

Program EVALPLOT
(Version 2021-1)

by

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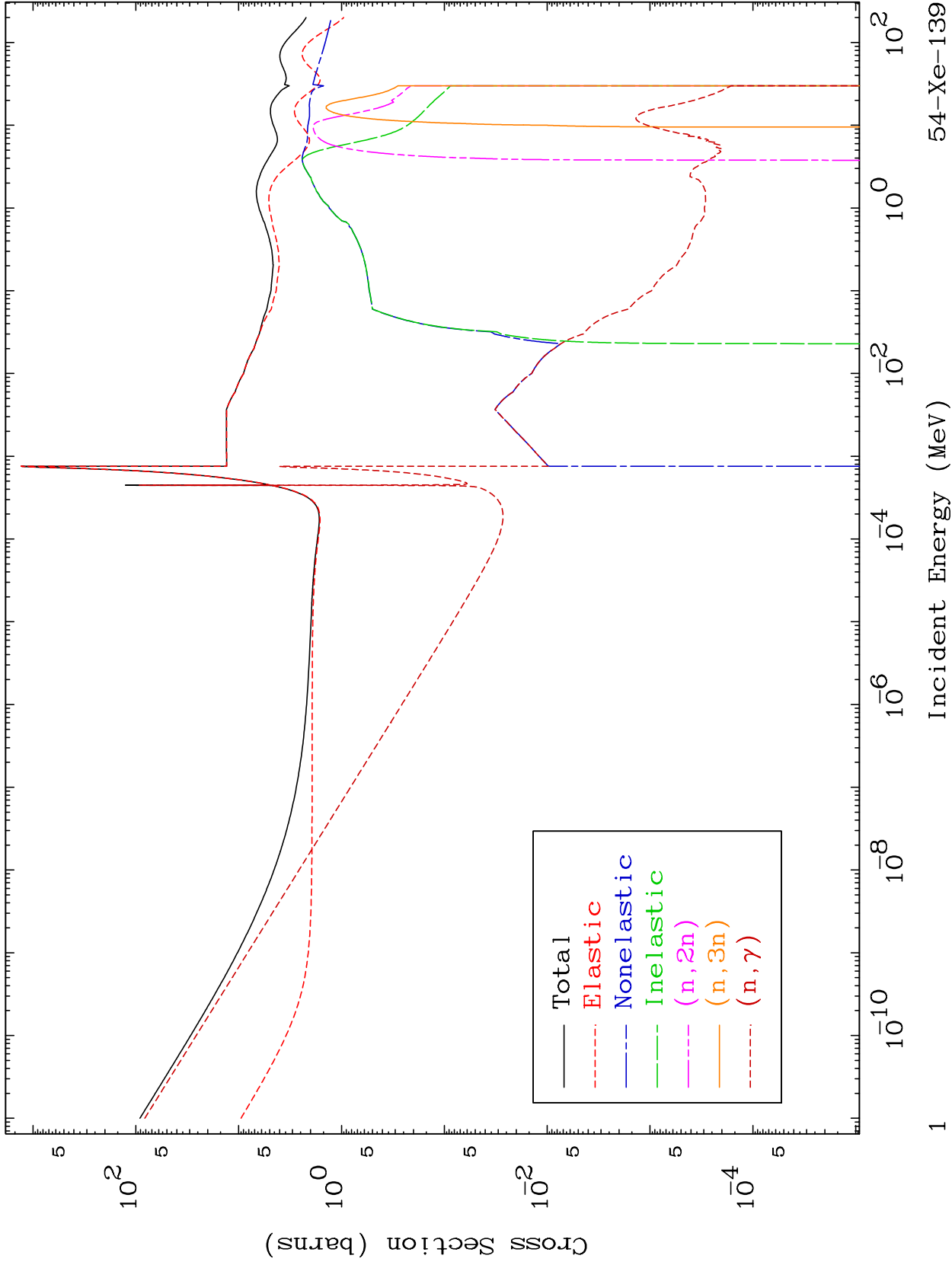
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Press Mouse Button to Start

MAT 5470

Neutron Major
293 Kelvin Cross Sections

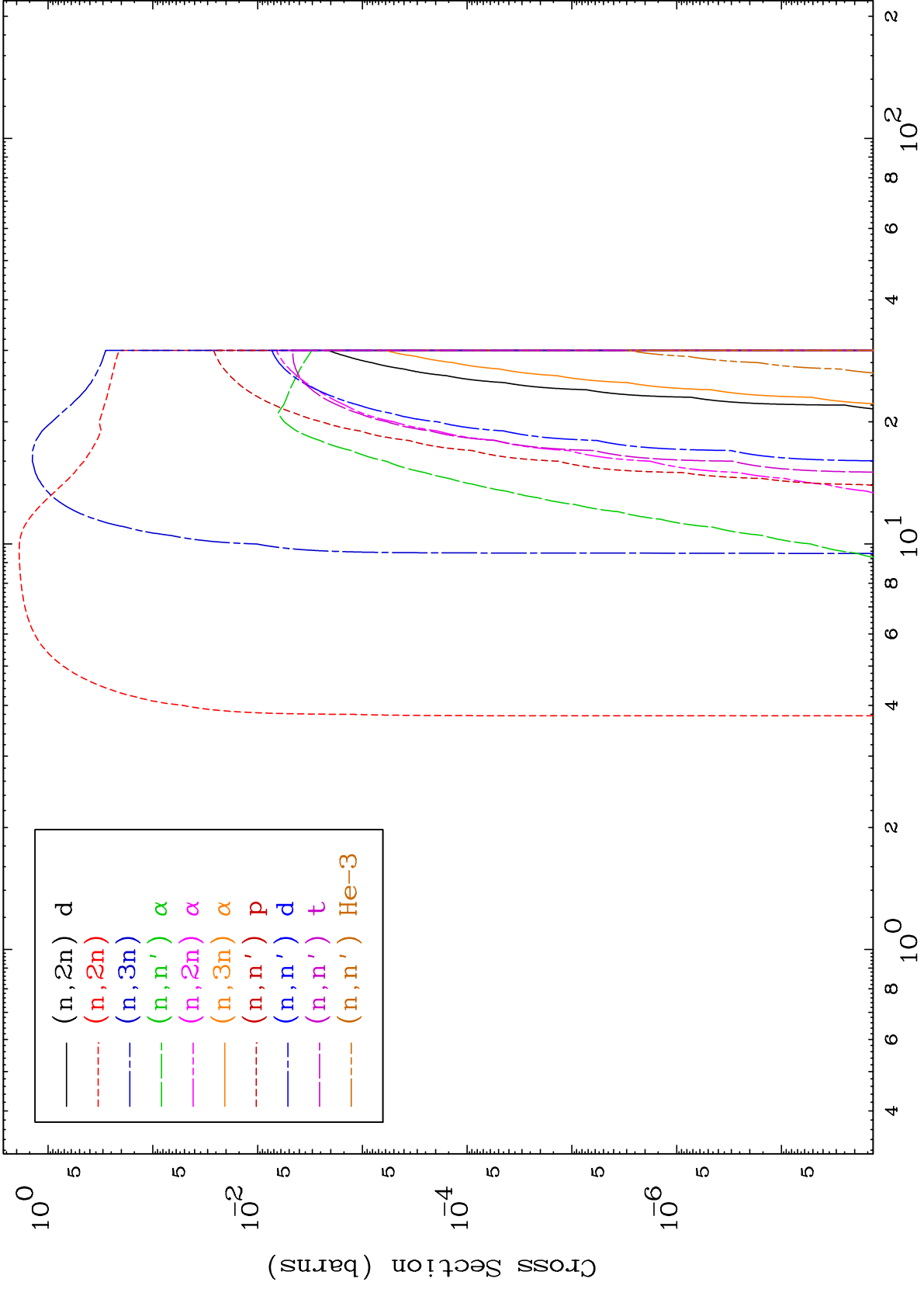
54-Xe-139



MAT 5470

Neutron Absorption
293 Kelvin Cross Sections

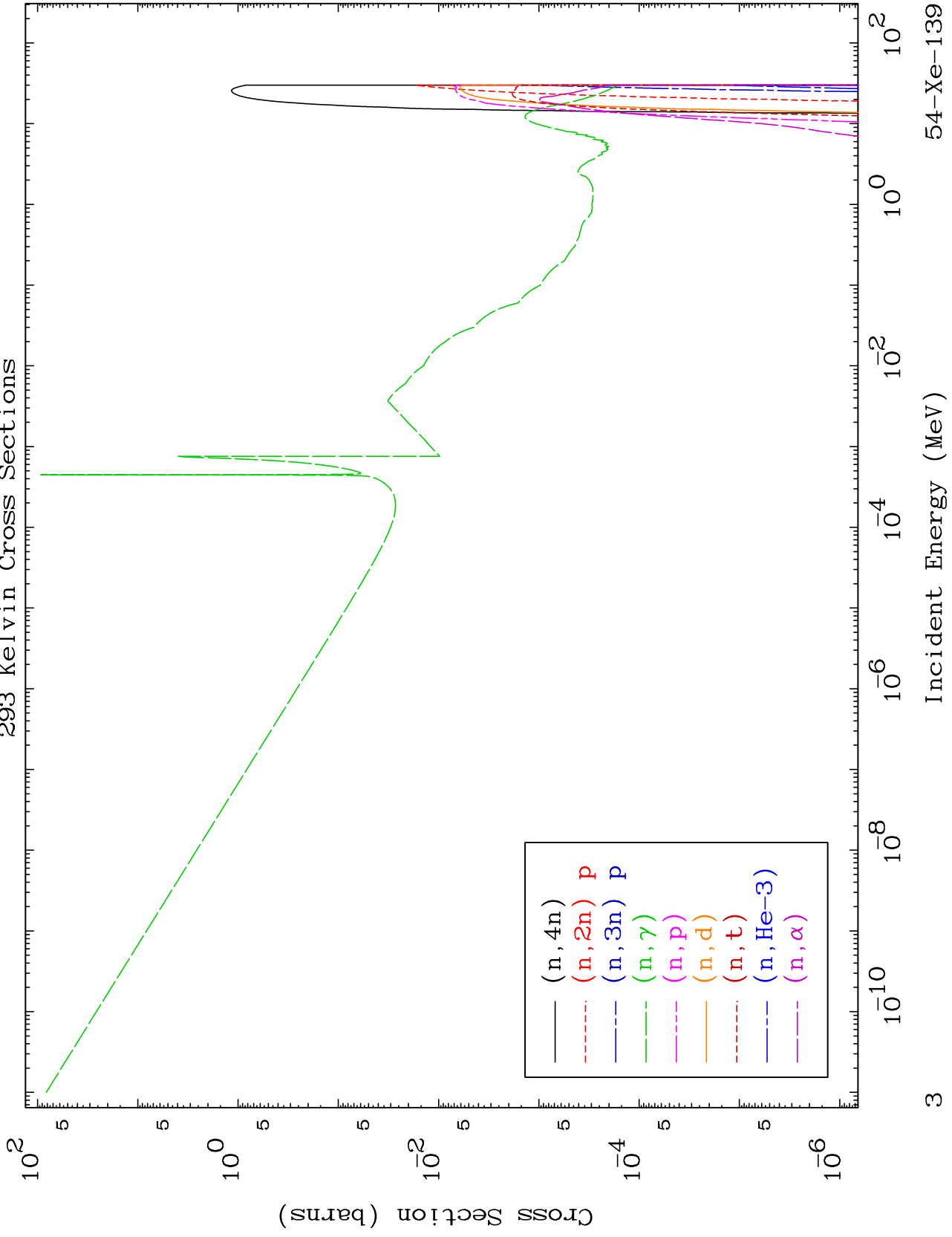
54-Xe-139

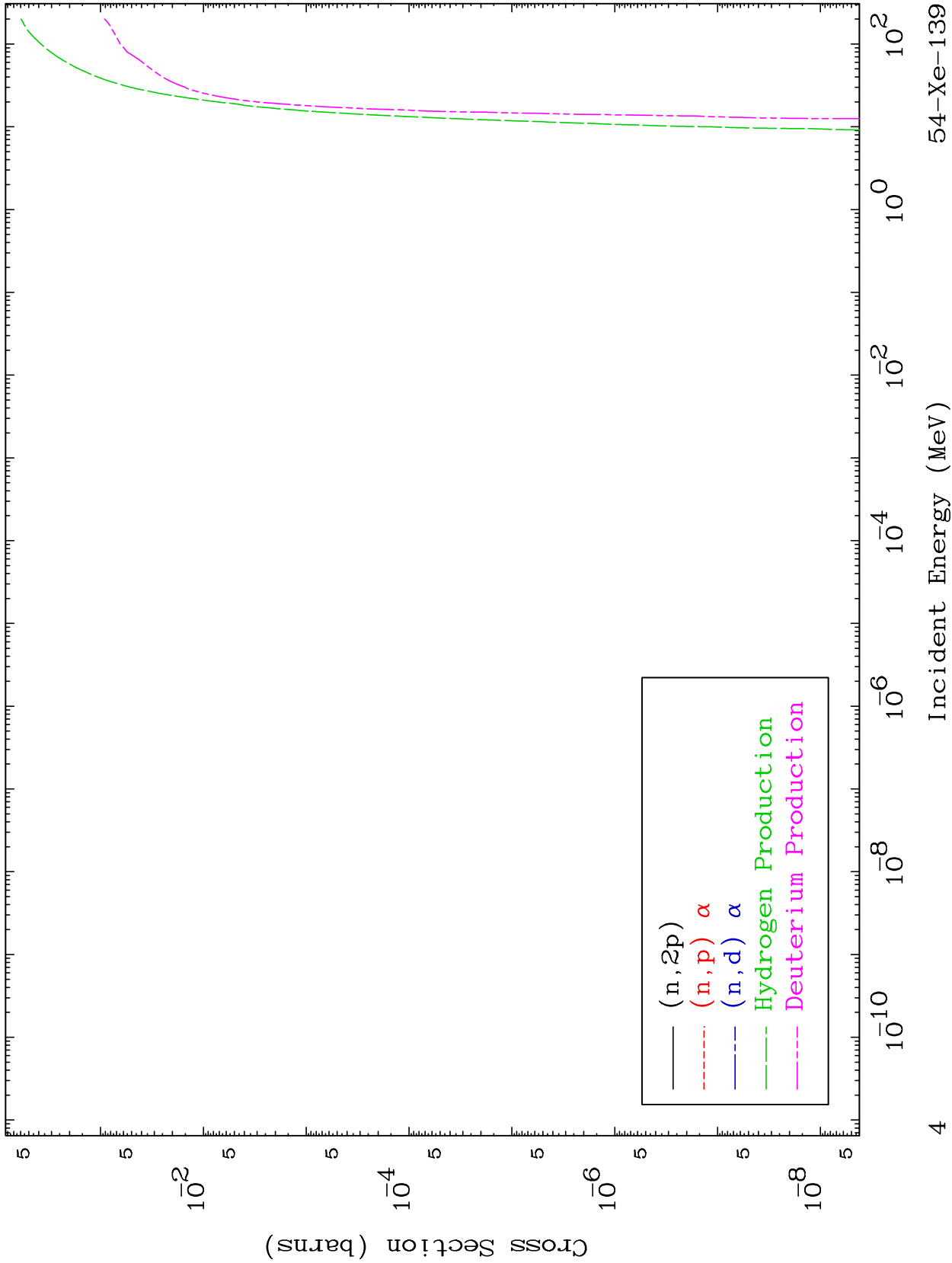


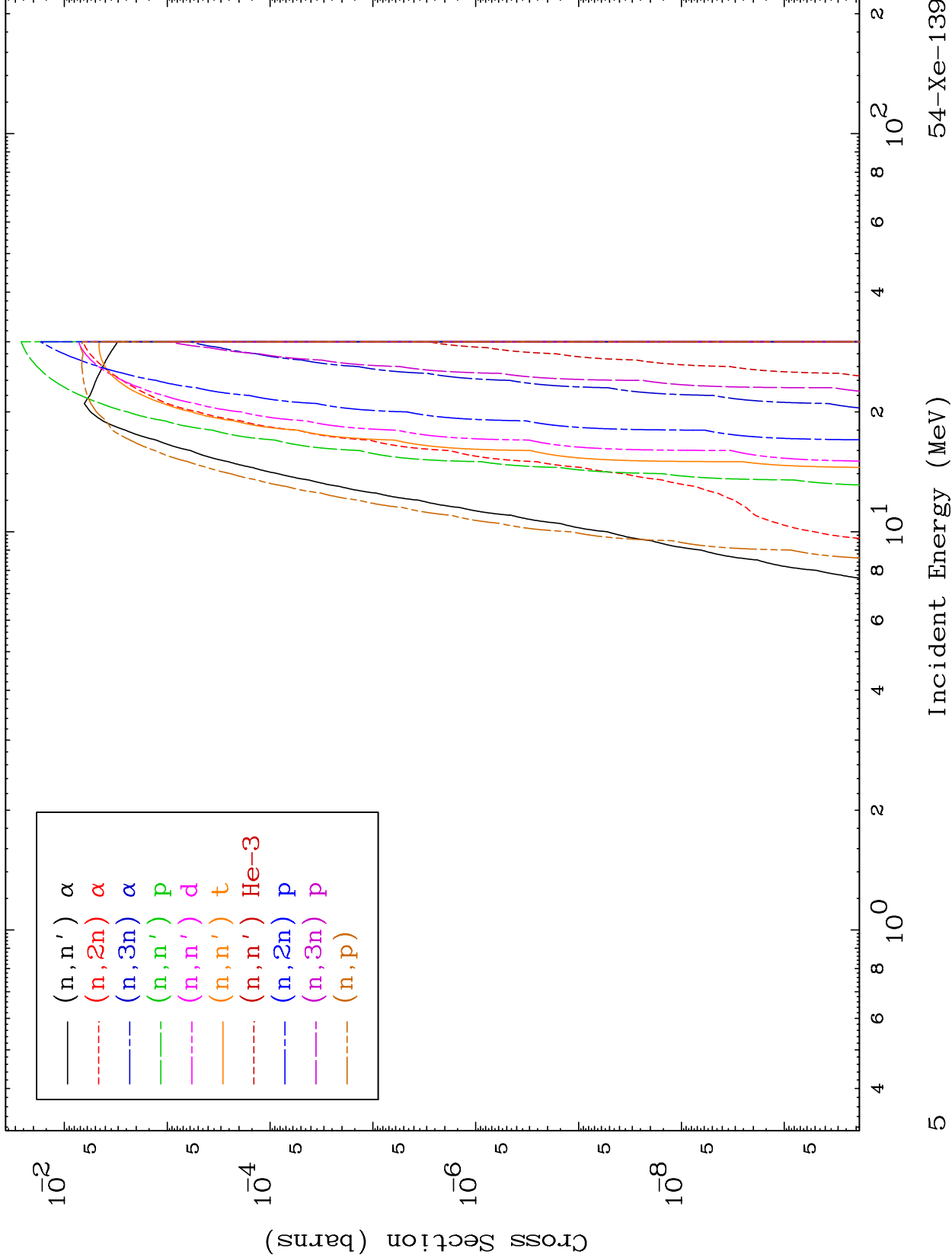
MAT 5470

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-139



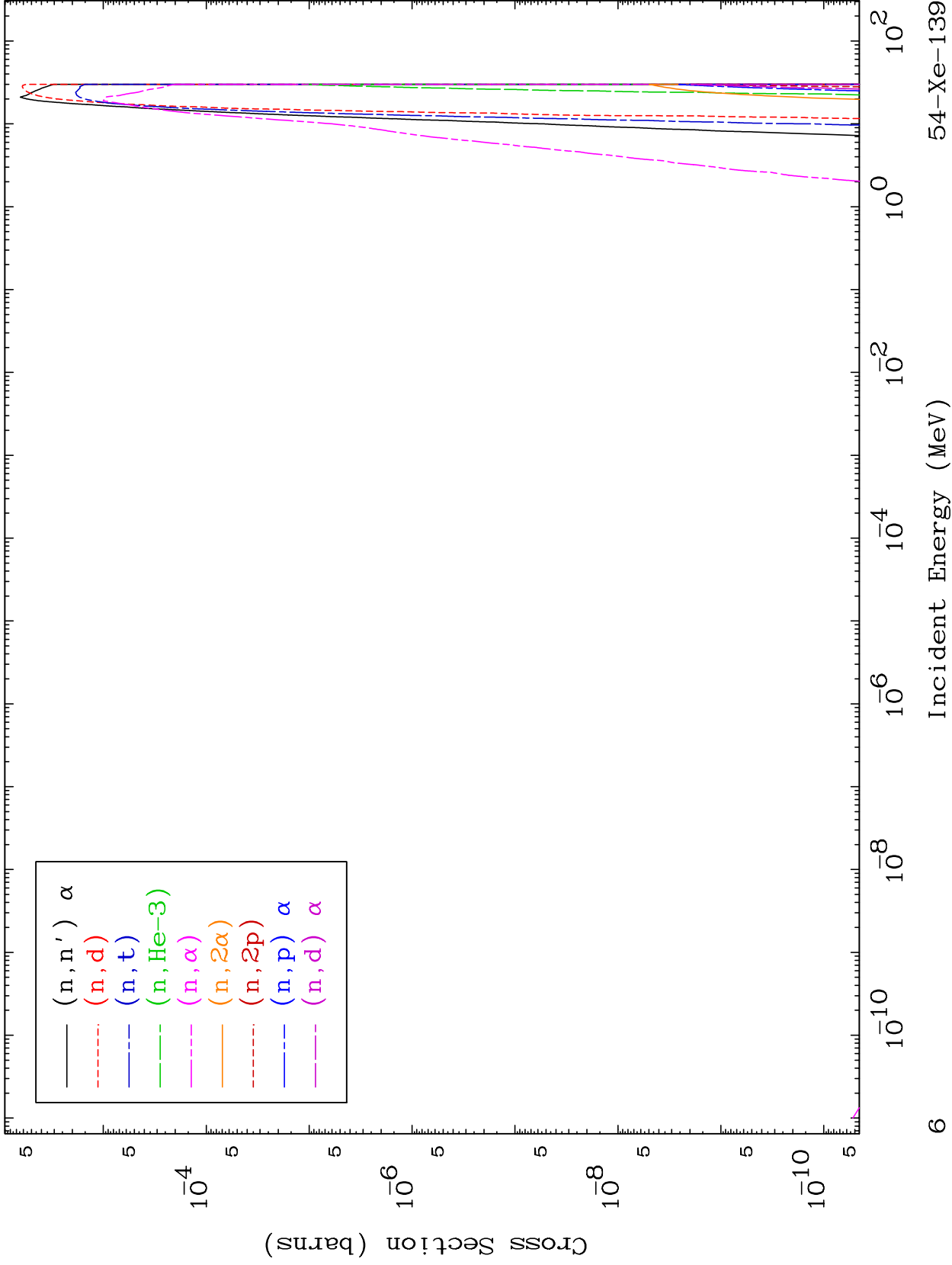


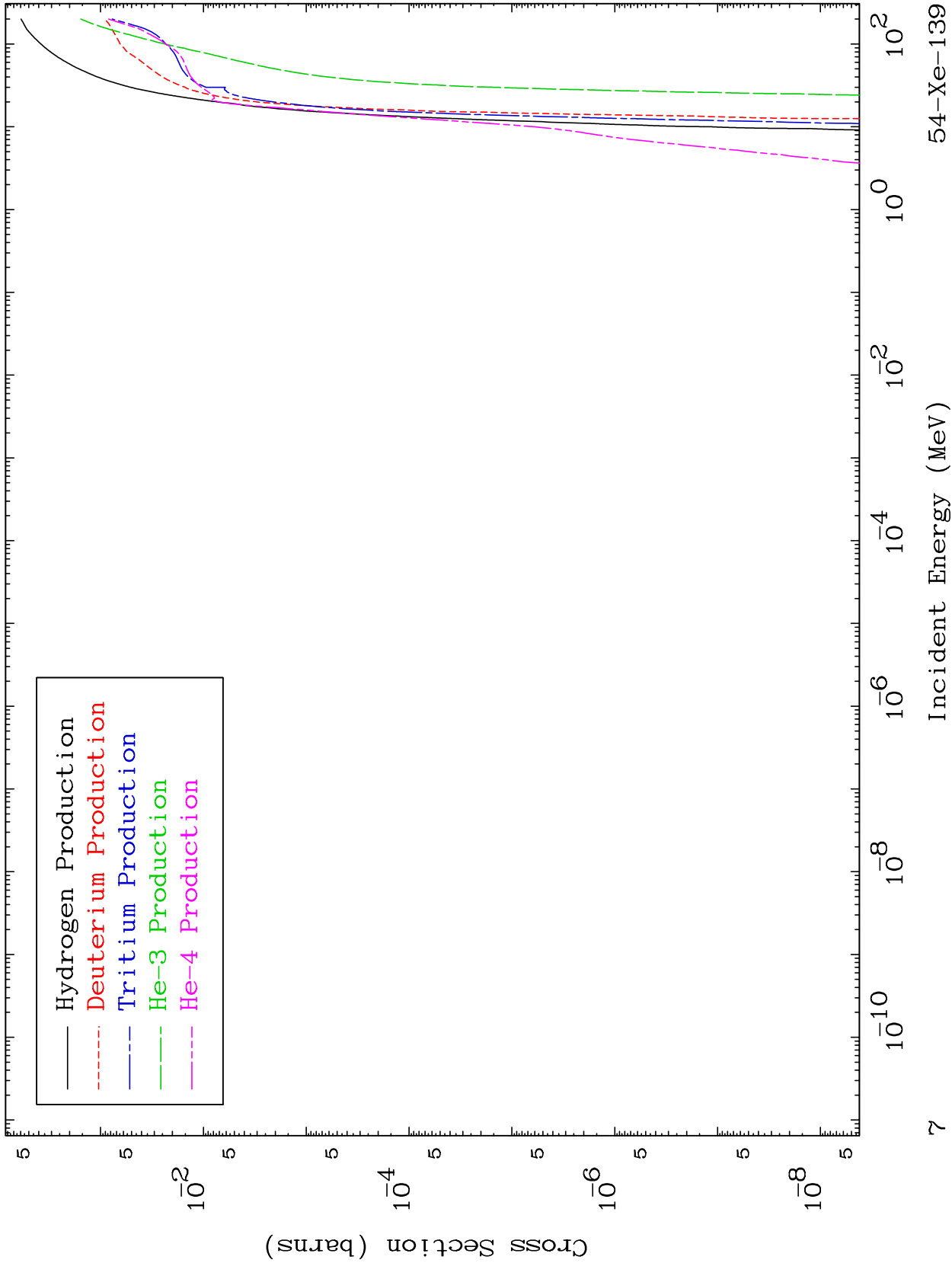


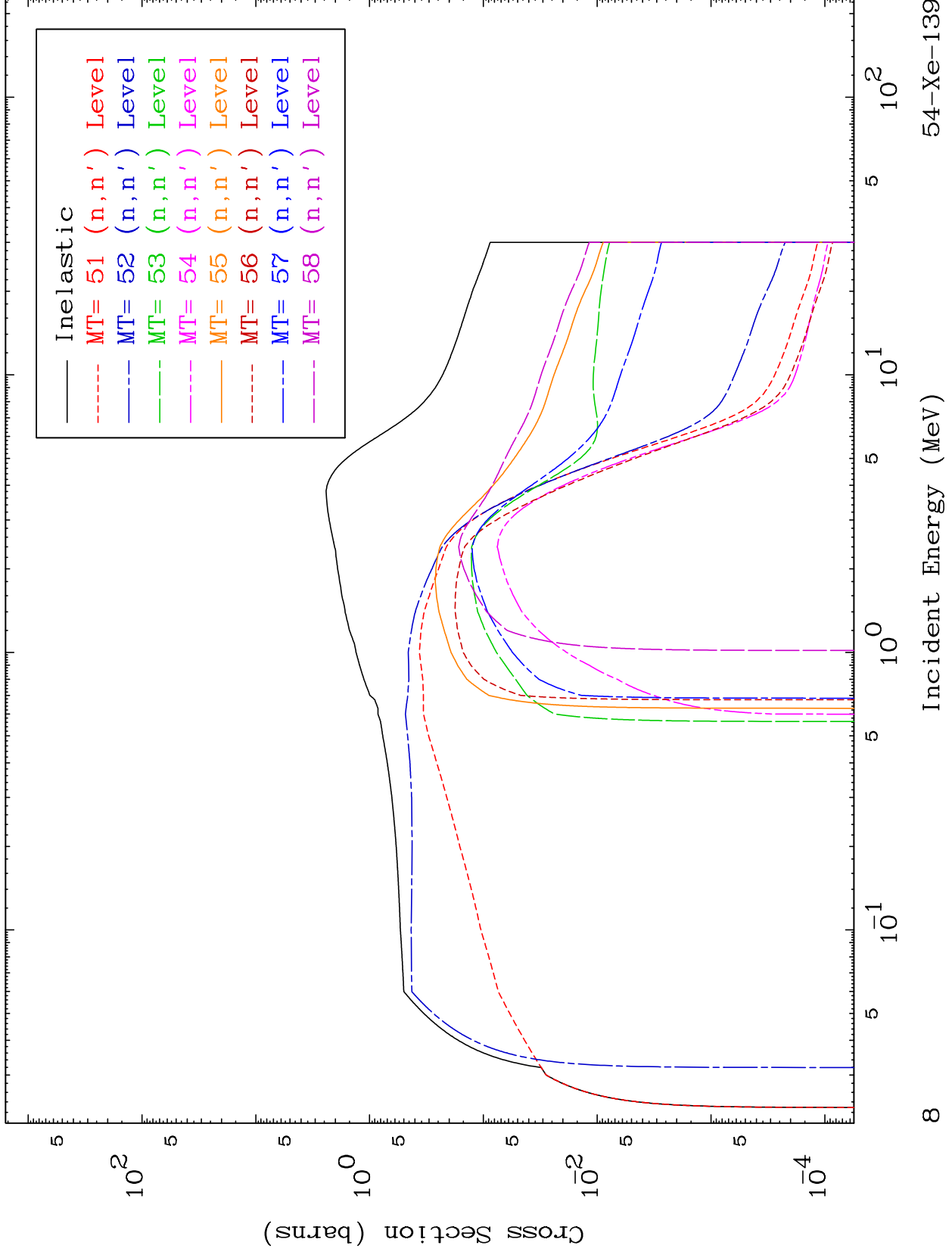
MAT 5470

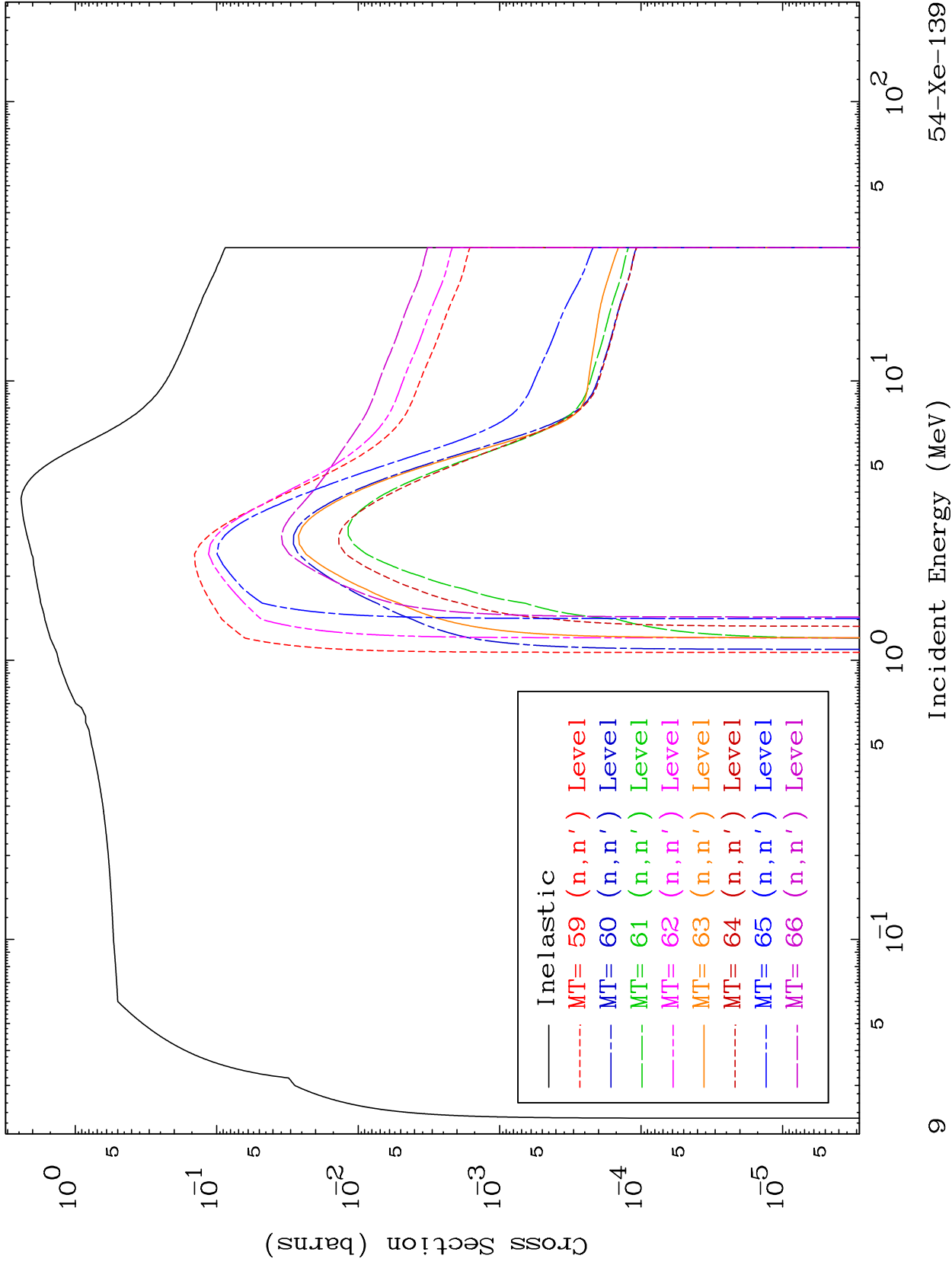
Charged Particle
293 Kelvin Cross Sections

54-Xe-139





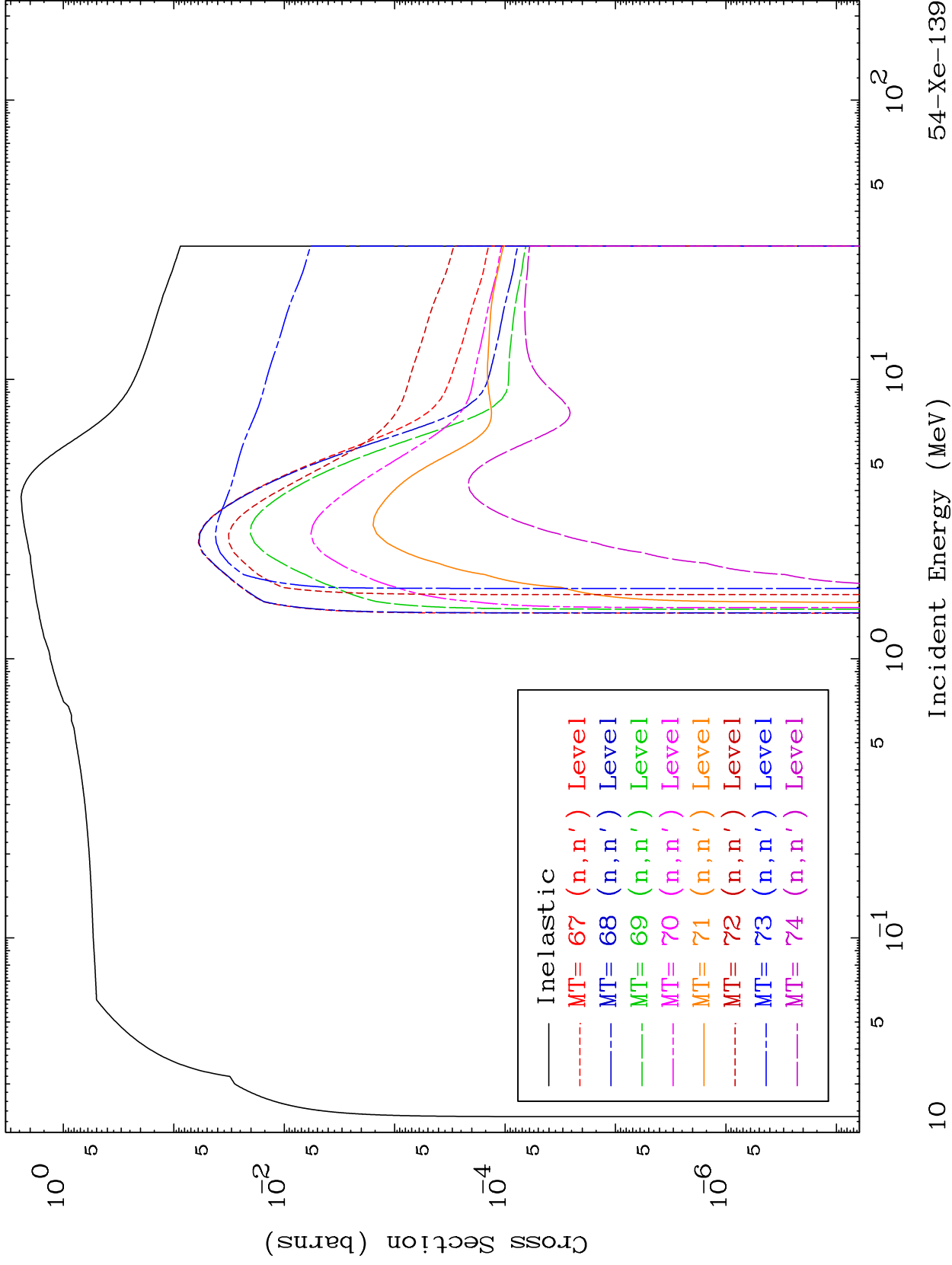




MAT 5470

(n,n') Levels
293 Kelvin Cross Sections

54-Xe-139

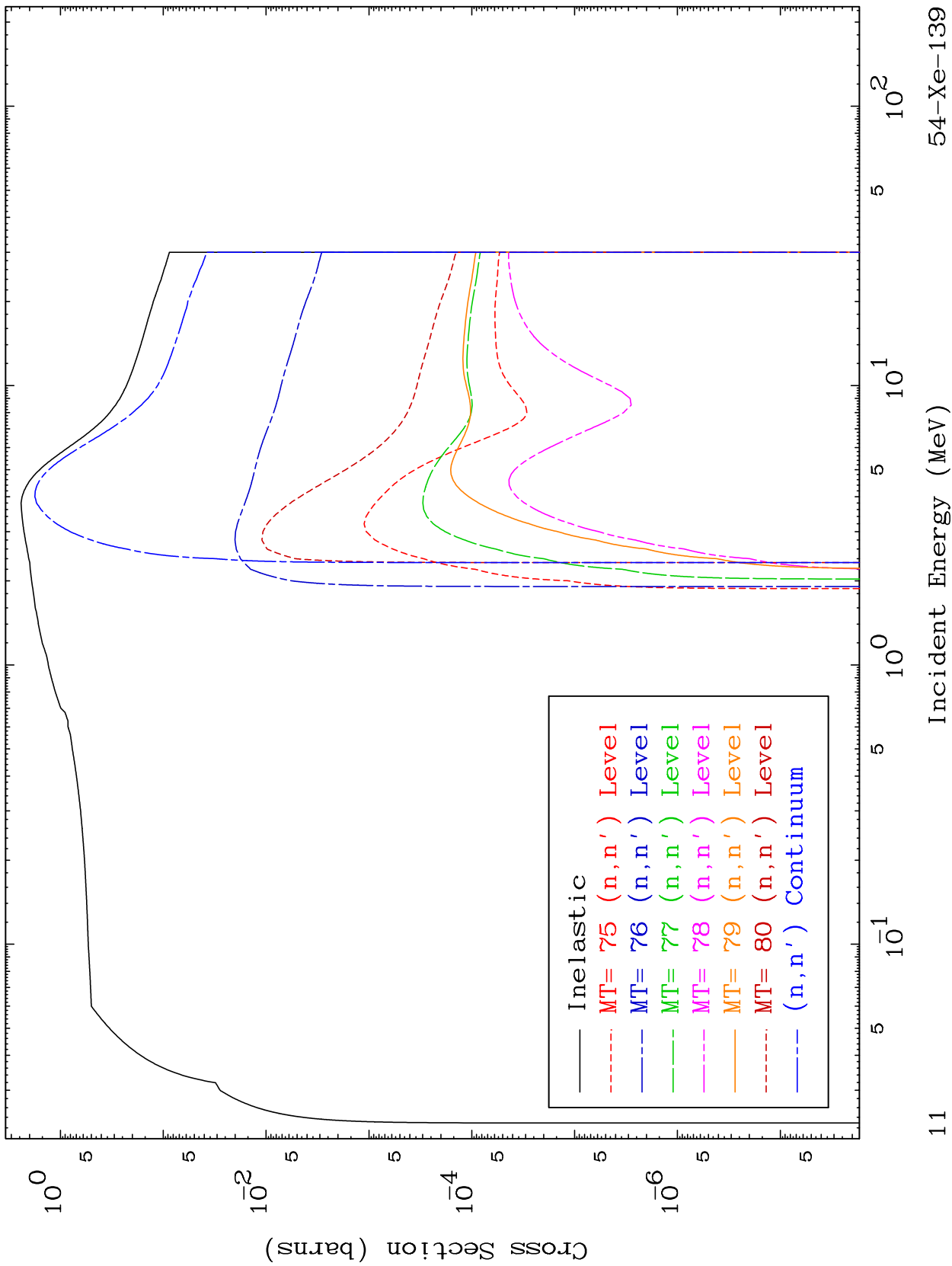


10

Incident Energy (MeV)

54-Xe-139

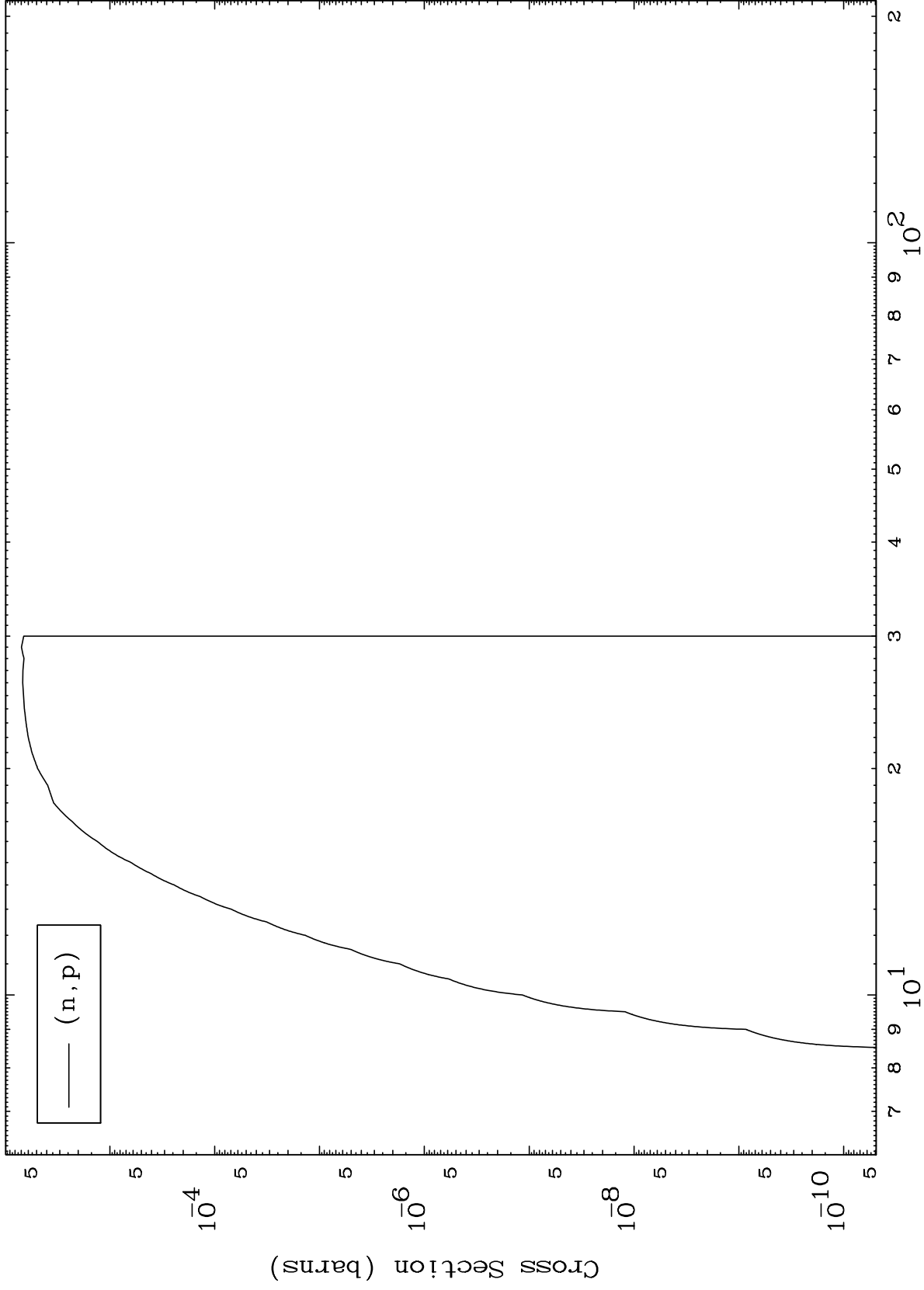
(n,n') Levels
293 Kelvin Cross Sections



MAT 5470

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-139



12

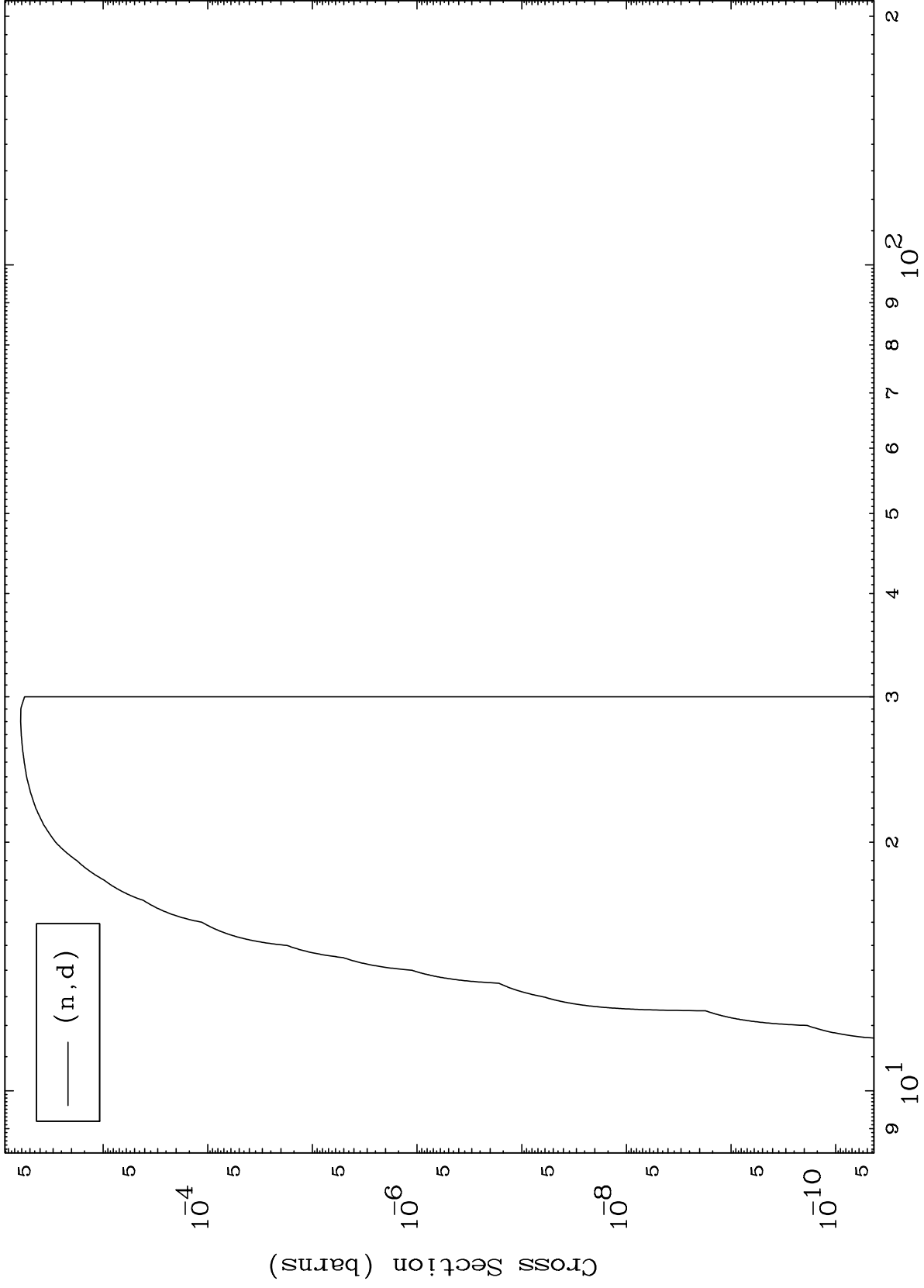
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-139



13

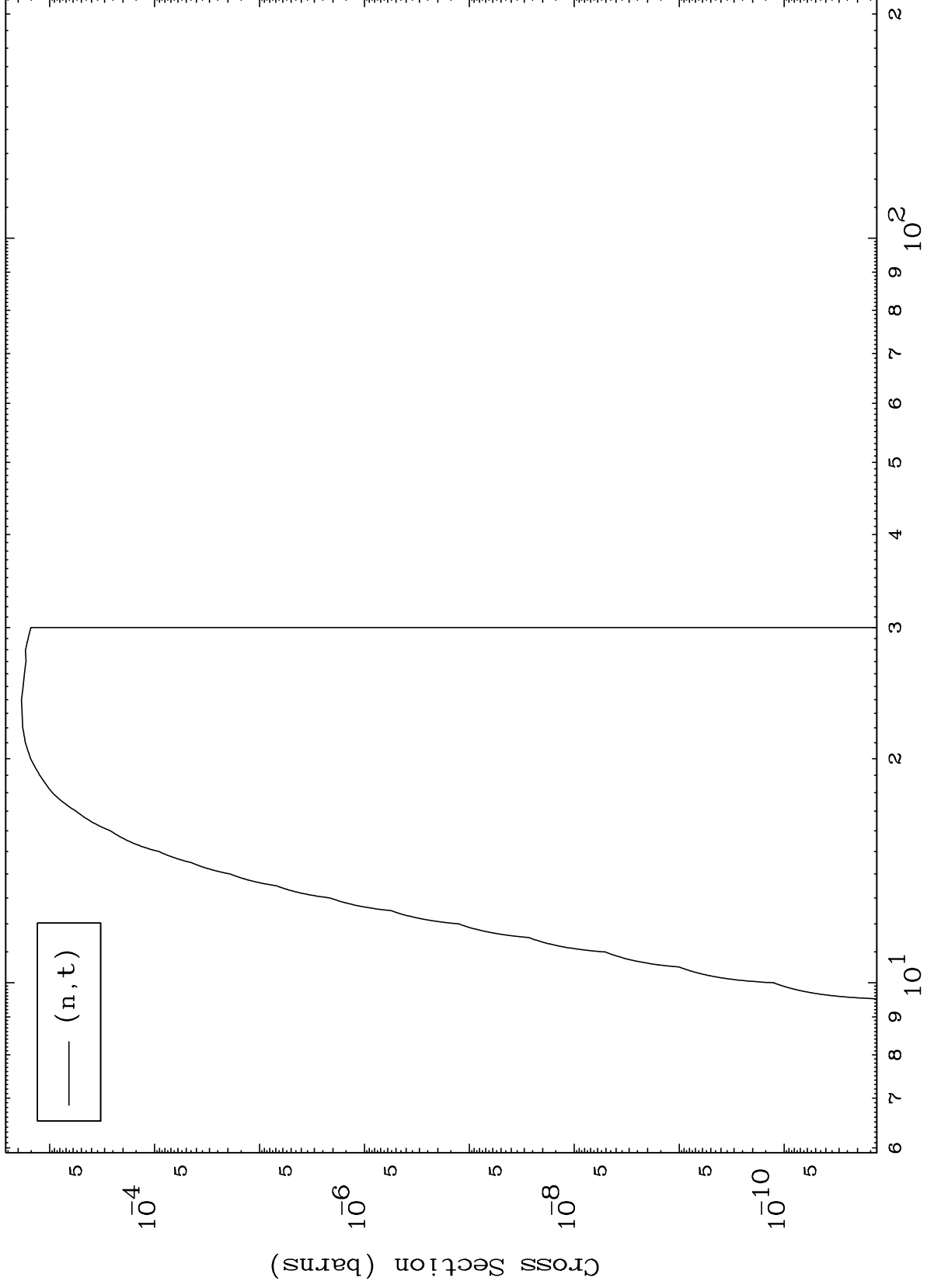
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n,t) Levels
293 Kelvin Cross Sections

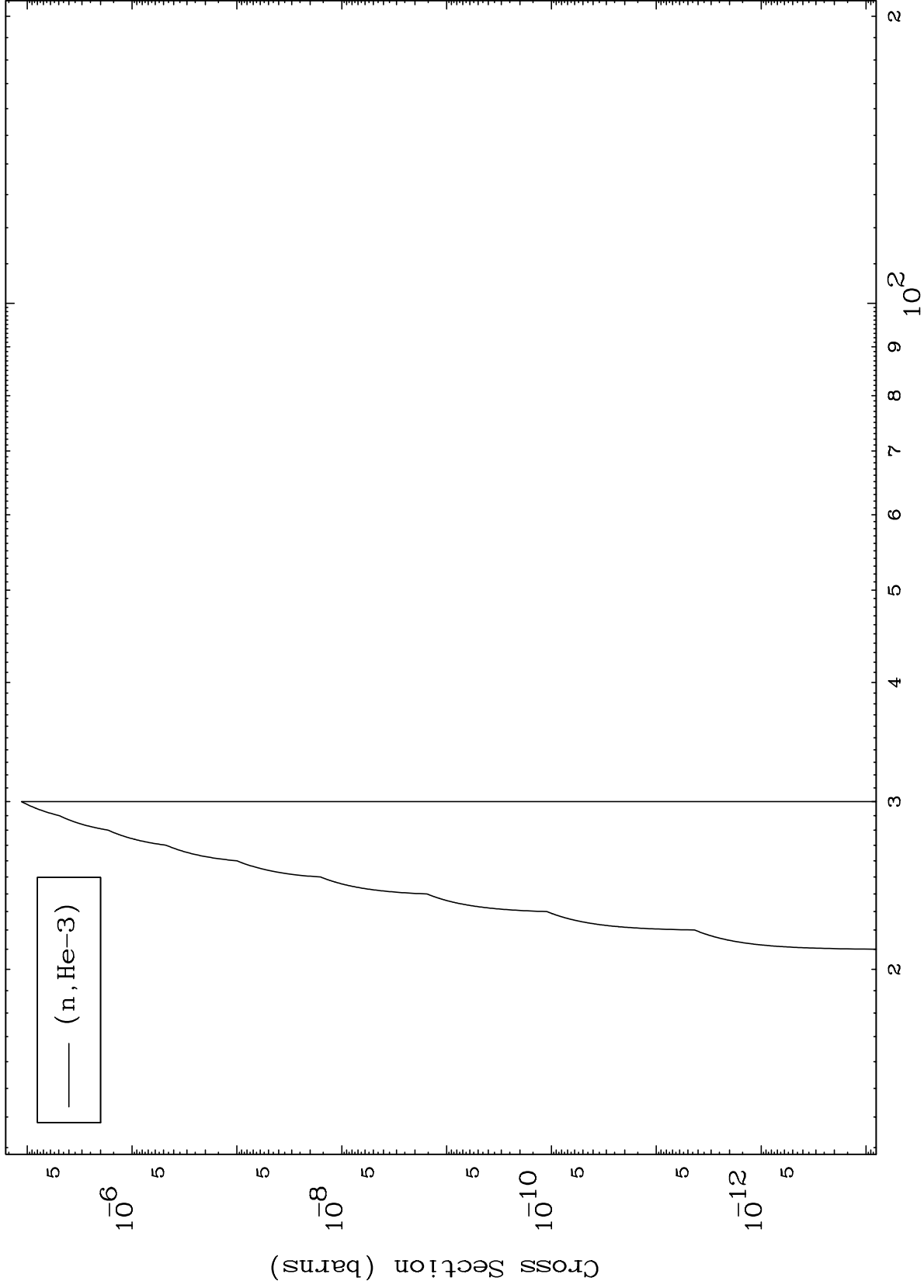
54-Xe-139



14

Incident Energy (MeV)

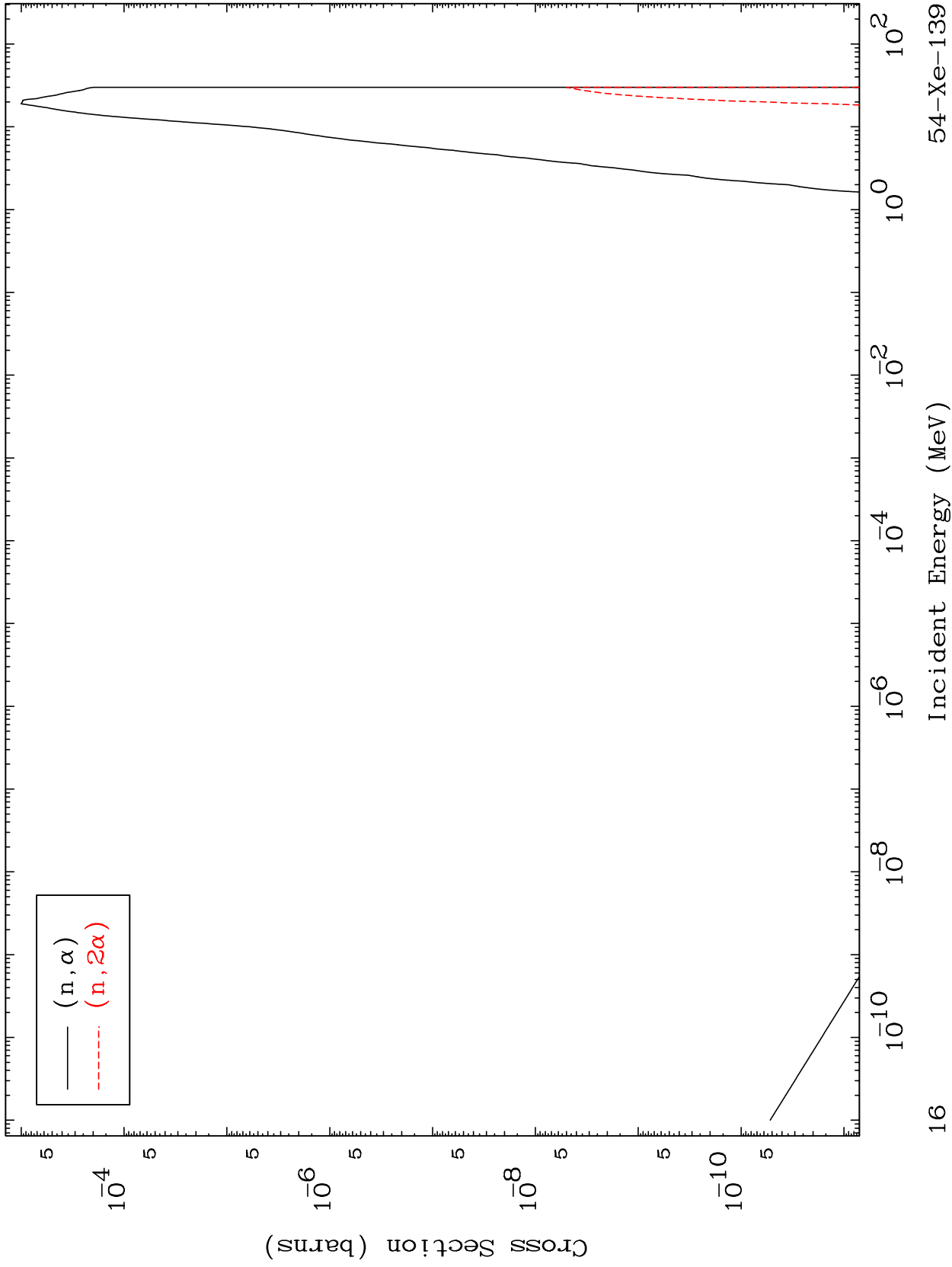
54-Xe-139



MAT 5470

(n, α) Levels
293 Kelvin Cross Sections

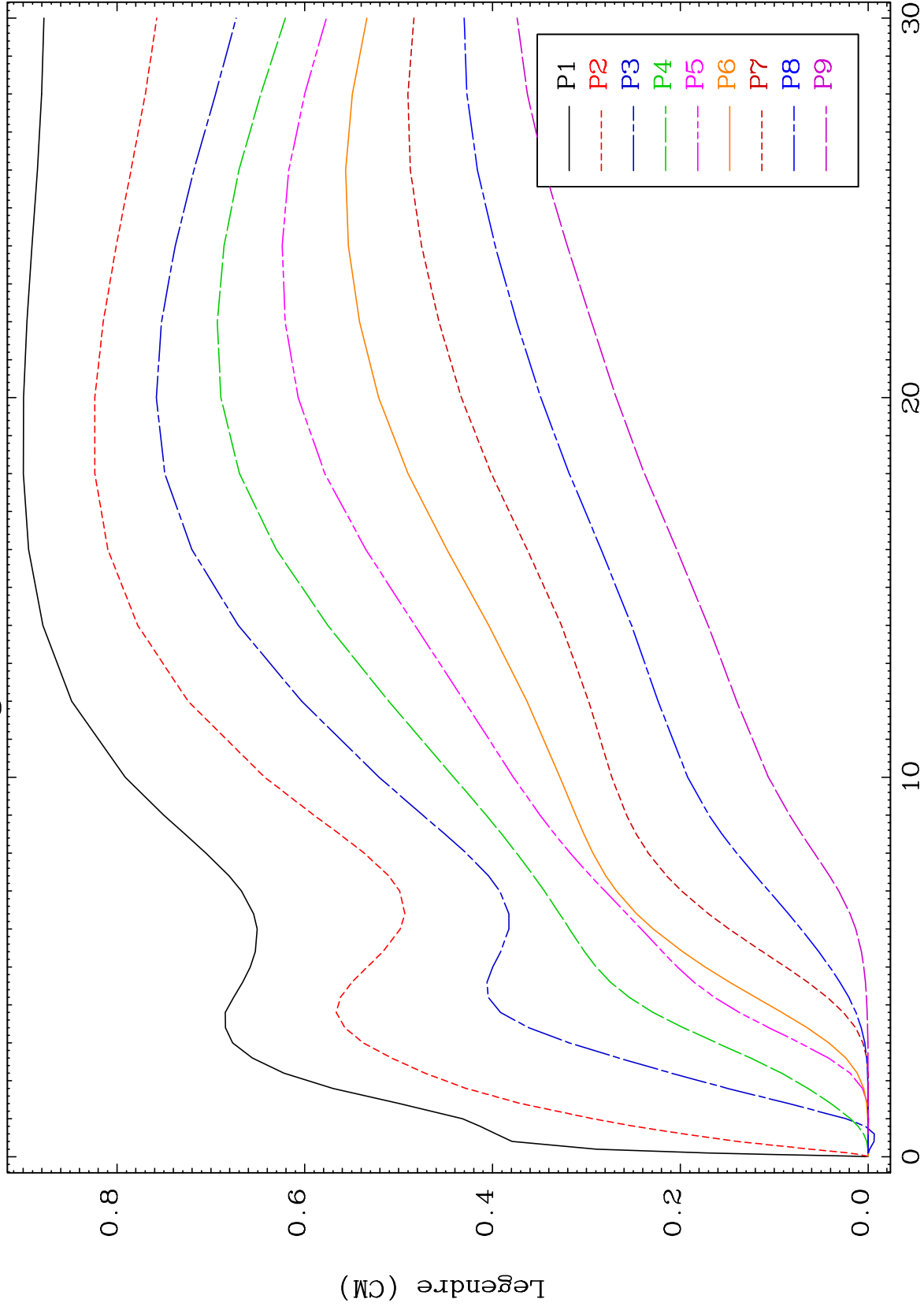
54-Xe-139



MAT 5470

Elastic Legendre Coefficients

54-Xe-139



17

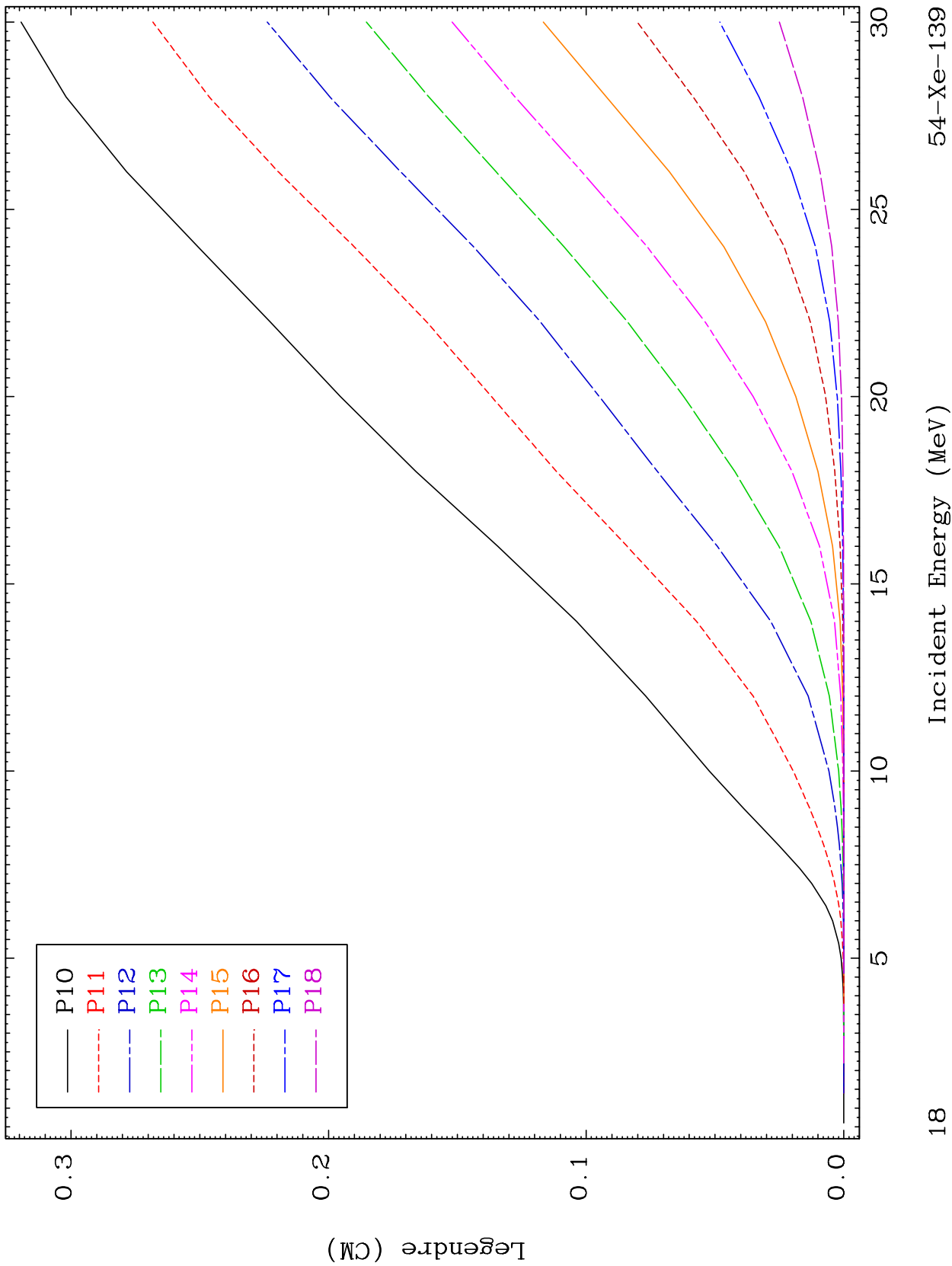
Incident Energy (MeV)

