT 5452

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

54-Xe-133



96

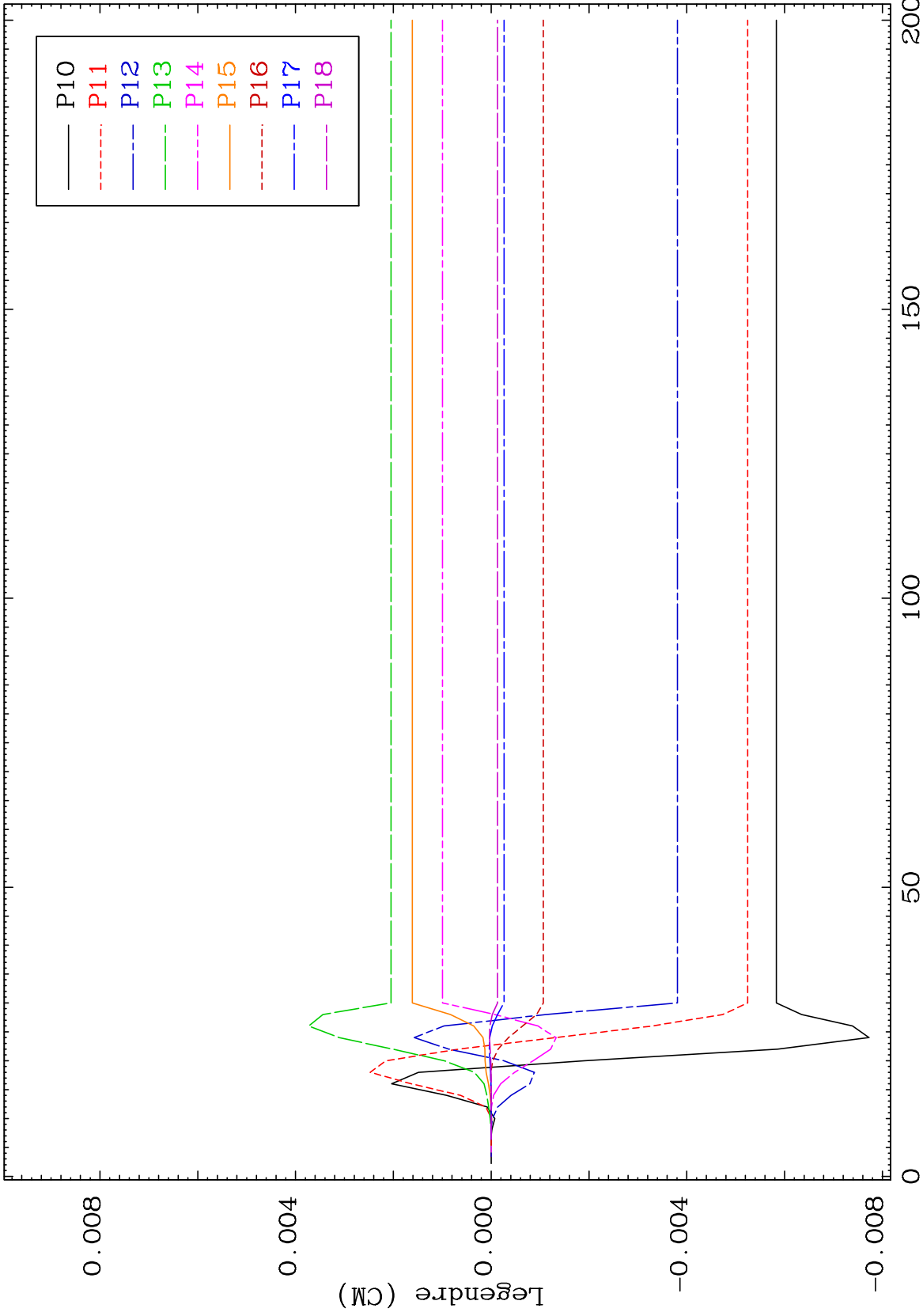
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



97

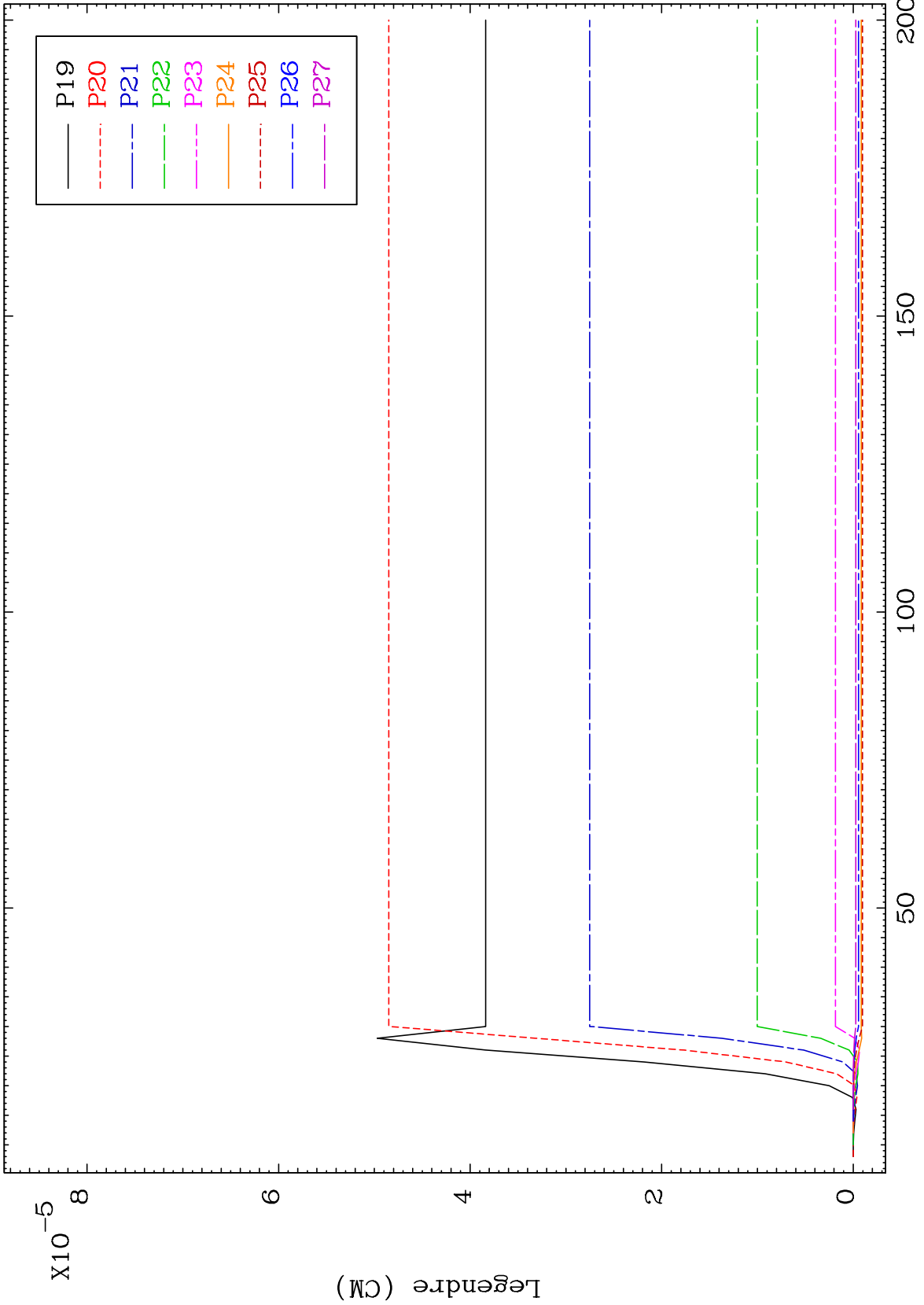
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



98

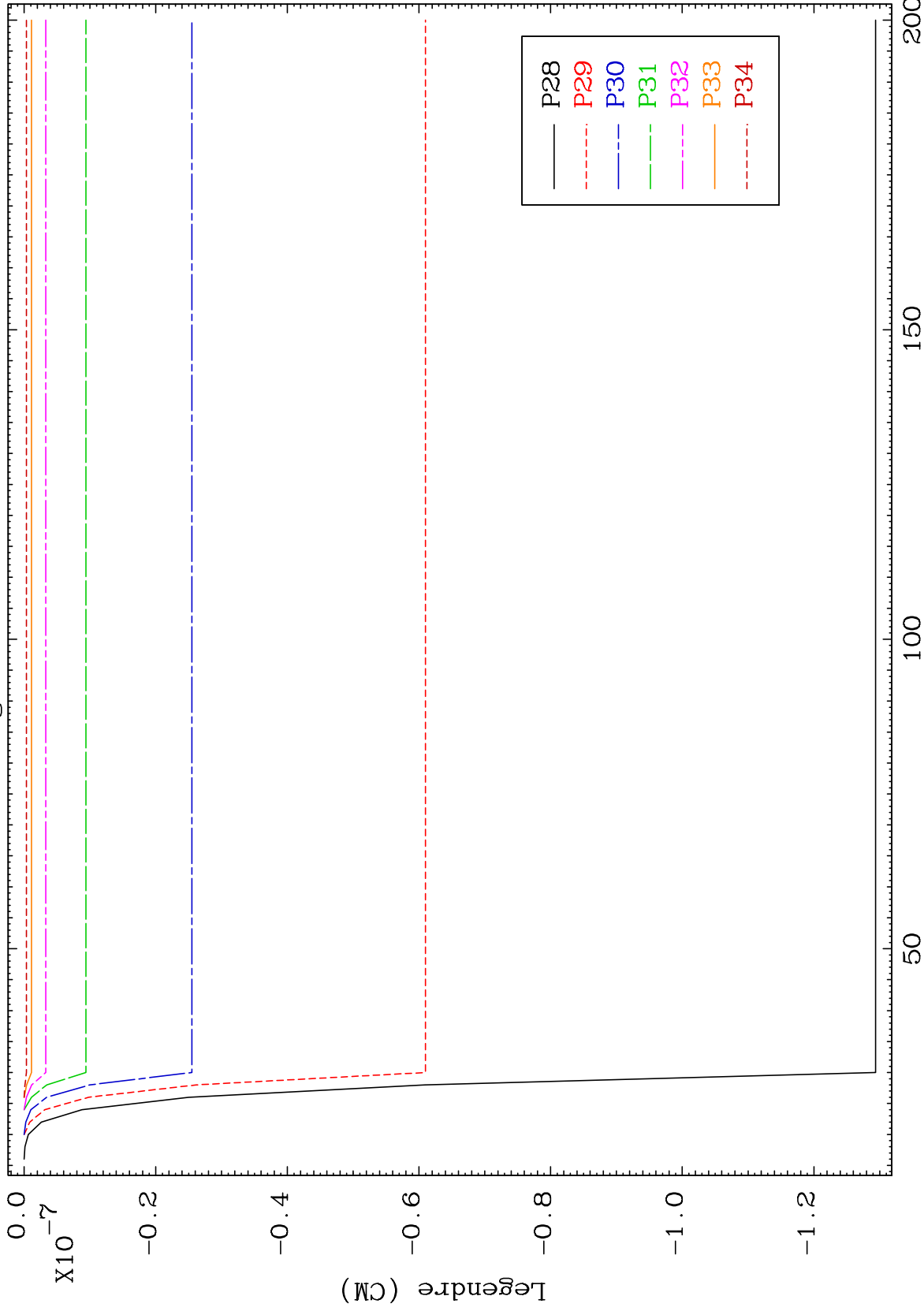
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



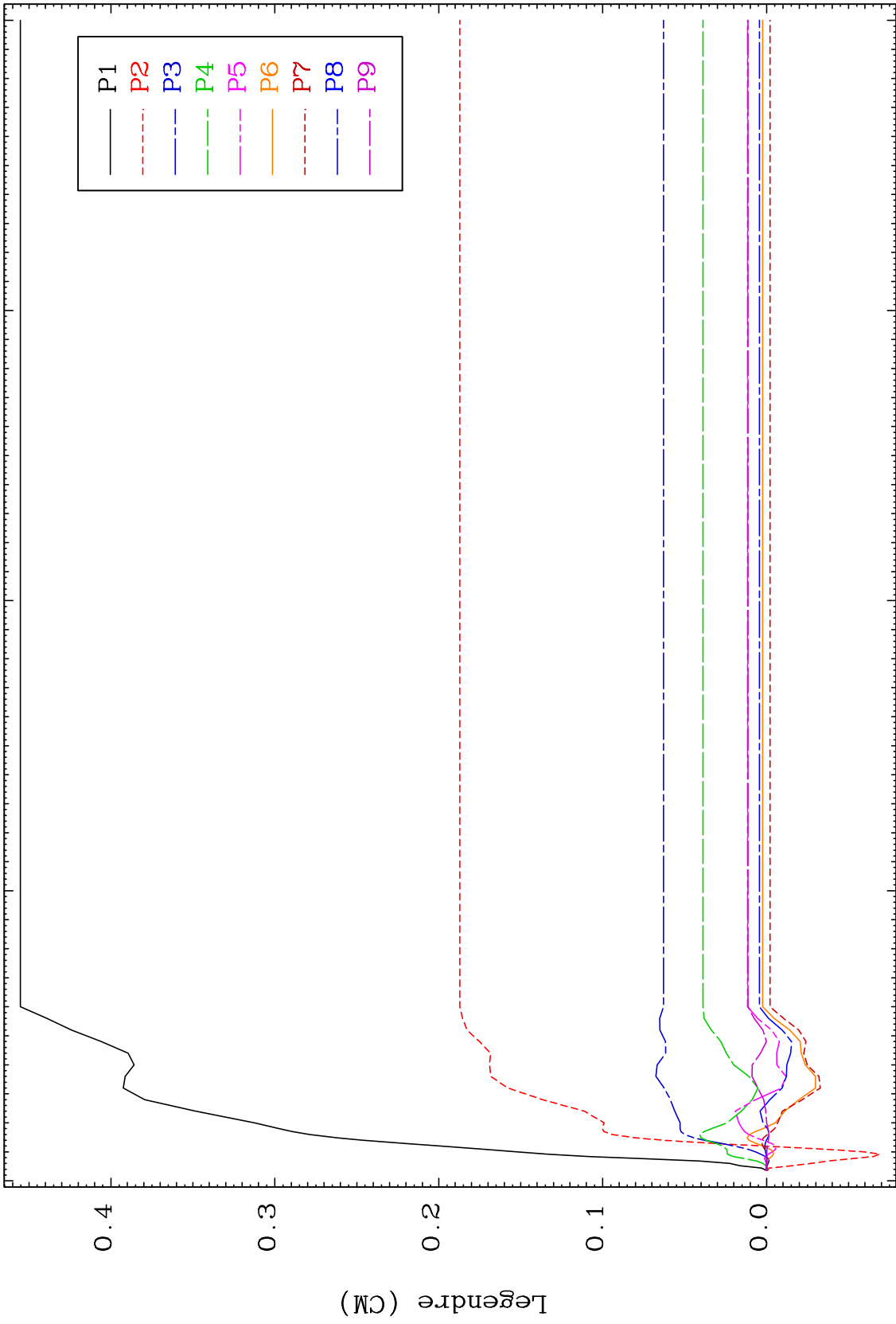
99

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

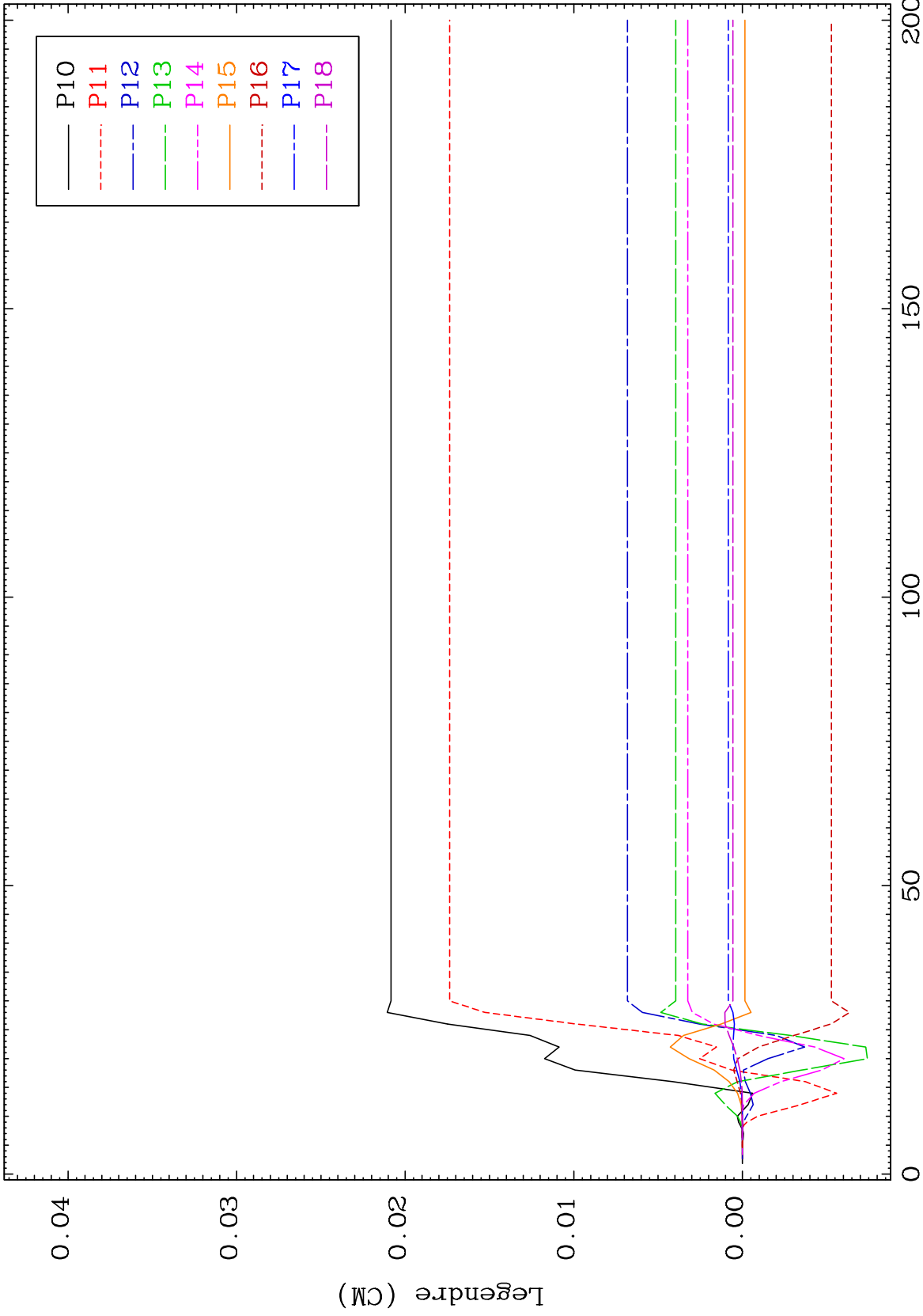
Incident Energy (MeV)

