

Program EVALPLOT
(Version 2018-1)

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

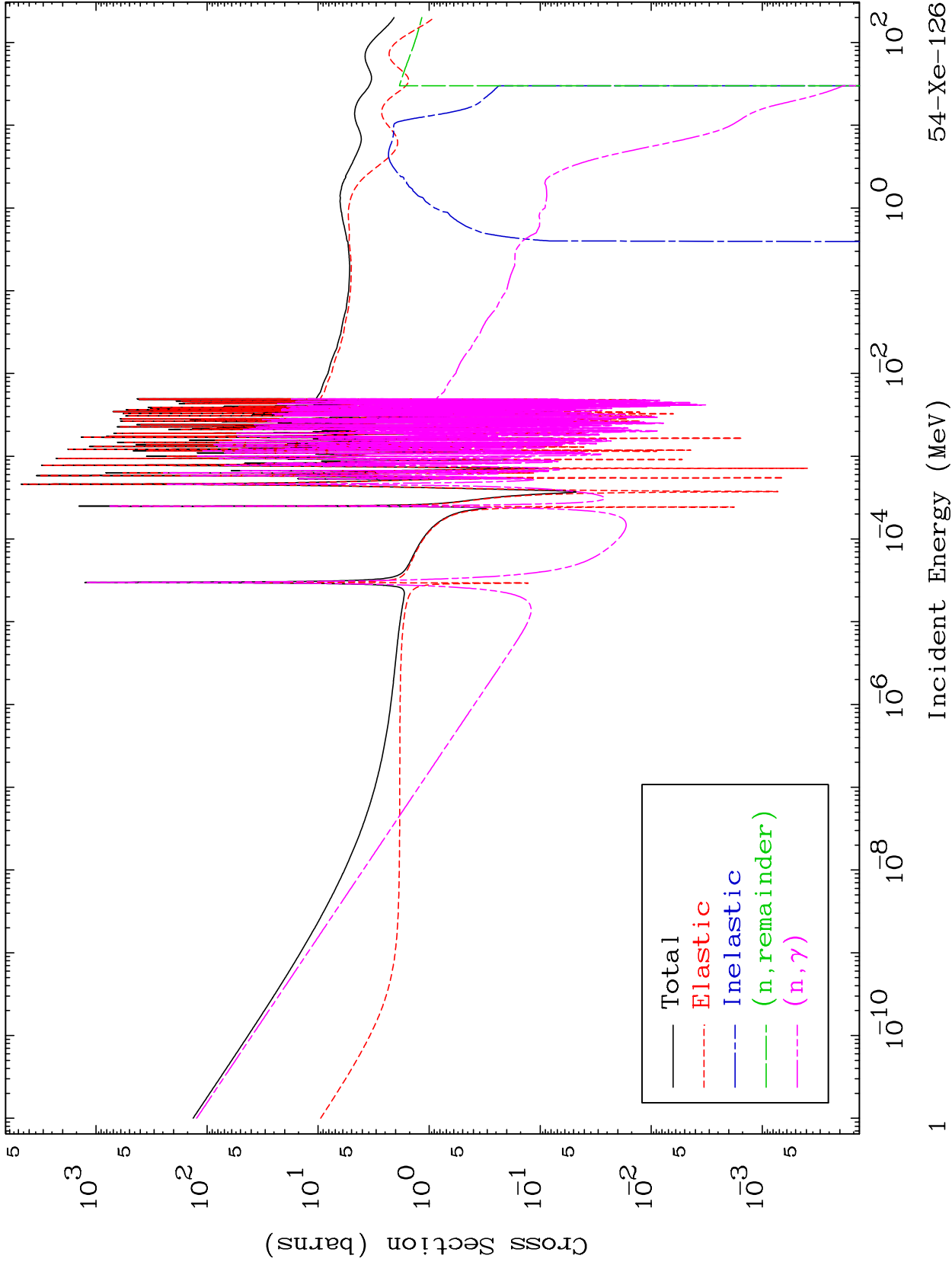
Press Mouse Button to Start

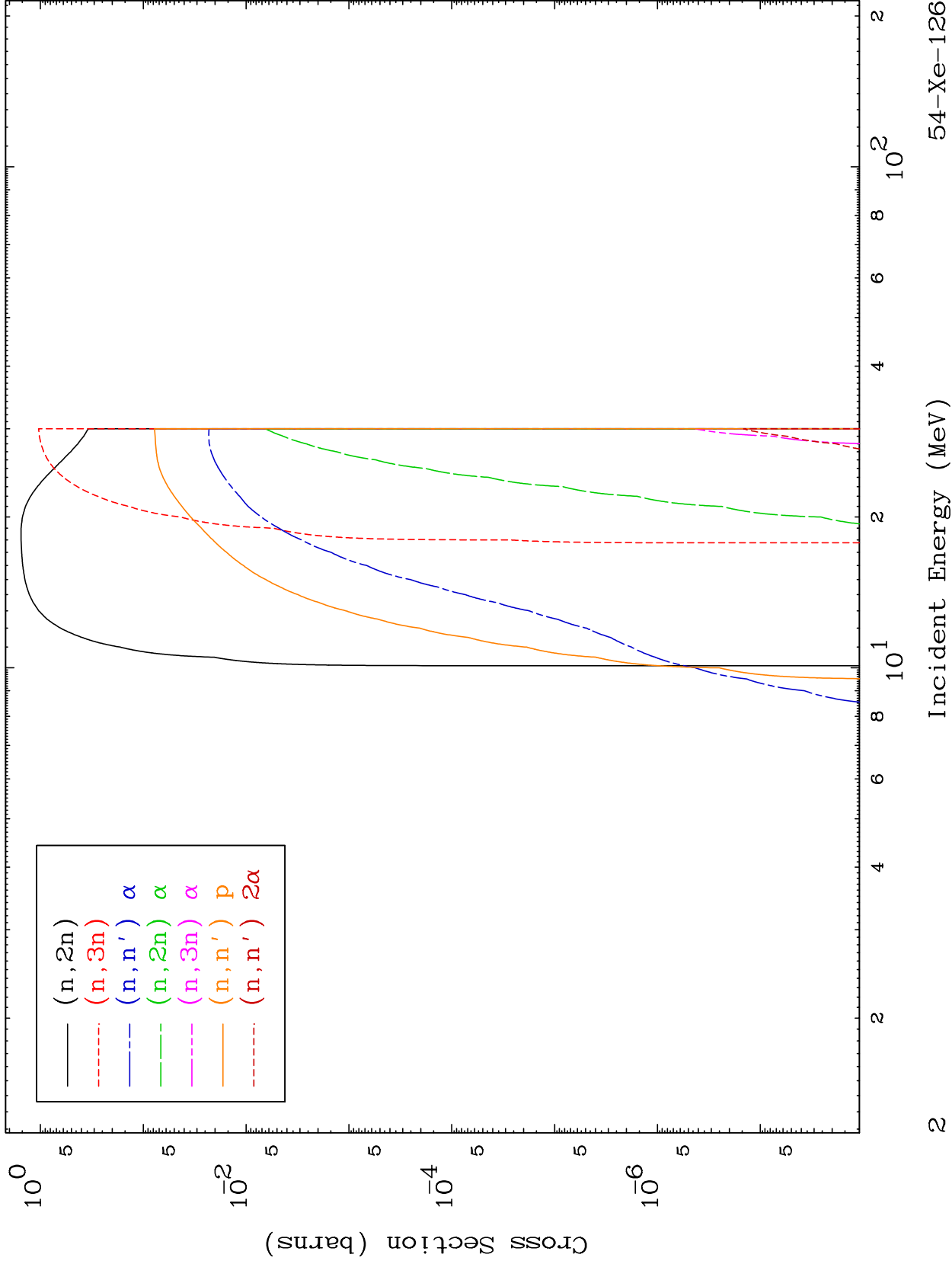
MAT 5431

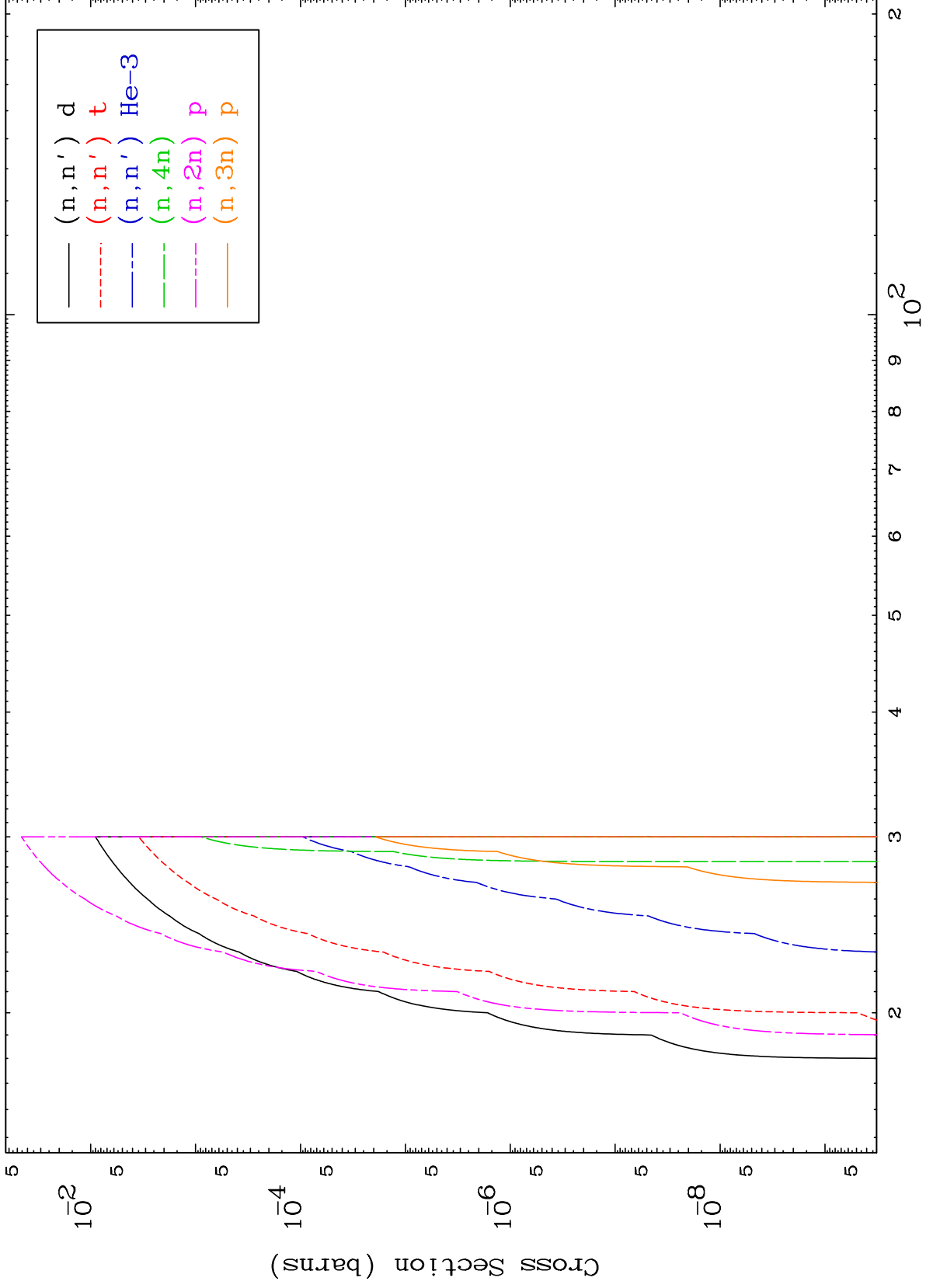
Major

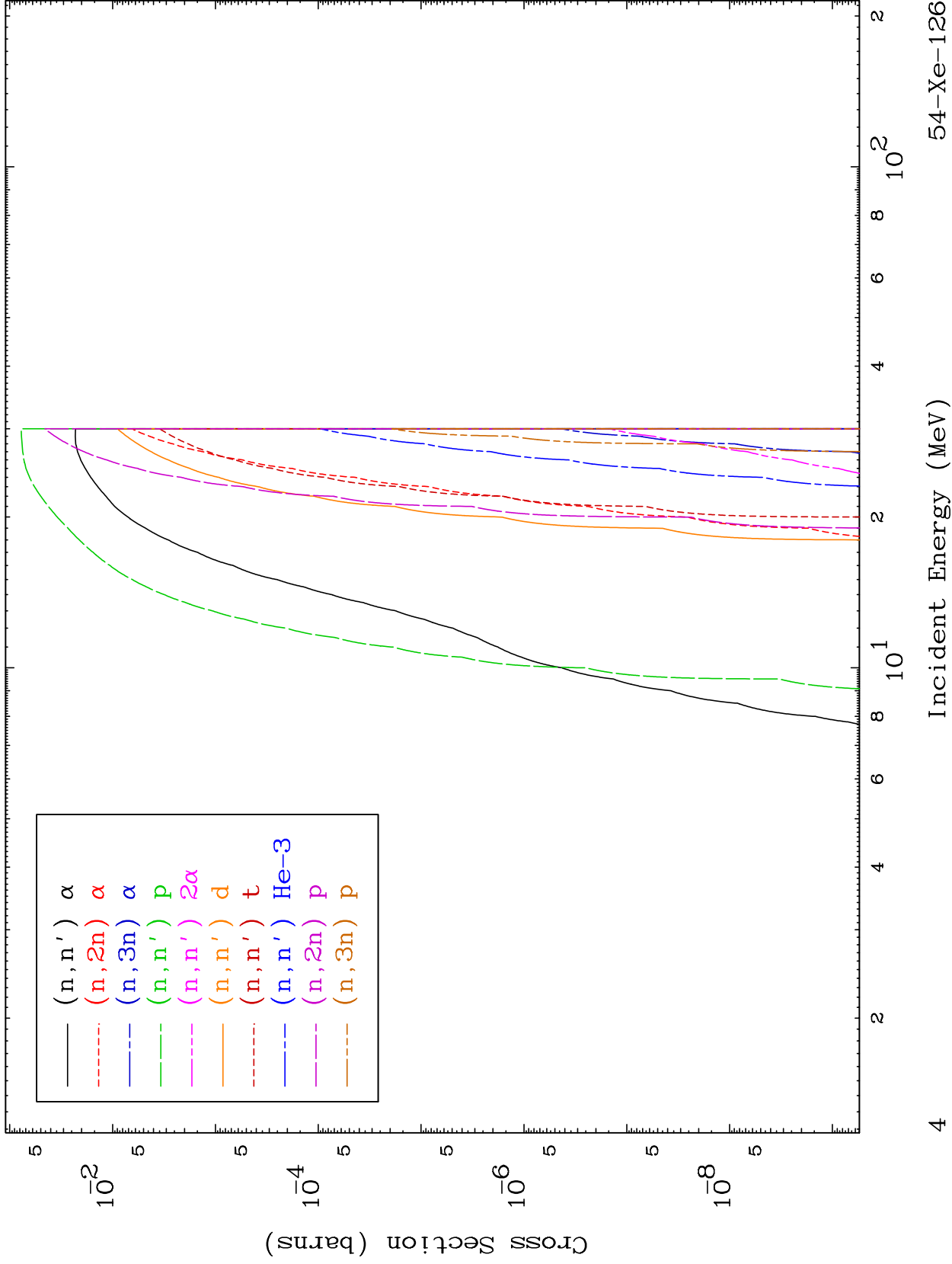
293 Kelvin Cross Sections

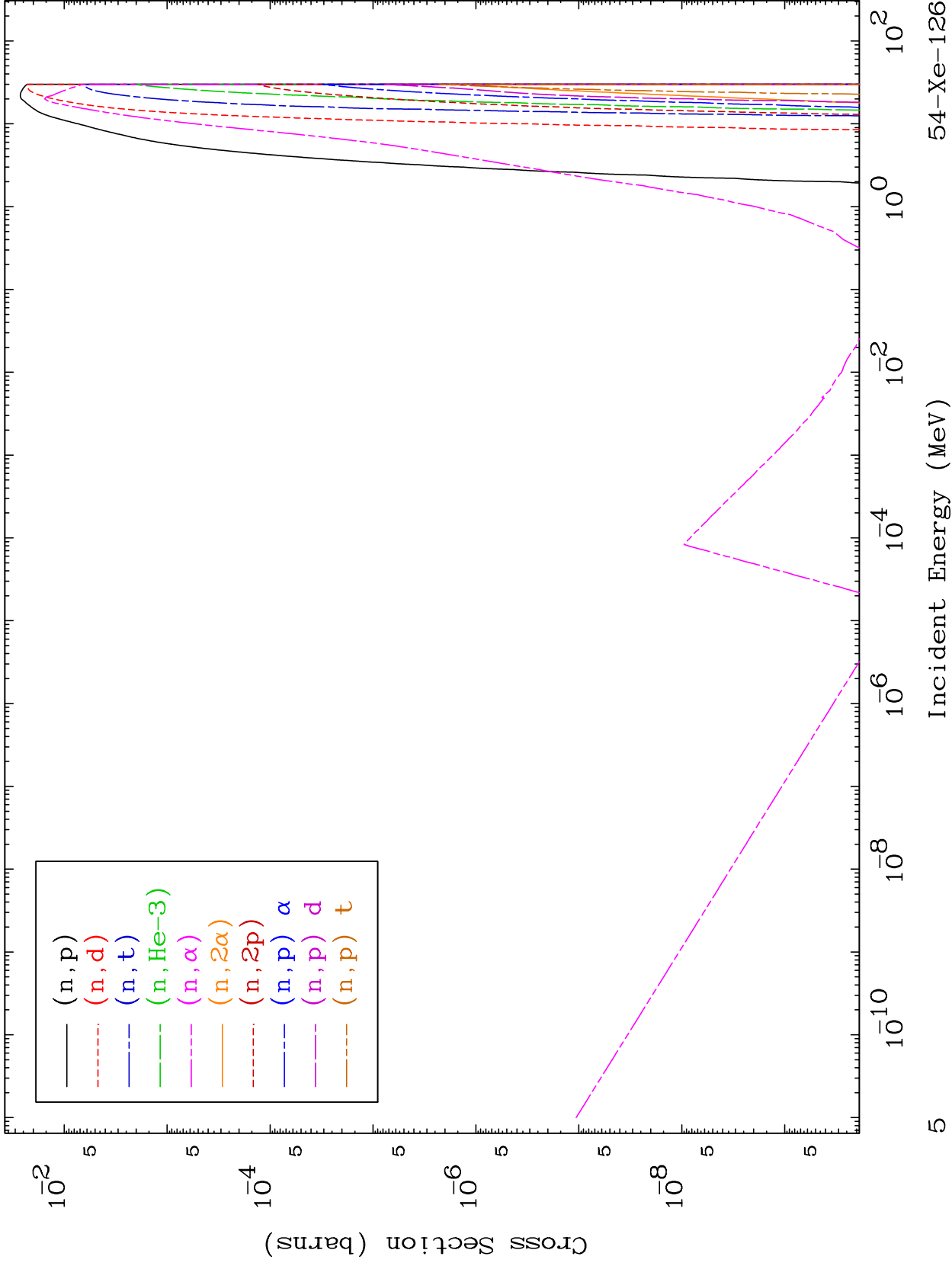
54-Xe-126







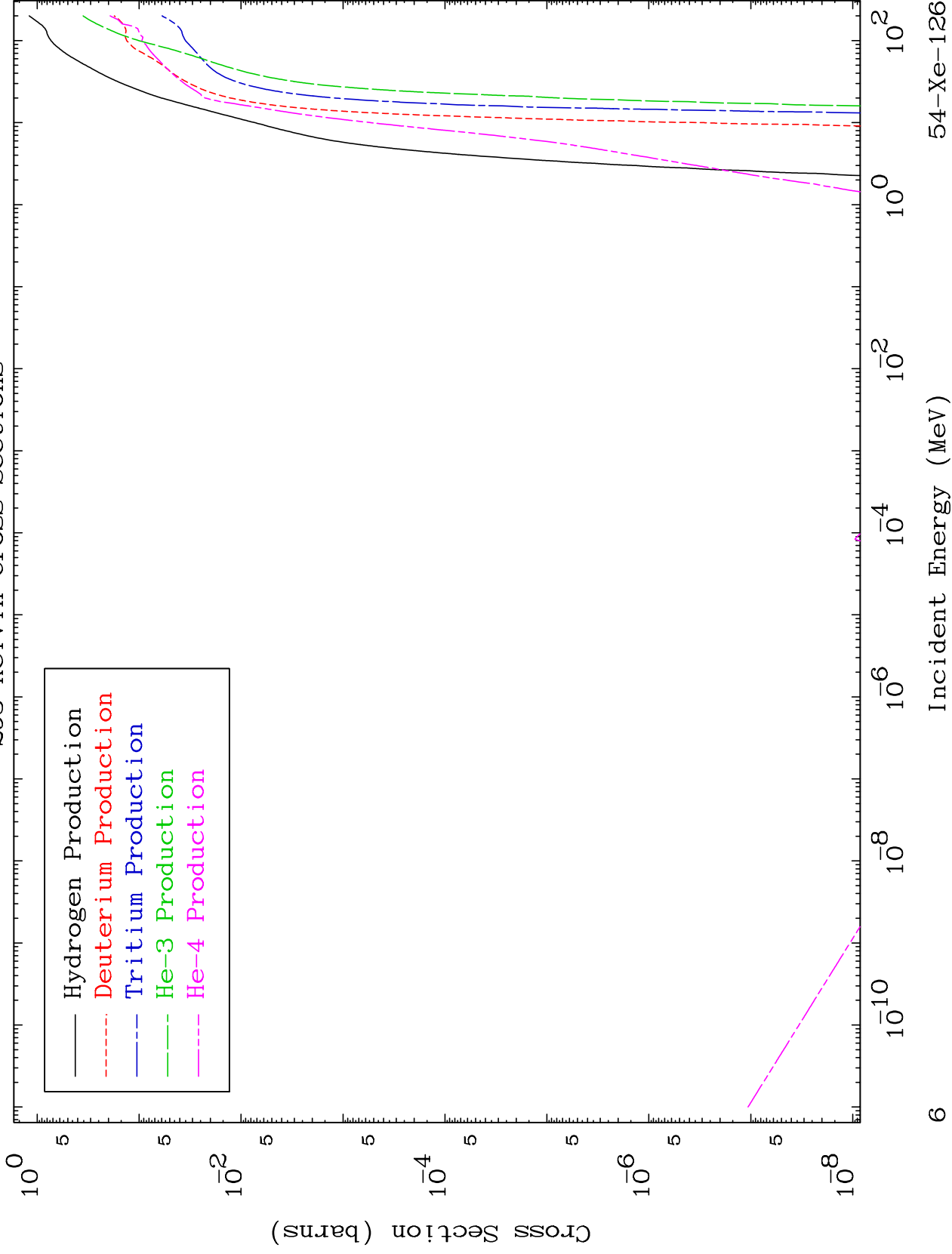




MAT 5431

Particle Production
293 Kelvin Cross Sections

54-Xe-126

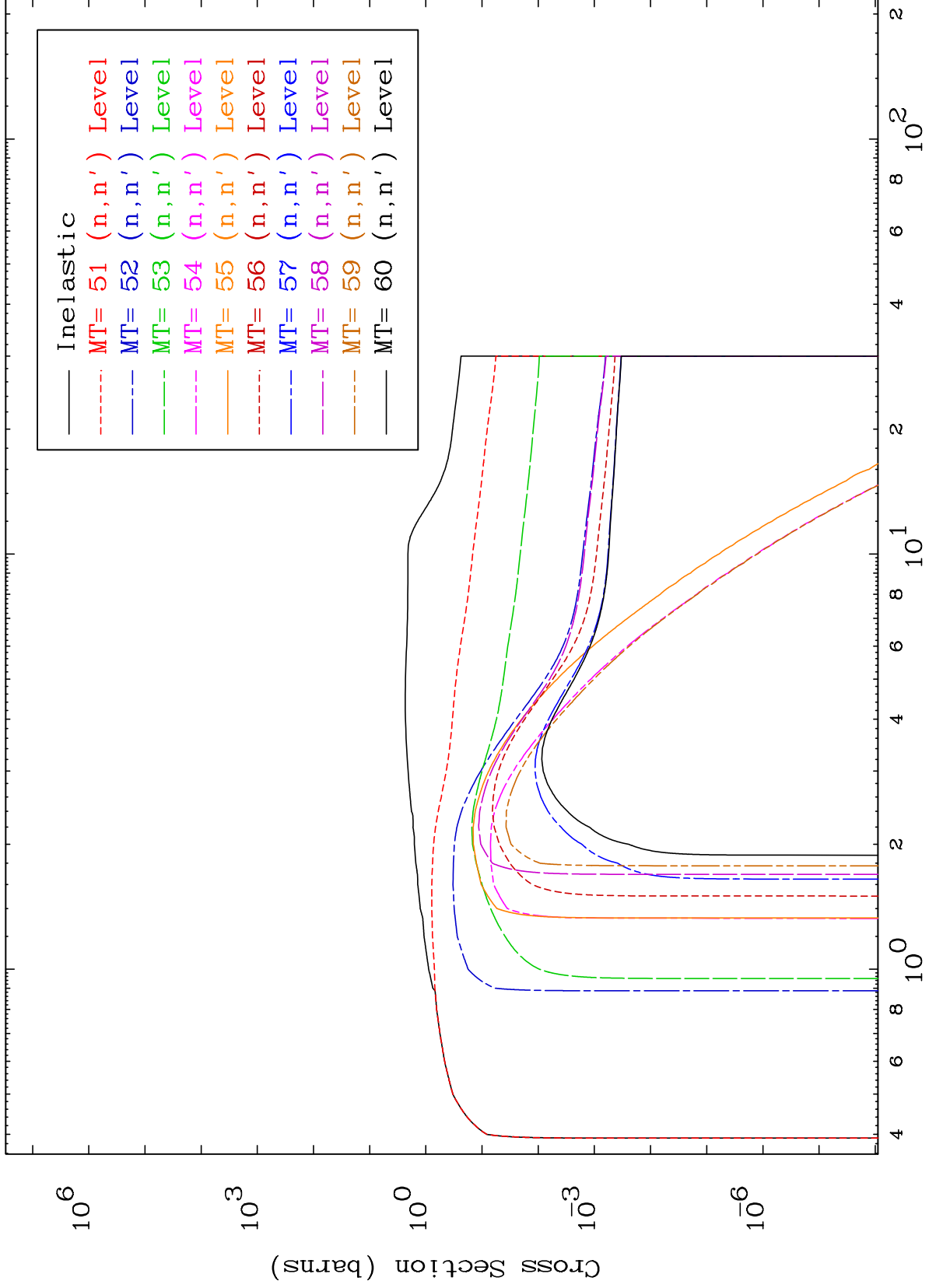


MAT 5431

(n,n') Level

54-Xe-126

293 Kelvin Cross Sections

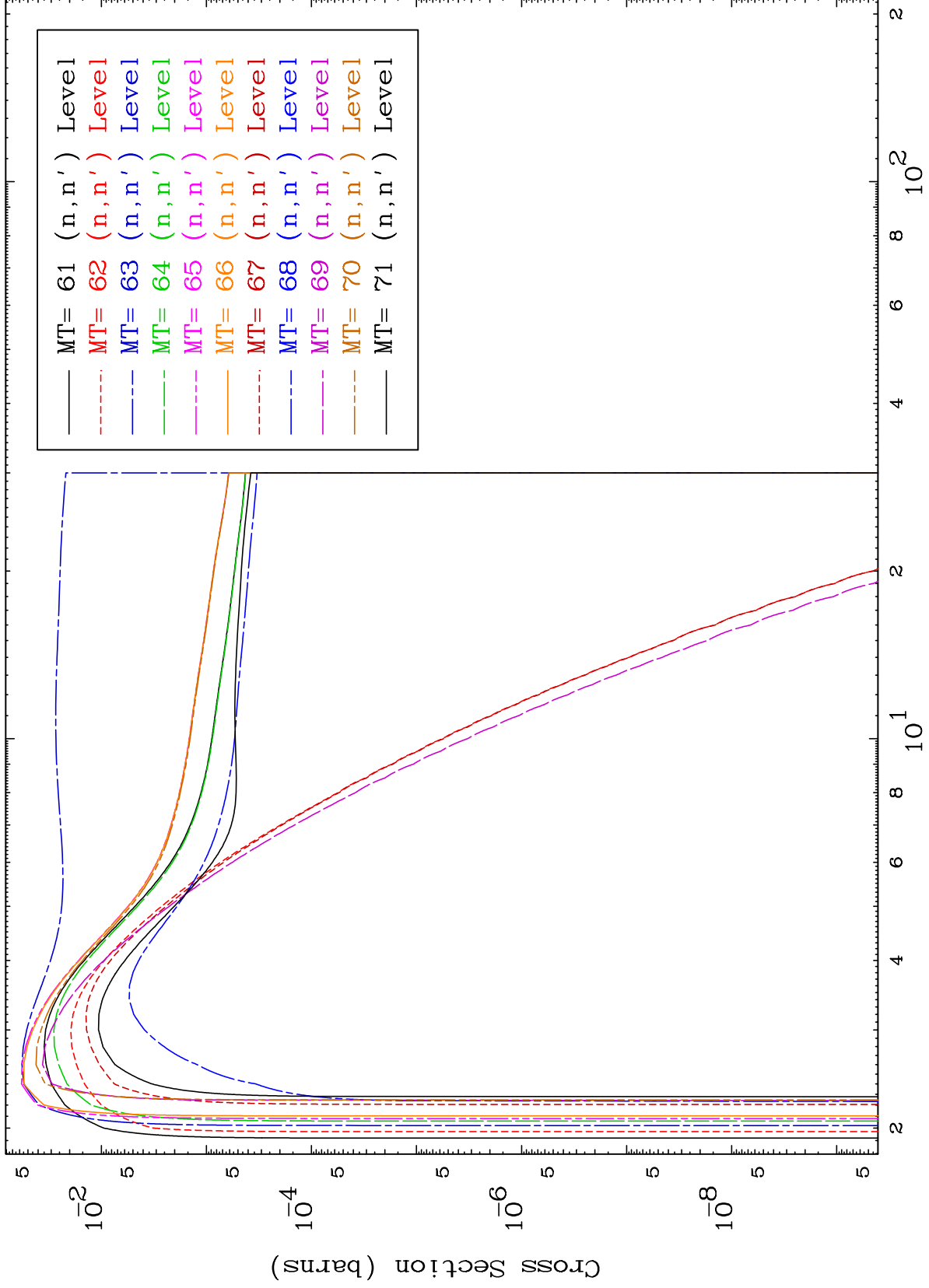


MAT 5431

(n,n') Level

54-Xe-126

293 Kelvin Cross Sections

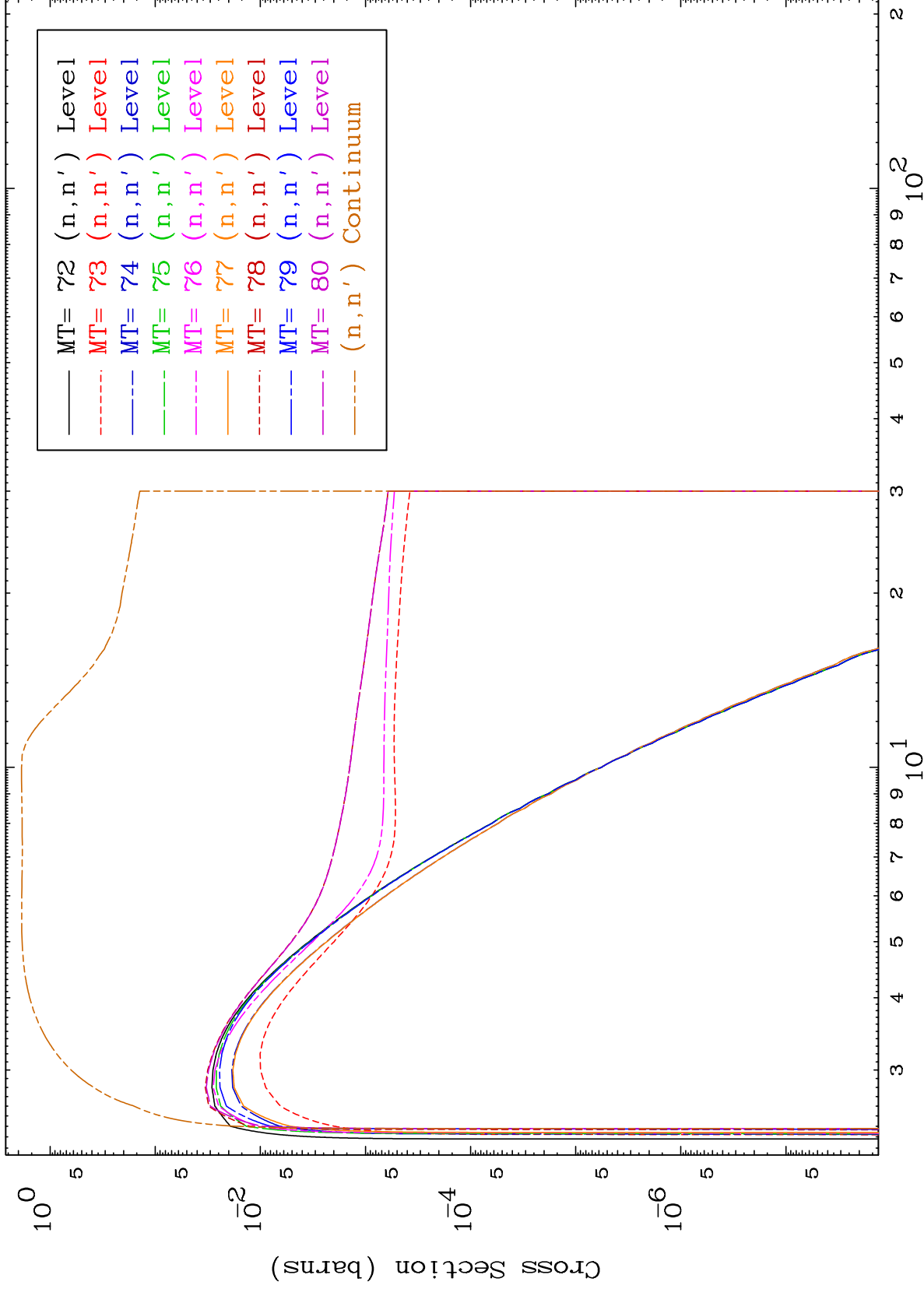


8

Incident Energy (MeV)

54-Xe-126

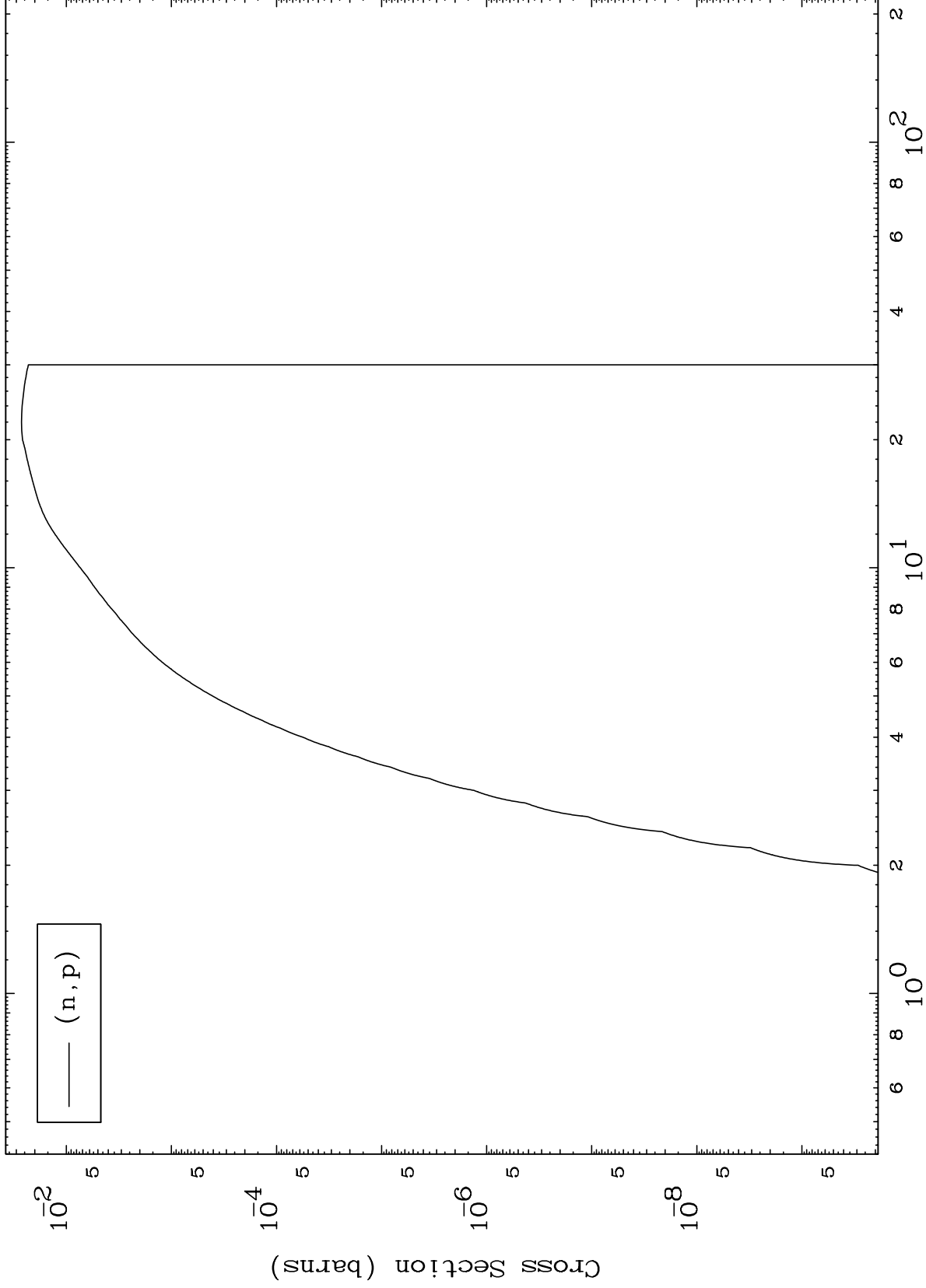
293 Kelvin Cross Sections



MAT 5431

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-126



10

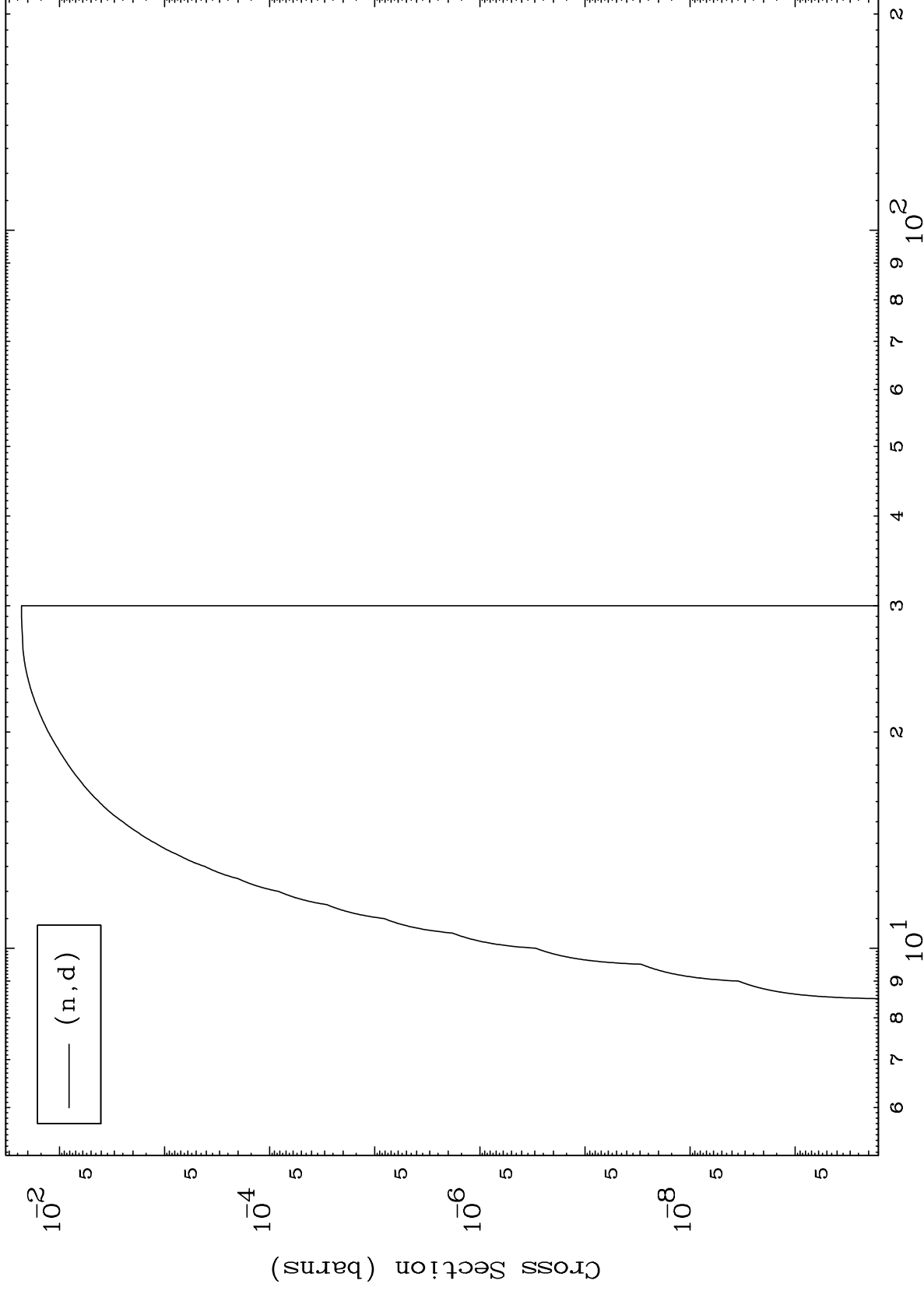
Incident Energy (MeV)

54-Xe-126

MAT 5431

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-126



11

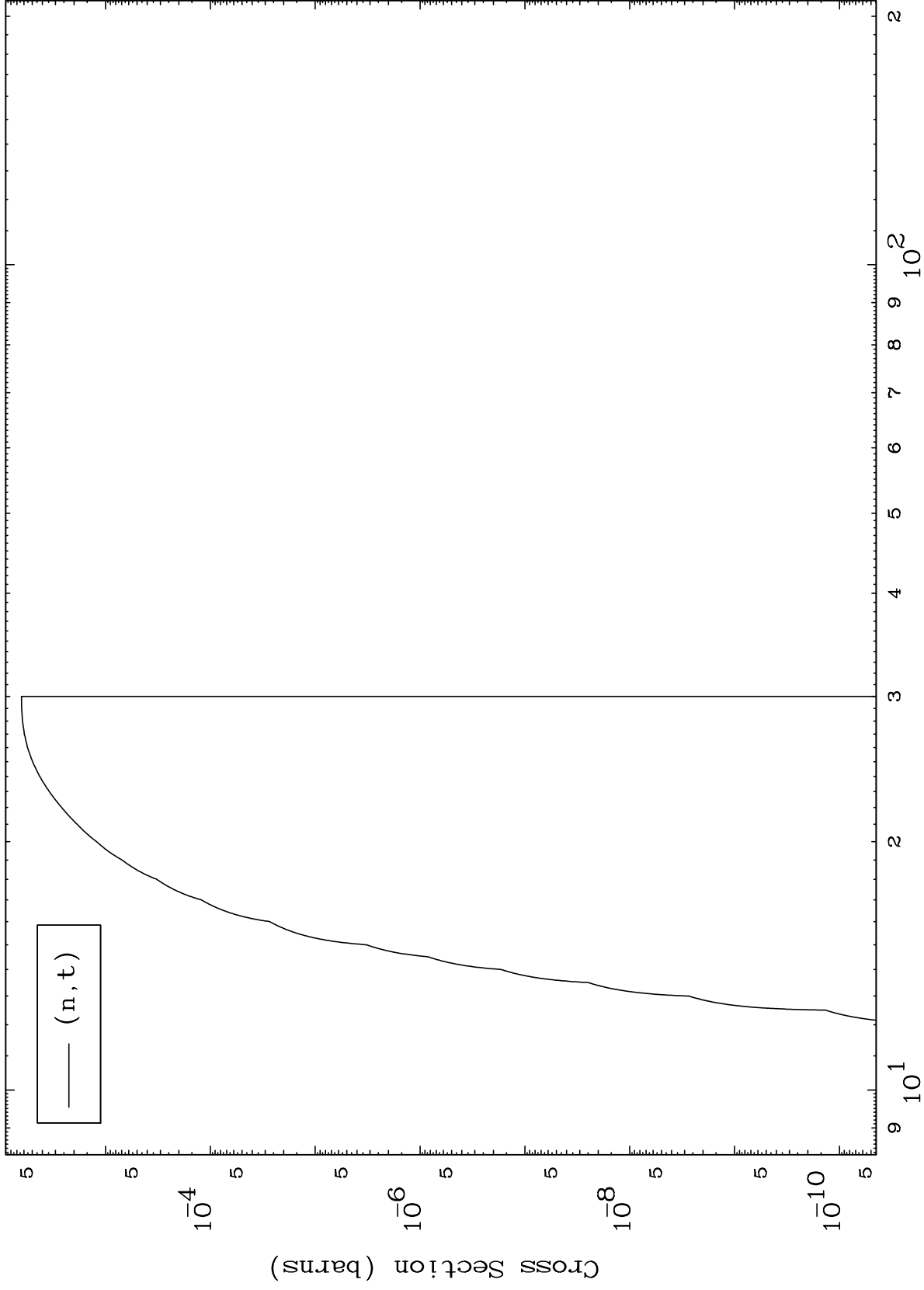
Incident Energy (MeV)

54-Xe-126

MAT 5431

(n,t) Levels
293 Kelvin Cross Sections

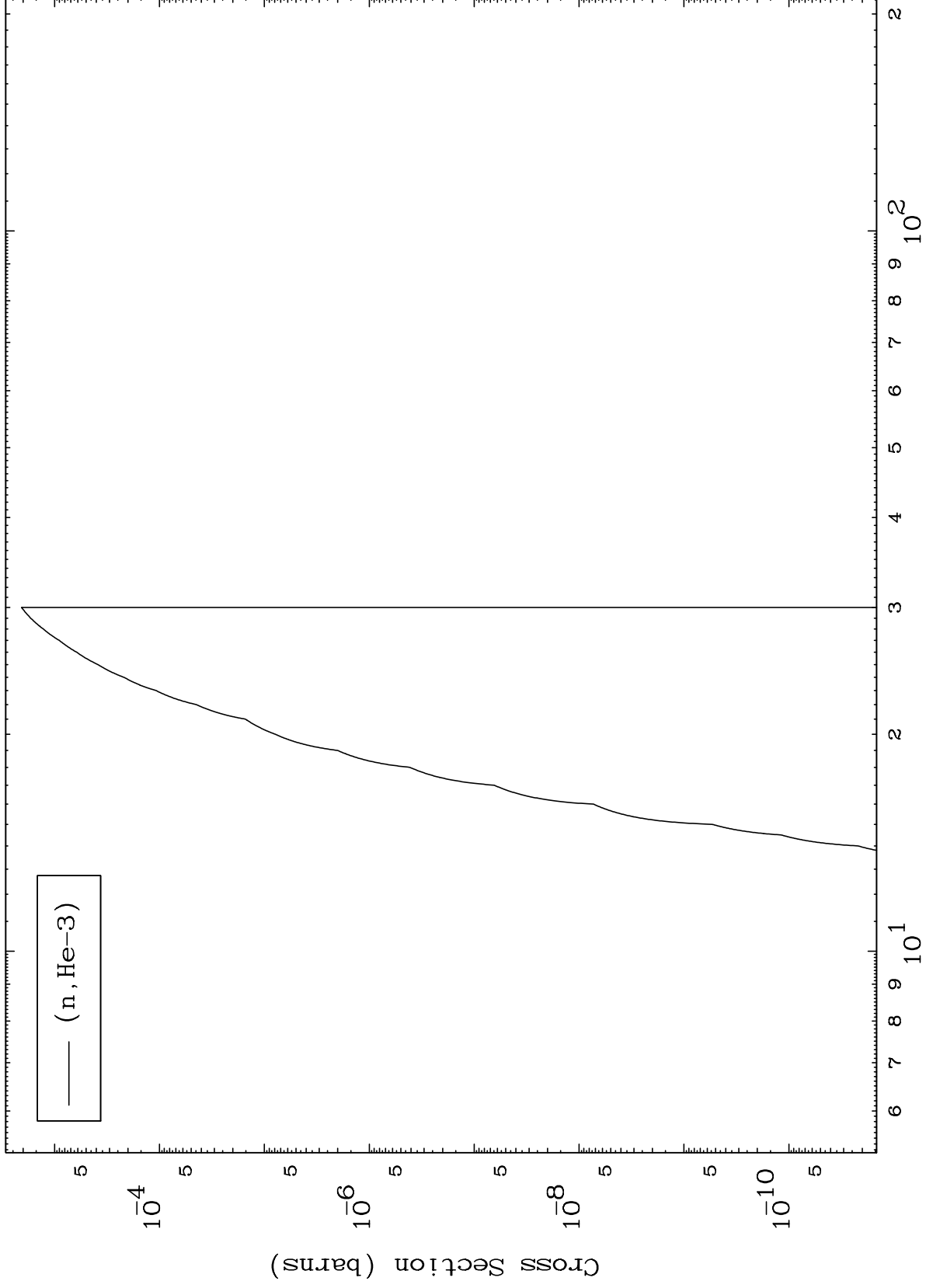
54-Xe-126



12

Incident Energy (MeV)

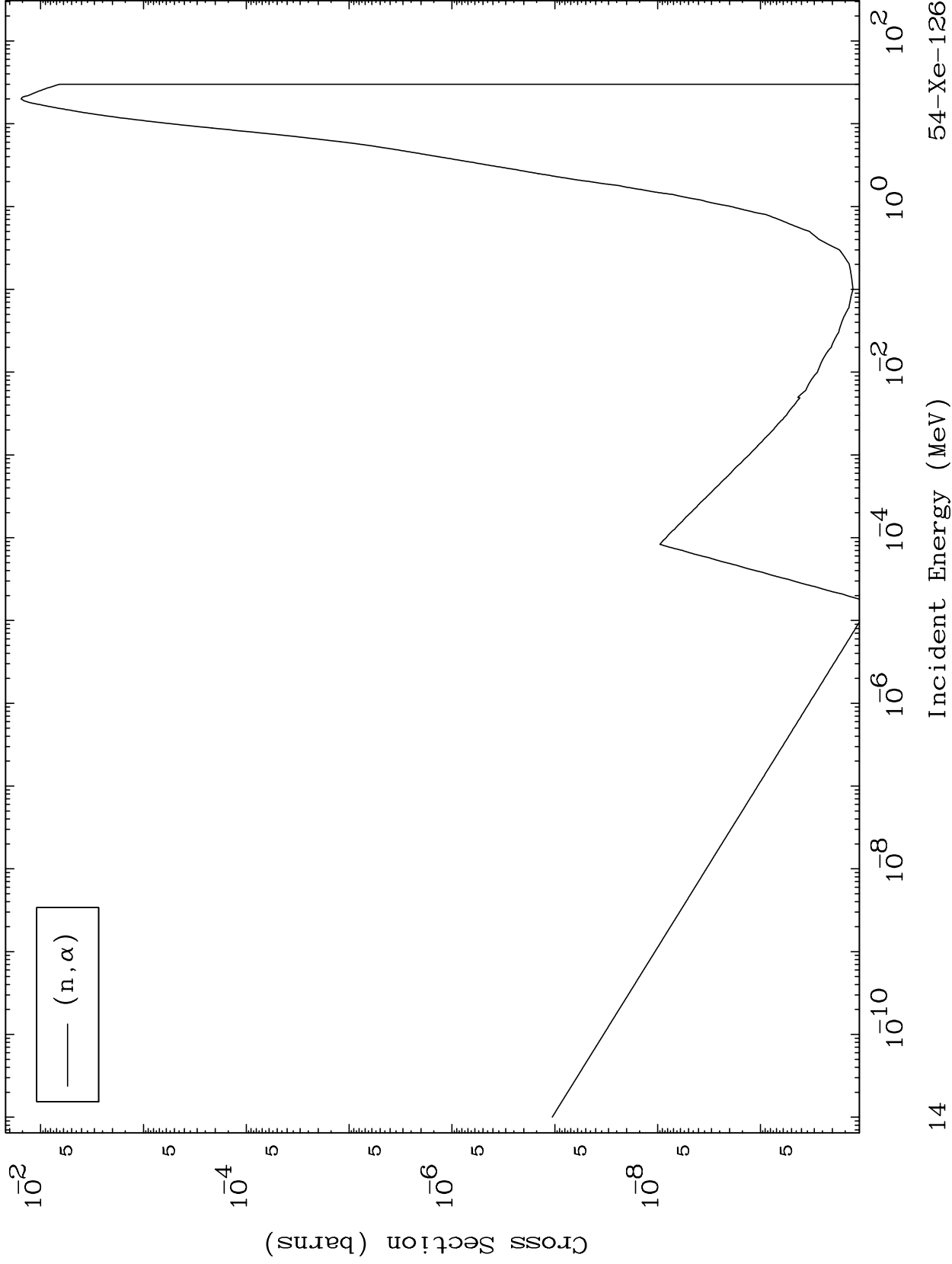
54-Xe-126

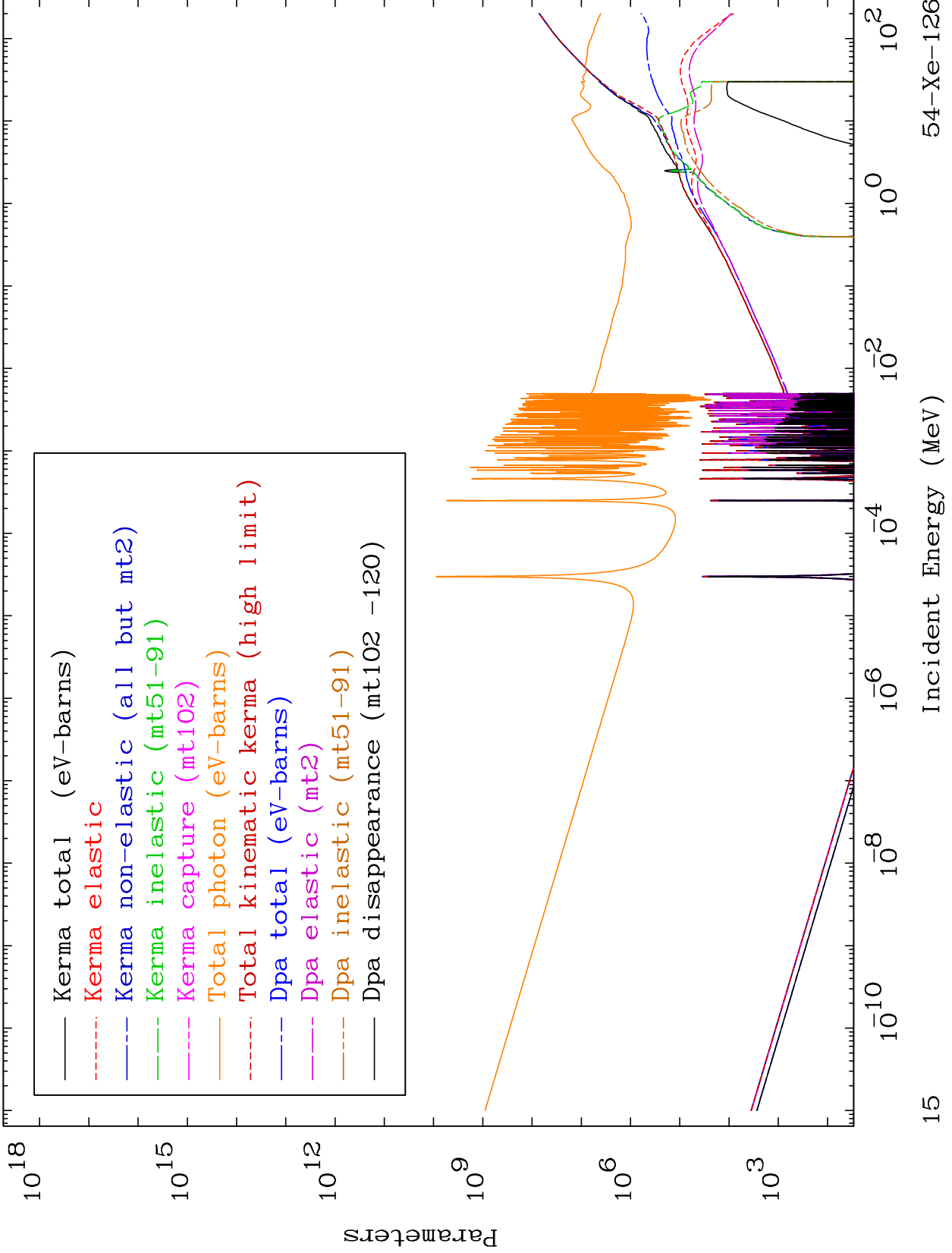


MAT 5431

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-126

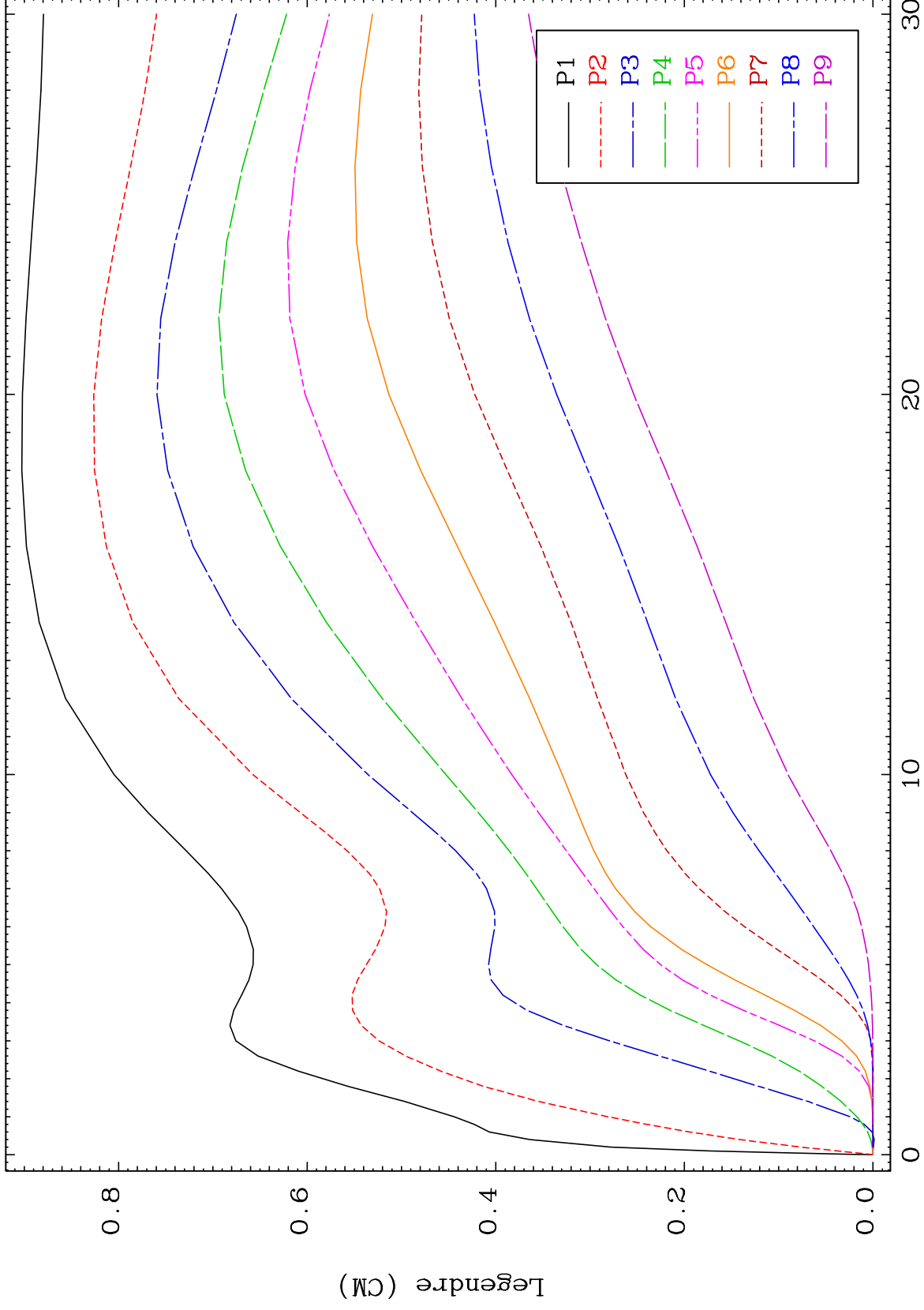




MAT 5431

54-Xe-126

Elastic Legendre Coefficients



54-Xe-126

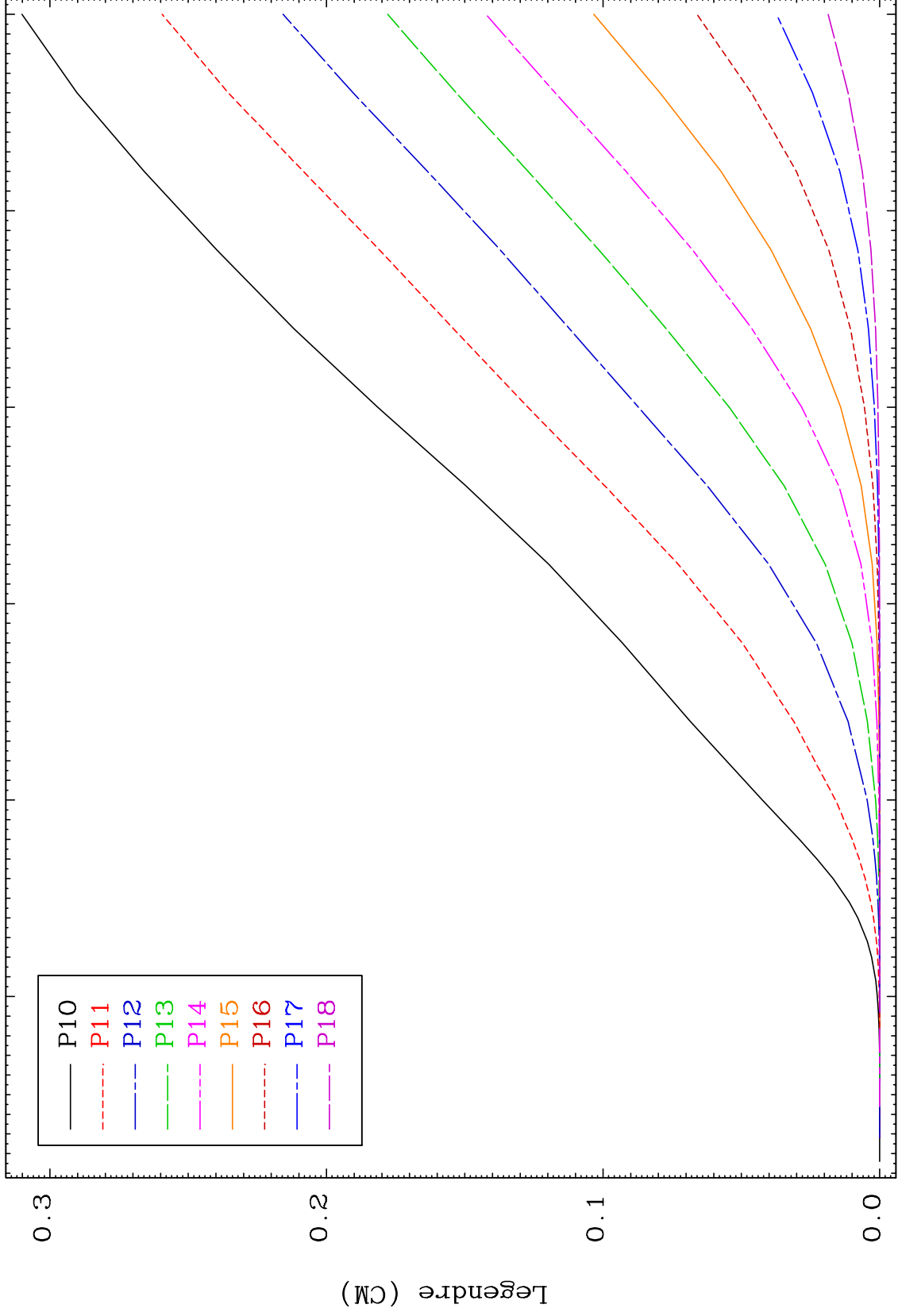
Incident Energy (MeV)

