

Program EVALPLOT
(Version 2018-1)

by

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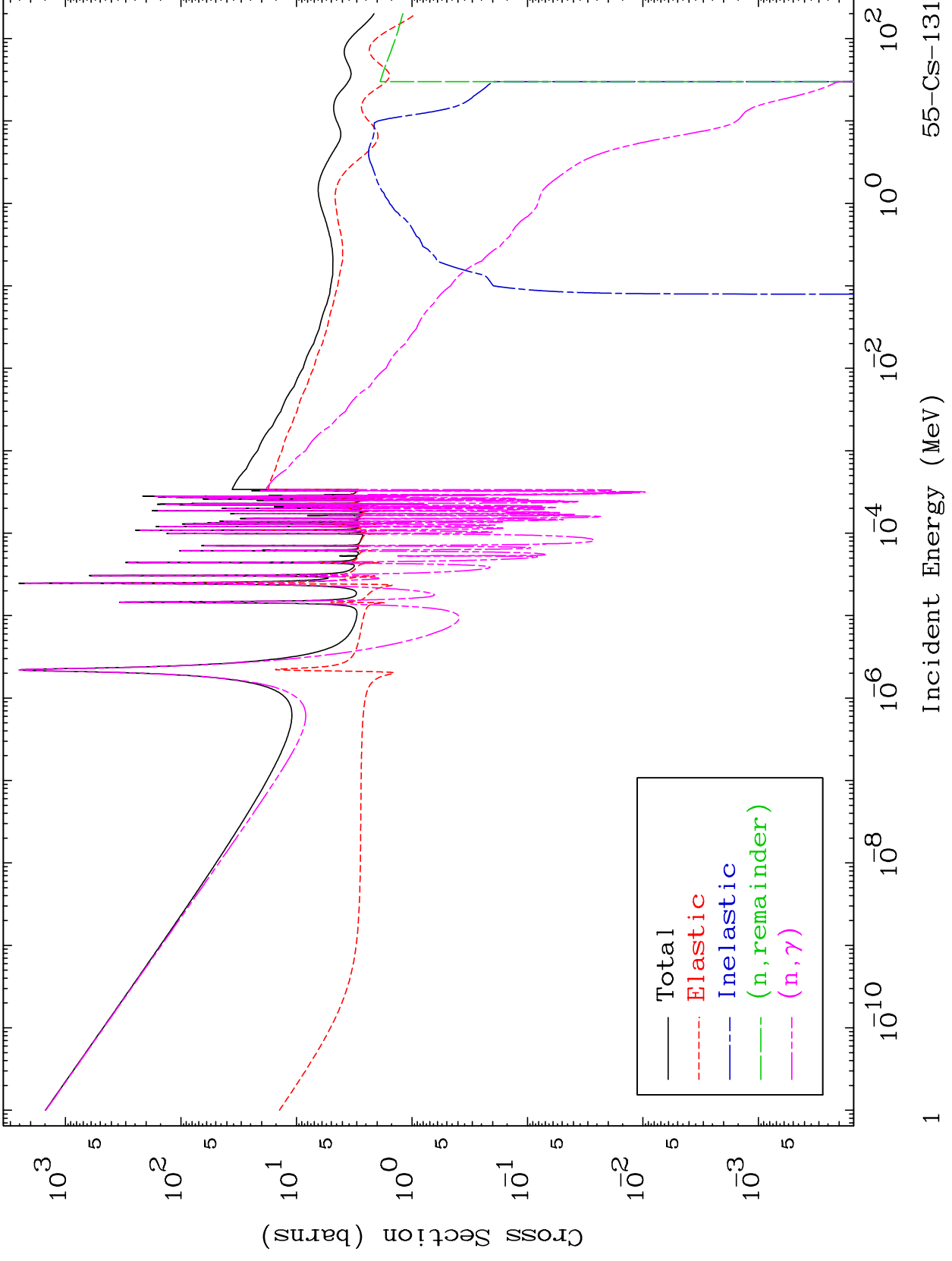
Press Mouse Button to Start

MAT 5519

Major

293 Kelvin Cross Sections

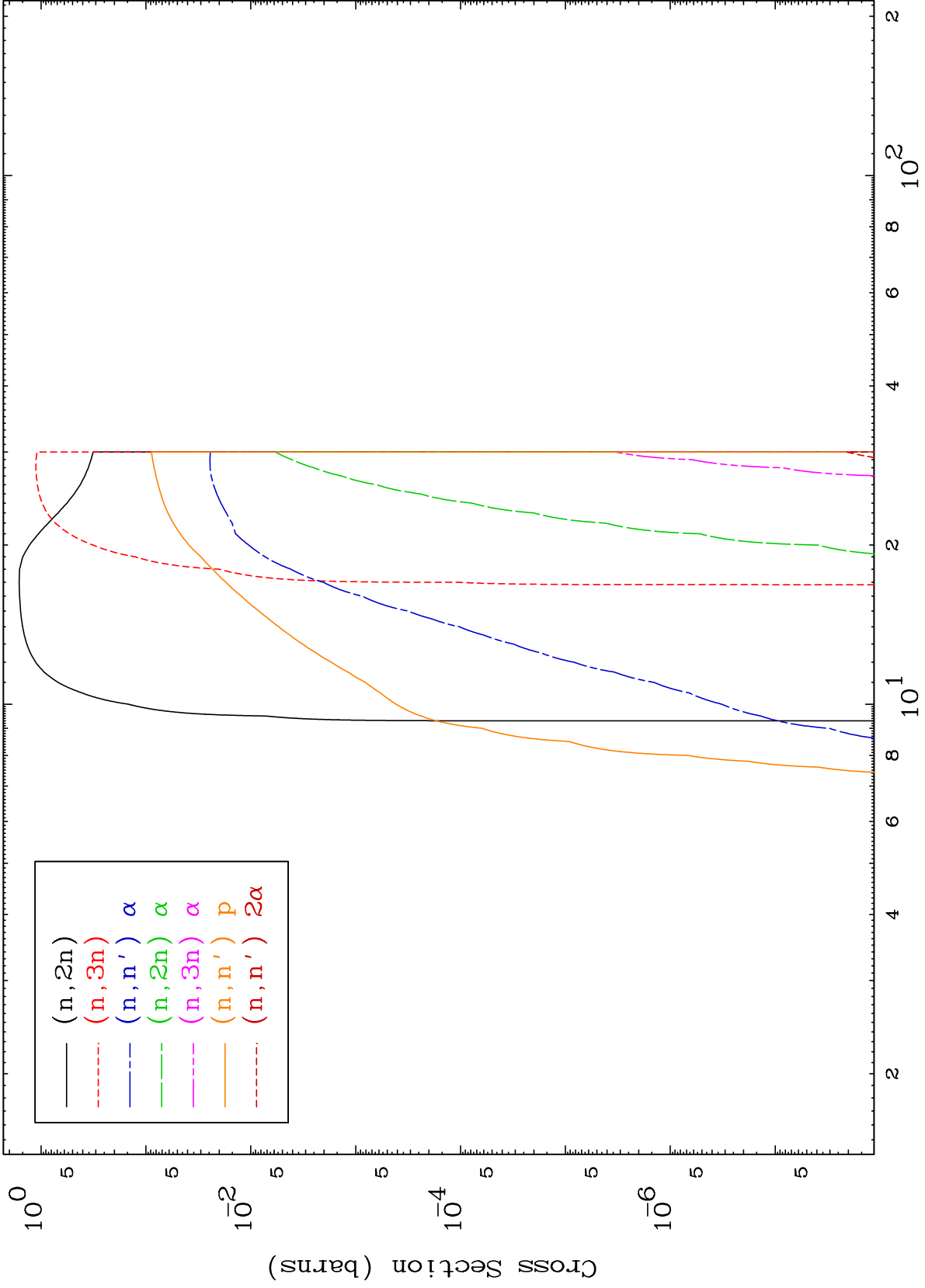
55-Cs-131



MAT 5519

Neutron Production
293 Kelvin Cross Sections

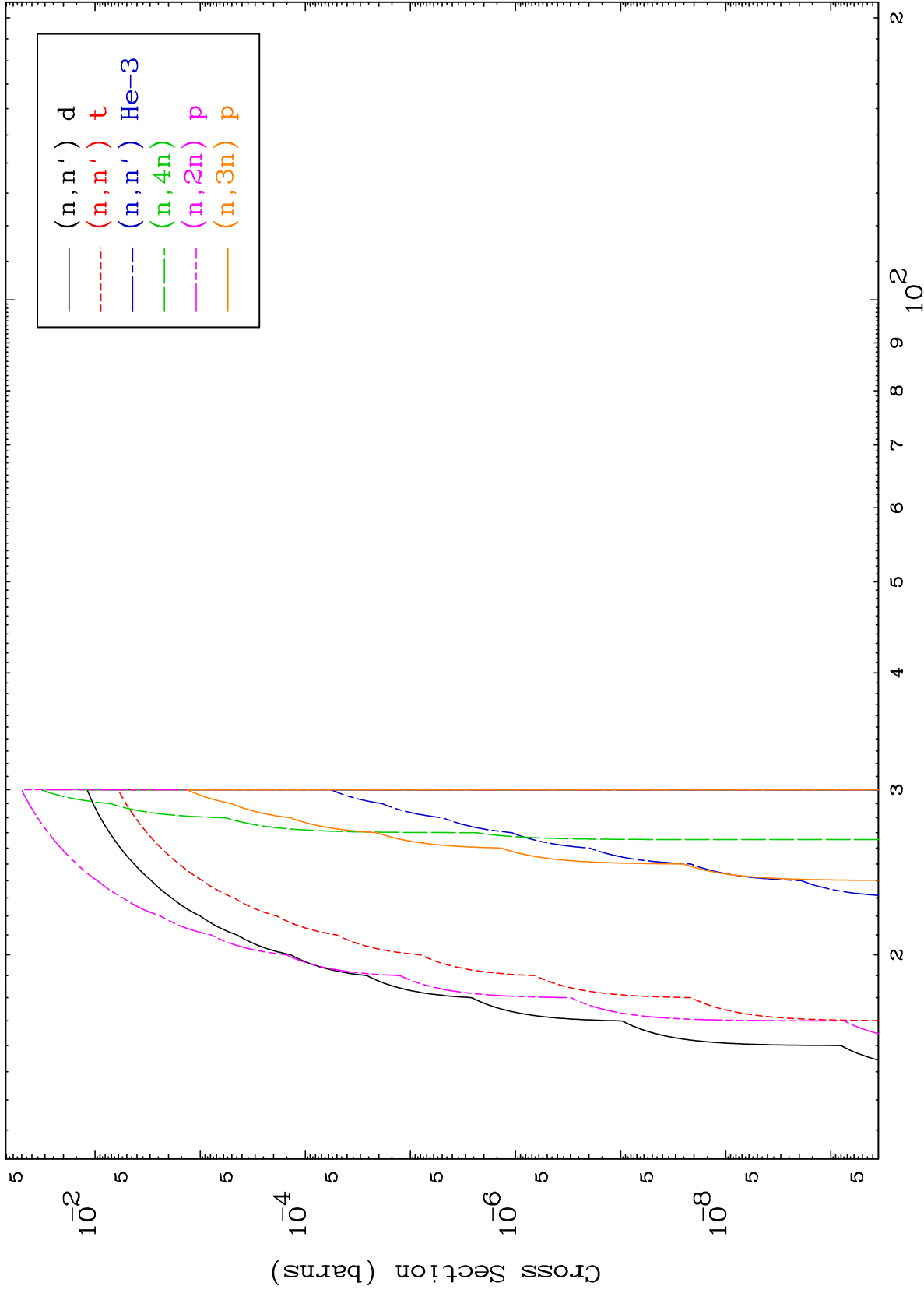
55-Cs-131

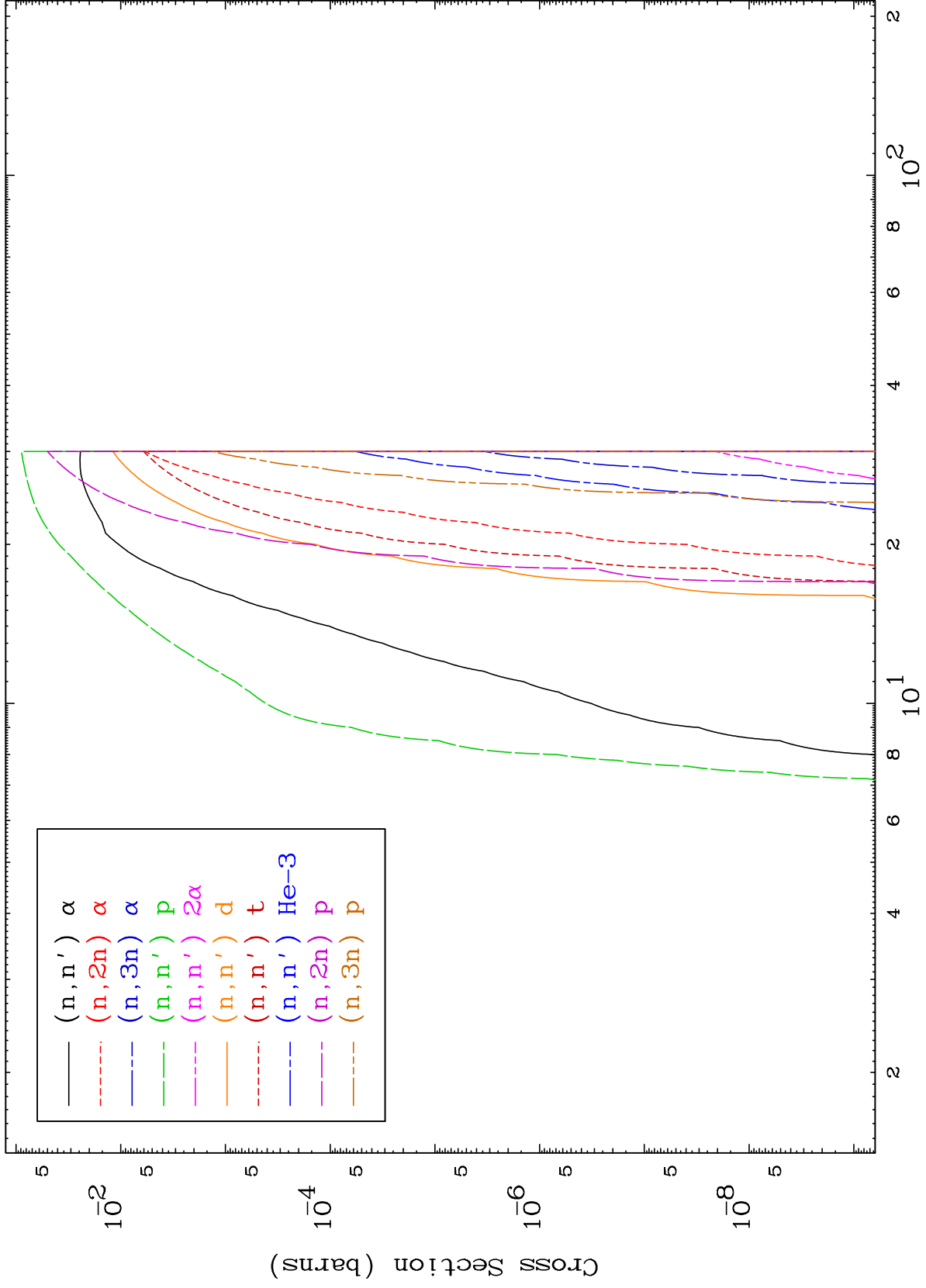


2

Incident Energy (MeV)

55-Cs-131

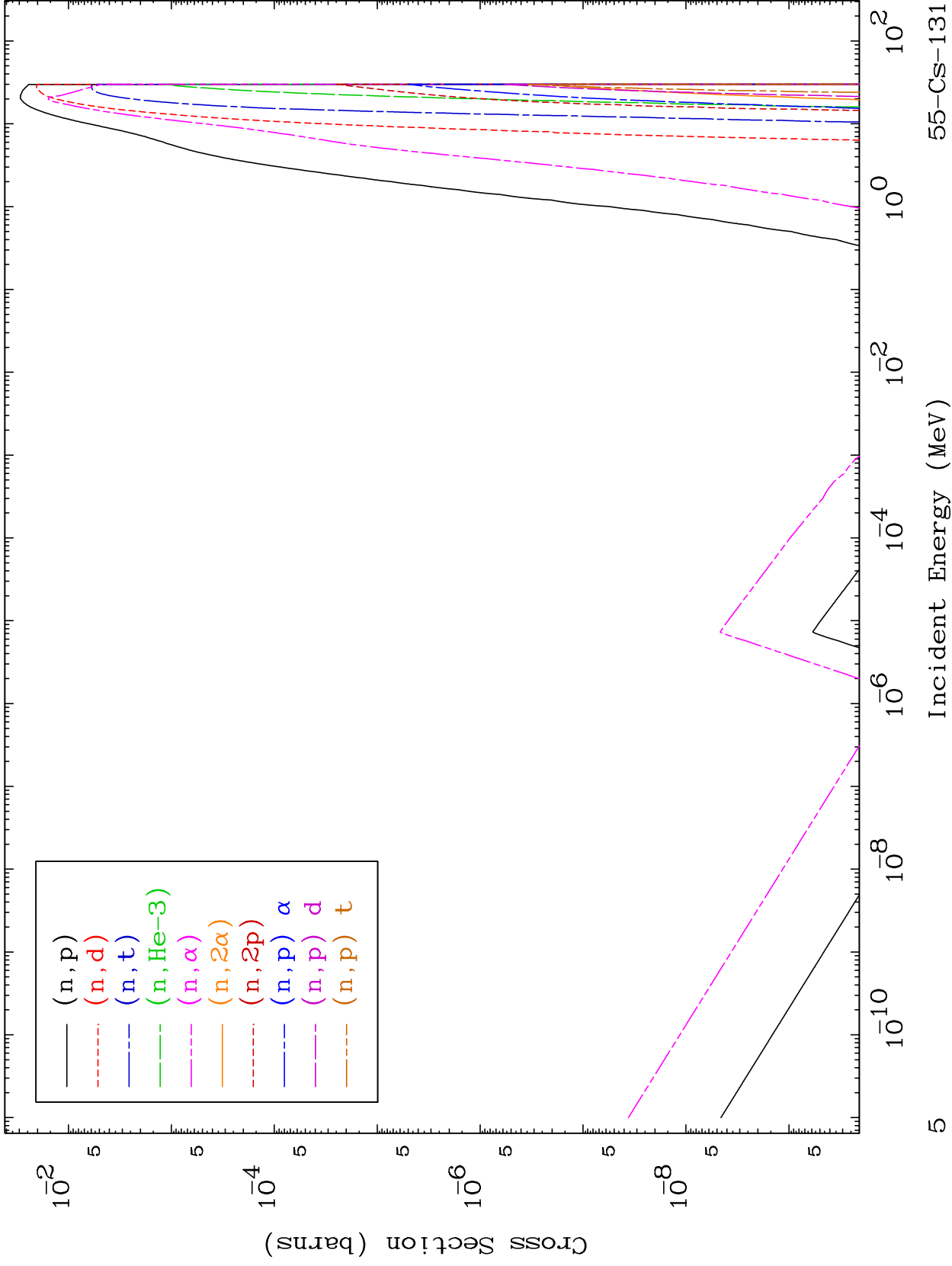




MAT 5519

Charged Particle
293 Kelvin Cross Sections

55-Cs-131

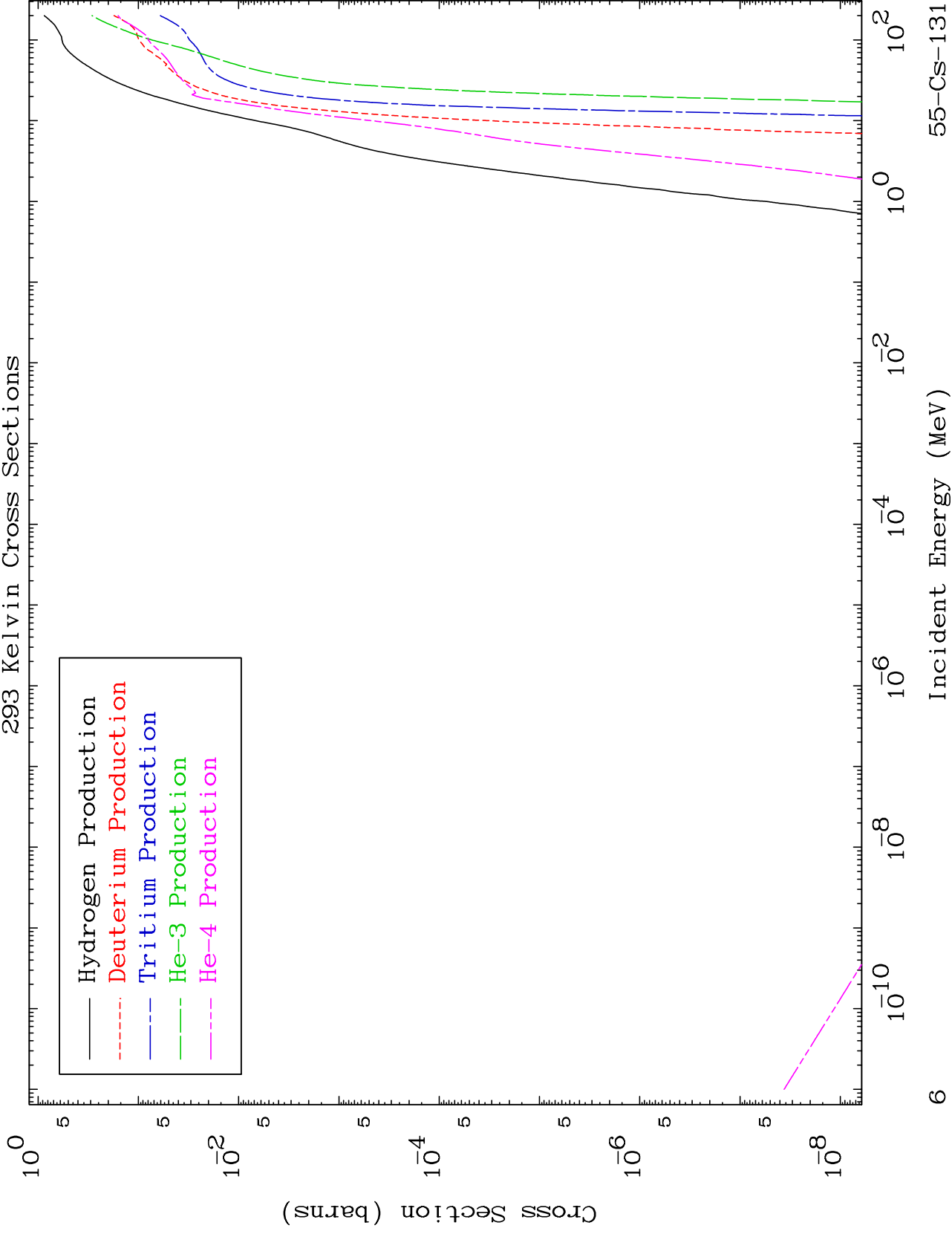


5

MAT 5519

Particle Production
293 Kelvin Cross Sections

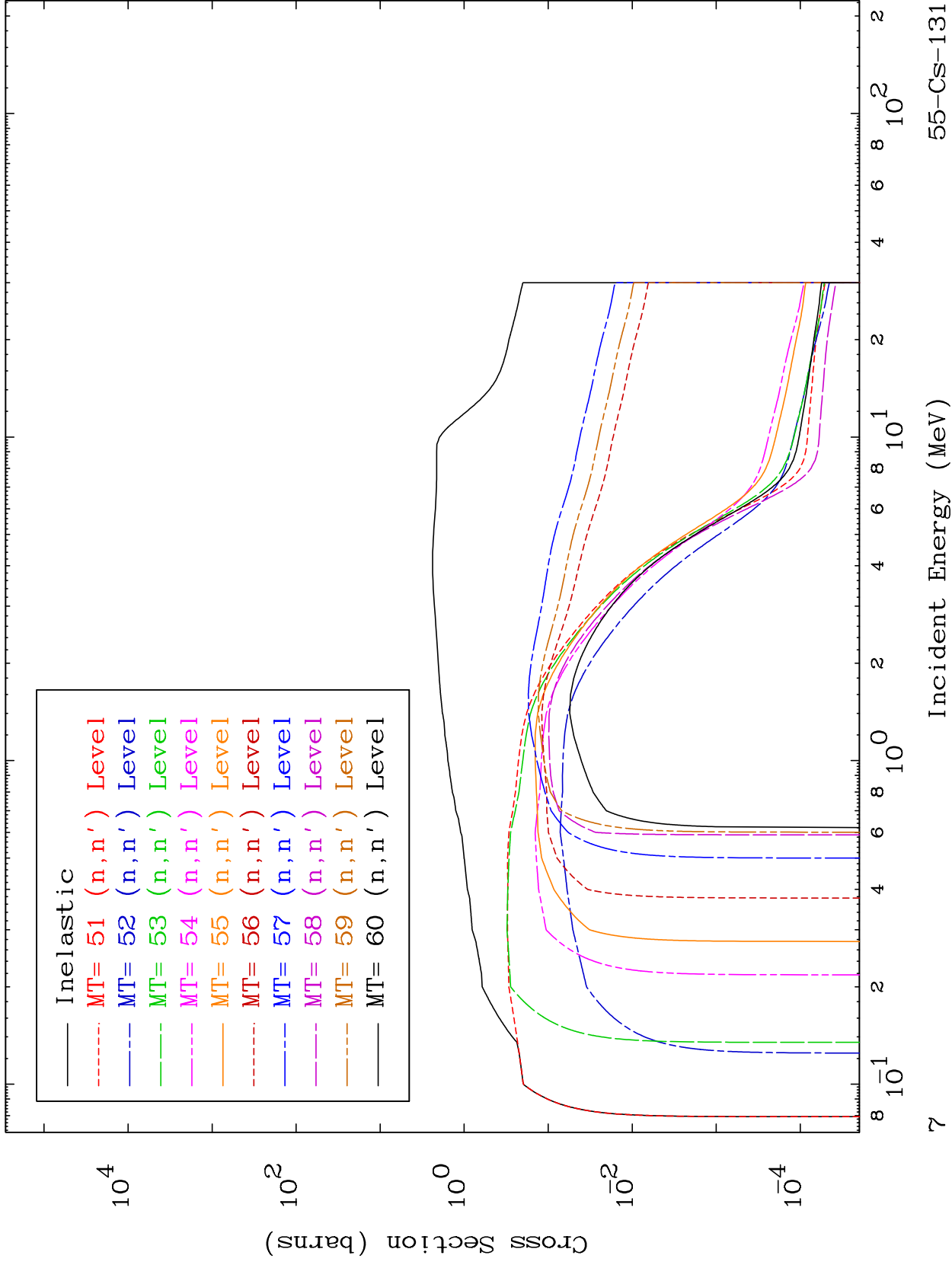
55-Cs-131



MAT 5519

(n,n') Level
293 Kelvin Cross Sections

55-Cs-131

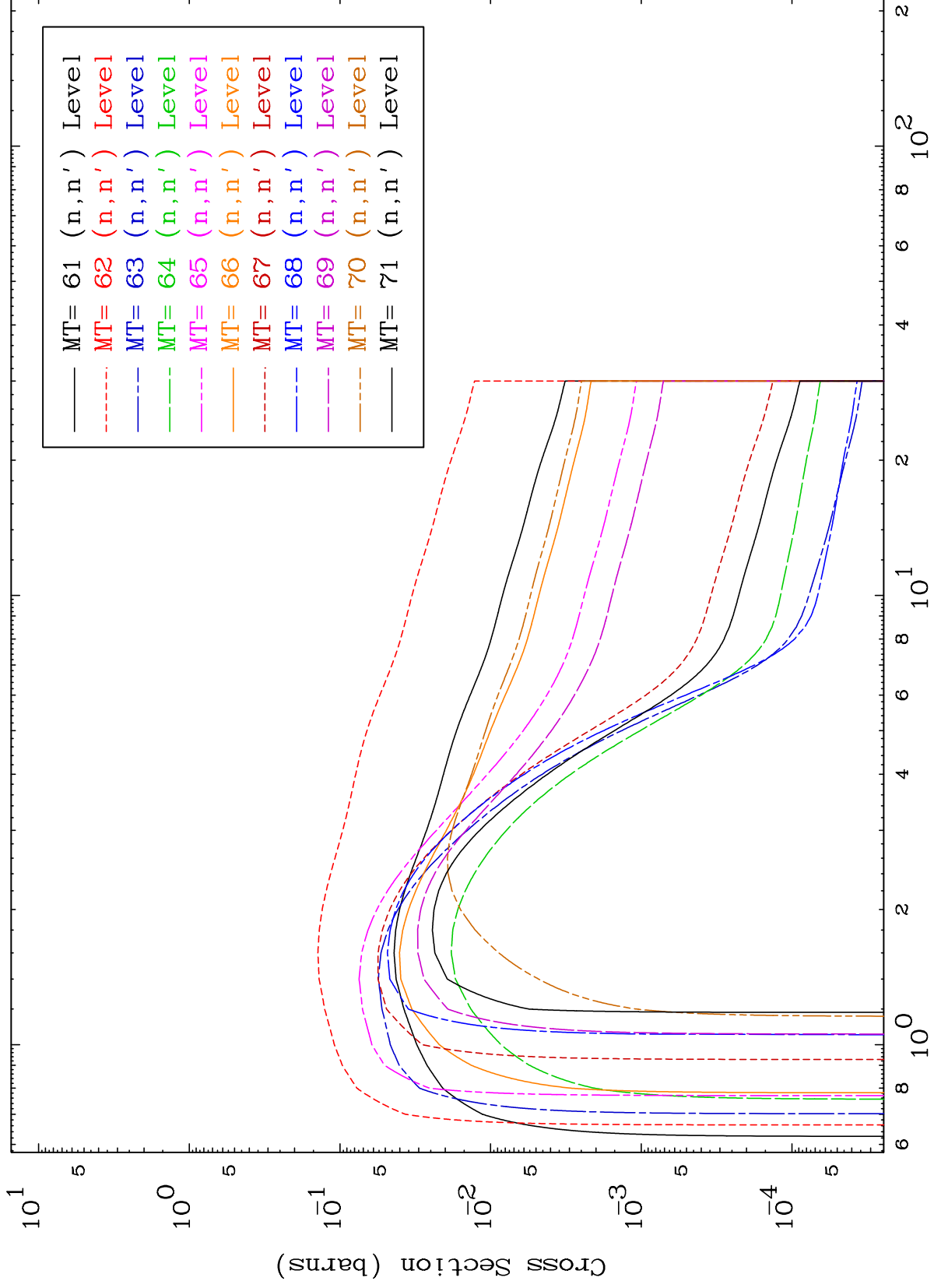


MAT 5519

(n,n') Level

55-Cs-131

293 Kelvin Cross Sections

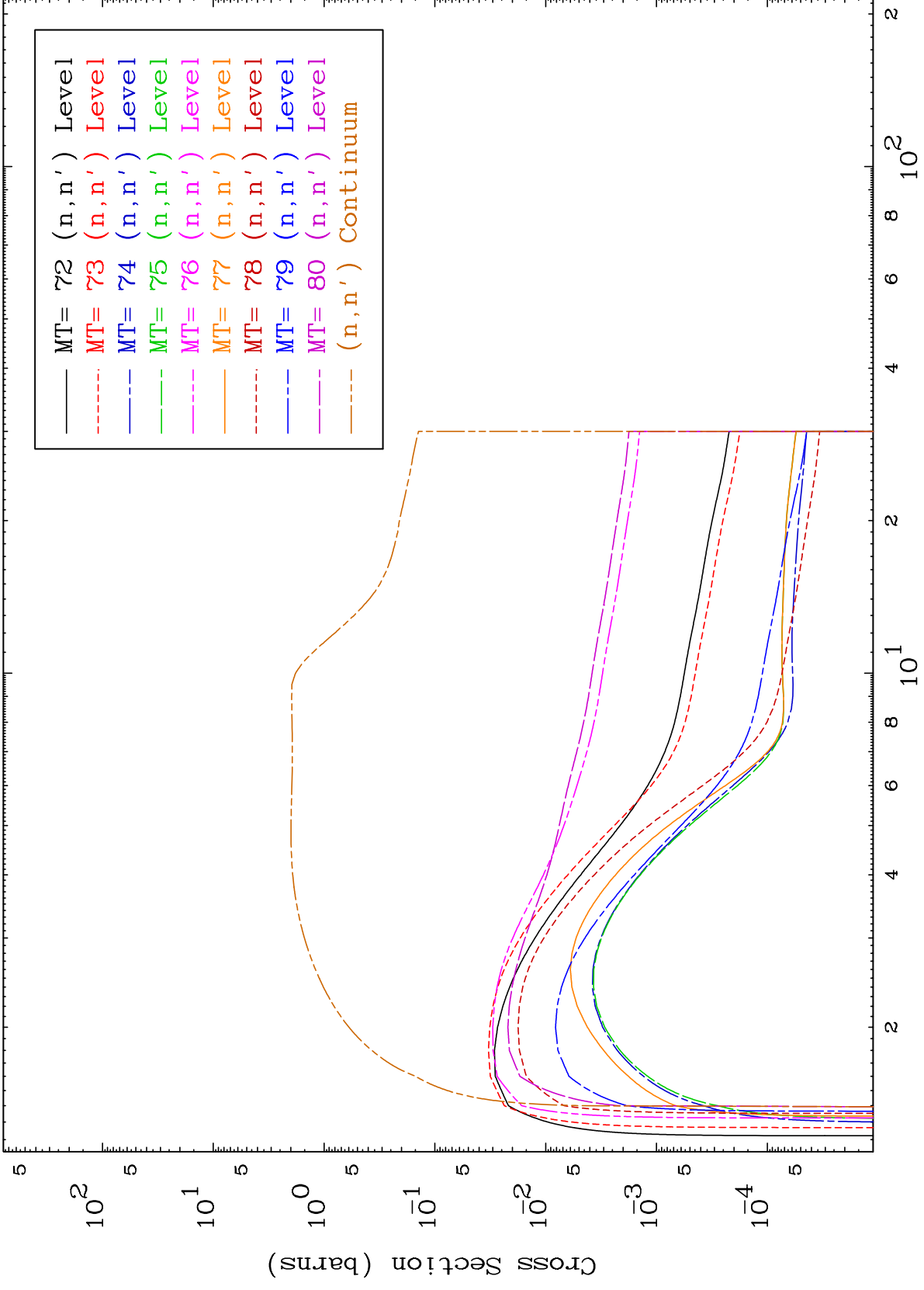


Incident Energy (MeV)

55-Cs-131

8

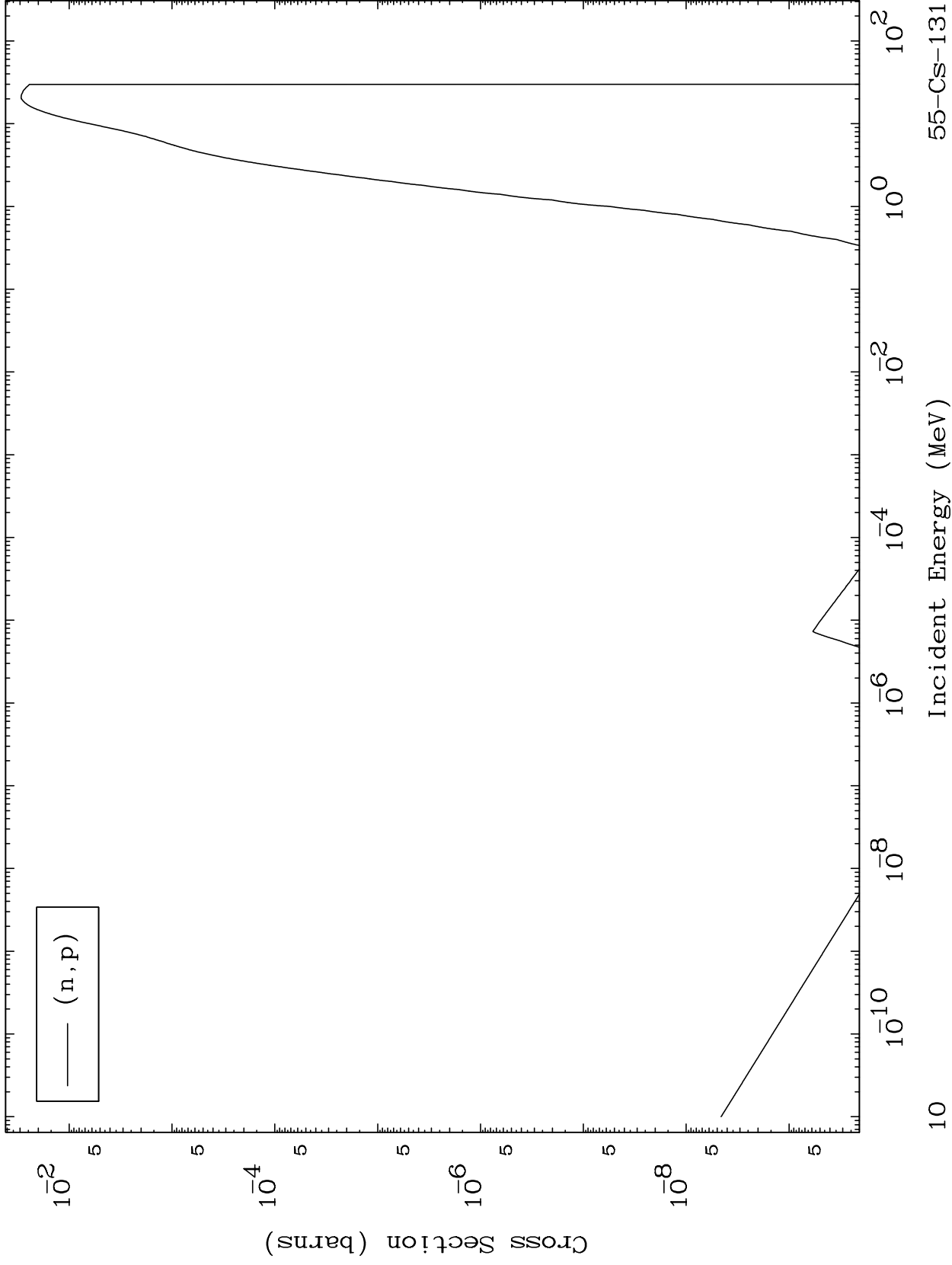
293 Kelvin Cross Sections



MAT 5519

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-131



10

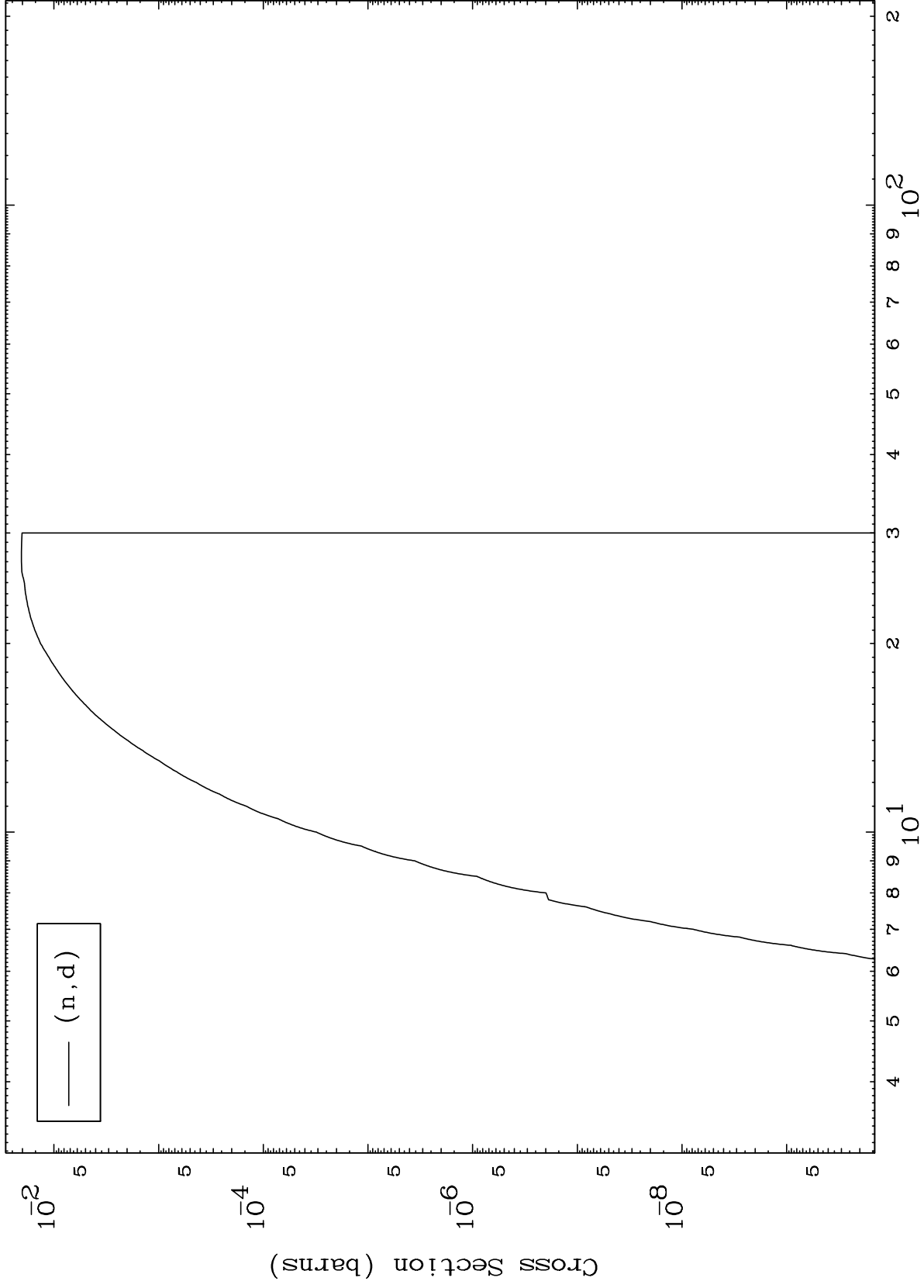
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-131



(n,d)

55-Cs-131

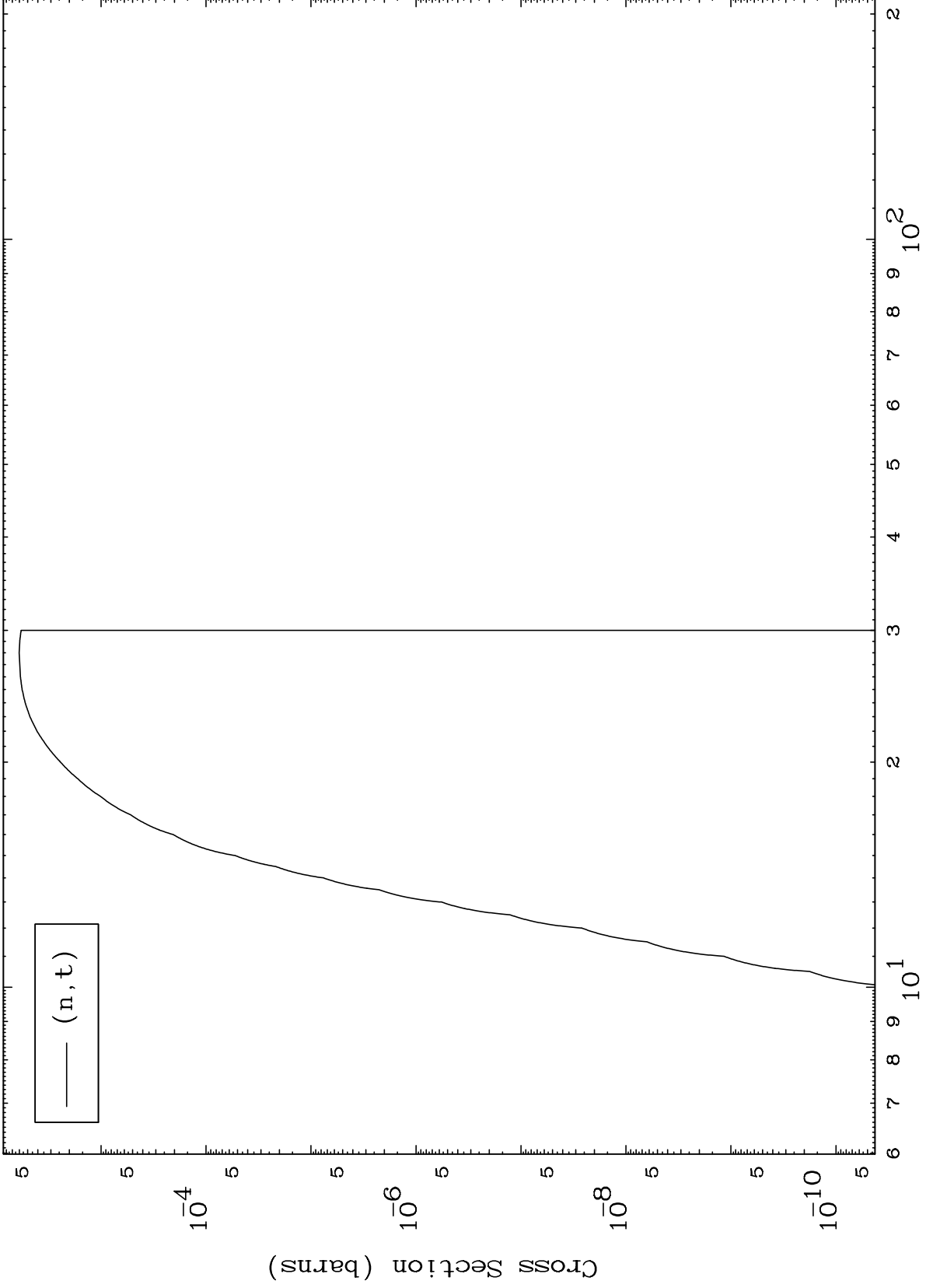
Incident Energy (MeV)

11

MAT 5519

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-131



12

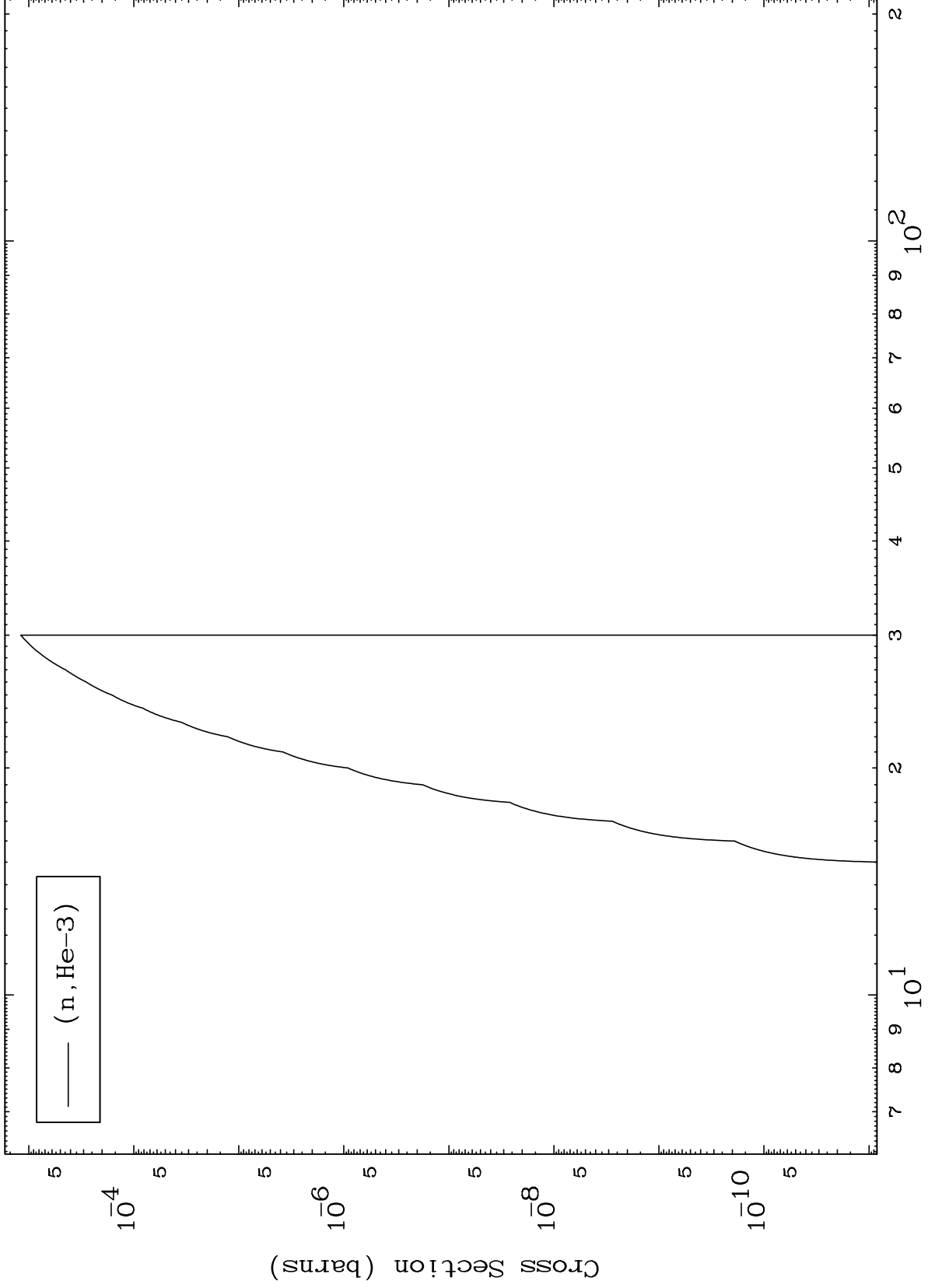
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-131