100

MAT 5452

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

54-Xe-133



101

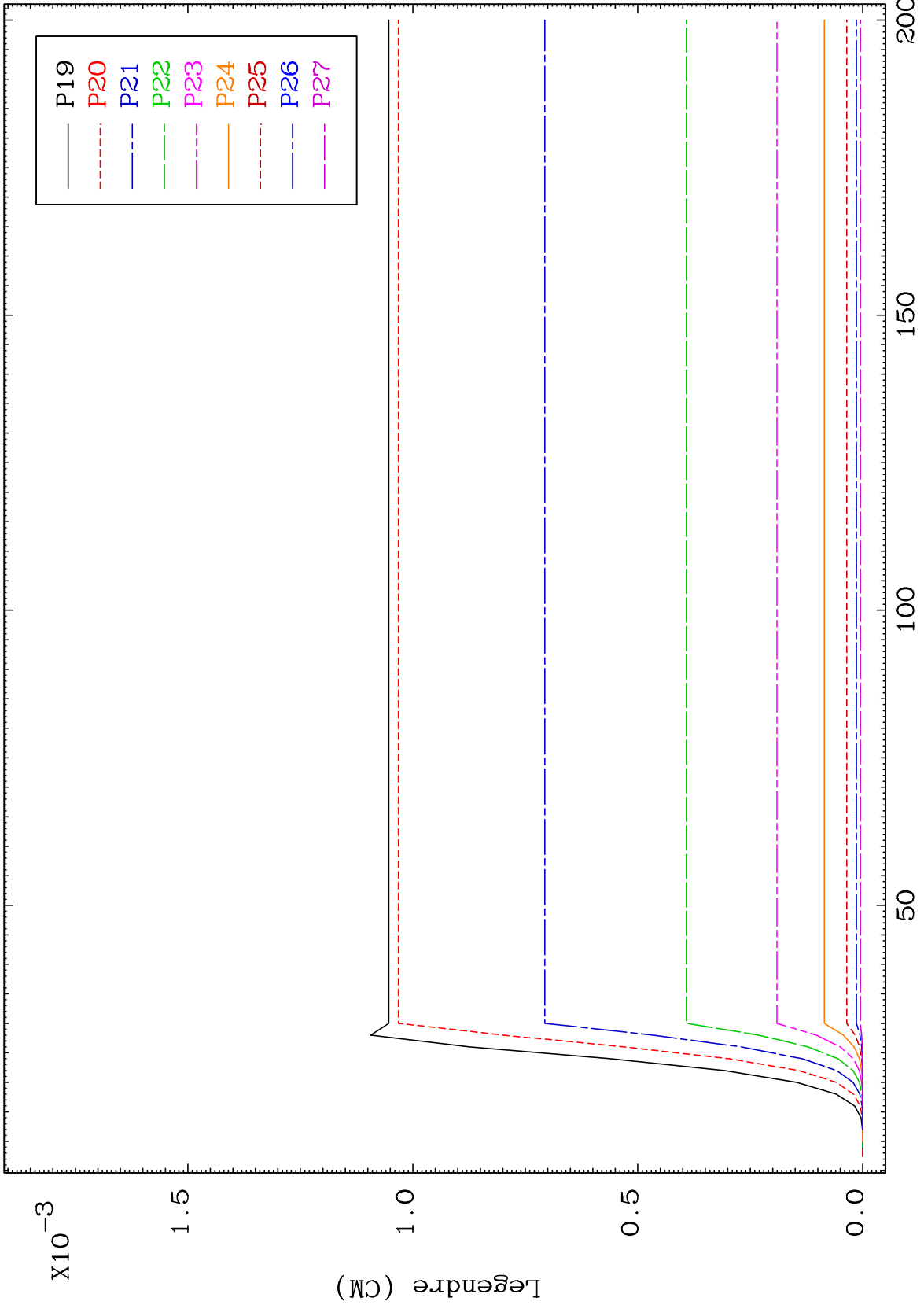
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



102

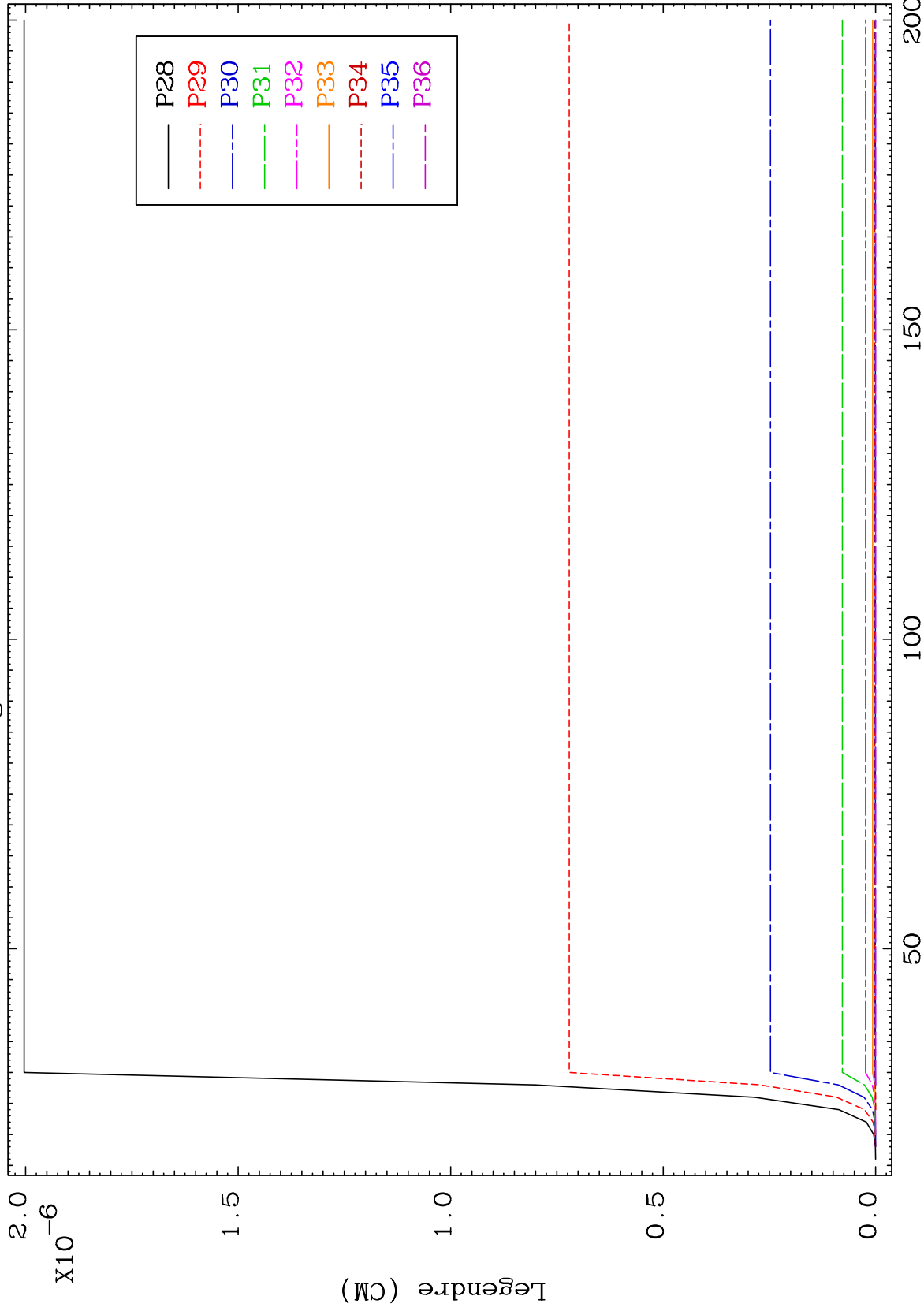
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



103

Incident Energy (MeV)

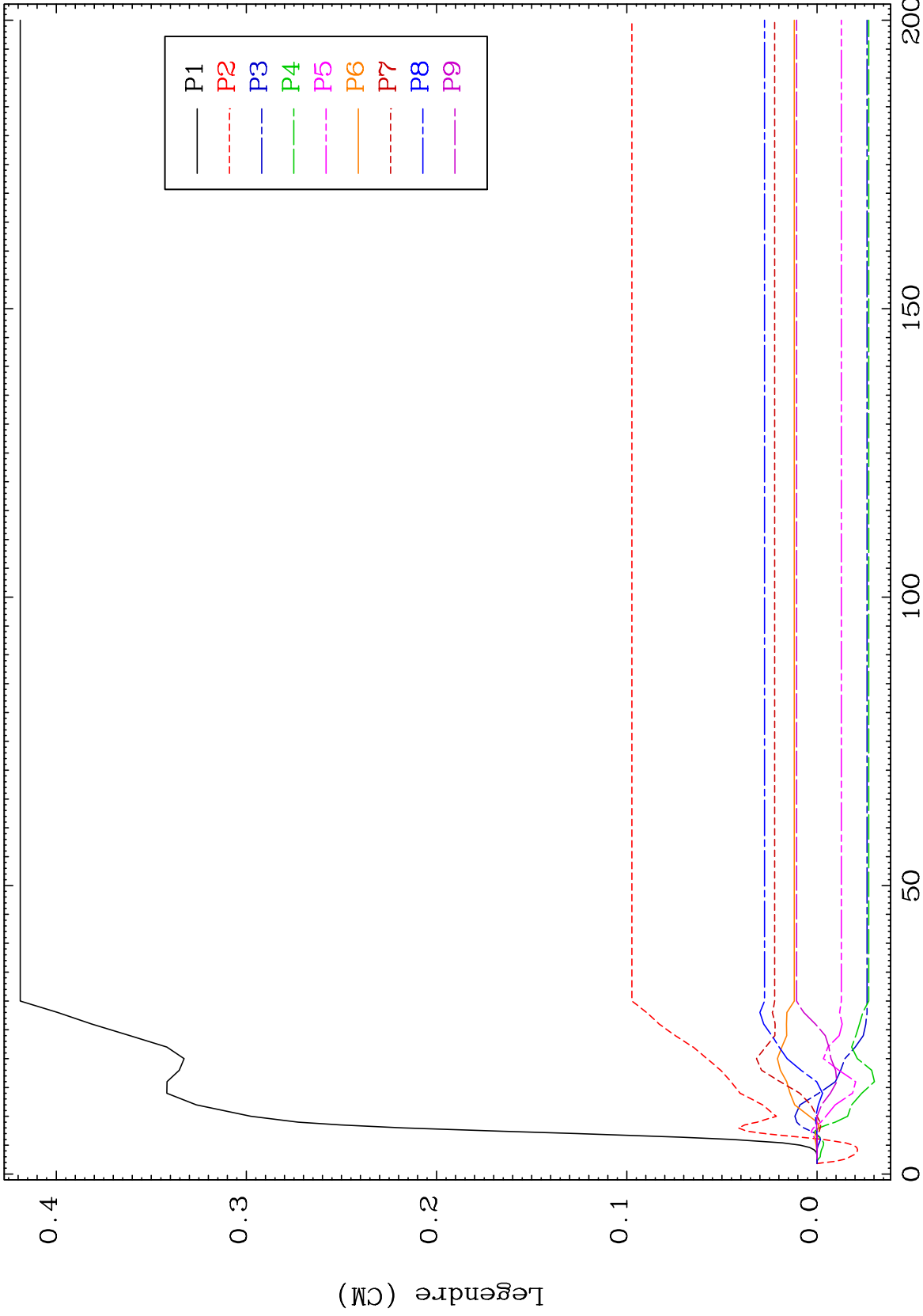
54-Xe-133



MAT 5452

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

54-Xe-133



104

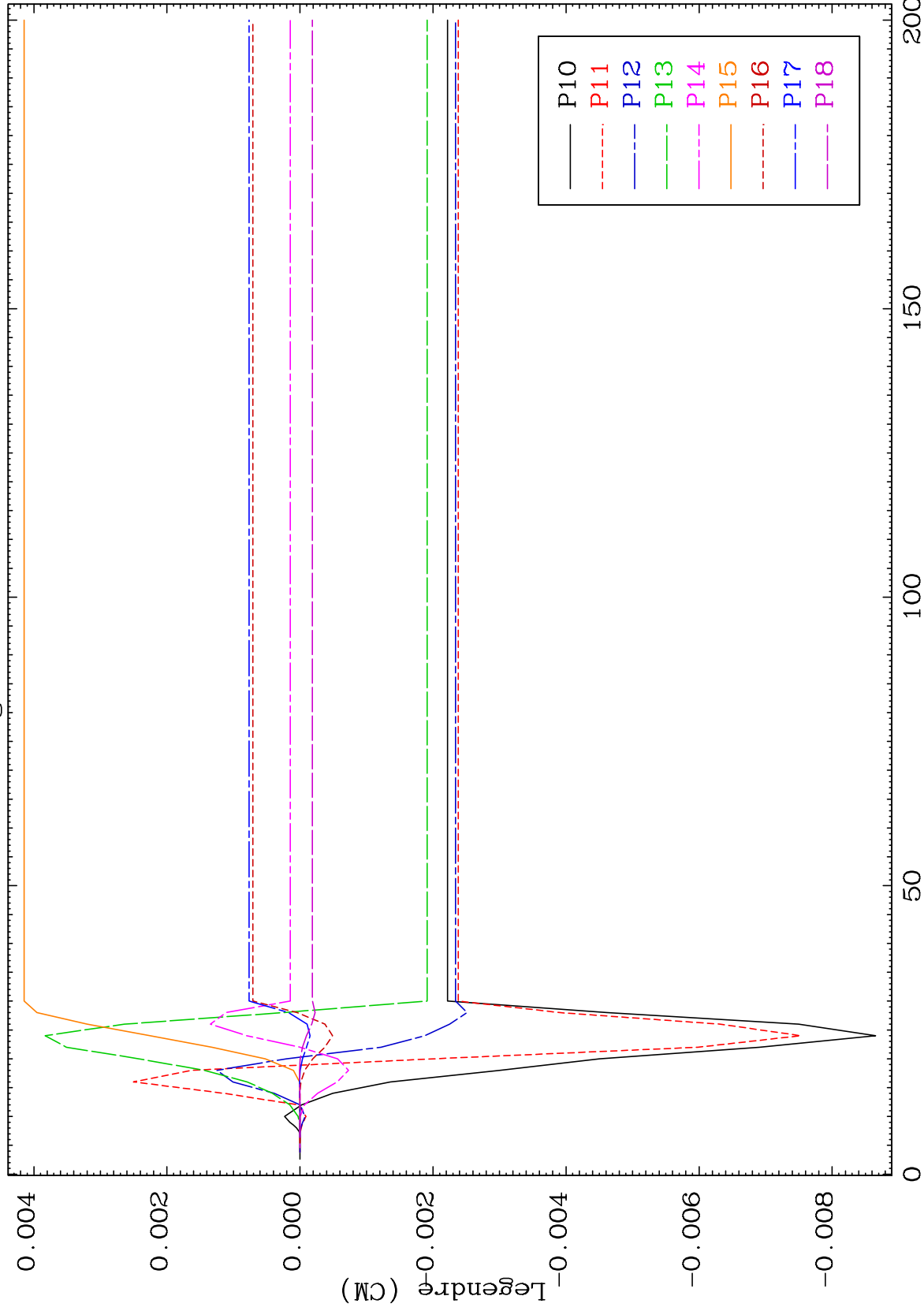
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



105

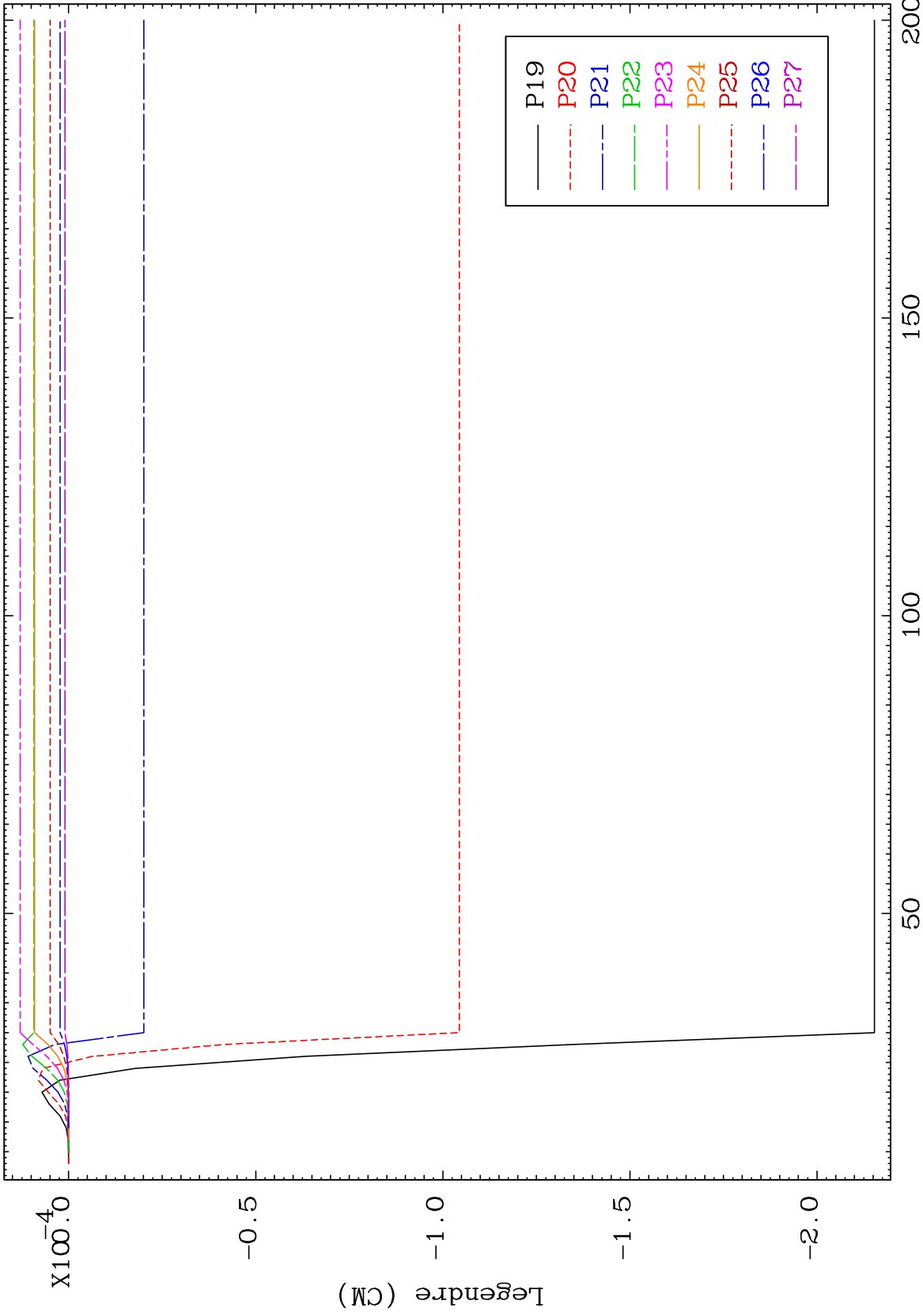
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



