

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

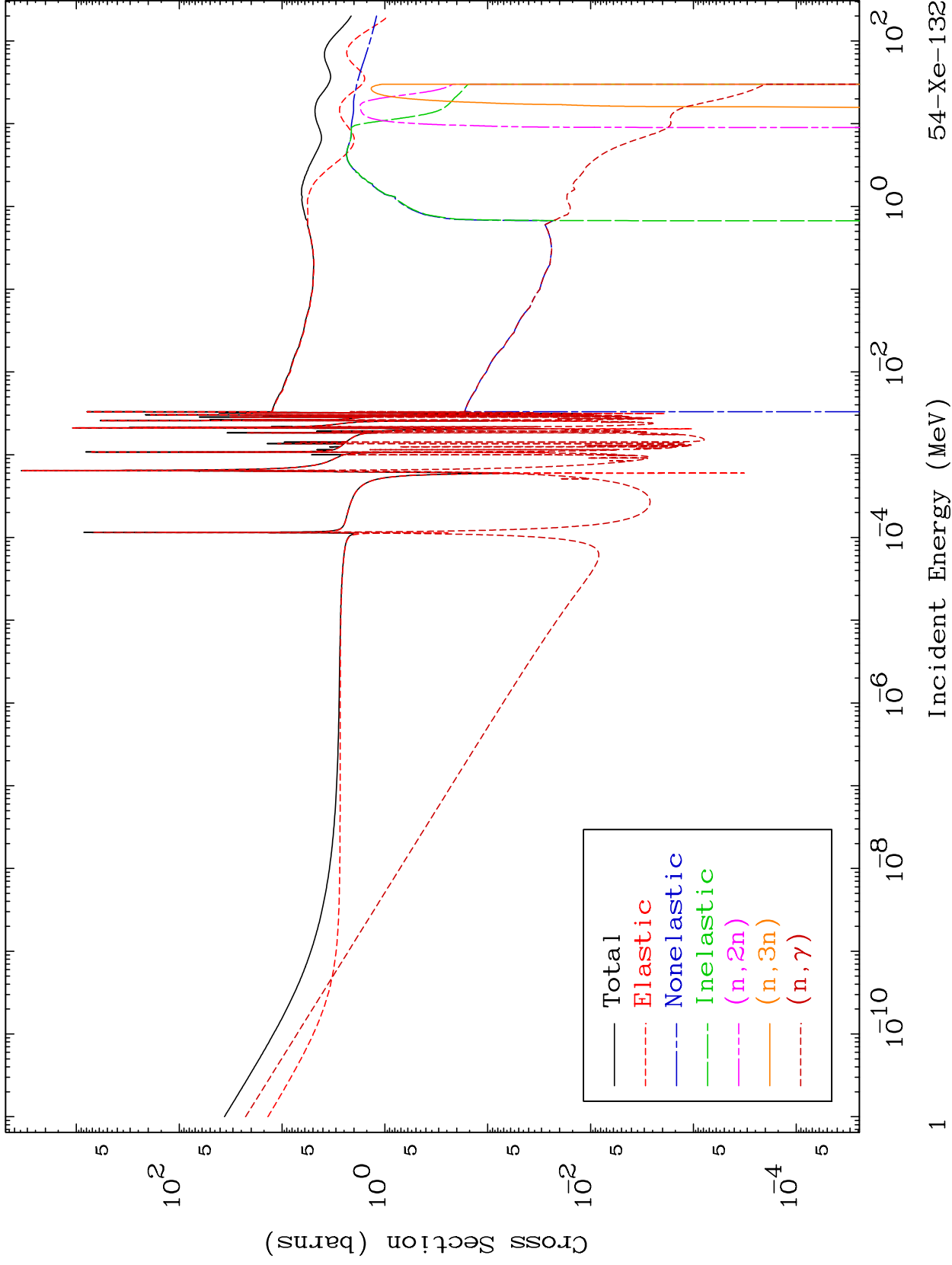
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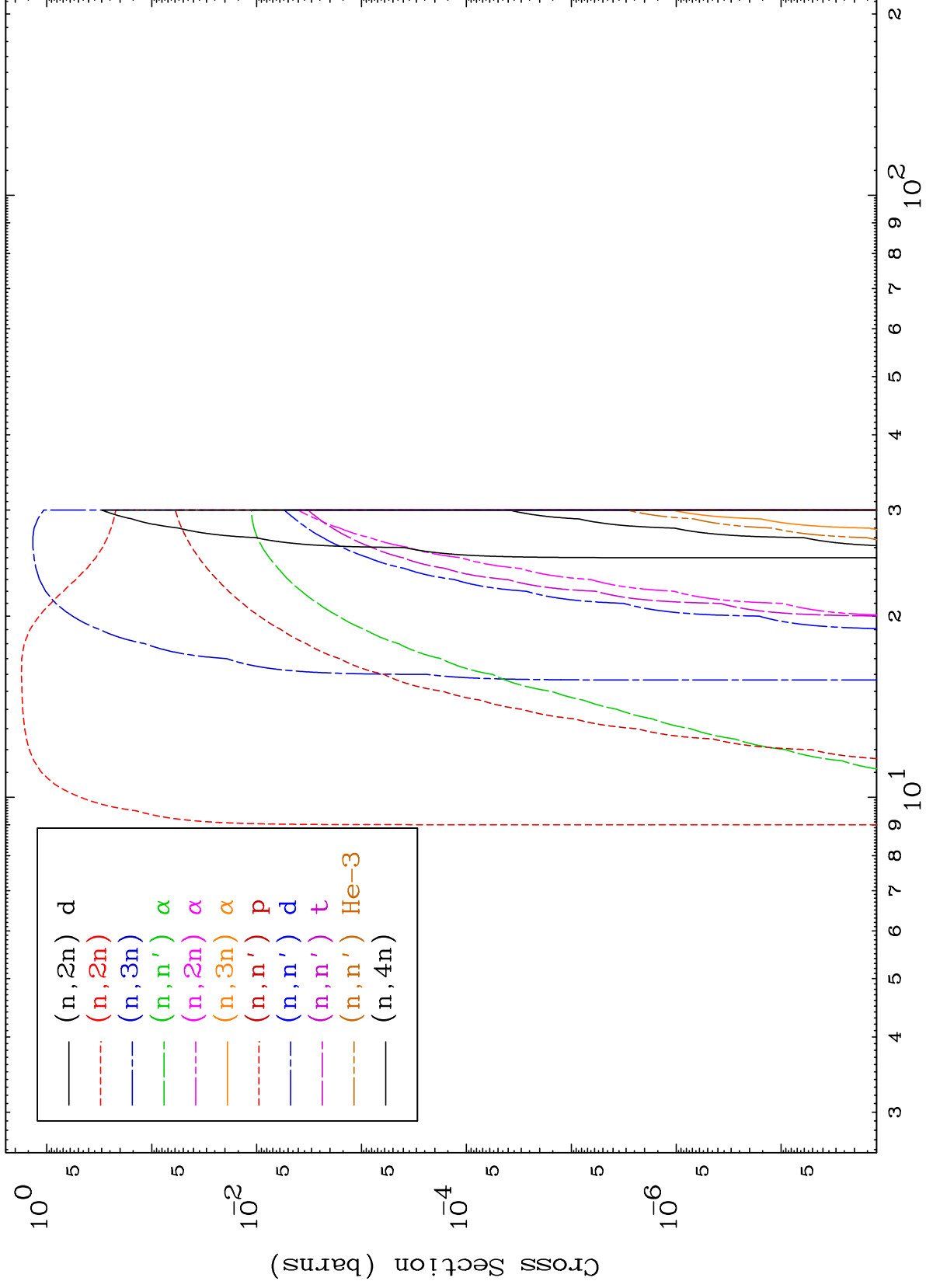
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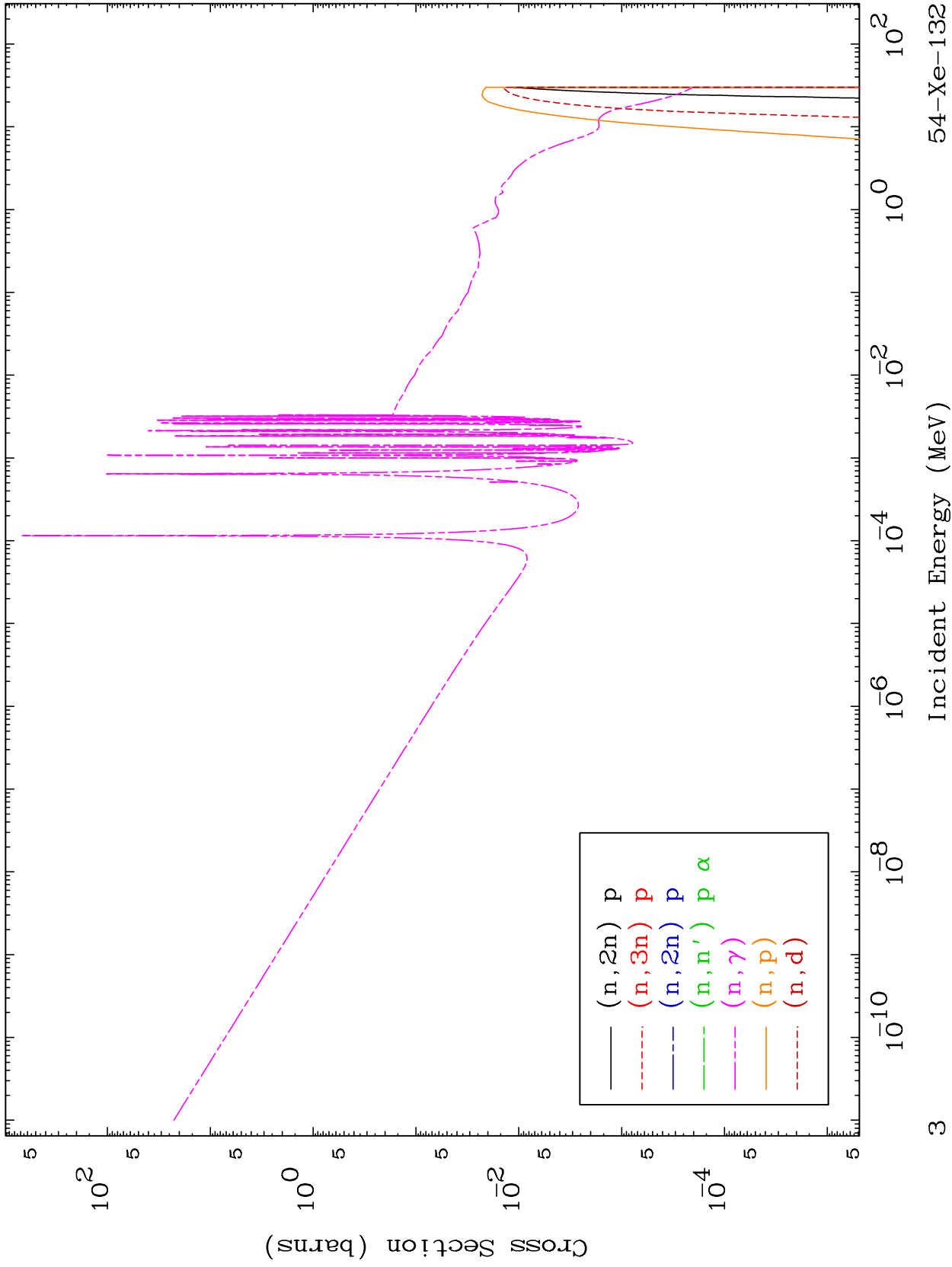
MAT 5449

Neutron Major
293 Kelvin Cross Sections

54-Xe-132



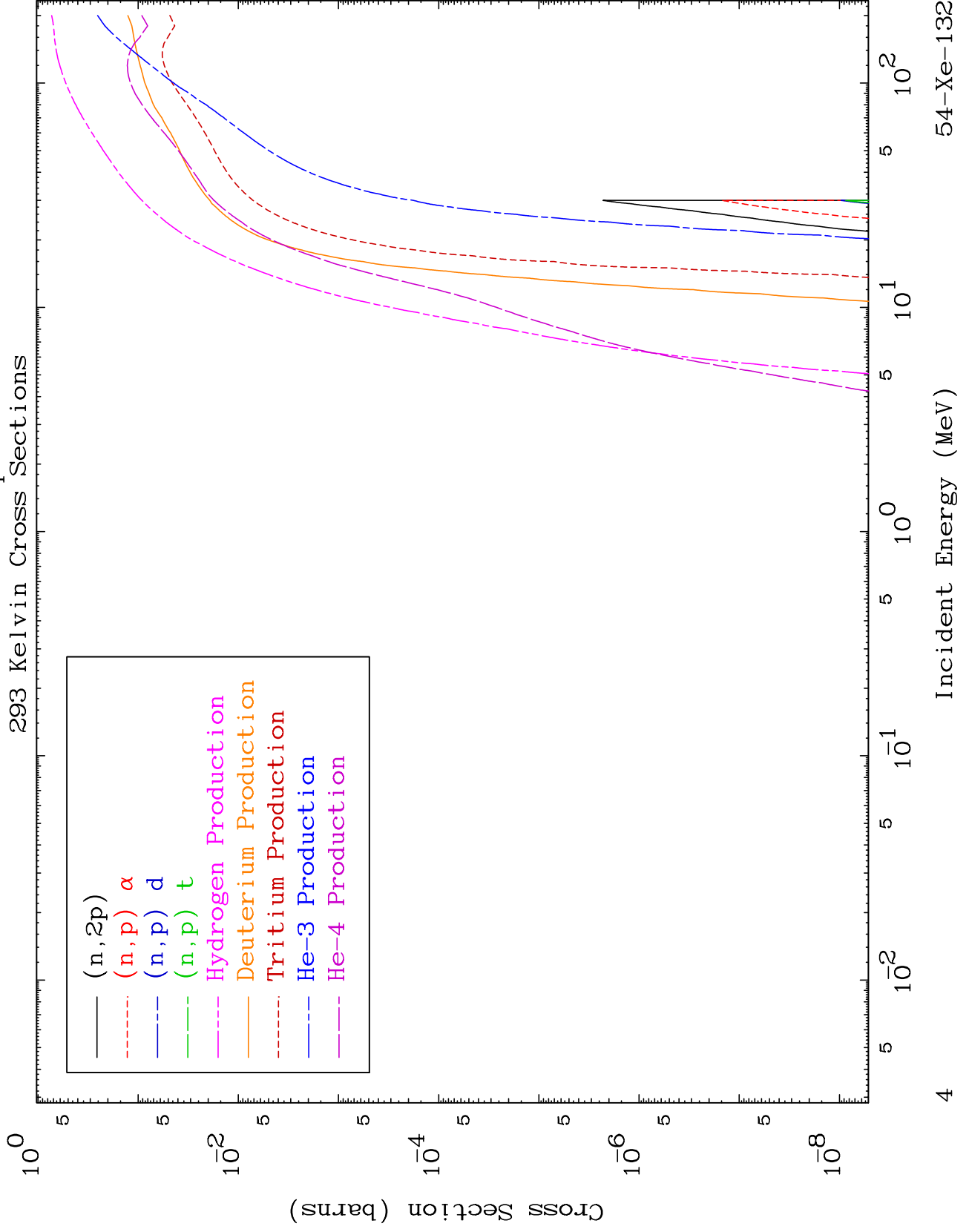


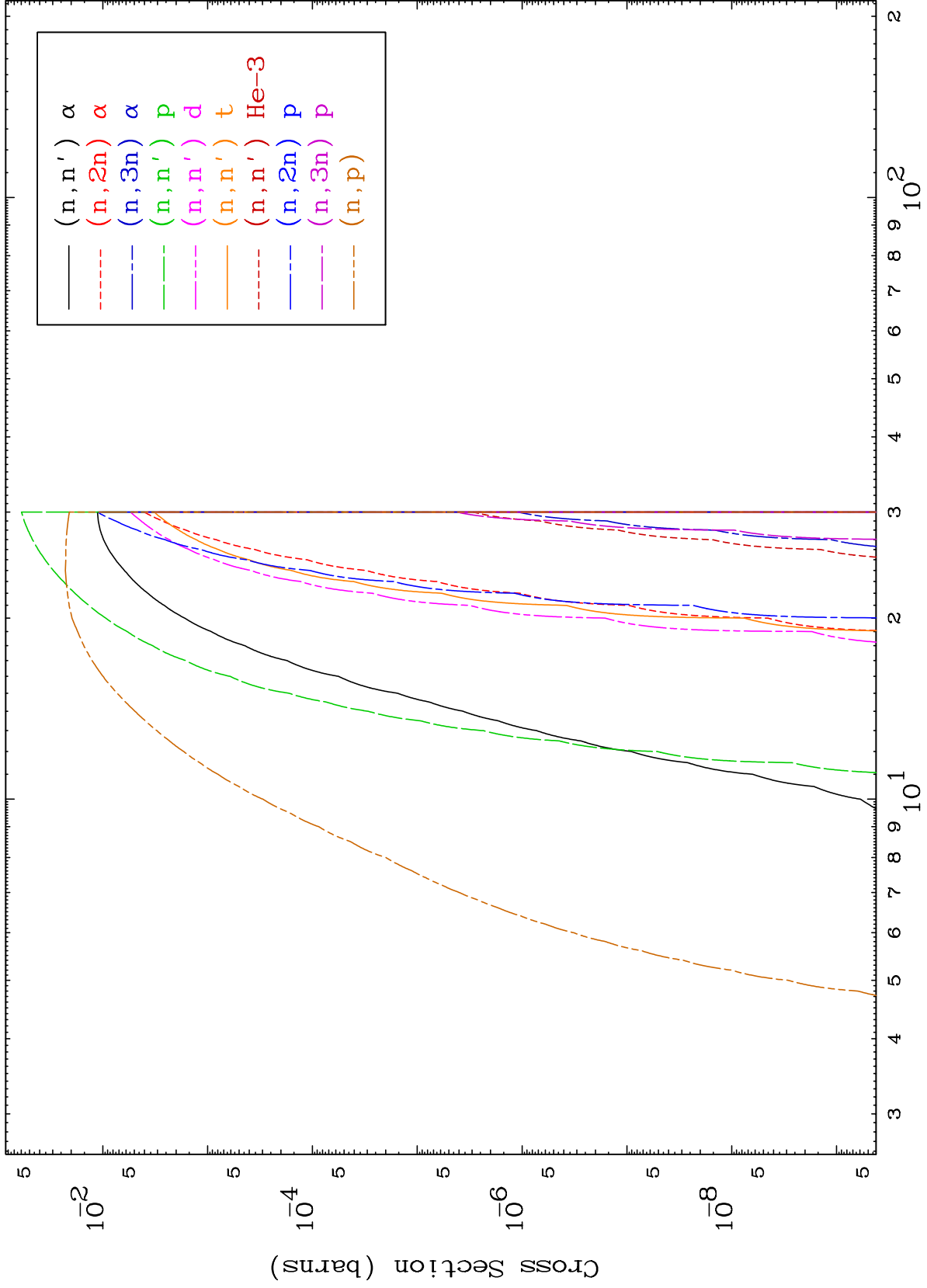


MAT 5449

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-132

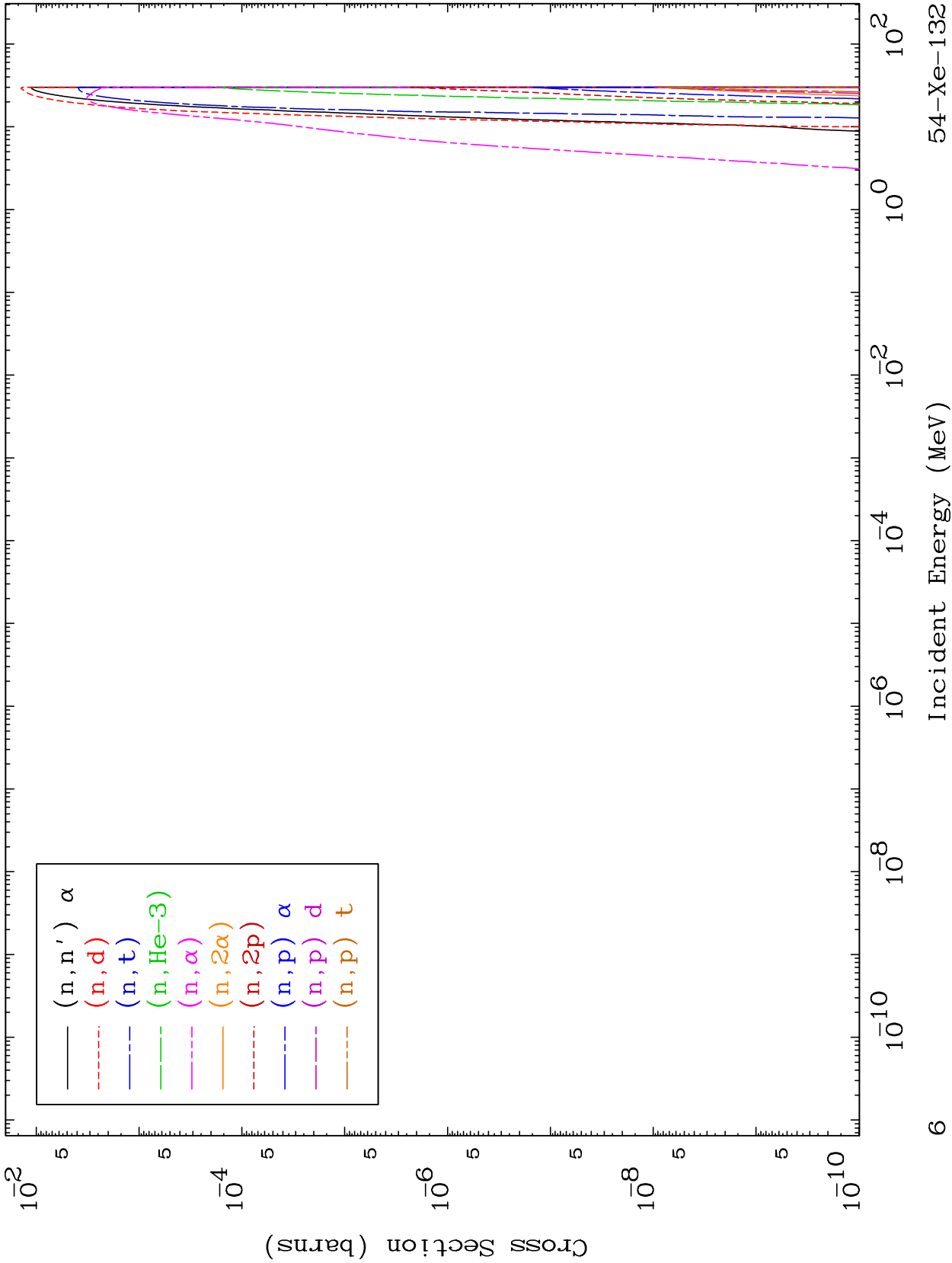




MAT 5449

Charged Particle
293 Kelvin Cross Sections

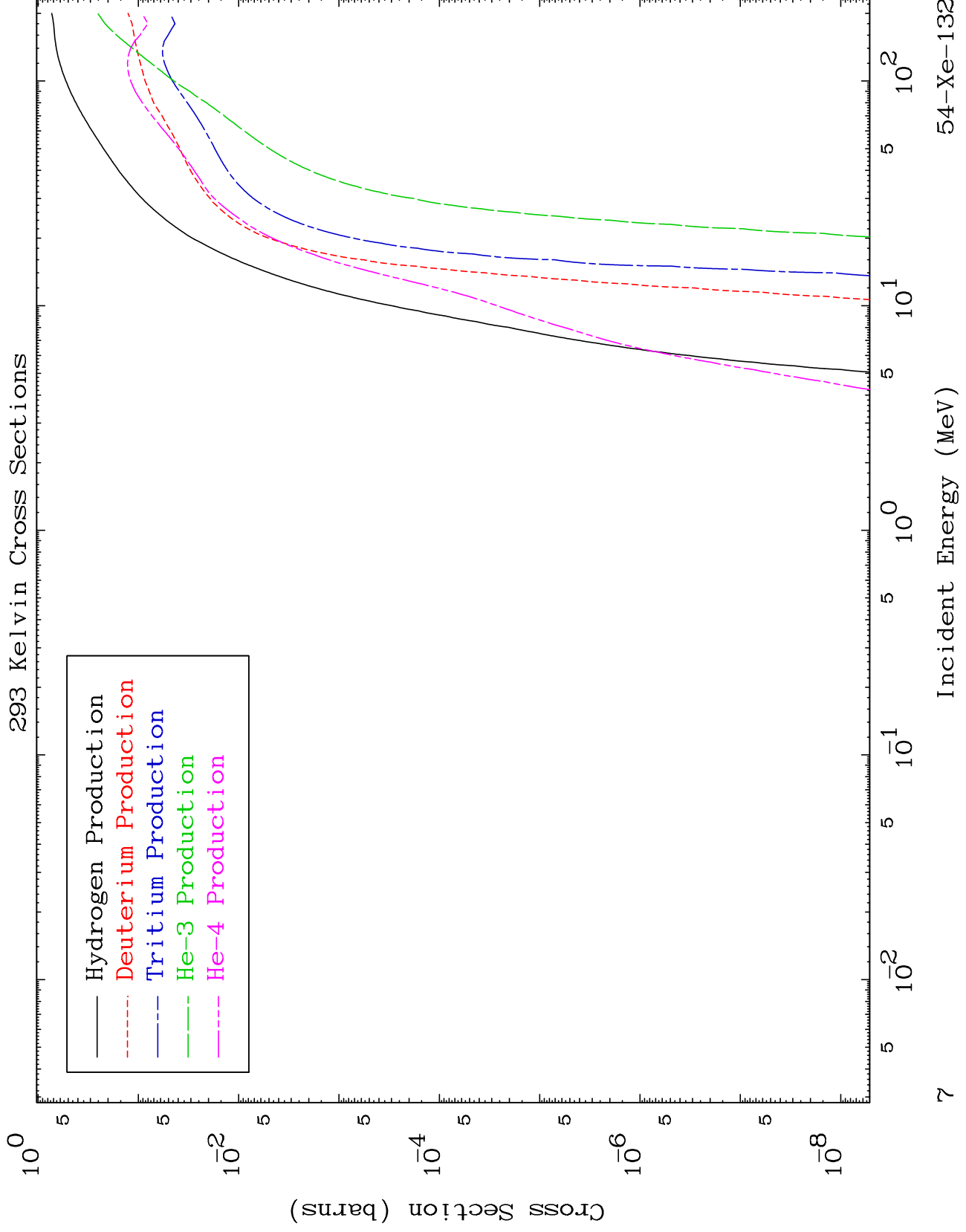
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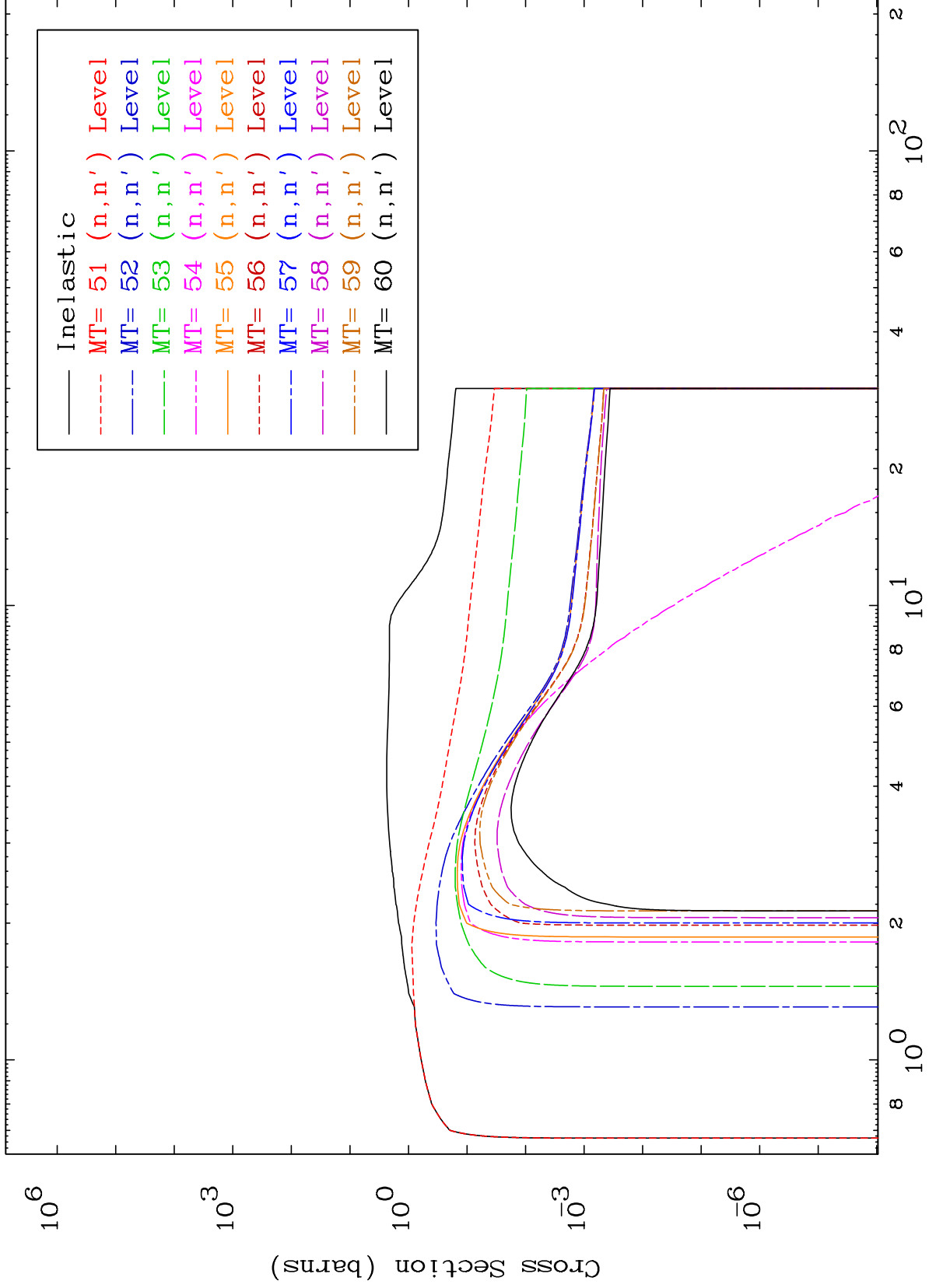
MAT 5449

Particle Production
293 Kelvin Cross Sections

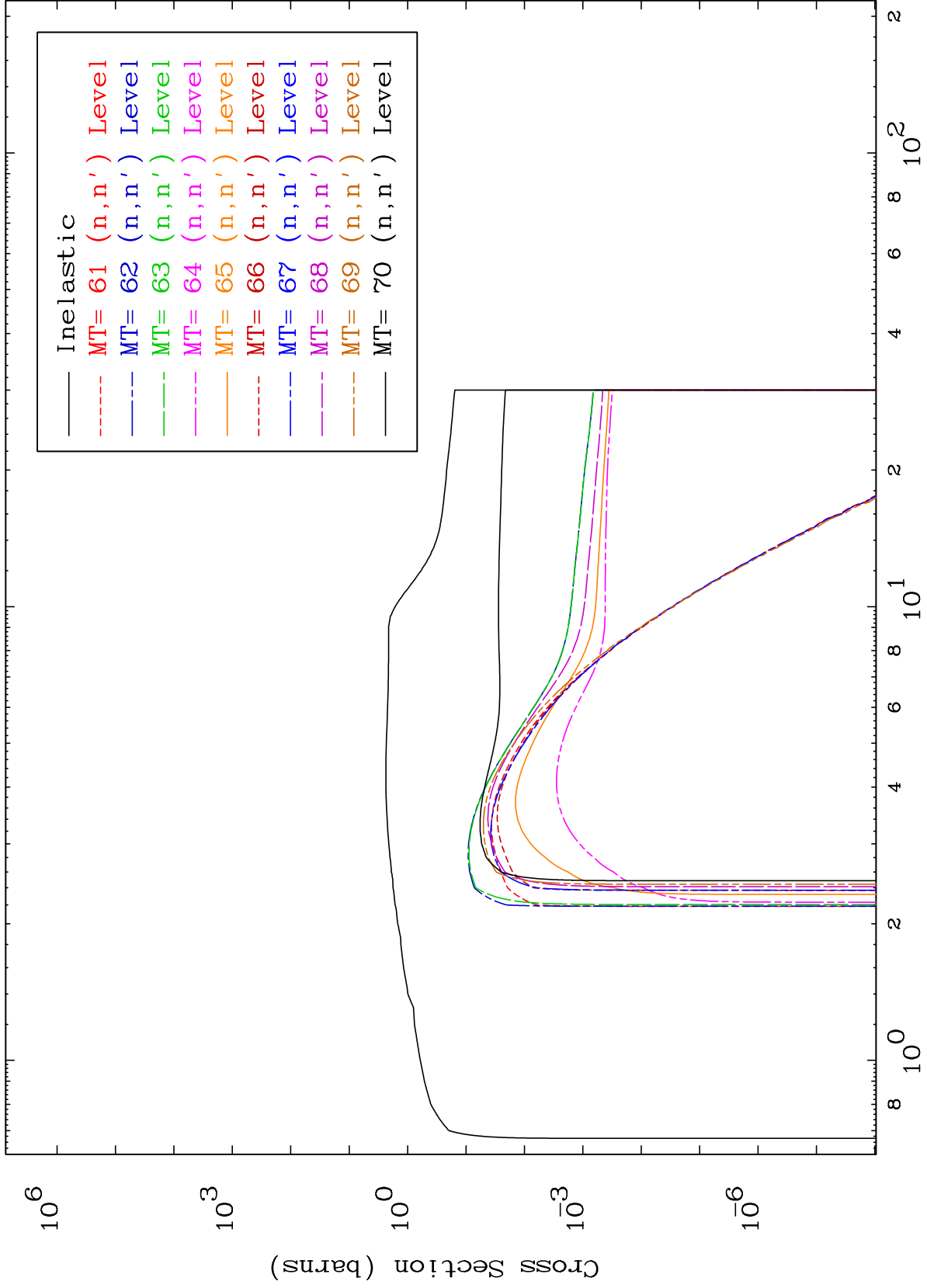
54-Xe-132



293 Kelvin Cross Sections



293 Kelvin Cross Sections

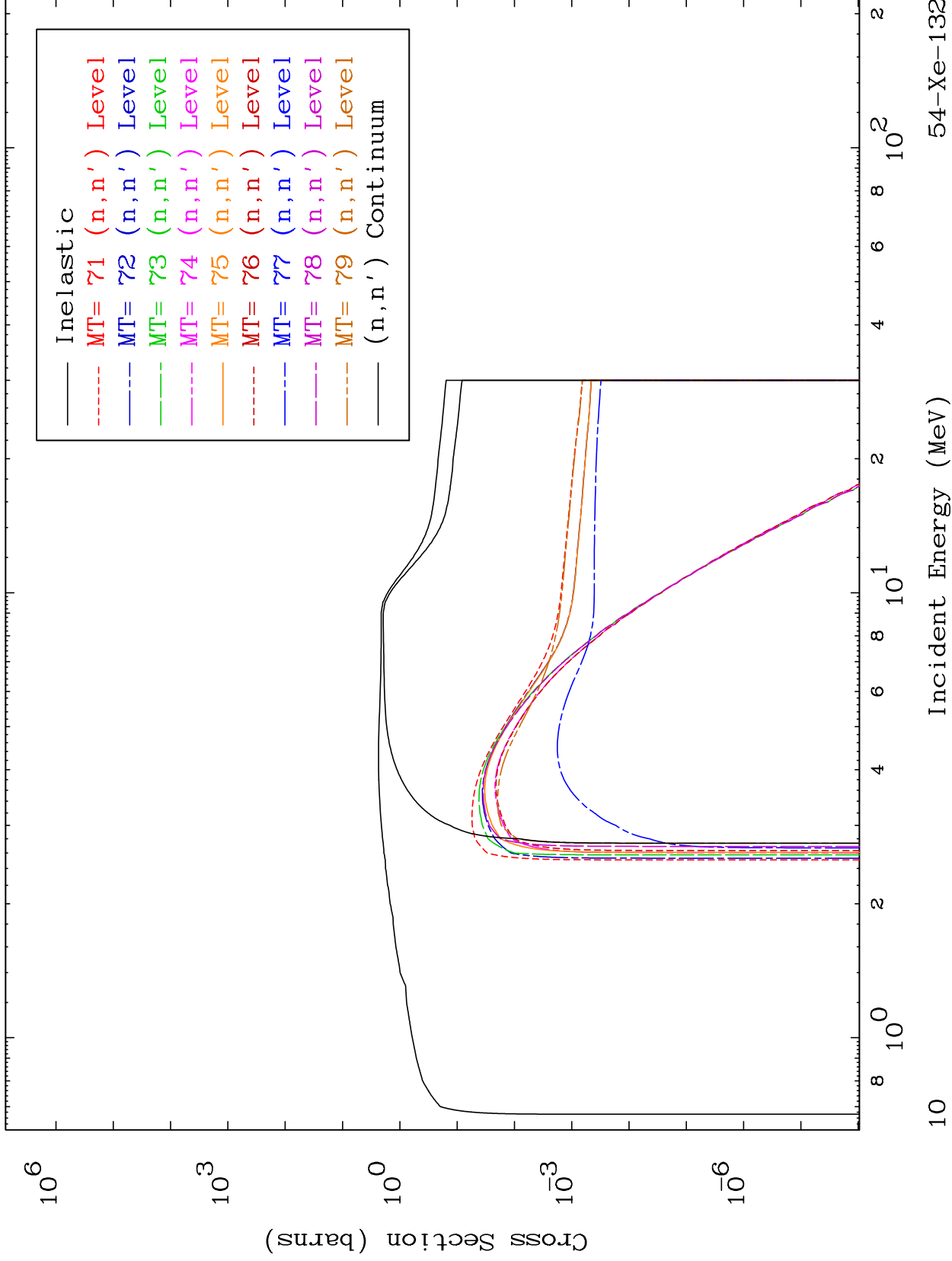


MAT 5449

(n,n') Levels

54-Xe-132

293 Kelvin Cross Sections



10

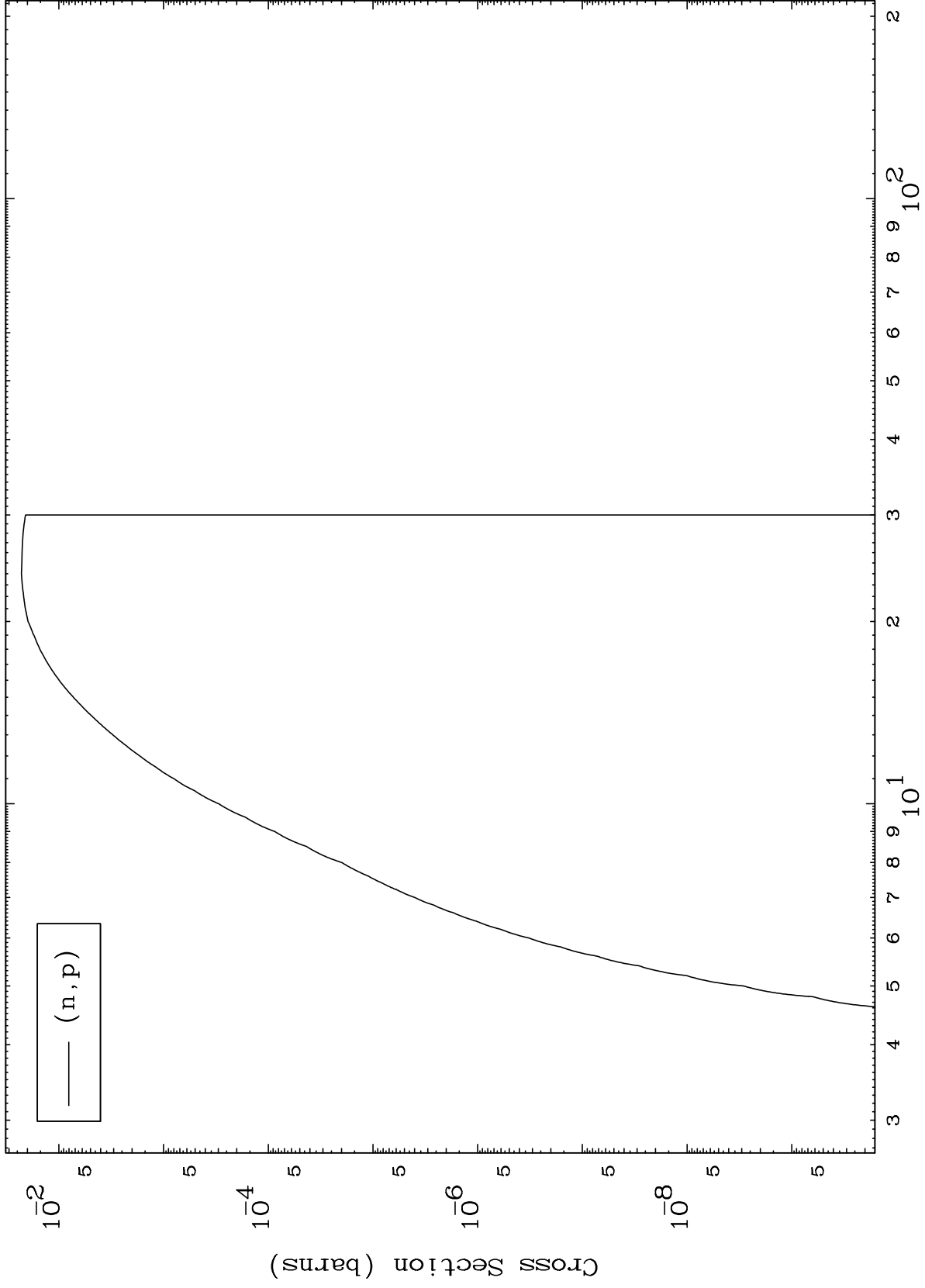
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-132



11

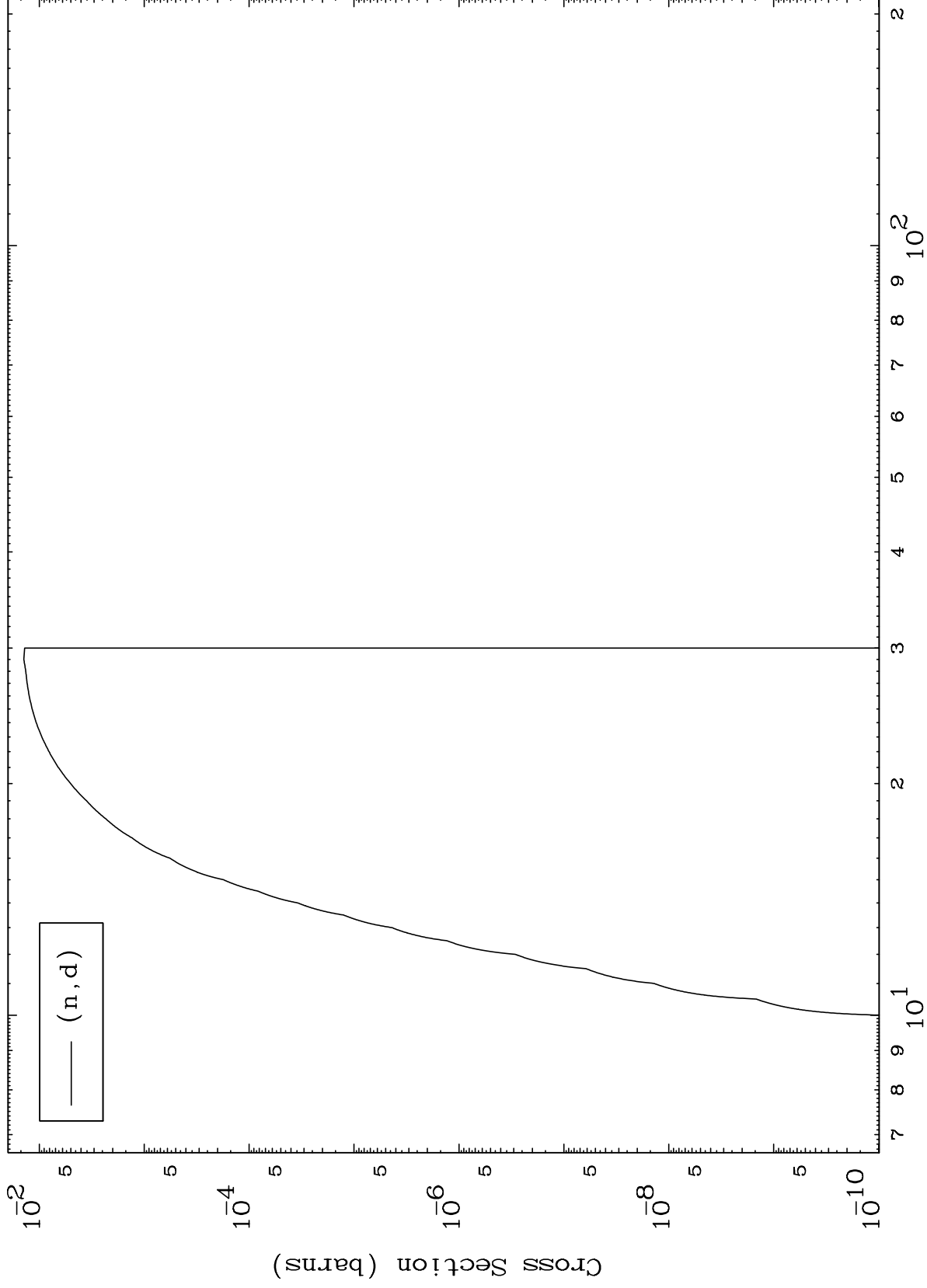
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-132



12

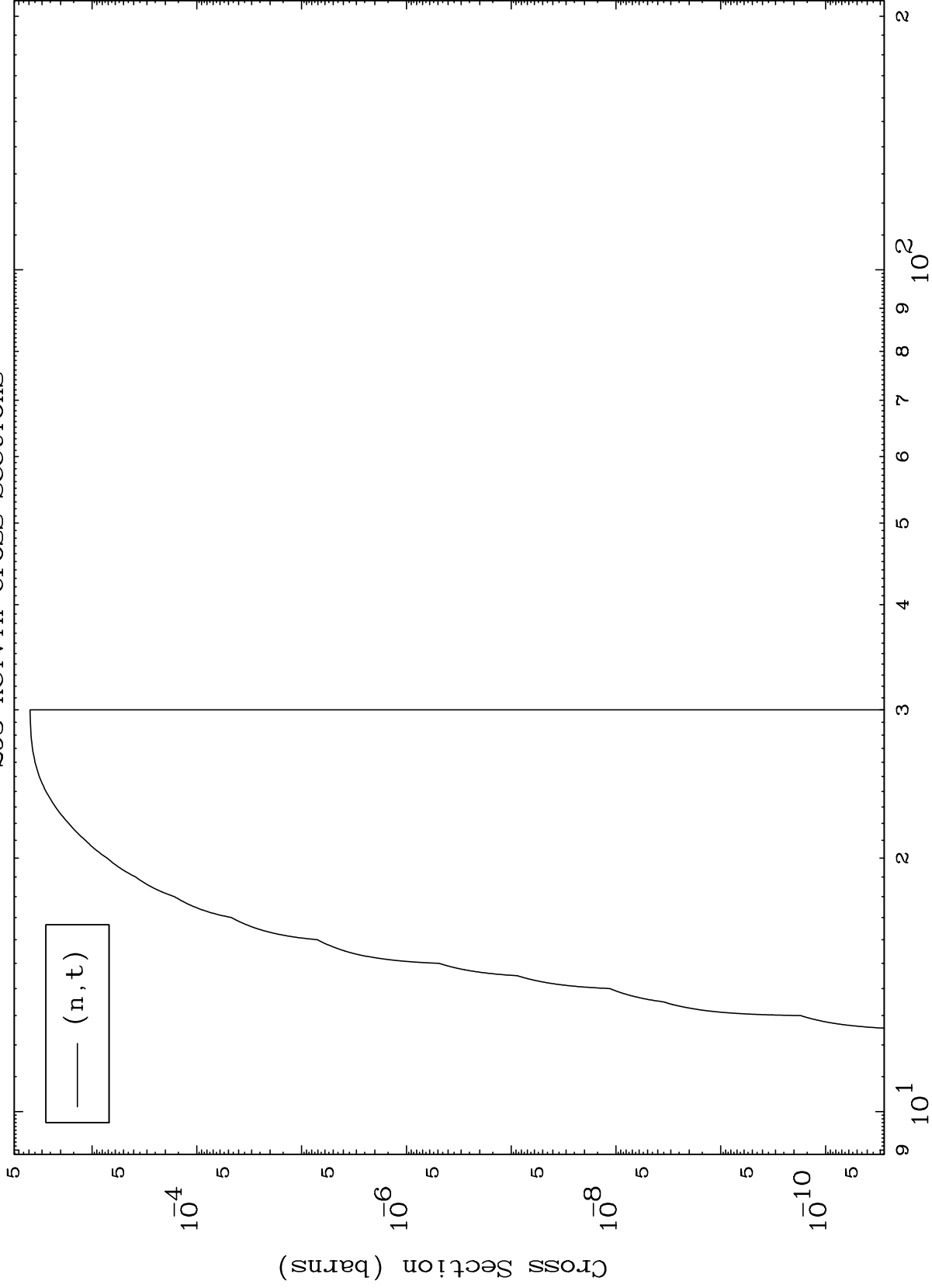
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-132



13

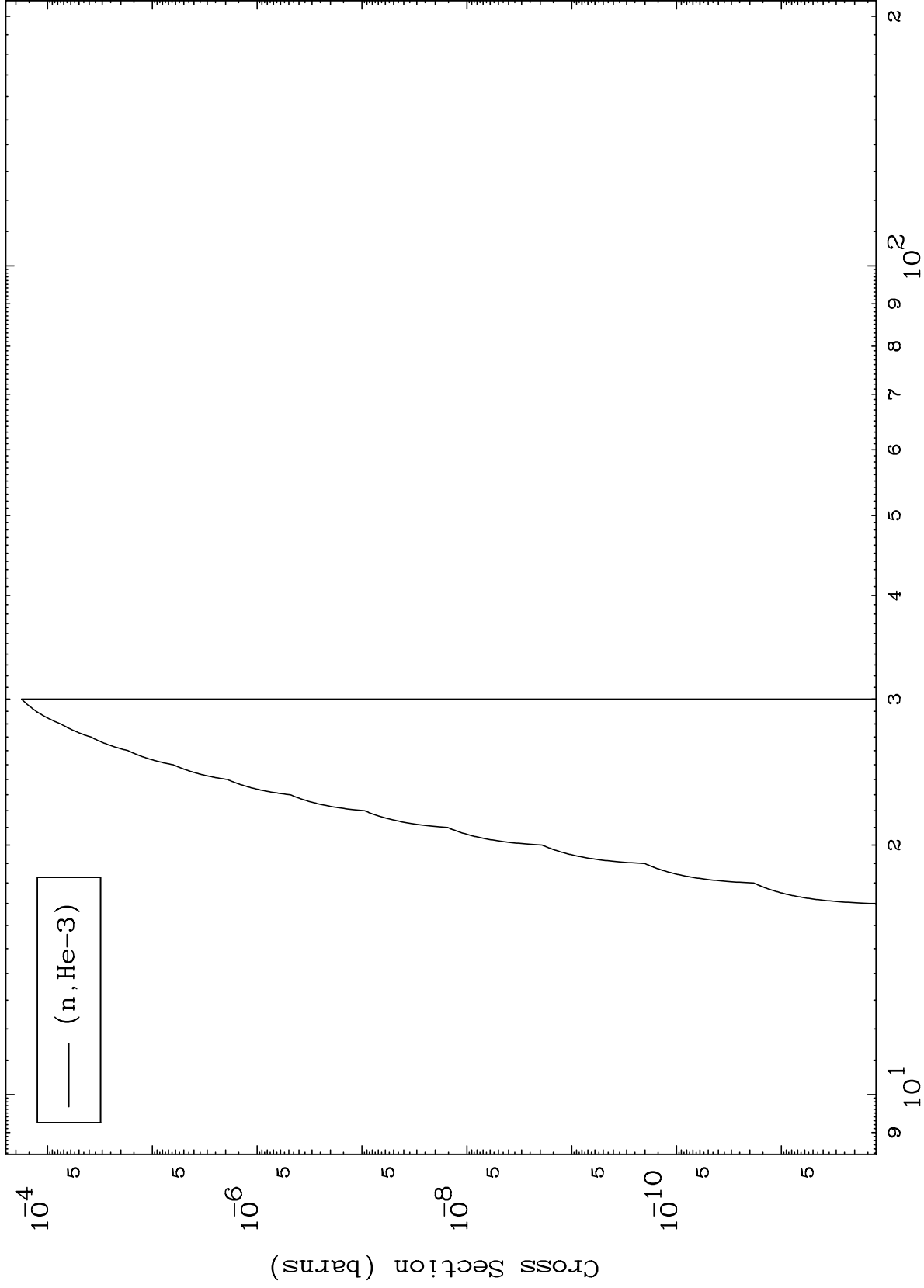
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-132



14

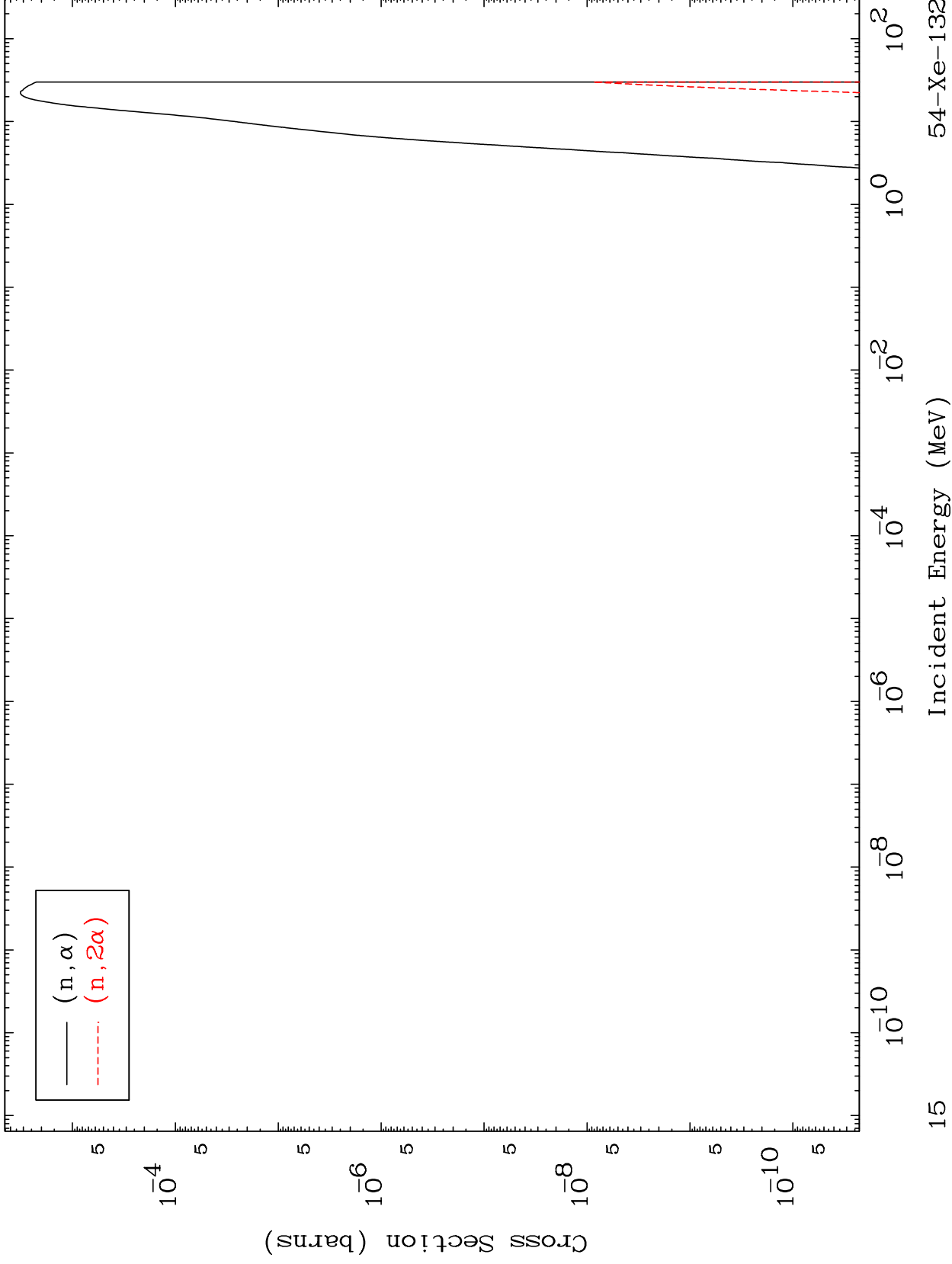
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n, α) Levels
293 Kelvin Cross Sections

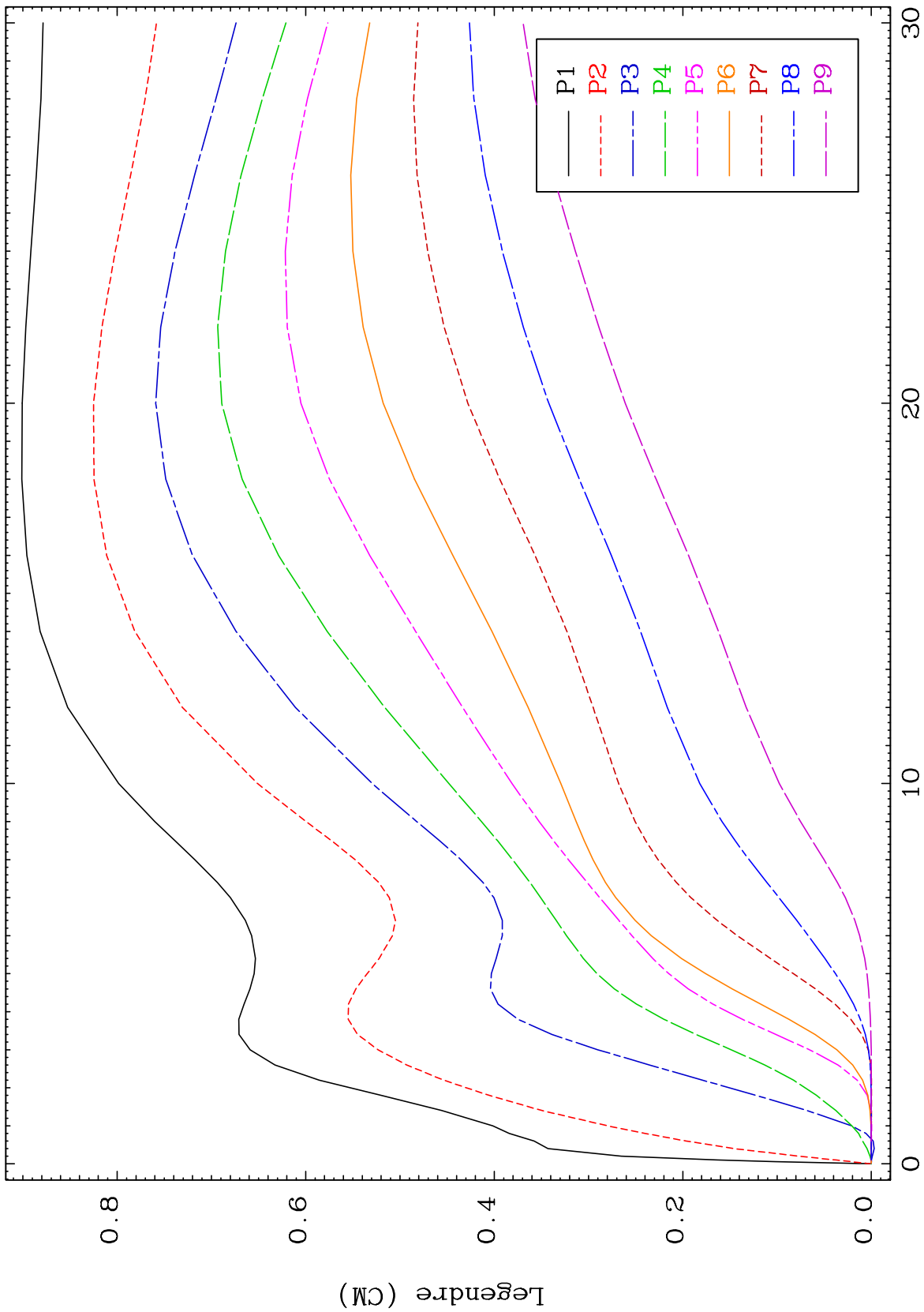
54-Xe-132



MAT 5449

54-Xe-132

Elastic Legendre Coefficients



16

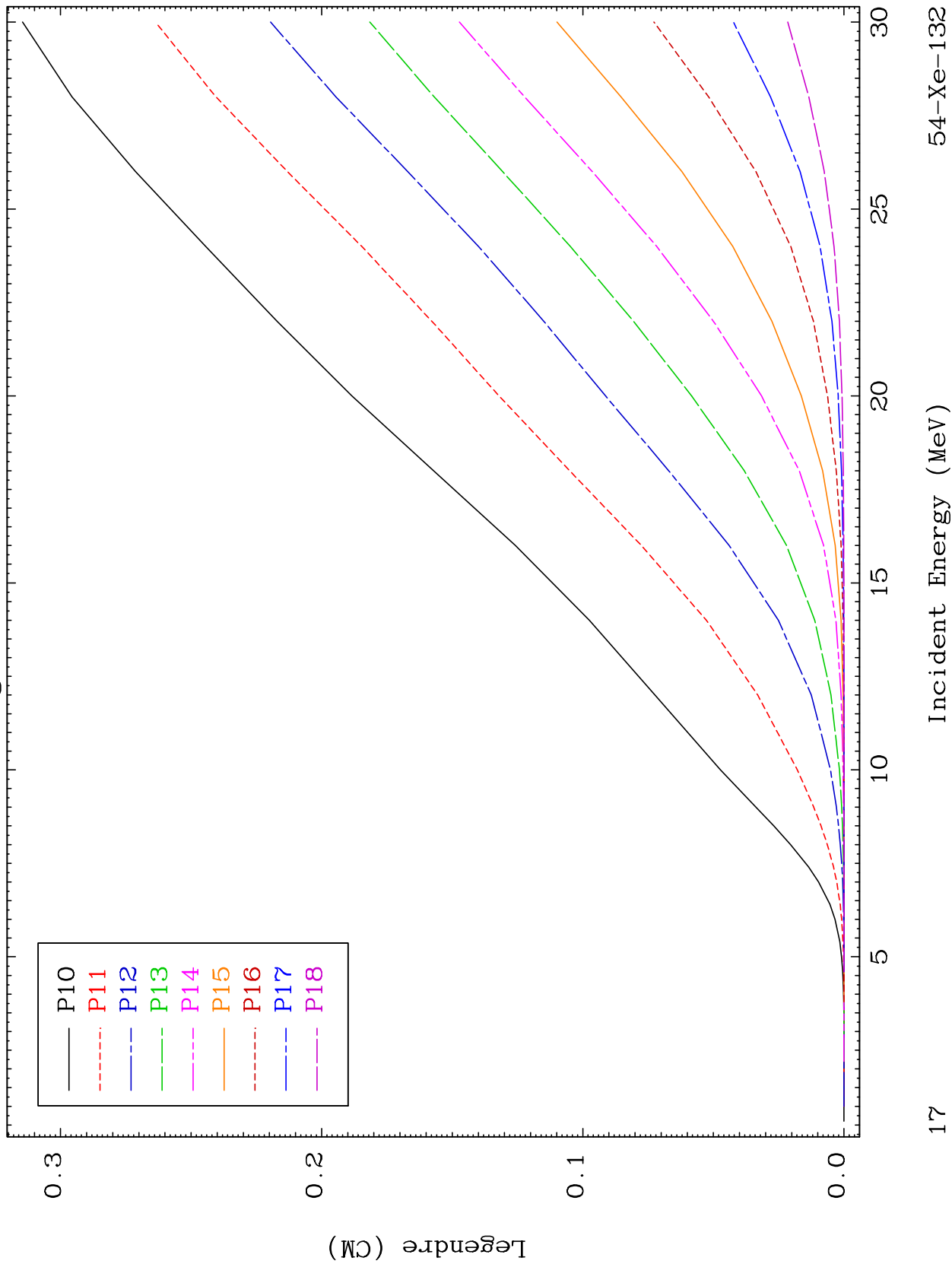
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