16

MAT 5431

Elastic Legendre Coefficients

54-Xe-126



17

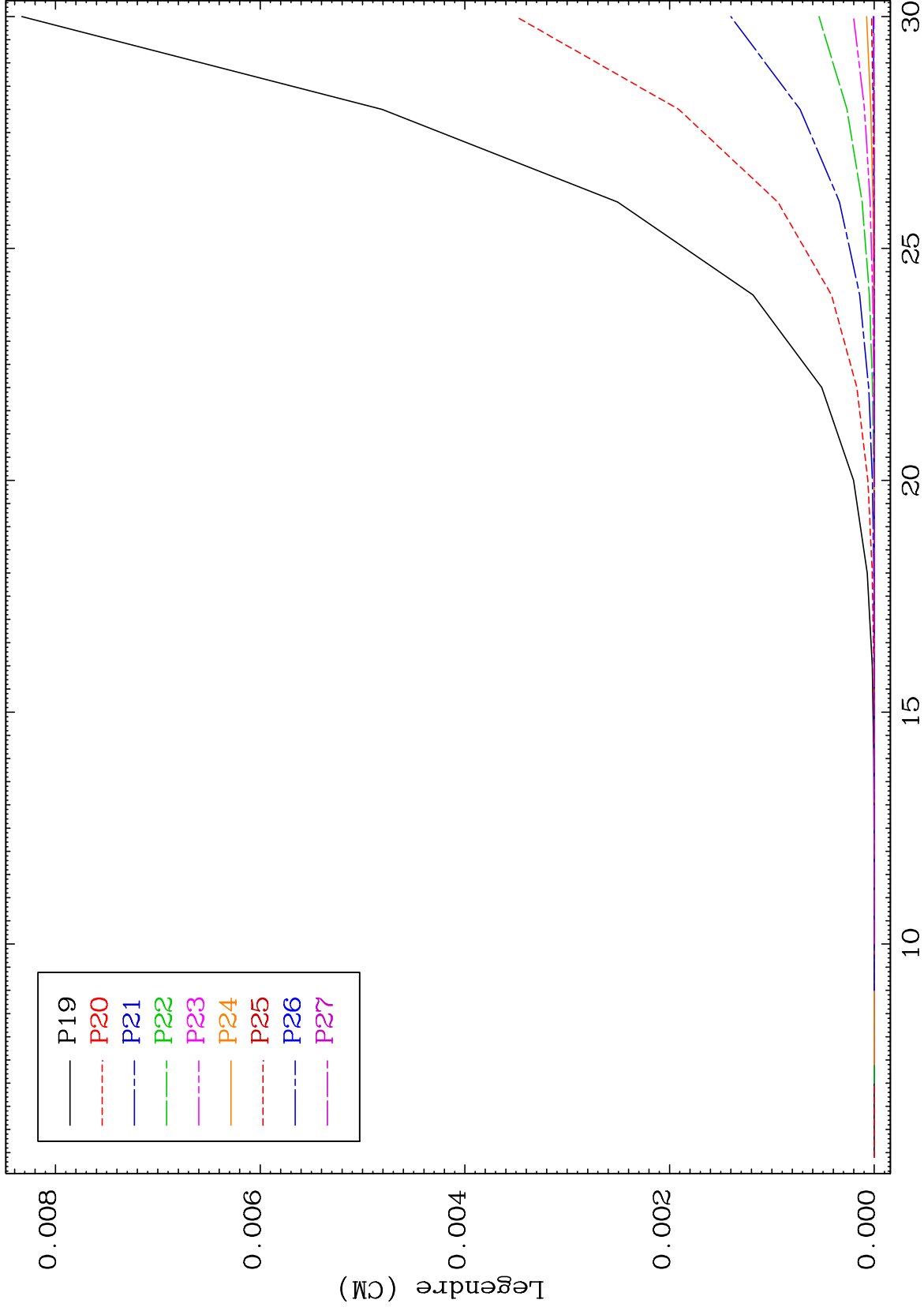
Incident Energy (MeV)

54-Xe-126

MAT 5431

Elastic
Legendre Coefficients

54-Xe-126



18

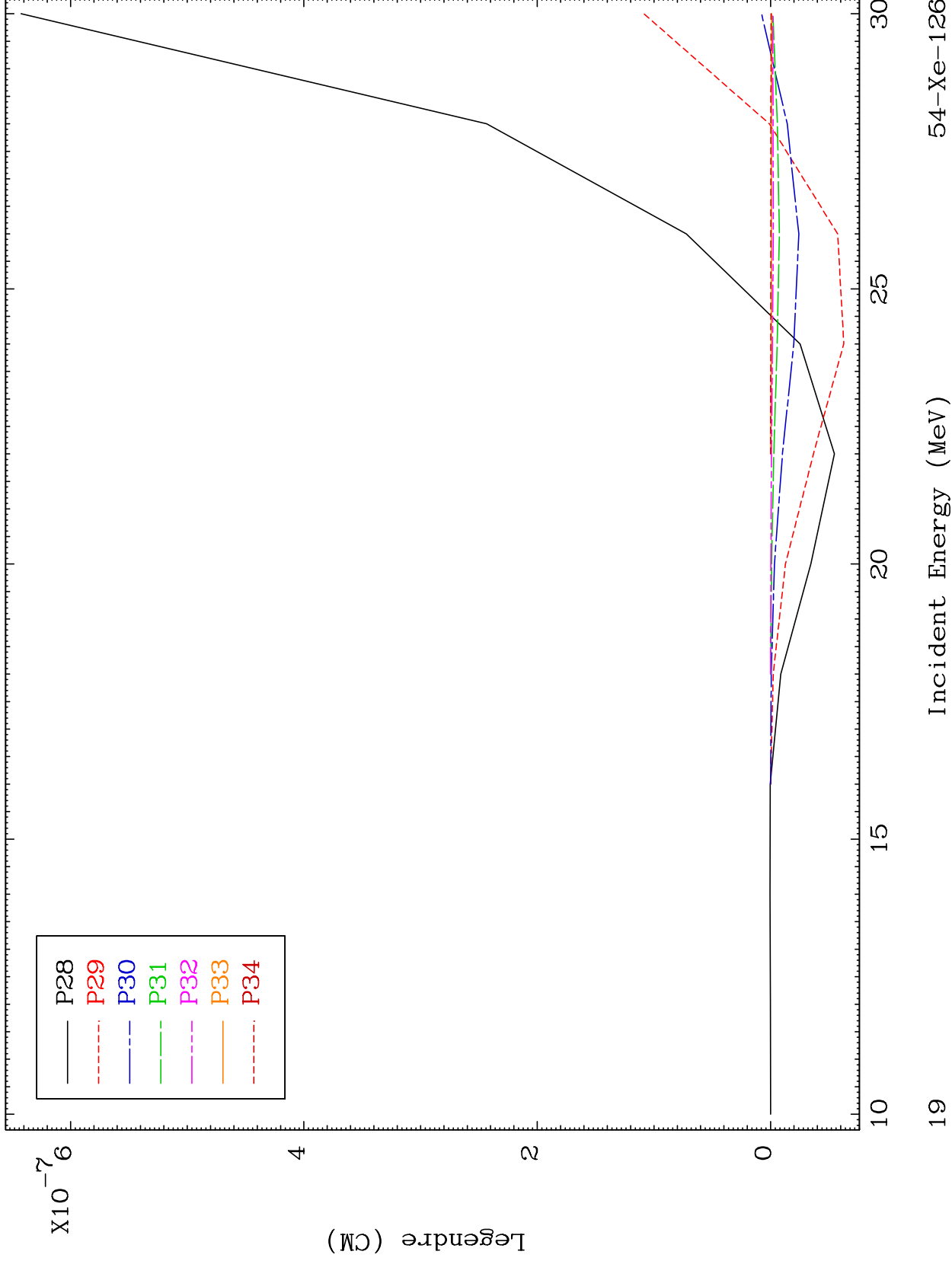
Incident Energy (MeV)

54-Xe-126

MAT 5431

Elastic
Legendre Coefficients

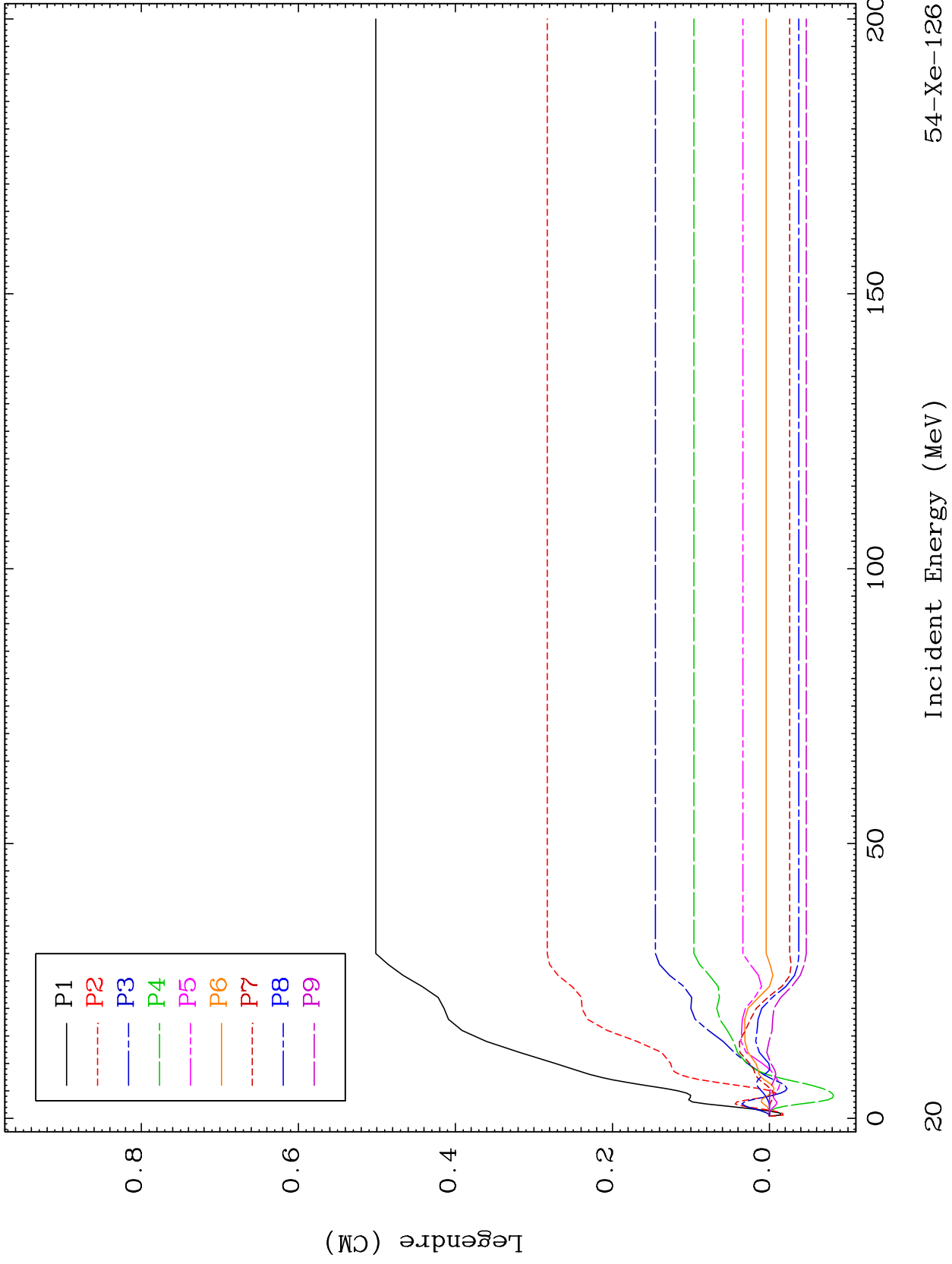
54-Xe-126



MAT 5431

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

54-Xe-126



54-Xe-126

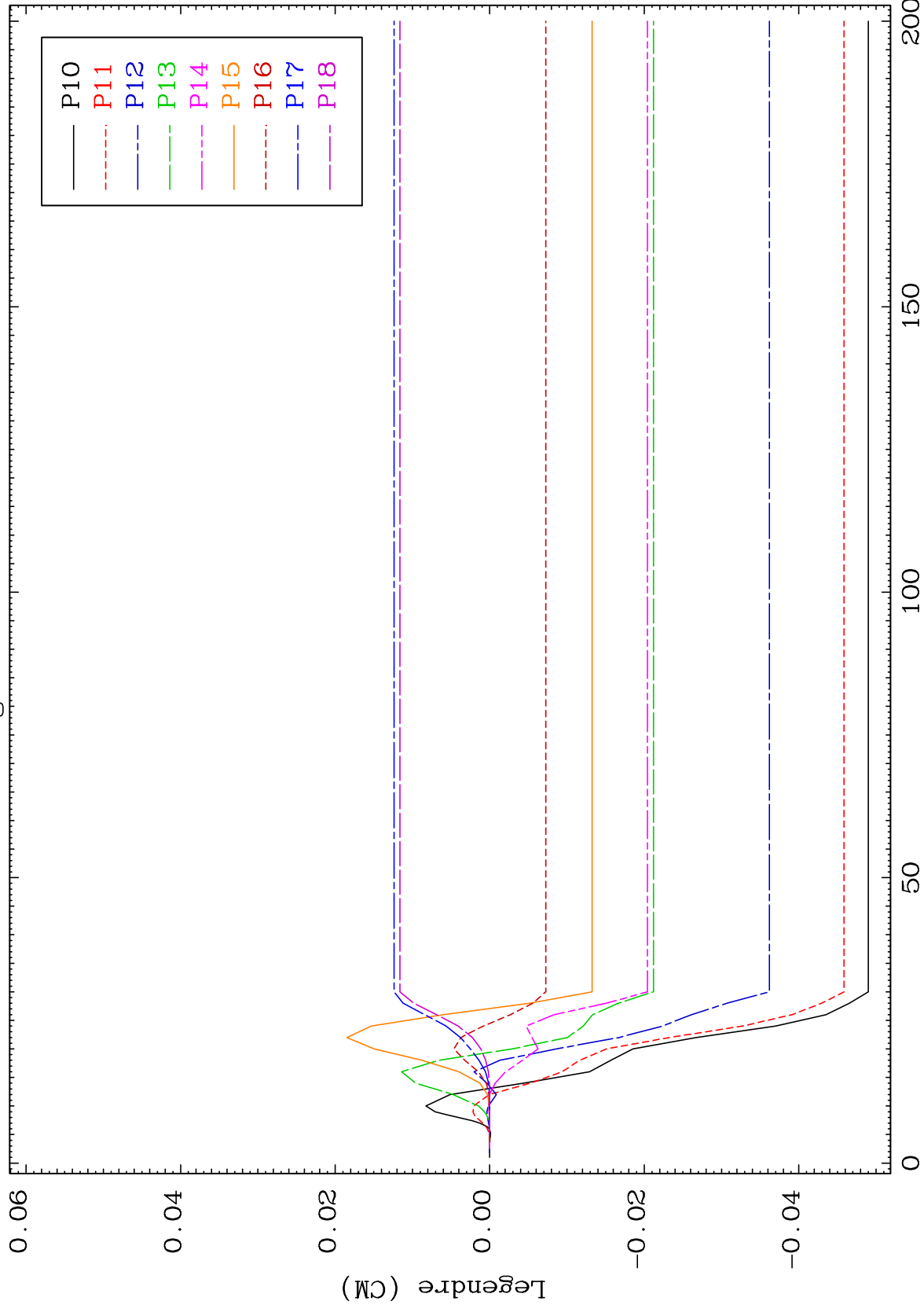
Incident Energy (MeV)

0

MAT 5431

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

54-Xe-126



21

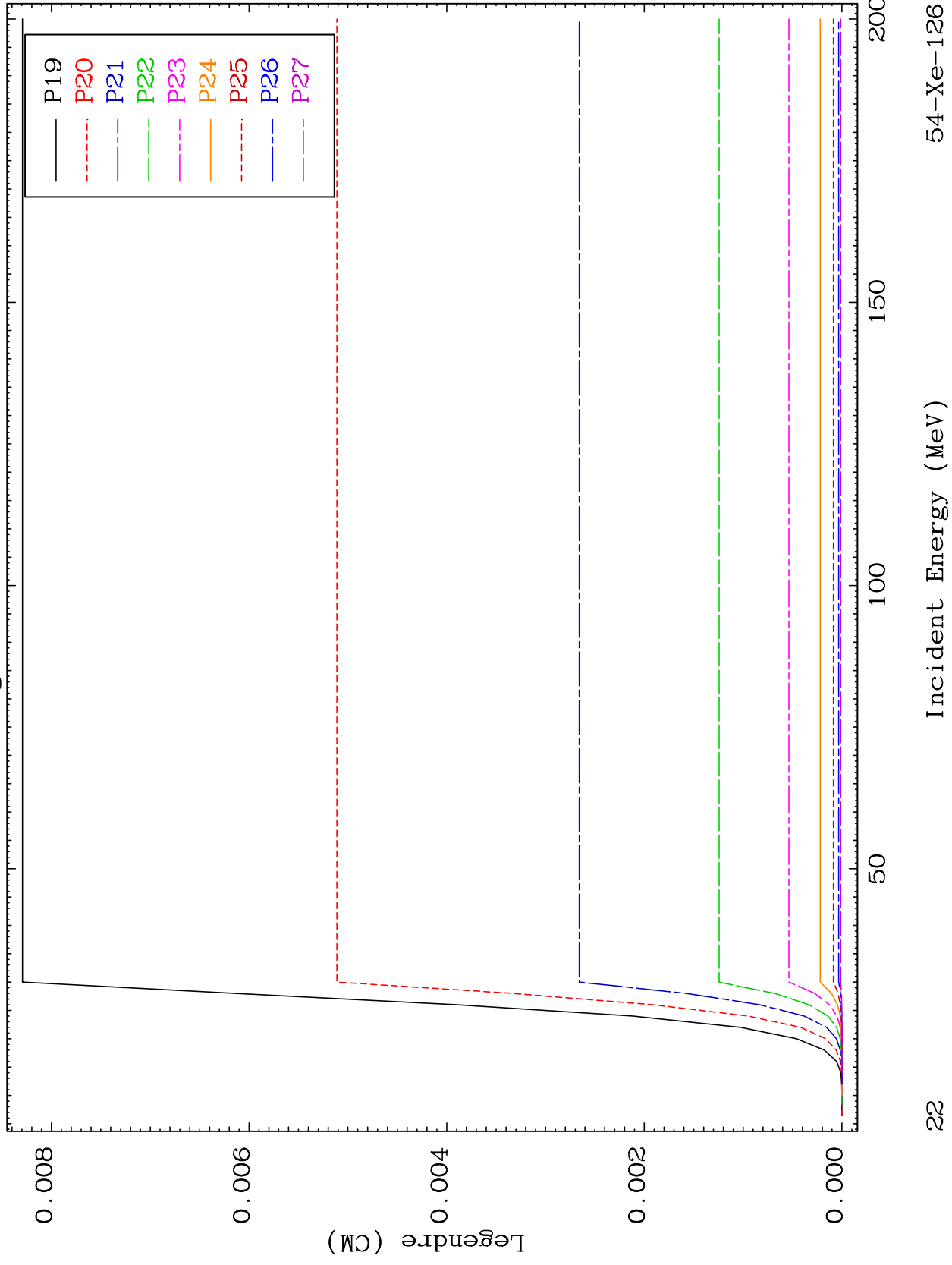
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



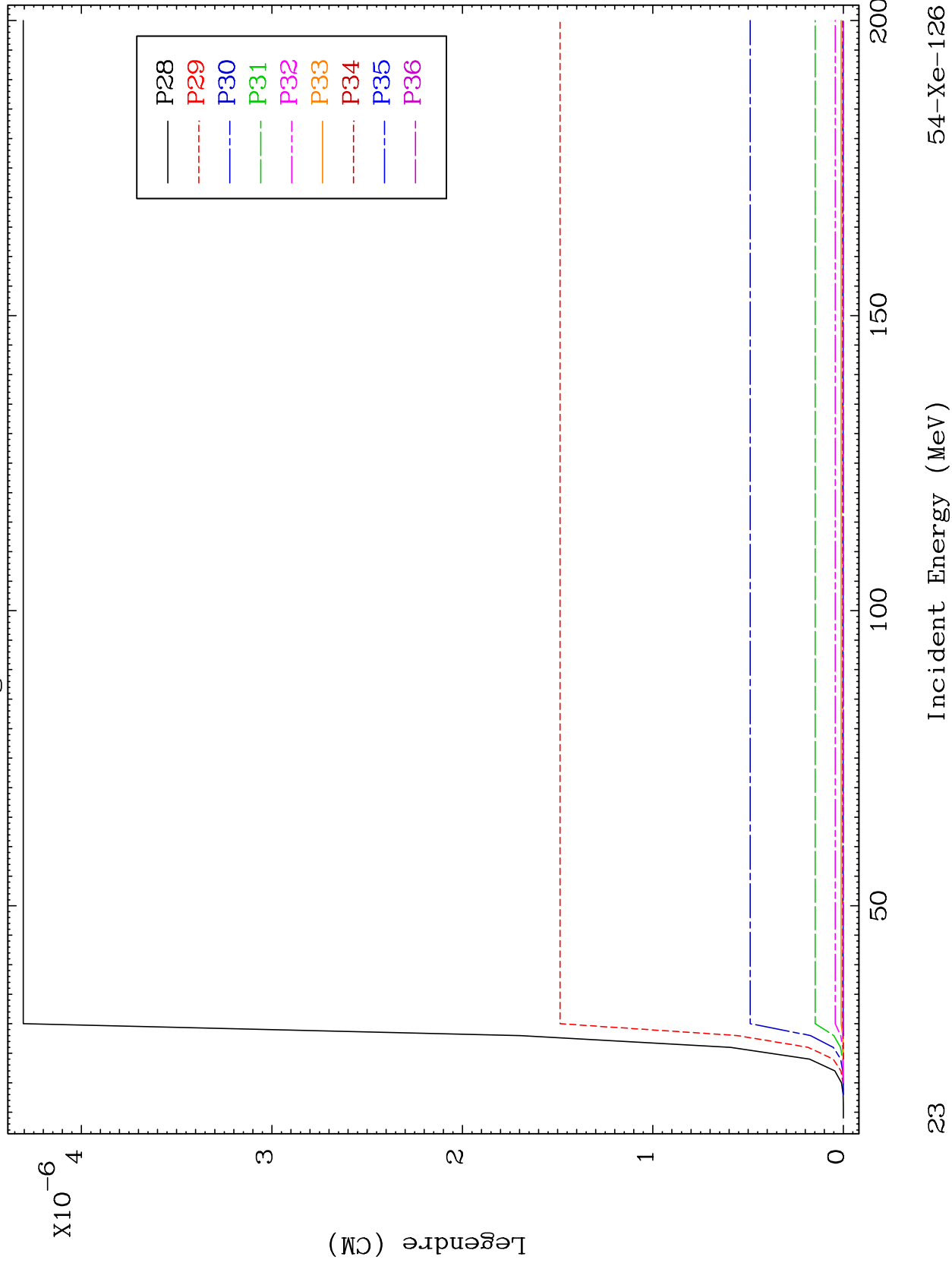
22

54-Xe-126

MAT 5431

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

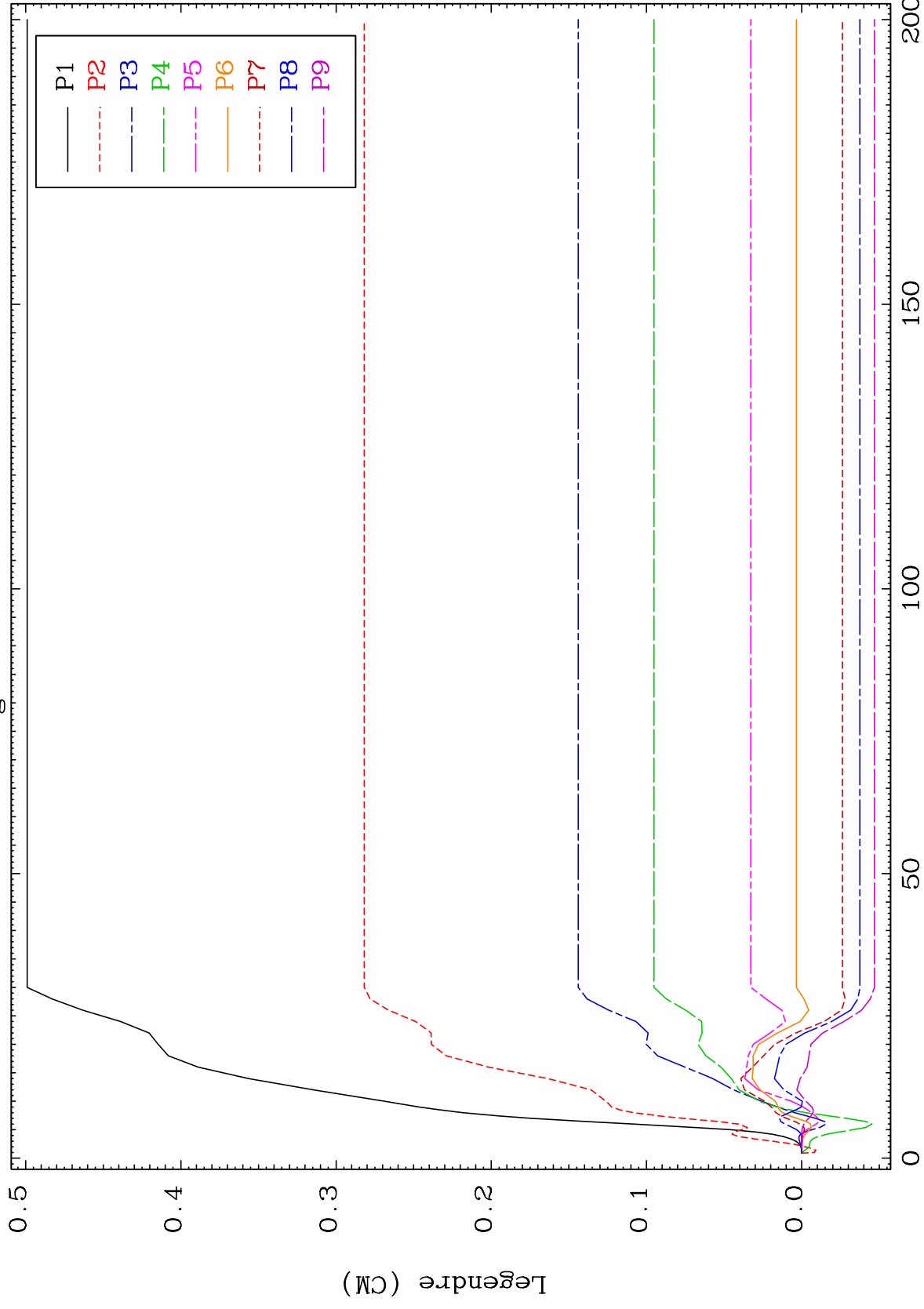
54-Xe-126



MAT 5431

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

54-Xe-126



24

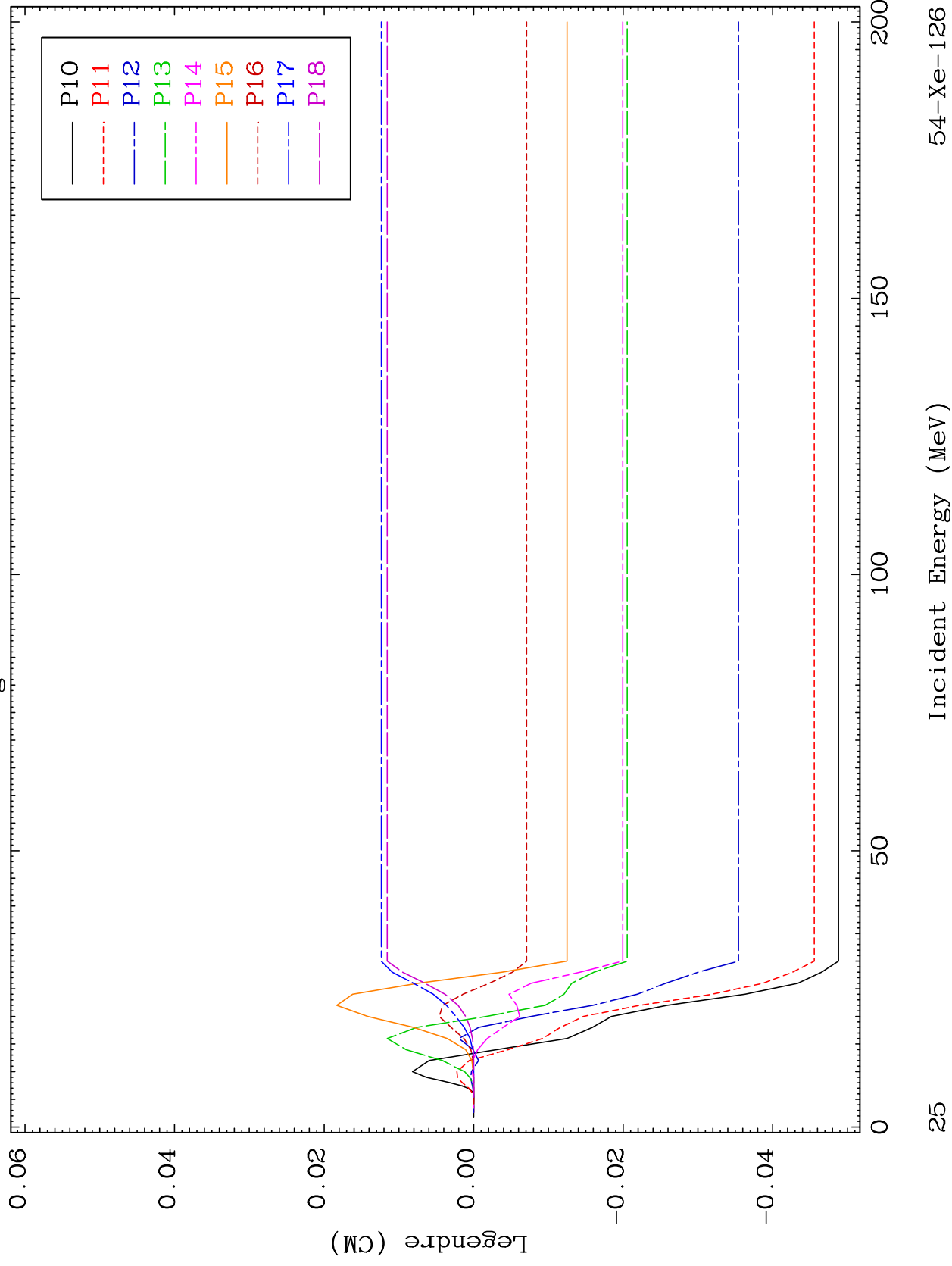
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

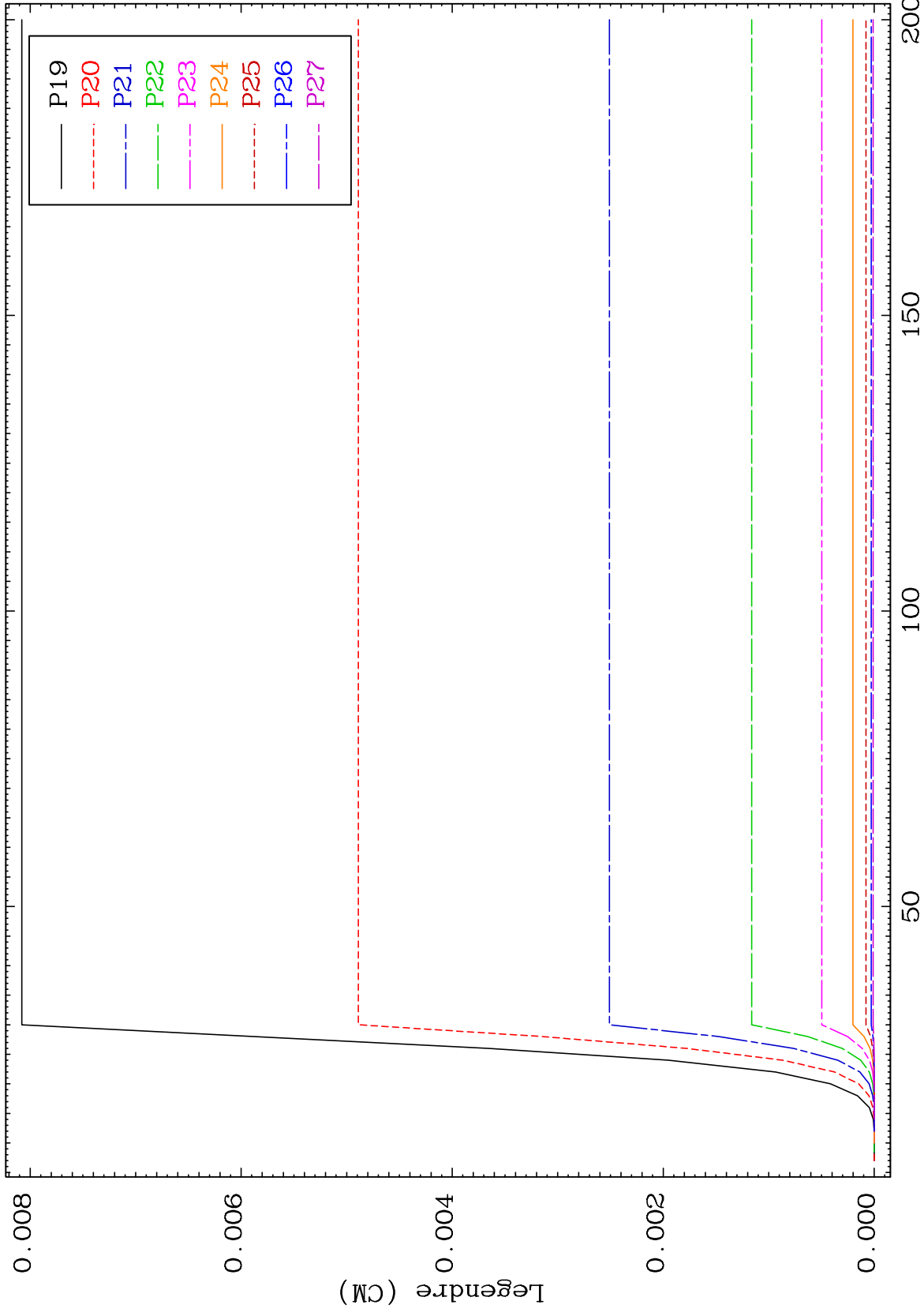
Incident Energy (MeV)

25

MAT 5431

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

54-Xe-126



26

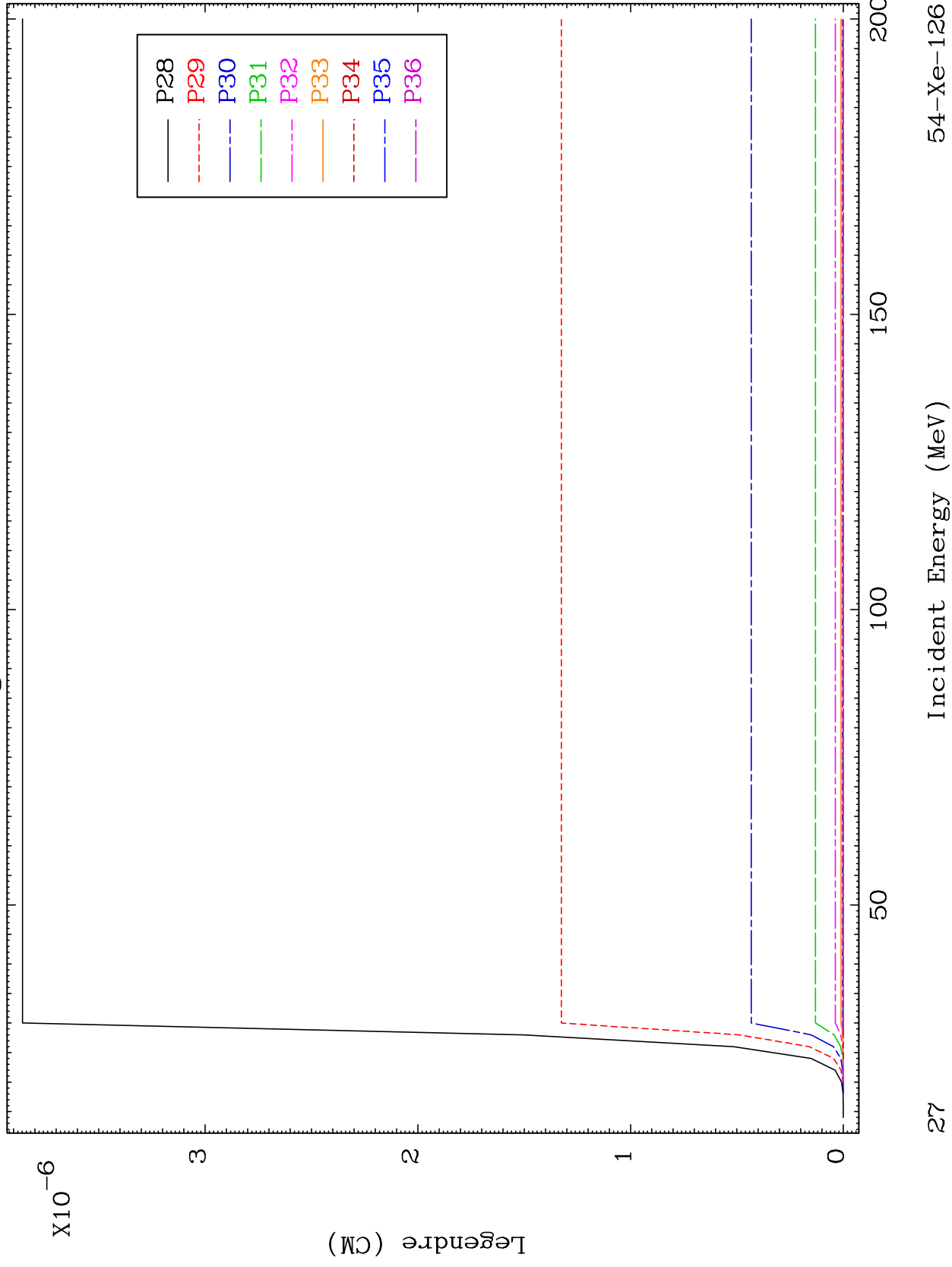
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

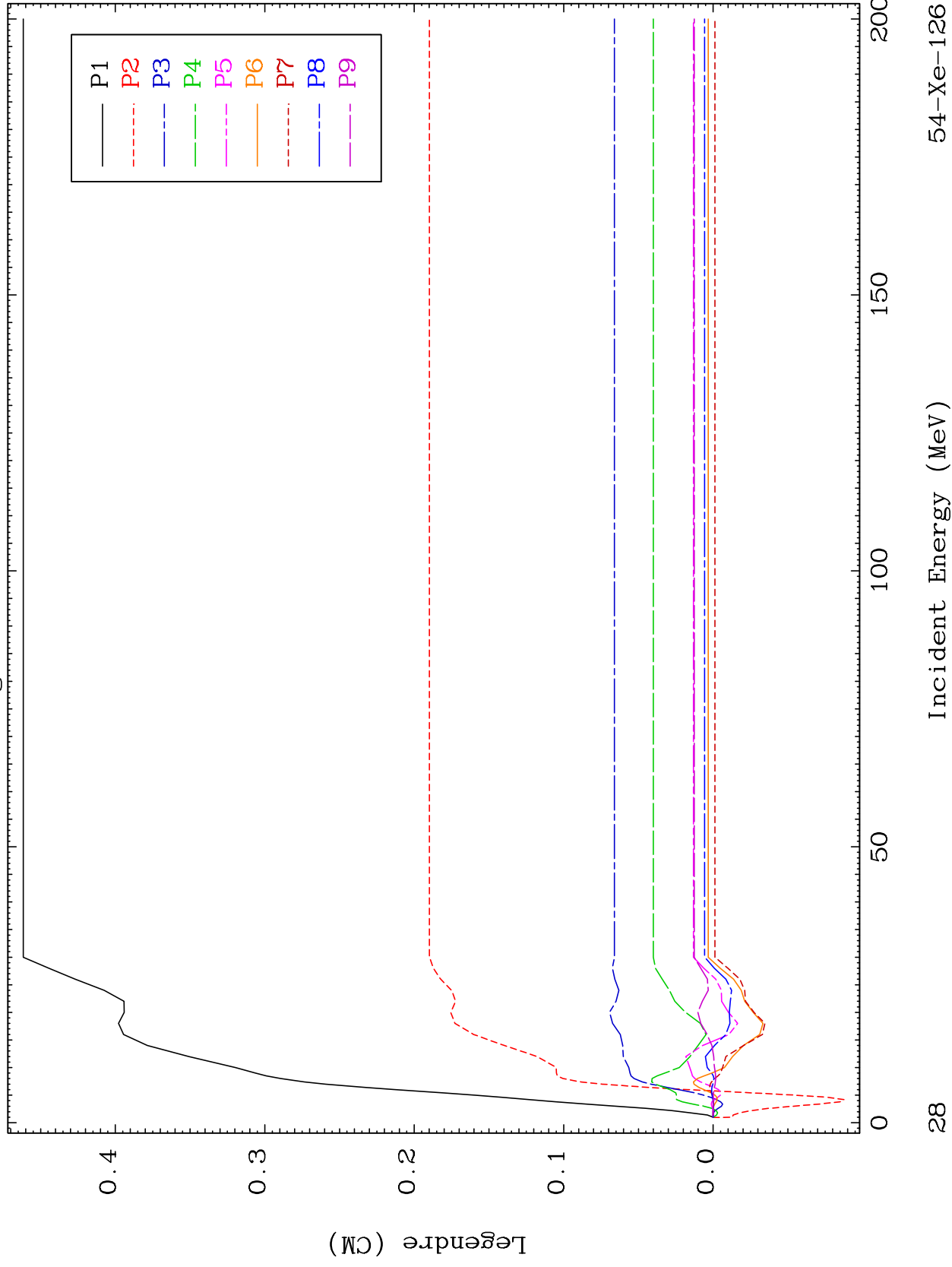
54-Xe-126



MAT 5431

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

54-Xe-126



54-Xe-126

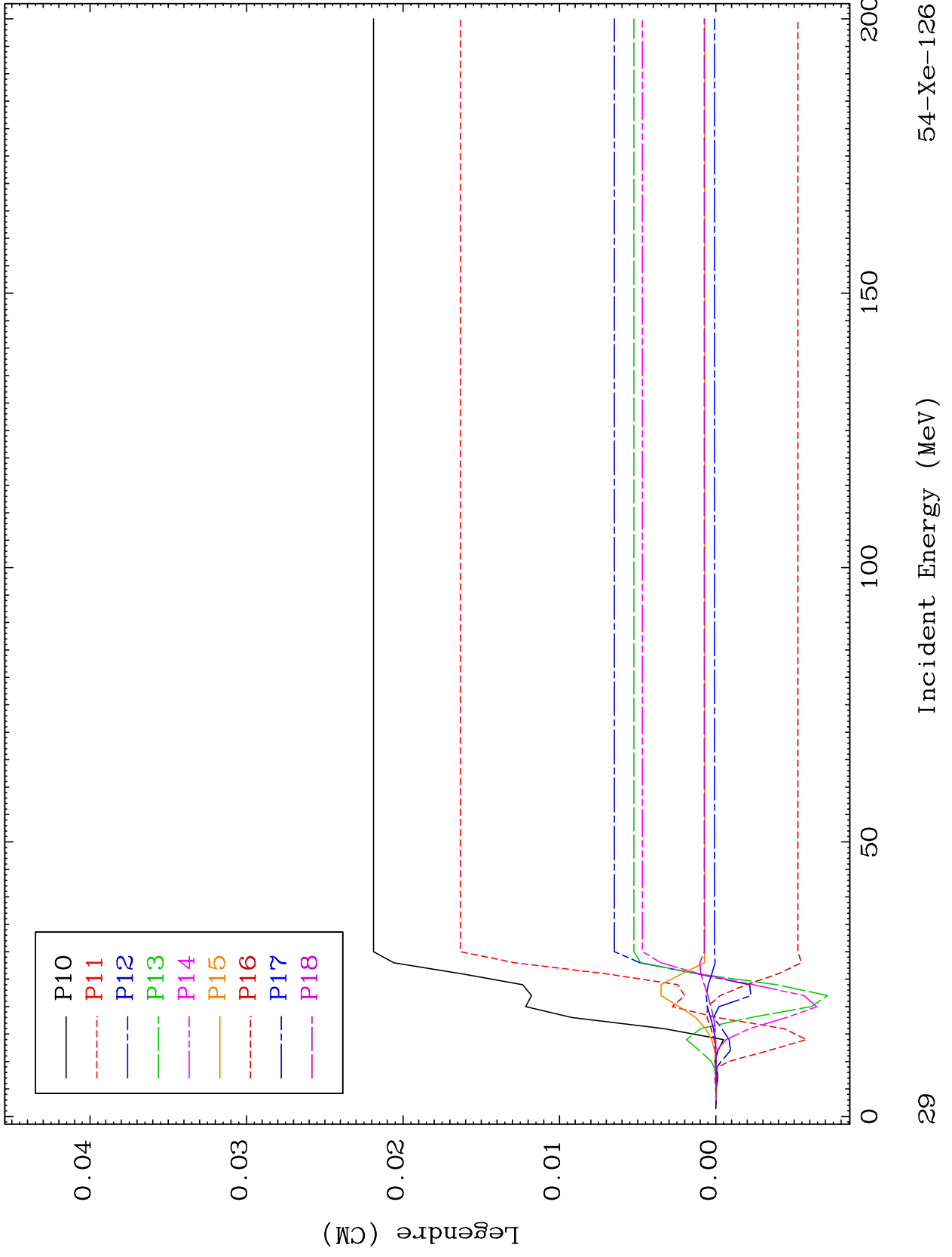
Incident Energy (MeV)

28

MAT 5431

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

54-Xe-126



29

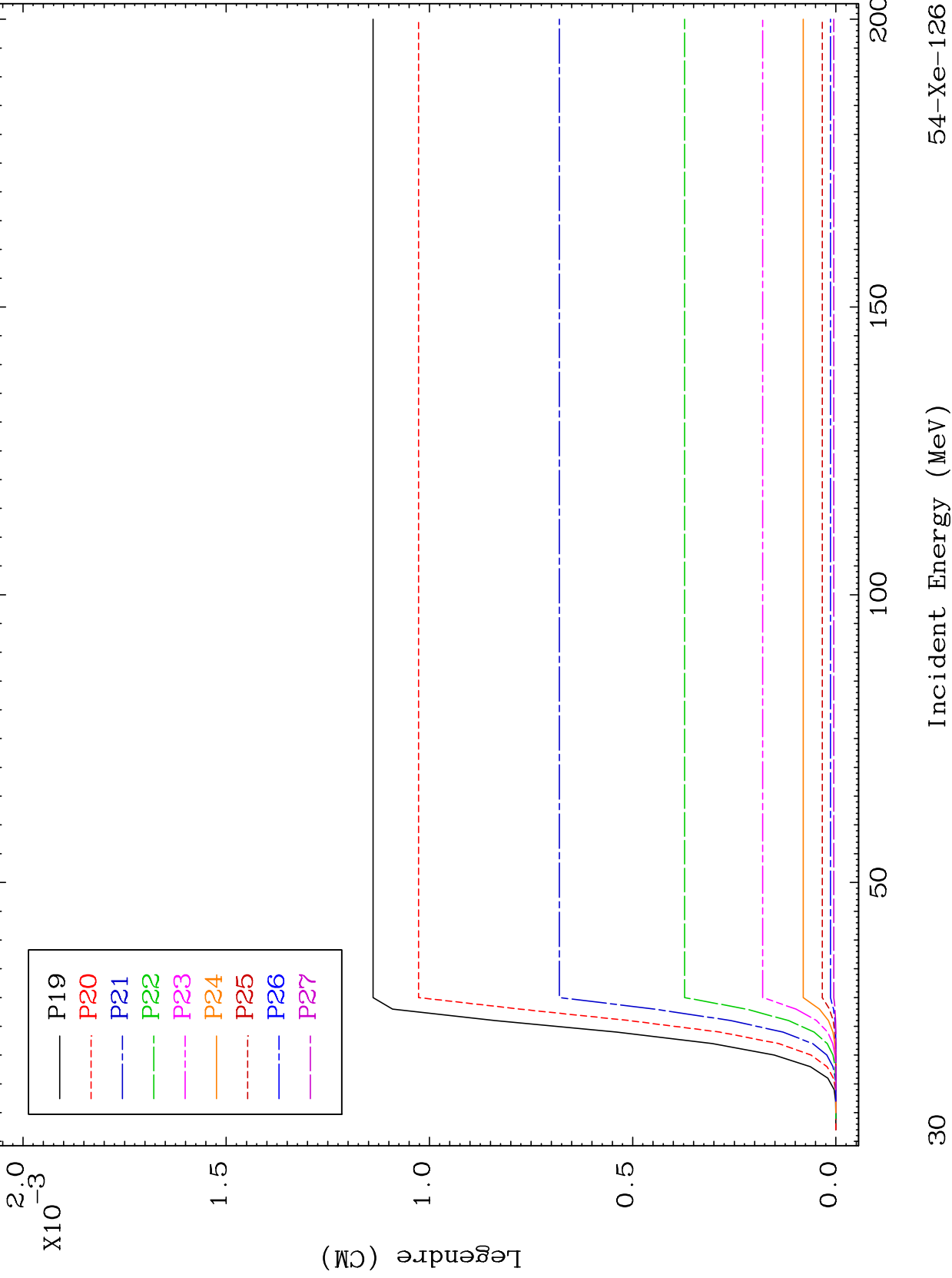
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



30

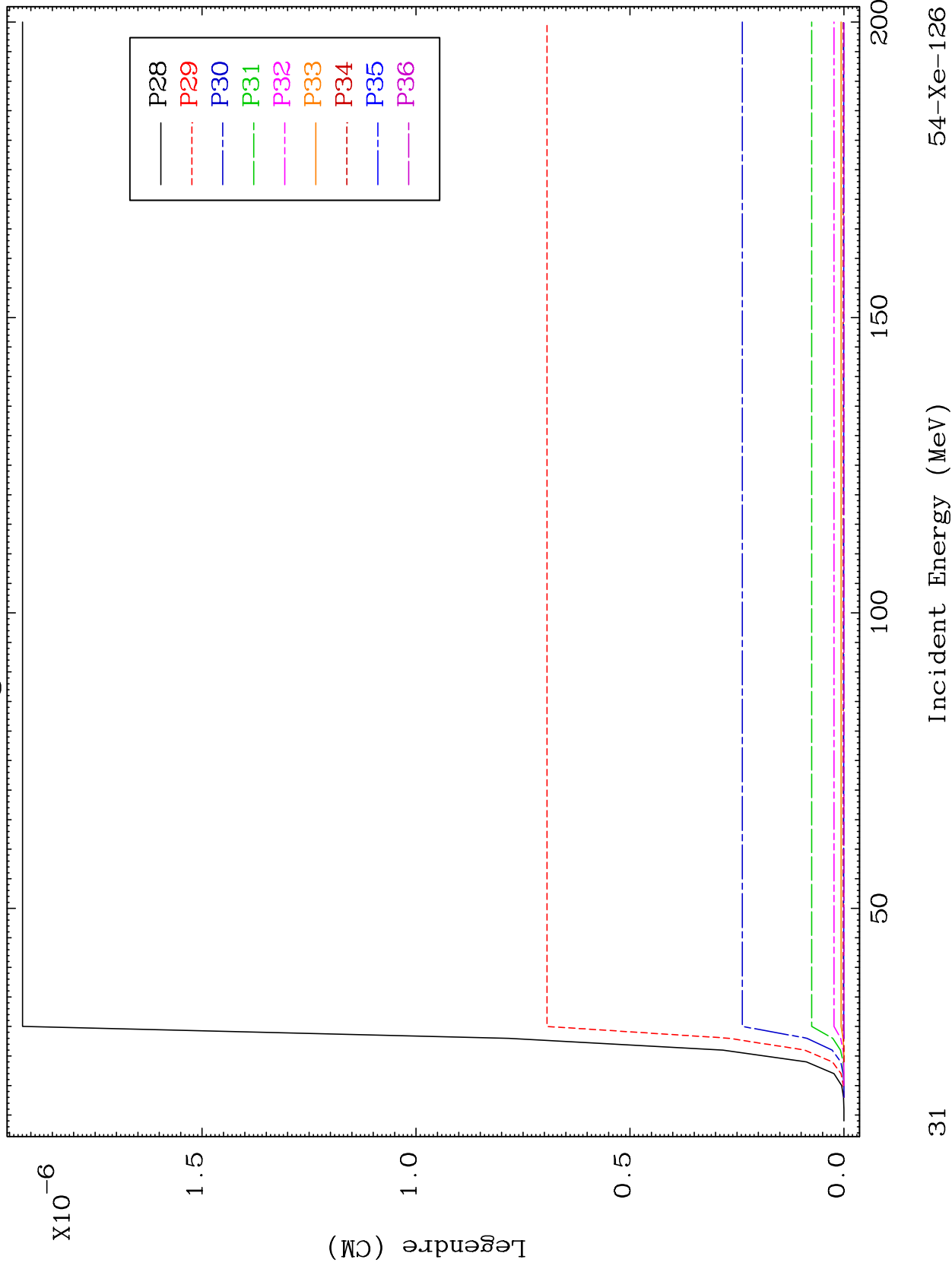
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

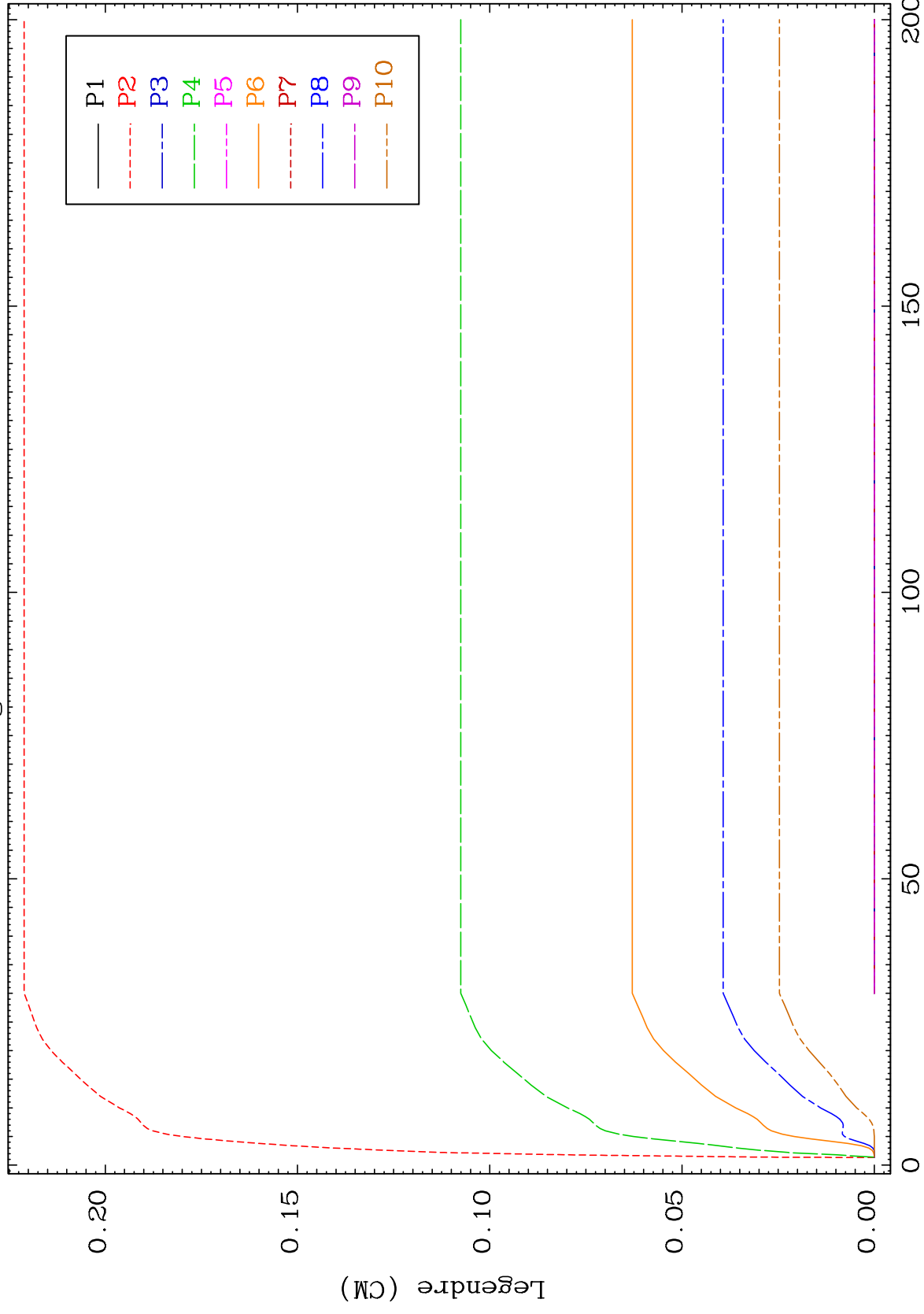
54-Xe-126



MAT 5431

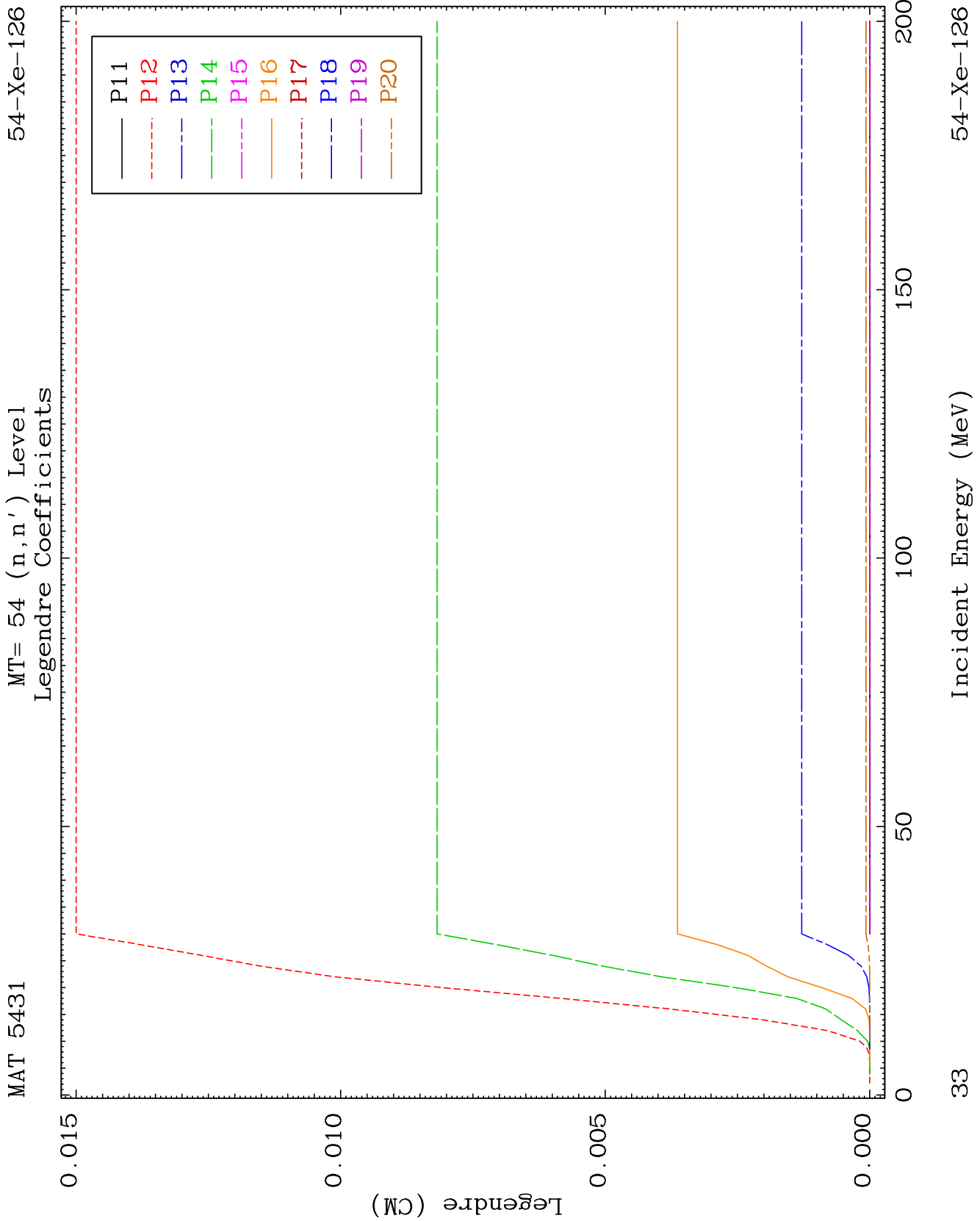
MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-126