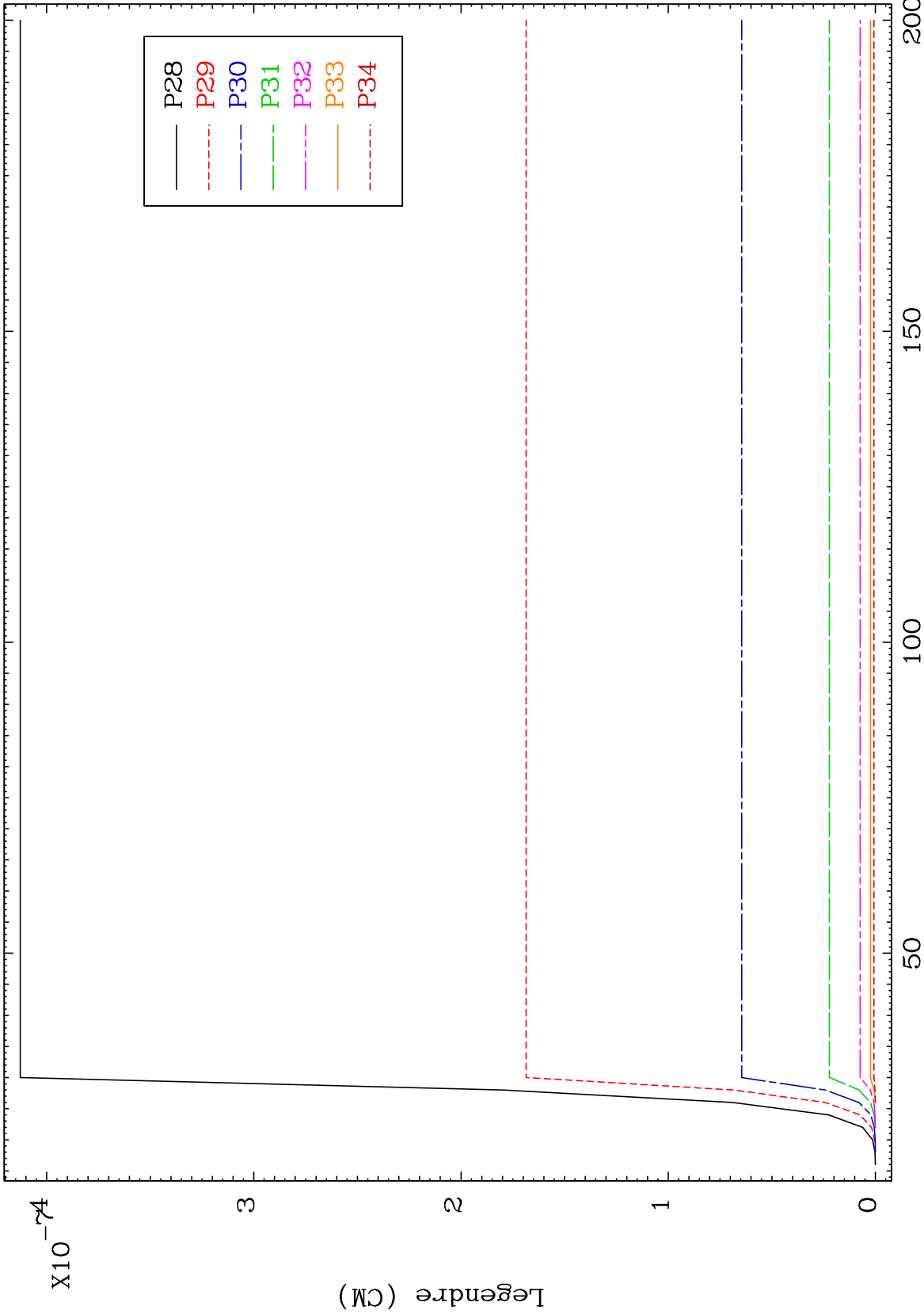
106

54-Xe-133

MAT 5452

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

54-Xe-133



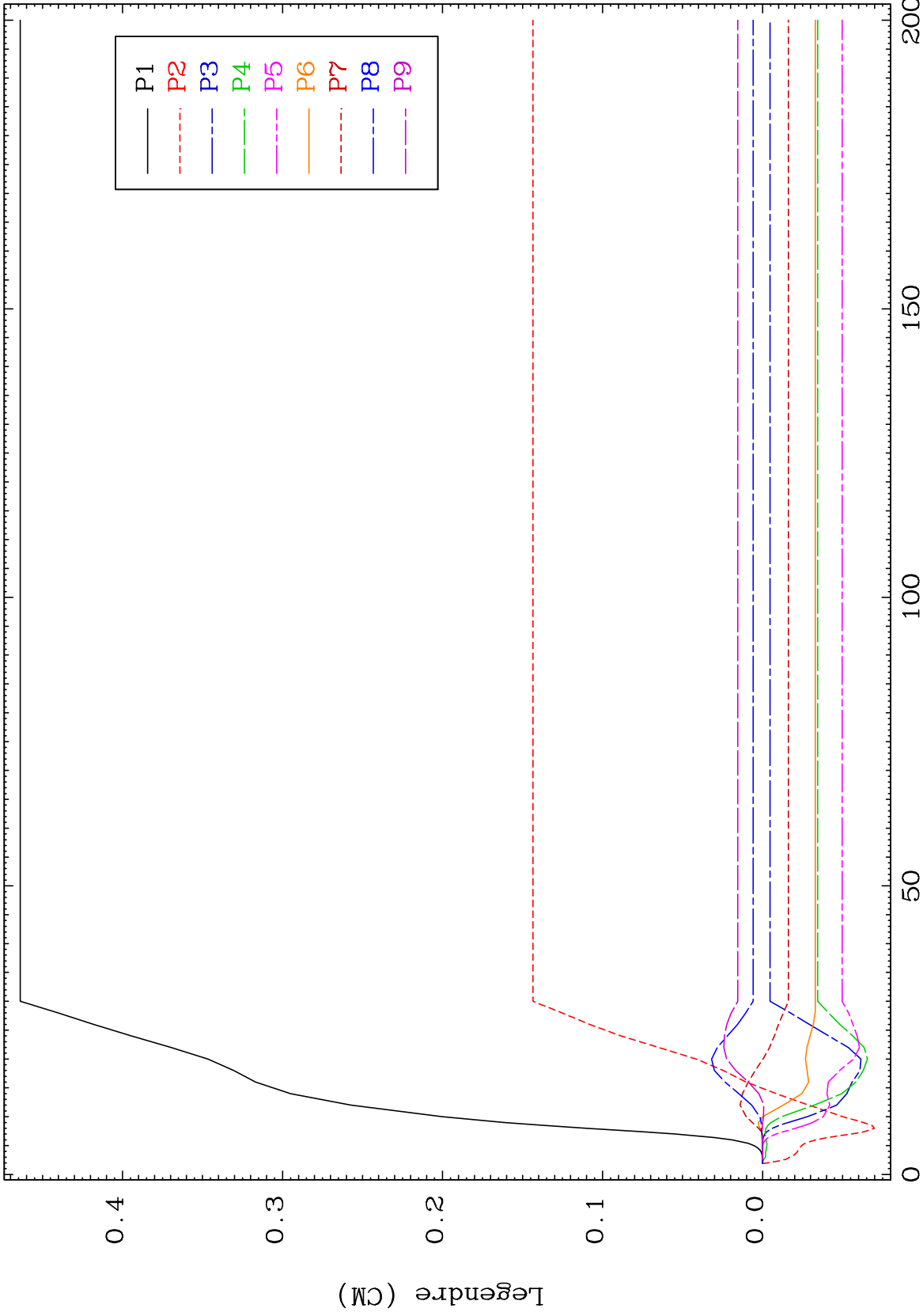
107

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

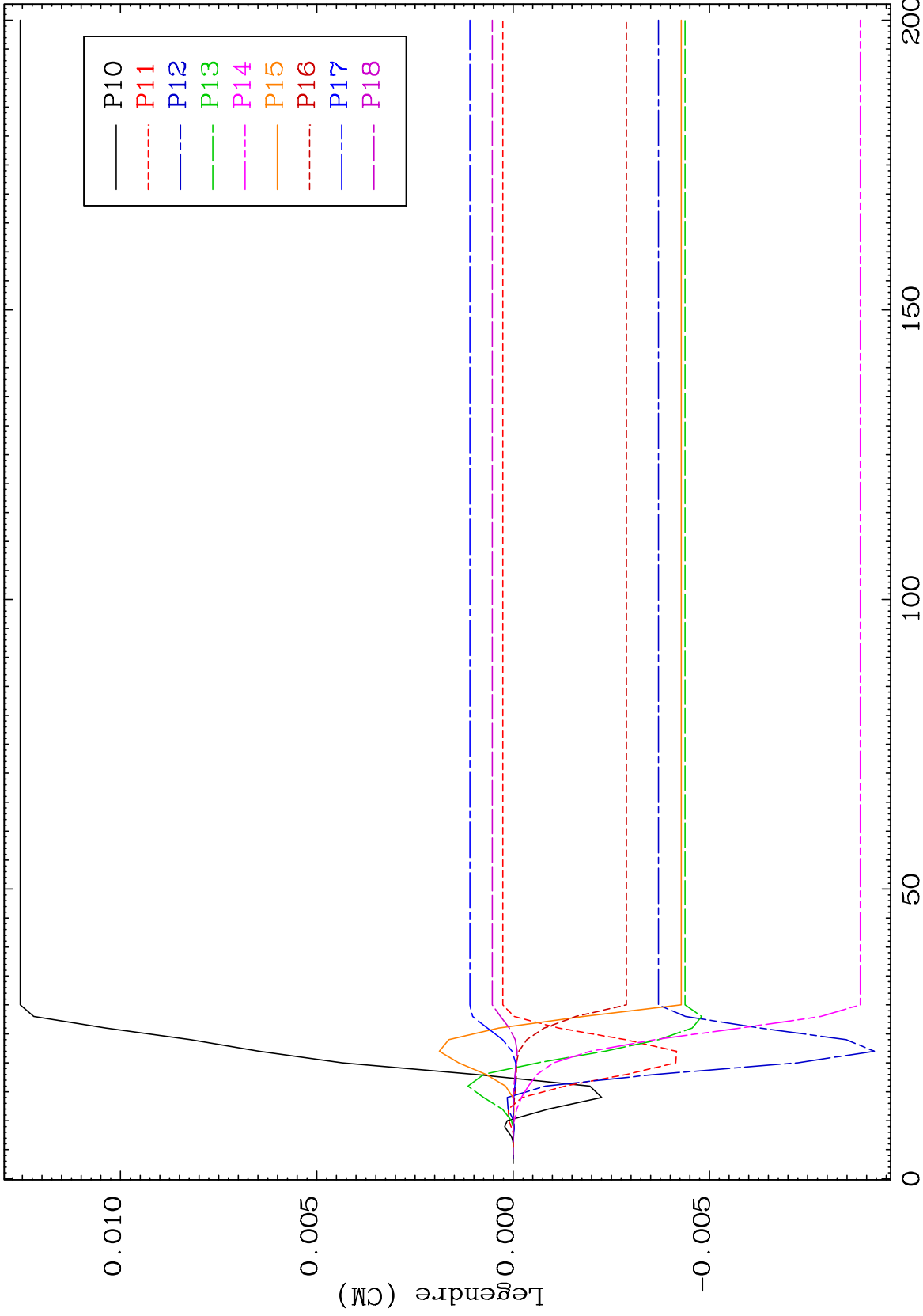
Incident Energy (MeV)

108

MAT 5452

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

54-Xe-133



109

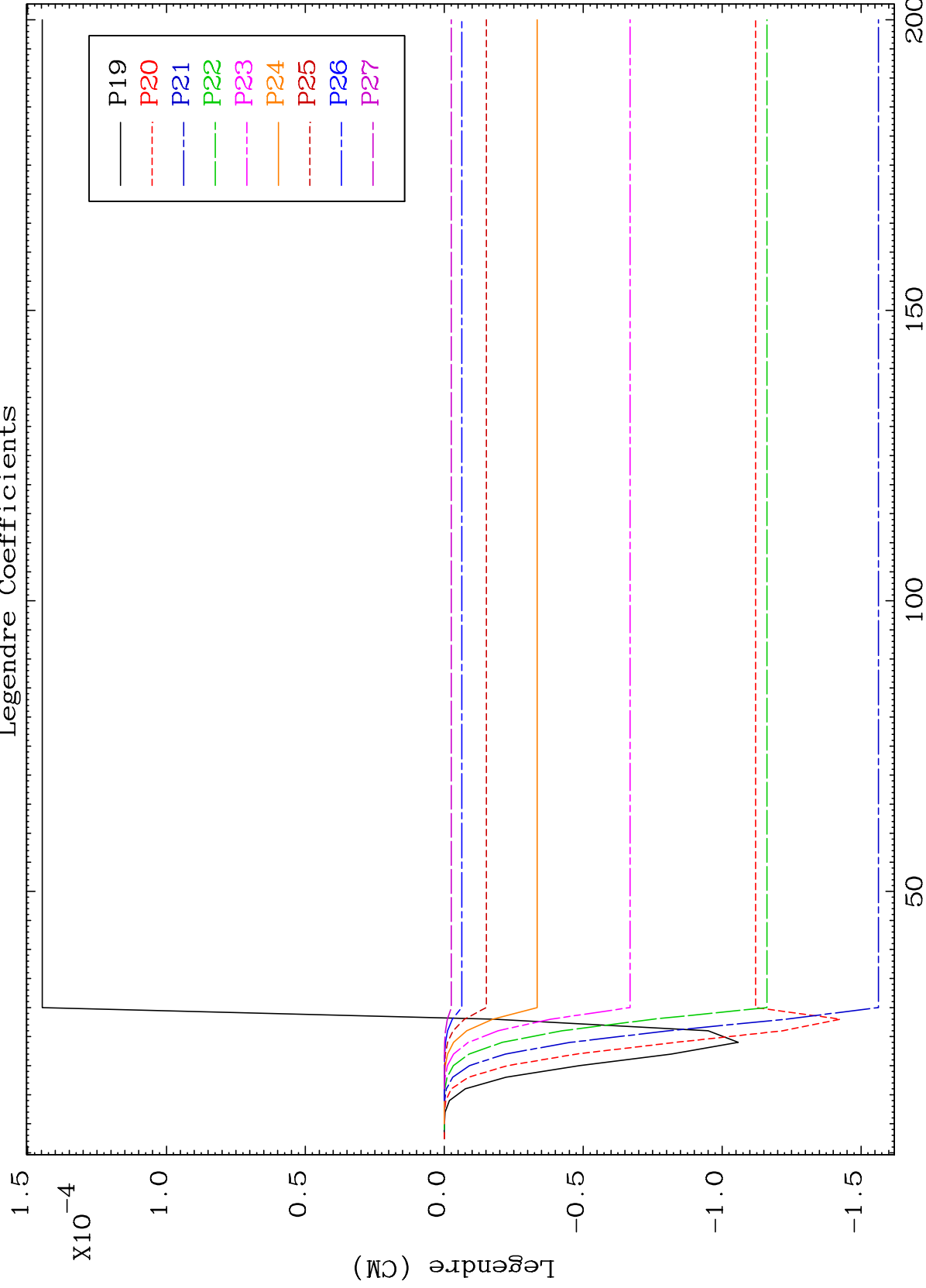
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



110

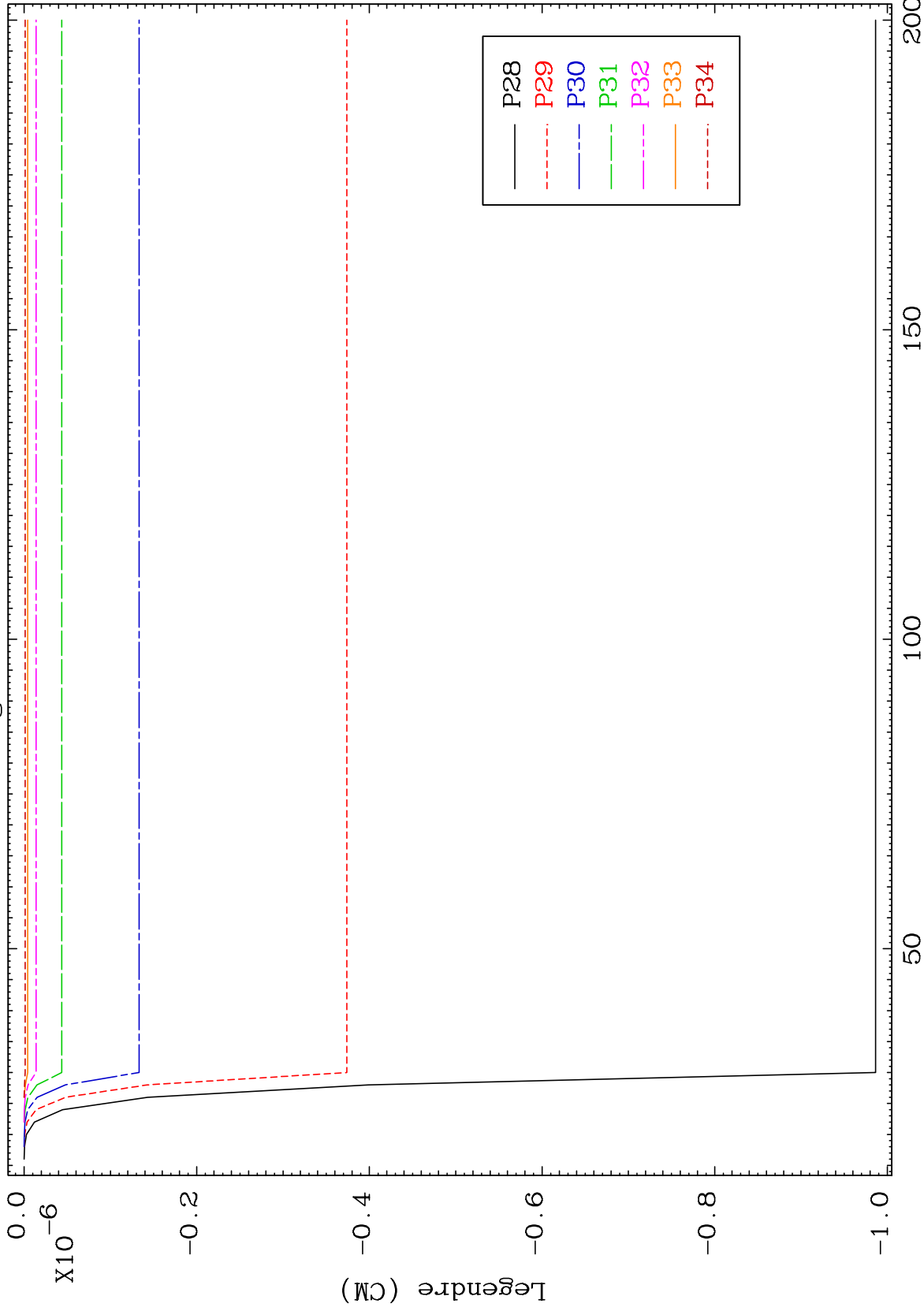
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