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



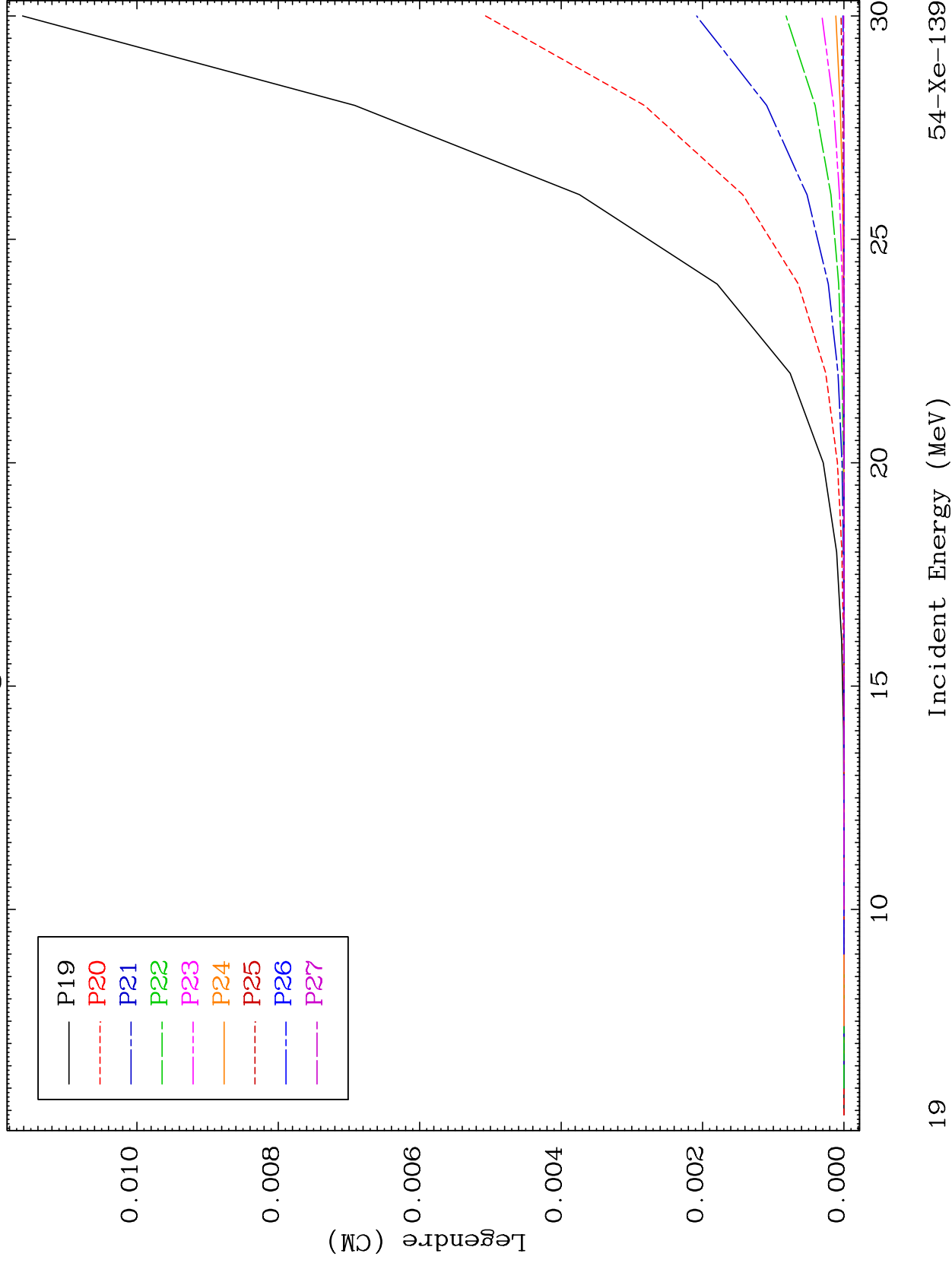
18

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



19

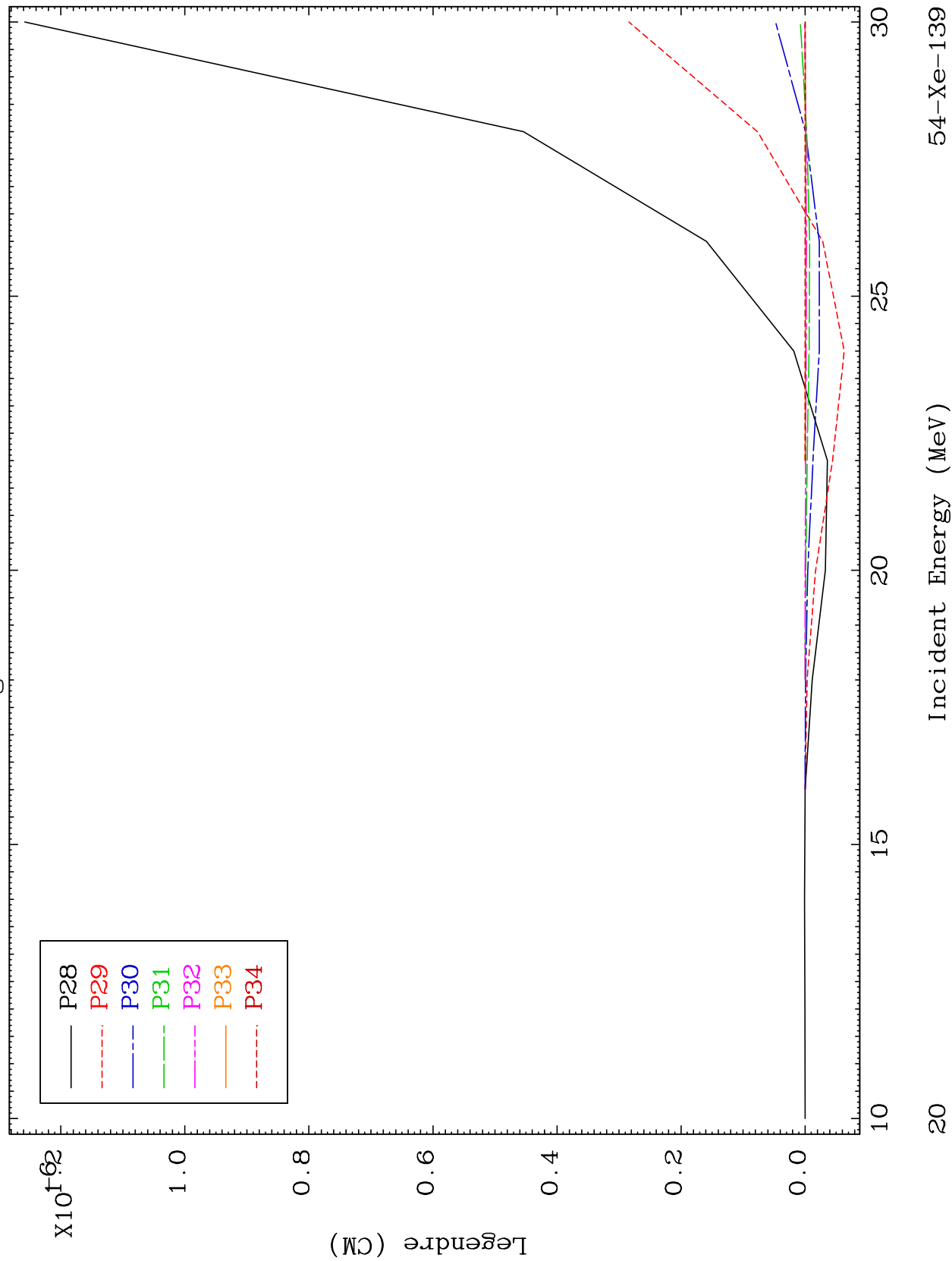
Incident Energy (MeV)

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

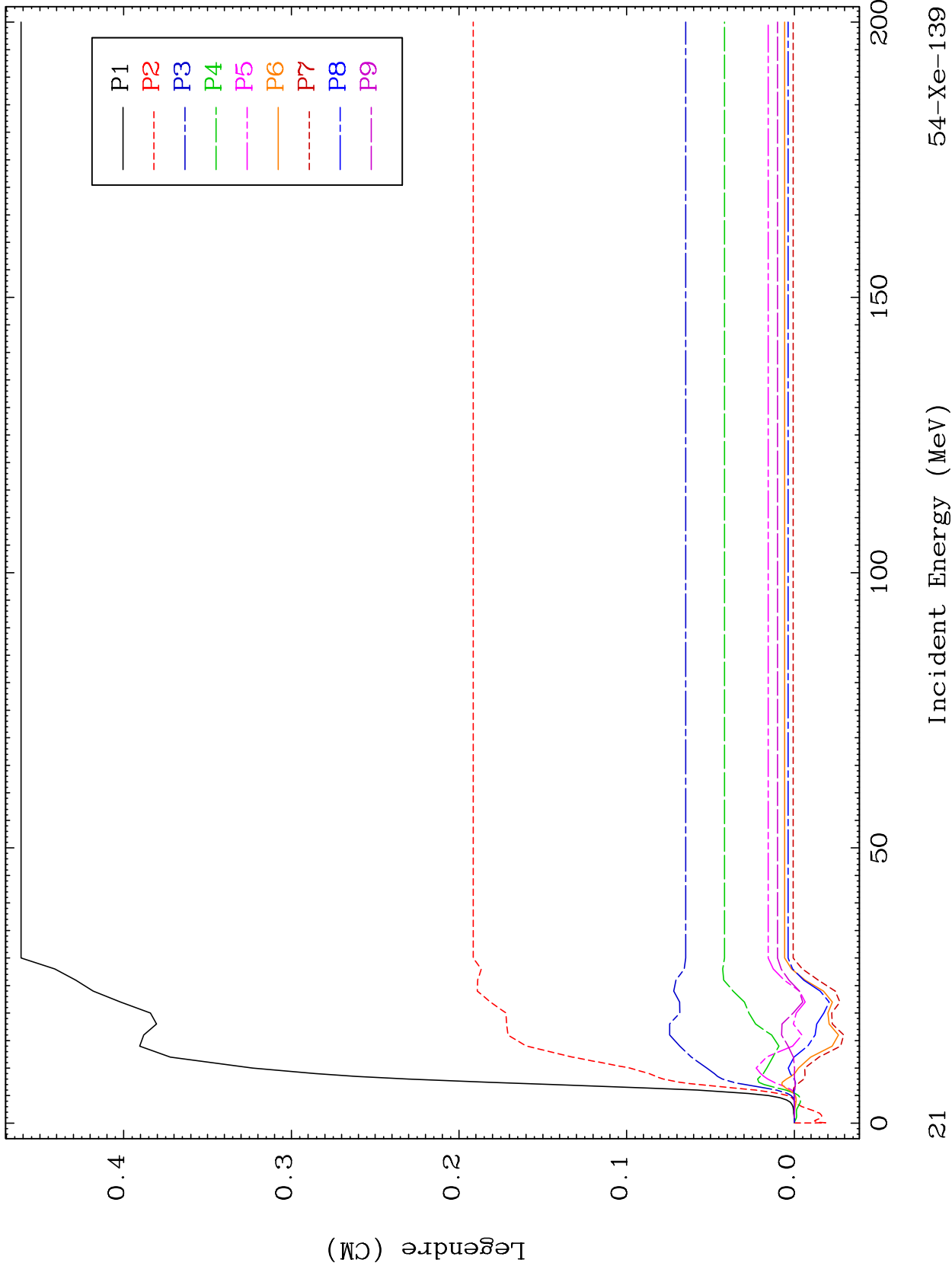
54-Xe-139



MAT 5470

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

54-Xe-139



21

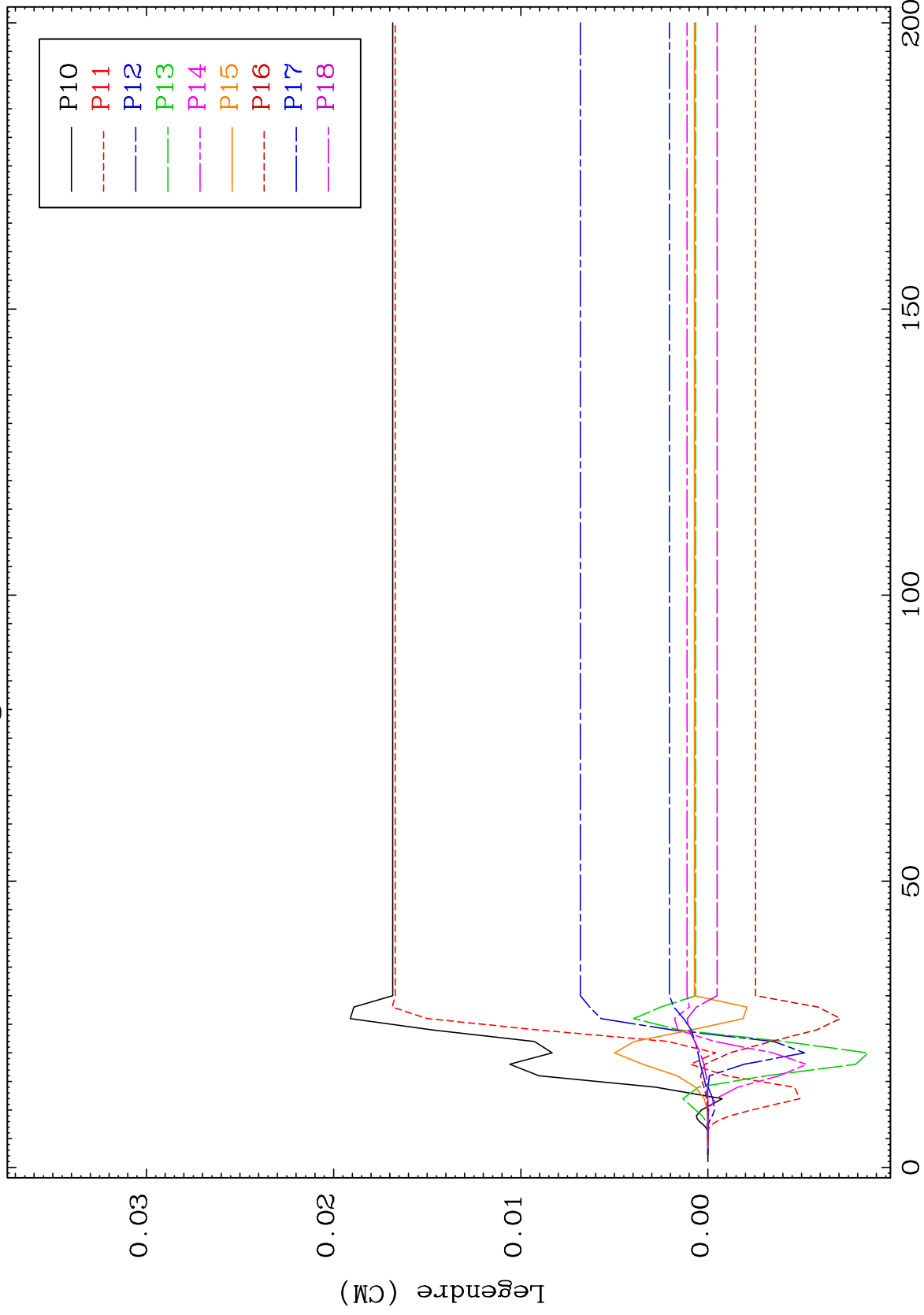
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



22

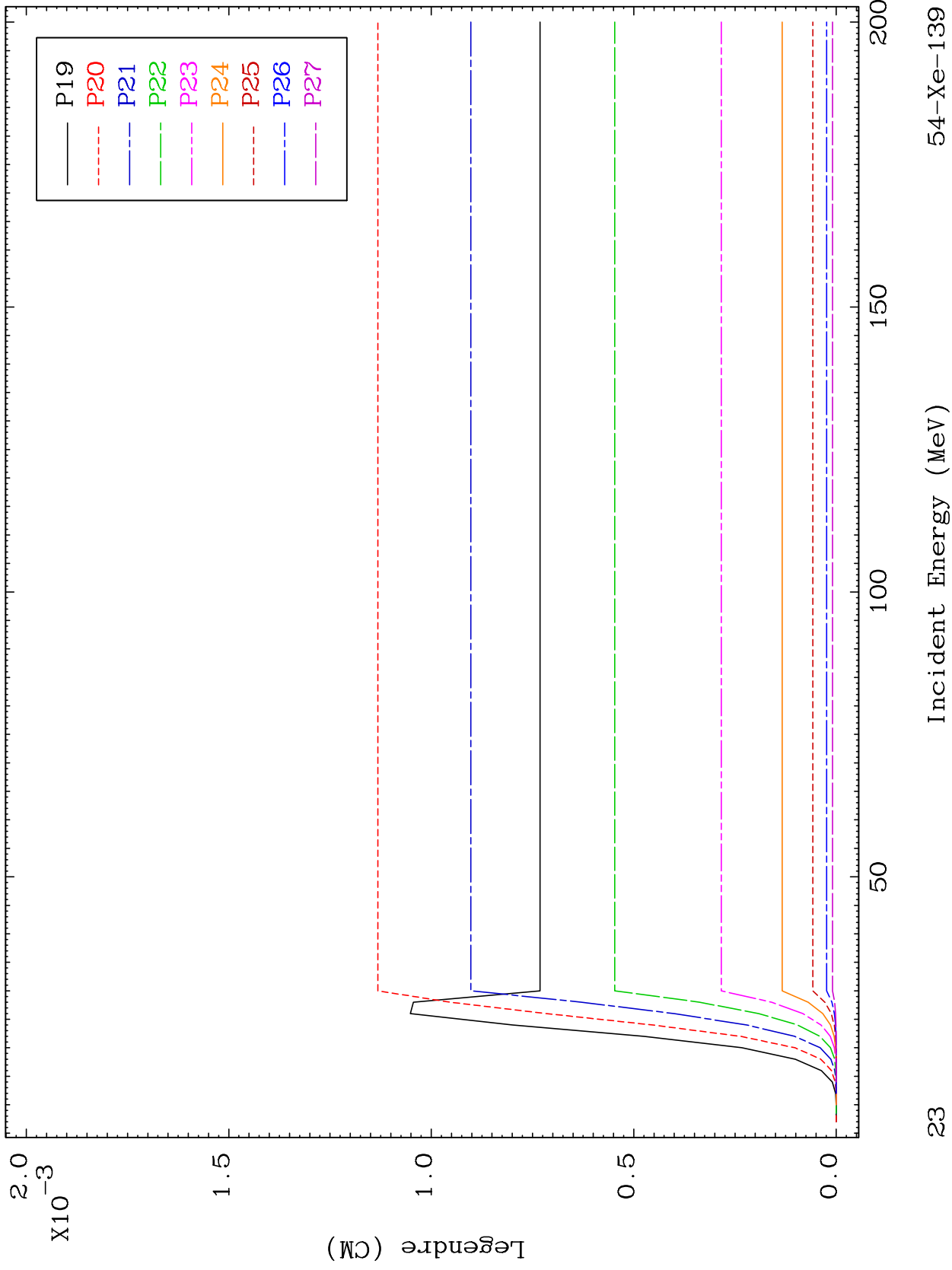
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



23

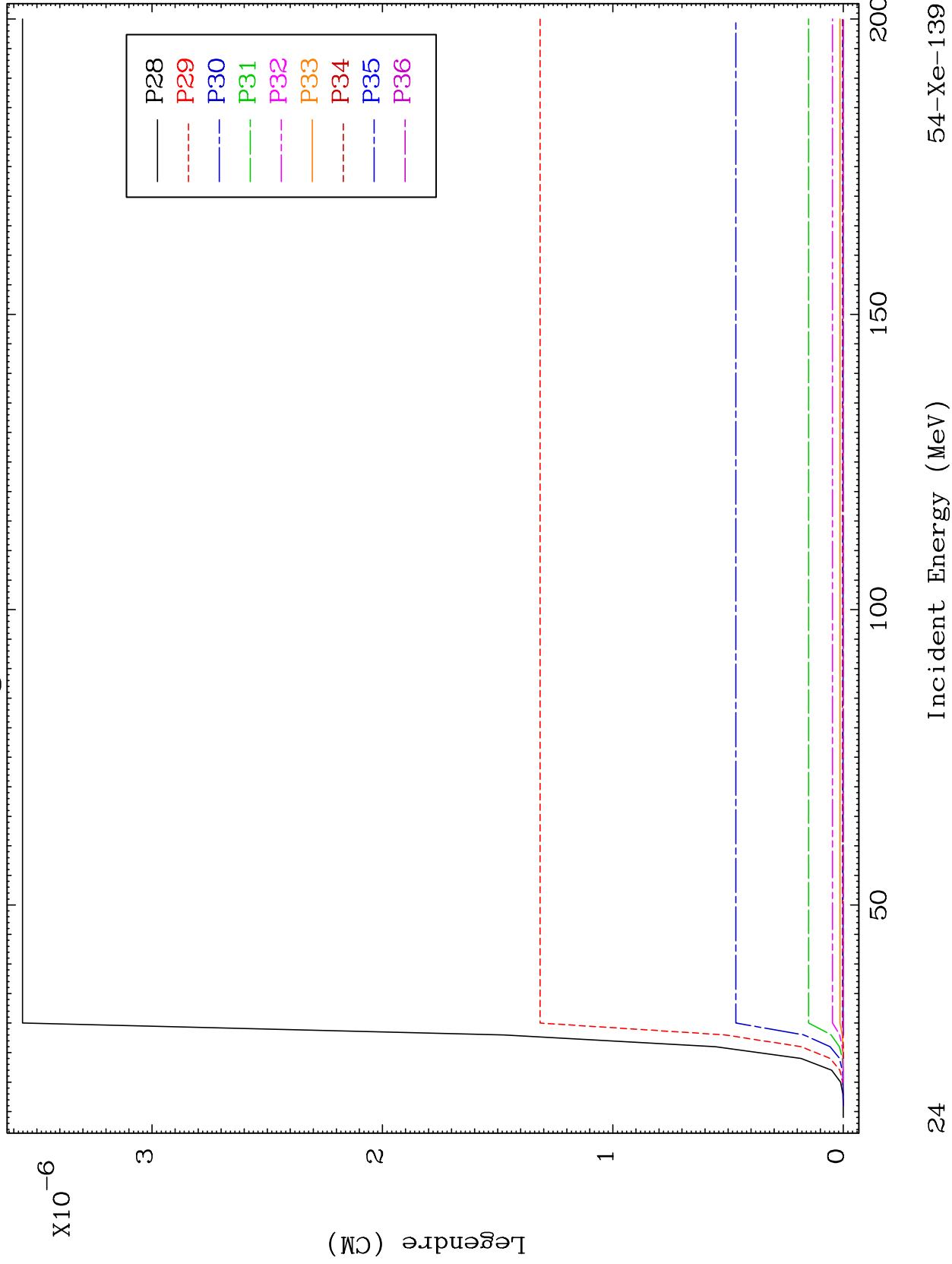
Incident Energy (MeV)

54-Xe-139

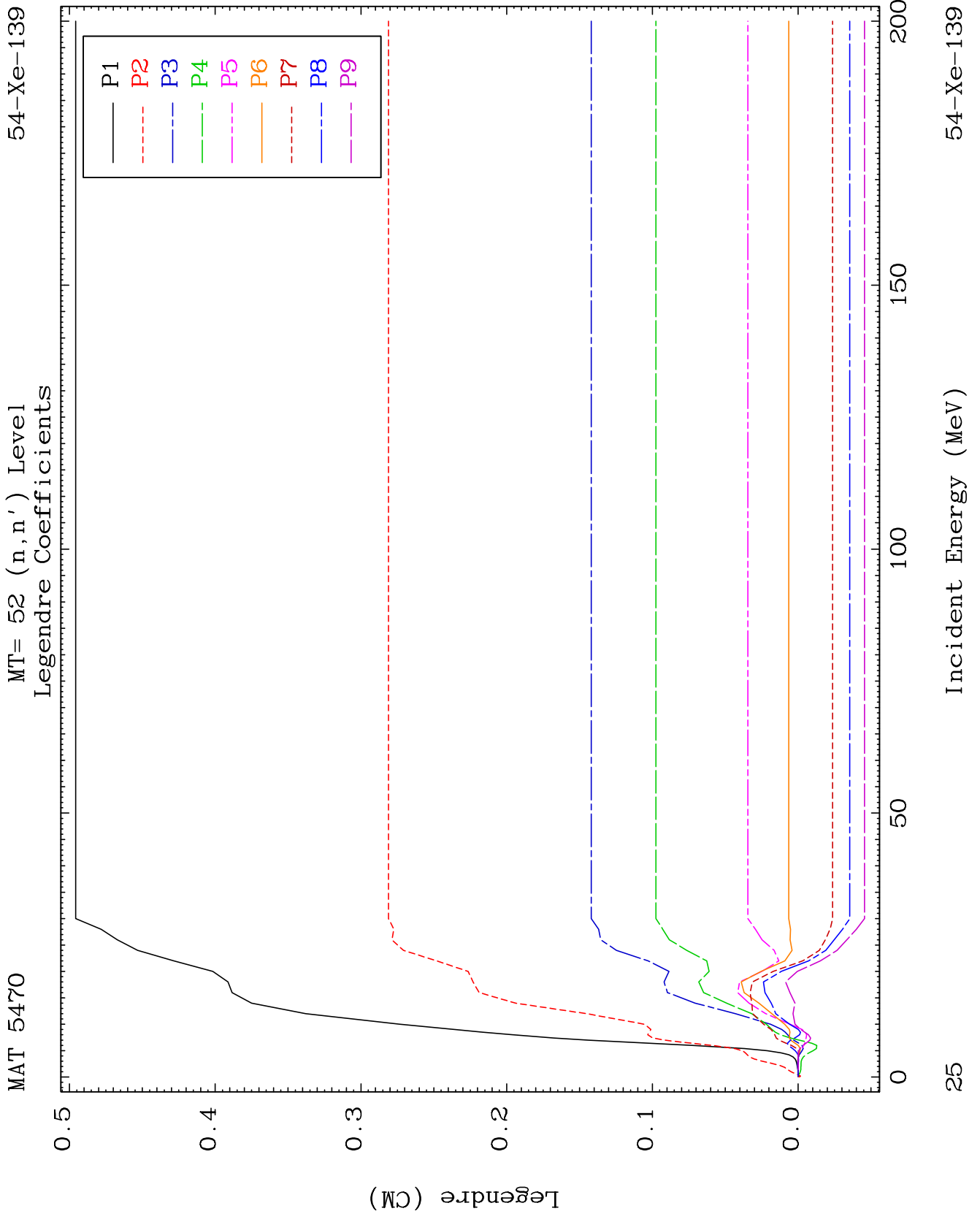
MAT 5470

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

54-Xe-139



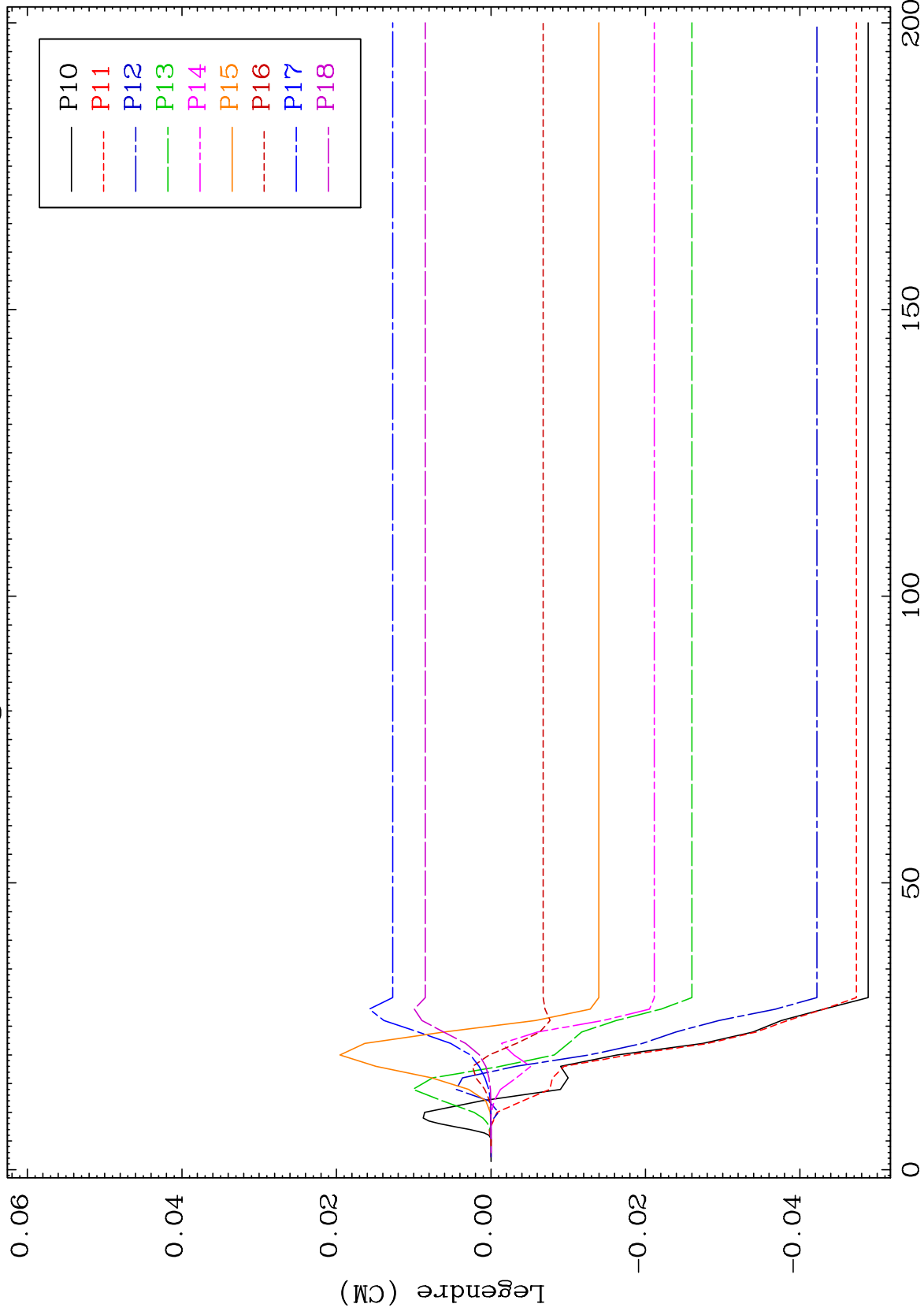
24



MAT 5470

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

54-Xe-139



26

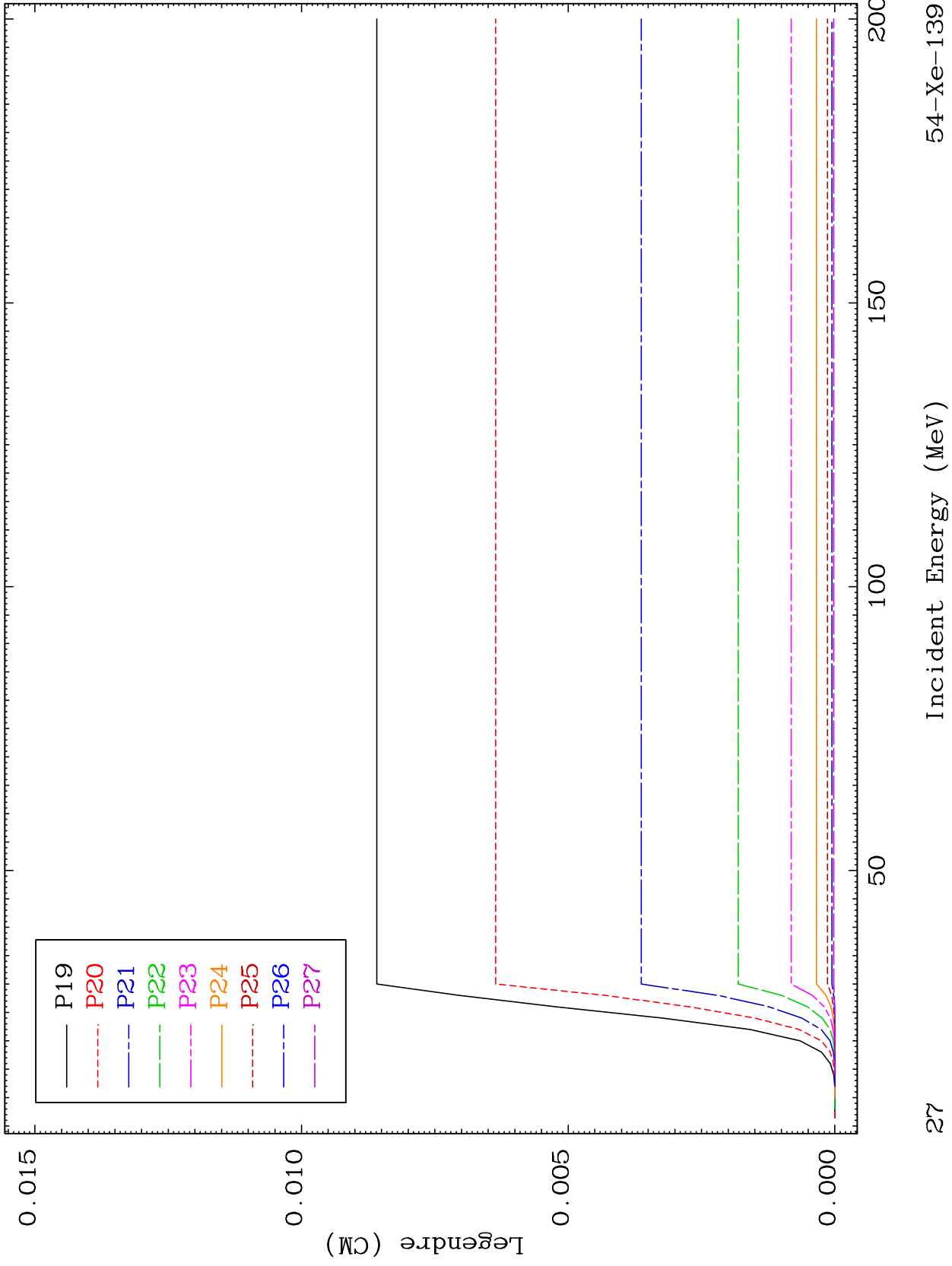
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



27

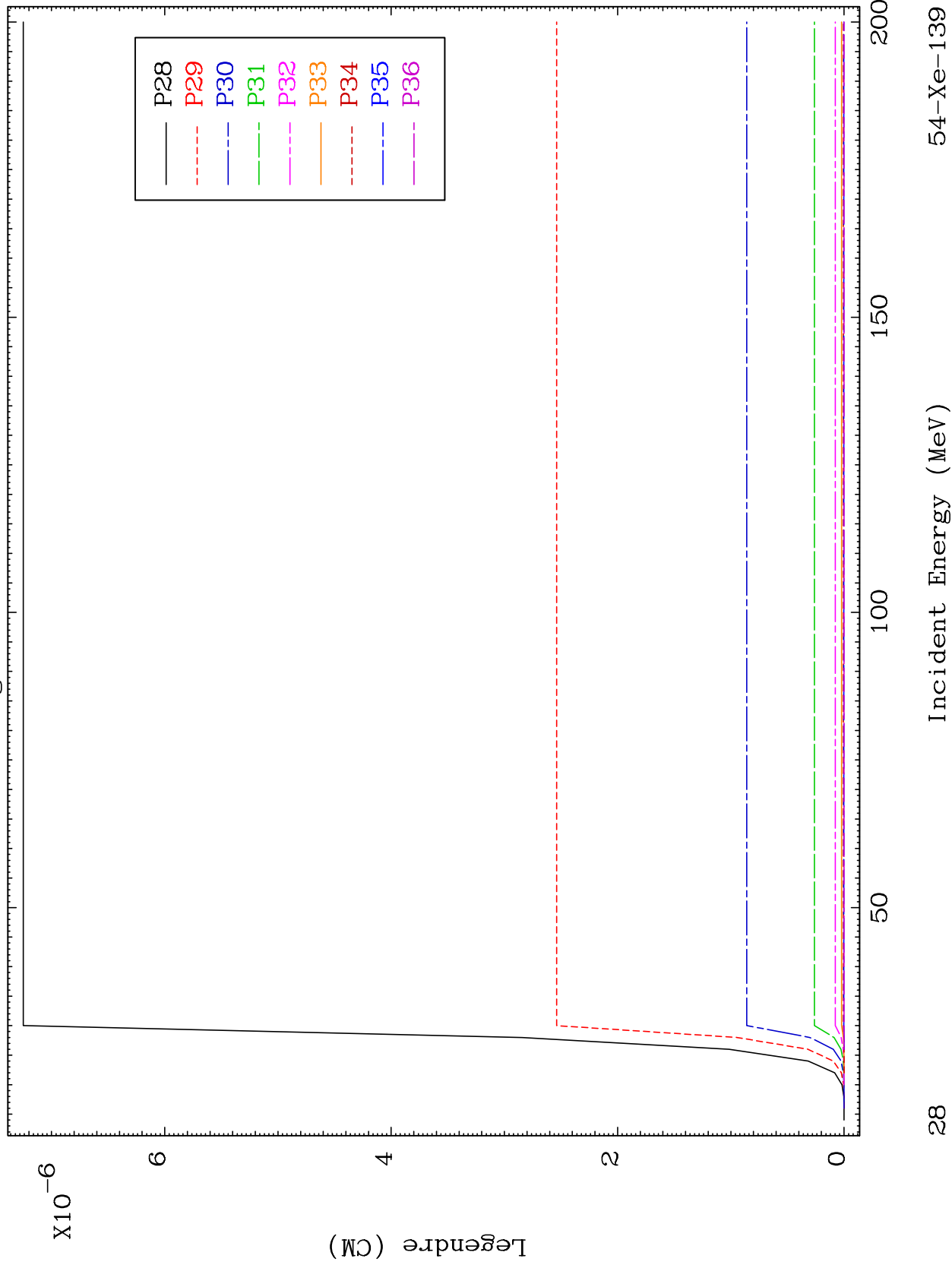
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



28

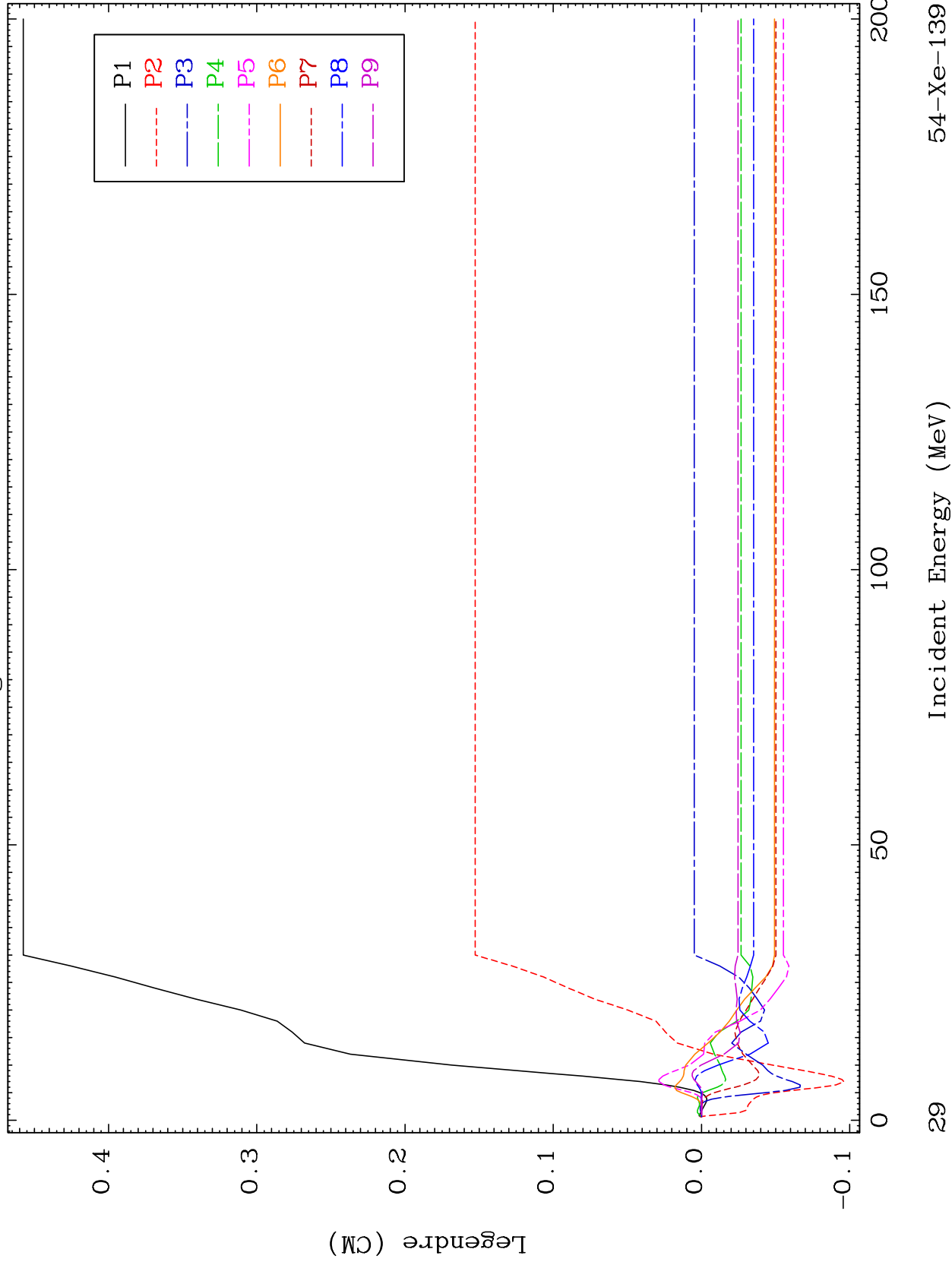
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

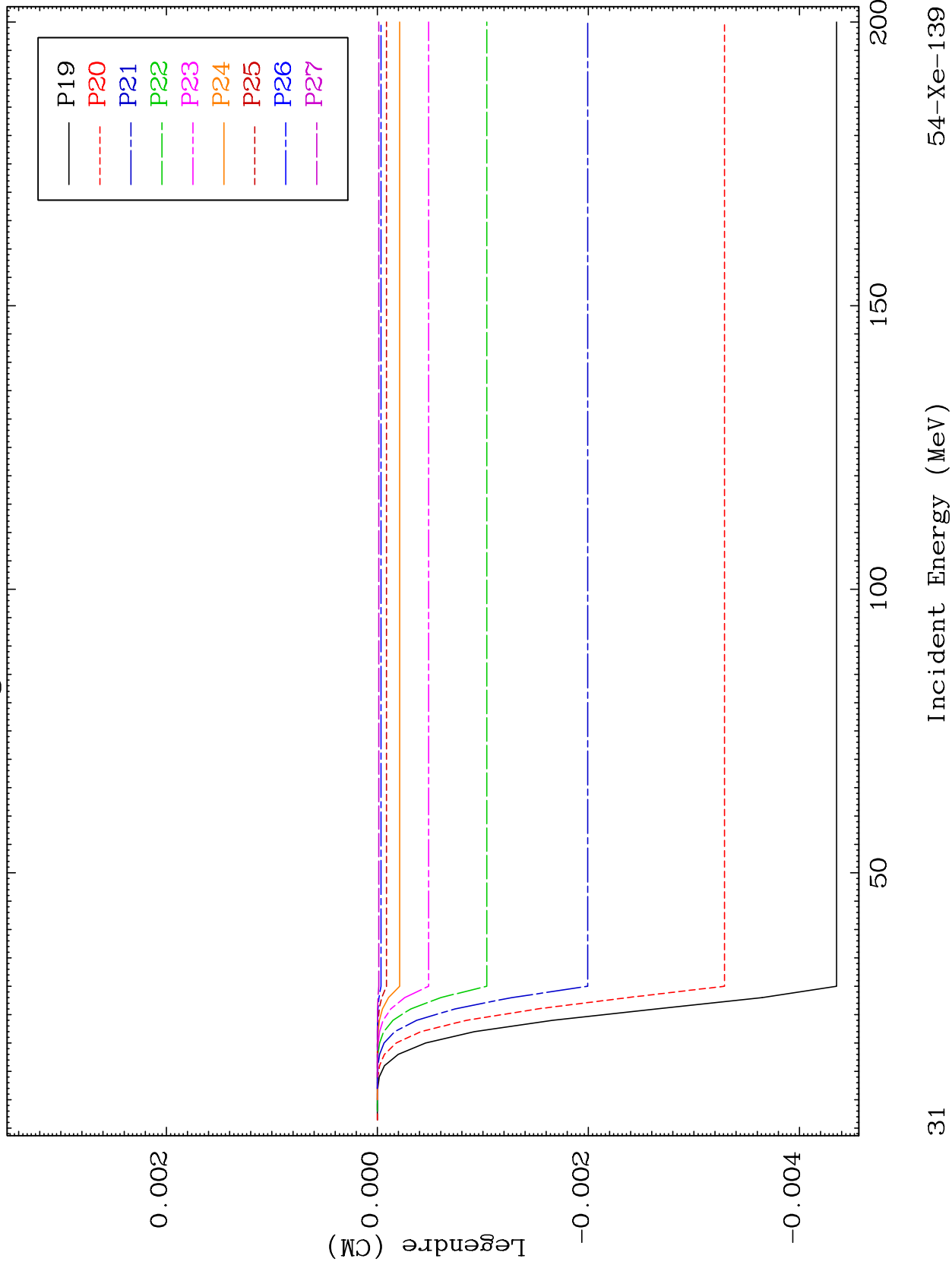
Incident Energy (MeV)

29

MAT 5470

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

54-Xe-139



31

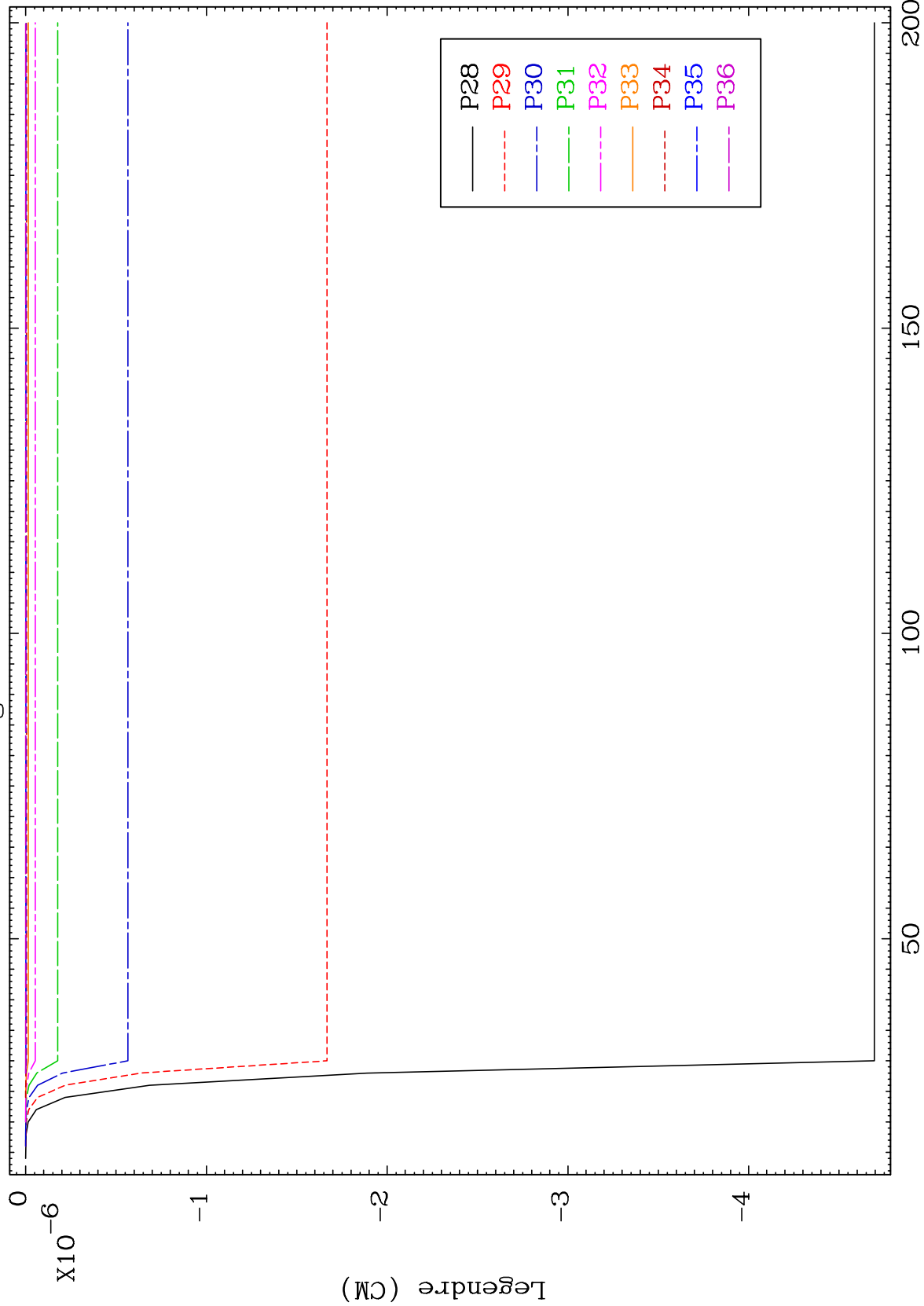
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



32

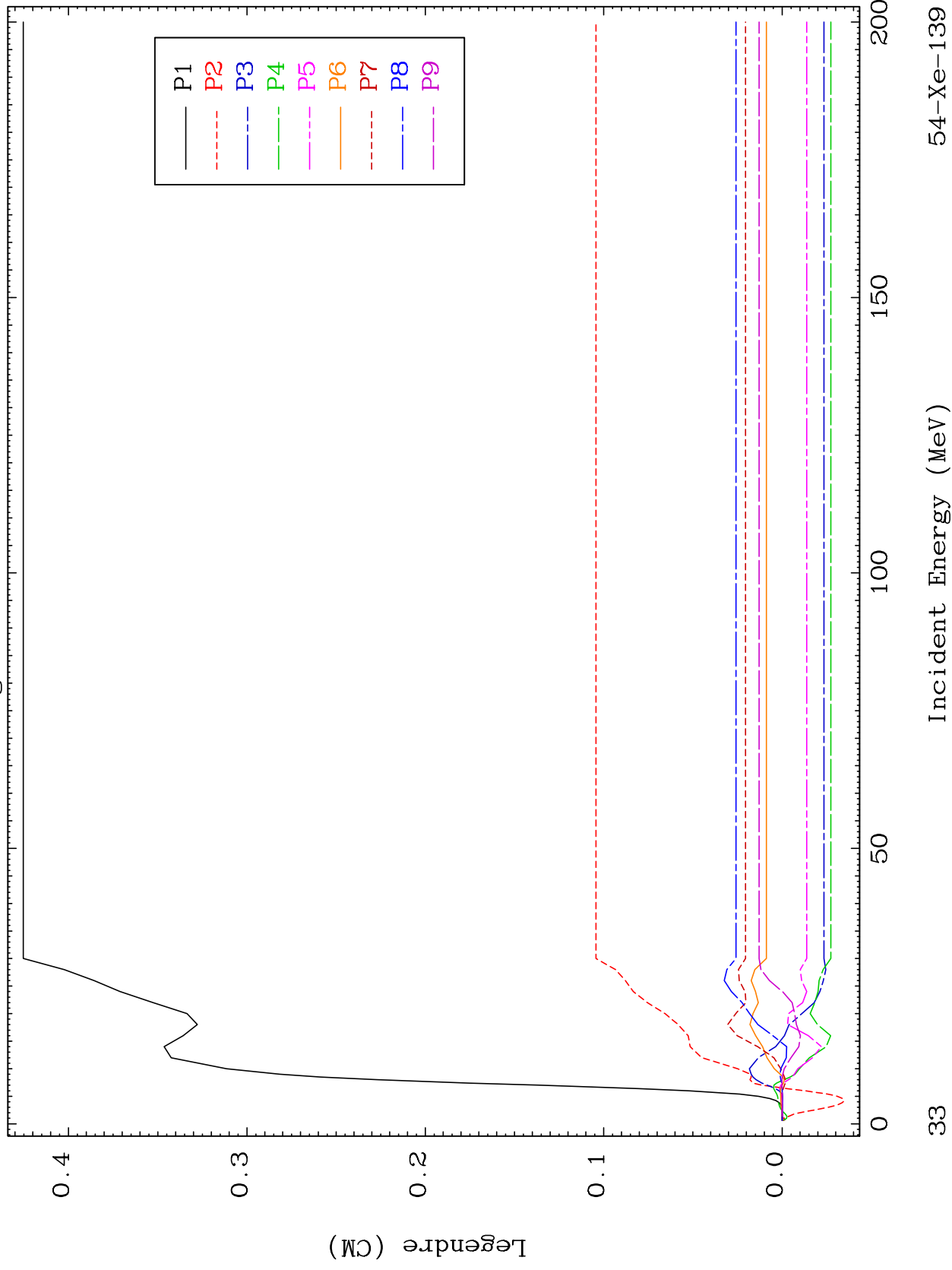
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



33

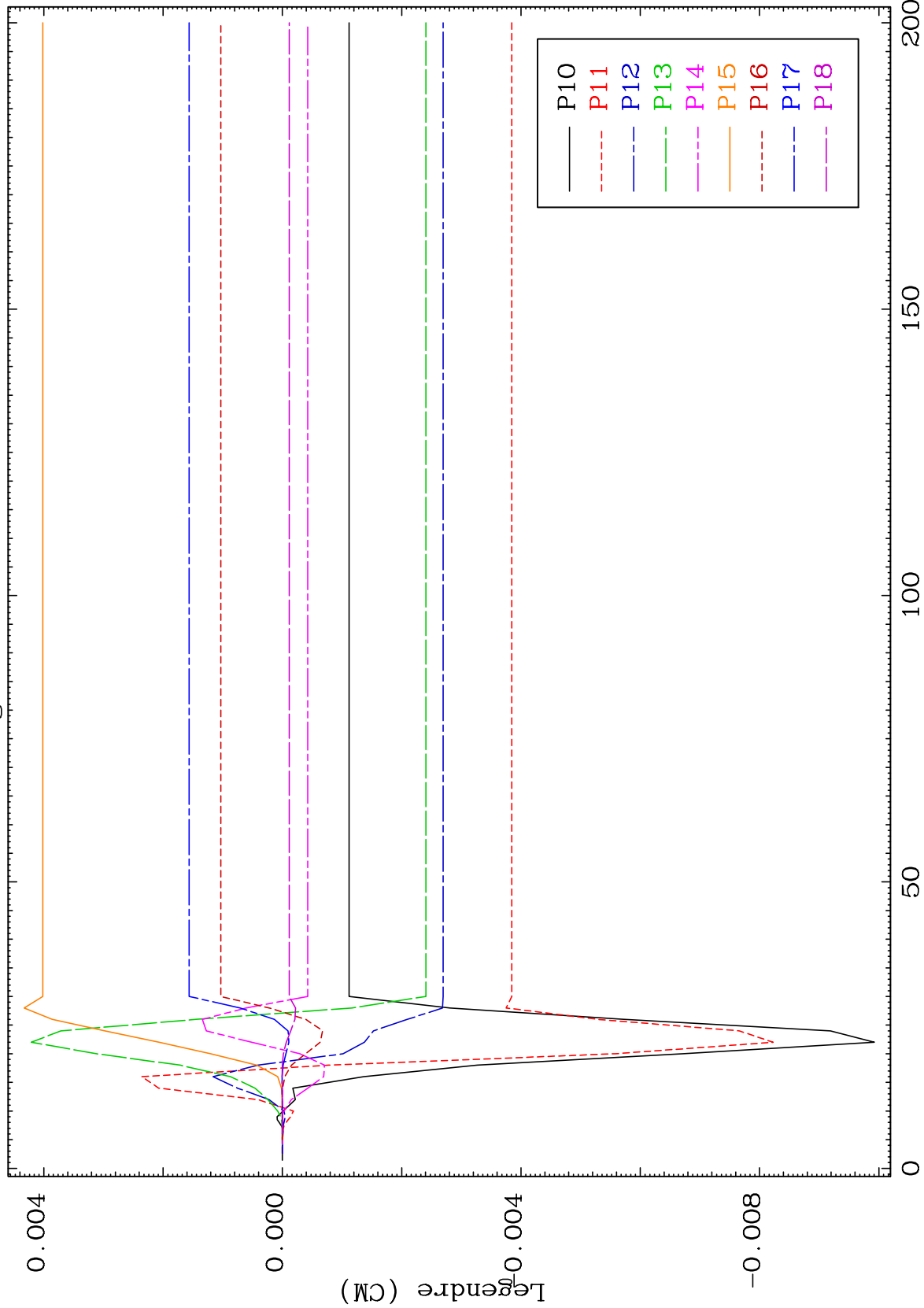
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



34

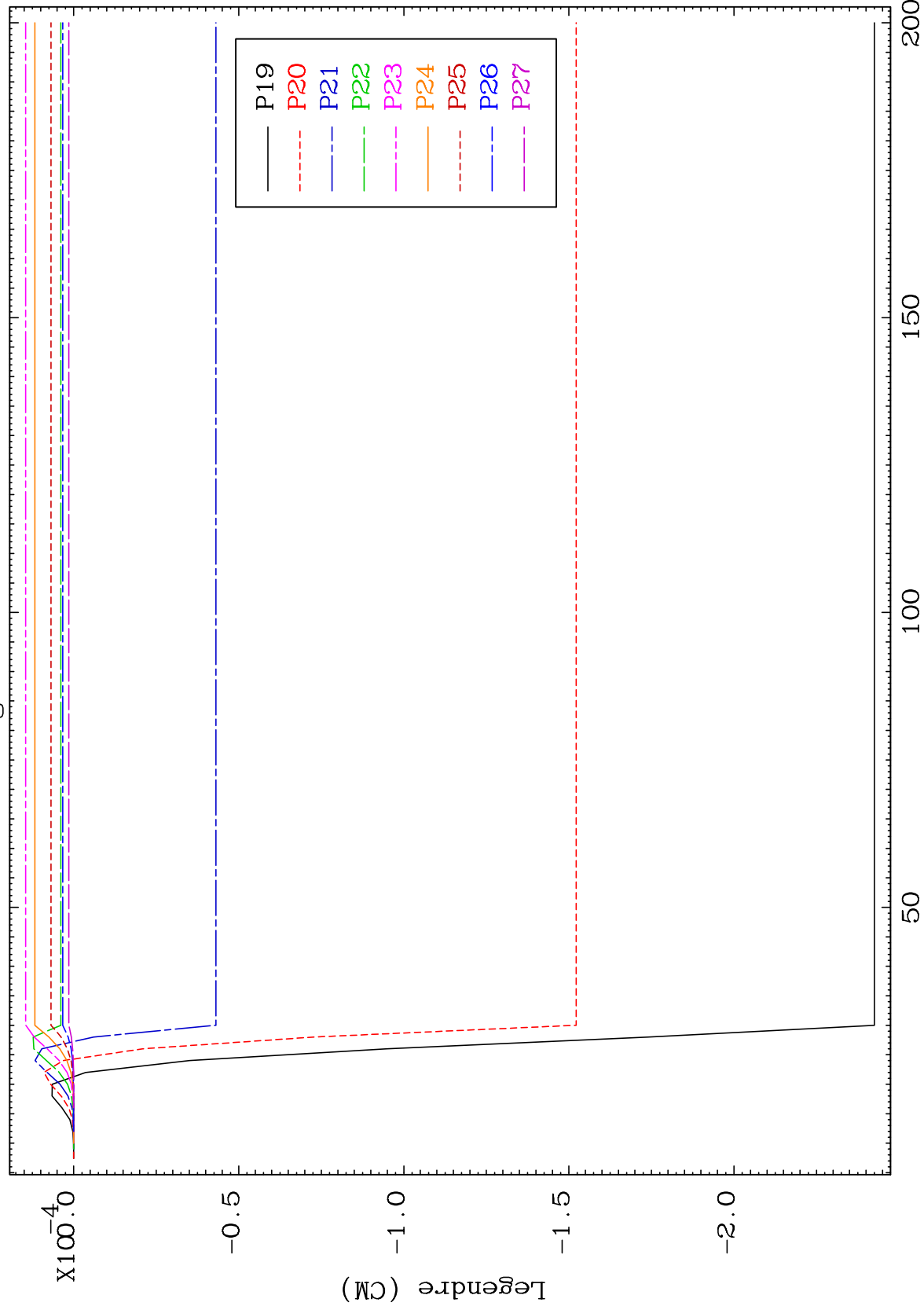
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

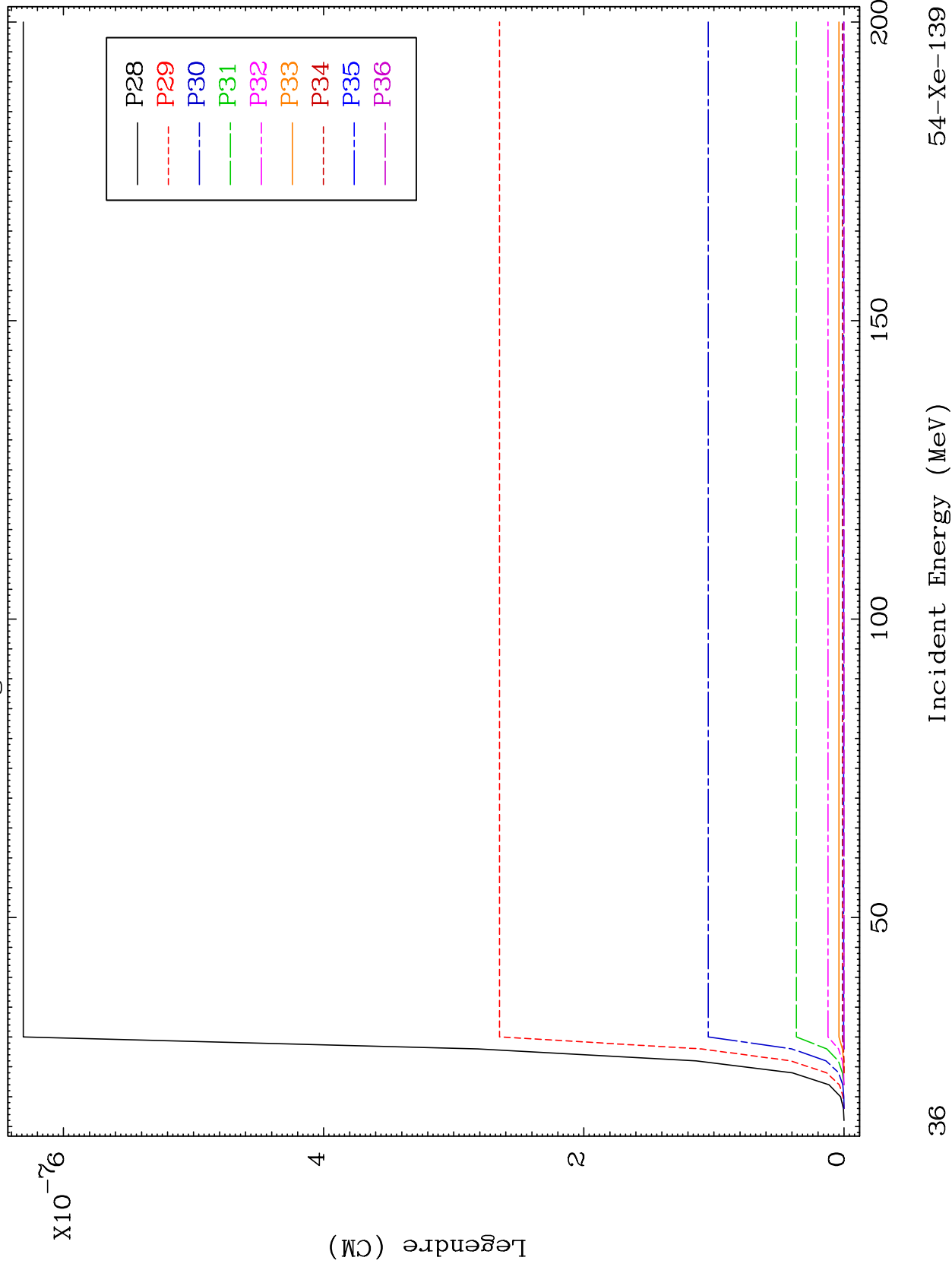
Incident Energy (MeV)

