

Program EVALPLOT
(Version 2017-1)

by

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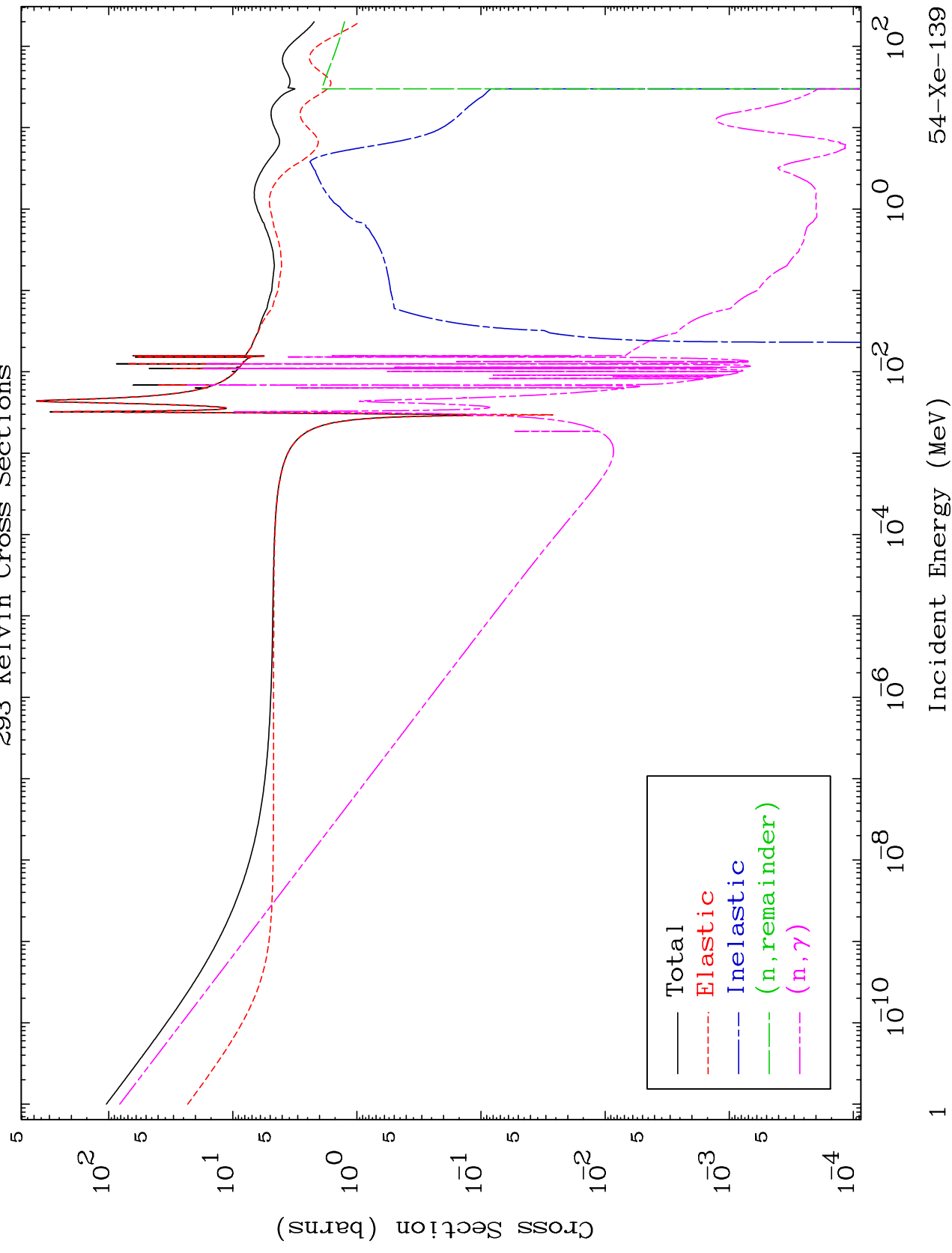
Press Mouse Button to Start

MAT 5470

Major

293 Kelvin Cross Sections

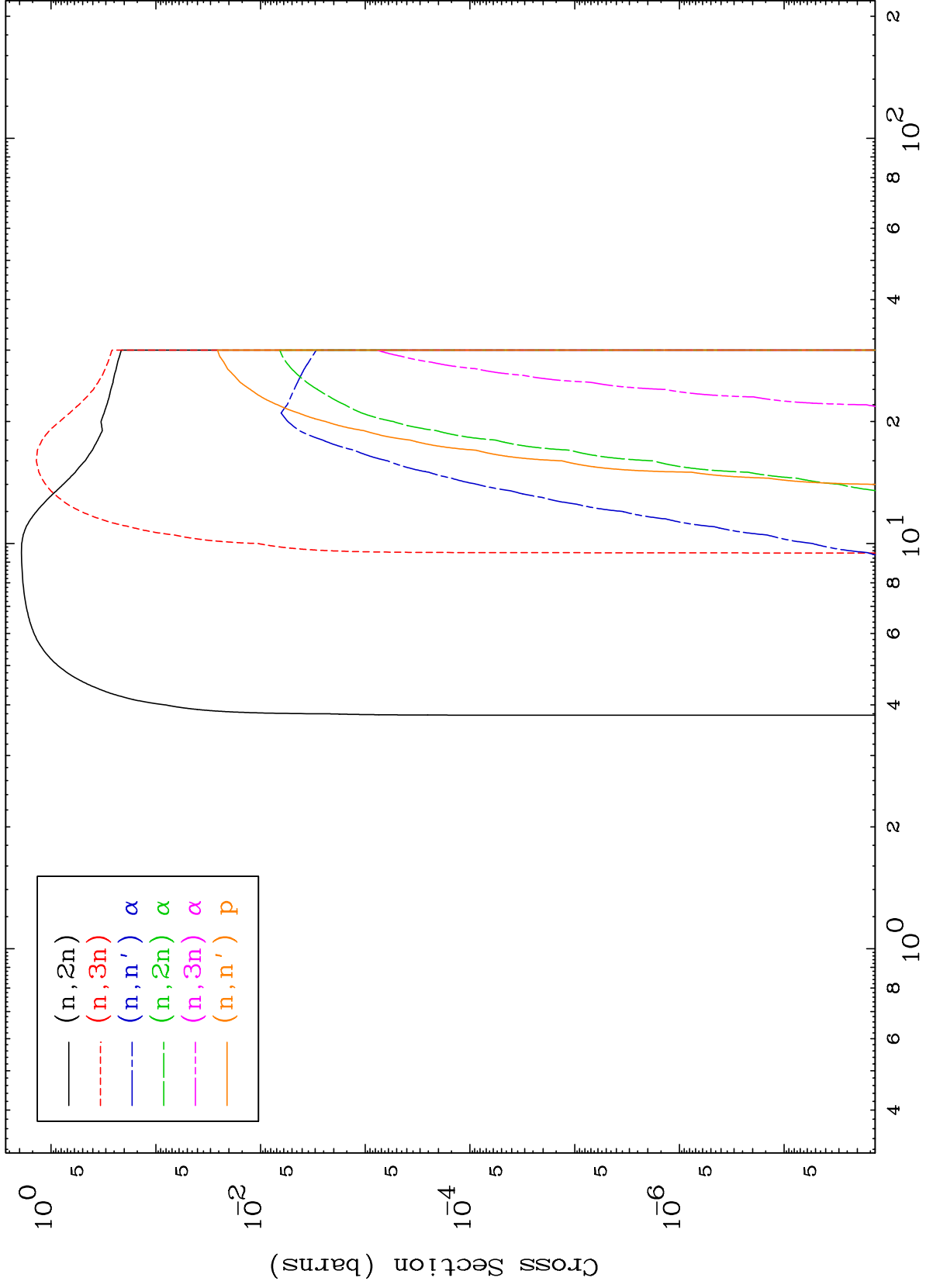
54-Xe-139

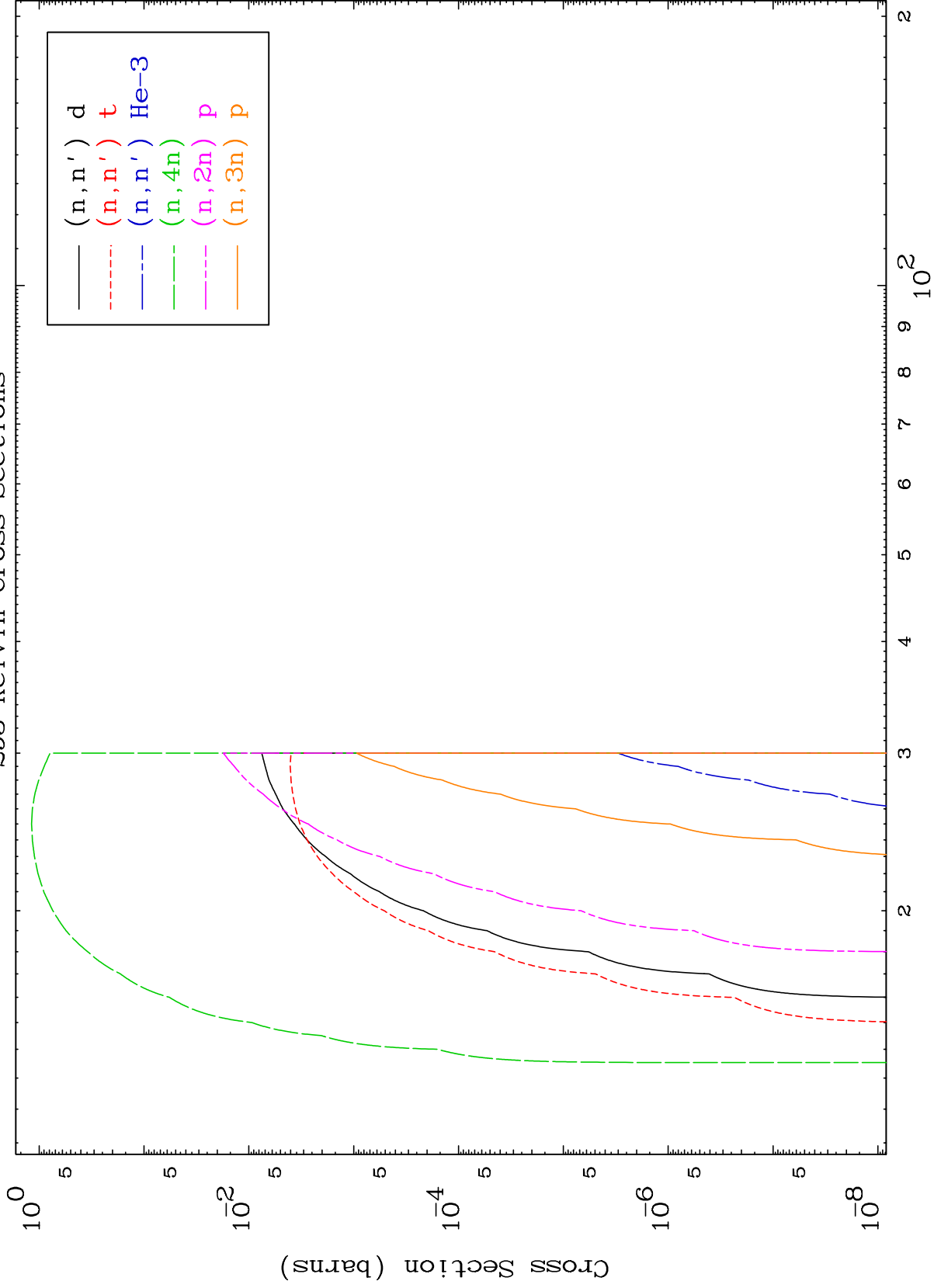


MAT 5470

Neutron Production
293 Kelvin Cross Sections

54-Xe-139

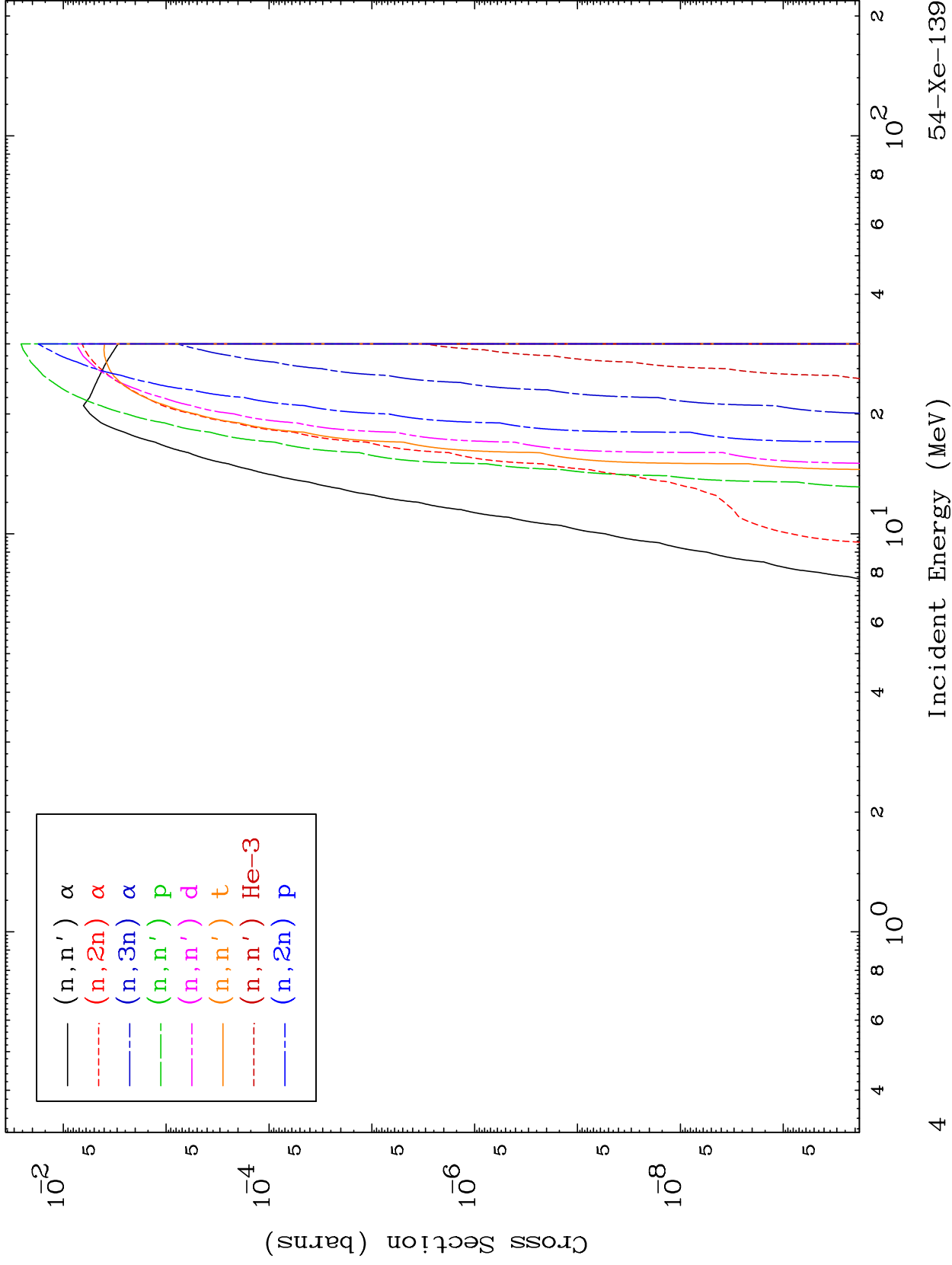




MAT 5470

Charged Particle
293 Kelvin Cross Sections

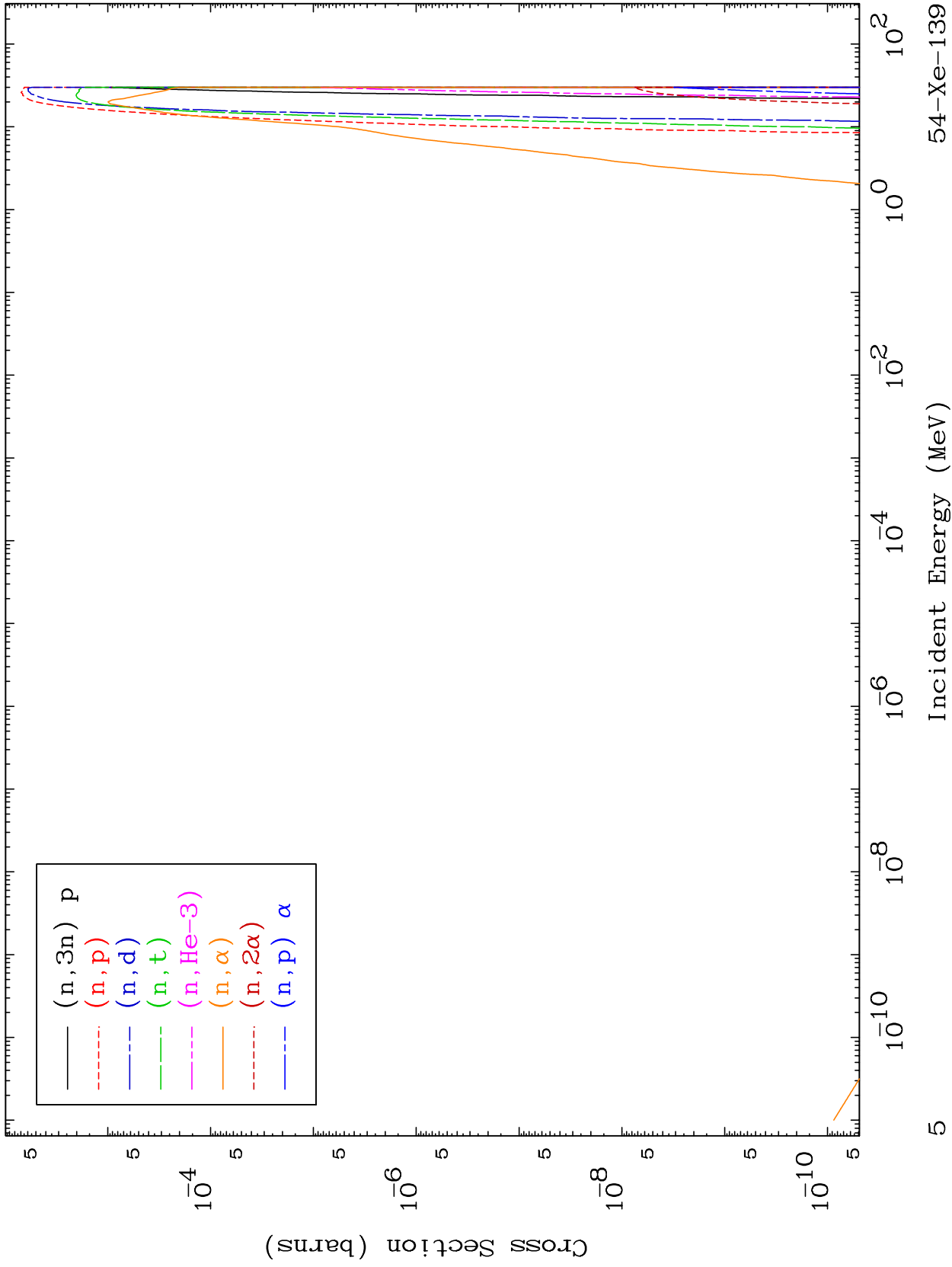
54-Xe-139



MAT 5470

Charged Particle
293 Kelvin Cross Sections

54-Xe-139

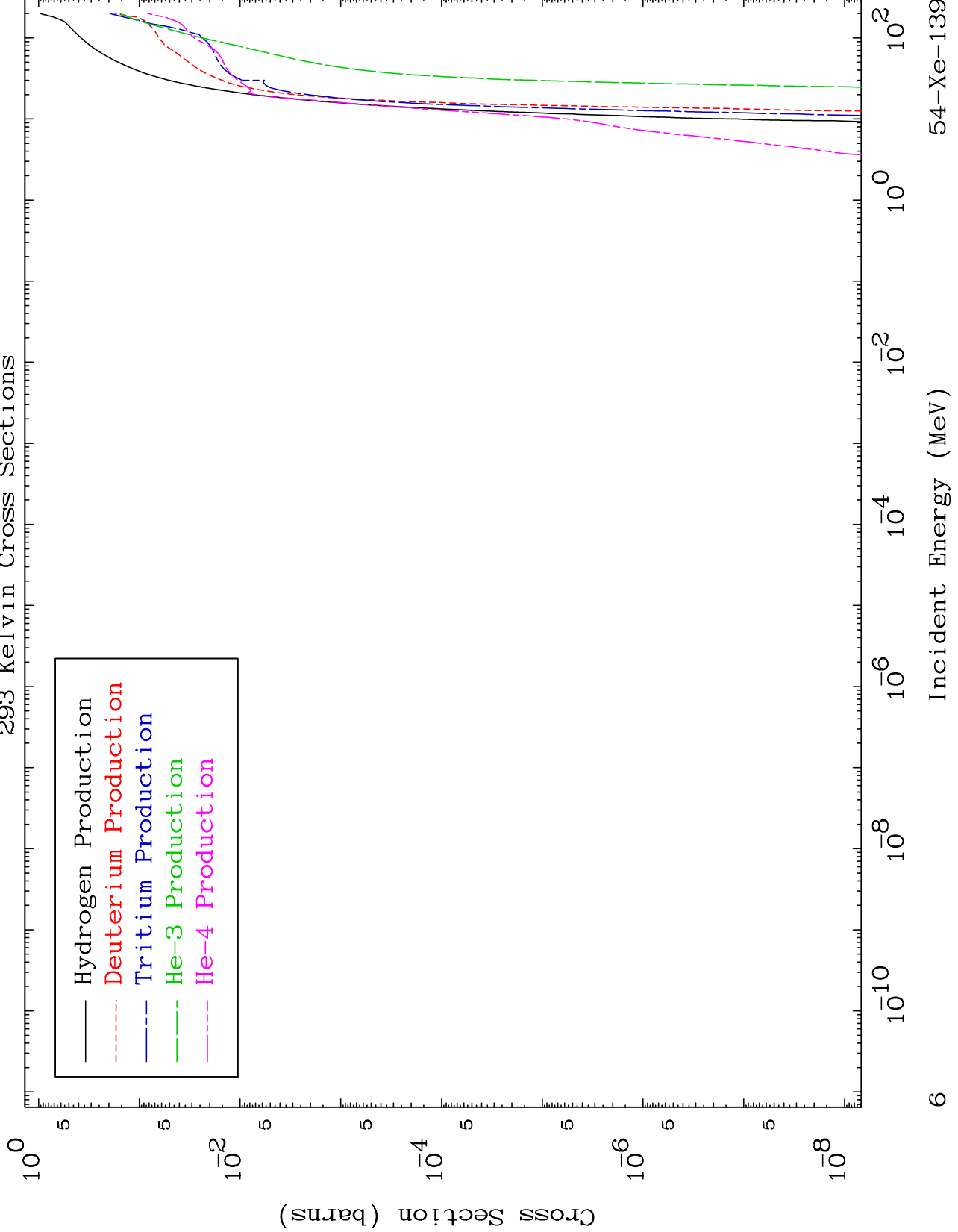


5

MAT 5470

Particle Production
293 Kelvin Cross Sections

54-Xe-139

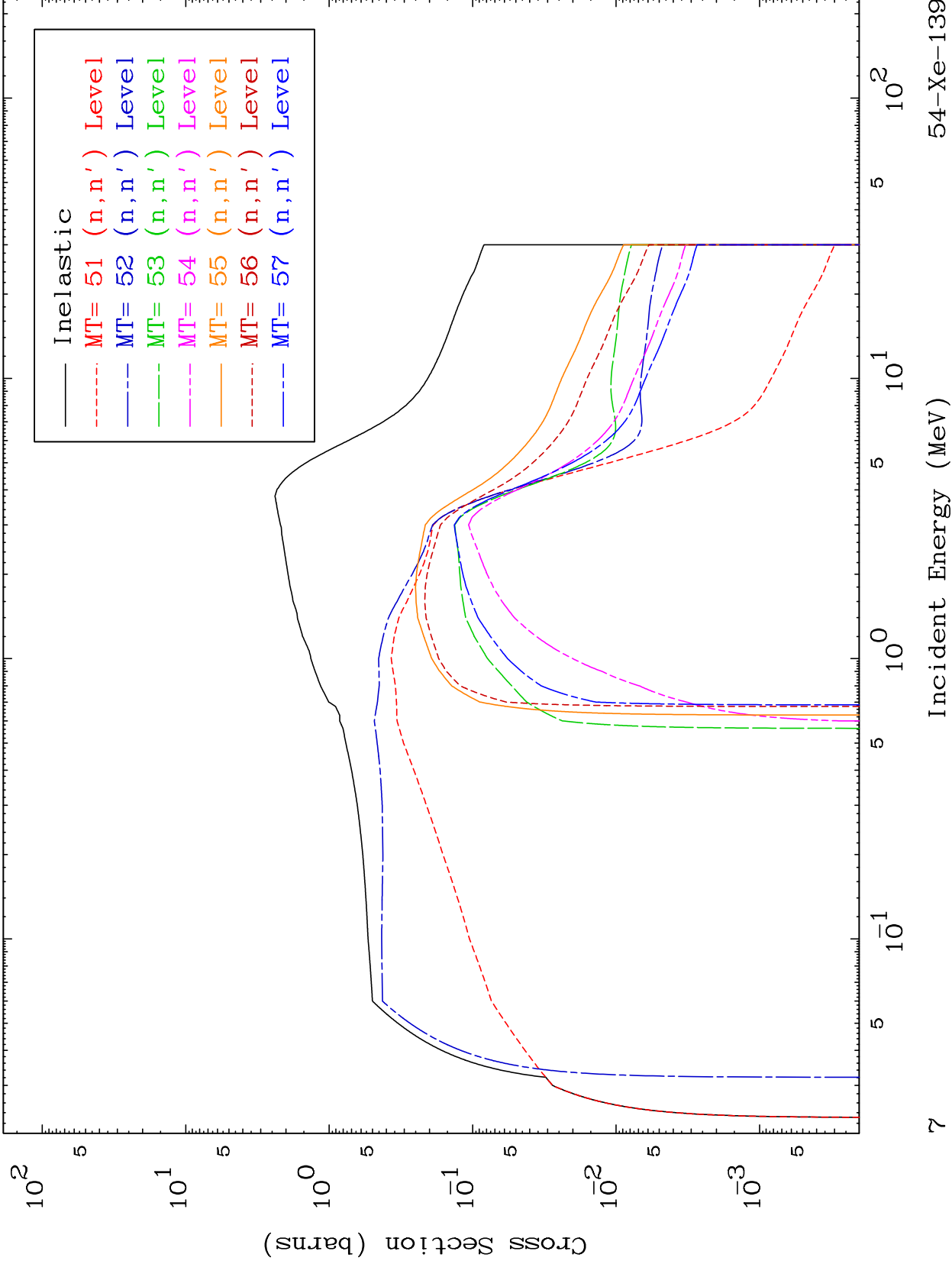


MAT 5470

(n,n') Level

54-Xe-139

293 Kelvin Cross Sections

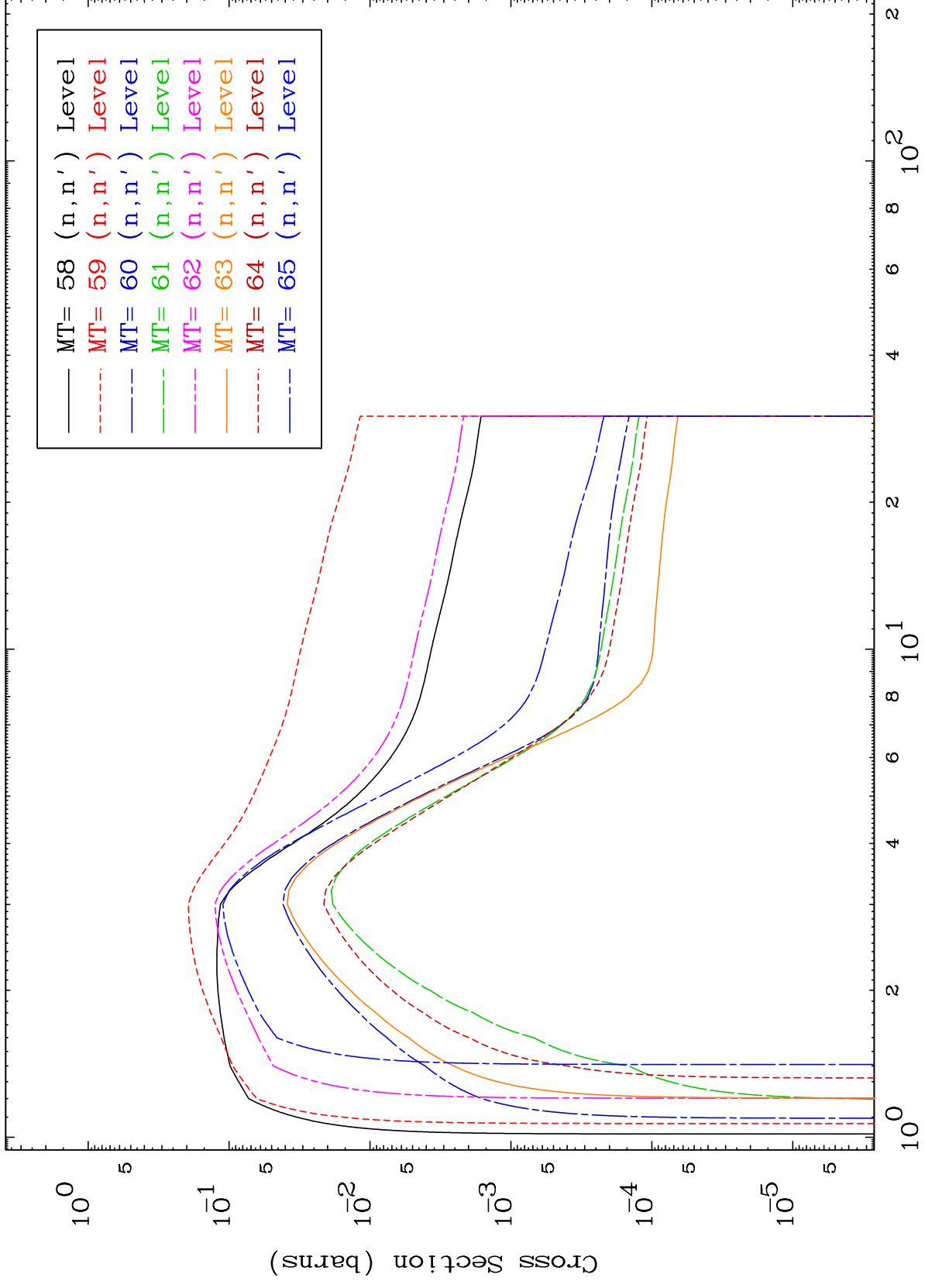


MAT 5470

(n,n') Level

293 Kelvin Cross Sections

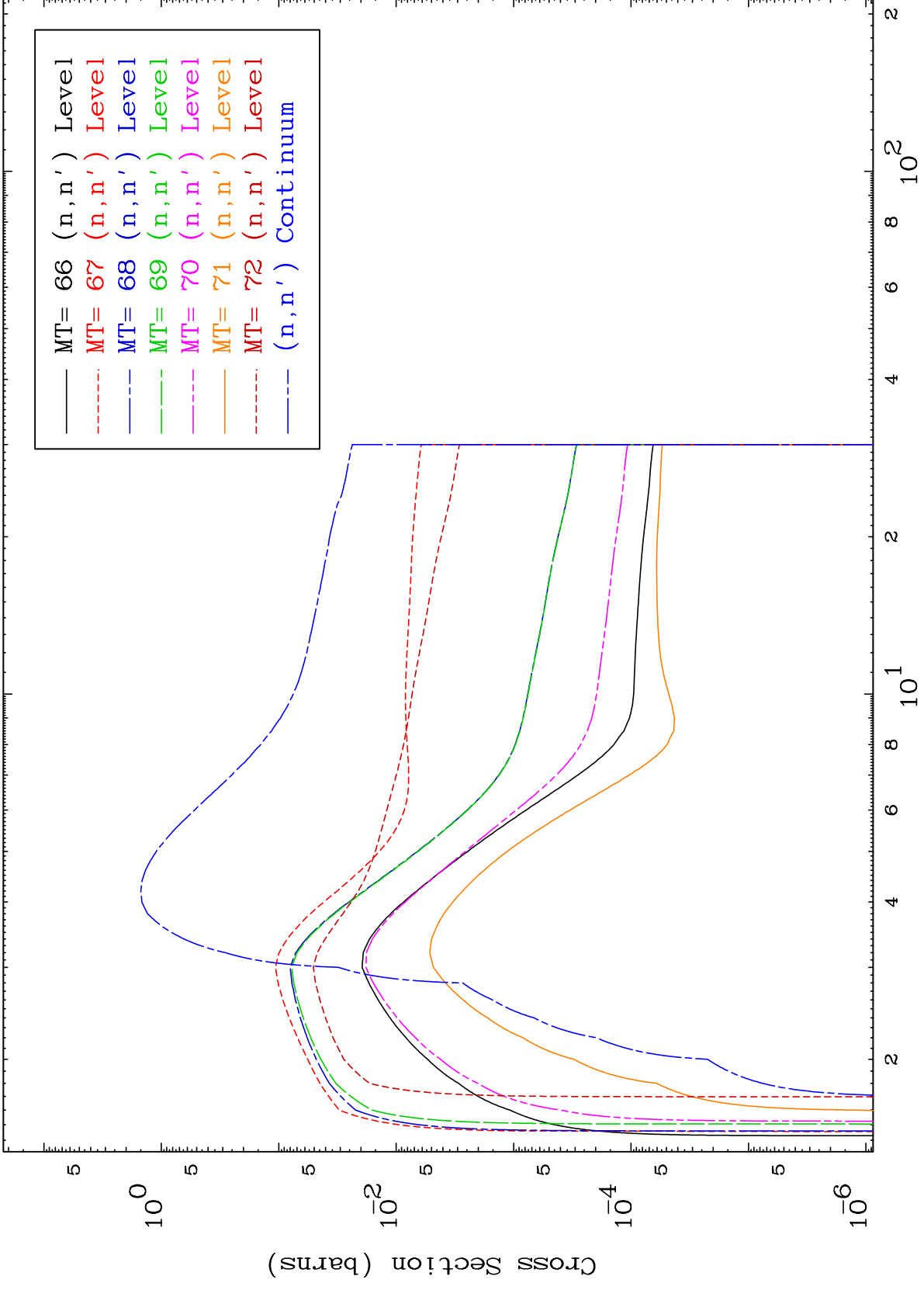
54-Xe-139



Incident Energy (MeV)

54-Xe-139

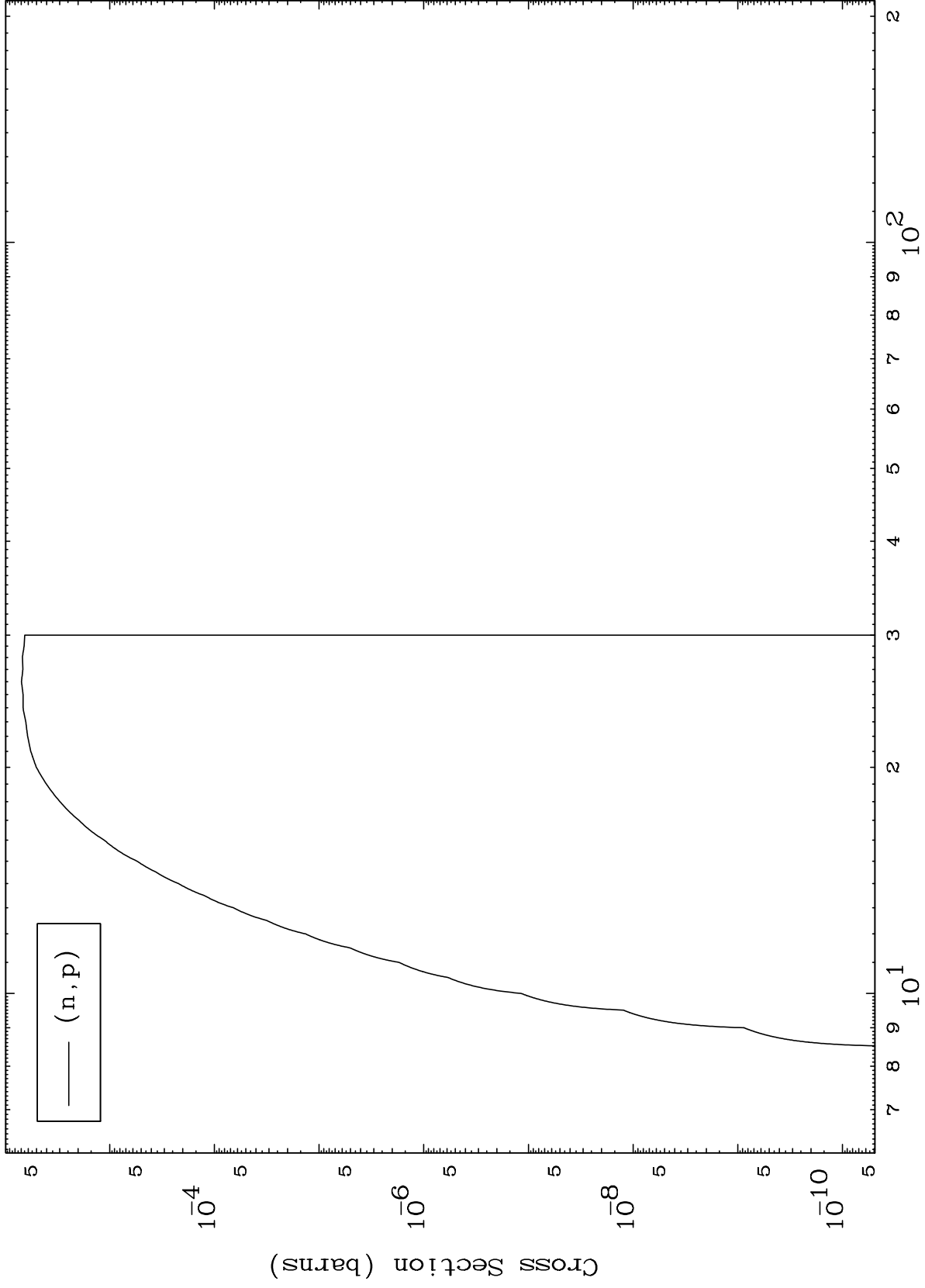
293 Kelvin Cross Sections



MAT 5470

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-139



10

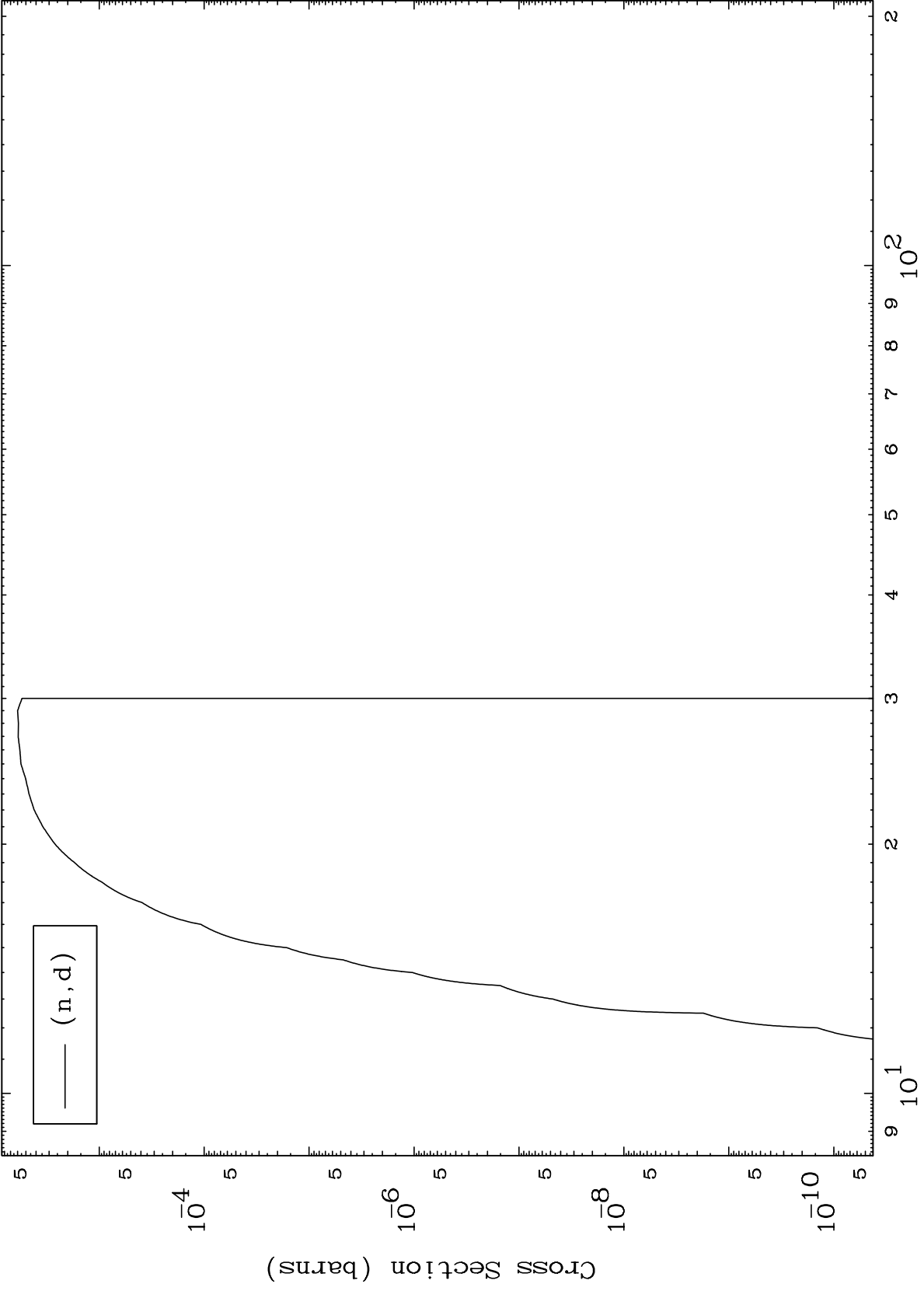
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-139



11

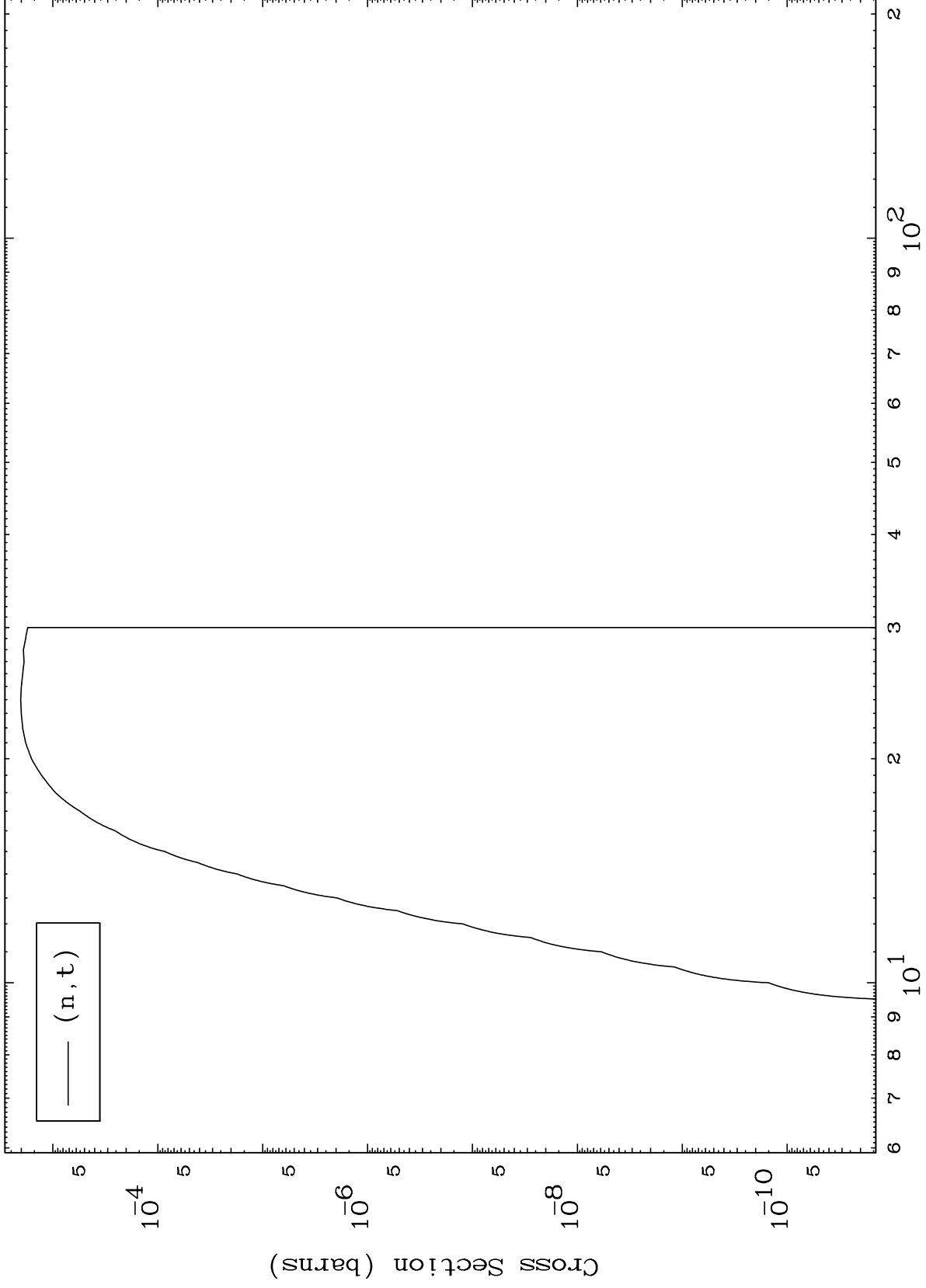
Incident Energy (MeV)

54-Xe-139

MAT 5470

(n, t) Levels
293 Kelvin Cross Sections

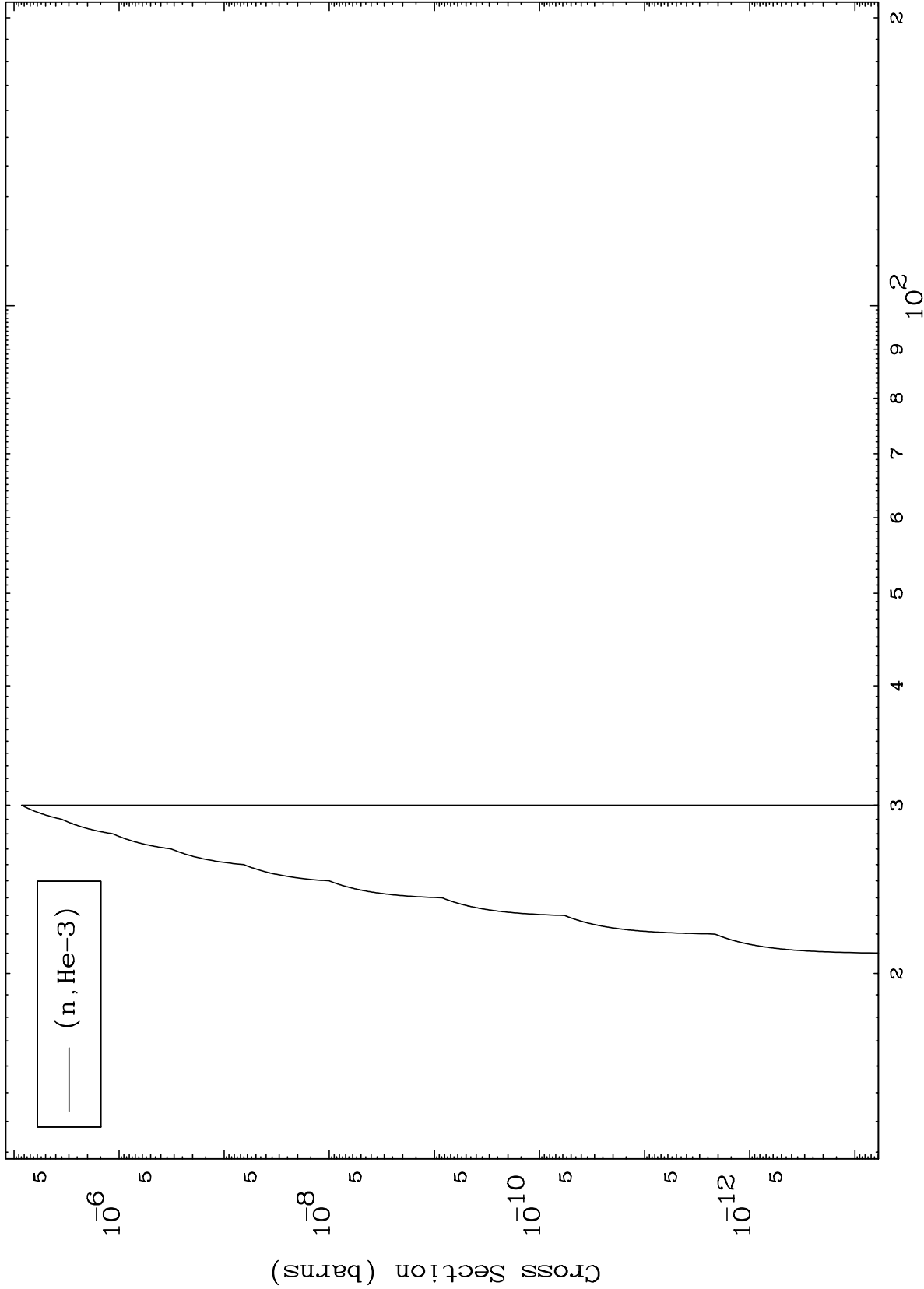
54-Xe-139



12

Incident Energy (MeV)