111

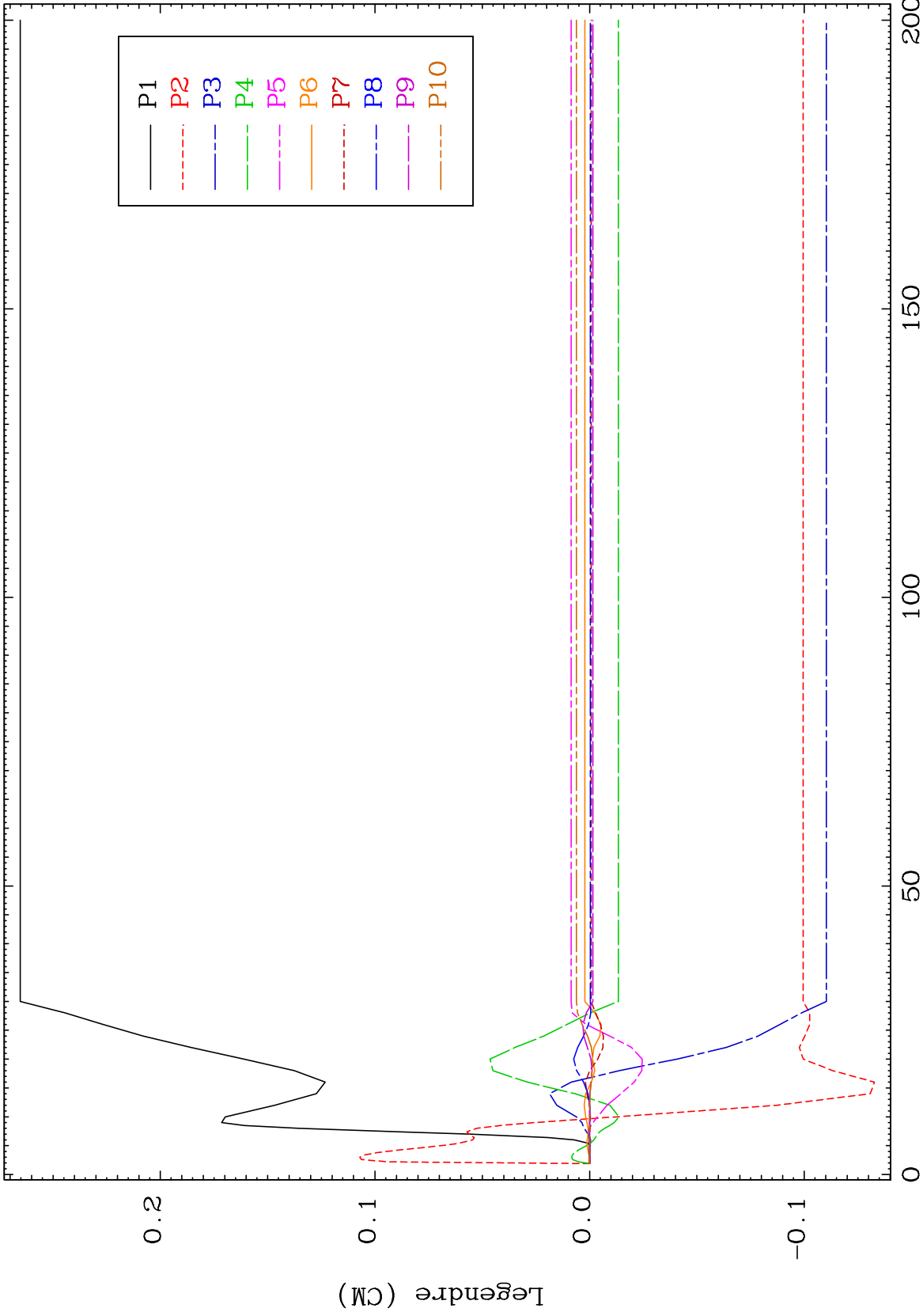
54-Xe-133



MAT 5452

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

54-Xe-133



112

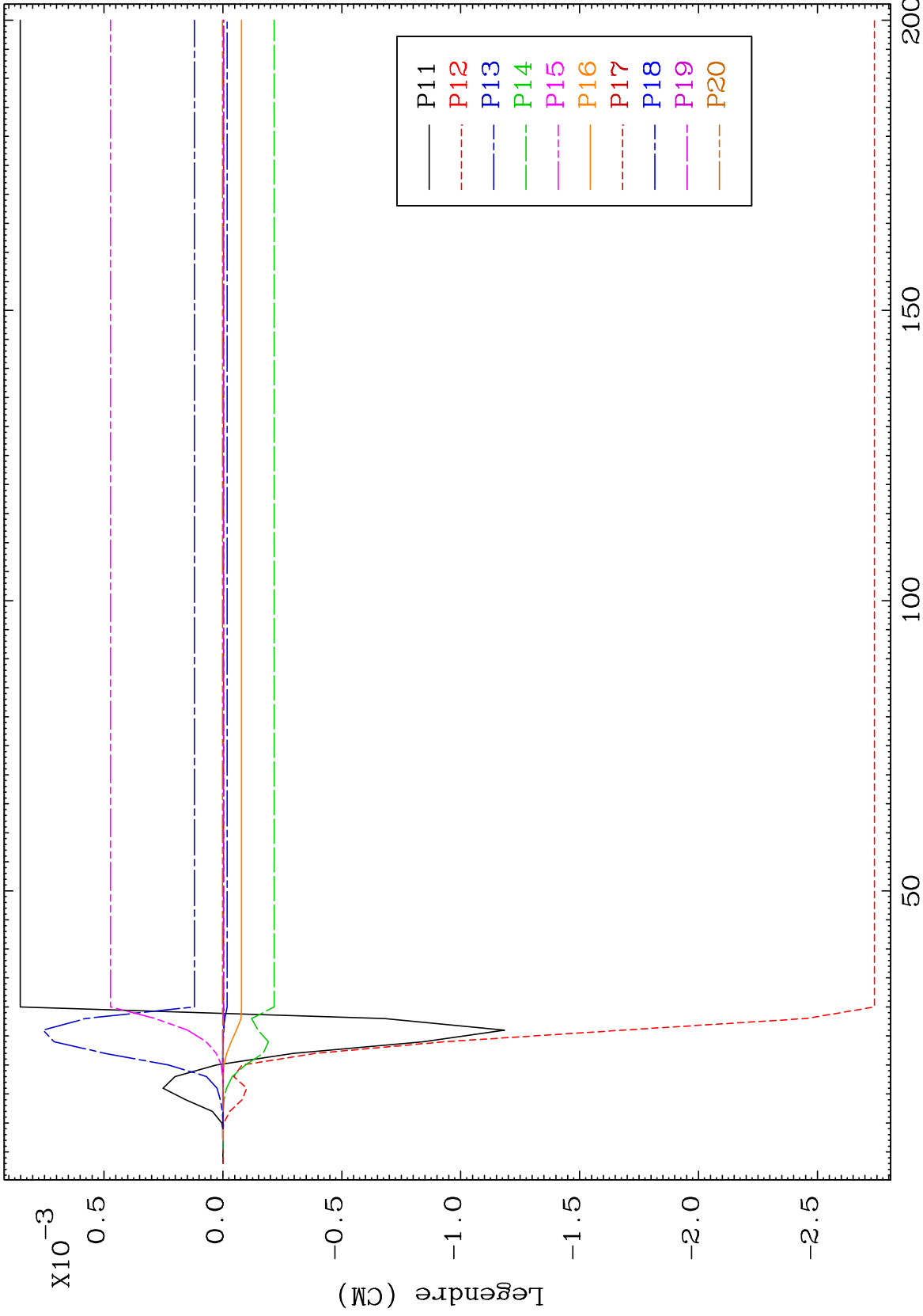
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



113

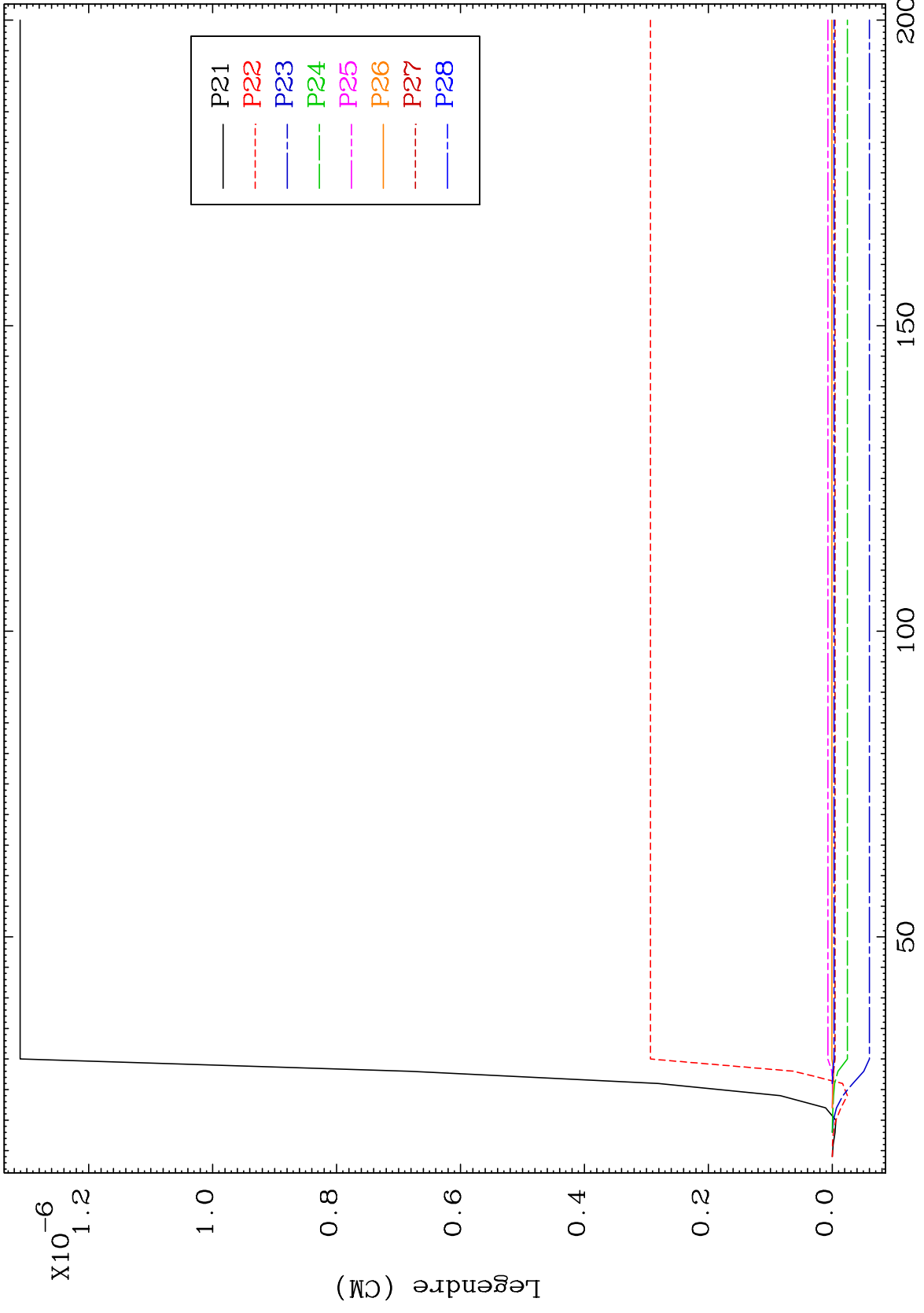
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



114

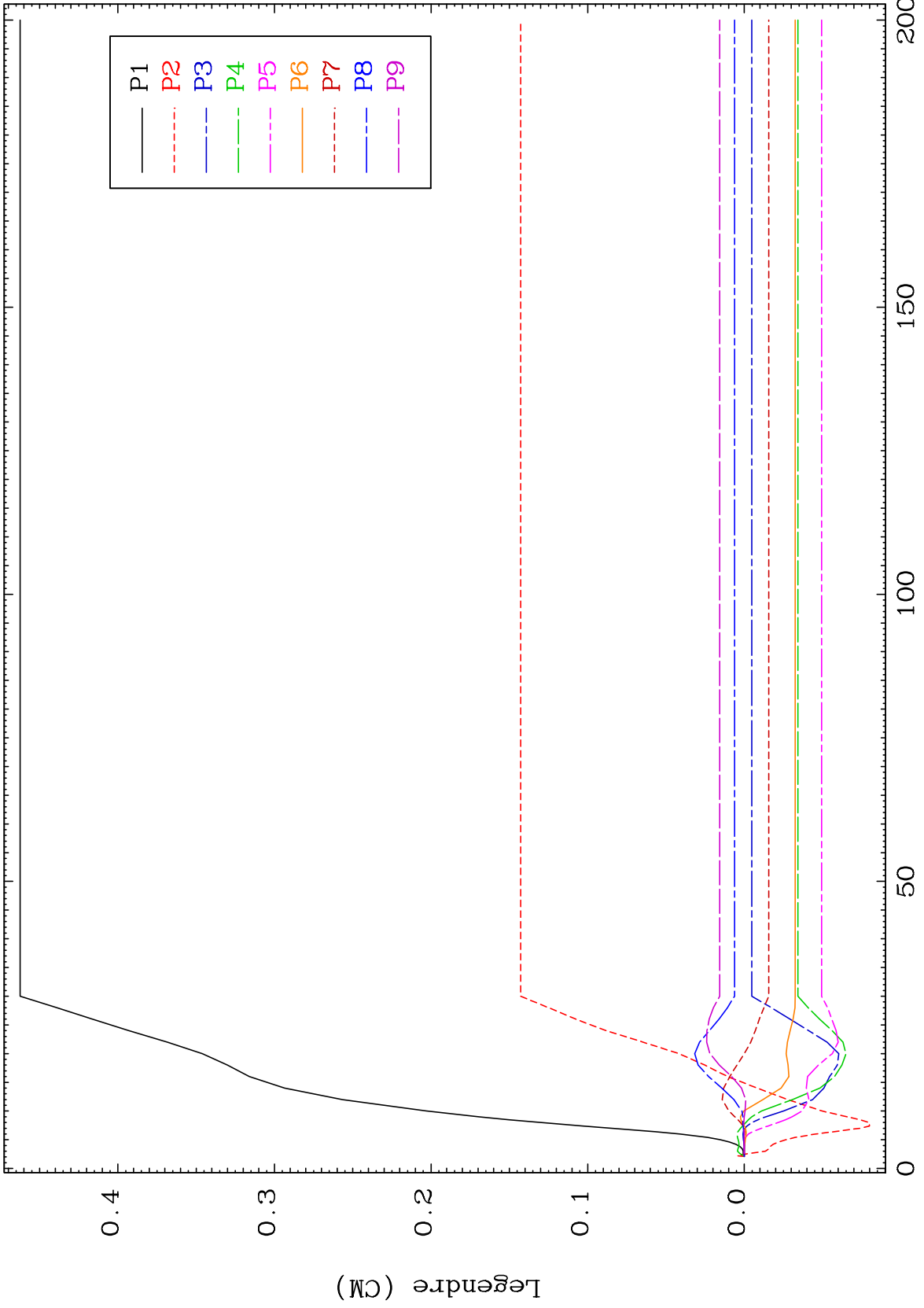
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



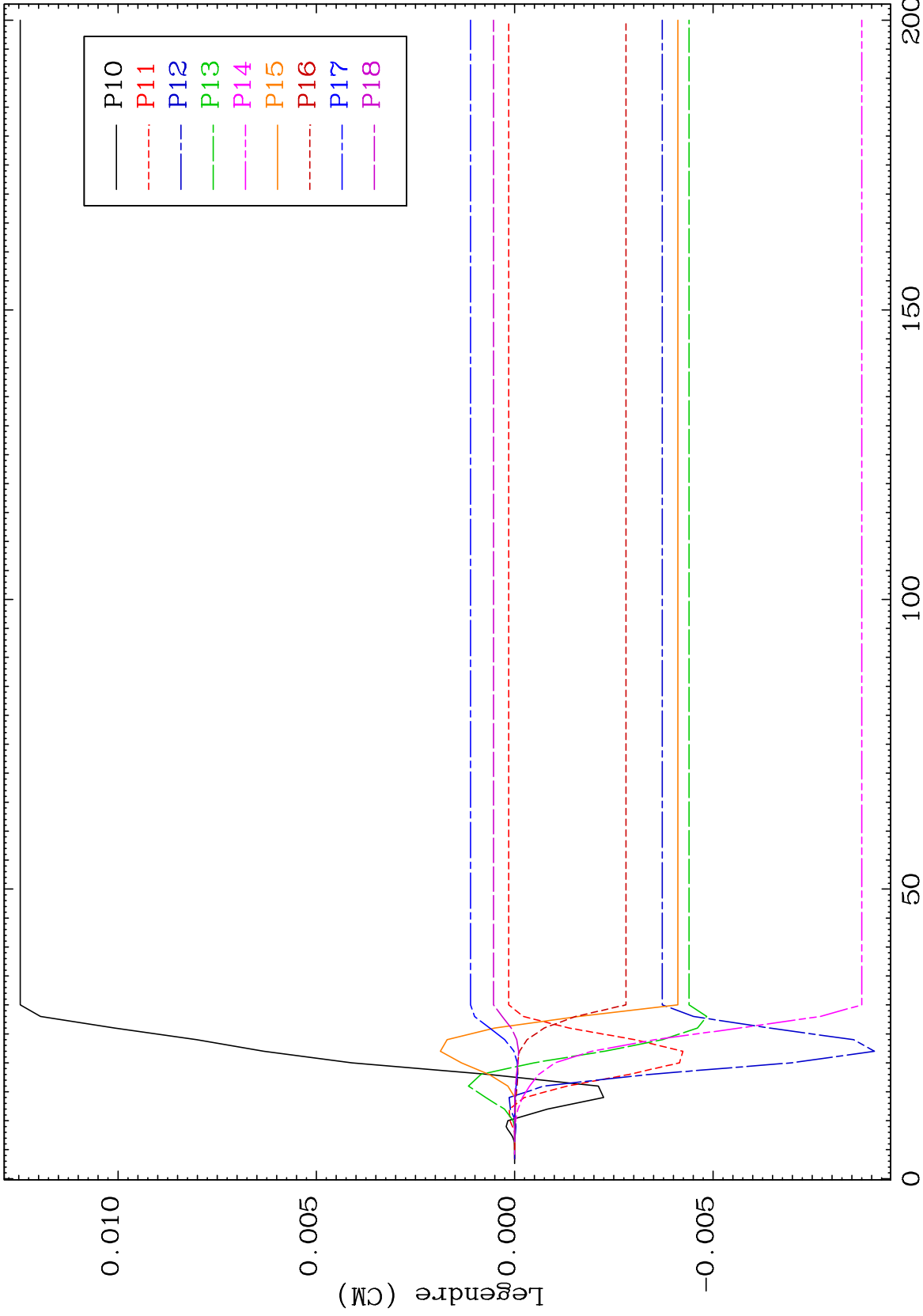
54-Xe-133

115

MAT 5452

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

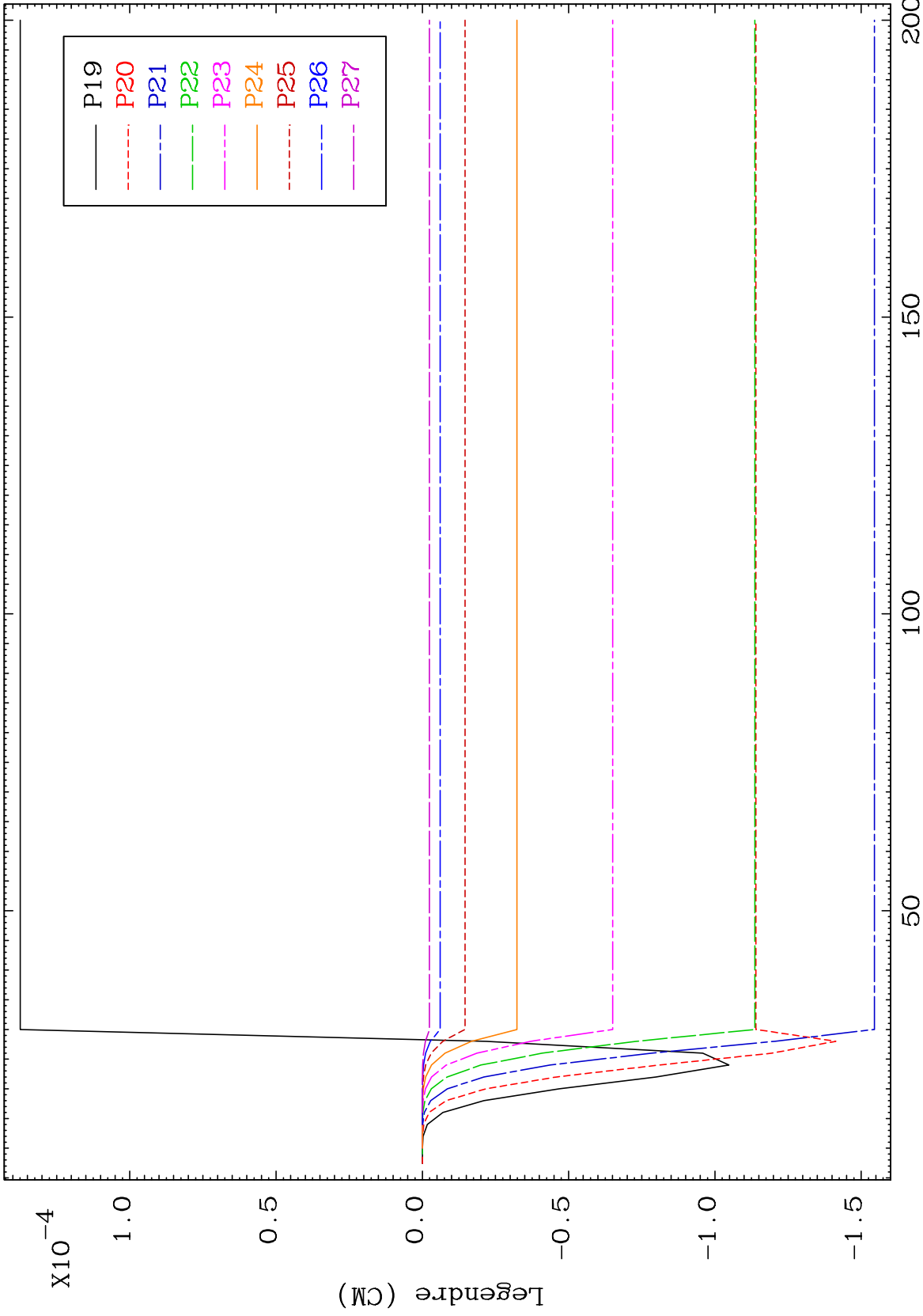
54-Xe-133



116

Incident Energy (MeV)

