

Program EVALPLOT
(Version 2017-1)

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

Web:redcullen1.net/HOMEPAGE.NEW

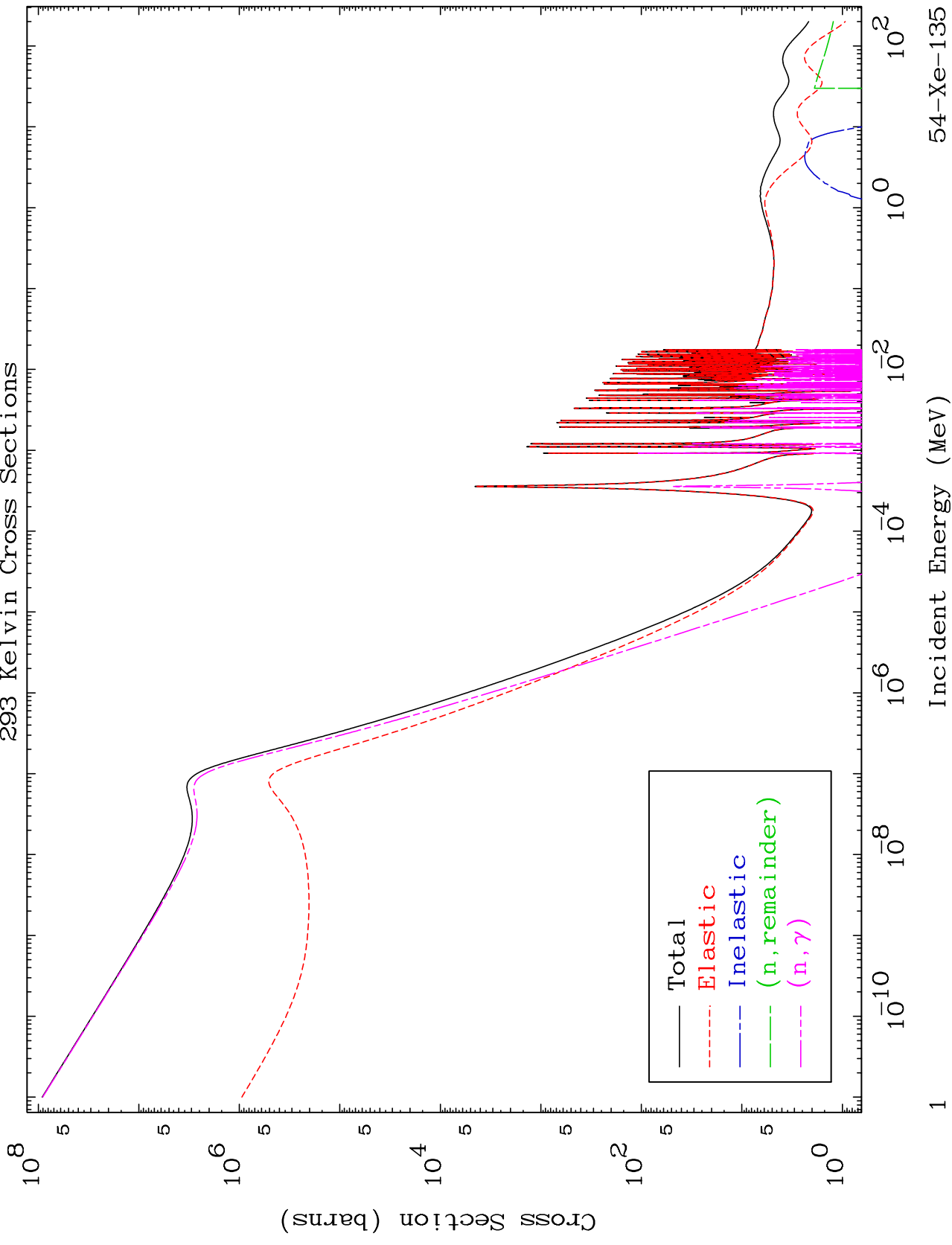
Press Mouse Button to Start

MAT 5458

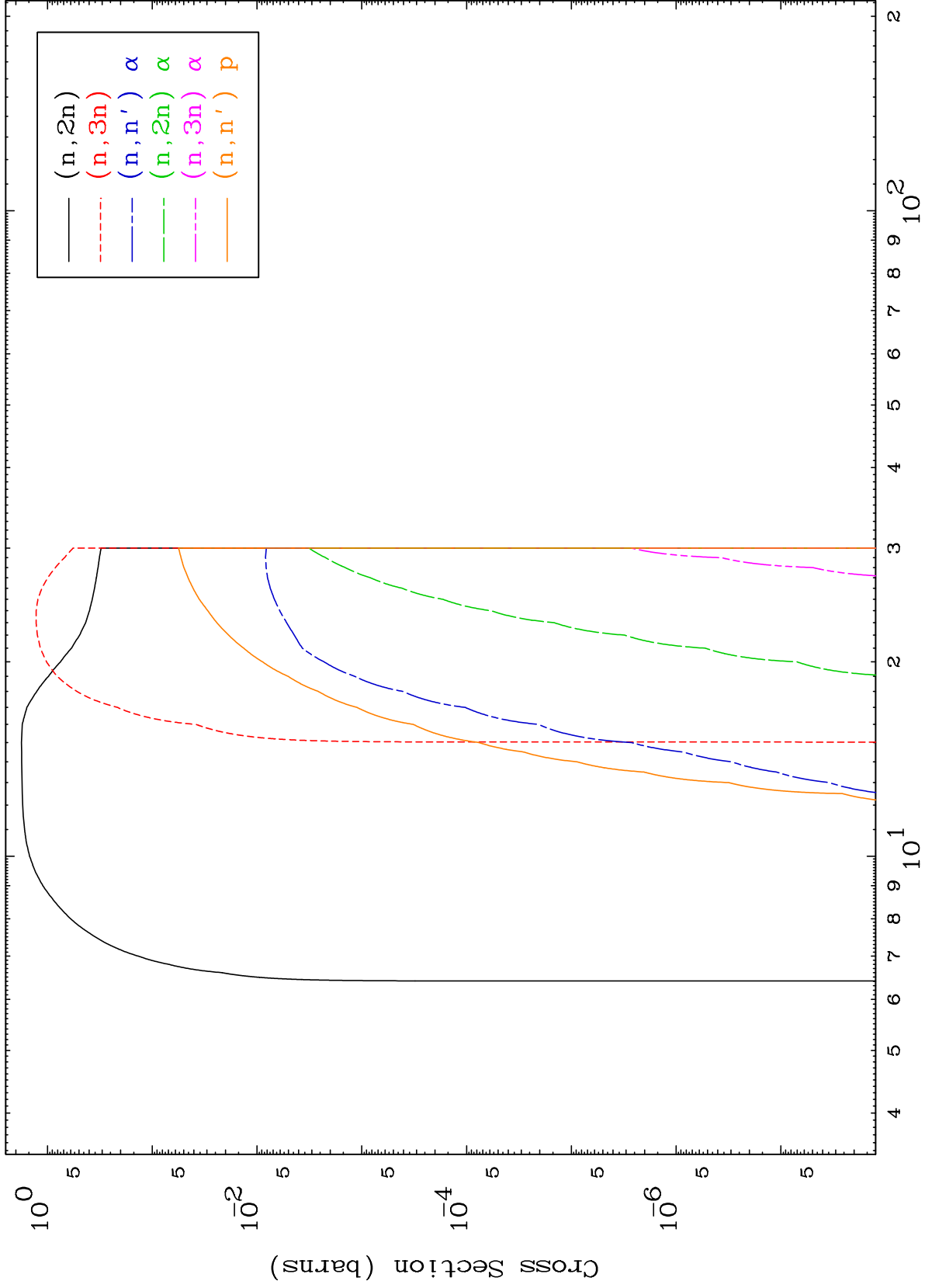
Major

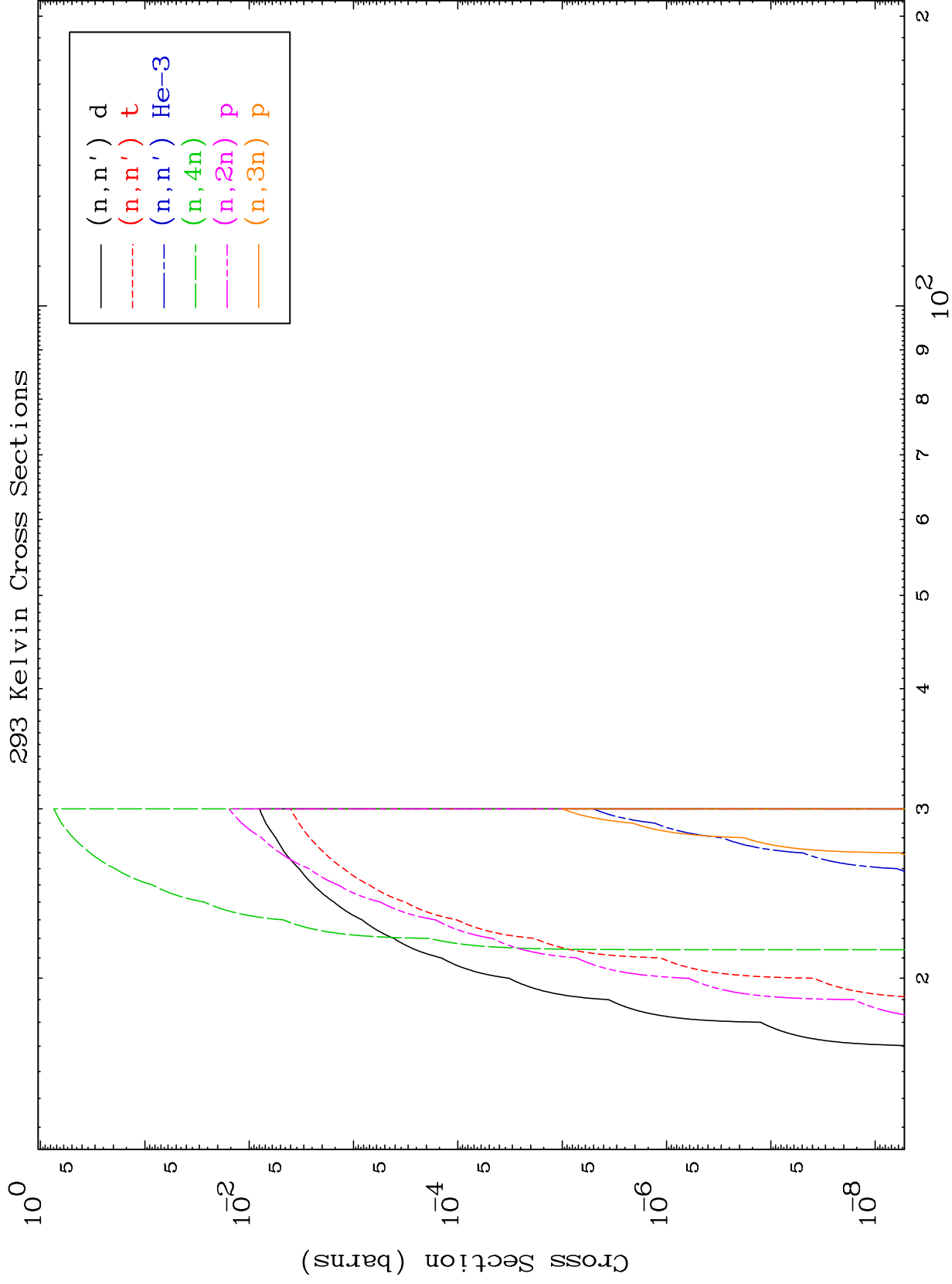
293 Kelvin Cross Sections

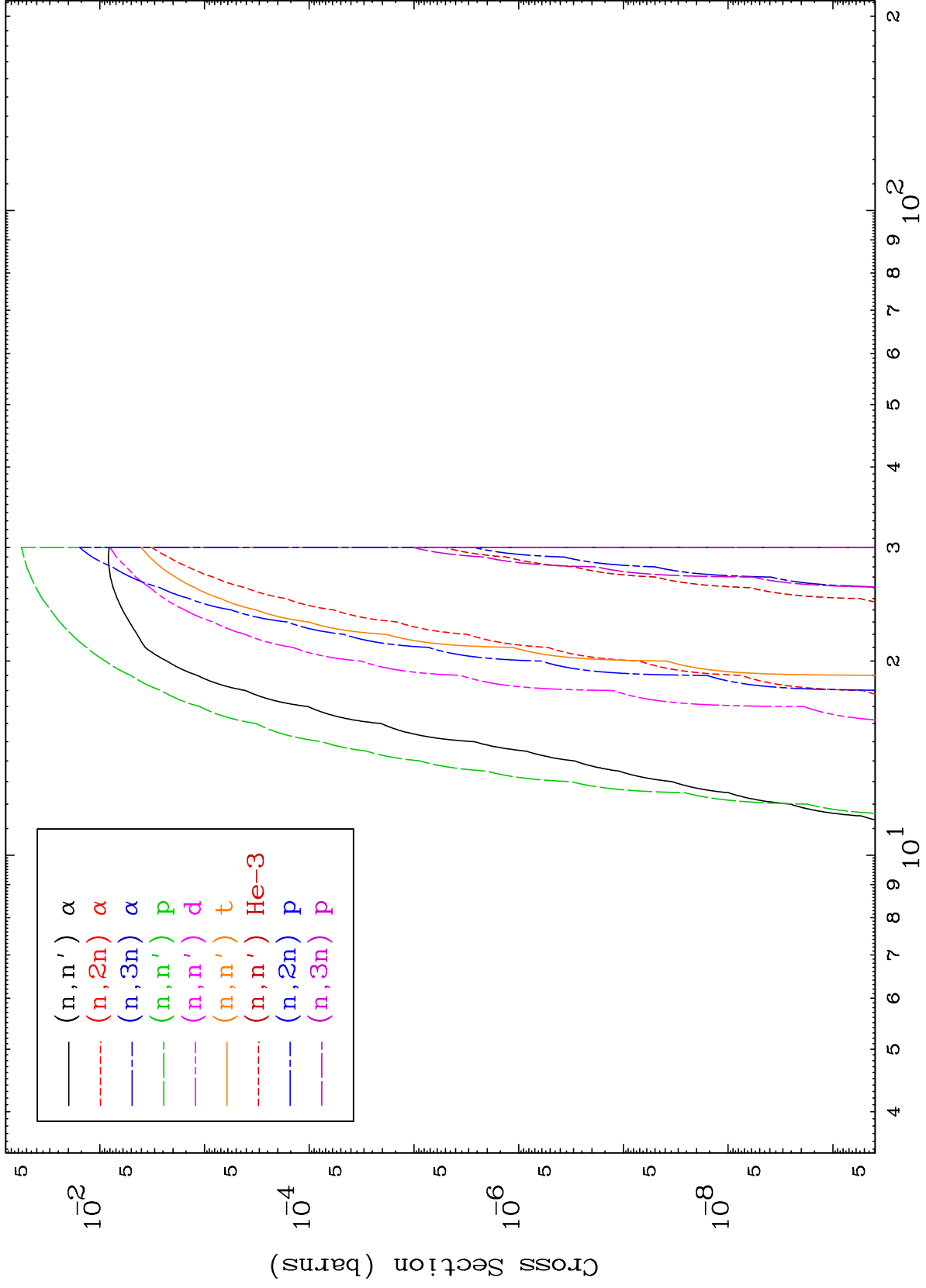
54-Xe-135



Neutron Production
293 Kelvin Cross Sections



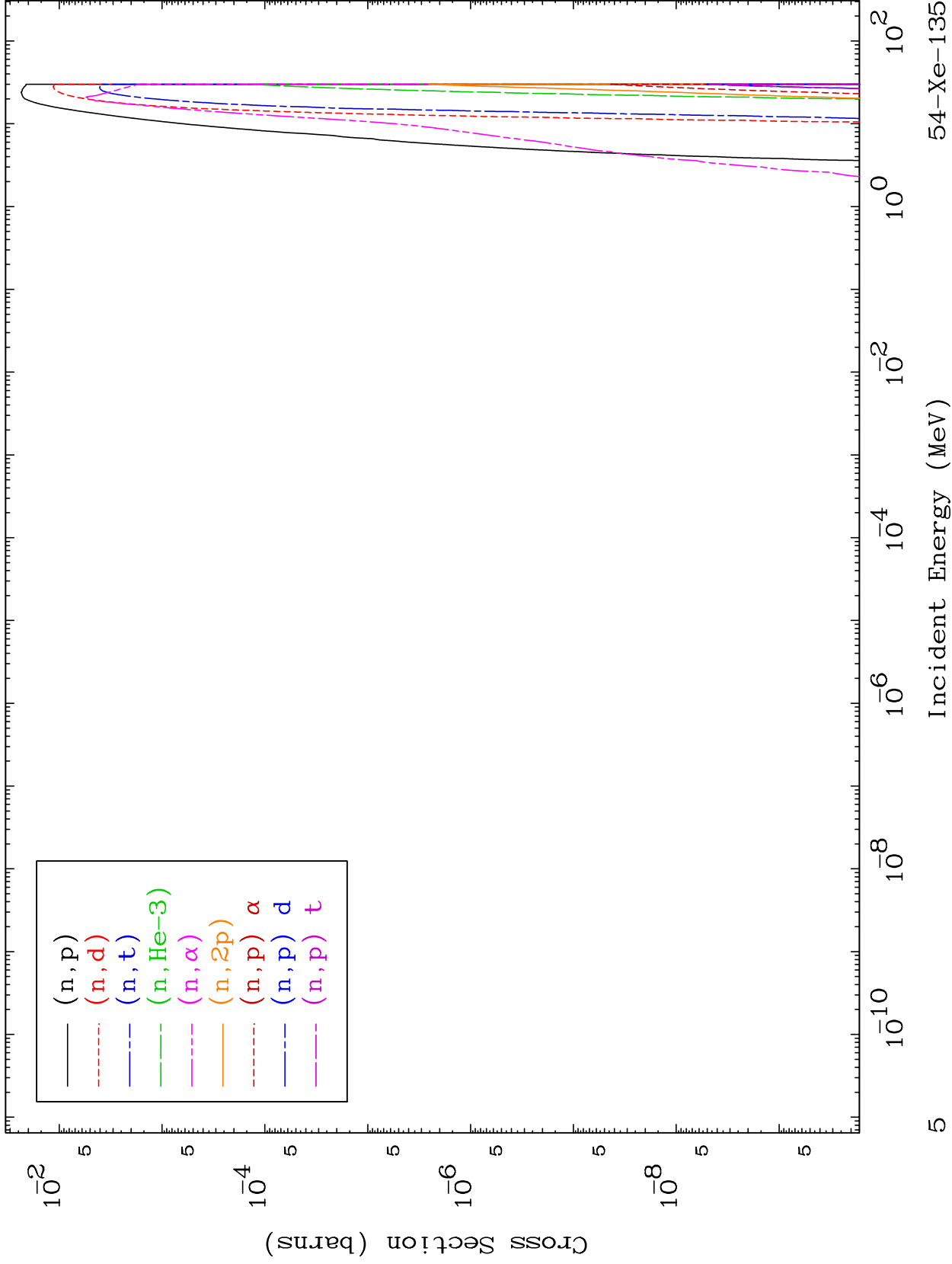




MAT 5458

Charged Particle
293 Kelvin Cross Sections

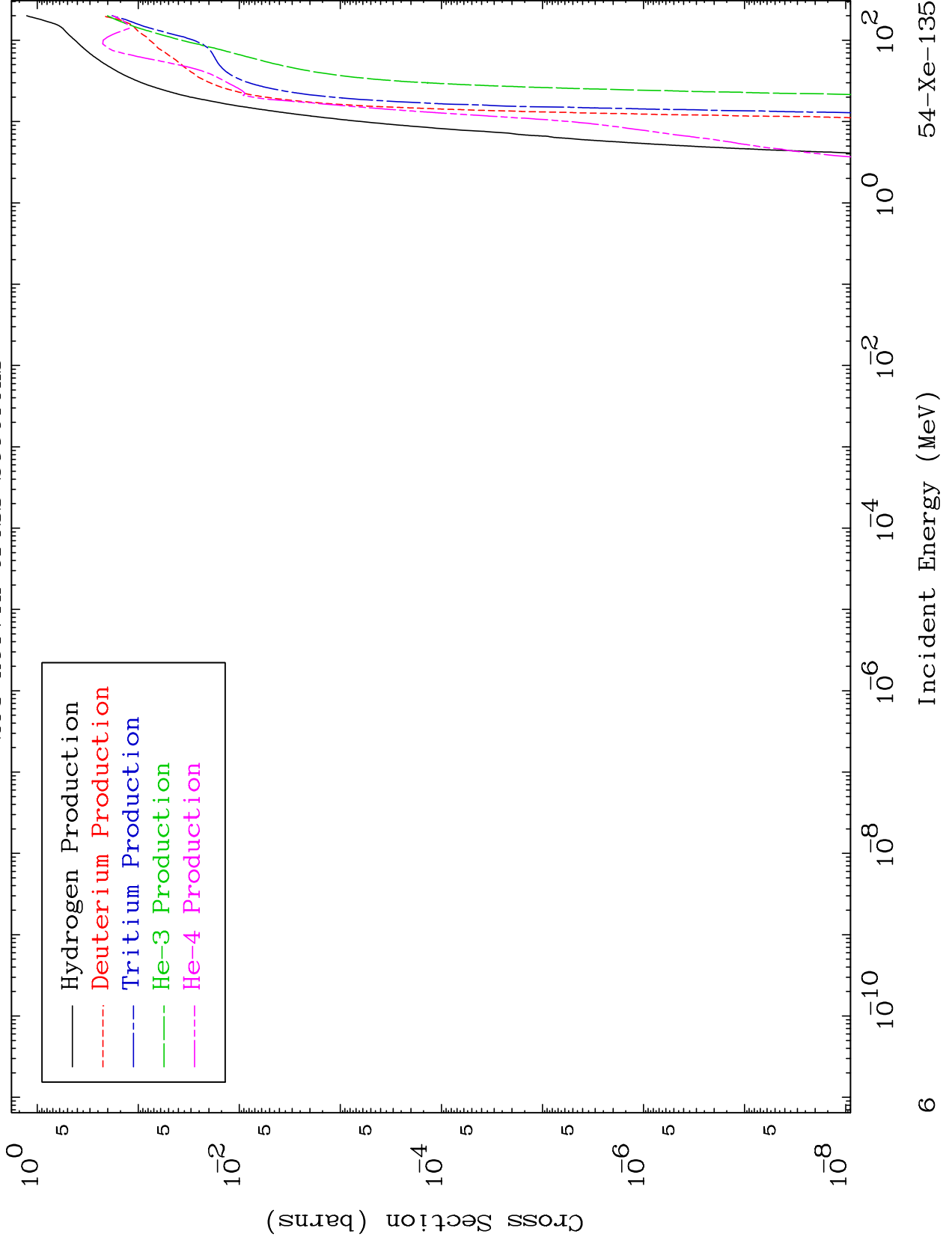
54-Xe-135



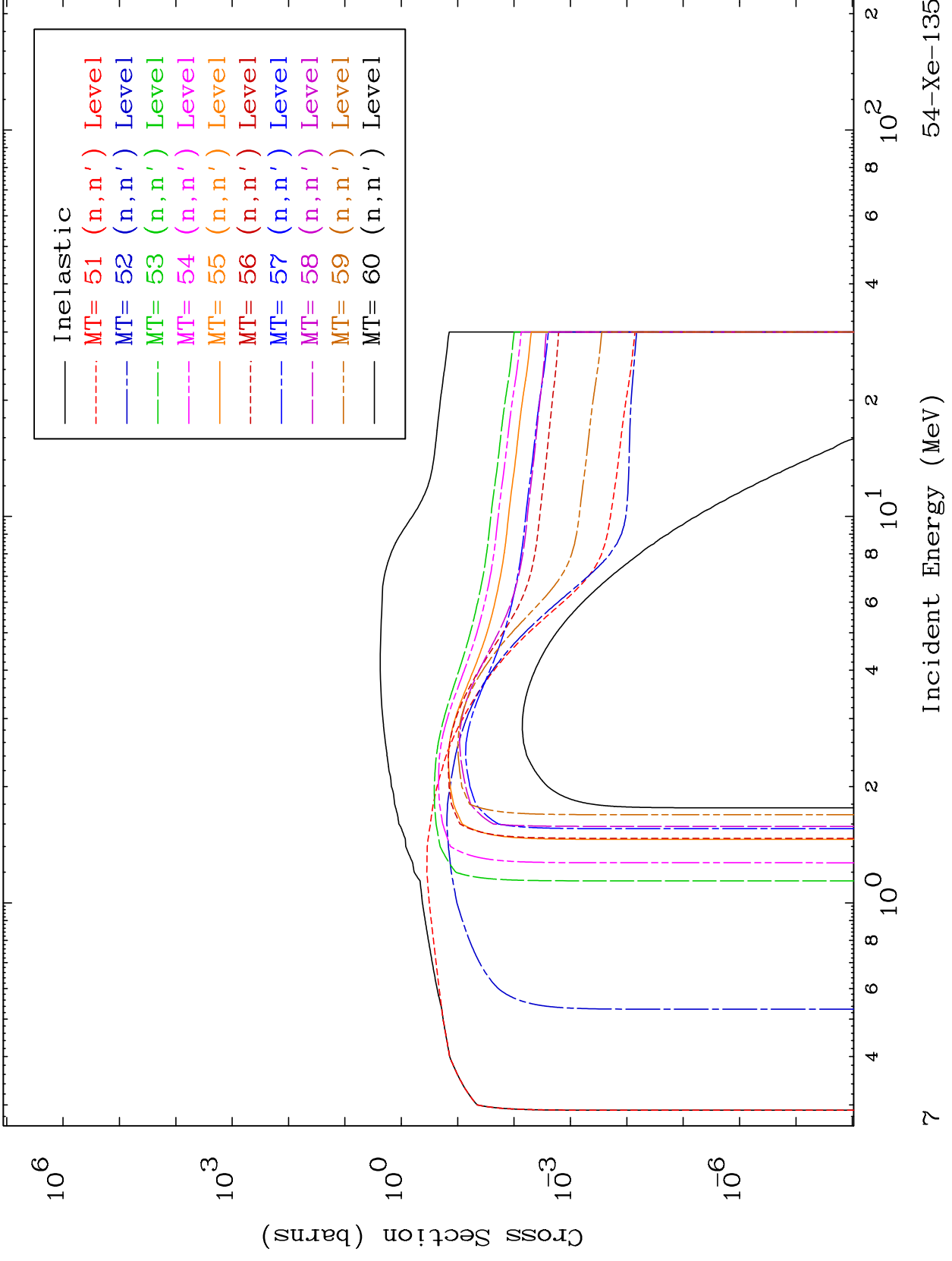
MAT 5458

Particle Production
293 Kelvin Cross Sections

54-Xe-135



293 Kelvin Cross Sections

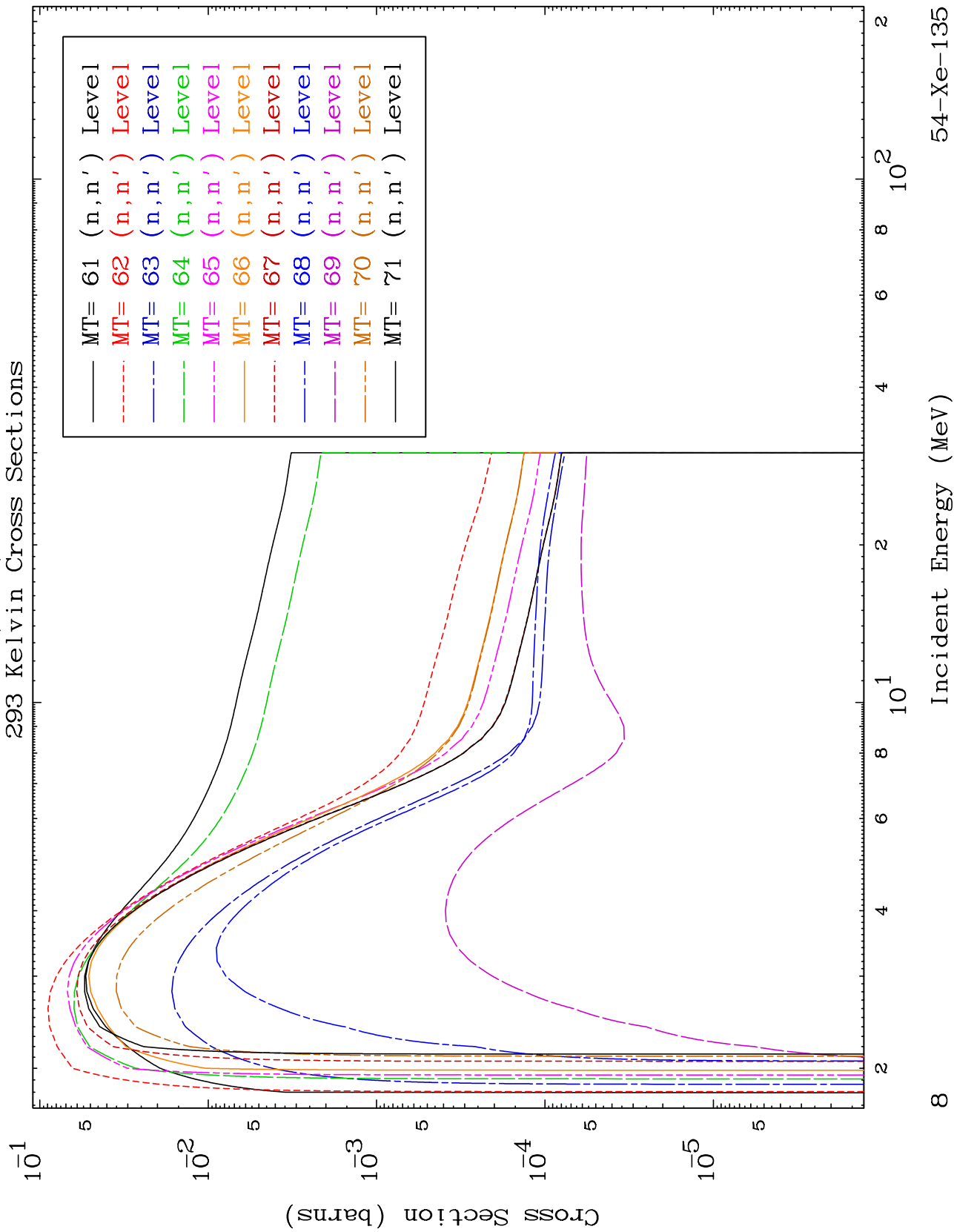


MAT 5458

(n,n') Level

293 Kelvin Cross Sections

54-Xe-135

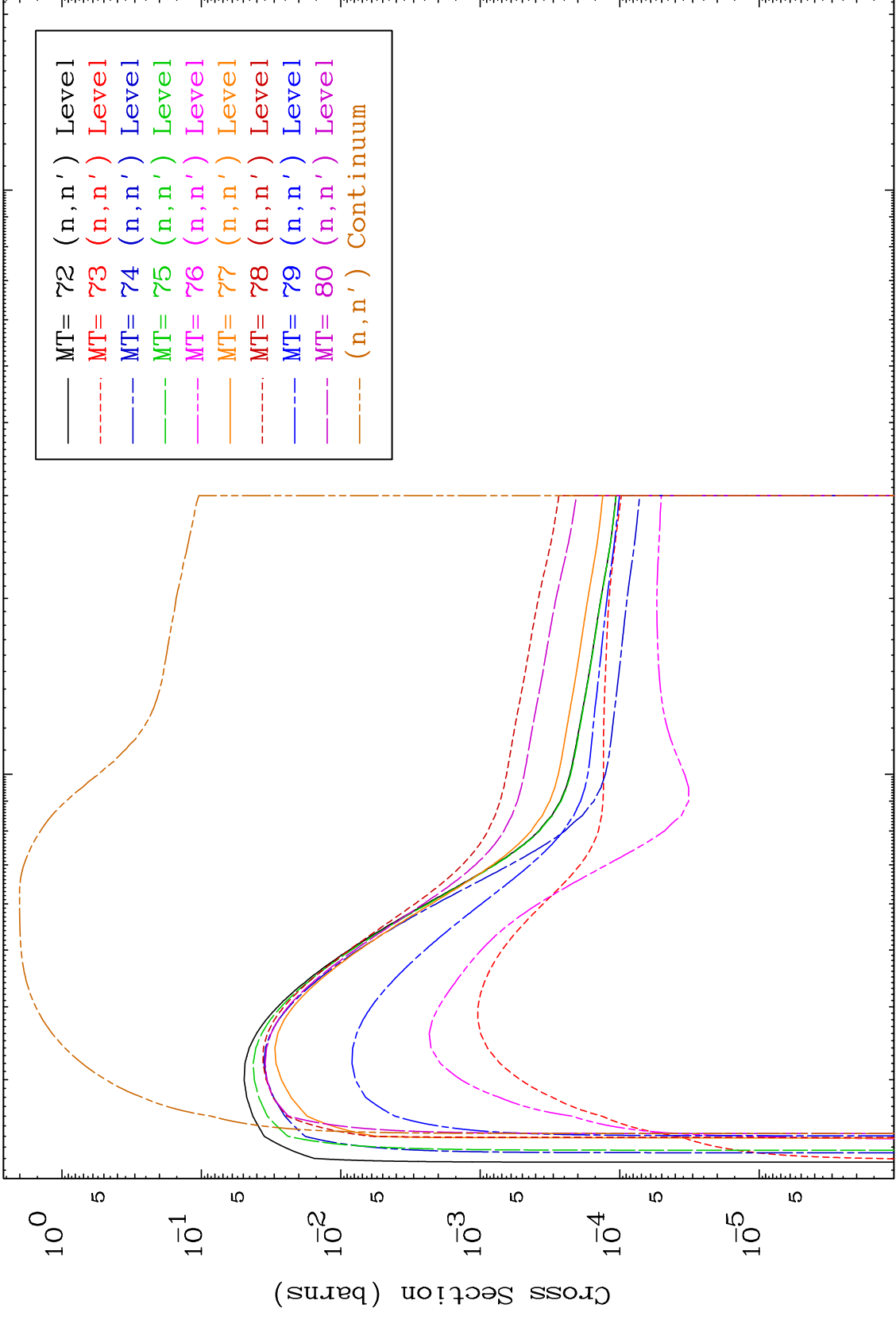


8

Incident Energy (MeV)

54-Xe-135

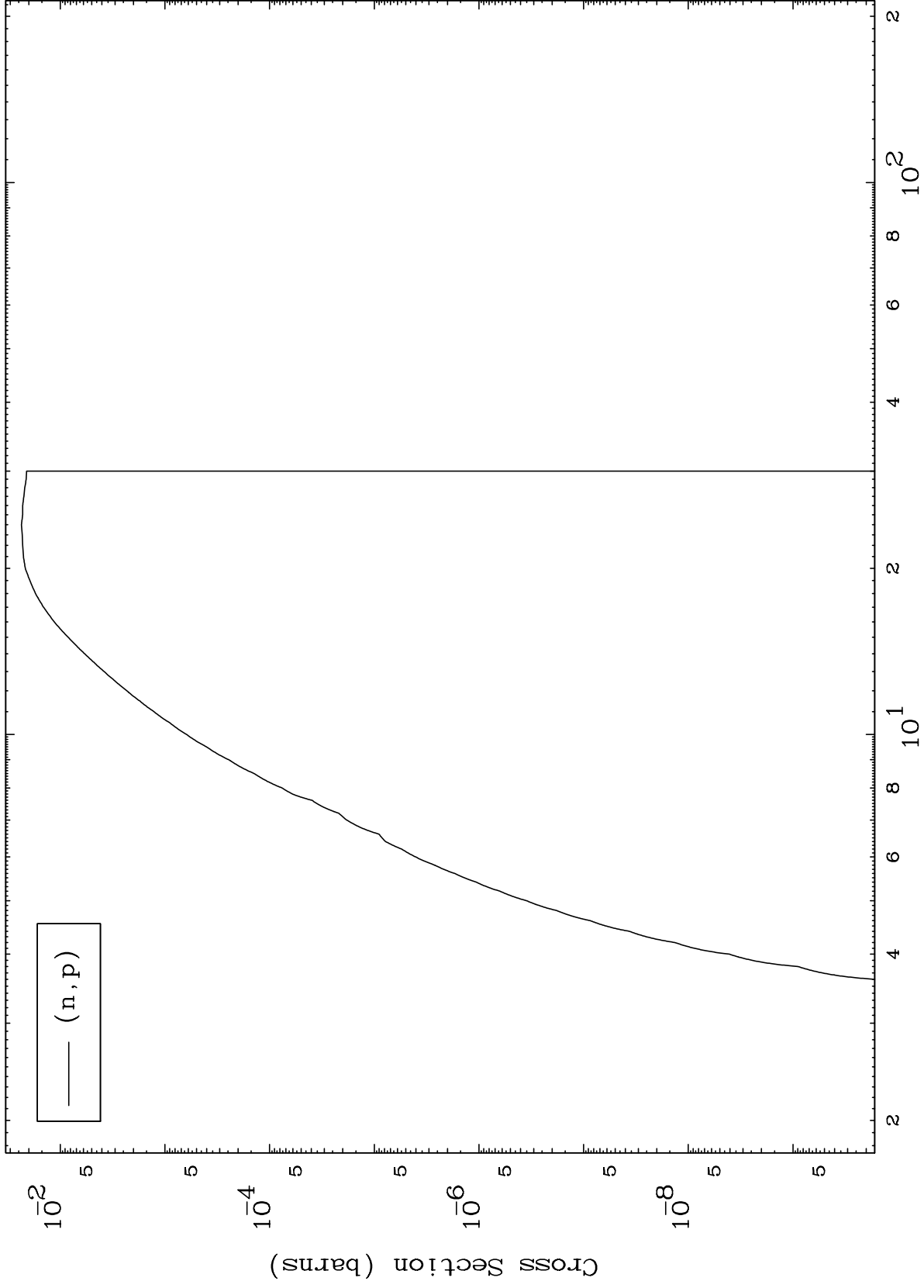
293 Kelvin Cross Sections



MAT 5458

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-135



10

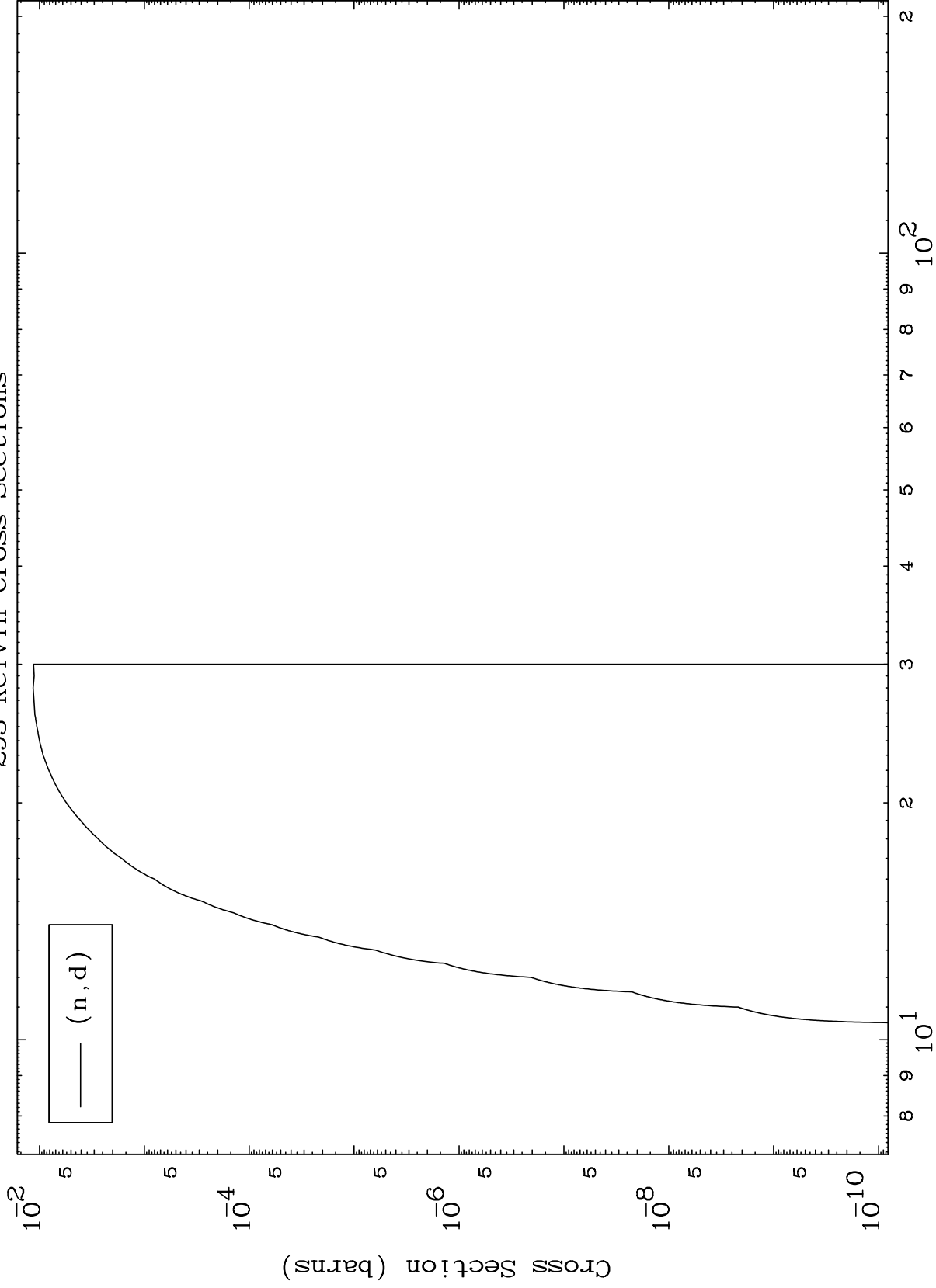
Incident Energy (MeV)

54-Xe-135

MAT 5458

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-135



11

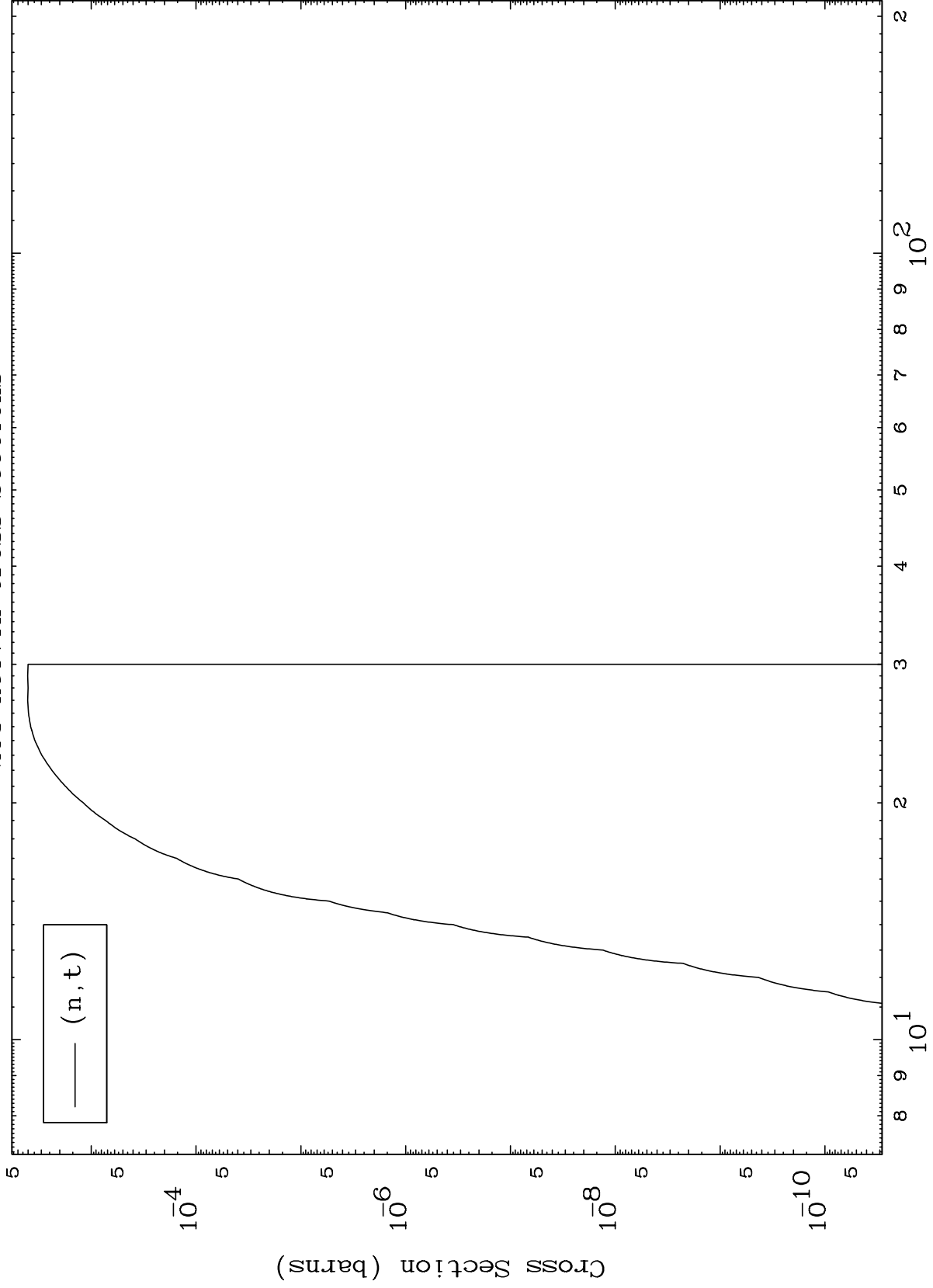
Incident Energy (MeV)

54-Xe-135

MAT 5458

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-135



12

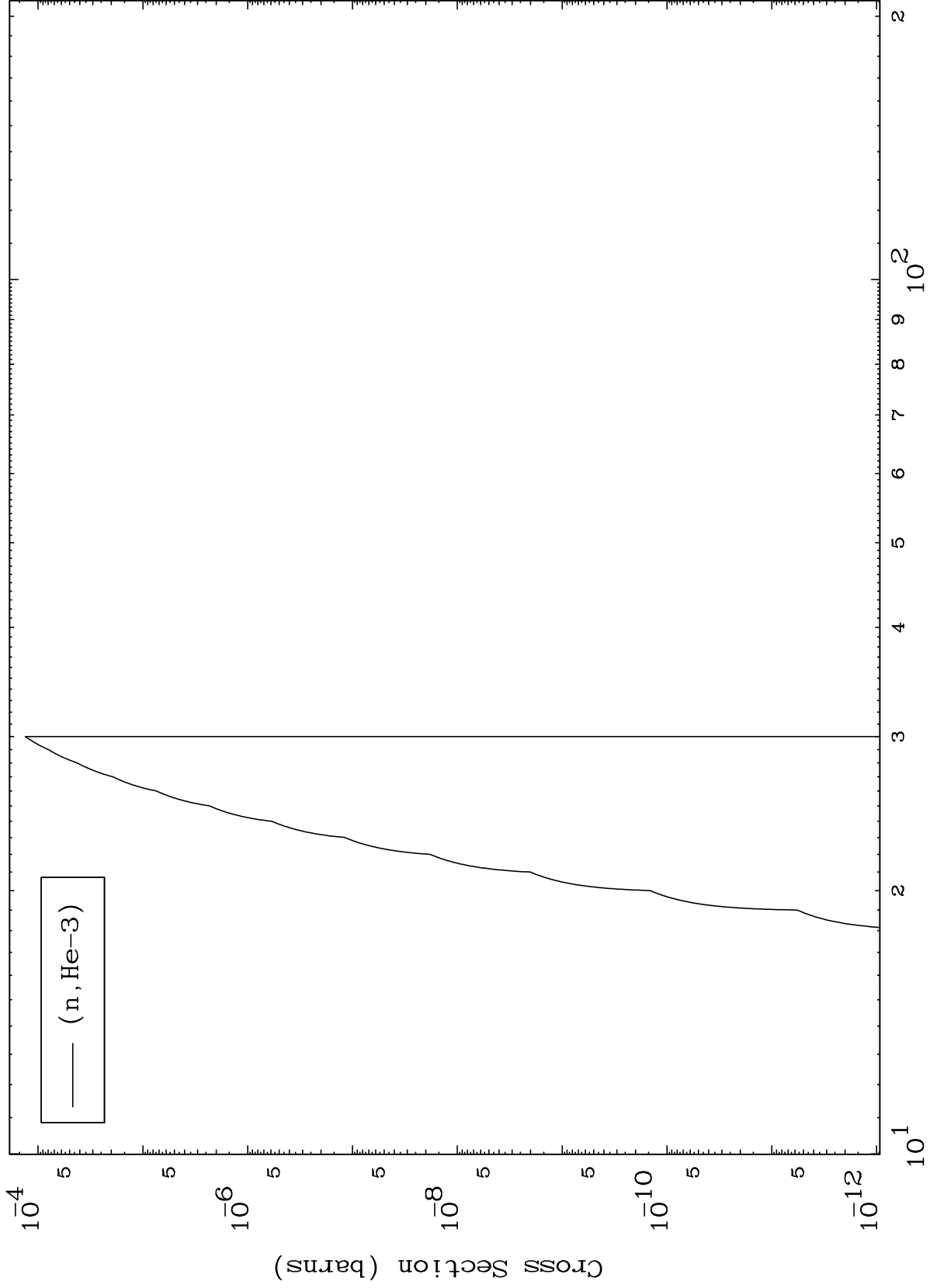
Incident Energy (MeV)

54-Xe-135

MAT 5458

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-135



13

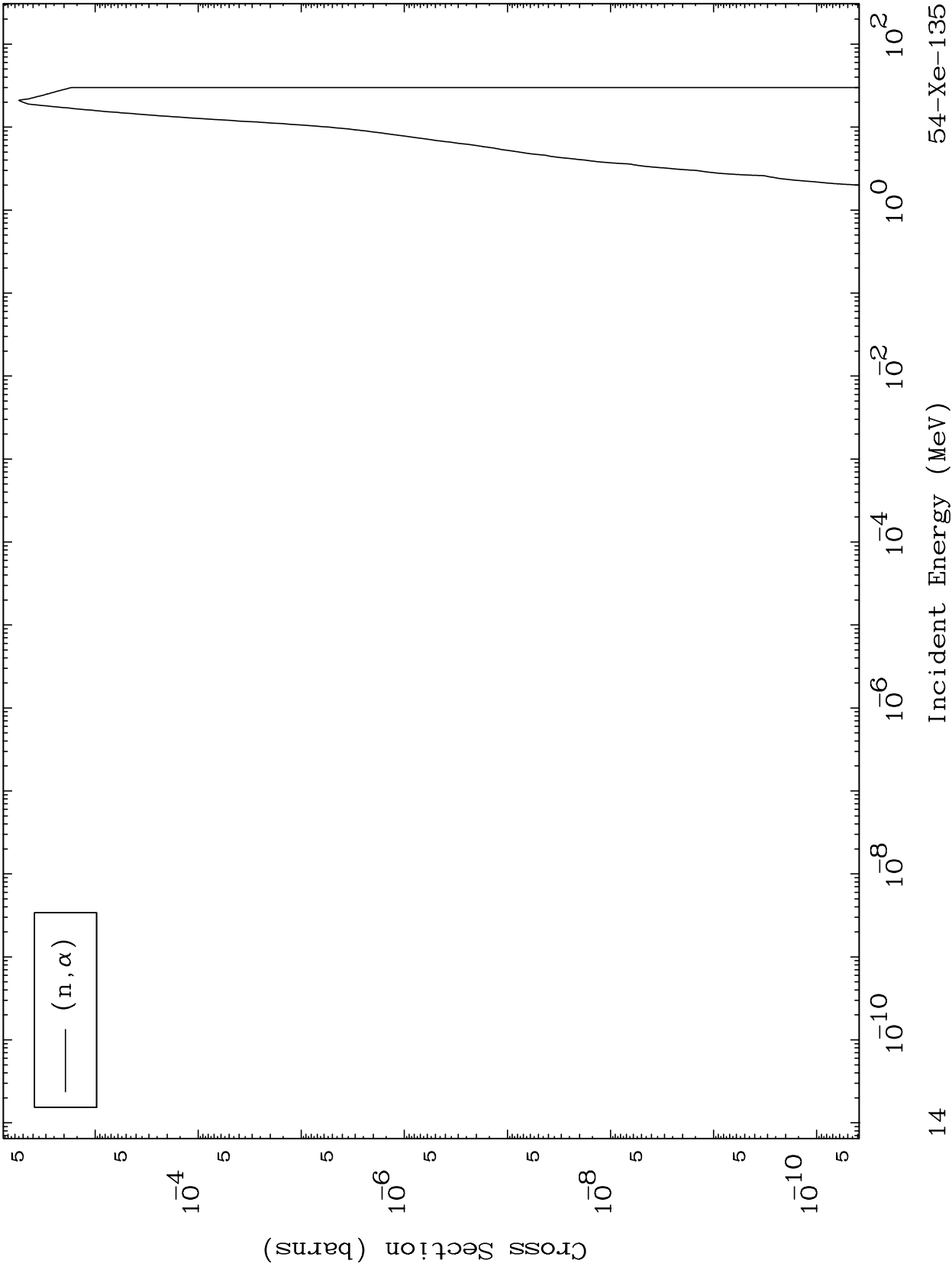
Incident Energy (MeV)

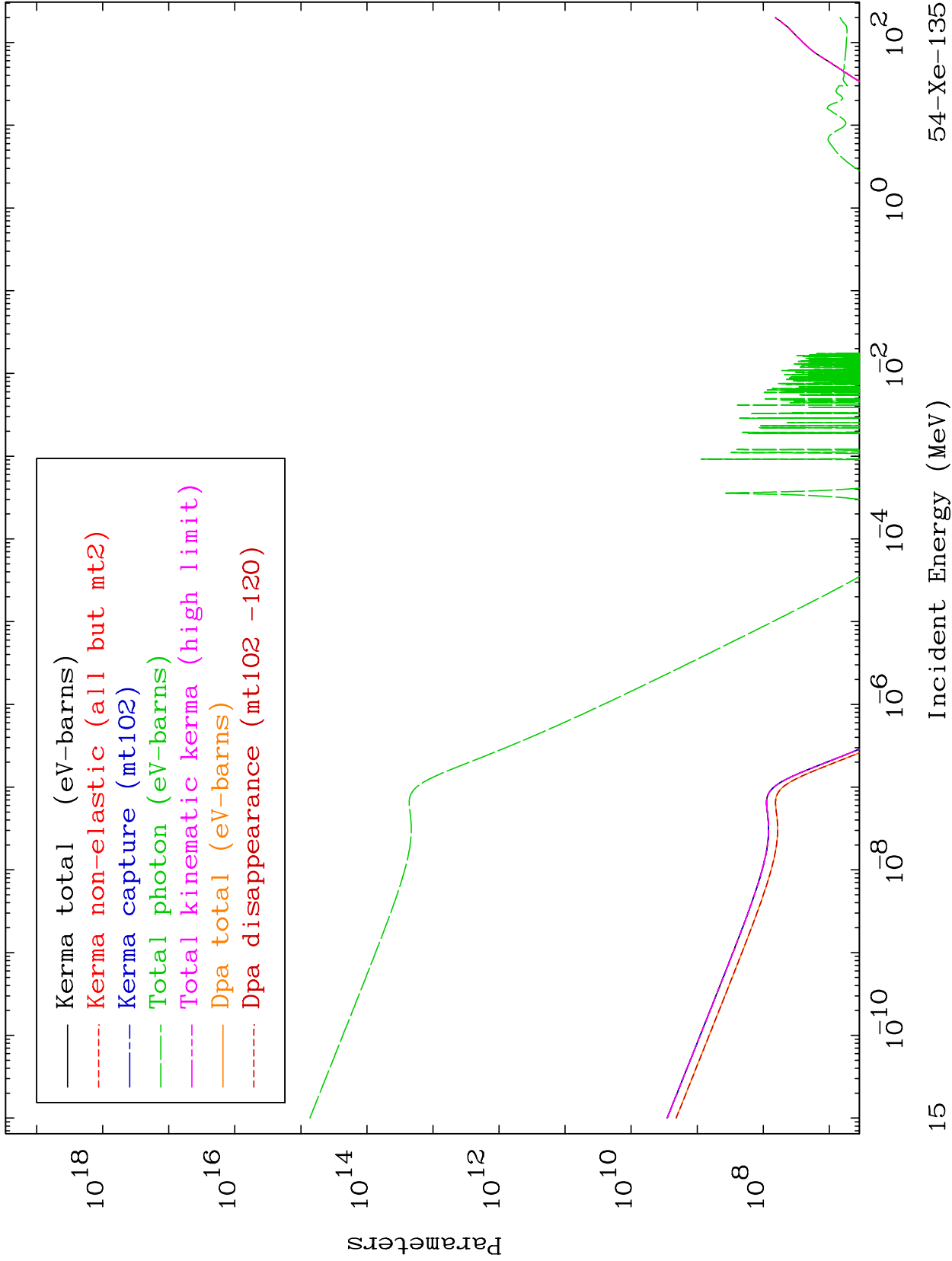
54-Xe-135

MAT 5458

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-135

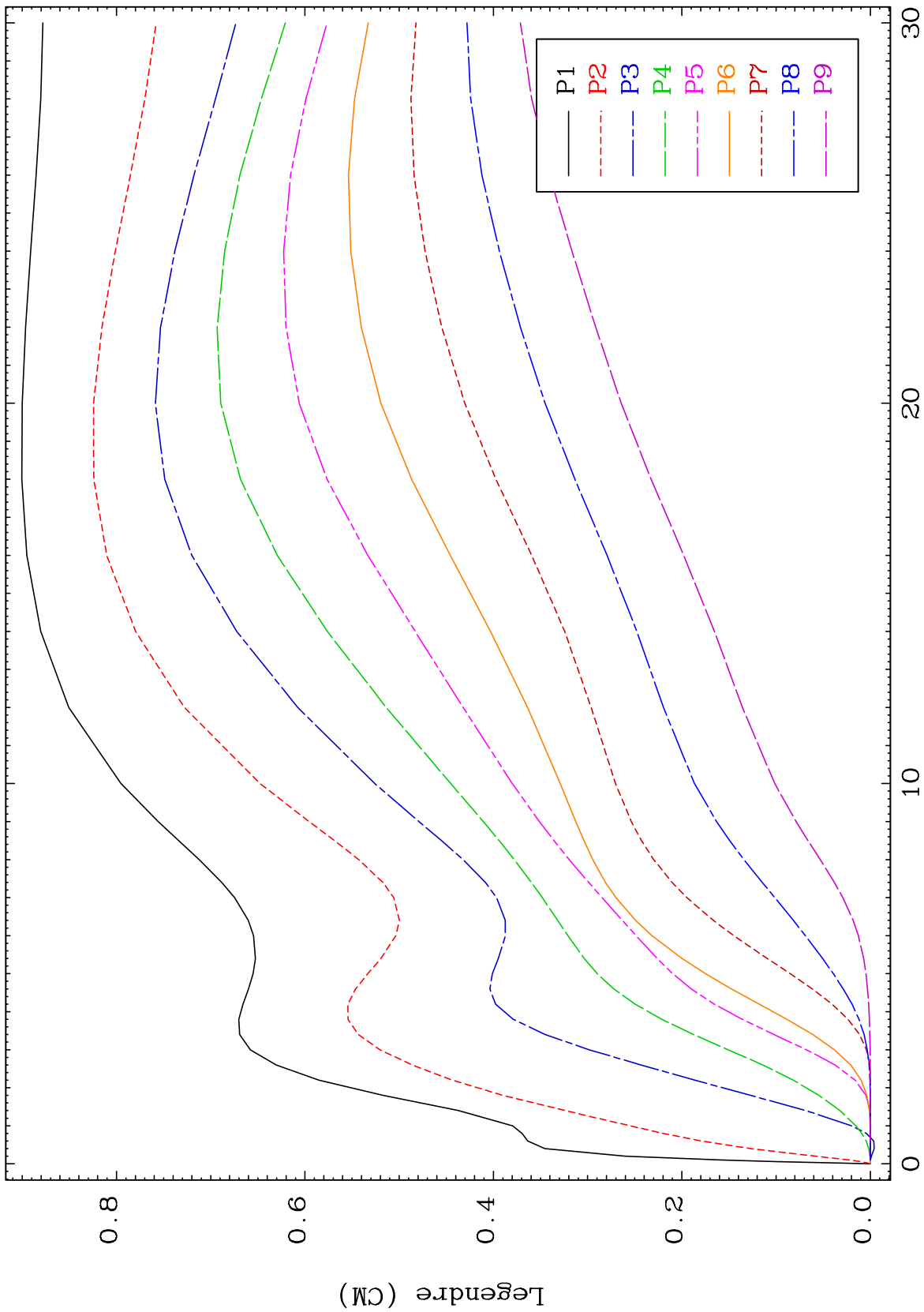




MAT 5458

54-Xe-135

Elastic Legendre Coefficients



16

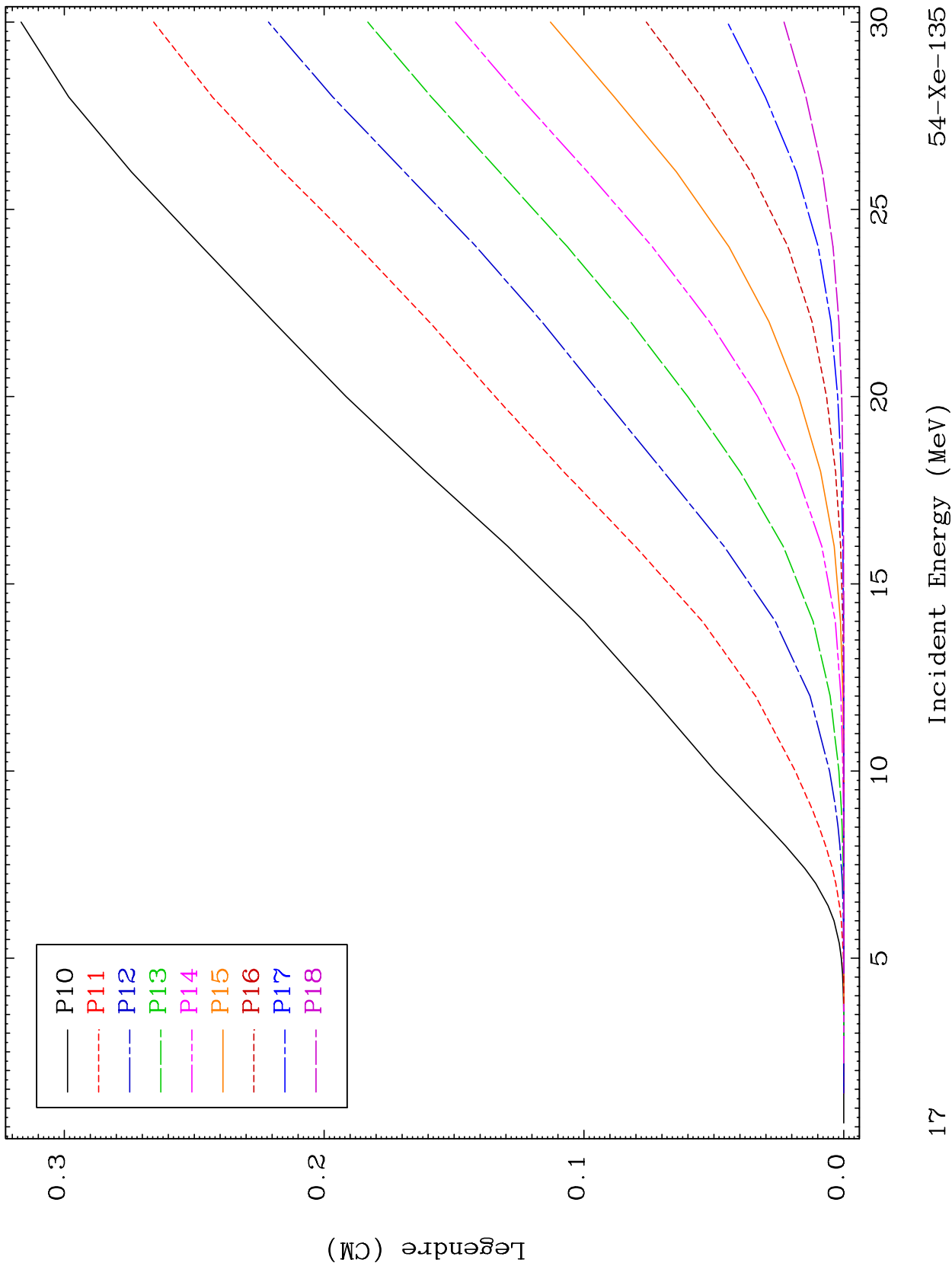
Incident Energy (MeV)

54-Xe-135

MAT 5458

Elastic Legendre Coefficients

54-Xe-135

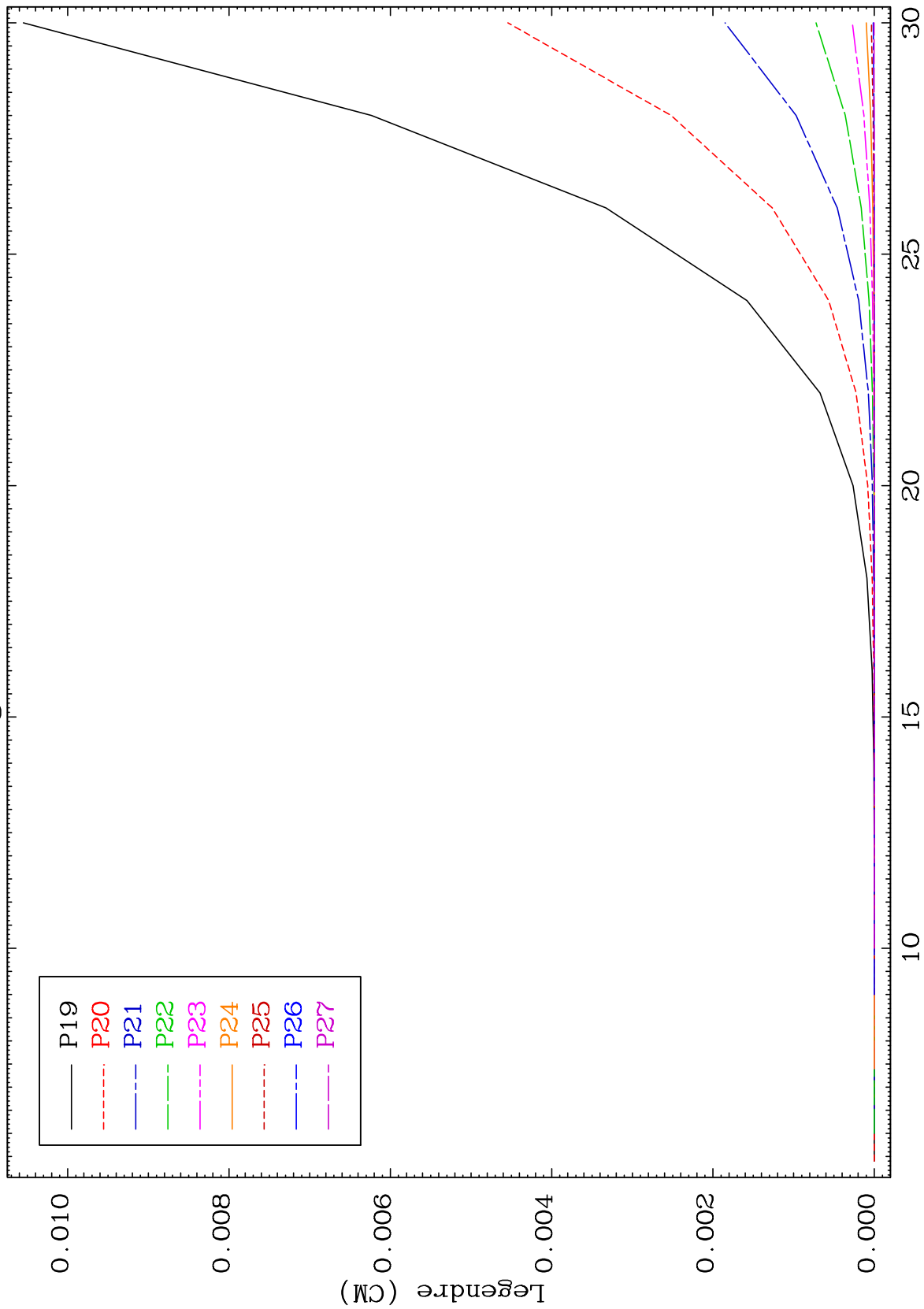


17

MAT 5458

Elastic Legendre Coefficients

54-Xe-135



18

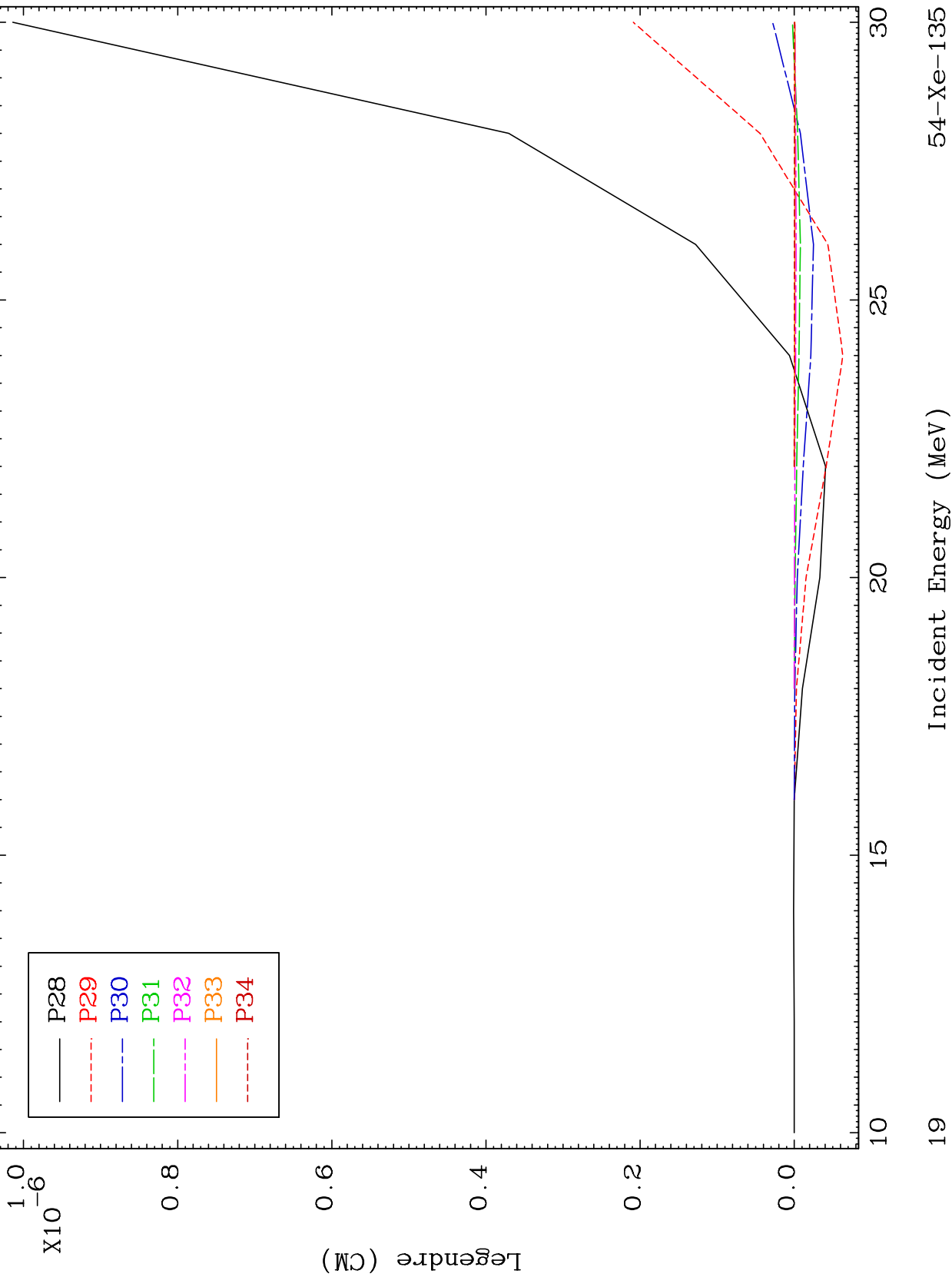
Incident Energy (MeV)