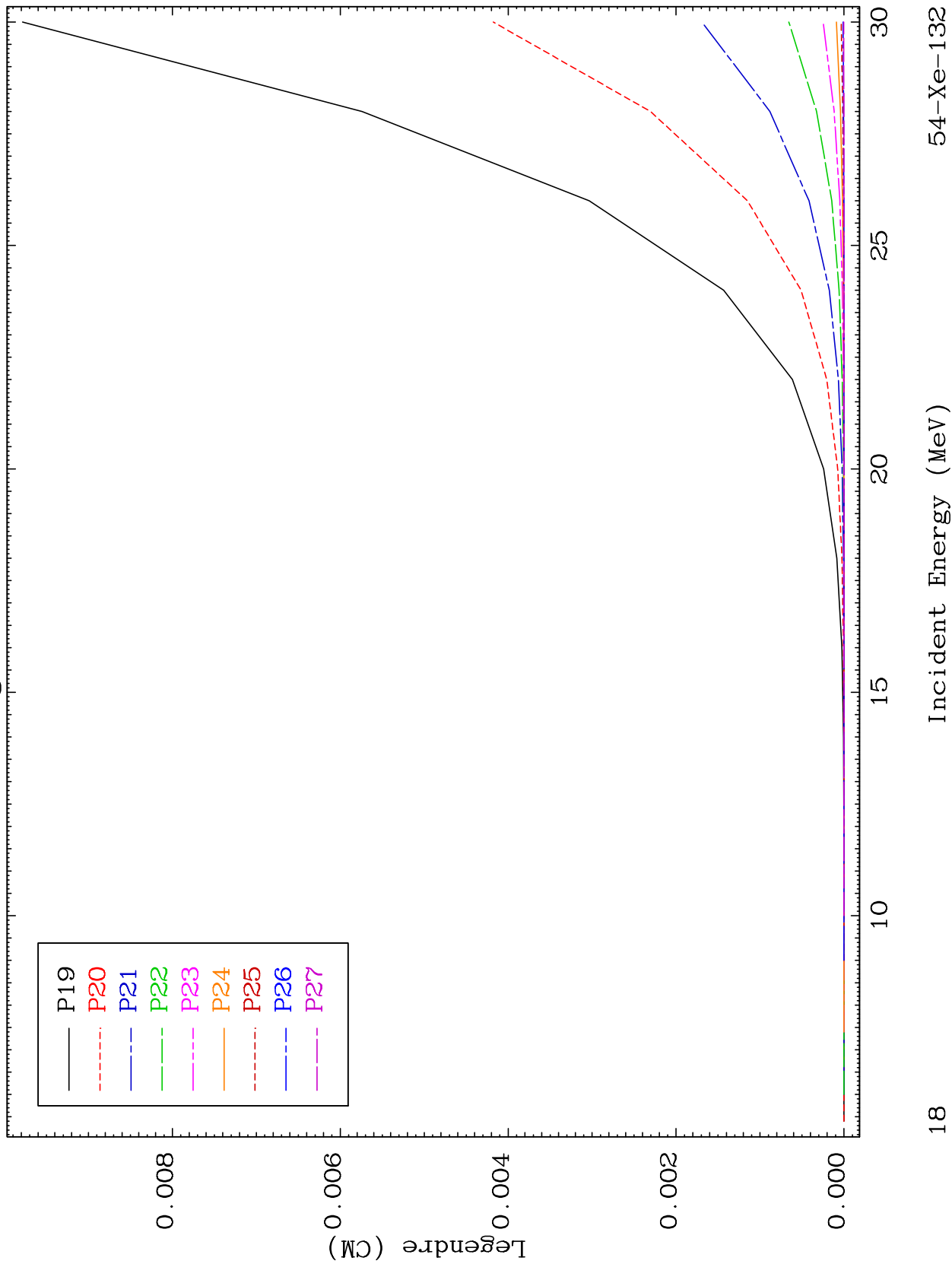
17

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



18

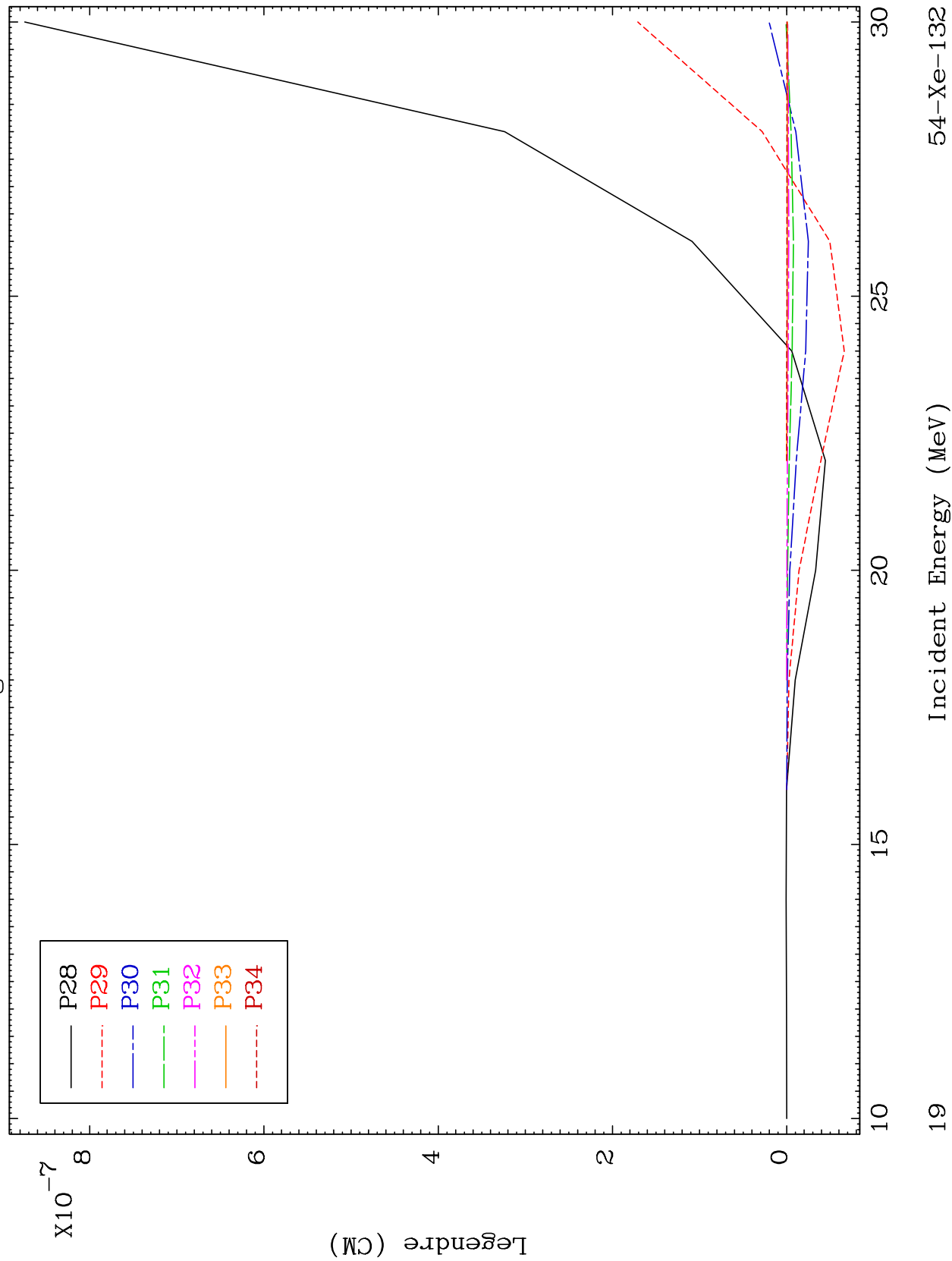
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

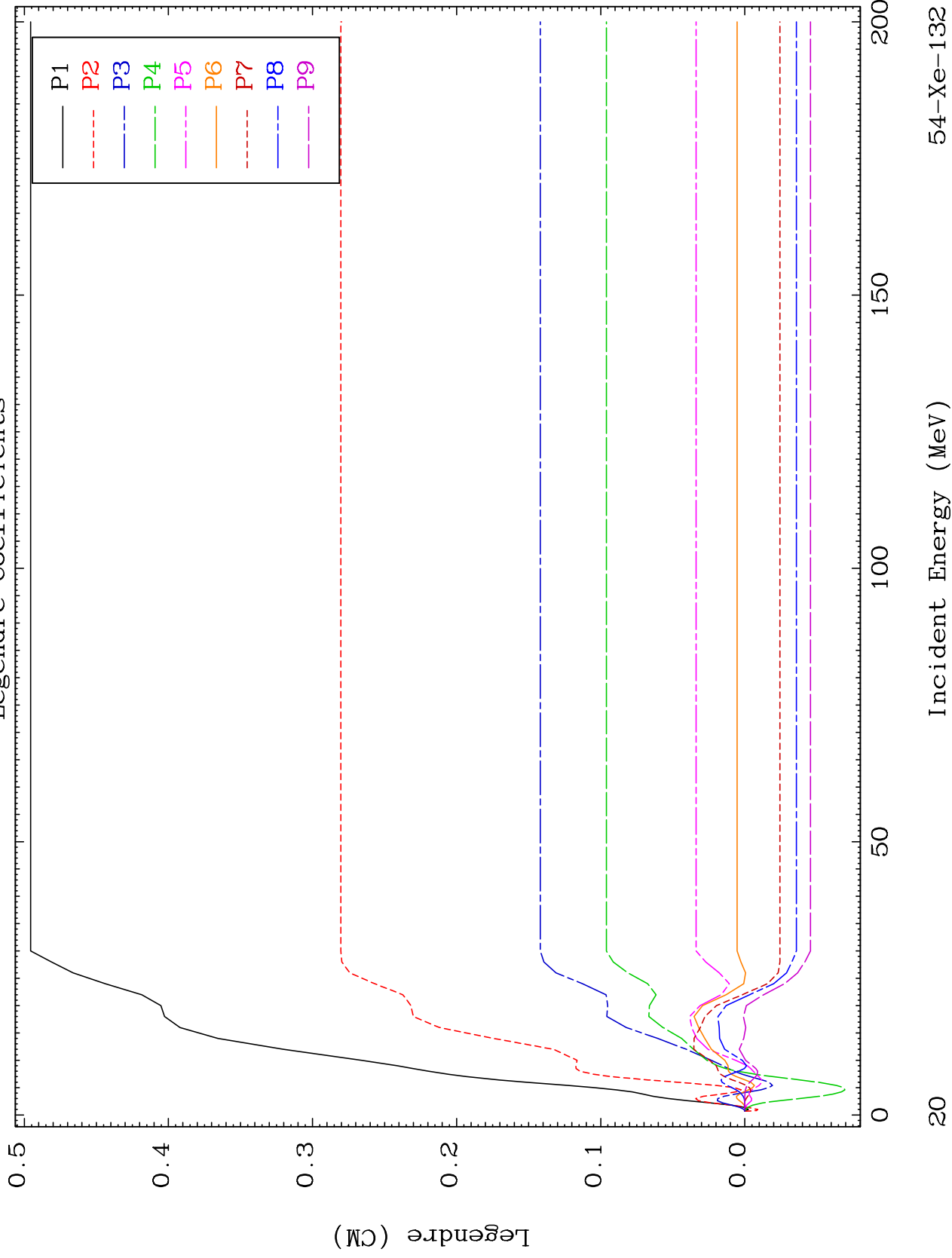
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

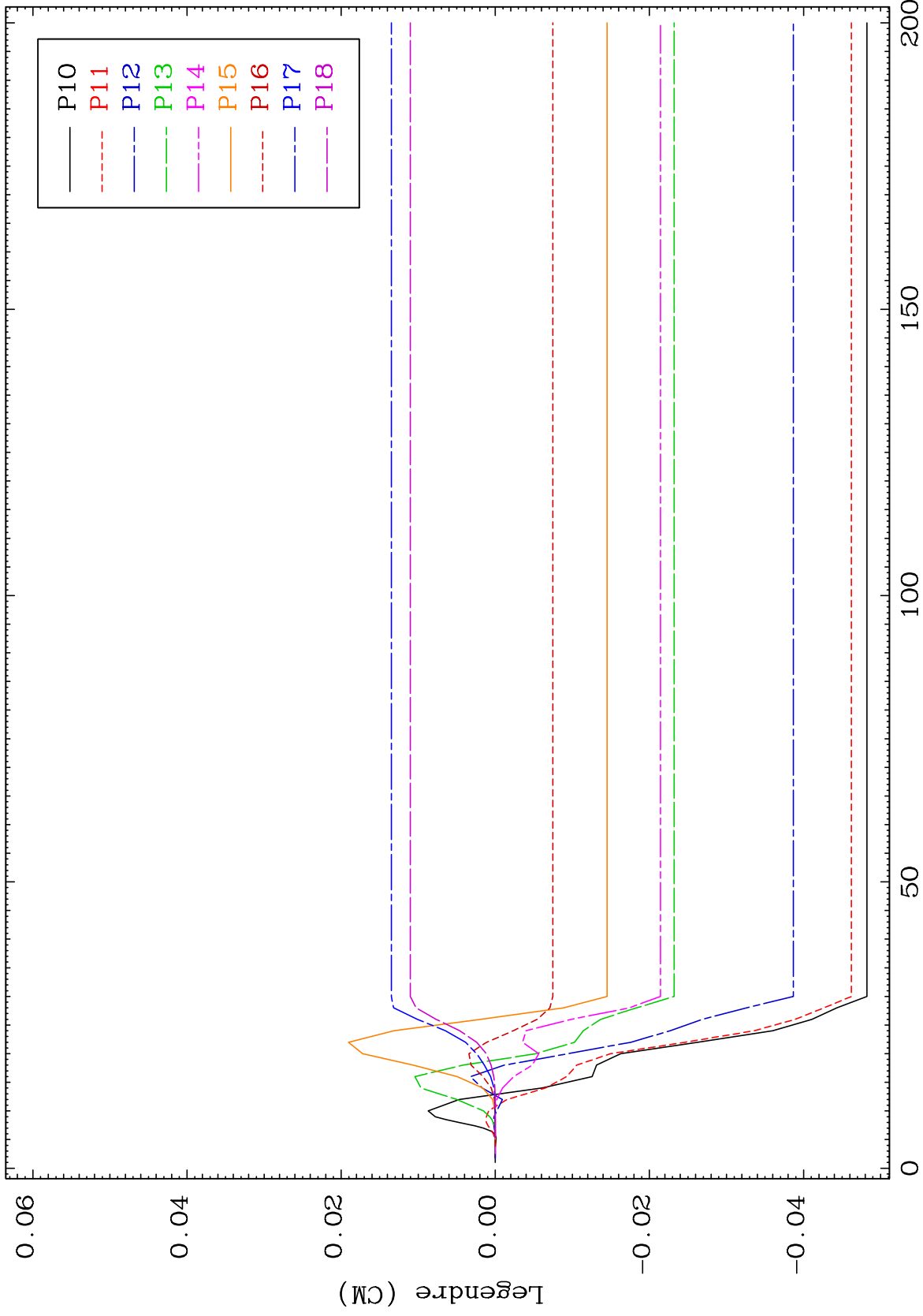
Incident Energy (MeV)

Legendre (CM)

MAT 5449

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

54-Xe-132



21

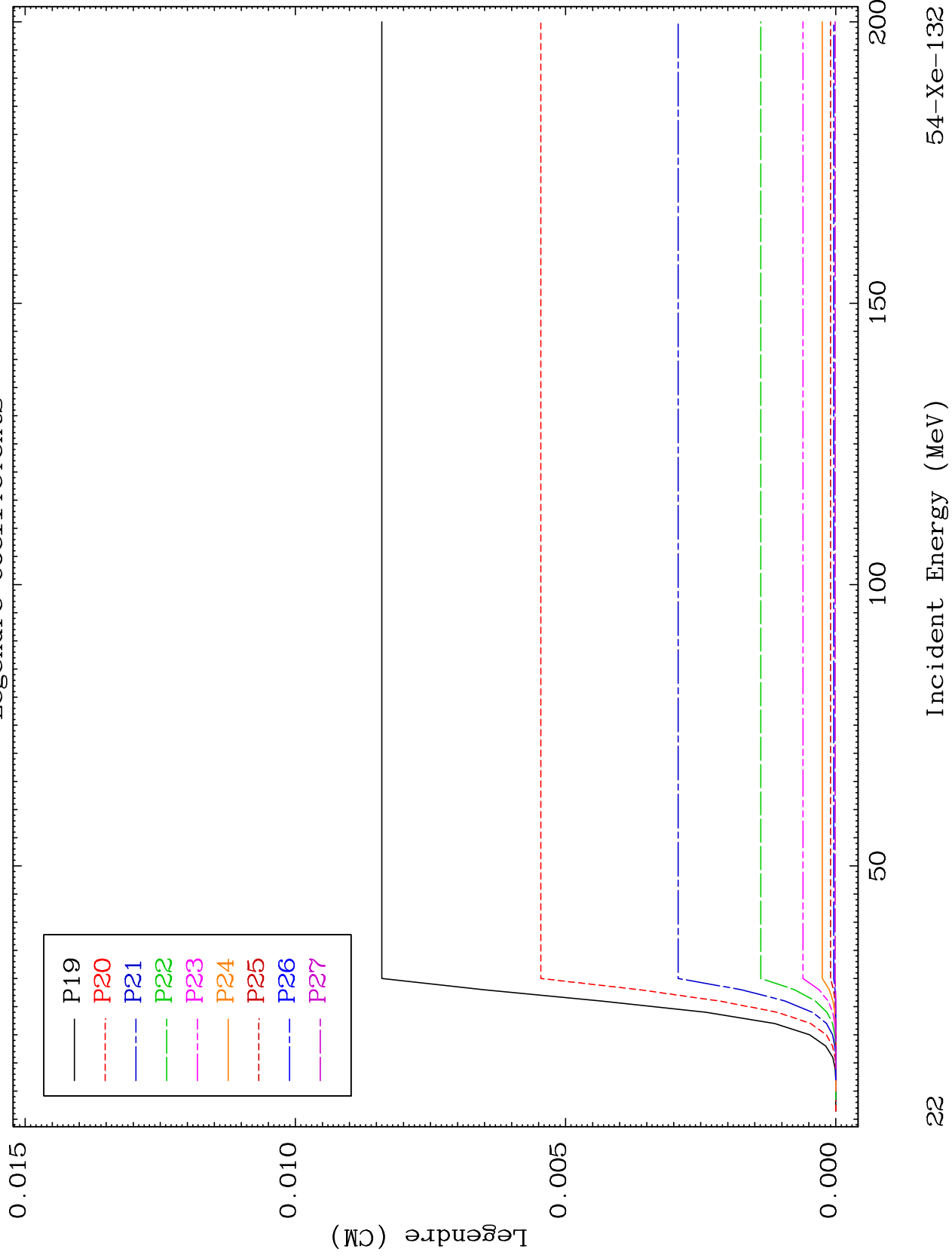
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



22

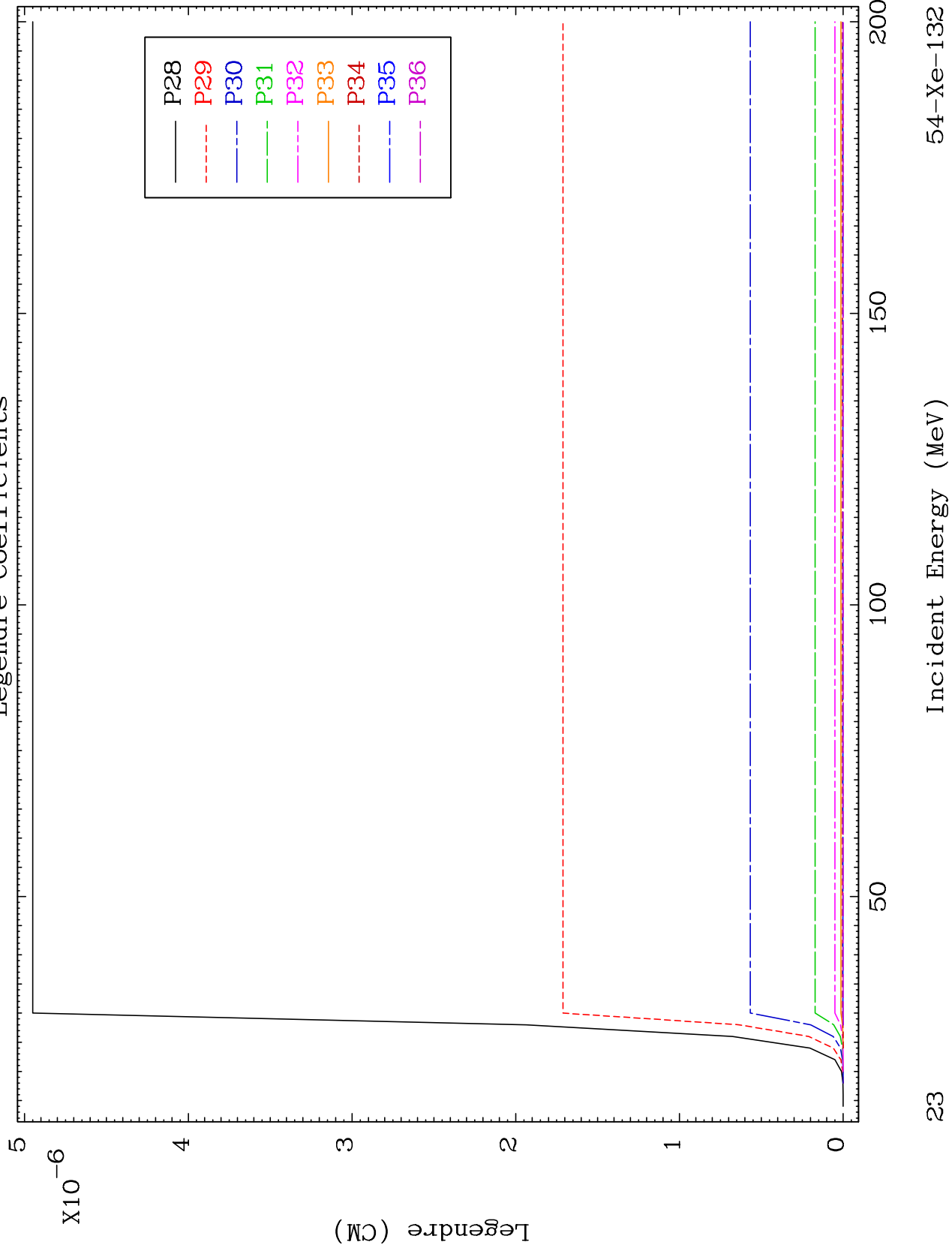
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



23

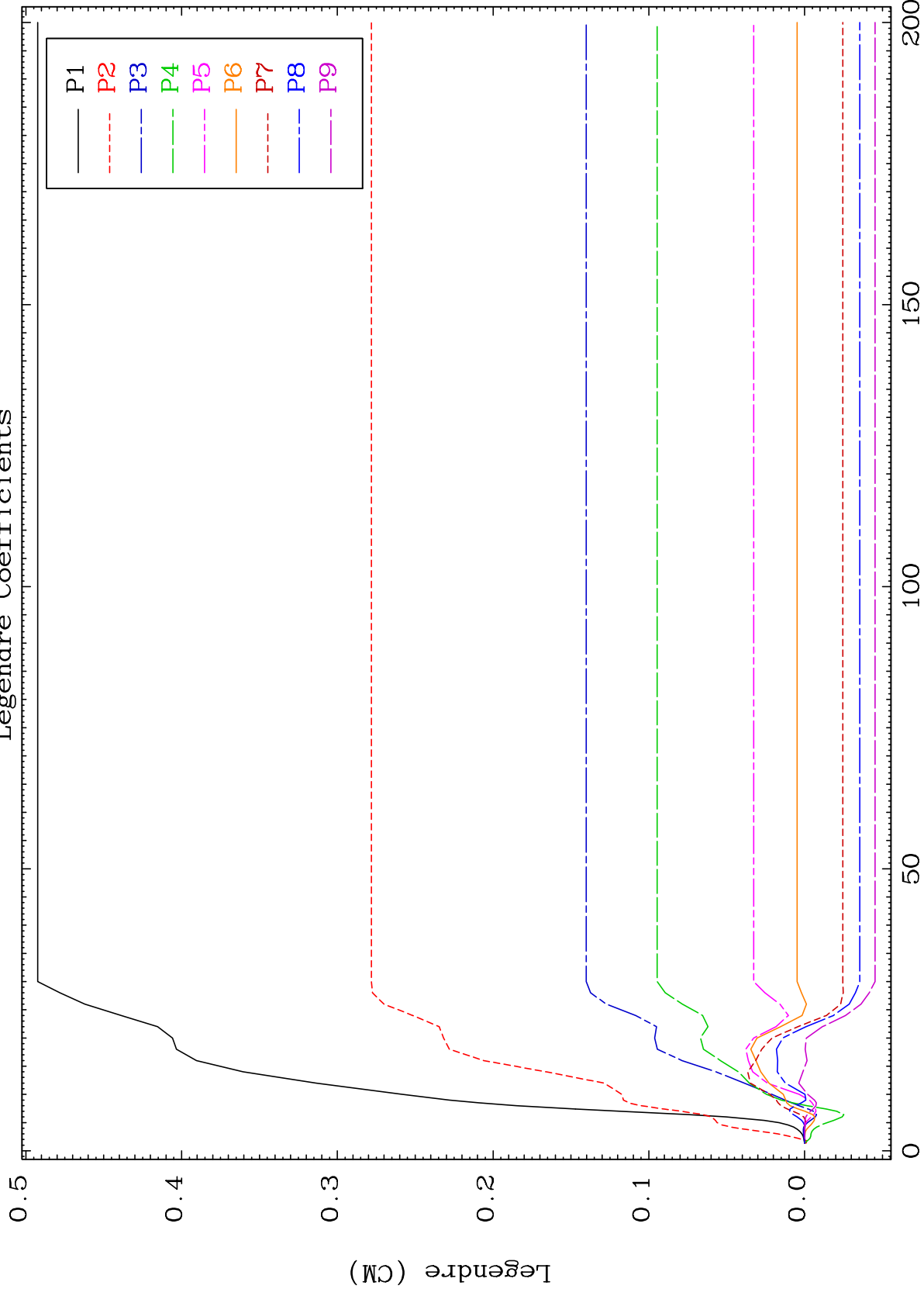
54-Xe-132

MAT 5449

MT= 52 (n,n') Level

54-Xe-132

Legendre Coefficients



24

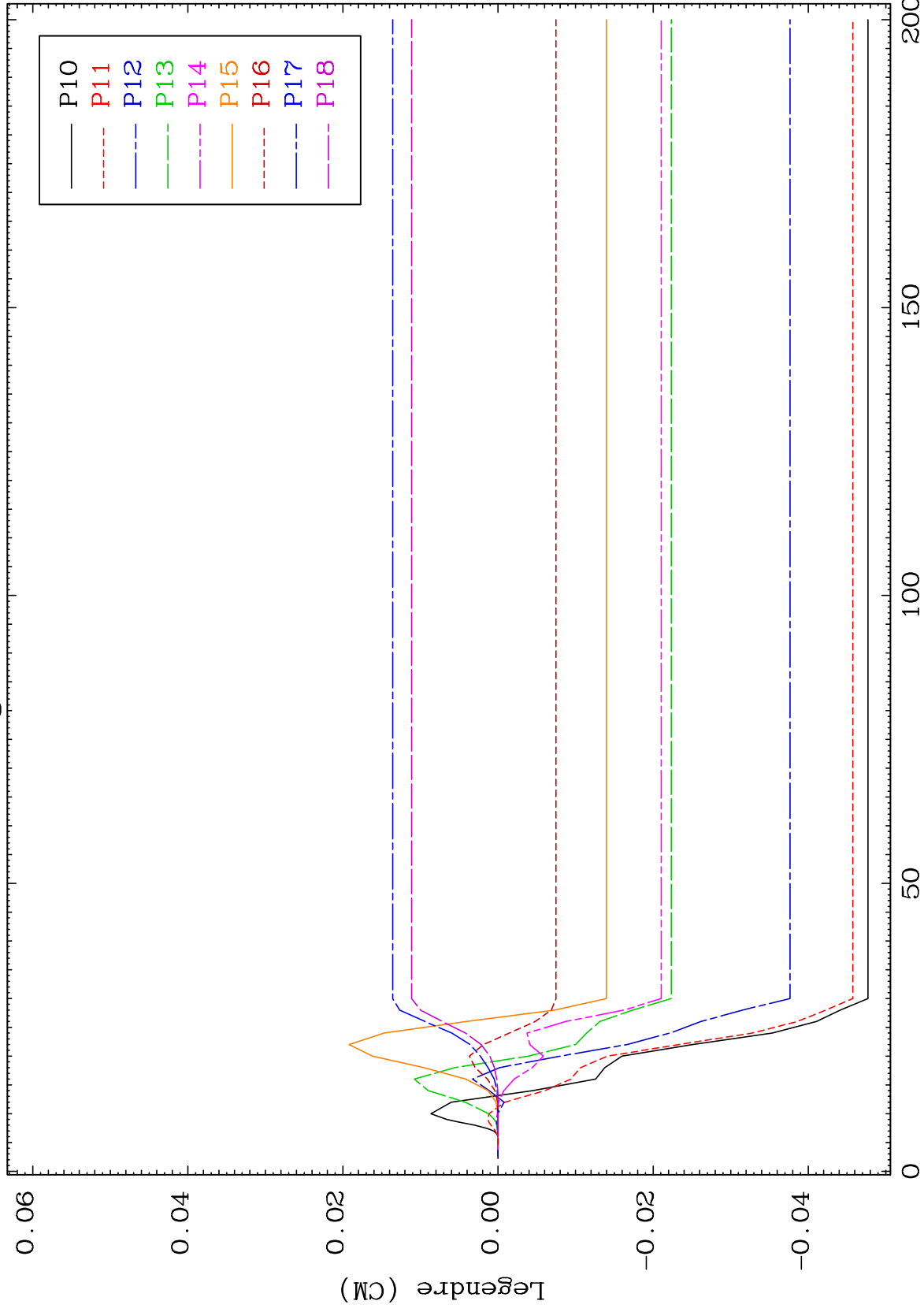
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



25

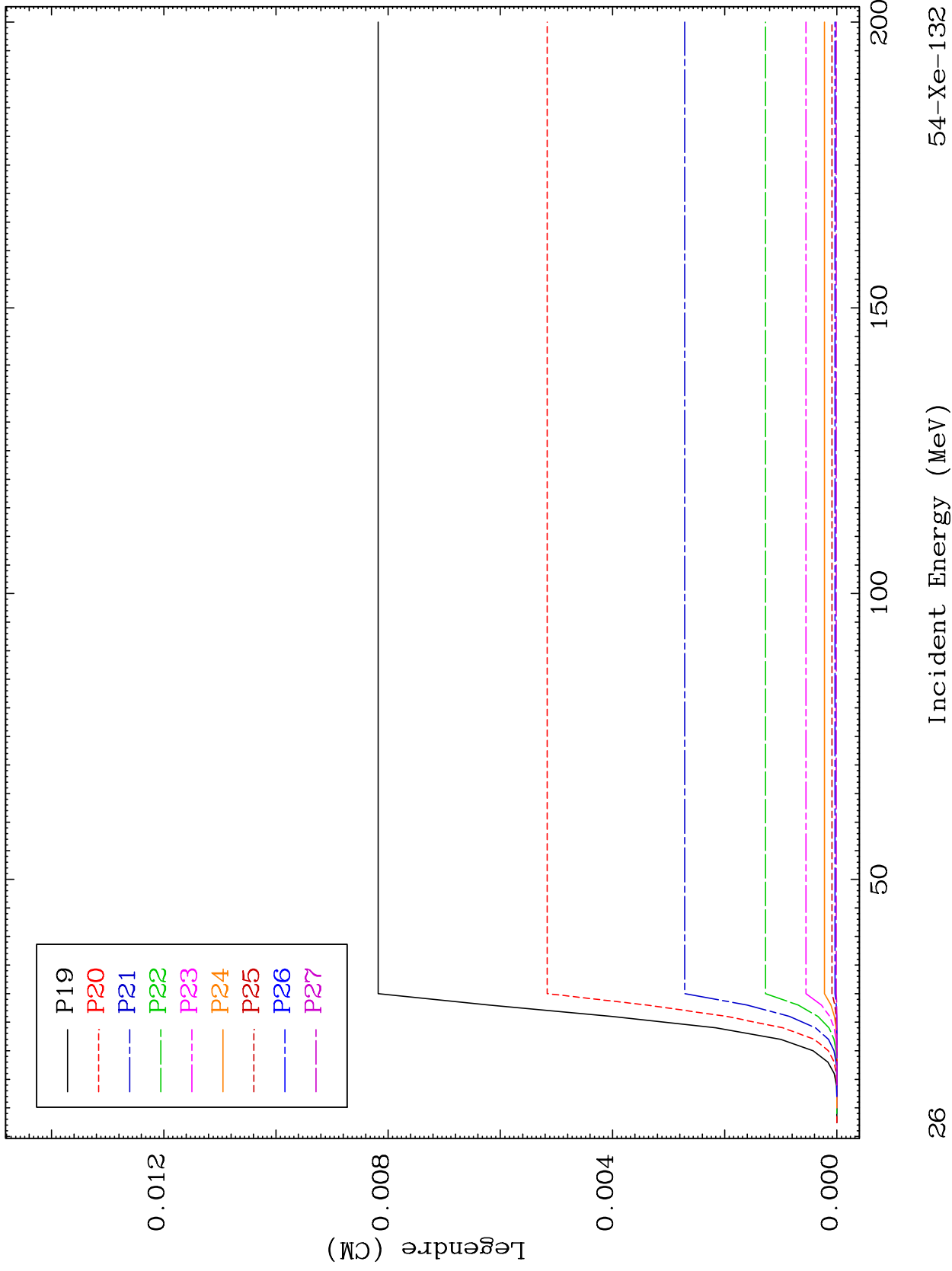
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



26

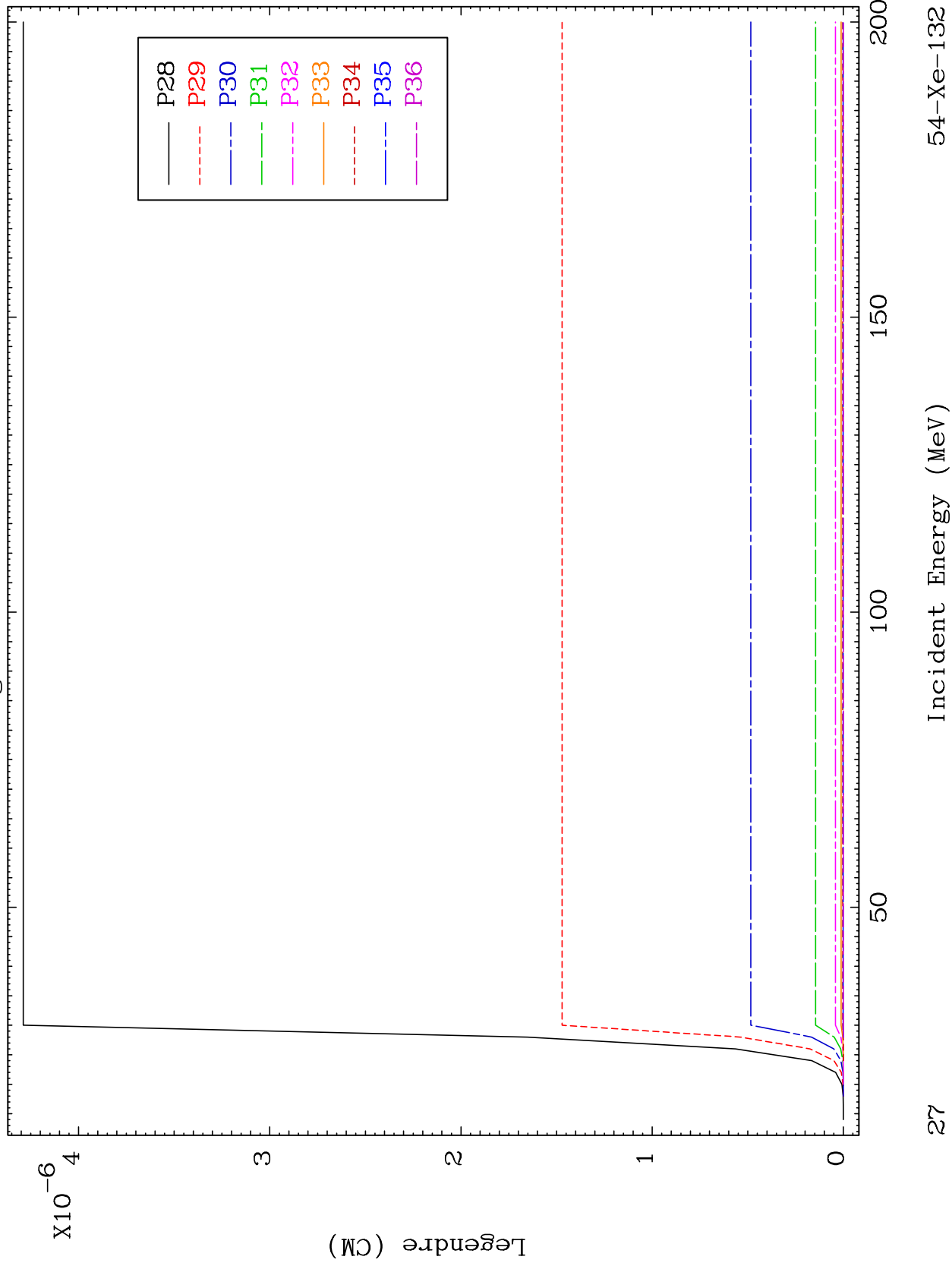
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

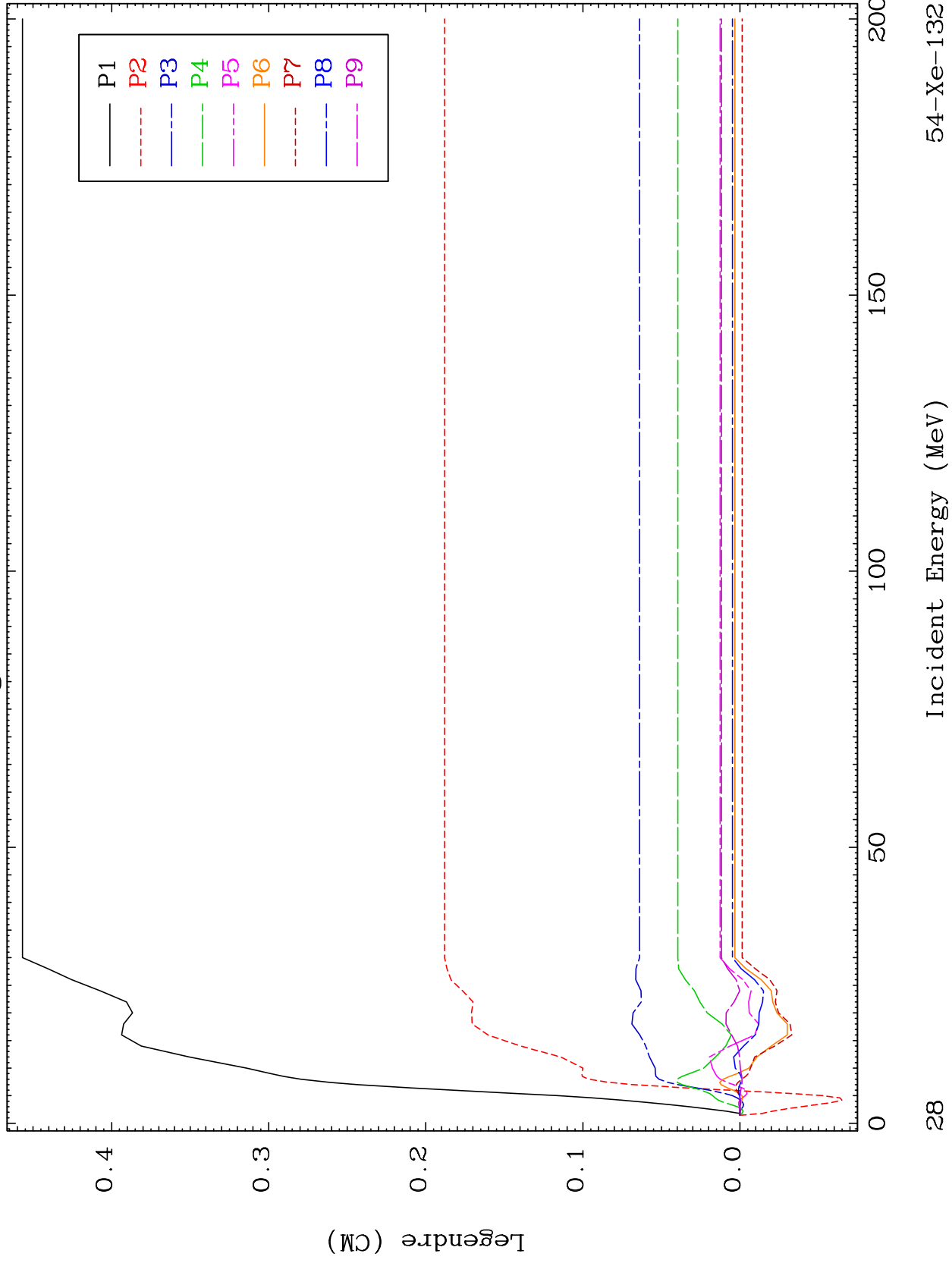
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

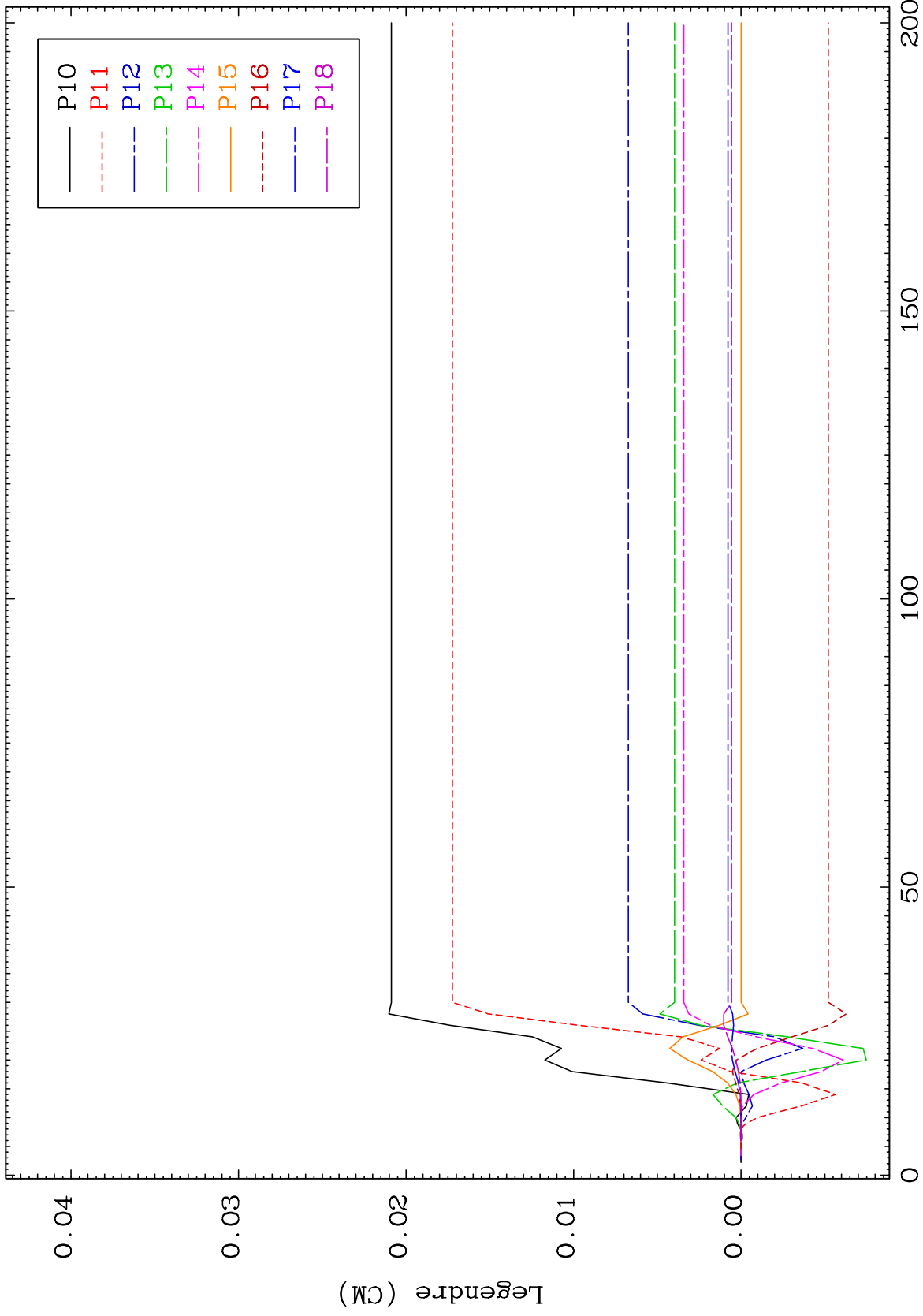
Incident Energy (MeV)

28

MAT 5449

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

54-Xe-132



29

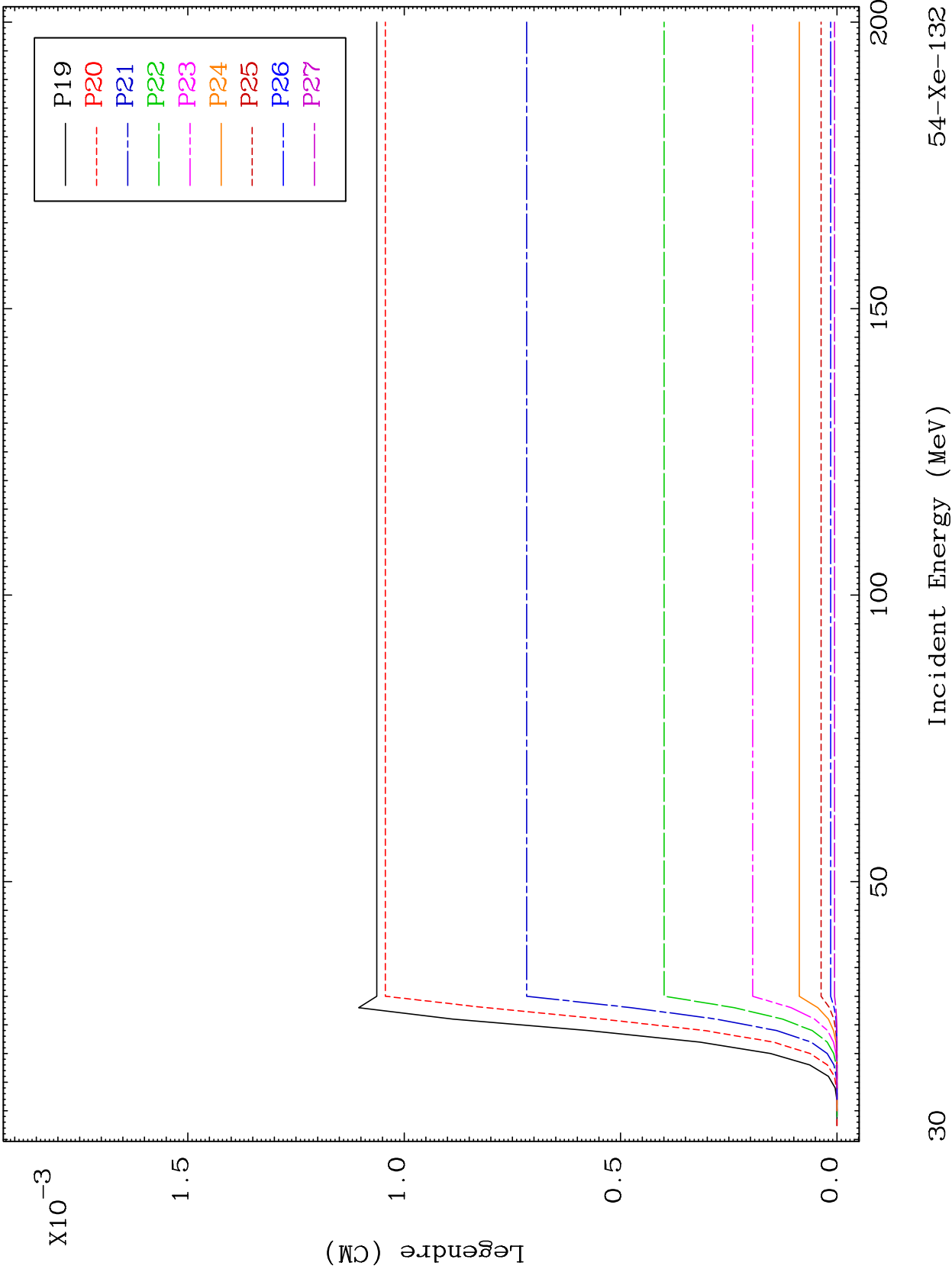
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

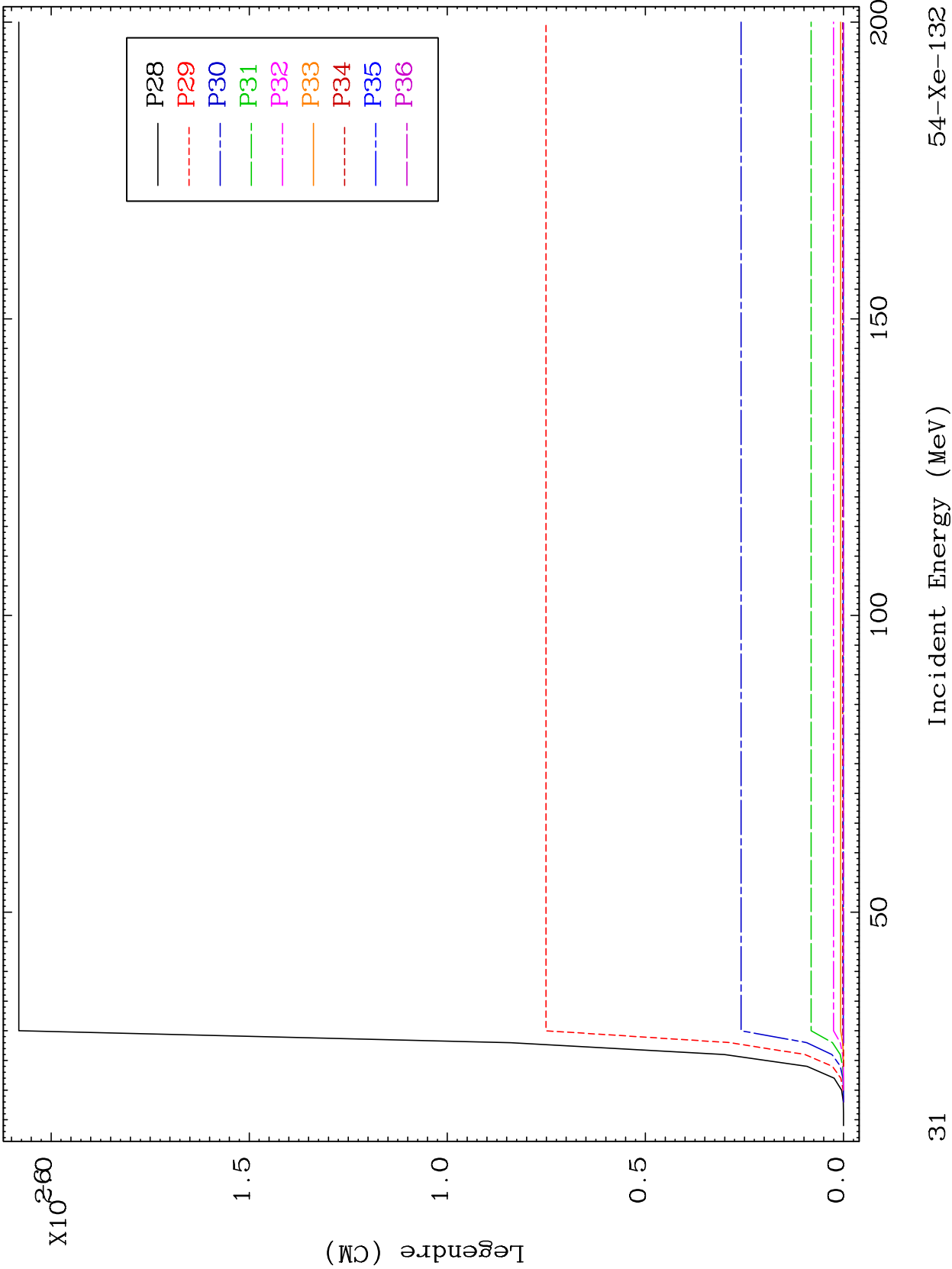
54-Xe-132



MAT 5449

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

54-Xe-132



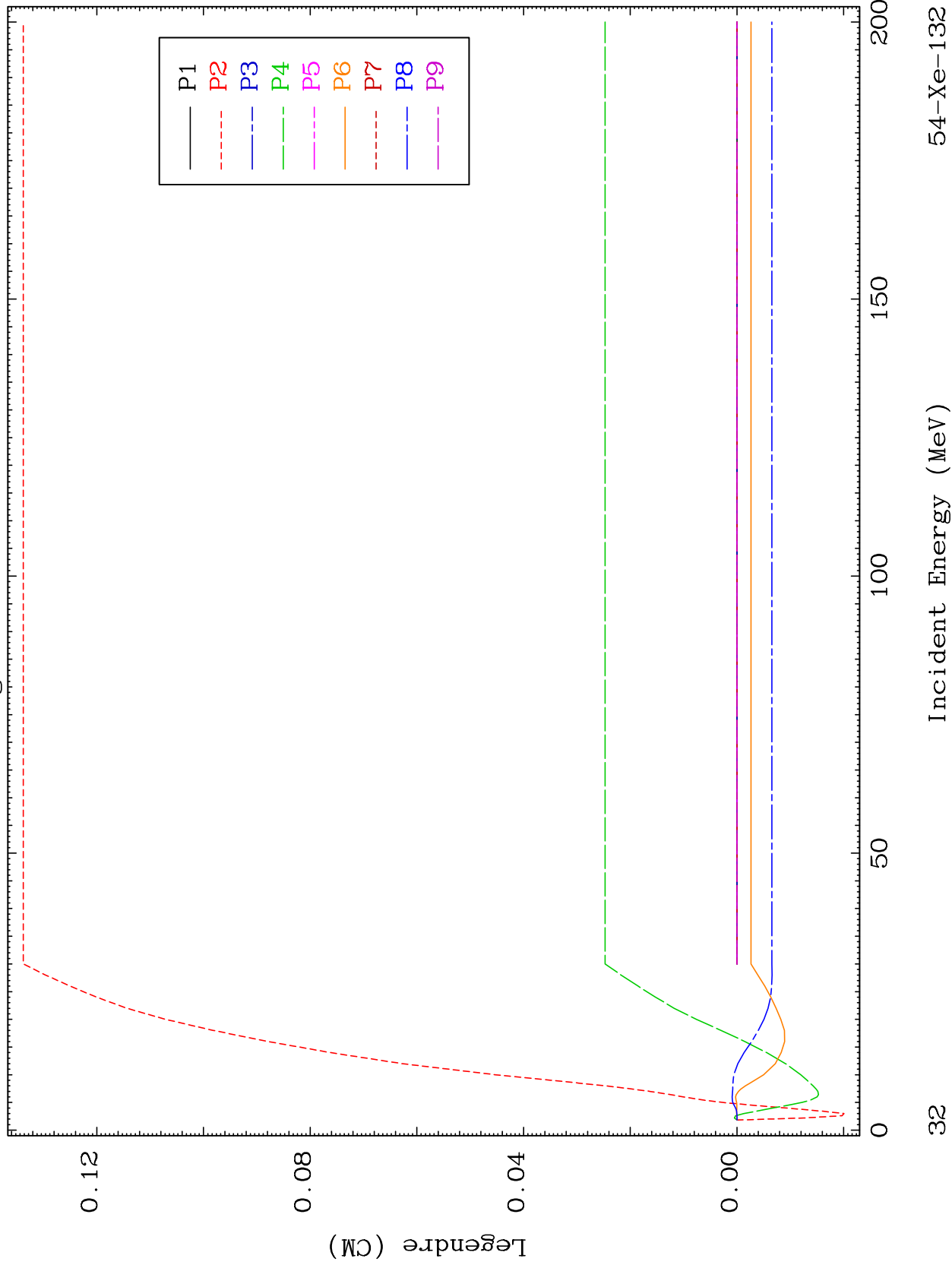
31

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

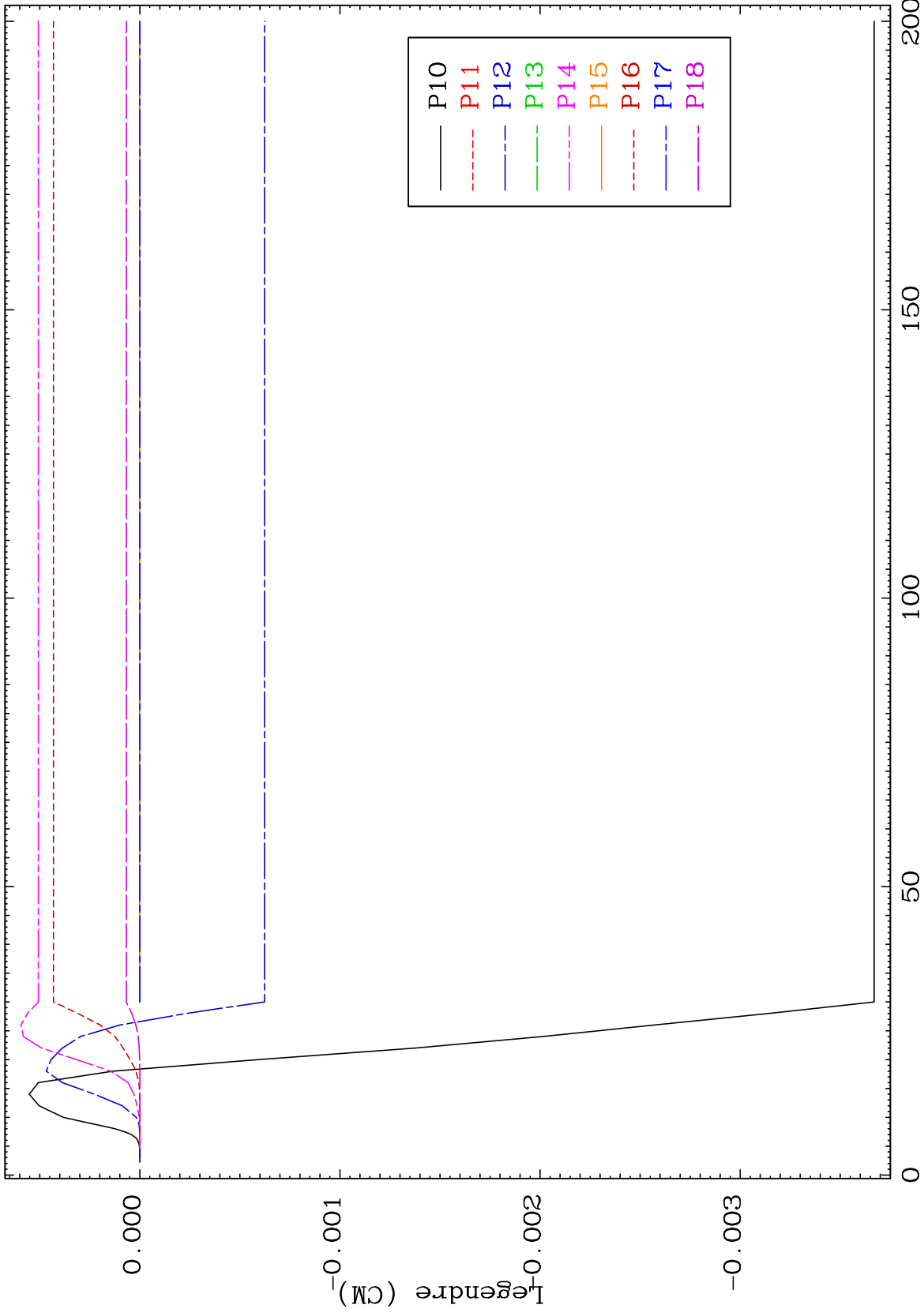
Incident Energy (MeV)

32

MAT 5449

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

54-Xe-132



33

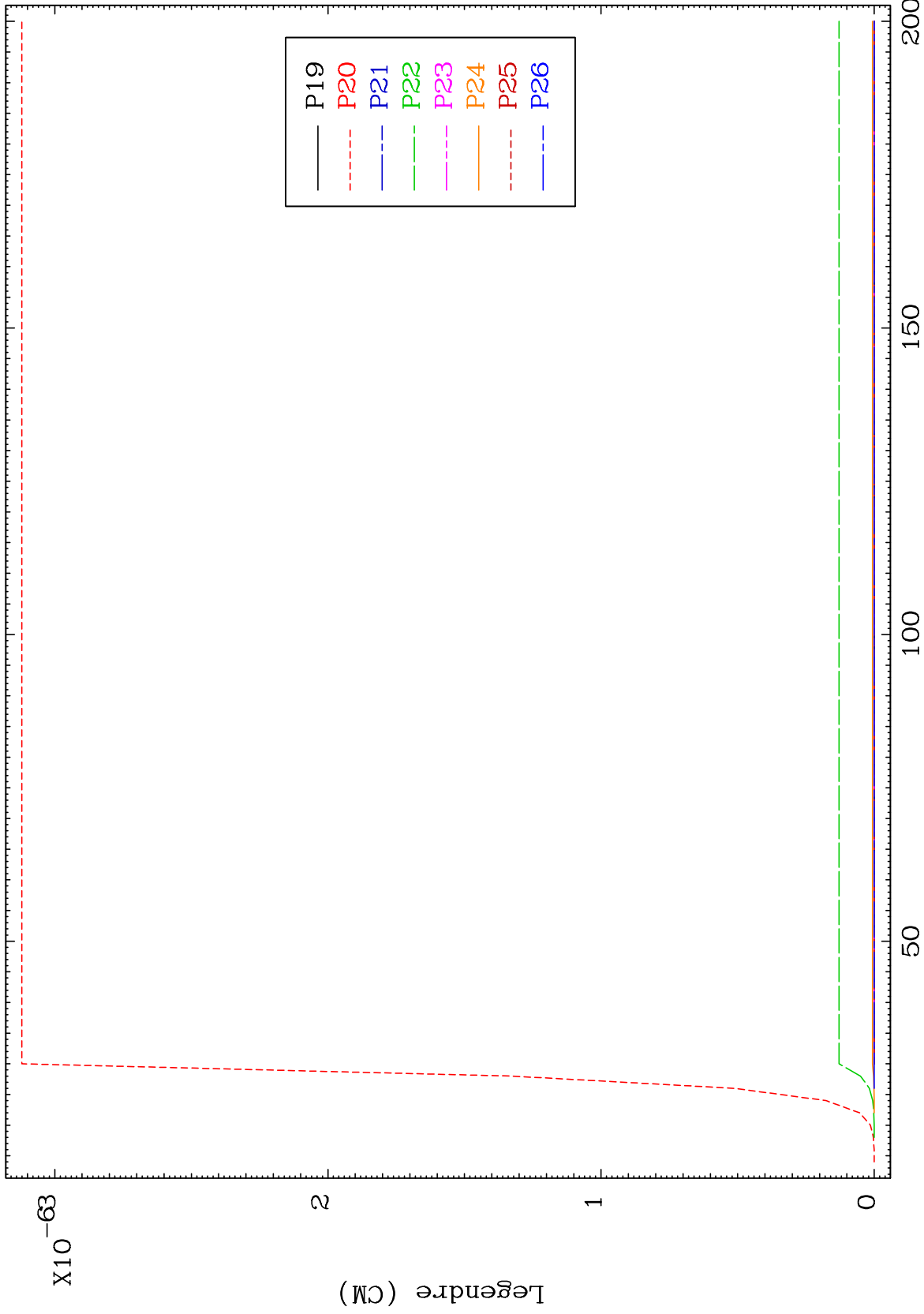
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