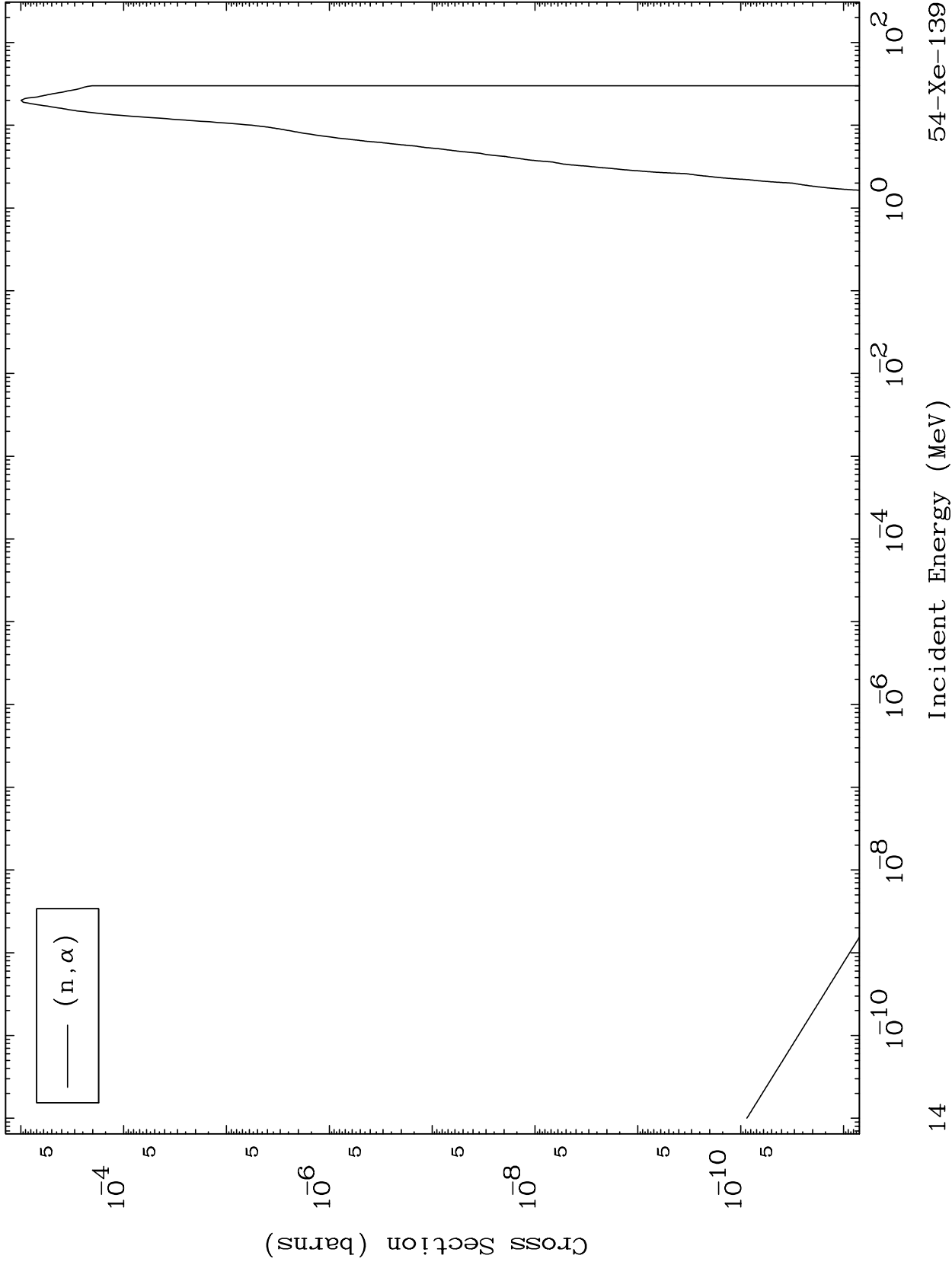
54-Xe-139

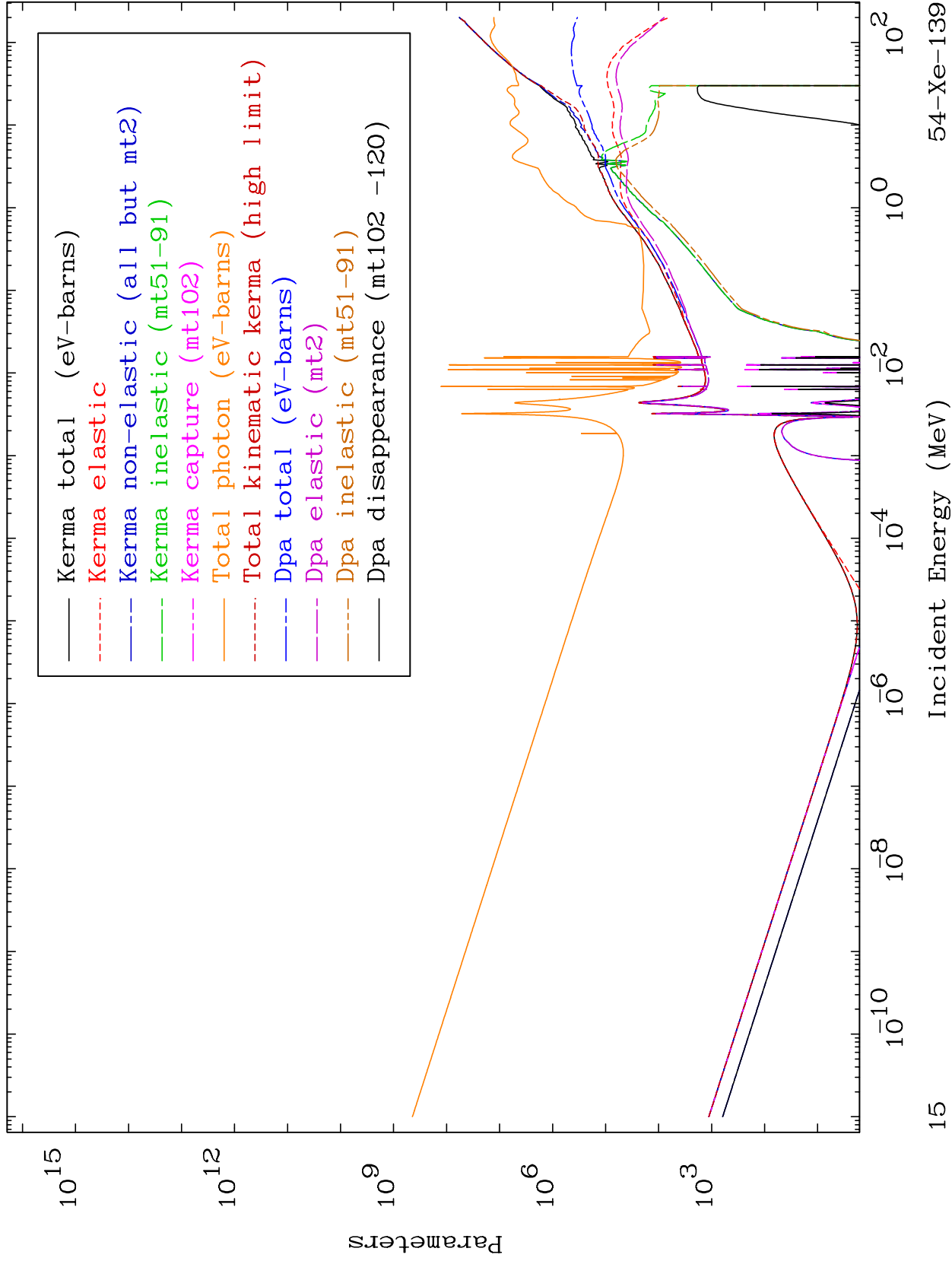


MAT 5470

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-139

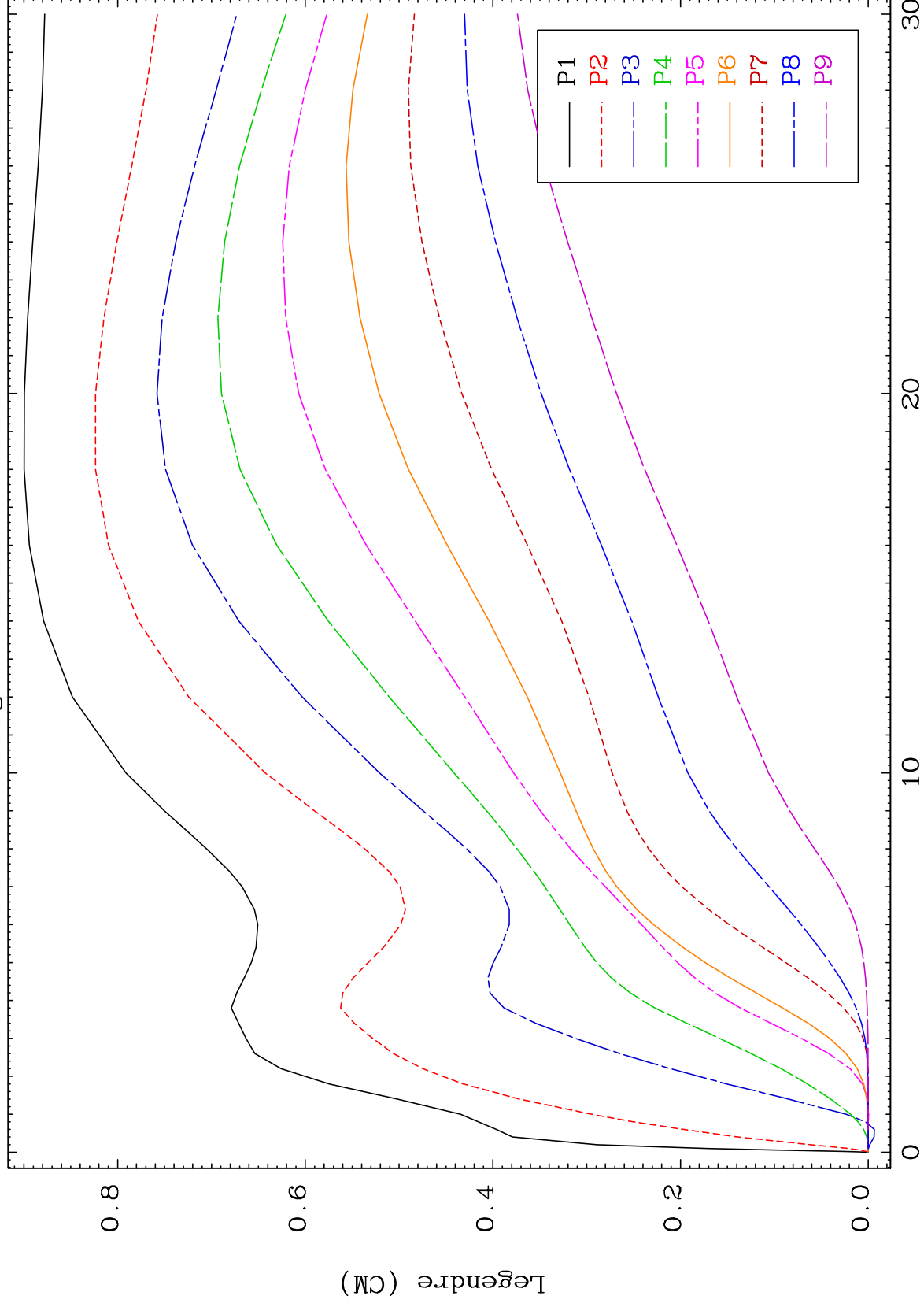




MAT 5470

Elastic Legendre Coefficients

54-Xe-139



16

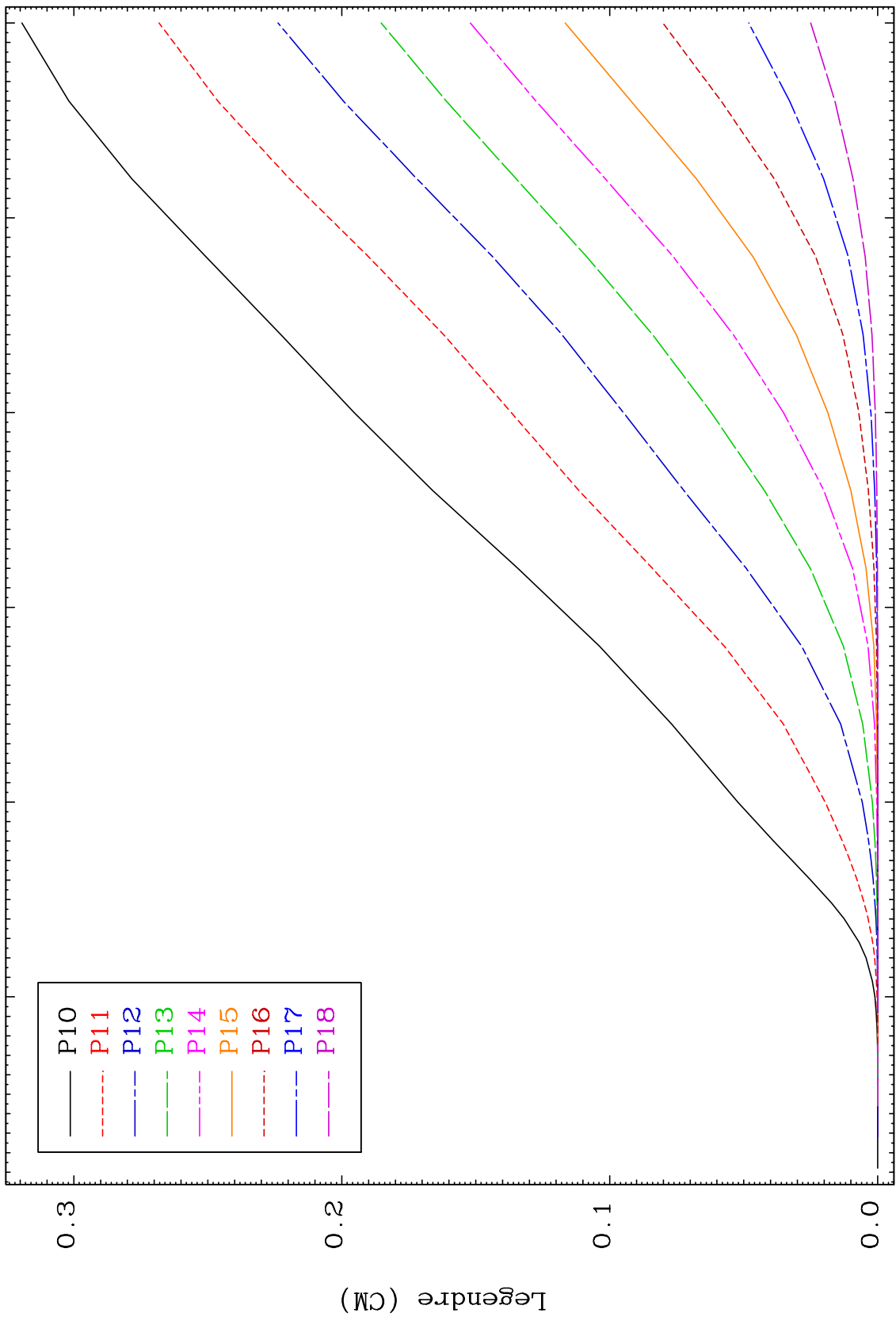
Incident Energy (MeV)

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



17

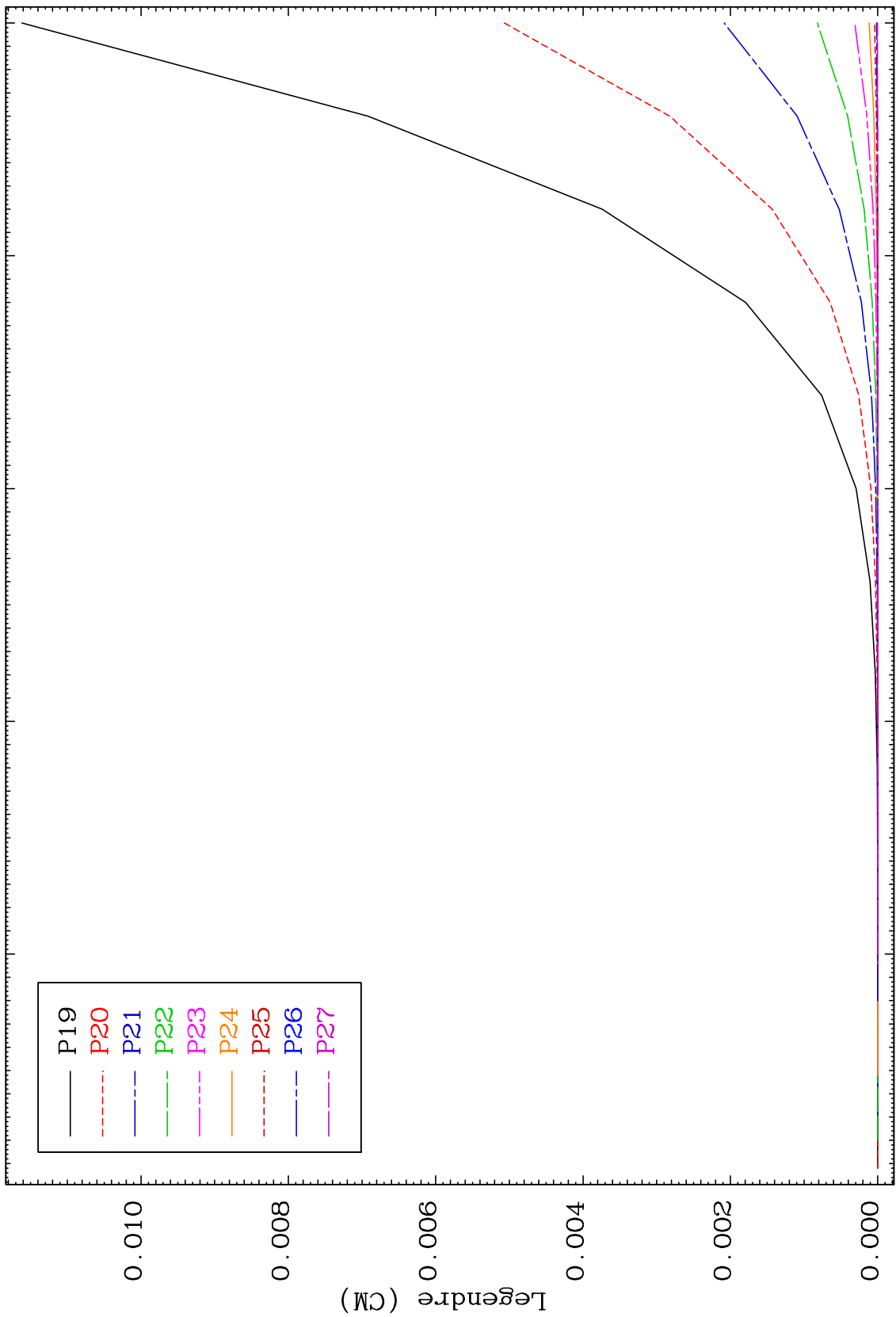
Incident Energy (MeV)

54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139



18

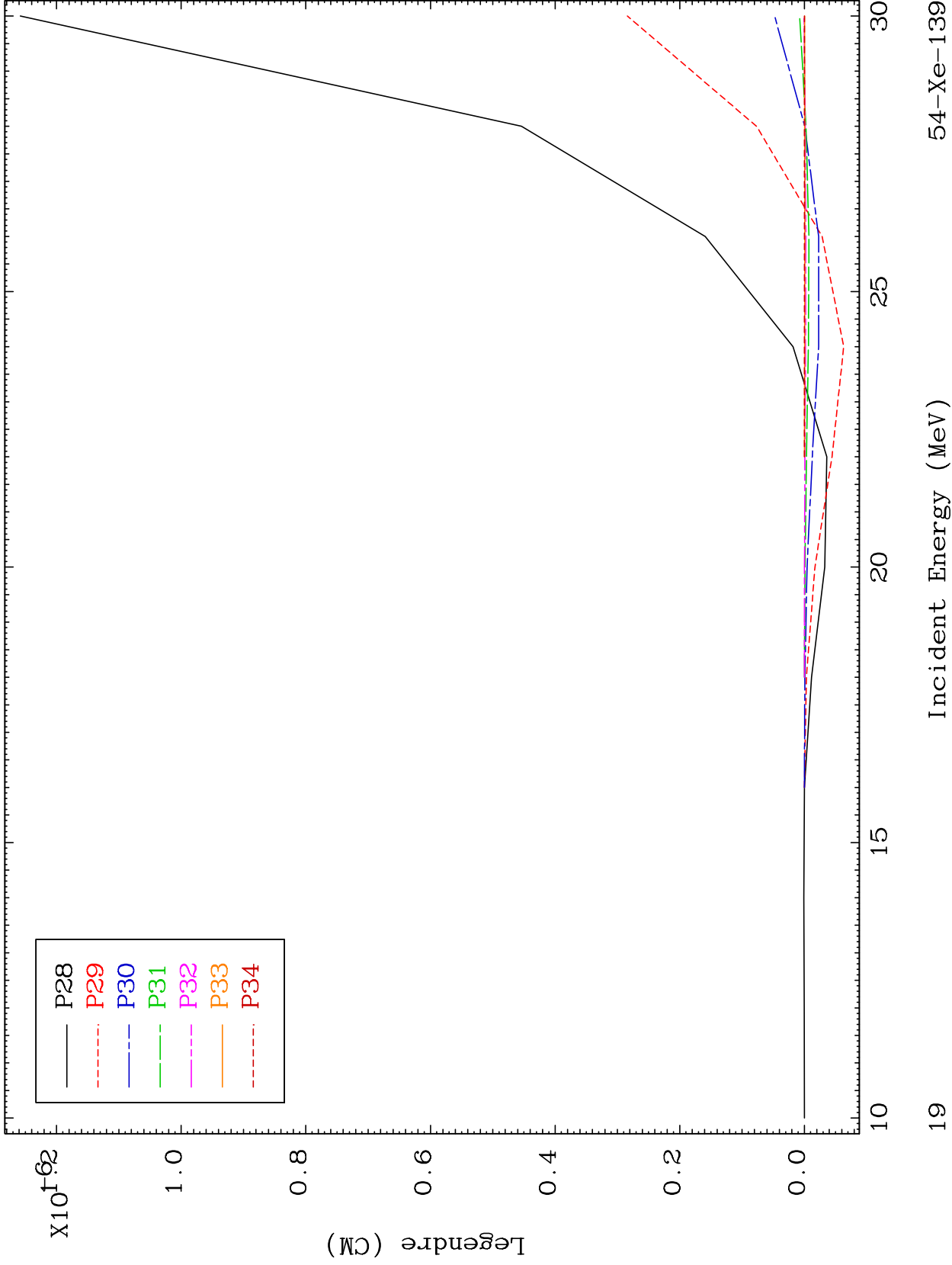
Incident Energy (MeV)

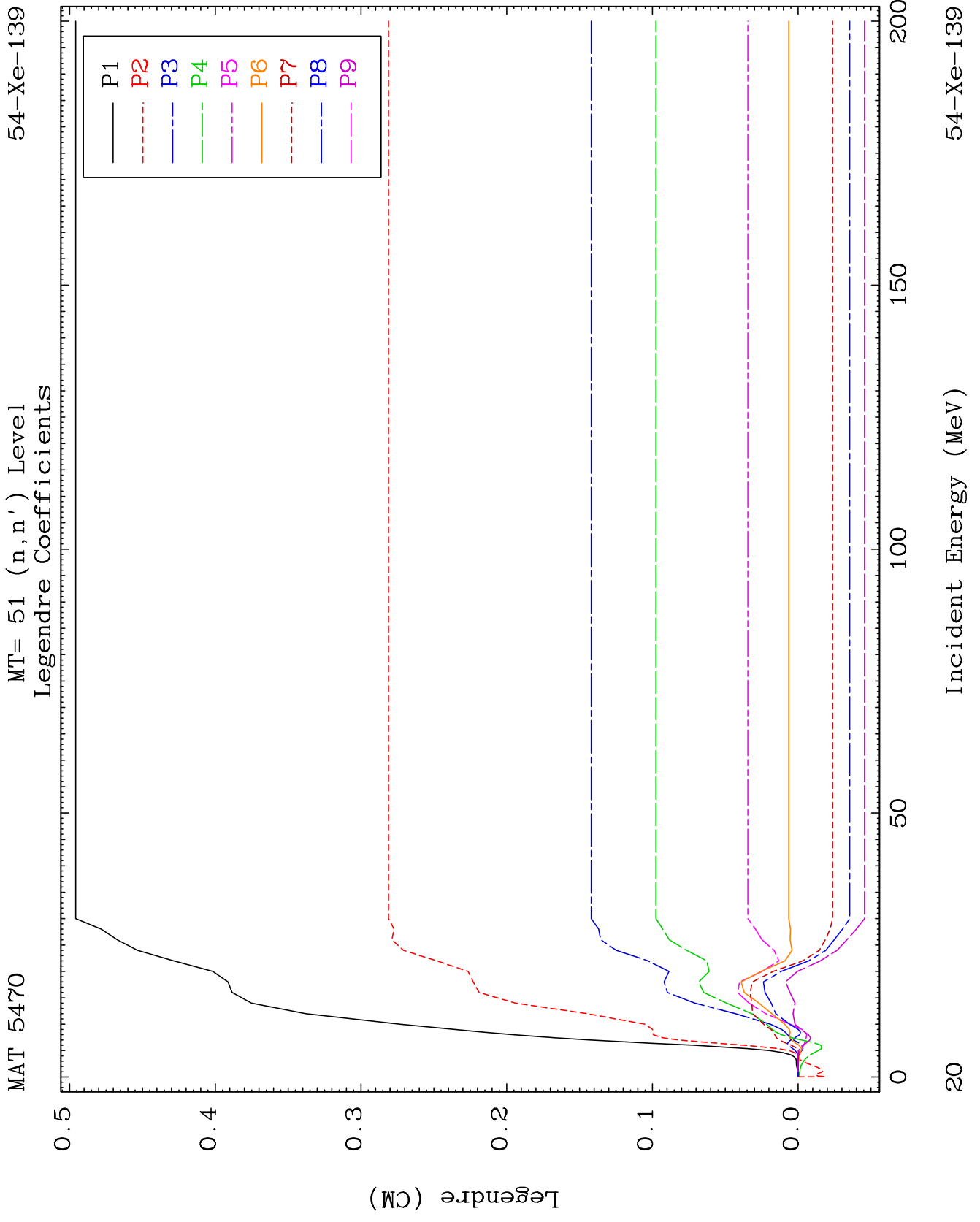
54-Xe-139

MAT 5470

Elastic Legendre Coefficients

54-Xe-139

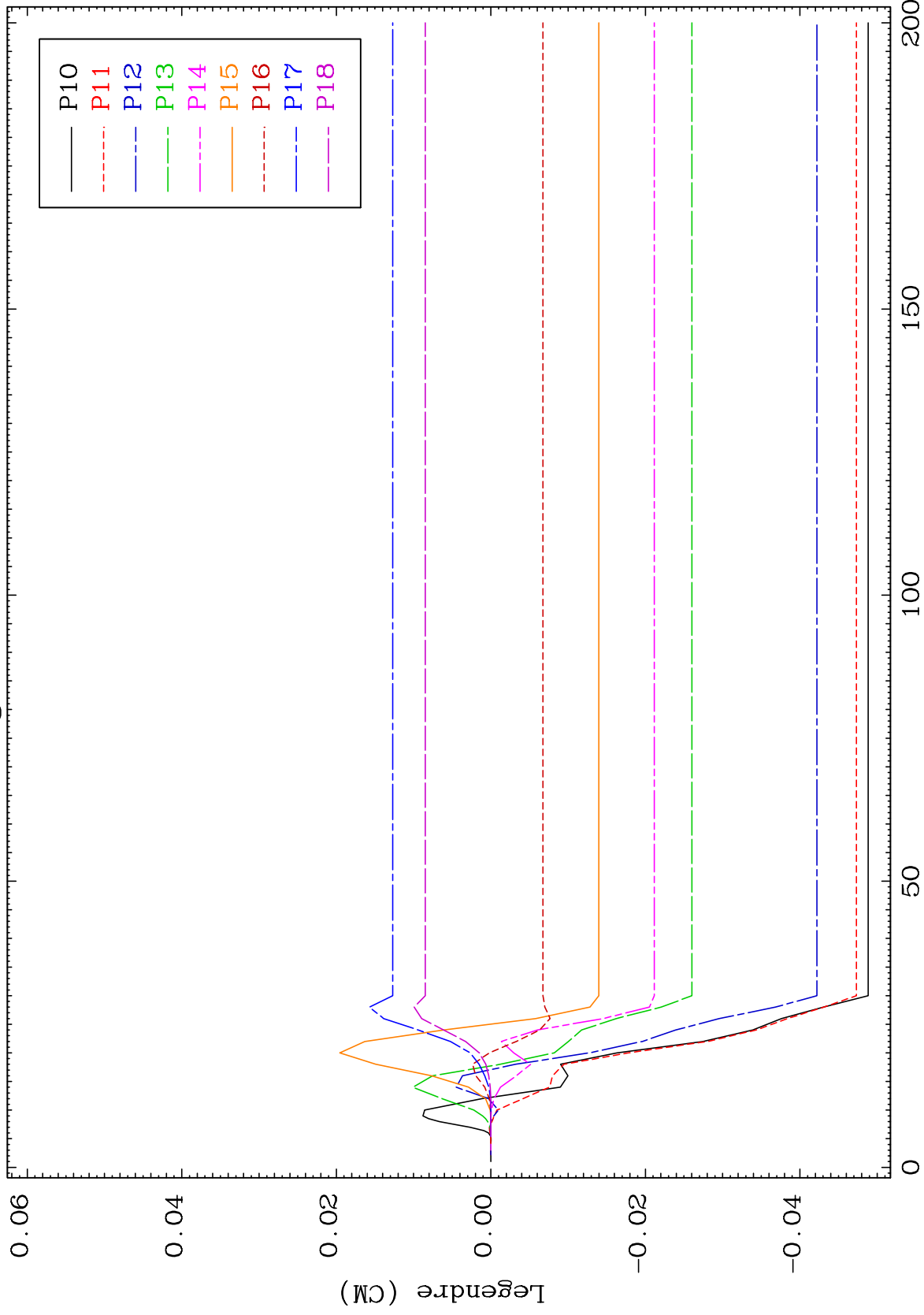




MAT 5470

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

54-Xe-139



21

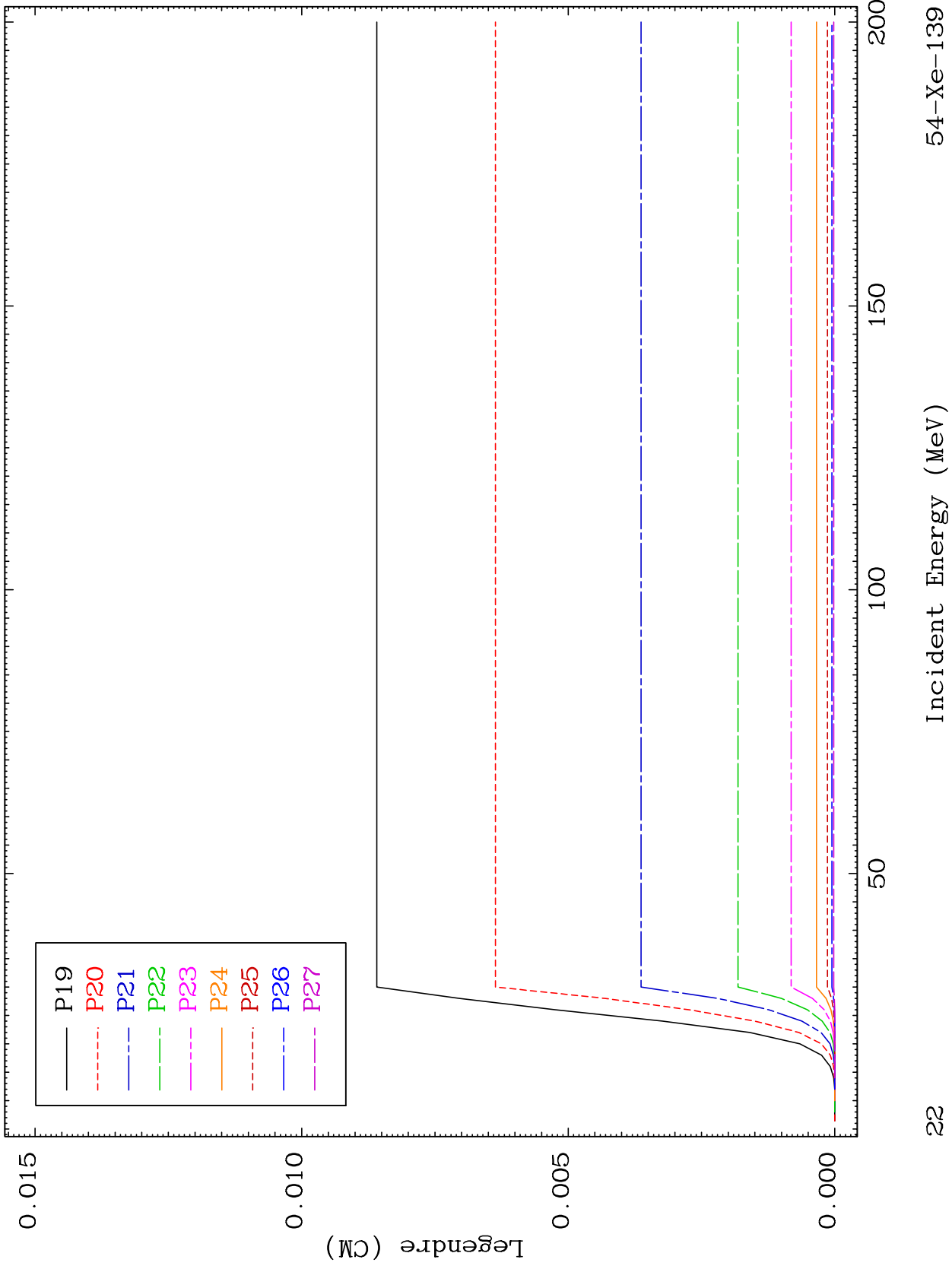
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



22

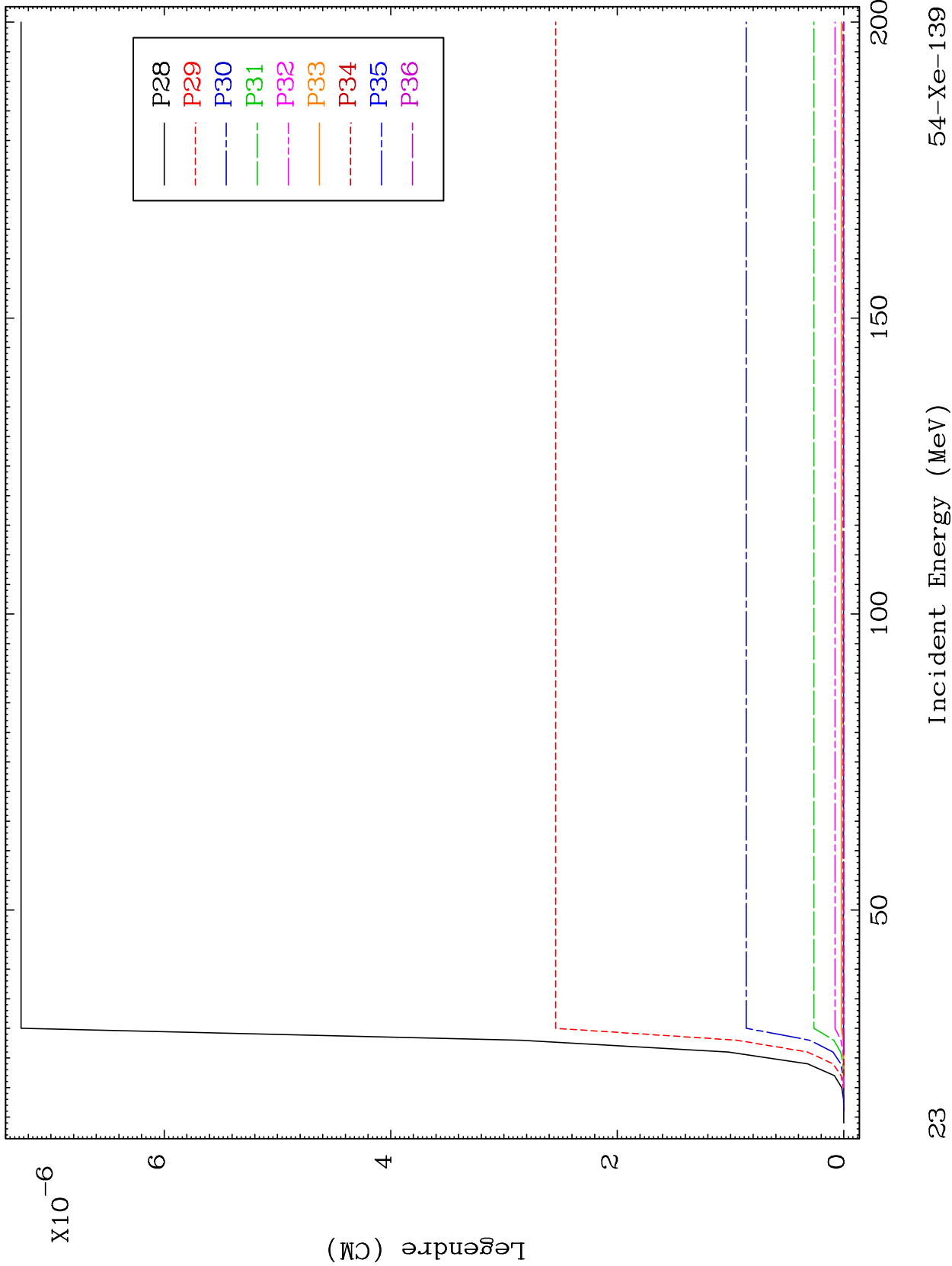
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



23

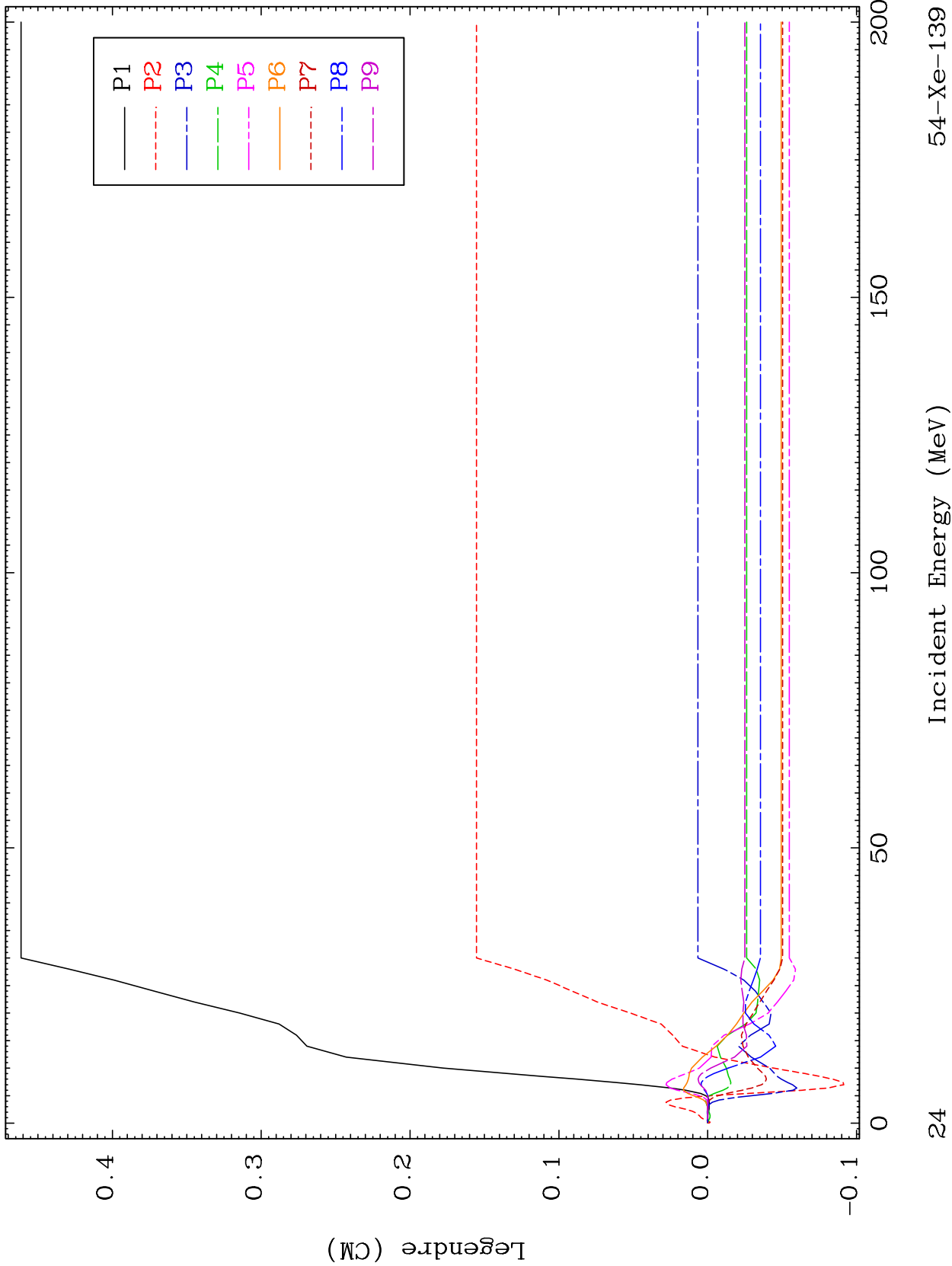
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

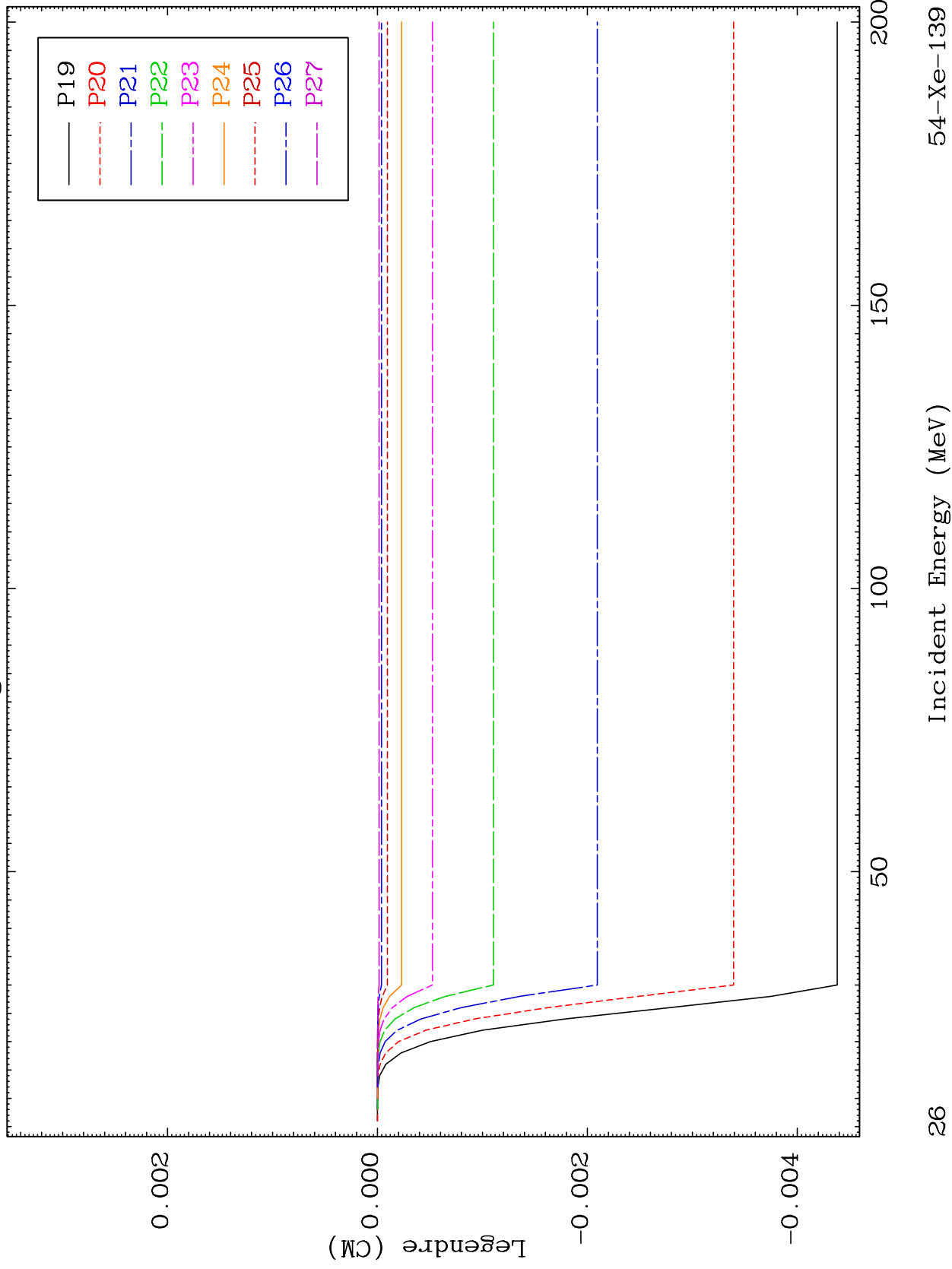
Incident Energy (MeV)

24

MAT 5470

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

54-Xe-139



26

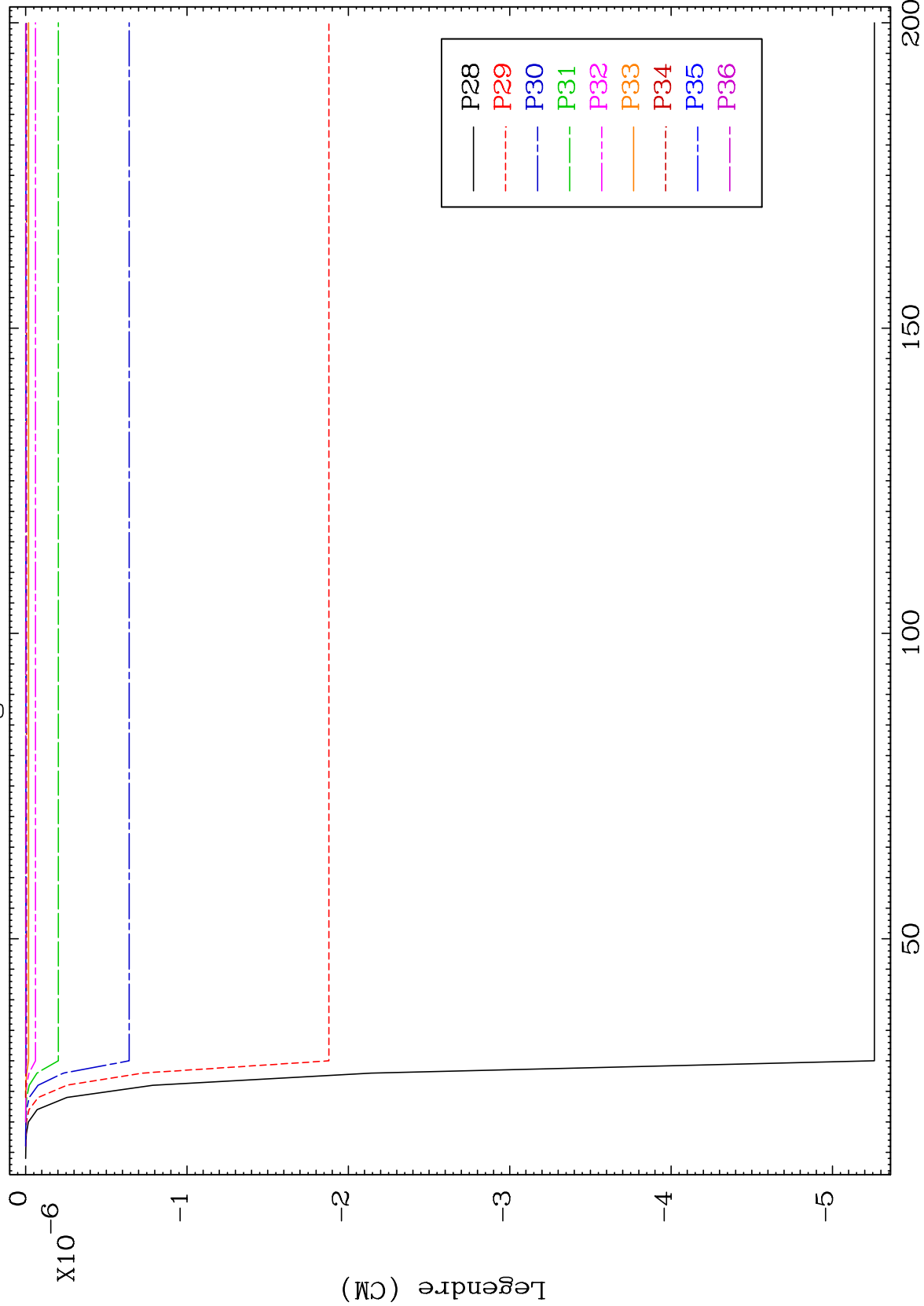
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