13

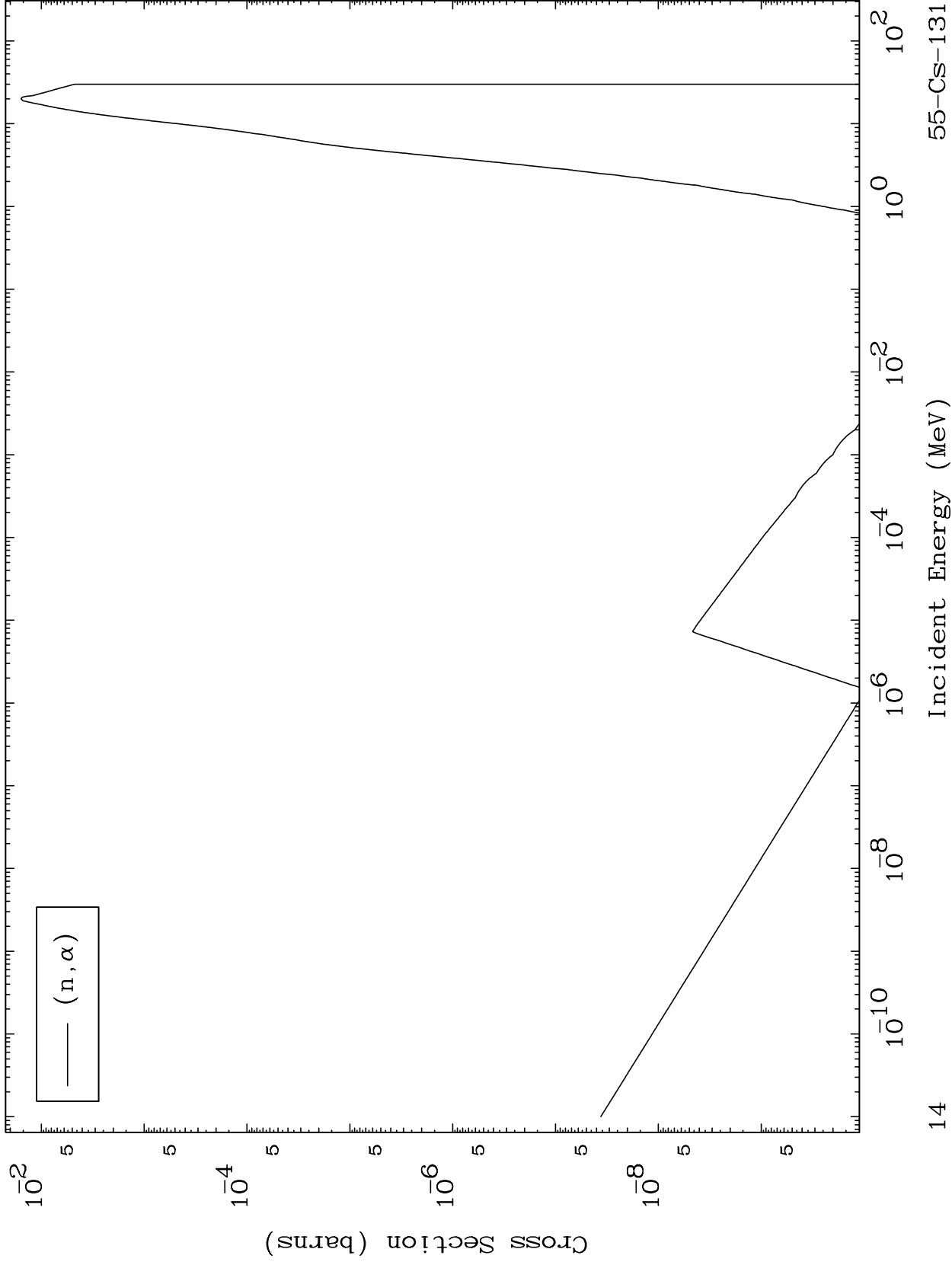
Incident Energy (MeV)

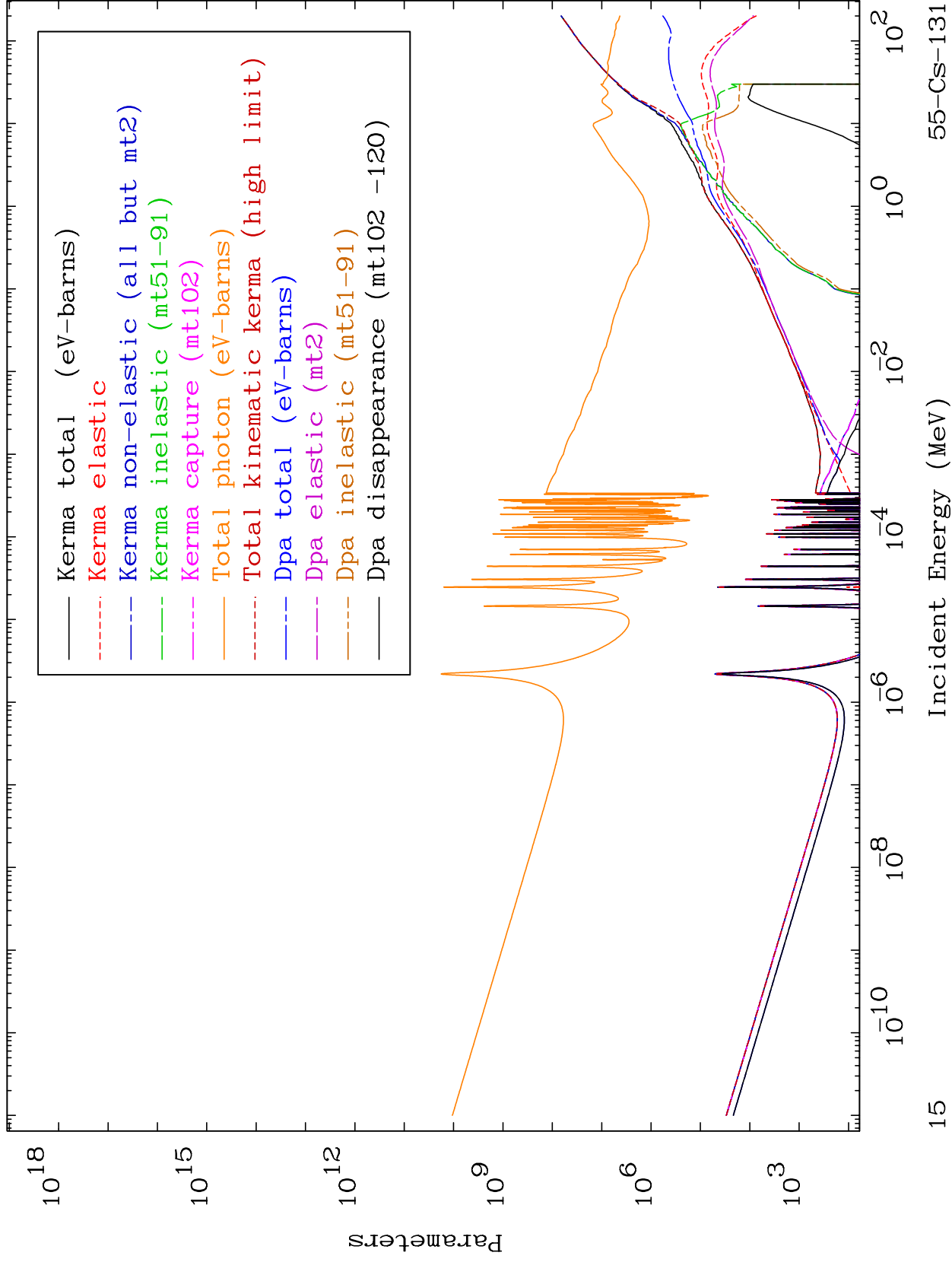
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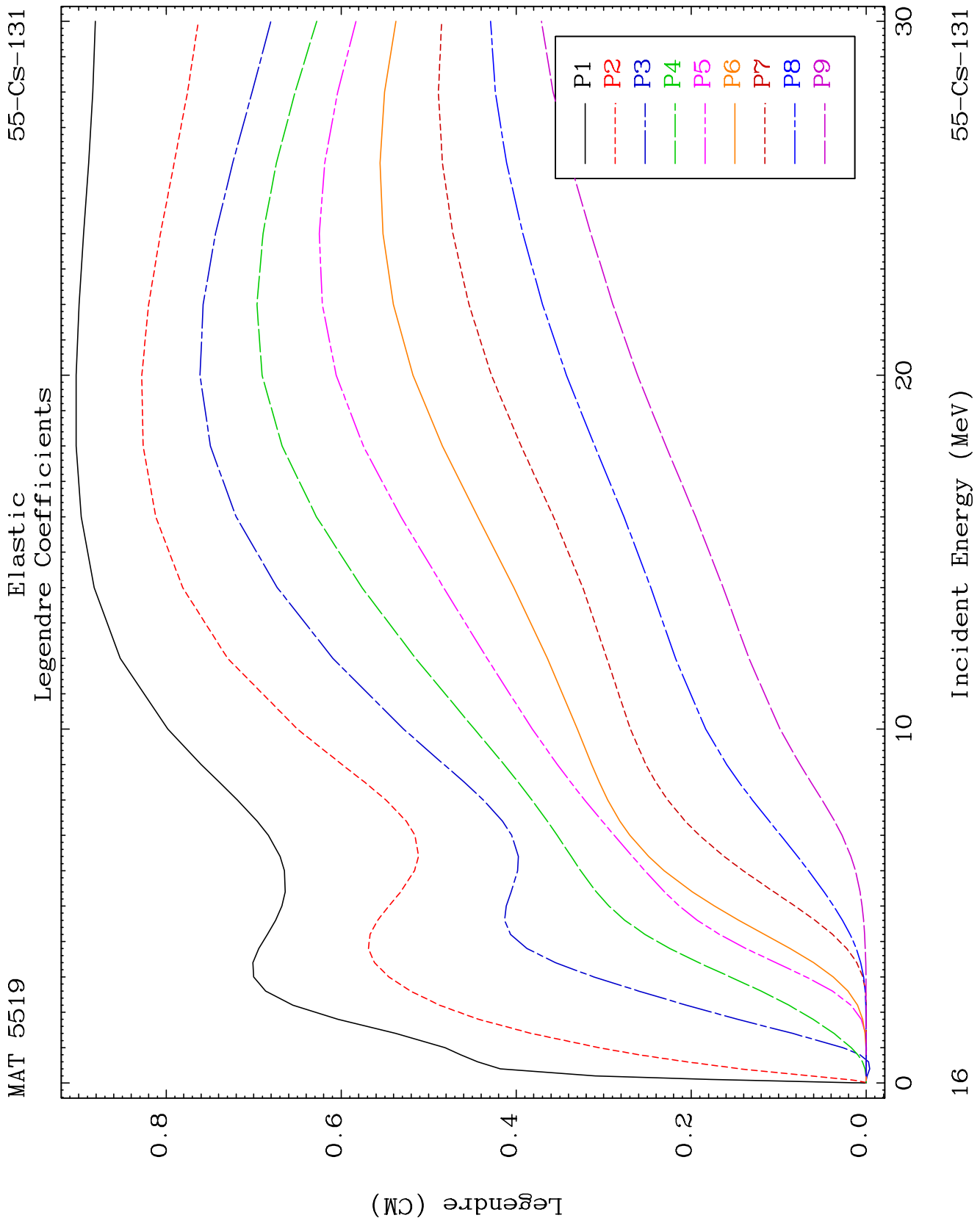
MAT 5519

(n, α) Levels
293 Kelvin Cross Sections

55-Cs-131



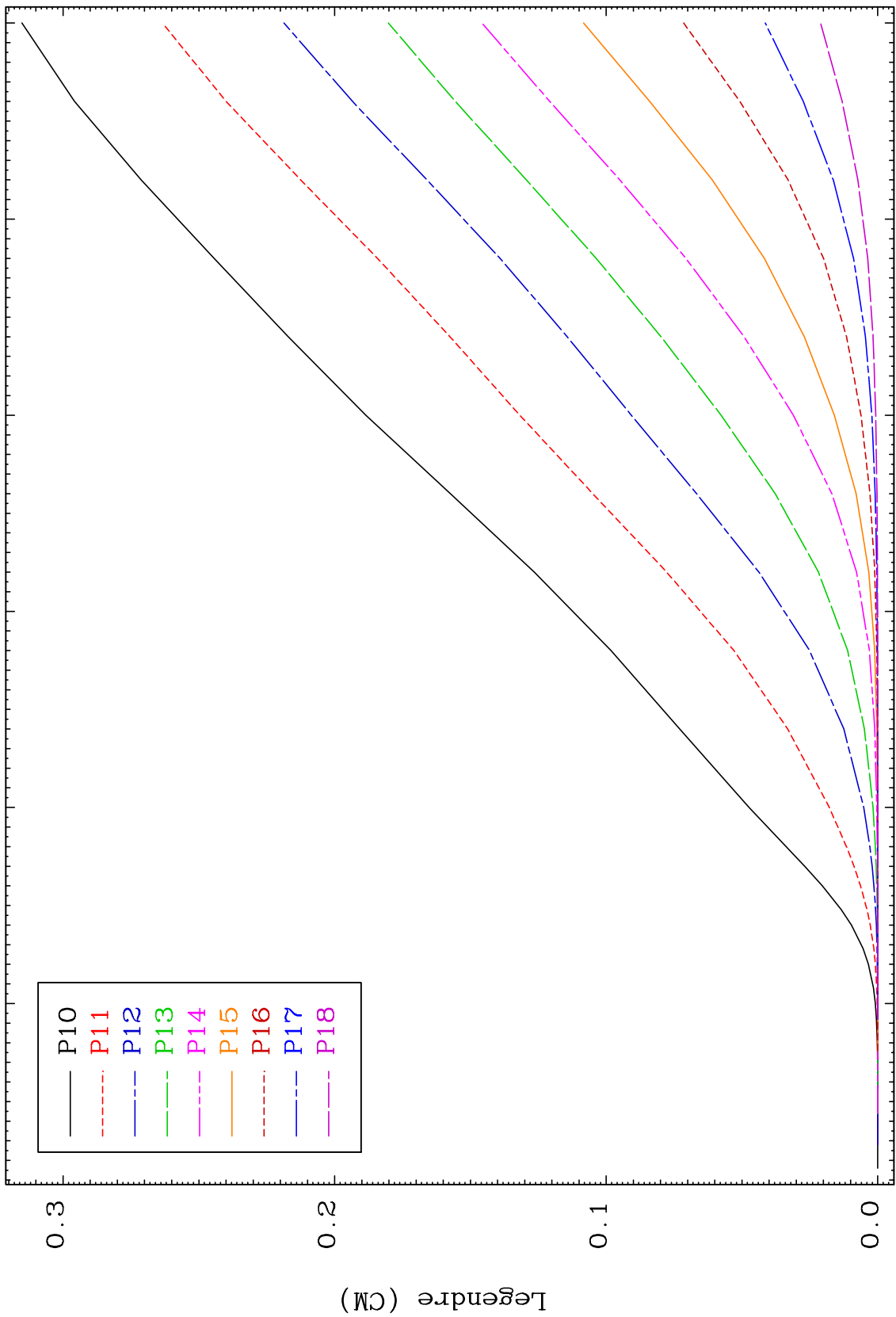




MAT 5519

Elastic Legendre Coefficients

55-Cs-131



17

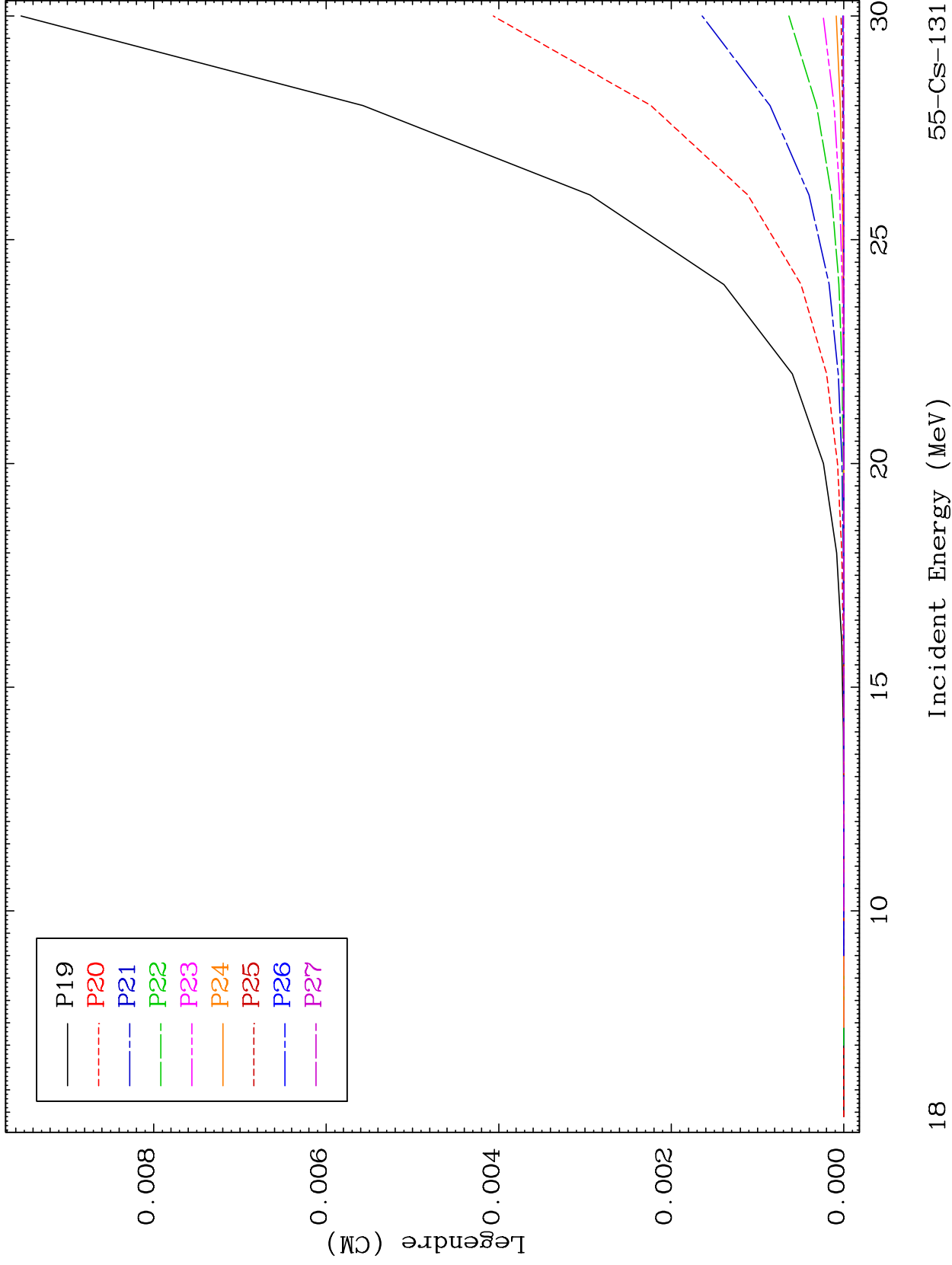
Incident Energy (MeV)

55-Cs-131

MAT 5519

Elastic Legendre Coefficients

55-Cs-131



18

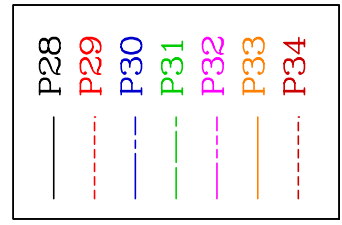
Incident Energy (MeV)

55-Cs-131

MAT 5519

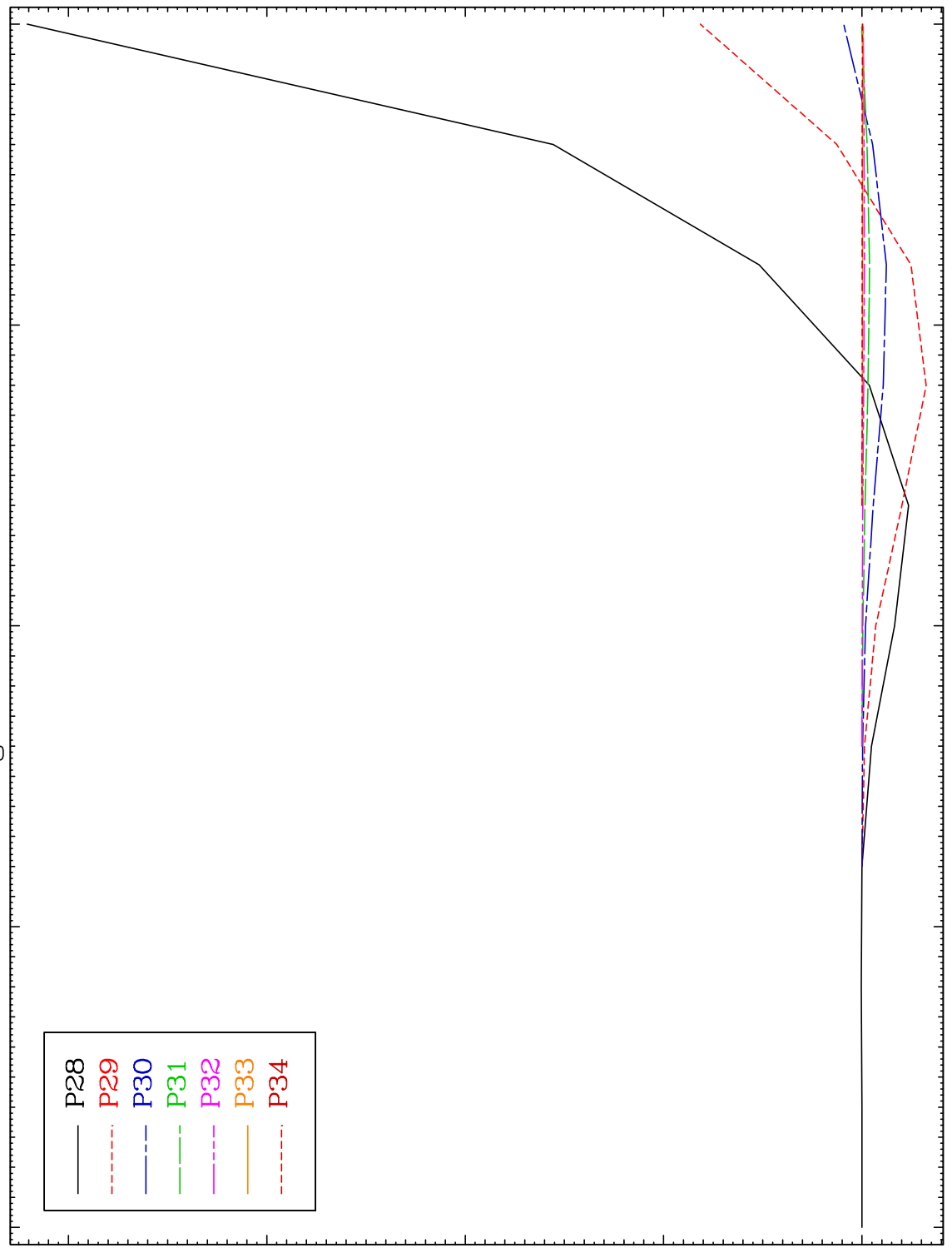
Elastic Legendre Coefficients

55-Cs-131



$\times 10^{-78}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

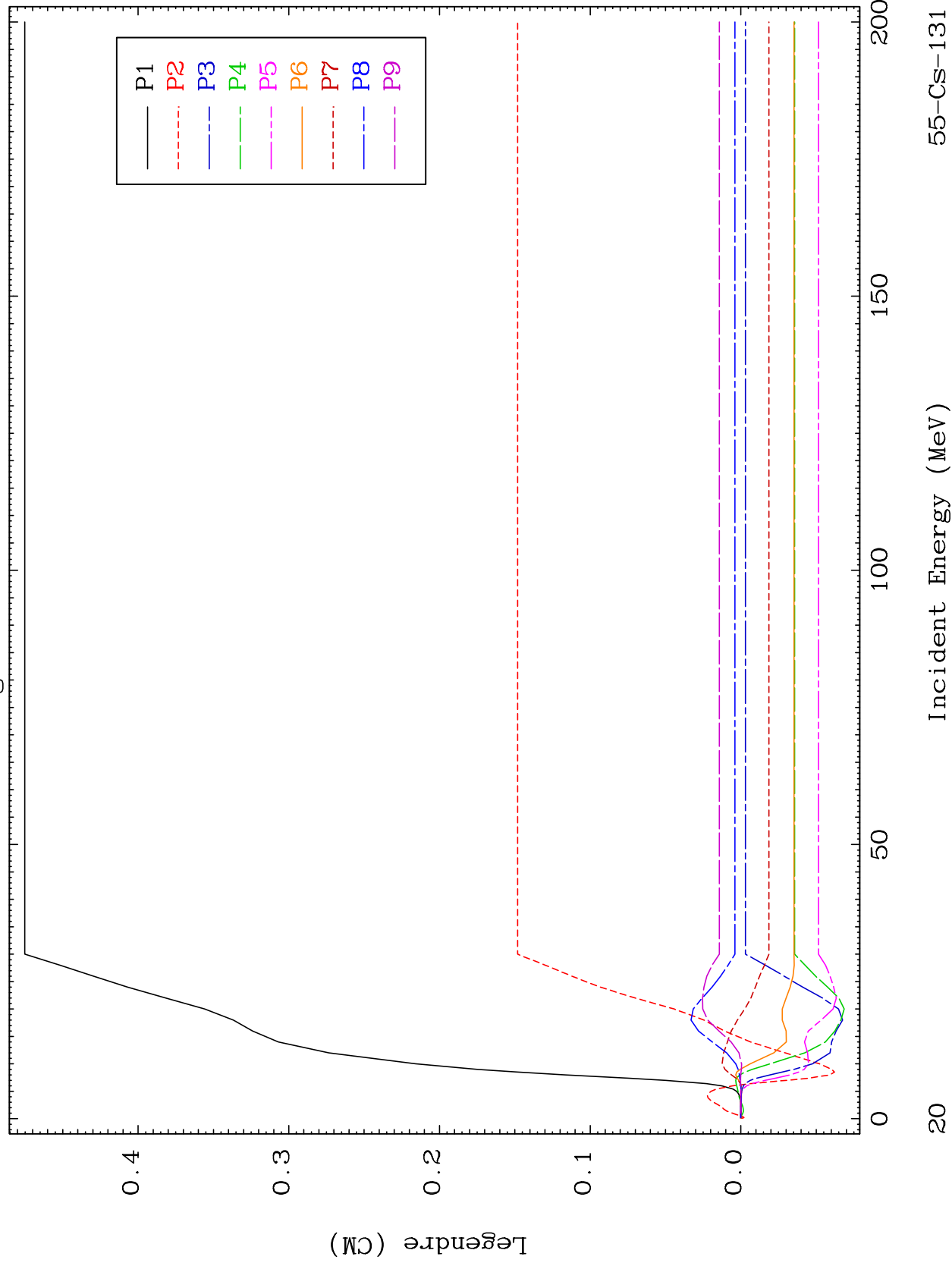
55-Cs-131

19

MAT 5519

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

55-Cs-131

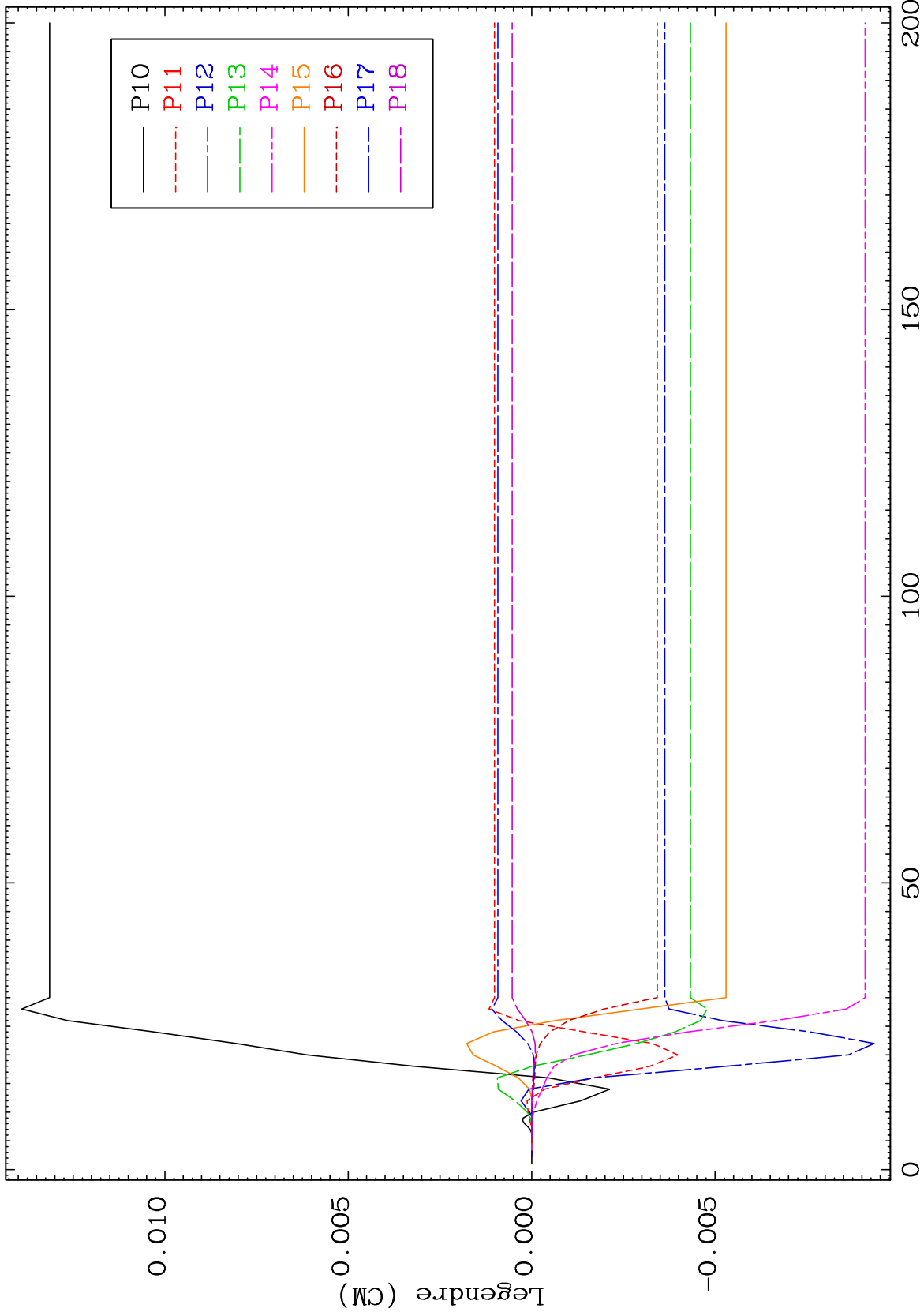


55-Cs-131

MAT 5519

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

55-Cs-131



21

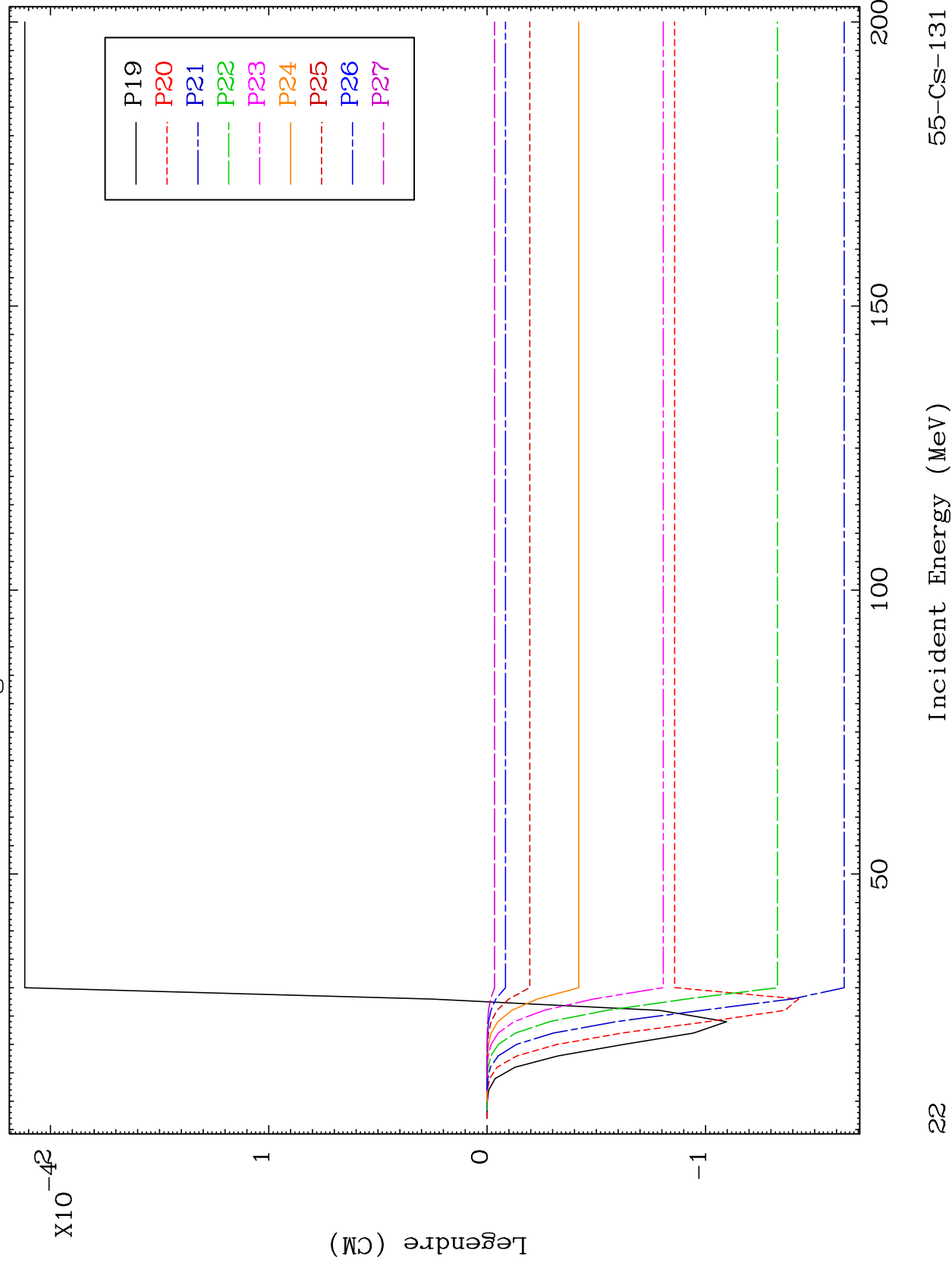
Incident Energy (MeV)

55-Cs-131

MAT 5519

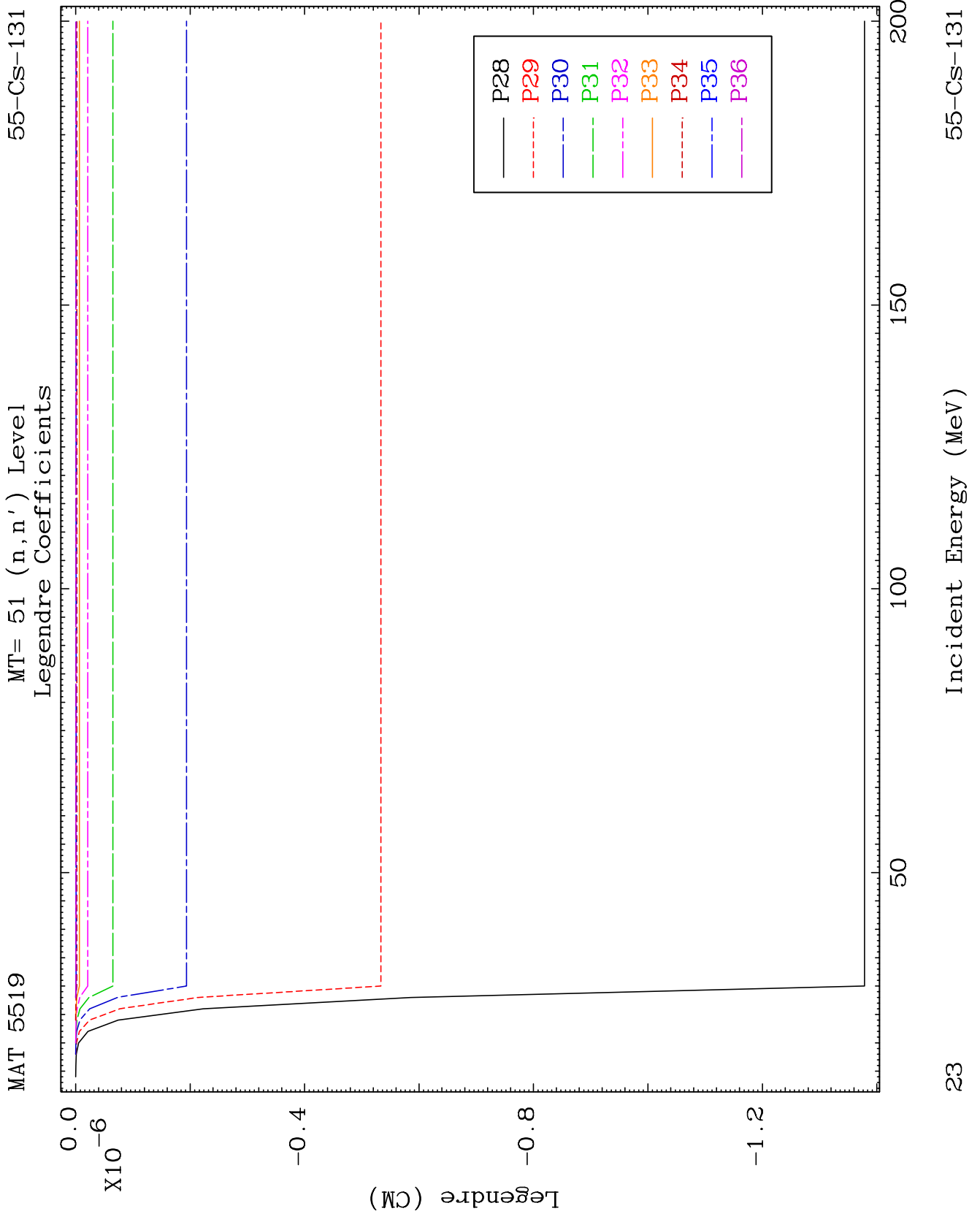
MT= 51 (n,n') Level
Legendre Coefficients

55-Cs-131



22

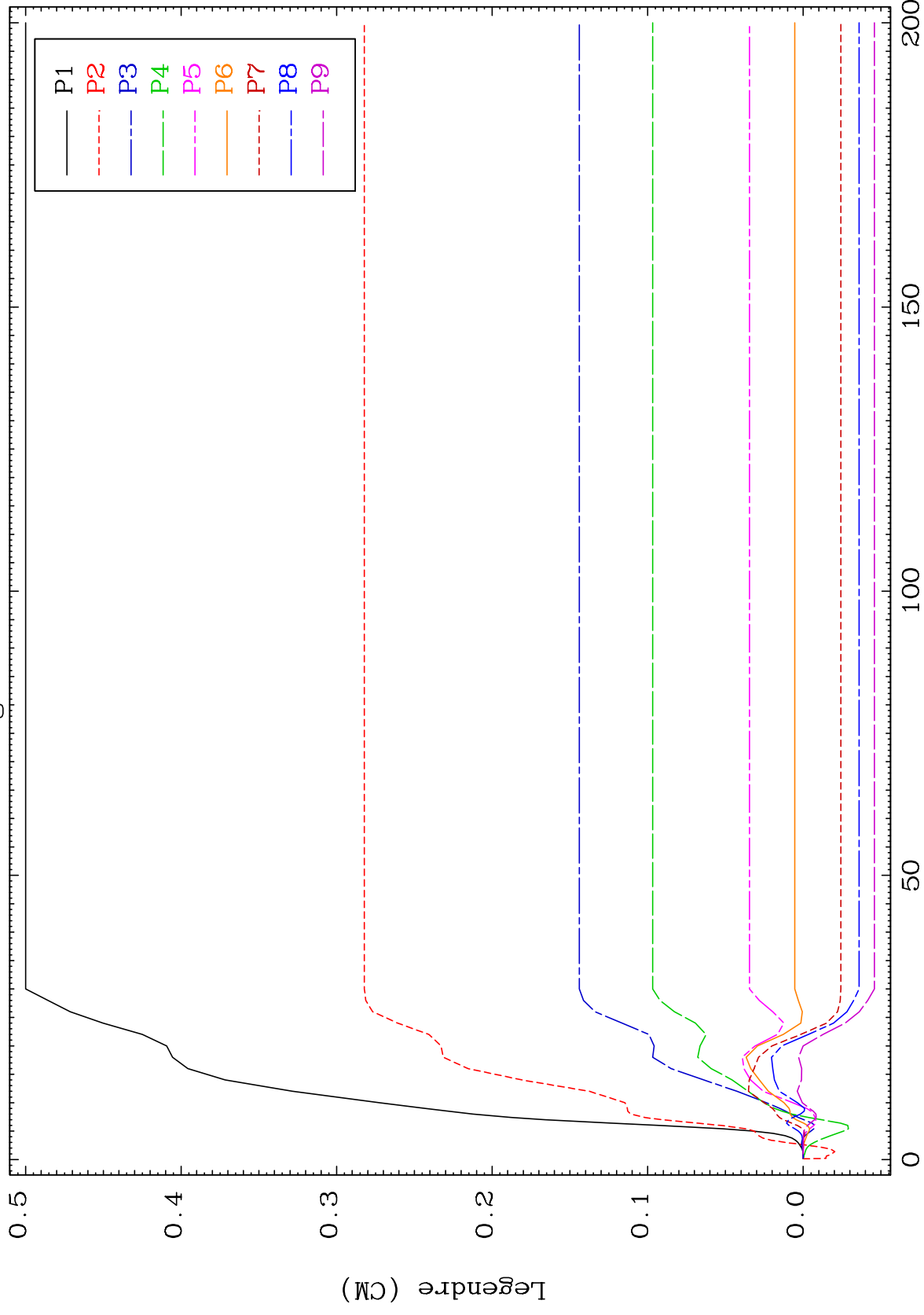
55-Cs-131



MAT 5519

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

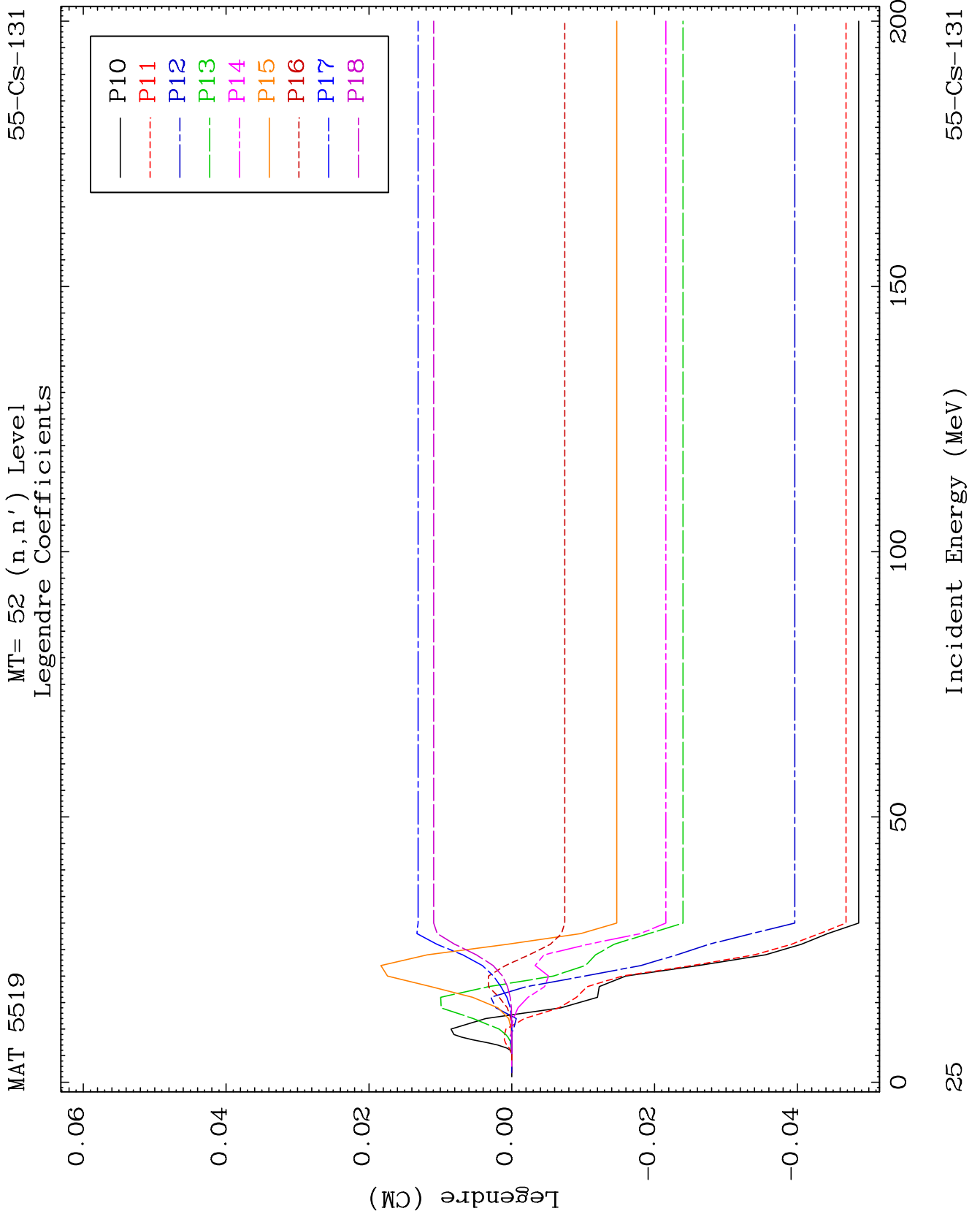
55-Cs-131



24

Incident Energy (MeV)

