

Program EVALPLOT
(Version 2017-1)

by

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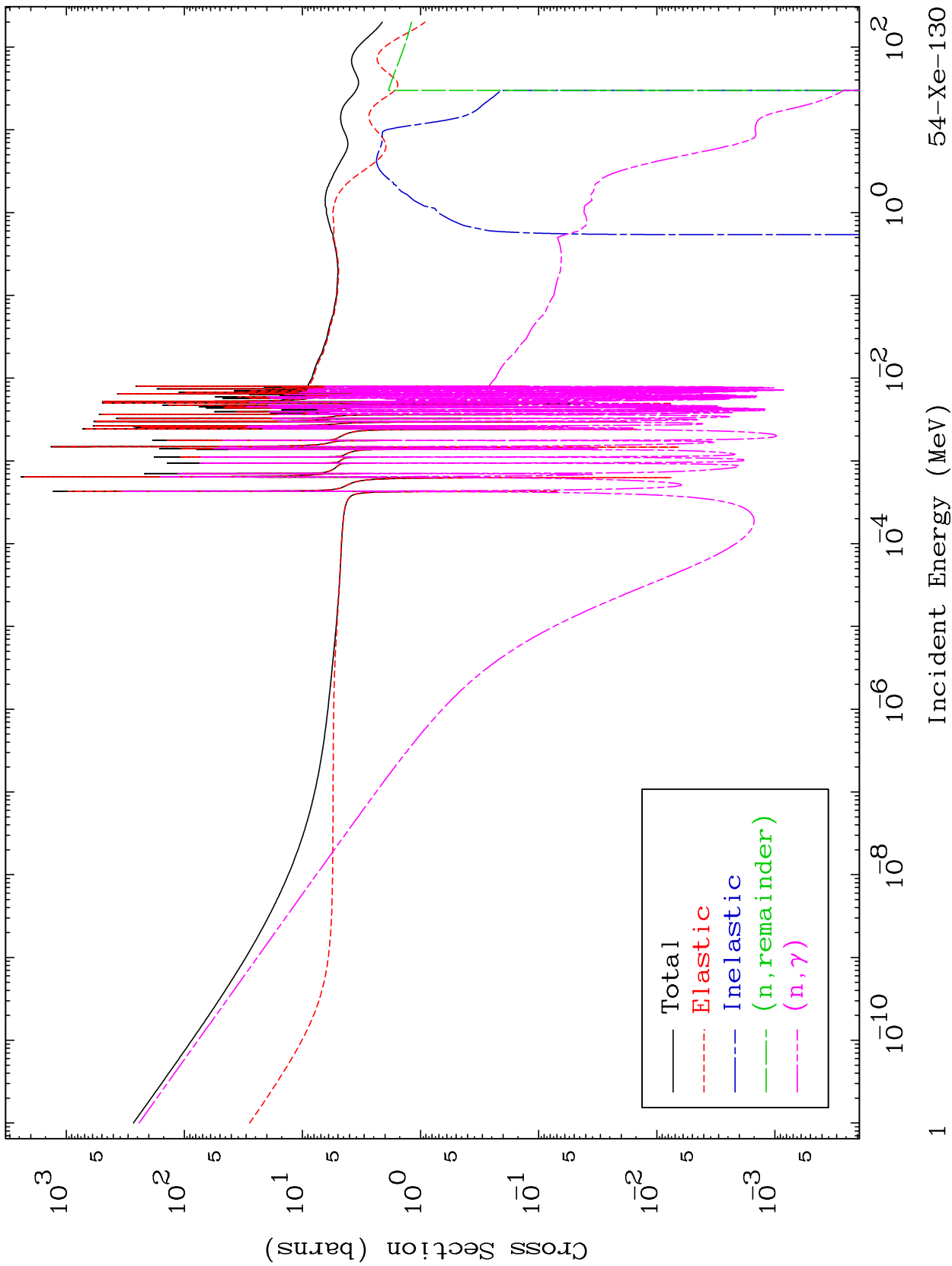
Press Mouse Button to Start

MAT 5443

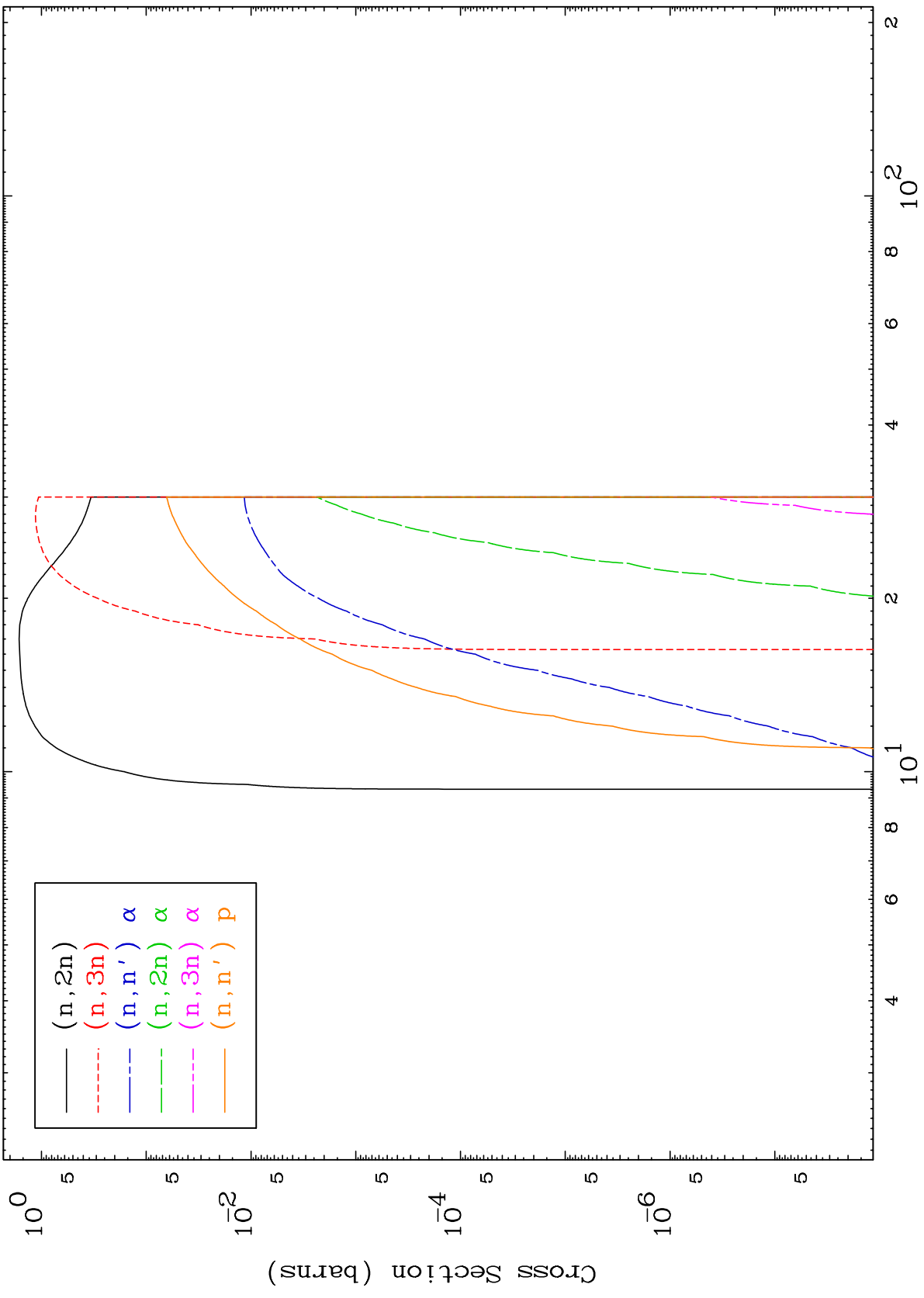
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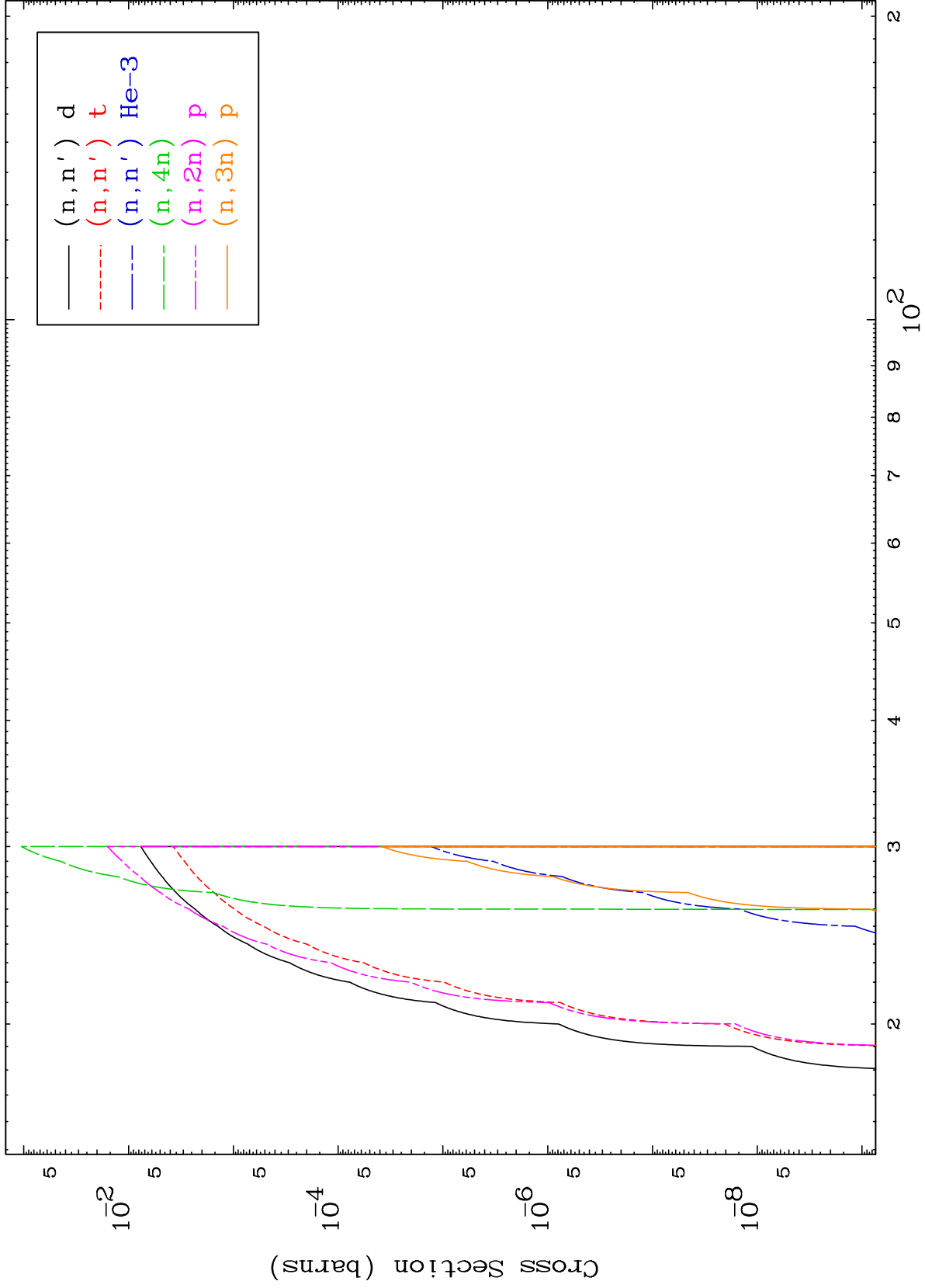
293 Kelvin Cross Sections

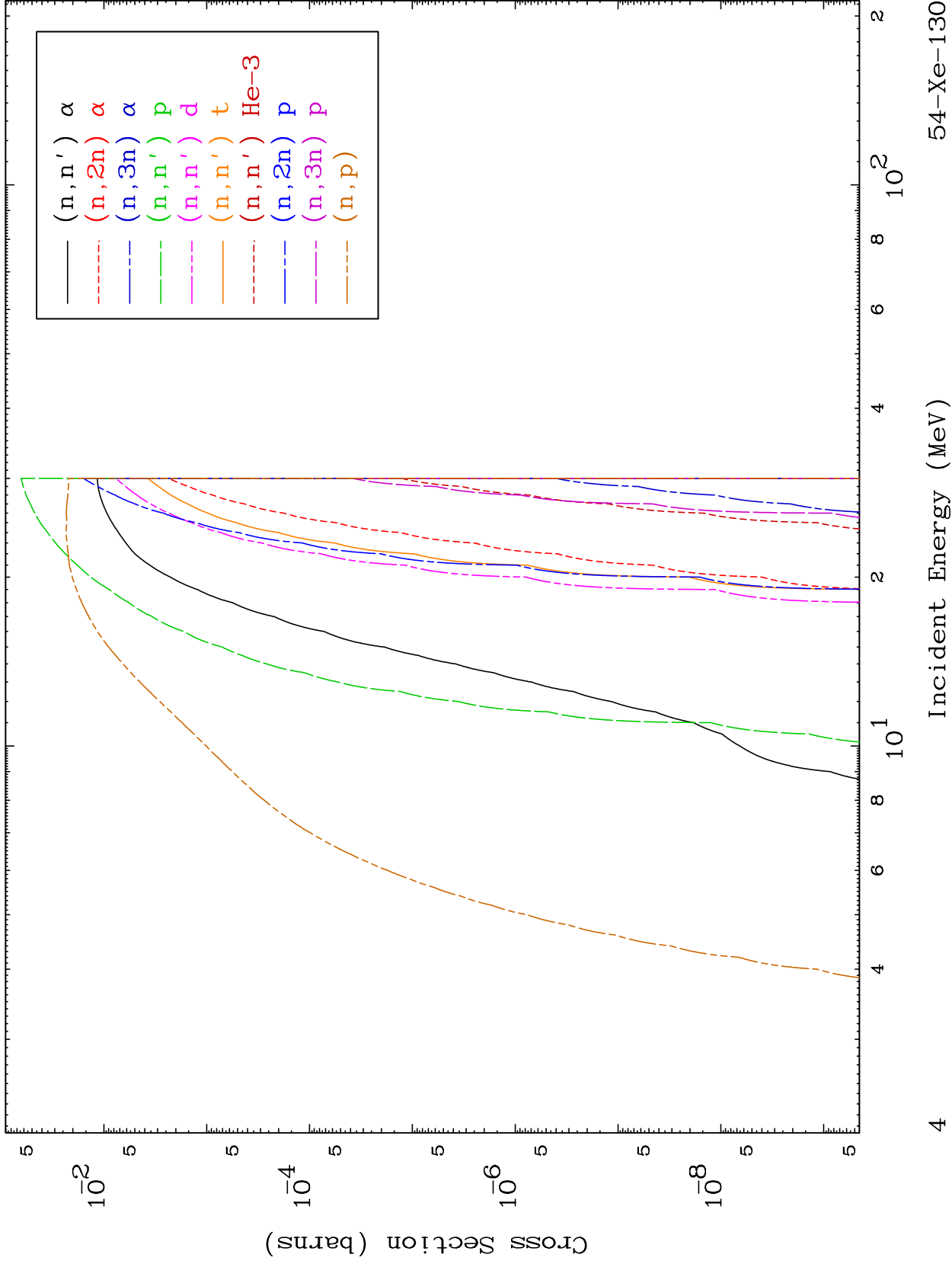
54-Xe-130



Neutron Production
293 Kelvin Cross Sections



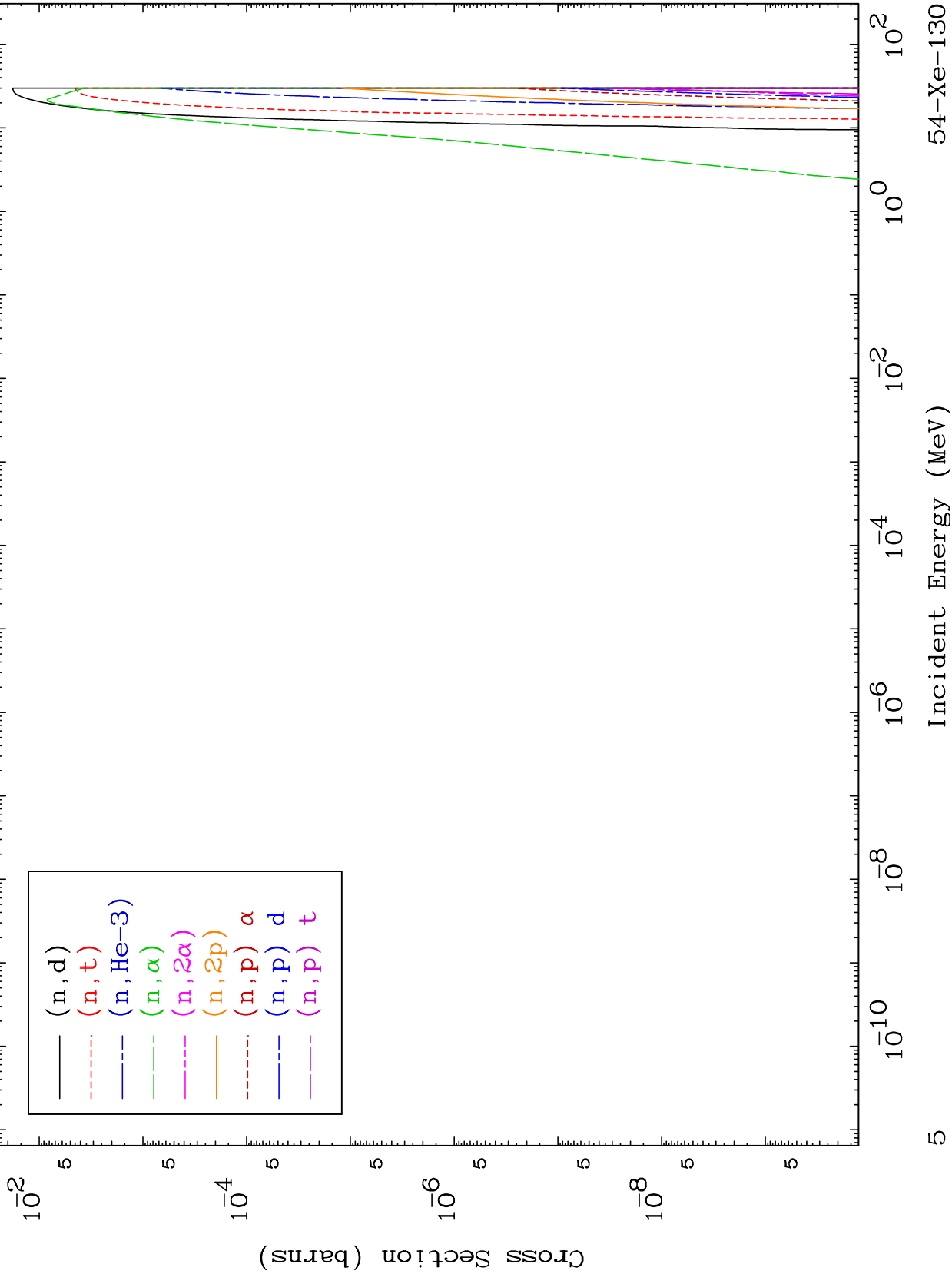




MAT 5443

Charged Particle
293 Kelvin Cross Sections

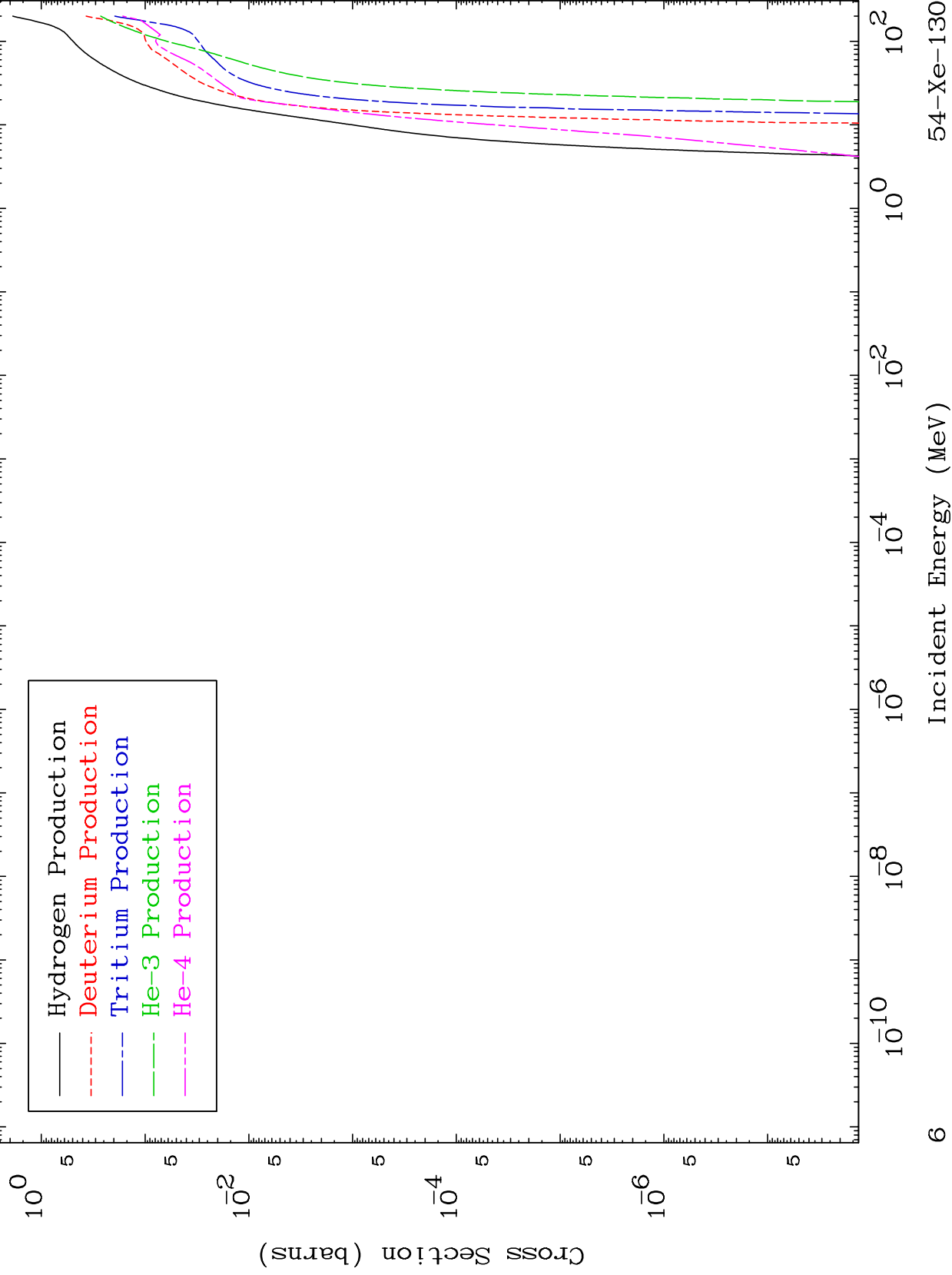
54-Xe-130



MAT 5443

Particle Production
293 Kelvin Cross Sections

54-Xe-130

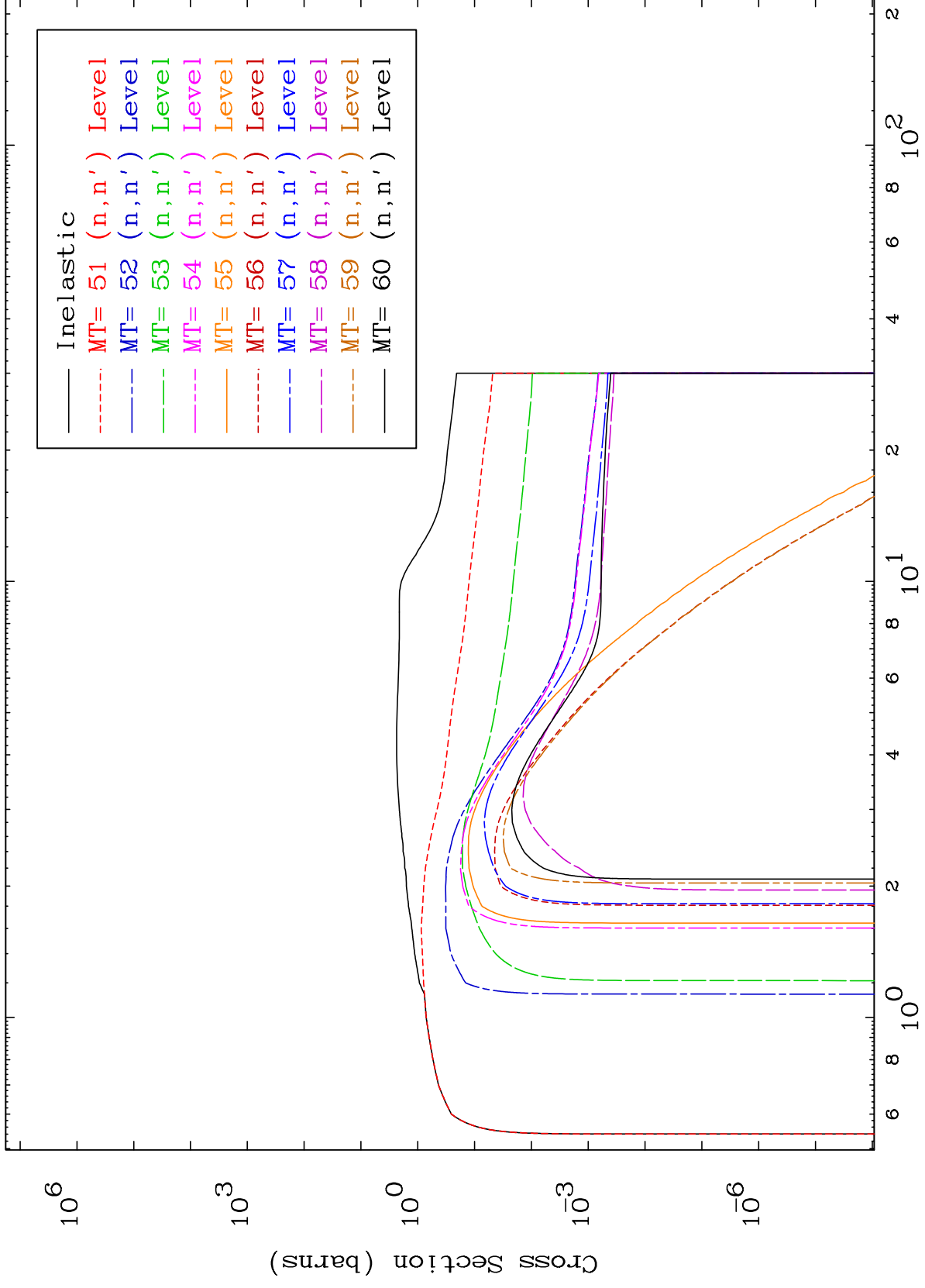


MAT 5443

(n,n') Level

54-Xe-130

293 Kelvin Cross Sections

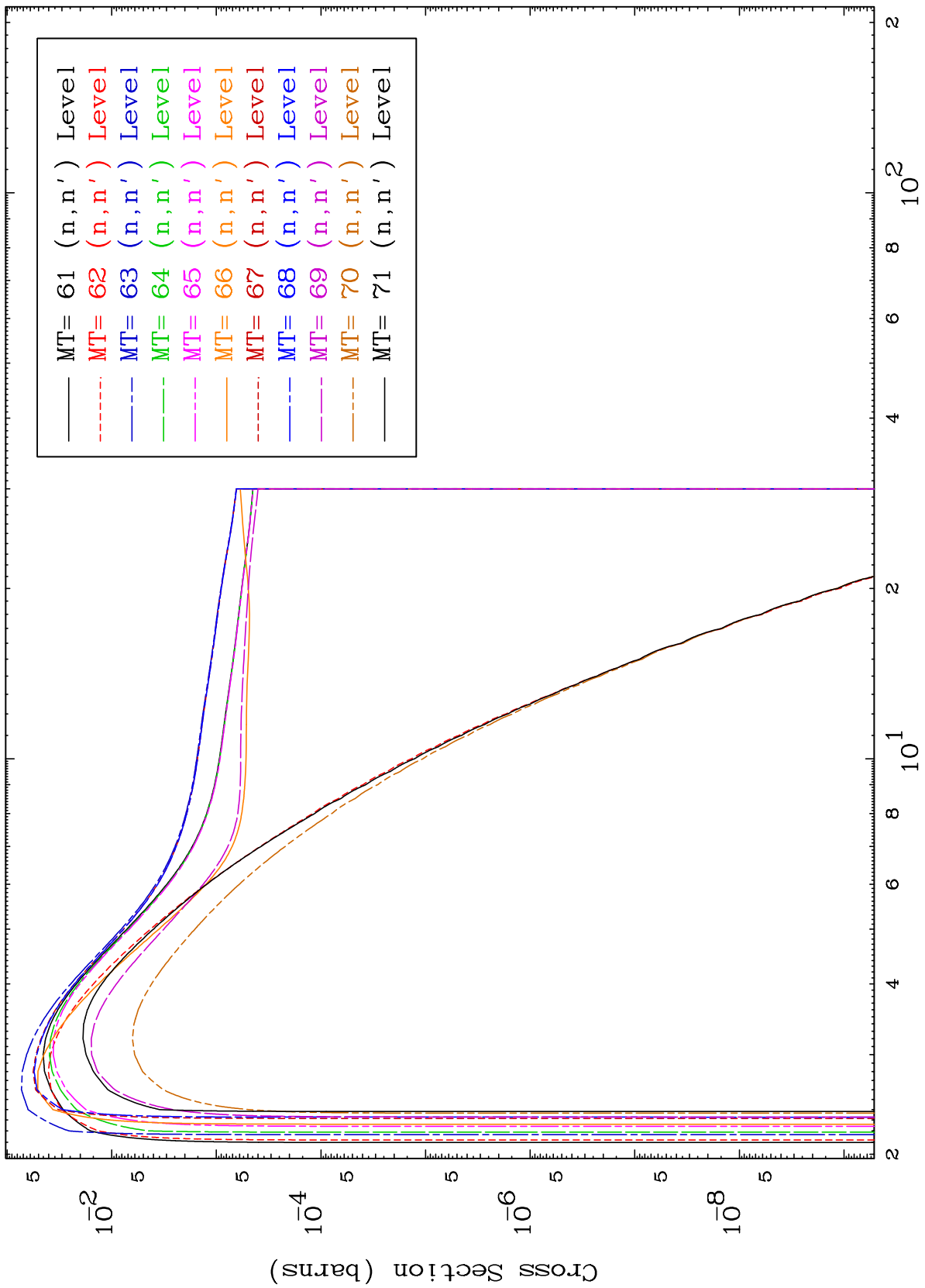


MAT 5443

(n,n') Level

54-Xe-130

293 Kelvin Cross Sections

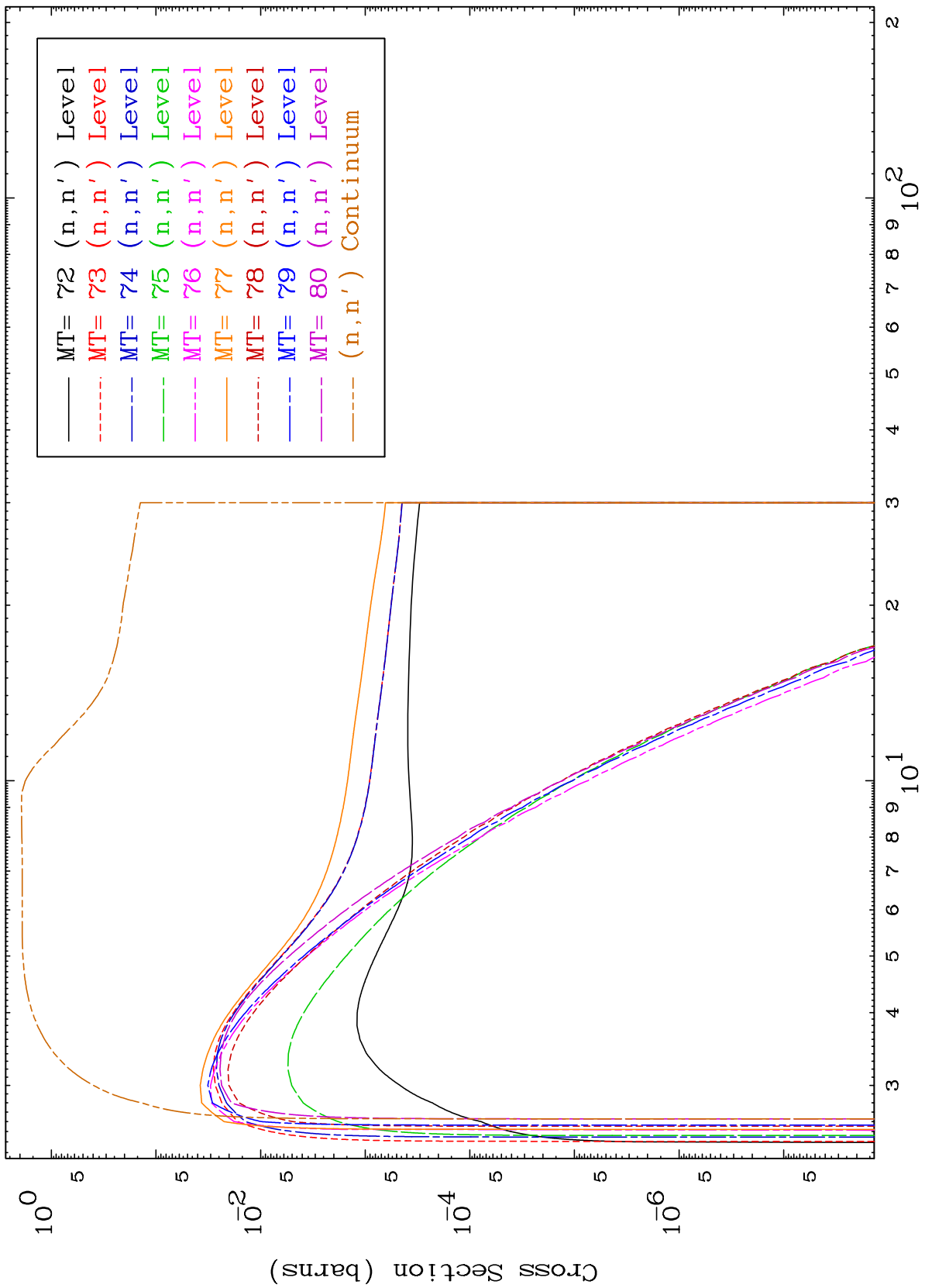


54-Xe-130

Incident Energy (MeV)

8

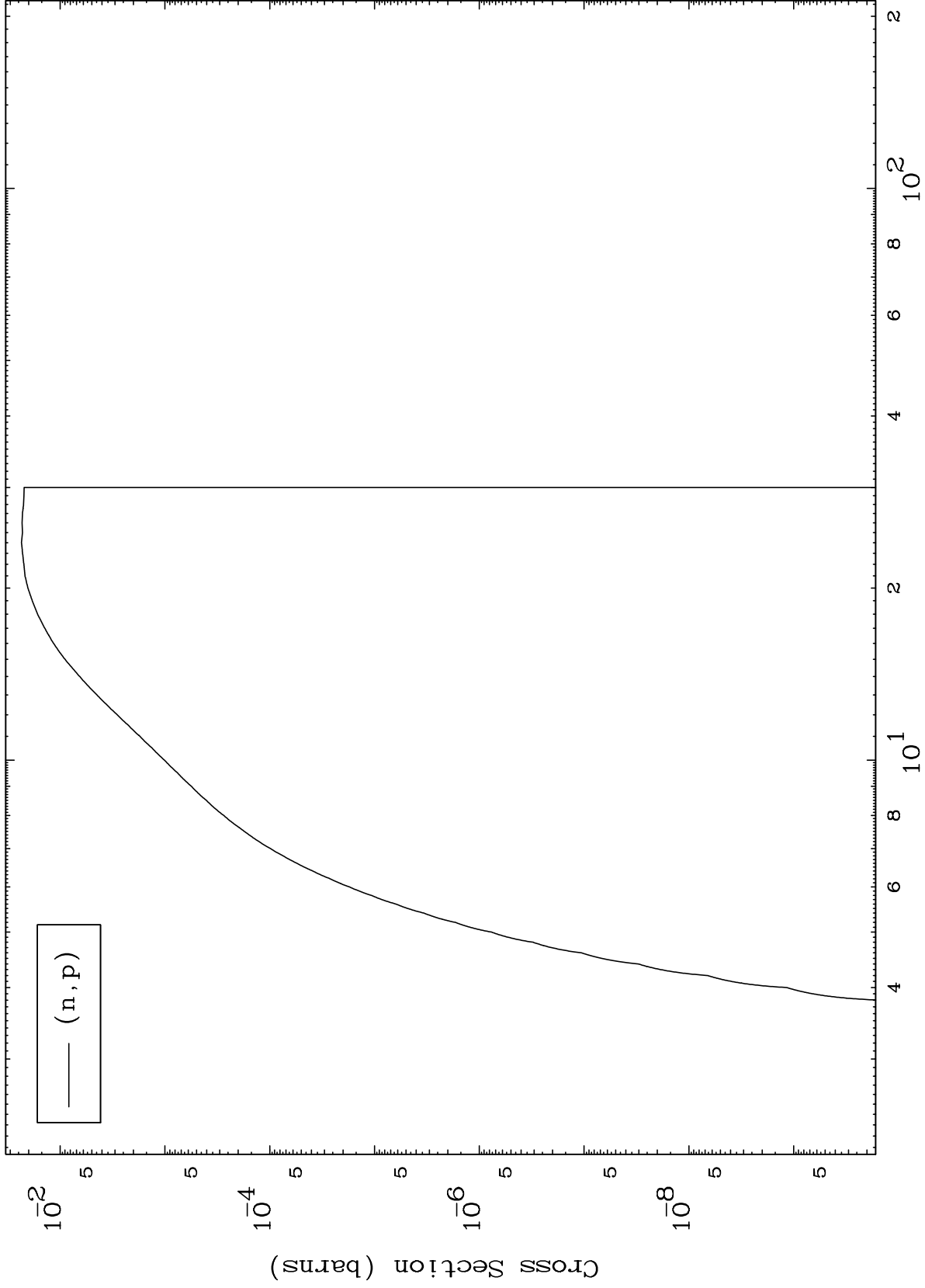
293 Kelvin Cross Sections



MAT 5443

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-130



10

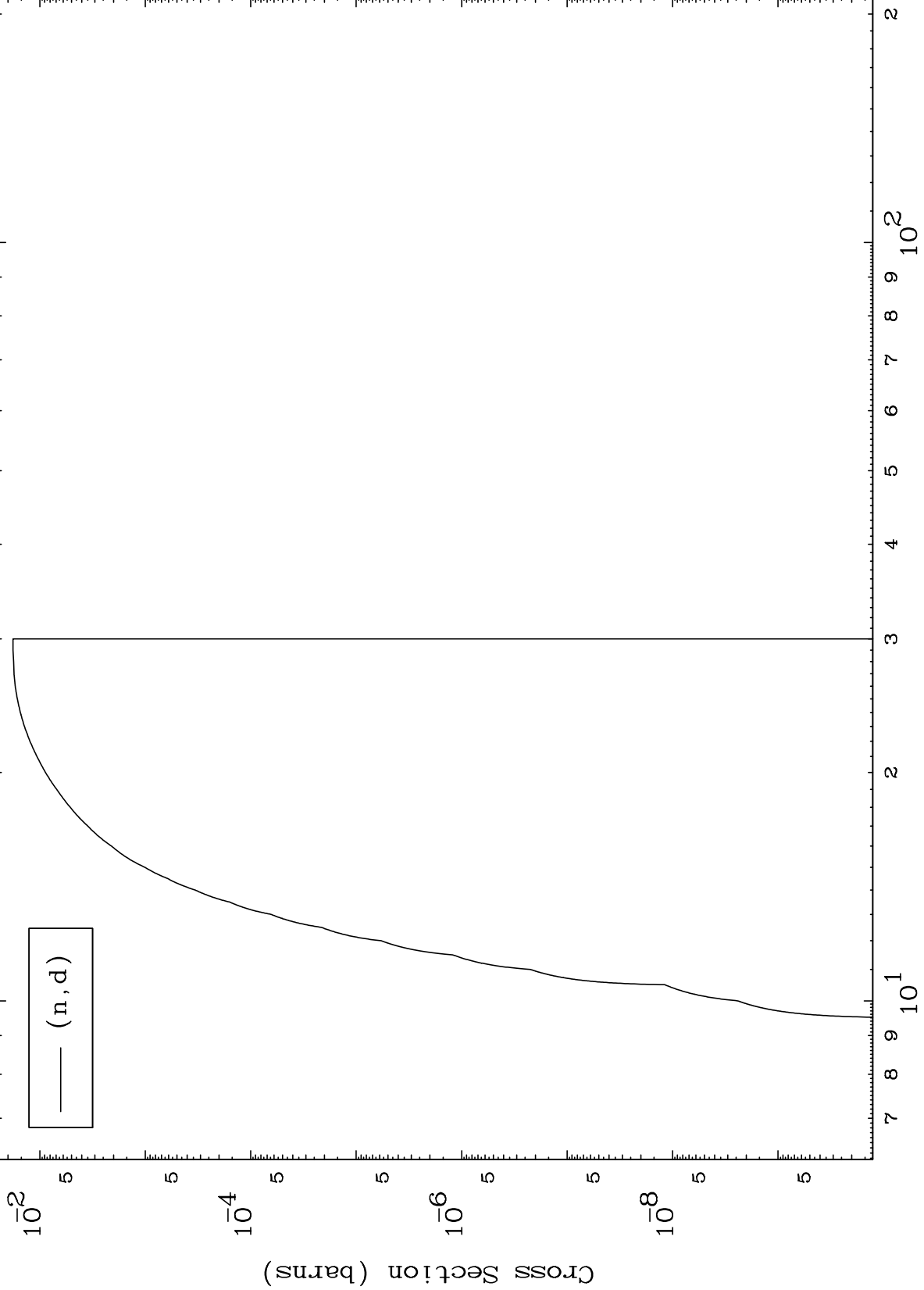
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,d) Levels
293 Kelvin Cross Sections

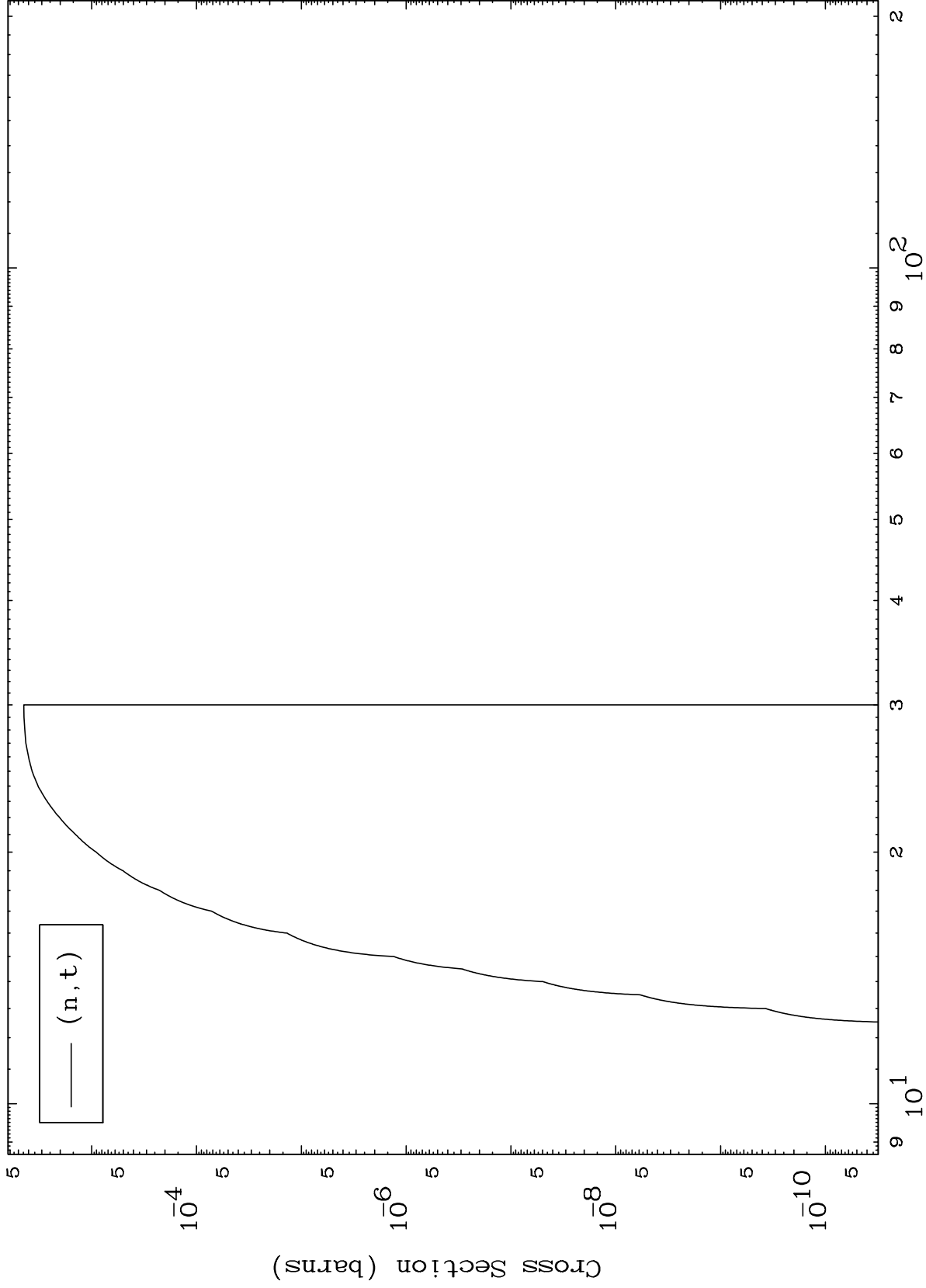
54-Xe-130



MAT 5443

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-130



12

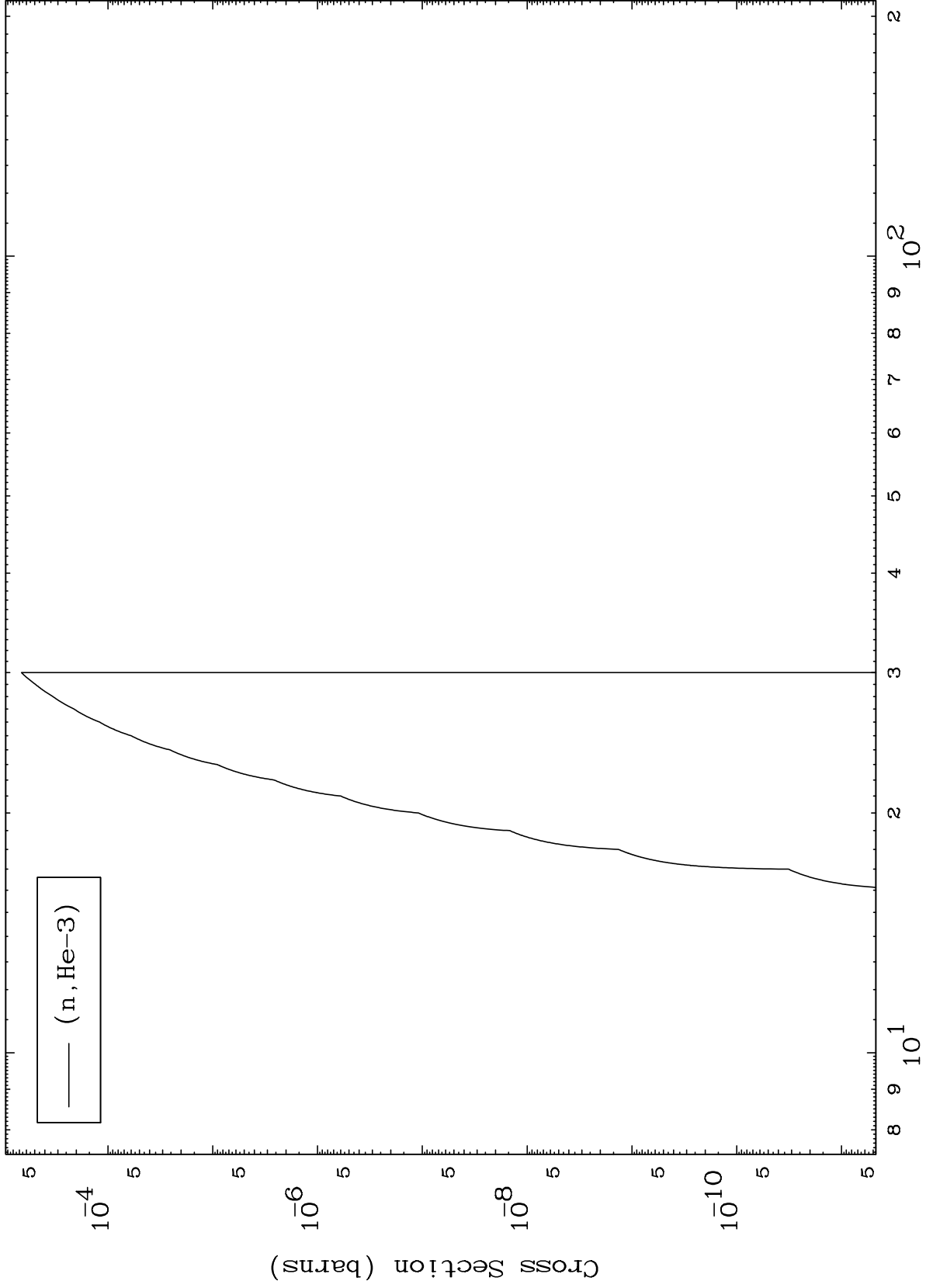
Incident Energy (MeV)

54-Xe-130

MAT 5443

(n,He3) Levels
293 Kelvin Cross Sections

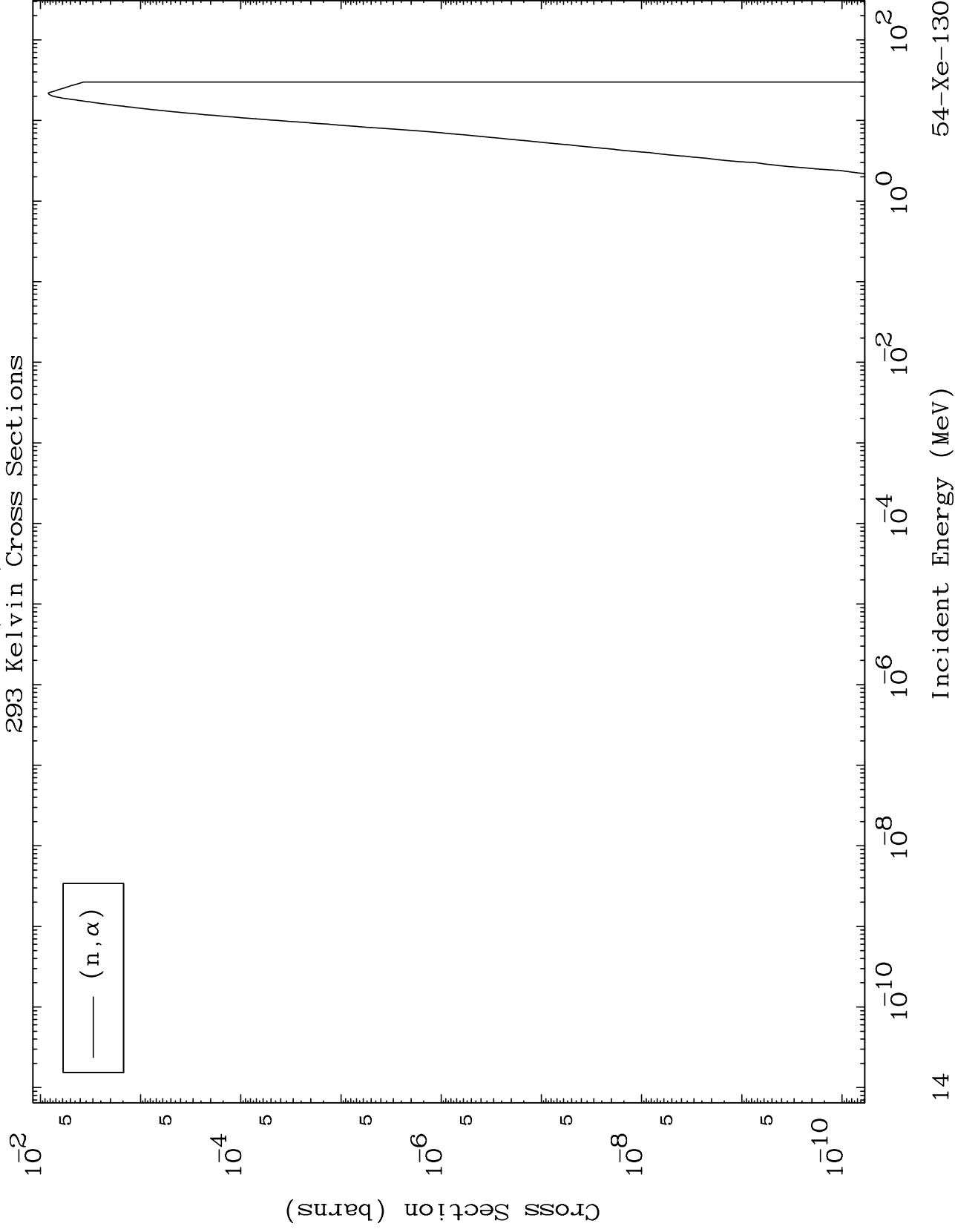
54-Xe-130

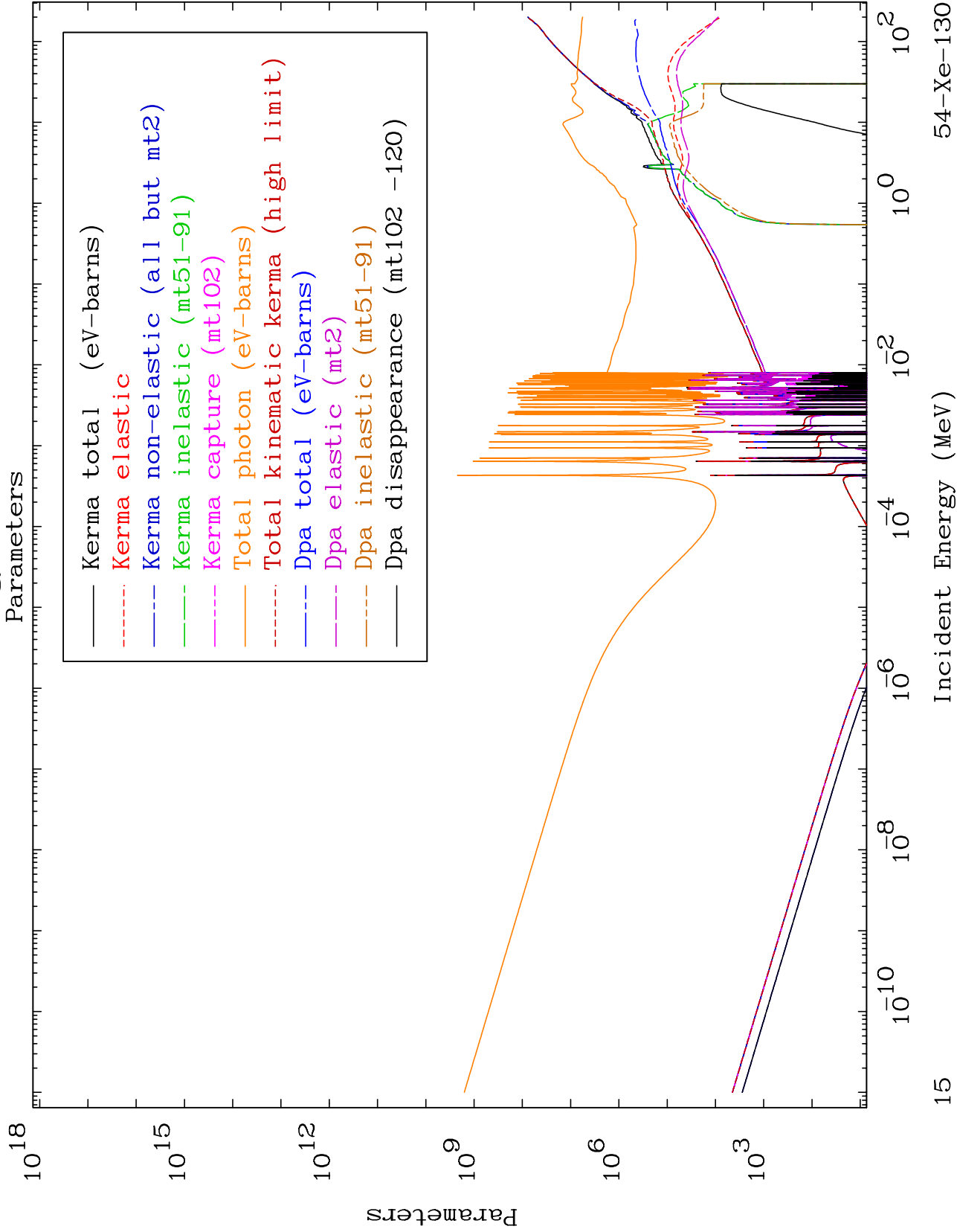


MAT 5443

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-130

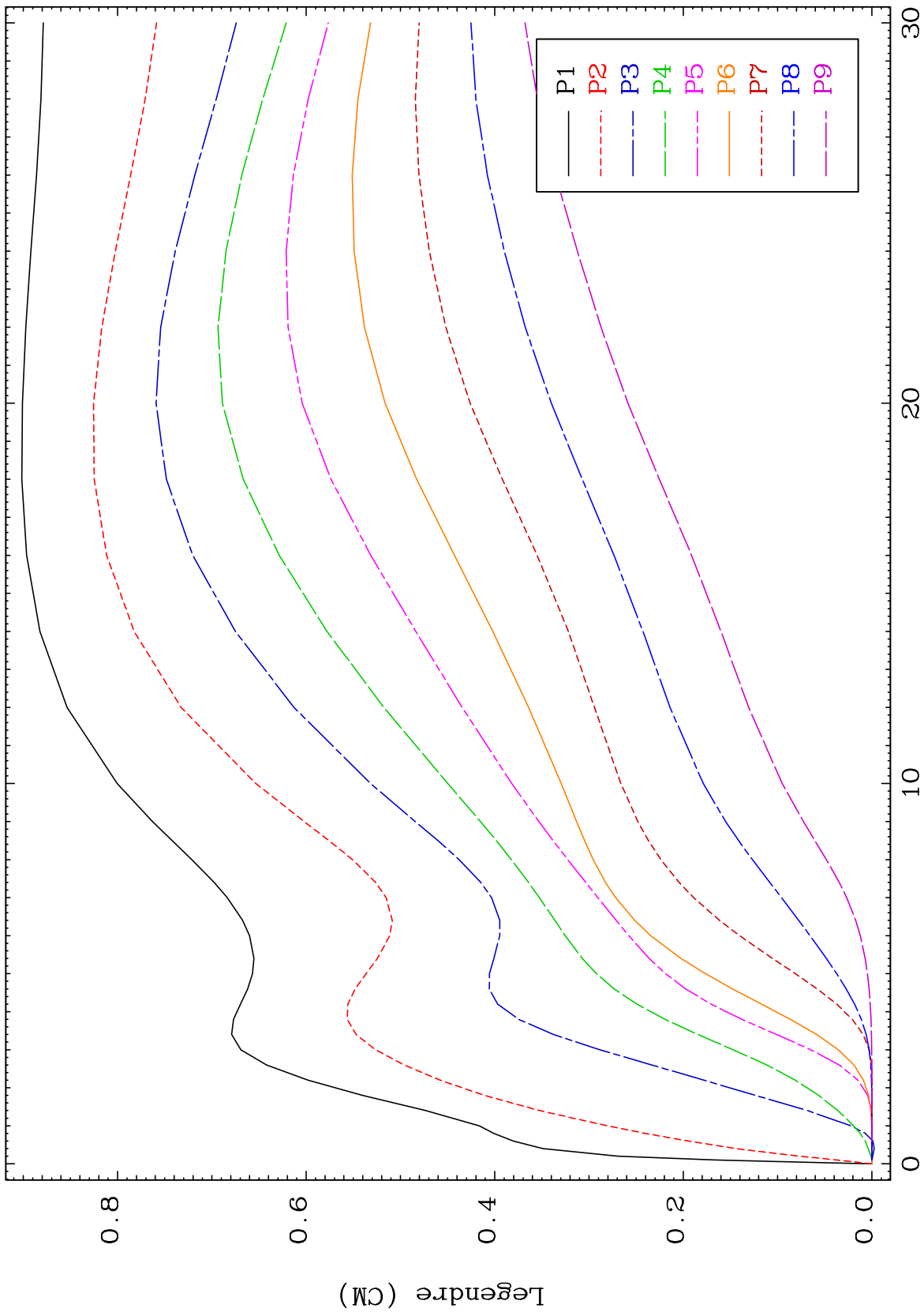




MAT 5443

54-Xe-130

Elastic Legendre Coefficients



16

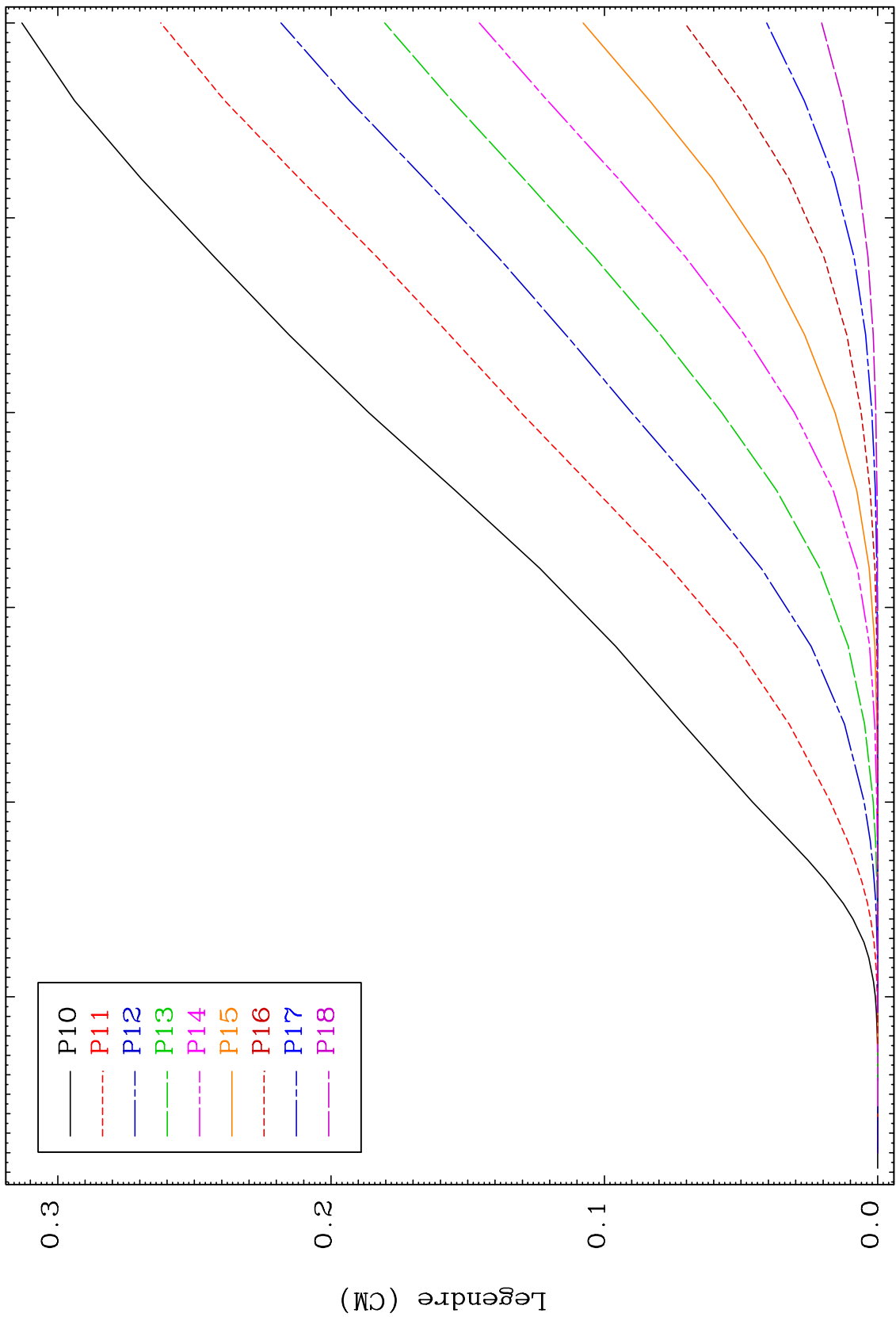
Incident Energy (MeV)