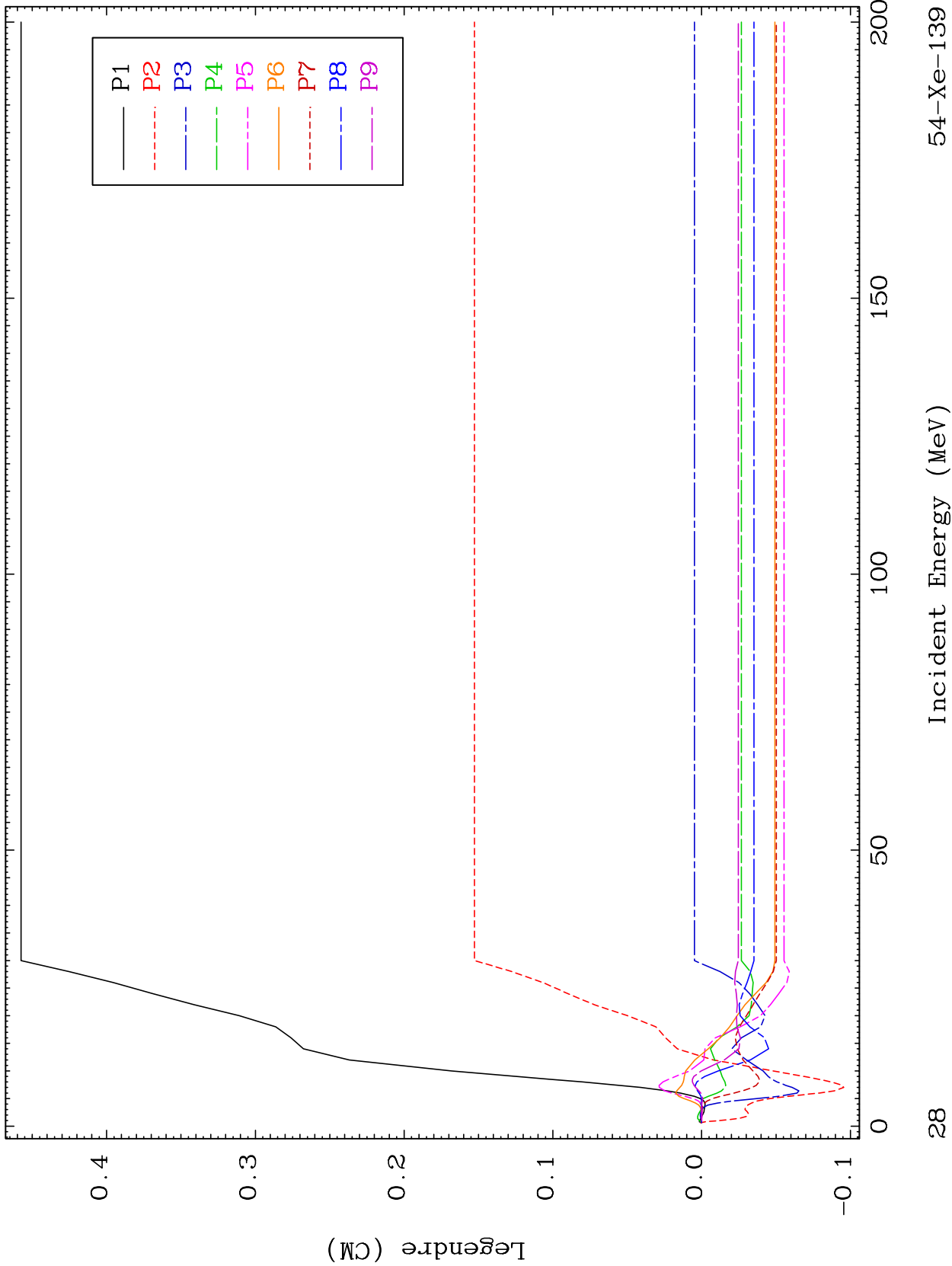
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

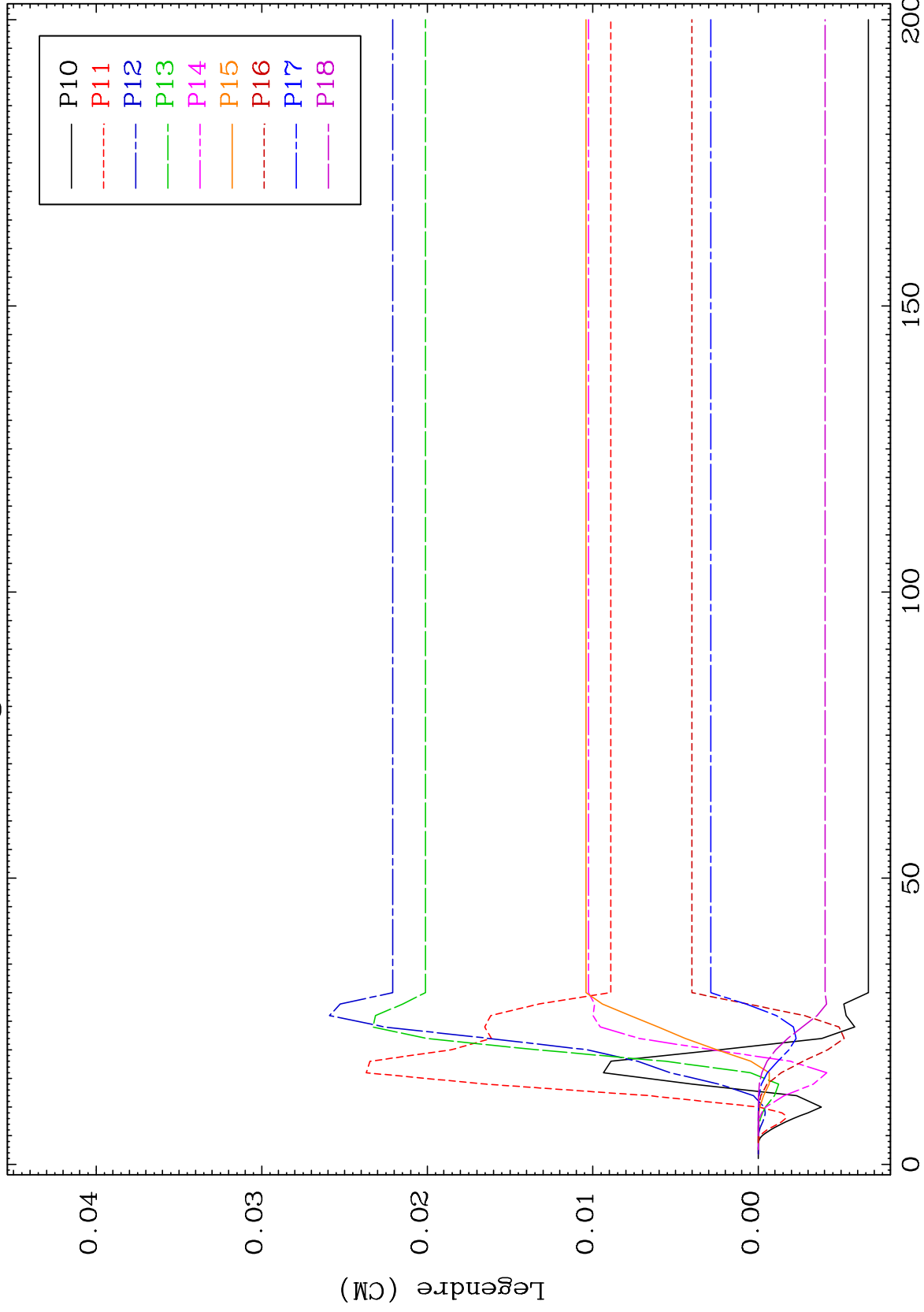
Incident Energy (MeV)

28

MAT 5470

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

54-Xe-139



29

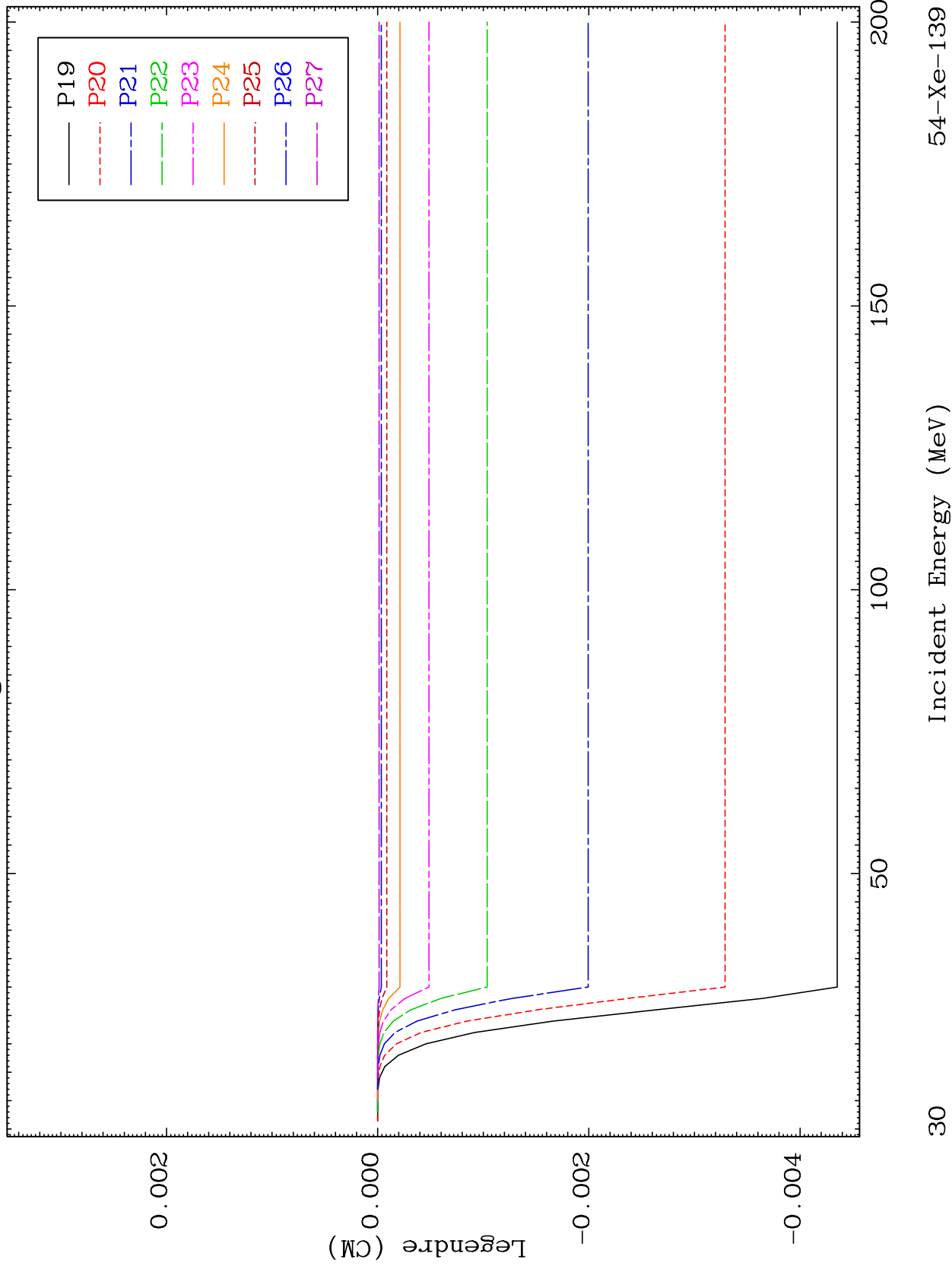
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



30

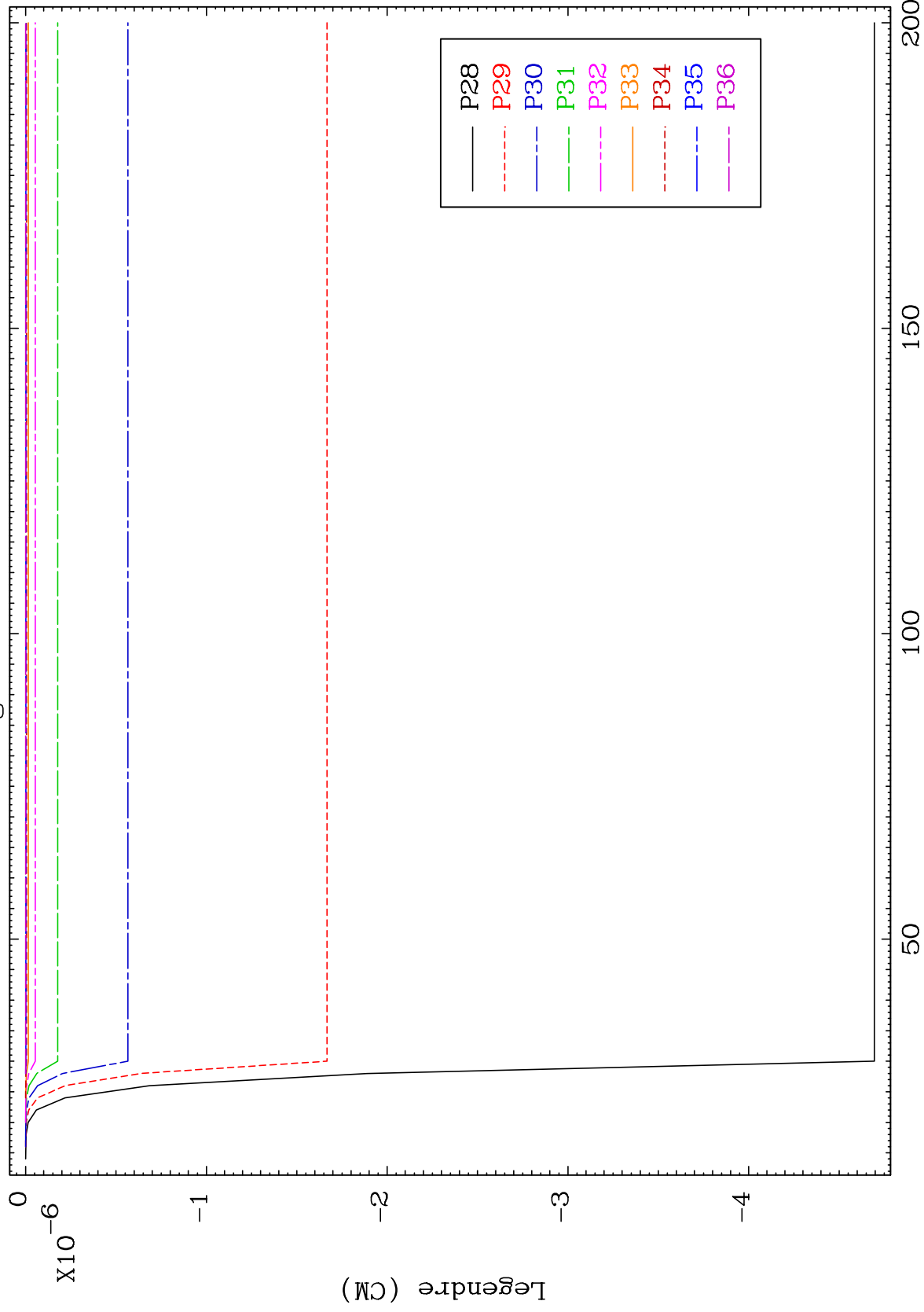
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



31

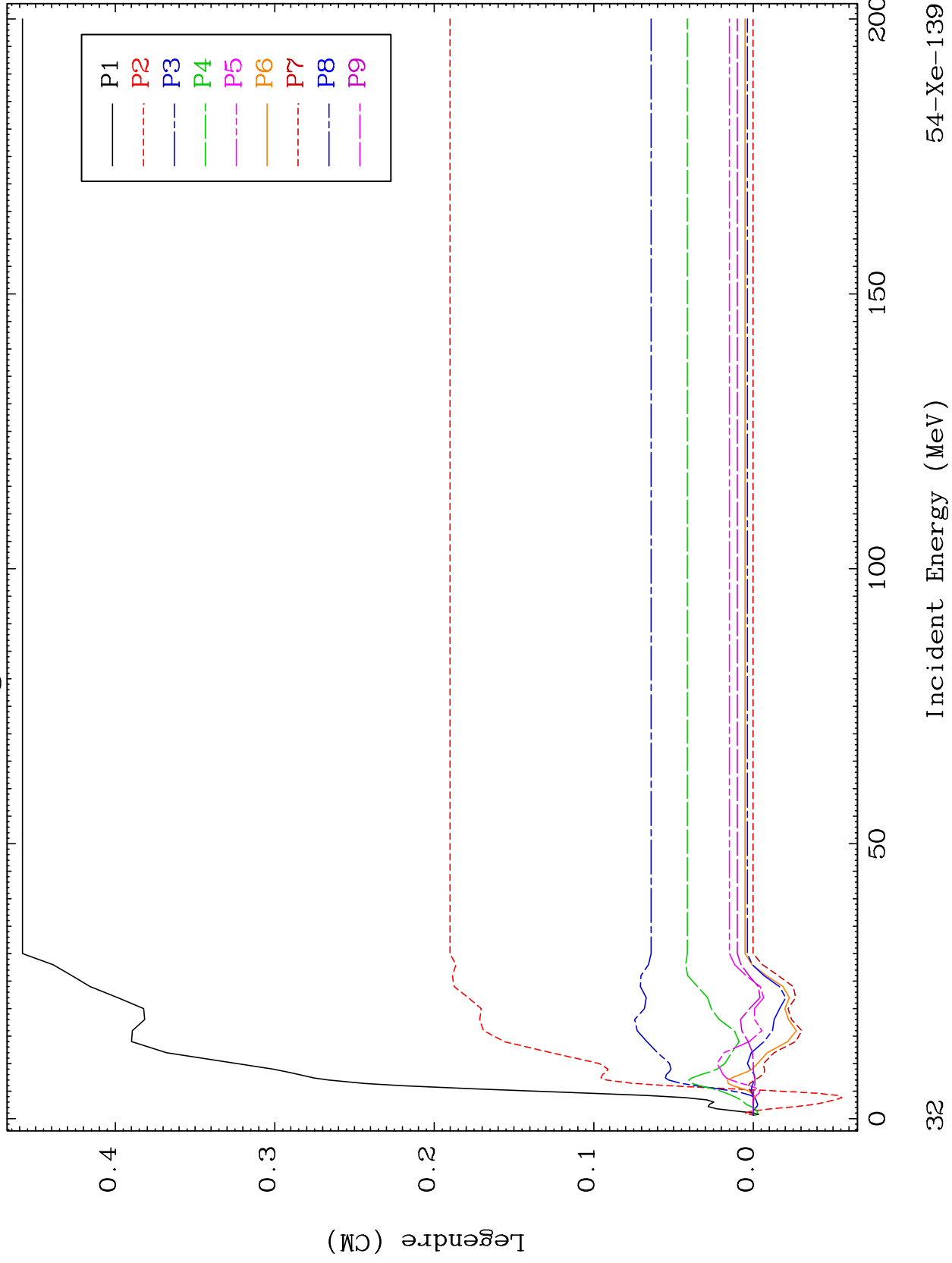
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

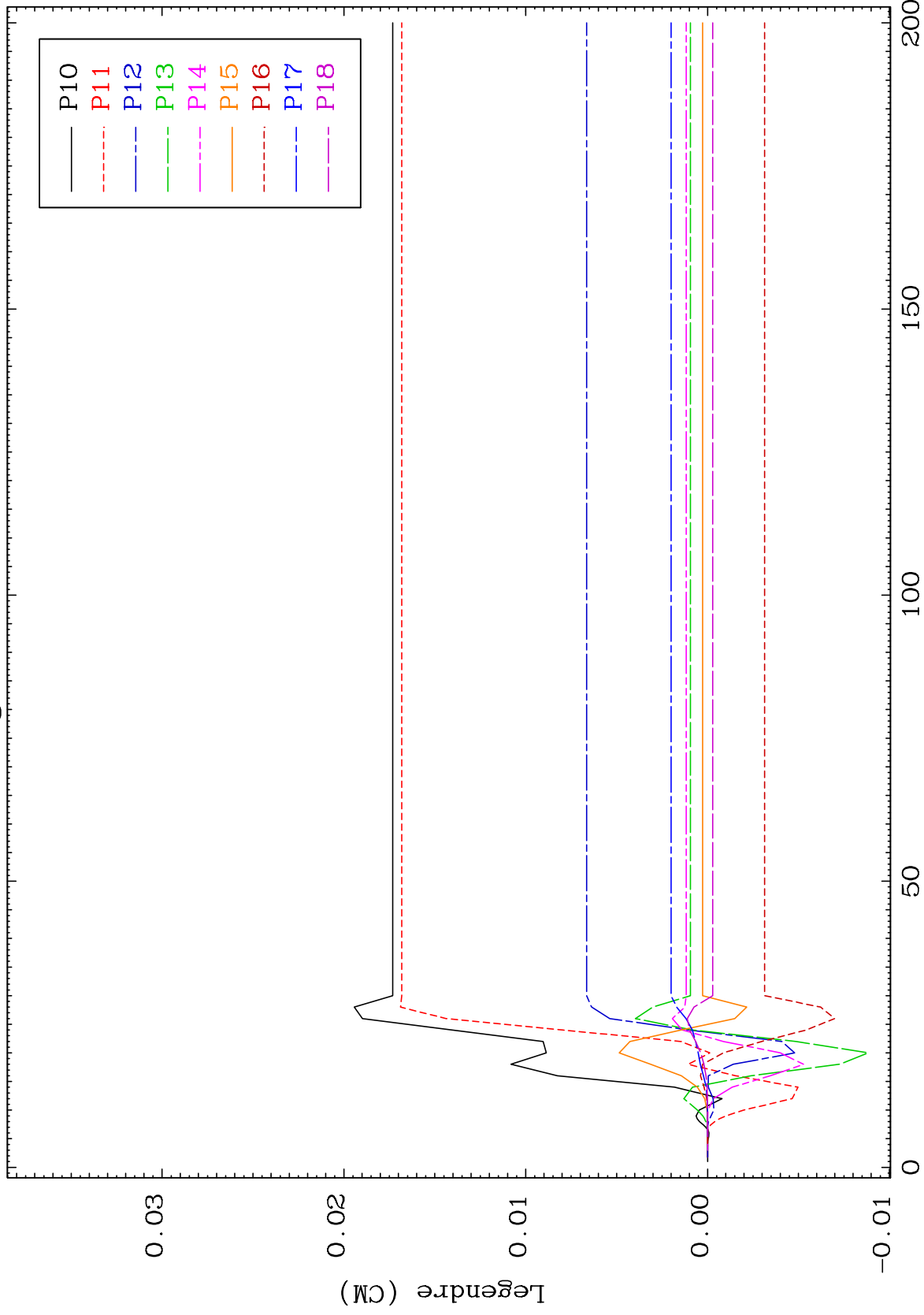
Incident Energy (MeV)

32

MAT 5470

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

54-Xe-139



33

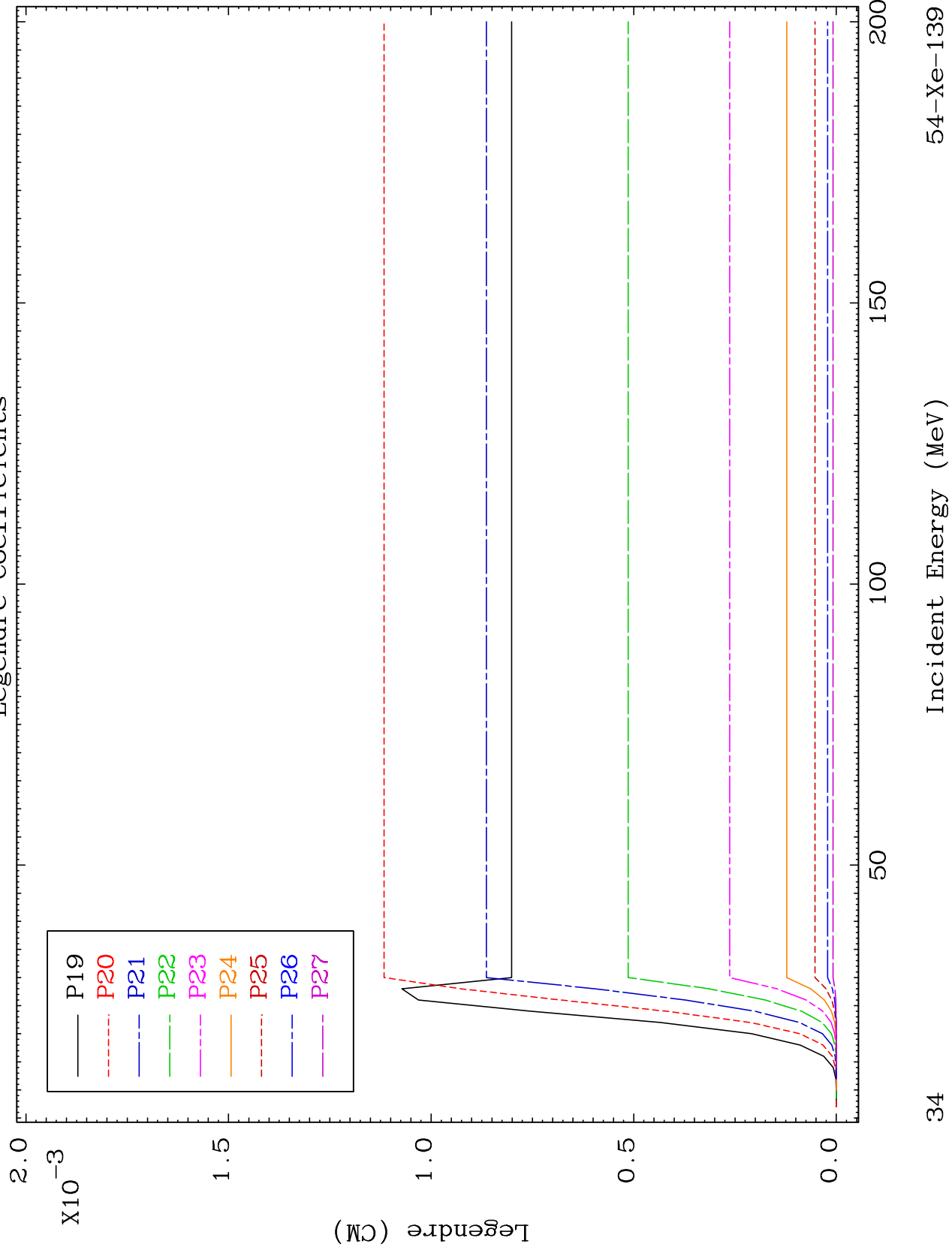
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



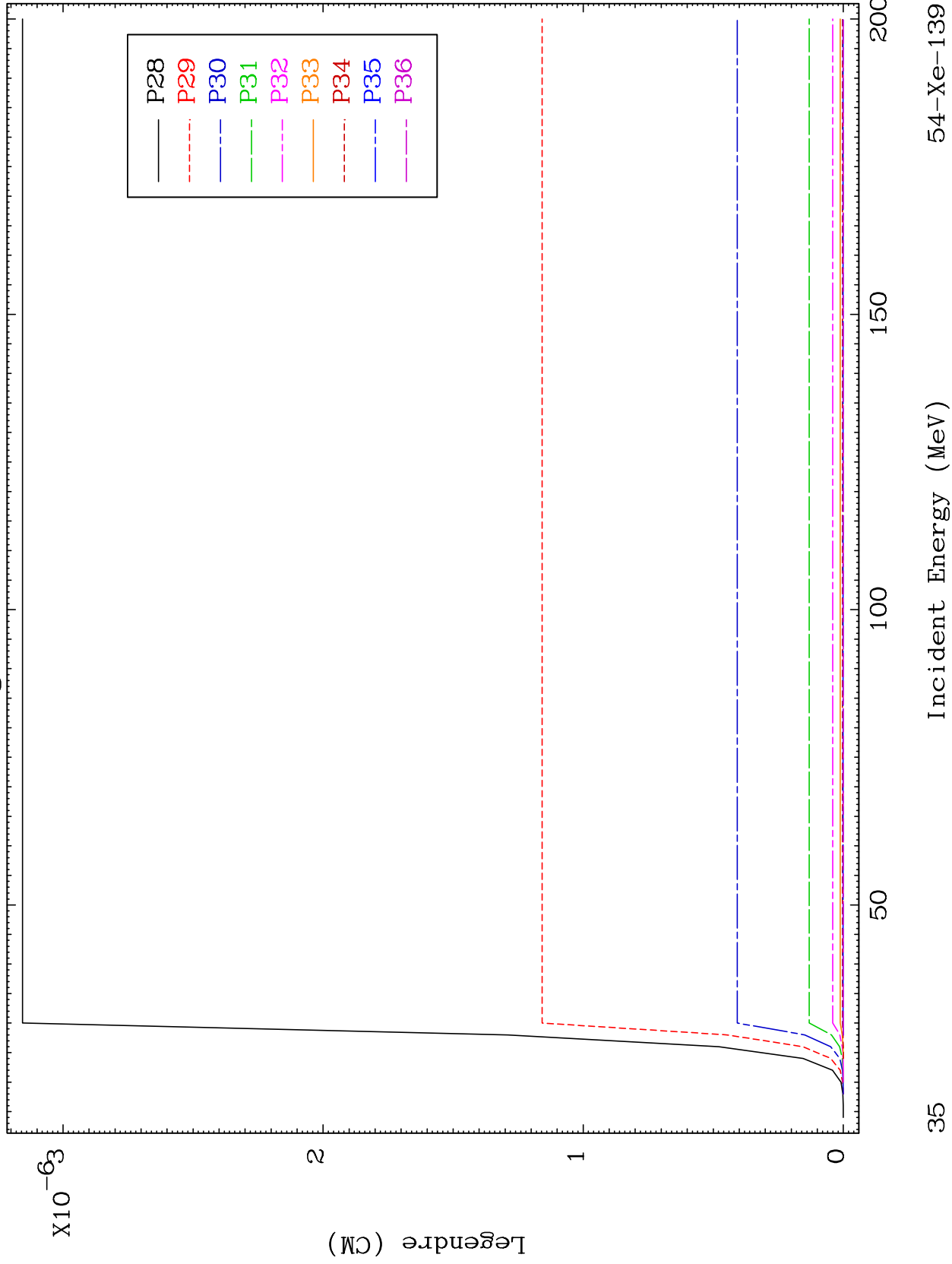
34

200

MAT 5470

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

54-Xe-139



35

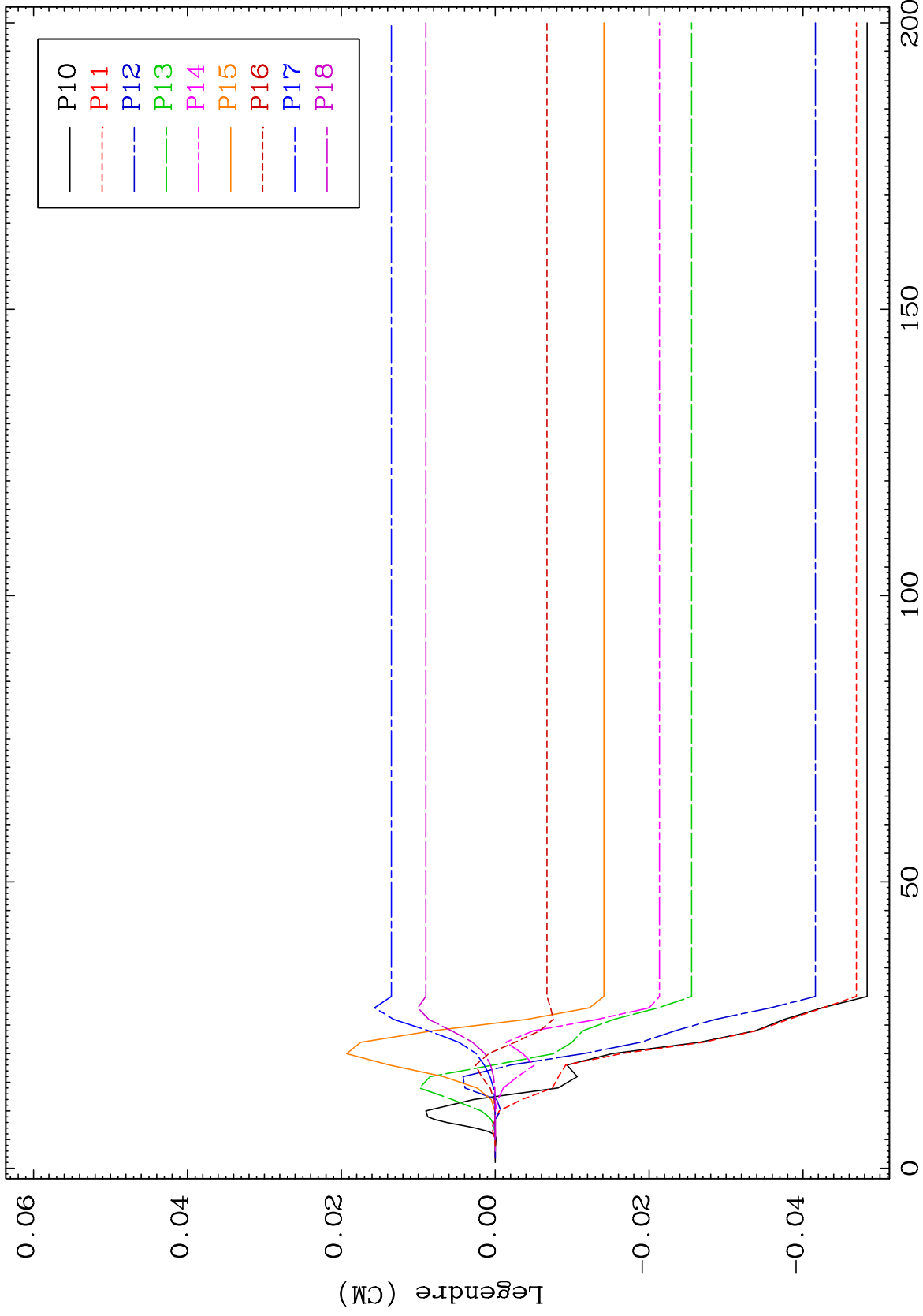
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



37

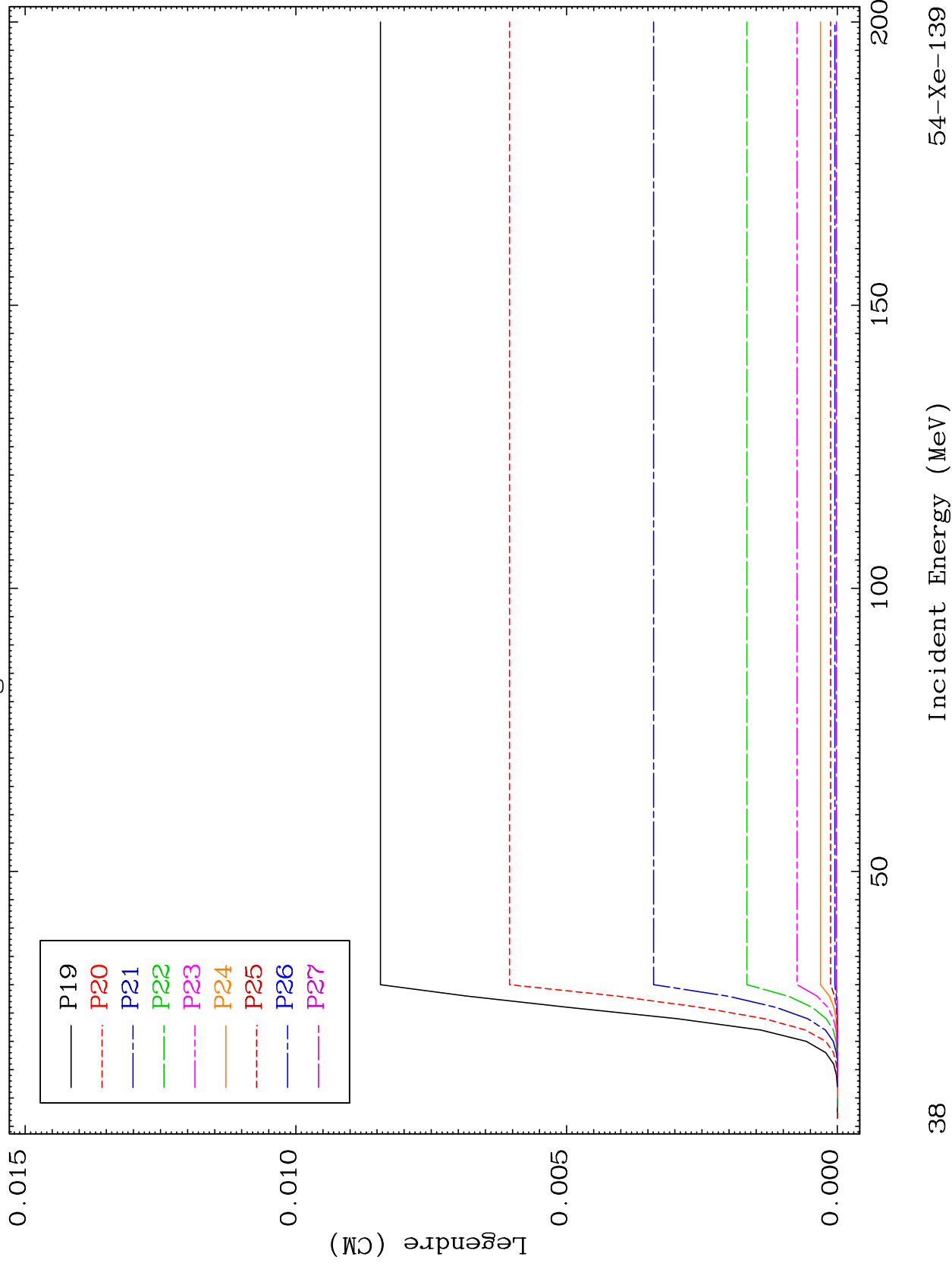
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



38

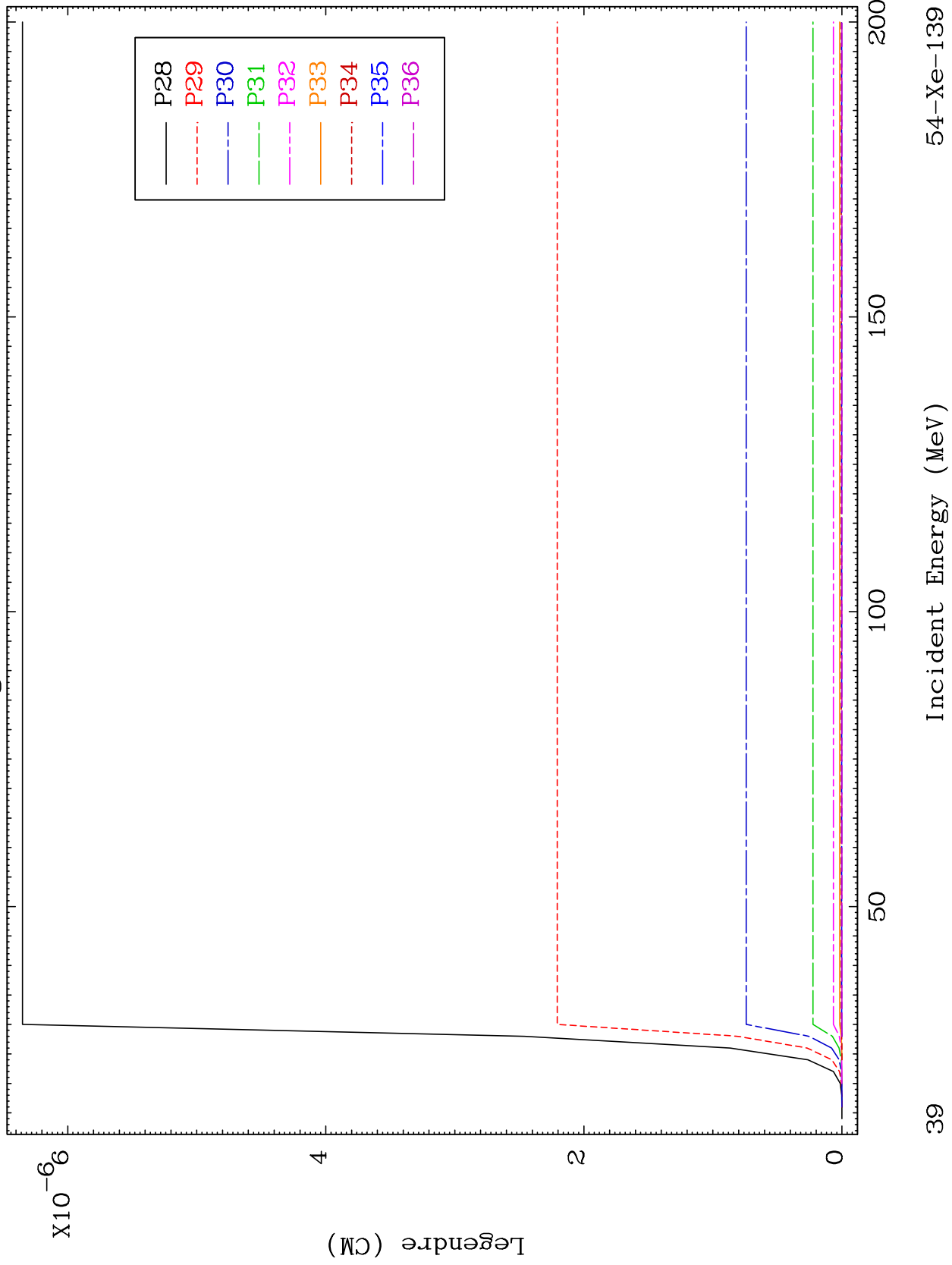
Incident Energy (MeV)

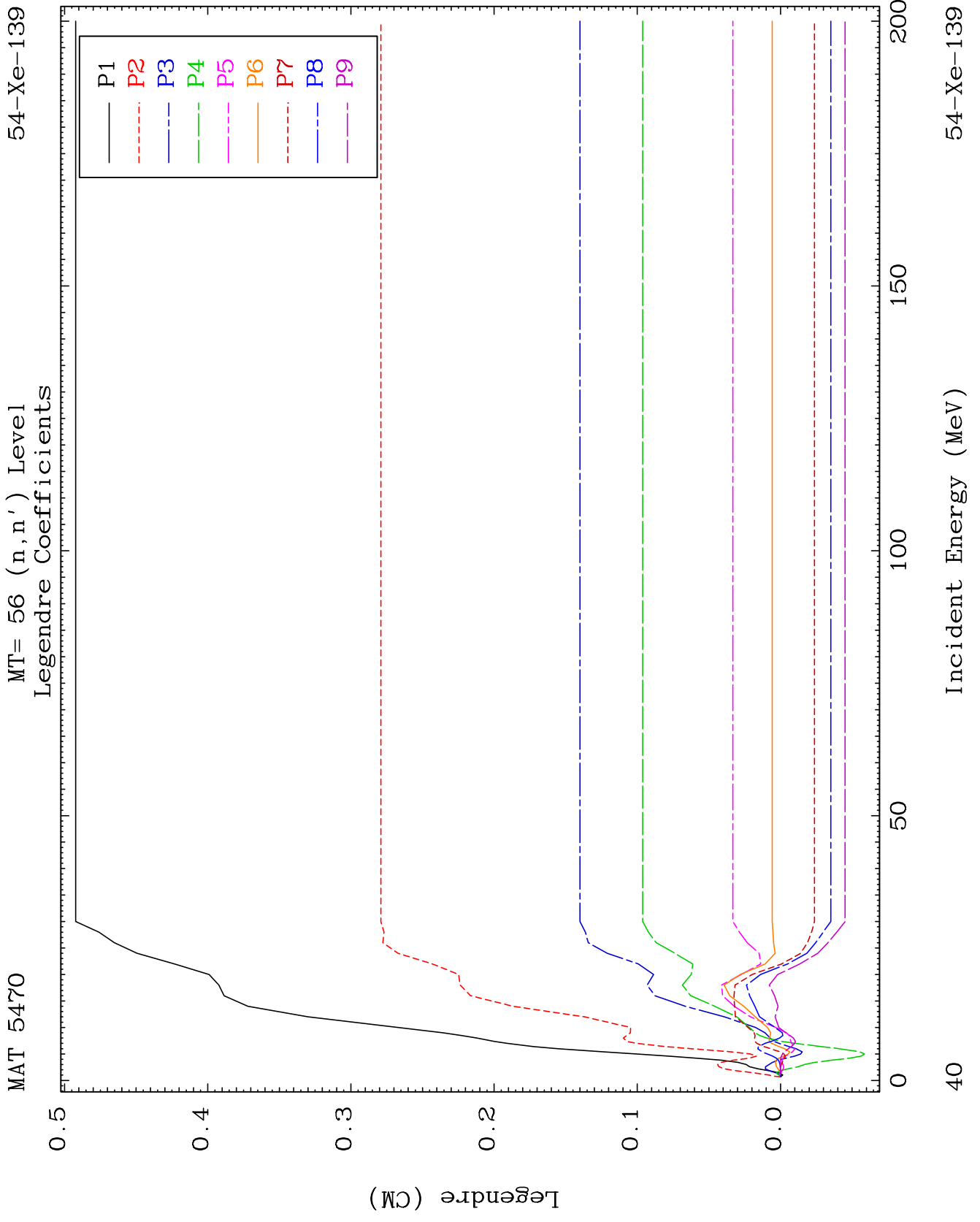
54-Xe-139

MAT 5470

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

54-Xe-139

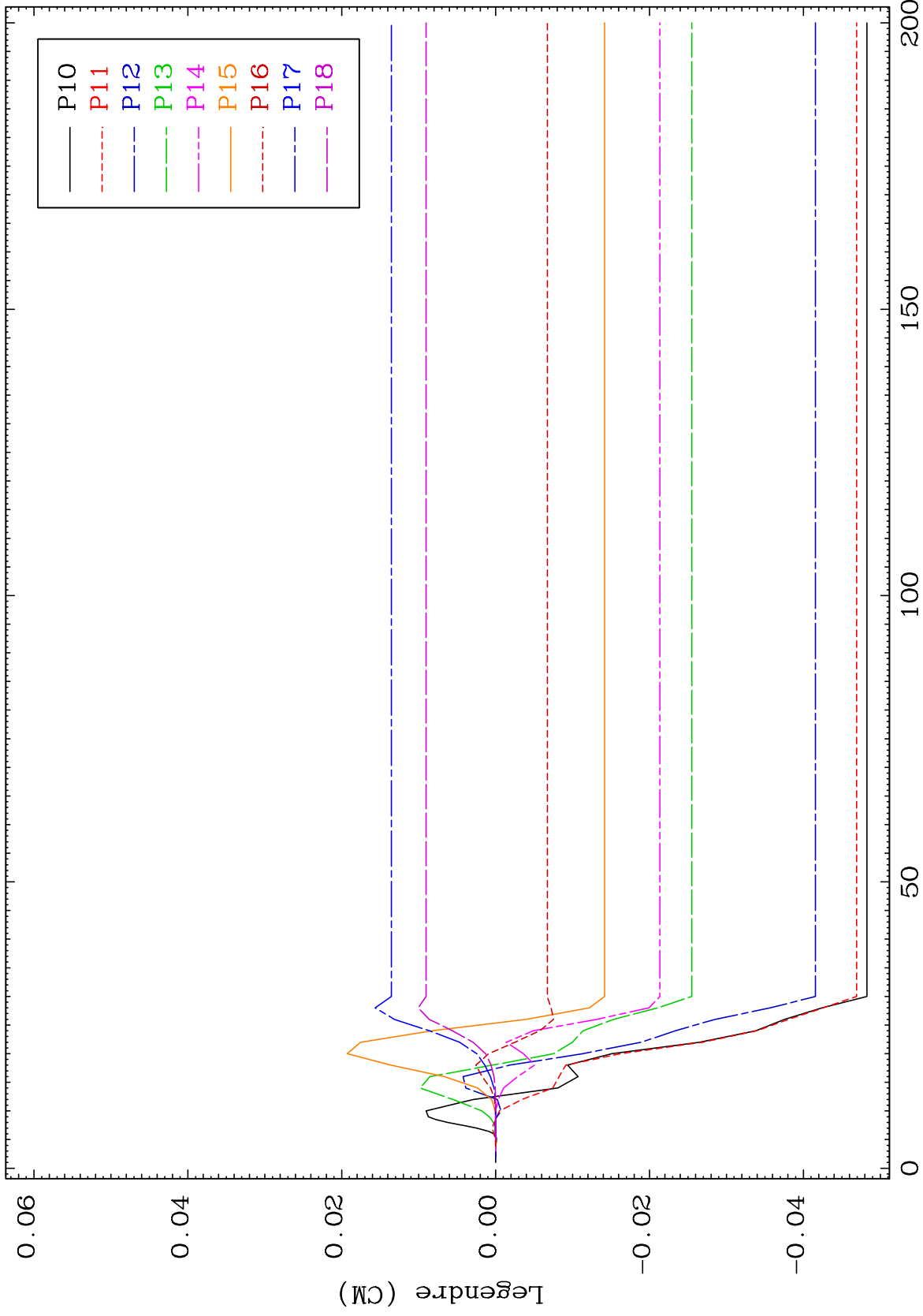




MAT 5470

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

54-Xe-139



41

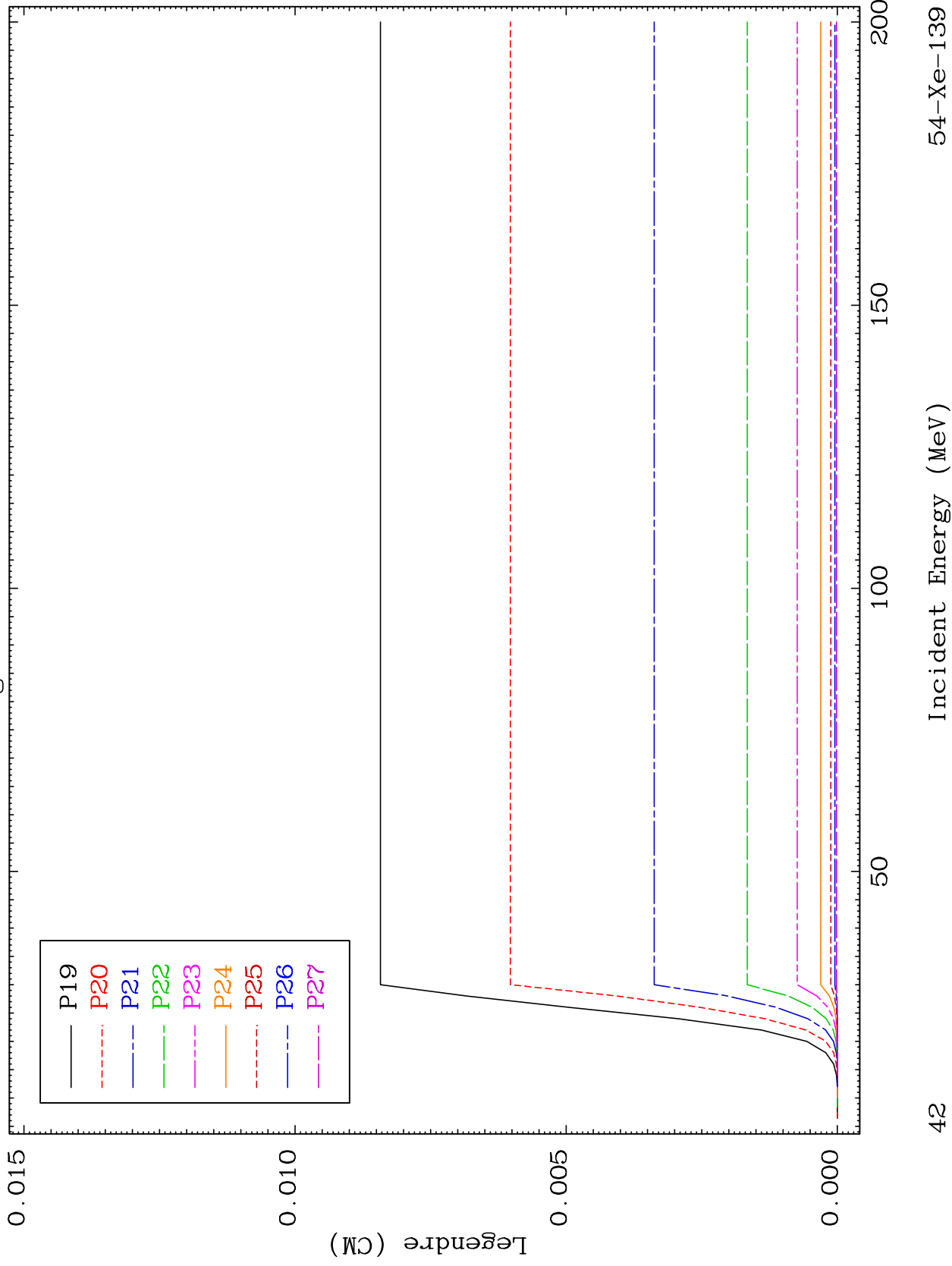
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