54-Xe-135

MAT 5458

Elastic Legendre Coefficients

54-Xe-135



19

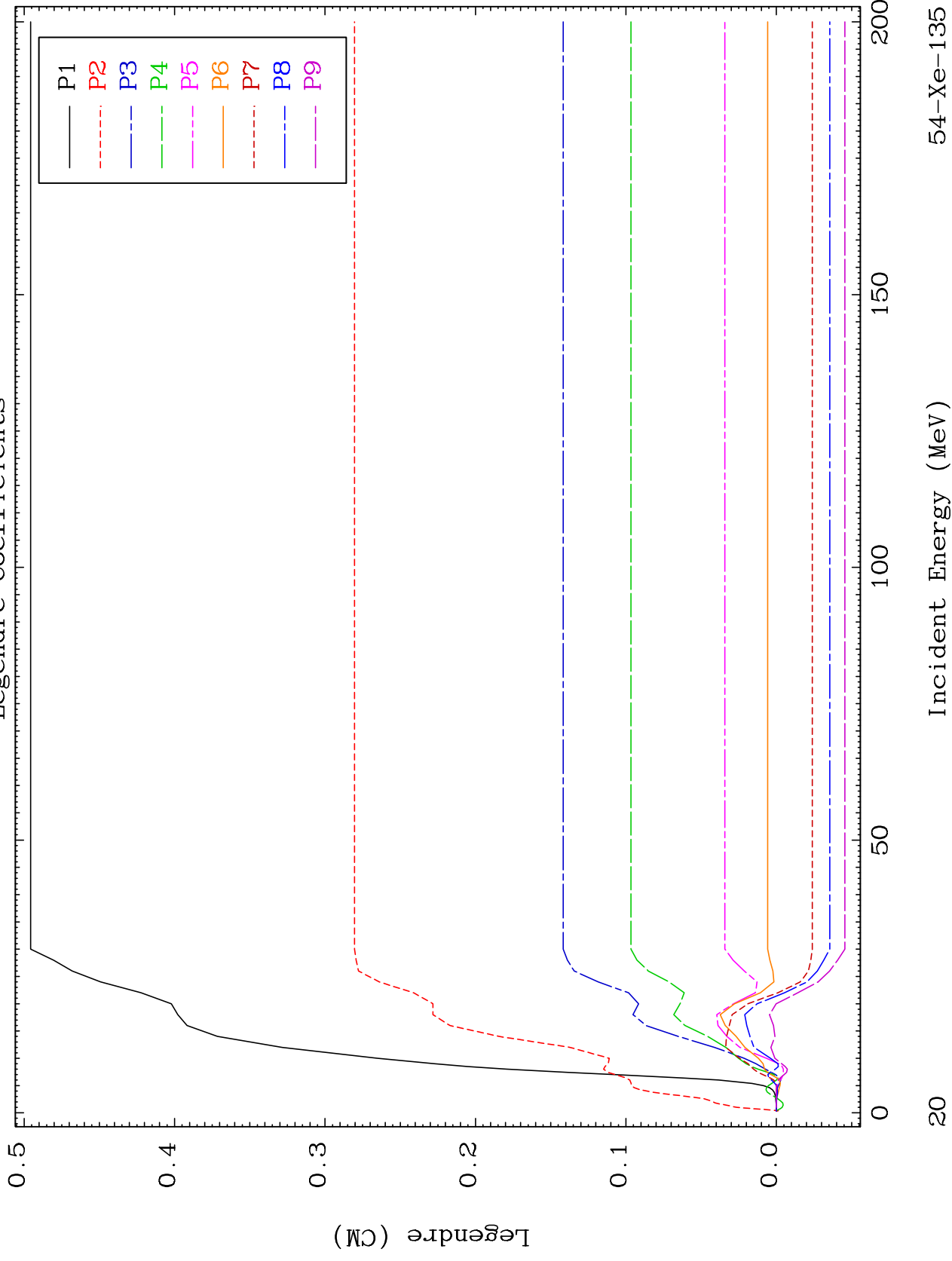
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

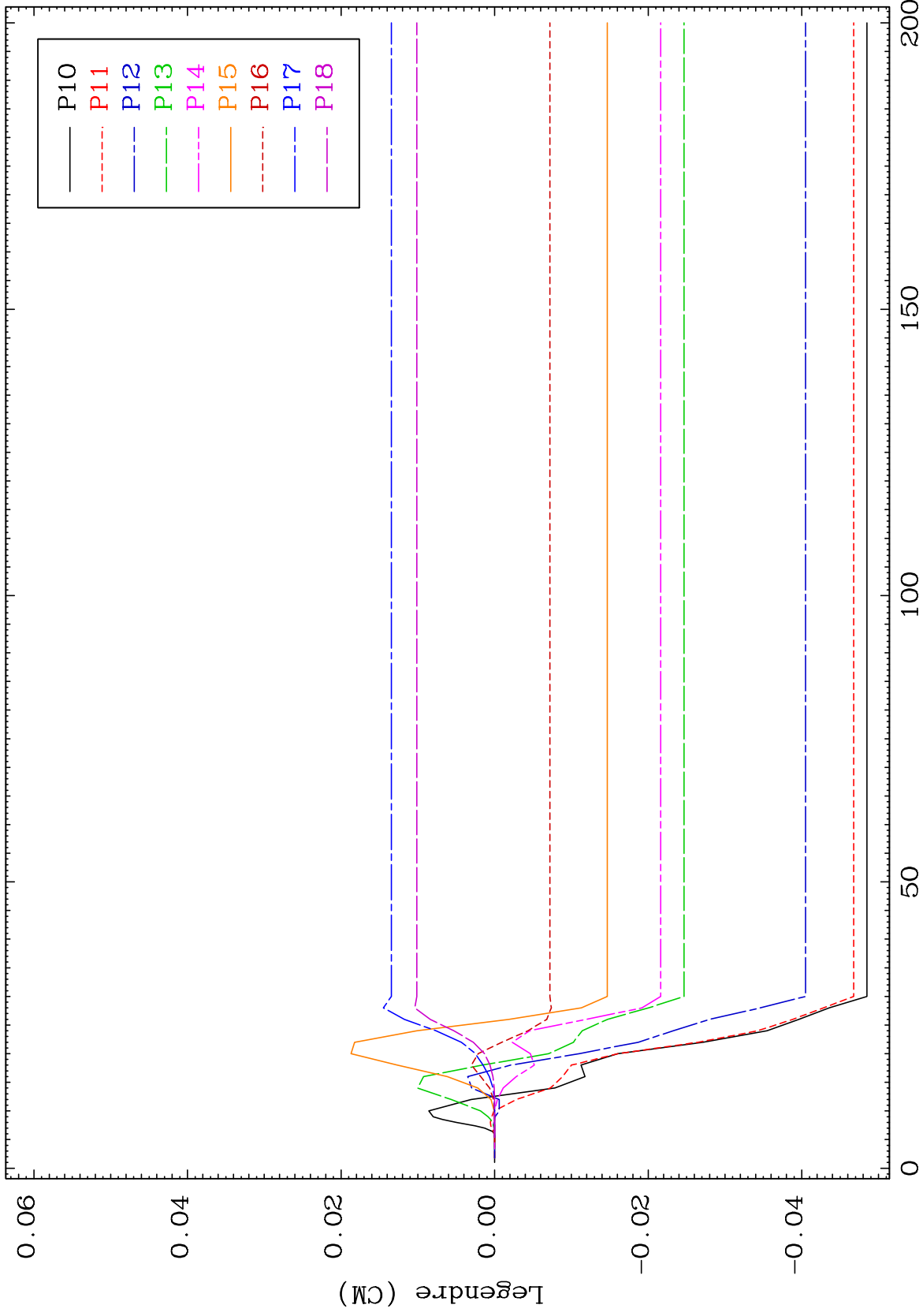
Incident Energy (MeV)

20

MAT 5458

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

54-Xe-135



21

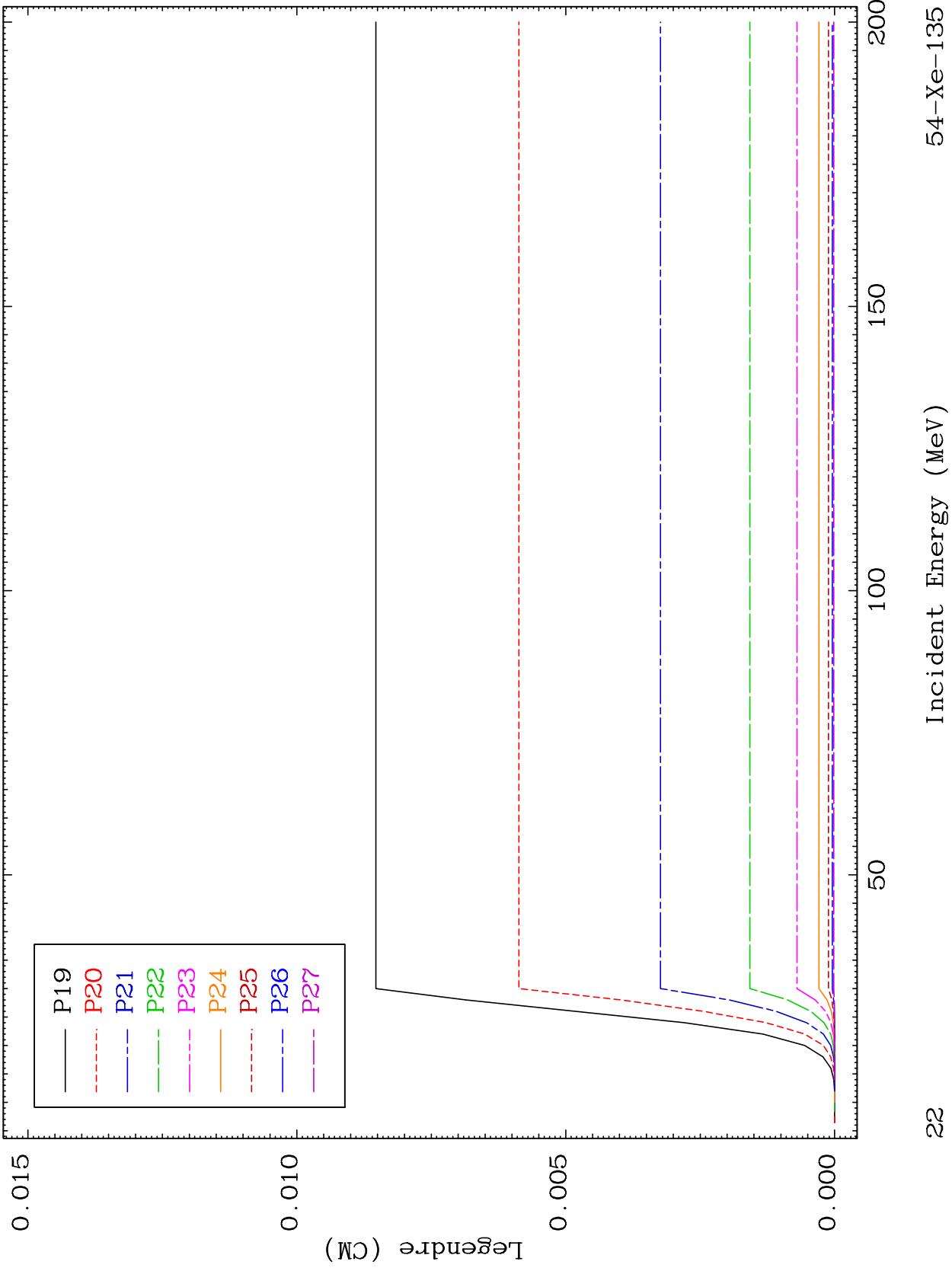
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



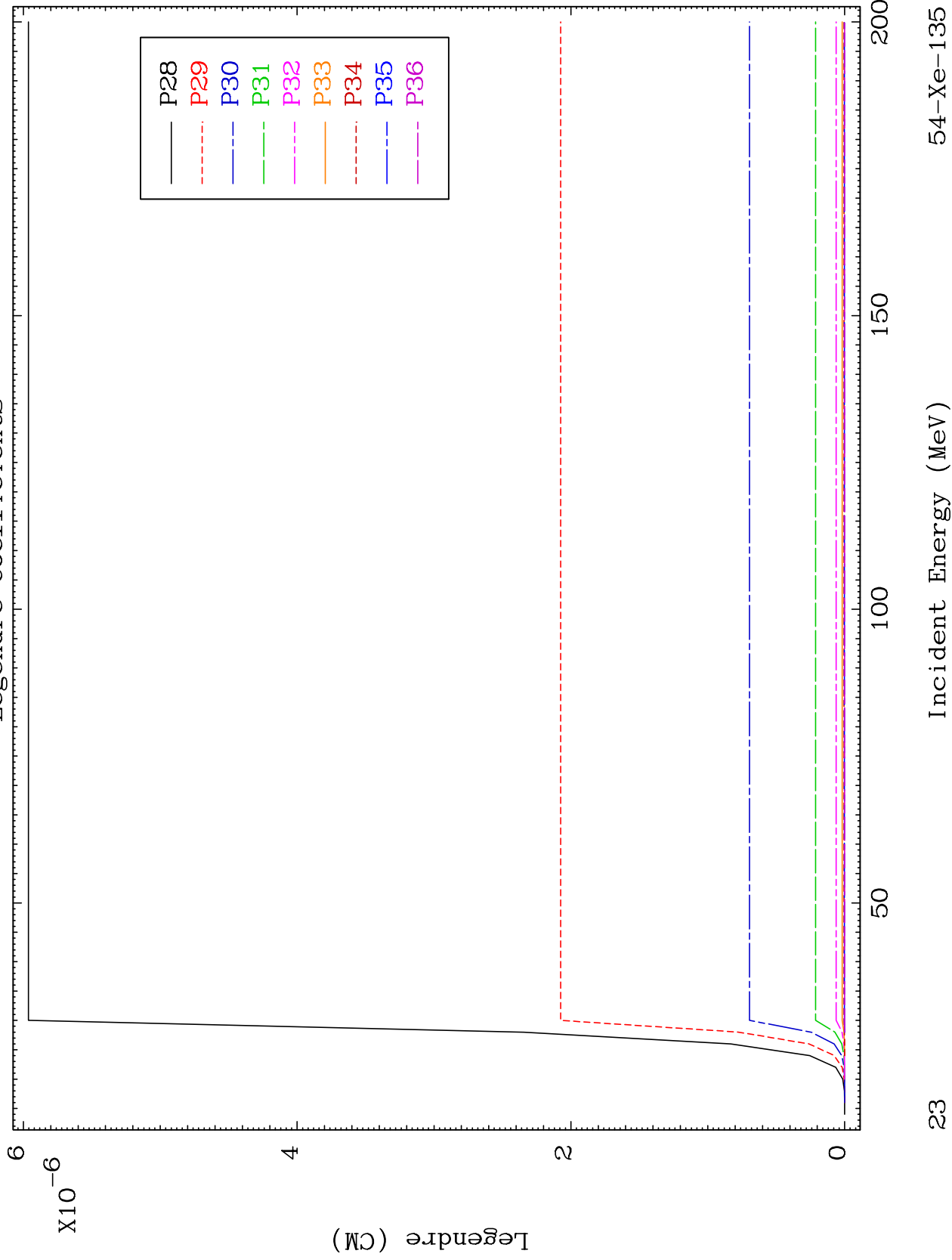
22

54-Xe-135

MAT 5458

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

54-Xe-135



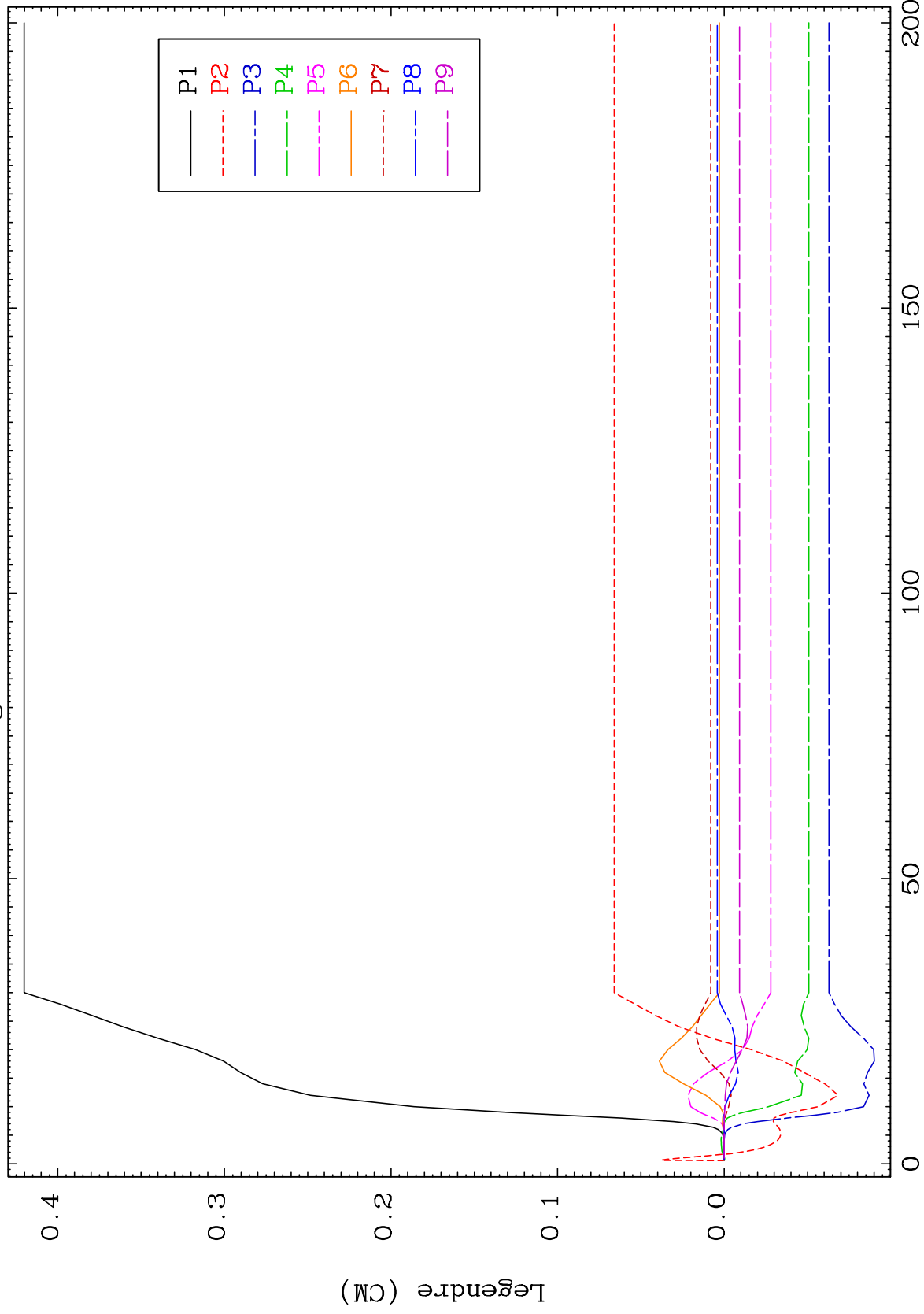
23

54-Xe-135

MAT 5458

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

54-Xe-135



24

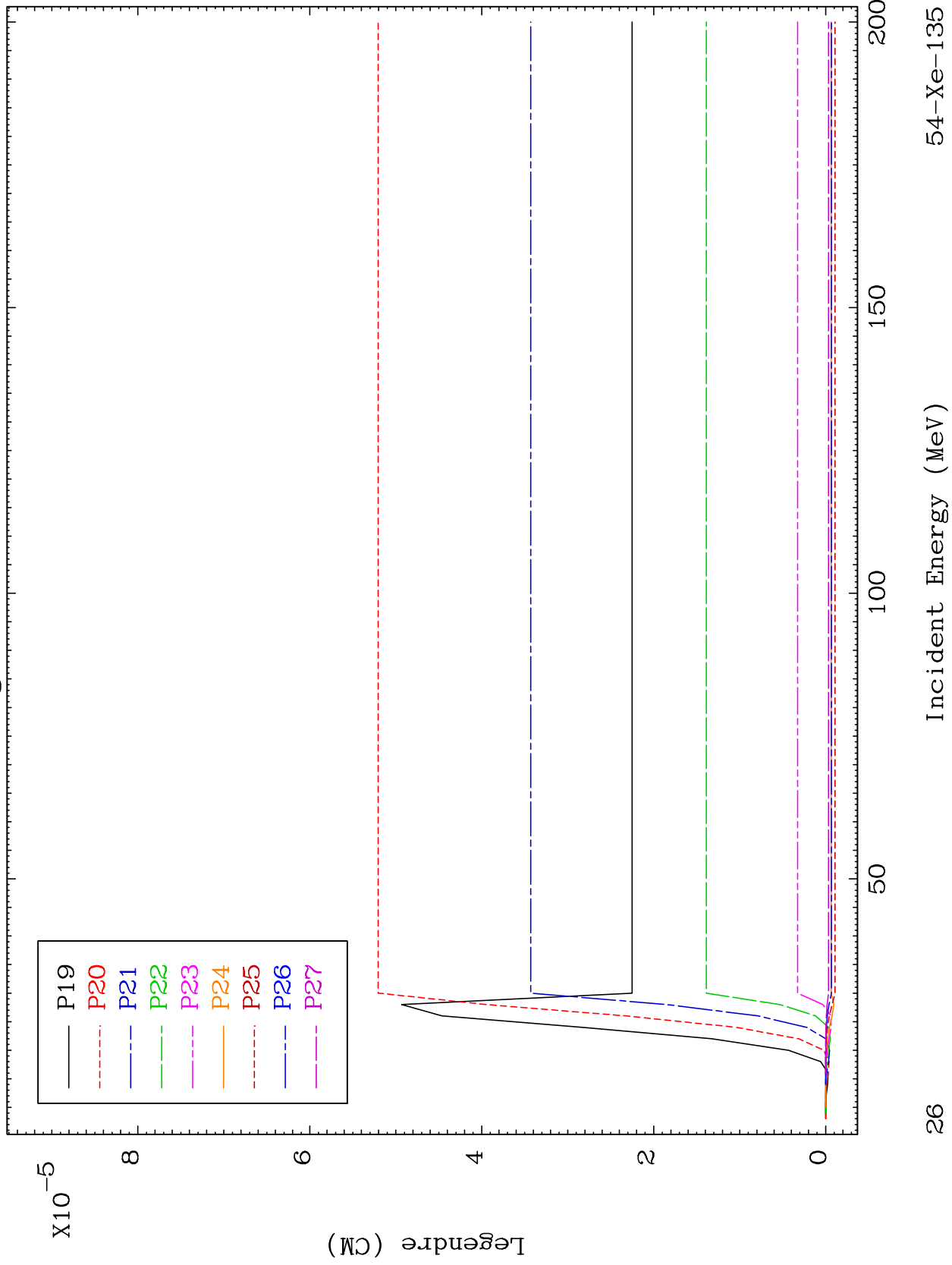
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



26

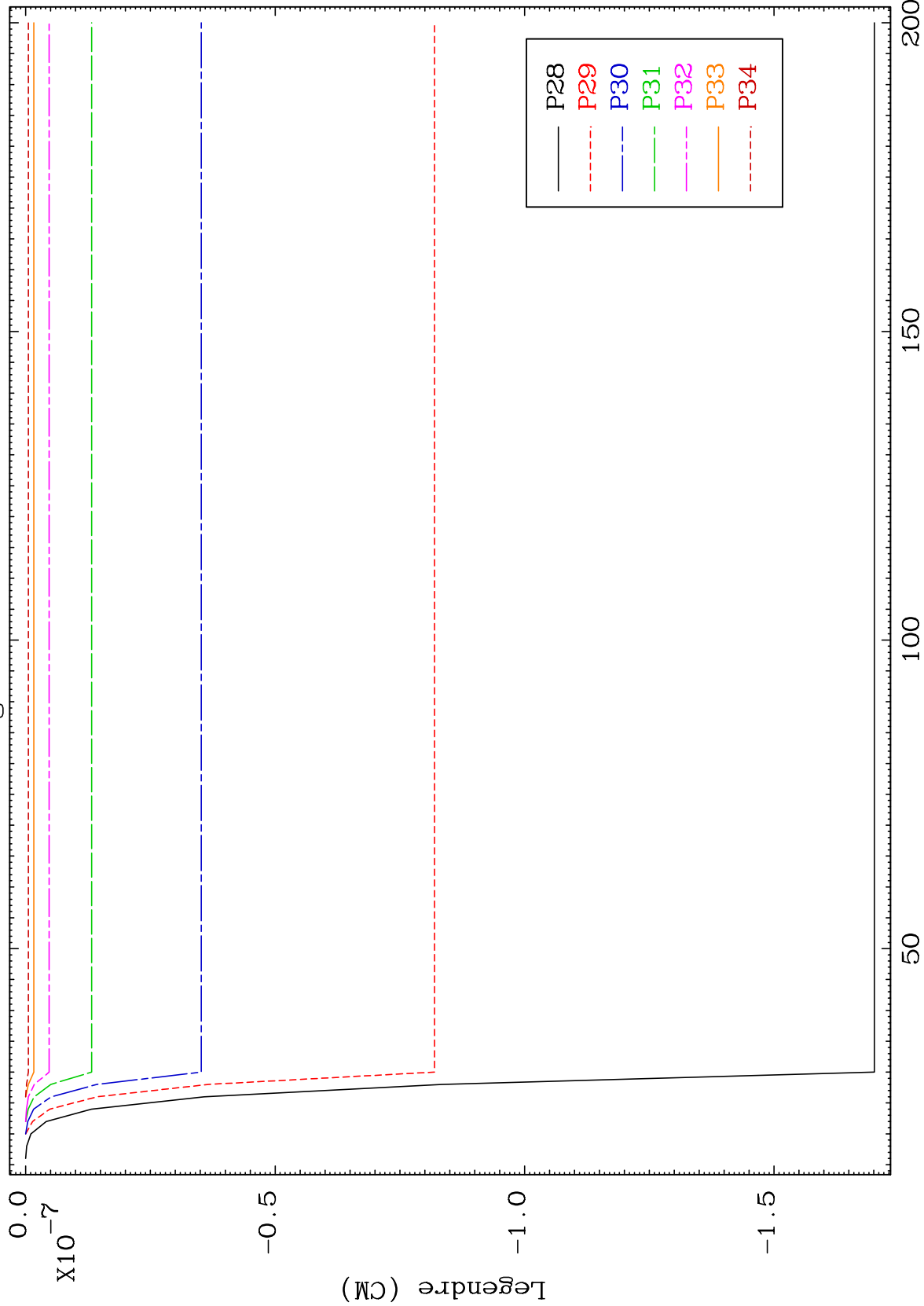
Incident Energy (MeV)

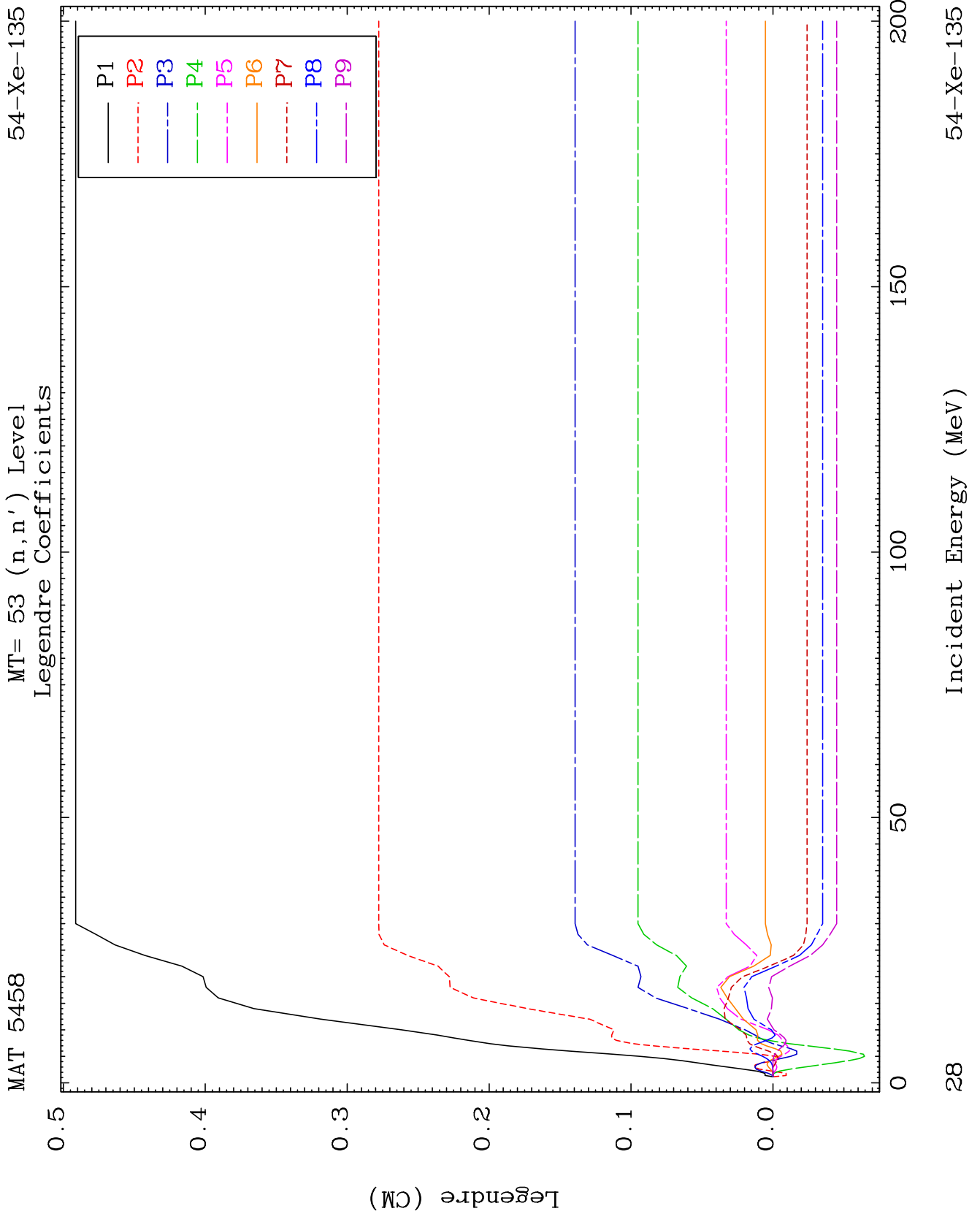
54-Xe-135

MAT 5458

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

54-Xe-135

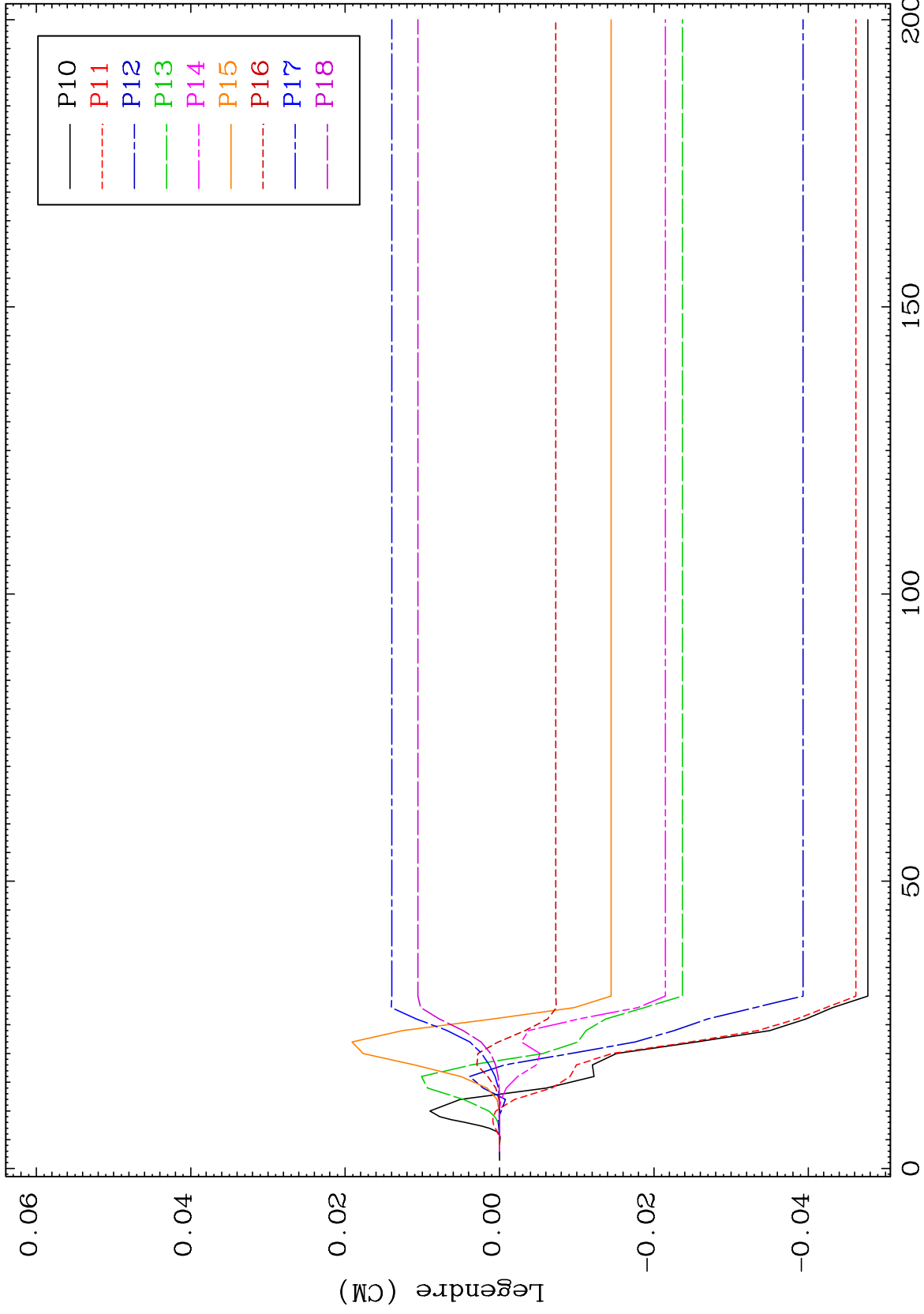




MAT 5458

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

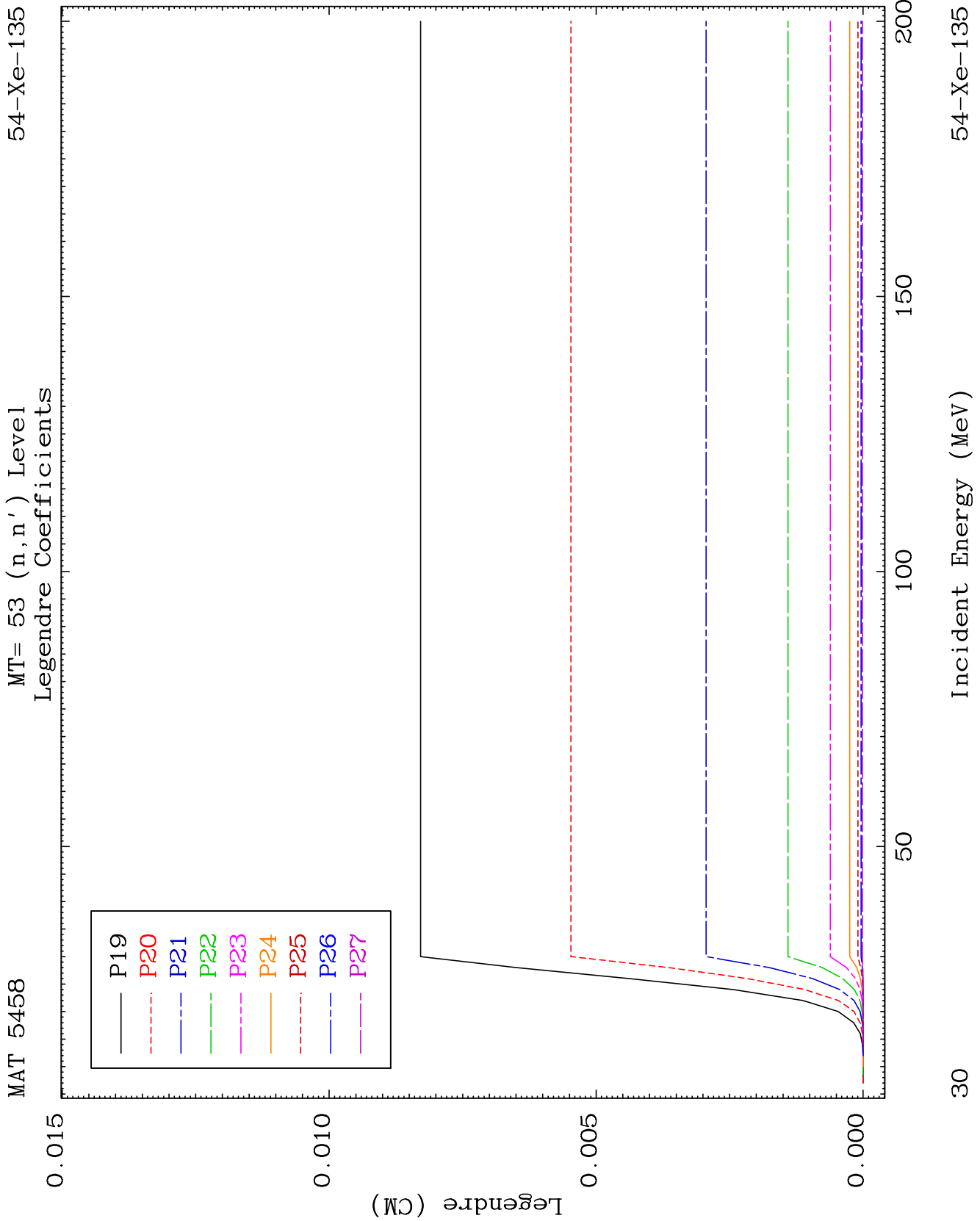
54-Xe-135



29

Incident Energy (MeV)

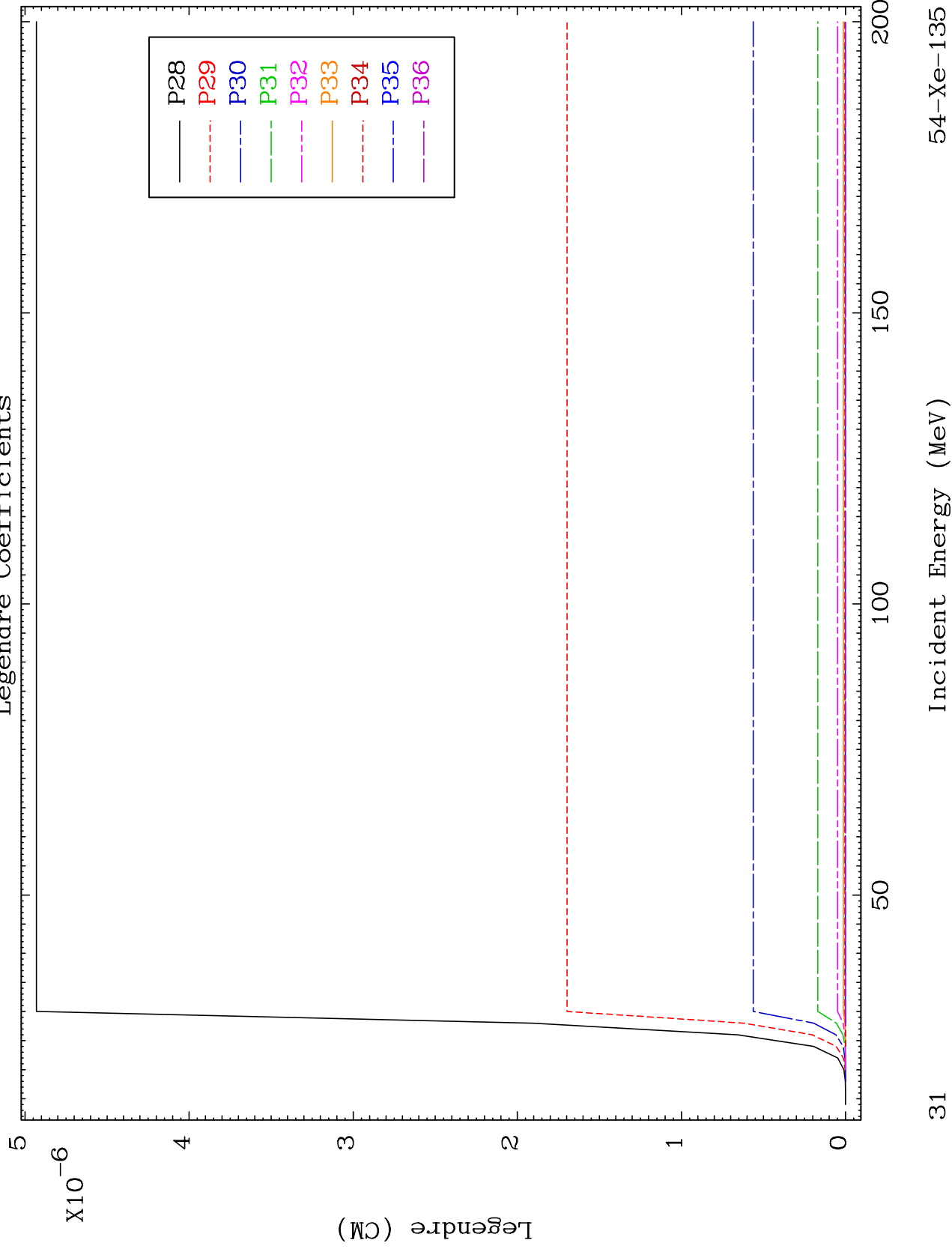
54-Xe-135



MAT 5458

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

54-Xe-135



31

Incident Energy (MeV)

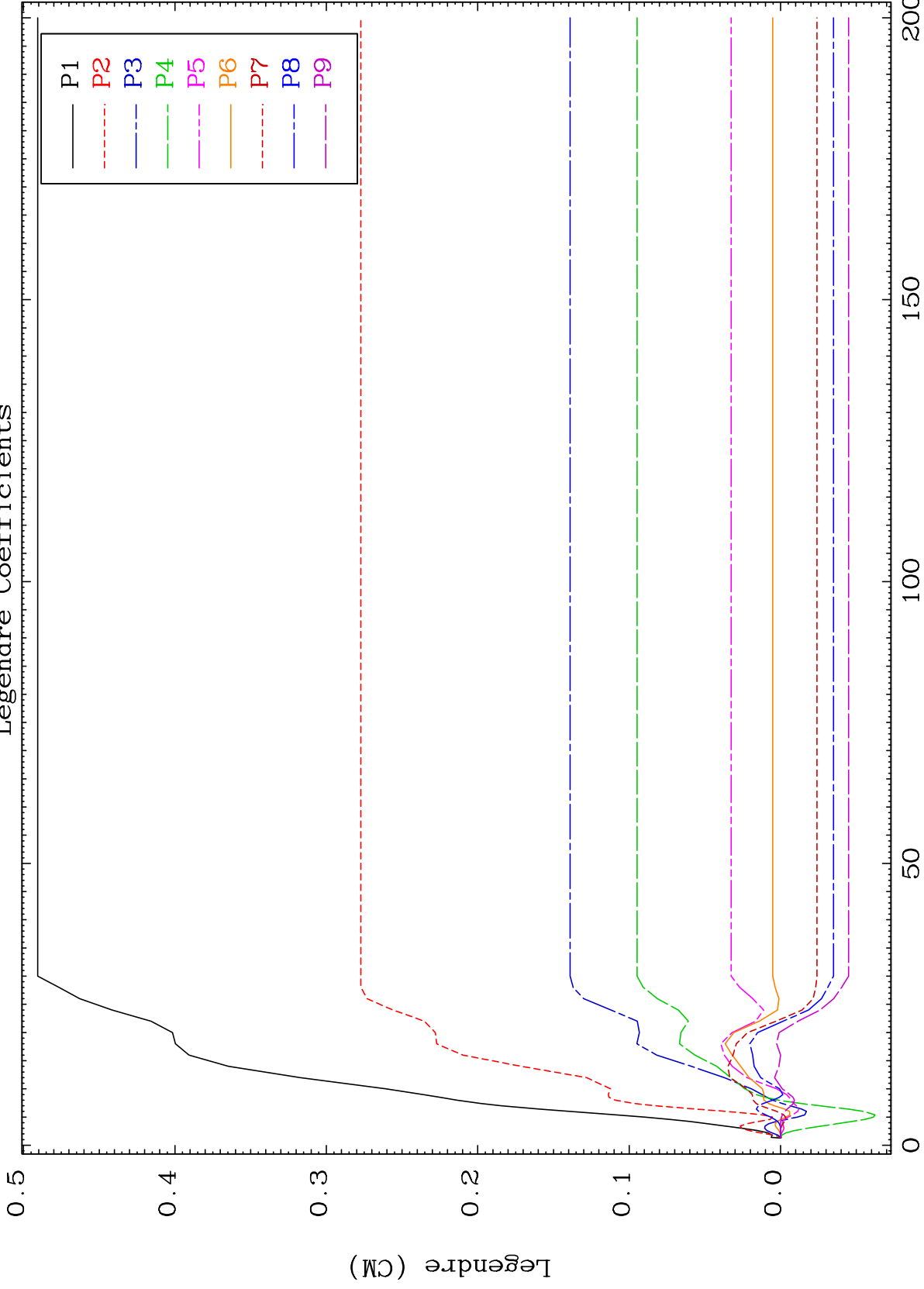
54-Xe-135

MAT 5458

MT= 54 (n,n') Level

54-Xe-135

Legendre Coefficients



32

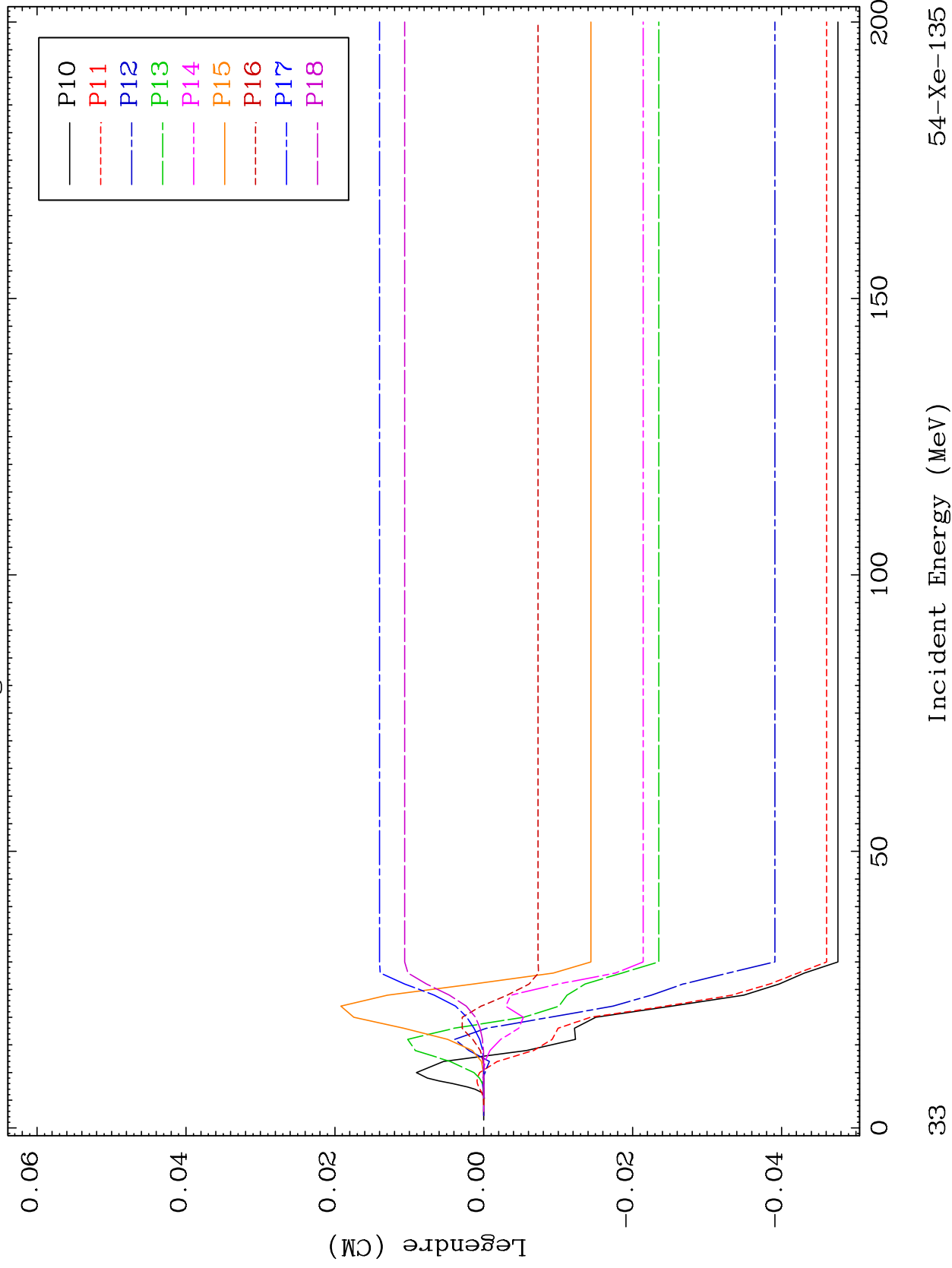
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



33

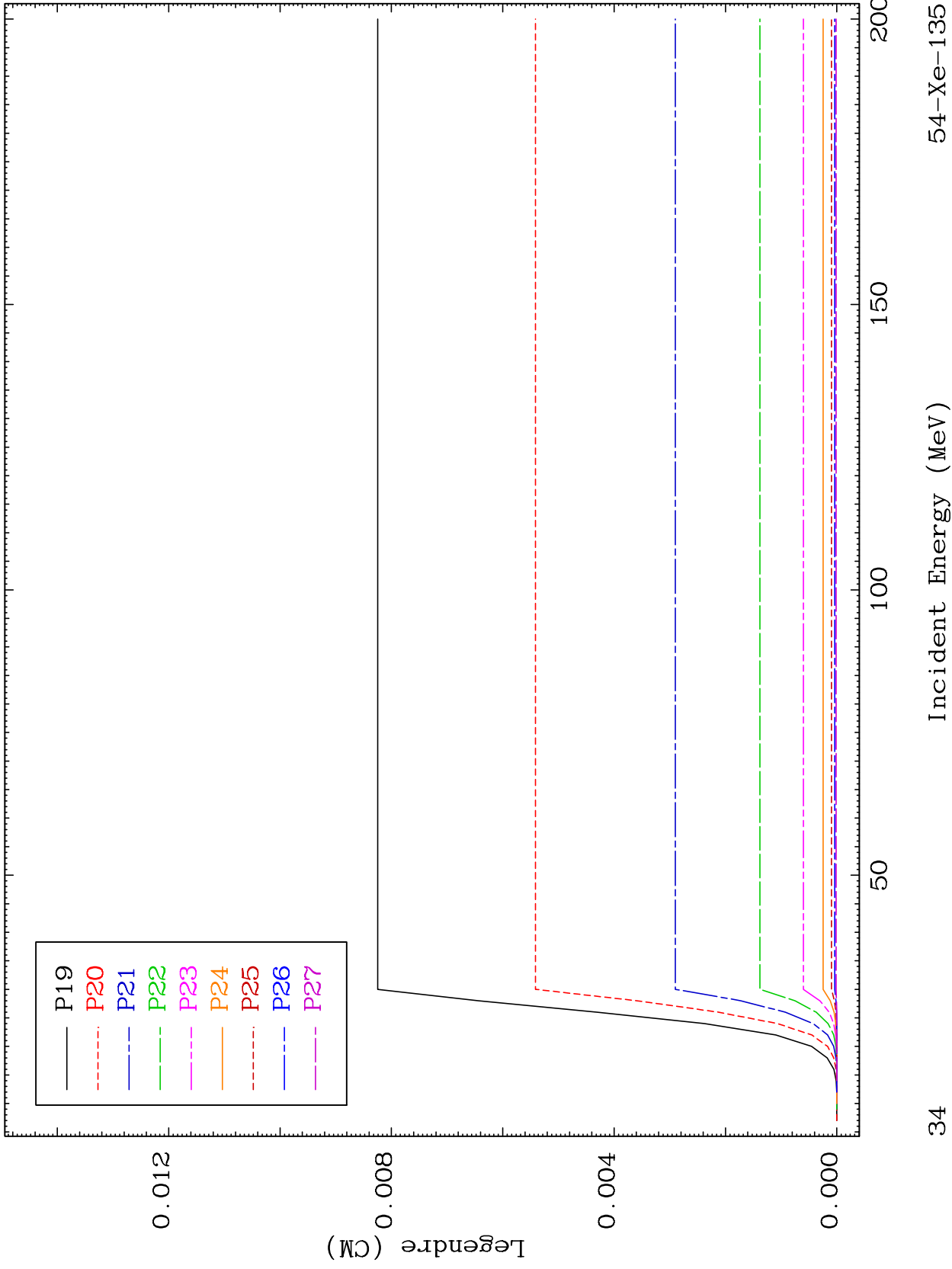
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



34

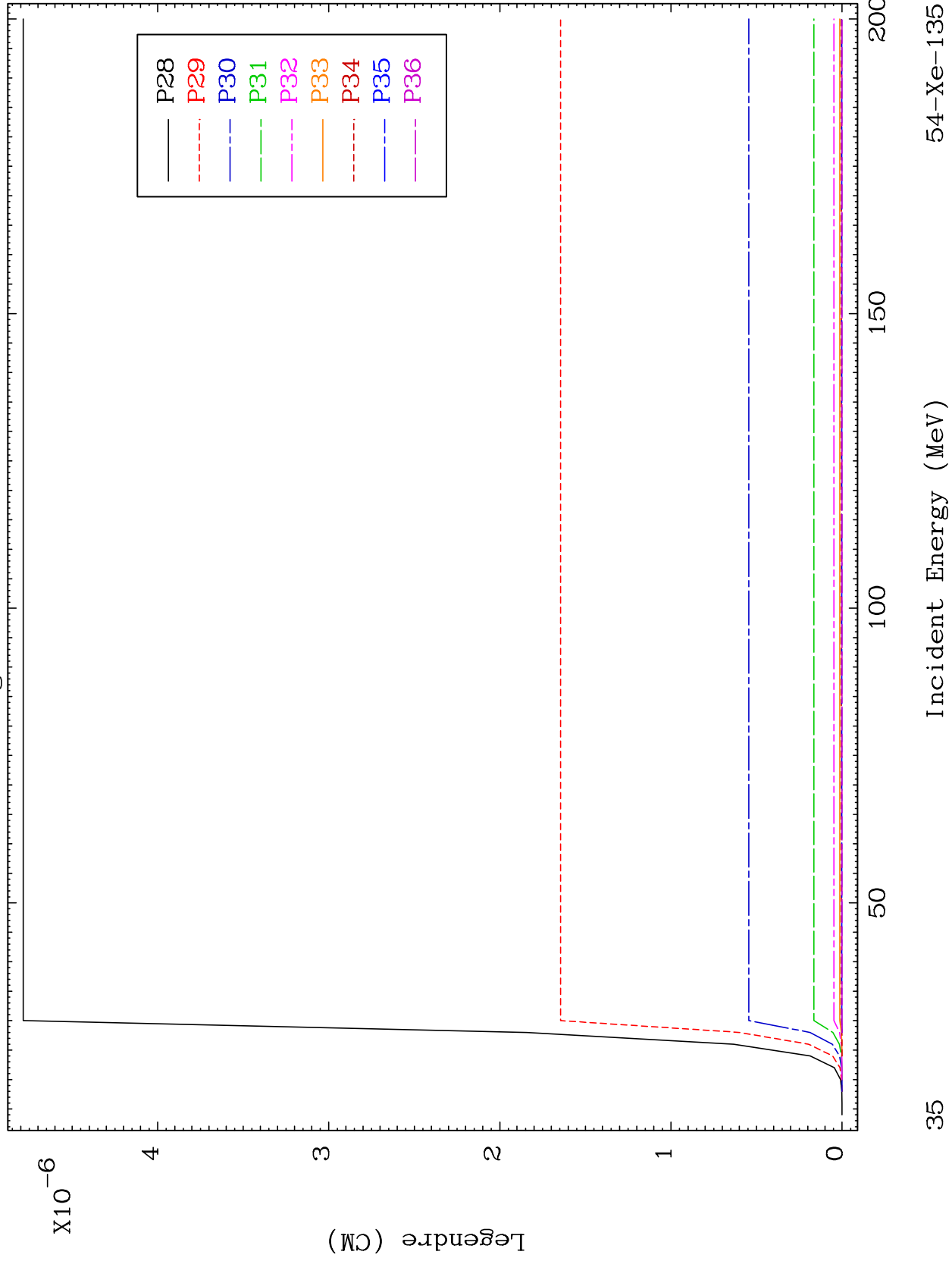
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



35

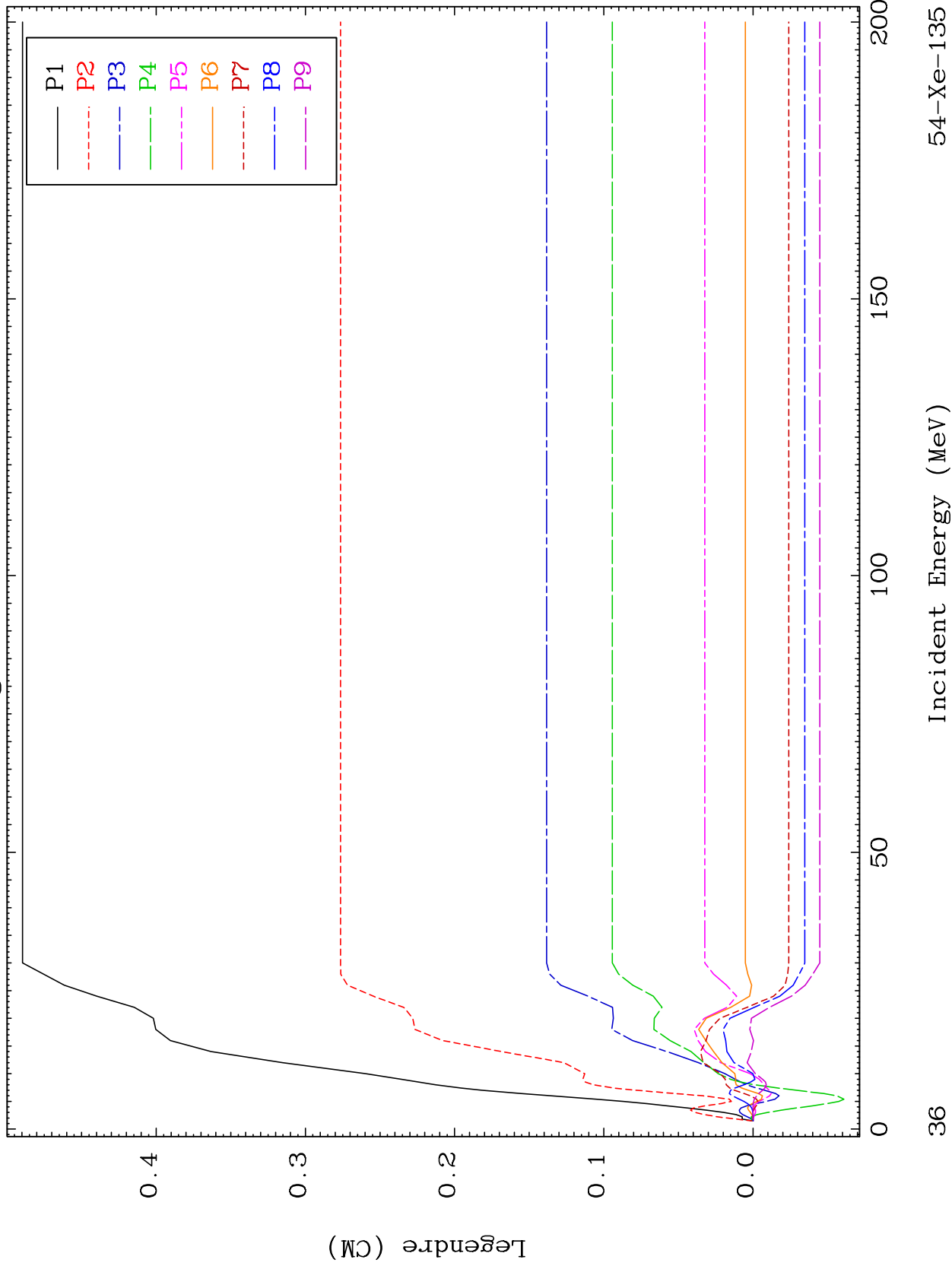
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

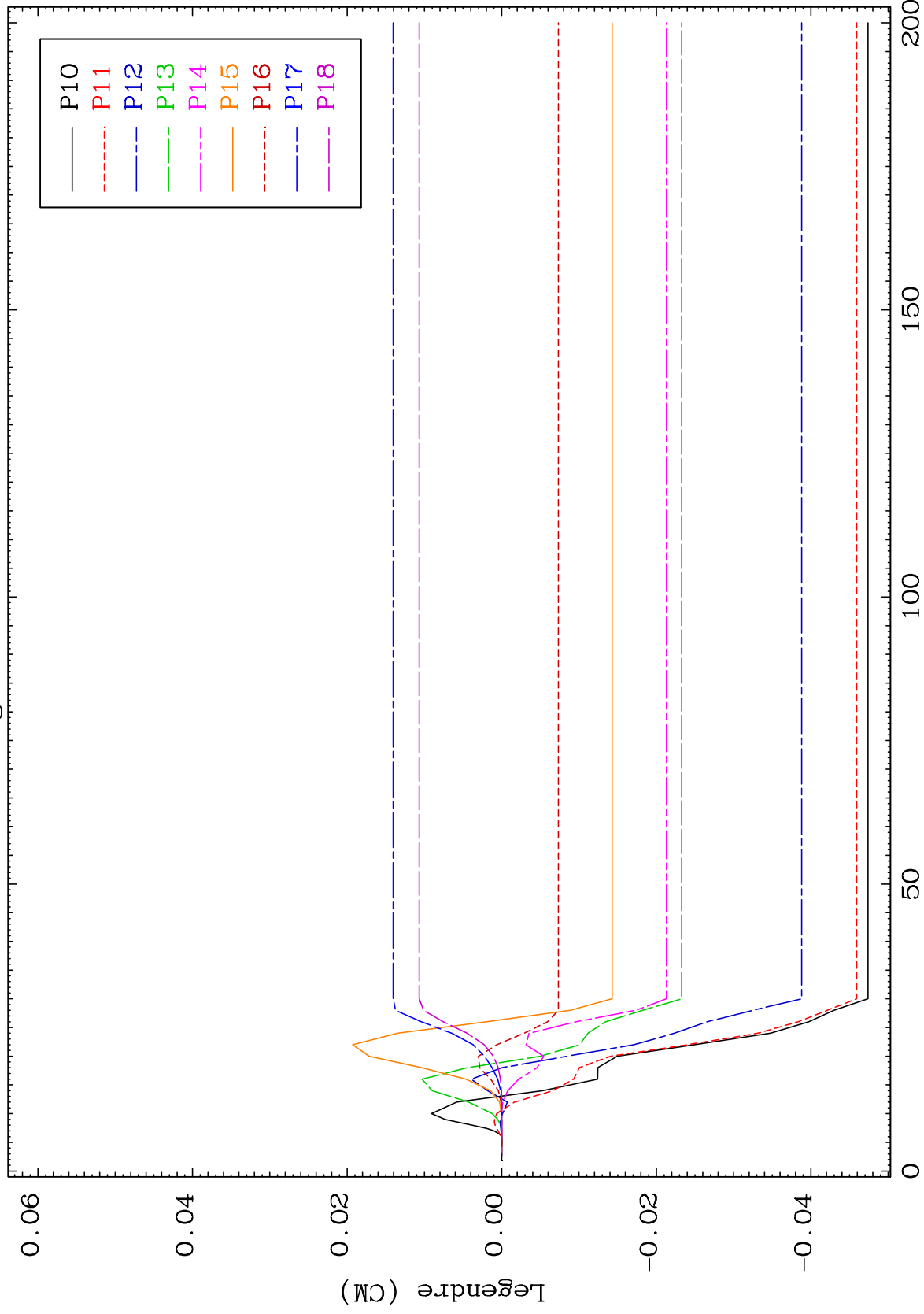
54-Xe-135



MAT 5458

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

54-Xe-135



37

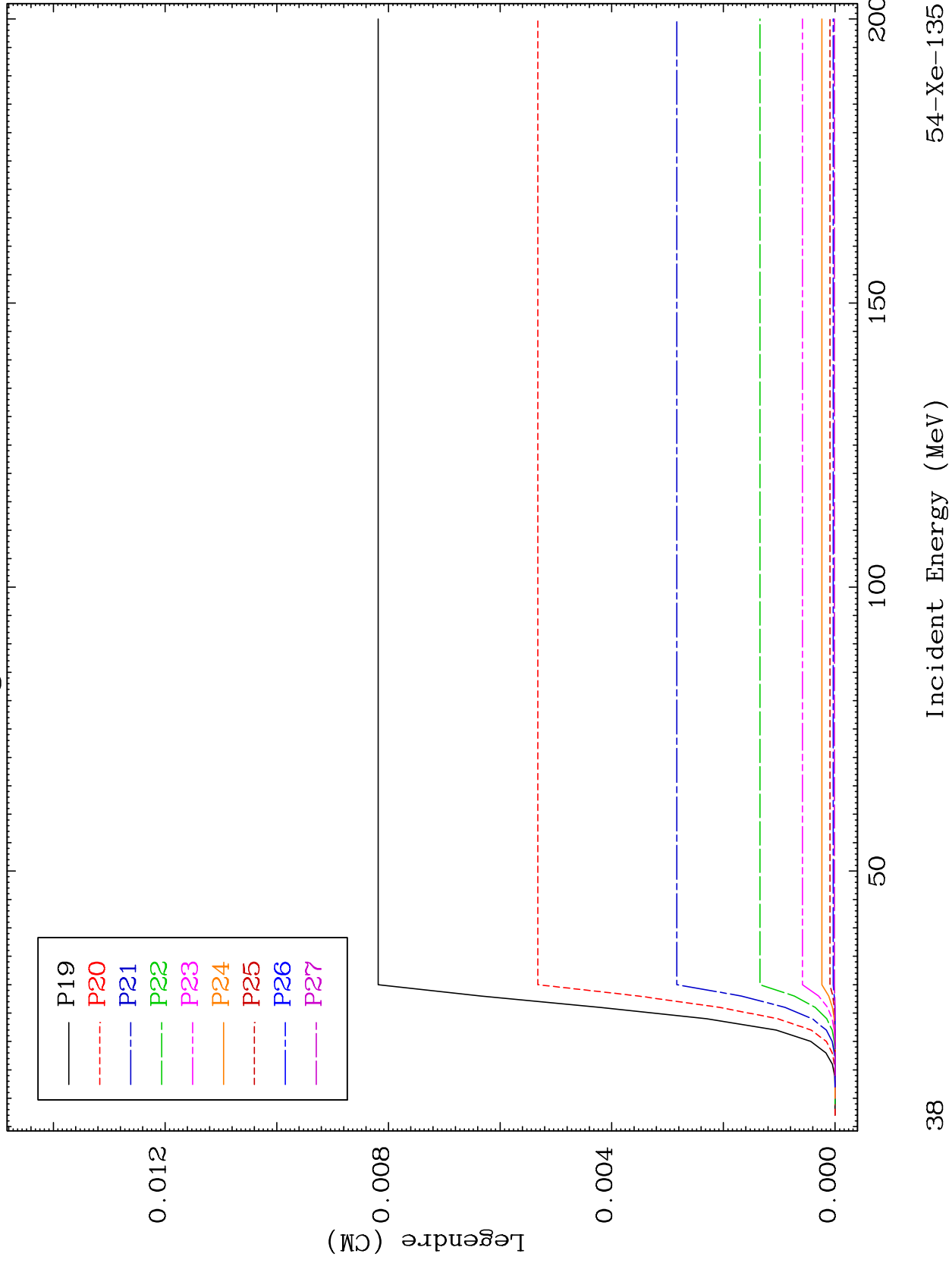
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