32

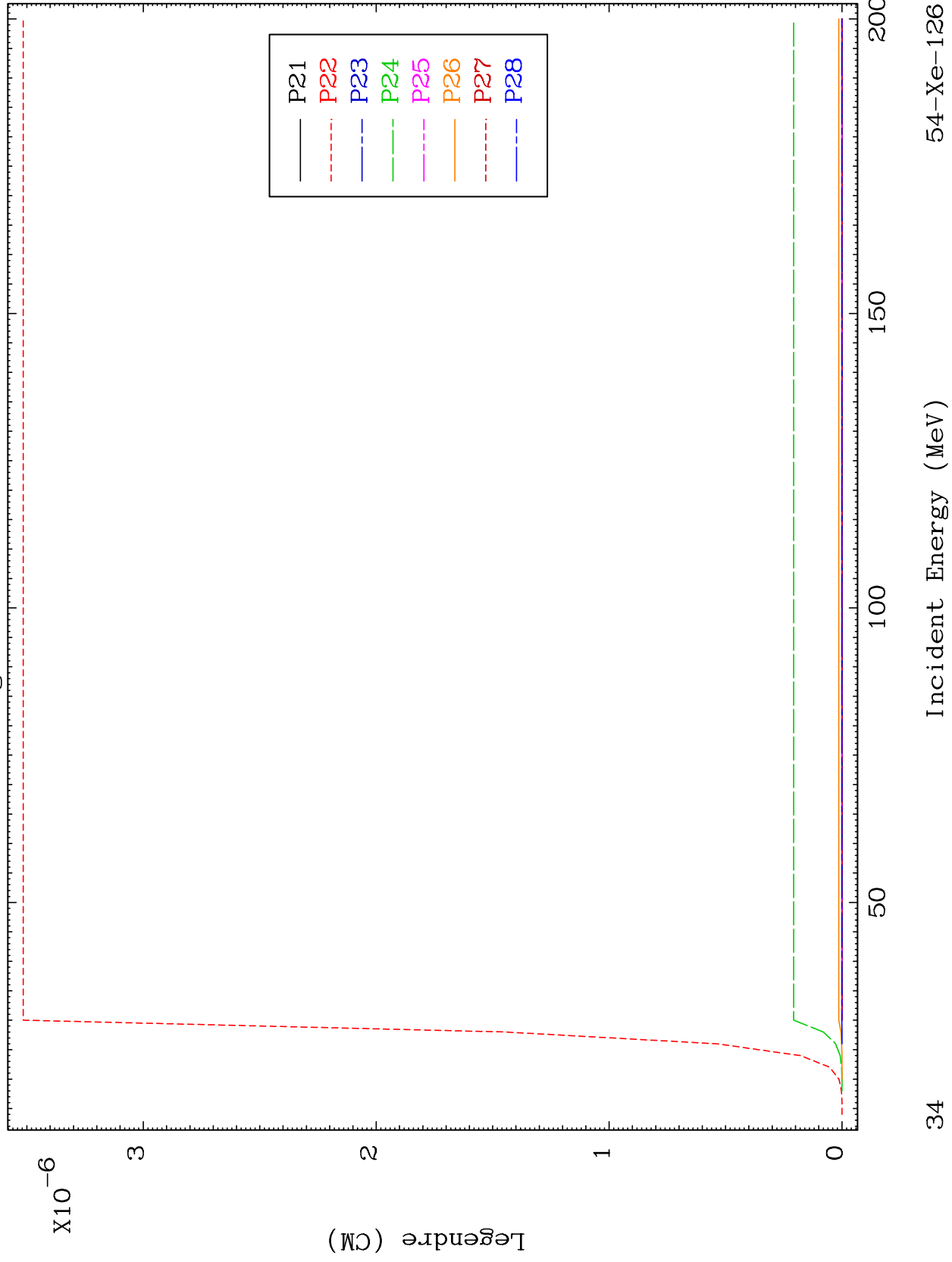
54-Xe-126



MAT 5431

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

54-Xe-126



34

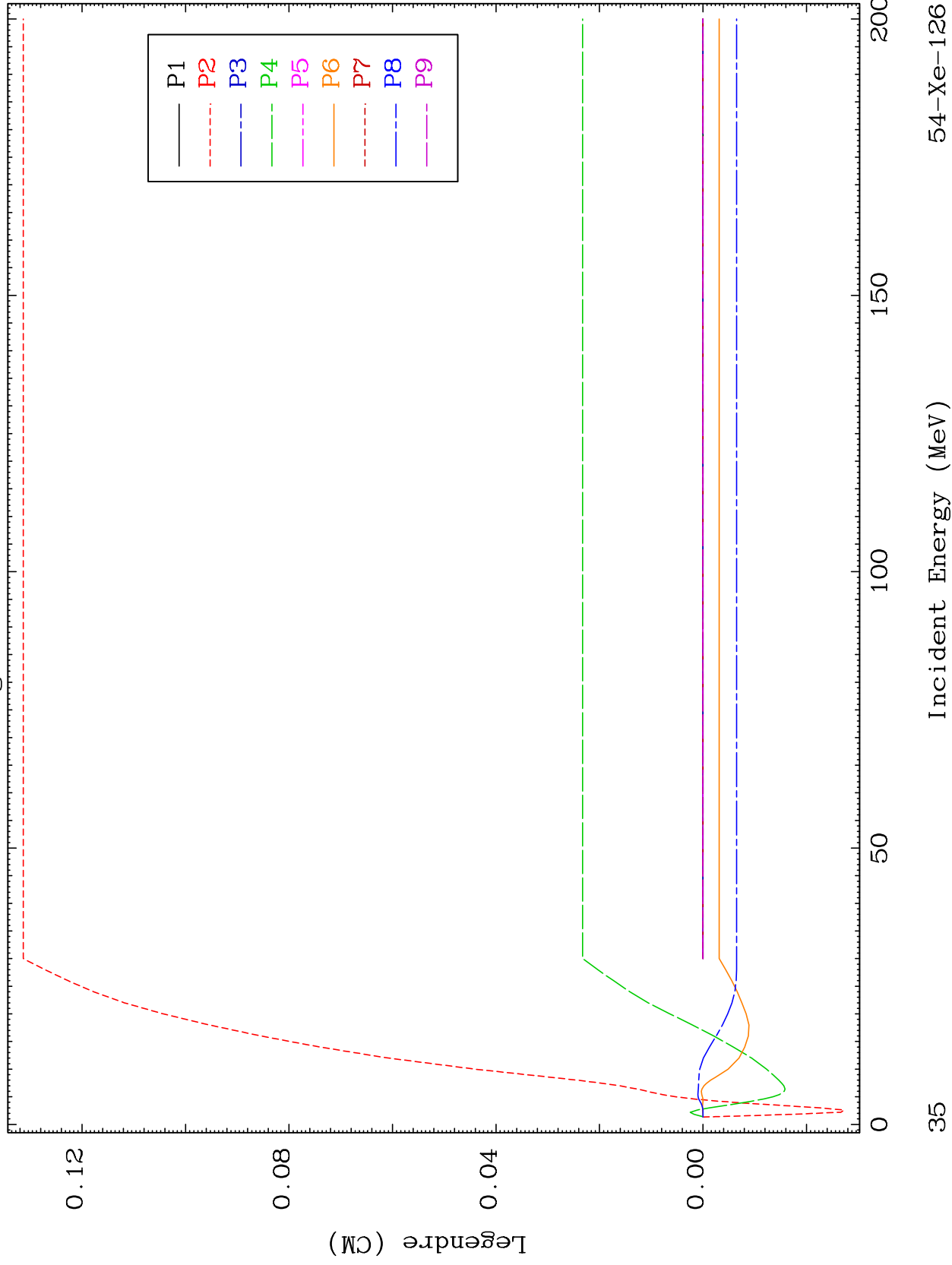
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

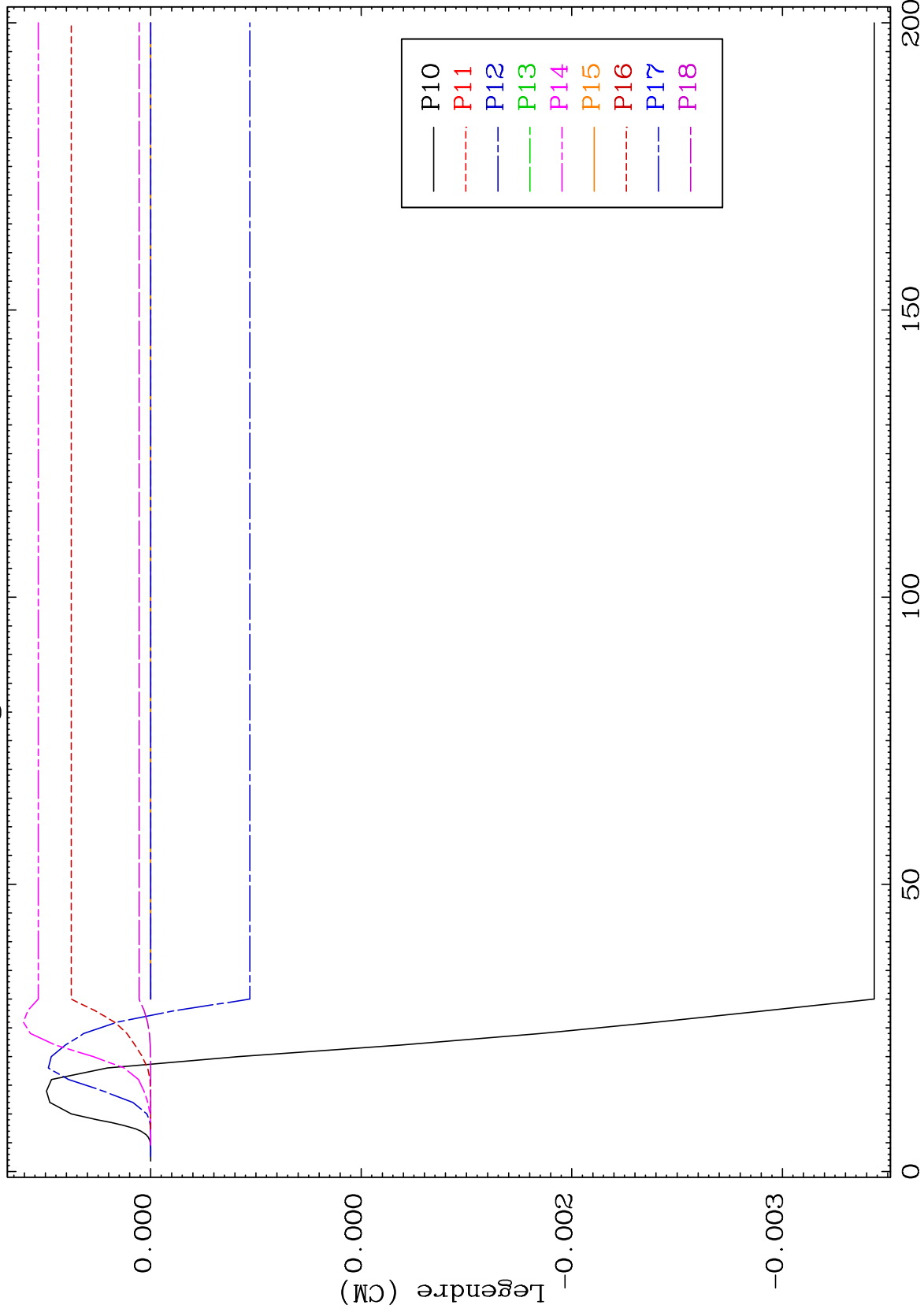
Incident Energy (MeV)

35

MAT 5431

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

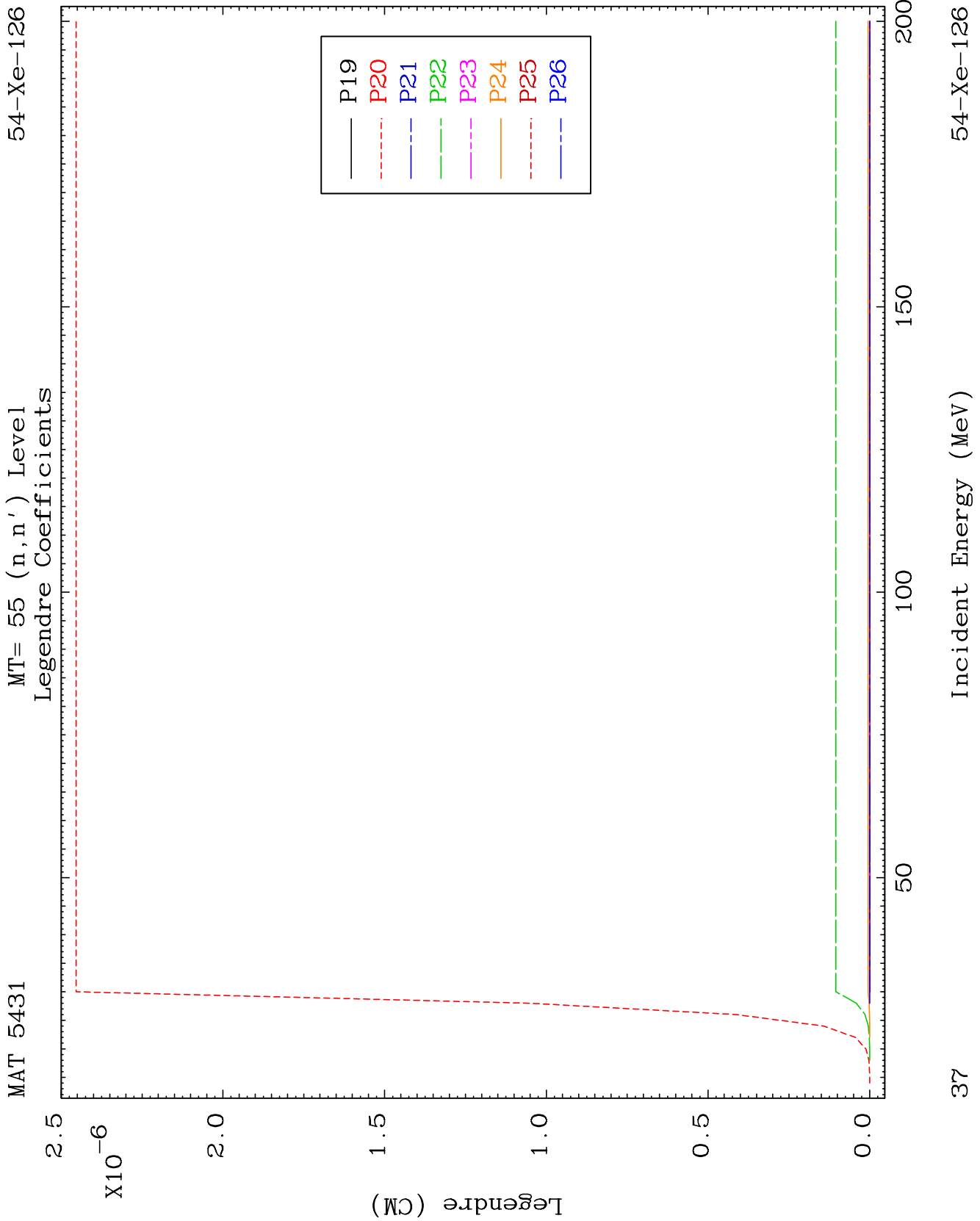
54-Xe-126



36

Incident Energy (MeV)

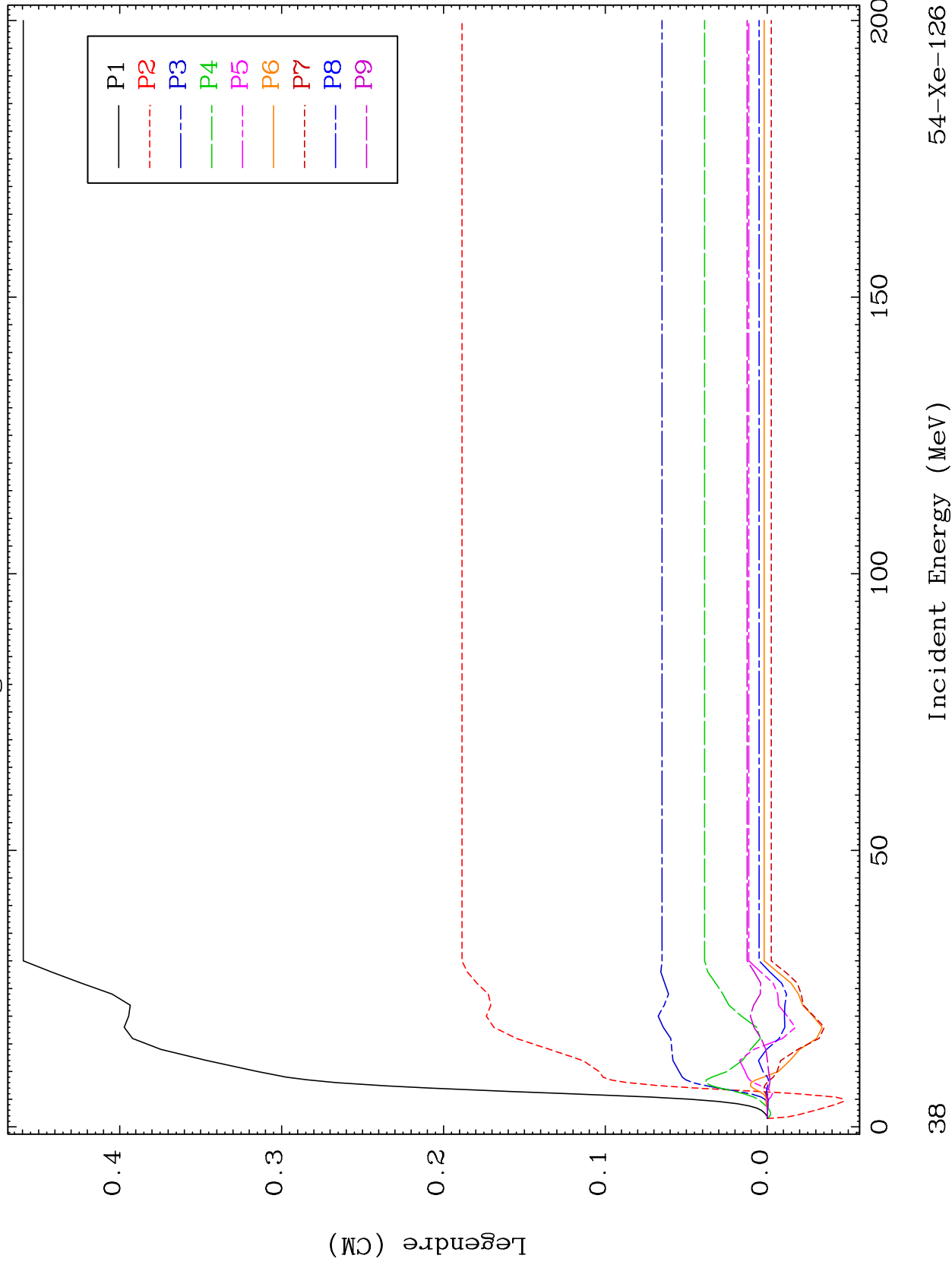
54-Xe-126



MAT 5431

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

54-Xe-126



54-Xe-126

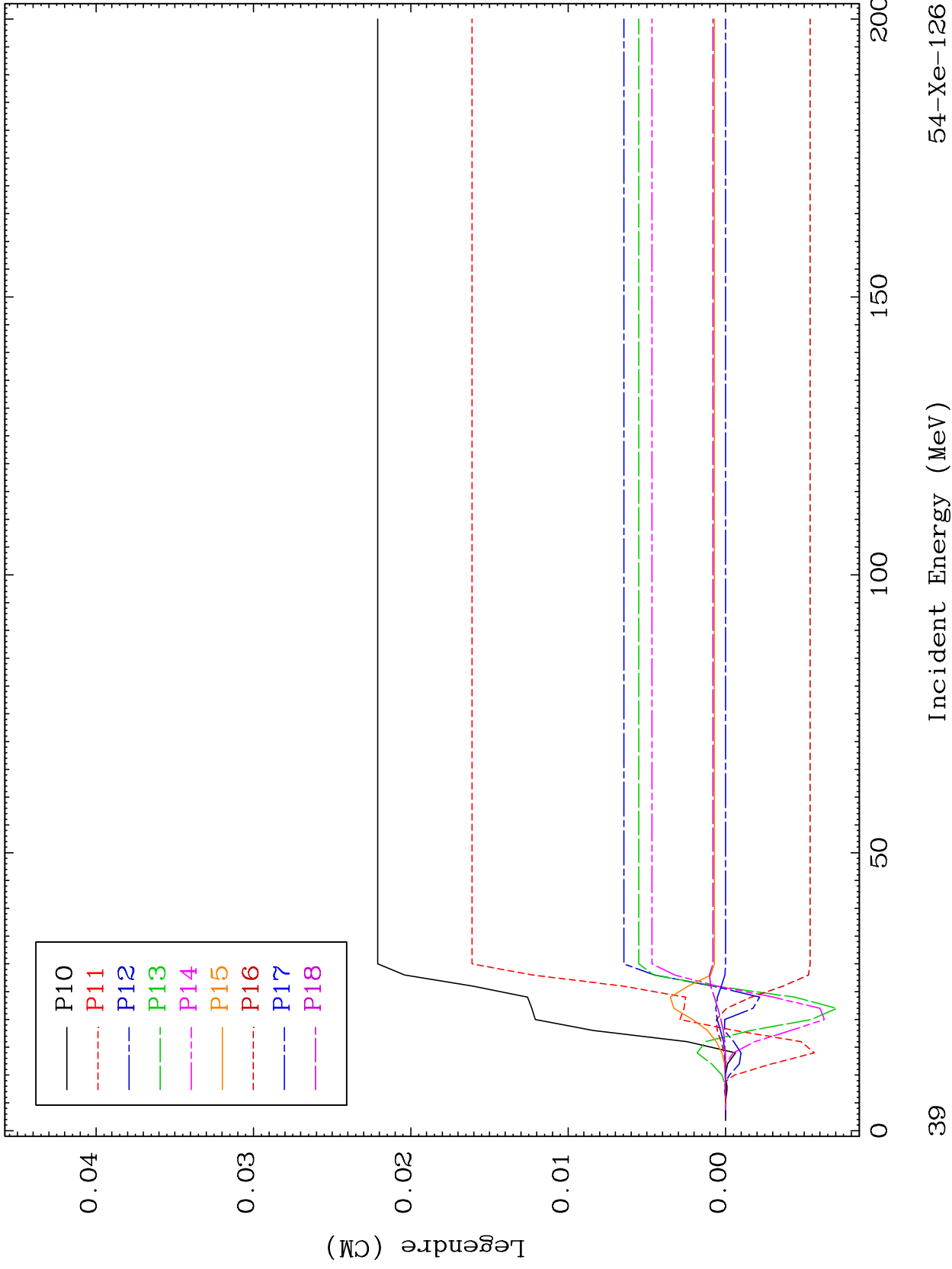
Incident Energy (MeV)

38

MAT 5431

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

54-Xe-126



39

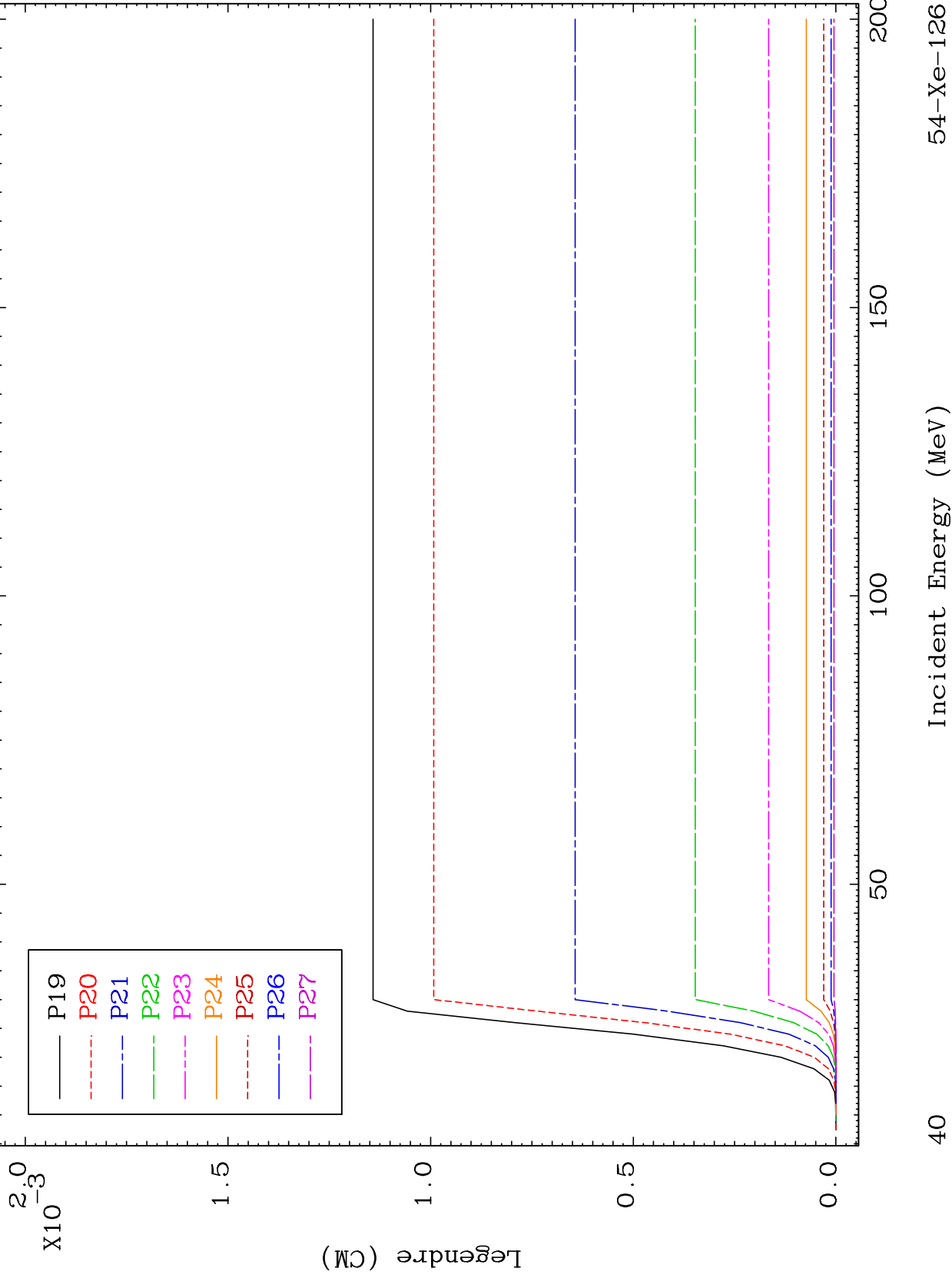
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

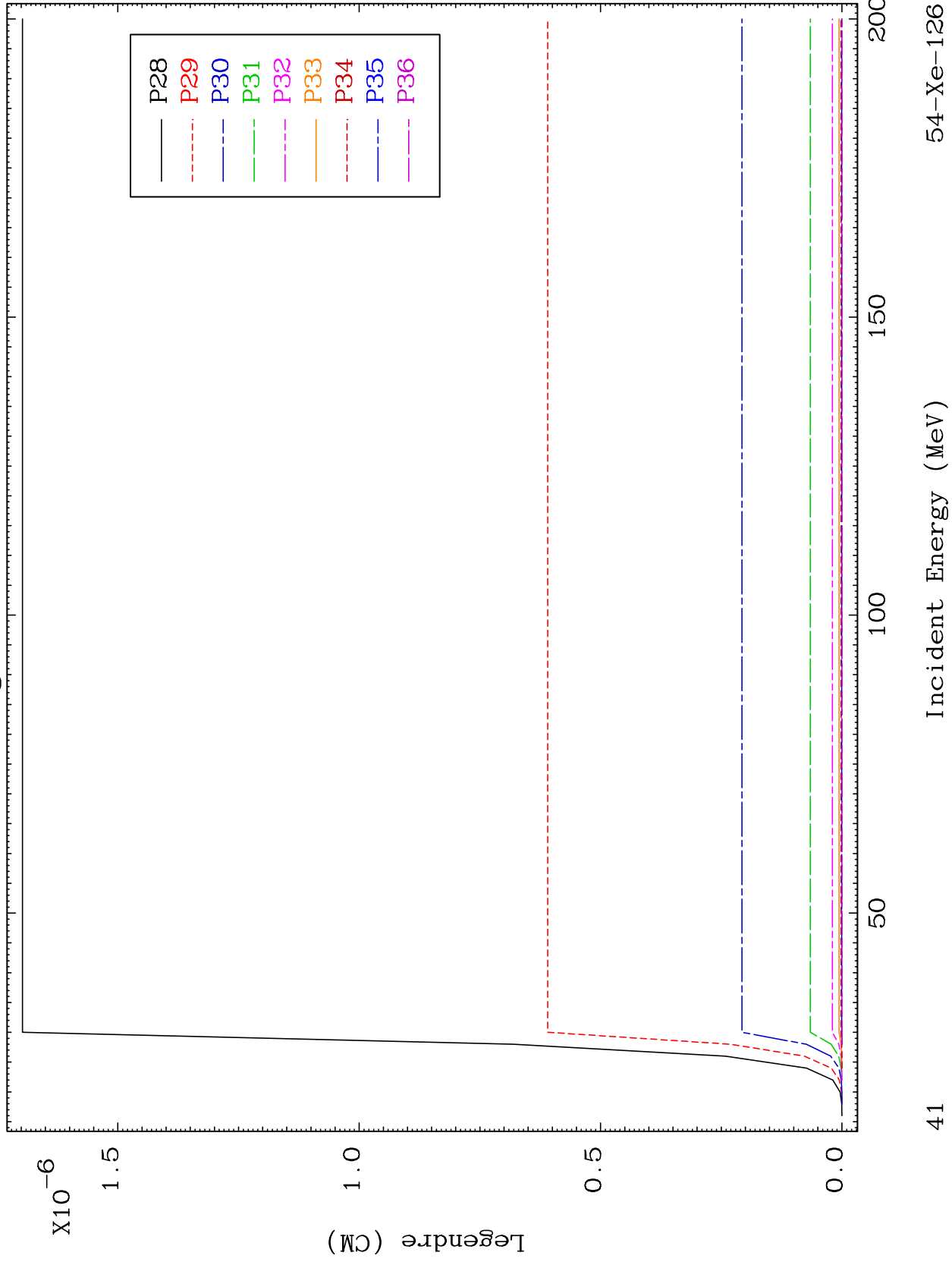
54-Xe-126



MAT 5431

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

54-Xe-126



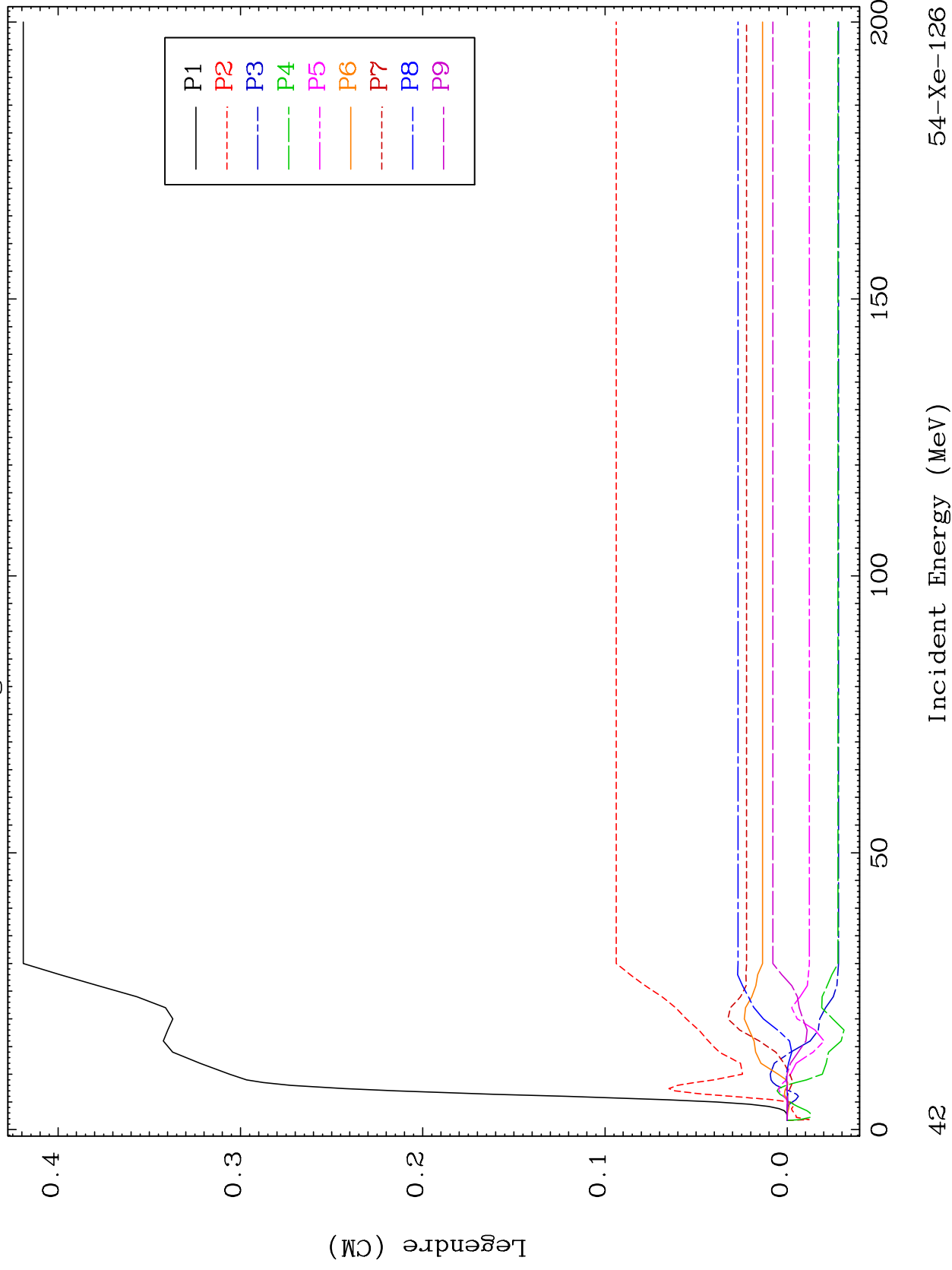
41

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

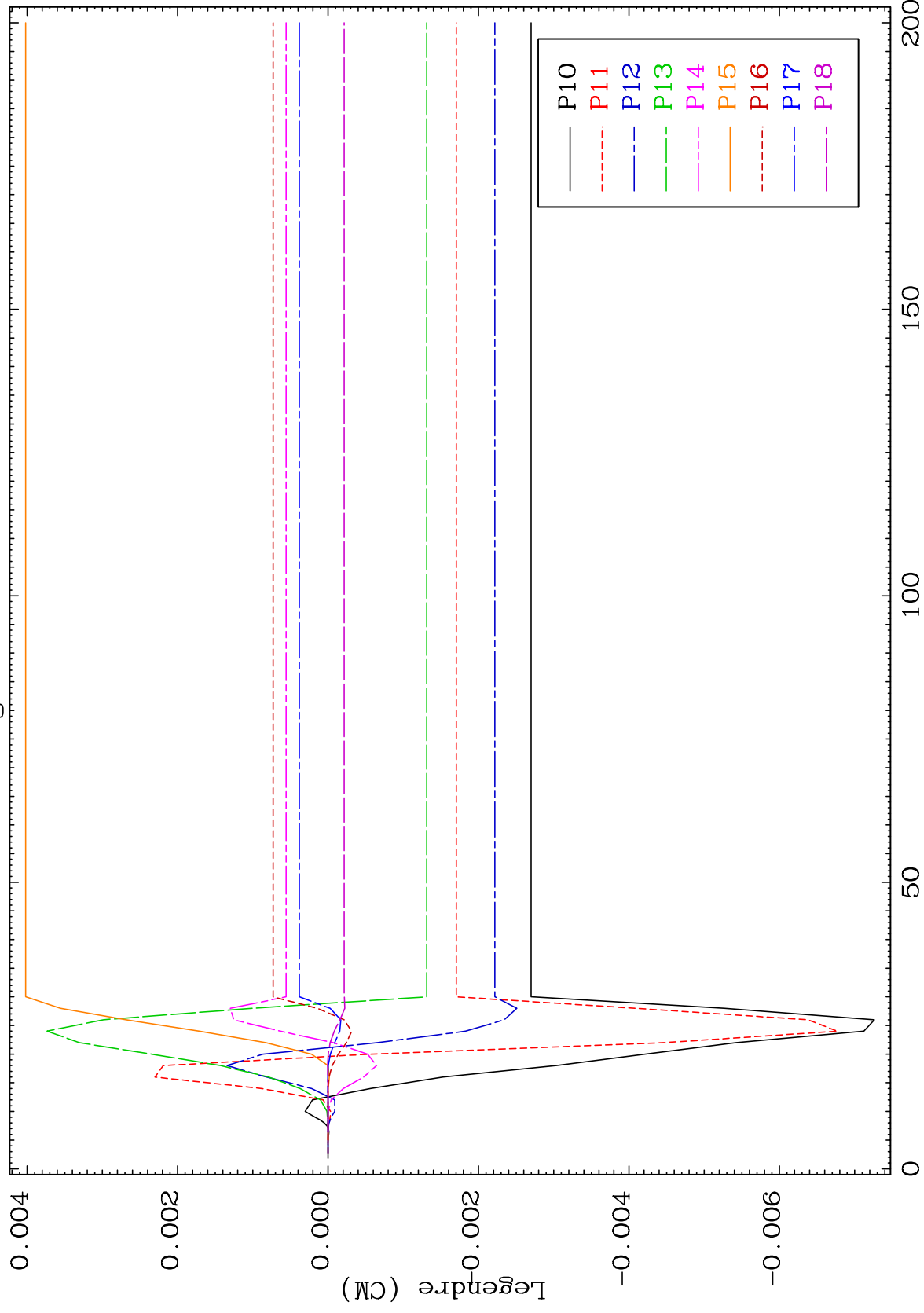
Incident Energy (MeV)

42

MAT 5431

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

54-Xe-126



43

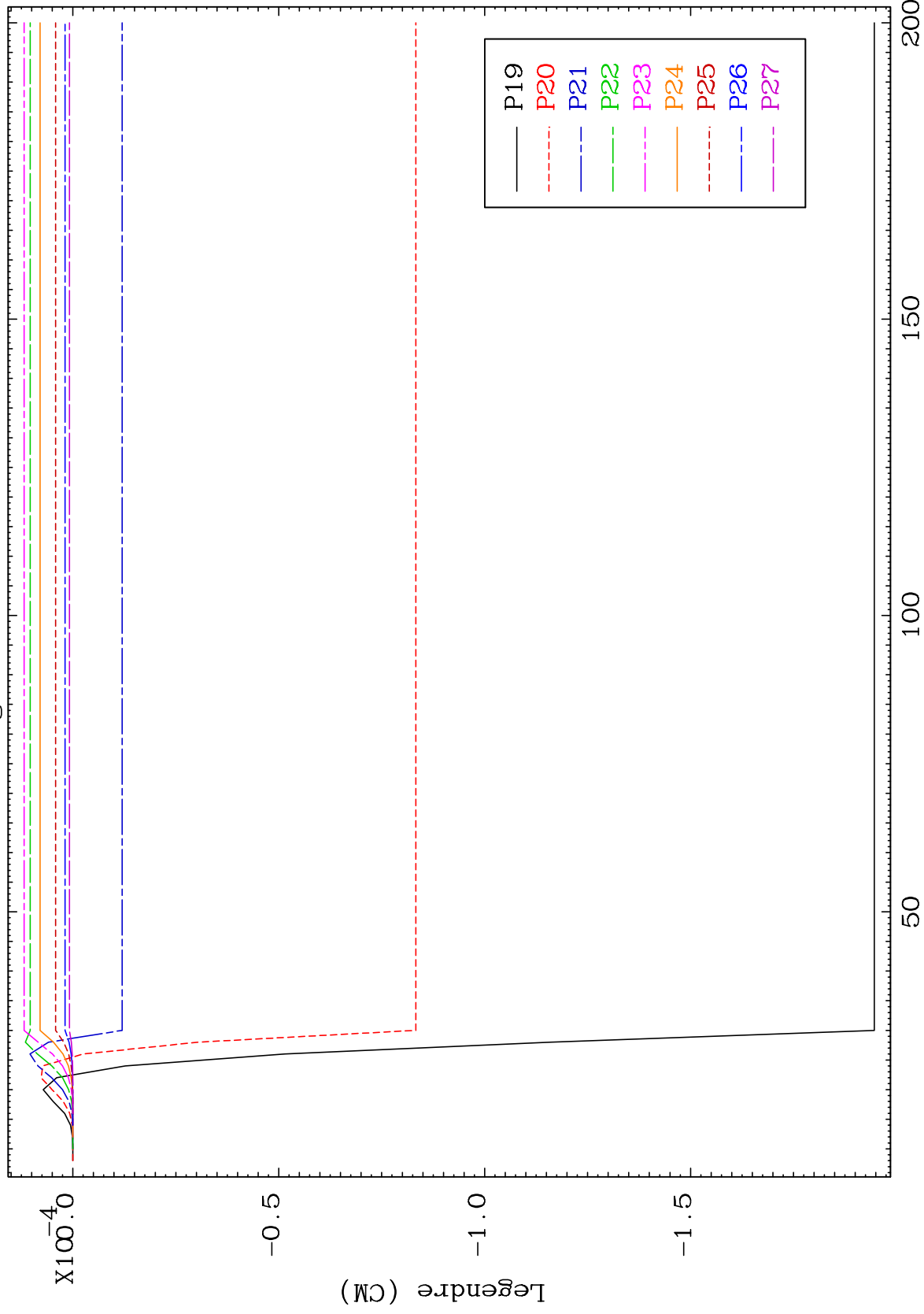
Incident Energy (MeV)

54-Xe-126

MAT 5431

54-Xe-126

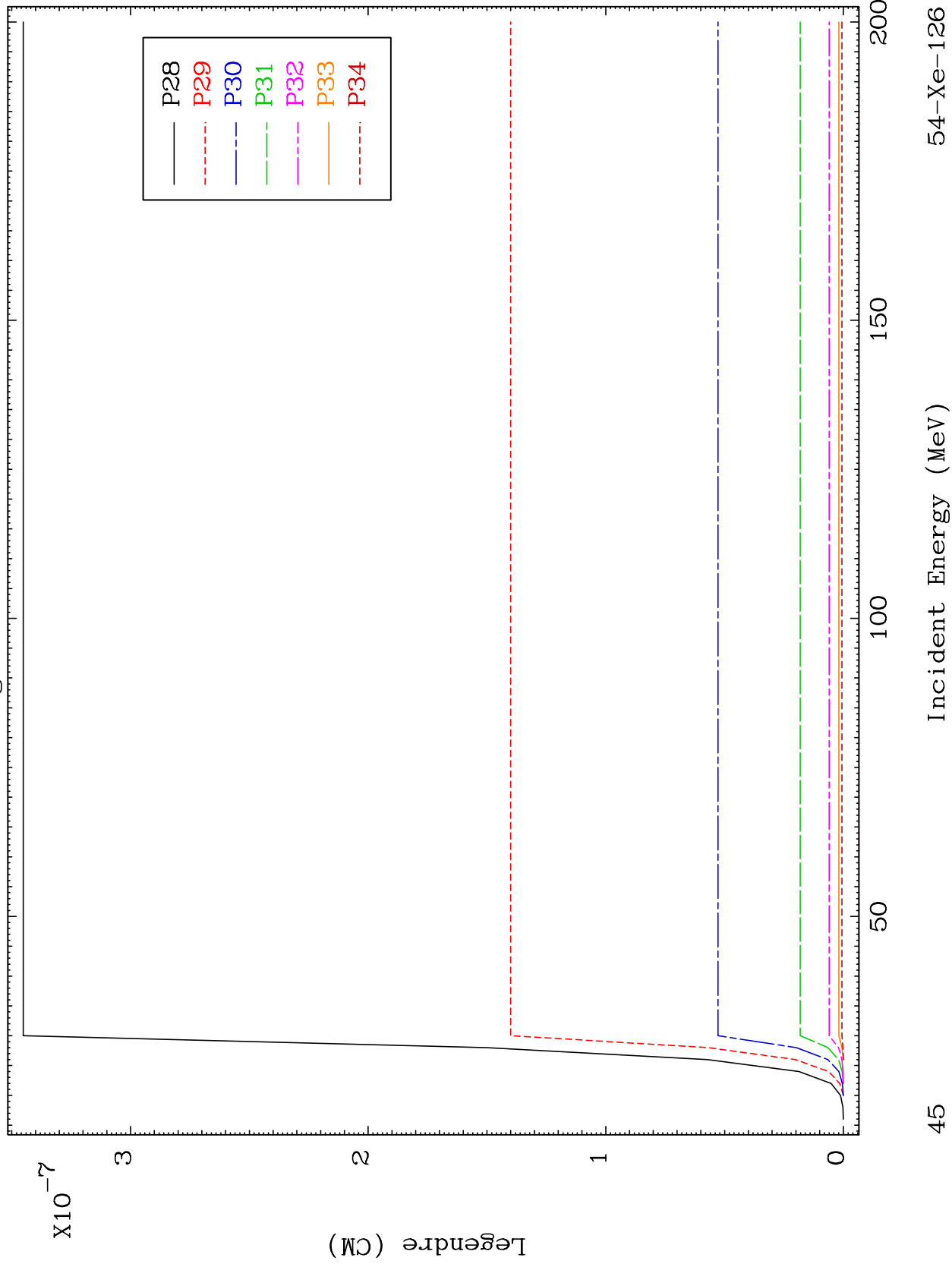
MT= 57 (n,n') Level
Legendre Coefficients



MAT 5431

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

54-Xe-126



54-Xe-126

Incident Energy (MeV)

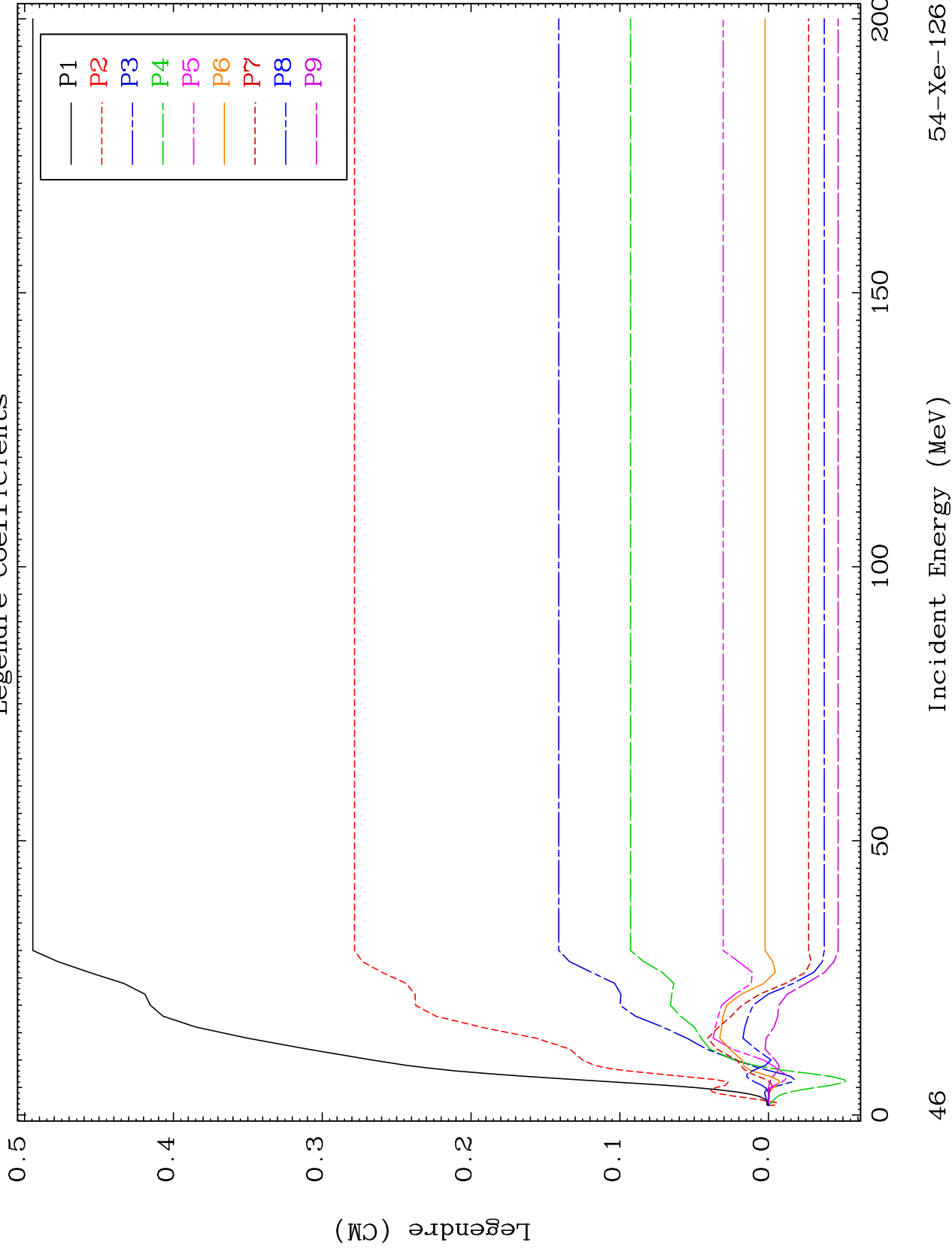
45

MAT 5431

MT= 58 (n,n') Level

54-Xe-126

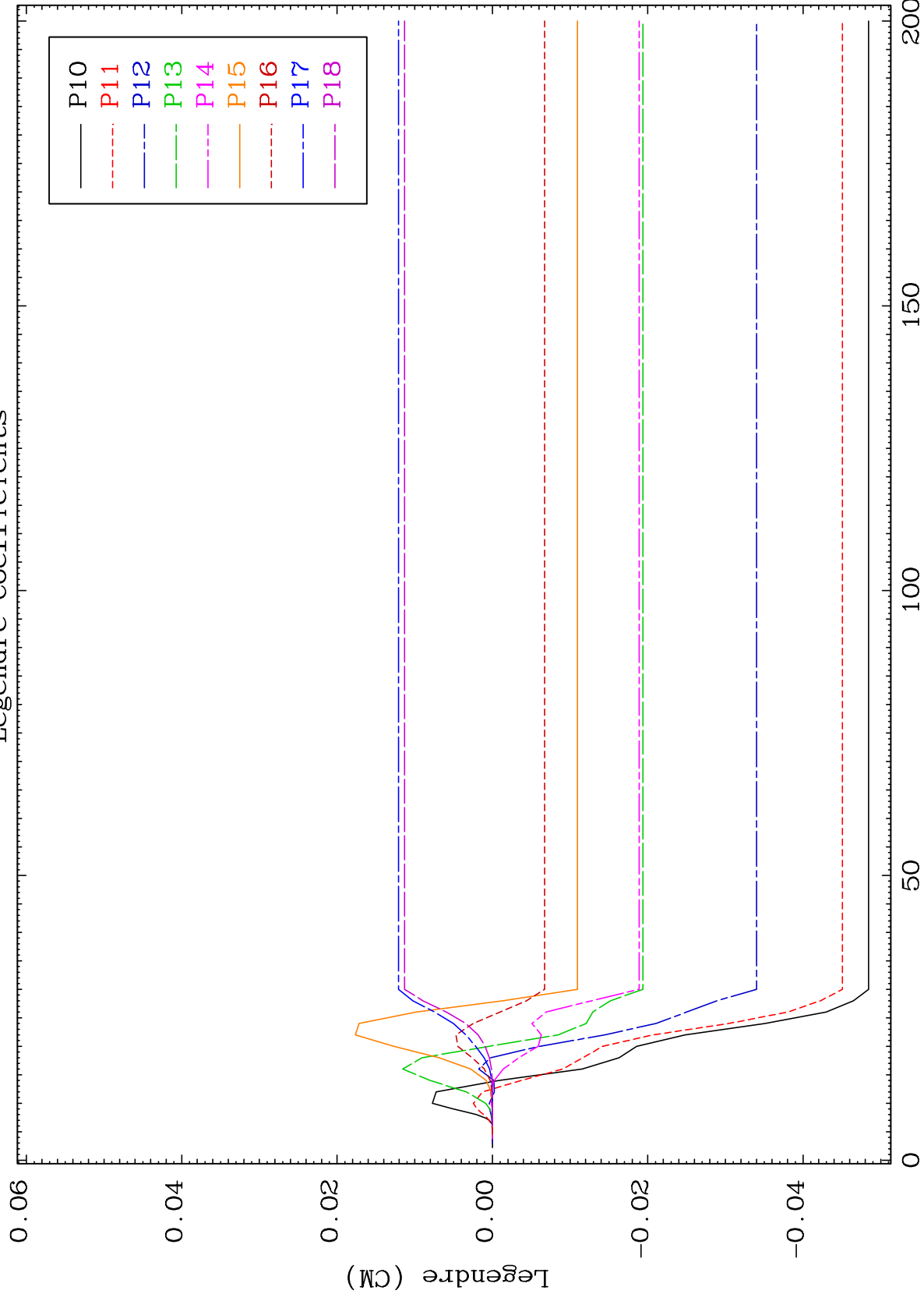
Legendre Coefficients



MAT 5431

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

54-Xe-126



47

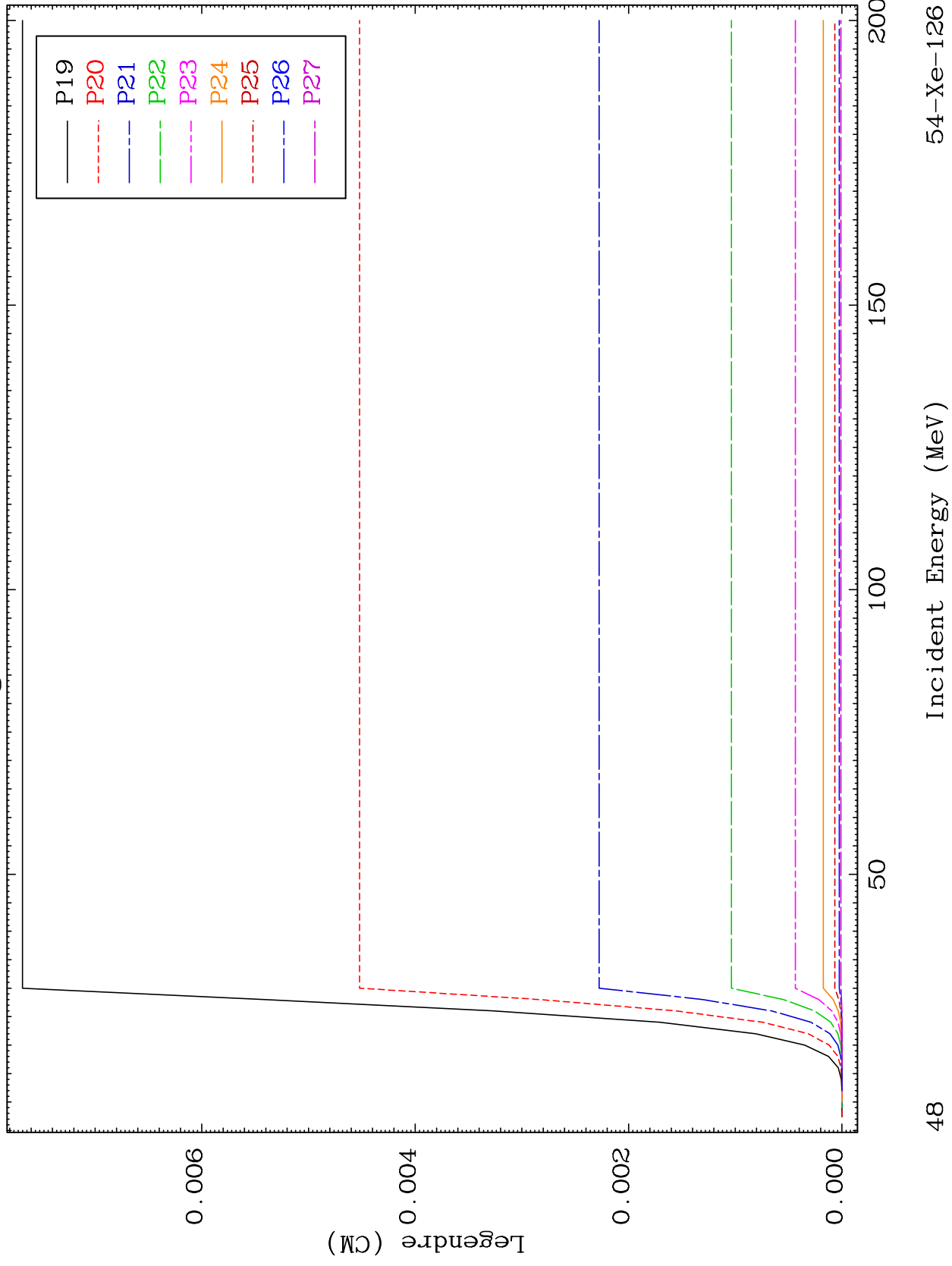
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



48

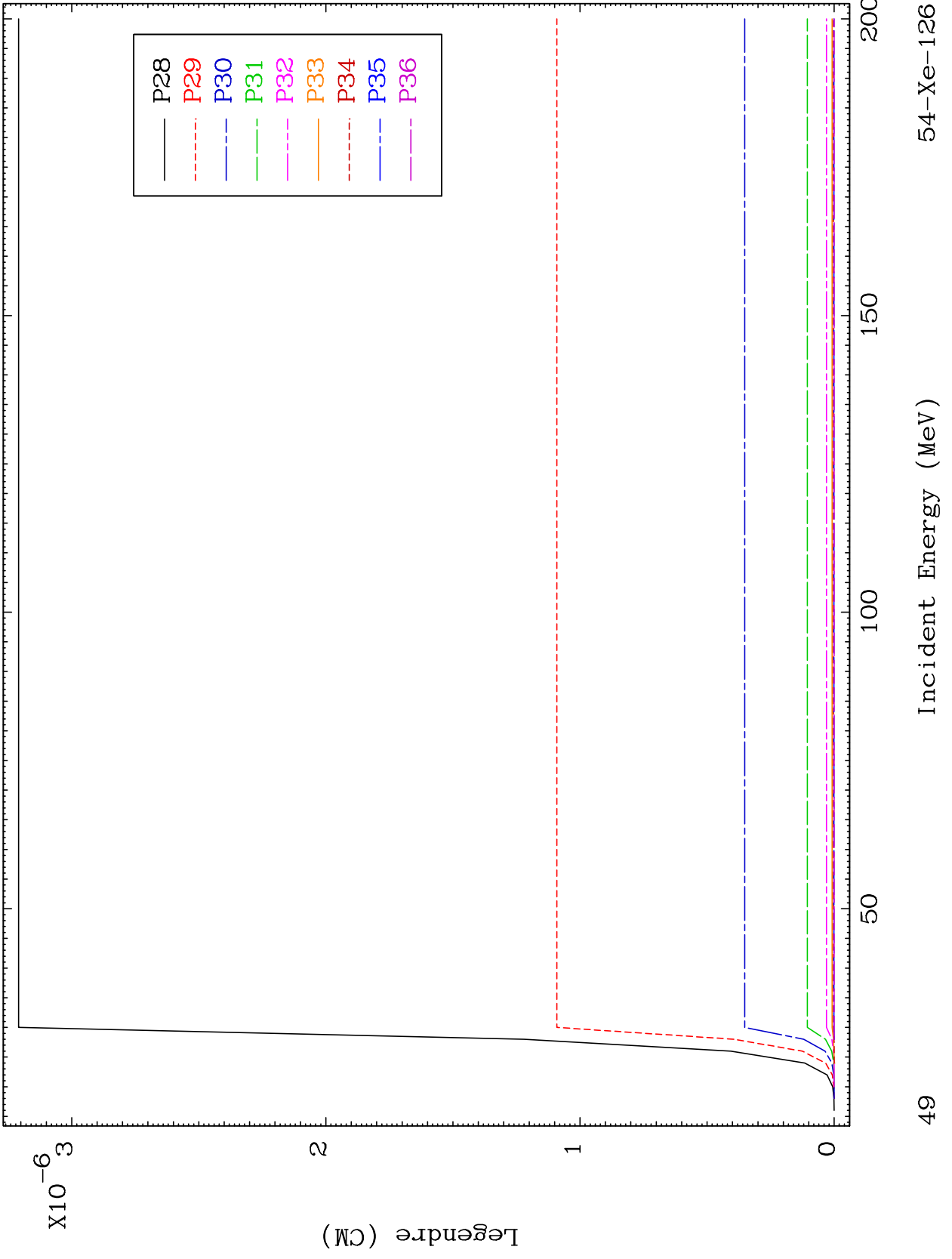
Incident Energy (MeV)