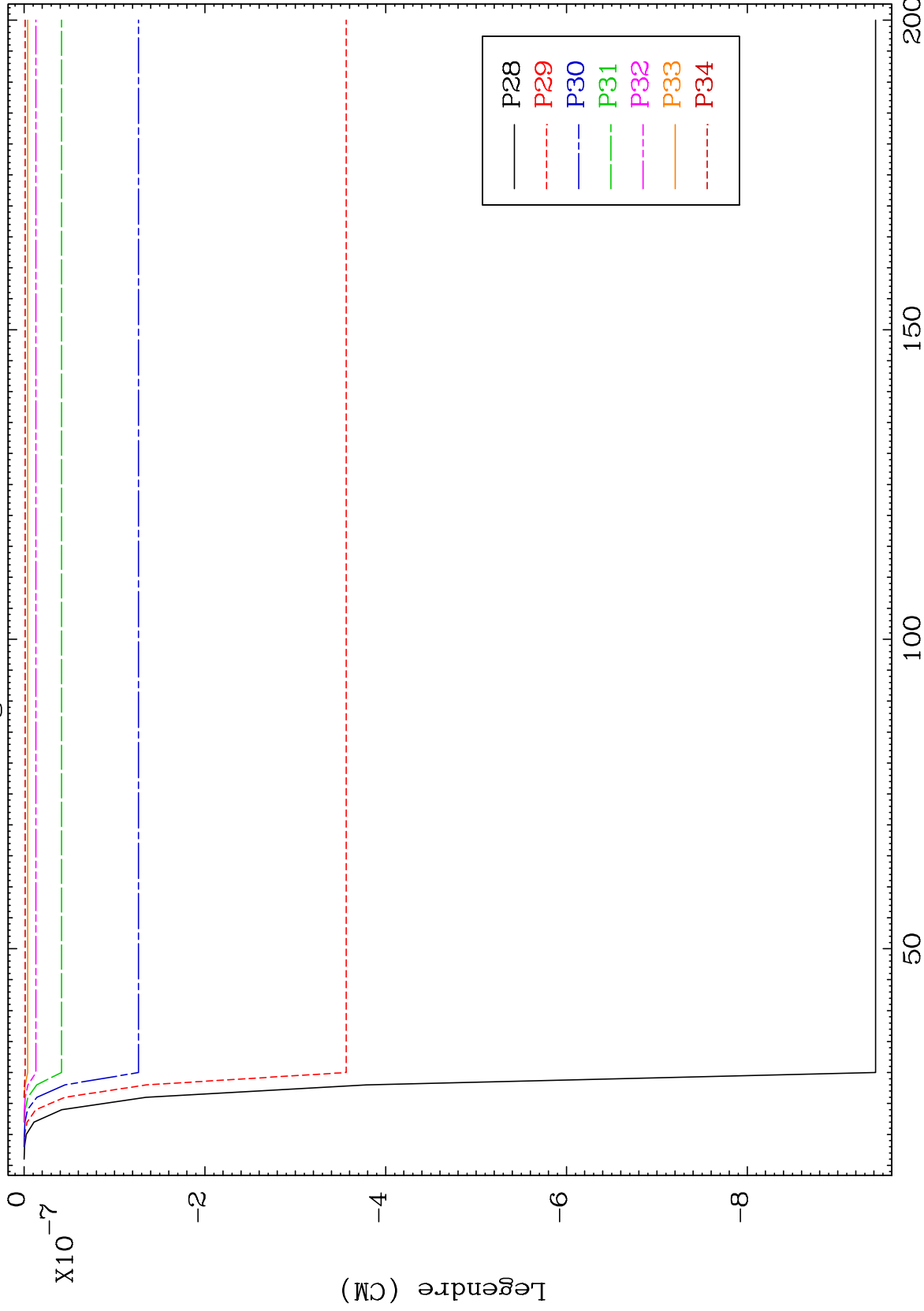
54-Xe-133



MAT 5452

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

54-Xe-133



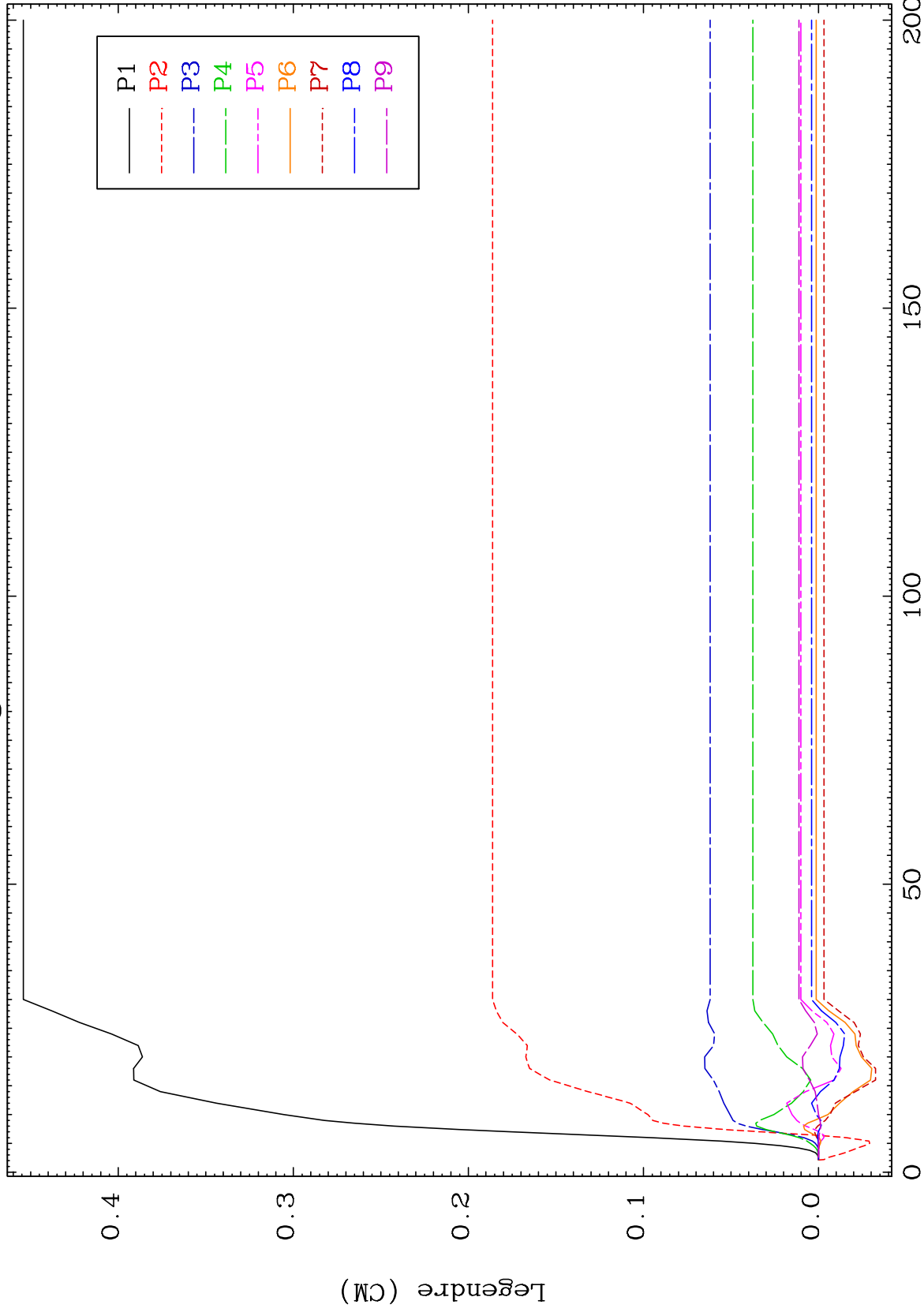
118

54-Xe-133

MAT 5452

MT= 76 (n,n') Level  
Legendre Coefficients

54-Xe-133



119

Incident Energy (MeV)

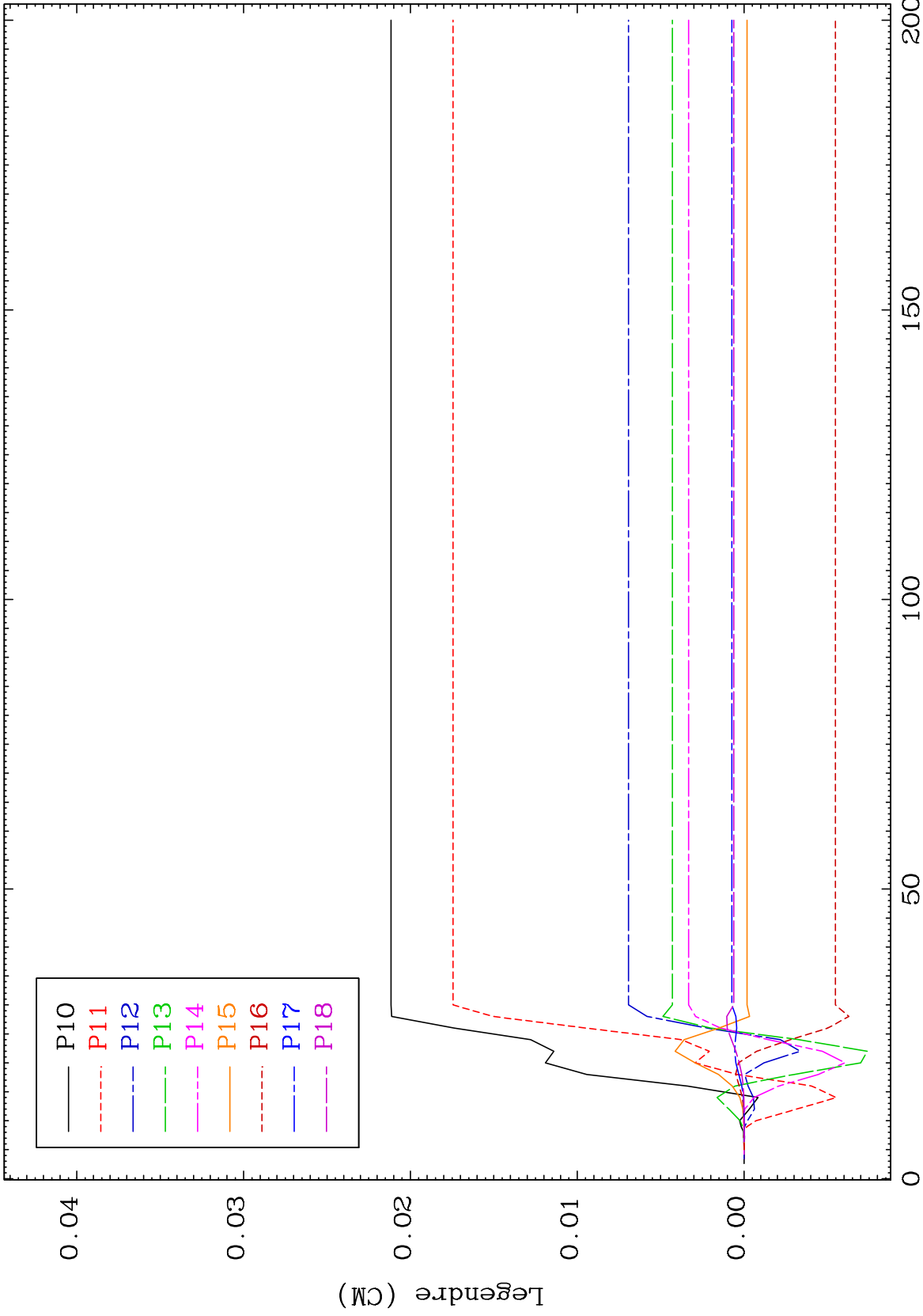
54-Xe-133



MAT 5452

MT= 76 (n,n') Level  
Legendre Coefficients

54-Xe-133



120

Incident Energy (MeV)