38

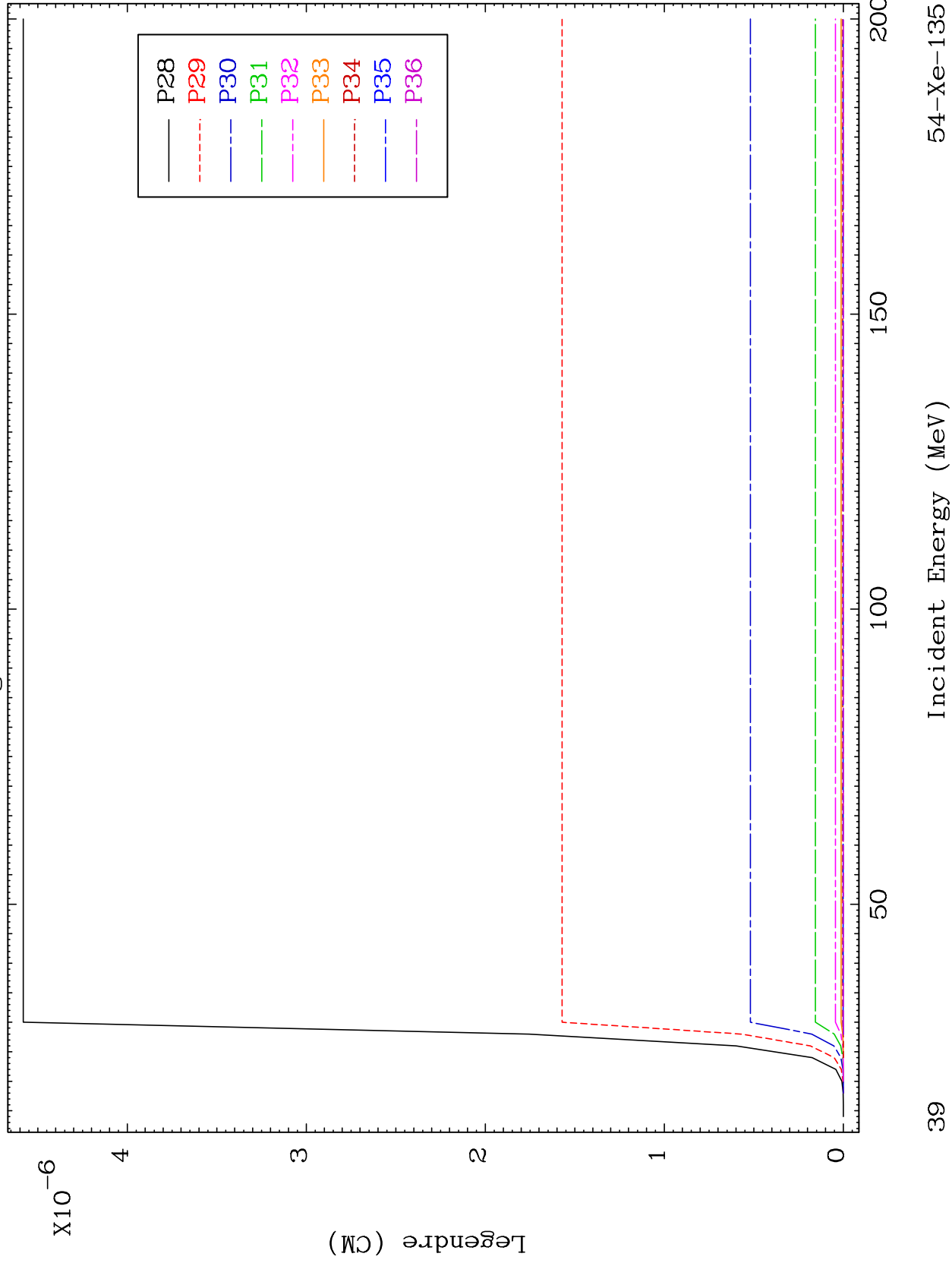
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

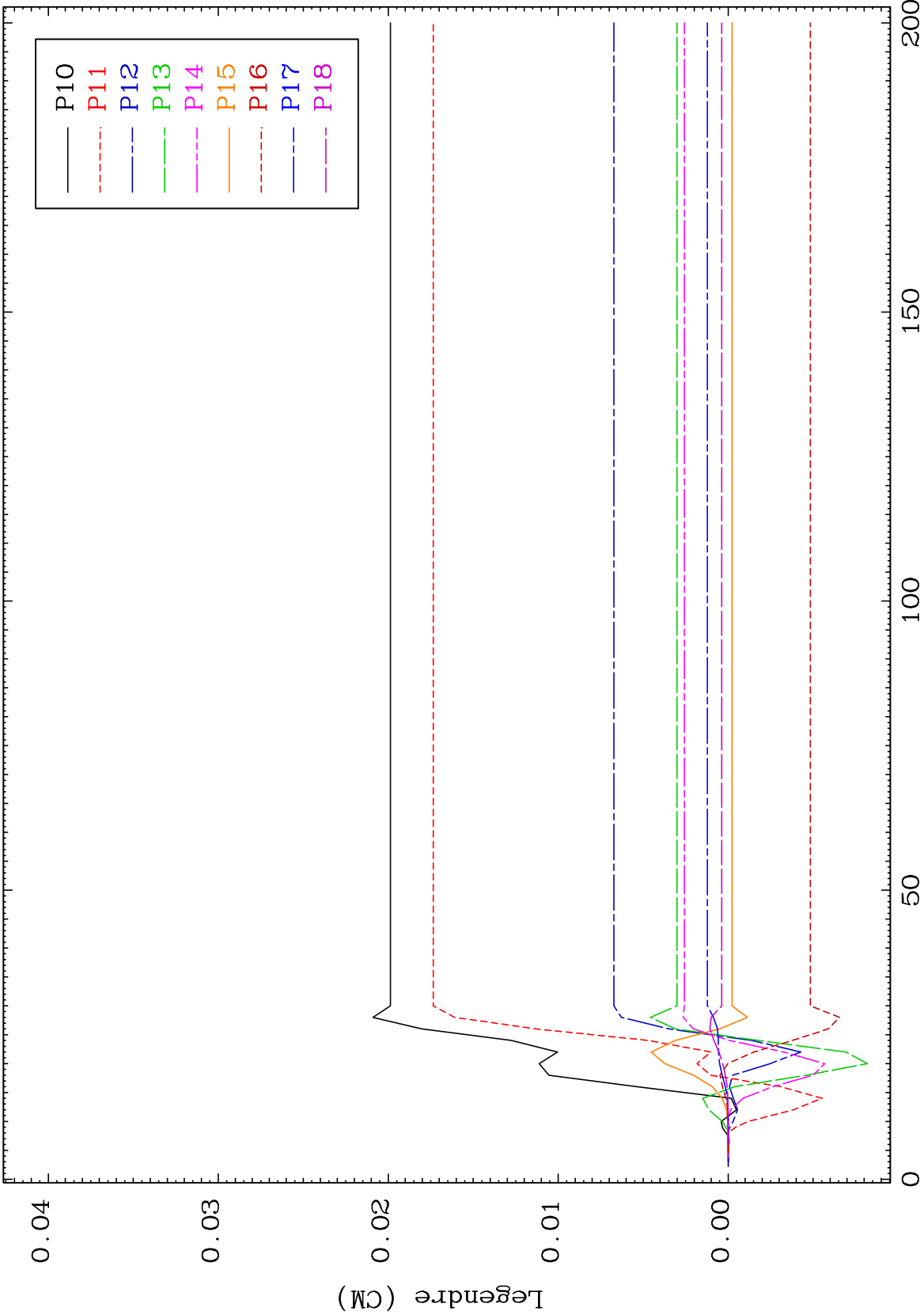
54-Xe-135



MAT 5458

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

54-Xe-135



41

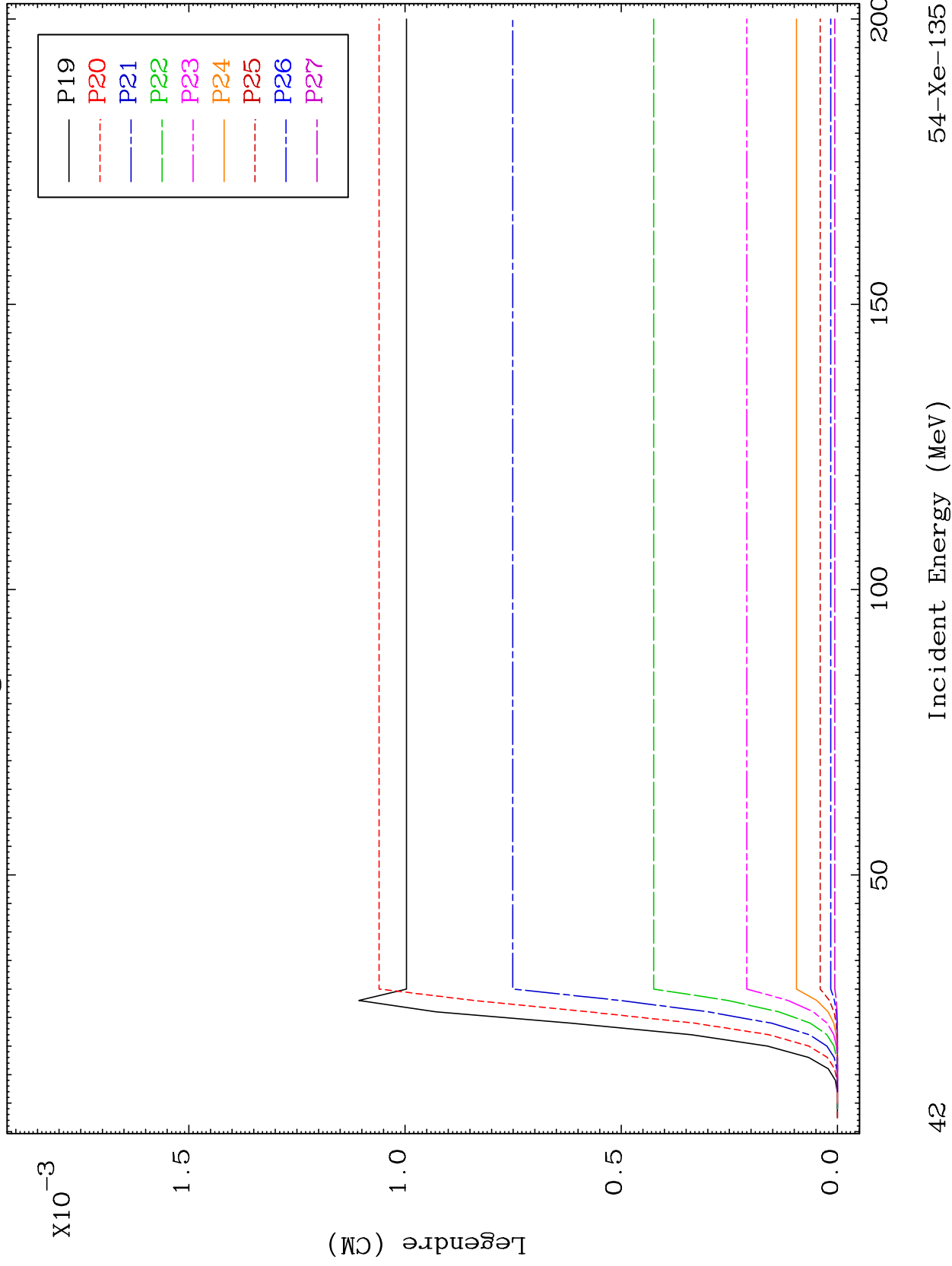
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135

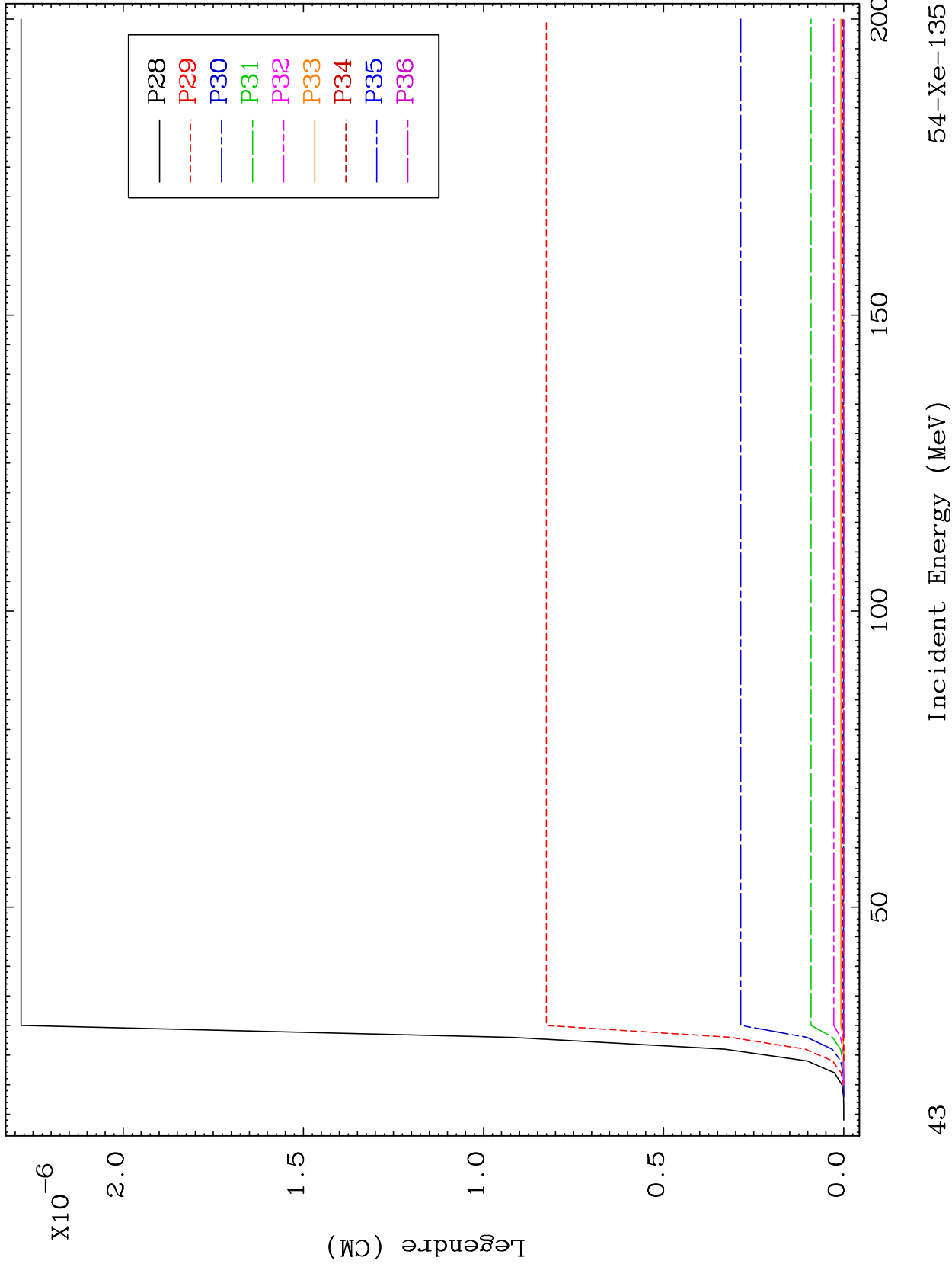


42

MAT 5458

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

54-Xe-135



43

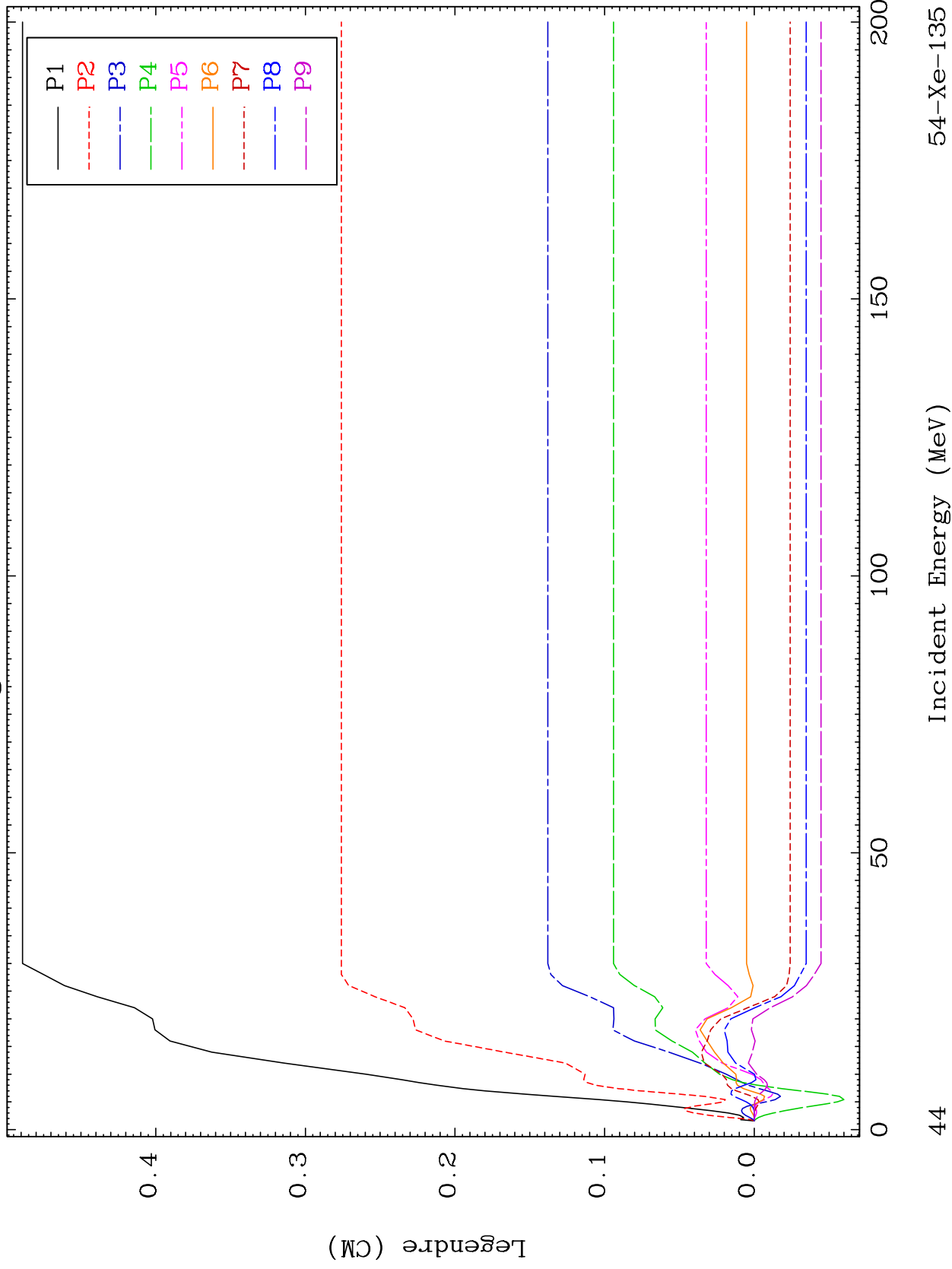
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

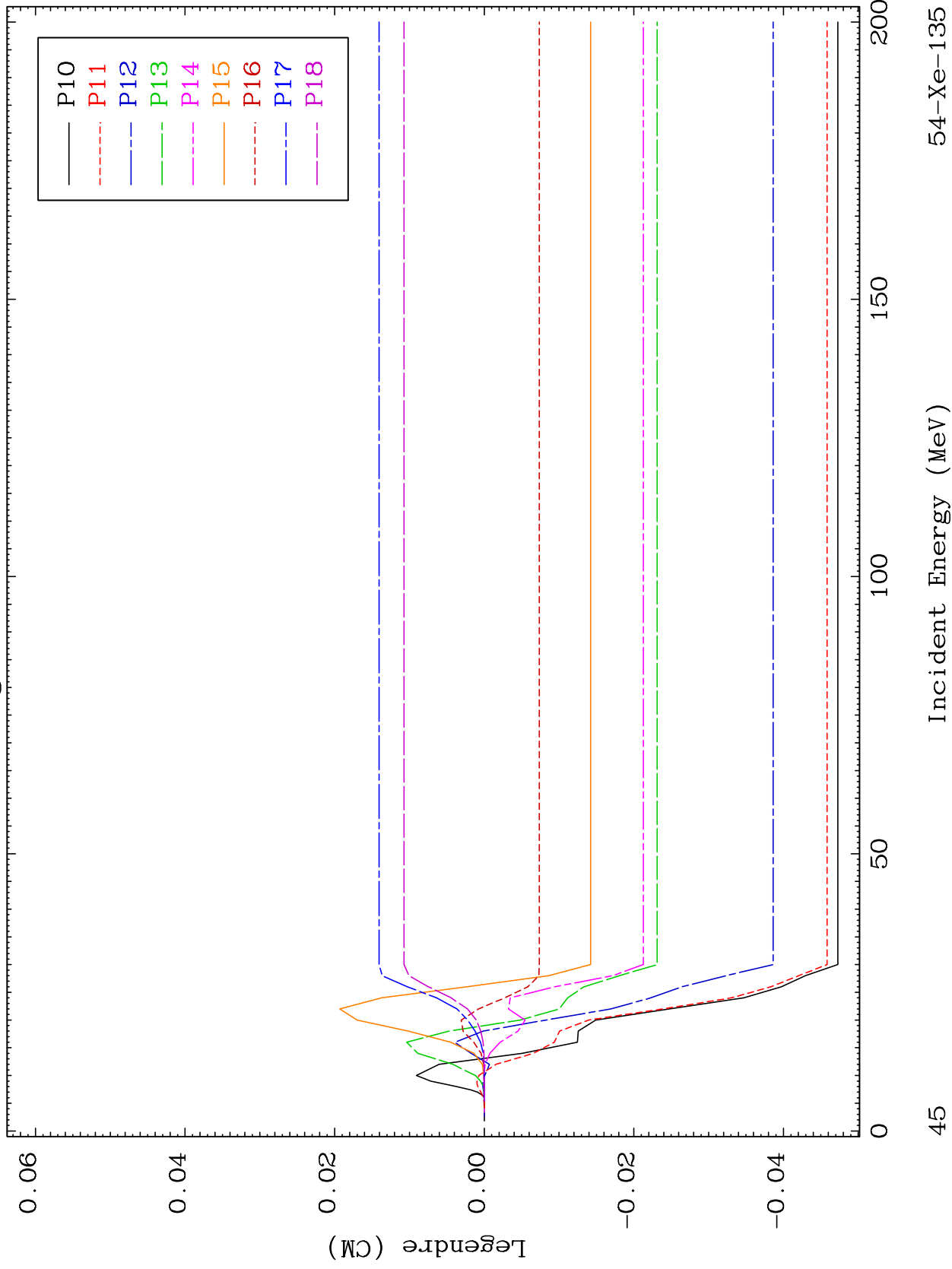
Incident Energy (MeV)

44

MAT 5458

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

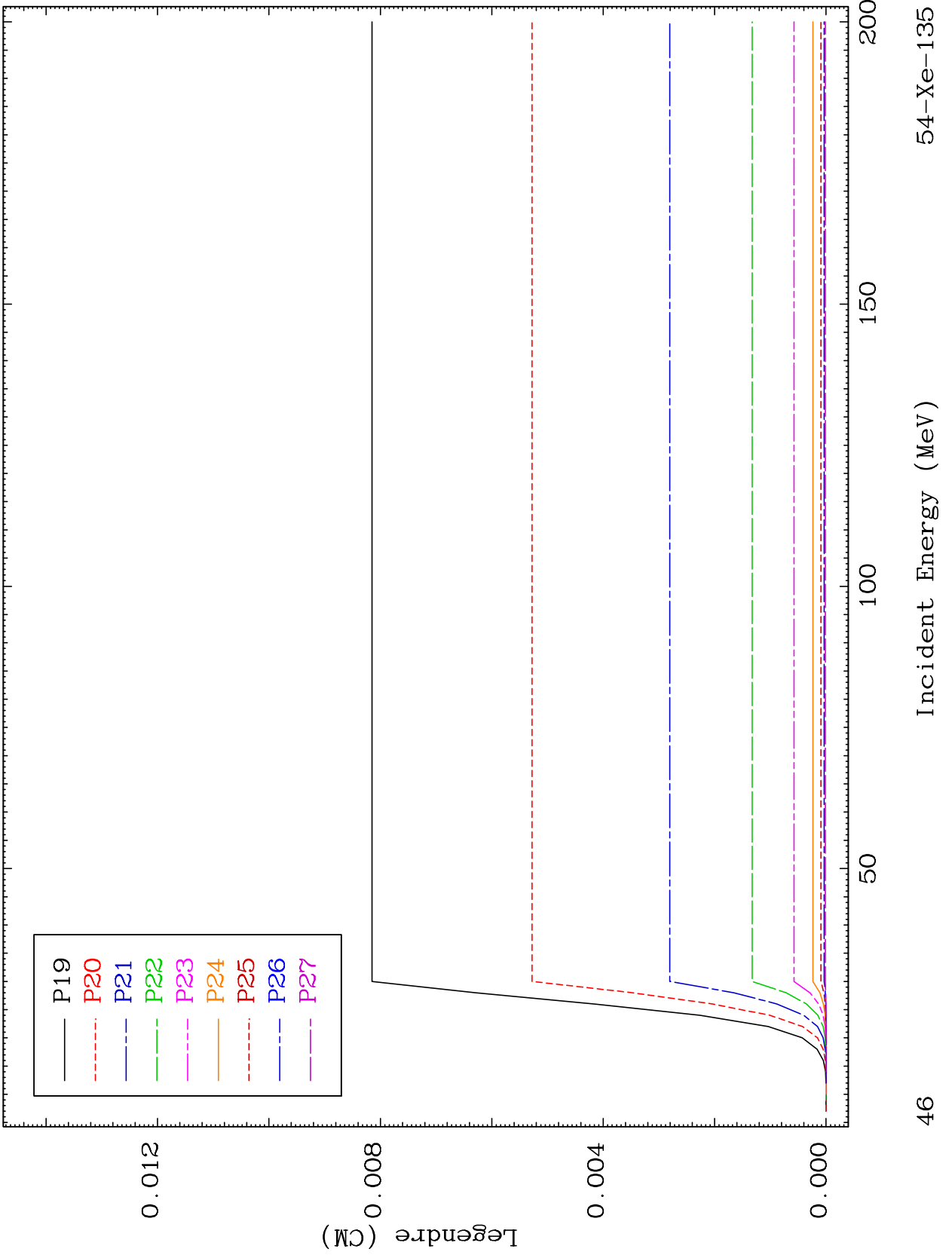
54-Xe-135



MAT 5458

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

54-Xe-135



46

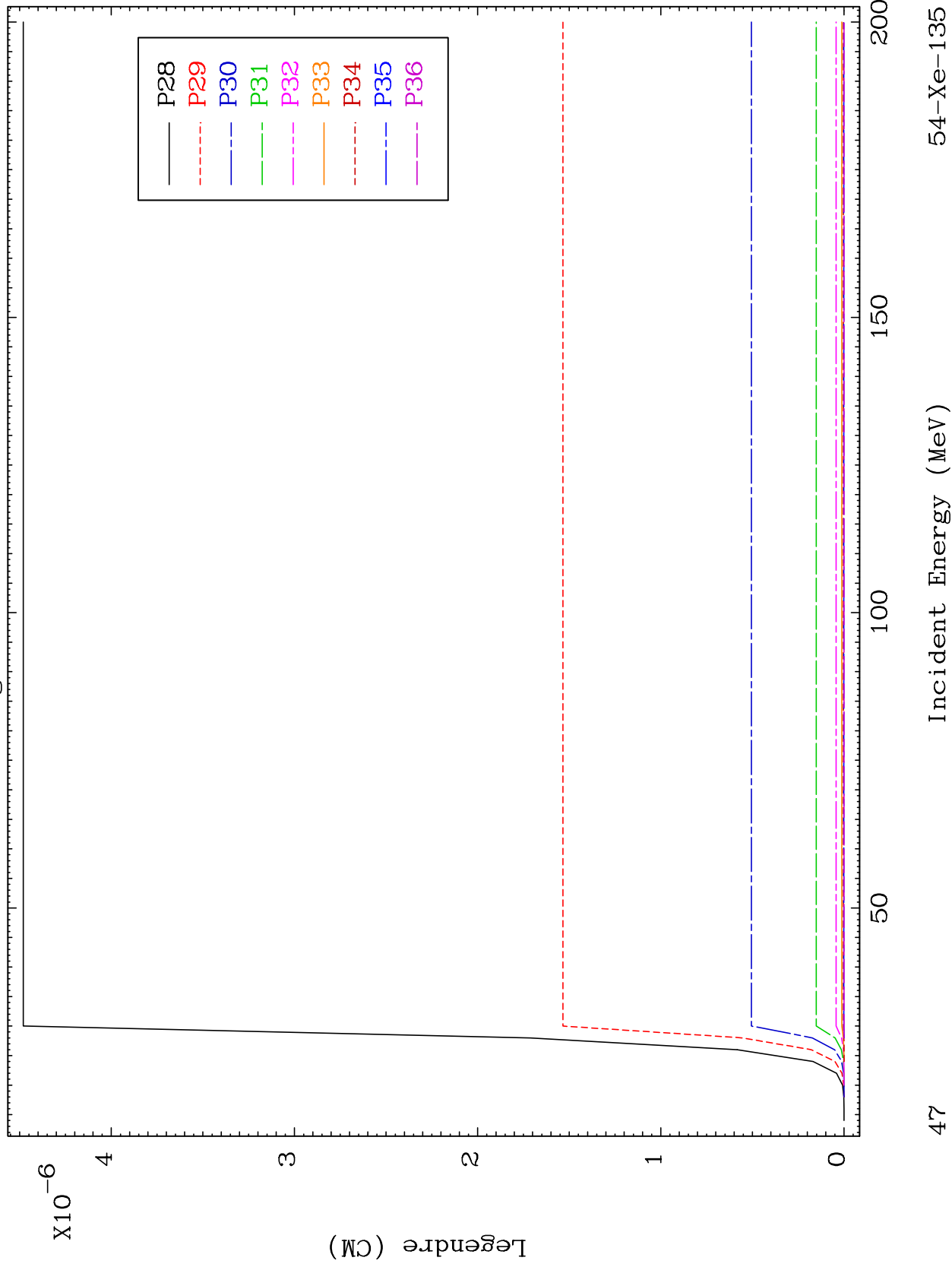
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

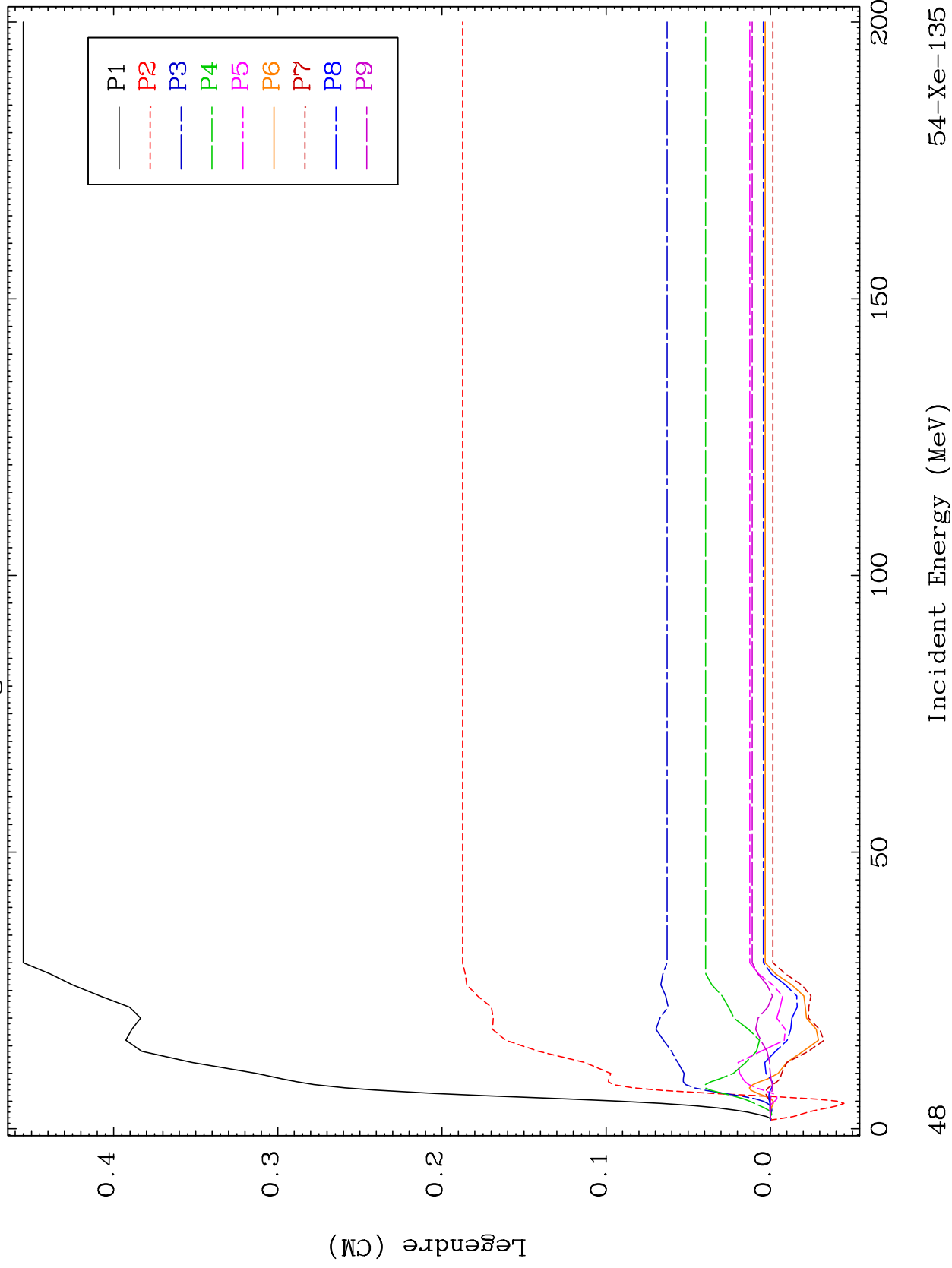
54-Xe-135



MAT 5458

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

54-Xe-135



54-Xe-135

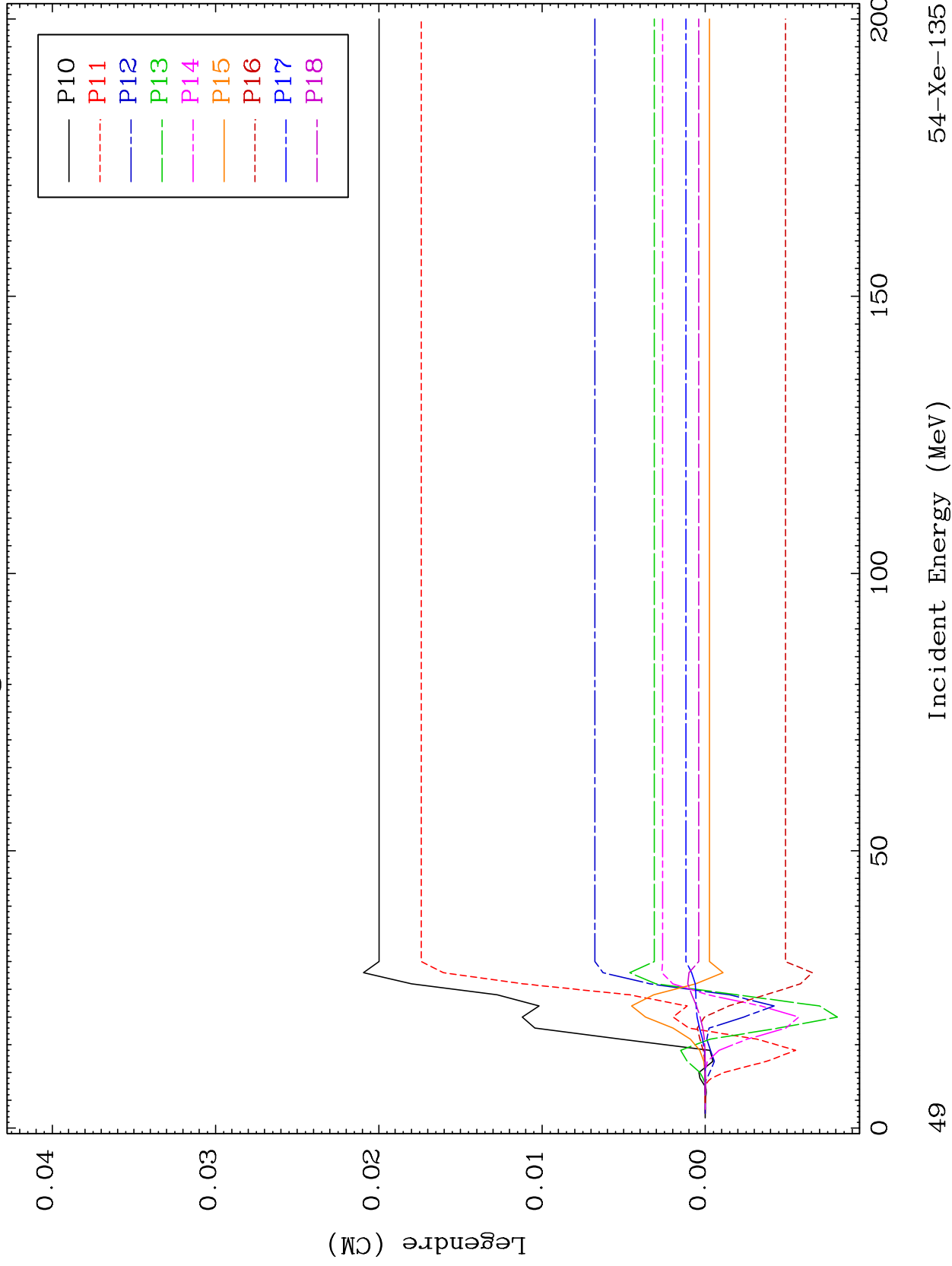
Incident Energy (MeV)

48

MAT 5458

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

54-Xe-135



54-Xe-135

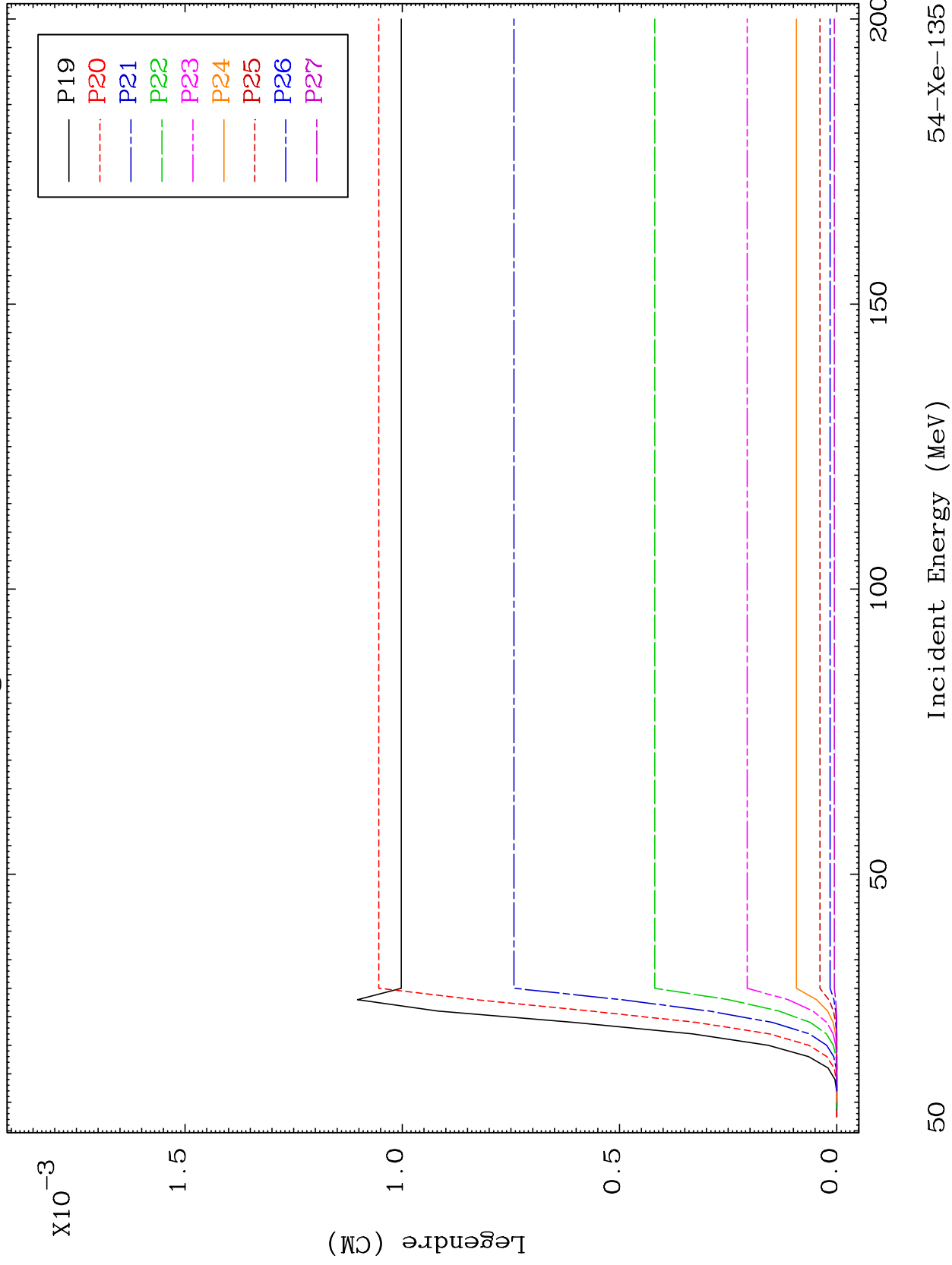
Incident Energy (MeV)

49

MAT 5458

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

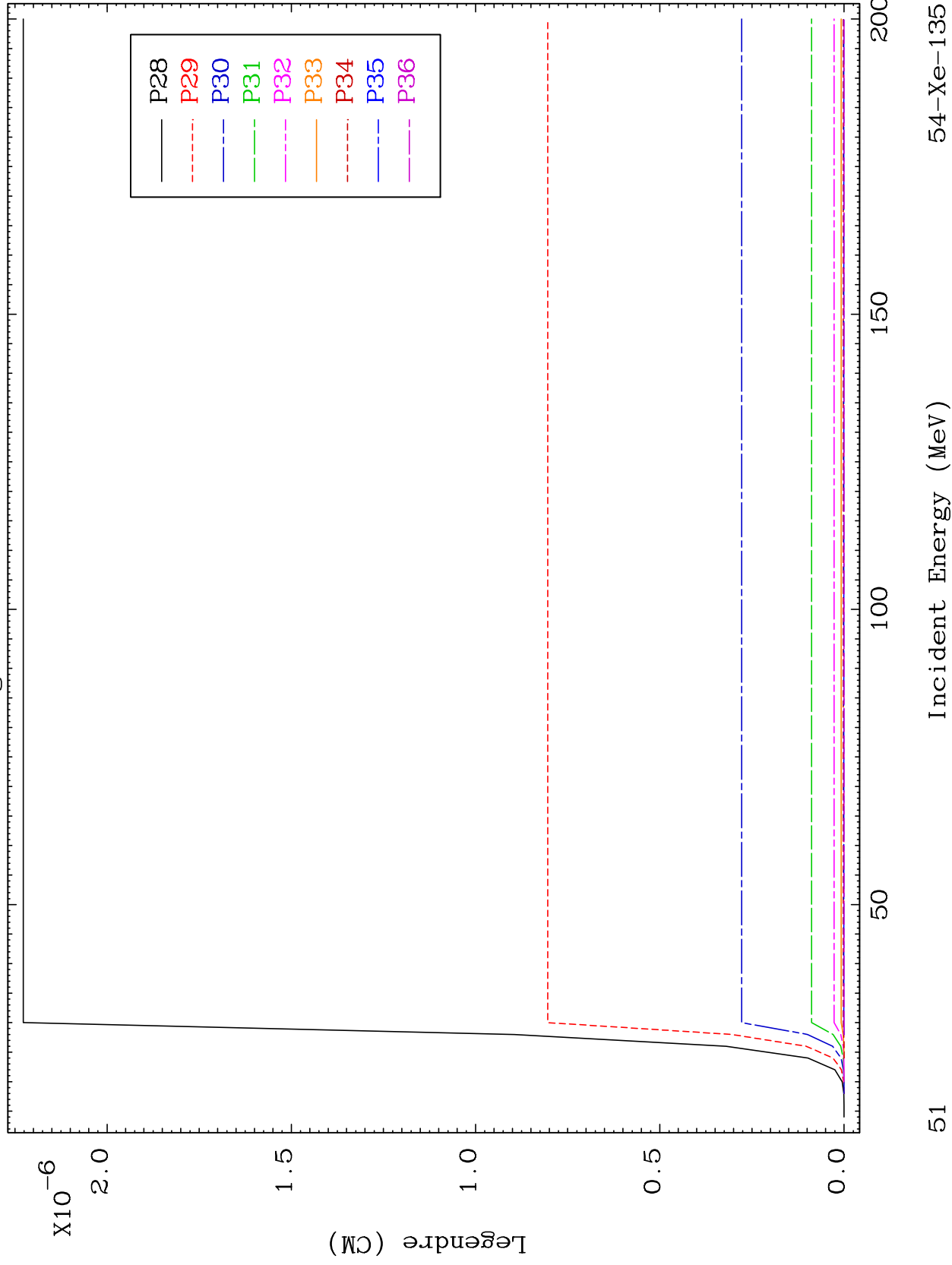
54-Xe-135



MAT 5458

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

54-Xe-135

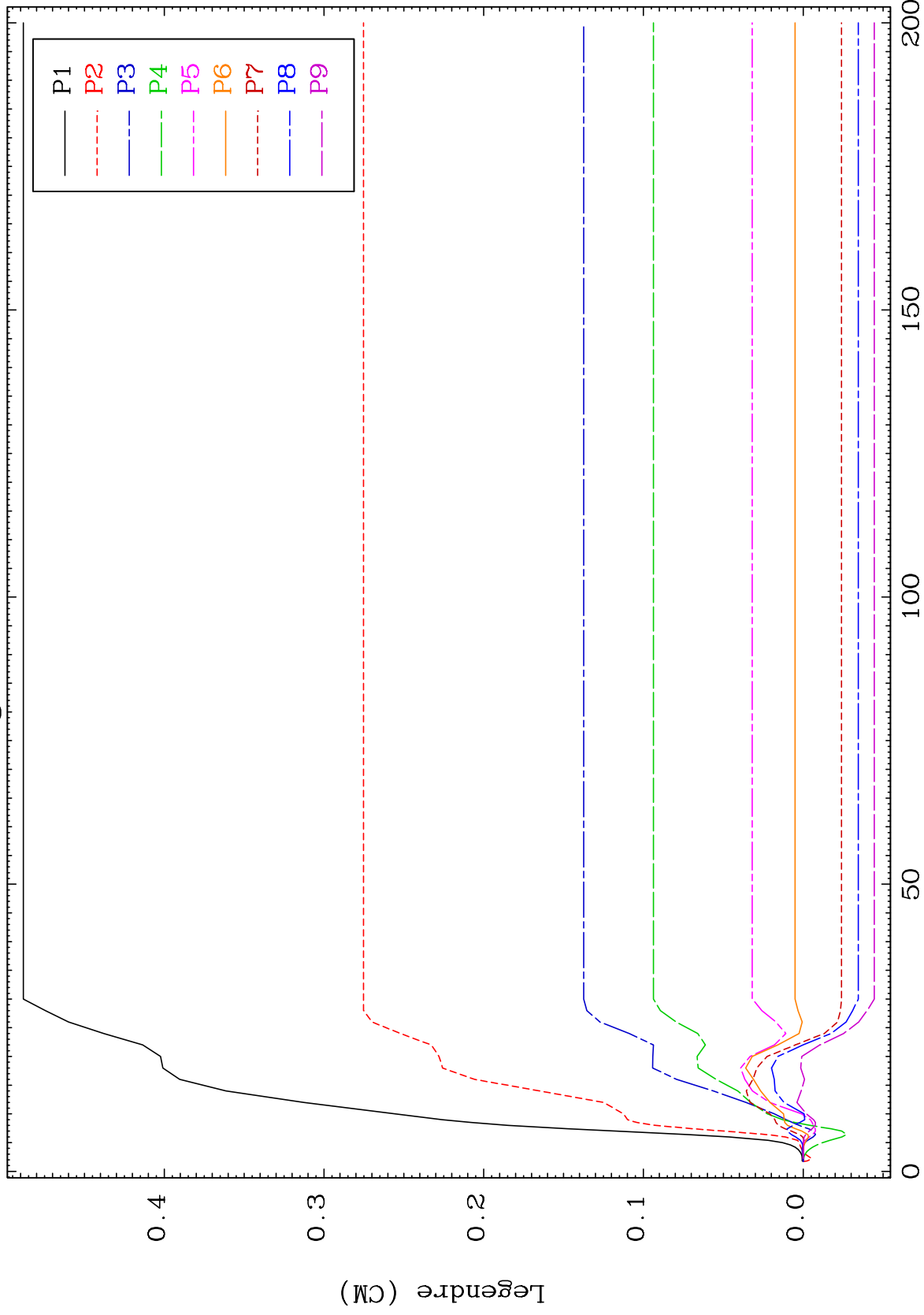


51

MAT 5458

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

54-Xe-135



54-Xe-135

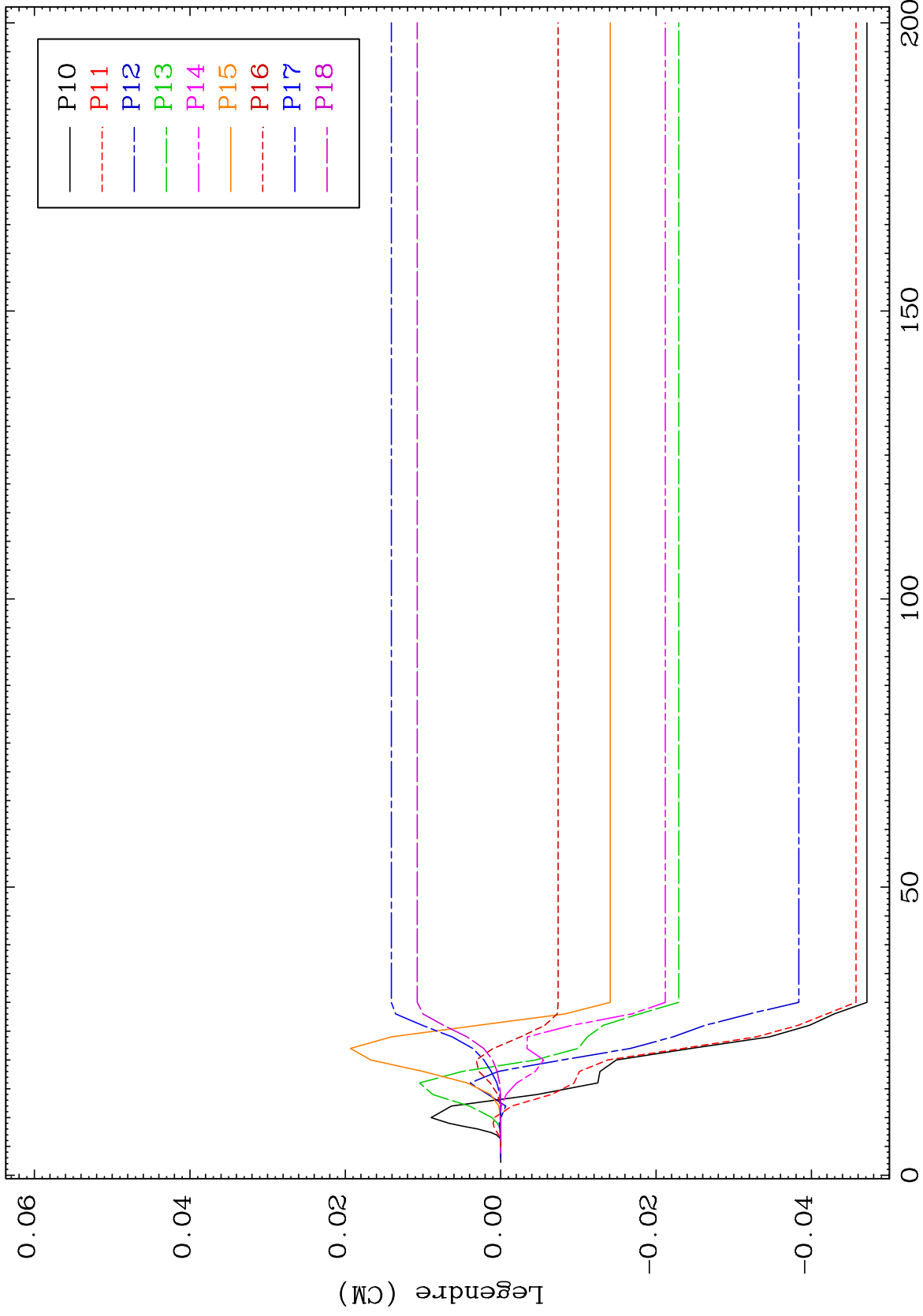
Incident Energy (MeV)

52

MAT 5458

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

54-Xe-135



53

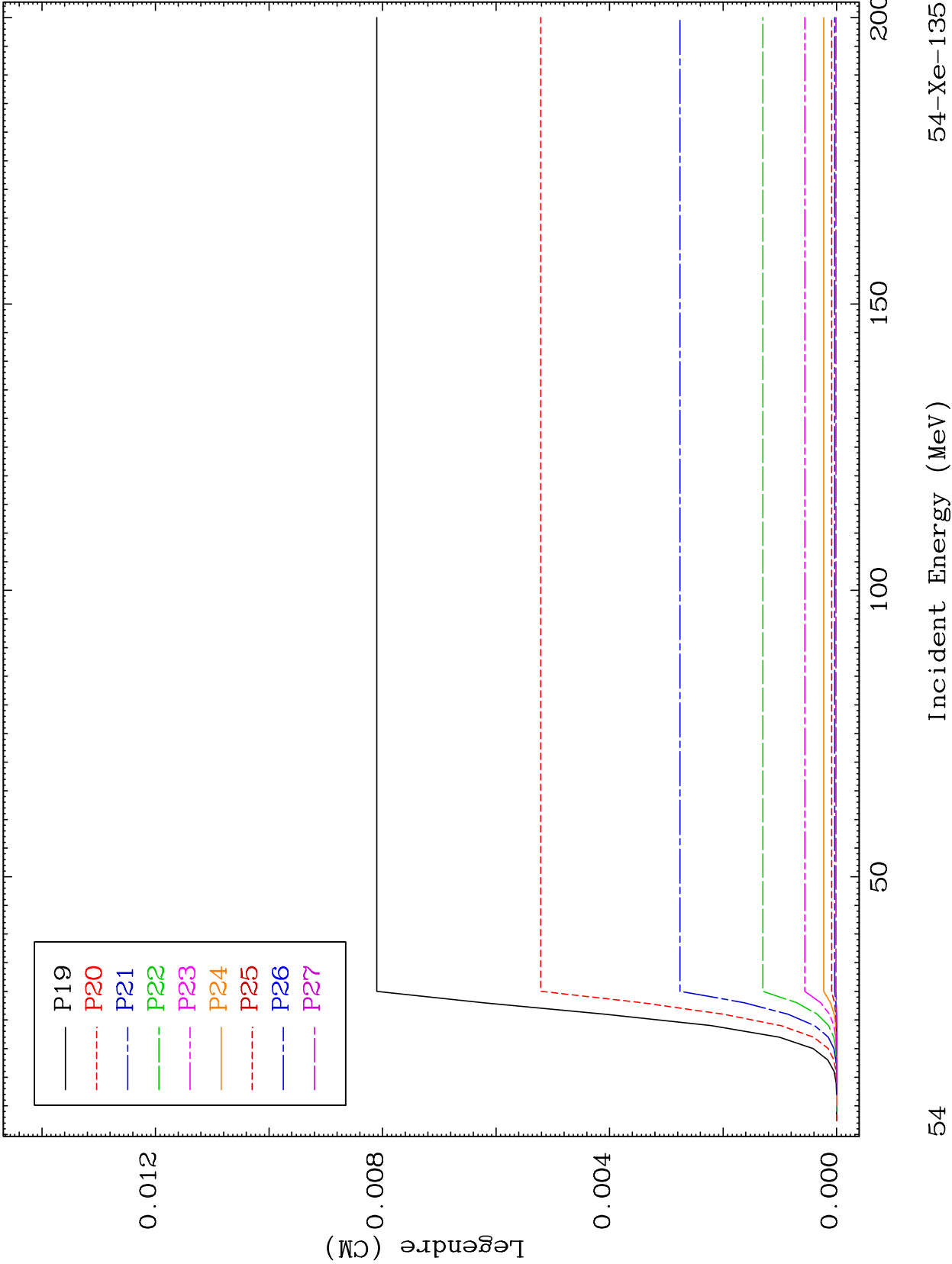
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54

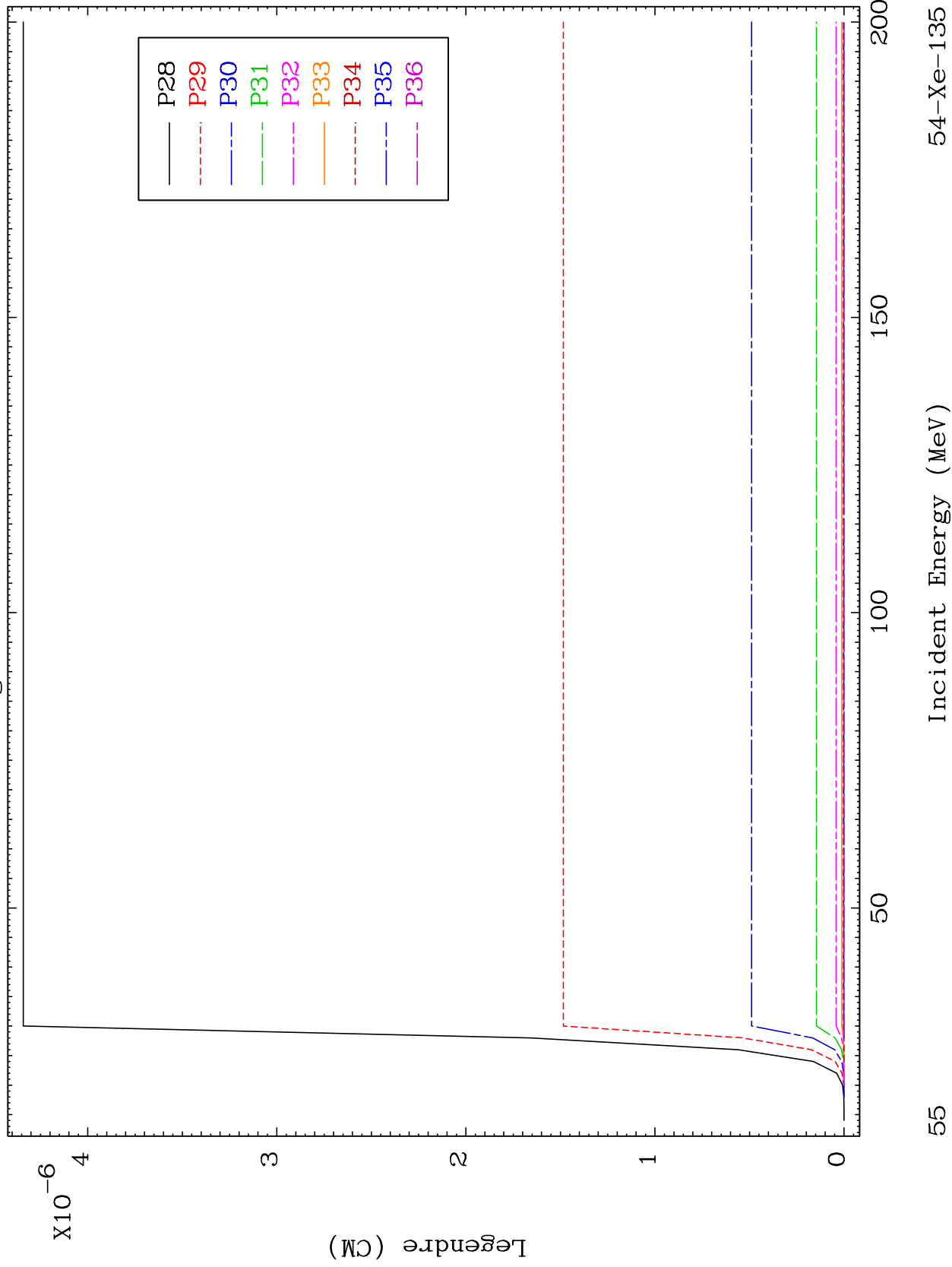
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



55

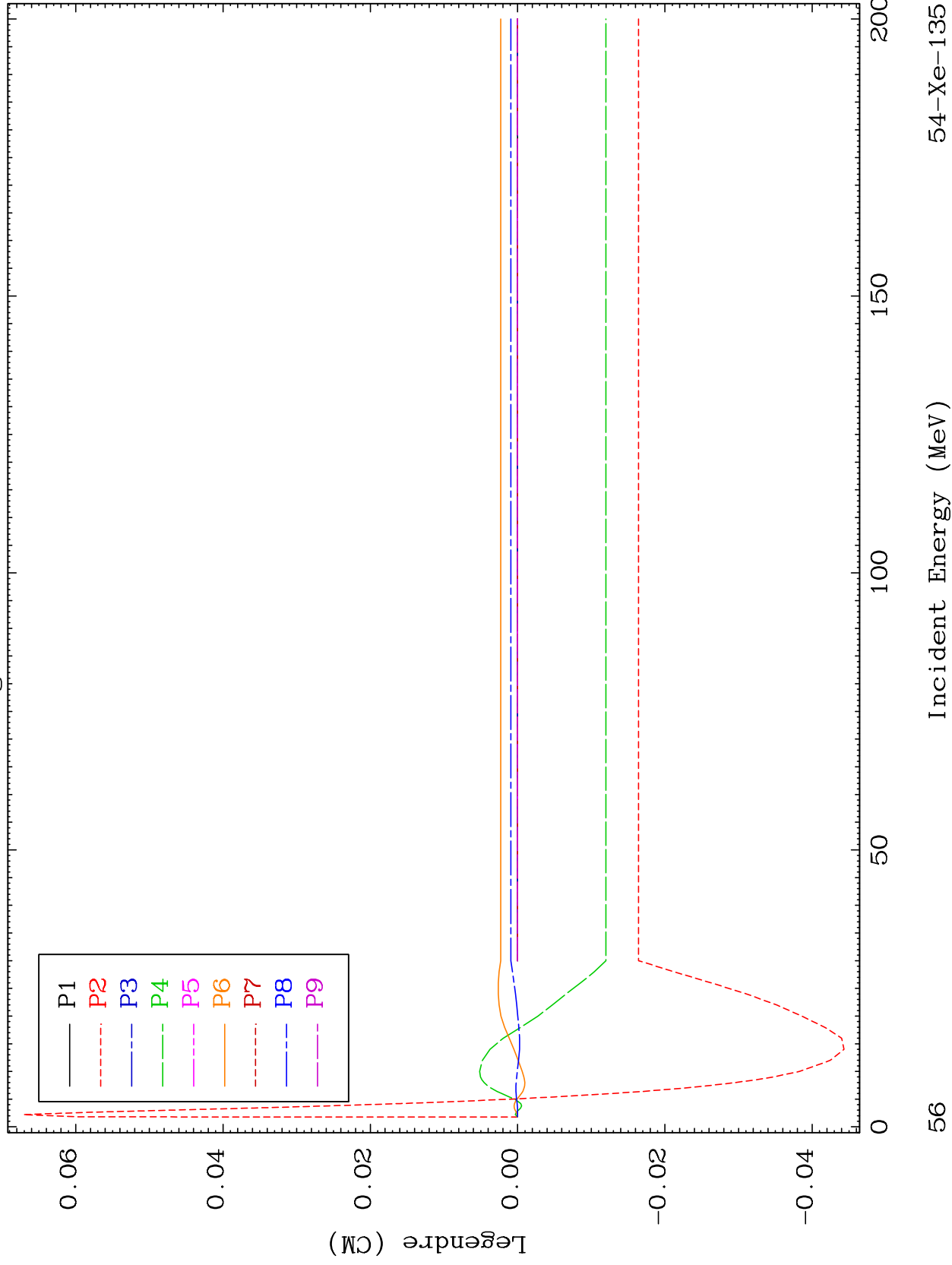
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

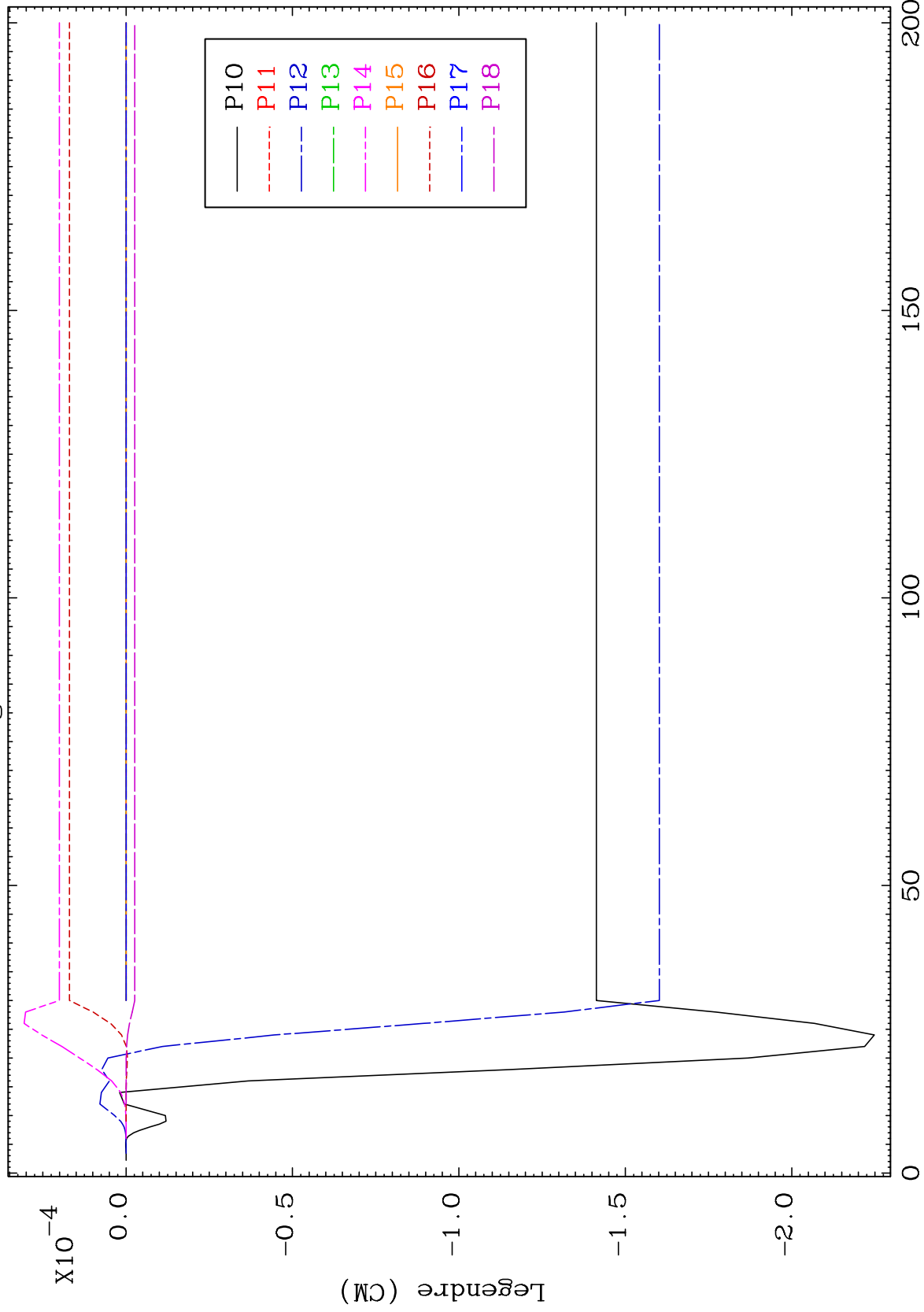
Incident Energy (MeV)