42

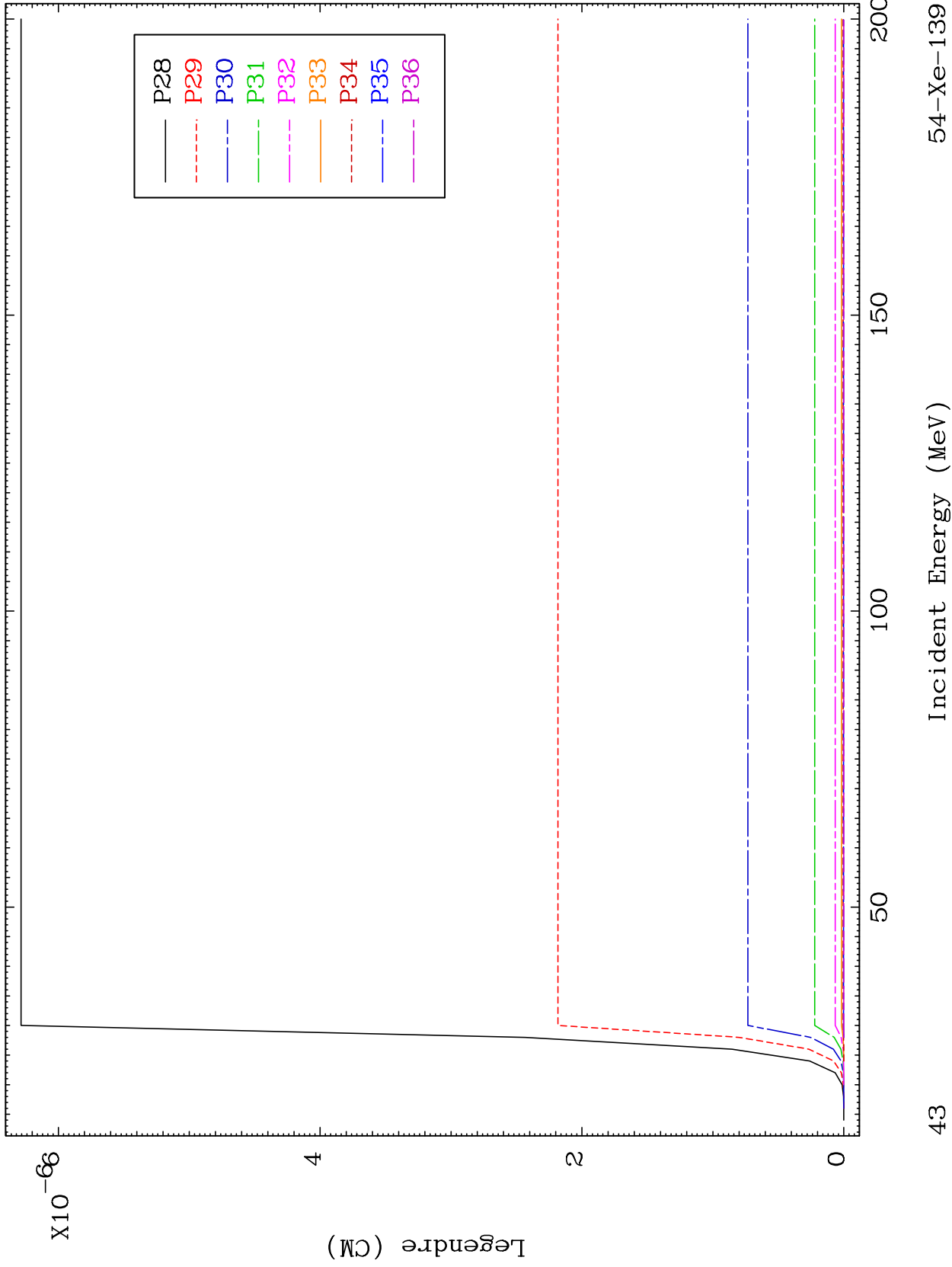
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

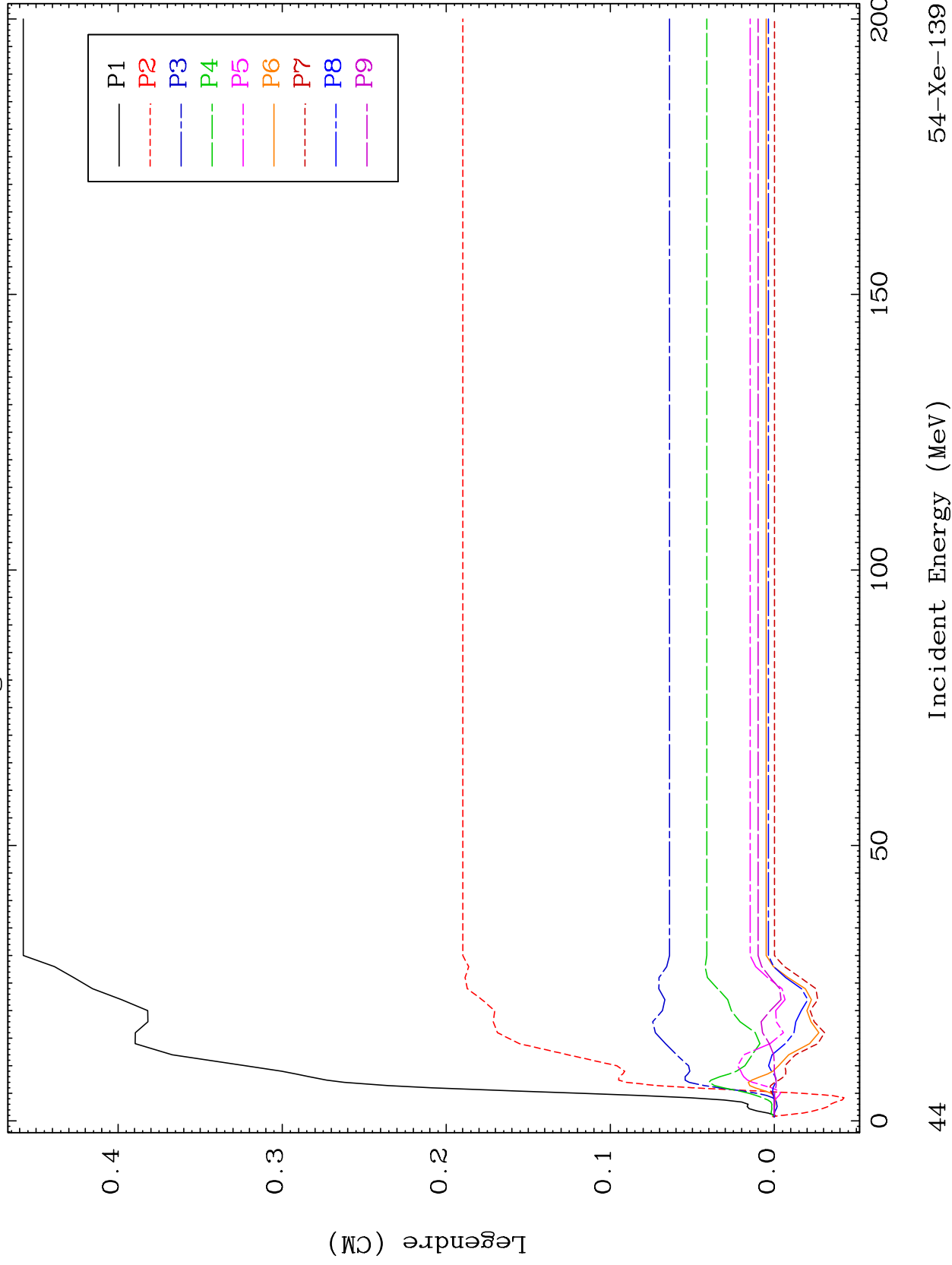
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

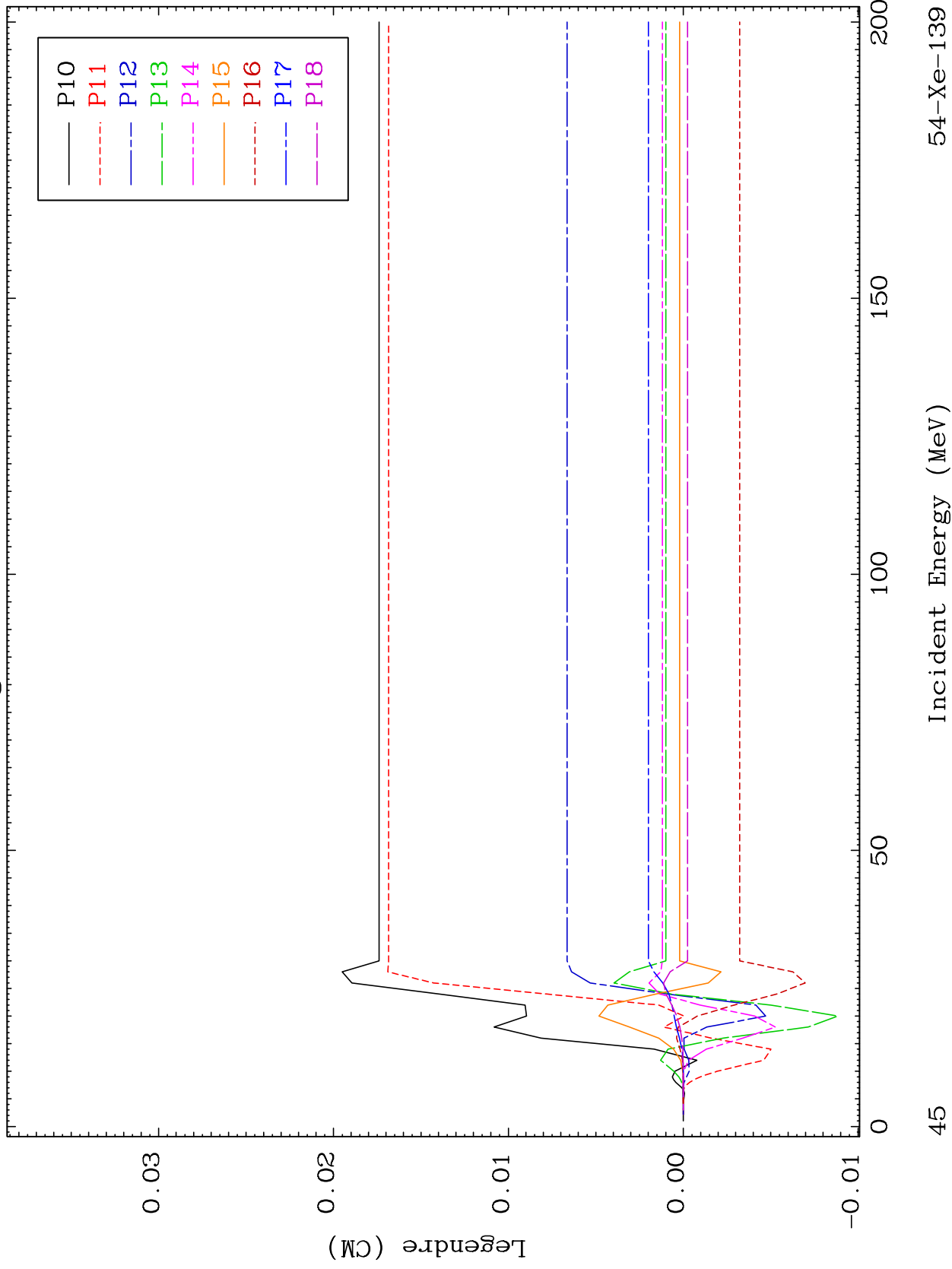
Incident Energy (MeV)

44

MAT 5470

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

54-Xe-139



54-Xe-139

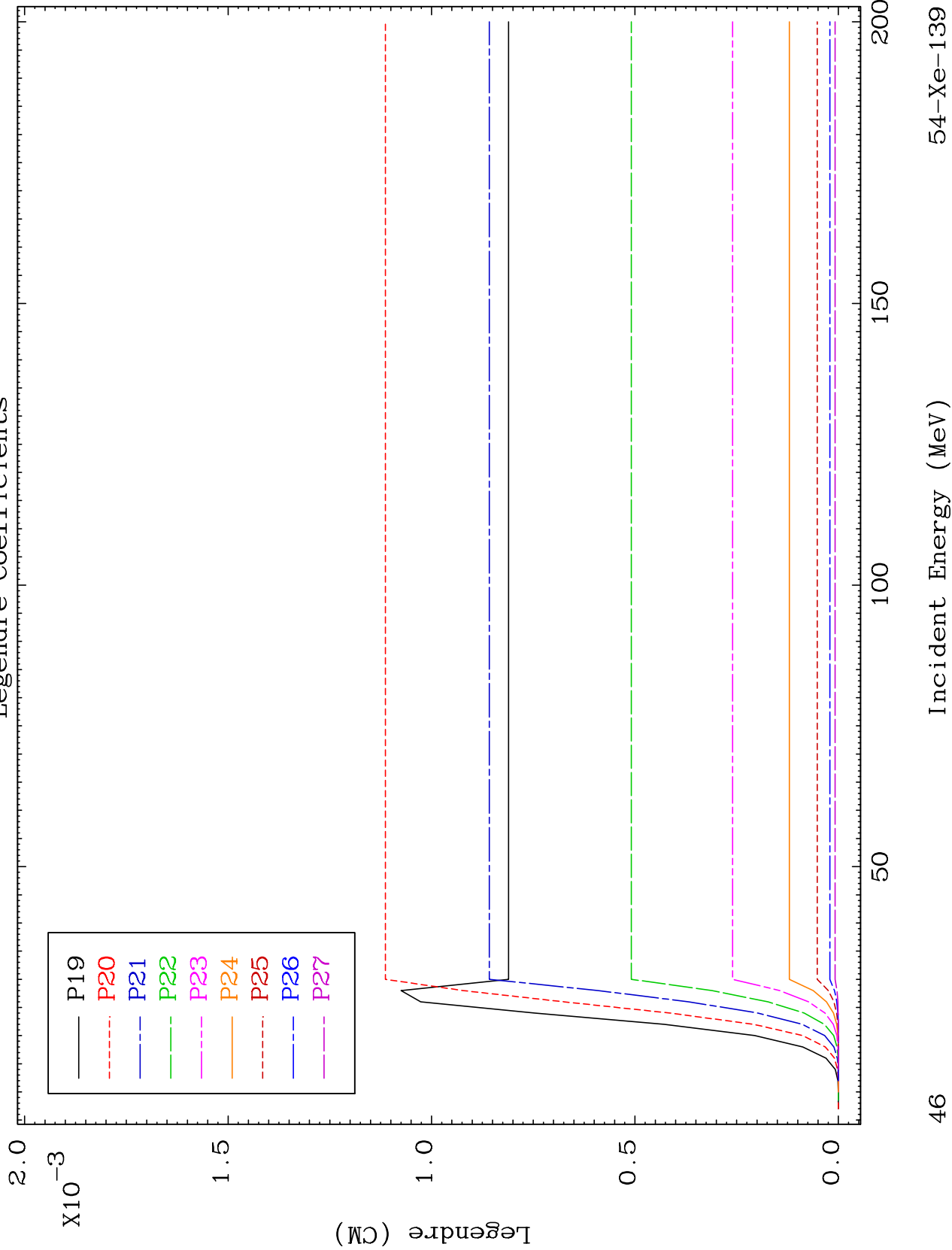
Incident Energy (MeV)

45

MAT 5470

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

54-Xe-139



46

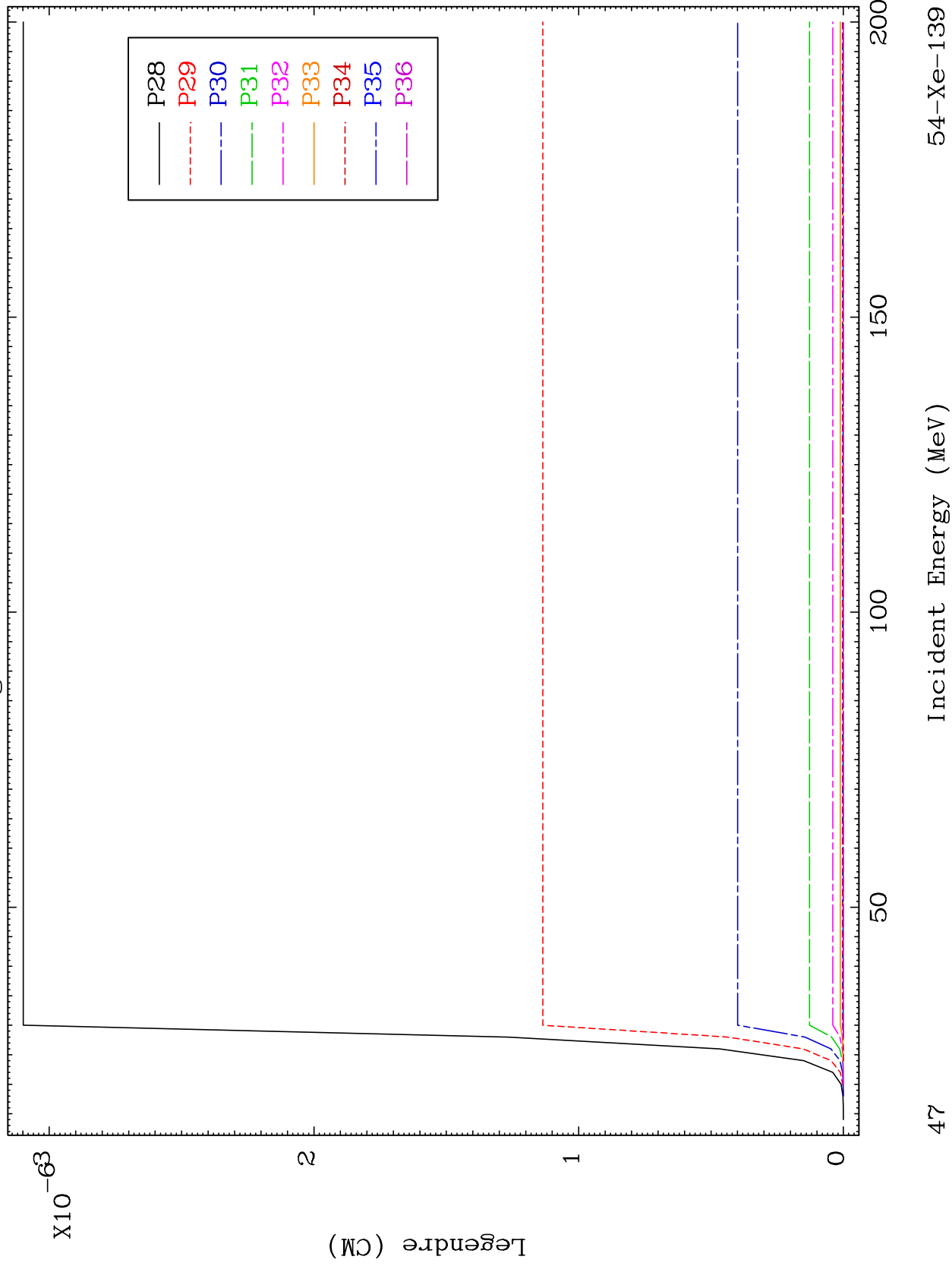
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



47

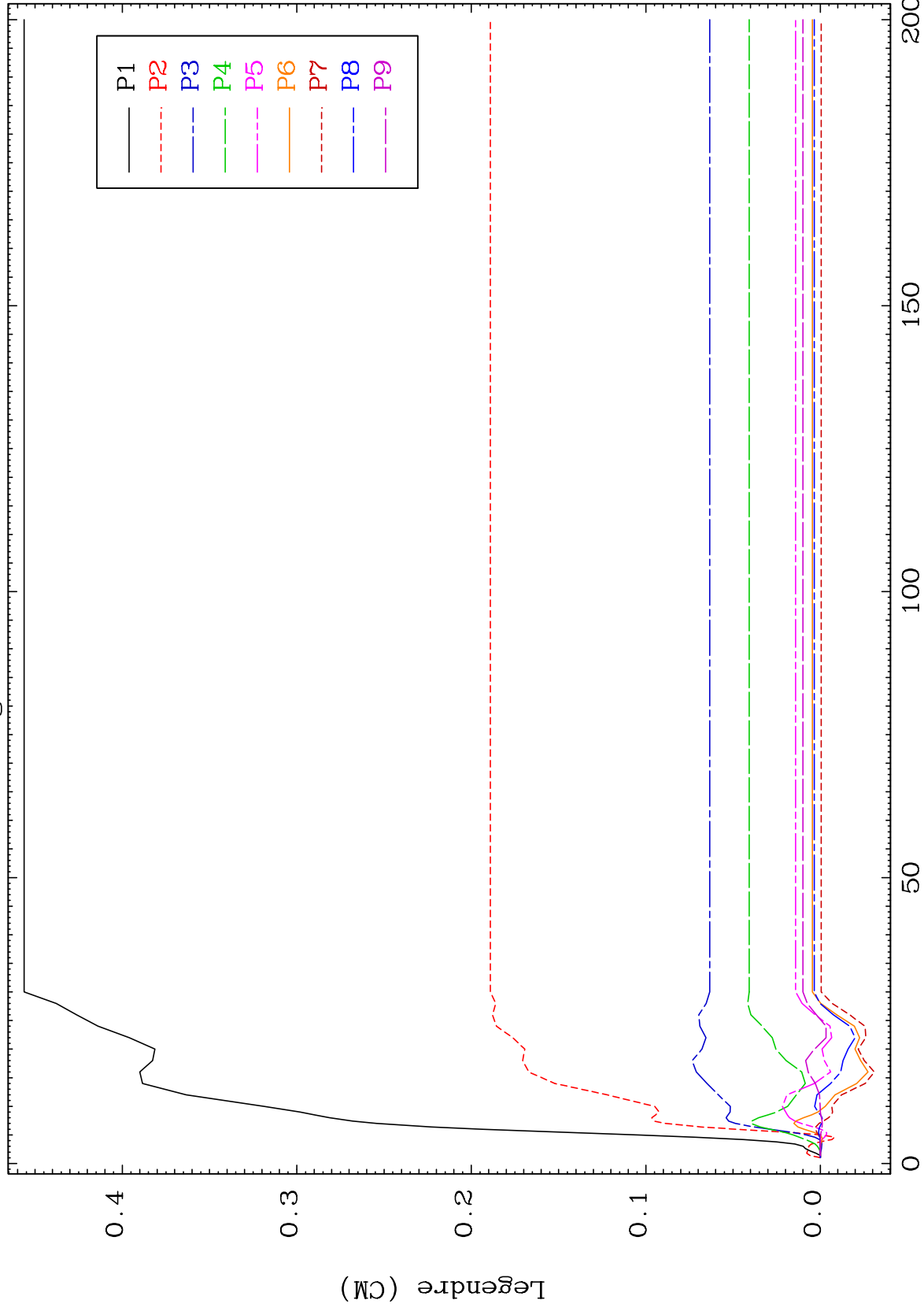
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



48

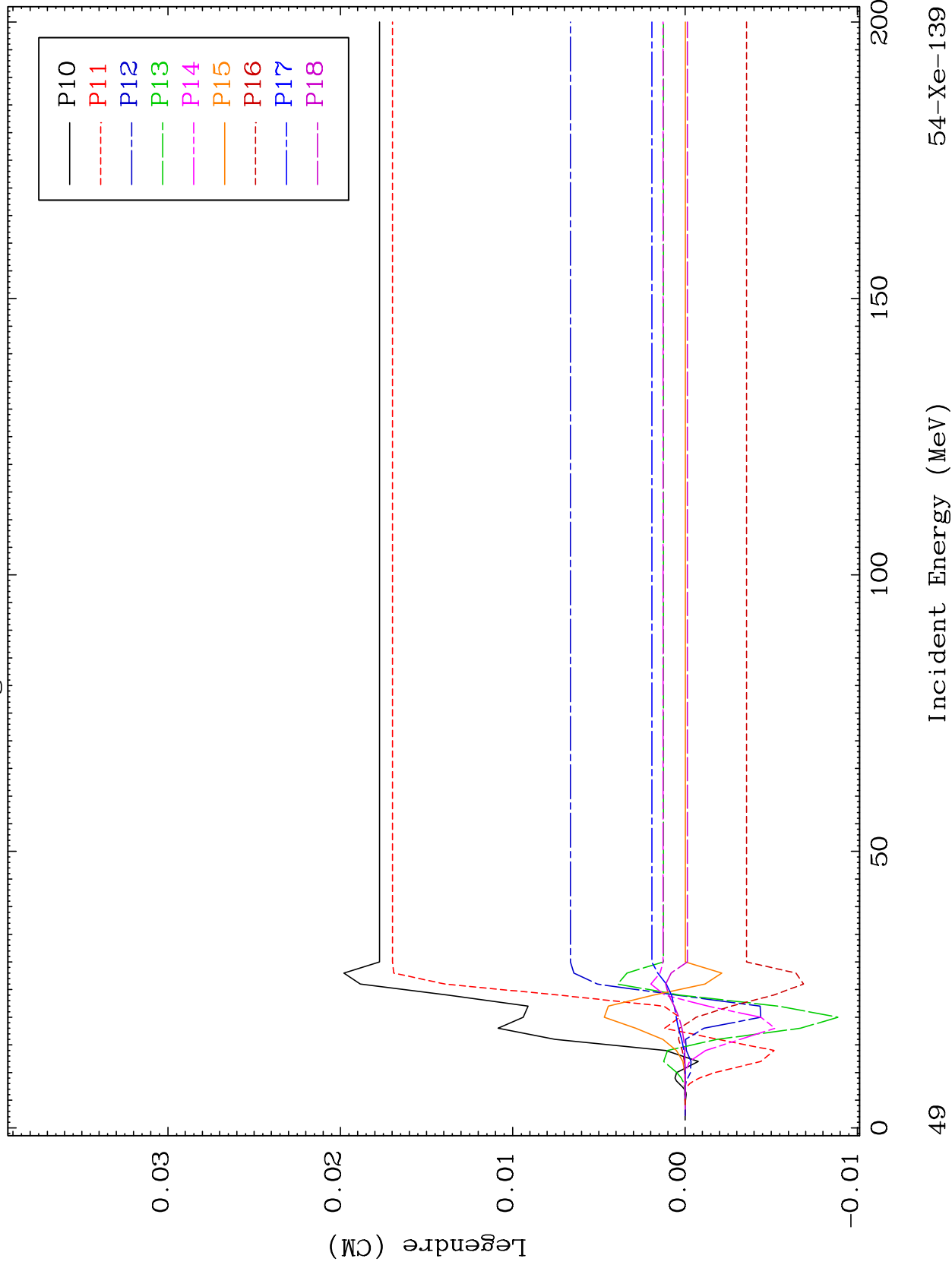
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



49

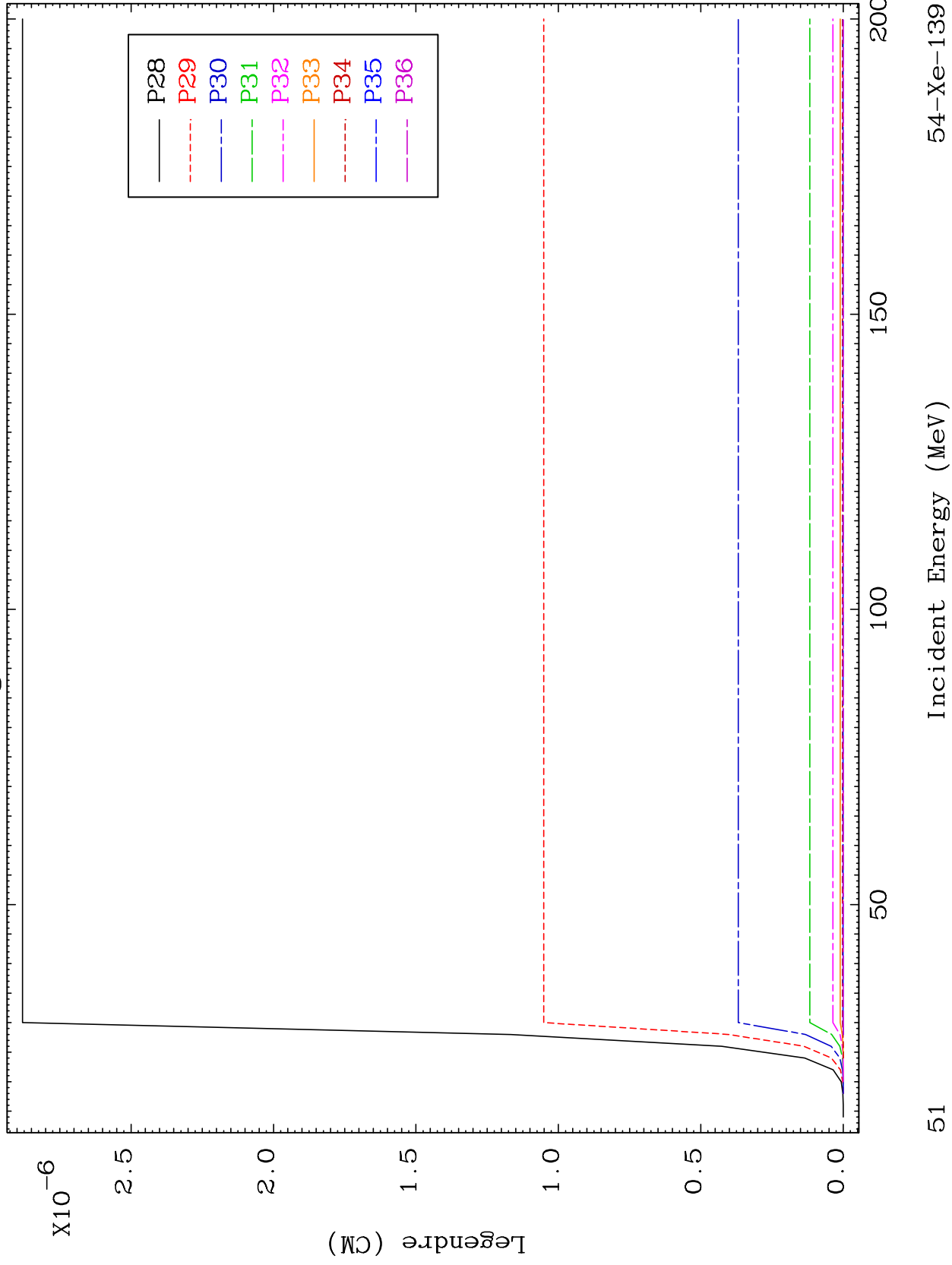
Incident Energy (MeV)

54-Xe-139

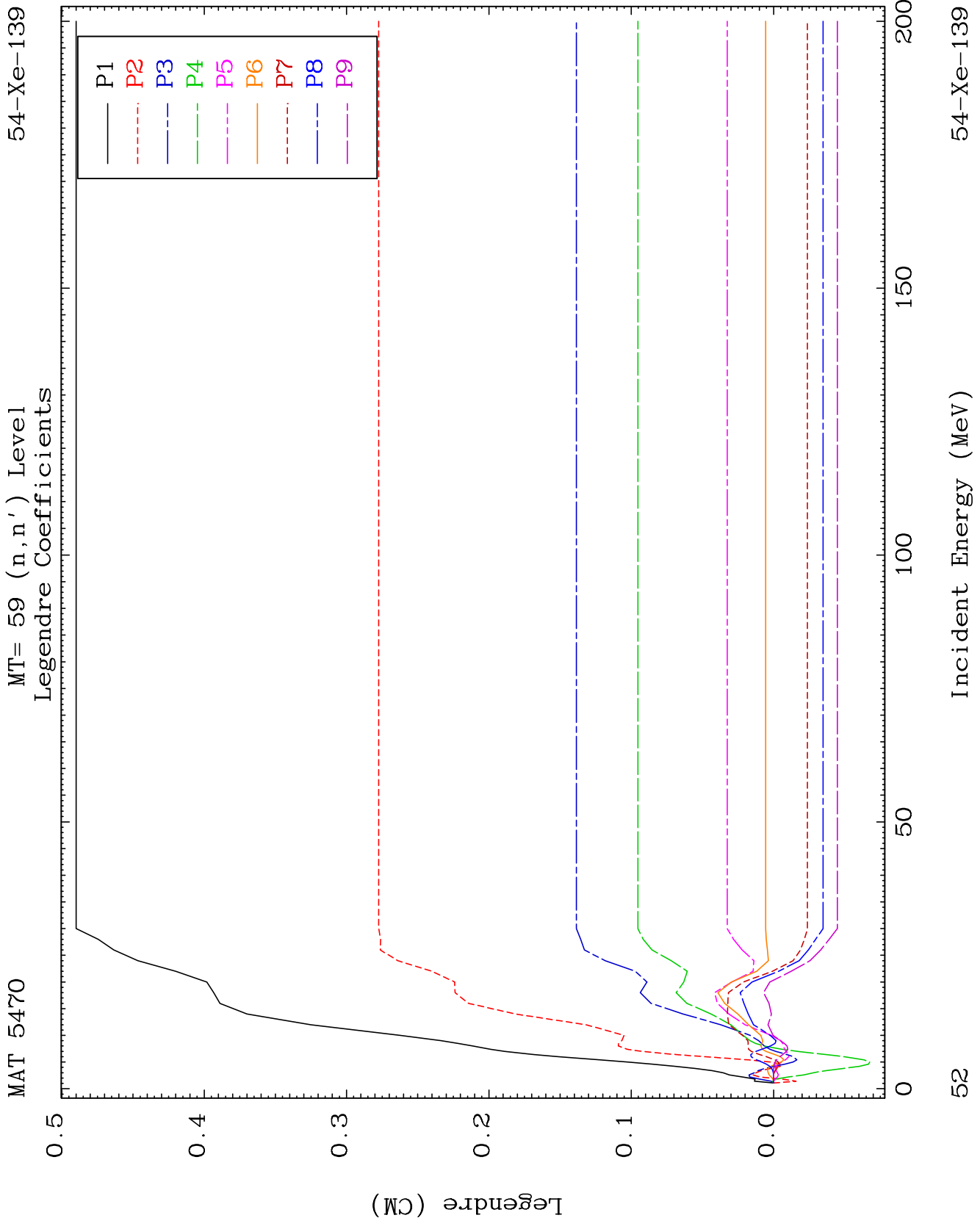
MAT 5470

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

54-Xe-139



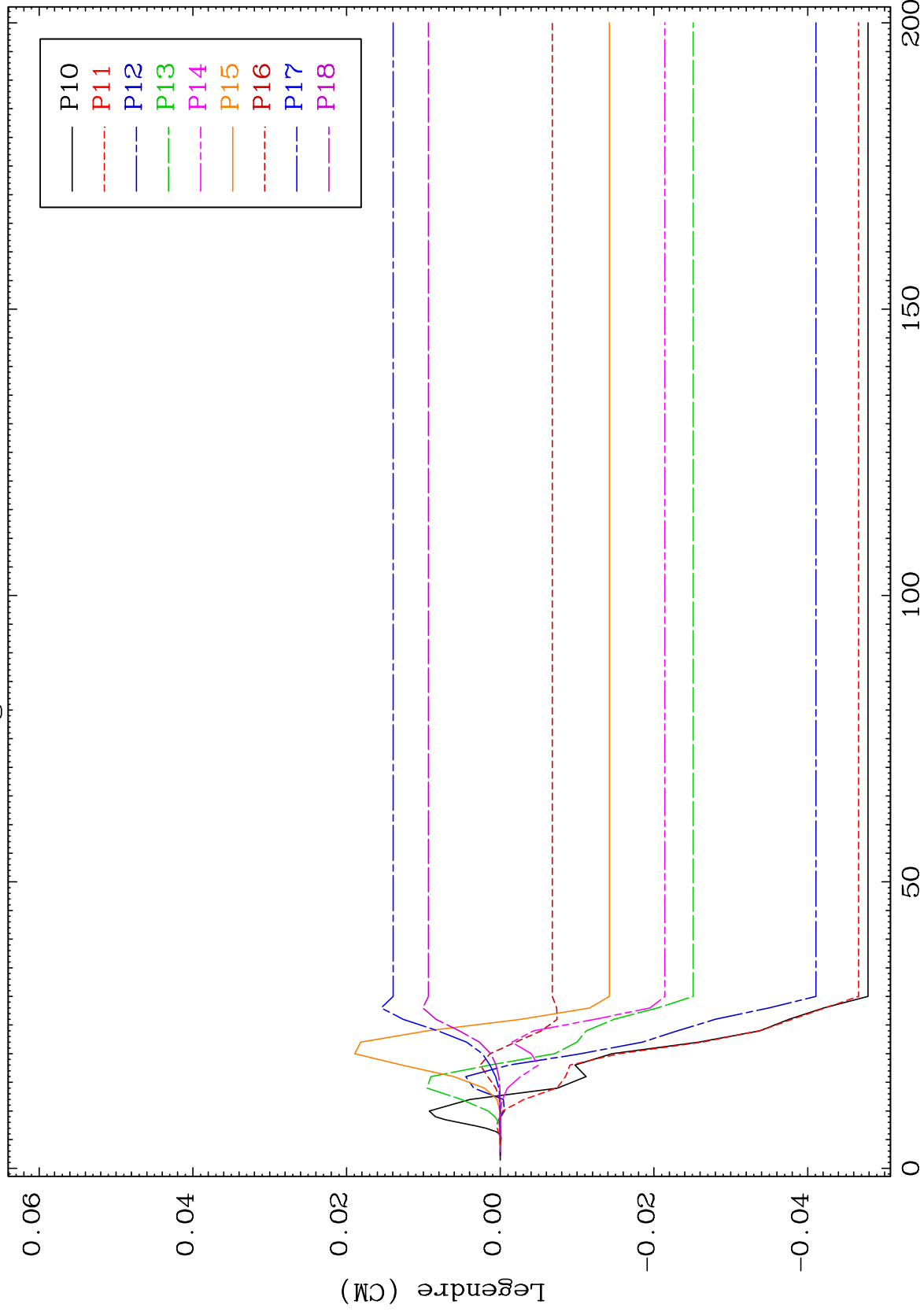
51



MAT 5470

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

54-Xe-139



53

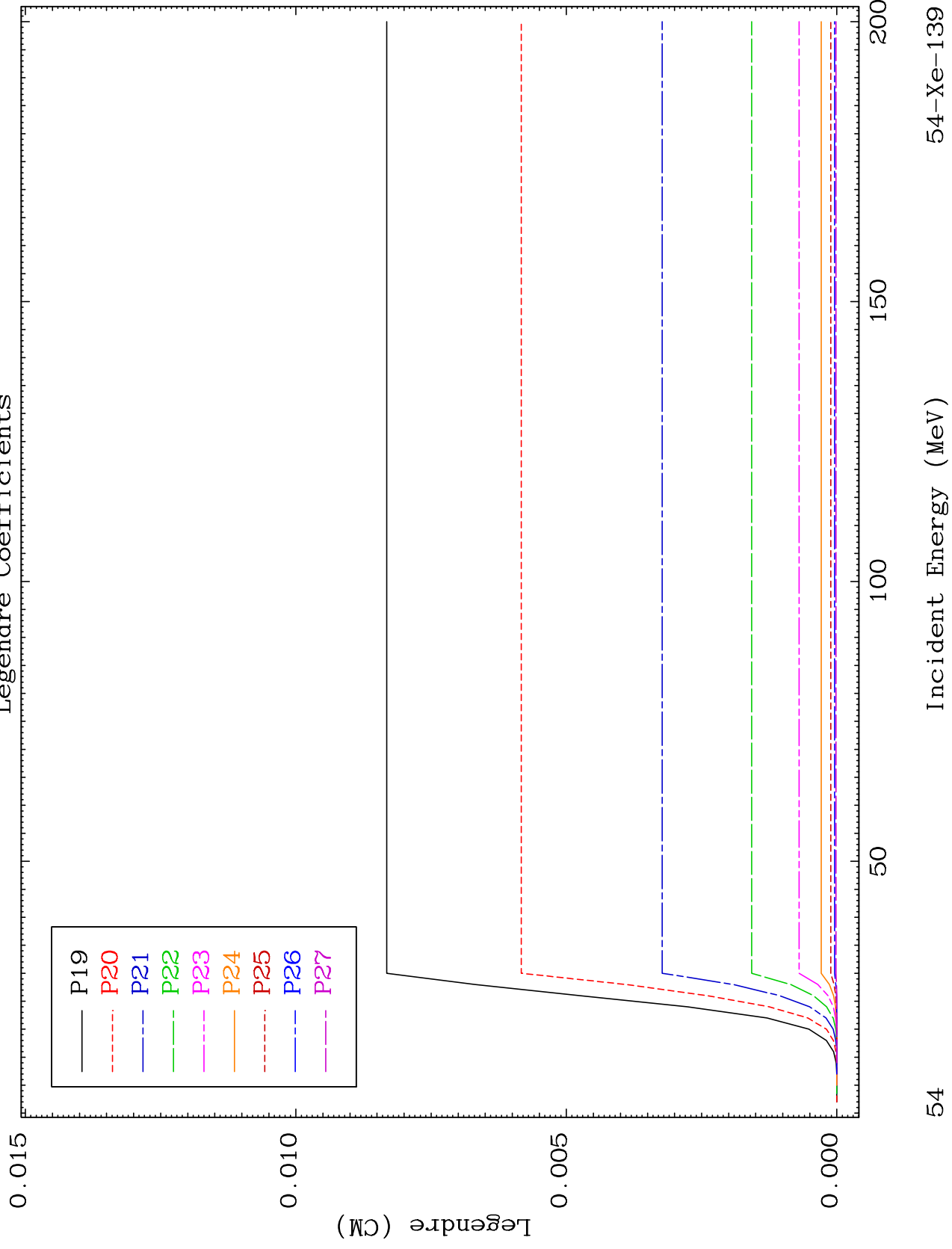
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



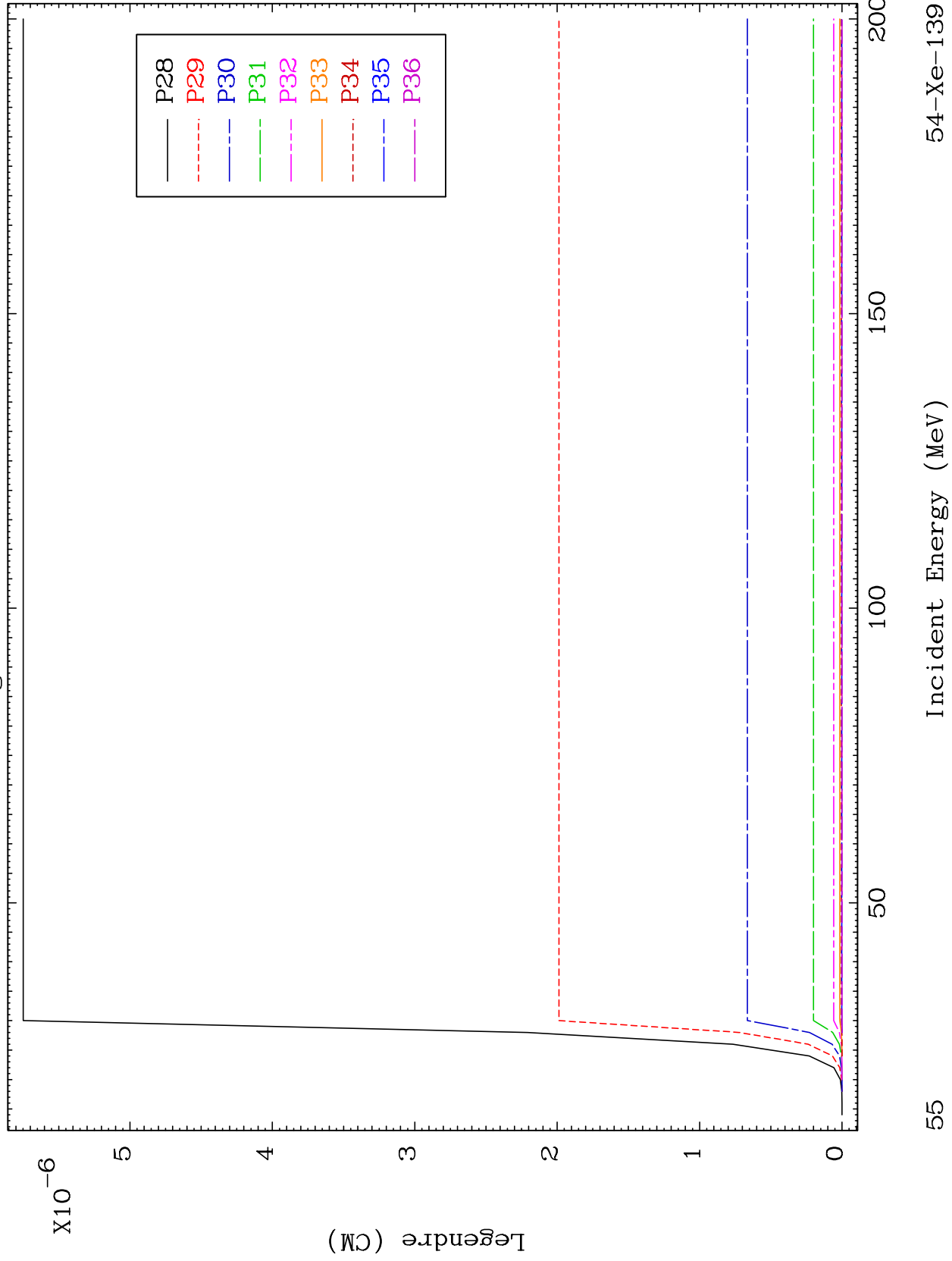
54

54-Xe-139

MAT 5470

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

54-Xe-139



55

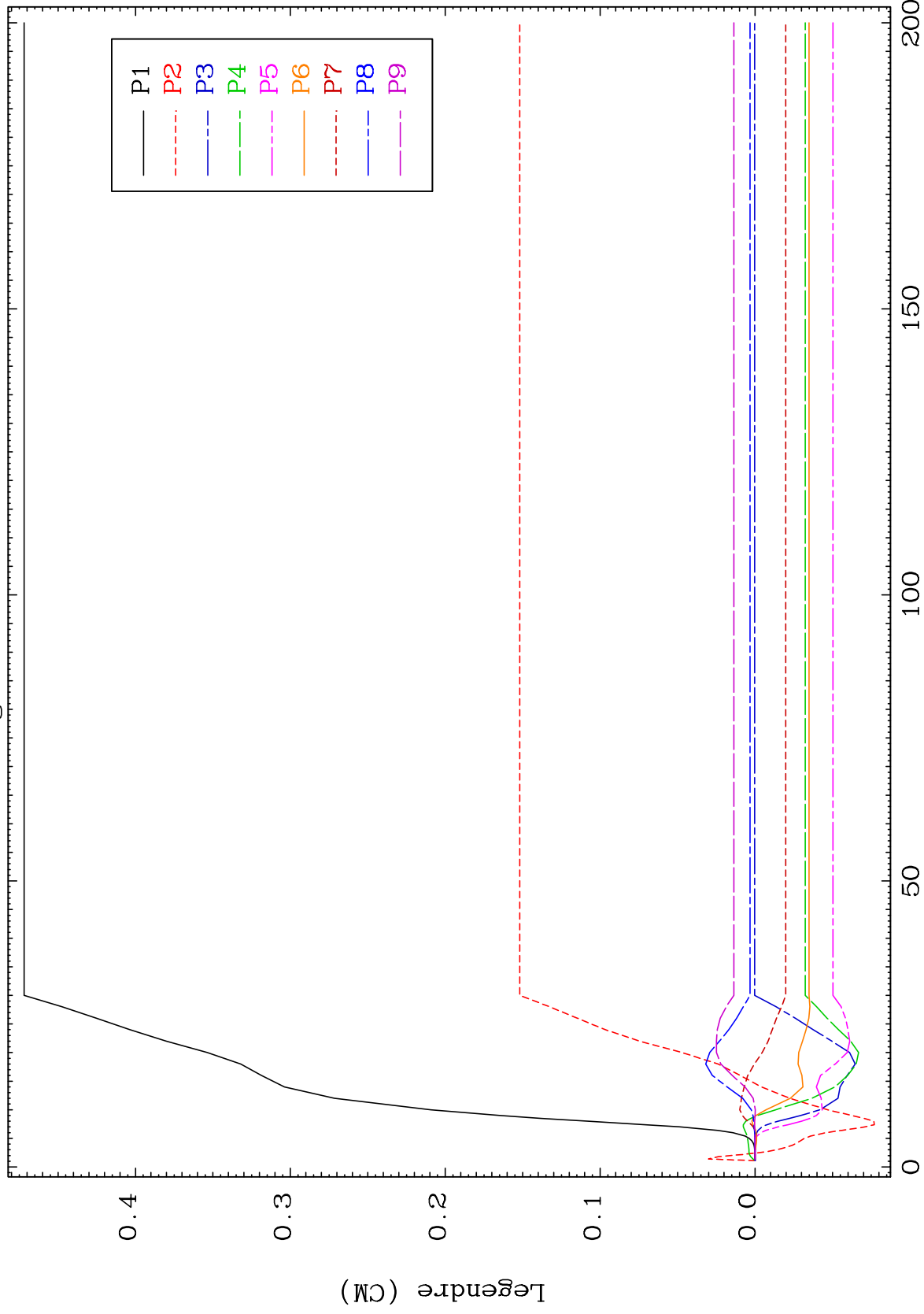
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