54-Xe-126

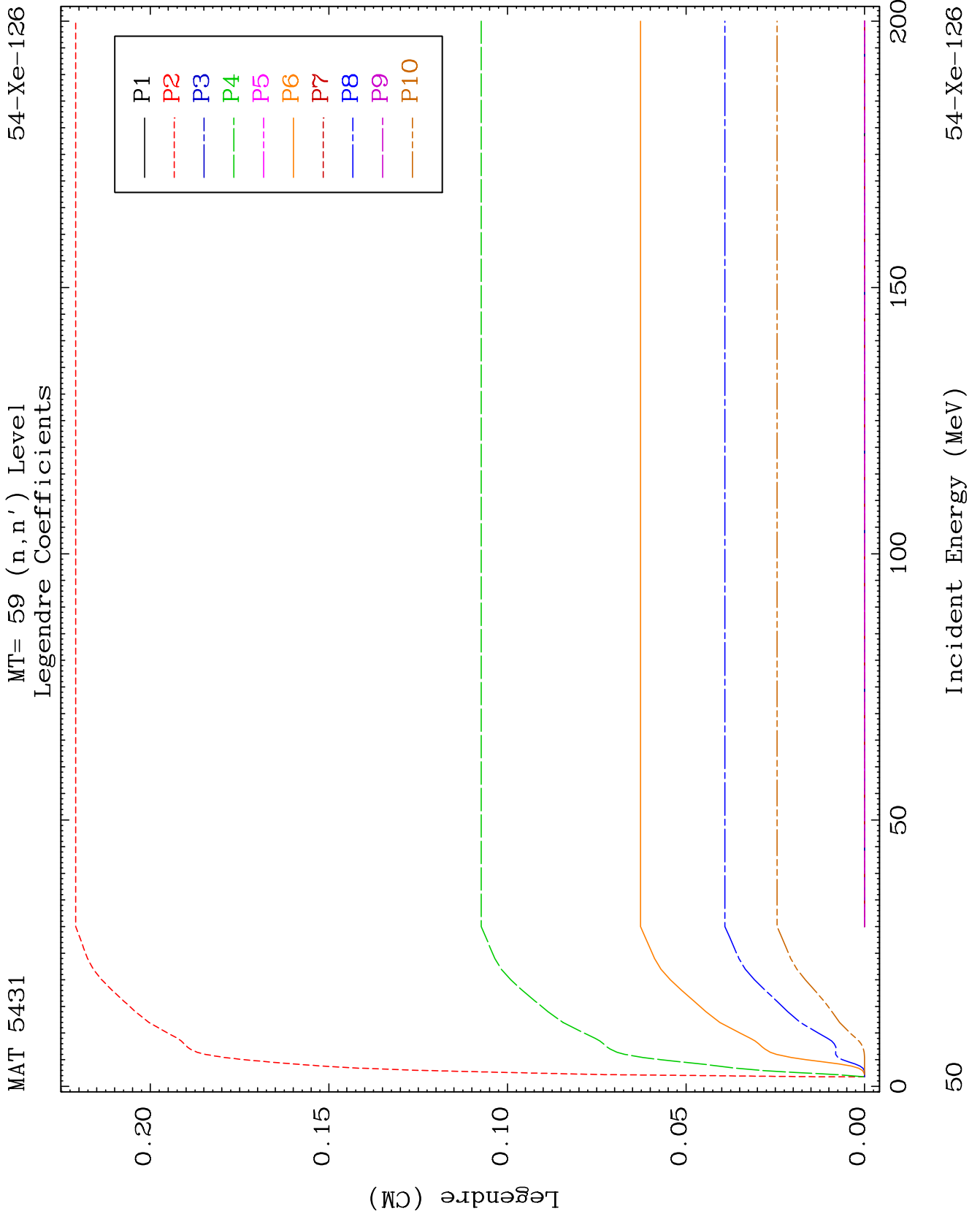
MAT 5431

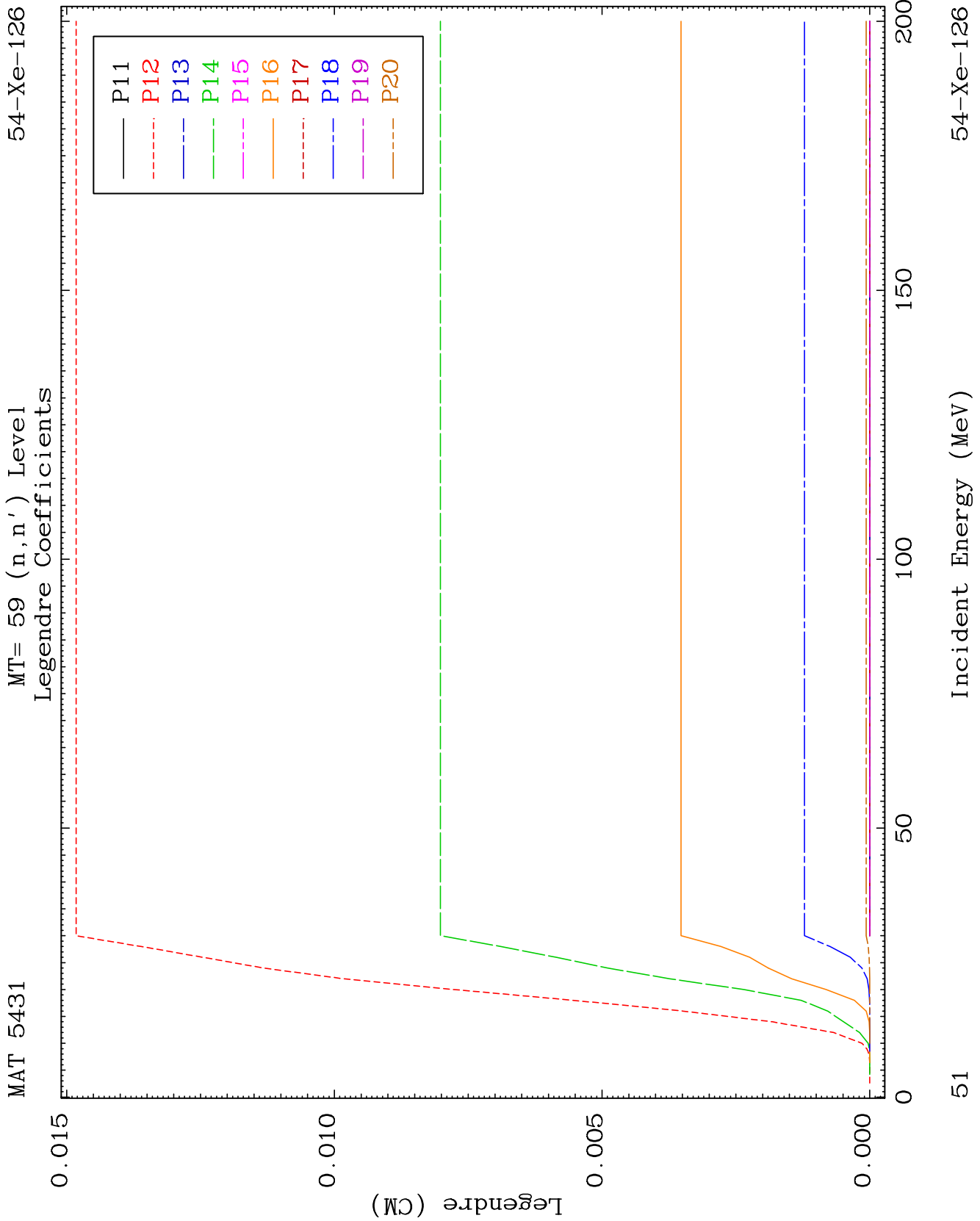
MT= 58 (n,n') Level
Legendre Coefficients

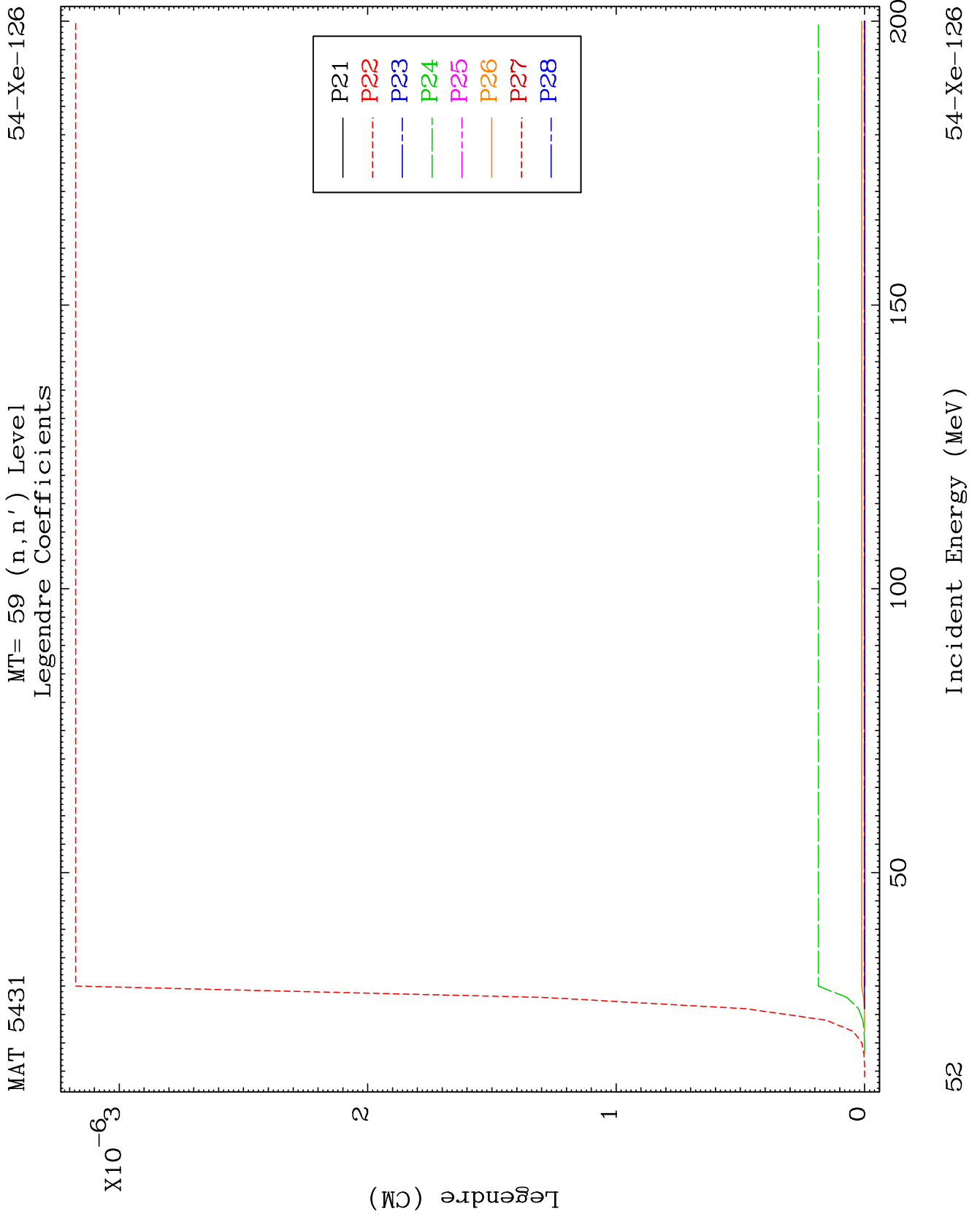
54-Xe-126



49



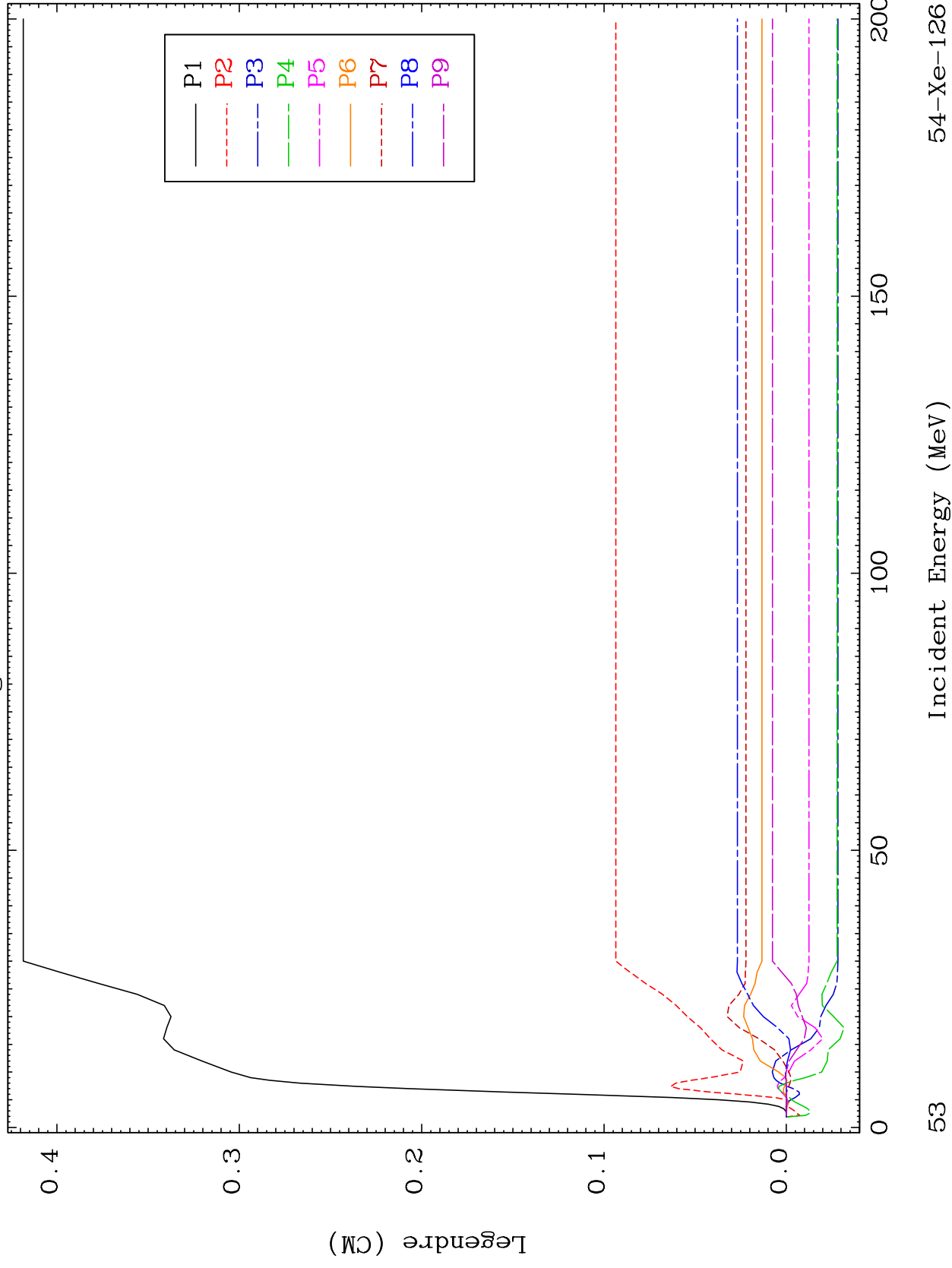




MAT 5431

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

54-Xe-126



54-Xe-126

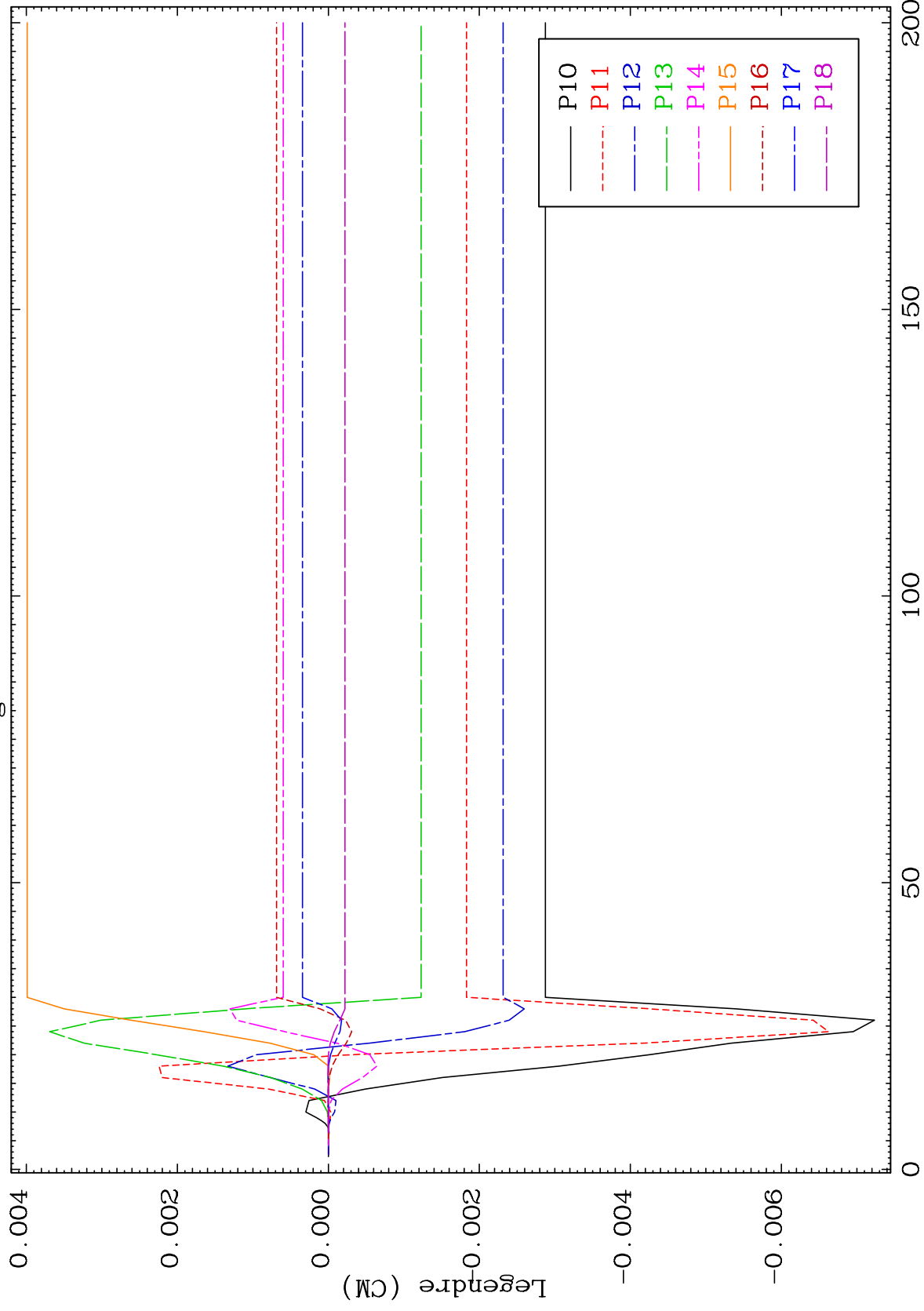
Incident Energy (MeV)

53

MAT 5431

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

54-Xe-126



54

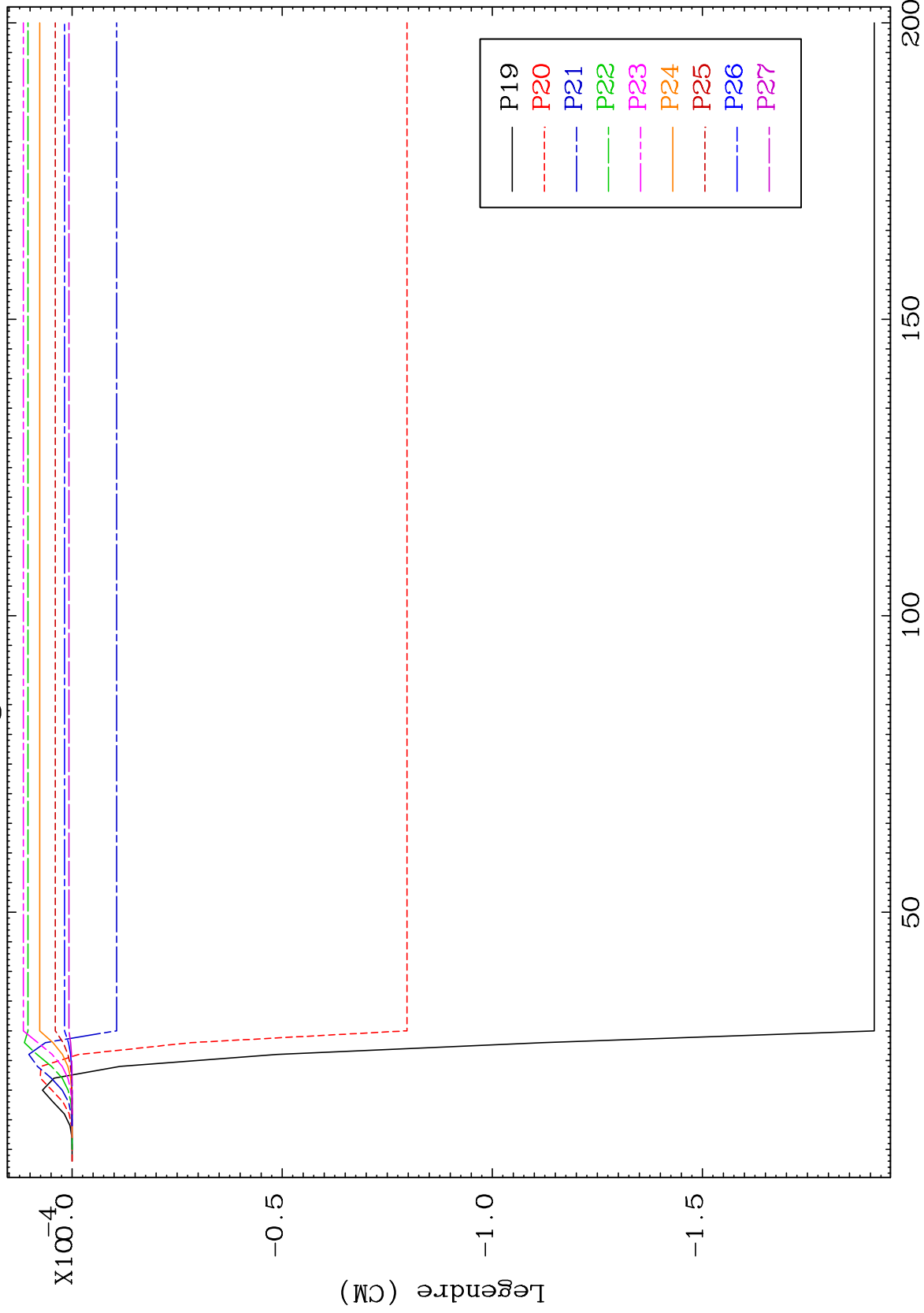
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



55

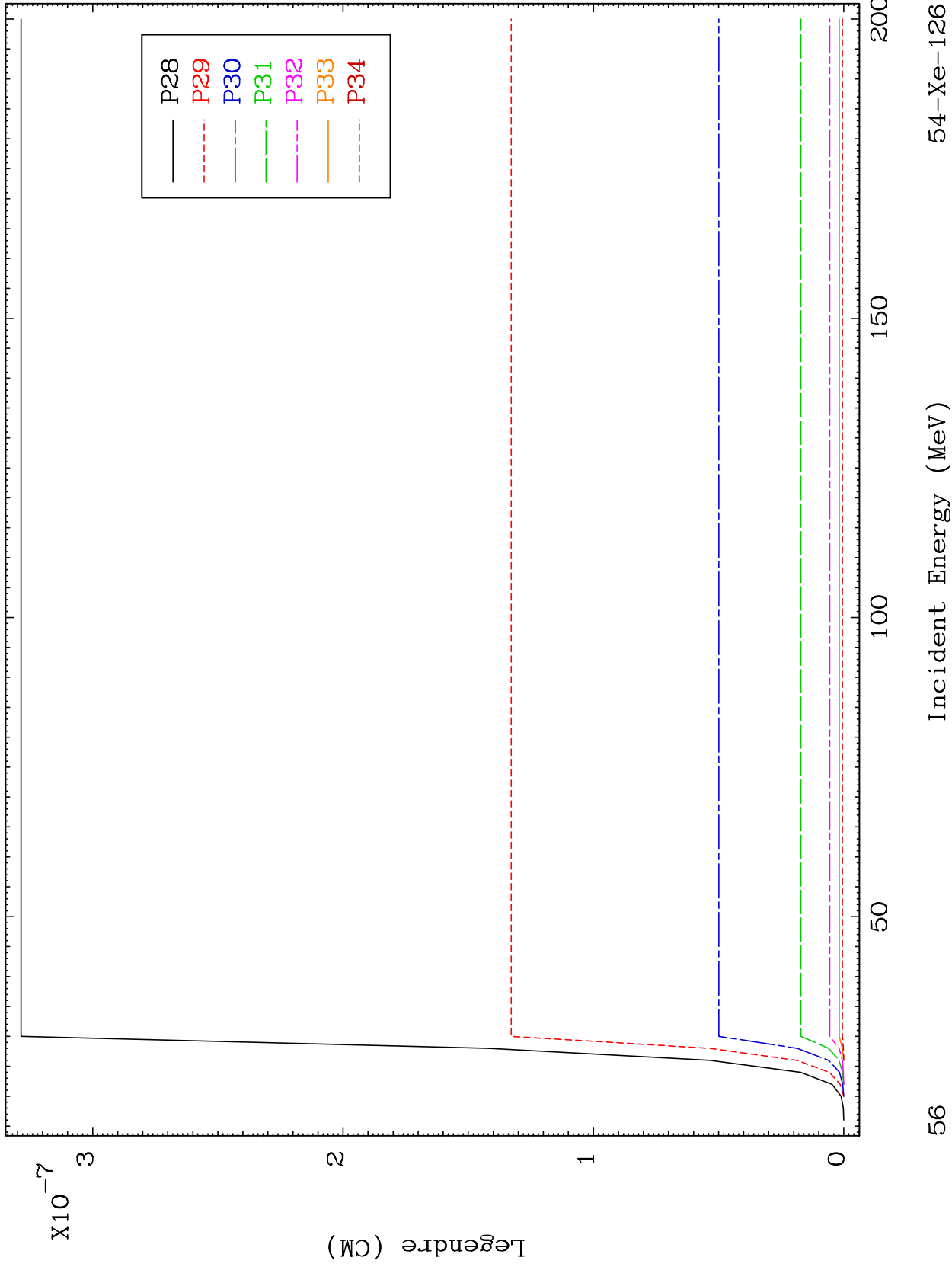
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



56

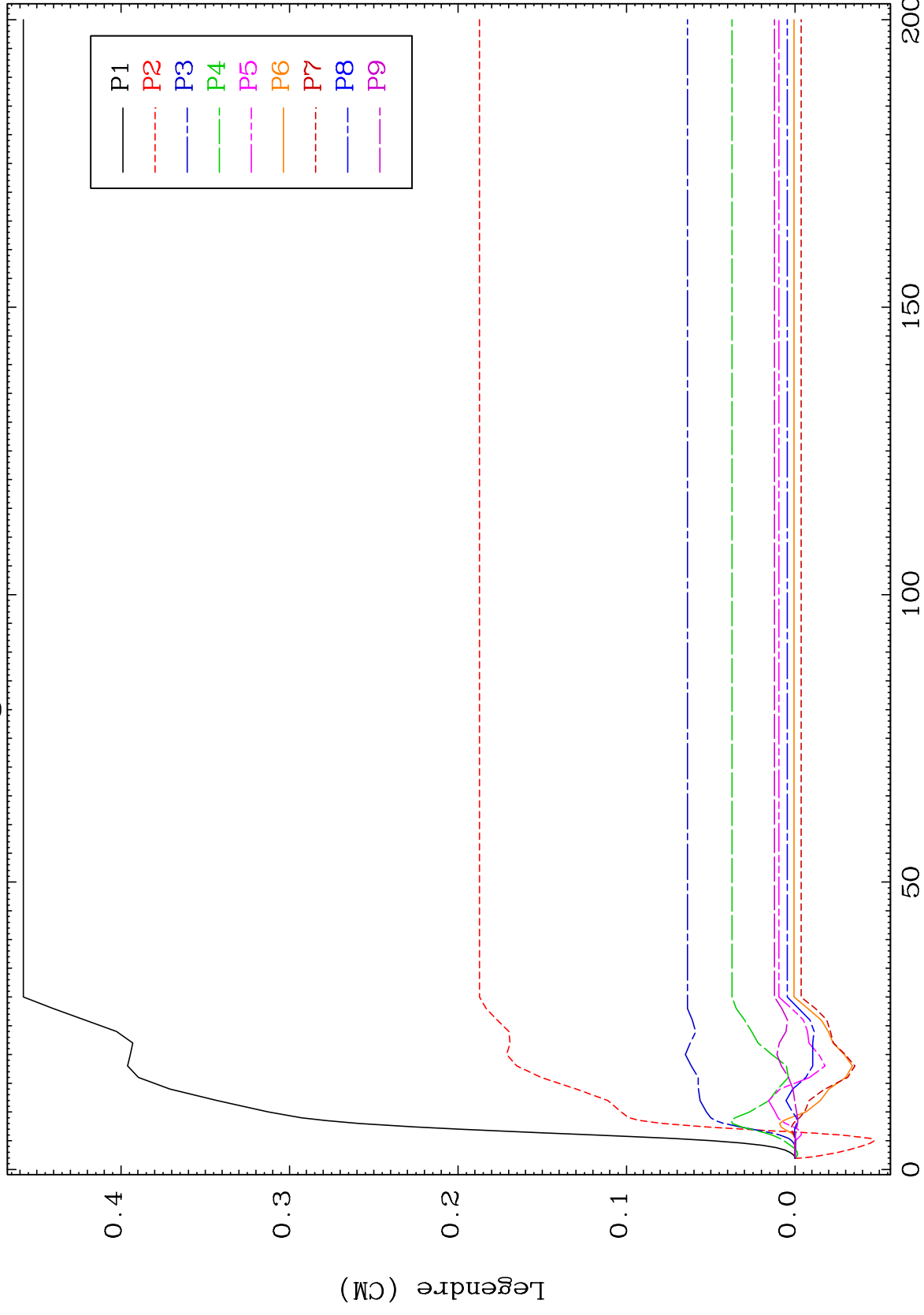
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



57

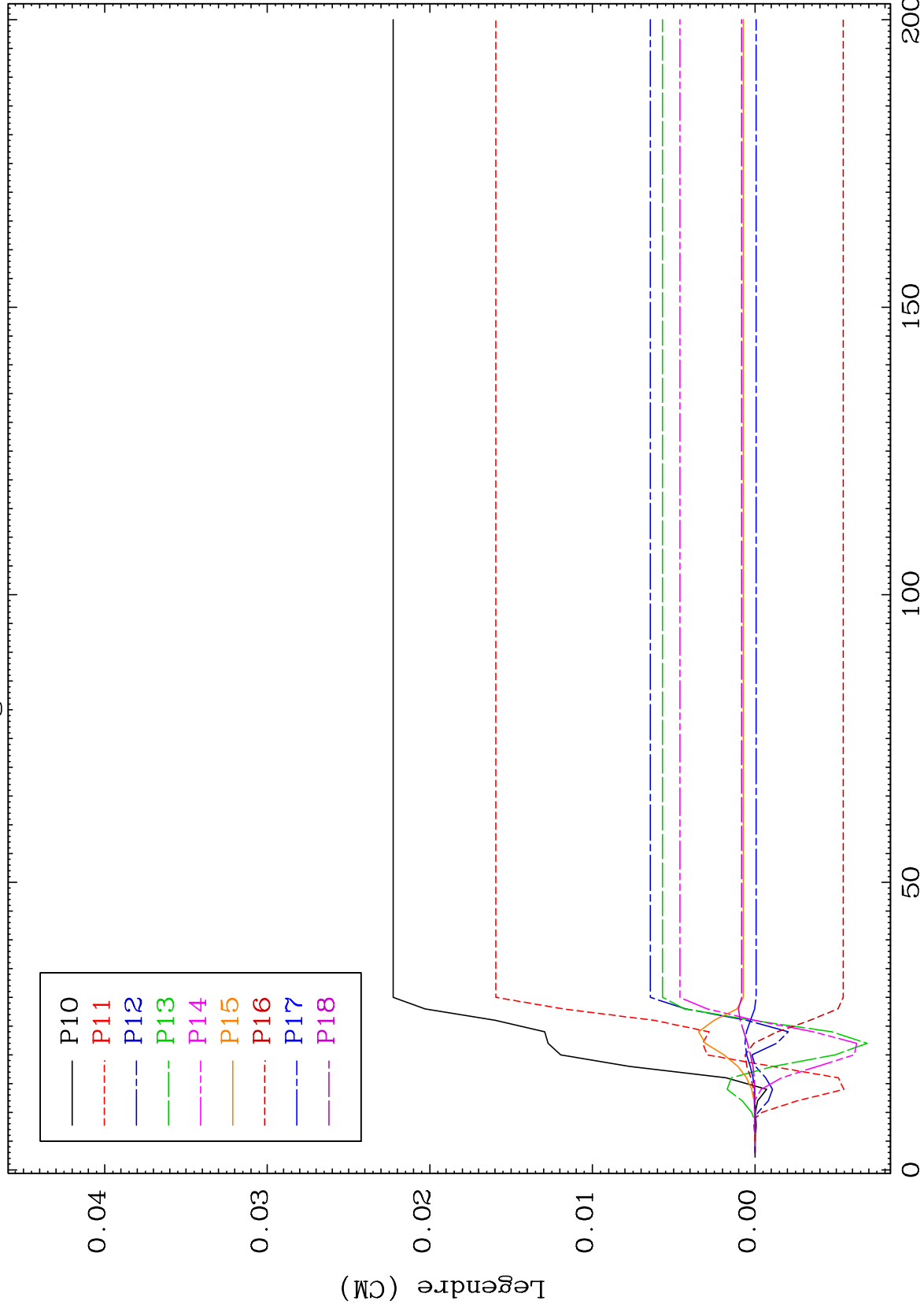
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



58

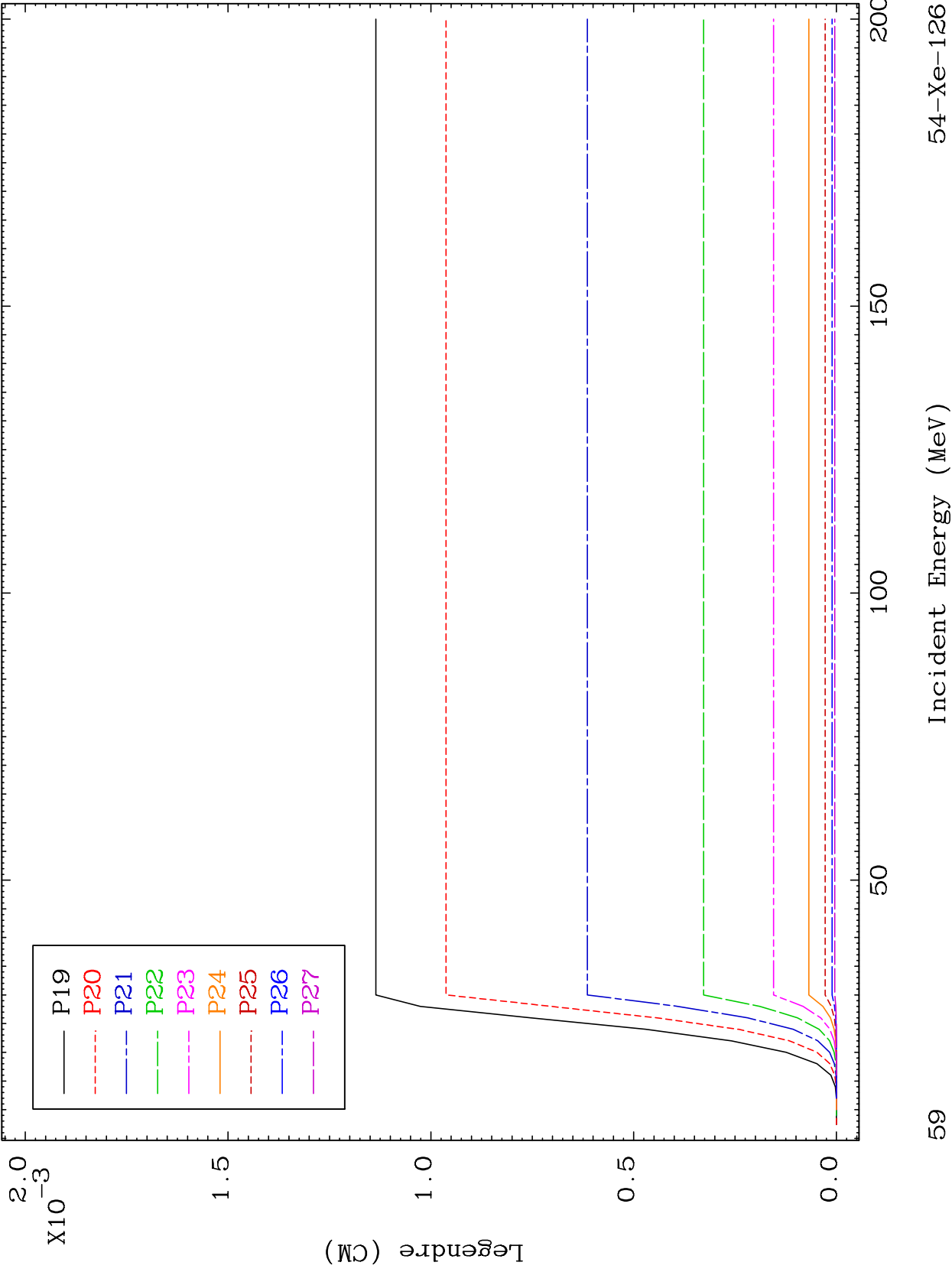
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

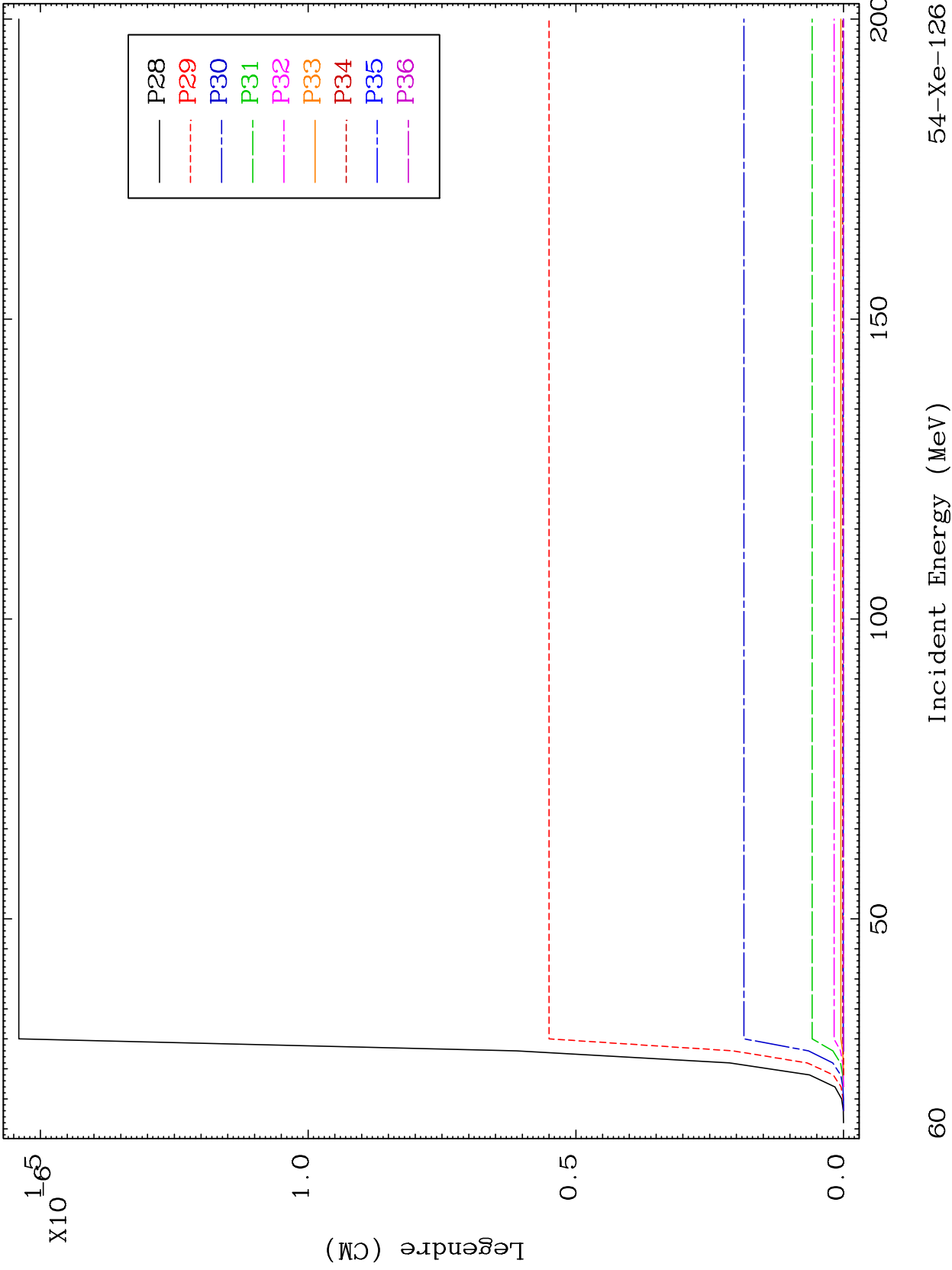
54-Xe-126



MAT 5431

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

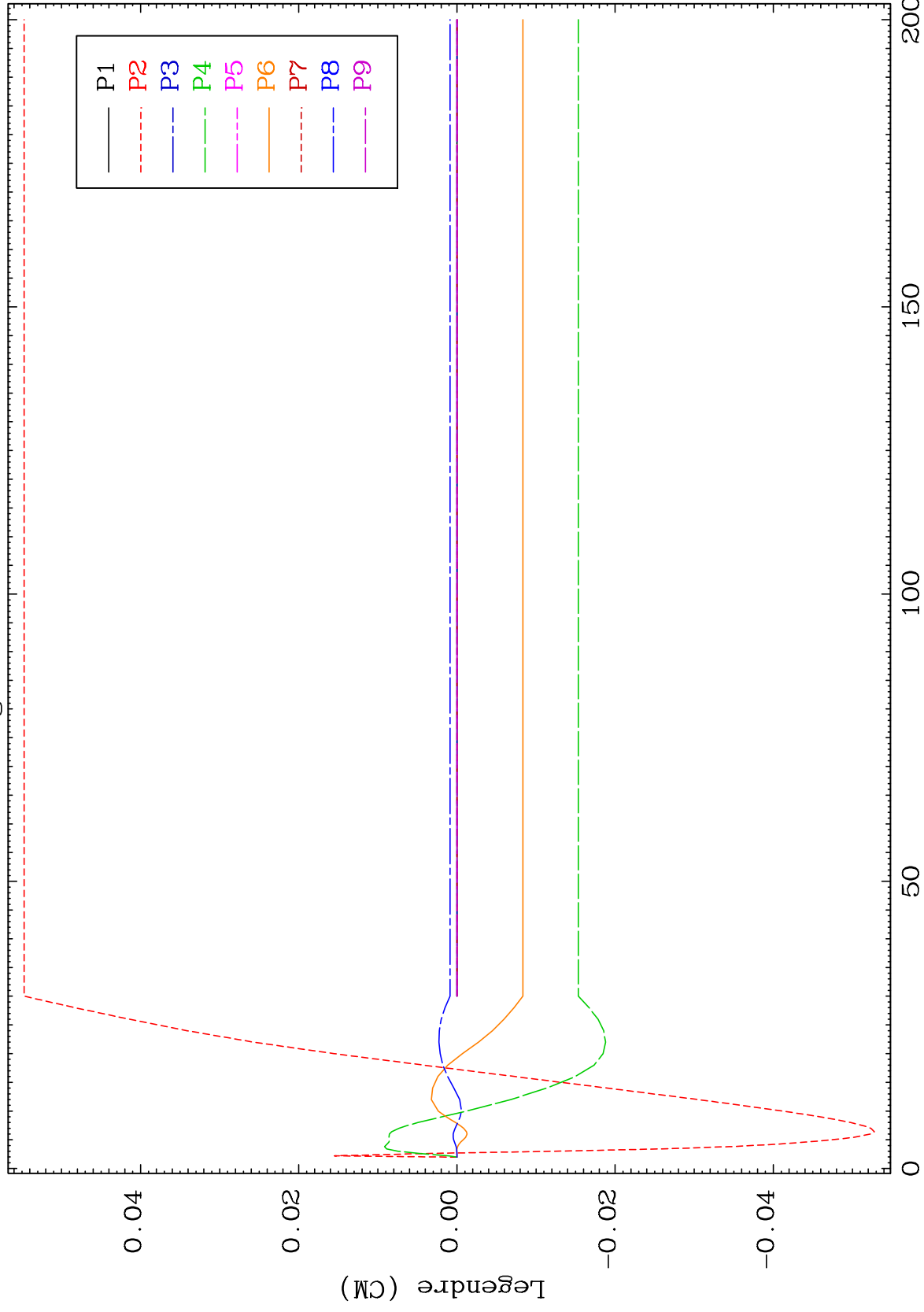
54-Xe-126



MAT 5431

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

54-Xe-126



61

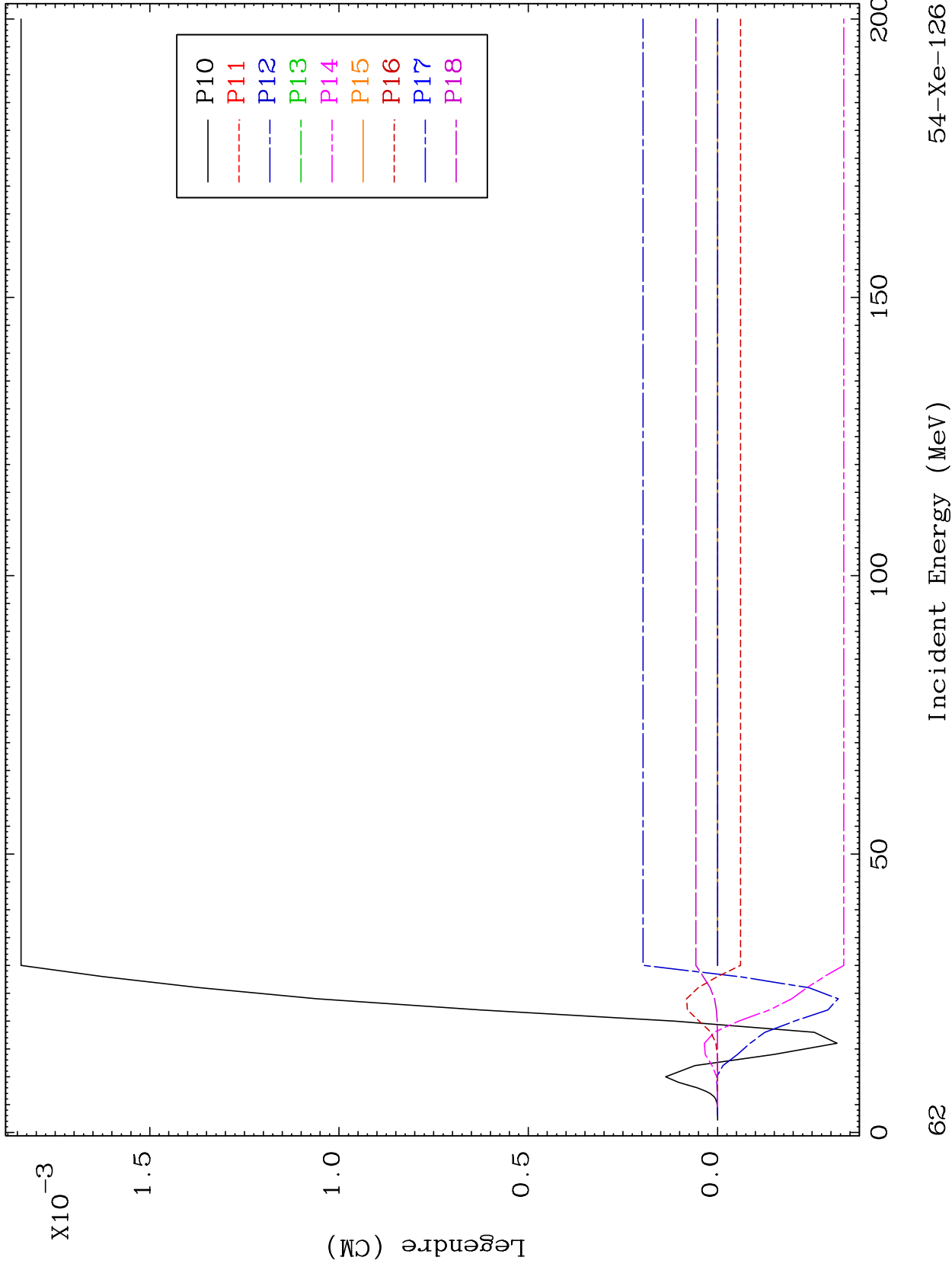
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

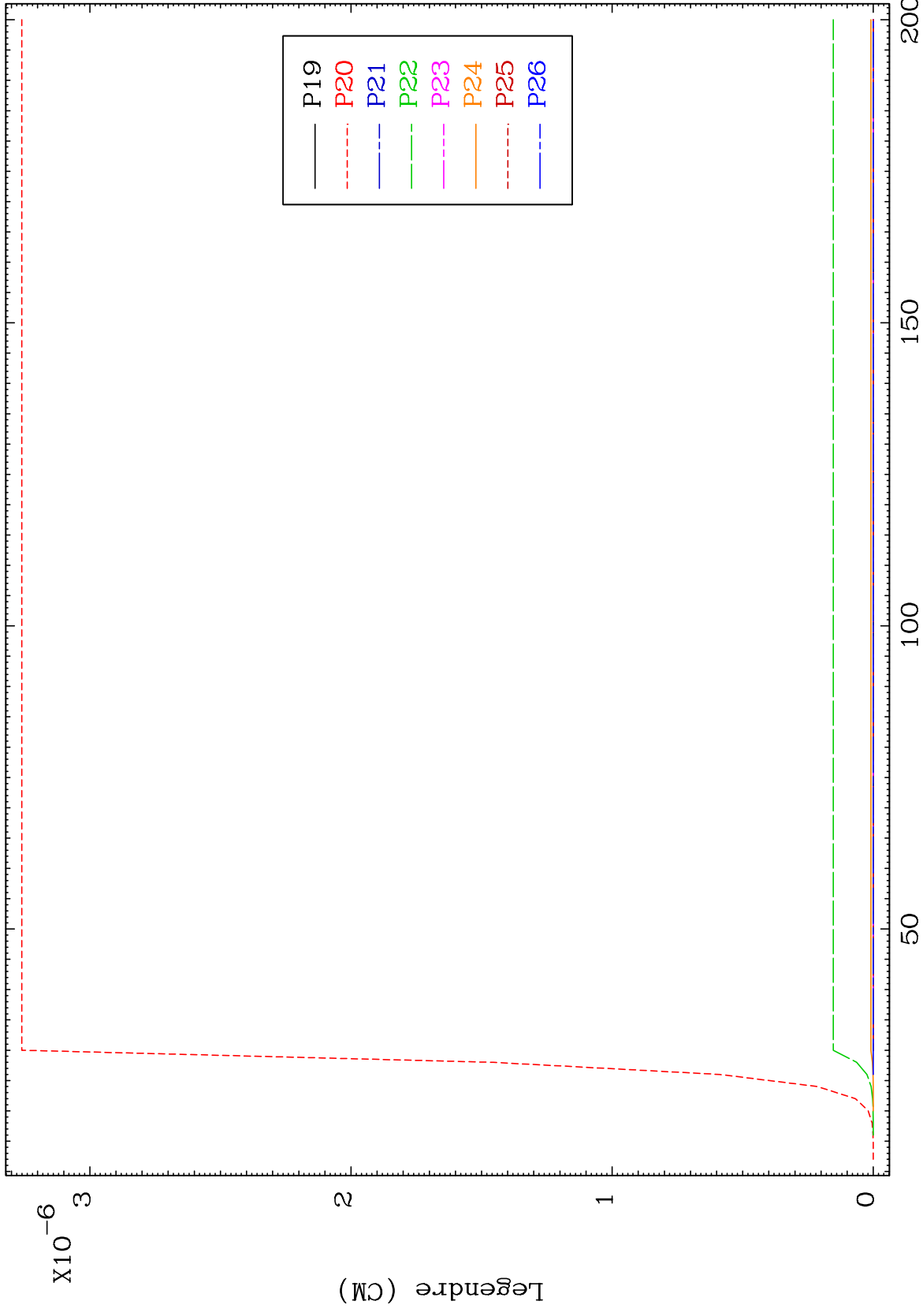
54-Xe-126



MAT 5431

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

54-Xe-126



63

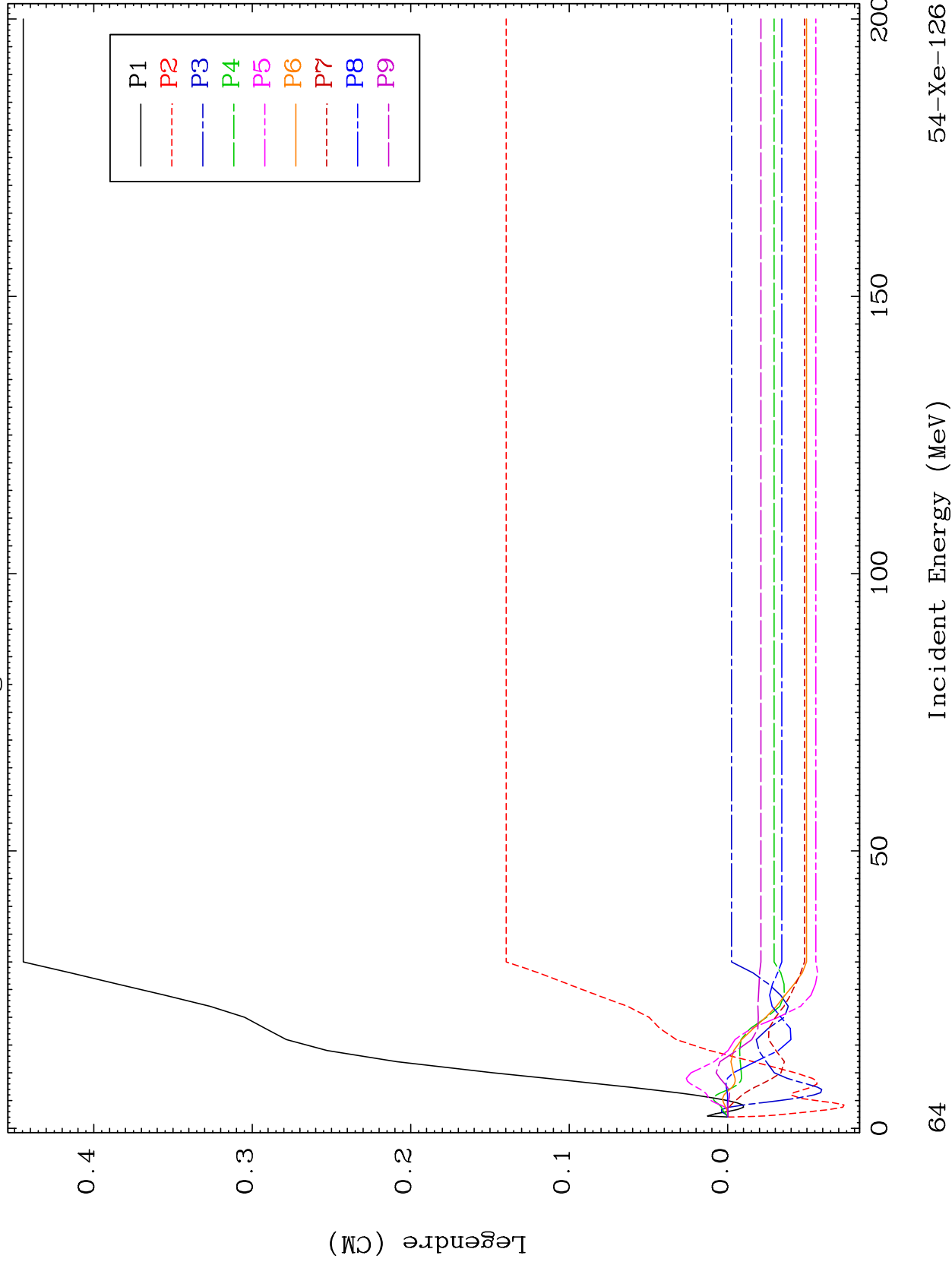
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

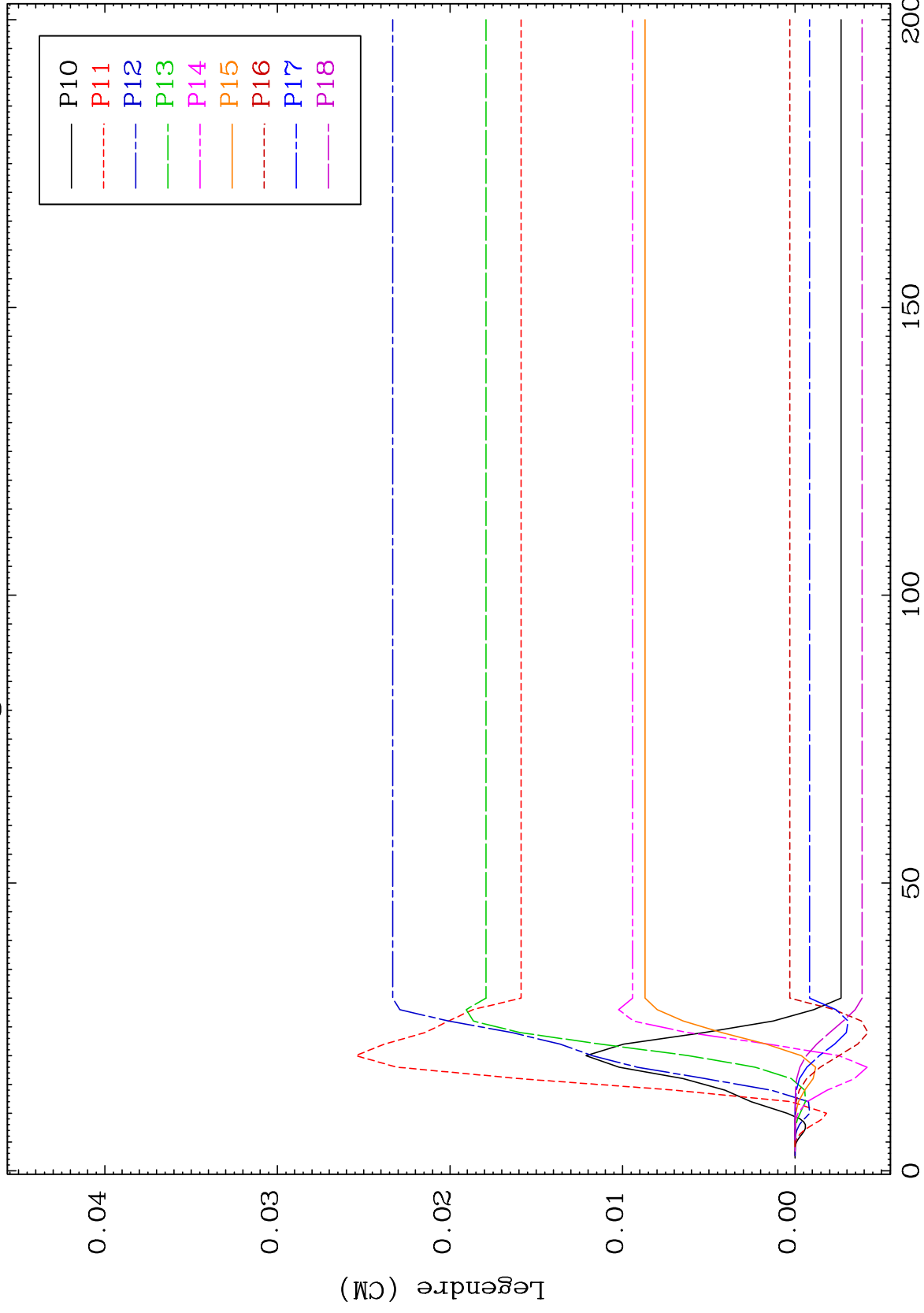
54-Xe-126



MAT 5431

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

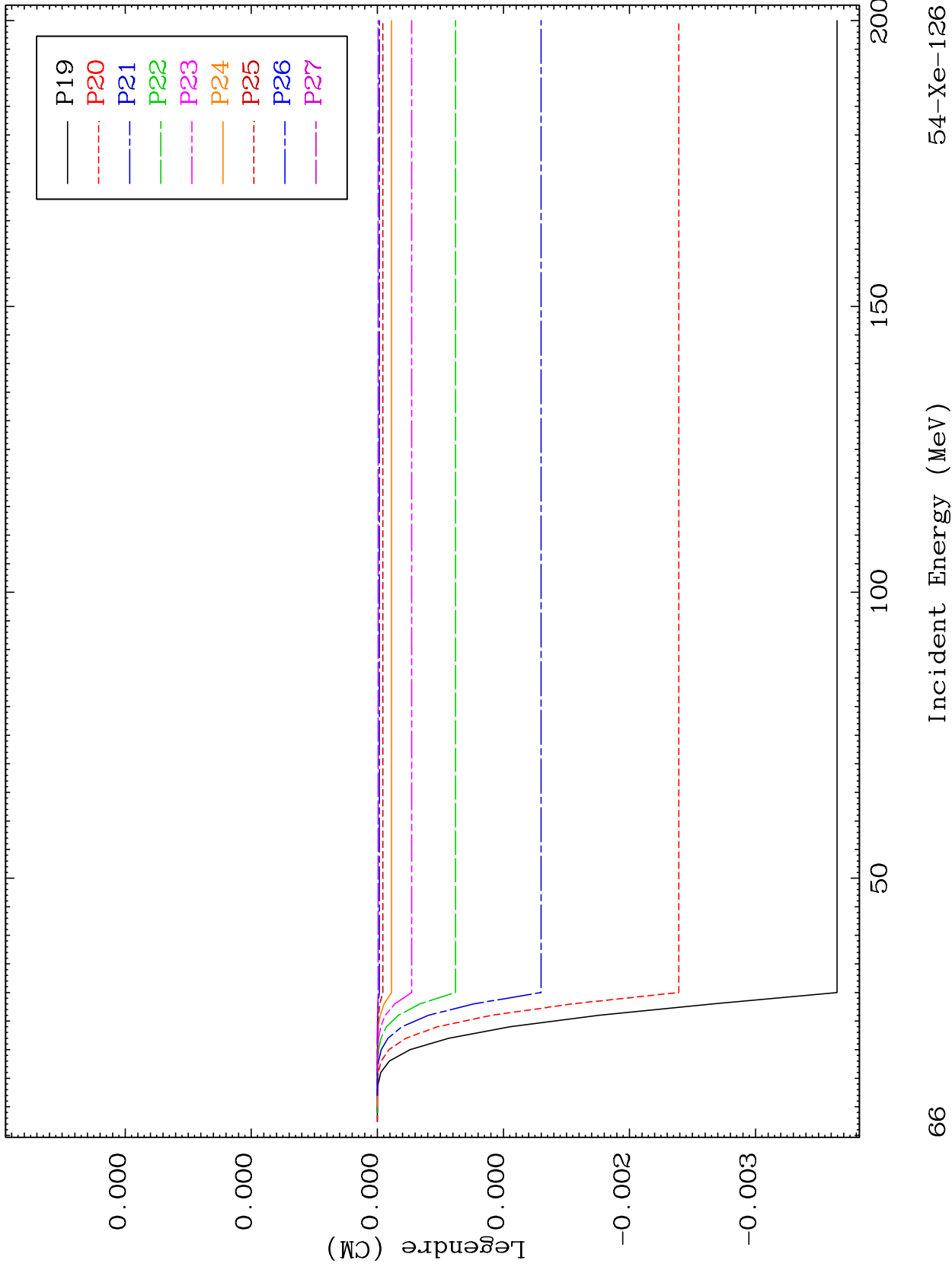
54-Xe-126



65

Incident Energy (MeV)