56

MAT 5458

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

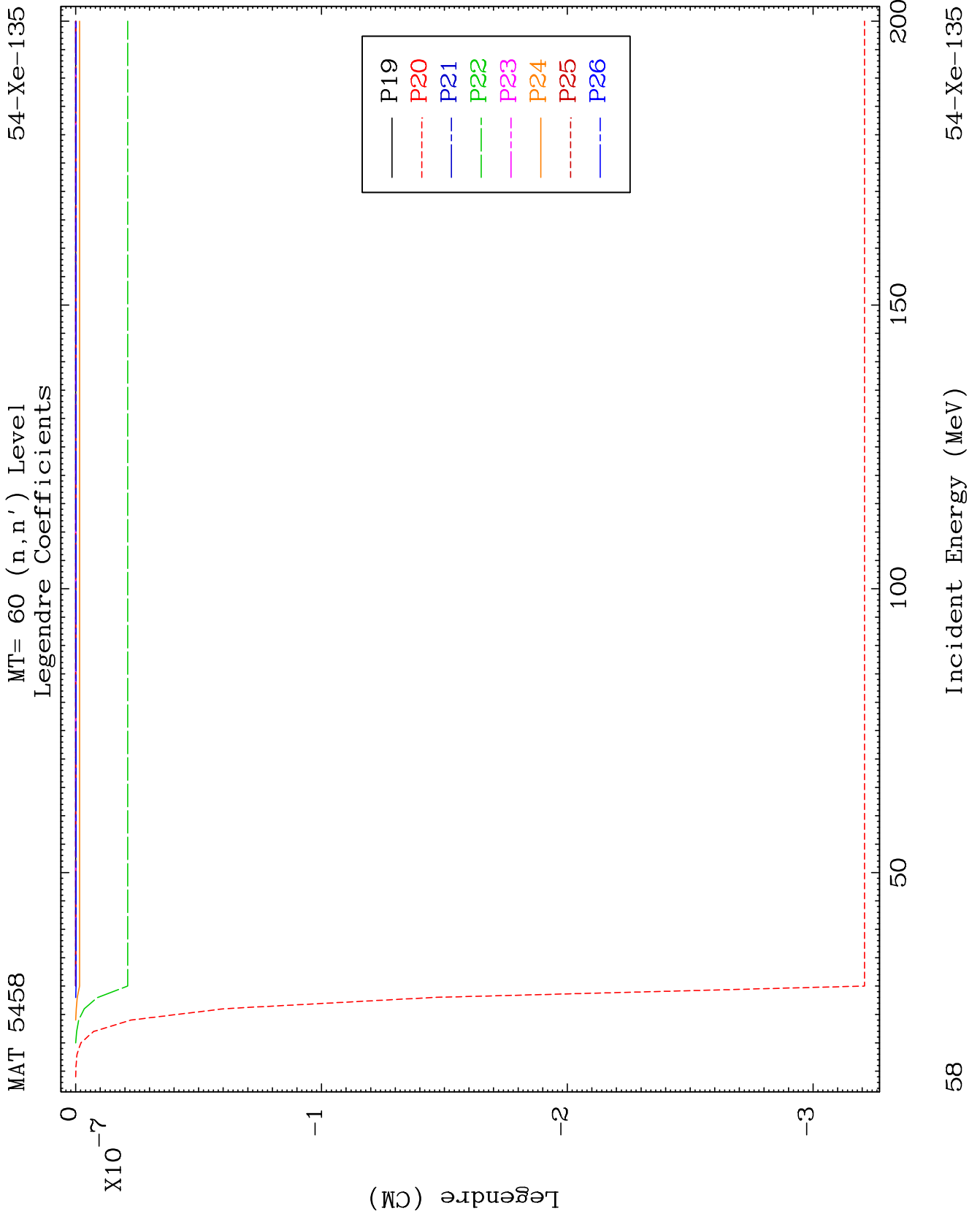
54-Xe-135



57

Incident Energy (MeV)

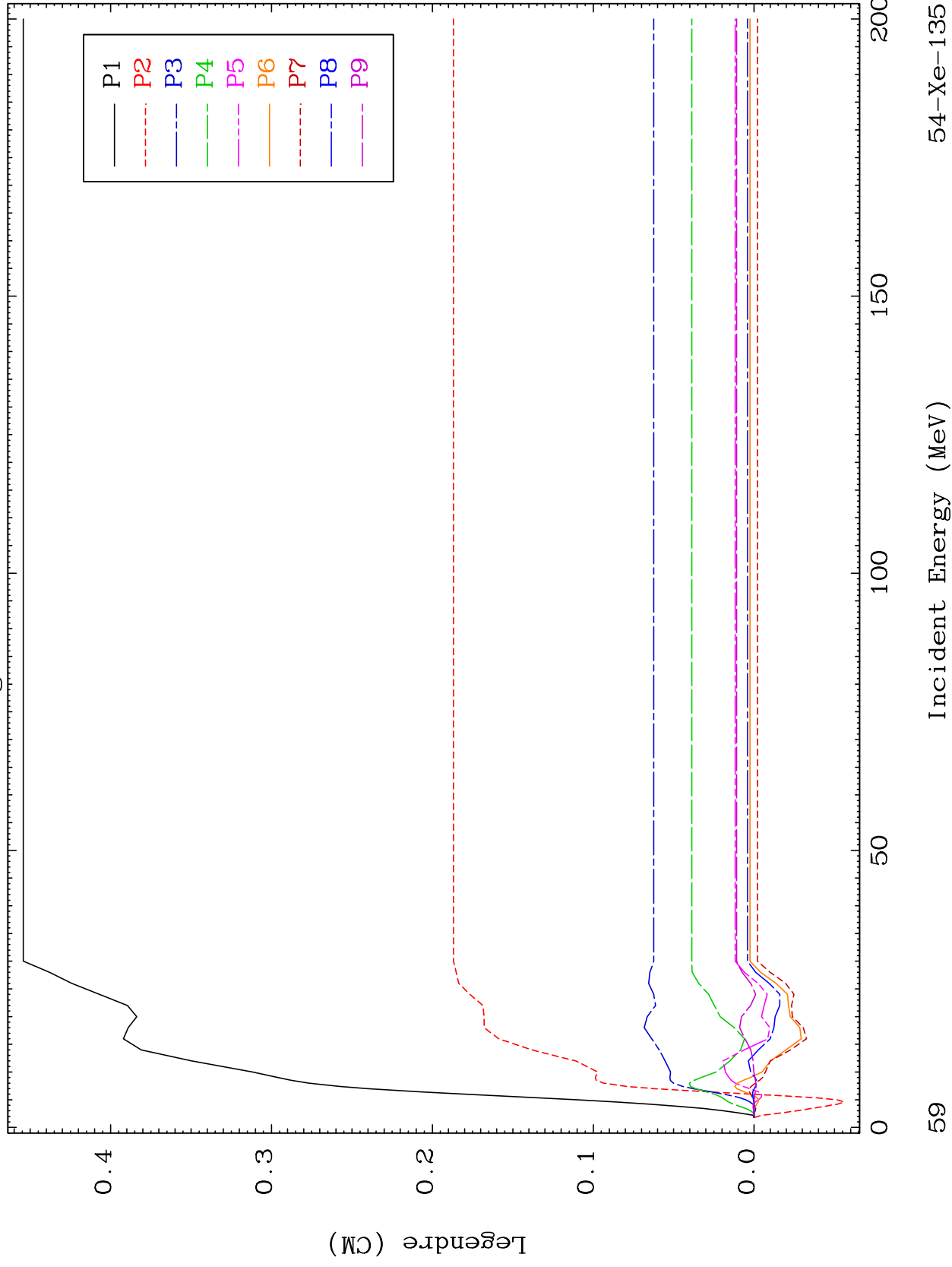
54-Xe-135



MAT 5458

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

54-Xe-135



54-Xe-135

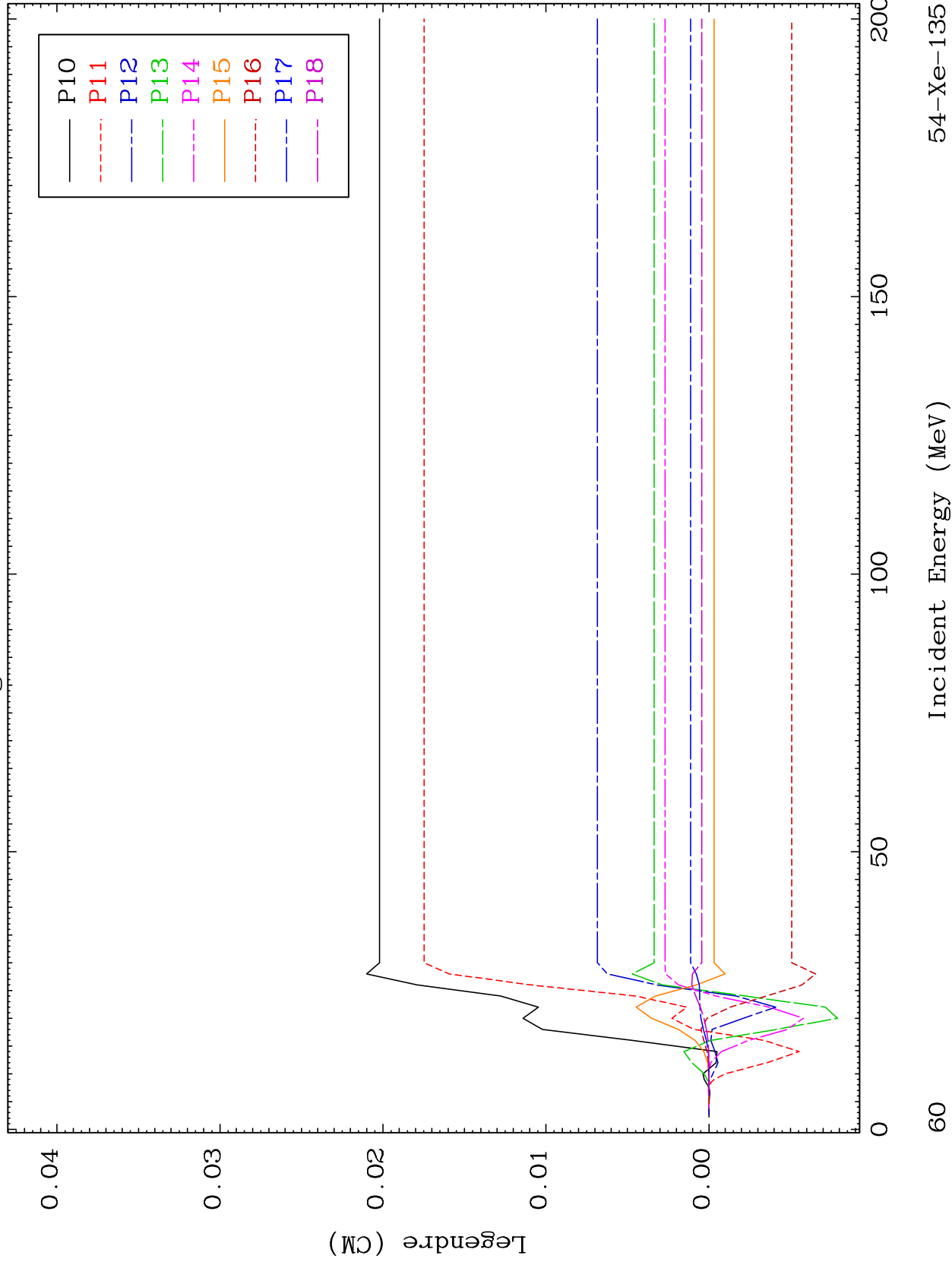
Incident Energy (MeV)

59

MAT 5458

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

54-Xe-135

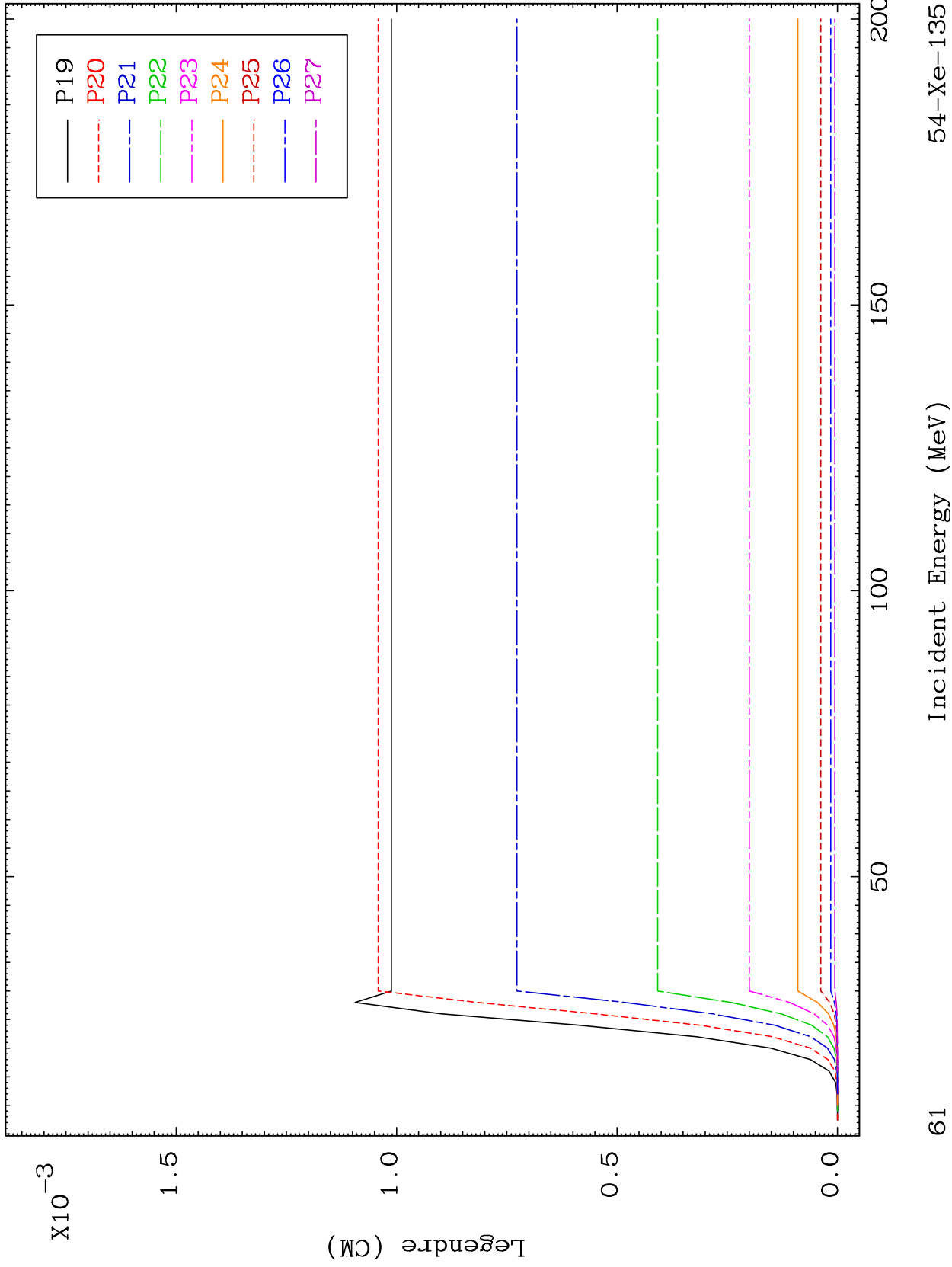


54-Xe-135

MAT 5458

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

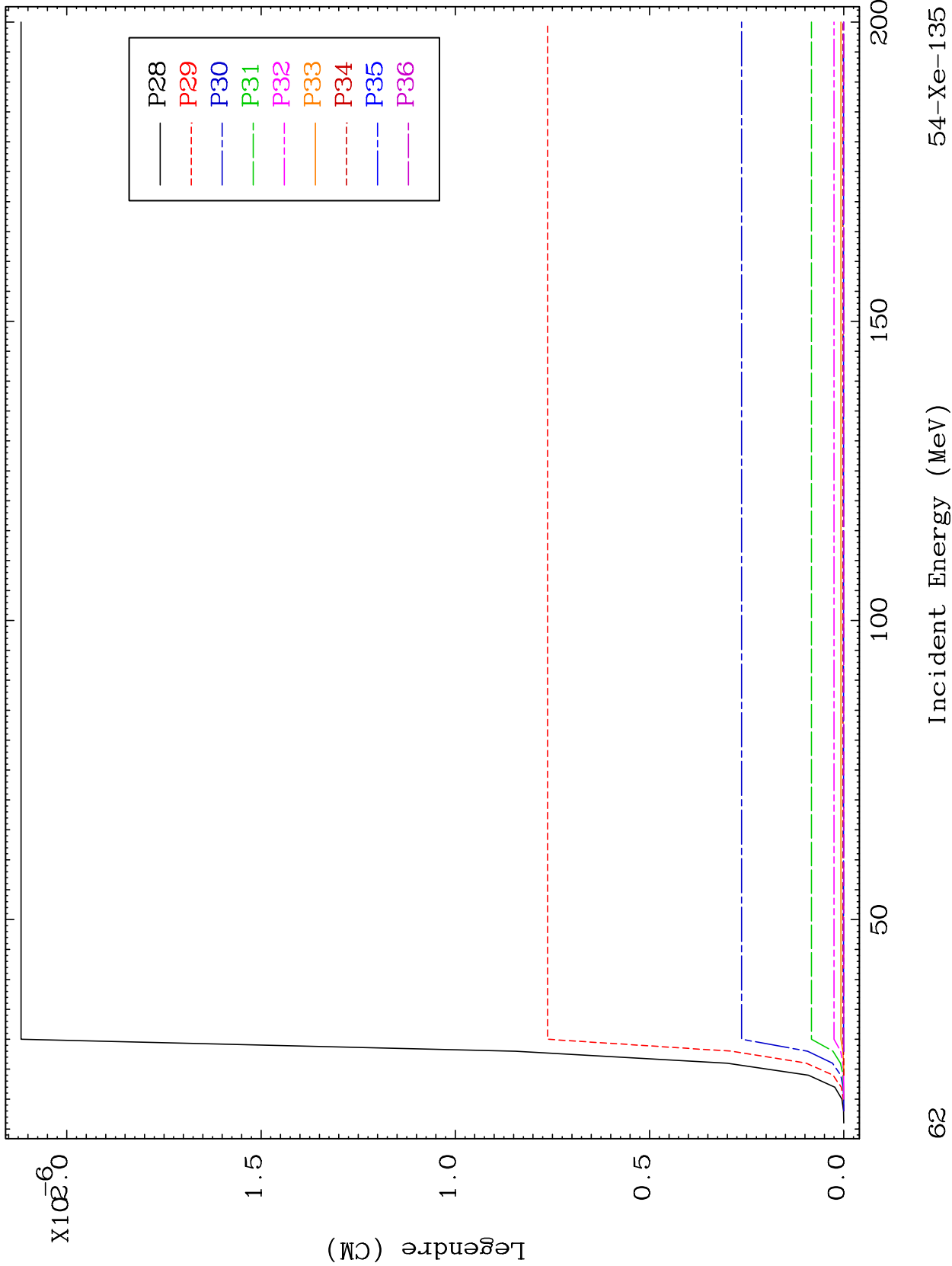
54-Xe-135



MAT 5458

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

54-Xe-135



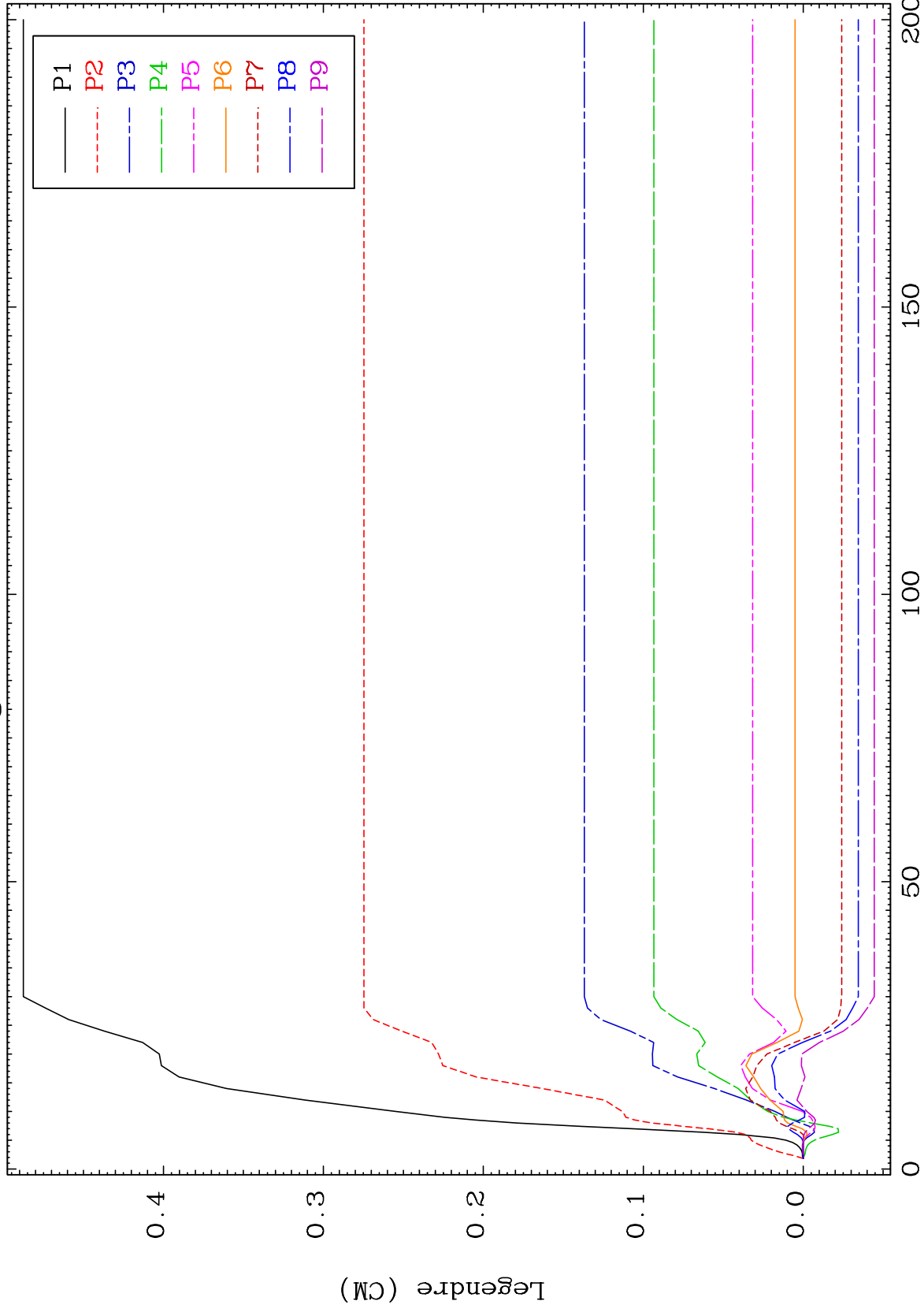
62

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

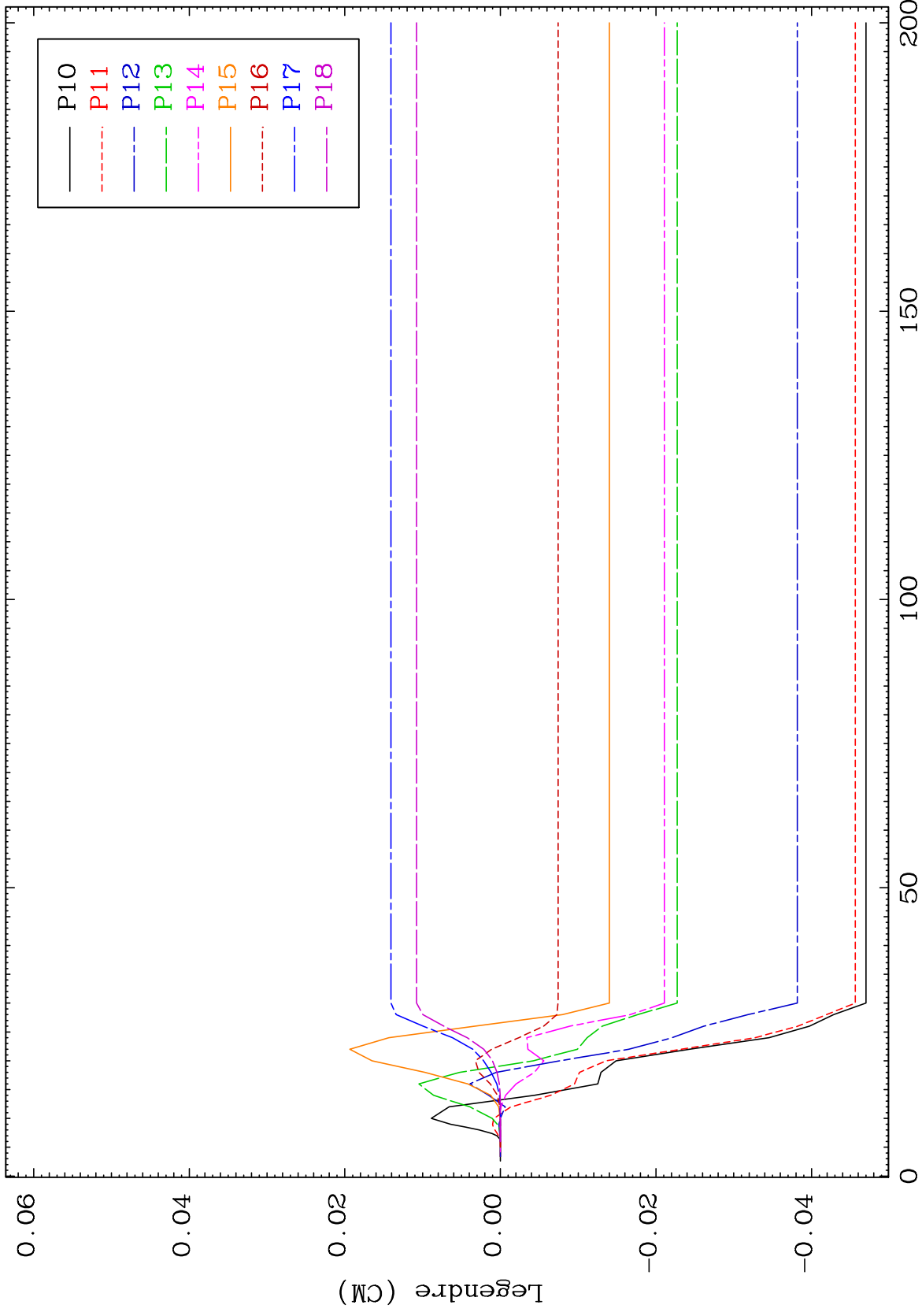
Incident Energy (MeV)

63

MAT 5458

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

54-Xe-135



64

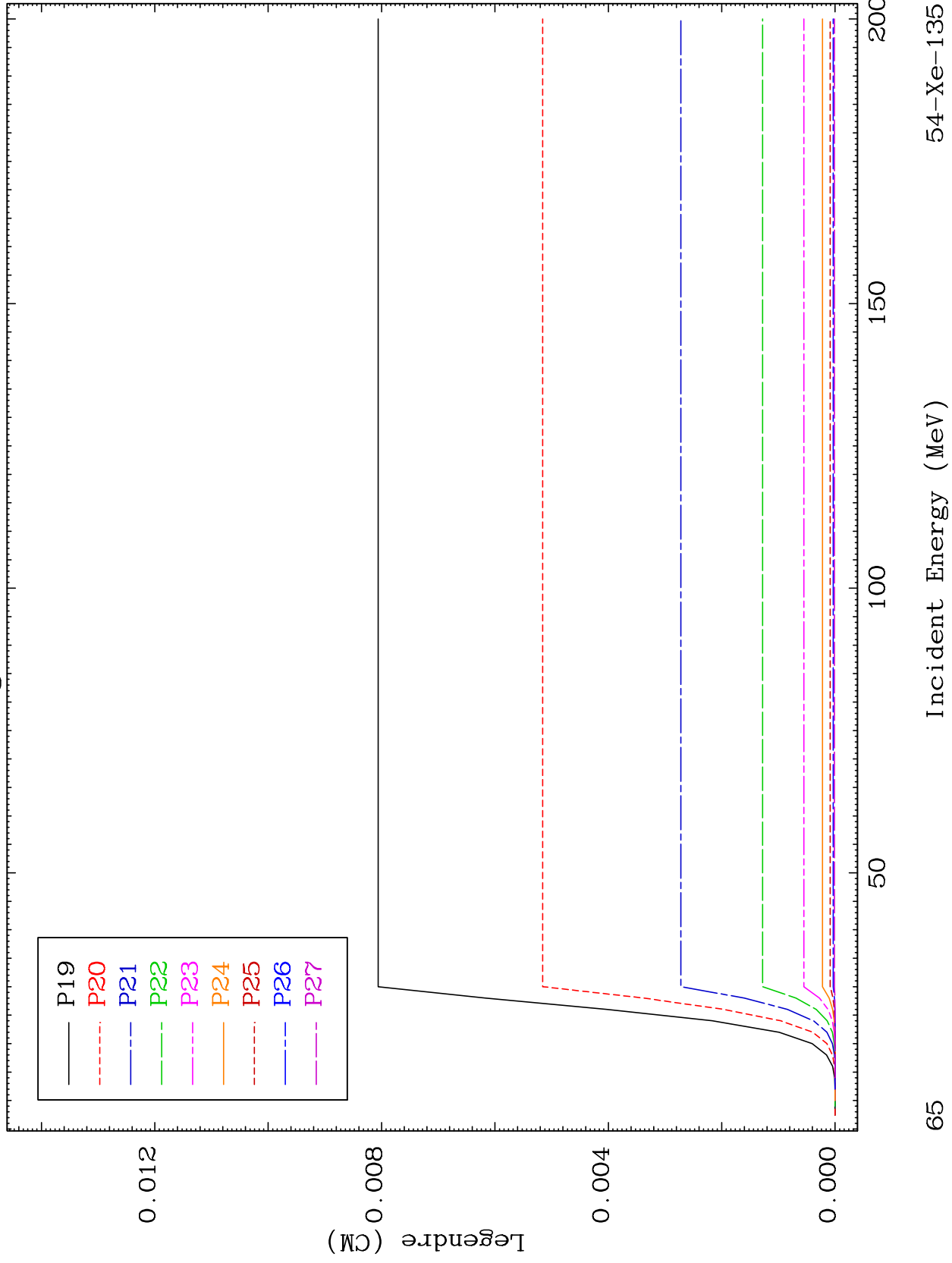
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



65

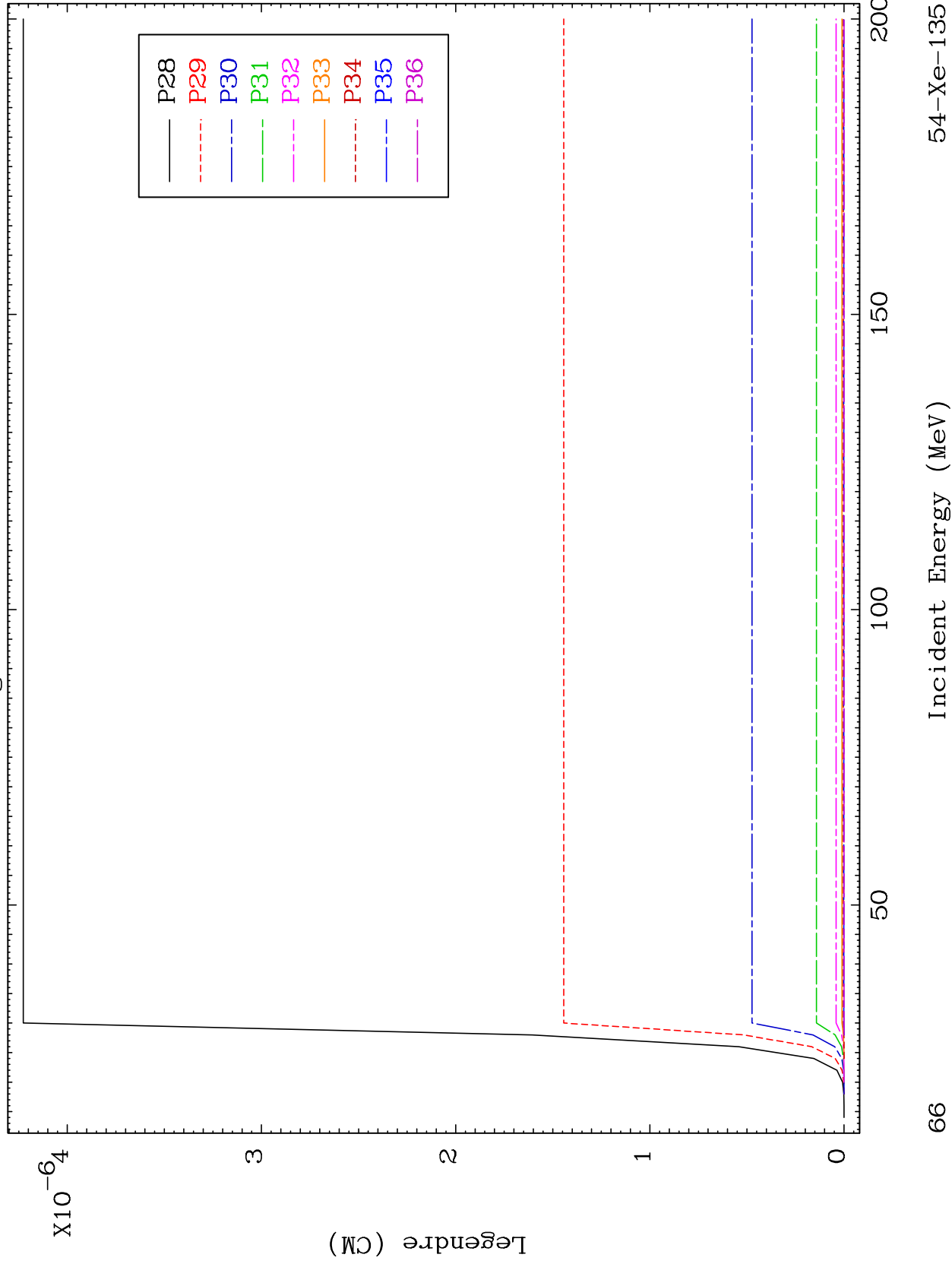
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

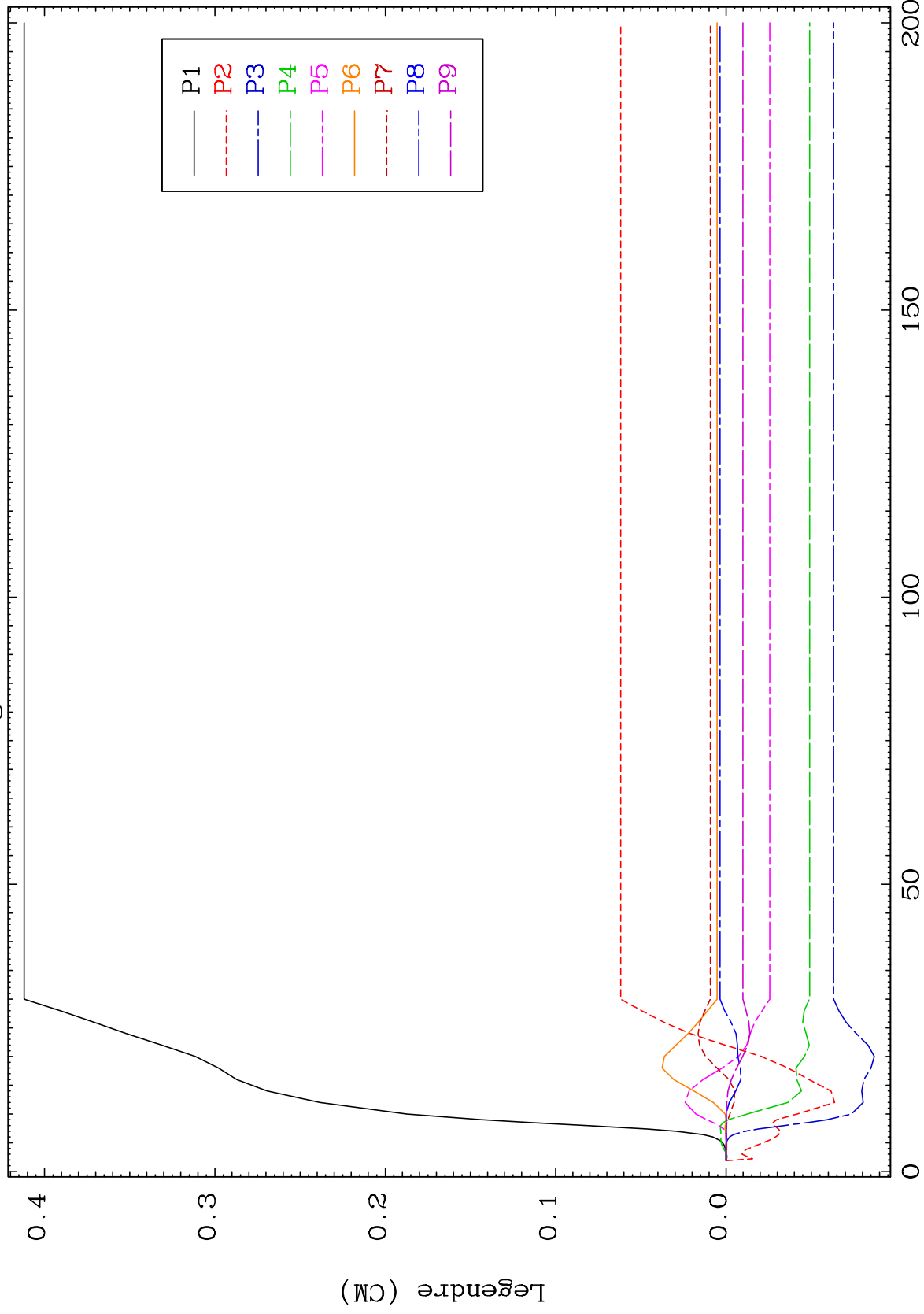
54-Xe-135



MAT 5458

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

54-Xe-135



54-Xe-135

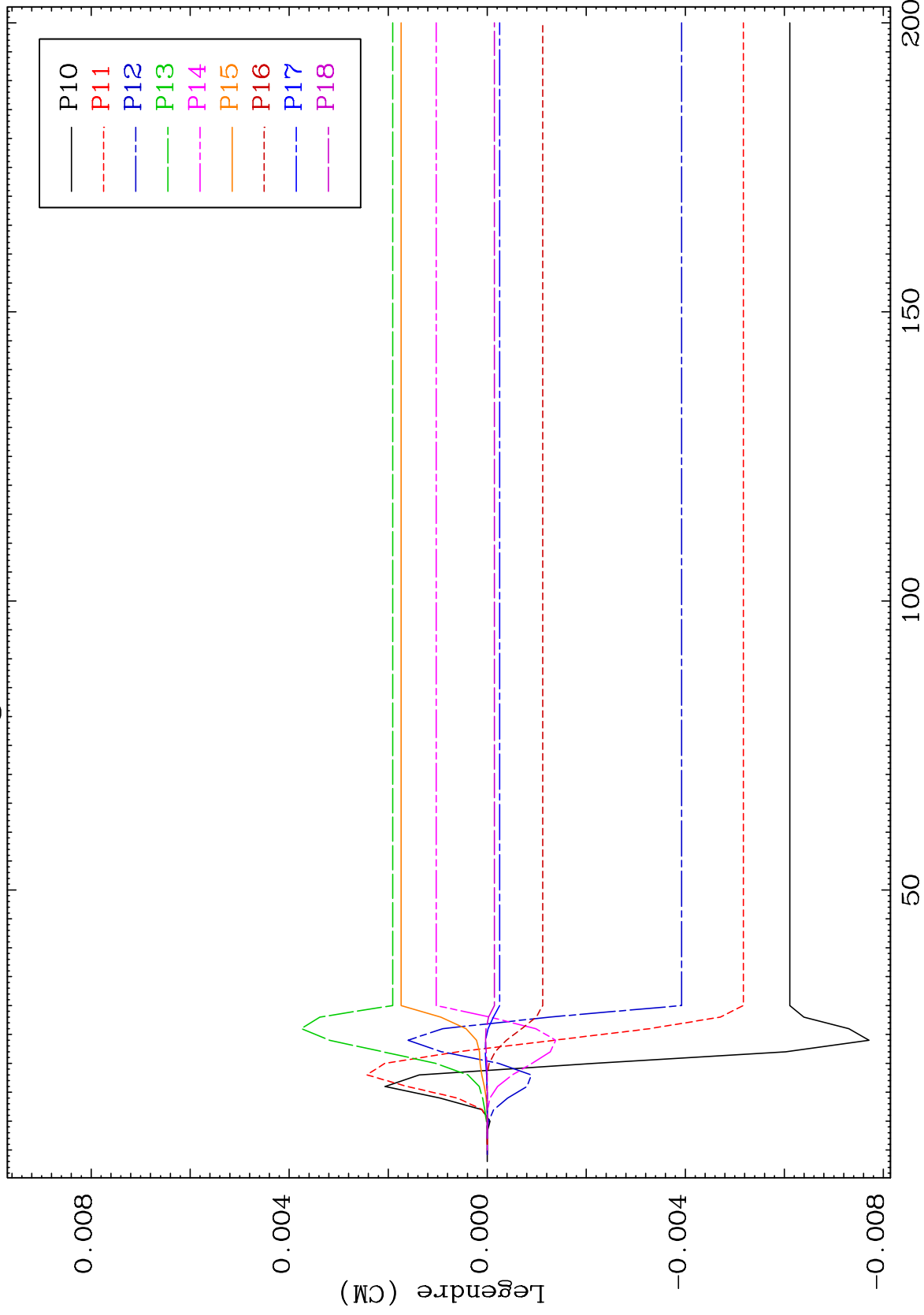
Incident Energy (MeV)

67

MAT 5458

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

54-Xe-135



68

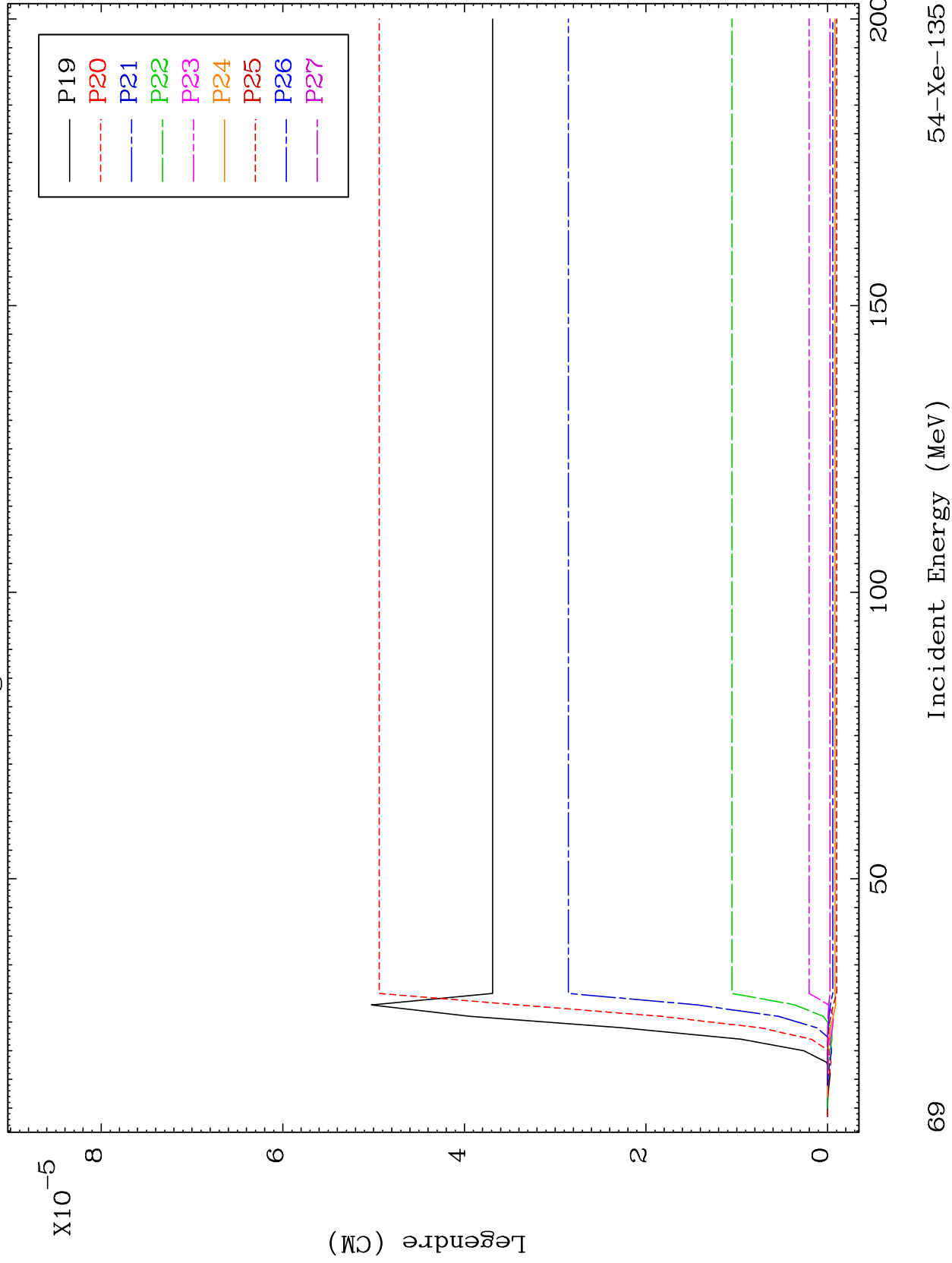
Incident Energy (MeV)

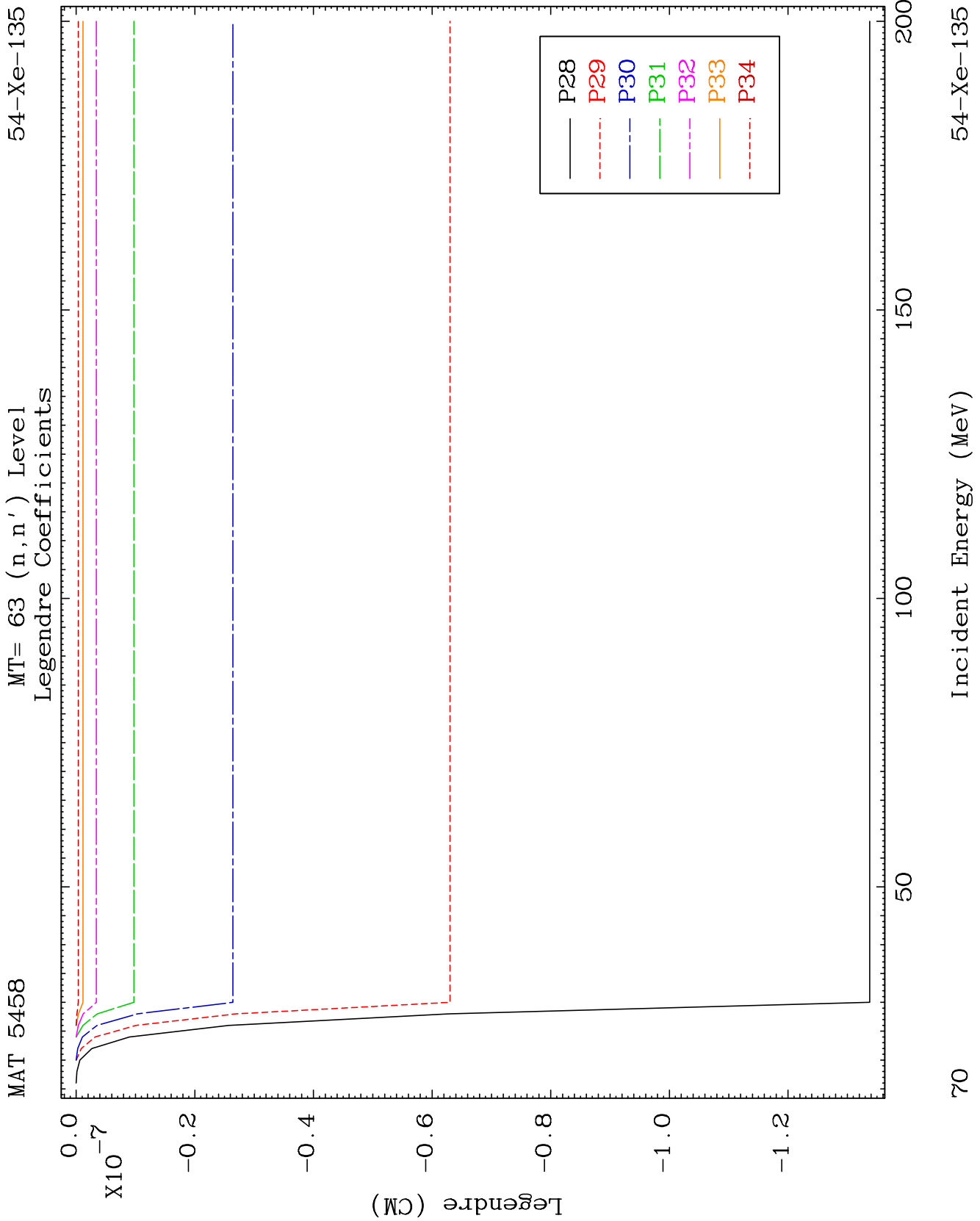
54-Xe-135

MAT 5458

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

54-Xe-135

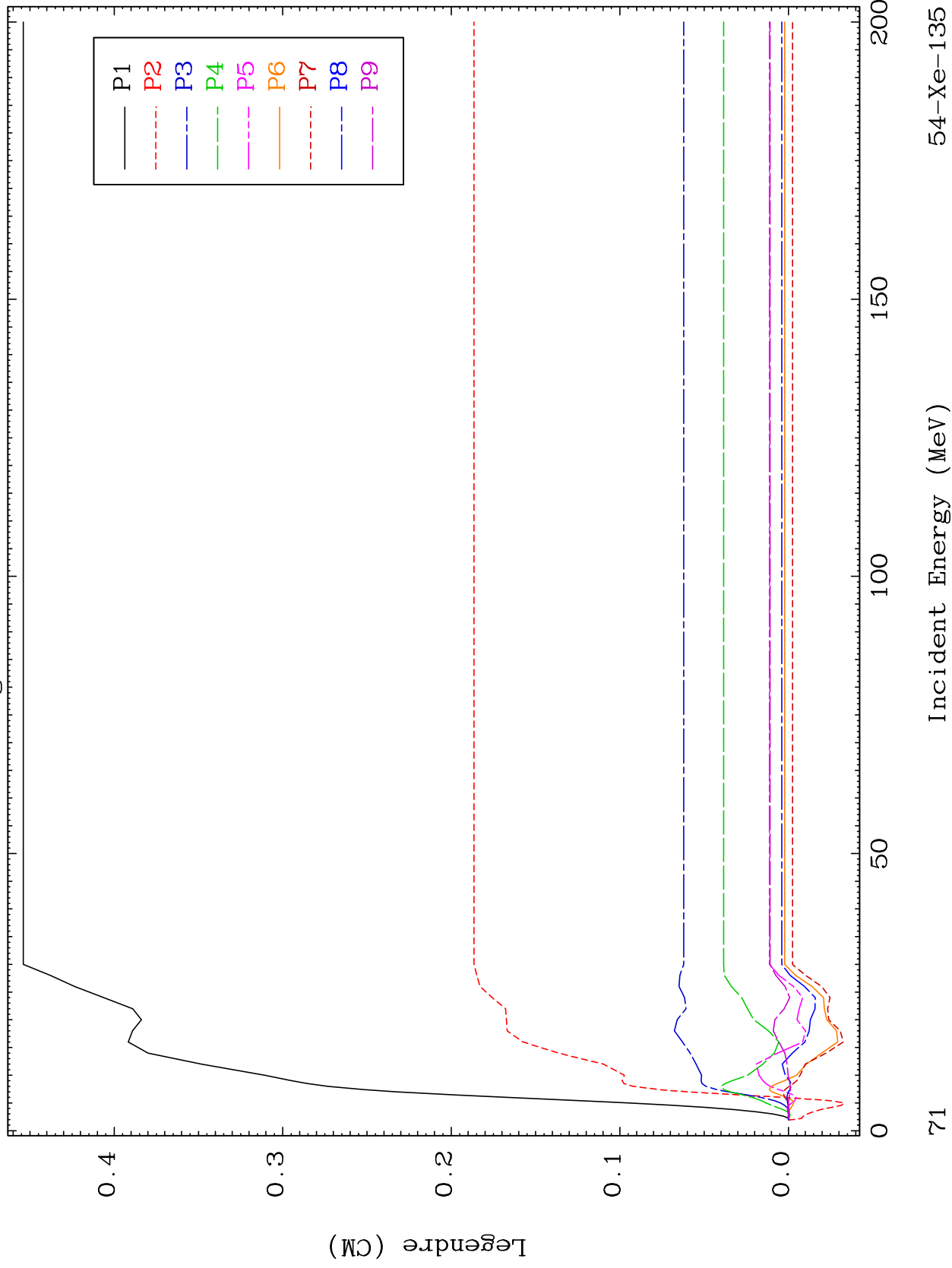




MAT 5458

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

54-Xe-135



54-Xe-135

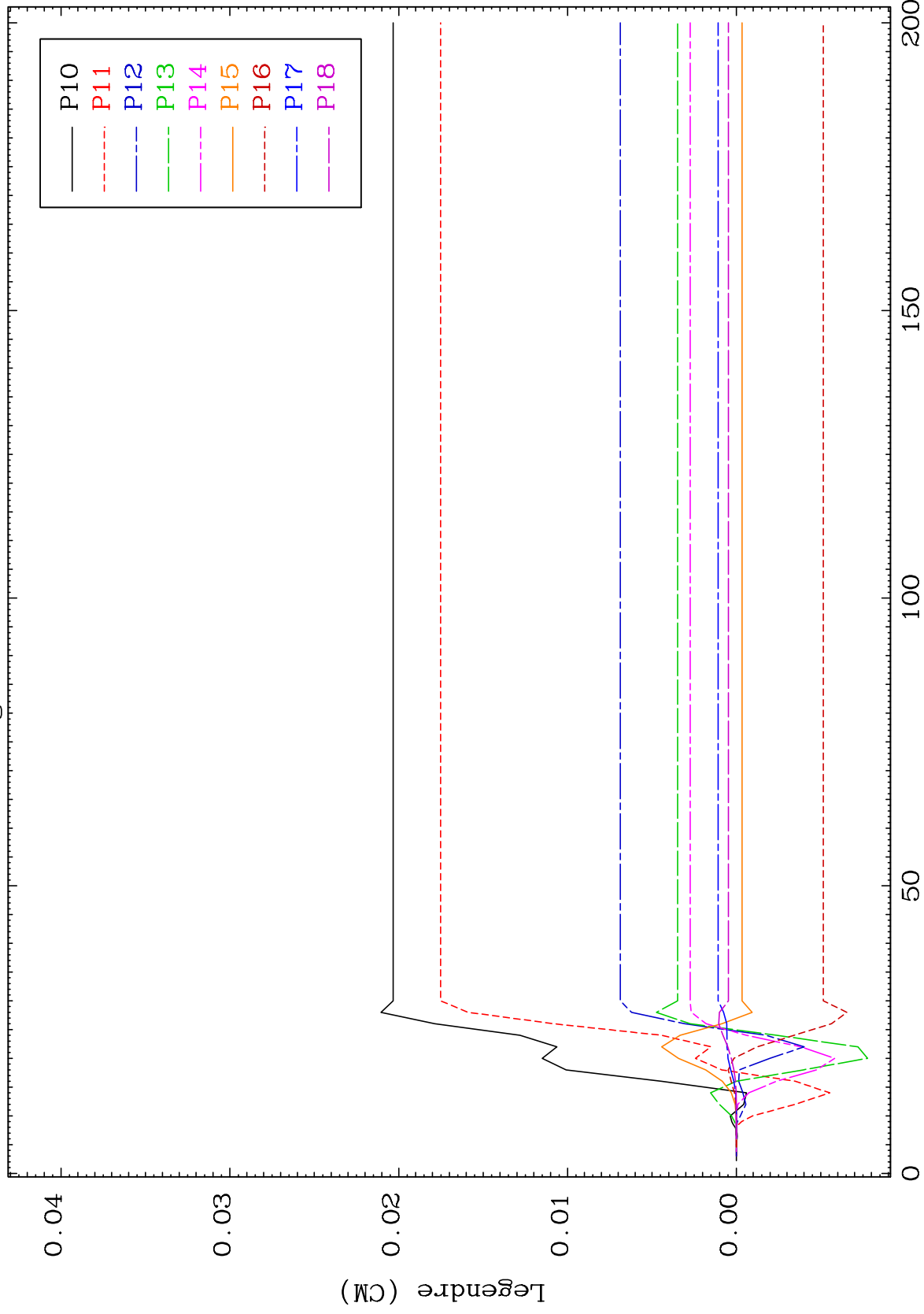
Incident Energy (MeV)

71

MAT 5458

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

54-Xe-135



72

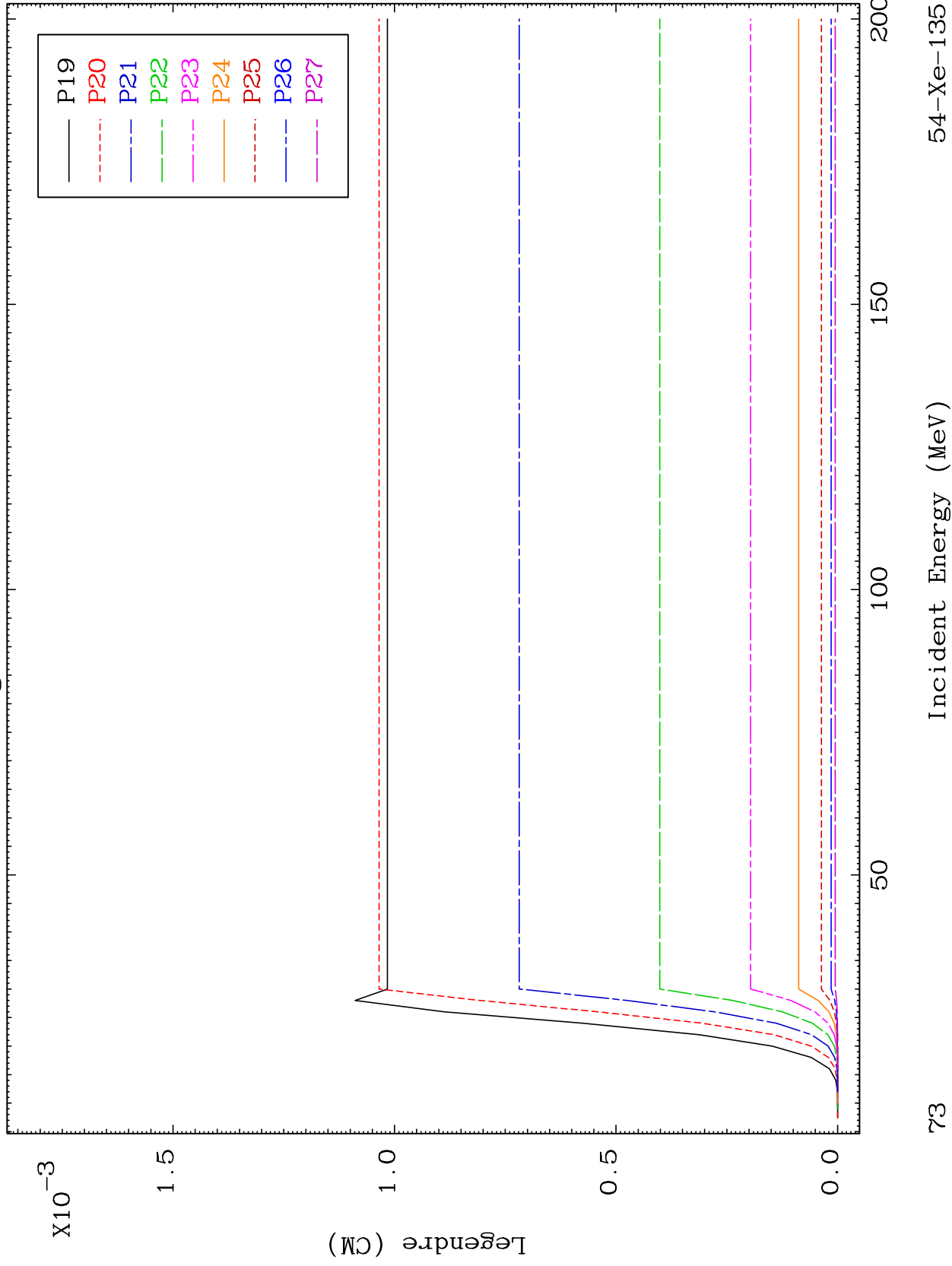
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

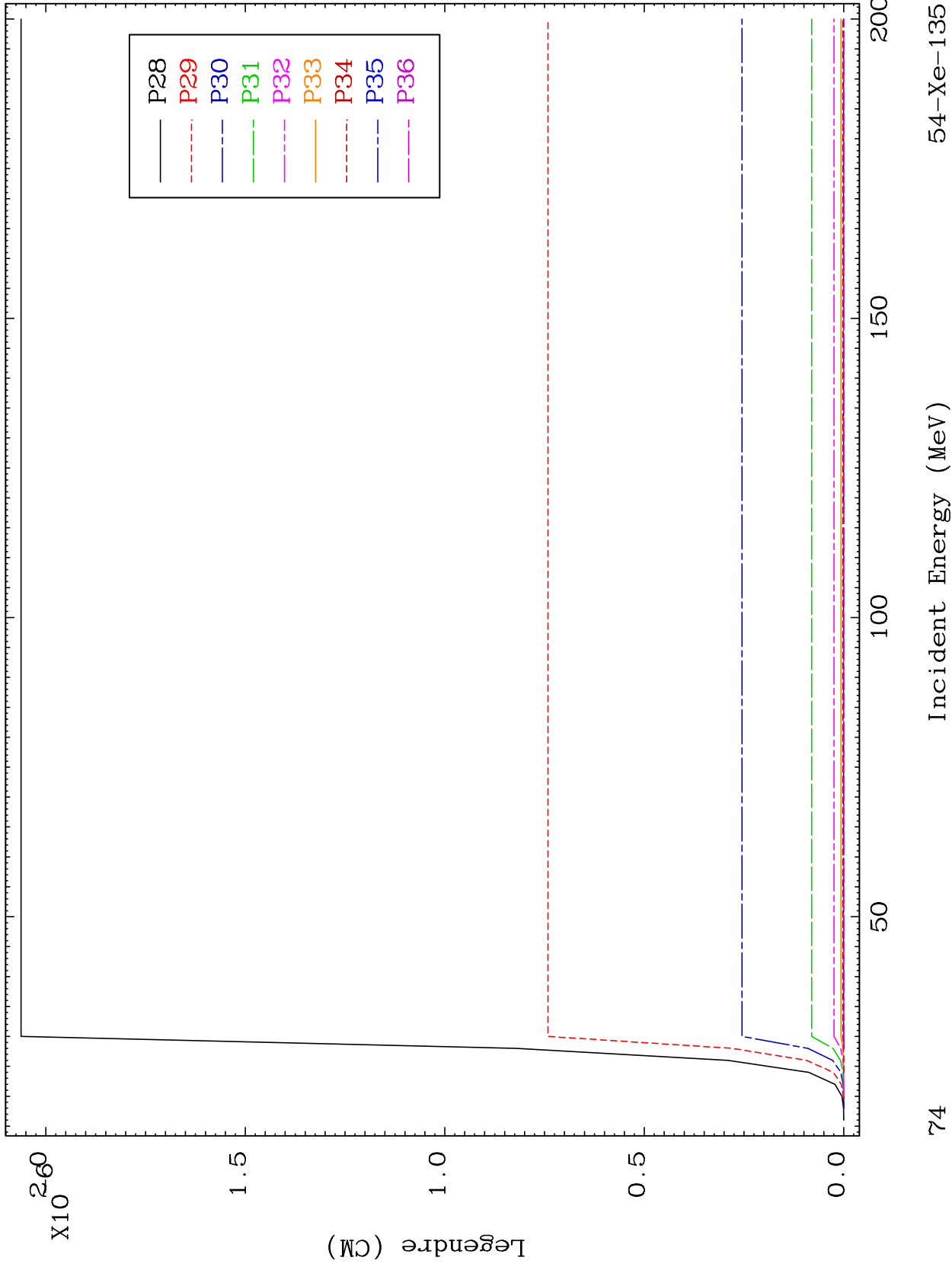
54-Xe-135



MAT 5458

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

54-Xe-135



74

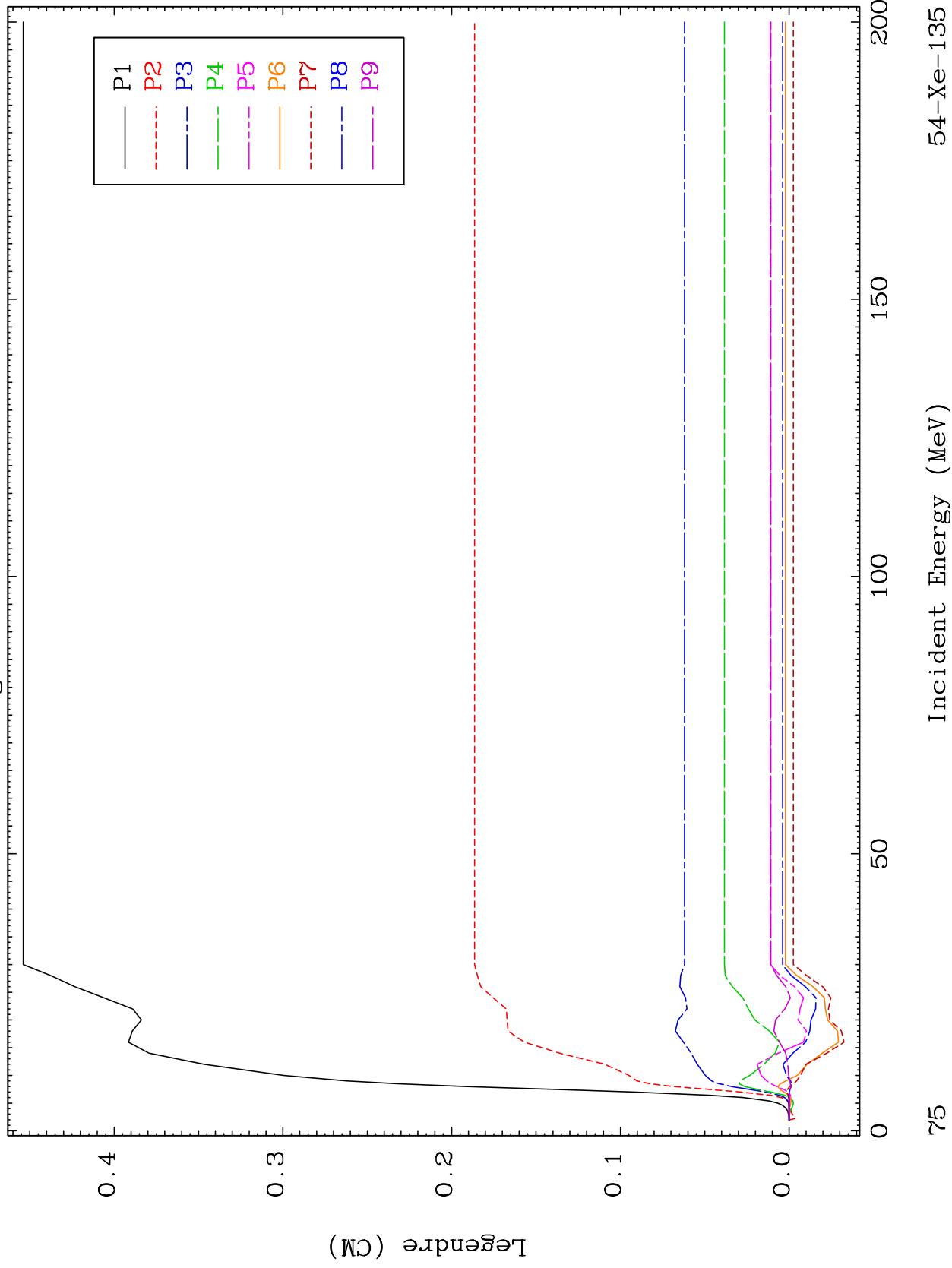
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