56

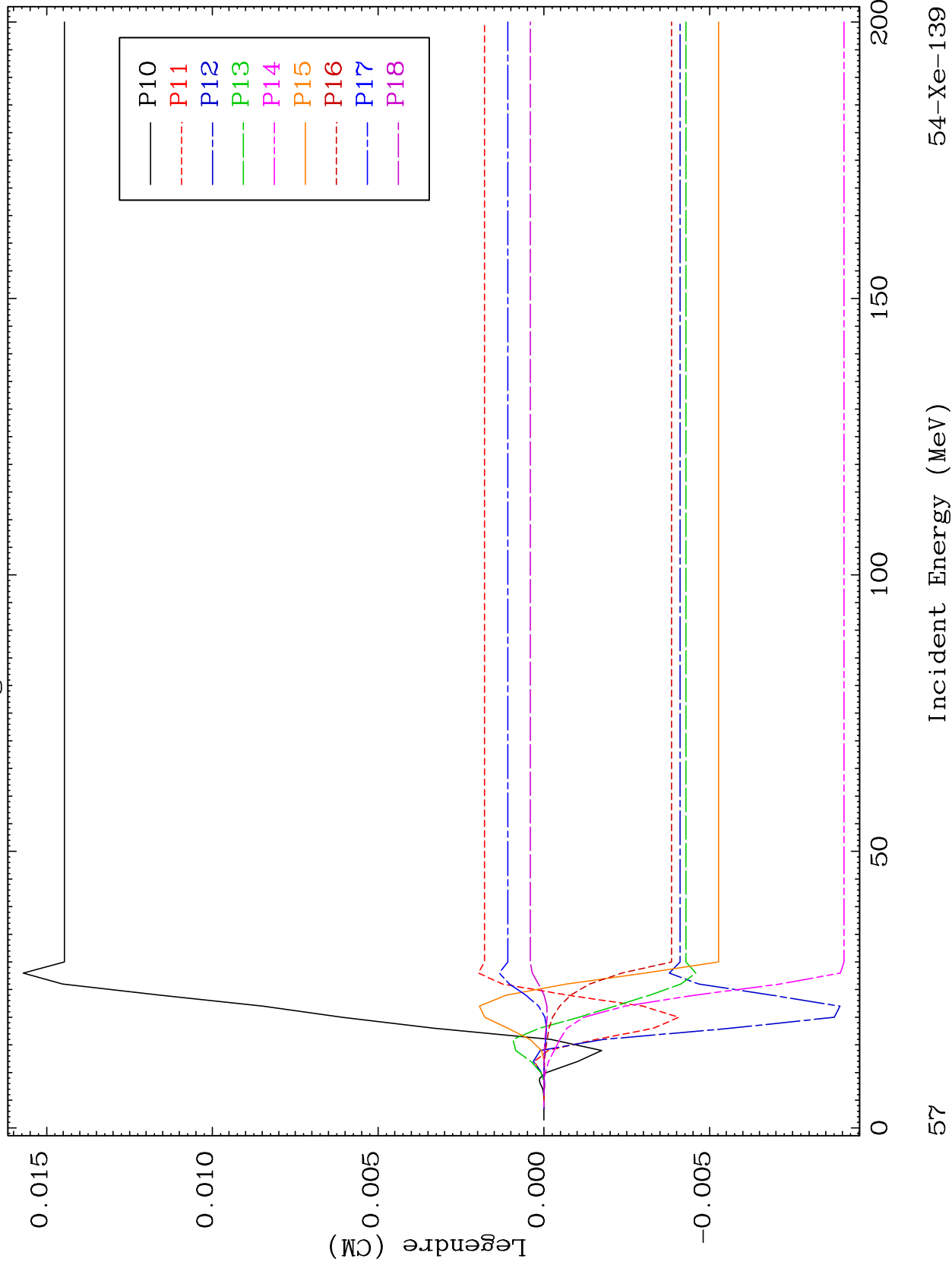
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

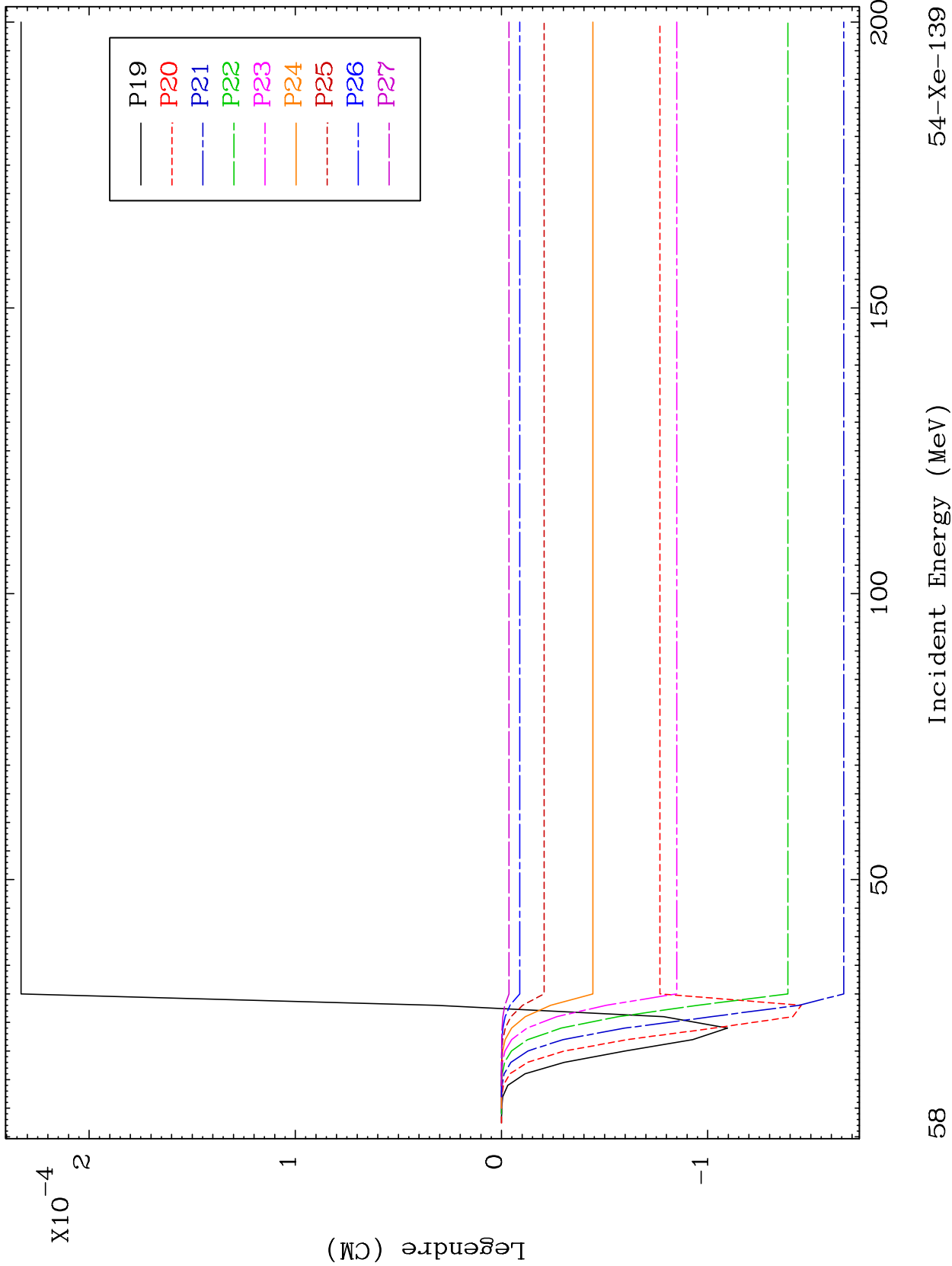
54-Xe-139

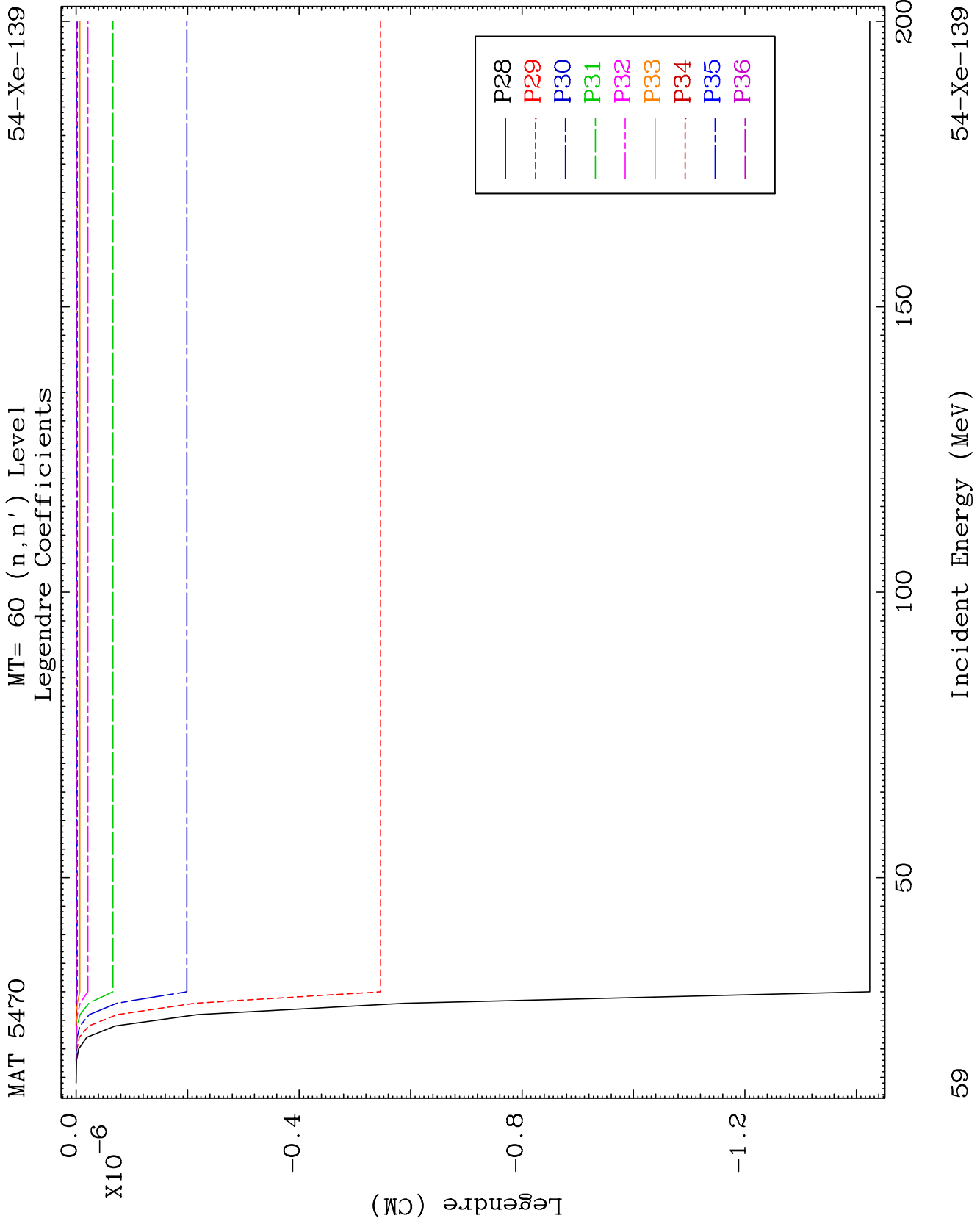


57

Incident Energy (MeV)

54-Xe-139

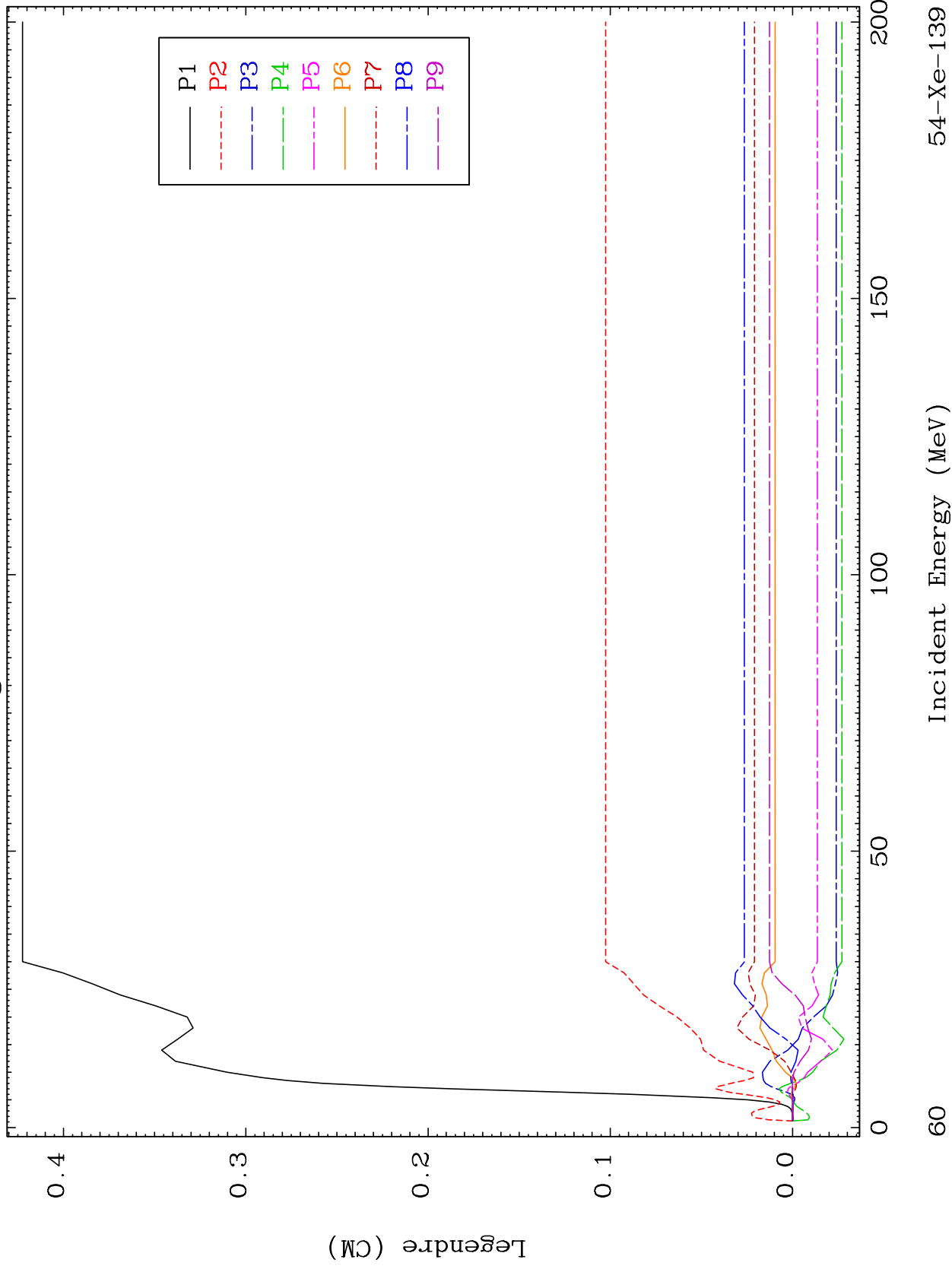




MAT 5470

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

54-Xe-139



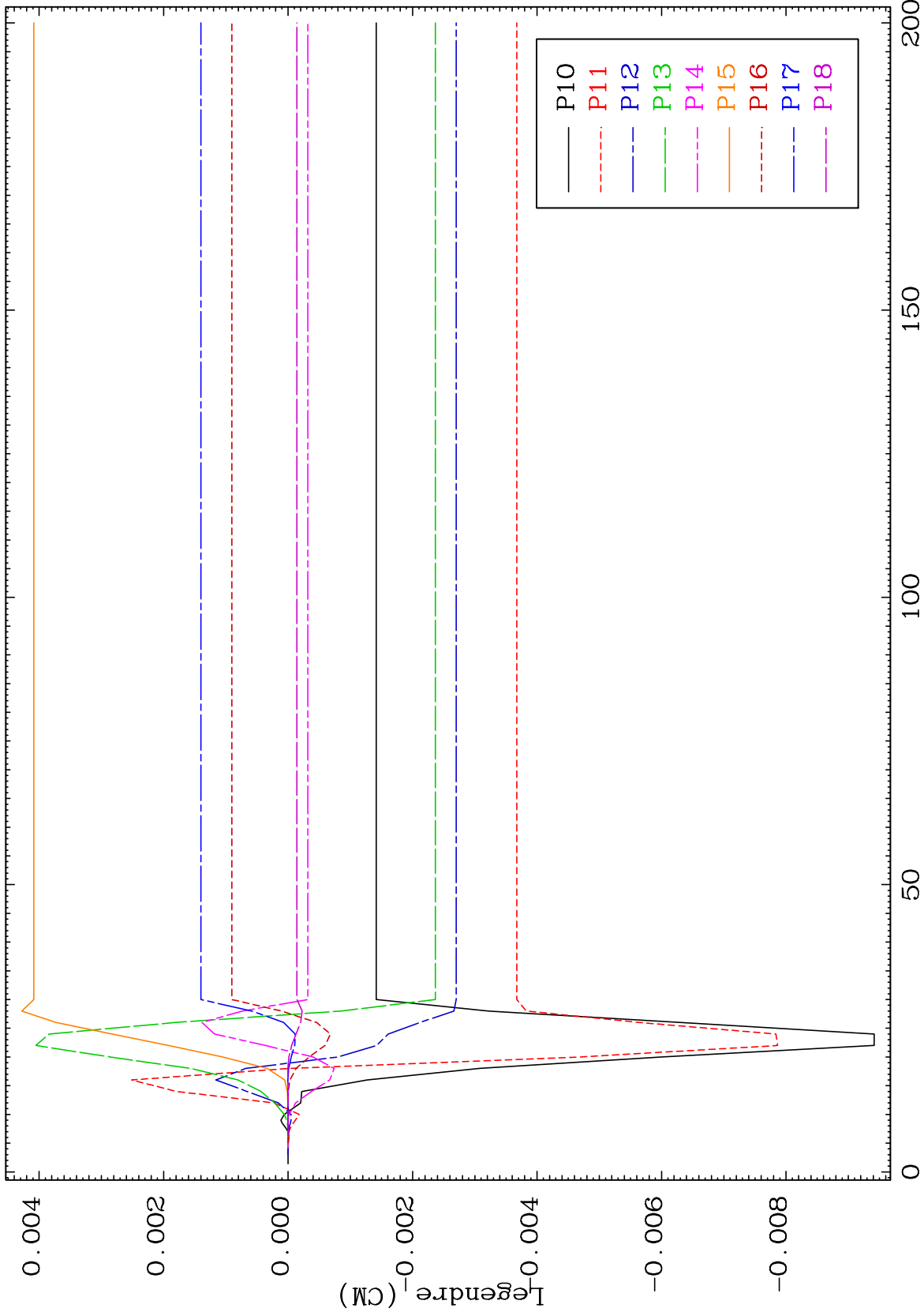
54-Xe-139

Incident Energy (MeV)

MAT 5470

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

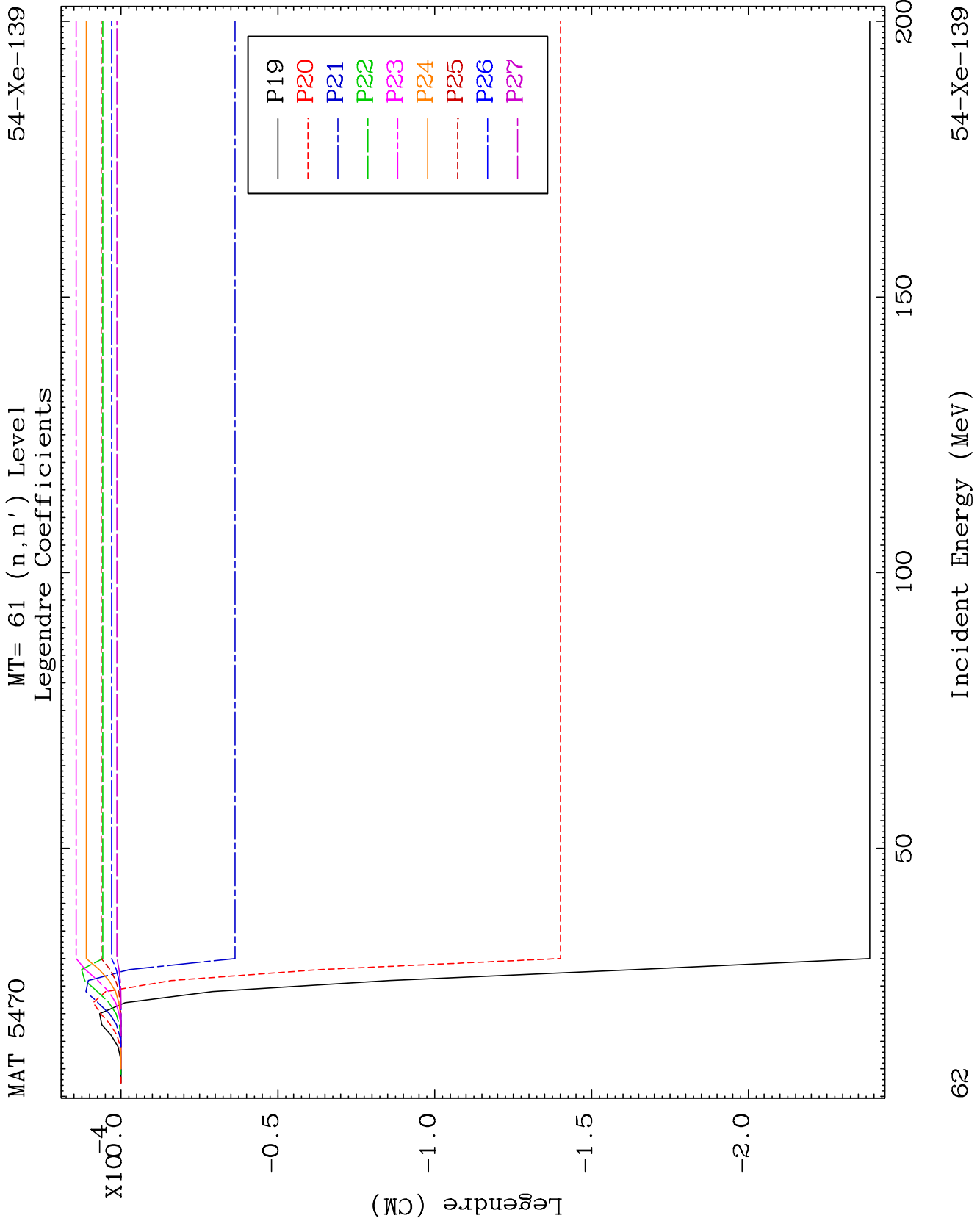
54-Xe-139



61

Incident Energy (MeV)

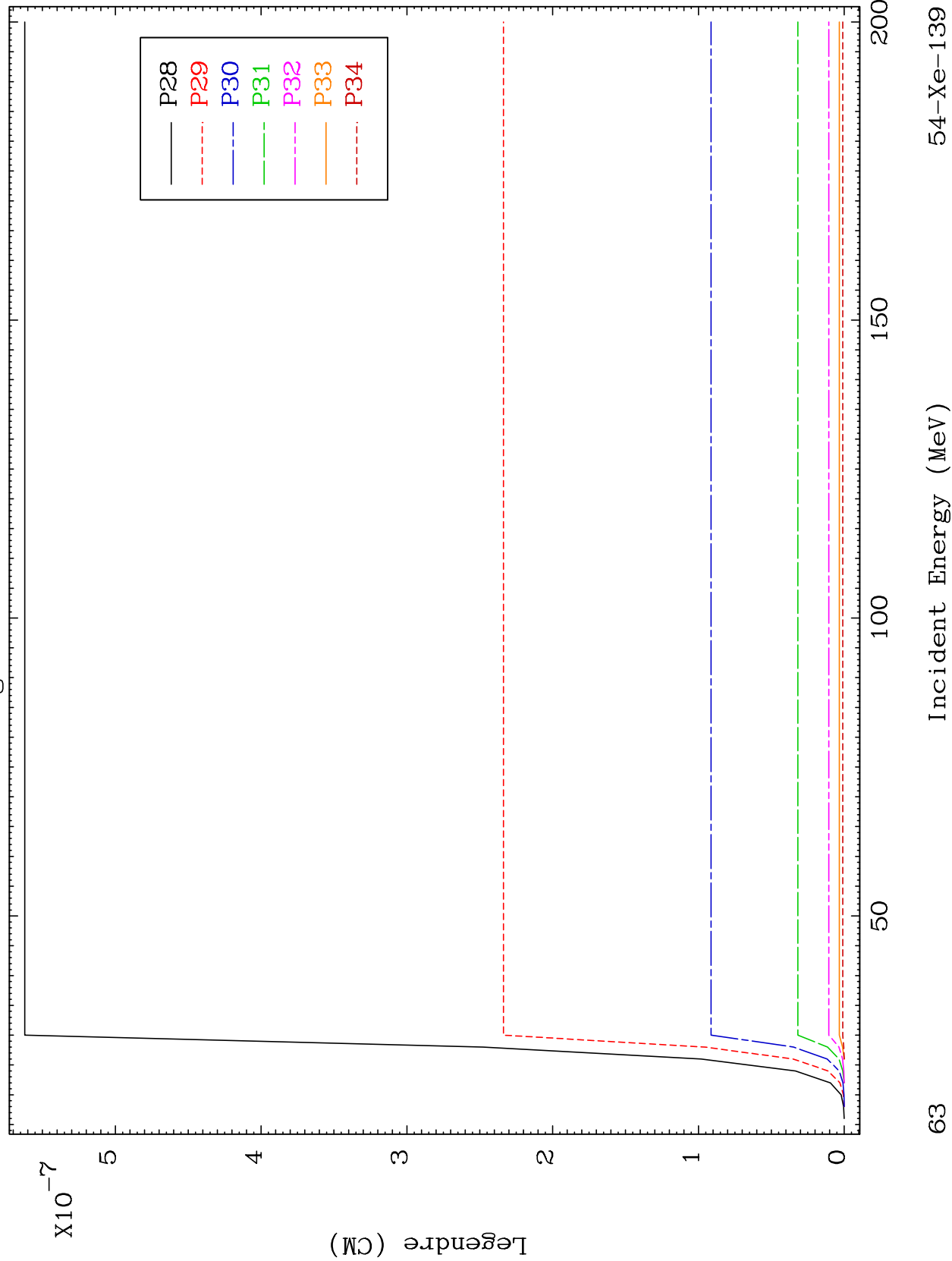
54-Xe-139



MAT 5470

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

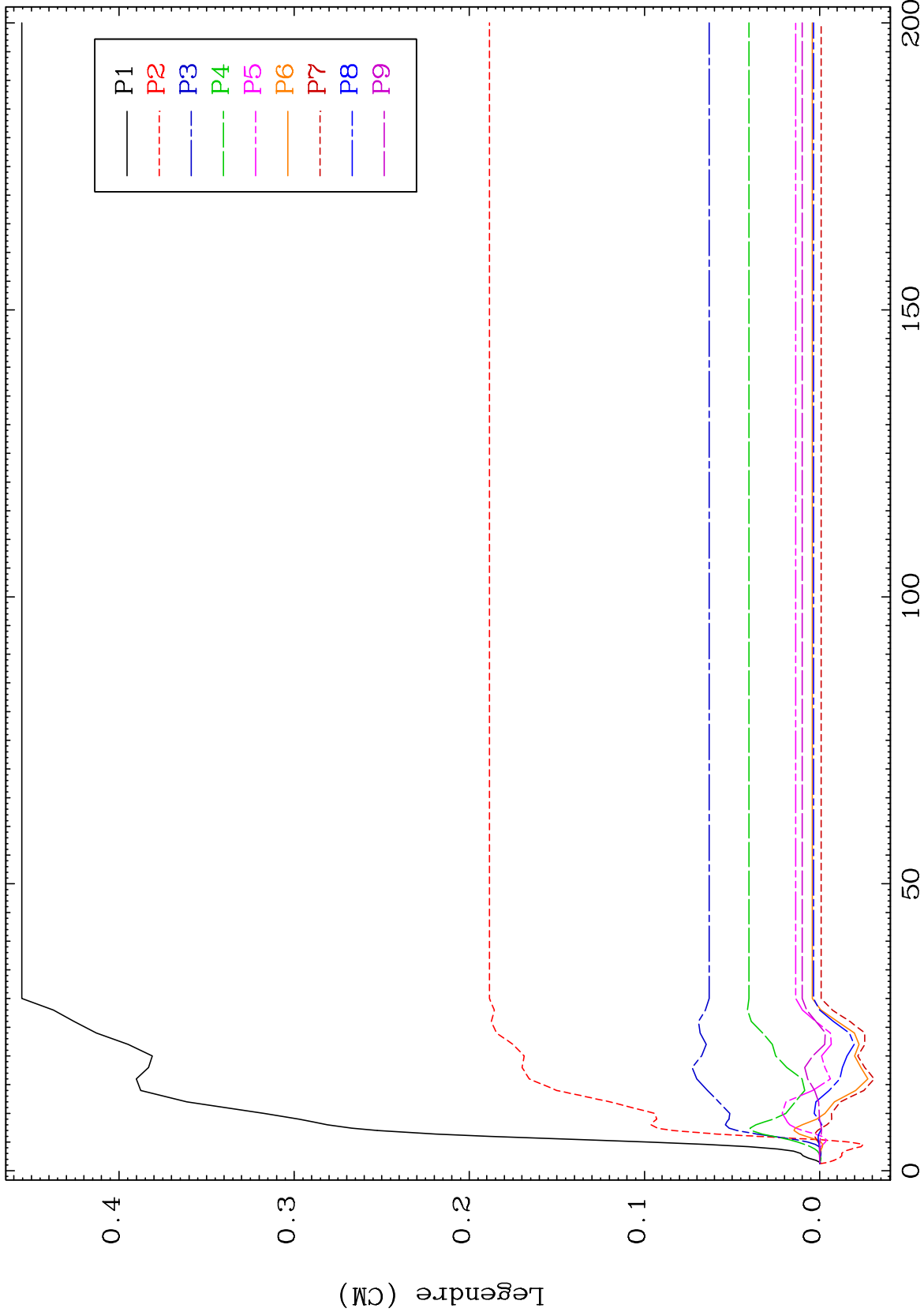
54-Xe-139



MAT 5470

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

54-Xe-139



64

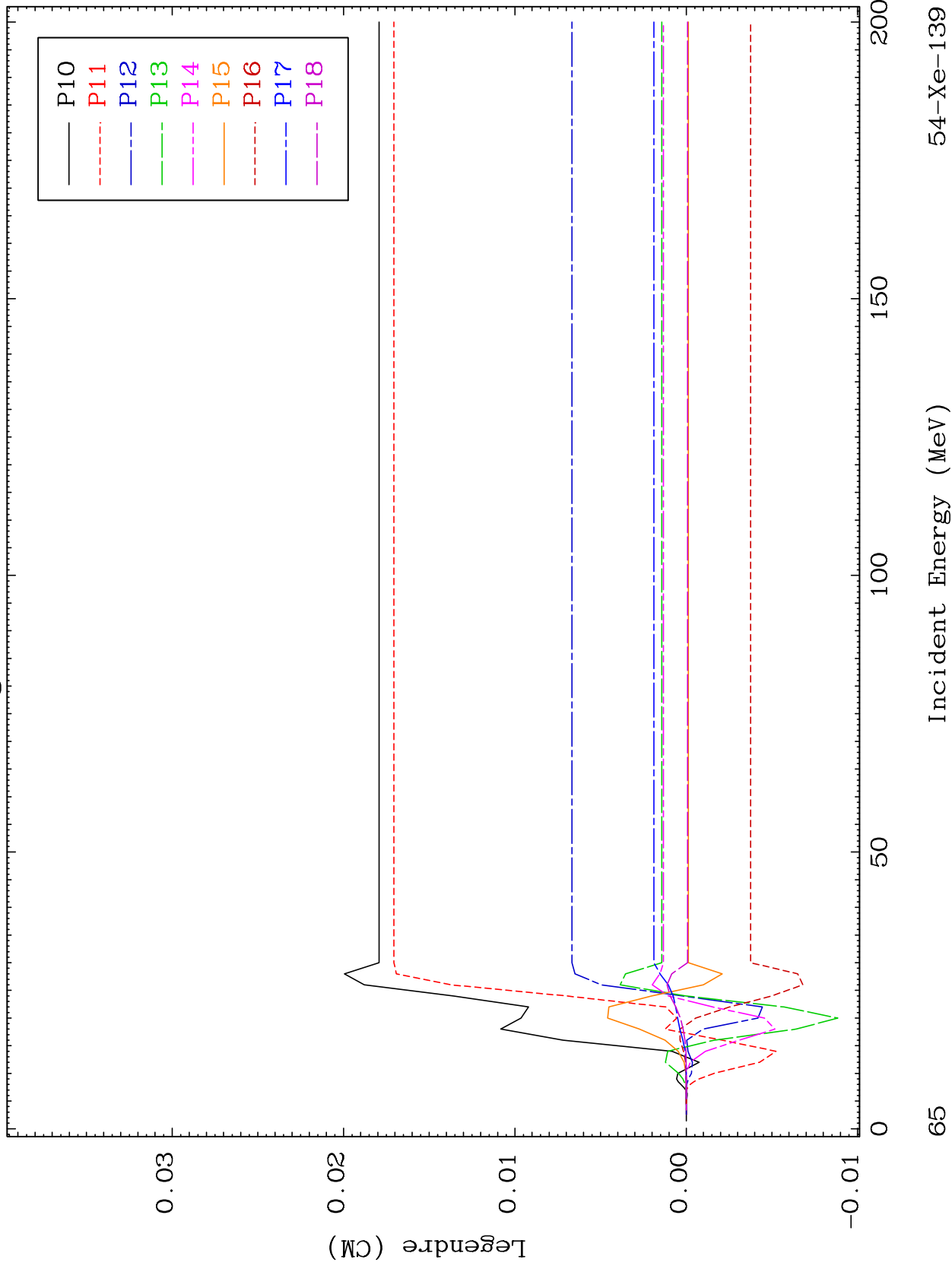
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

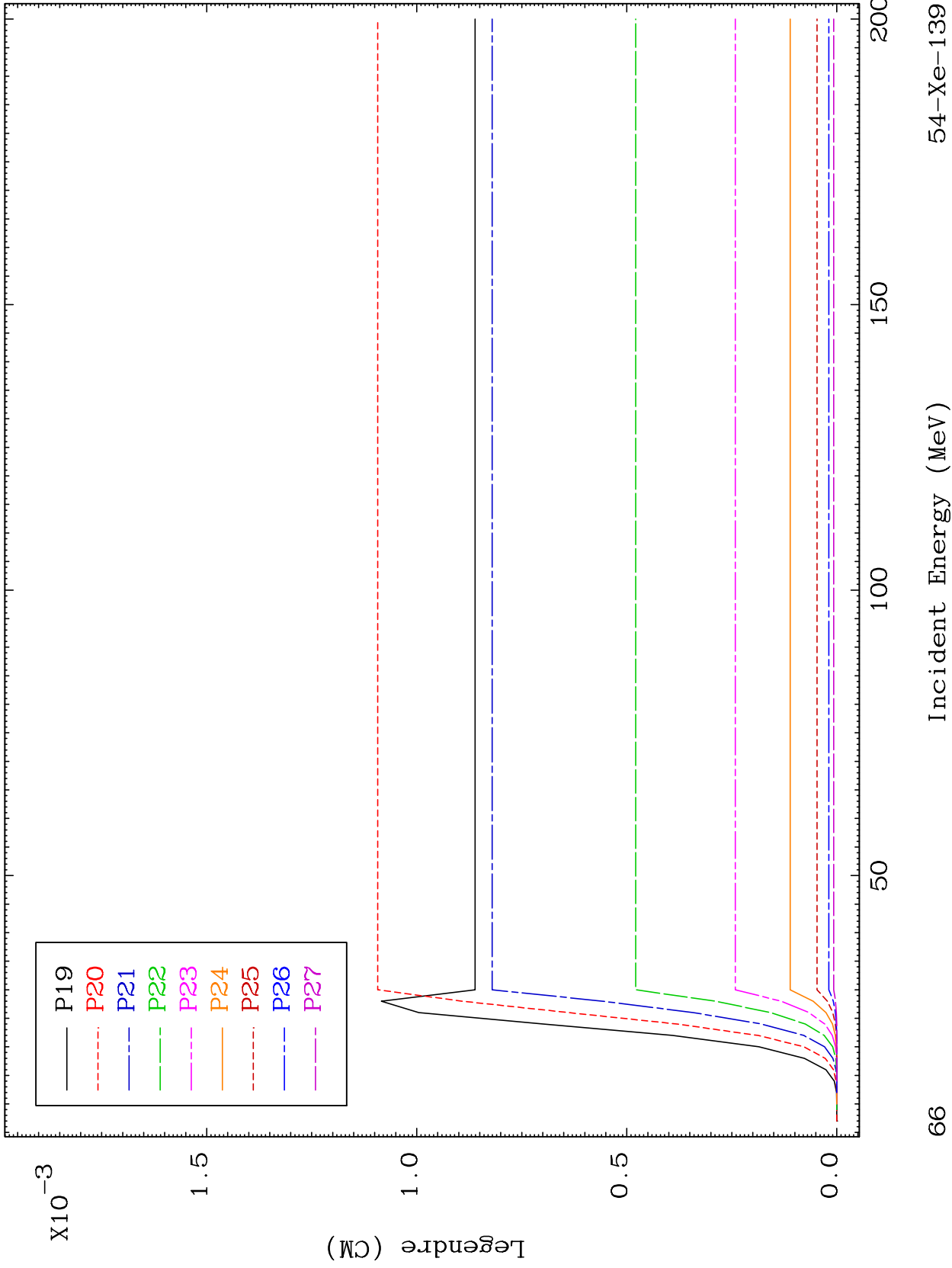
54-Xe-139



54-Xe-139

Incident Energy (MeV)

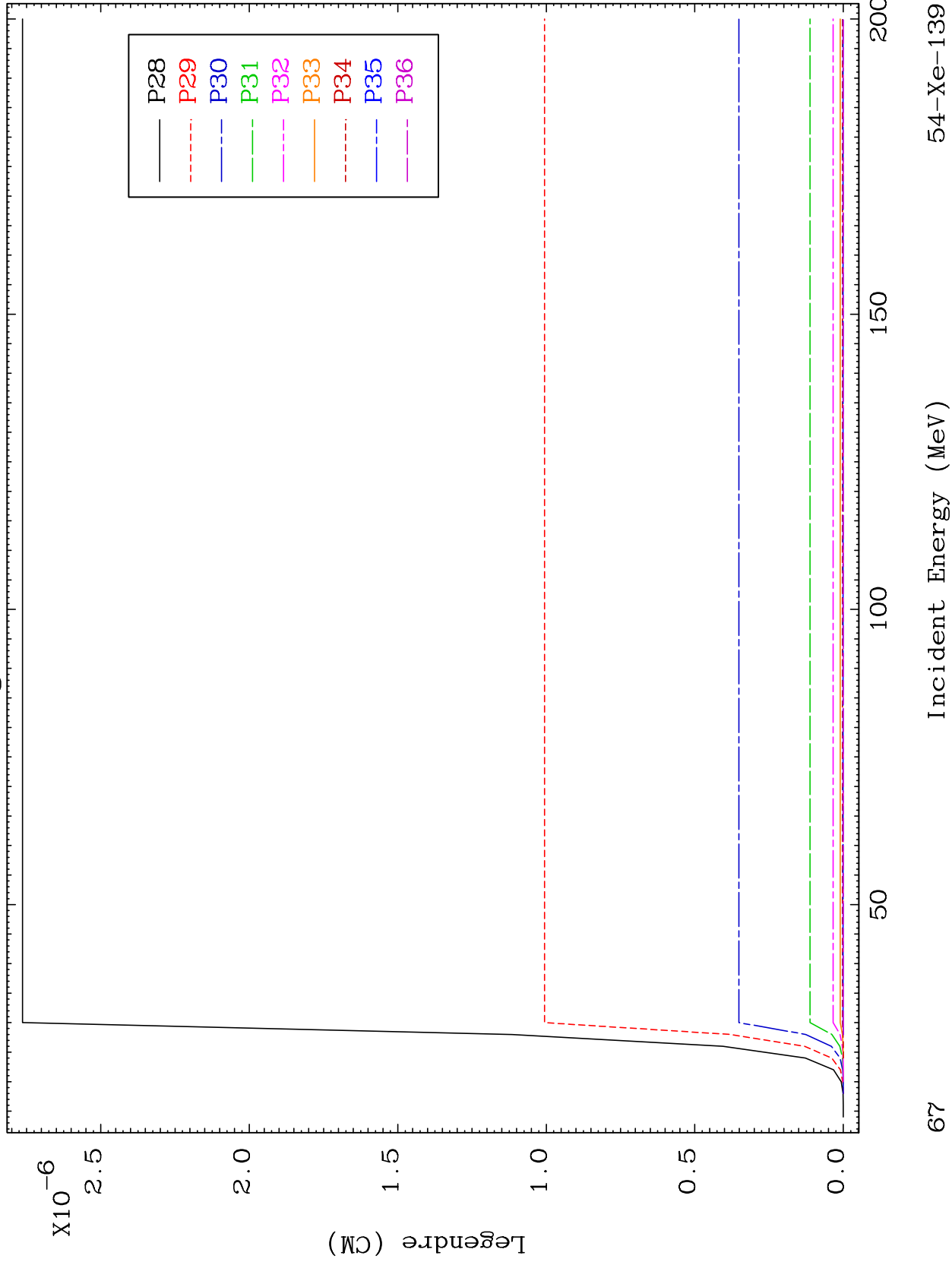
65



MAT 5470

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

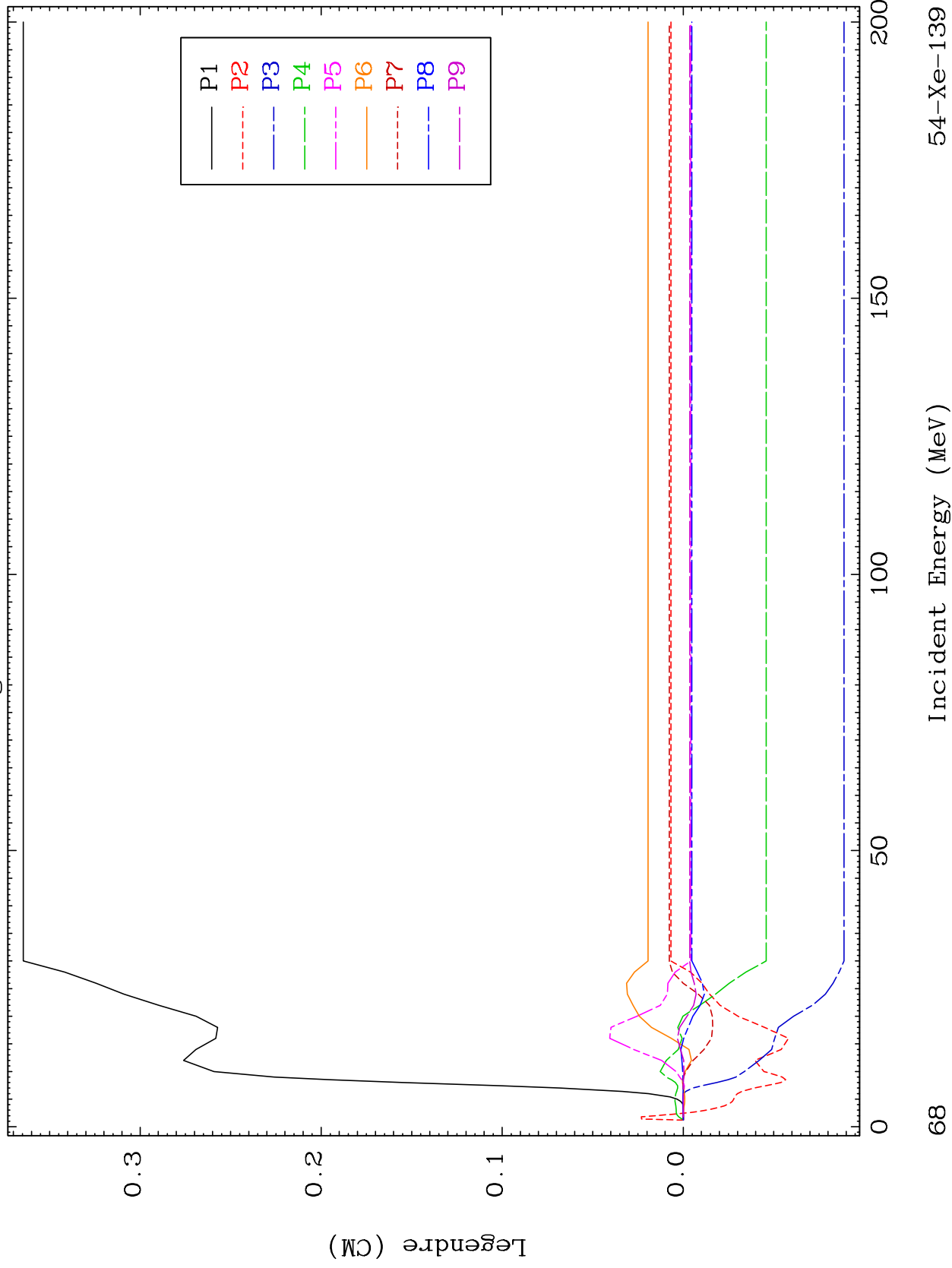
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

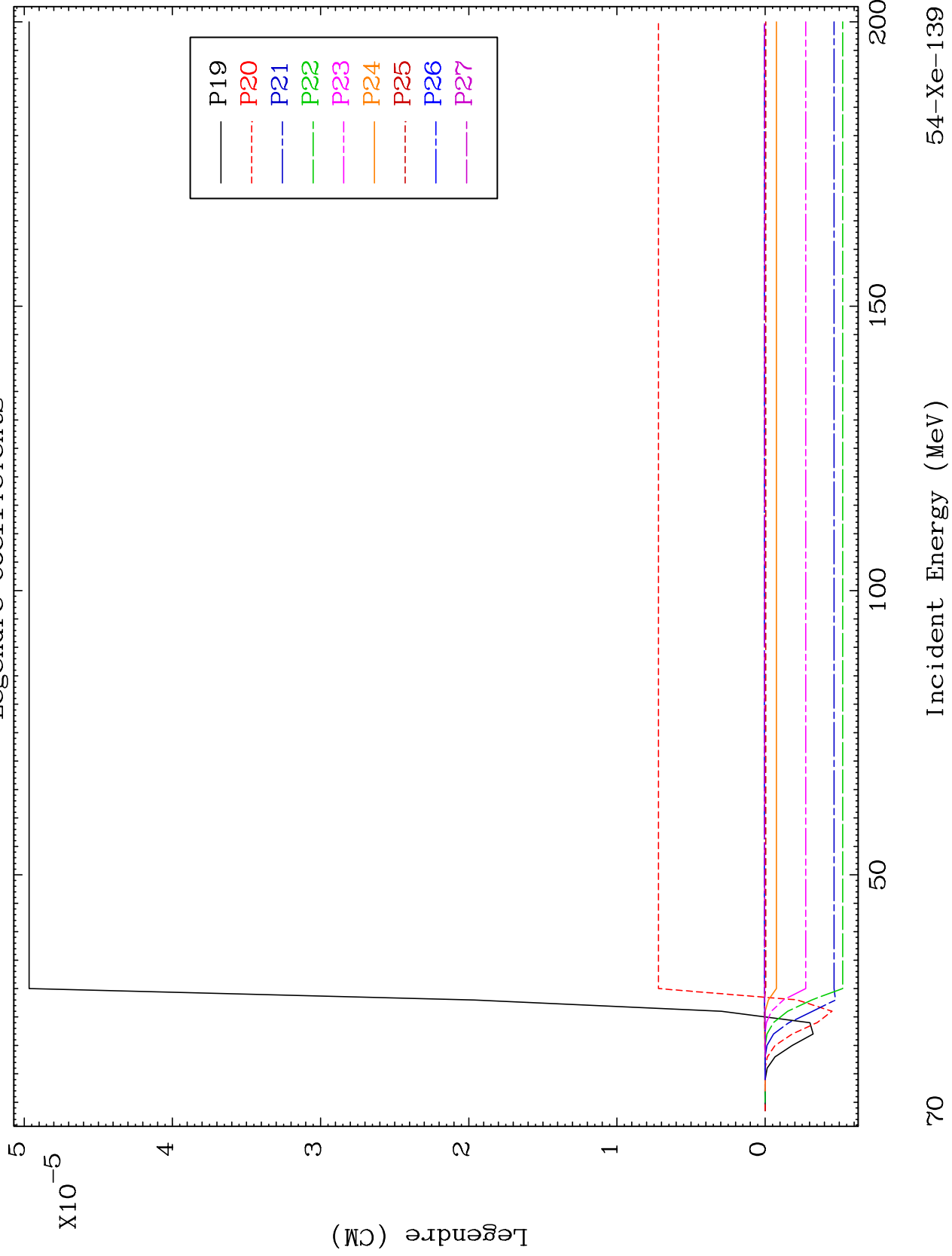
Incident Energy (MeV)