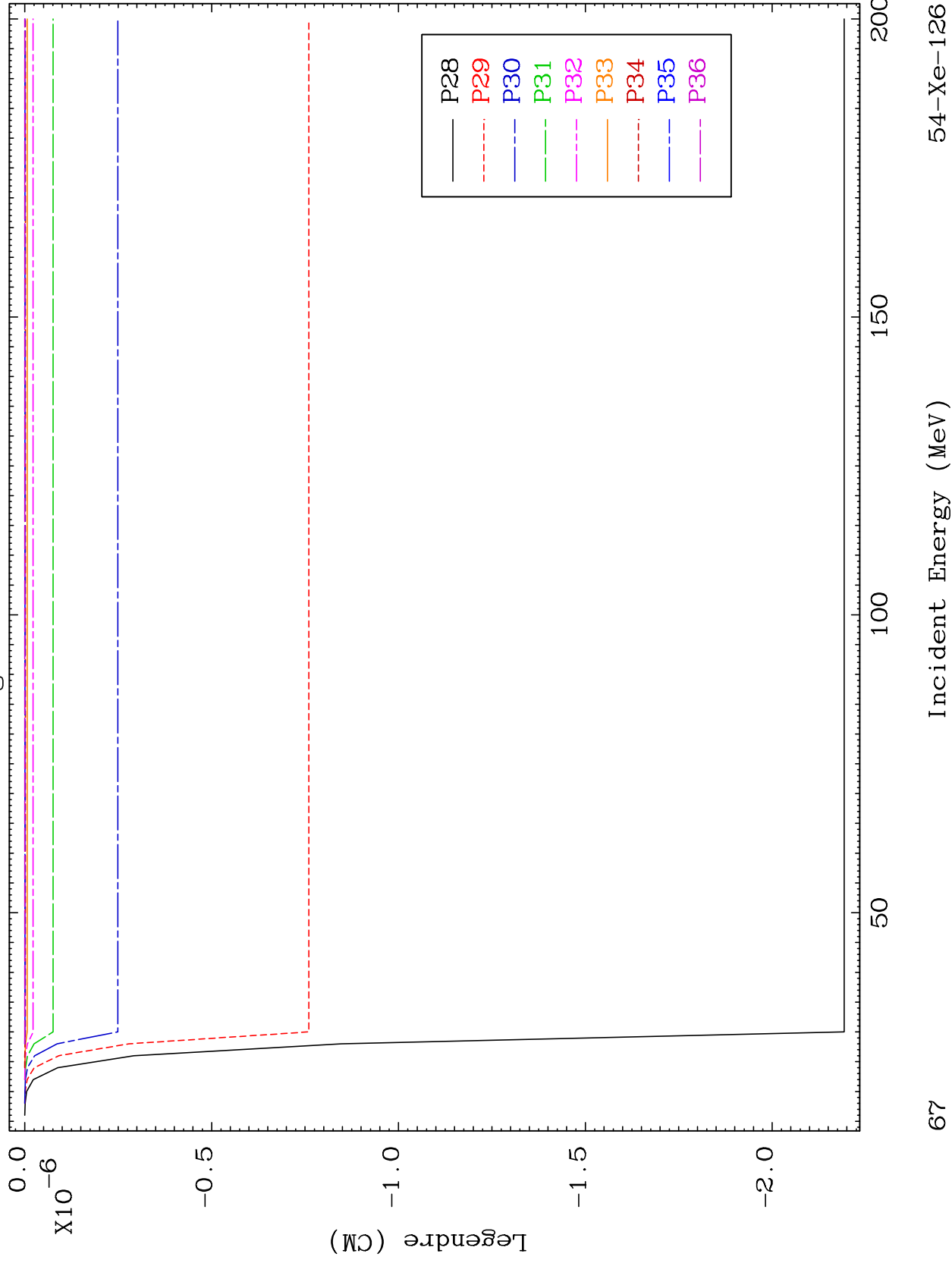
54-Xe-126



MAT 5431

54-Xe-126

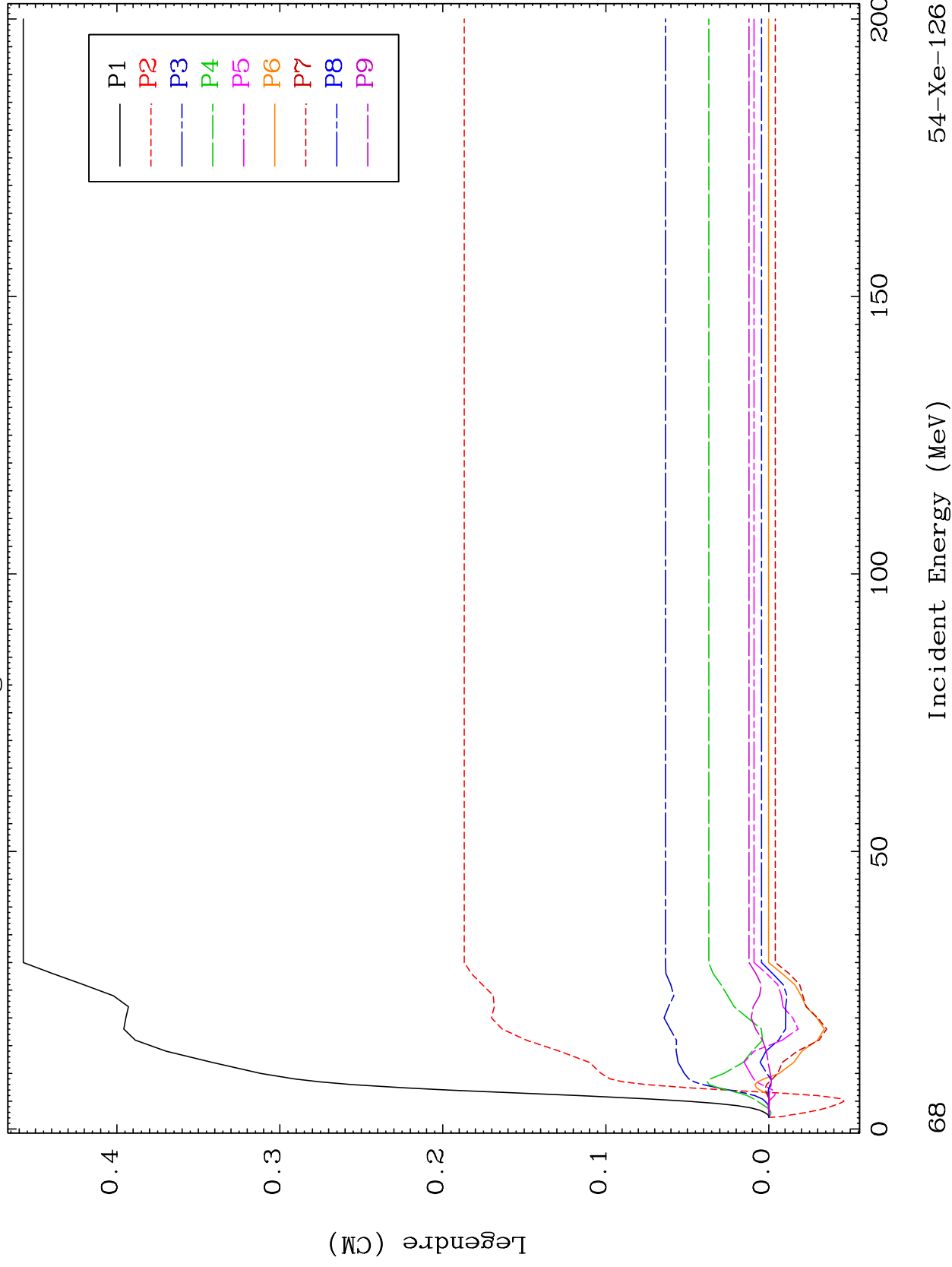
MT= 63 (n,n') Level
Legendre Coefficients



MAT 5431

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

54-Xe-126



54-Xe-126

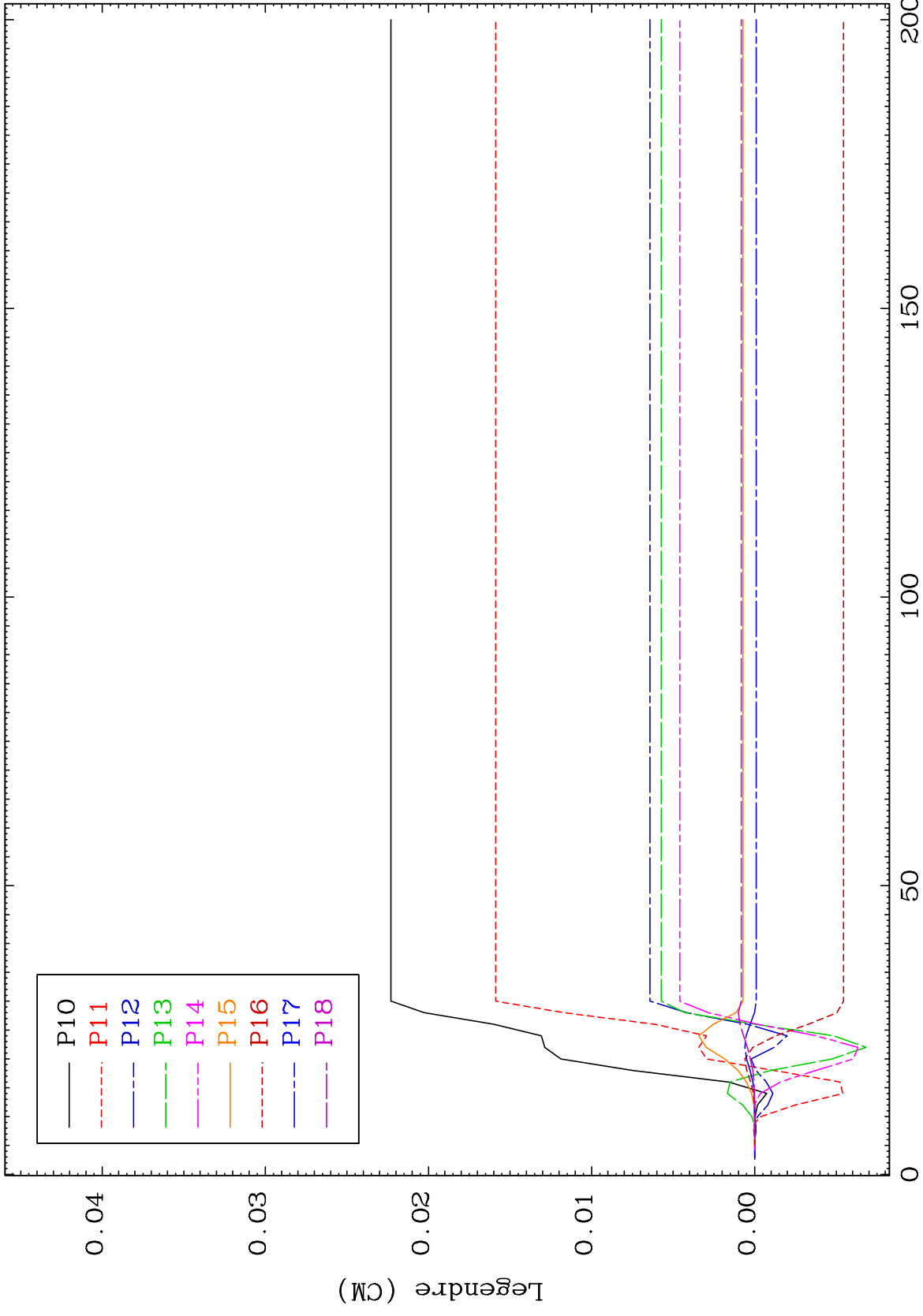
Incident Energy (MeV)

68

MAT 5431

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

54-Xe-126



69

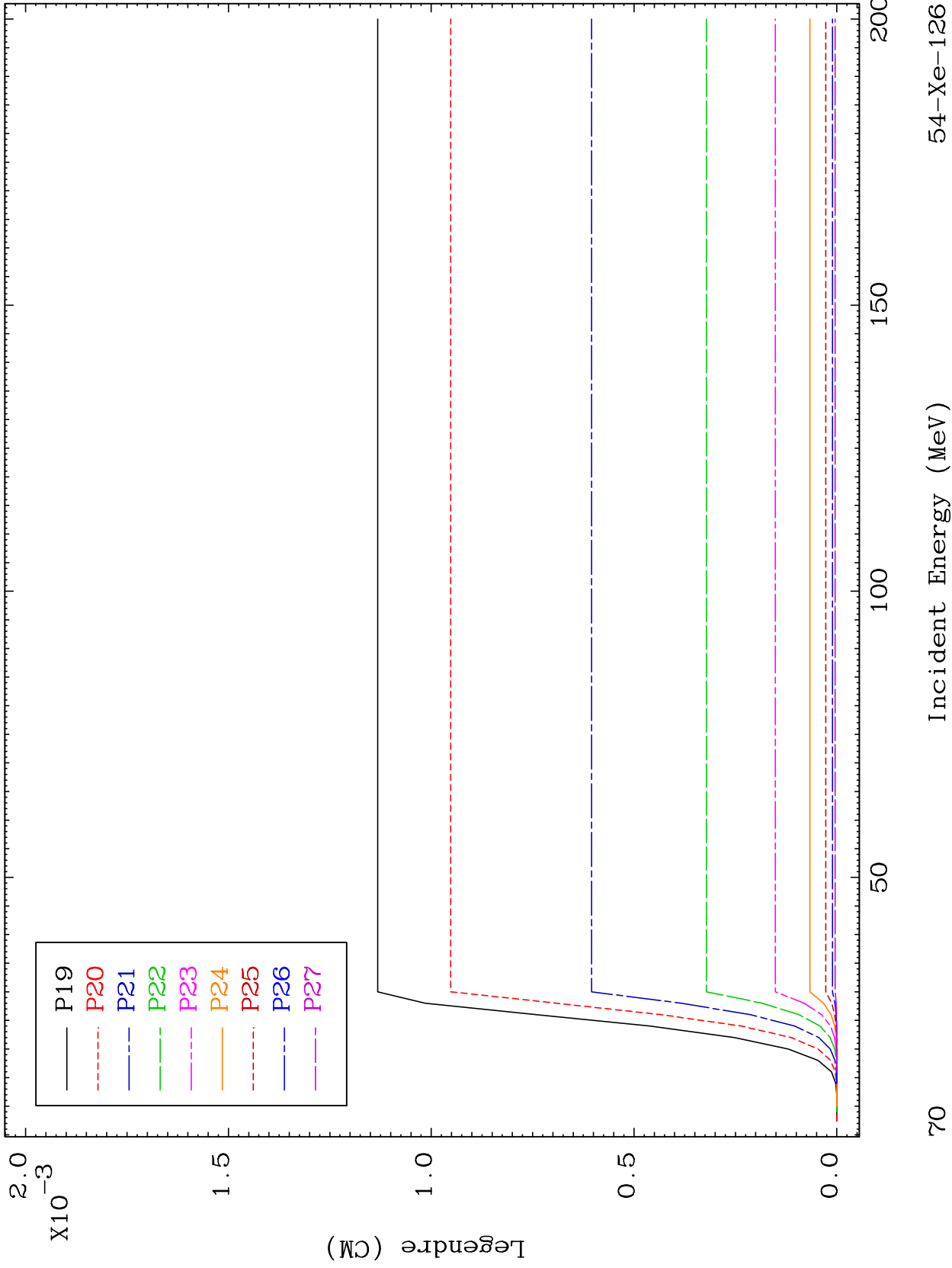
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

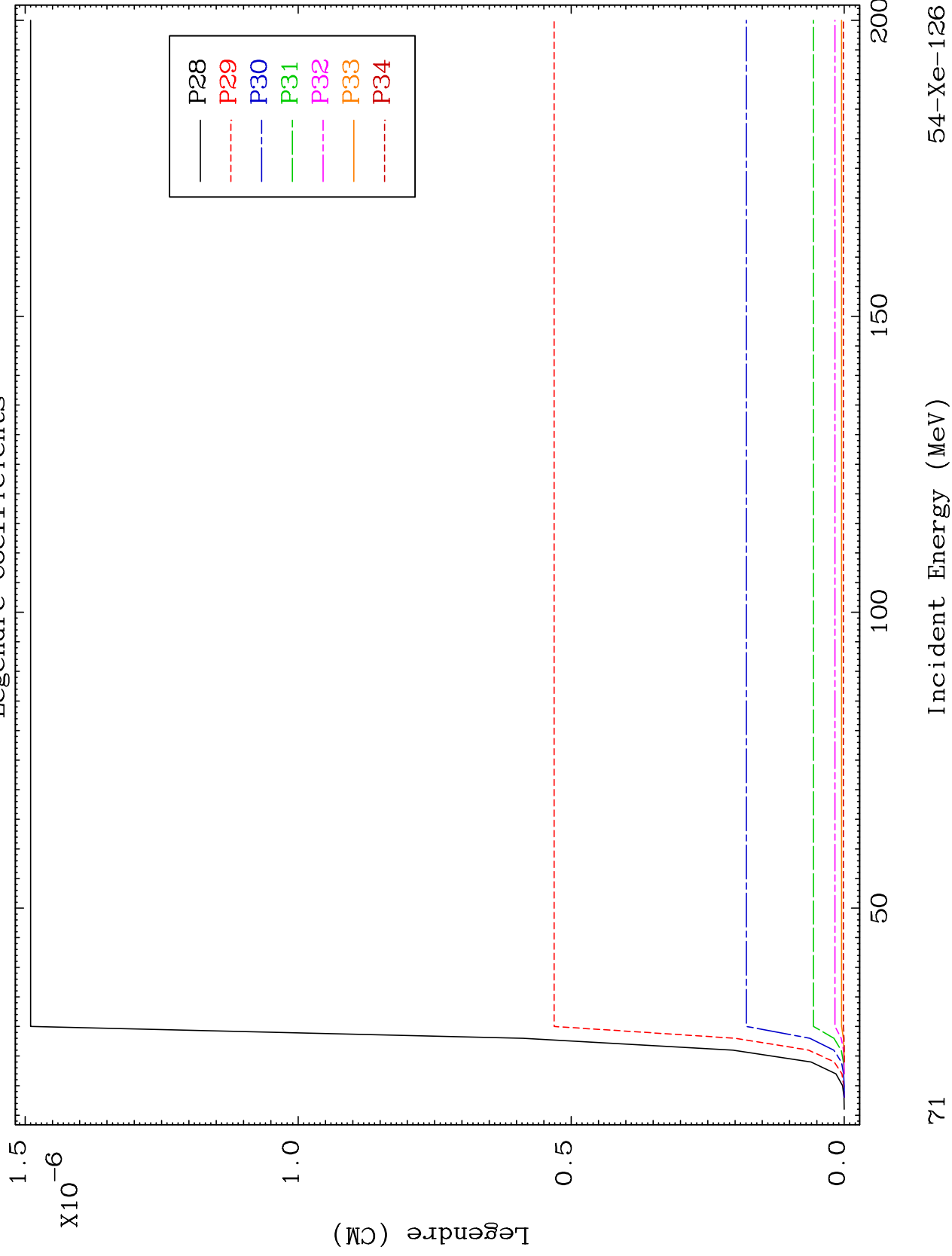
54-Xe-126



MAT 5431

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

54-Xe-126

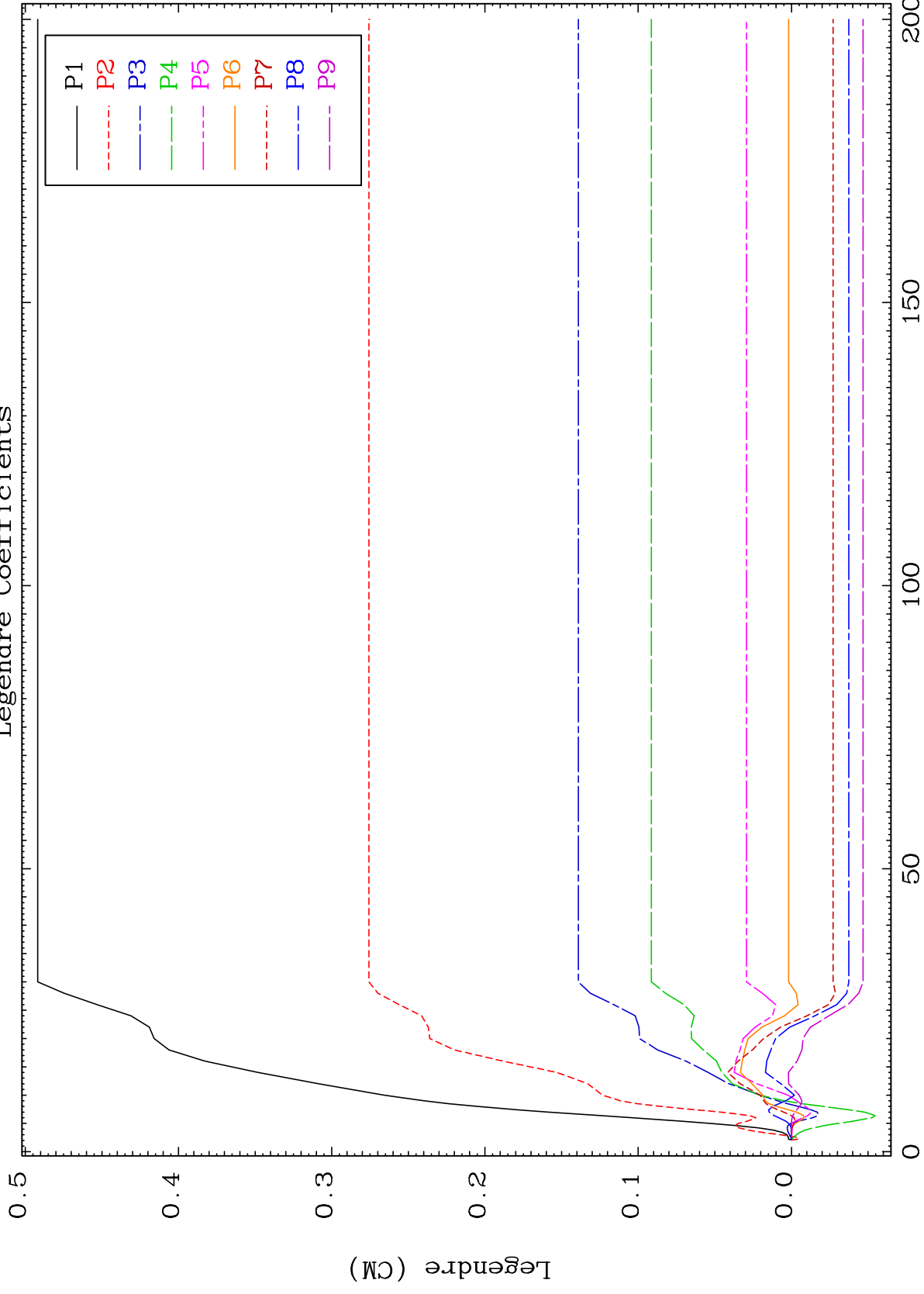


MAT 5431

MT= 65 (n,n') Level

54-Xe-126

Legendre Coefficients



72

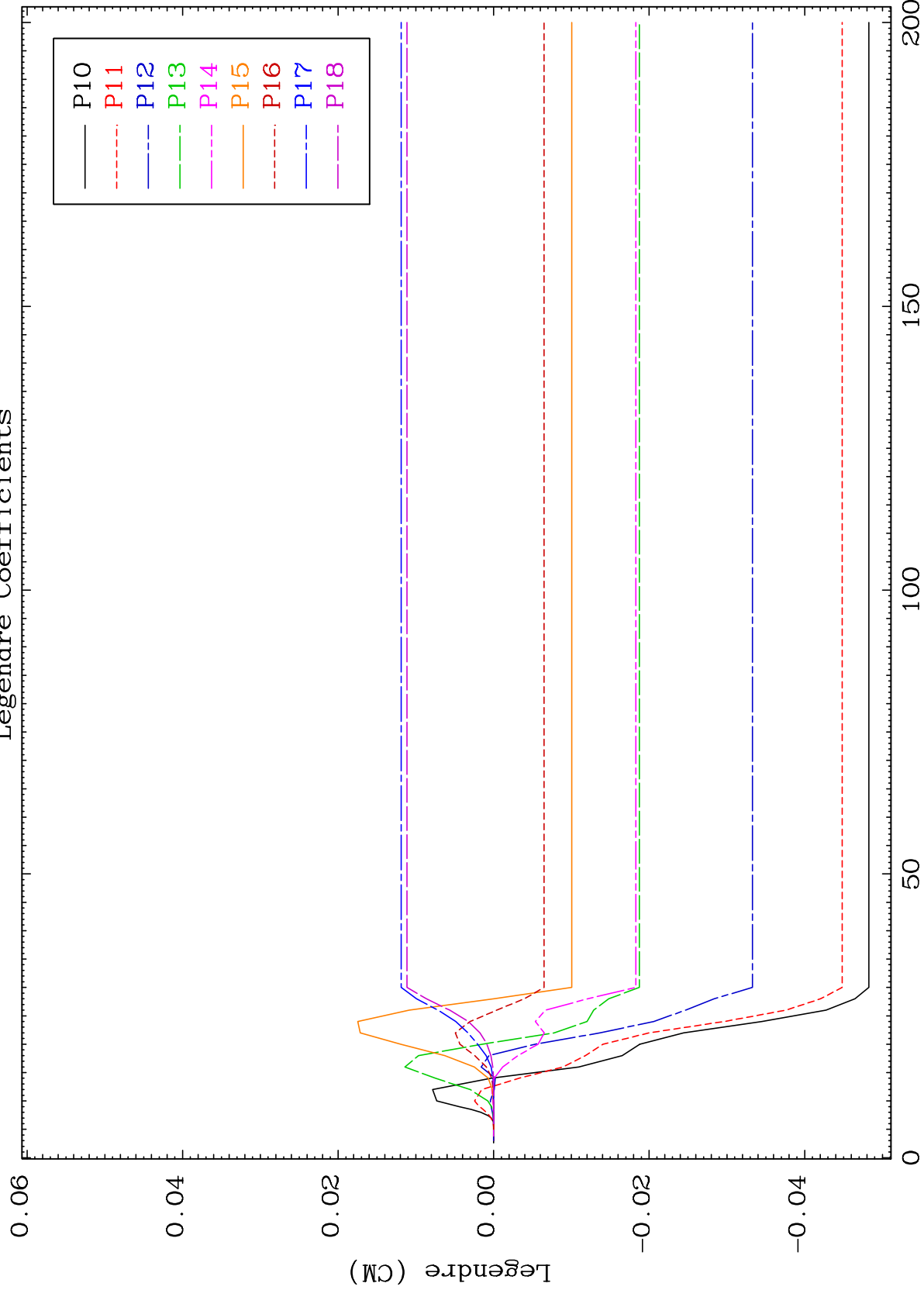
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



73

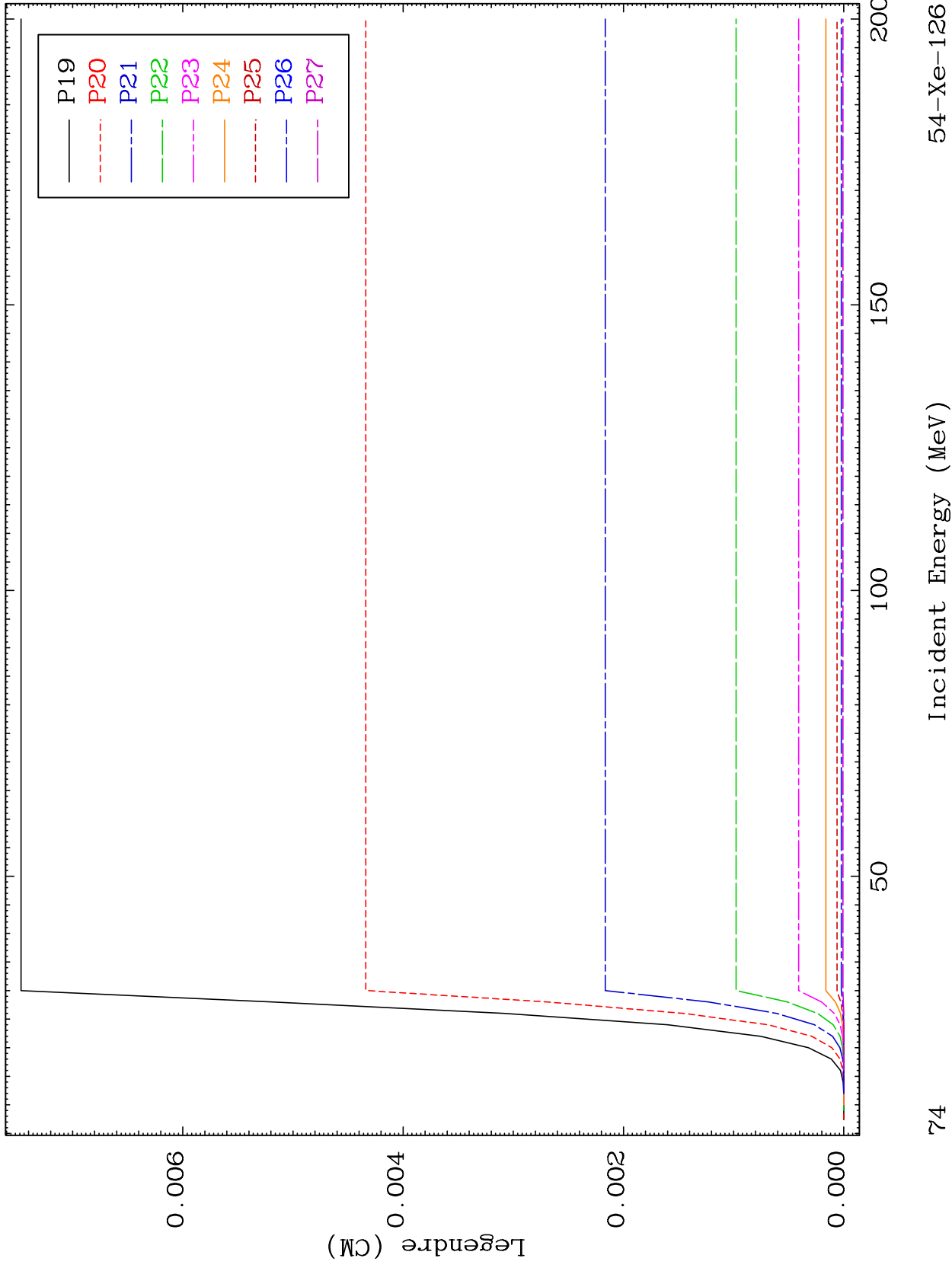
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



74

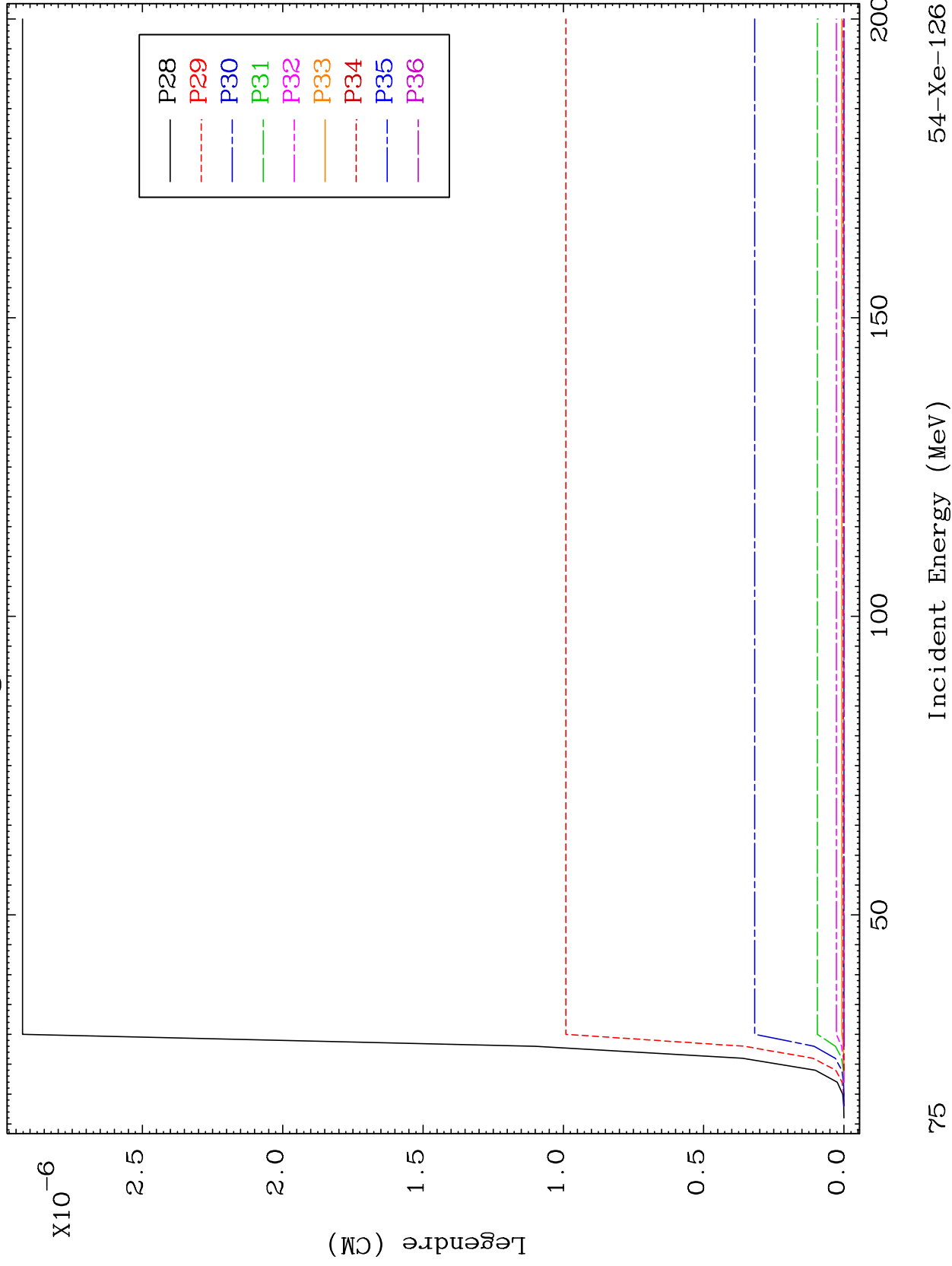
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



75

Incident Energy (MeV)

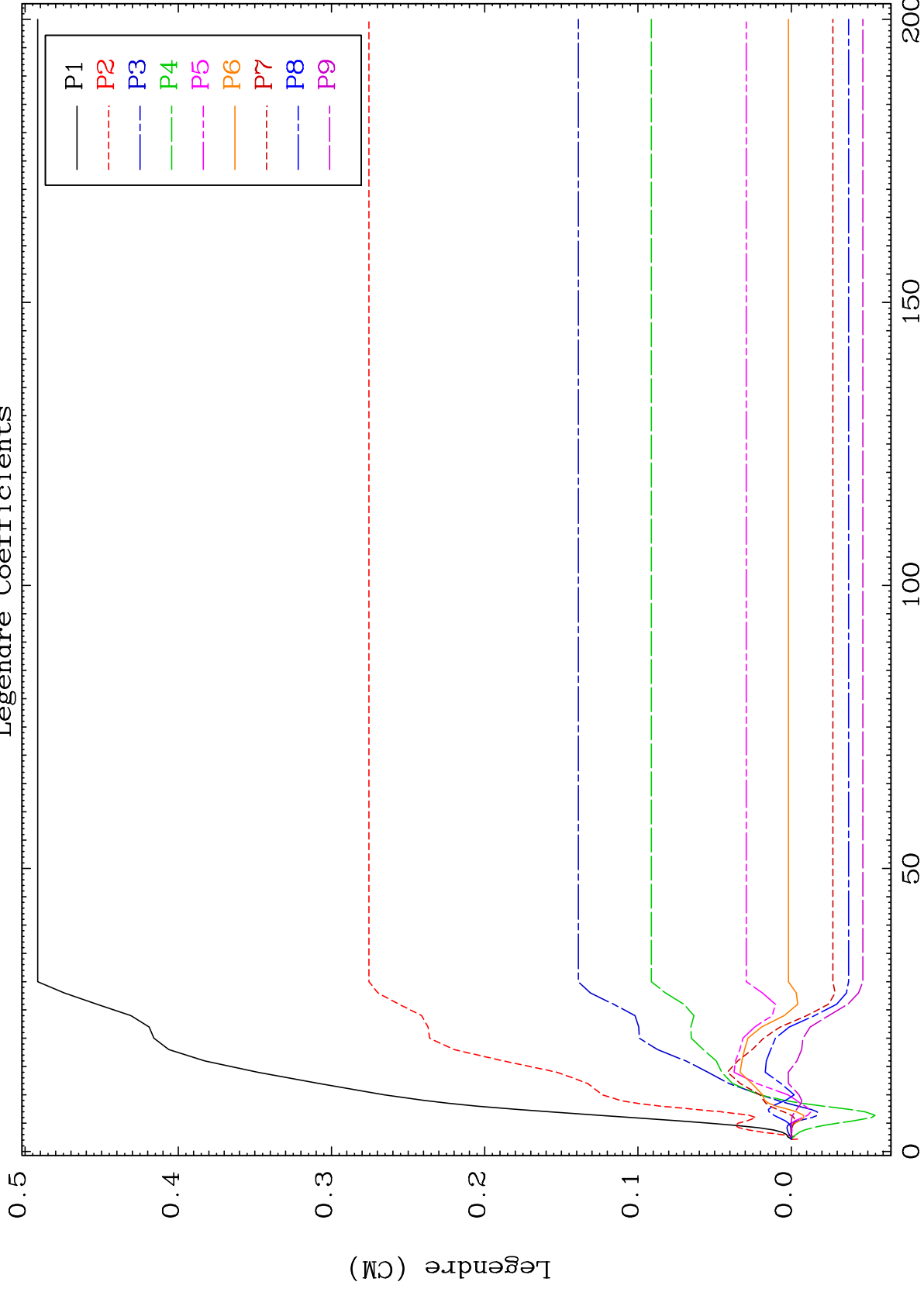
54-Xe-126

MAT 5431

MT= 66 (n,n') Level

54-Xe-126

Legendre Coefficients



76

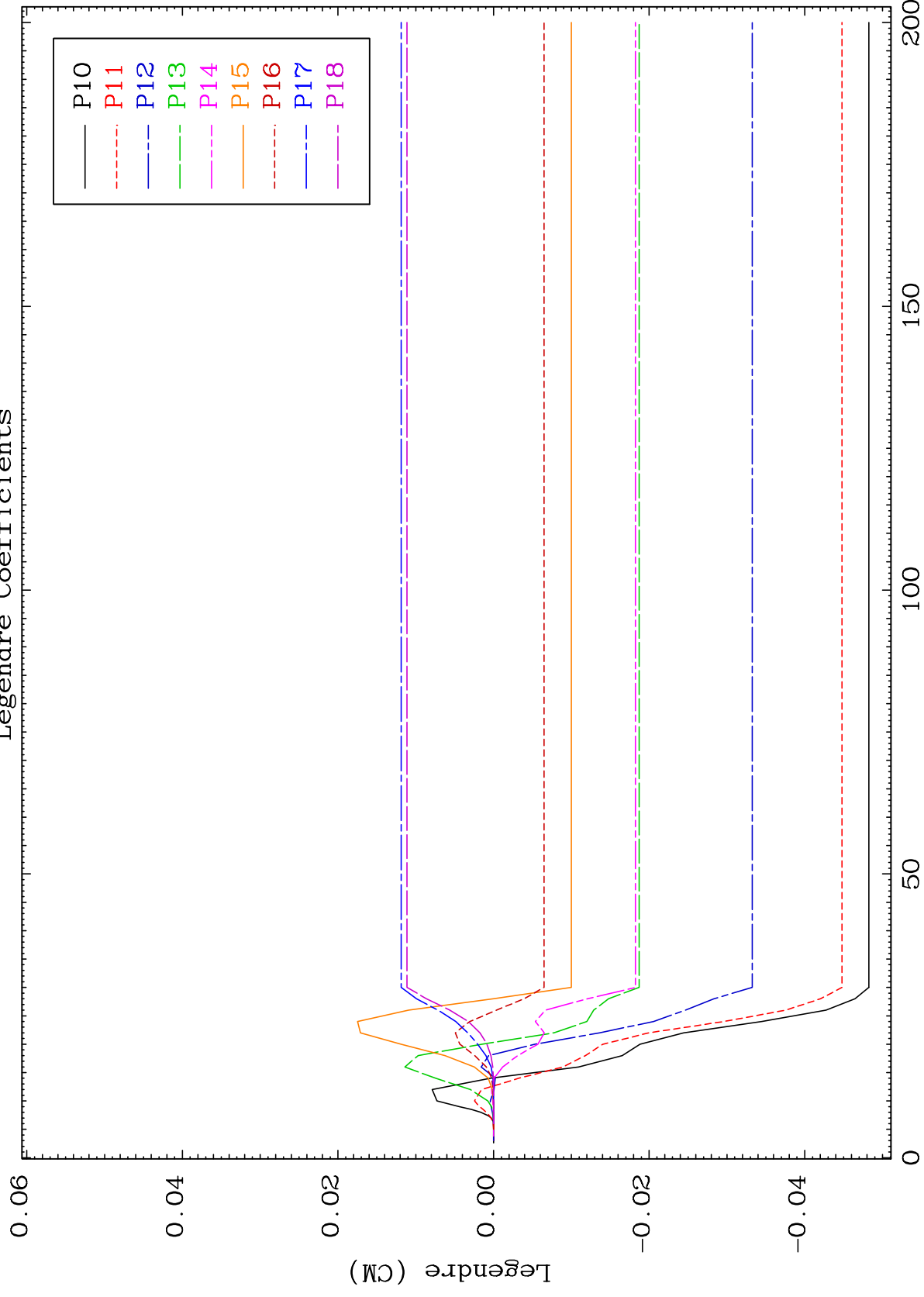
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



77

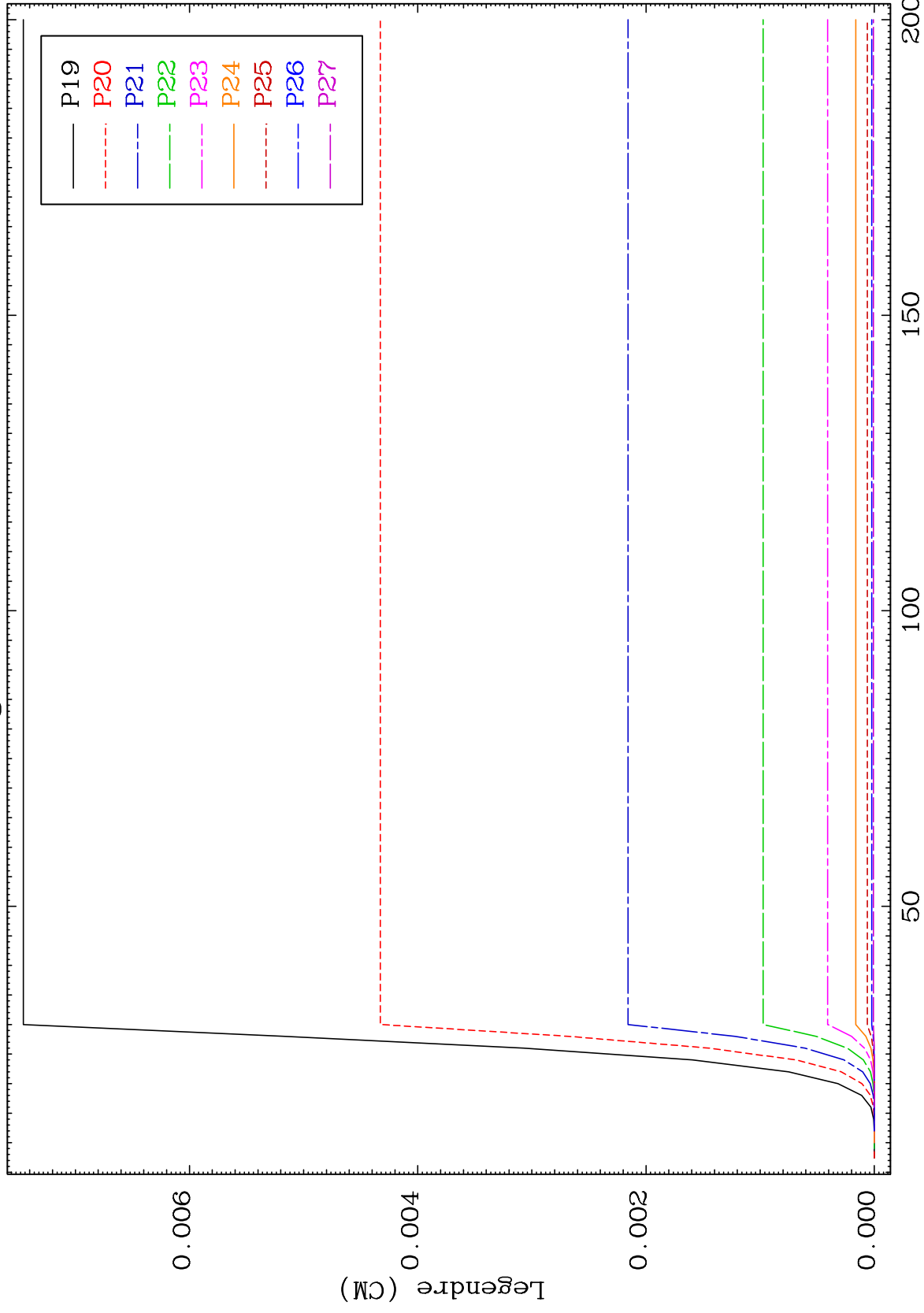
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



78

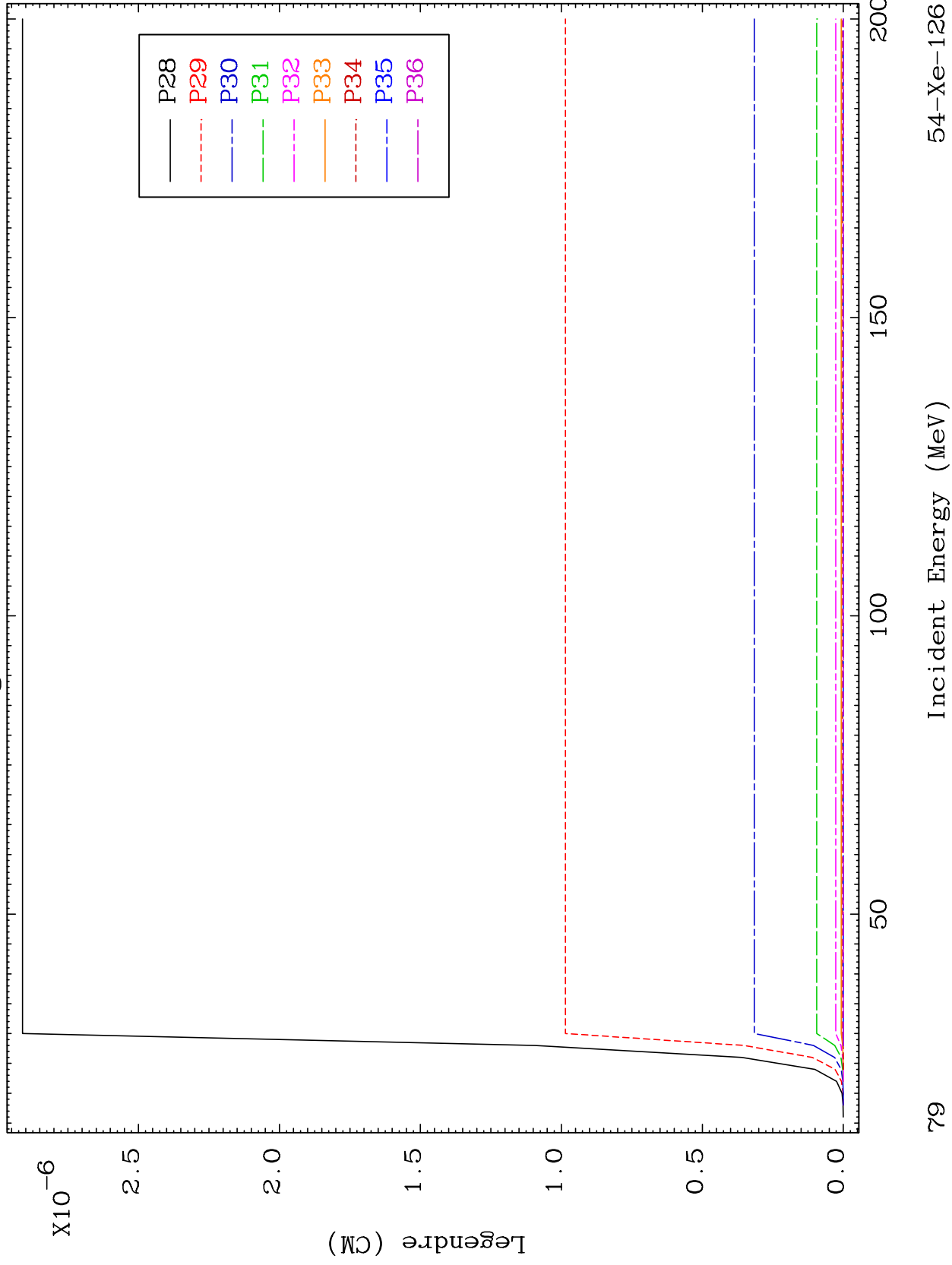
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



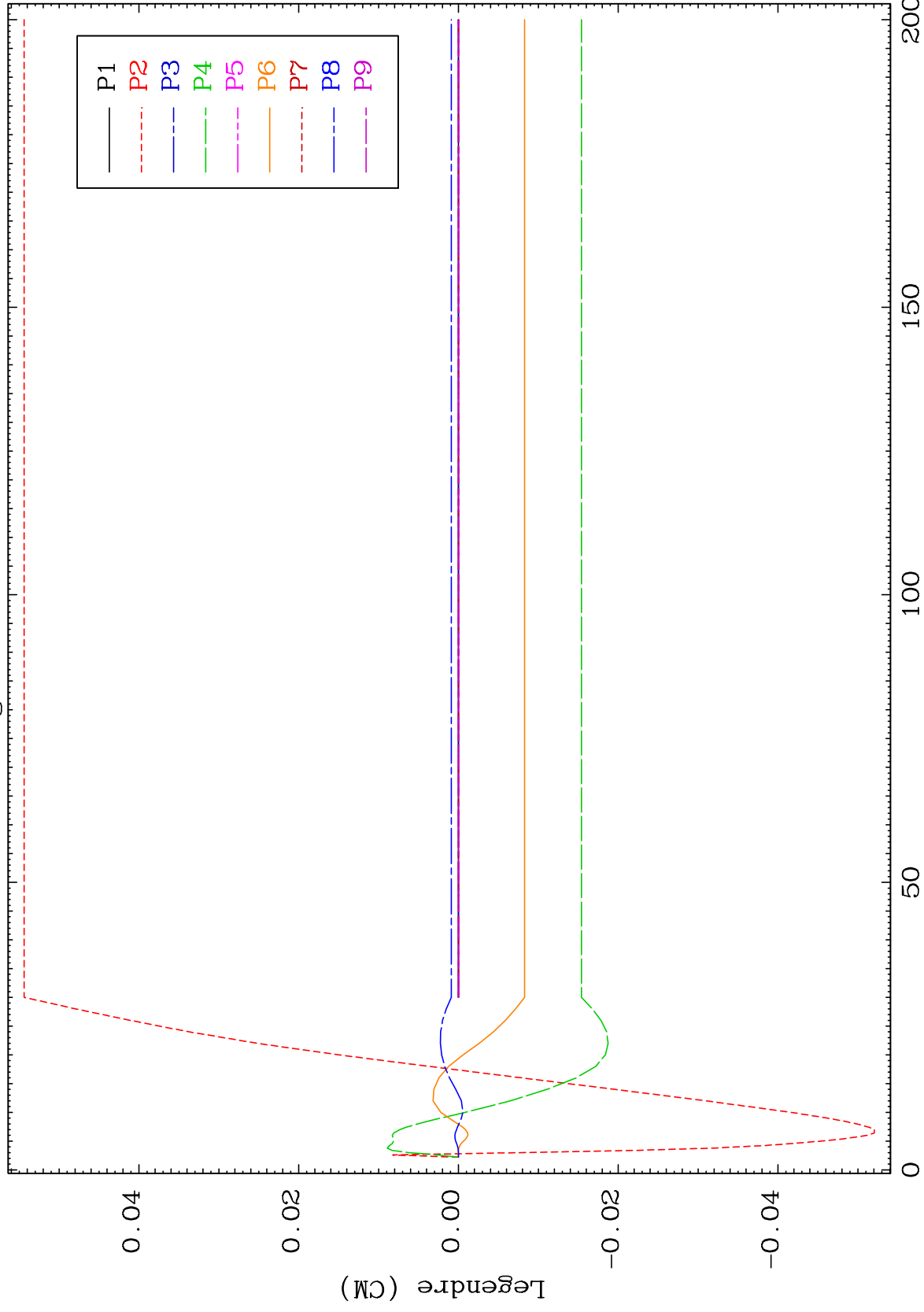
79

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

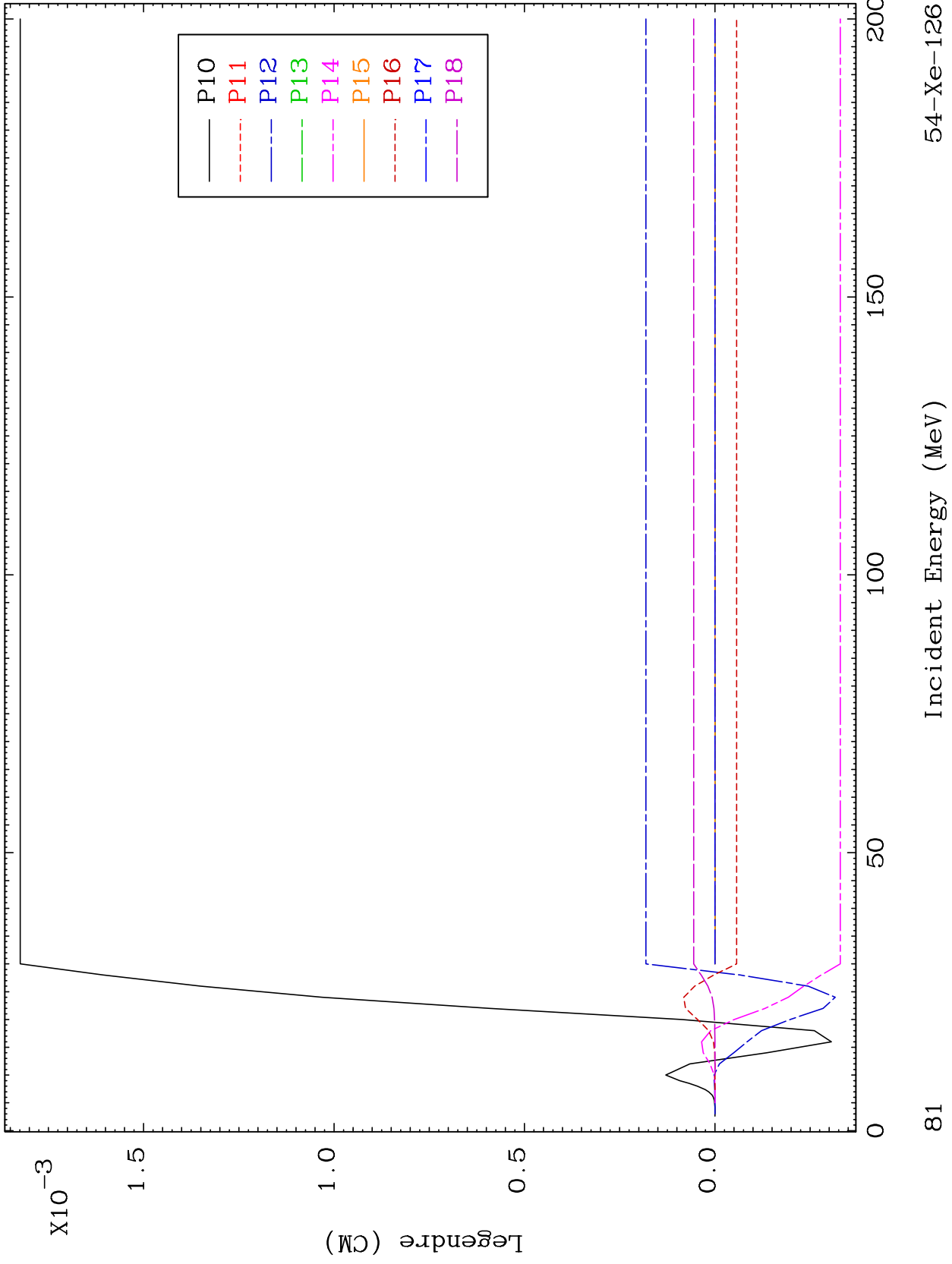
Incident Energy (MeV)

80

MAT 5431

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

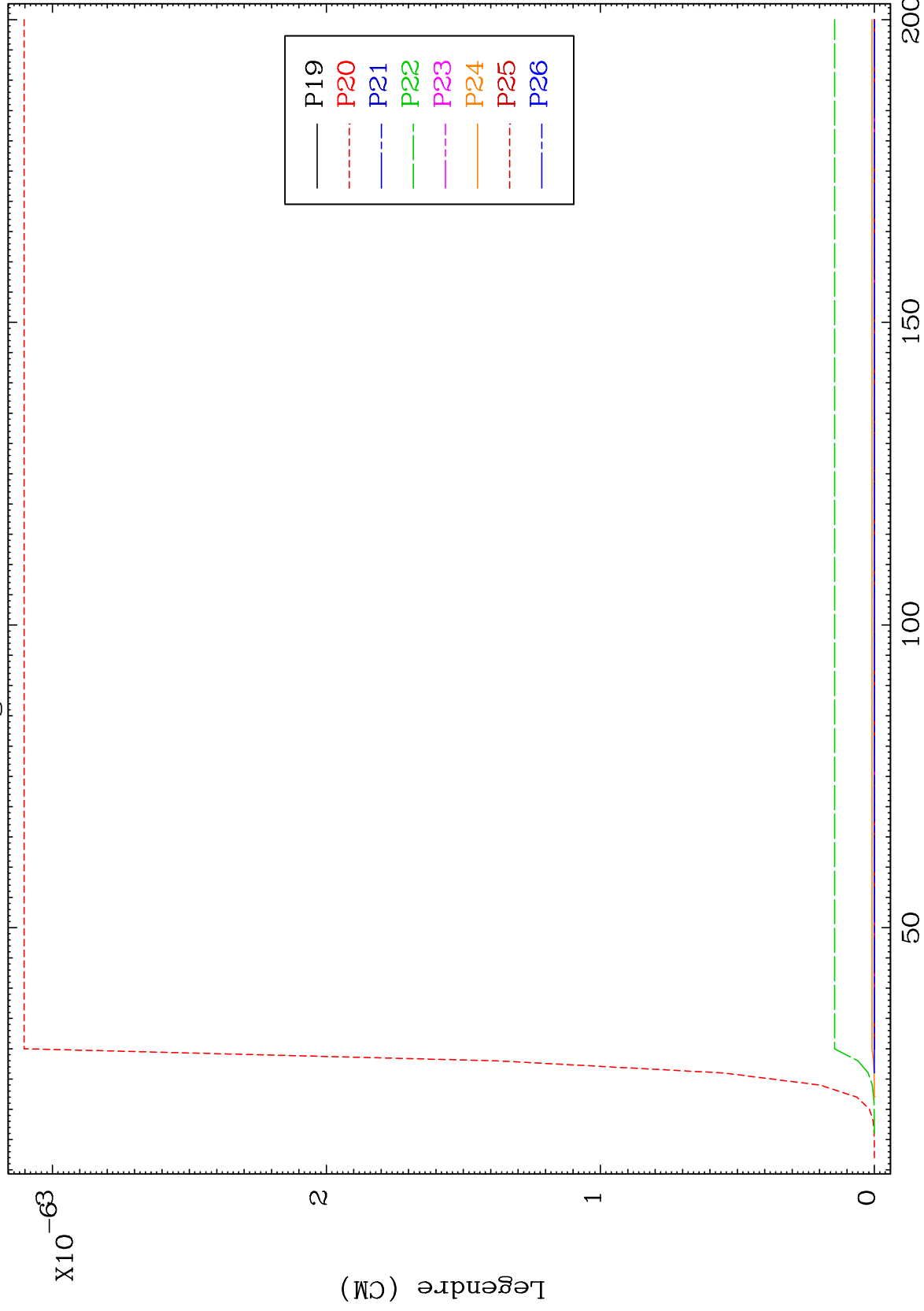
54-Xe-126



MAT 5431

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

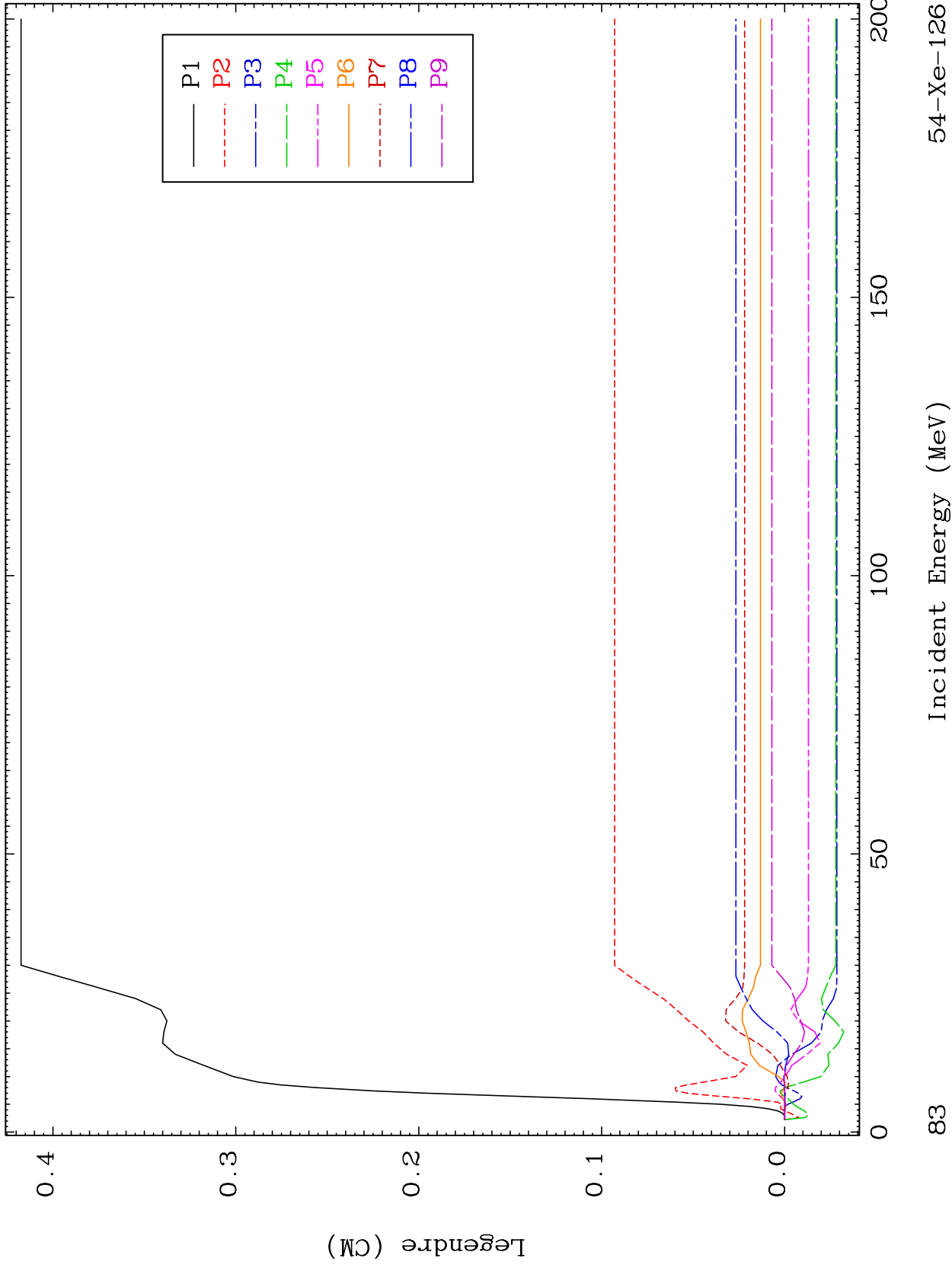
54-Xe-126



82

Incident Energy (MeV)