54-Xe-130

MAT 5443

Elastic Legendre Coefficients

54-Xe-130



17

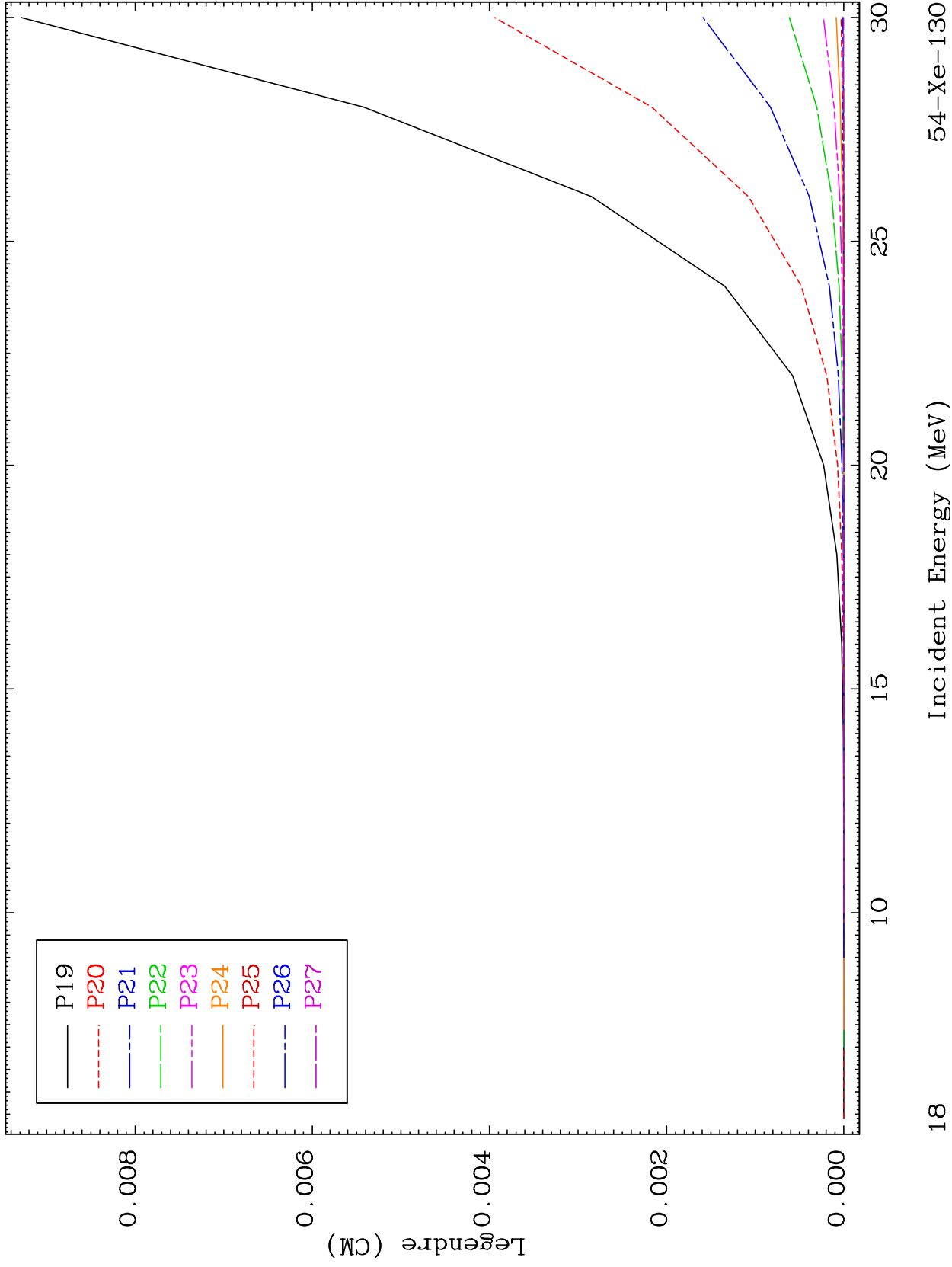
Incident Energy (MeV)

54-Xe-130

MAT 5443

Elastic Legendre Coefficients

54-Xe-130



18

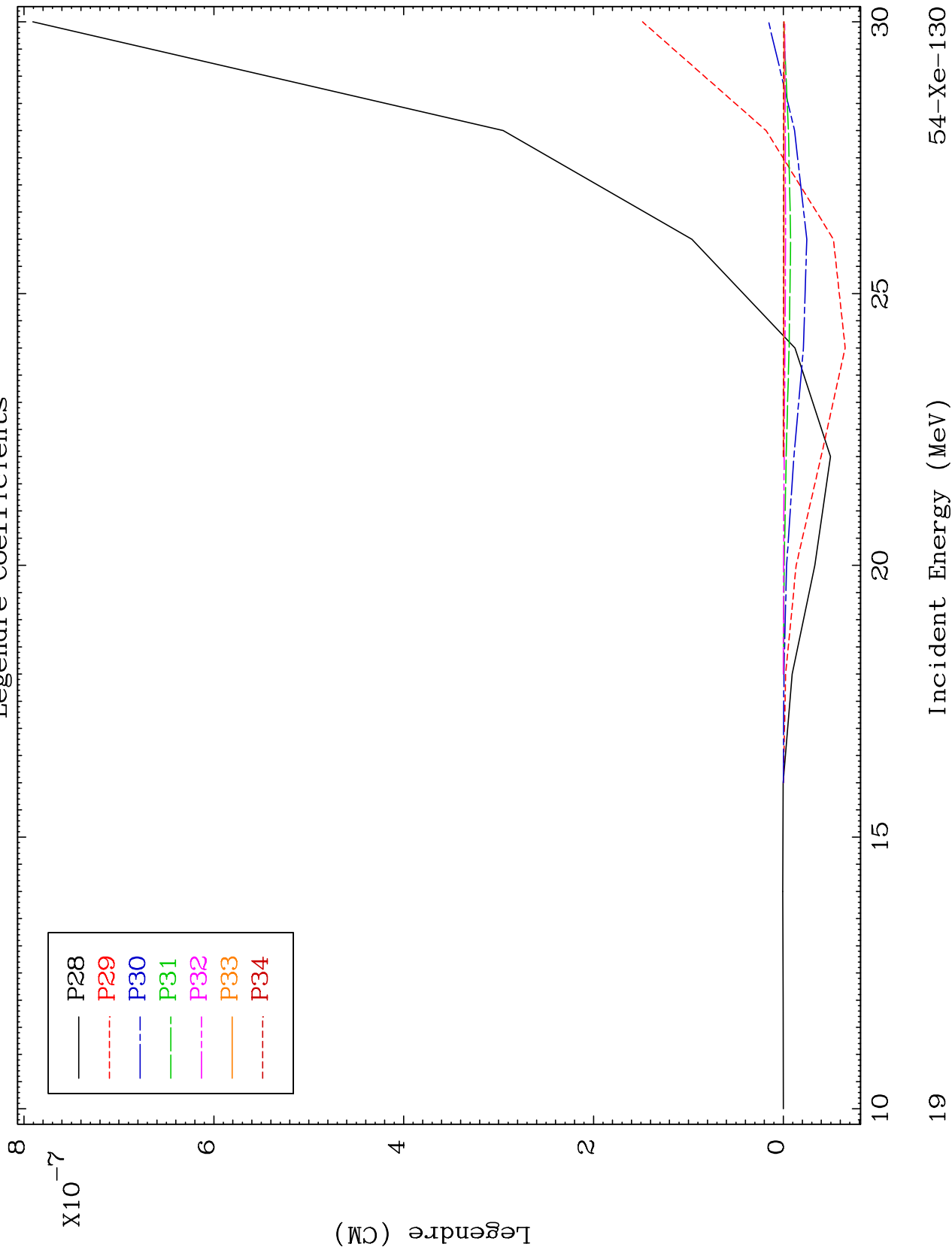
Incident Energy (MeV)

54-Xe-130

MAT 5443

Elastic Legendre Coefficients

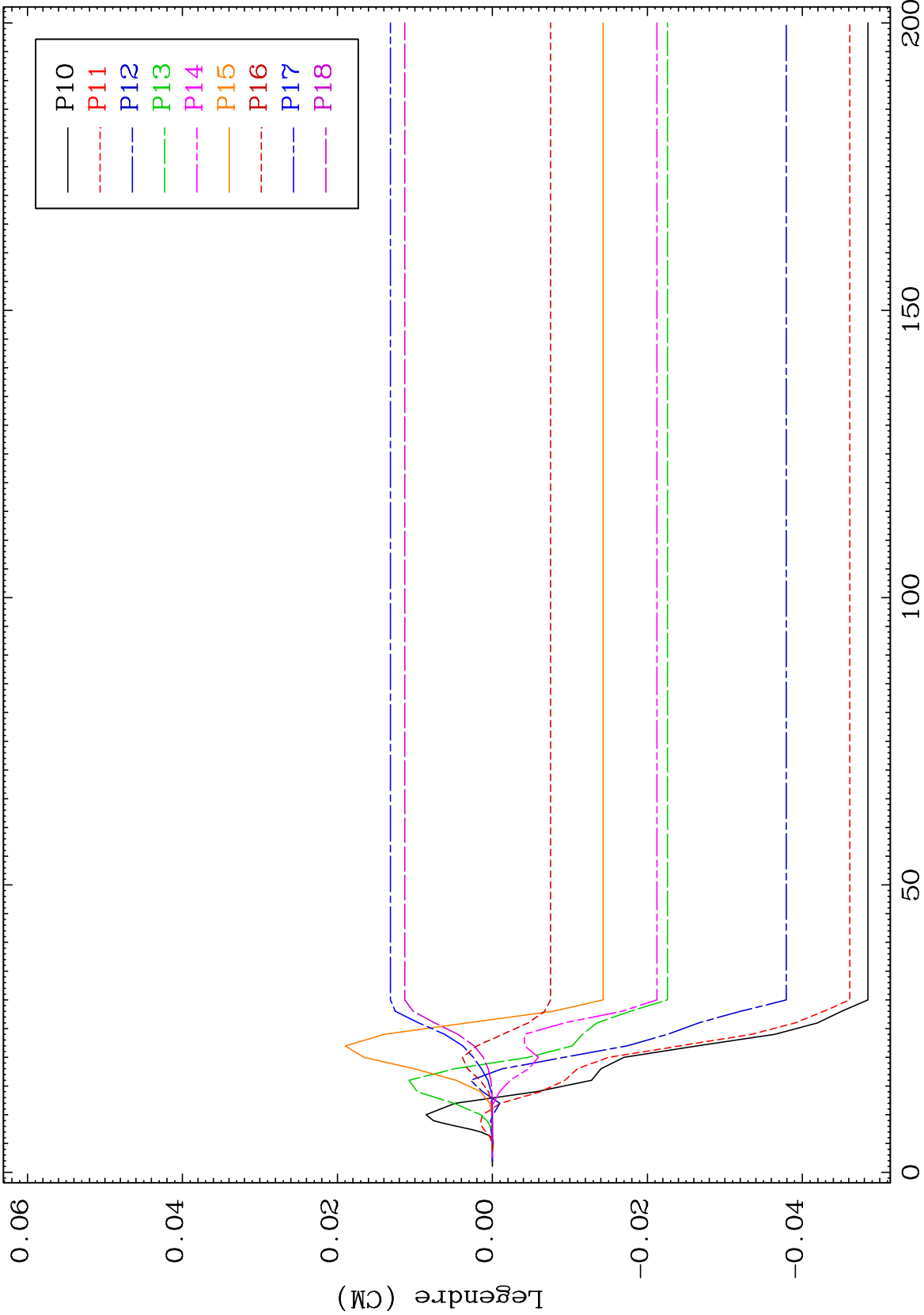
54-Xe-130



MAT 5443

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

54-Xe-130



21

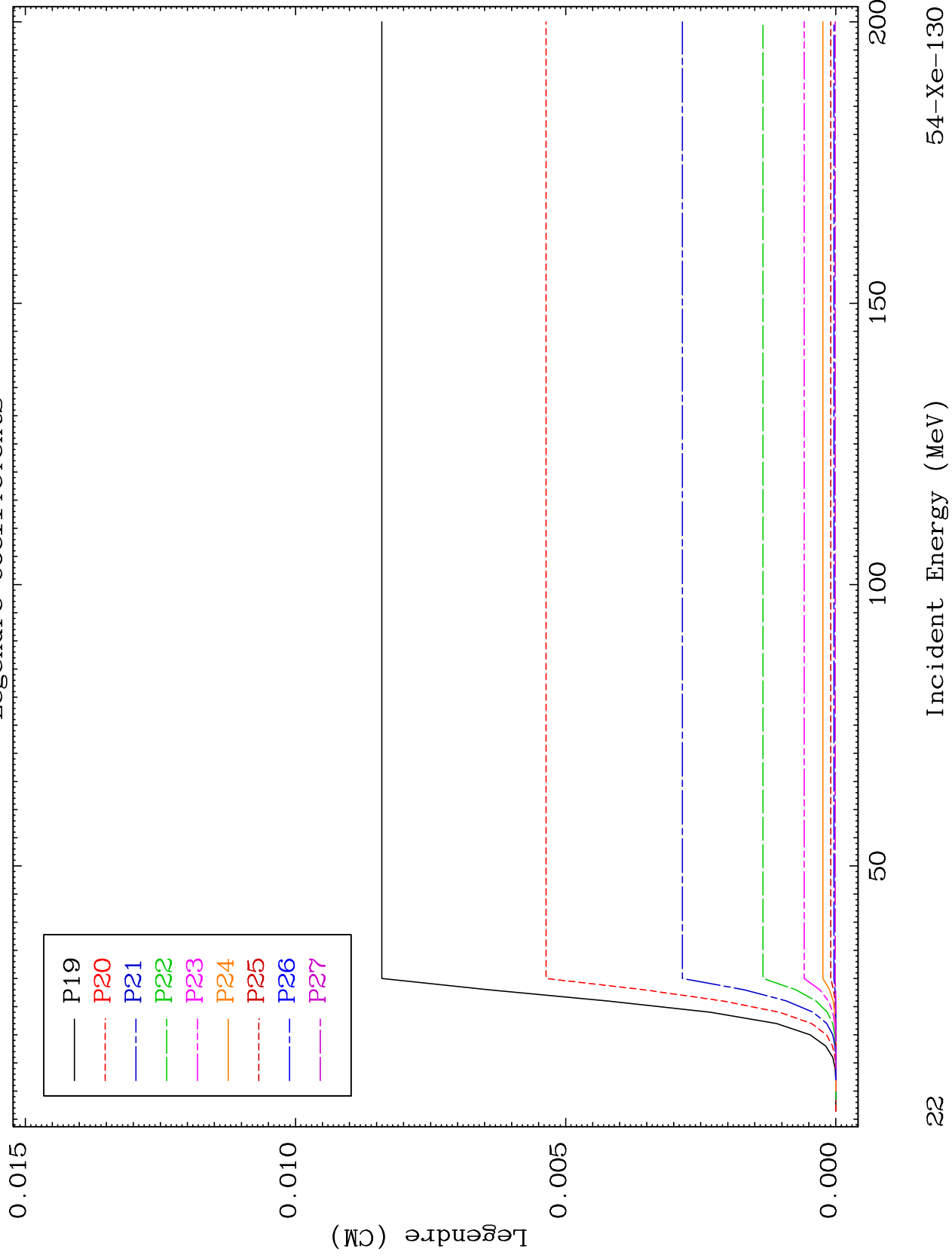
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

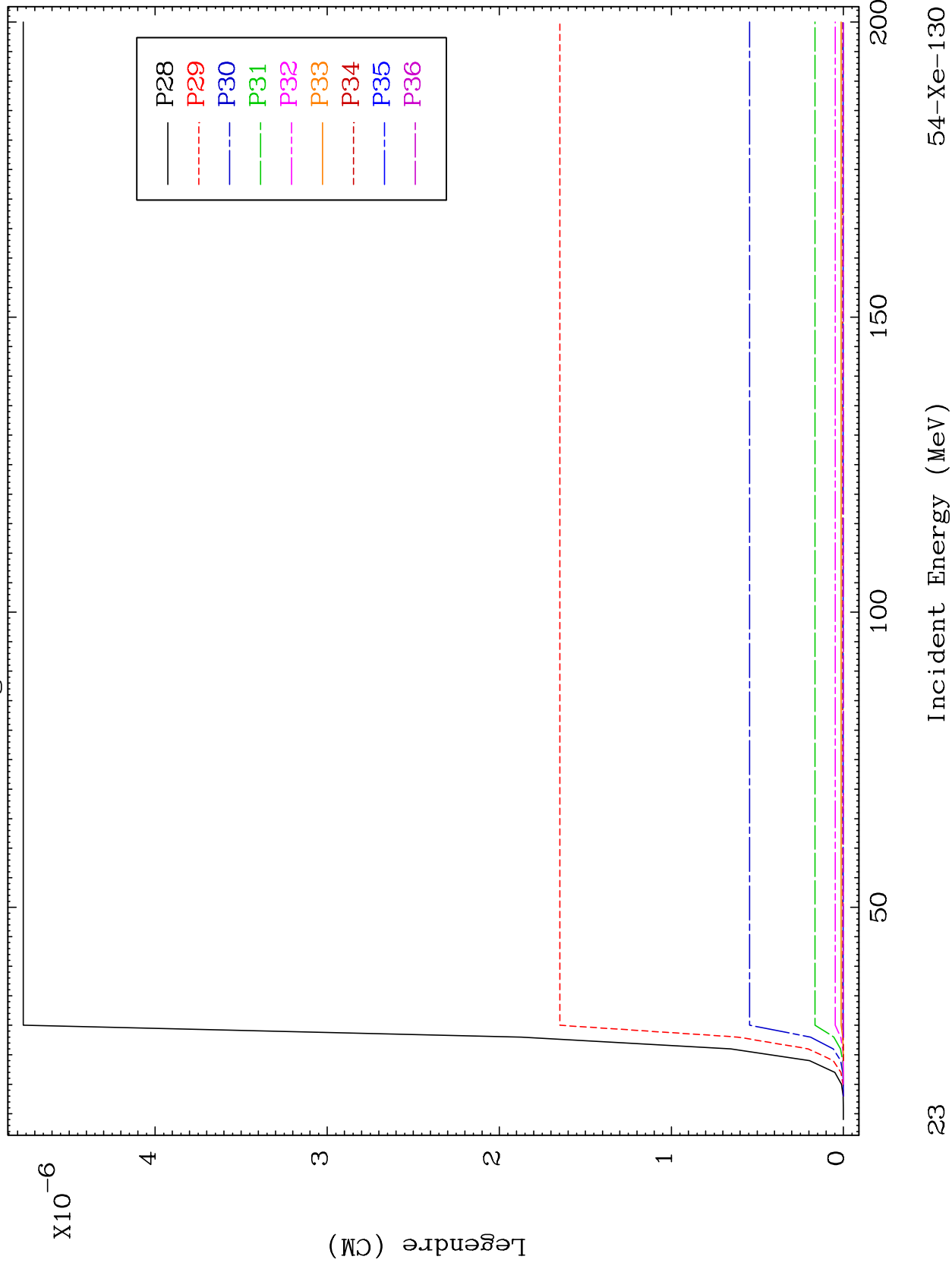
54-Xe-130

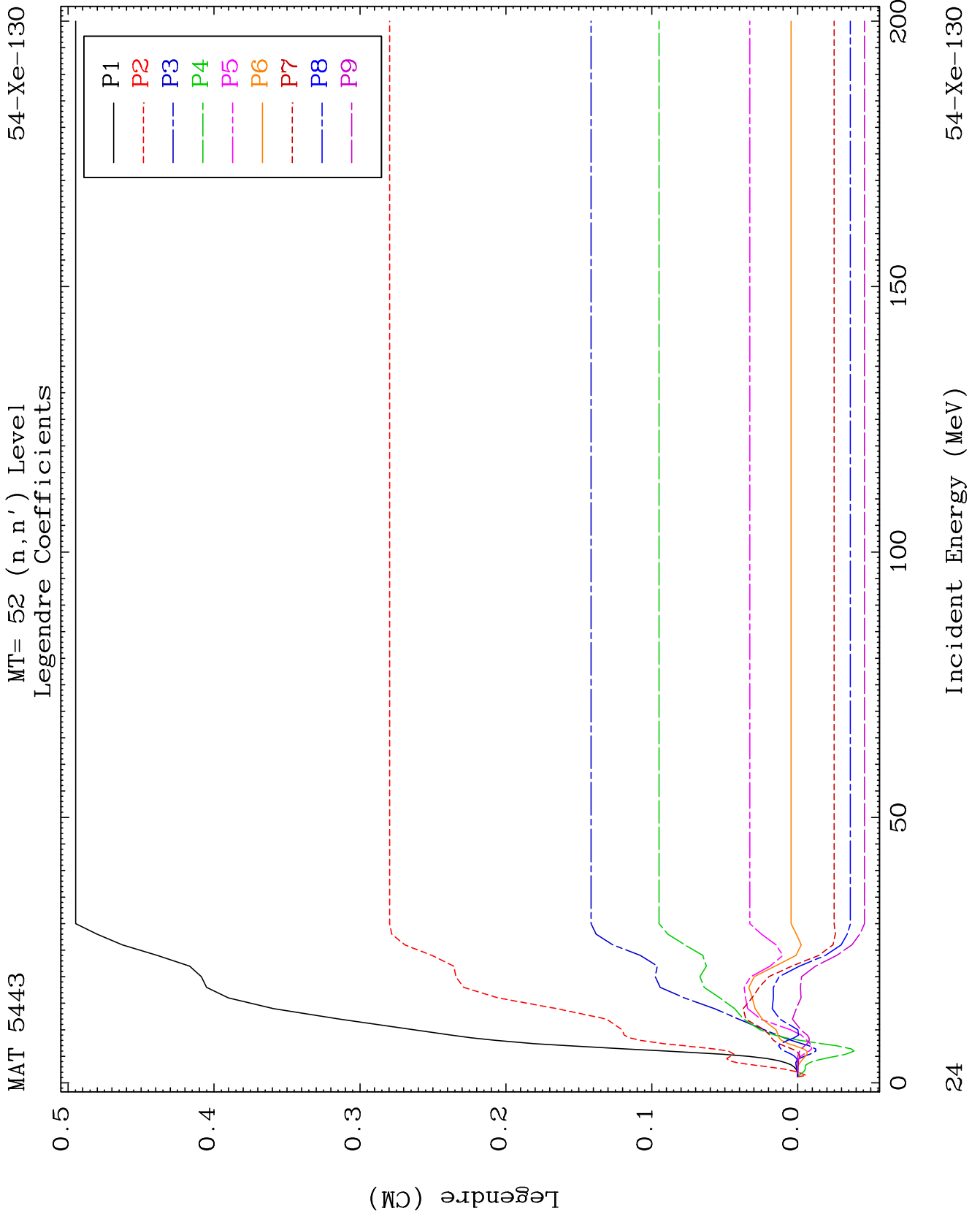


MAT 5443

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

54-Xe-130

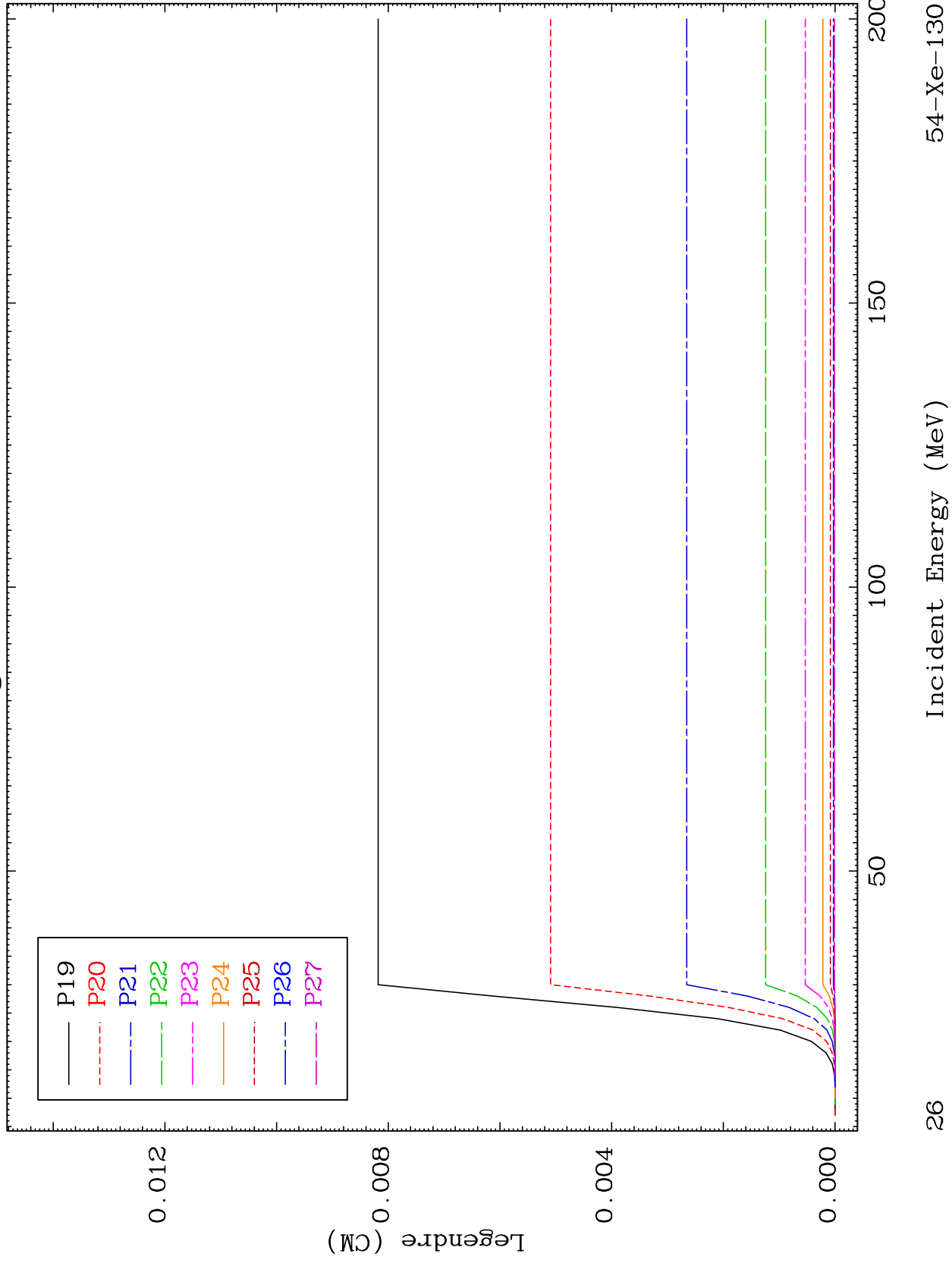




MAT 5443

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

54-Xe-130



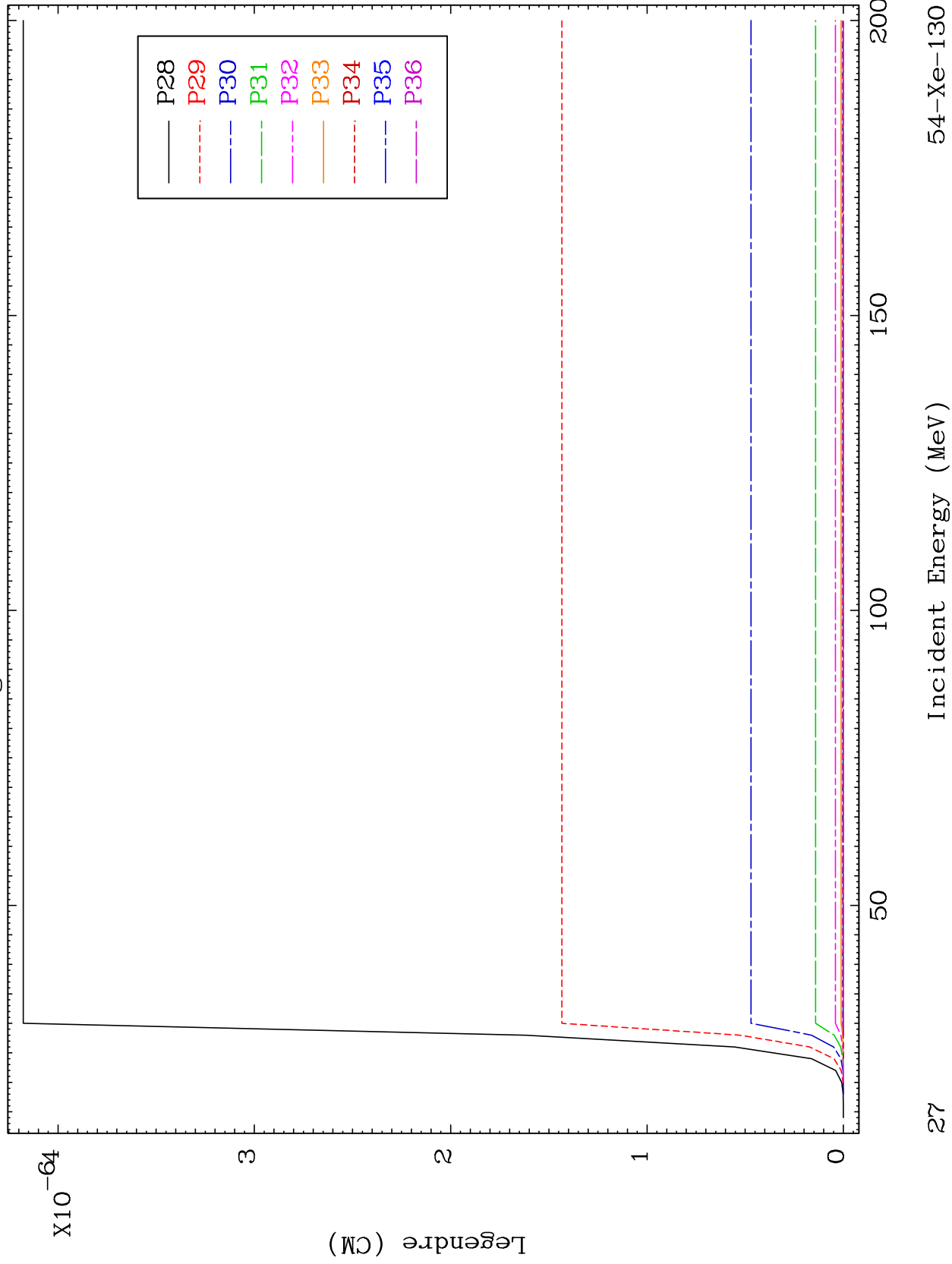
26

54-Xe-130

MAT 5443

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

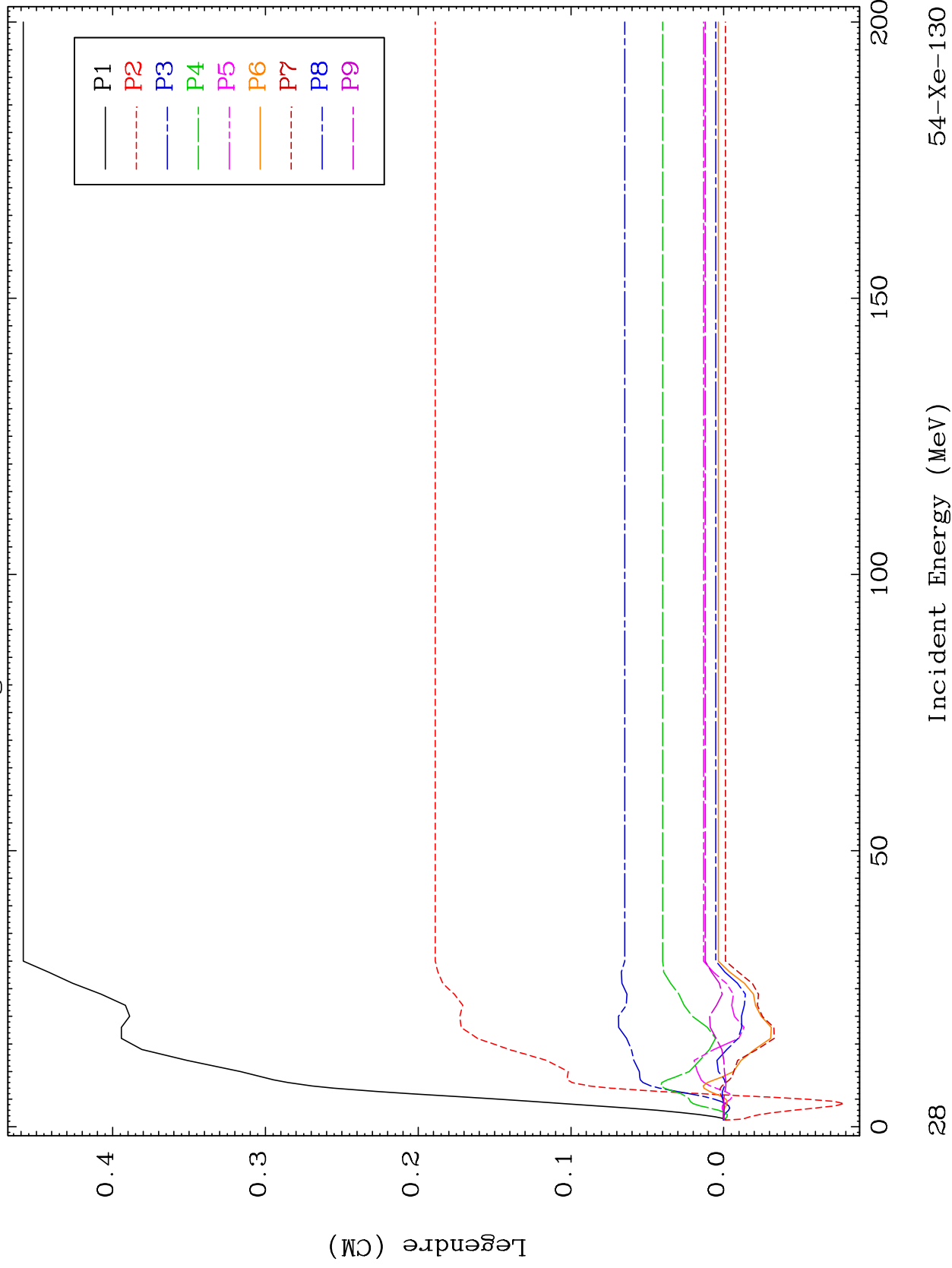
54-Xe-130



MAT 5443

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

54-Xe-130



54-Xe-130

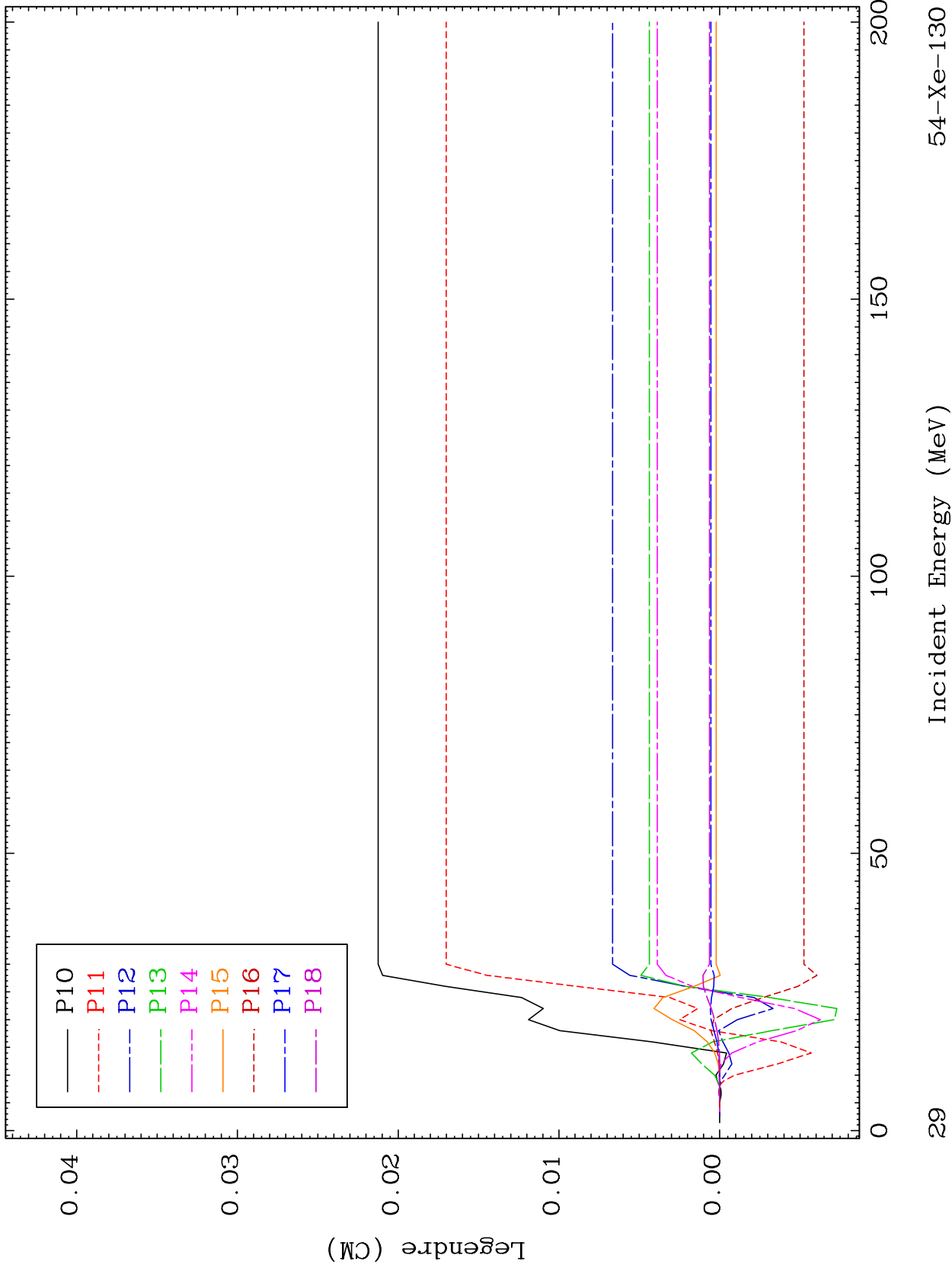
Incident Energy (MeV)

28

MAT 5443

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

54-Xe-130



29

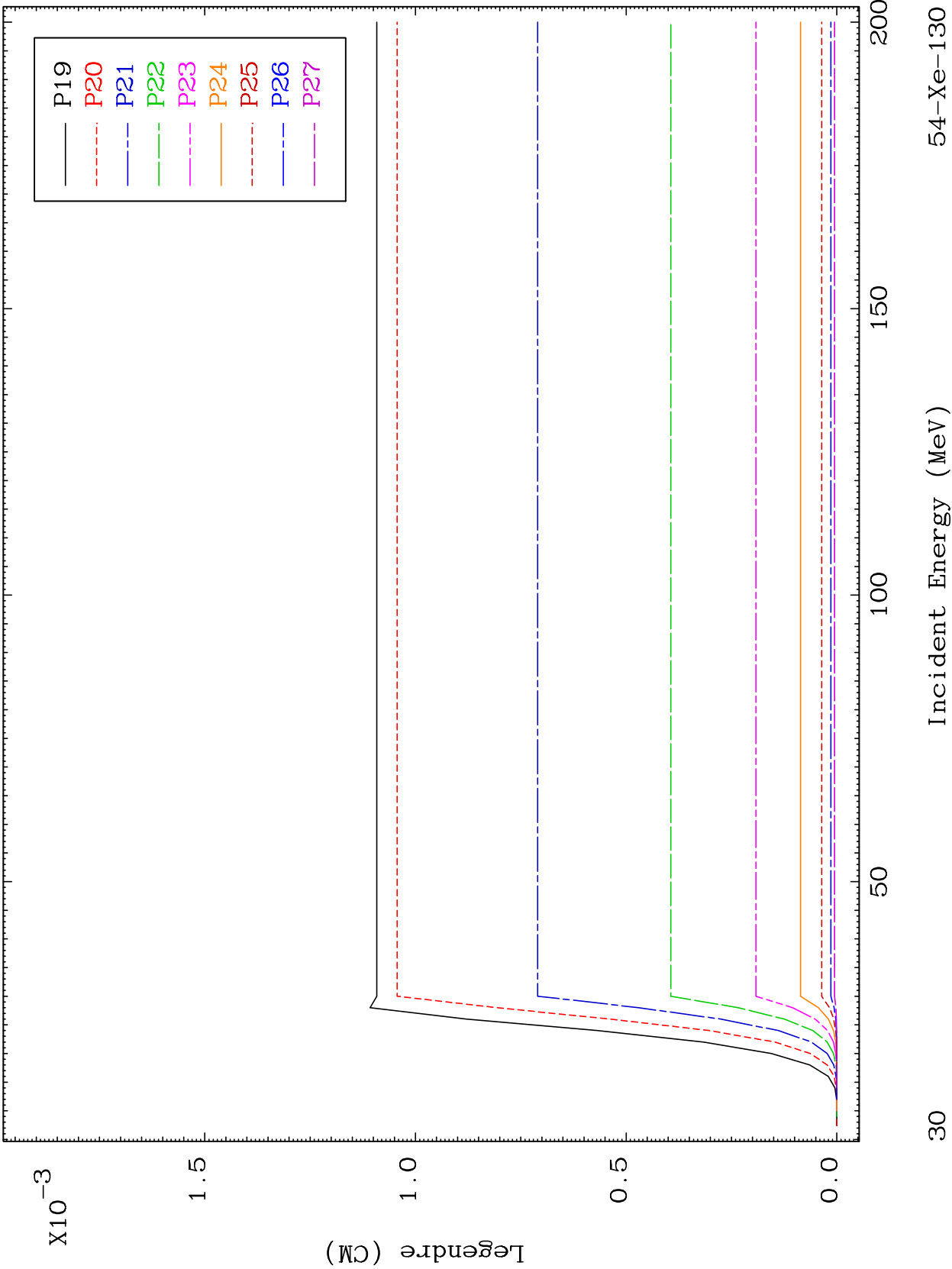
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

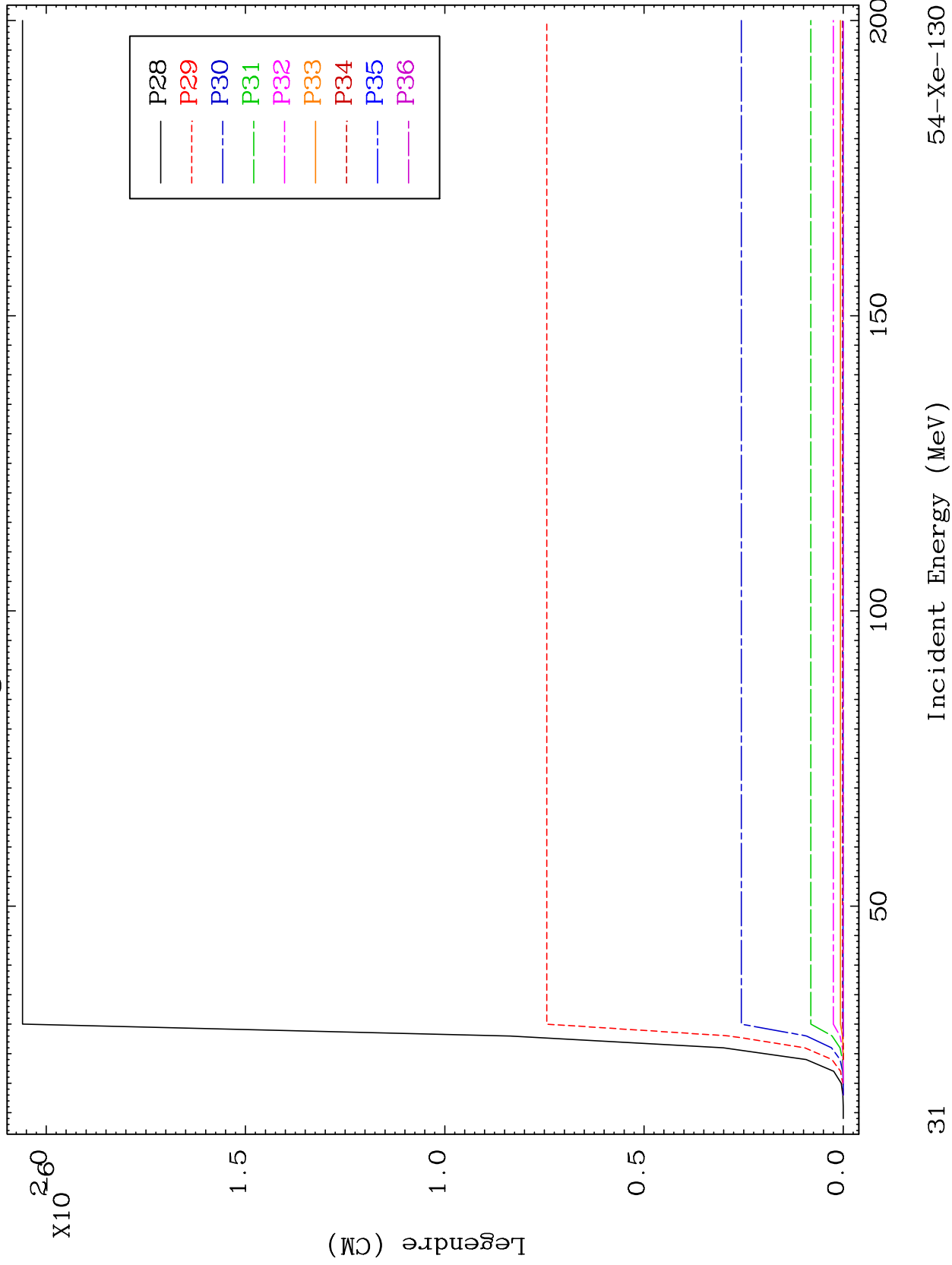
54-Xe-130



MAT 5443

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

54-Xe-130

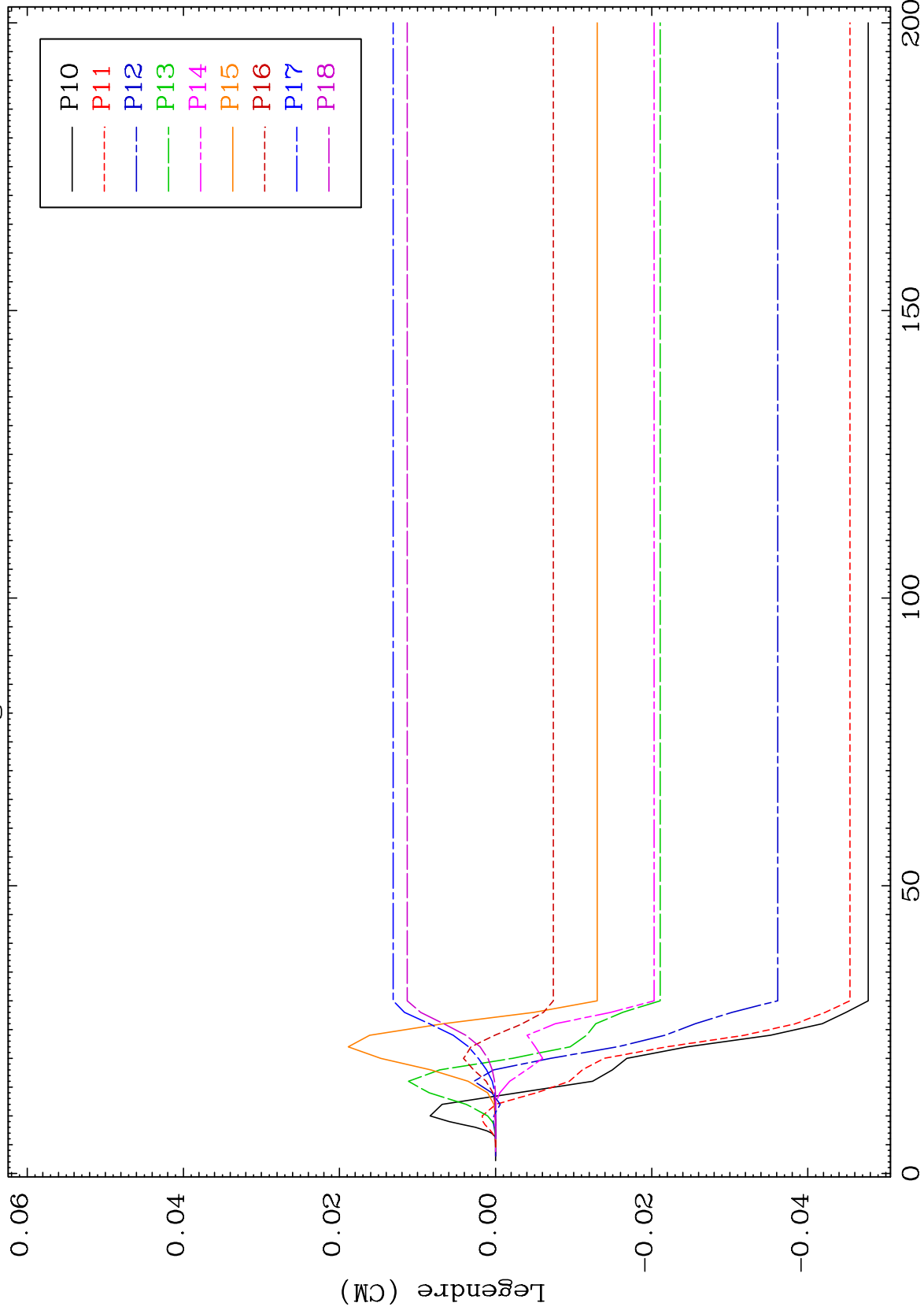


31

MAT 5443

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

54-Xe-130



33

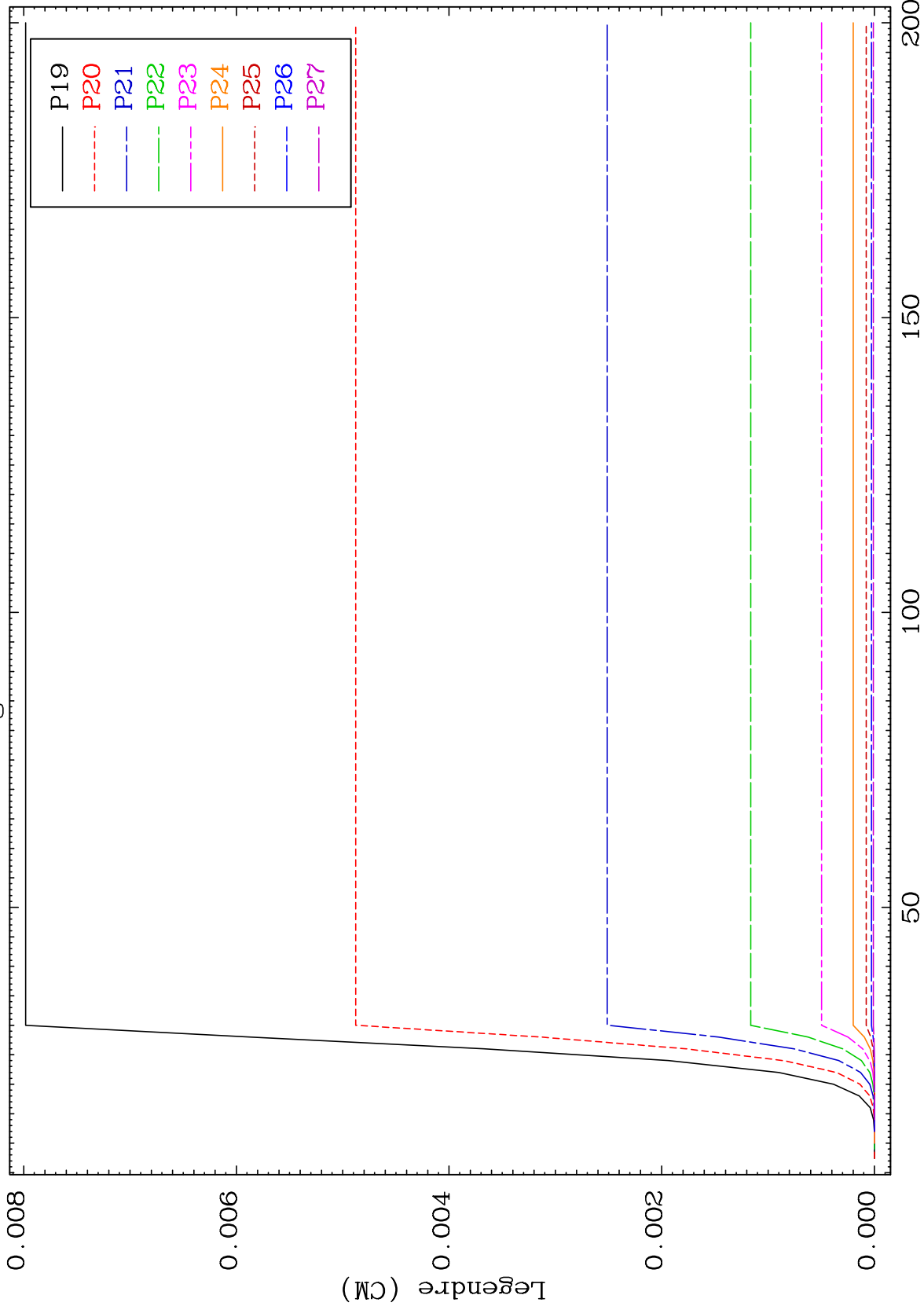
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



34

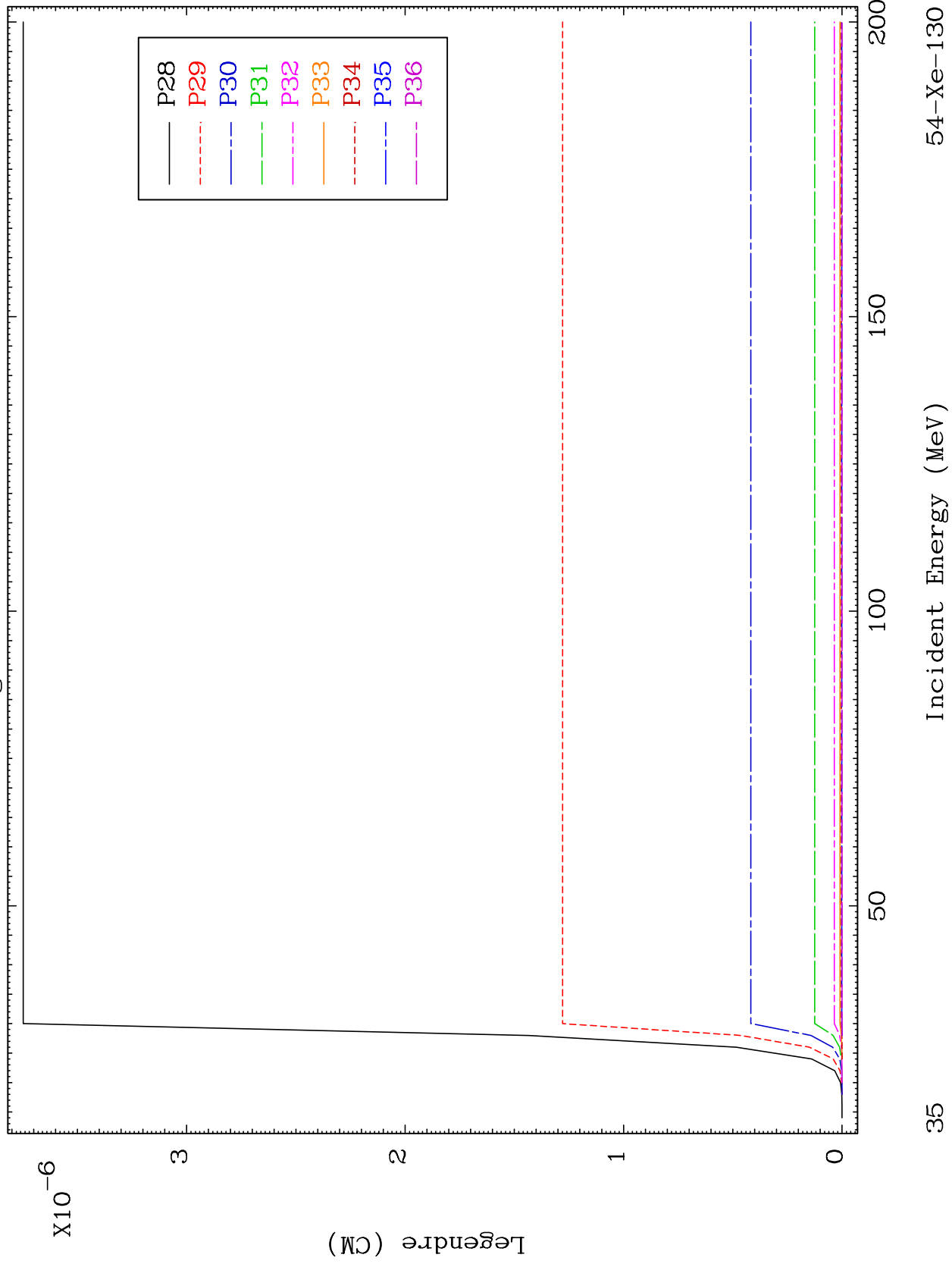
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

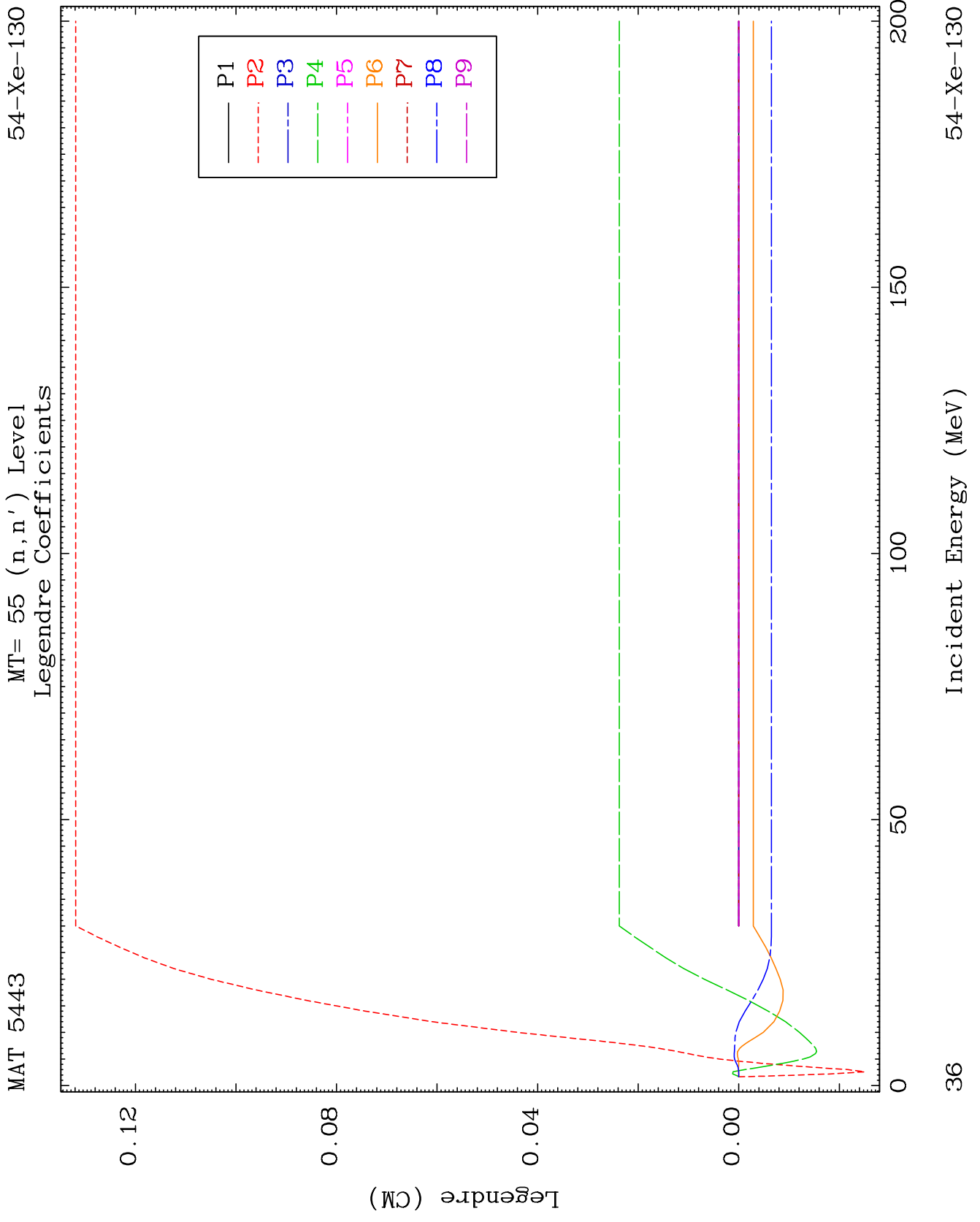
54-Xe-130



35

Incident Energy (MeV)