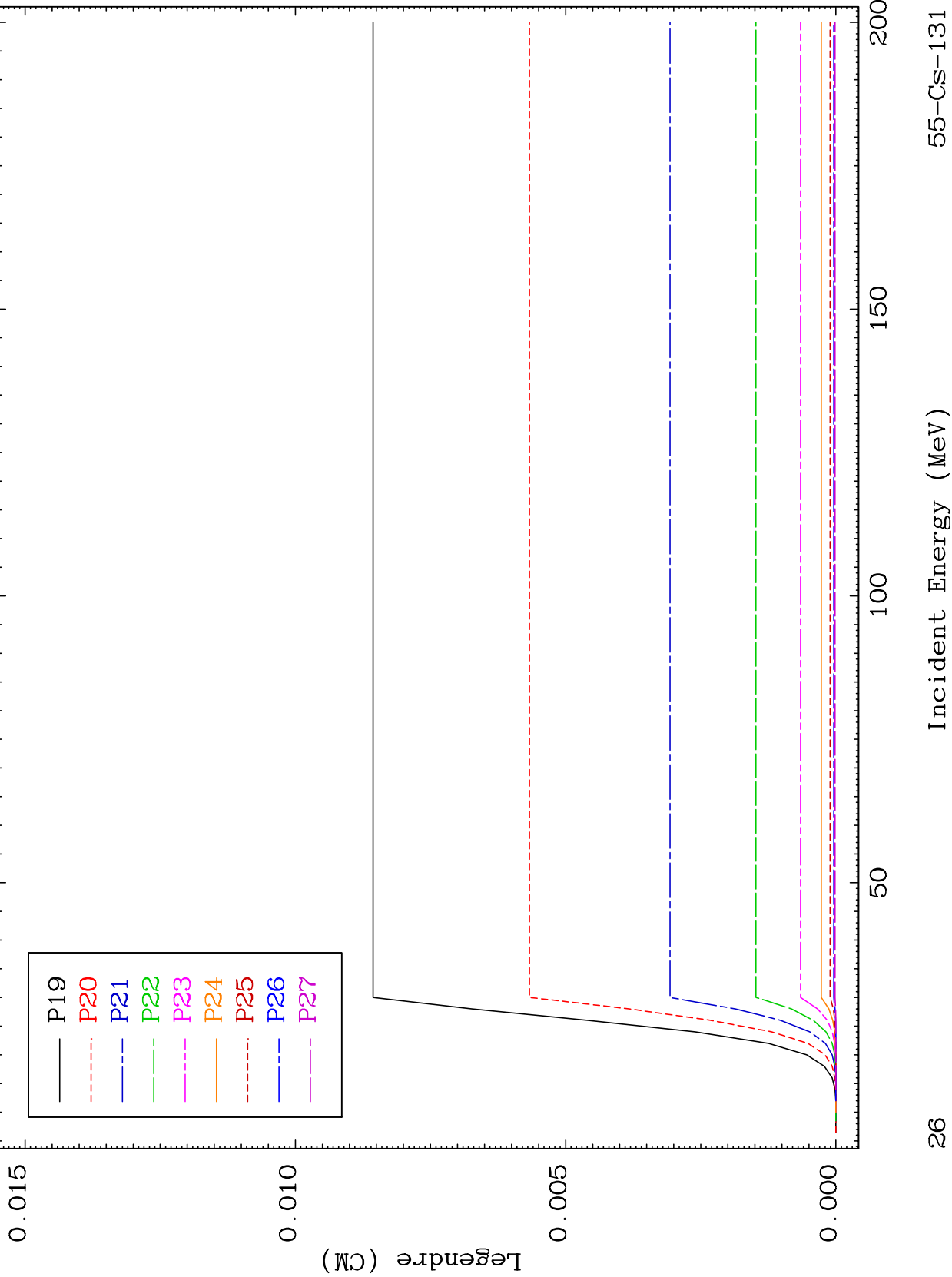
55-Cs-131



MAT 5519

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

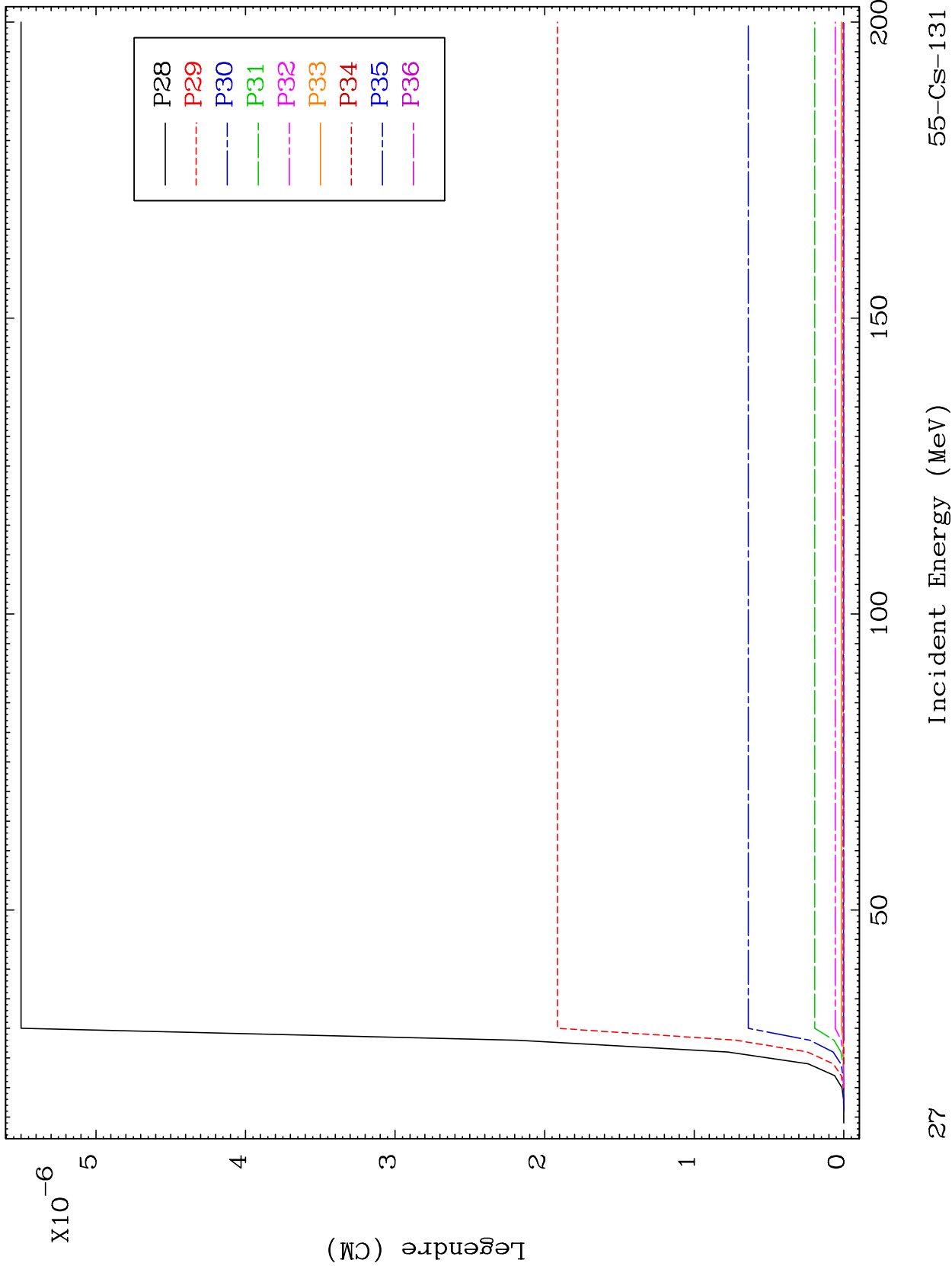
55-Cs-131



MAT 5519

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

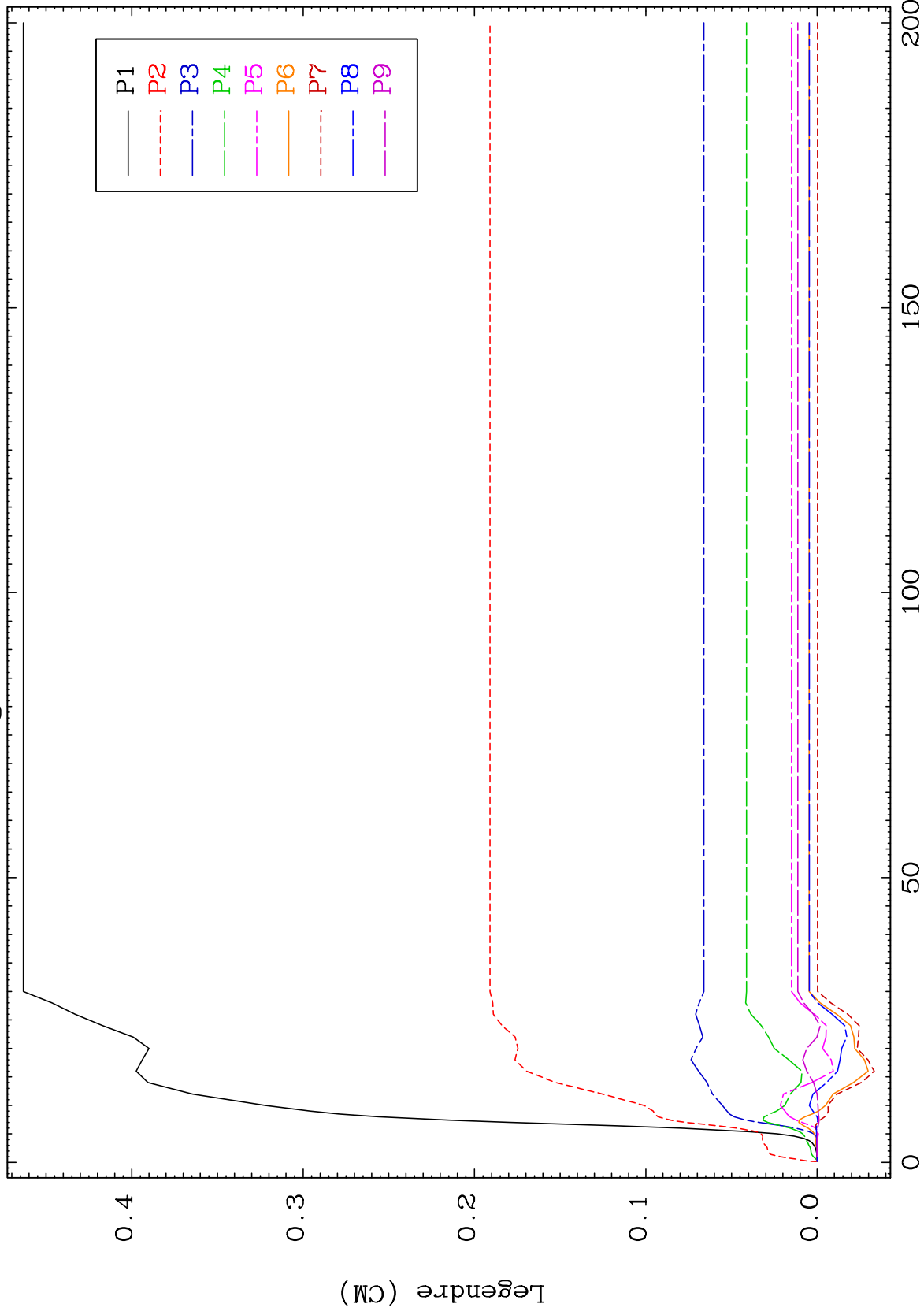
55-Cs-131



MAT 5519

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

55-Cs-131



28

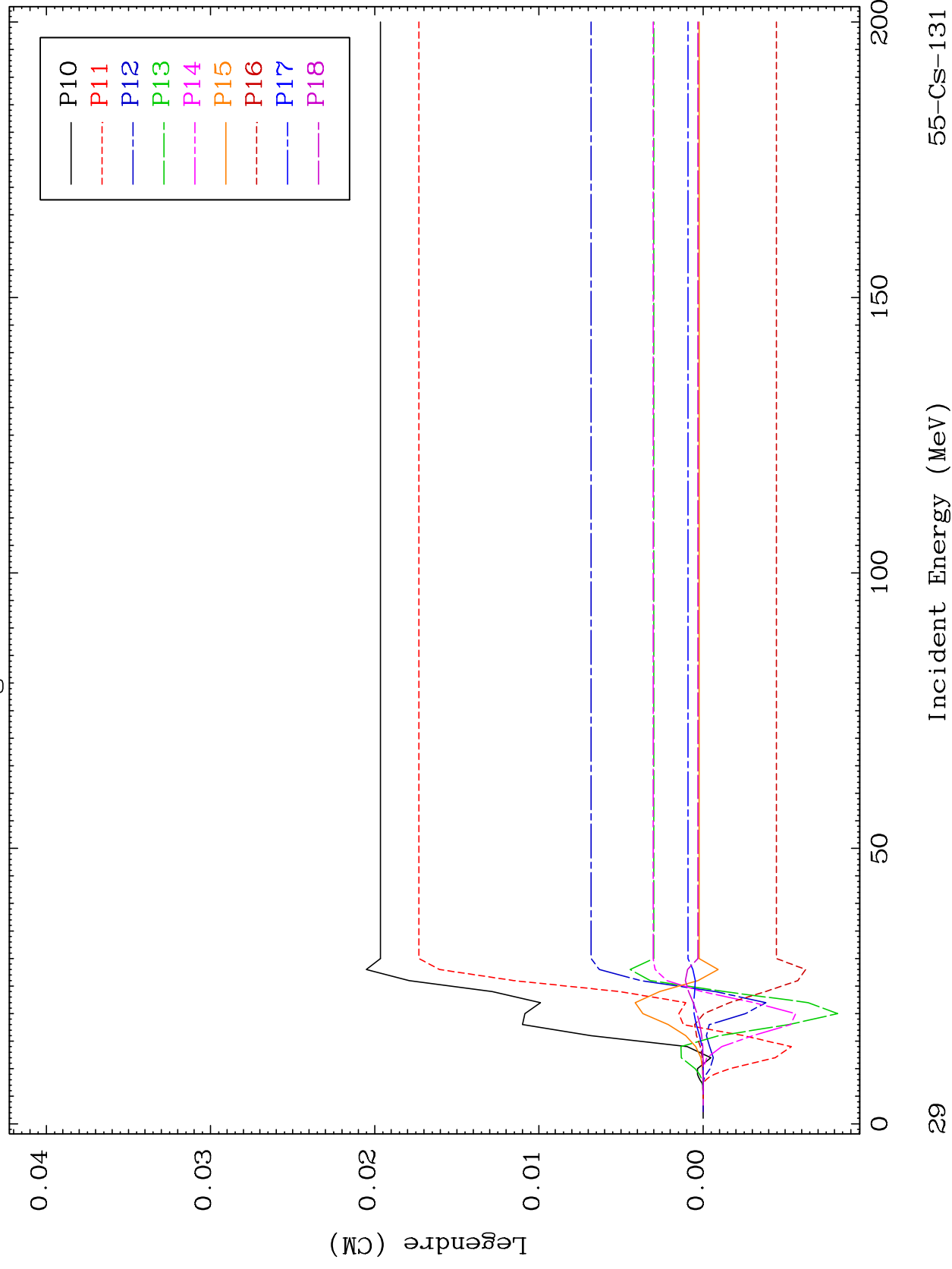
55-Cs-131

55-Cs-131

MAT 5519

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

55-Cs-131



29

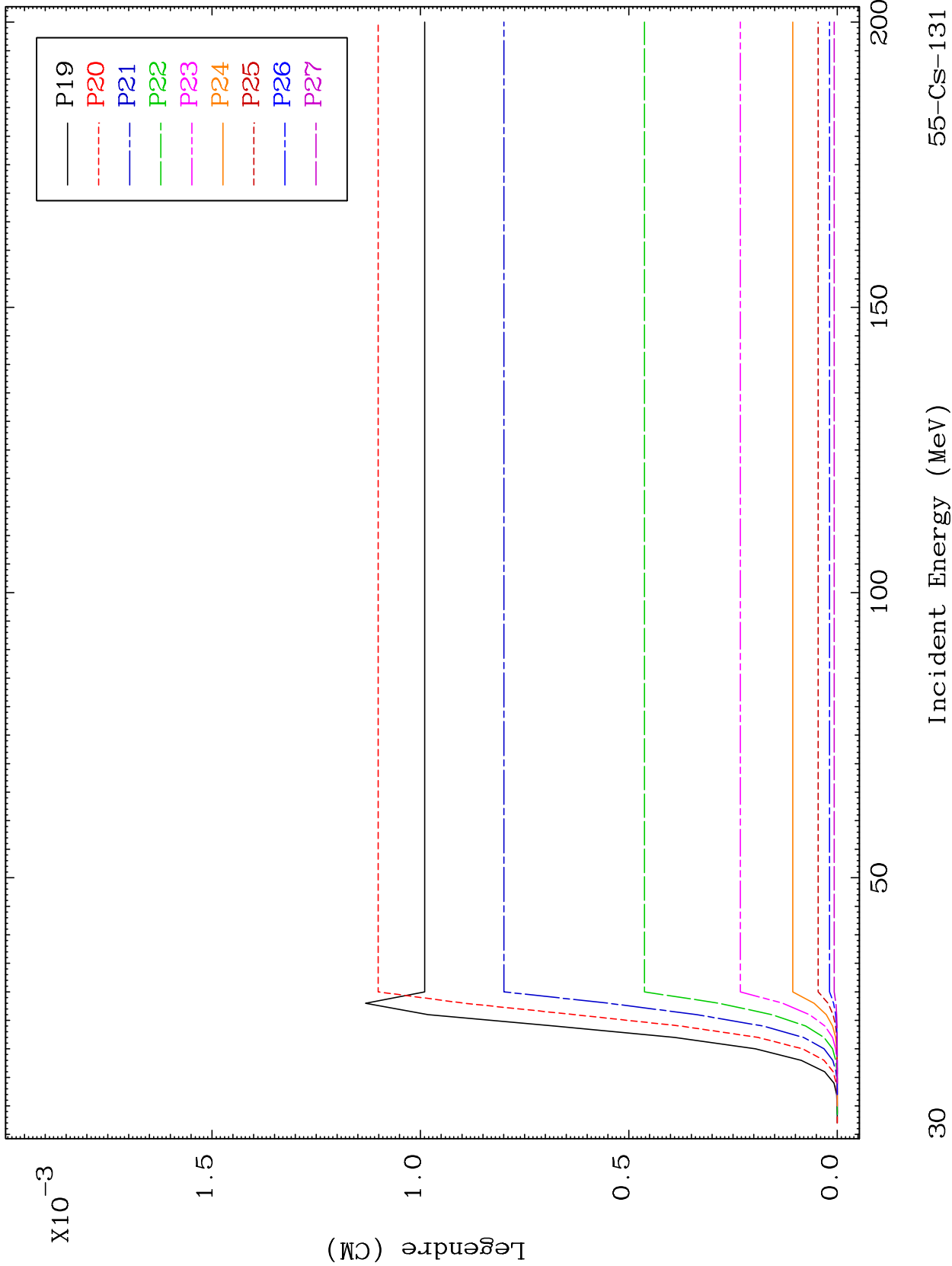
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

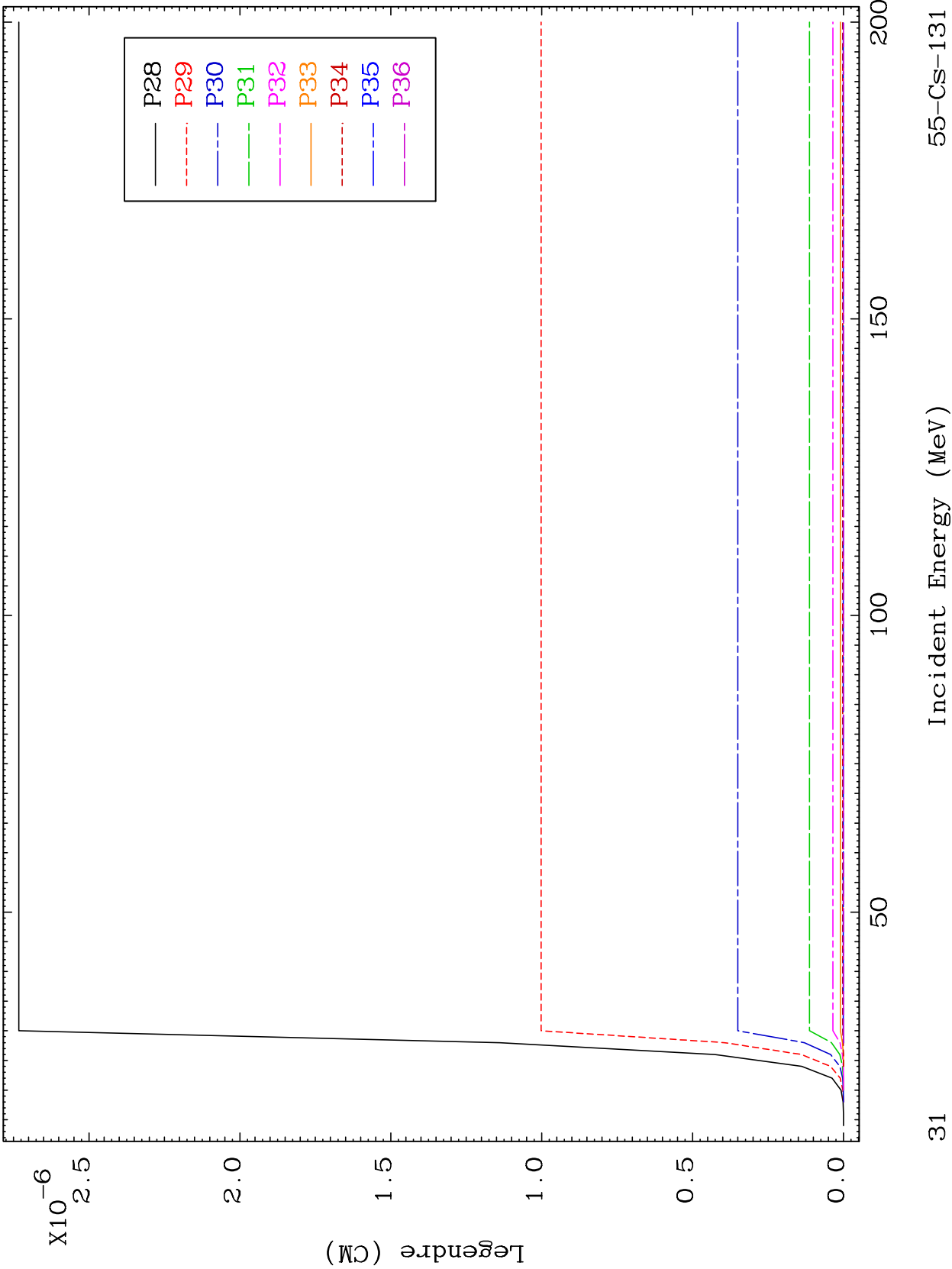
55-Cs-131



MAT 5519

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

55-Cs-131



31

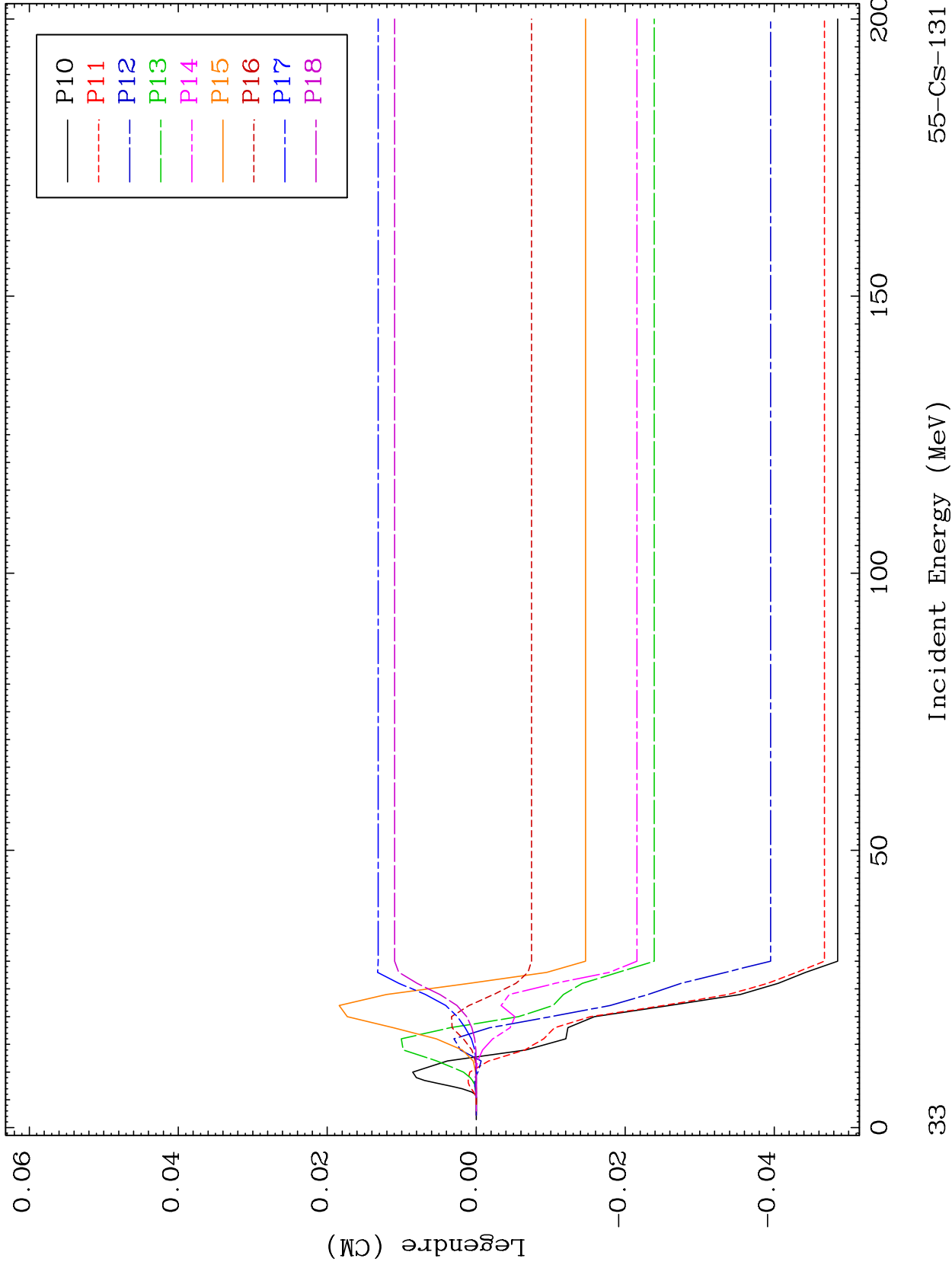
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



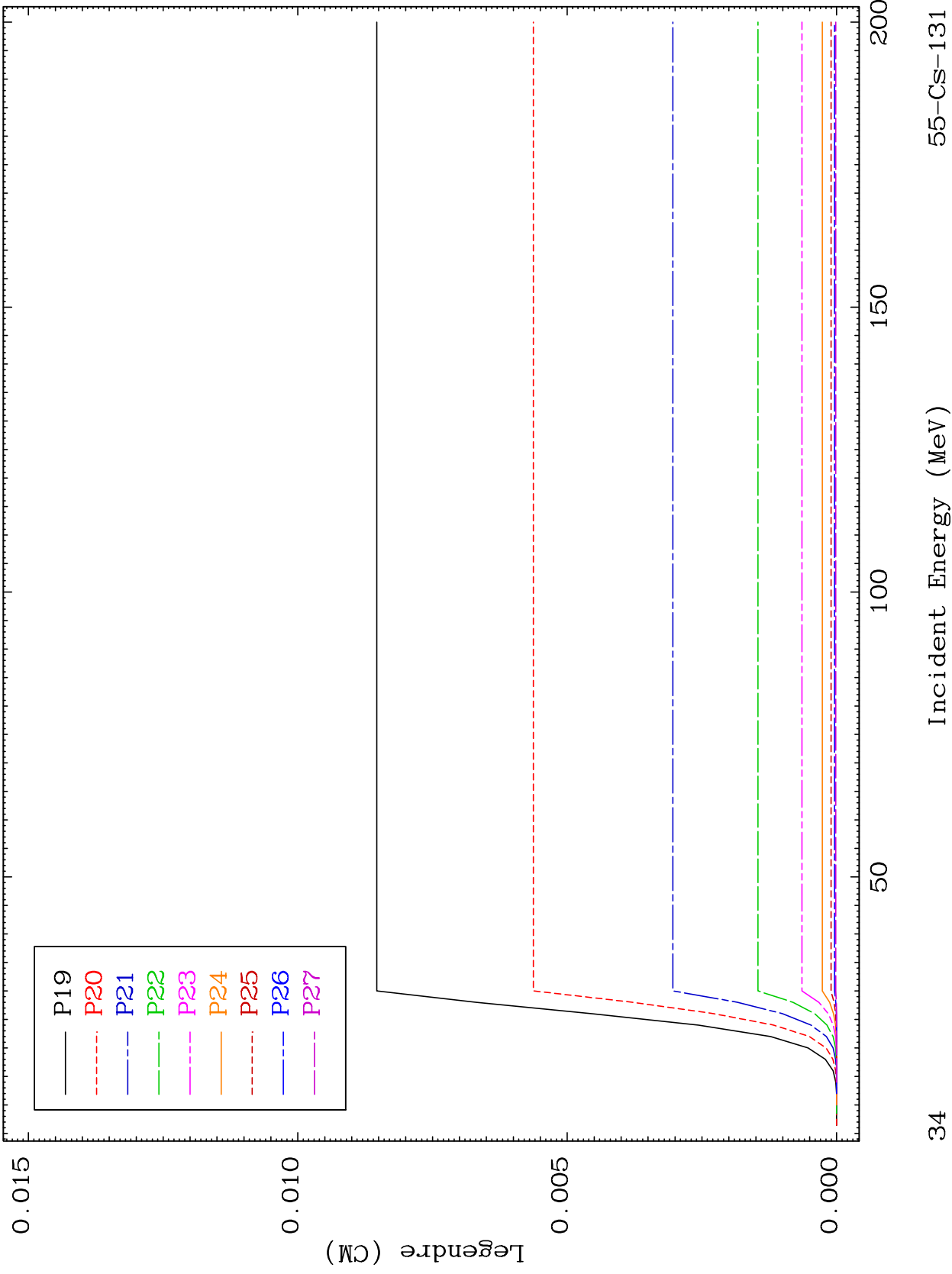
33

55-Cs-131

MAT 5519

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

55-Cs-131



34

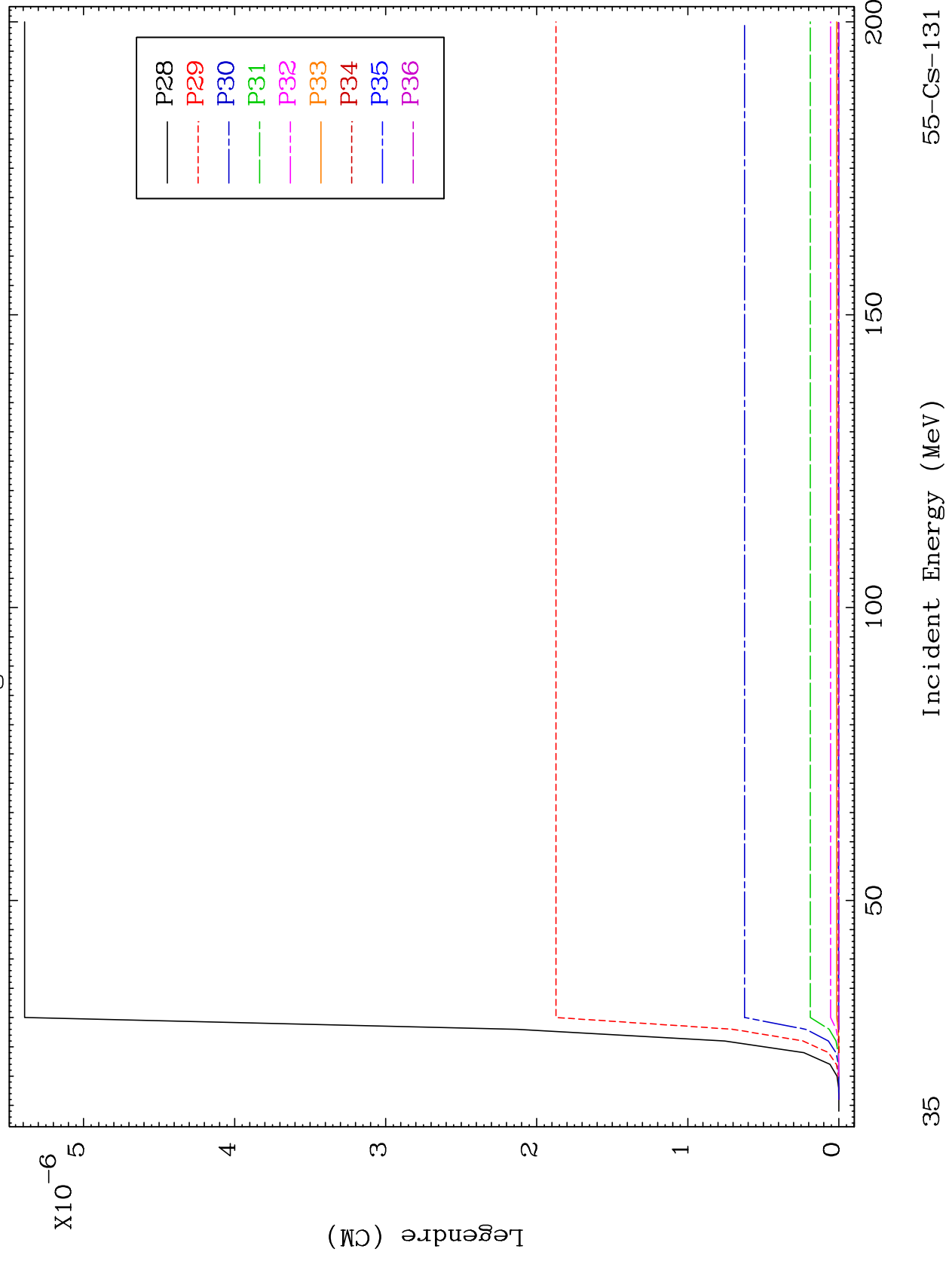
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



35

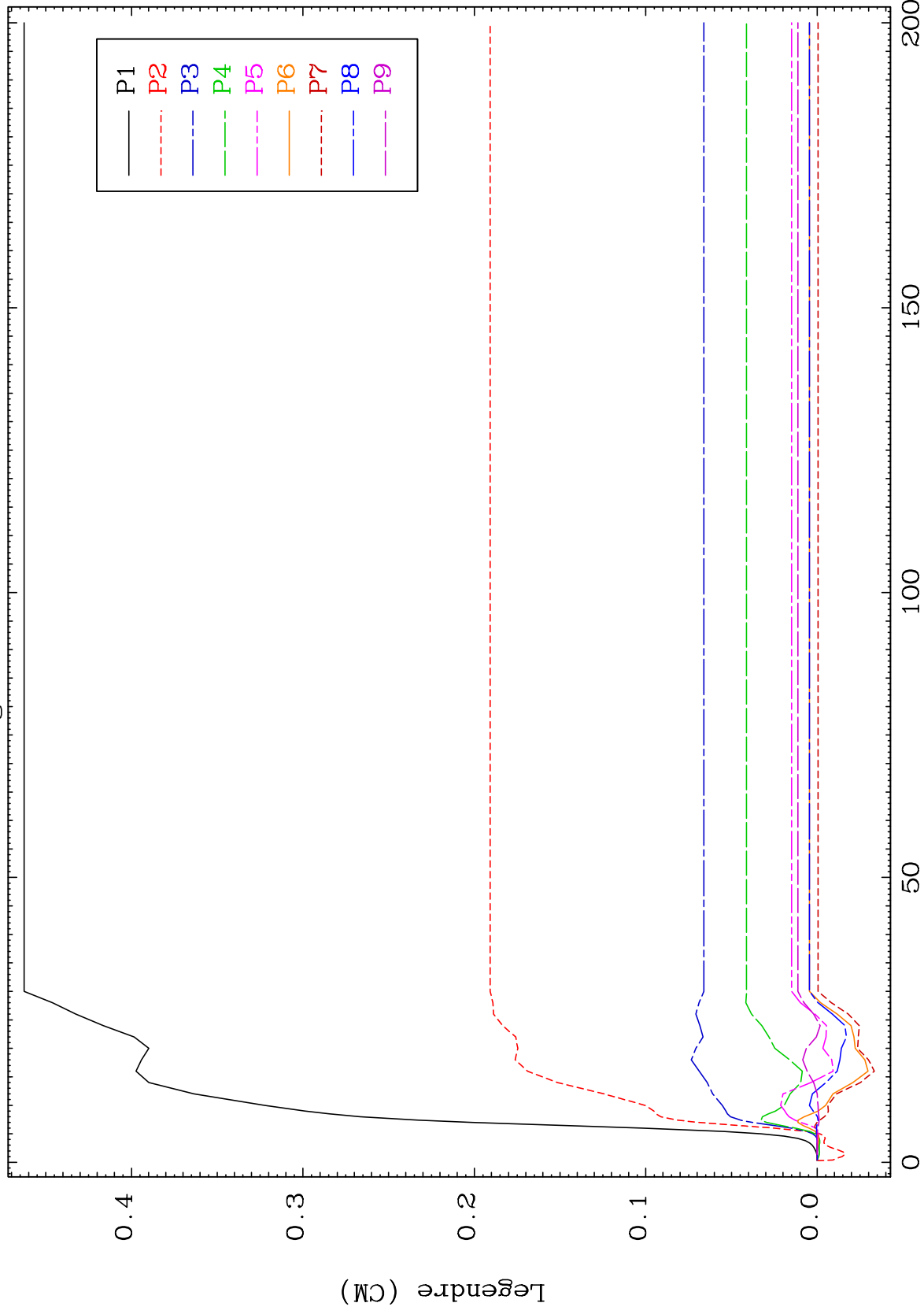
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



36

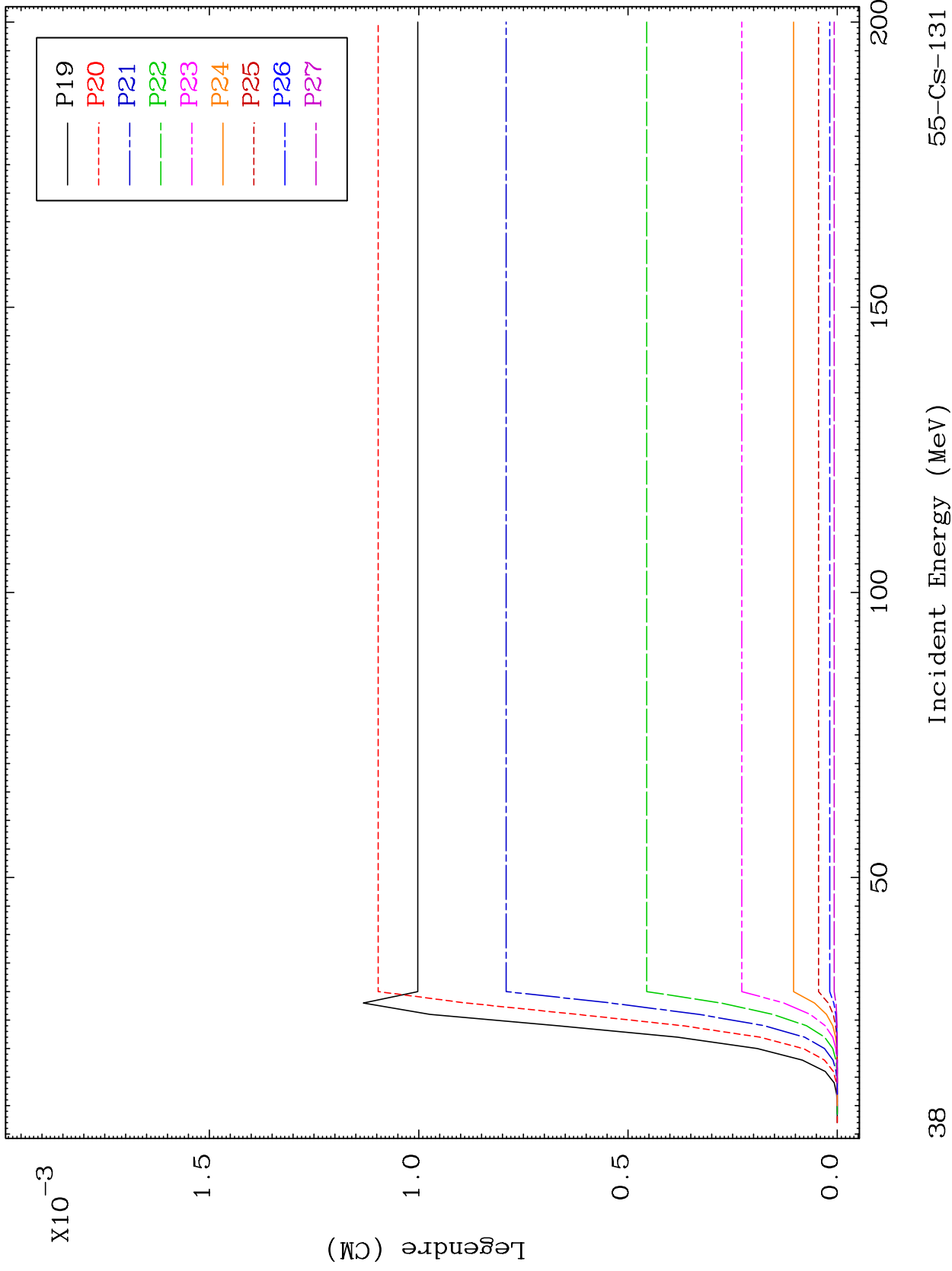
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

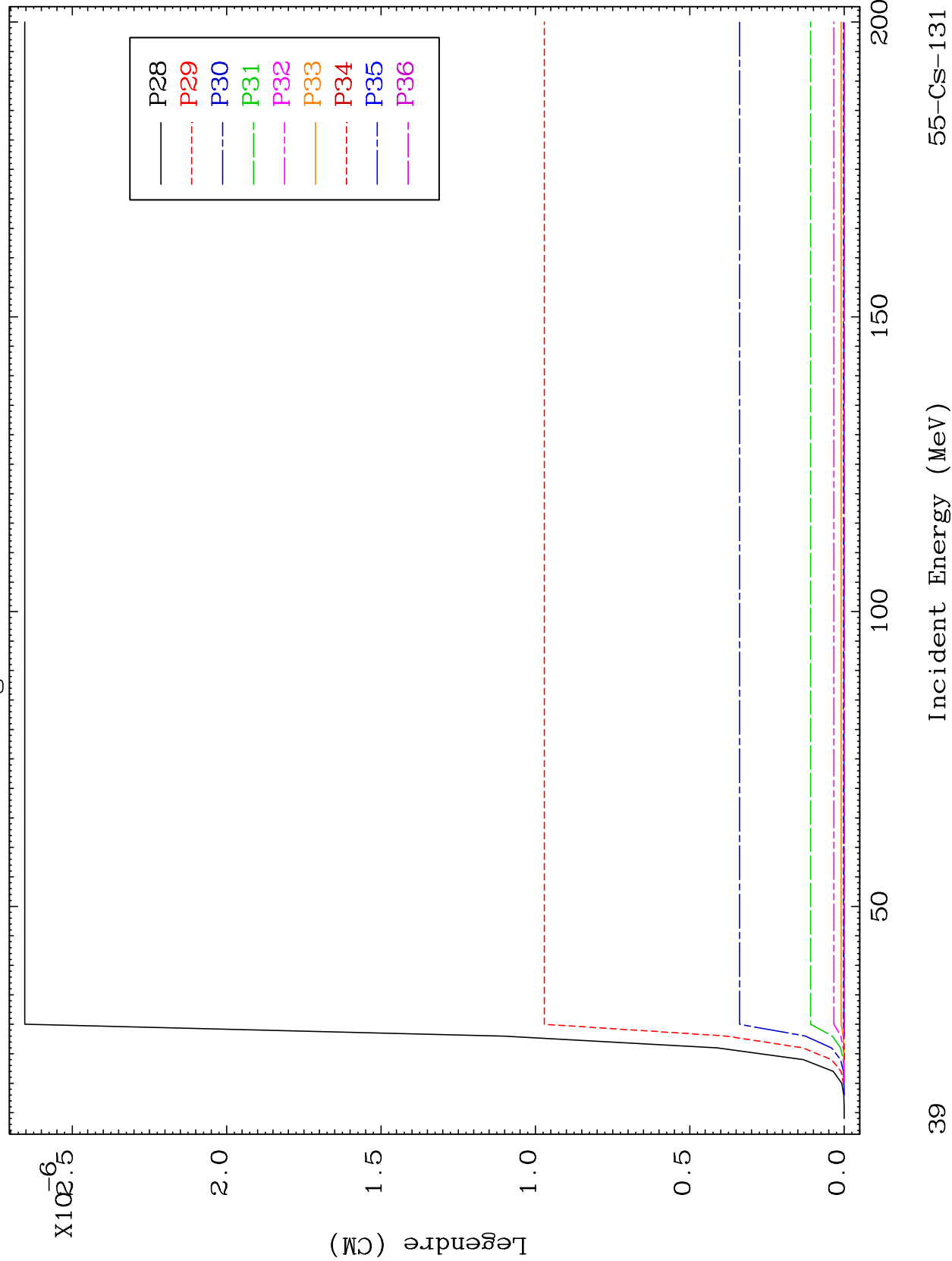
55-Cs-131



MAT 5519

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

55-Cs-131



39

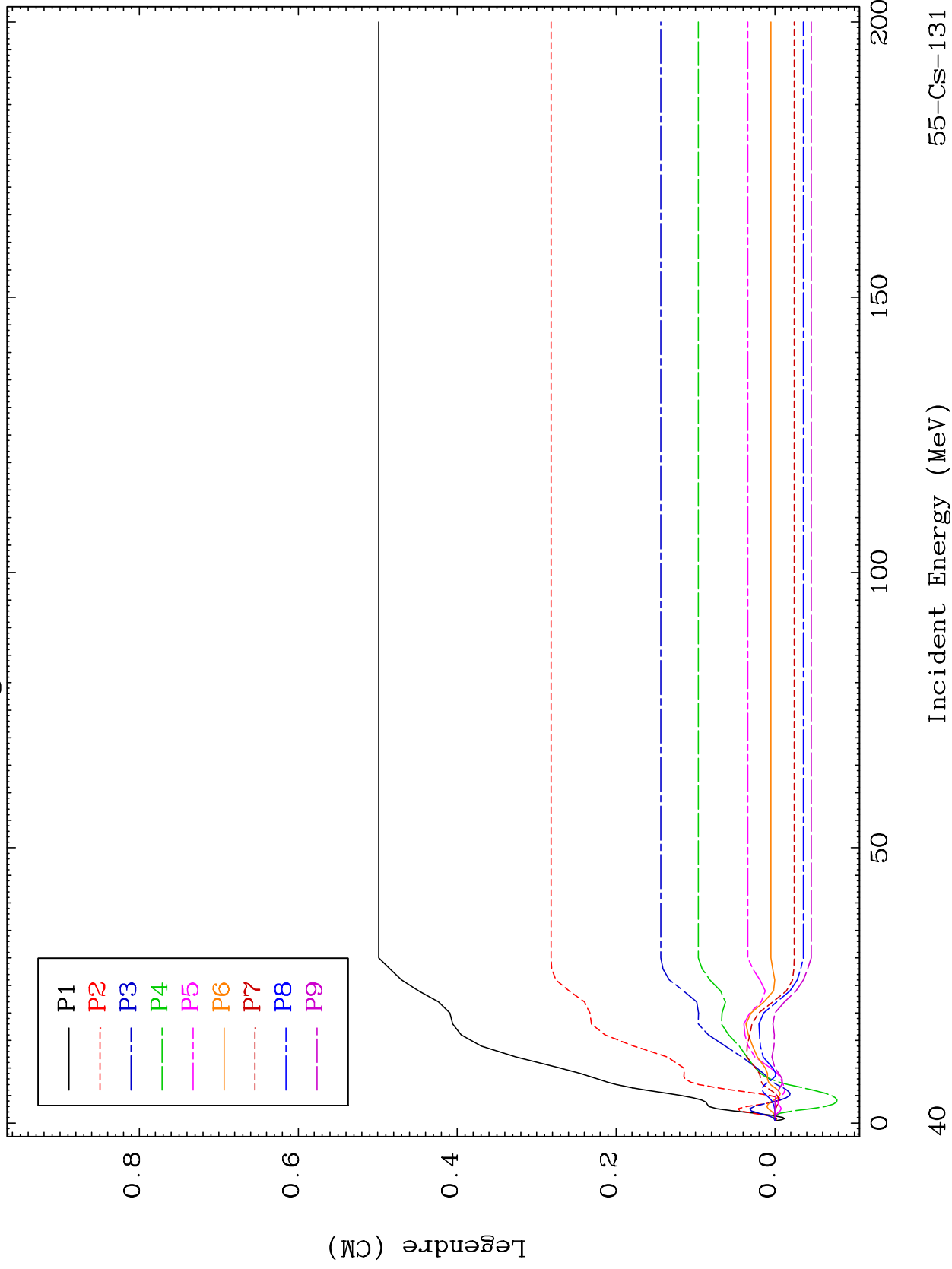
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



55-Cs-131

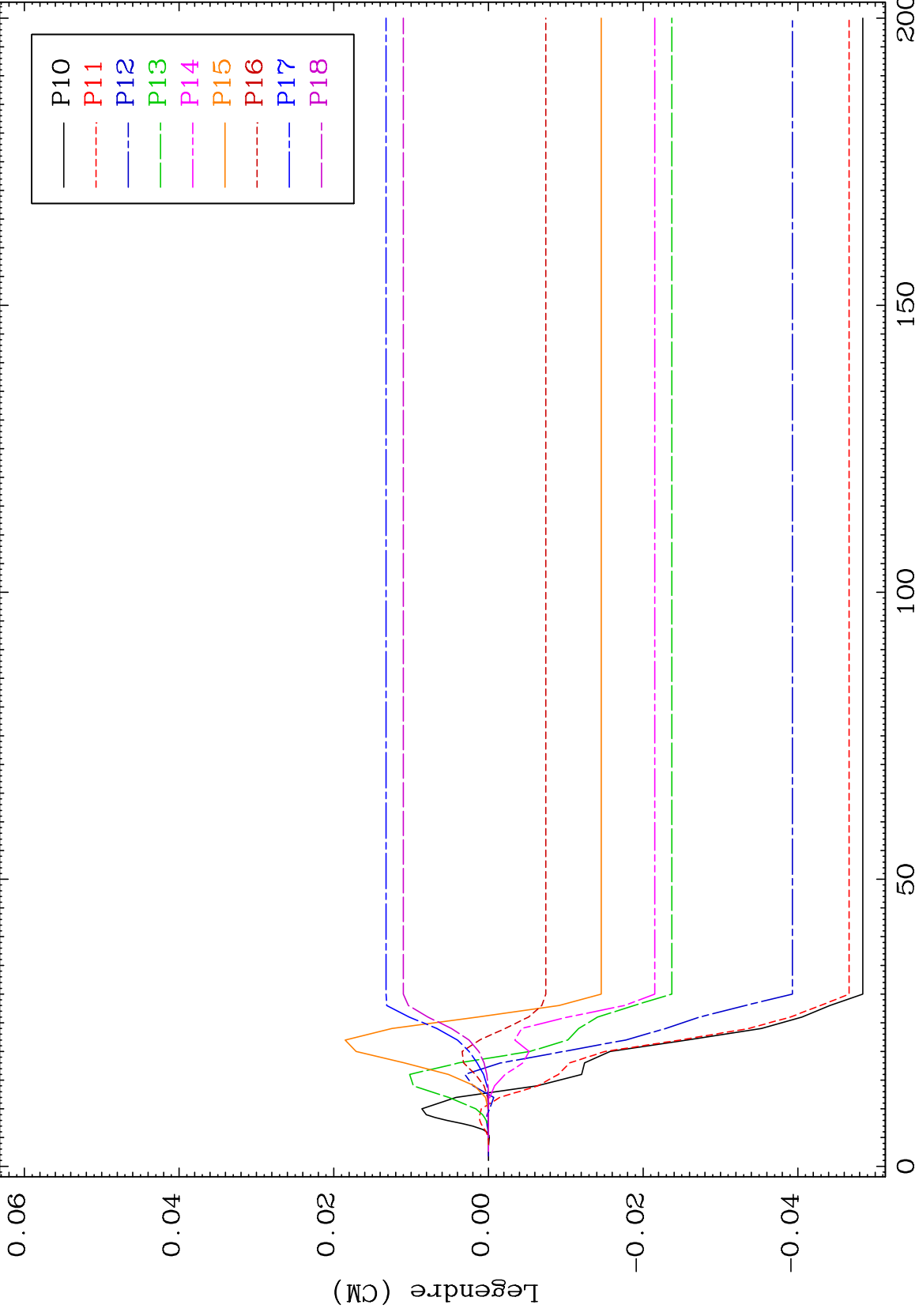
Incident Energy (MeV)