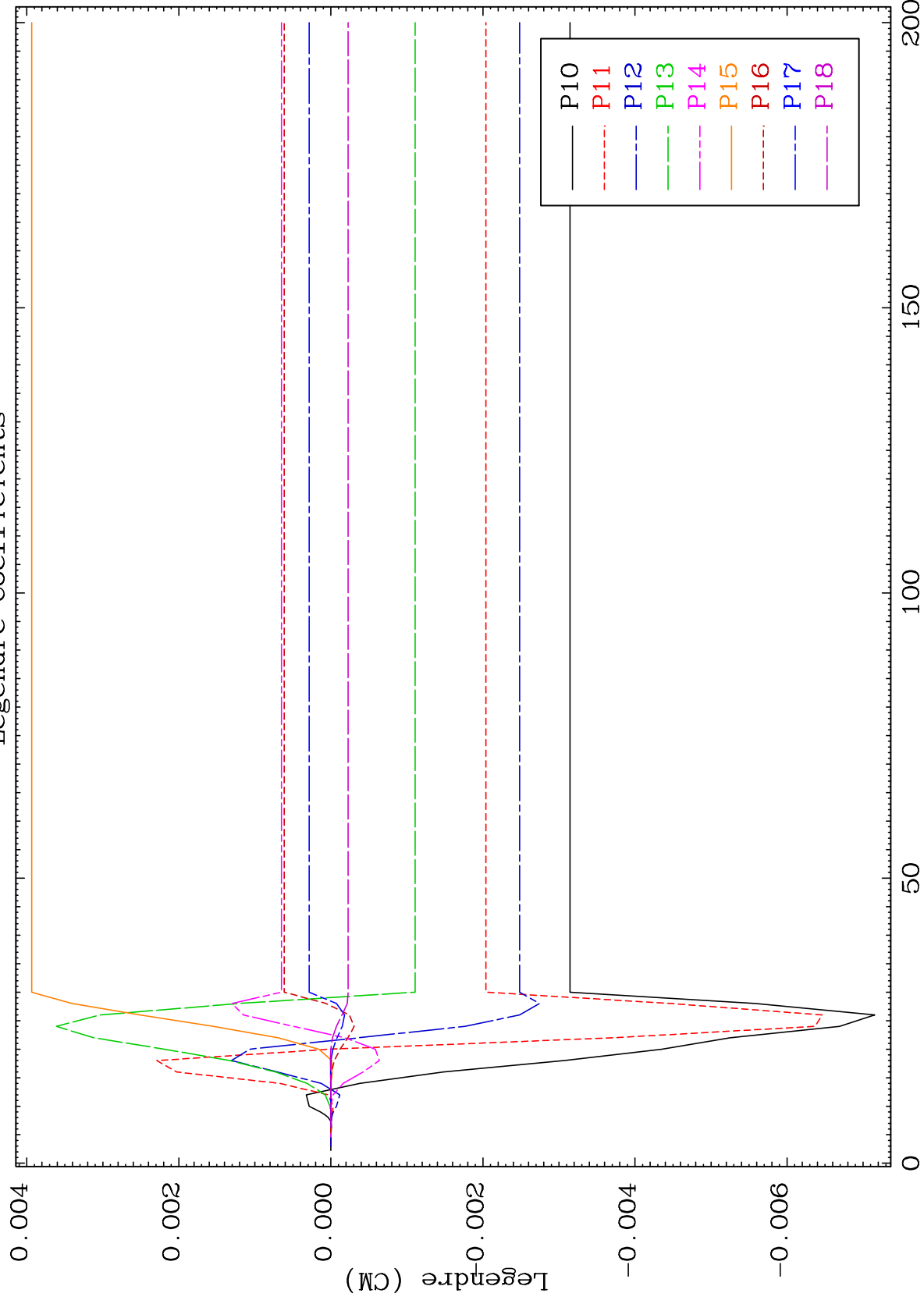
54-Xe-126



MAT 5431

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

54-Xe-126



84

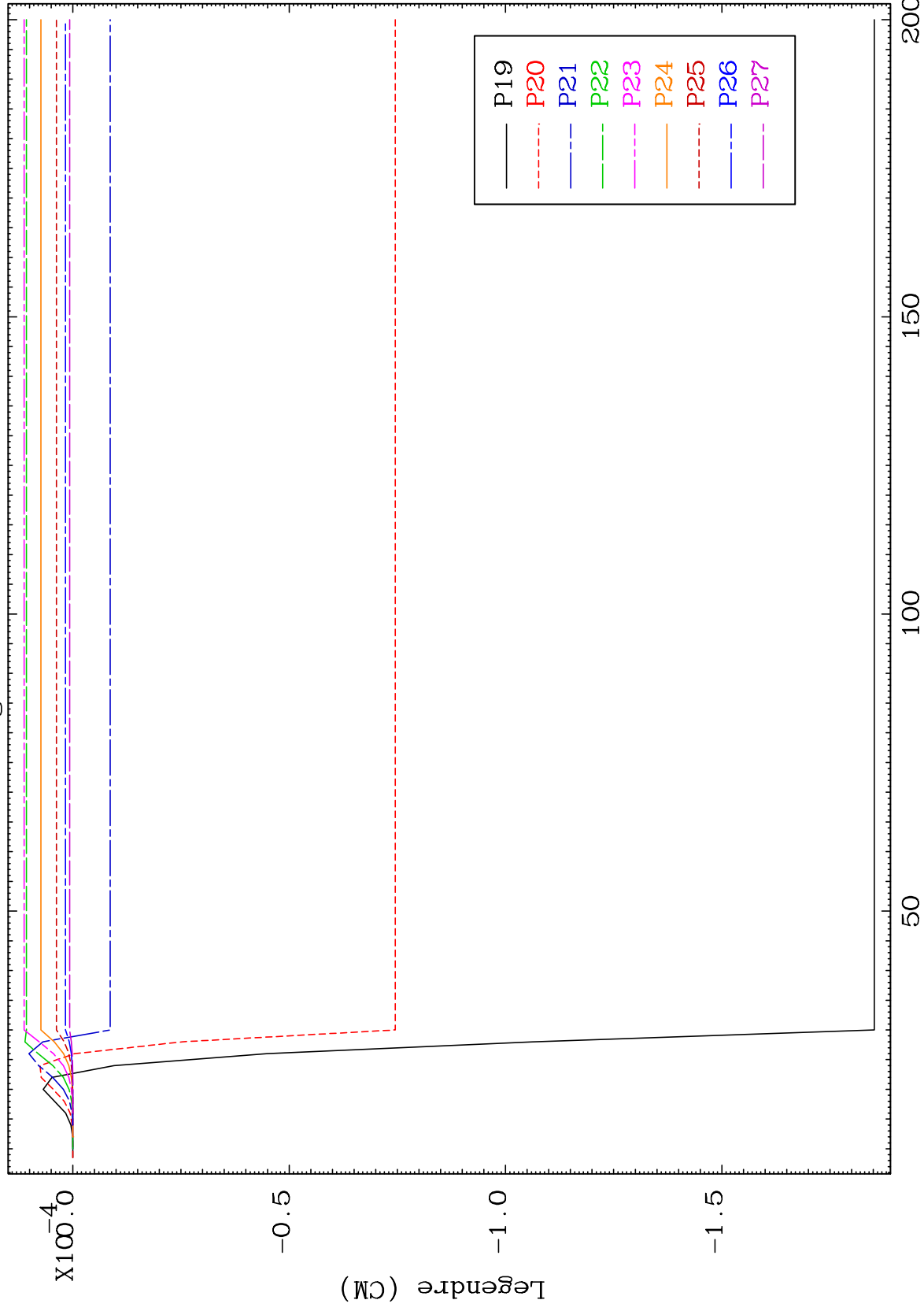
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



85

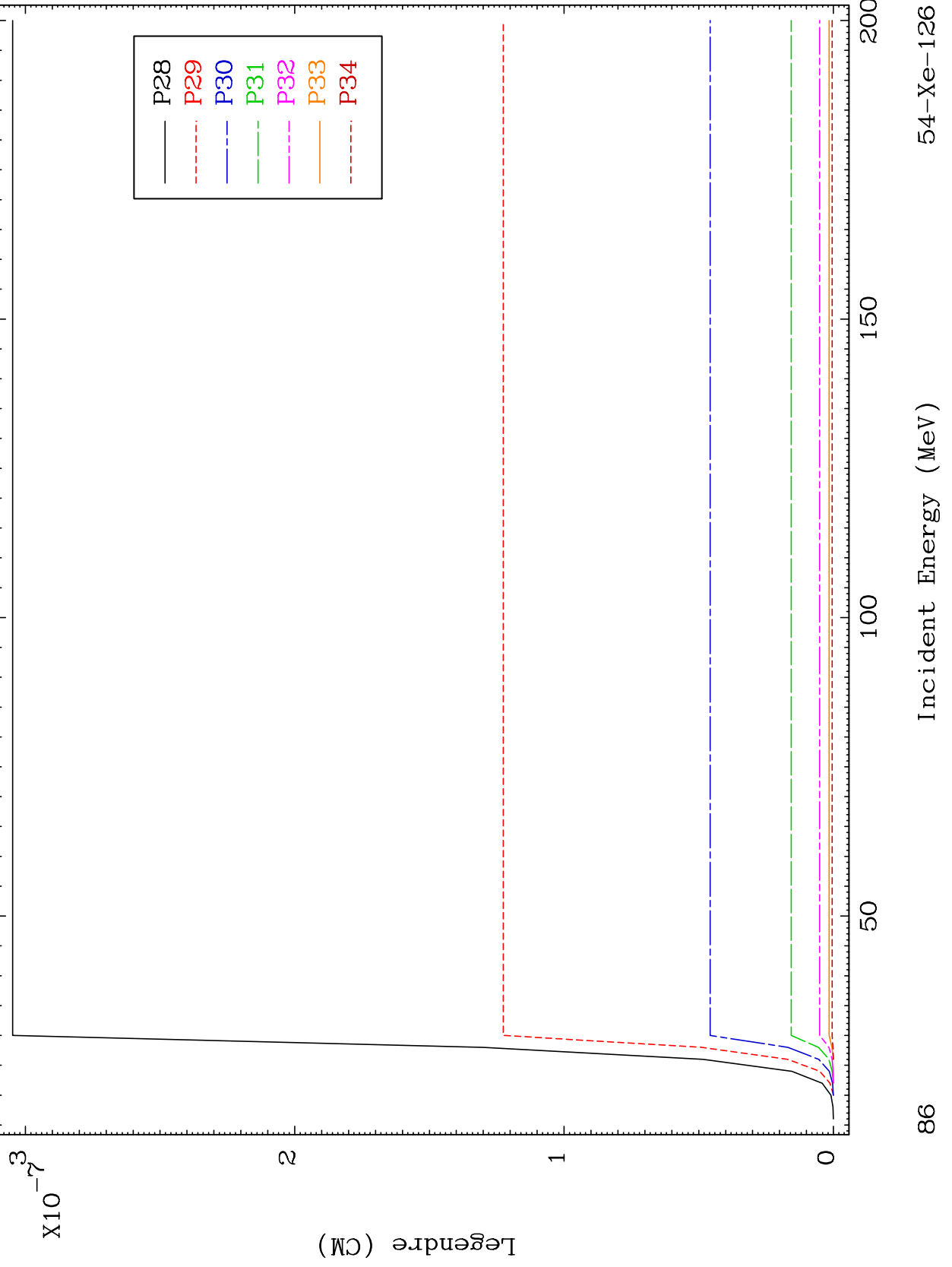
Incident Energy (MeV)

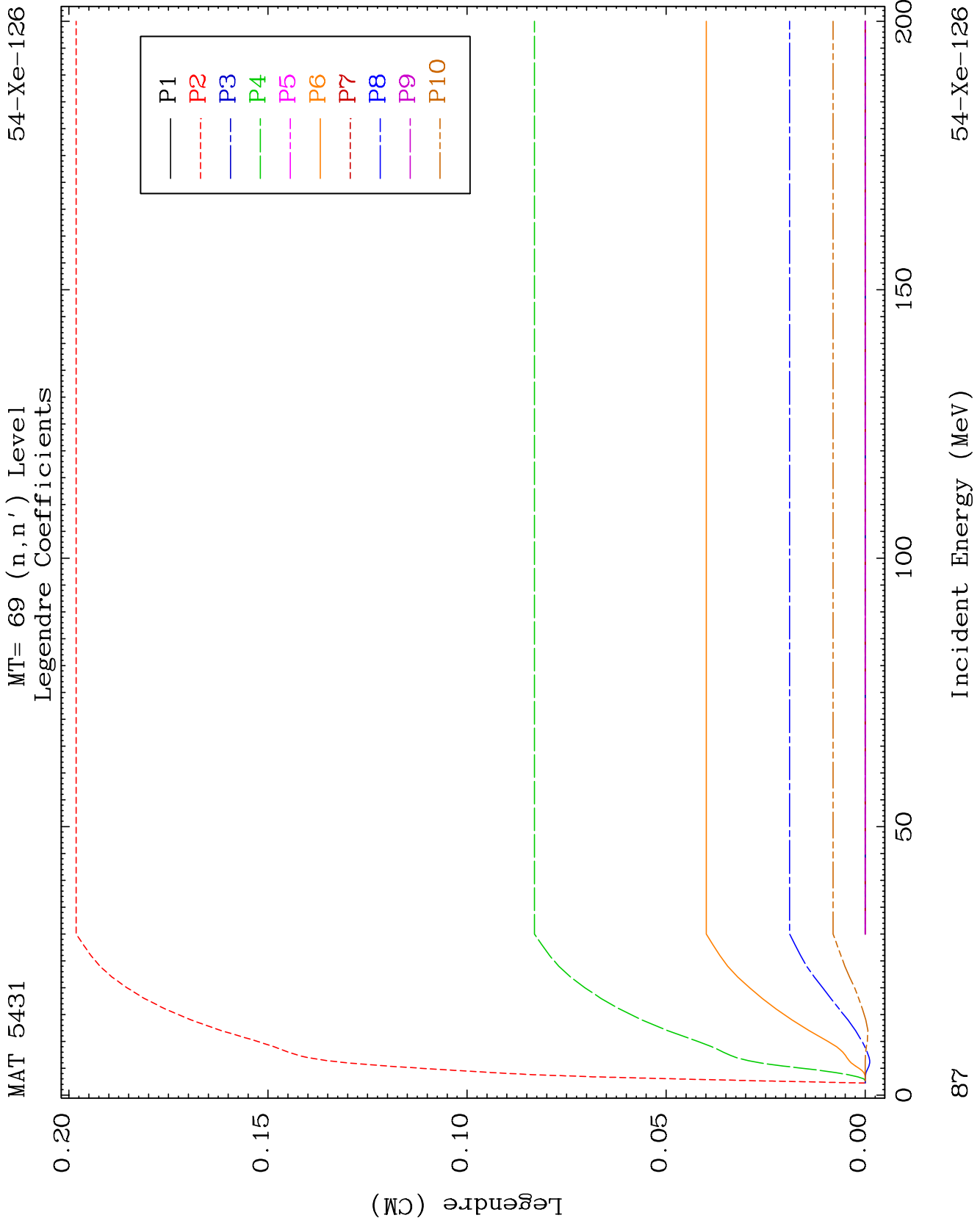
54-Xe-126

MAT 5431

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

54-Xe-126

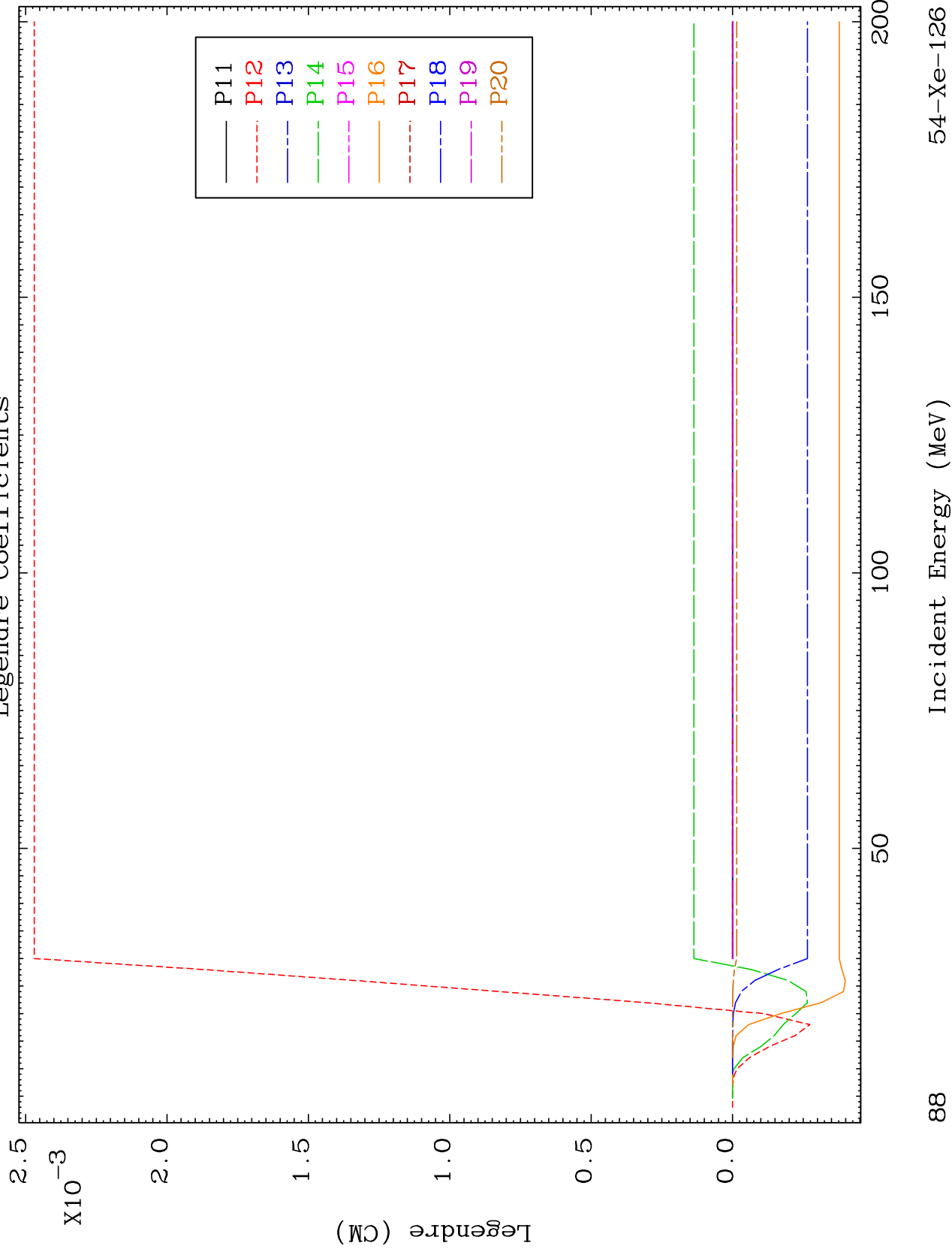




MAT 5431

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

54-Xe-126



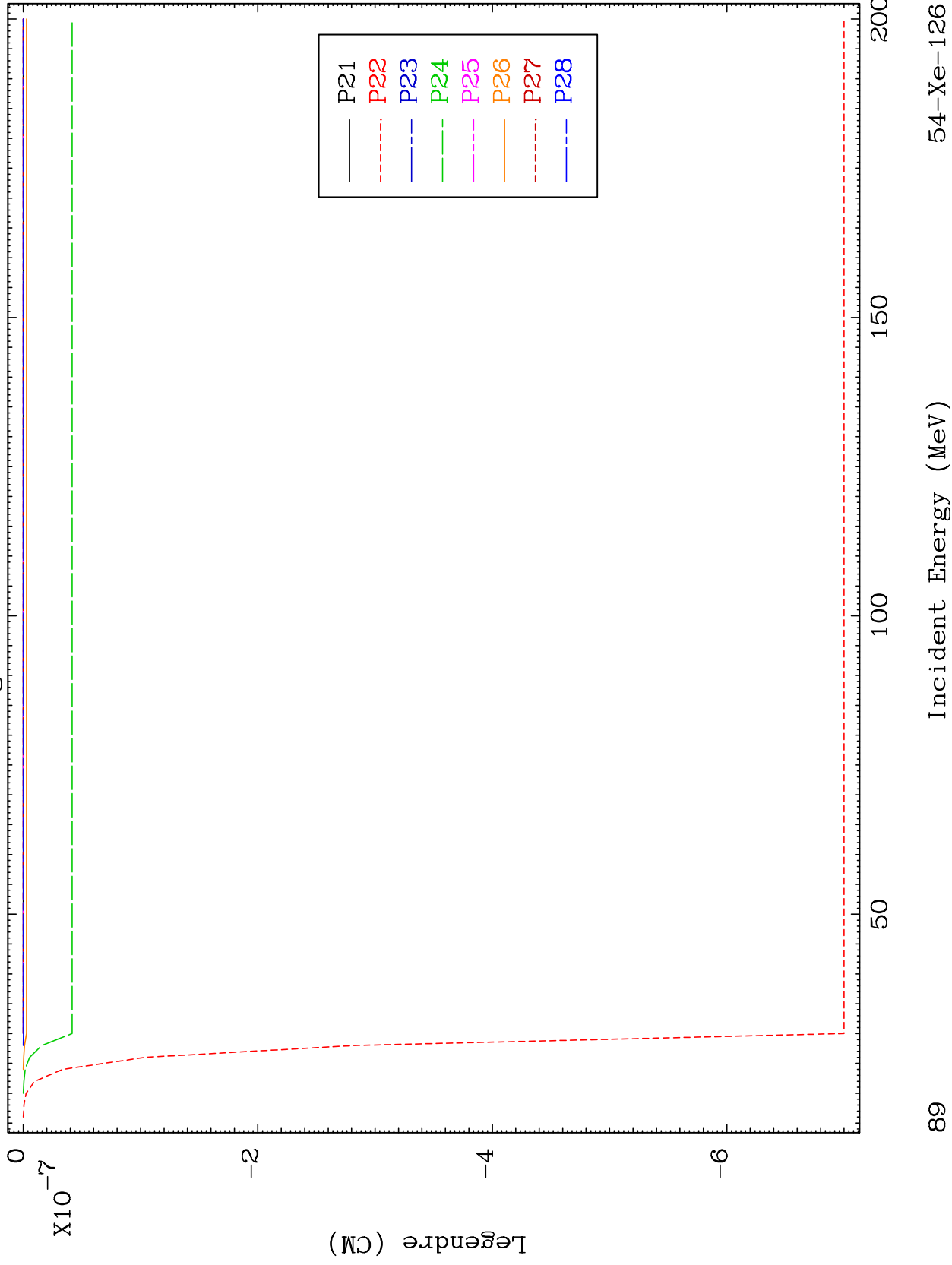
88

54-Xe-126

MAT 5431

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

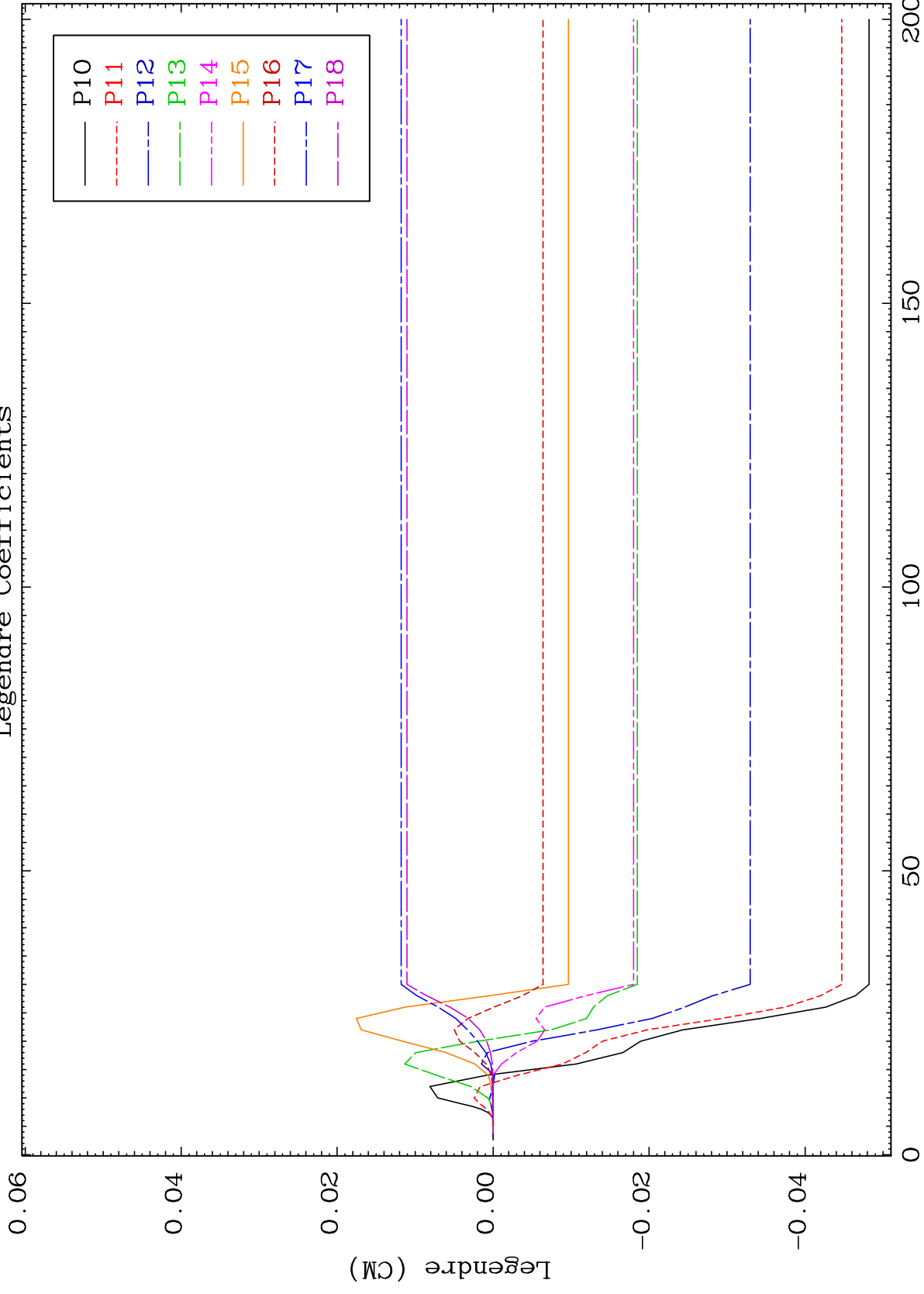
54-Xe-126



MAT 5431

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

54-Xe-126



91

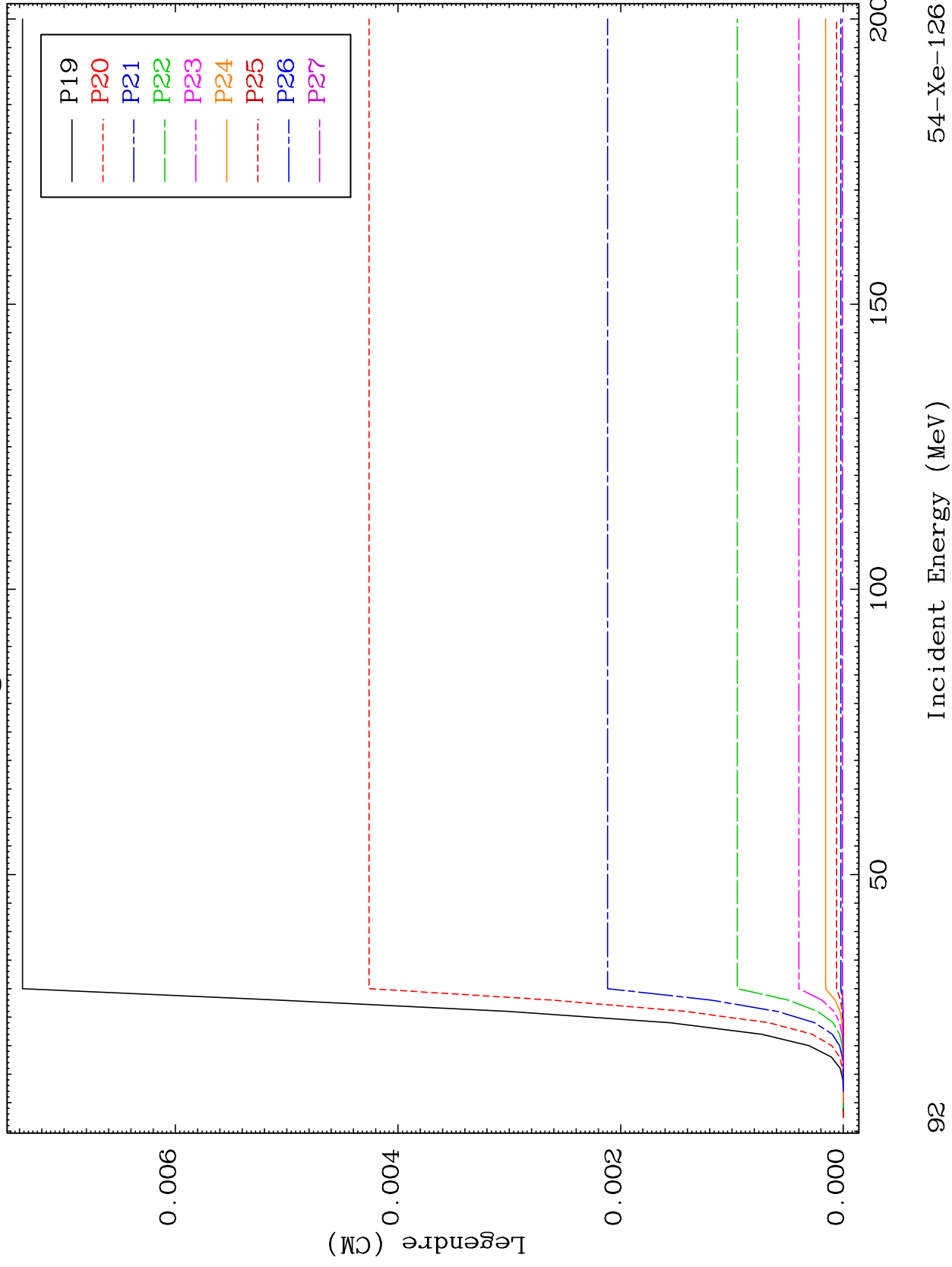
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

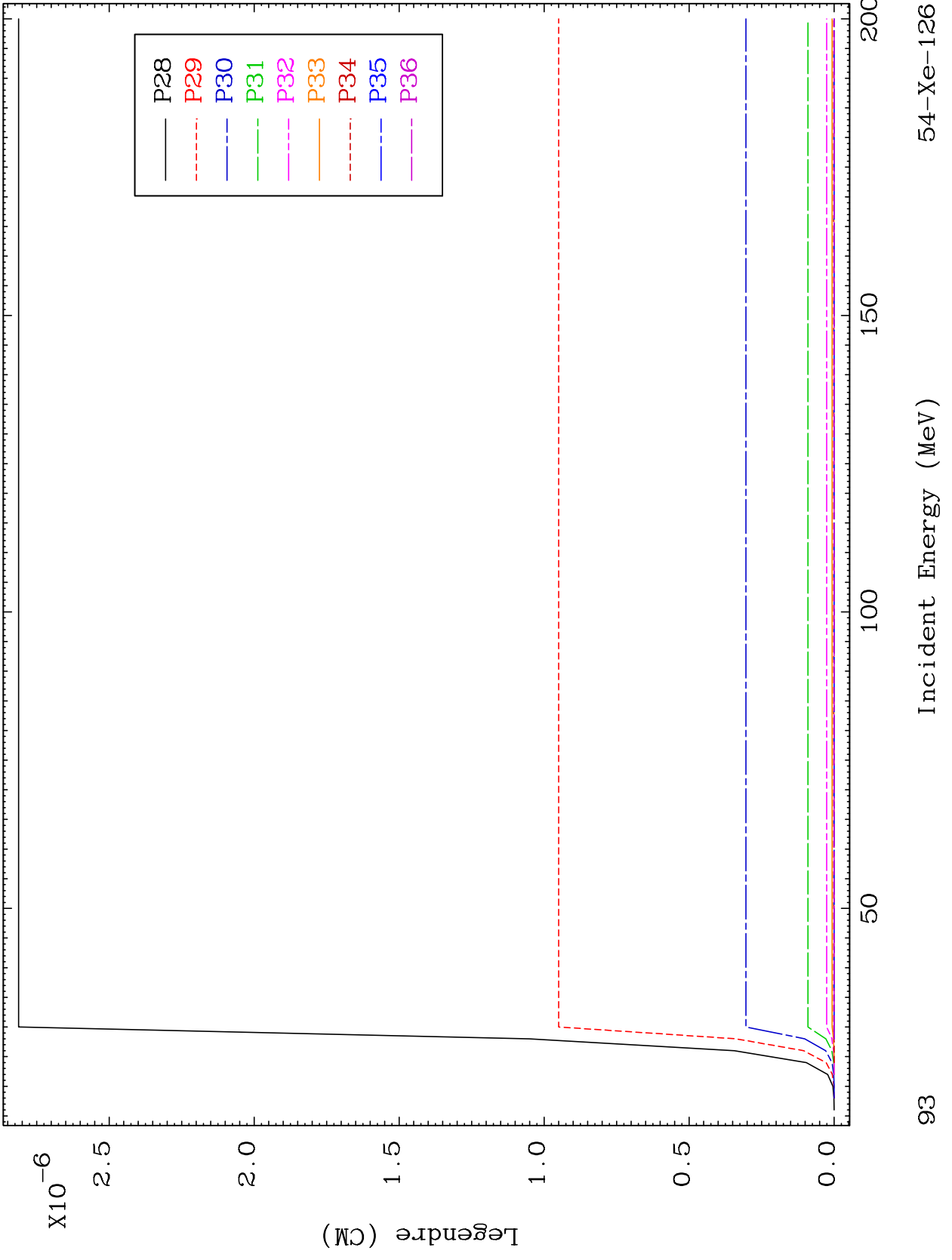
Incident Energy (MeV)

92

MAT 5431

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

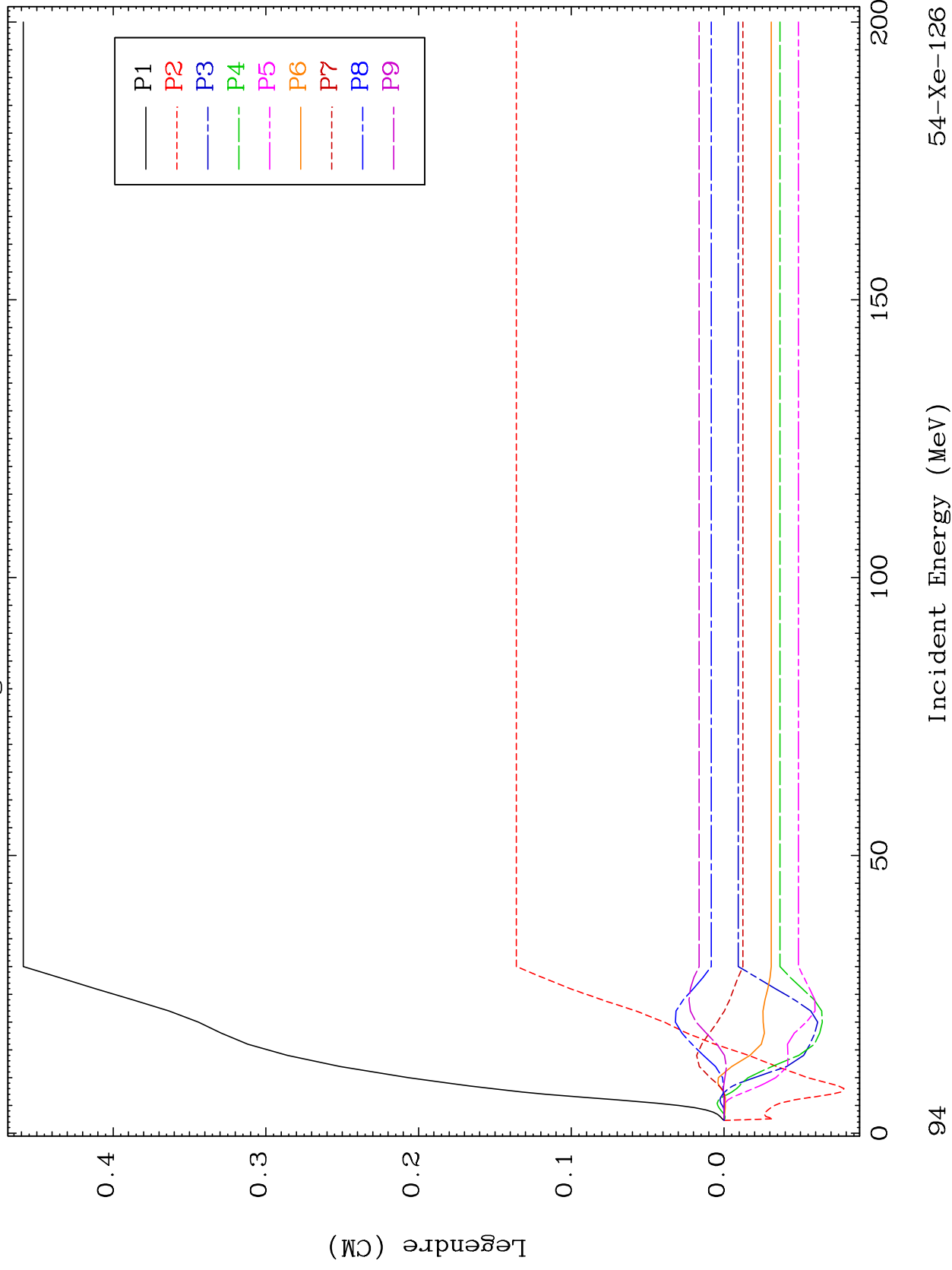
54-Xe-126



MAT 5431

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

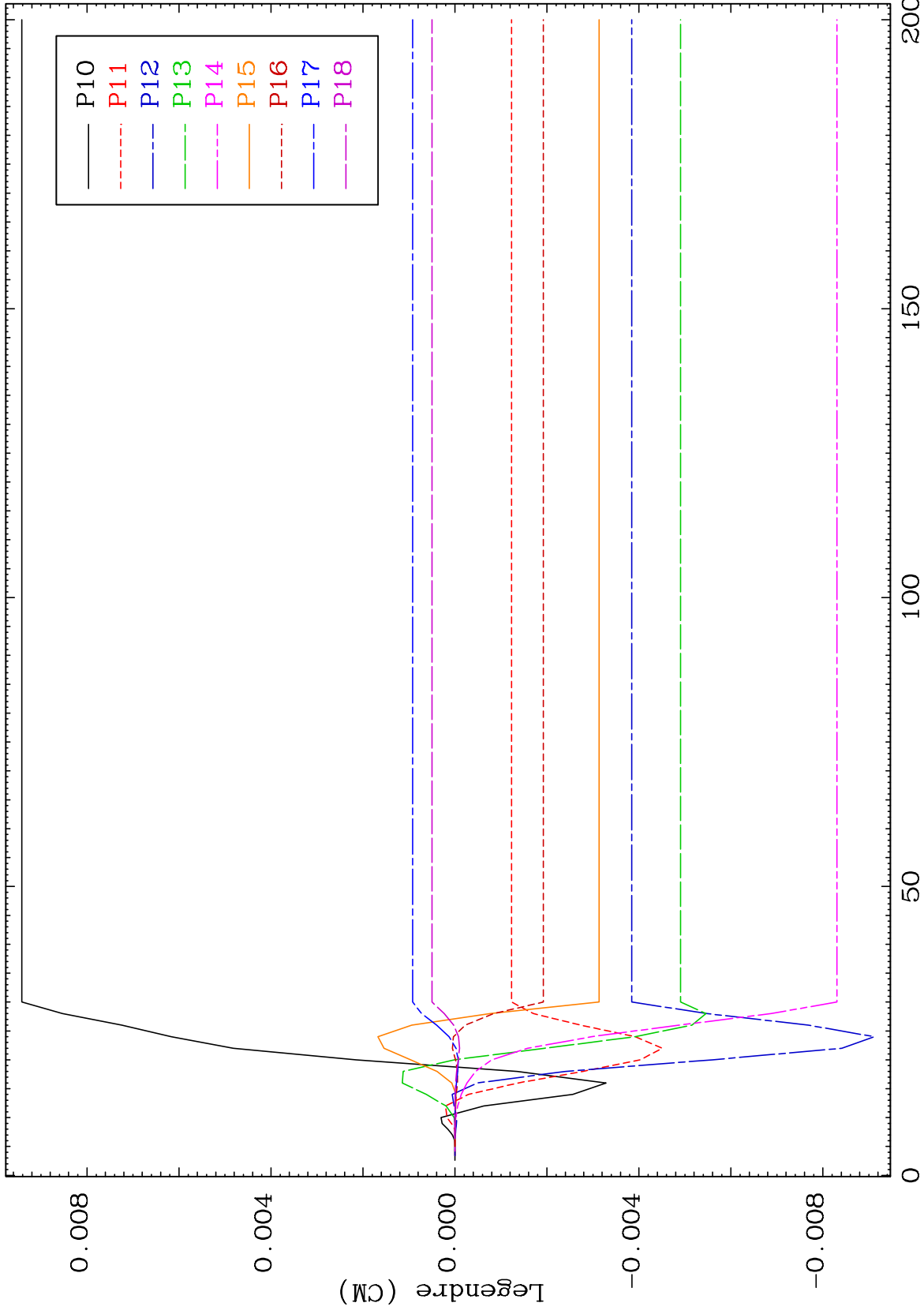
54-Xe-126



MAT 5431

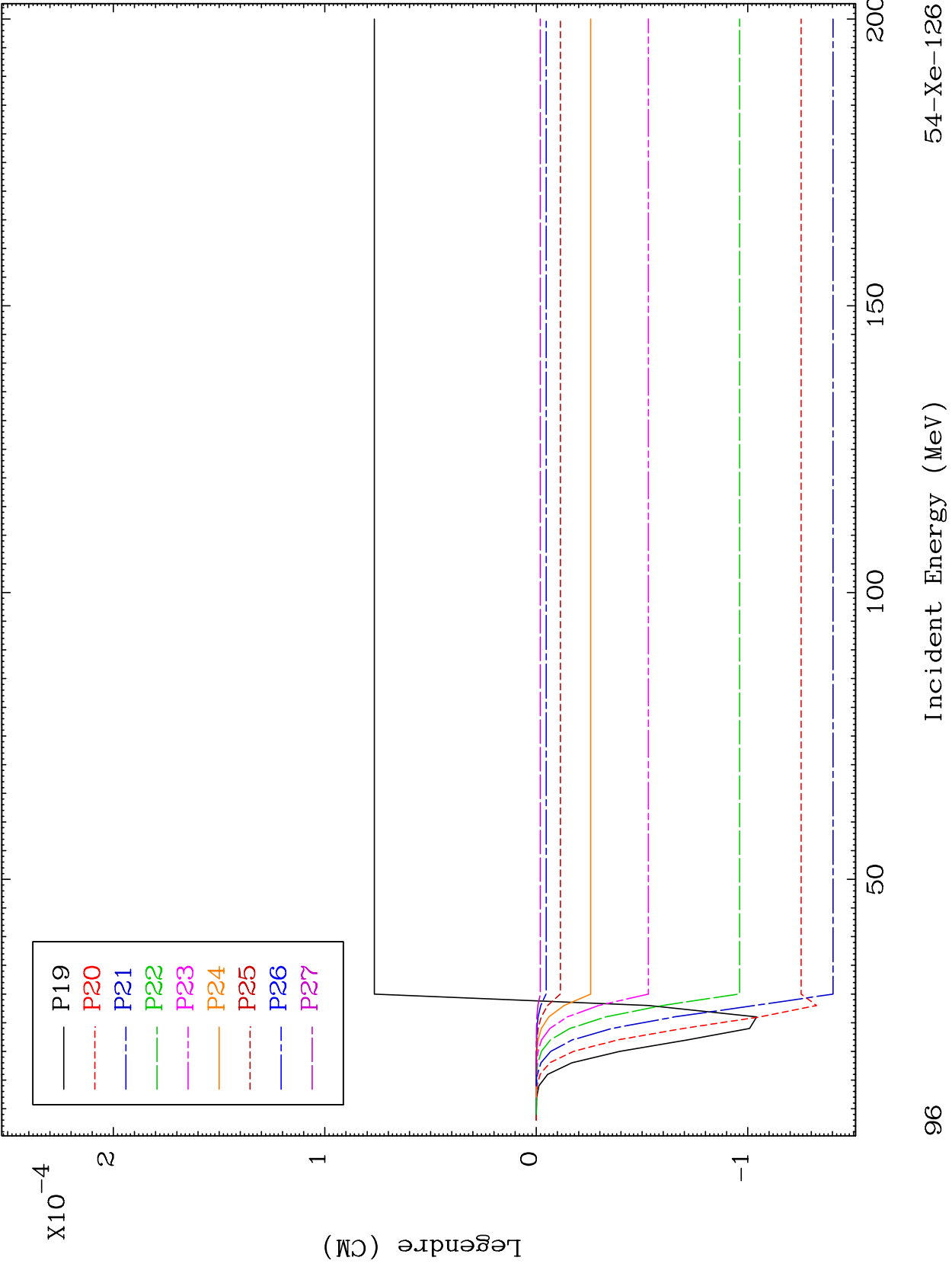
MT= 71 (n,n') Level
Legendre Coefficients

54-Xe-126



95

54-Xe-126

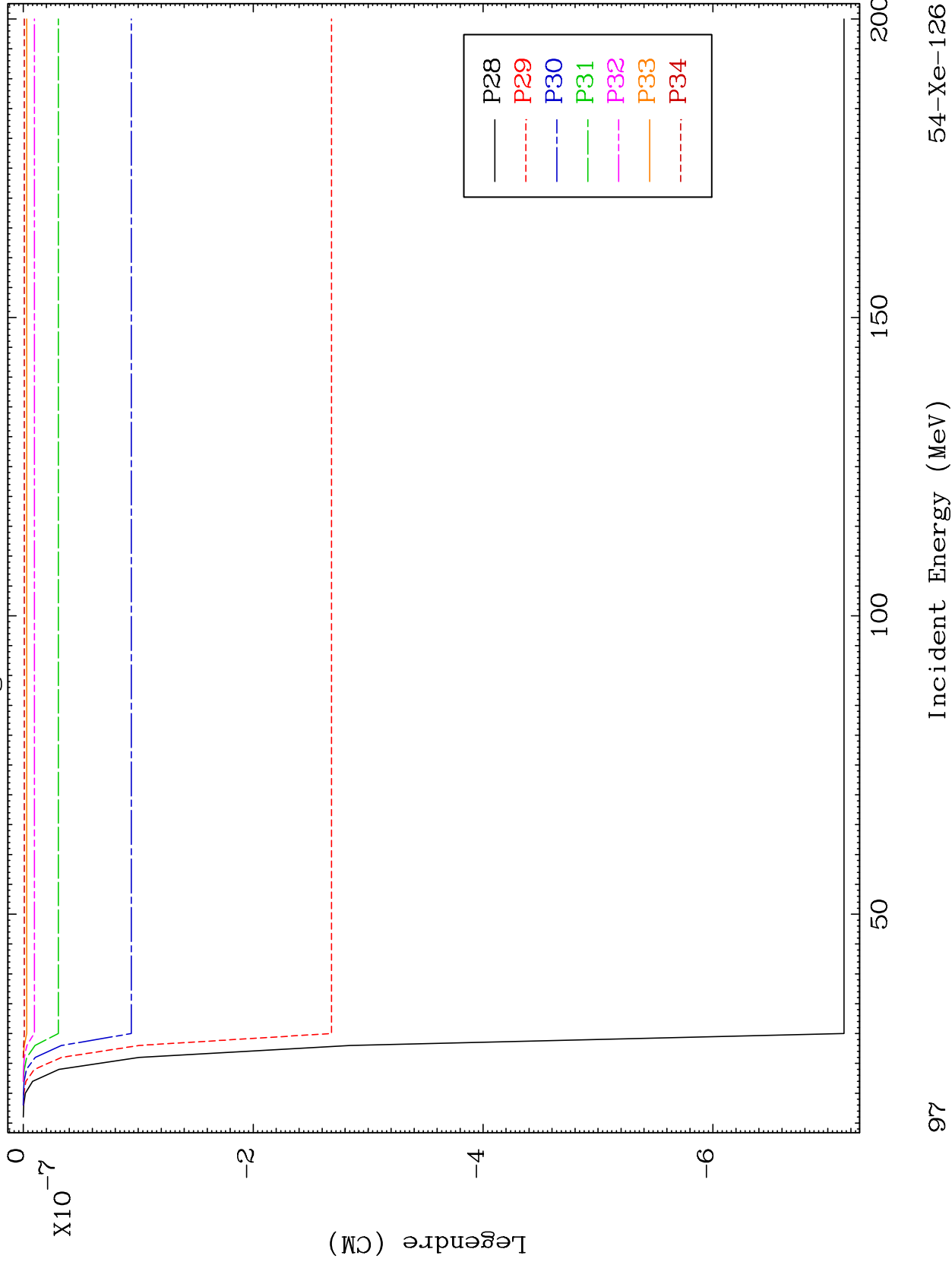


MAT 5431

MT= 71 (n,n') Level

54-Xe-126

Legendre Coefficients



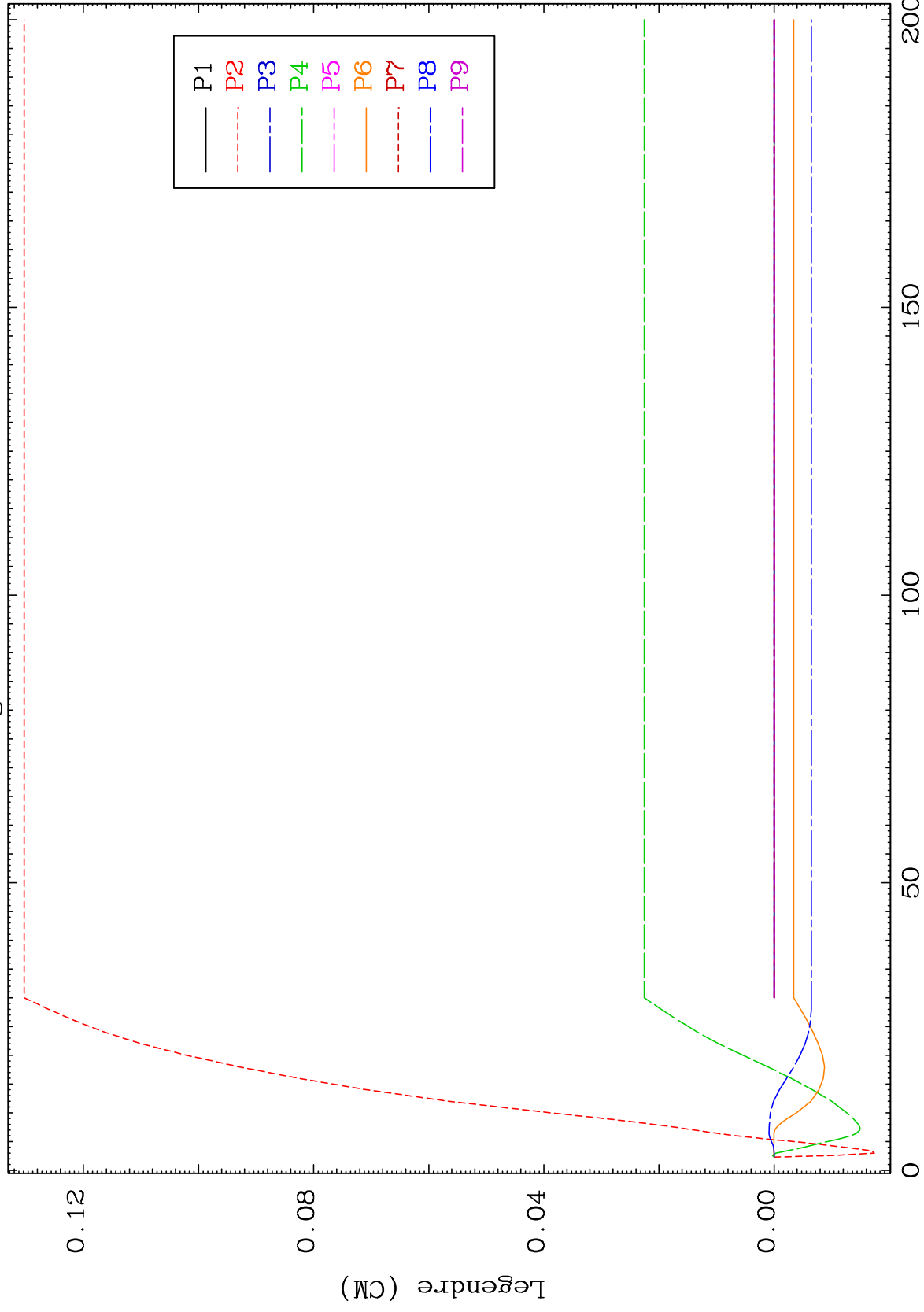
97

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

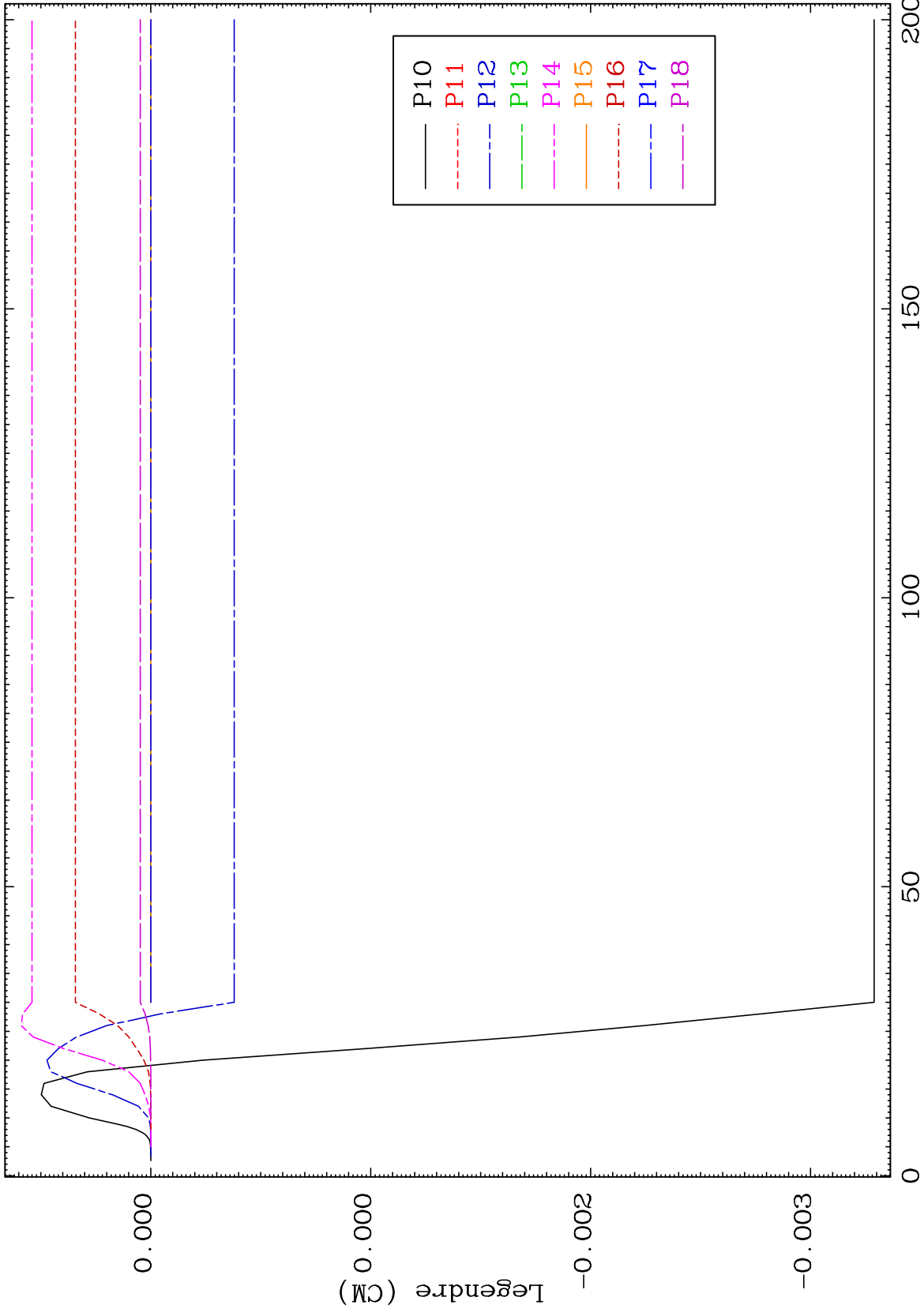
Incident Energy (MeV)

98

MAT 5431

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

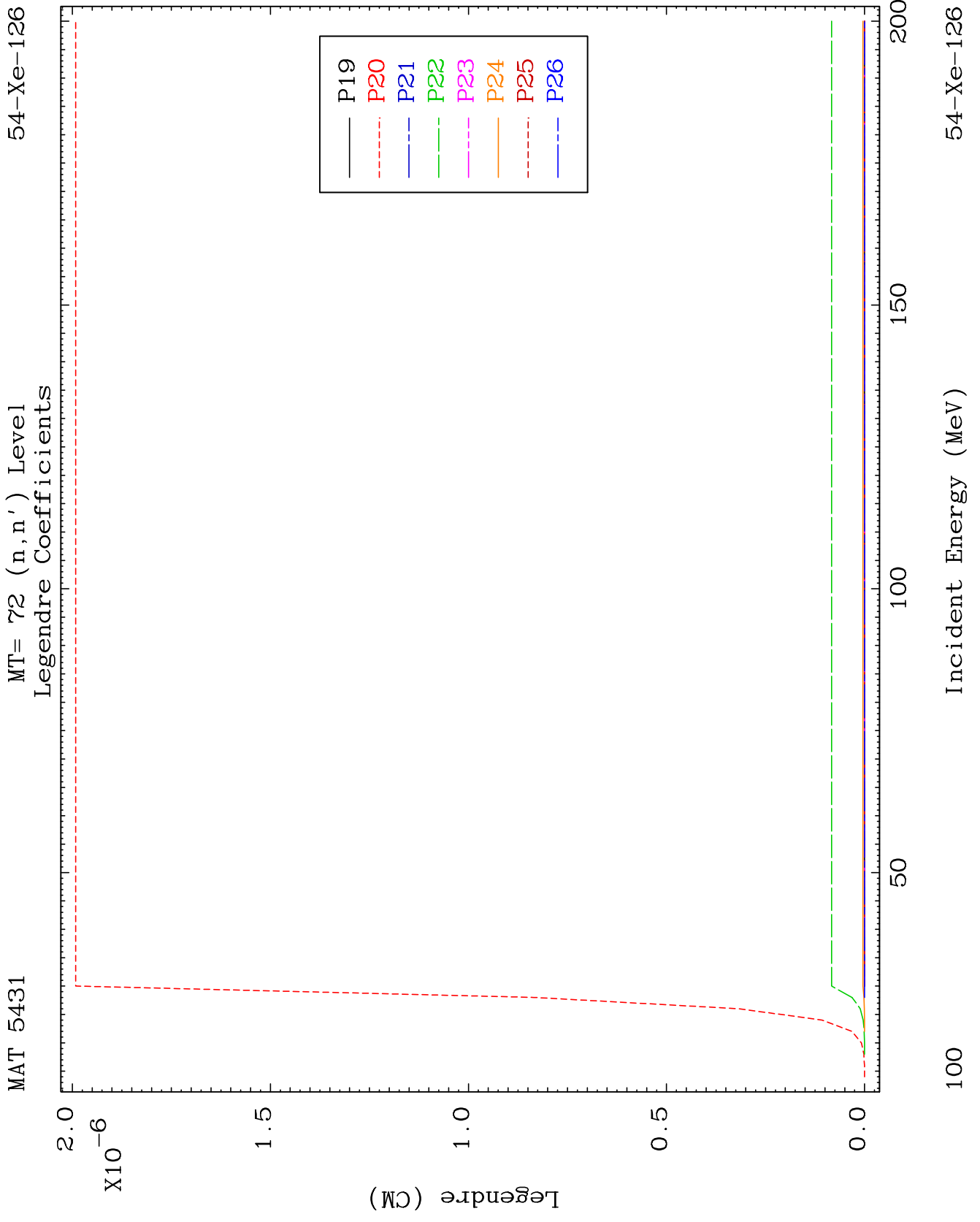
54-Xe-126



99

Incident Energy (MeV)