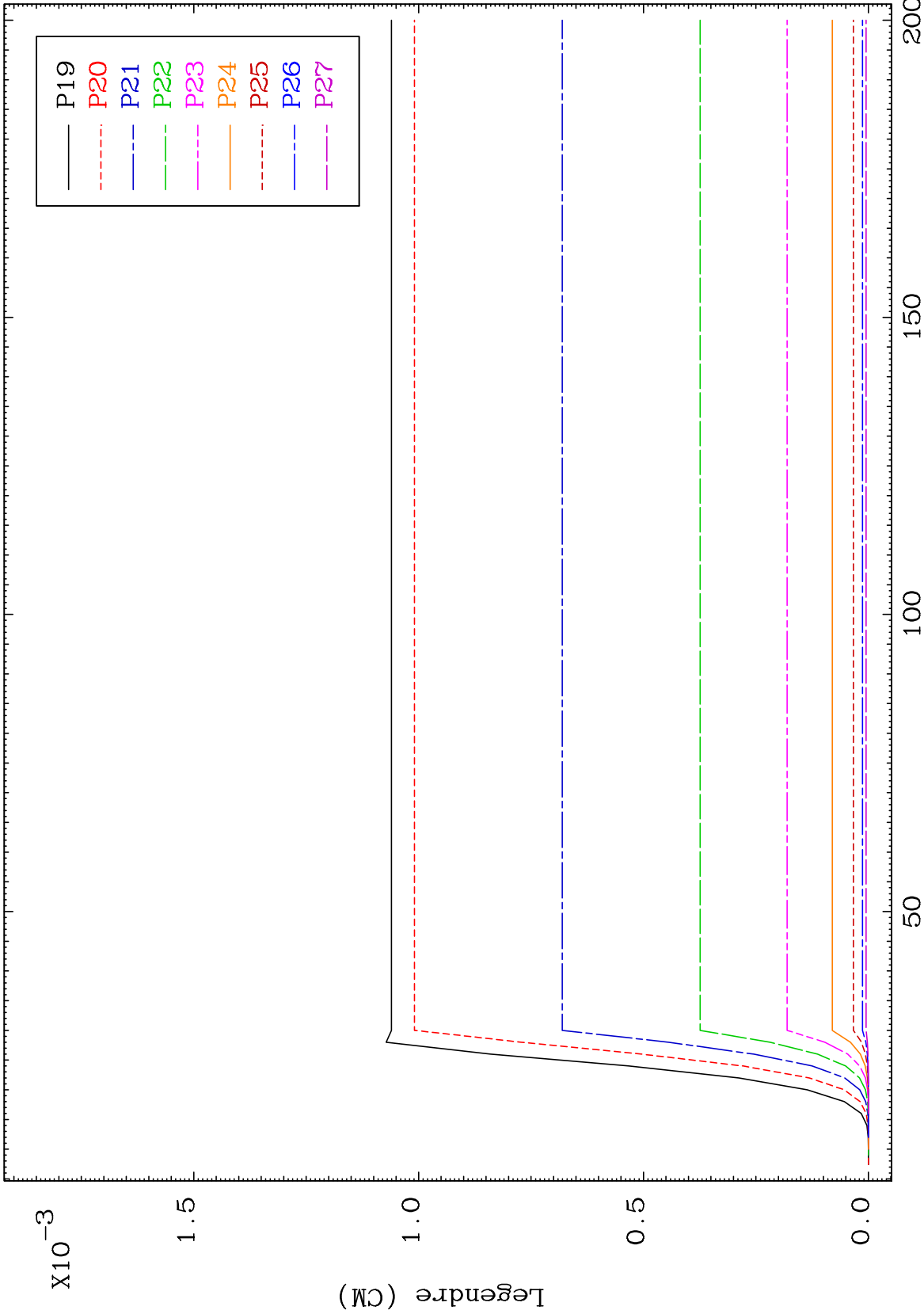
150

54-Xe-133

MAT 5452

MT= 76 (n,n') Level  
Legendre Coefficients

54-Xe-133



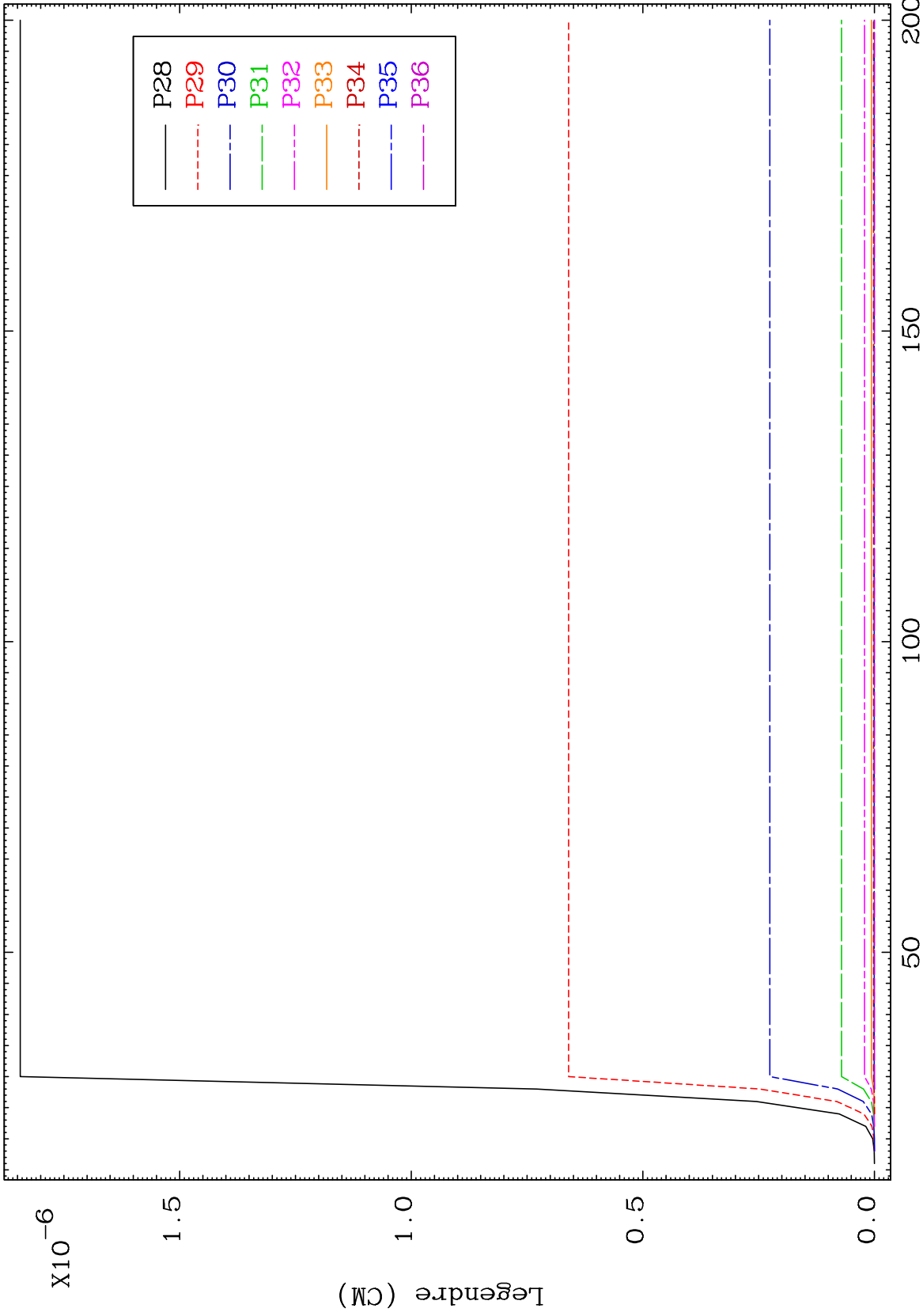
121

54-Xe-133

MAT 5452

MT= 76 (n,n') Level  
Legendre Coefficients

54-Xe-133



122

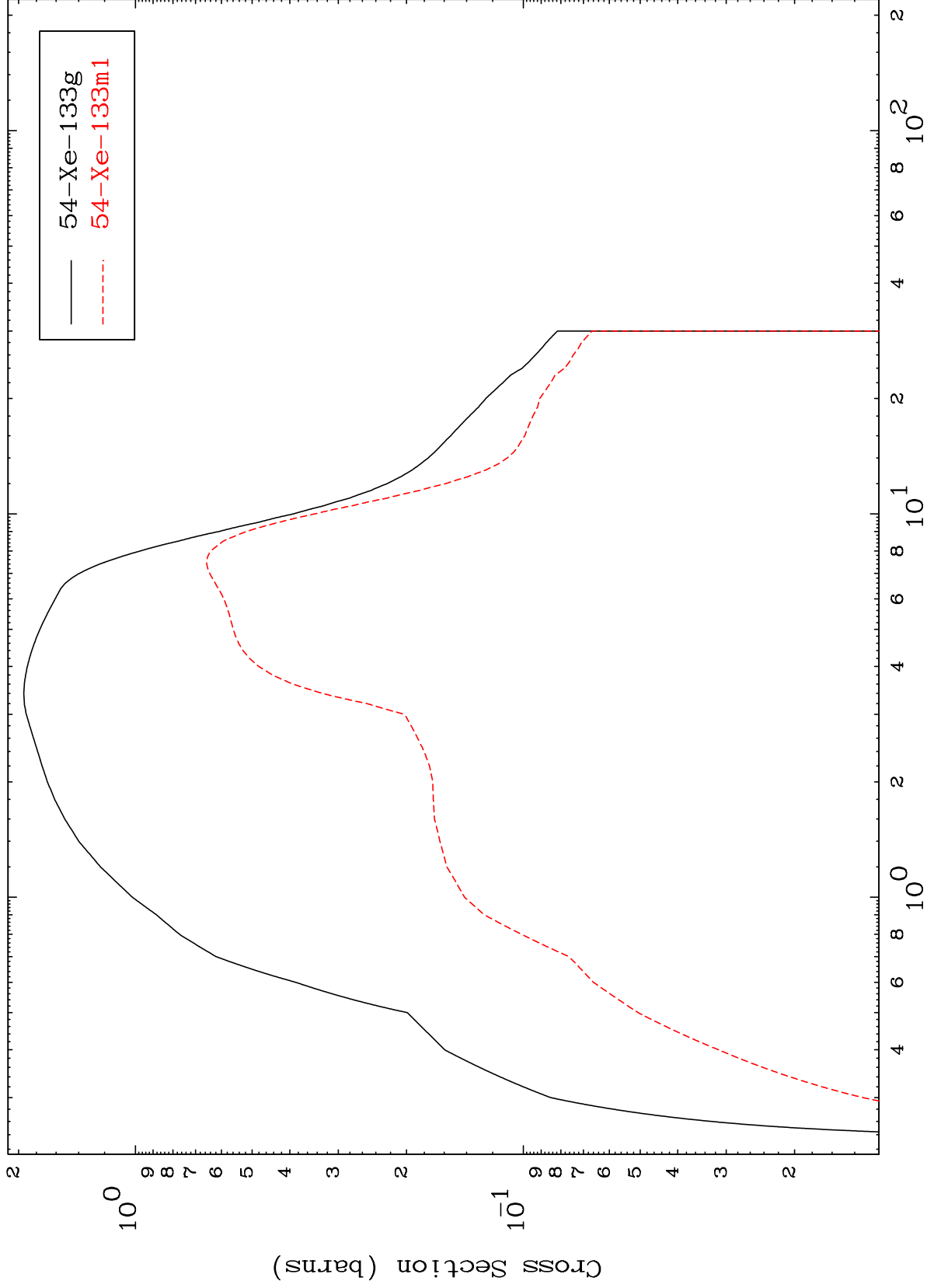
Incident Energy (MeV)

54-Xe-133

MAT 5452

# Inelastic Radionuclide Production Cross Section

54-Xe-133



123

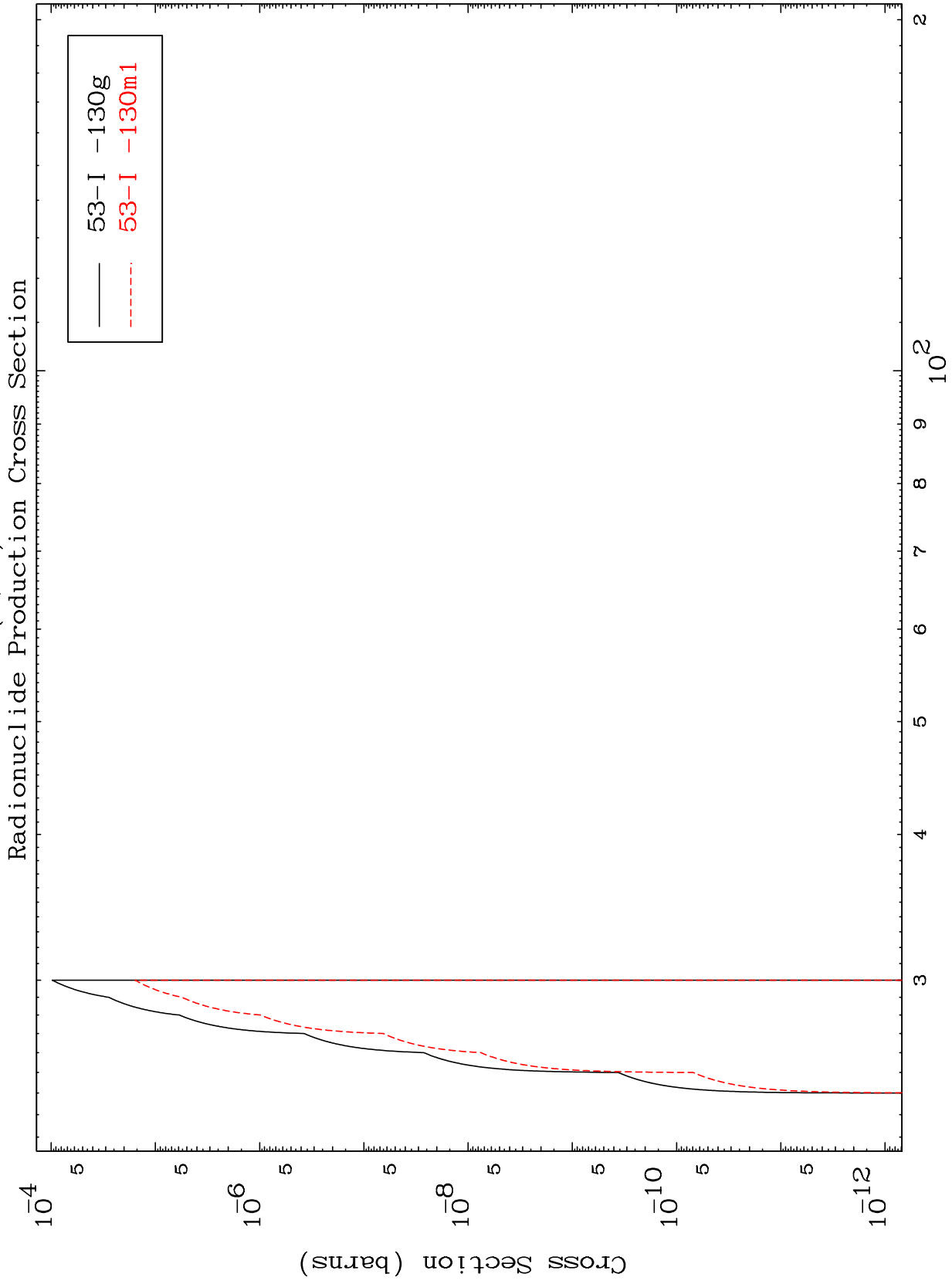
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,2n) d

54-Xe-133



124

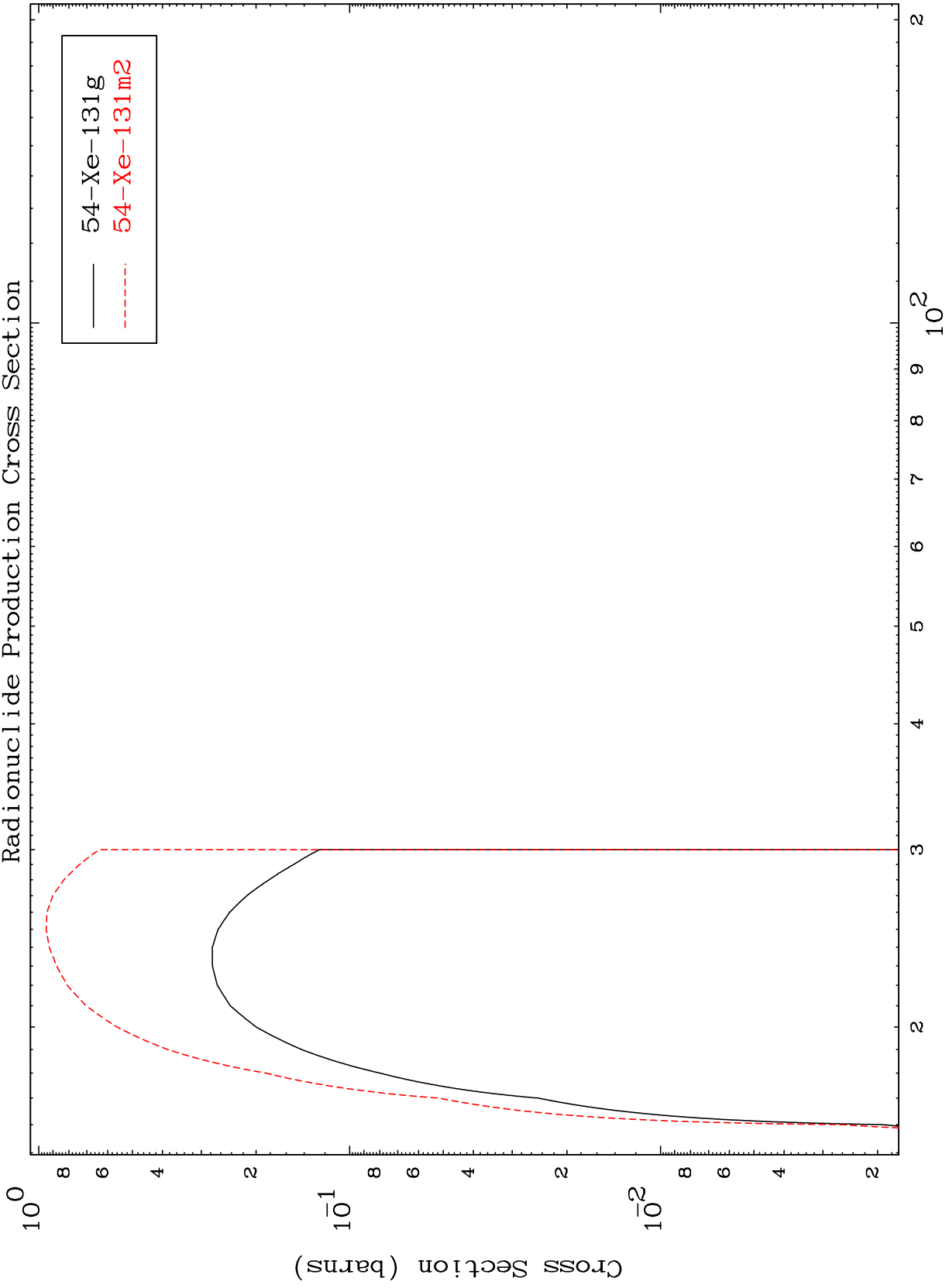
Incident Energy (MeV)

54-Xe-133

MAT 5452

54-Xe-133

(n,3n)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

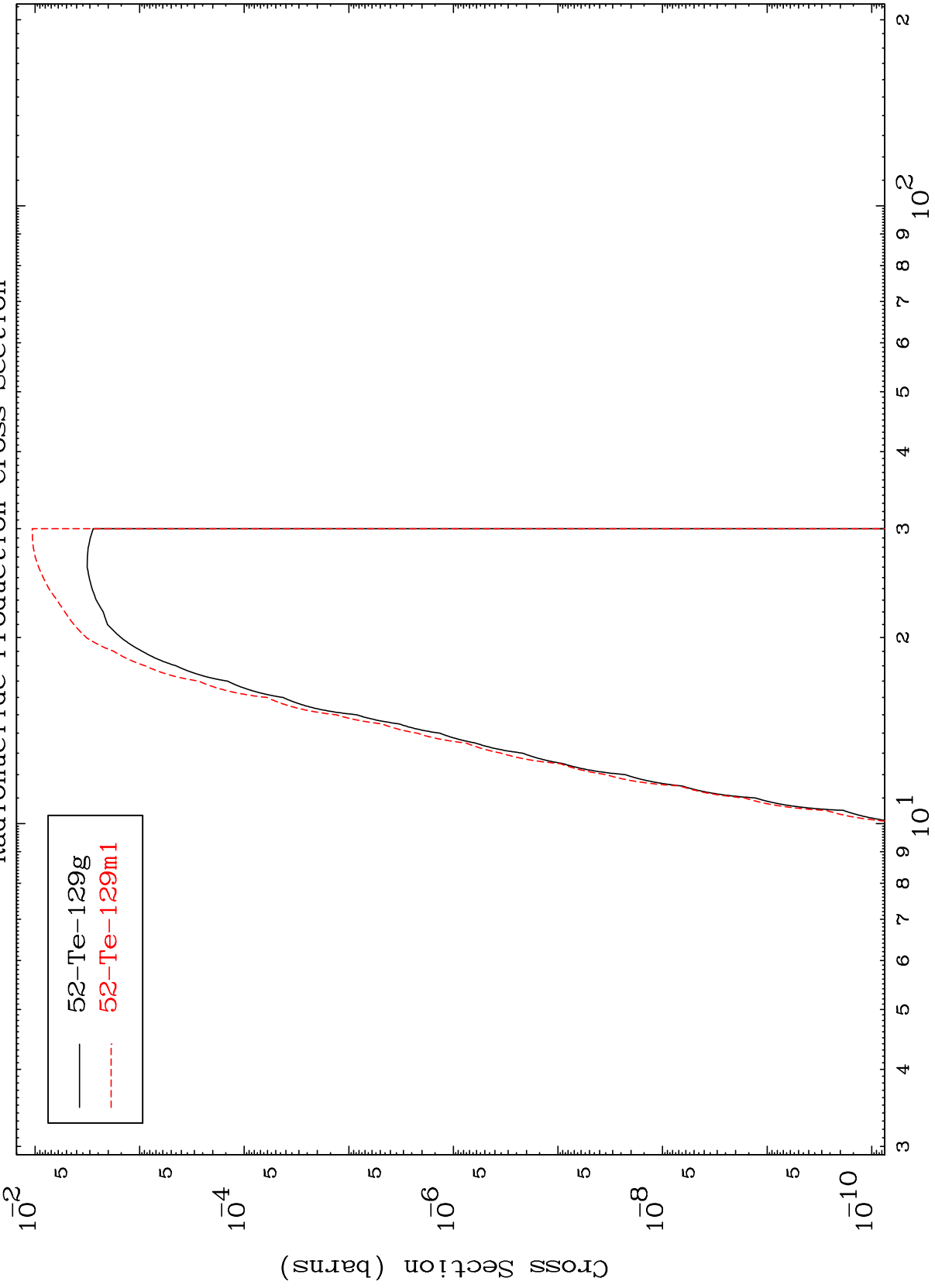
54-Xe-133

MAT 5452

(n,n')  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



126

Incident Energy (MeV)