68

MAT 5470

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

54-Xe-139



70

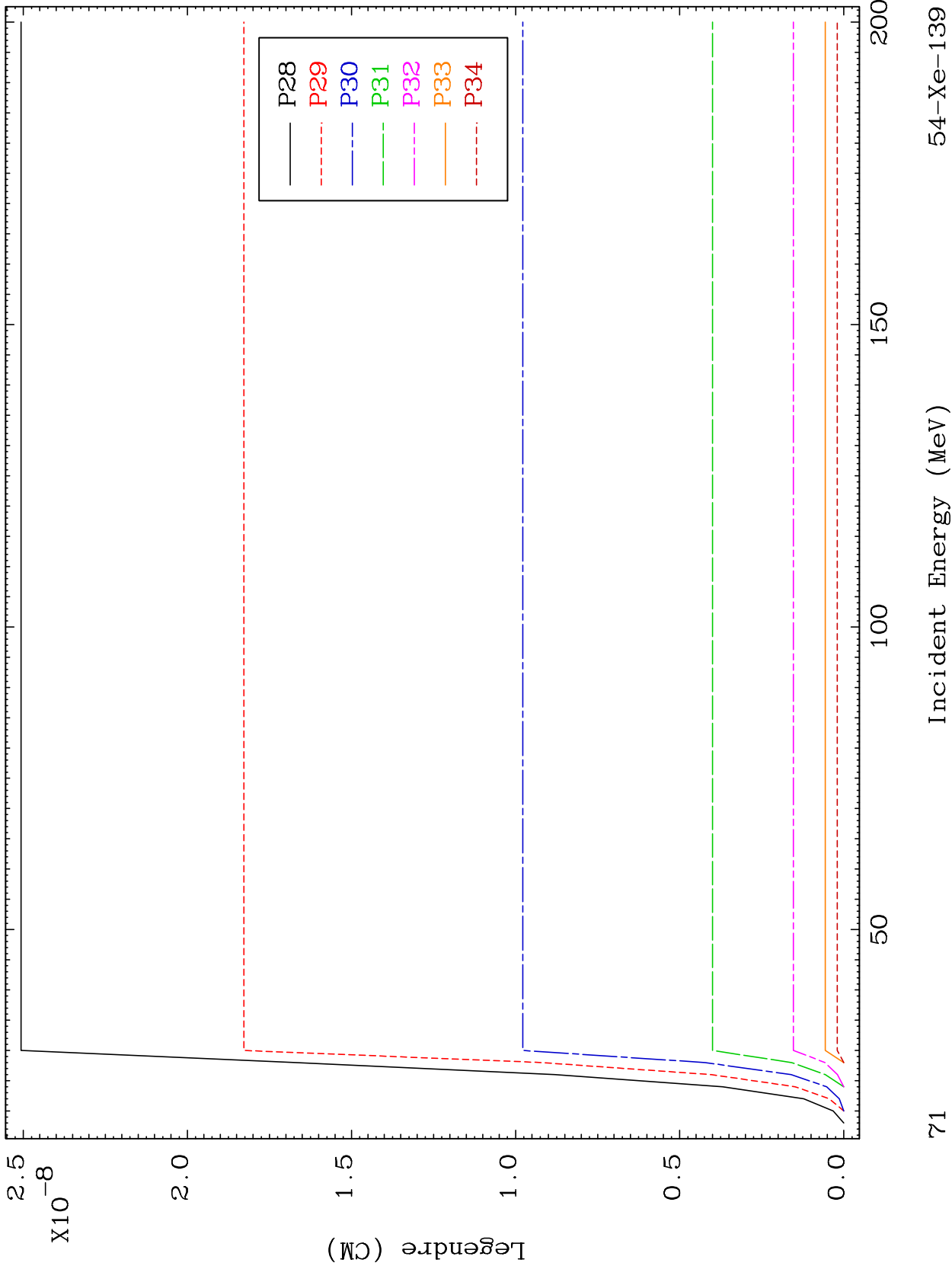
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



71

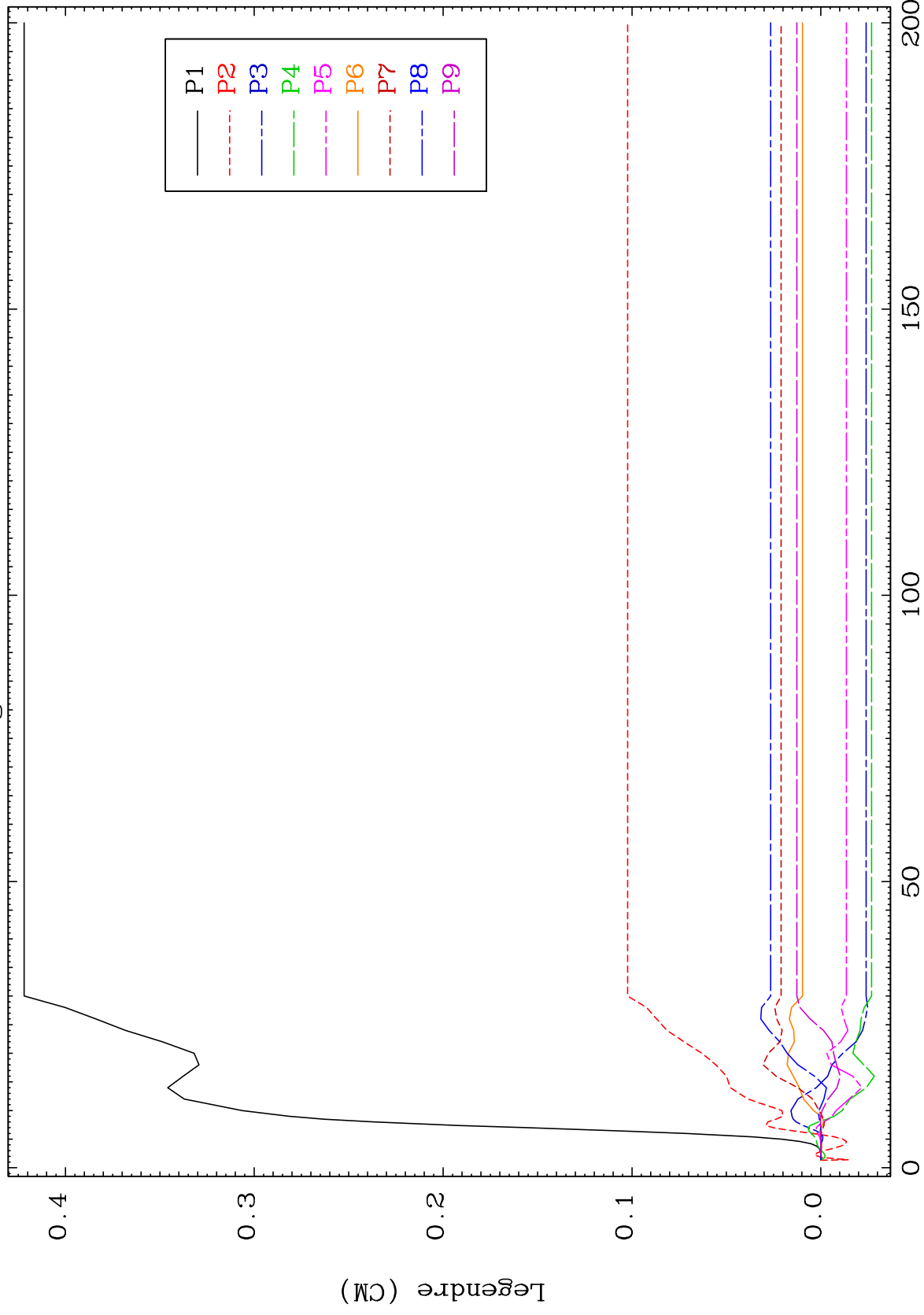
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



72

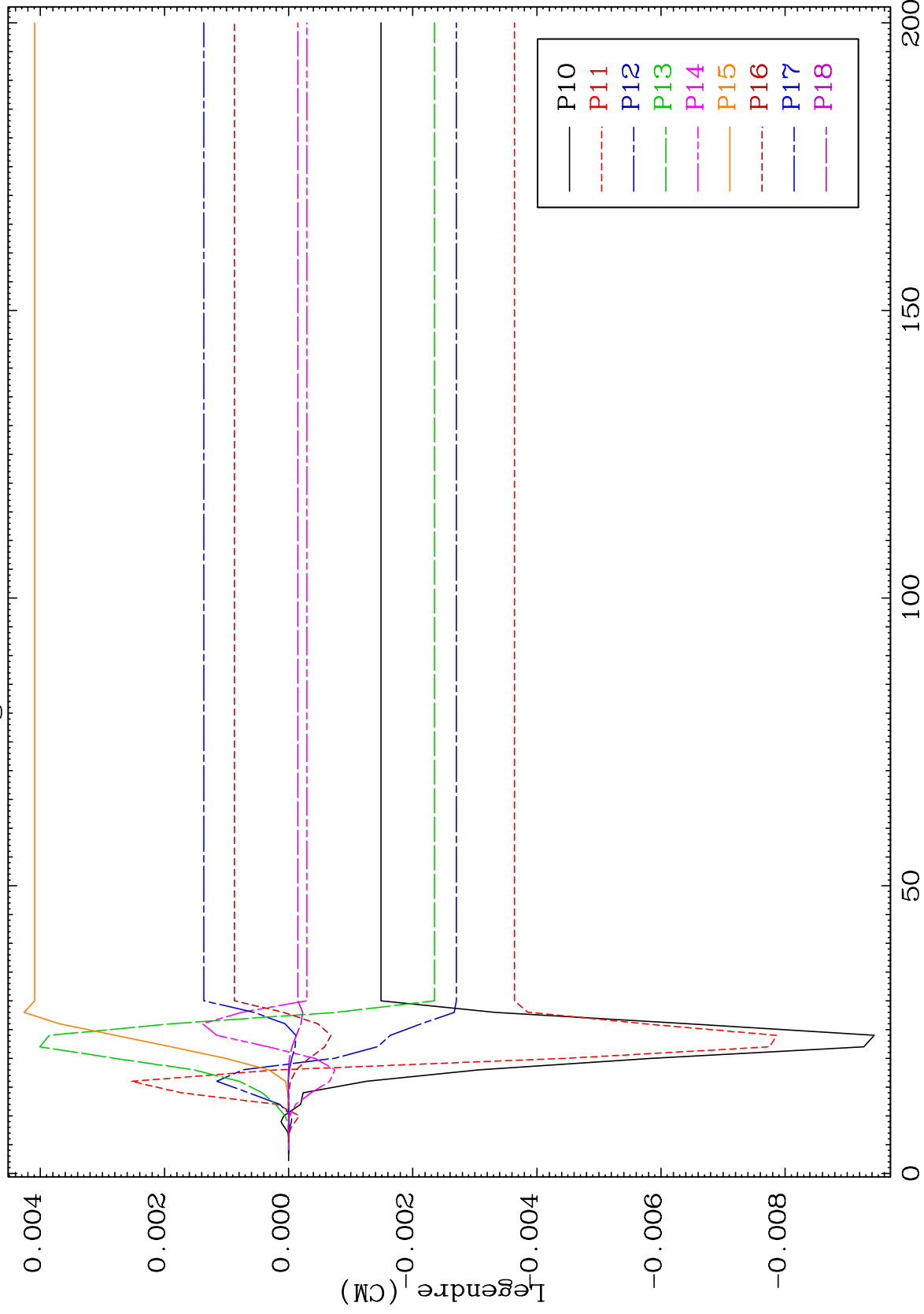
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



73

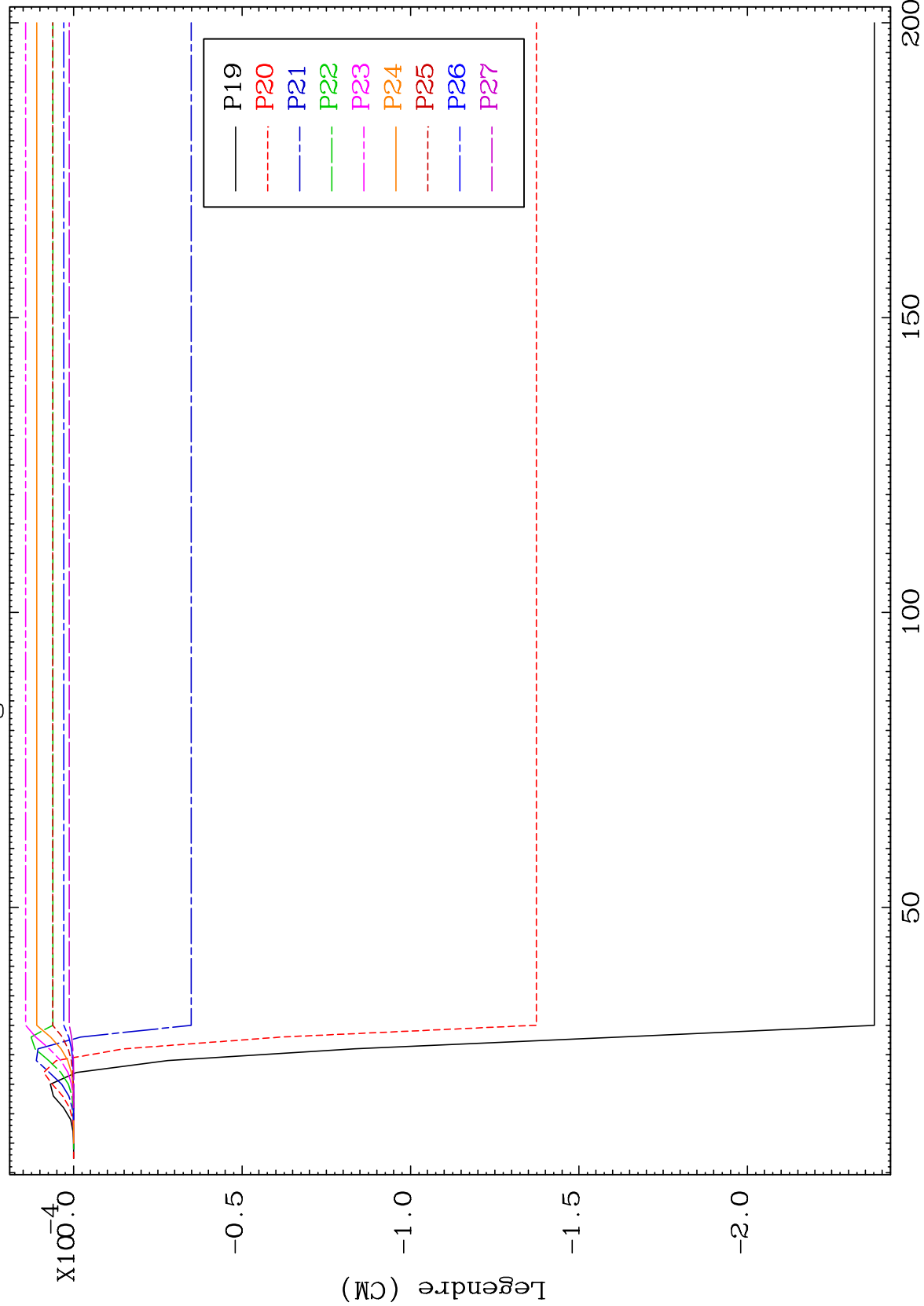
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

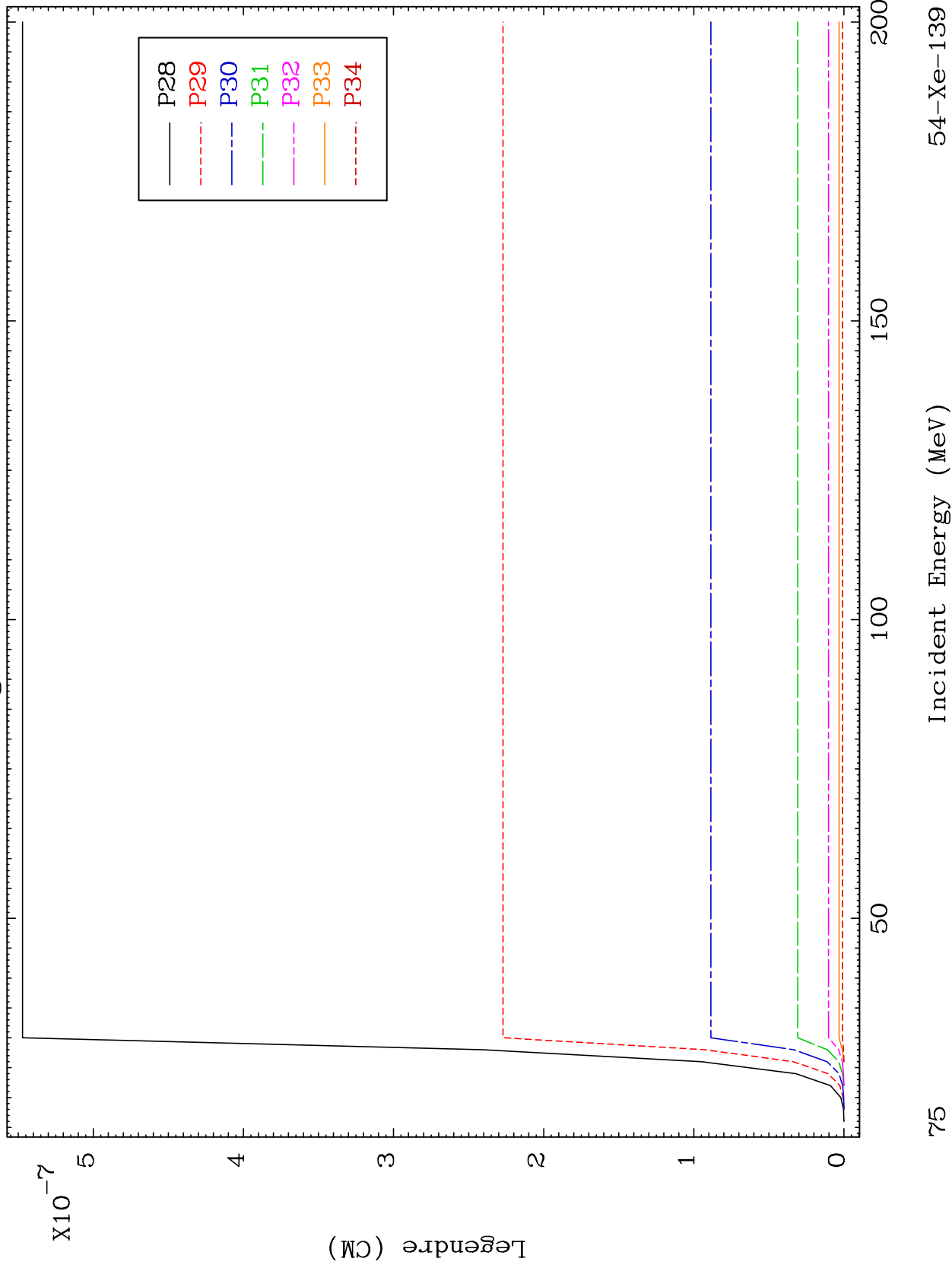
Incident Energy (MeV)

74

MAT 5470

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

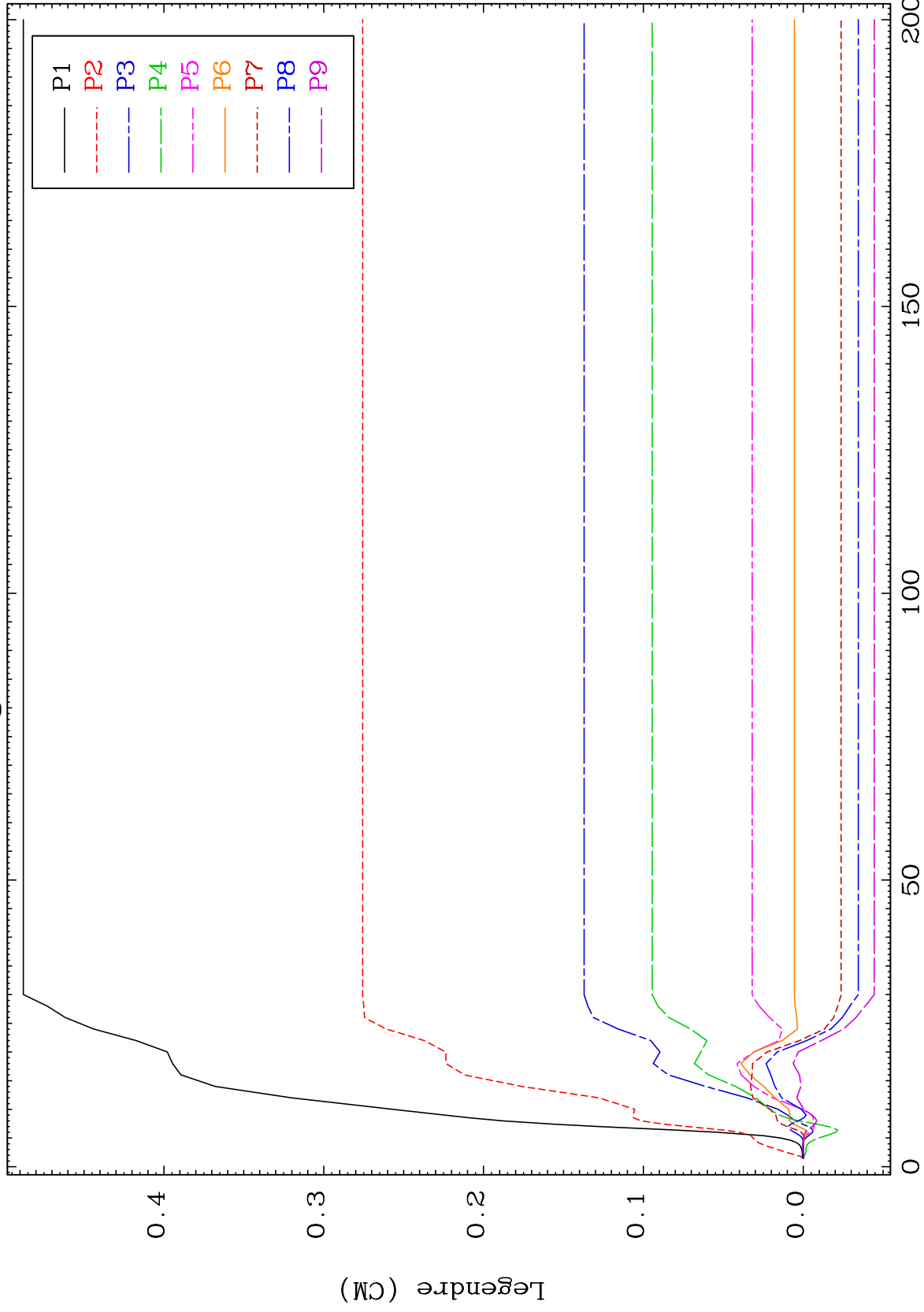
54-Xe-139



MAT 5470

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

54-Xe-139



76

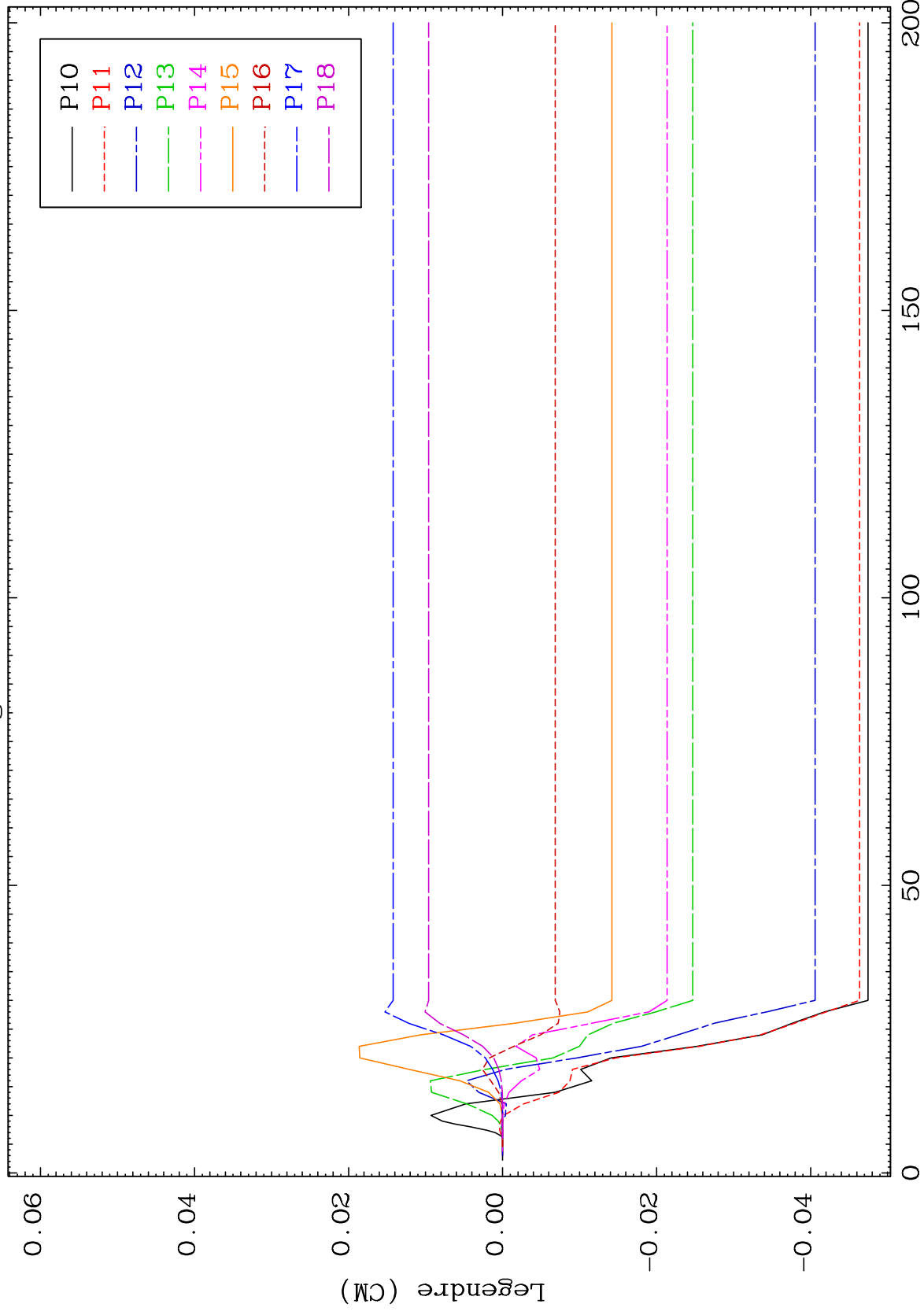
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



77

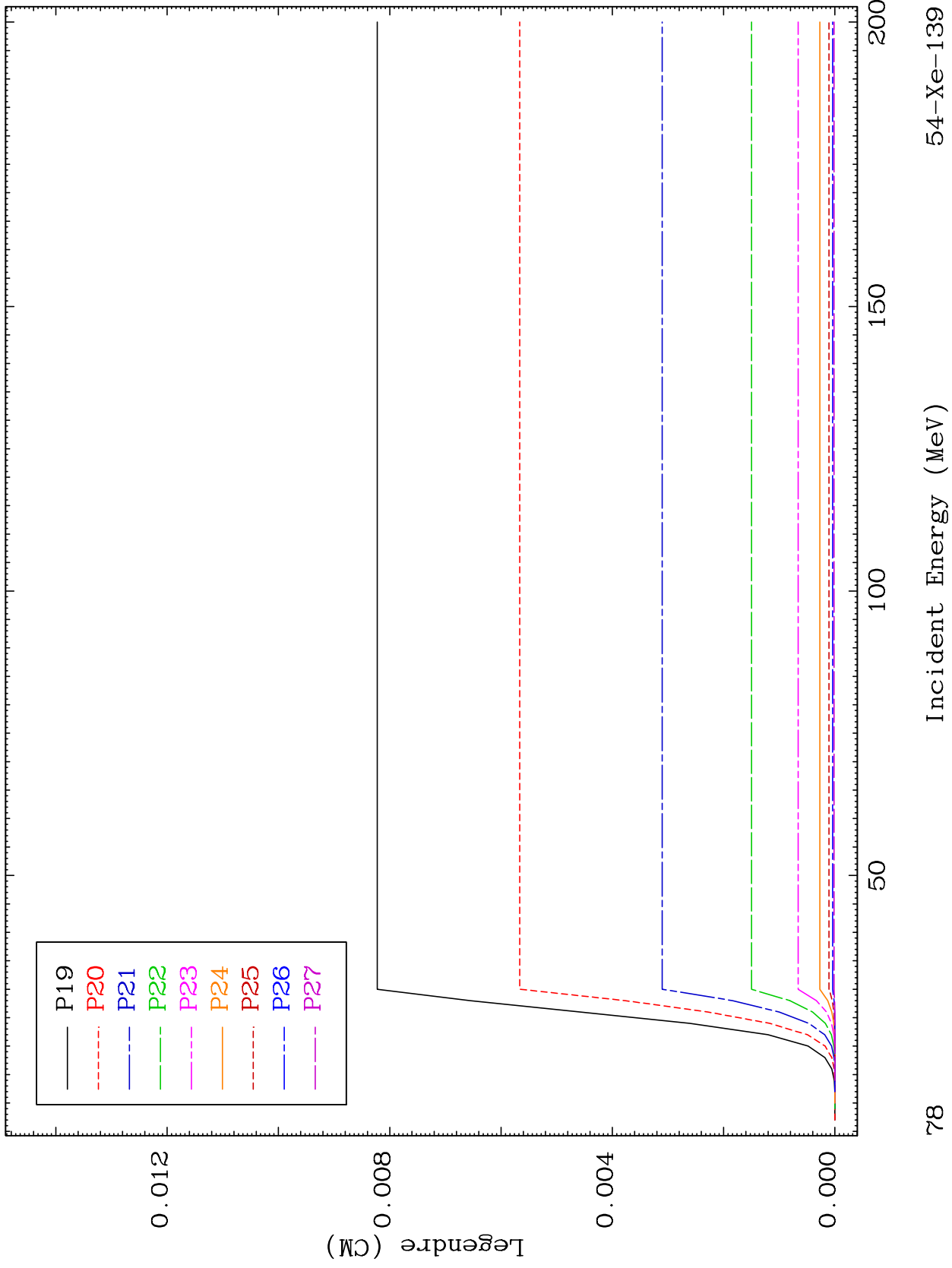
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



78

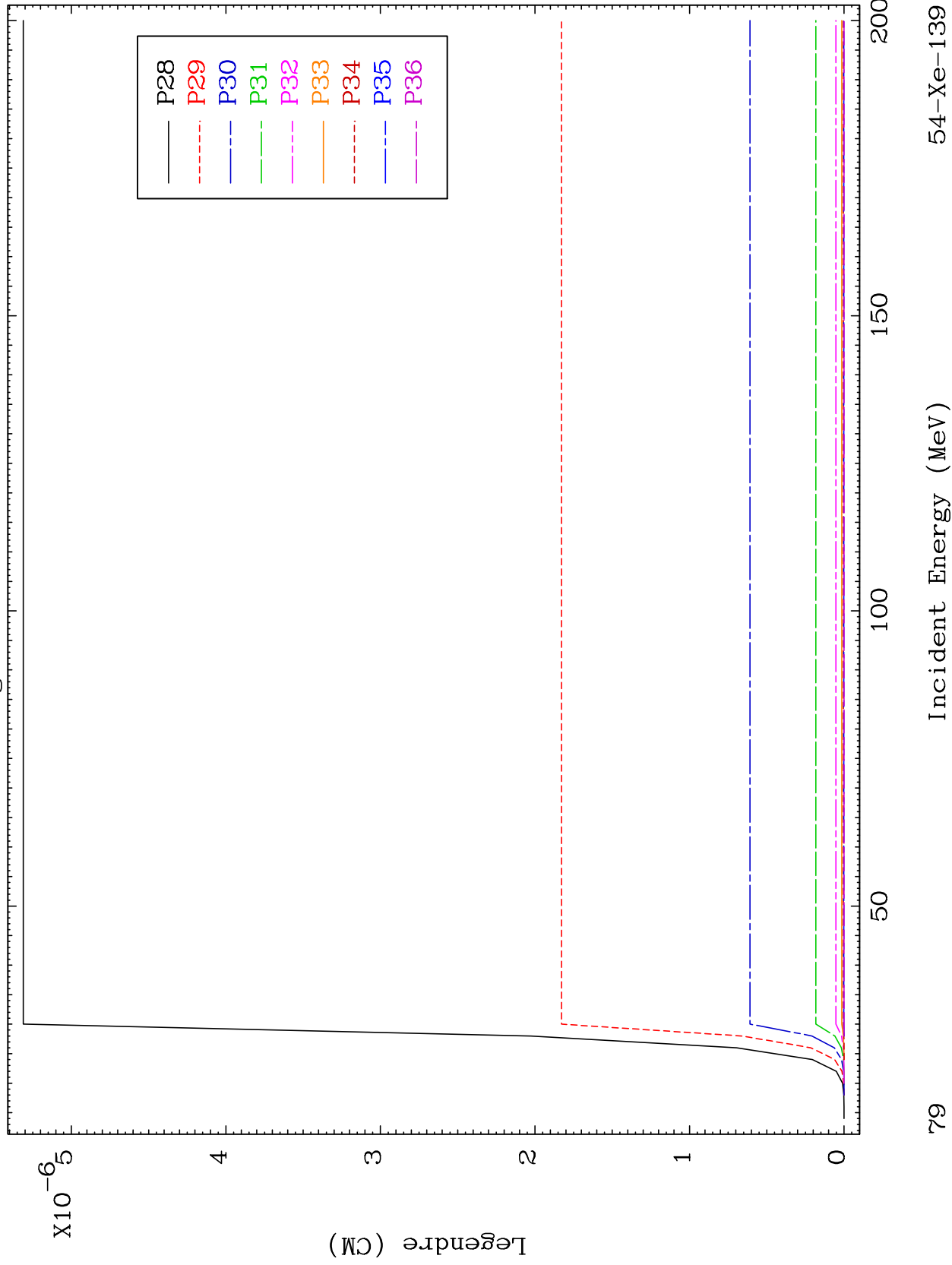
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

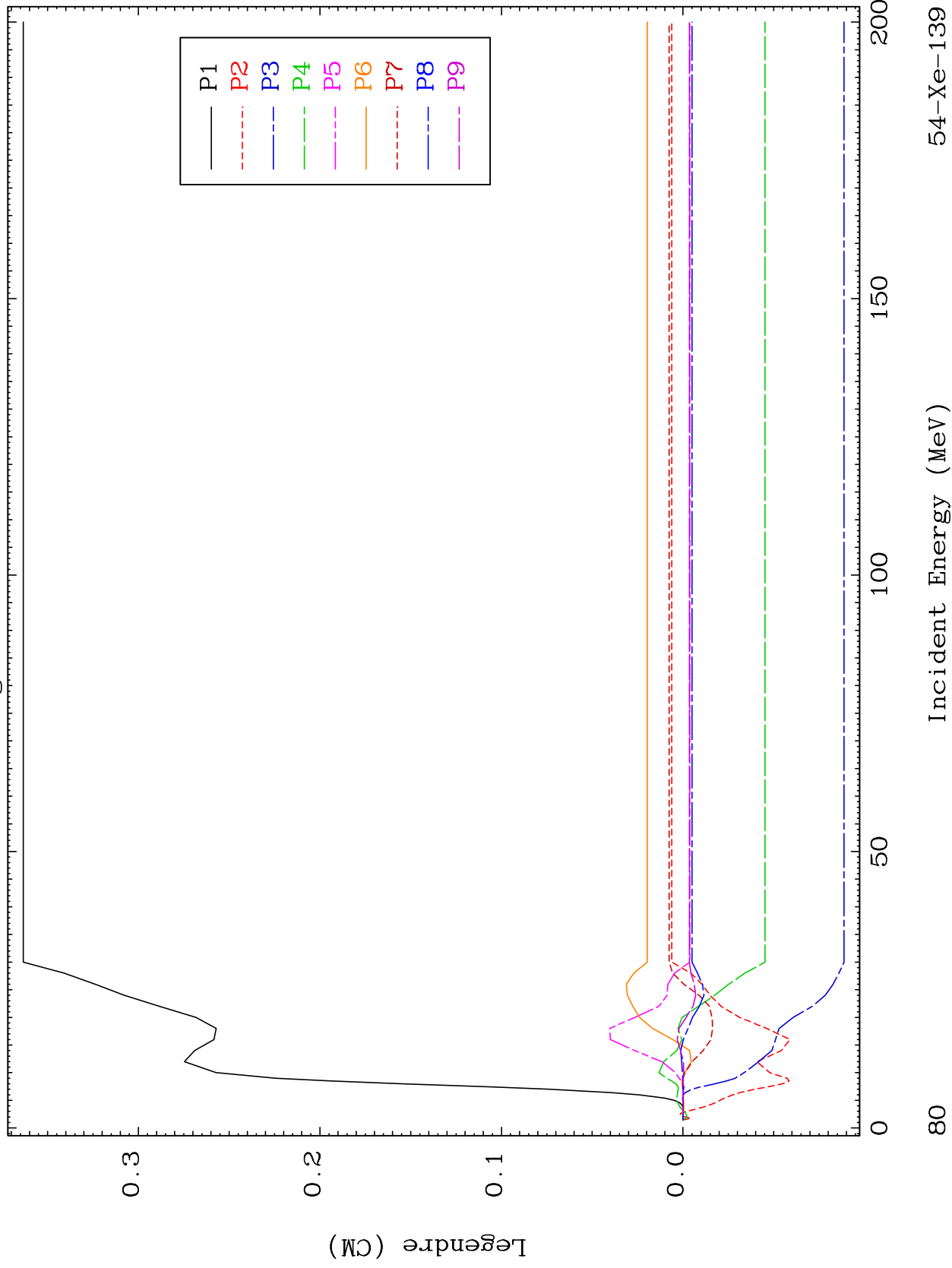
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

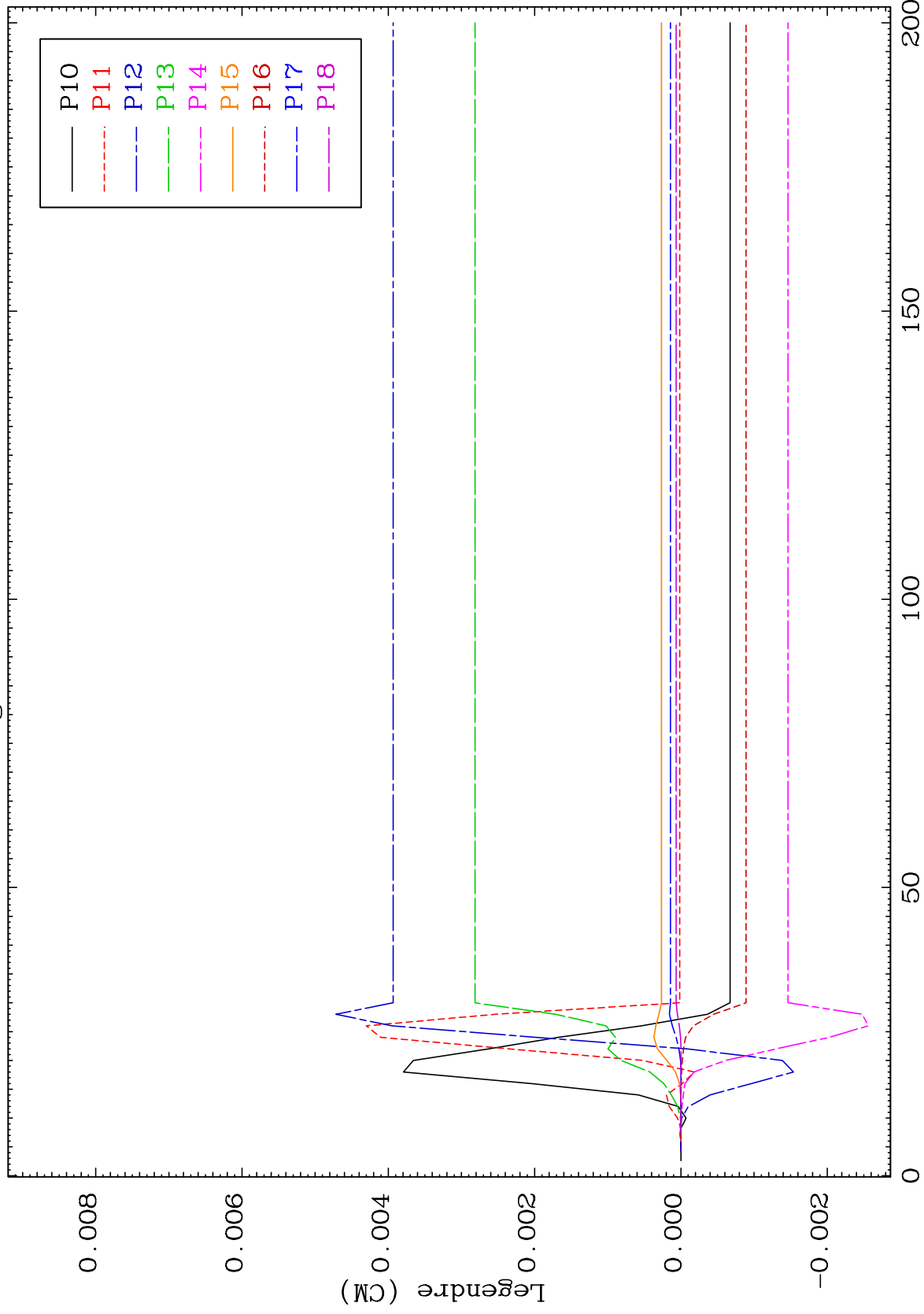
Incident Energy (MeV)

80

MAT 5470

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

54-Xe-139



81

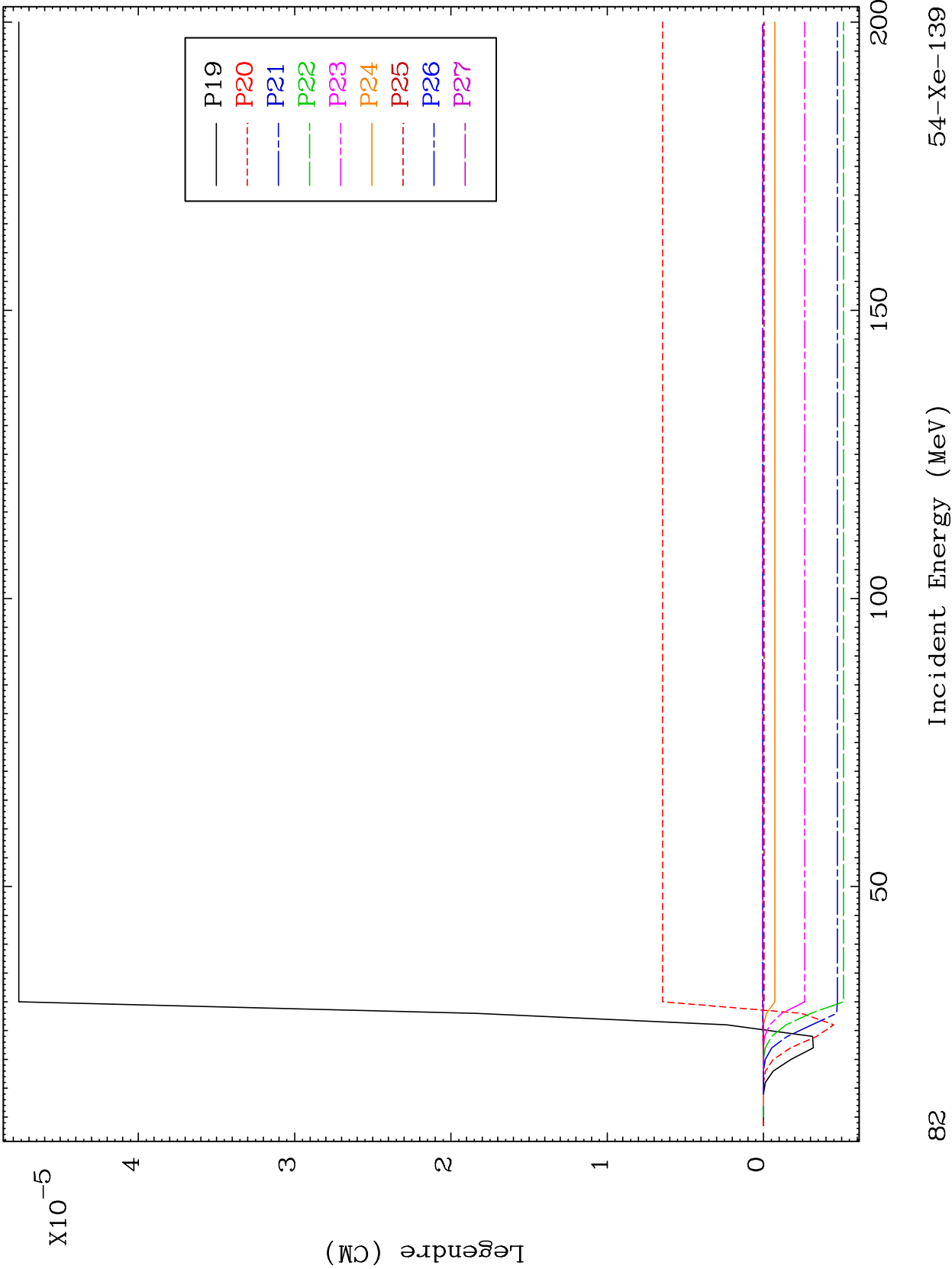
Incident Energy (MeV)

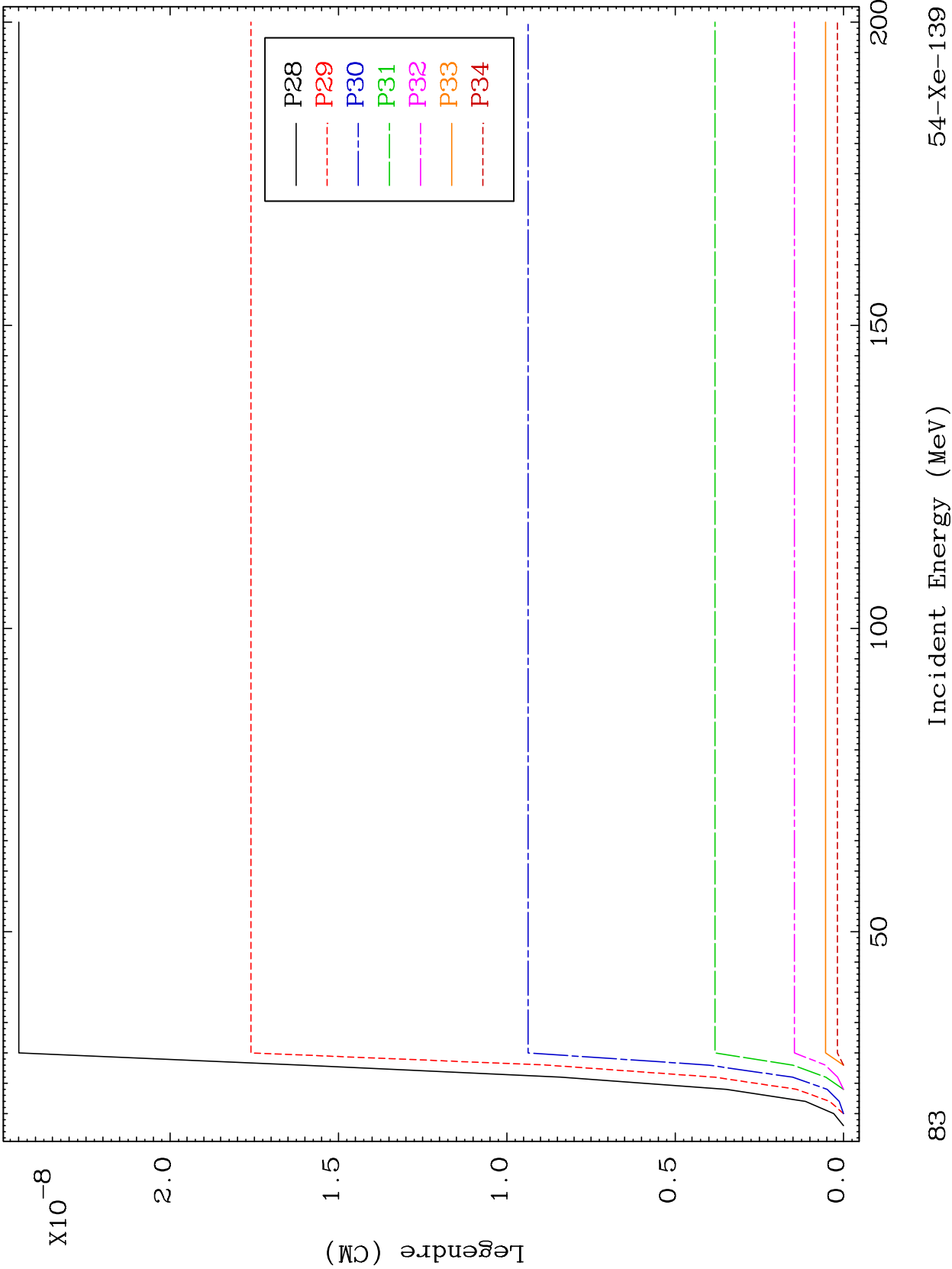
54-Xe-139

MAT 5470

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

54-Xe-139

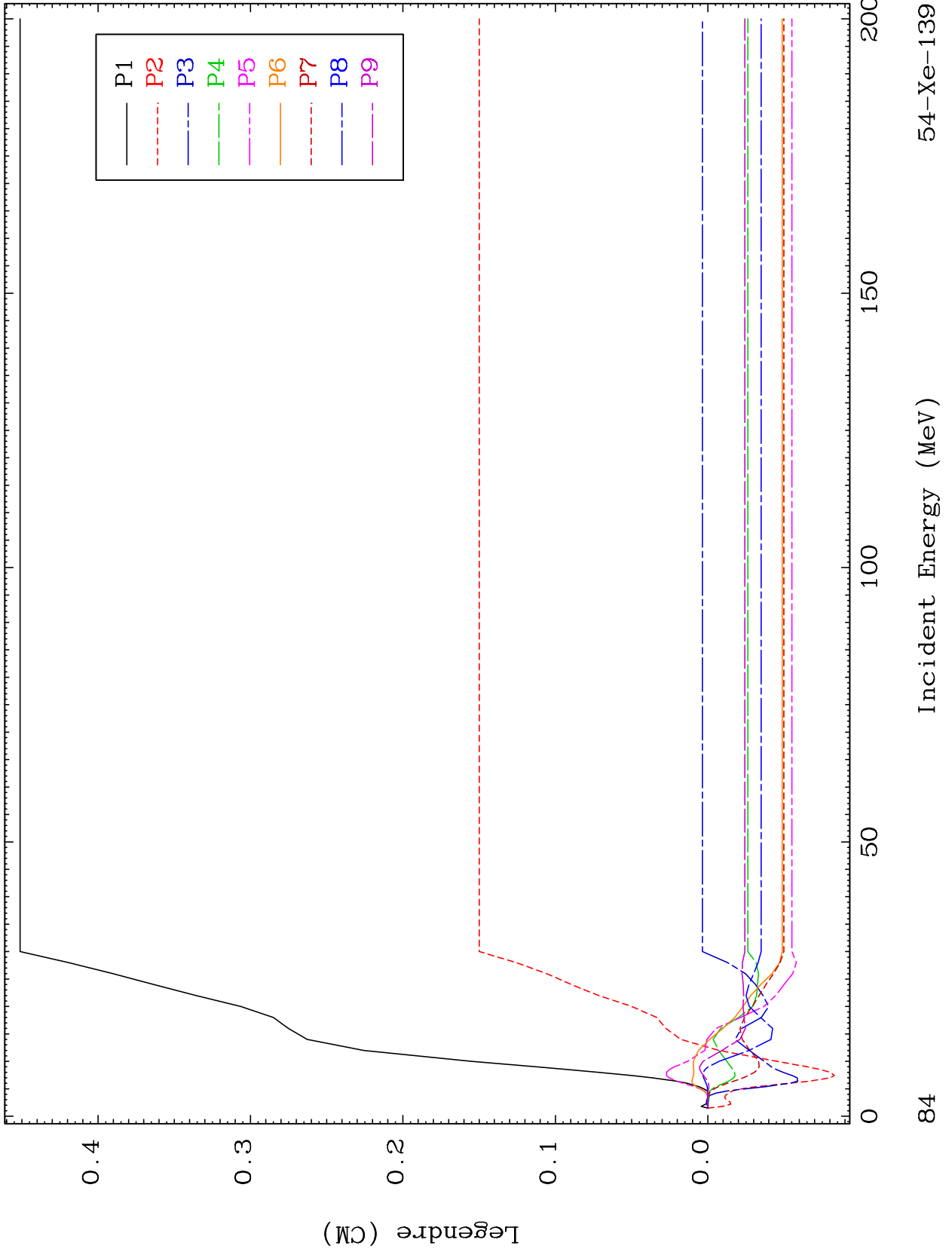




MAT 5470

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

54-Xe-139



54-Xe-139

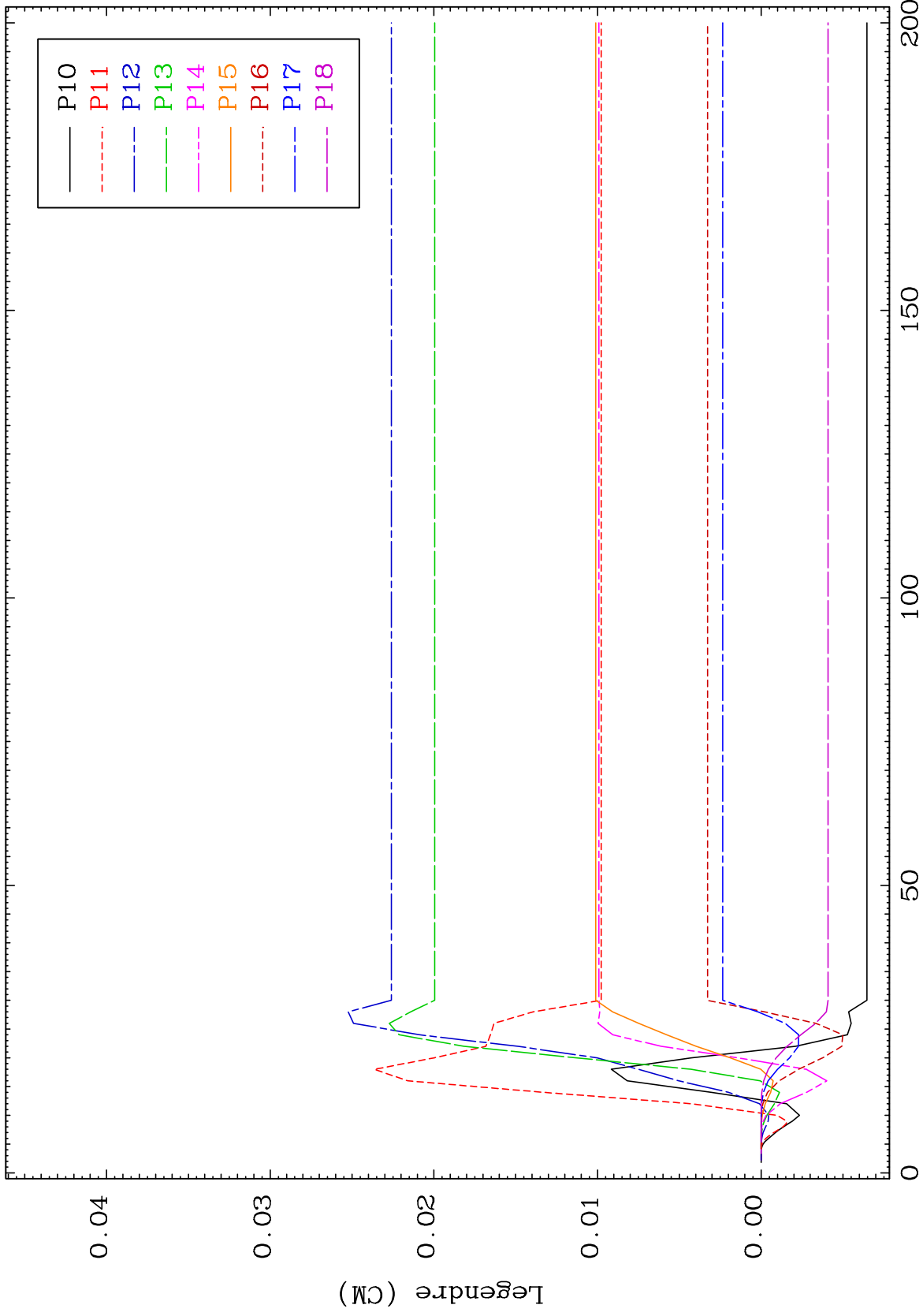
Incident Energy (MeV)