35

MAT 5470

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

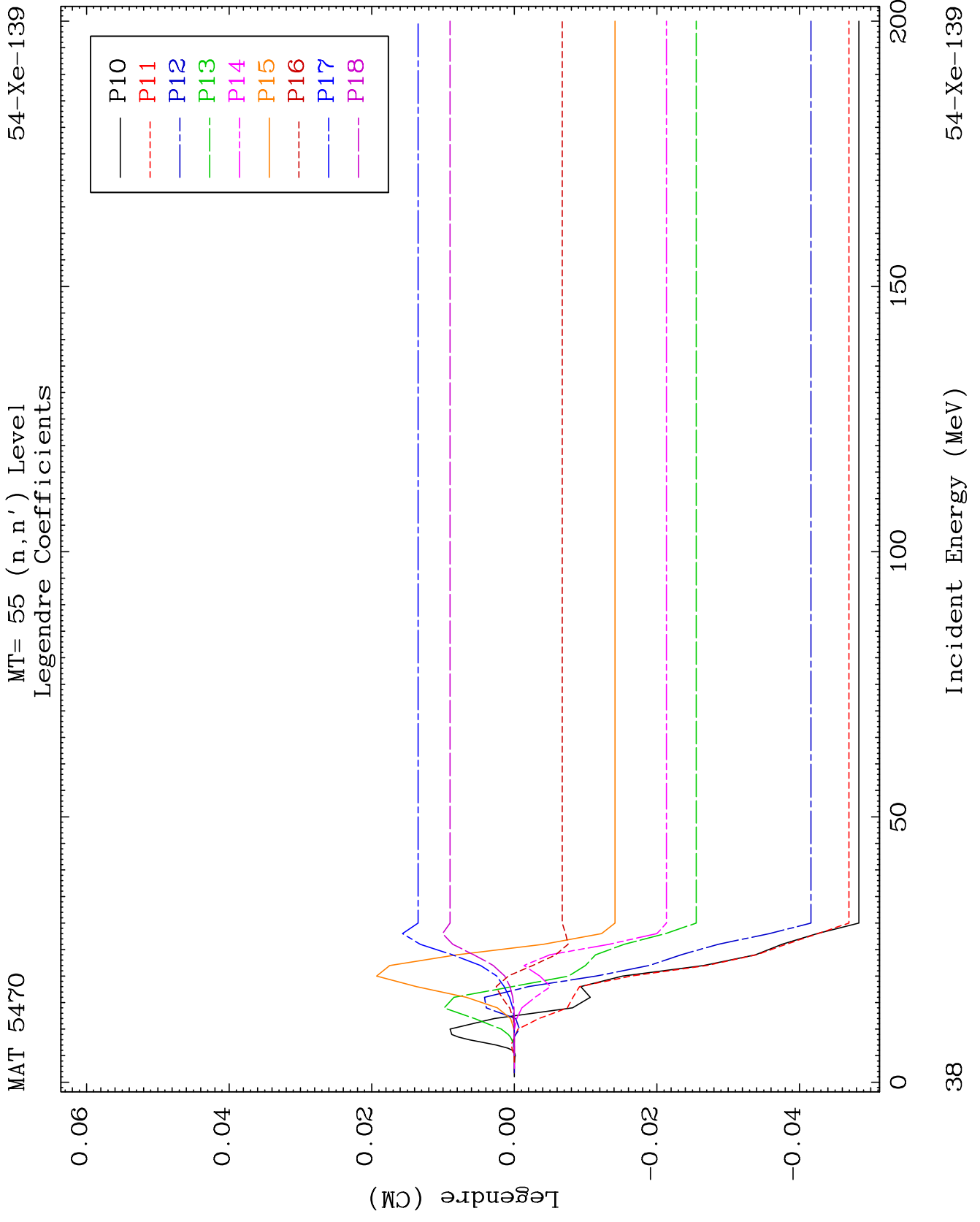
54-Xe-139



36

Incident Energy (MeV)

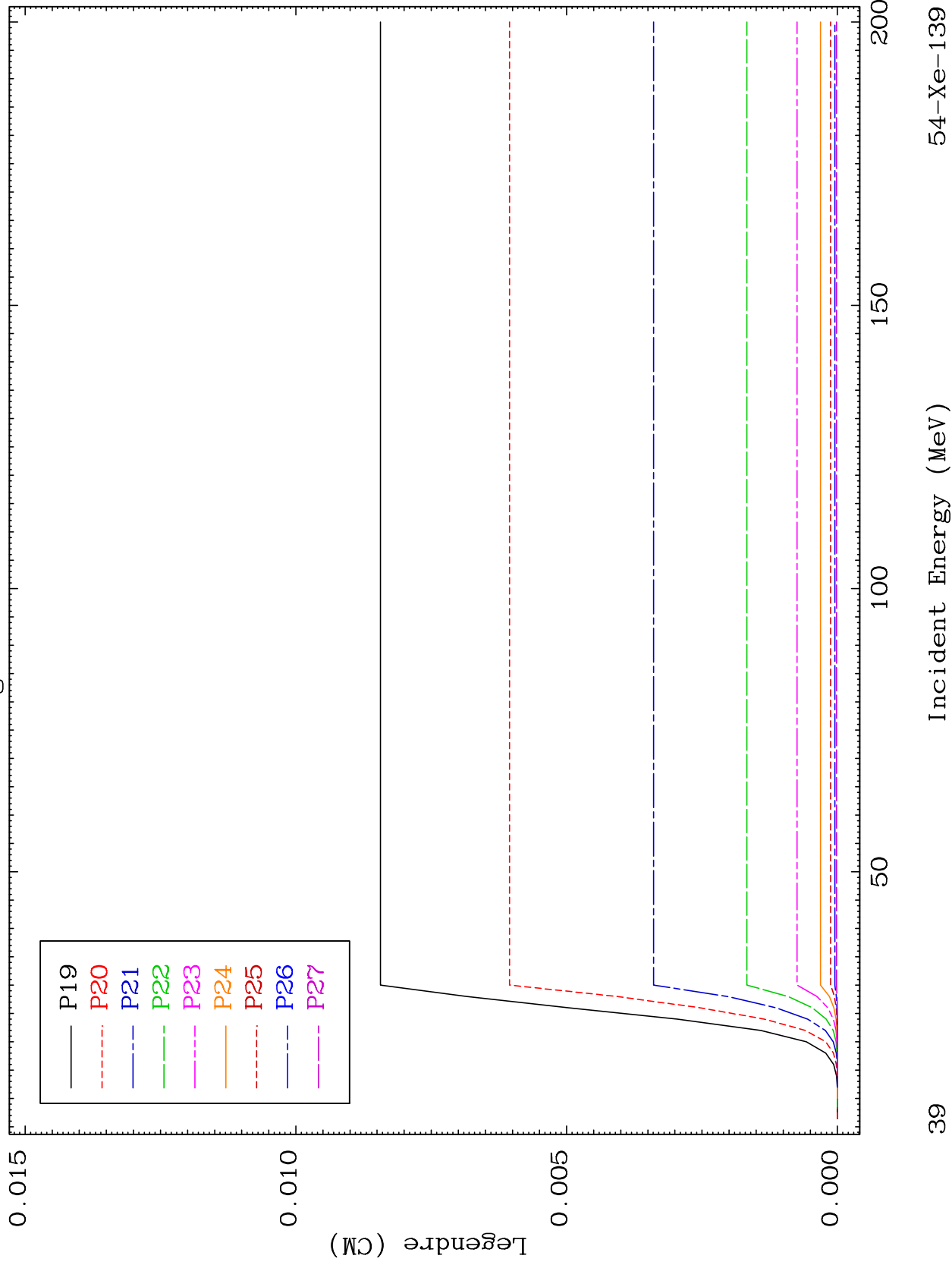
54-Xe-139



MAT 5470

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

54-Xe-139



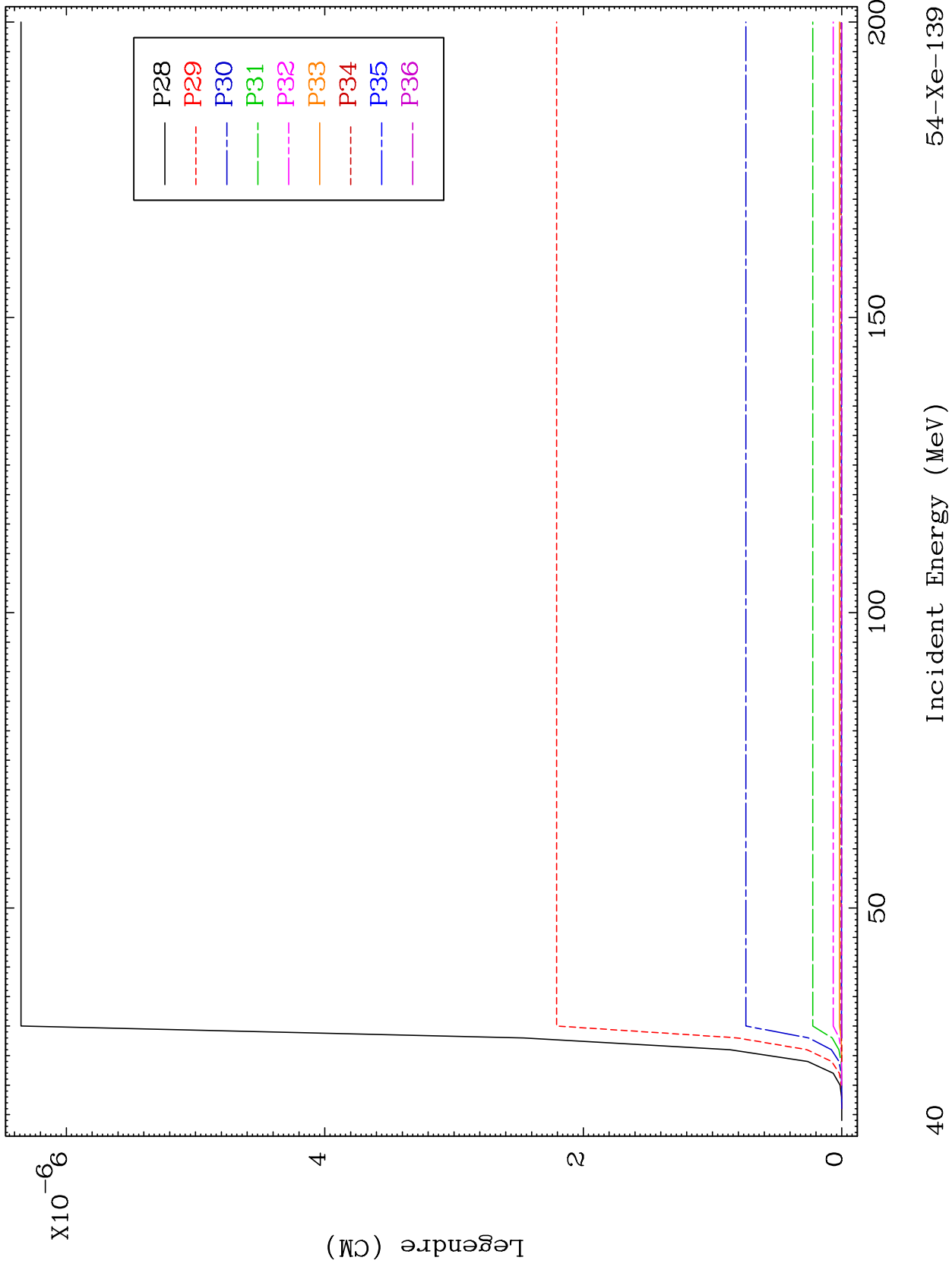
39

54-Xe-139

MAT 5470

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

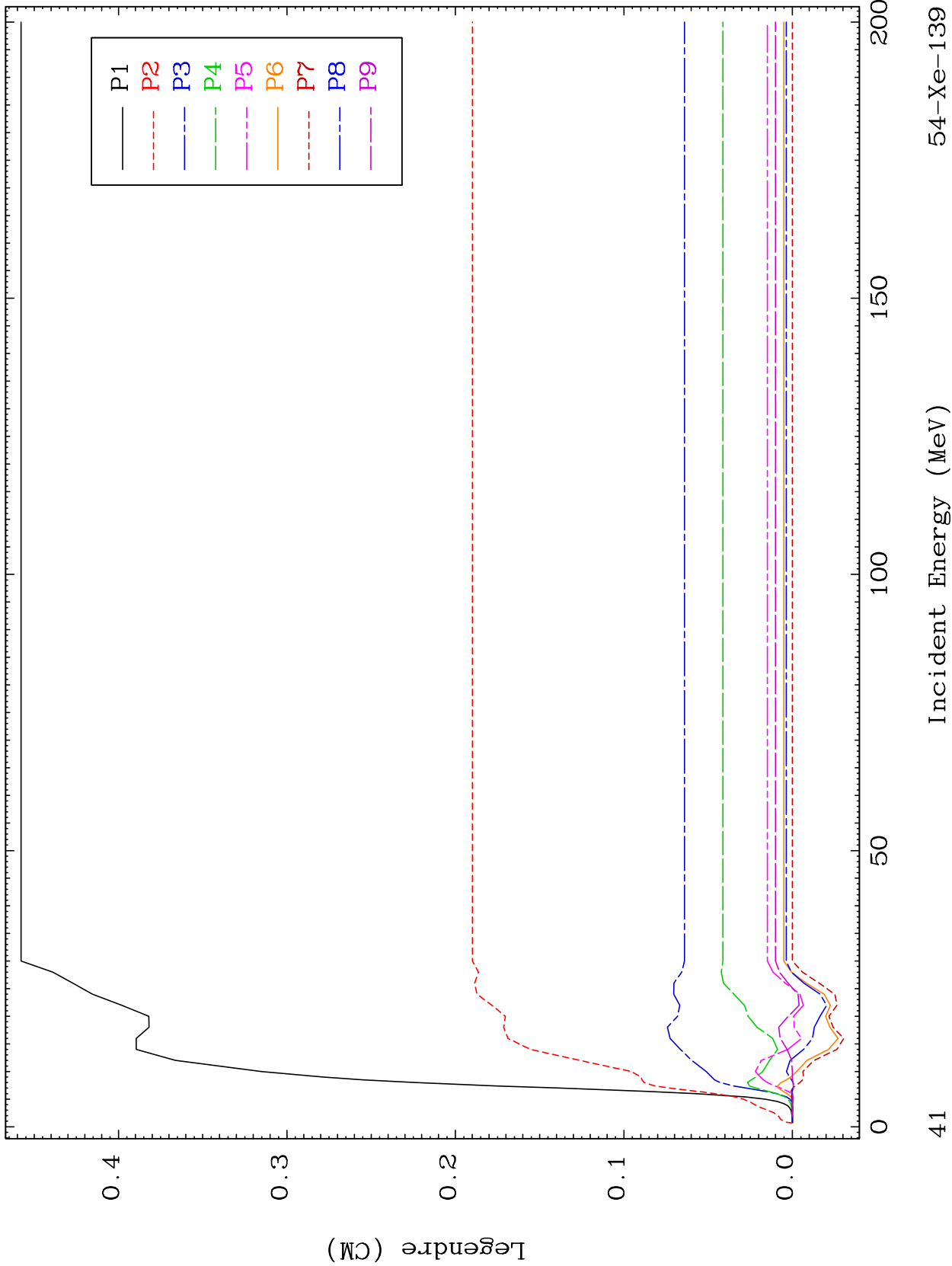
54-Xe-139



MAT 5470

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

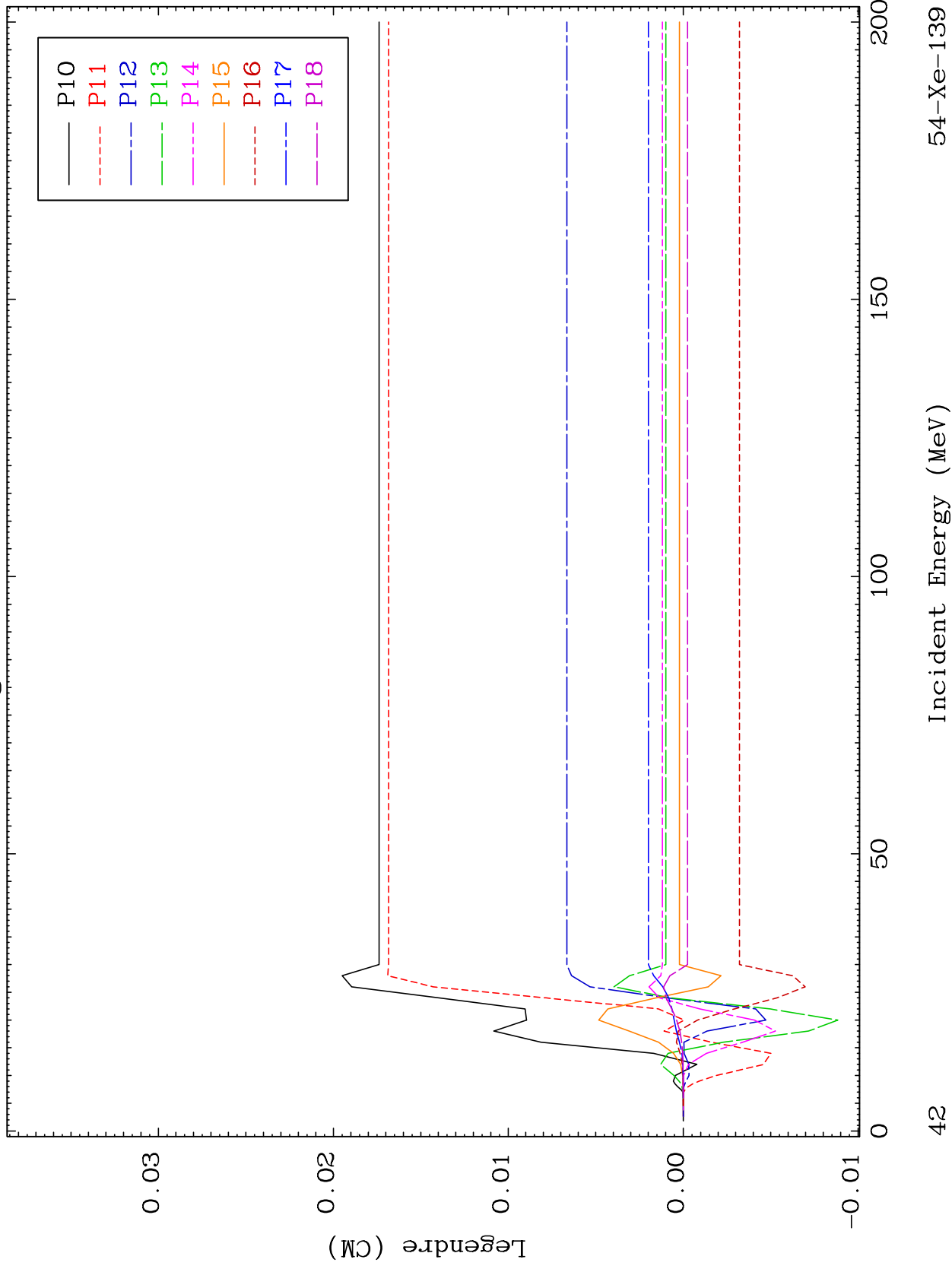
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

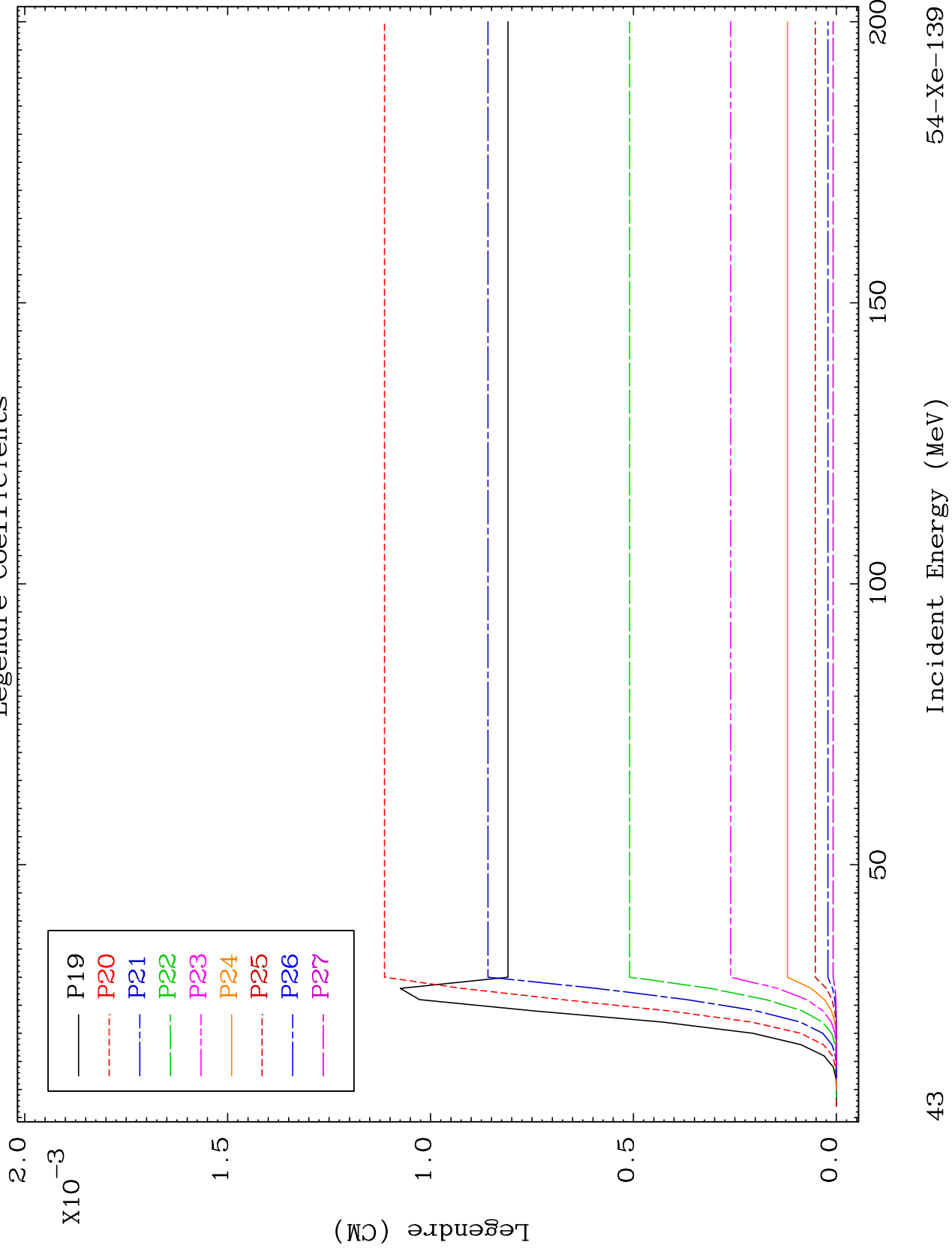
Incident Energy (MeV)

42

MAT 5470

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

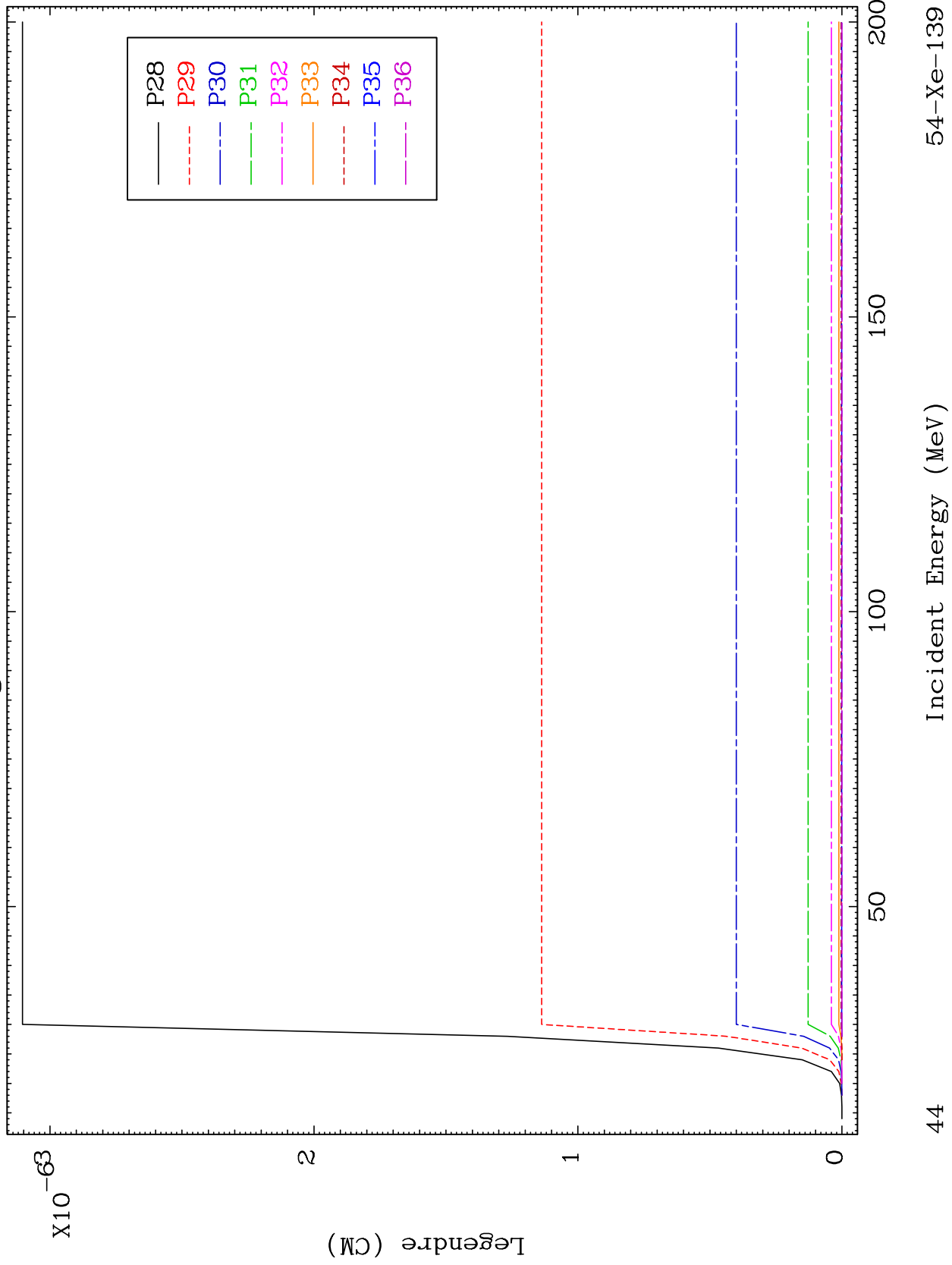
54-Xe-139



MAT 5470

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

54-Xe-139



44

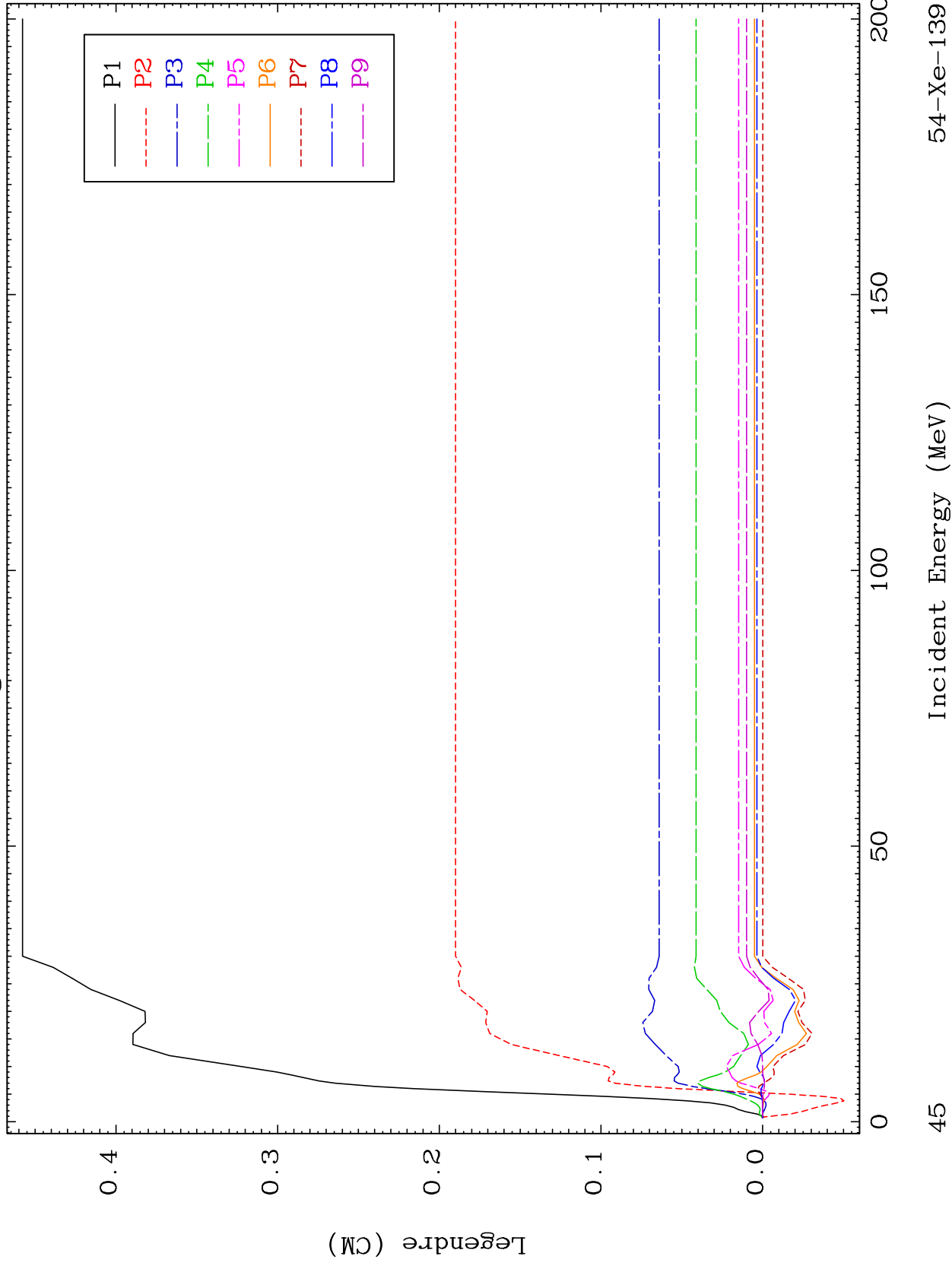
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

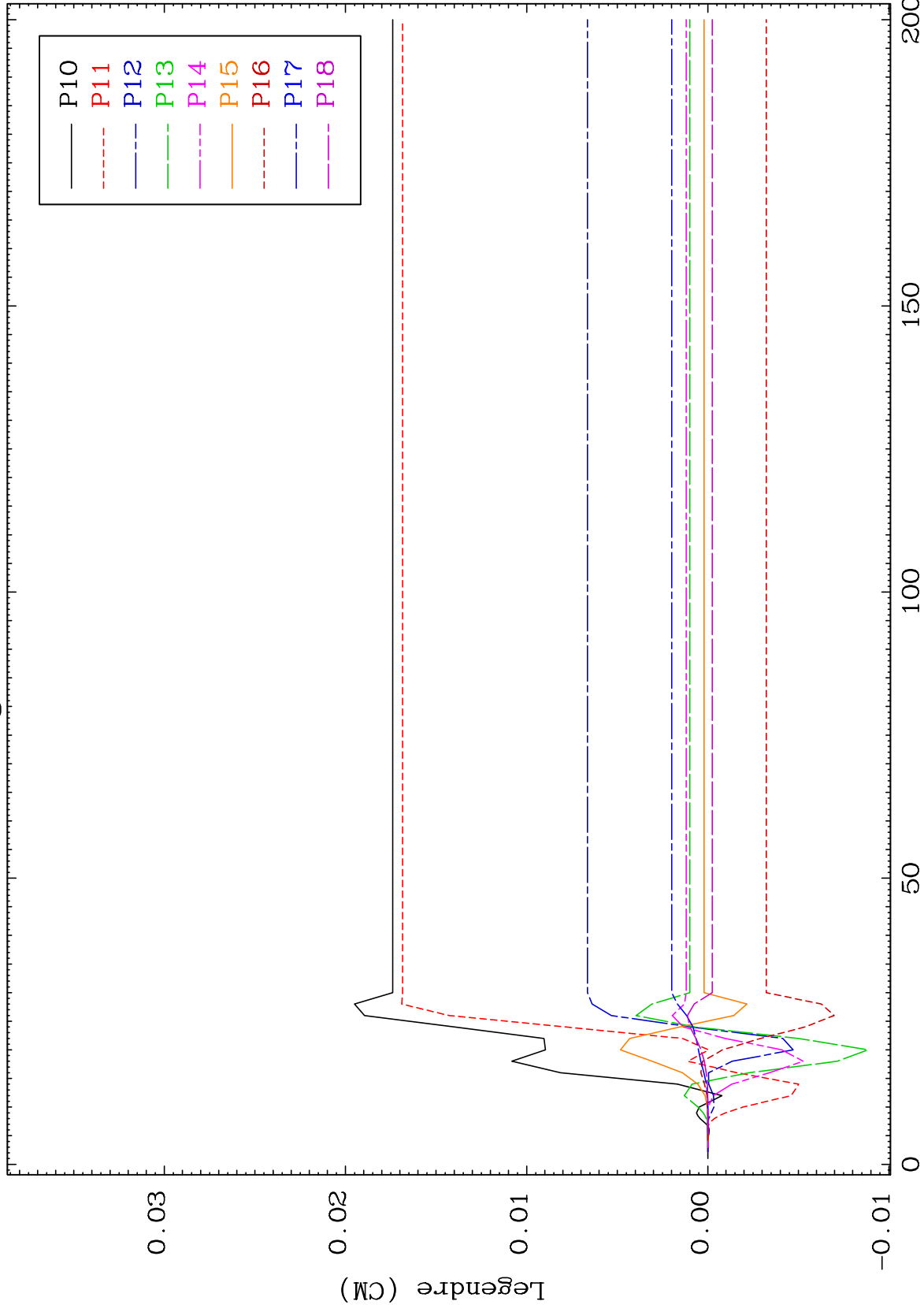
Incident Energy (MeV)

45

MAT 5470

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

54-Xe-139



46

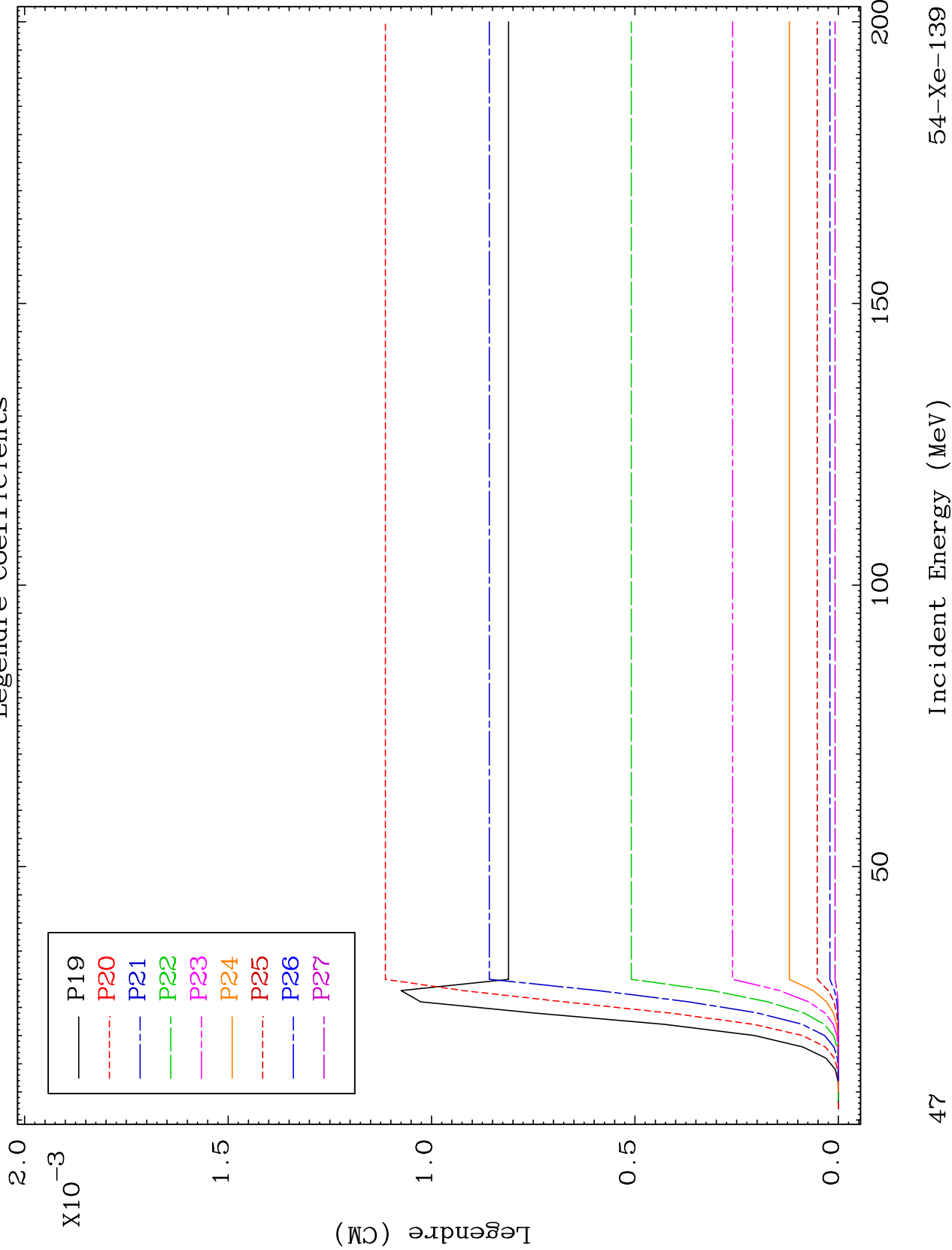
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



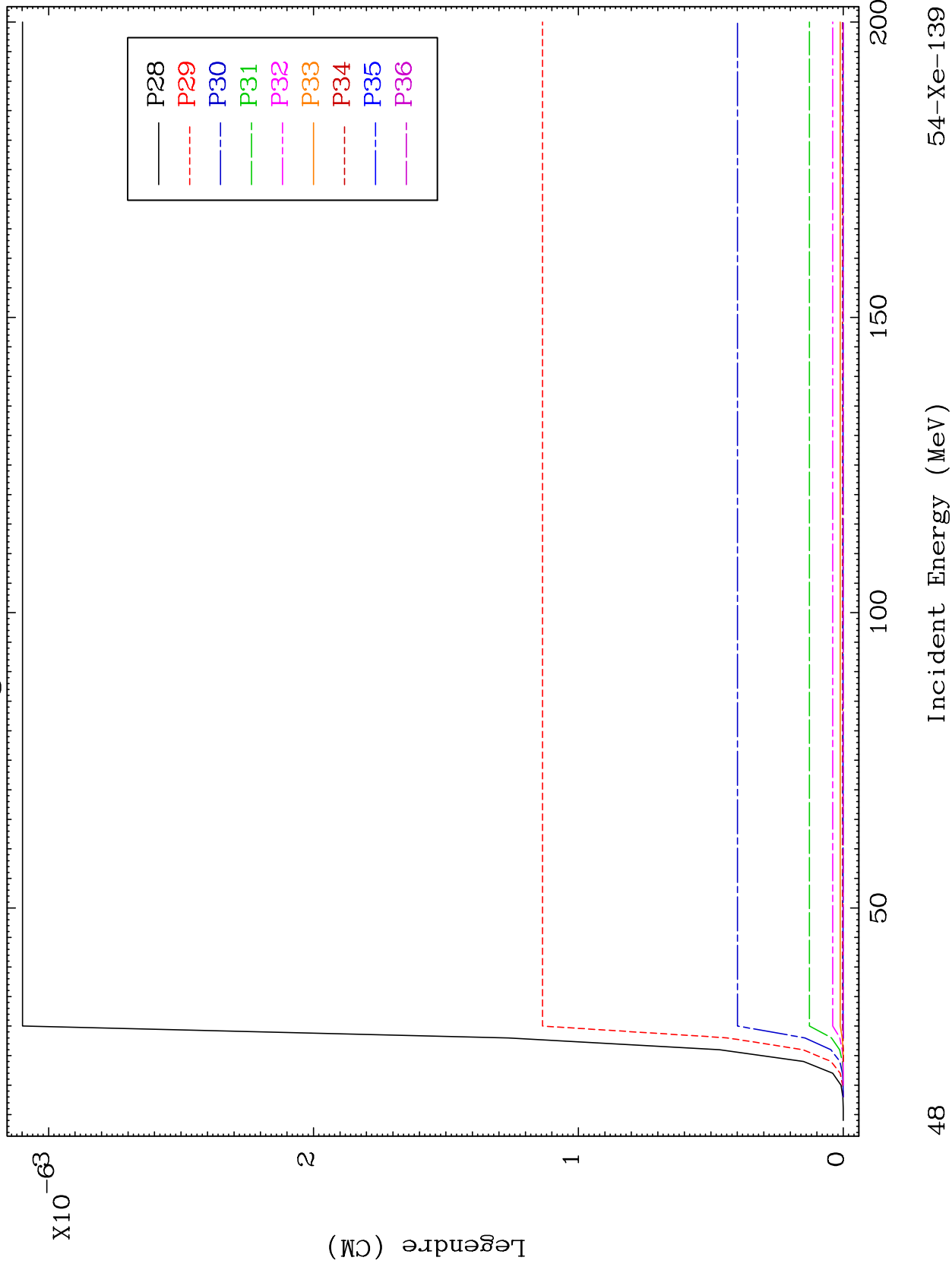
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54-Xe-139

MAT 5470

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

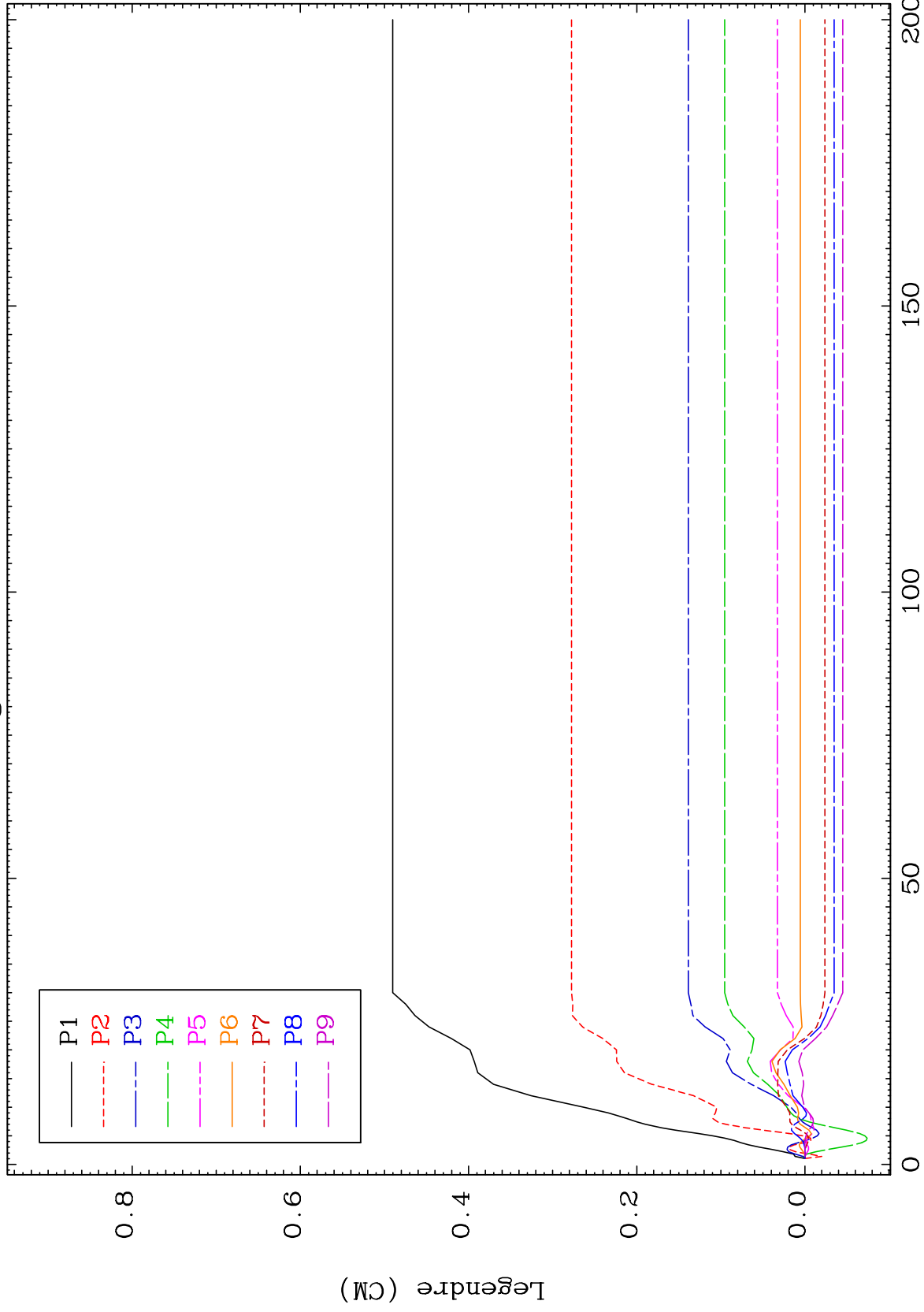
54-Xe-139



MAT 5470

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

54-Xe-139



49

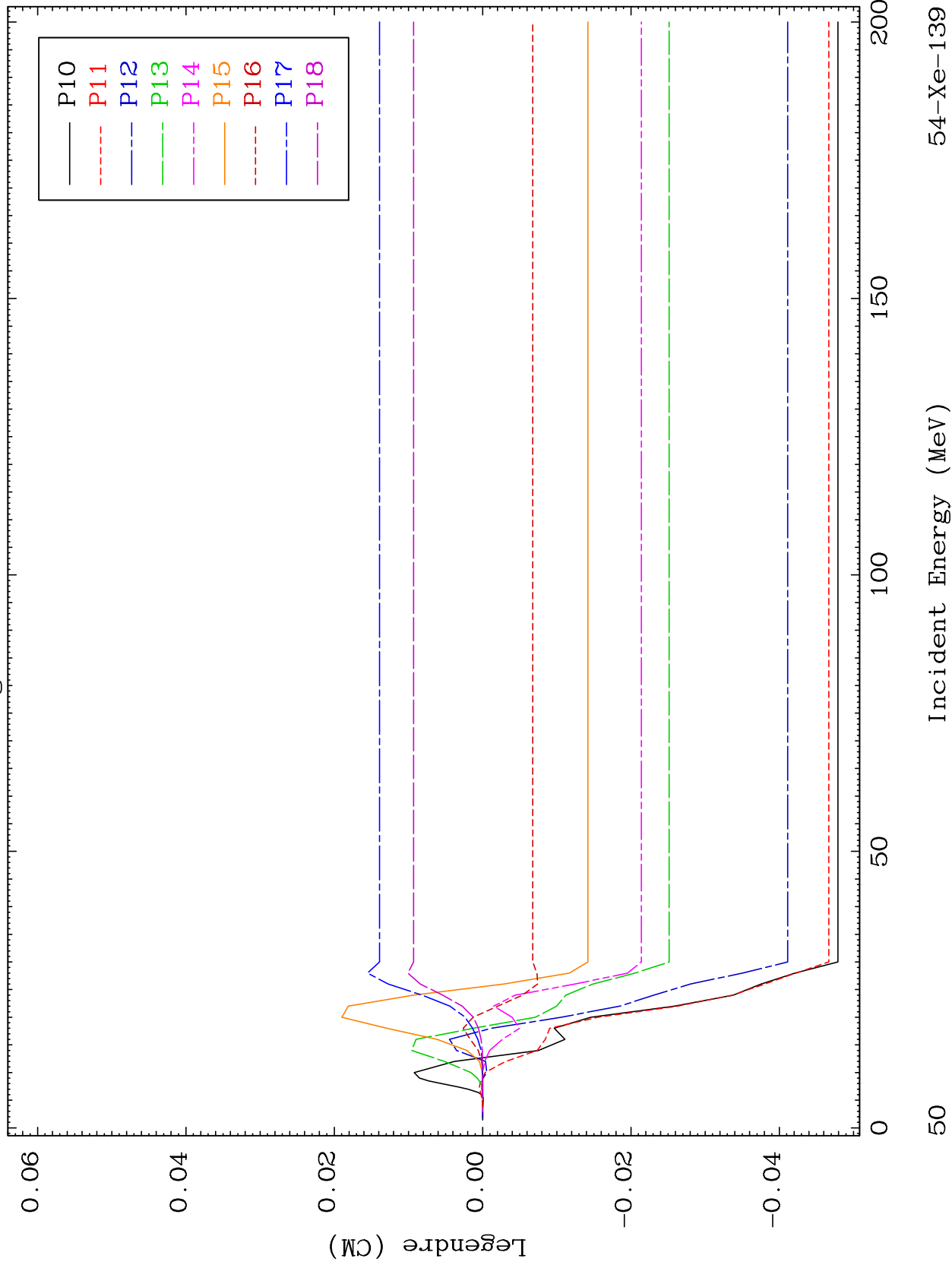
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

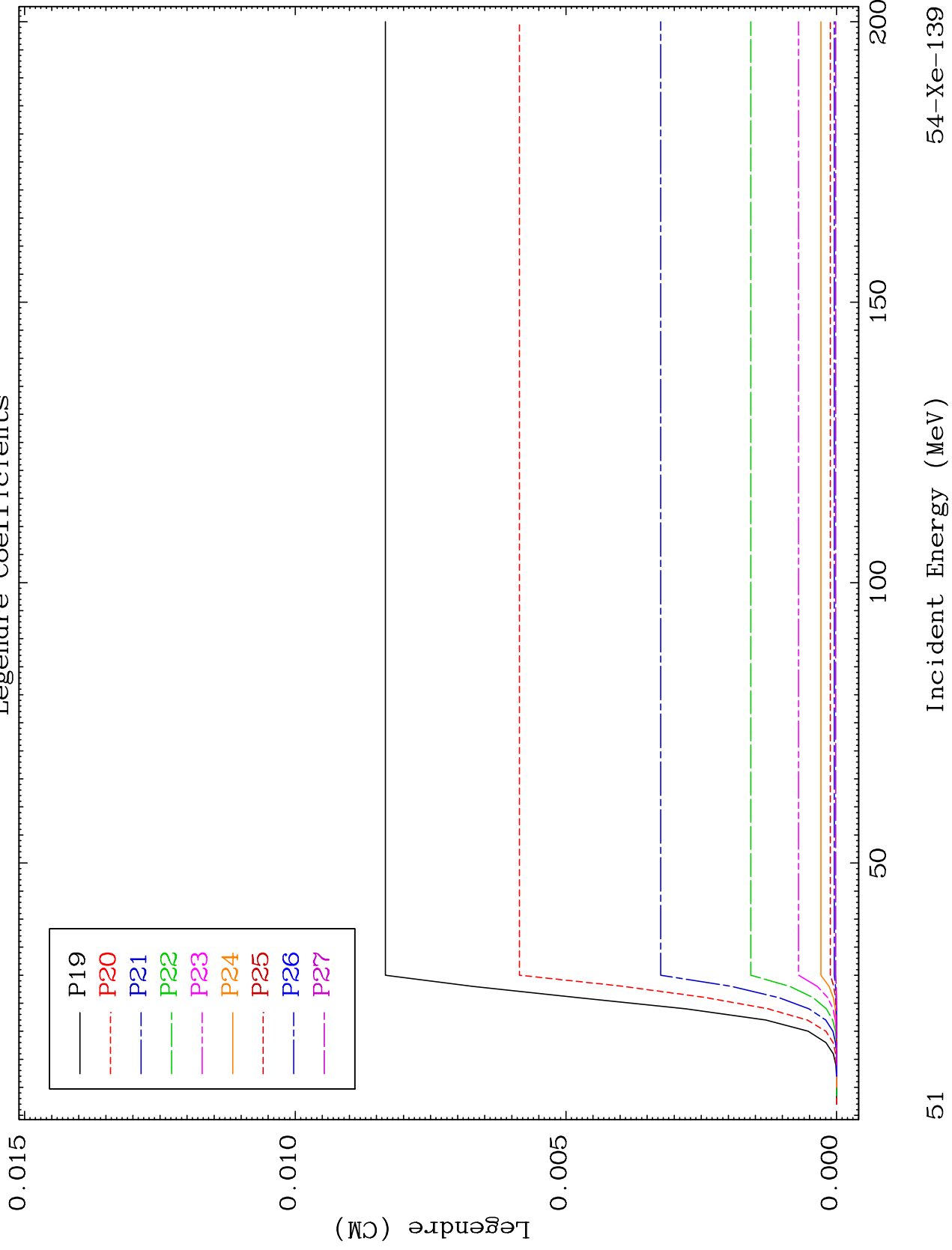
Incident Energy (MeV)

50

MAT 5470

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

54-Xe-139



51

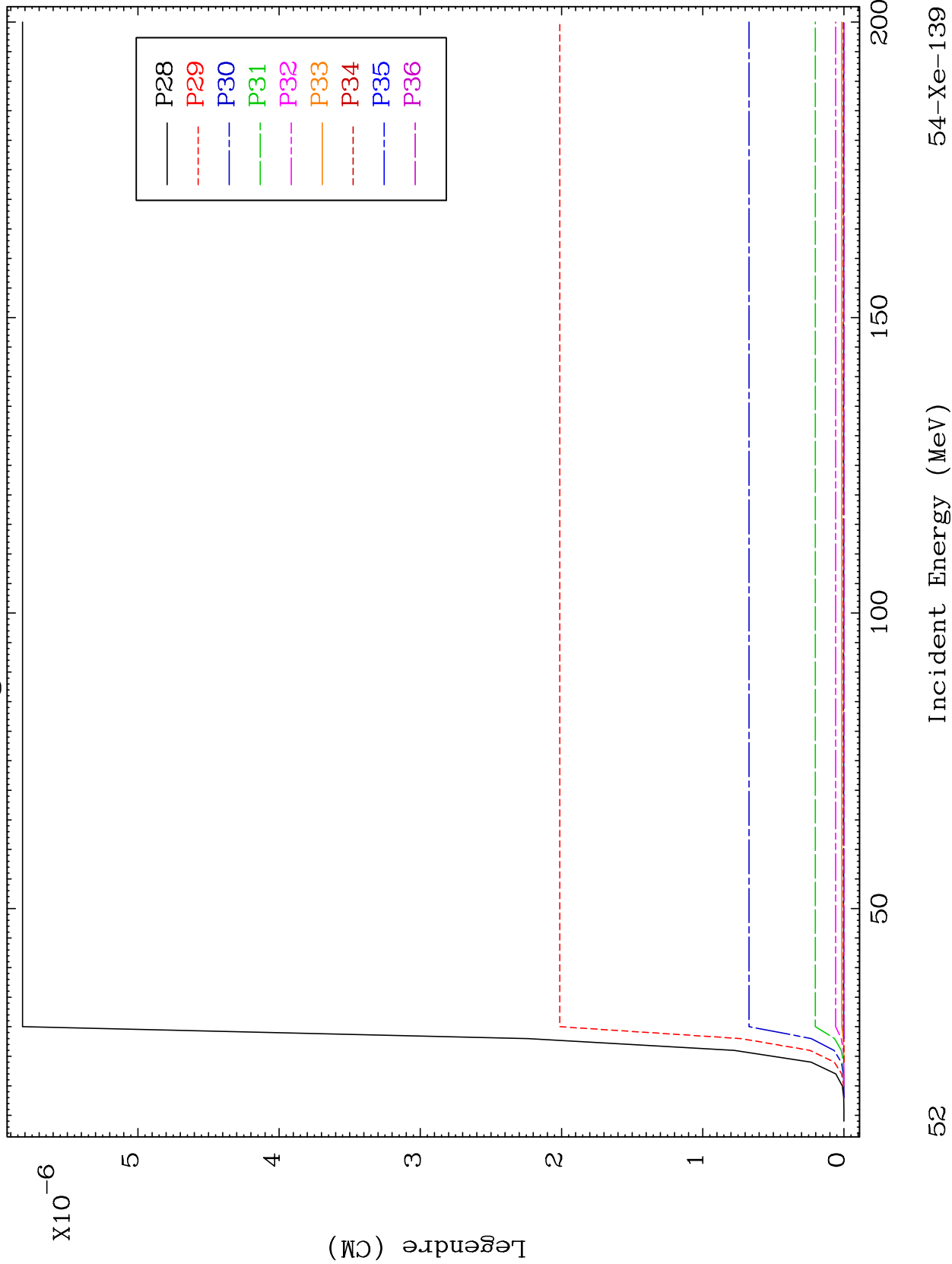
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



52

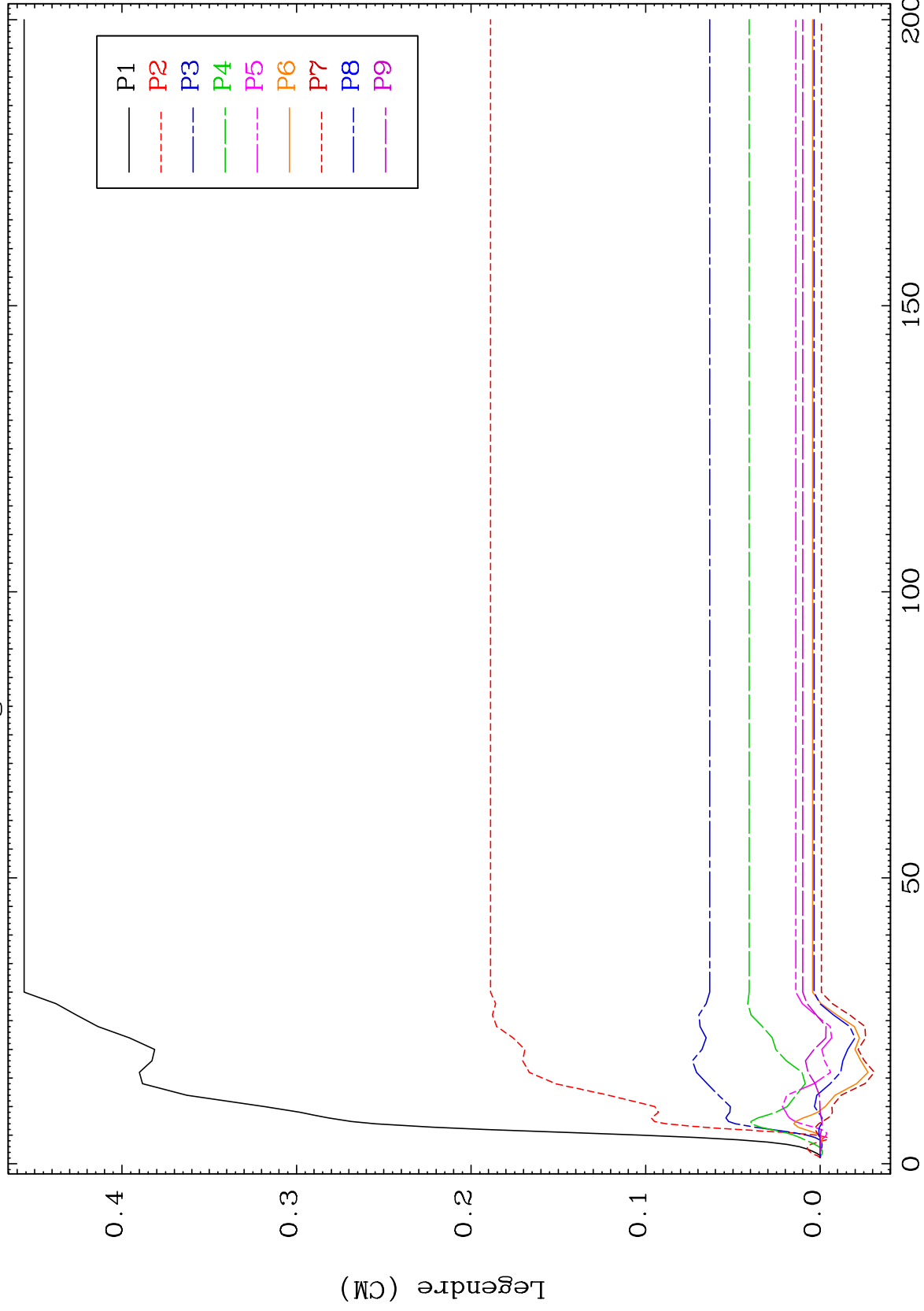
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



53

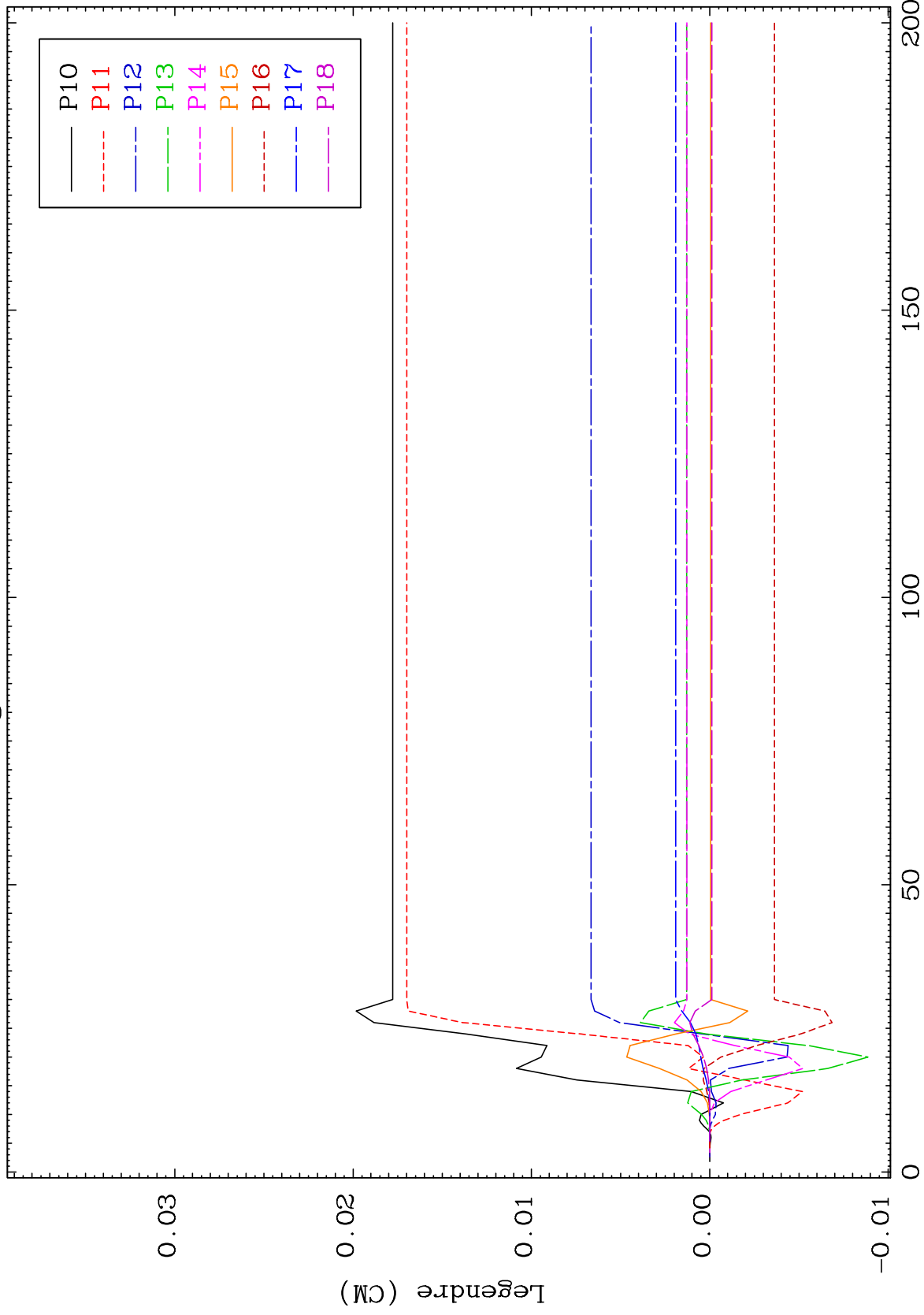
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54