40

MAT 5519

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

55-Cs-131



41

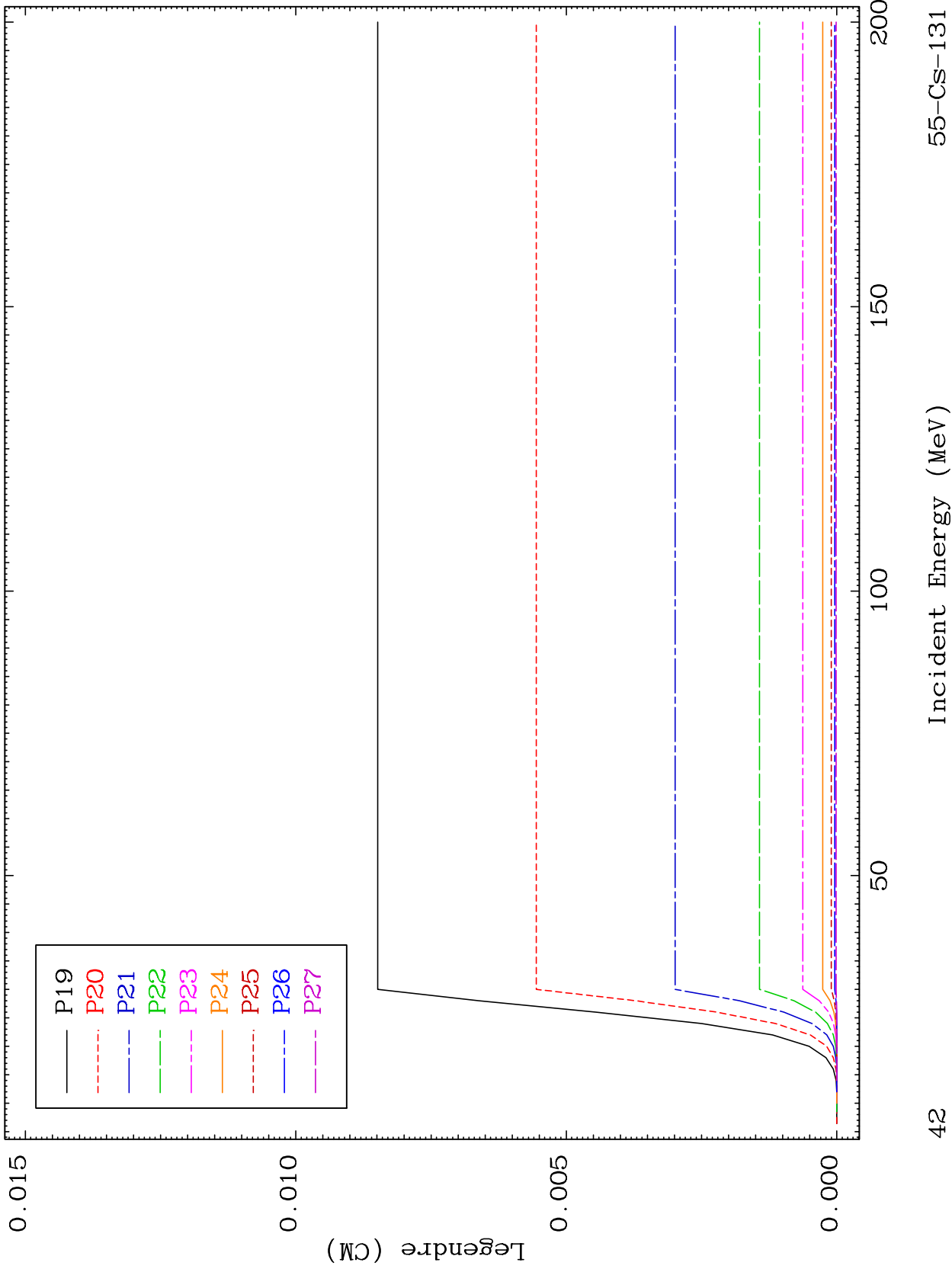
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



42

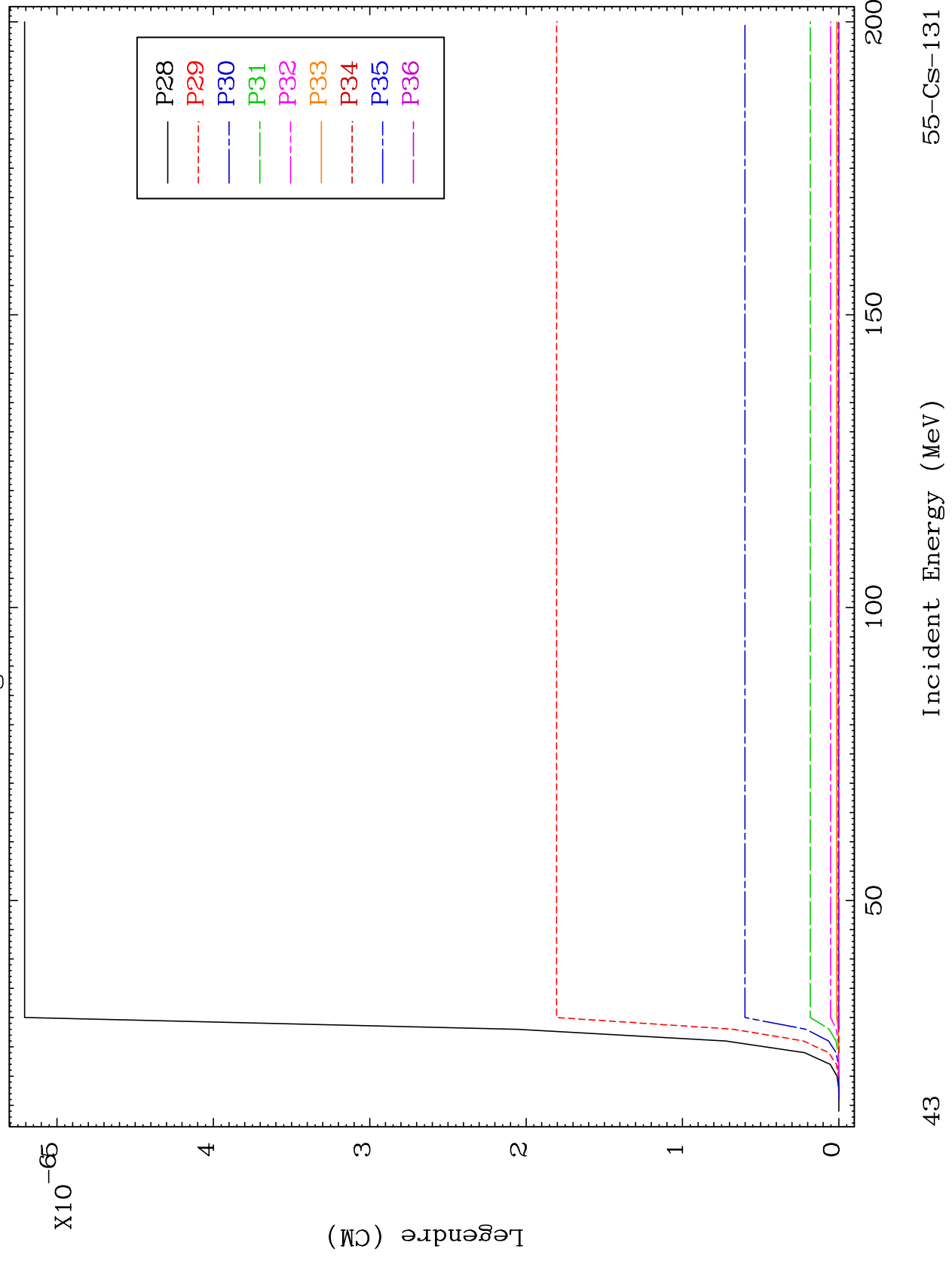
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



43

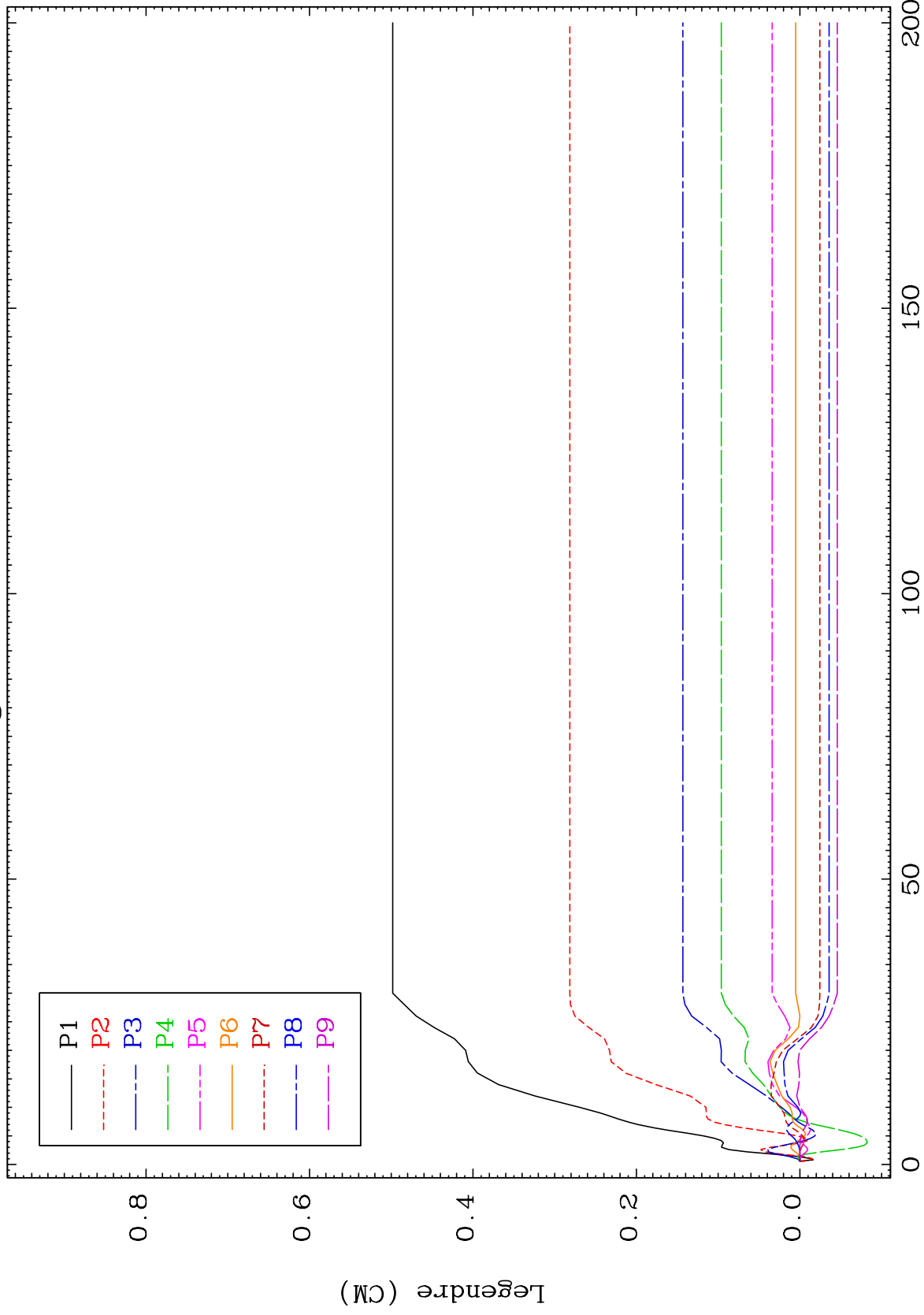
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



44

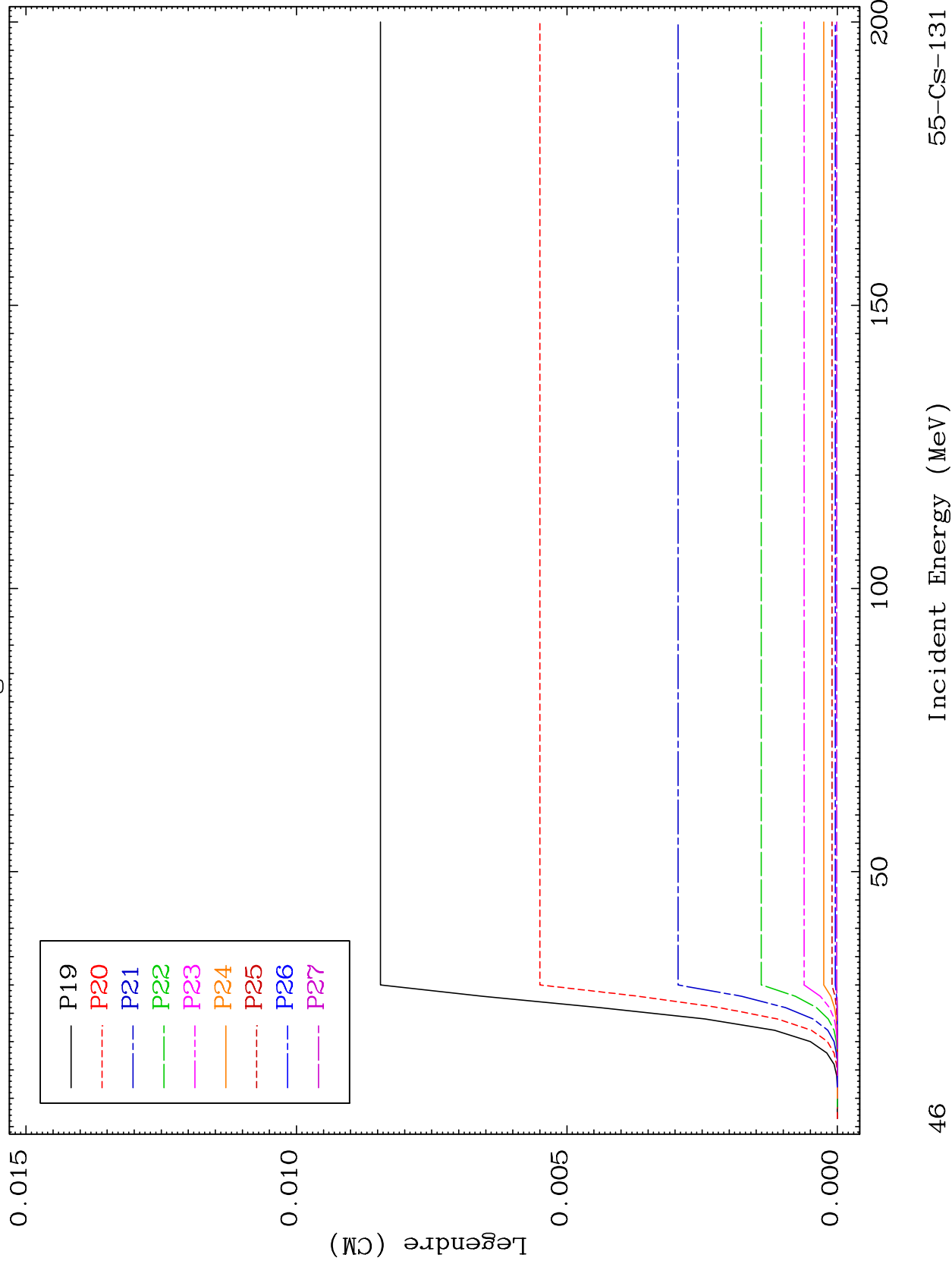
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



46

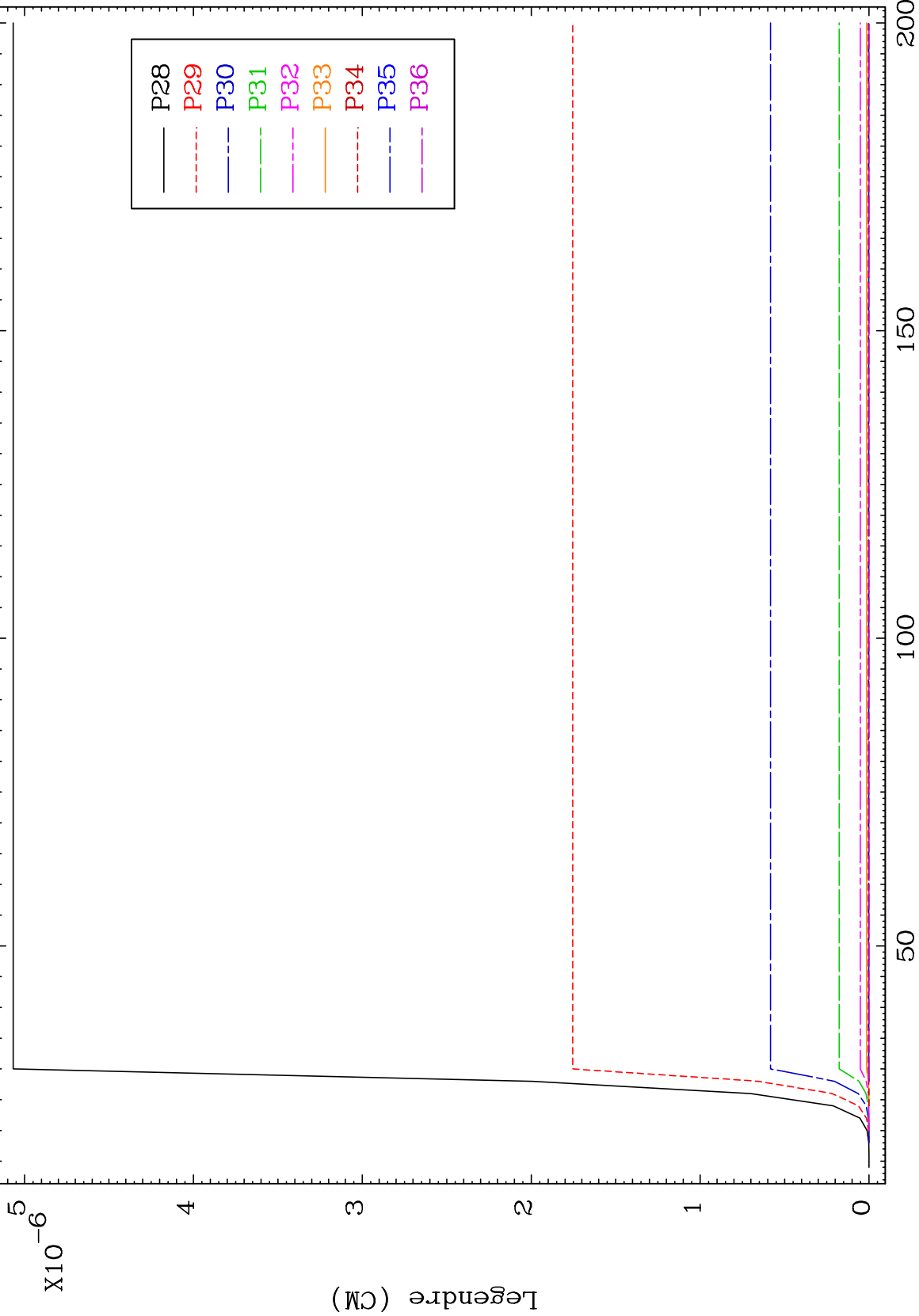
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



47

Incident Energy (MeV)

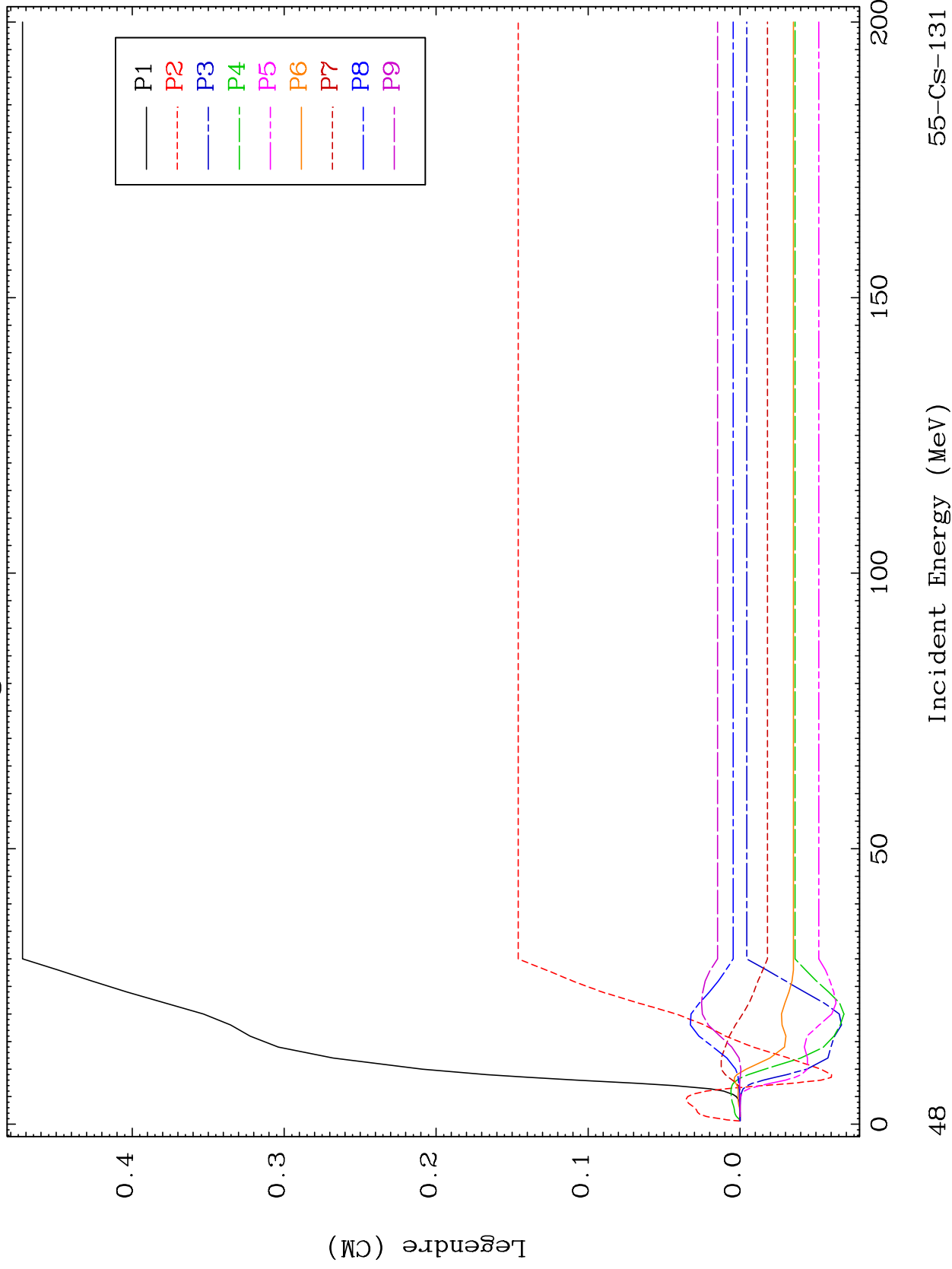
55-Cs-131

MAT 5519

MT= 58 (n,n') Level

55-Cs-131

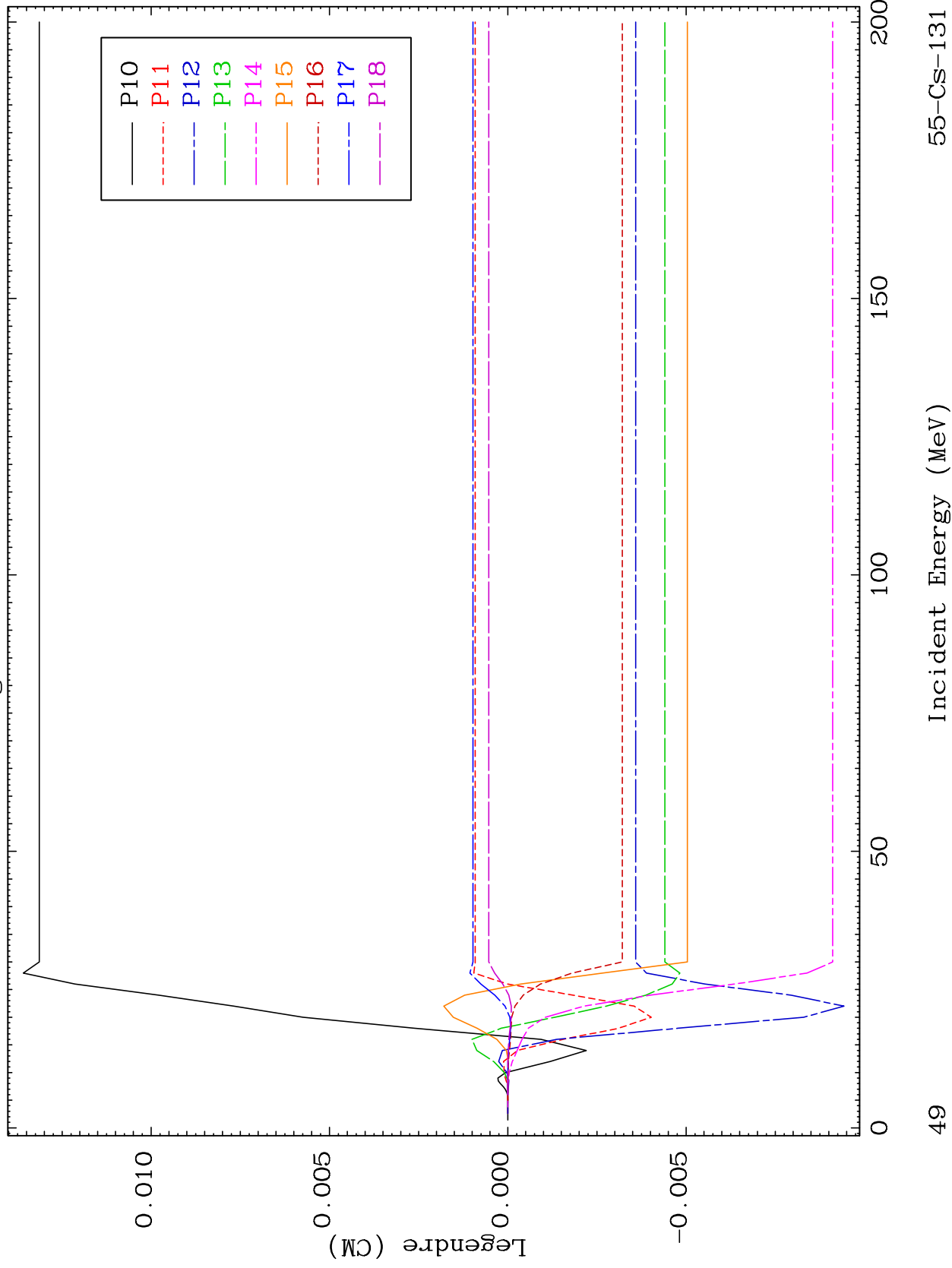
Legendre Coefficients



MAT 5519

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

55-Cs-131



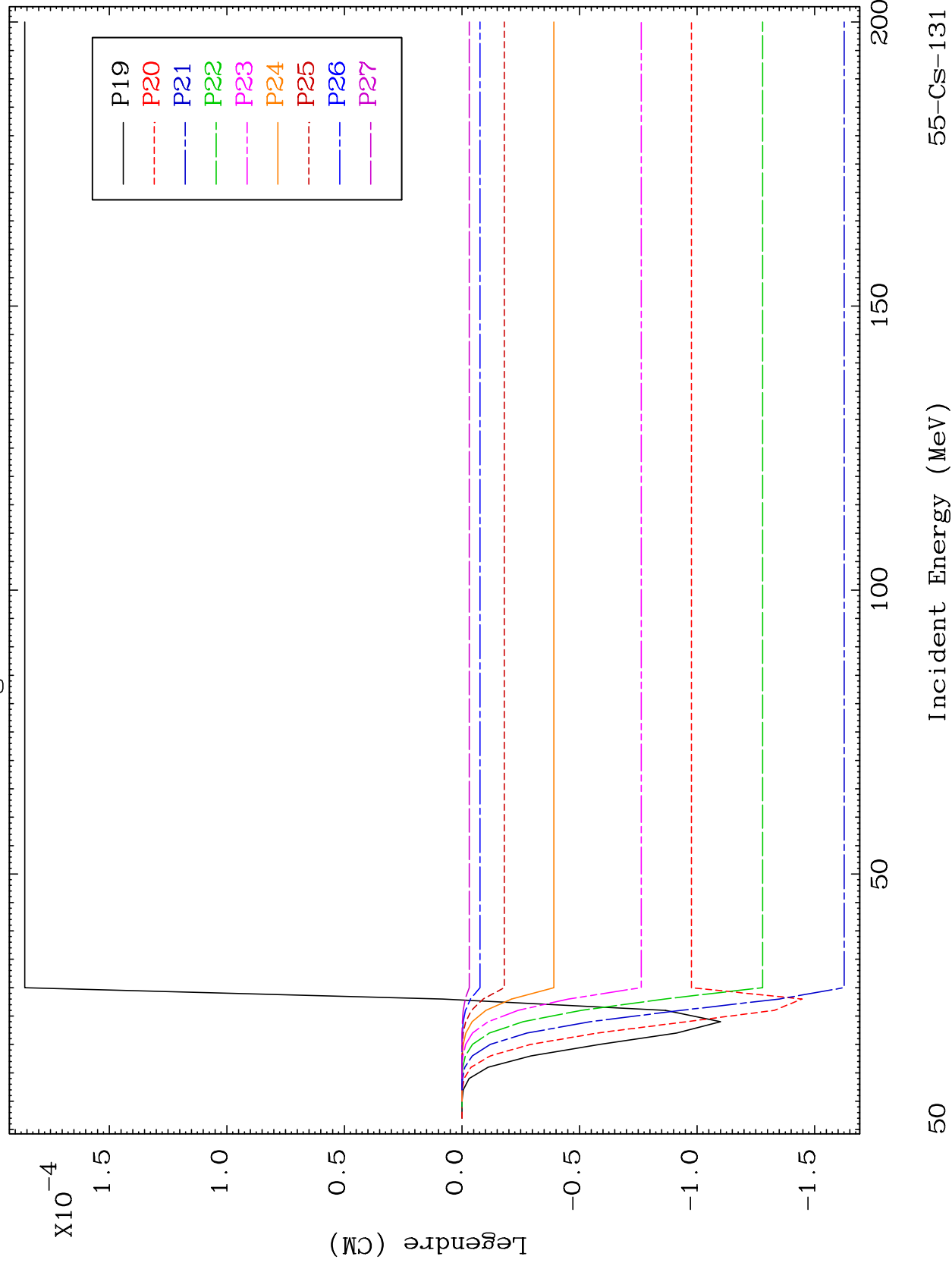
49

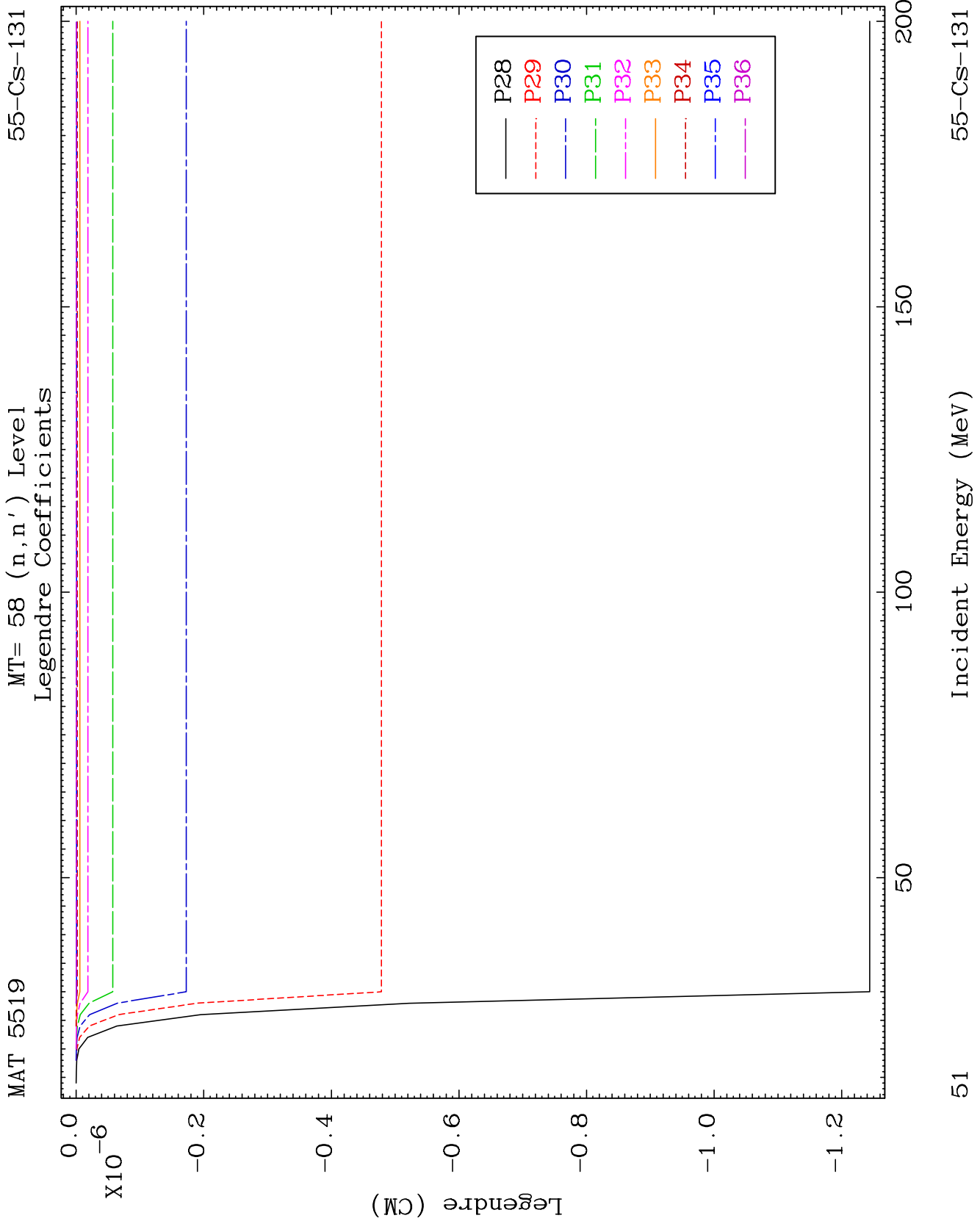
55-Cs-131

MAT 5519

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

55-Cs-131

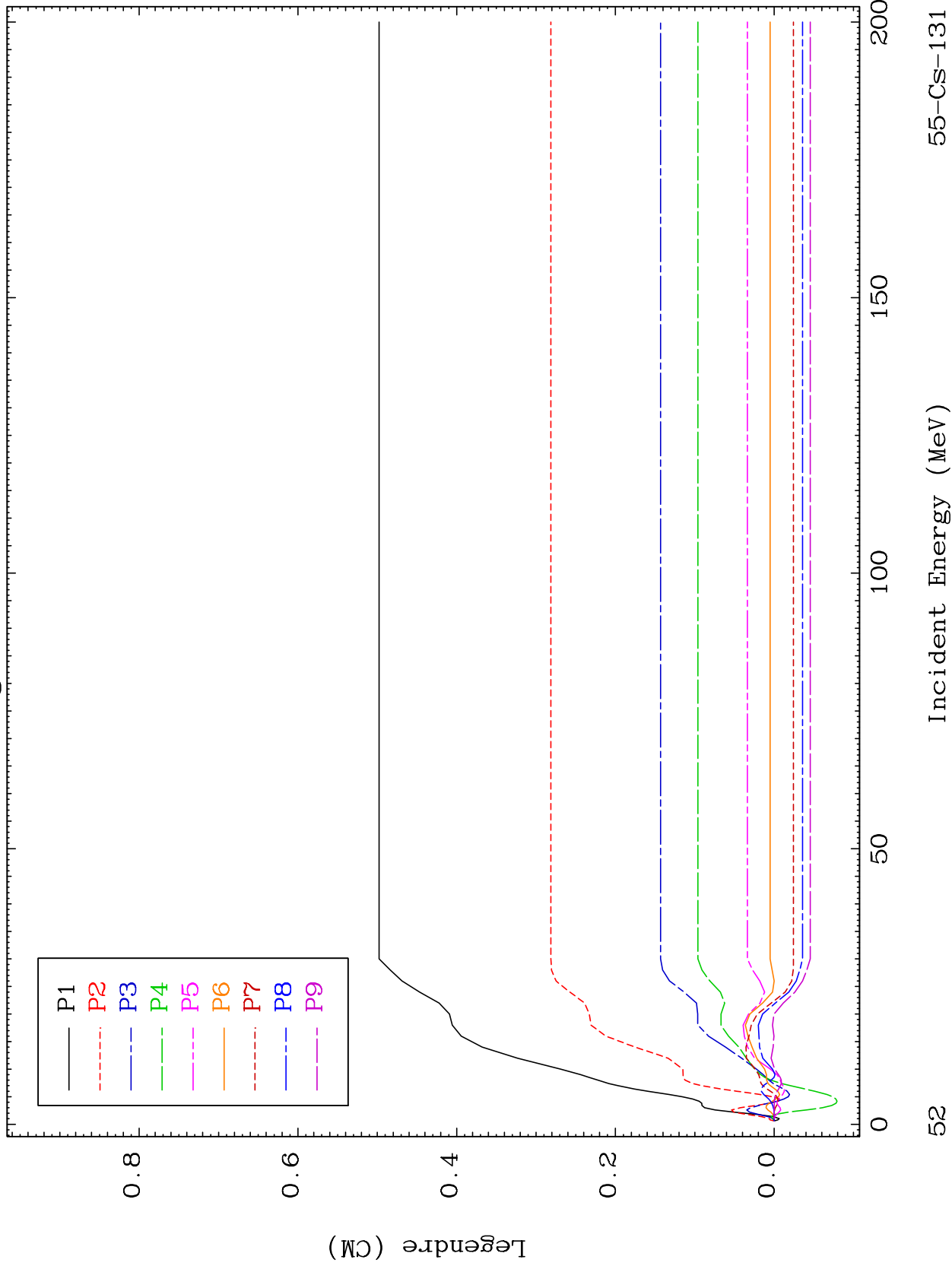




MAT 5519

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

55-Cs-131



55-Cs-131

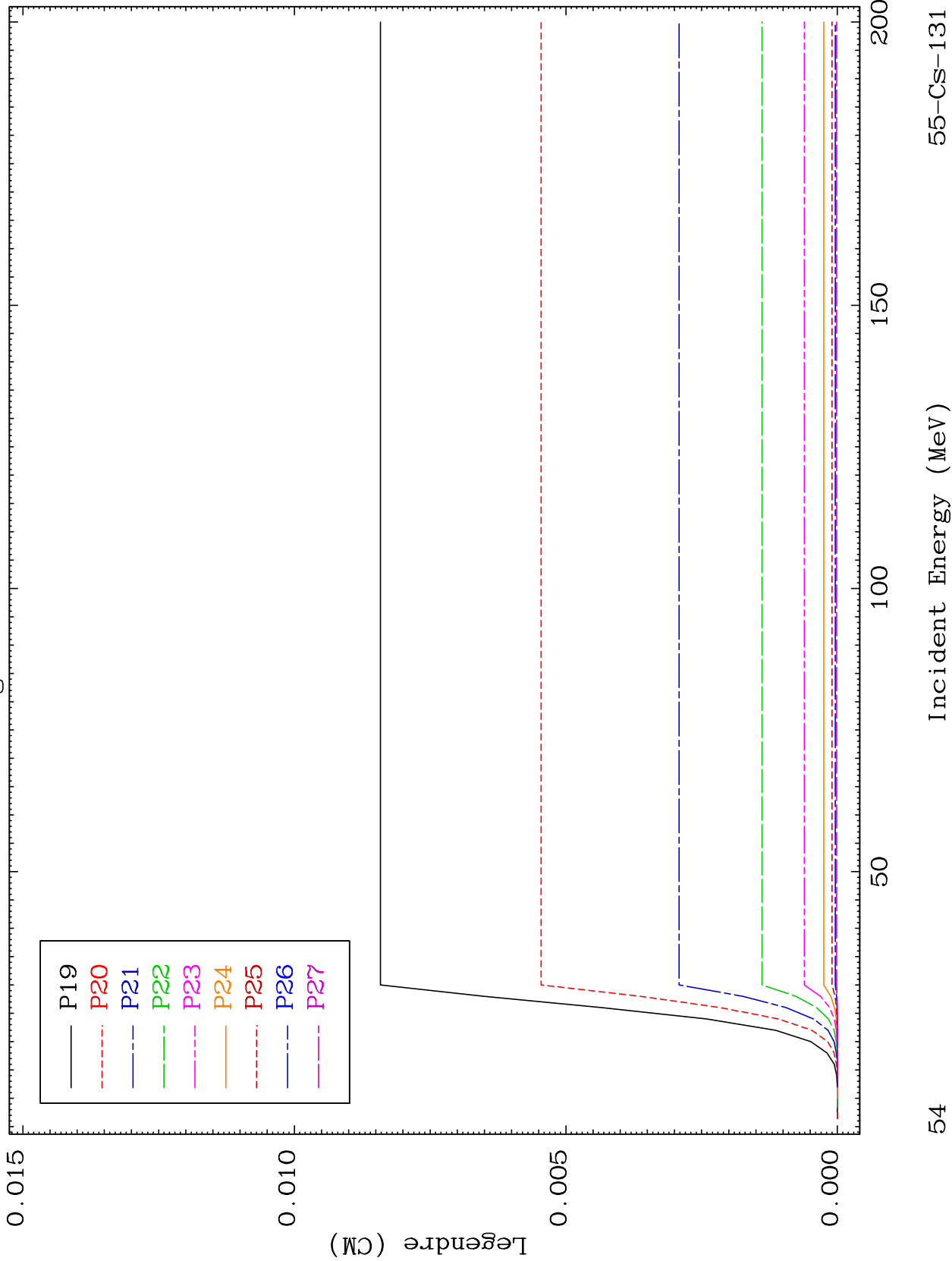
Incident Energy (MeV)

52

MAT 5519

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

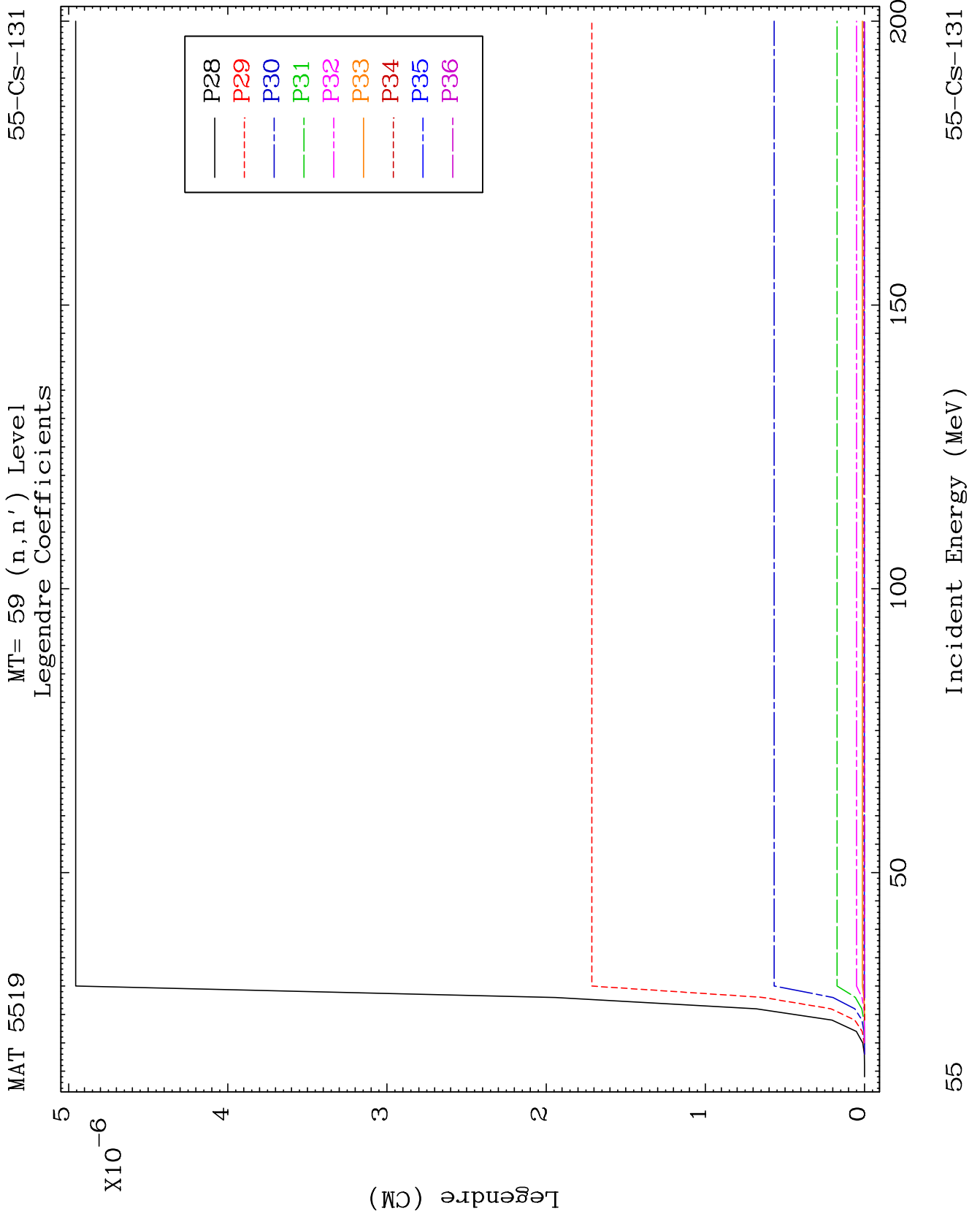
55-Cs-131

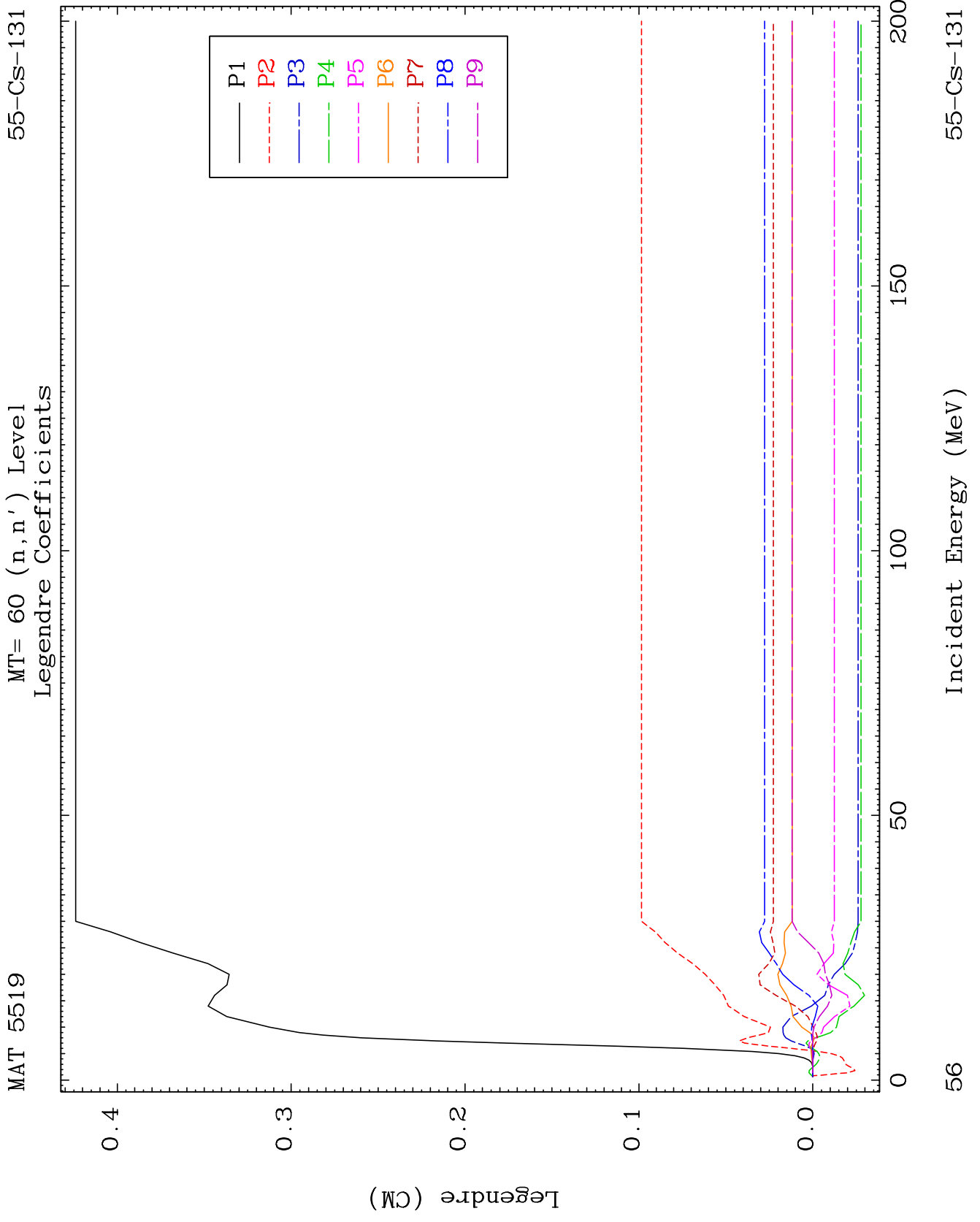


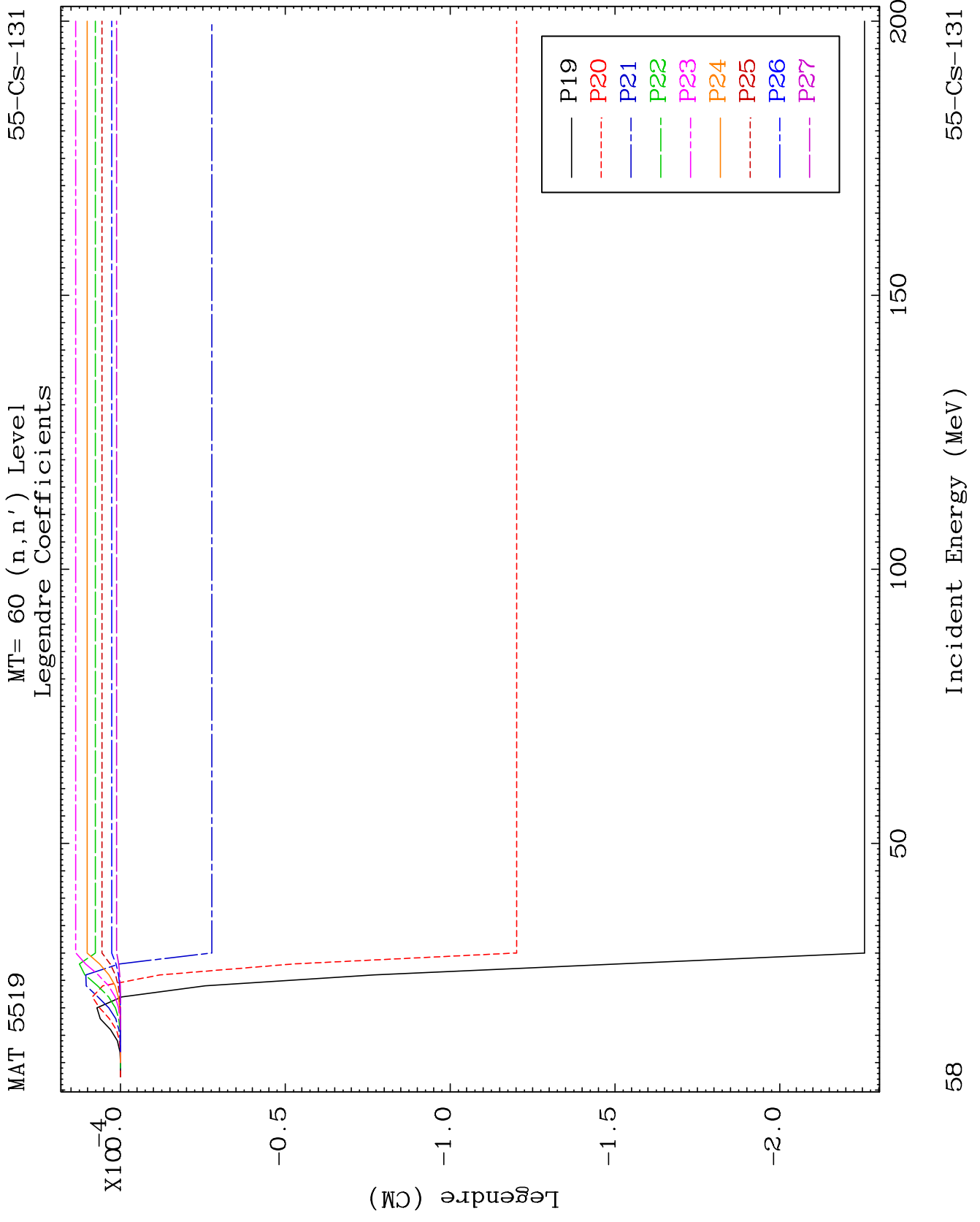
54

Incident Energy (MeV)