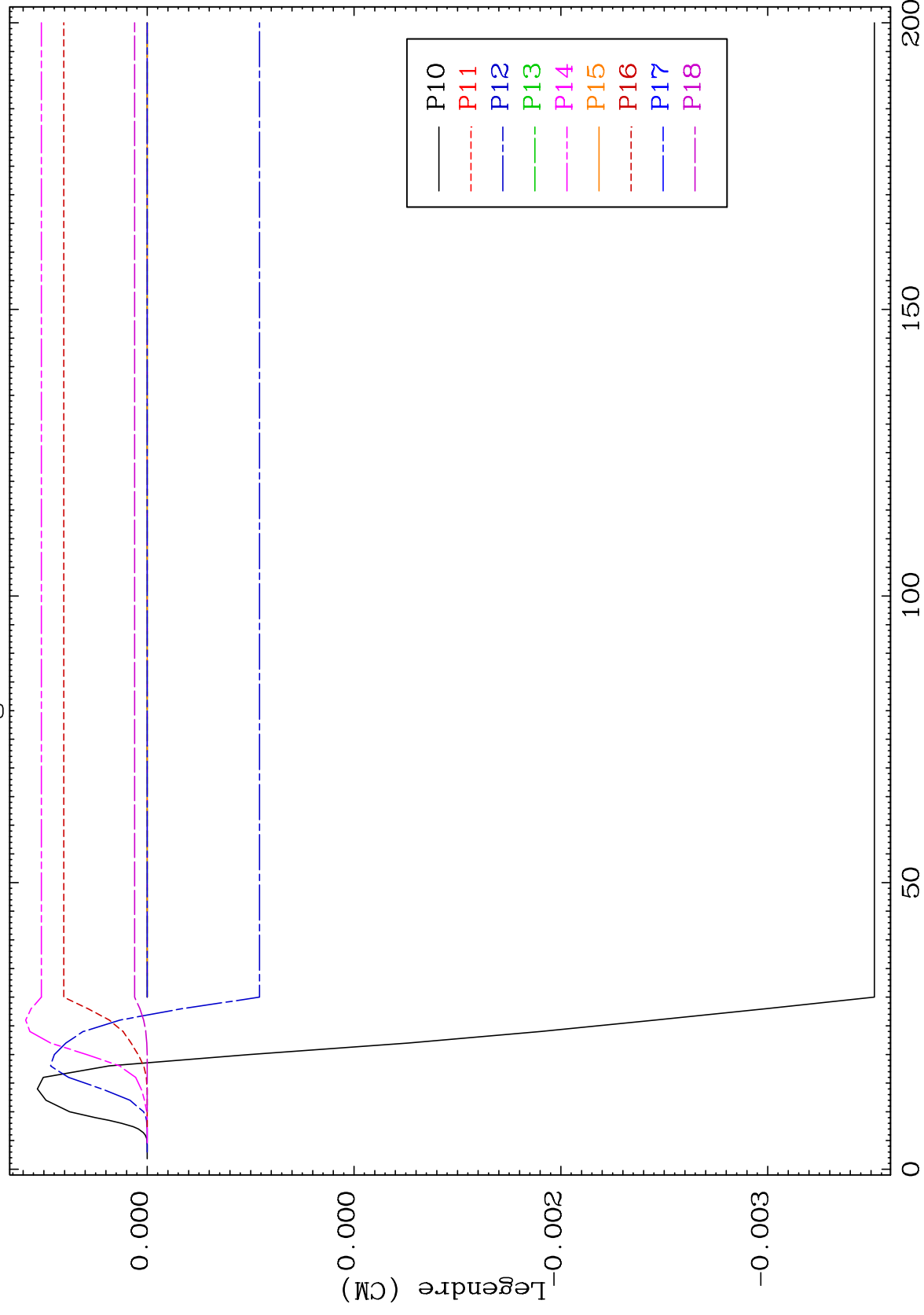
54-Xe-130



MAT 5443

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

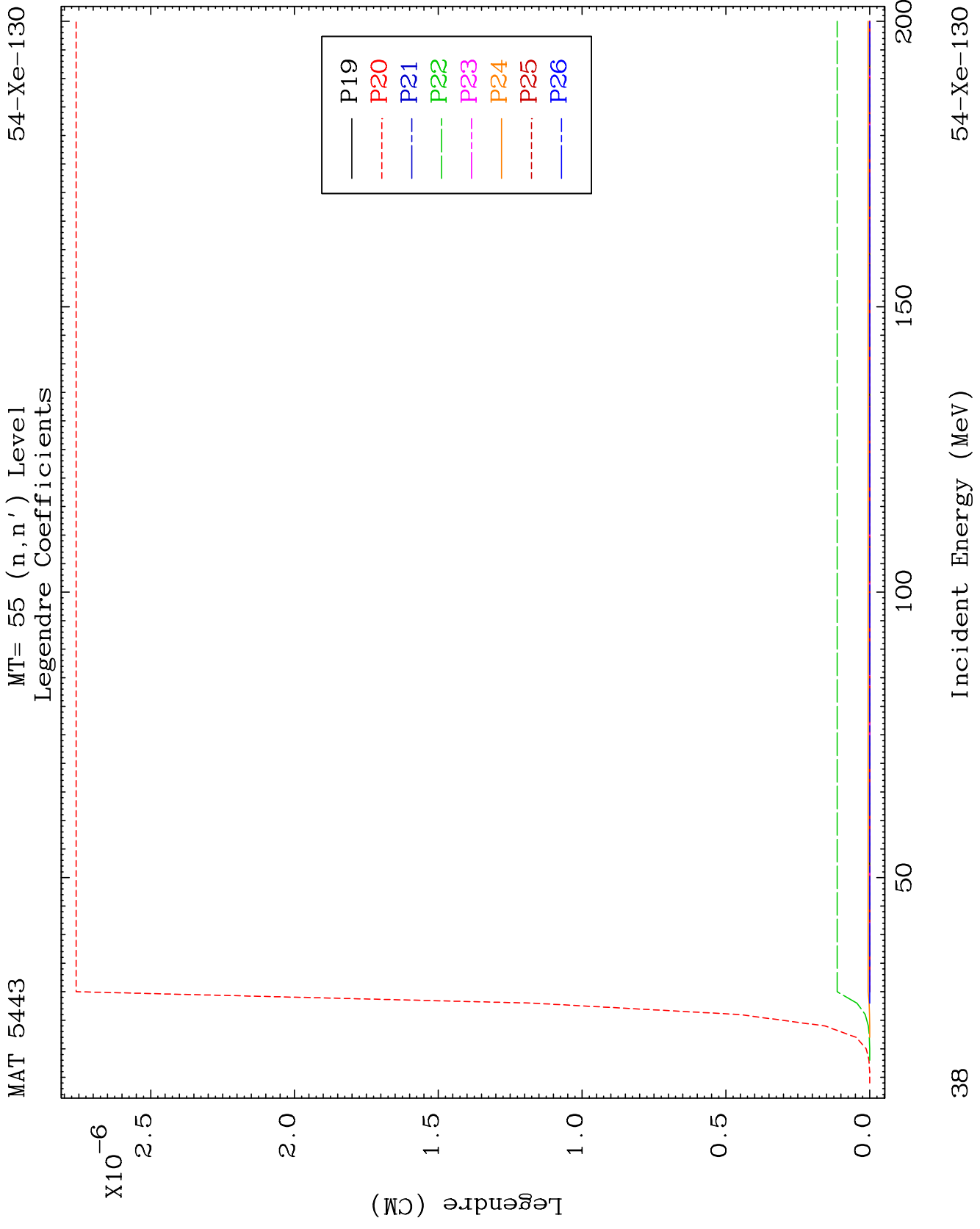
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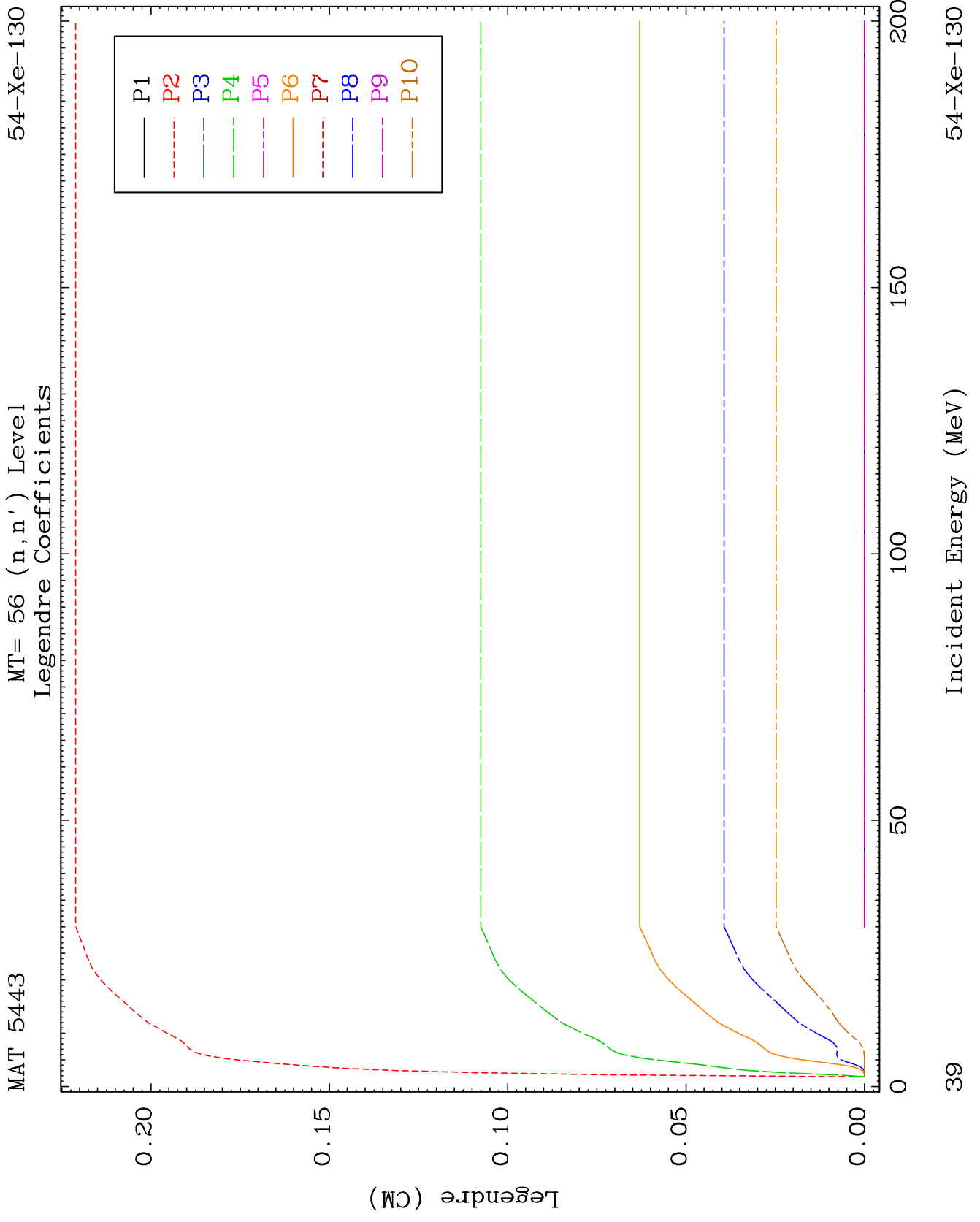


37

Incident Energy (MeV)

54-Xe-130

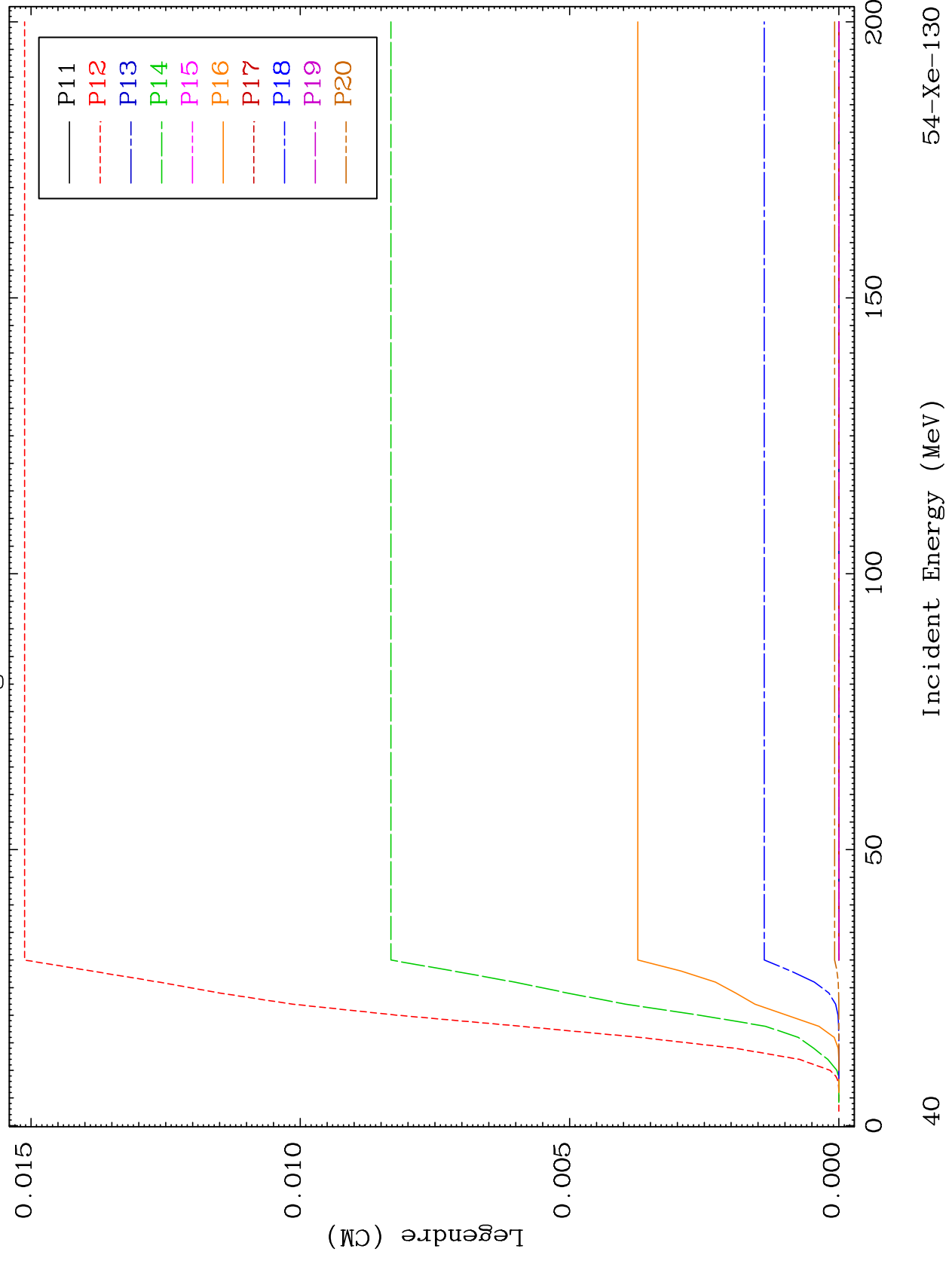




MAT 5443

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

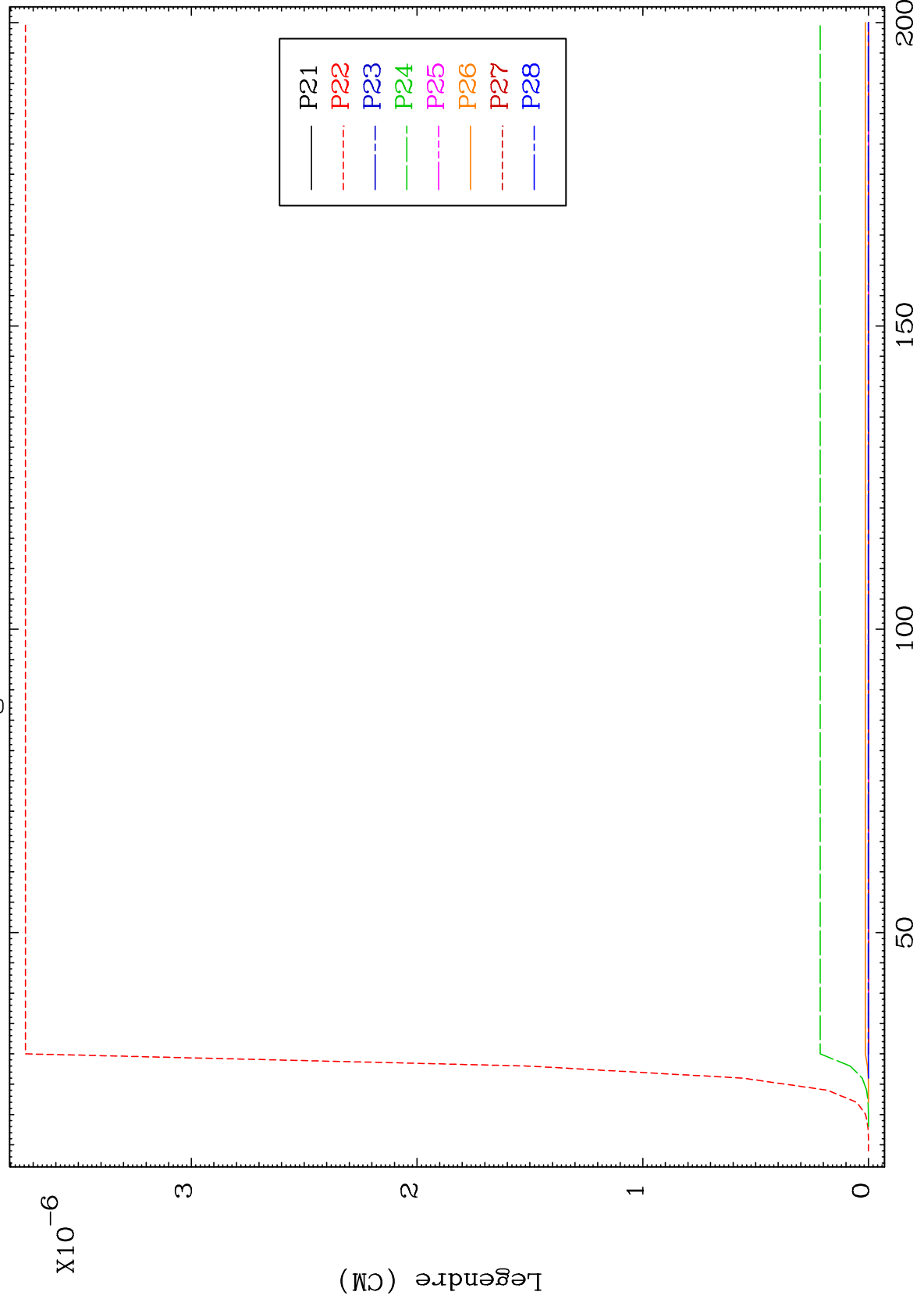
54-Xe-130



MAT 5443

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

54-Xe-130



41

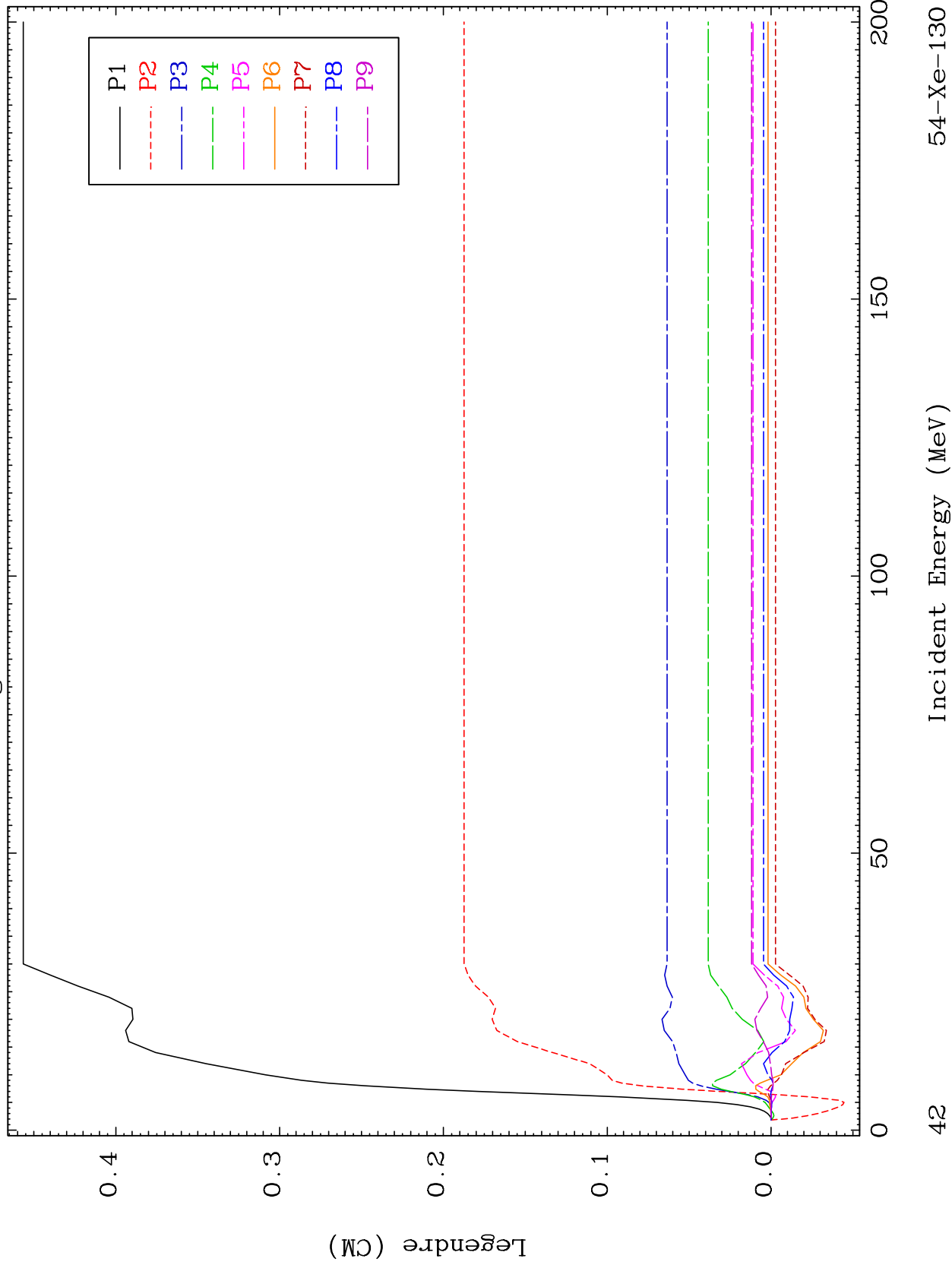
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

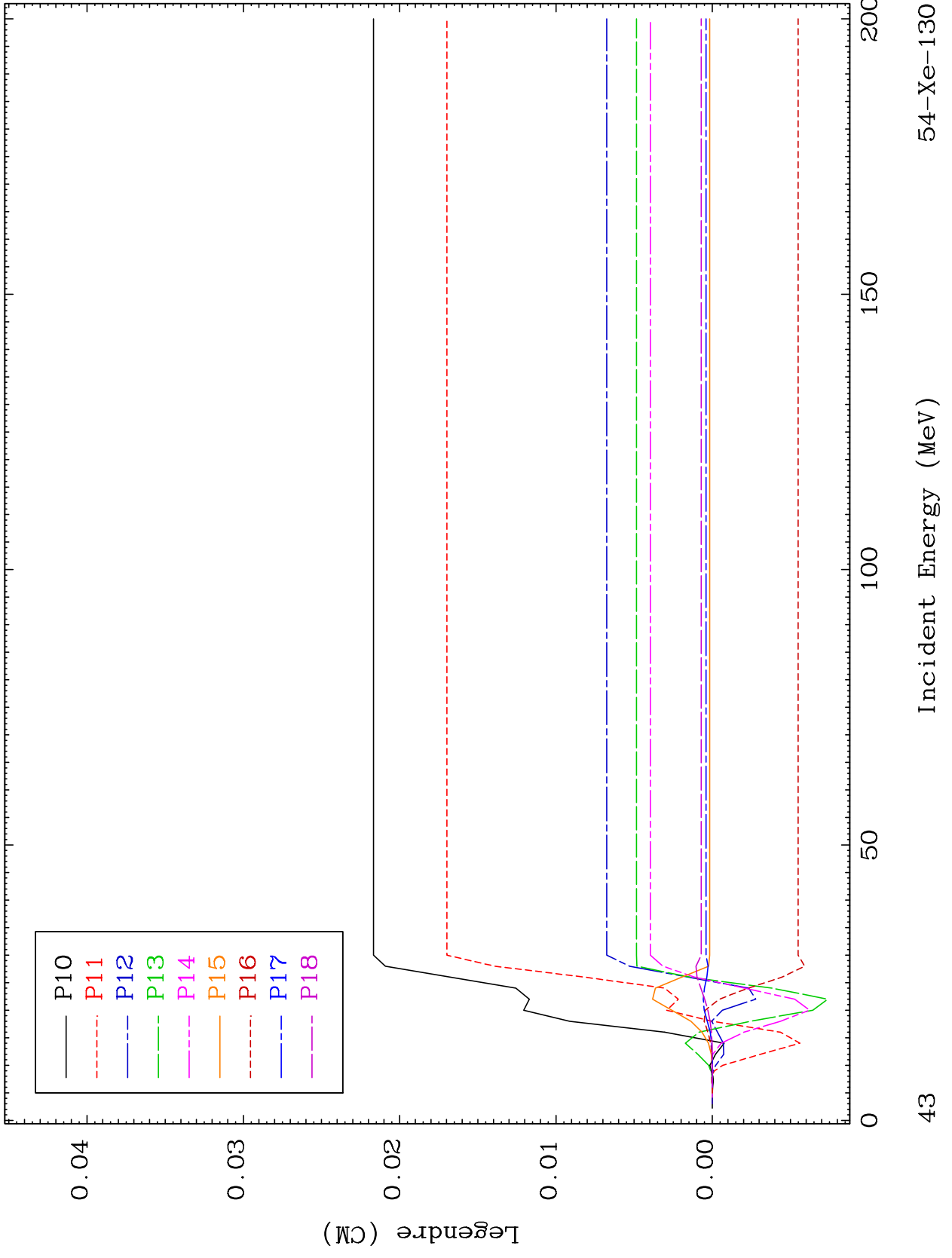
Incident Energy (MeV)

42

MAT 5443

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

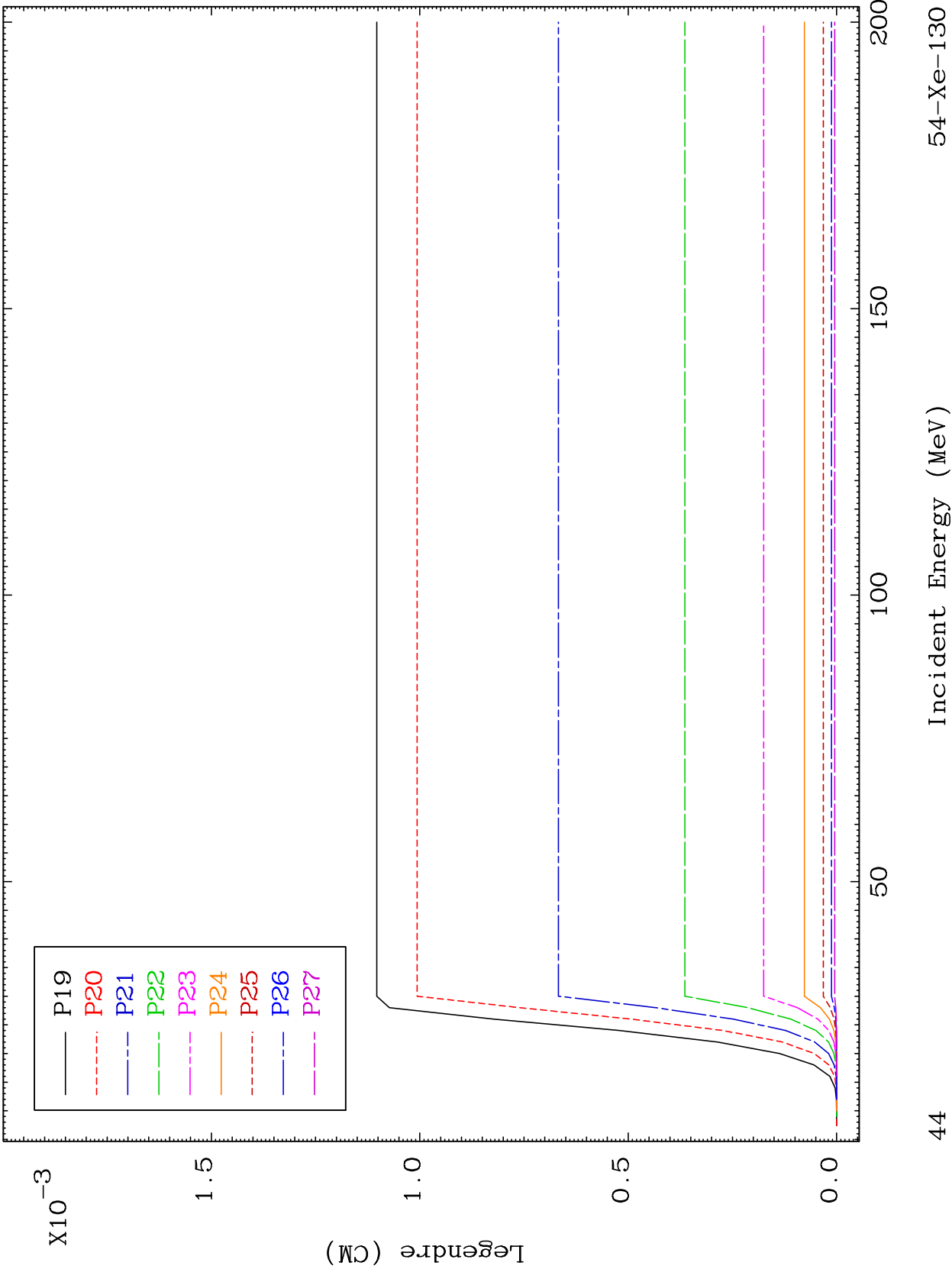
54-Xe-130



MAT 5443

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

54-Xe-130



44

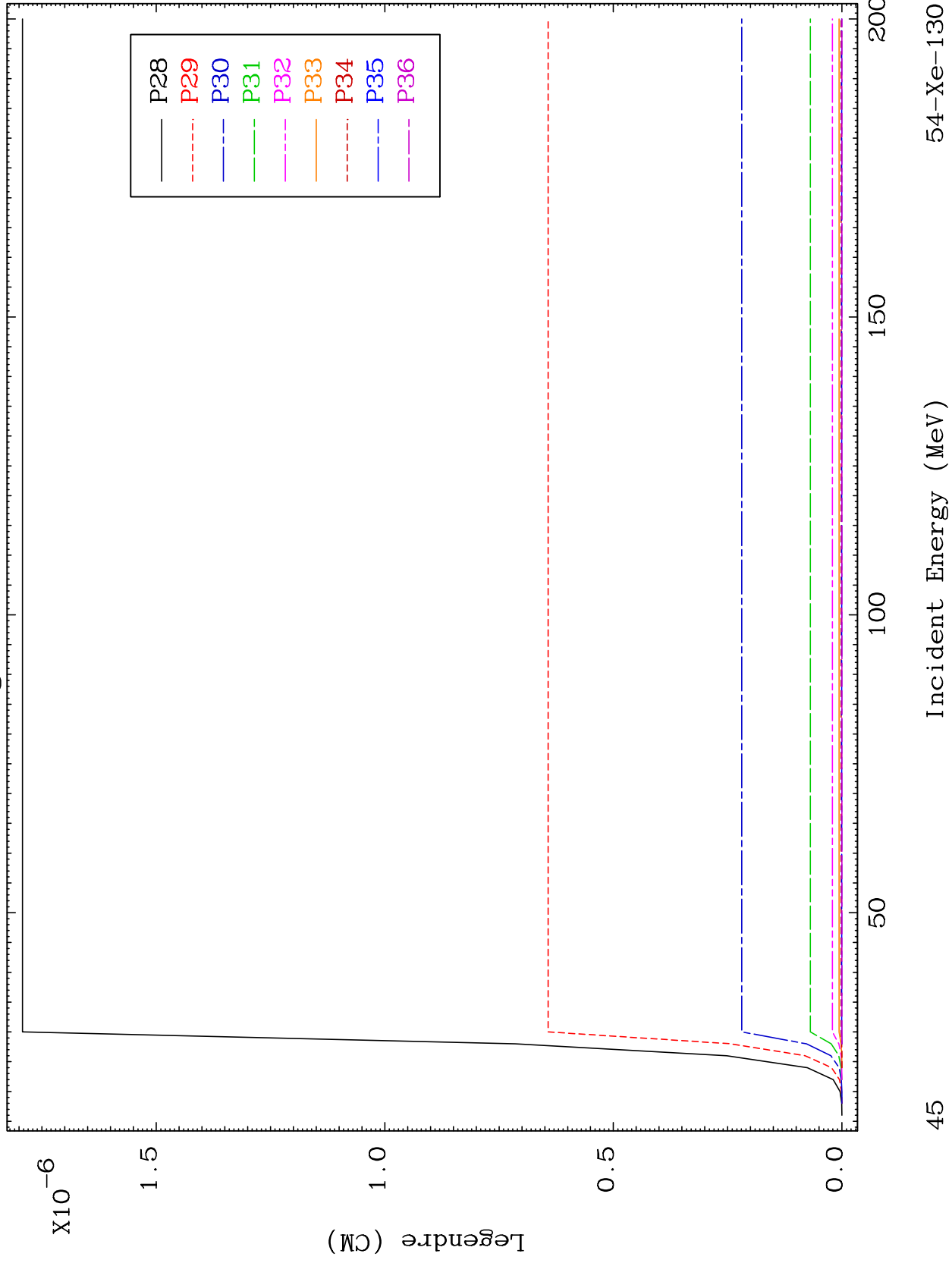
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

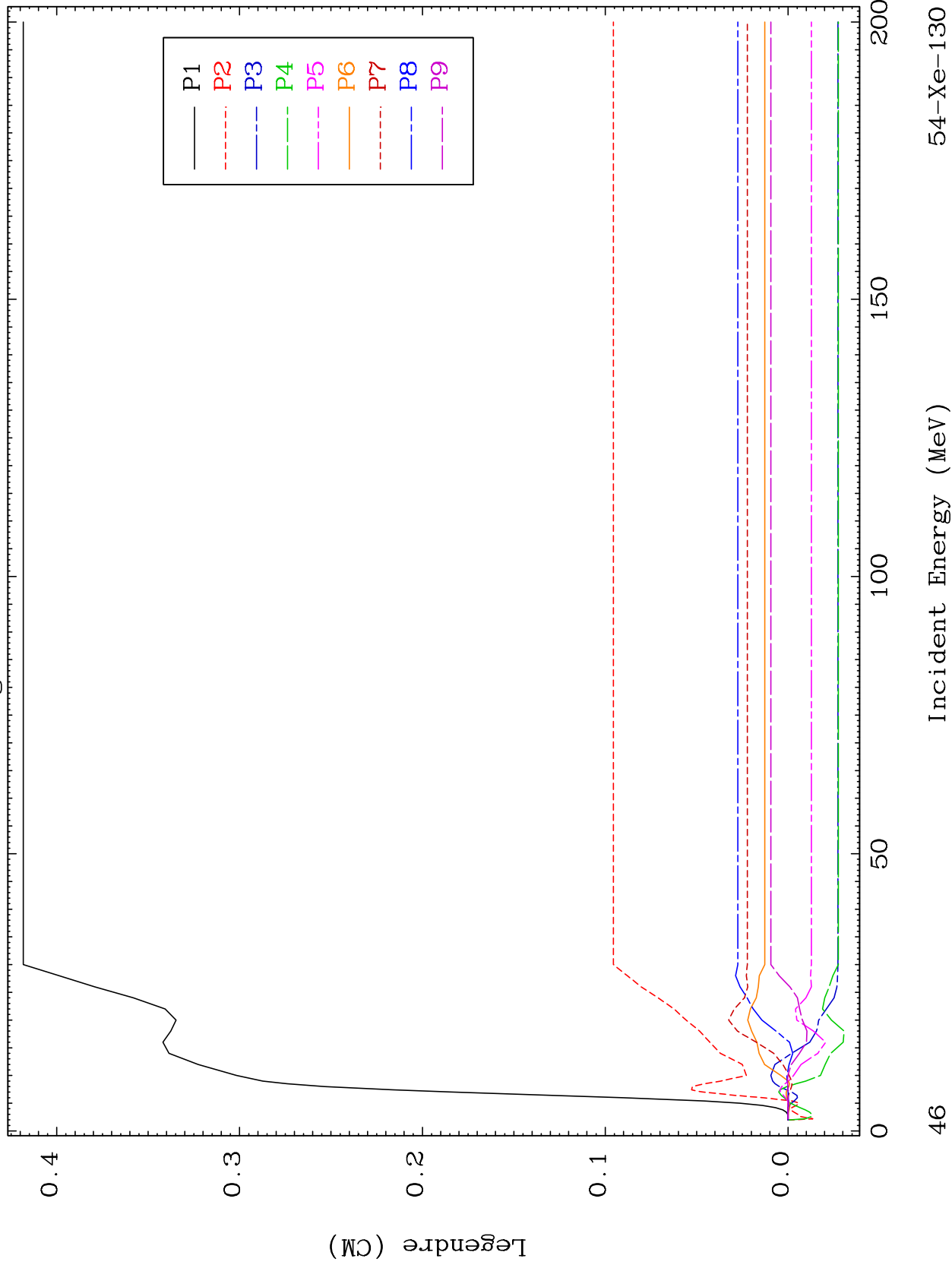
Incident Energy (MeV)

45

MAT 5443

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

54-Xe-130



54-Xe-130

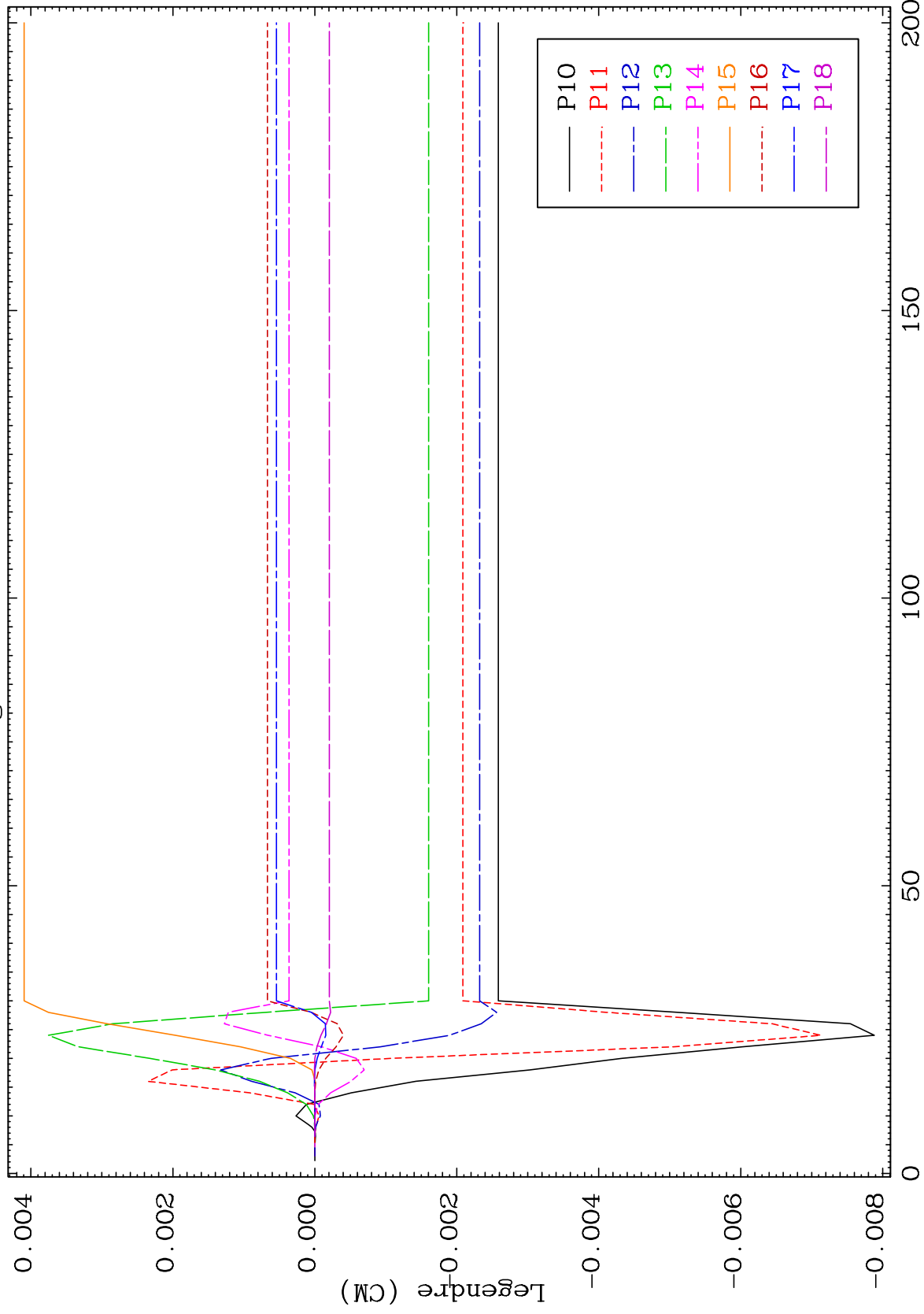
Incident Energy (MeV)

46

MAT 5443

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

54-Xe-130



47

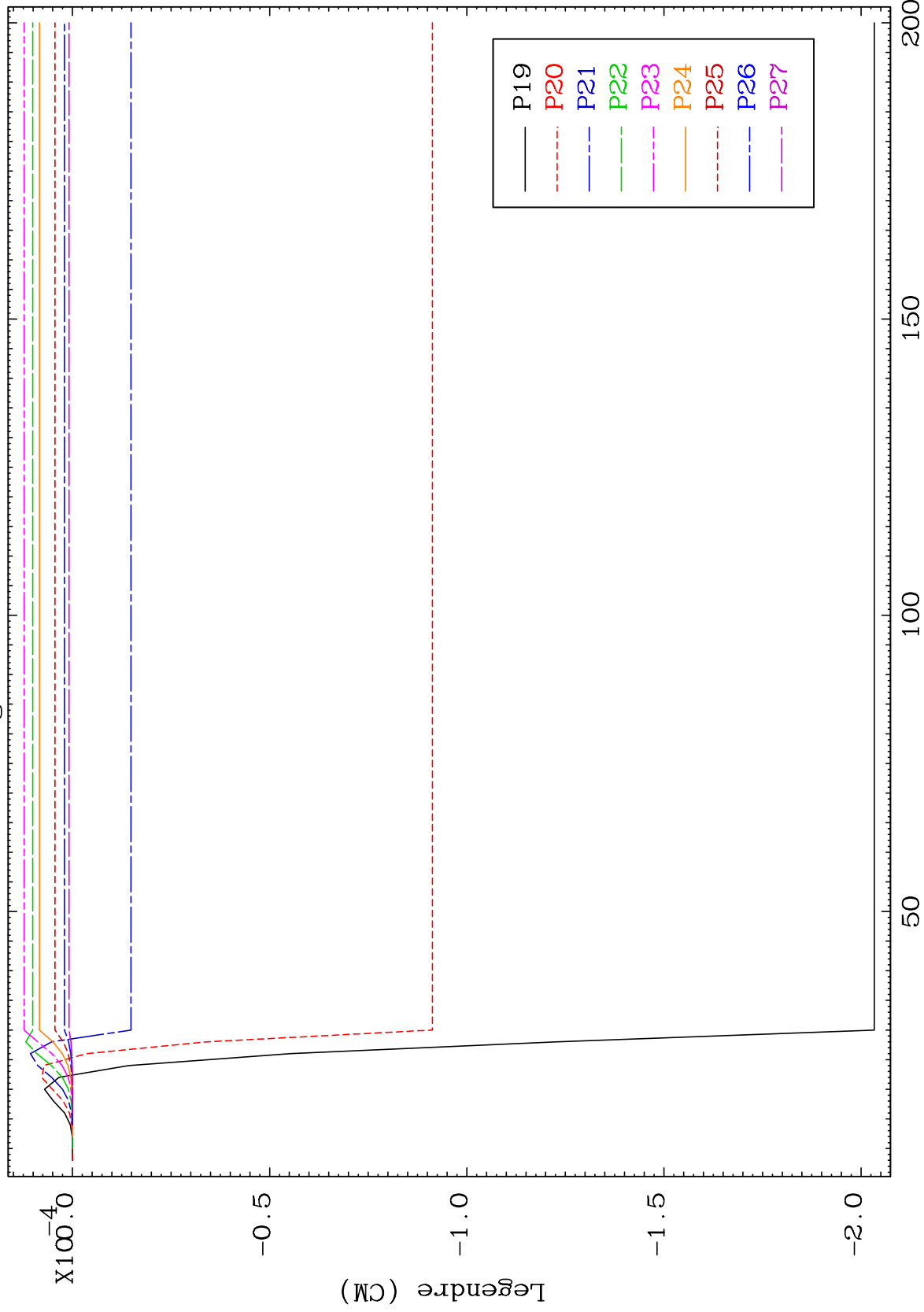
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



48

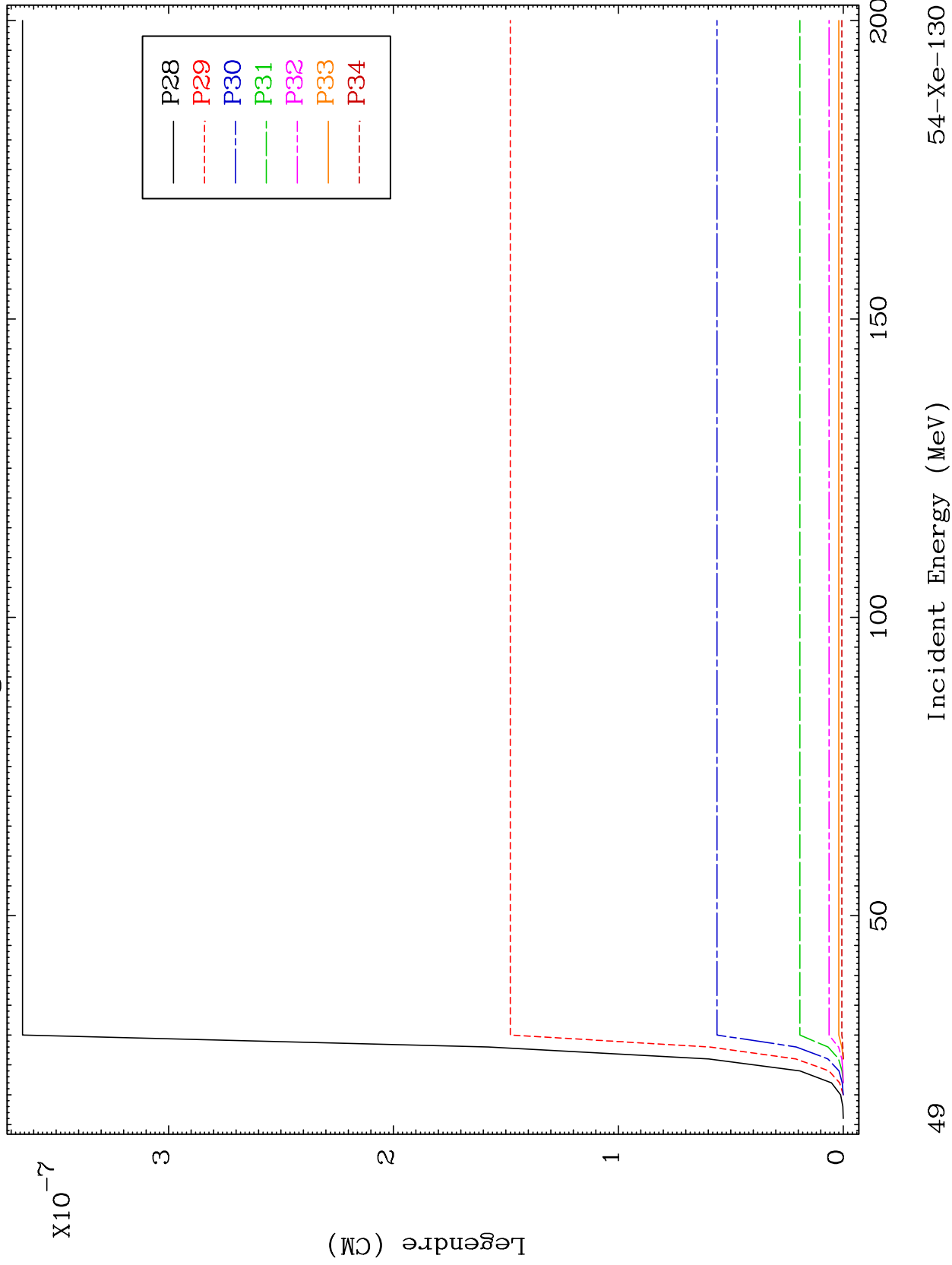
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

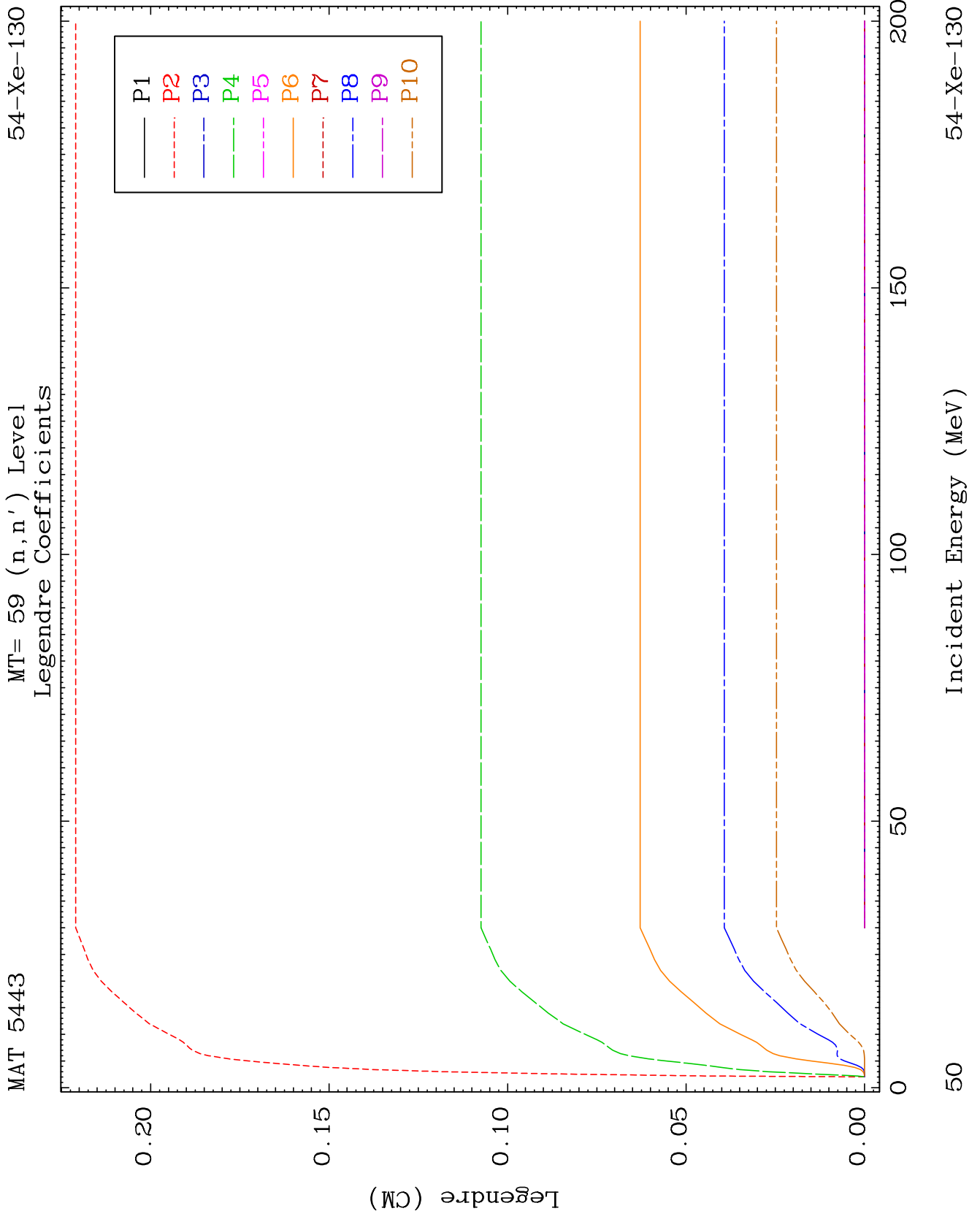
54-Xe-130



49

Incident Energy (MeV)

54-Xe-130

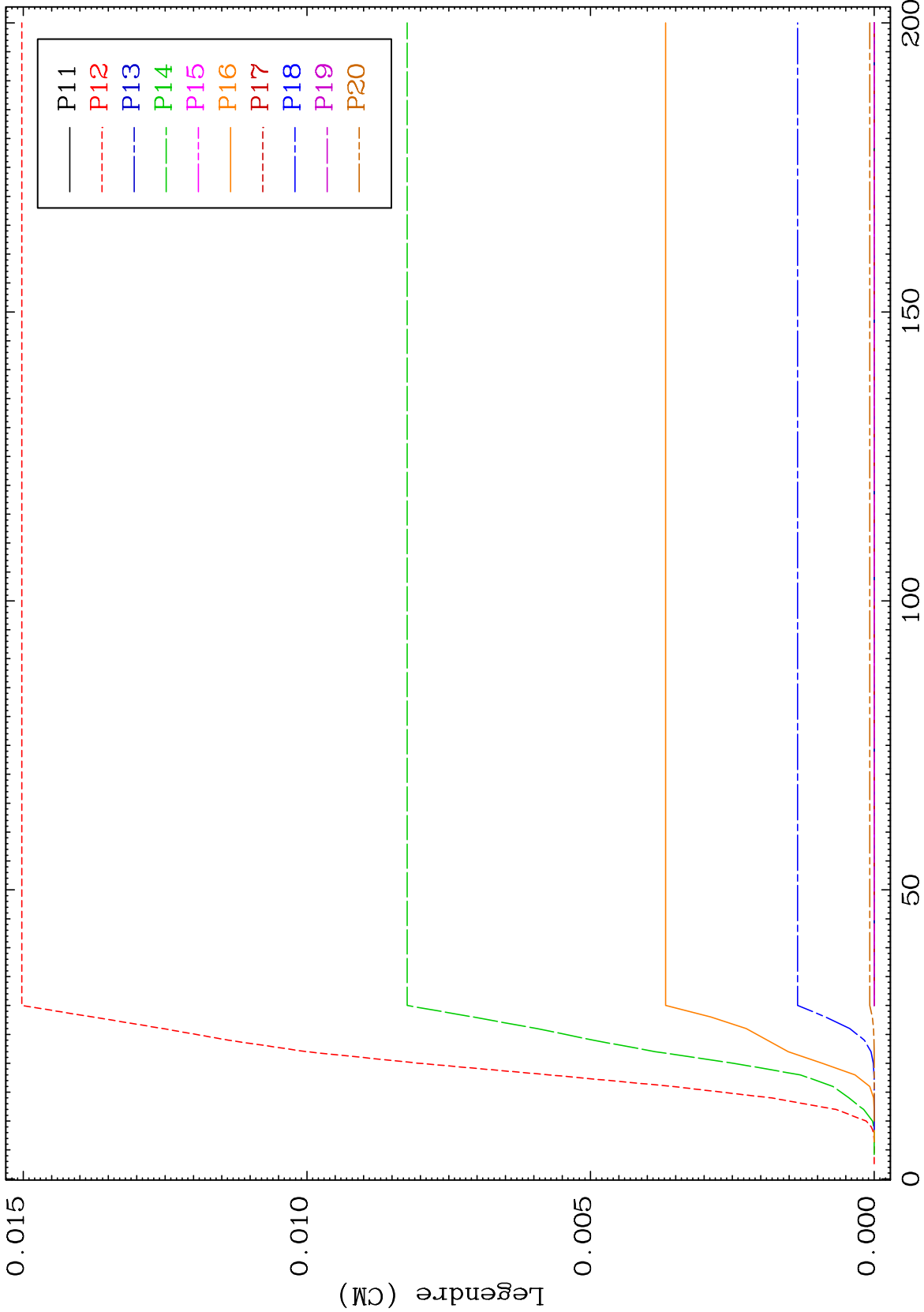


MAT 5443

MT= 59 (n,n') Level

54-Xe-130

Legendre Coefficients



51

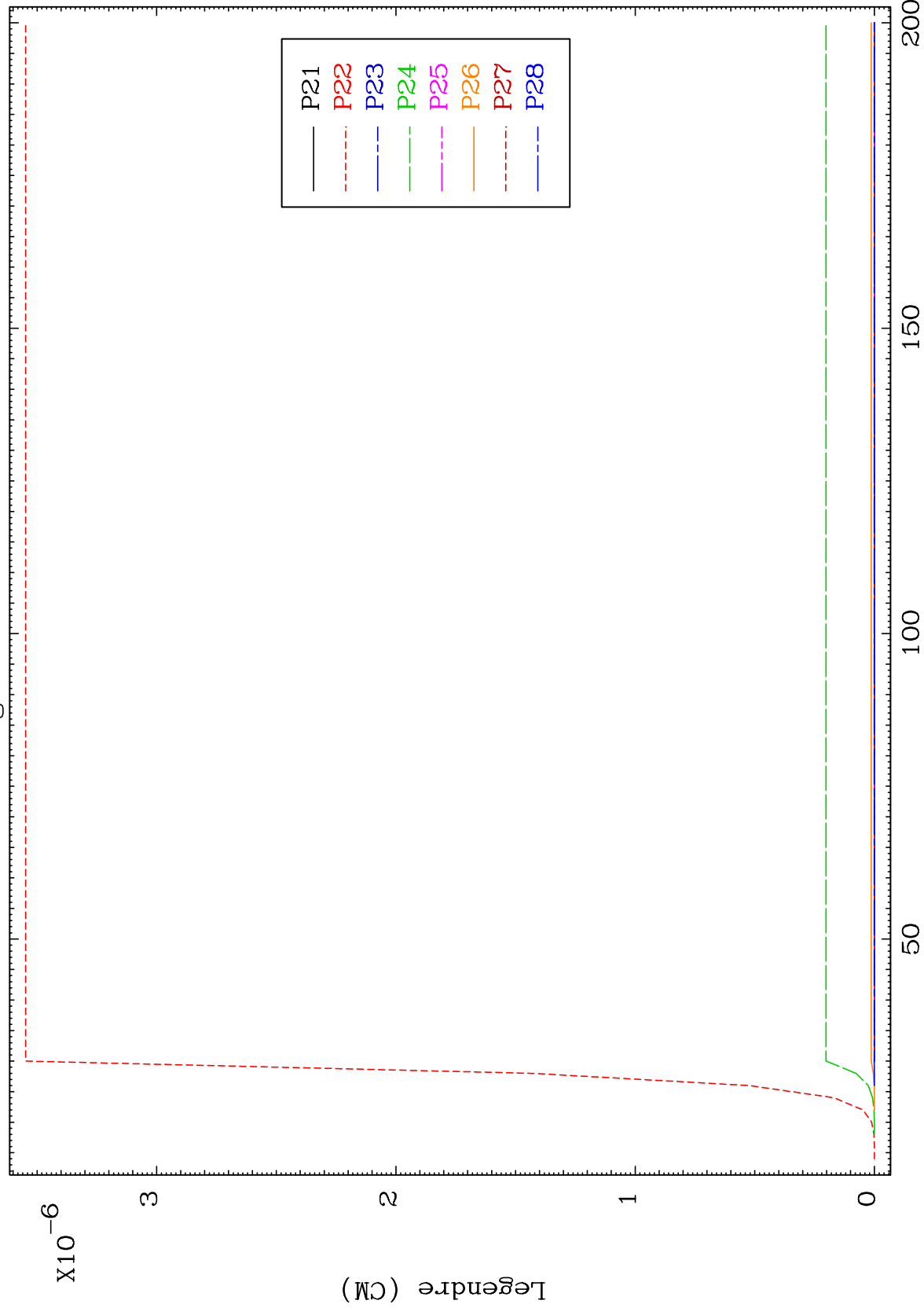
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



52

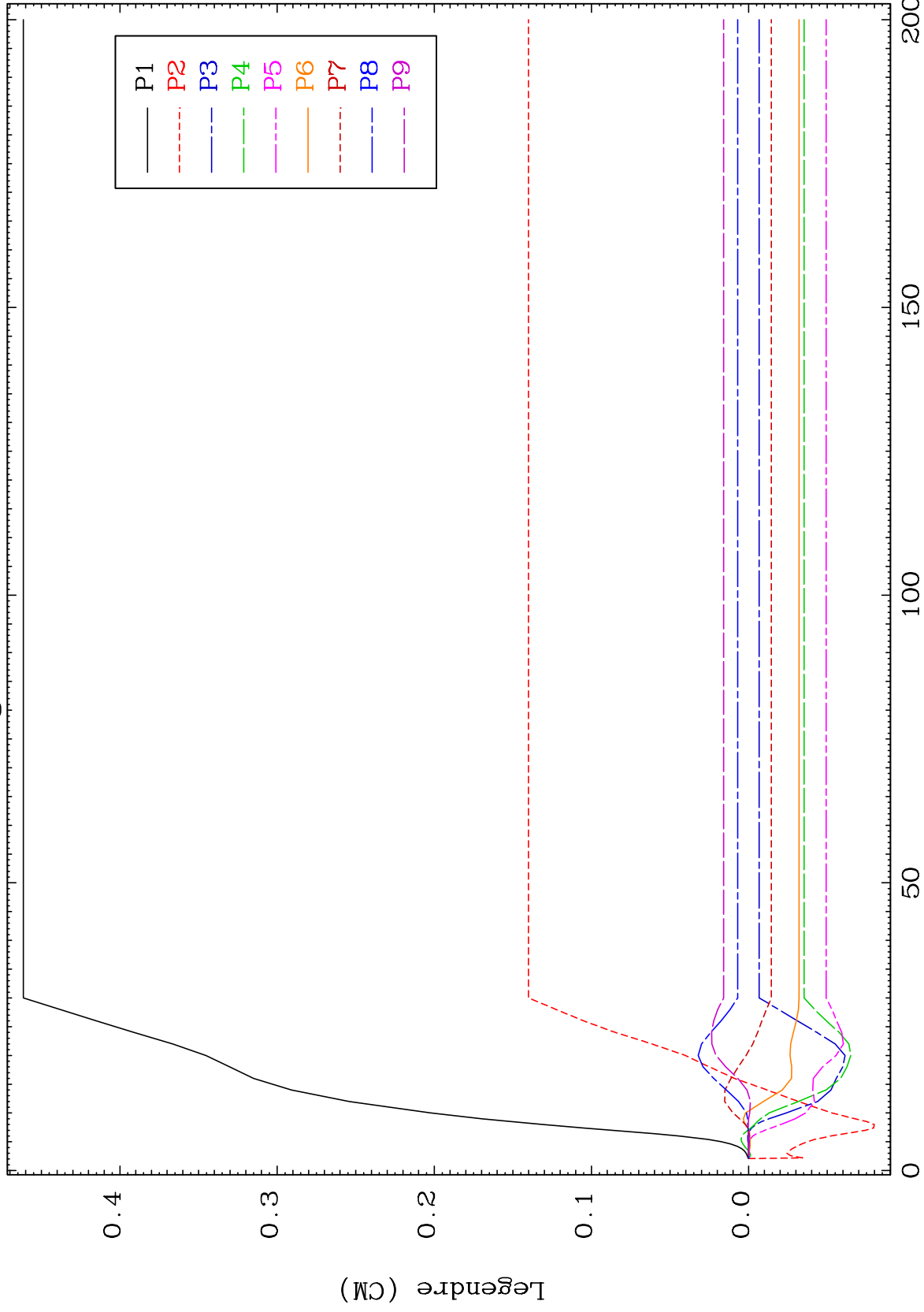
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