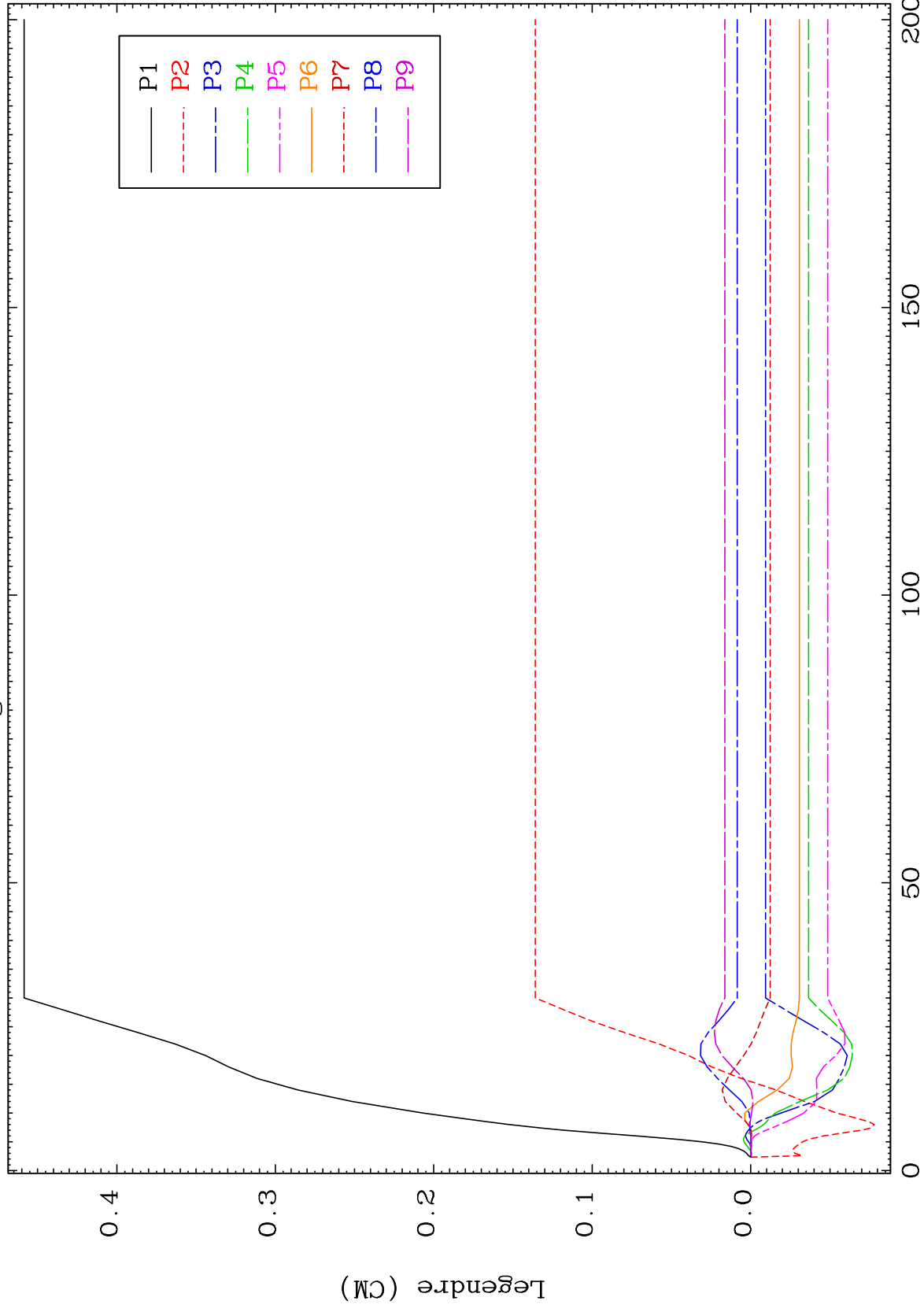
54-Xe-126



MAT 5431

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

54-Xe-126



101

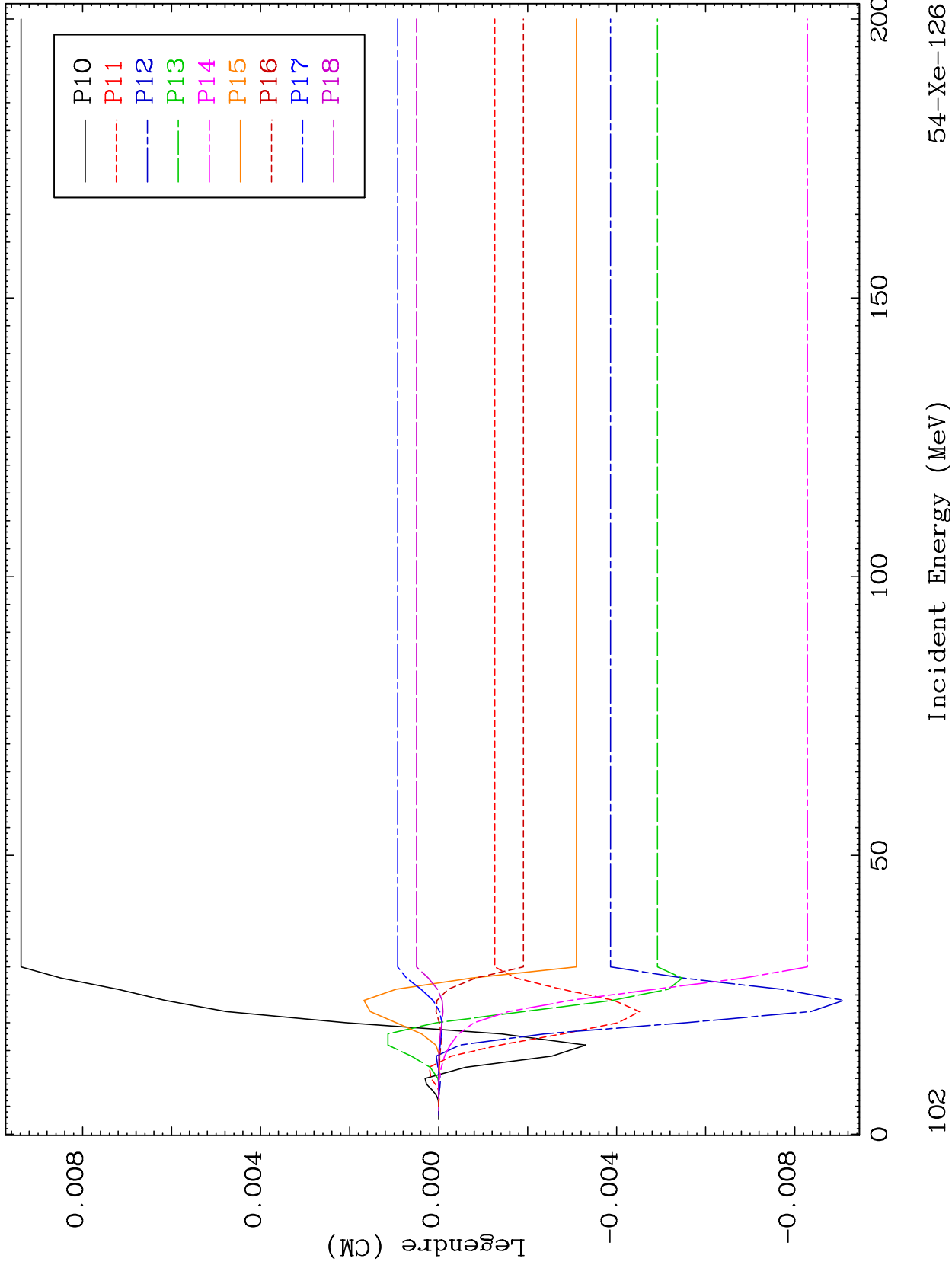
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

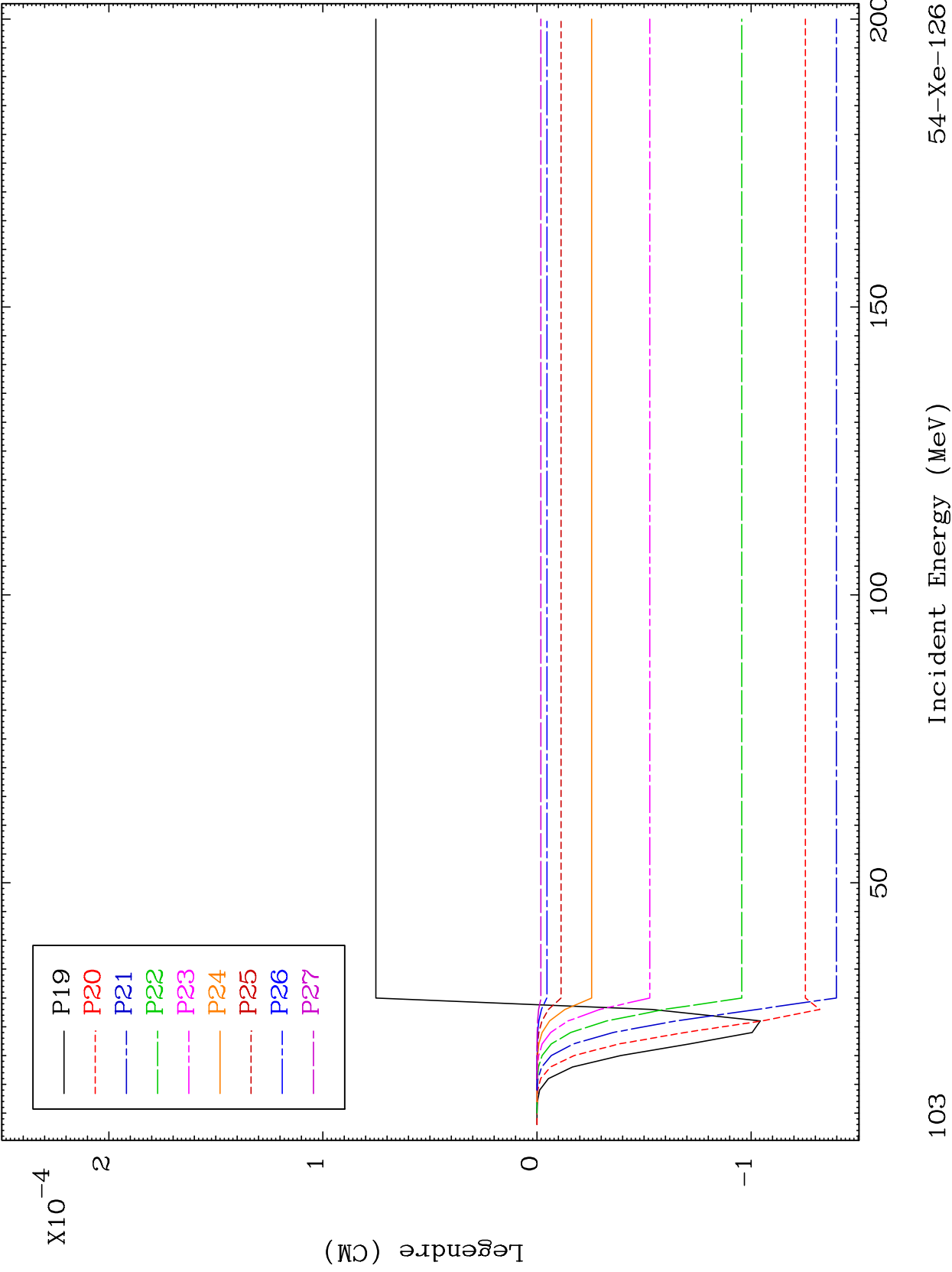
Incident Energy (MeV)

102

MAT 5431

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

54-Xe-126



103

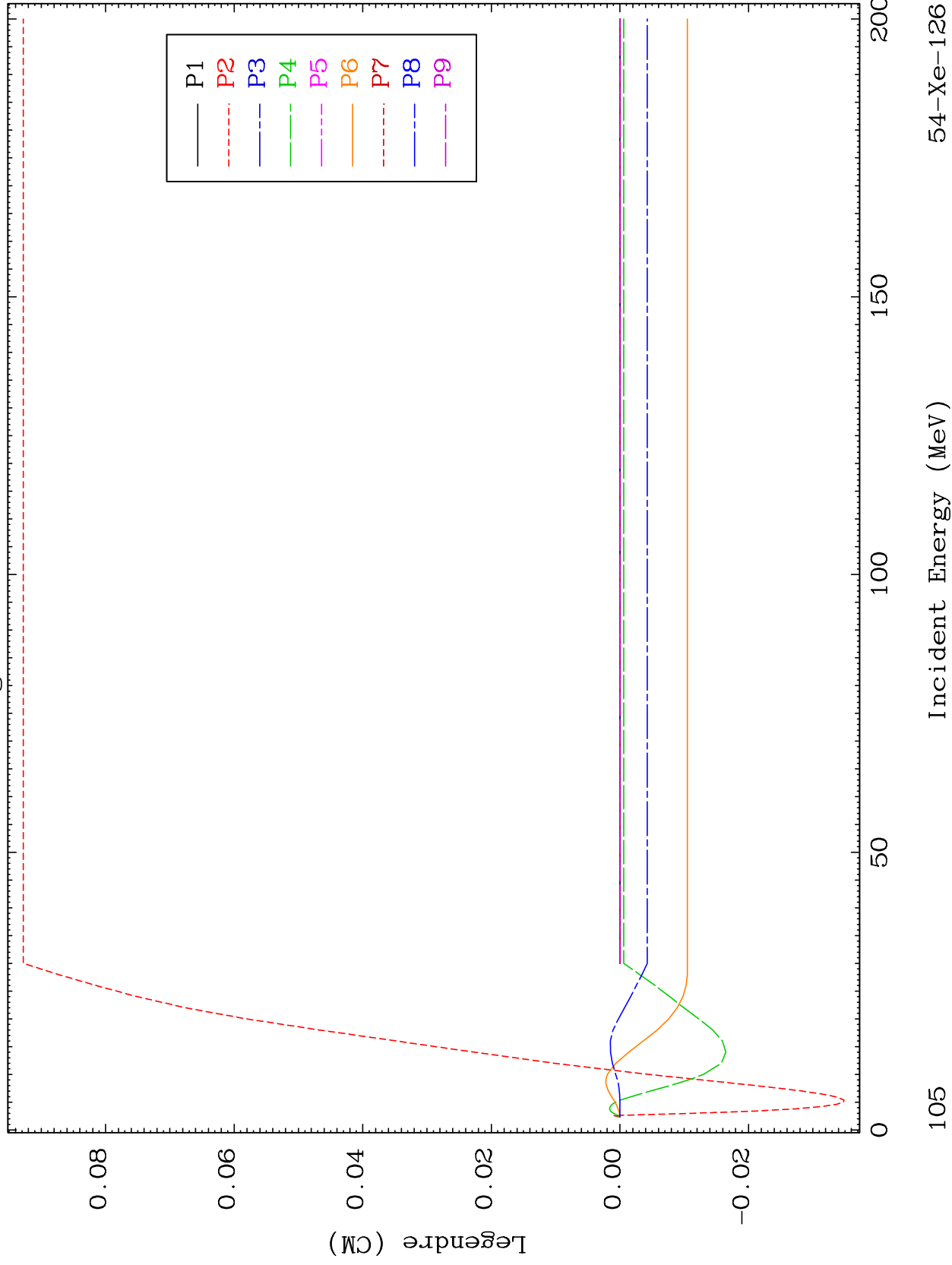
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

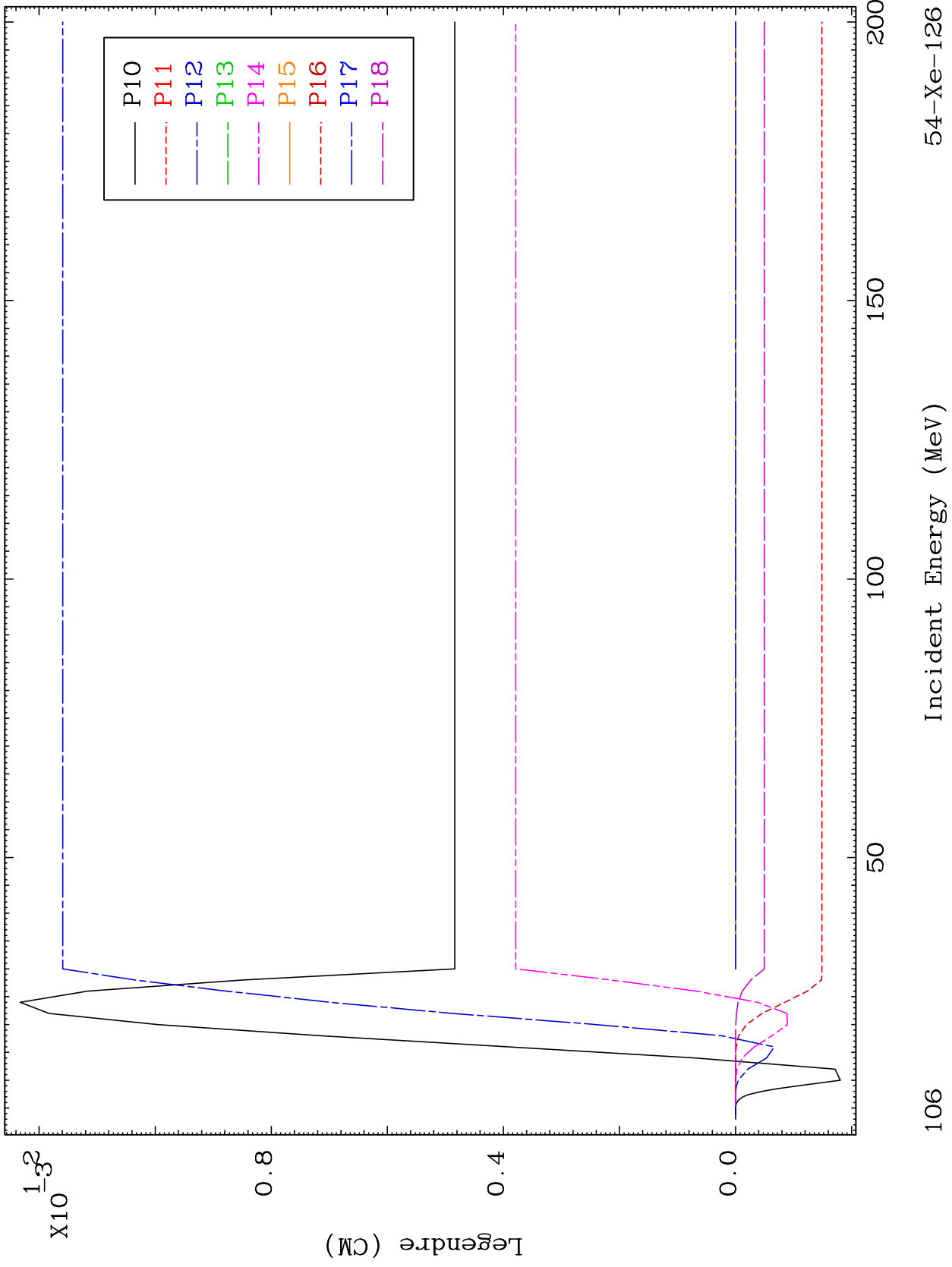
Incident Energy (MeV)

105

MAT 5431

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

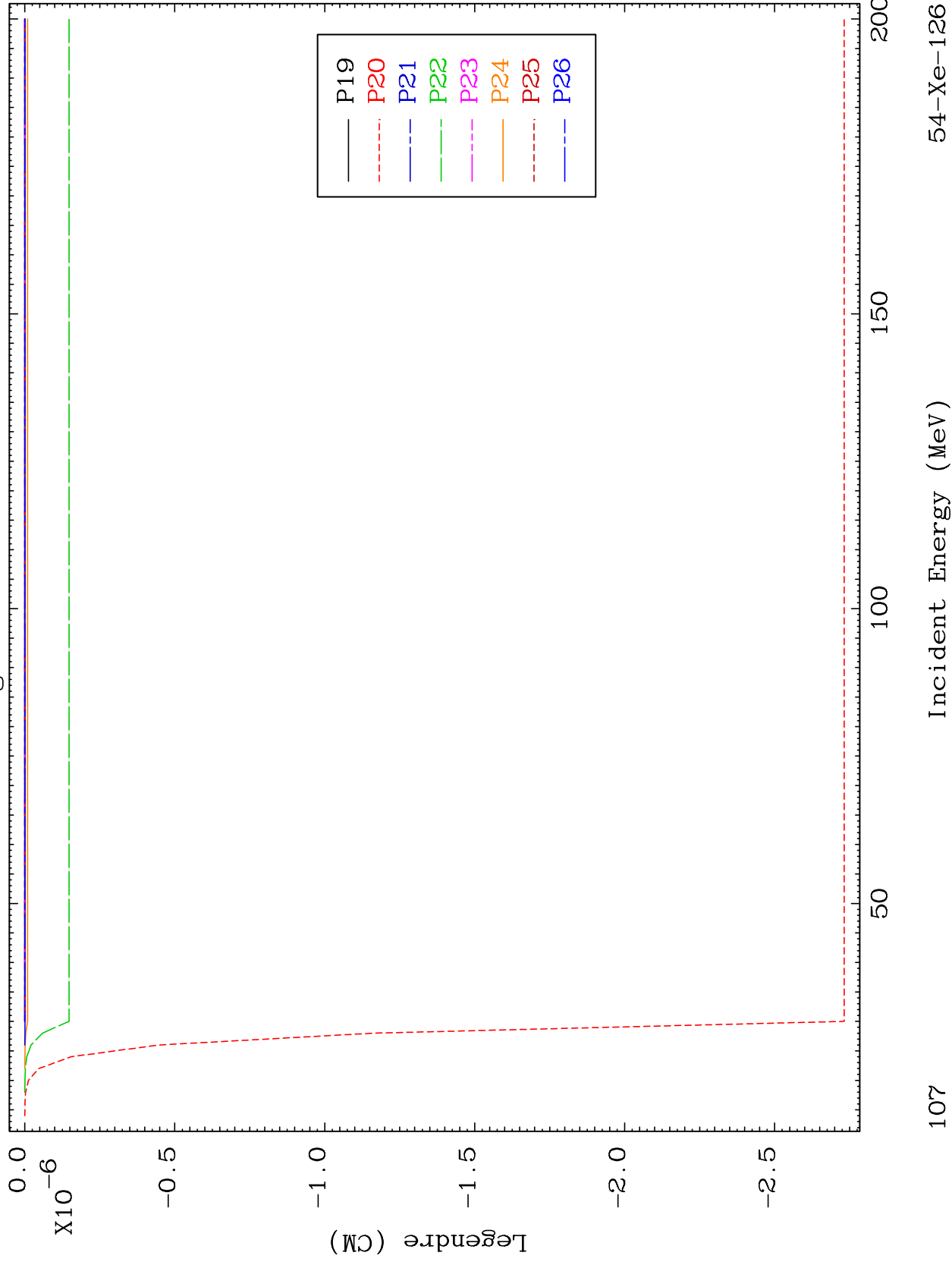
54-Xe-126



MAT 5431

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

54-Xe-126



107

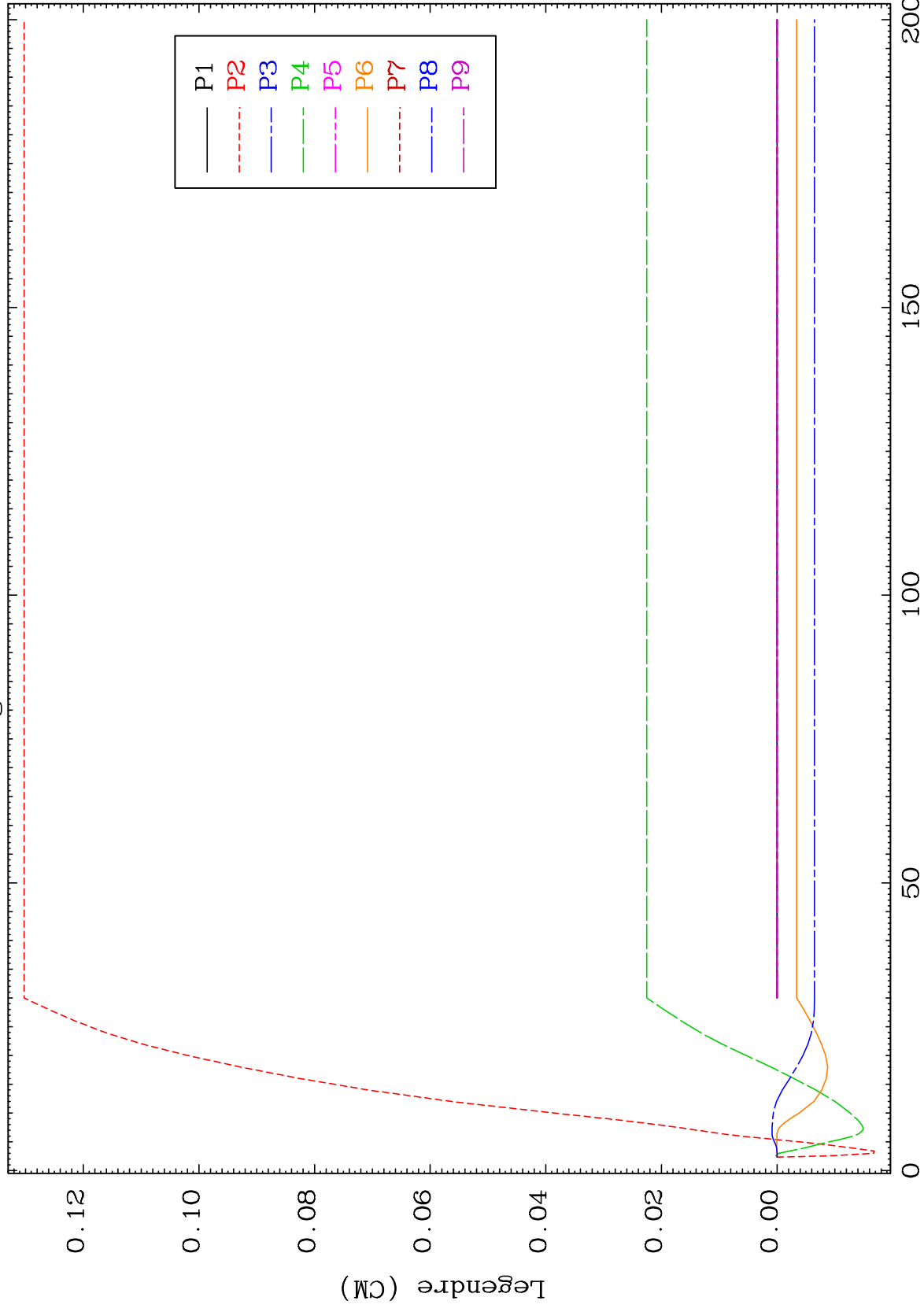
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

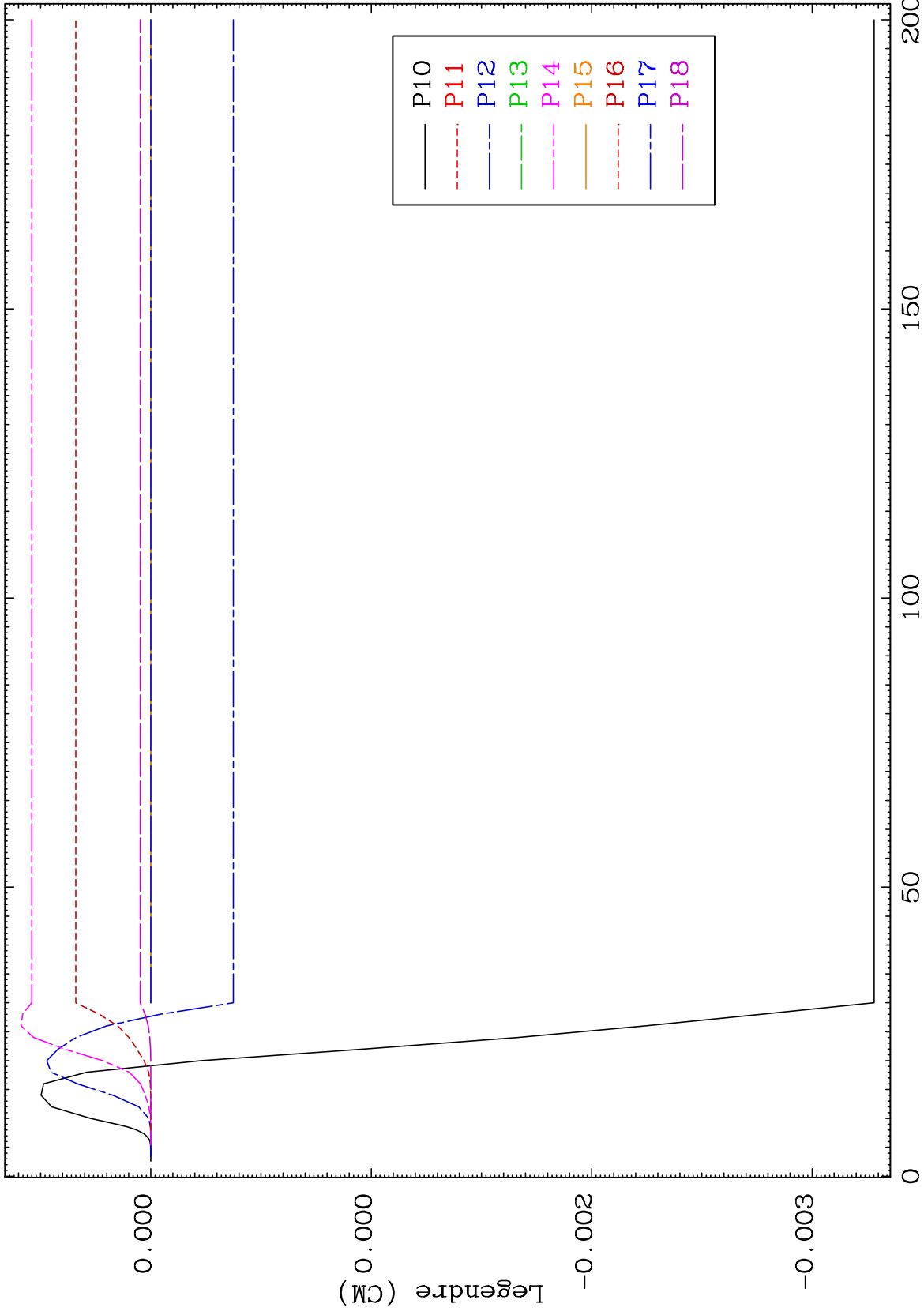
Incident Energy (MeV)

108

MAT 5431

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

54-Xe-126



109

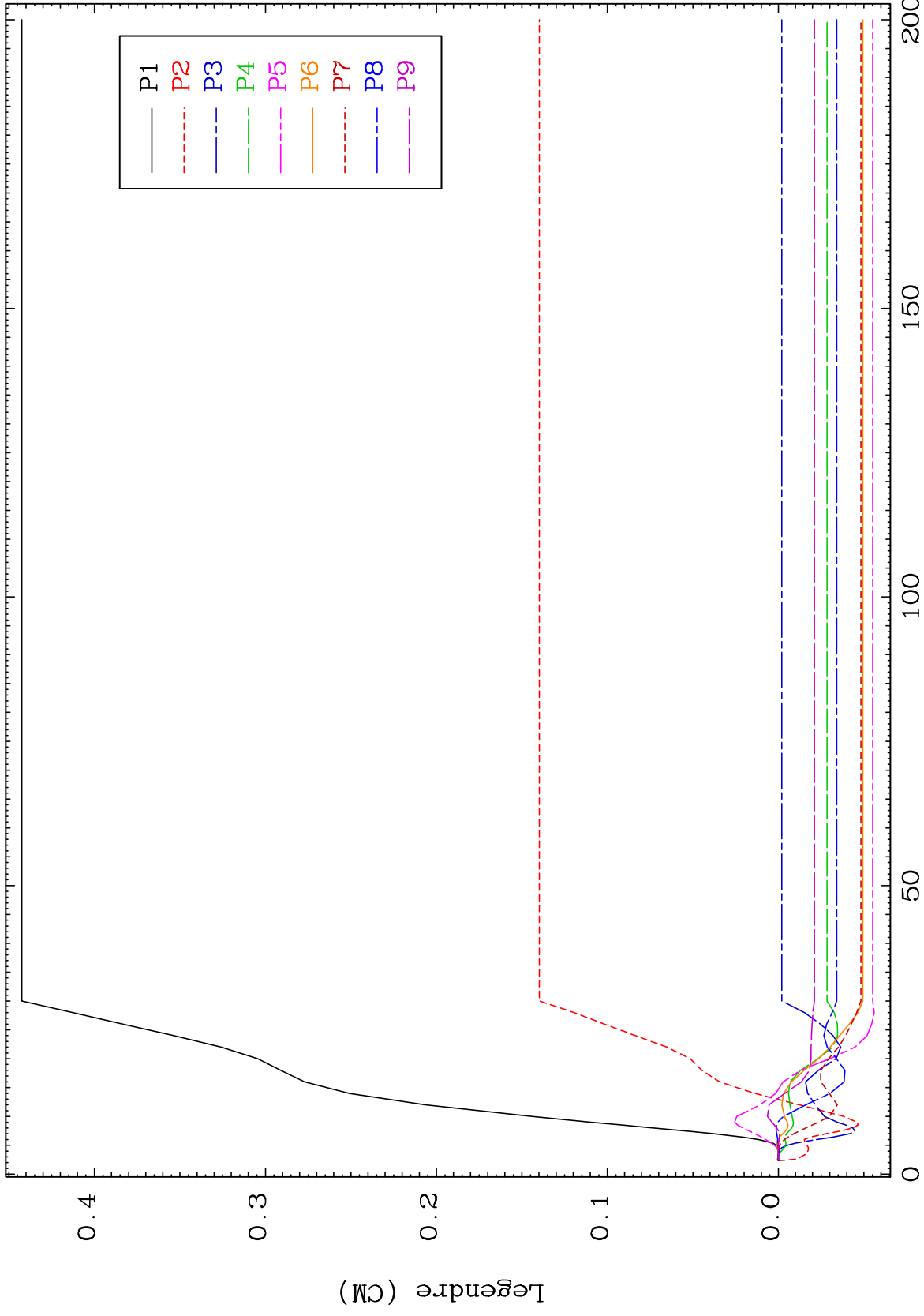
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



111

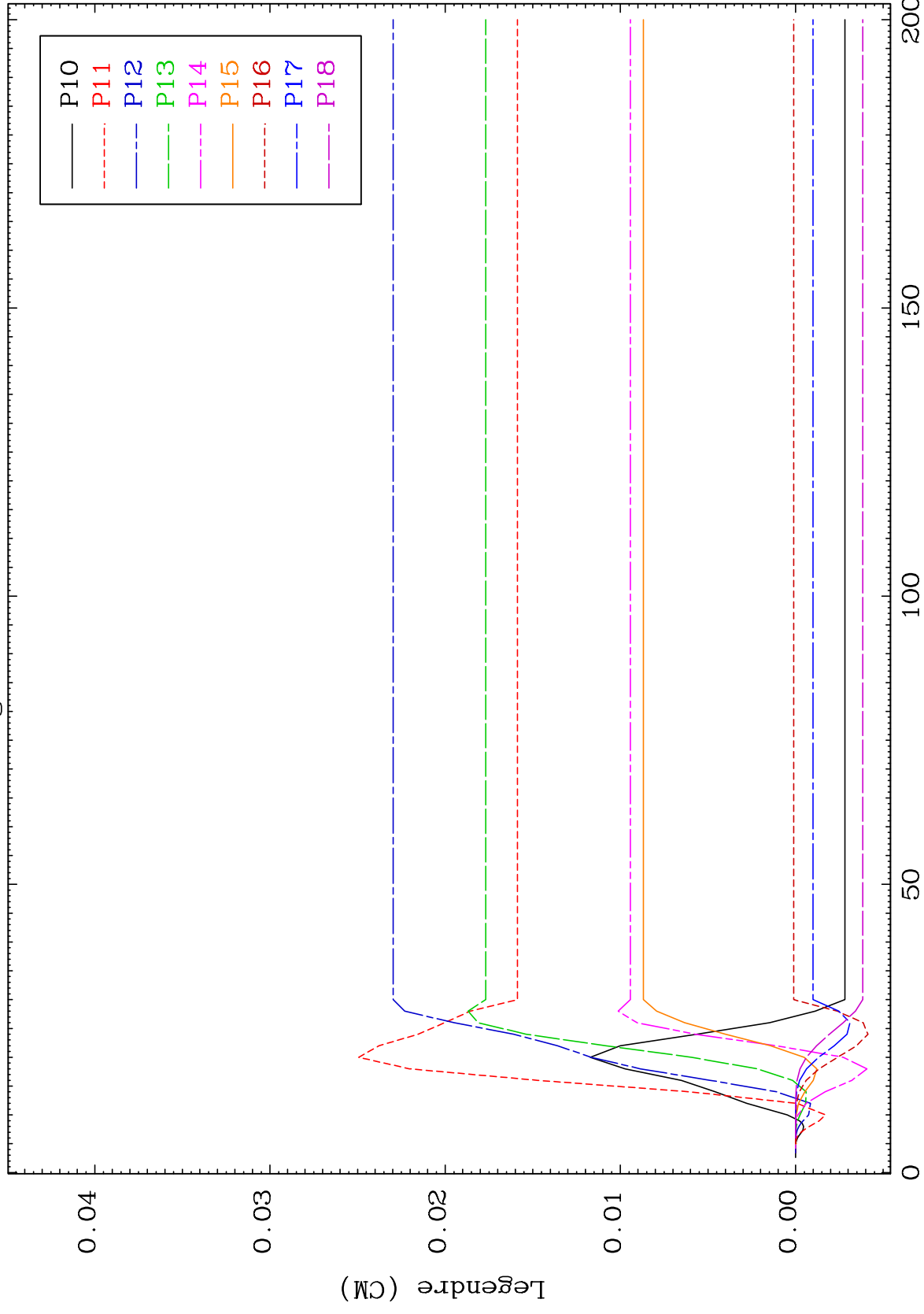
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



112

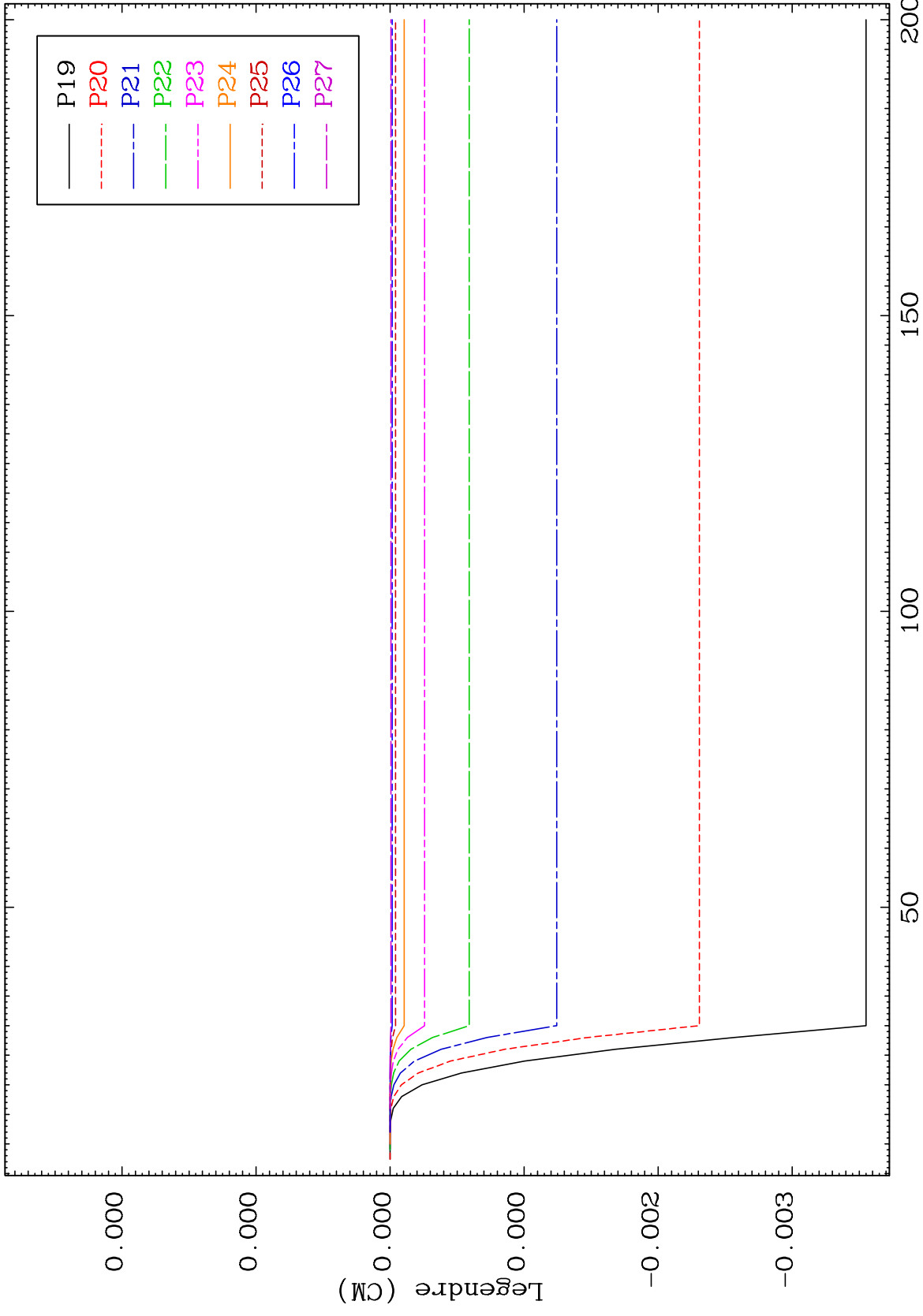
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

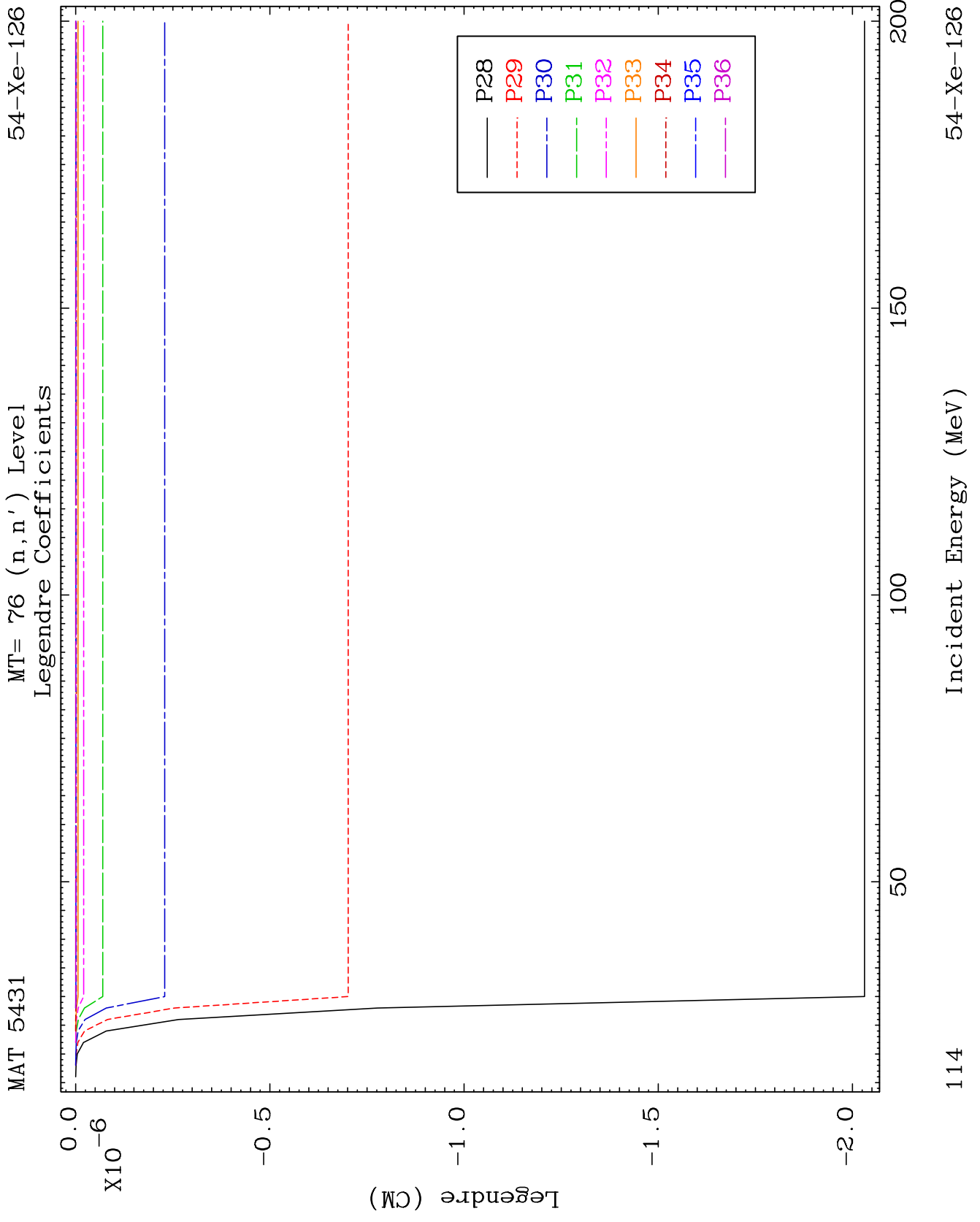
54-Xe-126



113

Incident Energy (MeV)

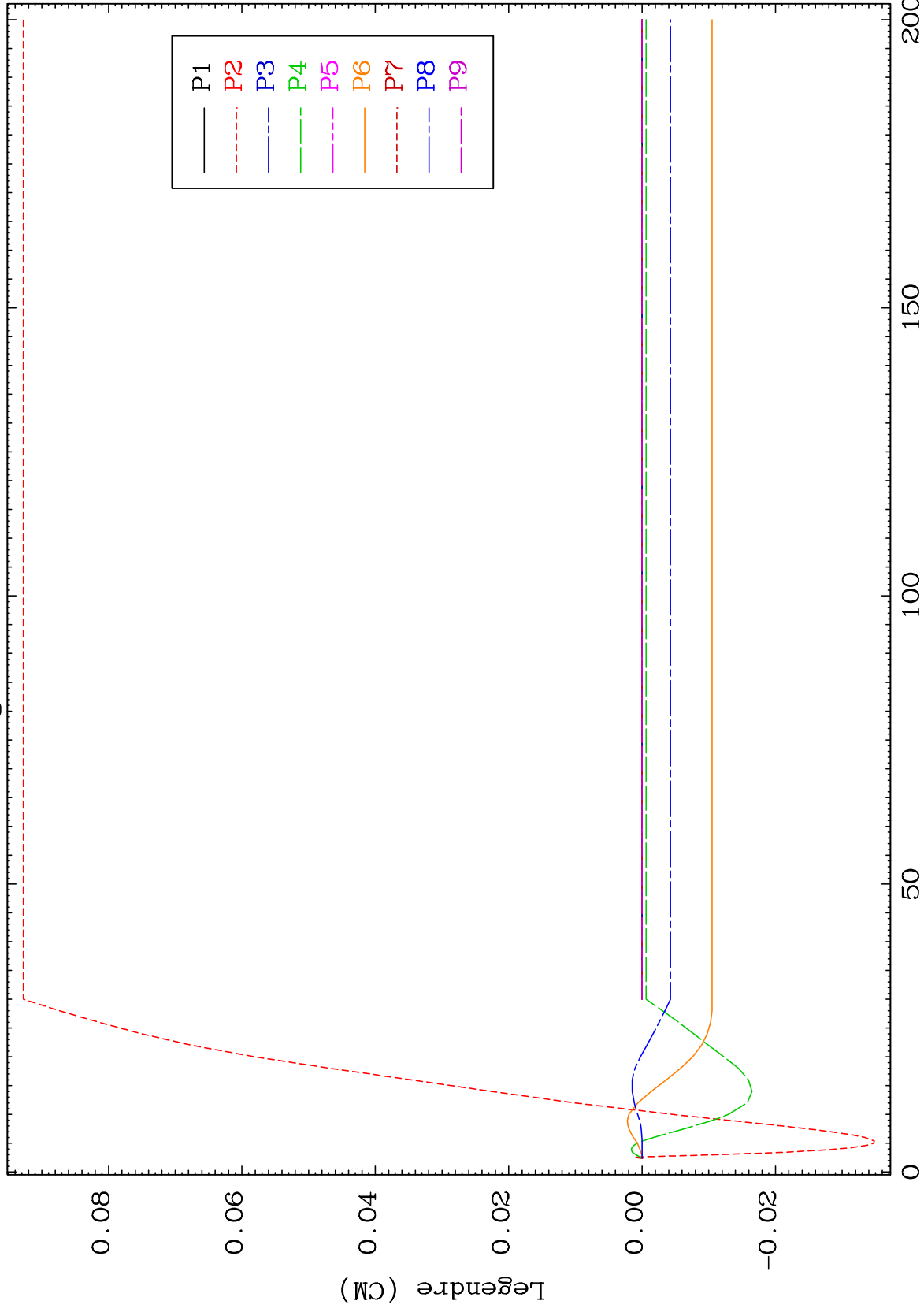
54-Xe-126



MAT 5431

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

54-Xe-126



54-Xe-126

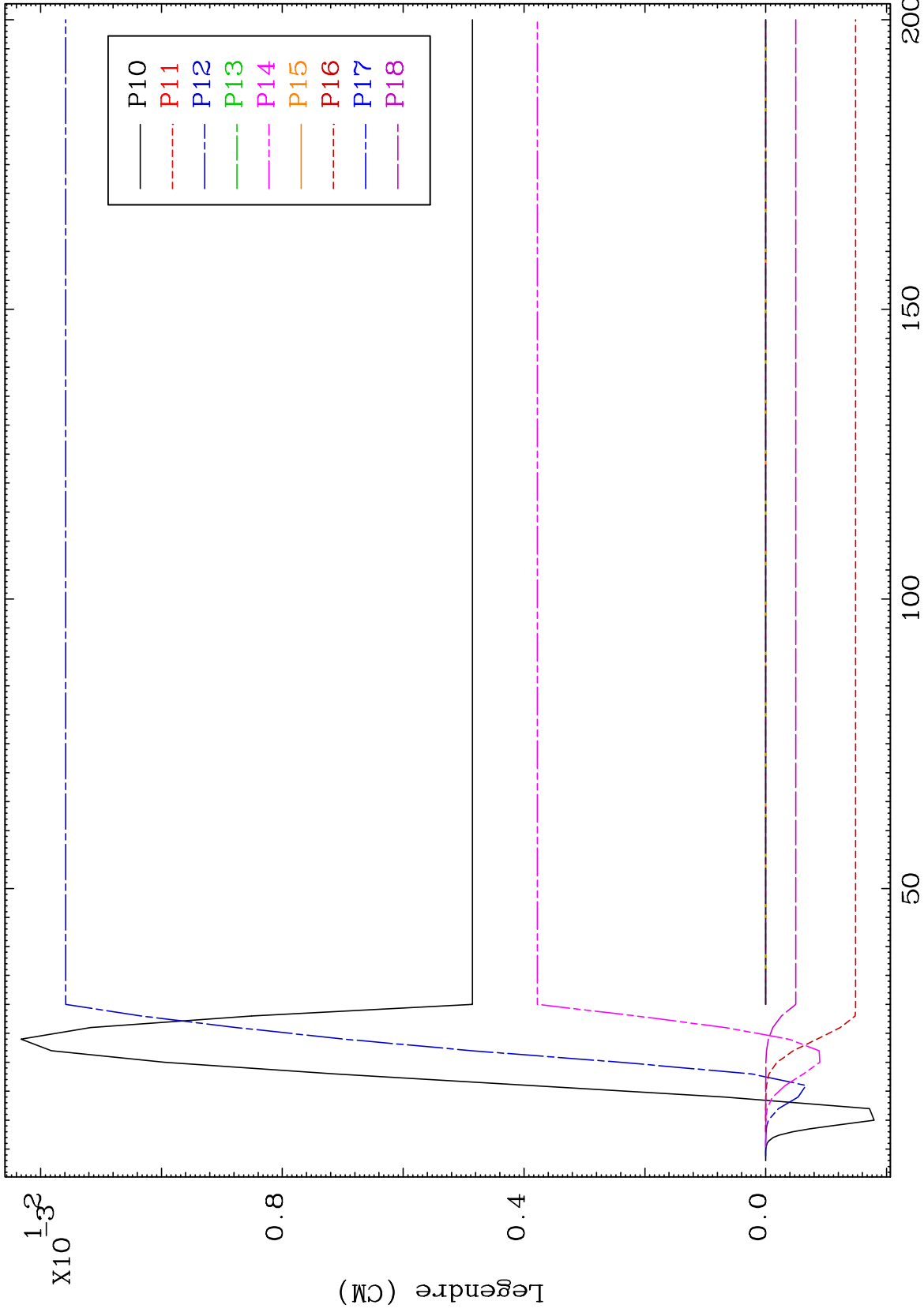
Incident Energy (MeV)

115

MAT 5431

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

54-Xe-126



116

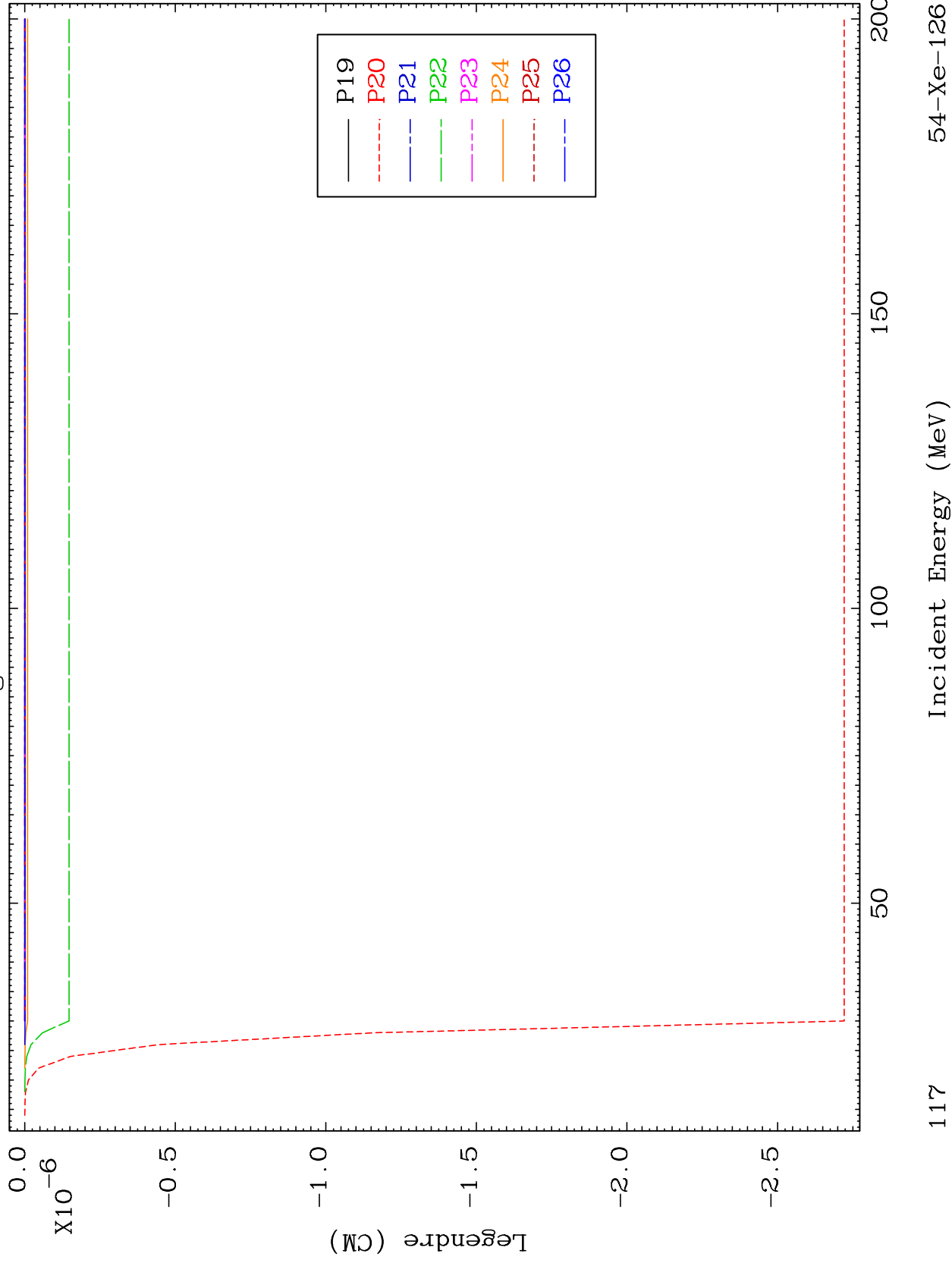
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



117

Incident Energy (MeV)

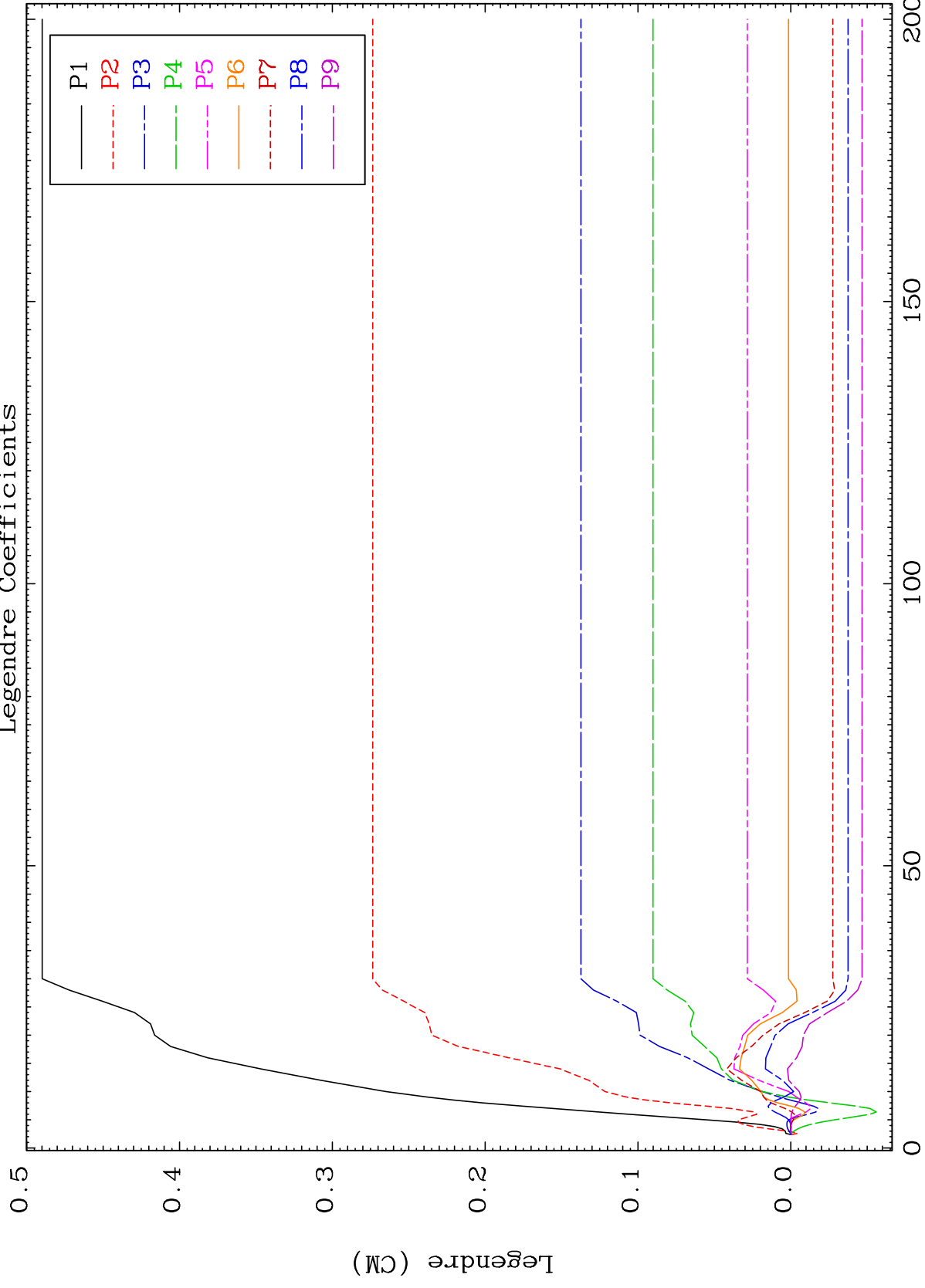
54-Xe-126

MAT 5431

MT= 78 (n,n') Level

54-Xe-126

Legendre Coefficients



118

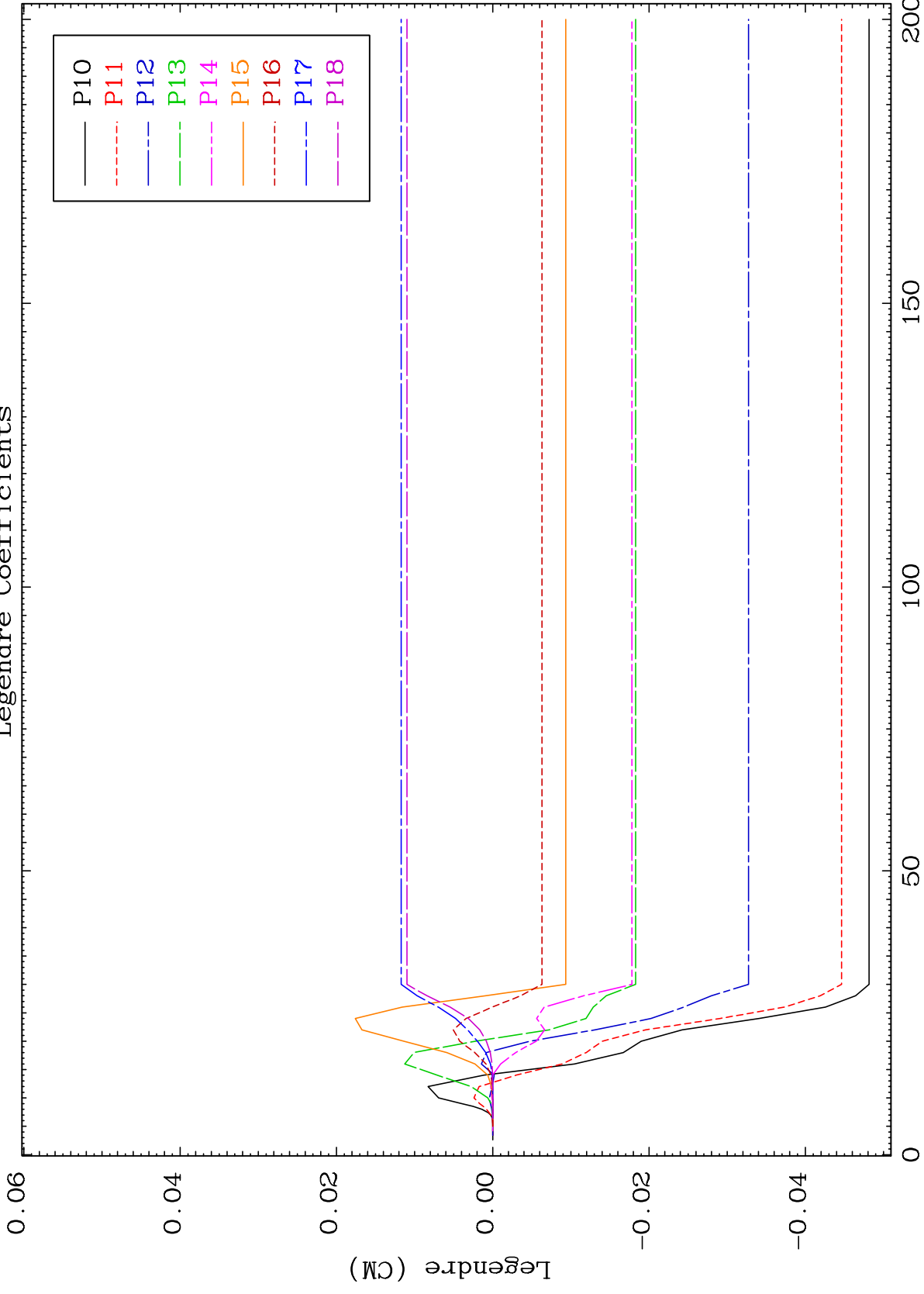
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



119

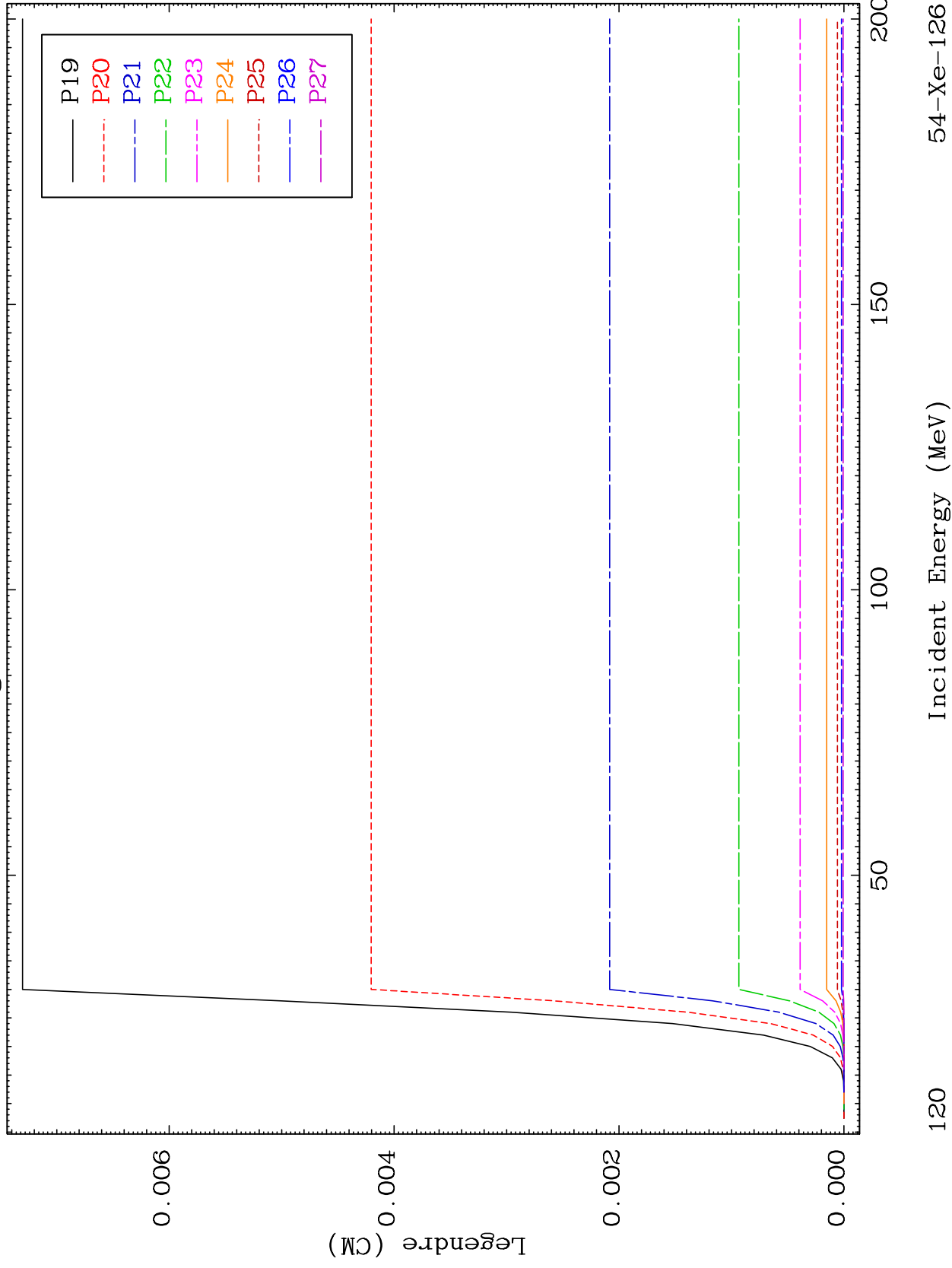
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