55-Cs-131



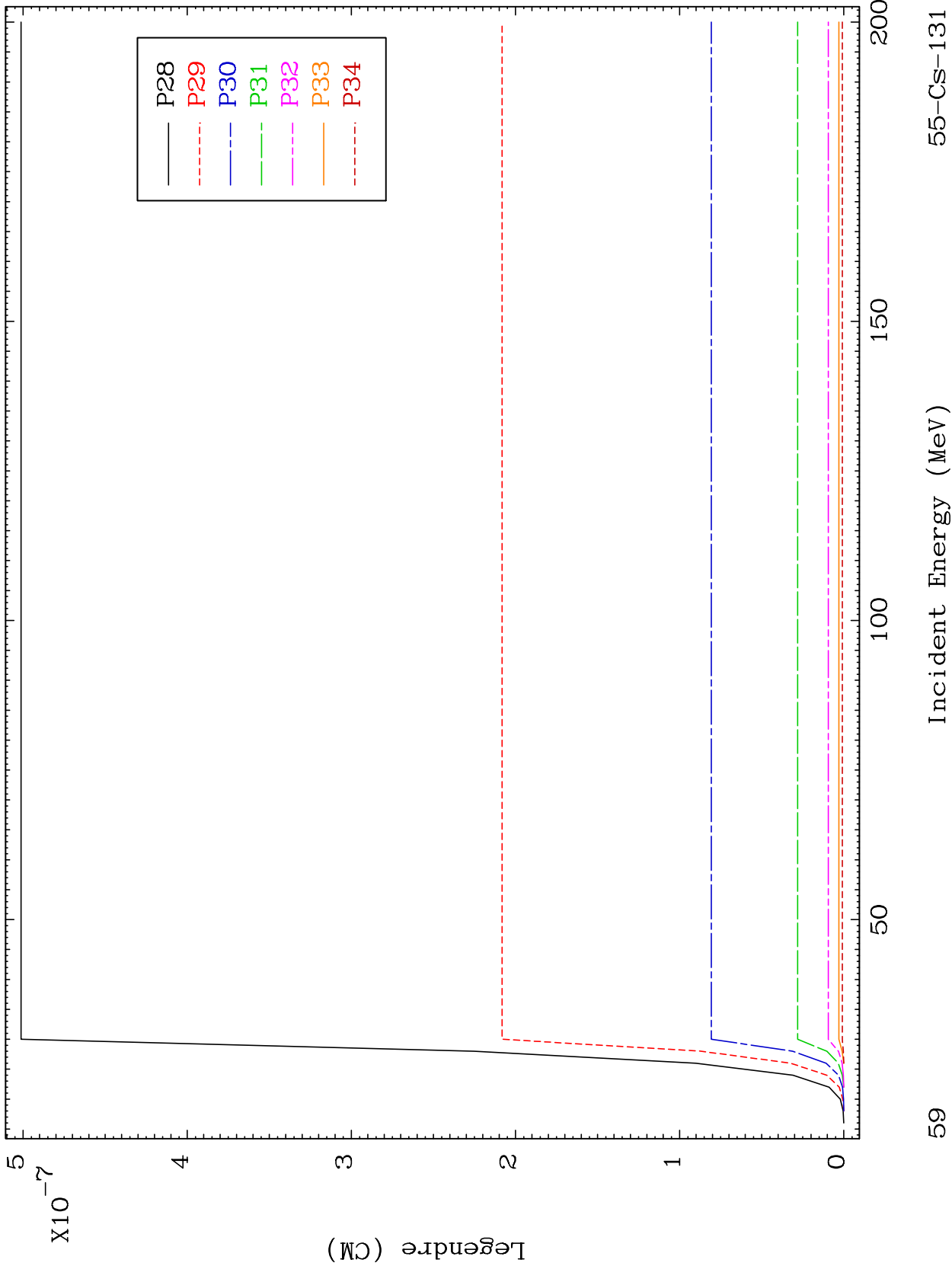




MAT 5519

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

55-Cs-131



59

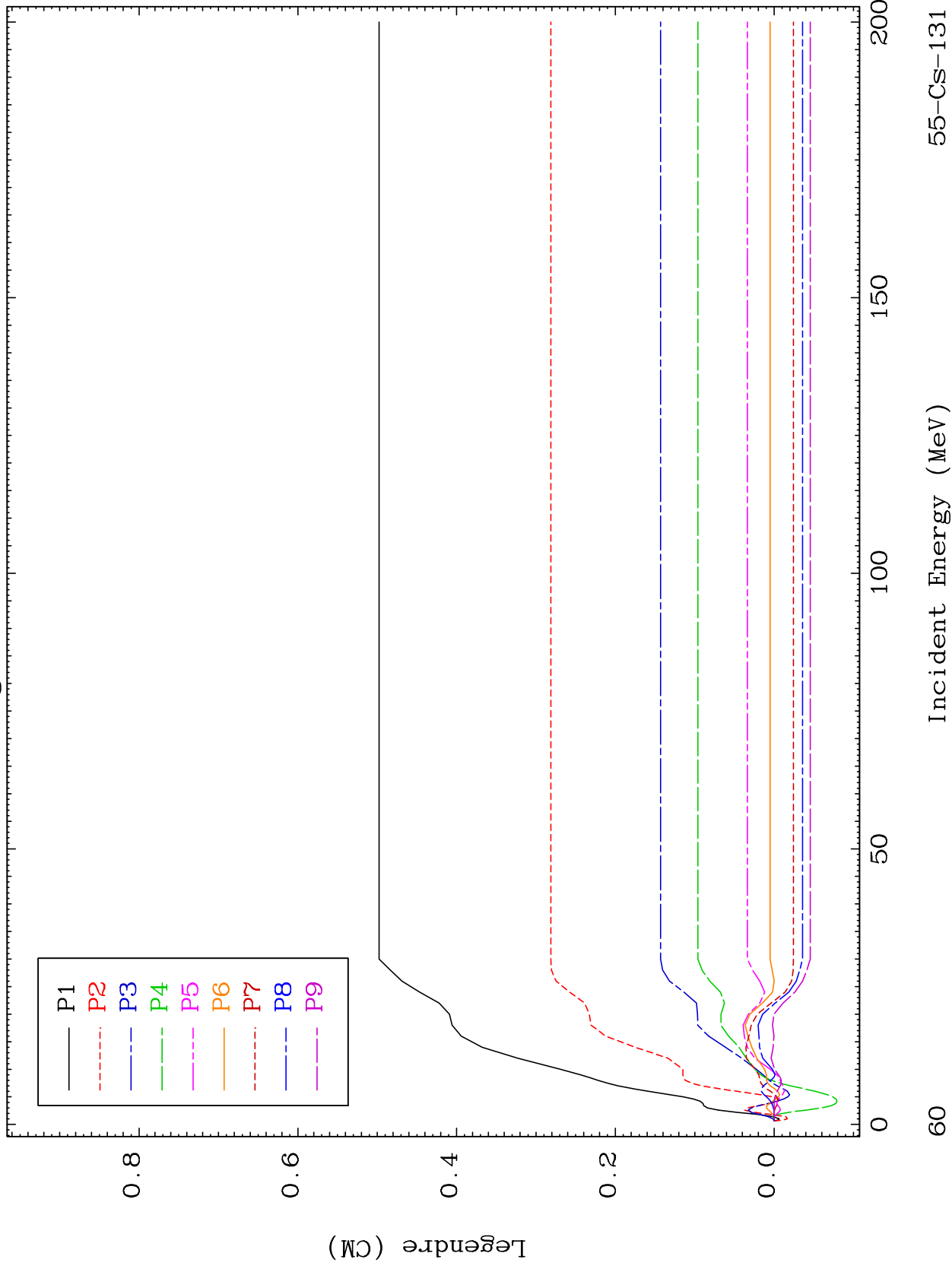
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131

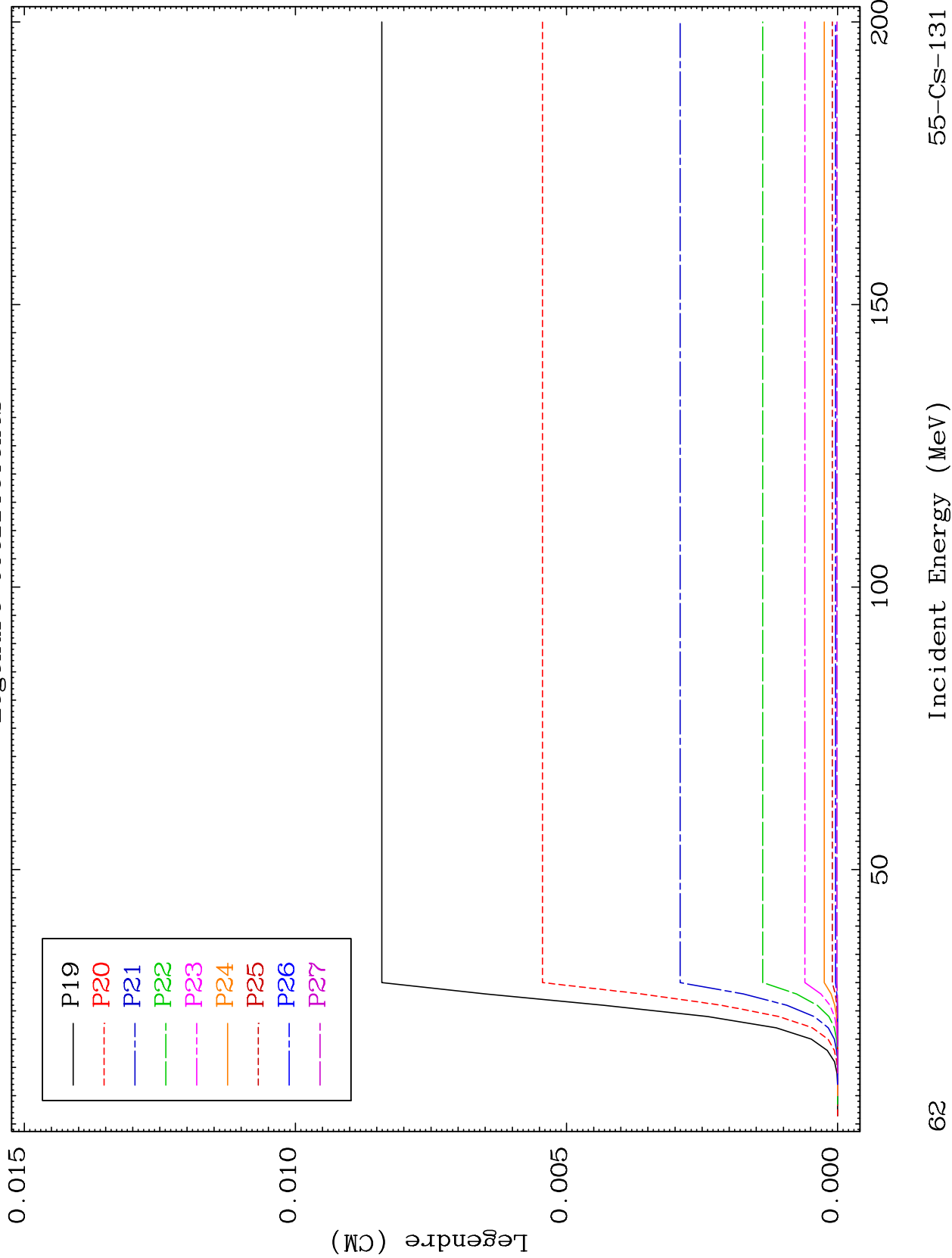


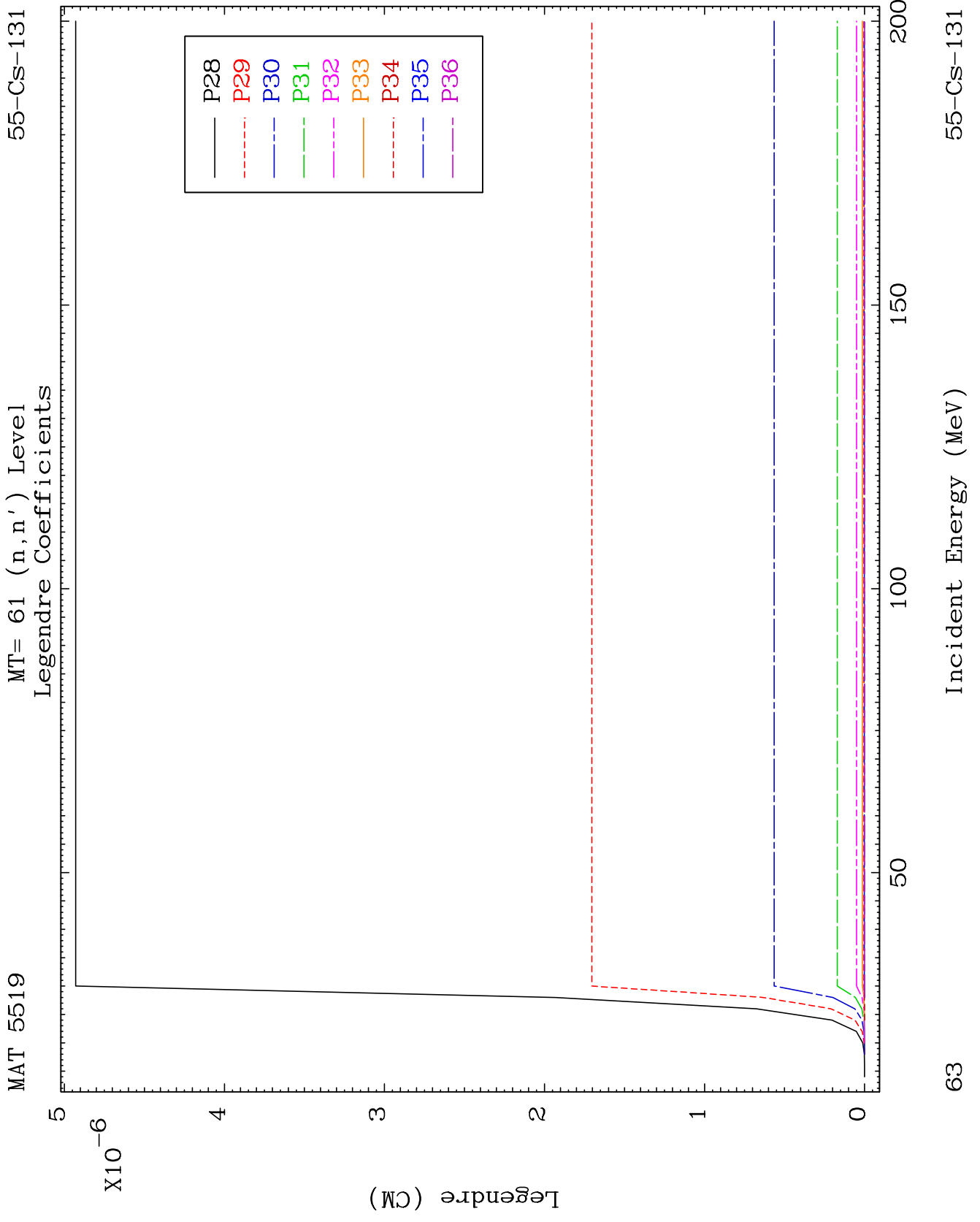
55-Cs-131

MAT 5519

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

55-Cs-131

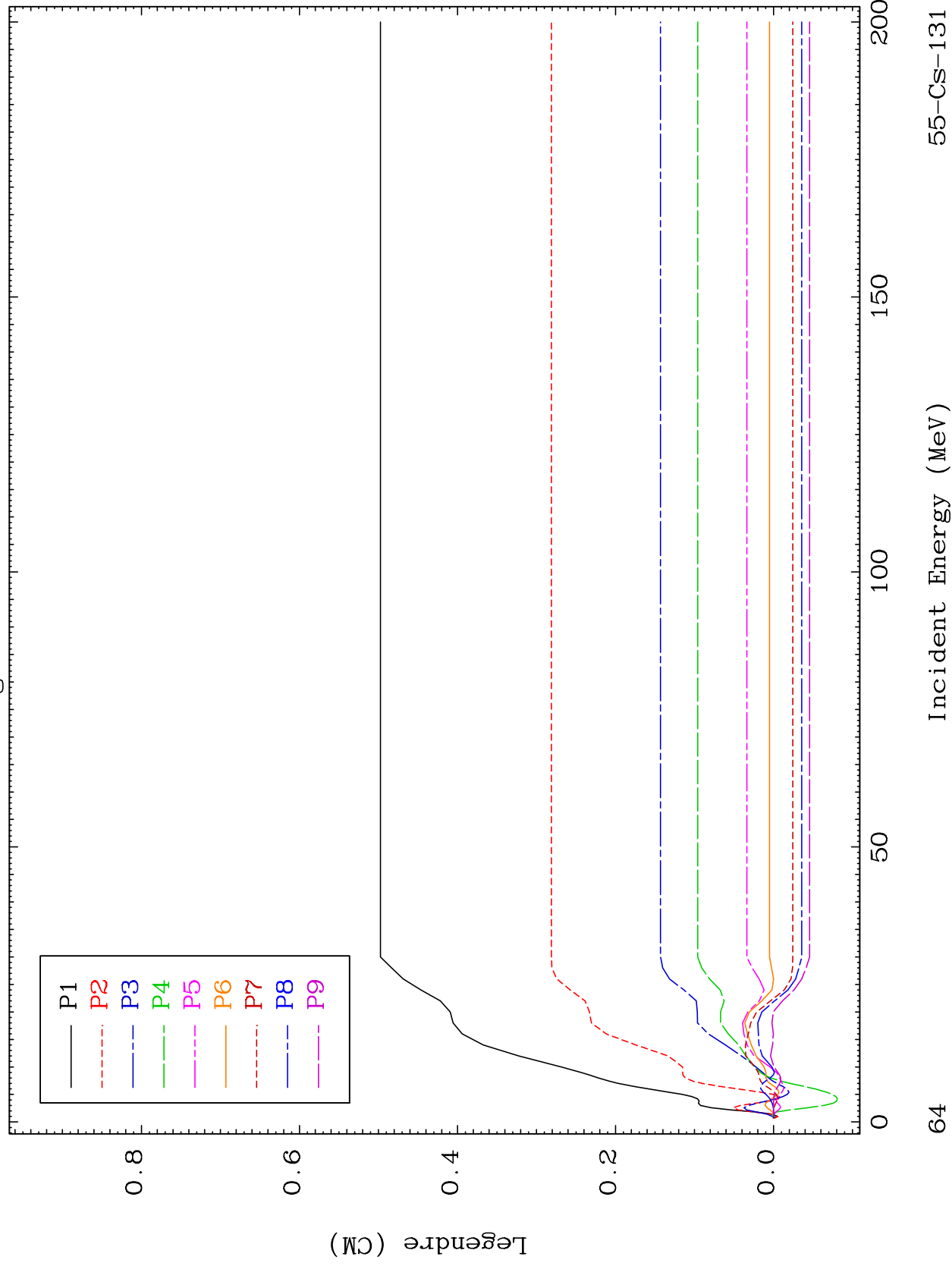




MAT 5519

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

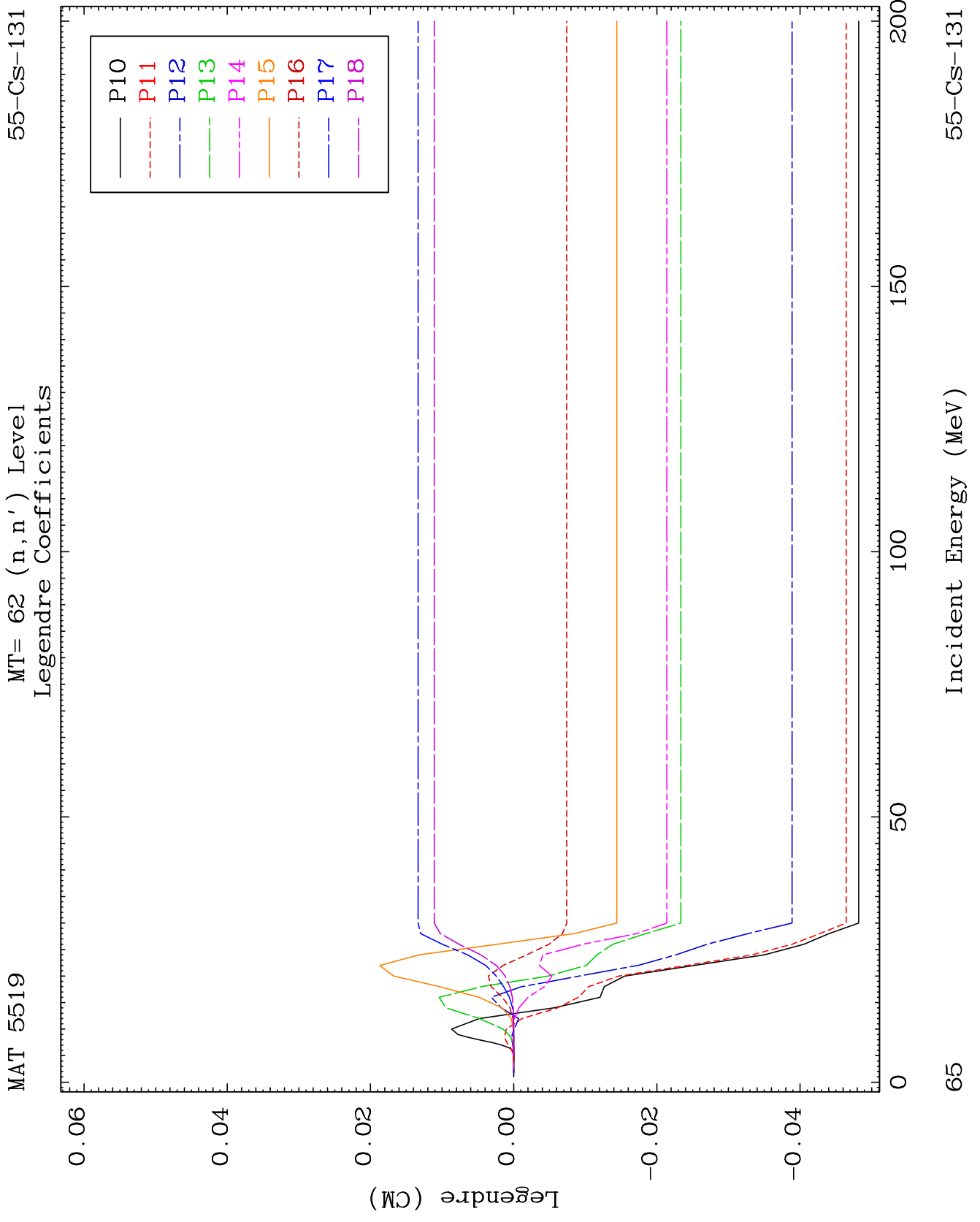
55-Cs-131



55-Cs-131

Incident Energy (MeV)

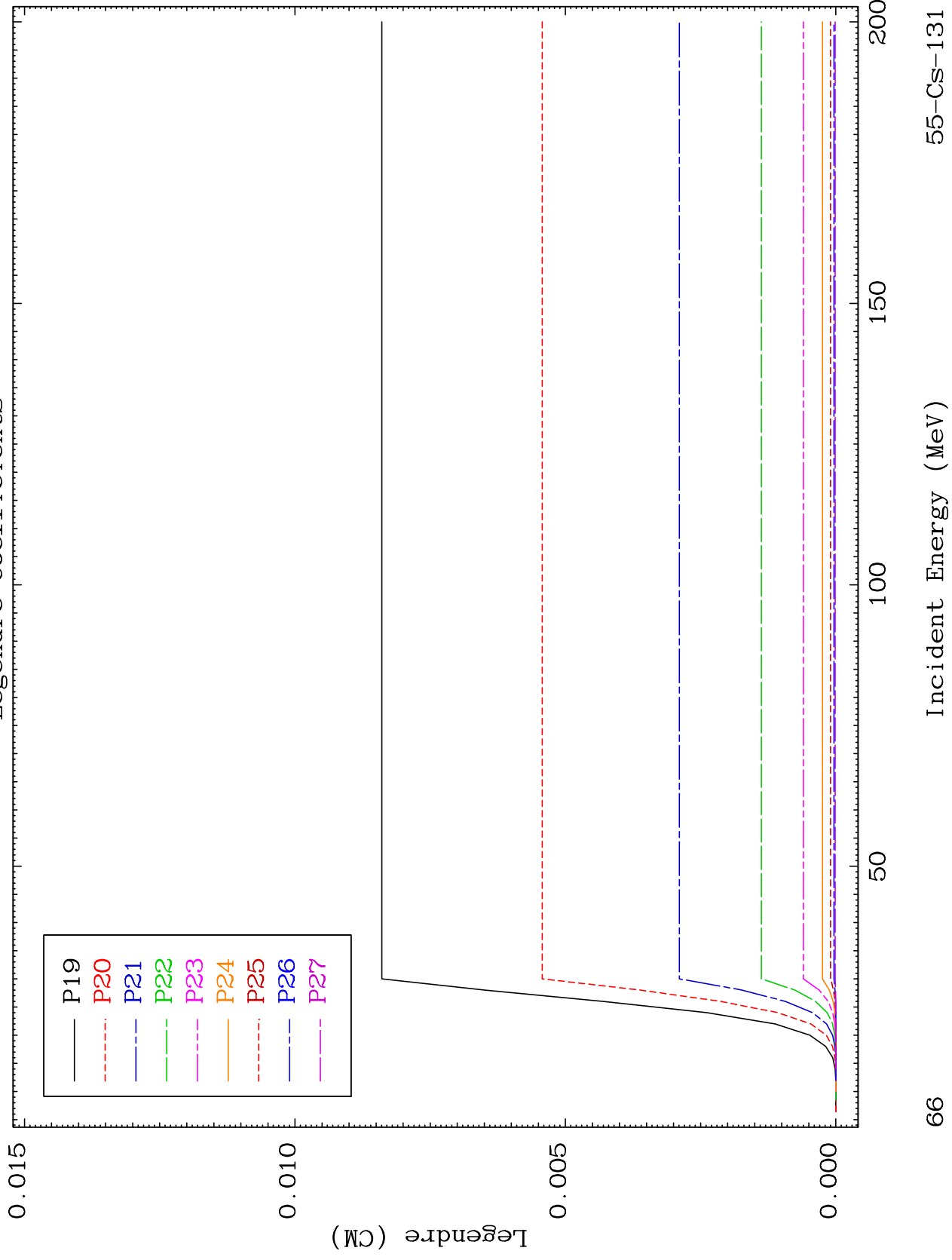
64



MAT 5519

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

55-Cs-131



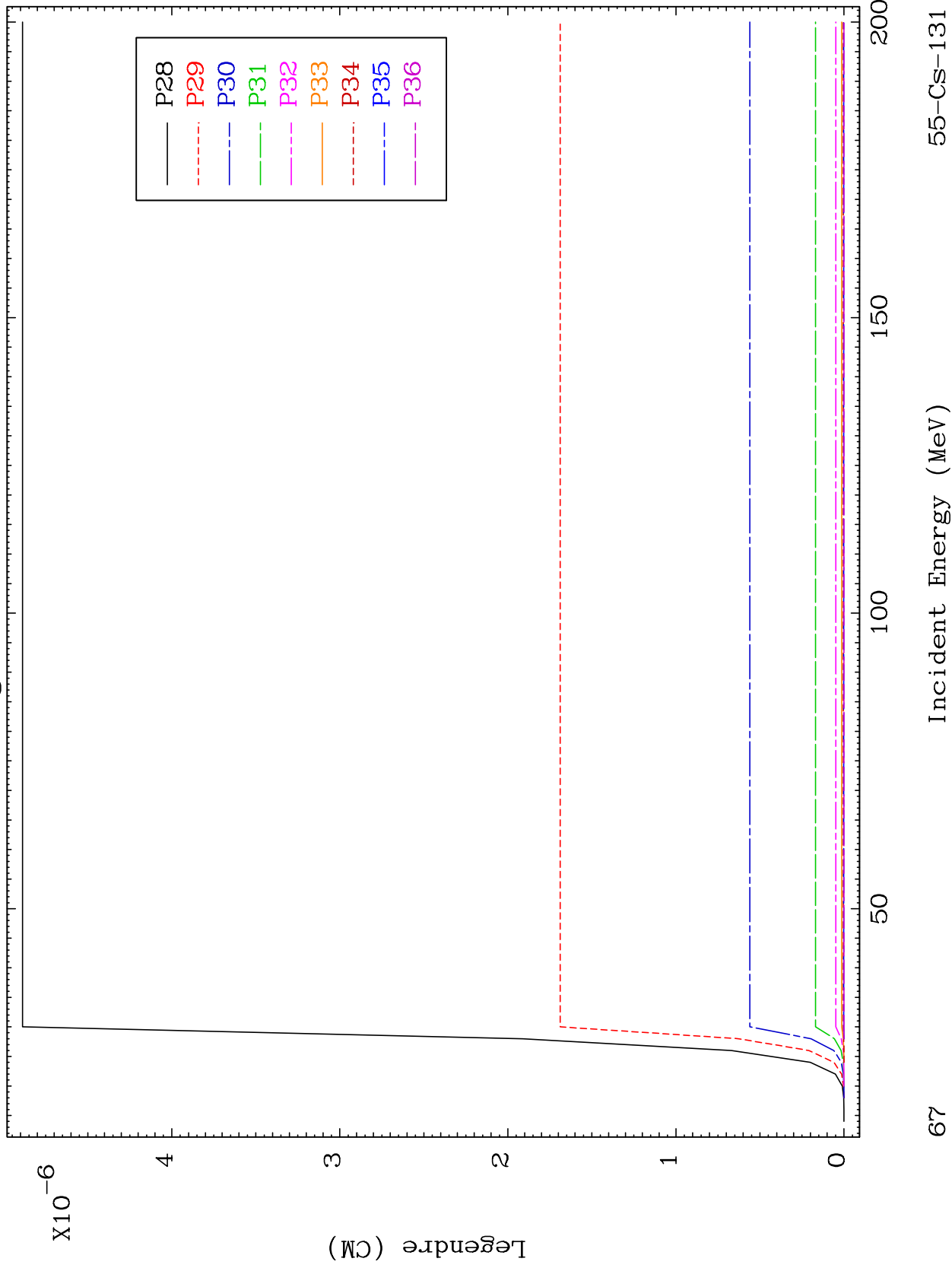
66

55-Cs-131

MAT 5519

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

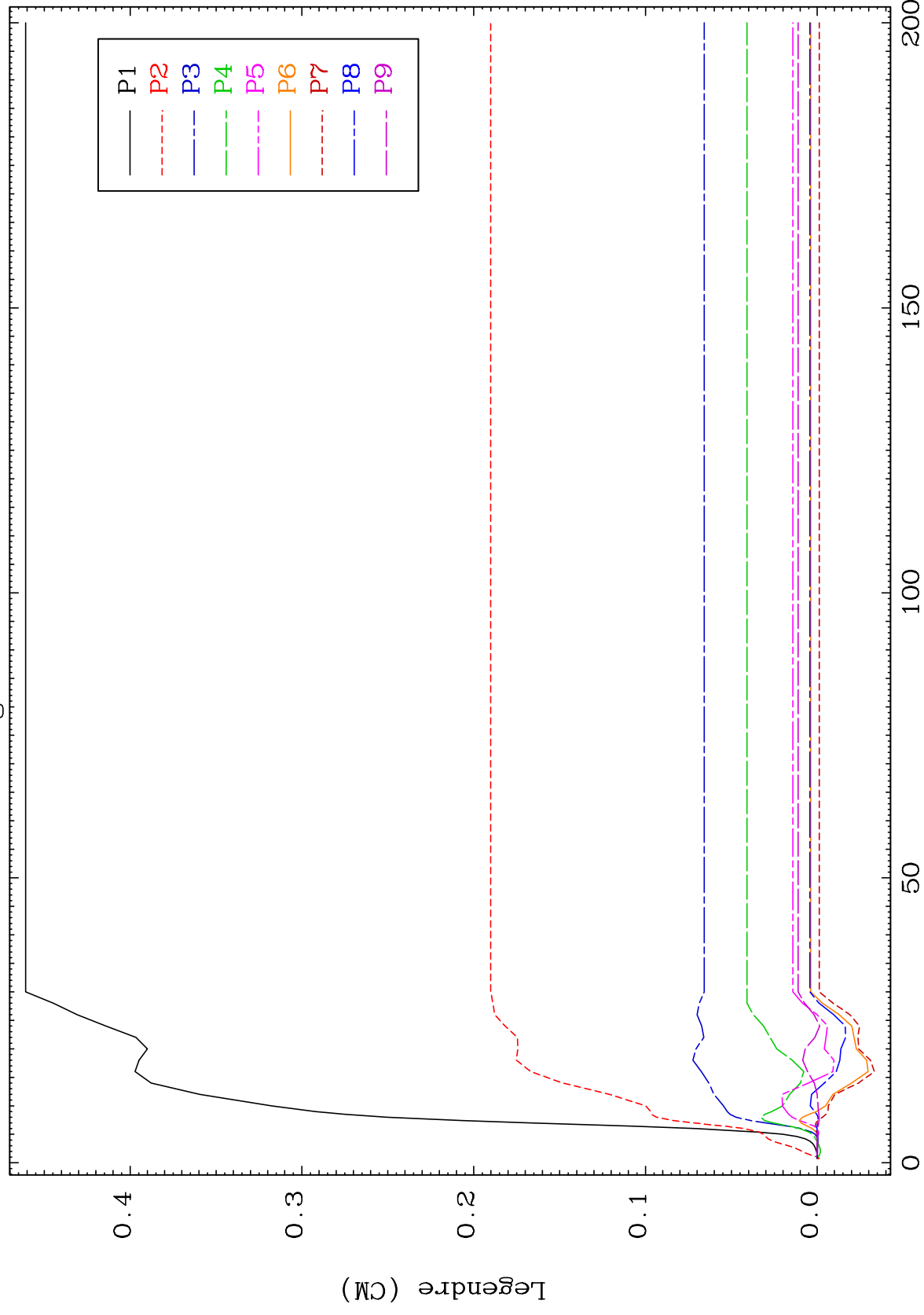
55-Cs-131



MAT 5519

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

55-Cs-131



55-Cs-131

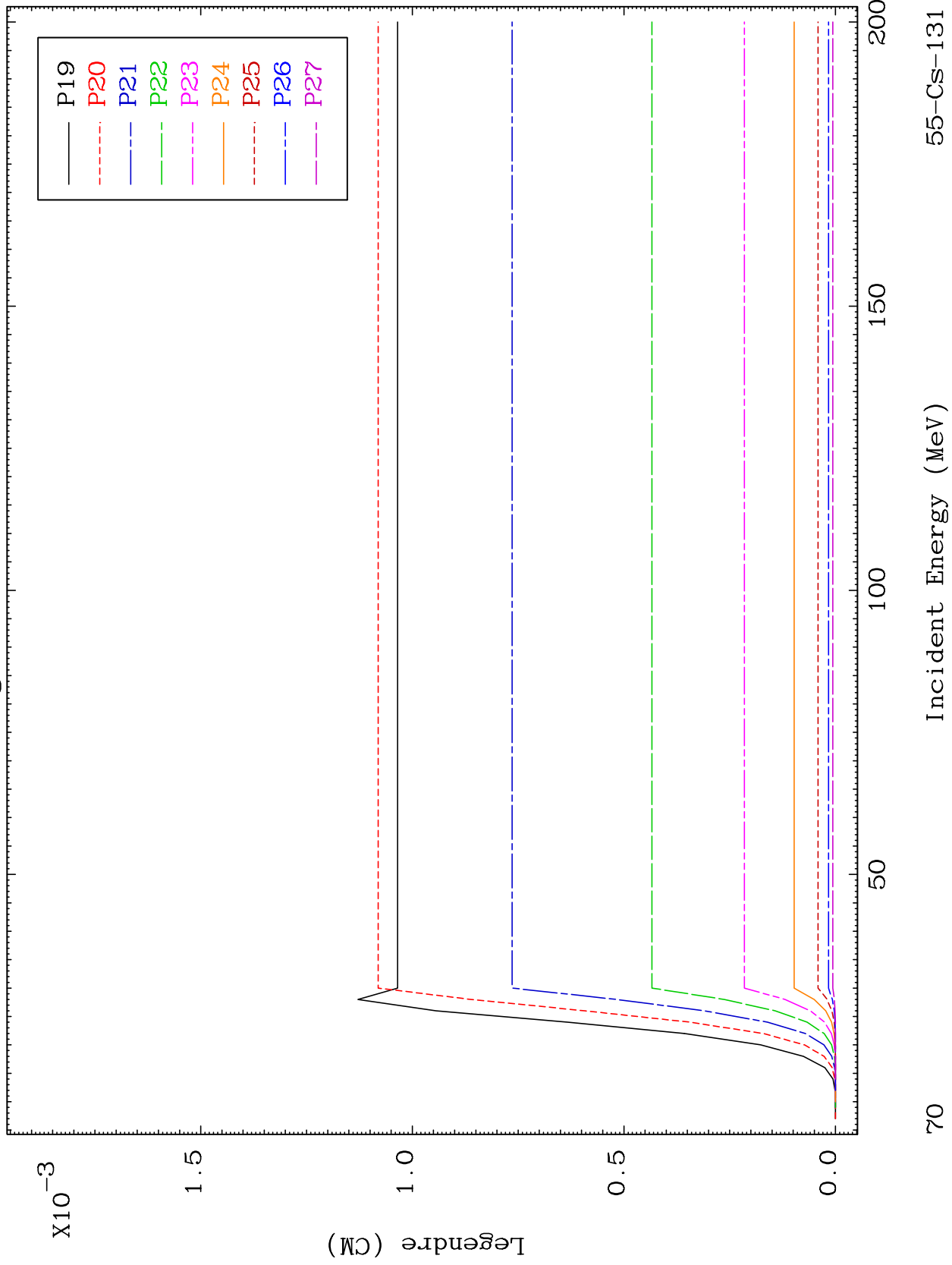
Incident Energy (MeV)

68

MAT 5519

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

55-Cs-131



70

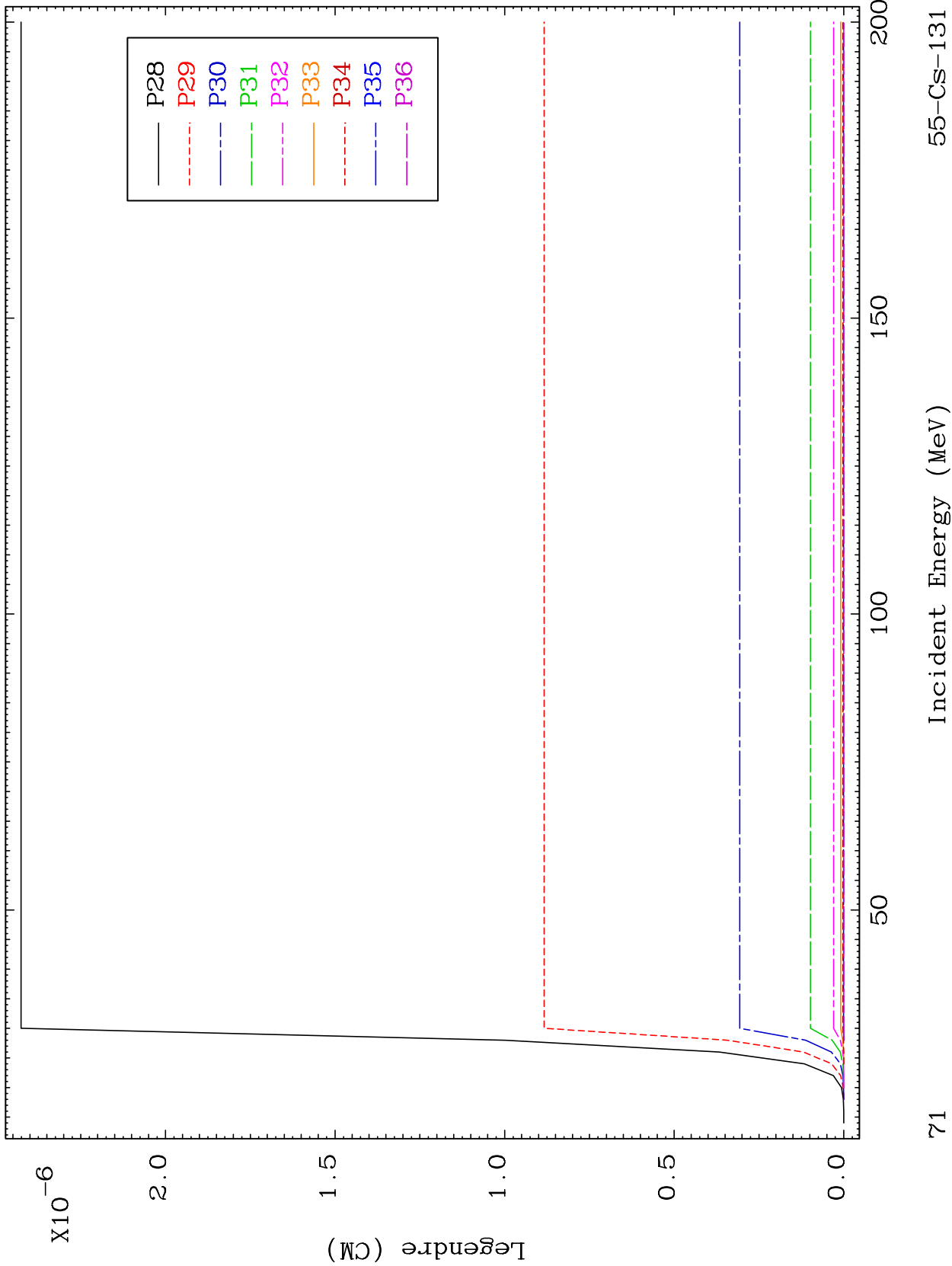
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