53

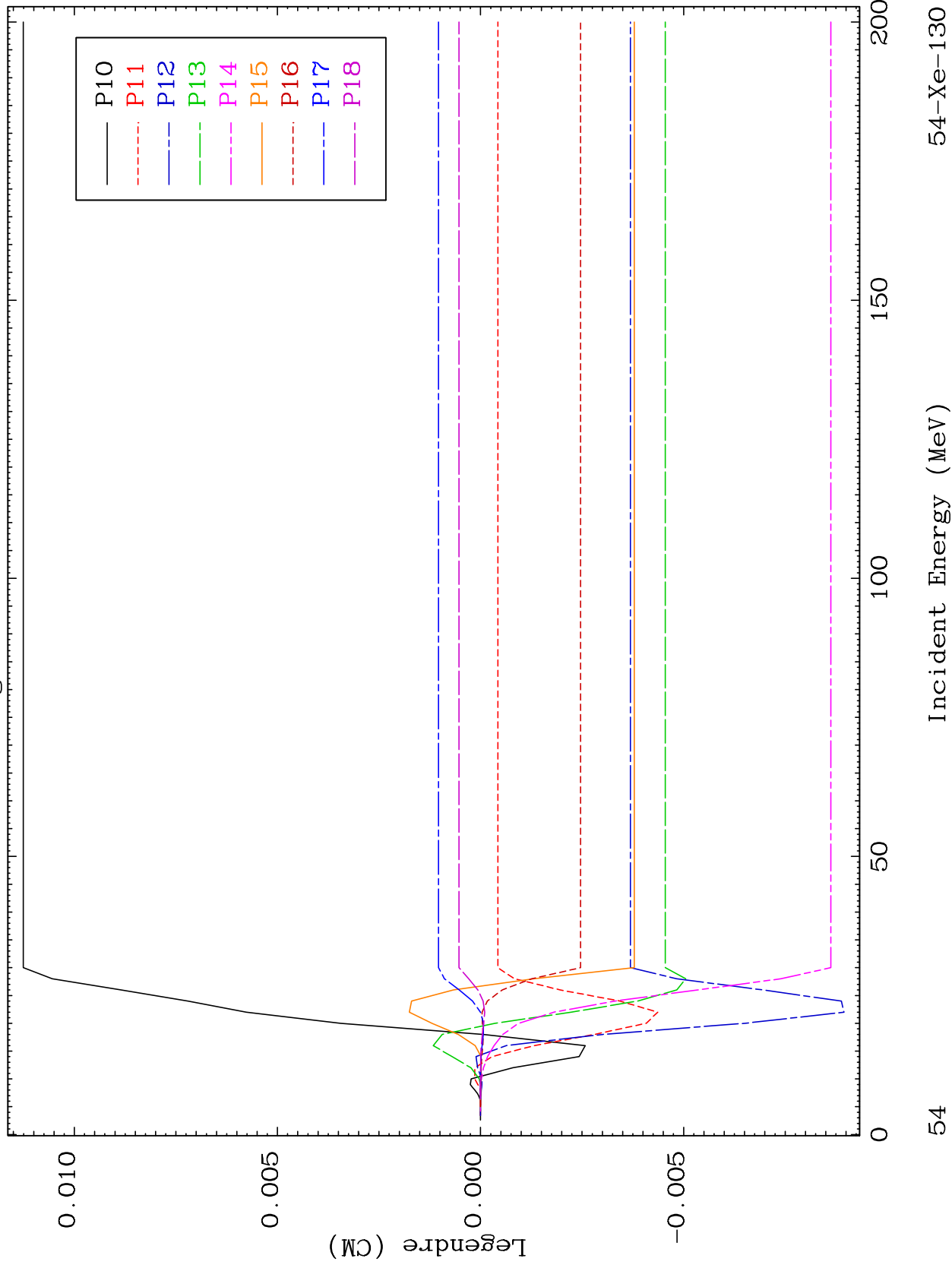
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54

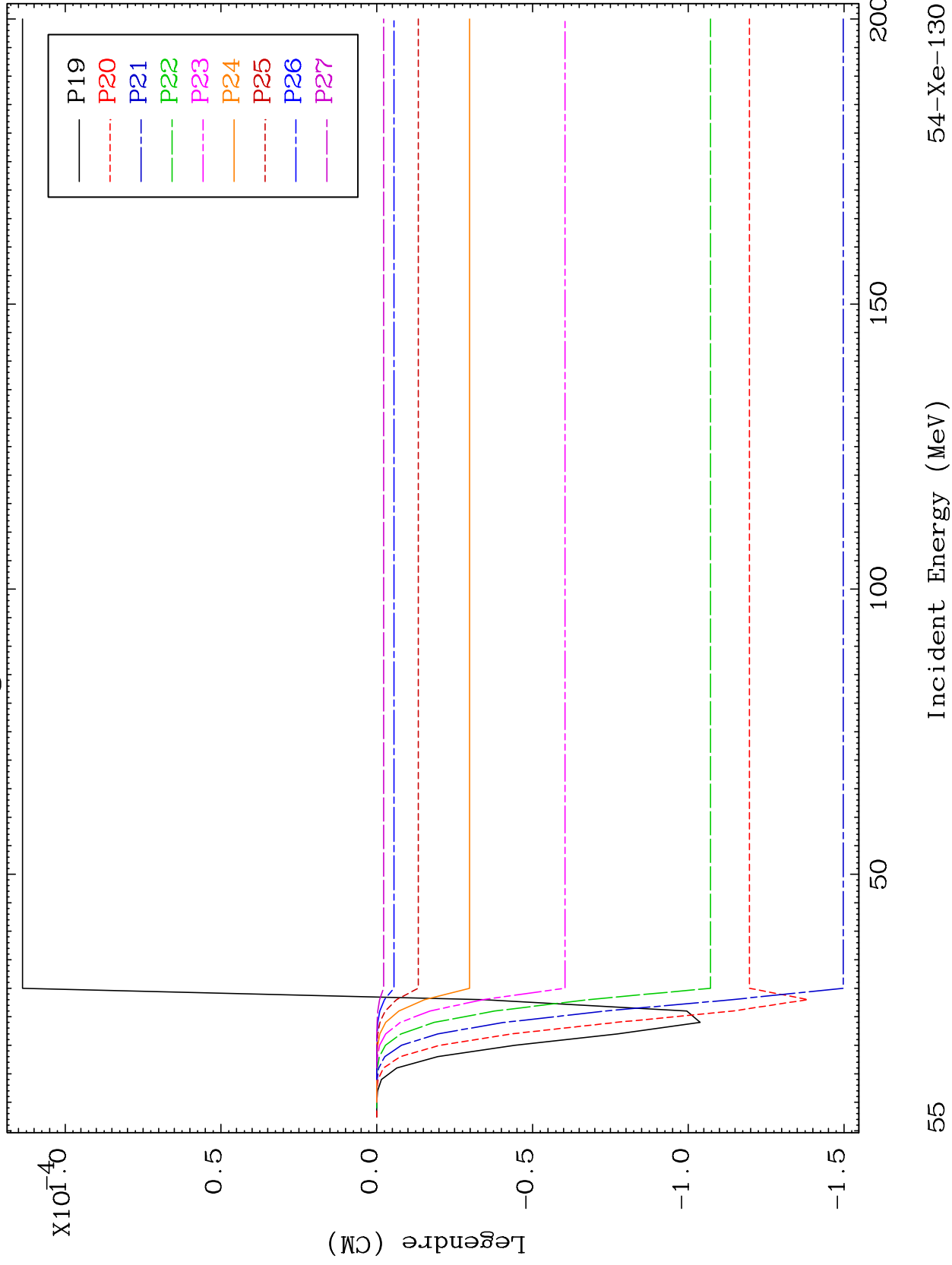
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



55

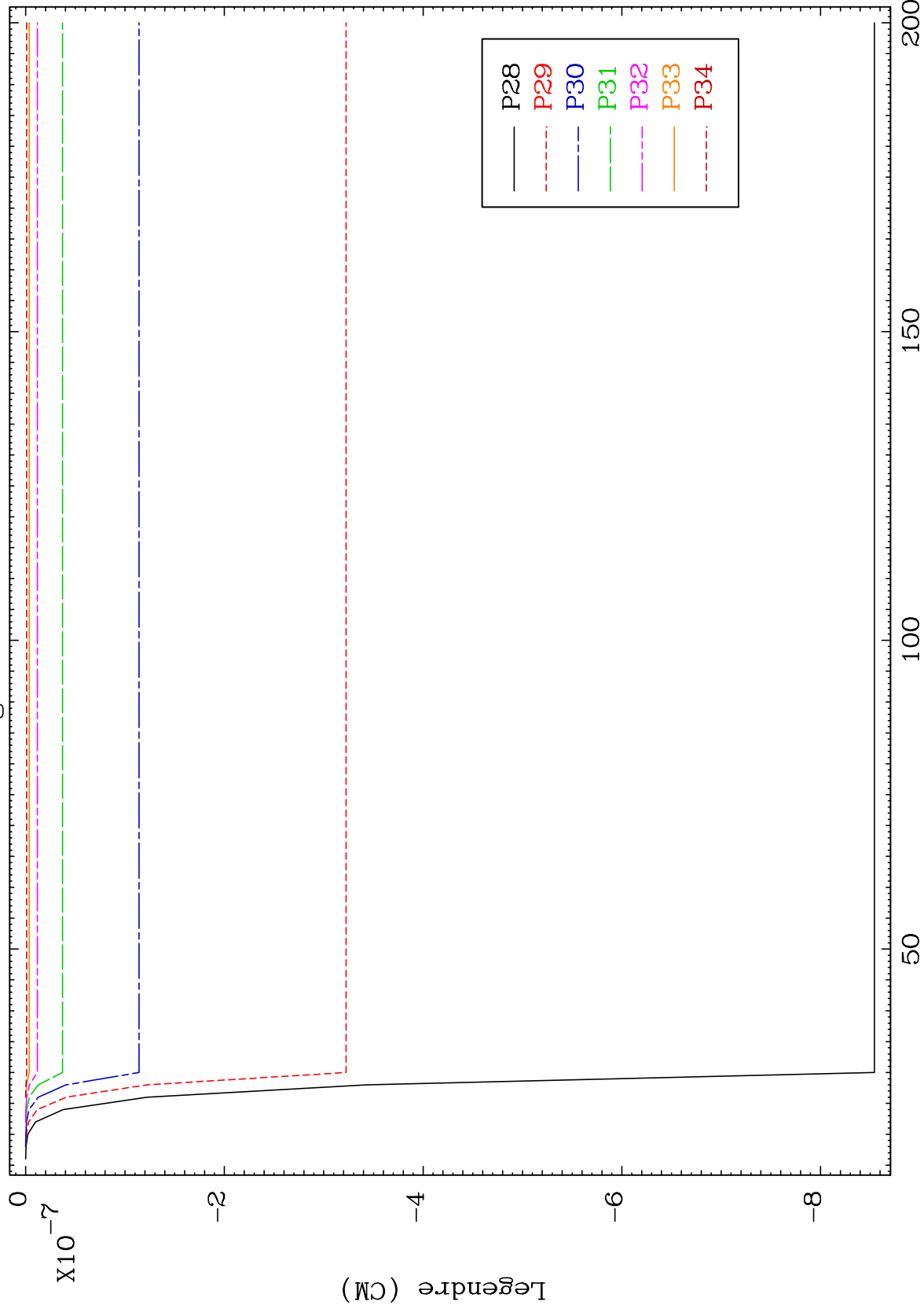
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



56

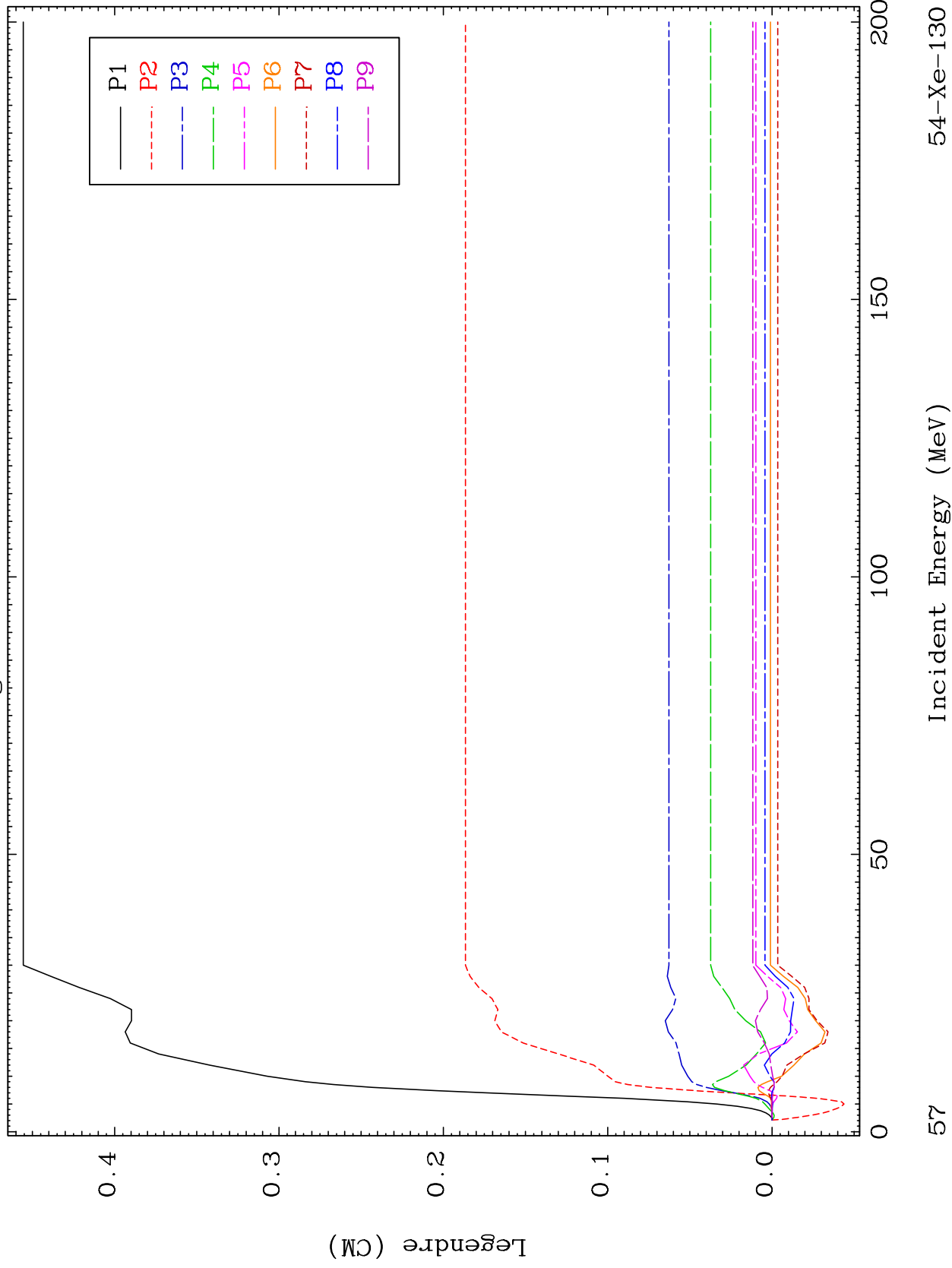
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

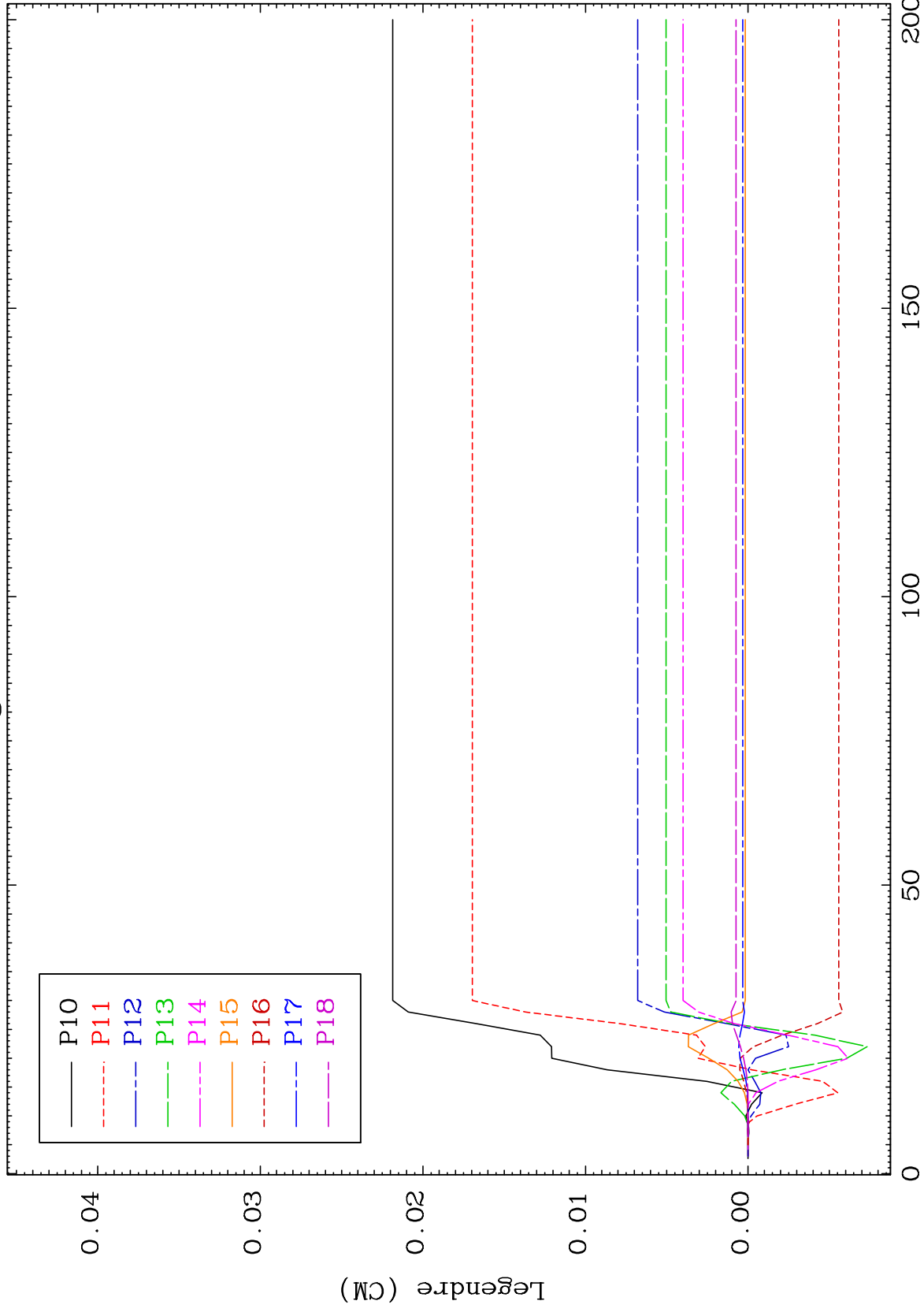
Incident Energy (MeV)

57

MAT 5443

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

54-Xe-130



58

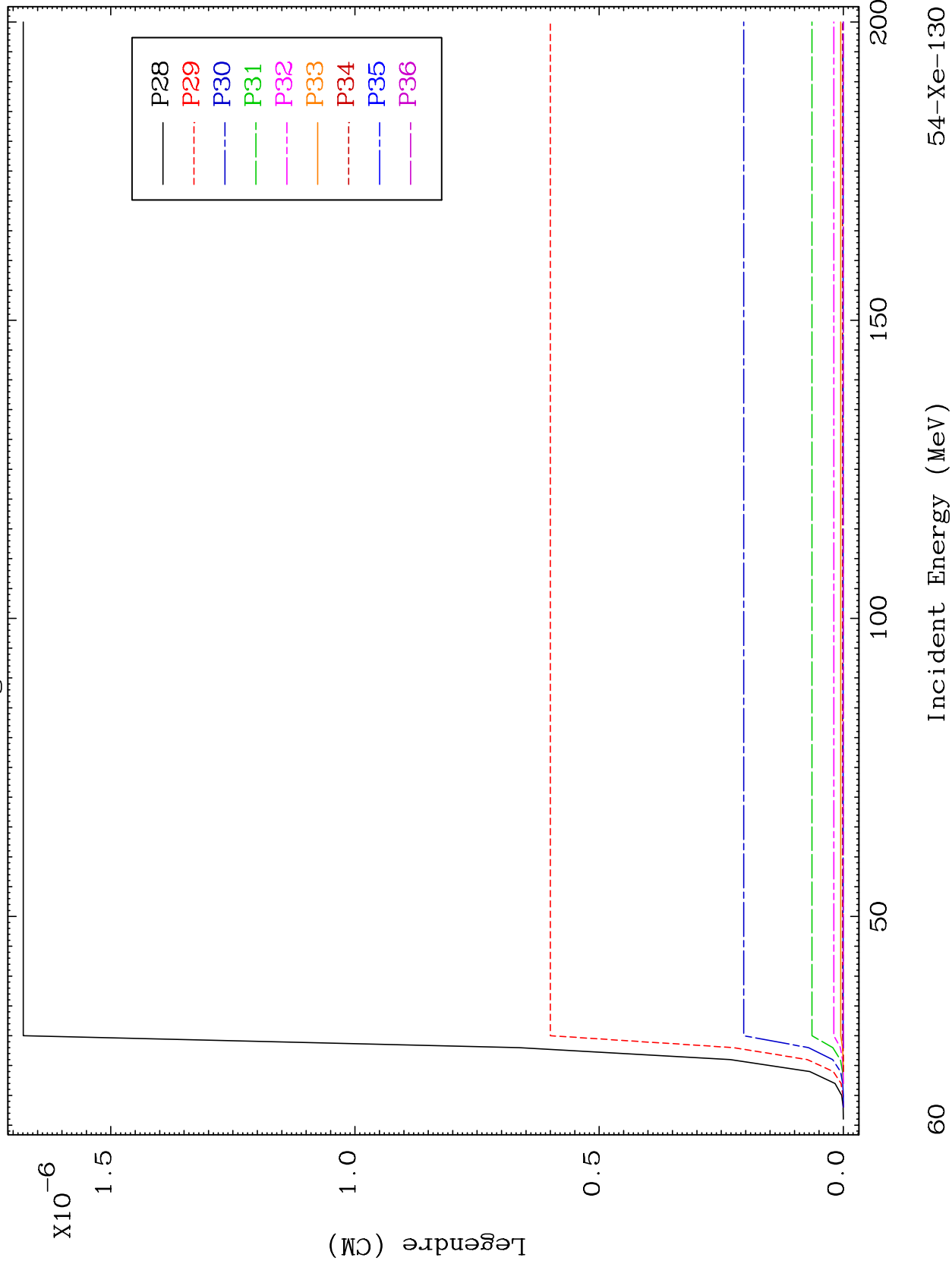
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

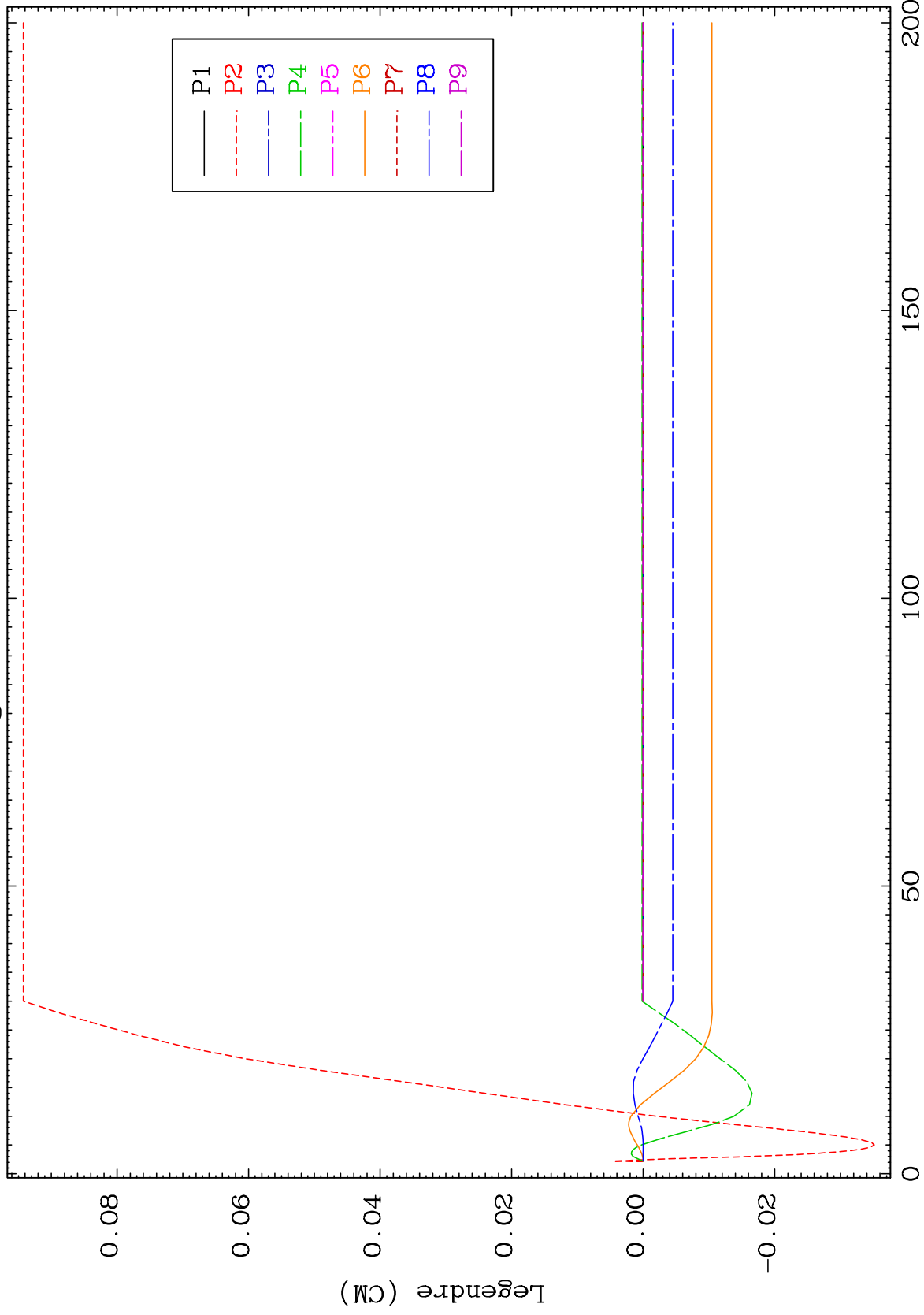
54-Xe-130



MAT 5443

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

54-Xe-130



61

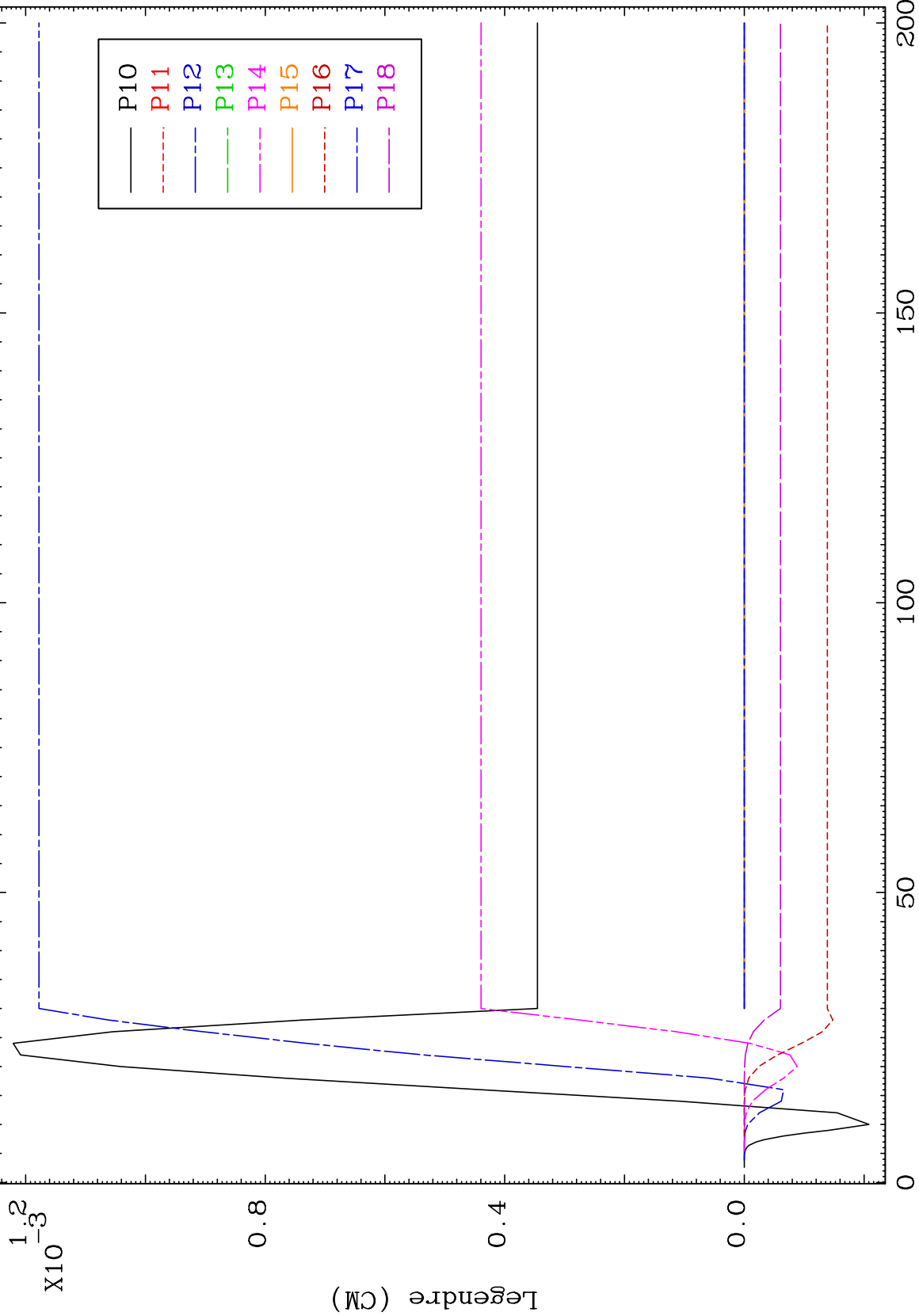
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

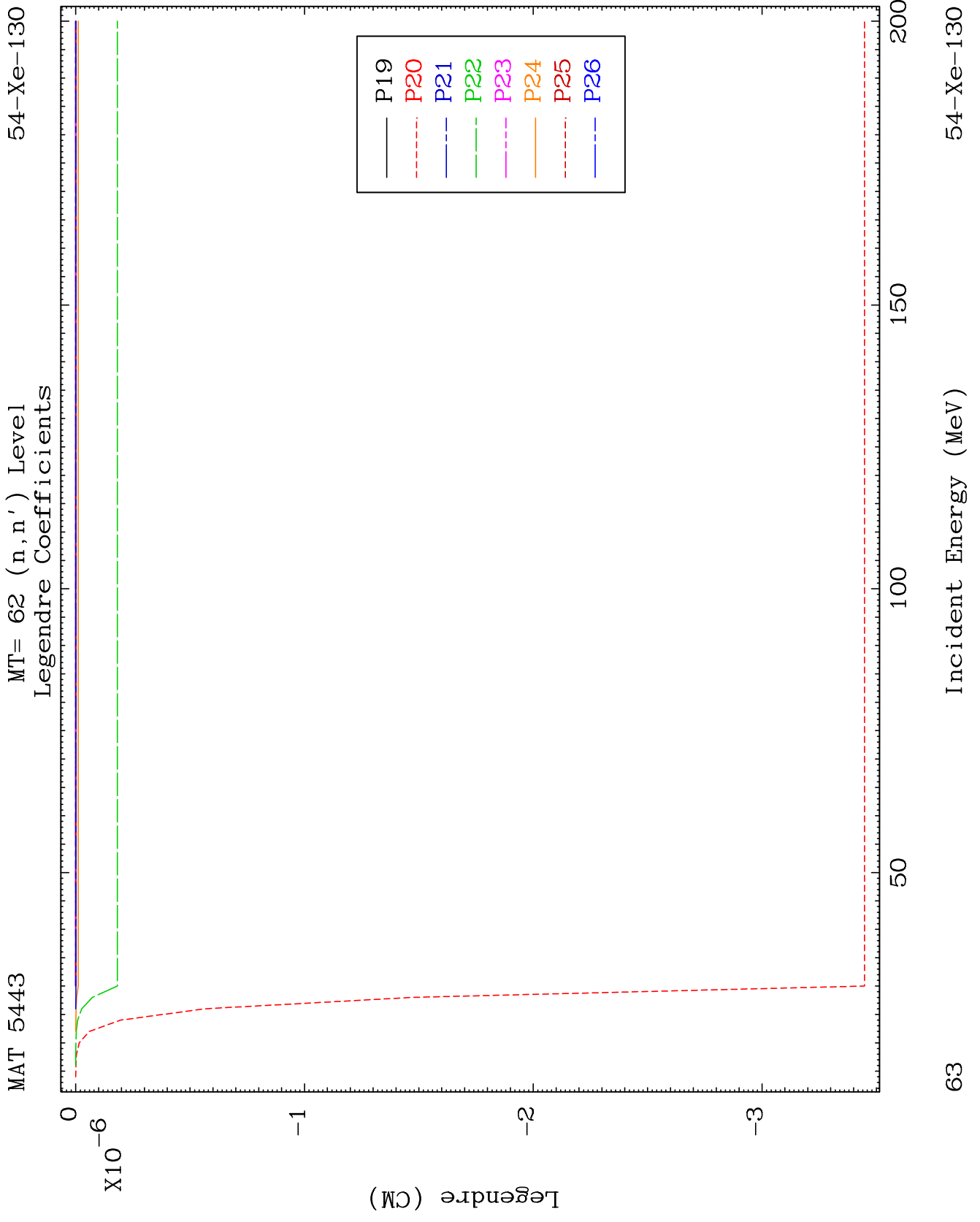
54-Xe-130



62

Incident Energy (MeV)

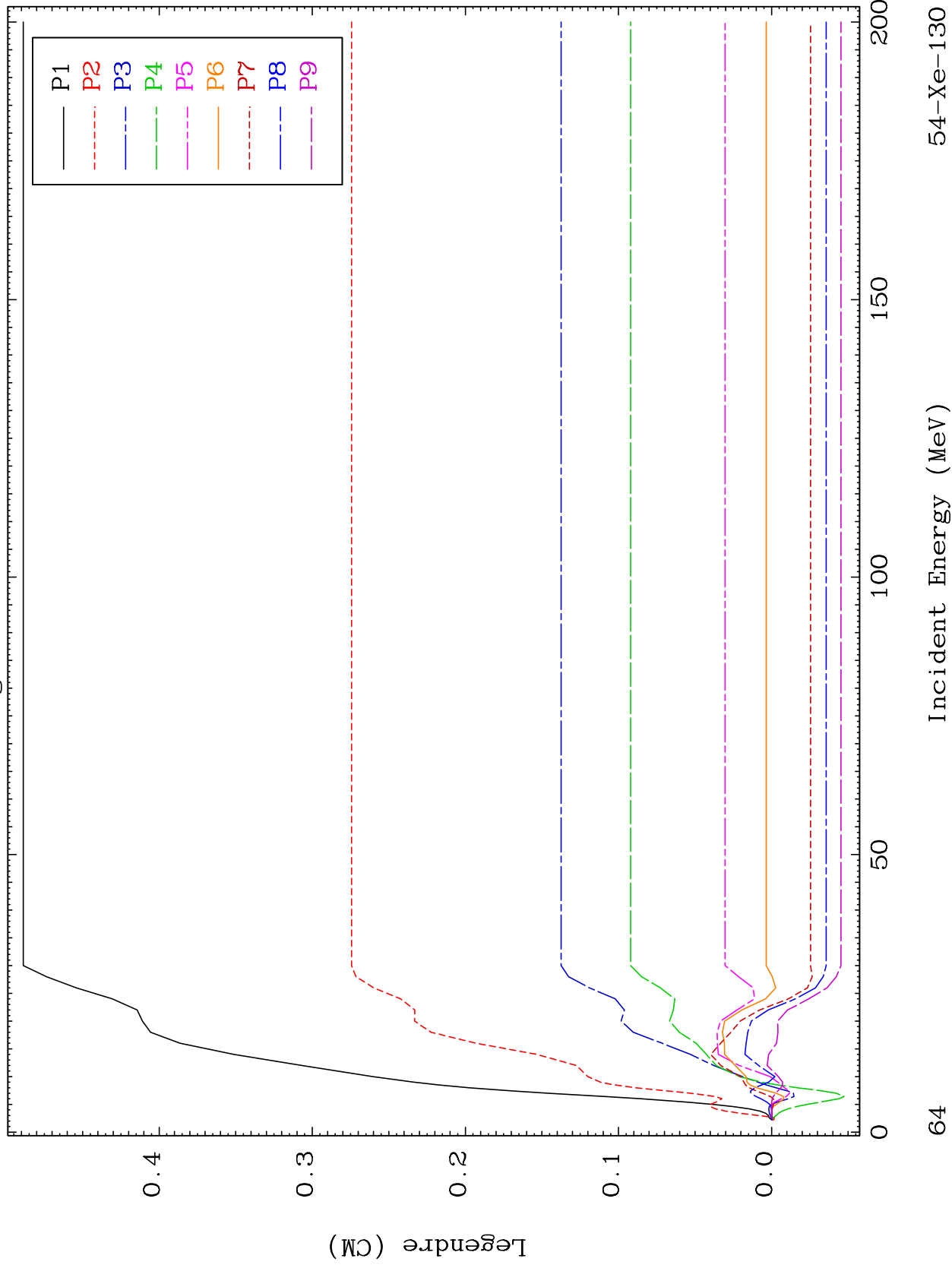
54-Xe-130



MAT 5443

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

54-Xe-130



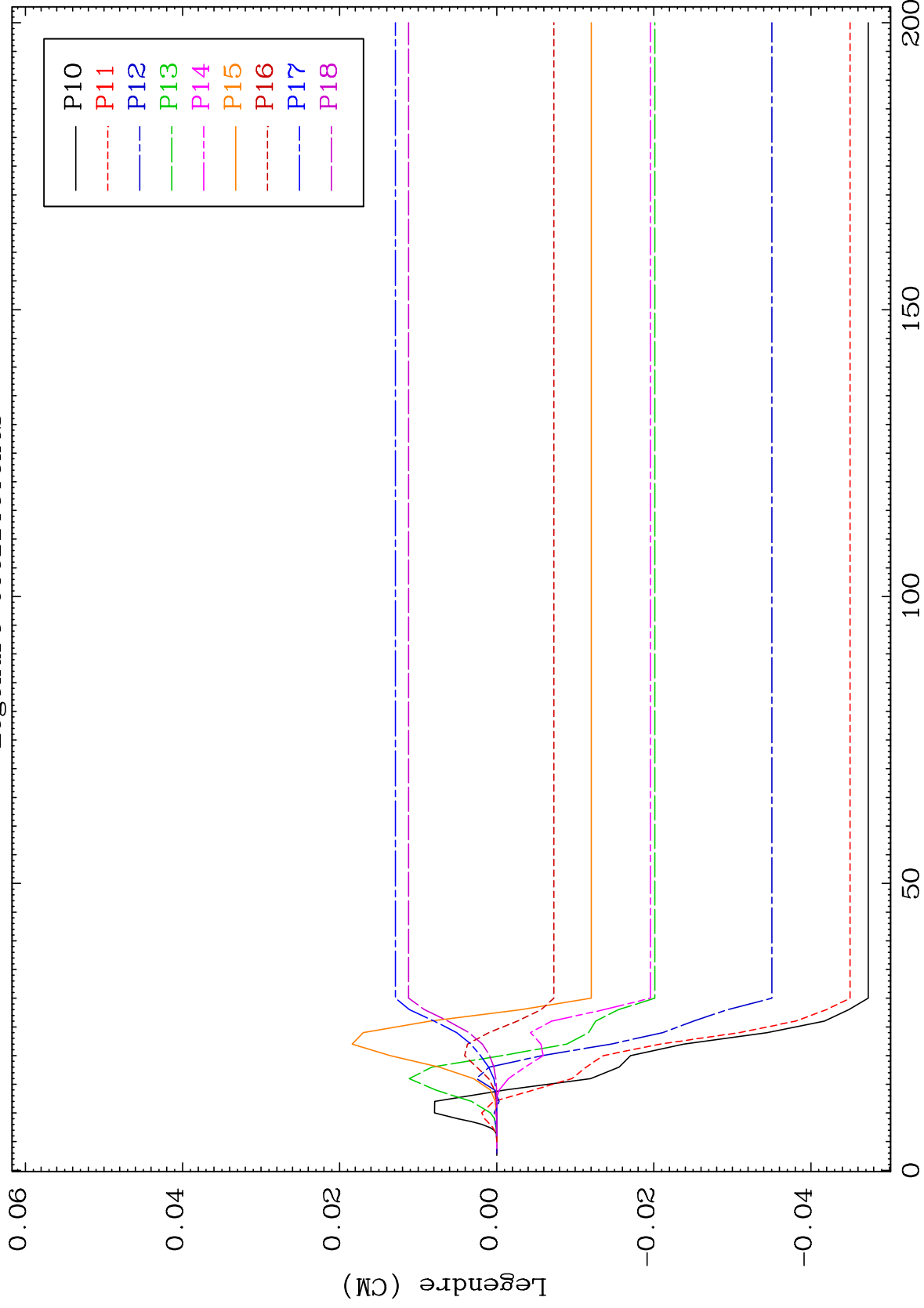
64

54-Xe-130

MAT 5443

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

54-Xe-130



65

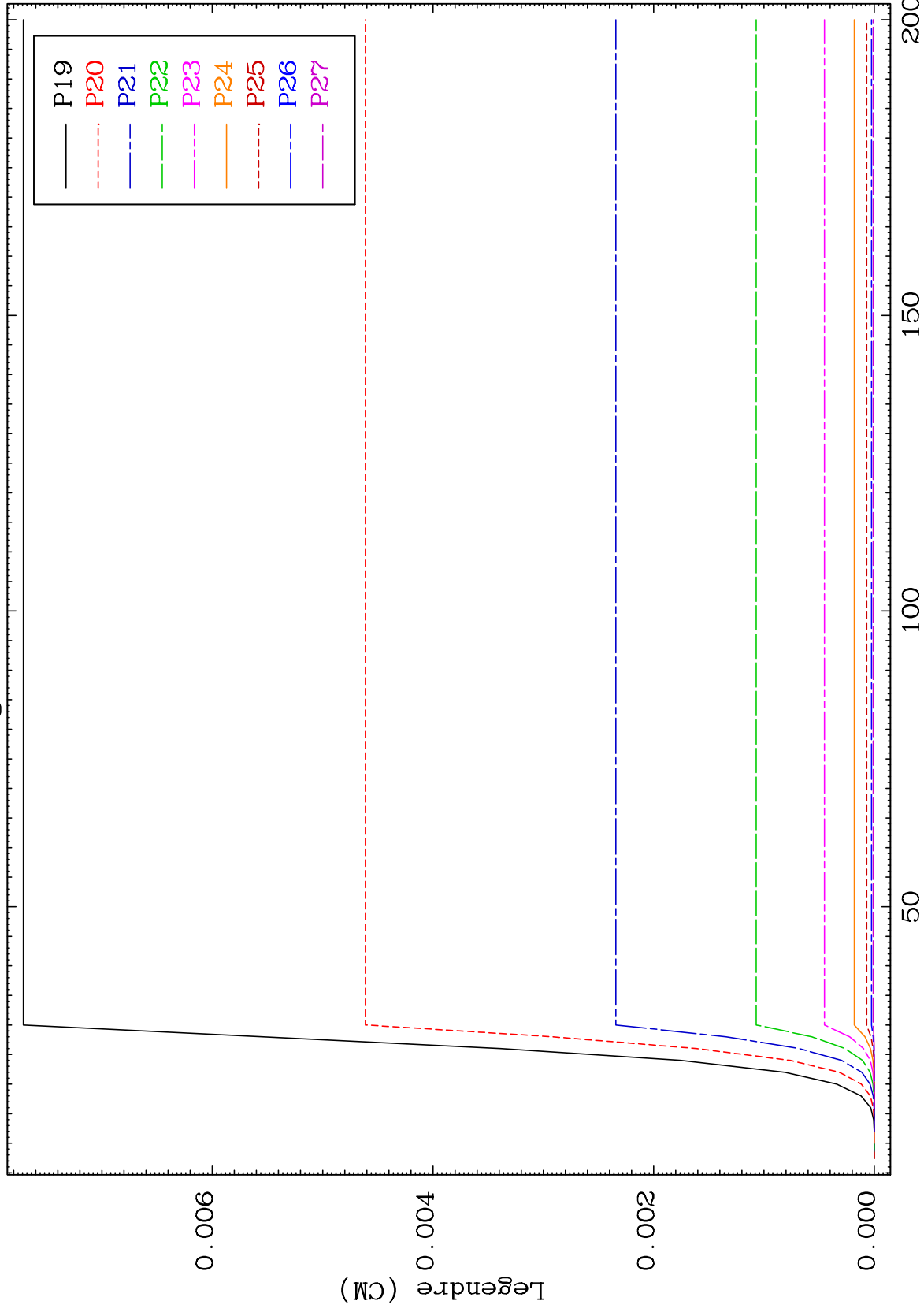
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



66

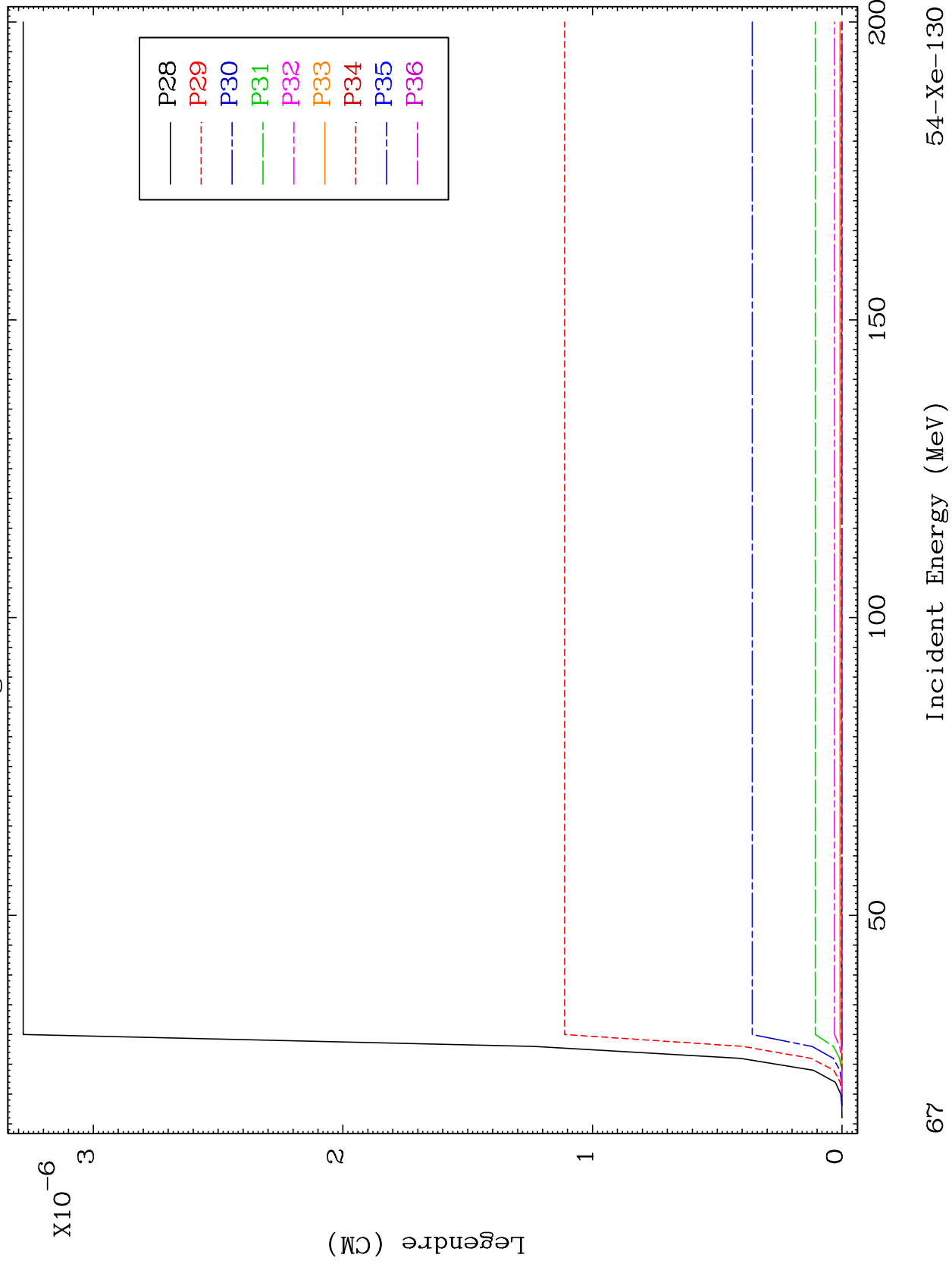
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

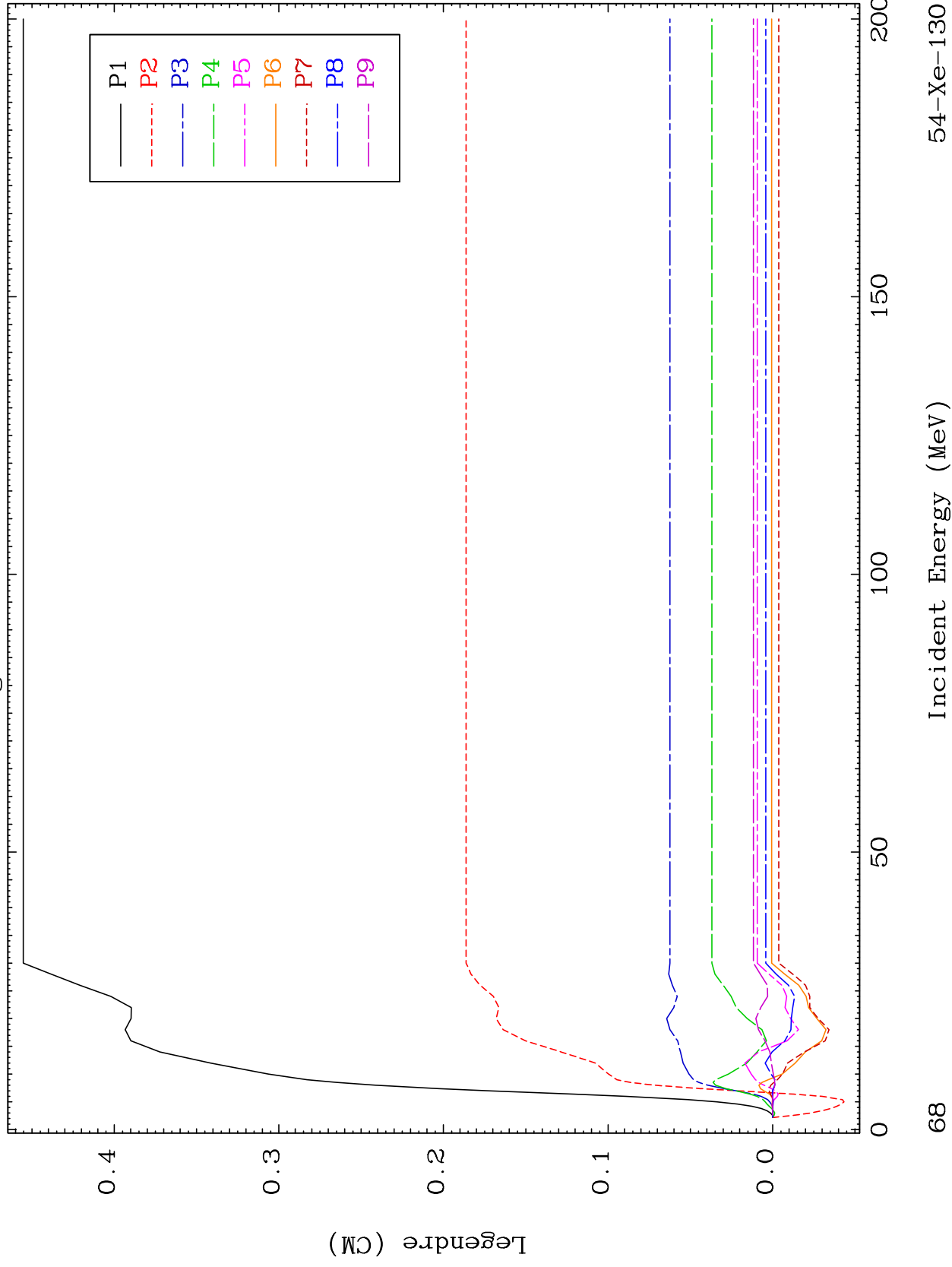
54-Xe-130



MAT 5443

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

54-Xe-130



54-Xe-130

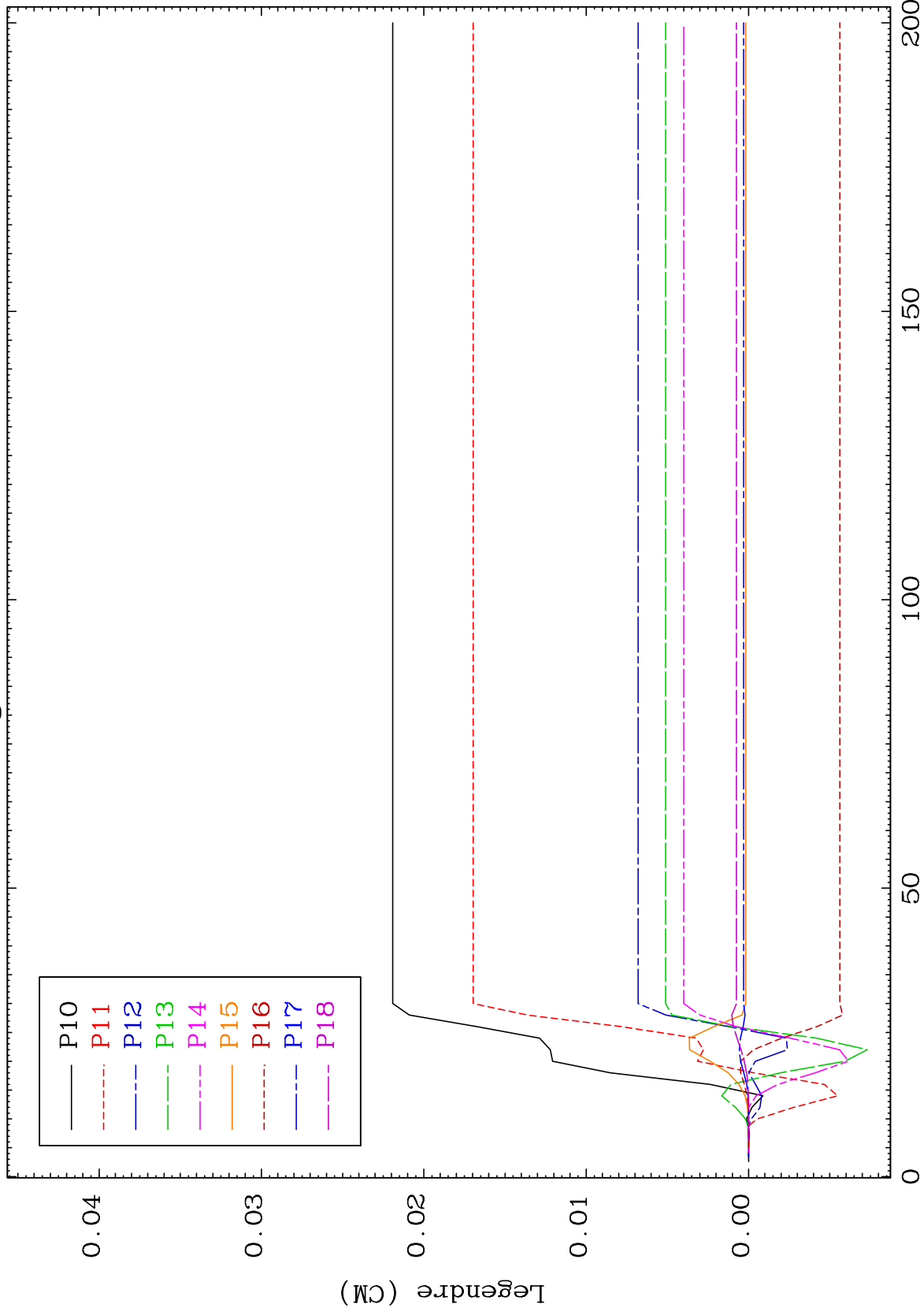
Incident Energy (MeV)

68

MAT 5443

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

54-Xe-130



69

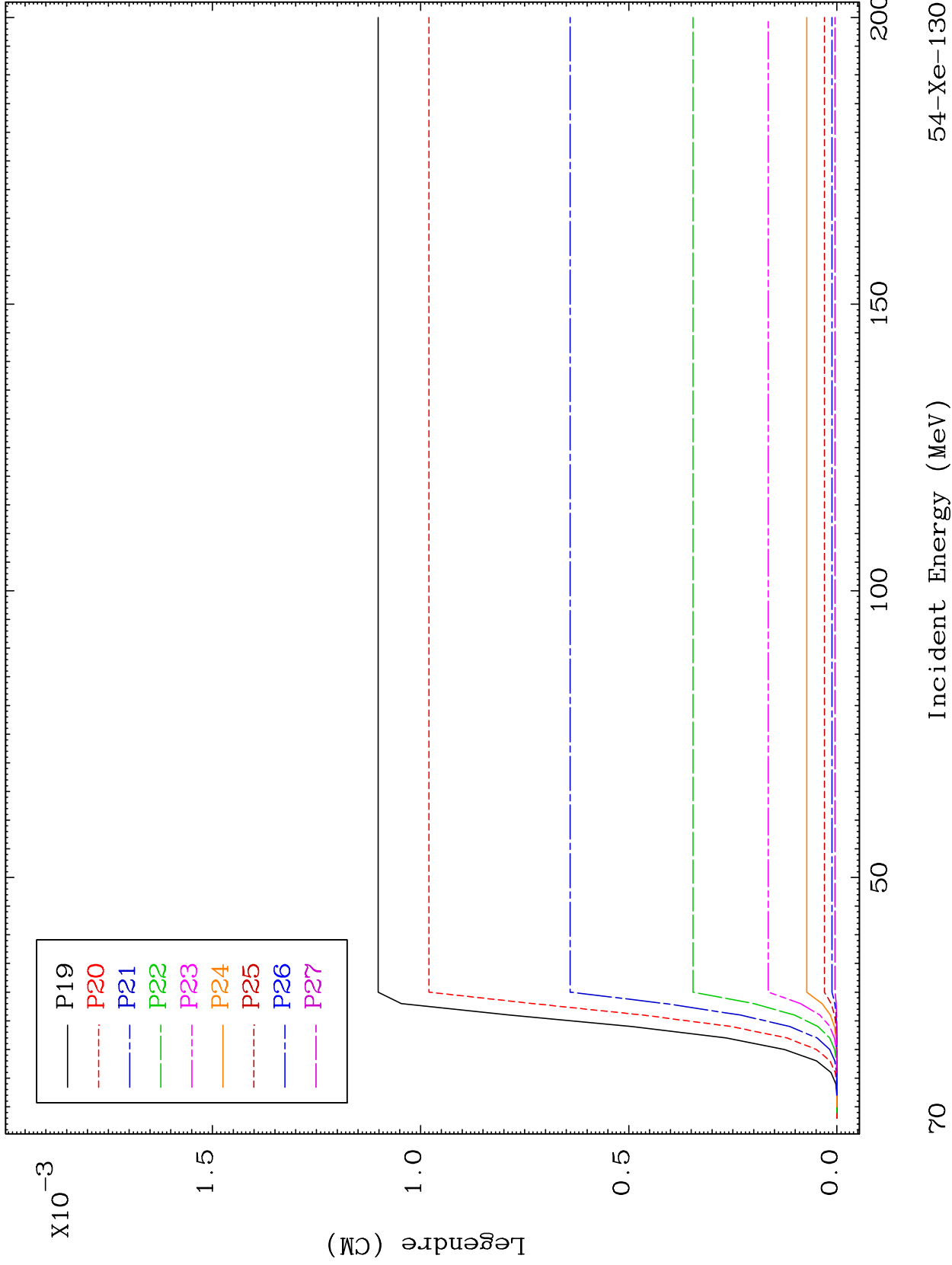
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



70

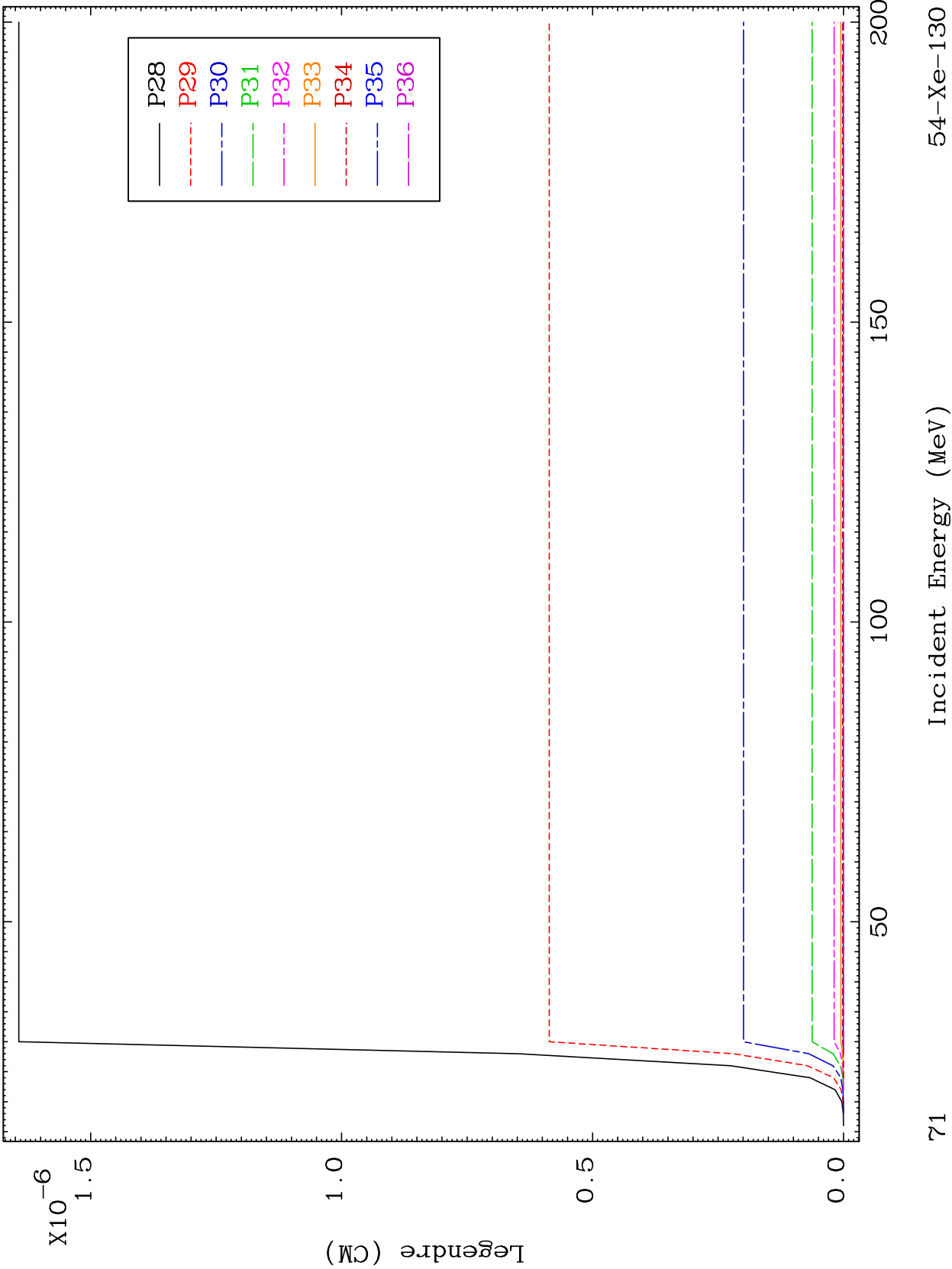
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