34

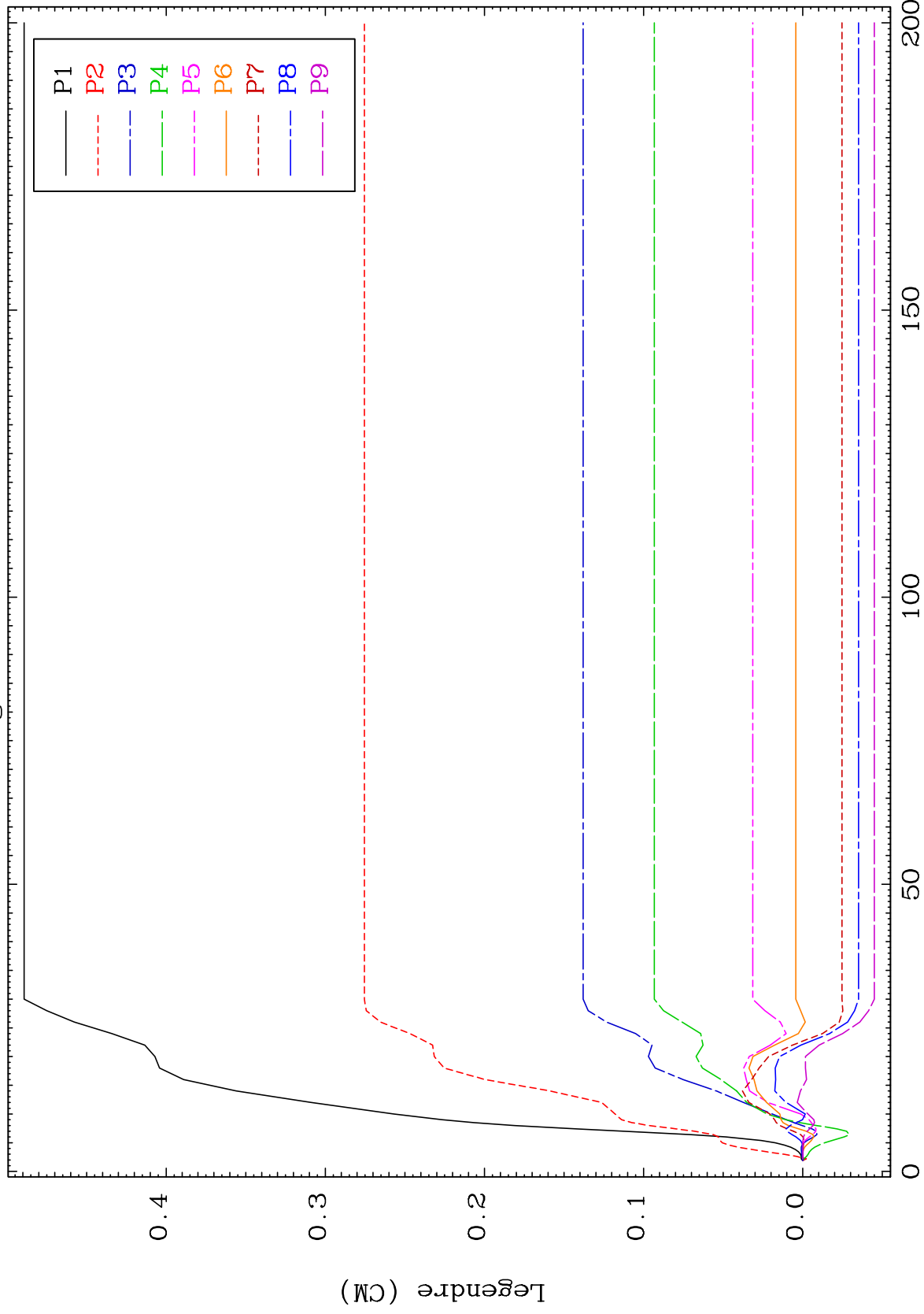
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

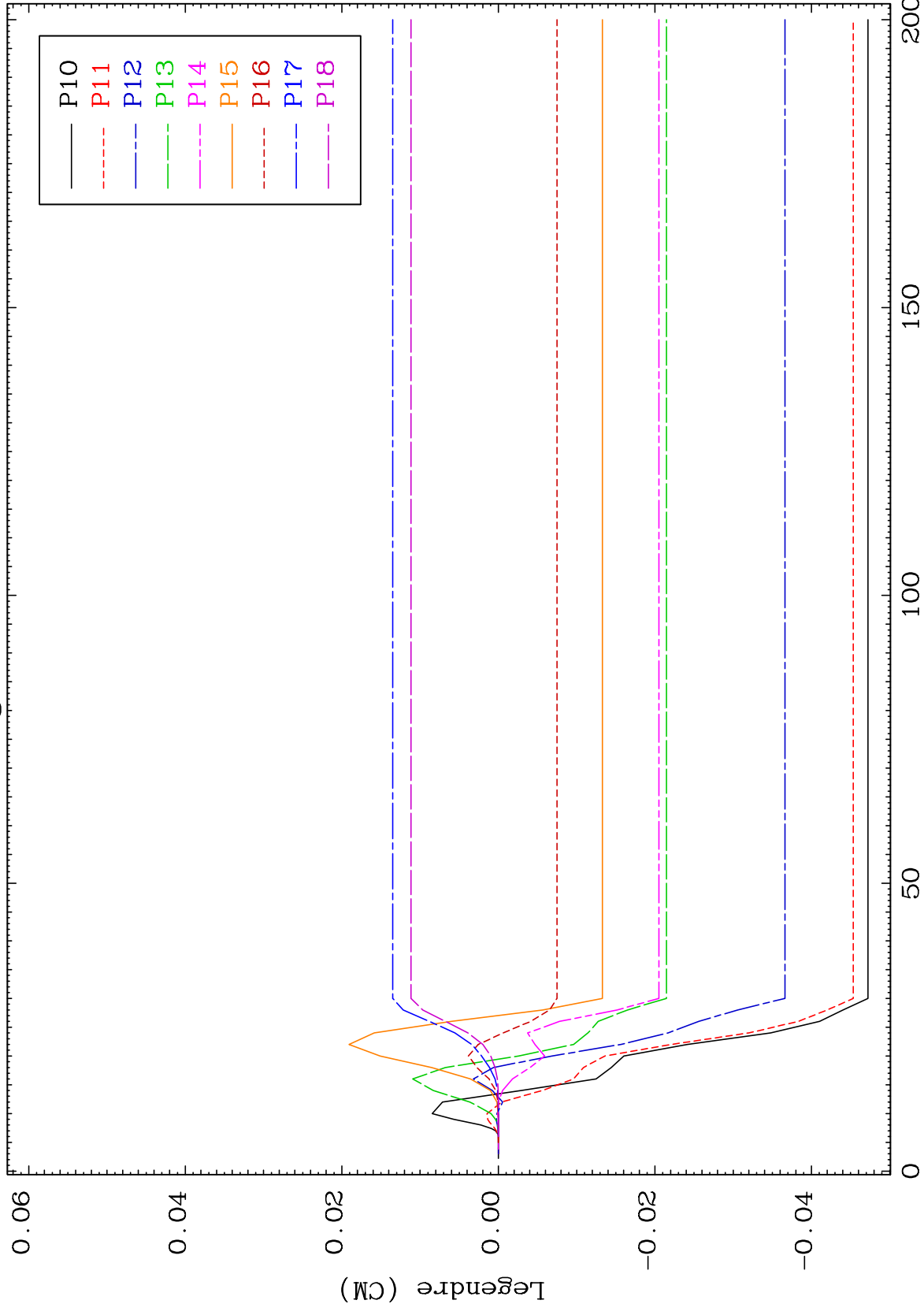
Incident Energy (MeV)

35

MAT 5449

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

54-Xe-132



36

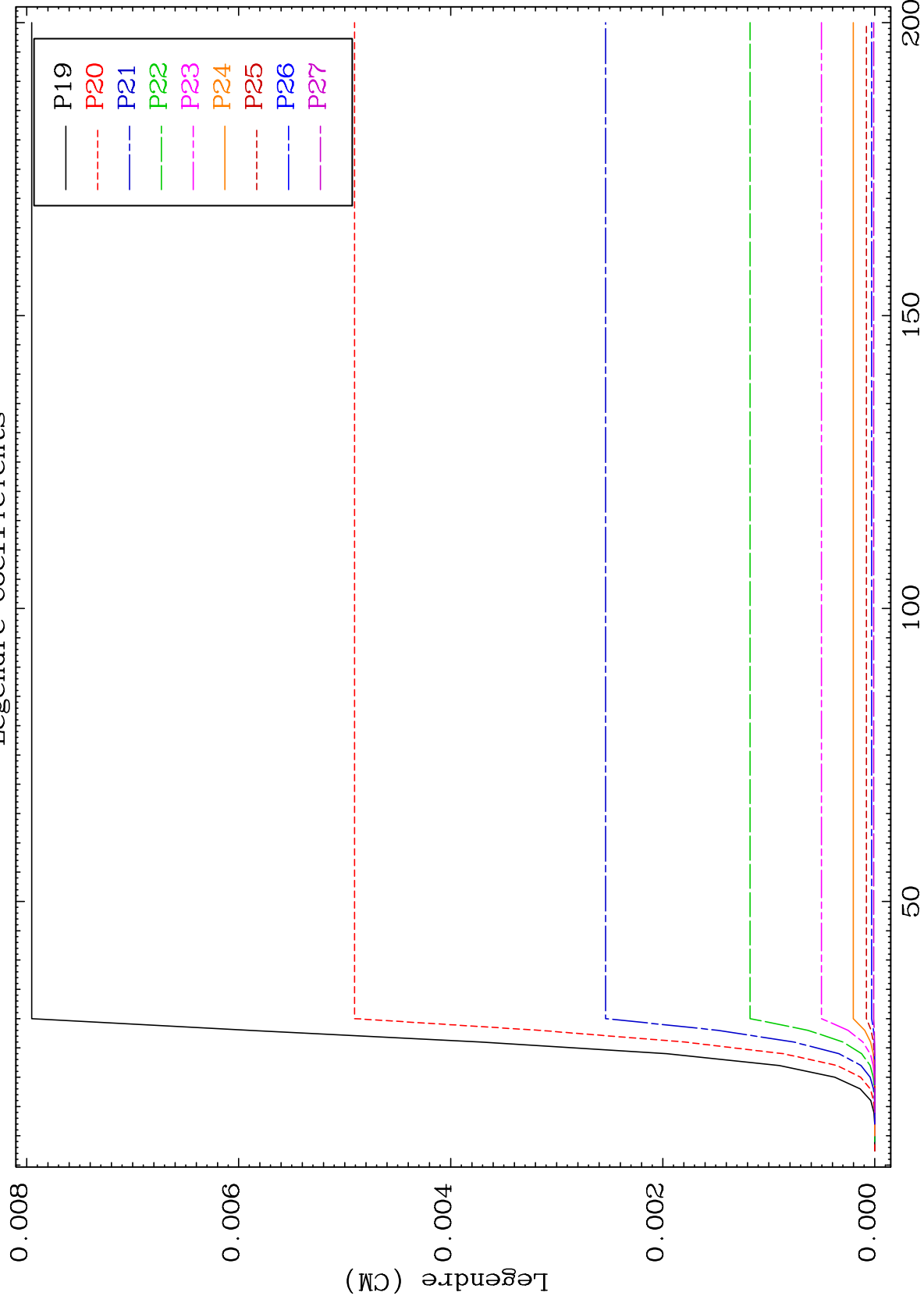
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



37

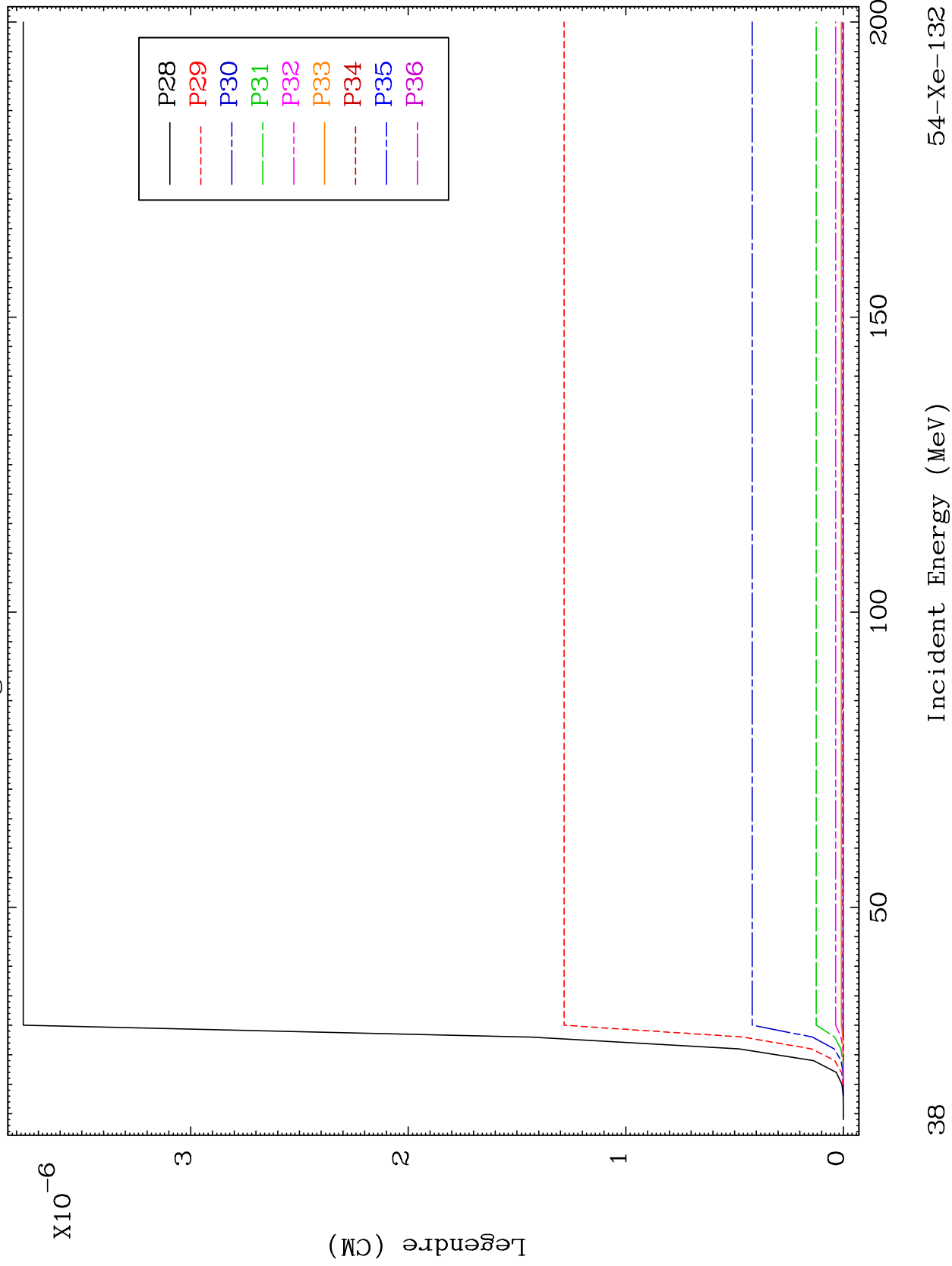
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

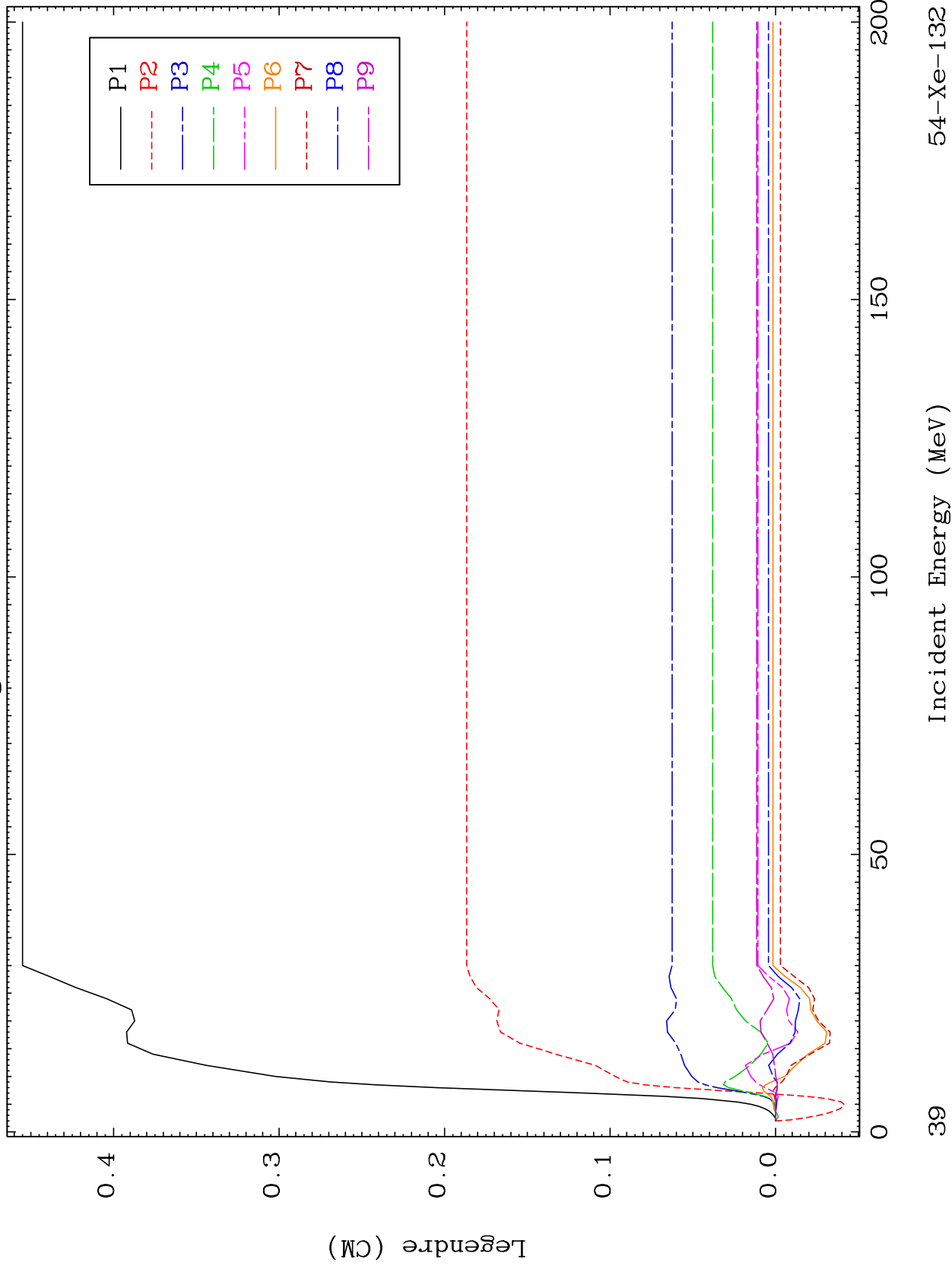
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

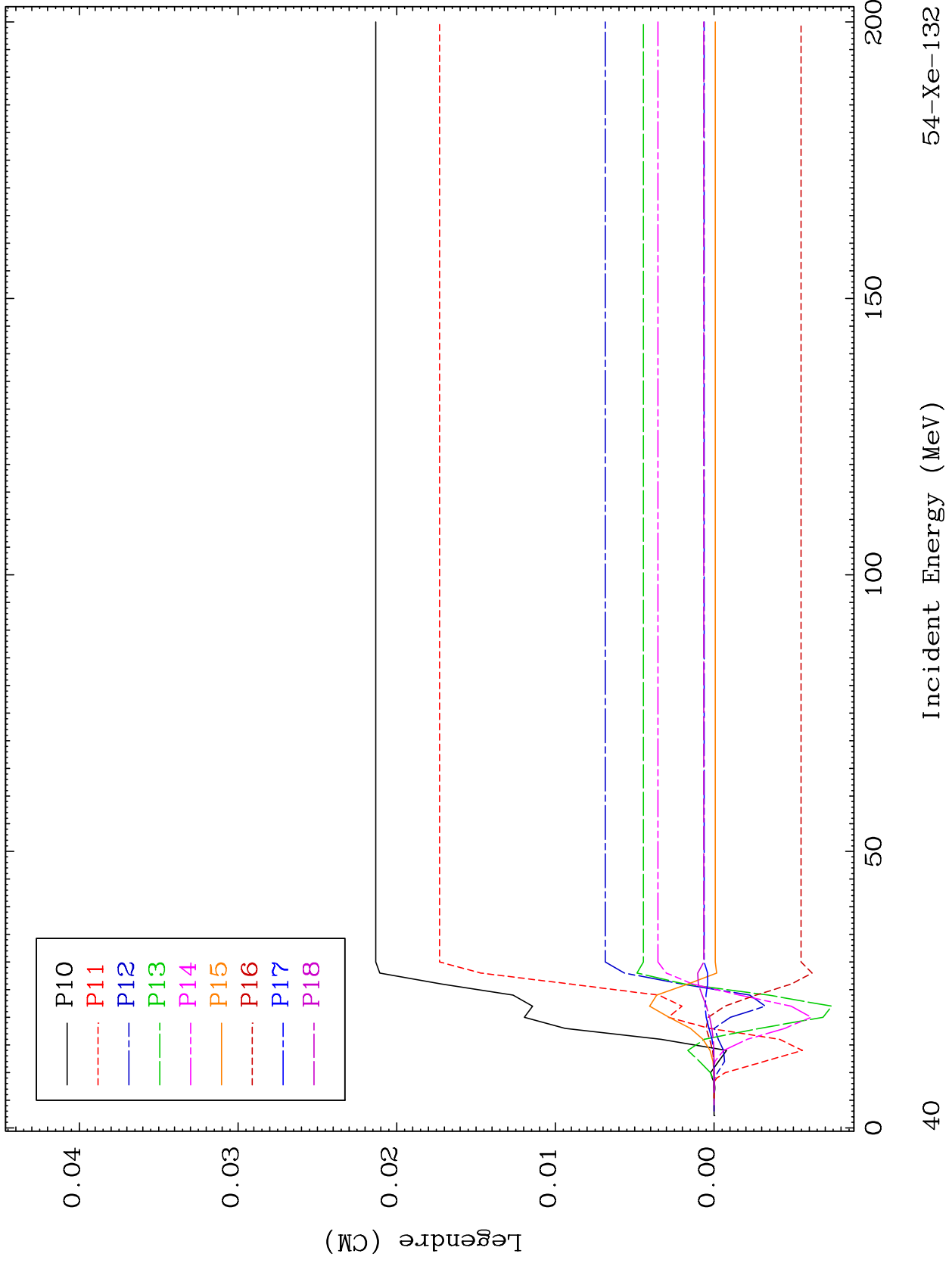
Incident Energy (MeV)

39

MAT 5449

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

54-Xe-132



54-Xe-132

Incident Energy (MeV)

40

200

150

100

50

Legendre (CM)

0.04

0.03

0.02

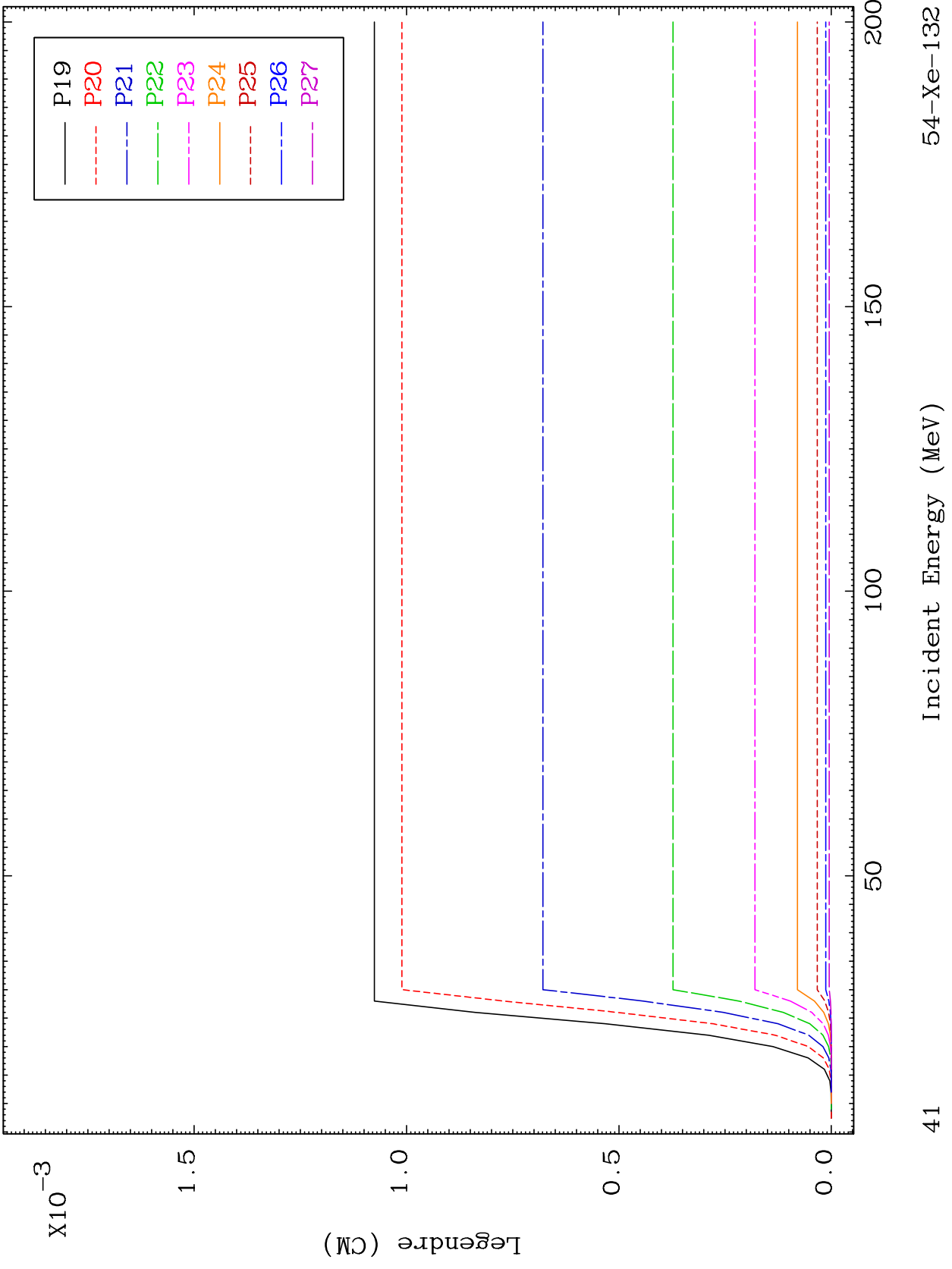
0.01

0.00

MAT 5449

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

54-Xe-132



41

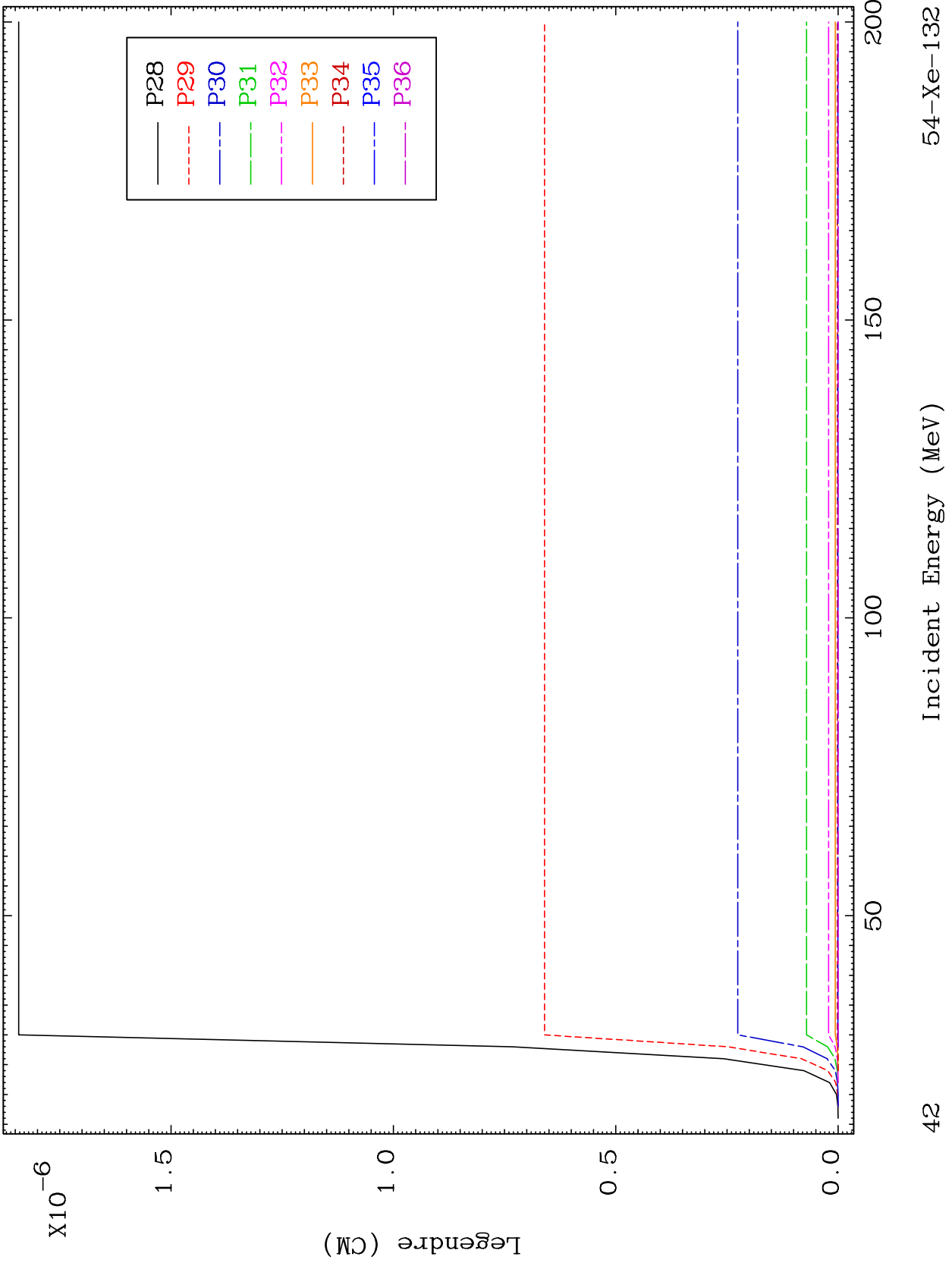
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

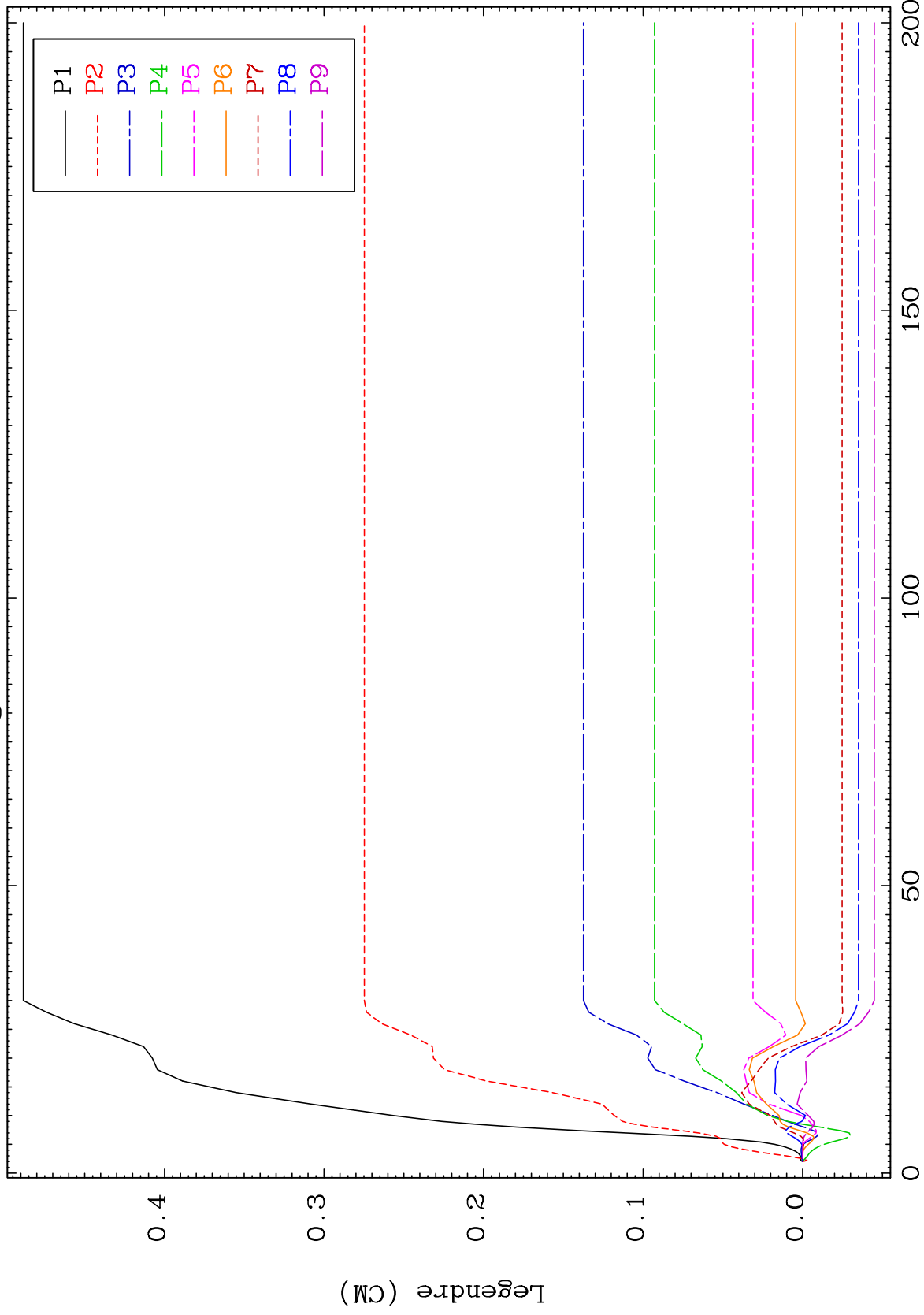
54-Xe-132



MAT 5449

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

54-Xe-132



43

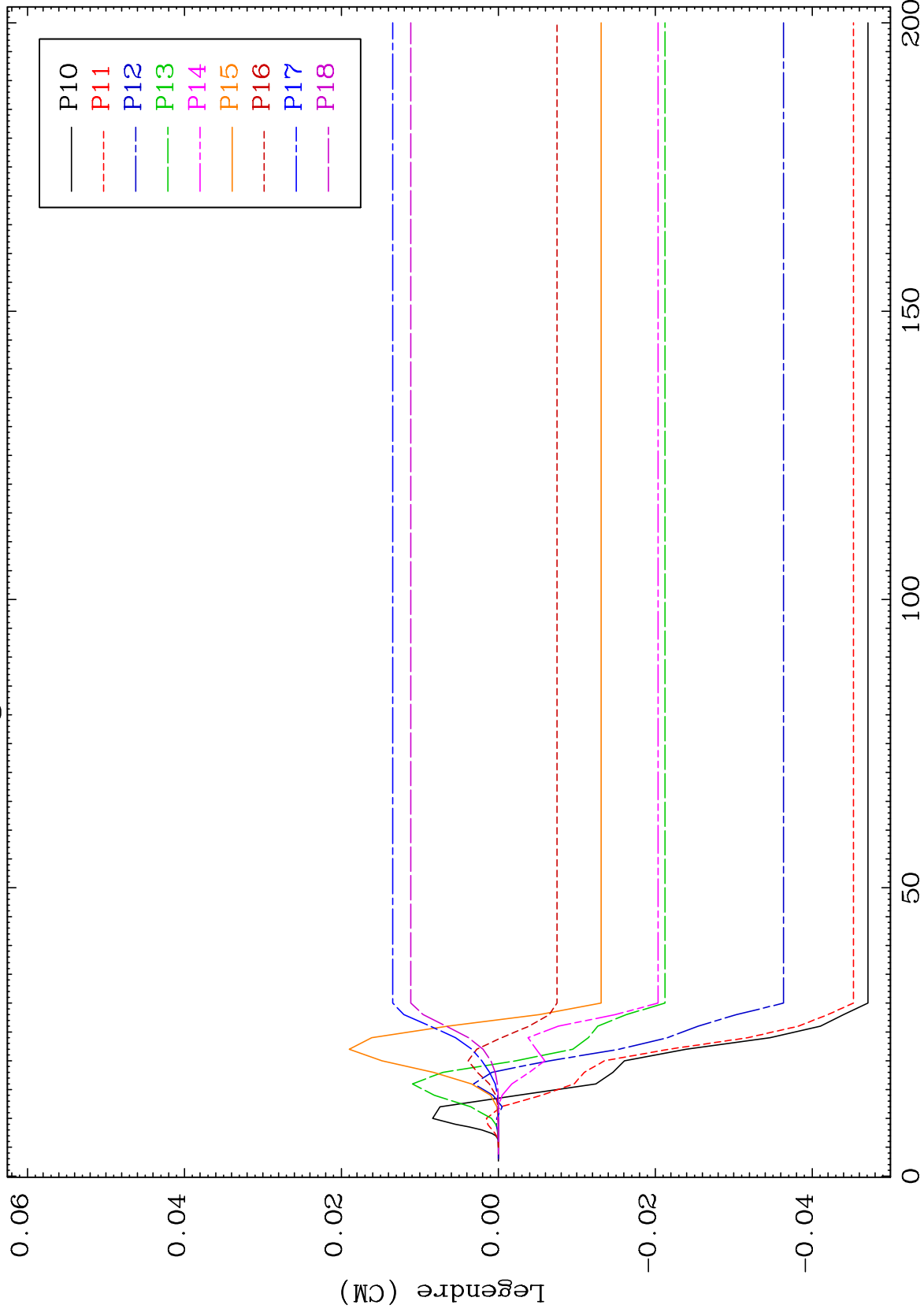
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



44

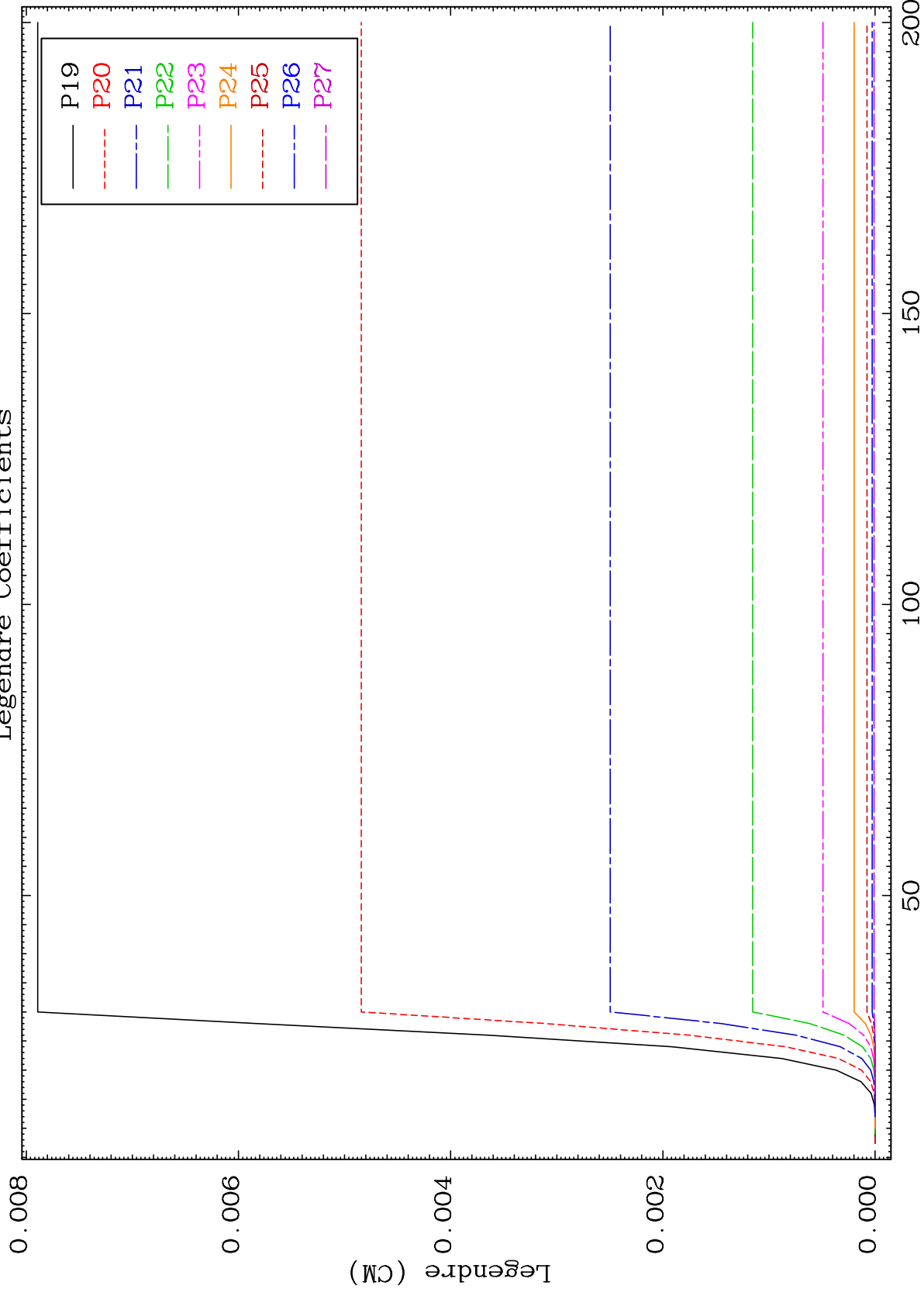
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



45

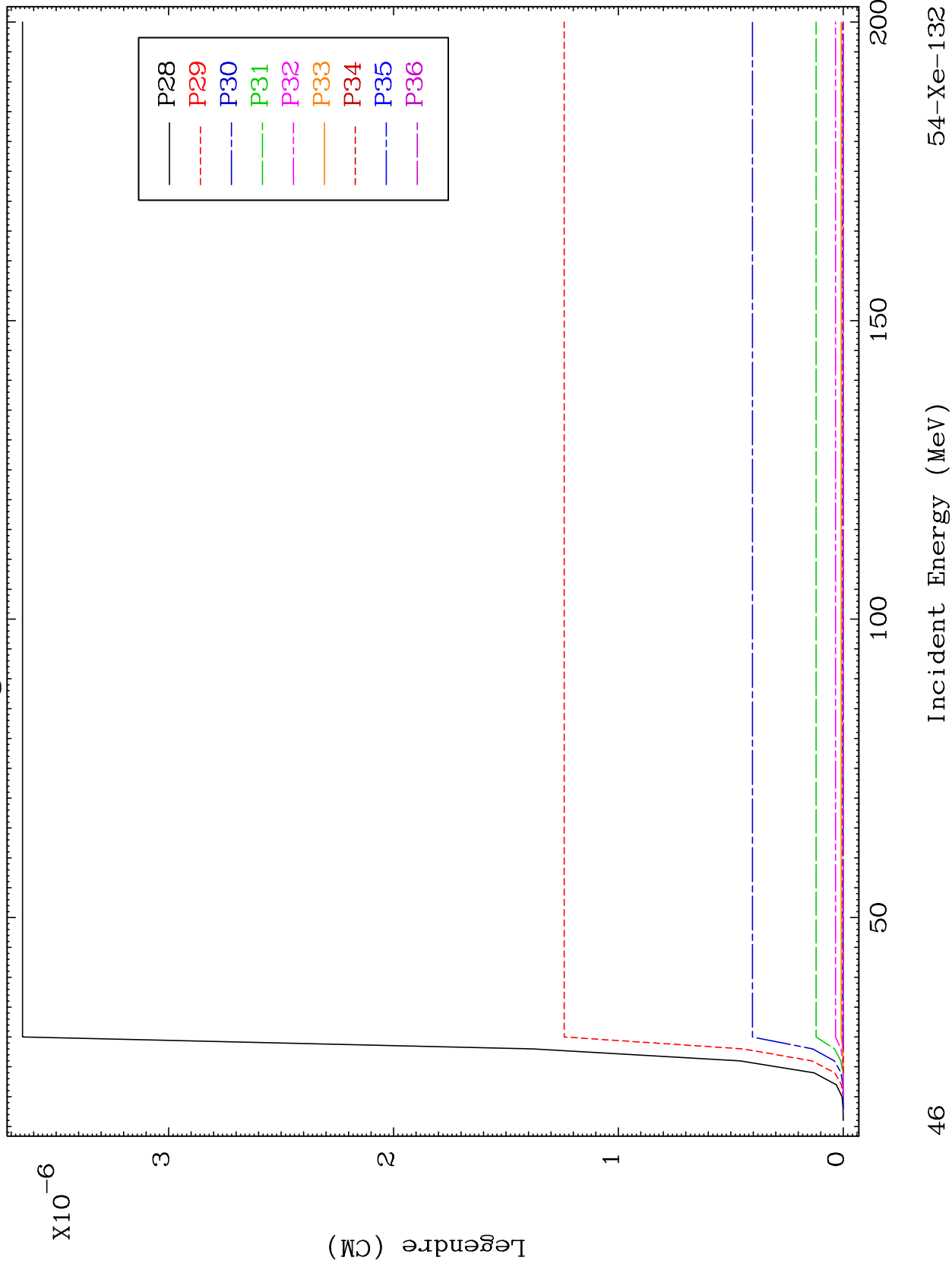
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



46

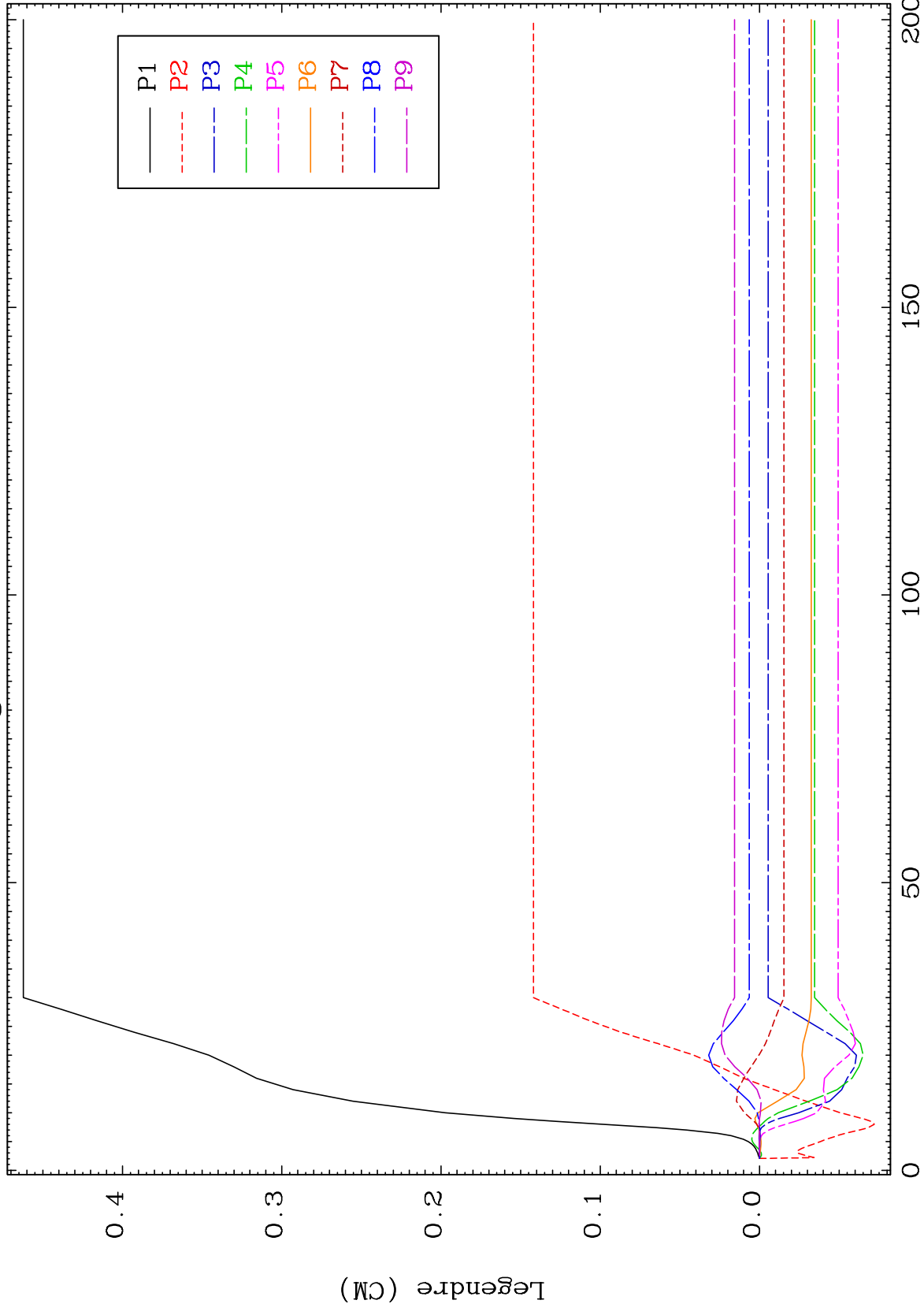
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



47

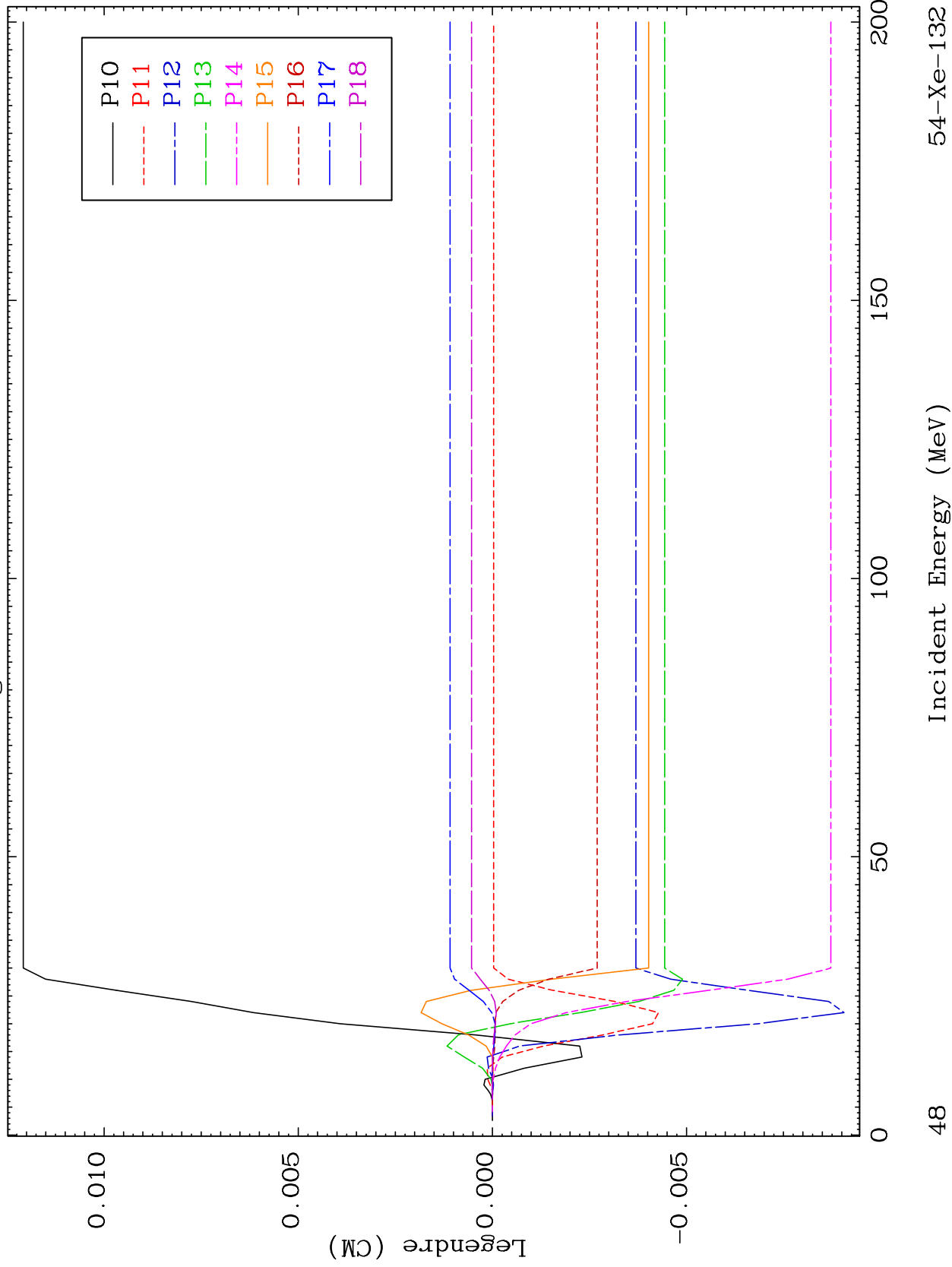
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



48

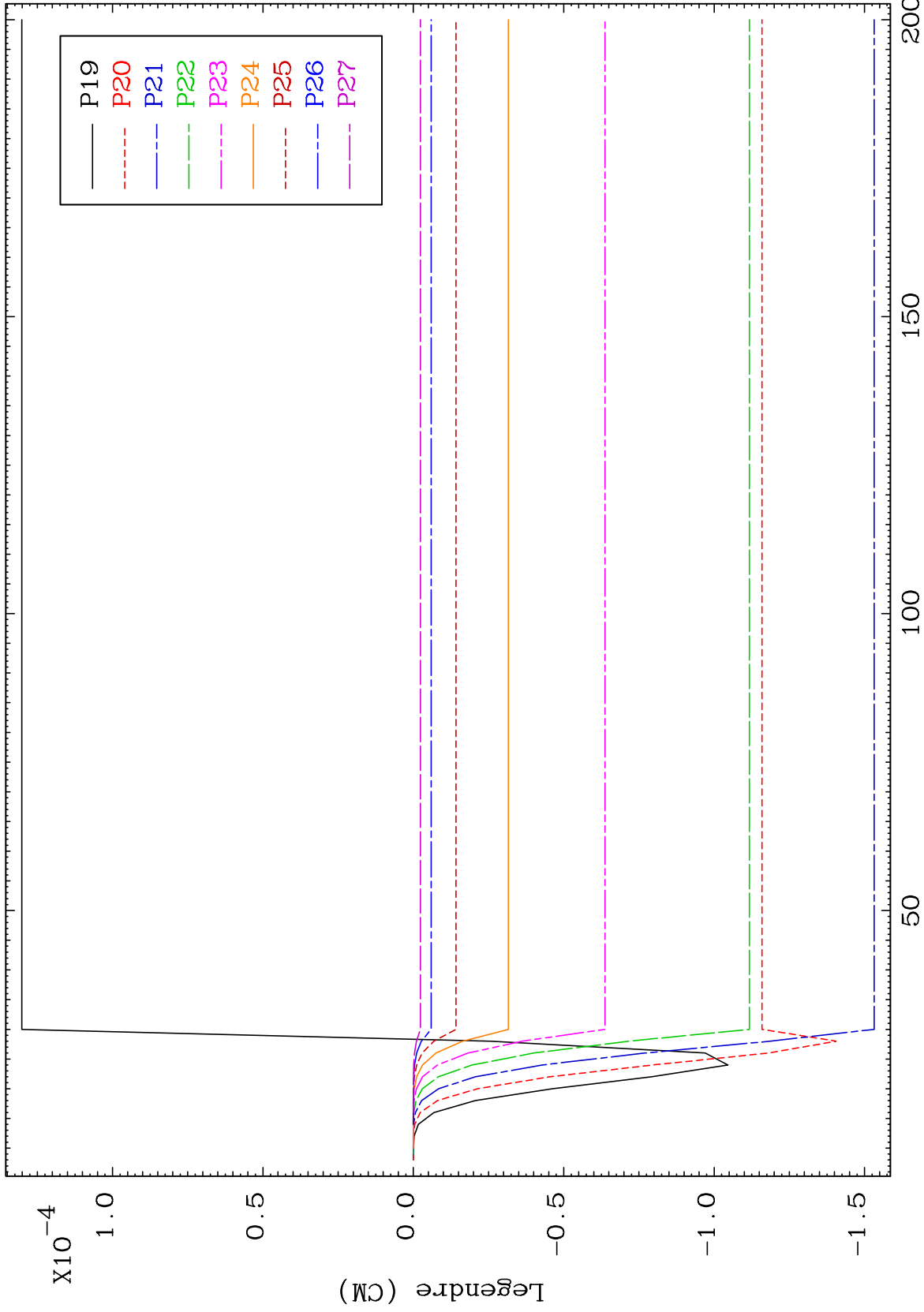
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

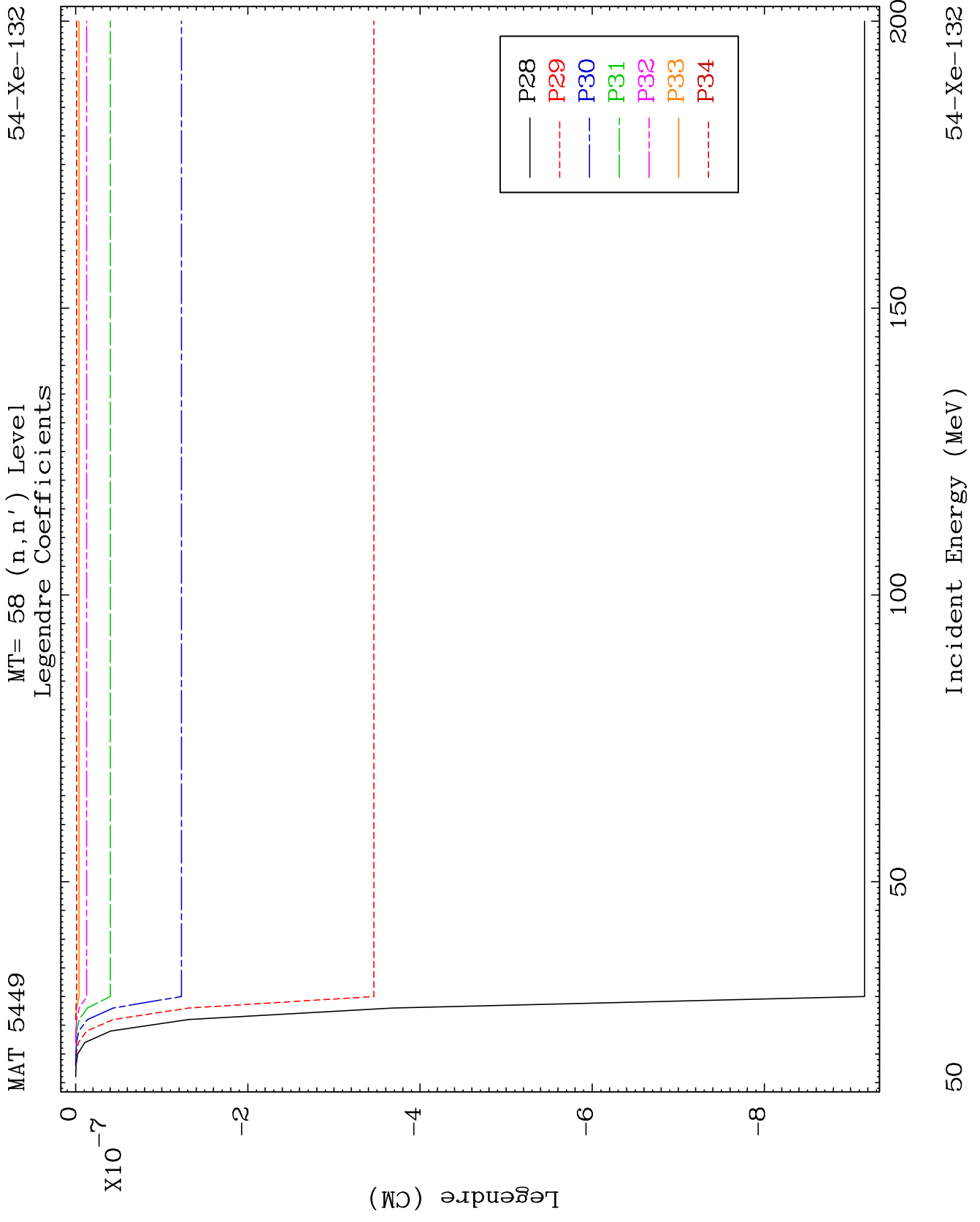
54-Xe-132



49

Incident Energy (MeV)

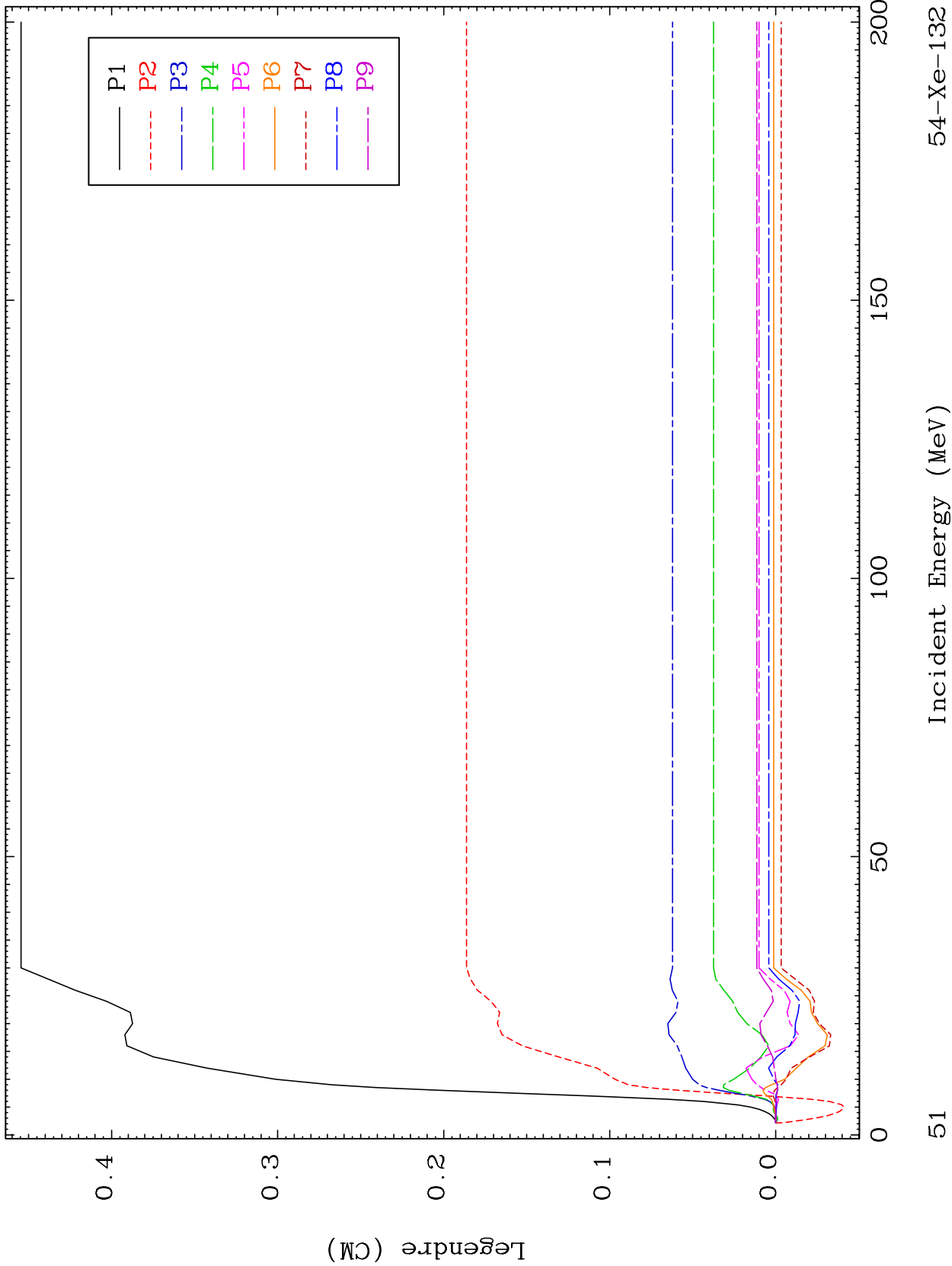
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