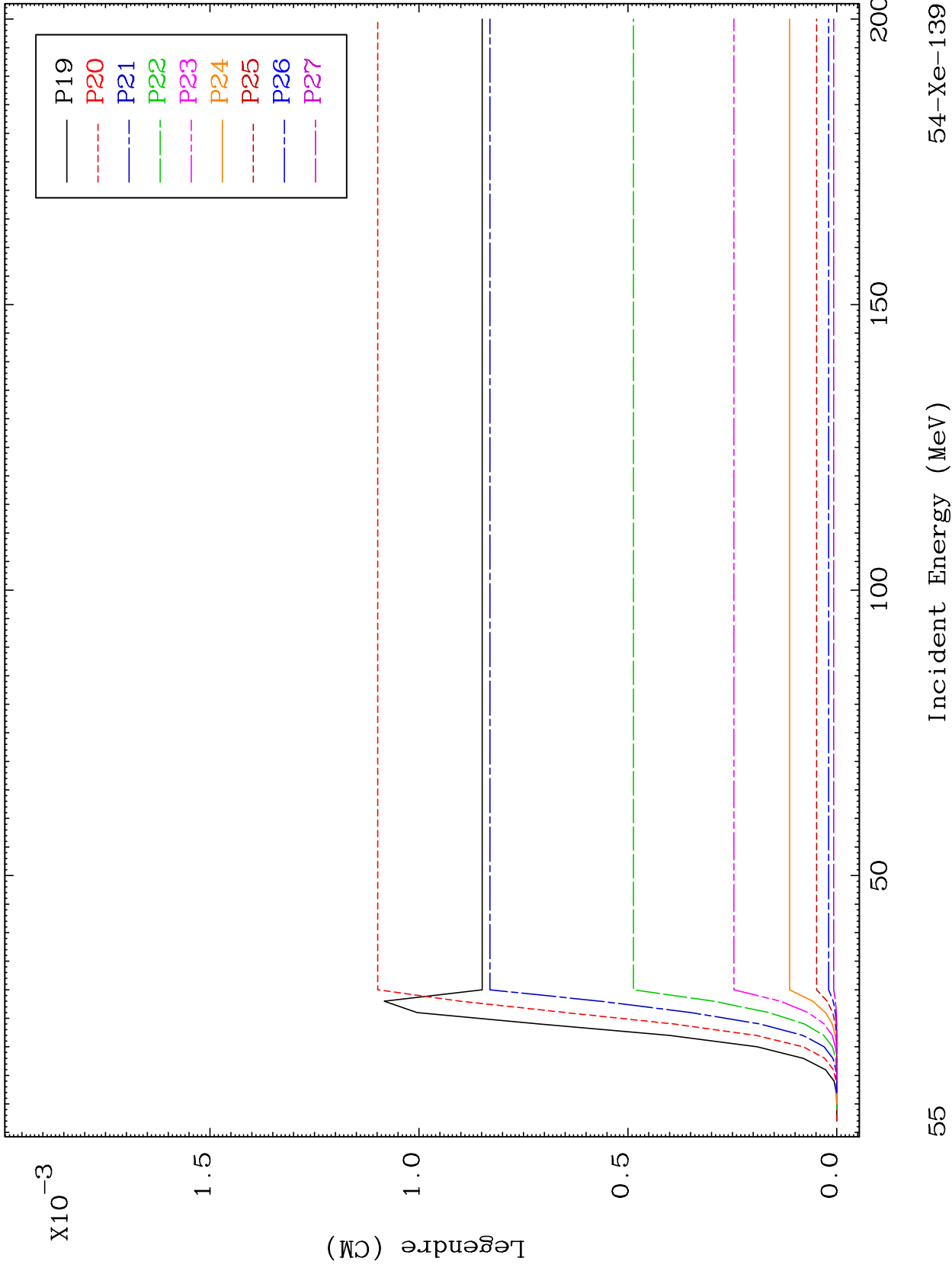
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



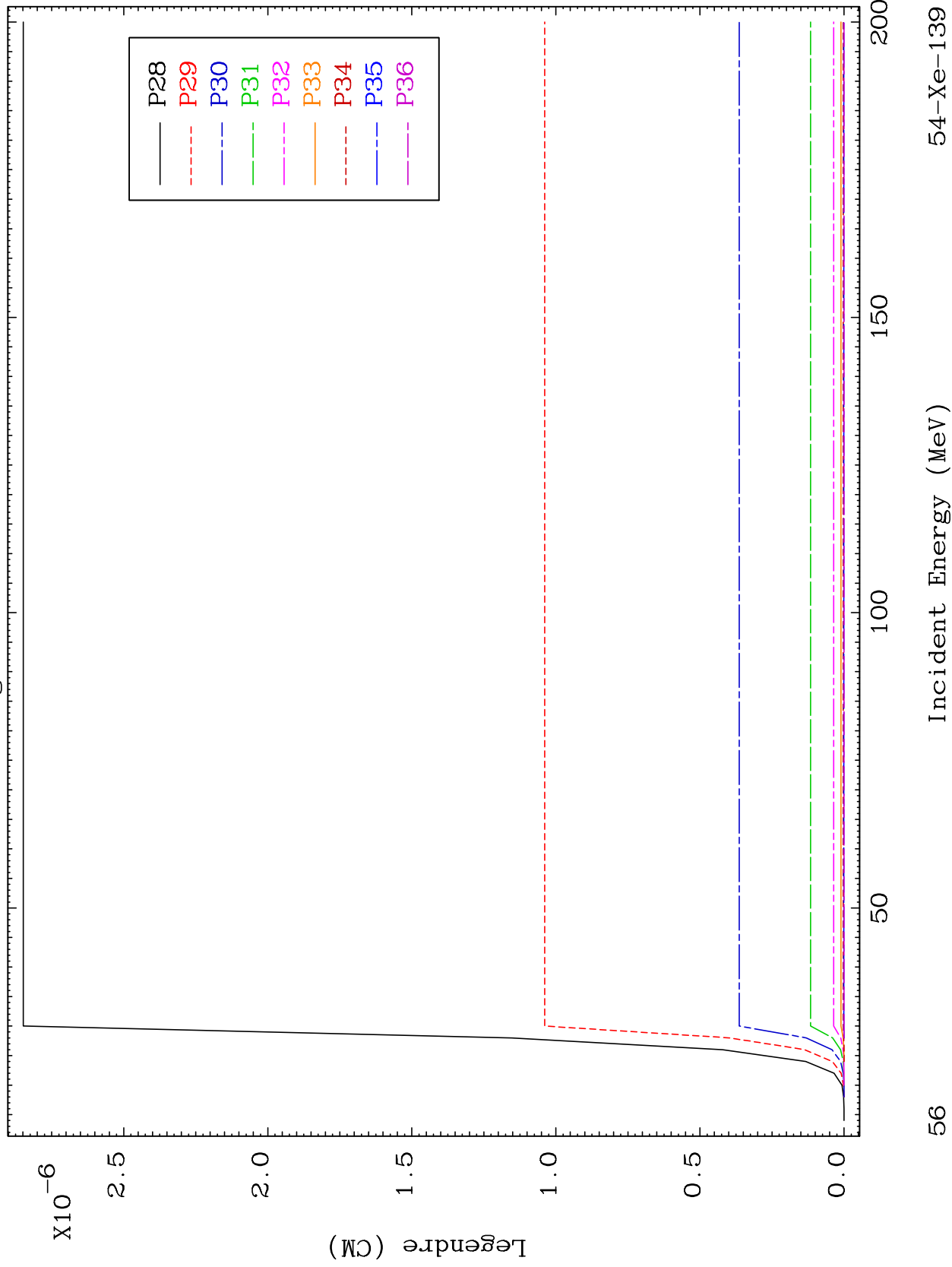
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54-Xe-139

MAT 5470

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

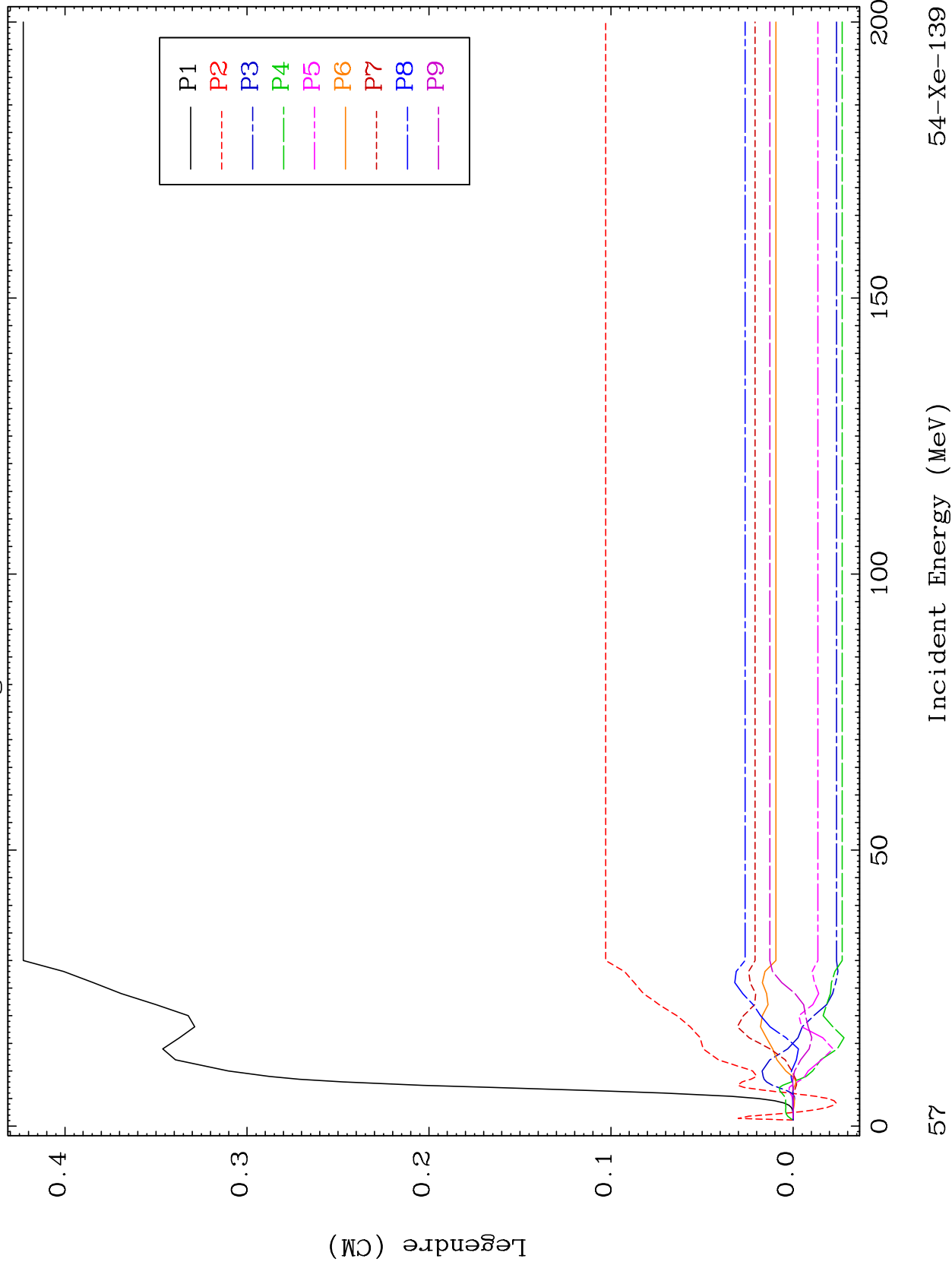
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

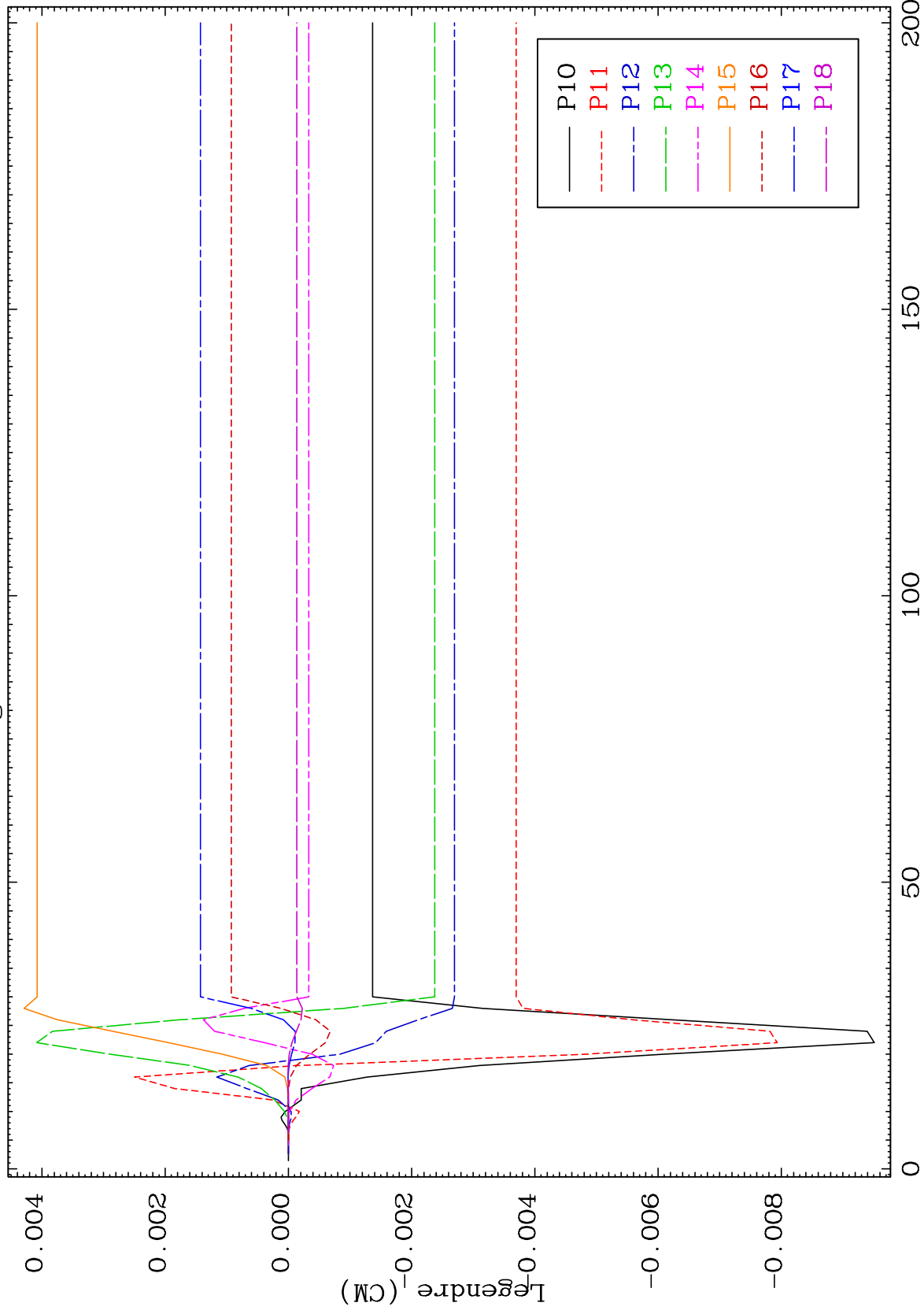
Incident Energy (MeV)

57

MAT 5470

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

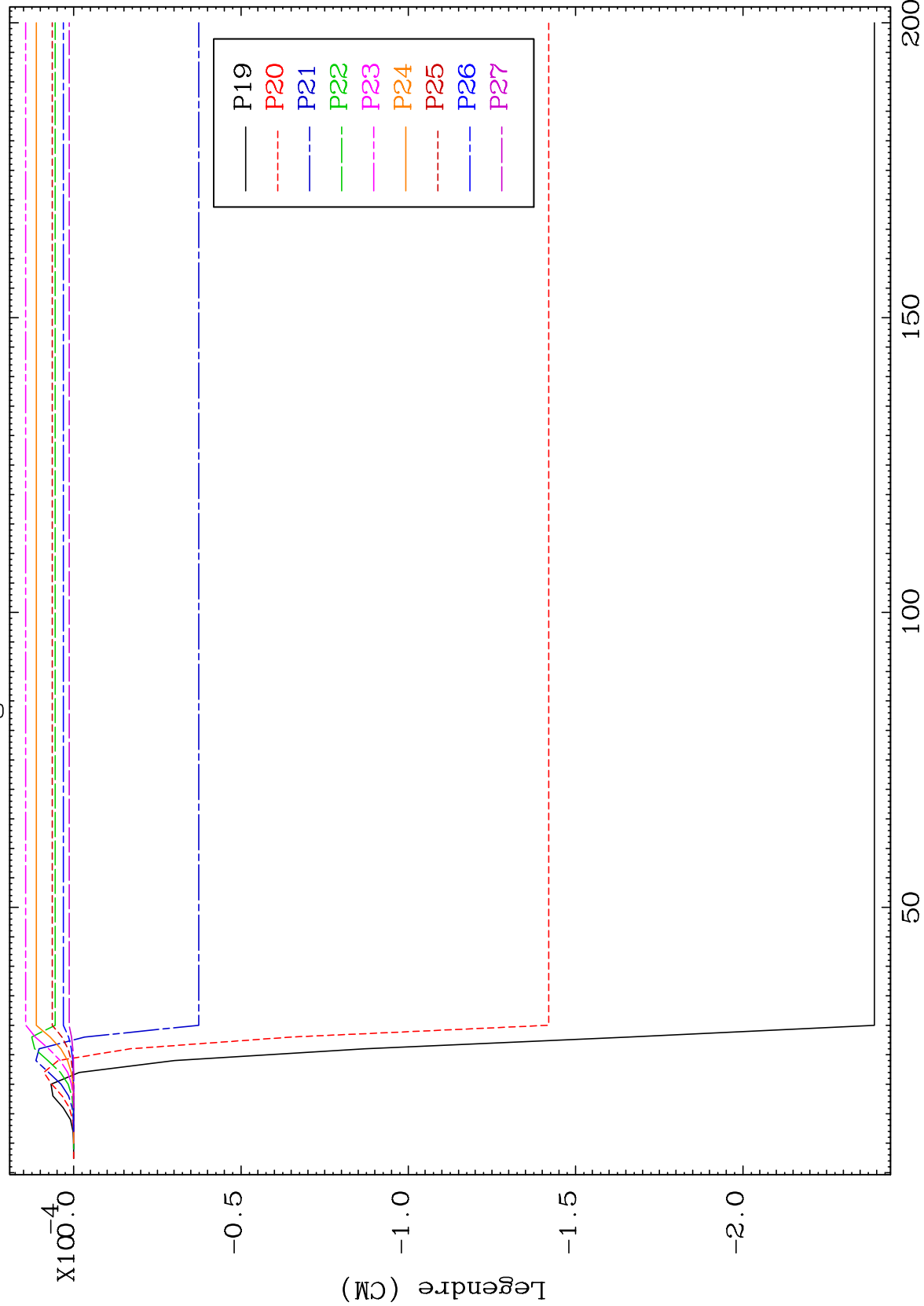
54-Xe-139



58

Incident Energy (MeV)

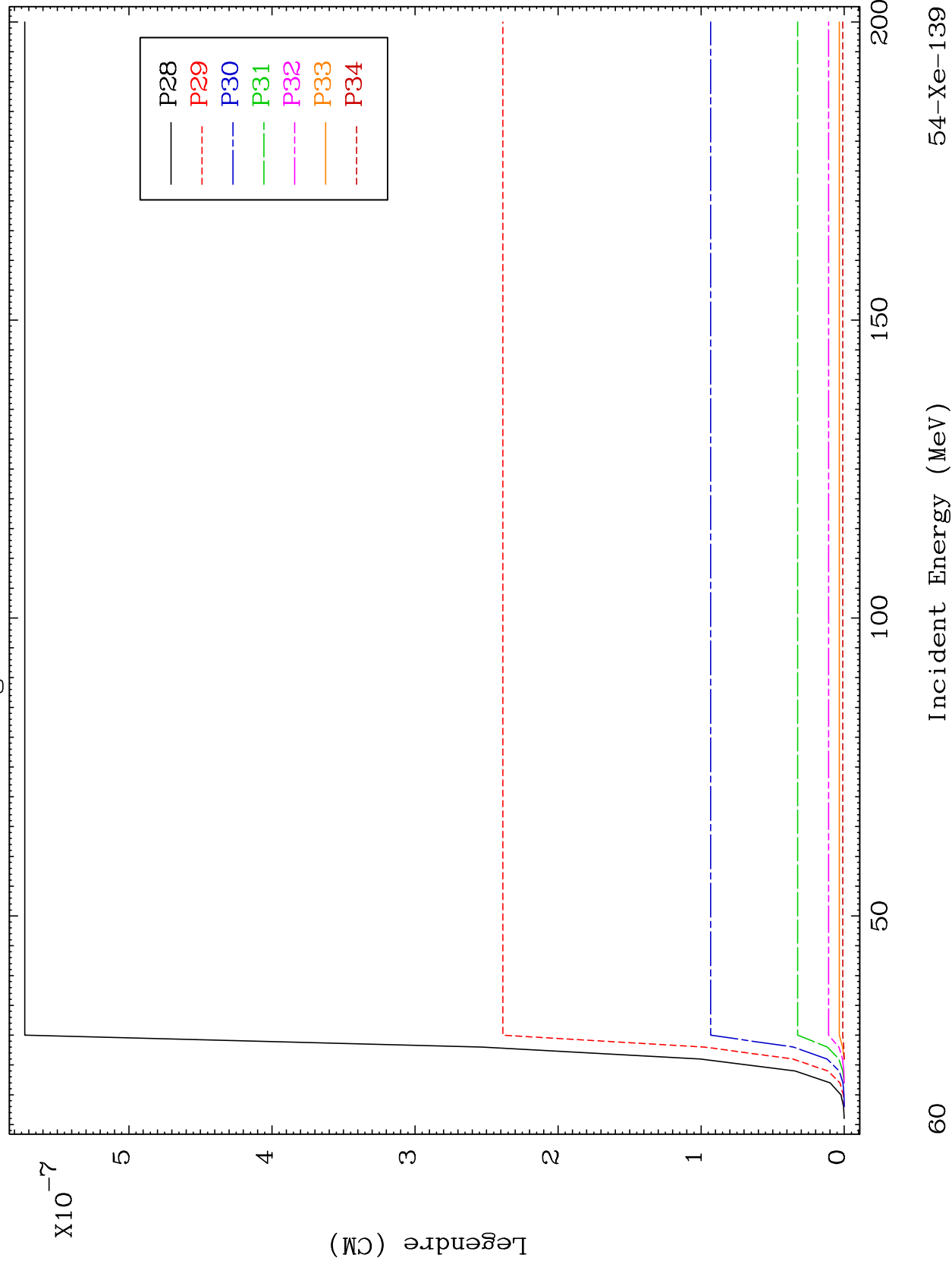
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

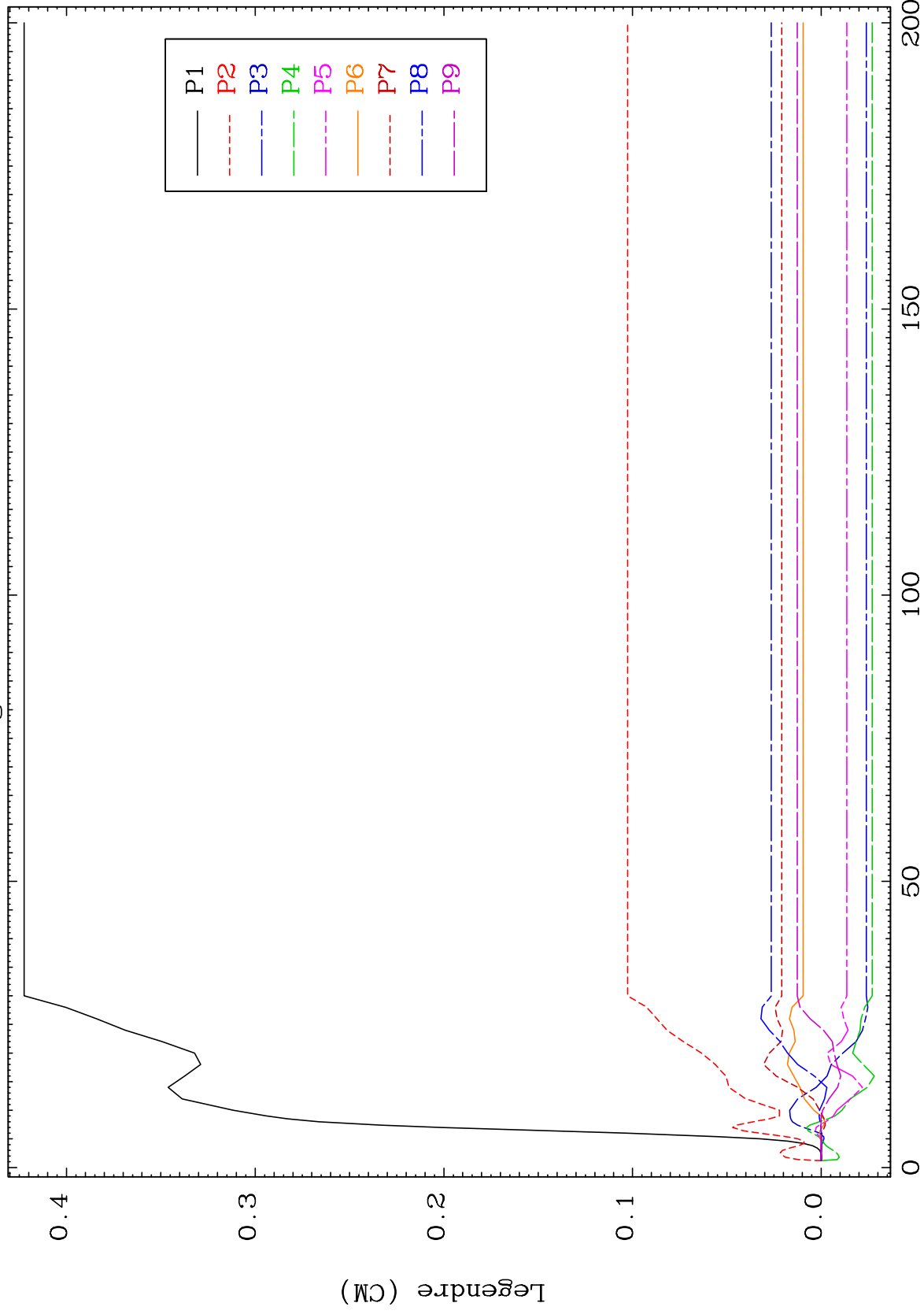
Incident Energy (MeV)

60

MAT 5470

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

54-Xe-139



61

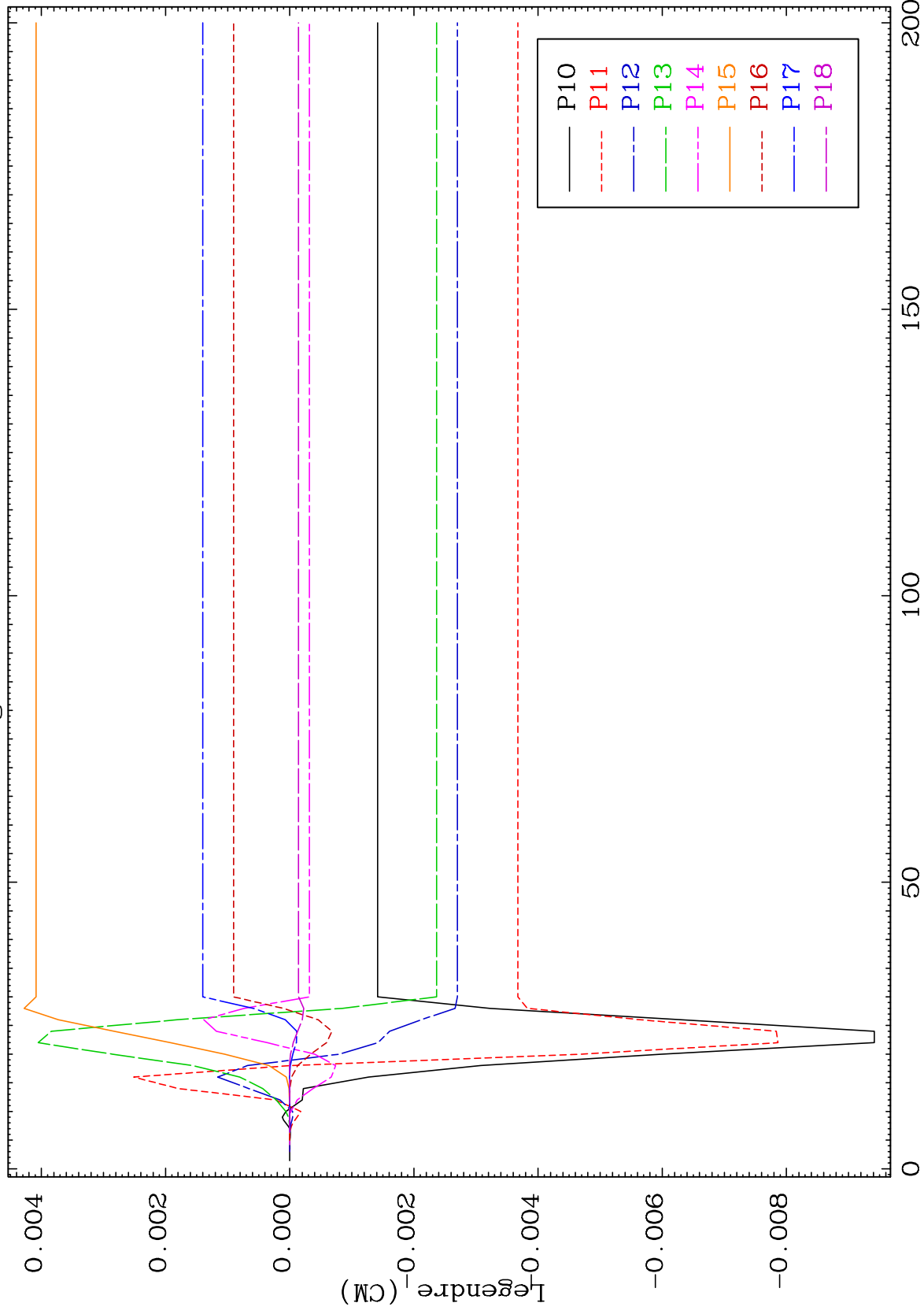
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



62

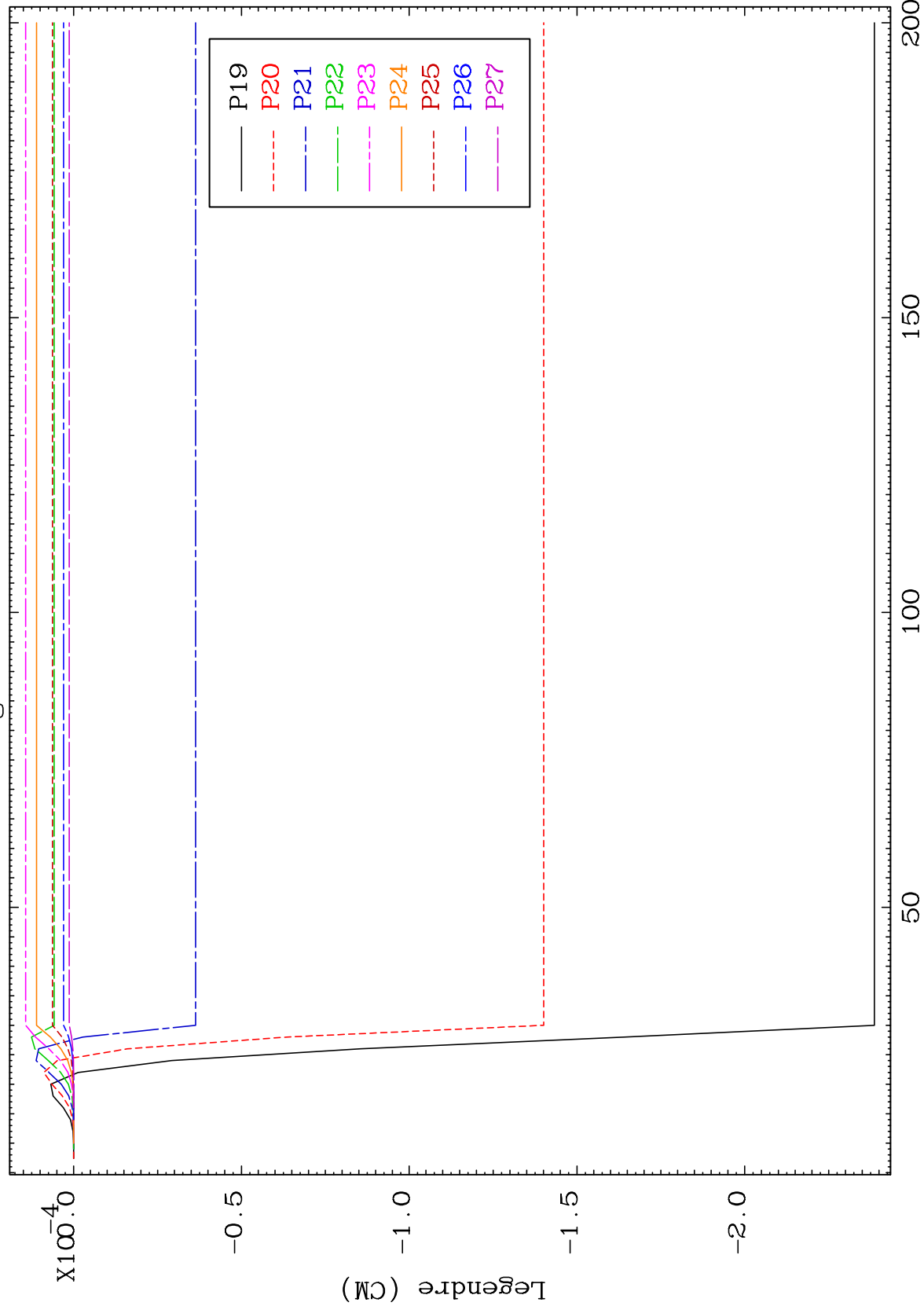
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

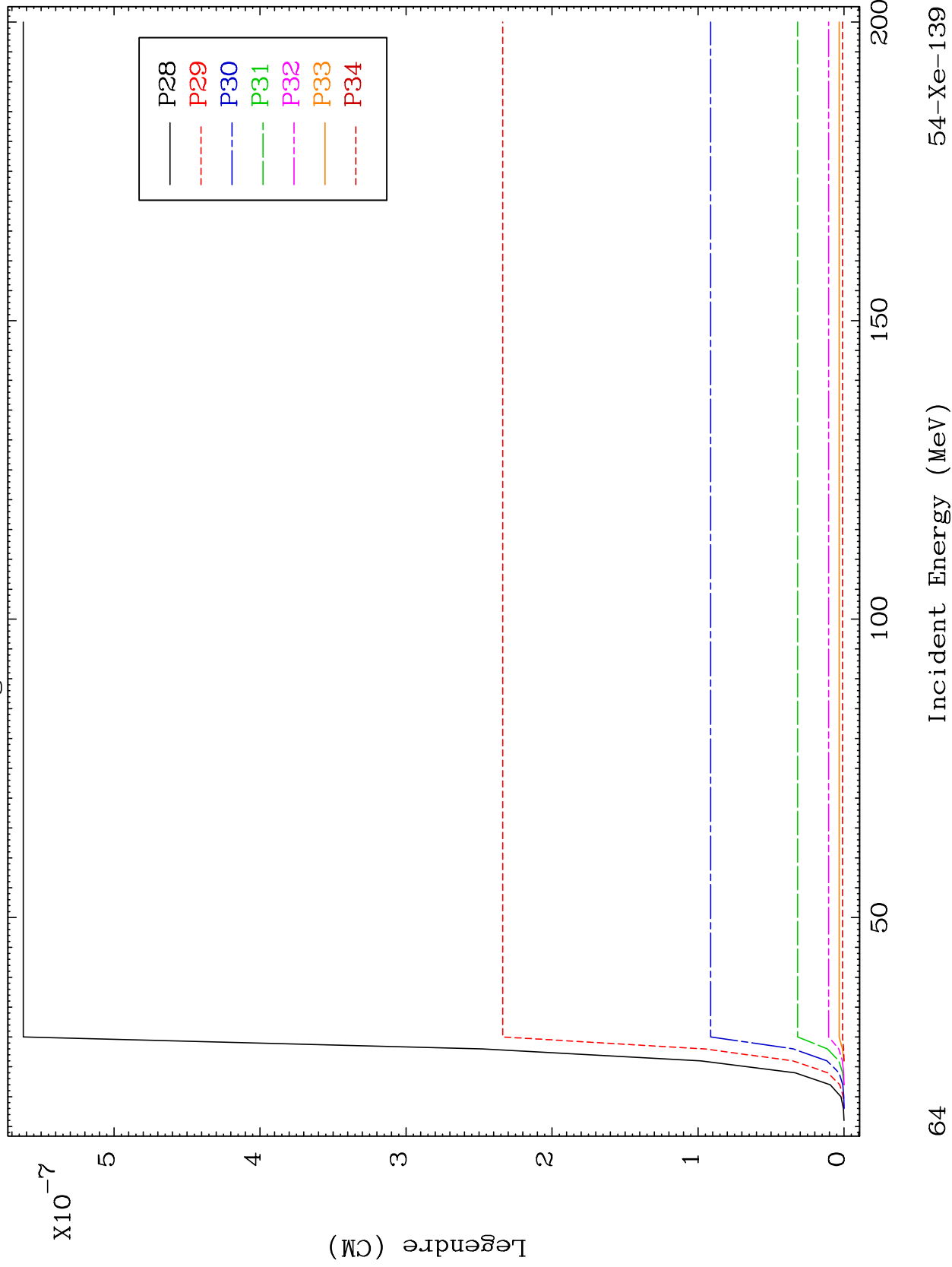
Incident Energy (MeV)

63

MAT 5470

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

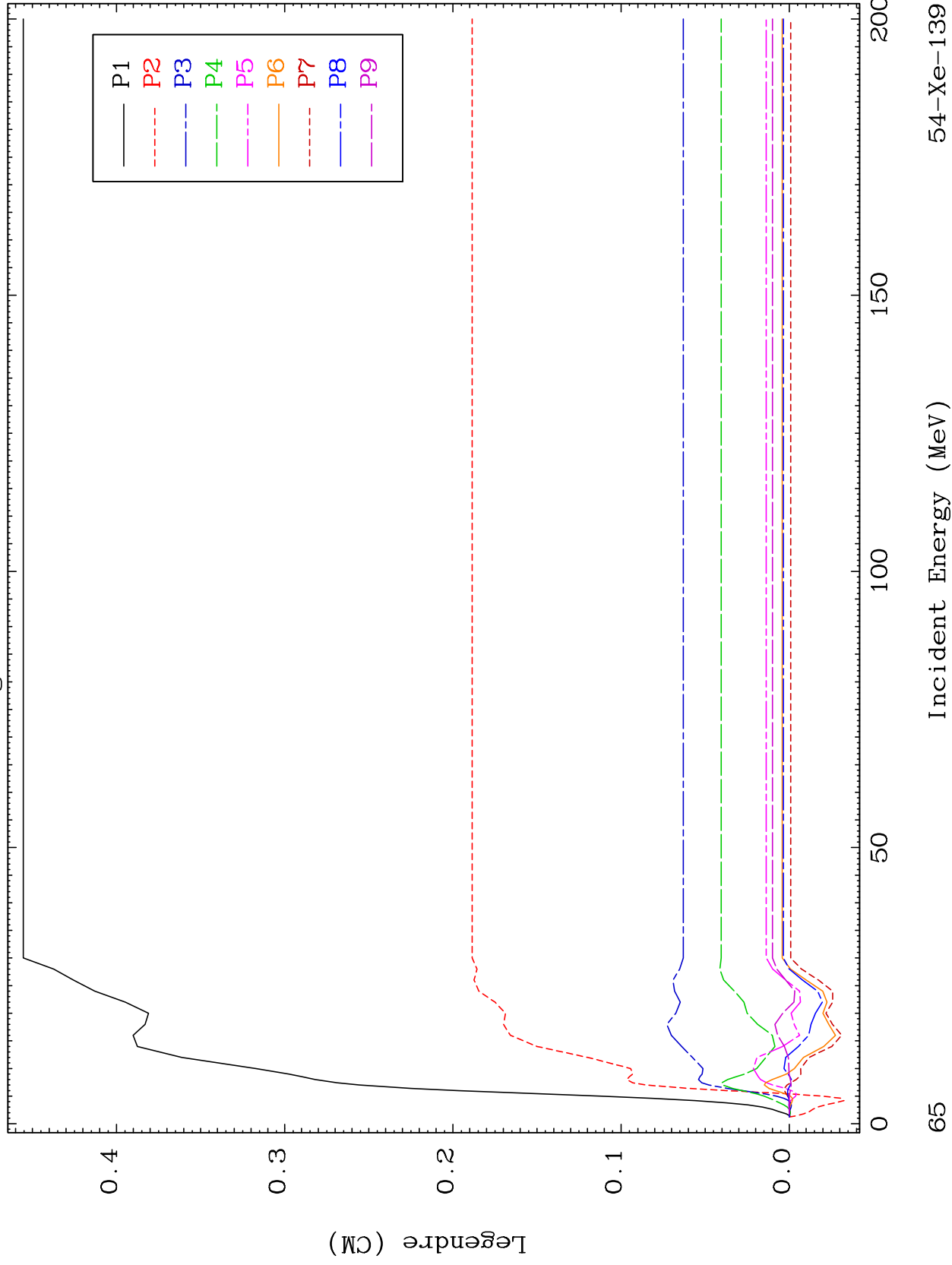
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

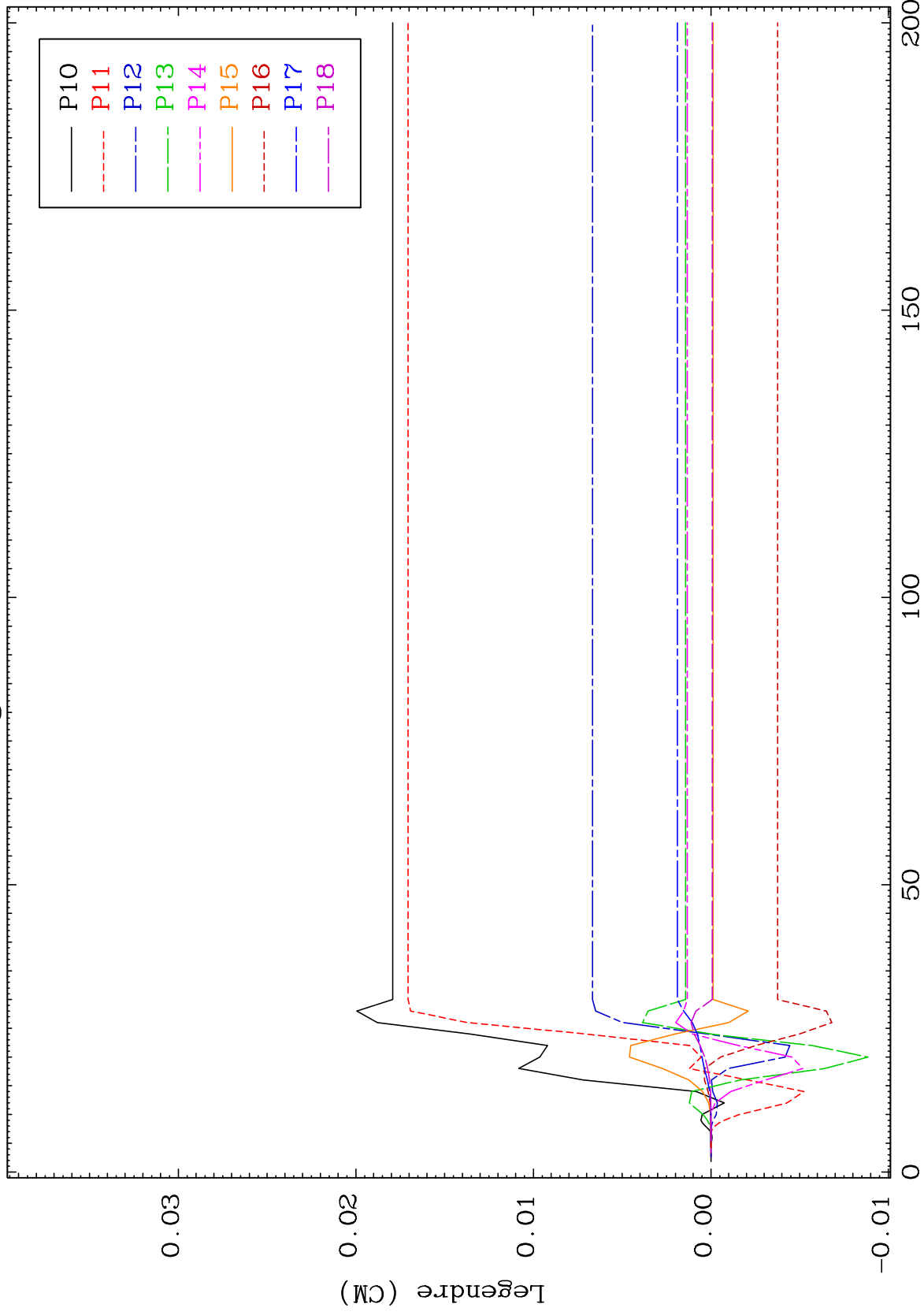
Incident Energy (MeV)

65

MAT 5470

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

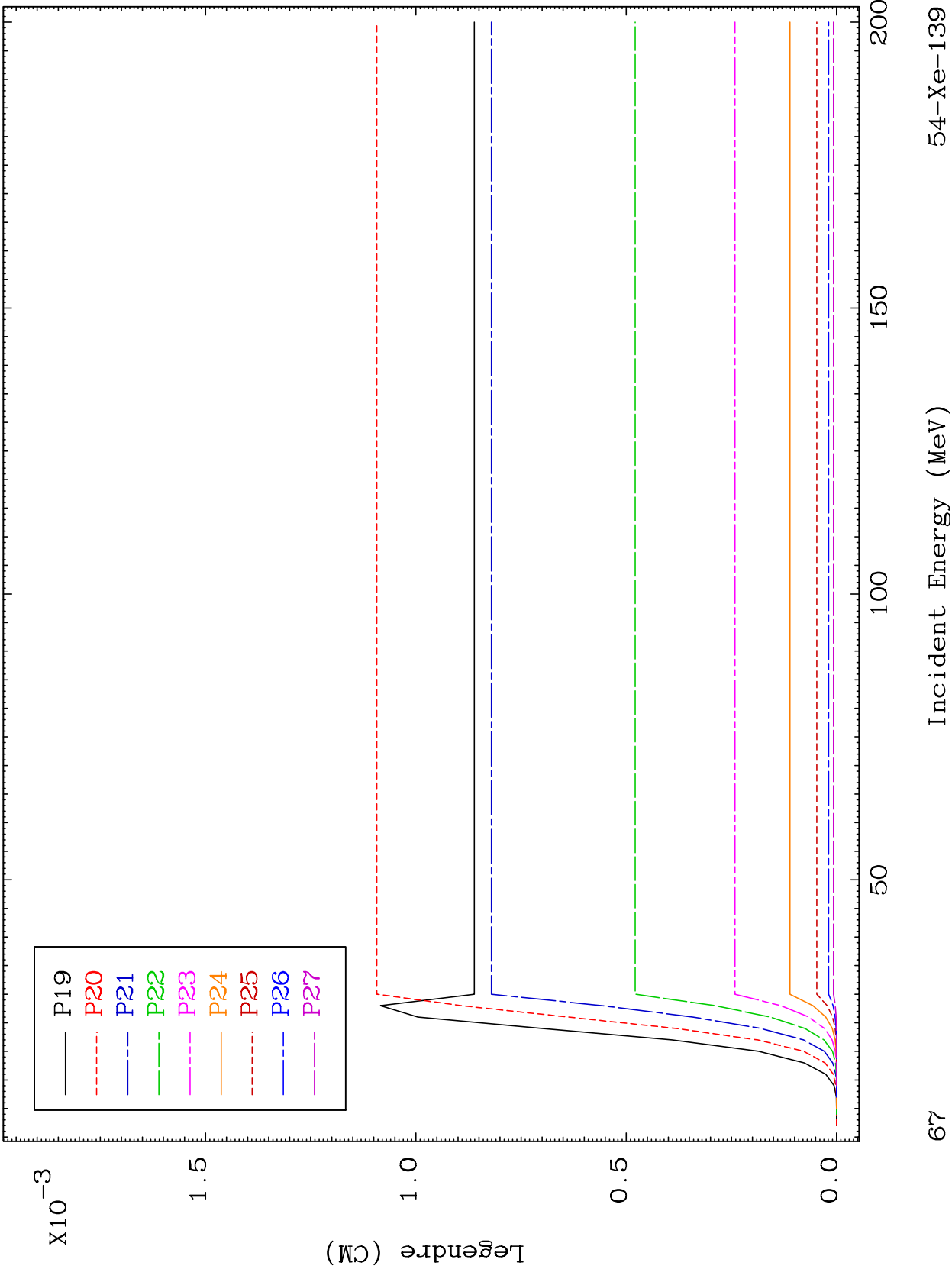
54-Xe-139



66

Incident Energy (MeV)

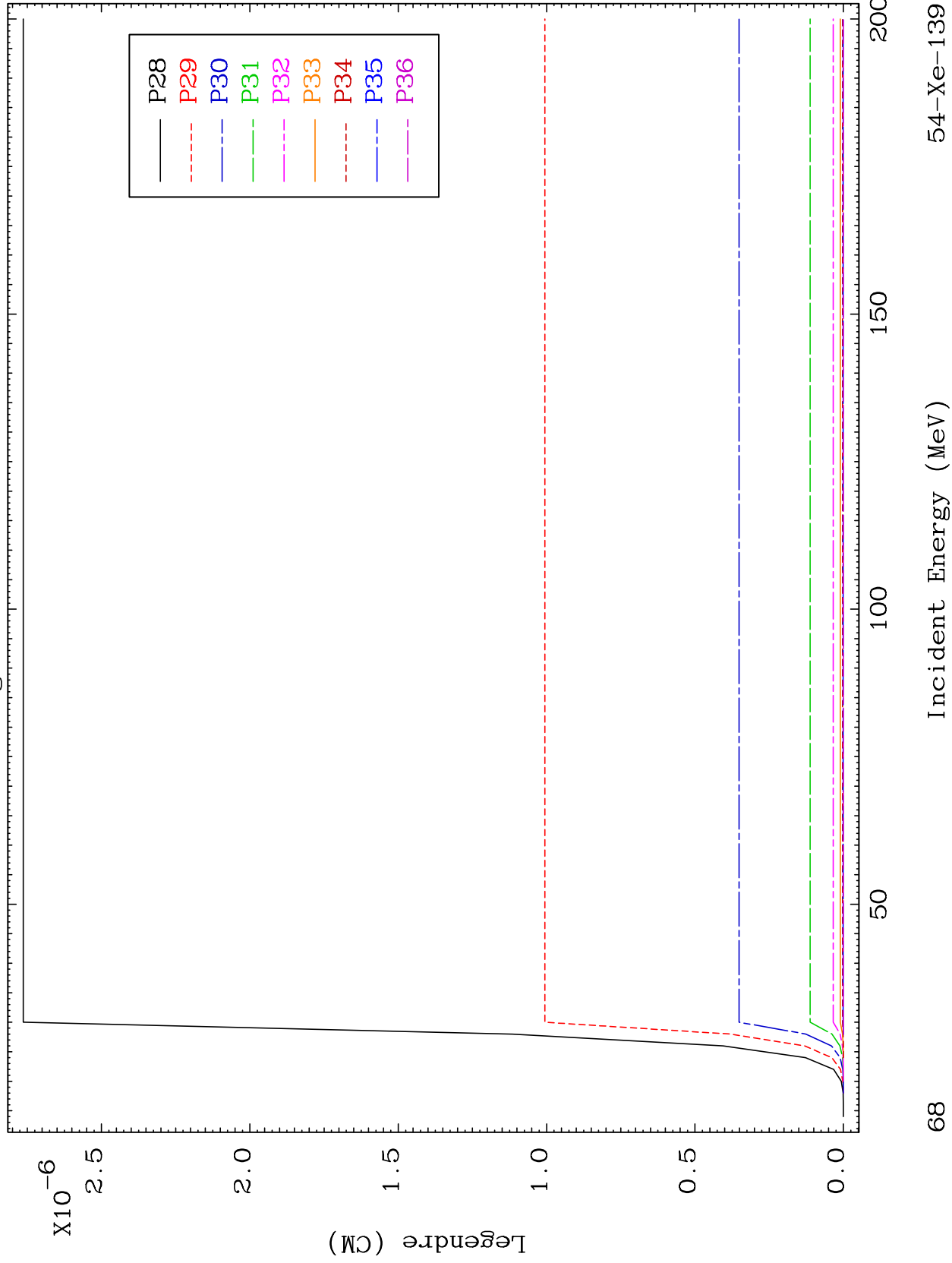
54-Xe-139



MAT 5470

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

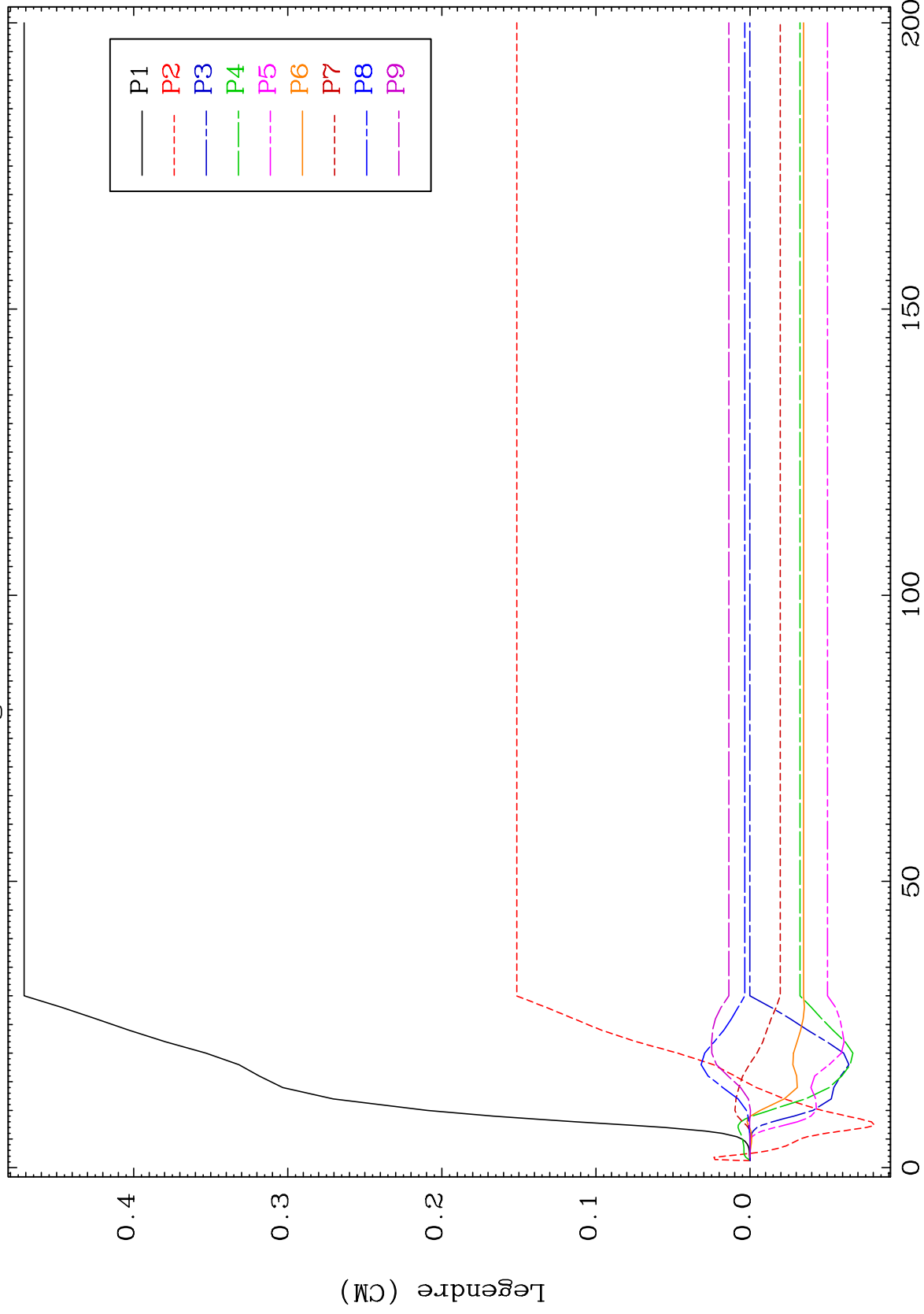
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

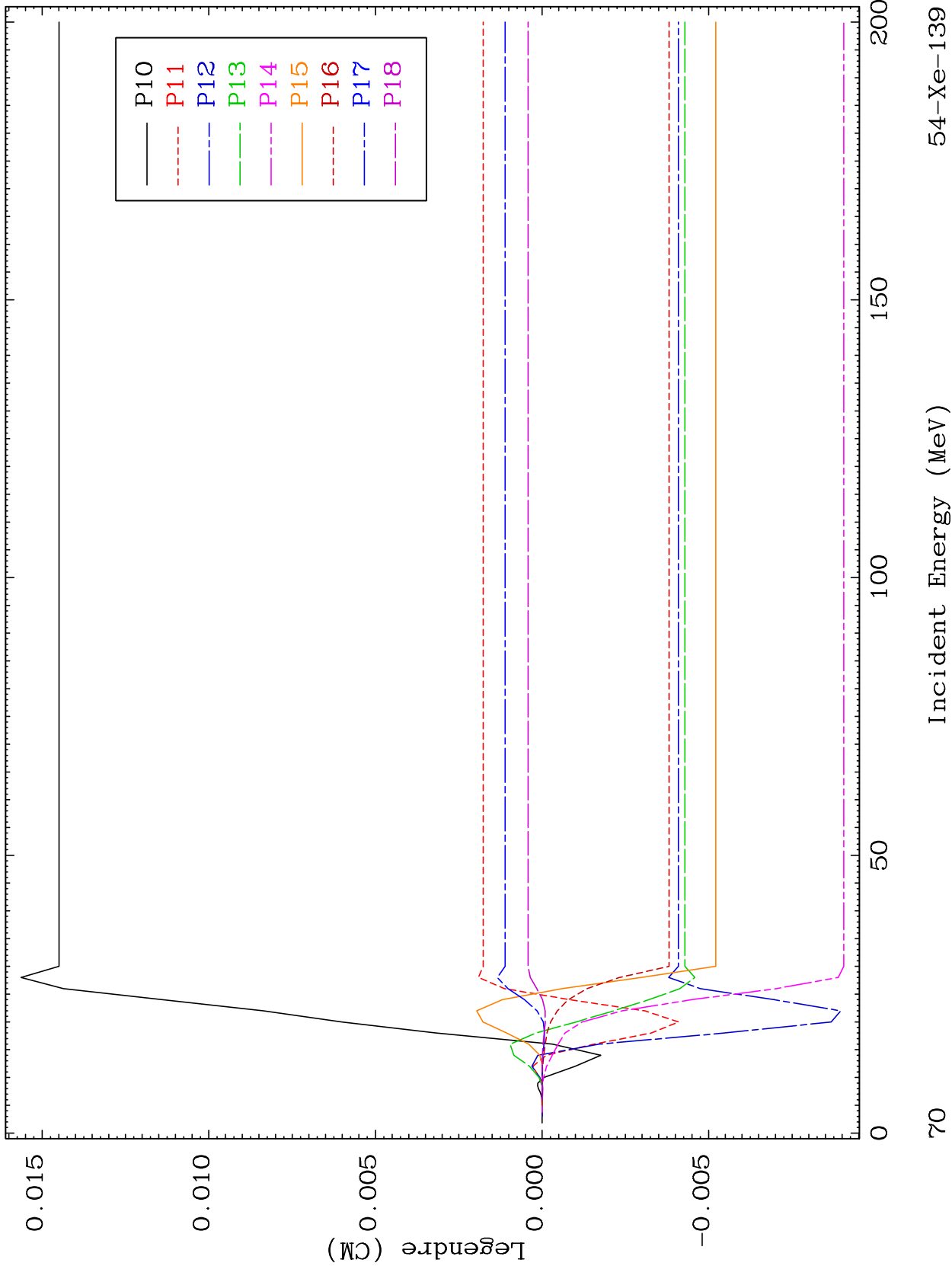
Incident Energy (MeV)

69

MAT 5470

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

54-Xe-139



70

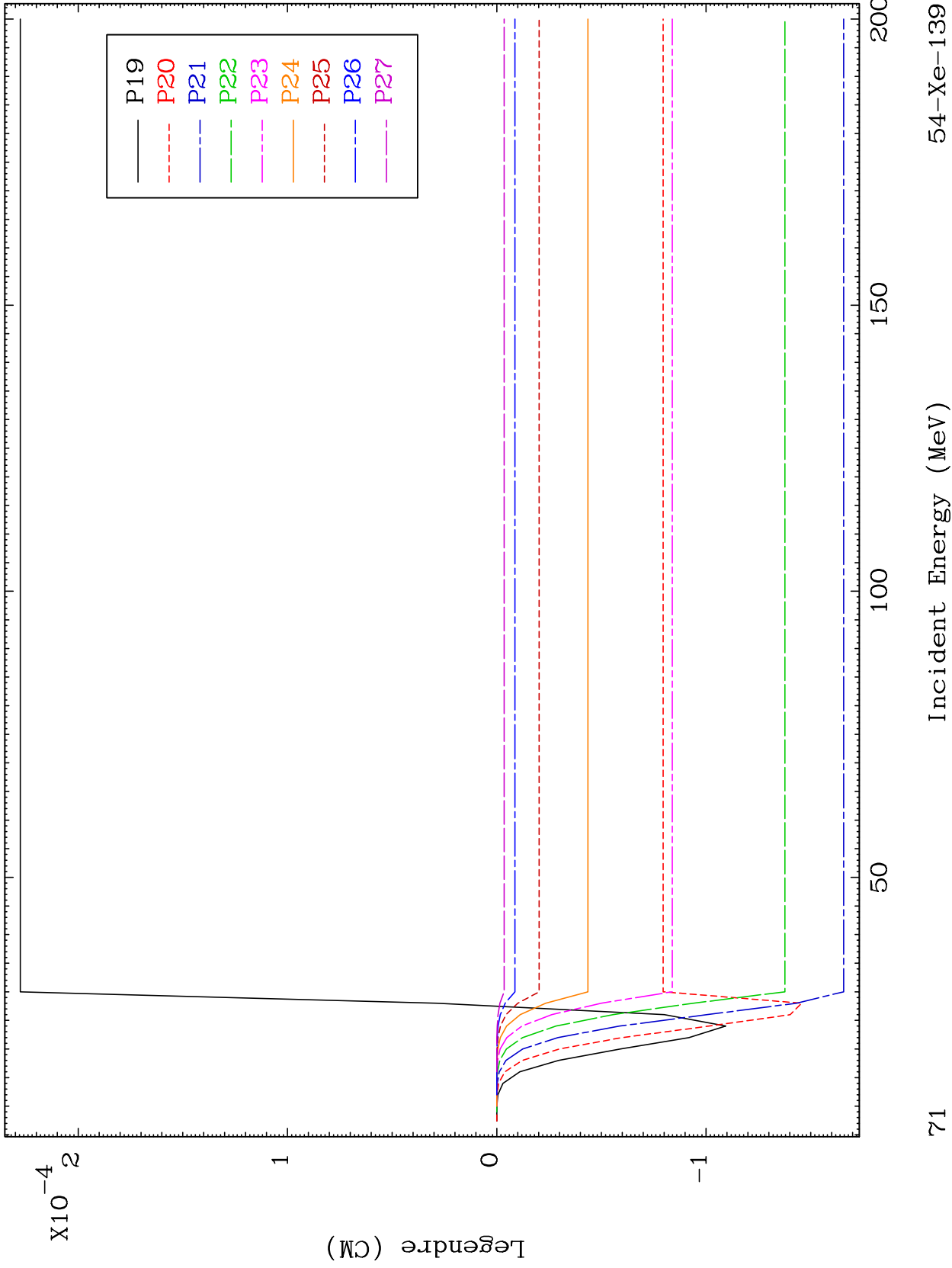
Incident Energy (MeV)