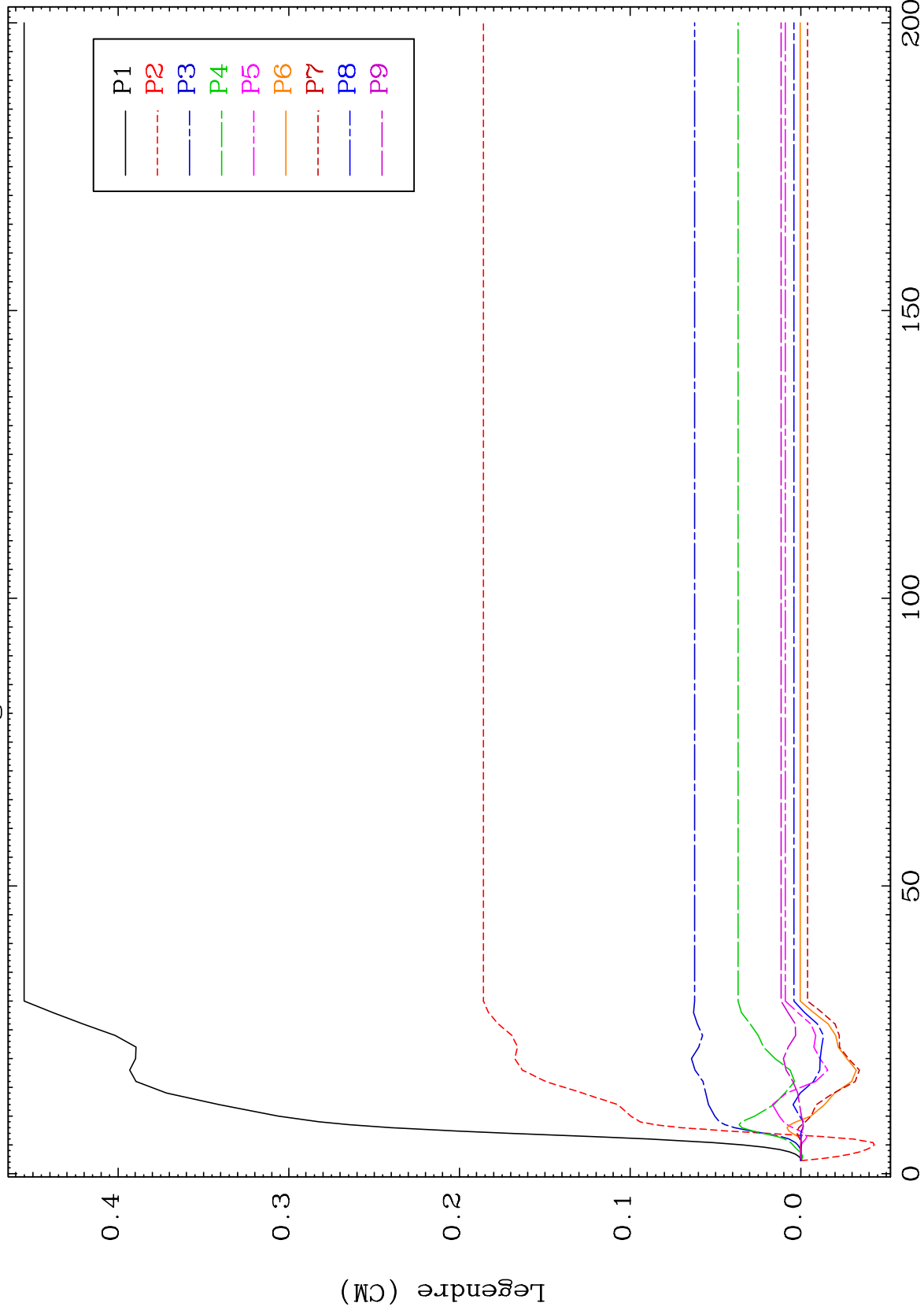
54-Xe-130



MAT 5443

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

54-Xe-130



54-Xe-130

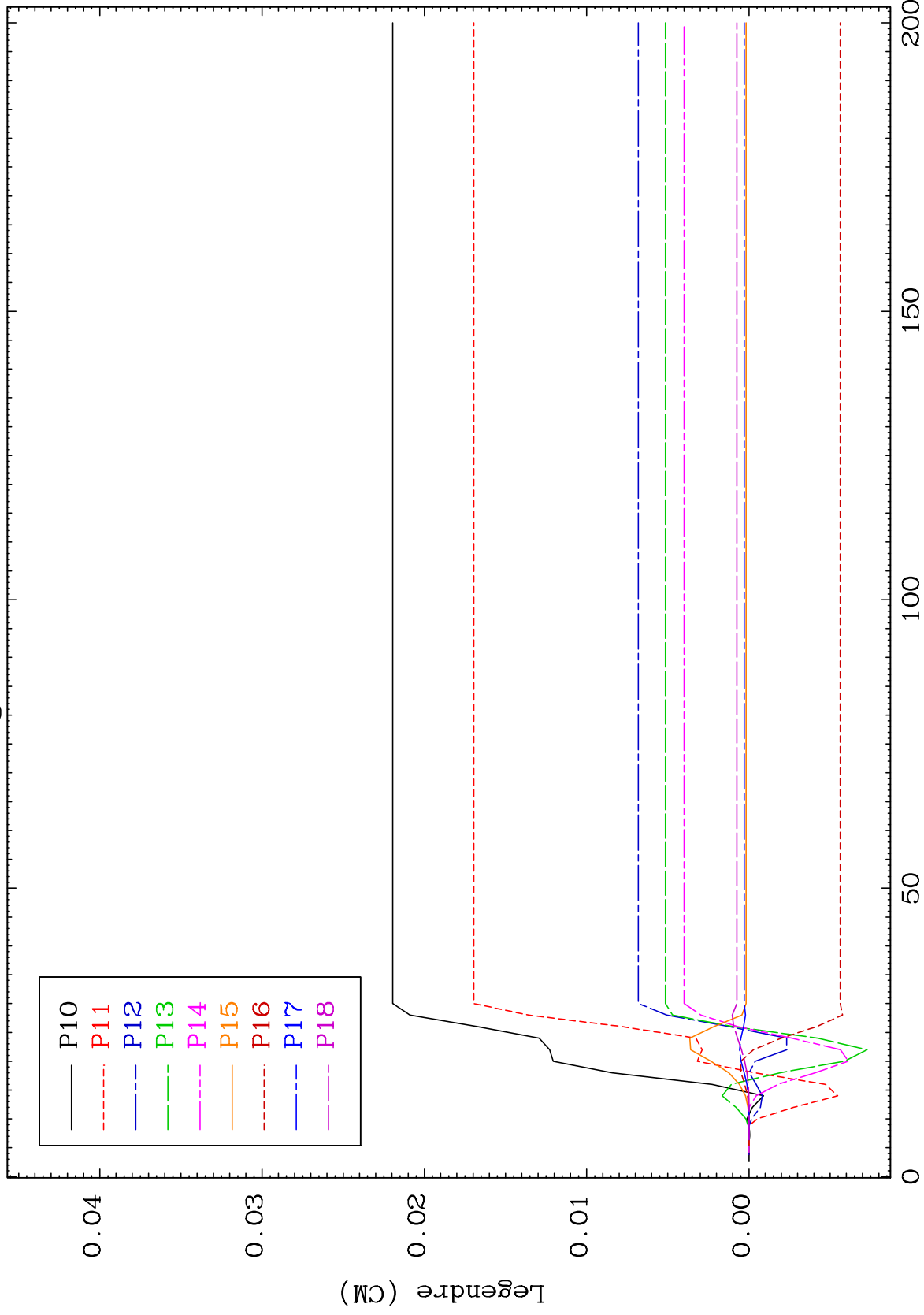
Incident Energy (MeV)

72

MAT 5443

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

54-Xe-130



73

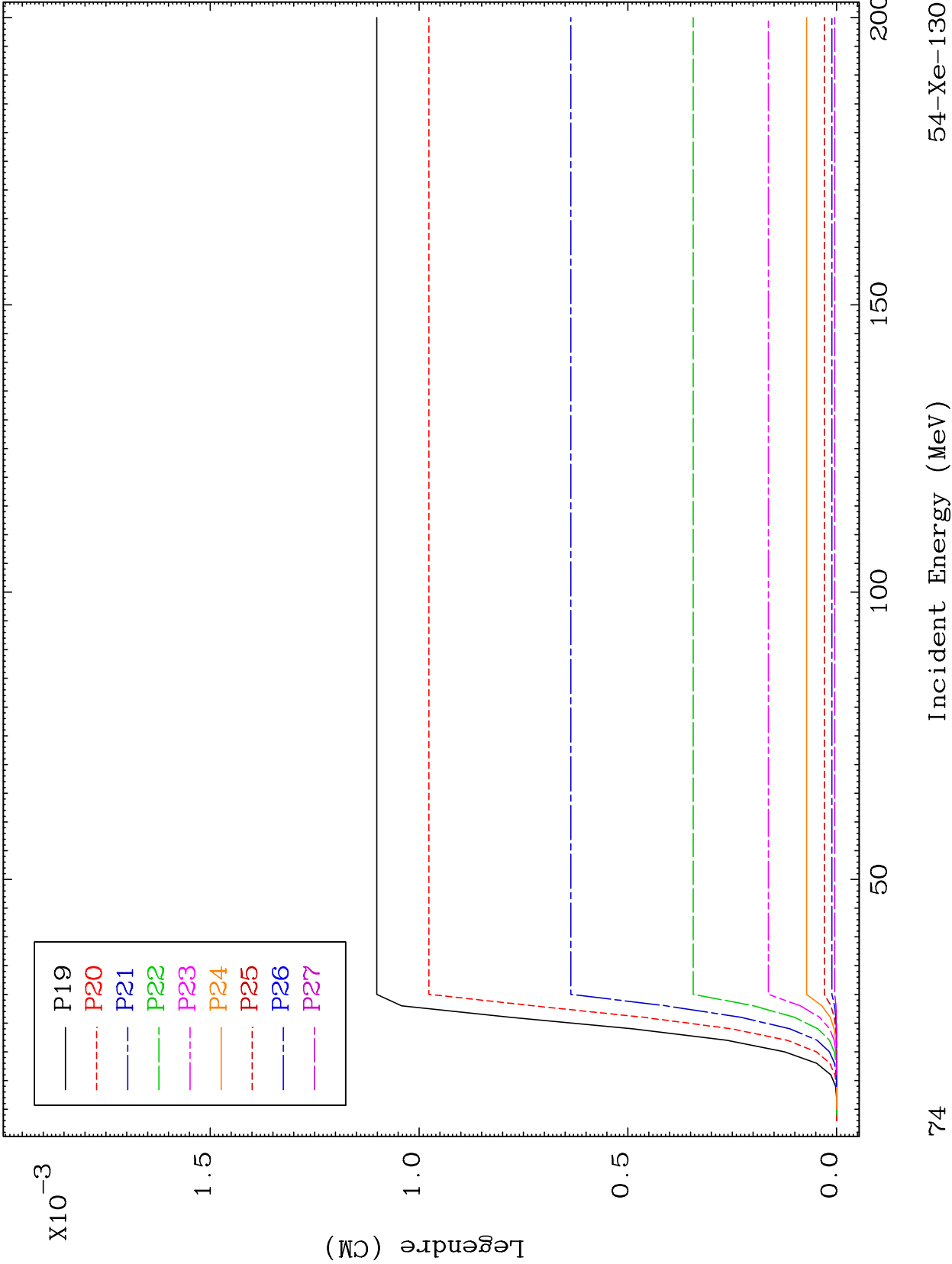
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



74

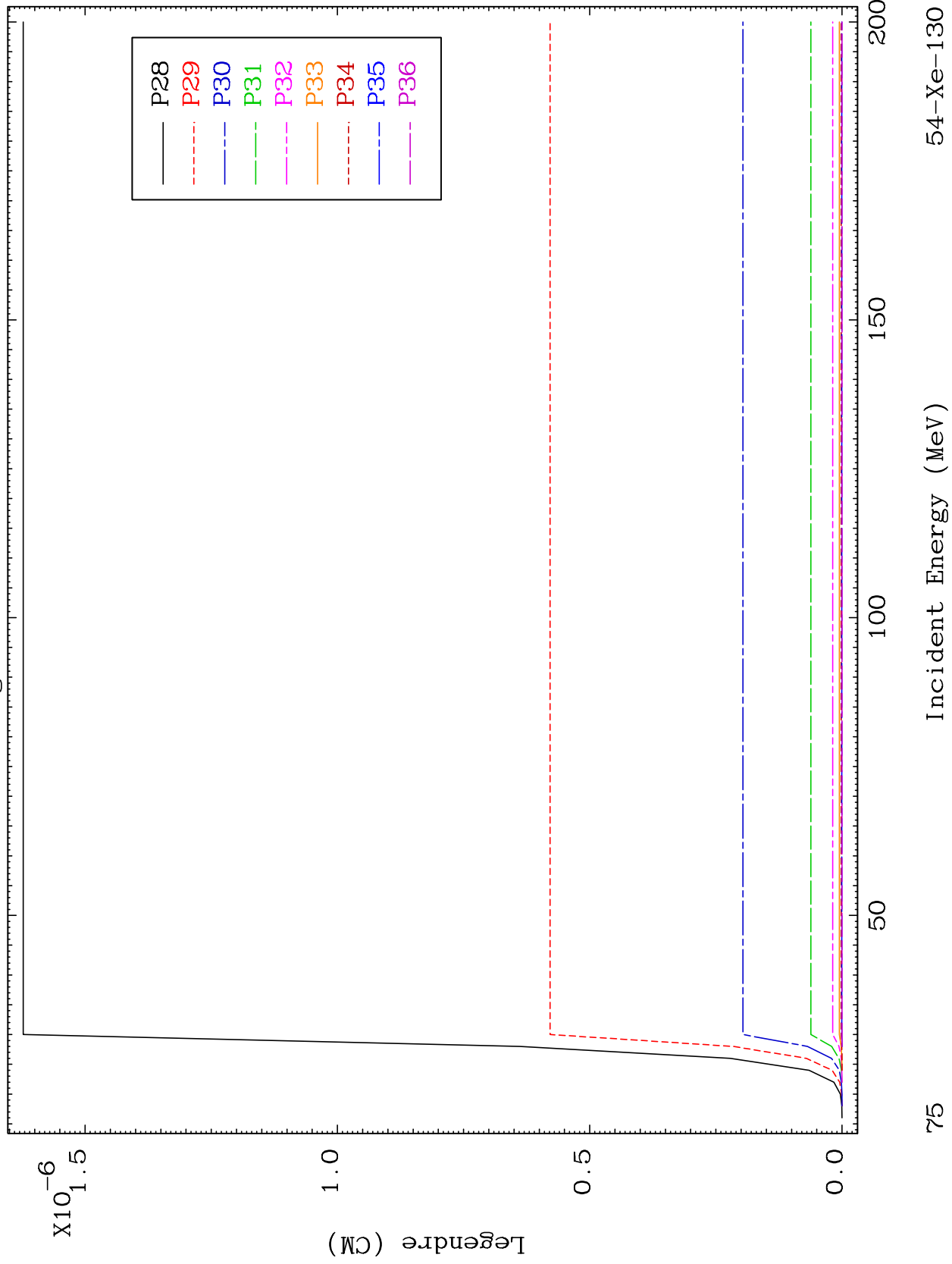
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

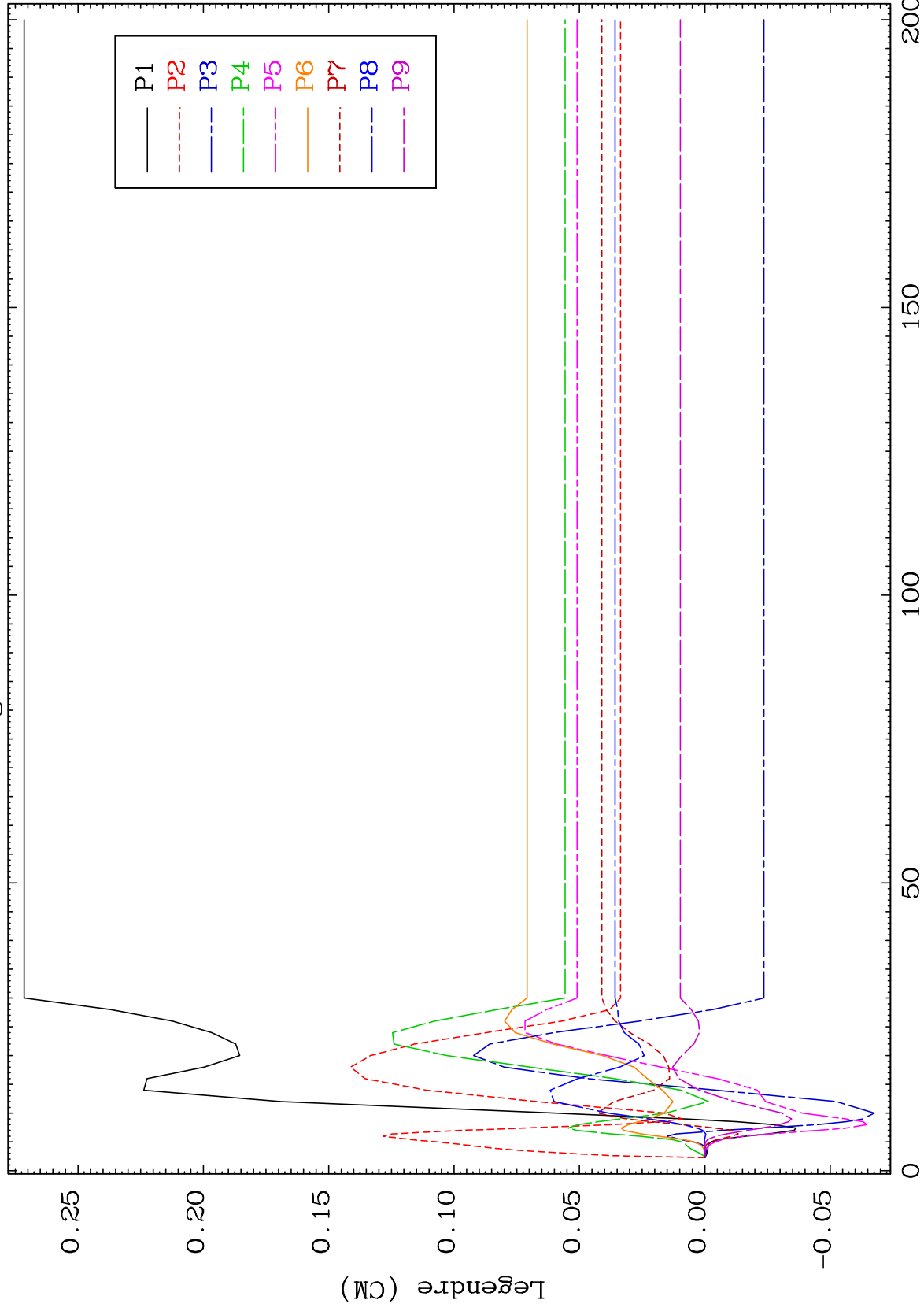
Incident Energy (MeV)

75

MAT 5443

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

54-Xe-130



76

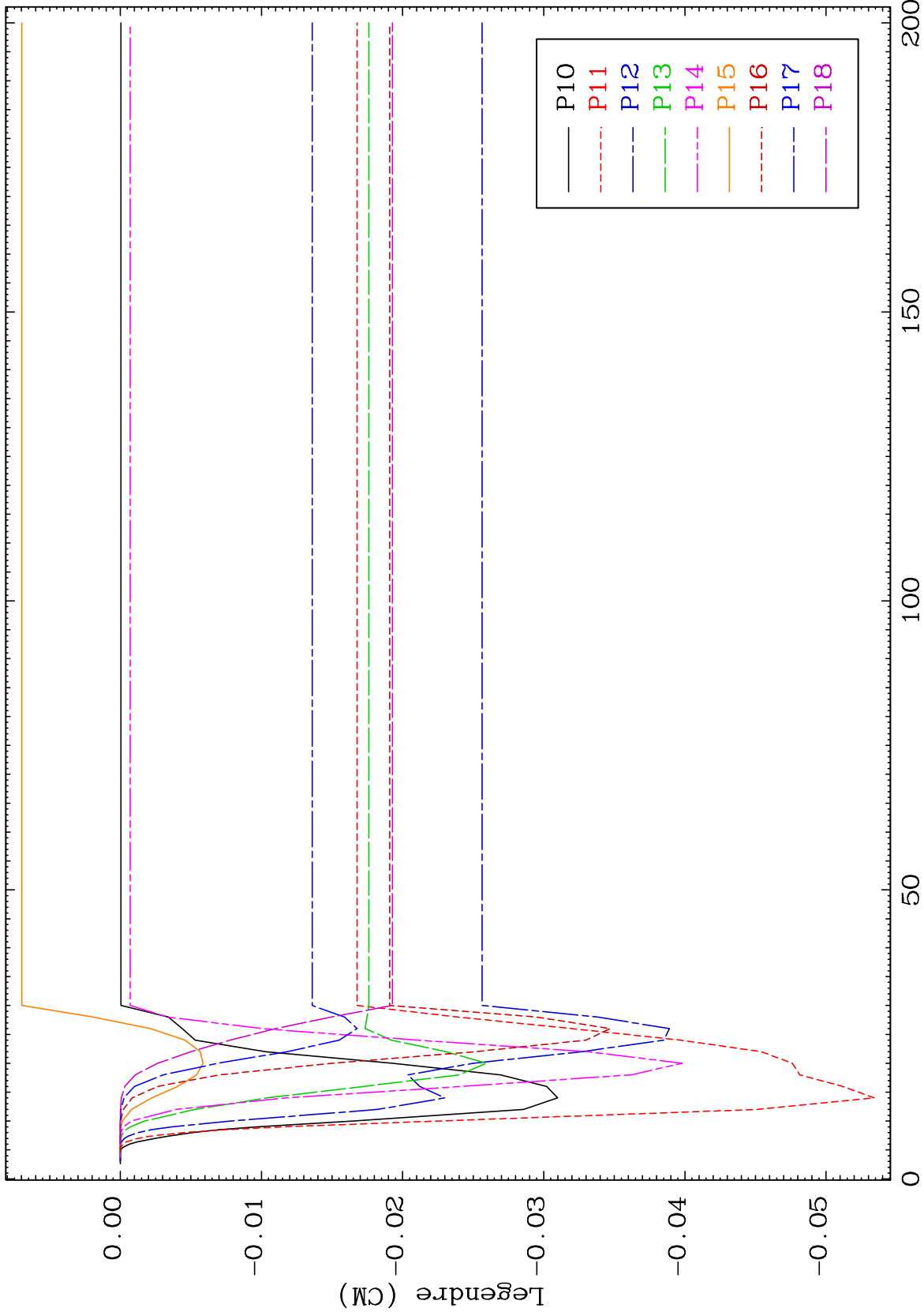
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



77

Incident Energy (MeV)

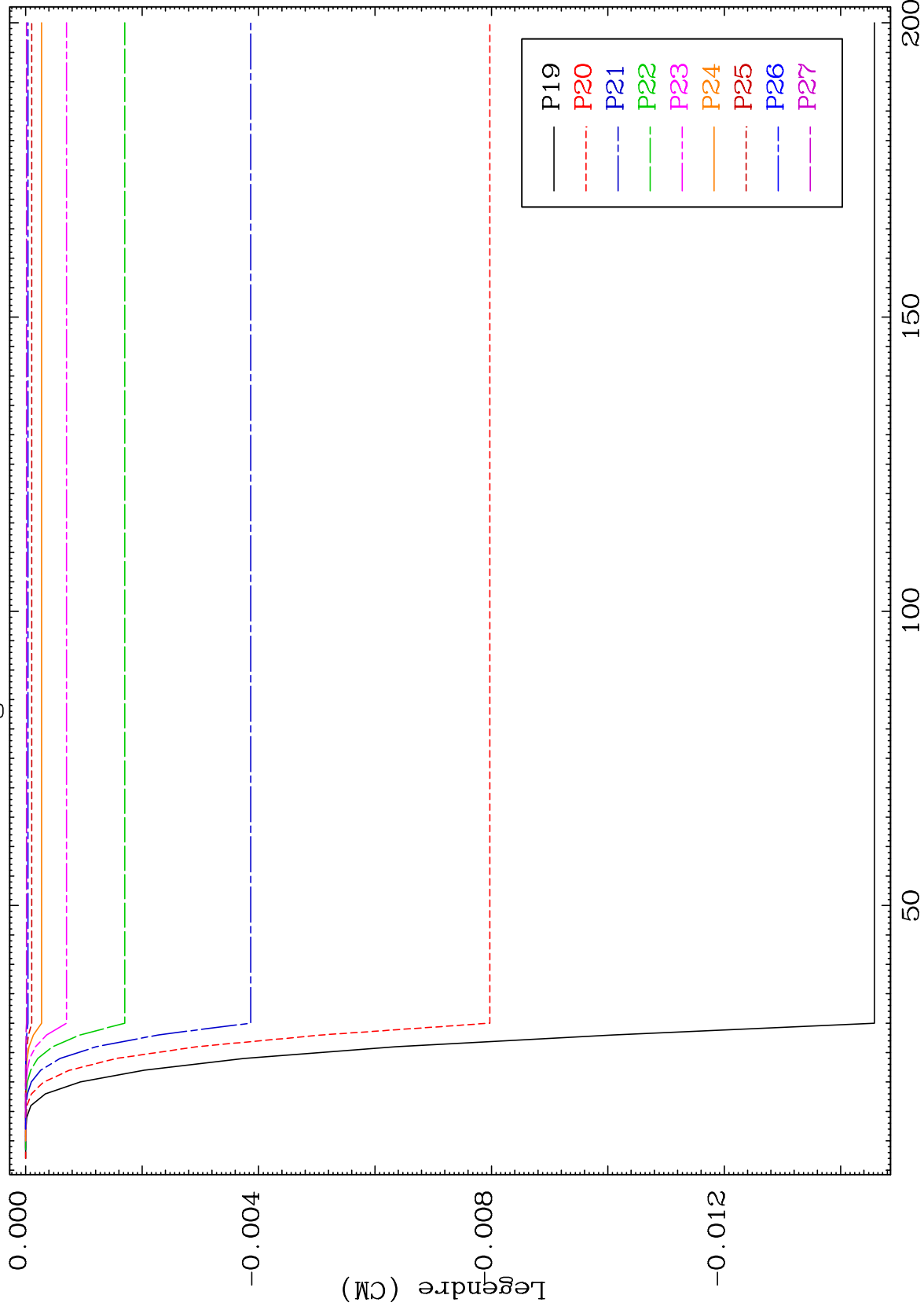
54-Xe-130

MAT 5443

MT= 66 (n,n') Level

54-Xe-130

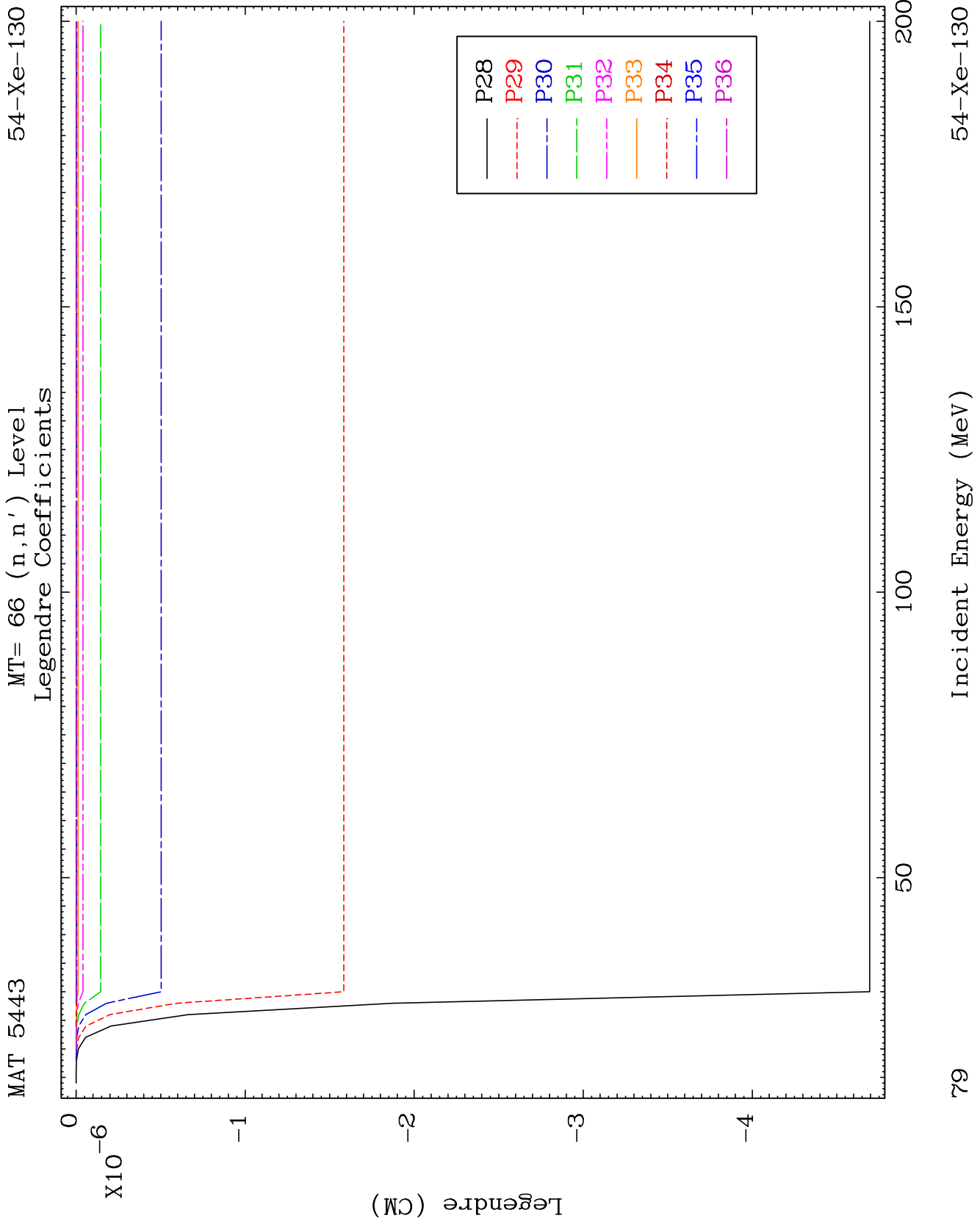
Legendre Coefficients



54-Xe-130

Incident Energy (MeV)

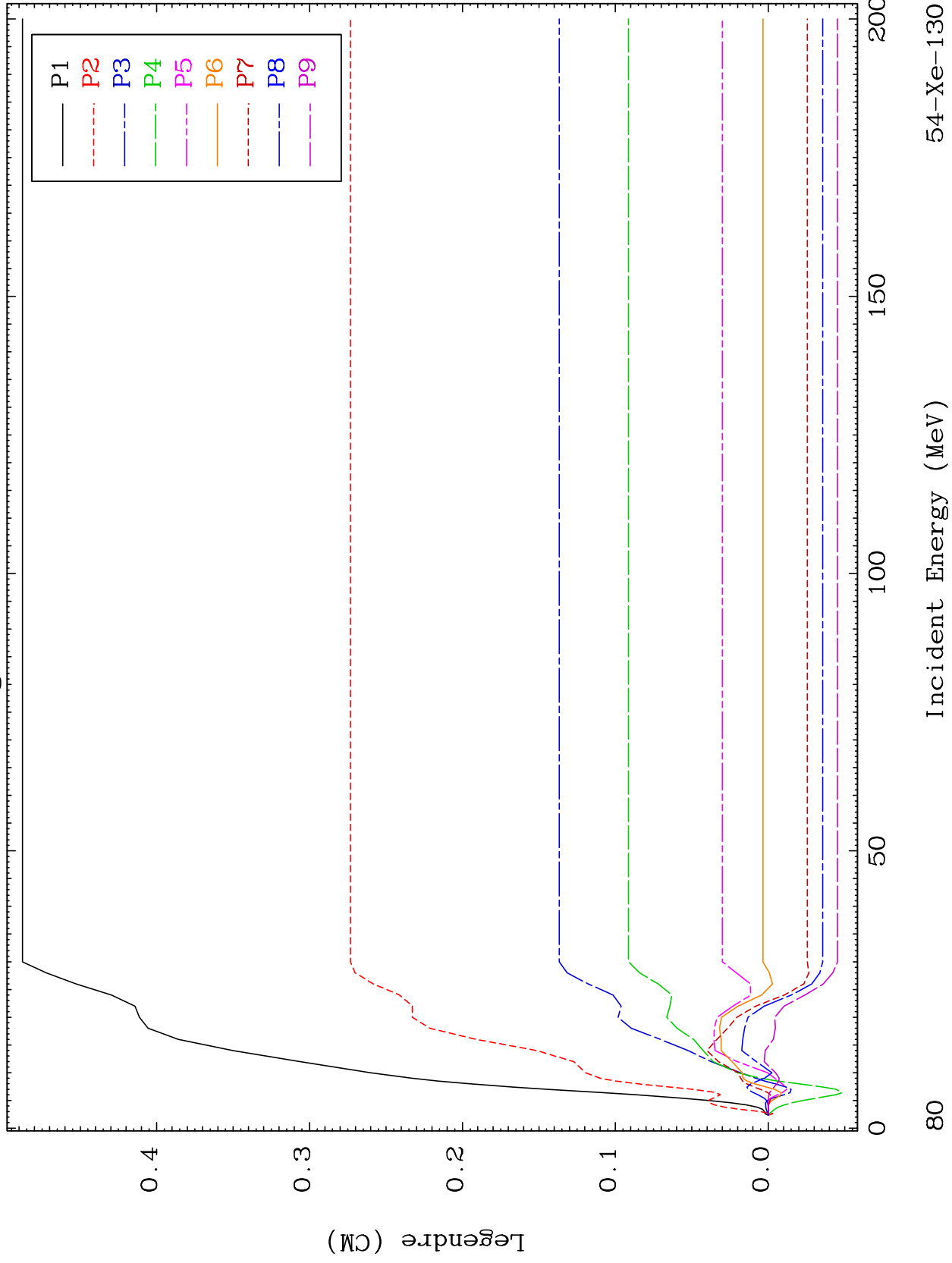
78



MAT 5443

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

54-Xe-130



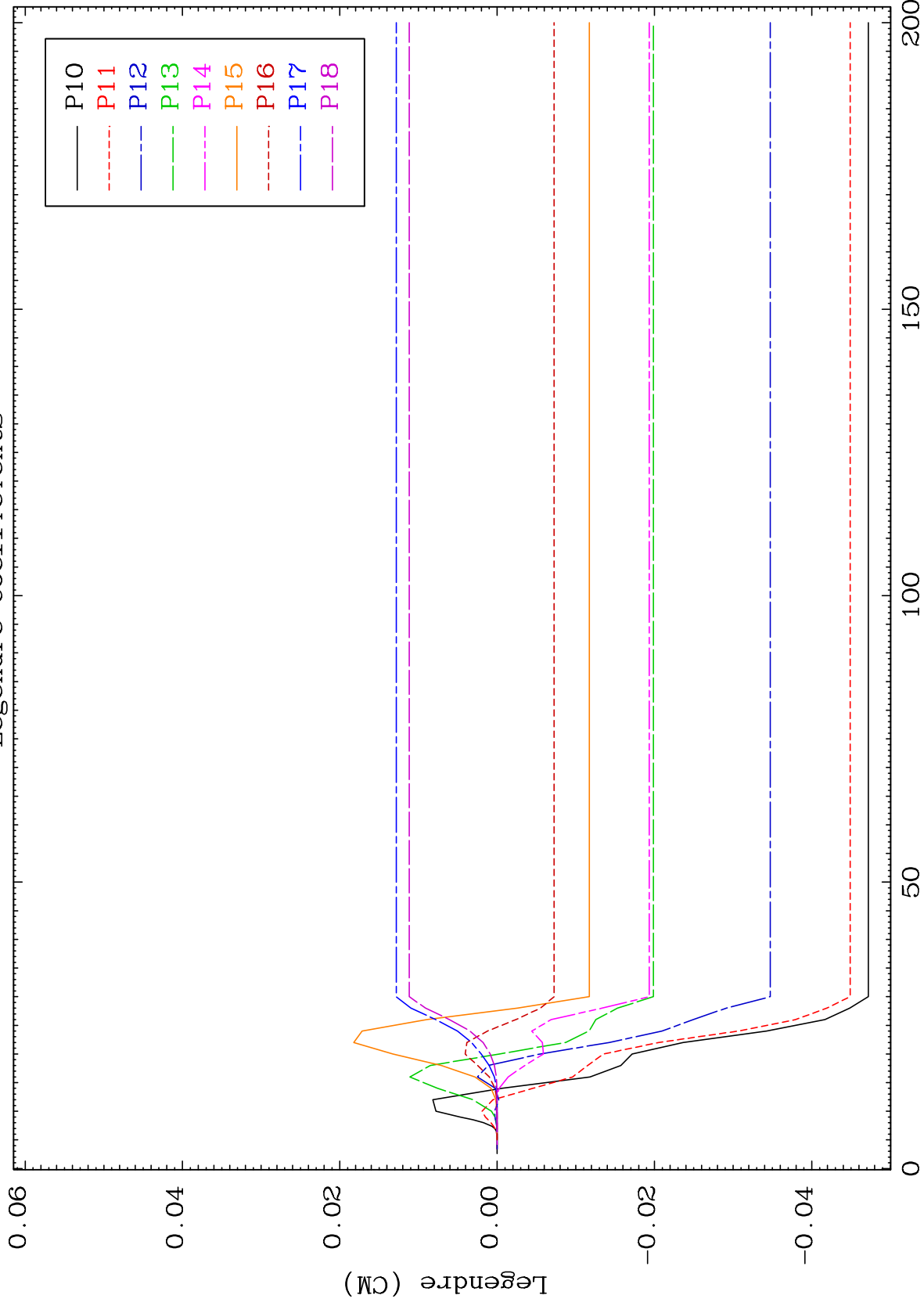
54-Xe-130

Incident Energy (MeV)

MAT 5443

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

54-Xe-130



81

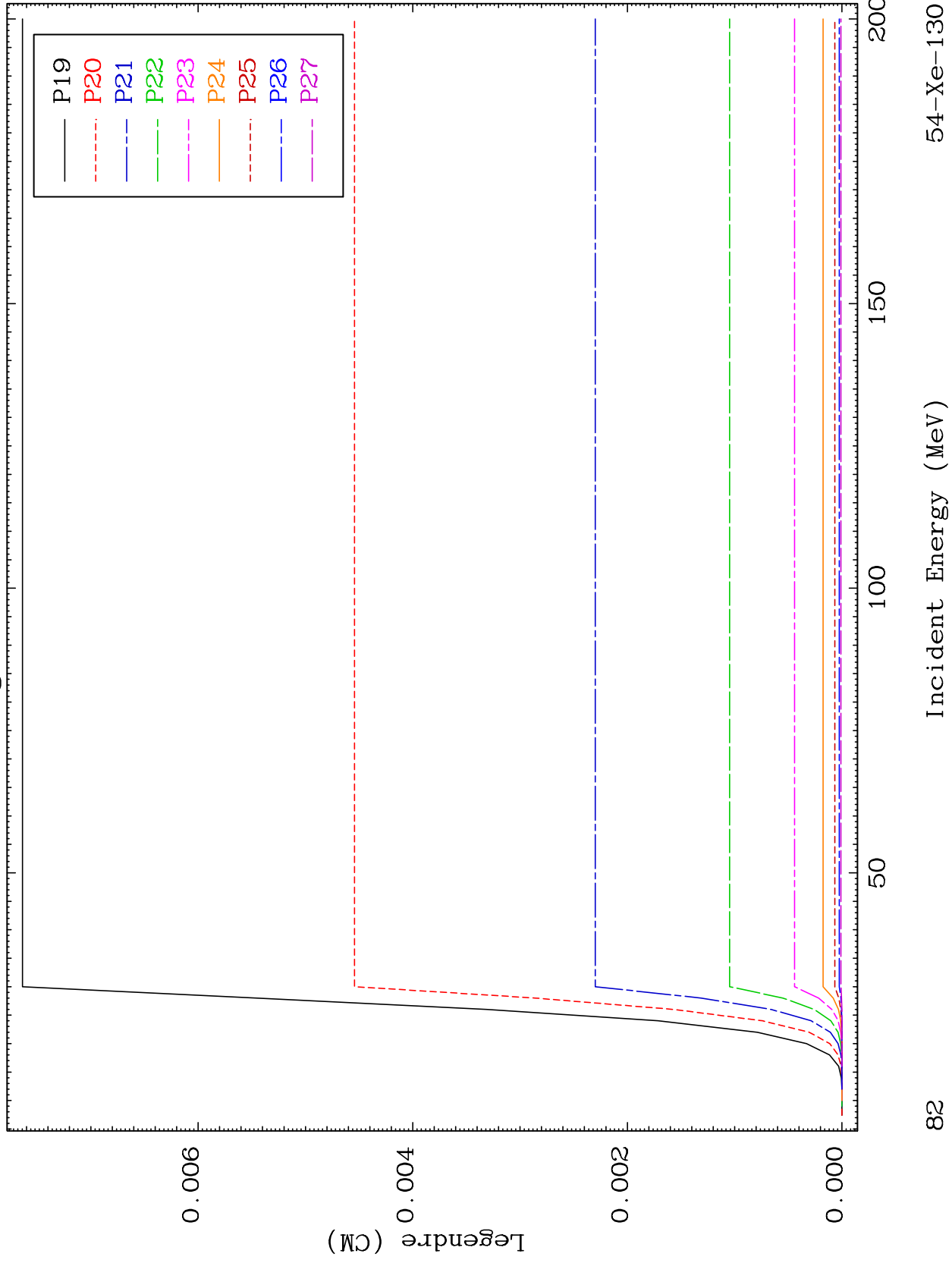
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



82

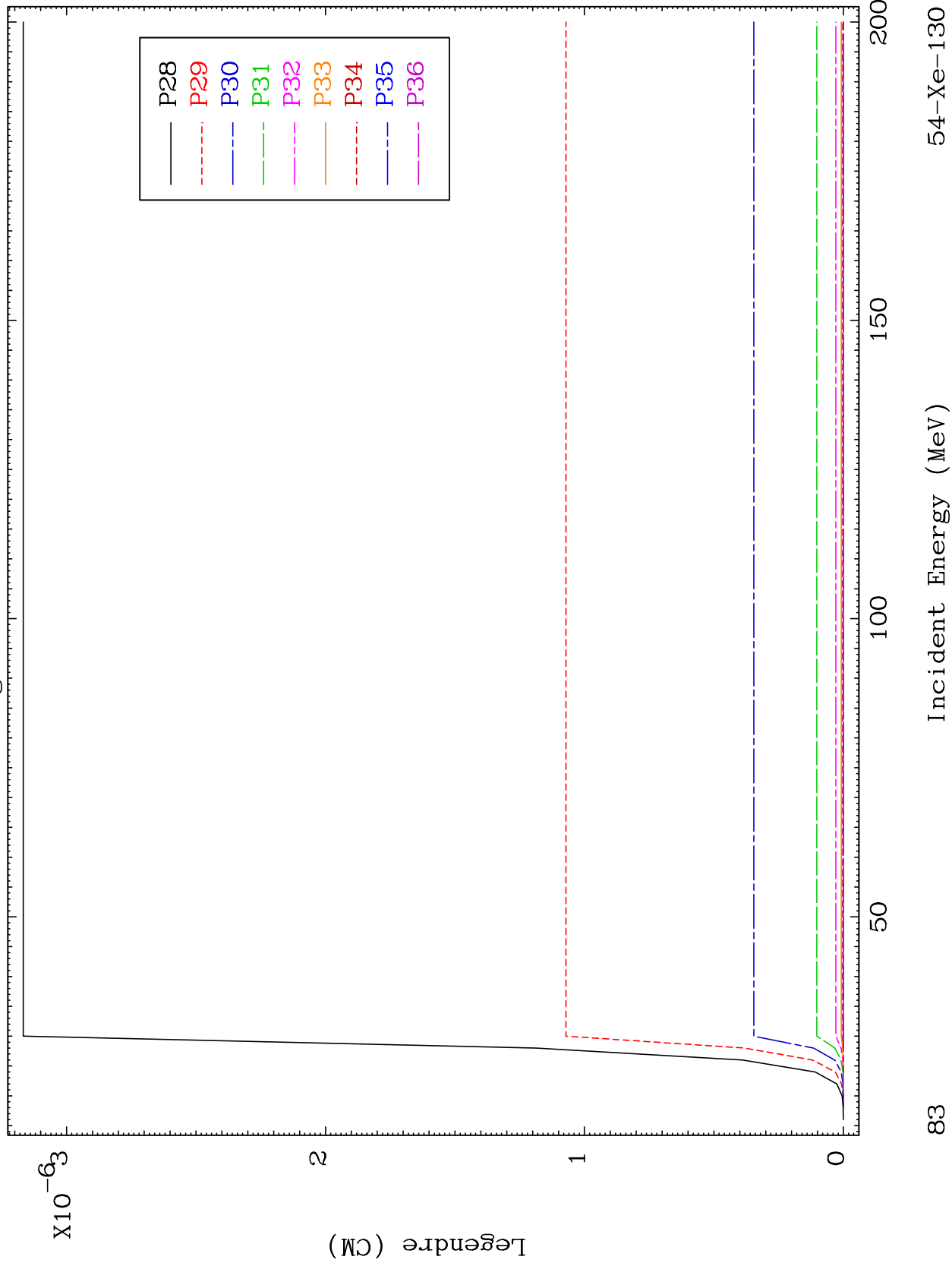
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

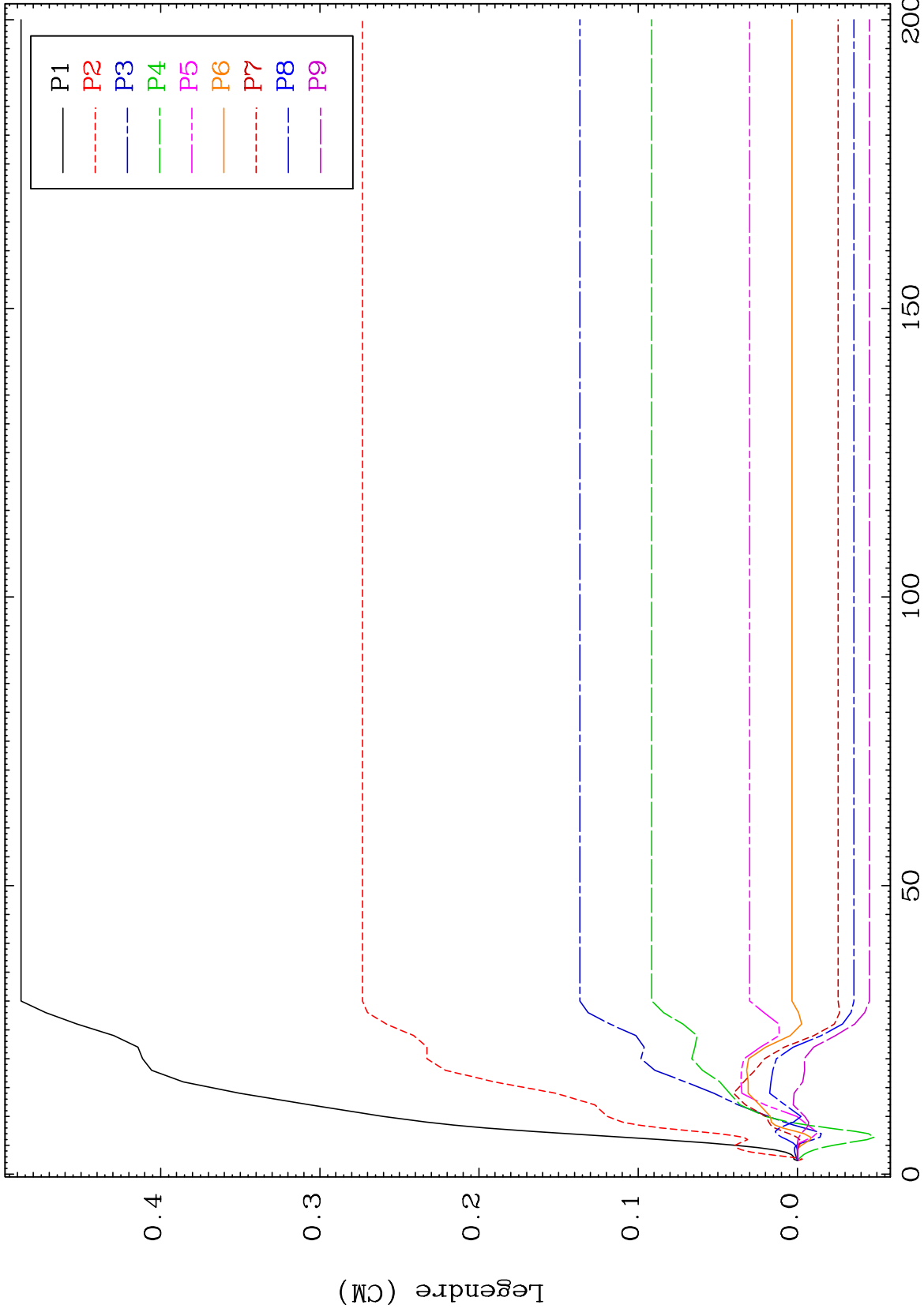
54-Xe-130



MAT 5443

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

54-Xe-130



84

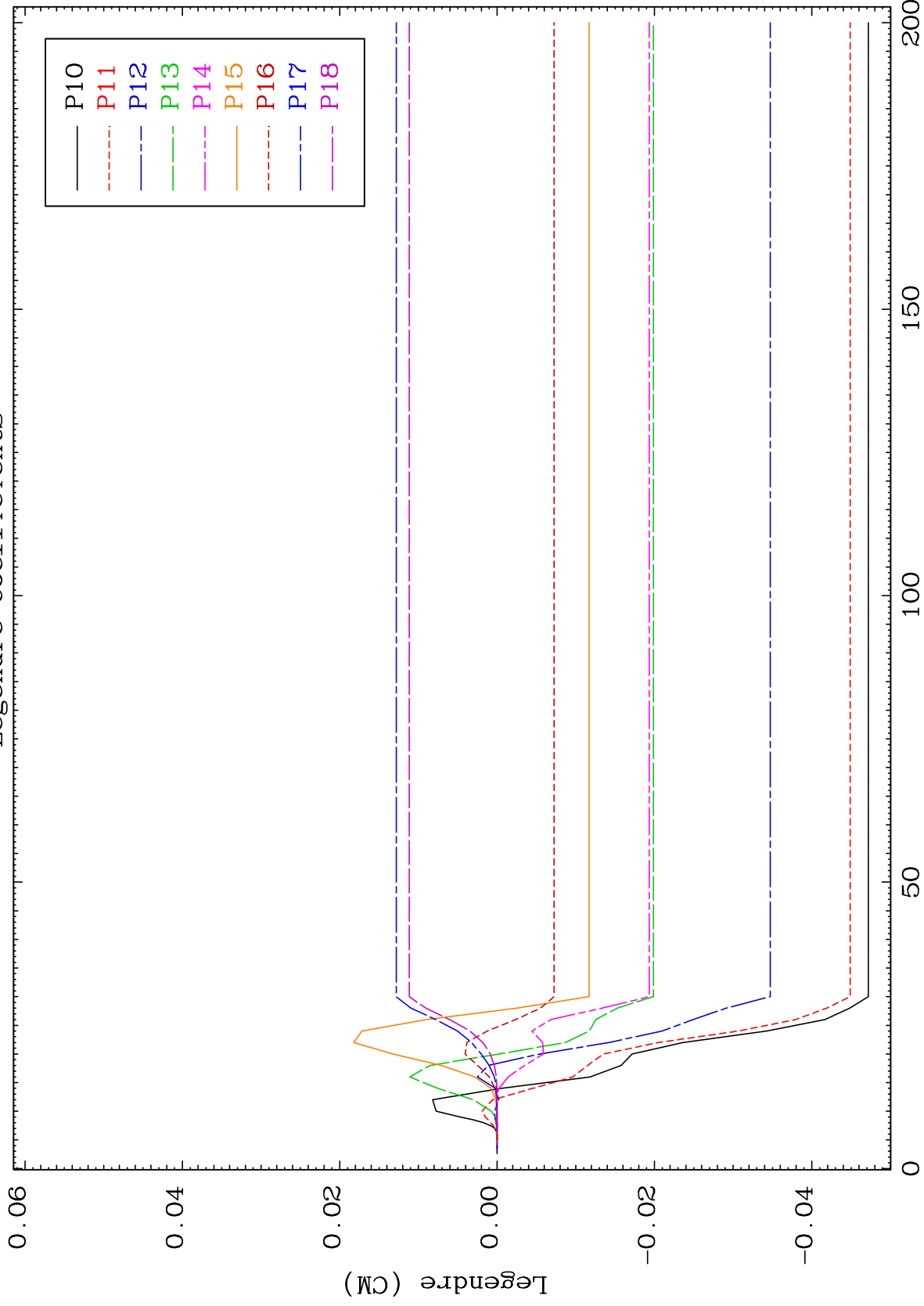
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



85

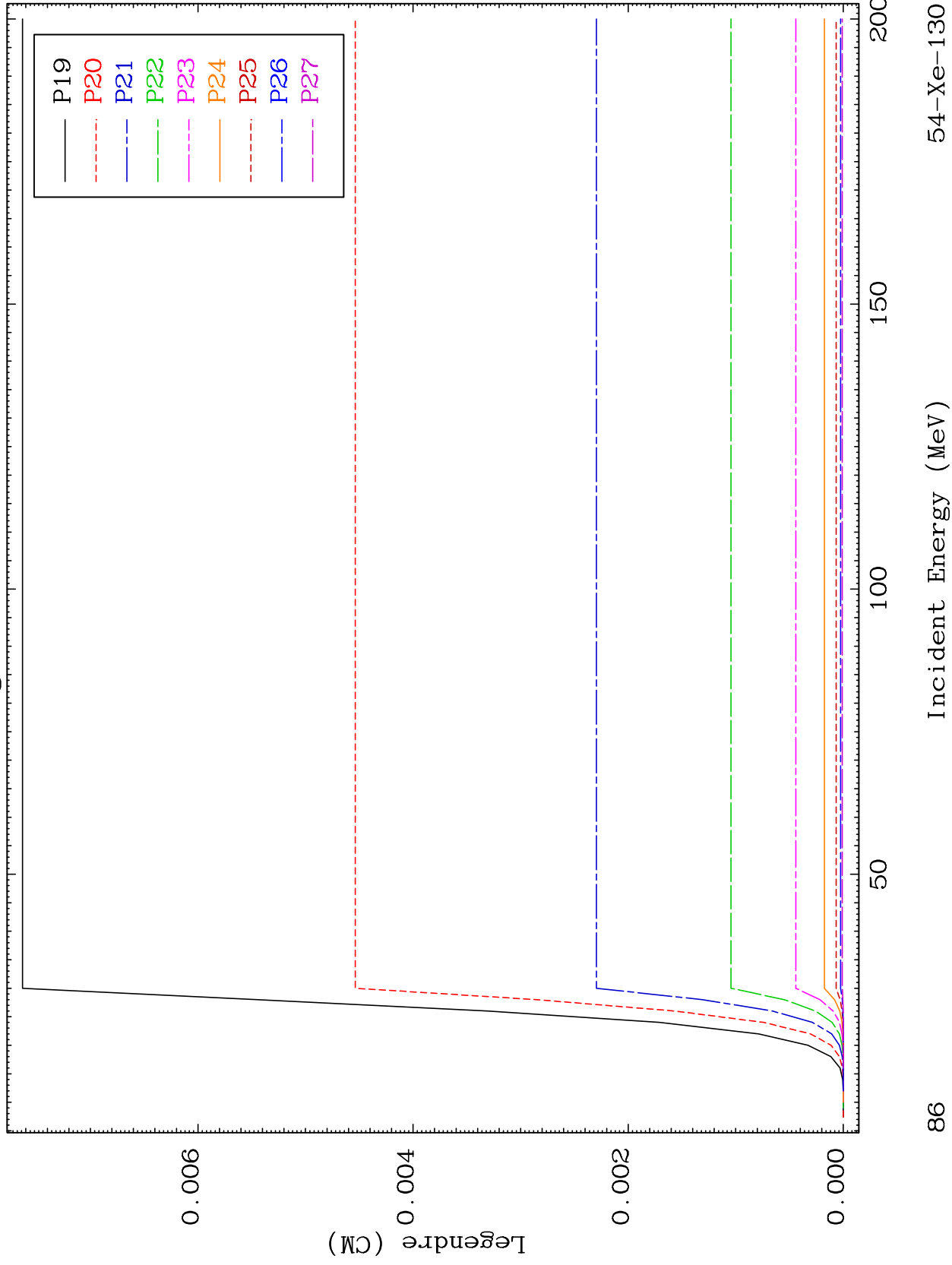
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



86

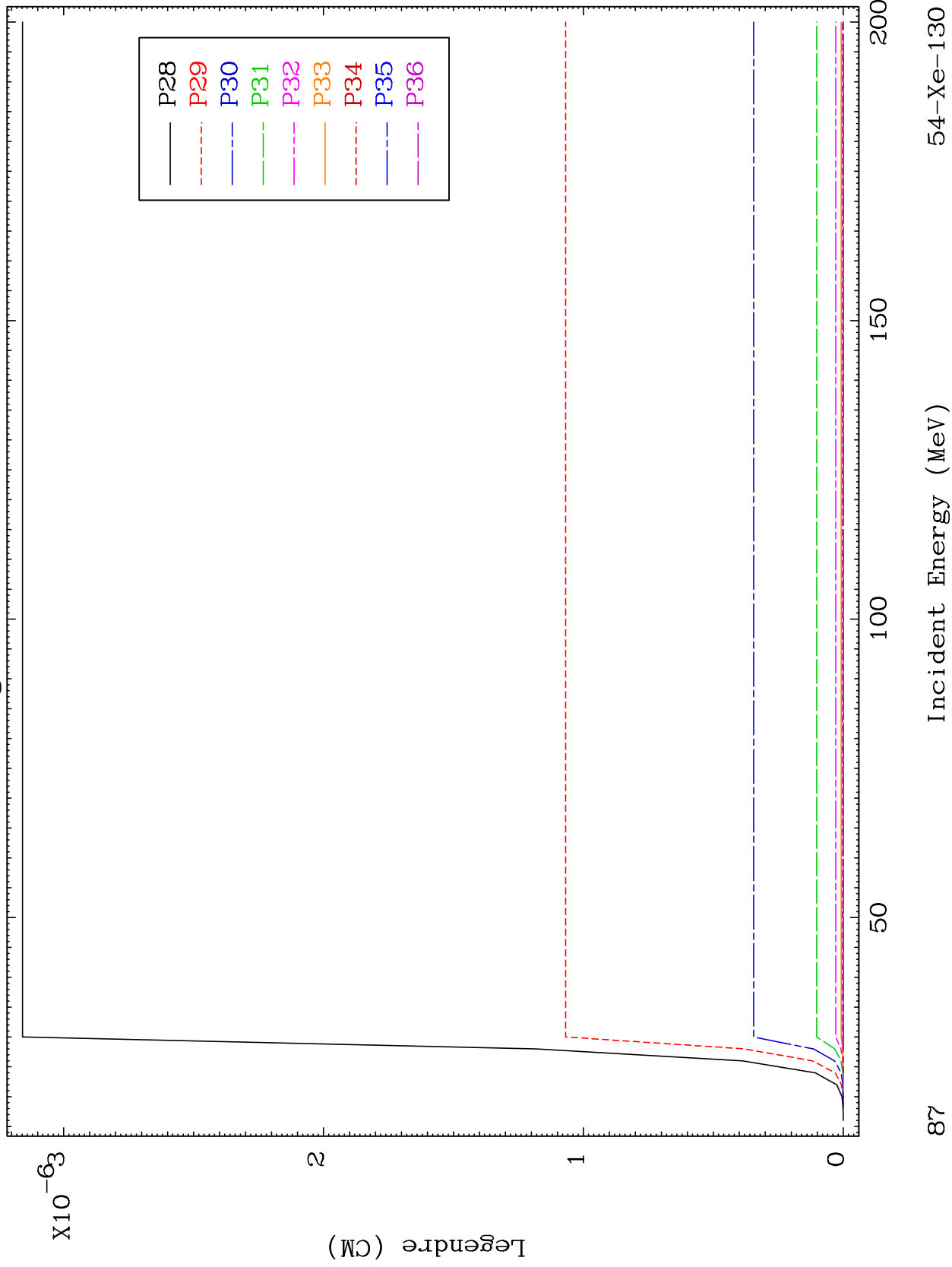
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