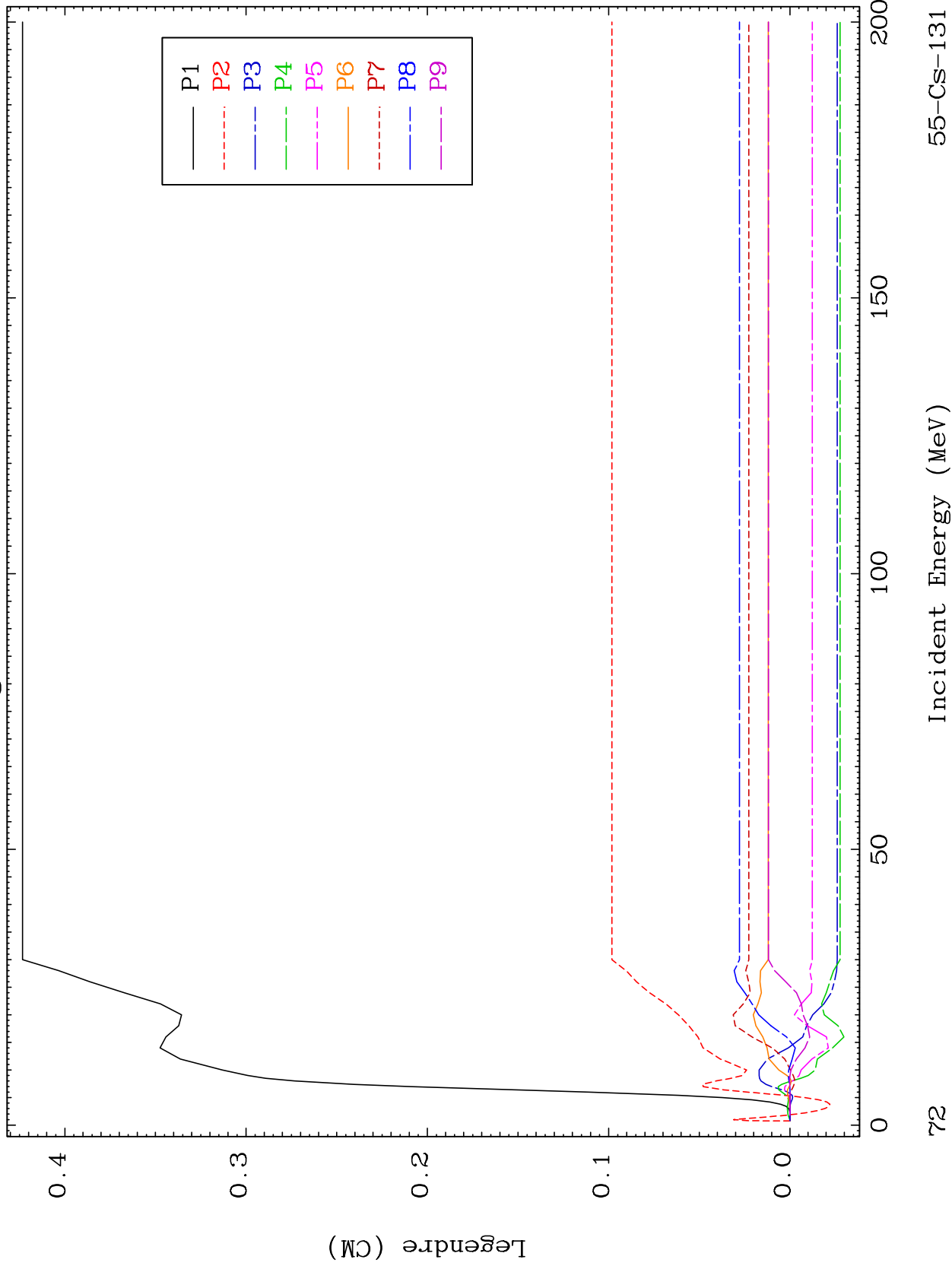
55-Cs-131

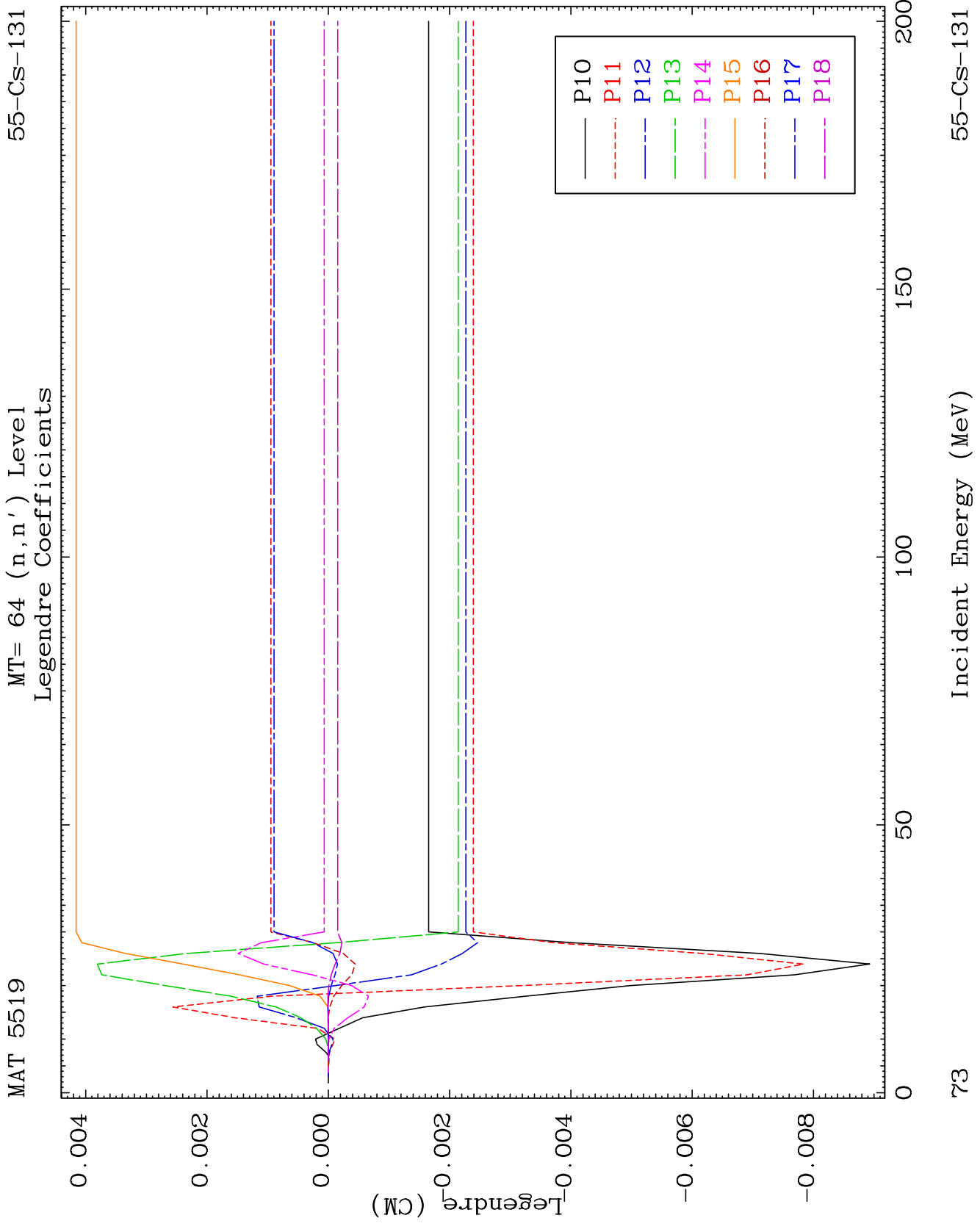


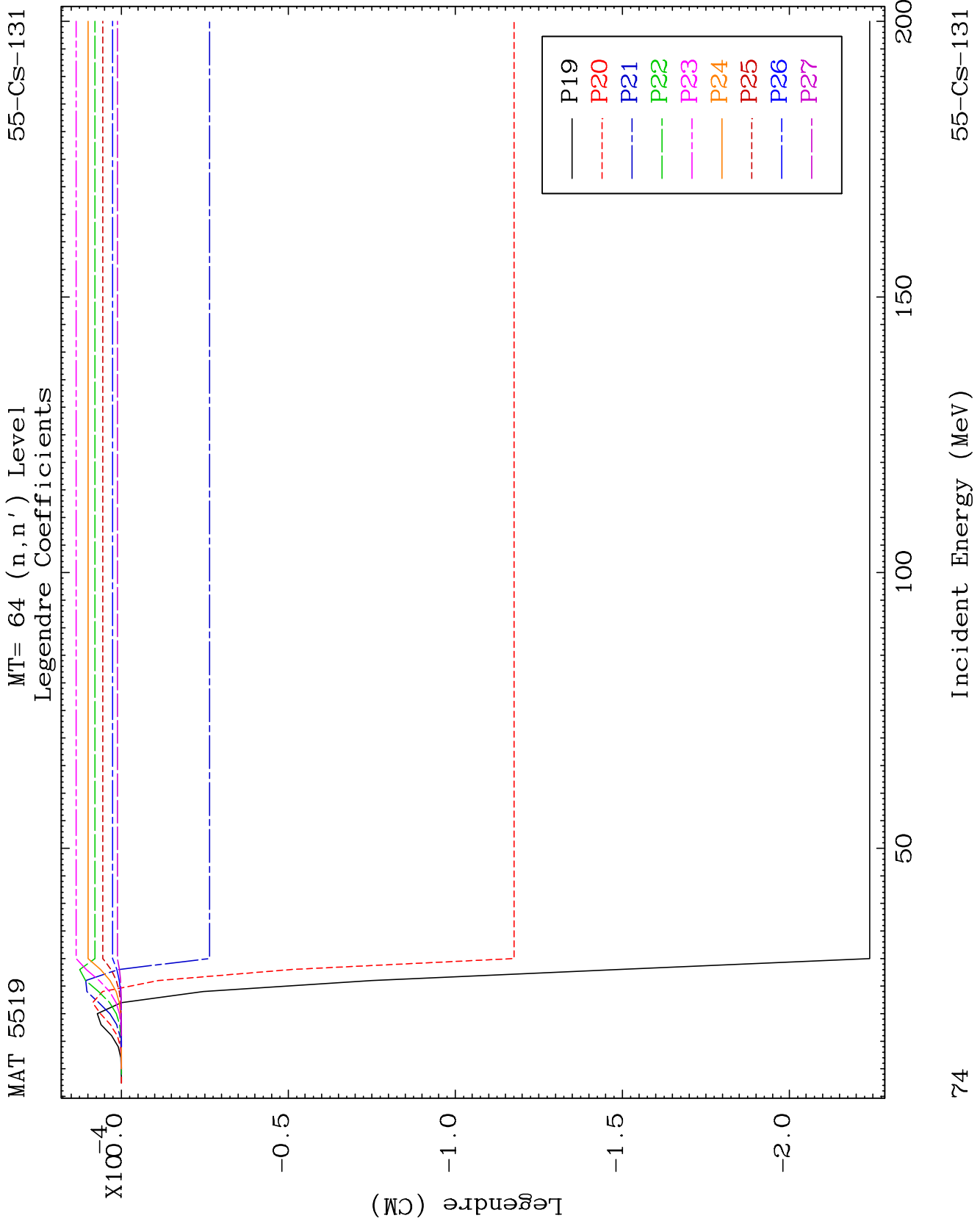
MAT 5519

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

55-Cs-131



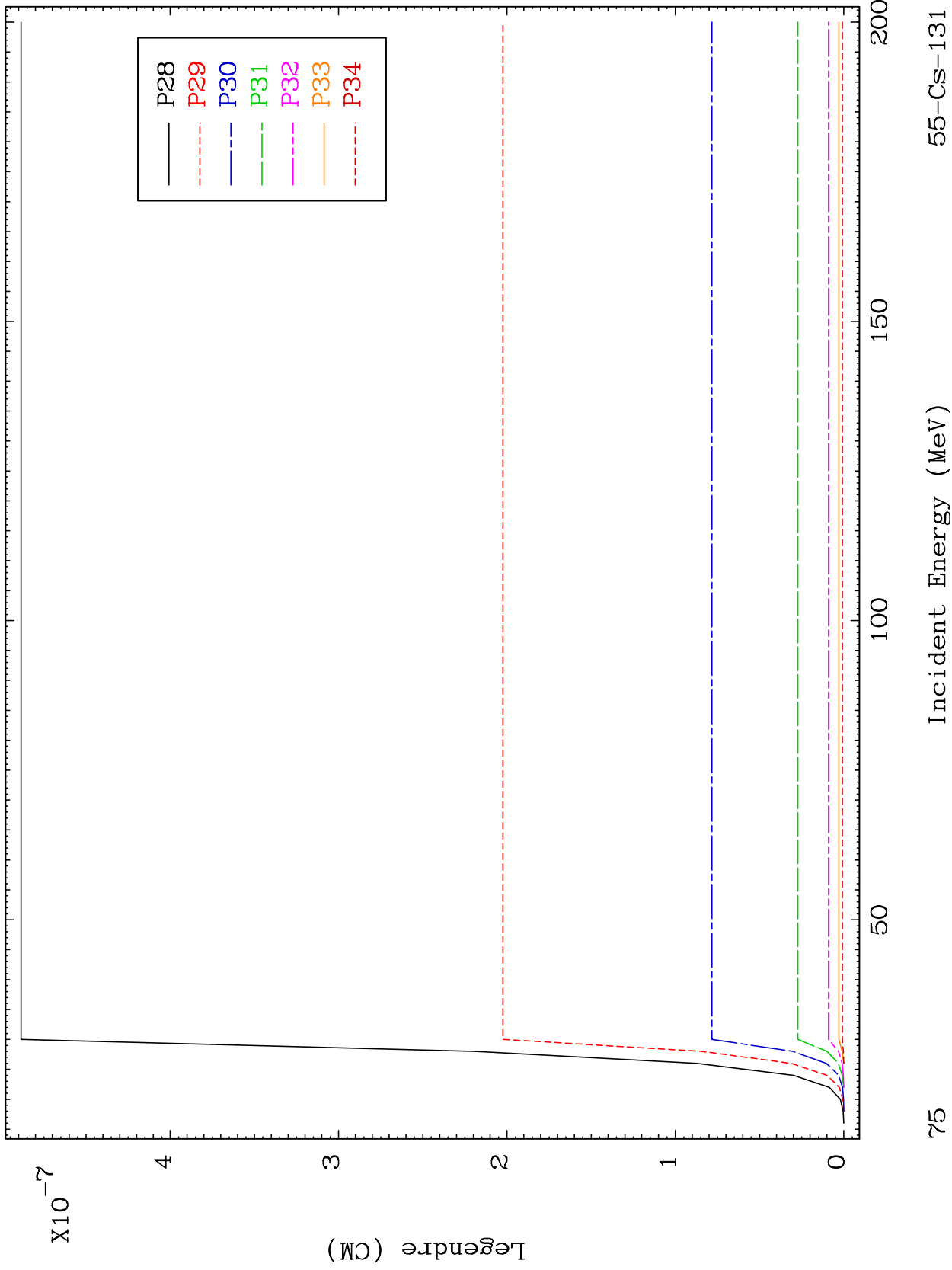




MAT 5519

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

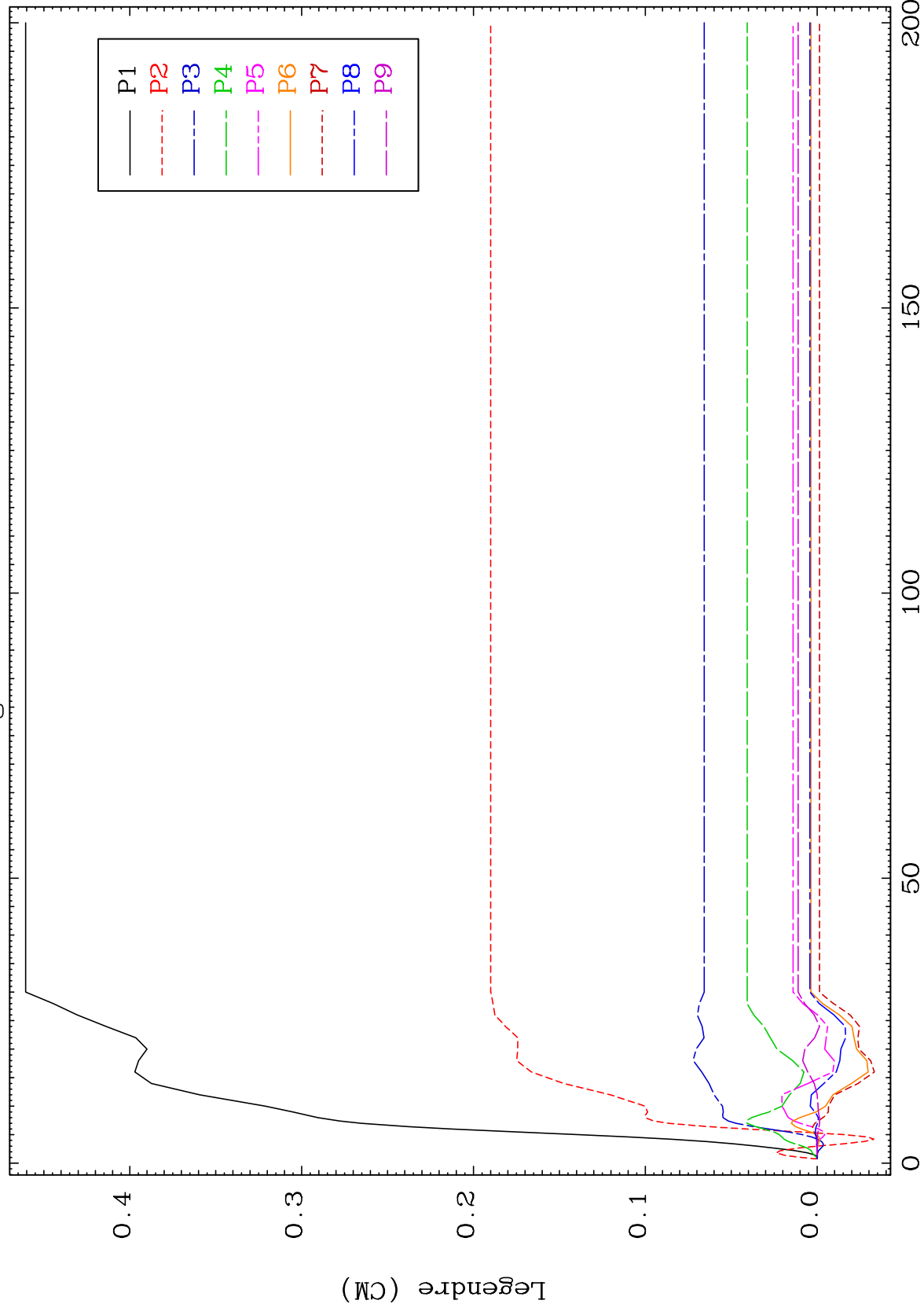
55-Cs-131



MAT 5519

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

55-Cs-131



55-Cs-131

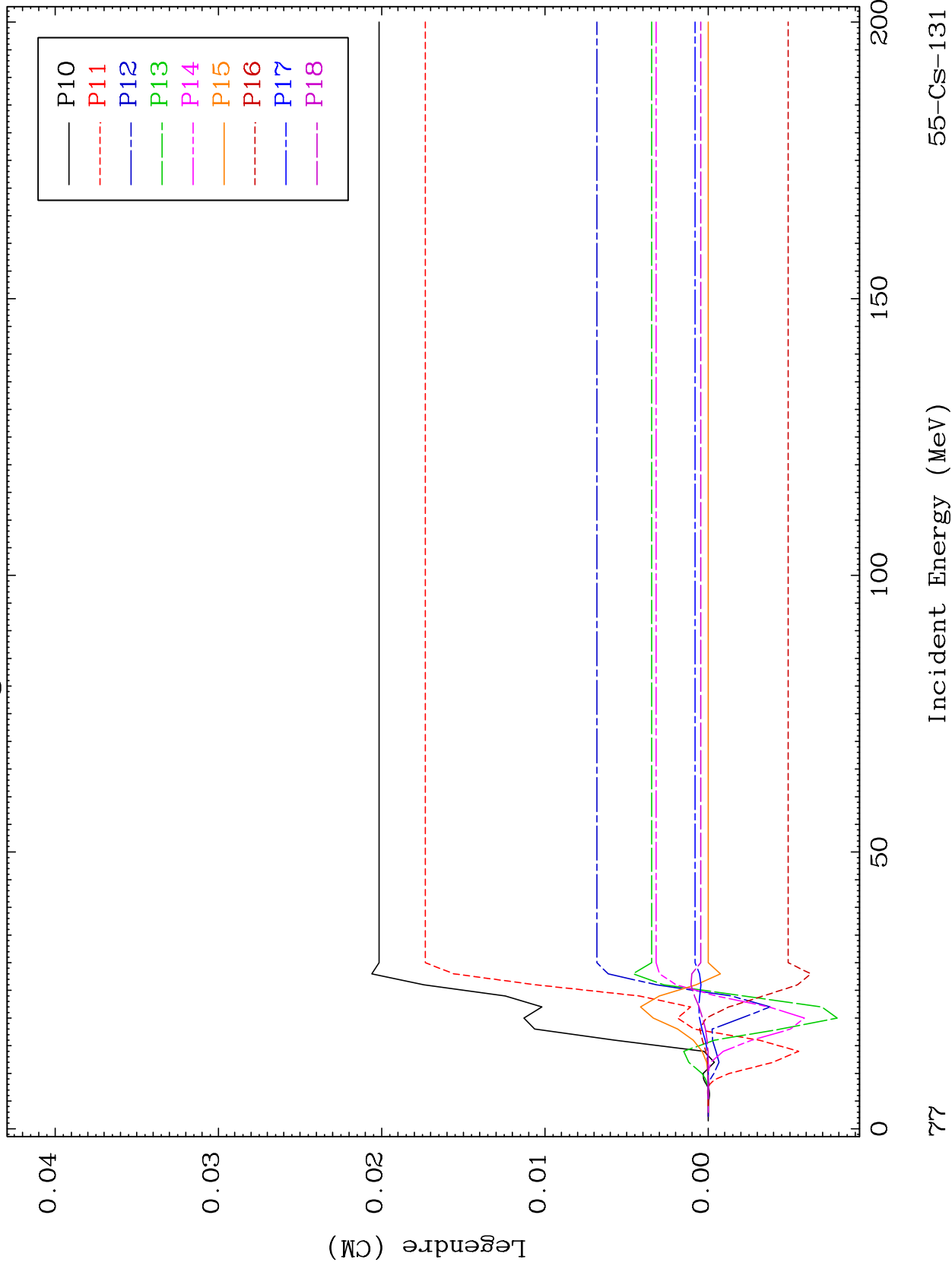
Incident Energy (MeV)

76

MAT 5519

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

55-Cs-131



77

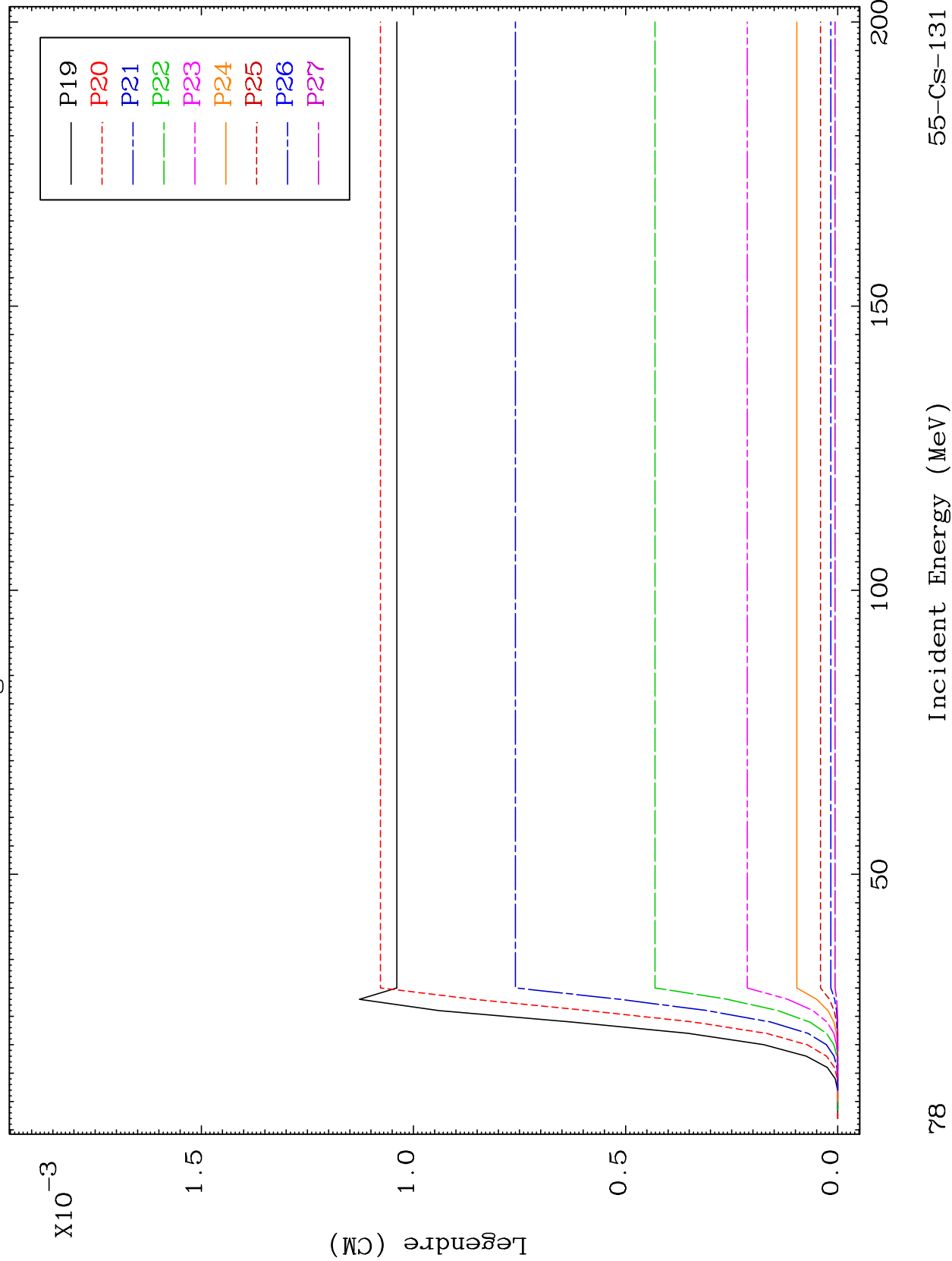
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



78

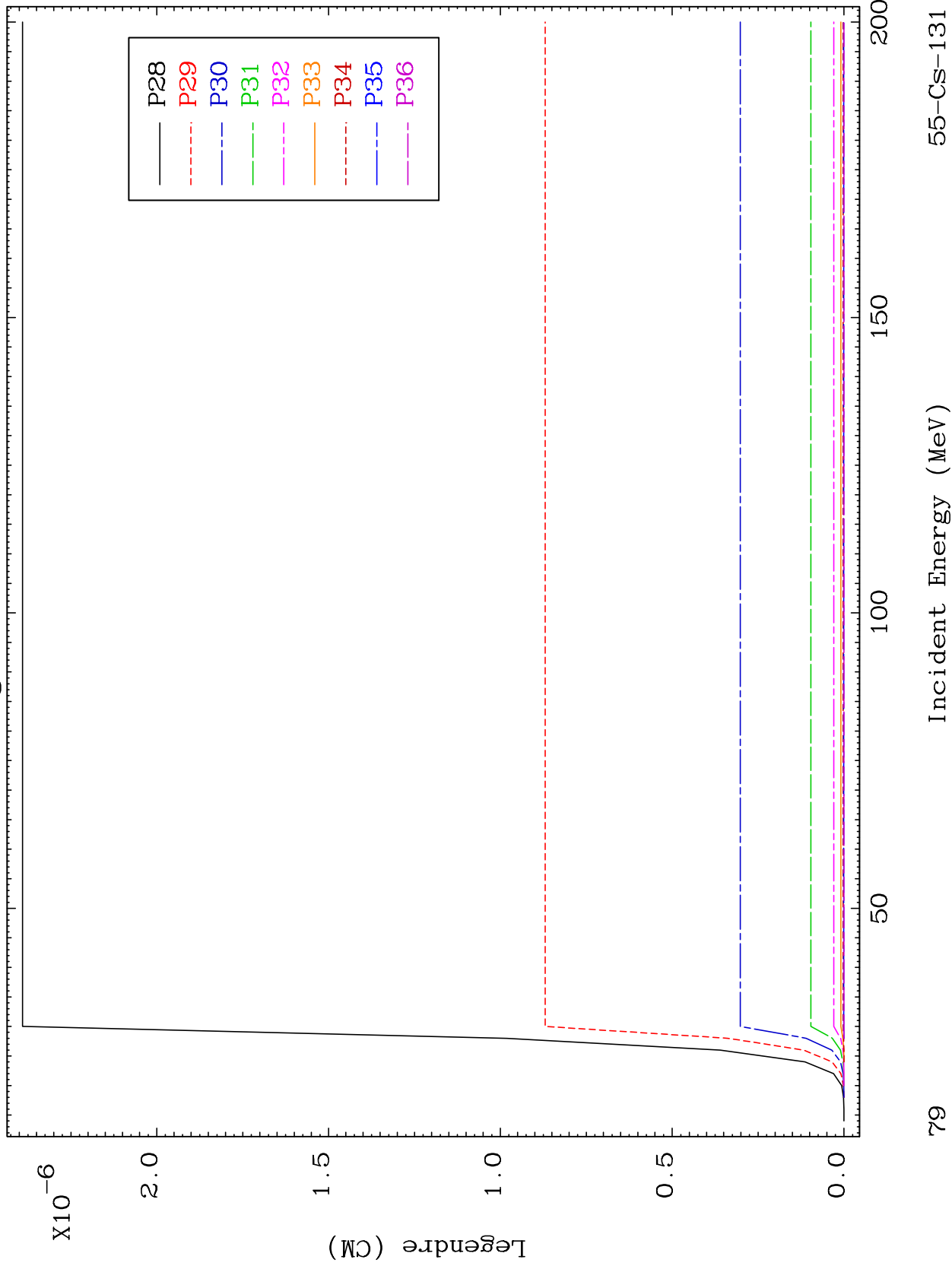
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



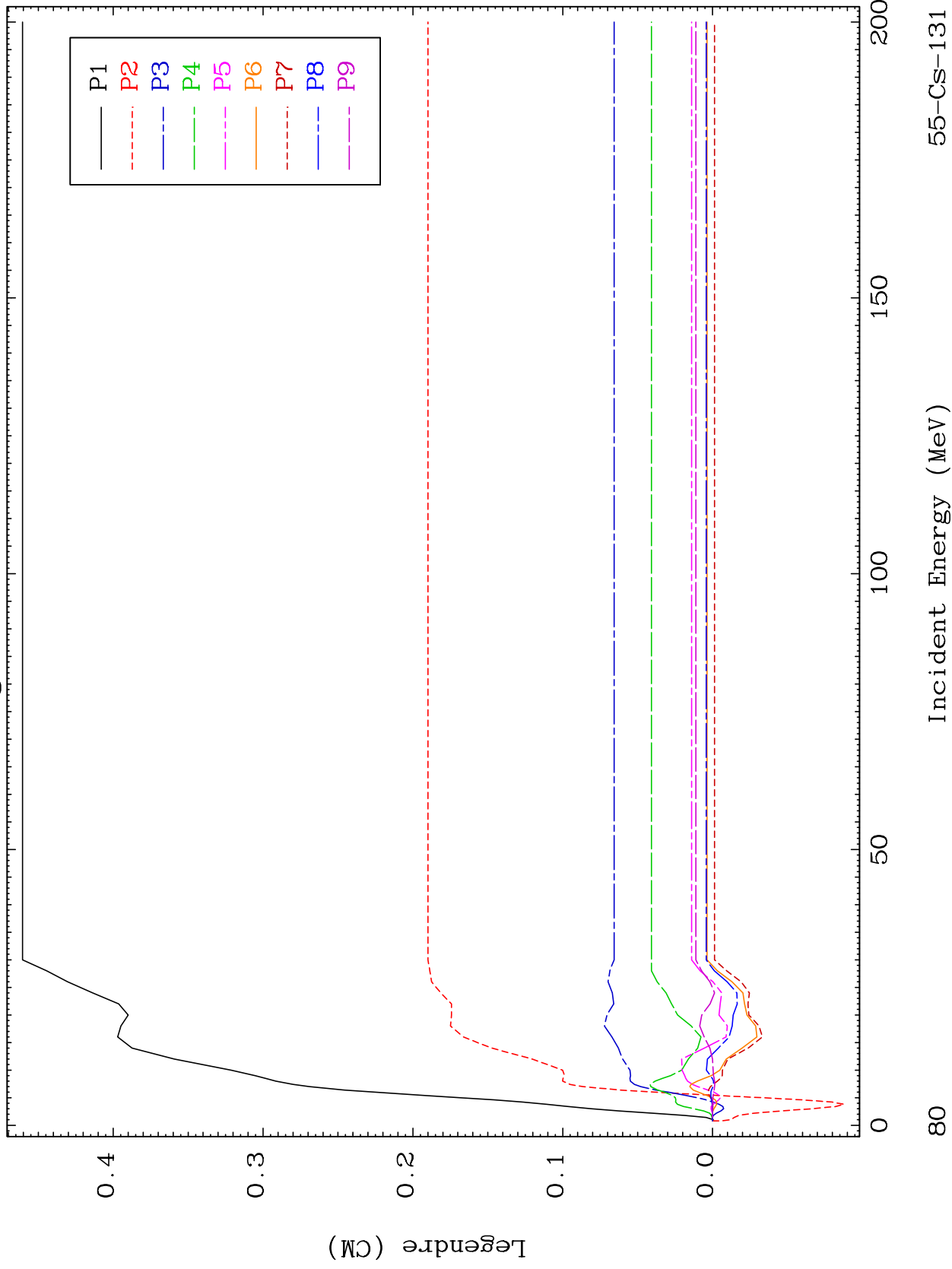
79

55-Cs-131

MAT 5519

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

55-Cs-131

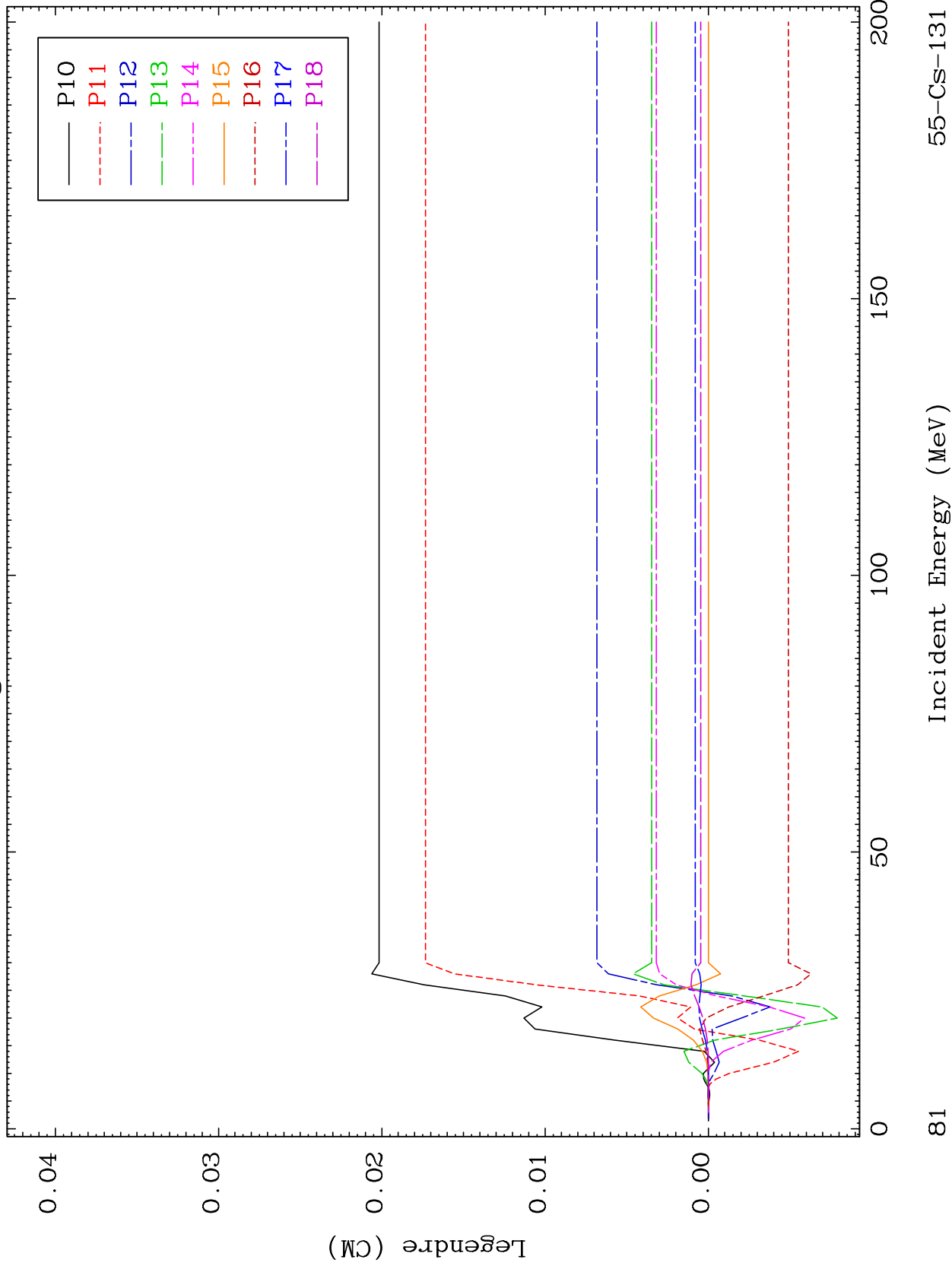


55-Cs-131

MAT 5519

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

55-Cs-131



81

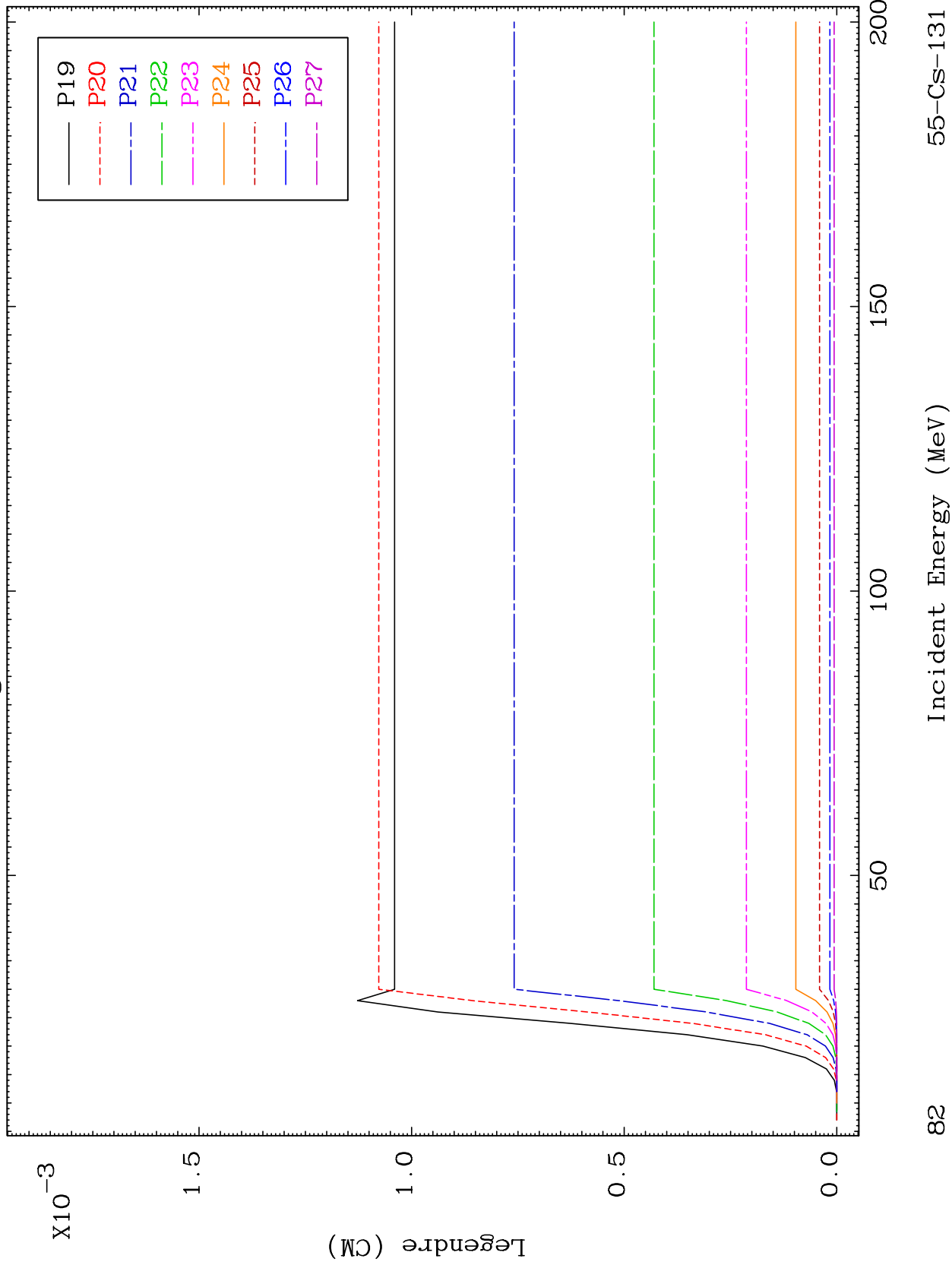
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

55-Cs-131



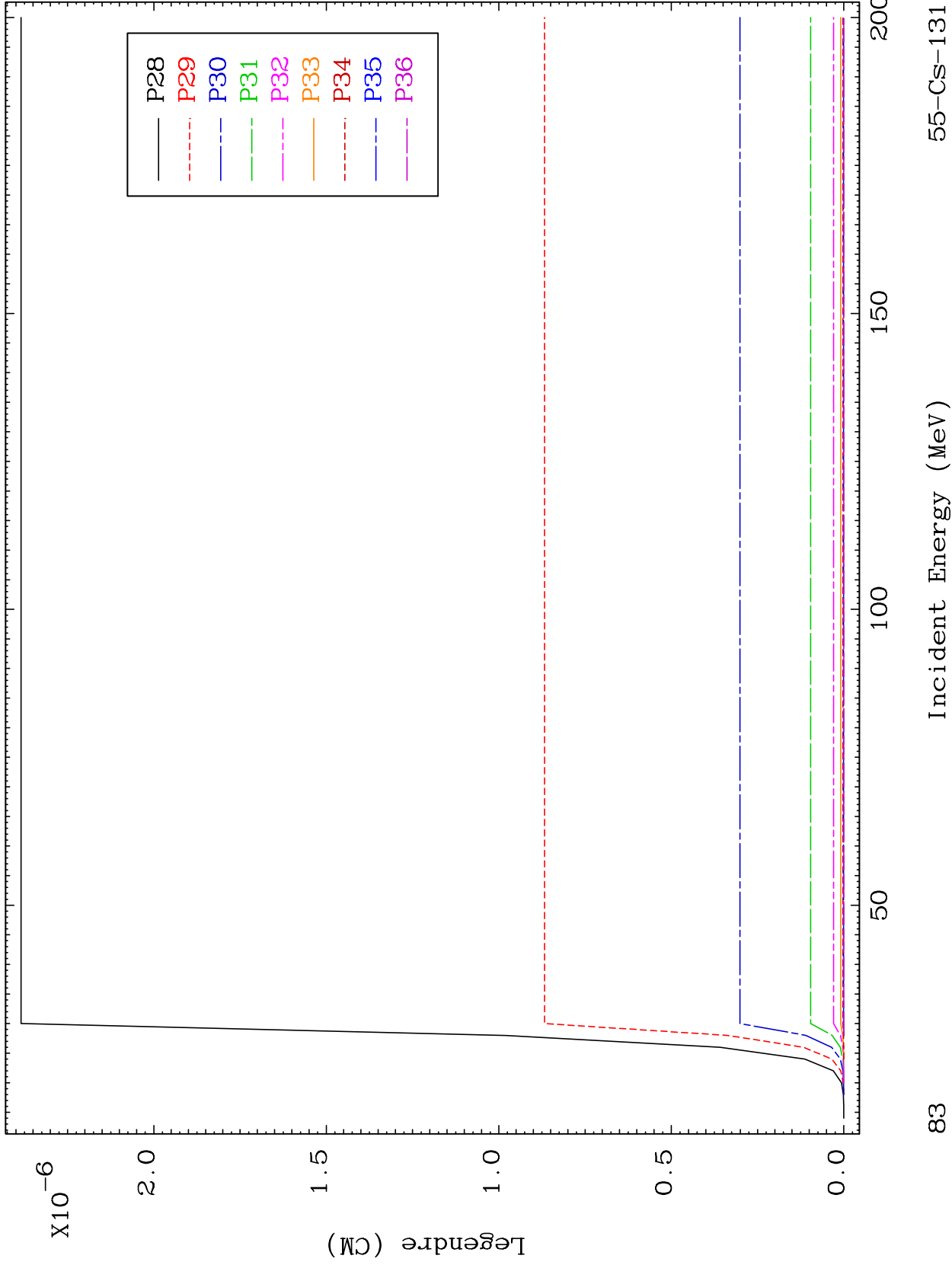
82

55-Cs-131

MAT 5519

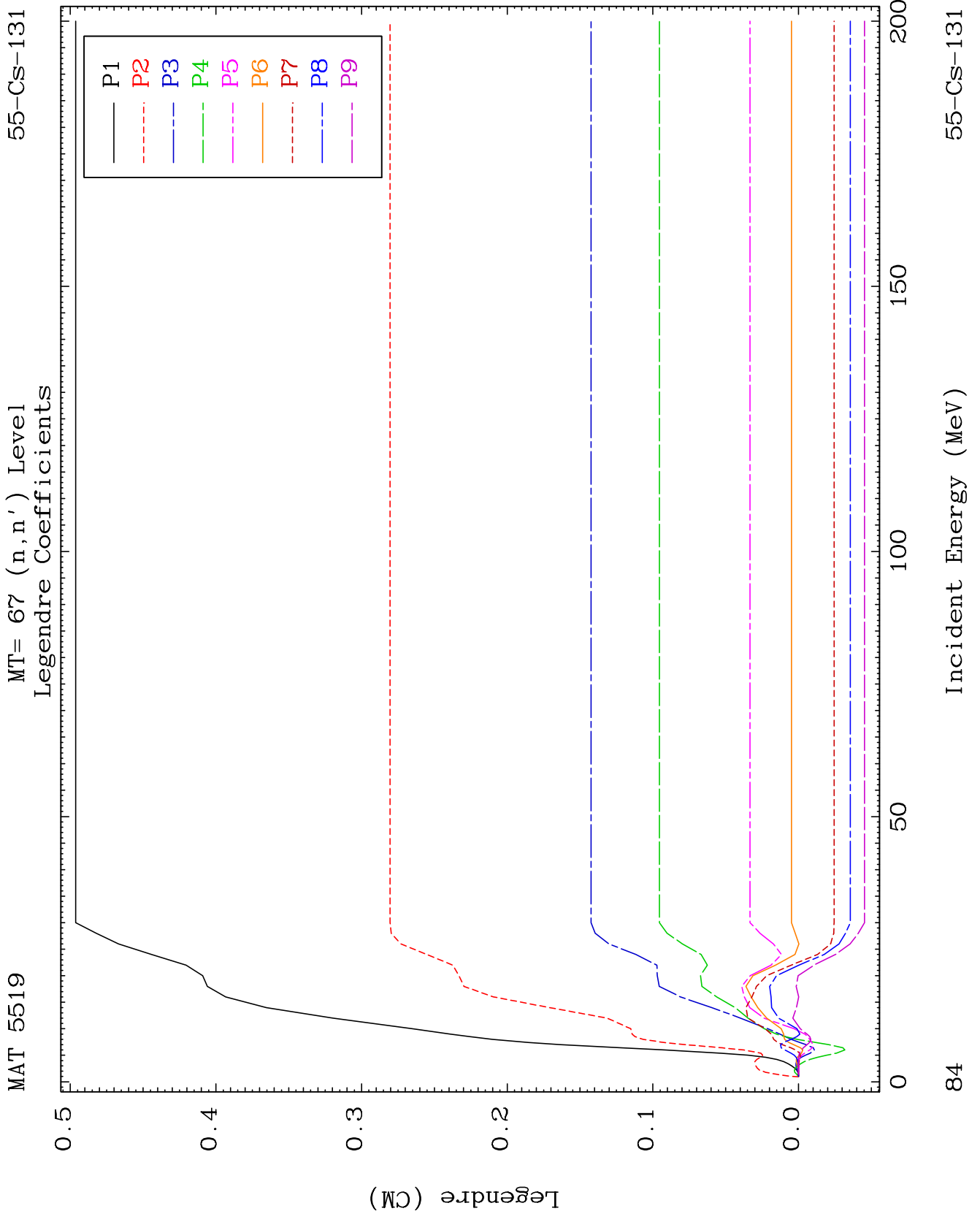
MT= 66 (n,n') Level
Legendre Coefficients

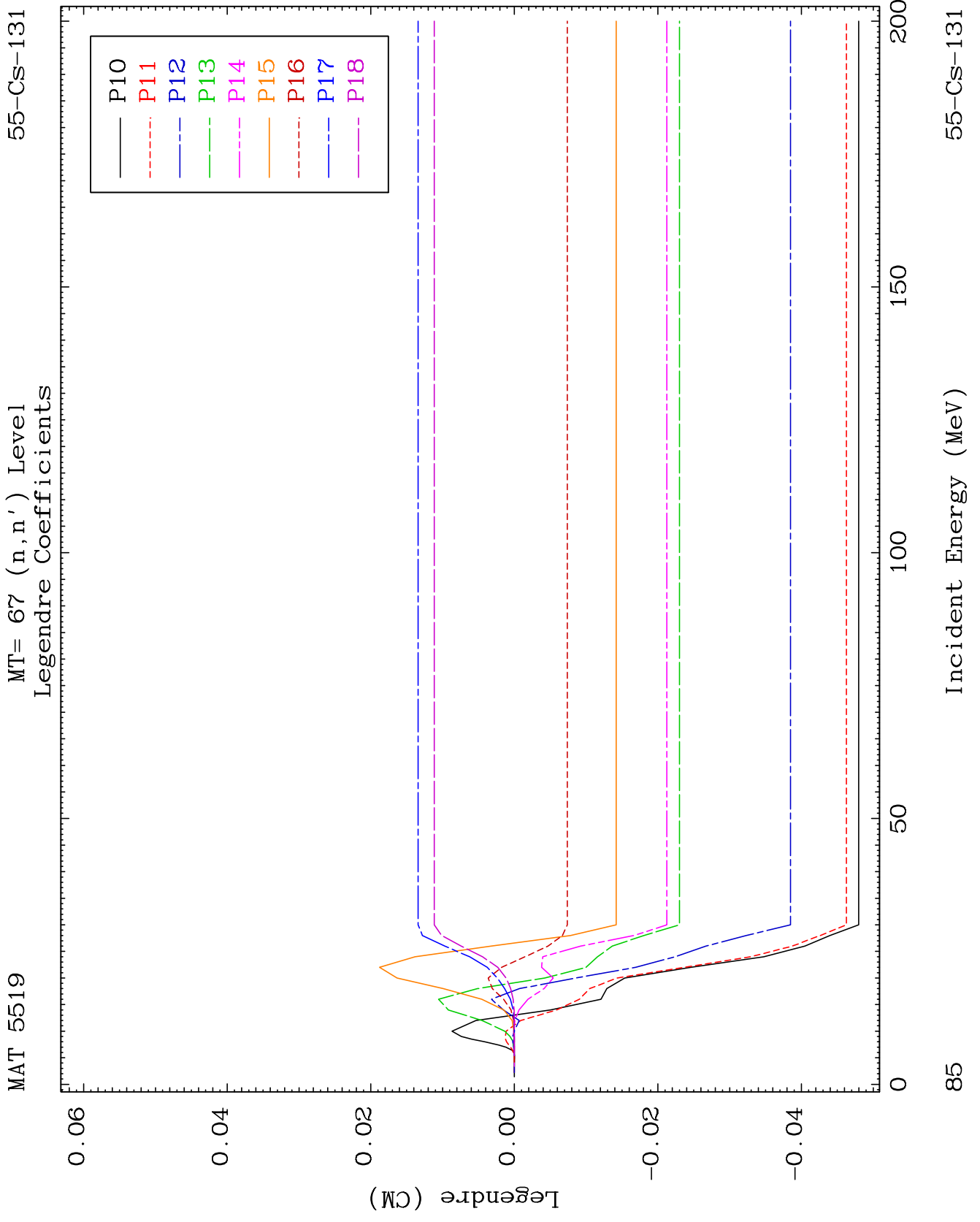
55-Cs-131



83

55-Cs-131

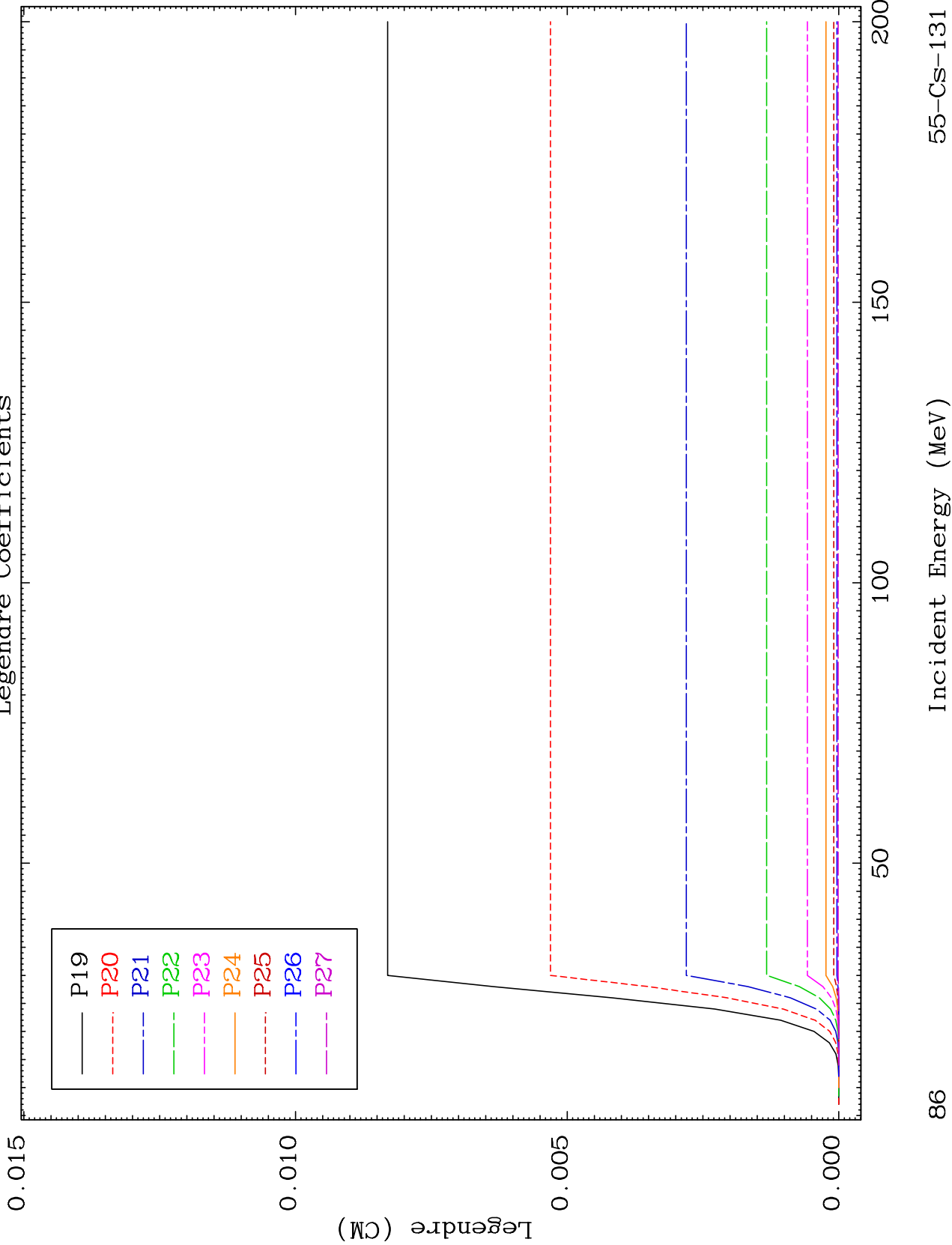




MAT 5519

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

55-Cs-131



86

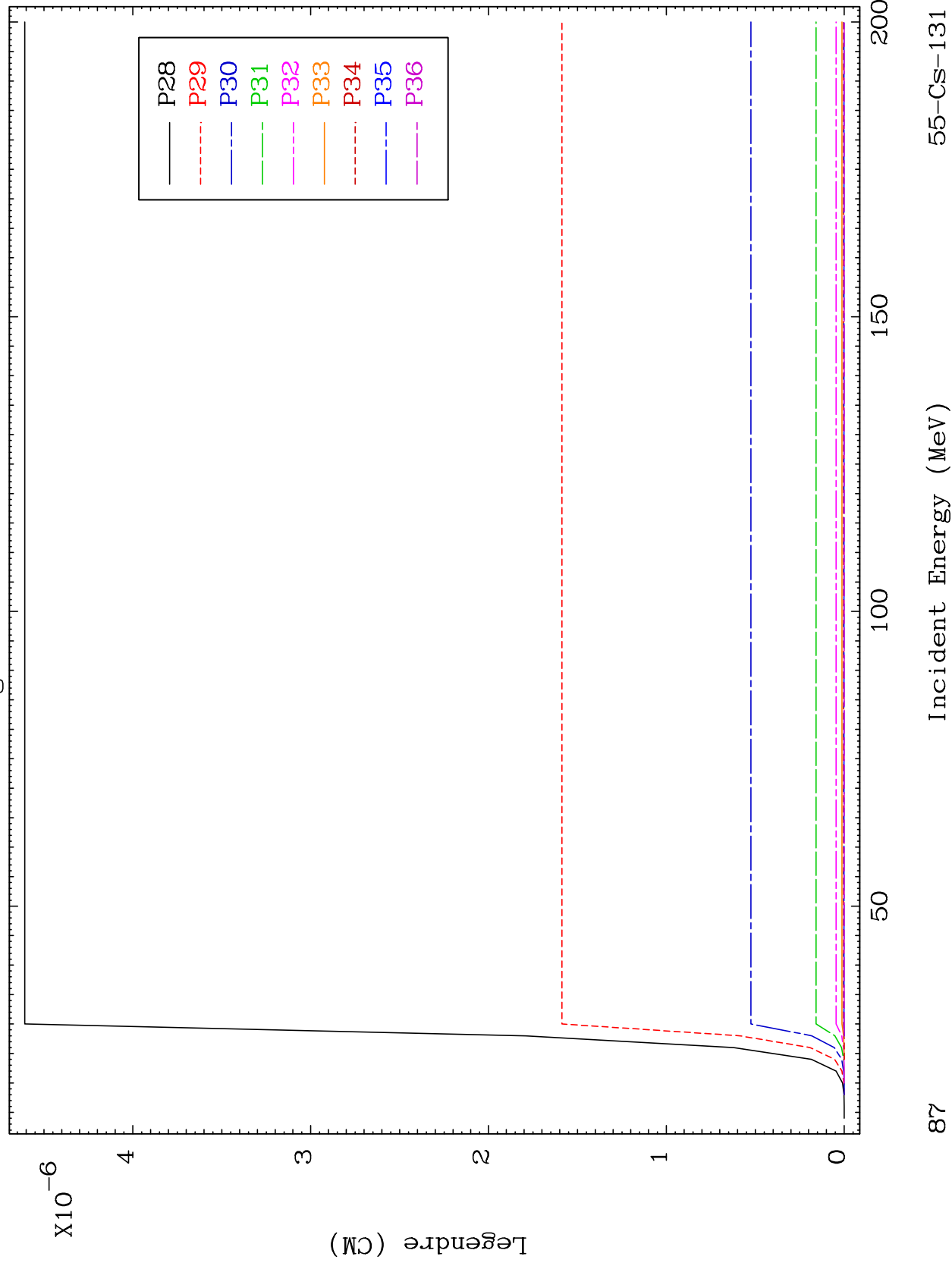
55-Cs-131

Incident Energy (MeV)