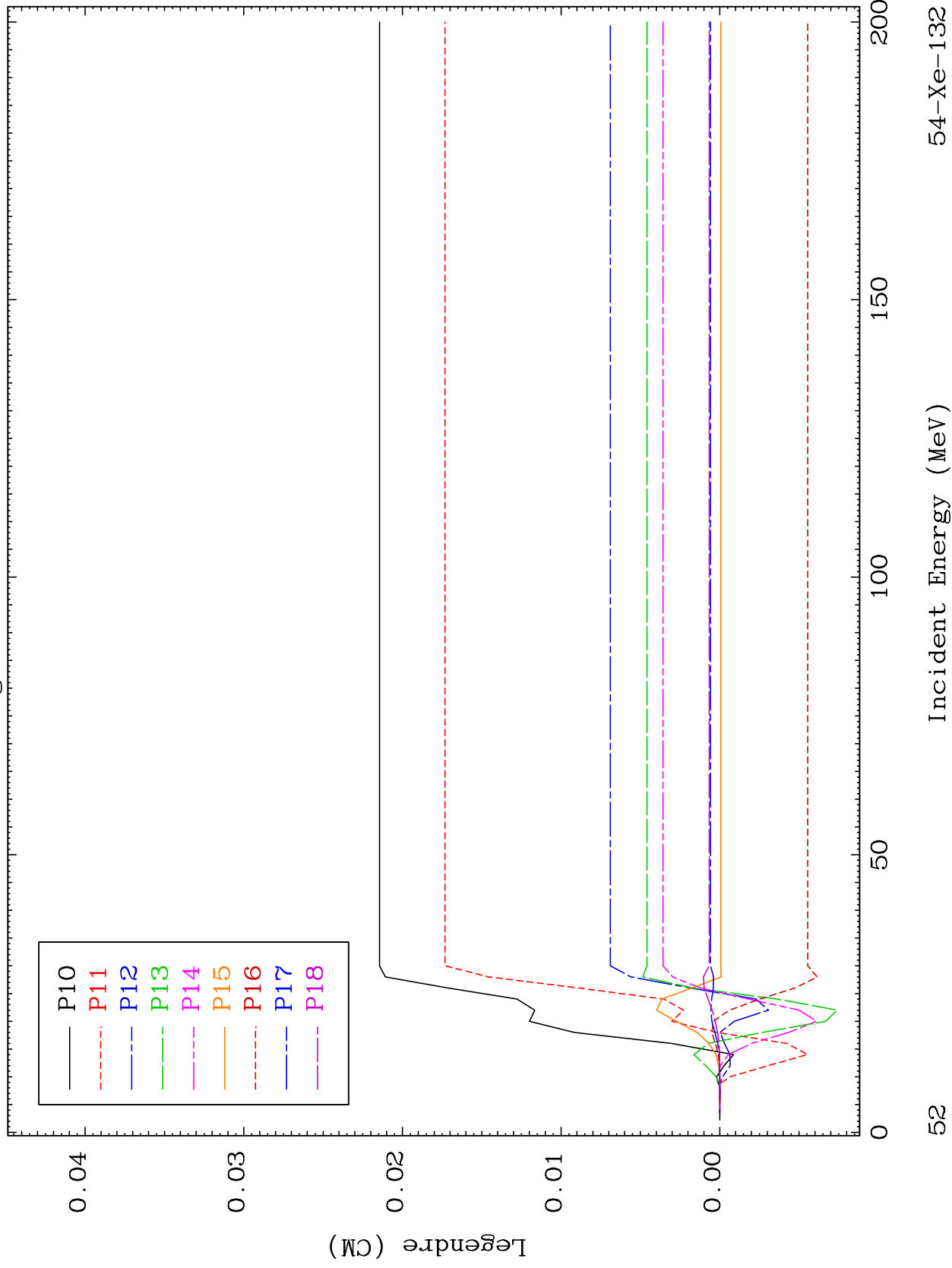
Incident Energy (MeV)

51

MAT 5449

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

54-Xe-132



54-Xe-132

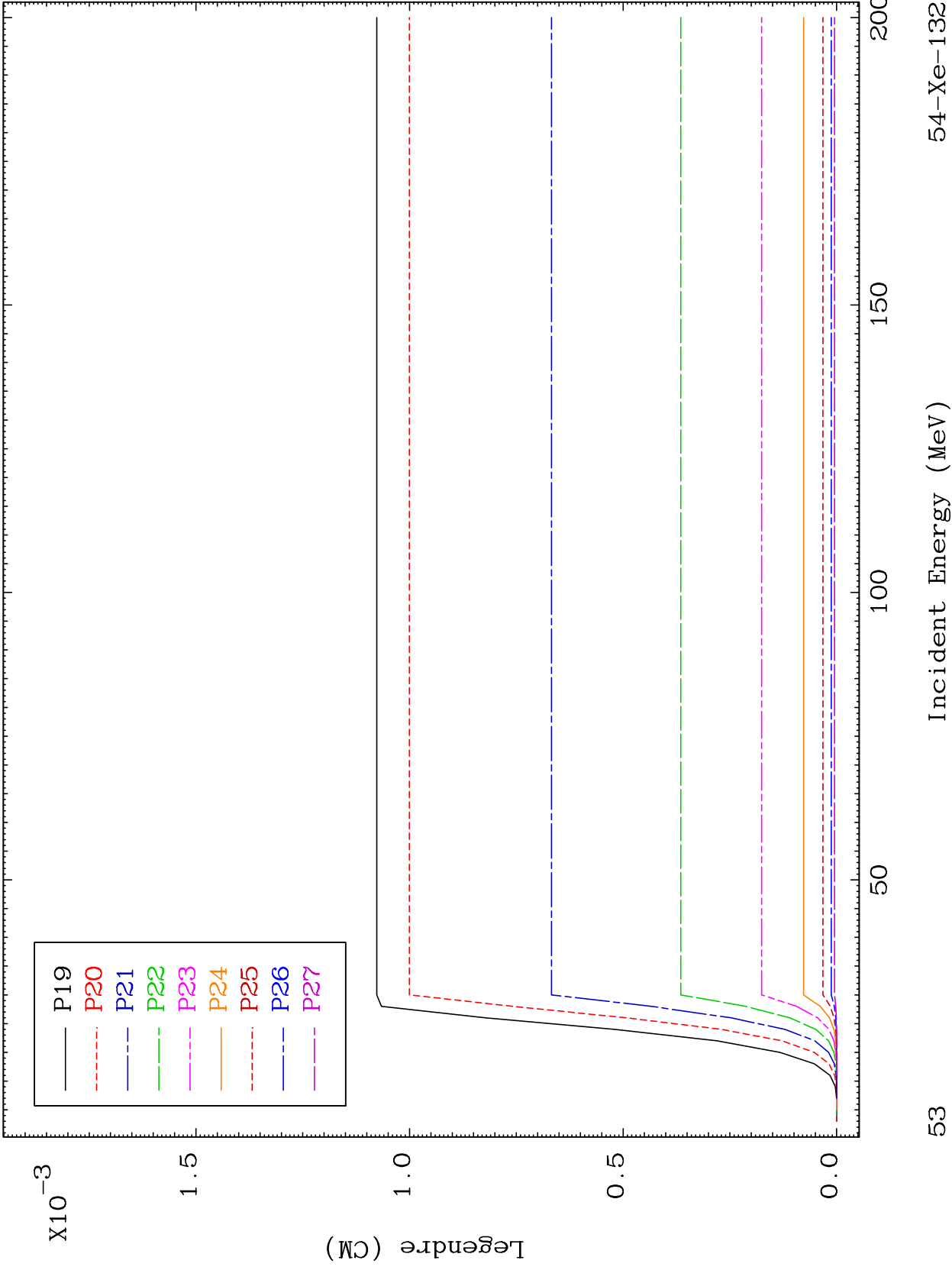
Incident Energy (MeV)

52

MAT 5449

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

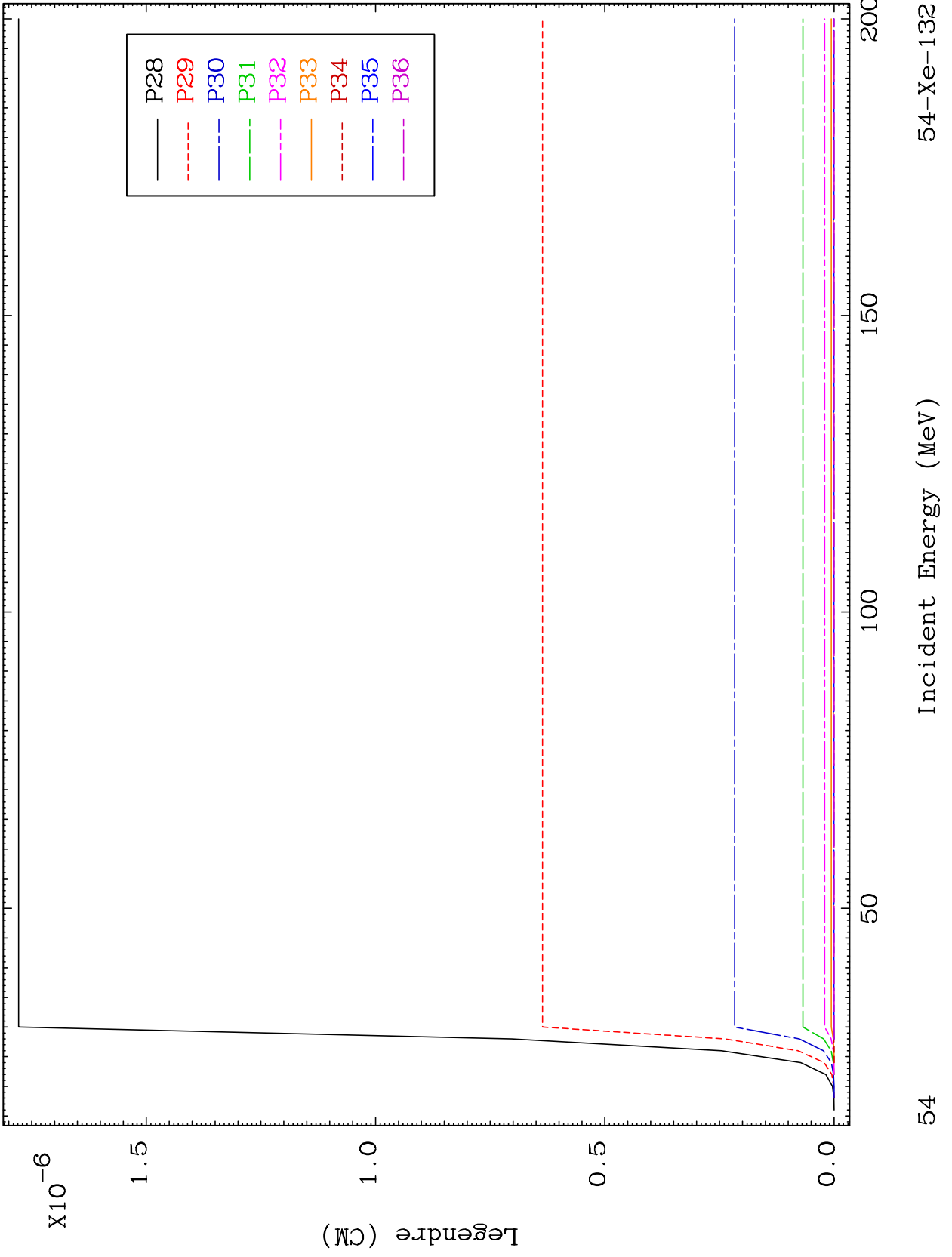
54-Xe-132



MAT 5449

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

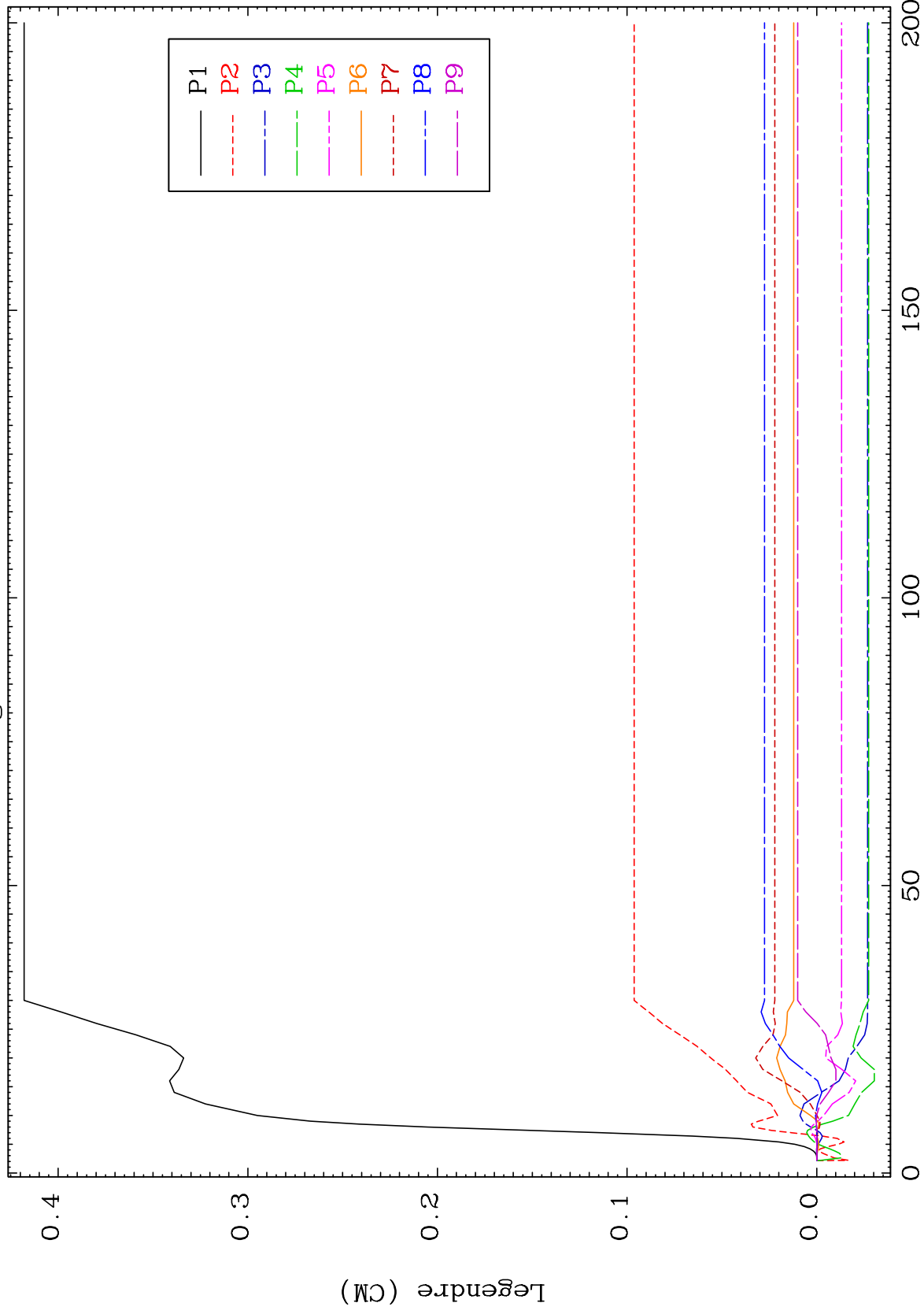
54-Xe-132



MAT 5449

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

54-Xe-132



55

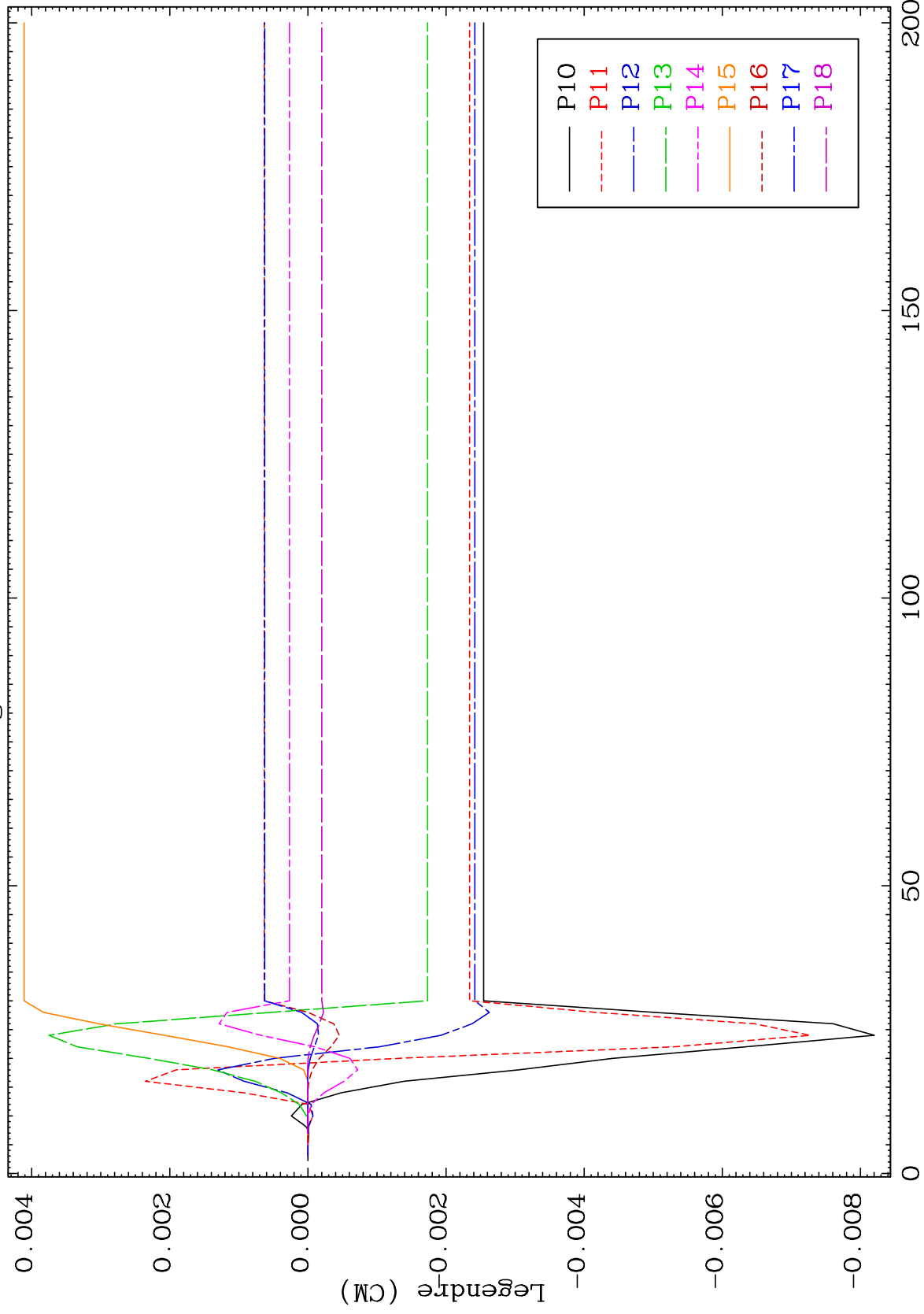
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



56

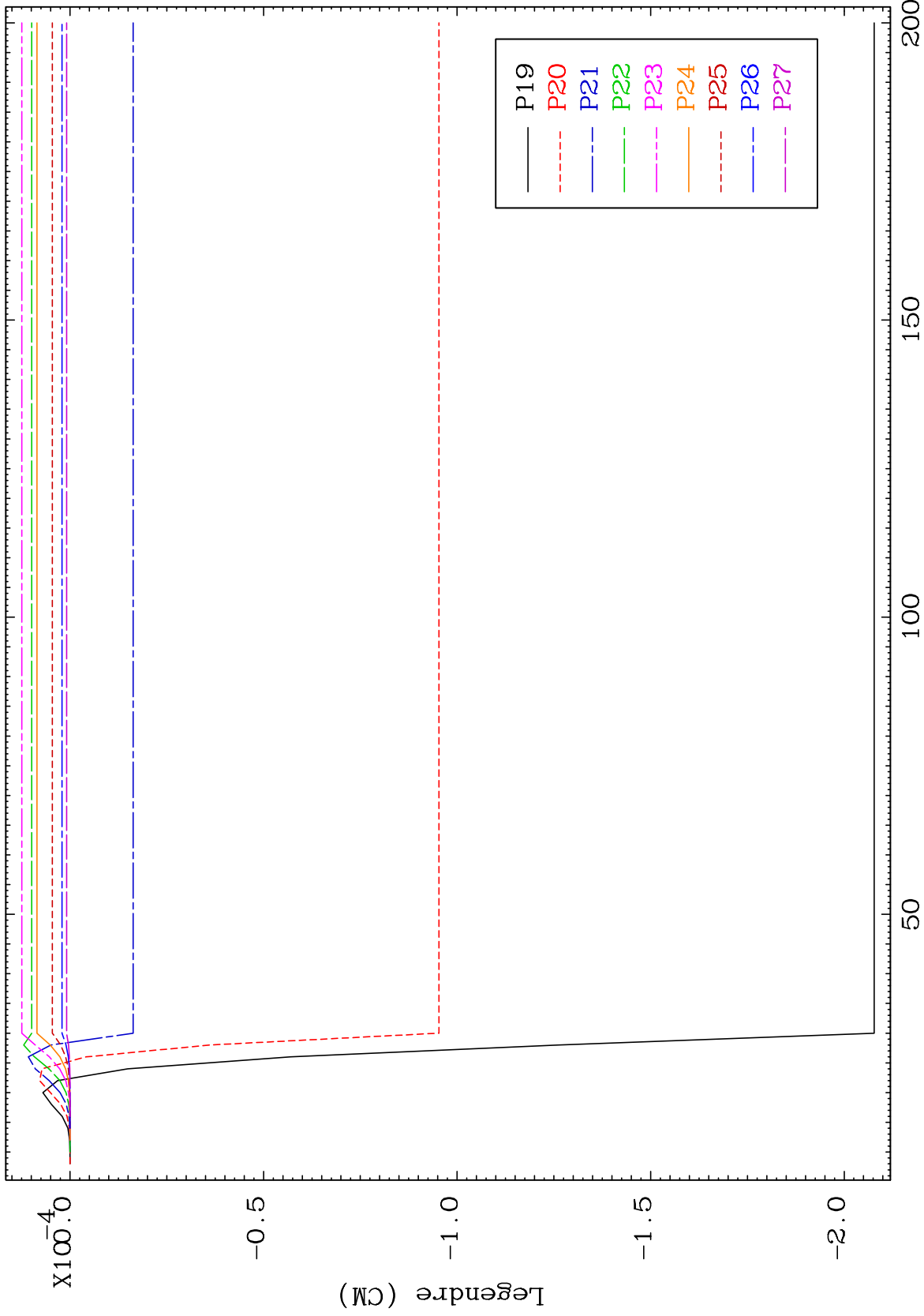
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



57

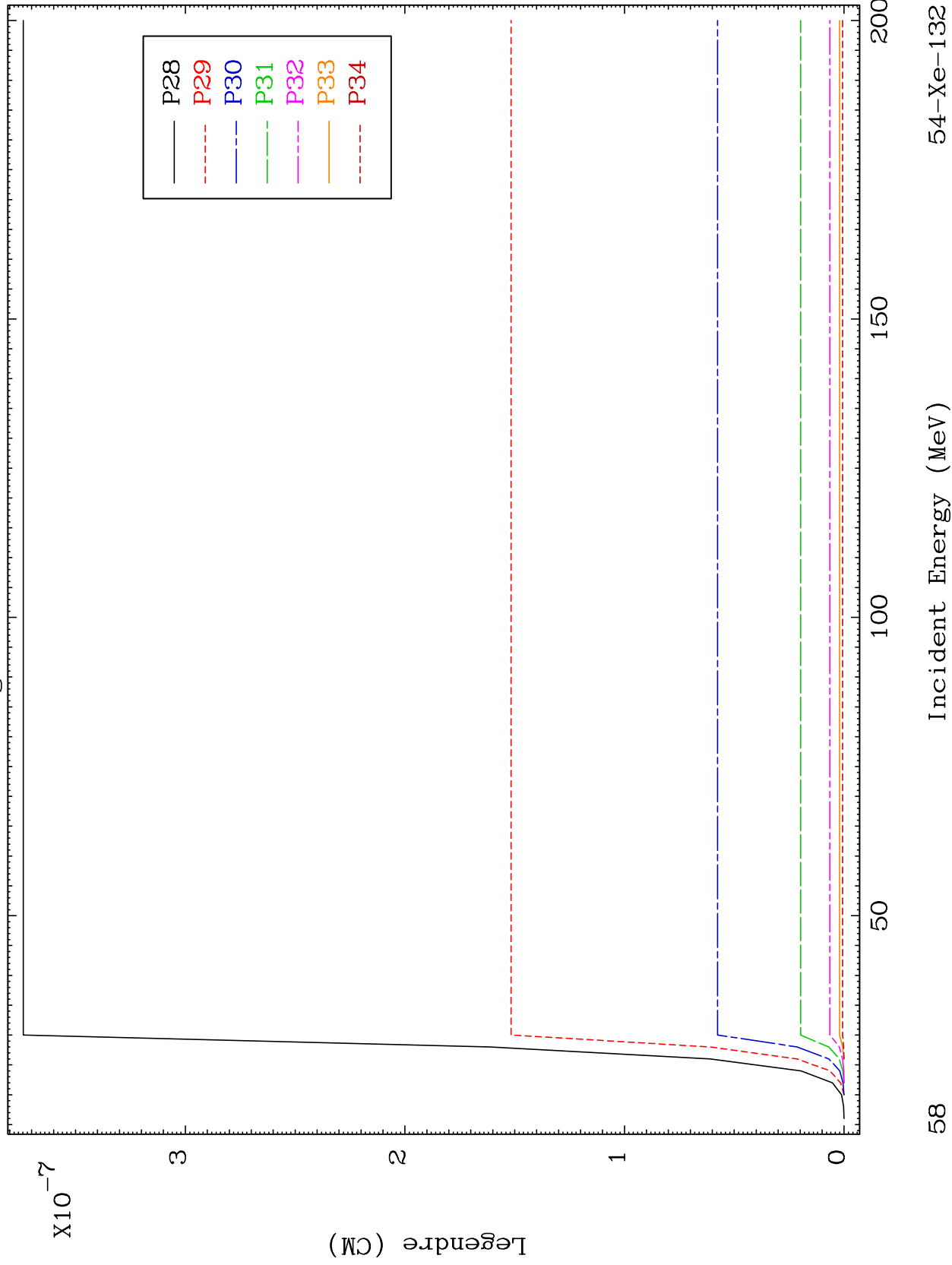
Incident Energy (MeV)

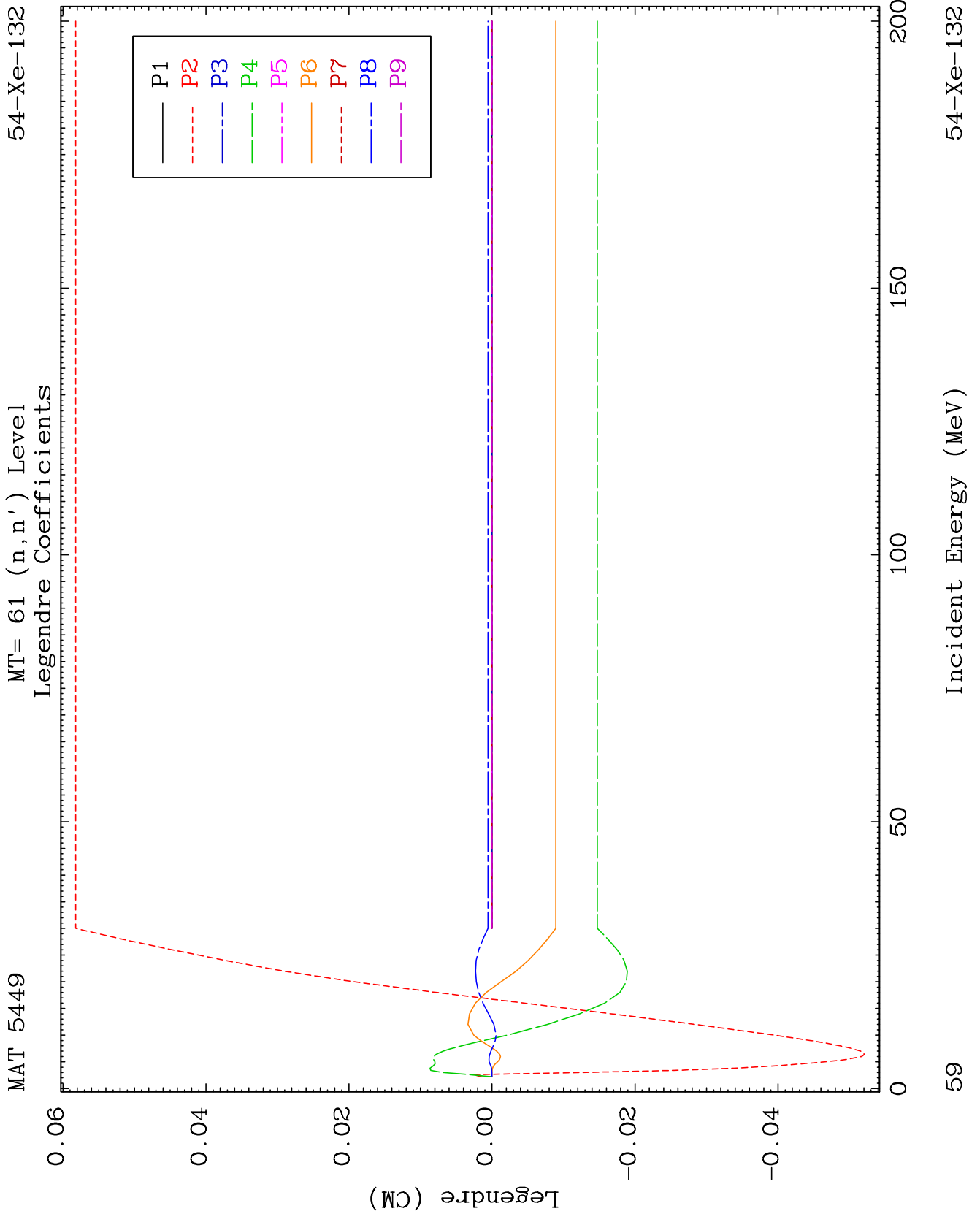
54-Xe-132

MAT 5449

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

54-Xe-132

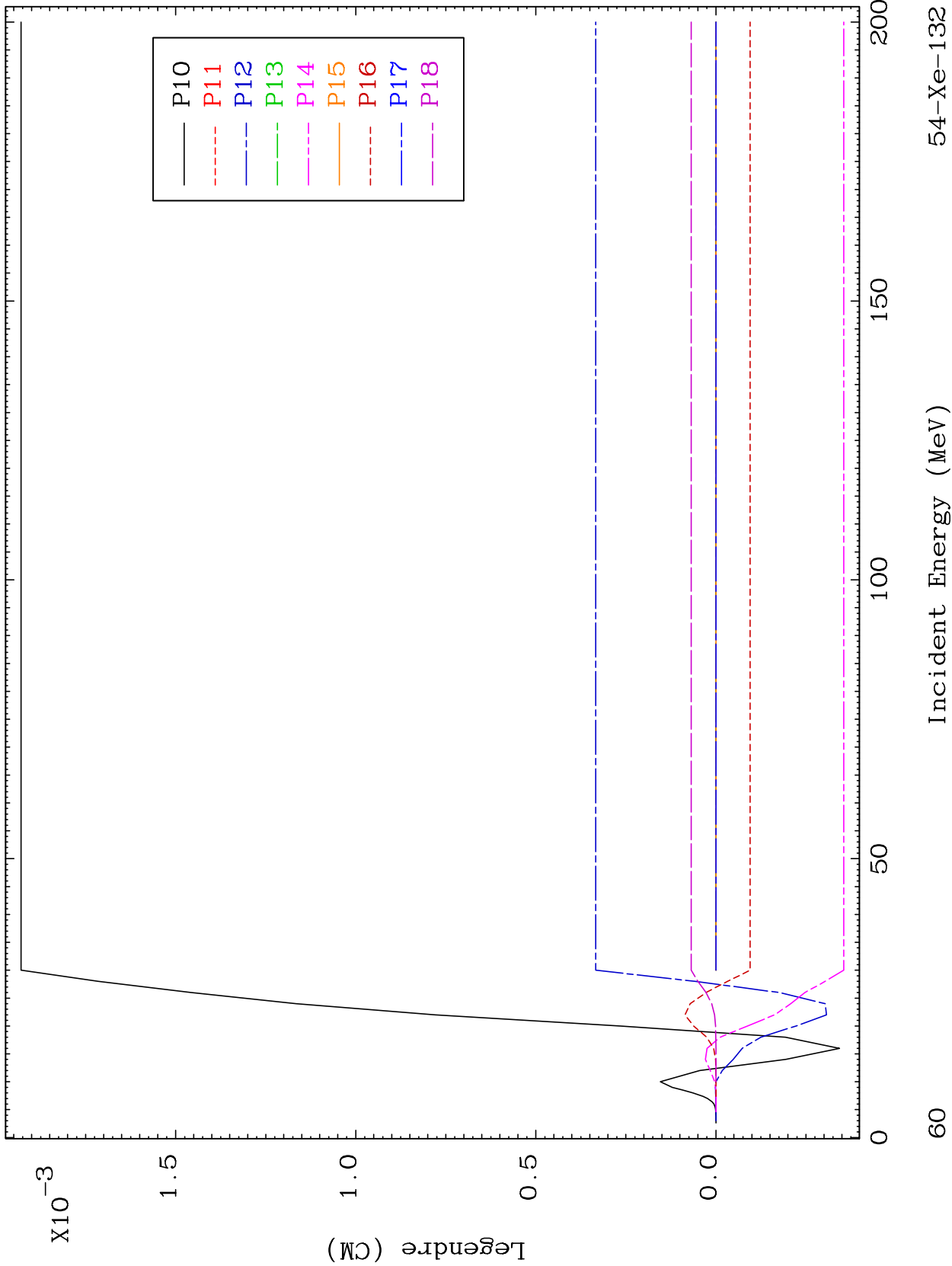




MAT 5449

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

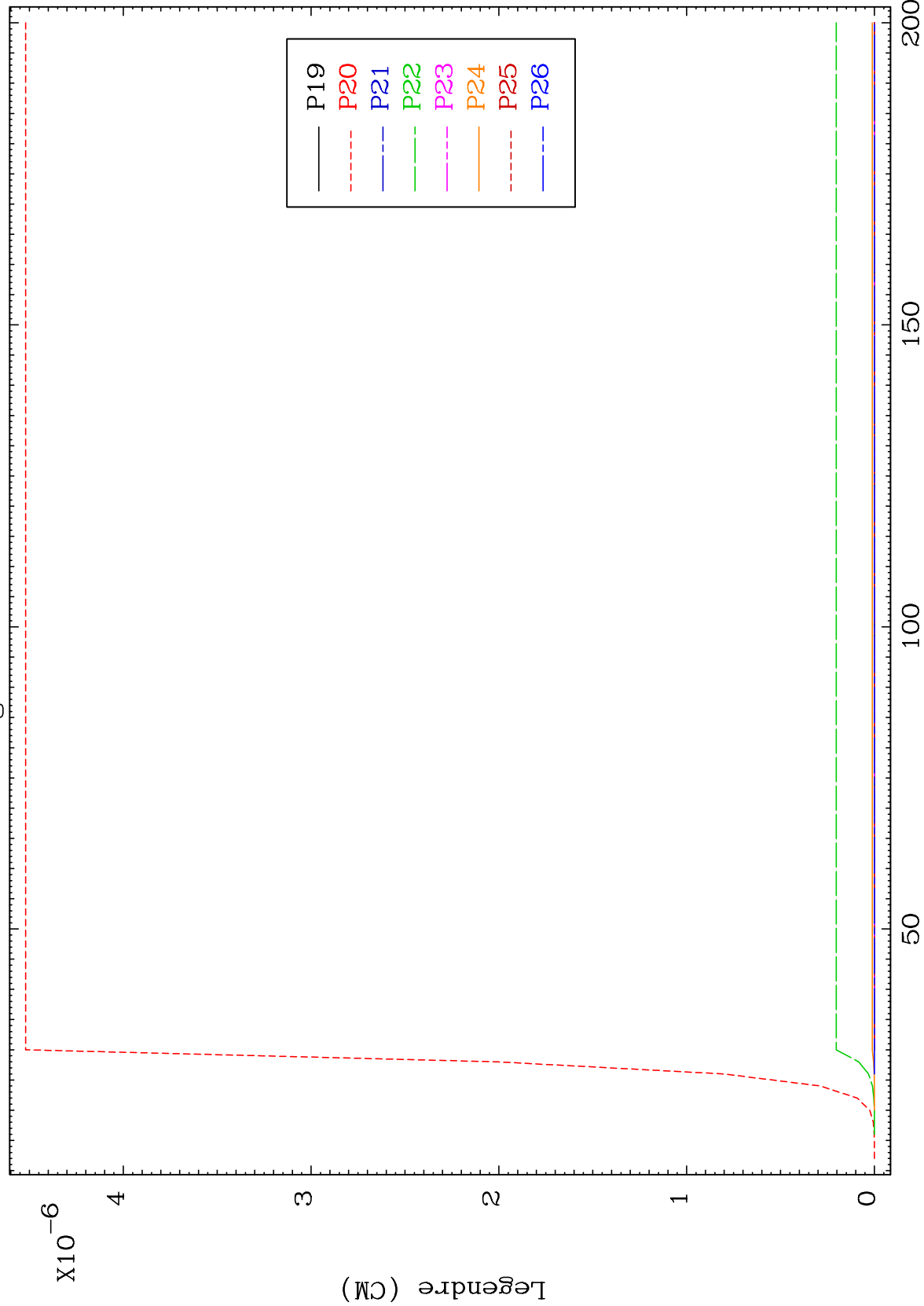
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

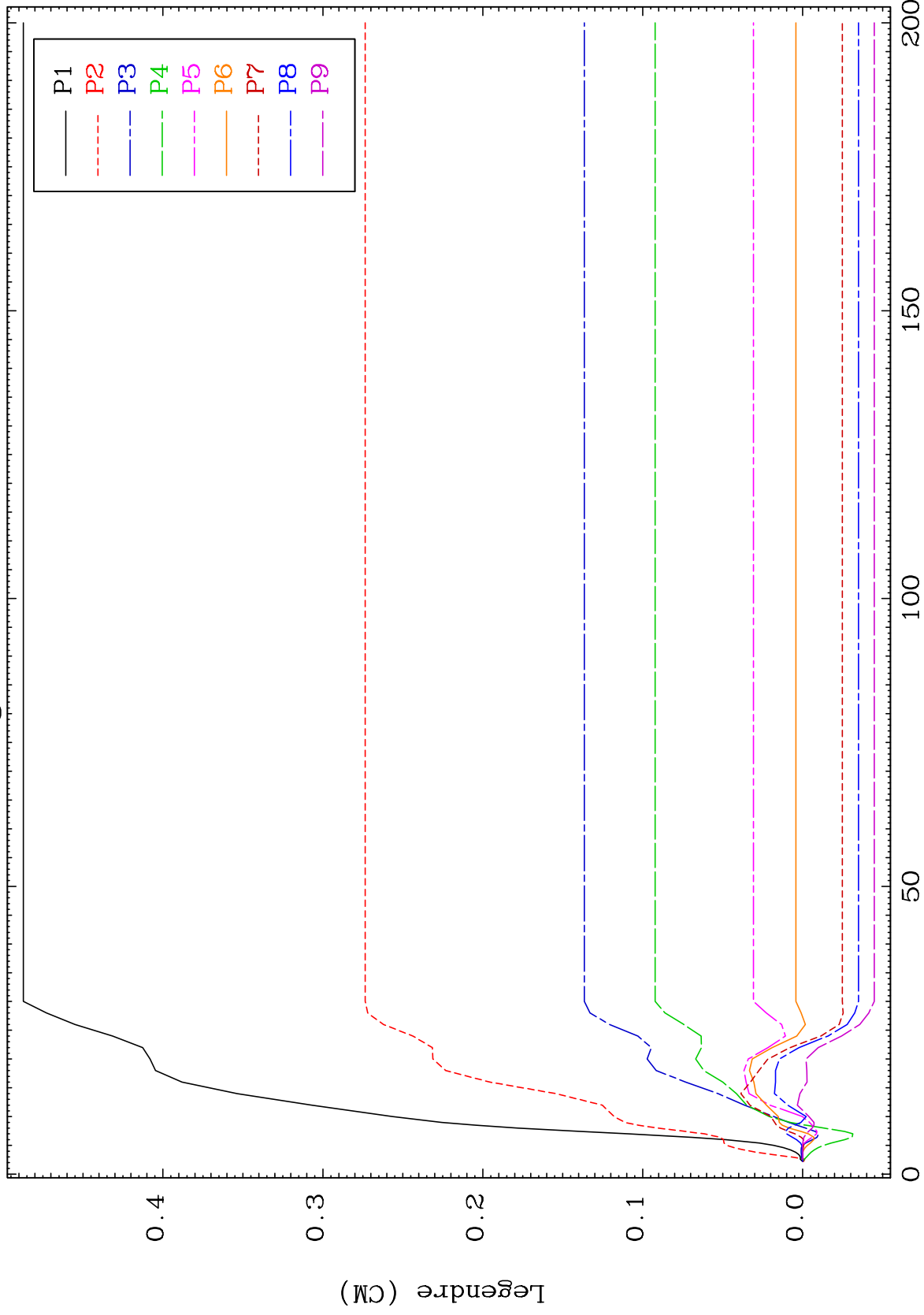
Incident Energy (MeV)

61

MAT 5449

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

54-Xe-132



62

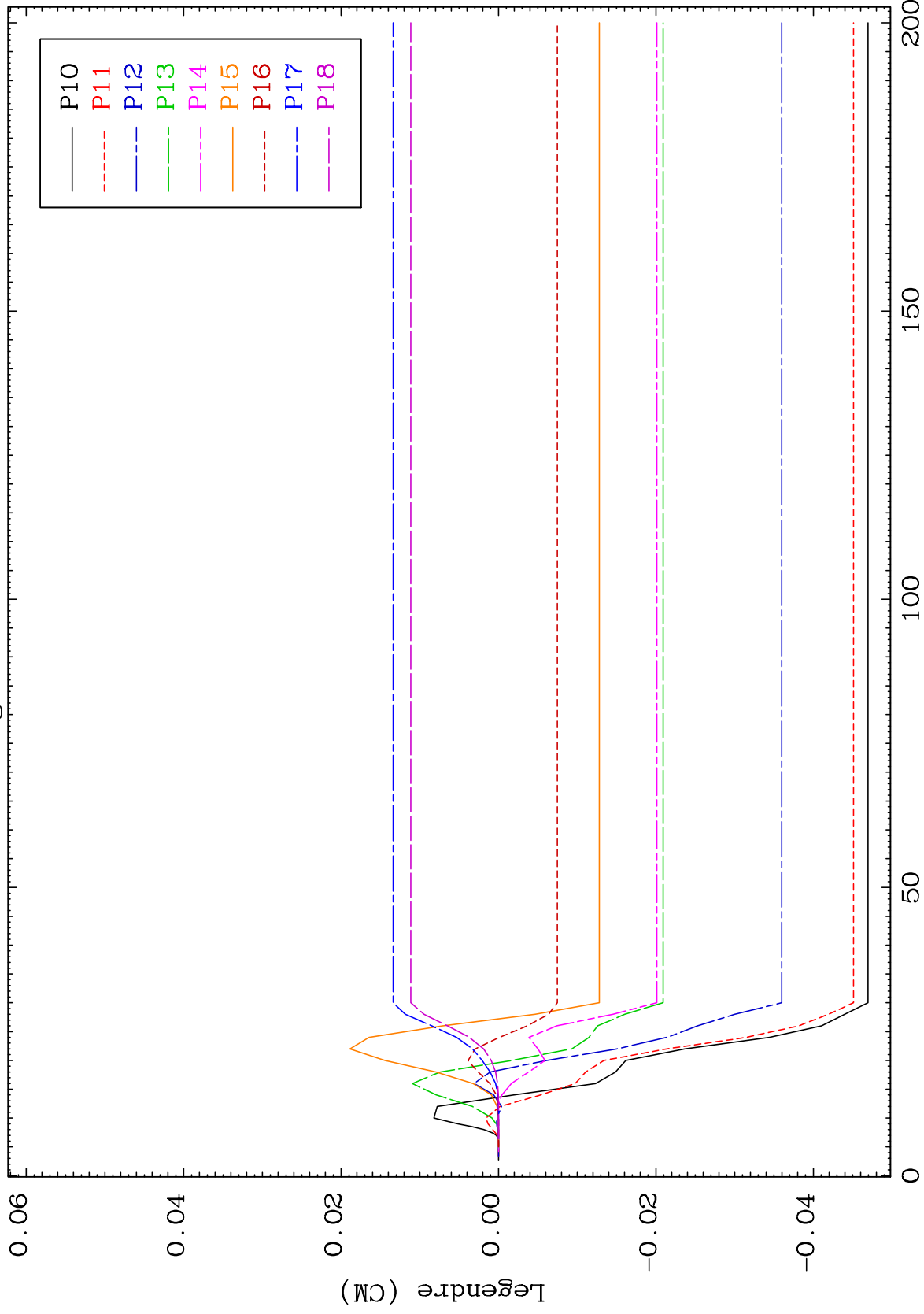
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



63

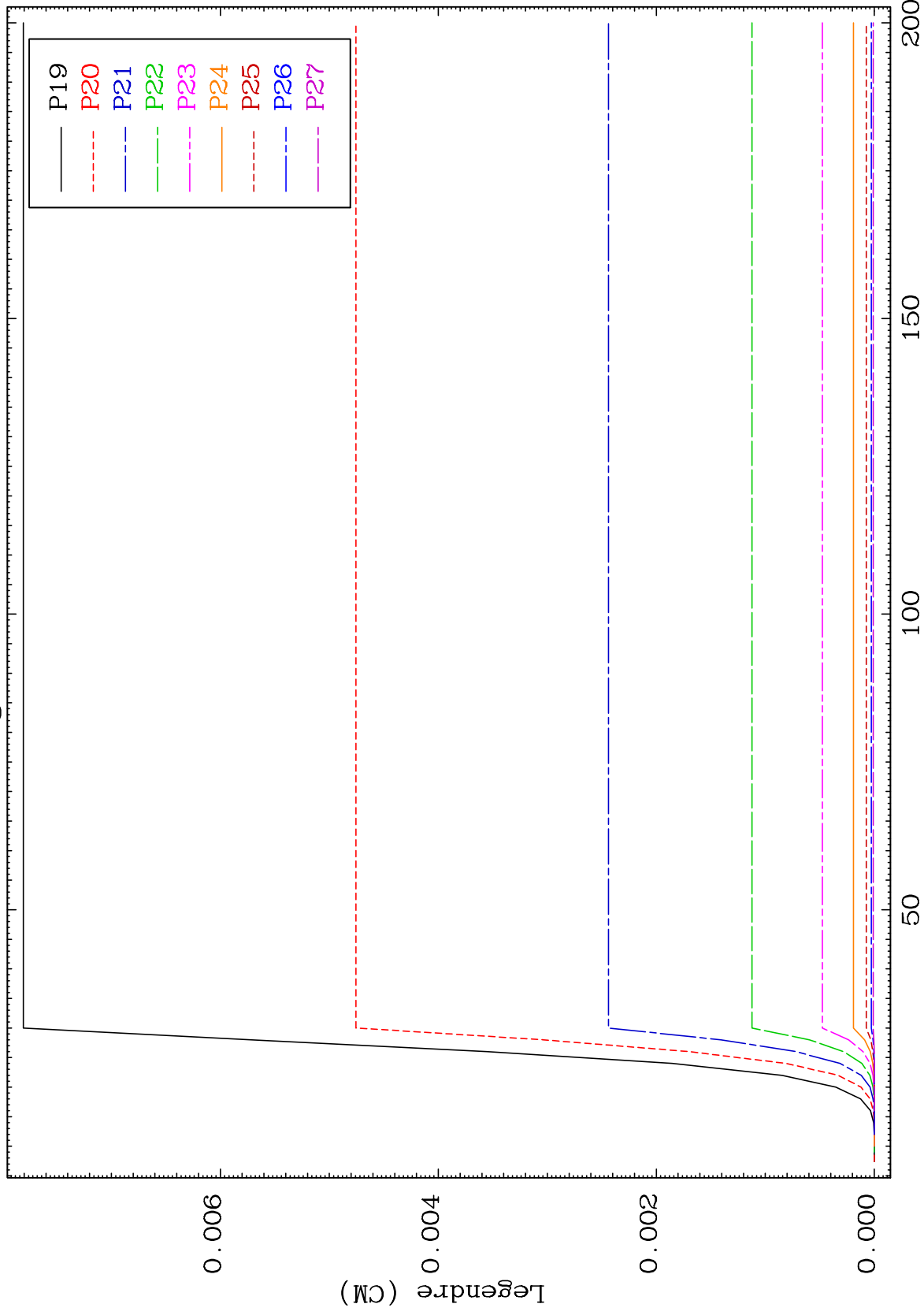
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



64

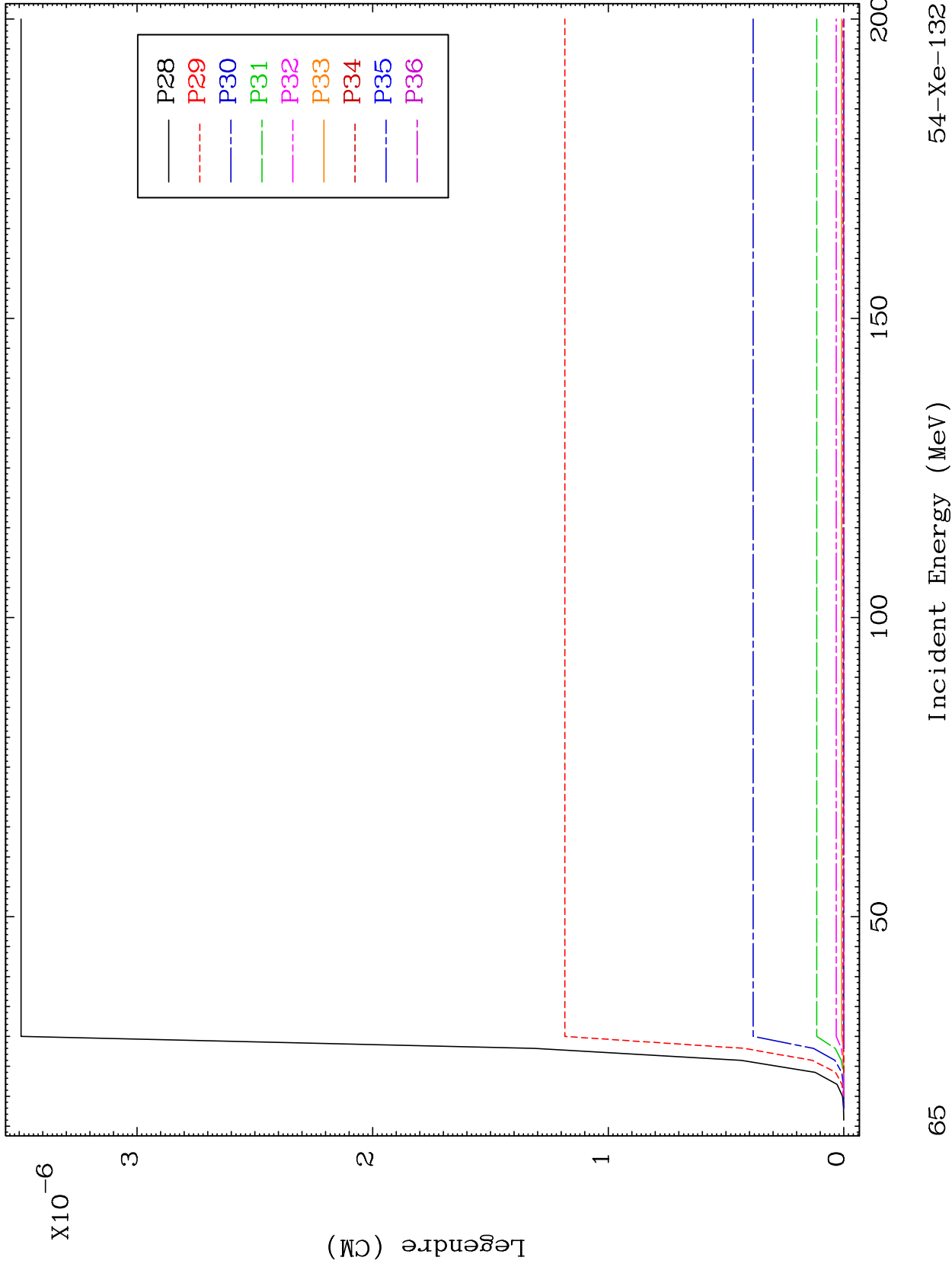
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



65

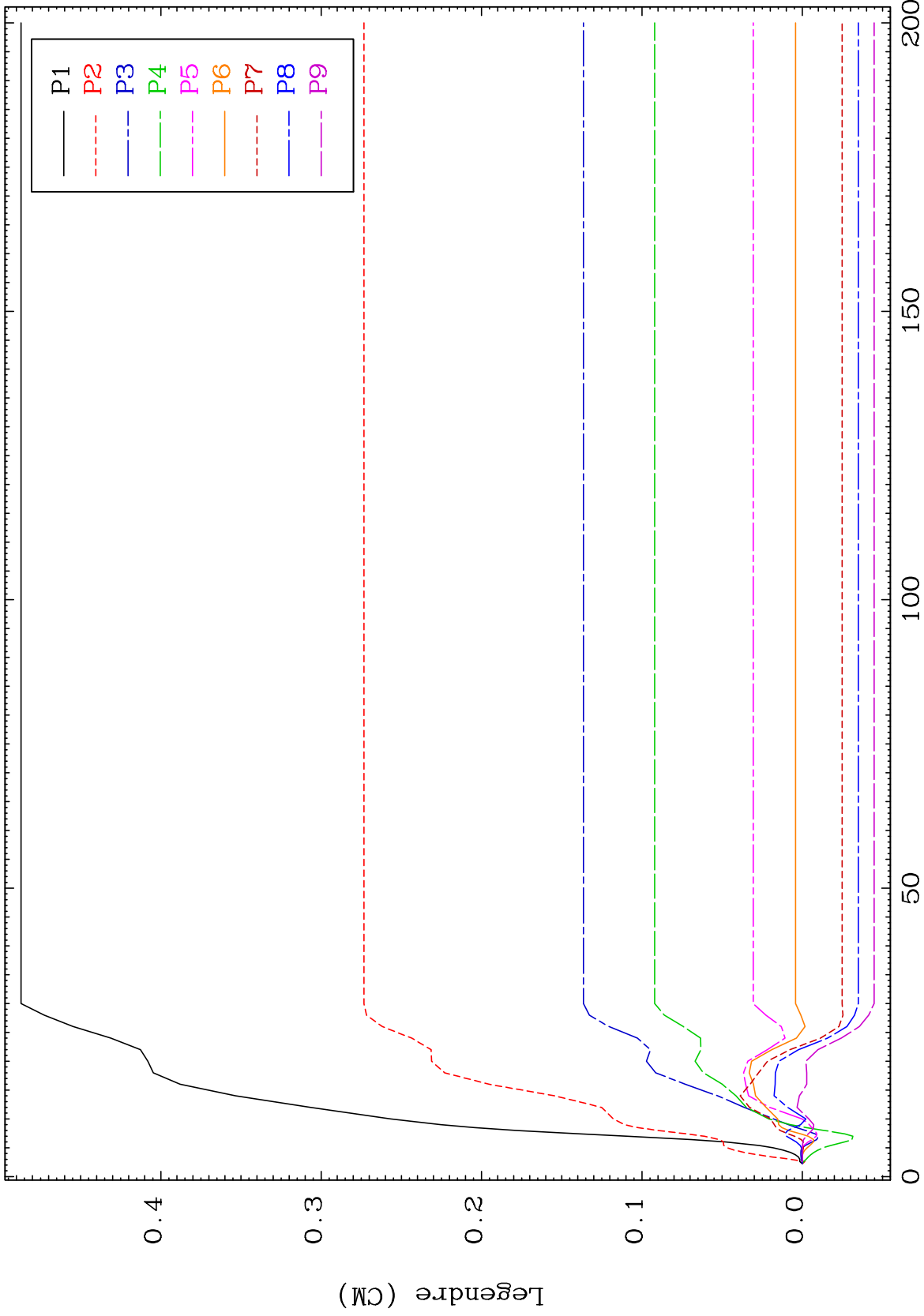
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



66

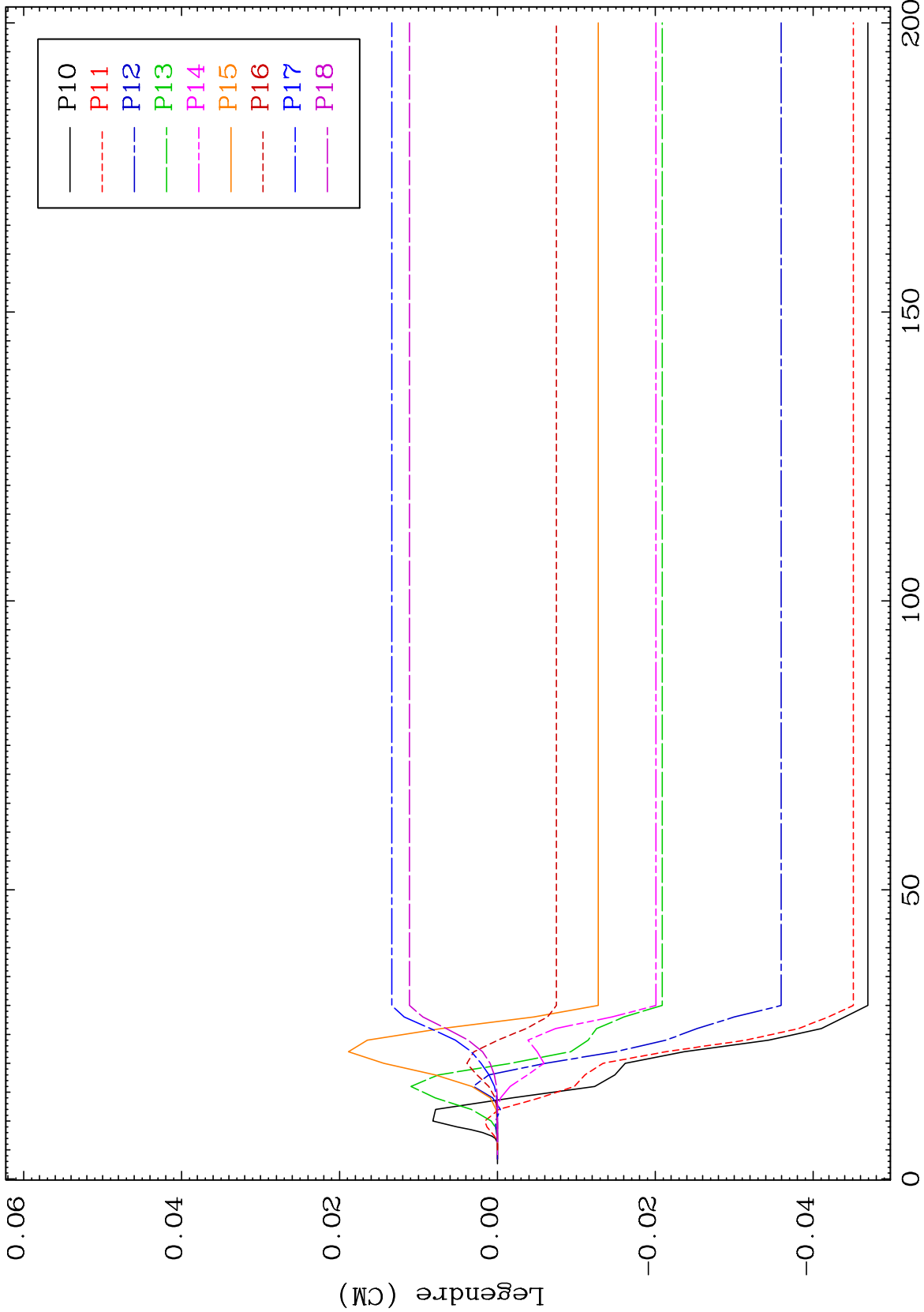
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



67

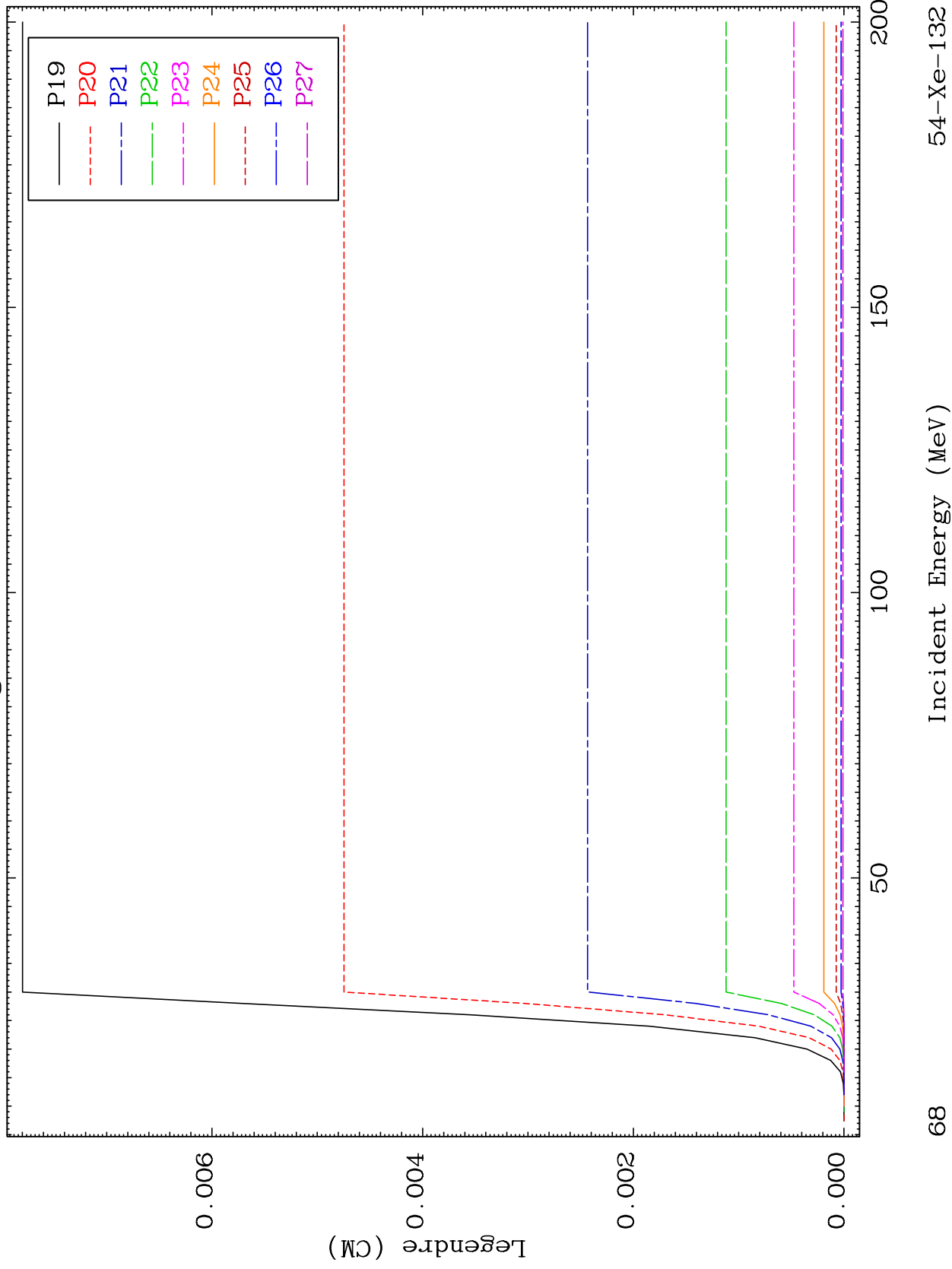
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



68

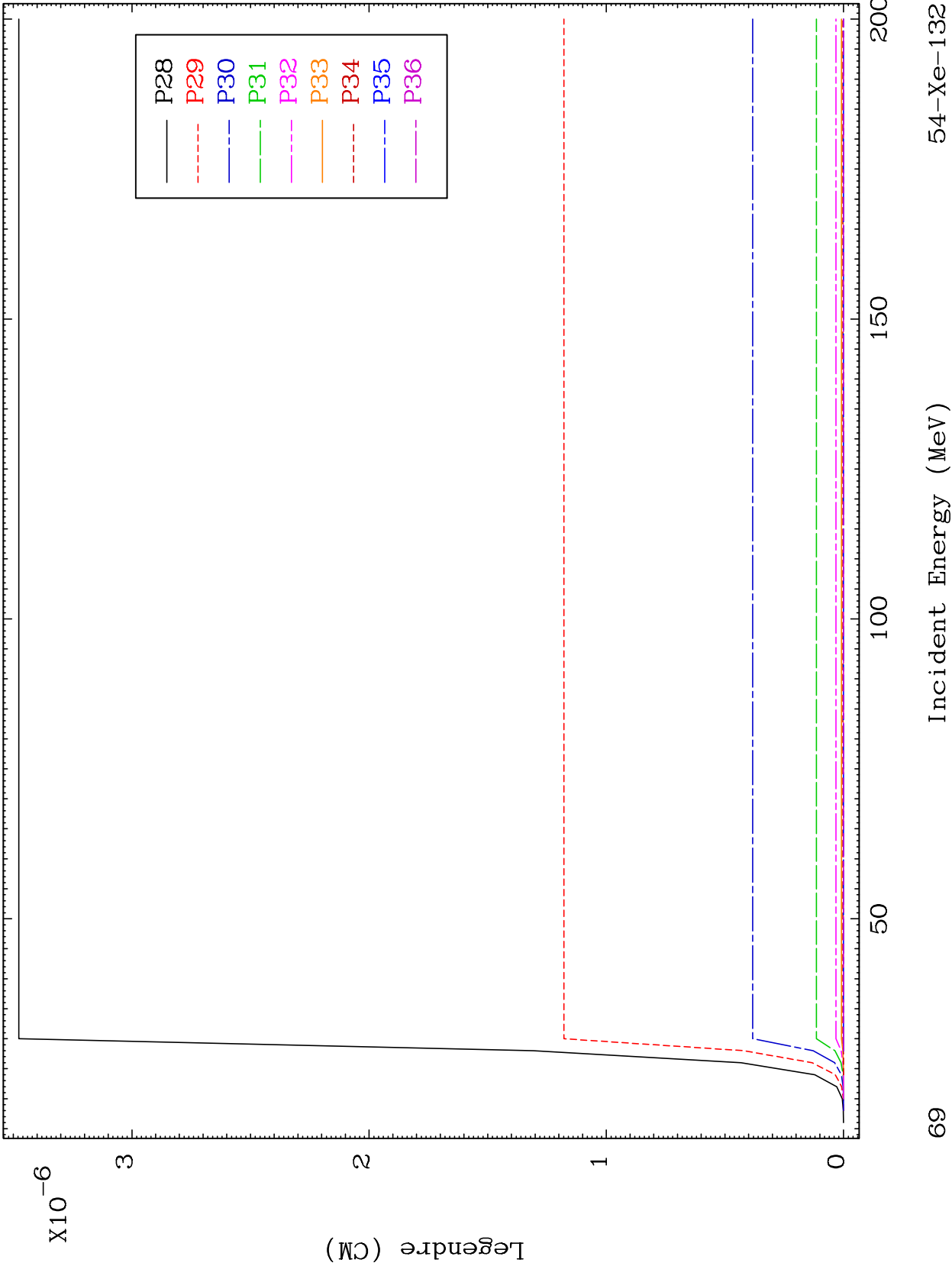
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