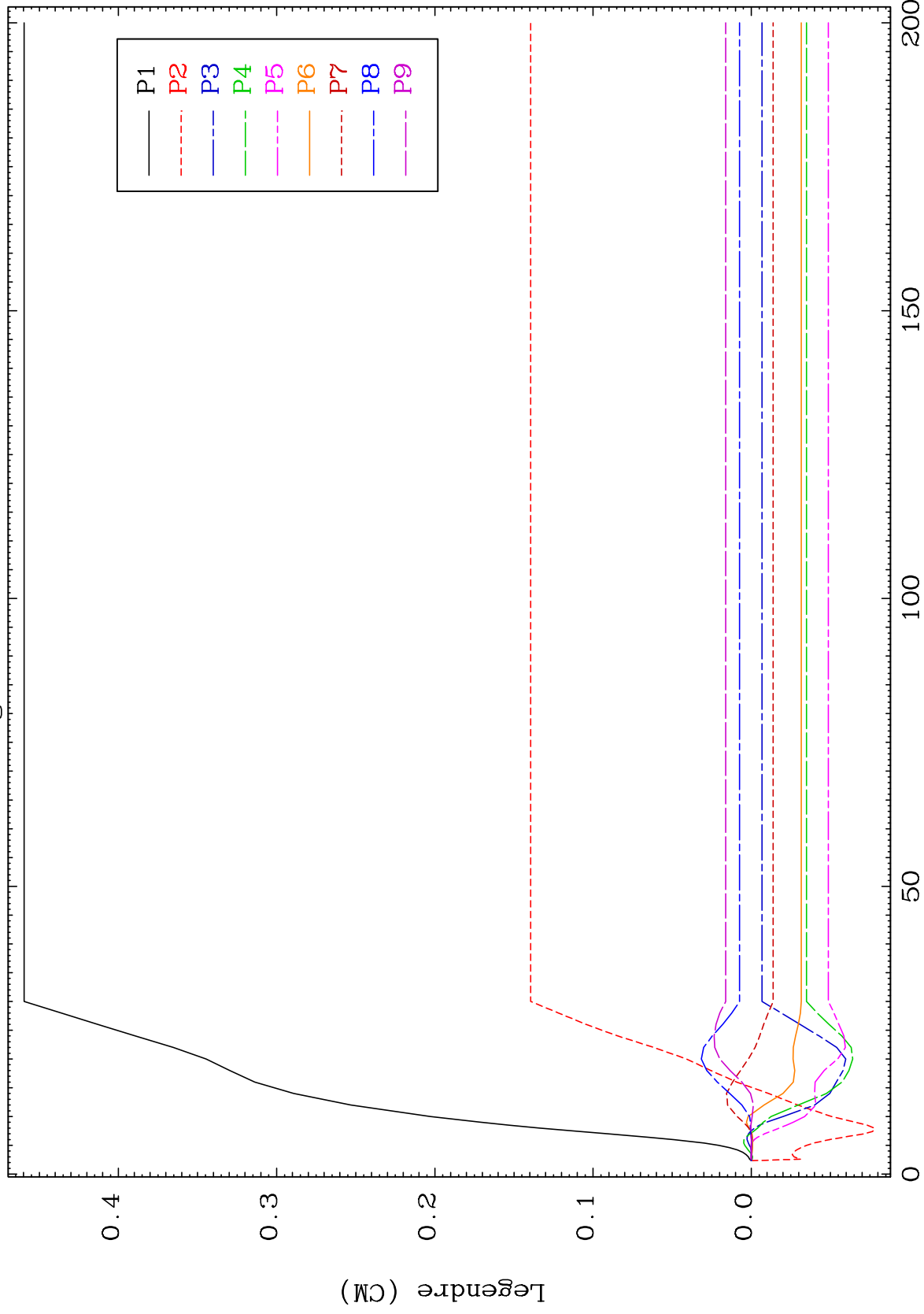
54-Xe-130



MAT 5443

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

54-Xe-130



88

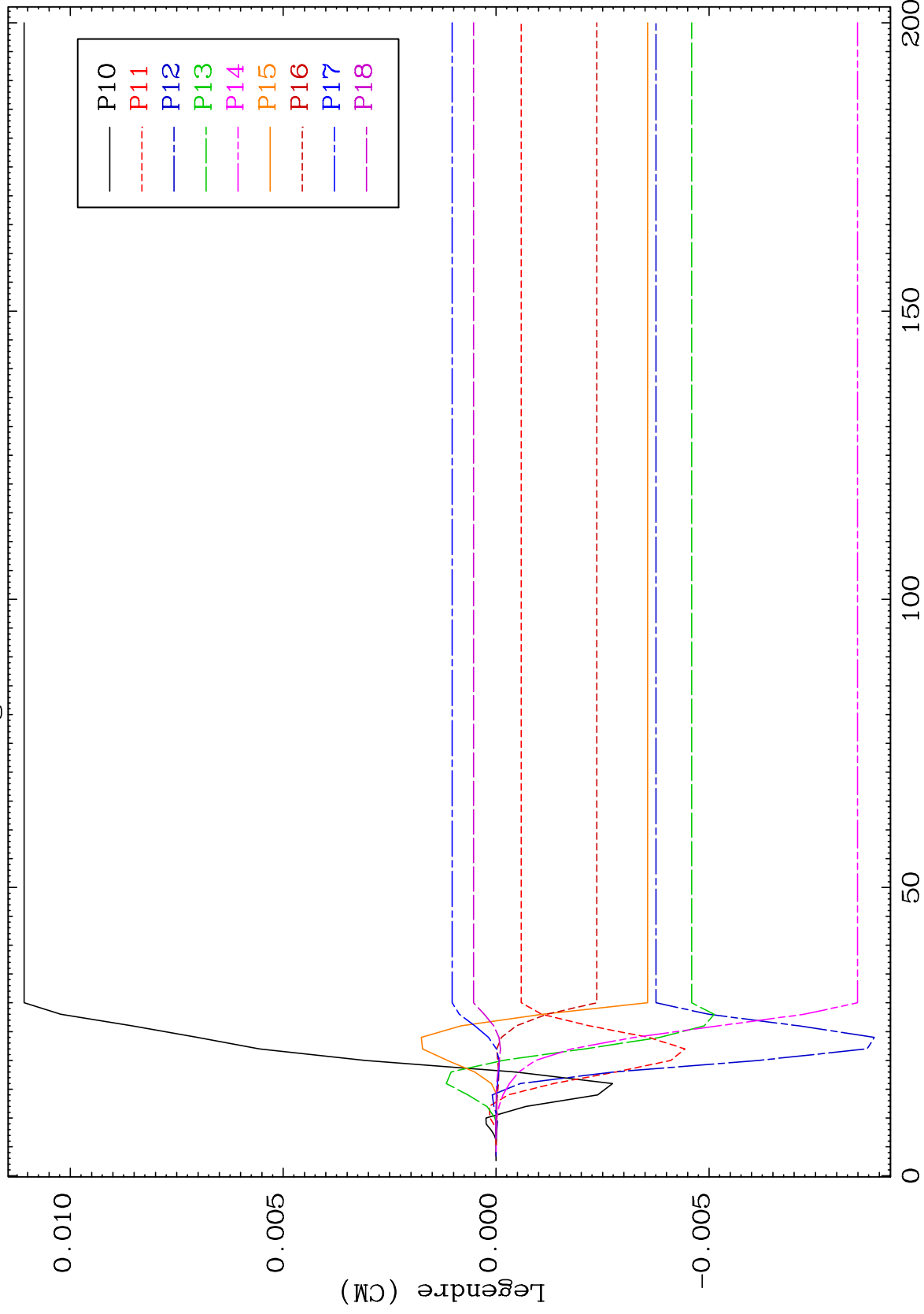
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



89

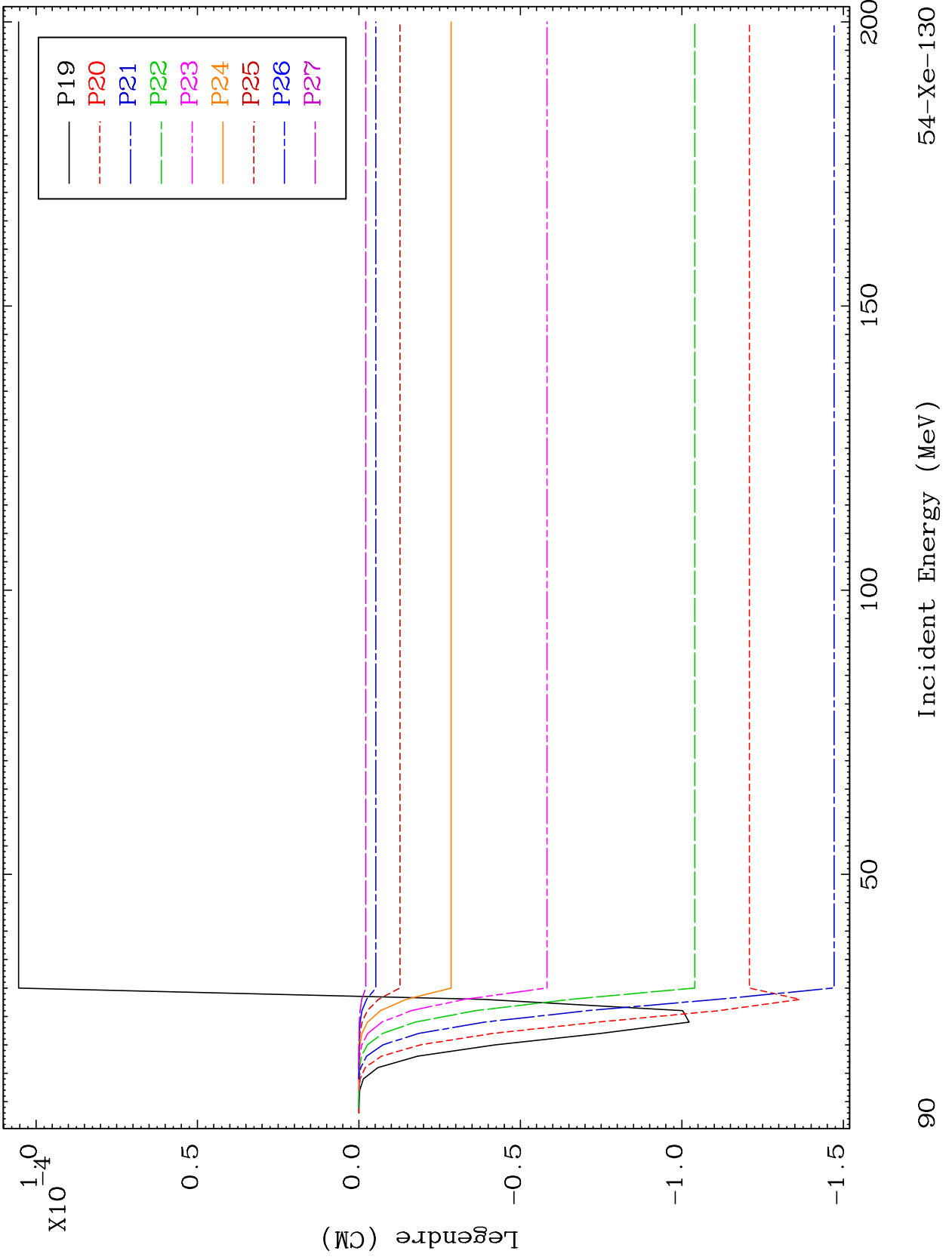
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



90

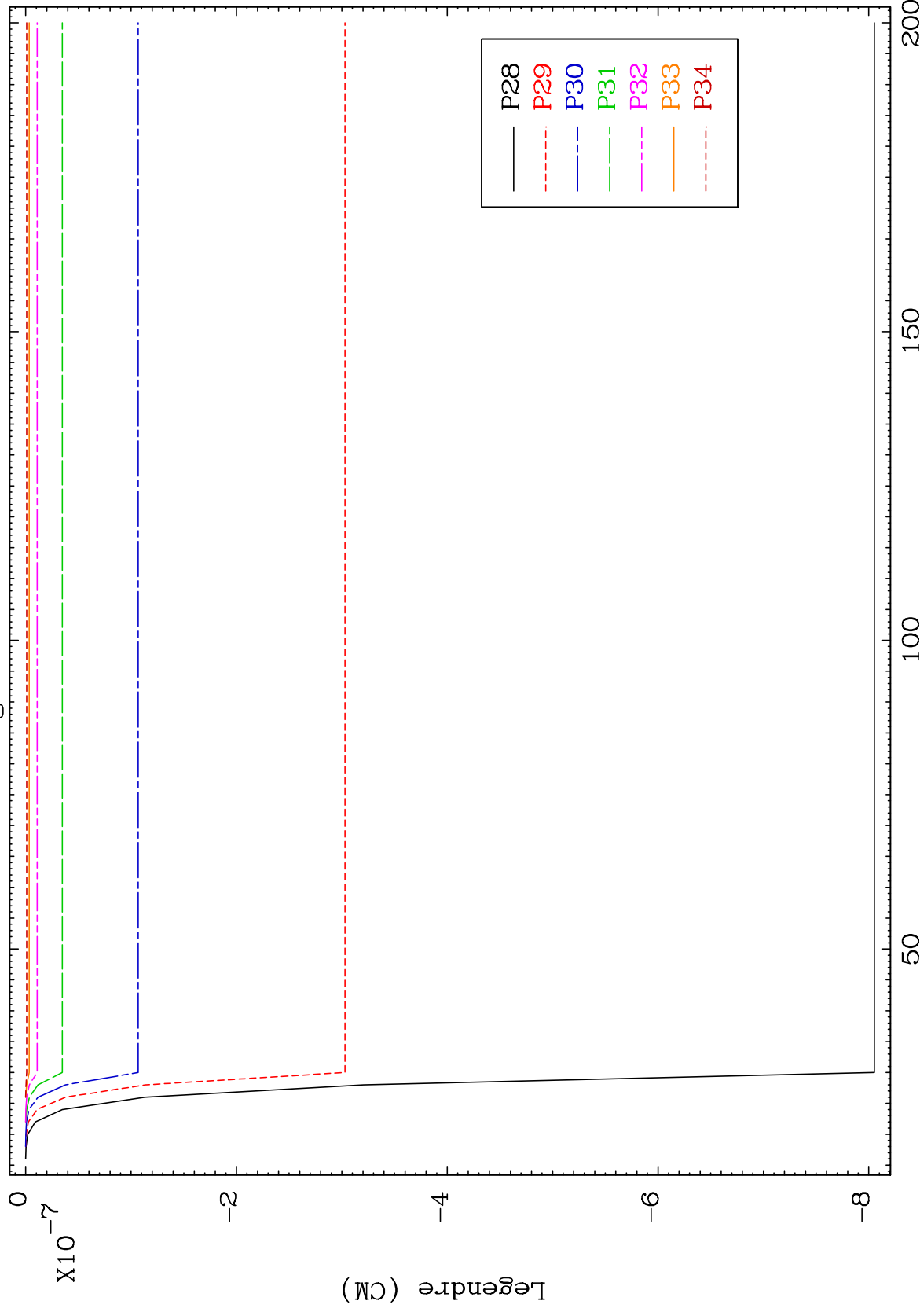
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



91

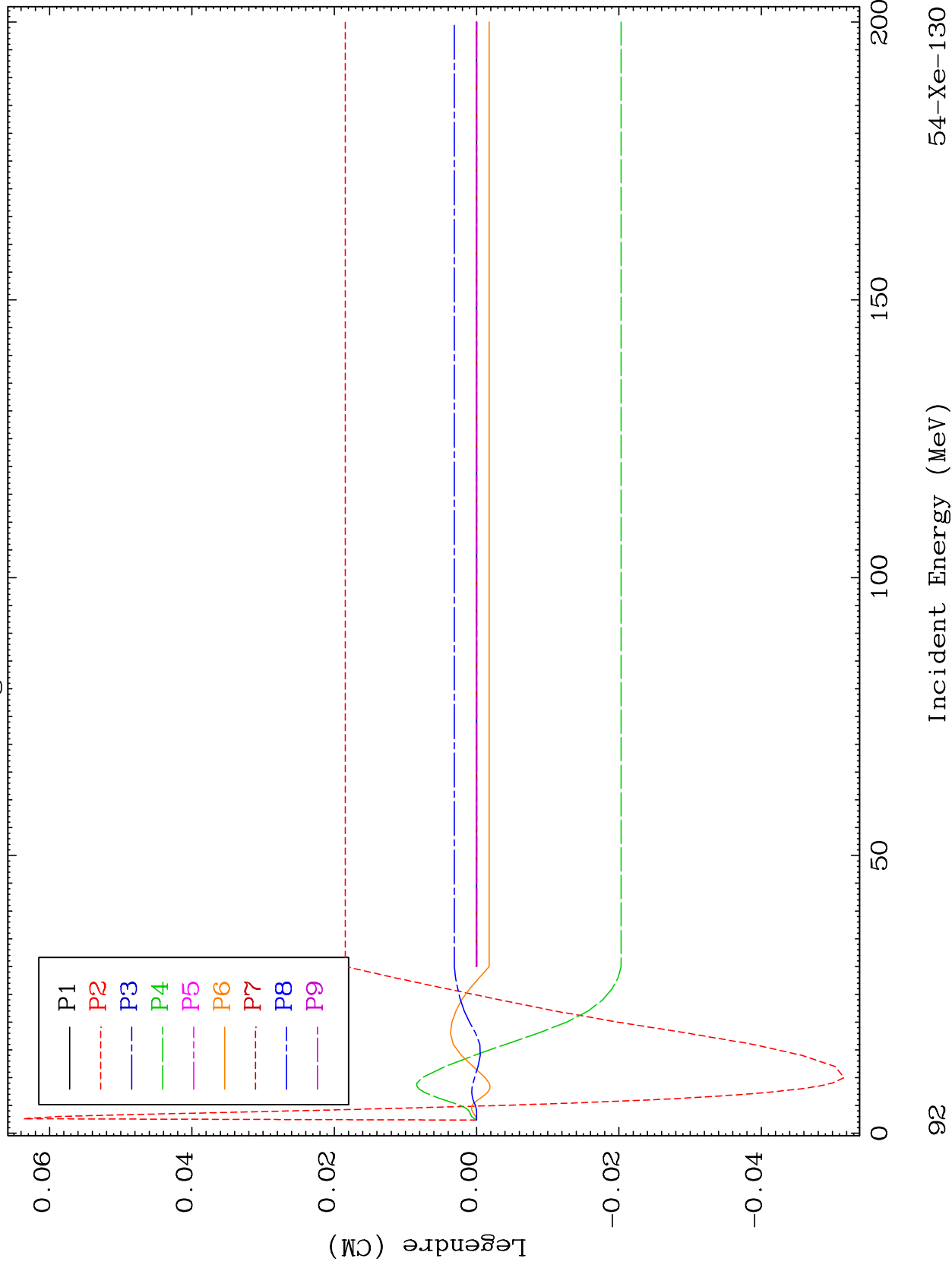
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

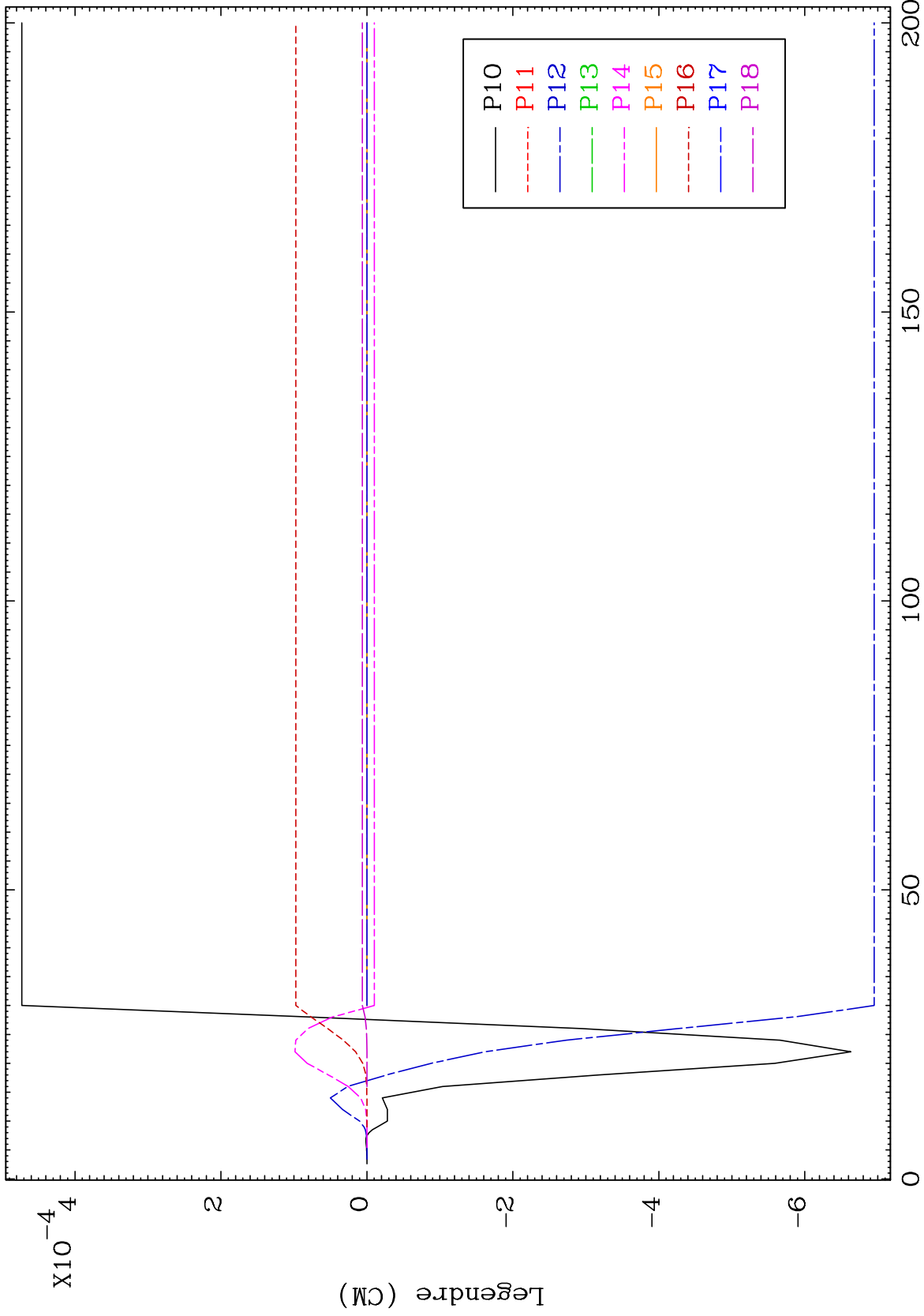
Incident Energy (MeV)

92

MAT 5443

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

54-Xe-130



93

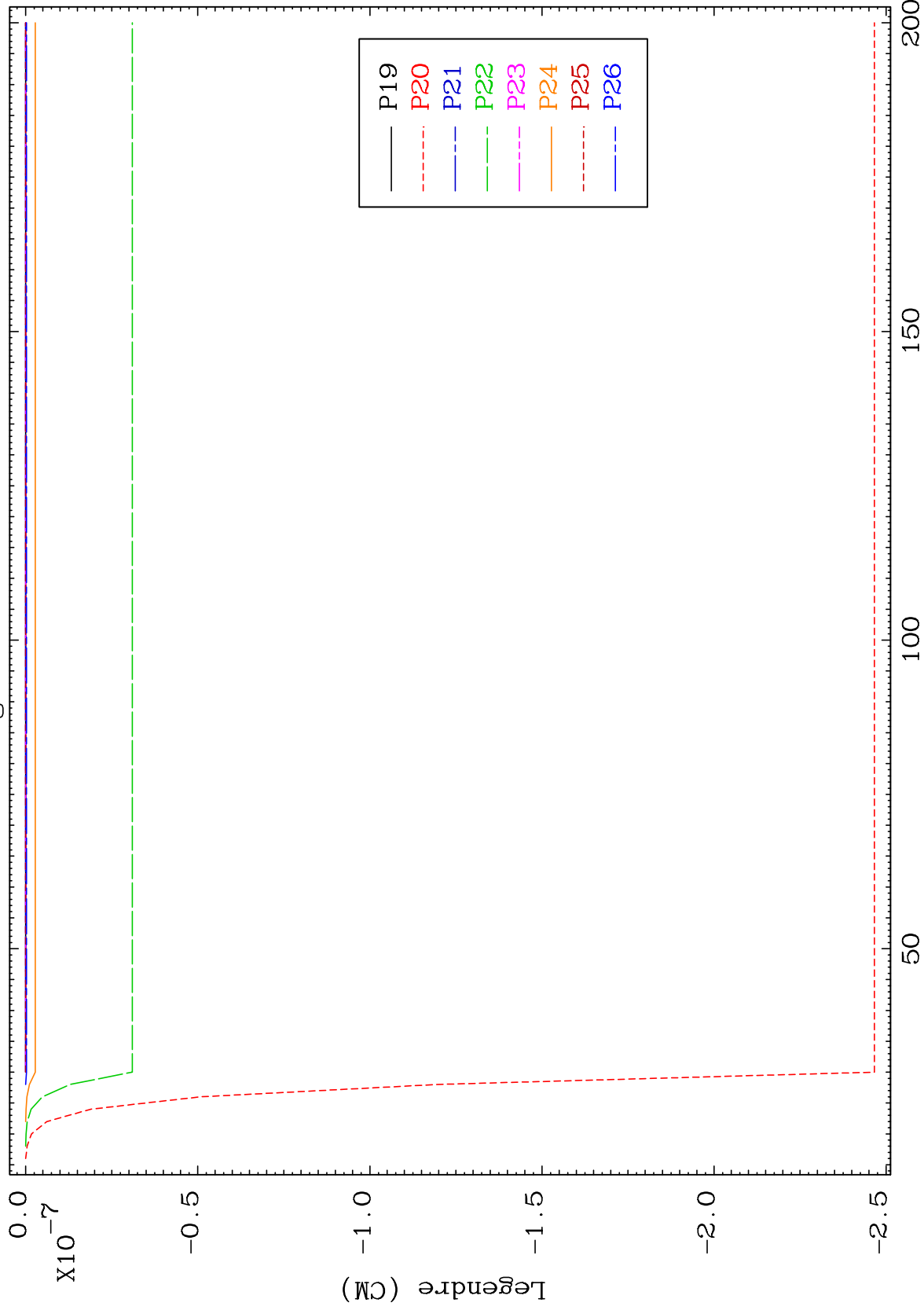
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



94

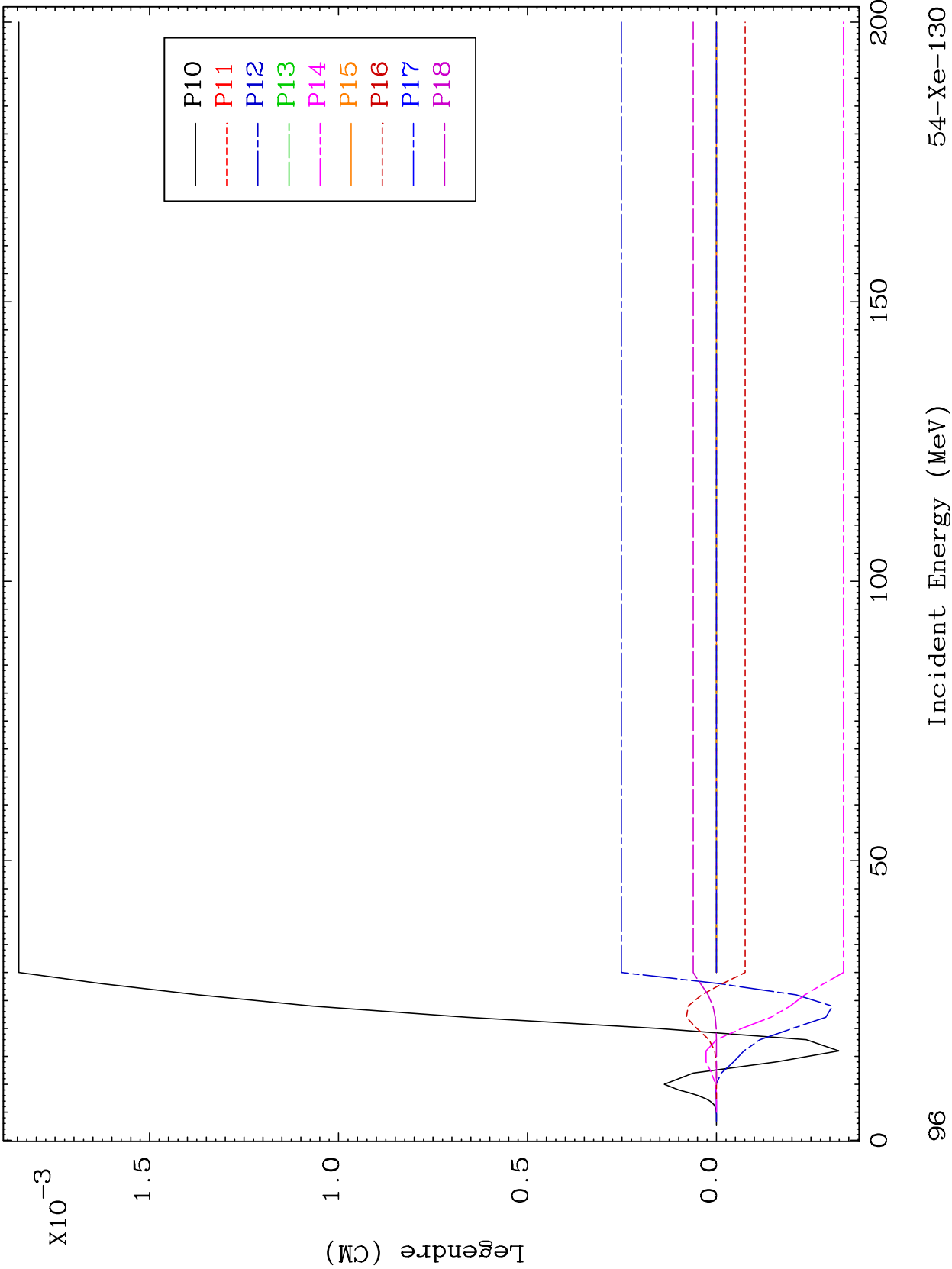
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



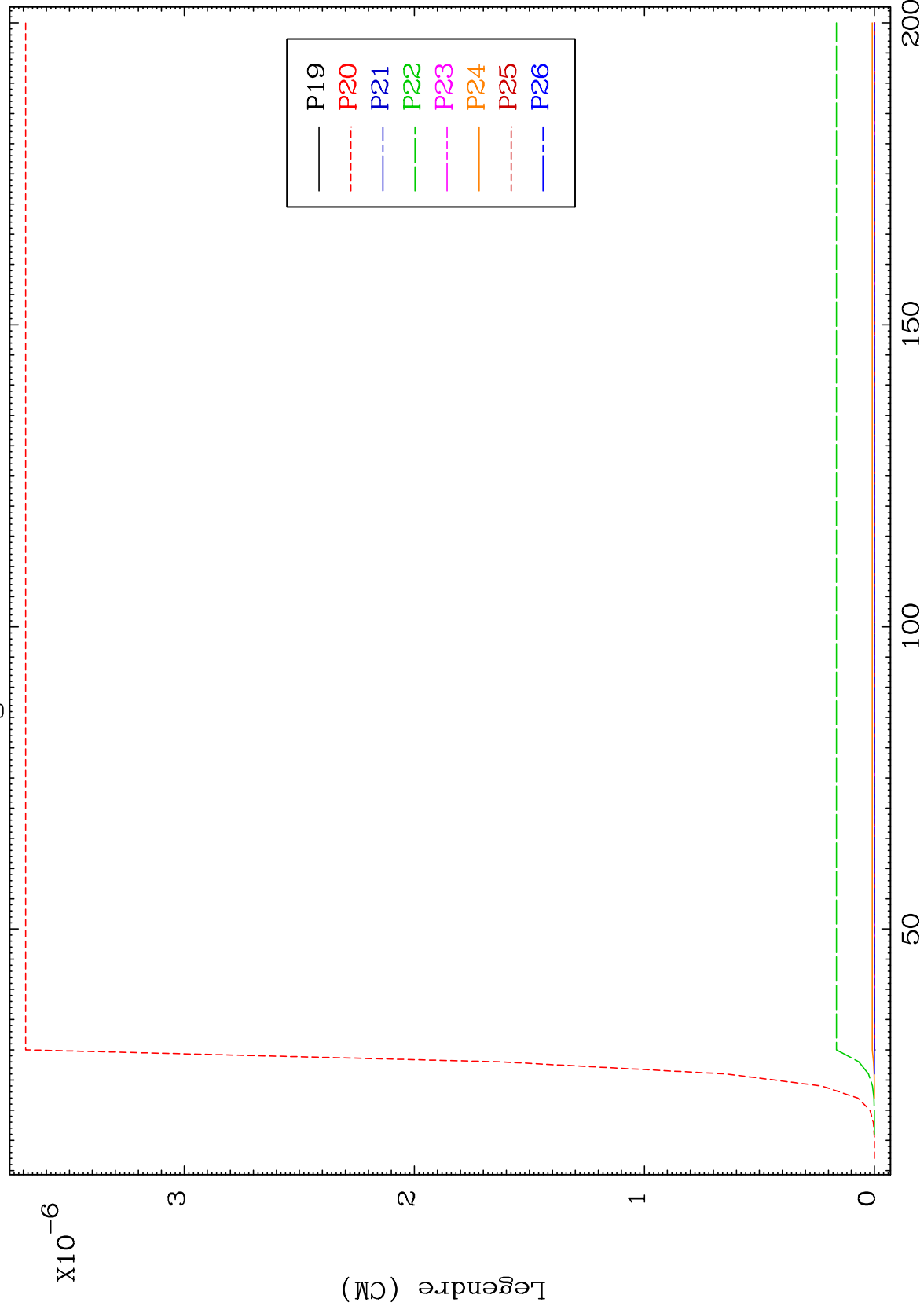
96

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

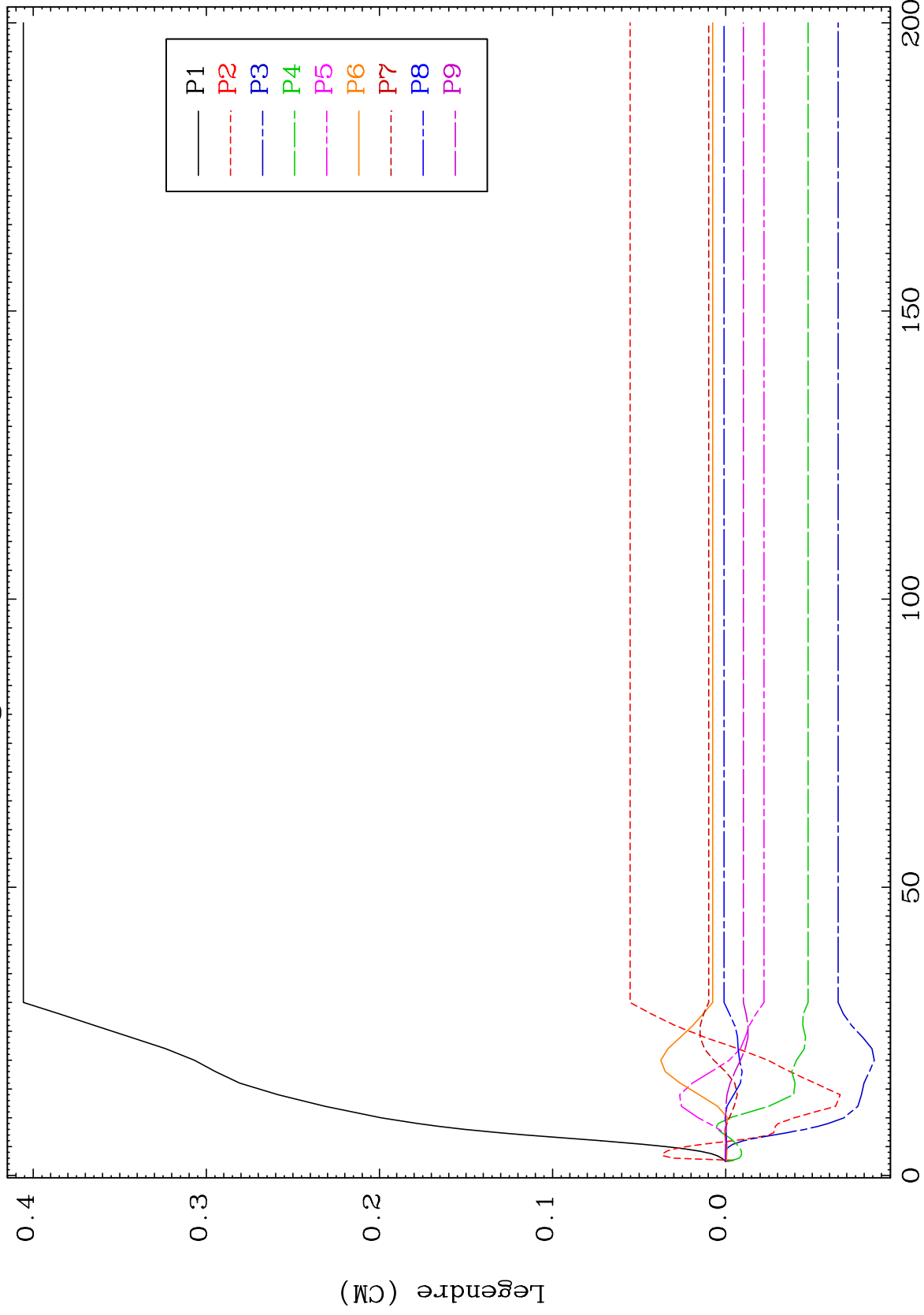
Incident Energy (MeV)

97

MAT 5443

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

54-Xe-130



98

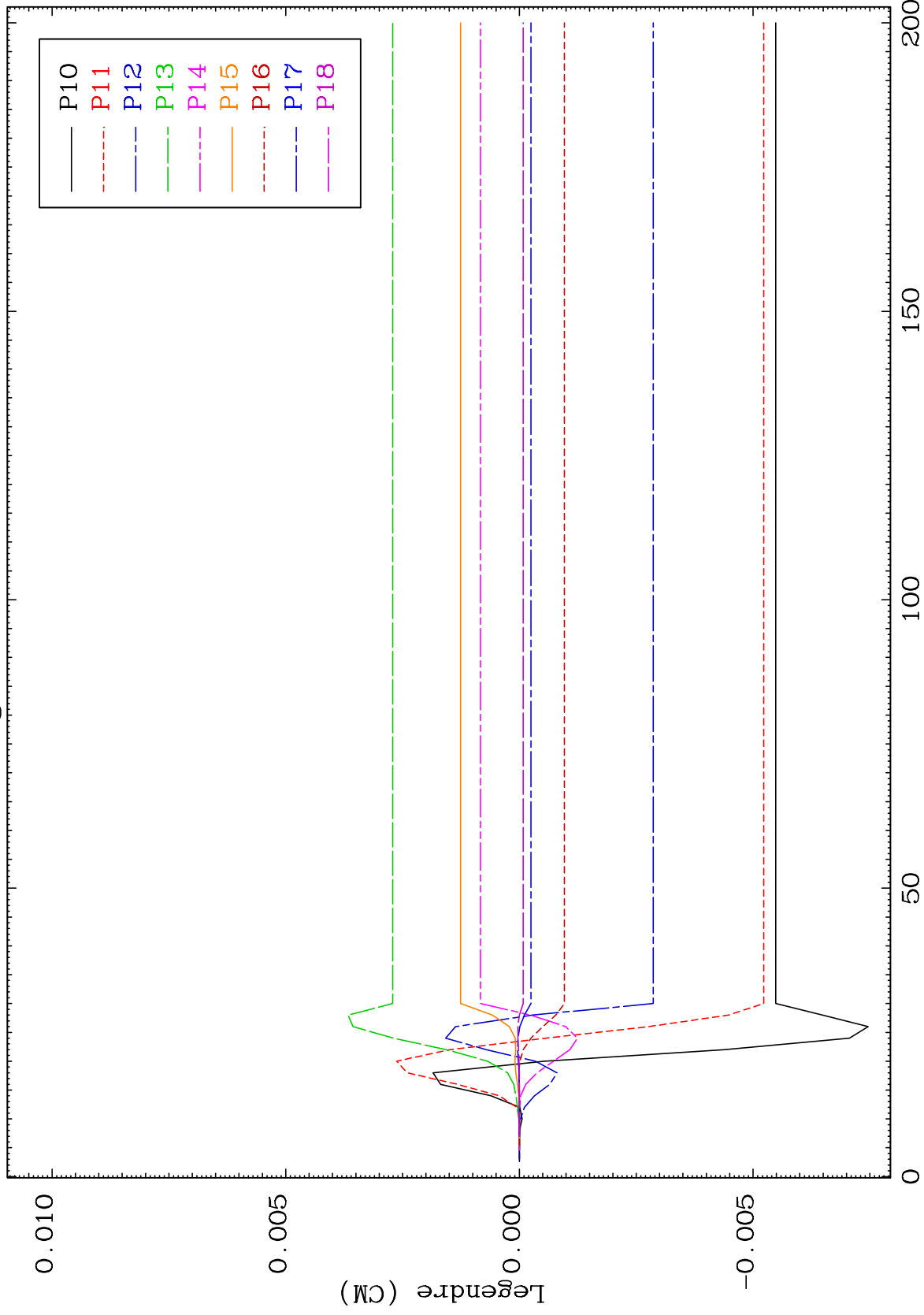
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



99

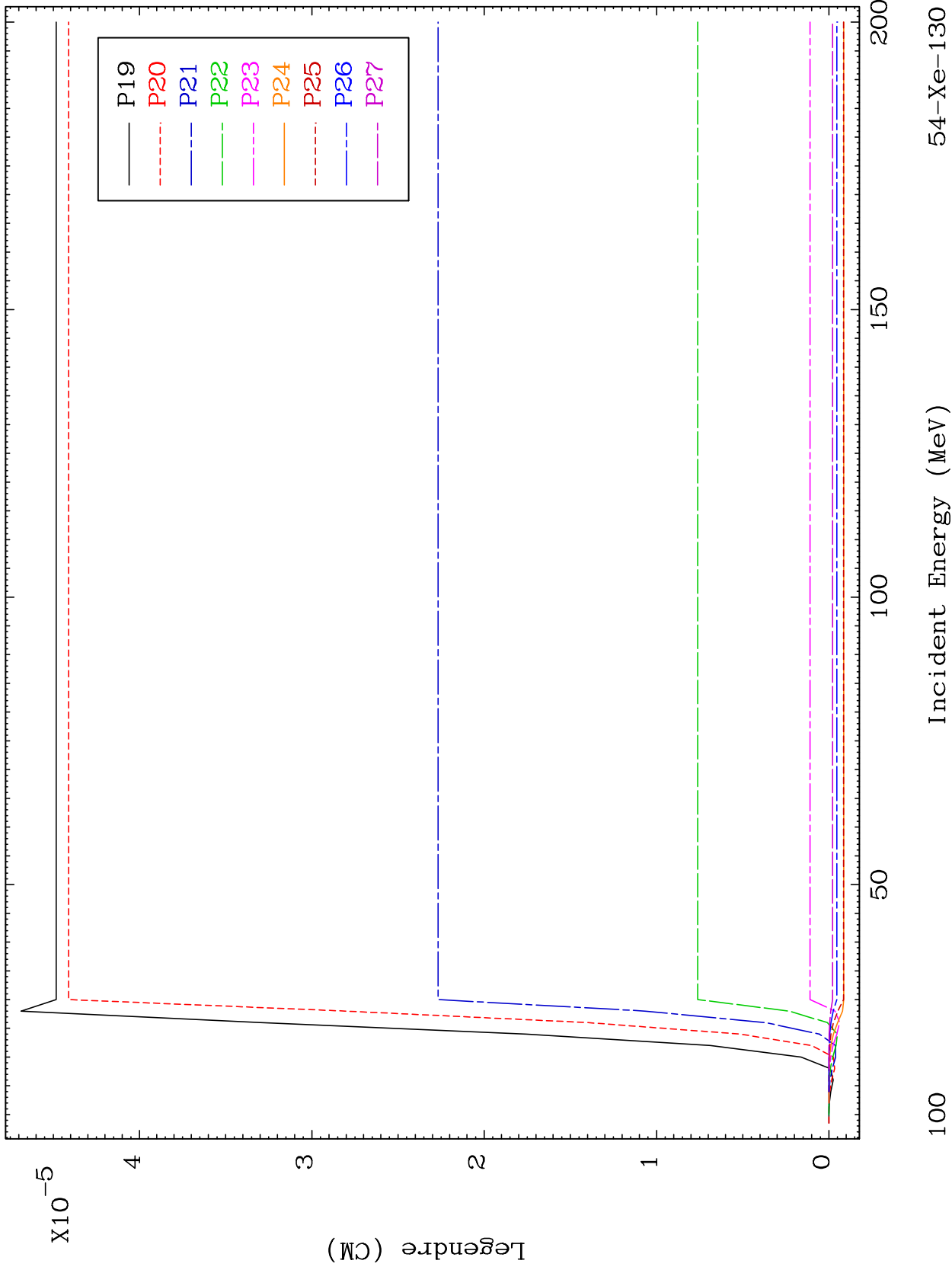
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130

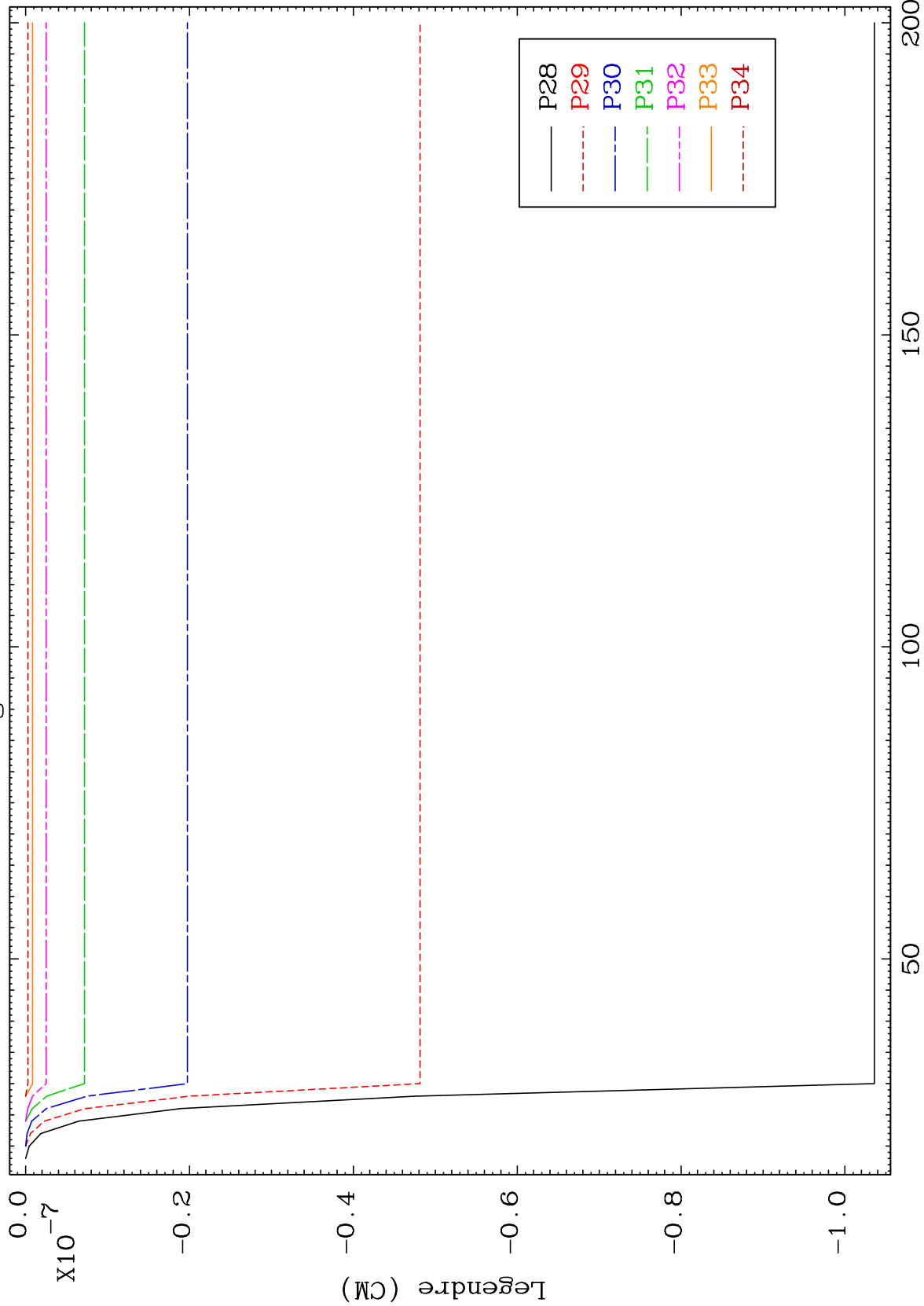


MAT 5443

MT= 72 (n,n') Level

54-Xe-130

Legendre Coefficients



54-Xe-130

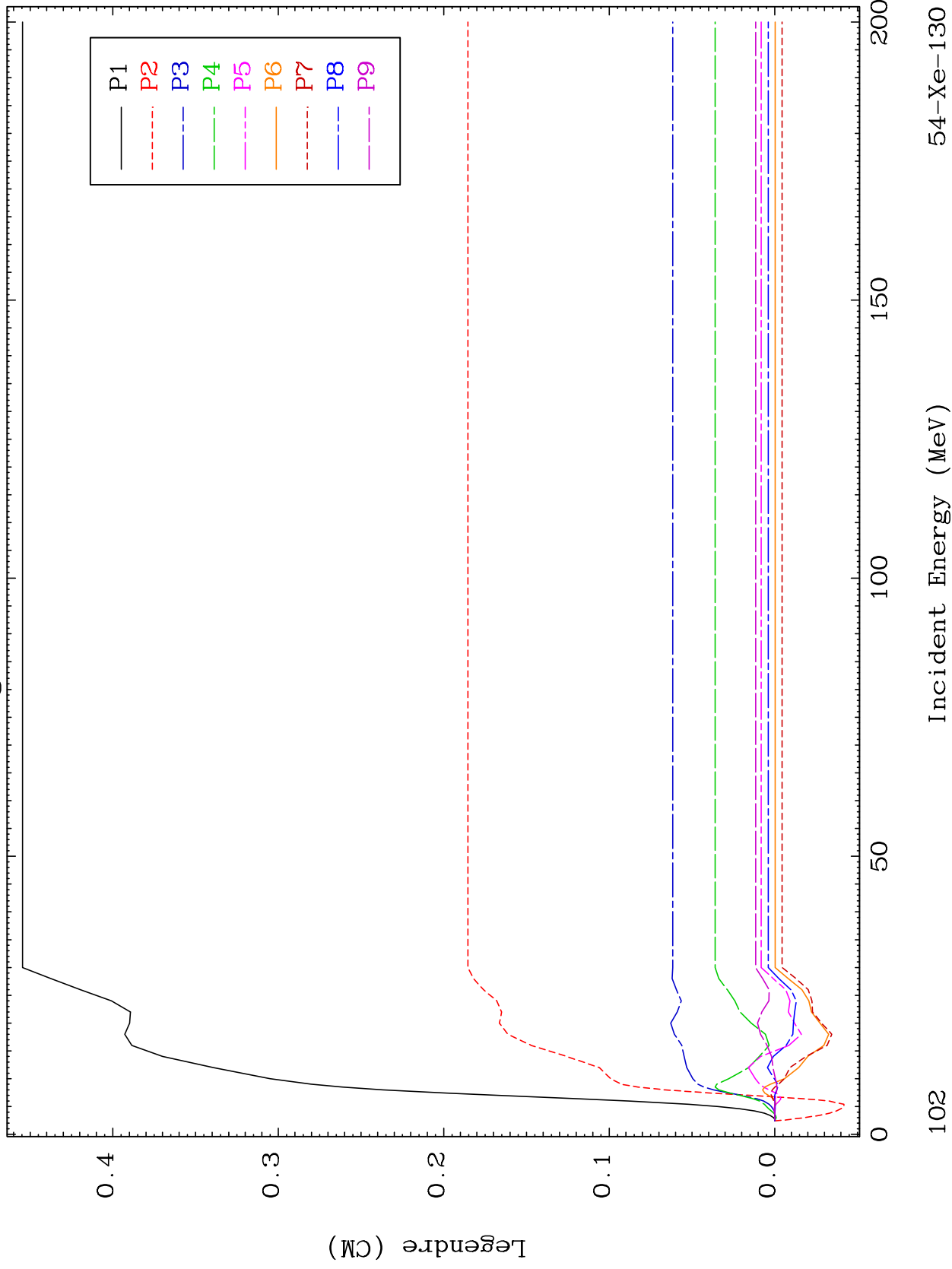
Incident Energy (MeV)

101

MAT 5443

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

54-Xe-130



54-Xe-130

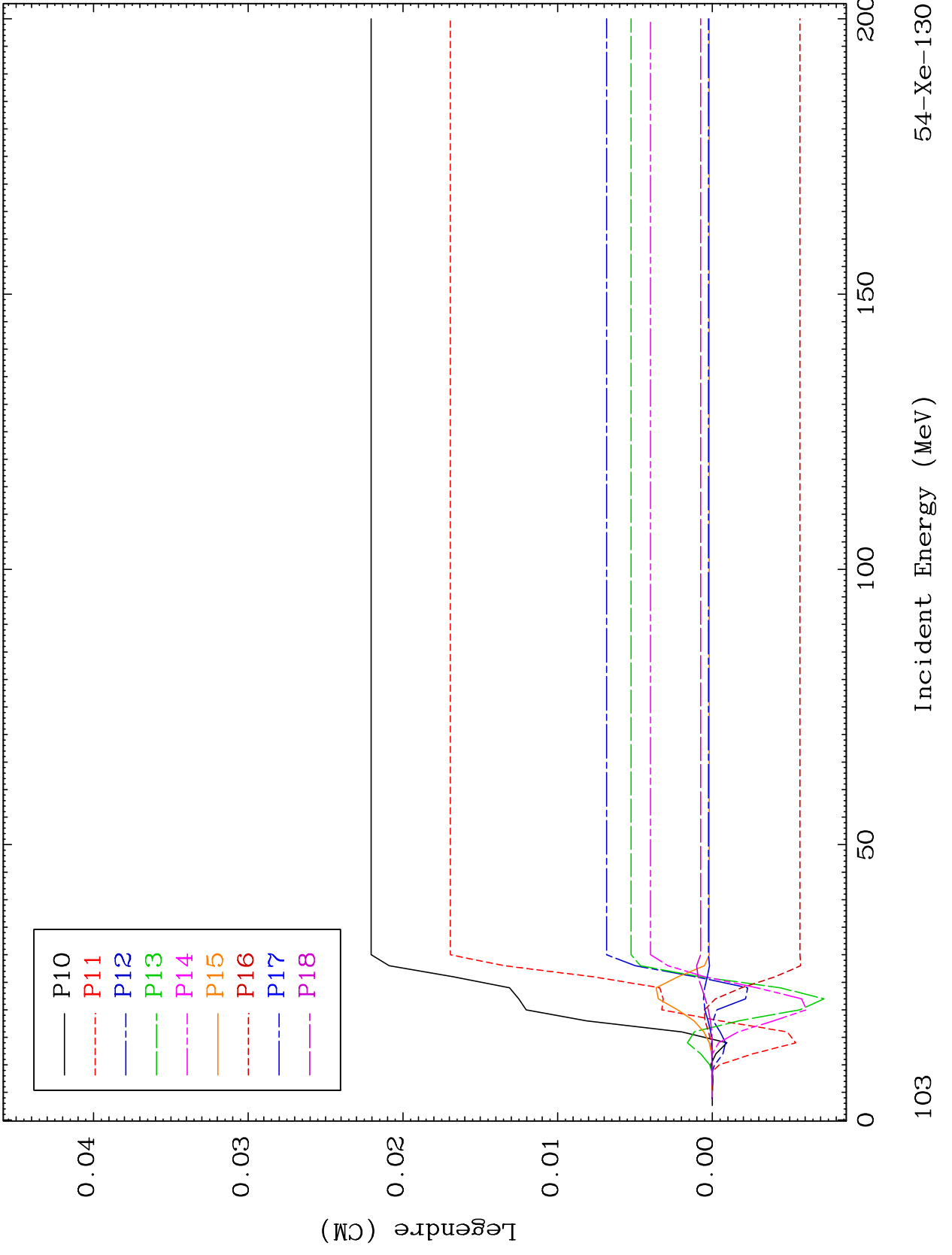
Incident Energy (MeV)

102

MAT 5443

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

54-Xe-130



103

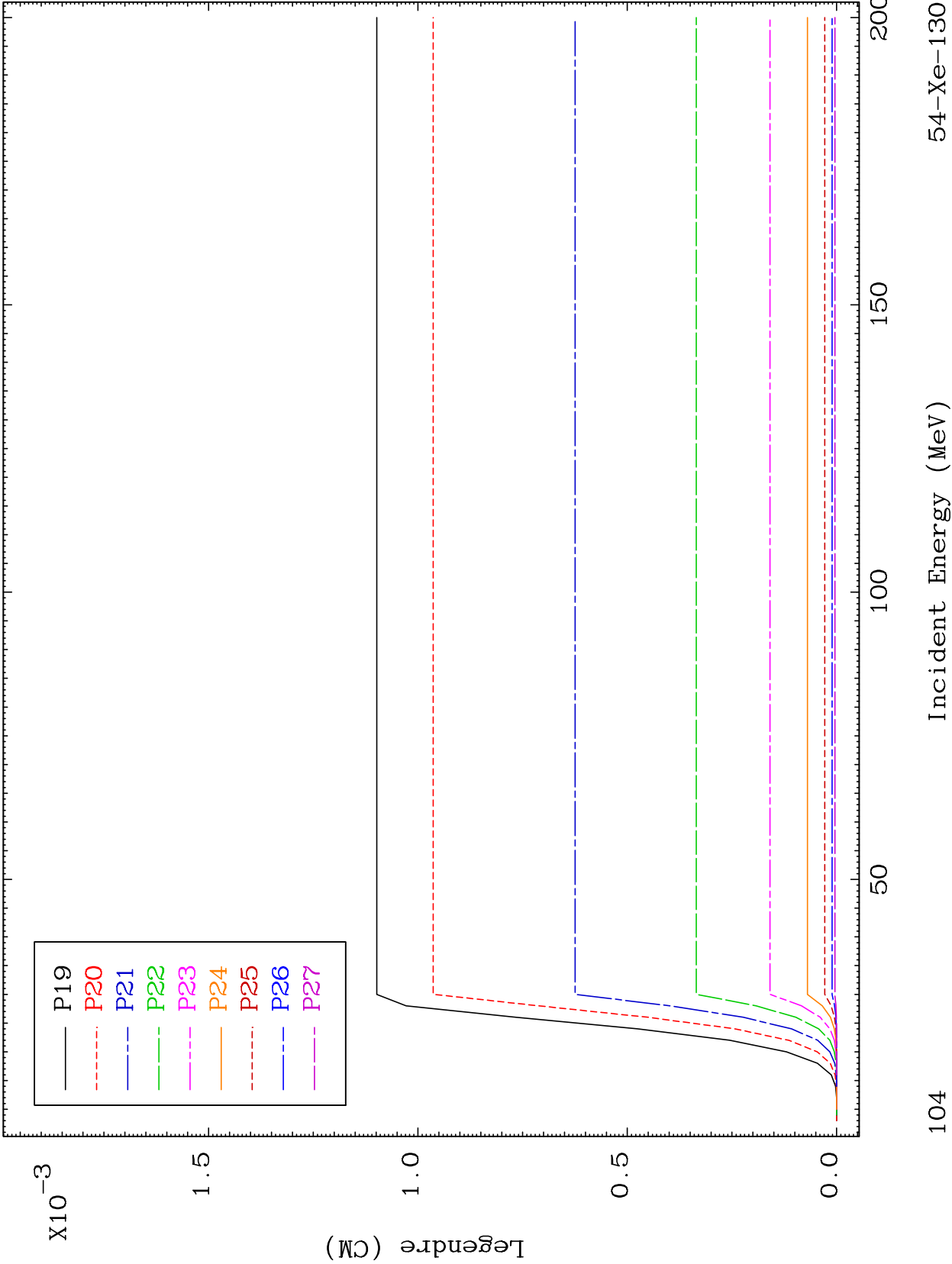
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



104

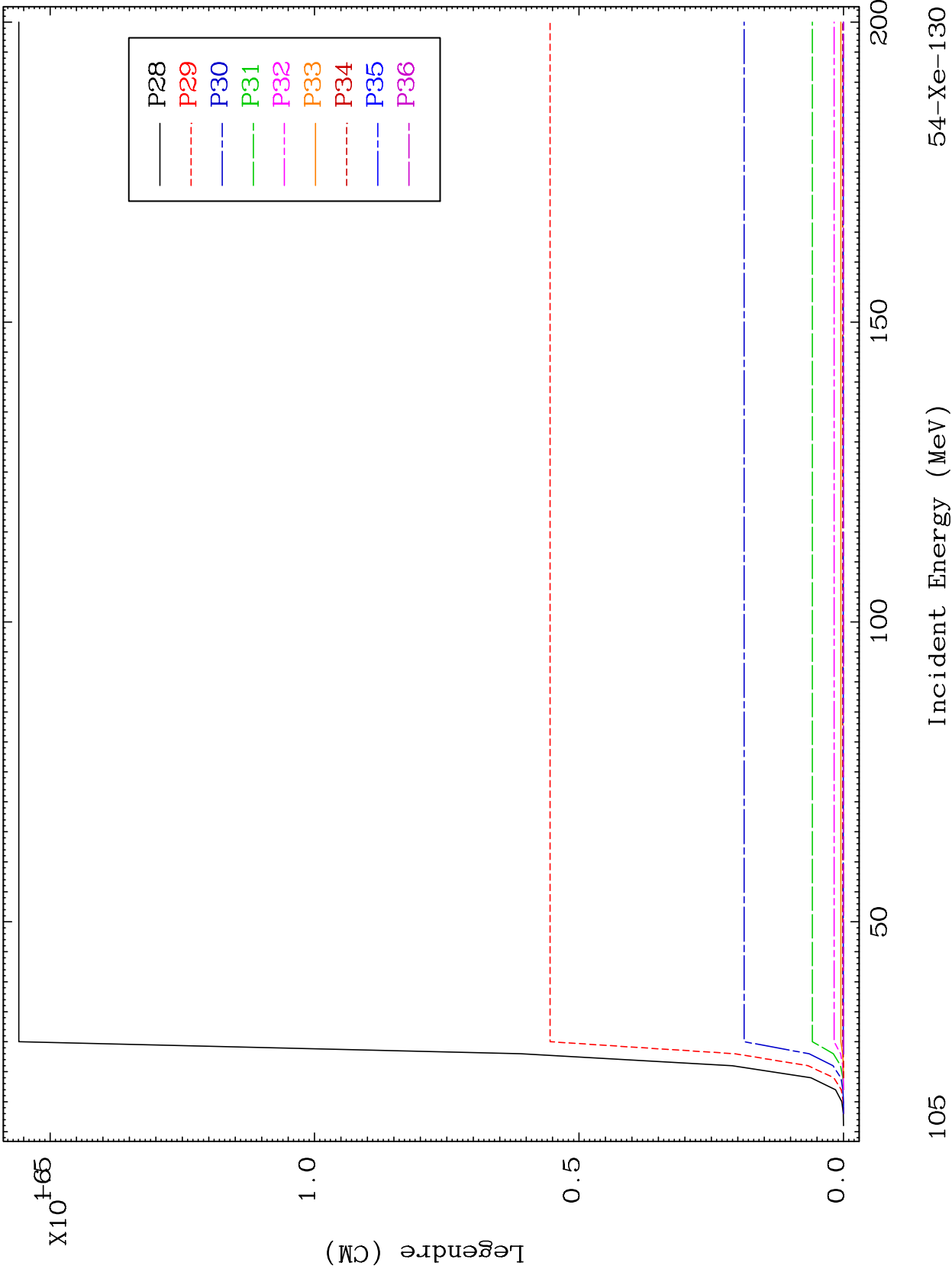
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



105

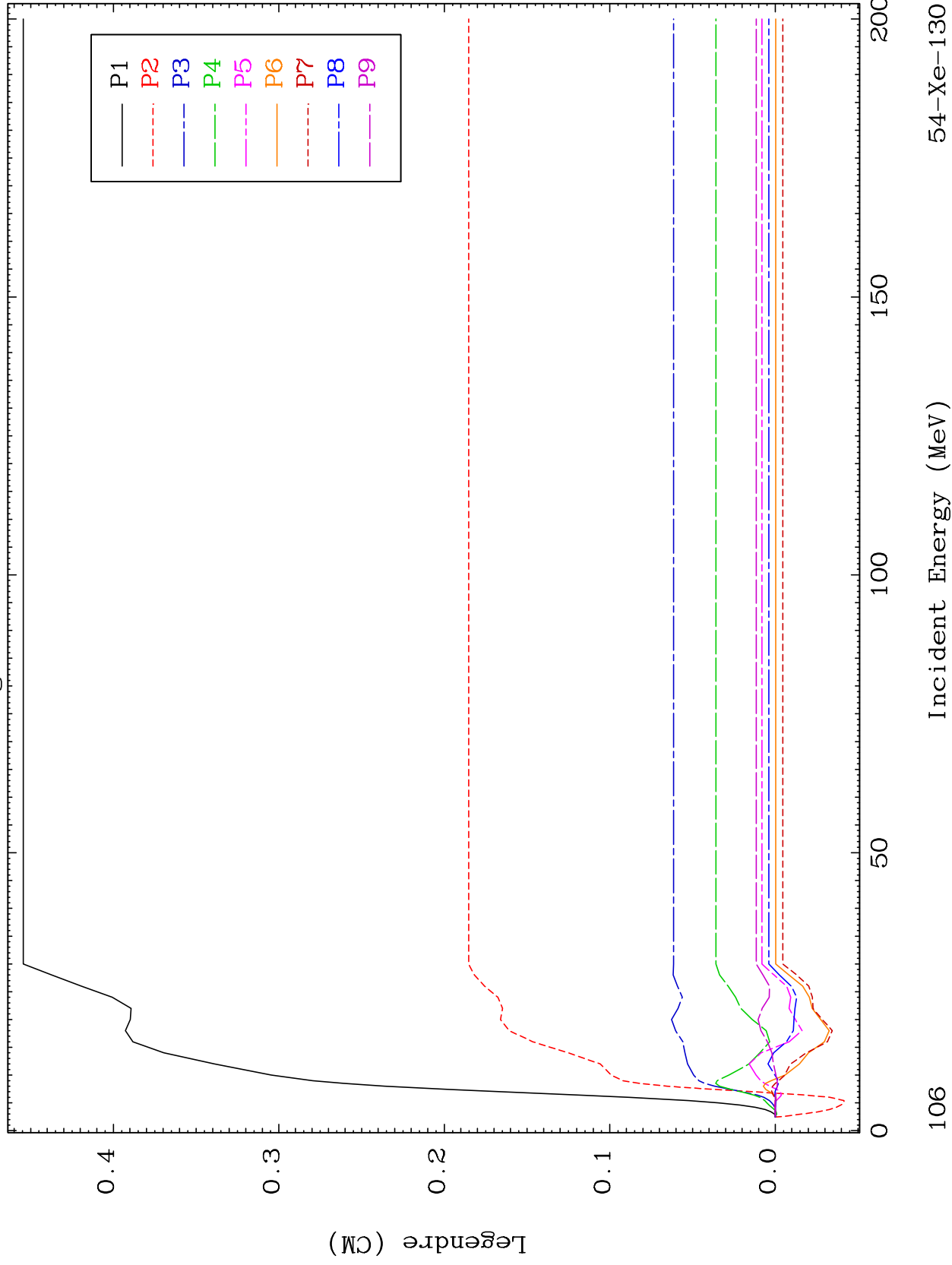
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