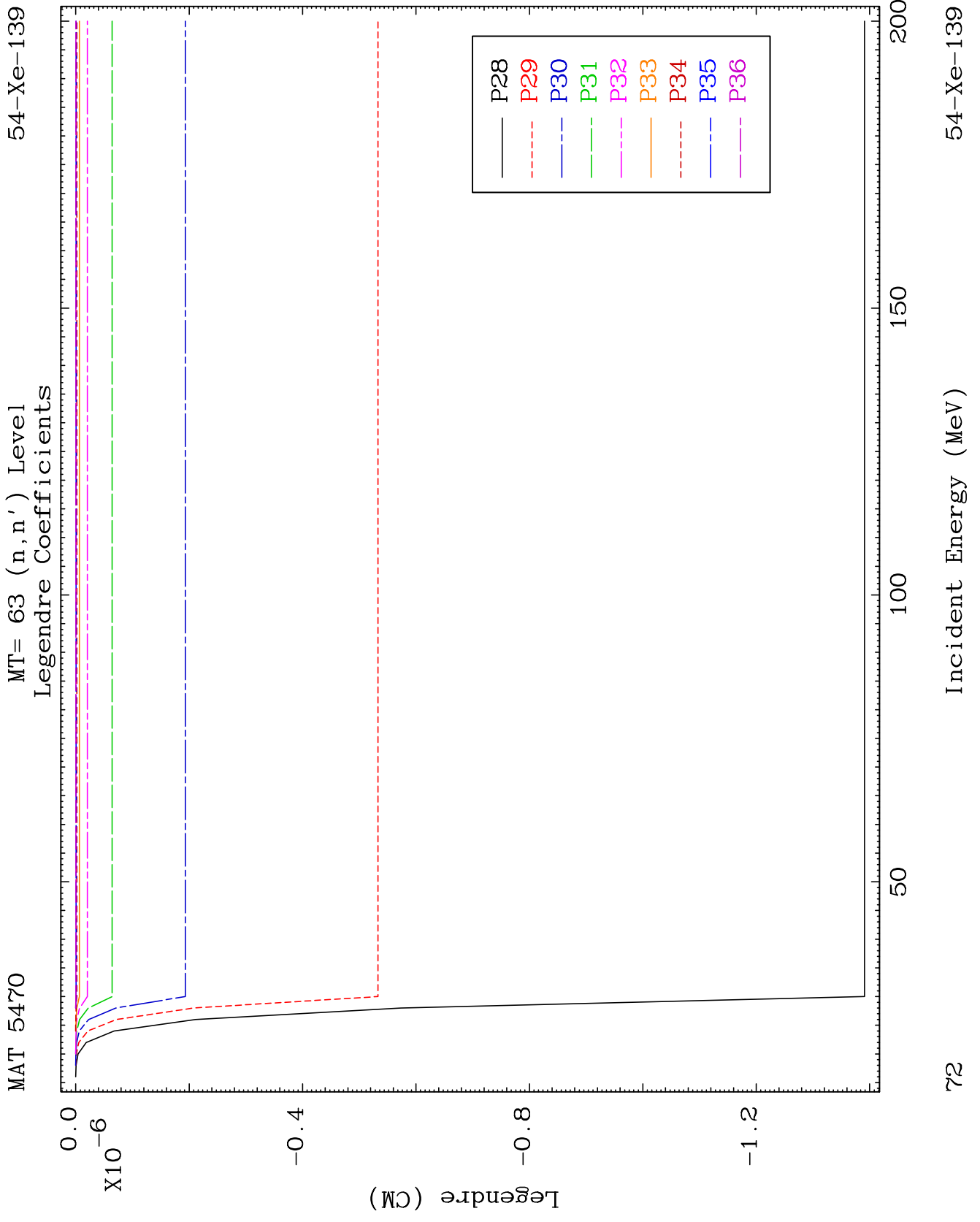
54-Xe-139

MAT 5470

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

54-Xe-139

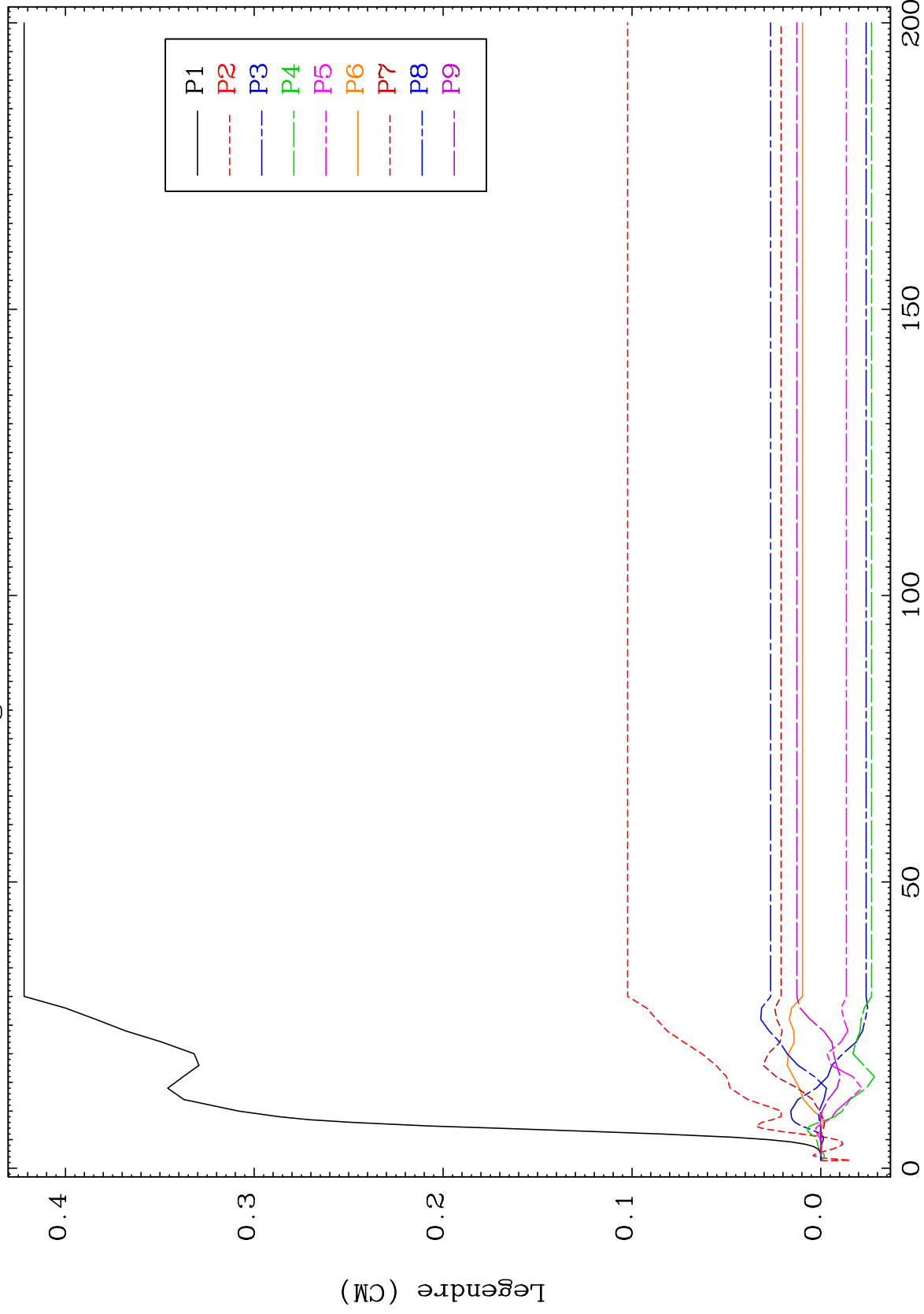




MAT 5470

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

54-Xe-139



73

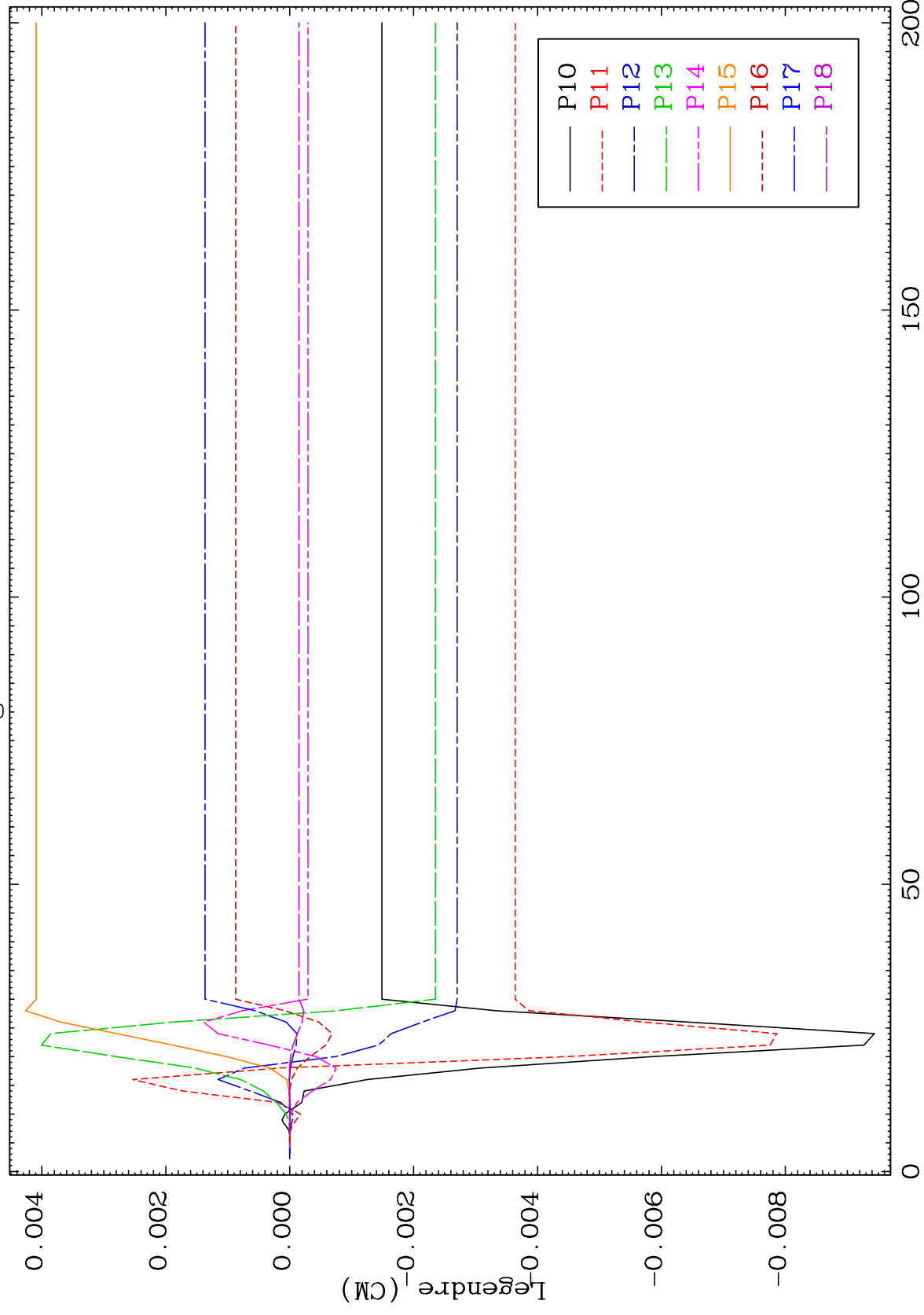
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

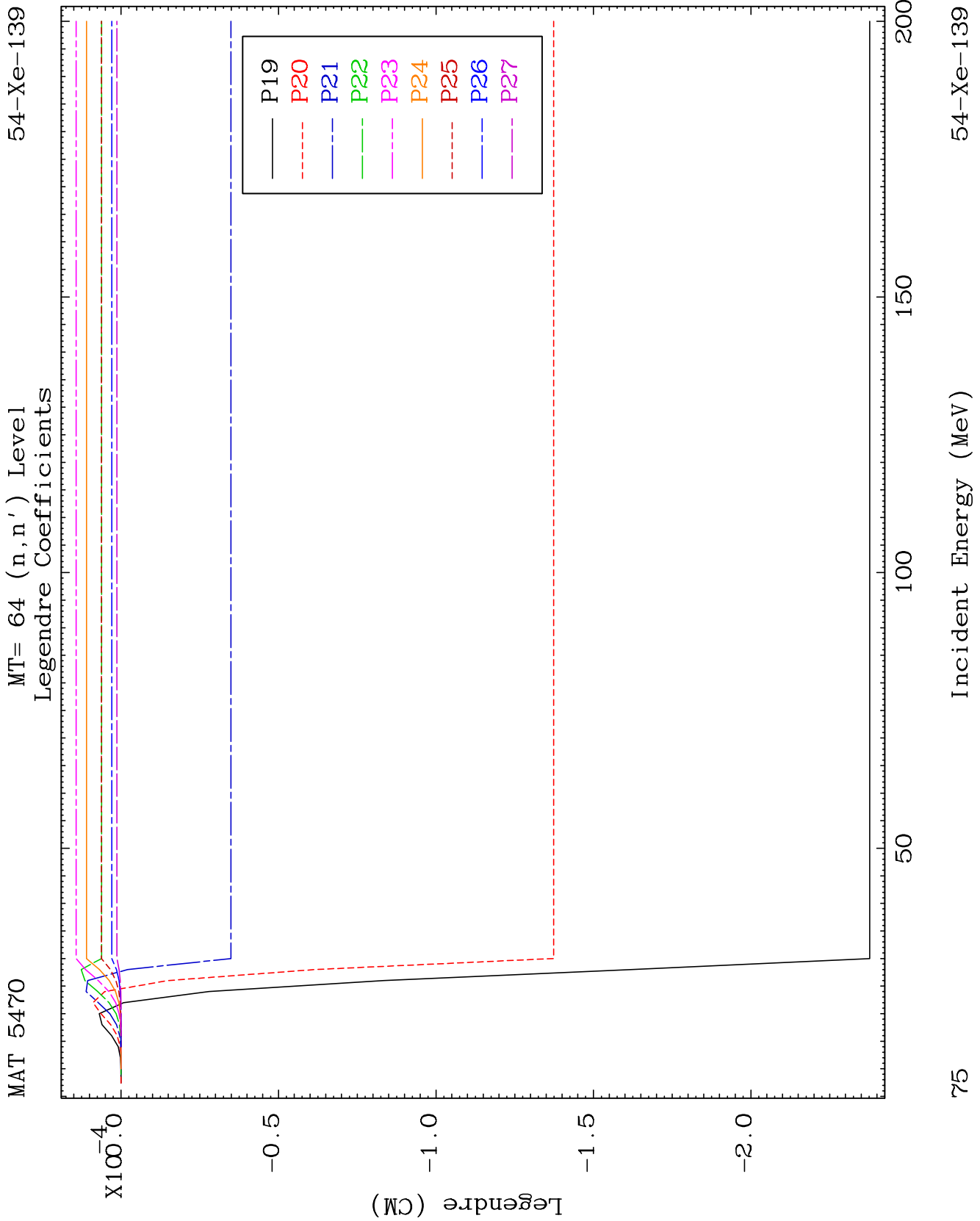
54-Xe-139



74

Incident Energy (MeV)

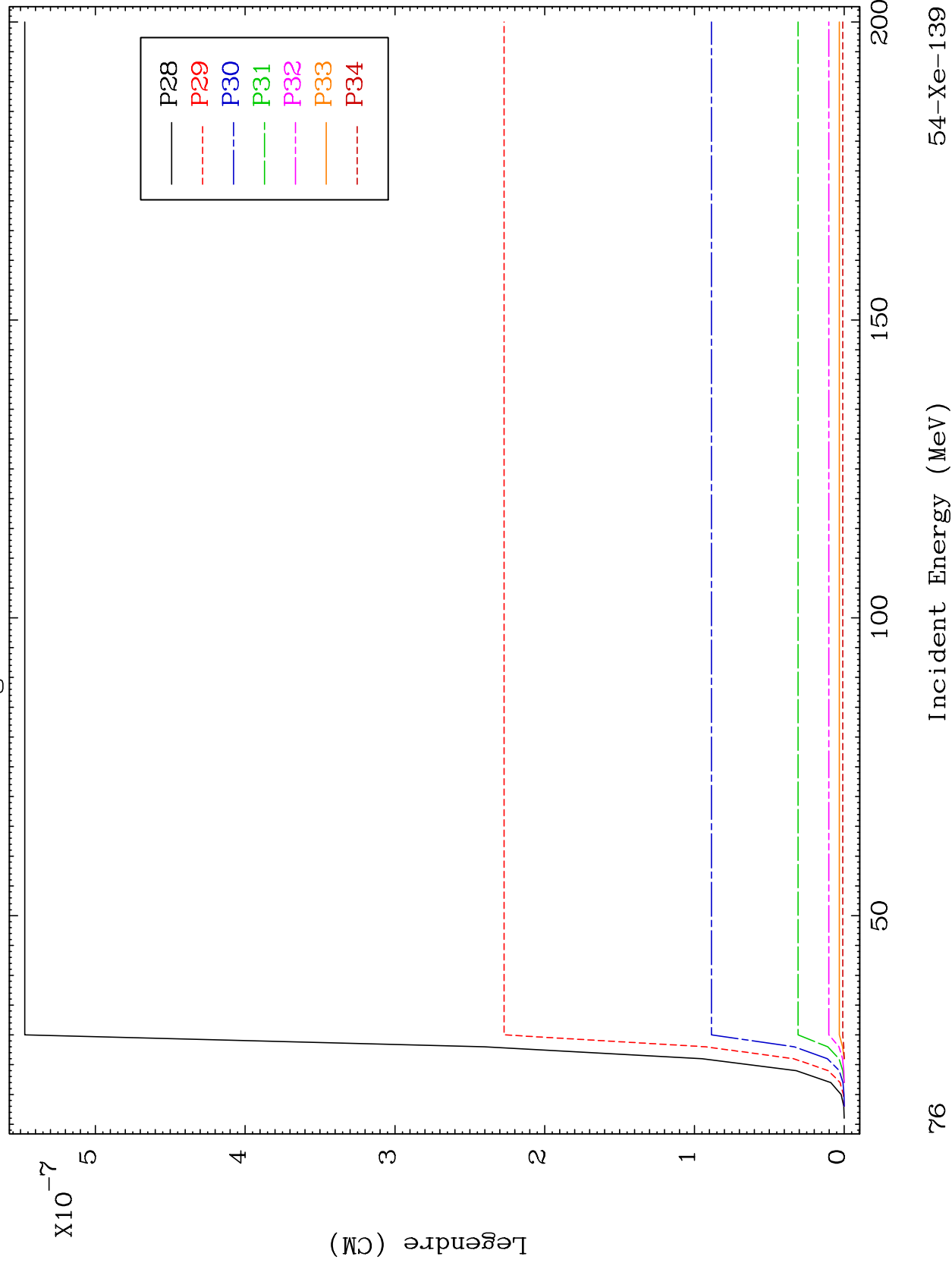
54-Xe-139



MAT 5470

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

54-Xe-139



76

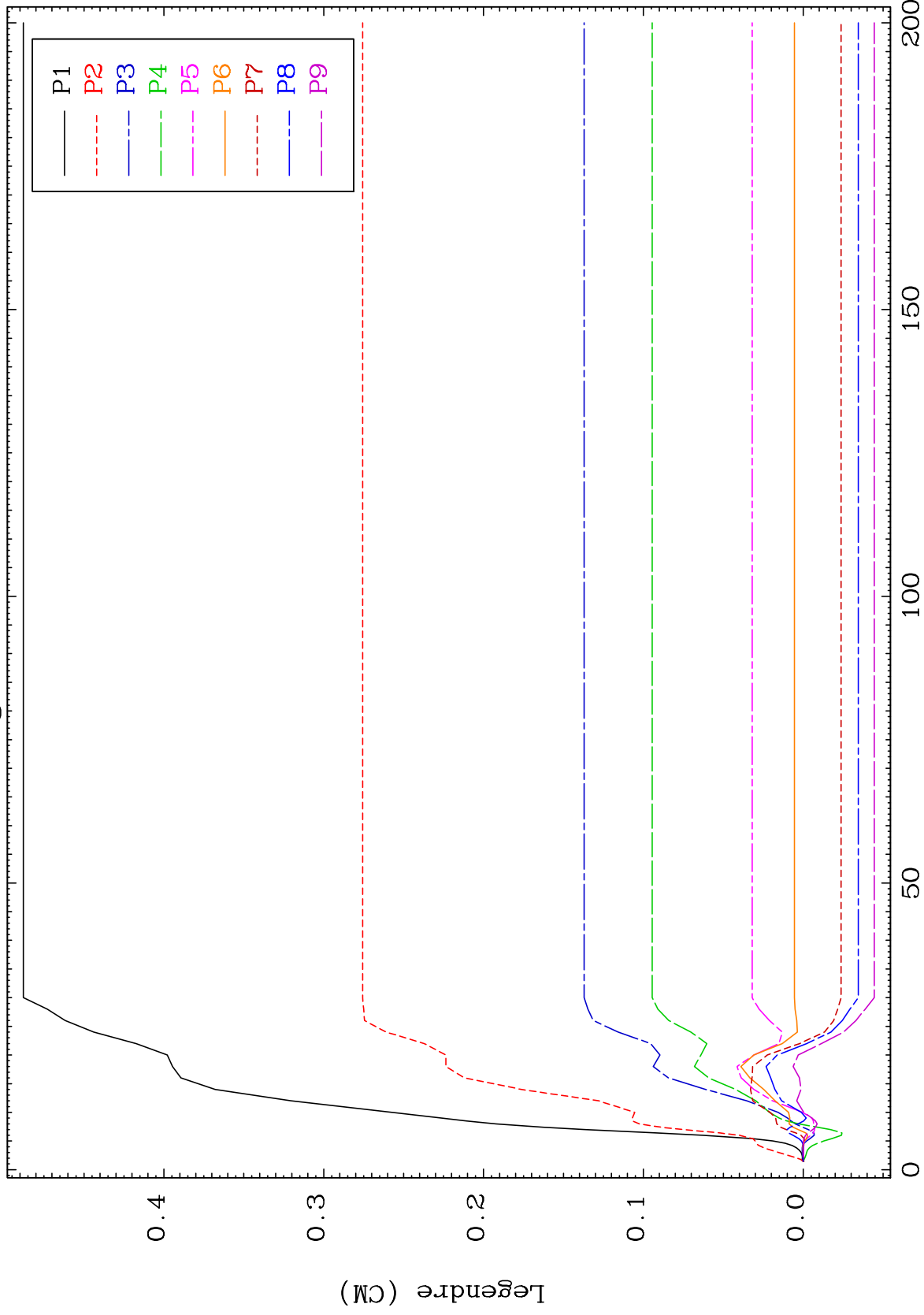
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



77

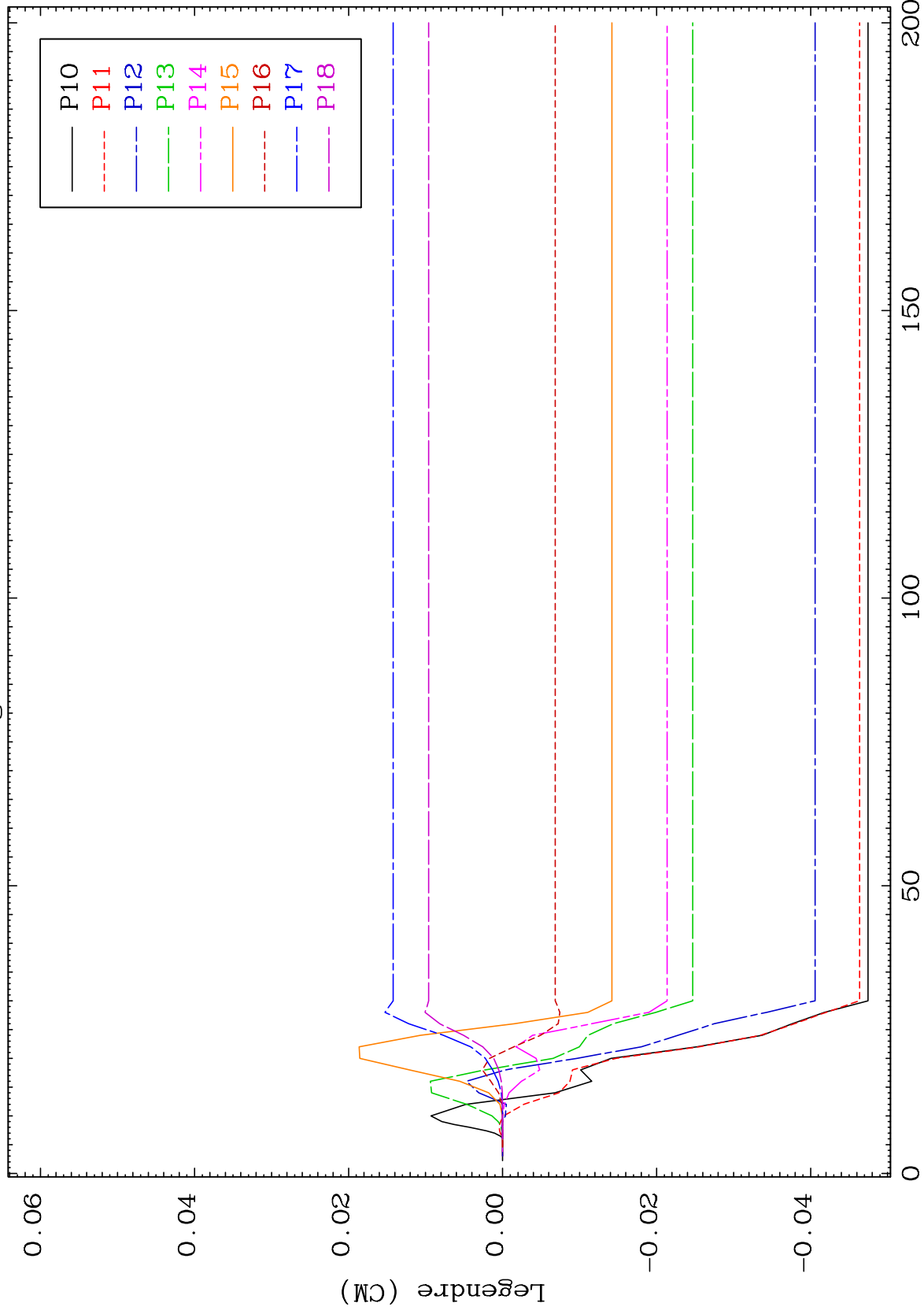
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



78

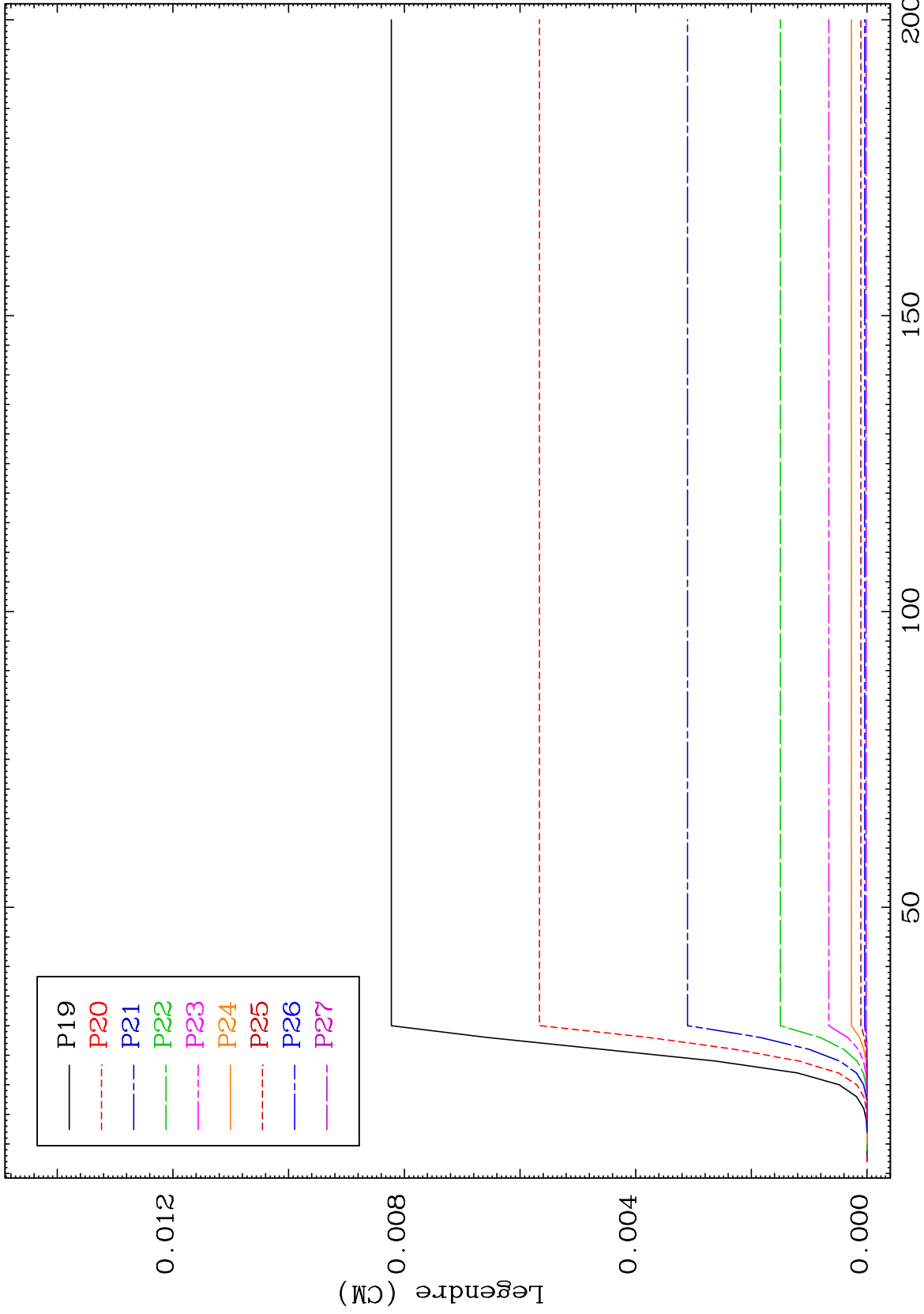
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



79

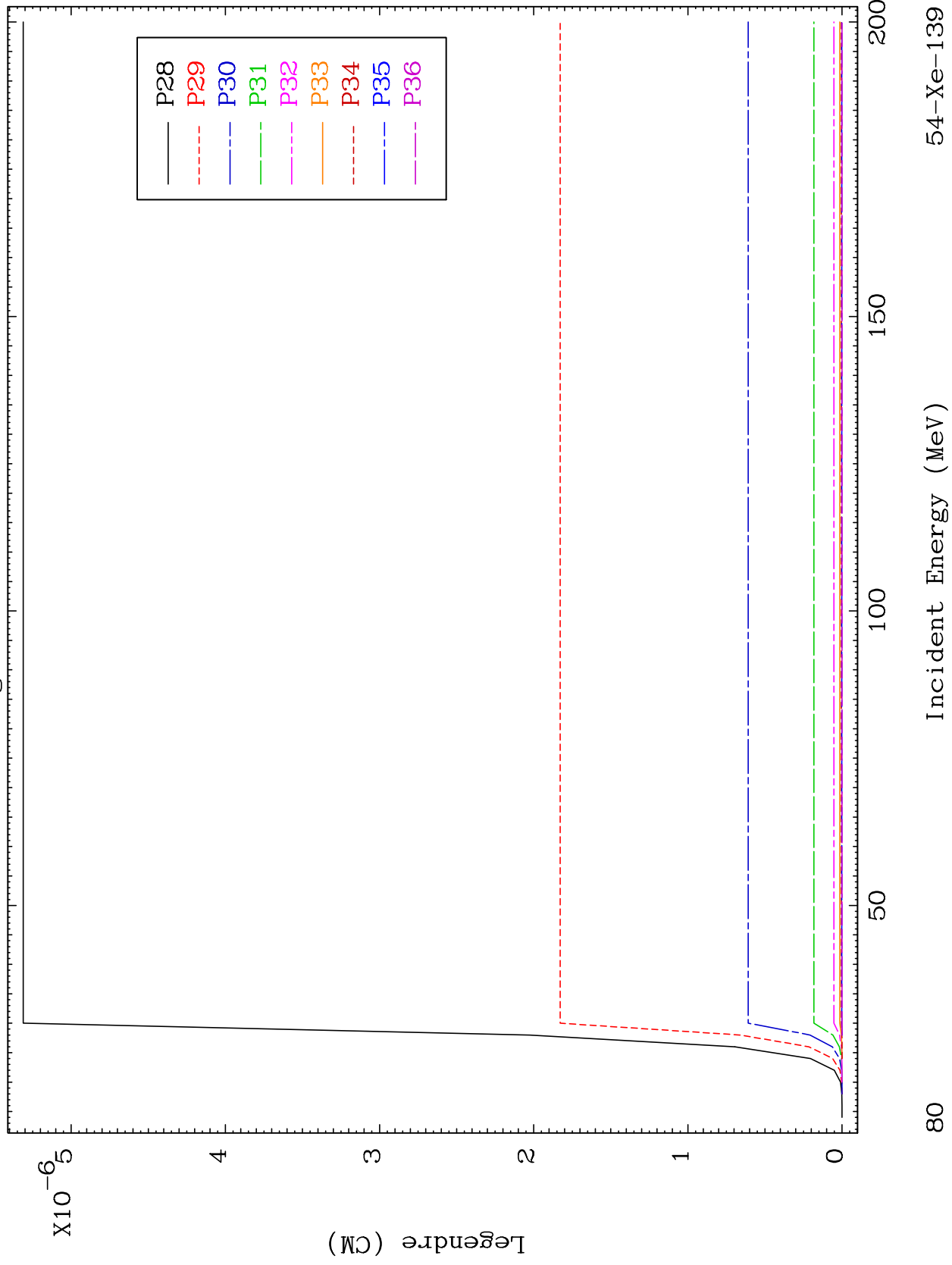
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

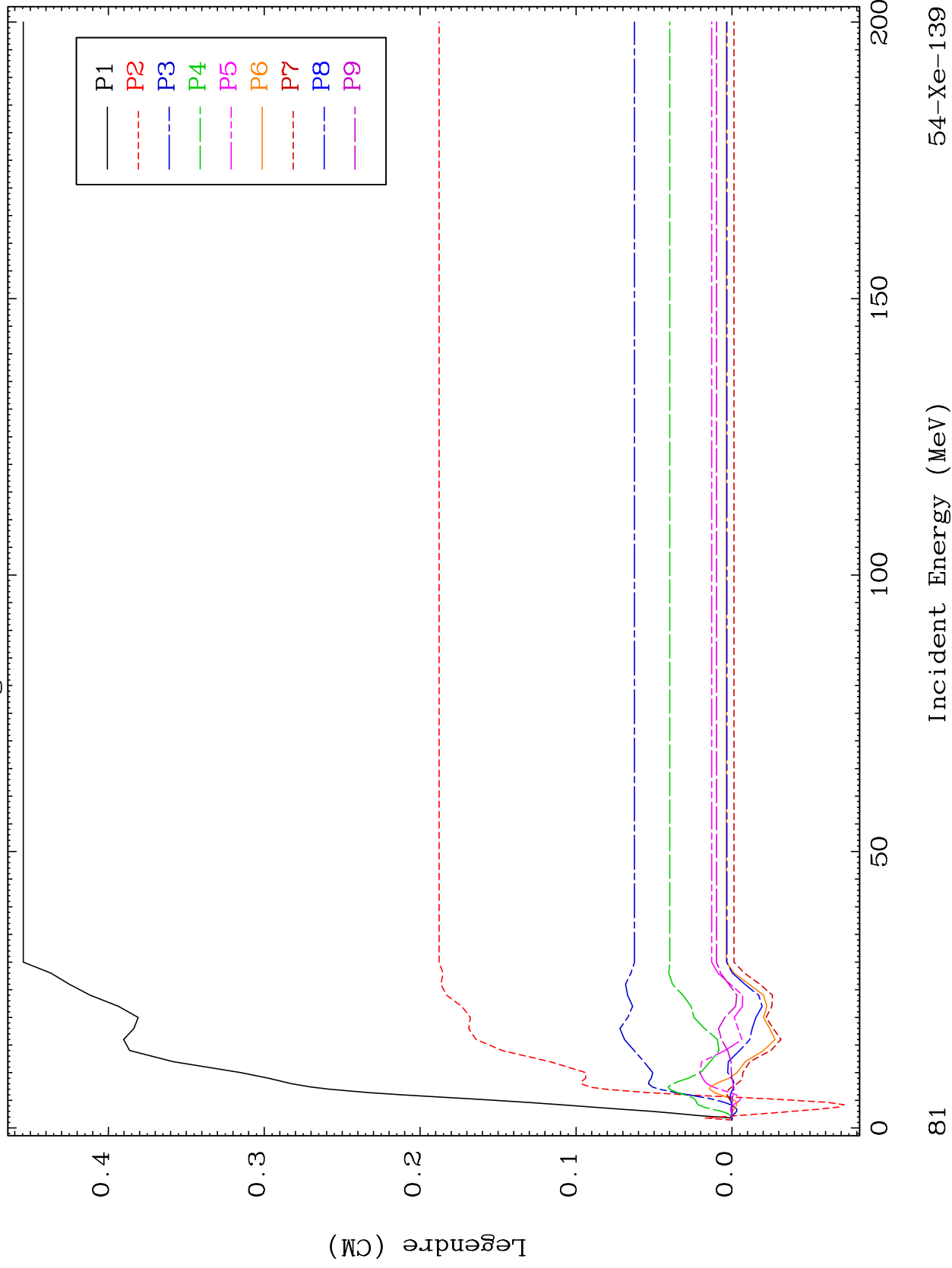
54-Xe-139



MAT 5470

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

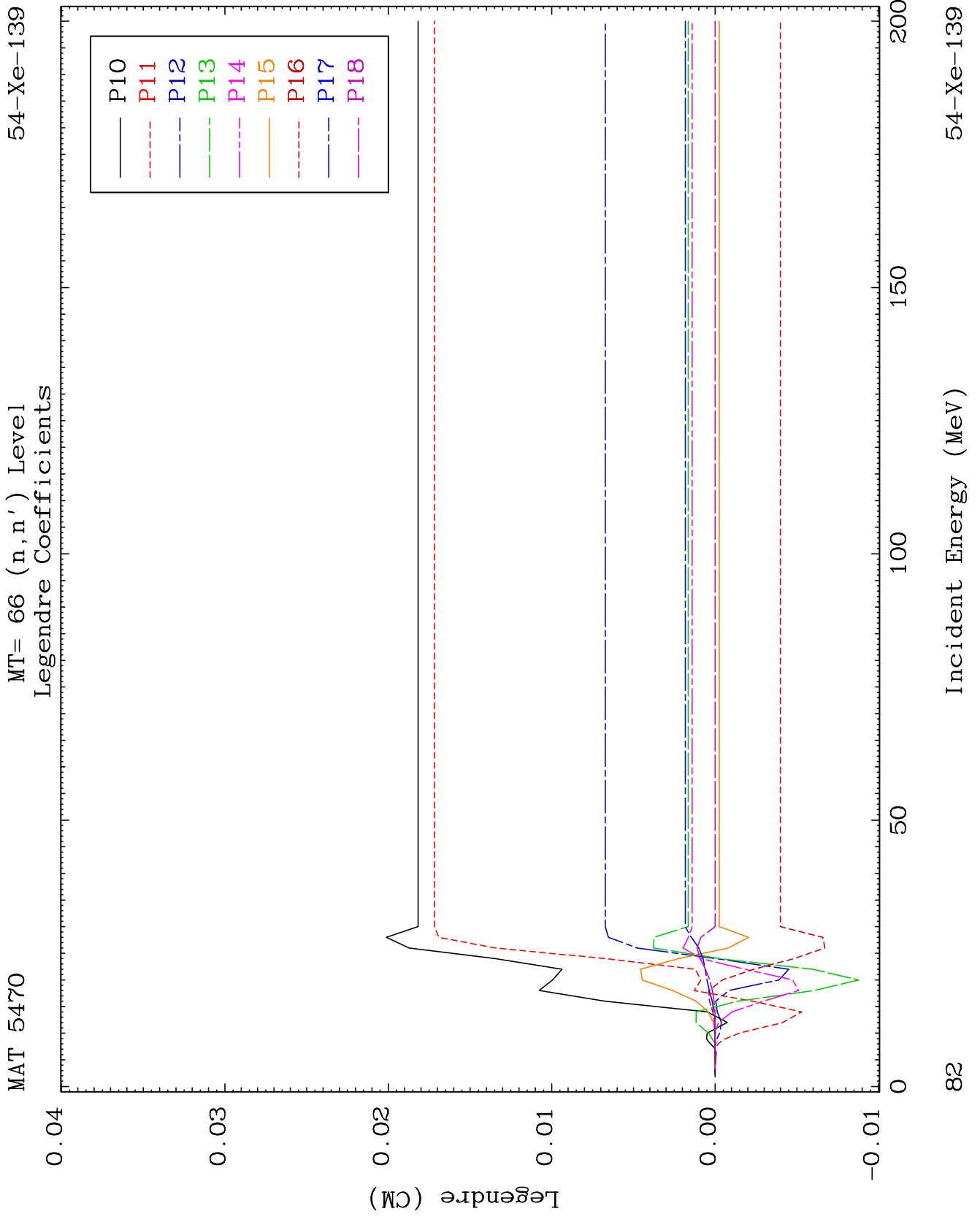
54-Xe-139



54-Xe-139

Incident Energy (MeV)

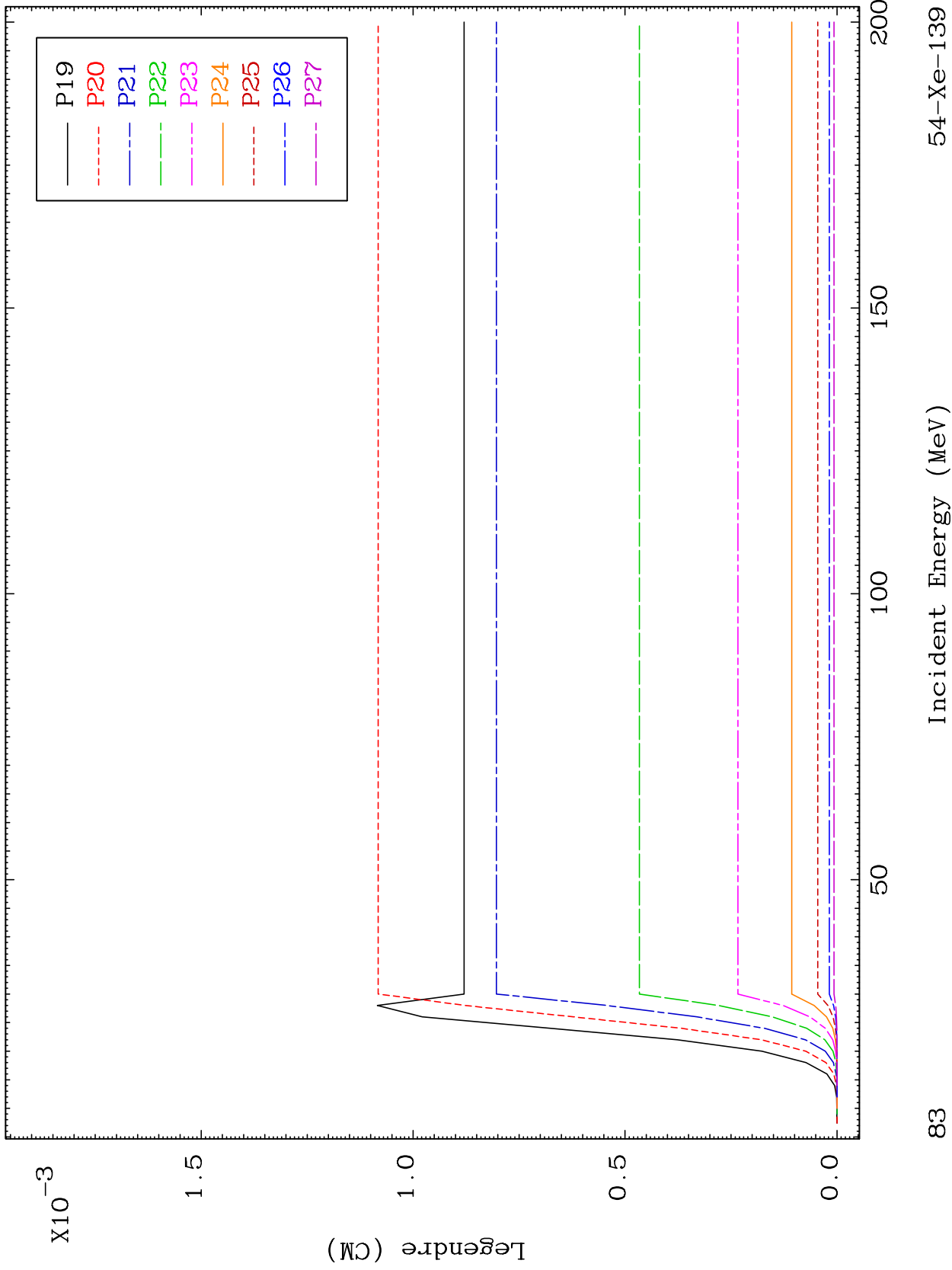
81



MAT 5470

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

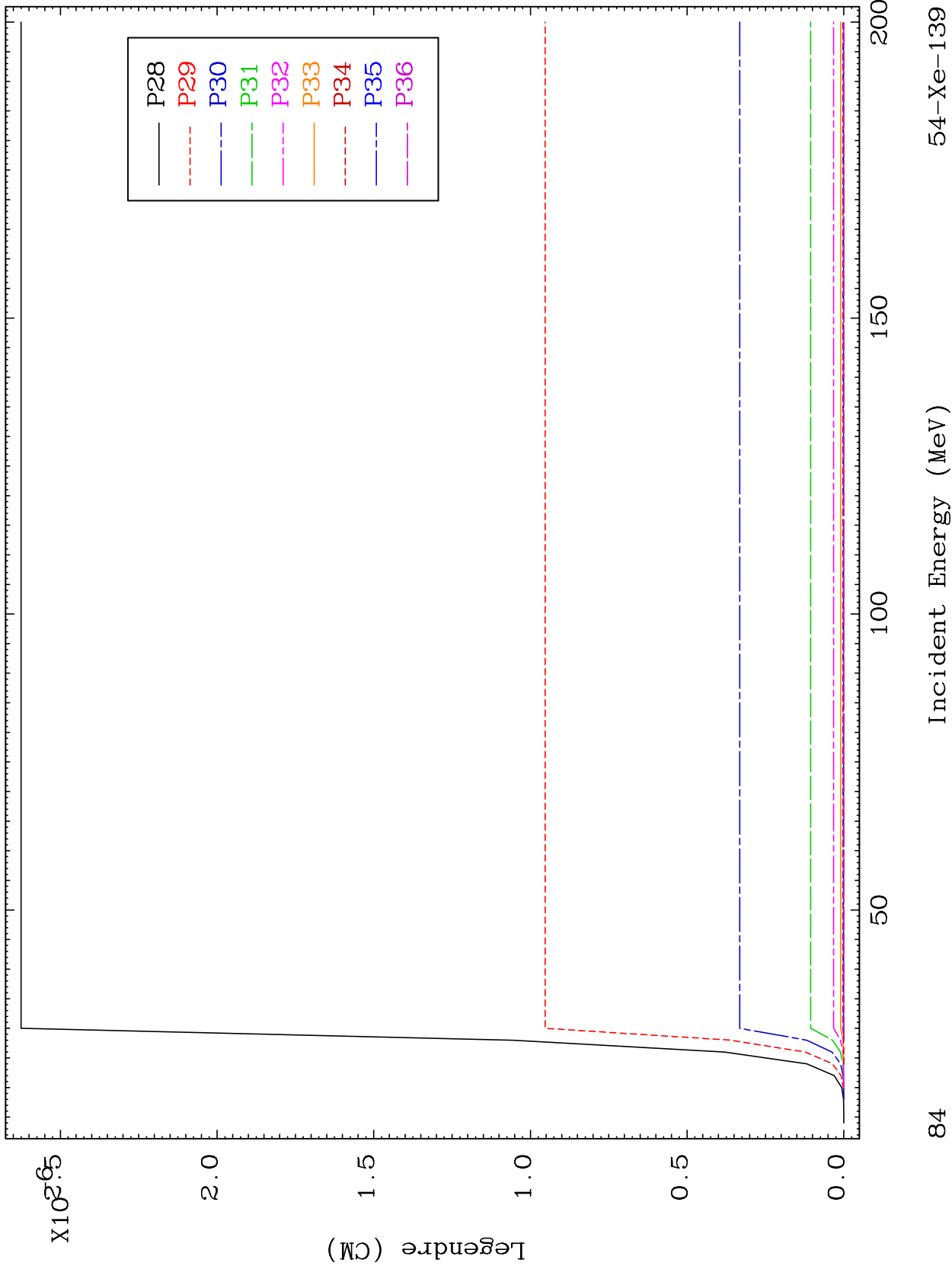
54-Xe-139



MAT 5470

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

54-Xe-139



84

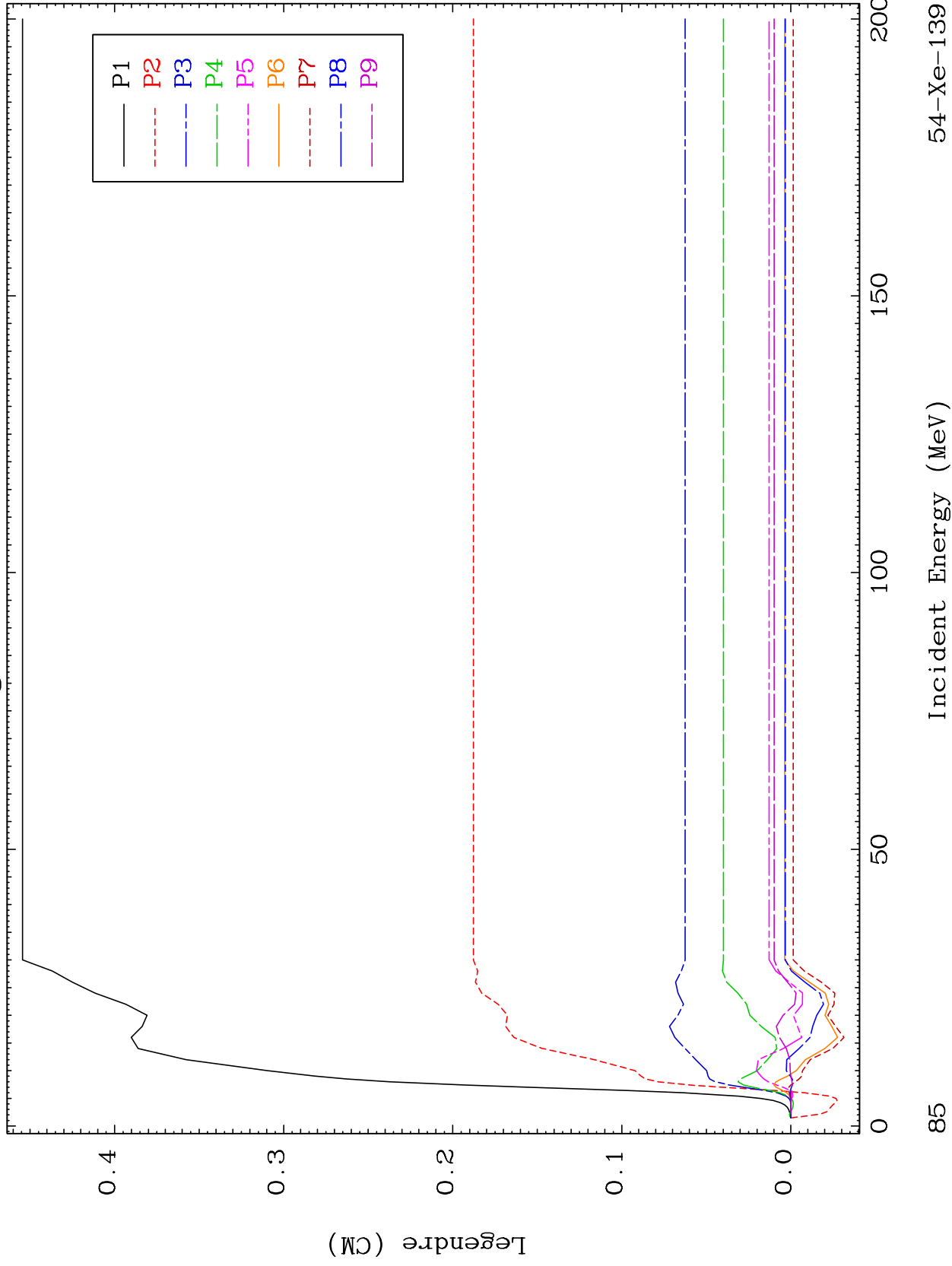
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

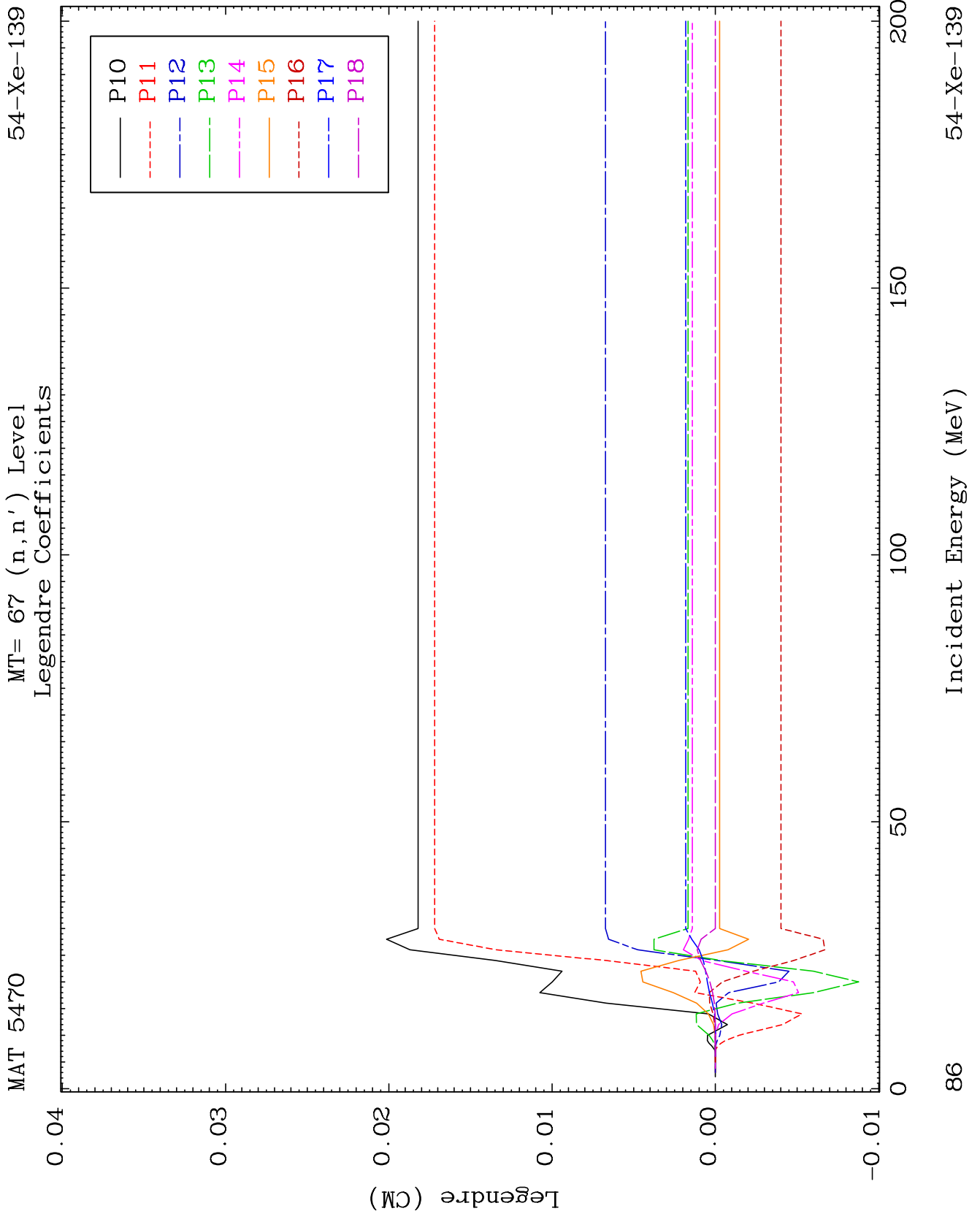
54-Xe-139



54-Xe-139

Incident Energy (MeV)

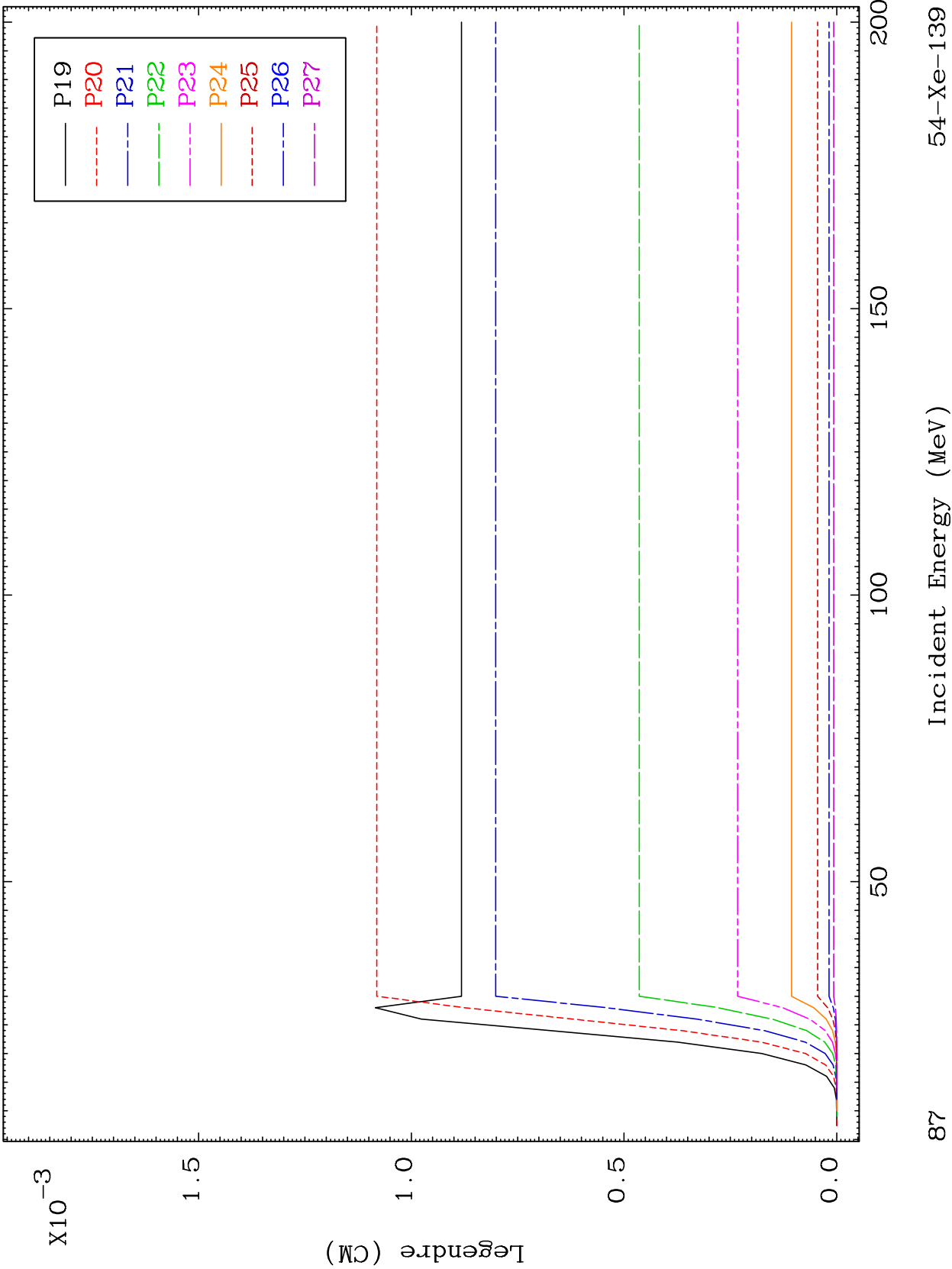
85



MAT 5470

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

54-Xe-139



87

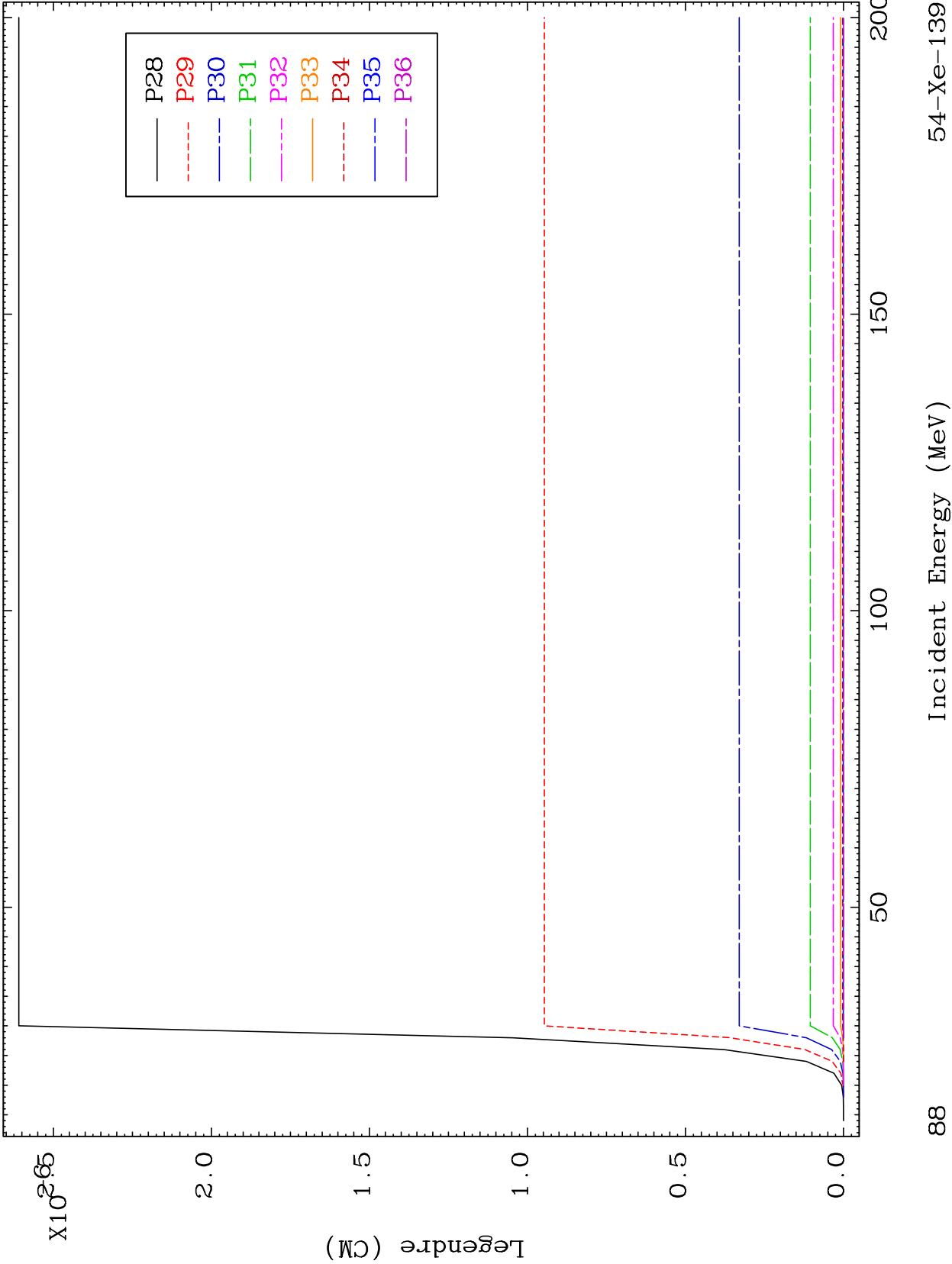
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



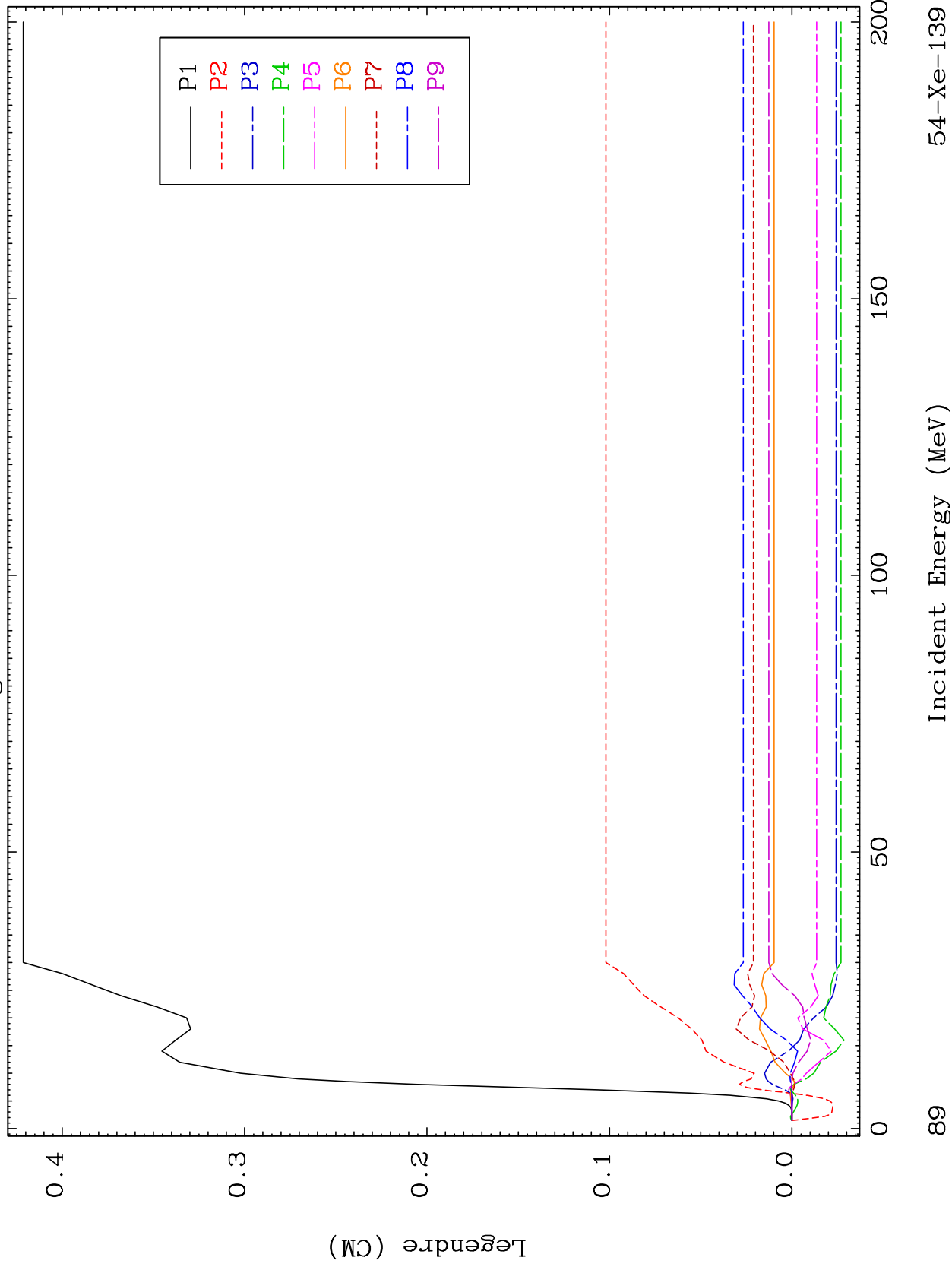
88

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

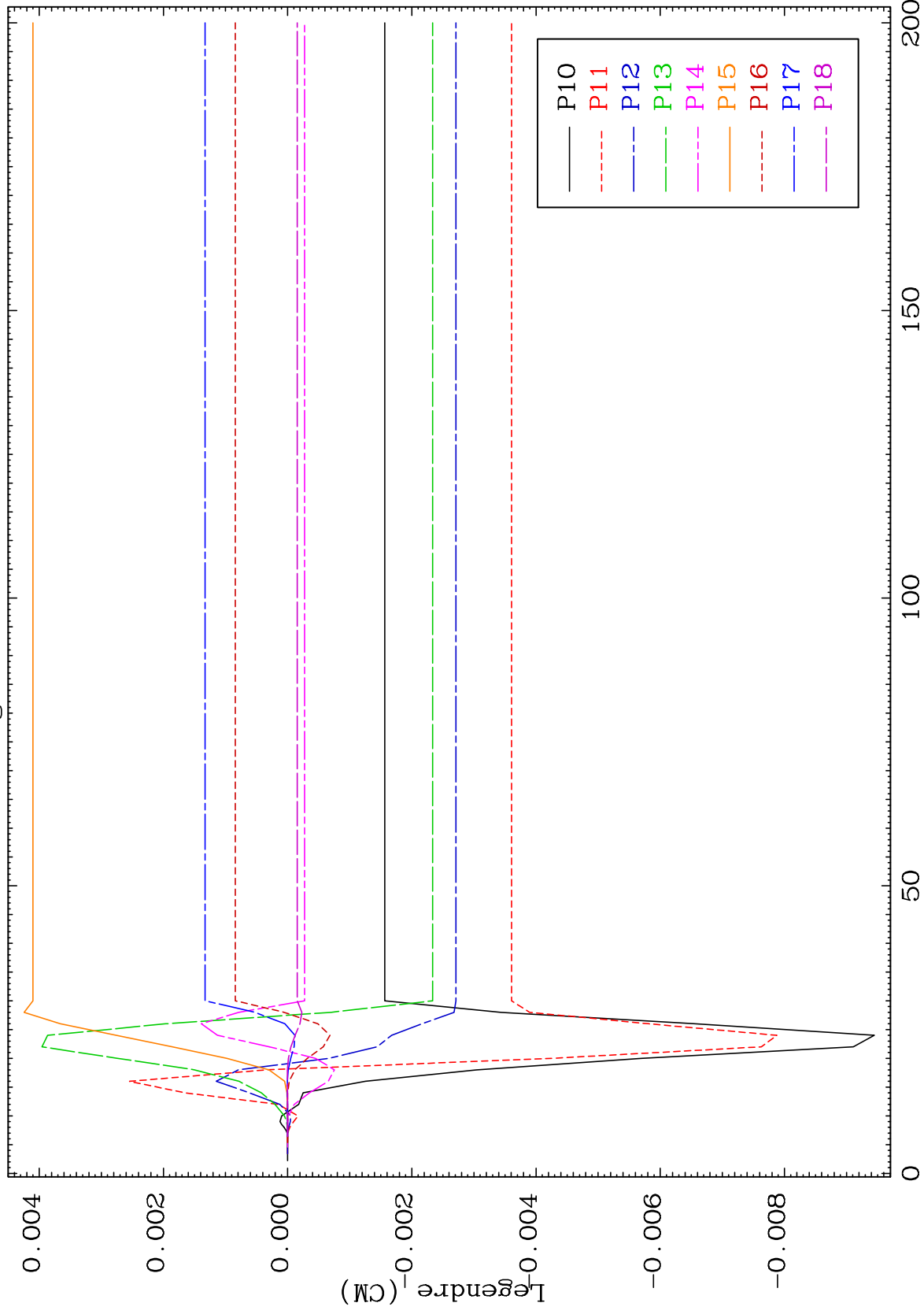
Incident Energy (MeV)