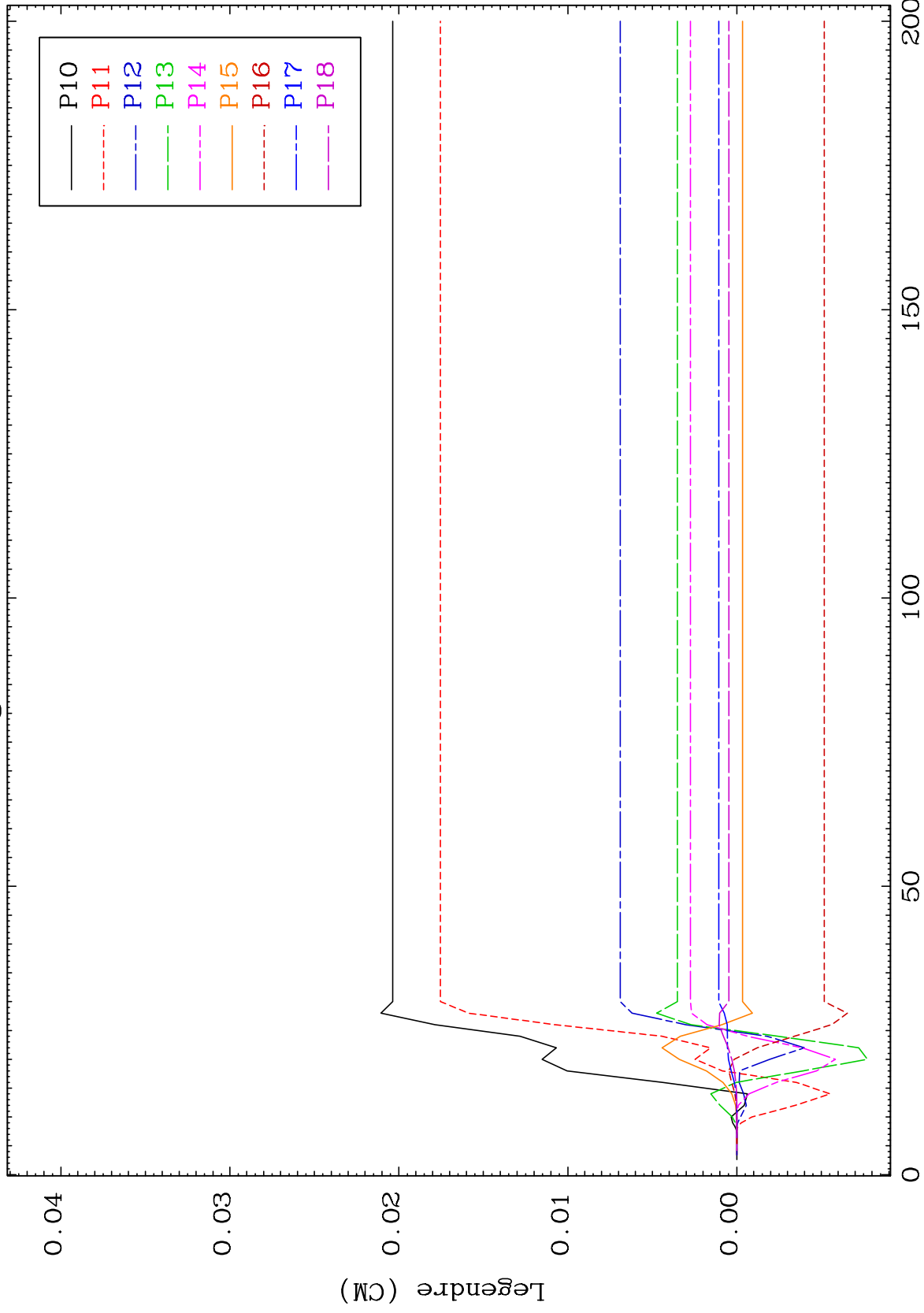
Incident Energy (MeV)

75

MAT 5458

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

54-Xe-135



76

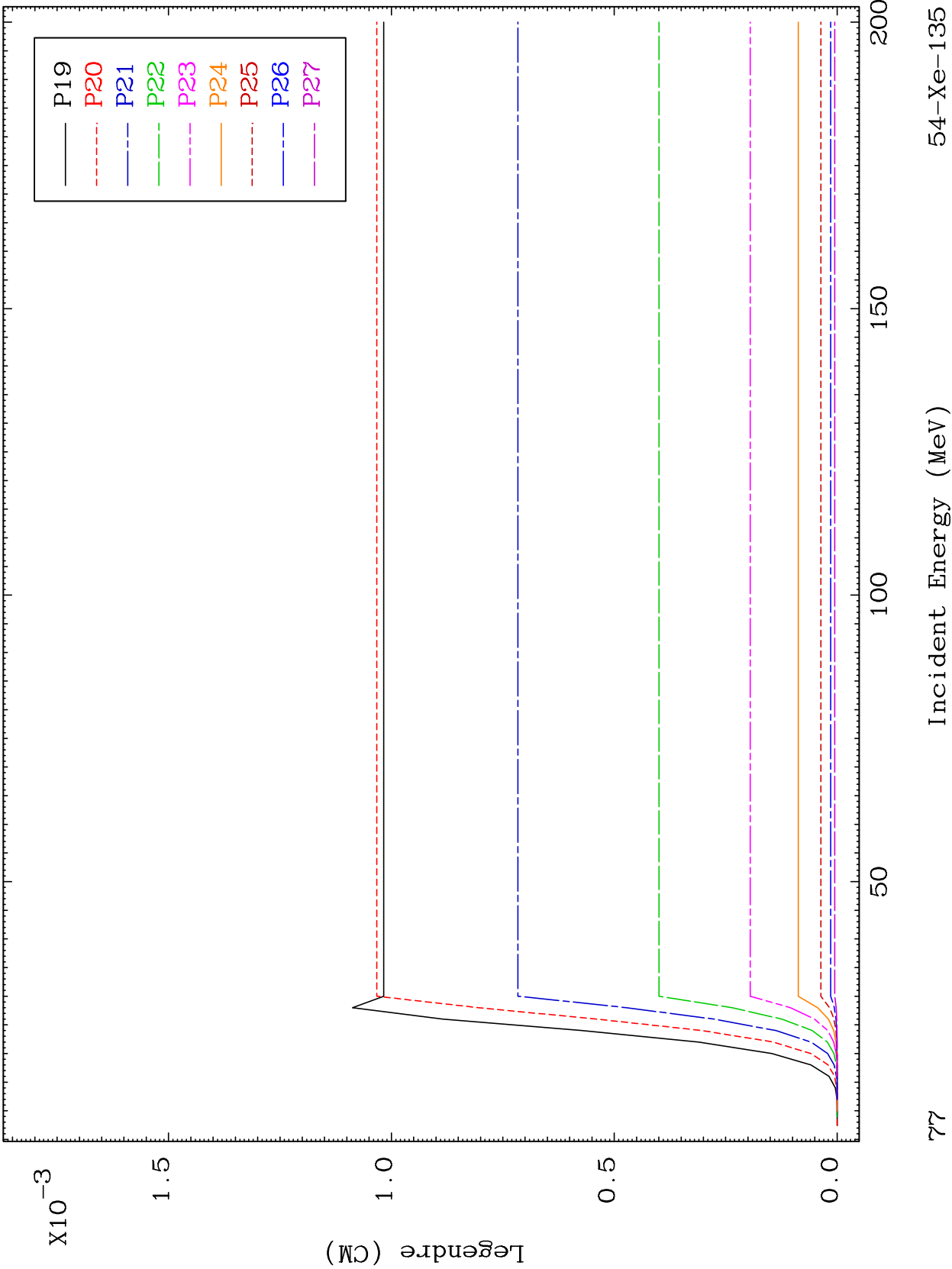
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

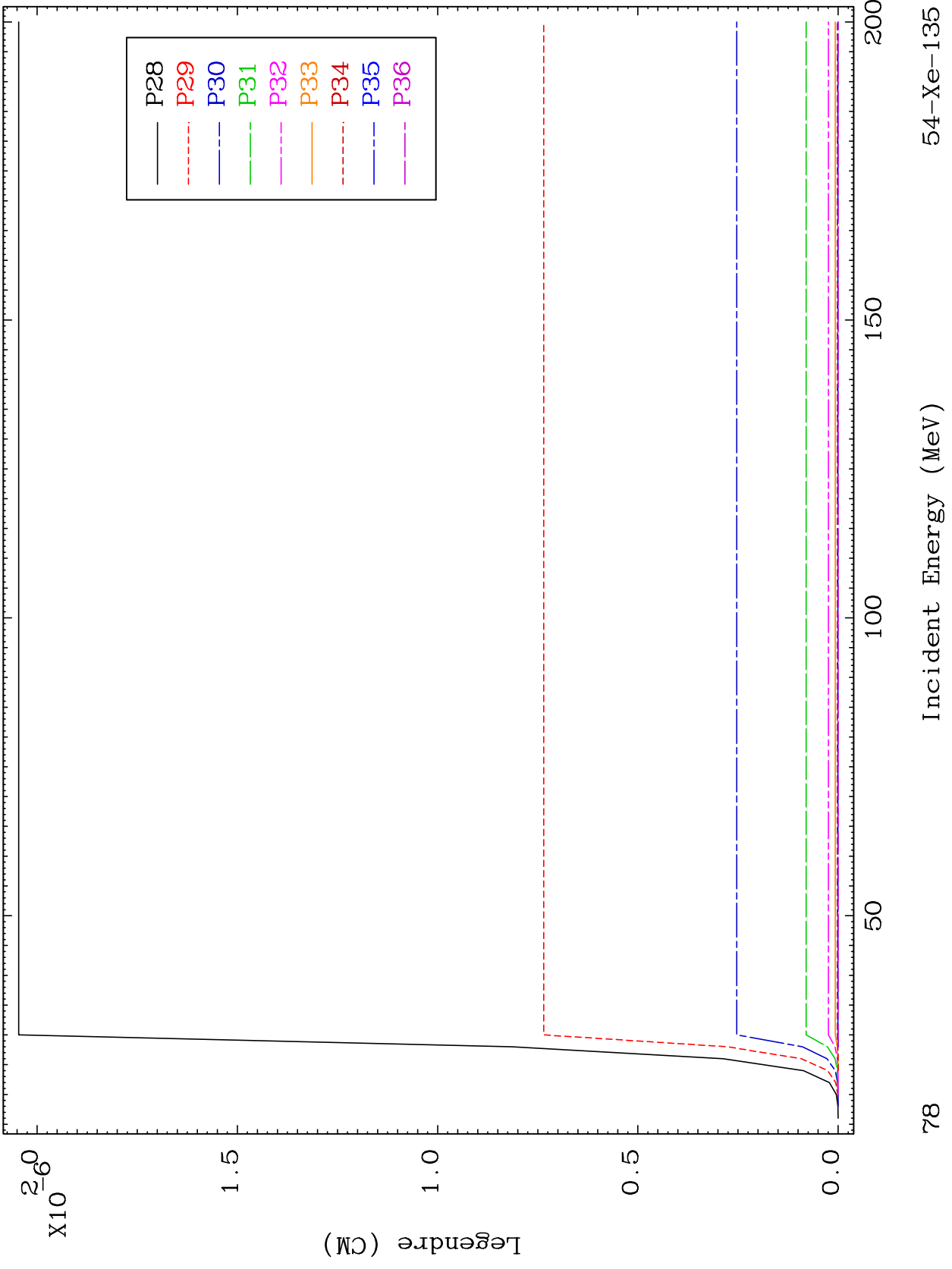
54-Xe-135



MAT 5458

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

54-Xe-135



78

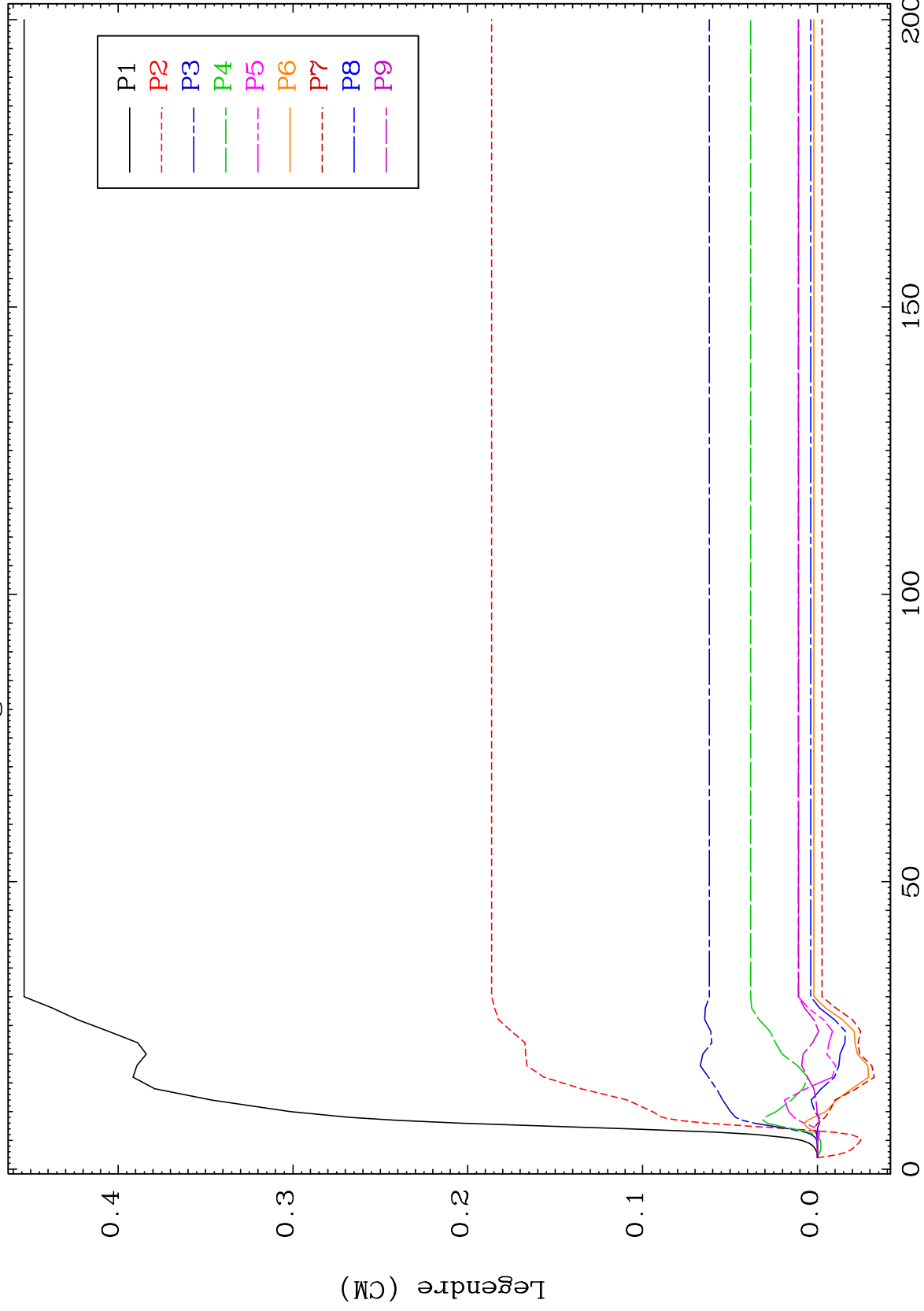
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



79

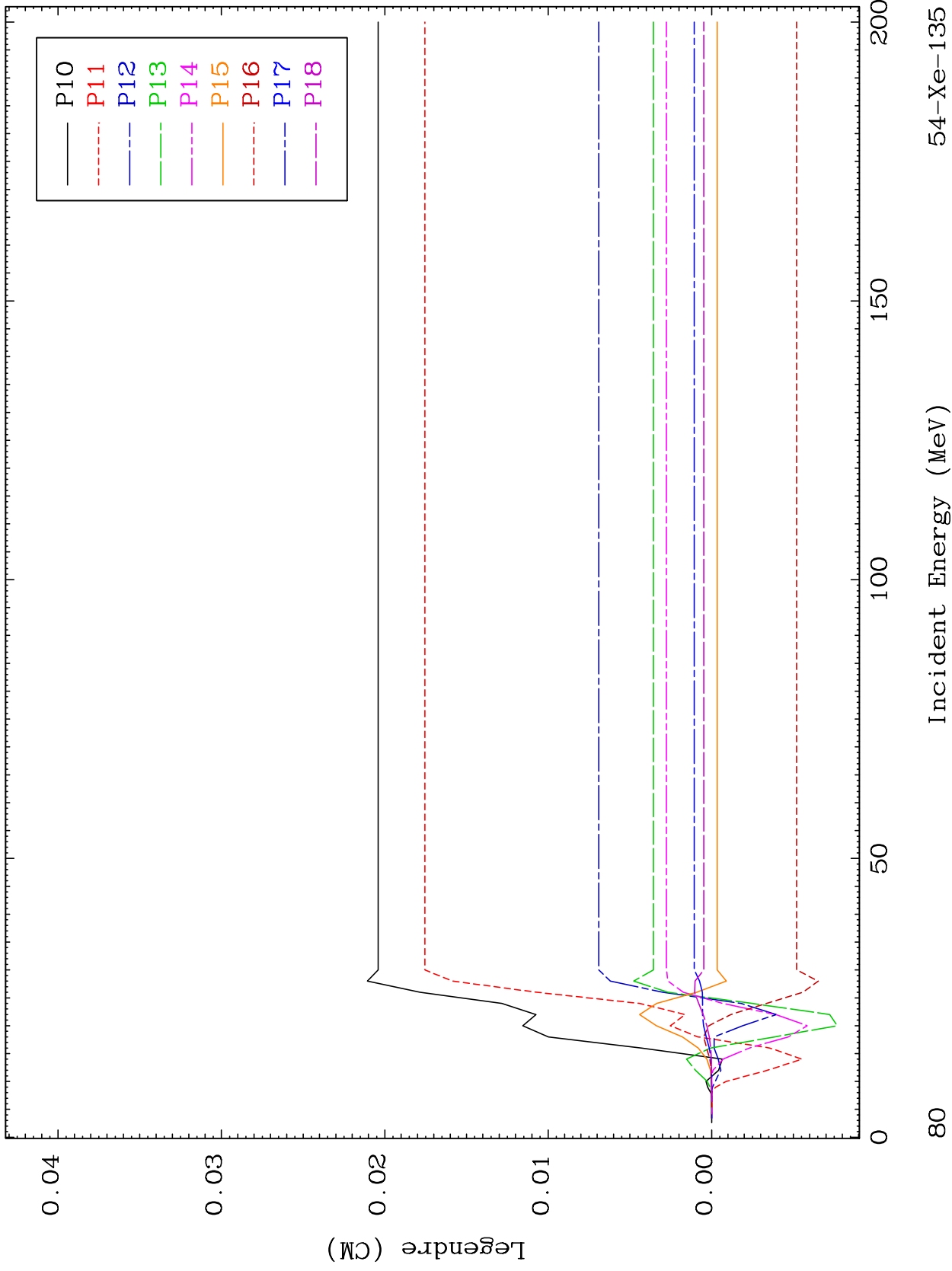
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

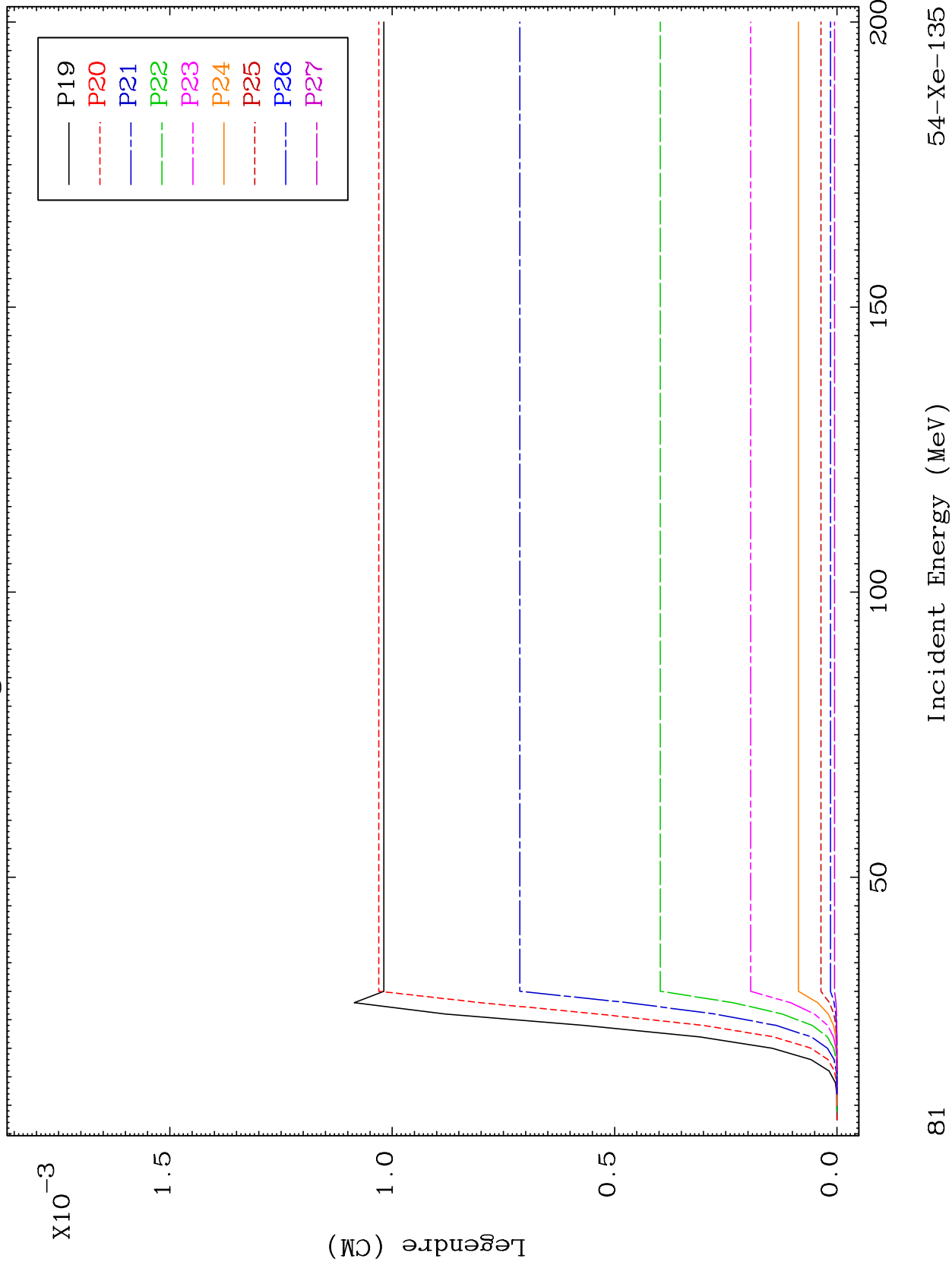
Incident Energy (MeV)

80

MAT 5458

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

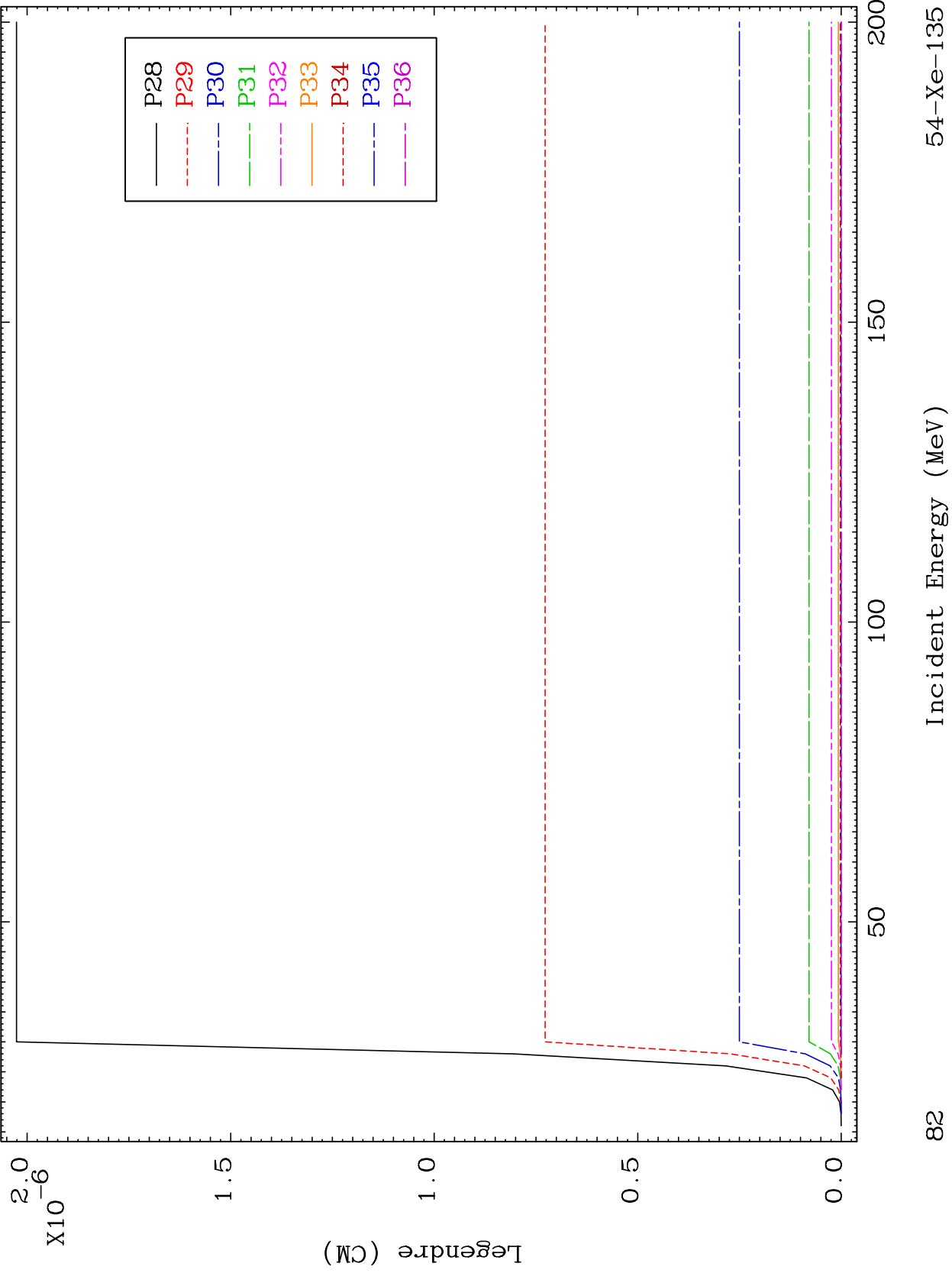
54-Xe-135



MAT 5458

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

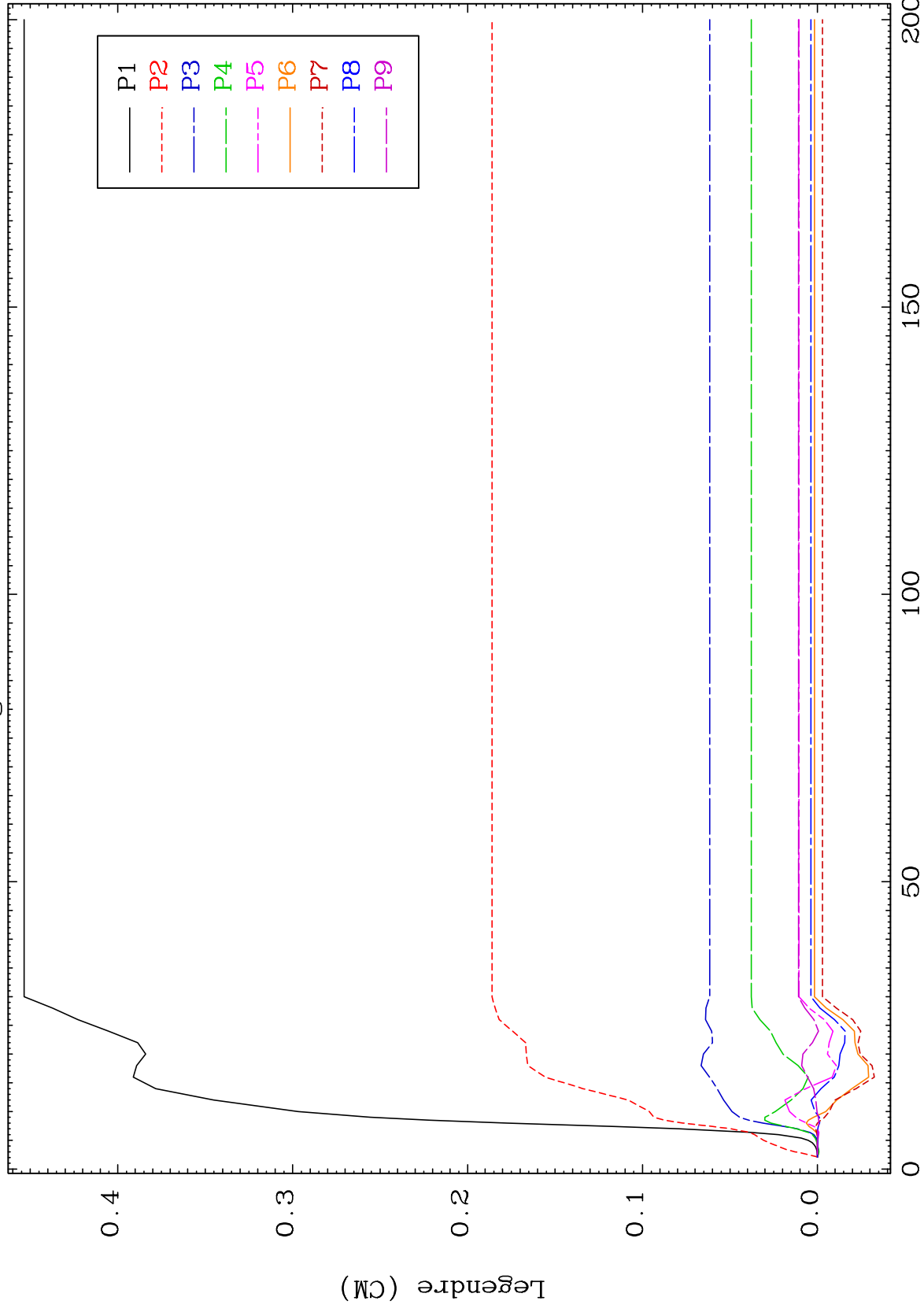
54-Xe-135



MAT 5458

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

54-Xe-135



54-Xe-135

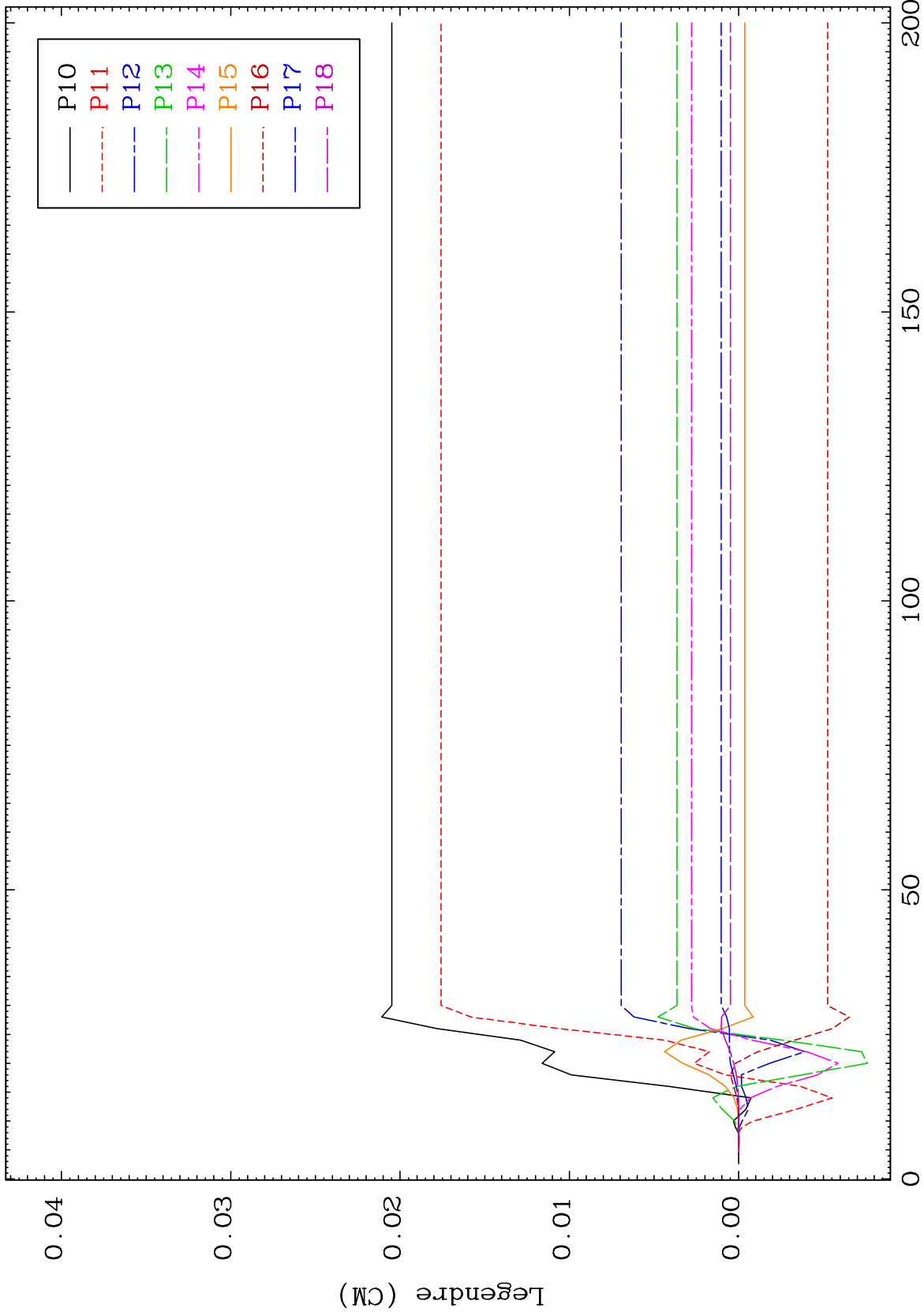
Incident Energy (MeV)

83

MAT 5458

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

54-Xe-135



84

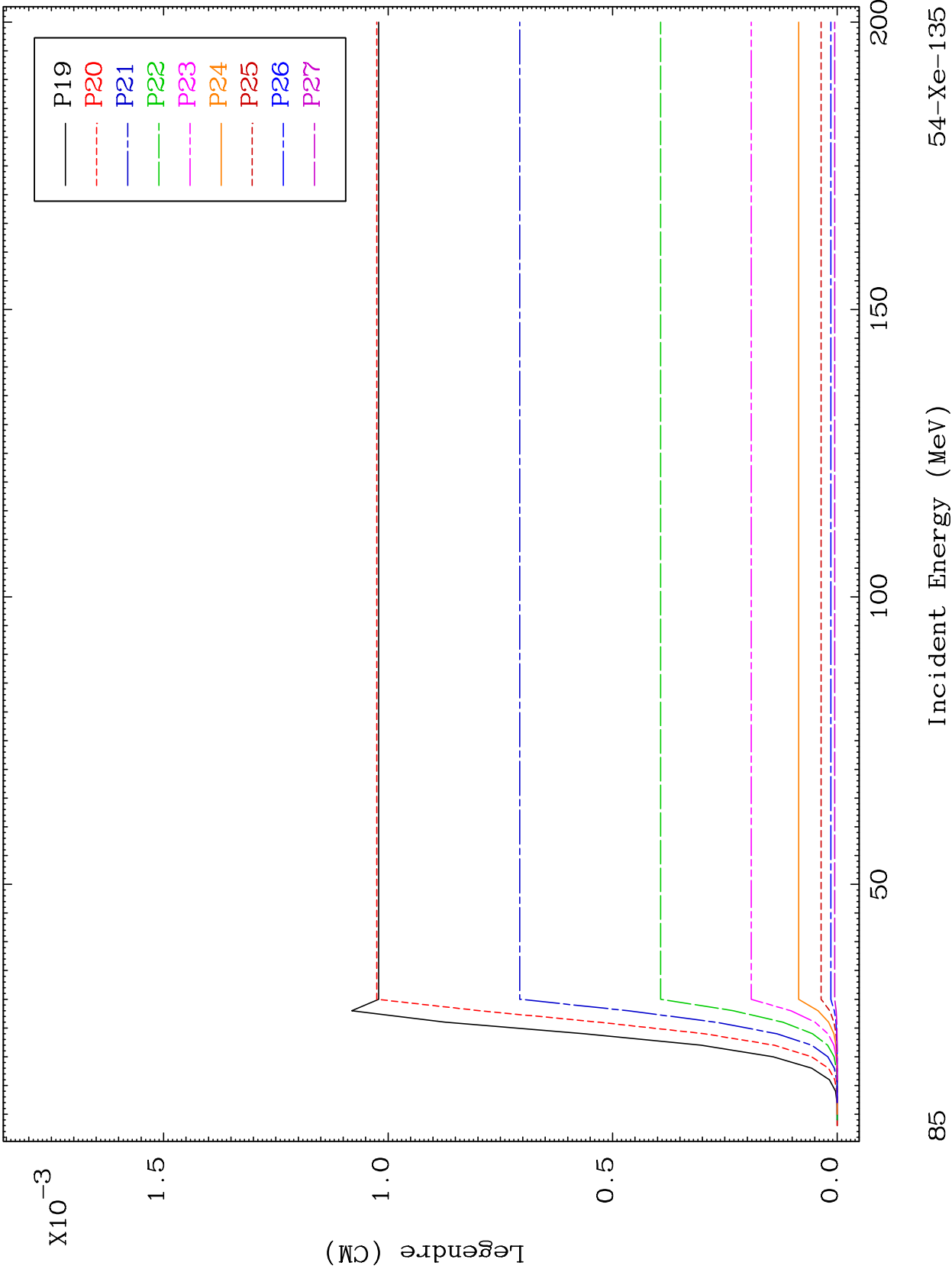
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



85

Incident Energy (MeV)

54-Xe-135

200

150

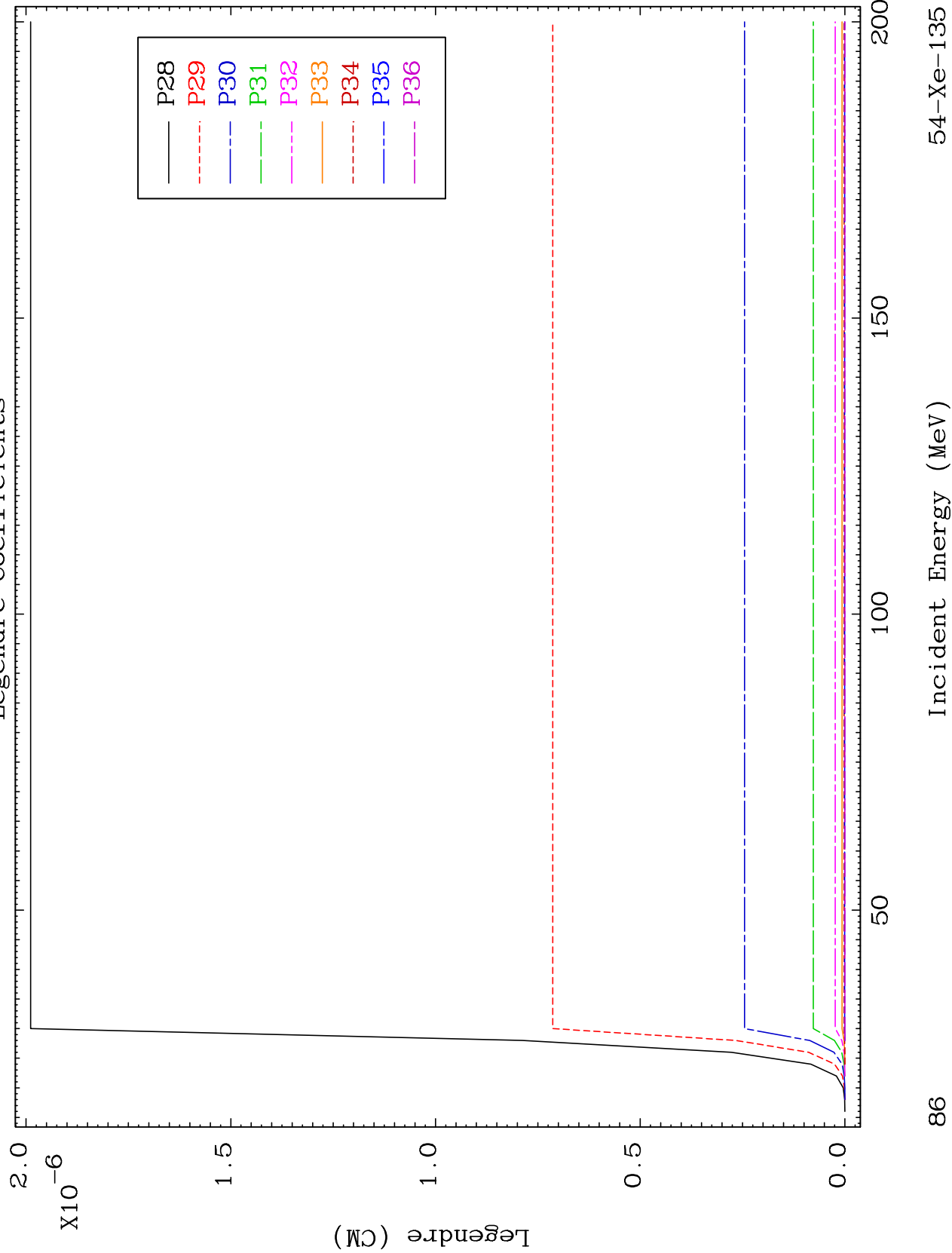
100

50

MAT 5458

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

54-Xe-135



86

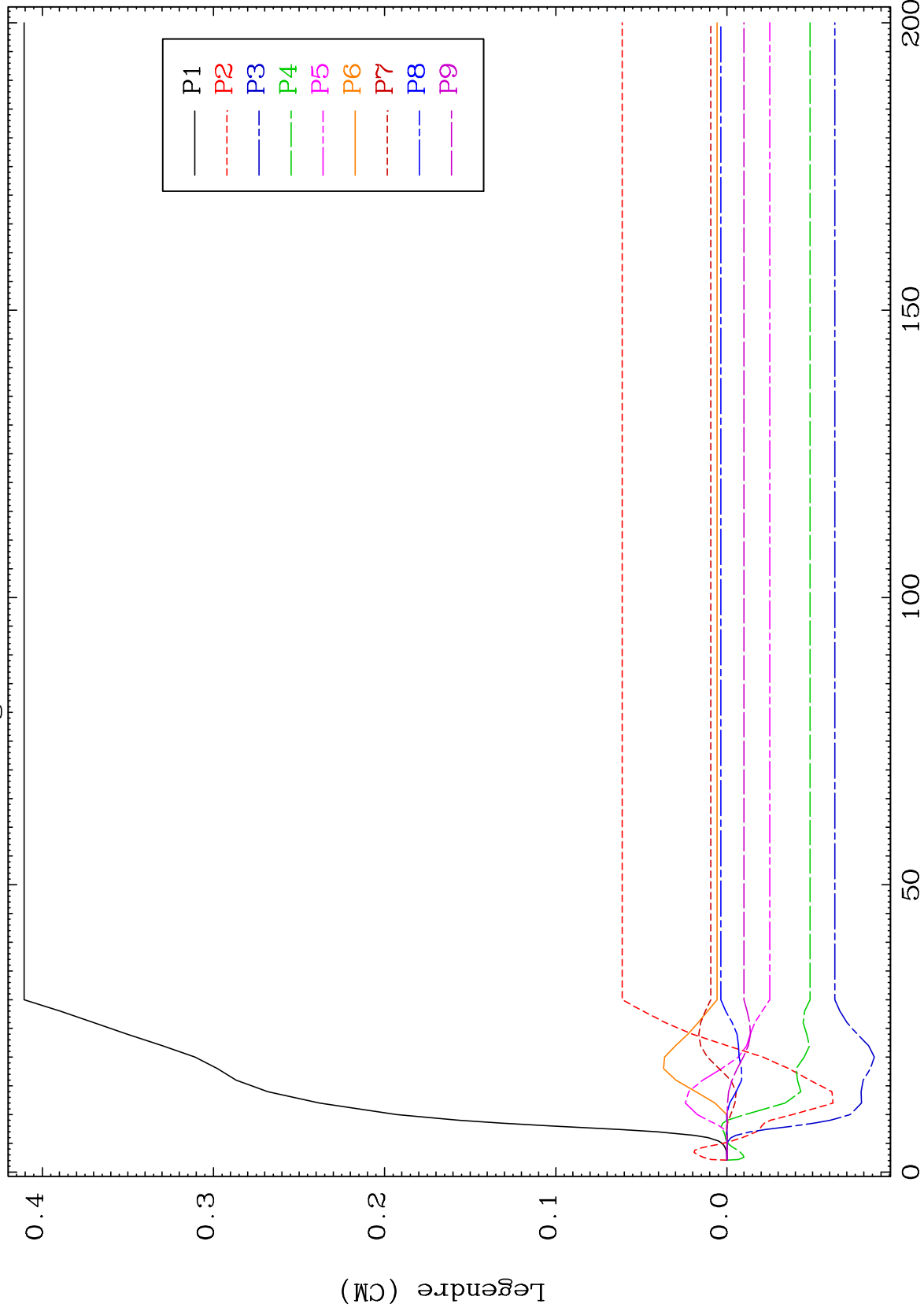
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



87

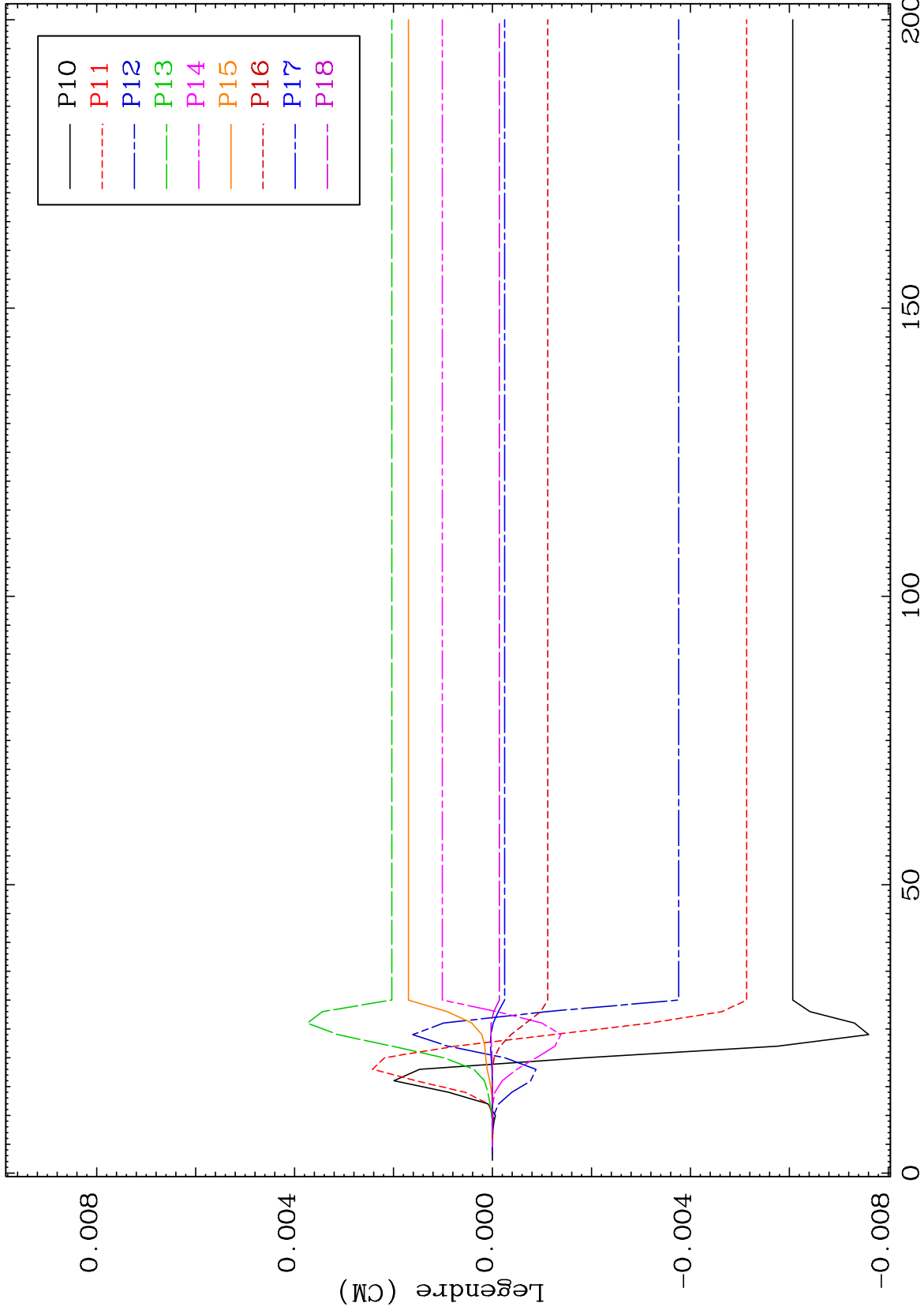
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



88

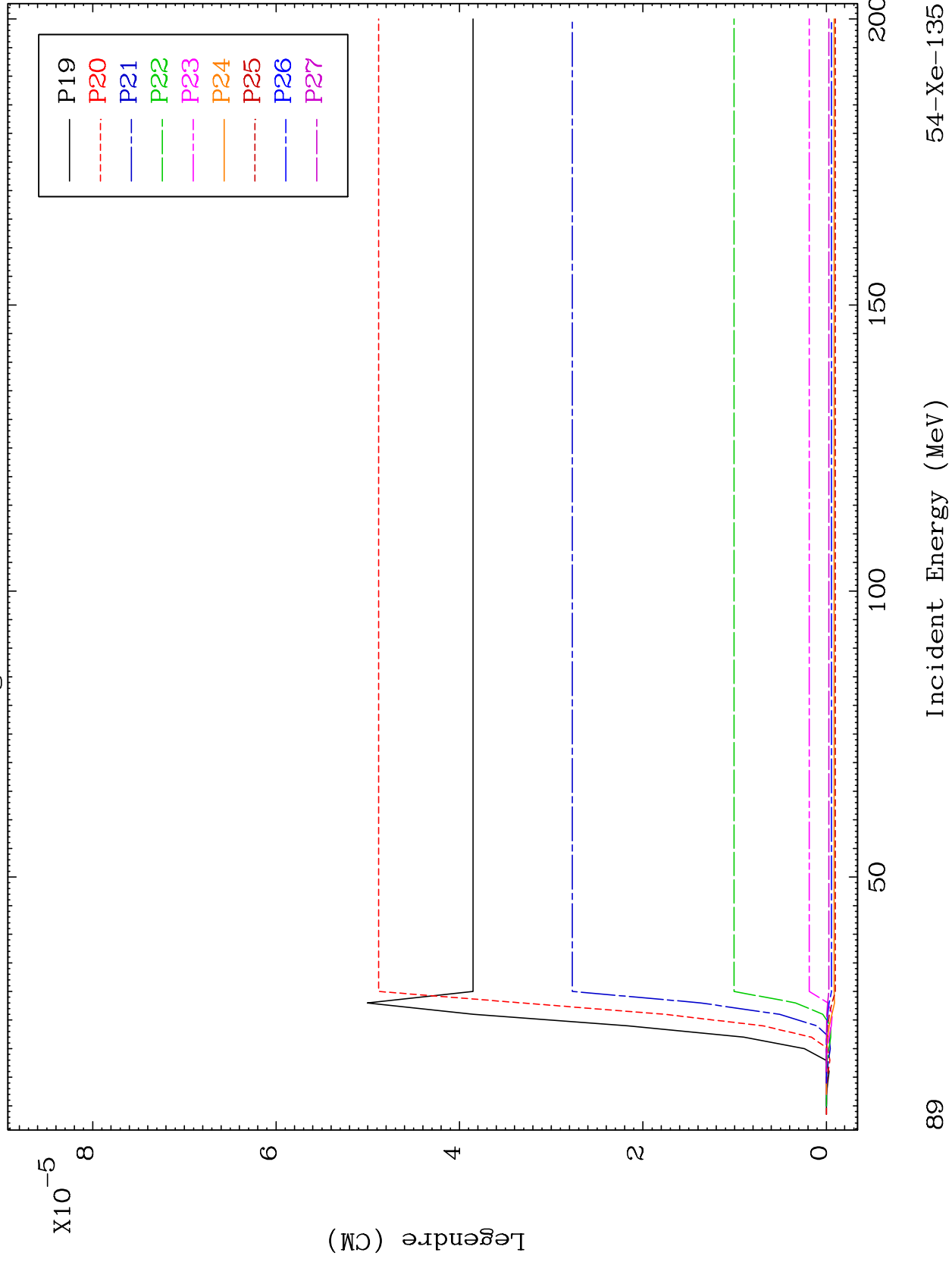
Incident Energy (MeV)

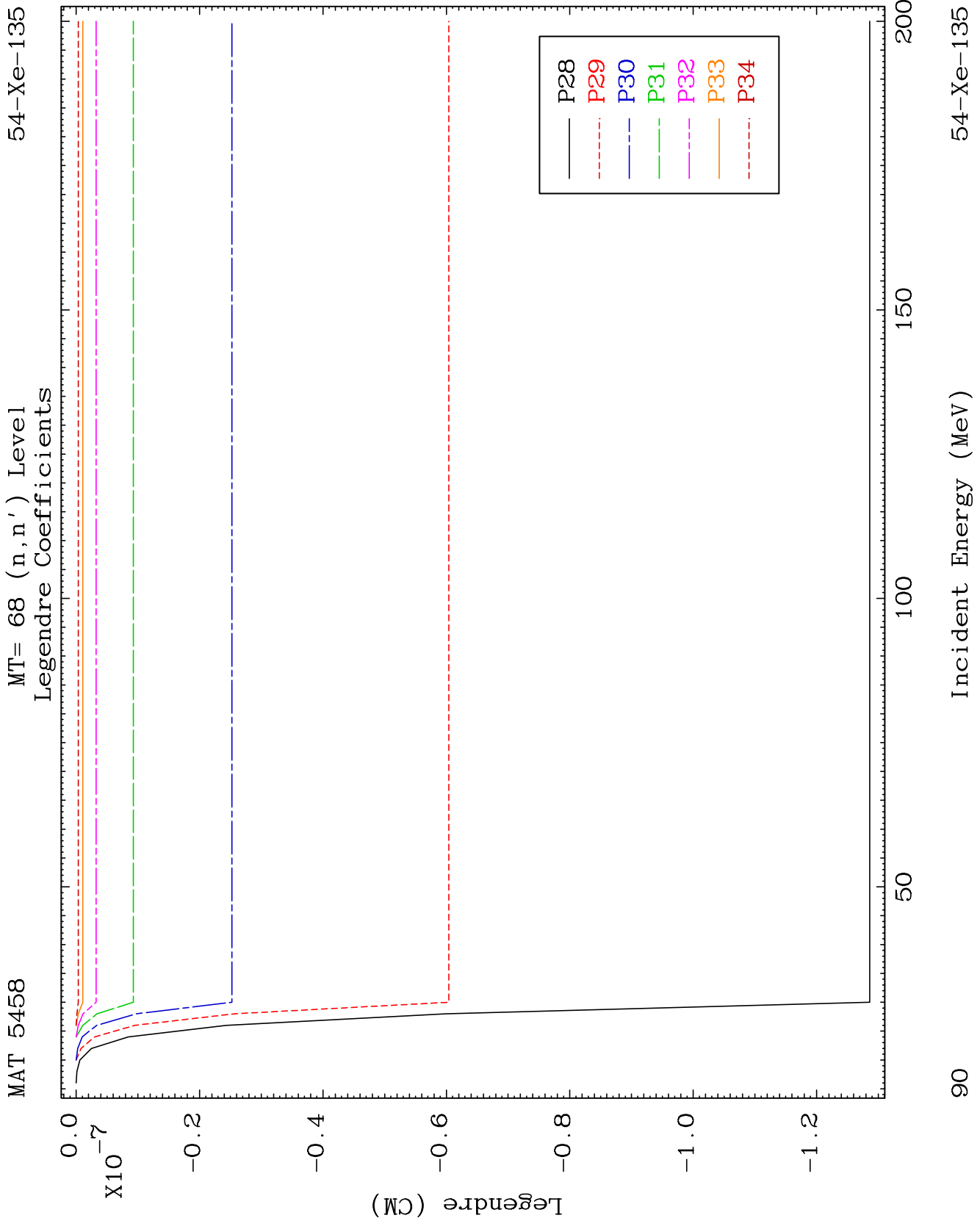
54-Xe-135

MAT 5458

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

54-Xe-135

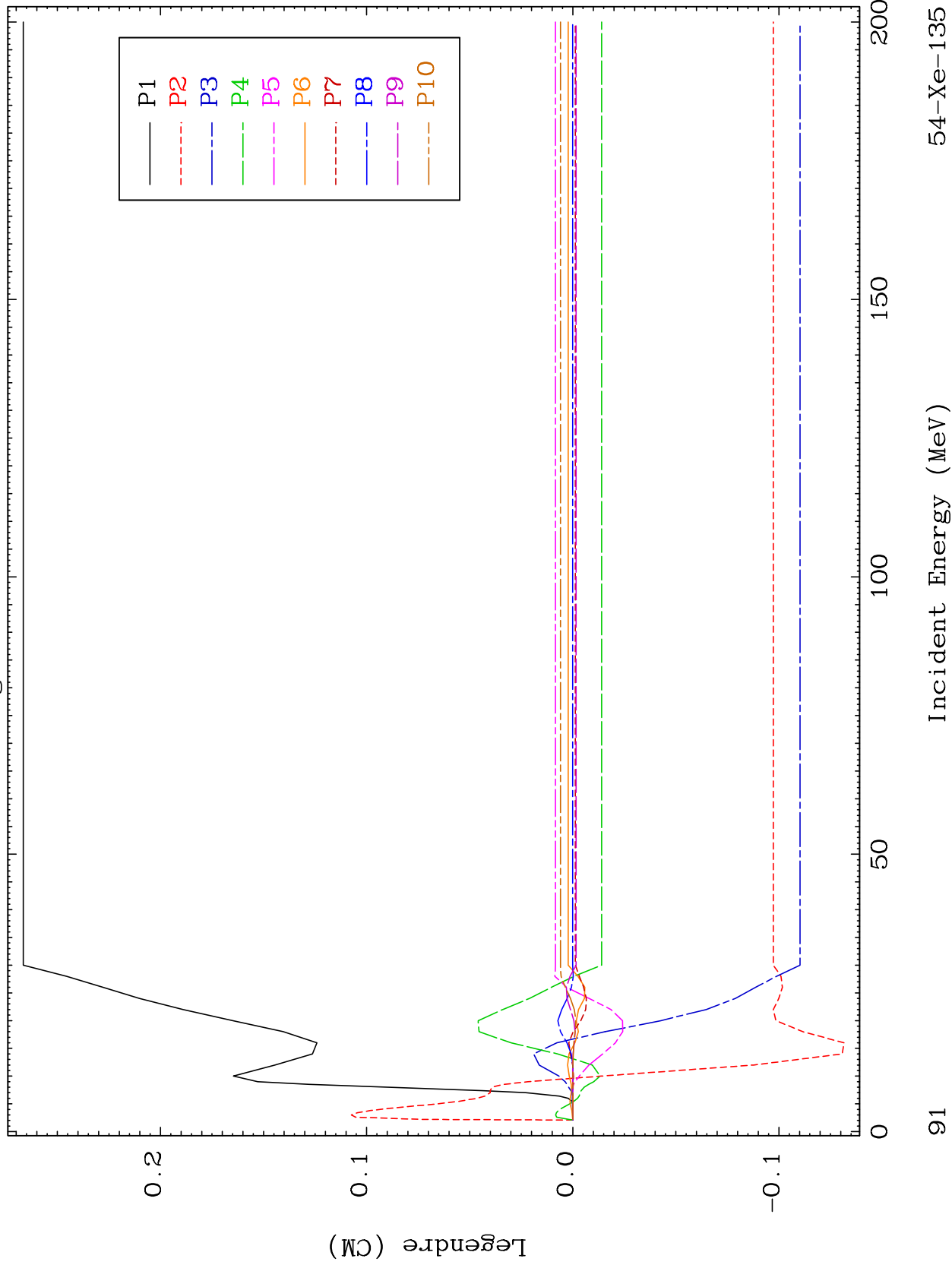




MAT 5458

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

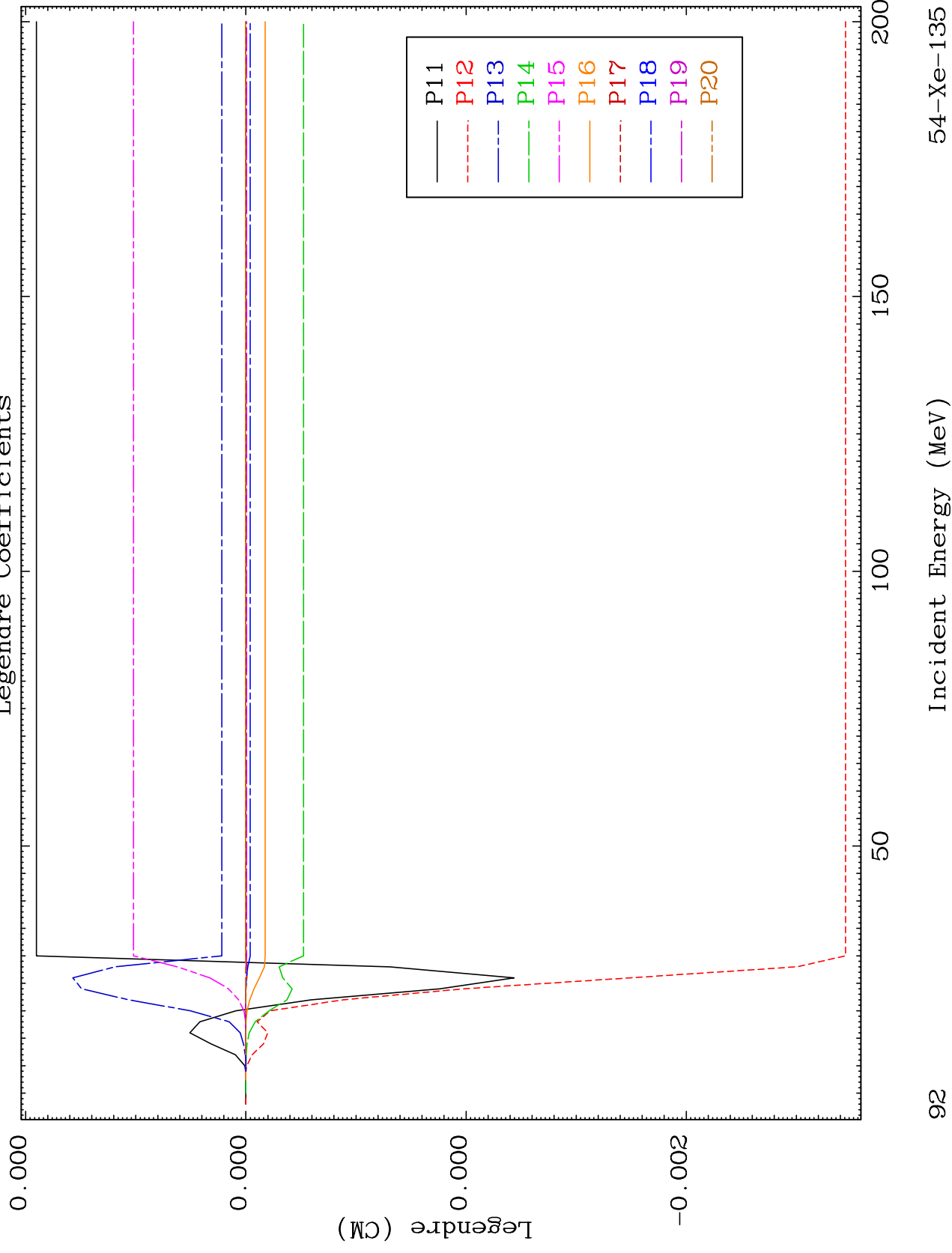
54-Xe-135



MAT 5458

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

54-Xe-135



92

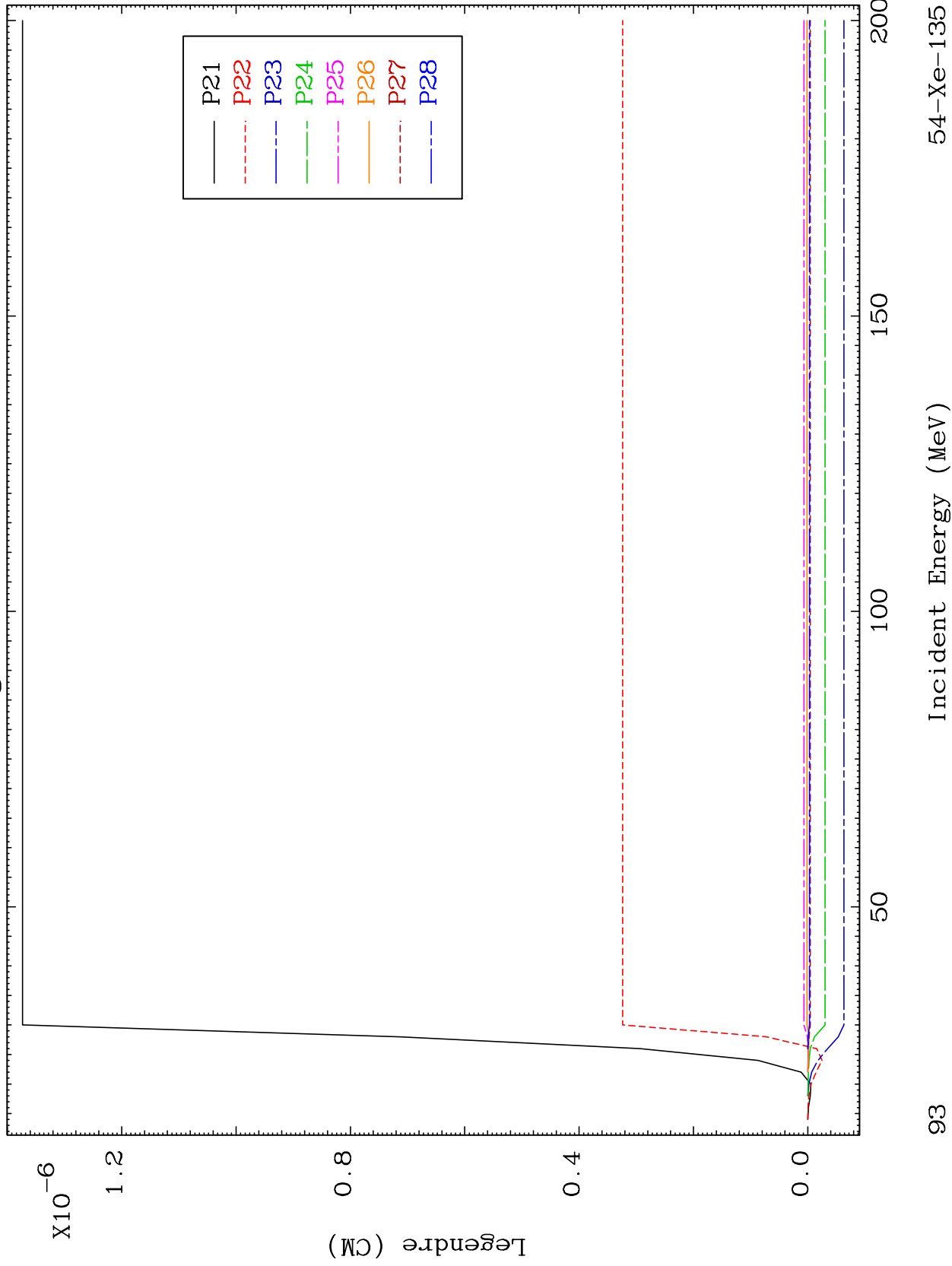
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



93

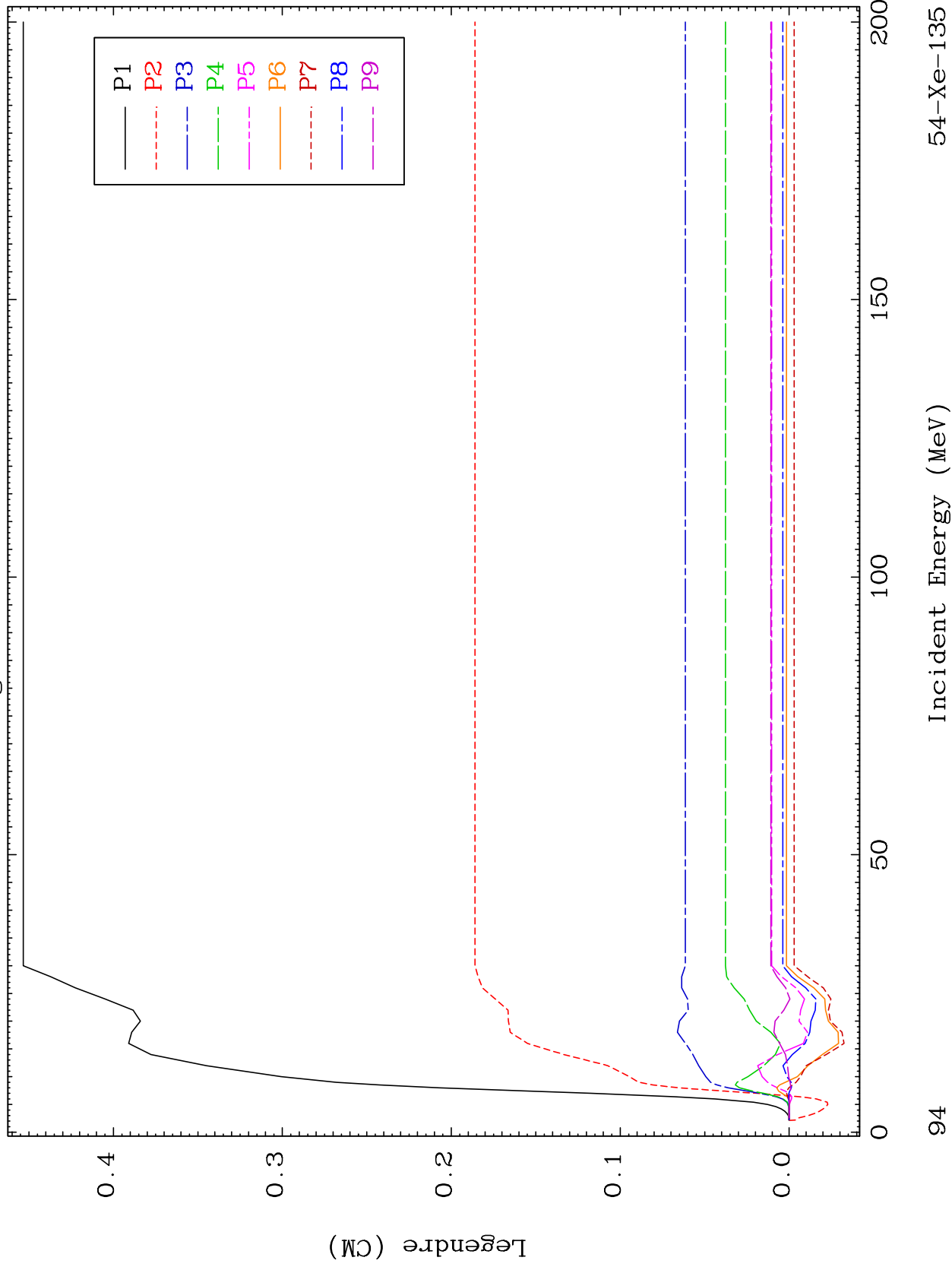
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