69

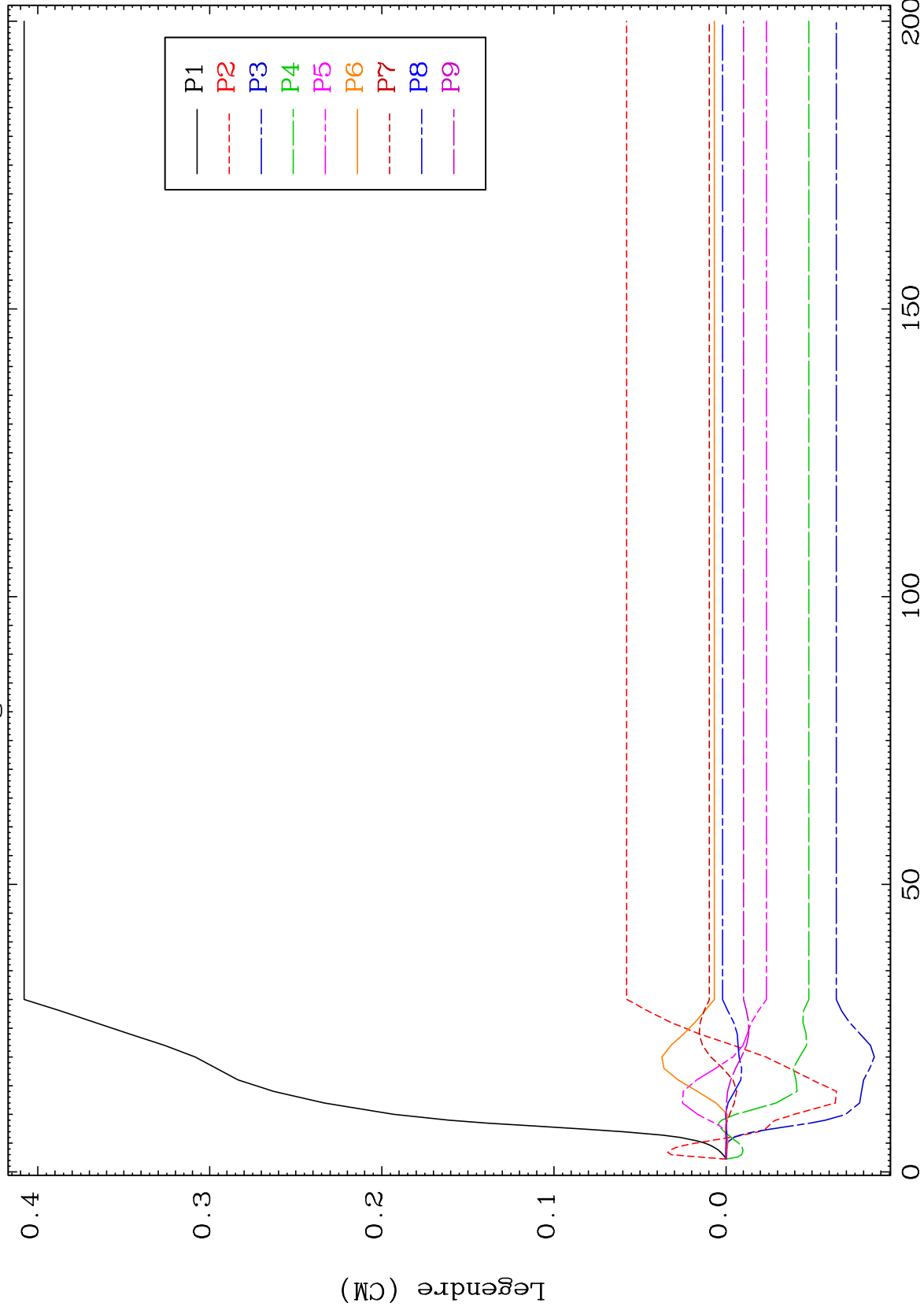
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

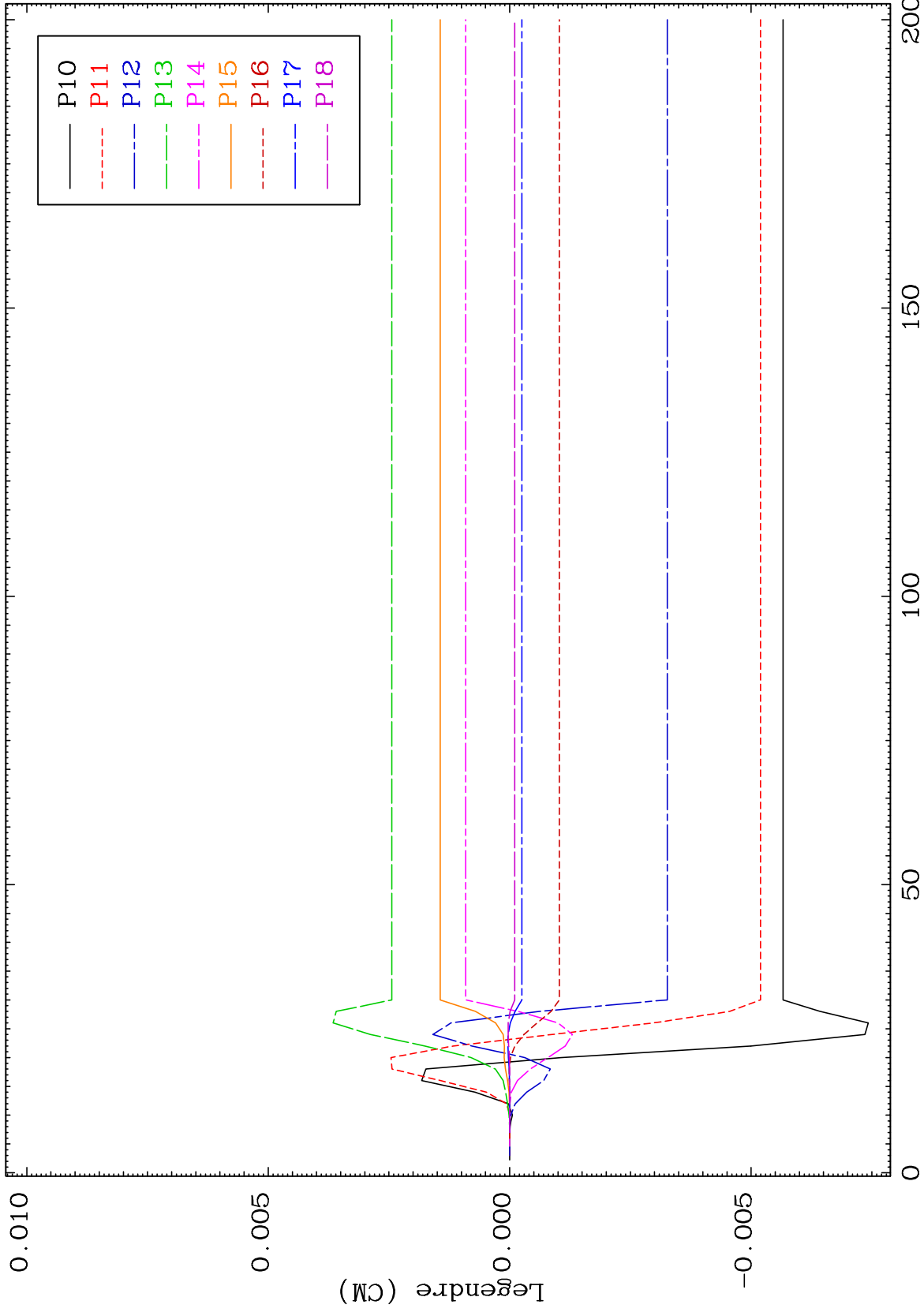
Incident Energy (MeV)

70

MAT 5449

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

54-Xe-132



71

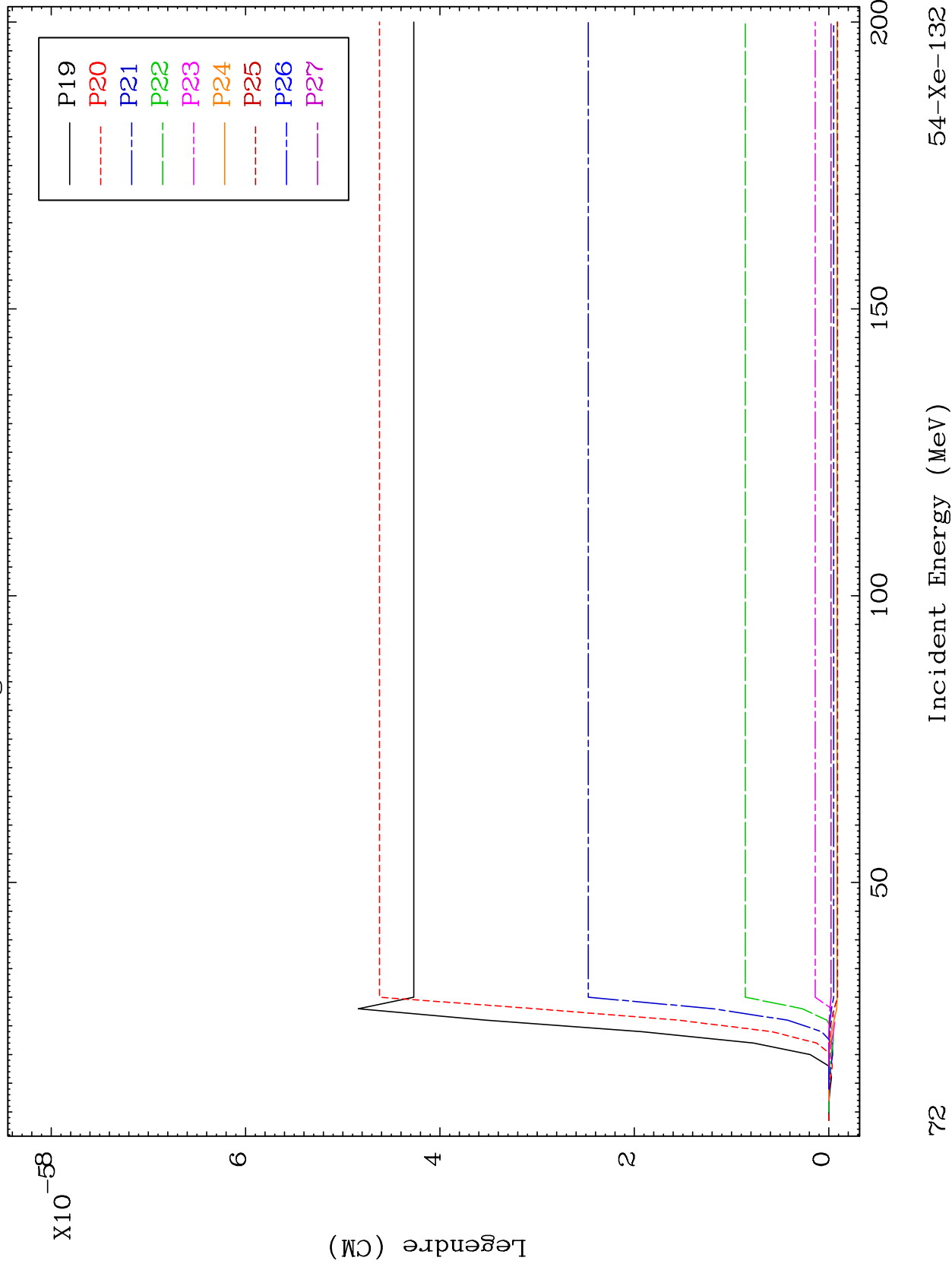
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



72

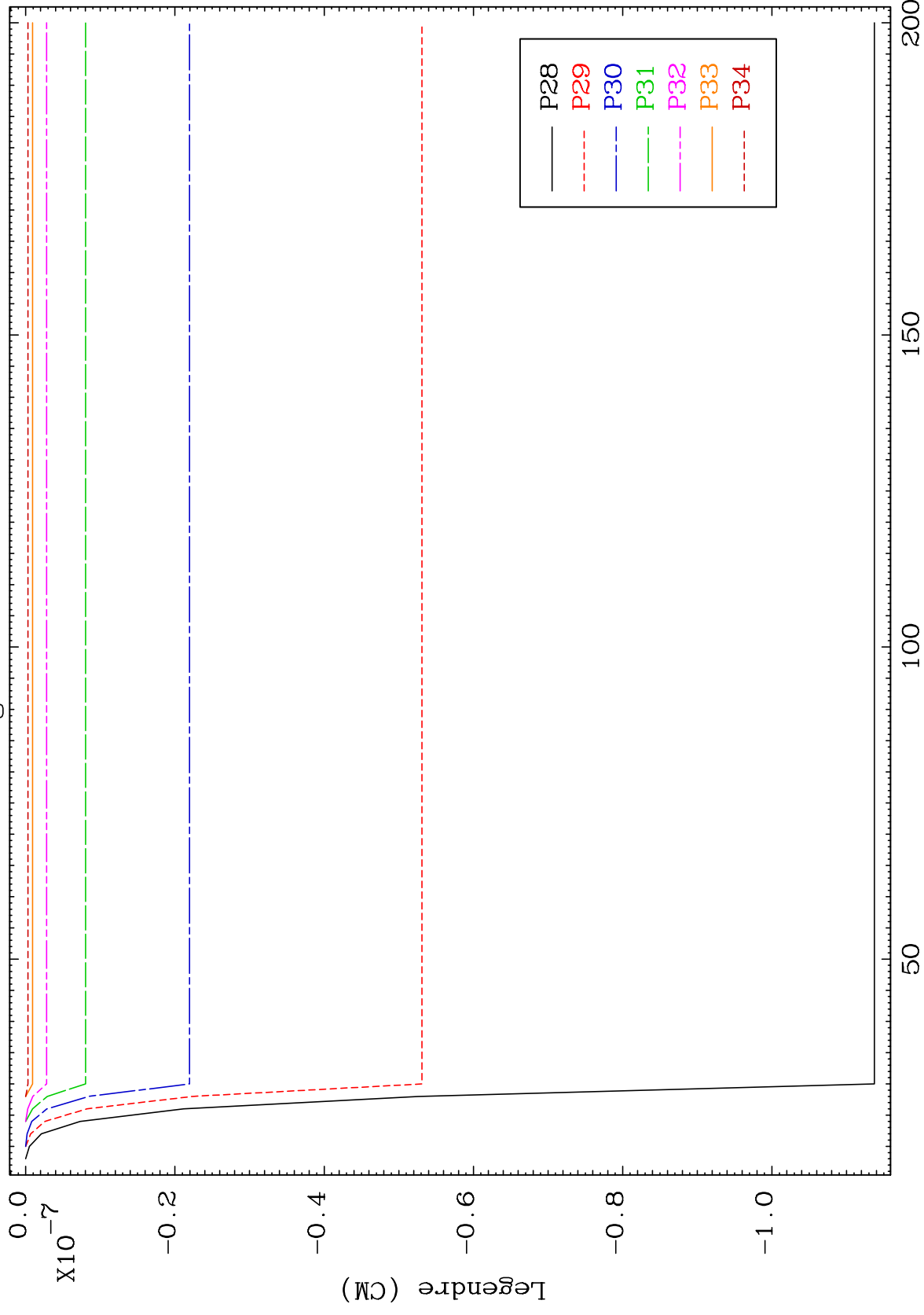
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



73

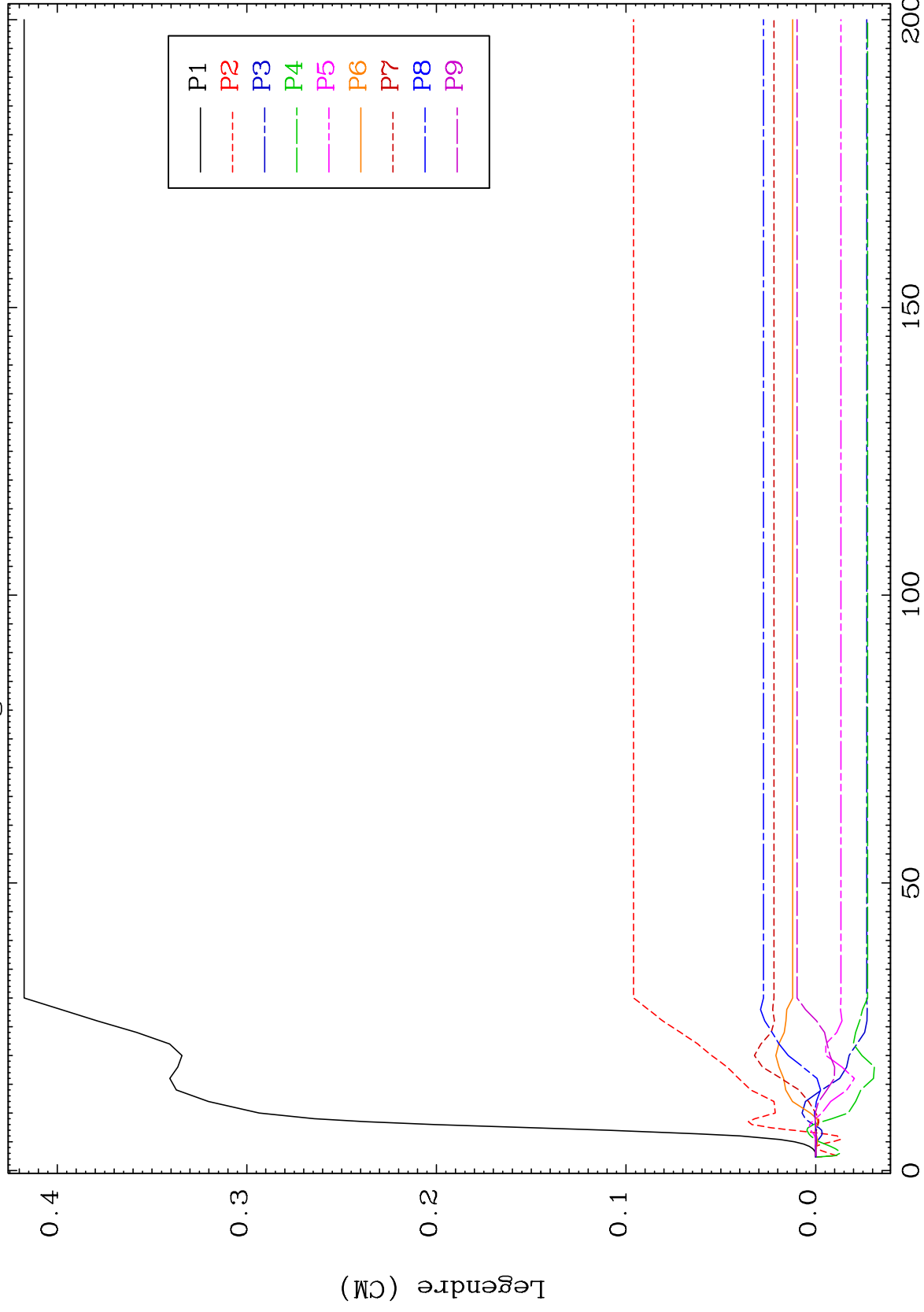
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



74

Incident Energy (MeV)

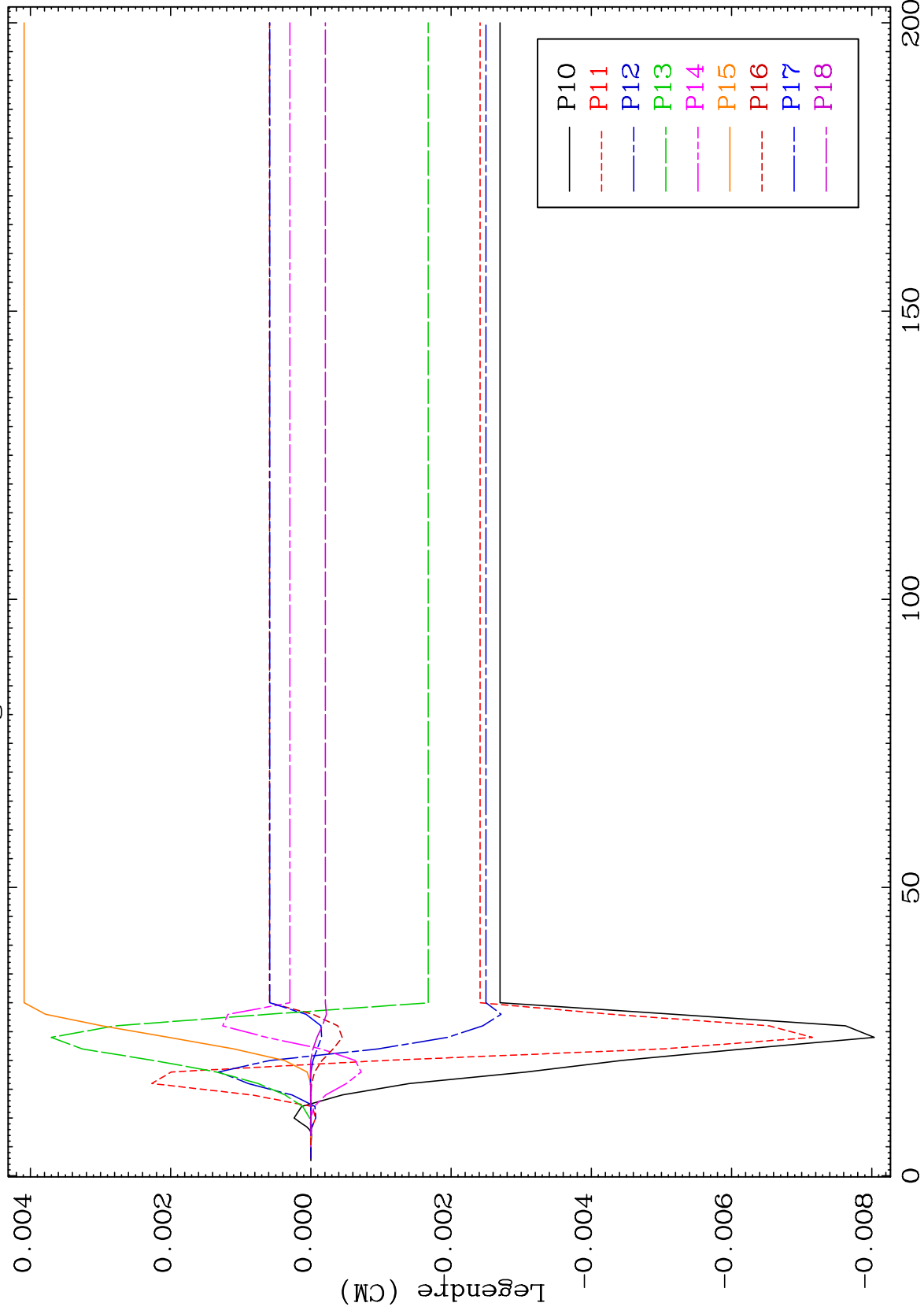
54-Xe-132

MAT 5449

MT= 65 (n,n') Level

54-Xe-132

Legendre Coefficients



75

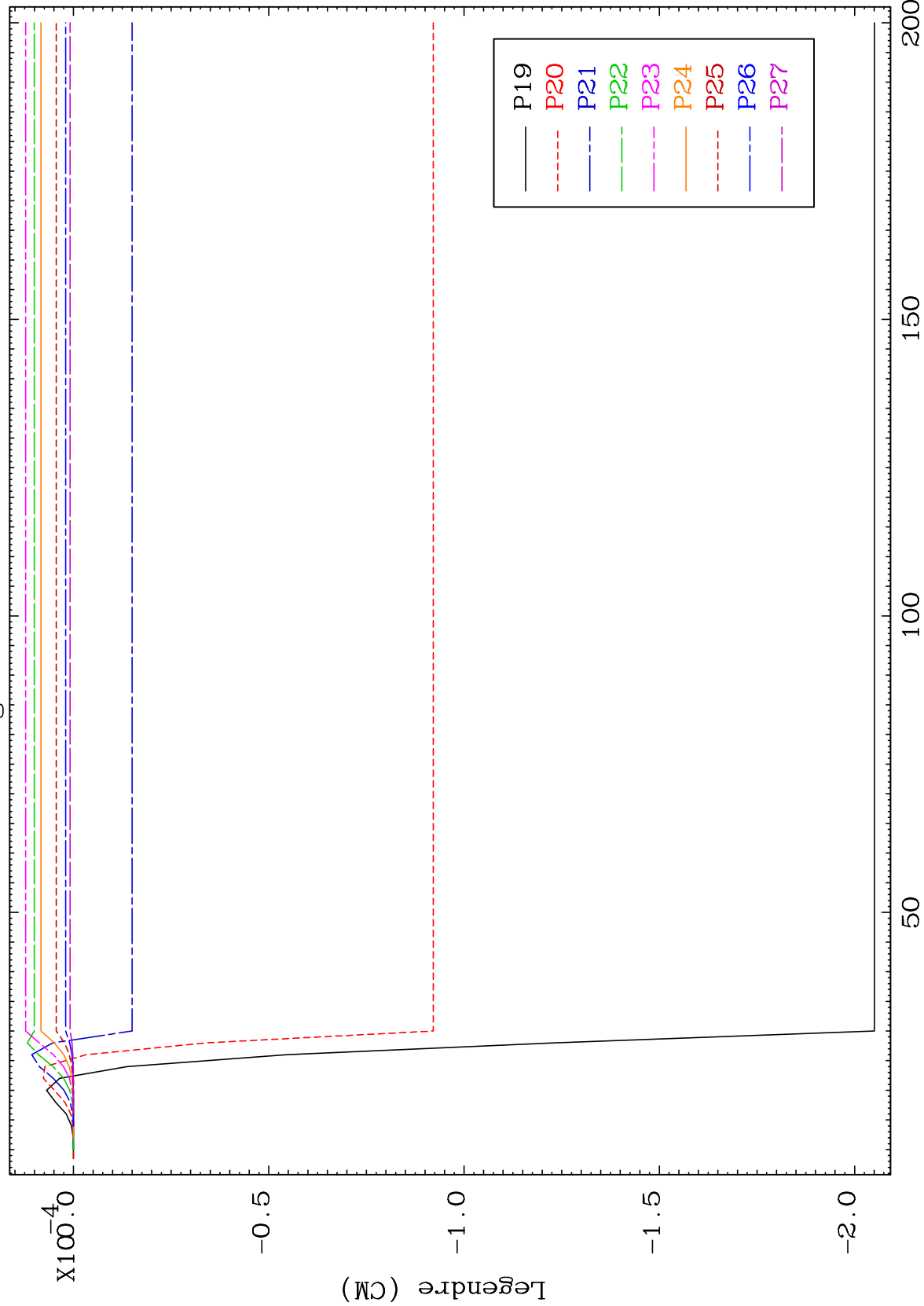
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



76

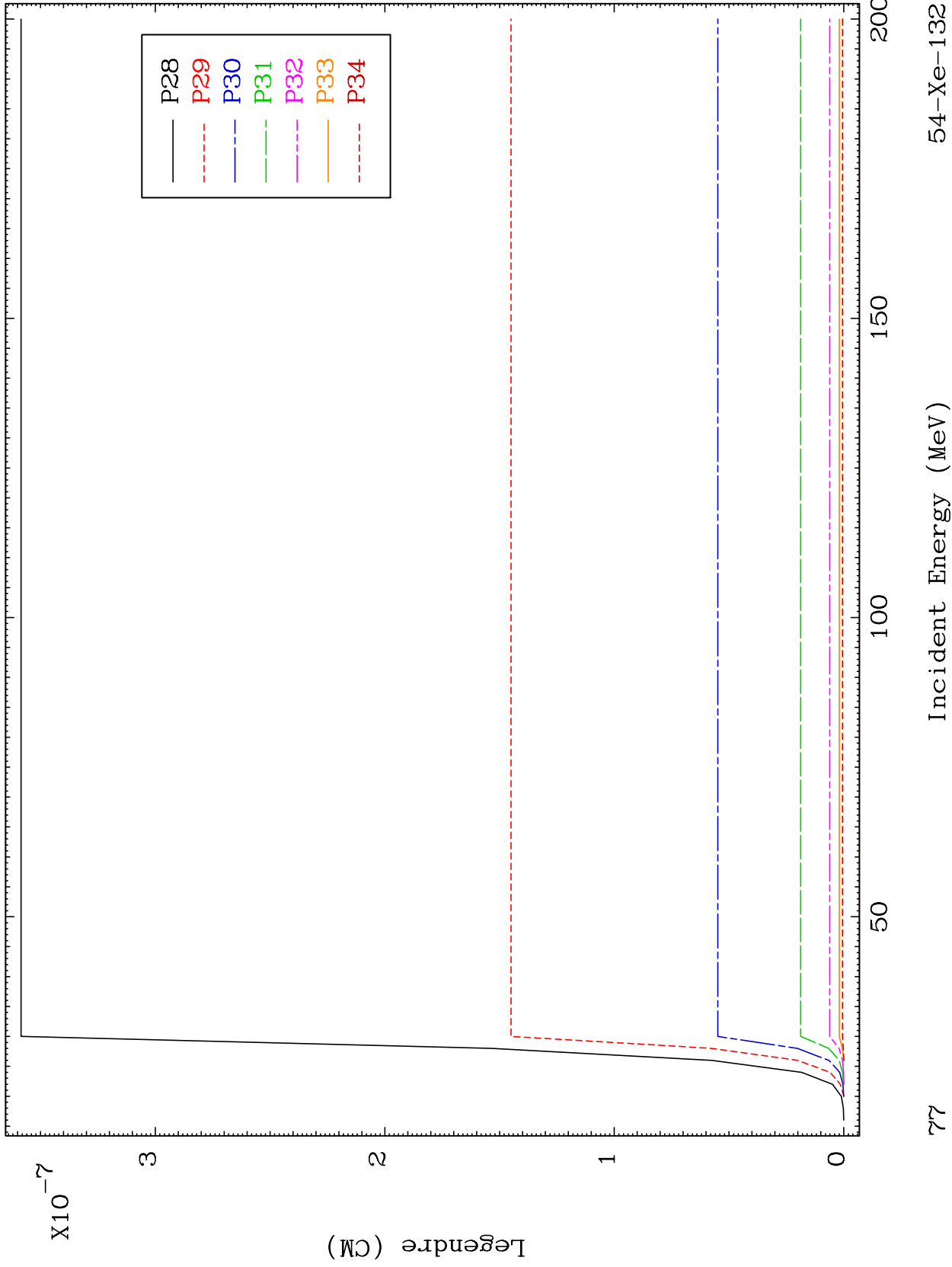
Incident Energy (MeV)

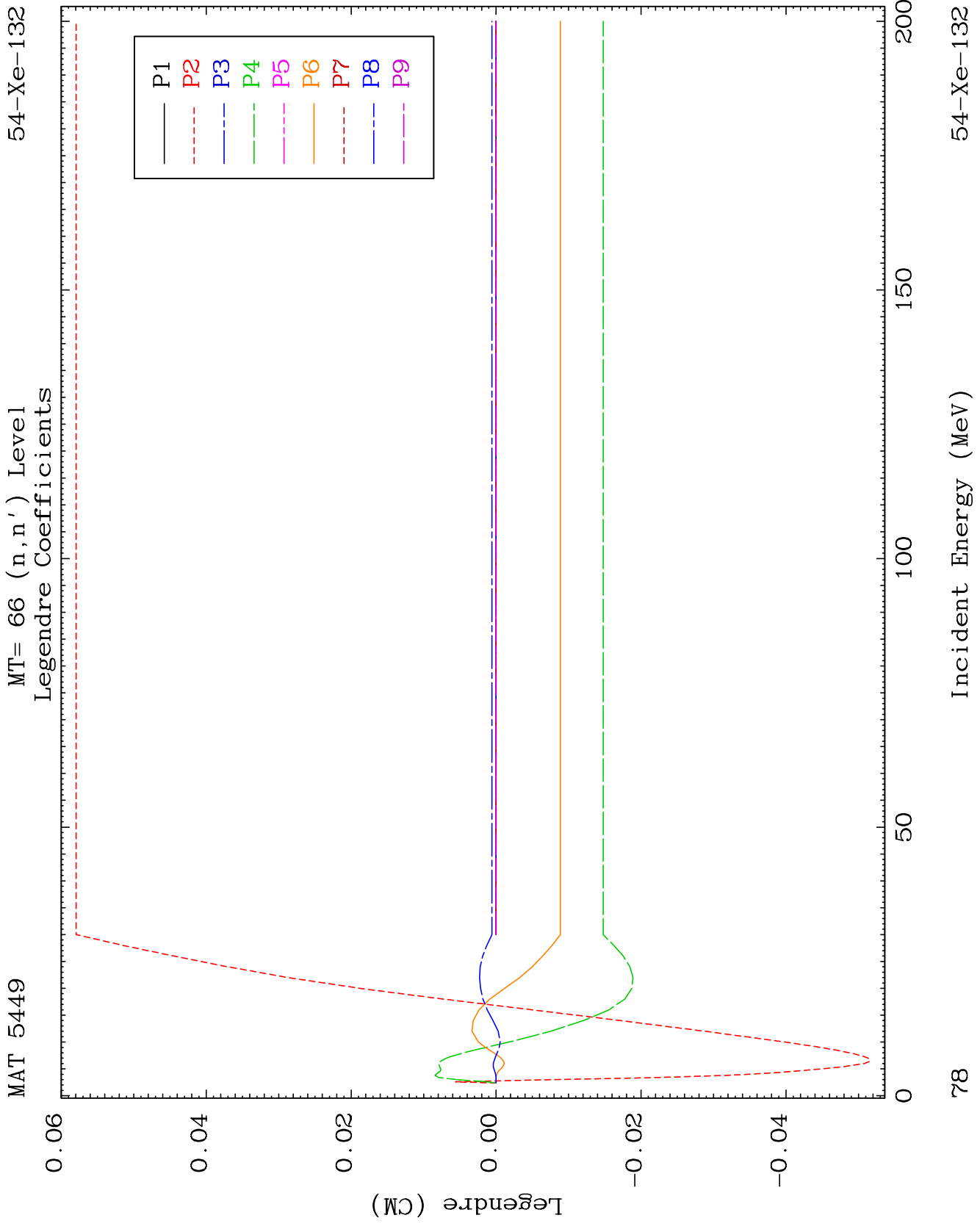
54-Xe-132

MAT 5449

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

54-Xe-132

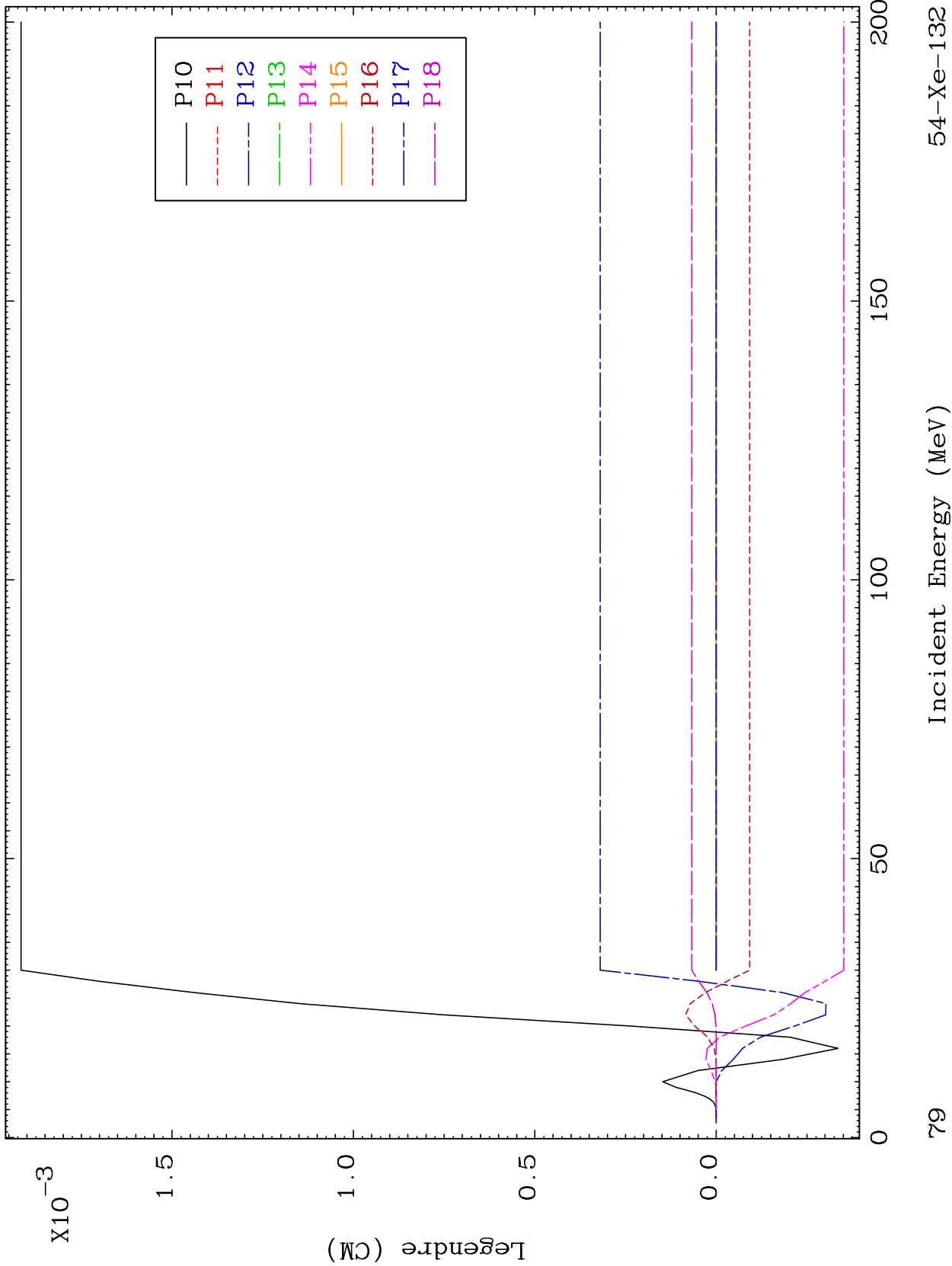




MAT 5449

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

54-Xe-132



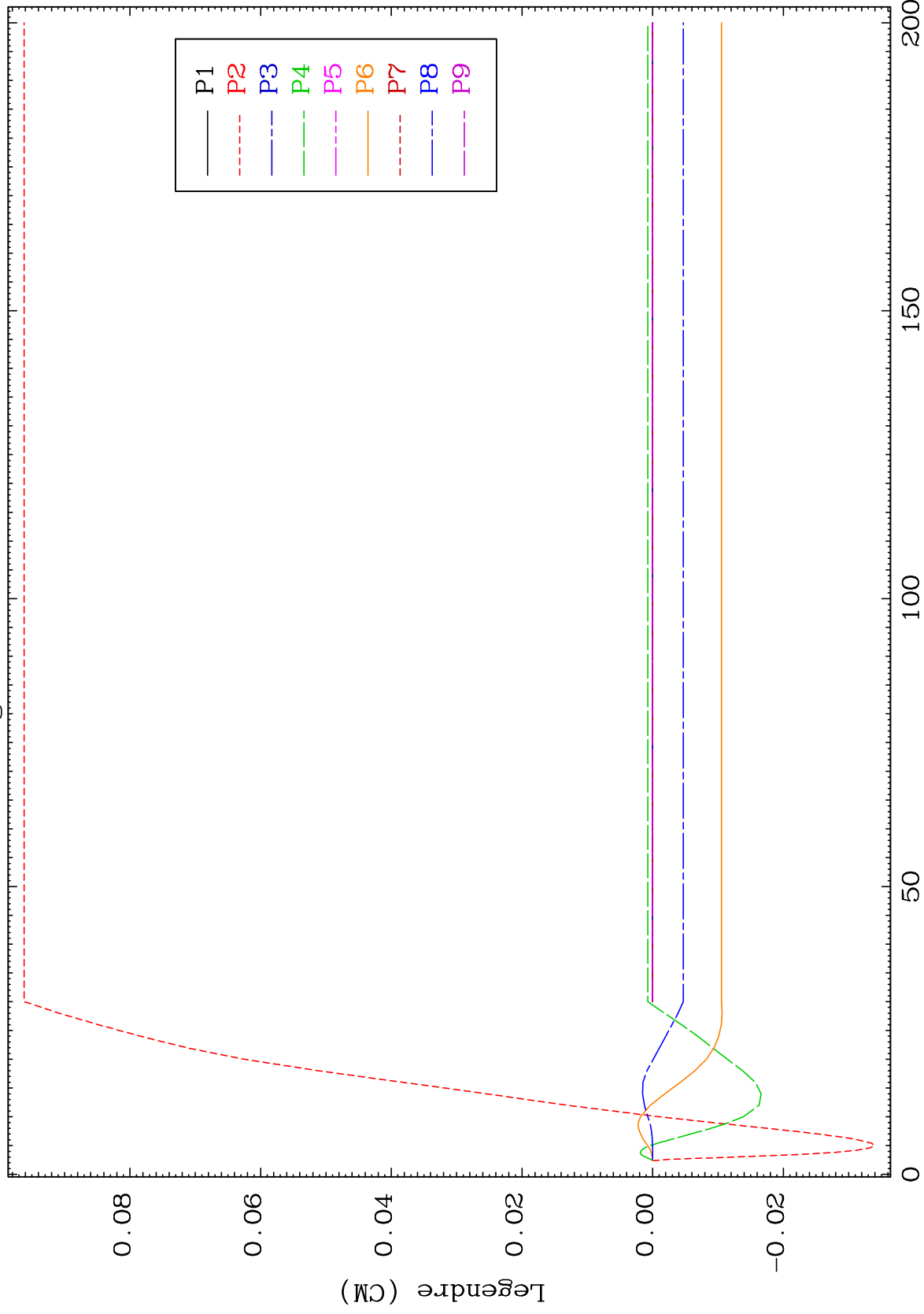
79

54-Xe-132

MAT 5449

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

54-Xe-132



81

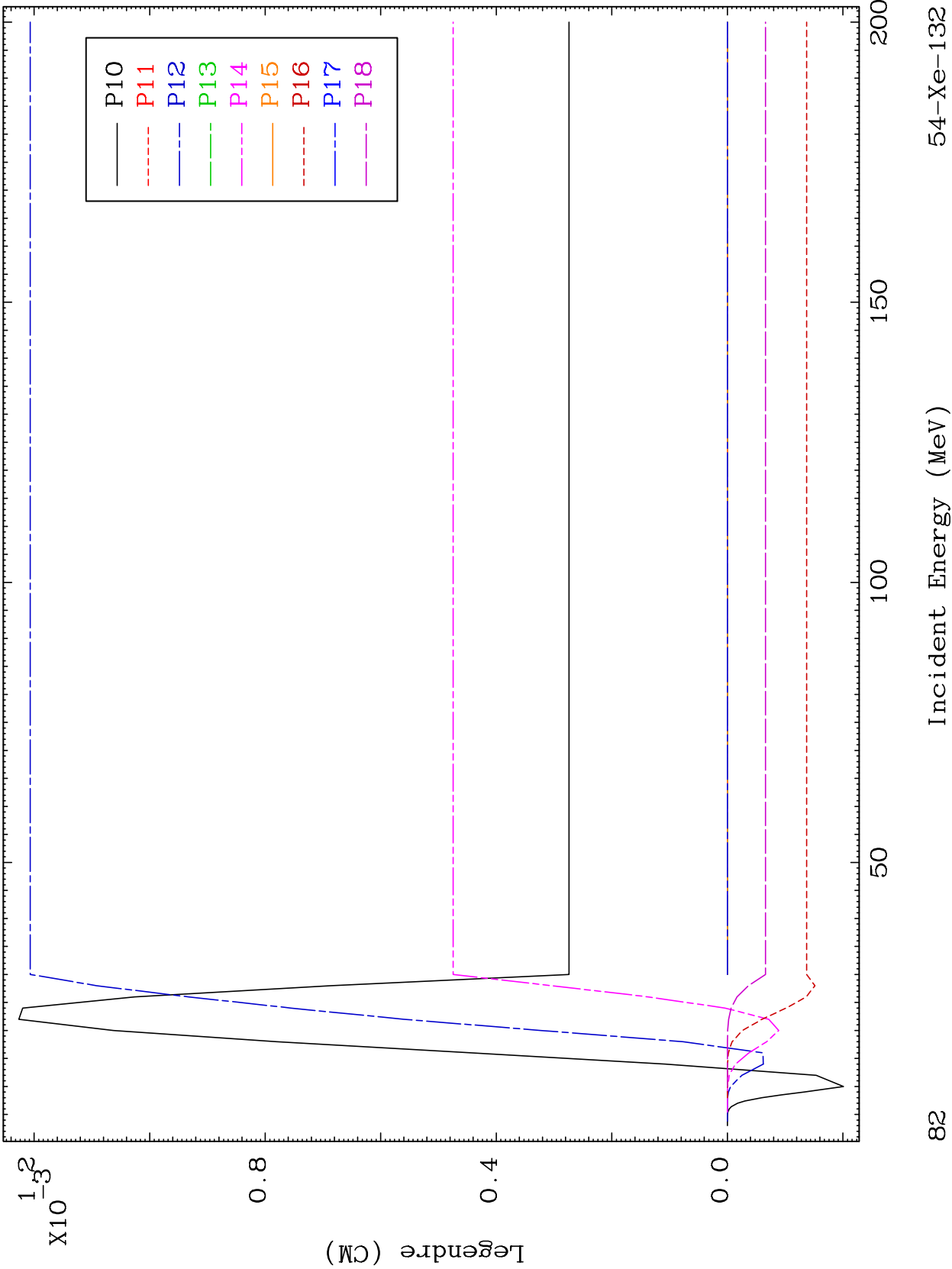
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

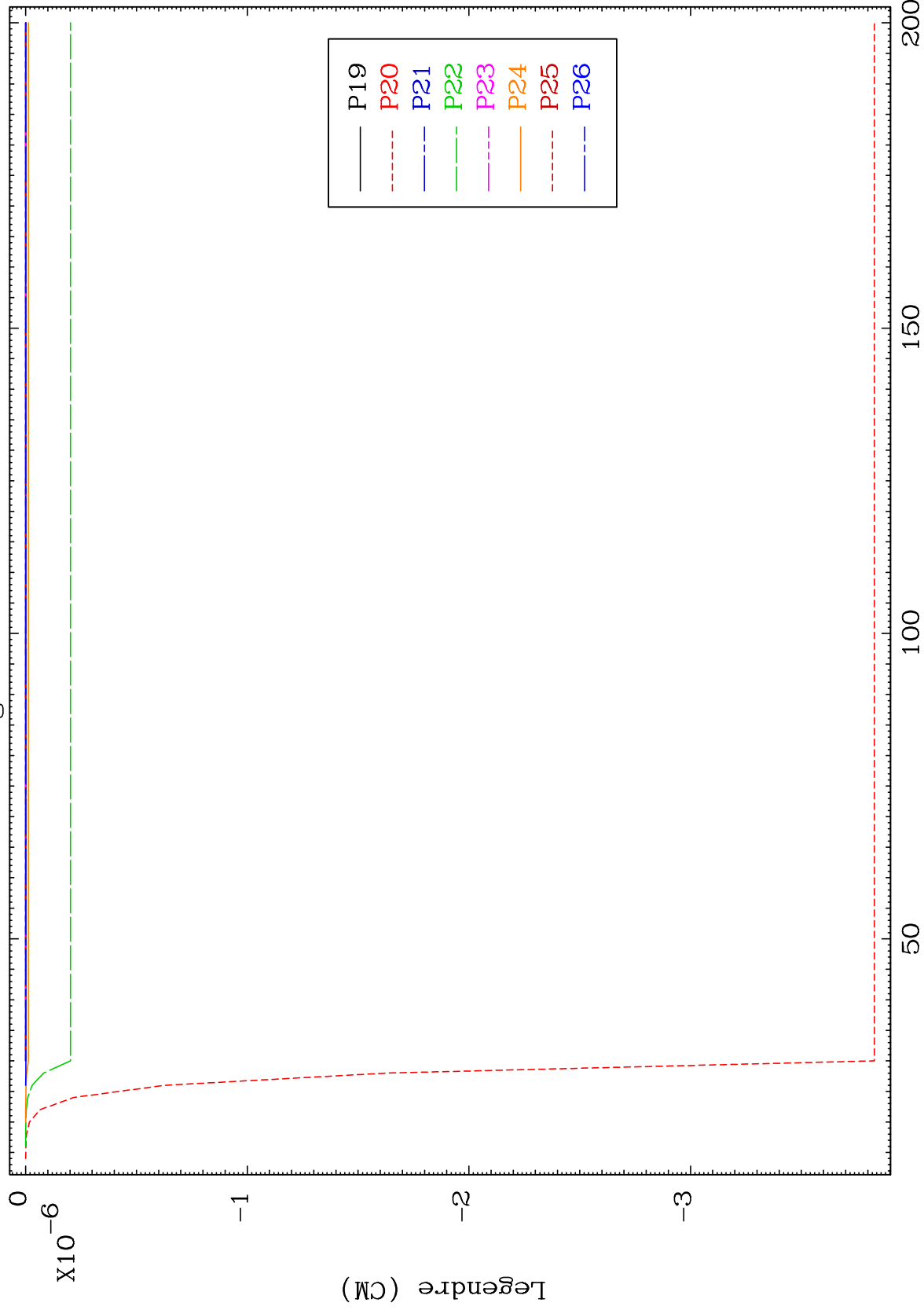
54-Xe-132



MAT 5449

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

54-Xe-132



83

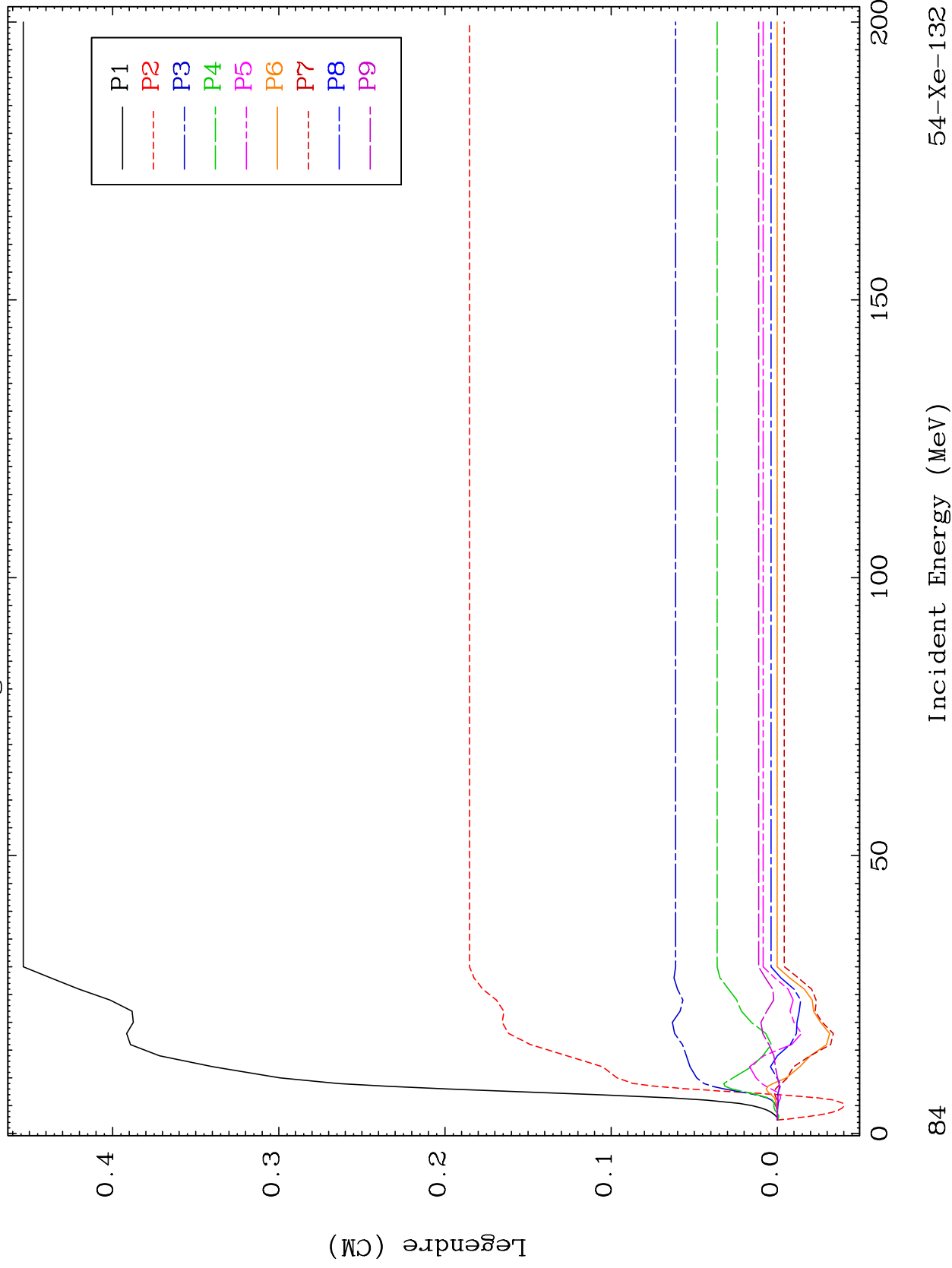
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

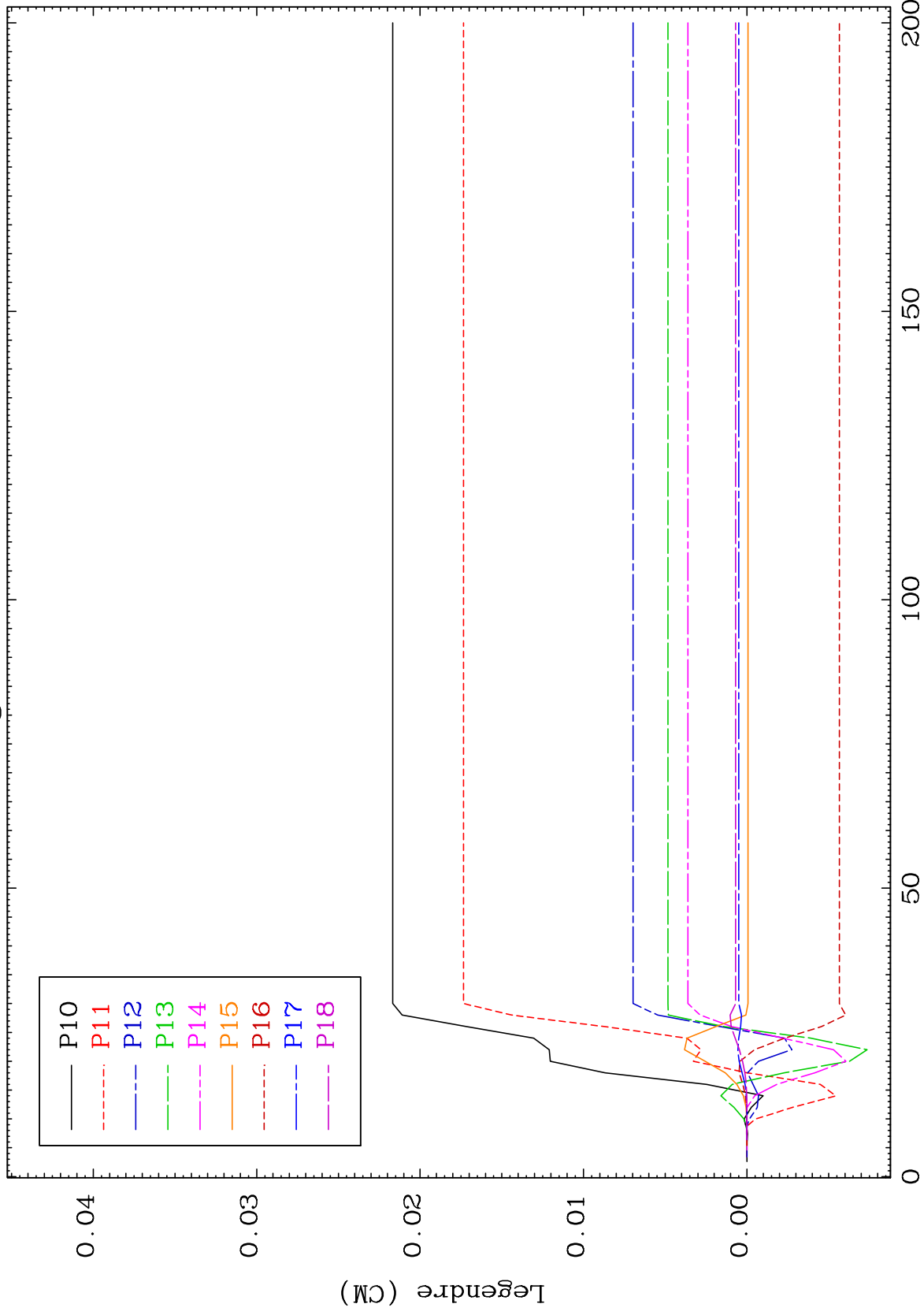
Incident Energy (MeV)

84

MAT 5449

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

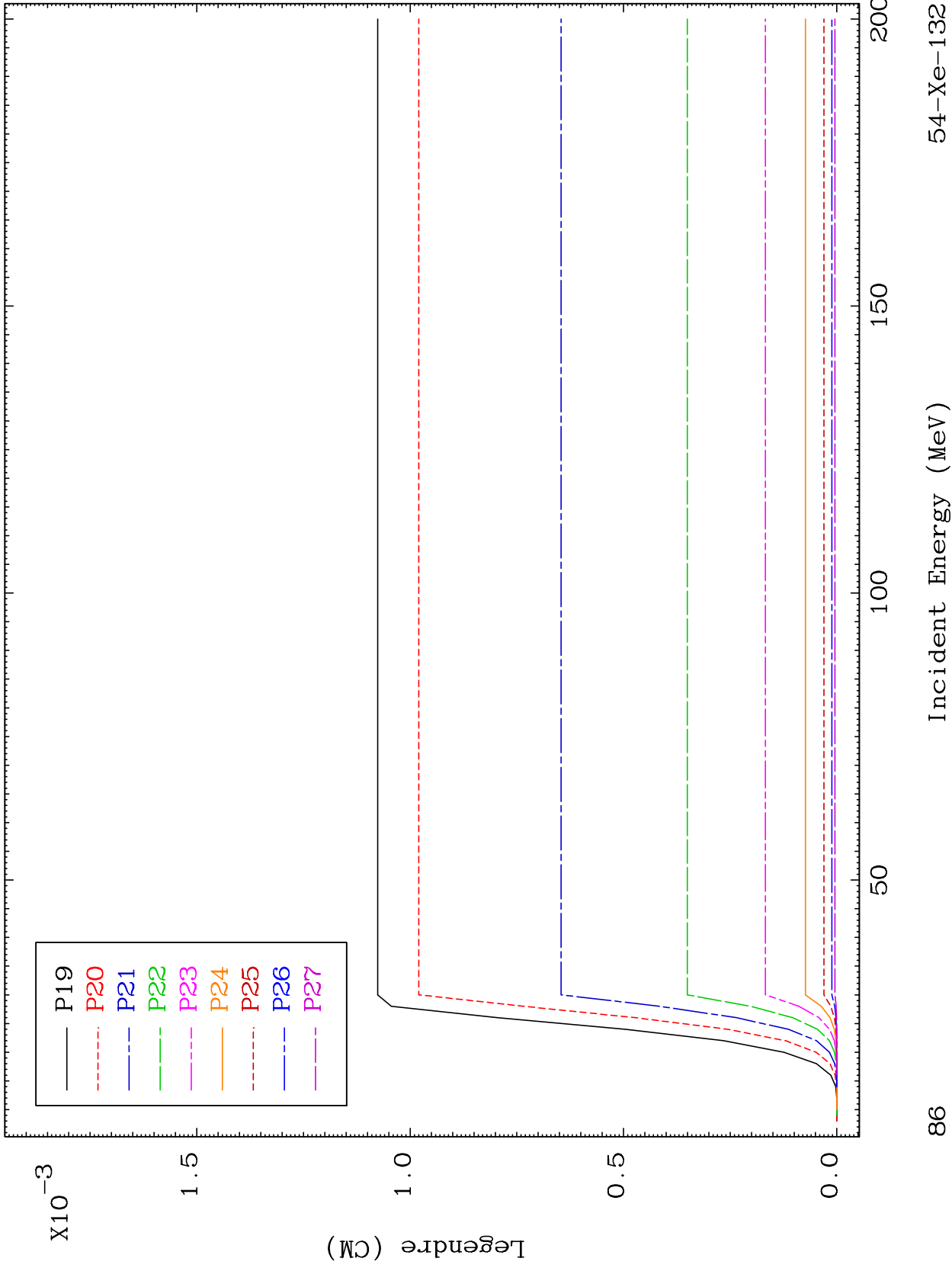
54-Xe-132



85

Incident Energy (MeV)