89

MAT 5470

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

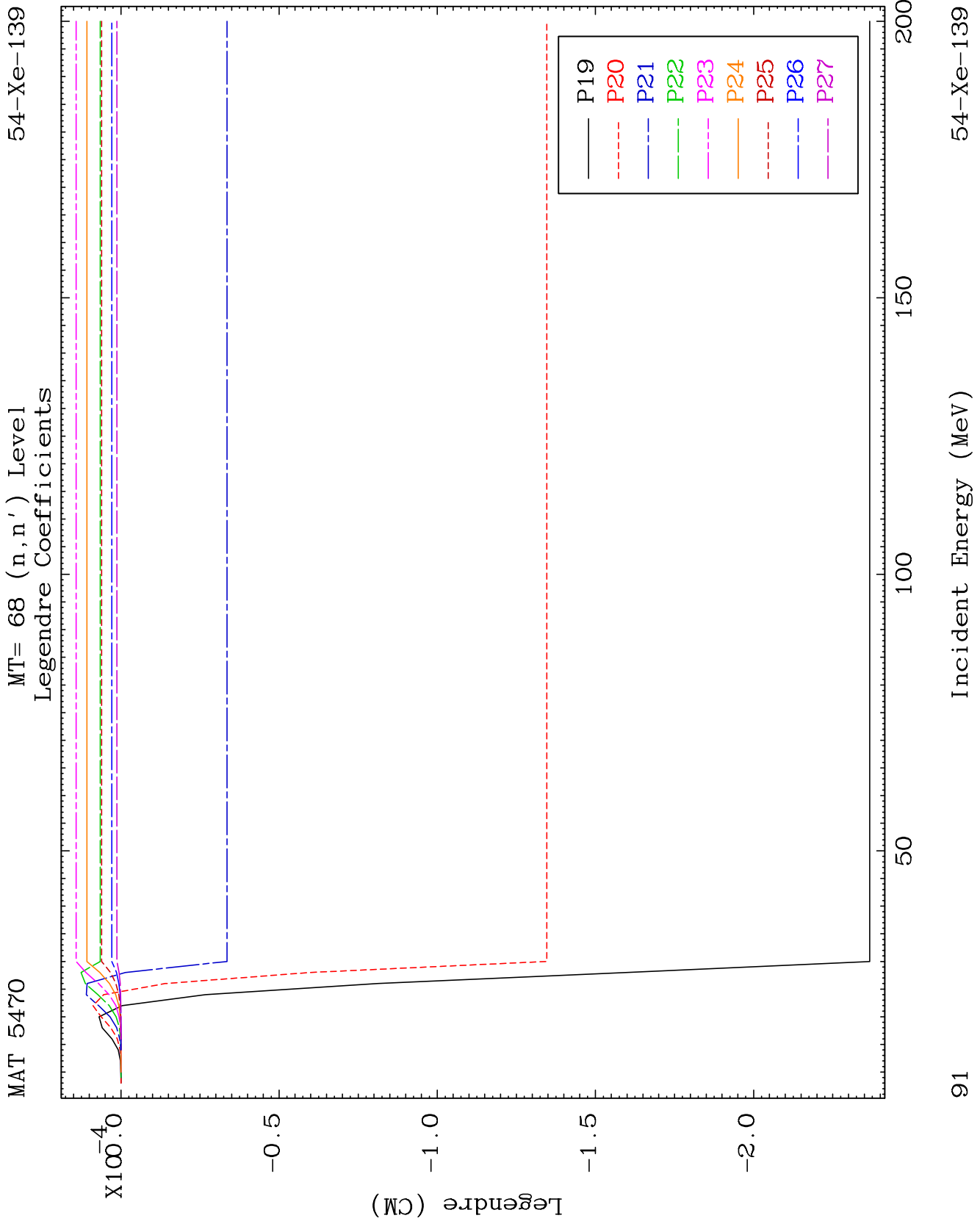
54-Xe-139



90

Incident Energy (MeV)

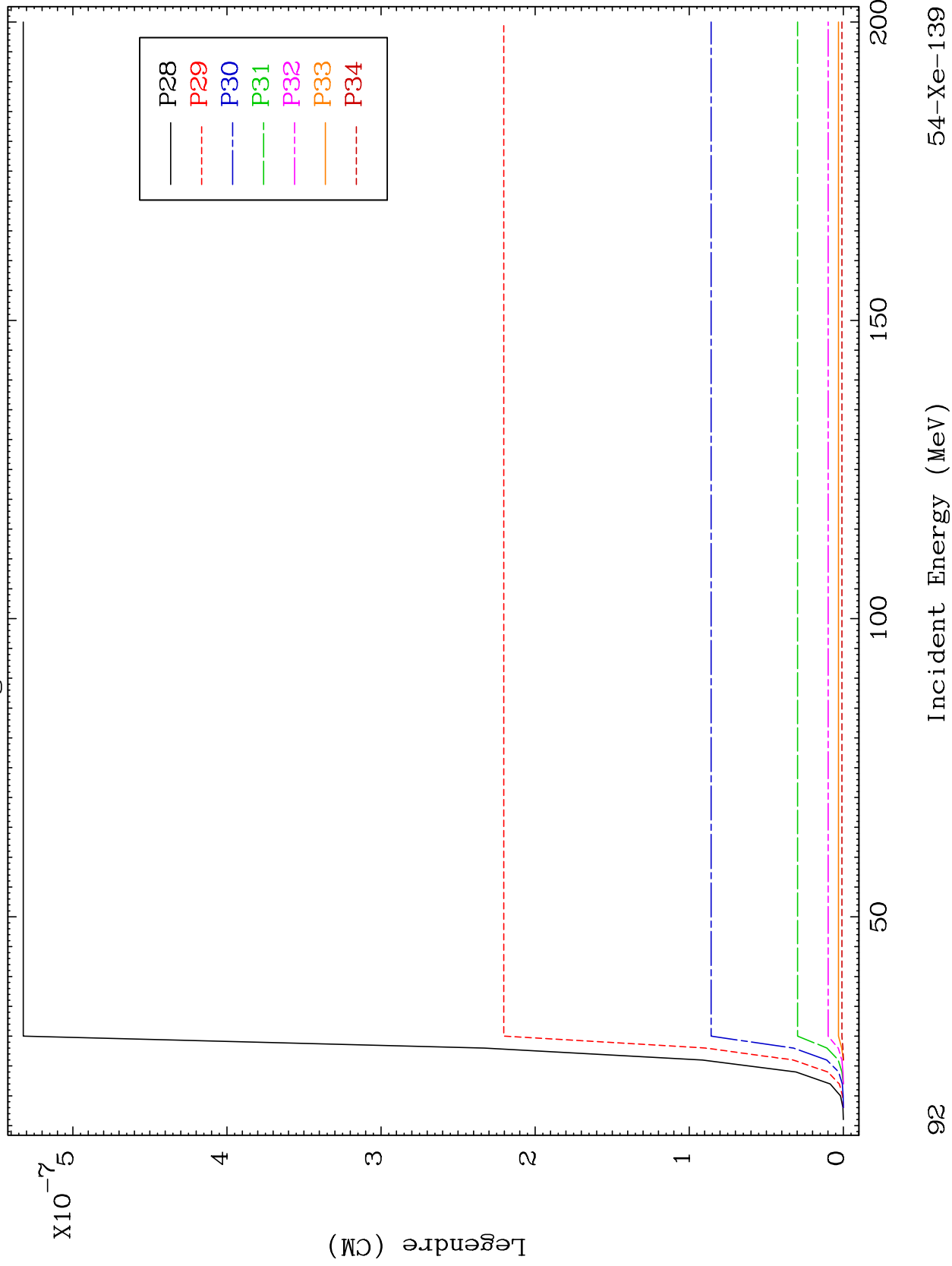
54-Xe-139



MAT 5470

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

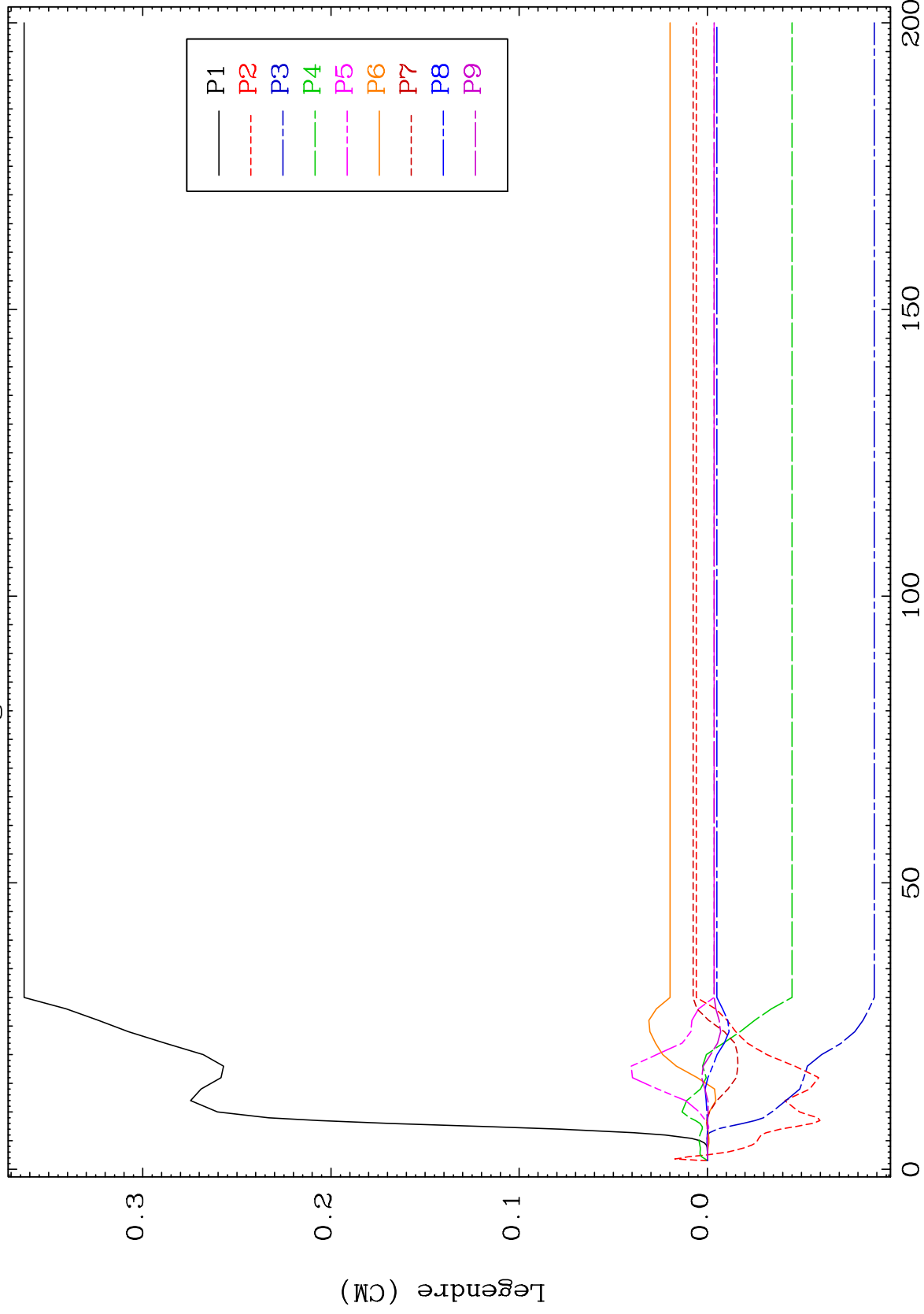
54-Xe-139



MAT 5470

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

54-Xe-139



93

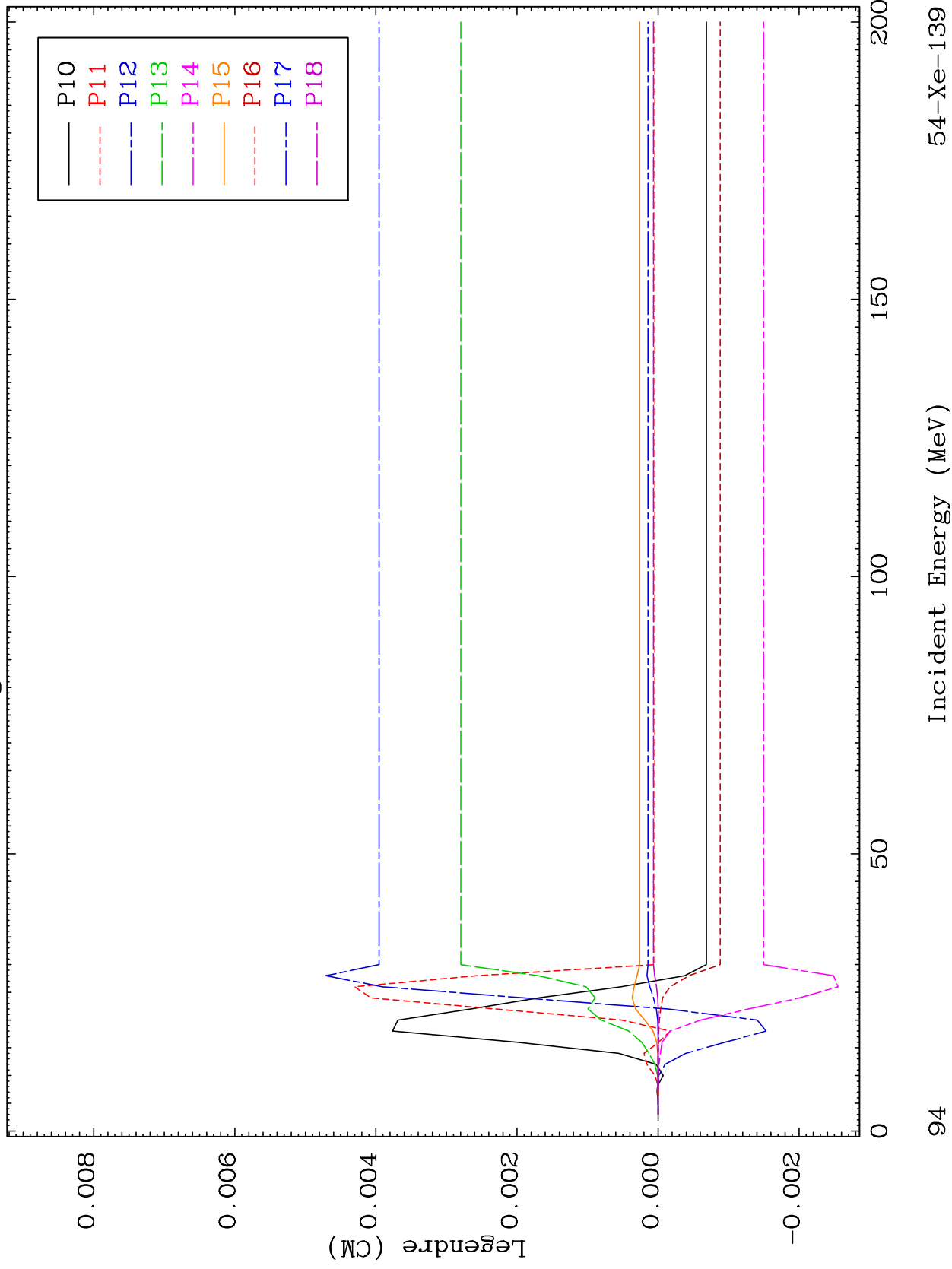
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

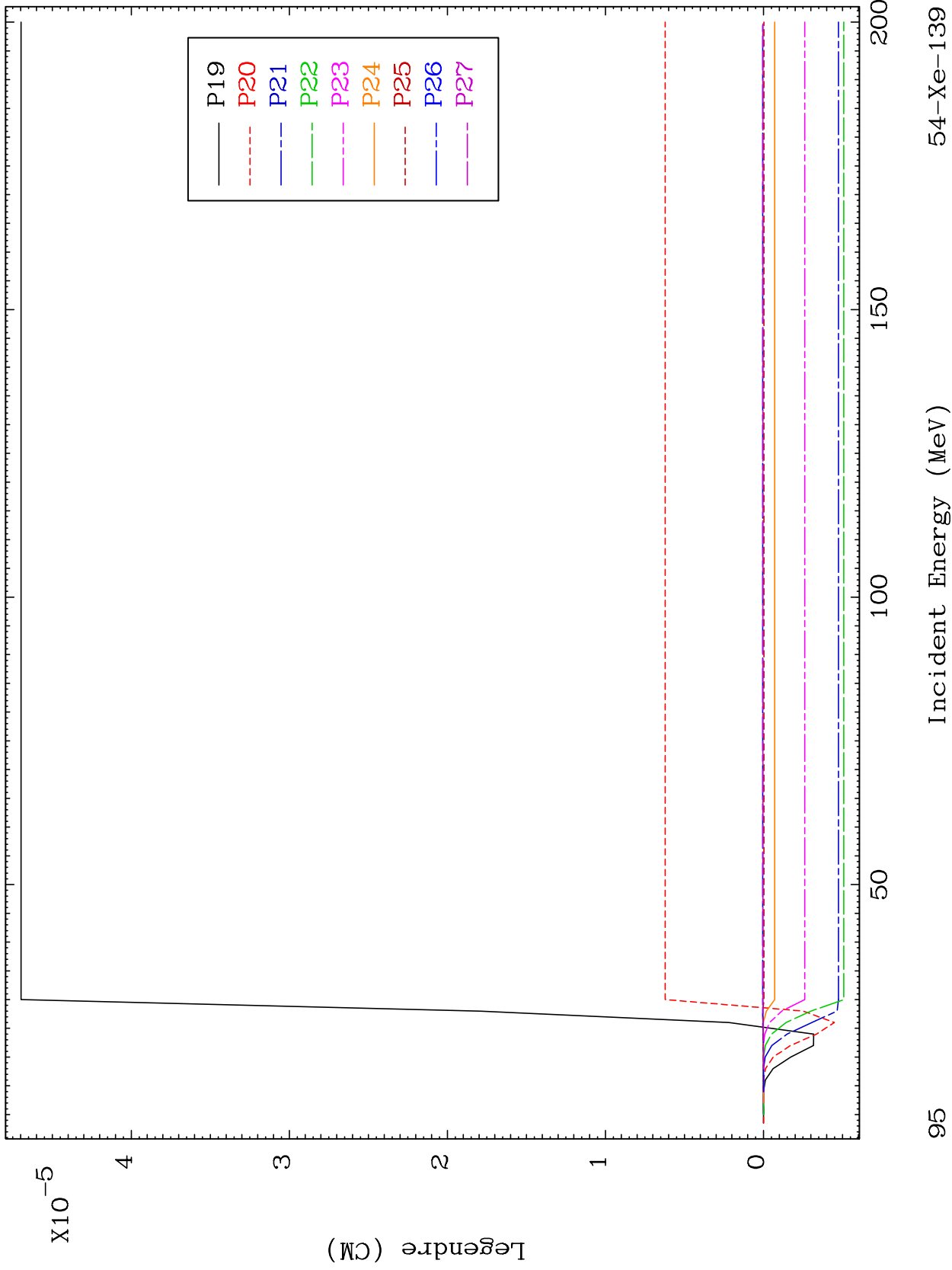
Incident Energy (MeV)

94

MAT 5470

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

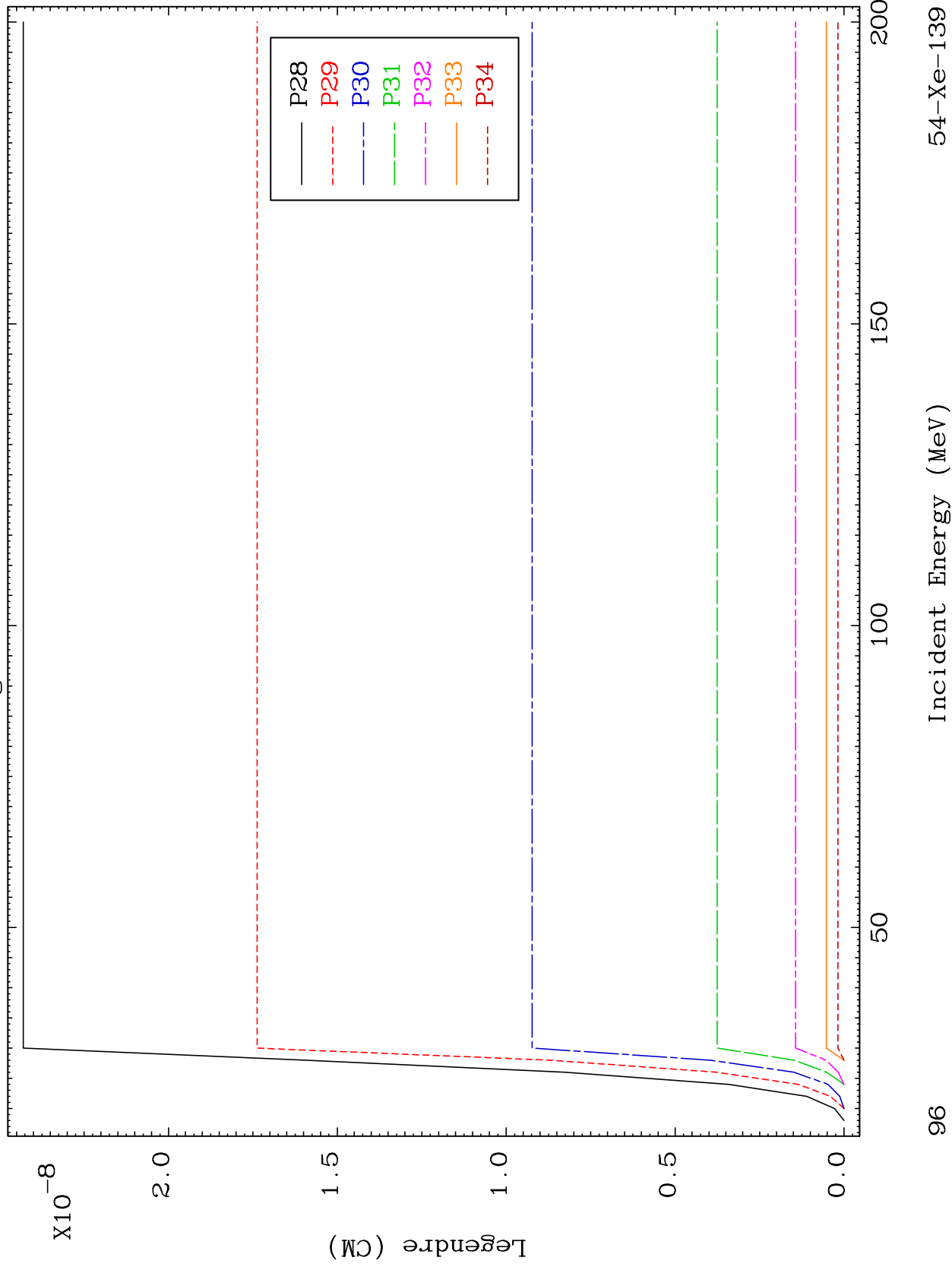
54-Xe-139



MAT 5470

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

54-Xe-139



96

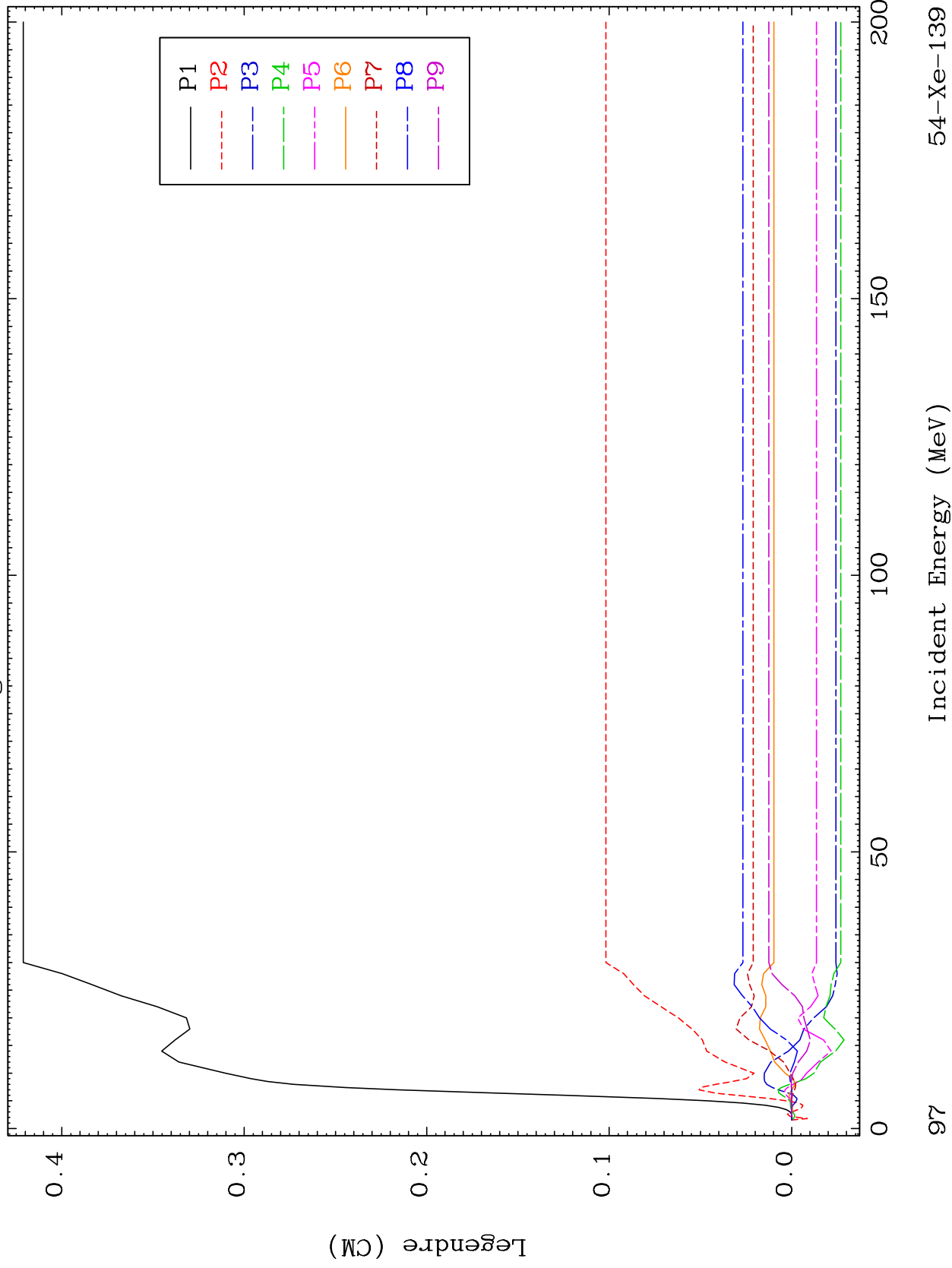
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



97

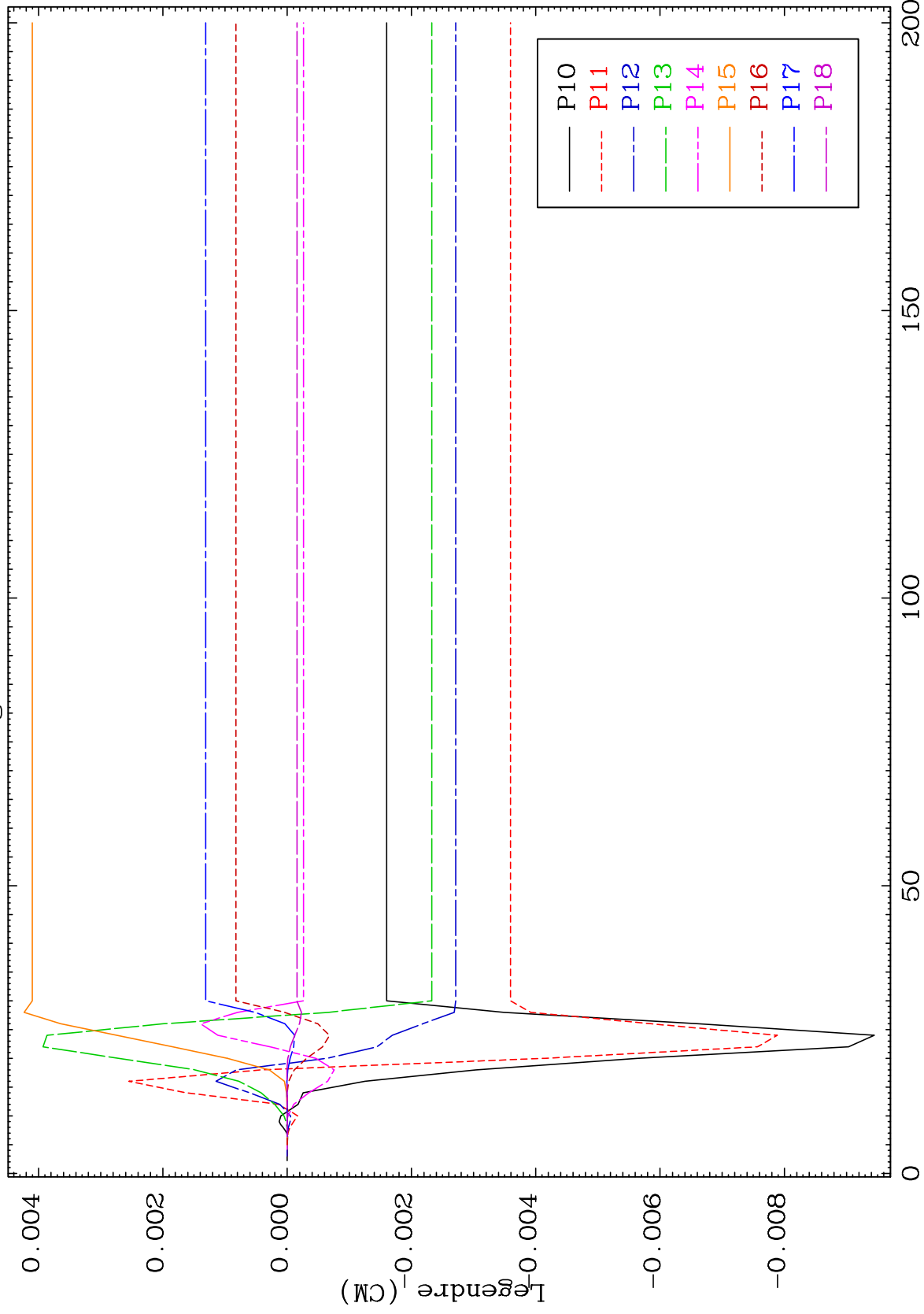
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

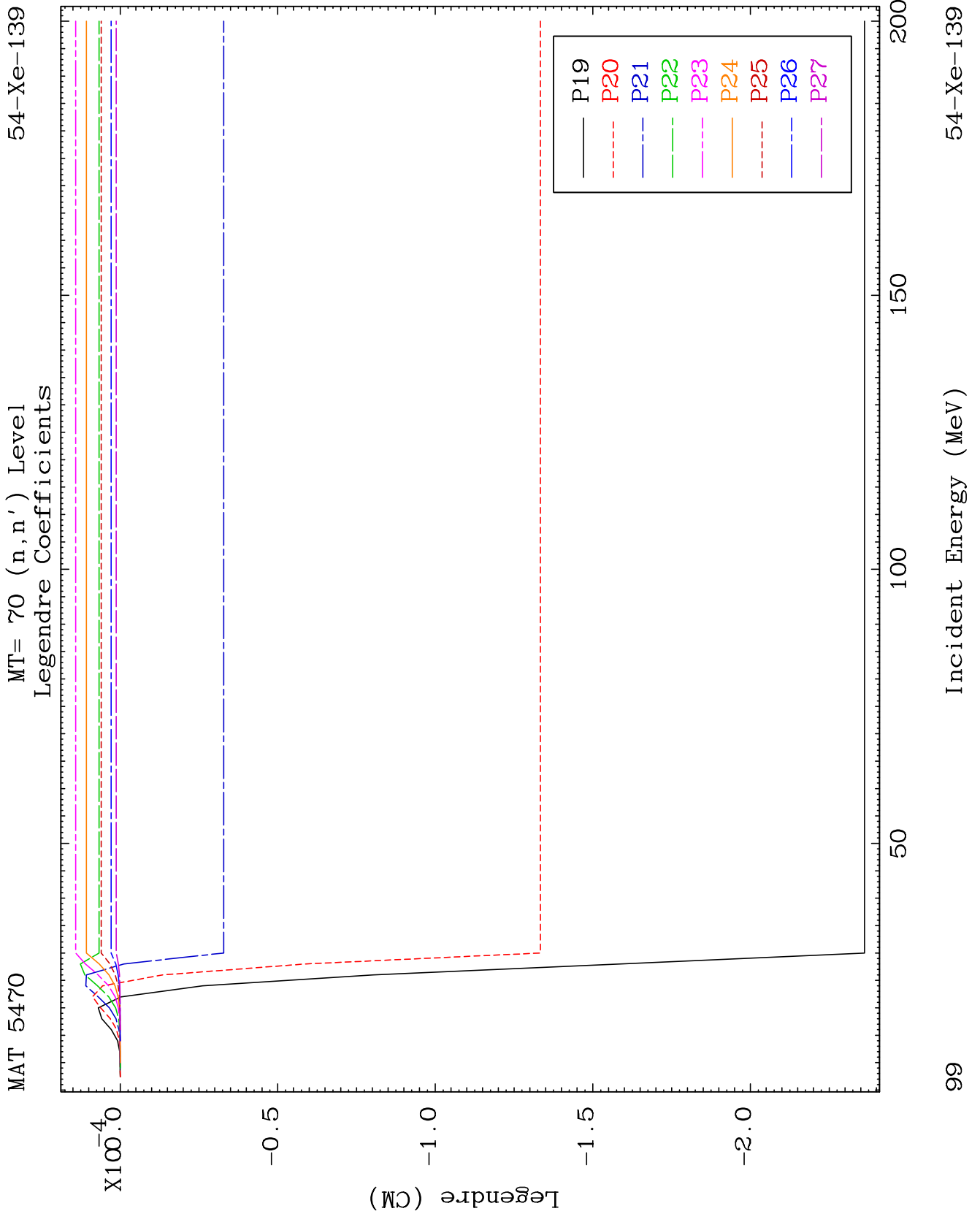
54-Xe-139



98

Incident Energy (MeV)

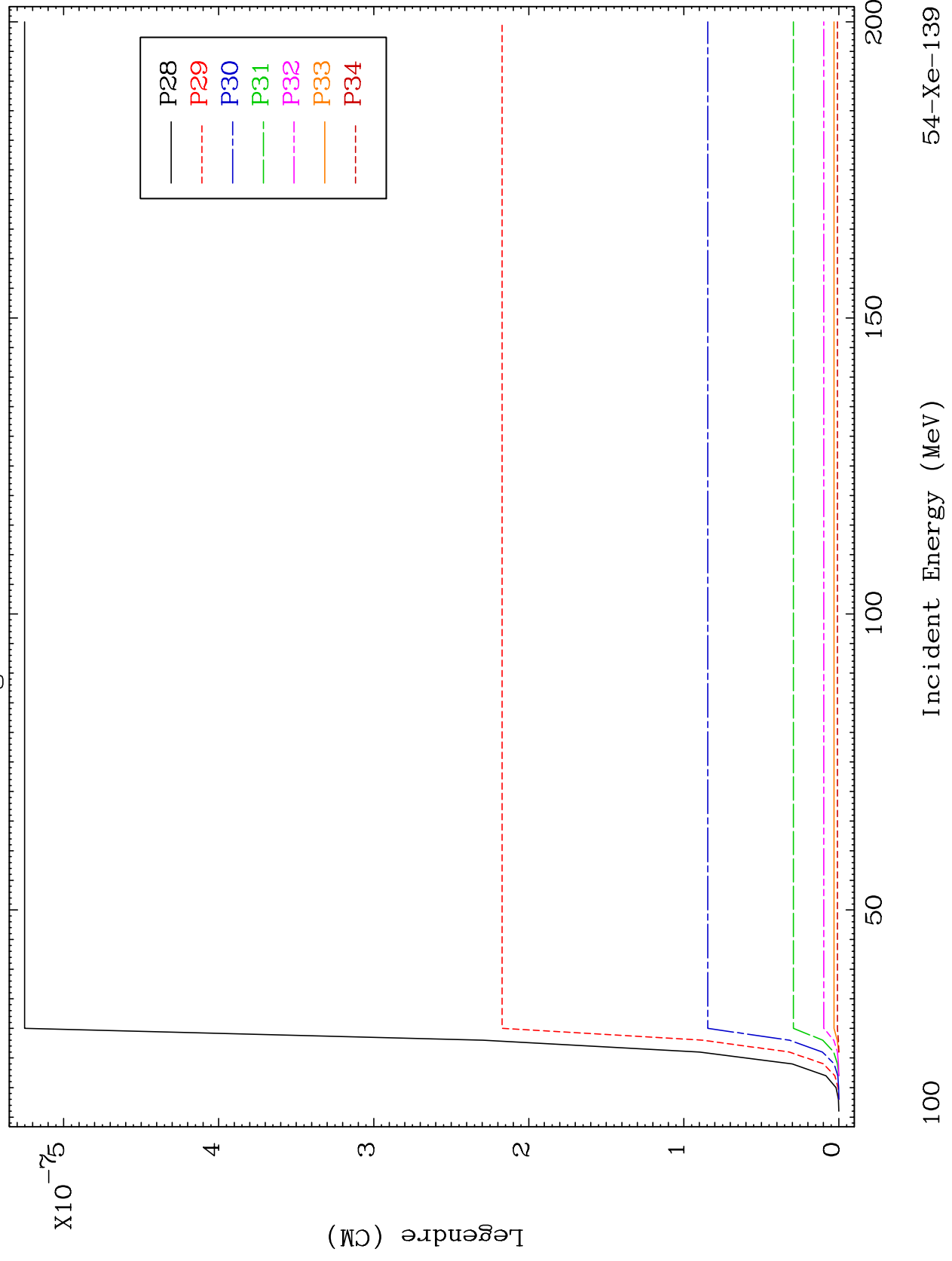
54-Xe-139



MAT 5470

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

54-Xe-139



100

50

100

150

200

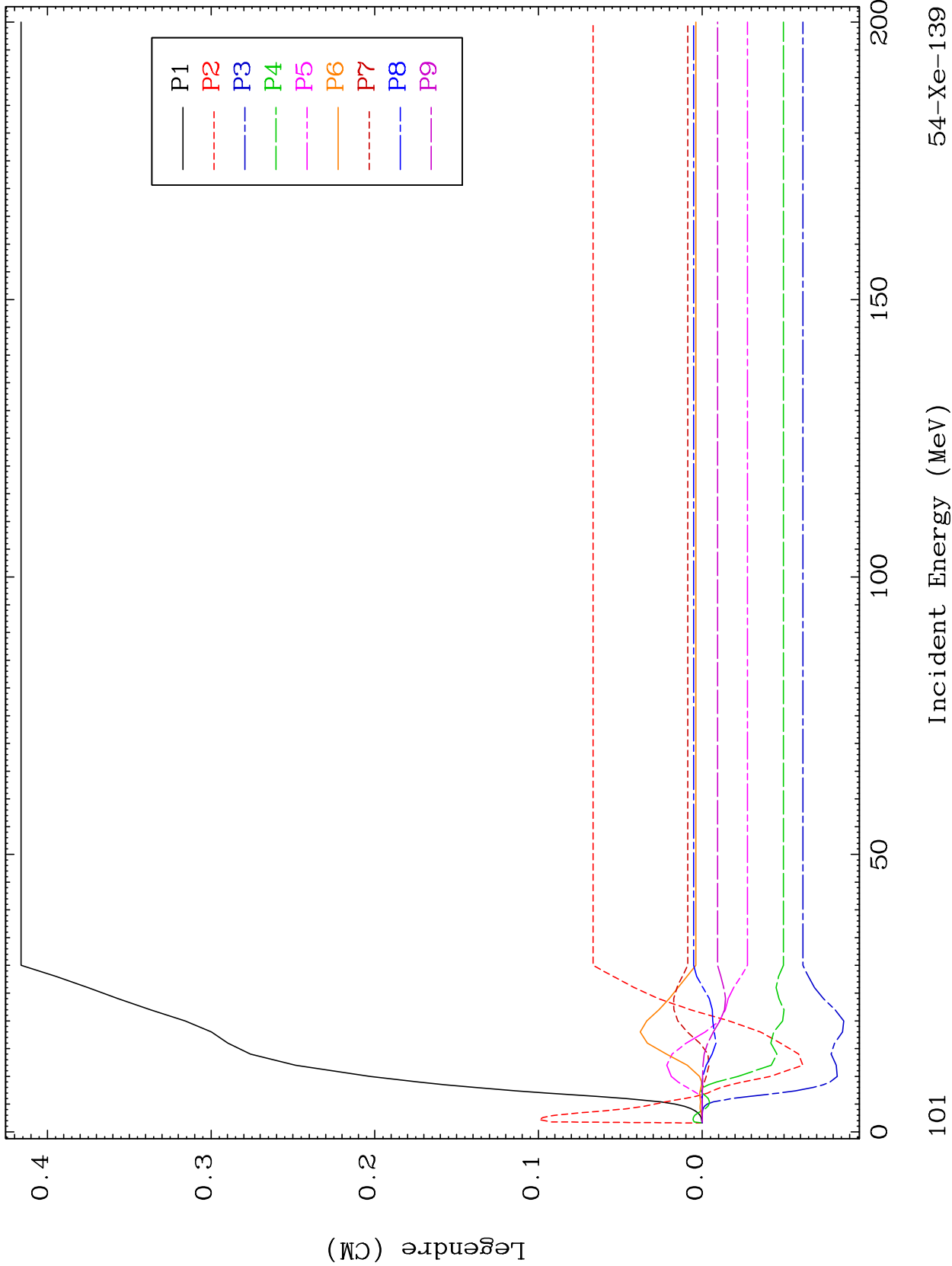
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

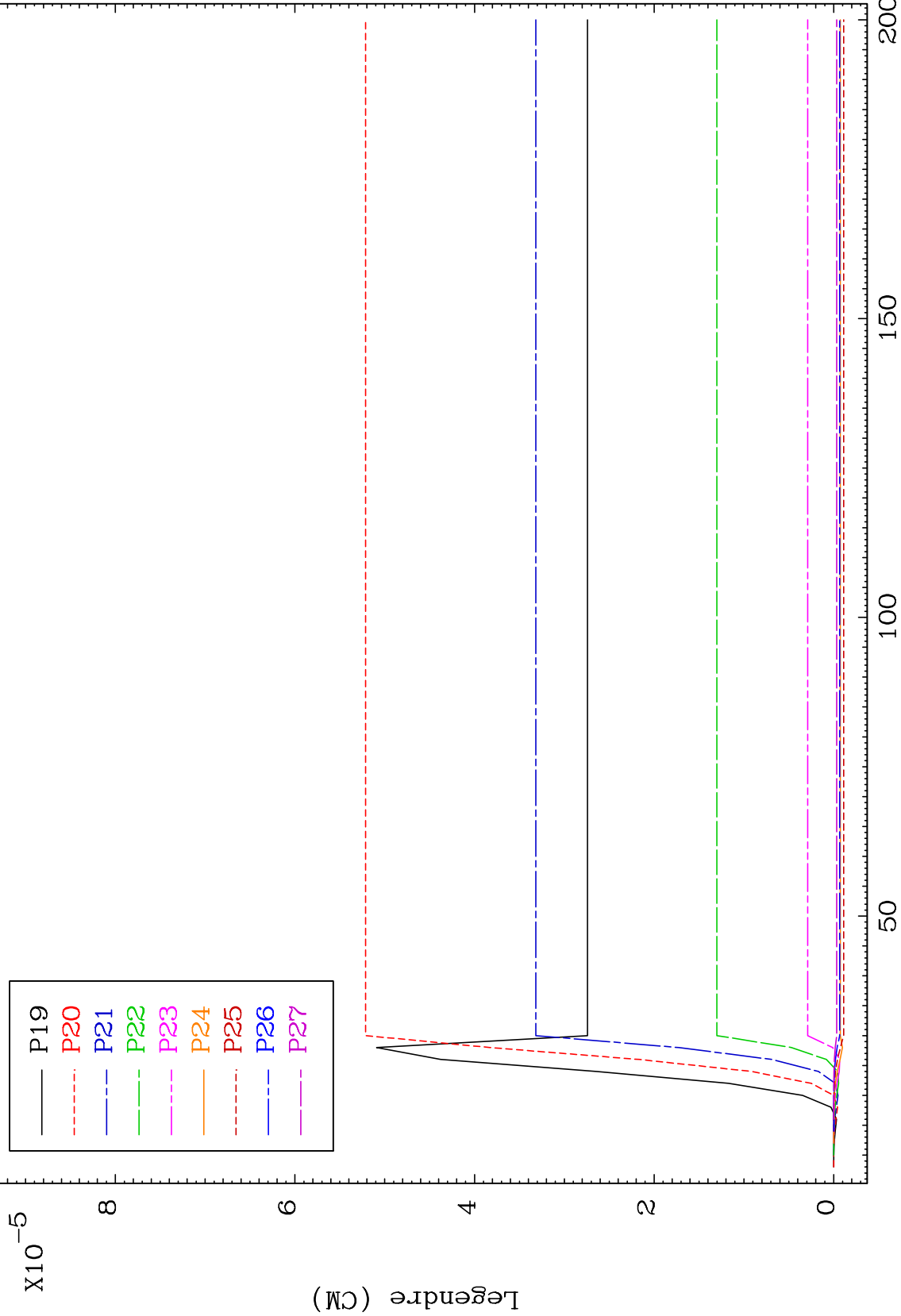
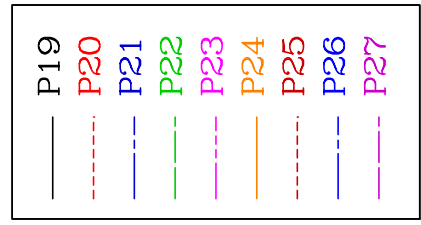
Incident Energy (MeV)

101

MAT 5470

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

54-Xe-139



103

Incident Energy (MeV)

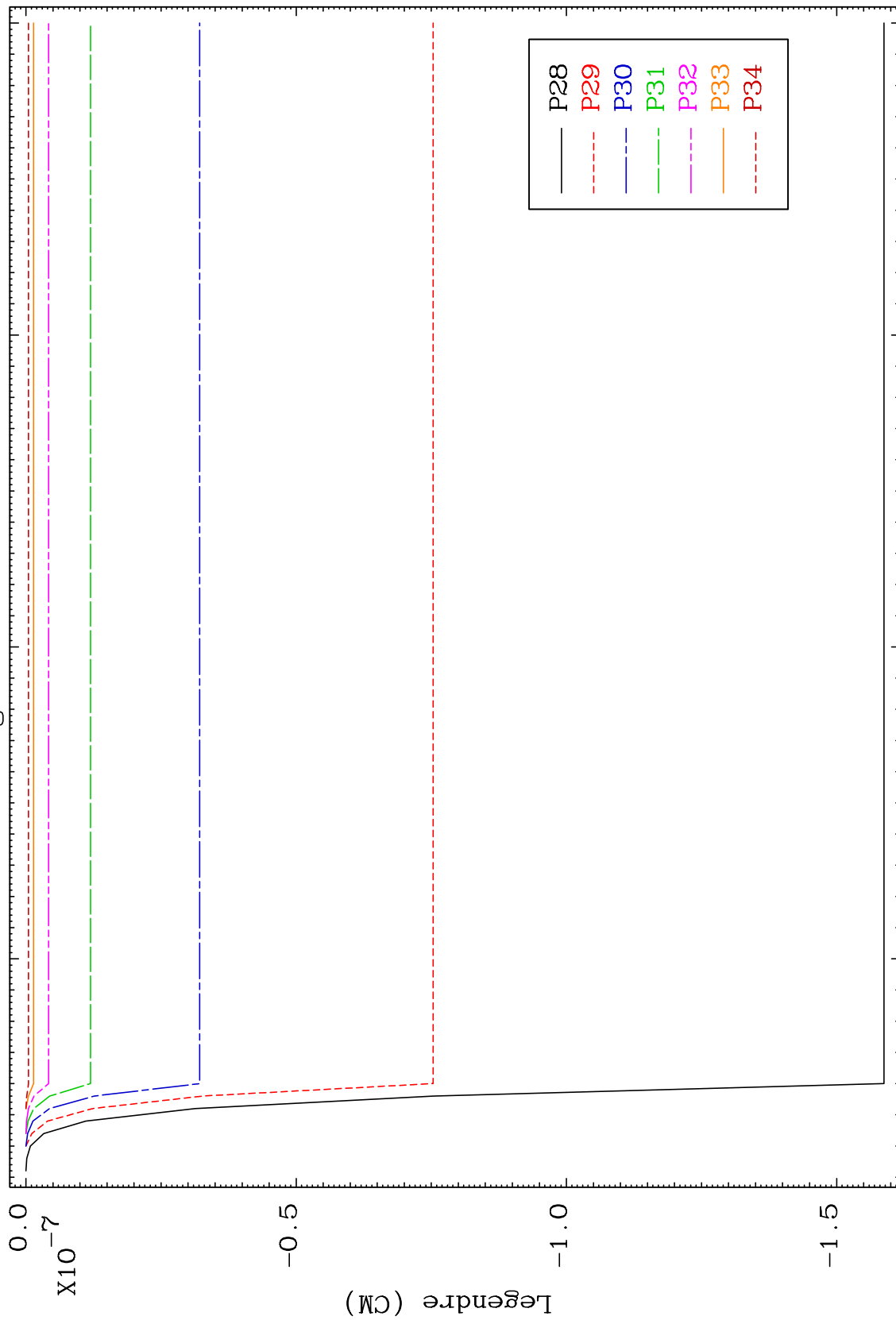
54-Xe-139

MAT 5470

MT= 71 (n,n') Level

54-Xe-139

Legendre Coefficients



54-Xe-139

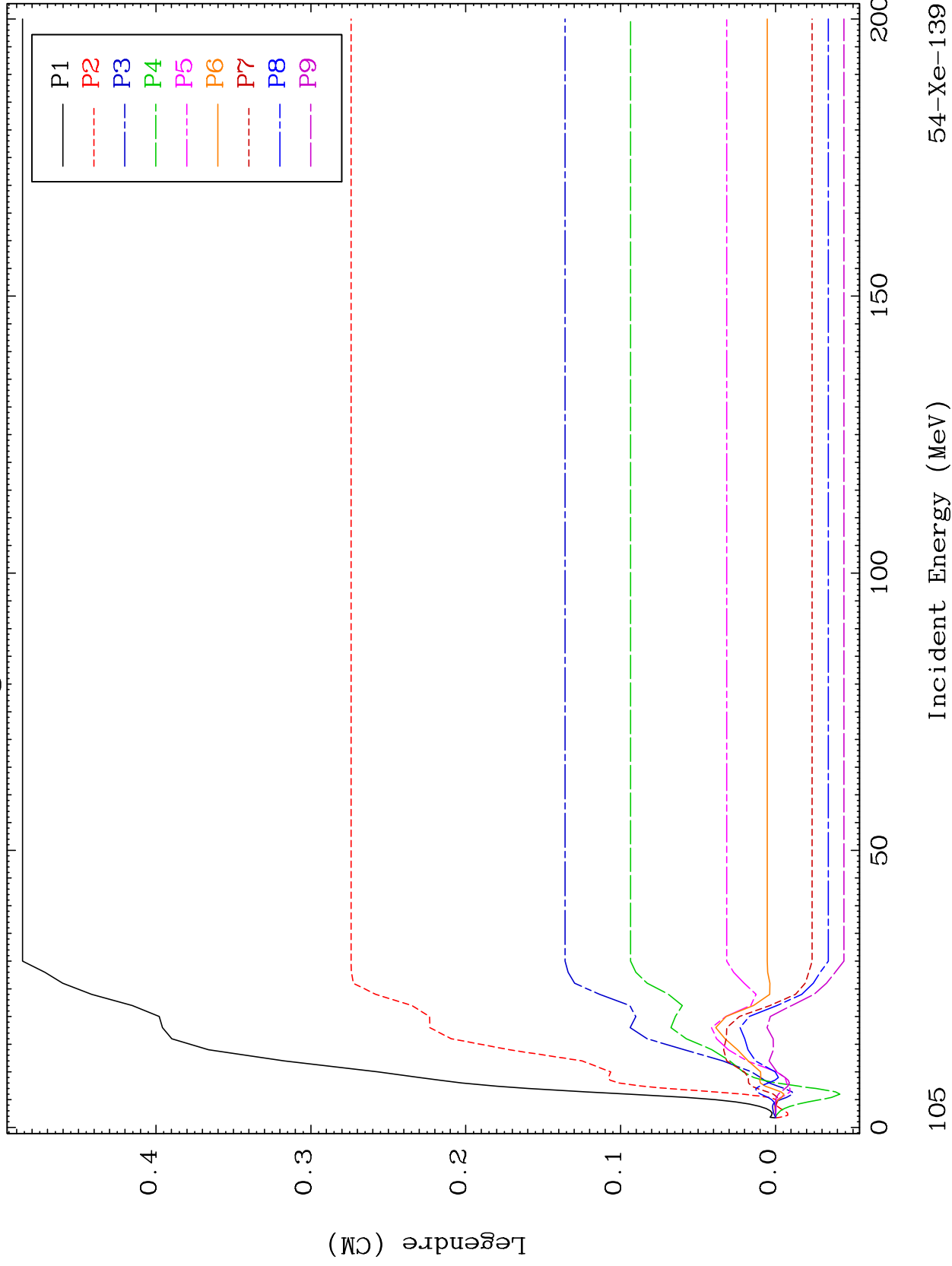
Incident Energy (MeV)

104

MAT 5470

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

54-Xe-139



54-Xe-139

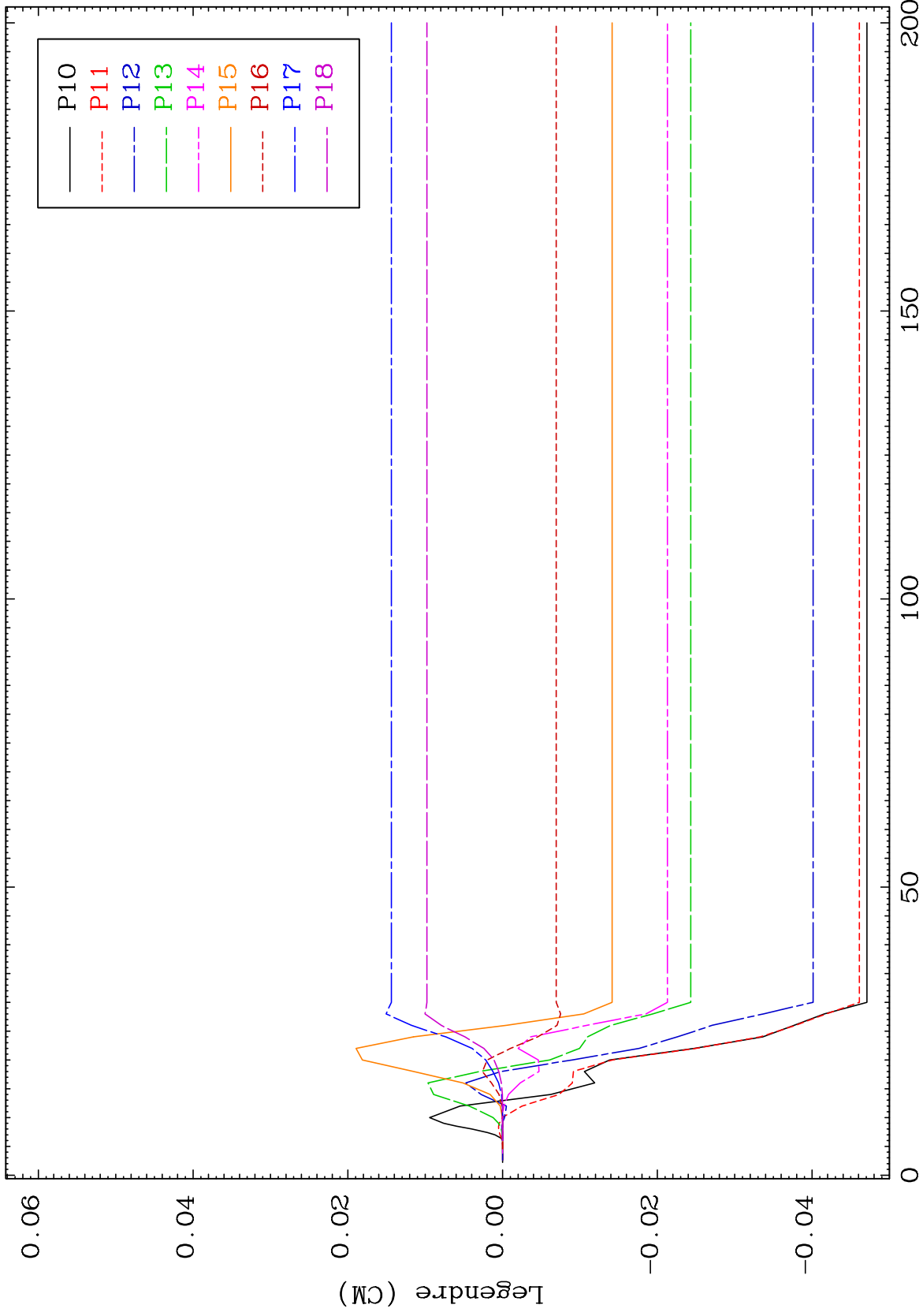
Incident Energy (MeV)

0

MAT 5470

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

54-Xe-139



106

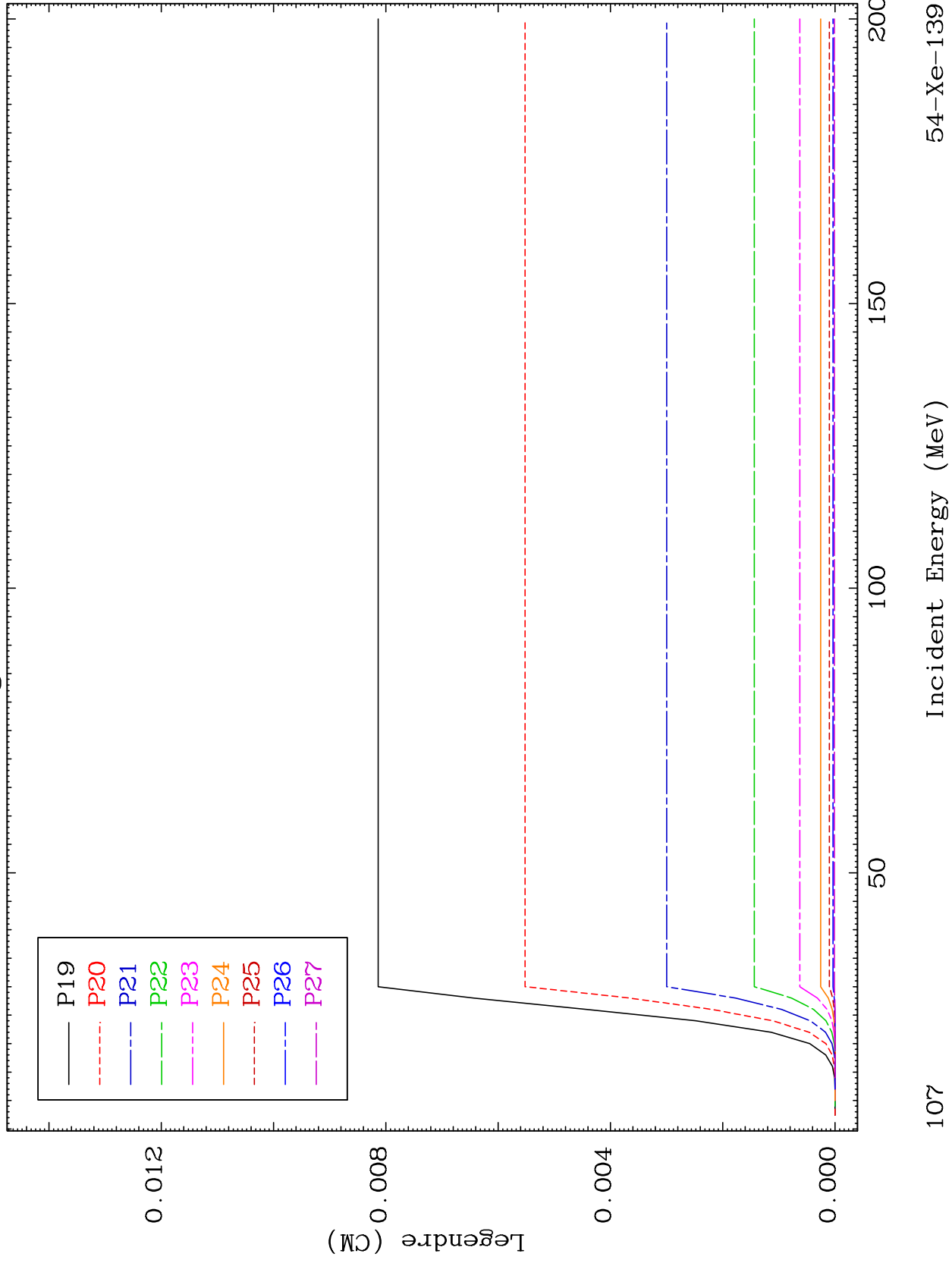
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