MAT 5519

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

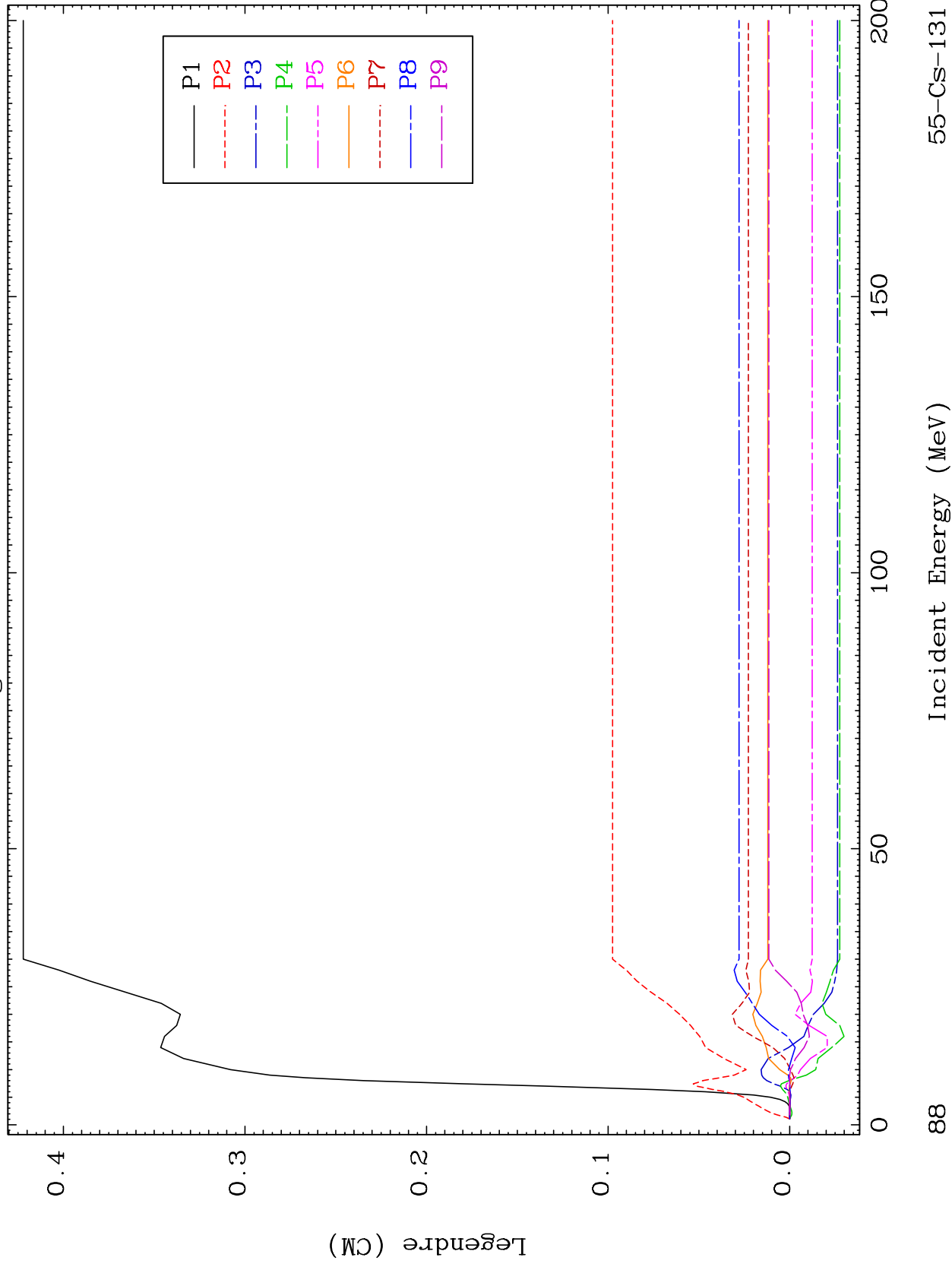
55-Cs-131



MAT 5519

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

55-Cs-131



55-Cs-131

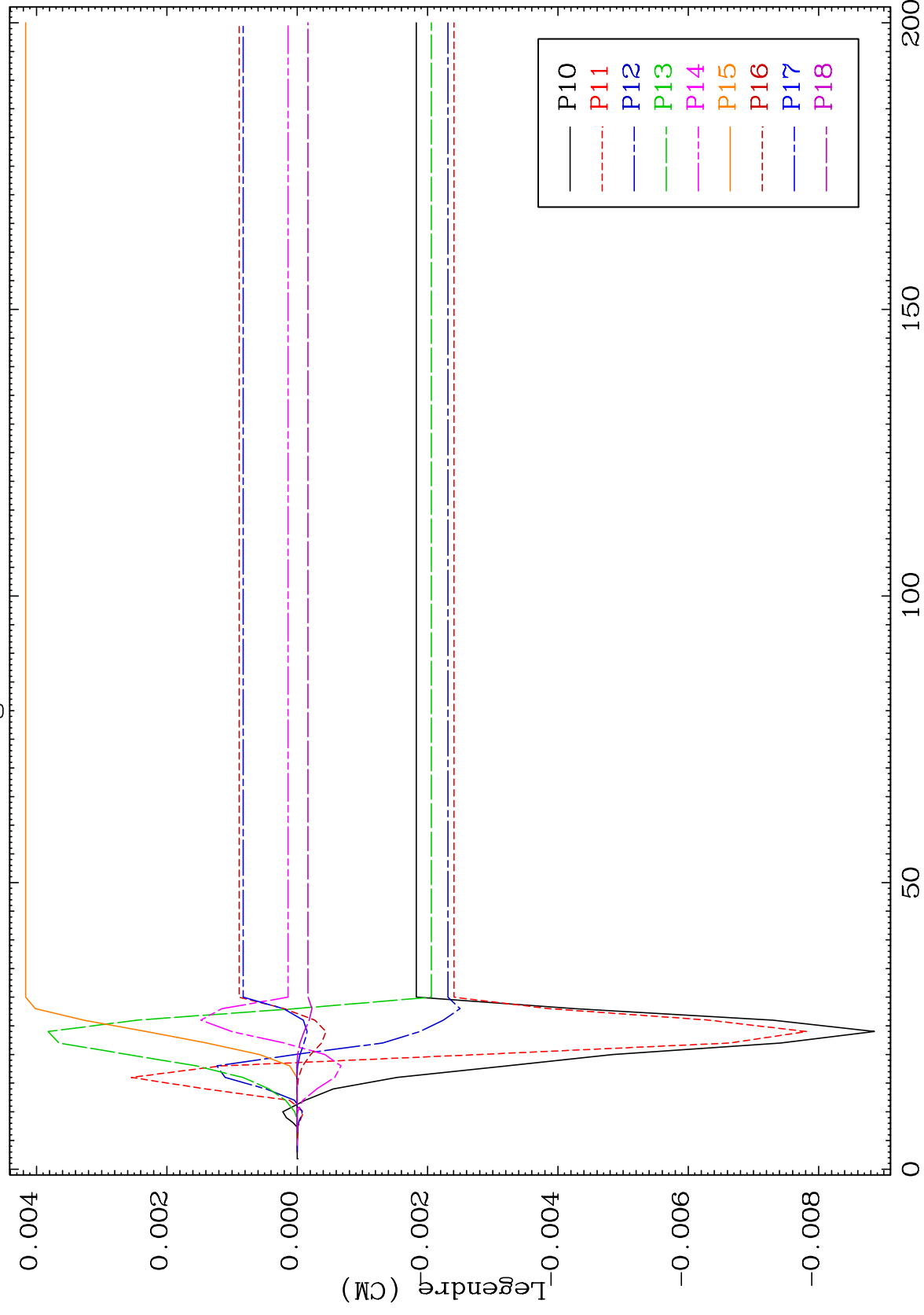
Incident Energy (MeV)

88

MAT 5519

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

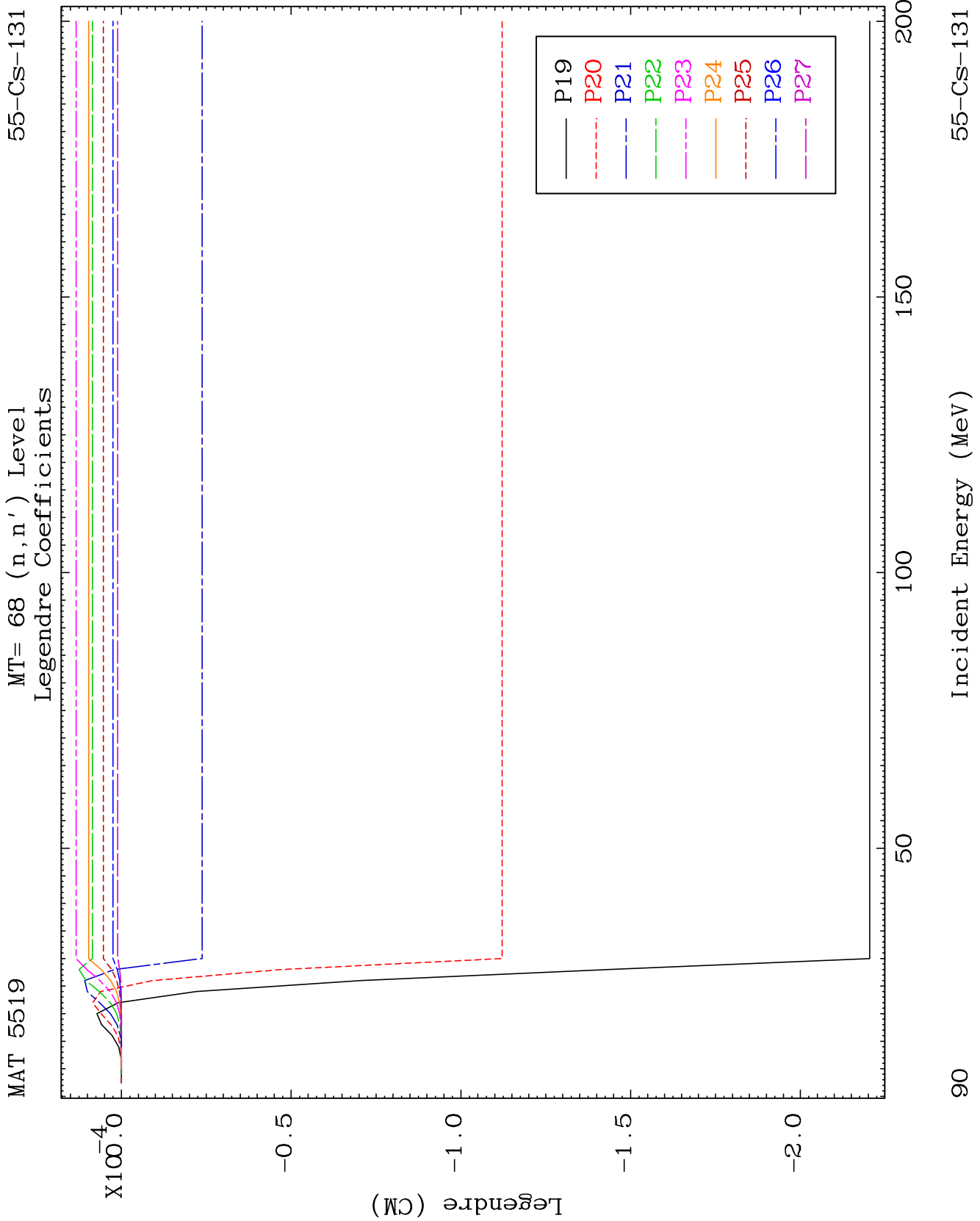
55-Cs-131



89

Incident Energy (MeV)

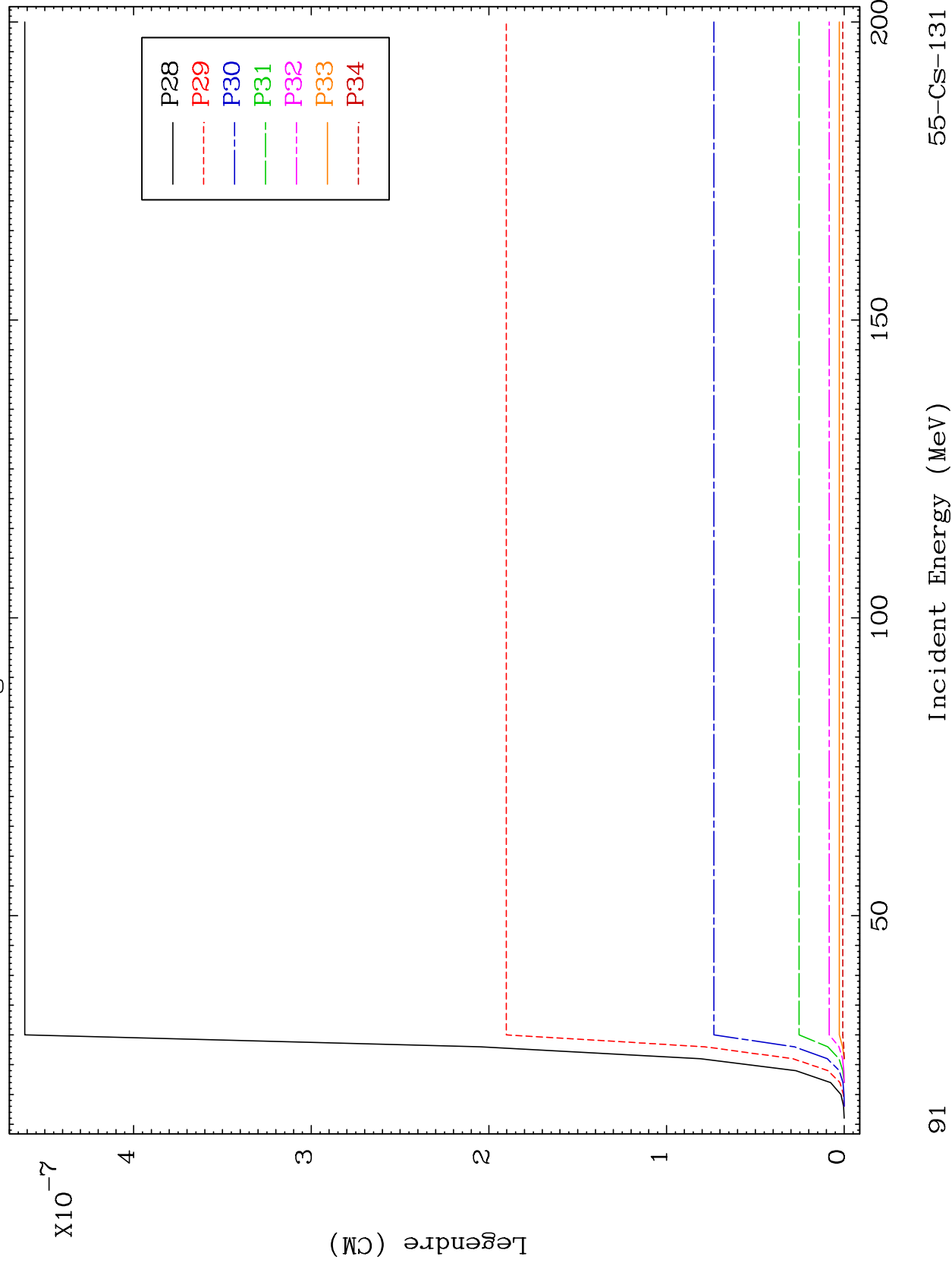
55-Cs-131



MAT 5519

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

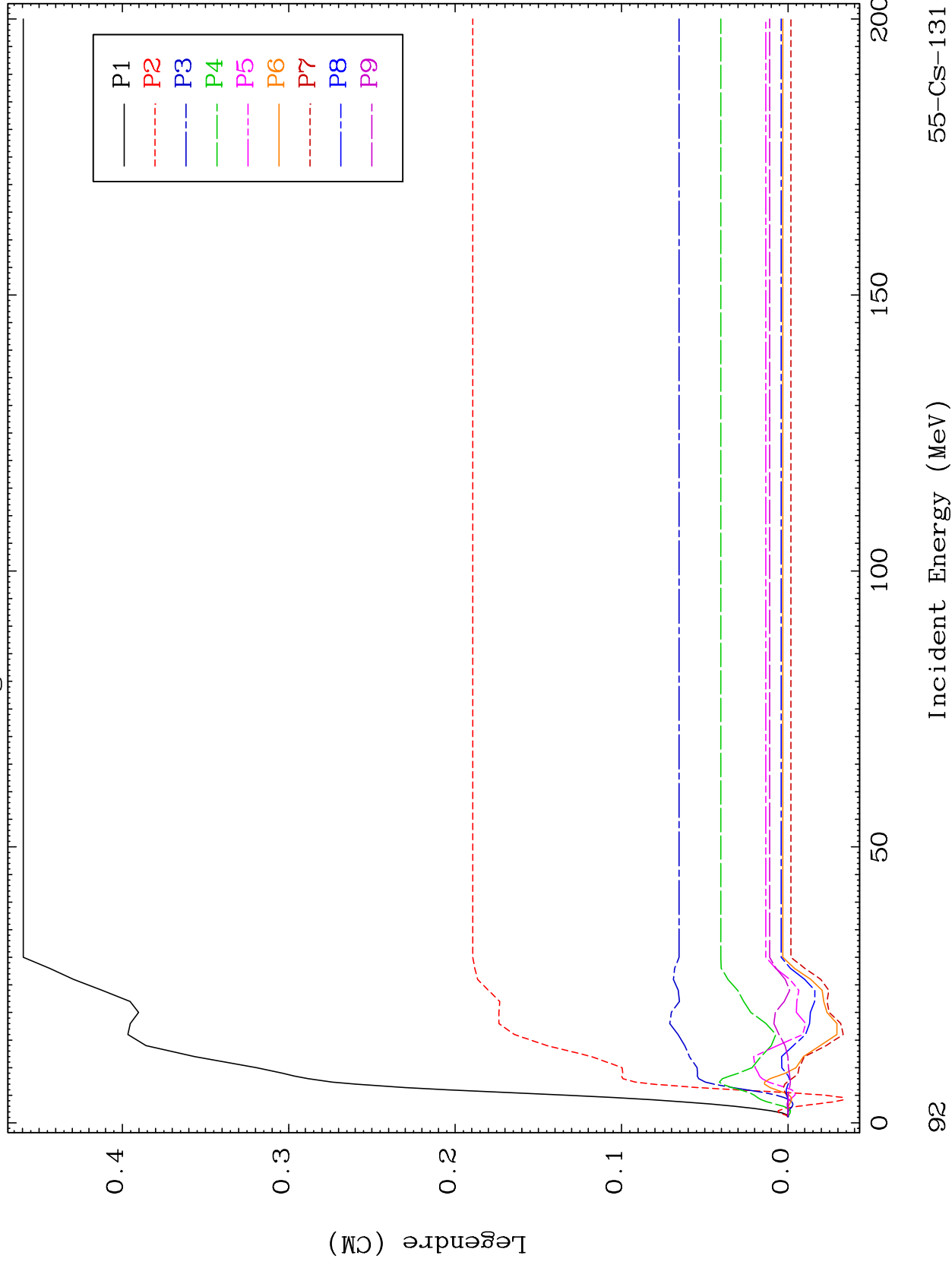
55-Cs-131



MAT 5519

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

55-Cs-131



55-Cs-131

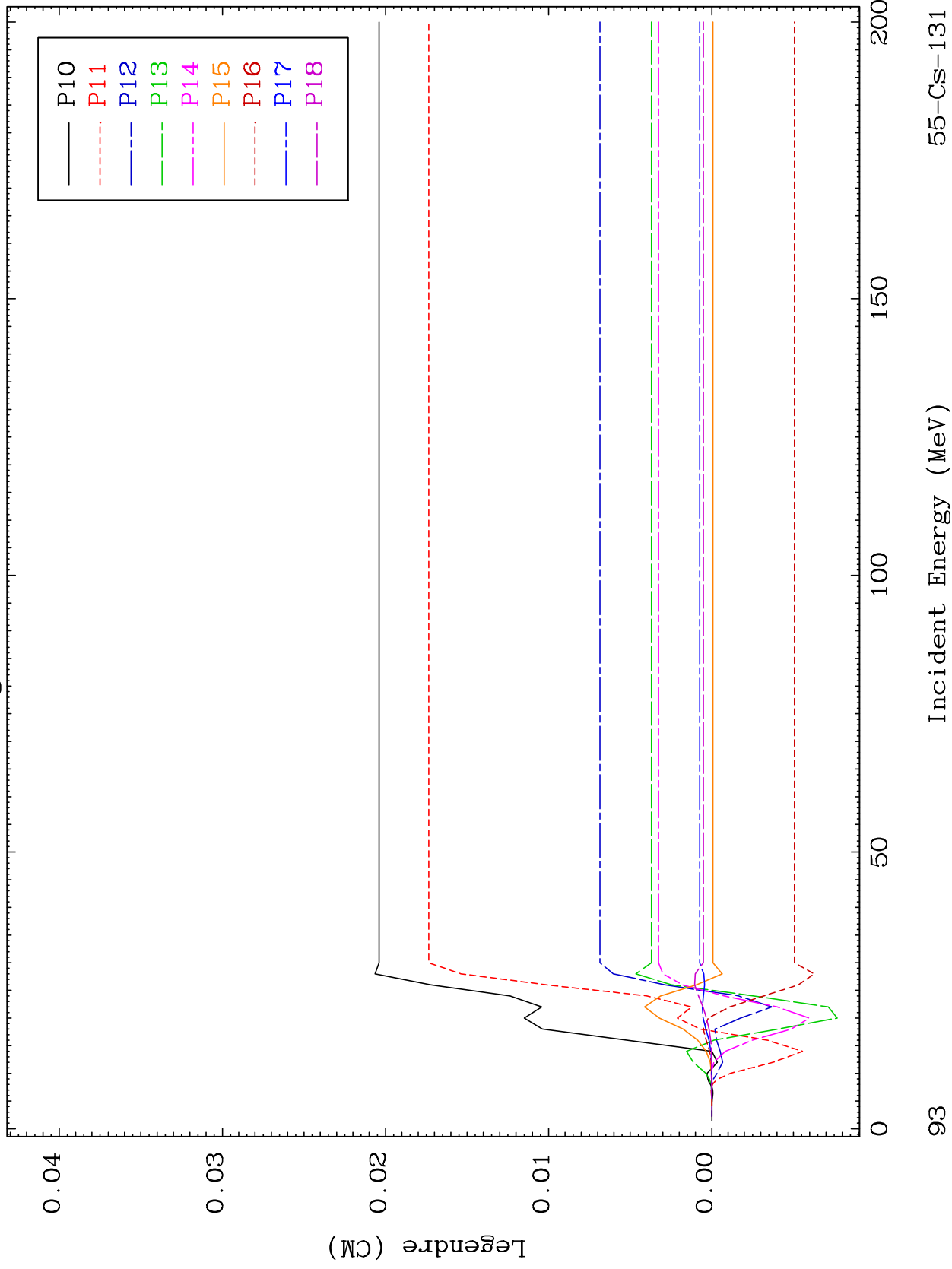
Incident Energy (MeV)

92

MAT 5519

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

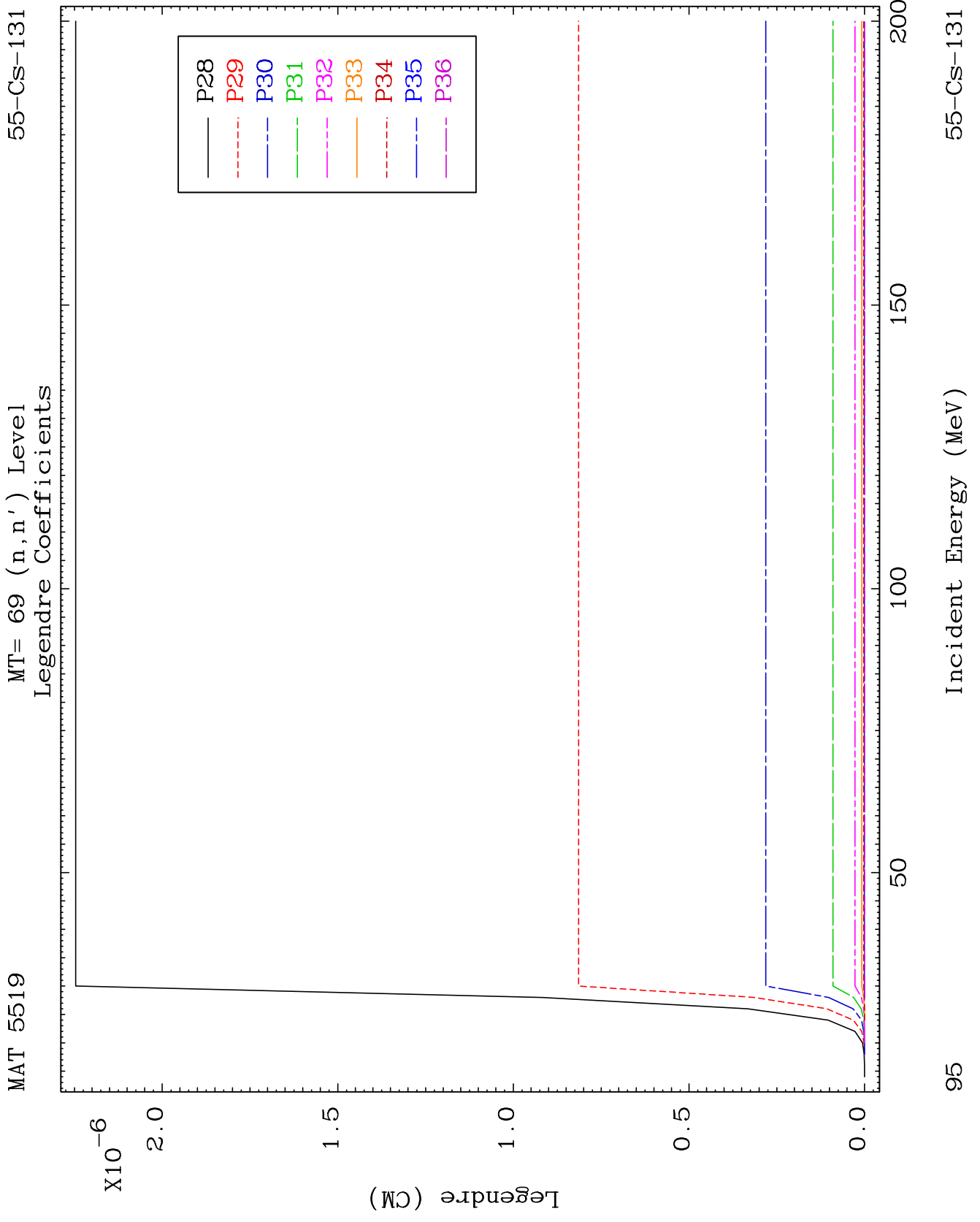
55-Cs-131



93

Incident Energy (MeV)

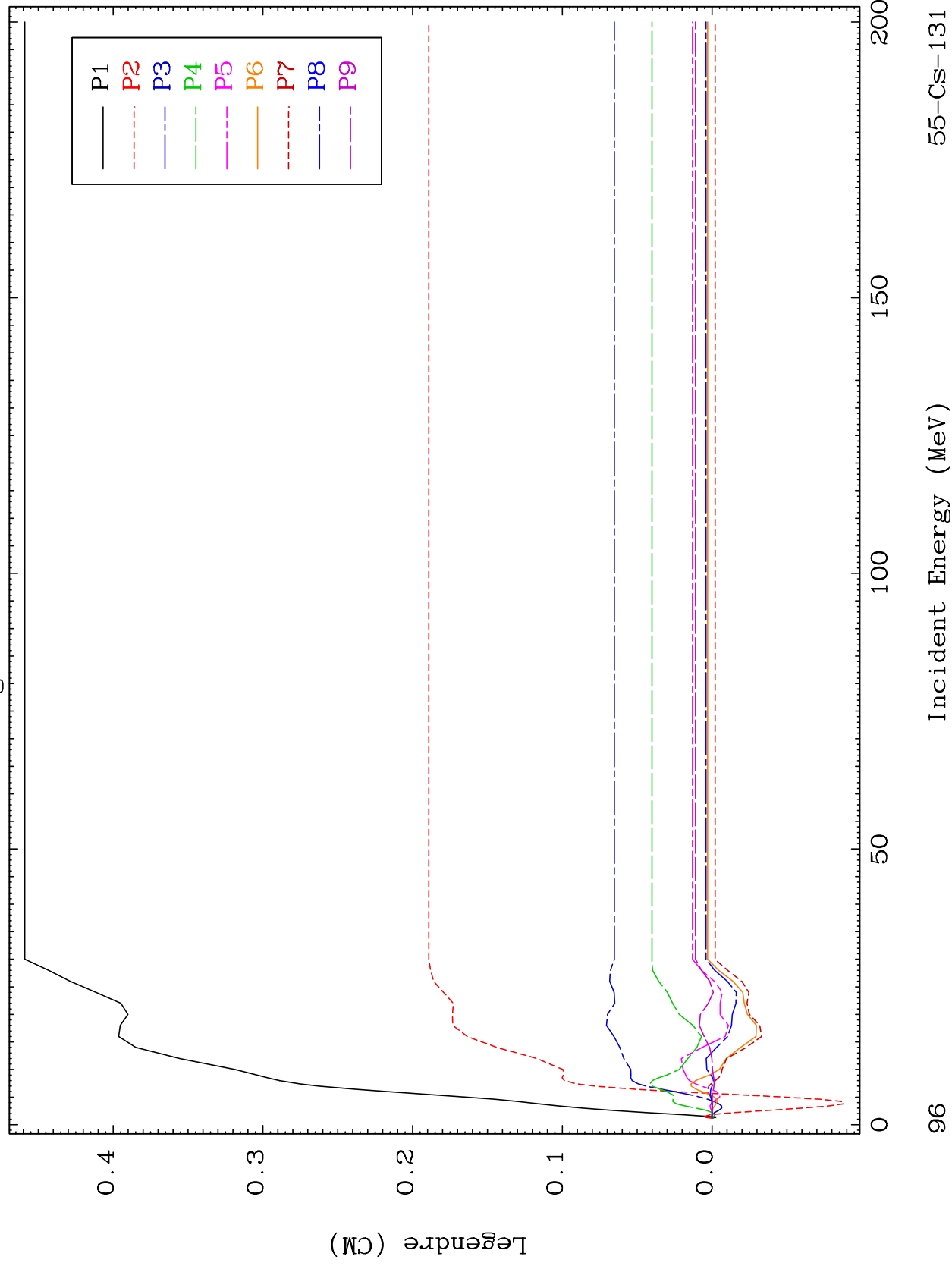
55-Cs-131



MAT 5519

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

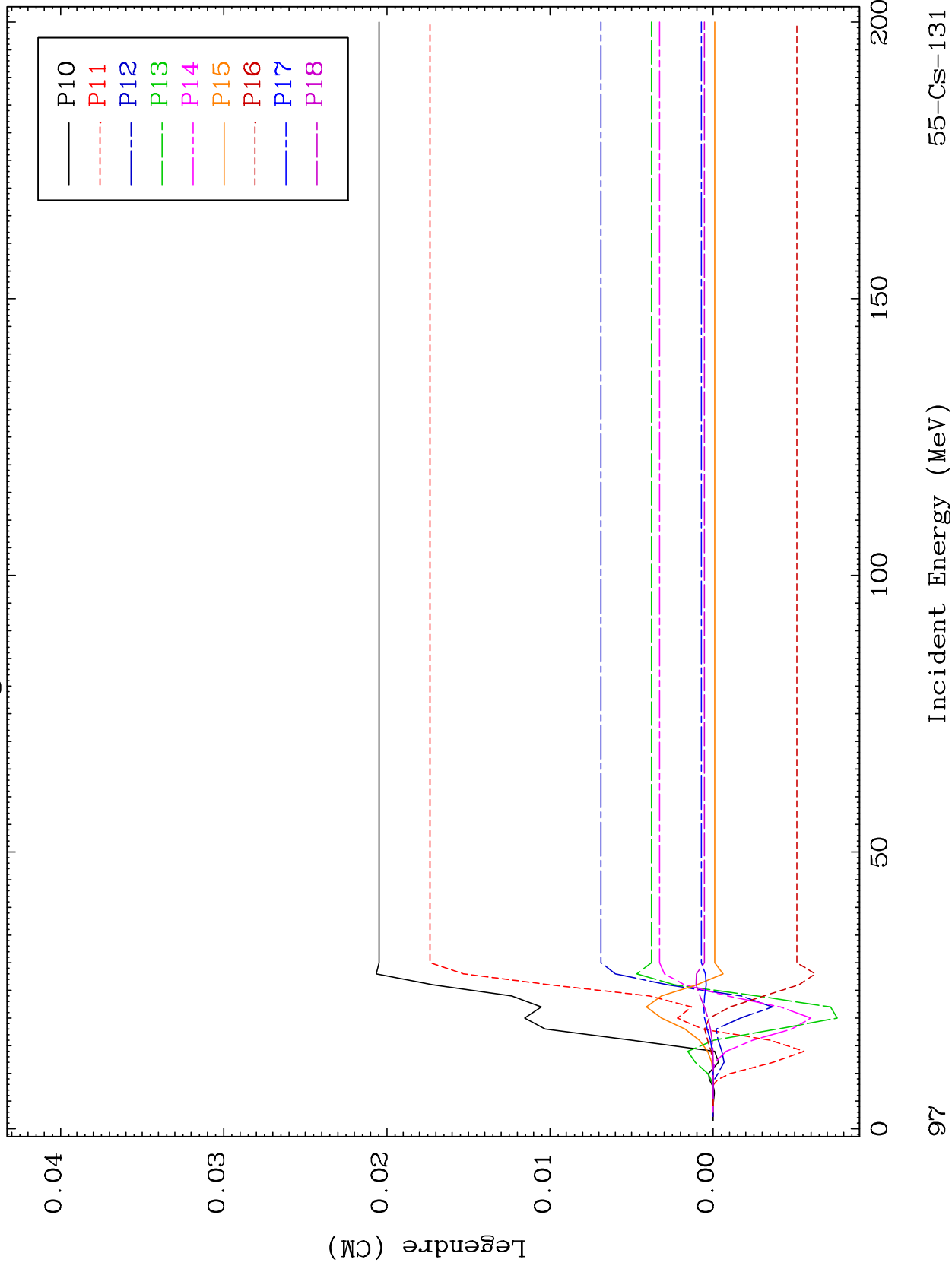
55-Cs-131



MAT 5519

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

55-Cs-131



97

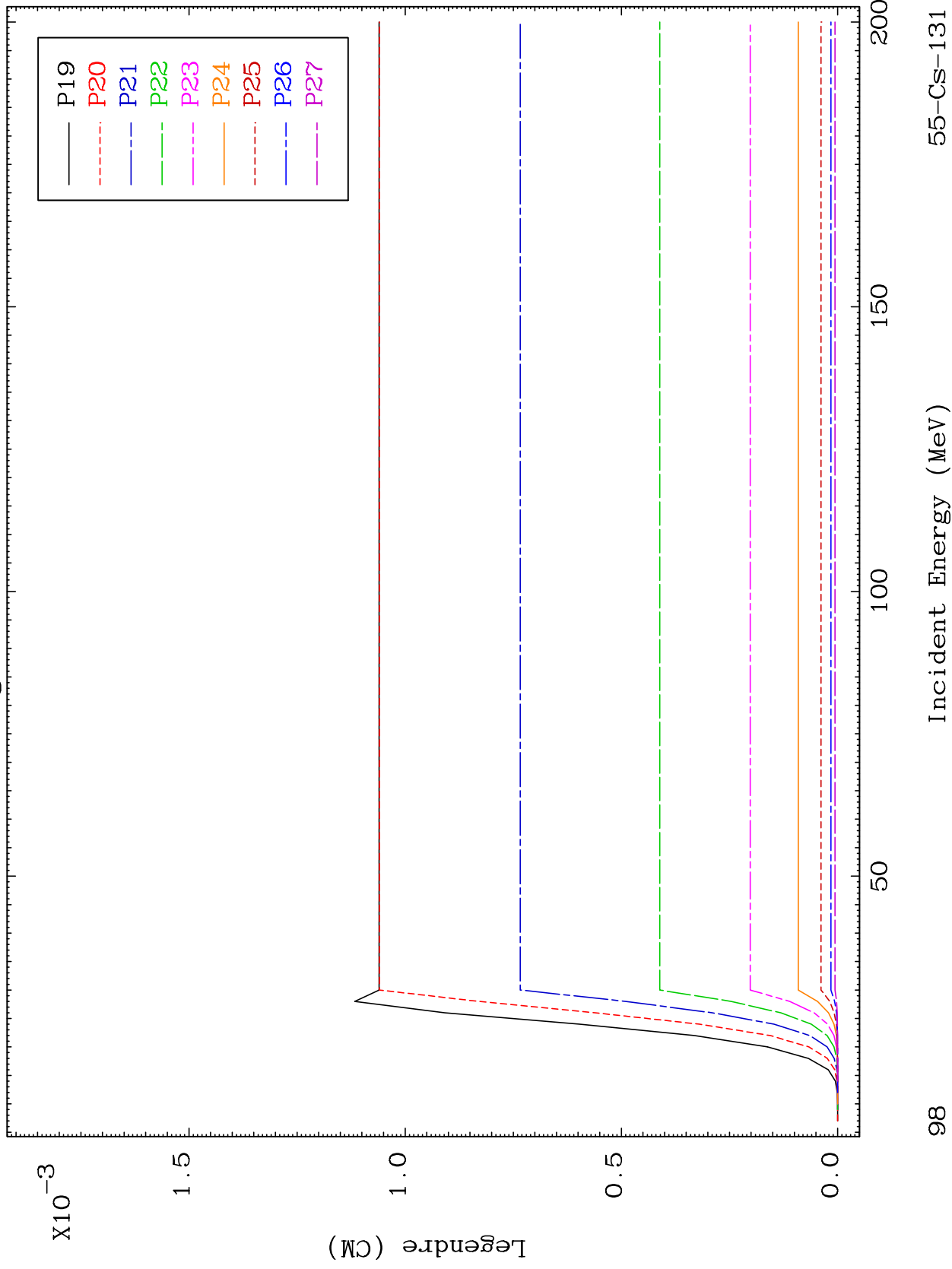
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