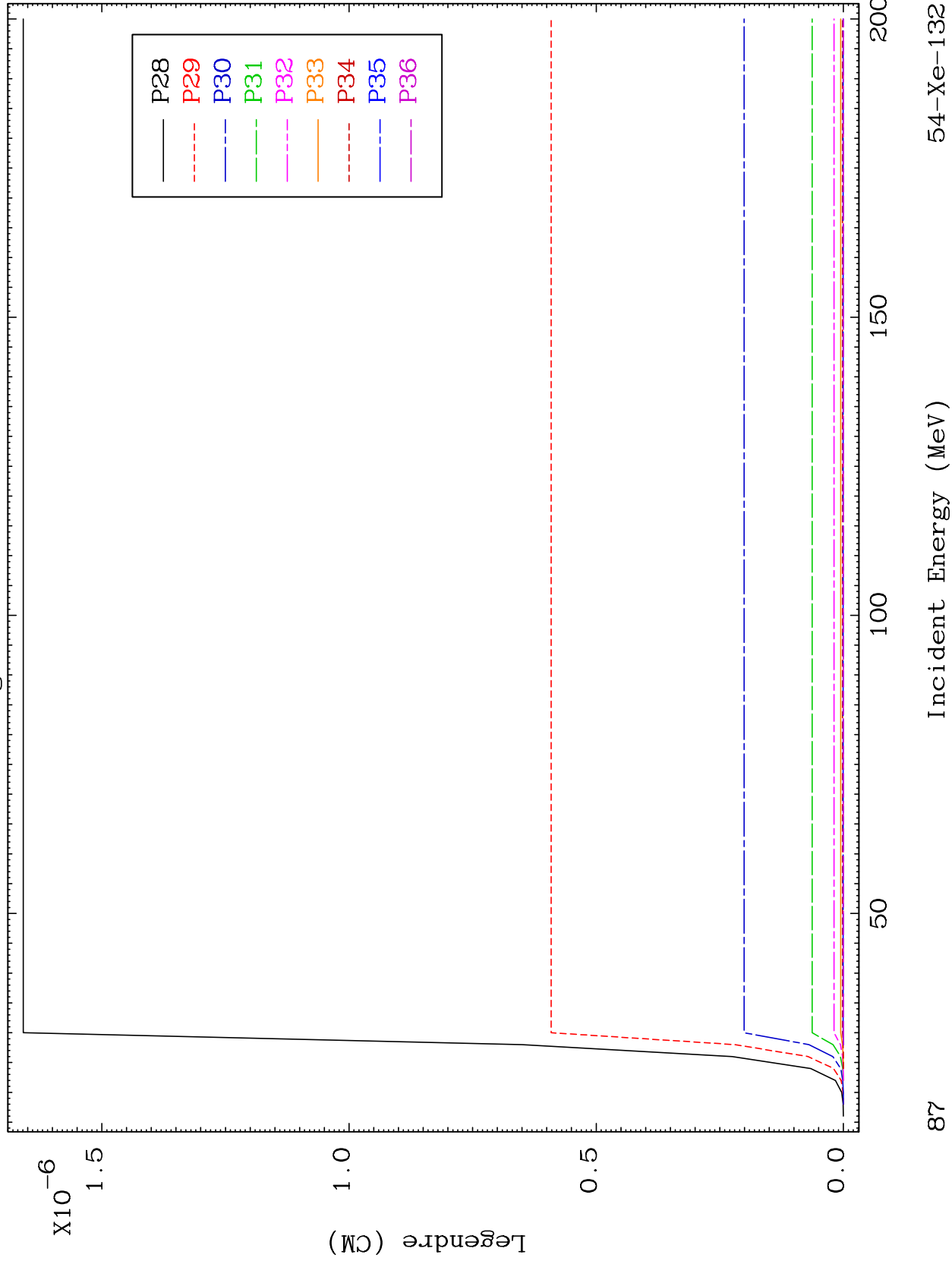
54-Xe-132



MAT 5449

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

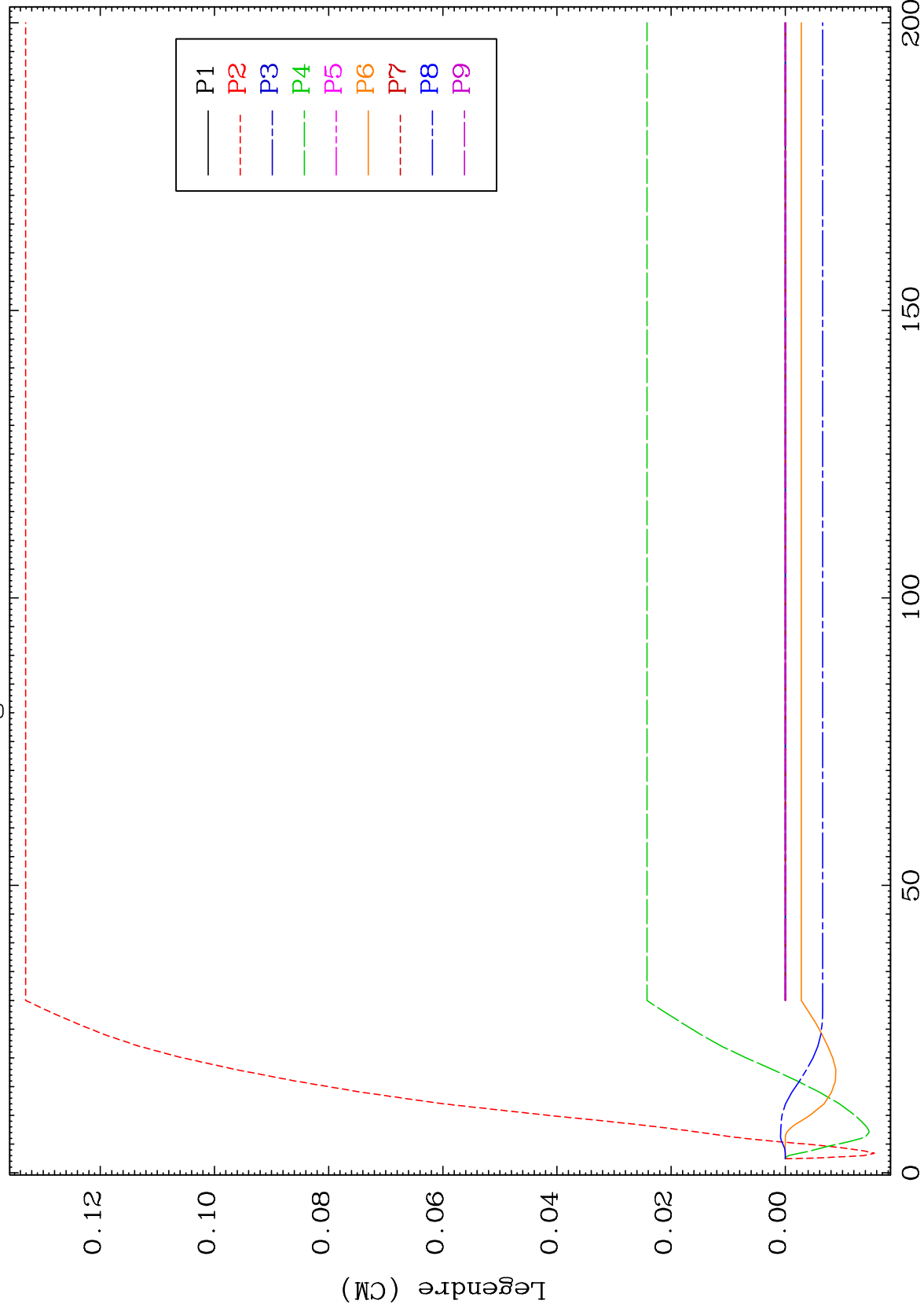
54-Xe-132



MAT 5449

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

54-Xe-132



88

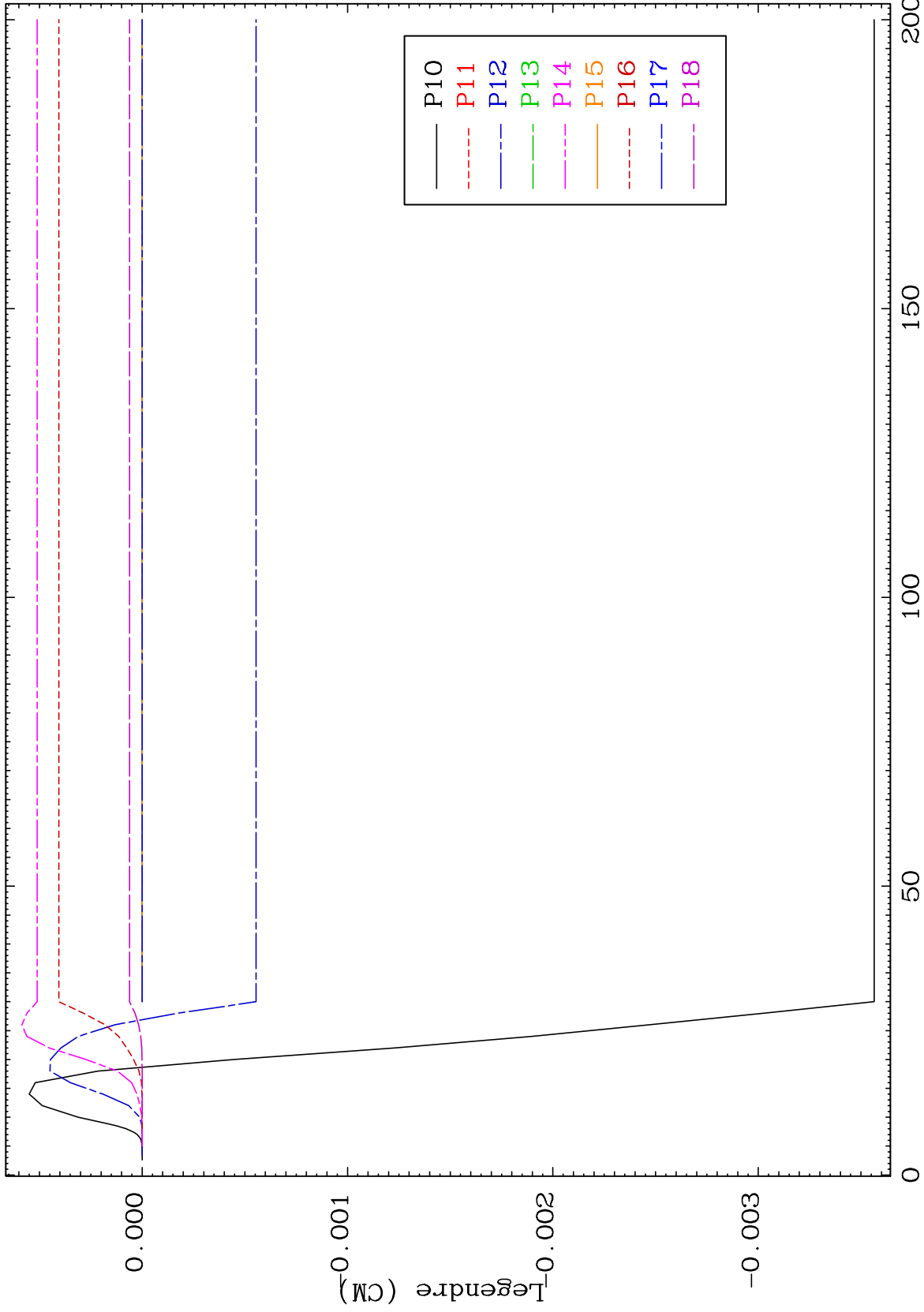
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



89

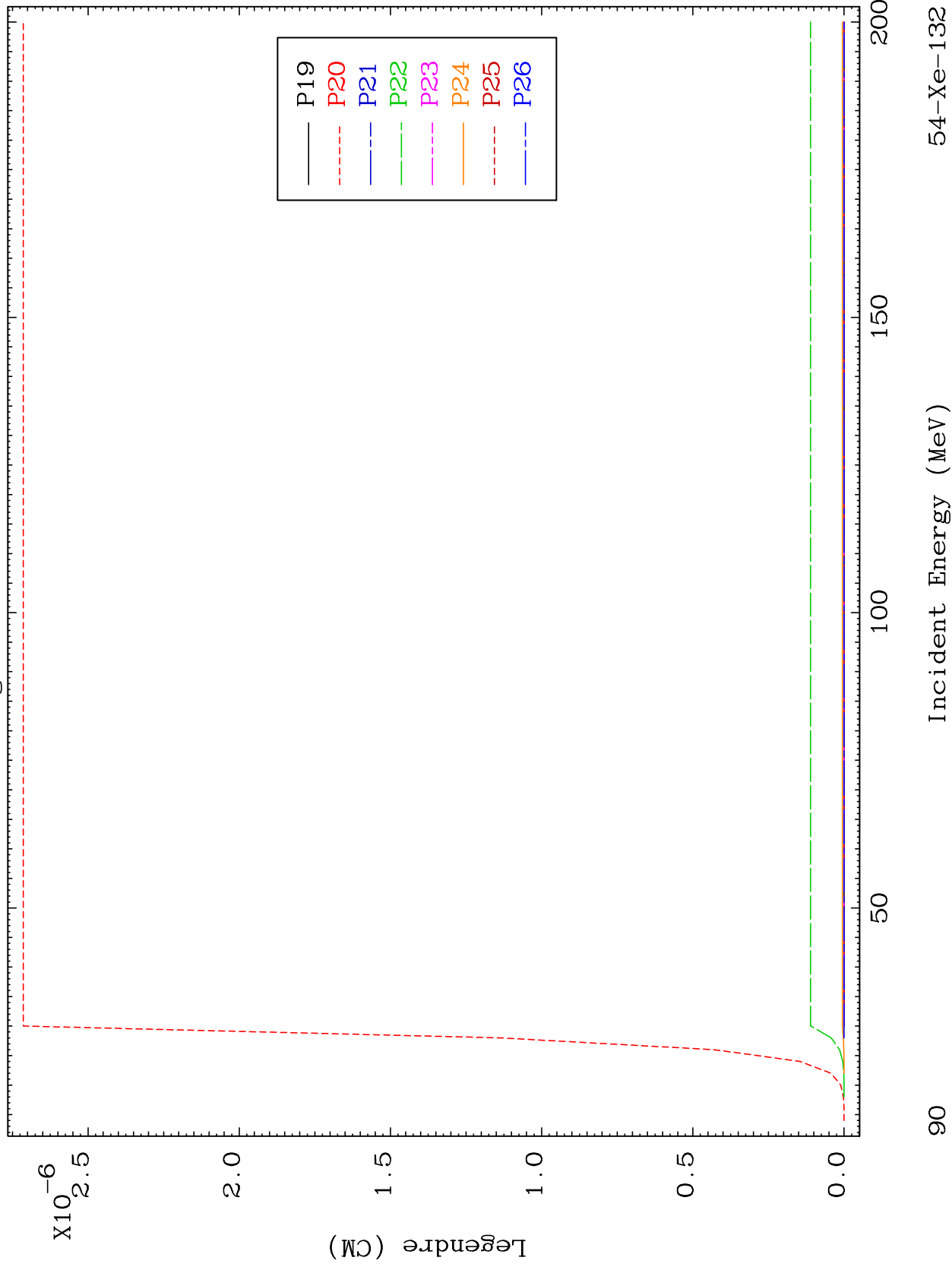
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

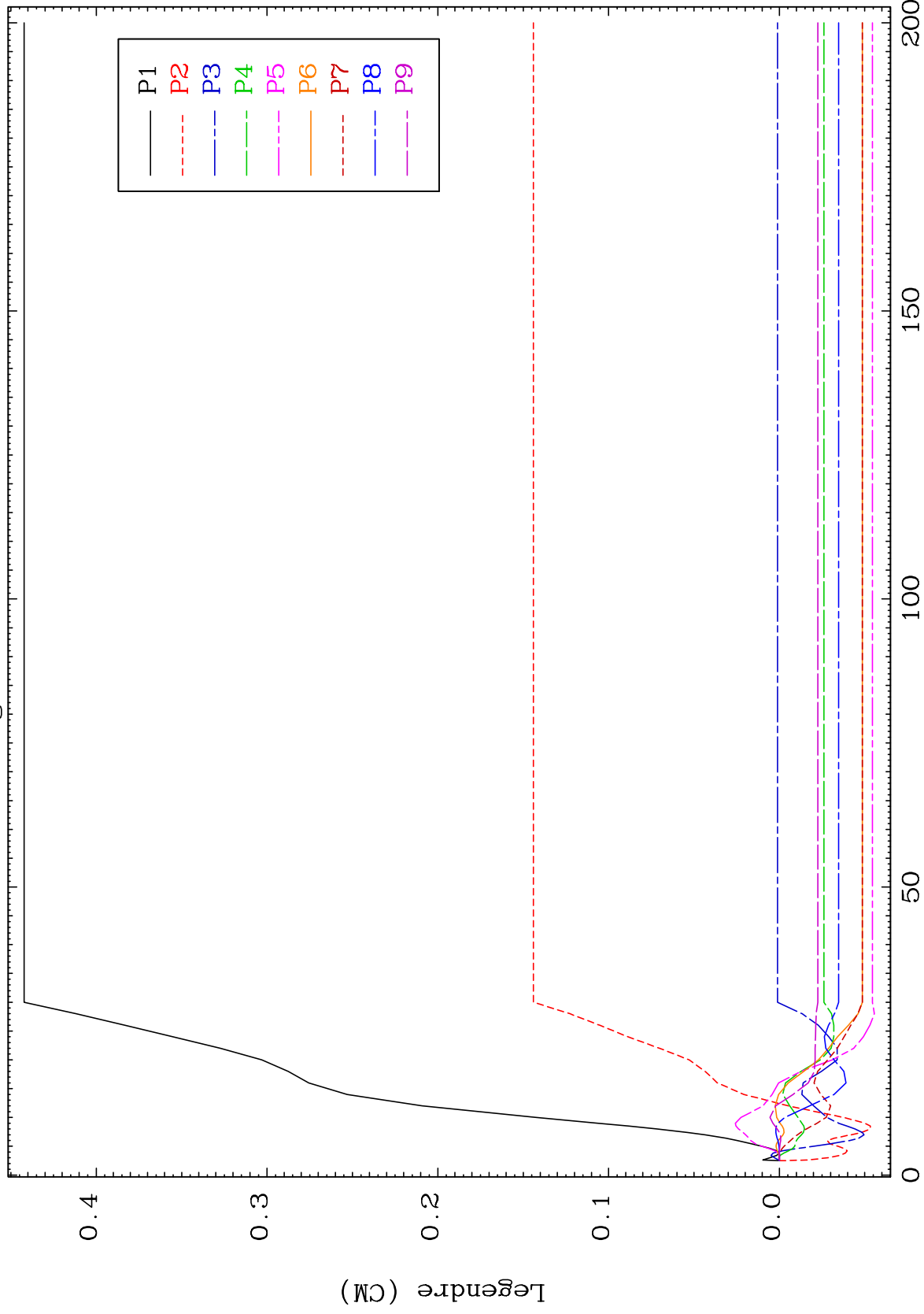
54-Xe-132



MAT 5449

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

54-Xe-132



91

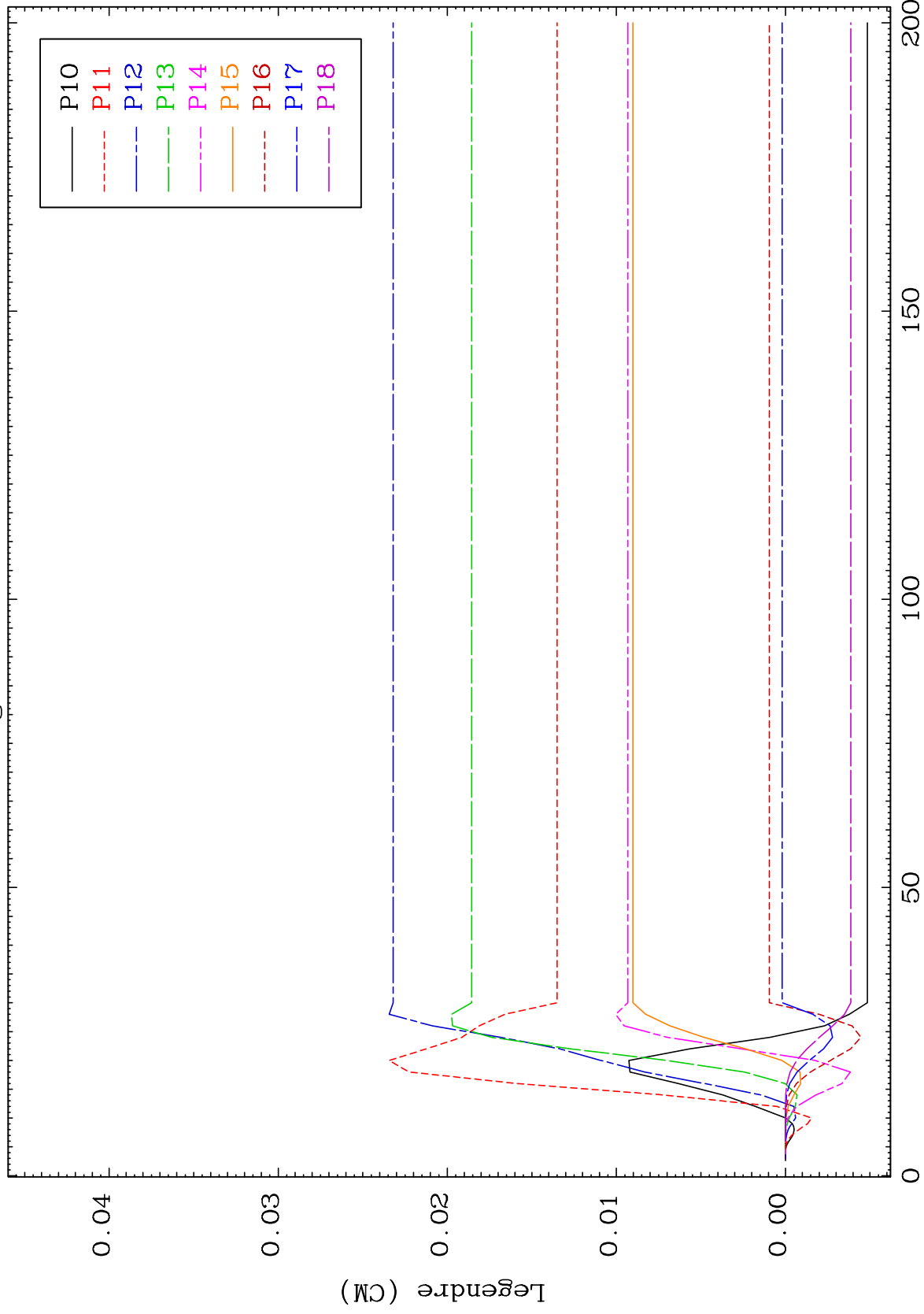
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



92

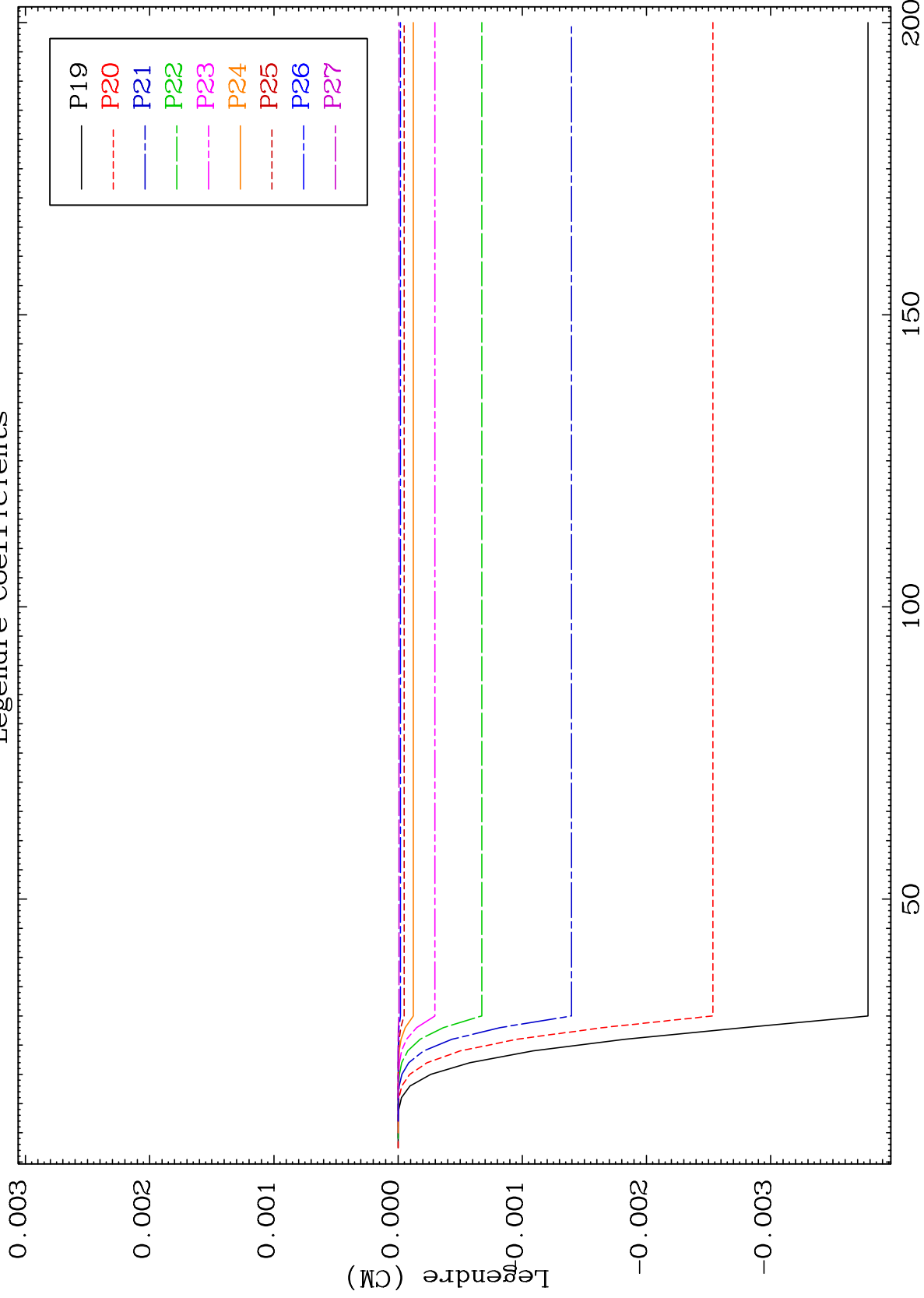
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



93

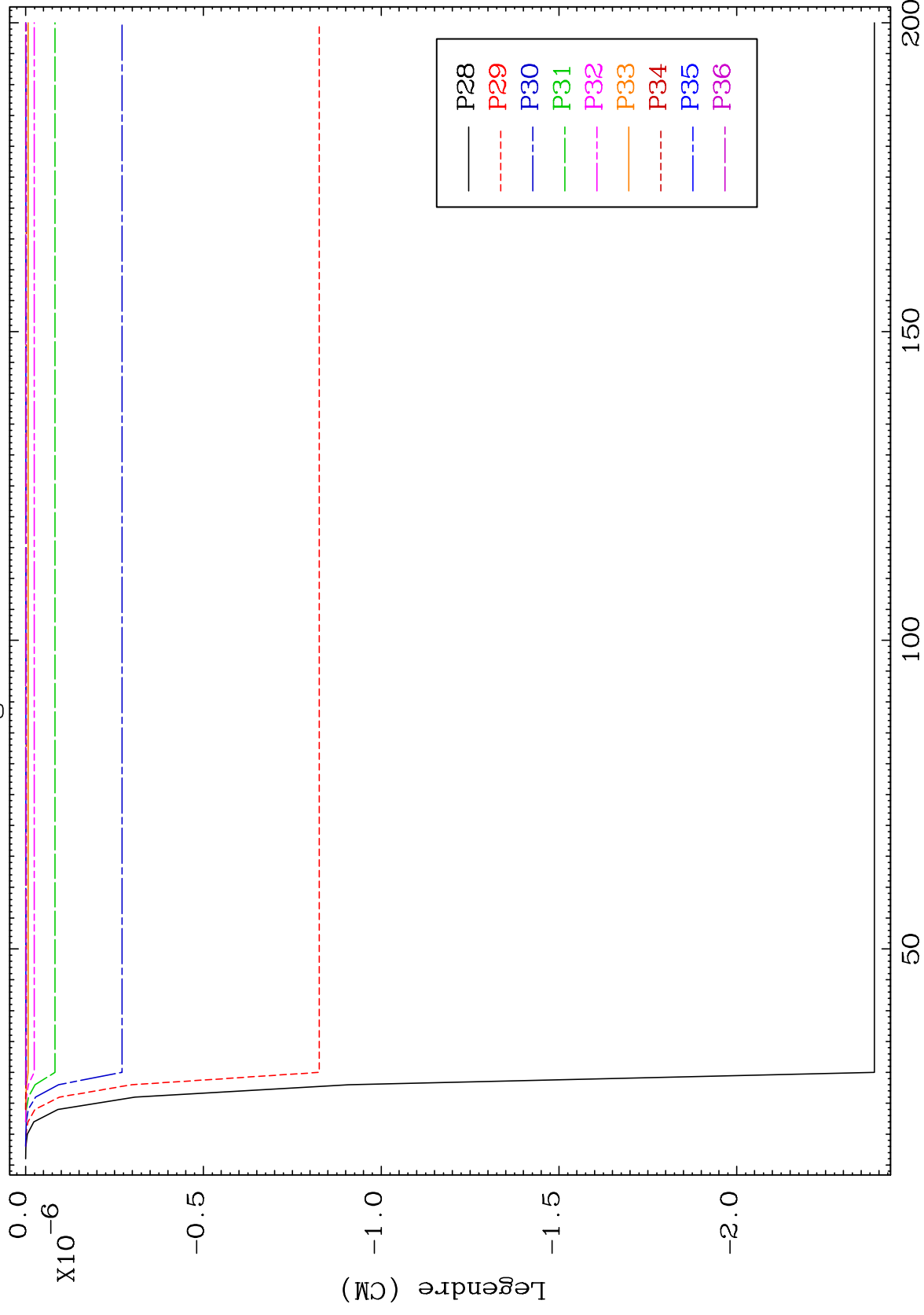
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

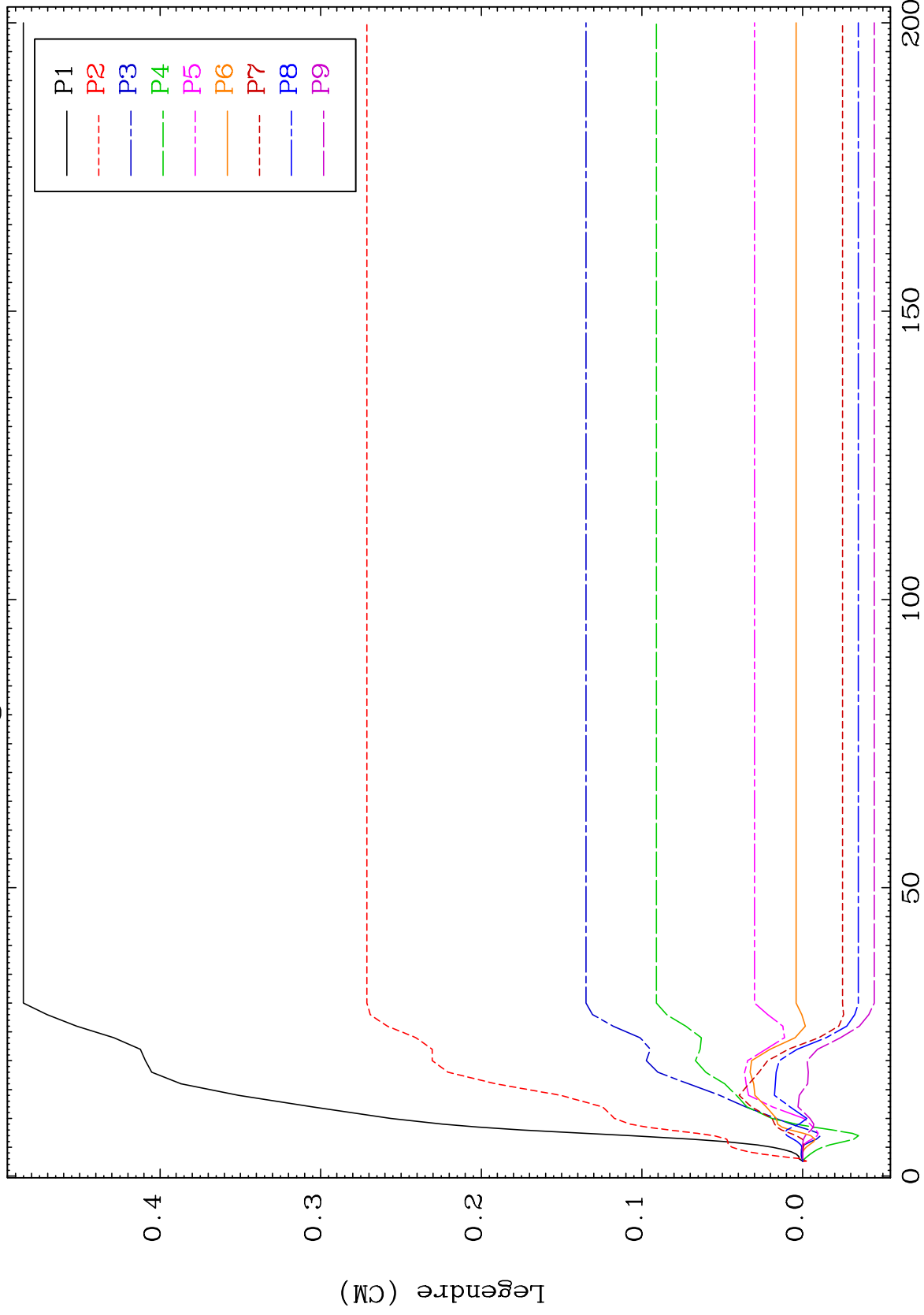
54-Xe-132



MAT 5449

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

54-Xe-132



95

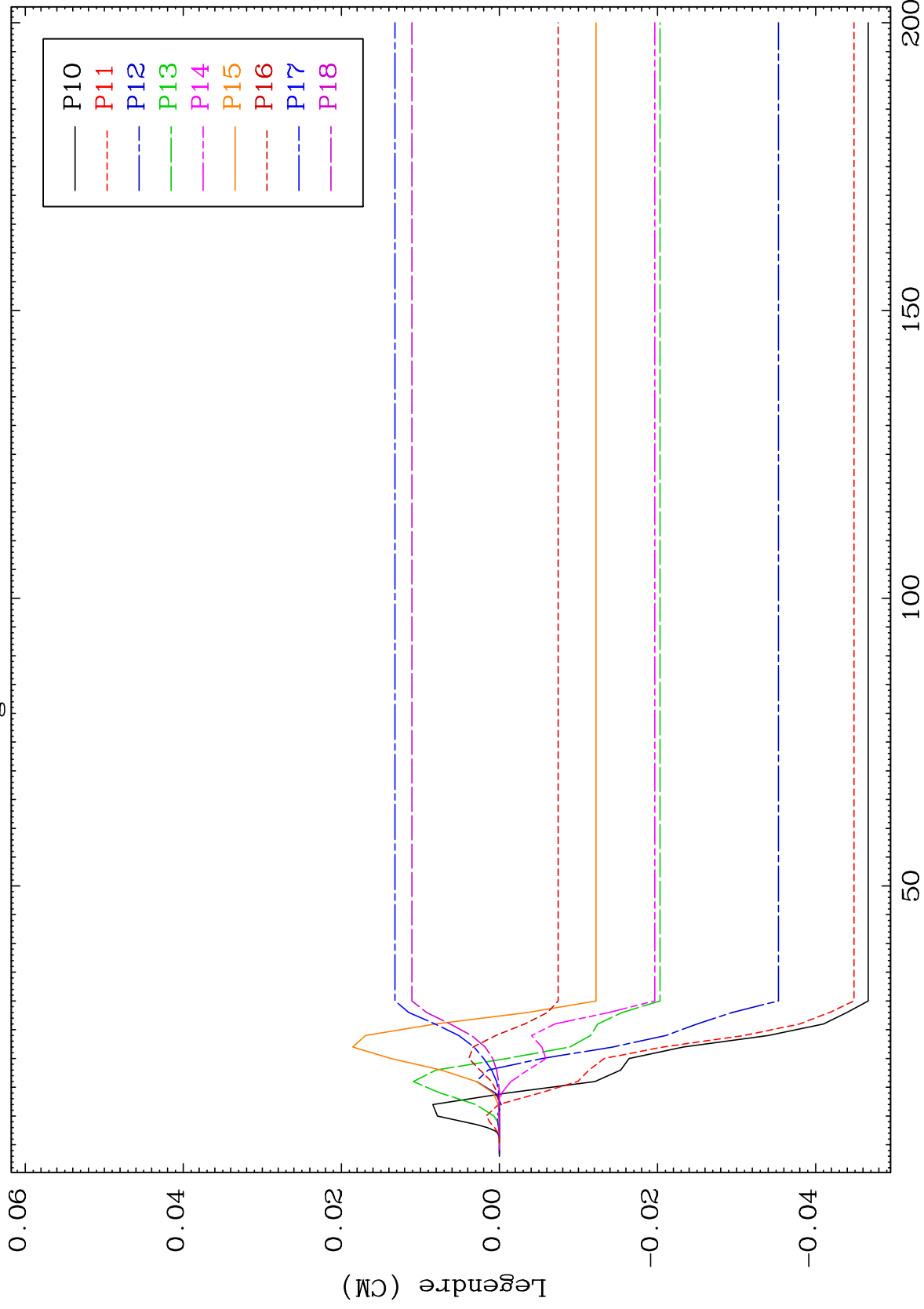
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



96

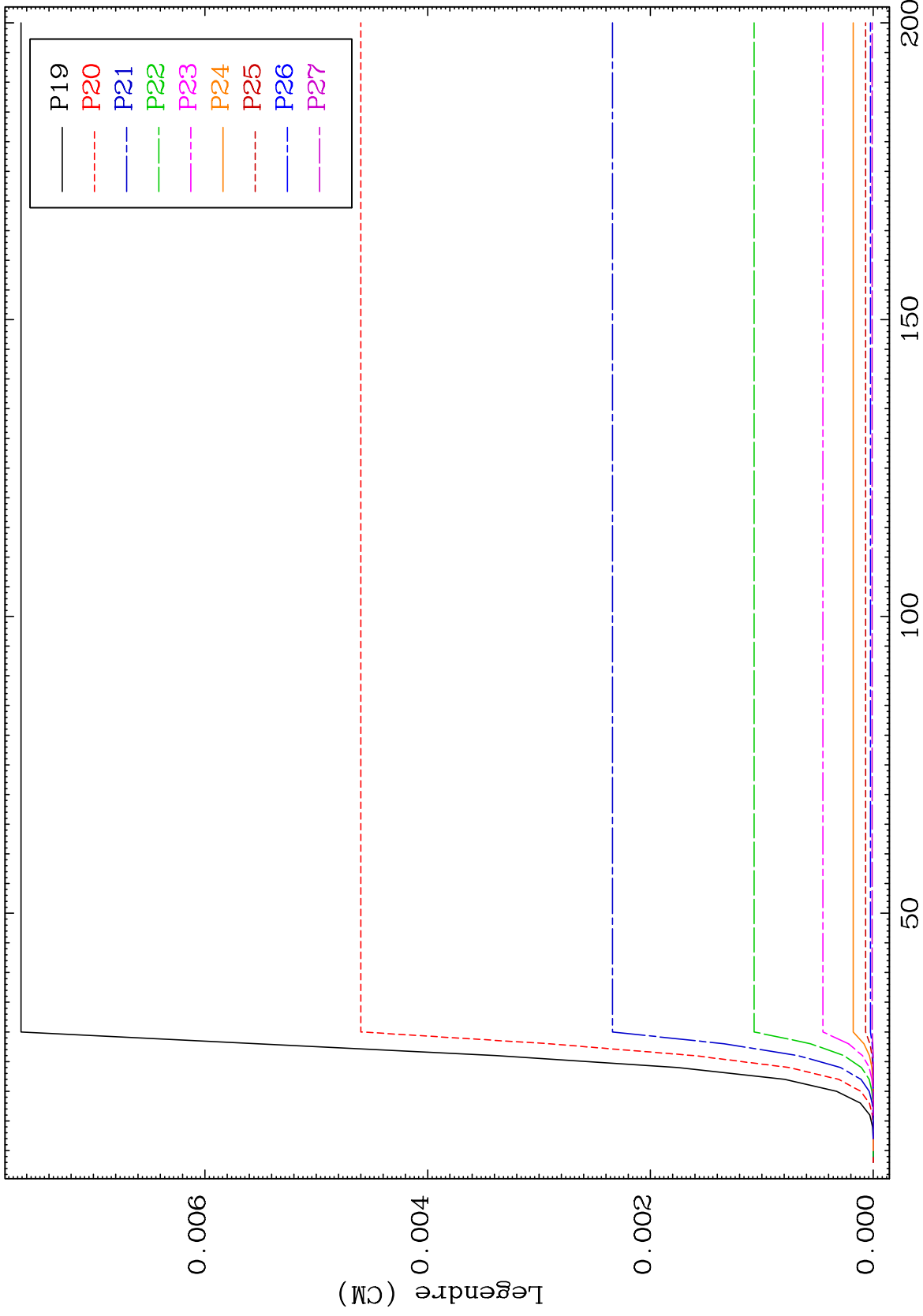
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



97

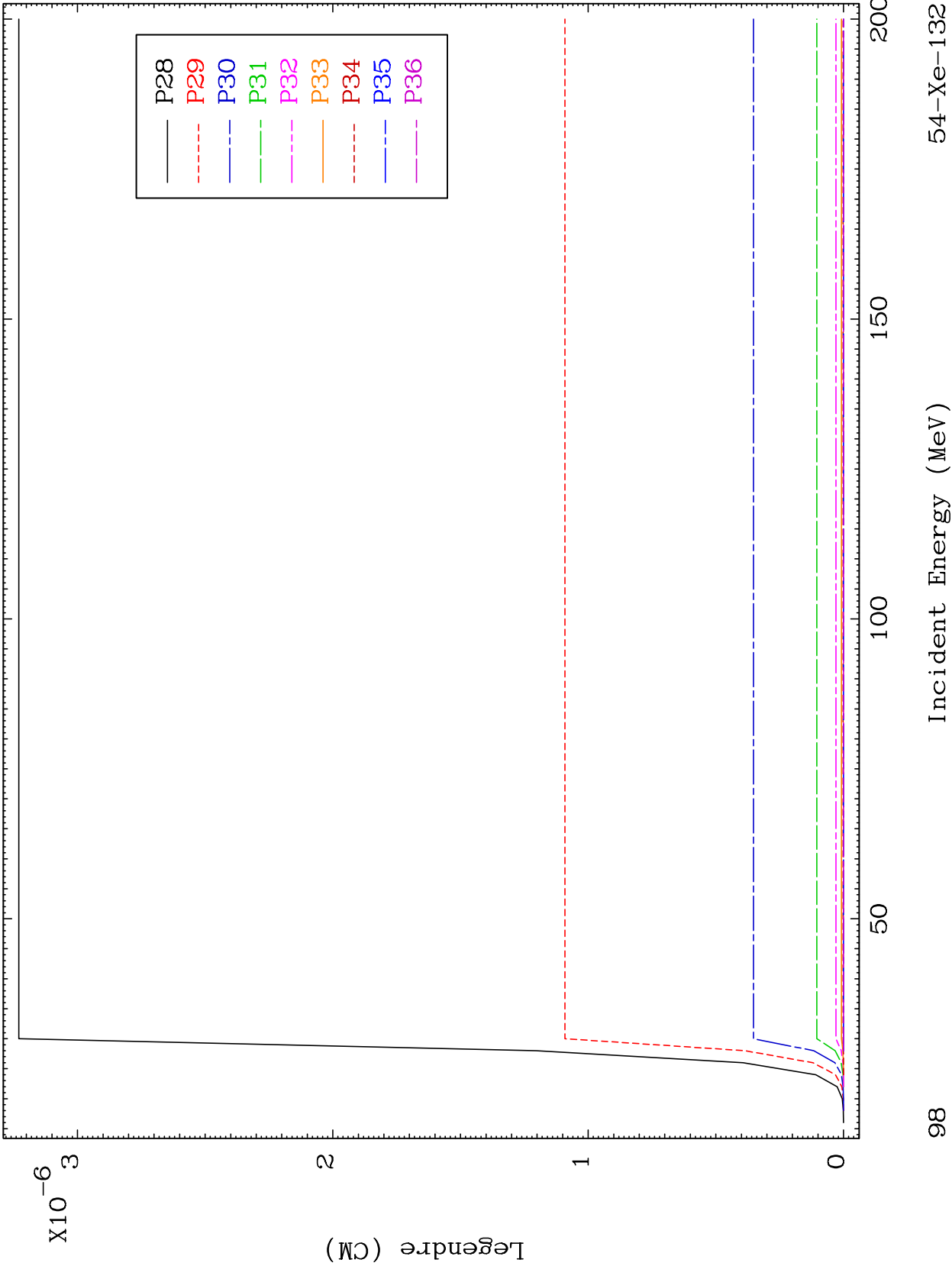
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

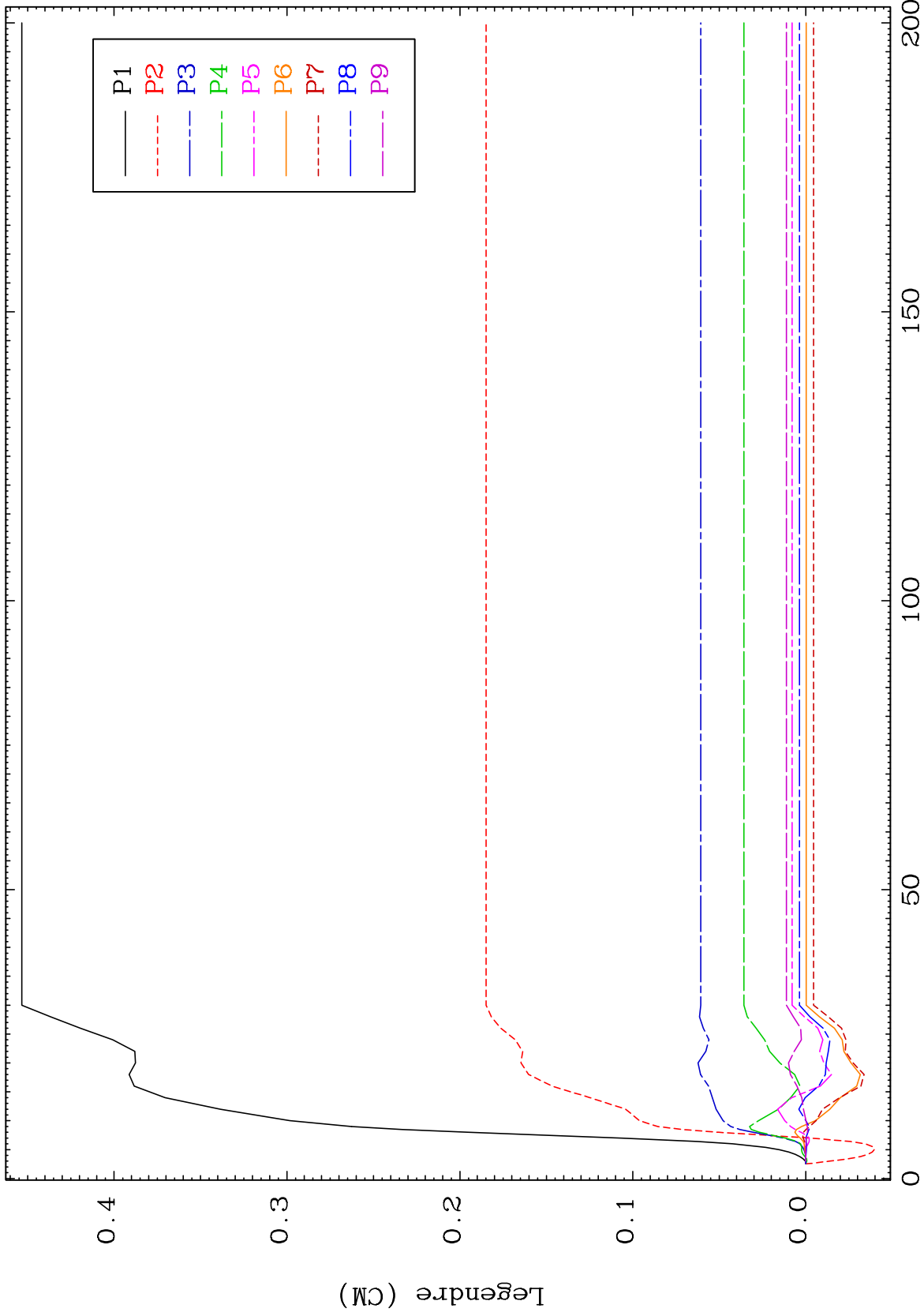
54-Xe-132



MAT 5449

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

54-Xe-132



99

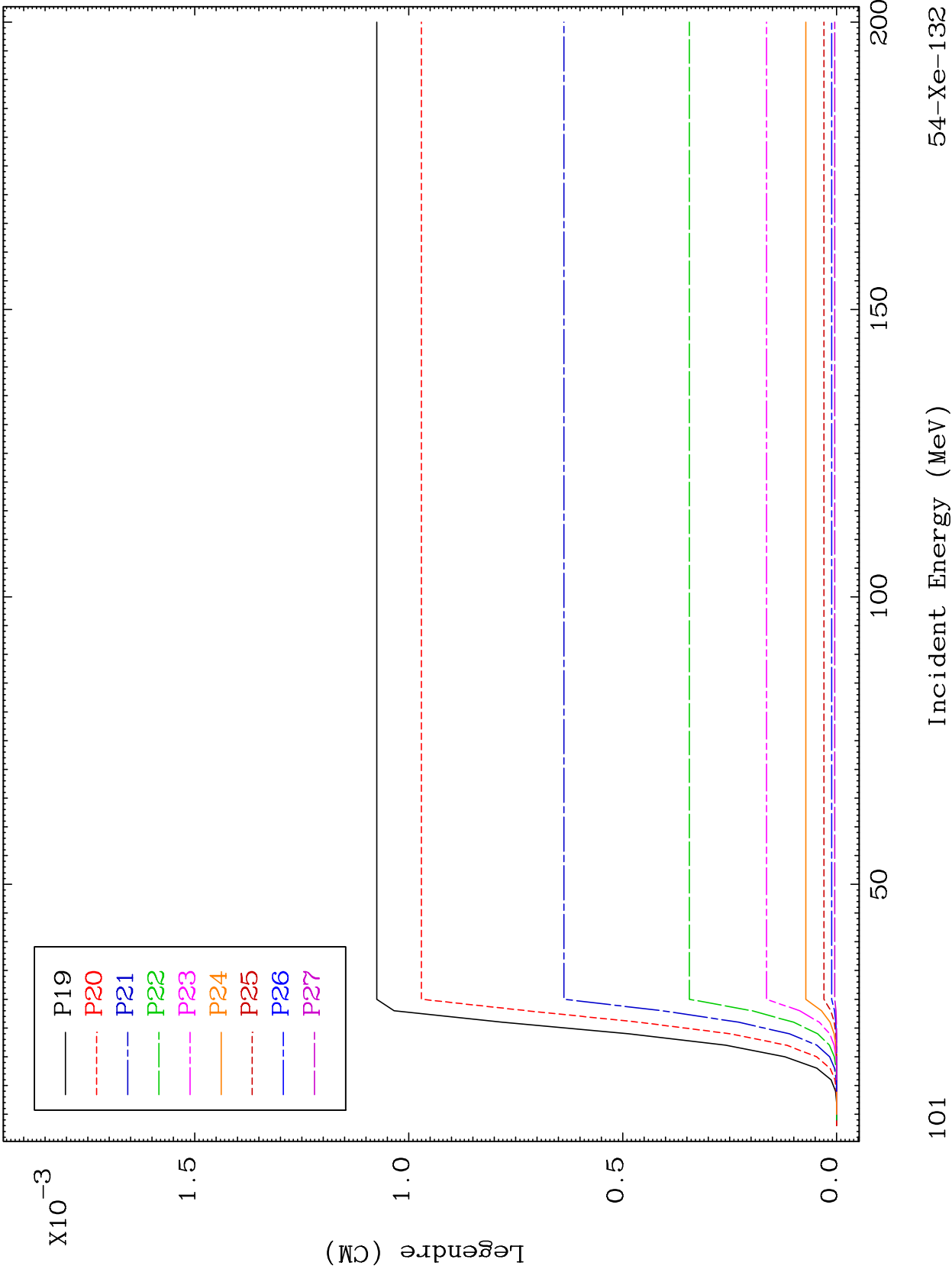
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



101

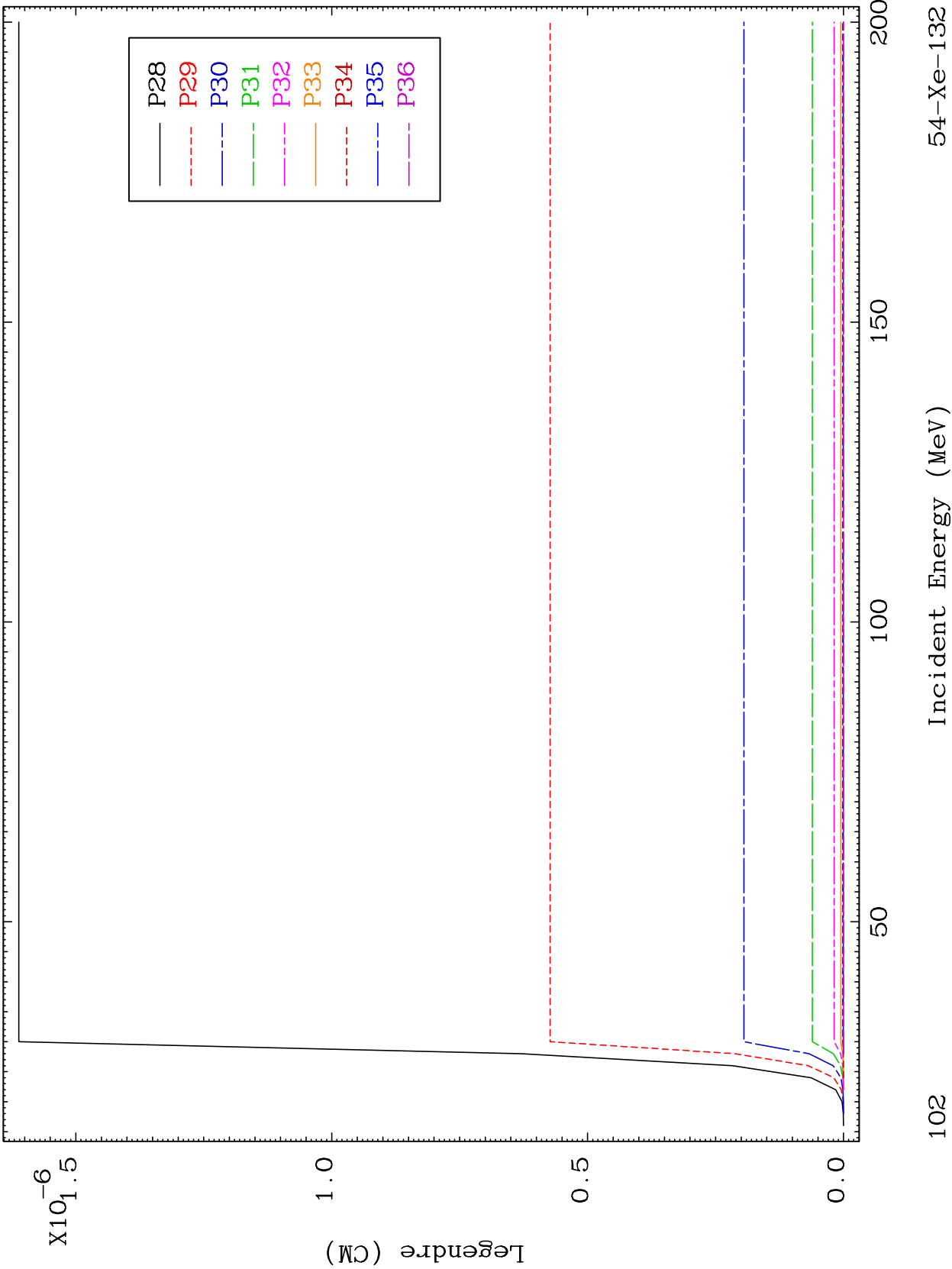
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



102

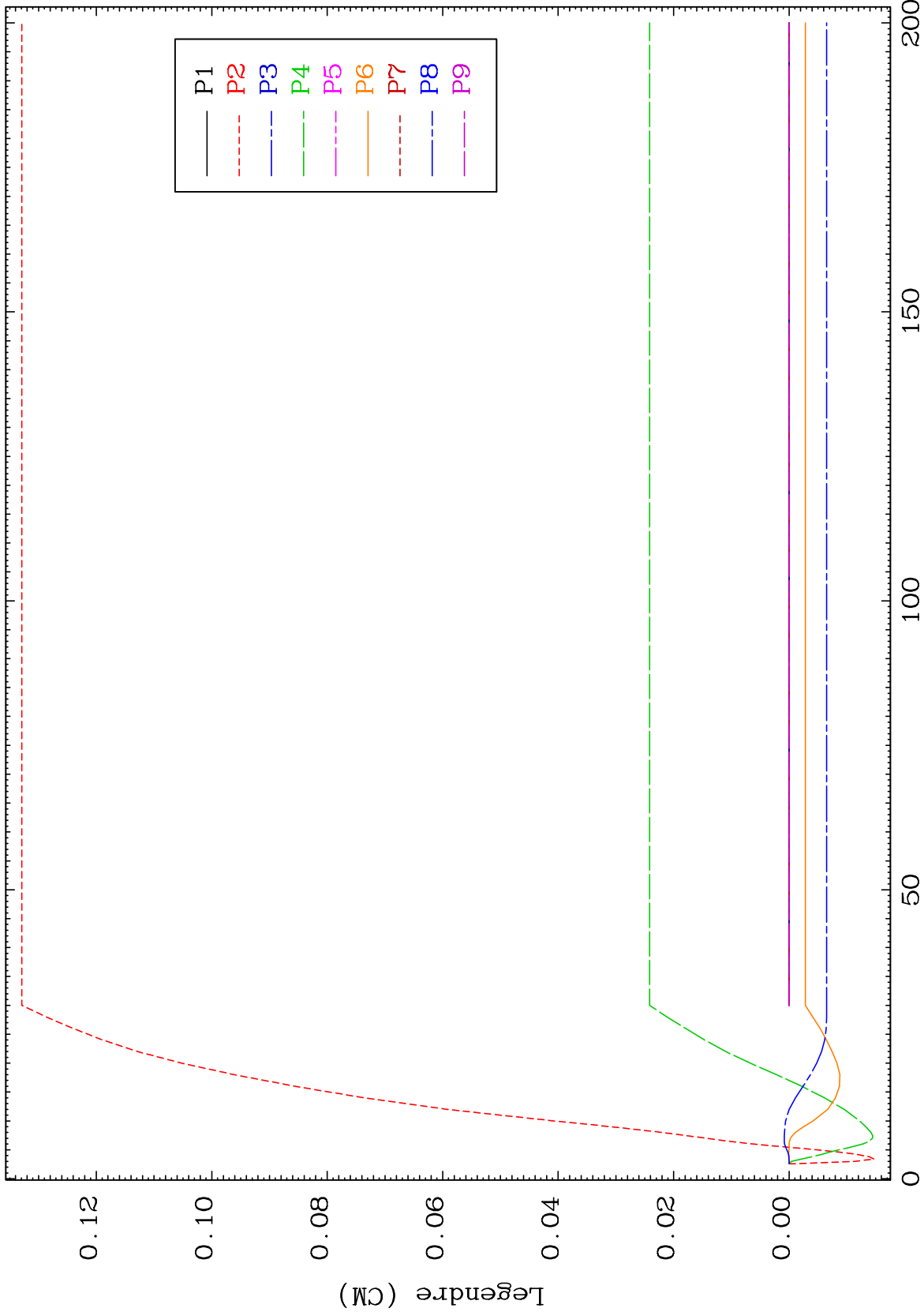
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

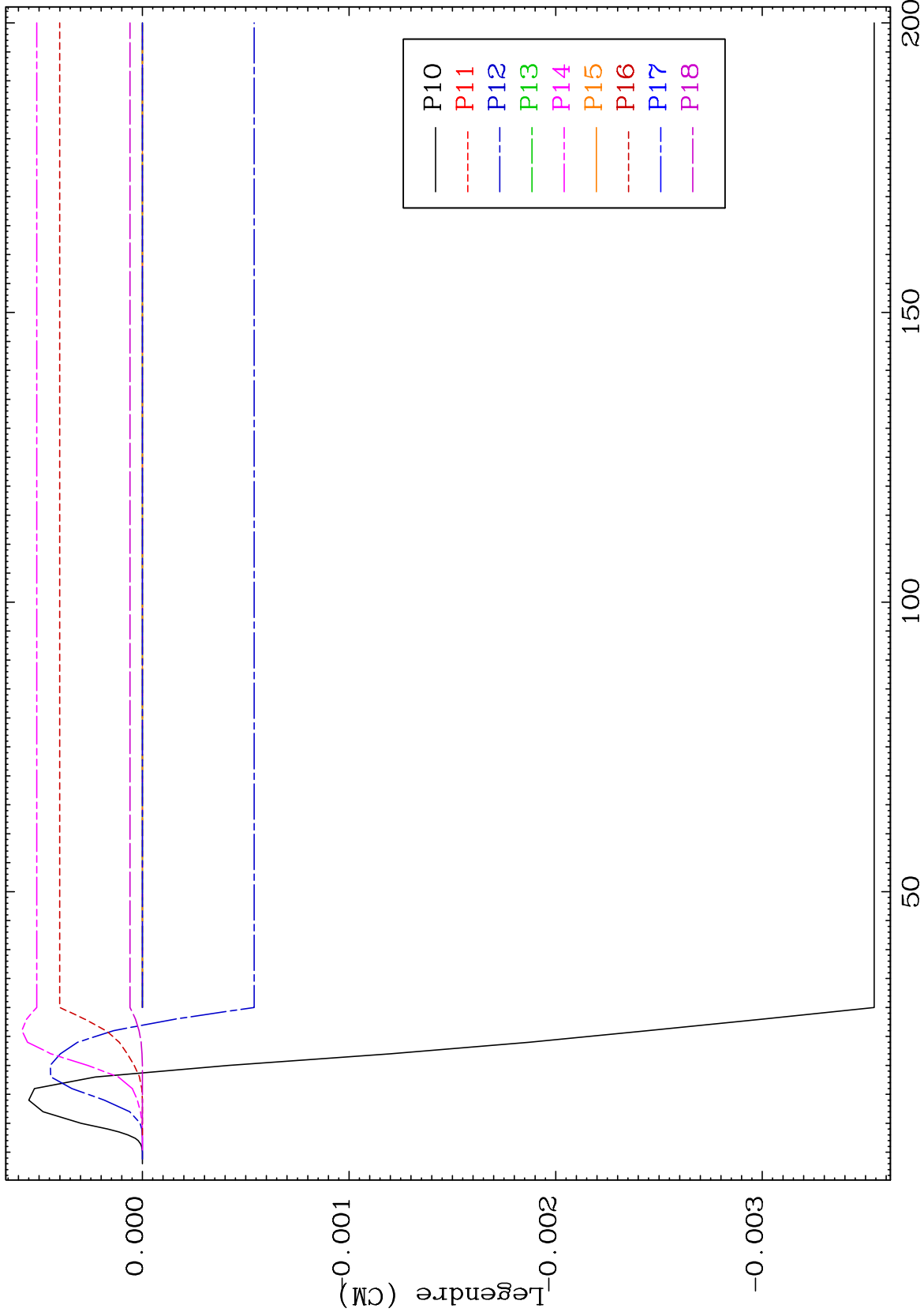
Incident Energy (MeV)

103

MAT 5449

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

54-Xe-132



104

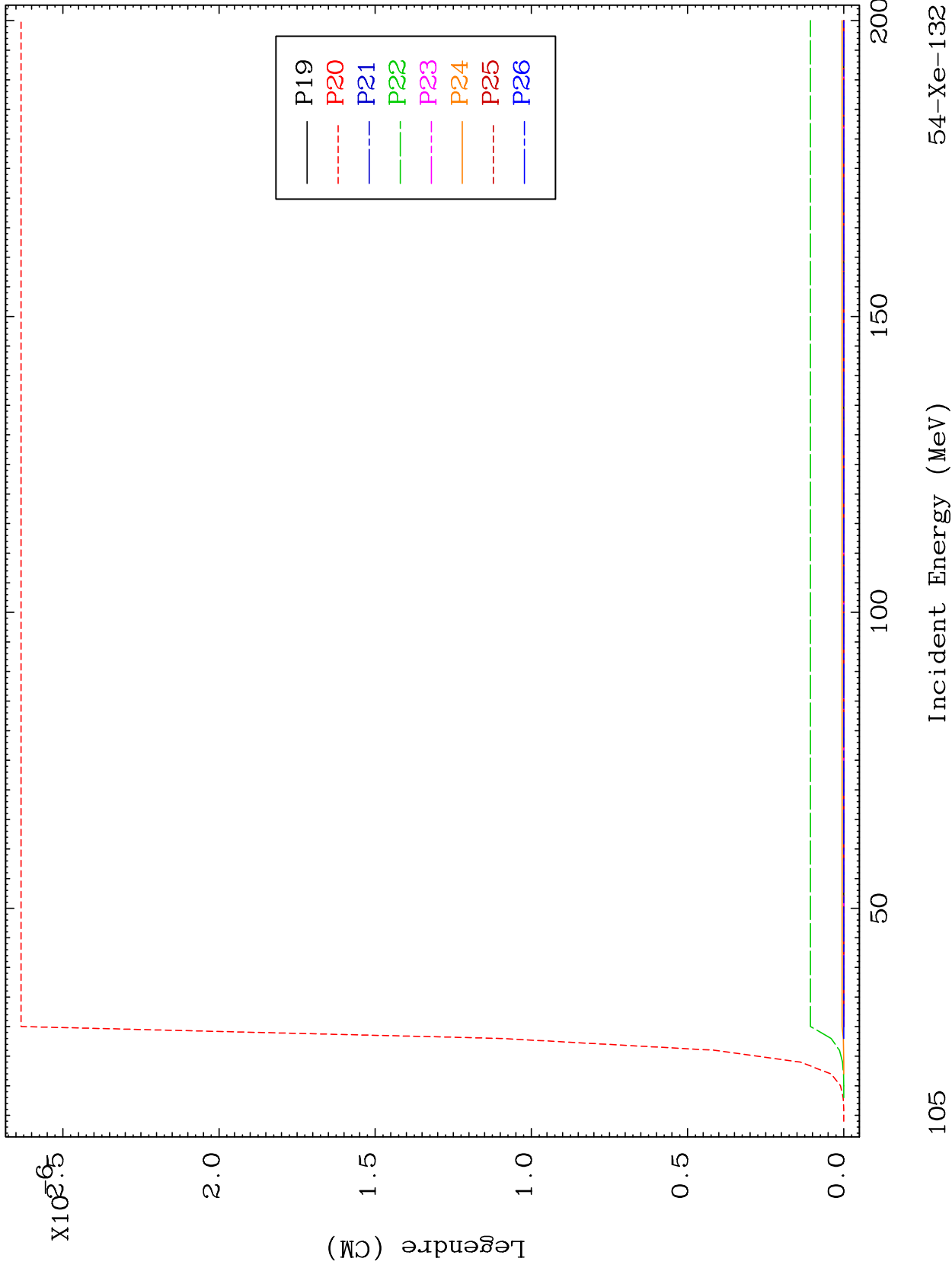
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