107

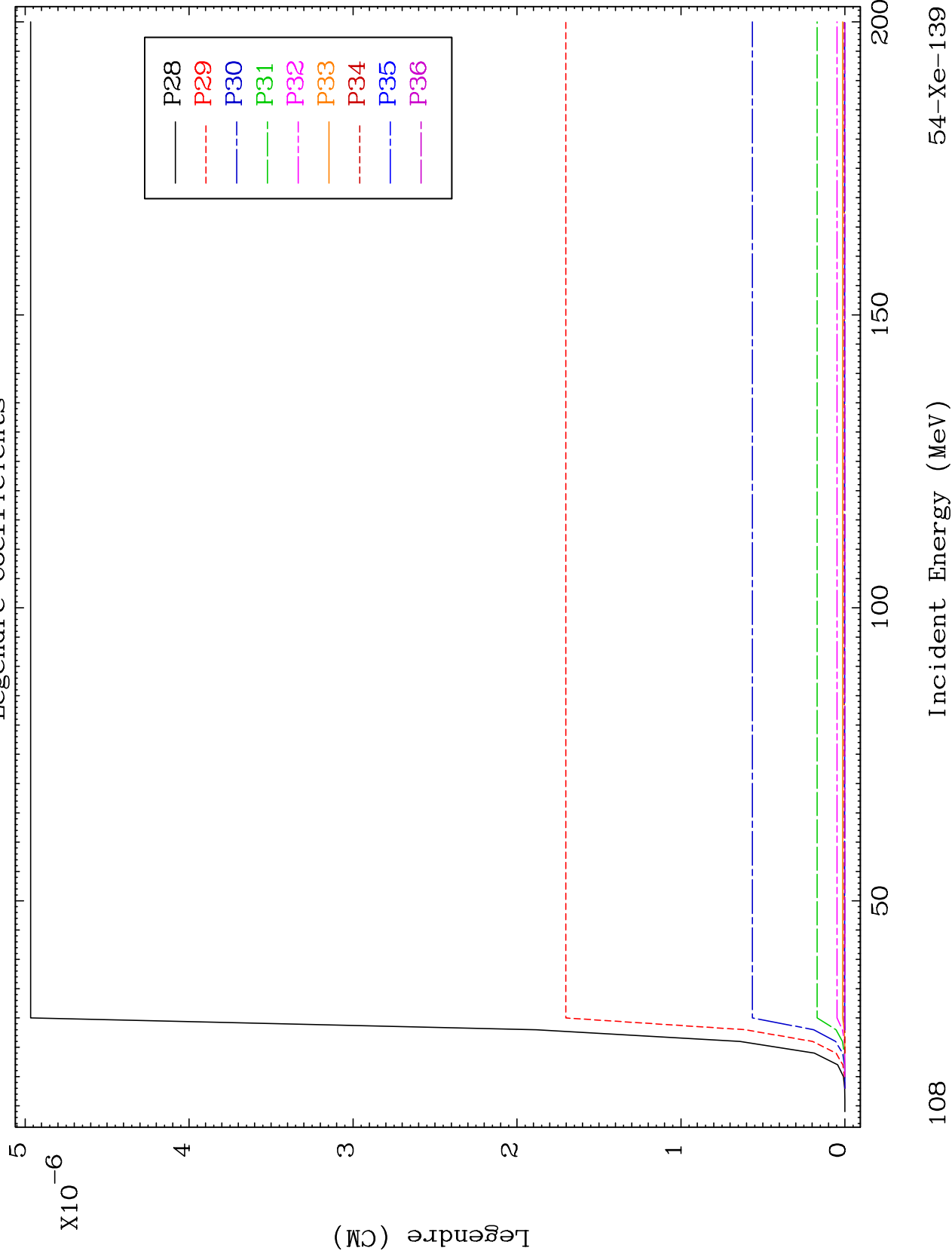
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

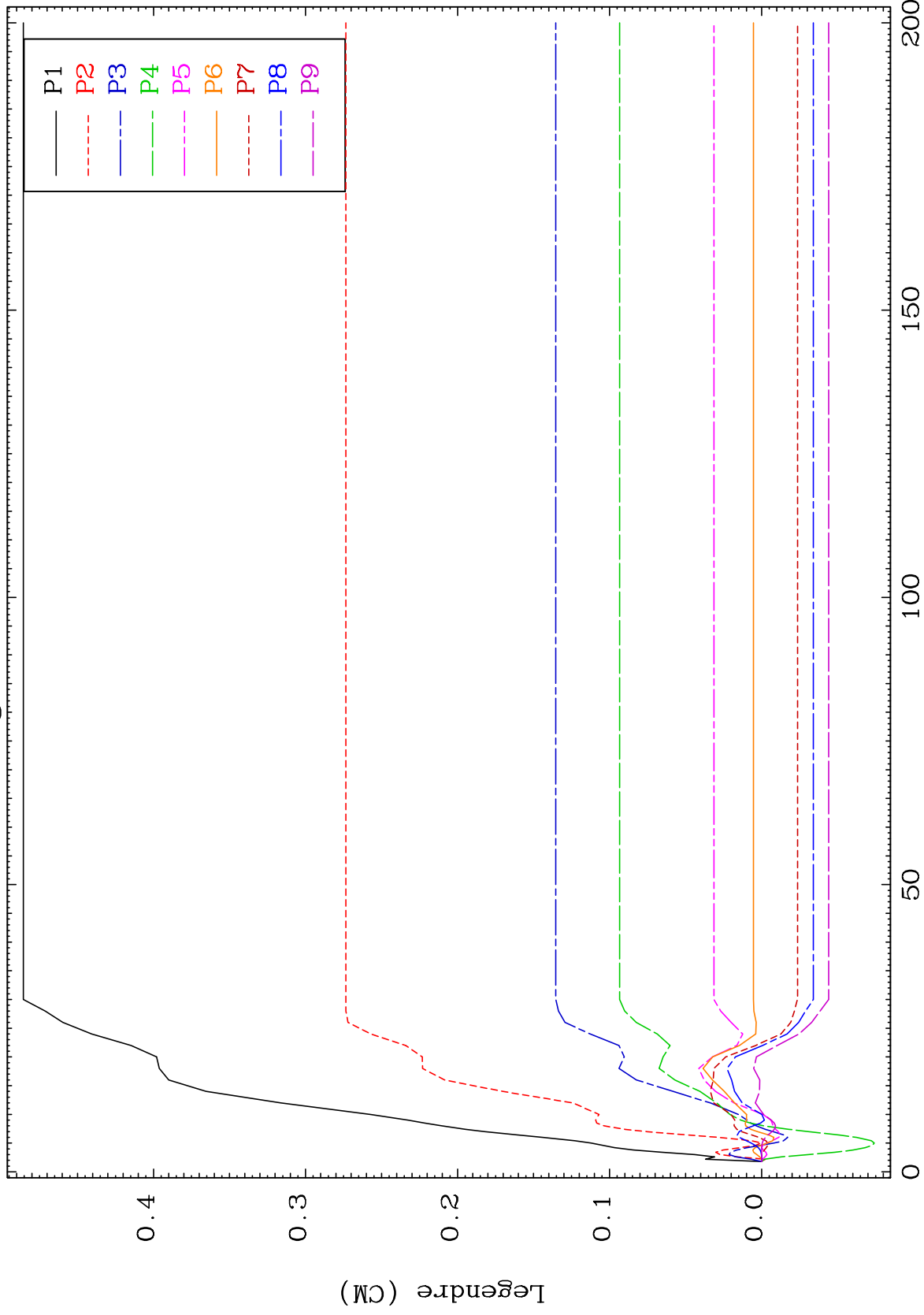
54-Xe-139



MAT 5470

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

54-Xe-139



109

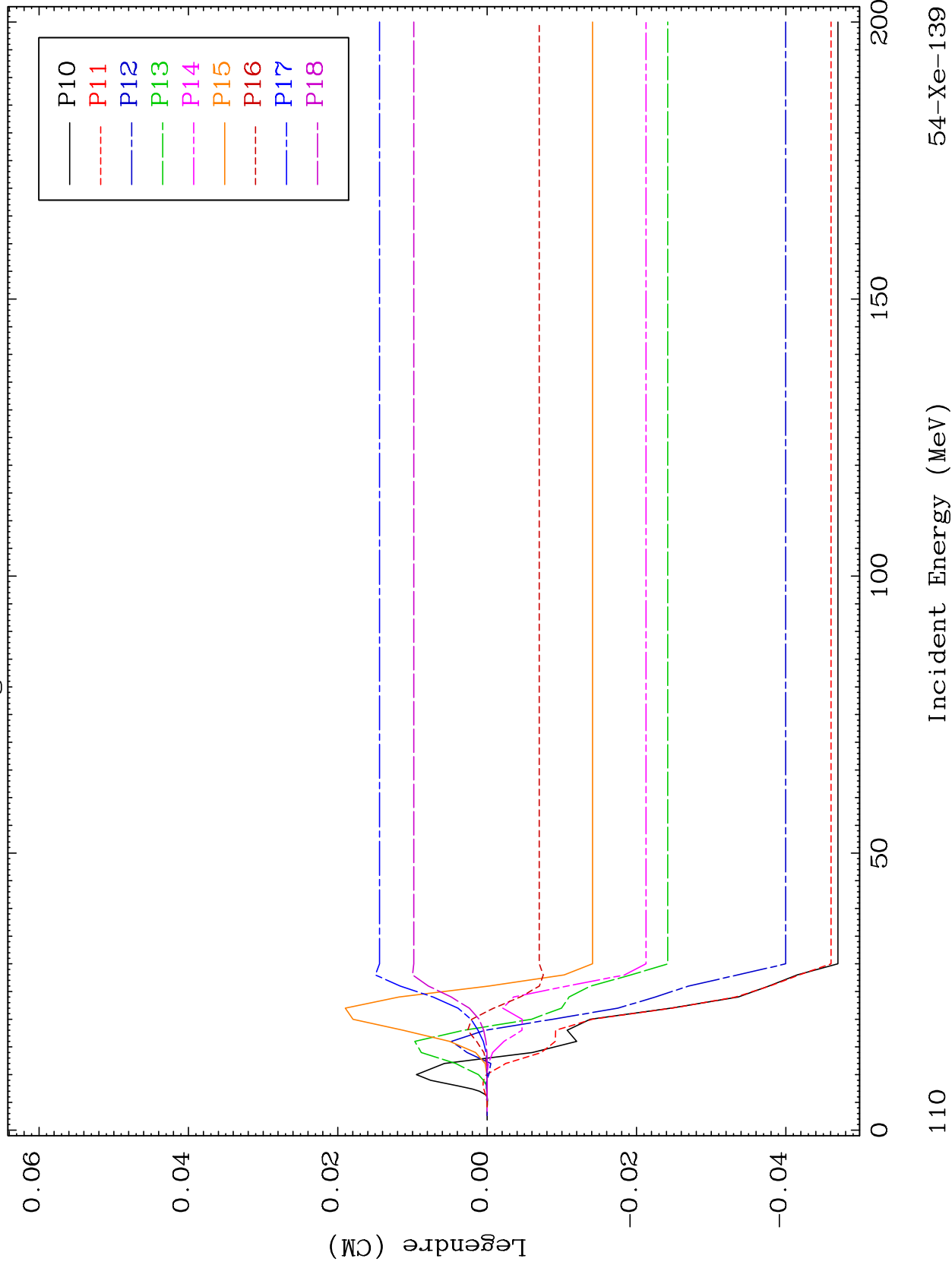
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

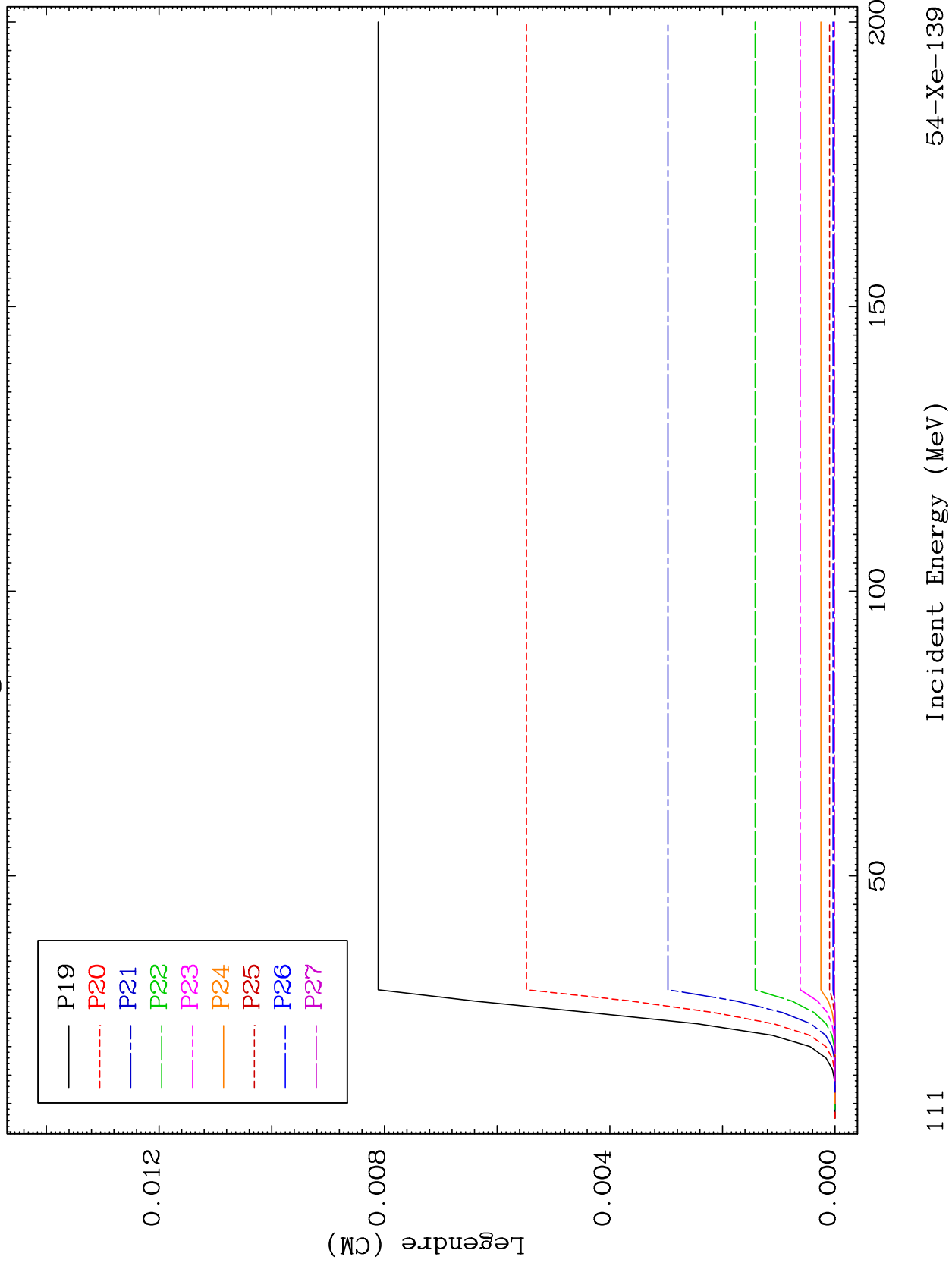
Incident Energy (MeV)

110

MAT 5470

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

54-Xe-139



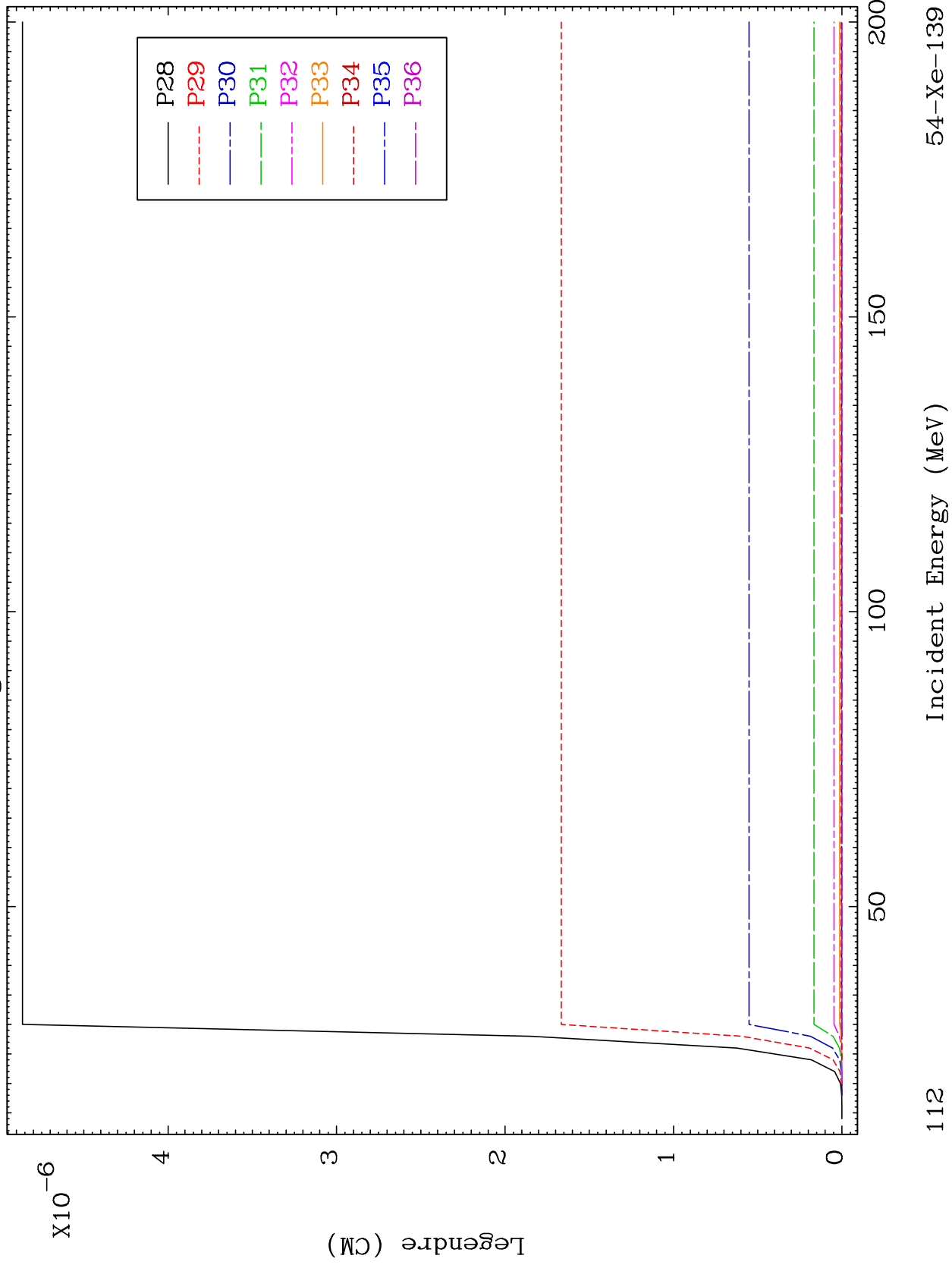
111

54-Xe-139

MAT 5470

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

54-Xe-139

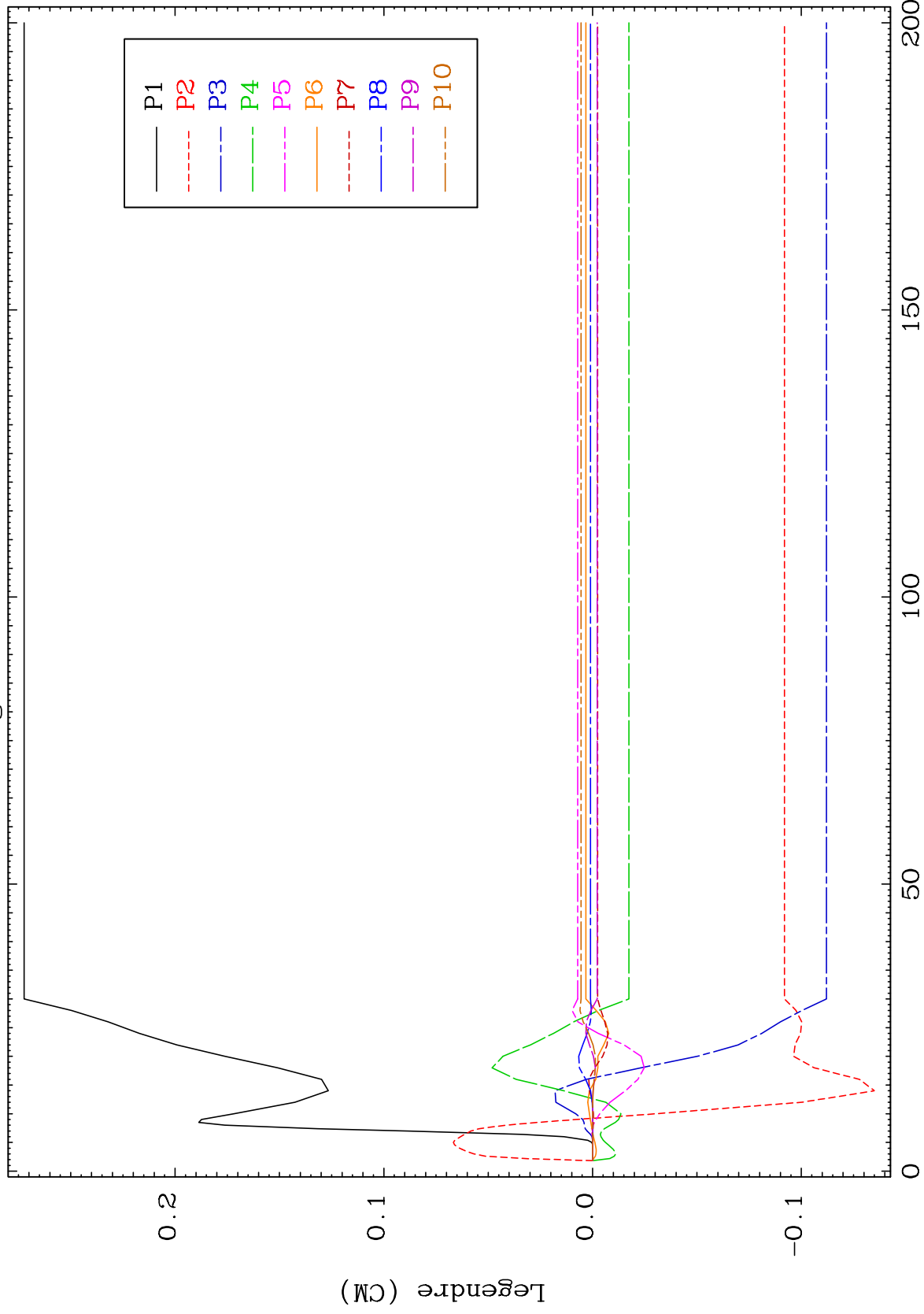


112

MAT 5470

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

54-Xe-139



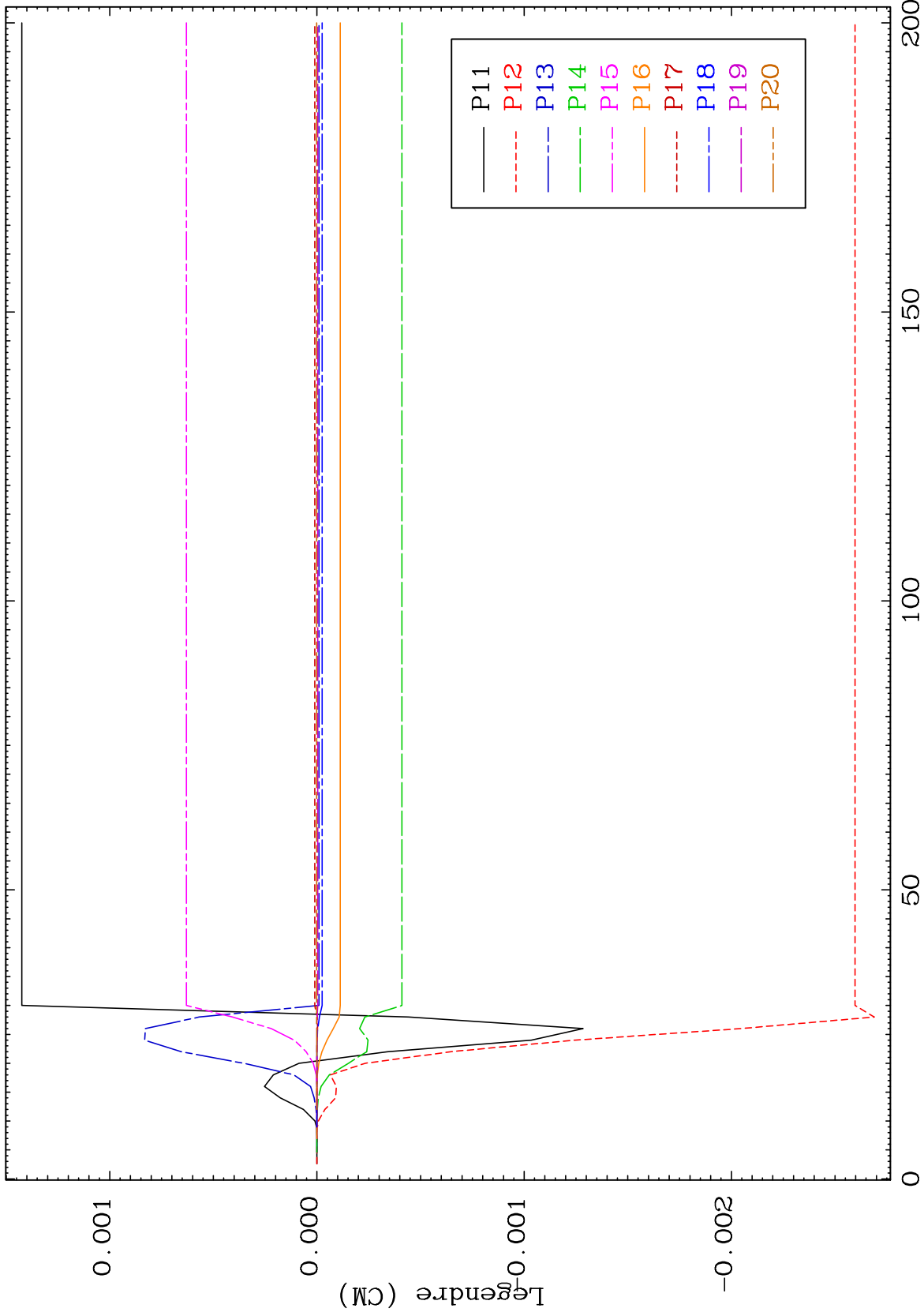
113

54-Xe-139

MAT 5470

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

54-Xe-139



114

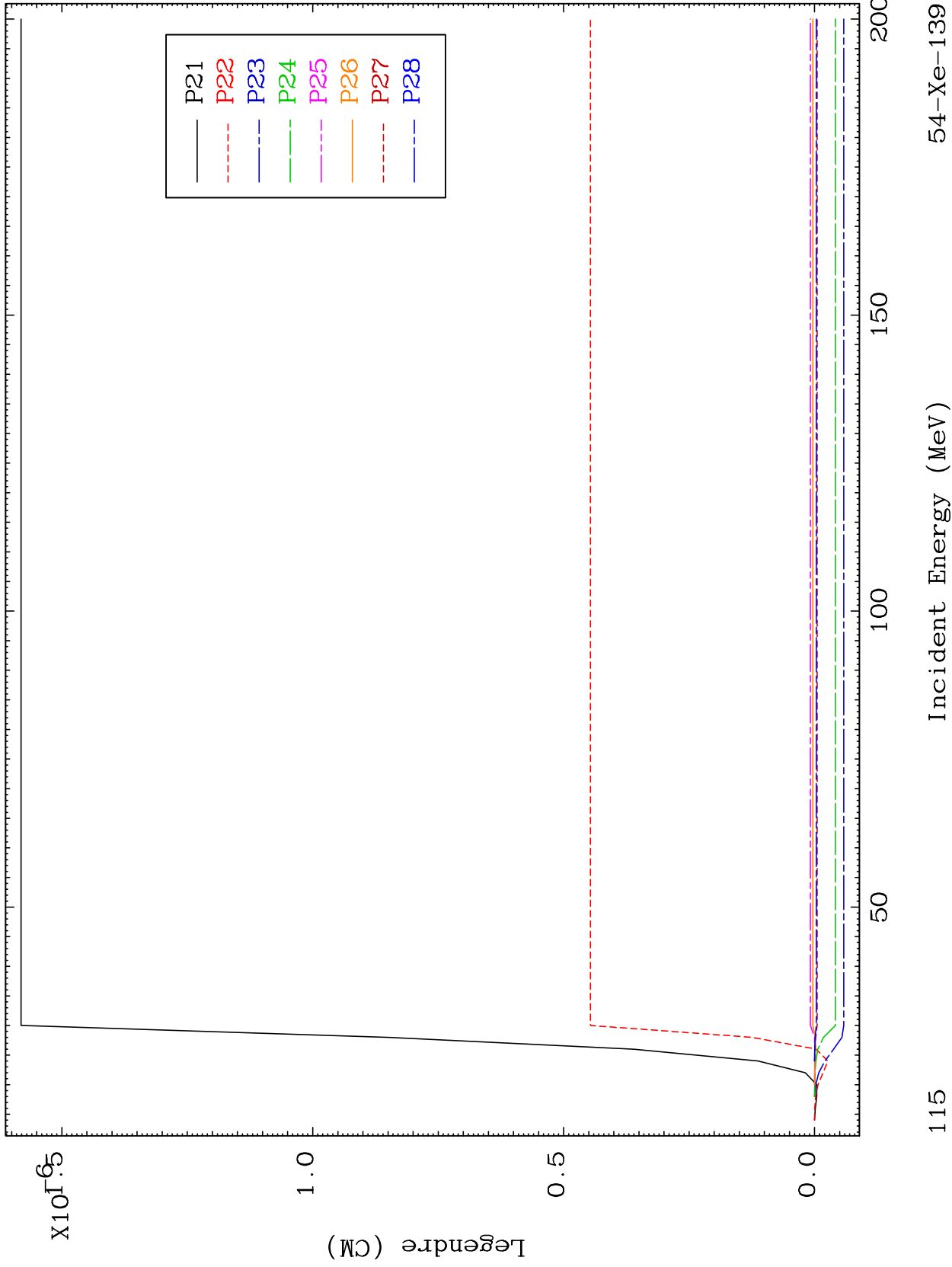
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



115

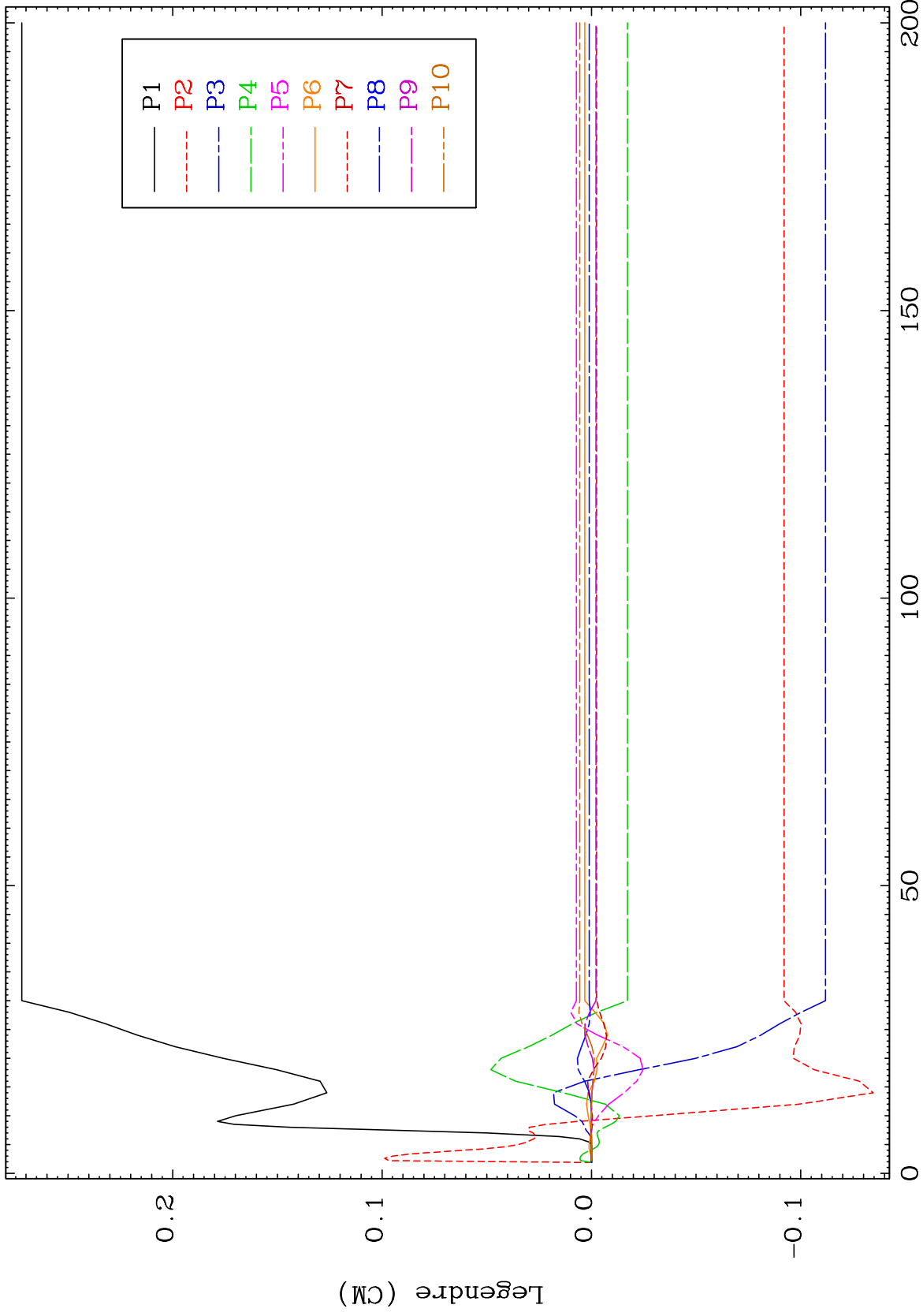
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



116

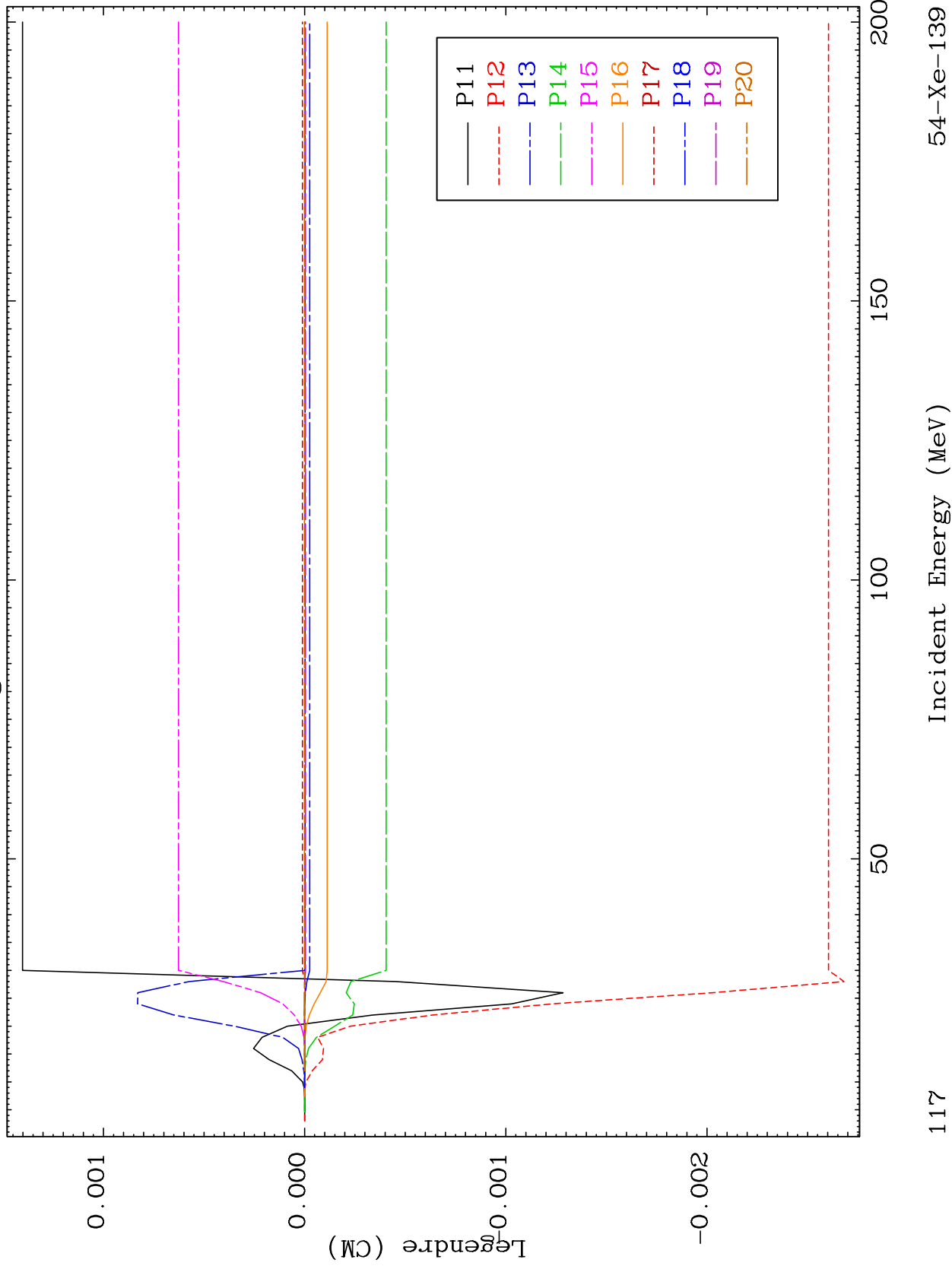
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



117

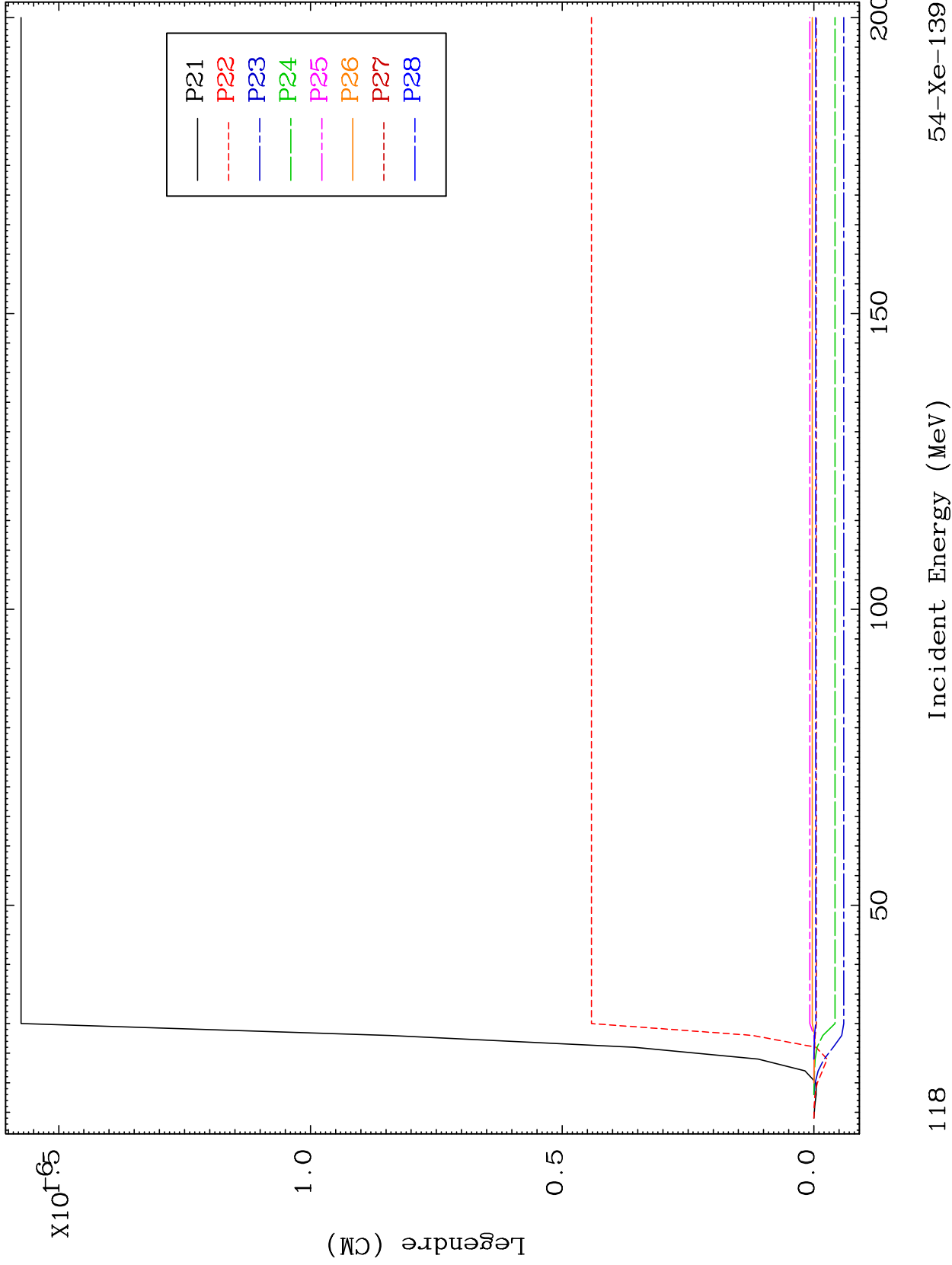
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

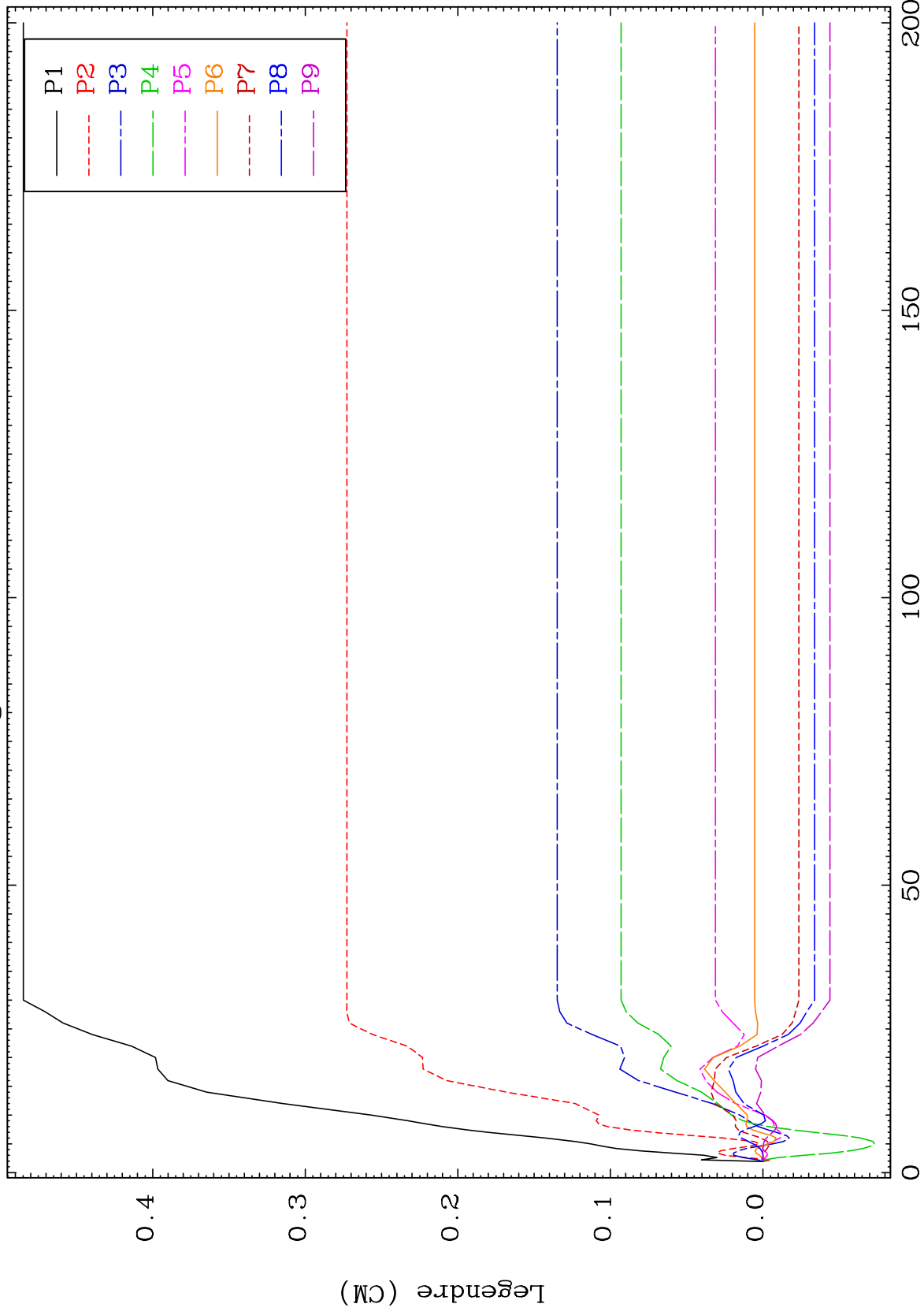
54-Xe-139



MAT 5470

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

54-Xe-139



119

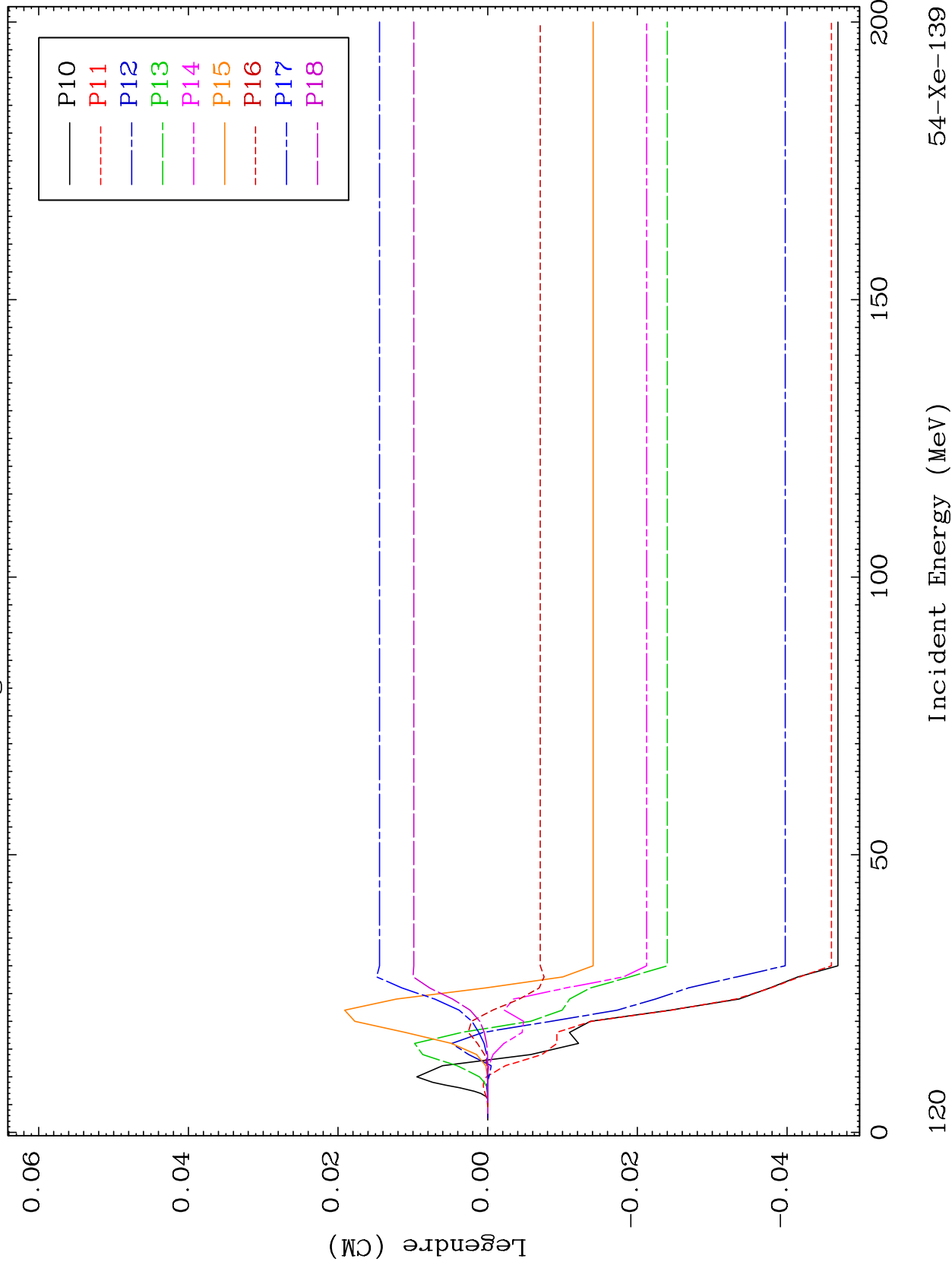
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

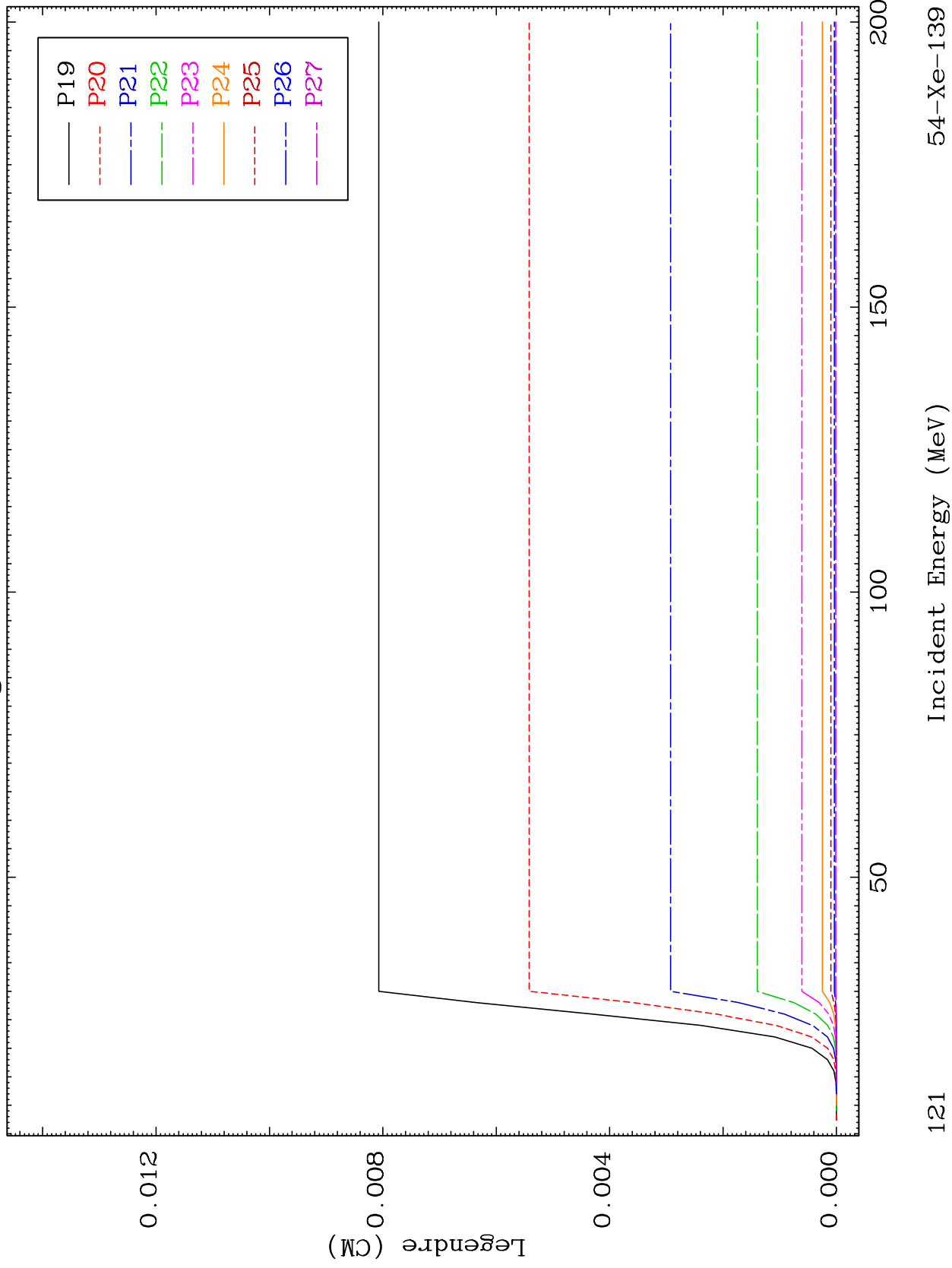
Incident Energy (MeV)

120

MAT 5470

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

54-Xe-139



121

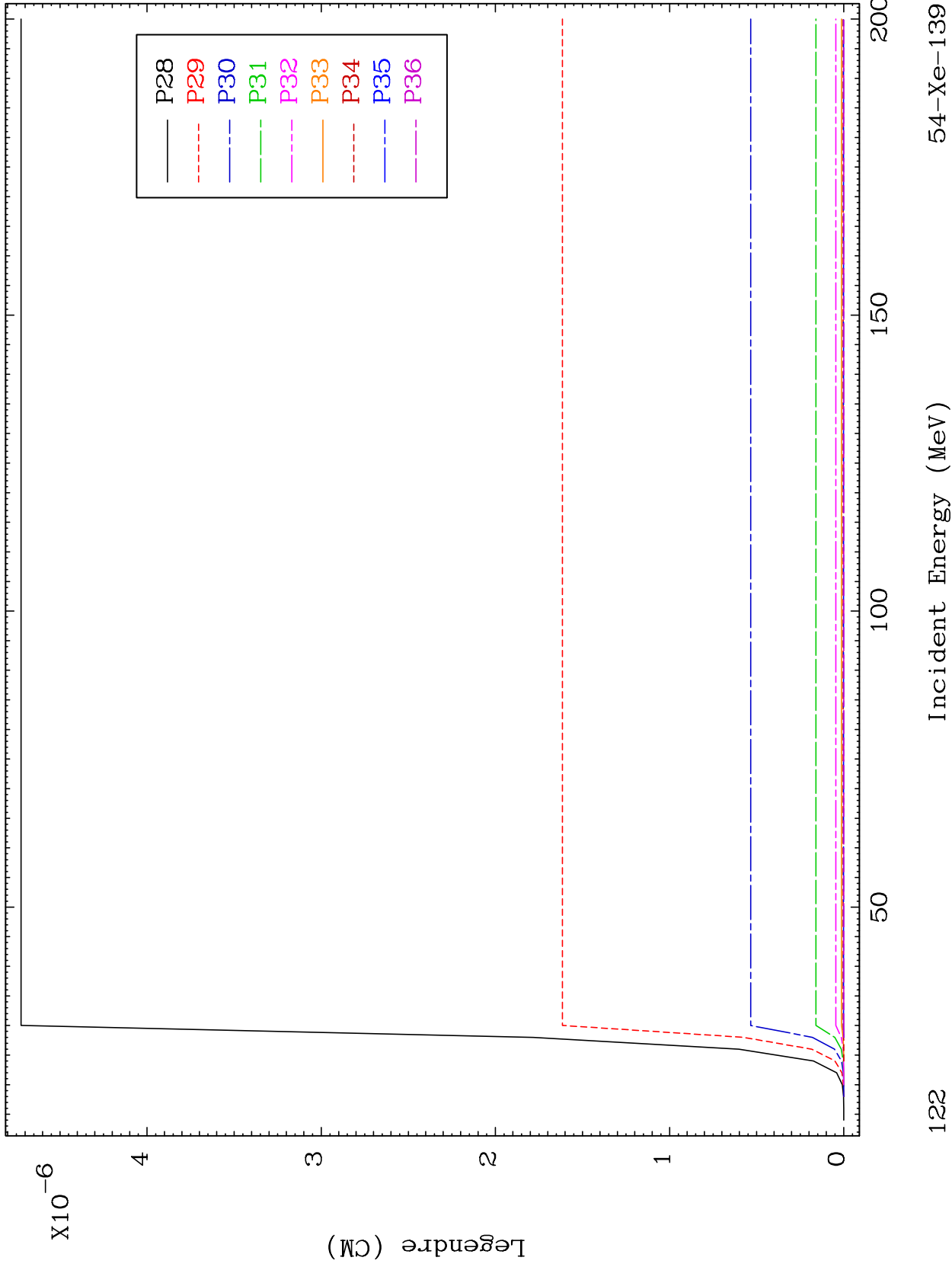
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139

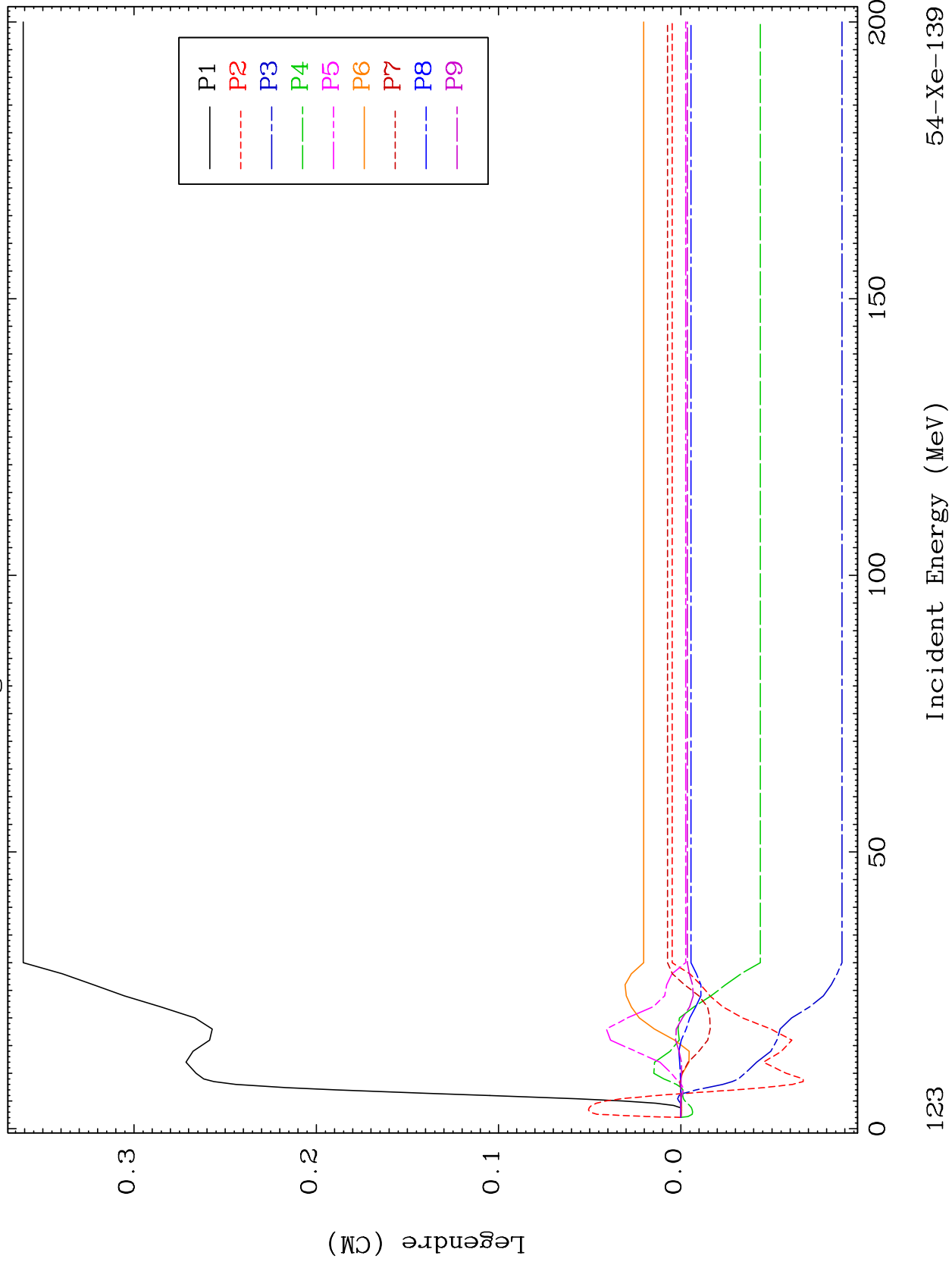


122

MAT 5470

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

54-Xe-139



54-Xe-139

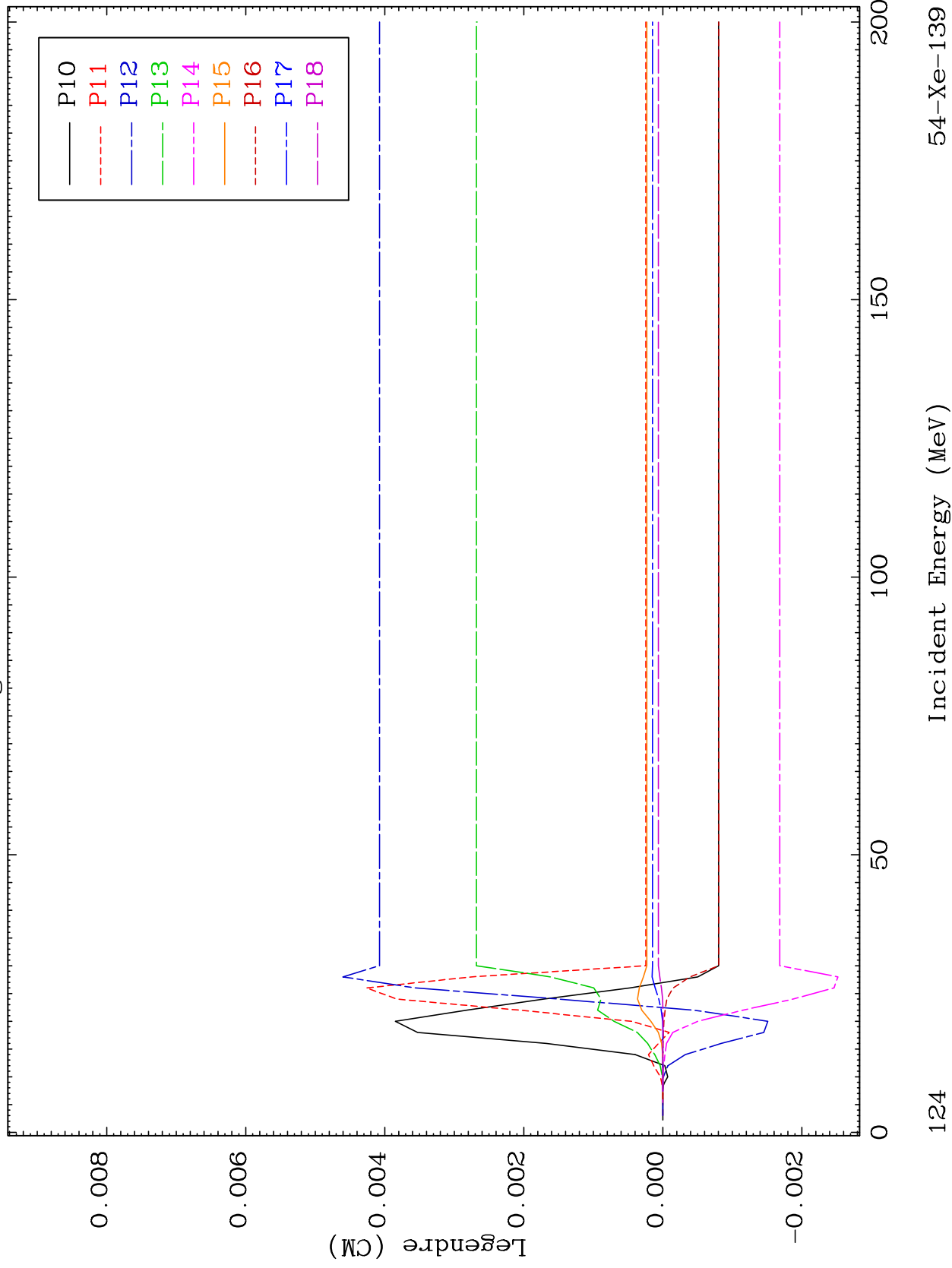
Incident Energy (MeV)

123

MAT 5470

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

54-Xe-139



54-Xe-139

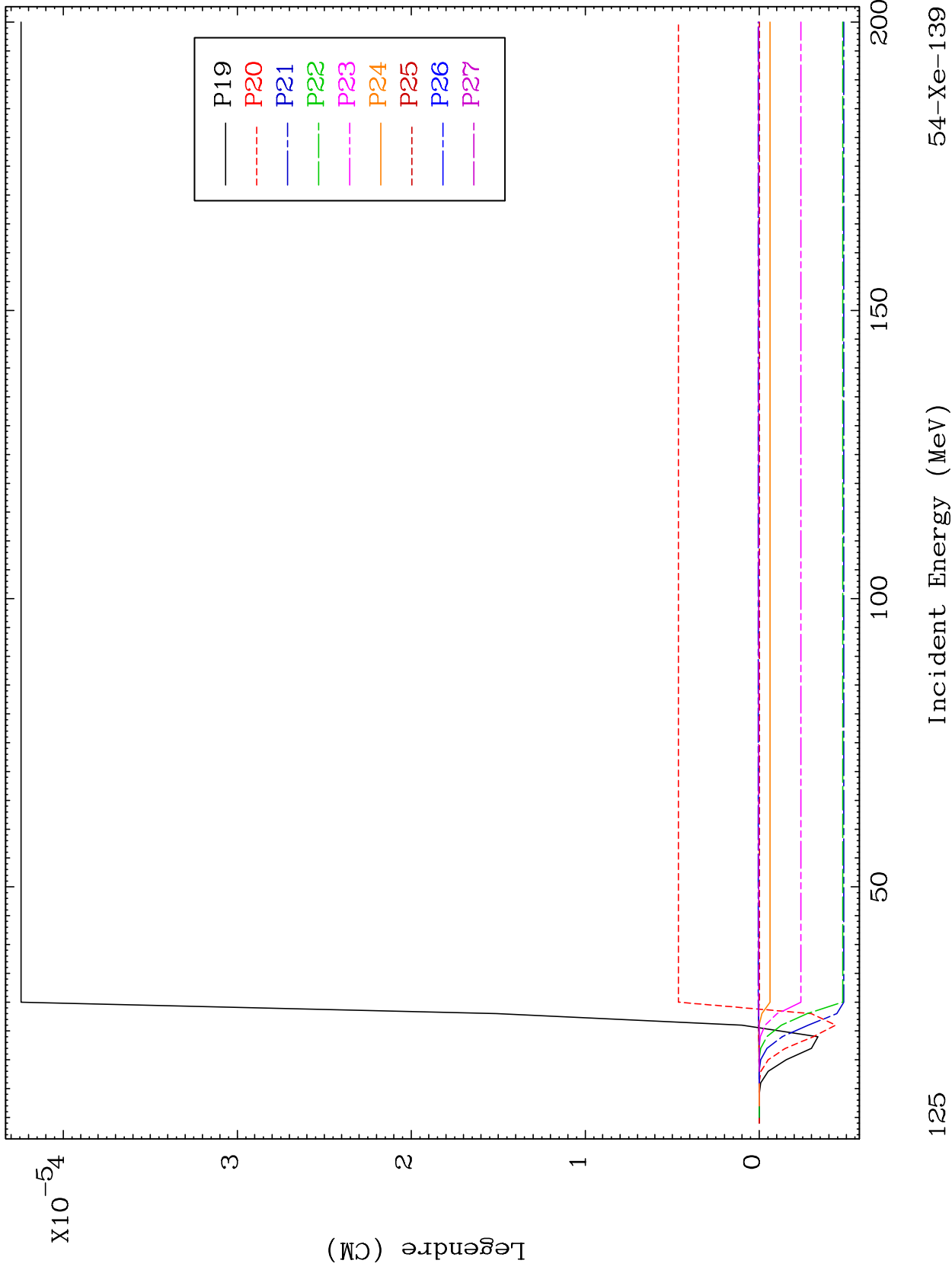
Incident Energy (MeV)