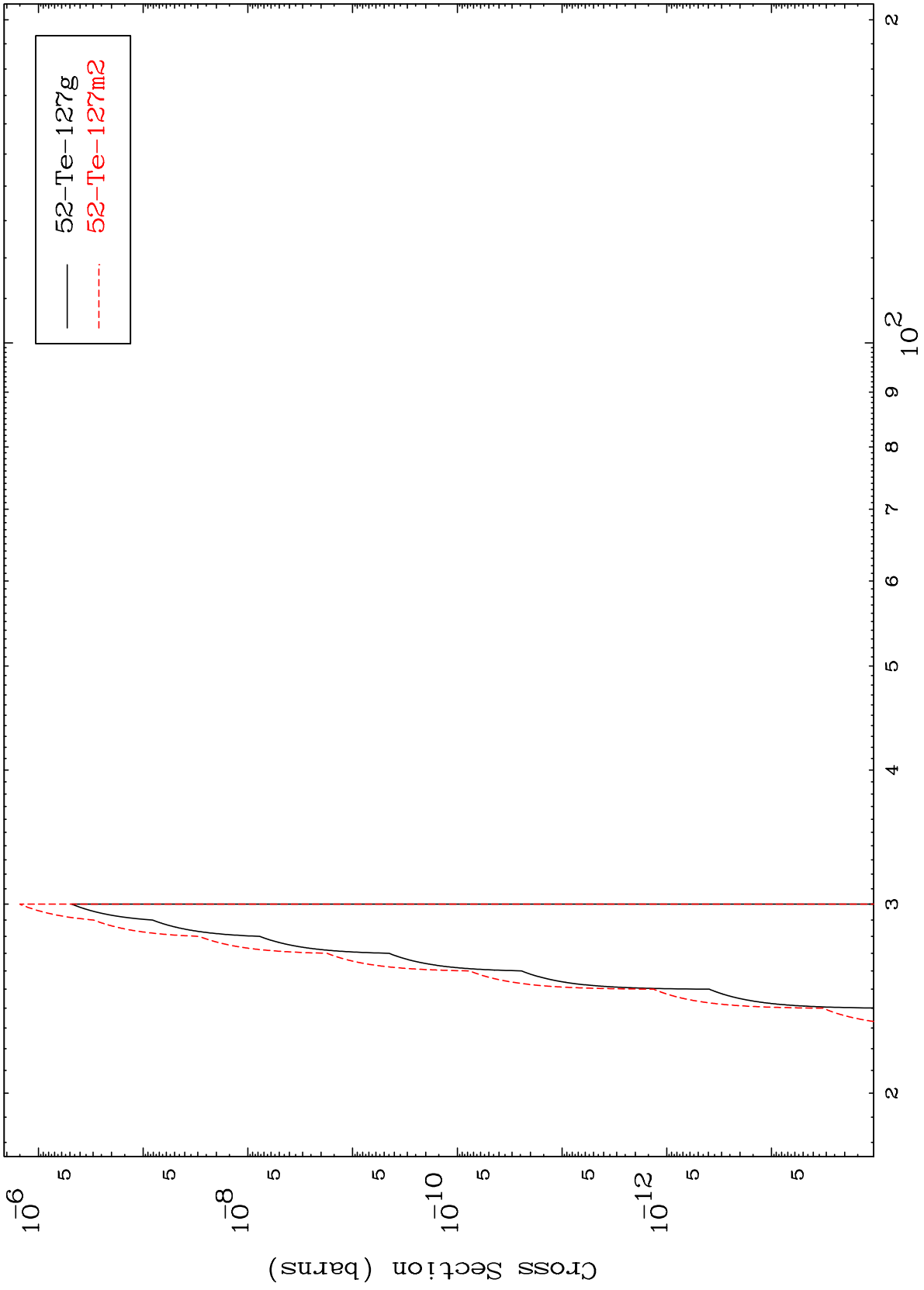
54-Xe-133

MAT 5452

(n,3n)  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-133

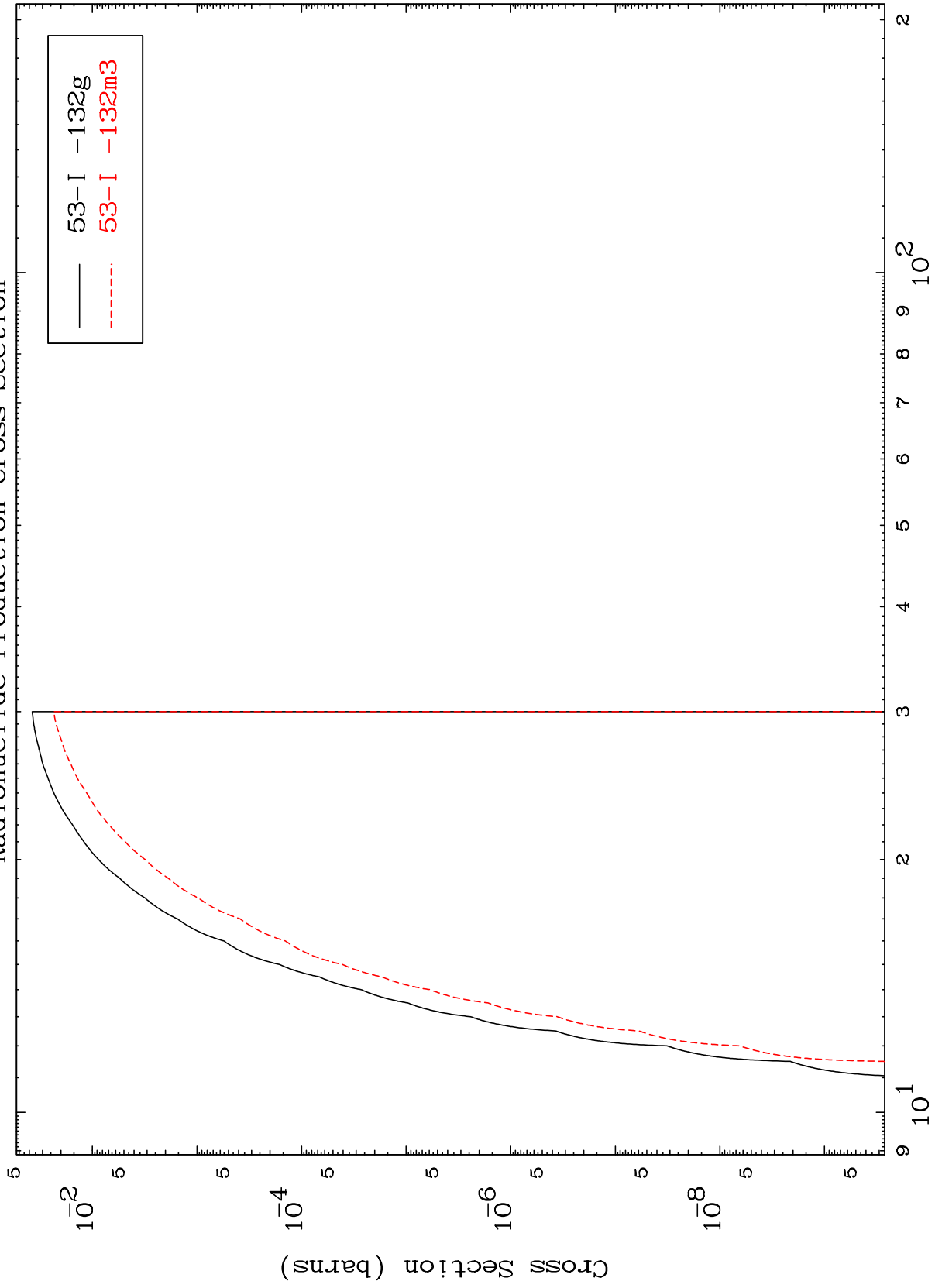


MAT 5452

(n,n') p

54-Xe-133

Radionuclide Production Cross Section

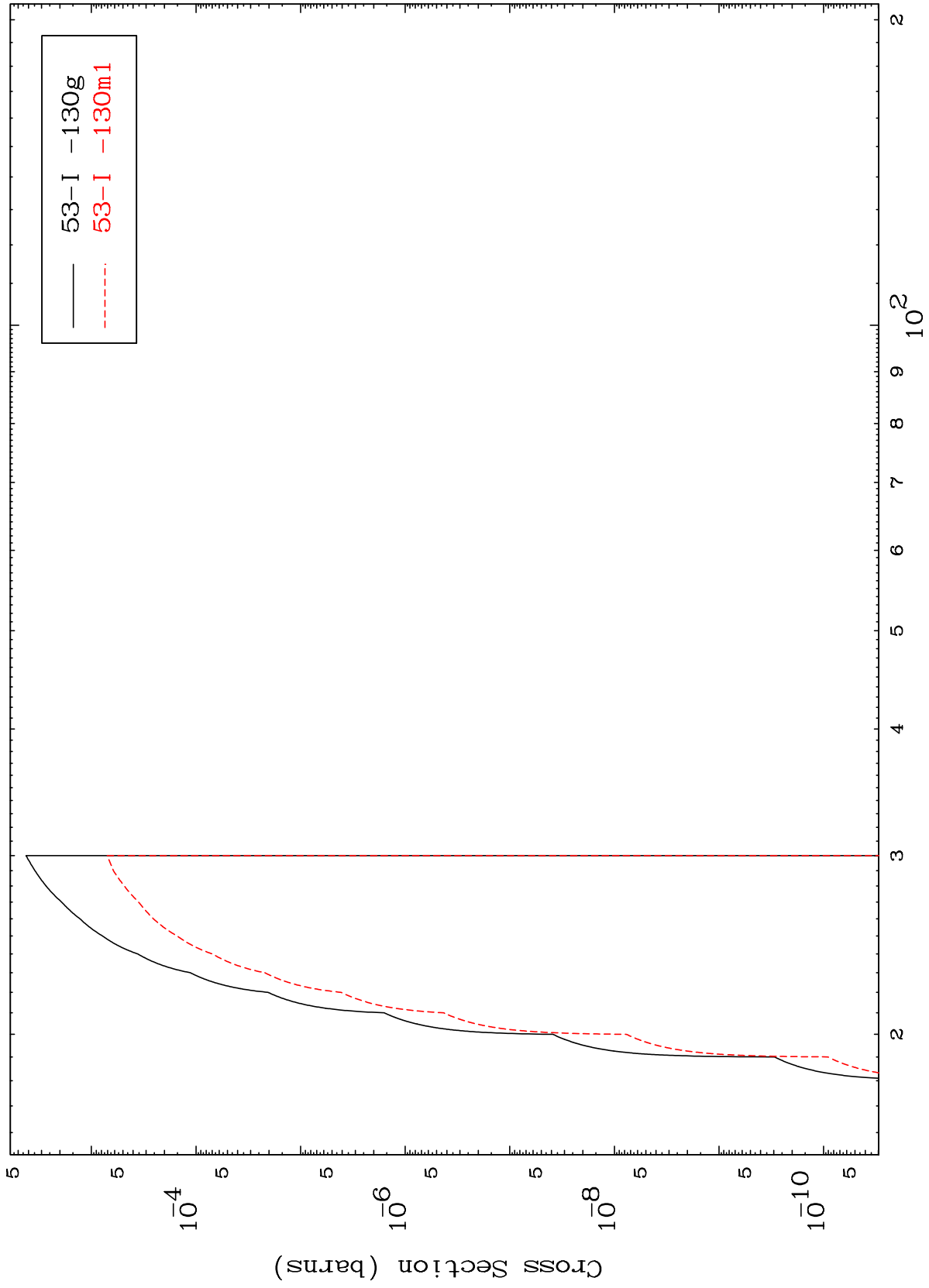


128

Incident Energy (MeV)

54-Xe-133

Radionuclide Production Cross Section

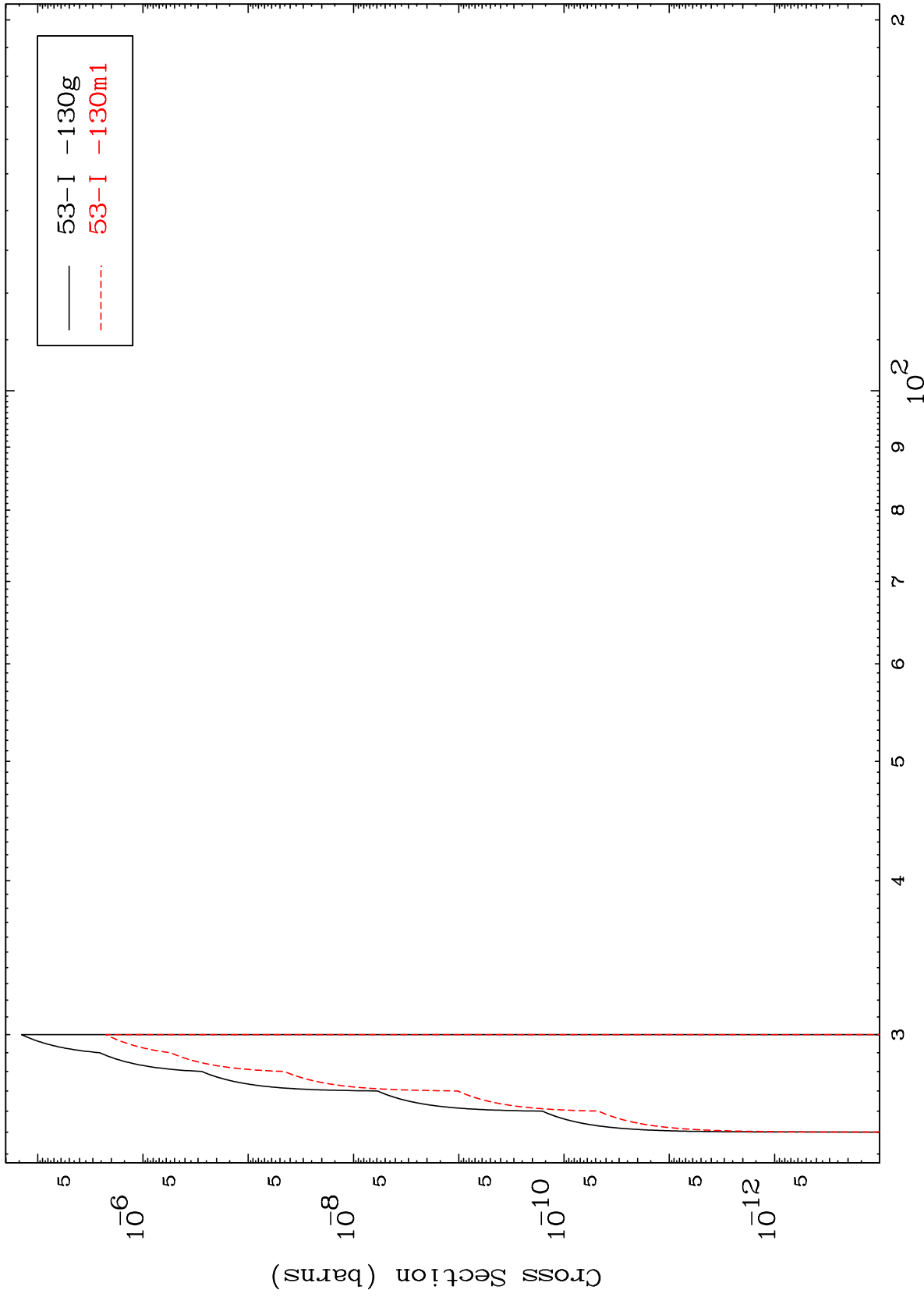


MAT 5452

(n,3n) p

54-Xe-133

Radionuclide Production Cross Section



130

Incident Energy (MeV)

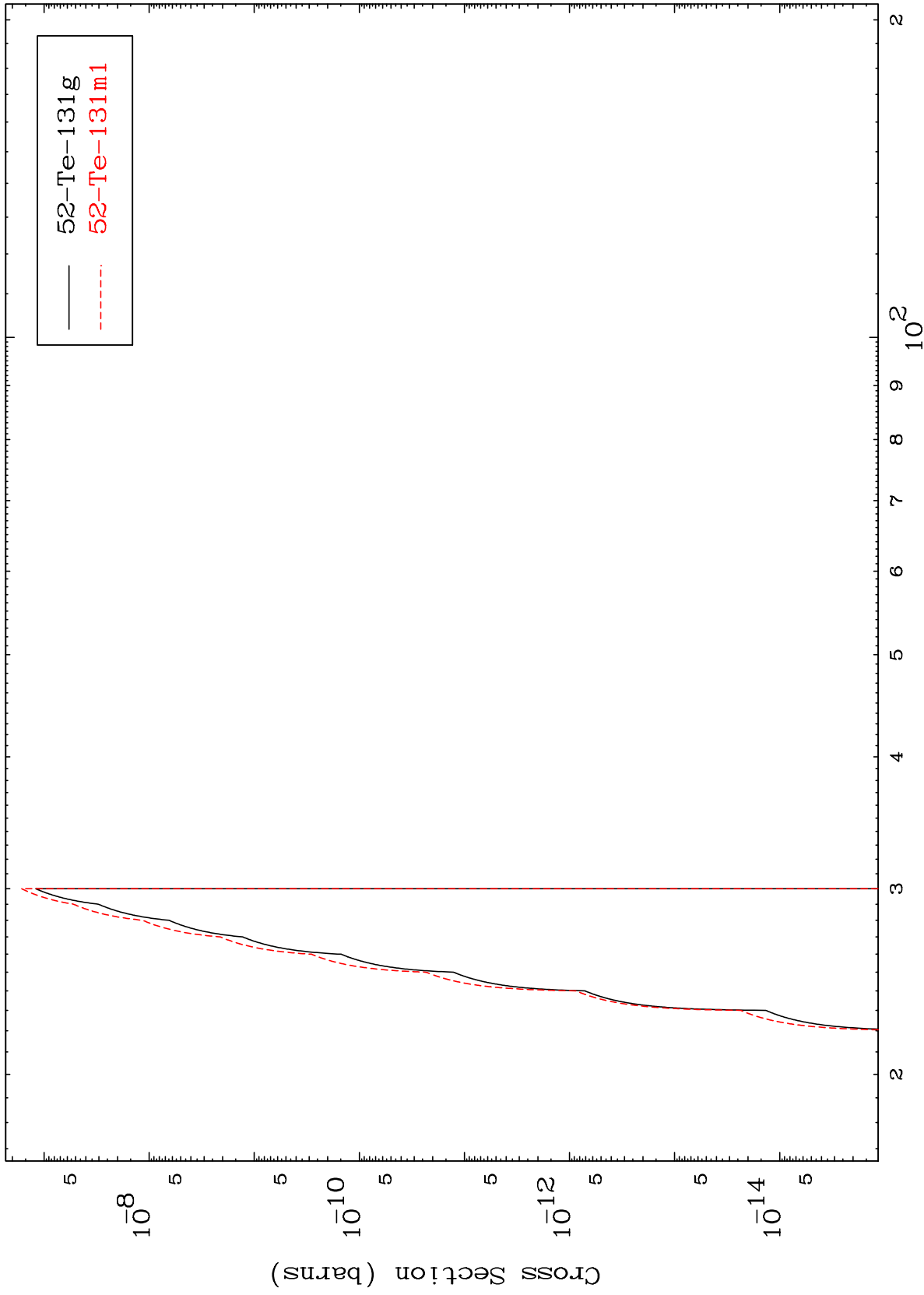
54-Xe-133

MAT 5452

(n,2n) p

54-Xe-133

Radionuclide Production Cross Section



131

Incident Energy (MeV)