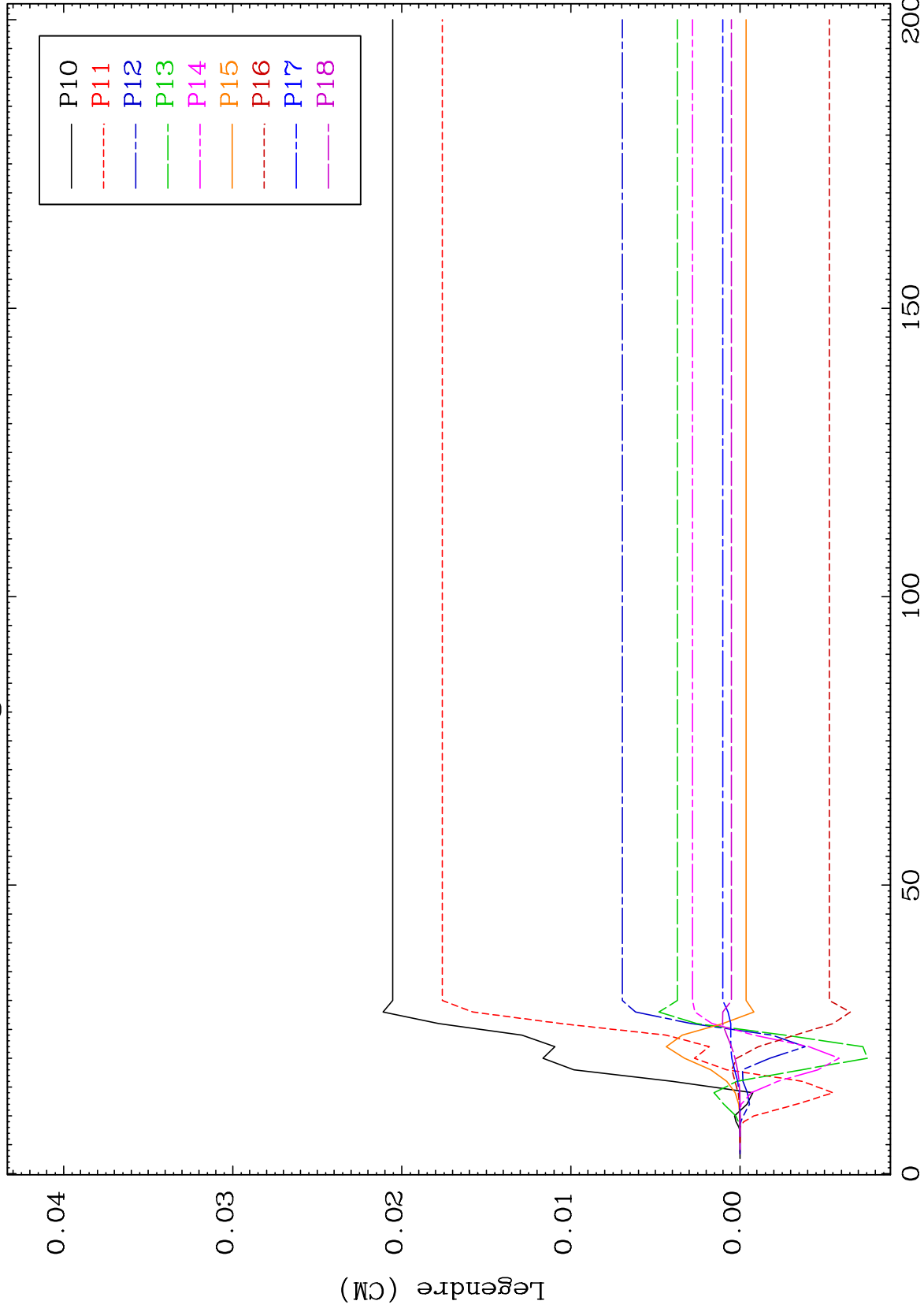
Incident Energy (MeV)

94

MAT 5458

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

54-Xe-135



95

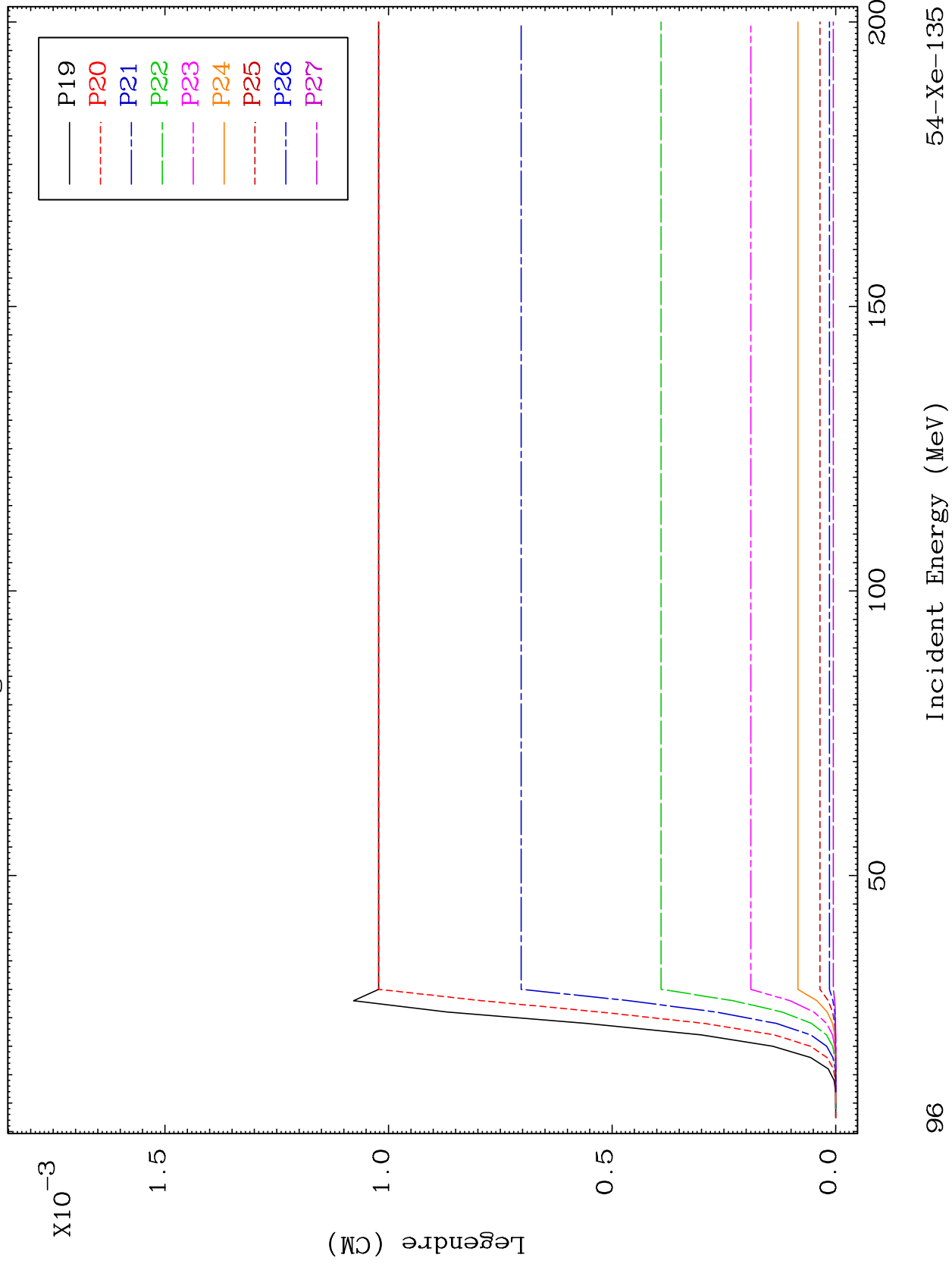
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



96

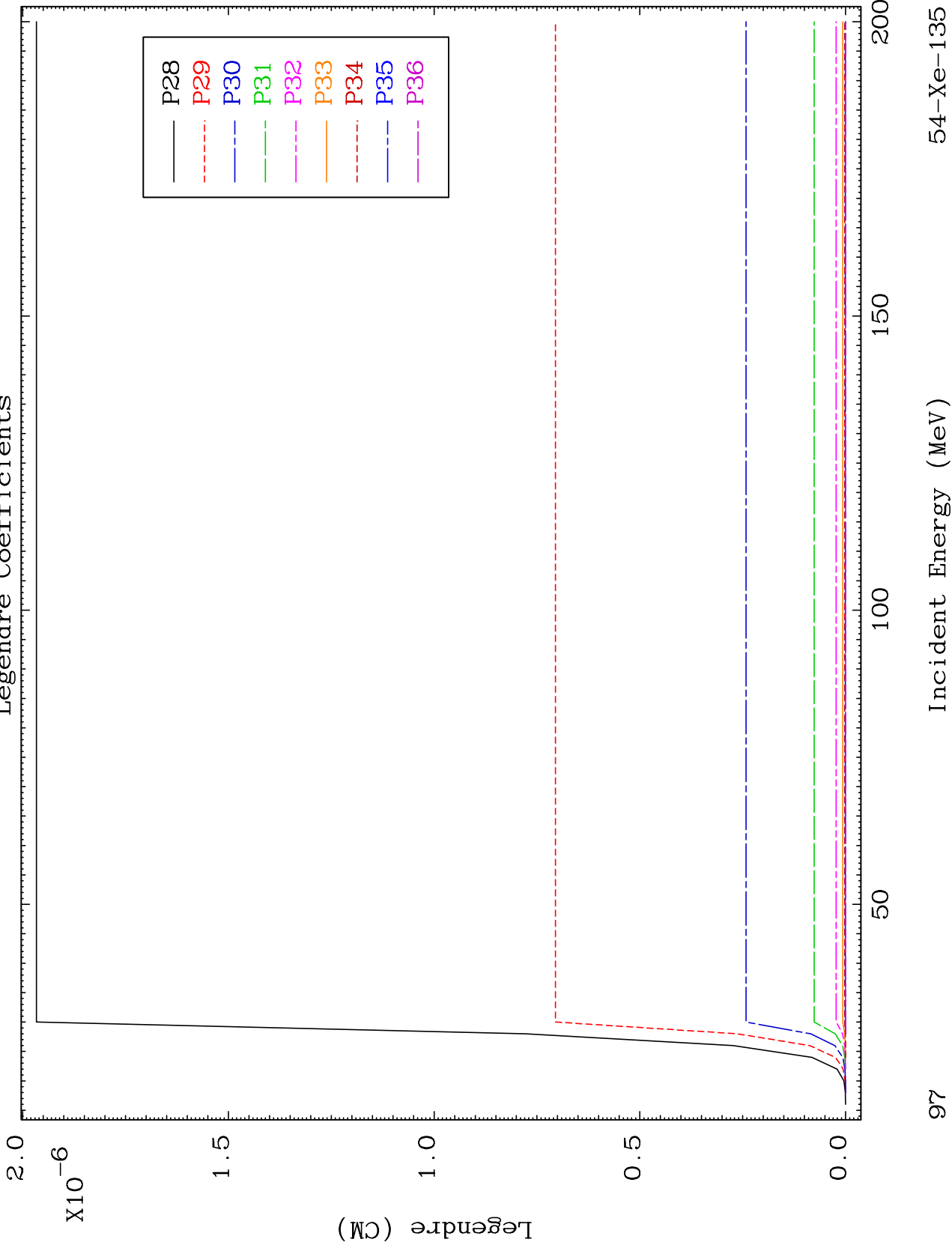
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



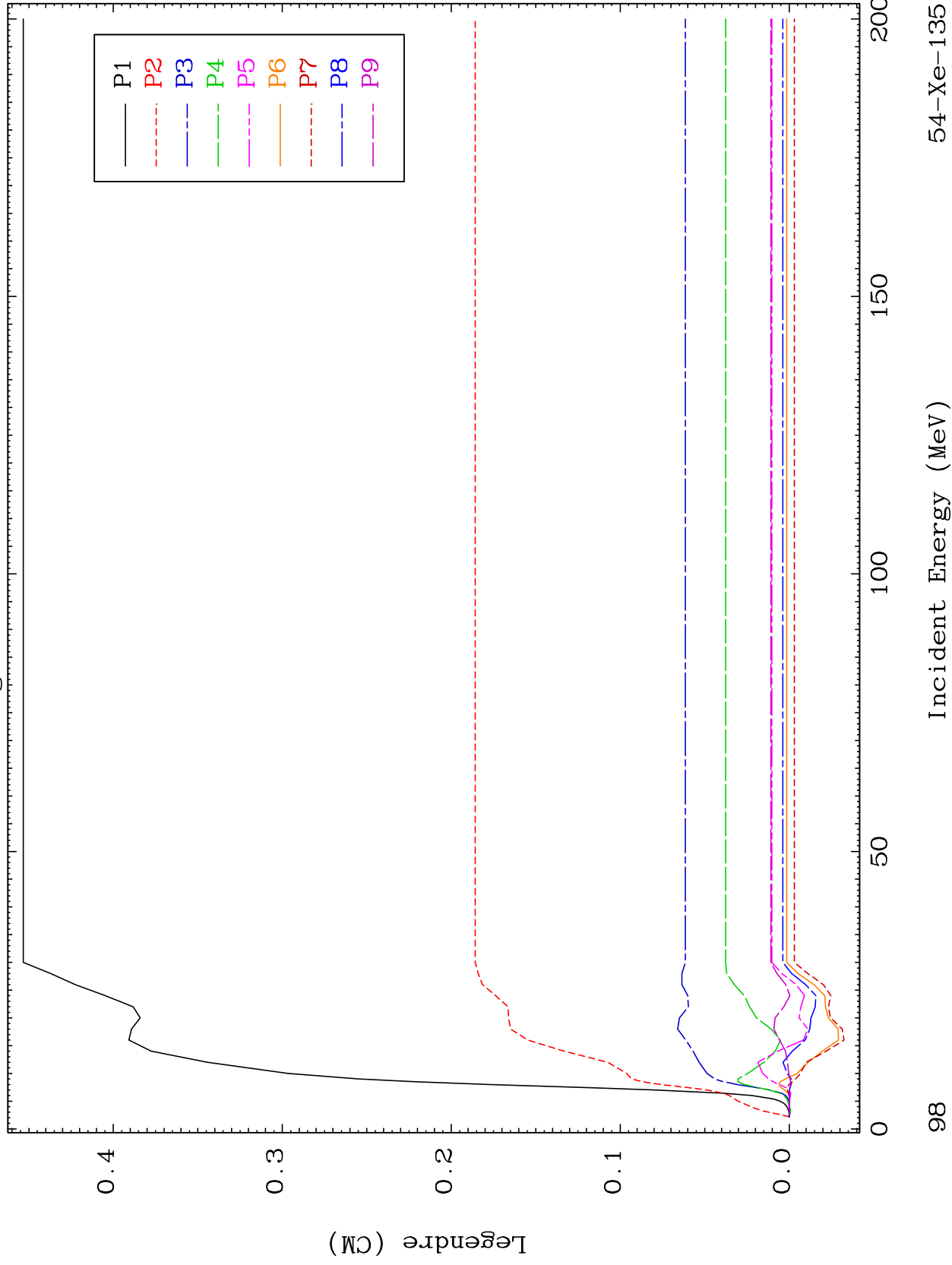
97

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

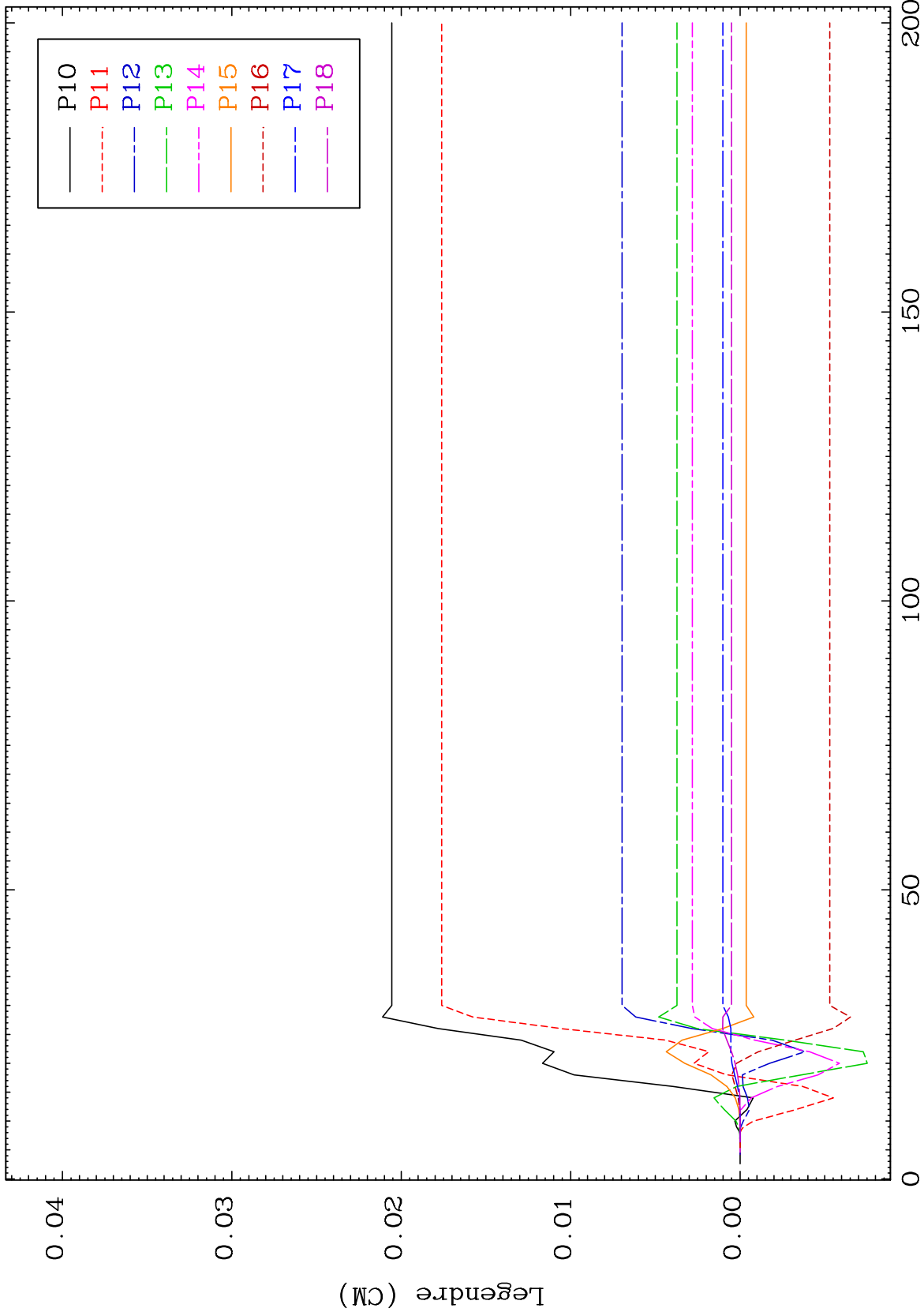
Incident Energy (MeV)

98

MAT 5458

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

54-Xe-135



99

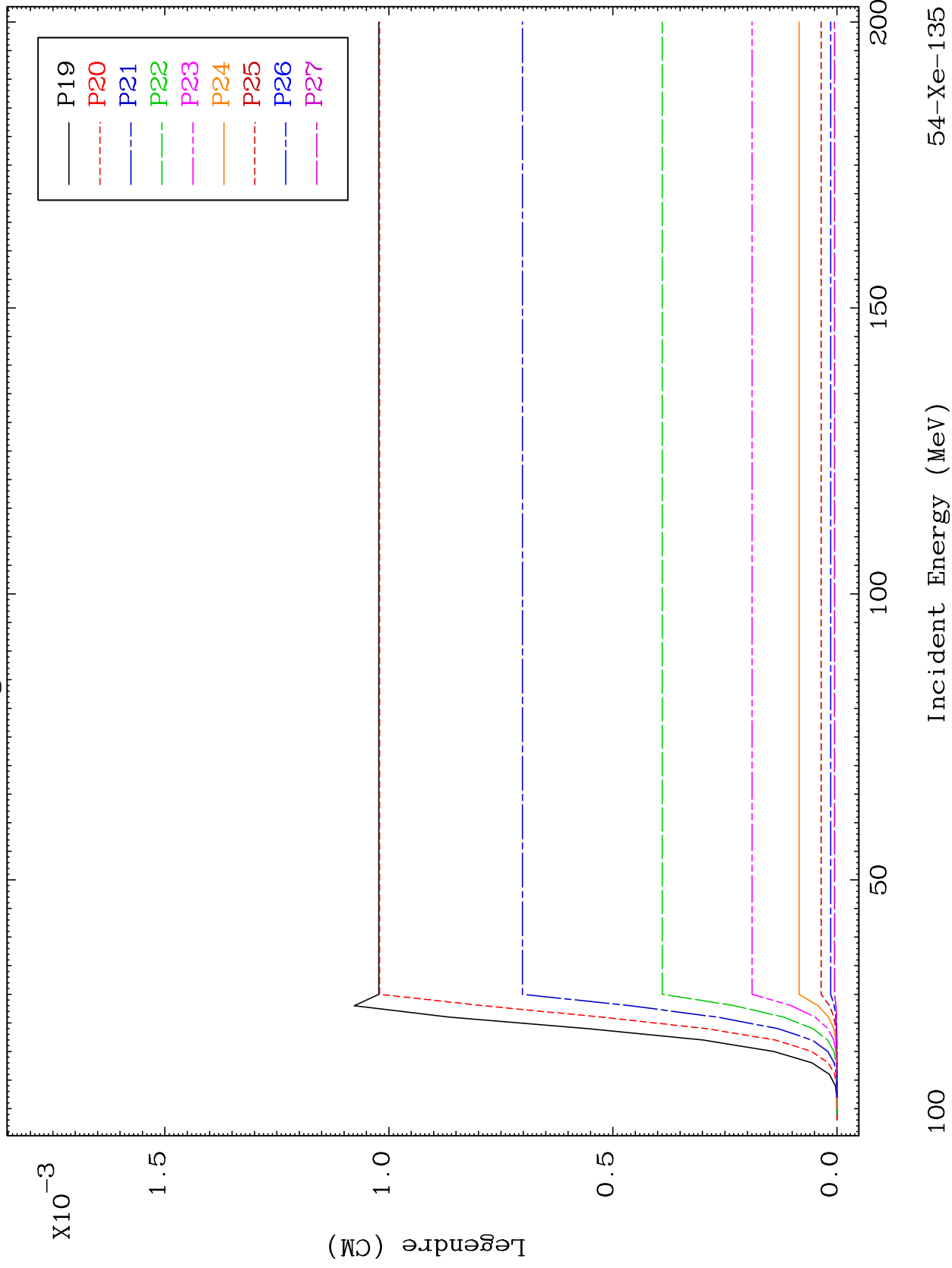
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

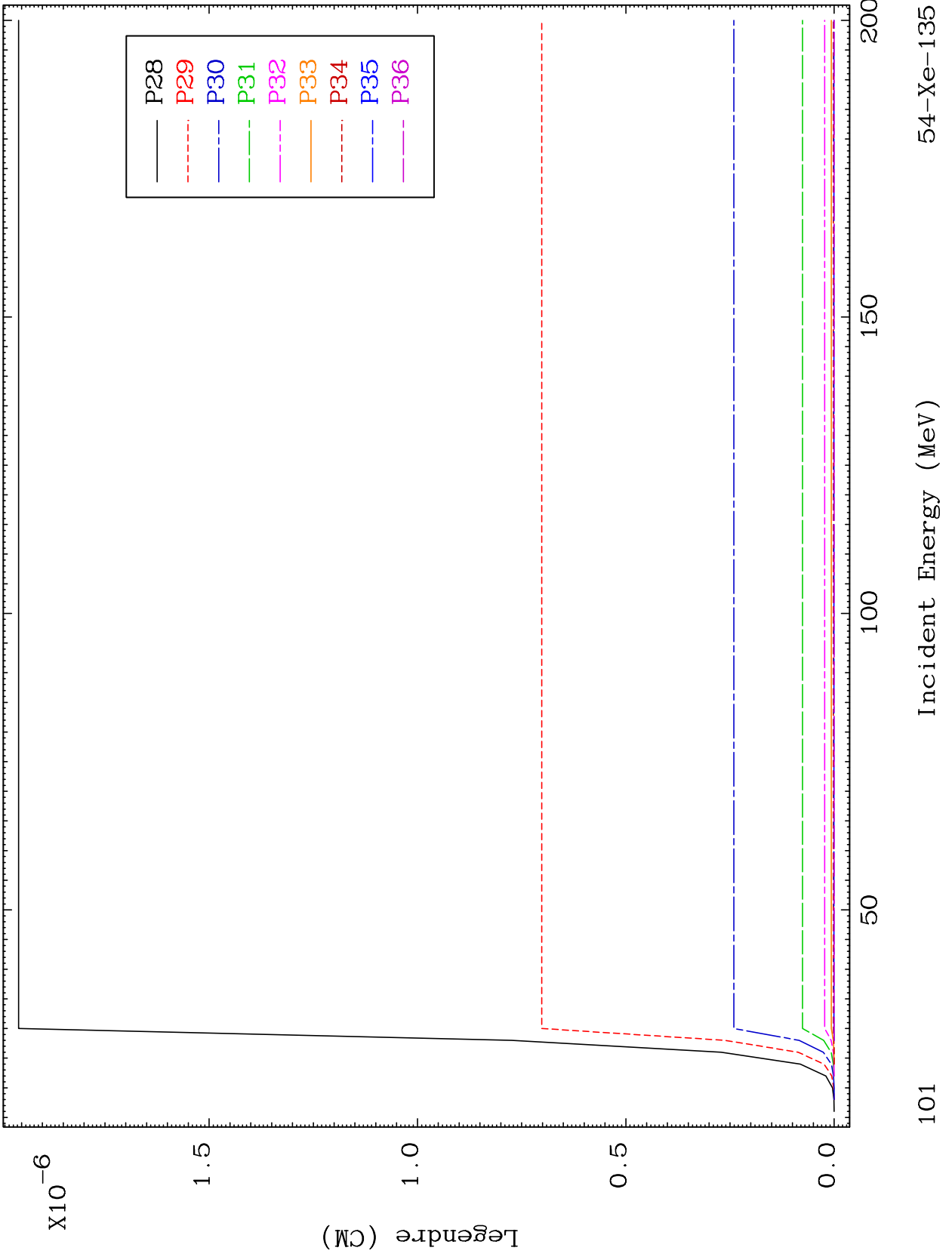
54-Xe-135



MAT 5458

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

54-Xe-135

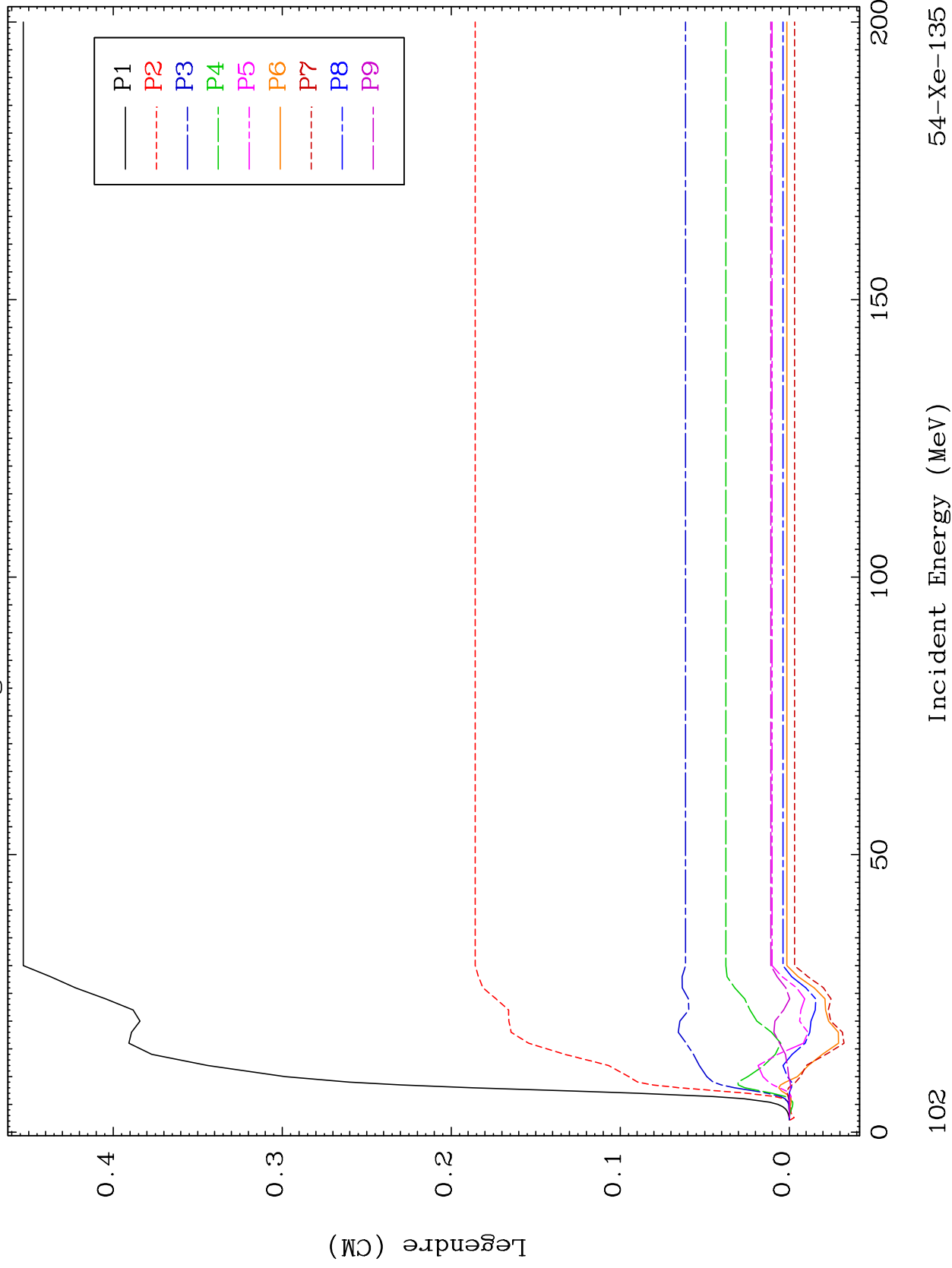


101

MAT 5458

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

54-Xe-135



54-Xe-135

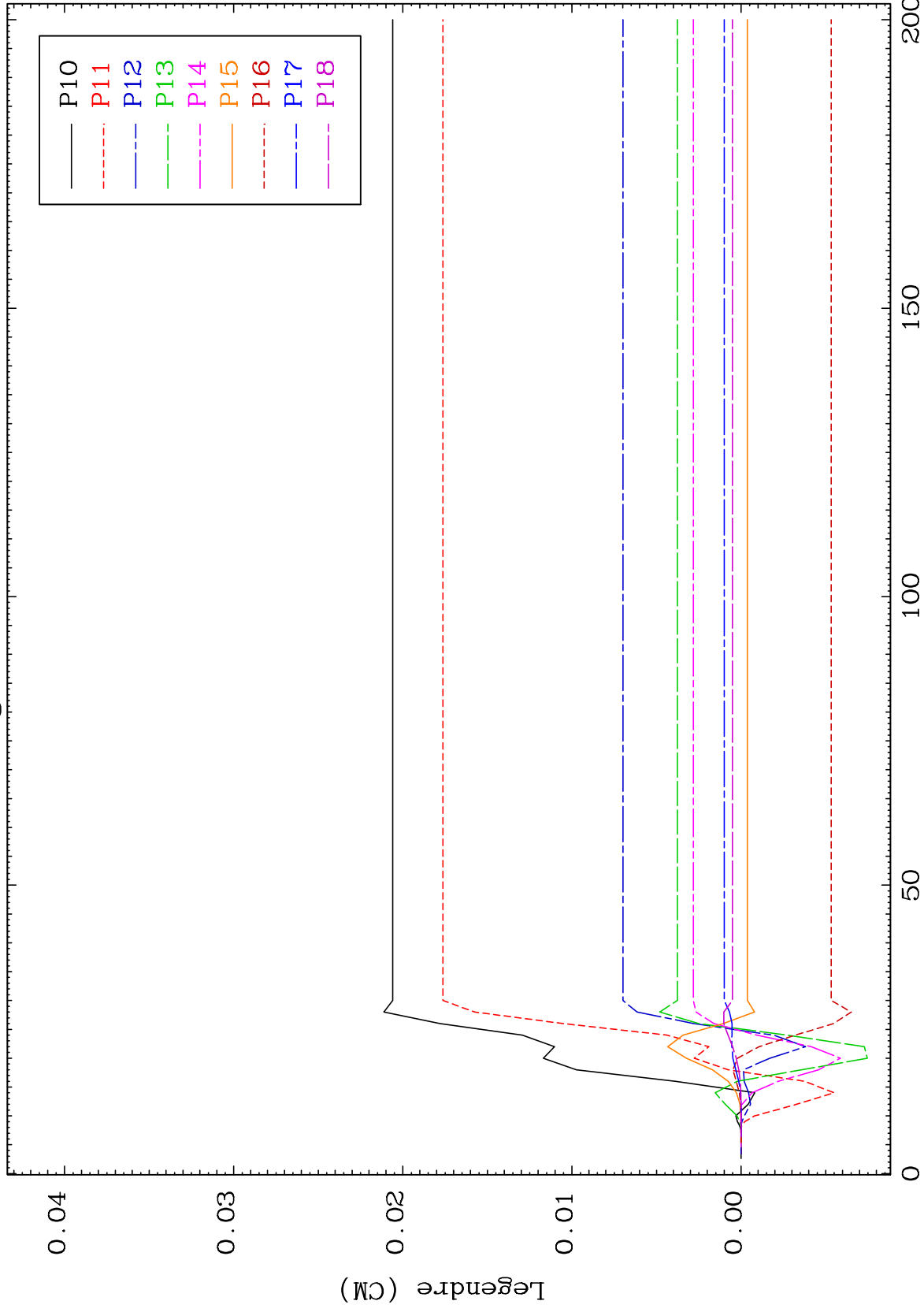
Incident Energy (MeV)

102

MAT 5458

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

54-Xe-135



103

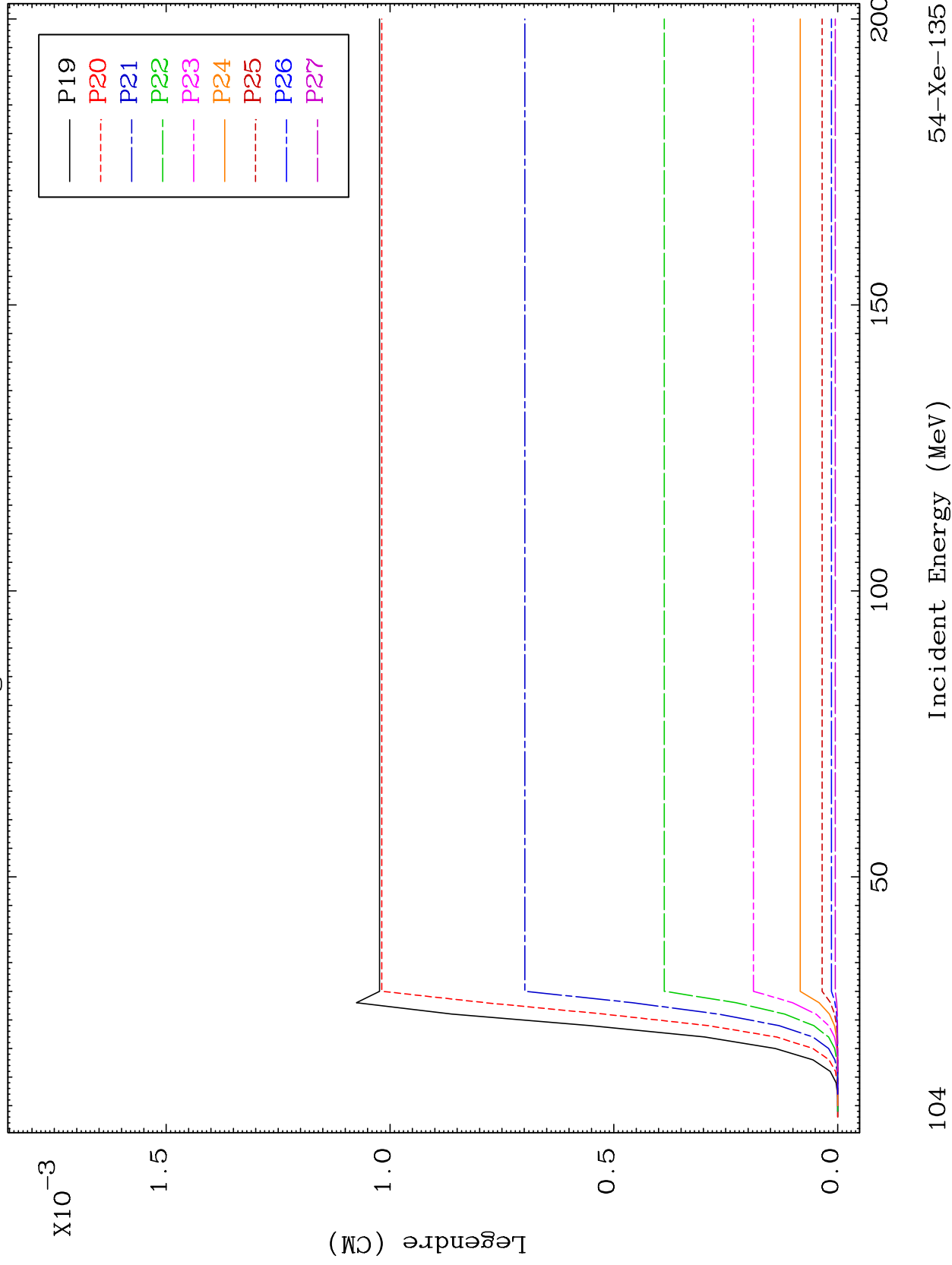
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



104

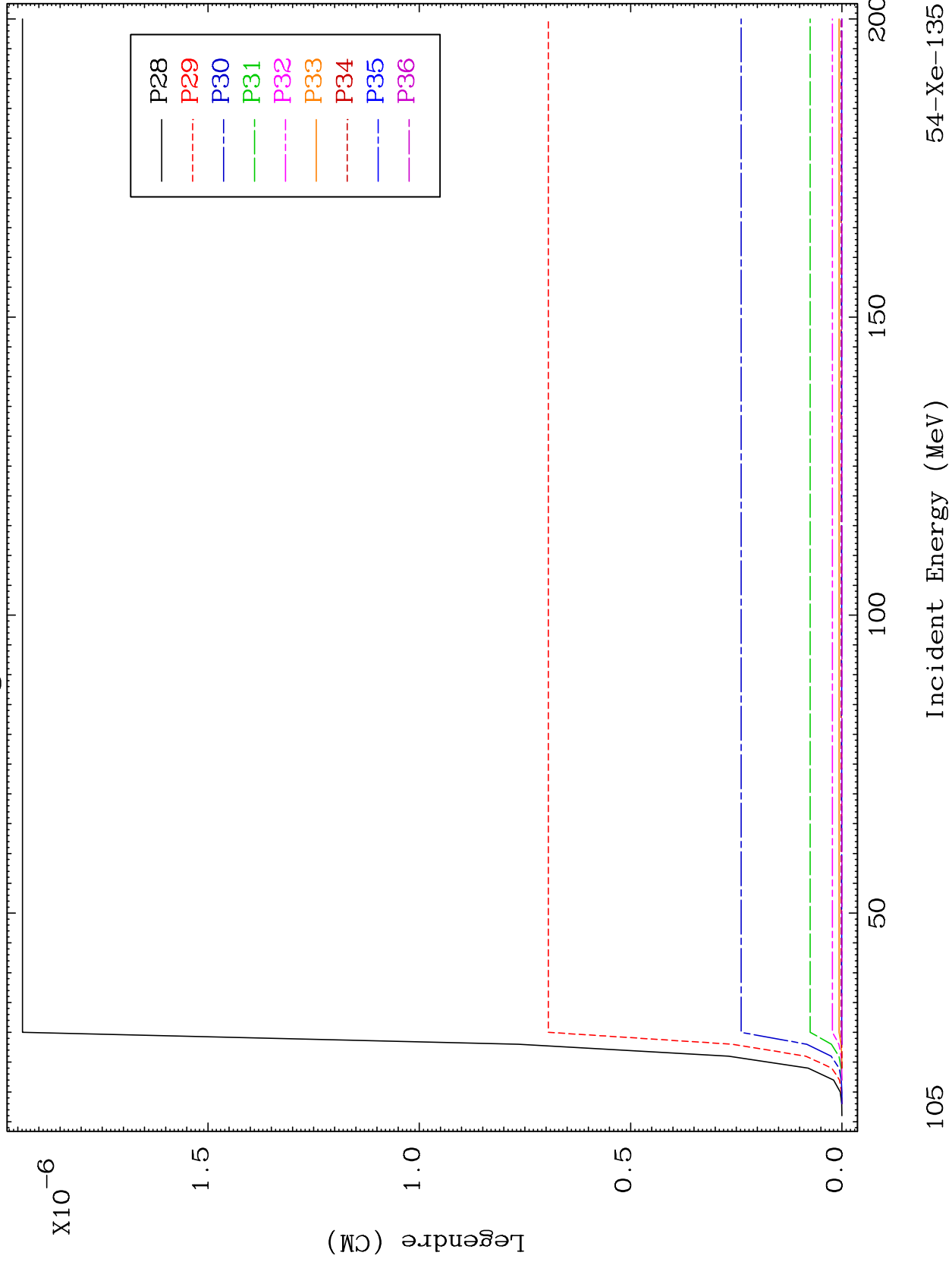
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

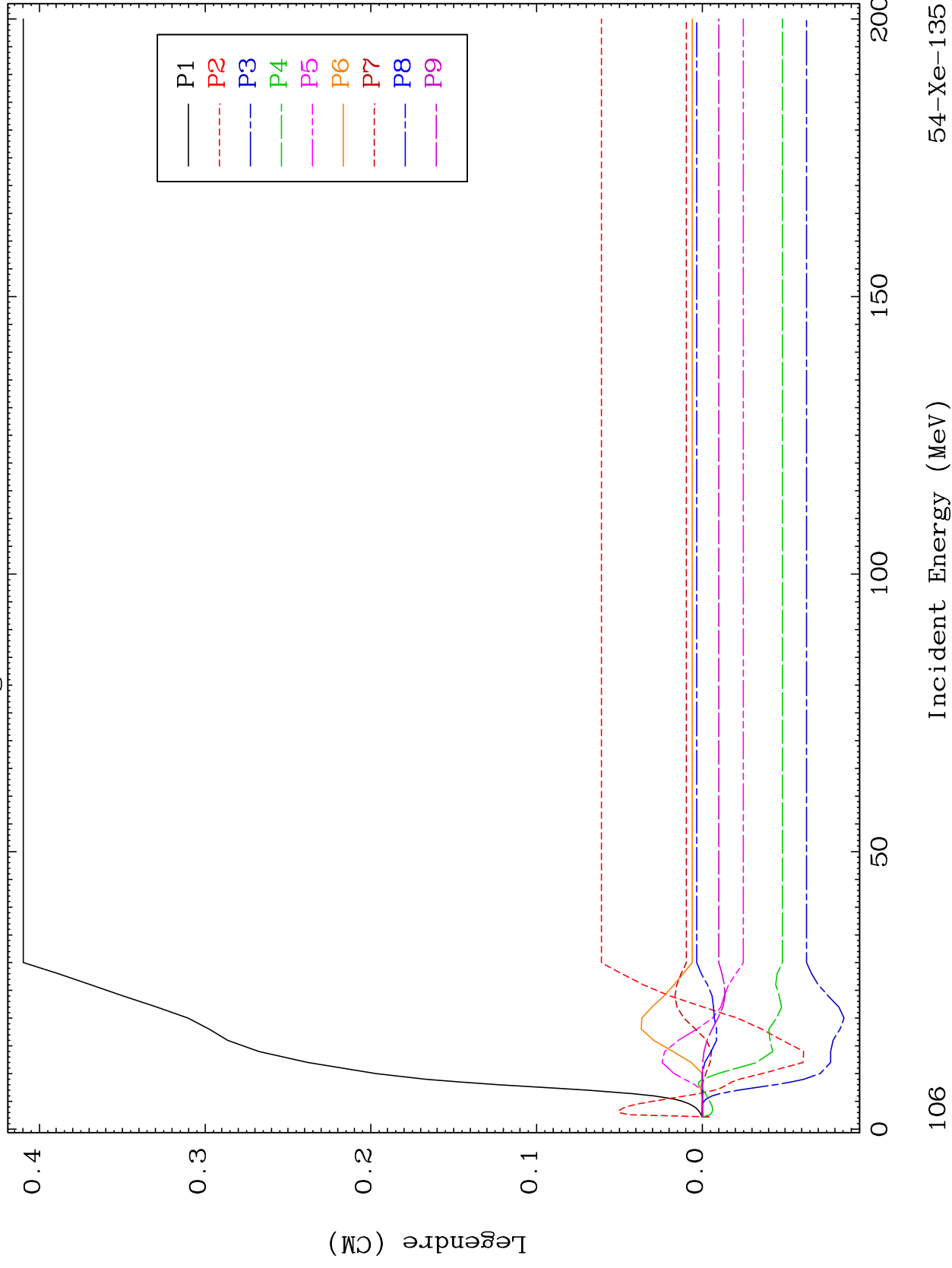
54-Xe-135



MAT 5458

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

54-Xe-135



54-Xe-135

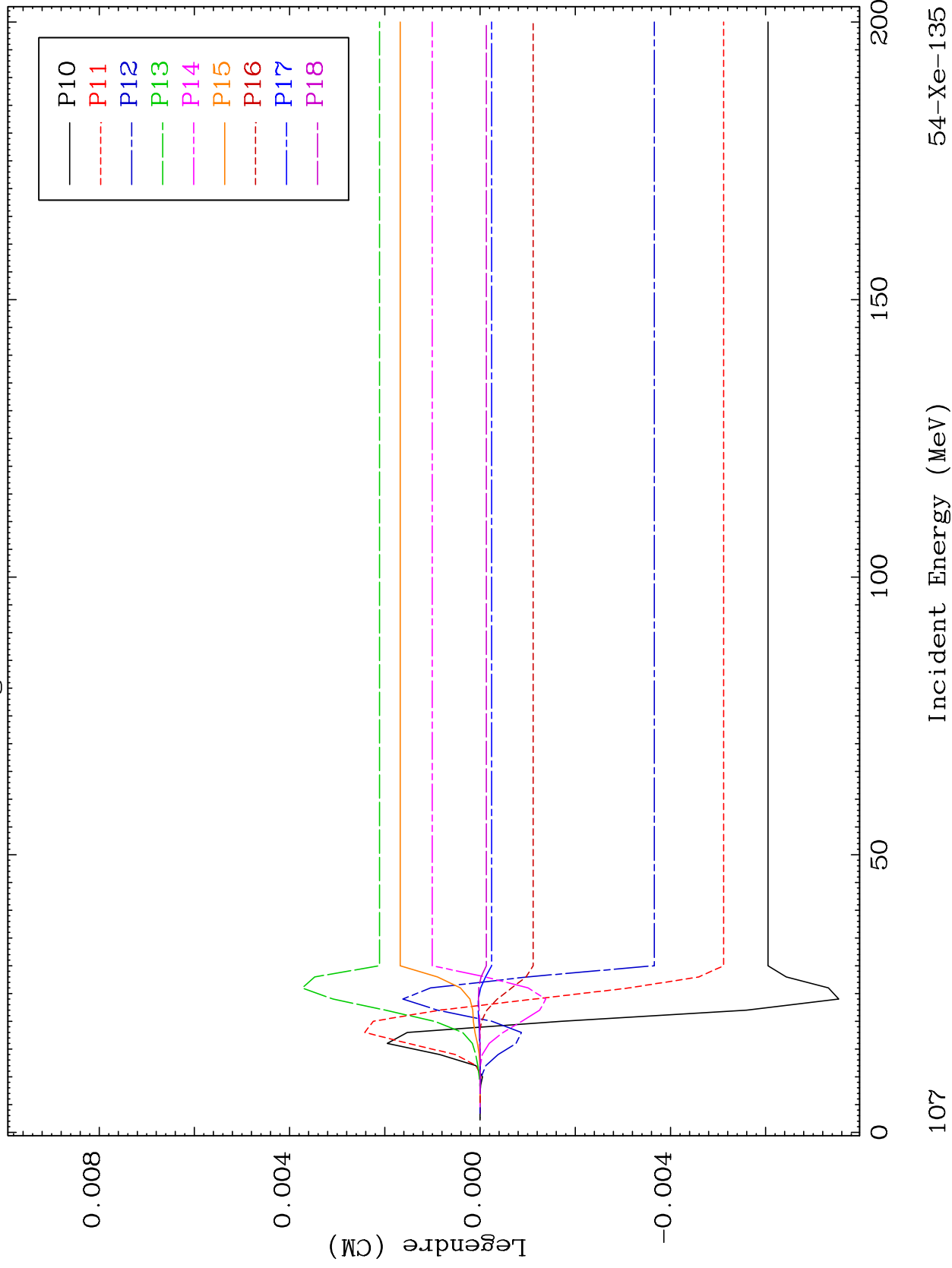
Incident Energy (MeV)

106

MAT 5458

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

54-Xe-135



107

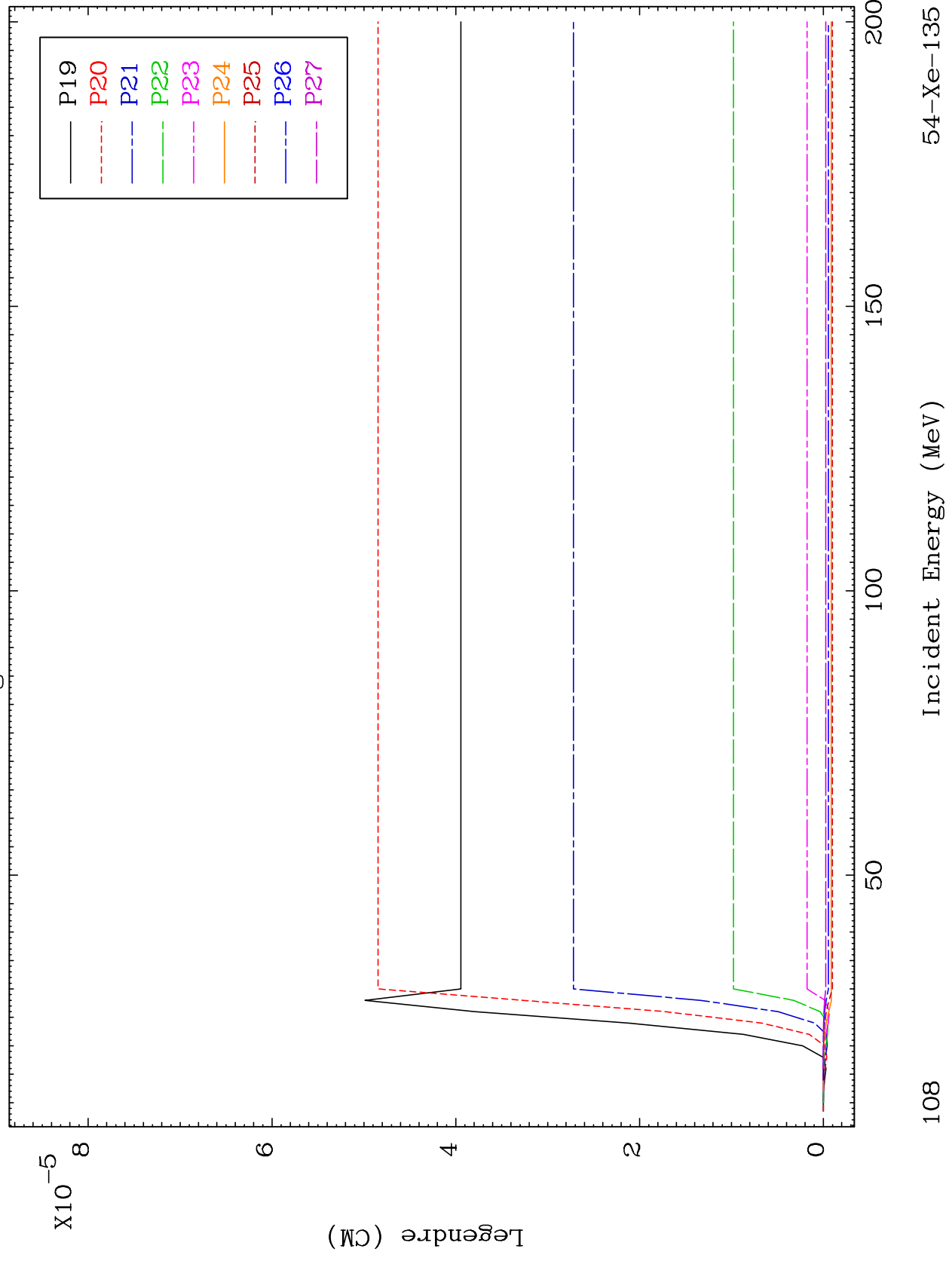
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



108

Incident Energy (MeV)

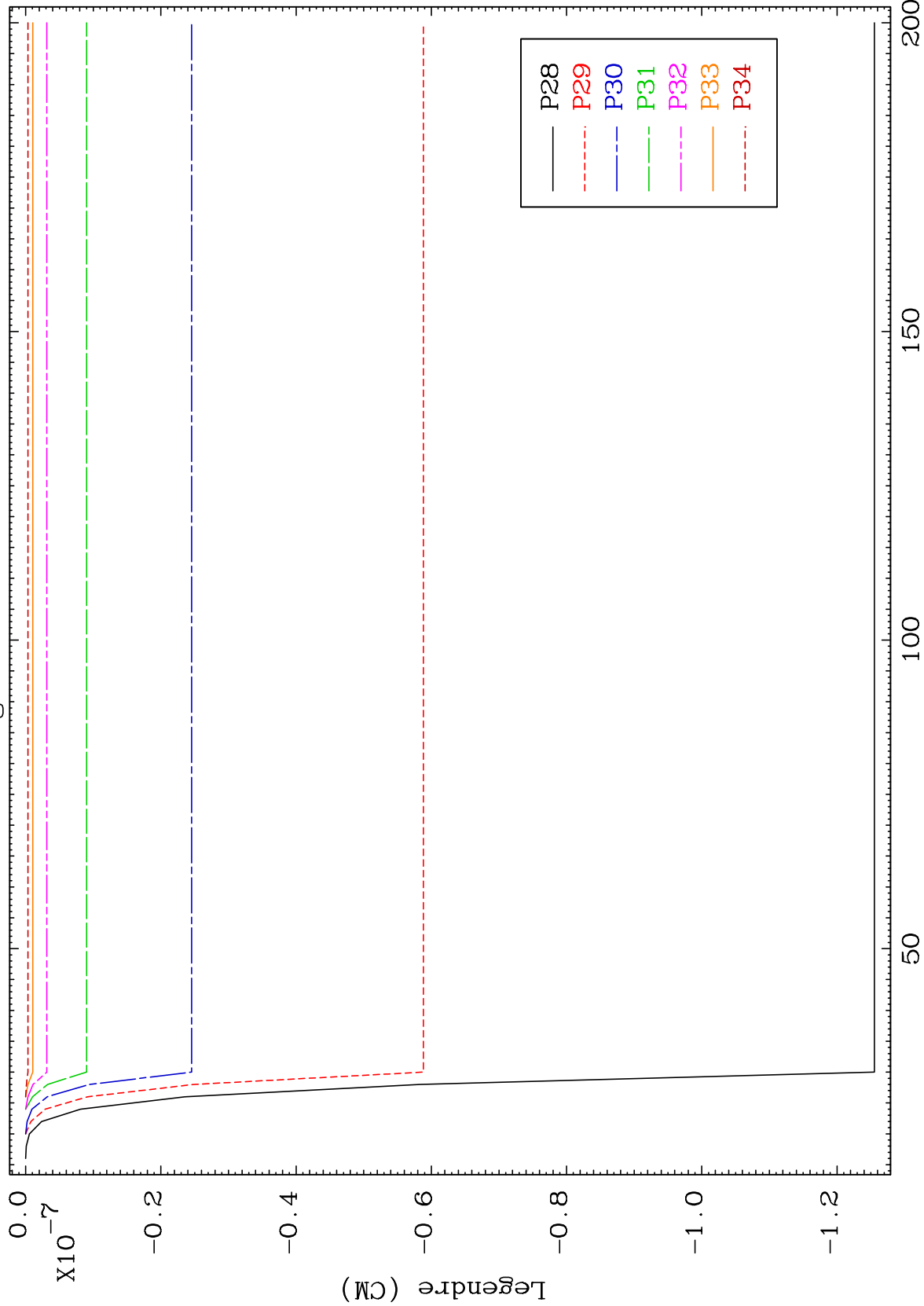
54-Xe-135

MAT 5458

MT= 73 (n,n') Level

54-Xe-135

Legendre Coefficients



109

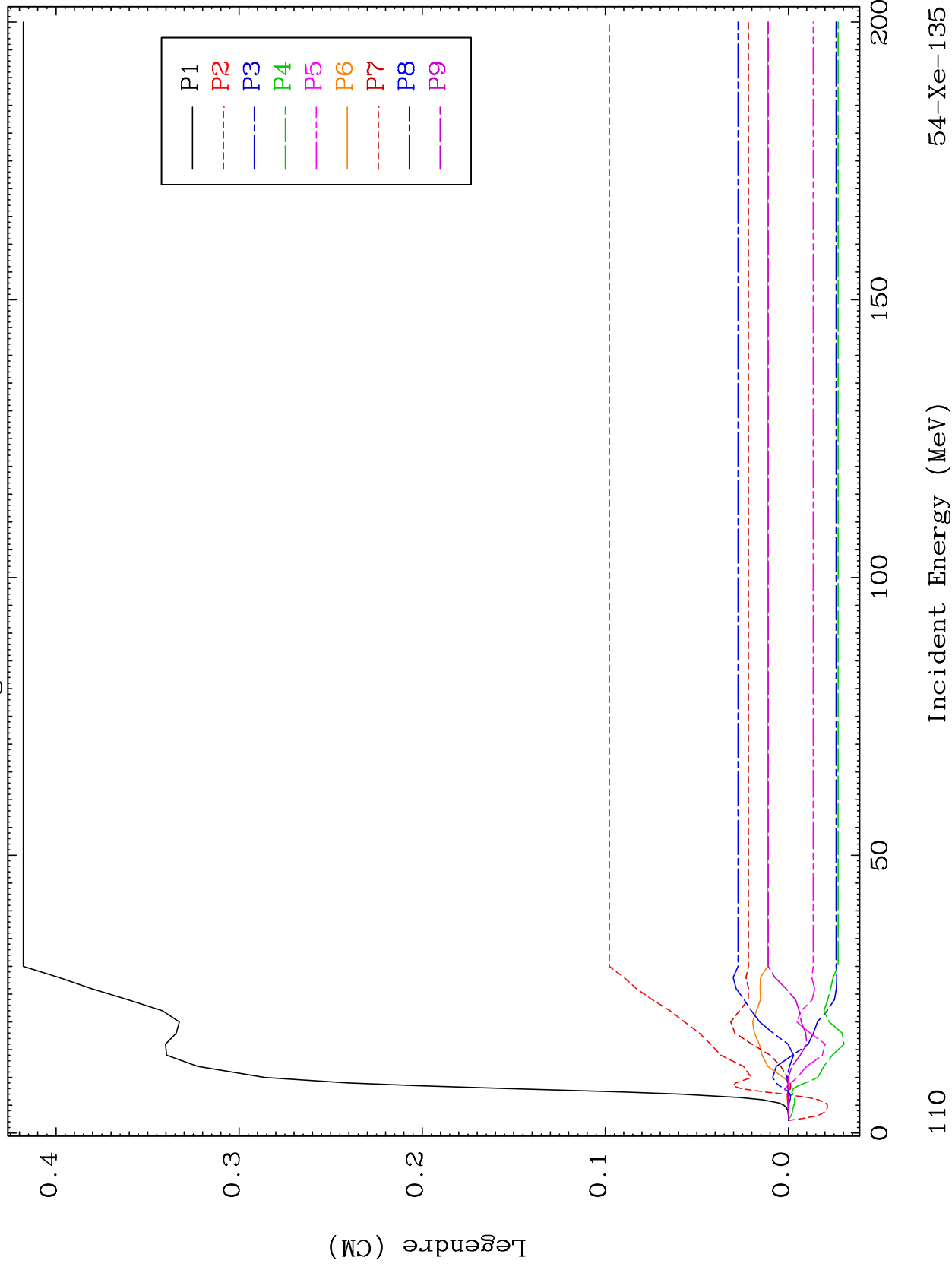
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

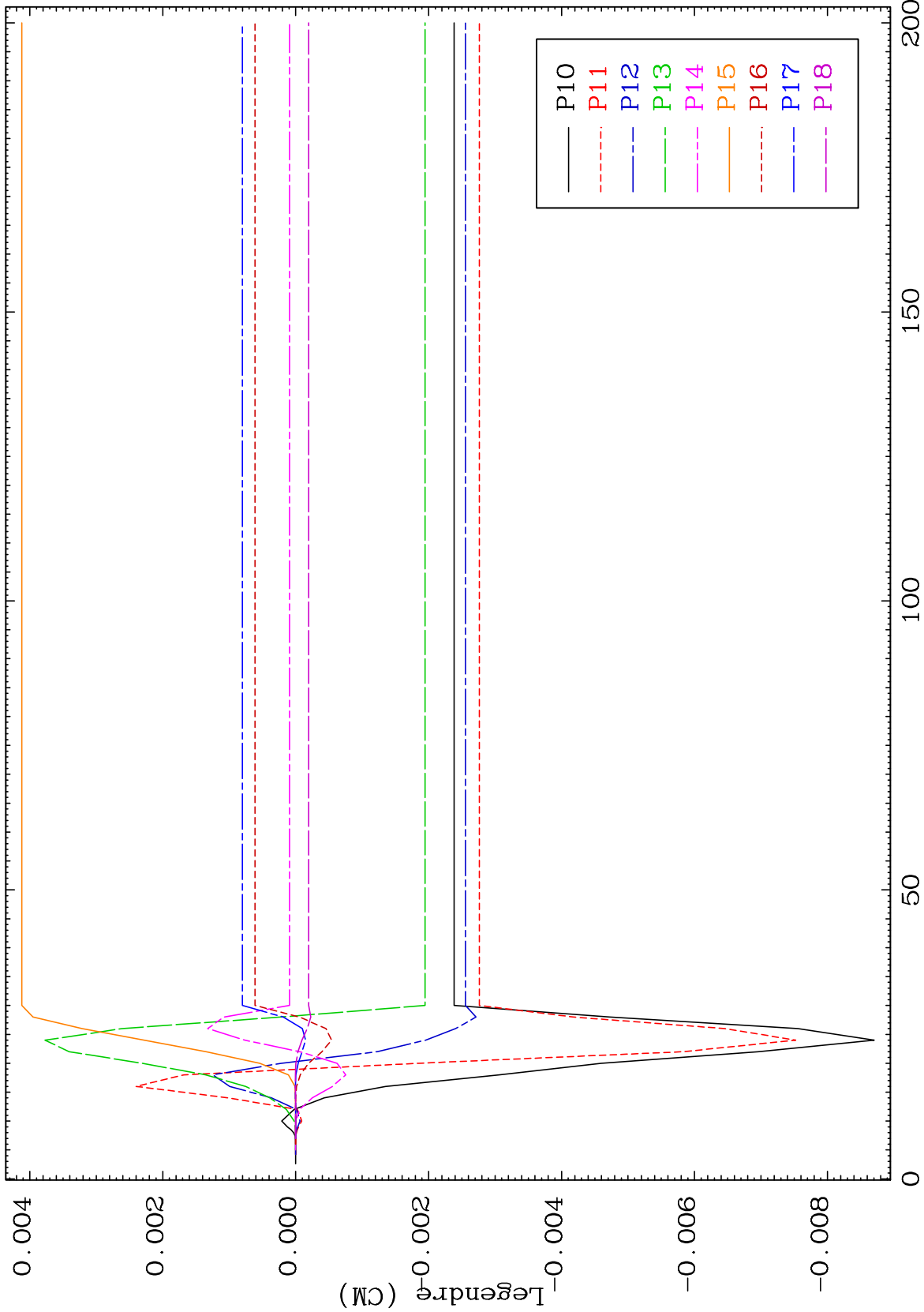
Incident Energy (MeV)

110

MAT 5458

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

54-Xe-135



111

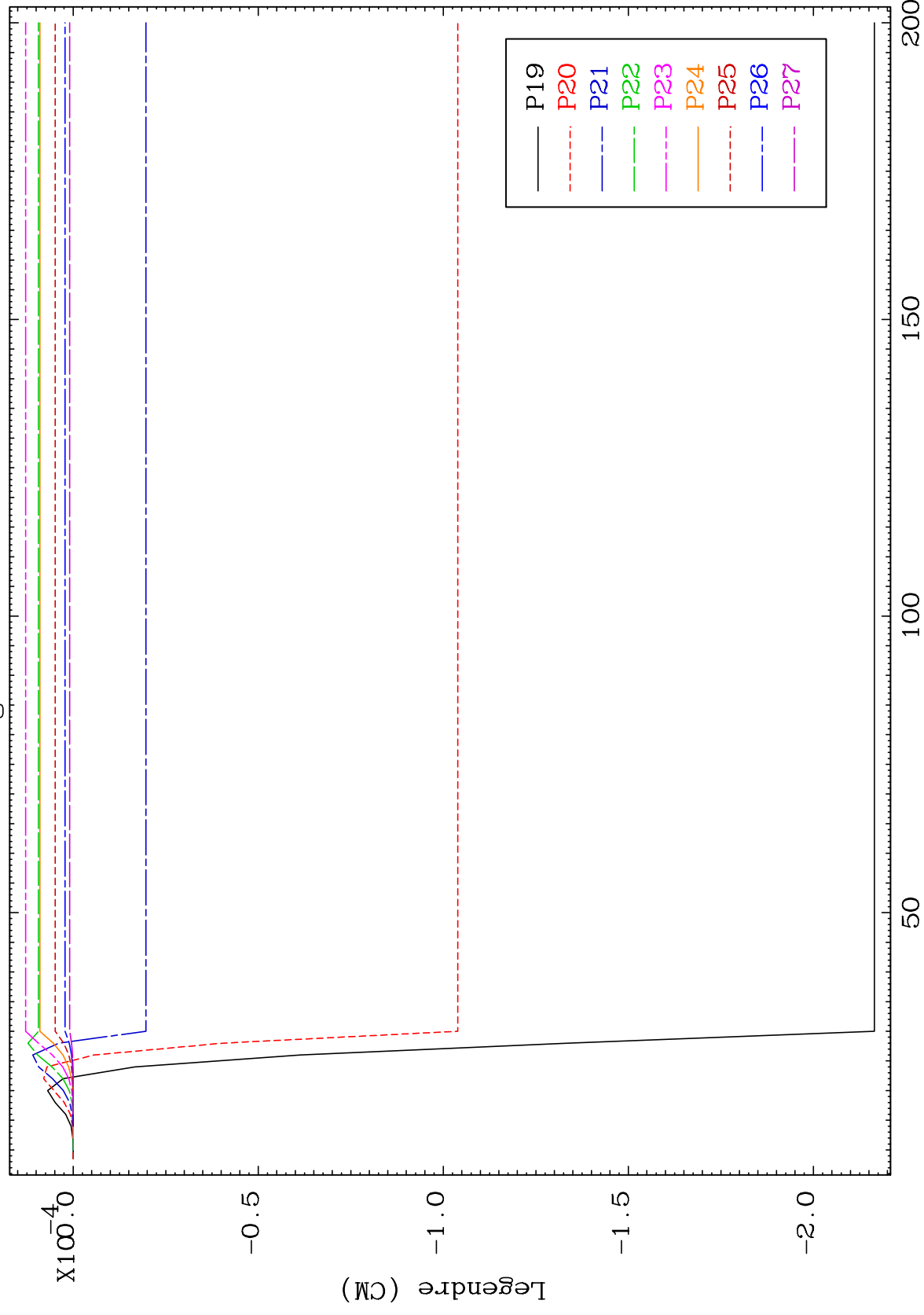
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