124

MAT 5470

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

54-Xe-139



125

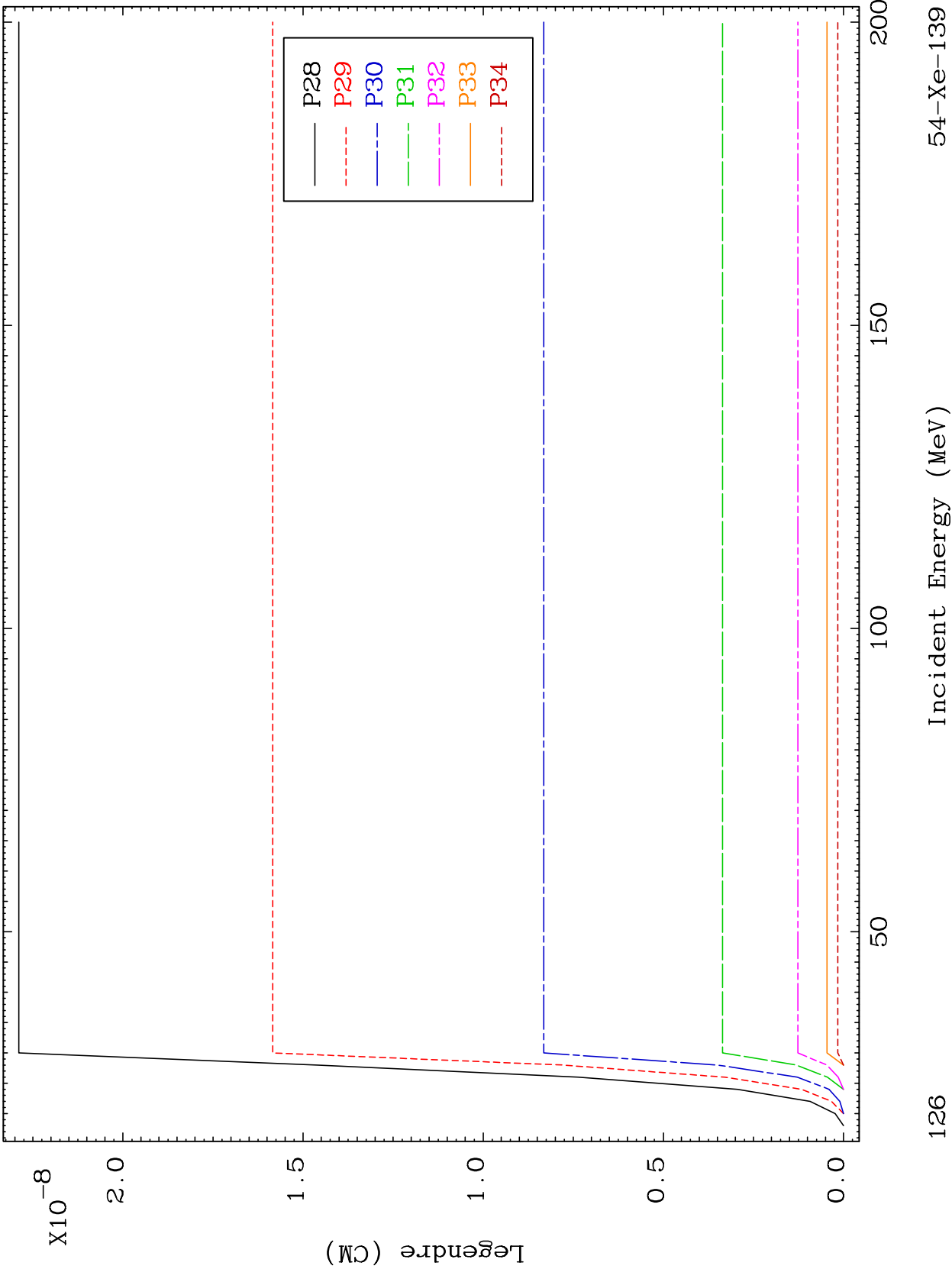
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



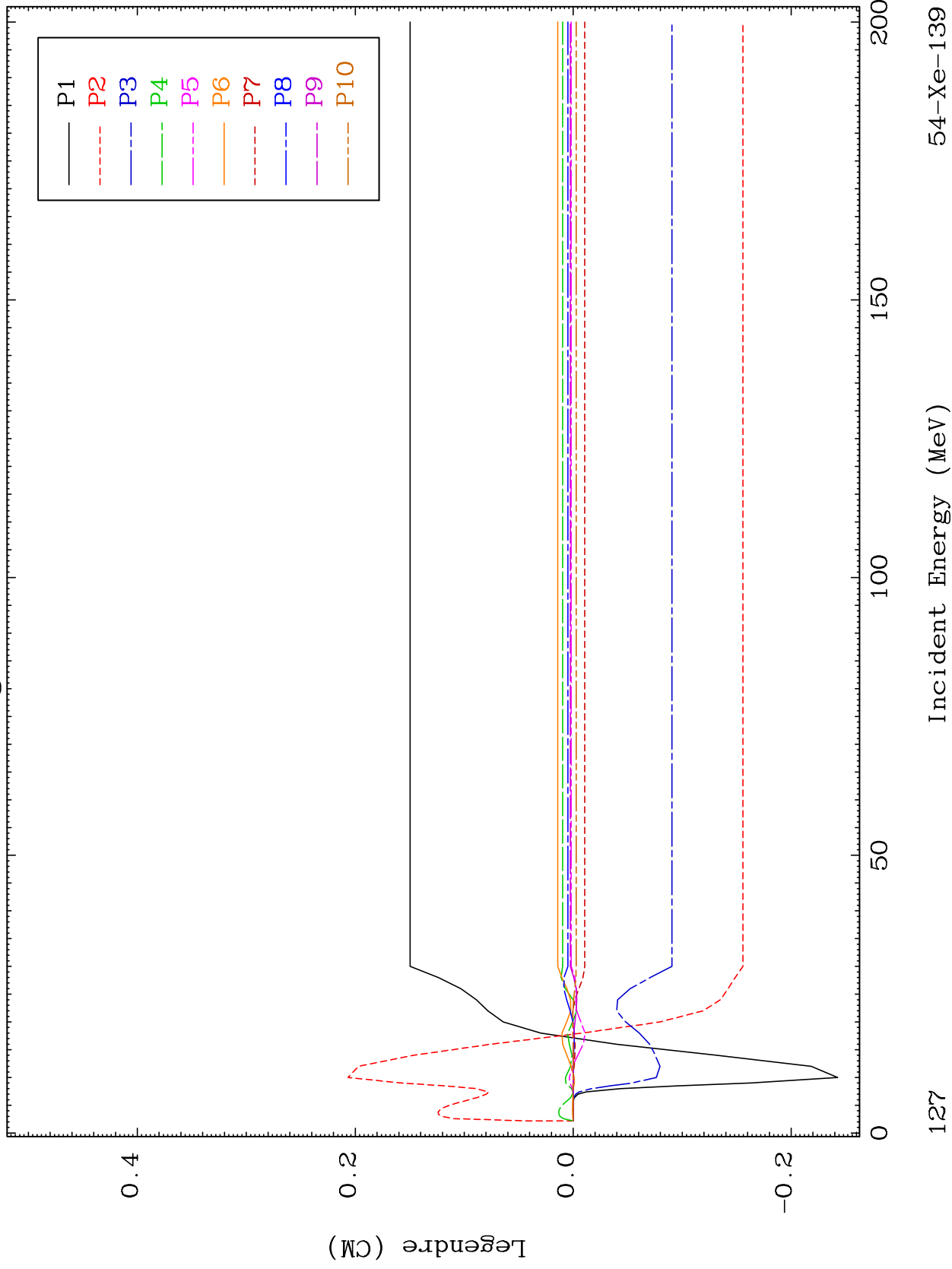
126

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

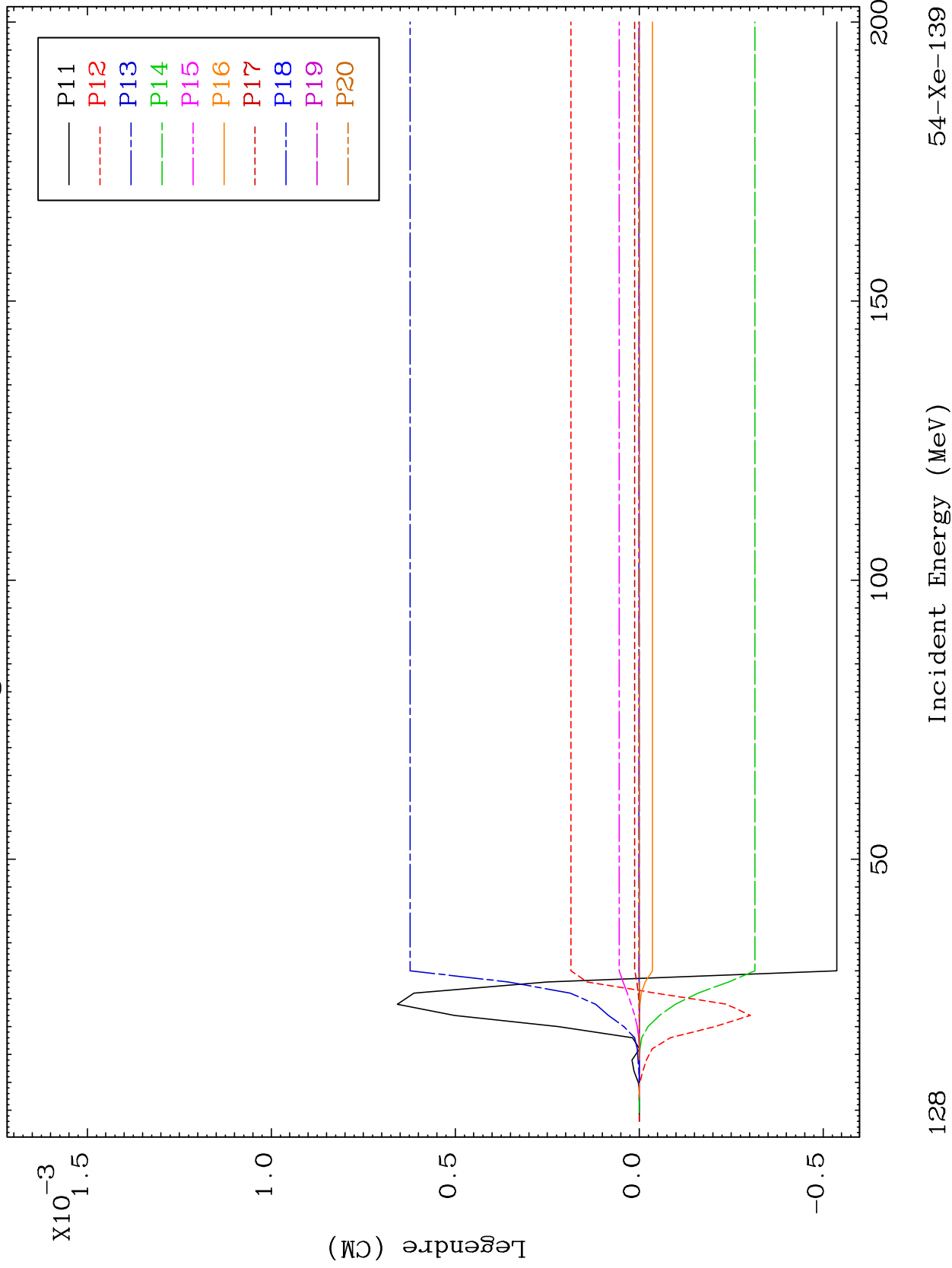
Incident Energy (MeV)

127

MAT 5470

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

54-Xe-139



128

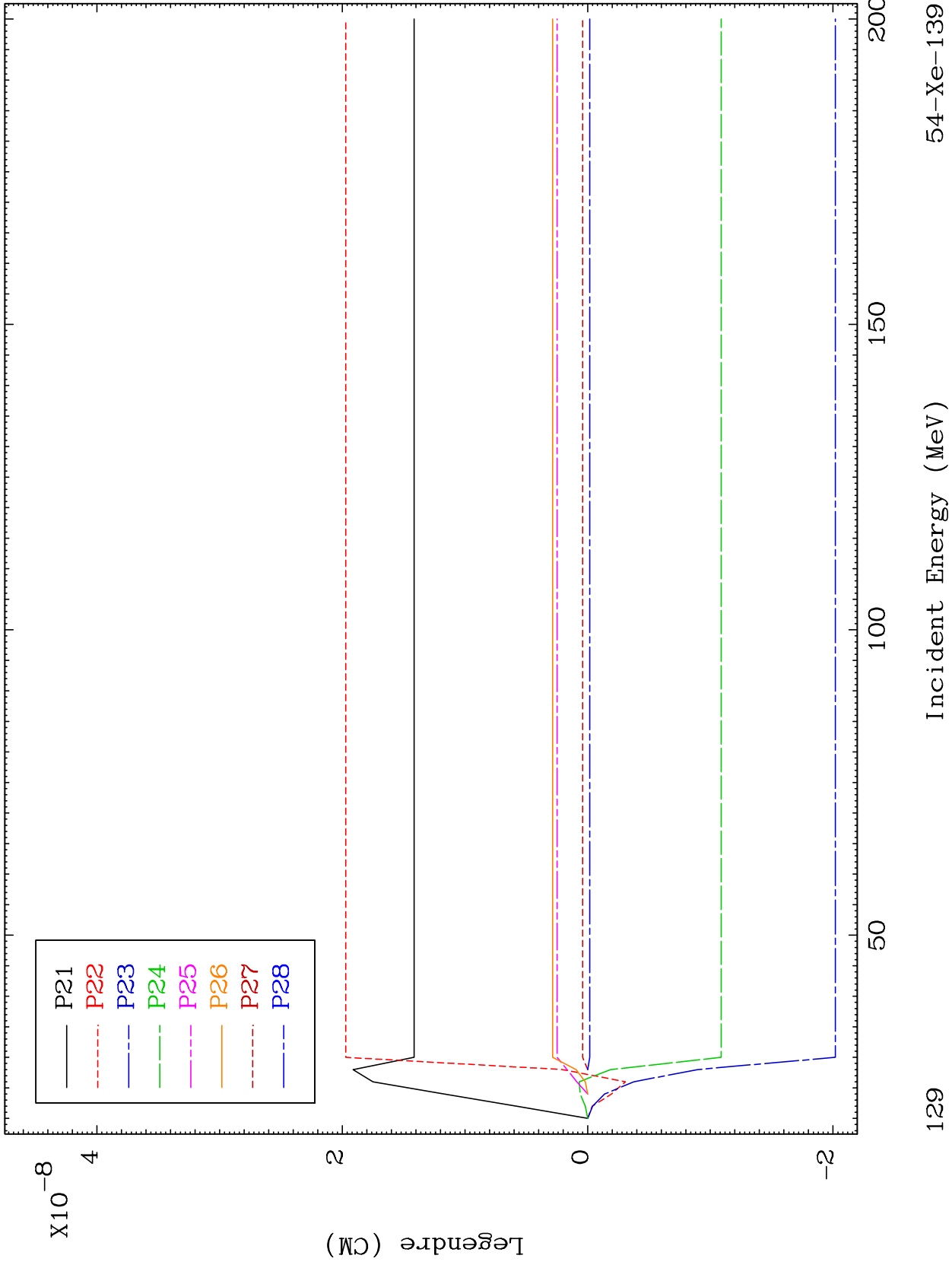
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



129

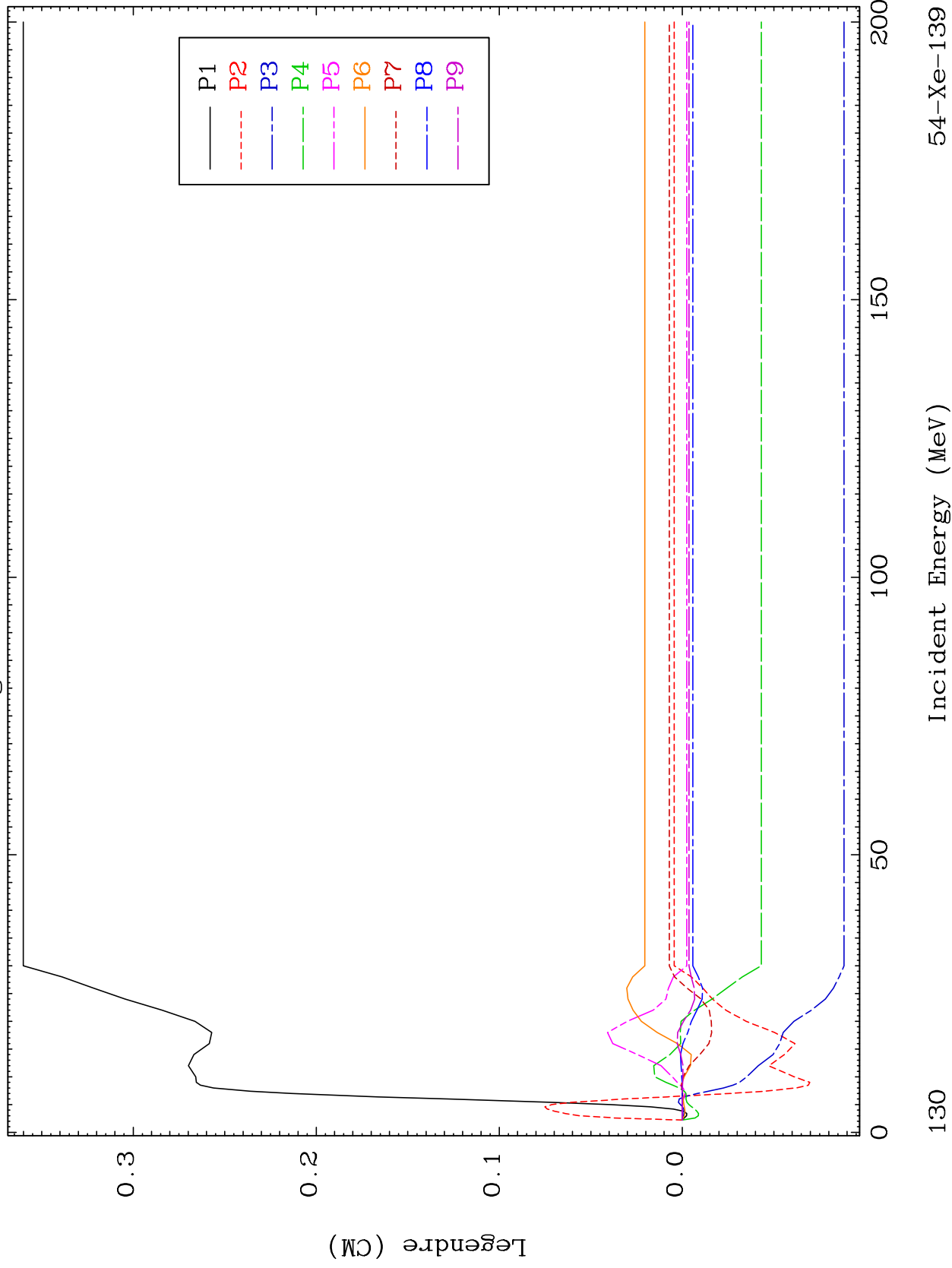
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

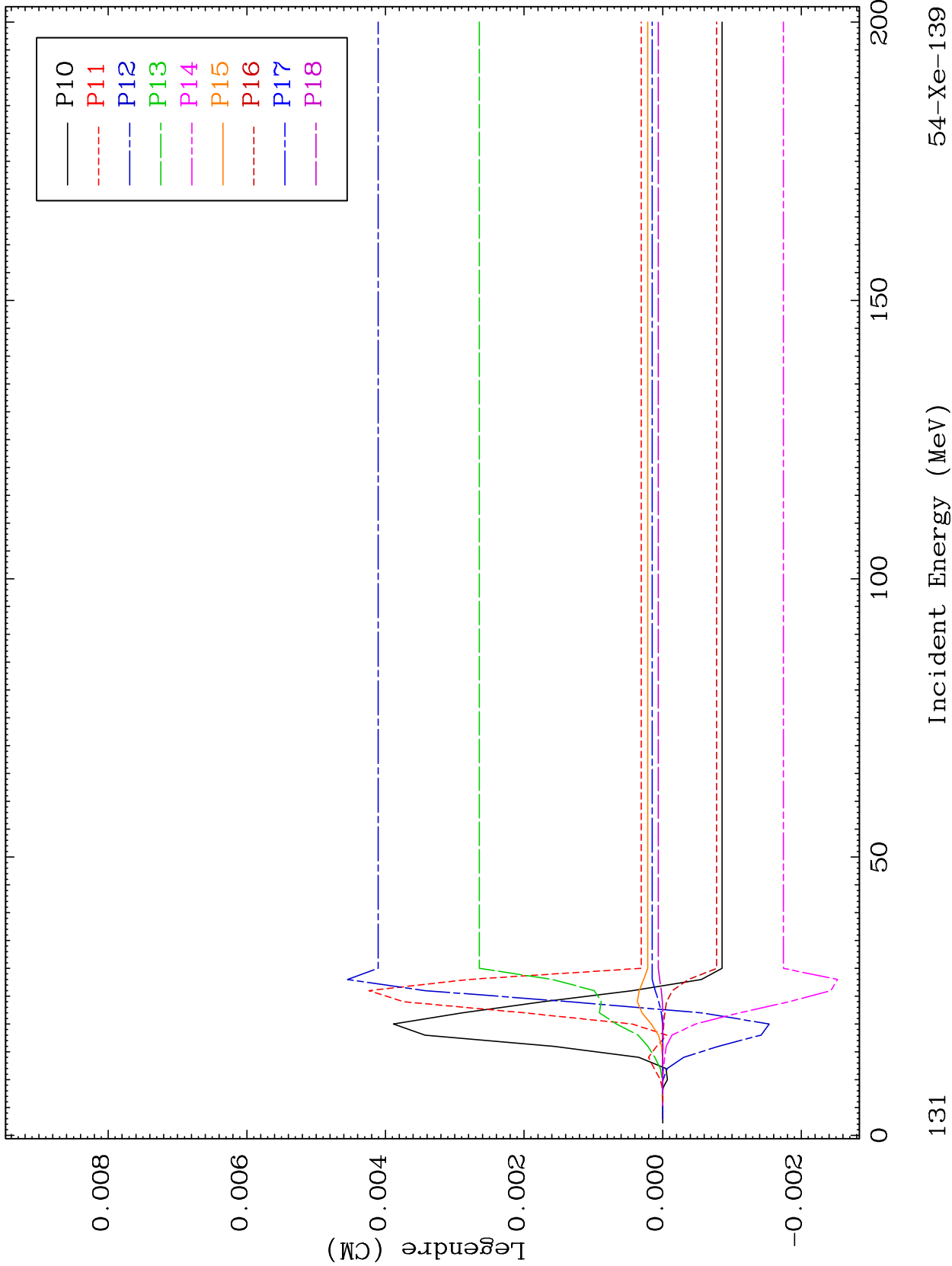
Incident Energy (MeV)

130

MAT 5470

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

54-Xe-139



131

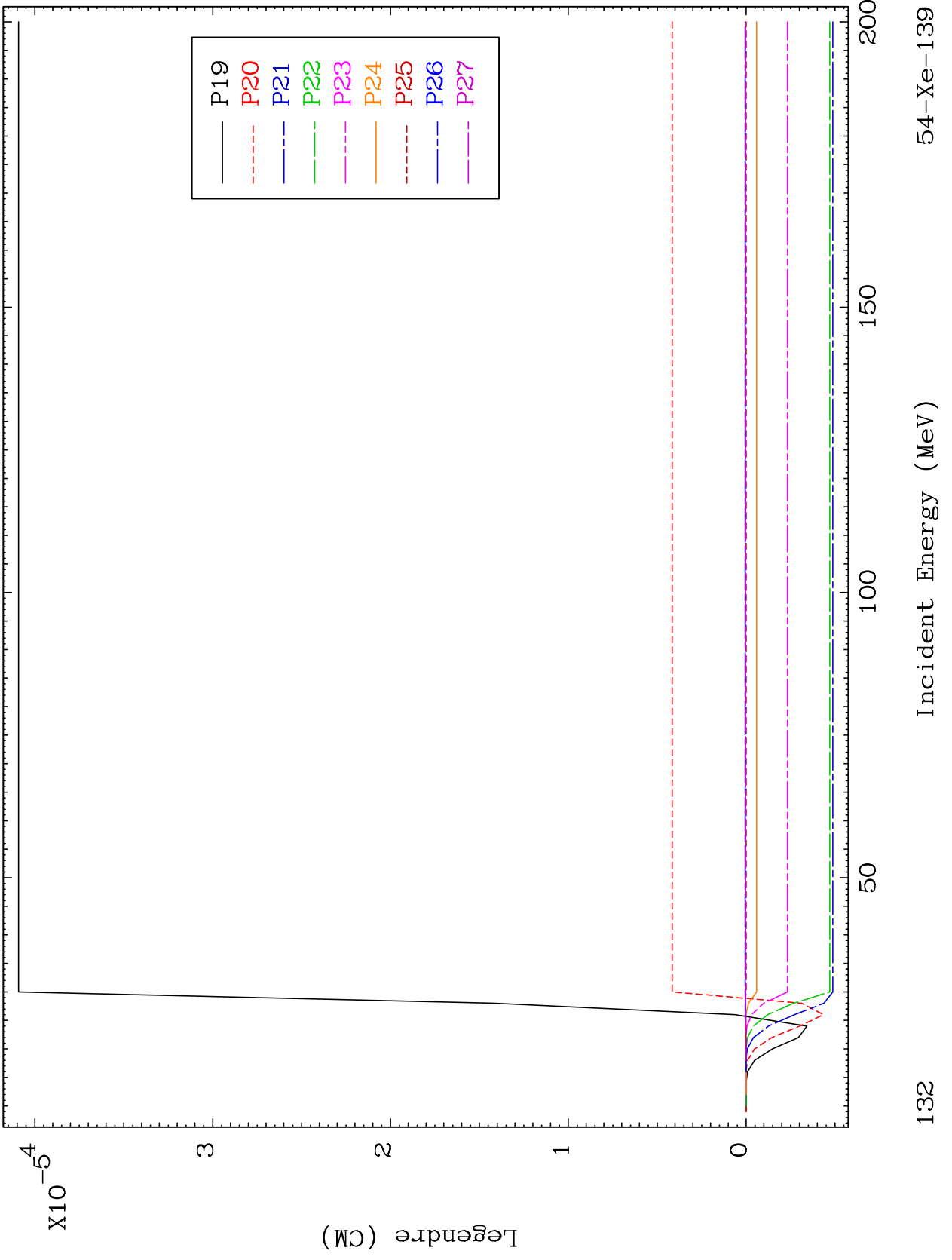
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

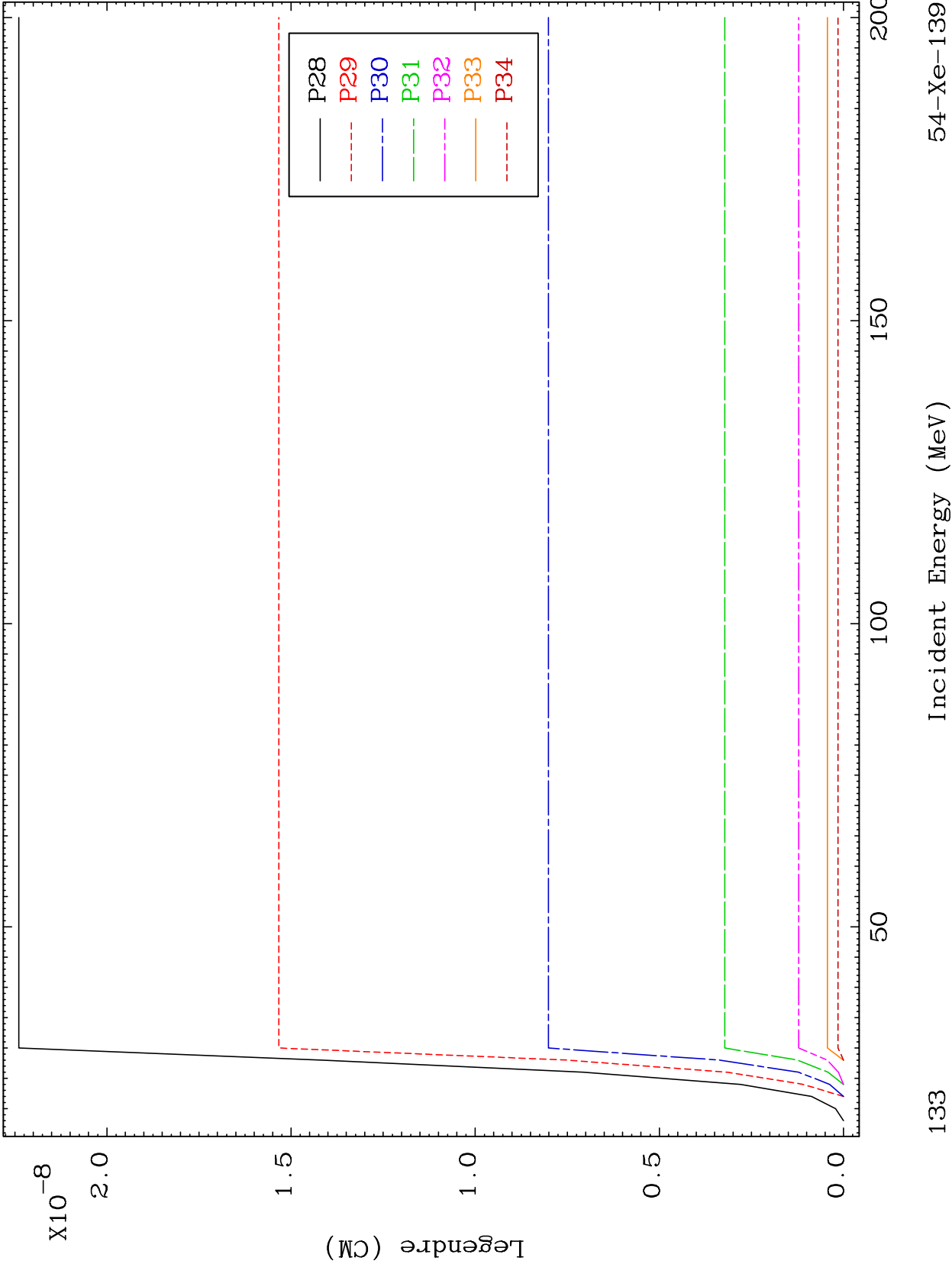
54-Xe-139



MAT 5470

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

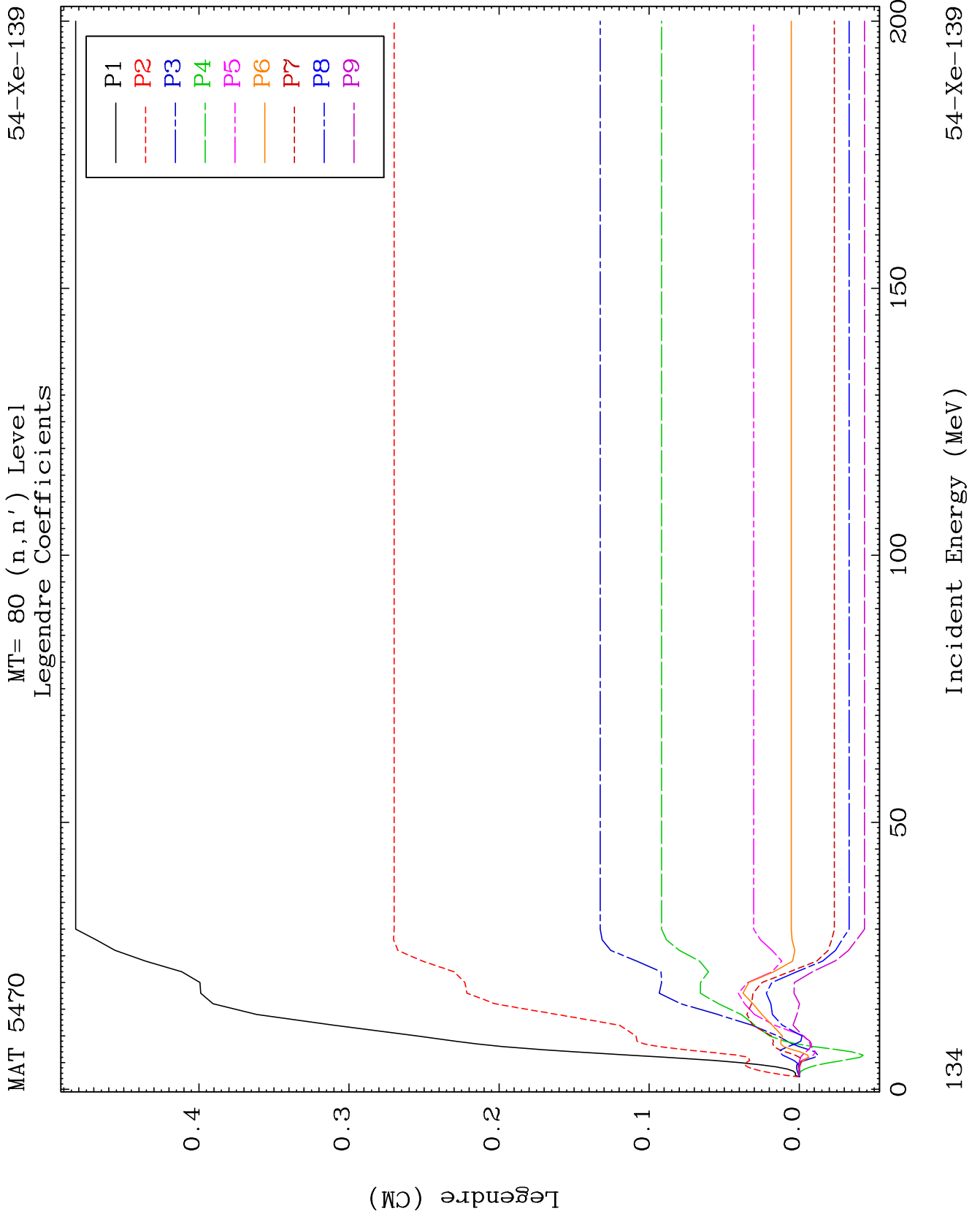
54-Xe-139

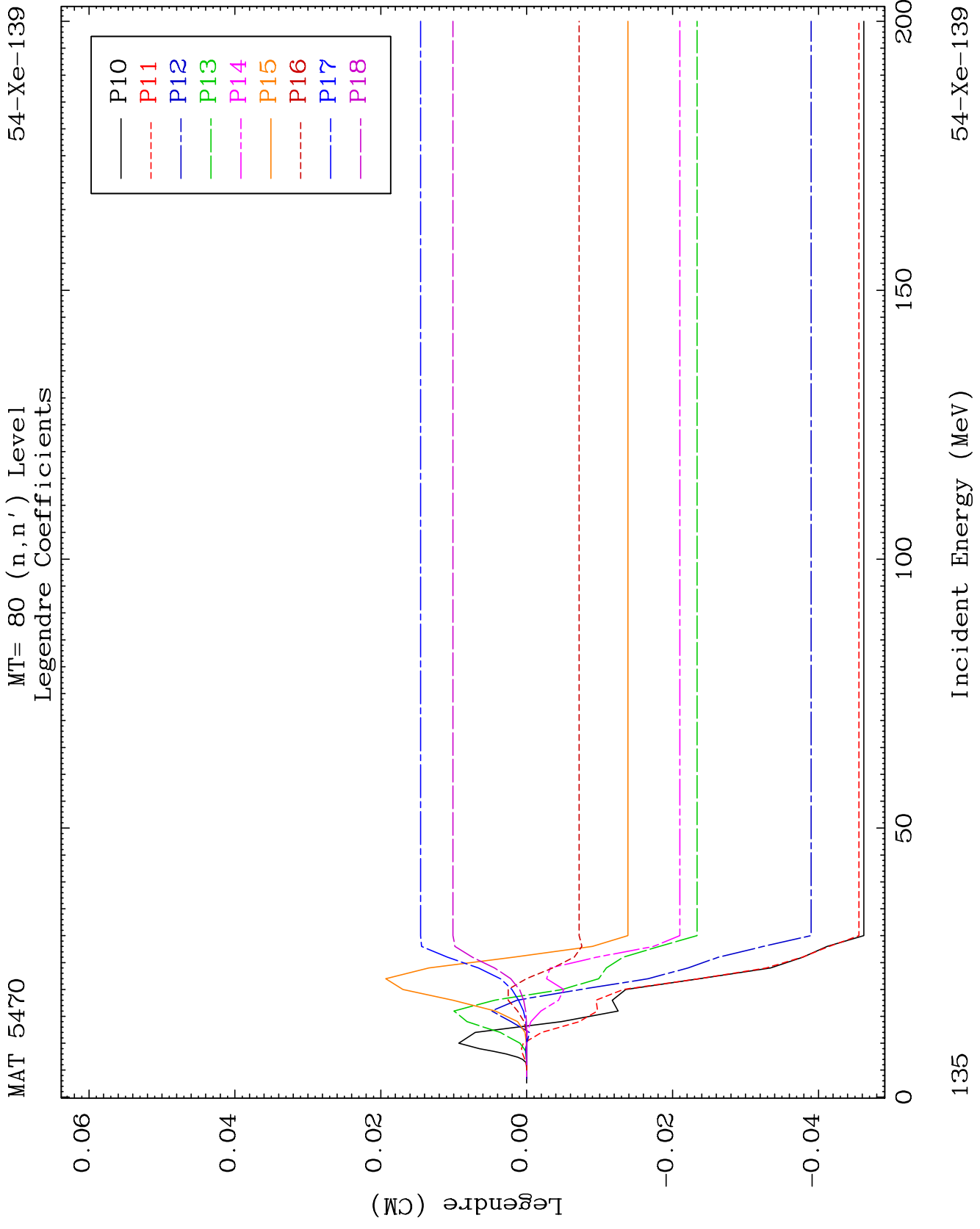


133

Incident Energy (MeV)

54-Xe-139

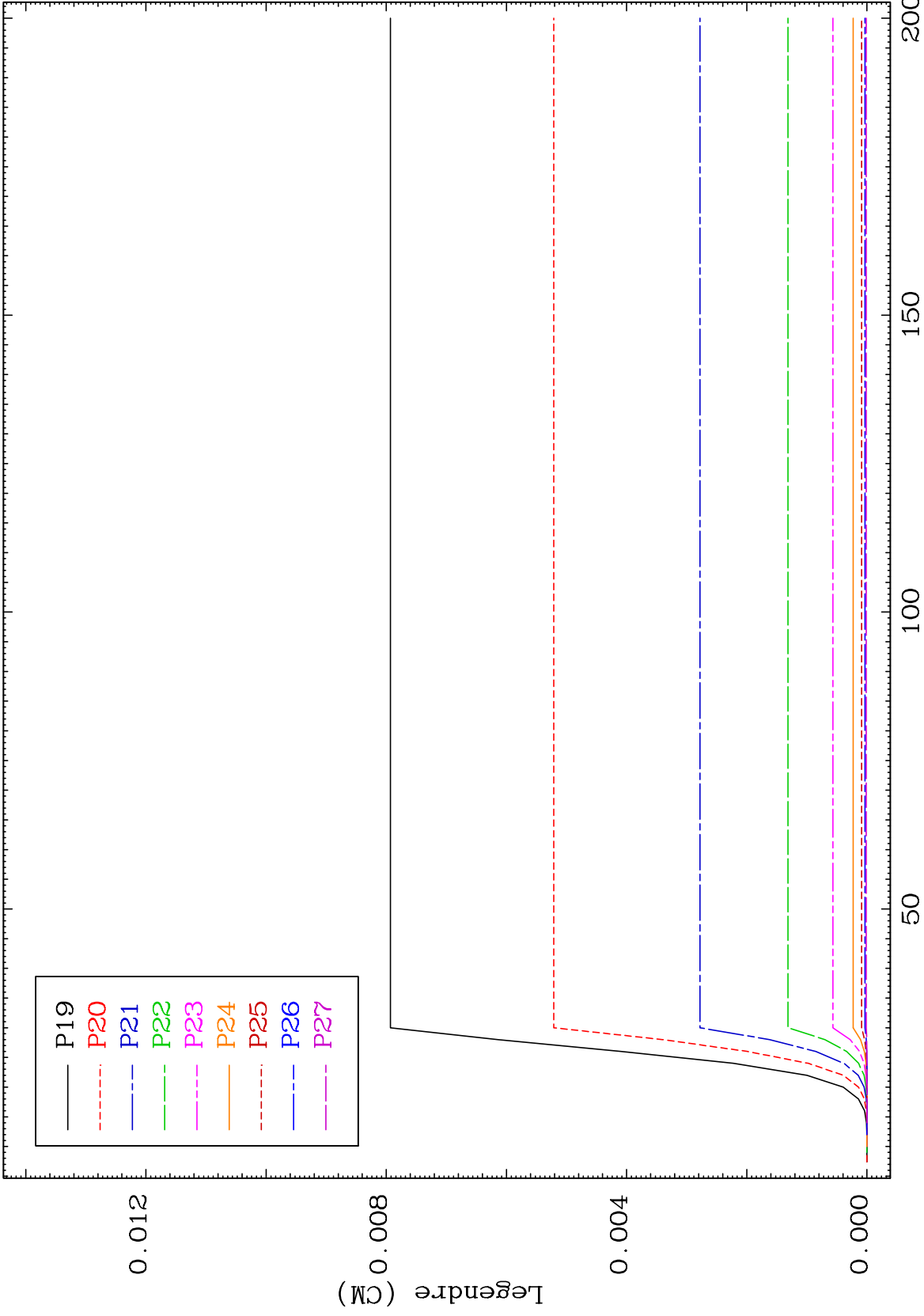




MAT 5470

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

54-Xe-139



136

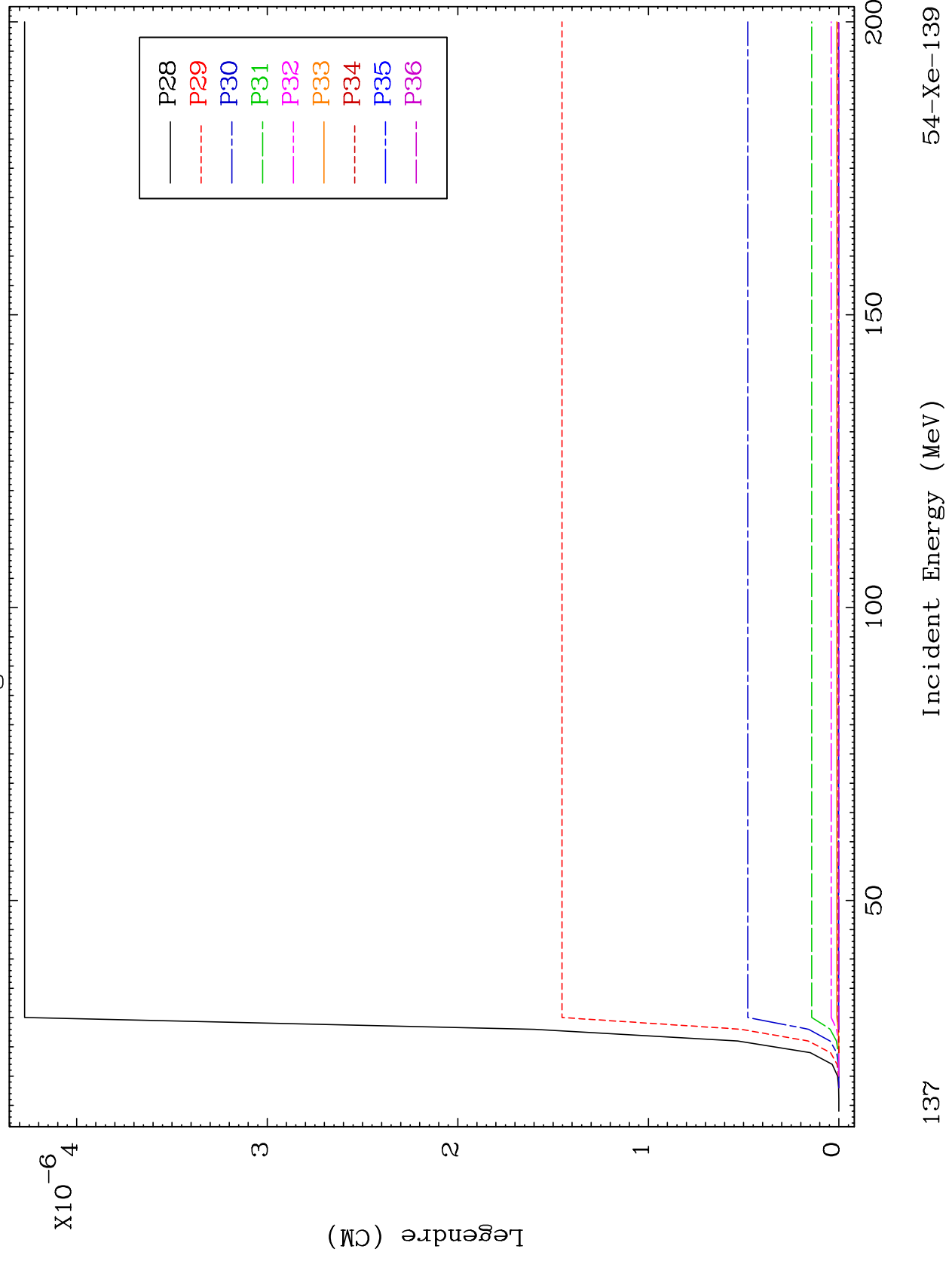
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

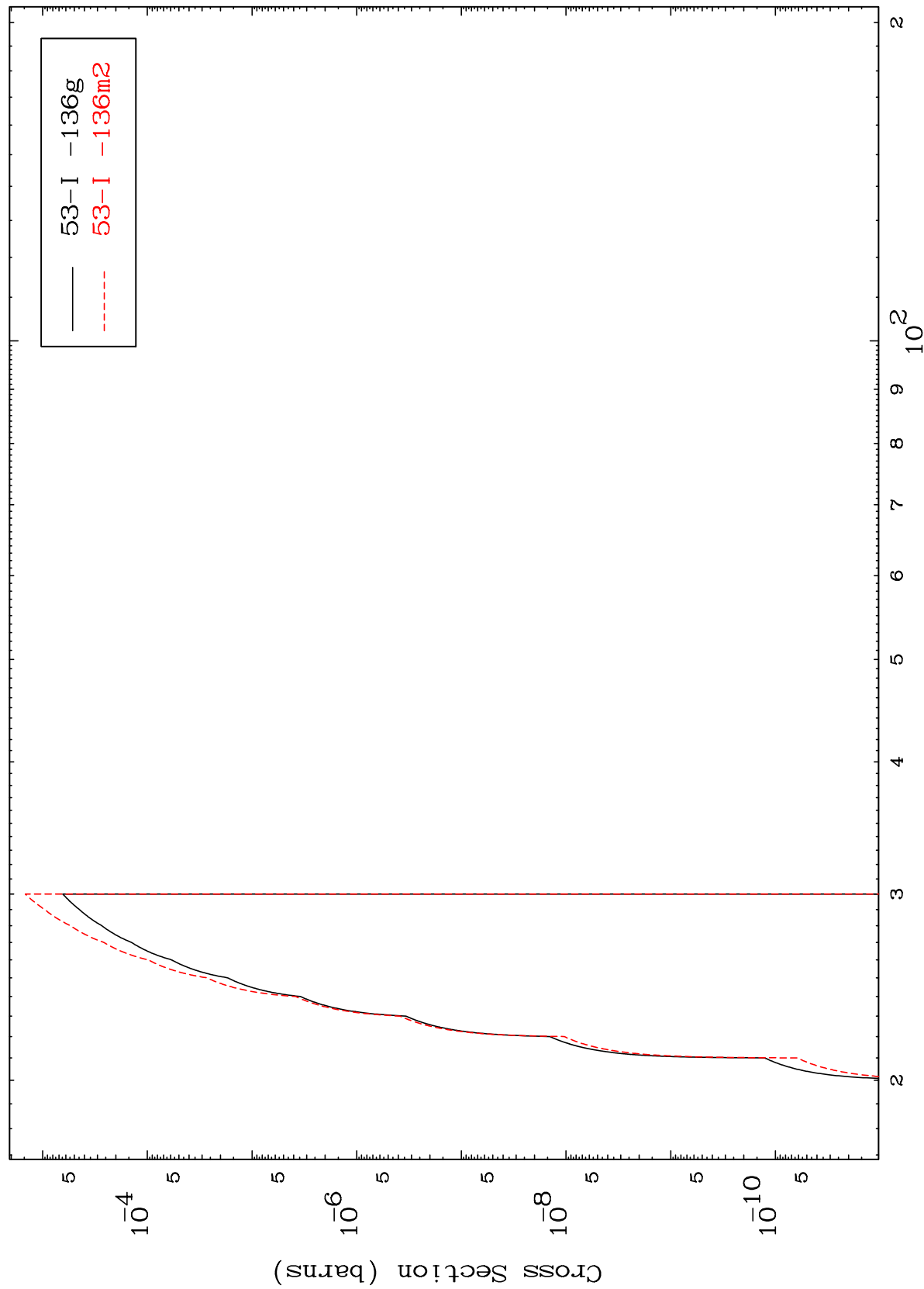
54-Xe-139



137

54-Xe-139

Radionuclide Production Cross Section



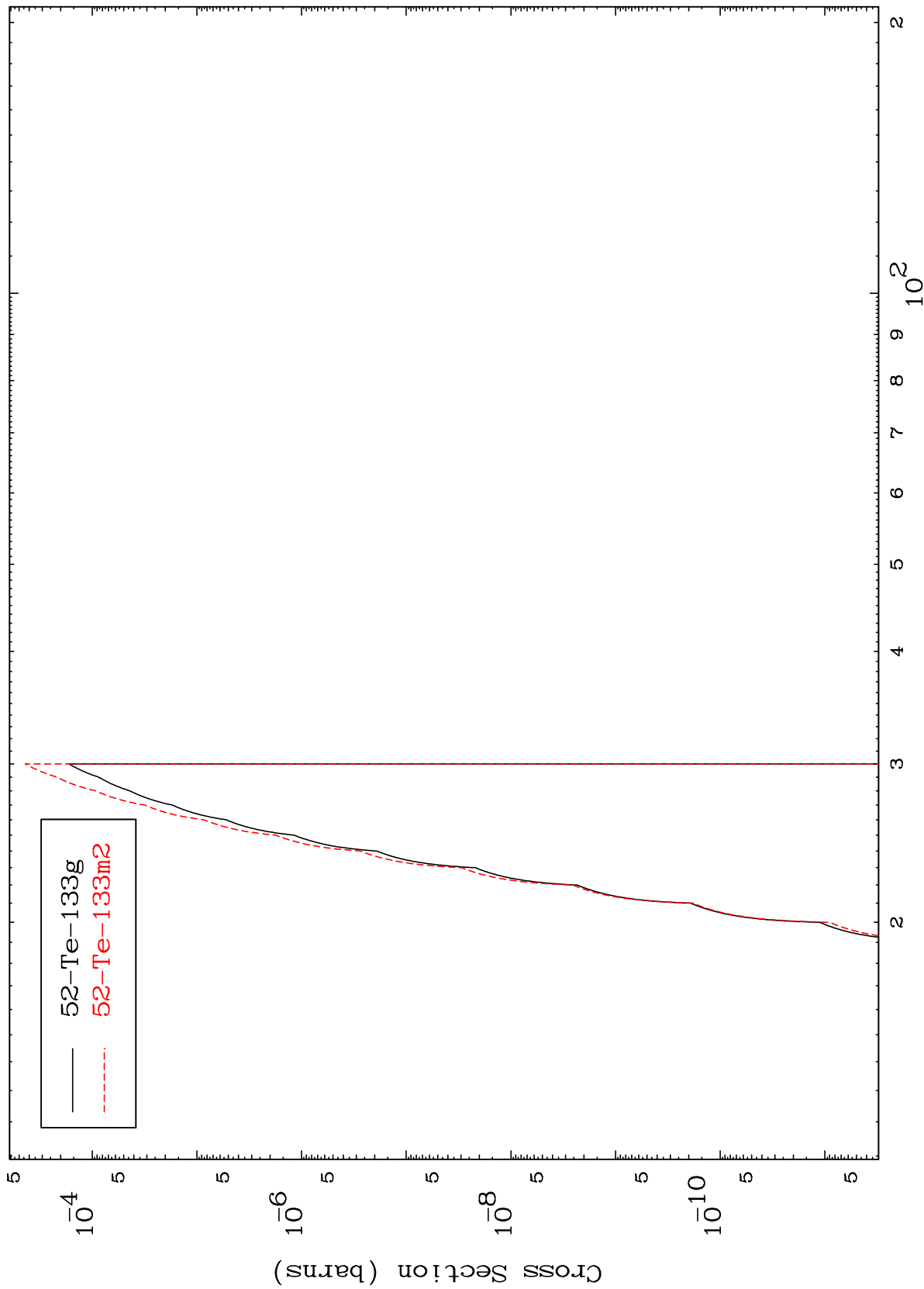
53-I - 136g
53-I - 136m2

MAT 5470

(n,3n) α

54-Xe-139

Radionuclide Production Cross Section



139

Incident Energy (MeV)

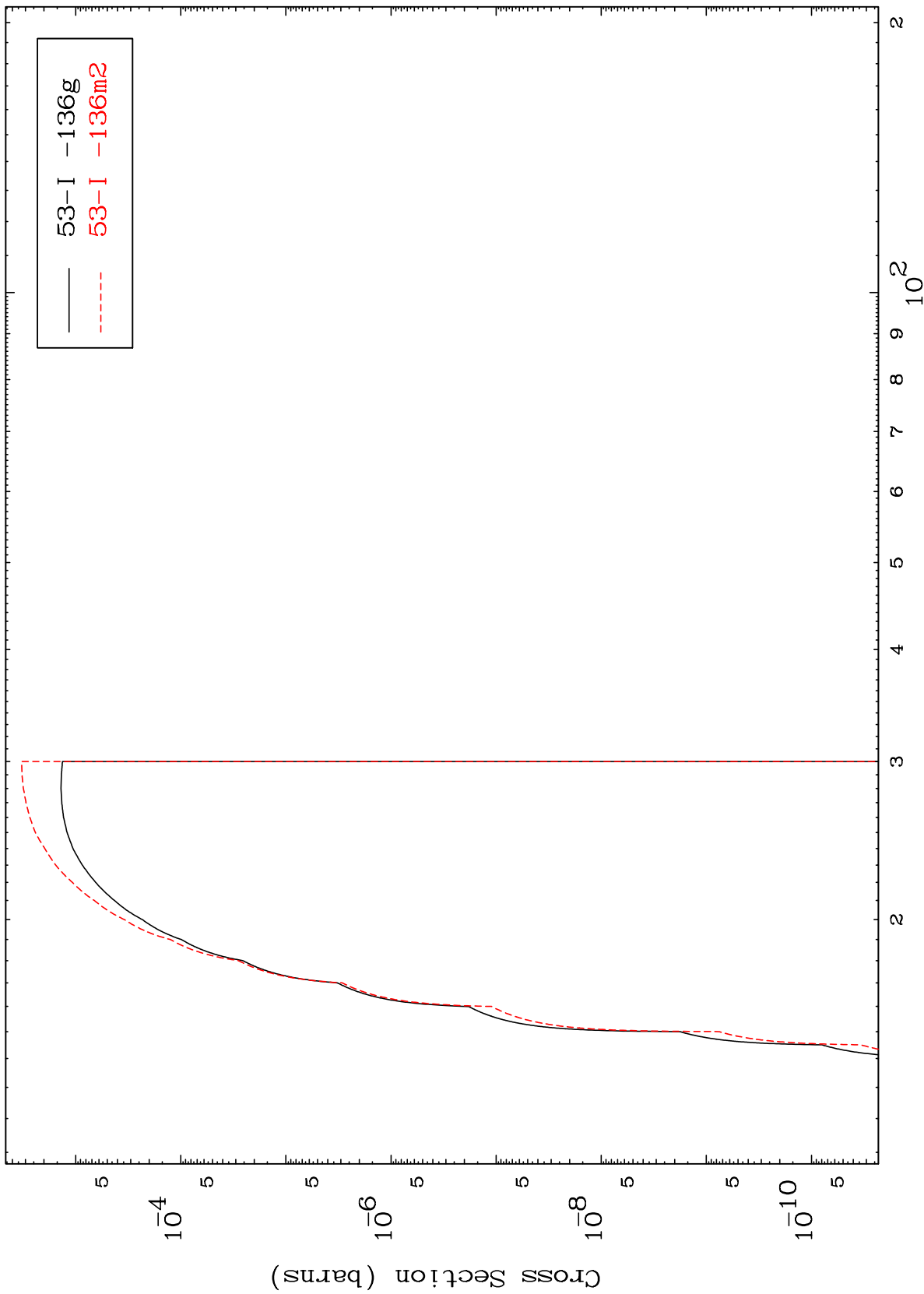
54-Xe-139

MAT 5470

(n,n') t

54-Xe-139

Radionuclide Production Cross Section



140

Incident Energy (MeV)

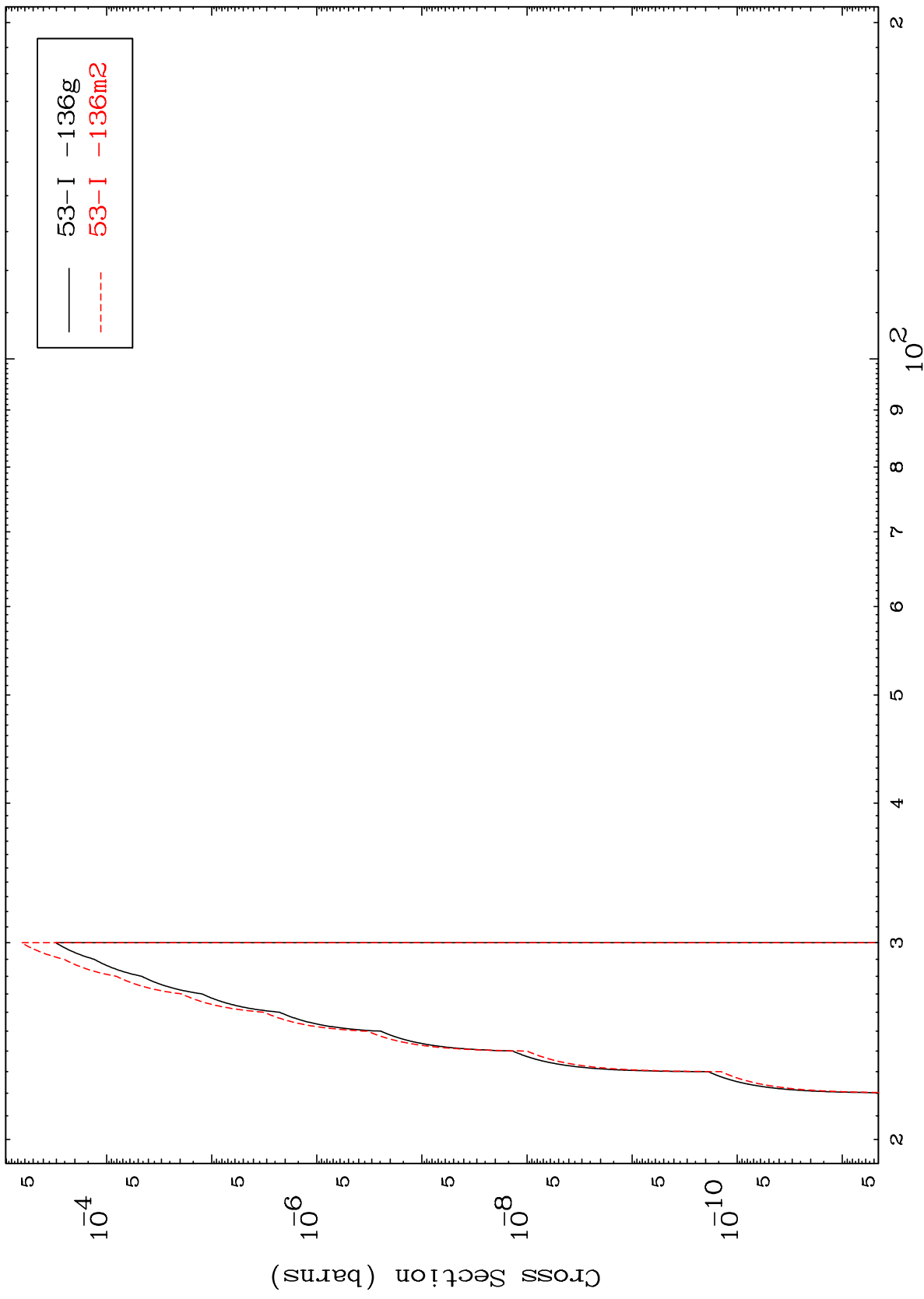
54-Xe-139

MAT 5470

(n,3n) p

54-Xe-139

Radionuclide Production Cross Section



141

Incident Energy (MeV)

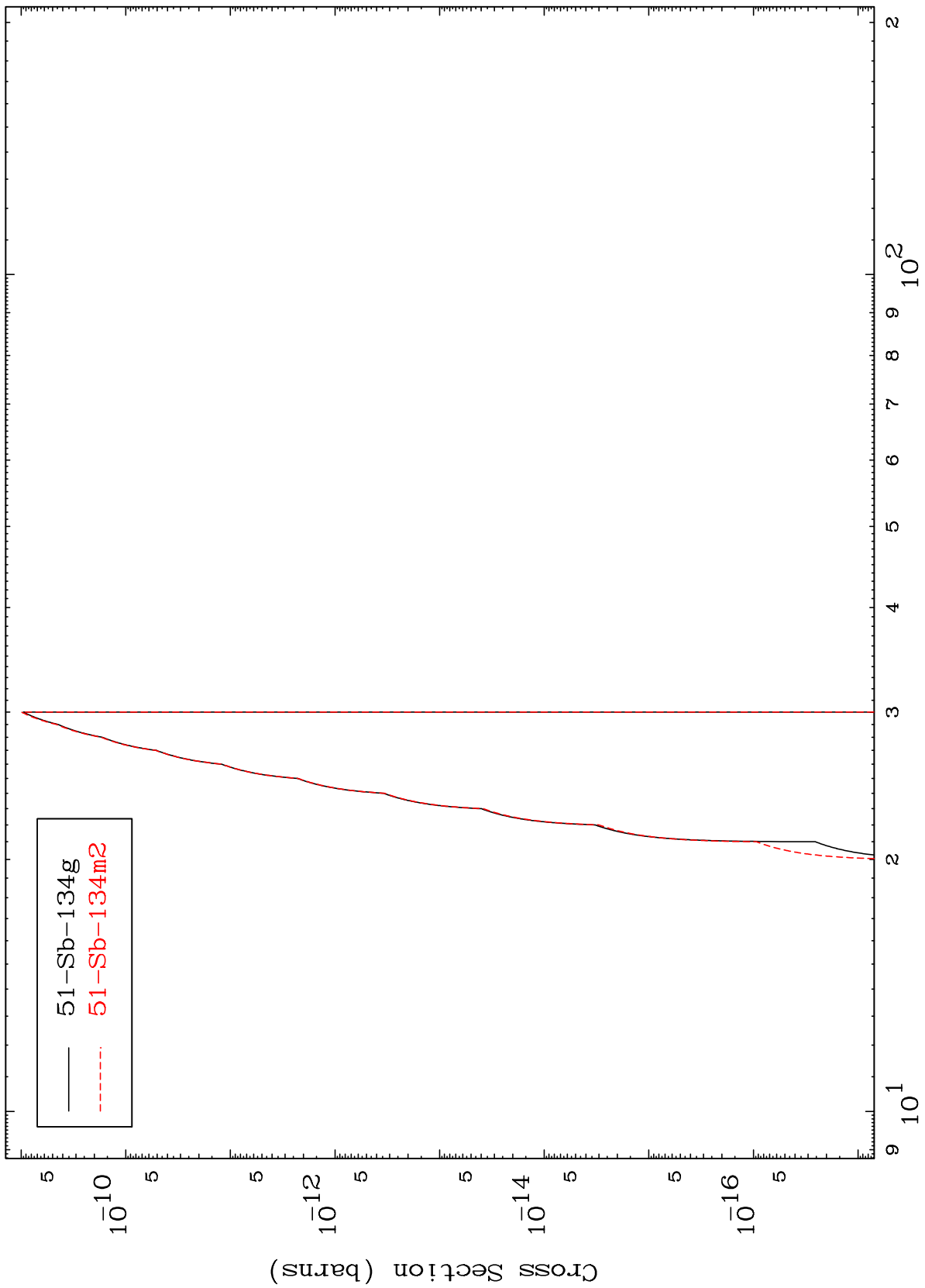
54-Xe-139

MAT 5470

(n,d) α

54-Xe-139

Radionuclide Production Cross Section



51-Sb-134g
51-Sb-134m2

142

Incident Energy (MeV)

54-Xe-139