84

MAT 5470

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

54-Xe-139



85

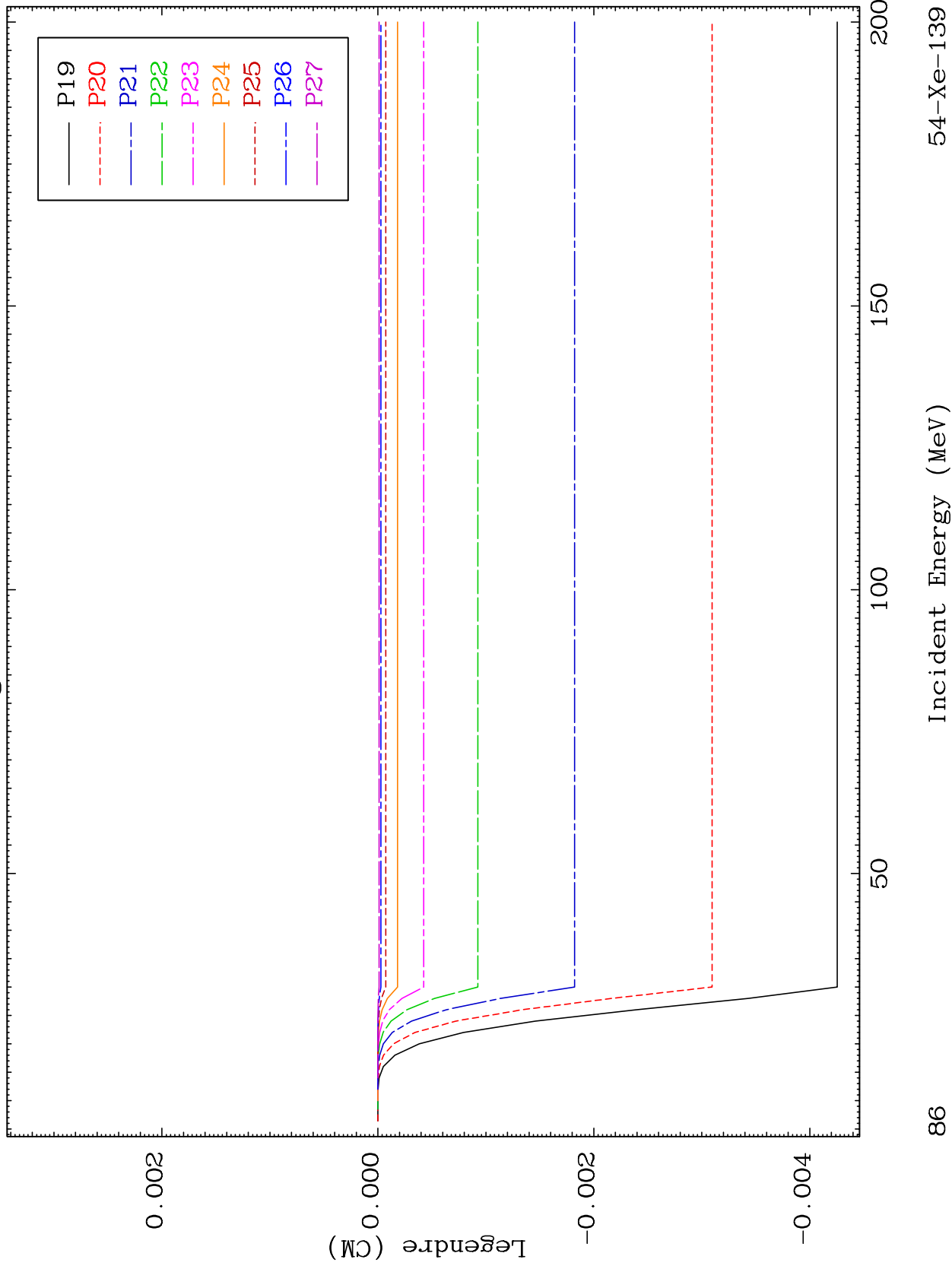
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



86

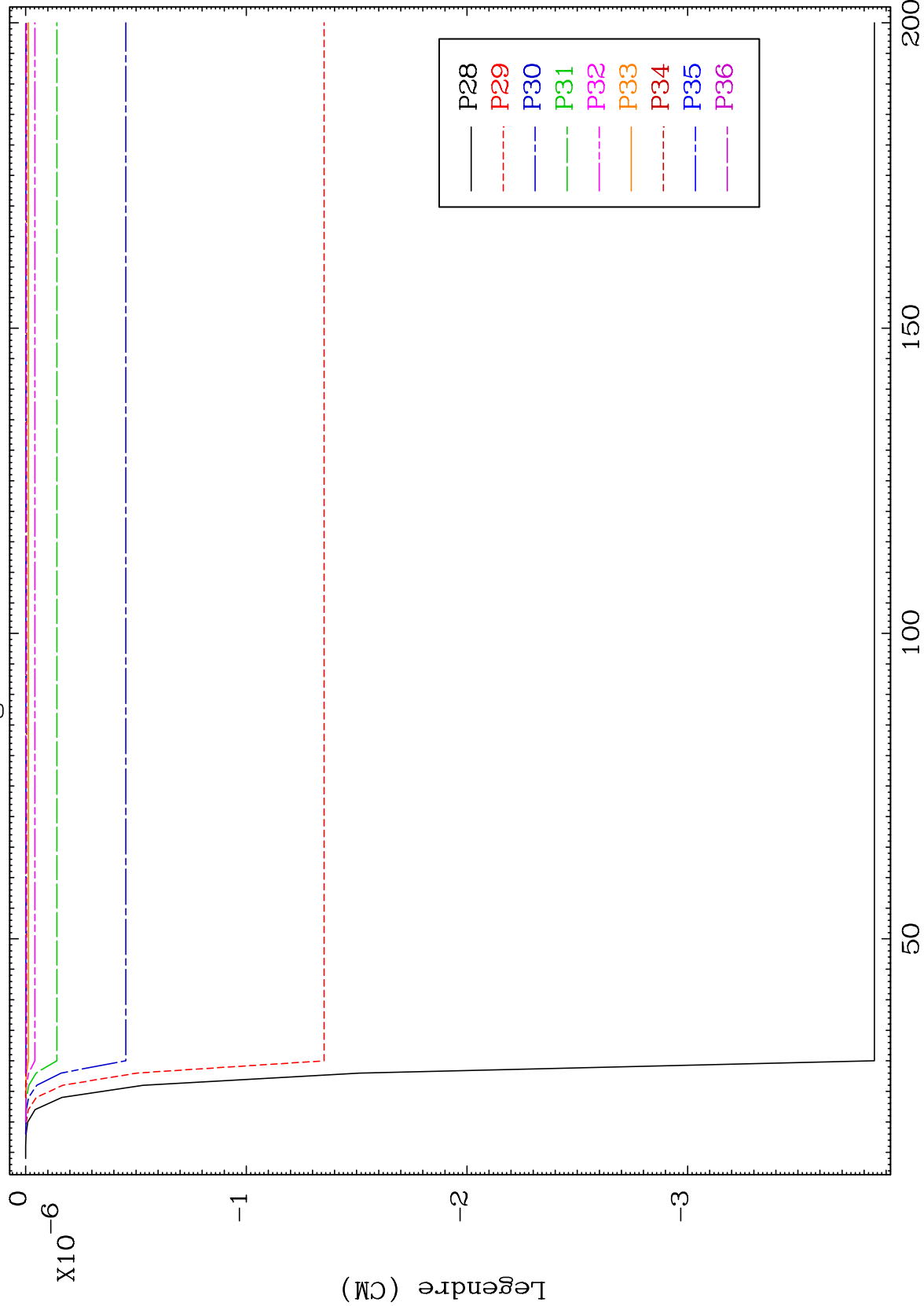
54-Xe-139

MAT 5470

MT= 67 (n,n') Level

54-Xe-139

Legendre Coefficients



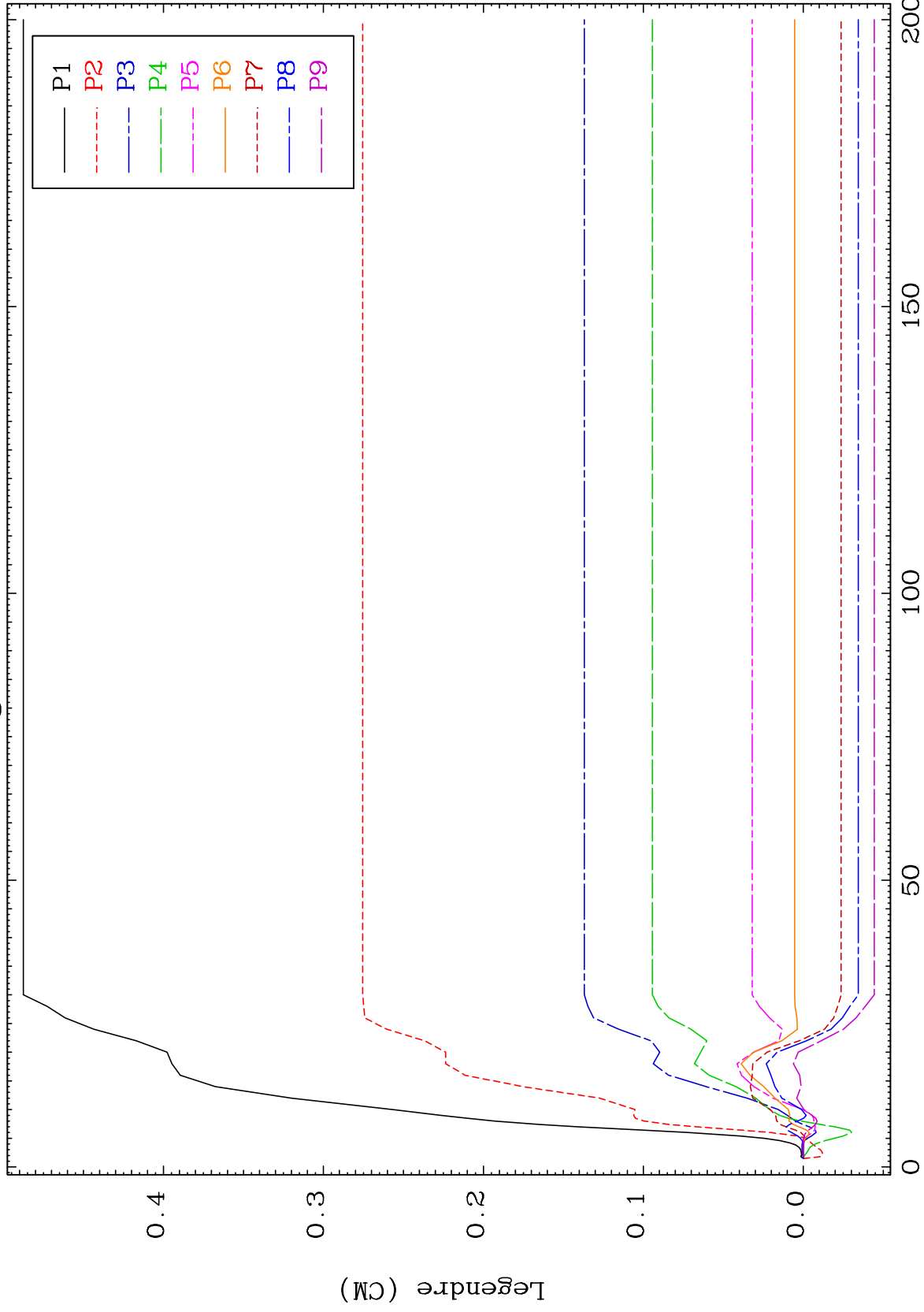
87

54-Xe-139

MAT 5470

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

54-Xe-139



54-Xe-139

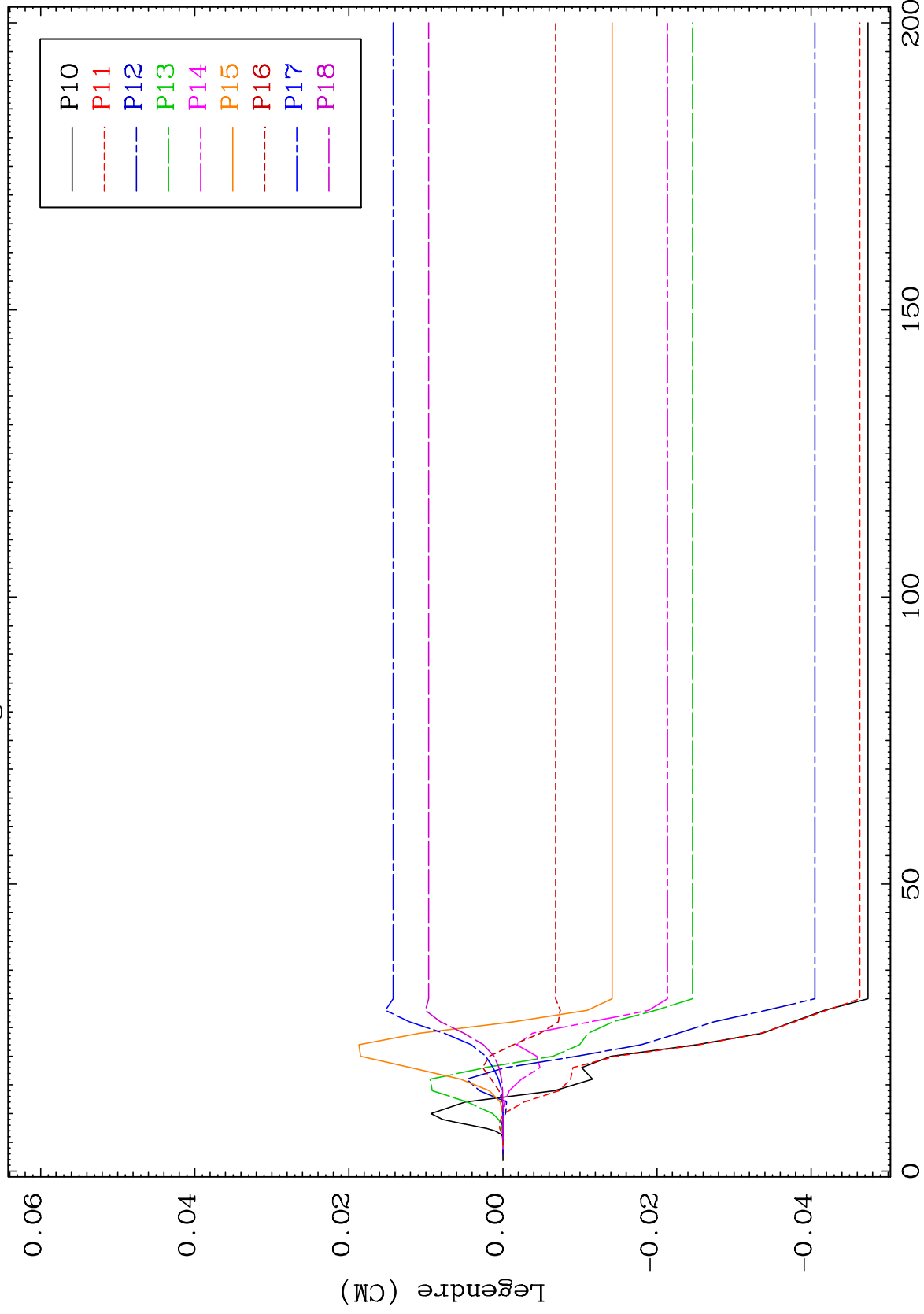
Incident Energy (MeV)

88

MAT 5470

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

54-Xe-139



89

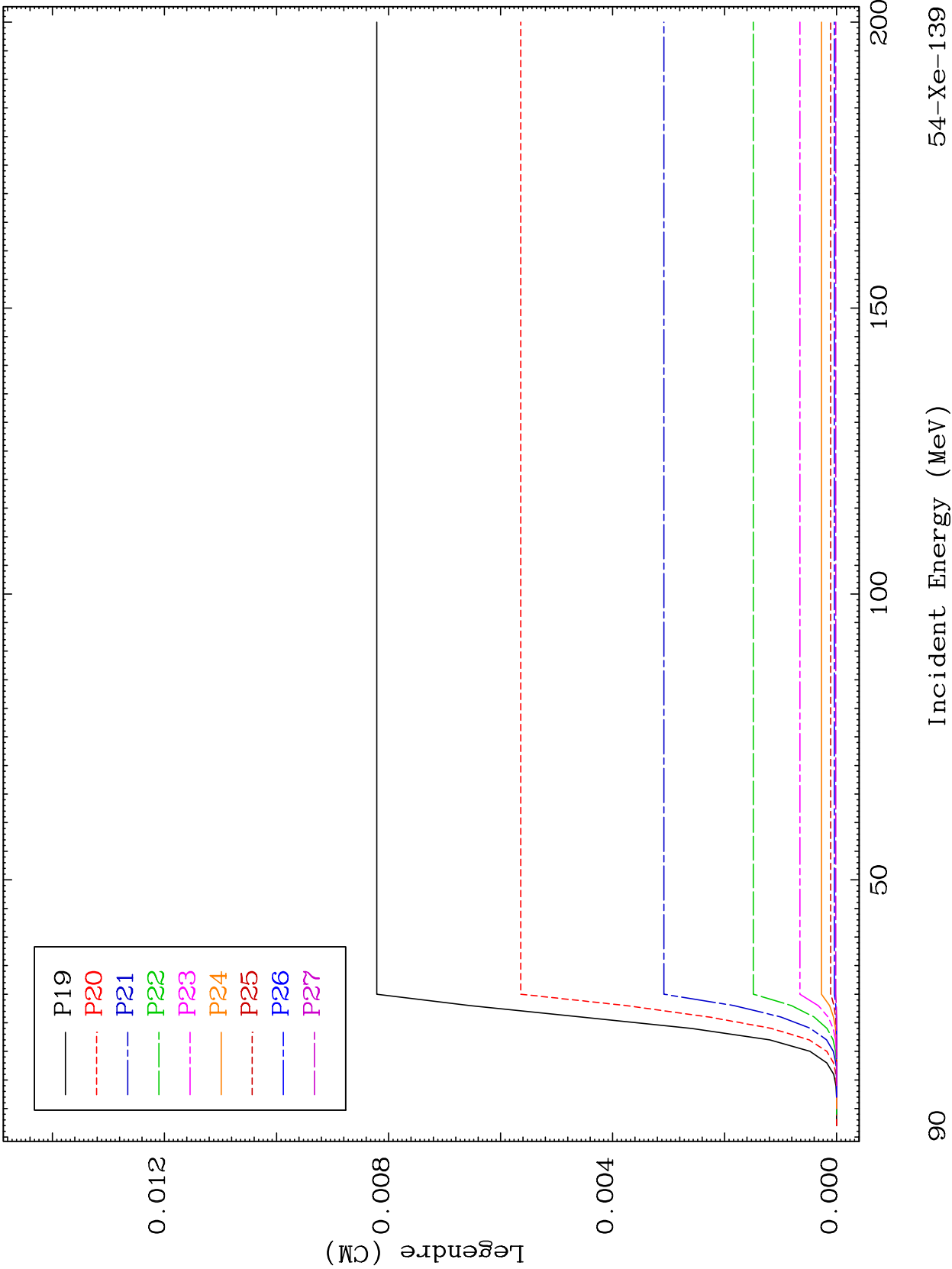
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



90

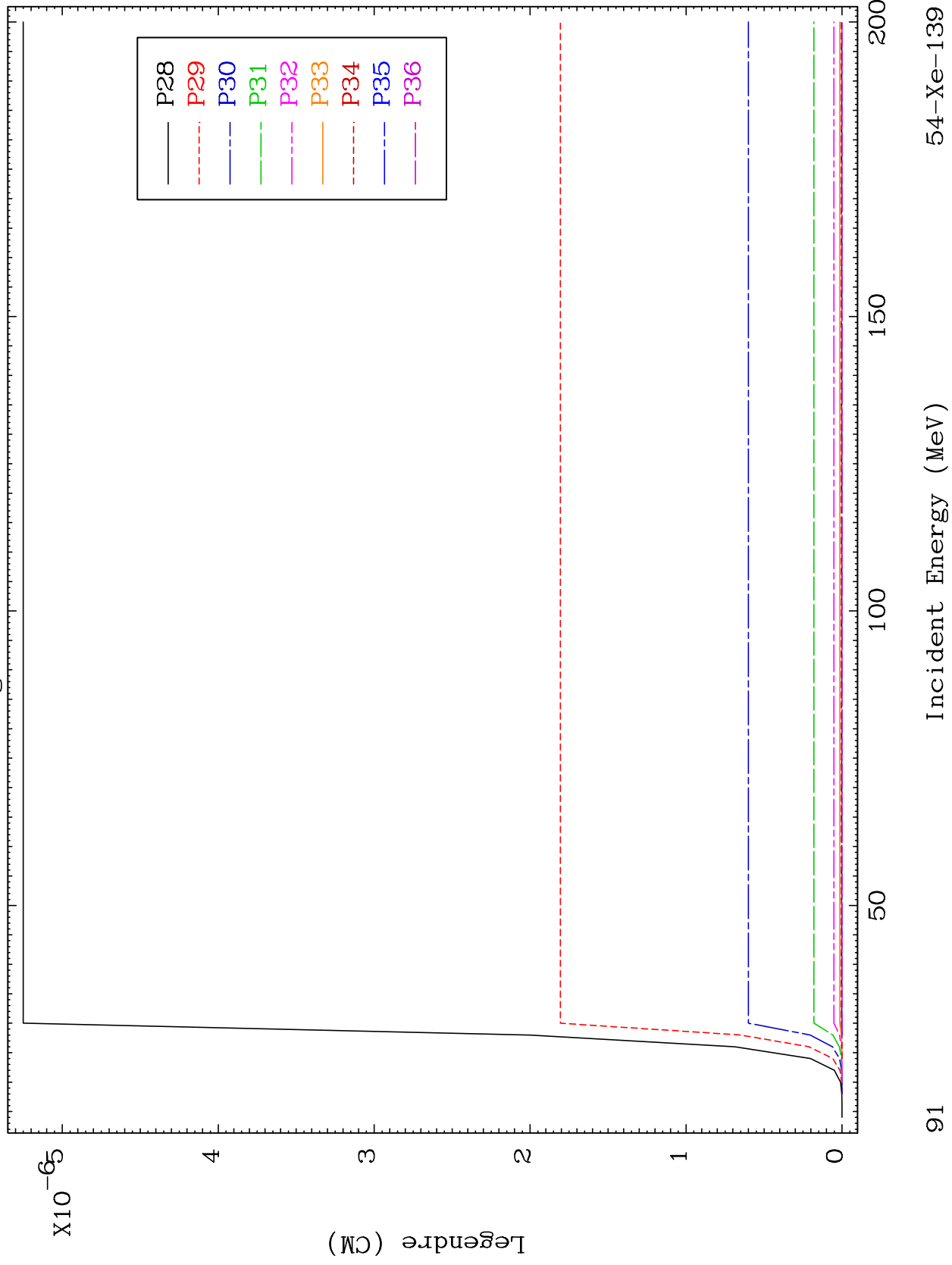
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

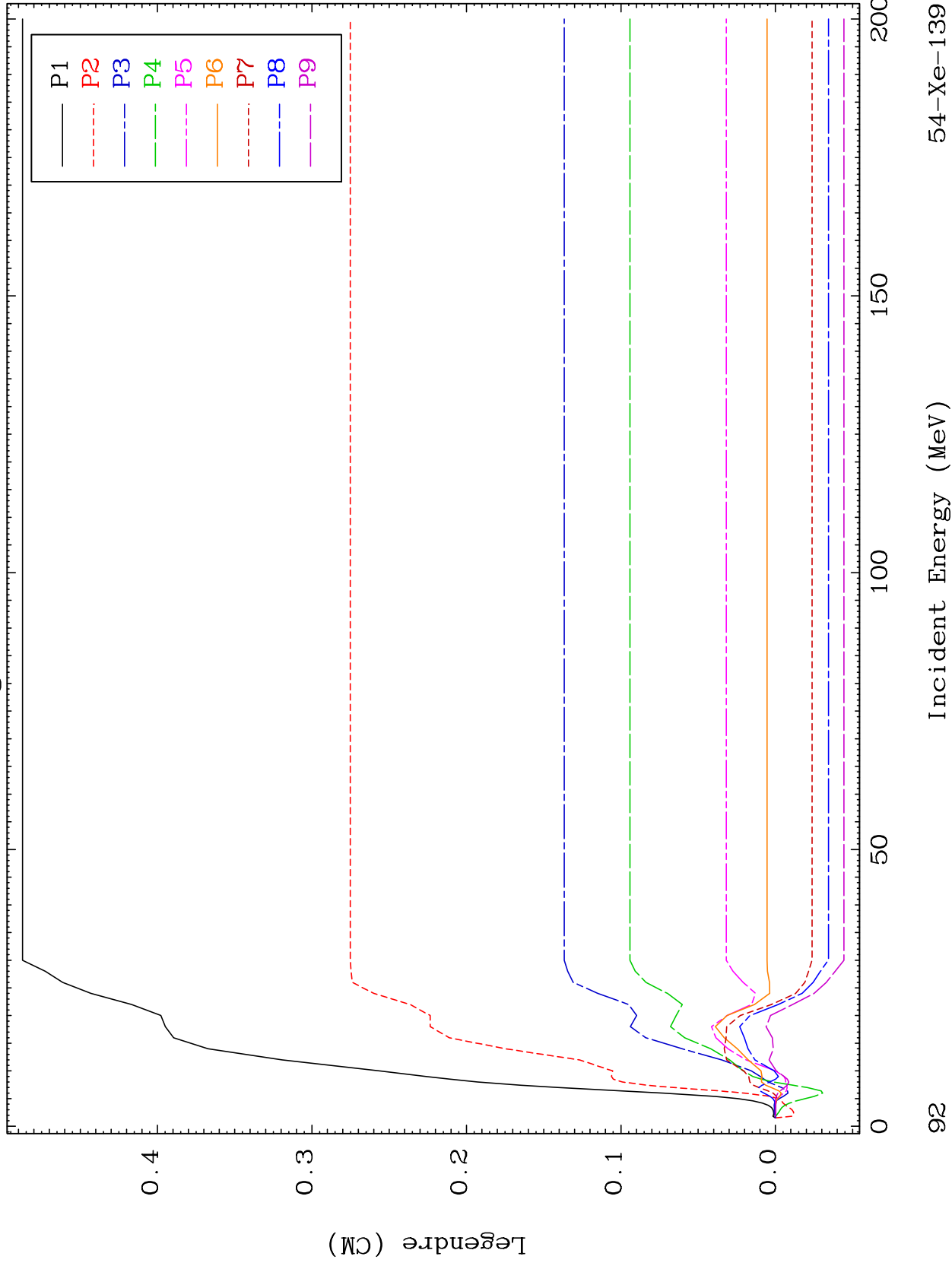
54-Xe-139



MAT 5470

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

54-Xe-139



54-Xe-139

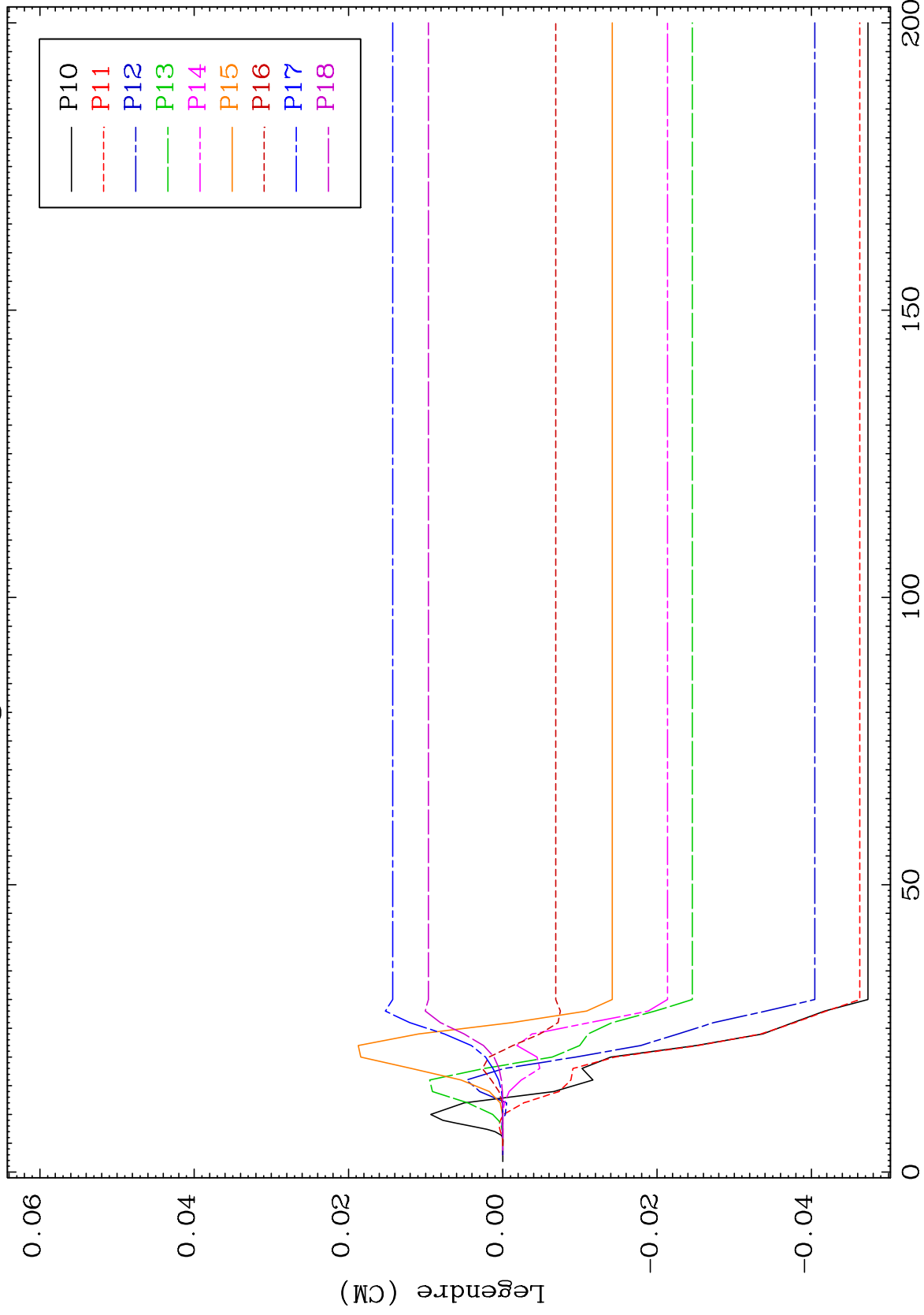
Incident Energy (MeV)

92

MAT 5470

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

54-Xe-139



93

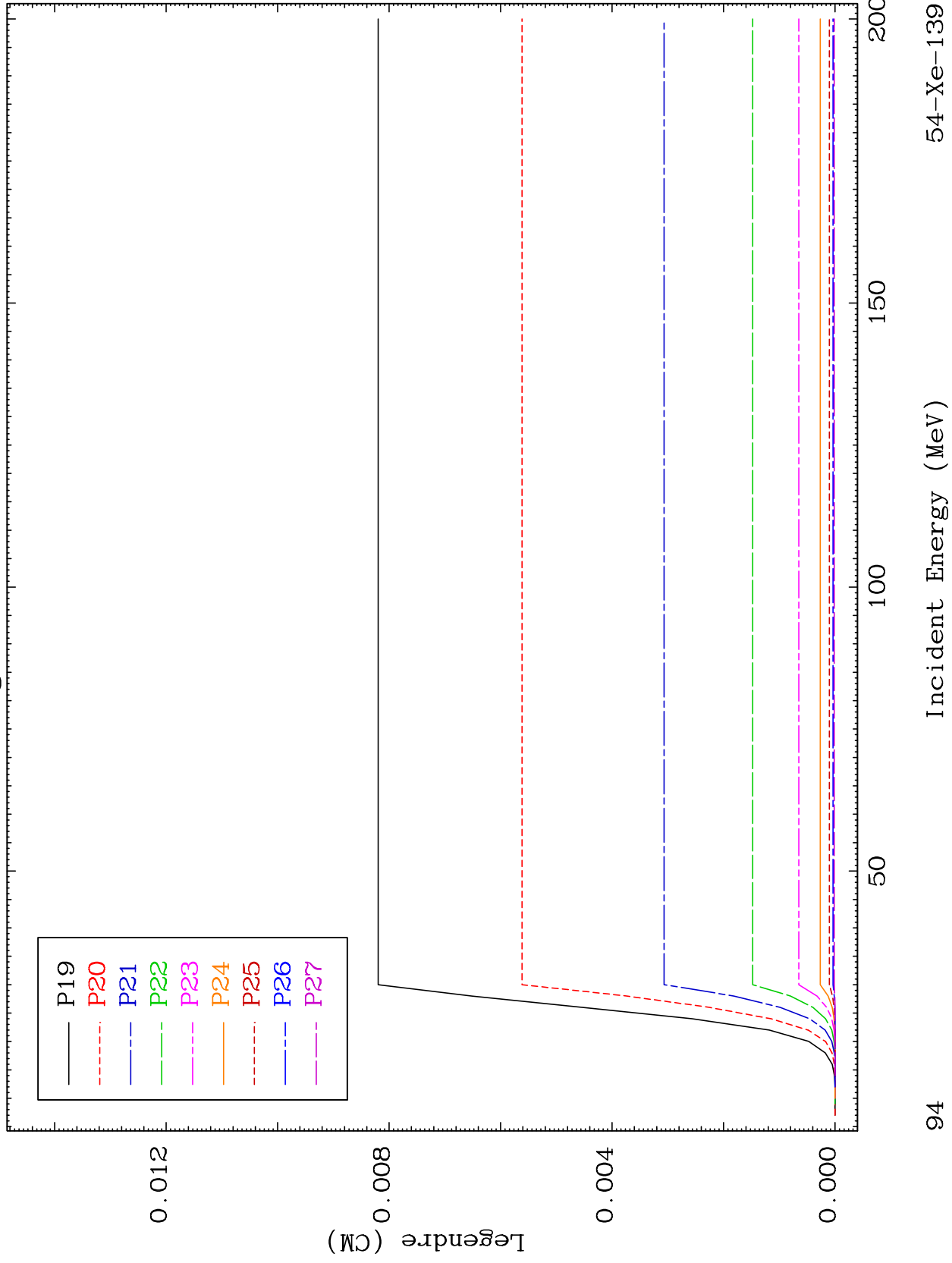
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



94

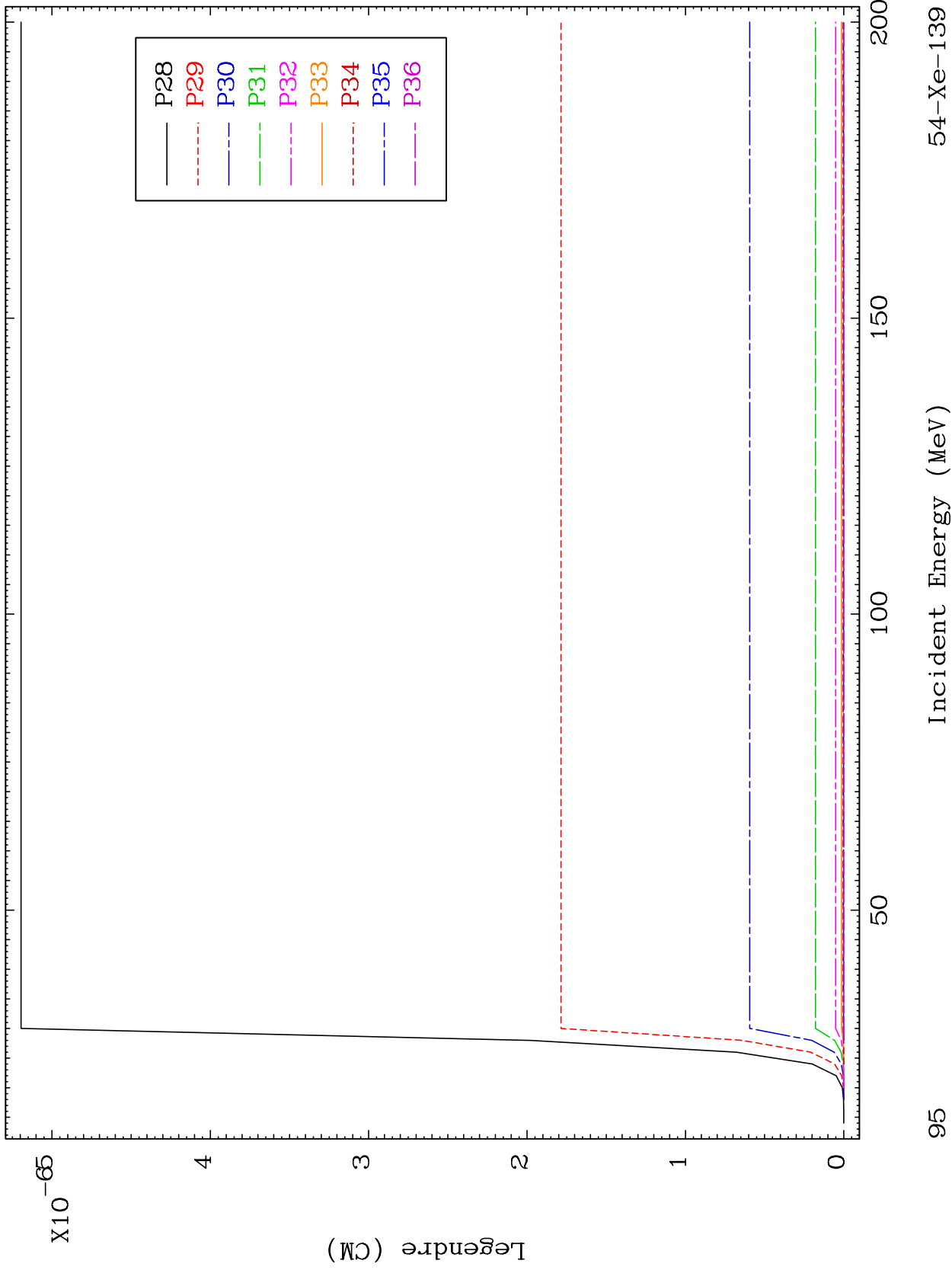
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



95

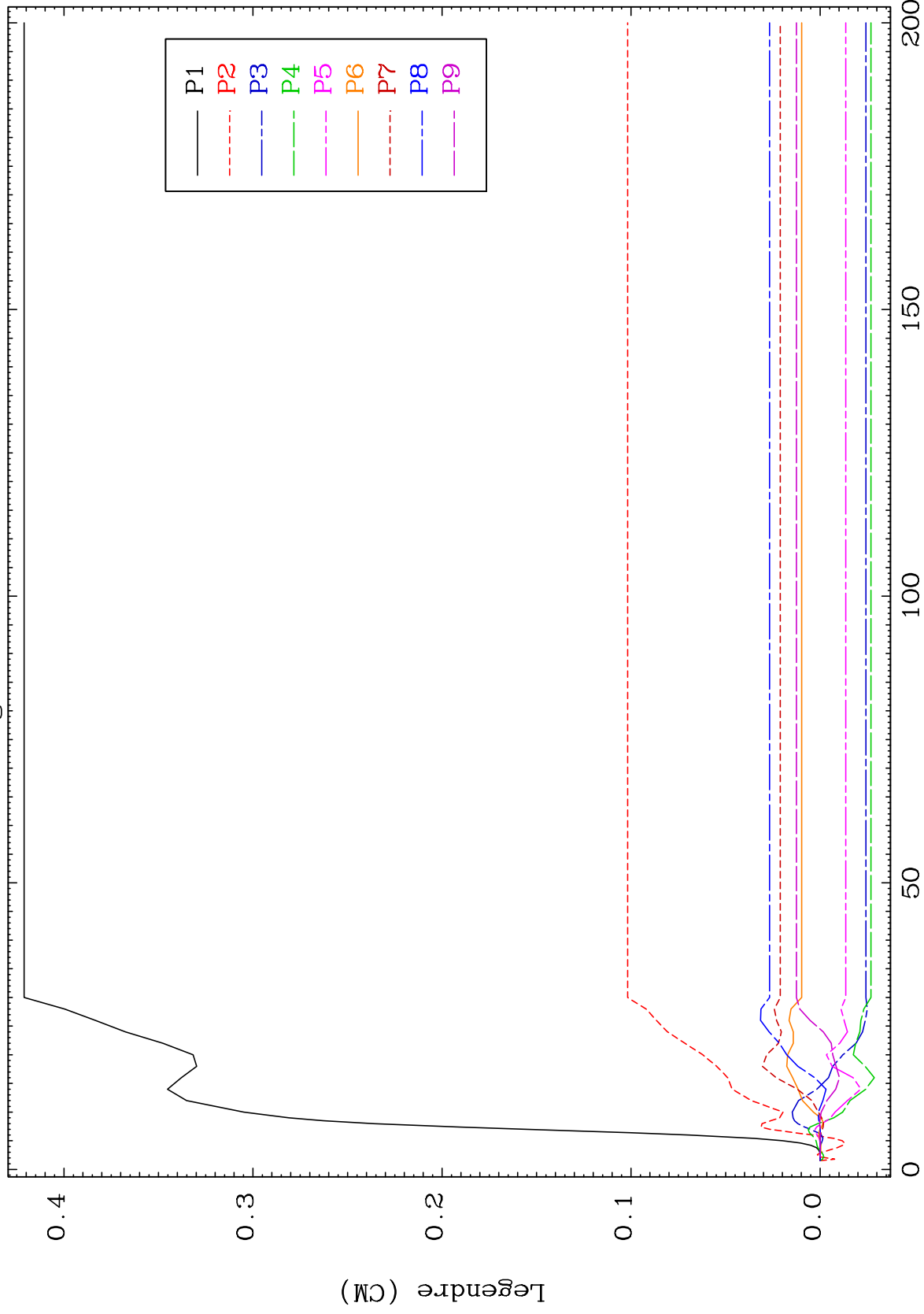
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139



96

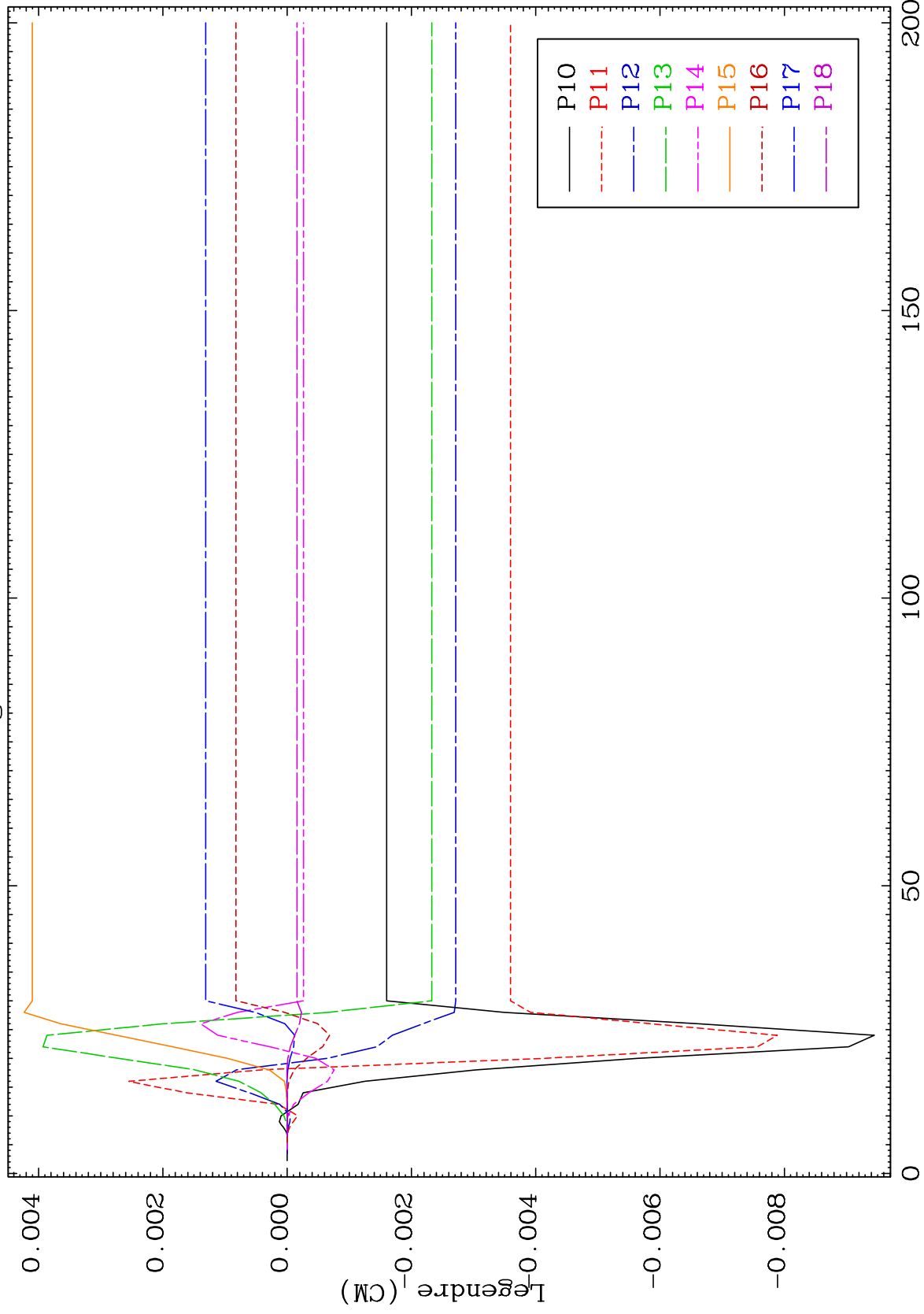
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