106

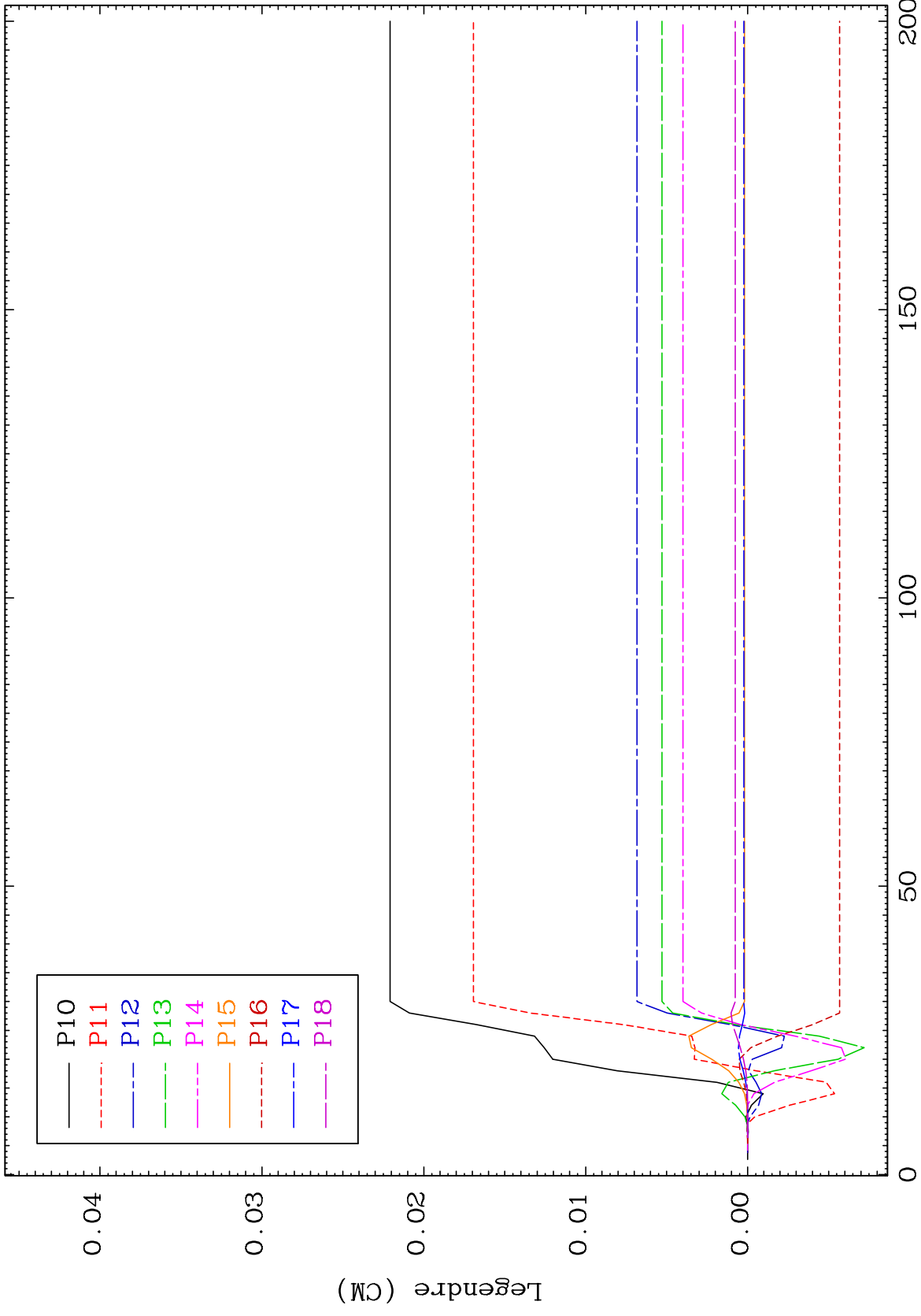
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



107

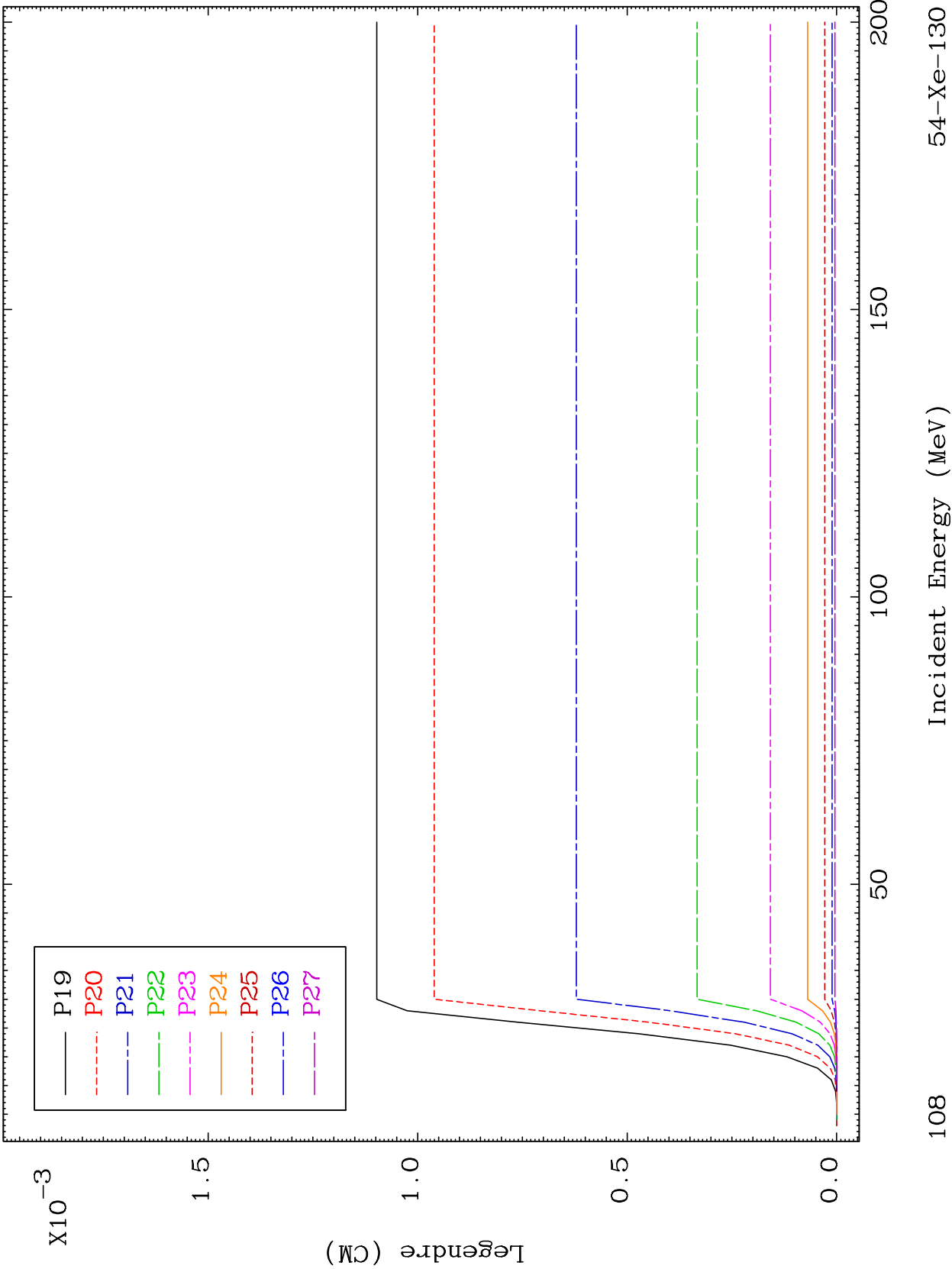
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



108

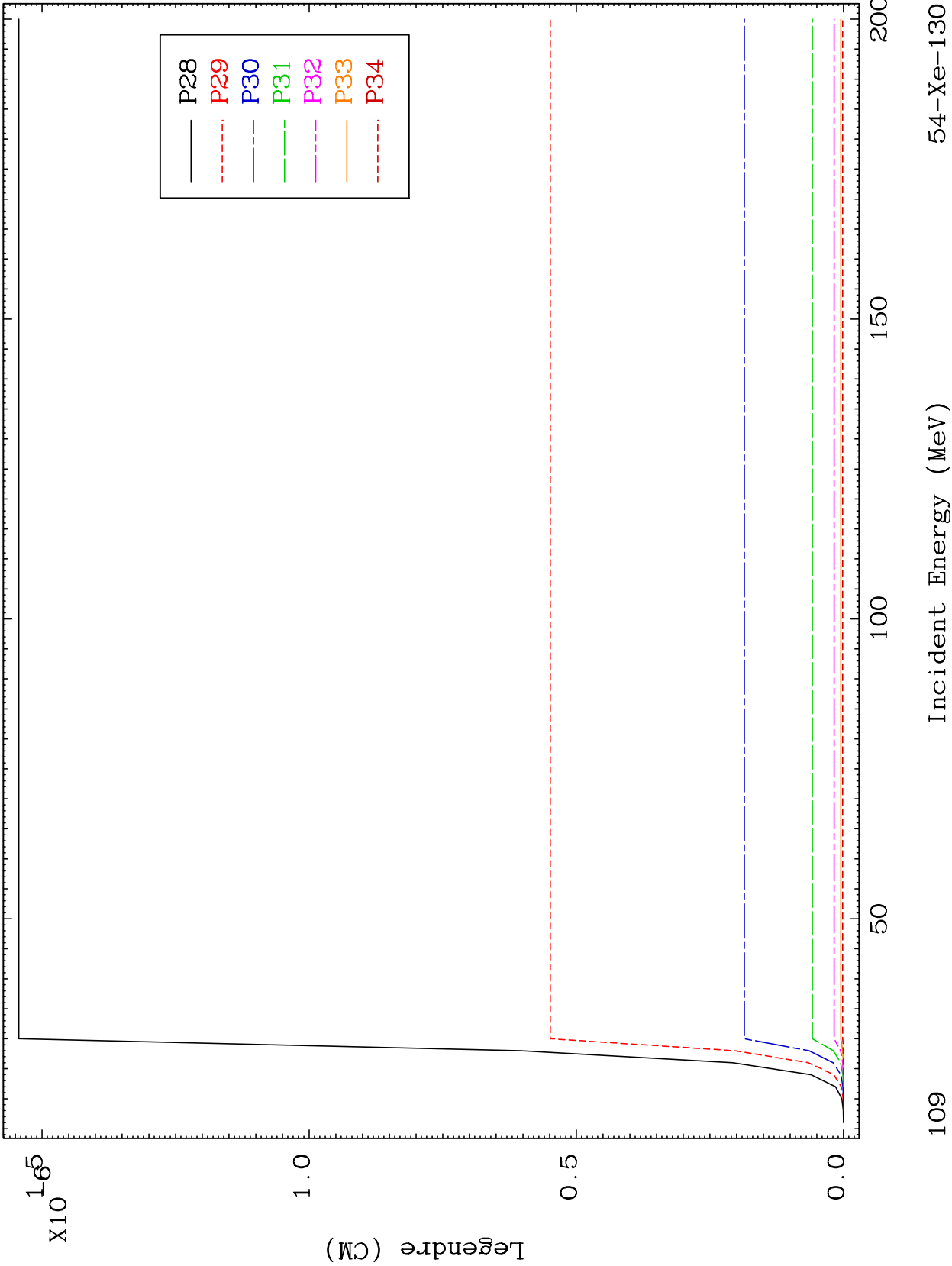
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



109

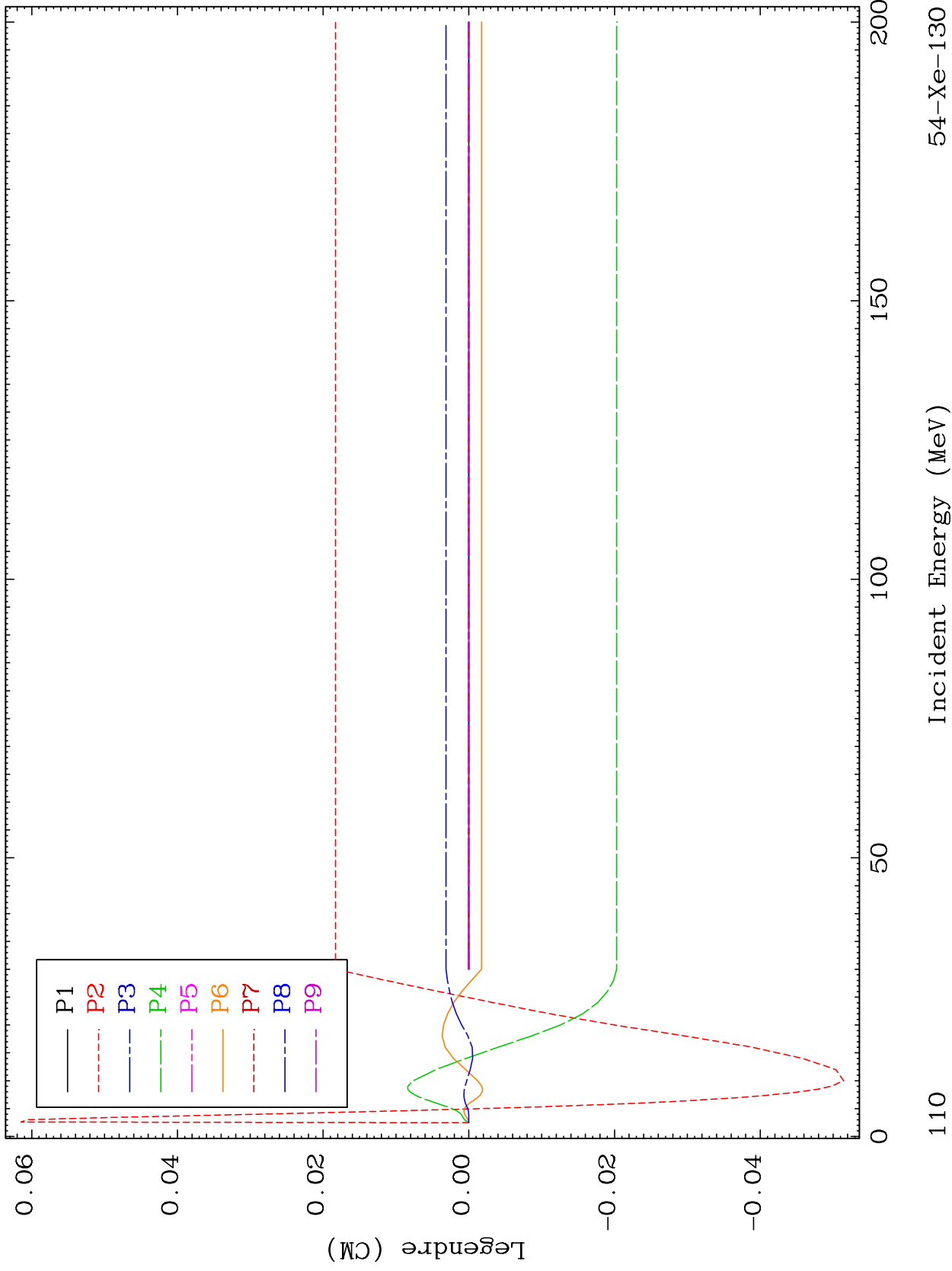
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



54-Xe-130

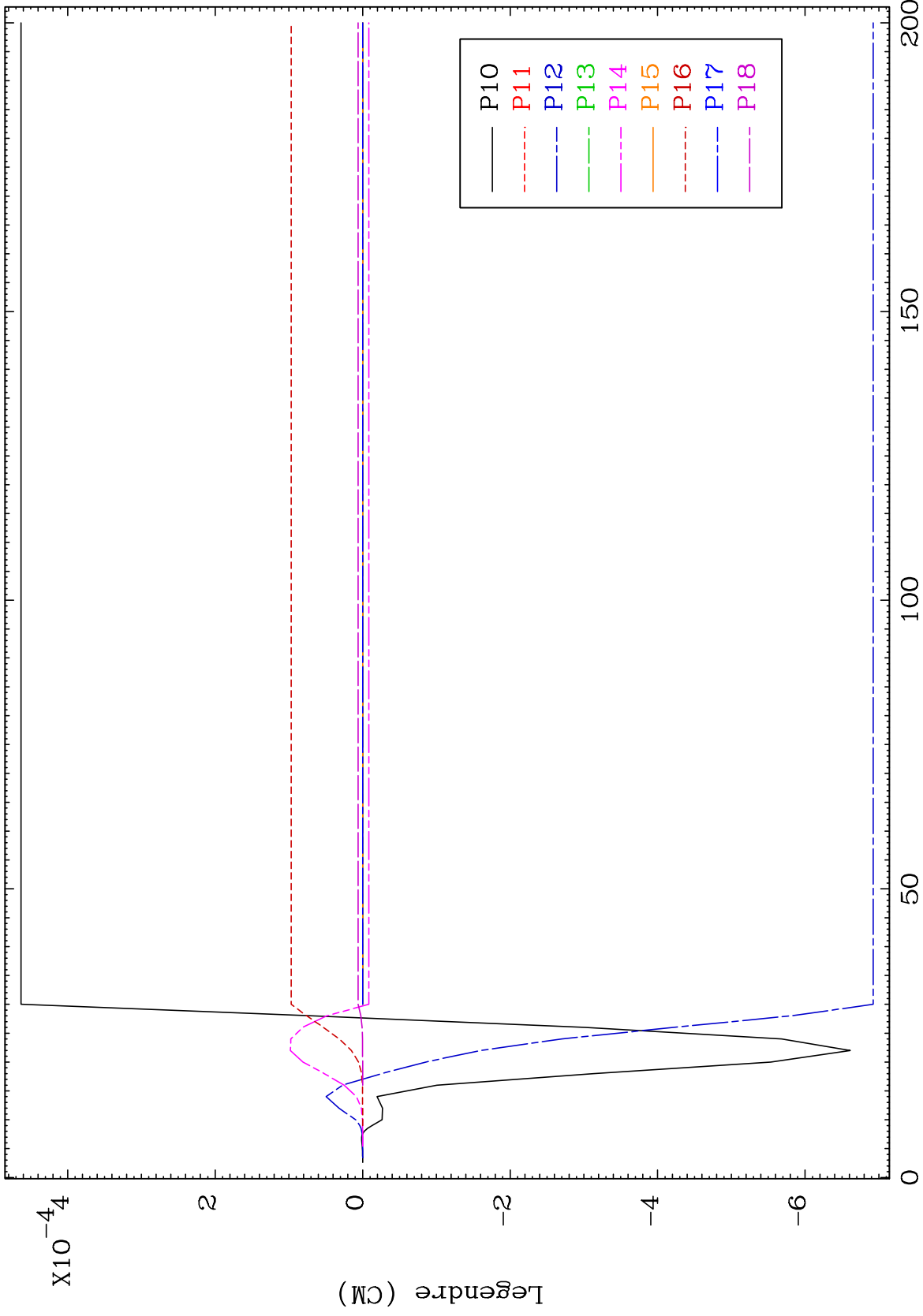
Incident Energy (MeV)

110

MAT 5443

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

54-Xe-130



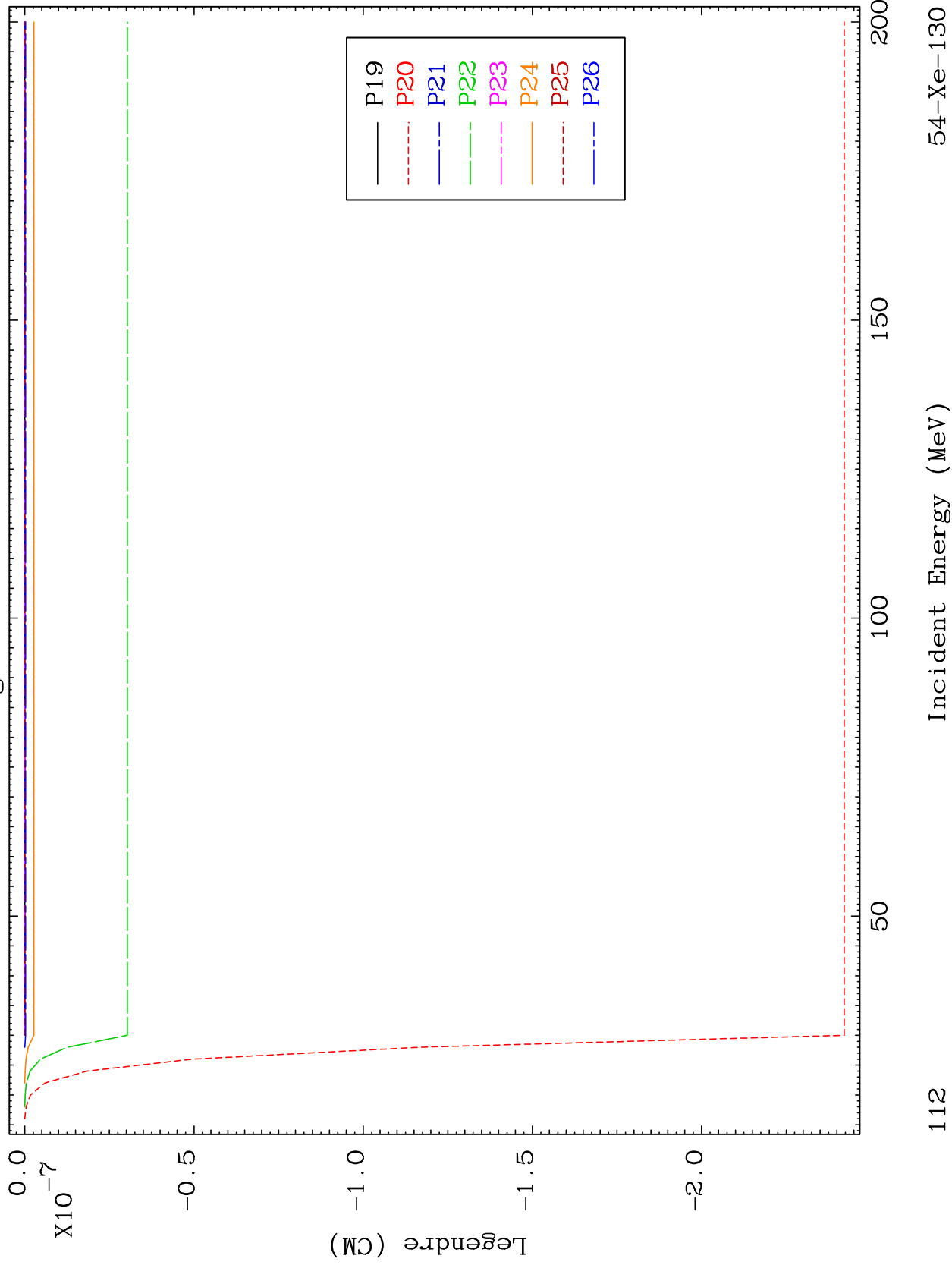
111

54-Xe-130

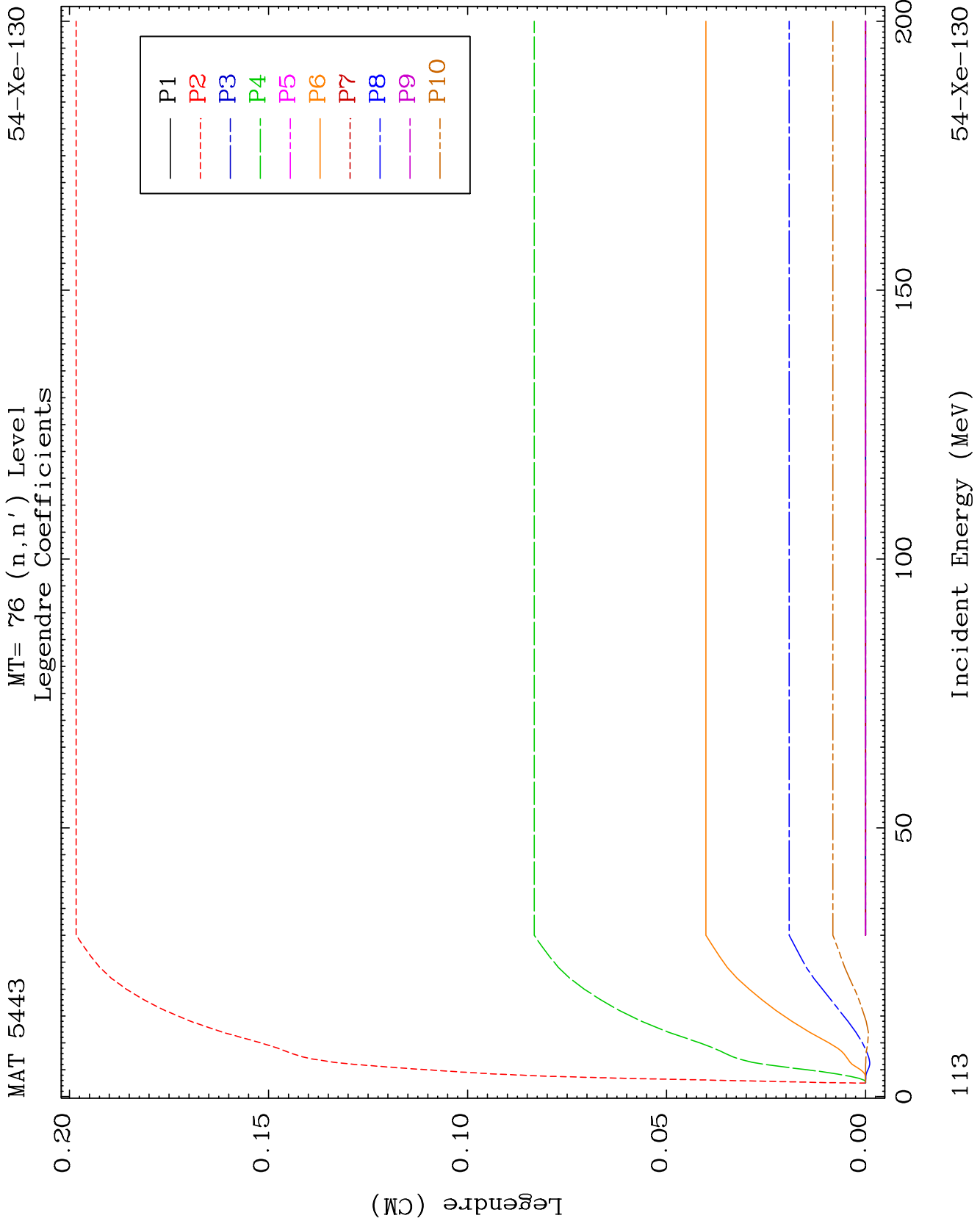
MAT 5443

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

54-Xe-130



112

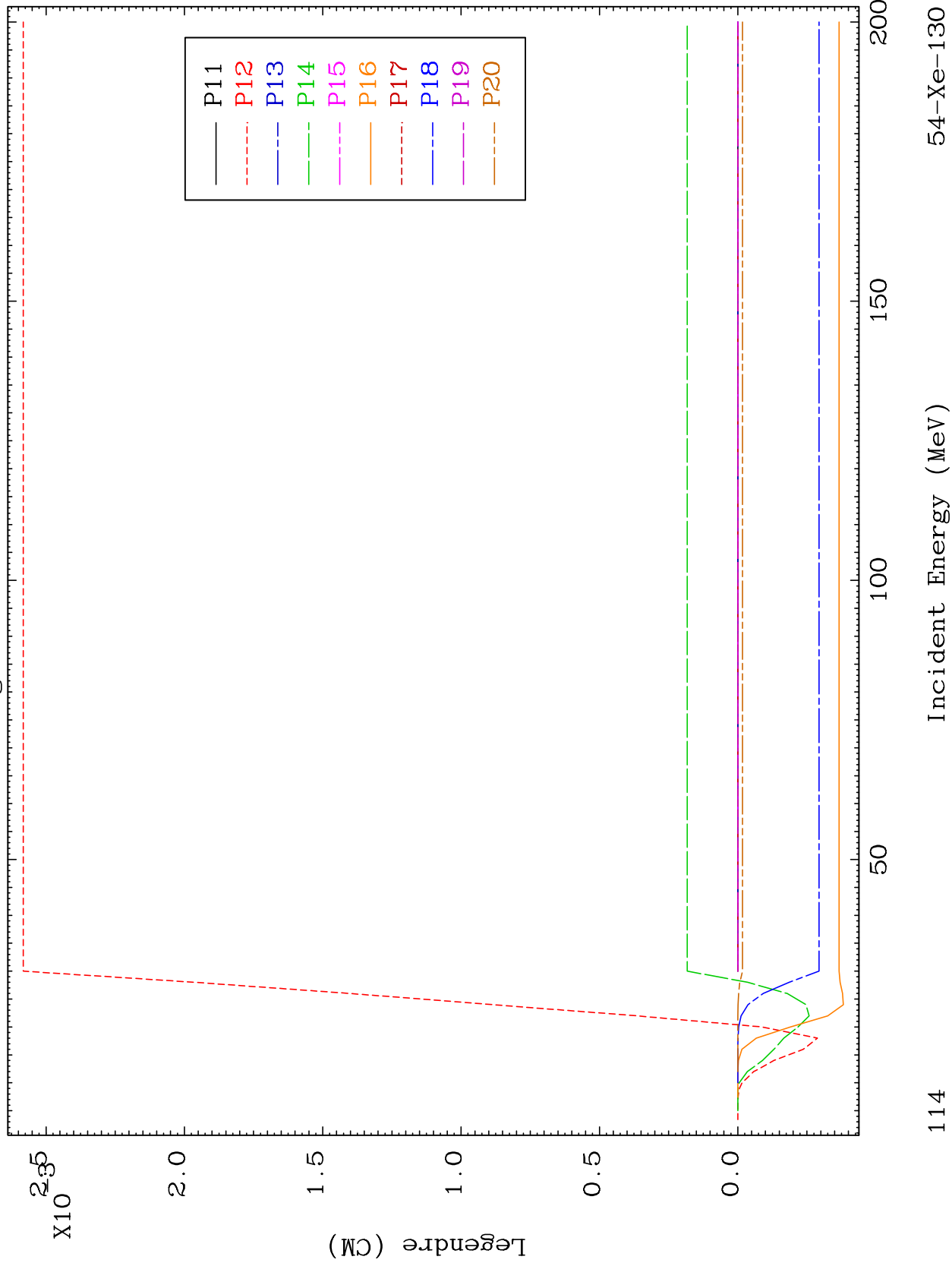


MAT 5443

MT= 76 (n,n') Level

54-Xe-130

Legendre Coefficients

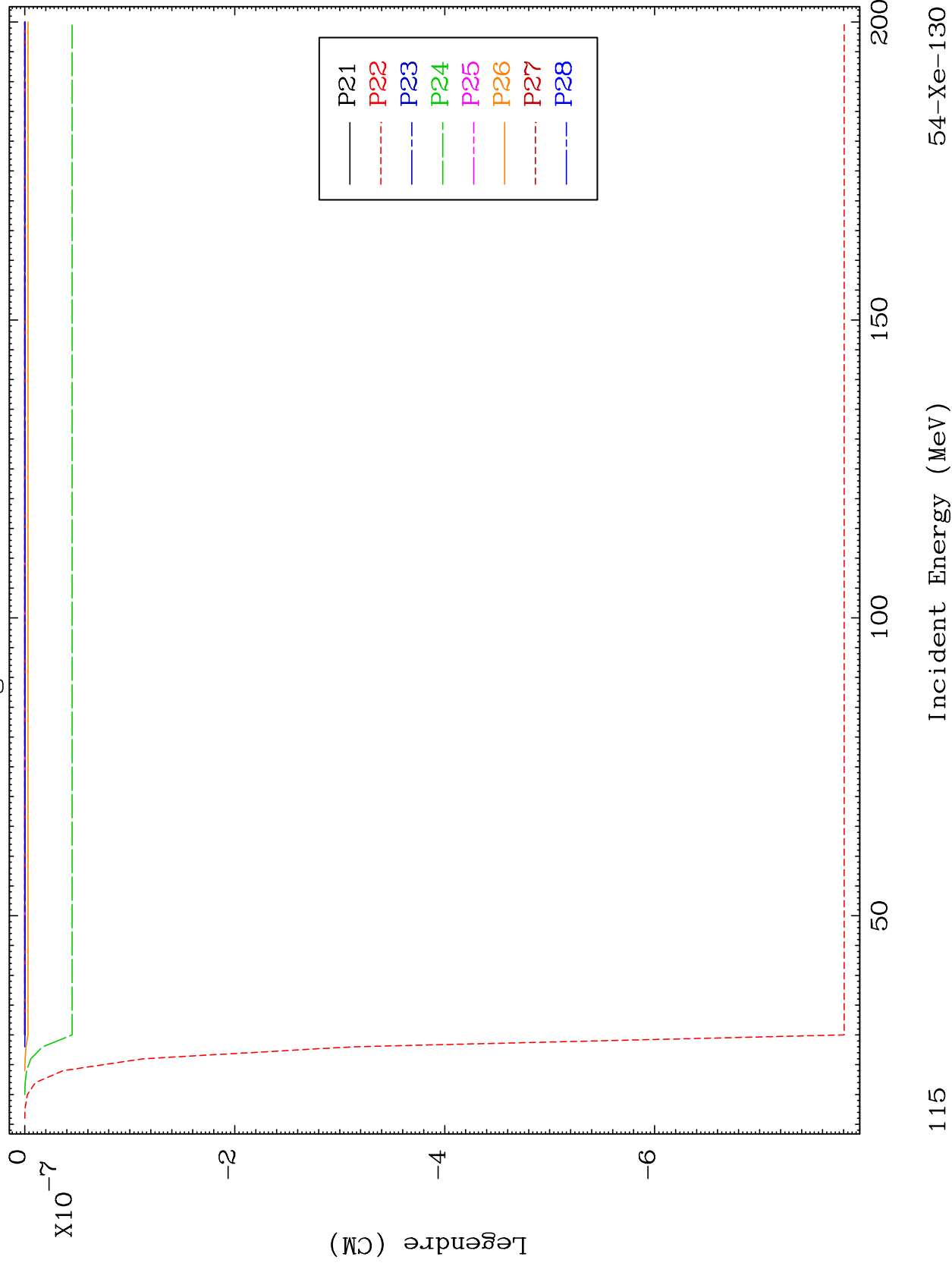


114

MAT 5443

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

54-Xe-130



54-Xe-130

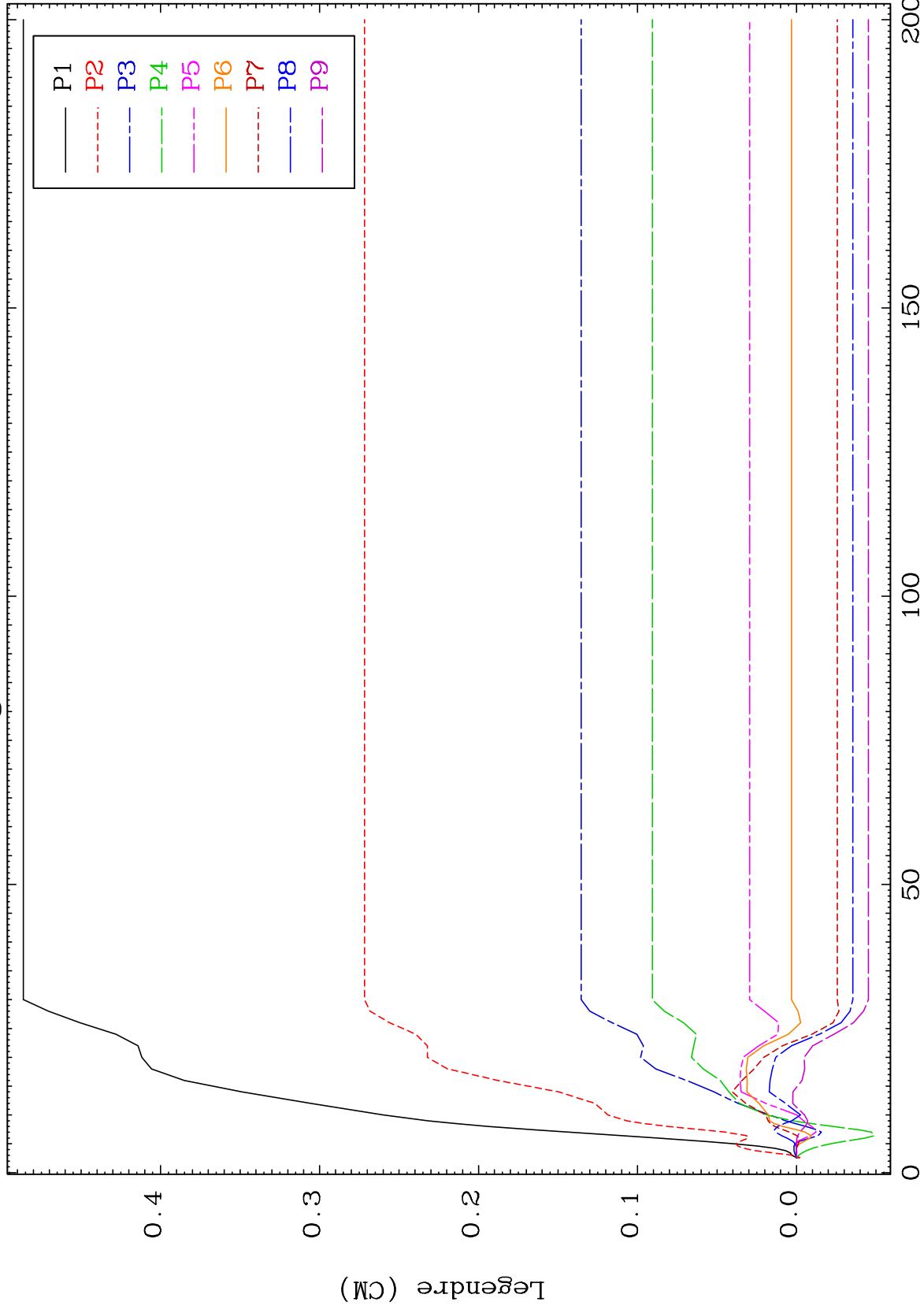
Incident Energy (MeV)

115

MAT 5443

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

54-Xe-130



116

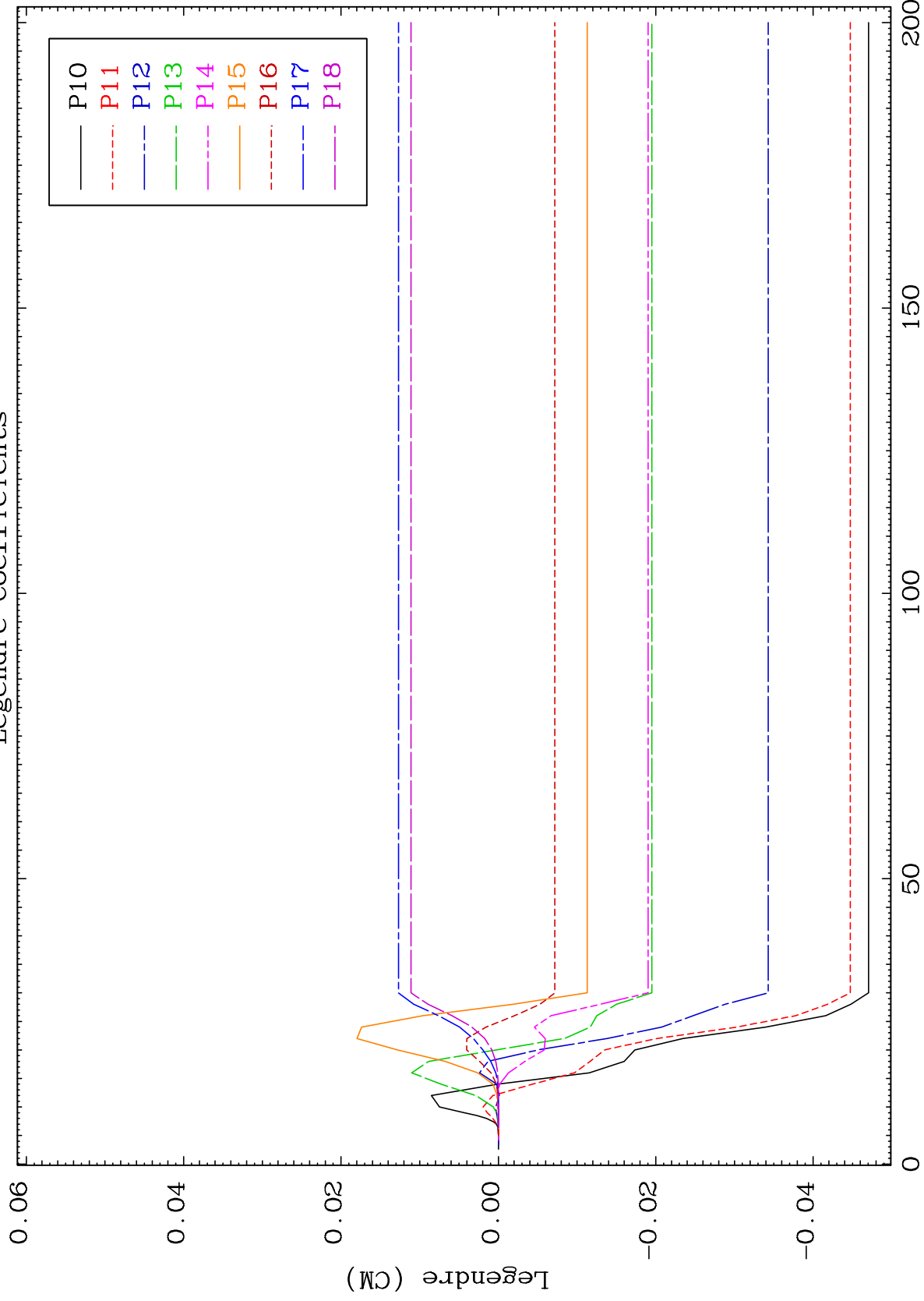
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



117

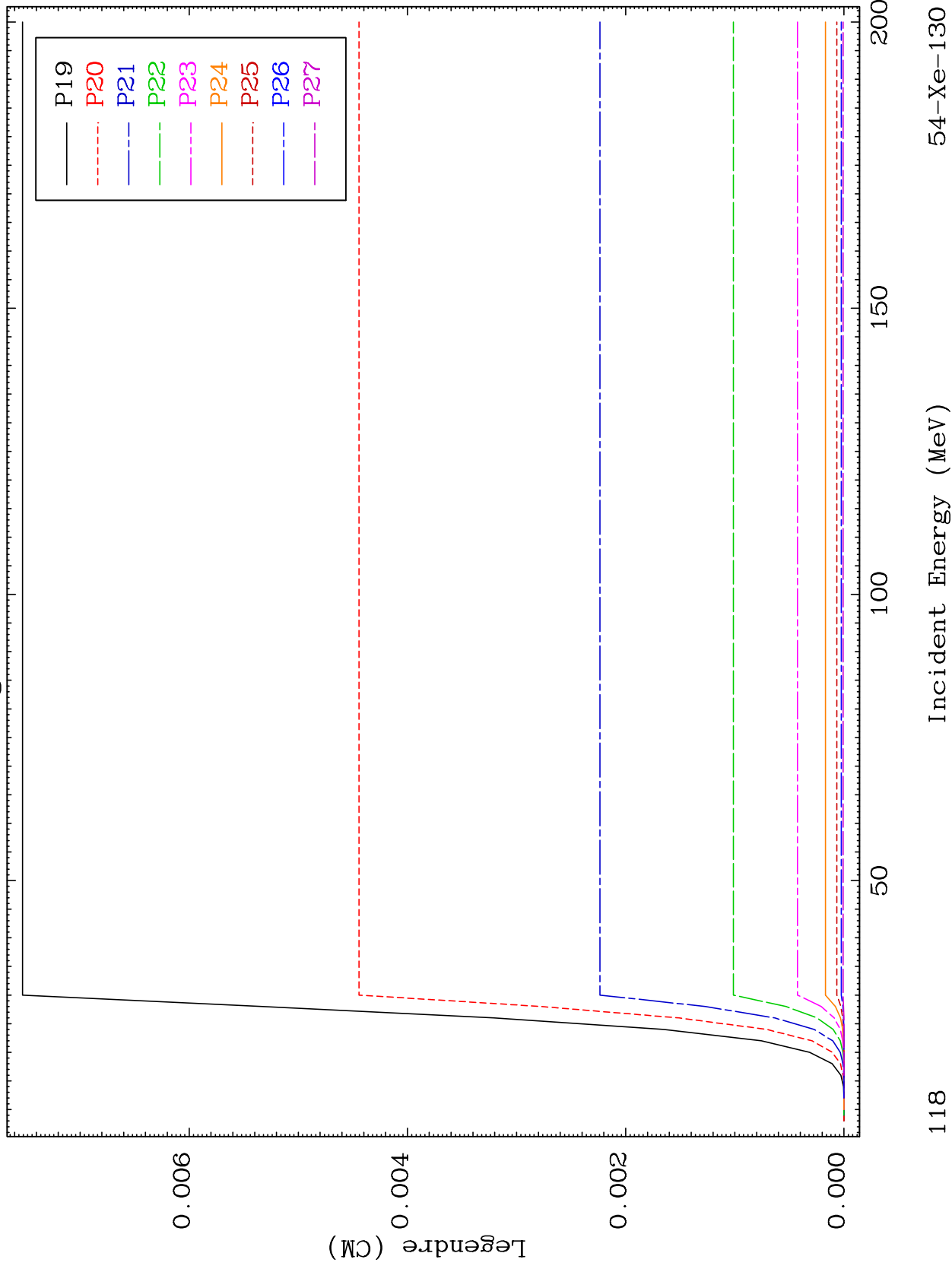
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



118

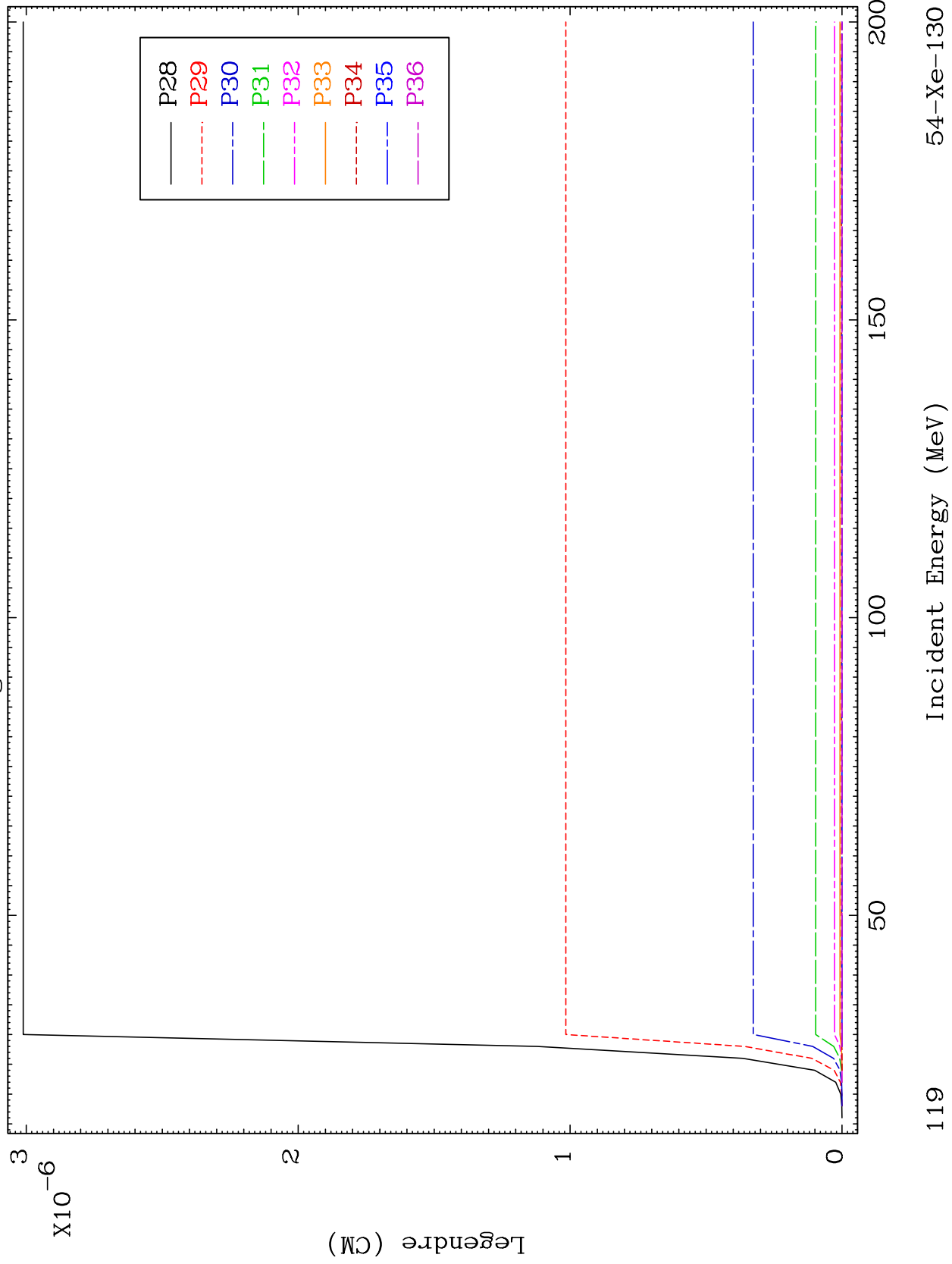
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

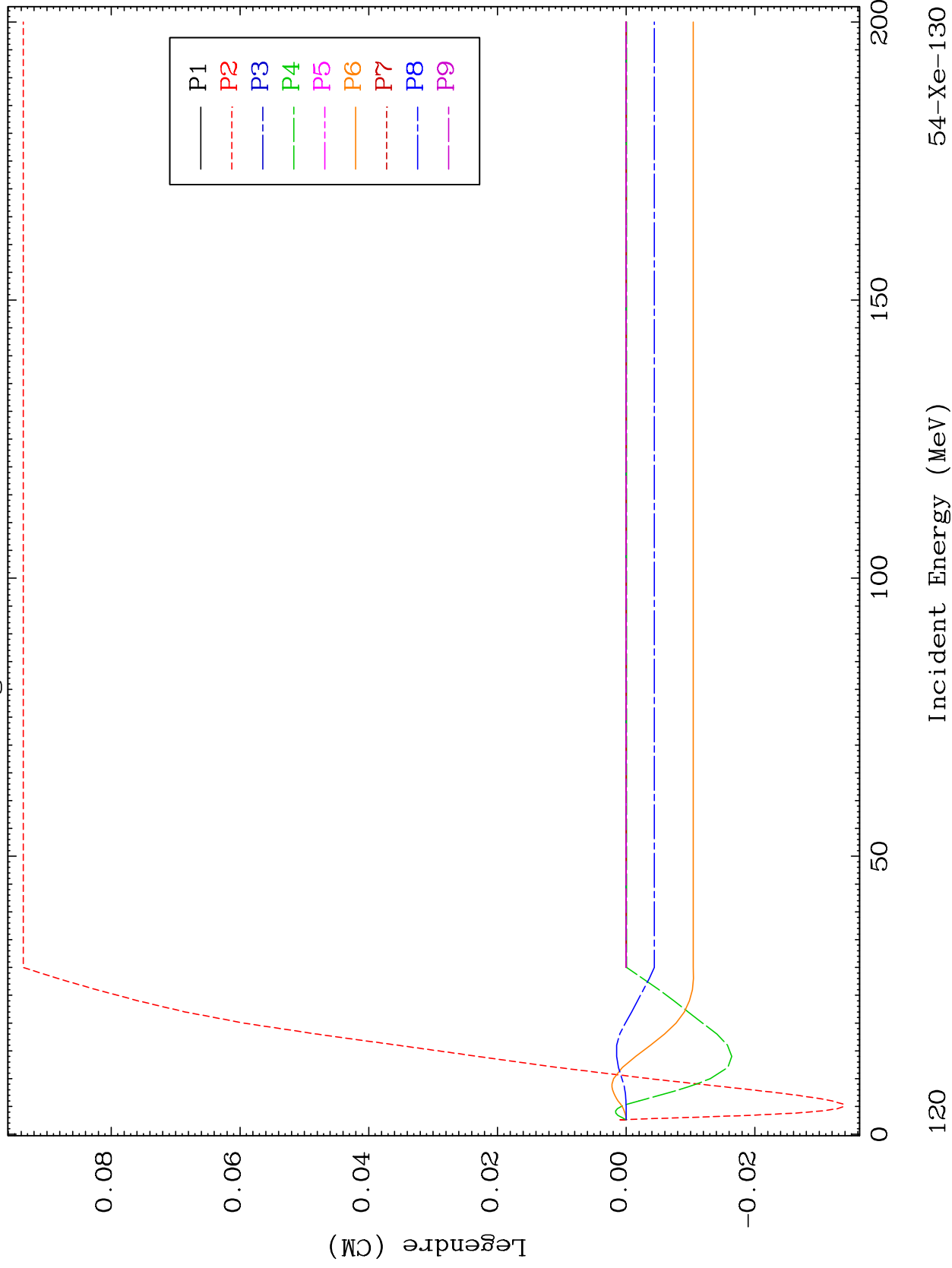
54-Xe-130



MAT 5443

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-130



54-Xe-130

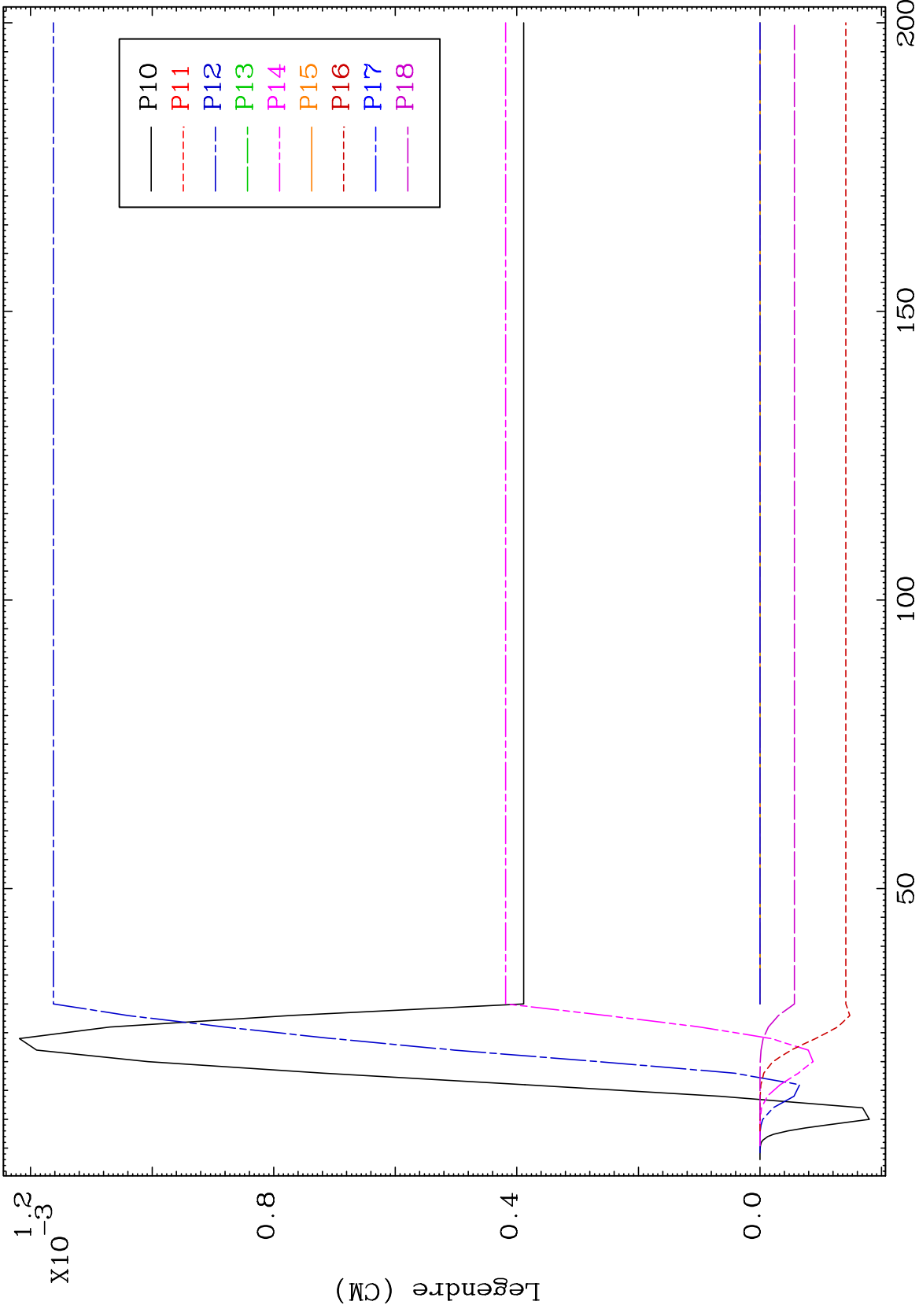
Incident Energy (MeV)

0

MAT 5443

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-130



121

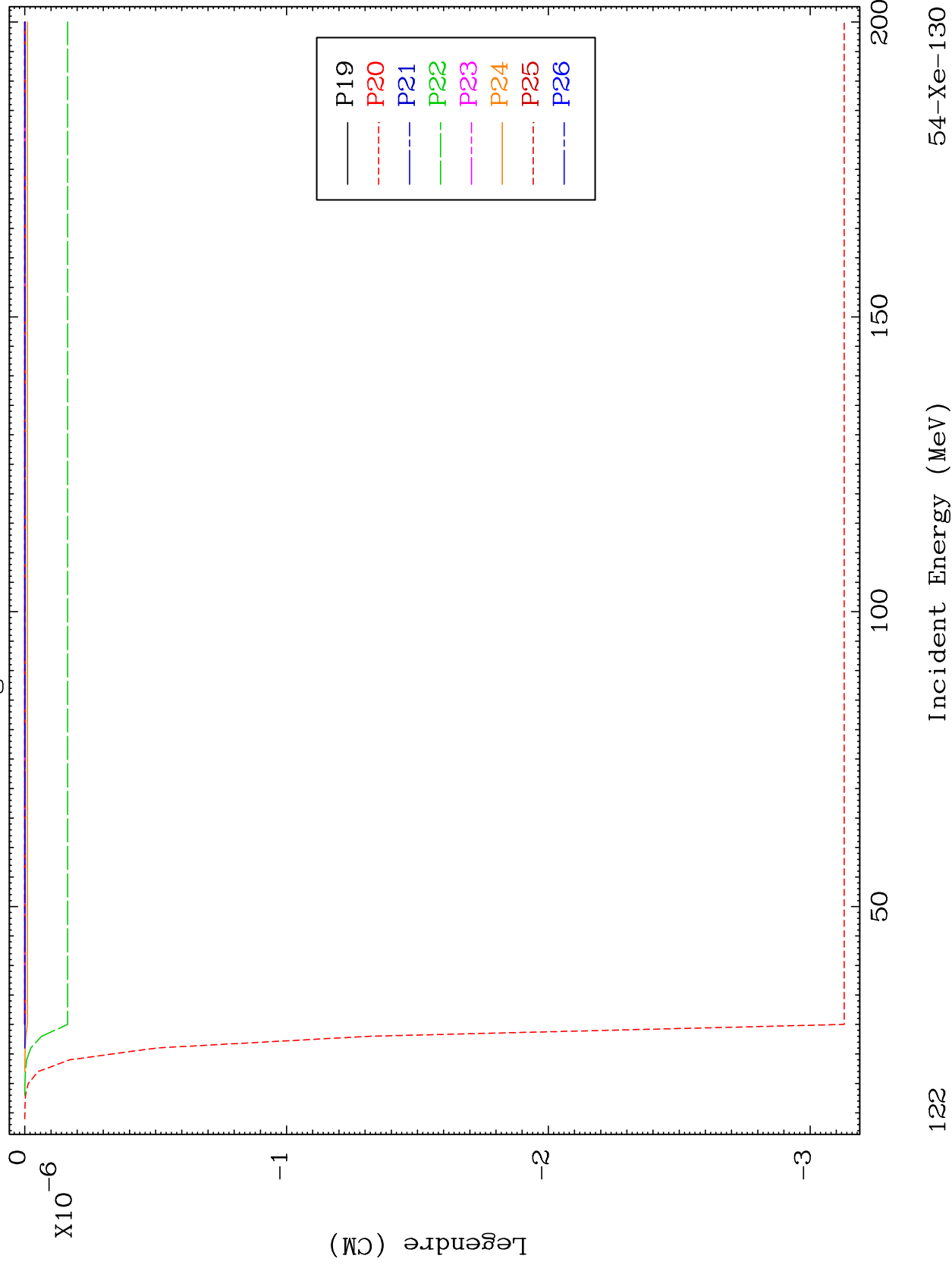
Incident Energy (MeV)