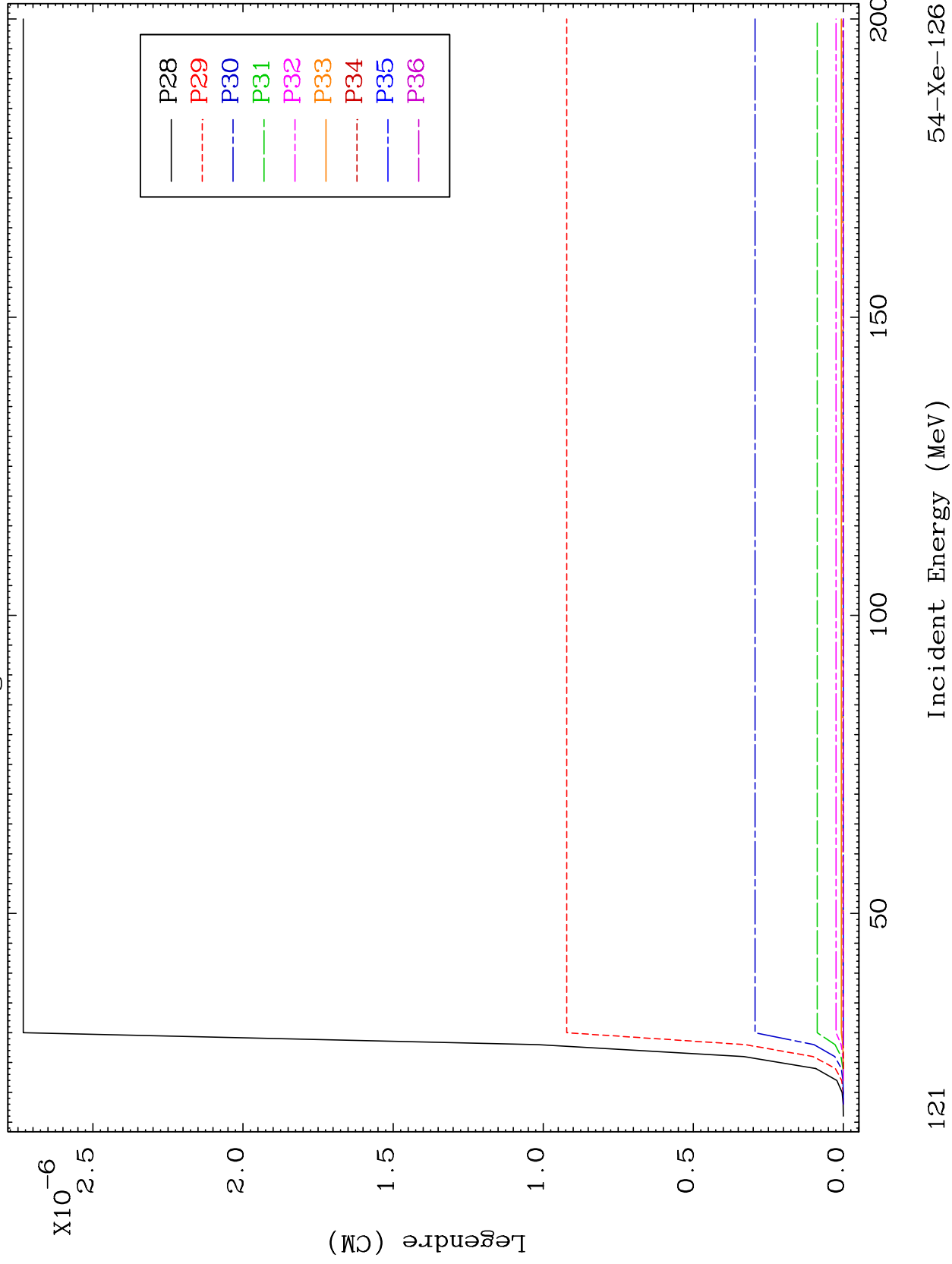
Incident Energy (MeV)

120

MAT 5431

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

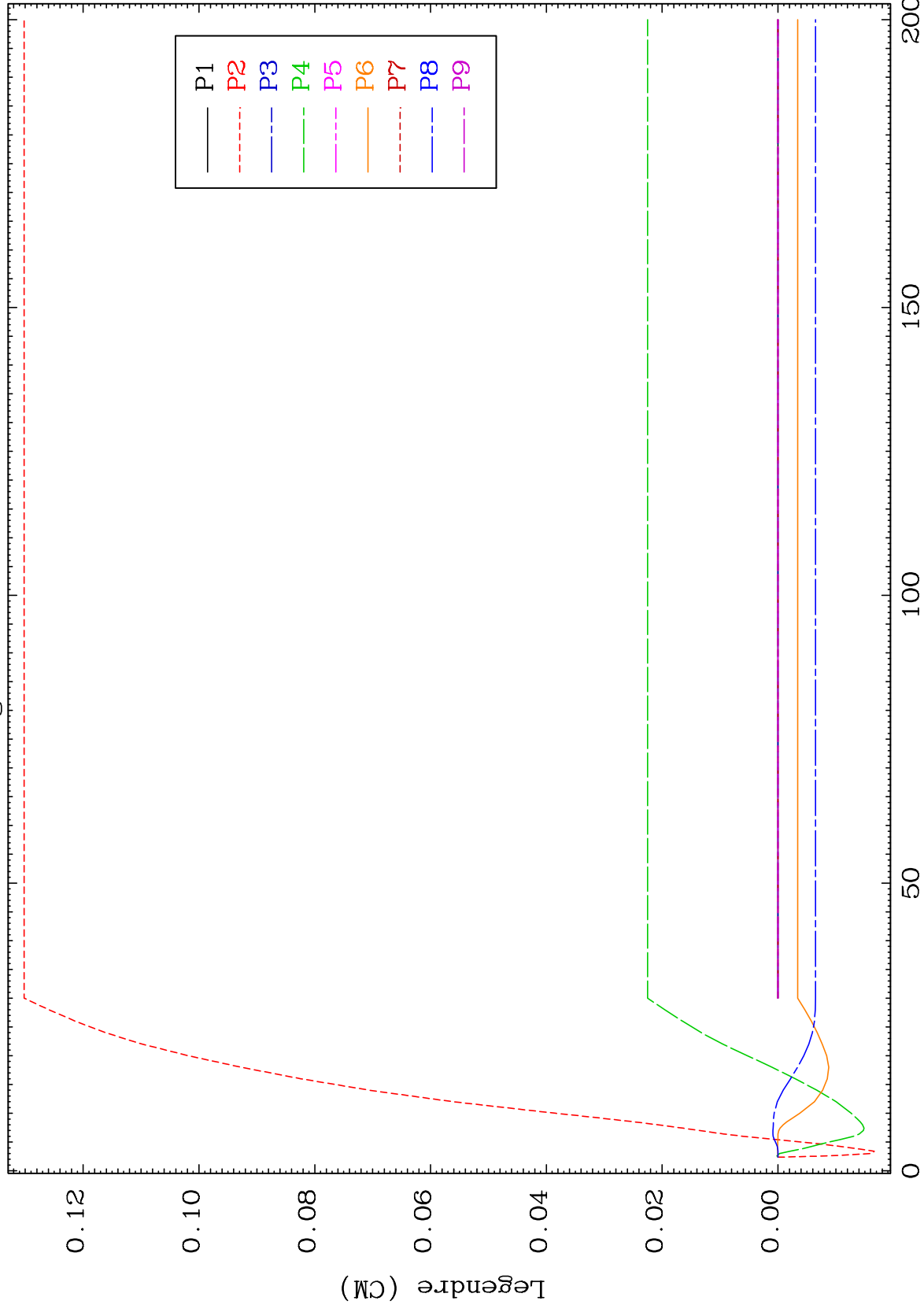
54-Xe-126



MAT 5431

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

54-Xe-126



54-Xe-126

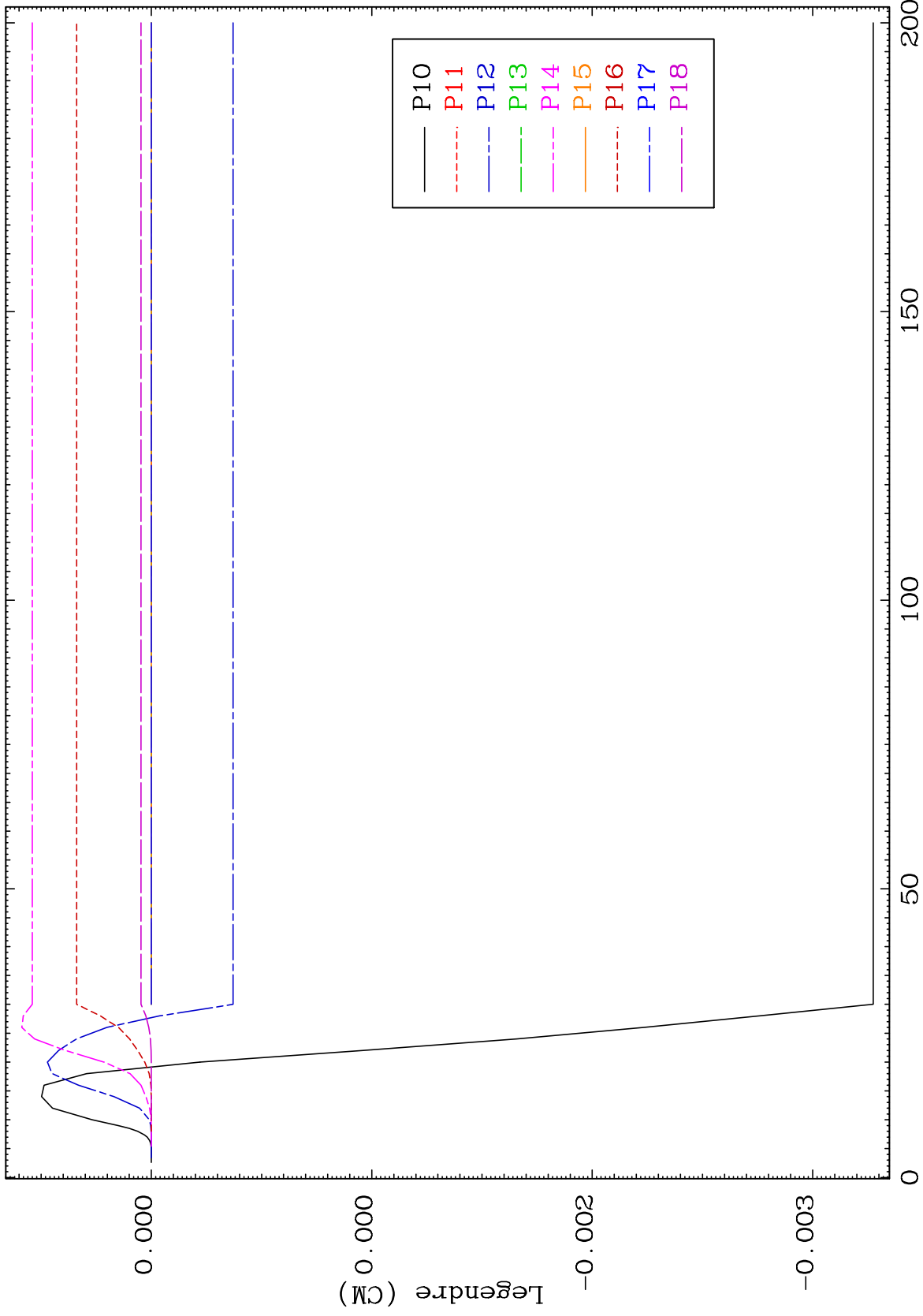
Incident Energy (MeV)

122

MAT 5431

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

54-Xe-126



123

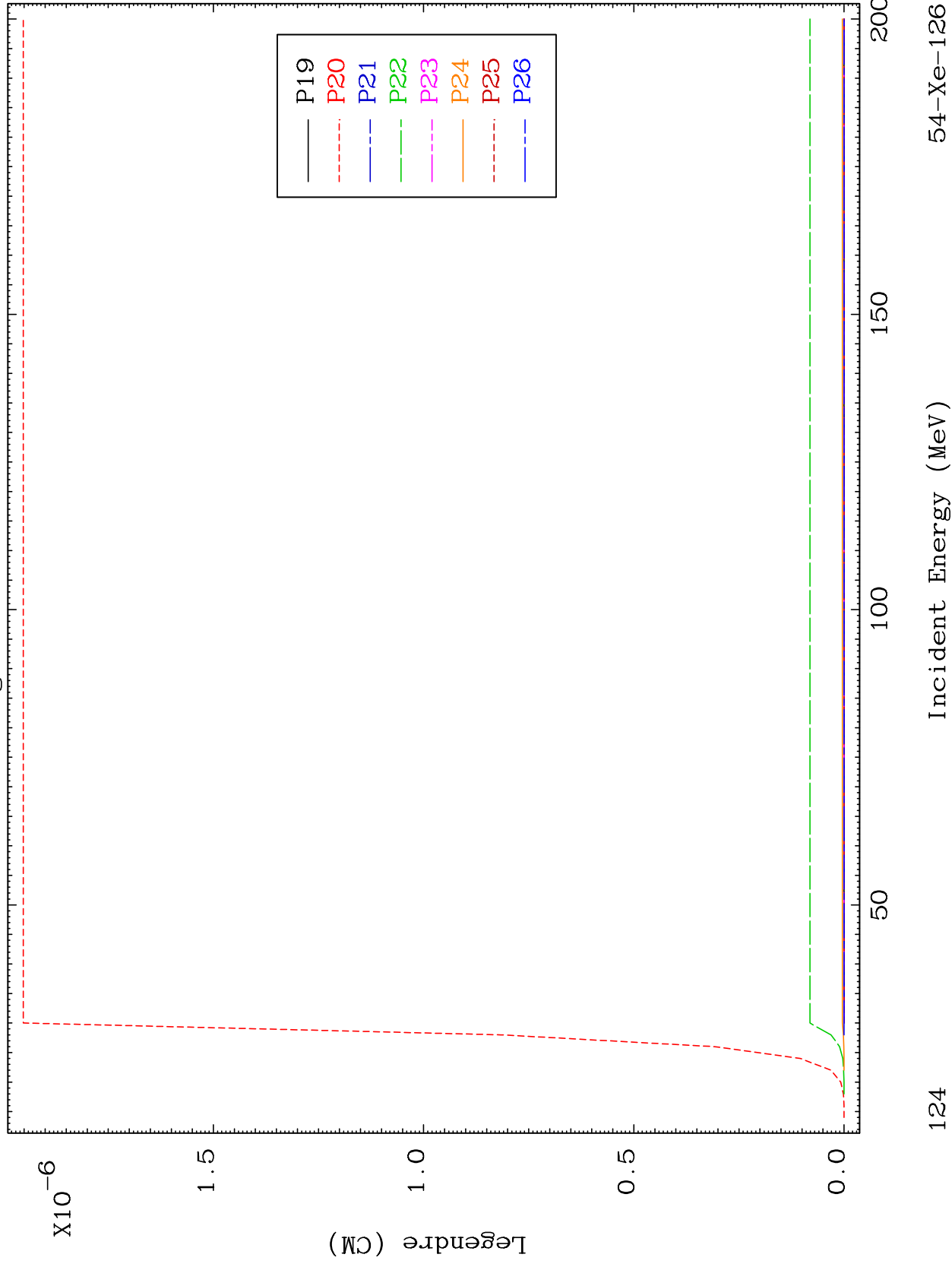
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



54-Xe-126

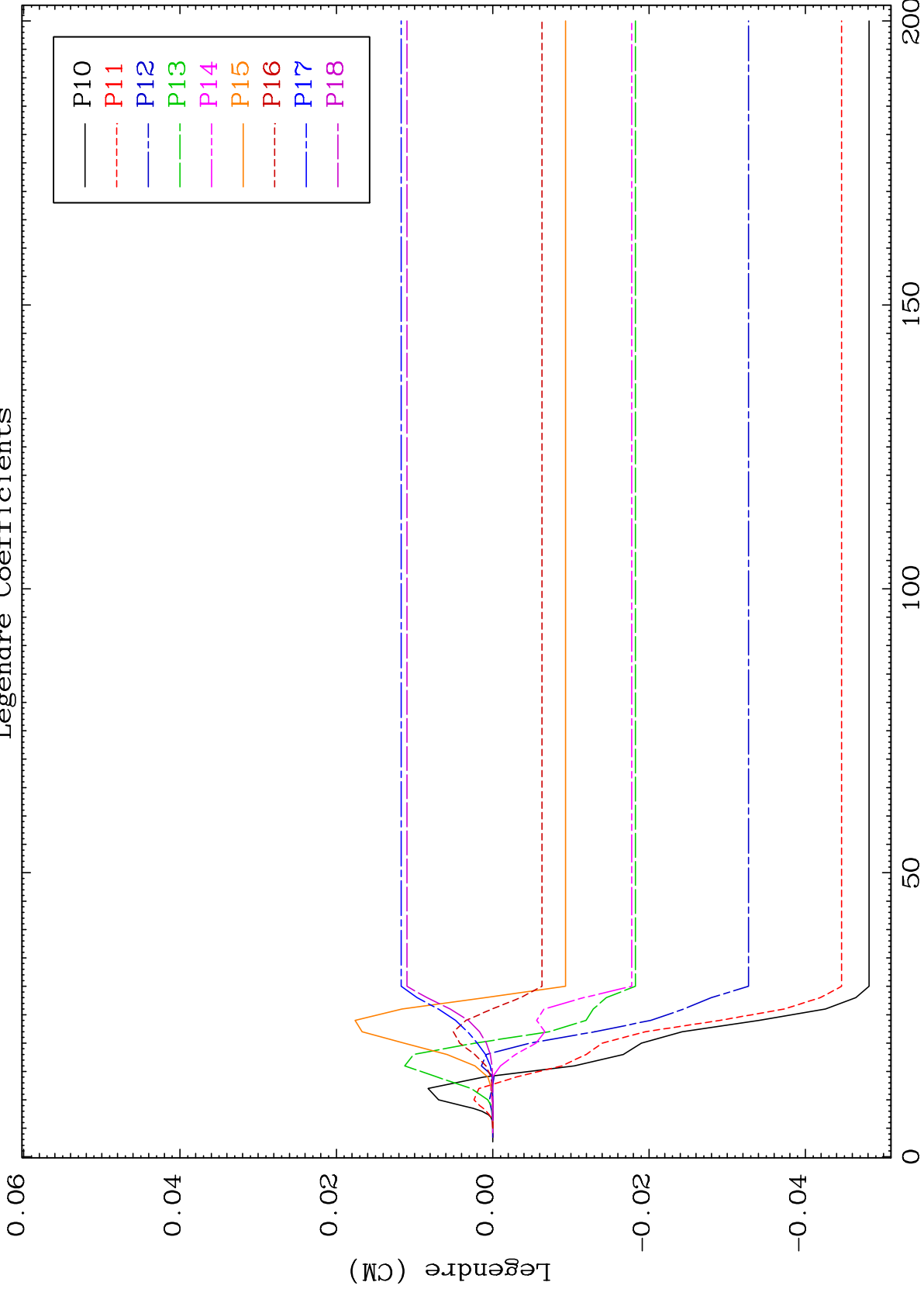
Incident Energy (MeV)

124

MAT 5431

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

54-Xe-126



126

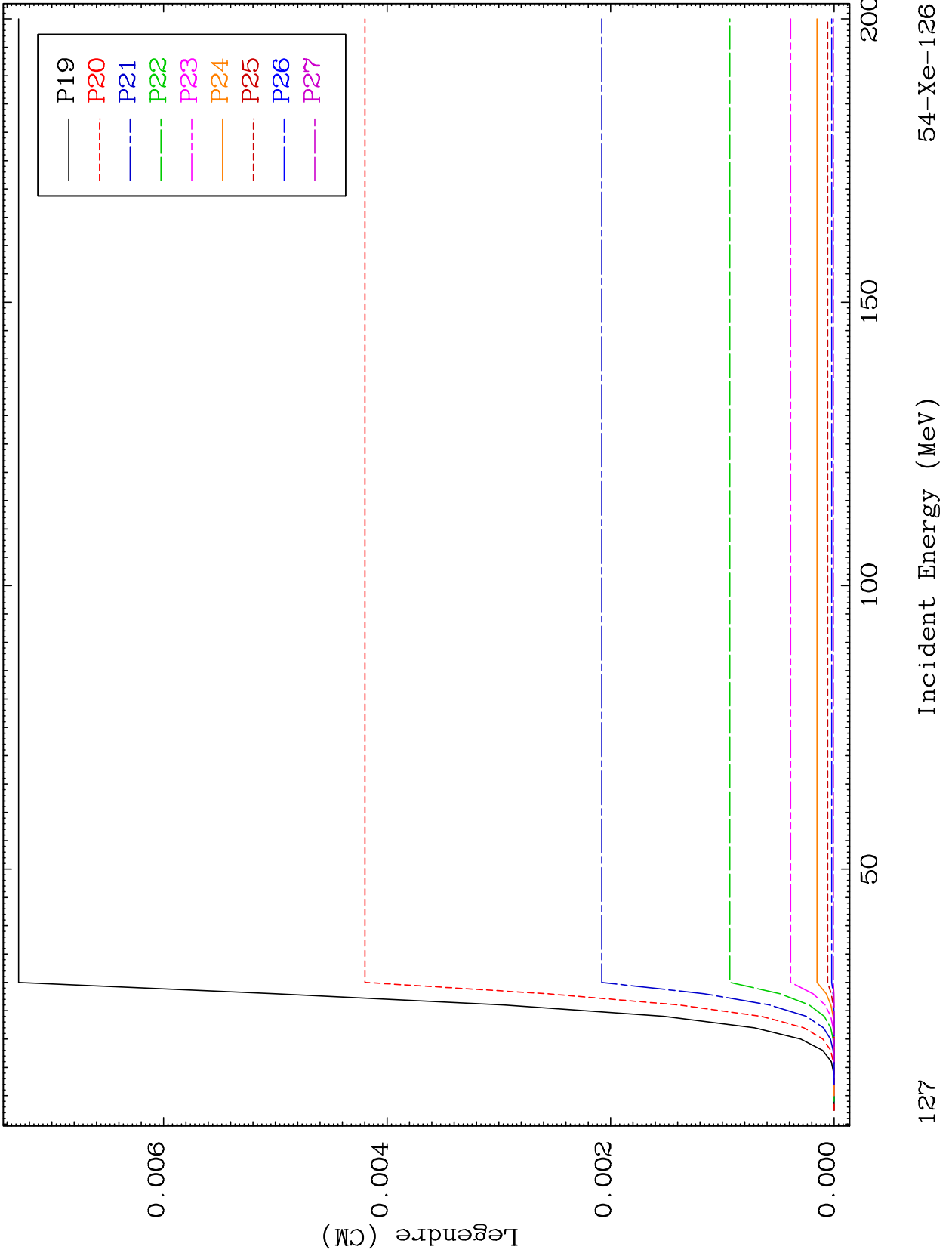
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126



127

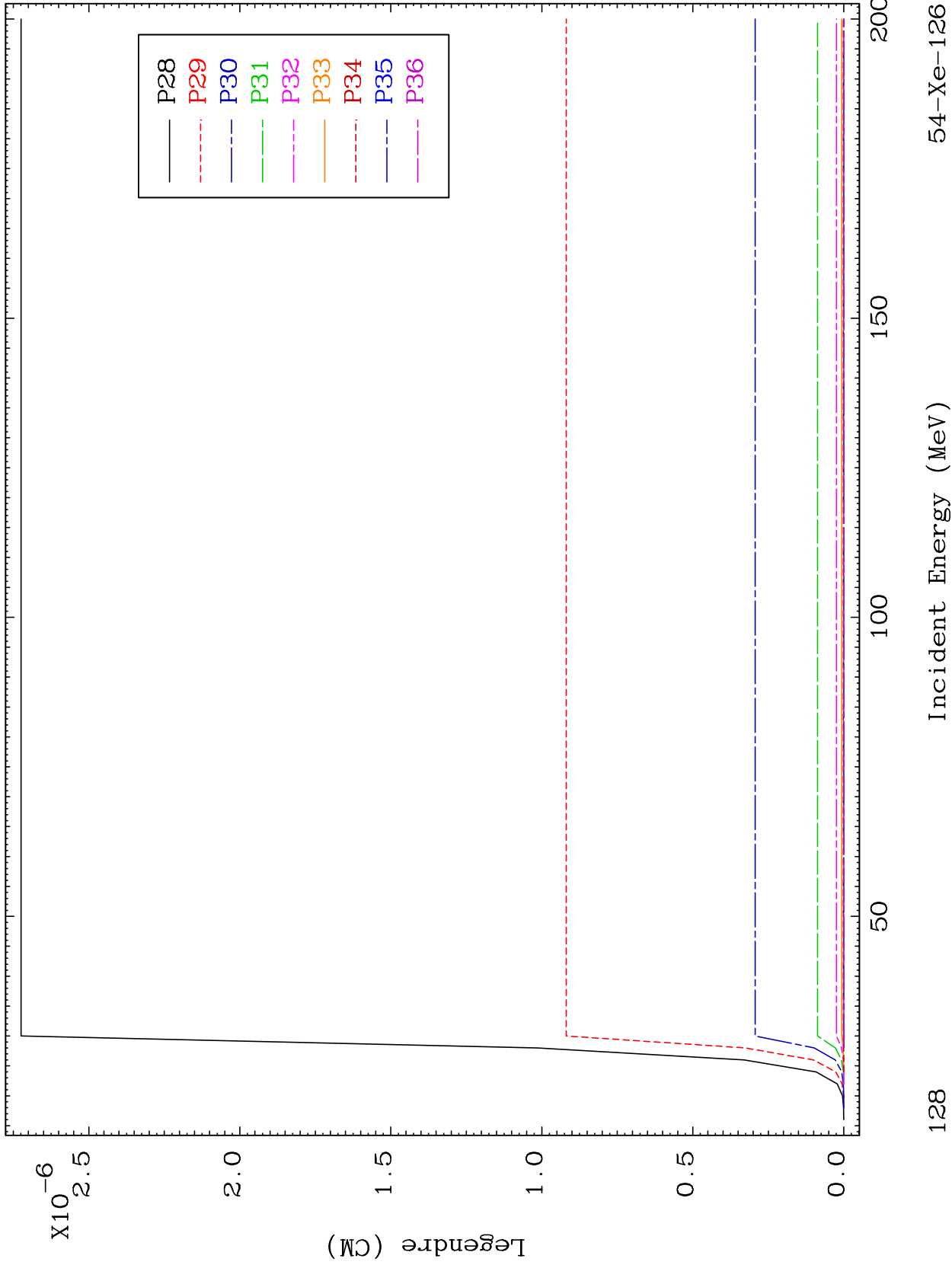
Incident Energy (MeV)

54-Xe-126

MAT 5431

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

54-Xe-126

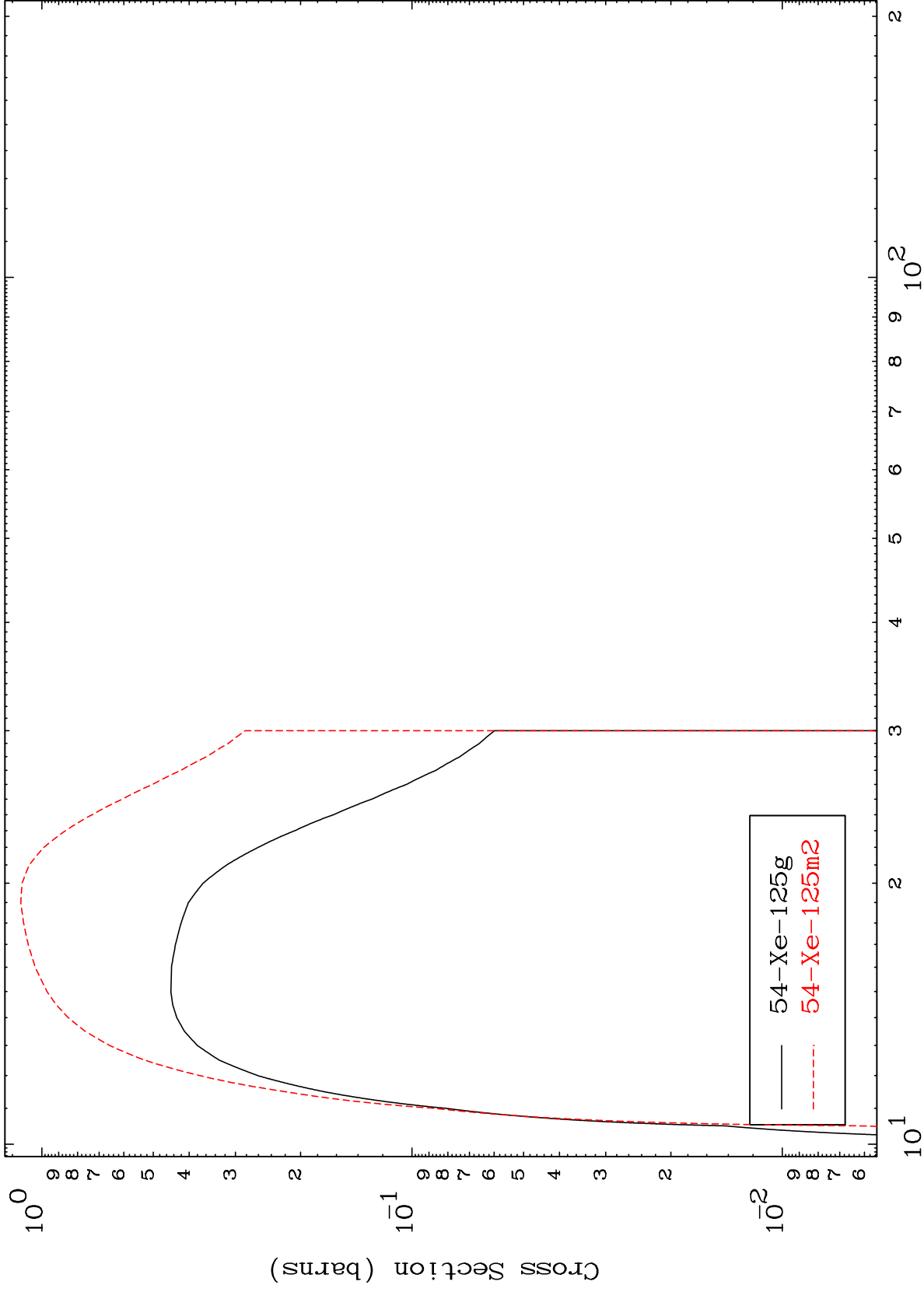


128

MAT 5431

54-Xe-126

Radionuclide Production Cross Section
(n,2n)



54-Xe-126

Incident Energy (MeV)

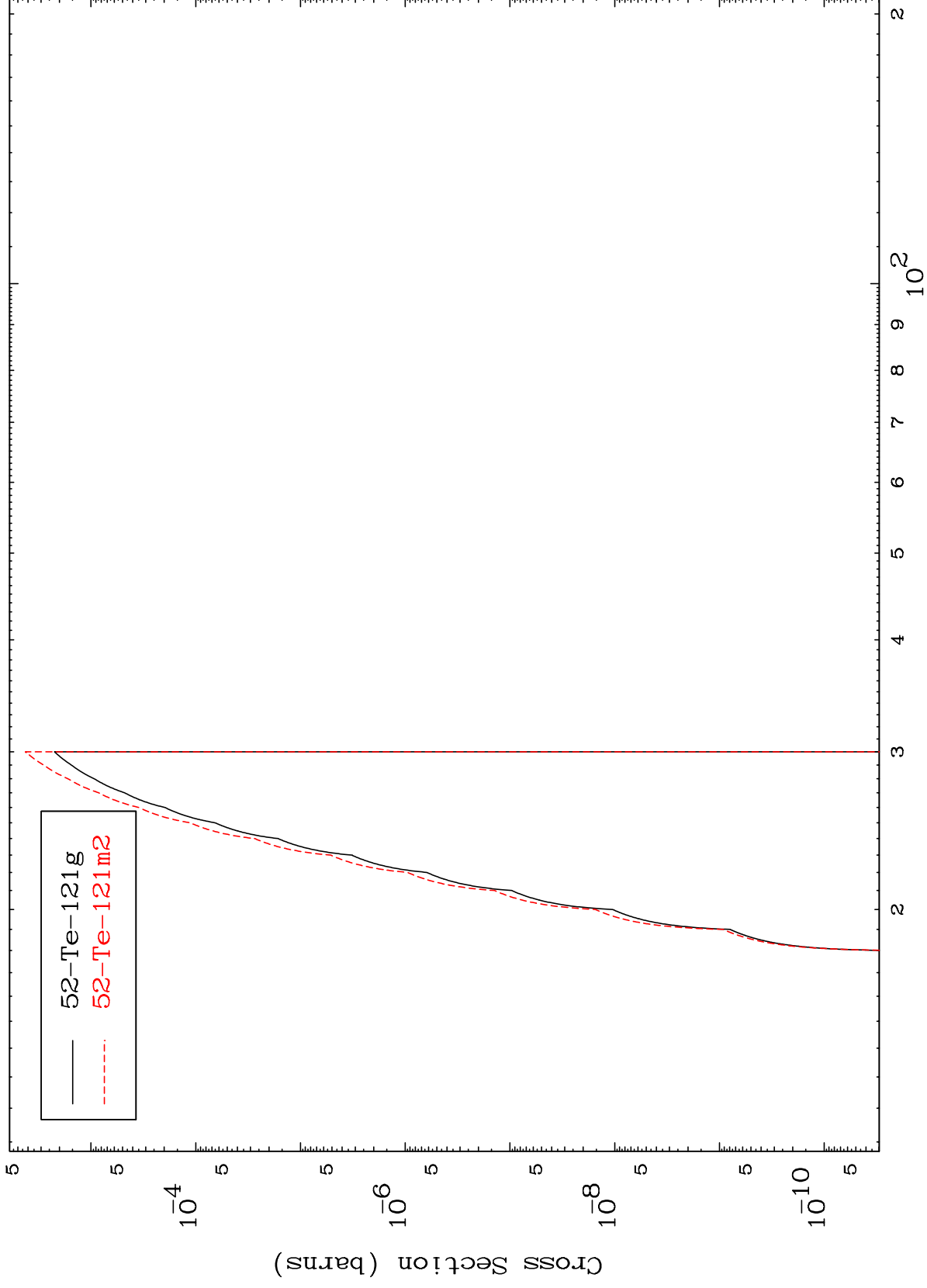
129

MAT 5431

54-Xe-126

(n,2n) α

Radionuclide Production Cross Section



130

Incident Energy (MeV)

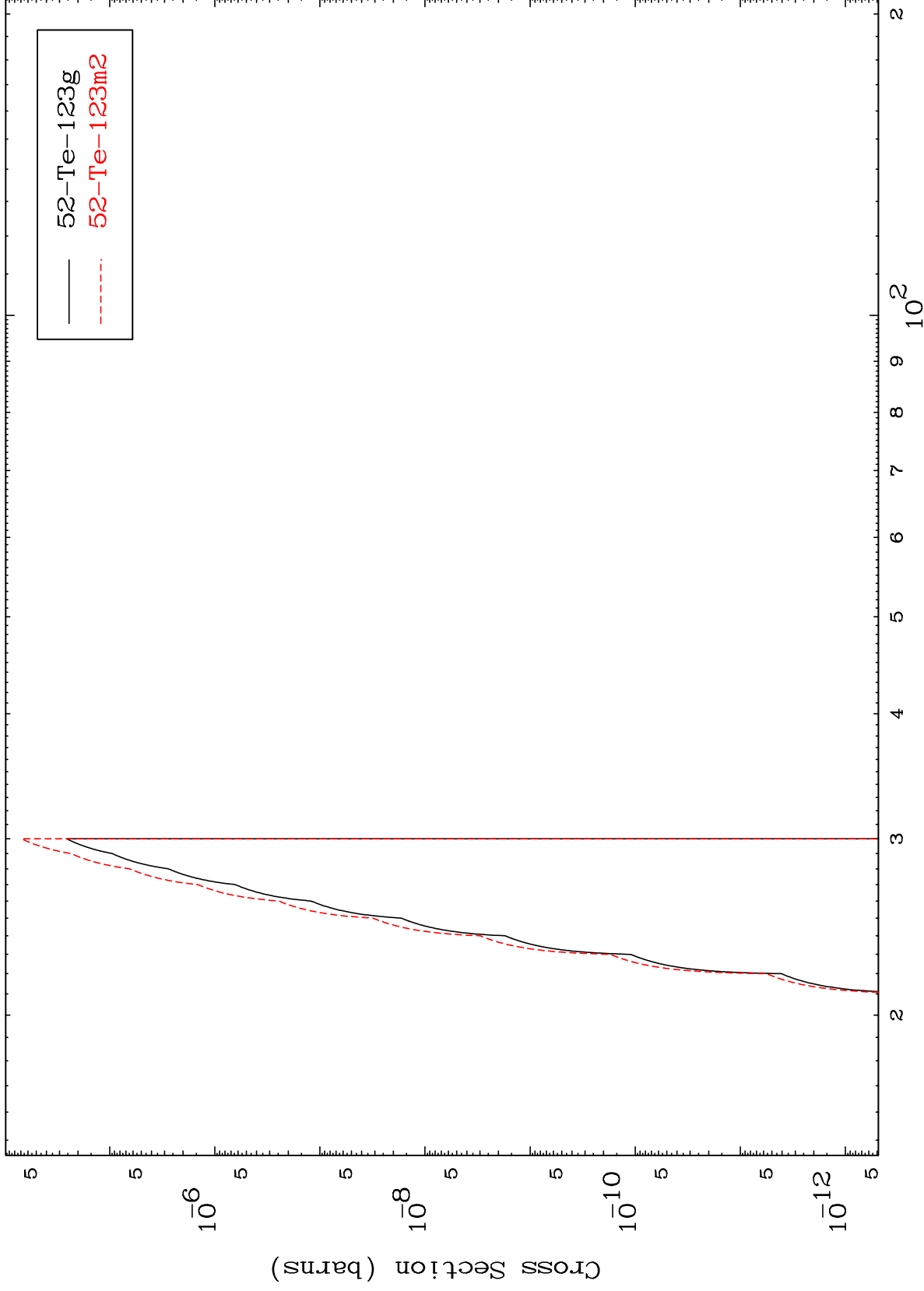
54-Xe-126

MAT 5431

(n,n') He-3

54-Xe-126

Radionuclide Production Cross Section



131

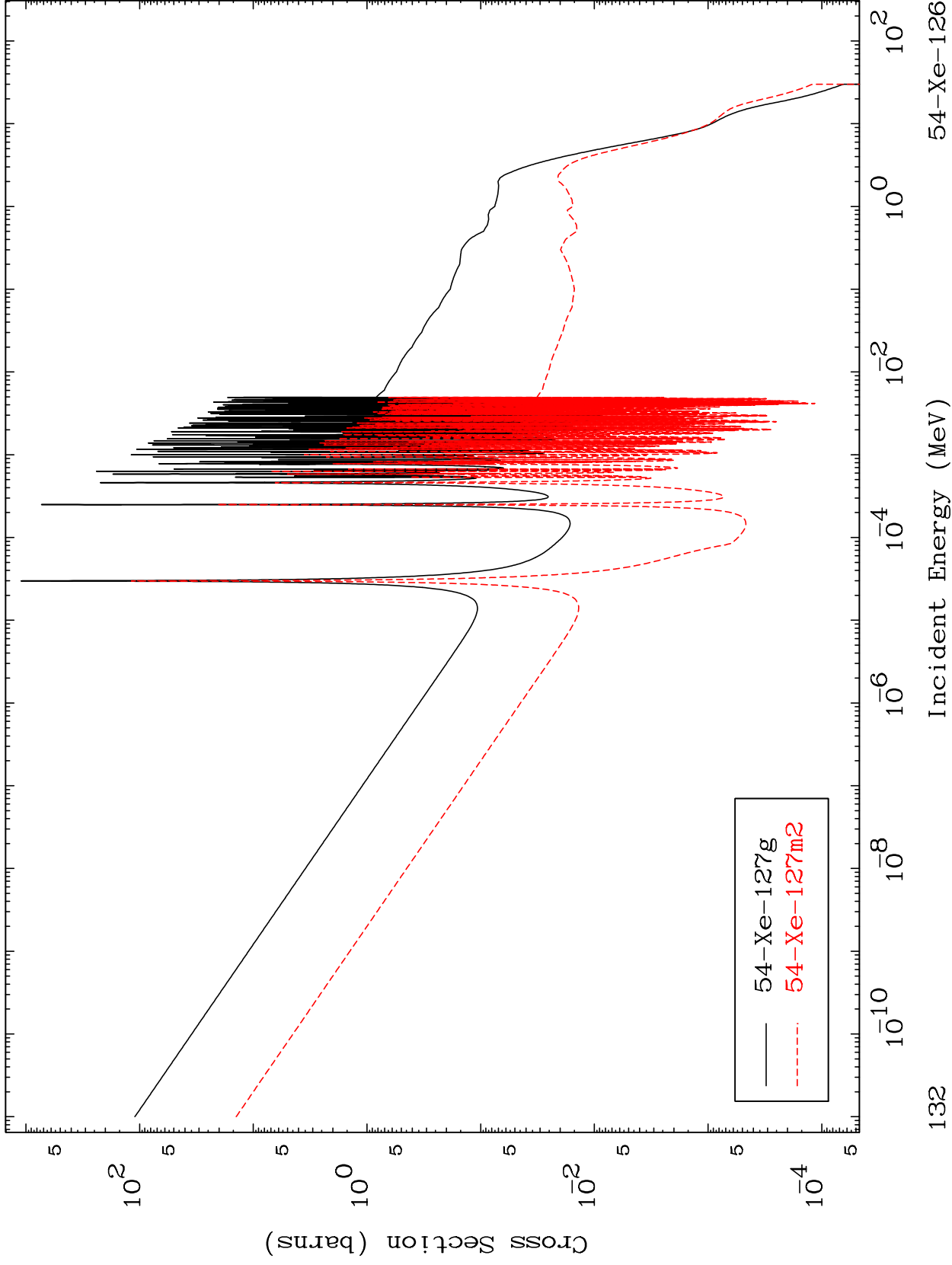
Incident Energy (MeV)

54-Xe-126

MAT 5431

54-Xe-126

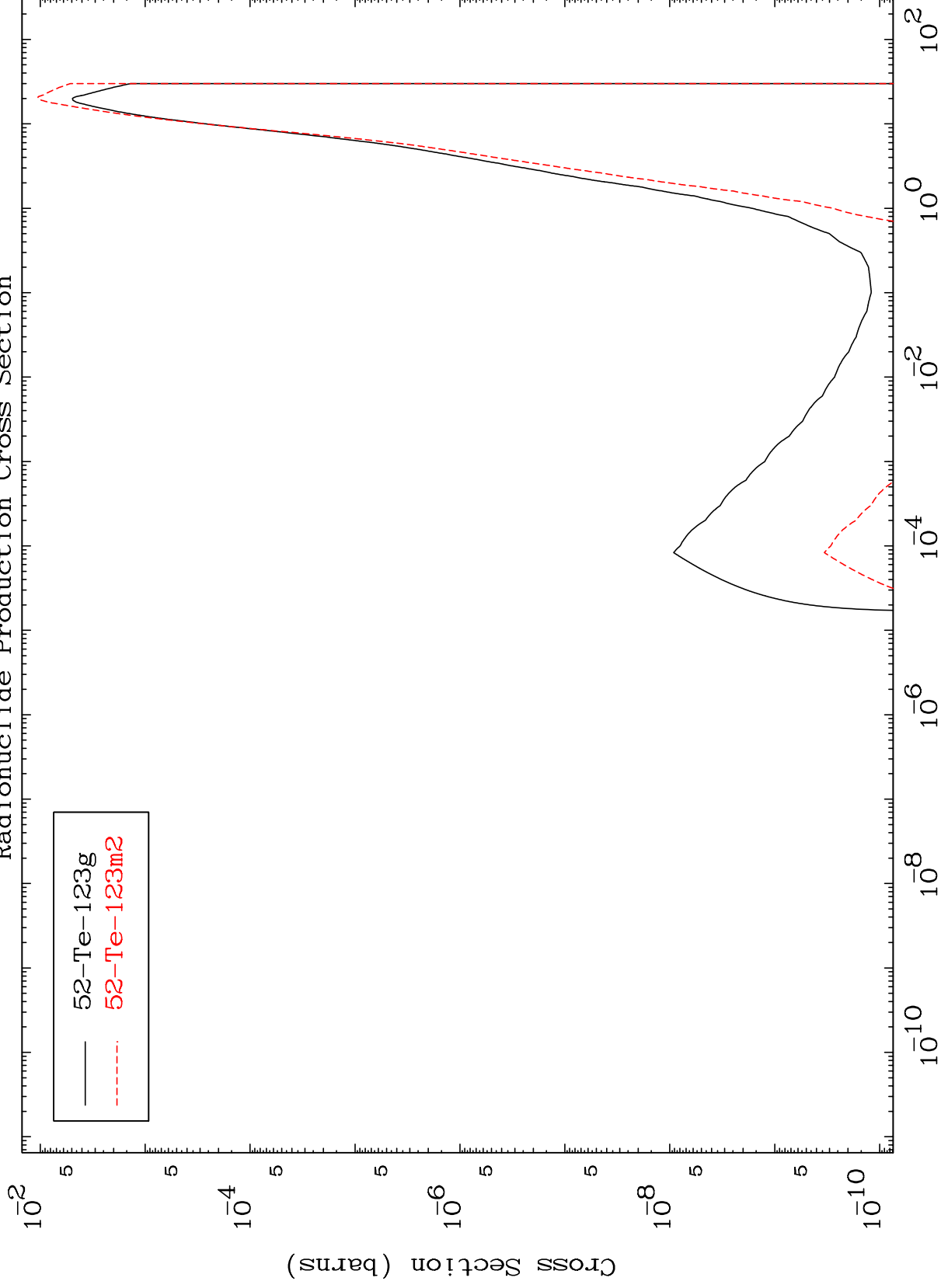
(n, γ)
Radionuclide Production Cross Section



MAT 5431

54-Xe-126

Radionuclide Production Cross Section



52-Te-123g
52-Te-123m2

Incident Energy (MeV)

54-Xe-126

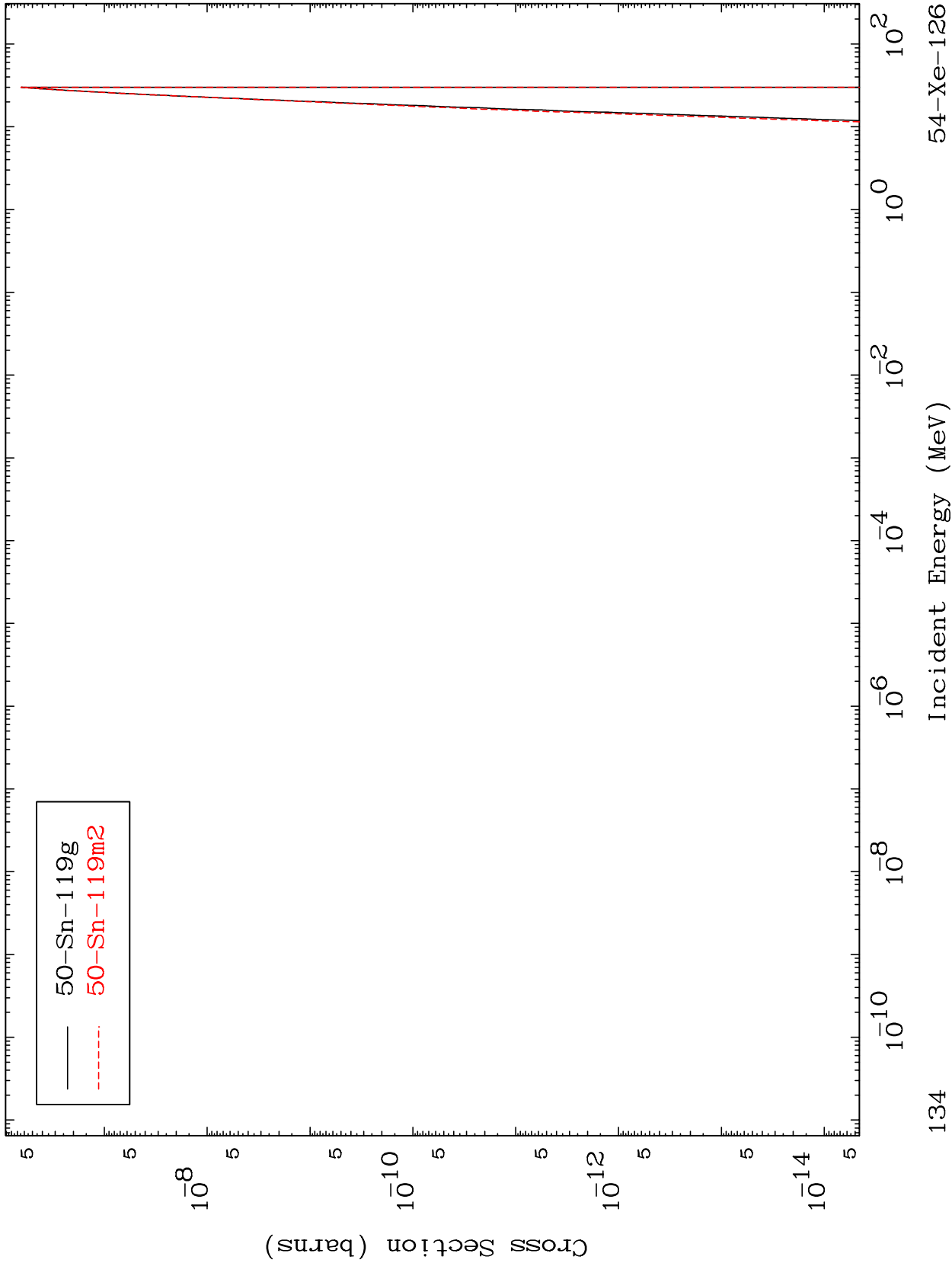
133

MAT 5431

(n,2α)

54-Xe-126

Radionuclide Production Cross Section



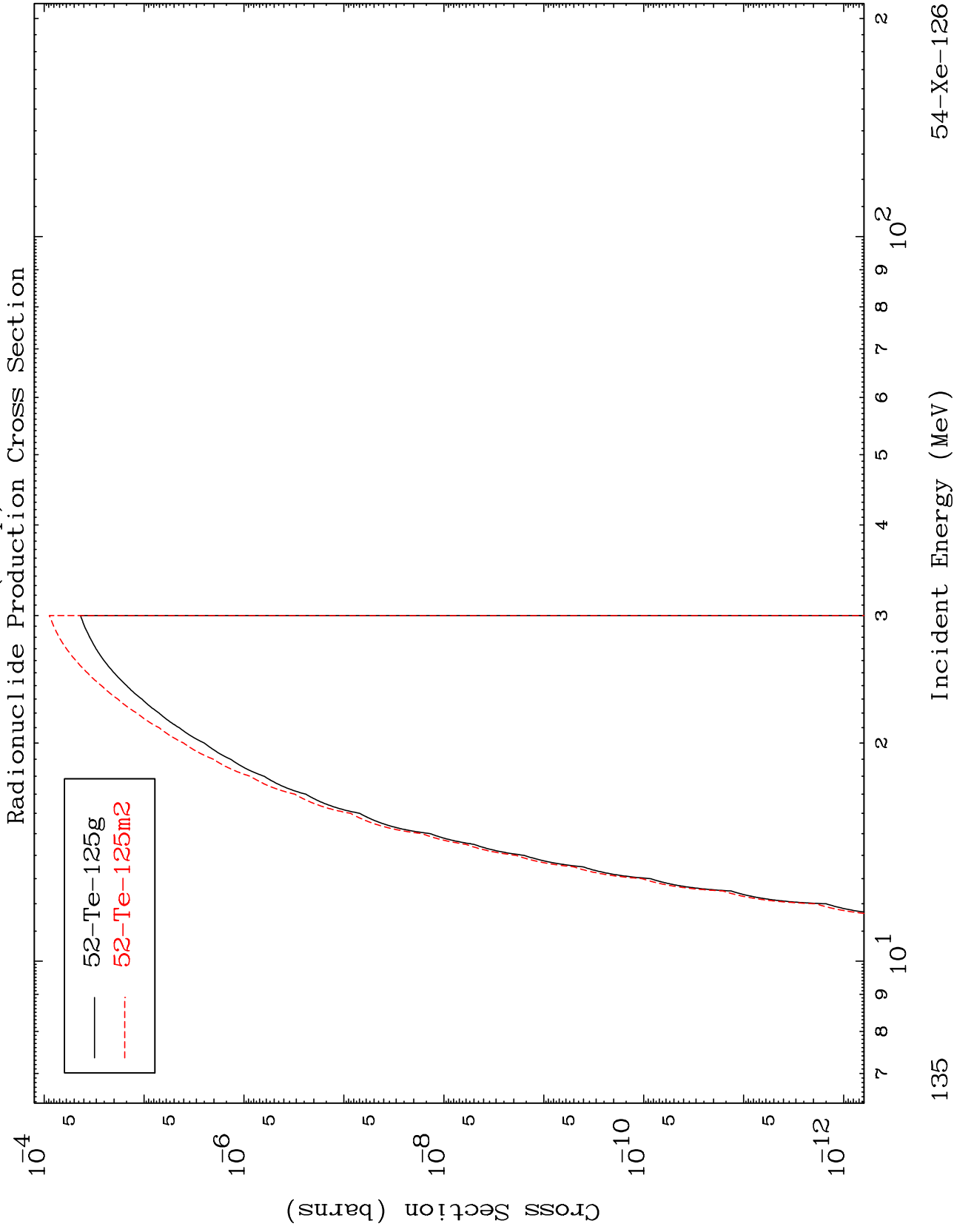
134

Incident Energy (MeV)

54-Xe-126

MAT 5431

54-Xe-126



54-Xe-126

Incident Energy (MeV)

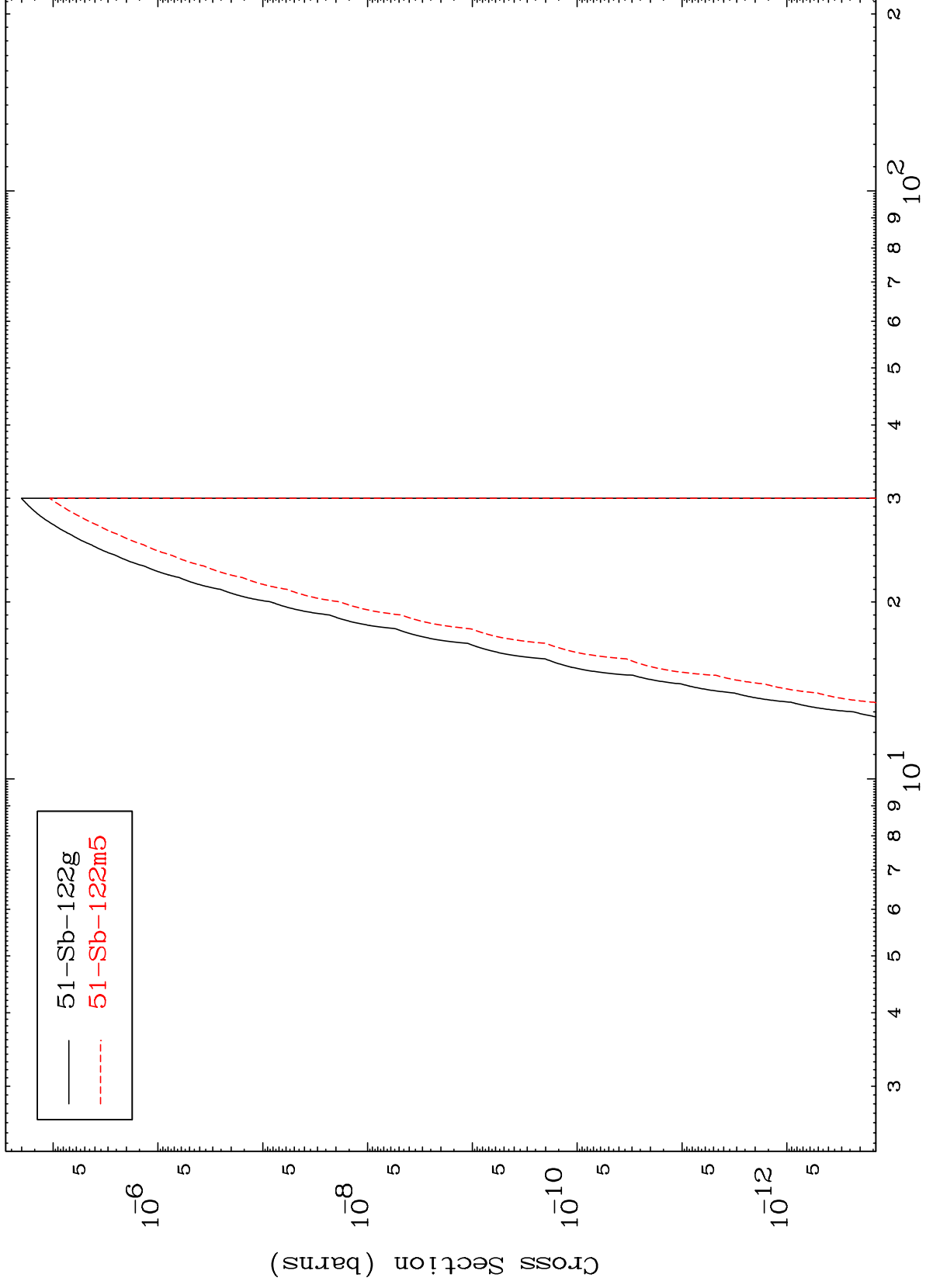
135

MAT 5431

(n,p) α

54-Xe-126

Radionuclide Production Cross Section



136

Incident Energy (MeV)

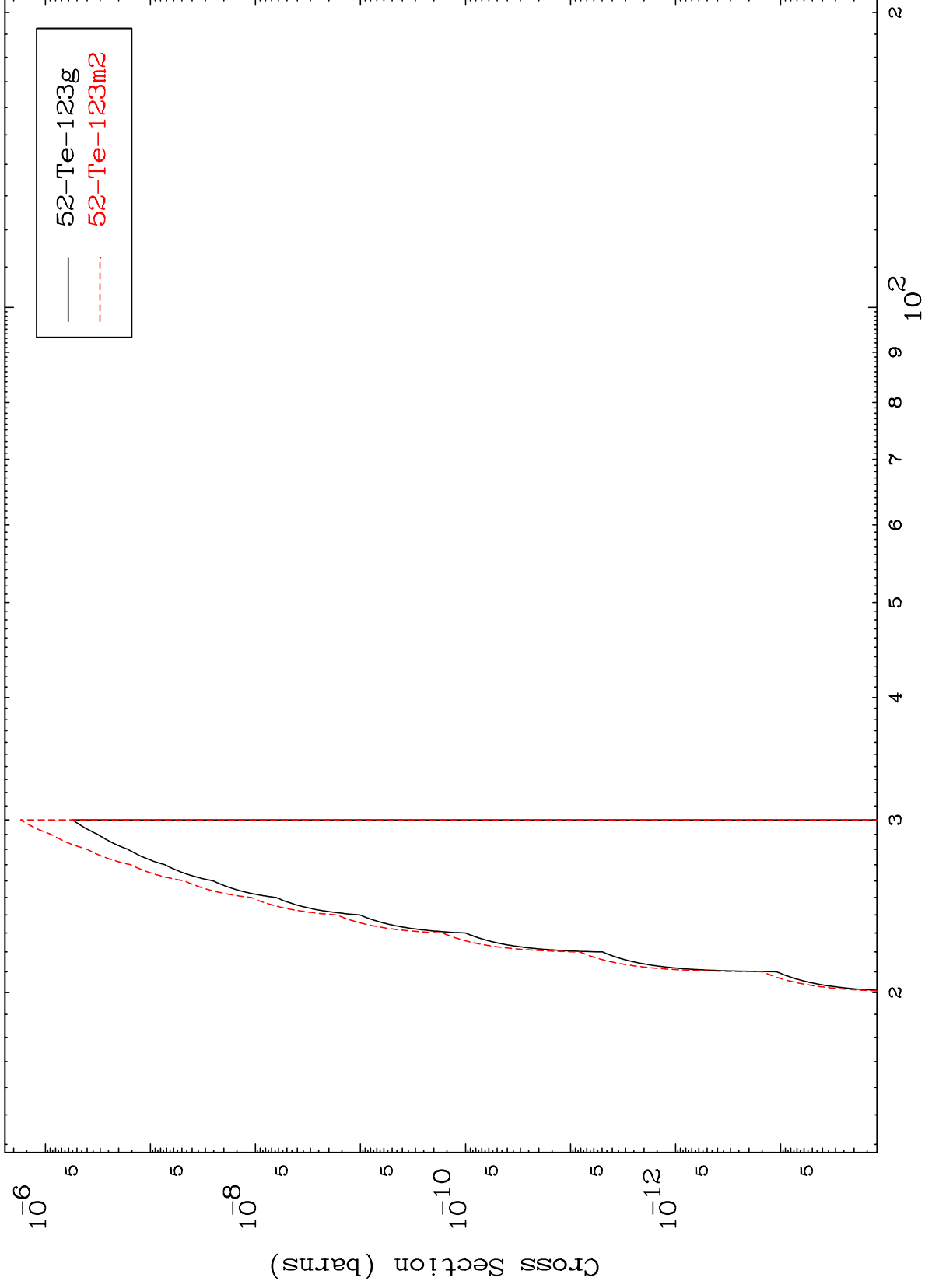
54-Xe-126

MAT 5431

(n,p) t

54-Xe-126

Radionuclide Production Cross Section



137

Incident Energy (MeV)

54-Xe-126