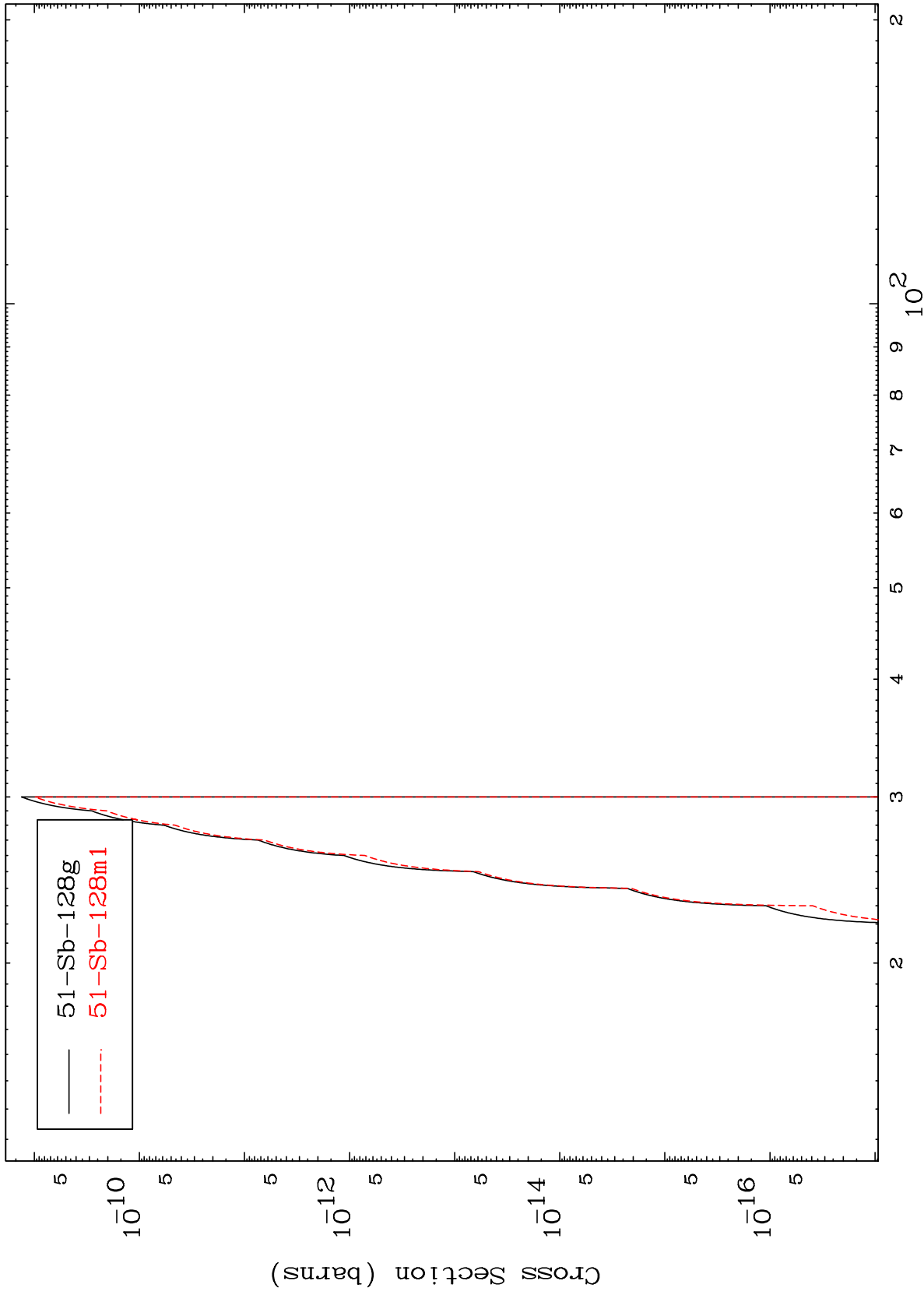
54-Xe-133

MAT 5452

(n,n') p  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



132

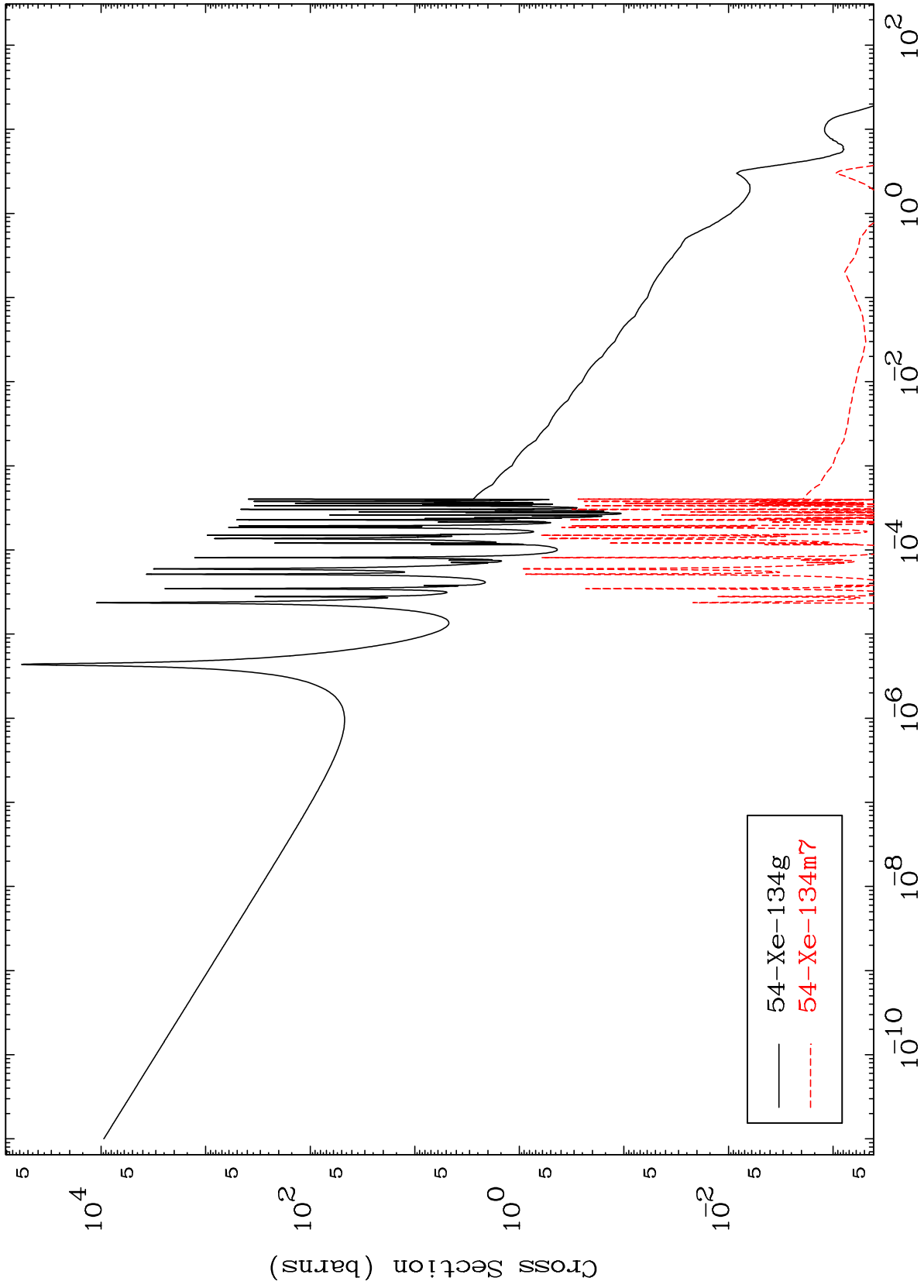
Incident Energy (MeV)

54-Xe-133

MAT 5452

54-Xe-133

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



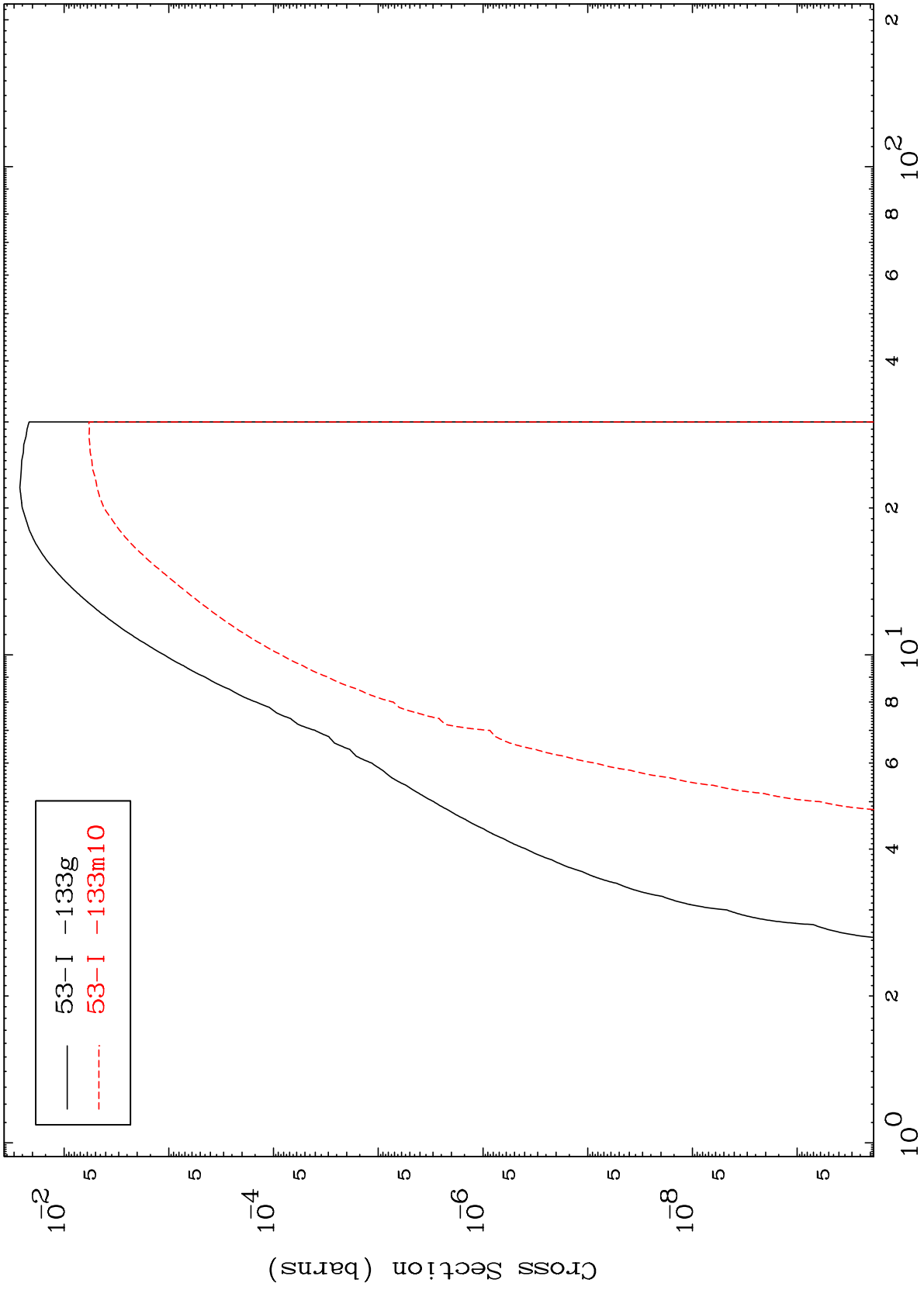
133

54-Xe-133

MAT 5452

54-Xe-133

(n,p)  
Radionuclide Production Cross Section



134

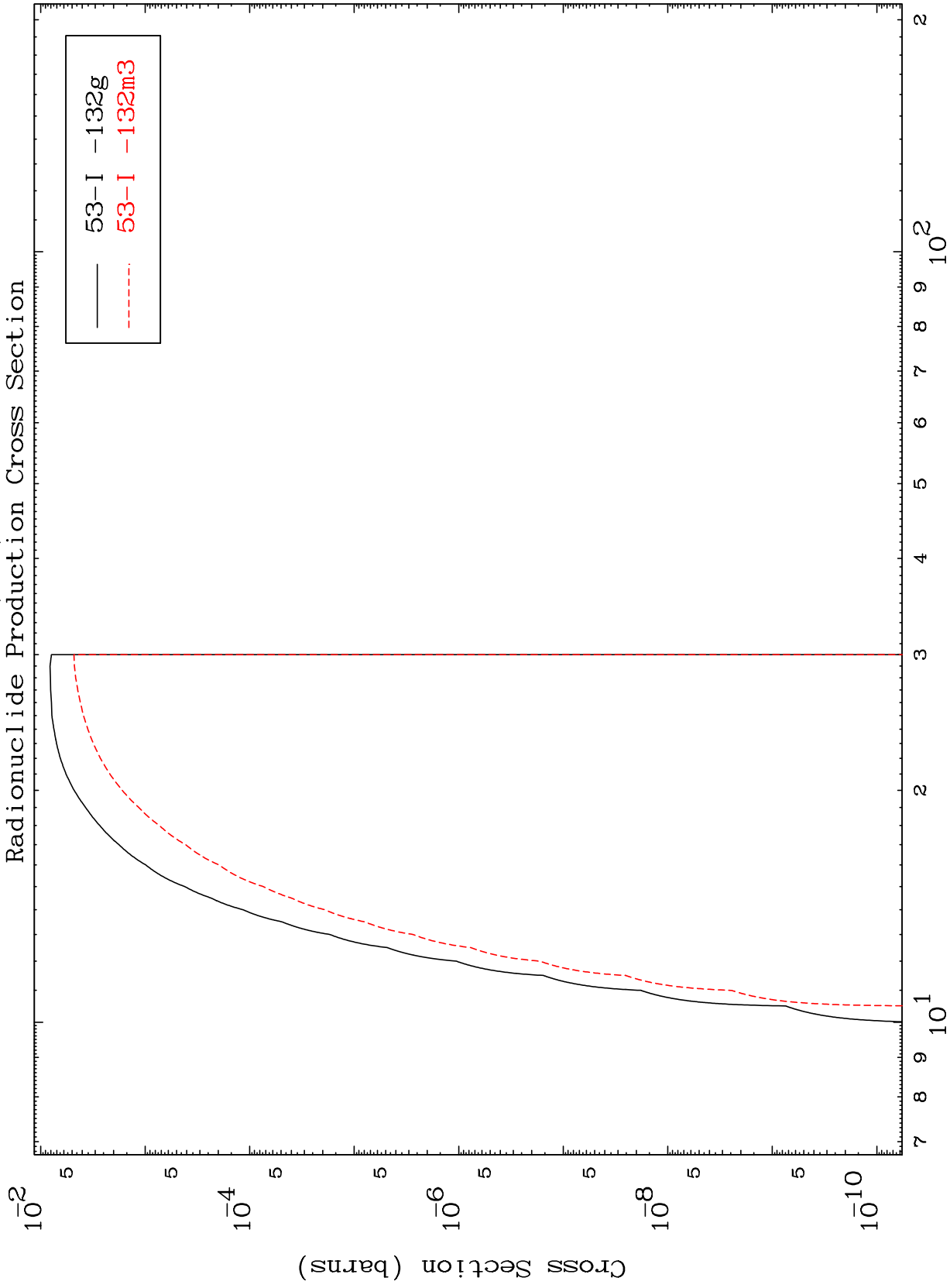
Incident Energy (MeV)

54-Xe-133

MAT 5452

54-Xe-133

(n,d)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

54-Xe-133

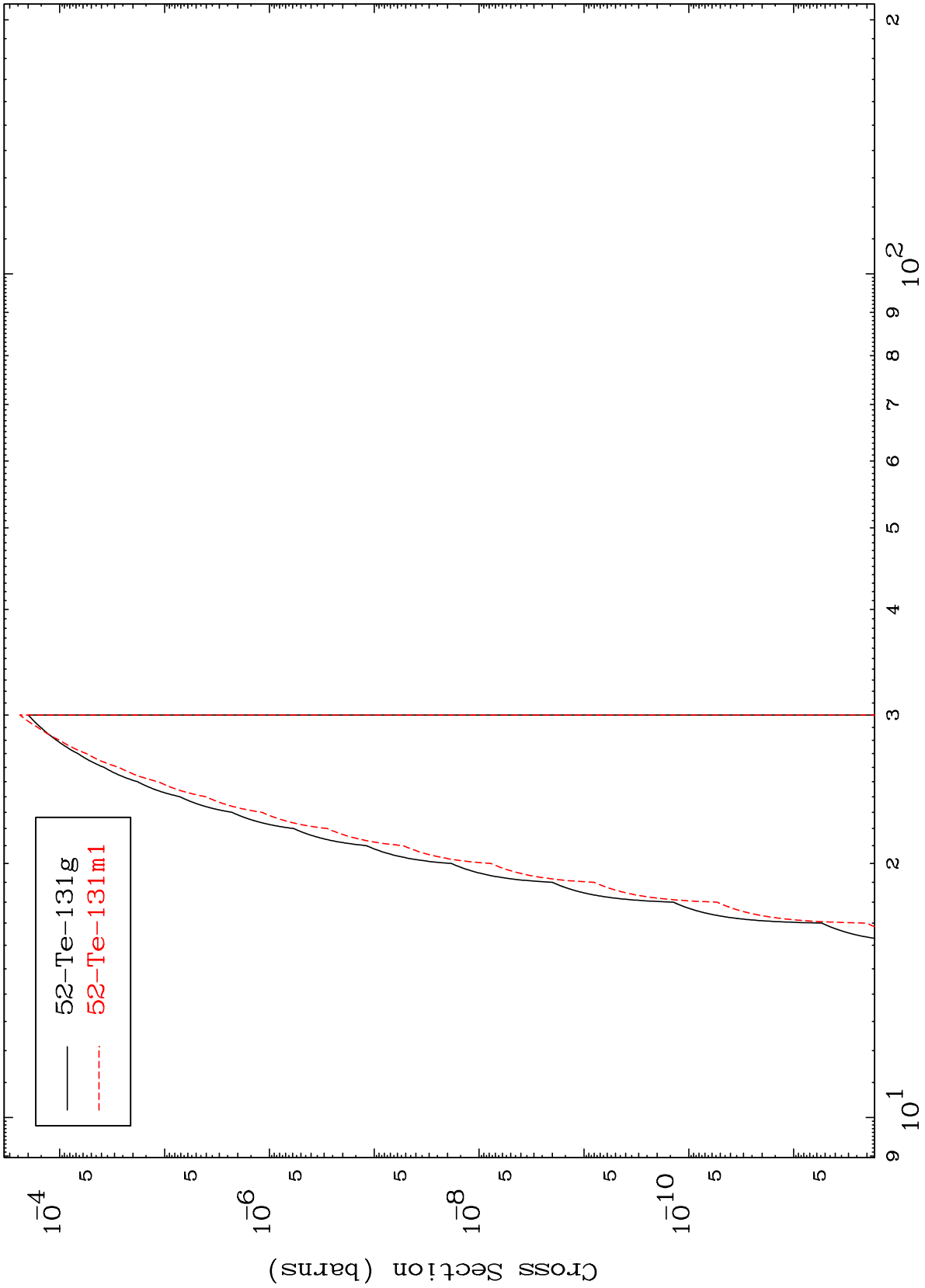


MAT 5452

(n, He-3)

54-Xe-133

Radionuclide Production Cross Section



136

Incident Energy (MeV)

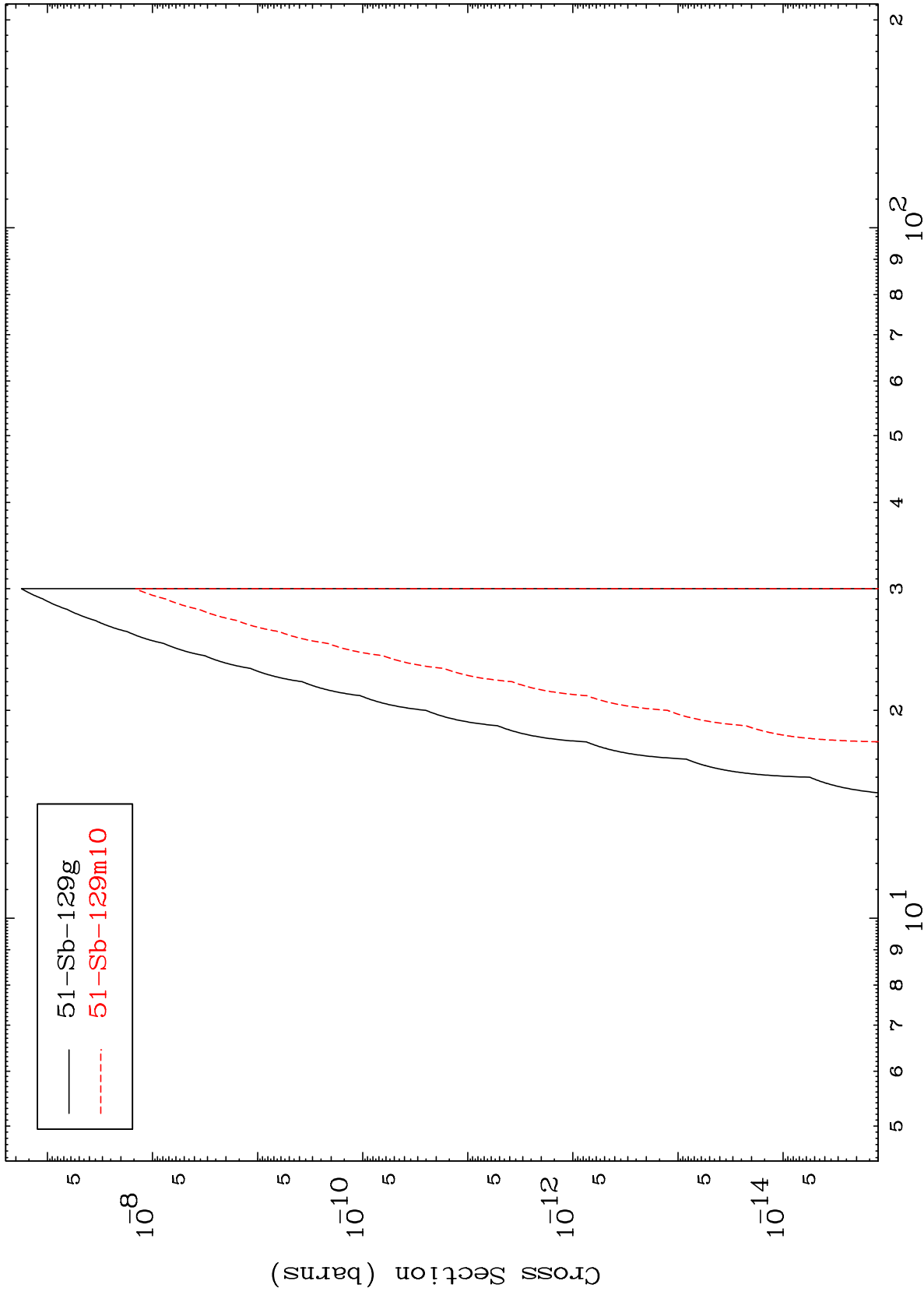
54-Xe-133

MAT 5452

(n,p)  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



137

Incident Energy (MeV)

54-Xe-133