112

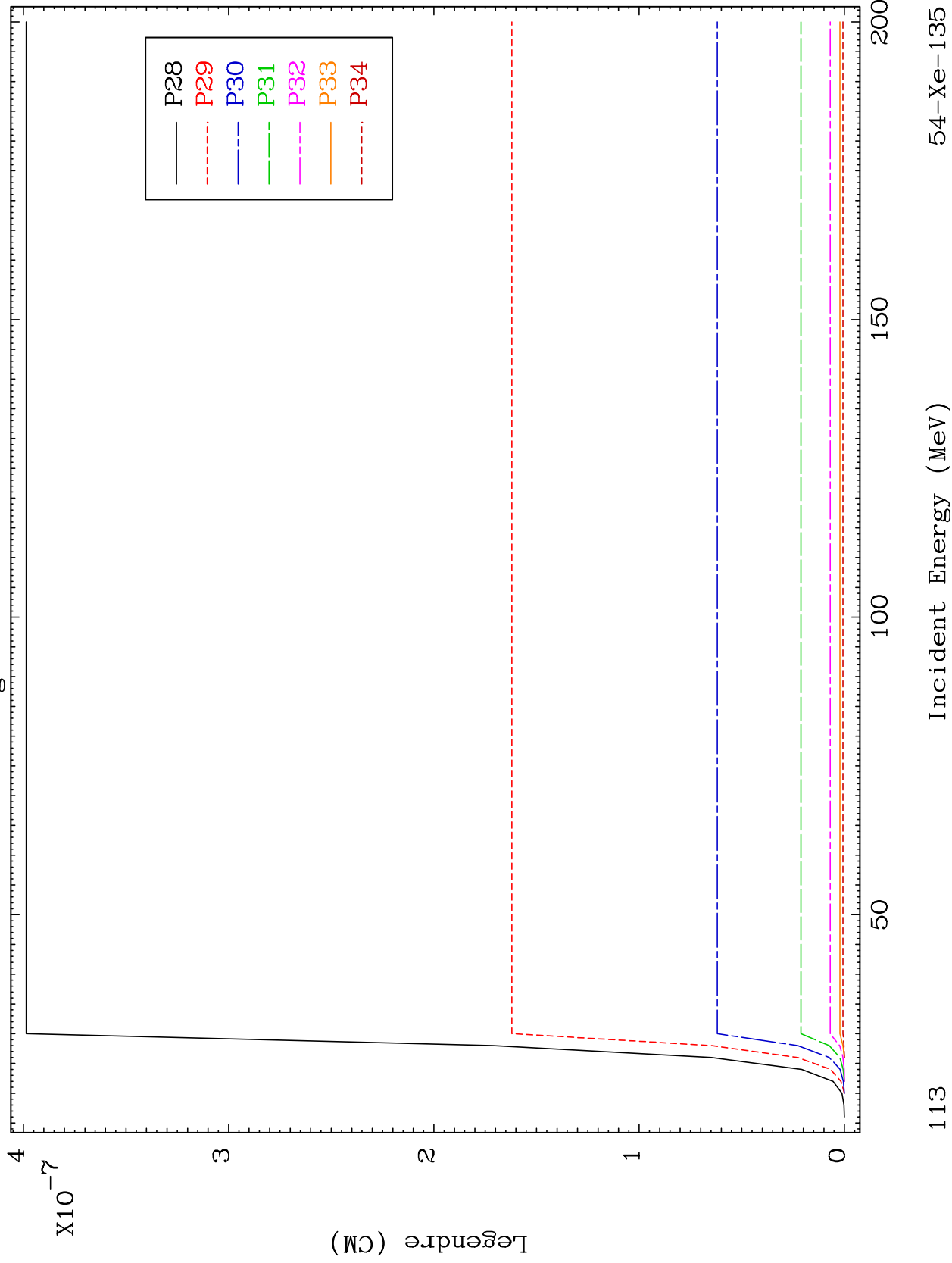
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

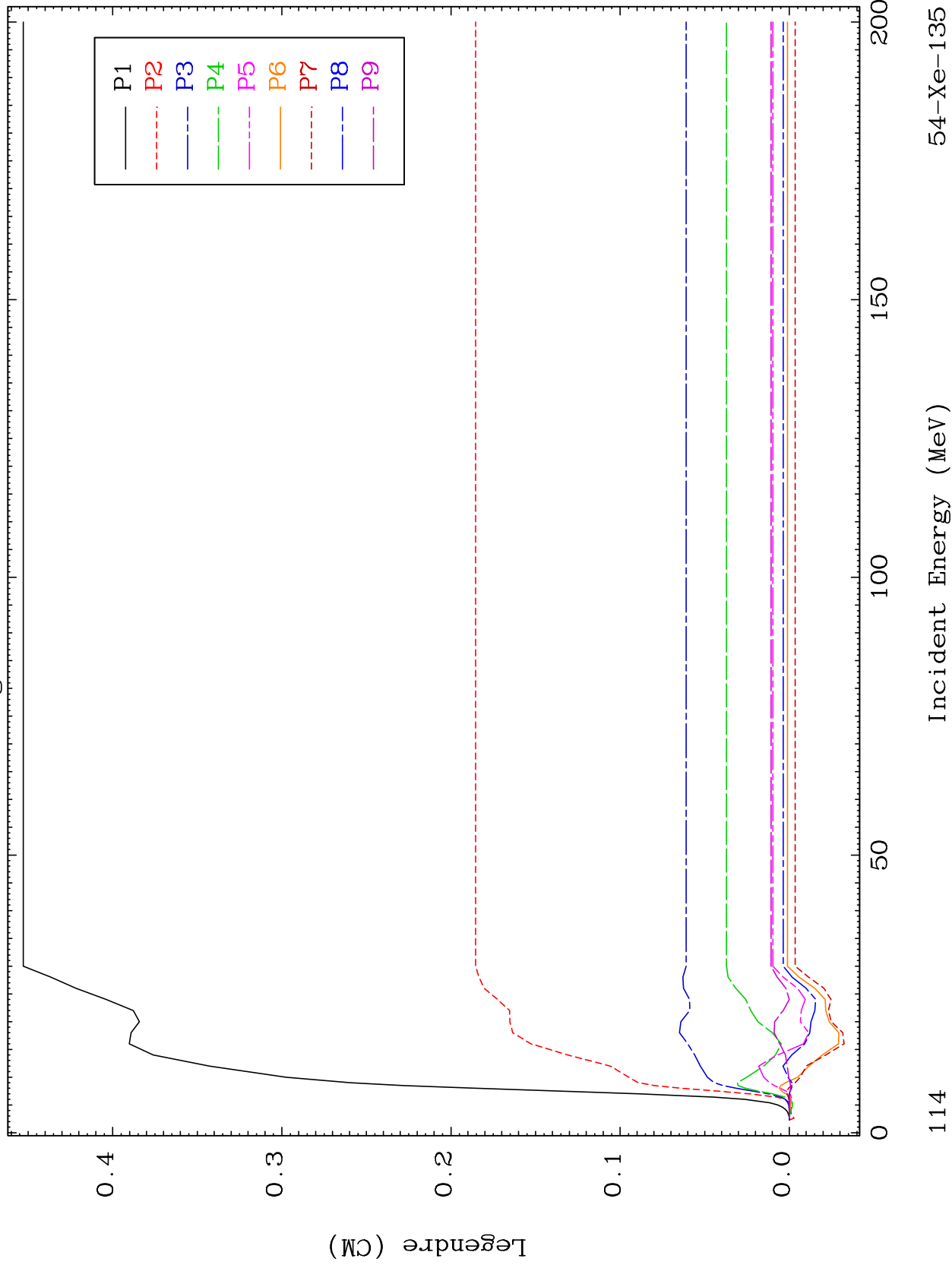
54-Xe-135



MAT 5458

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

54-Xe-135



114

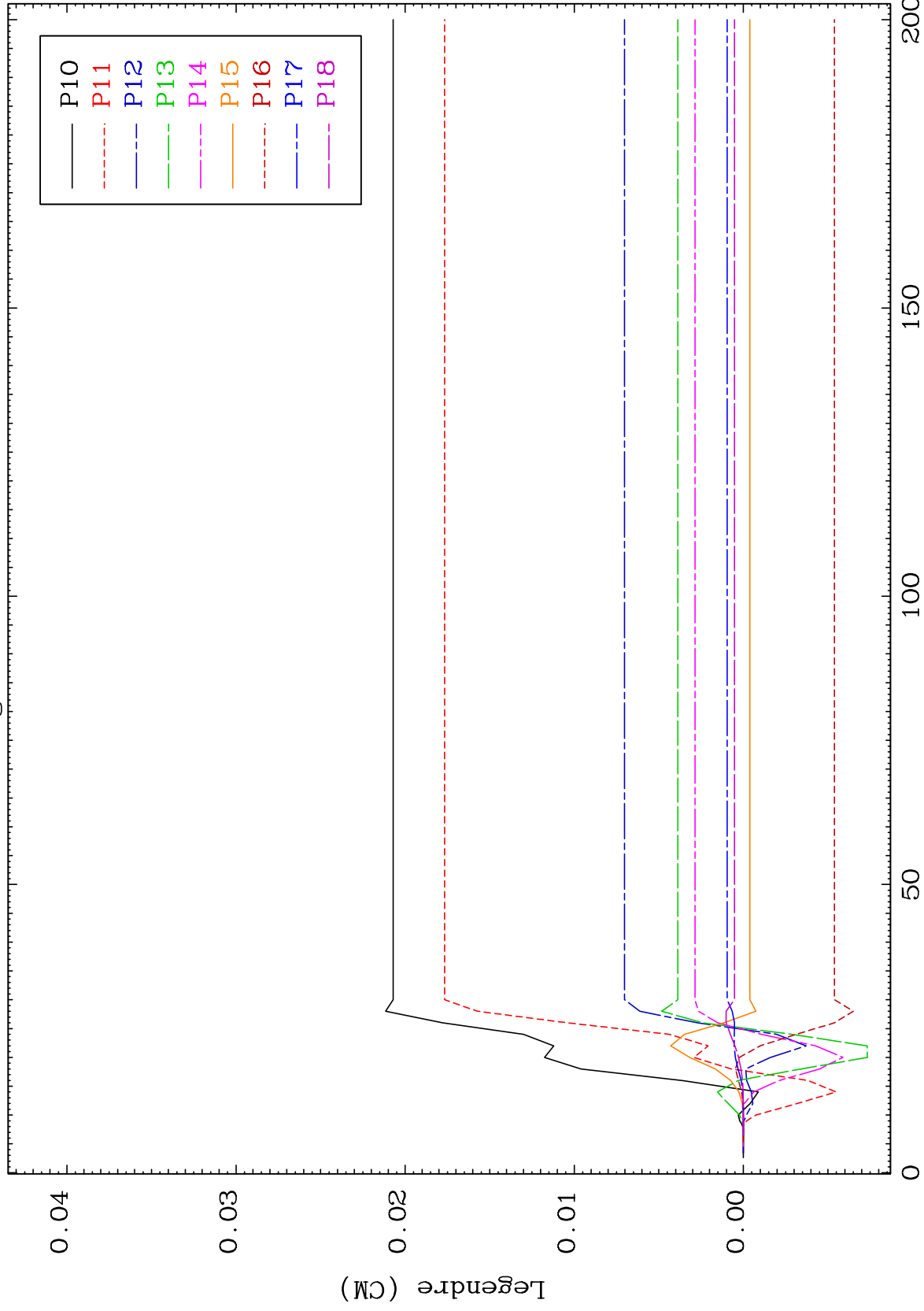
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



115

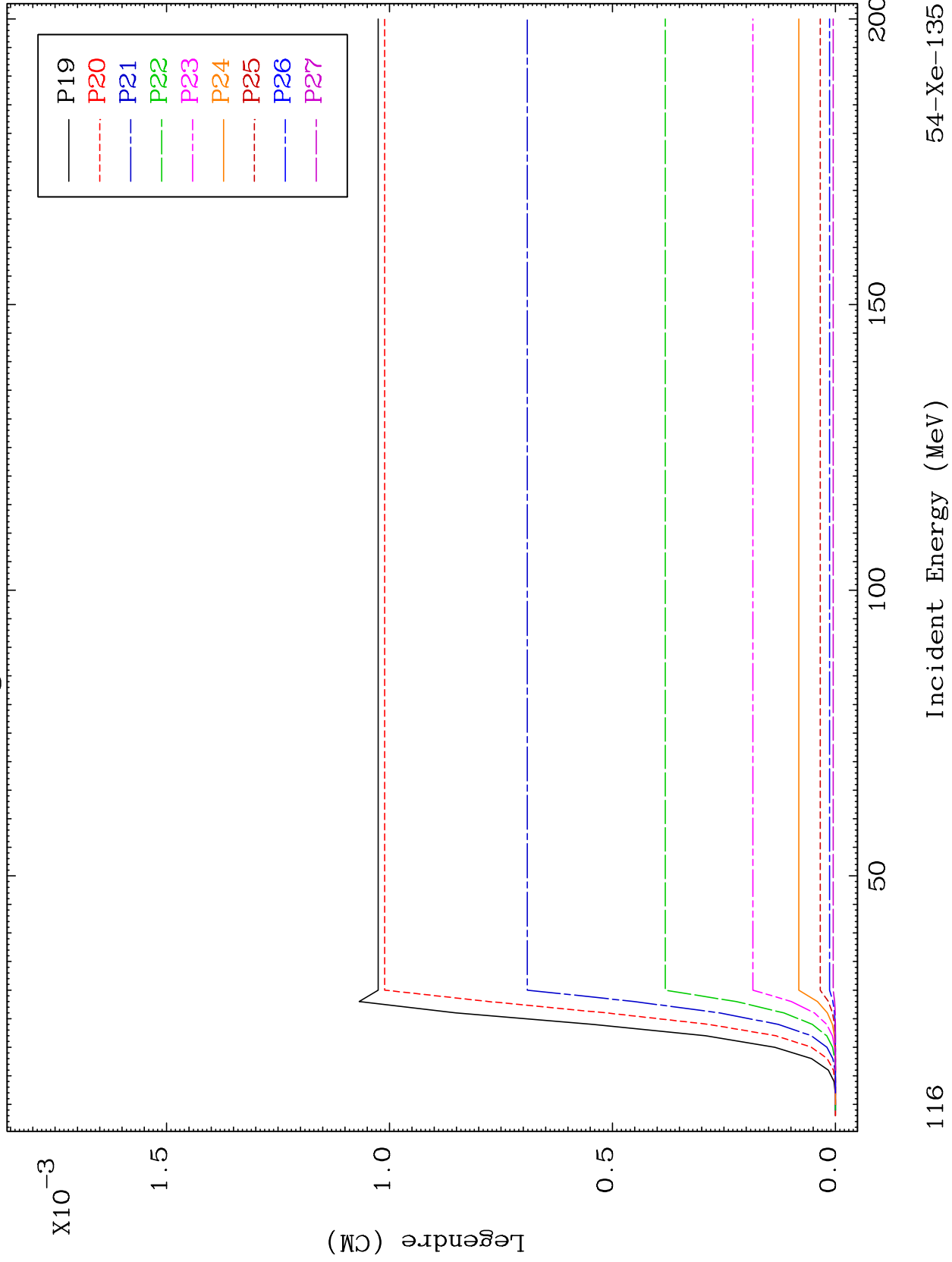
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



116

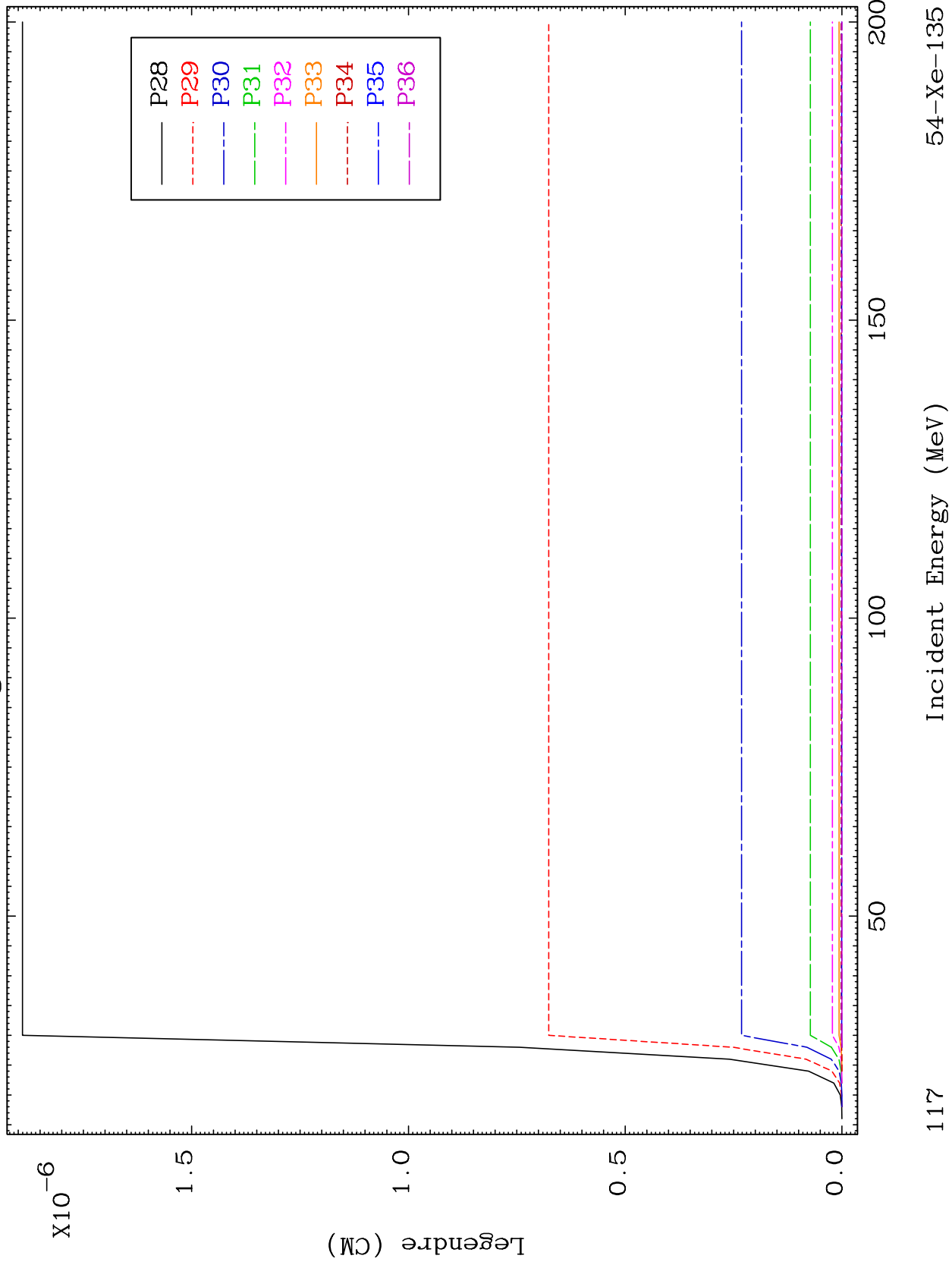
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135

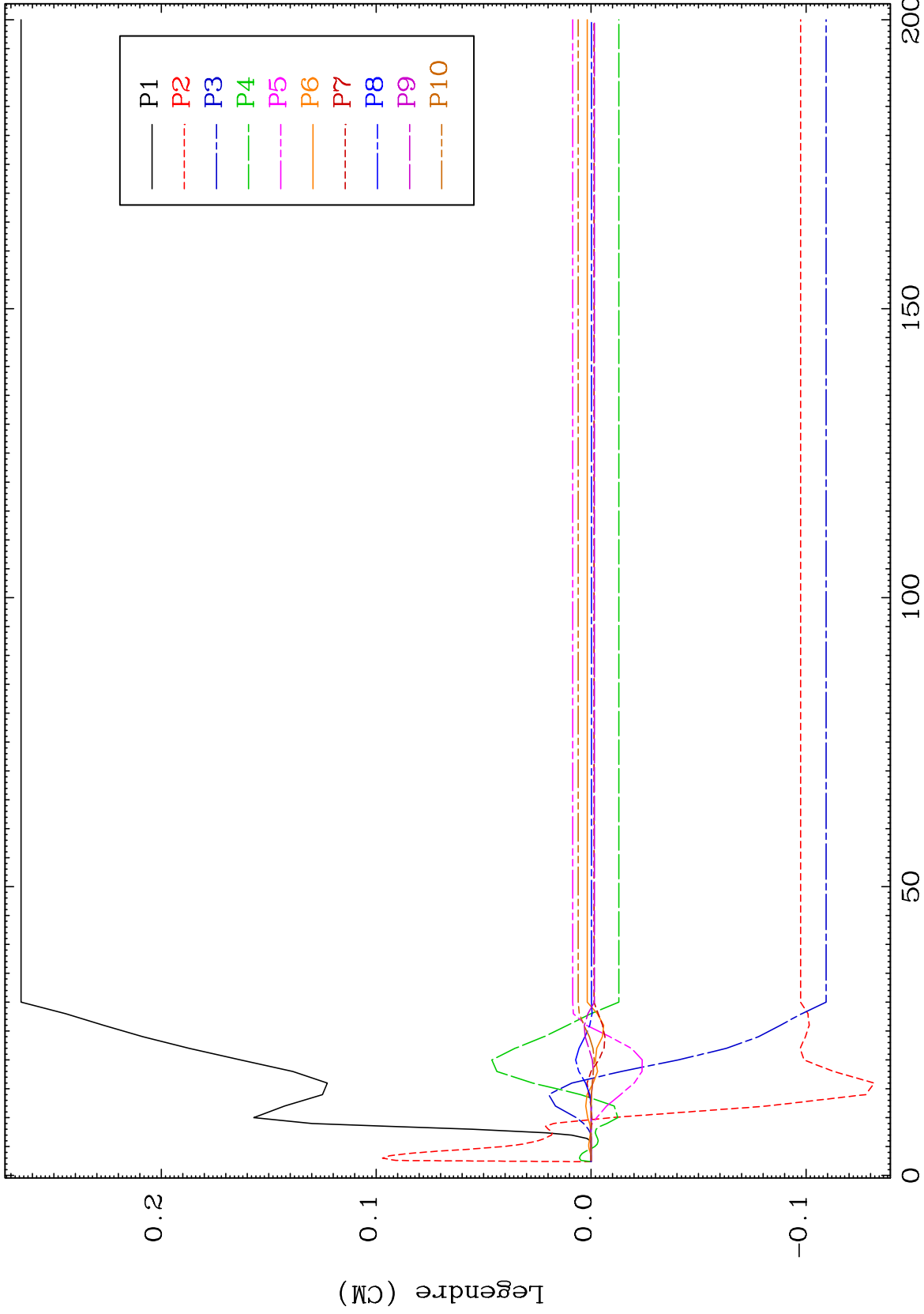


117

MAT 5458

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

54-Xe-135



118

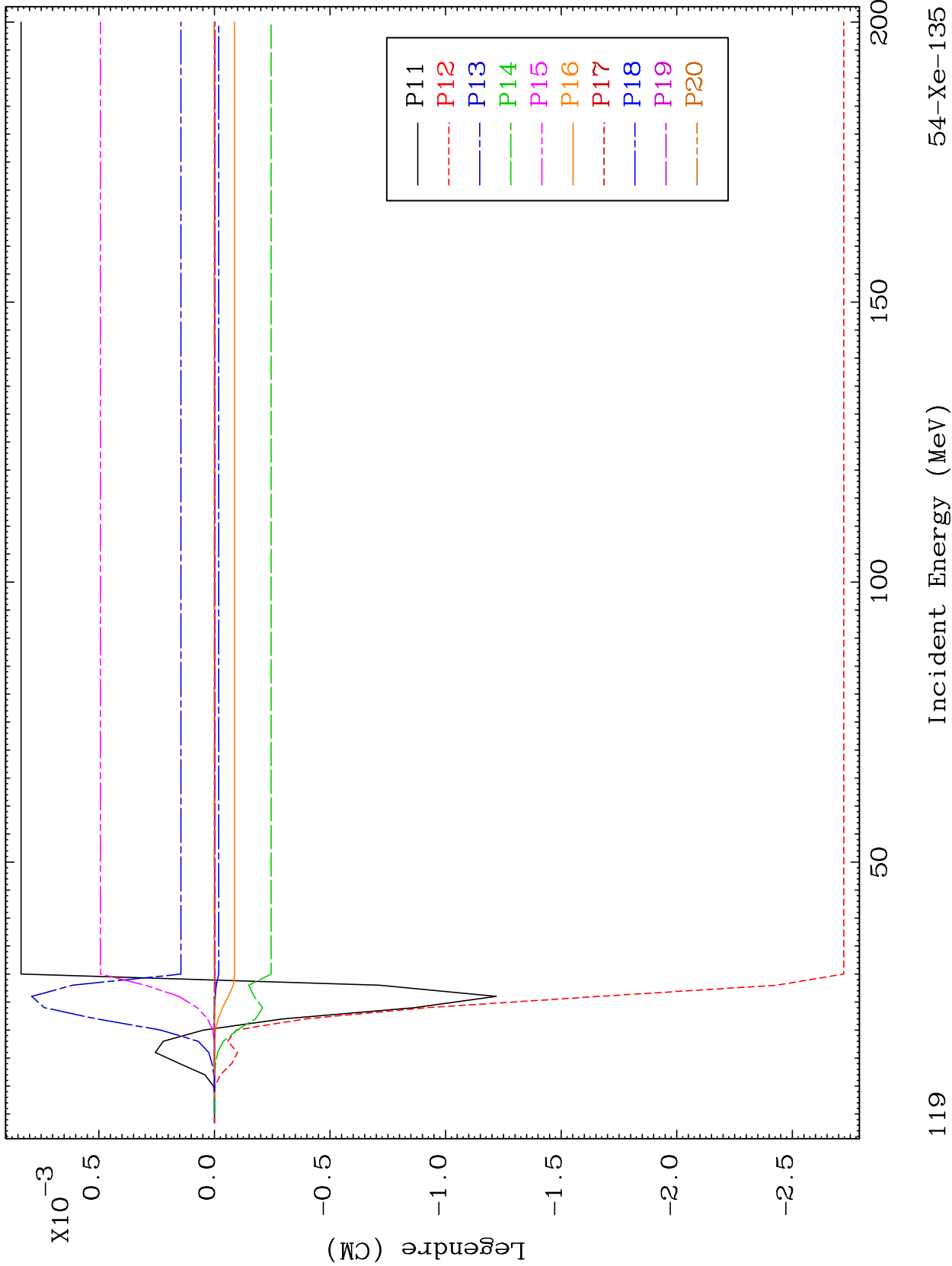
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



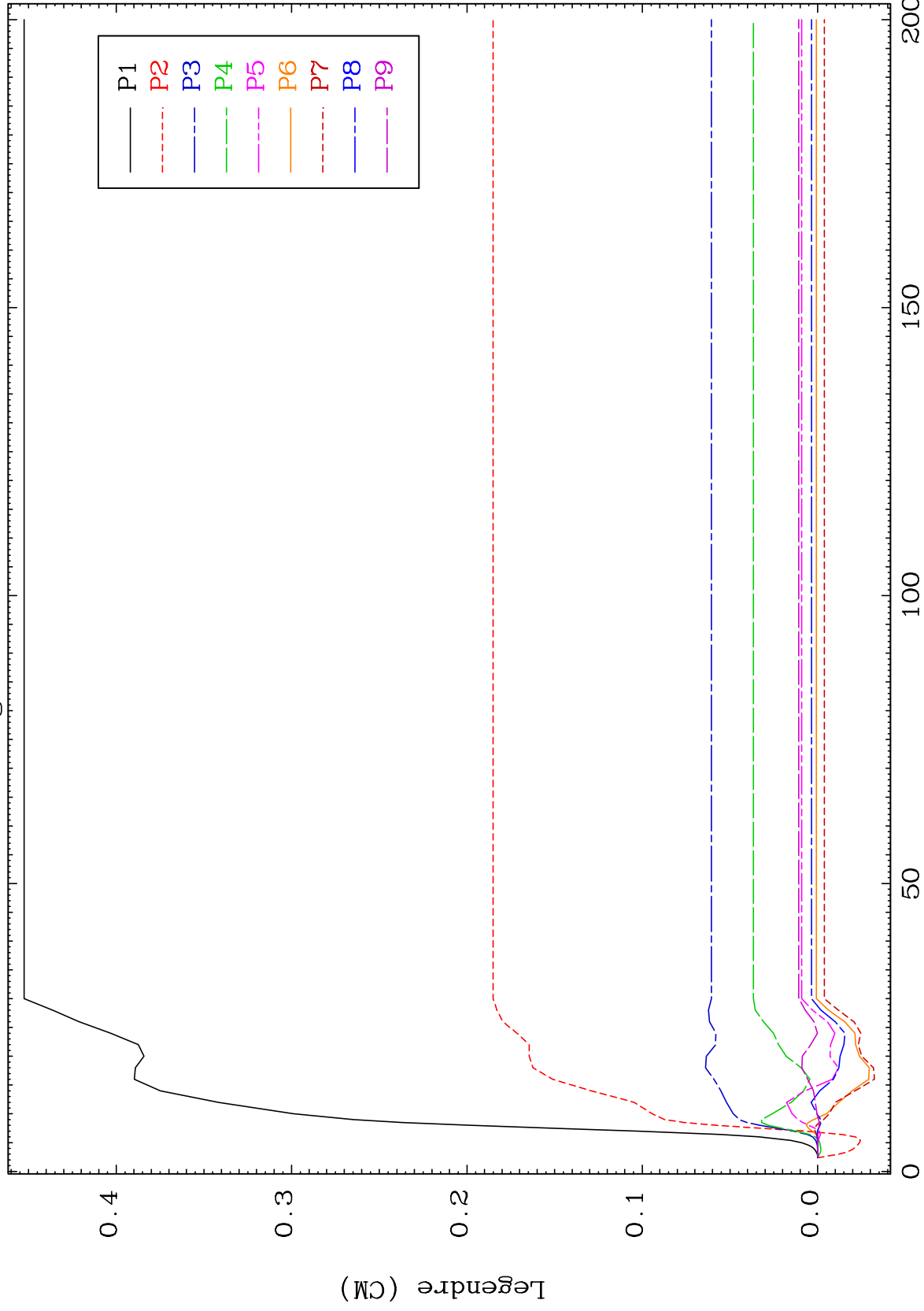
119

54-Xe-135

MAT 5458

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

54-Xe-135



54-Xe-135

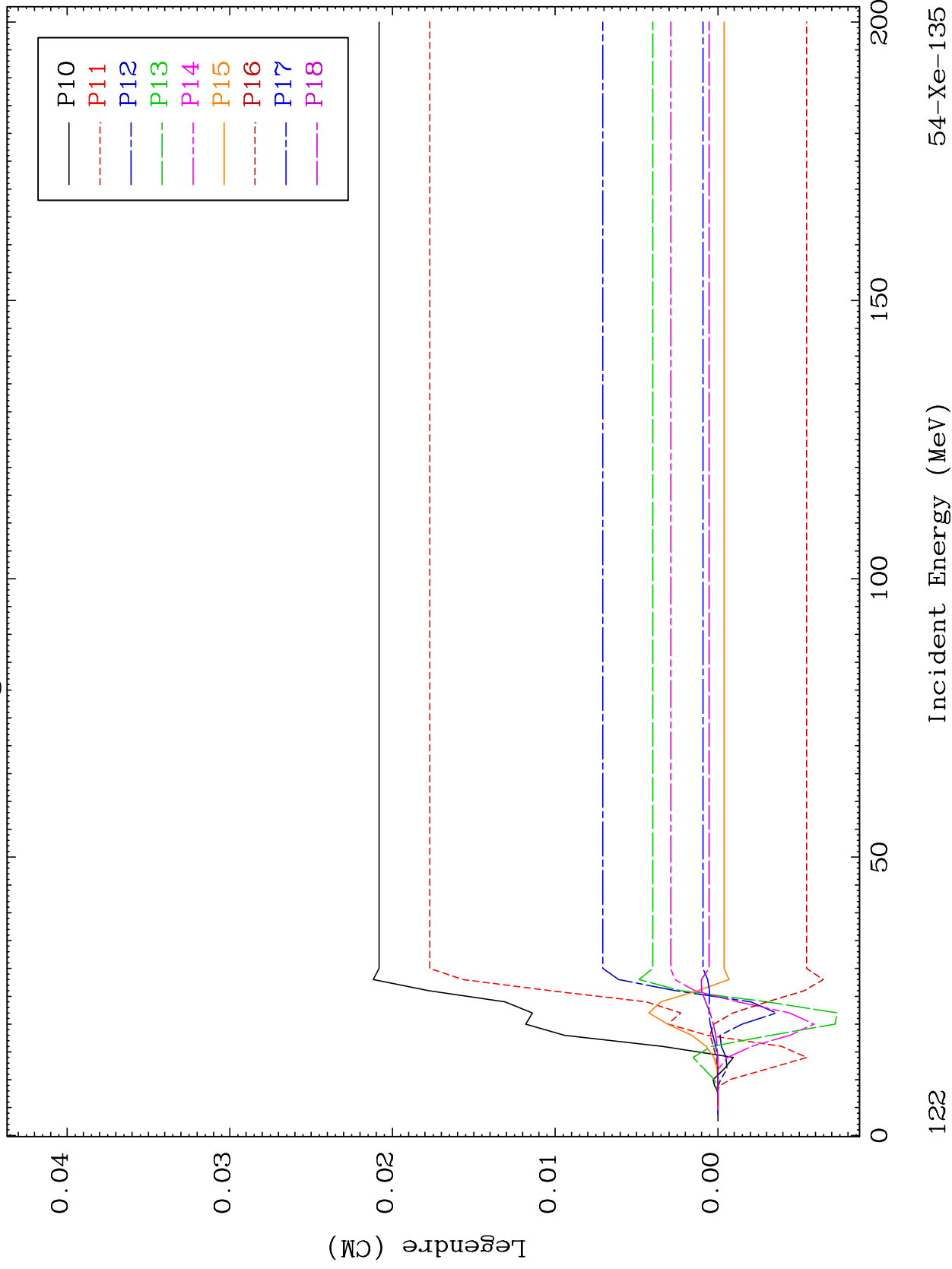
Incident Energy (MeV)

121

MAT 5458

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

54-Xe-135



54-Xe-135

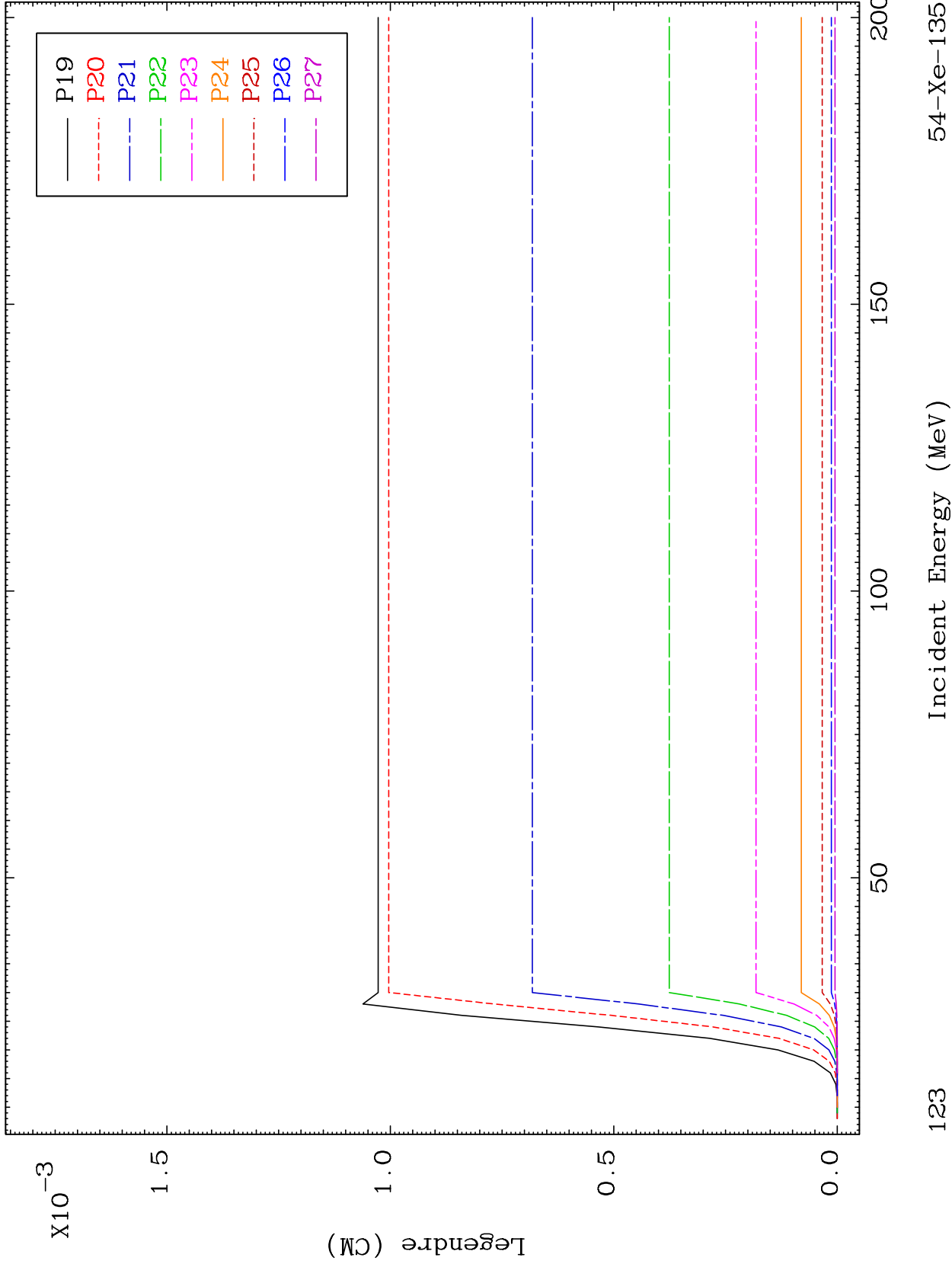
Incident Energy (MeV)

122

MAT 5458

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

54-Xe-135



123

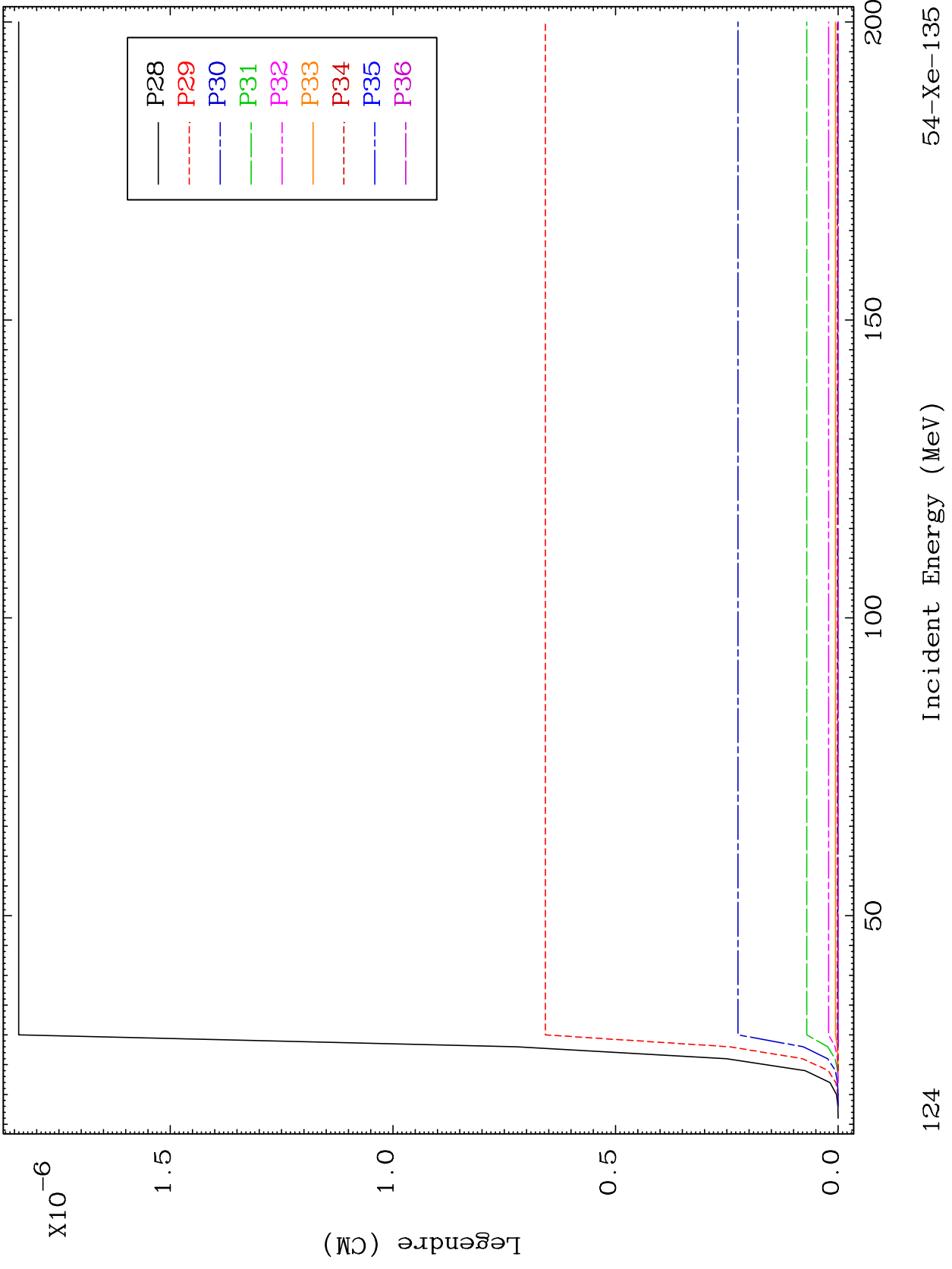
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



124

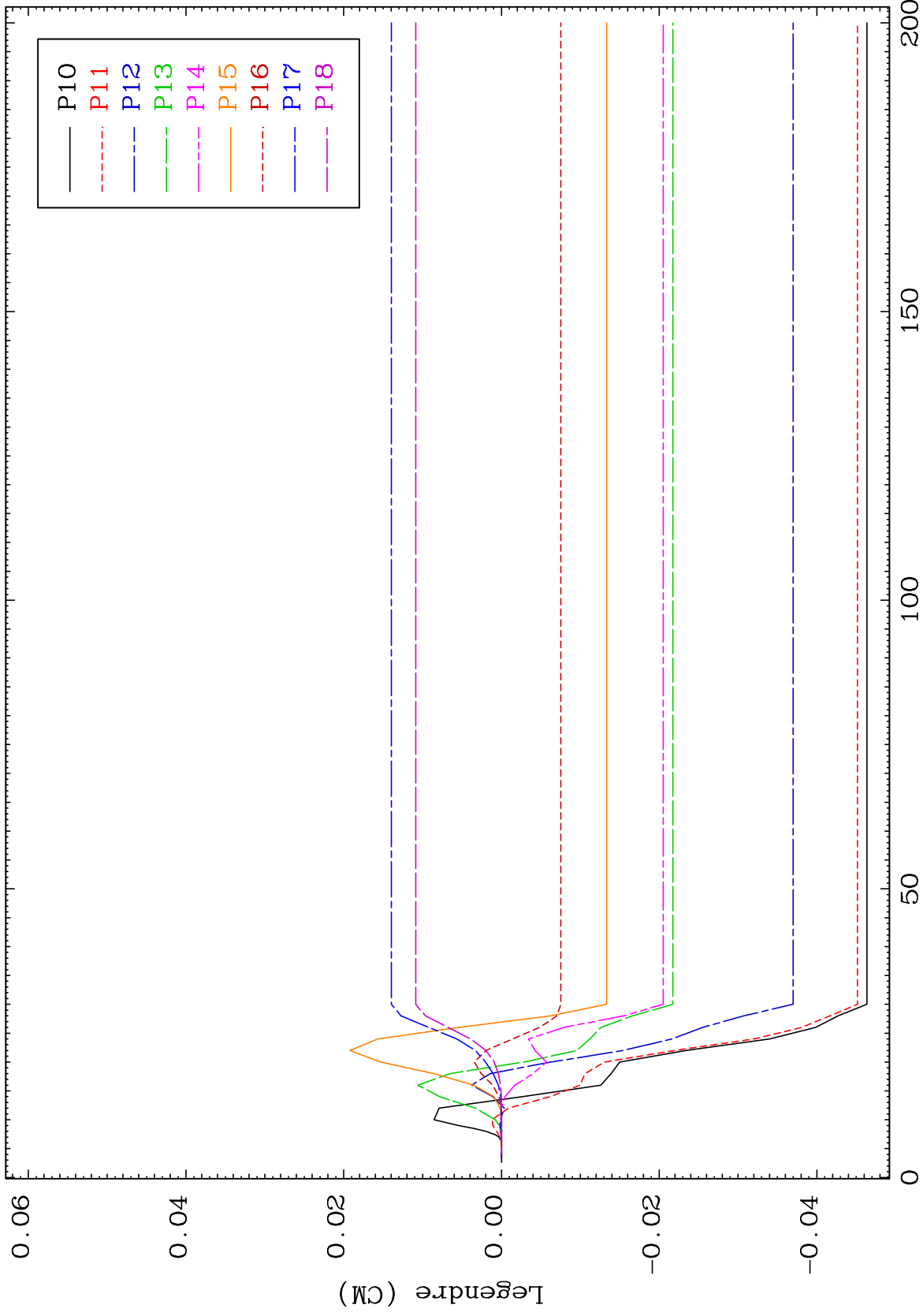
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



126

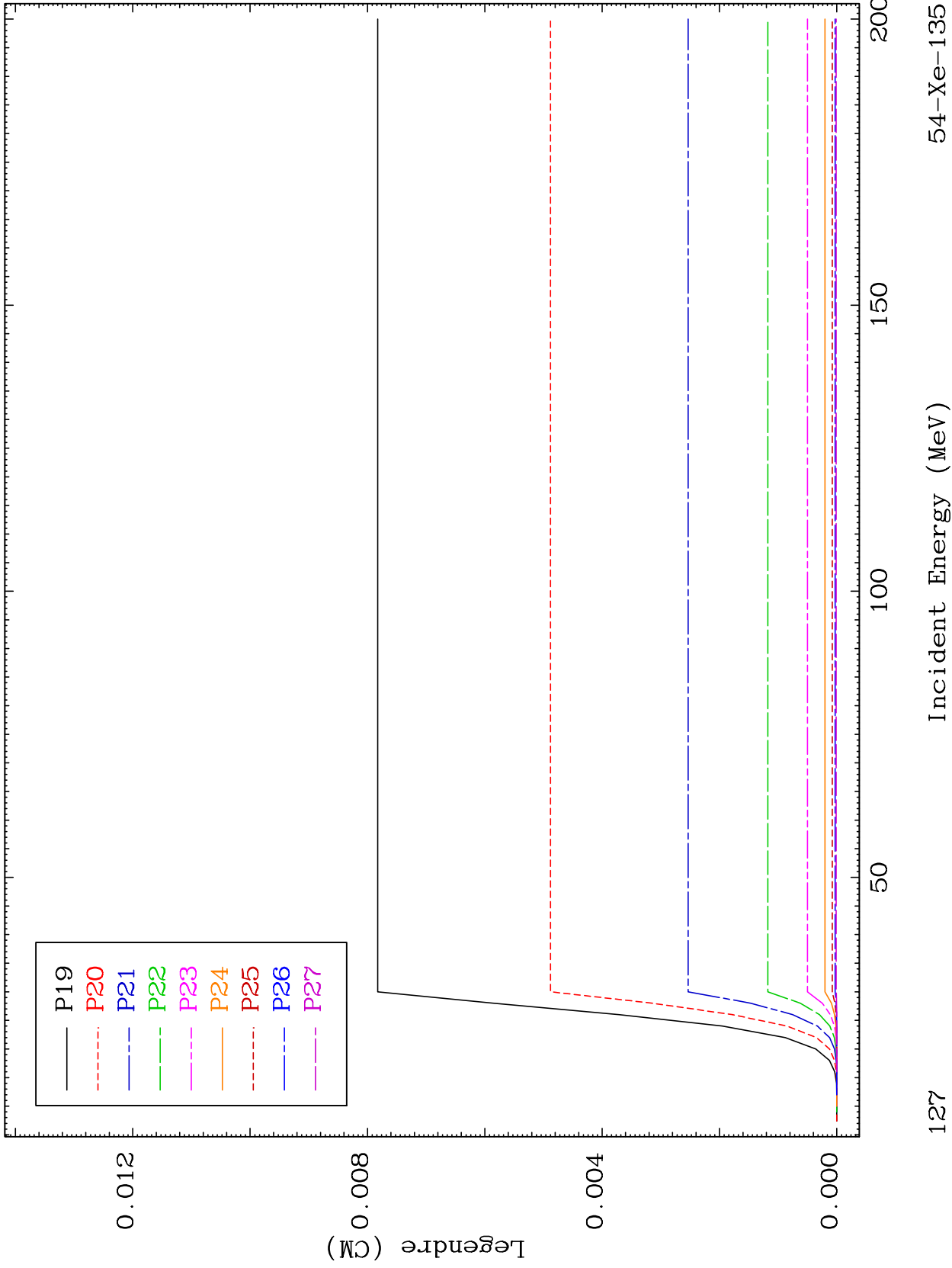
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



127

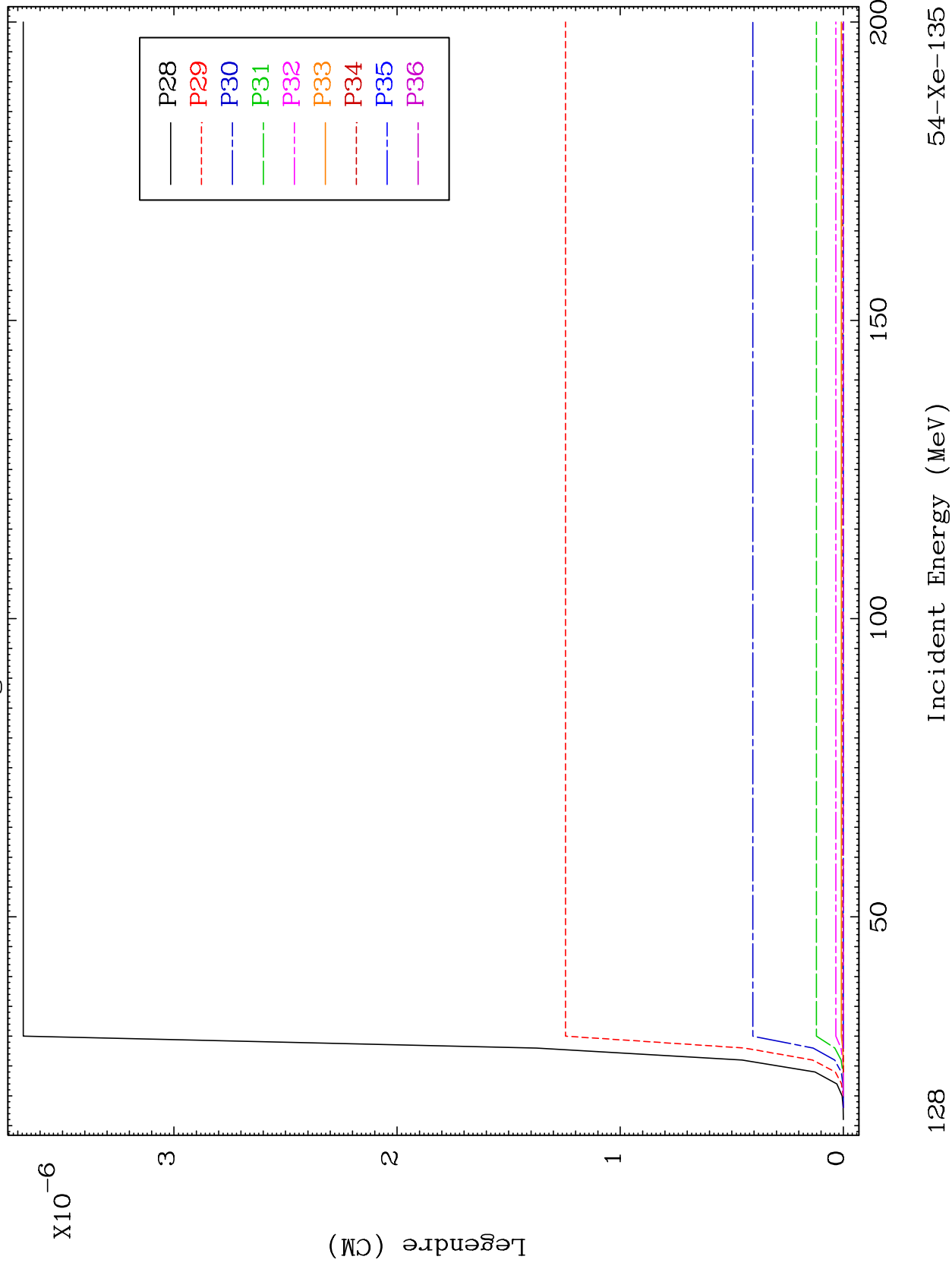
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135

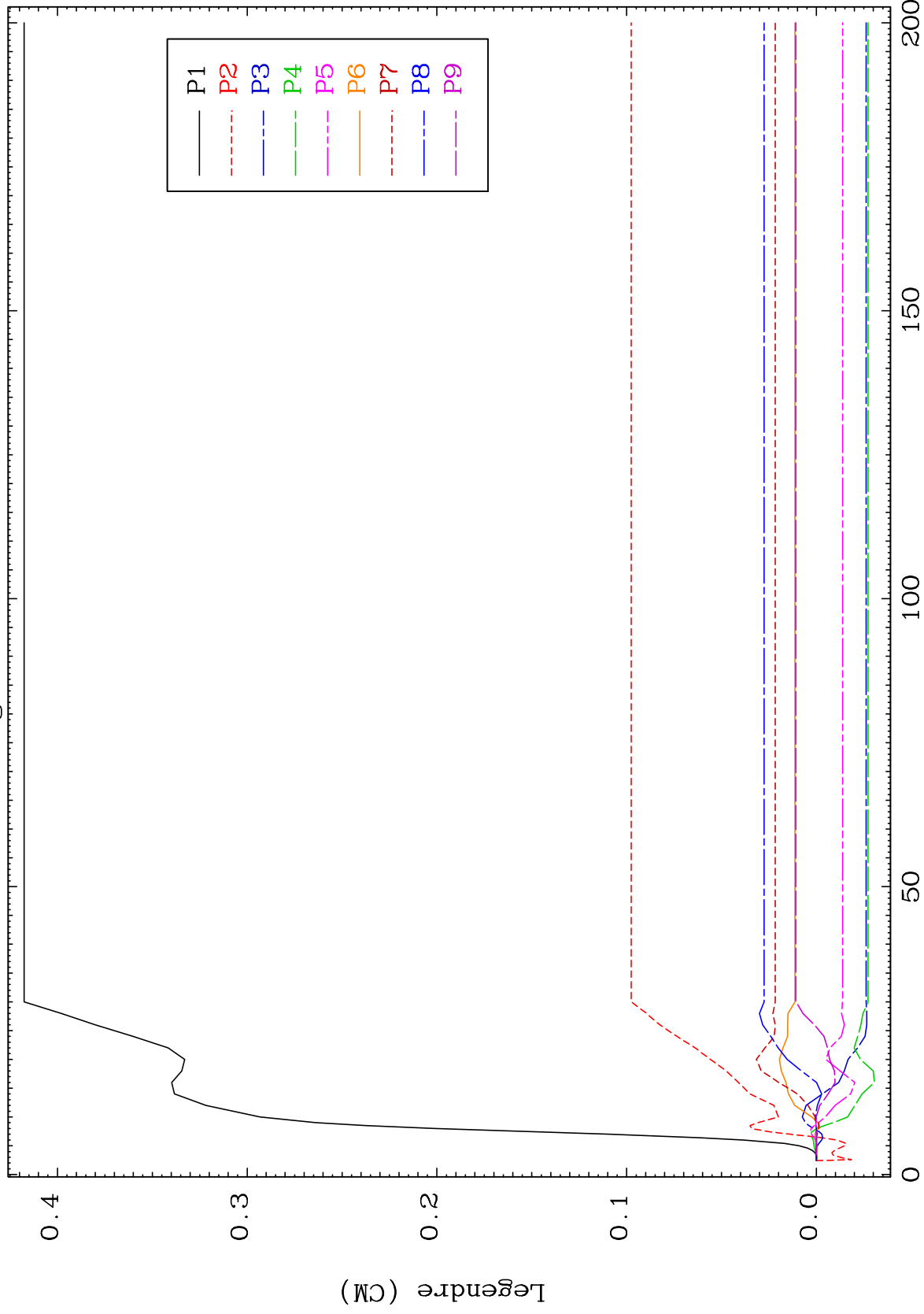


128

MAT 5458

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

54-Xe-135



129

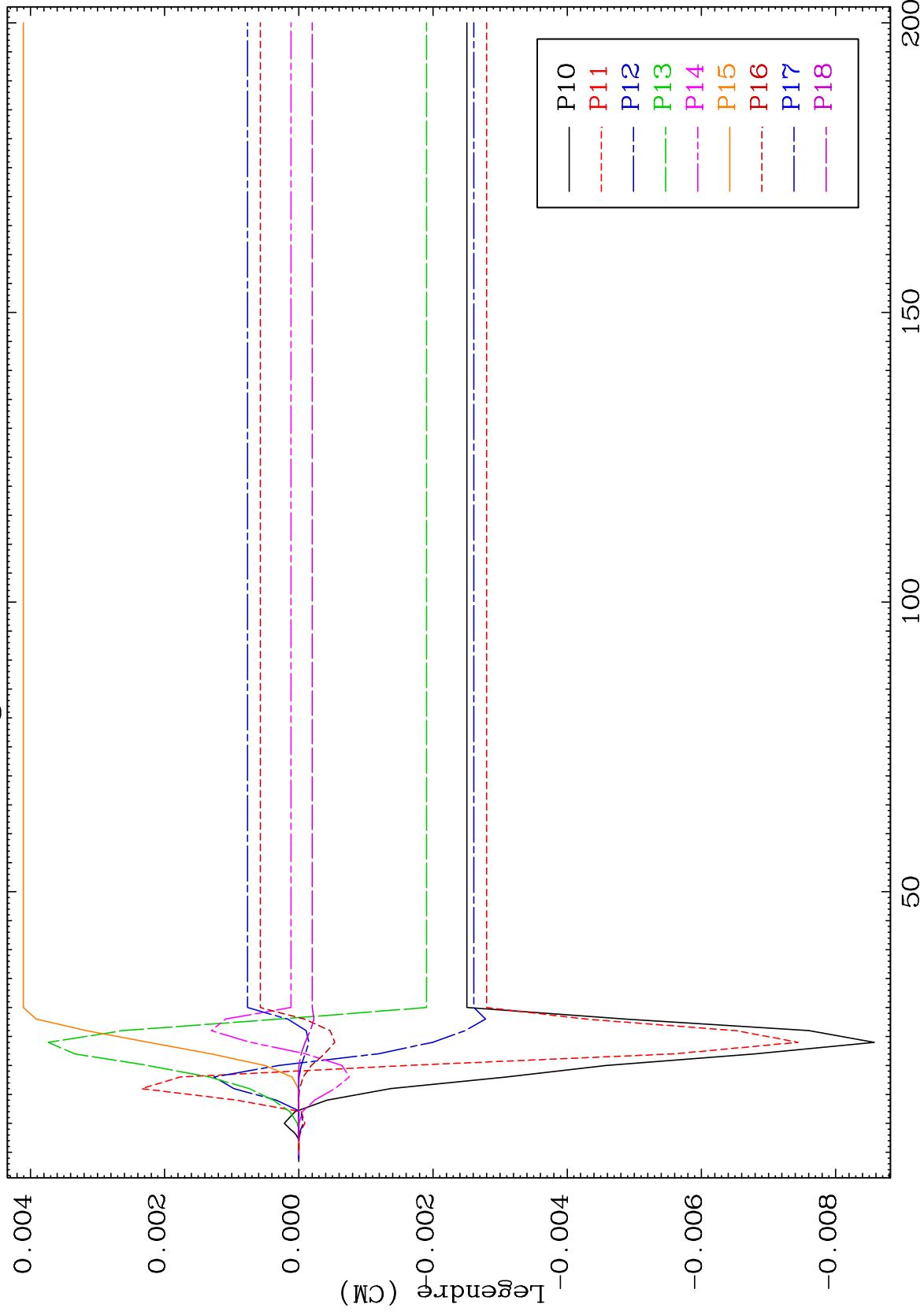
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

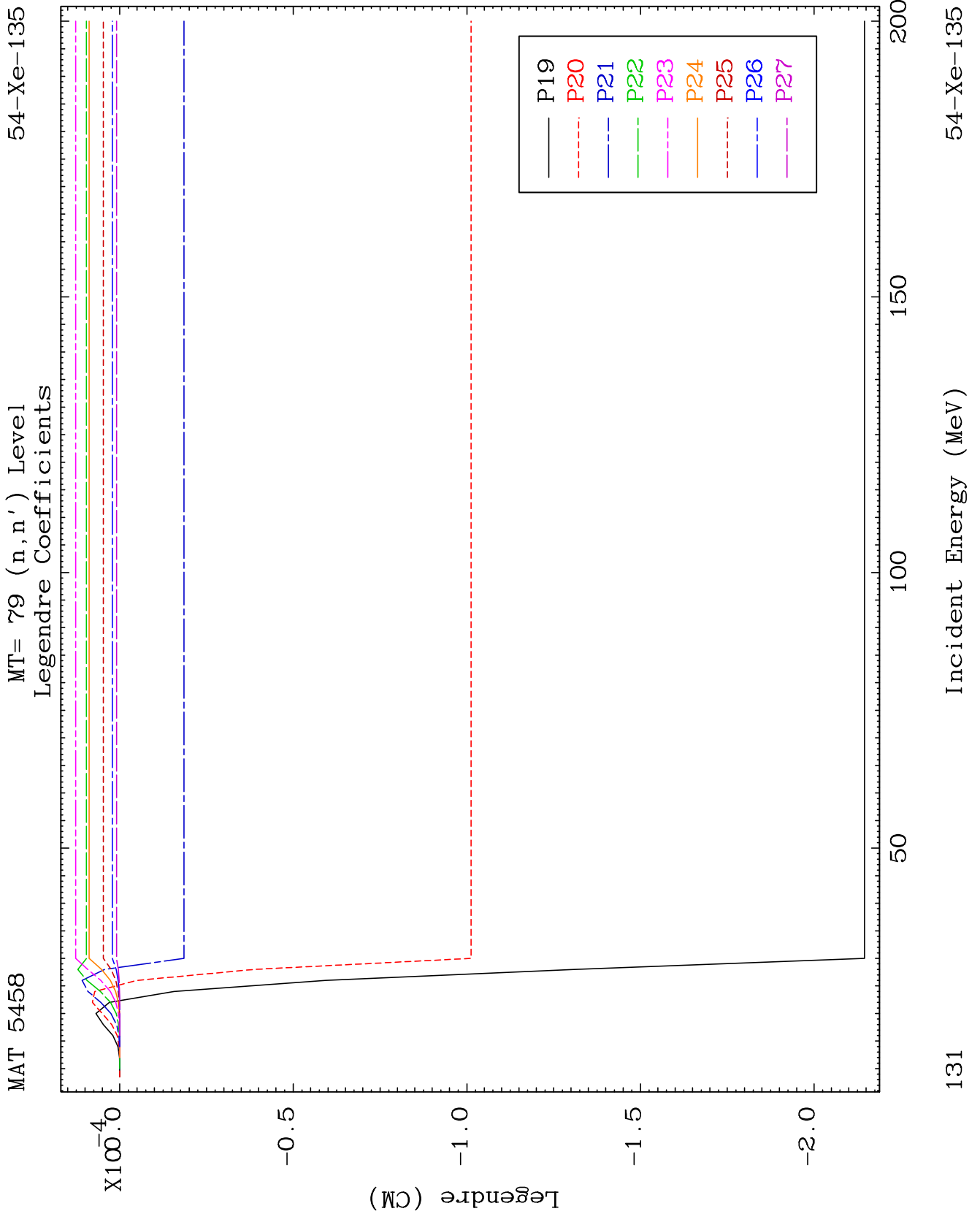
54-Xe-135



130

Incident Energy (MeV)