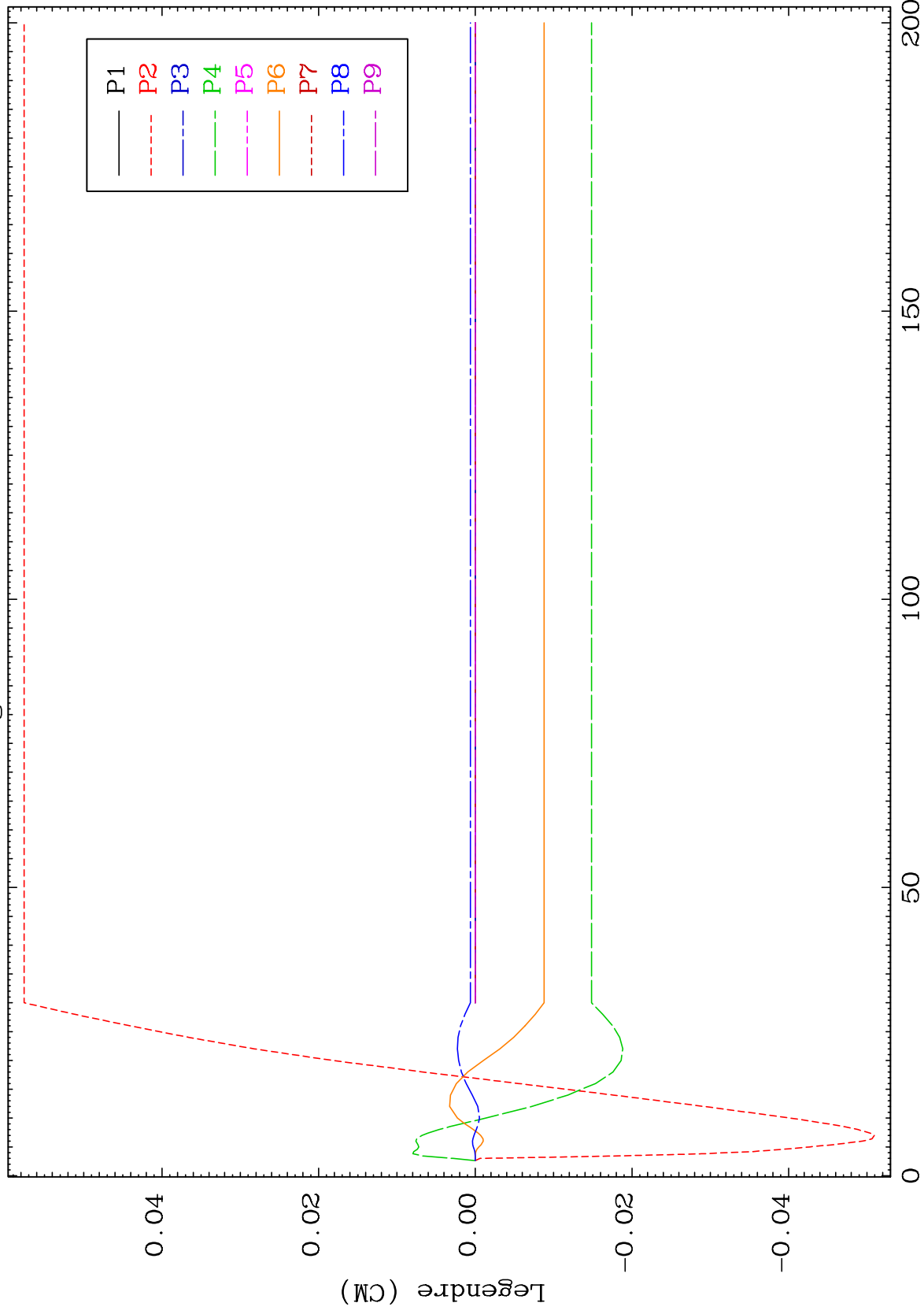
Incident Energy (MeV)

105

MAT 5449

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

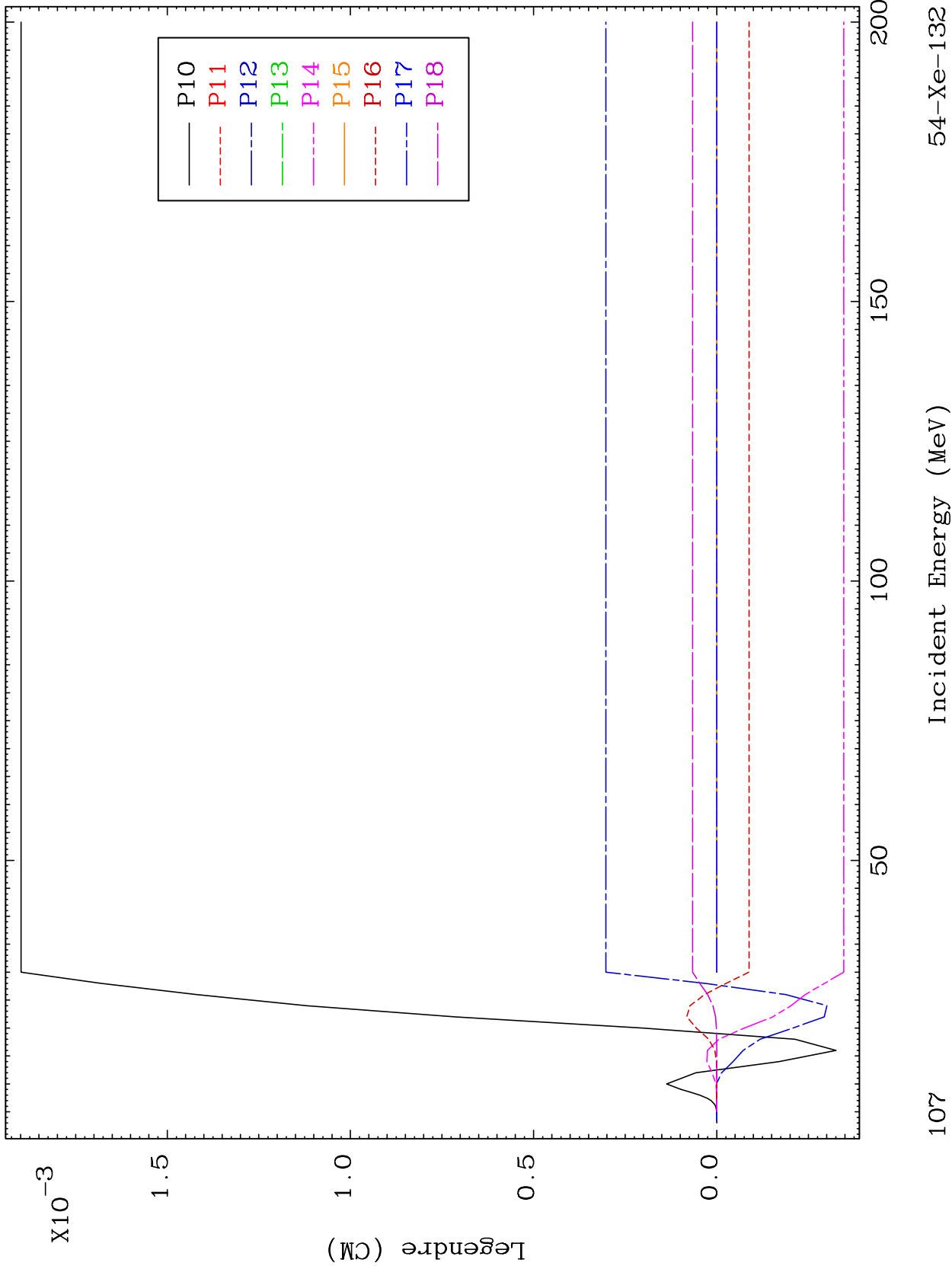
54-Xe-132

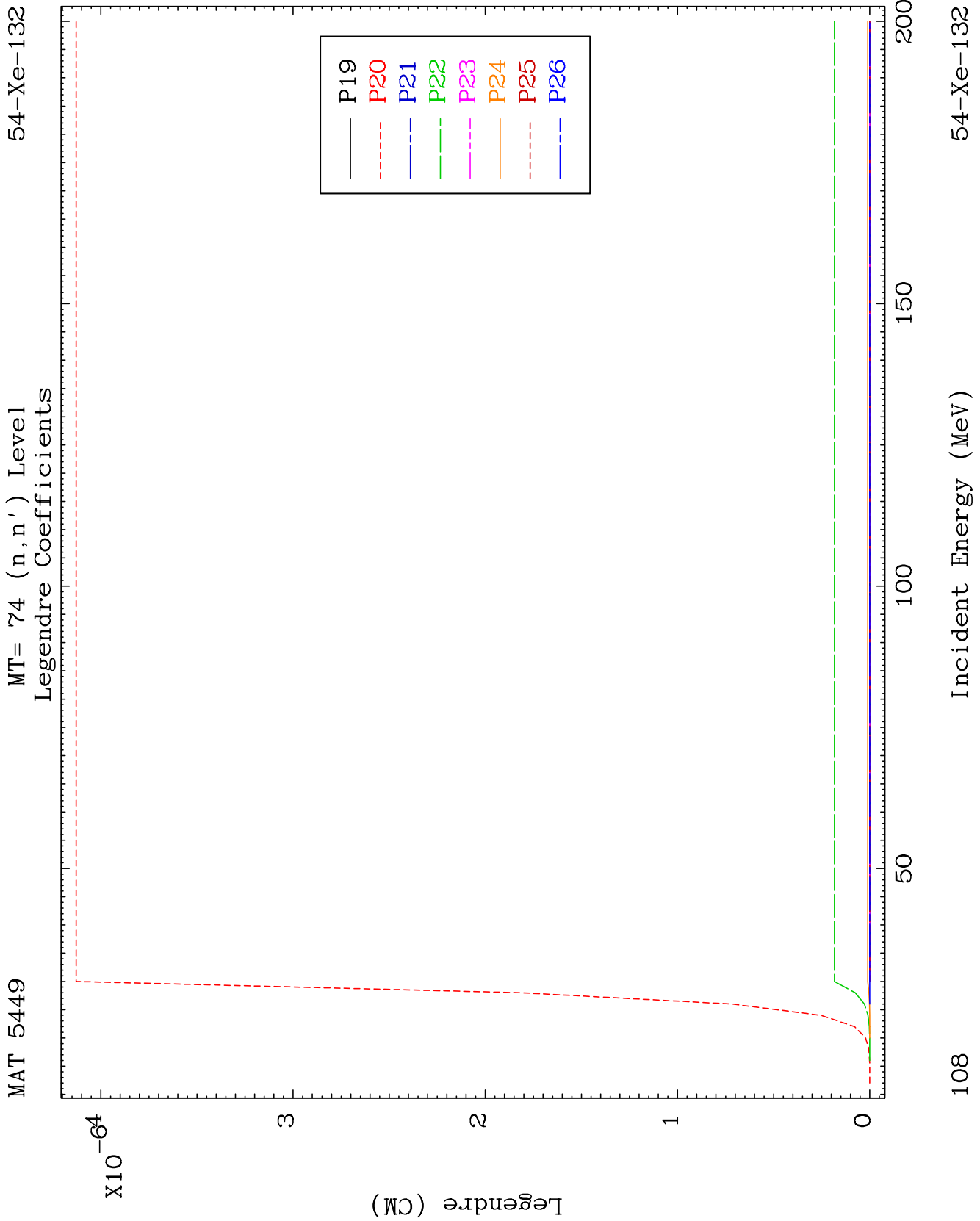


54-Xe-132

Incident Energy (MeV)

106

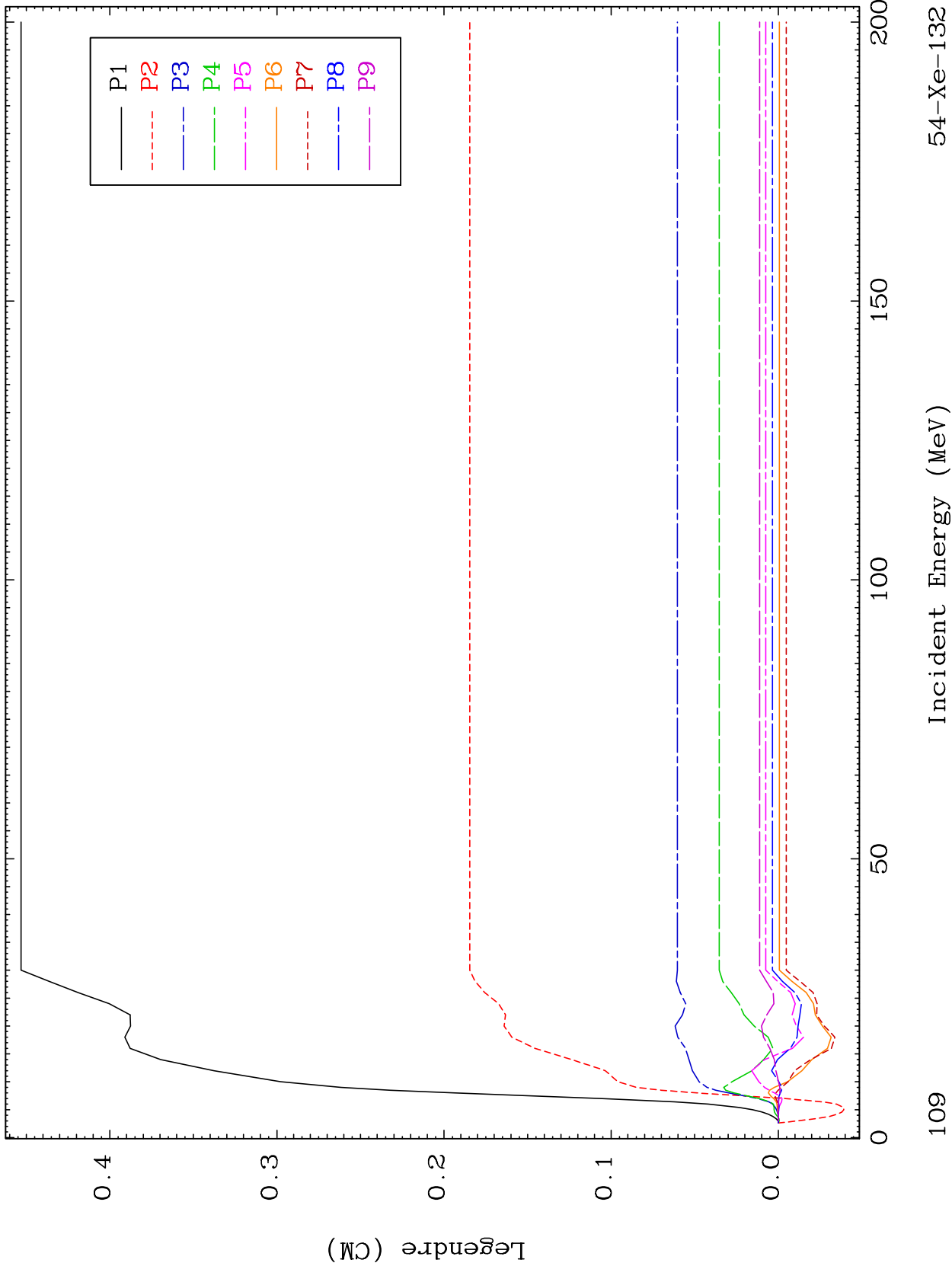




MAT 5449

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

54-Xe-132



54-Xe-132

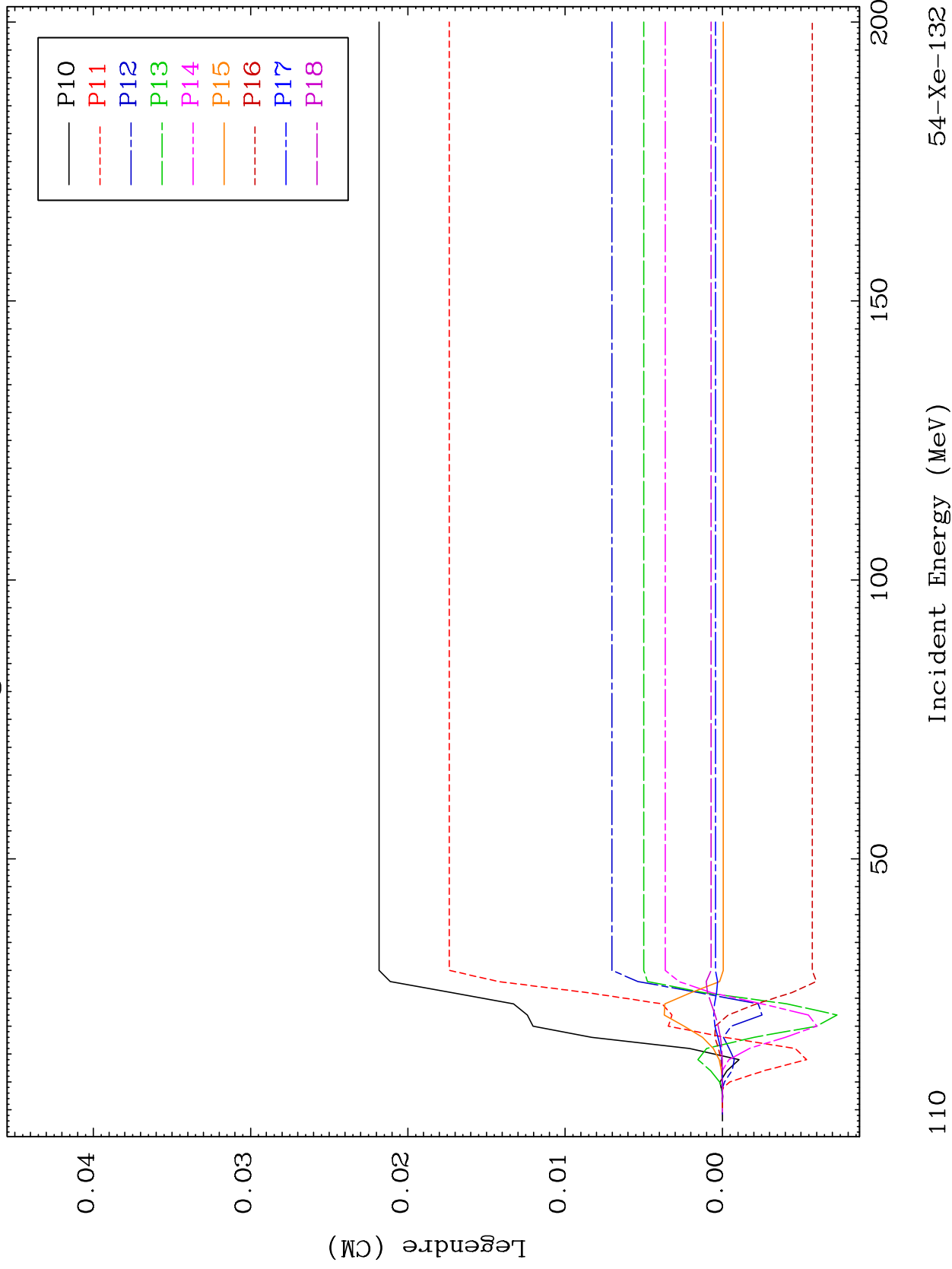
Incident Energy (MeV)

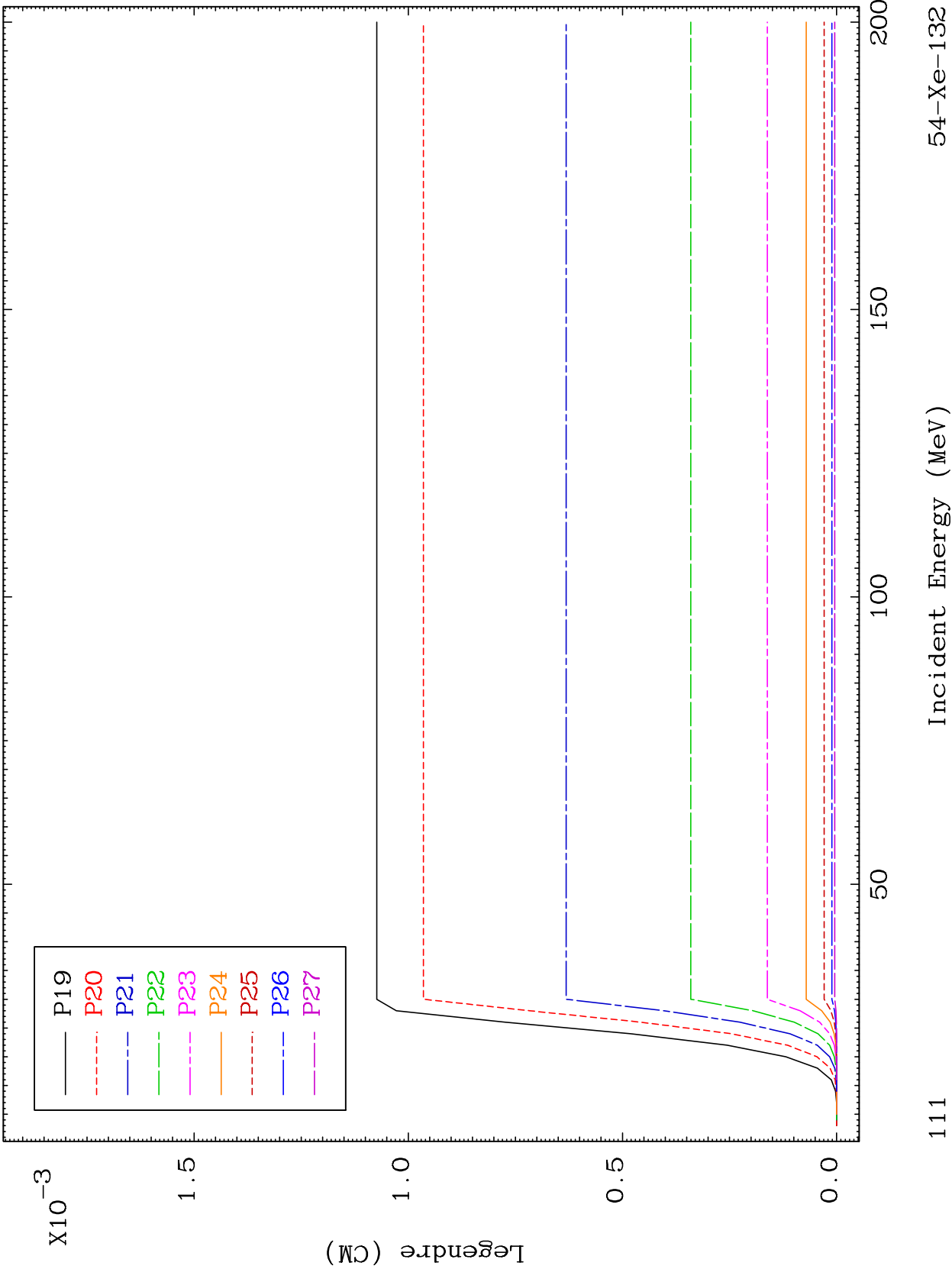
109

MAT 5449

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

54-Xe-132

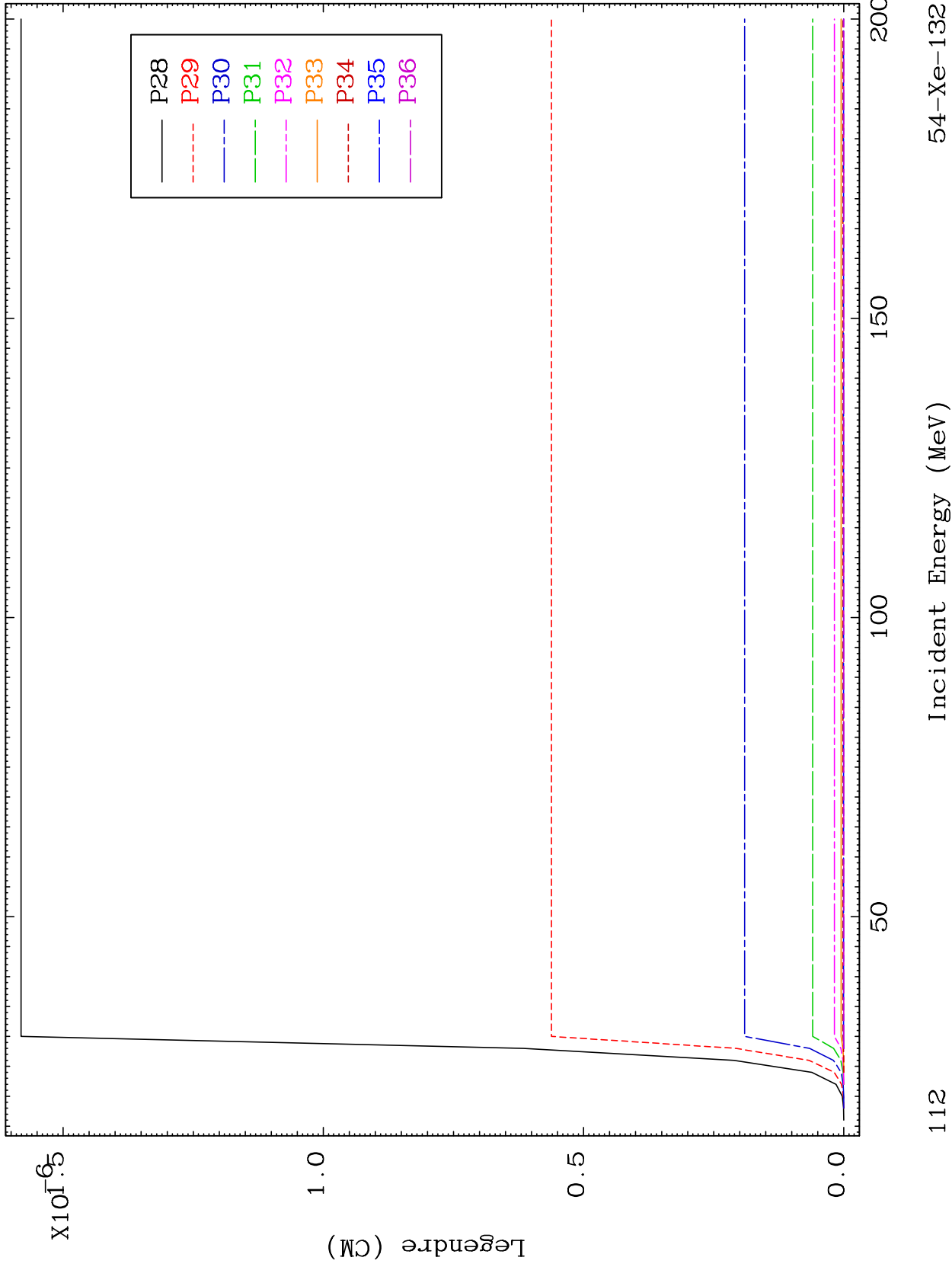




MAT 5449

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

54-Xe-132



112

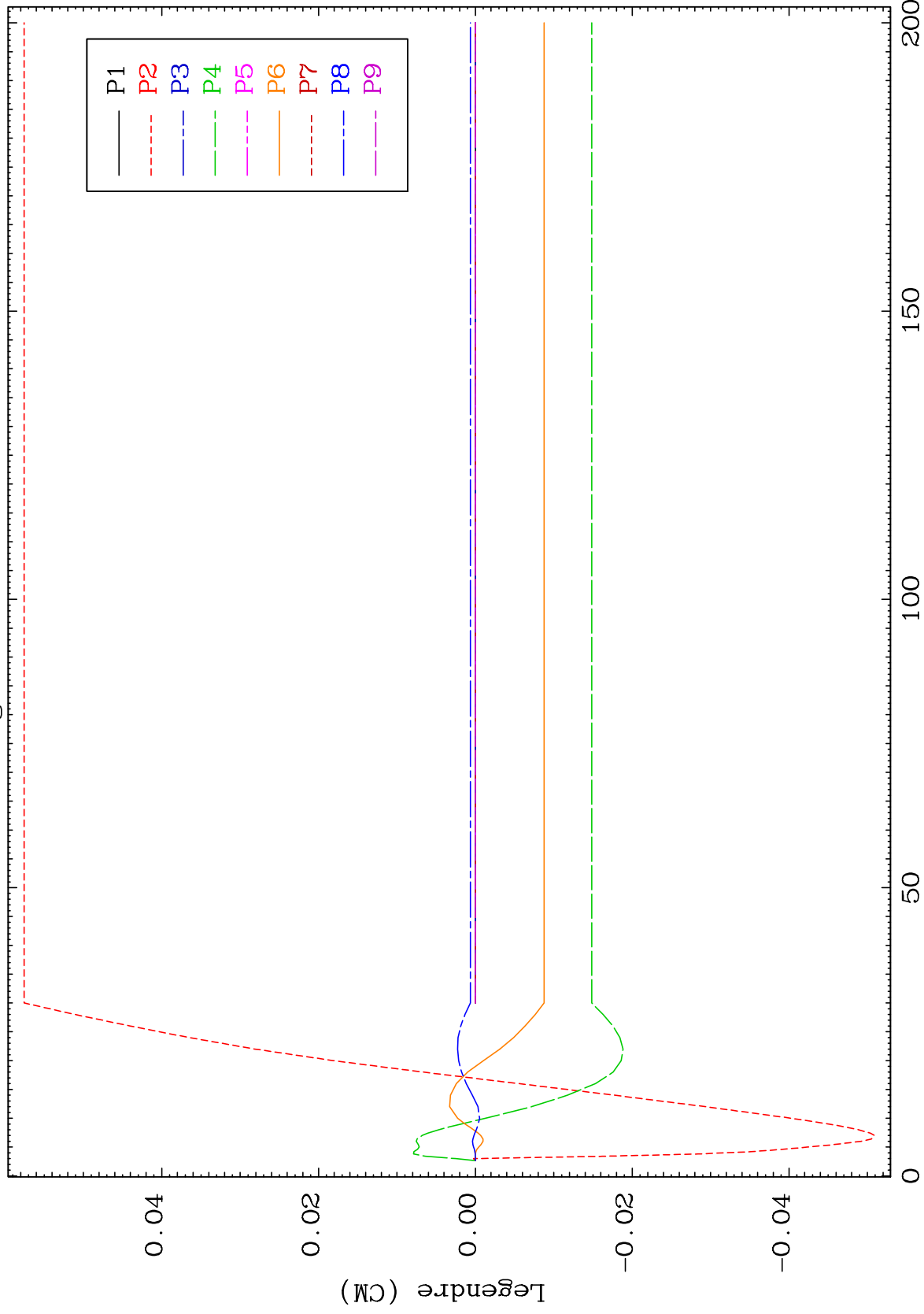
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



113

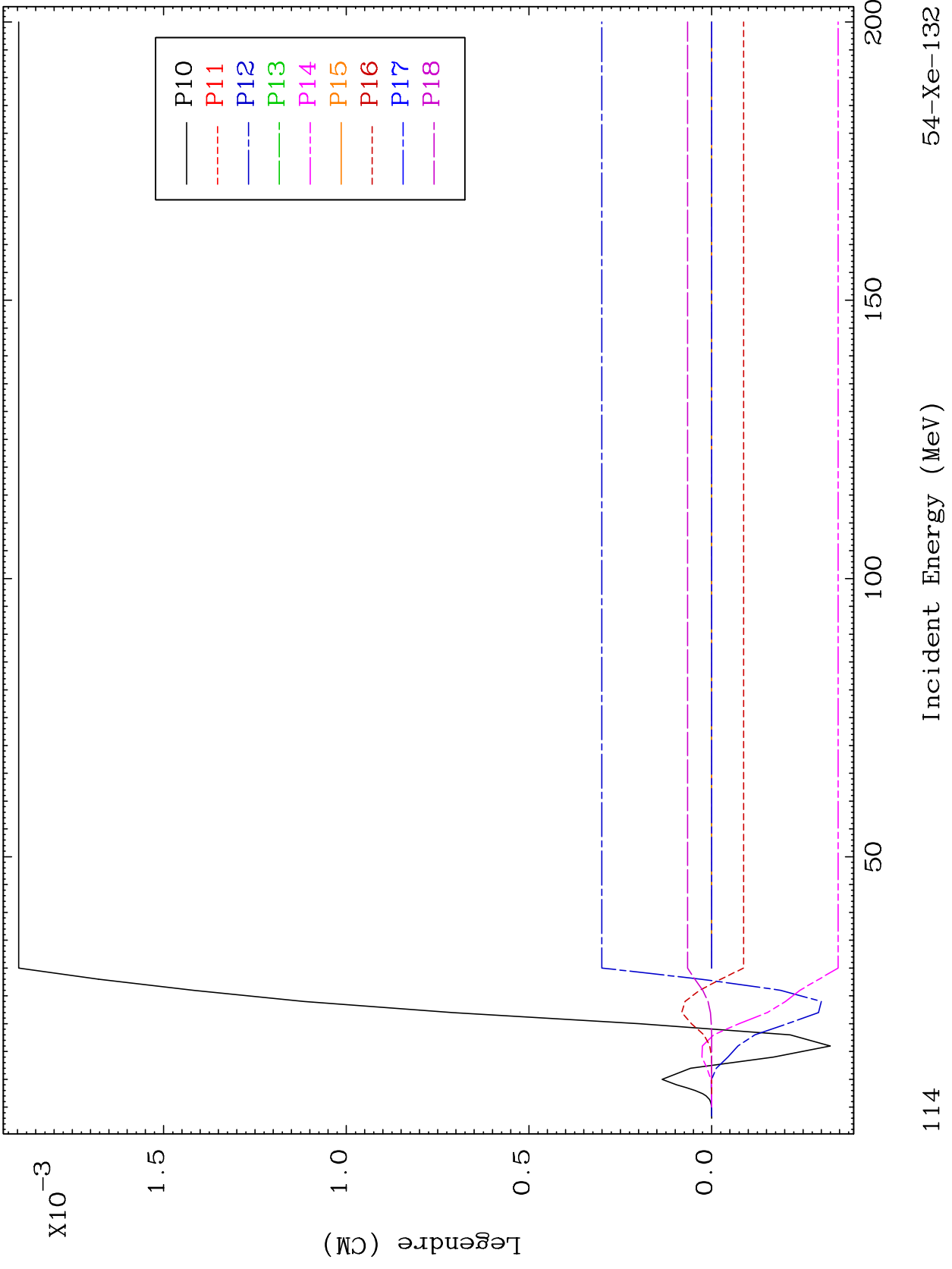
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



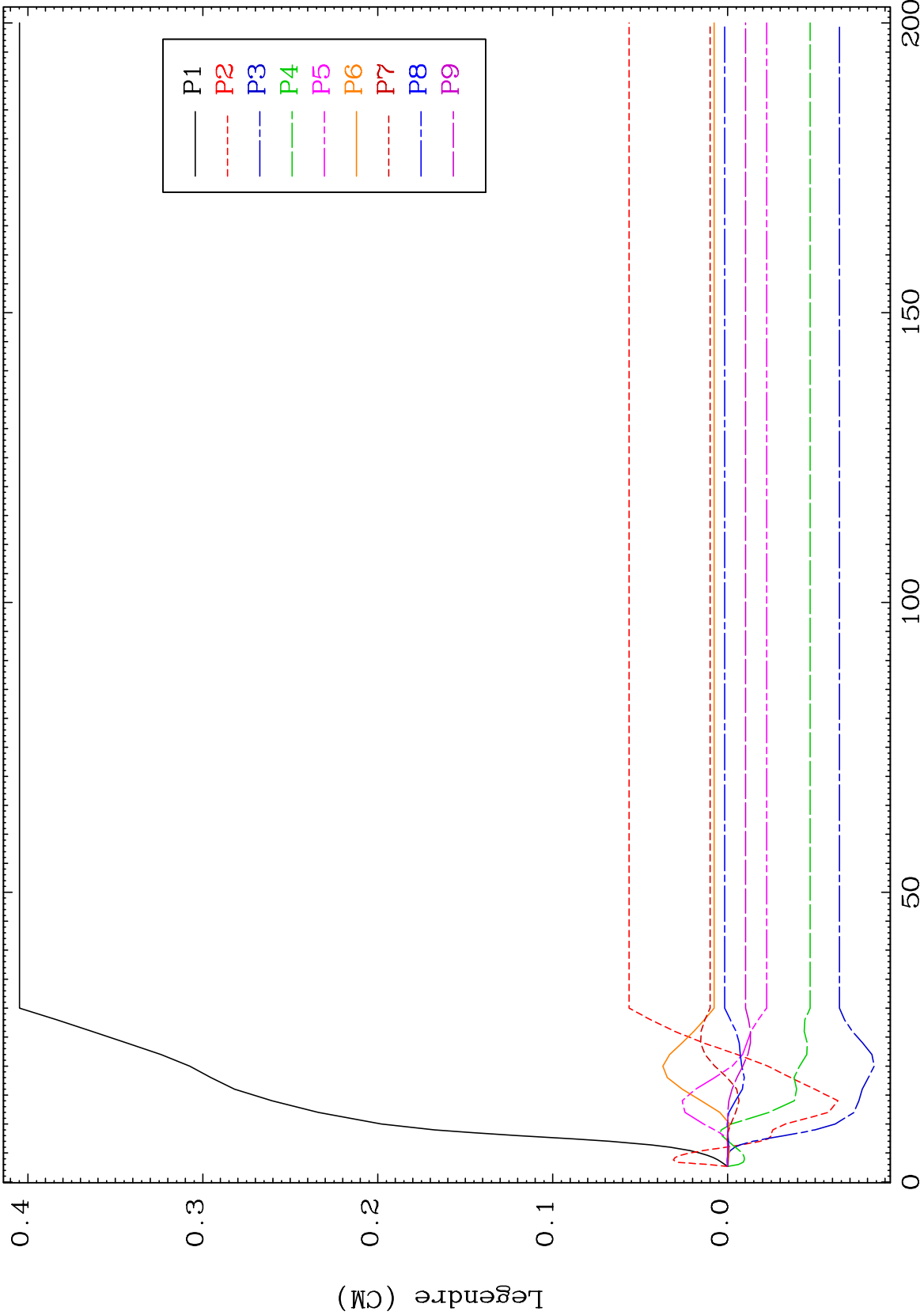
114

54-Xe-132

MAT 5449

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

54-Xe-132



116

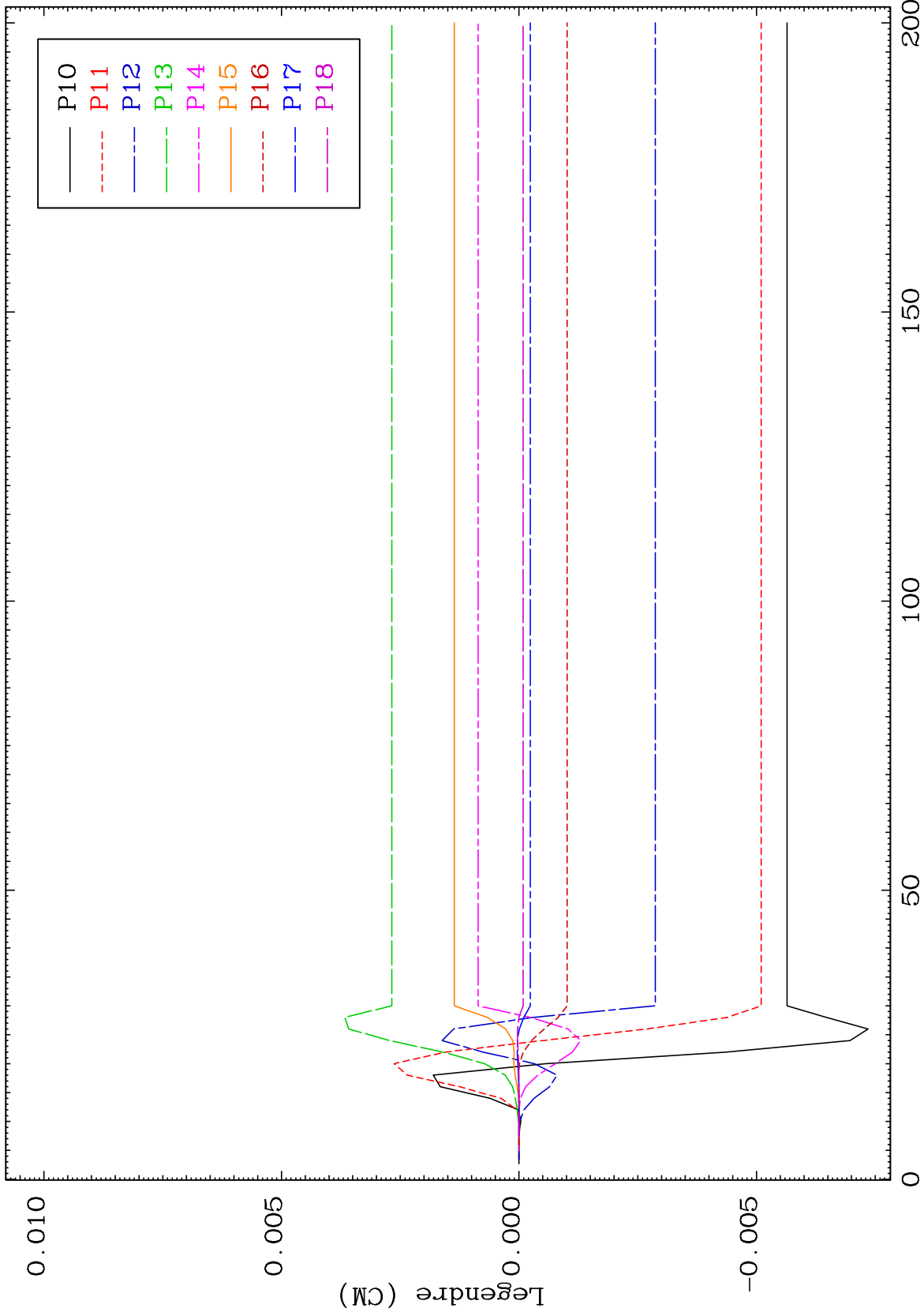
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



117

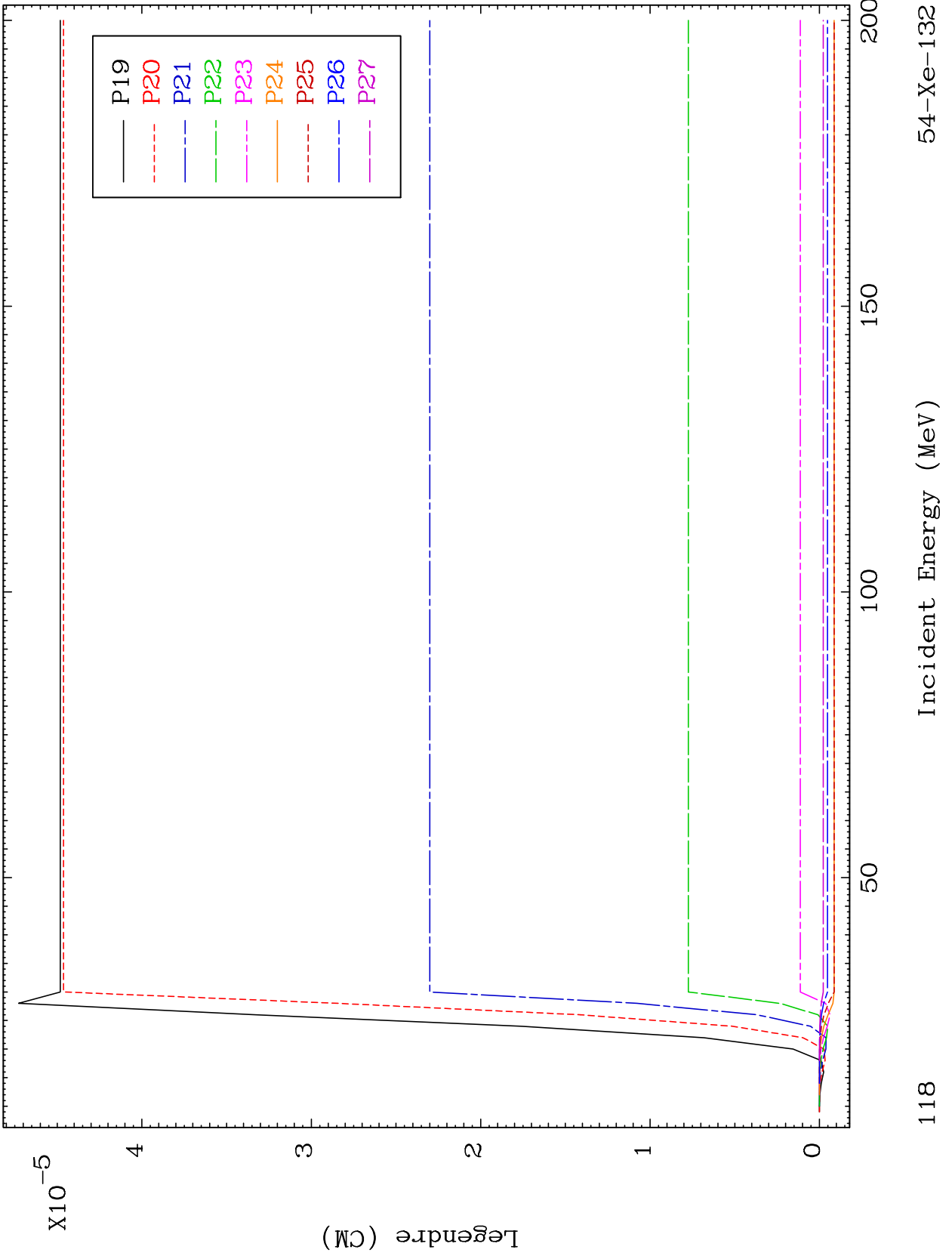
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



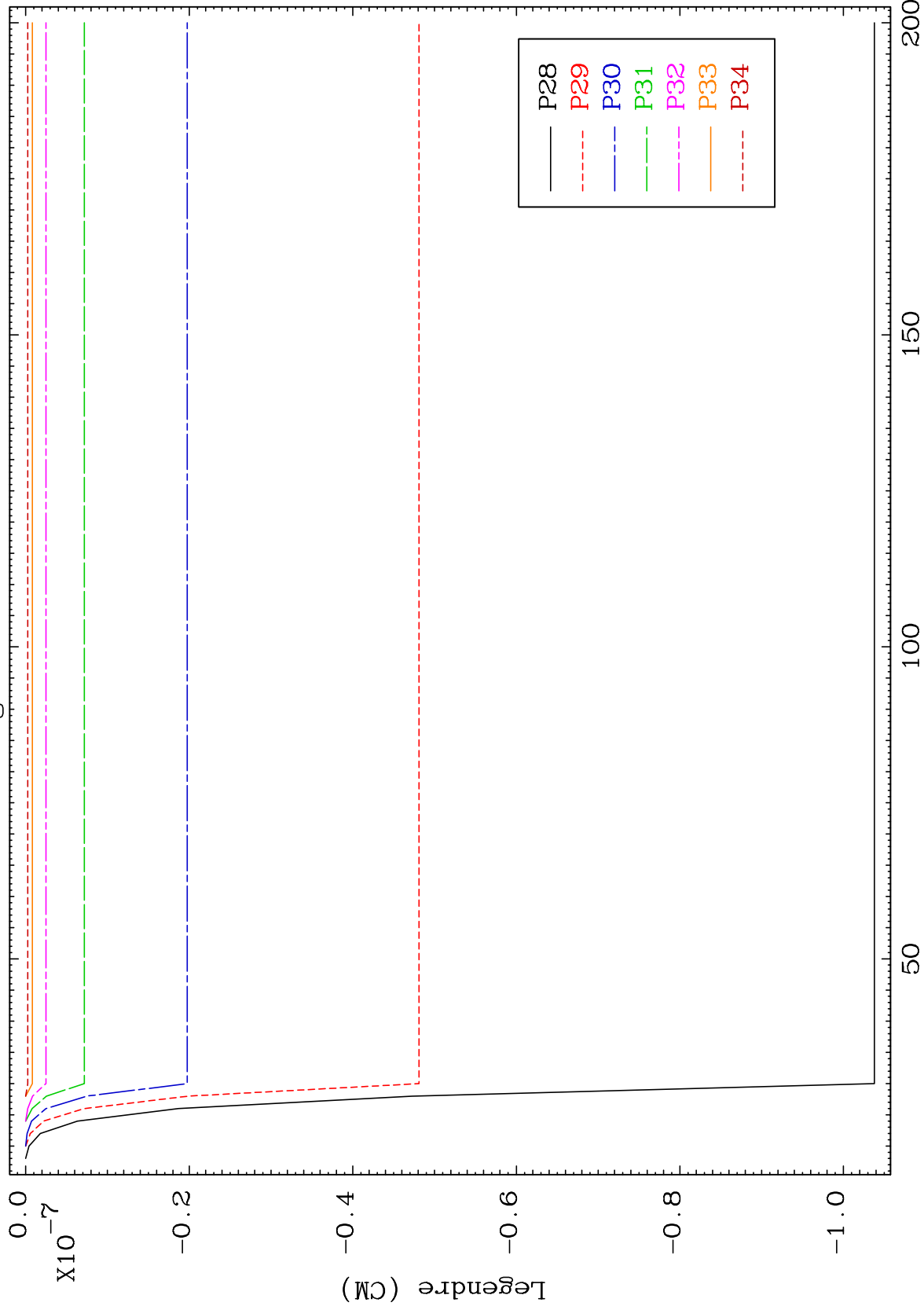
118

MAT 5449

MT= 77 (n,n') Level

54-Xe-132

Legendre Coefficients



119

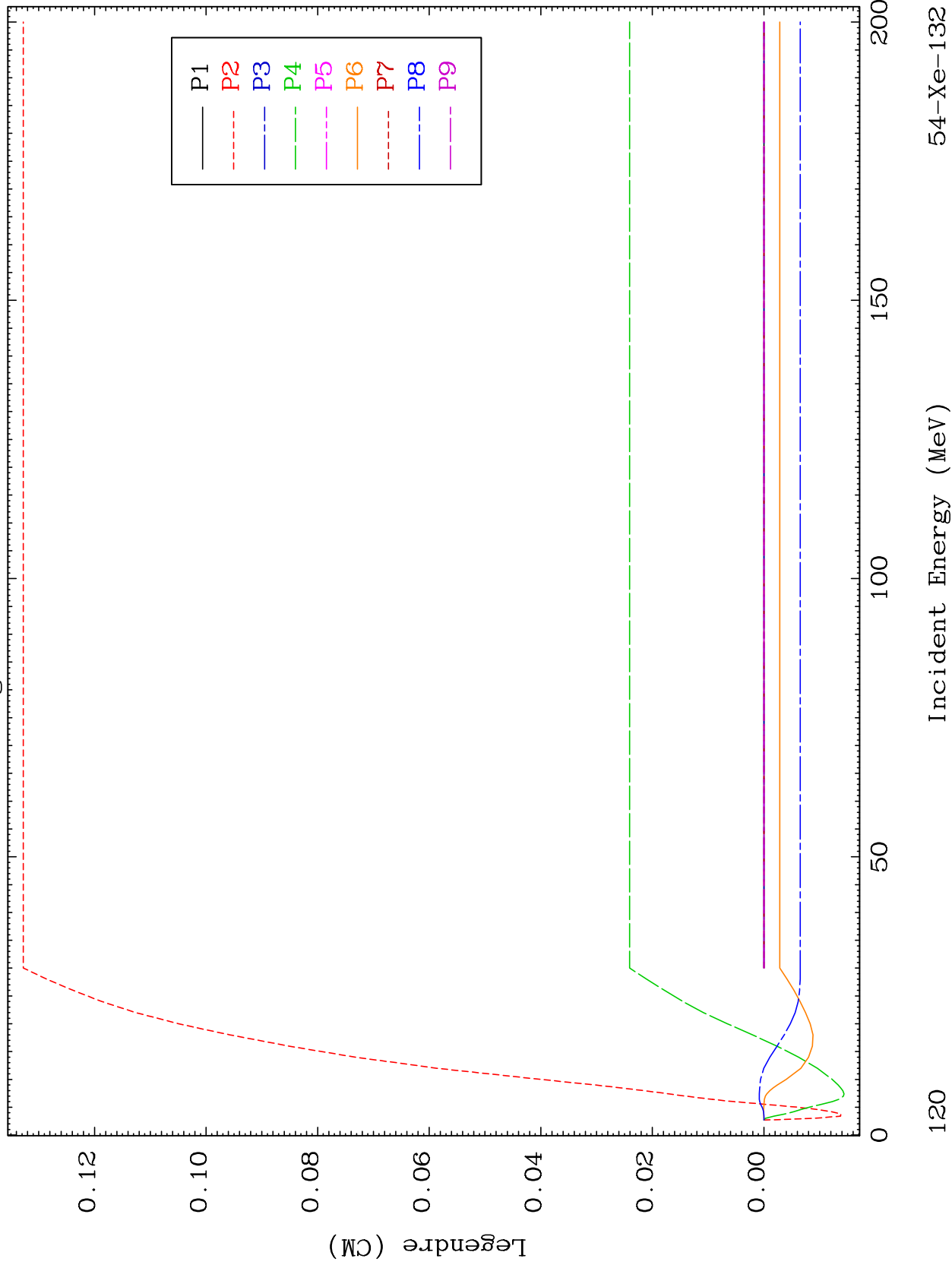
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

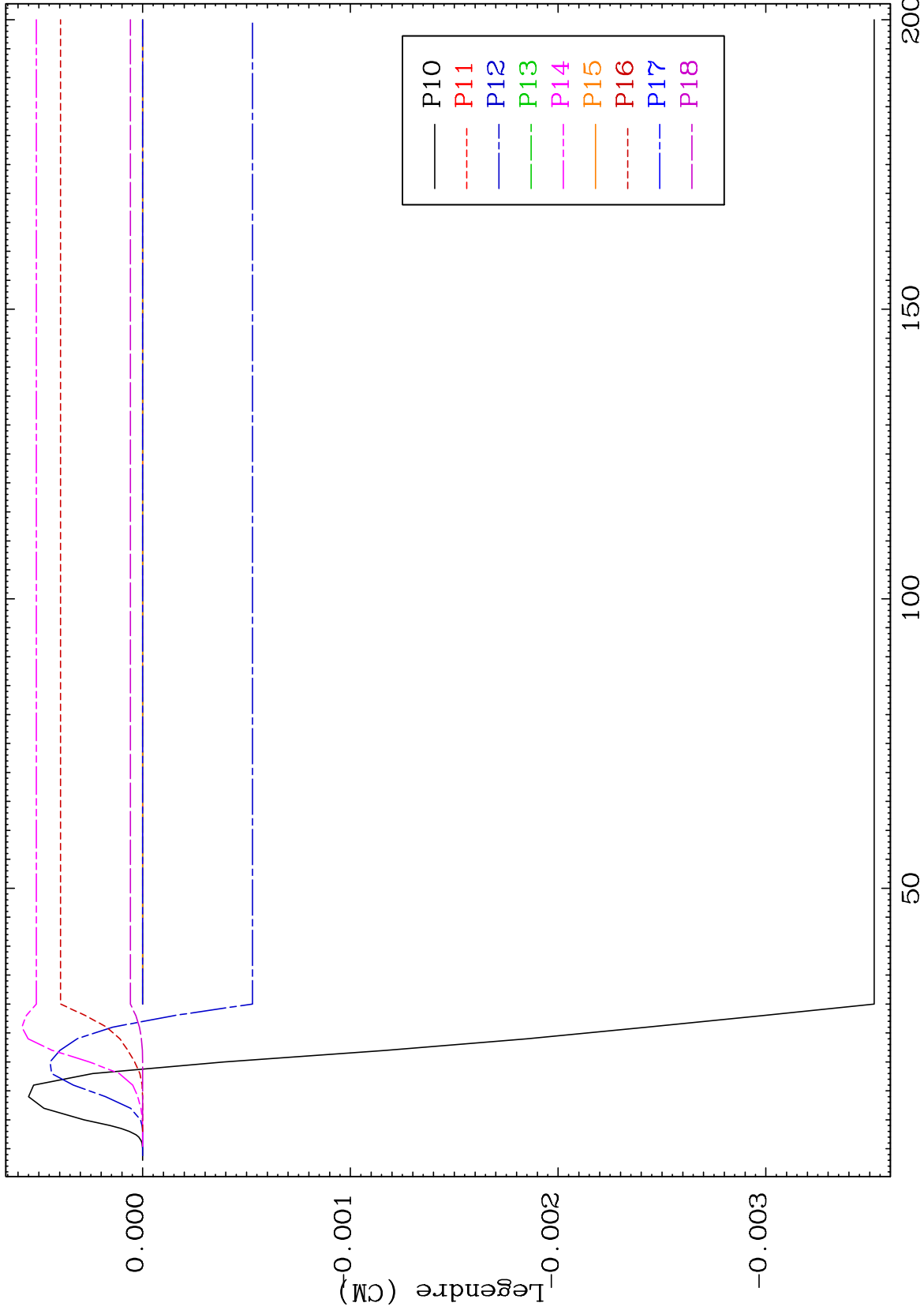


54-Xe-132

MAT 5449

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

54-Xe-132



121

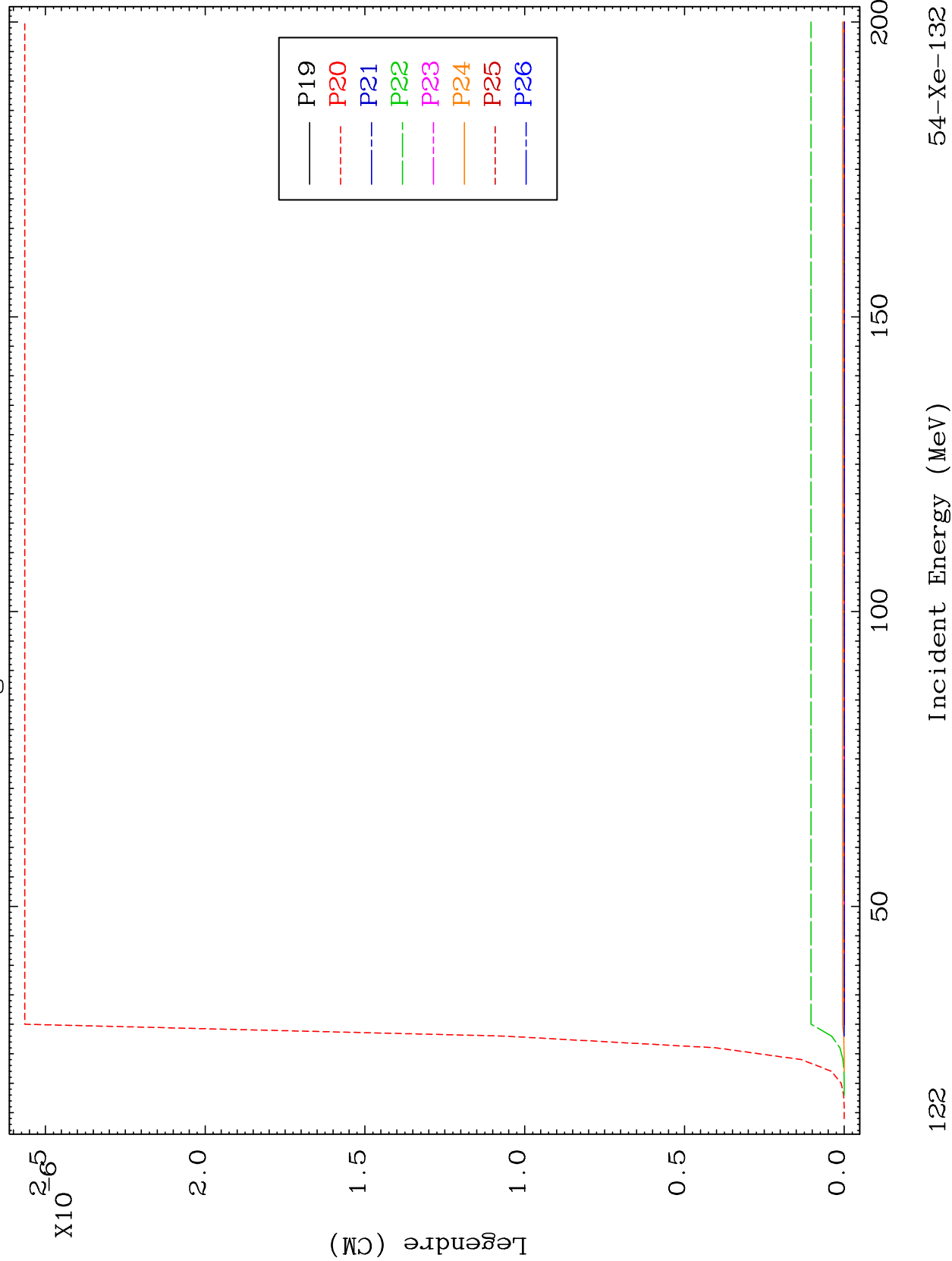
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



122

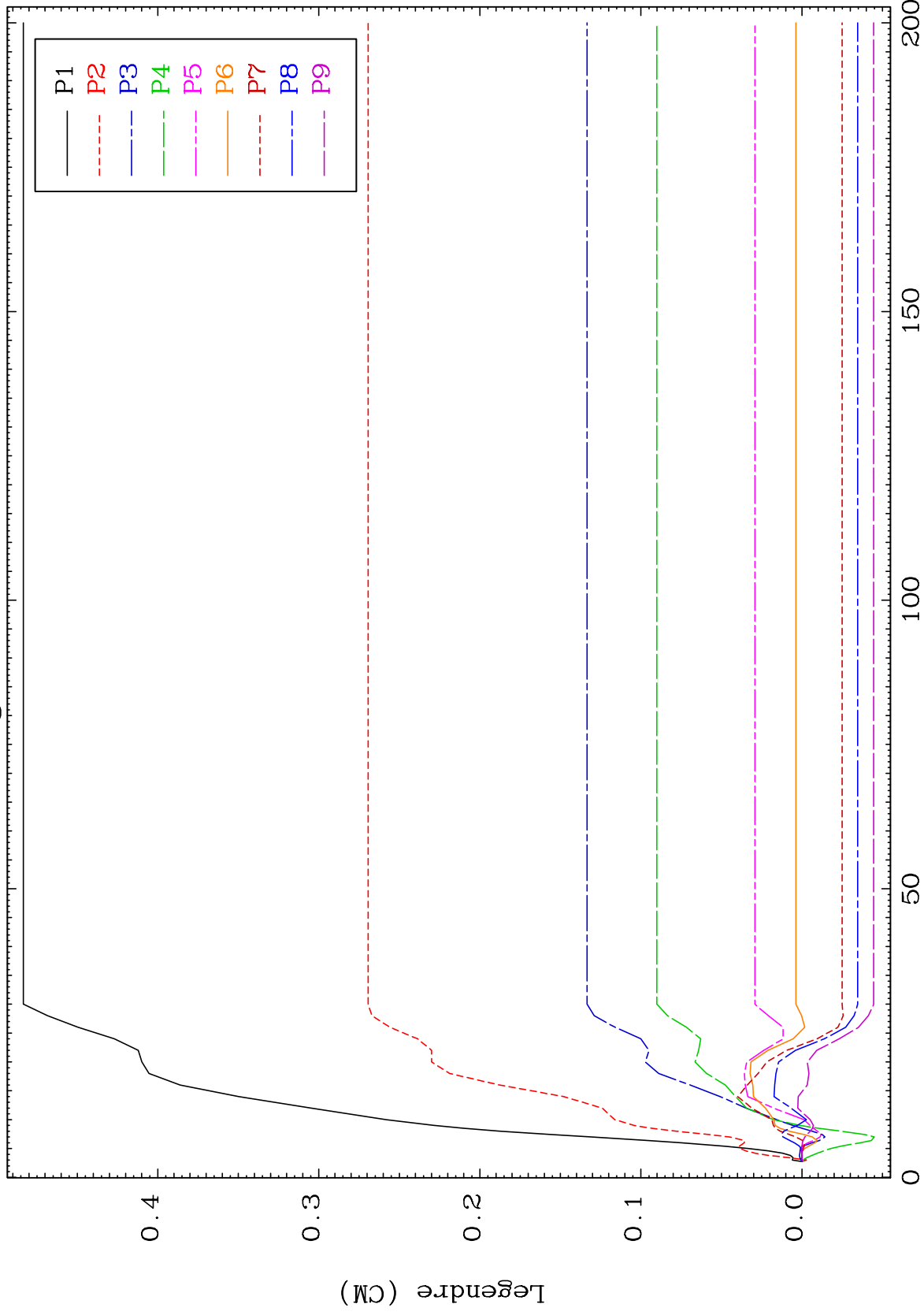
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