54-Xe-130

MAT 5443

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-130



122

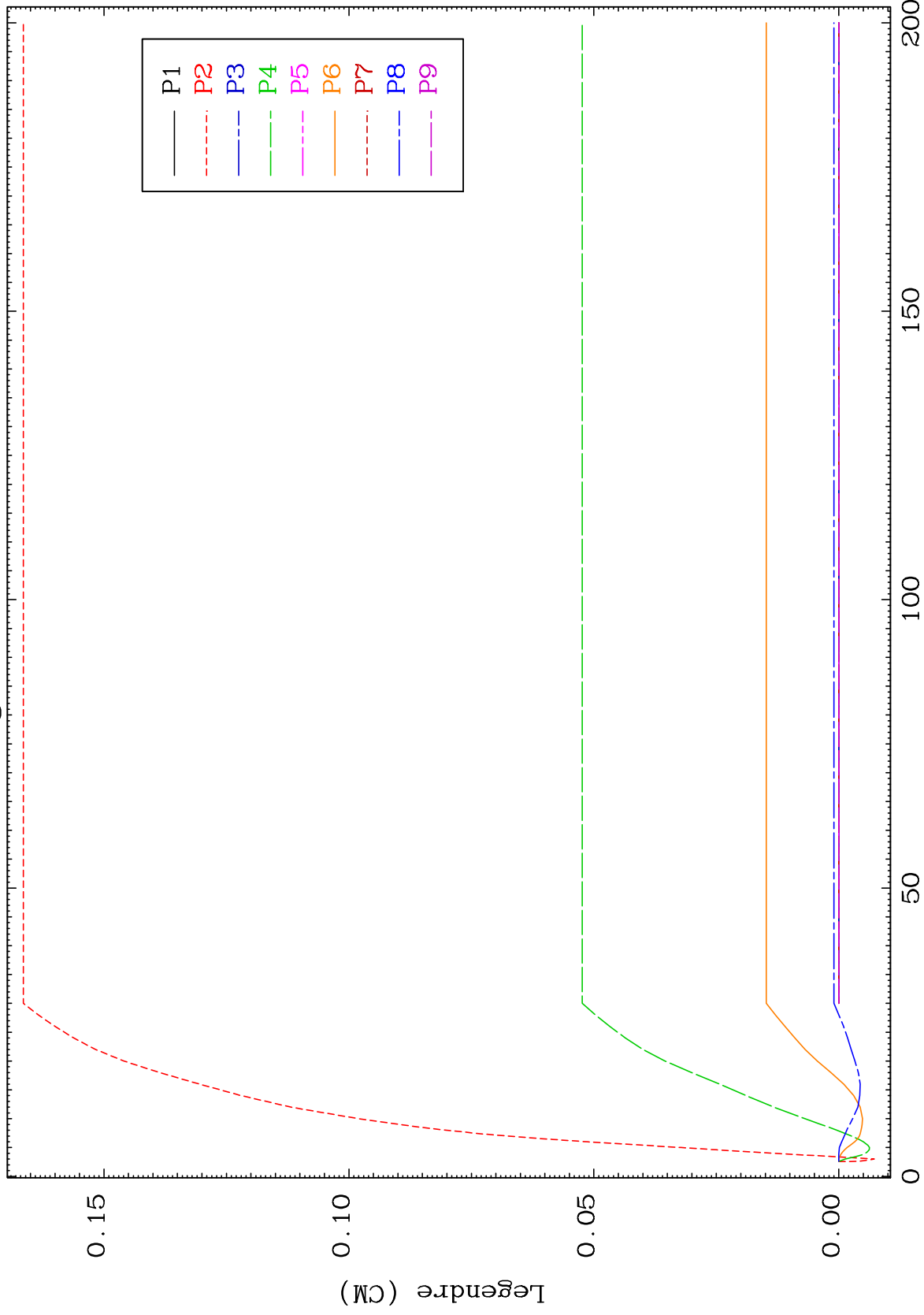
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

54-Xe-130



123

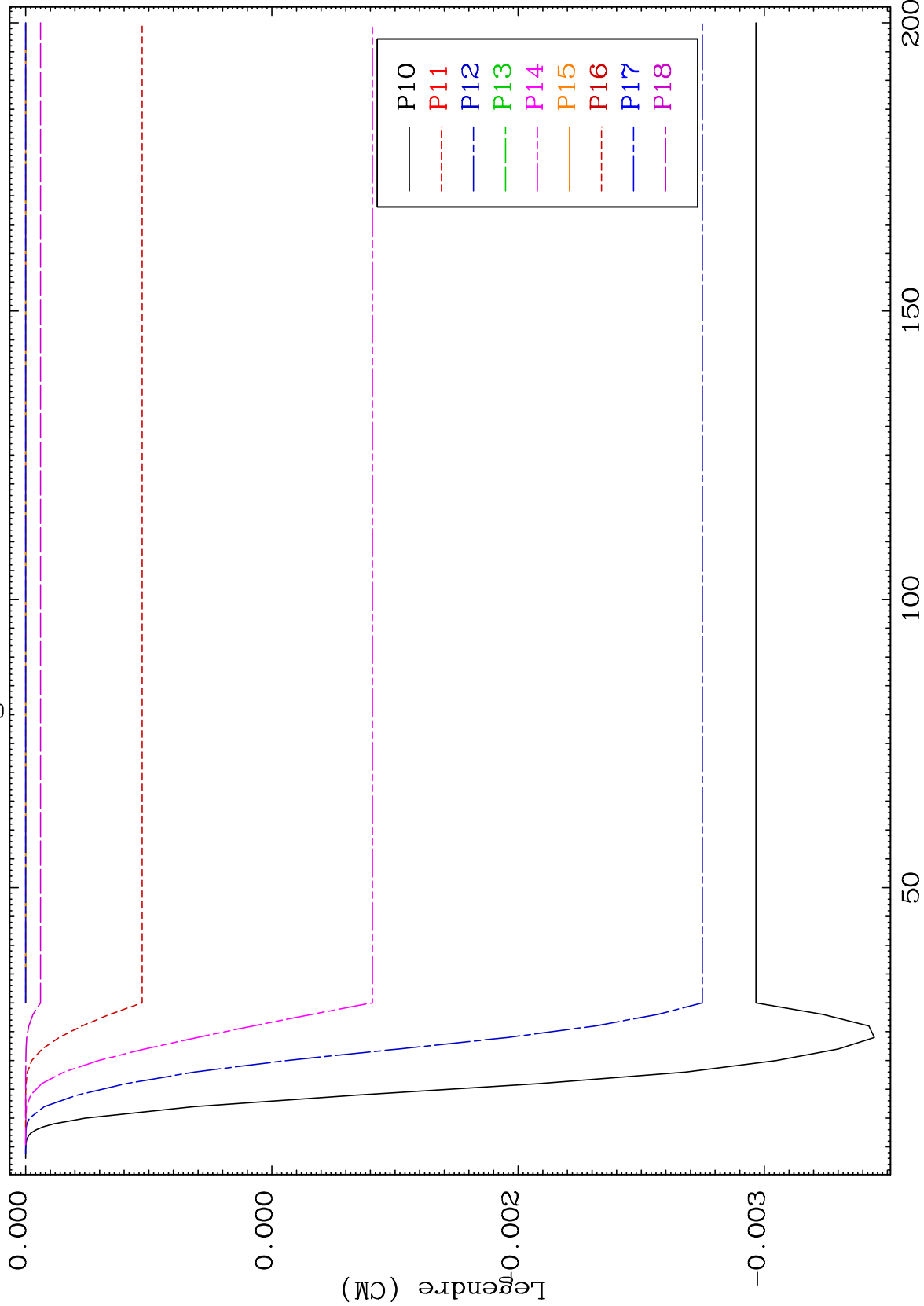
Incident Energy (MeV)

54-Xe-130

MAT 5443

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

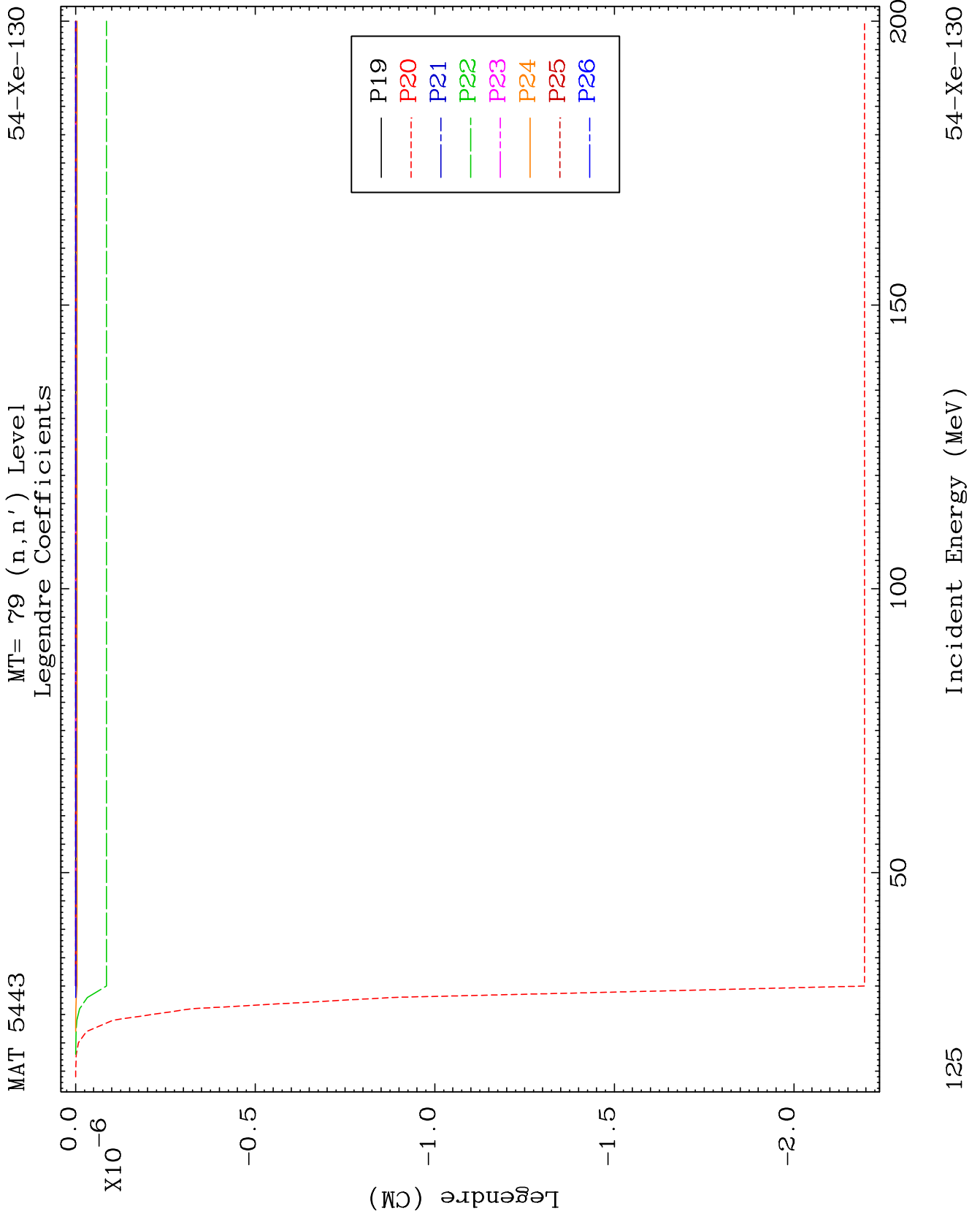
54-Xe-130

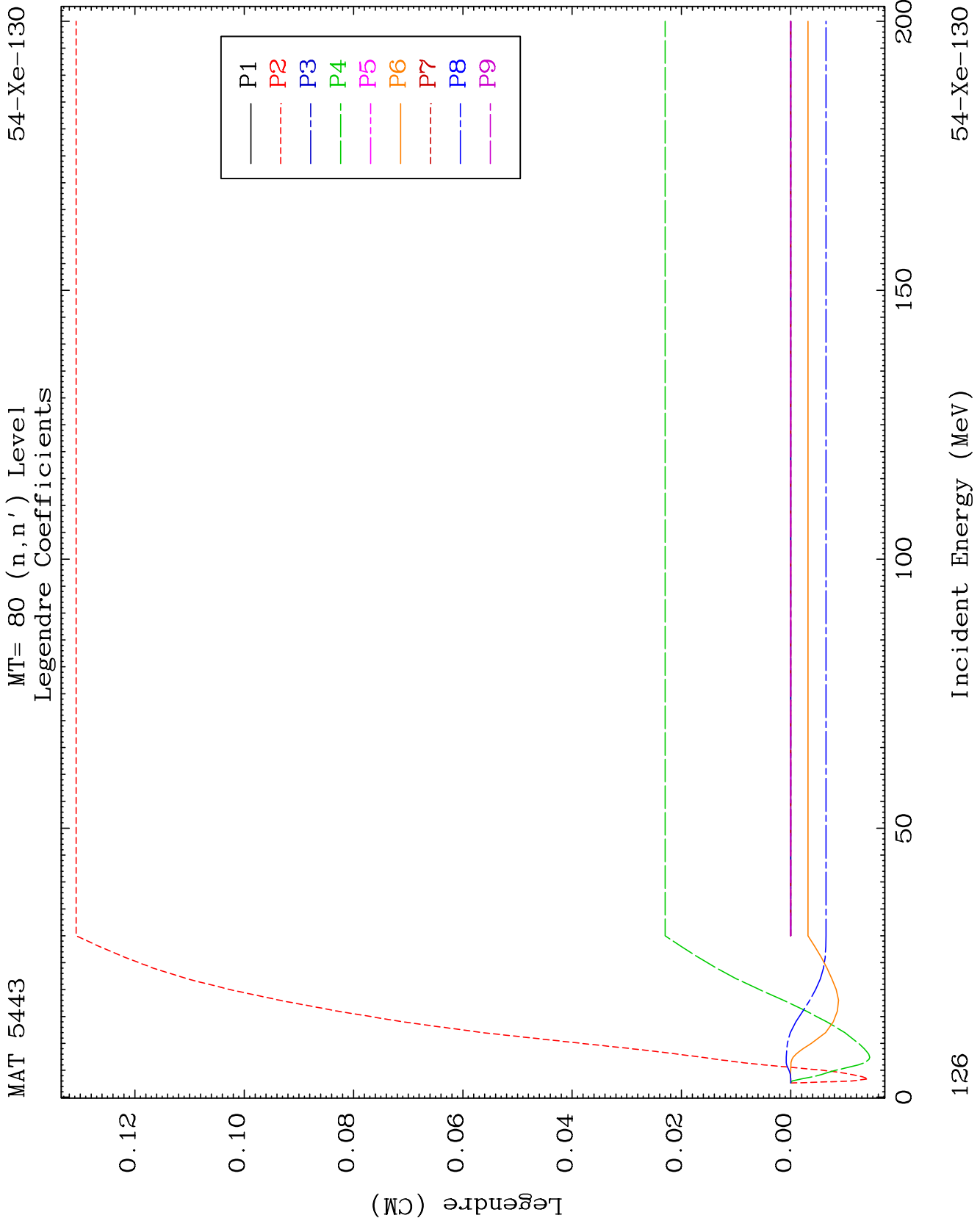


54-Xe-130

Incident Energy (MeV)

124

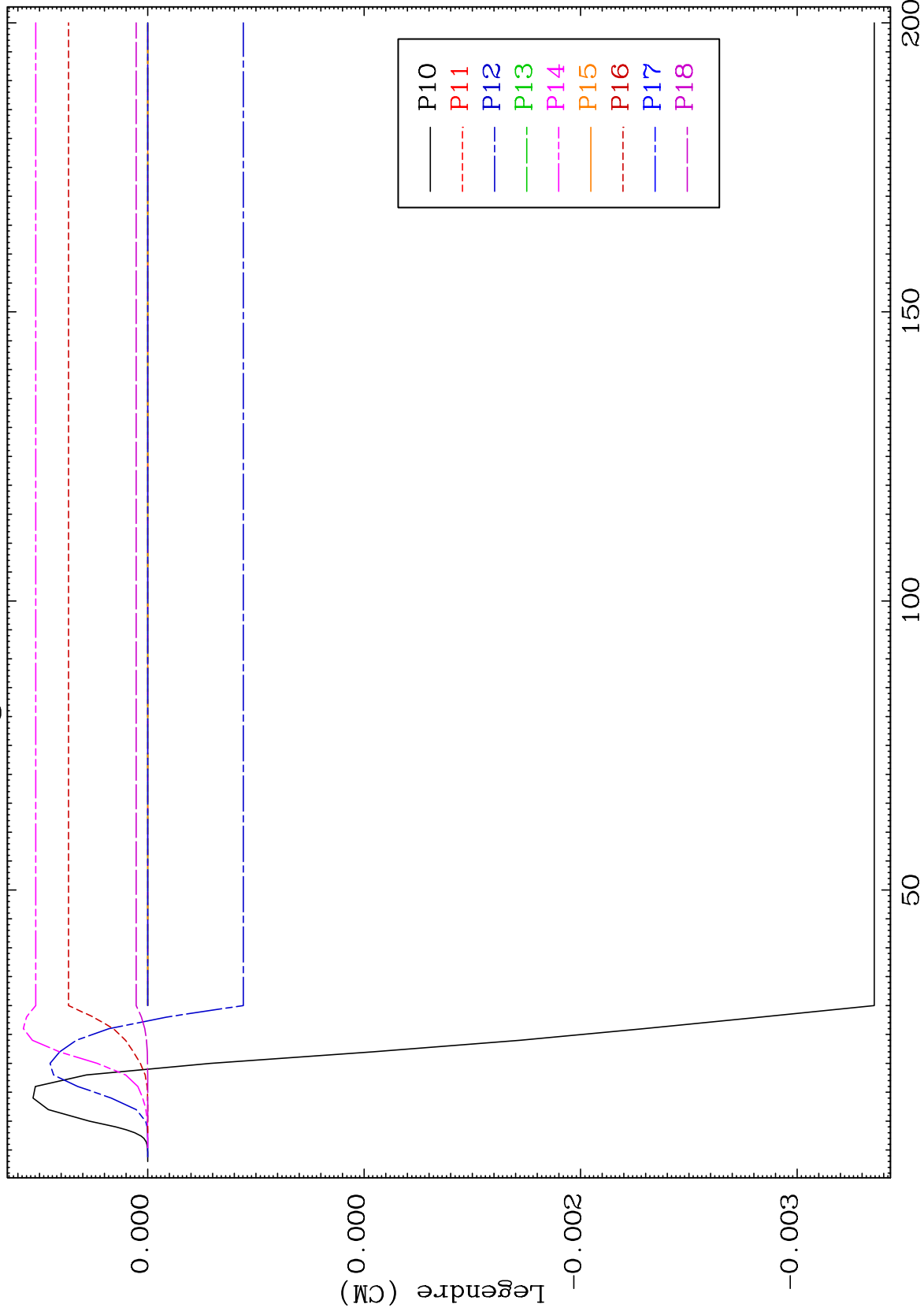




MAT 5443

MT= 80 (n,n') Level
Legendre Coefficients

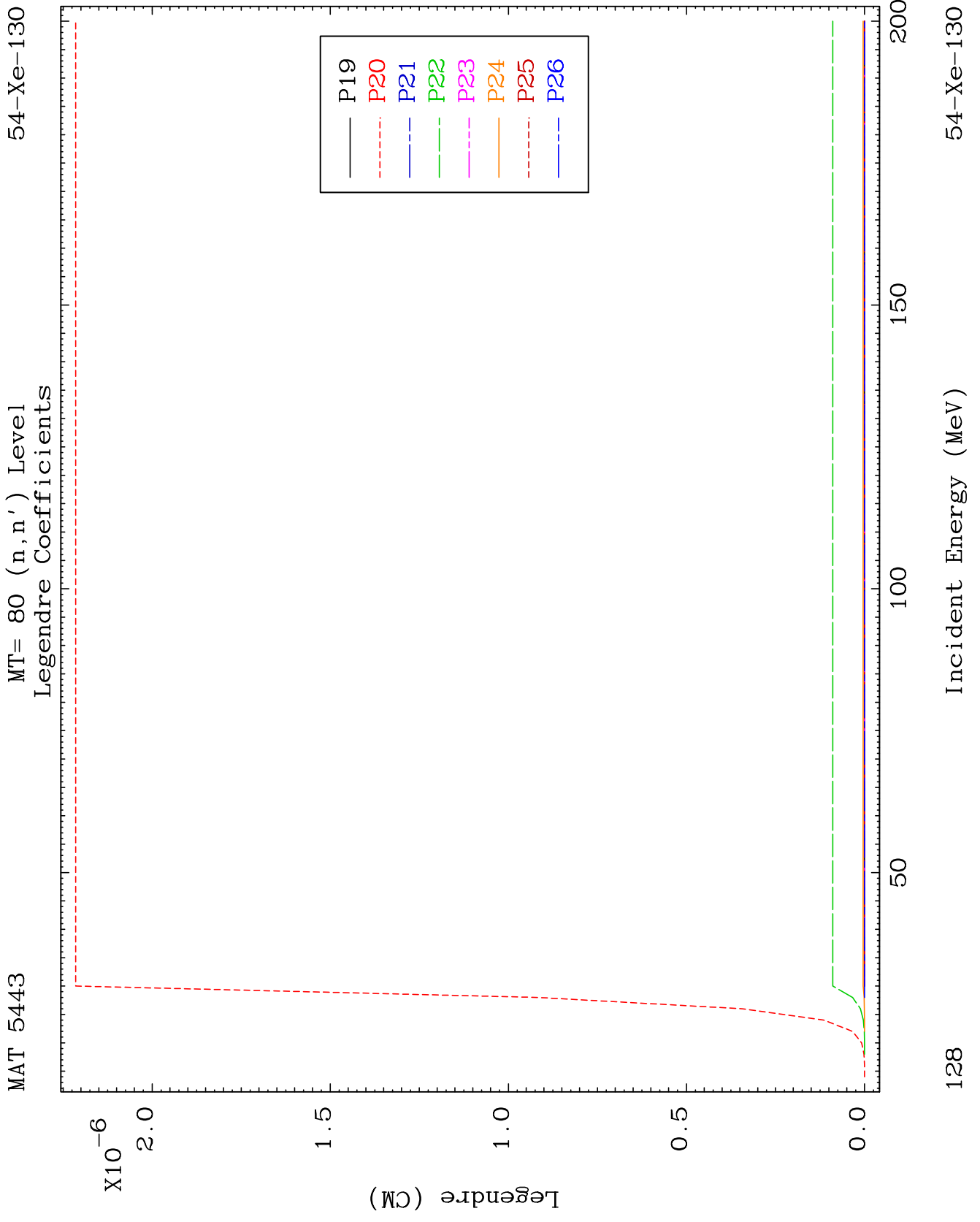
54-Xe-130



127

Incident Energy (MeV)

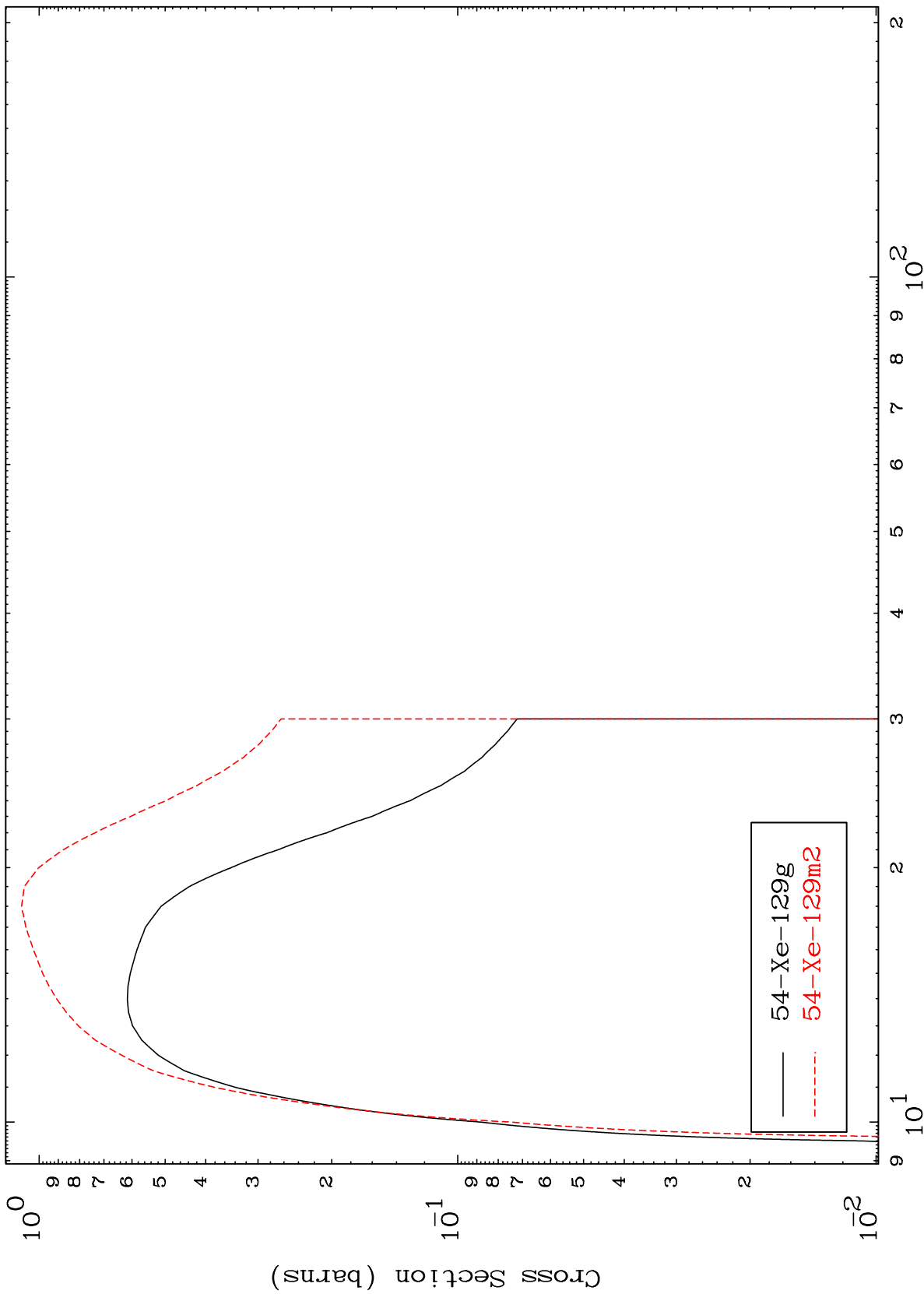
54-Xe-130



MAT 5443

54-Xe-130

(n,2n)
Radionuclide Production Cross Section



54-Xe-129g
54-Xe-129m2

54-Xe-130

Incident Energy (MeV)

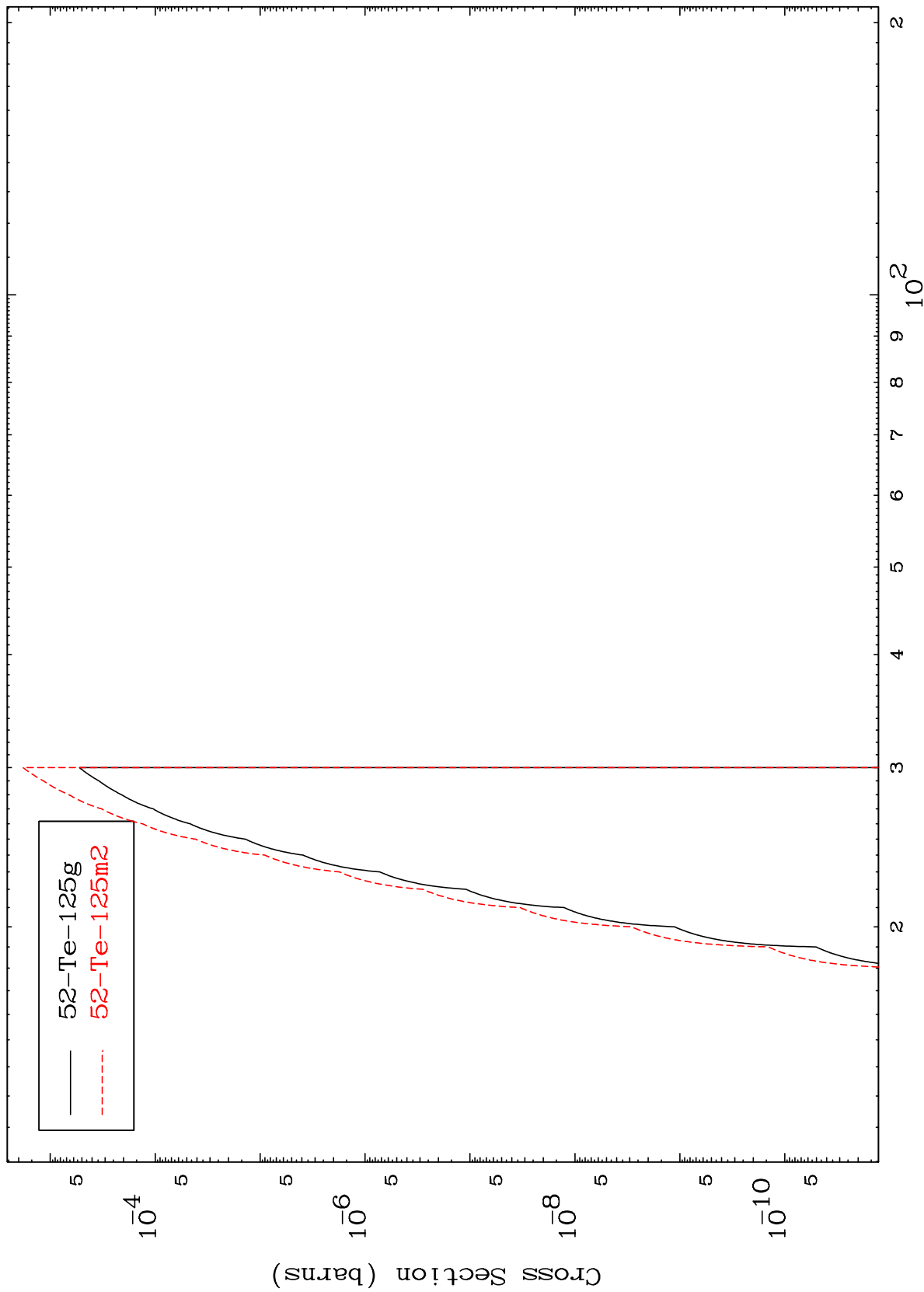
129

MAT 5443

(n,2n) α

54-Xe-130

Radionuclide Production Cross Section



130

Incident Energy (MeV)

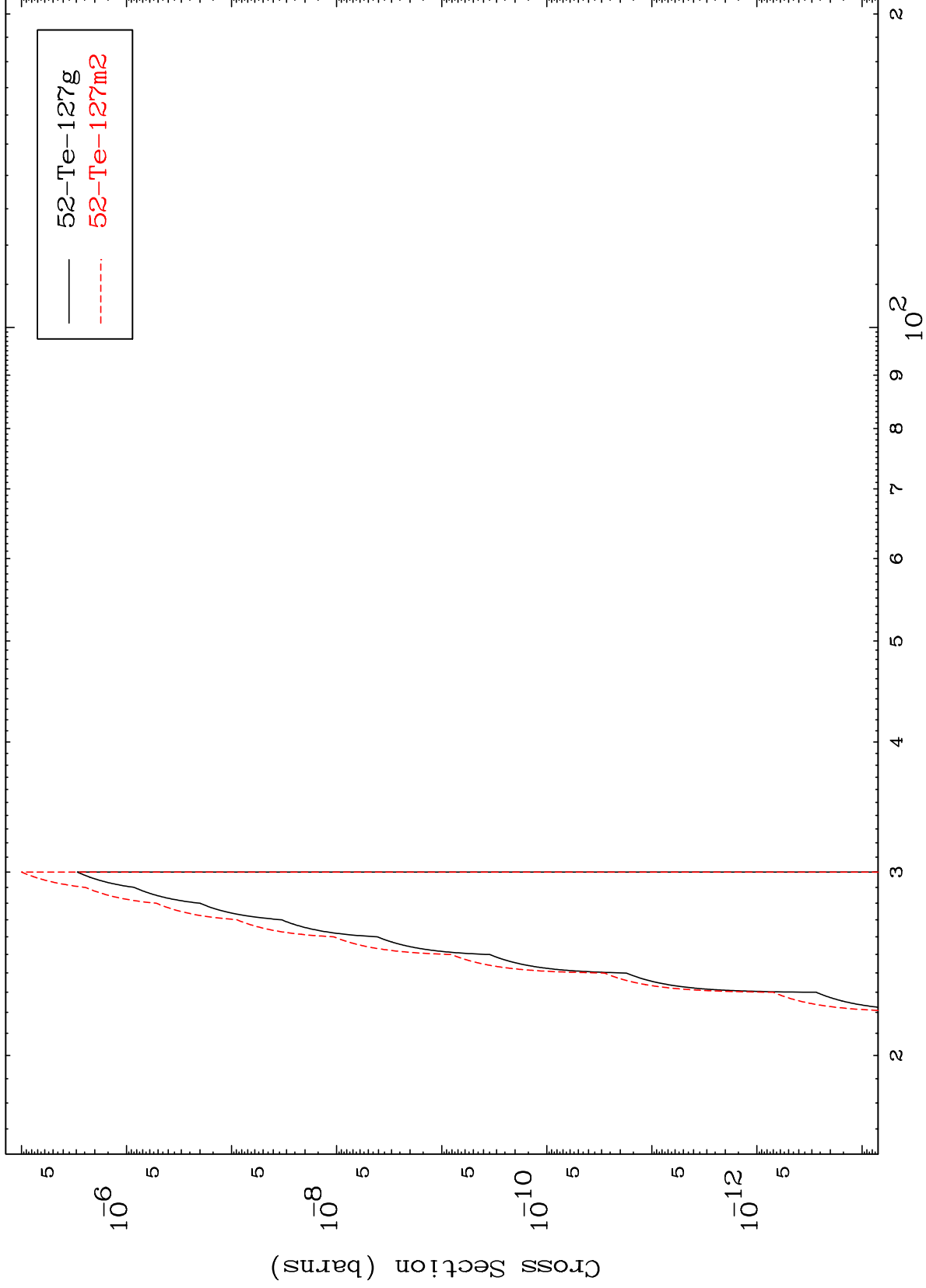
54-Xe-130

MAT 5443

(n,n') He-3

54-Xe-130

Radionuclide Production Cross Section



131

Incident Energy (MeV)

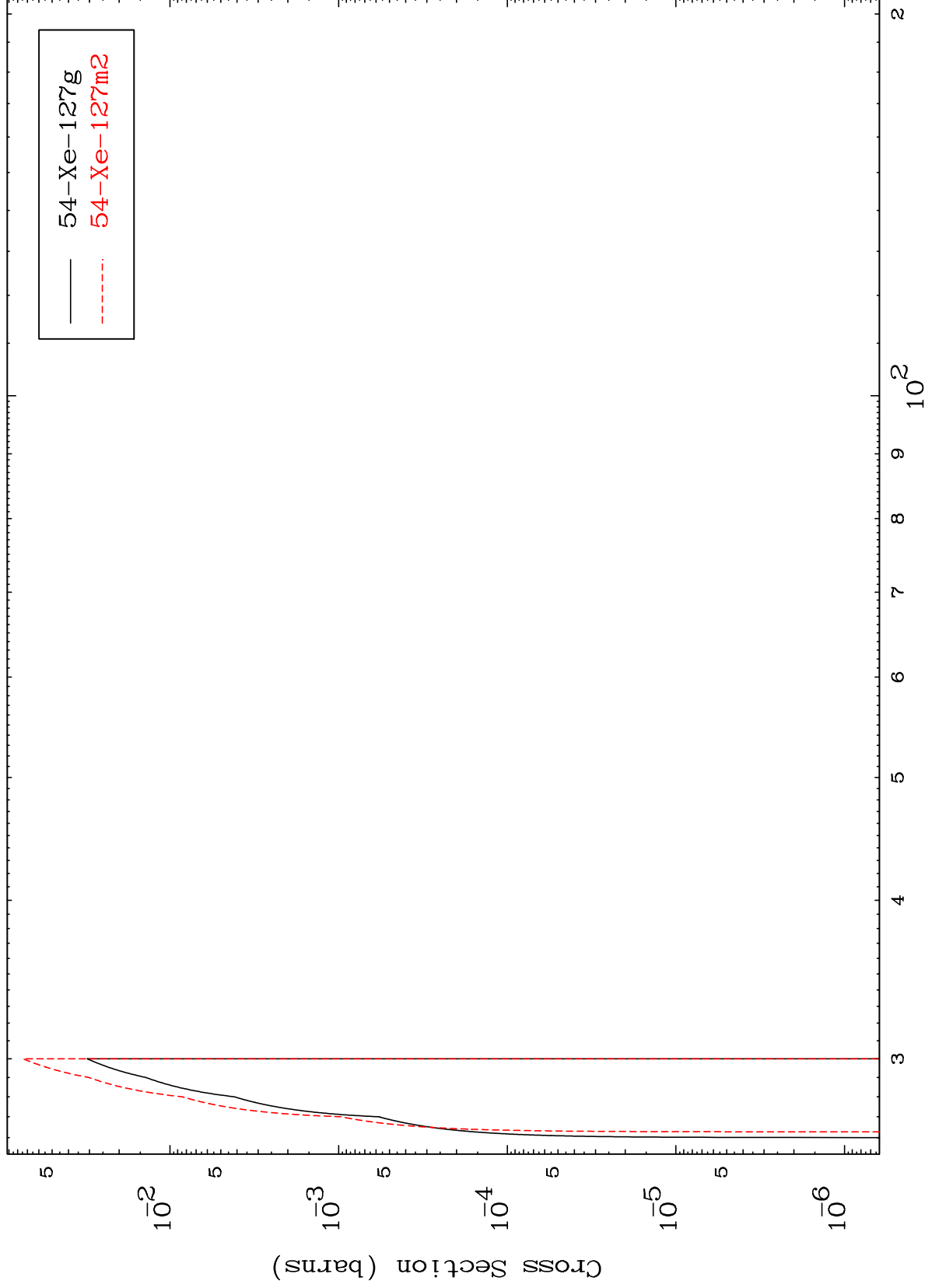
54-Xe-130

MAT 5443

(n,4n)

54-Xe-130

Radionuclide Production Cross Section



132

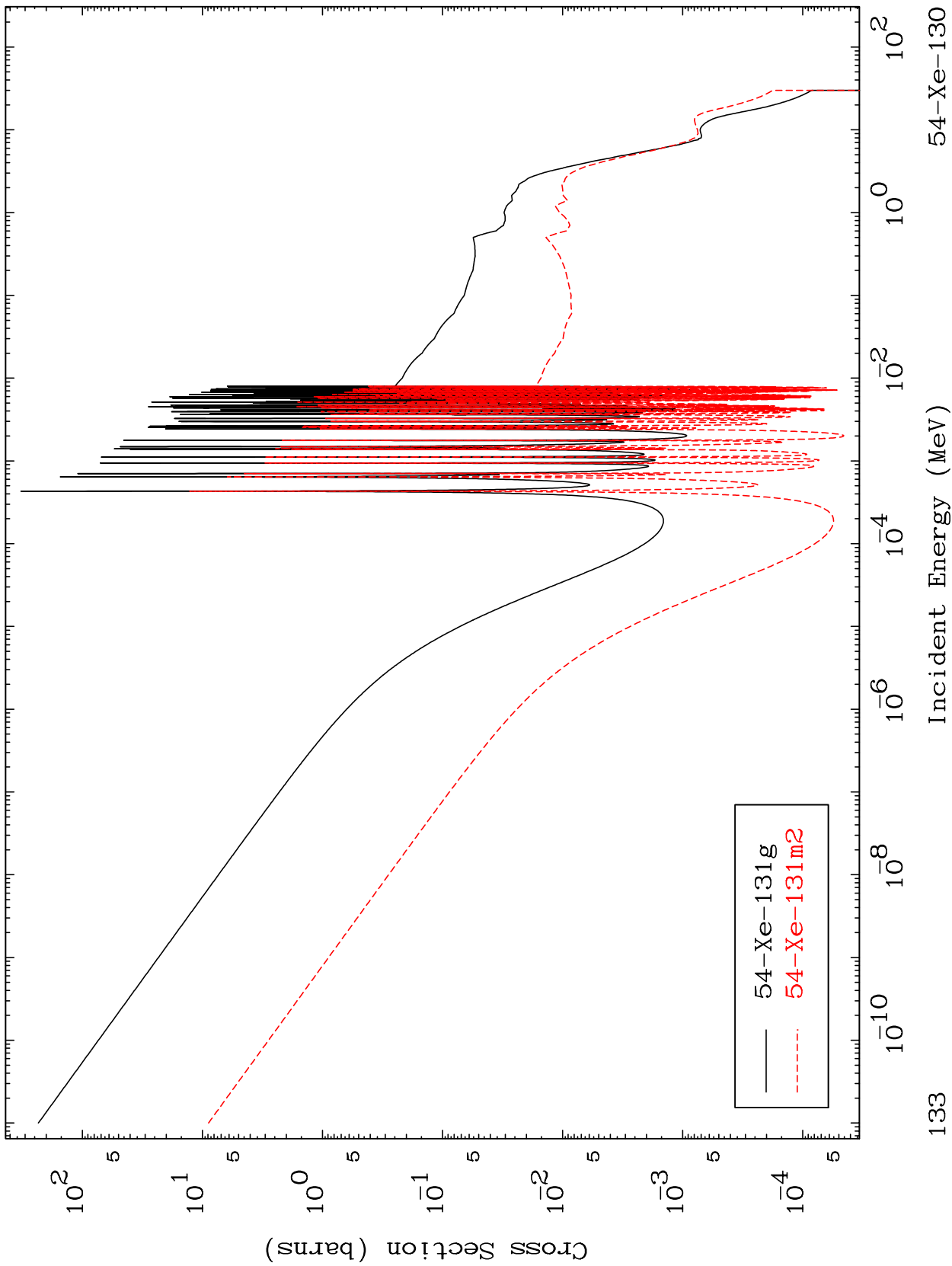
Incident Energy (MeV)

54-Xe-130

MAT 5443

54-Xe-130

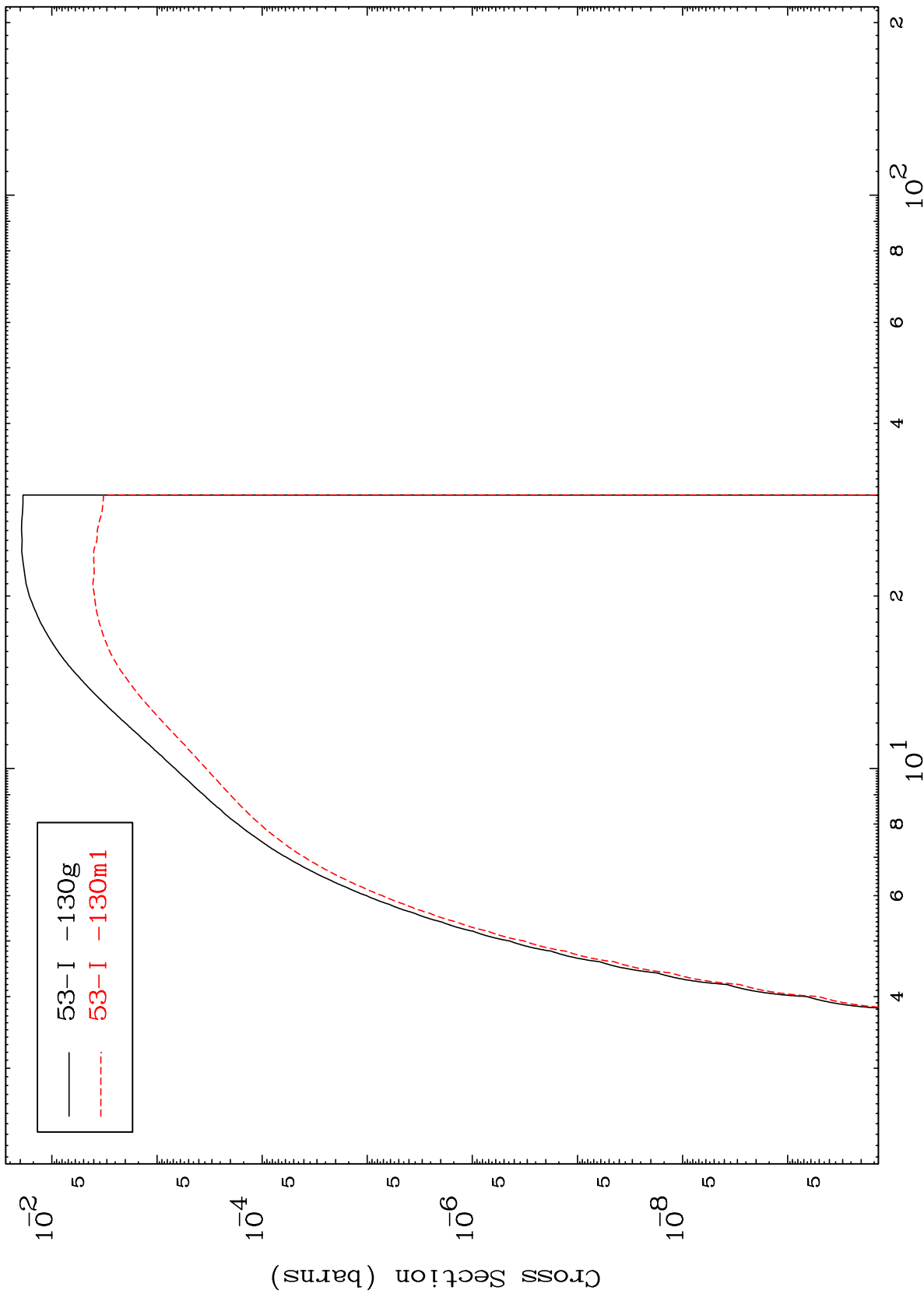
(n, γ)
Radionuclide Production Cross Section



MAT 5443

54-Xe-130

(n,p)
Radionuclide Production Cross Section



134

54-Xe-130

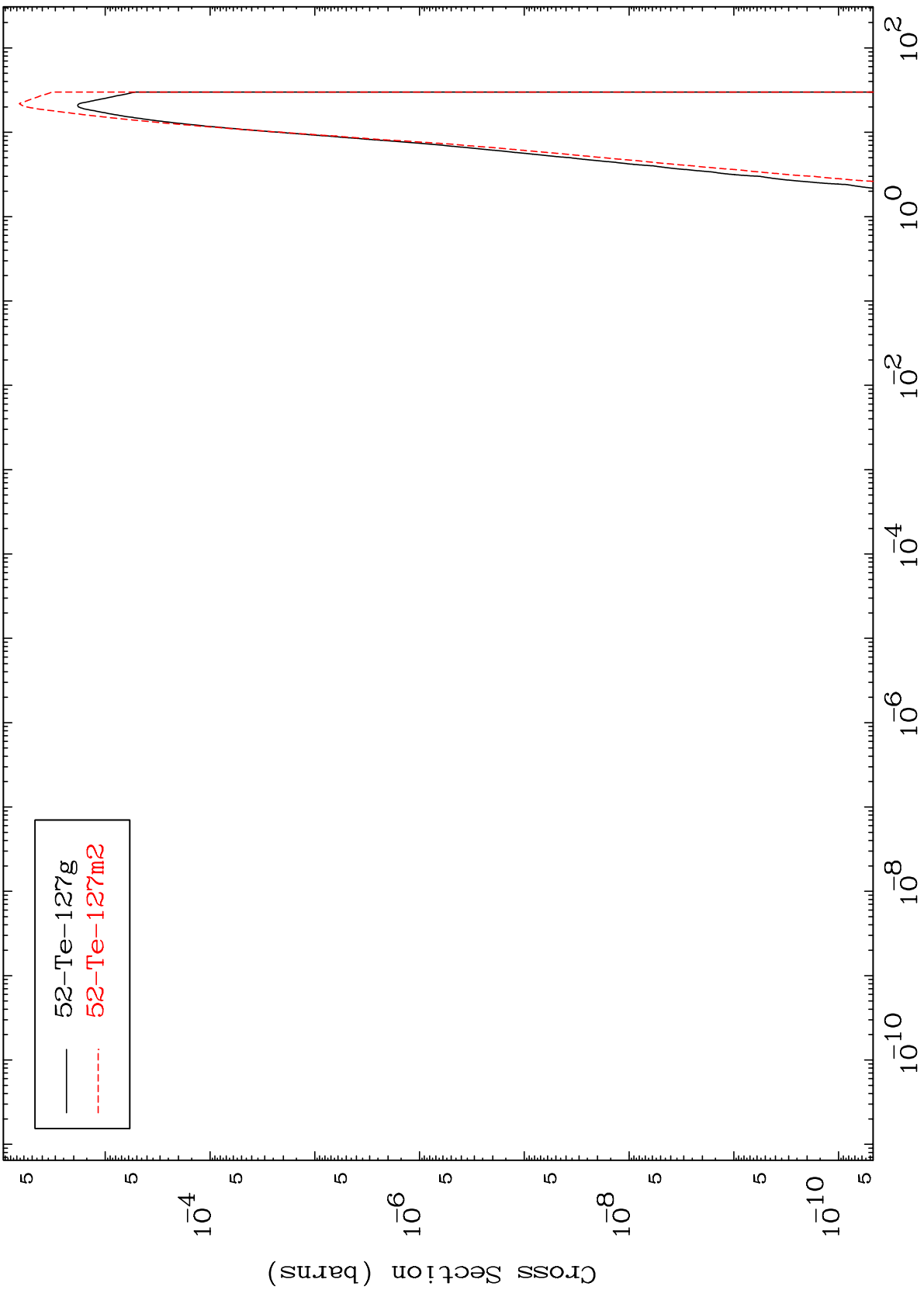
Incident Energy (MeV)

MAT 5443

(n, α)

54-Xe-130

Radionuclide Production Cross Section

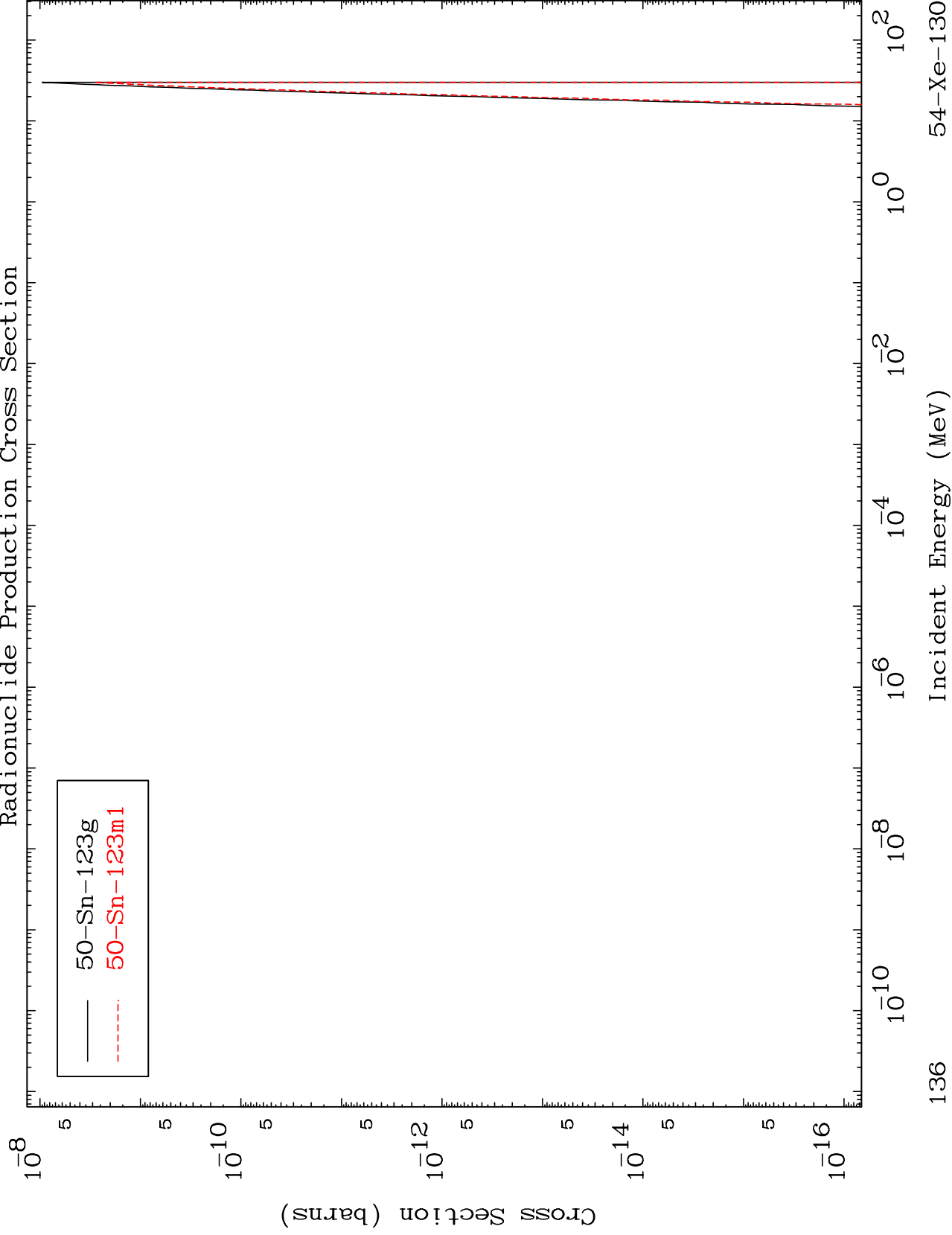


MAT 5443

(n,2α)

54-Xe-130

Radionuclide Production Cross Section

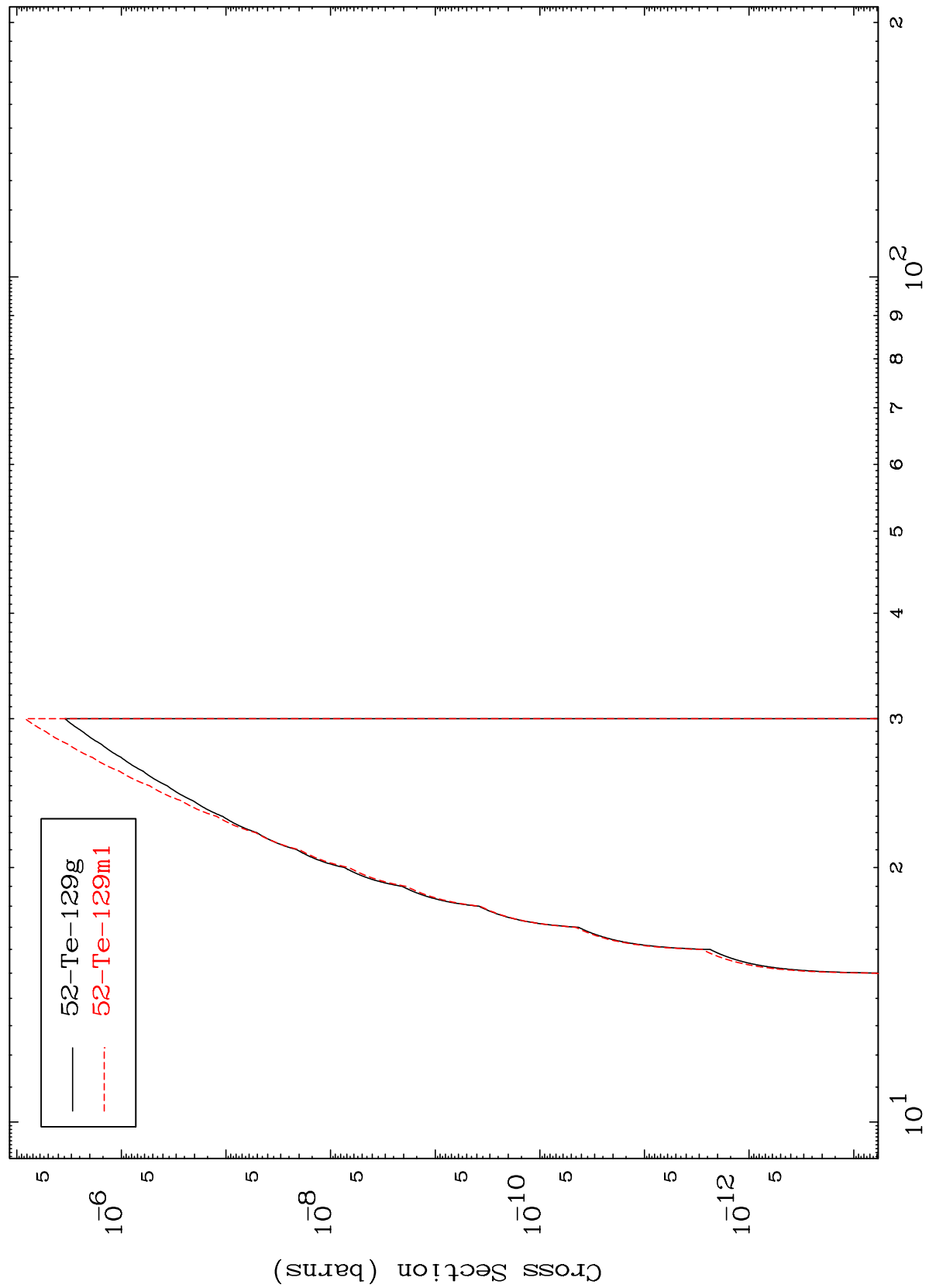


50-Sn-123g
50-Sn-123m1

MAT 5443

54-Xe-130

(n,2p)
Radionuclide Production Cross Section



— 52-Te-129g
- - - 52-Te-129m1

54-Xe-130

Incident Energy (MeV)

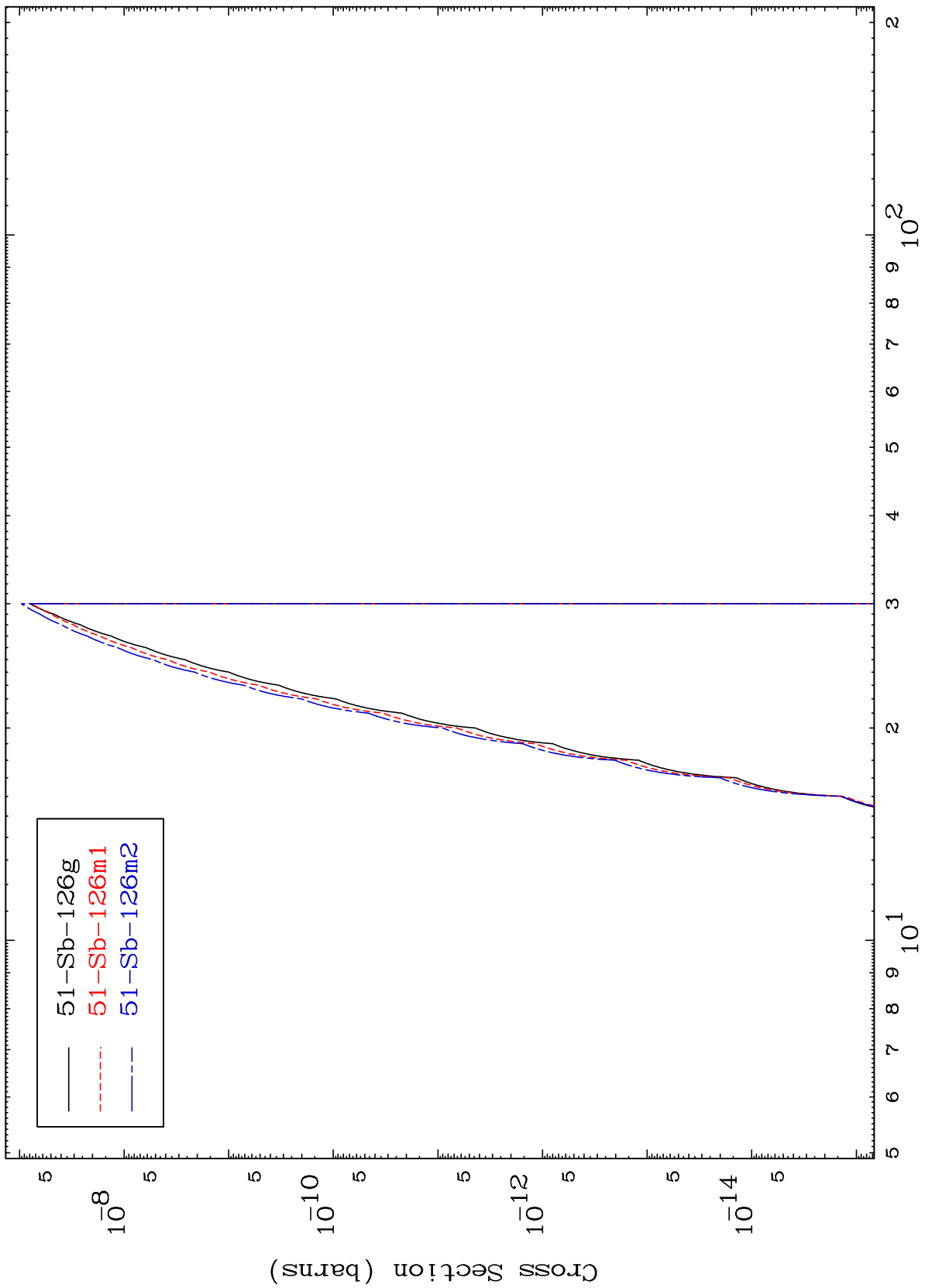
137

MAT 5443

(n,p) α

54-Xe-130

Radionuclide Production Cross Section



138

Incident Energy (MeV)

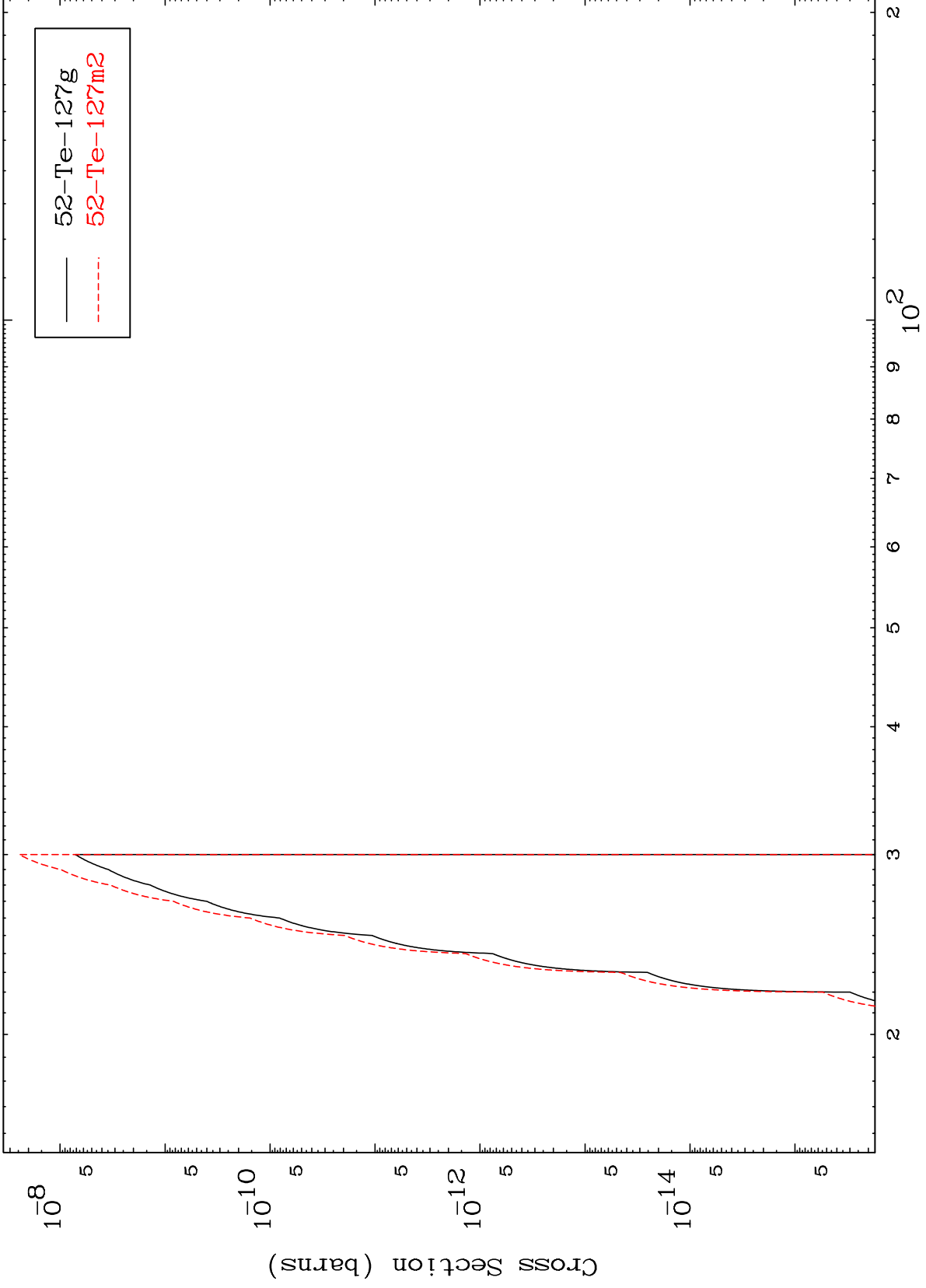
54-Xe-130

MAT 5443

(n,p) t

54-Xe-130

Radionuclide Production Cross Section



139

Incident Energy (MeV)

54-Xe-130