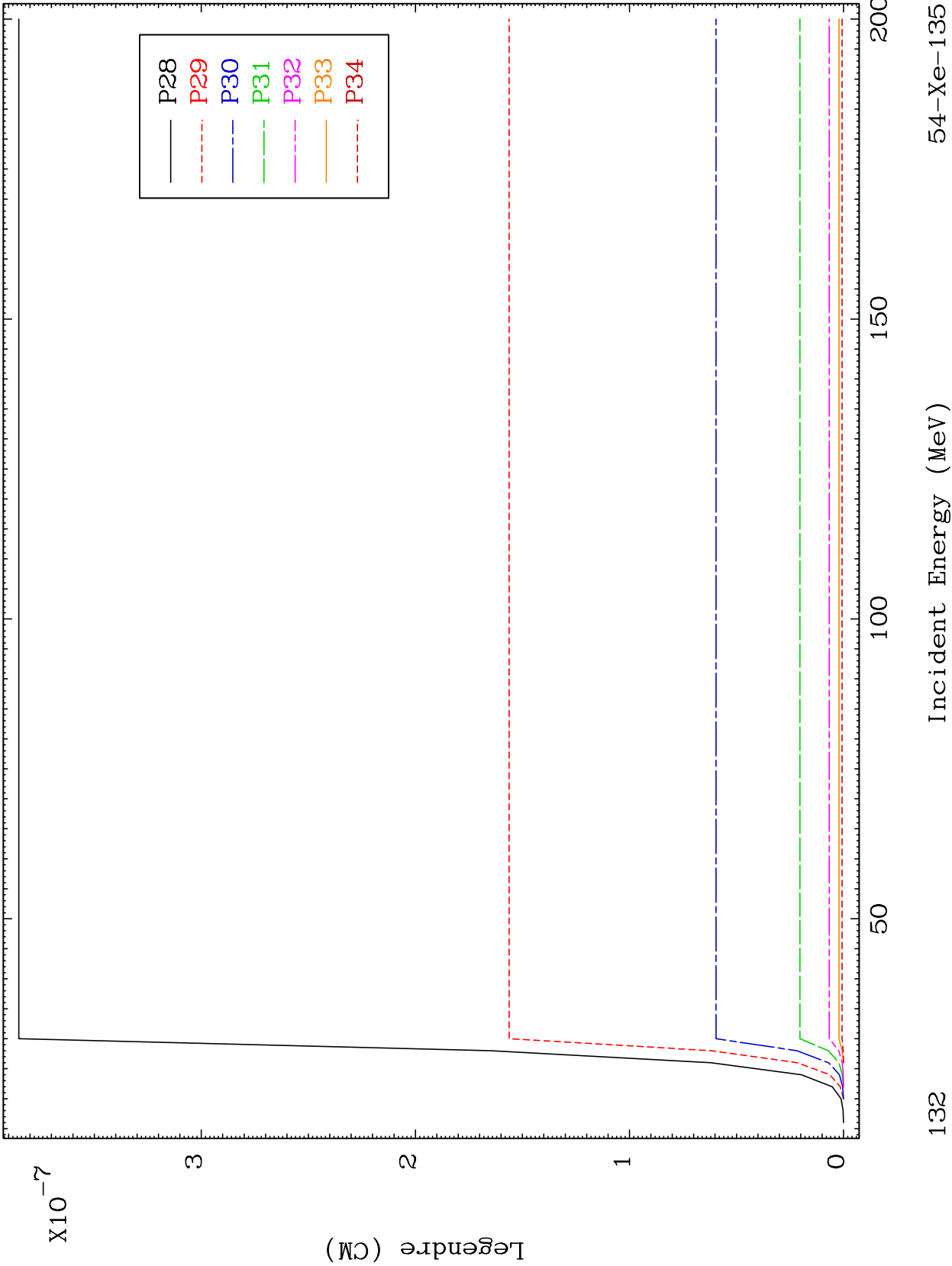
54-Xe-135

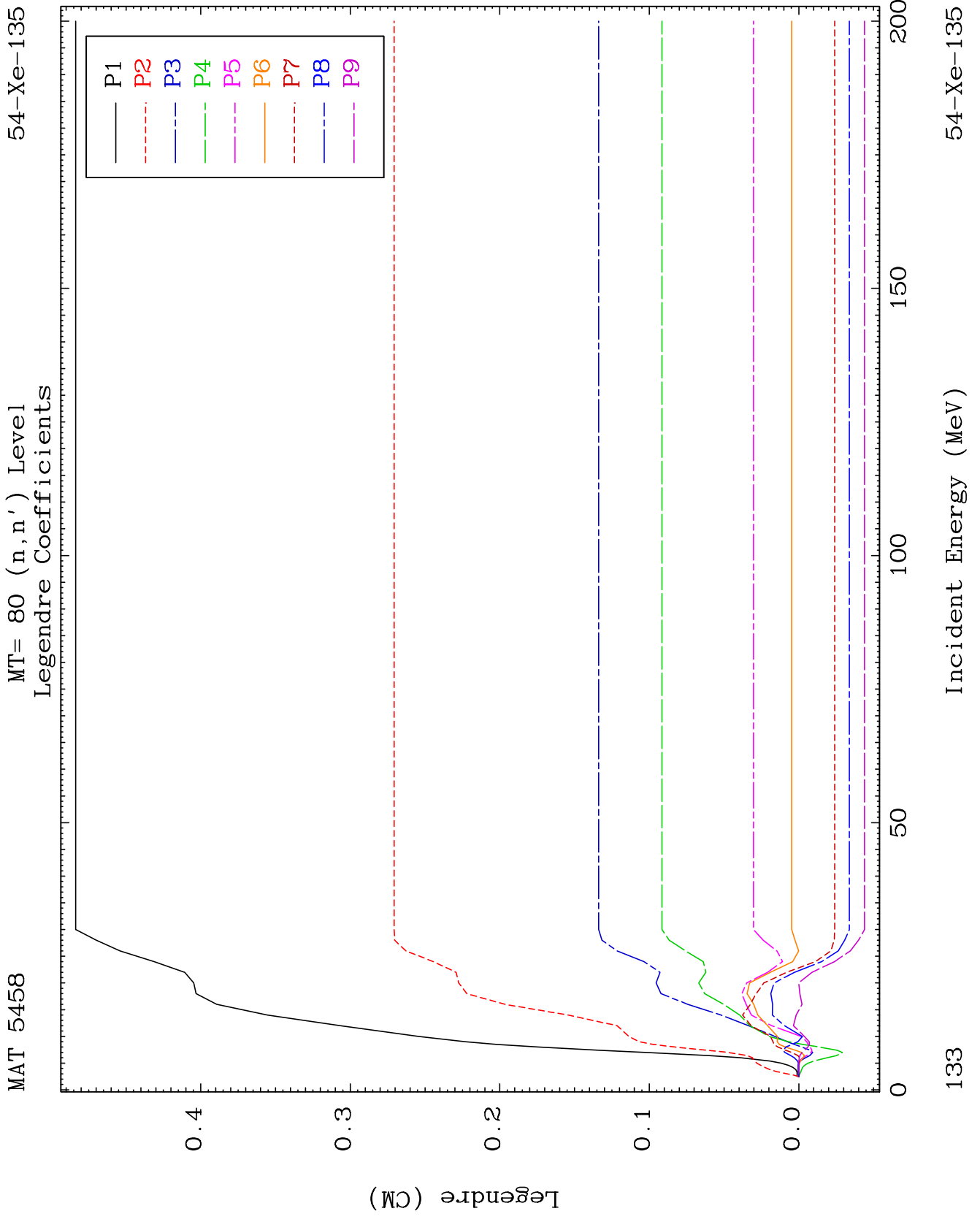


MAT 5458

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

54-Xe-135

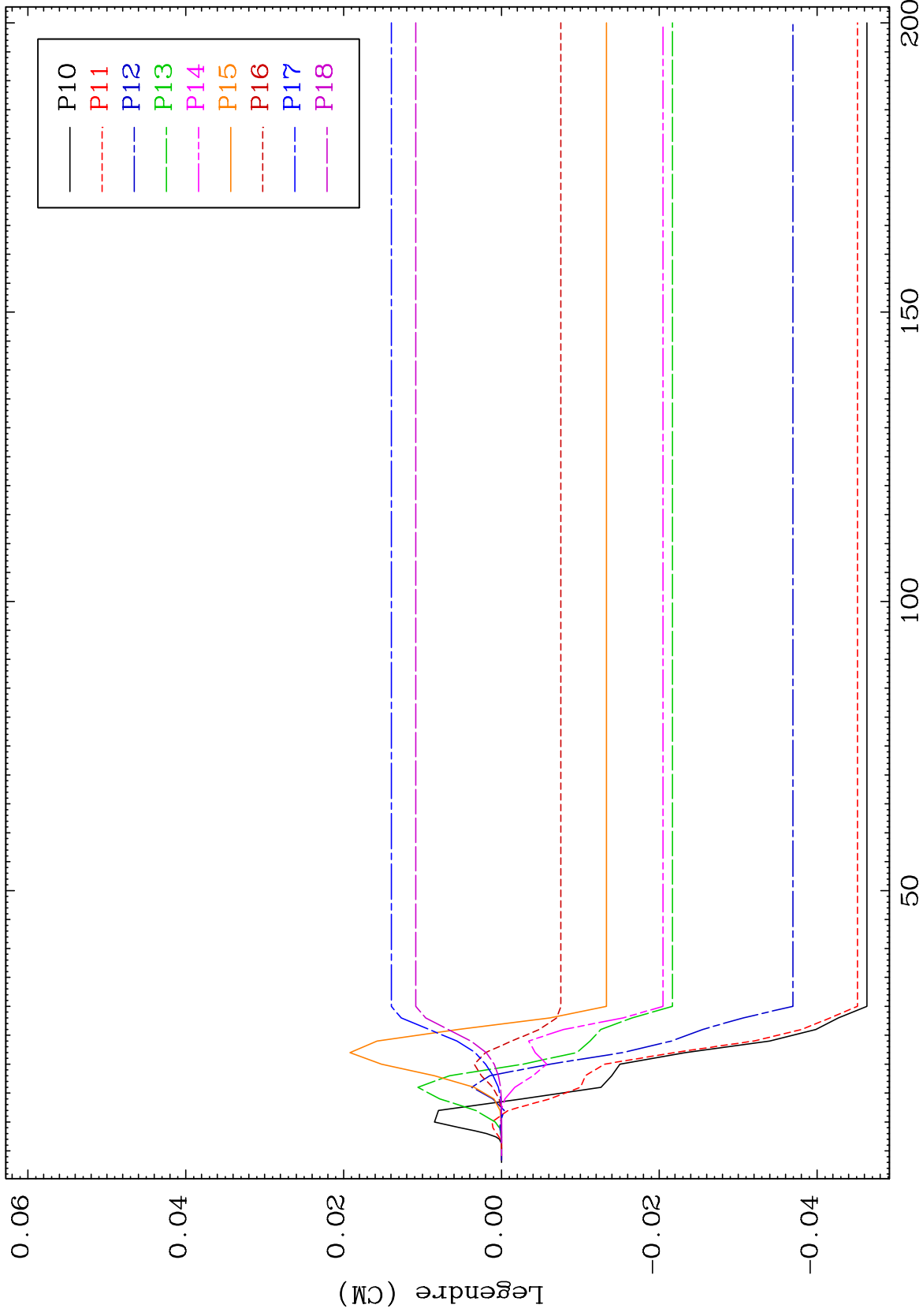




MAT 5458

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

54-Xe-135



134

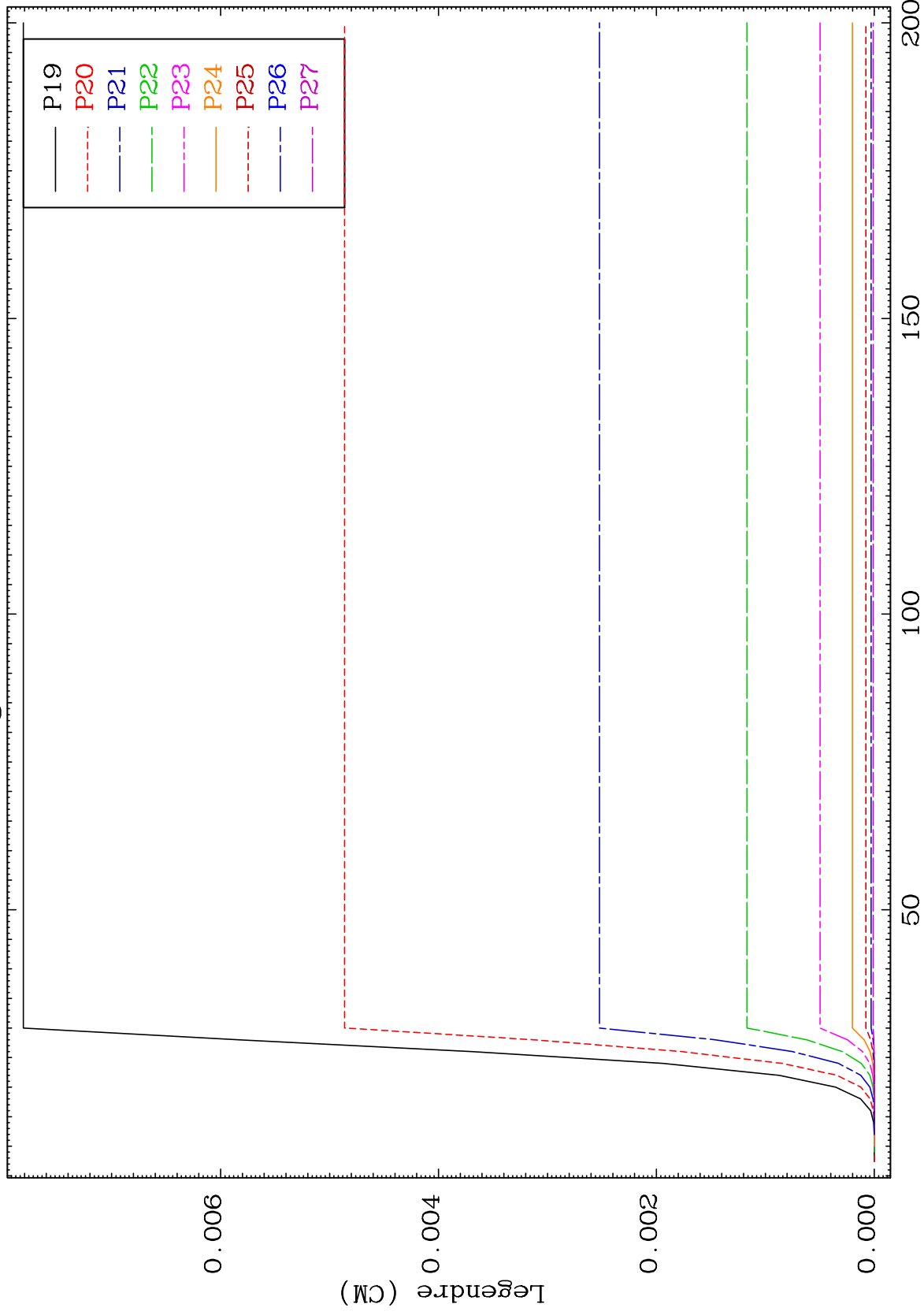
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



135

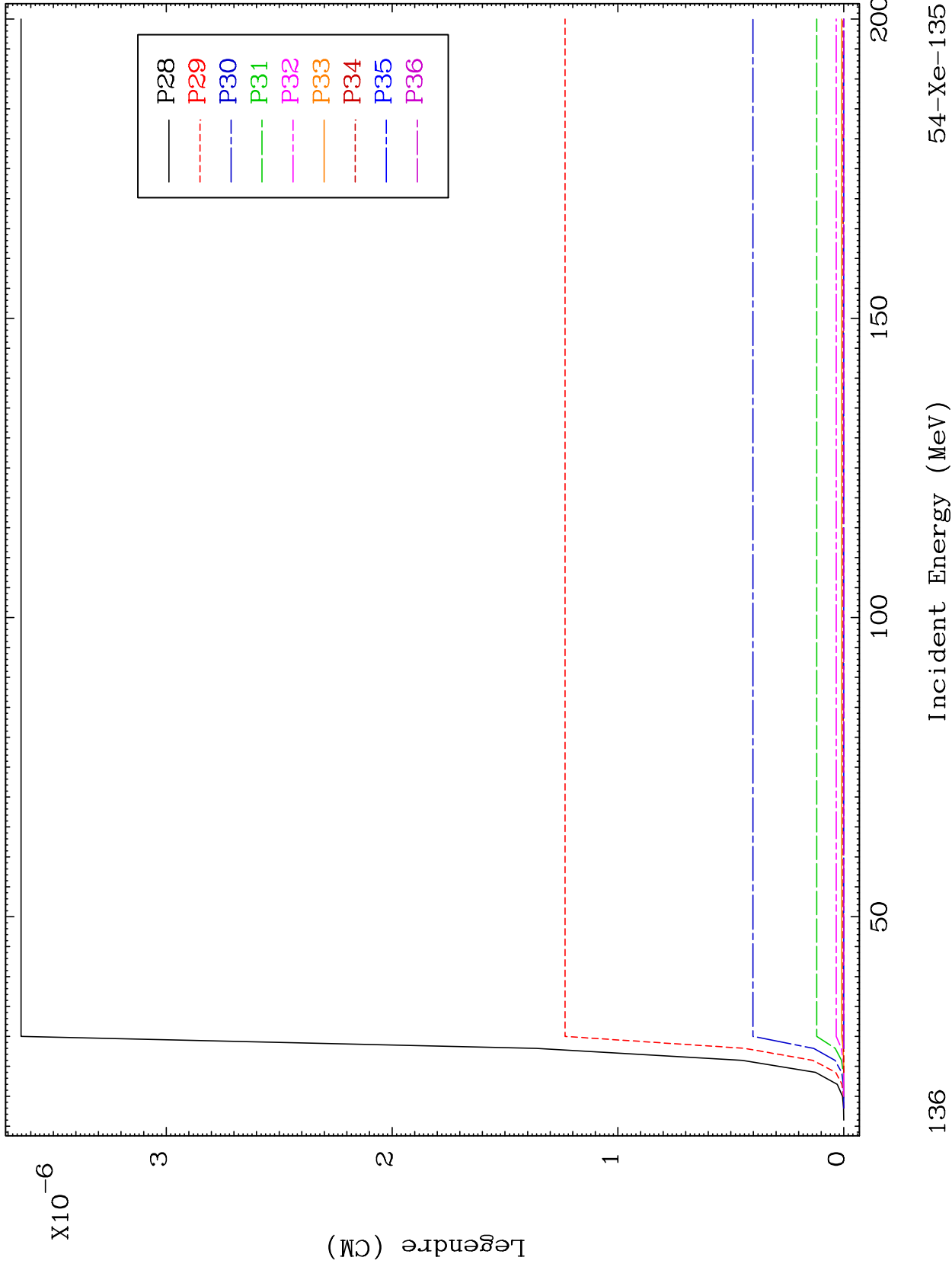
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



136

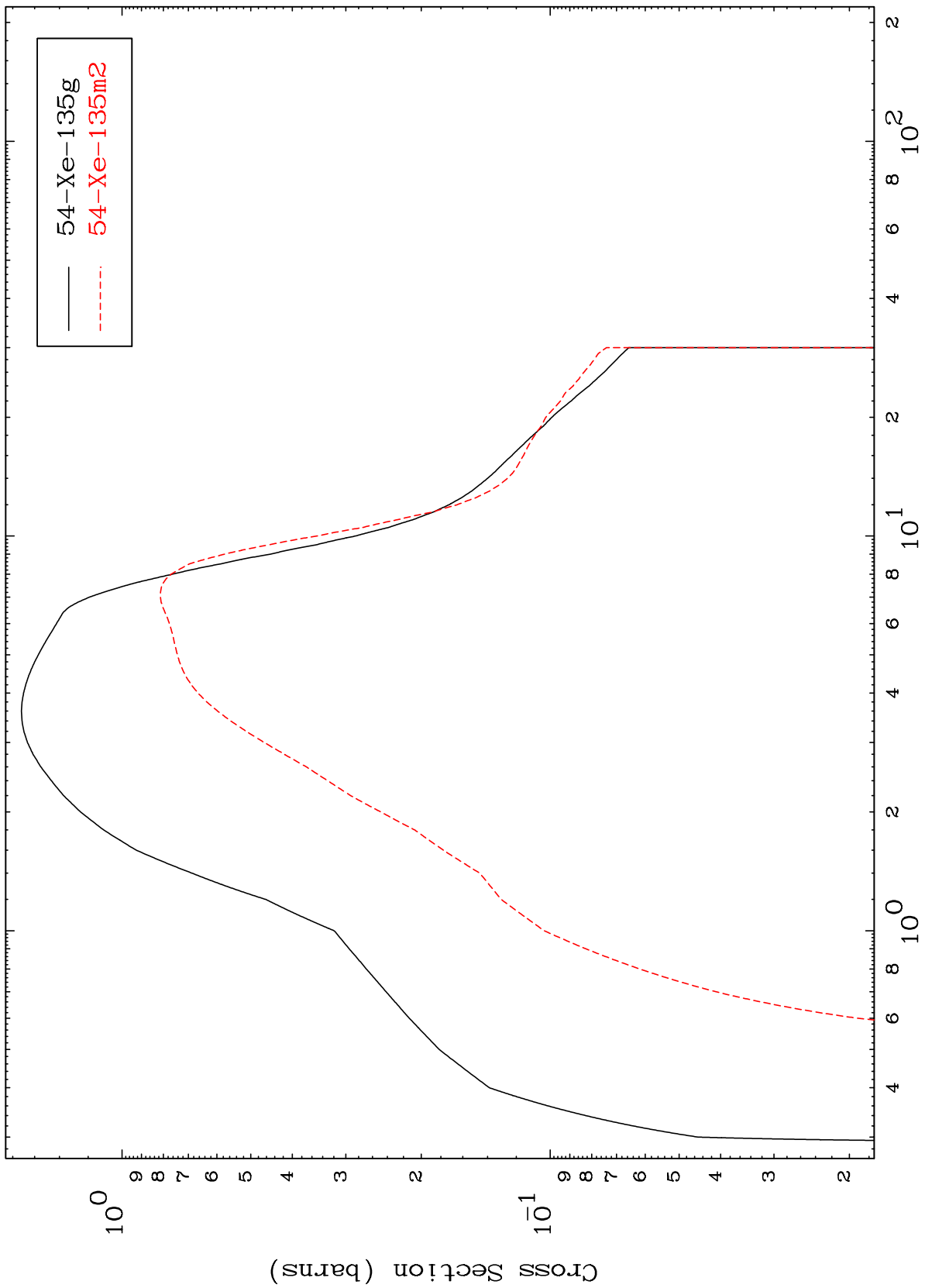
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

Inelastic
Radionuclide Production Cross Section



137

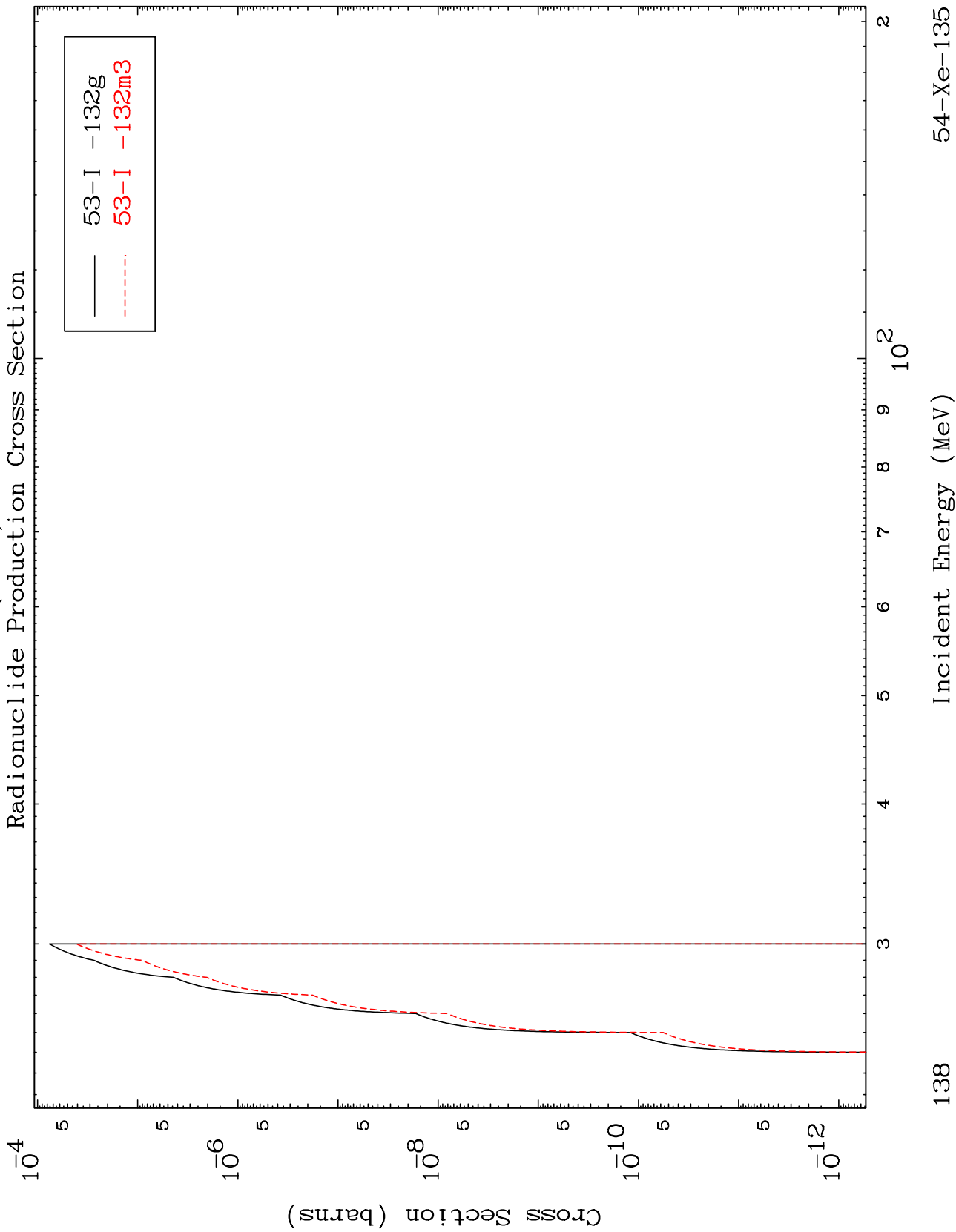
54-Xe-135

Incident Energy (MeV)

MAT 5458

(n,2n) d

54-Xe-135



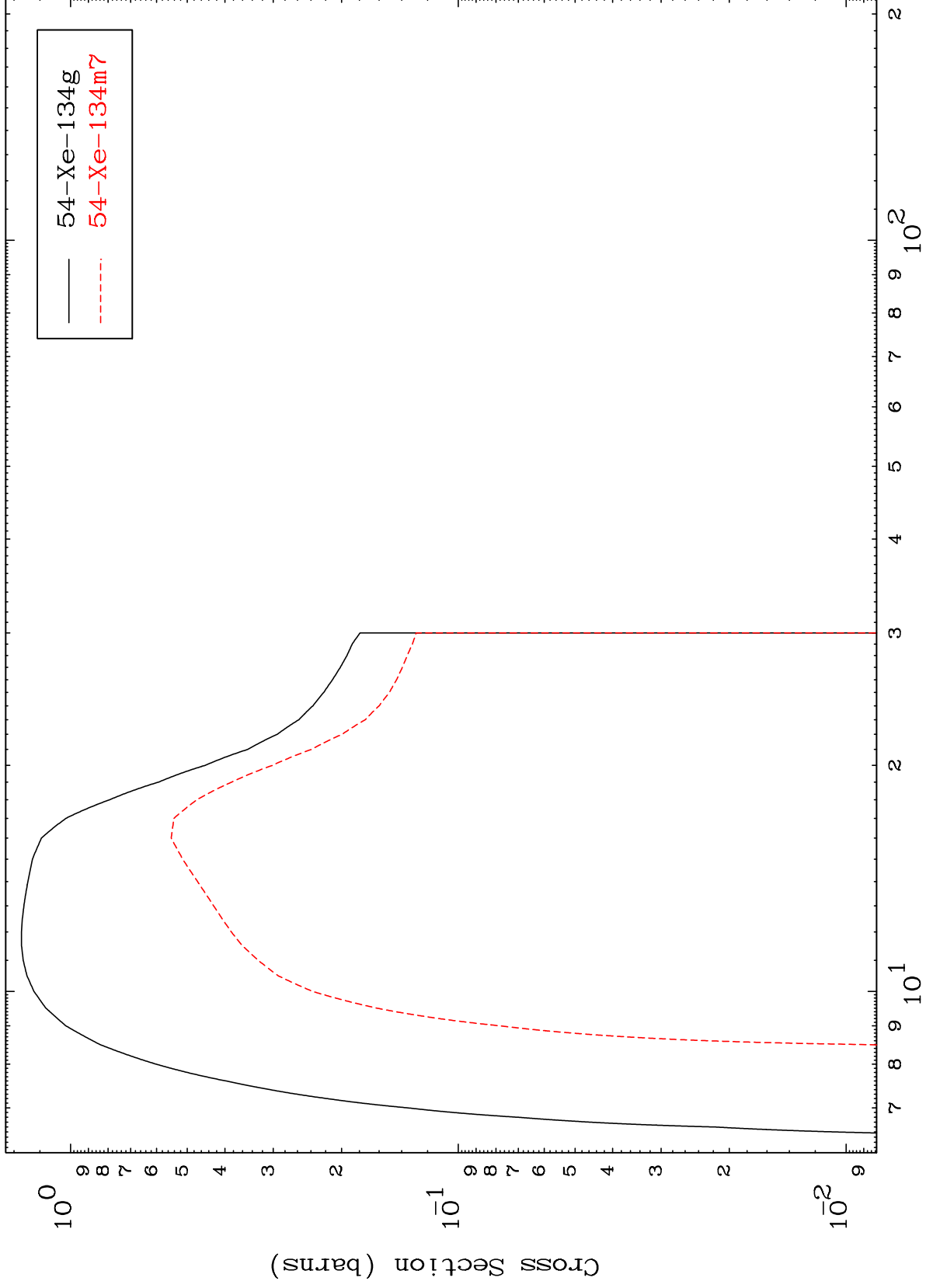
138

54-Xe-135

MAT 5458

54-Xe-135

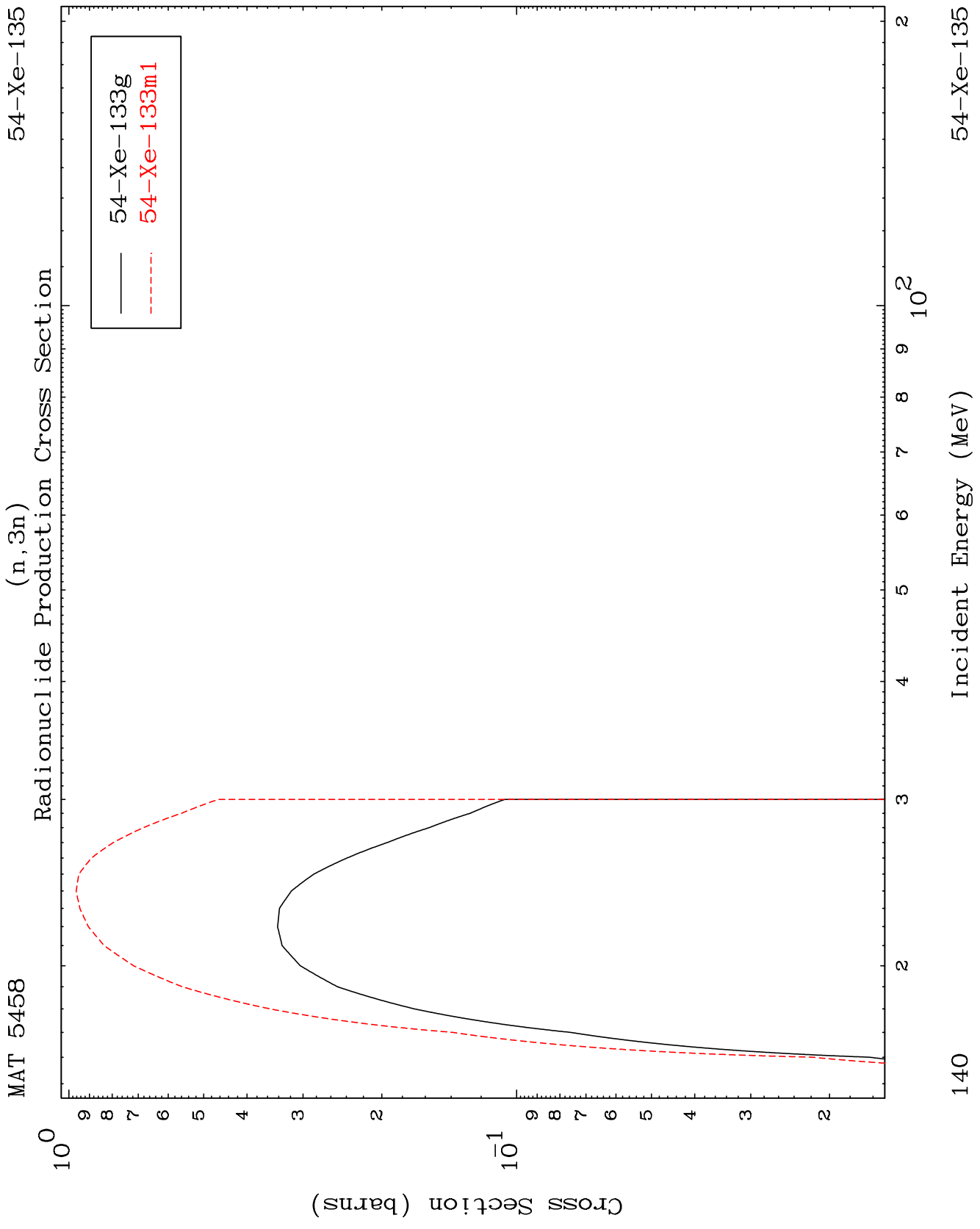
(n,2n)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

54-Xe-135

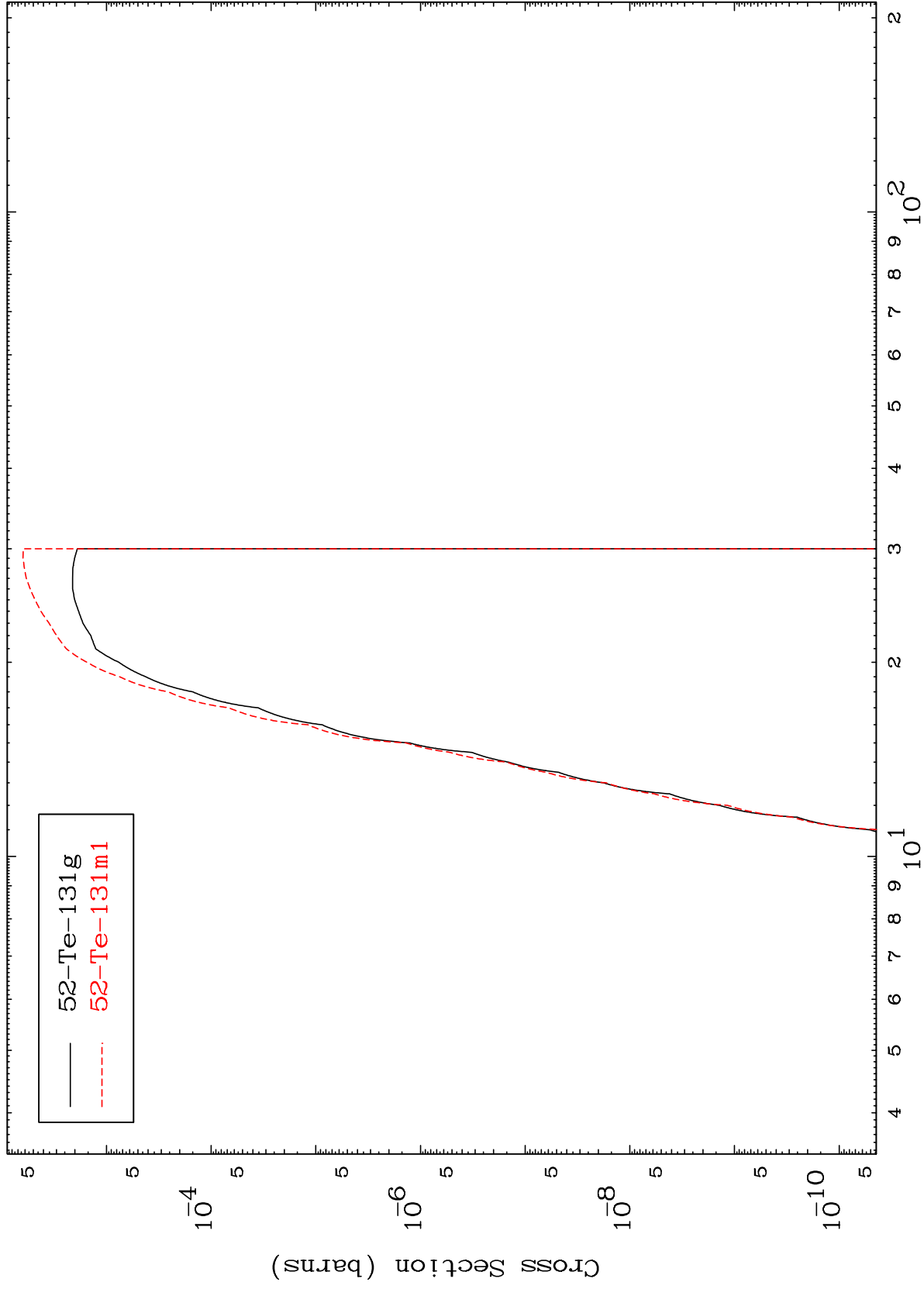


MAT 5458

54-Xe-135

(n,n') α

Radionuclide Production Cross Section



141

Incident Energy (MeV)

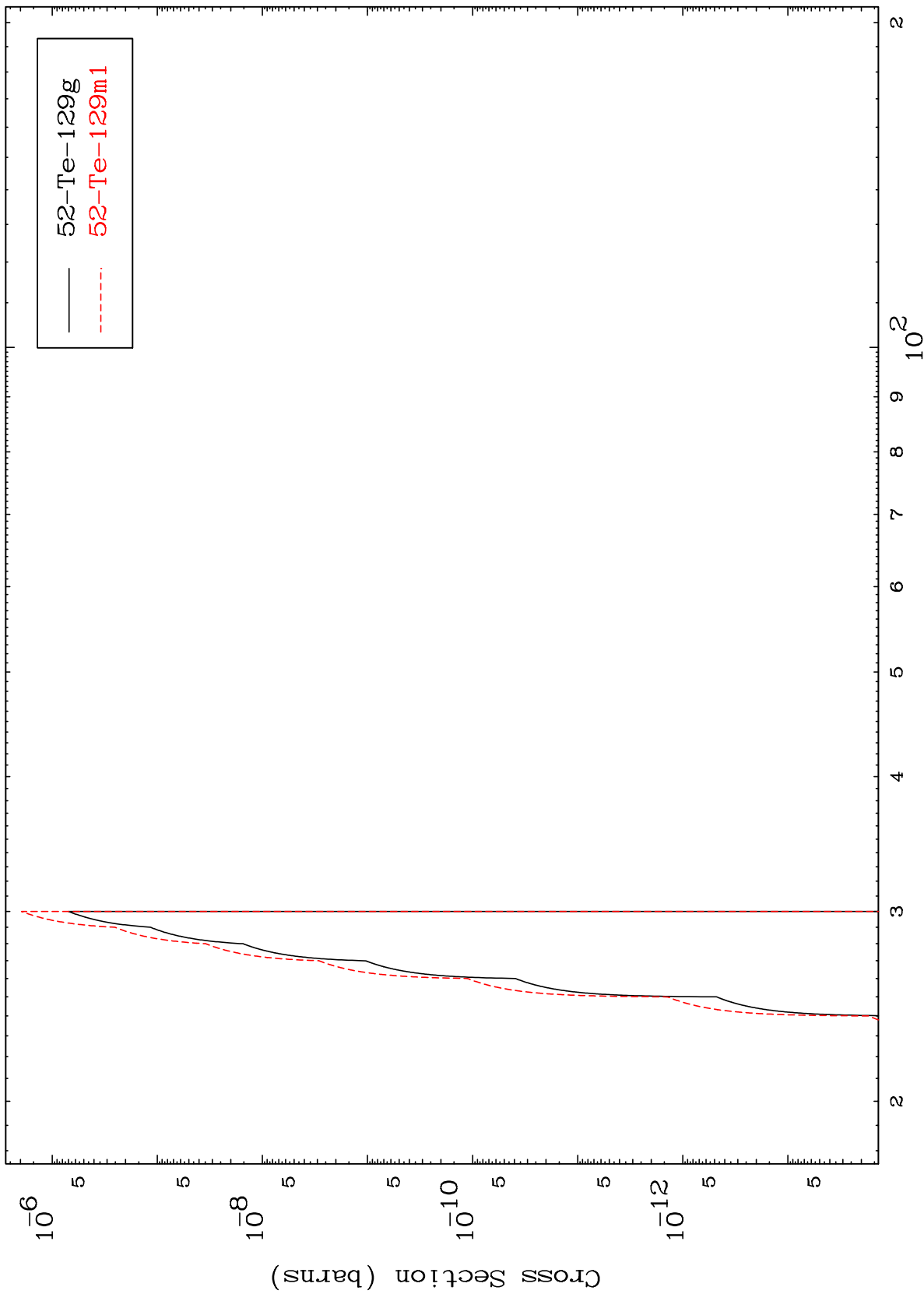
54-Xe-135

MAT 5458

(n,3n) α

54-Xe-135

Radionuclide Production Cross Section



142

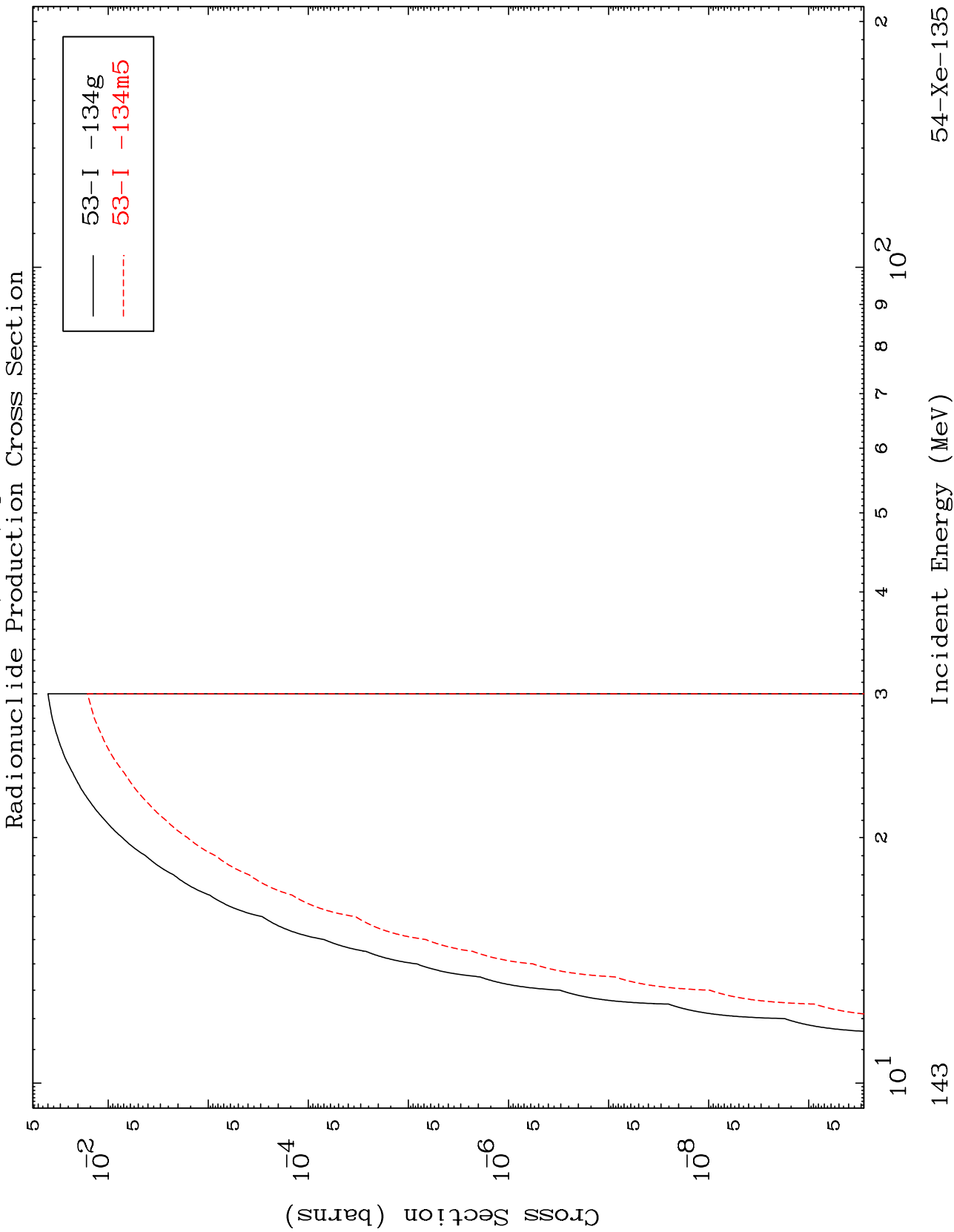
Incident Energy (MeV)

54-Xe-135

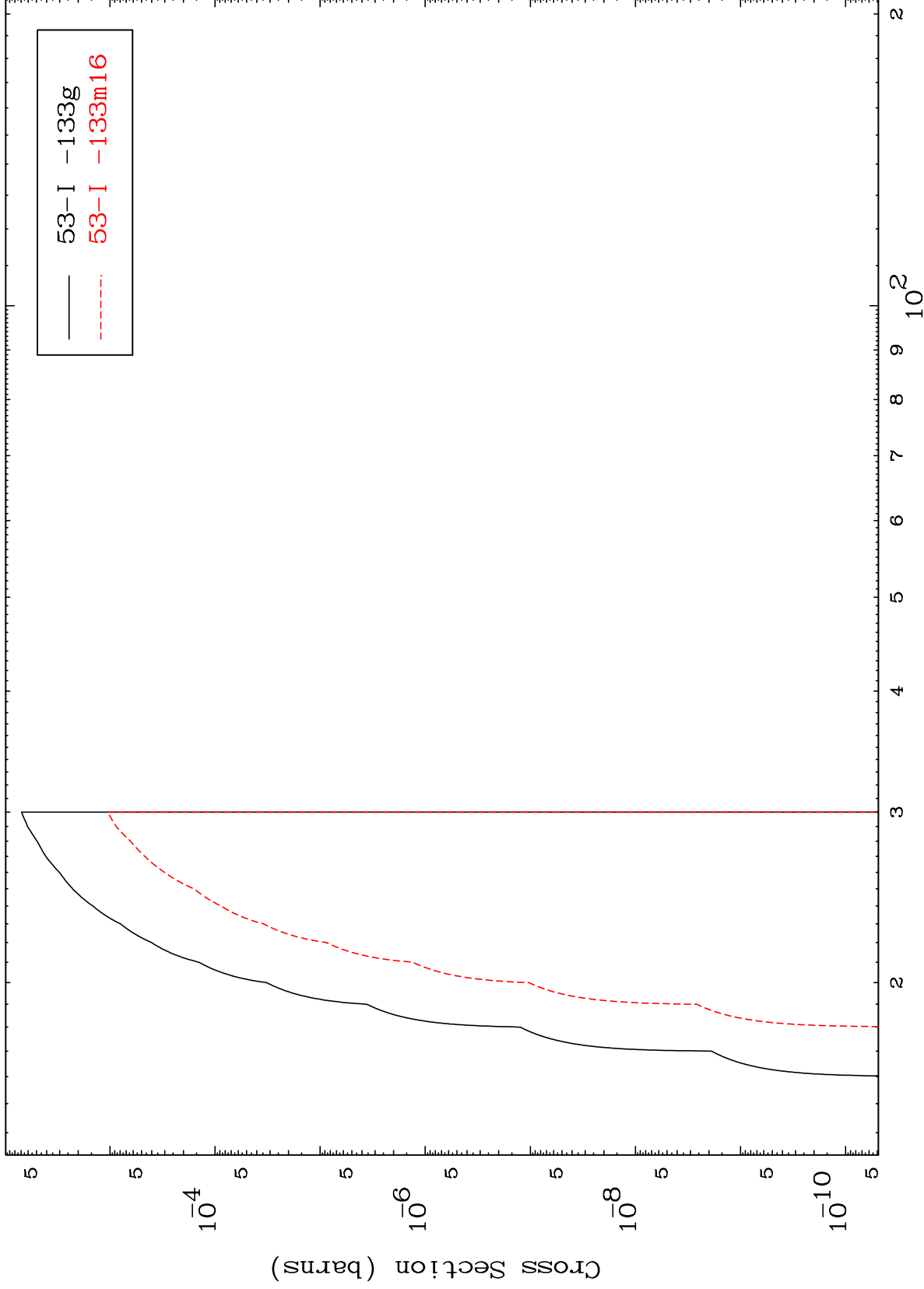
MAT 5458

(n,n') p

54-Xe-135



Radionuclide Production Cross Section

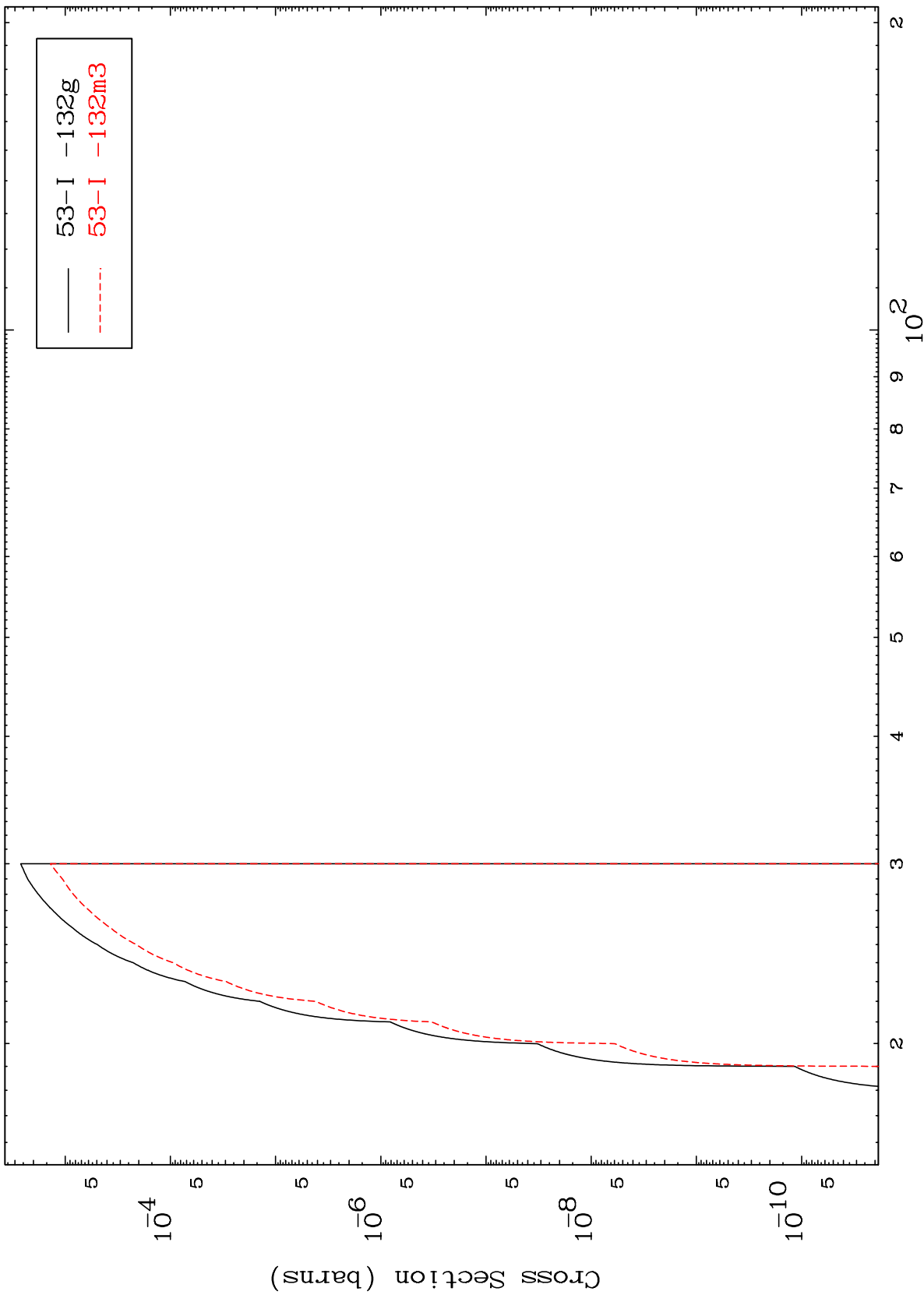


MAT 5458

(n,n') t

54-Xe-135

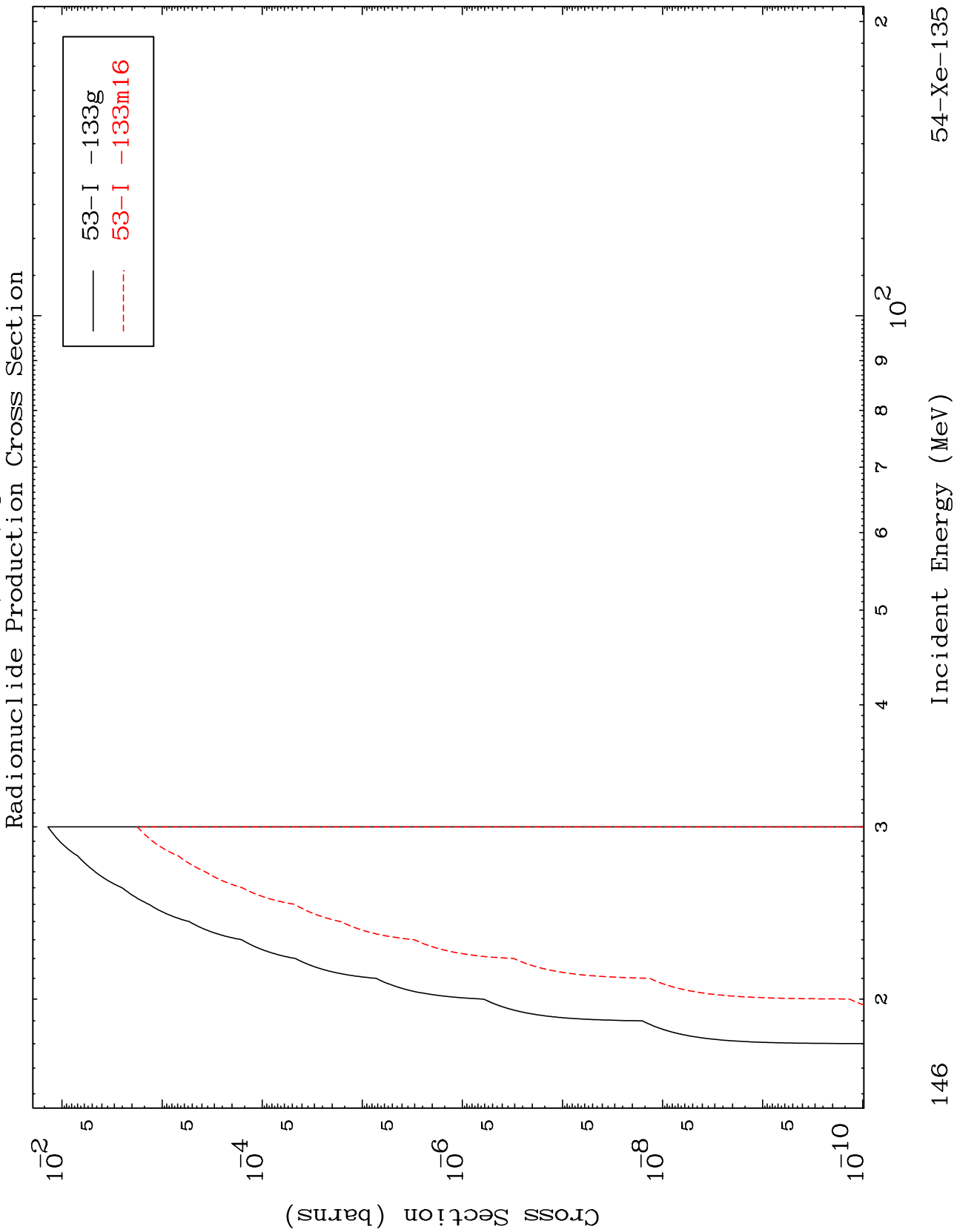
Radionuclide Production Cross Section



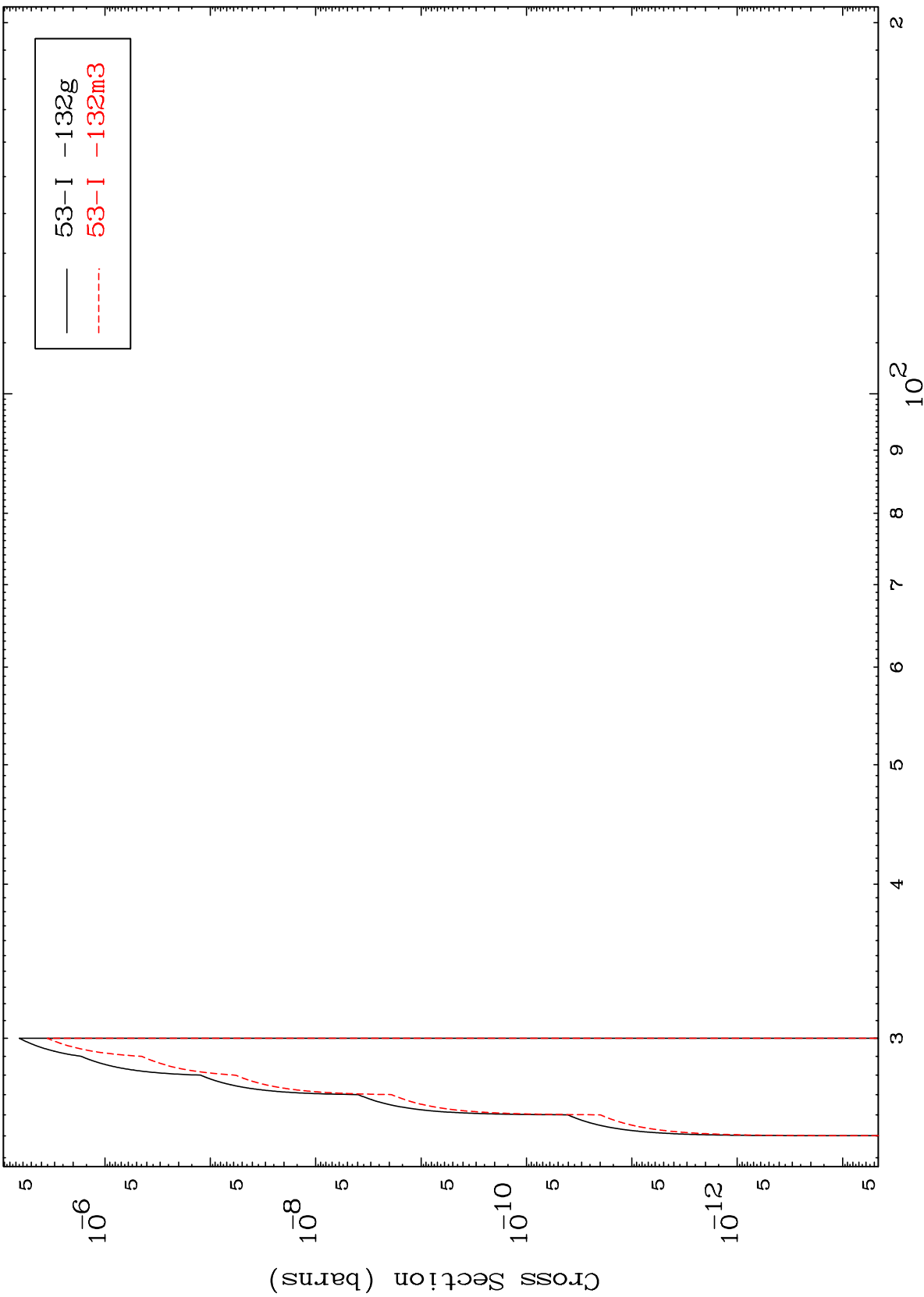
145

Incident Energy (MeV)

54-Xe-135

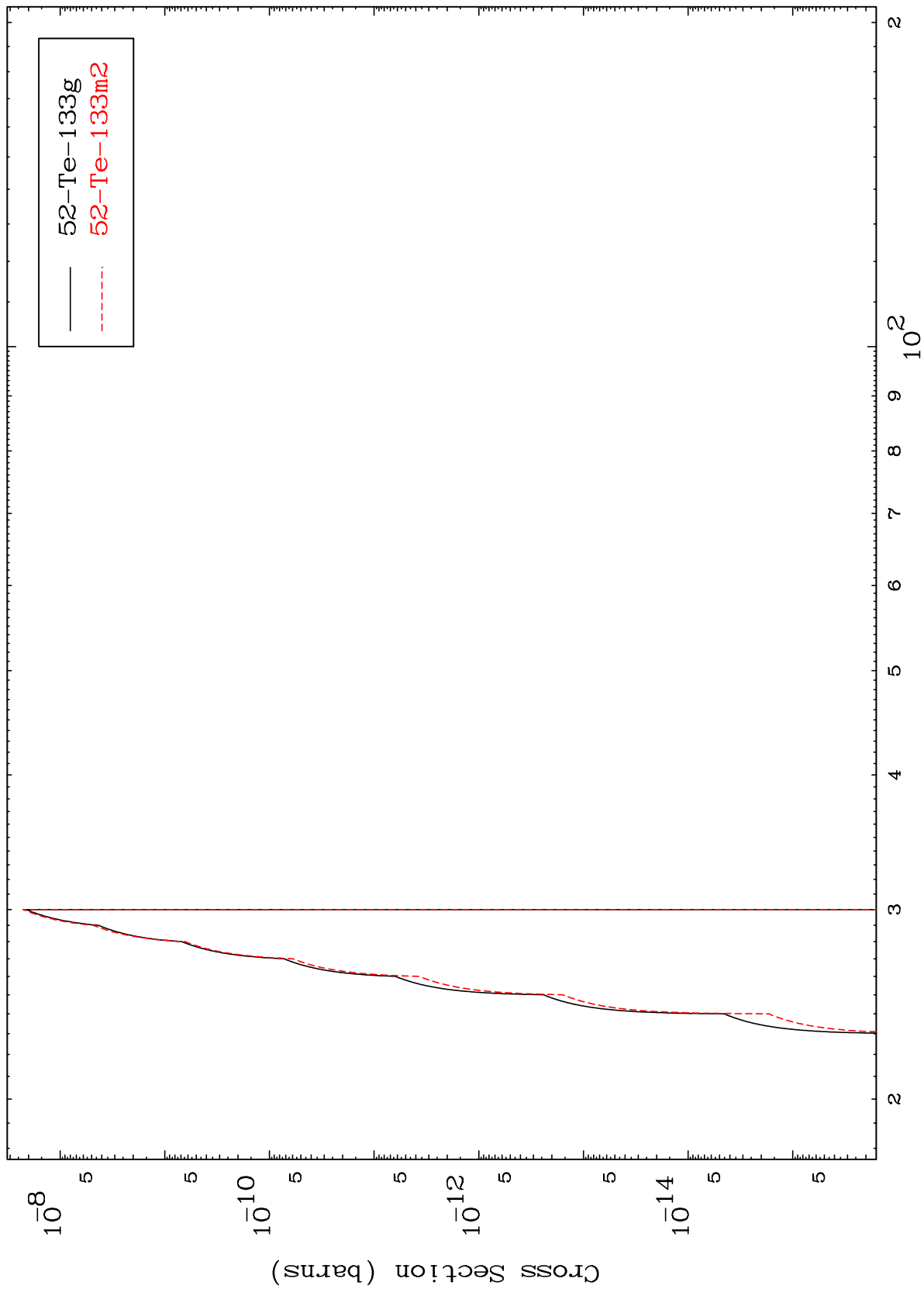


Radionuclide Production Cross Section



53-I - 132g
53-I - 132m3

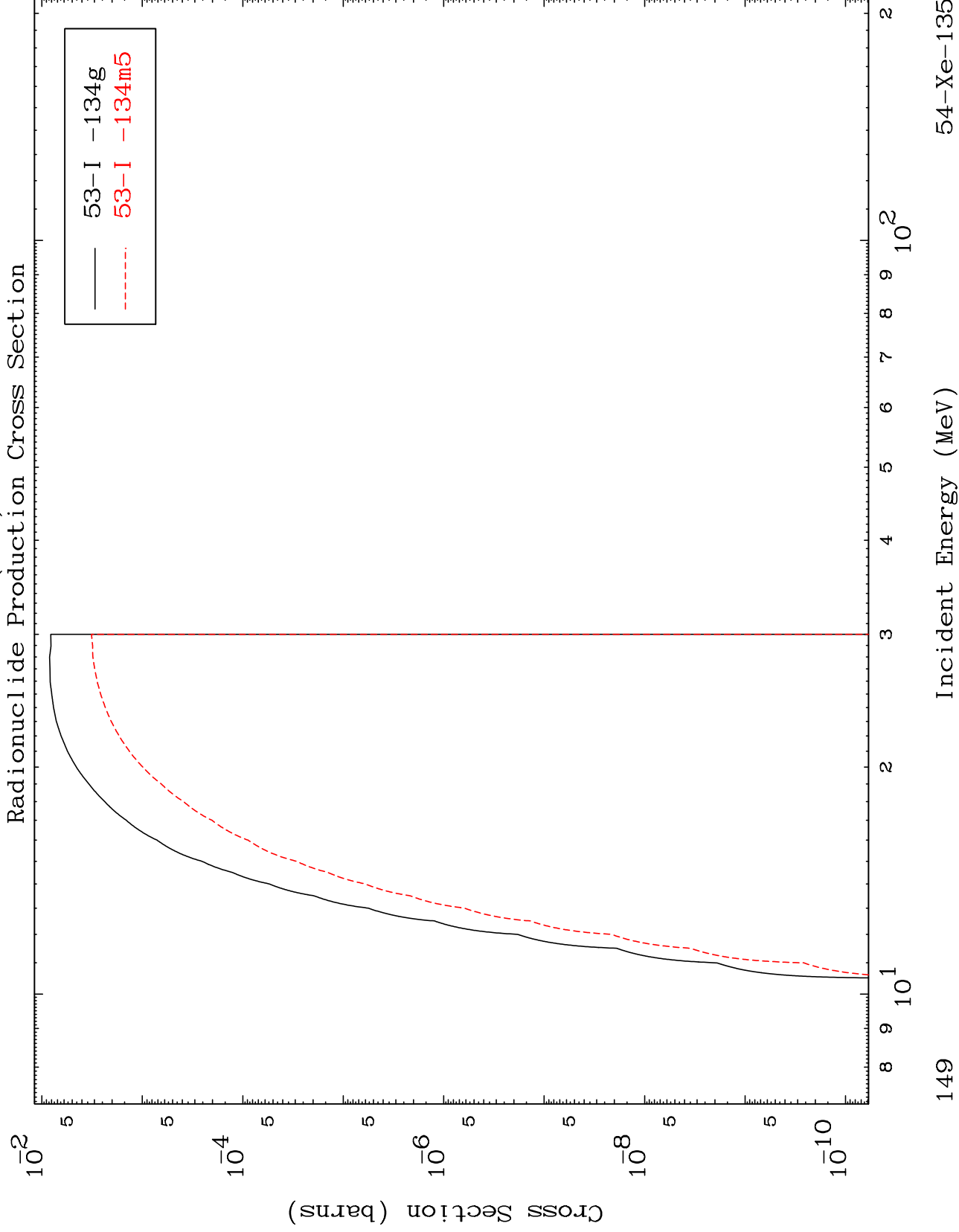
Radionuclide Production Cross Section



MAT 5458

(n,d)

54-Xe-135



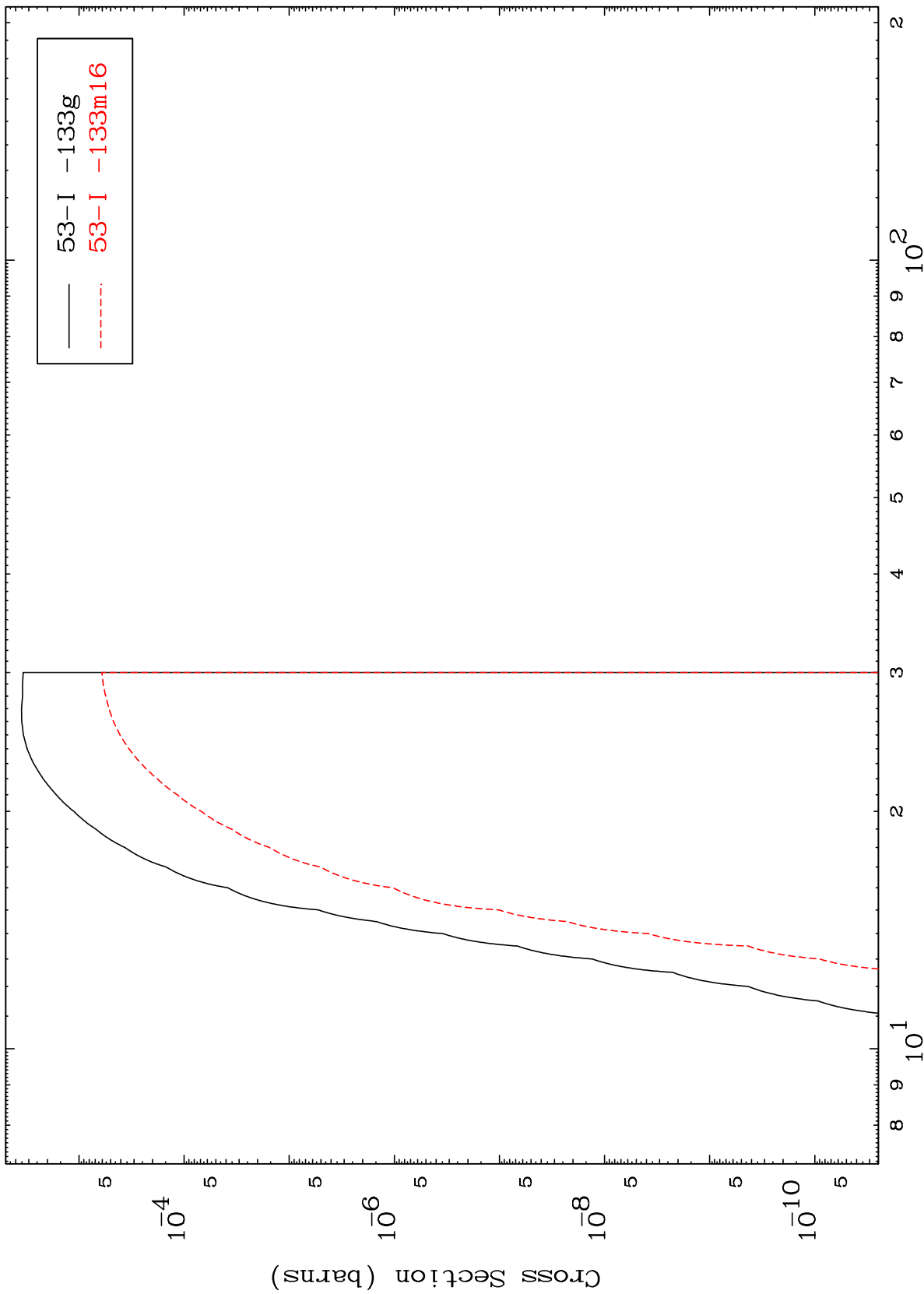
149

54-Xe-135

MAT 5458

54-Xe-135

(n, t)
Radionuclide Production Cross Section



150

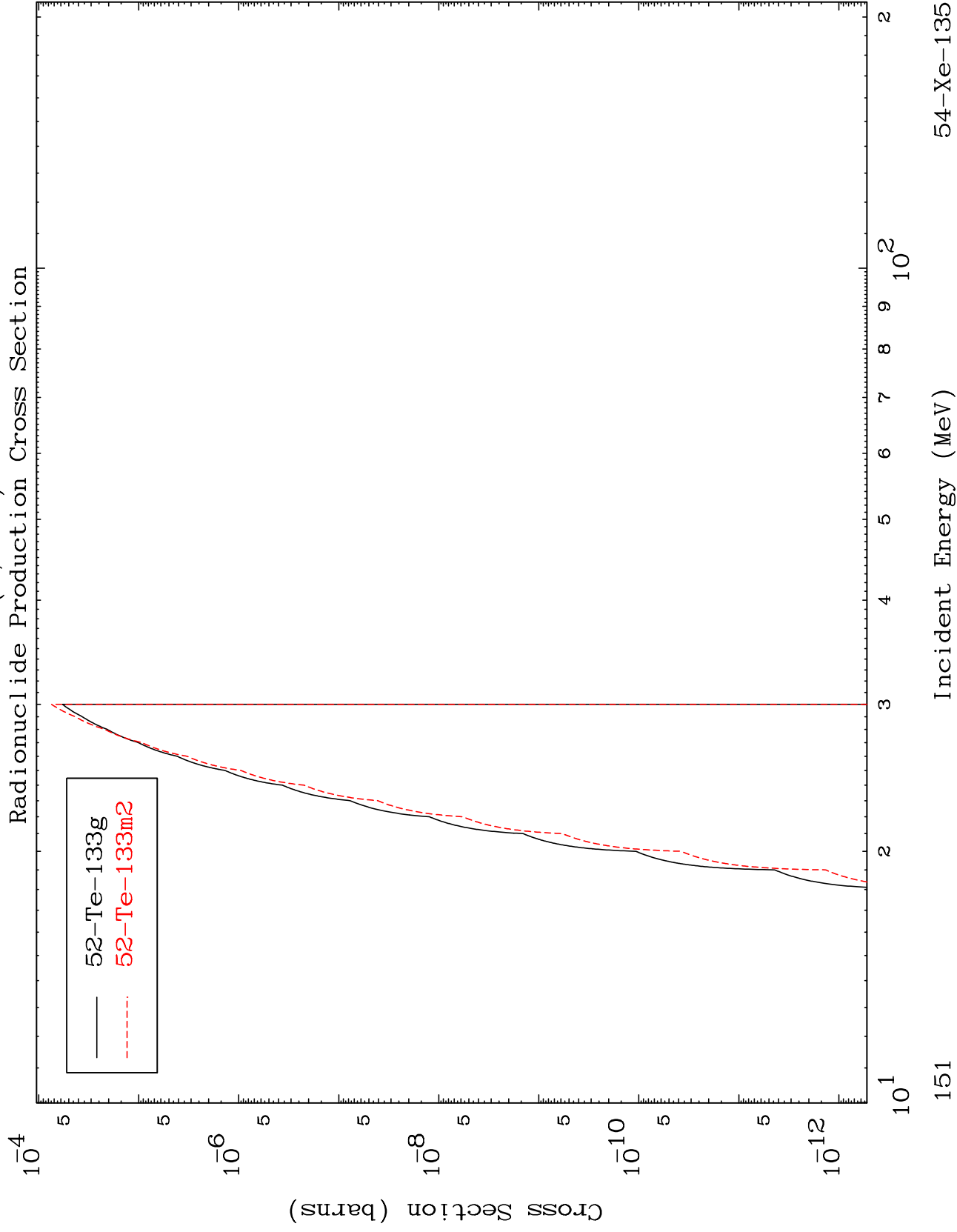
Incident Energy (MeV)

54-Xe-135

MAT 5458

(n,He-3)

54-Xe-135



Radionuclide Production Cross Section