123

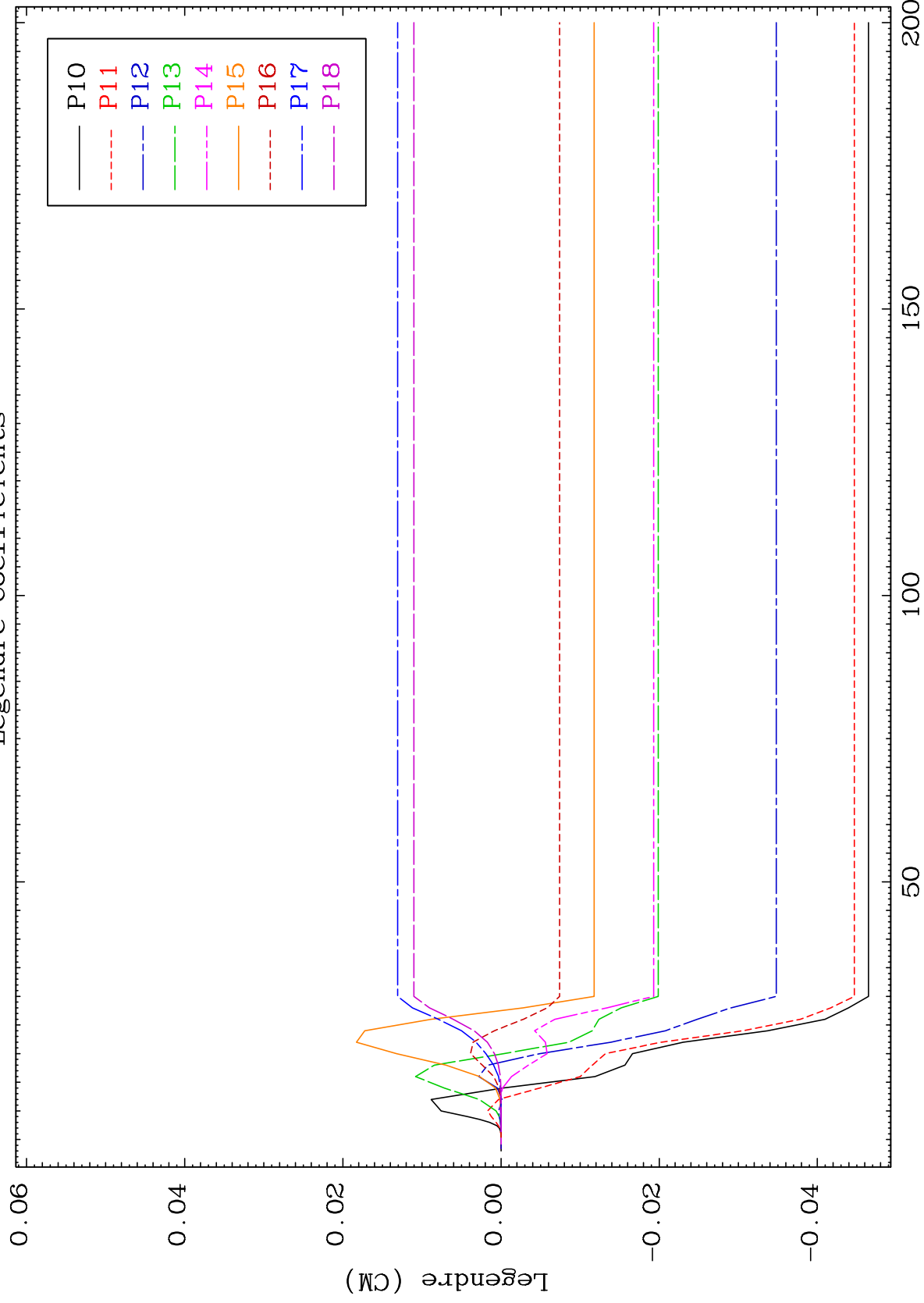
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



124

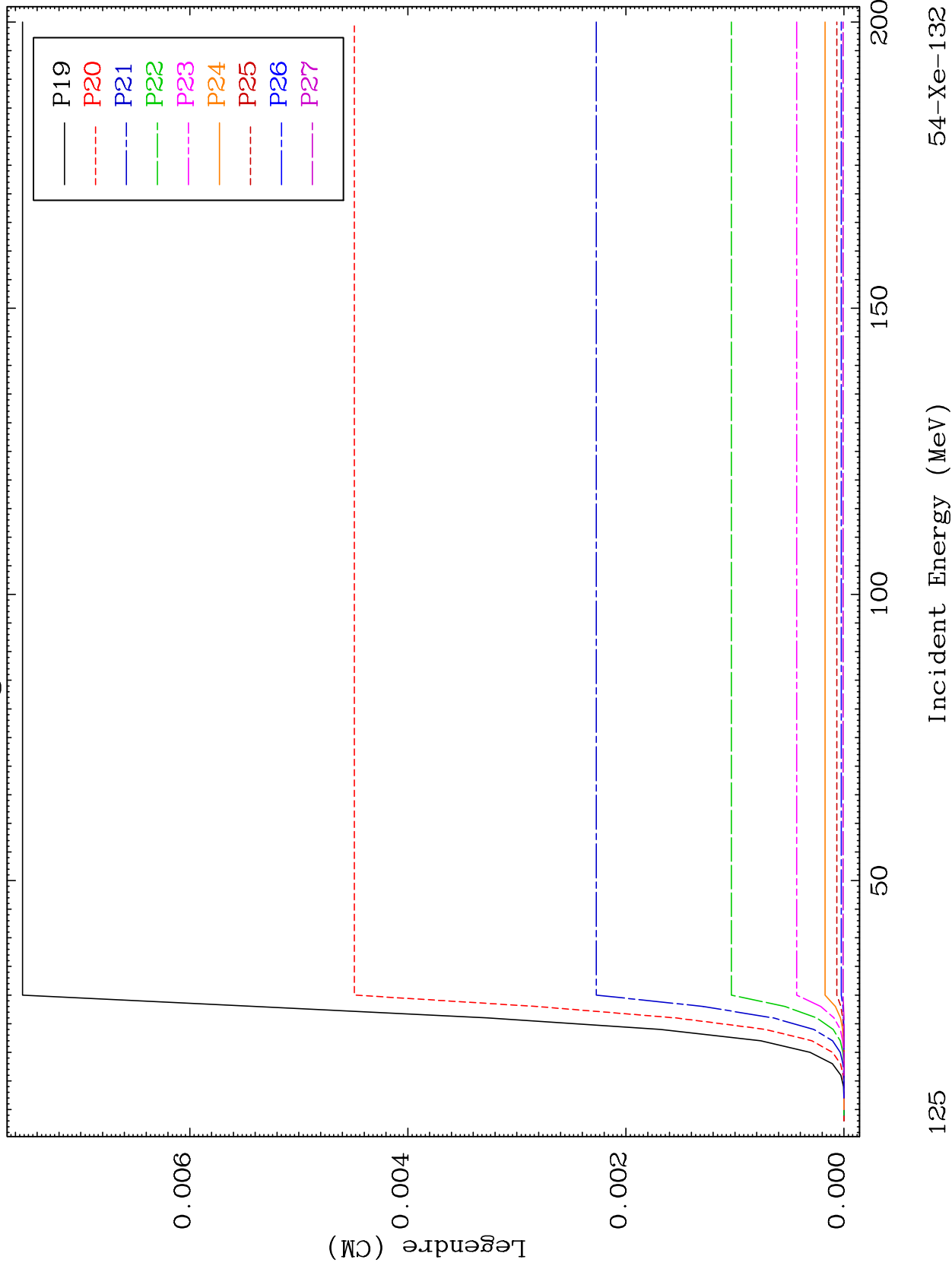
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



125

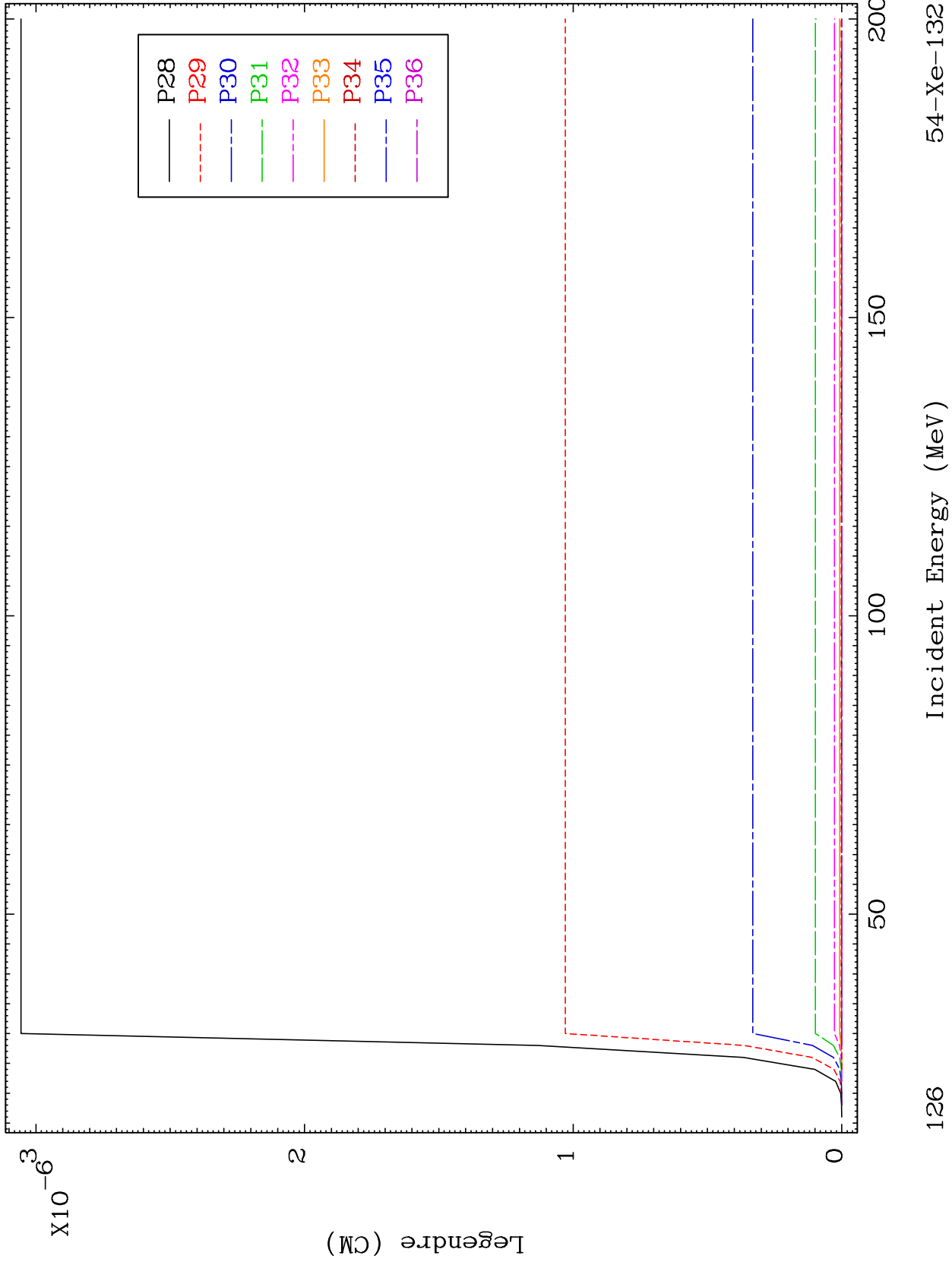
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

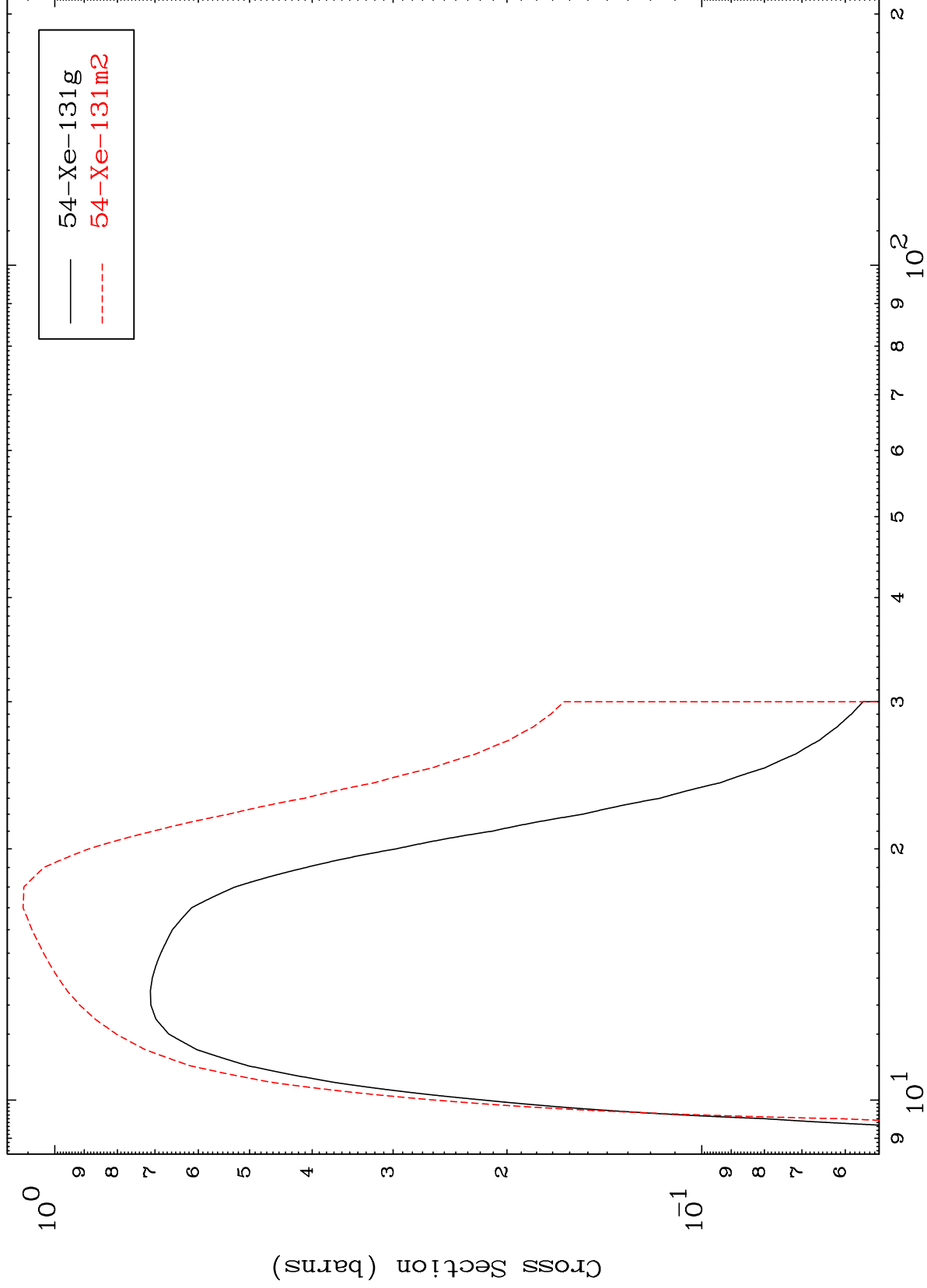


MAT 5449

(n,2n)

54-Xe-132

Radionuclide Production Cross Section



127

Incident Energy (MeV)

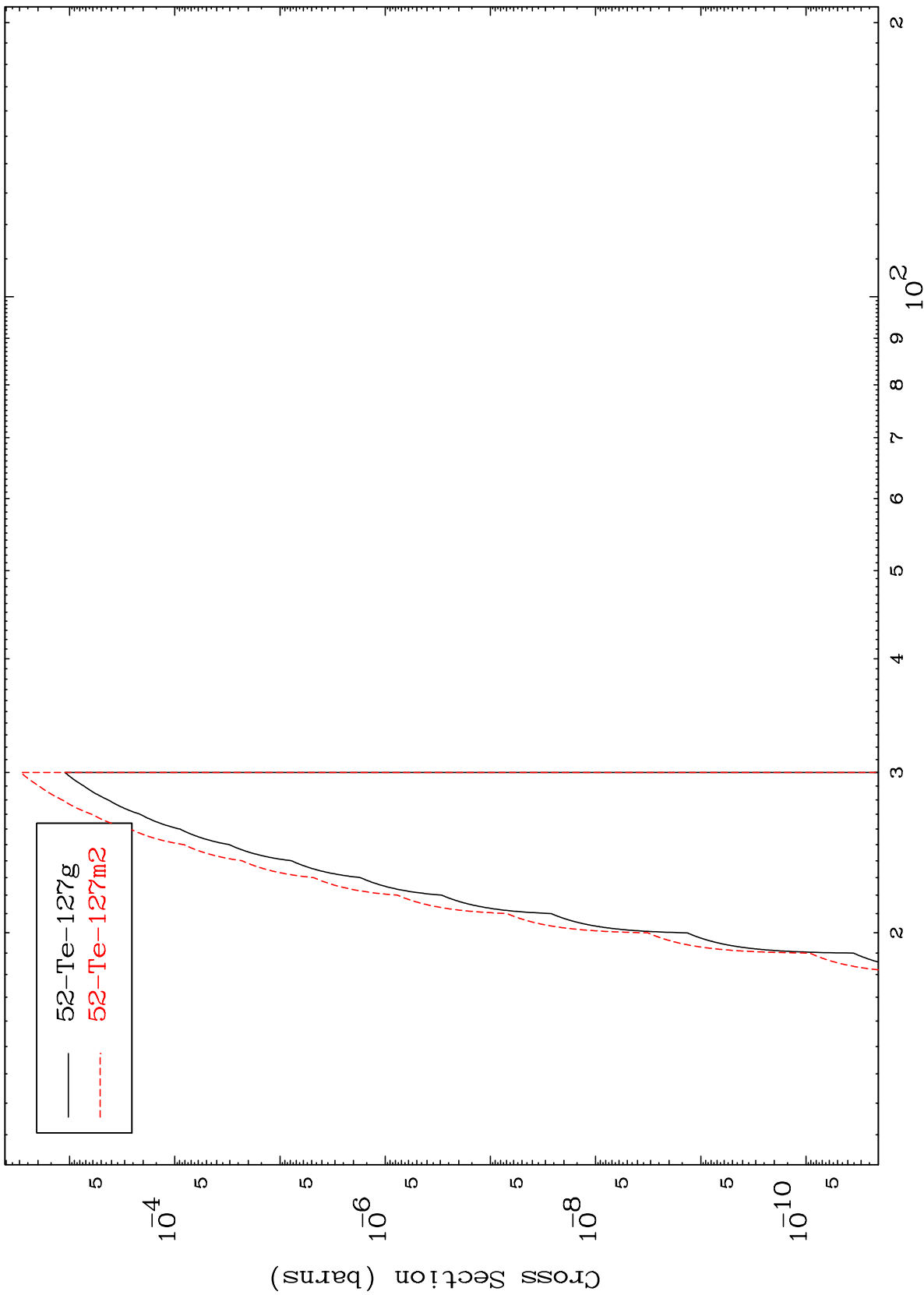
54-Xe-132

MAT 5449

(n,2n) α

54-Xe-132

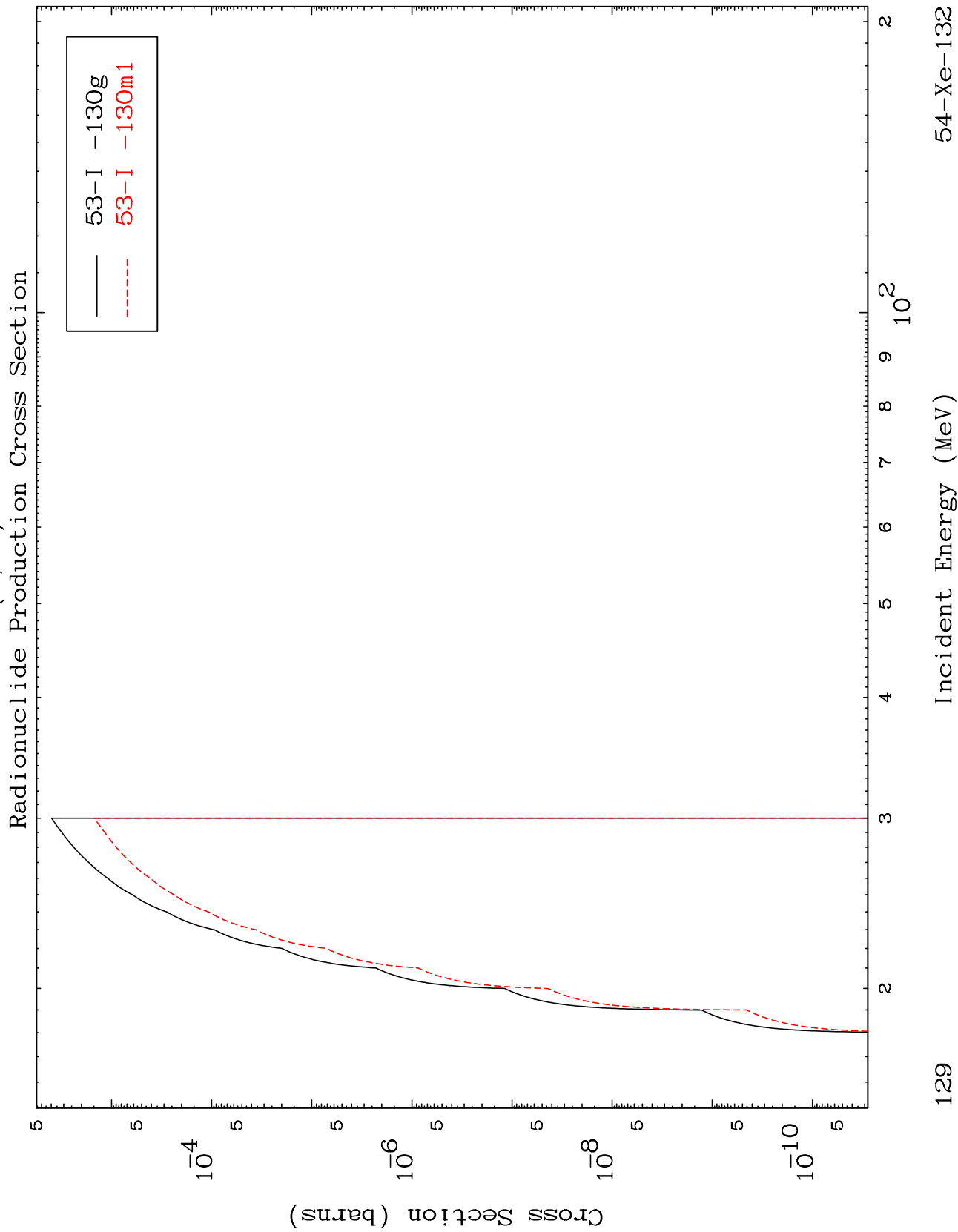
Radionuclide Production Cross Section



128

Incident Energy (MeV)

54-Xe-132

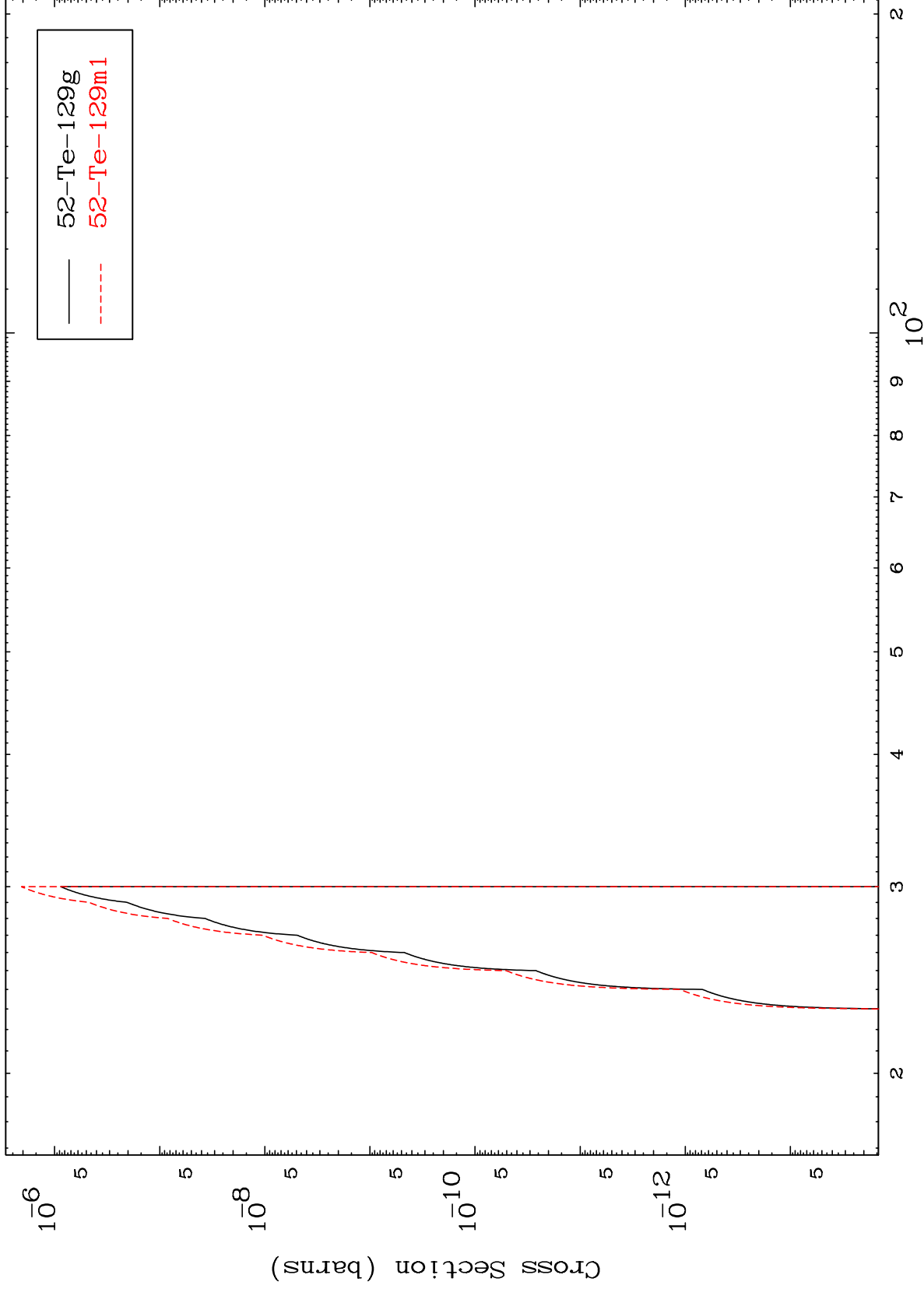


MAT 5449

(n,n') He-3

54-Xe-132

Radionuclide Production Cross Section



130

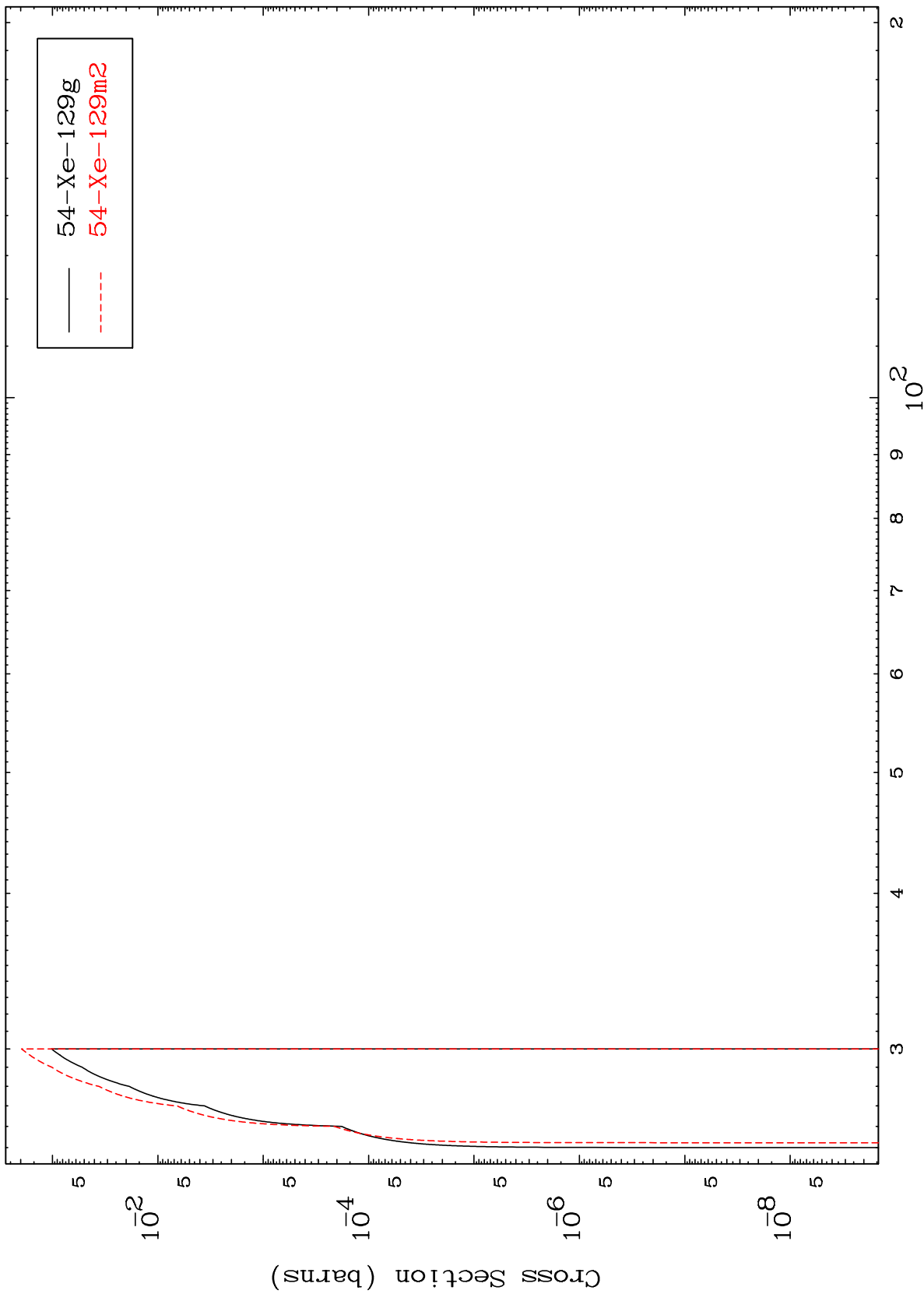
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,4n)
Radionuclide Production Cross Section



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

131

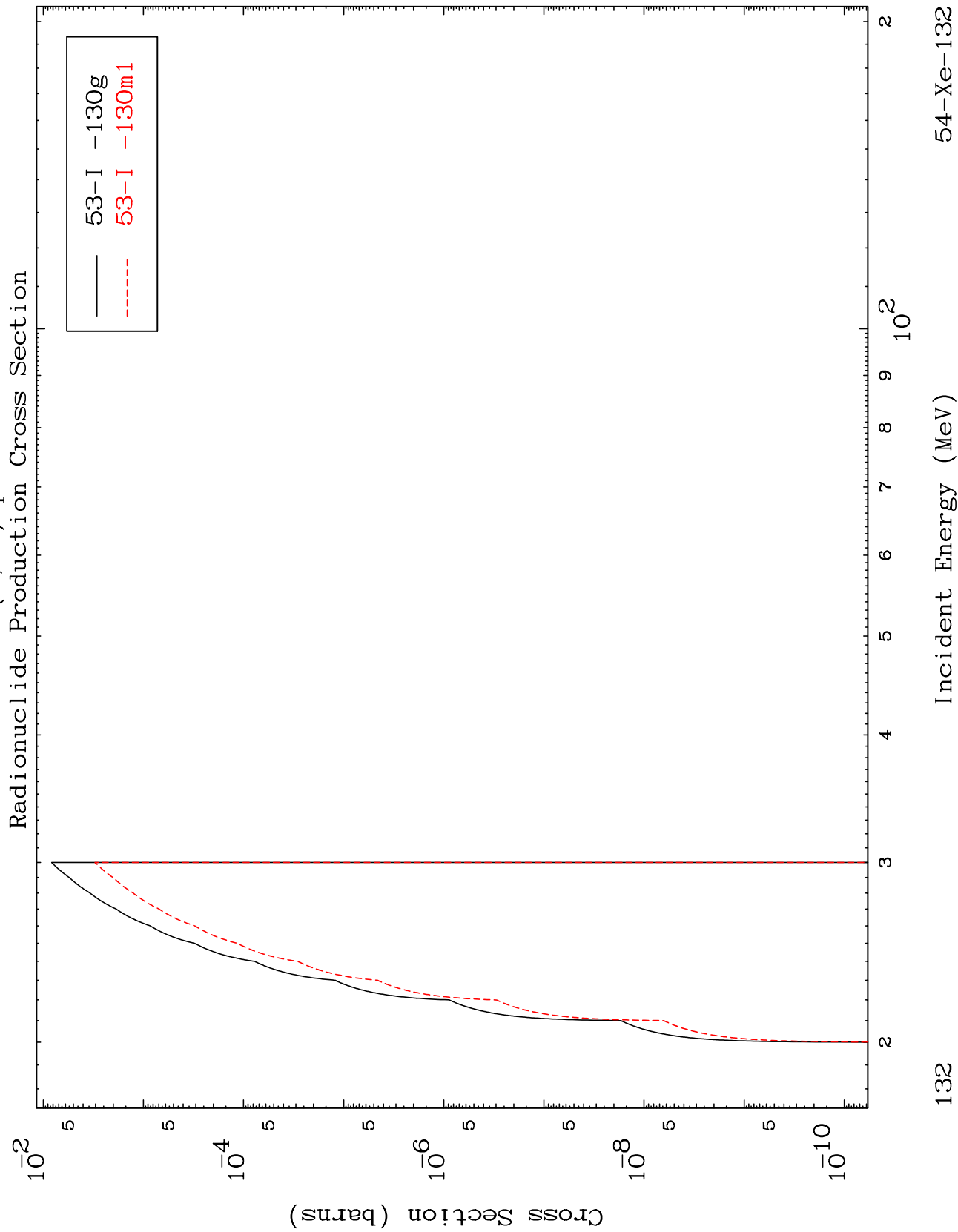
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,2n) p

54-Xe-132



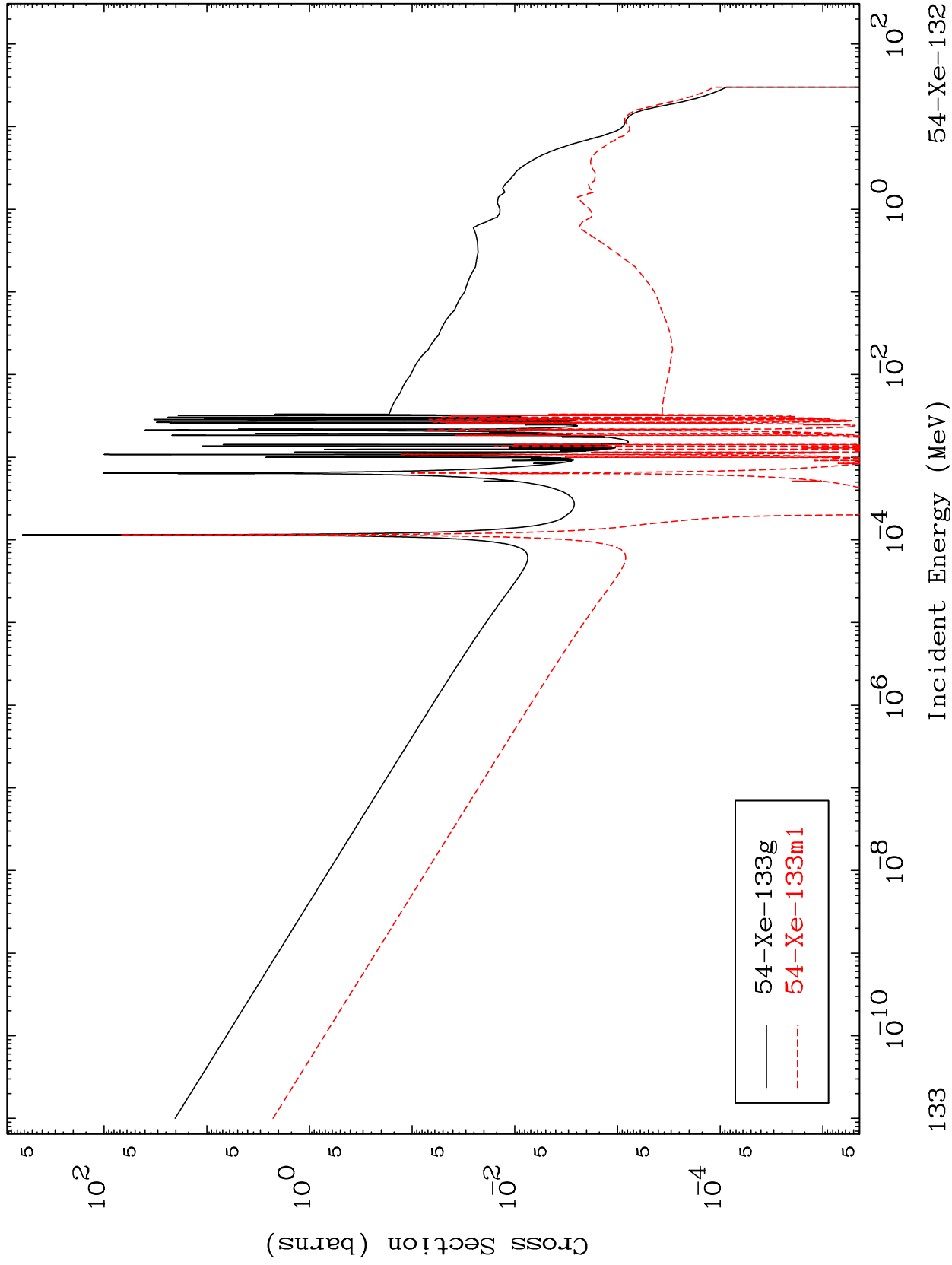
132

54-Xe-132

MAT 5449

54-Xe-132

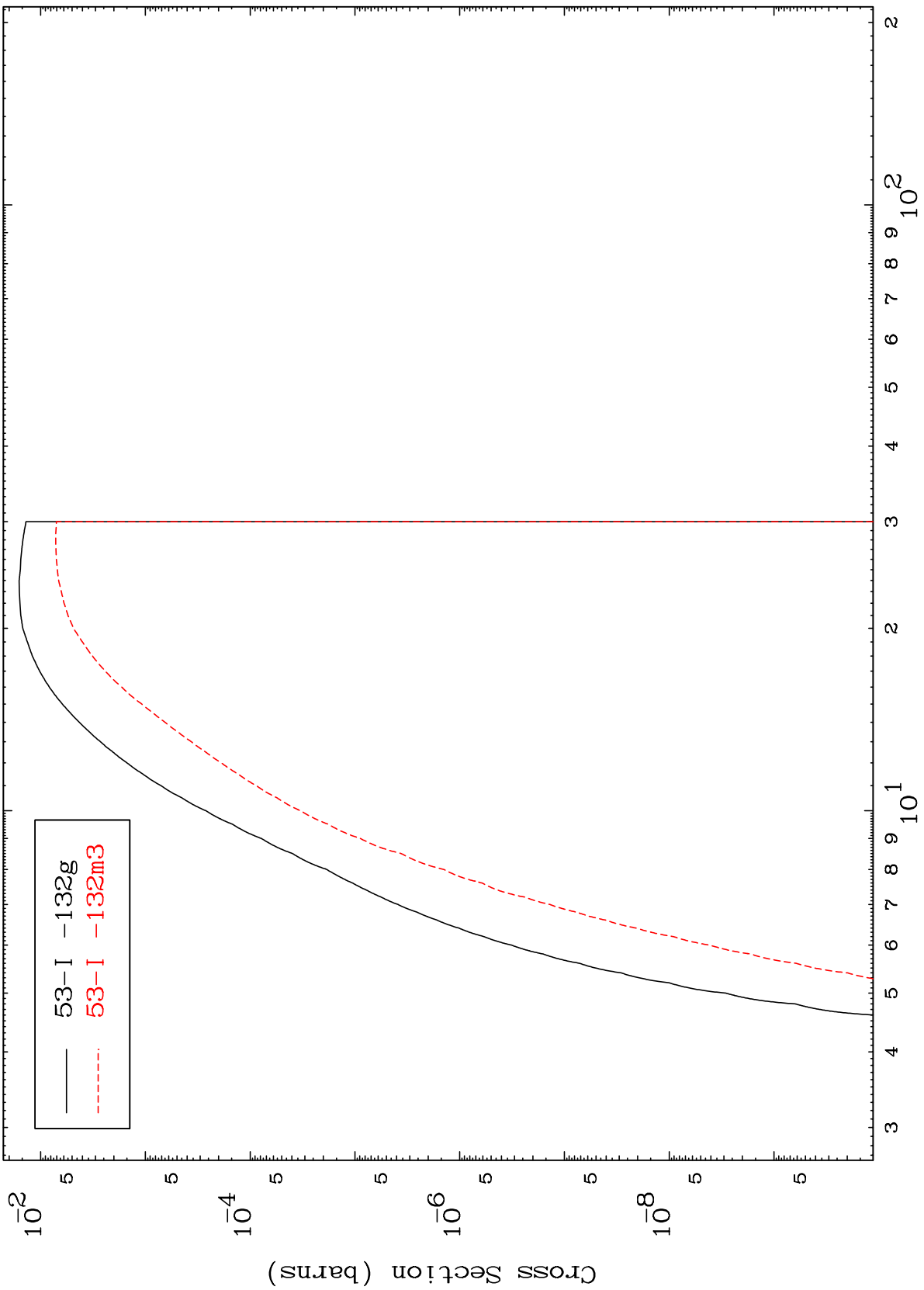
(n, γ)
Radionuclide Production Cross Section



MAT 5449

54-Xe-132

(n,p)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

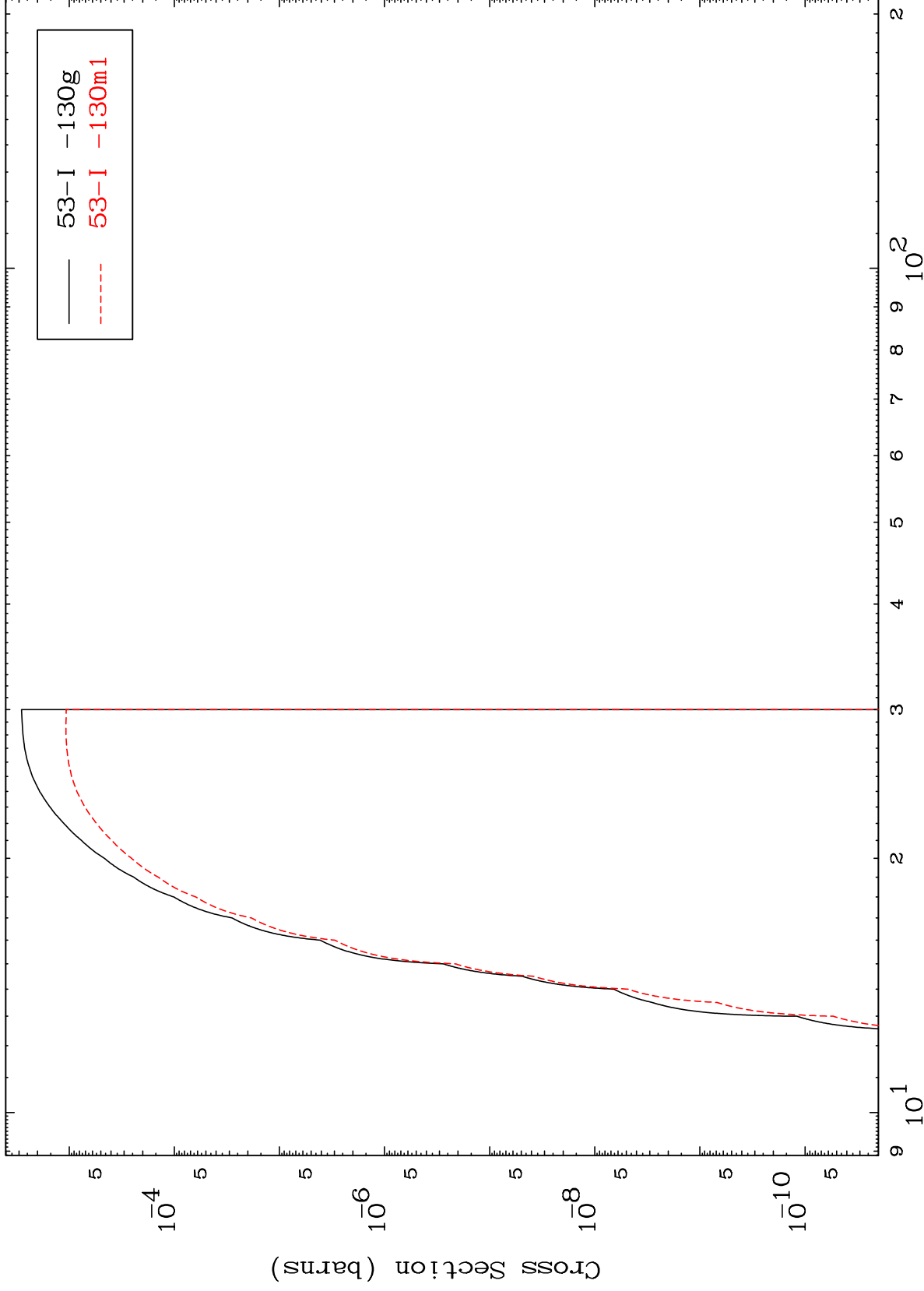
54-Xe-132

MAT 5449

(n, t)

54-Xe-132

Radionuclide Production Cross Section



Incident Energy (MeV)

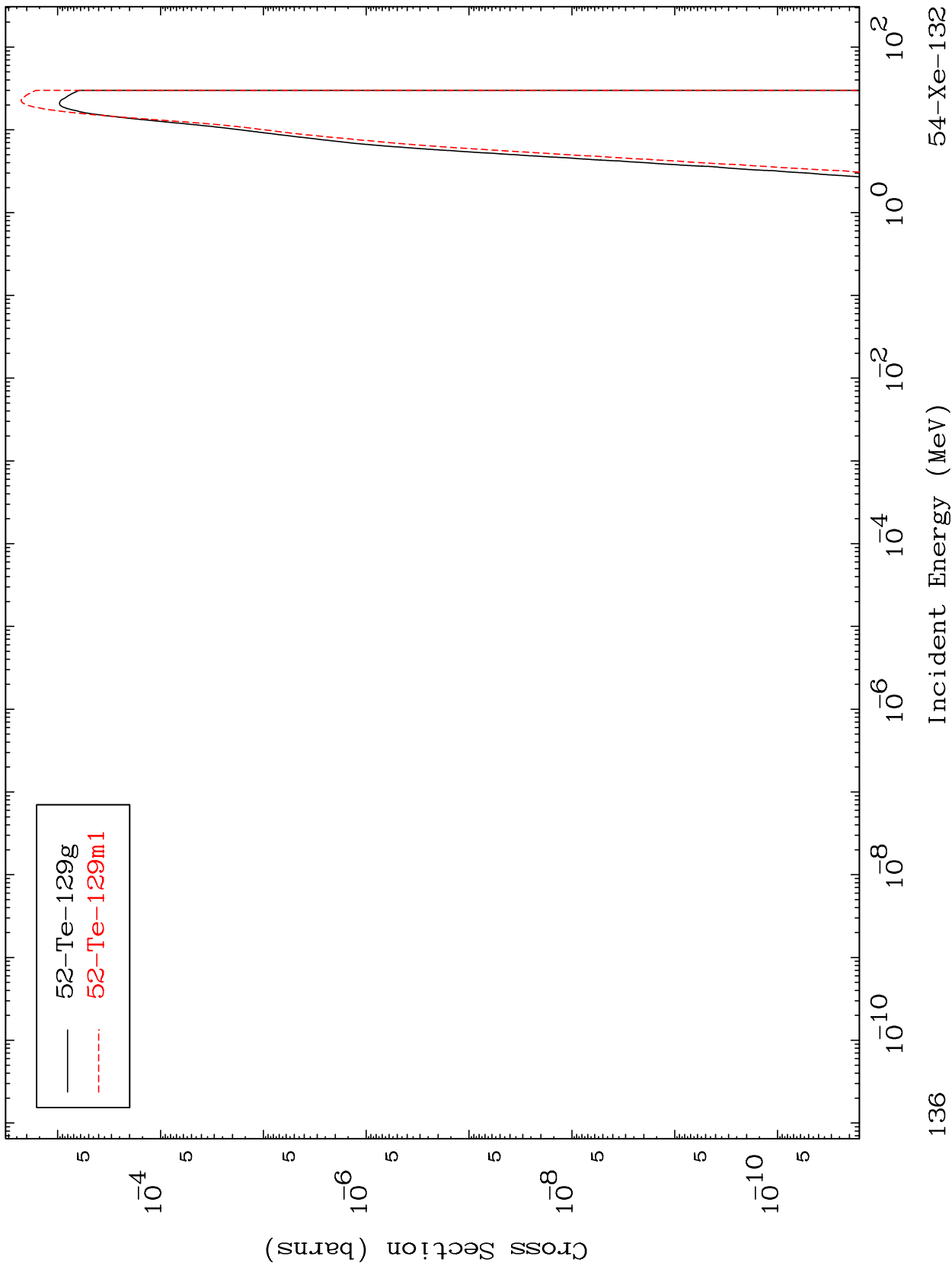
54-Xe-132

135

MAT 5449

54-Xe-132

(n, α)
Radionuclide Production Cross Section

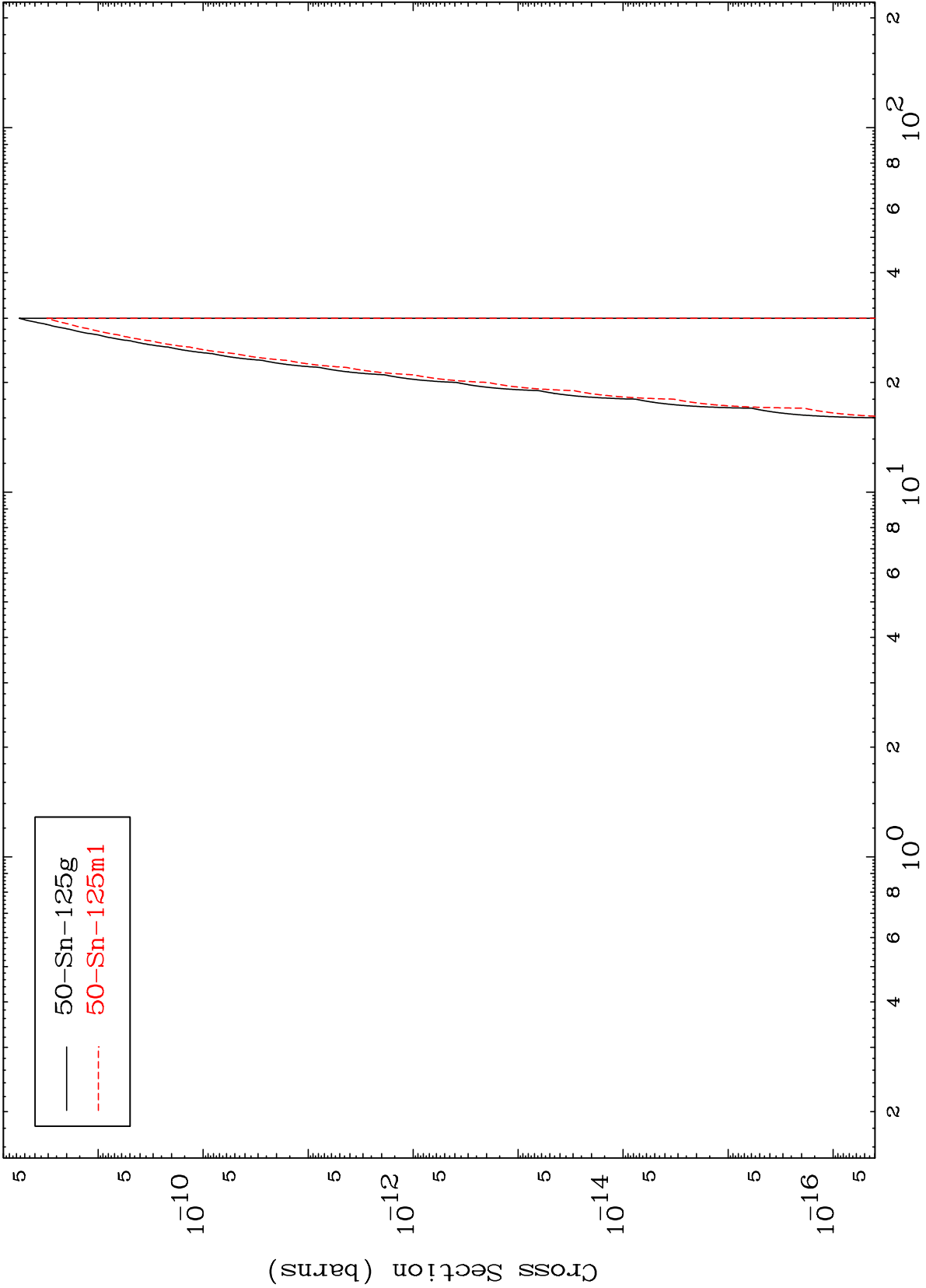


MAT 5449

(n,2α)

54-Xe-132

Radionuclide Production Cross Section



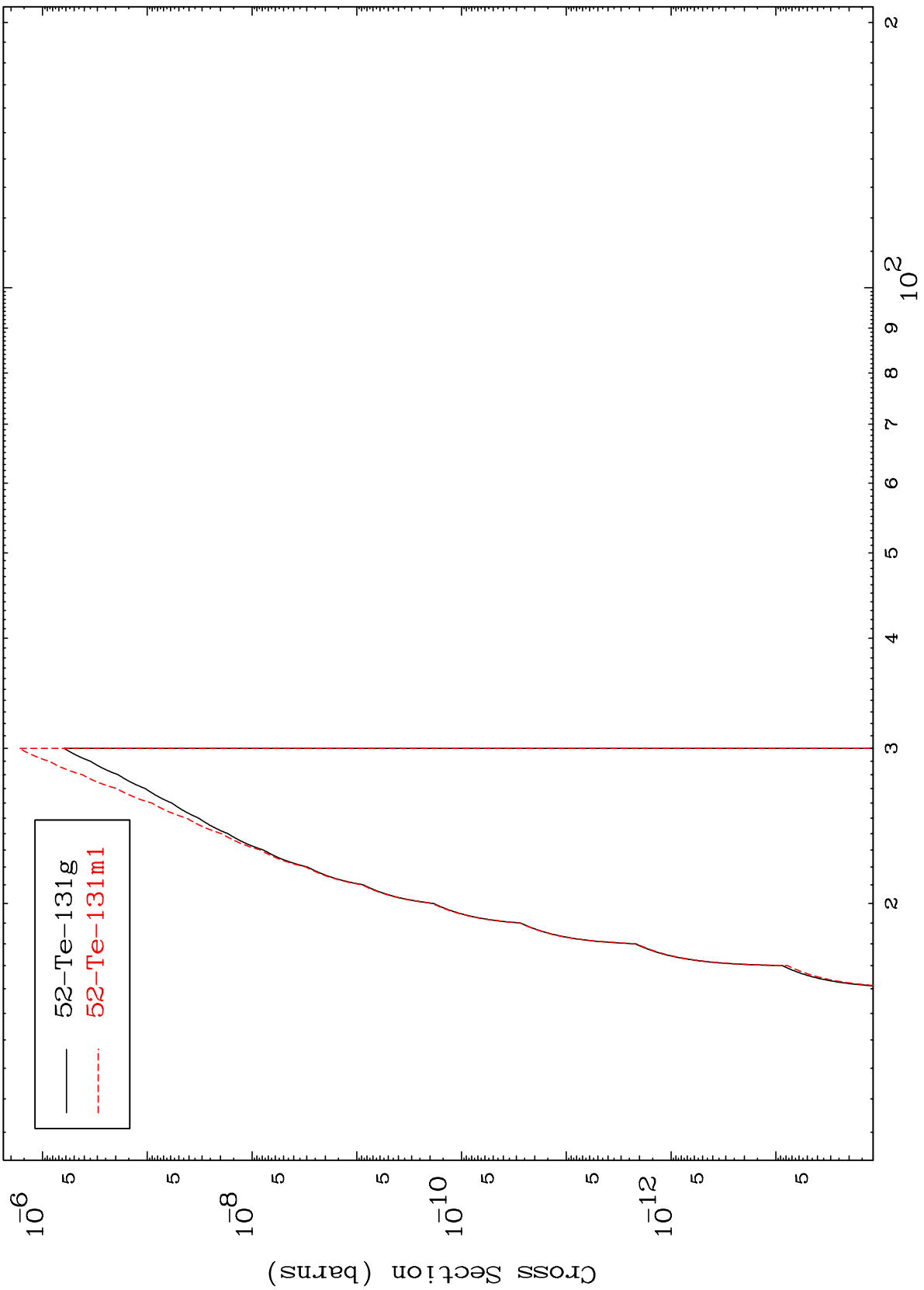
50-Sn-125g
50-Sn-125m1

137

Incident Energy (MeV)

54-Xe-132

(n,2p)
Radionuclide Production Cross Section

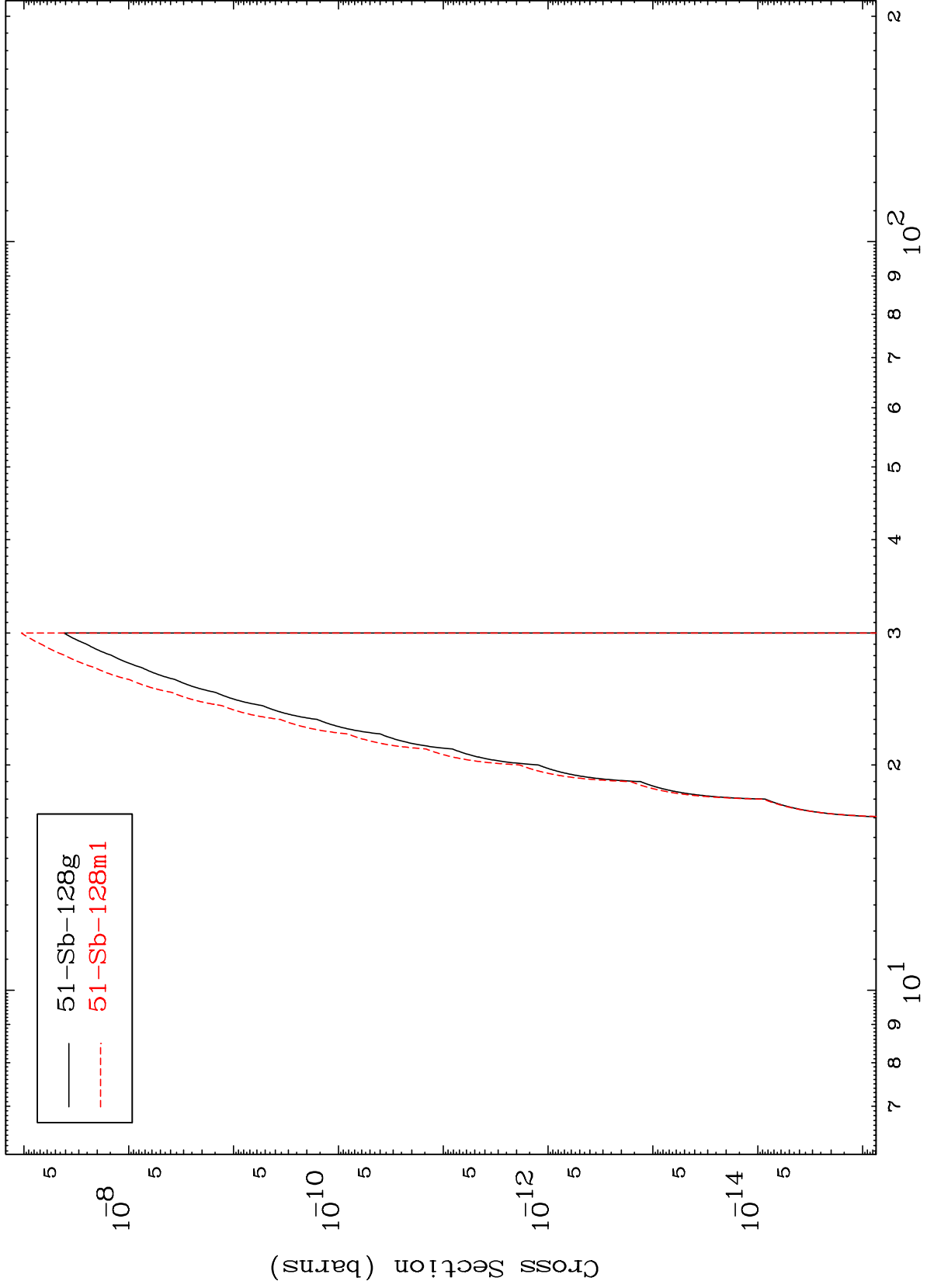


MAT 5449

(n,p) α

54-Xe-132

Radionuclide Production Cross Section



139

Incident Energy (MeV)

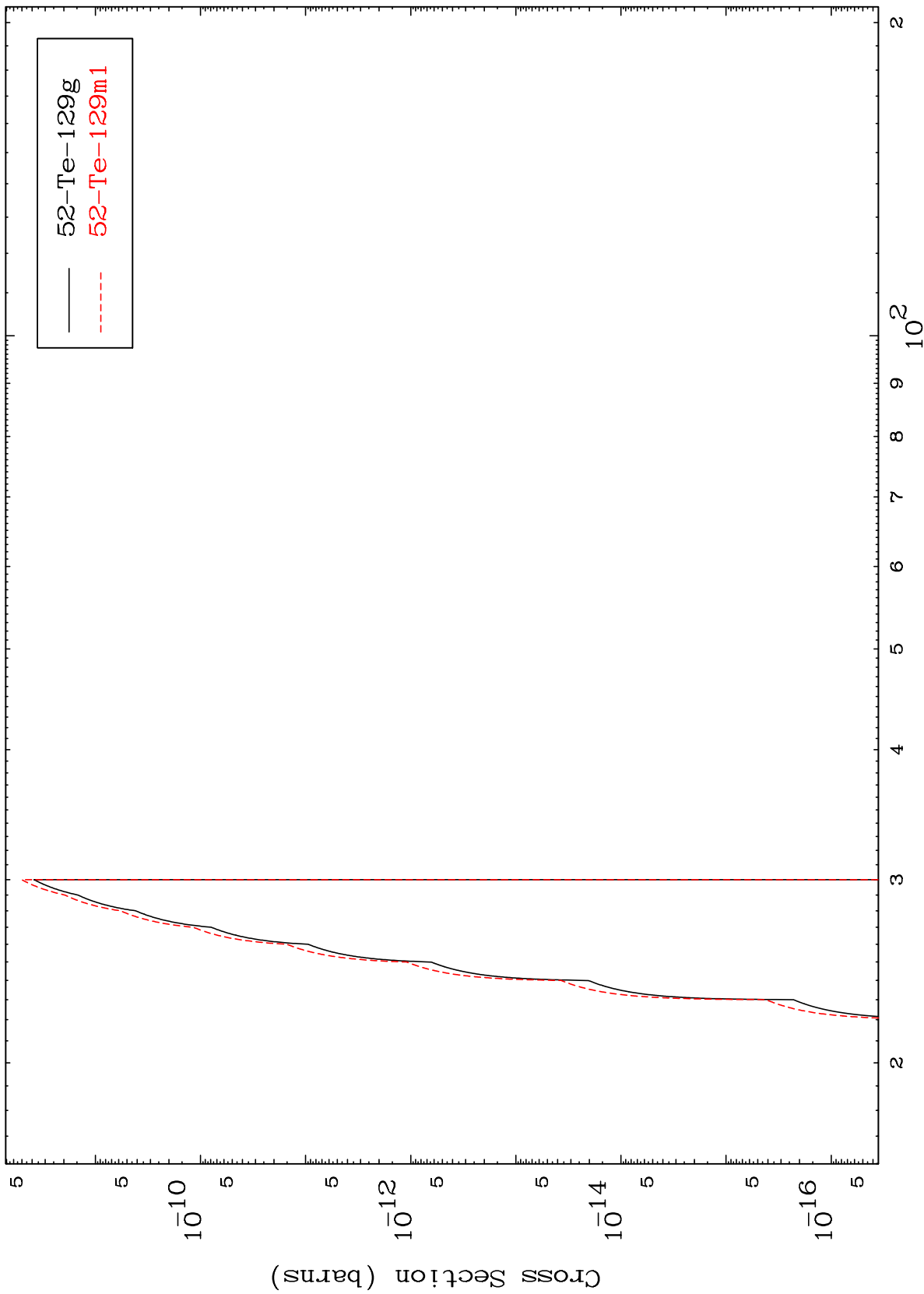
54-Xe-132

MAT 5449

(n,p) t

54-Xe-132

Radionuclide Production Cross Section



140

Incident Energy (MeV)

54-Xe-132