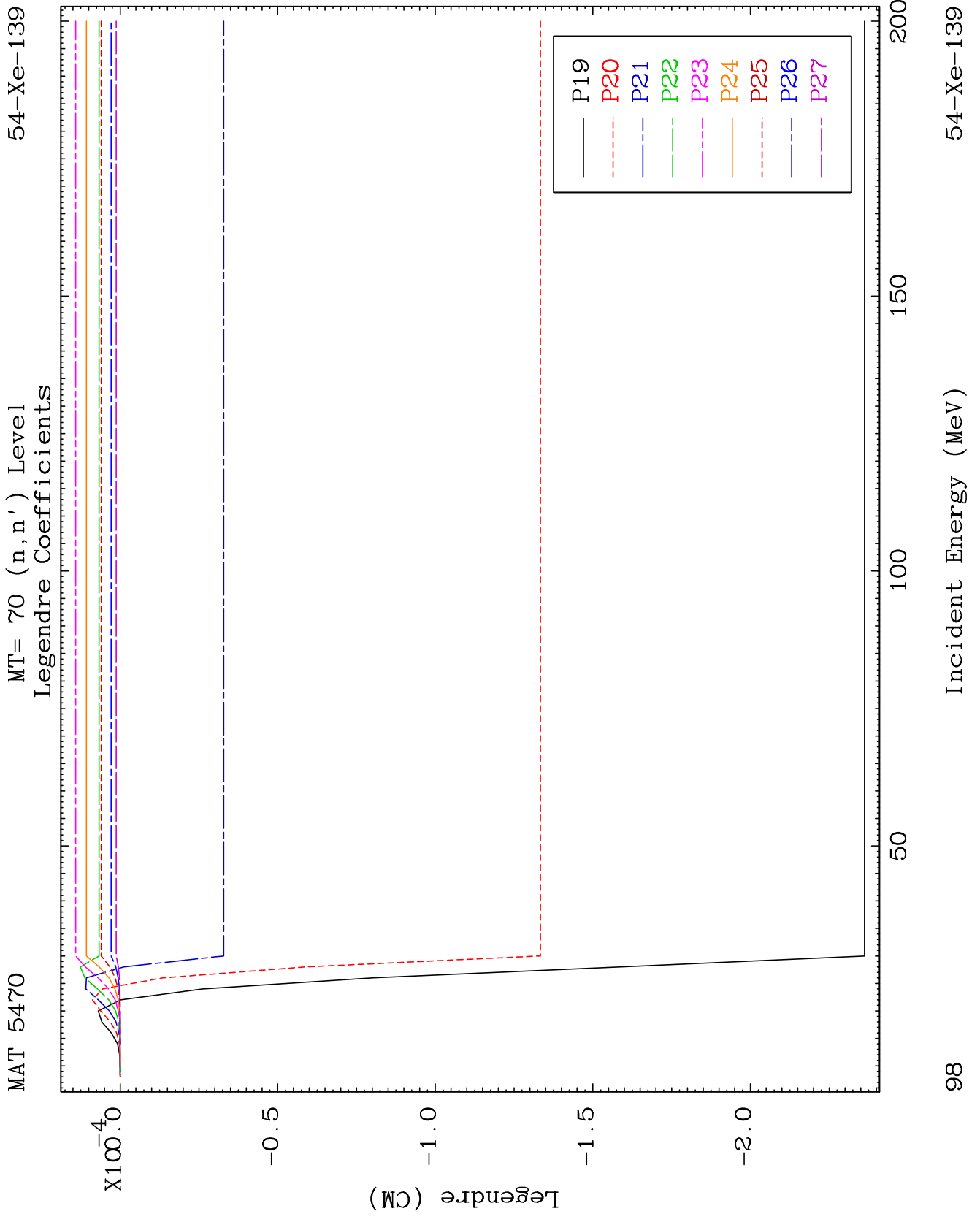
54-Xe-139



97

Incident Energy (MeV)

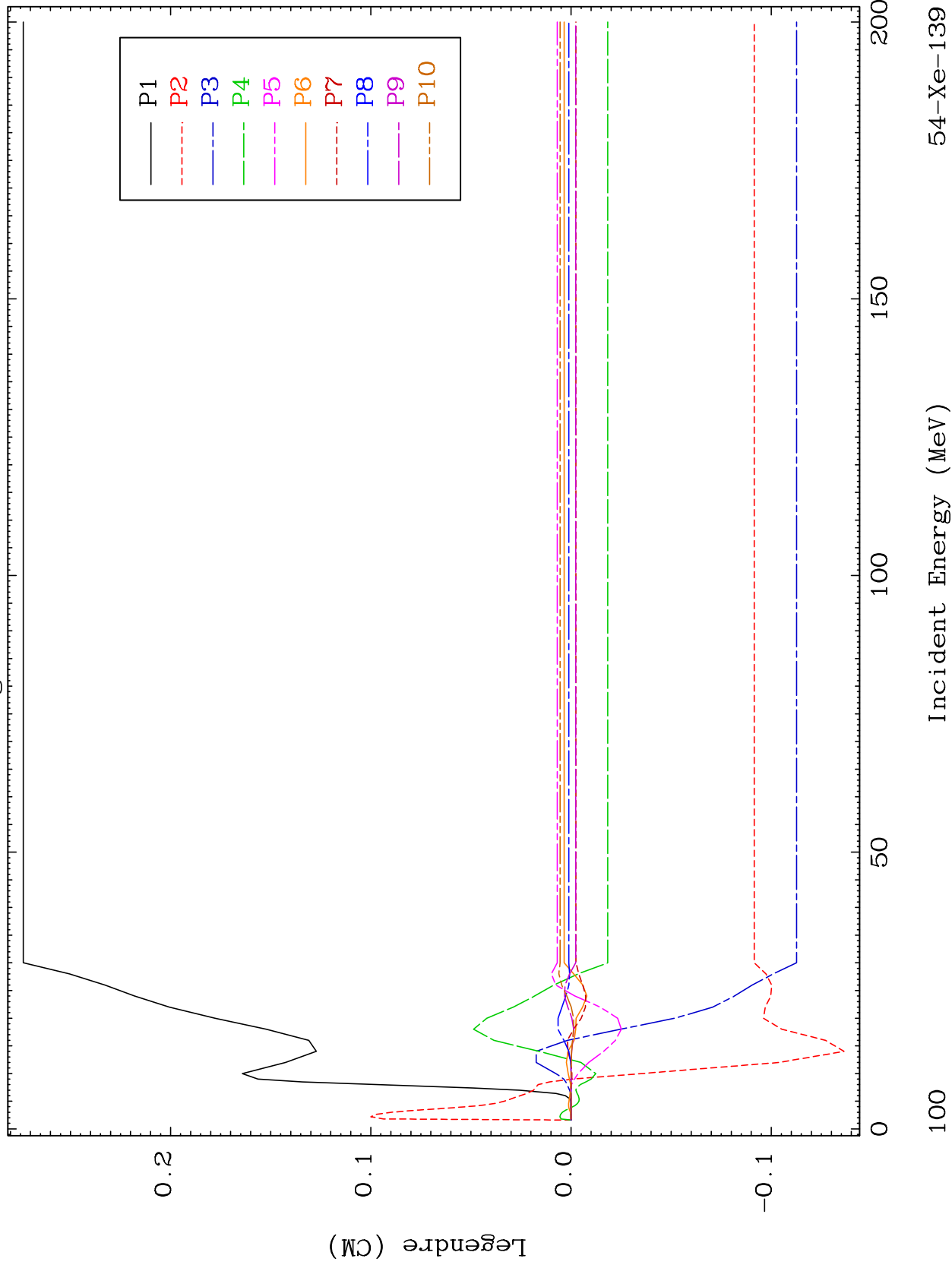
54-Xe-139



MAT 5470

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

54-Xe-139



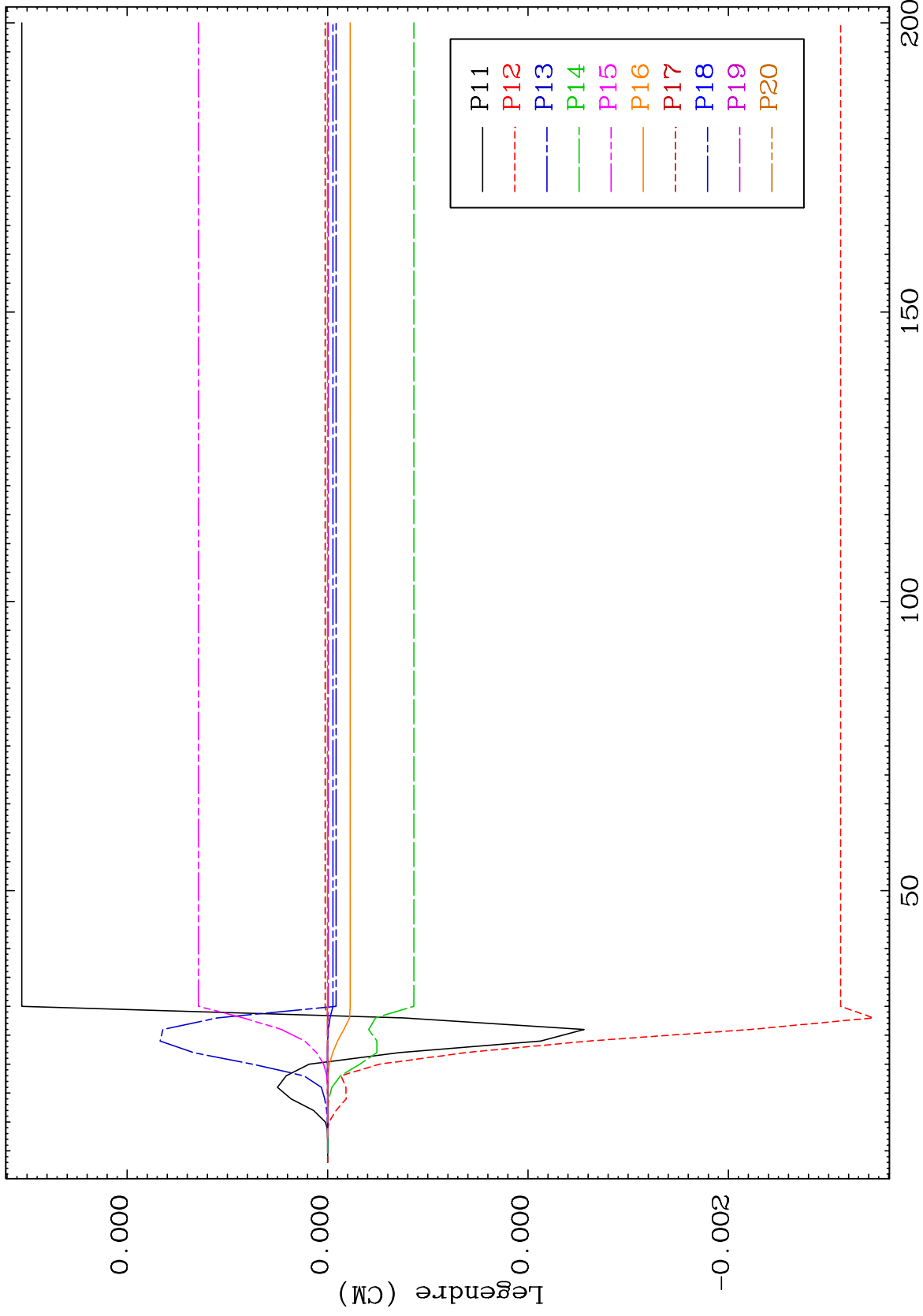
54-Xe-139

Incident Energy (MeV)

MAT 5470

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

54-Xe-139



101

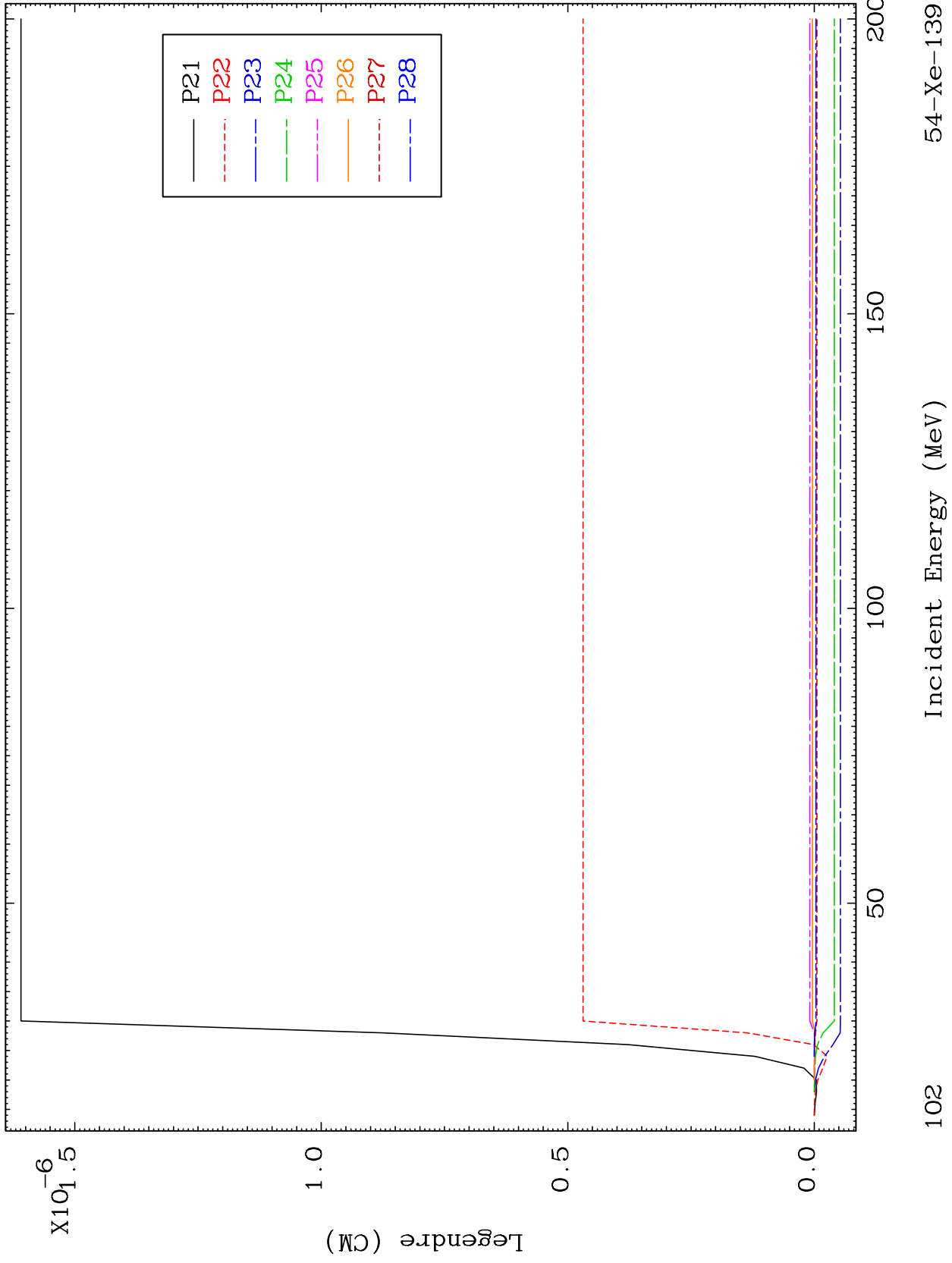
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

54-Xe-139

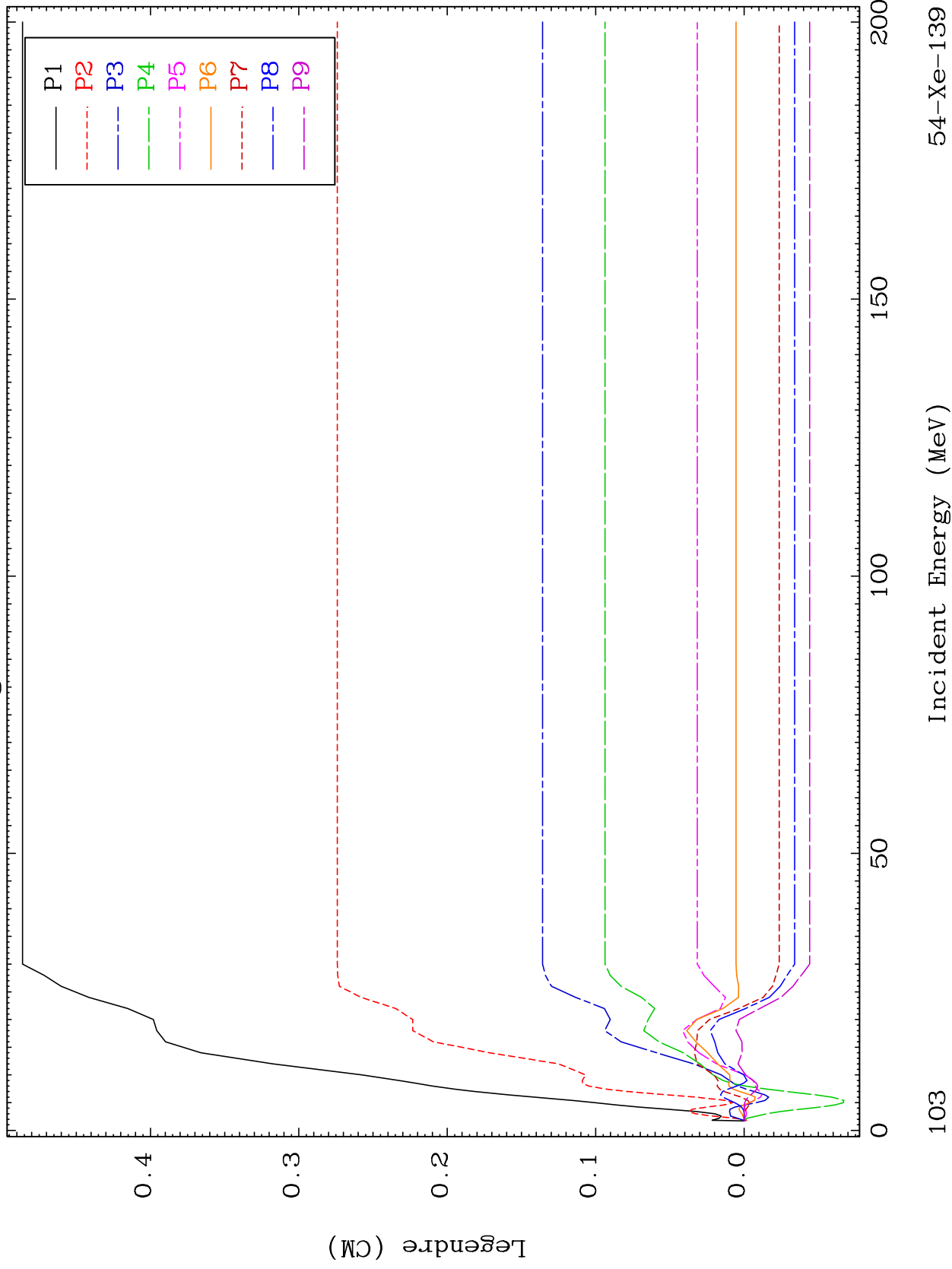


102

MAT 5470

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

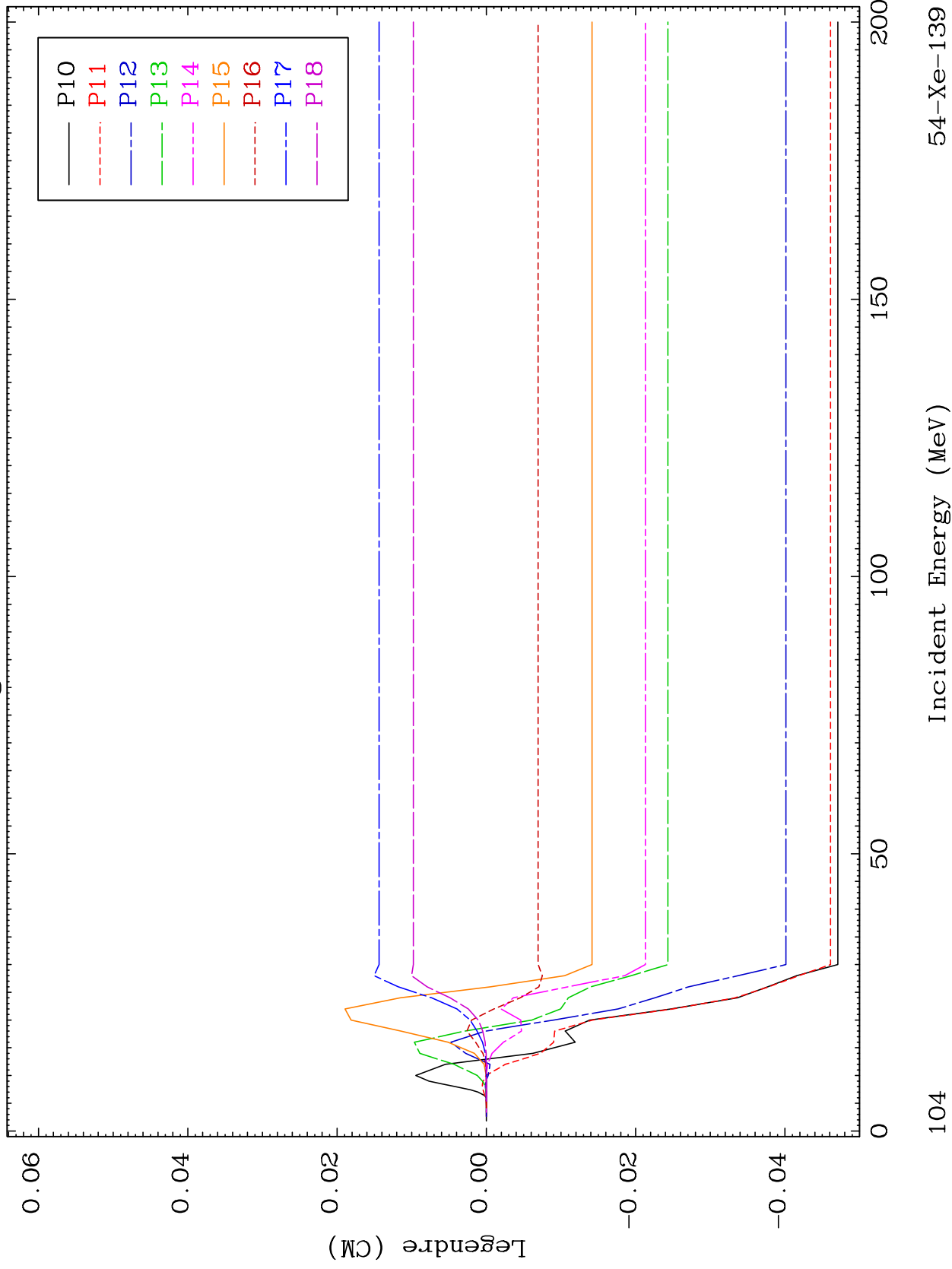
54-Xe-139



MAT 5470

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

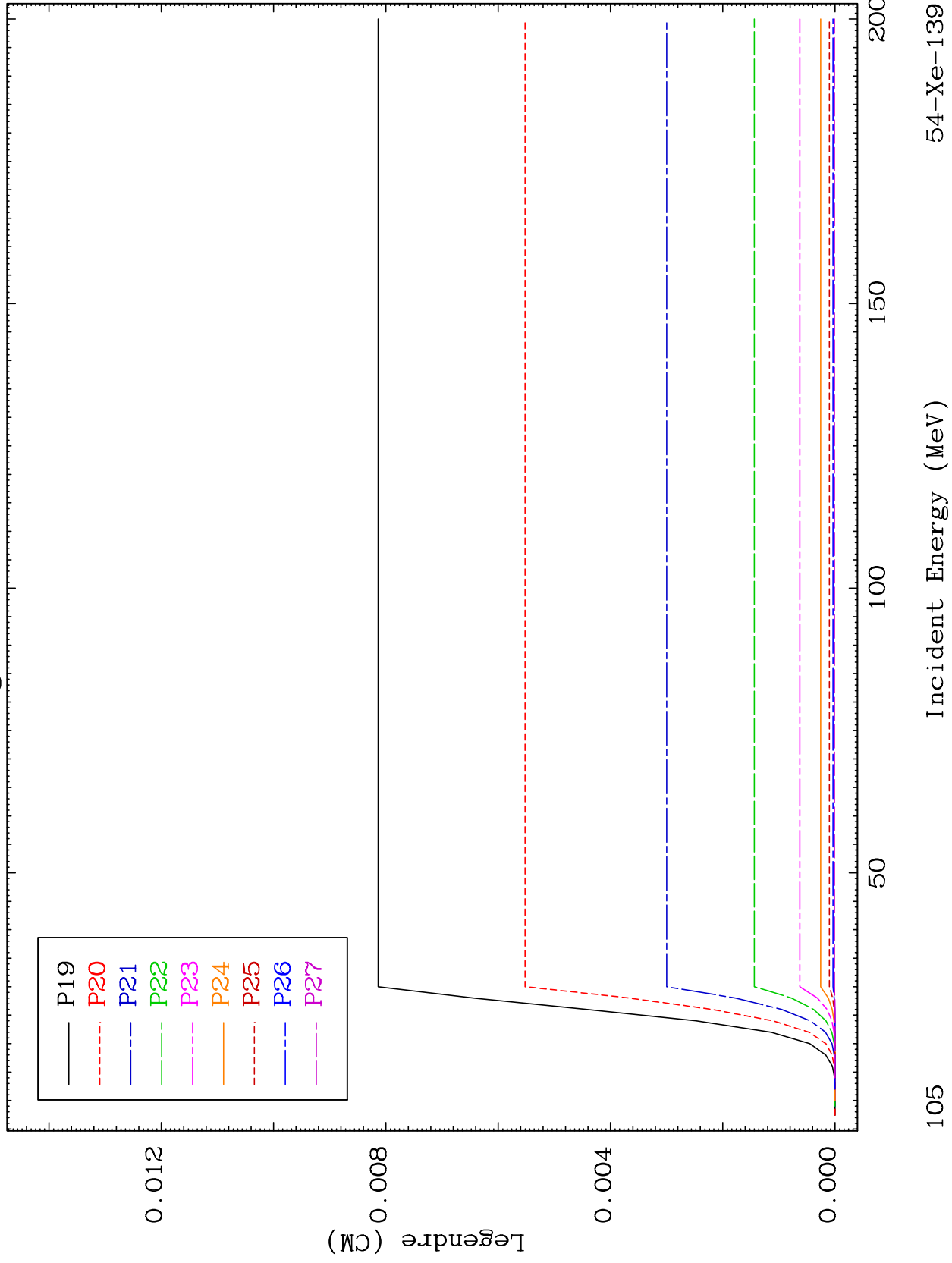
54-Xe-139



MAT 5470

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

54-Xe-139



105

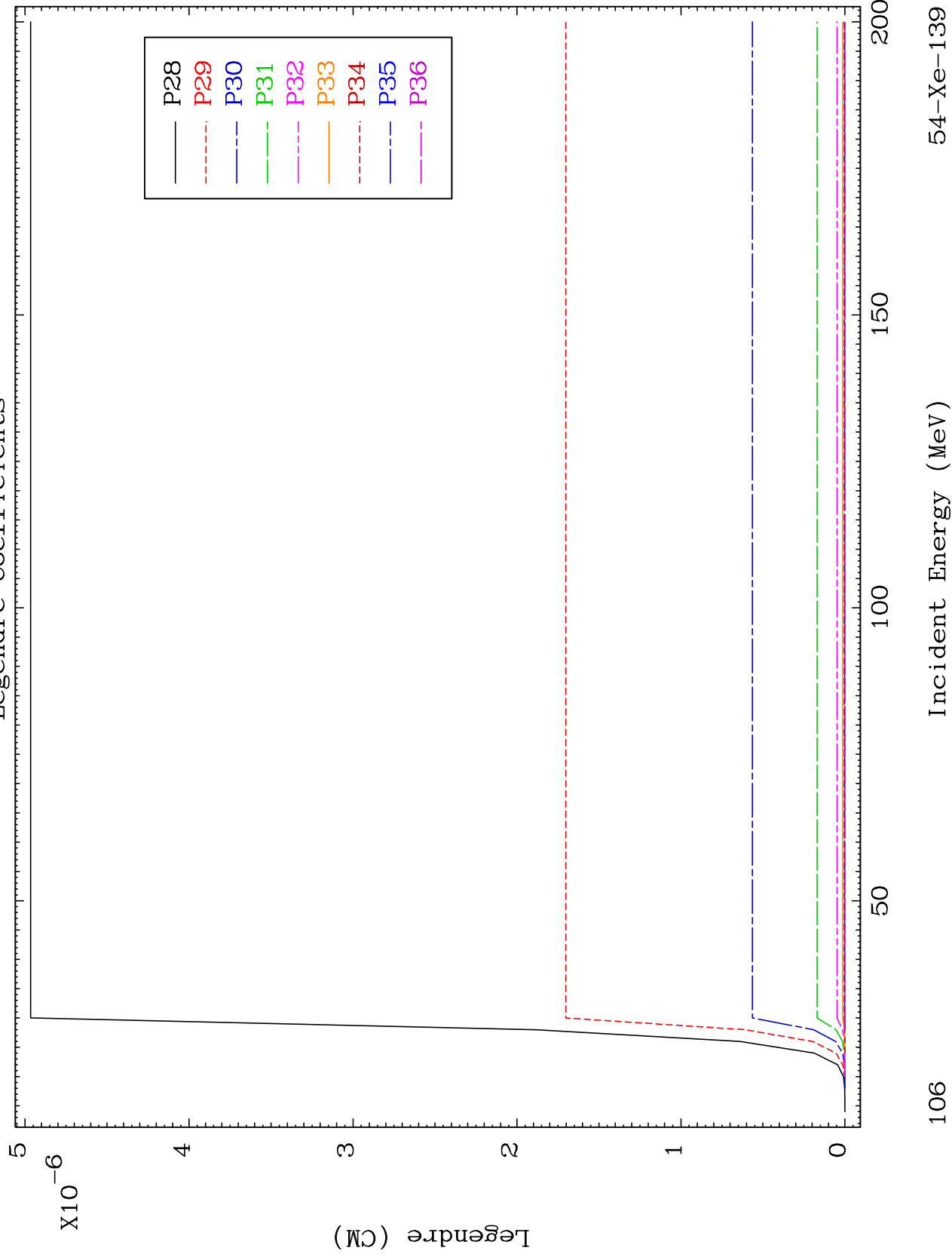
Incident Energy (MeV)

54-Xe-139

MAT 5470

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

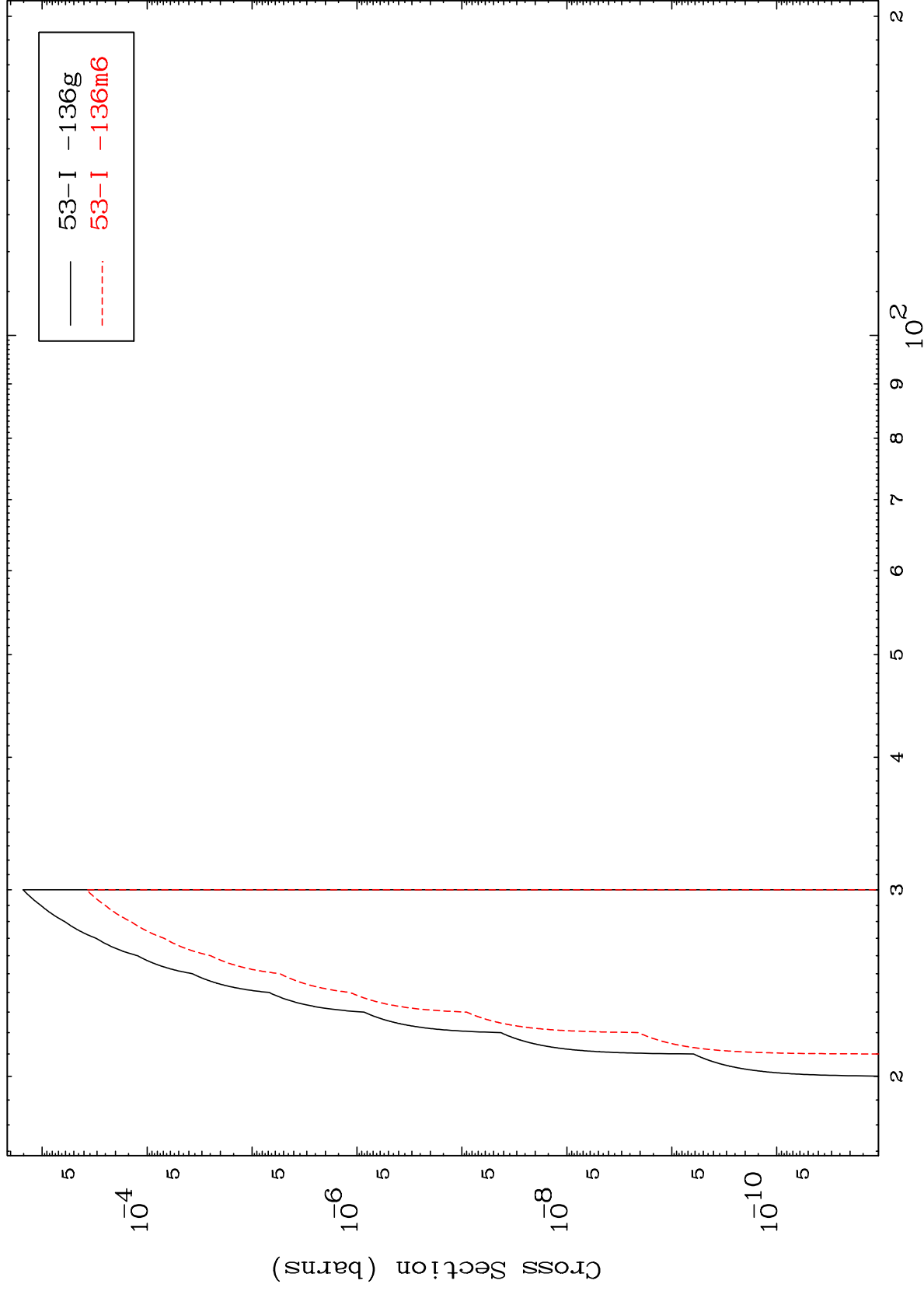
54-Xe-139



MAT 5470

54-Xe-139

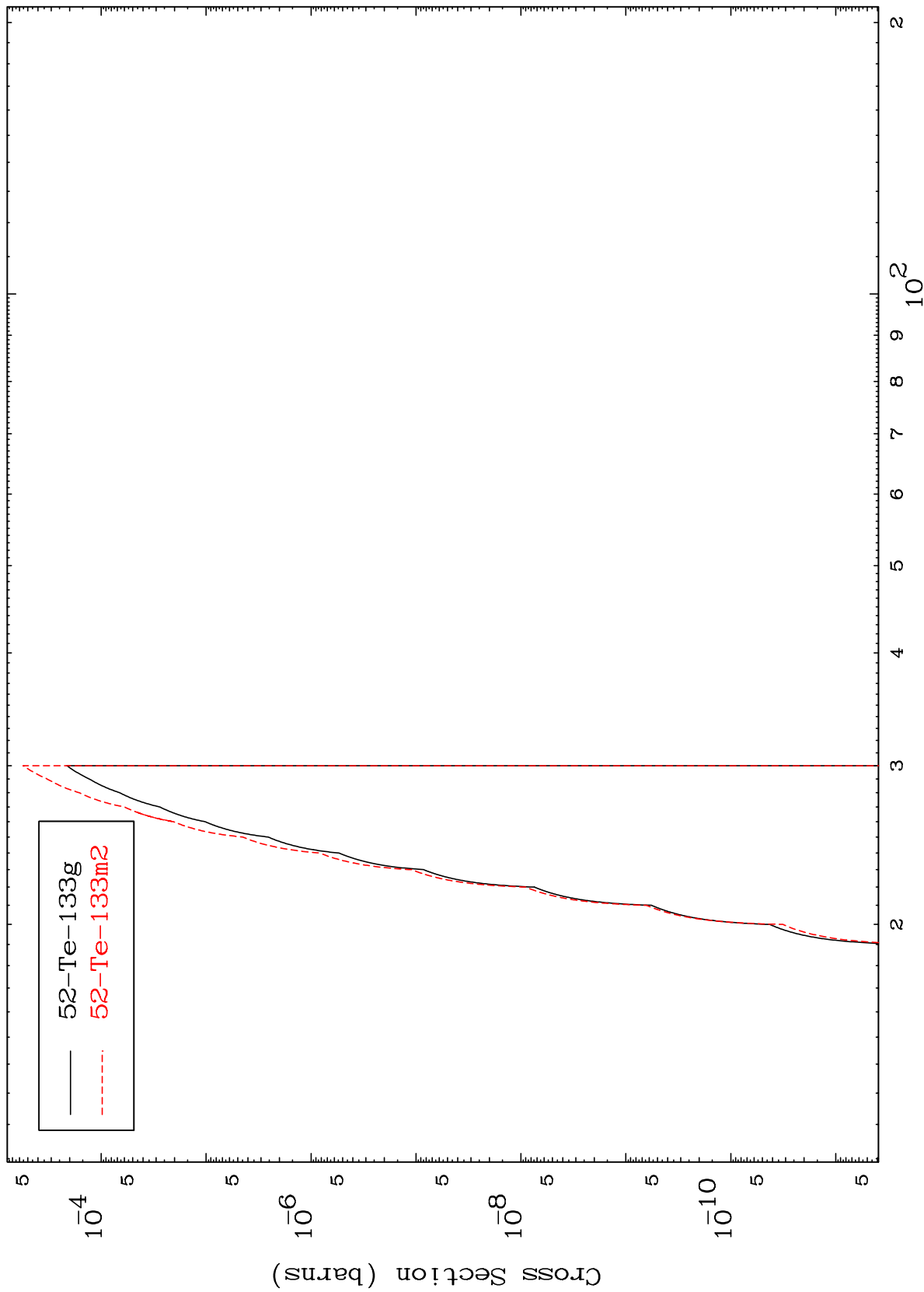
(n,2n) d
Radionuclide Production Cross Section



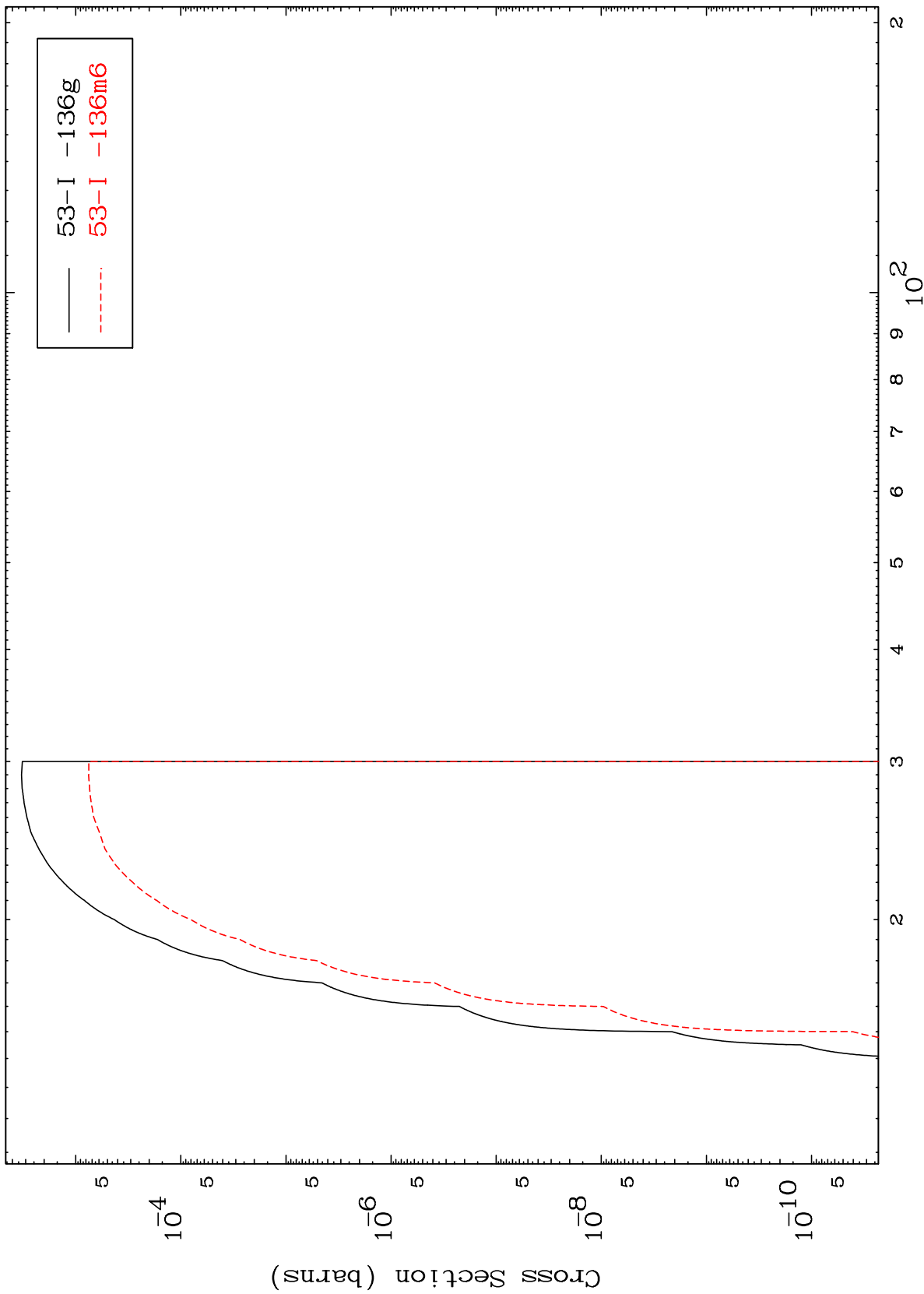
107

54-Xe-139

Radionuclide Production Cross Section



Radionuclide Production Cross Section

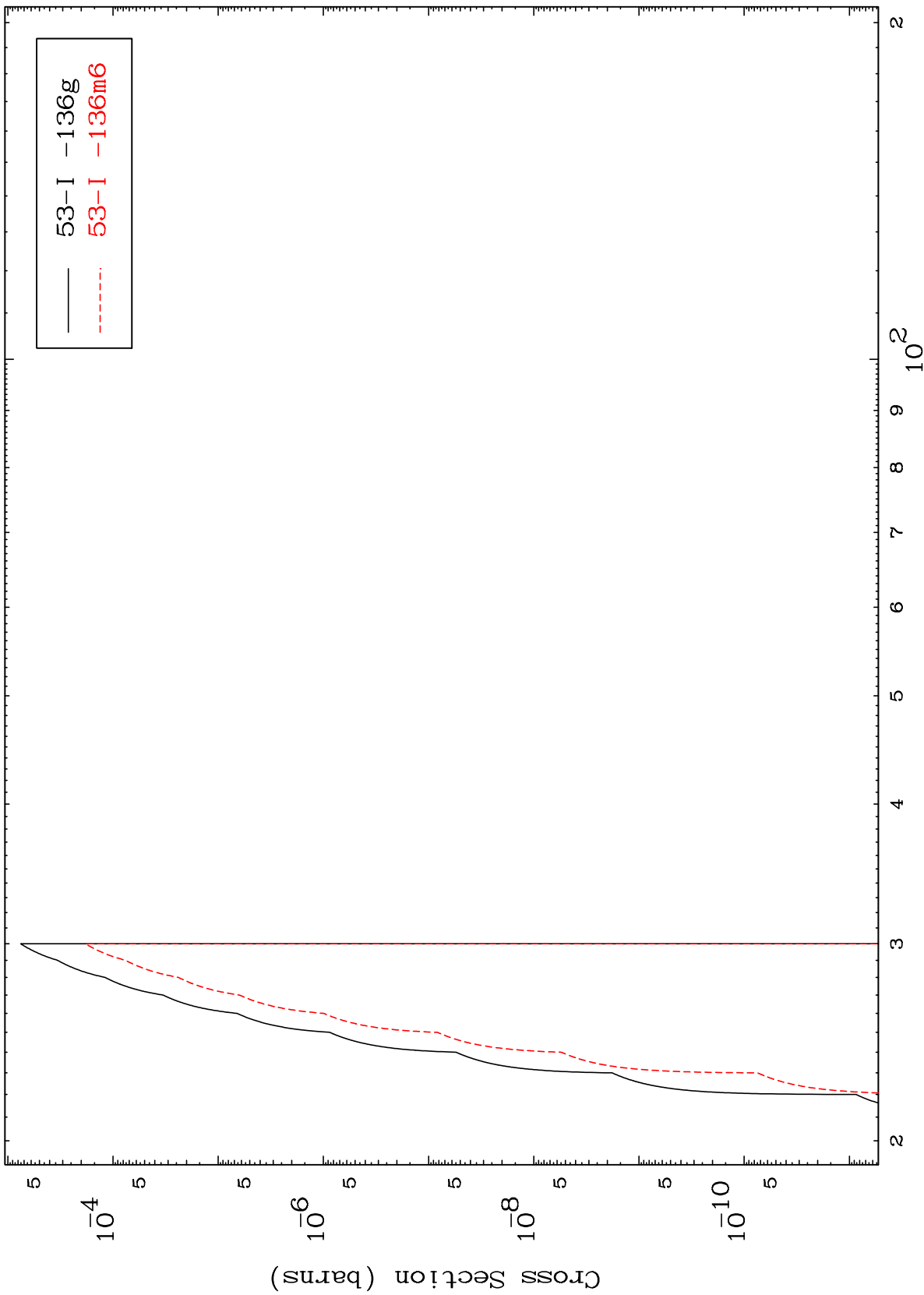


MAT 5470

(n,3n) p

54-Xe-139

Radionuclide Production Cross Section



53-I -136g
53-I -136m6

110

Incident Energy (MeV)

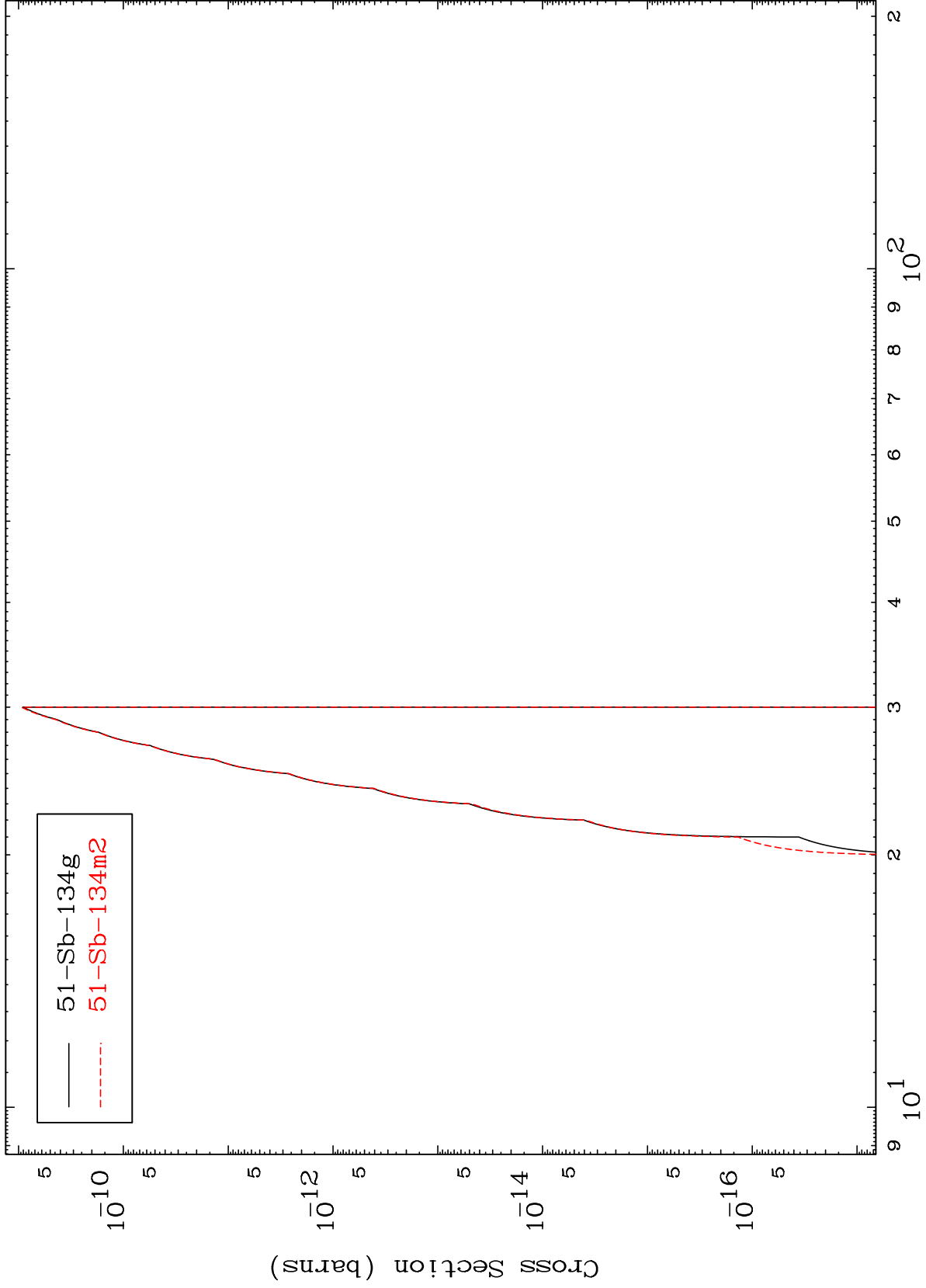
54-Xe-139

MAT 5470

(n,d) α

54-Xe-139

Radionuclide Production Cross Section



111

Incident Energy (MeV)

54-Xe-139