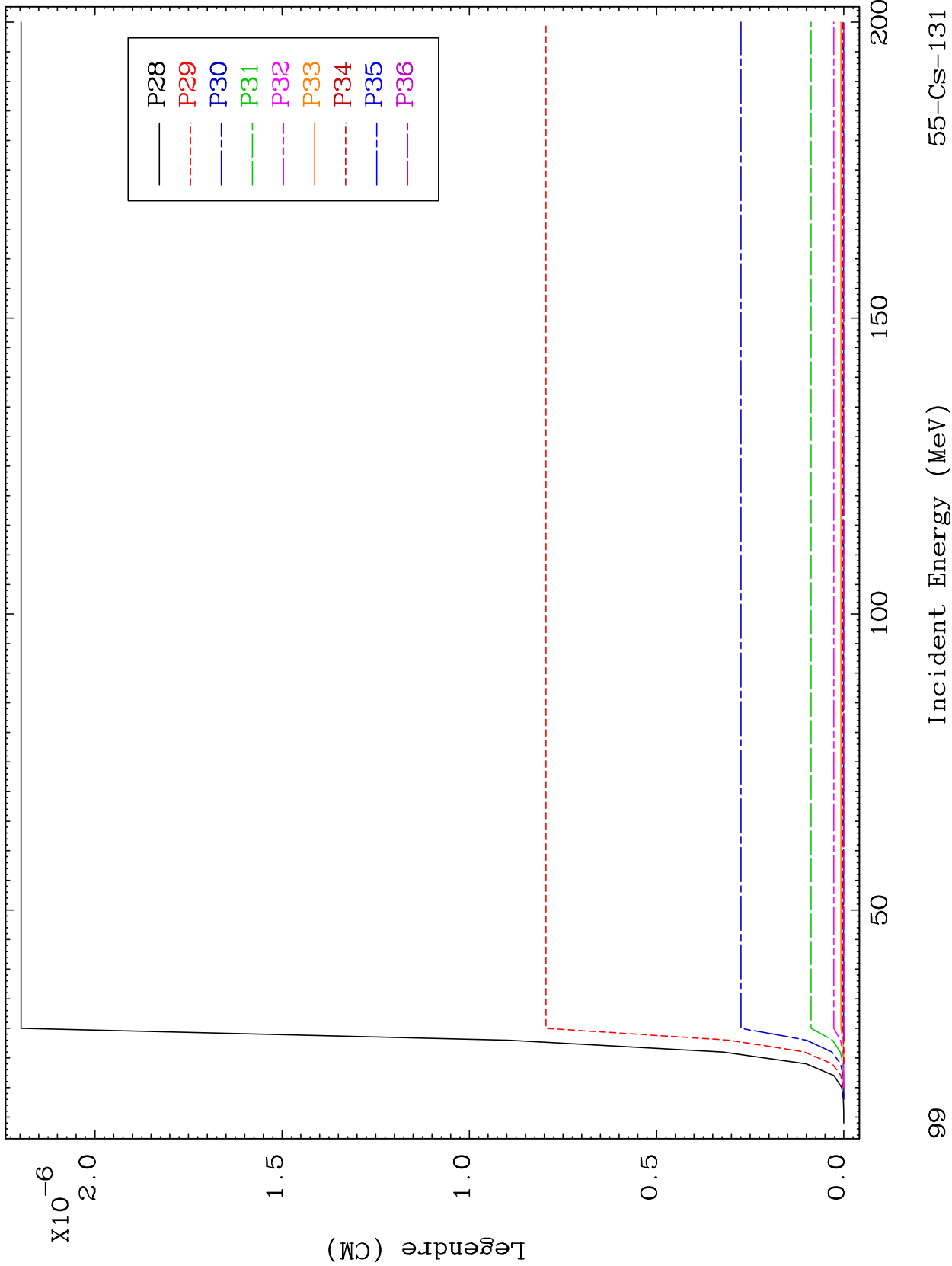
55-Cs-131

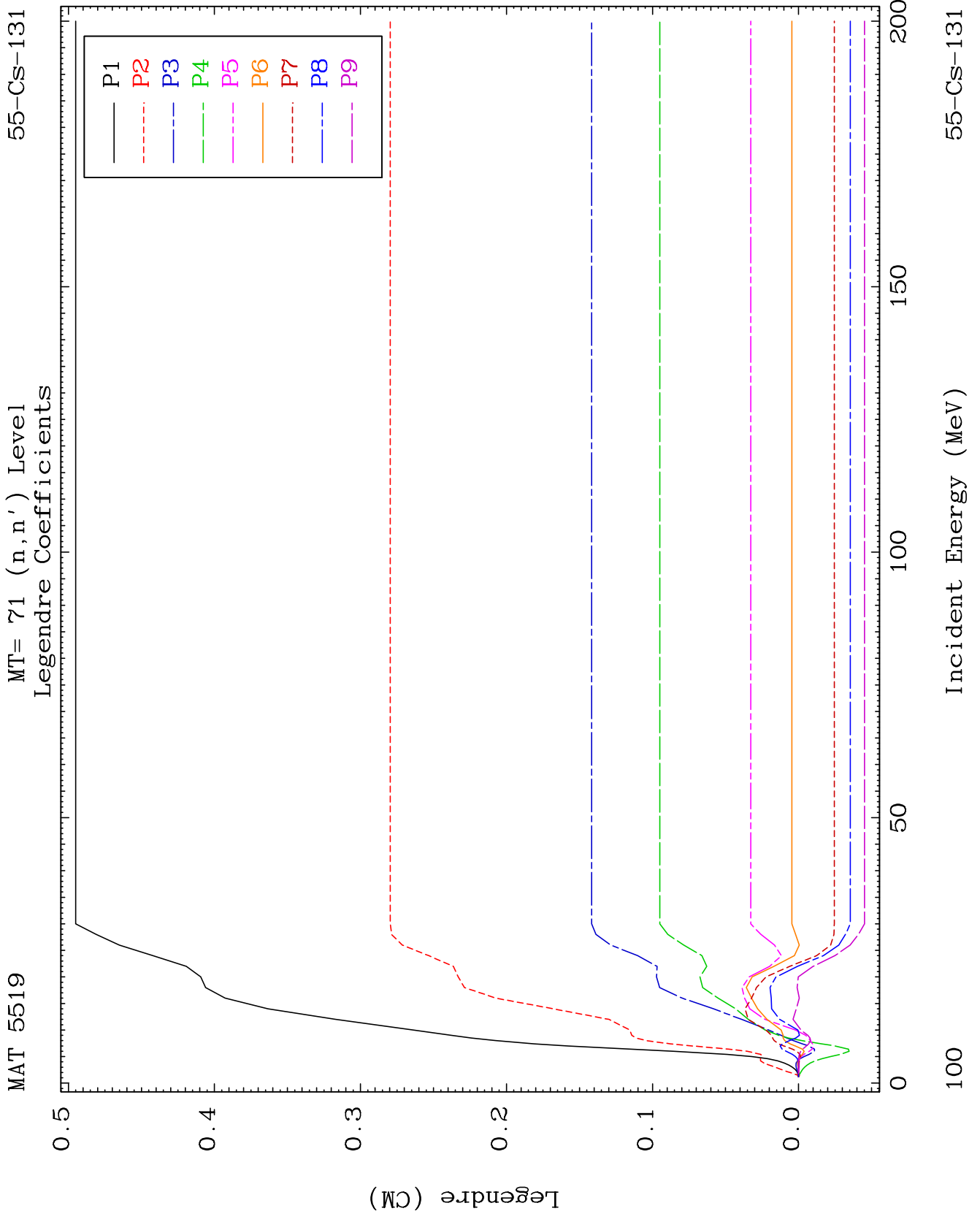


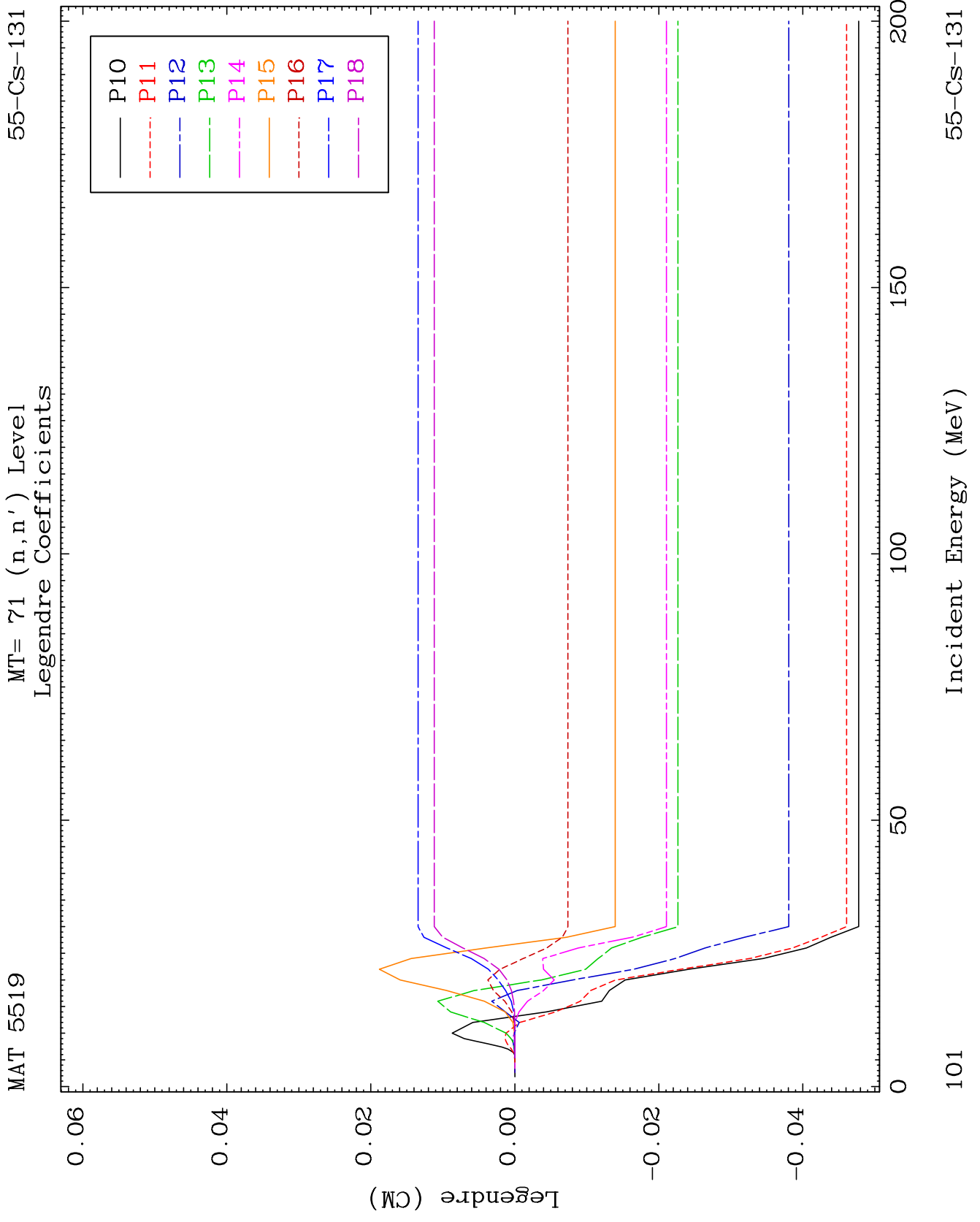
MAT 5519

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

55-Cs-131



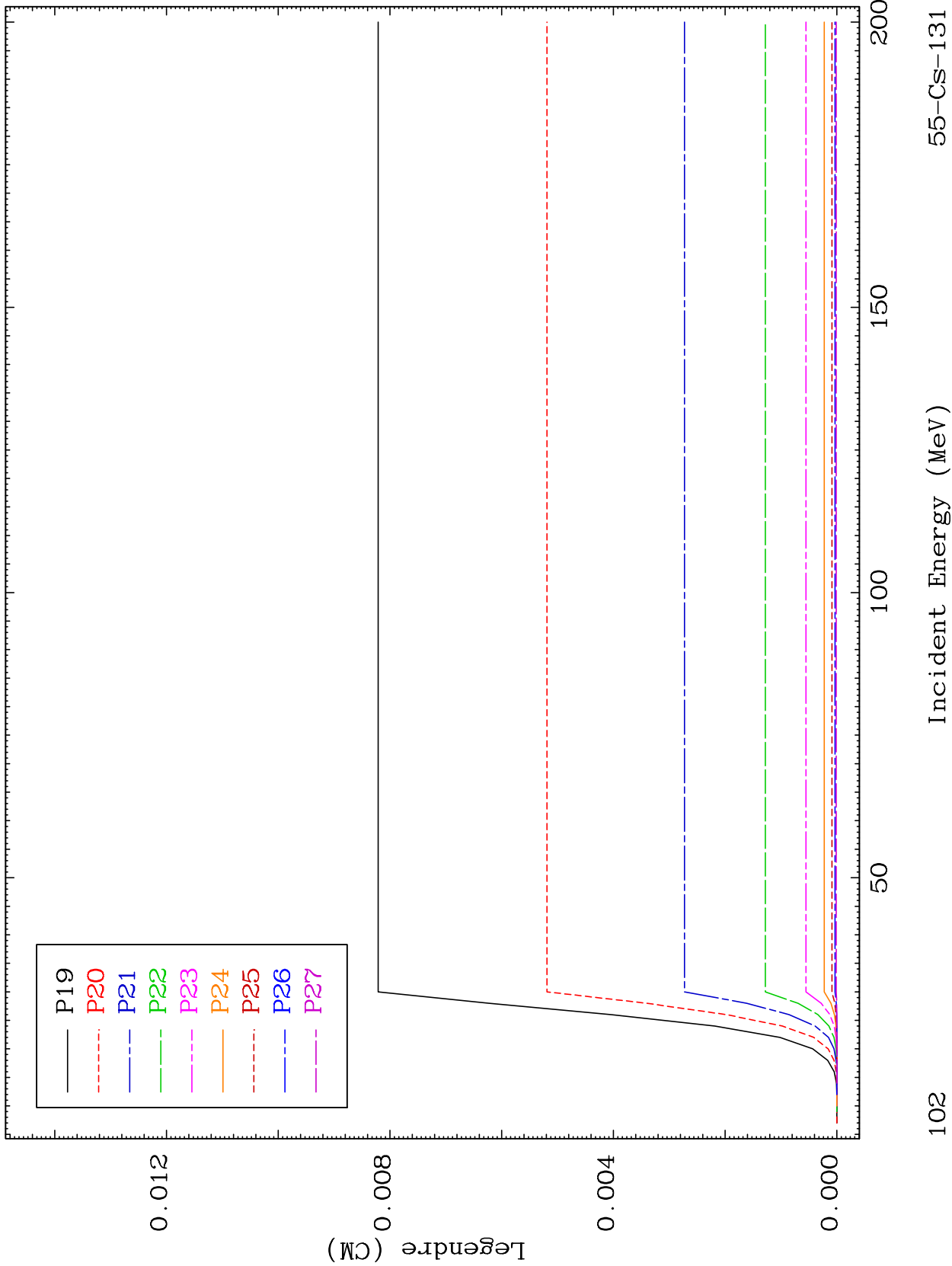




MAT 5519

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

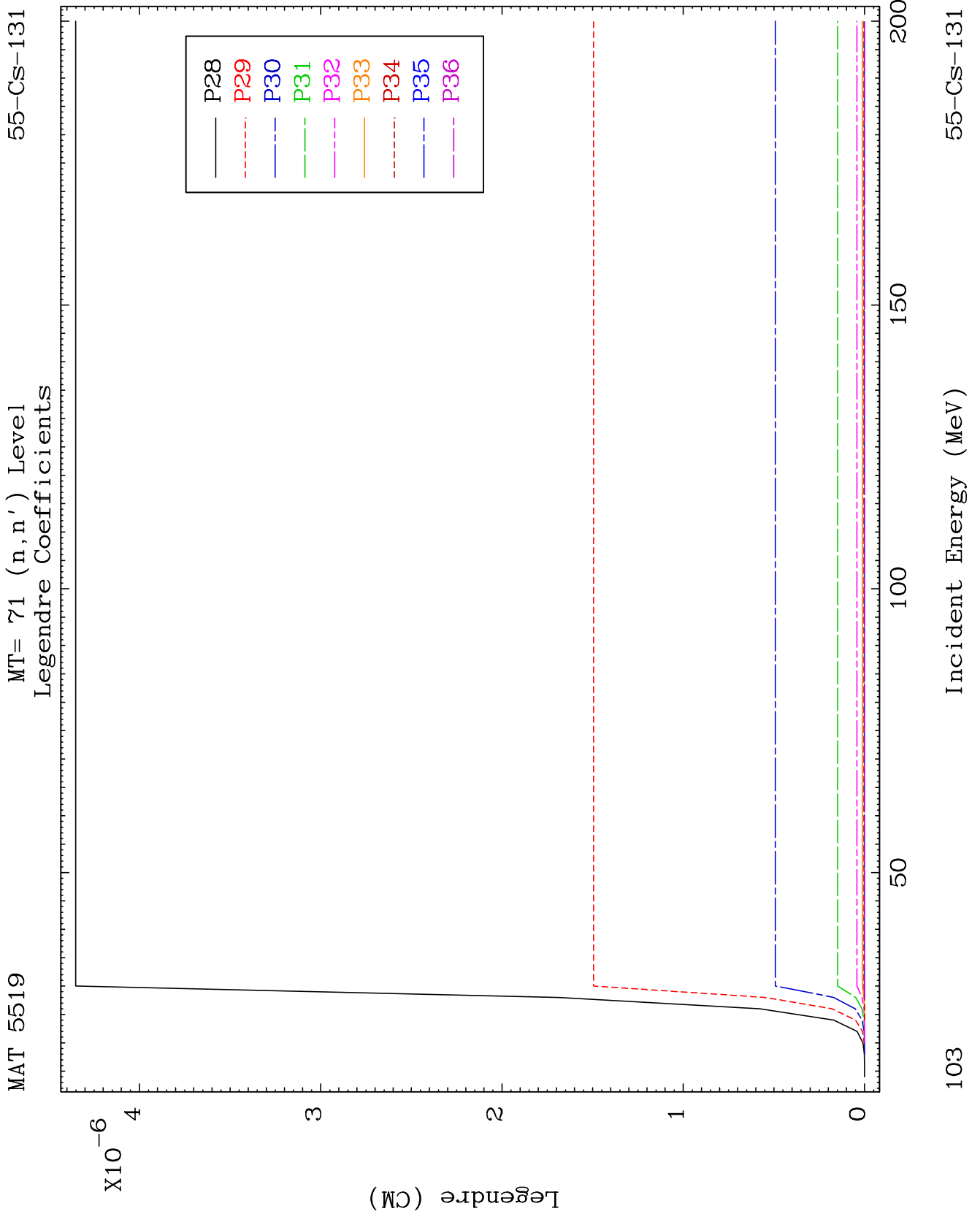
55-Cs-131

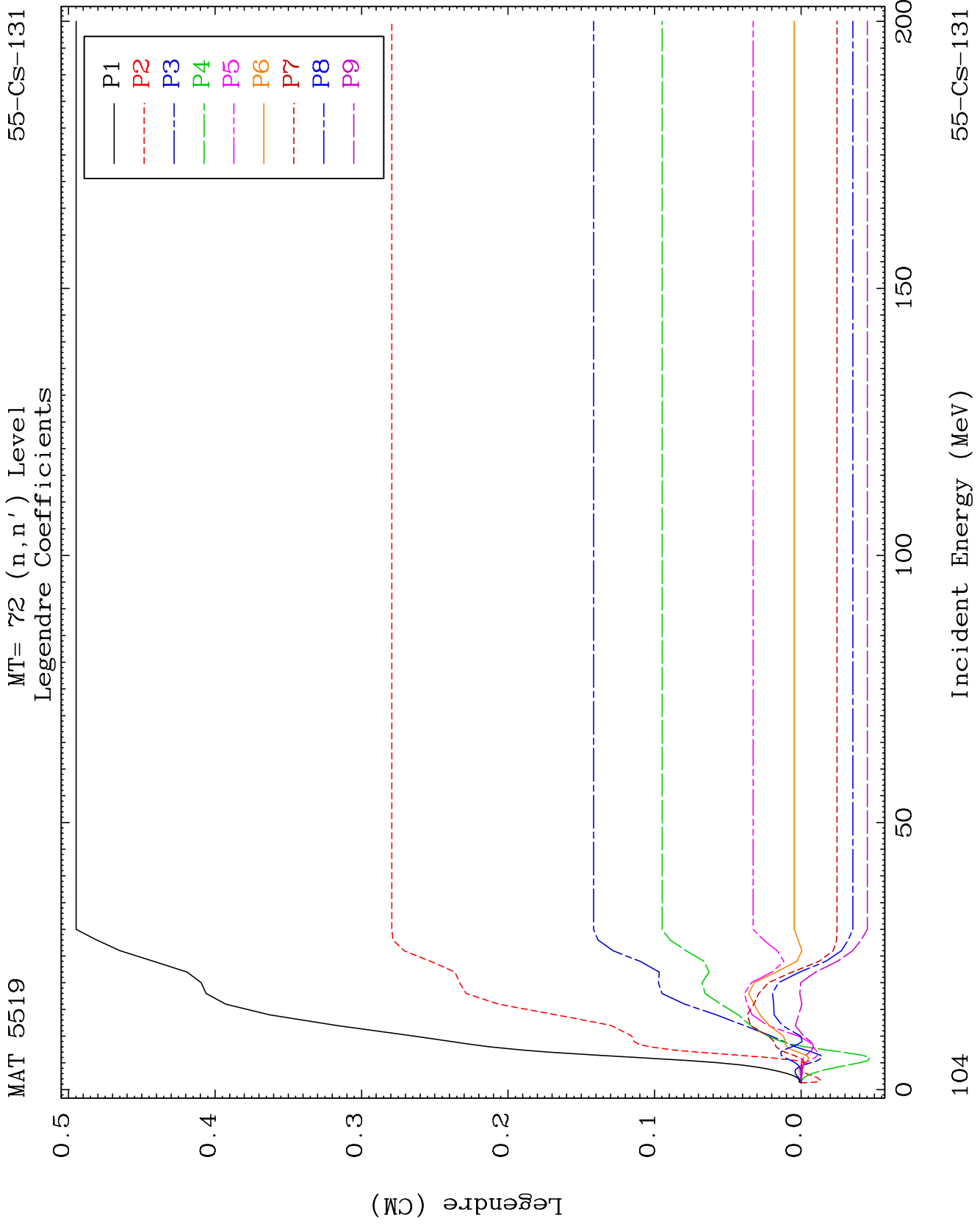


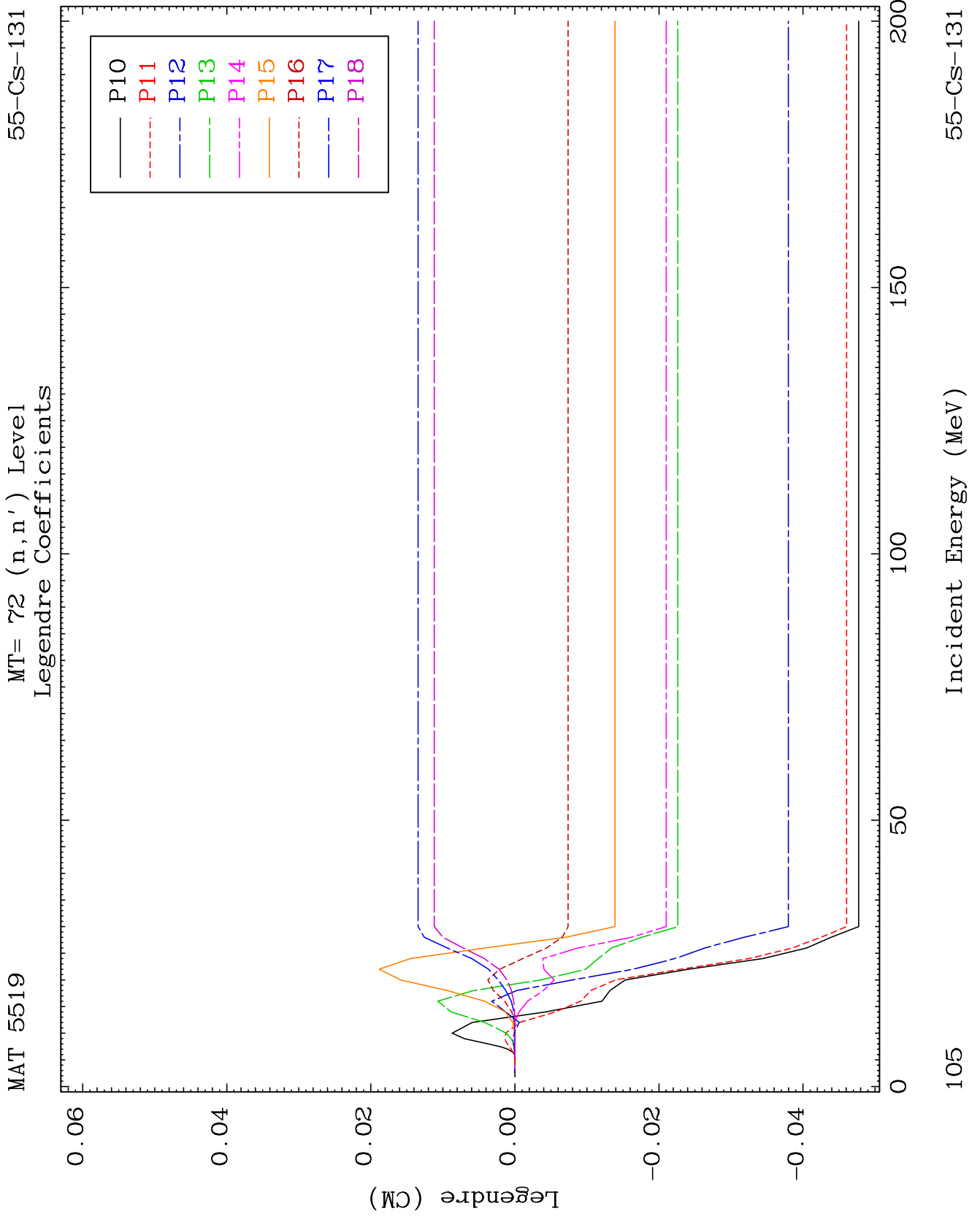
102

Incident Energy (MeV)

55-Cs-131



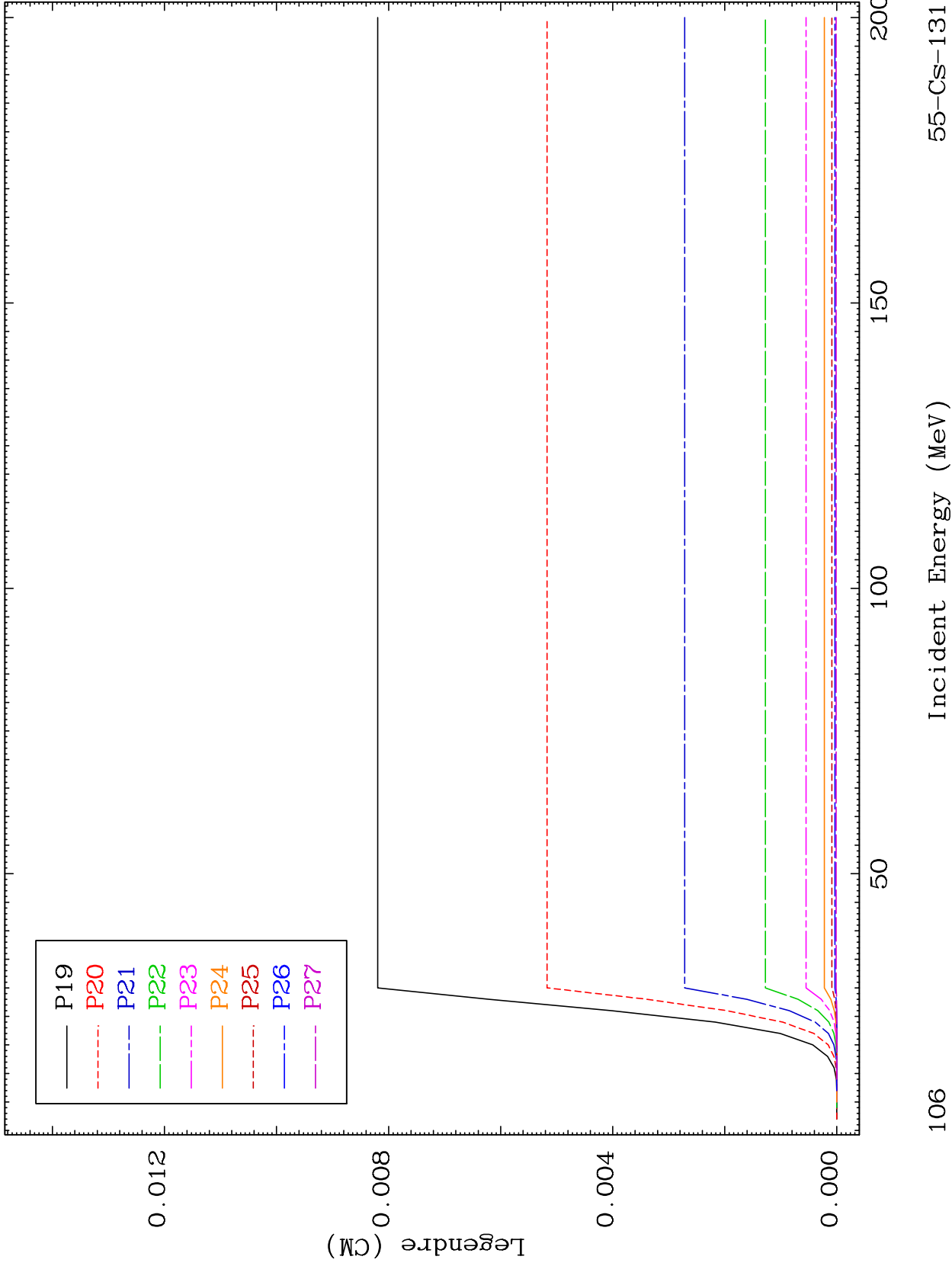




MAT 5519

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

55-Cs-131



106

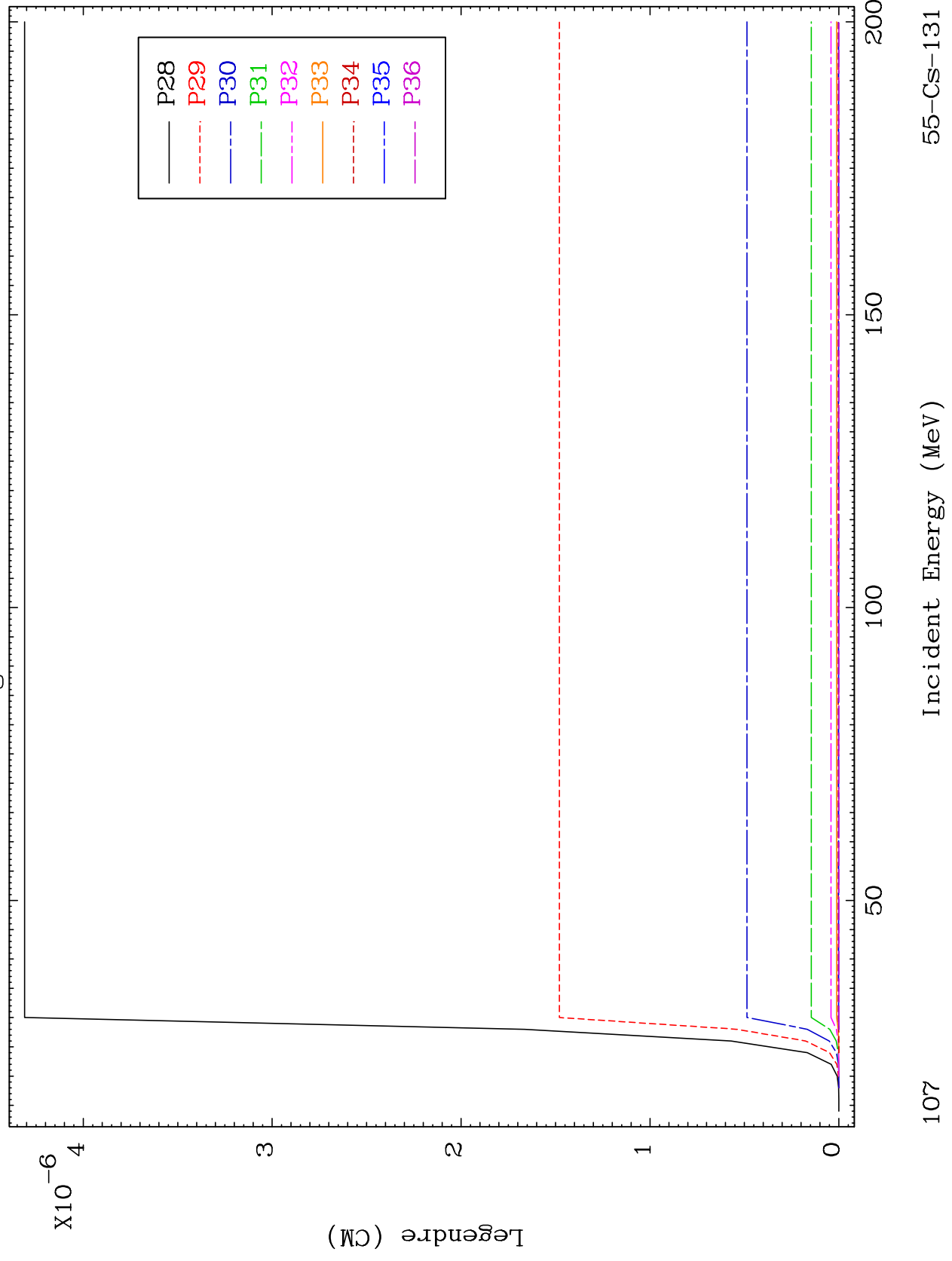
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

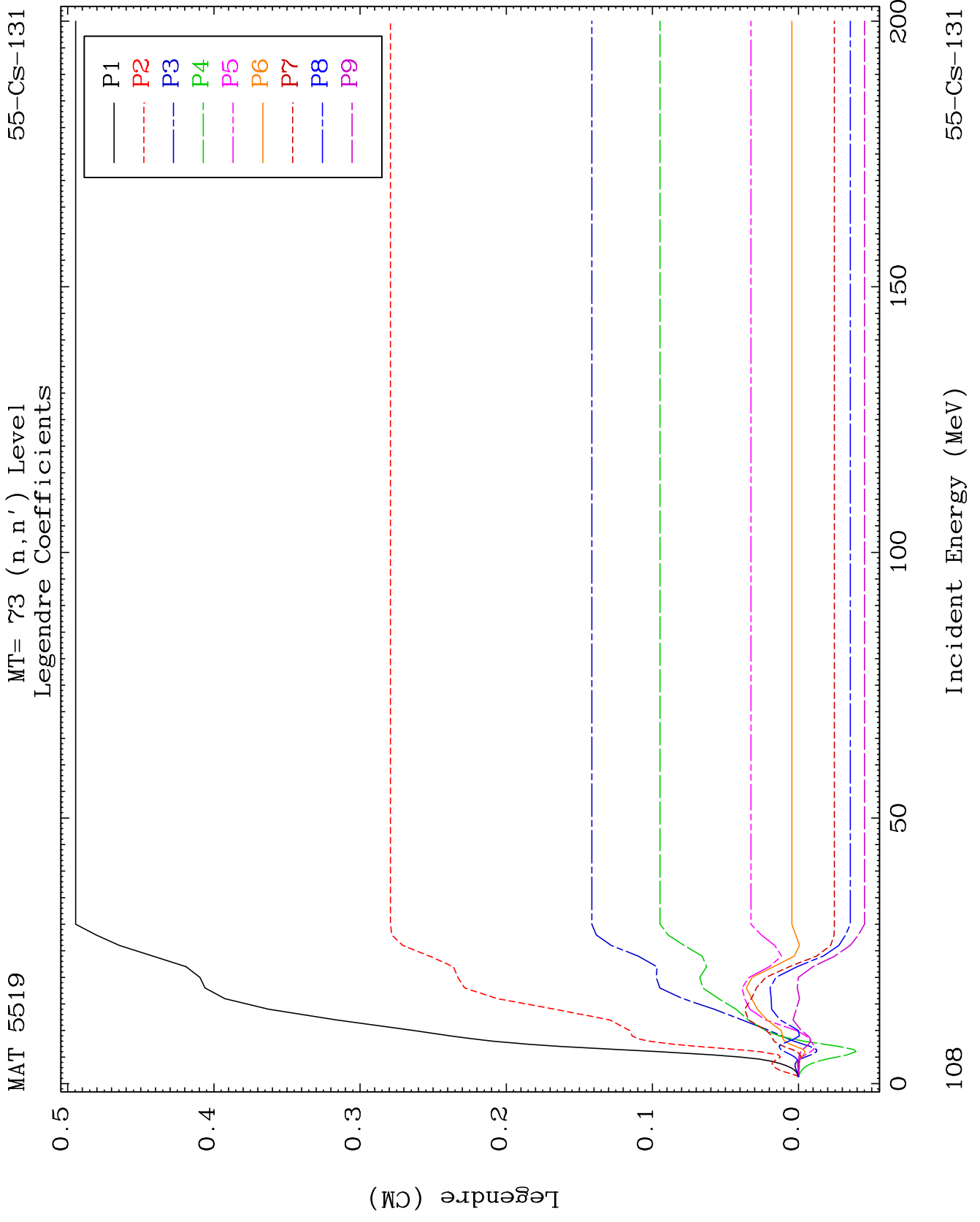
55-Cs-131

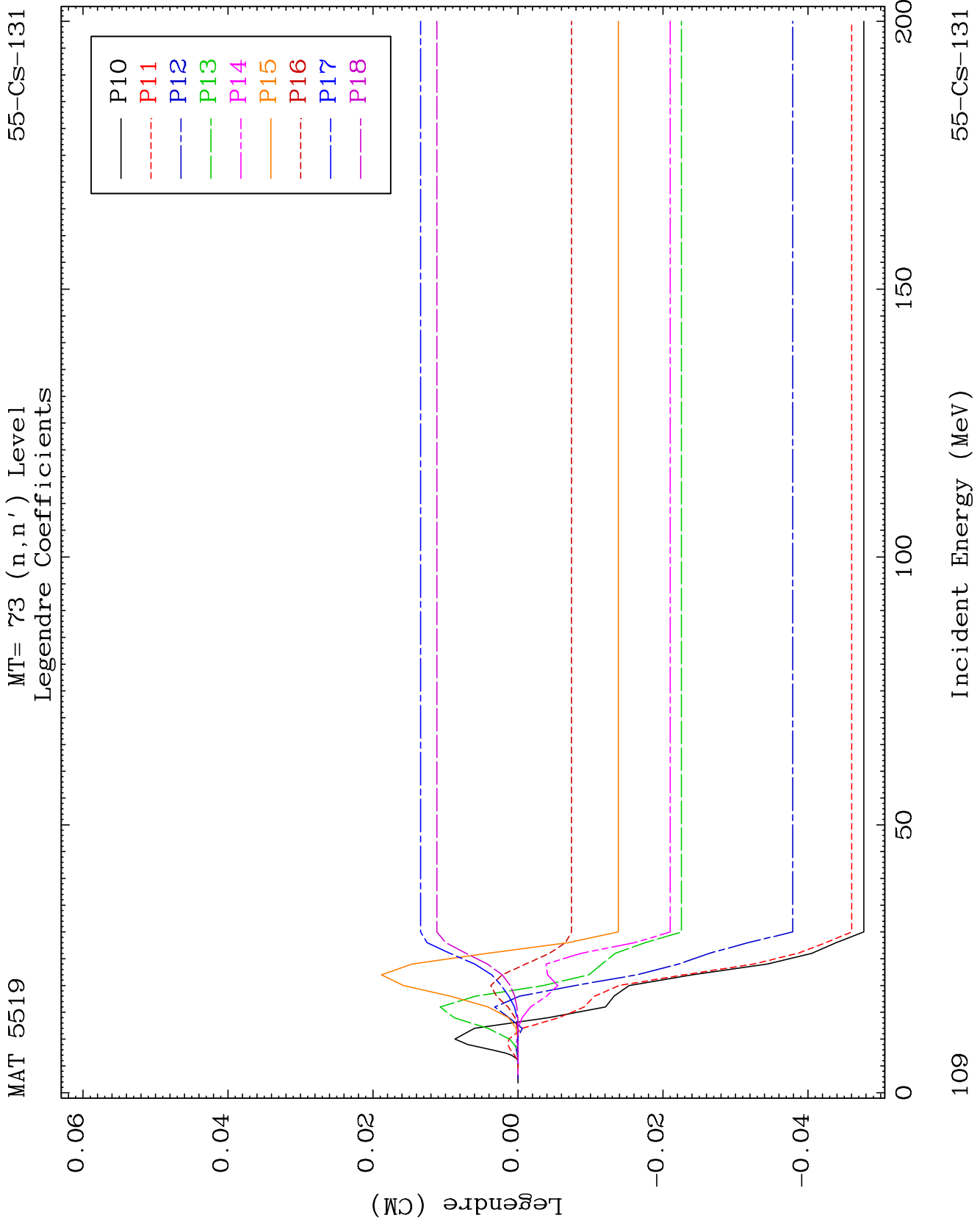


107

Incident Energy (MeV)

55-Cs-131

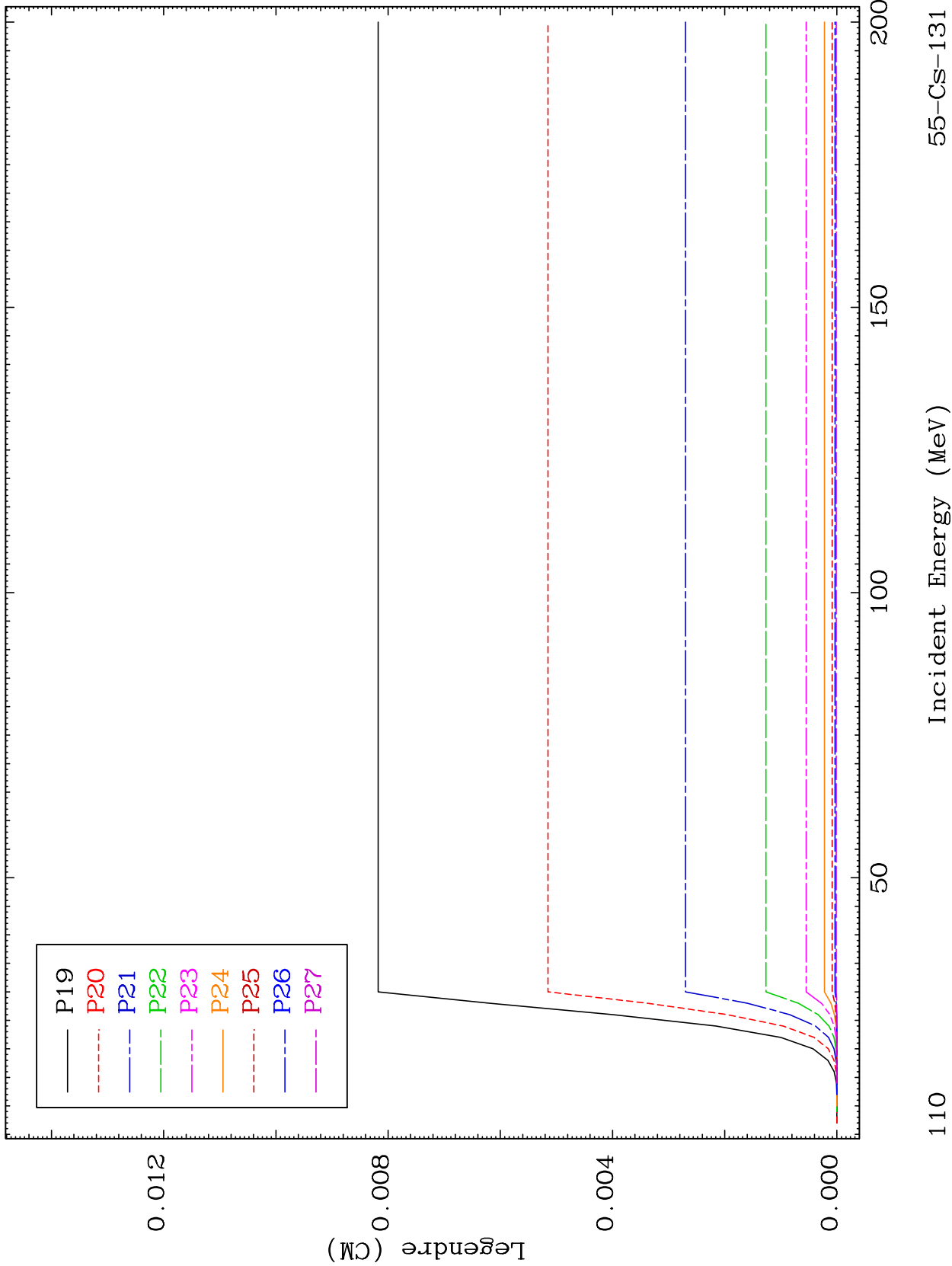




MAT 5519

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

55-Cs-131



110

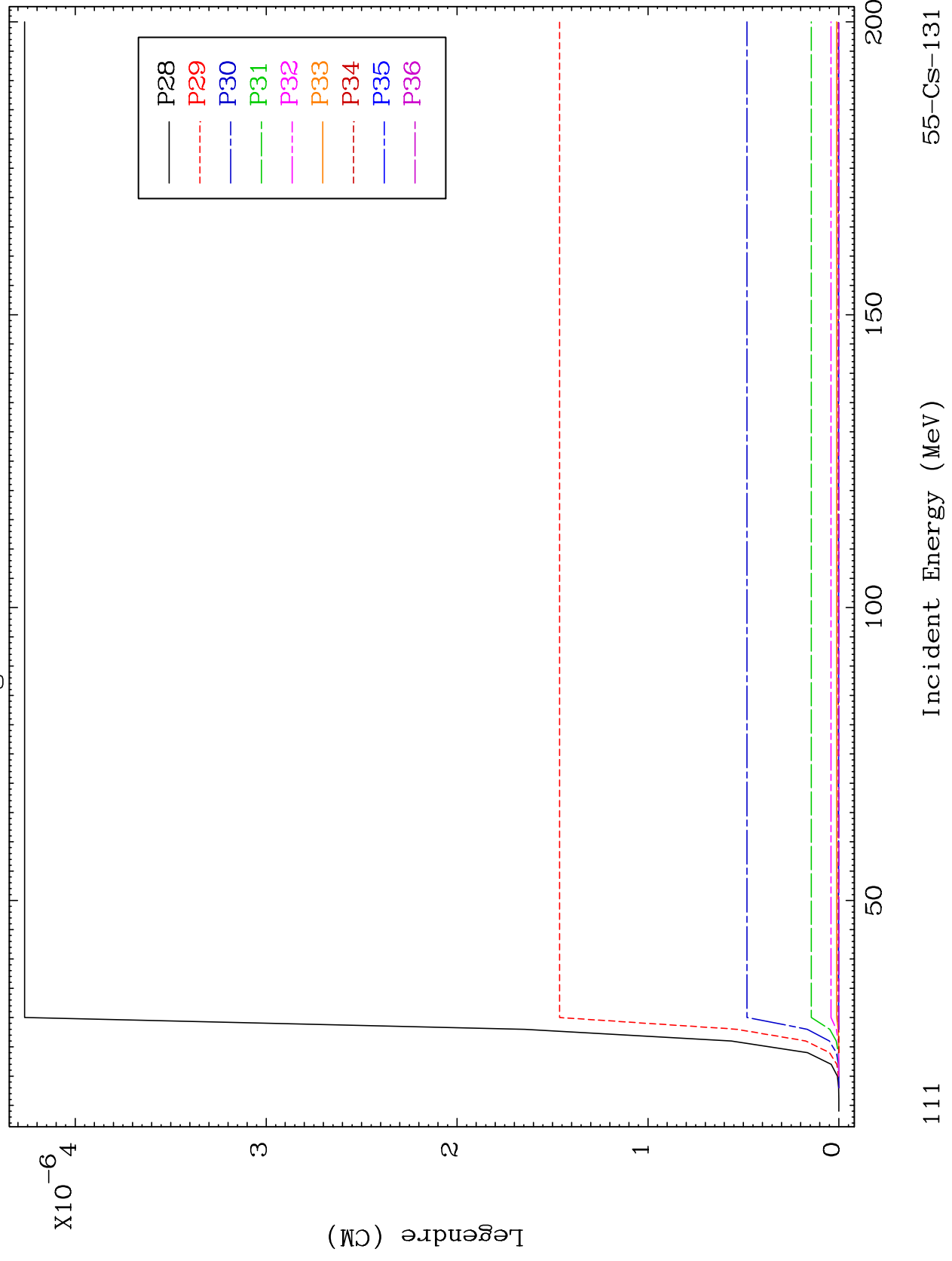
Incident Energy (MeV)

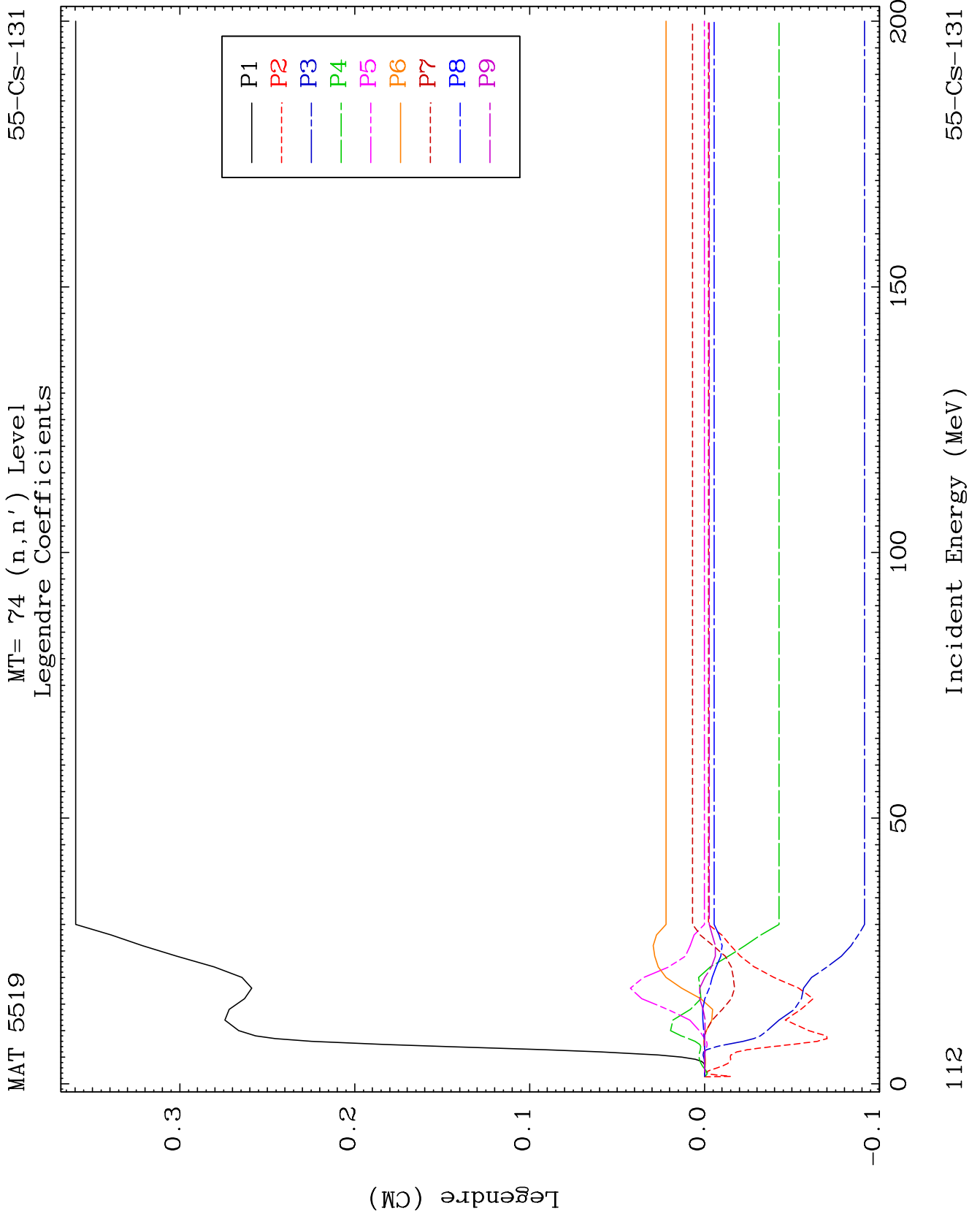
55-Cs-131

MAT 5519

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

55-Cs-131

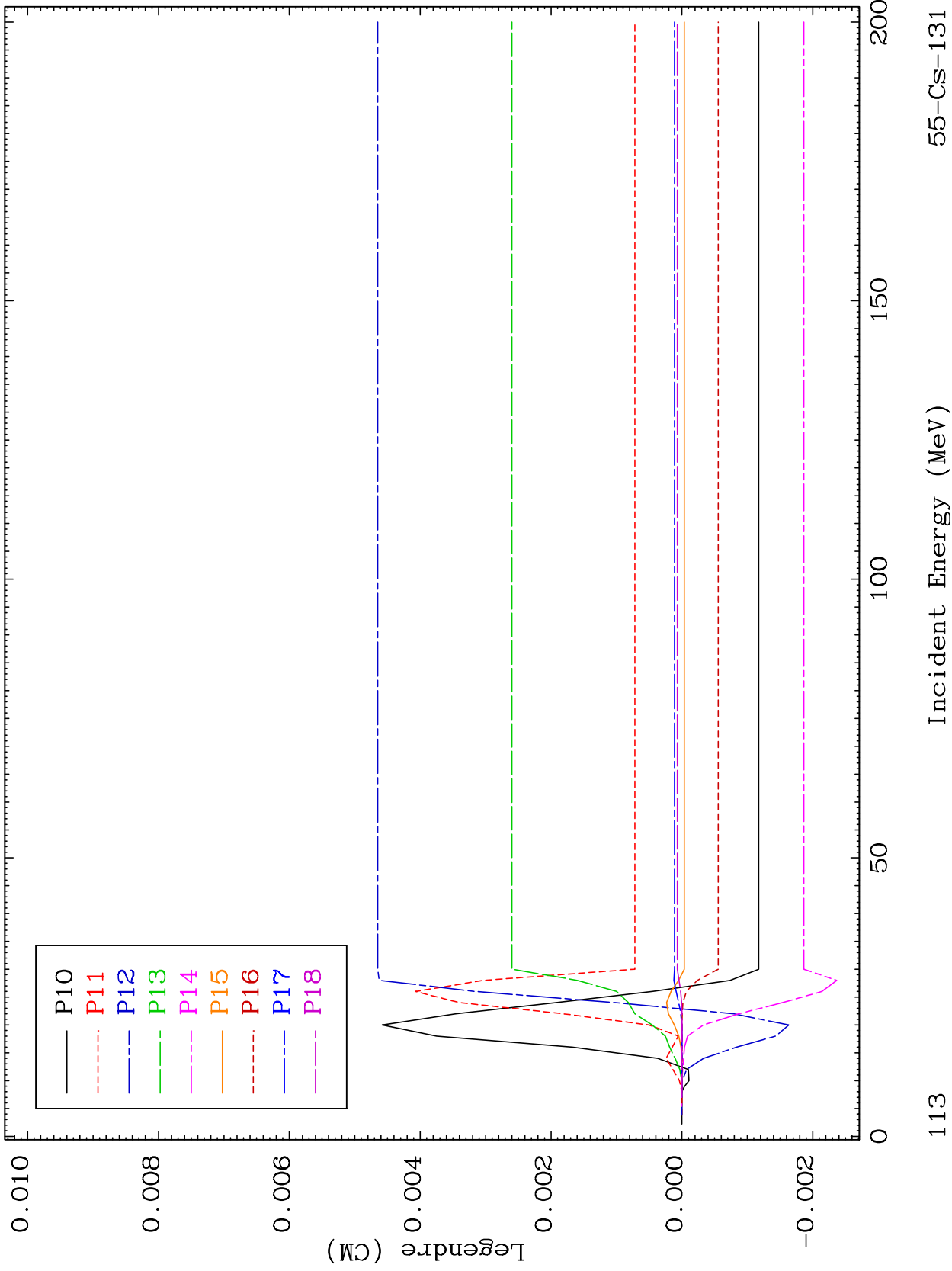




MAT 5519

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

55-Cs-131



113

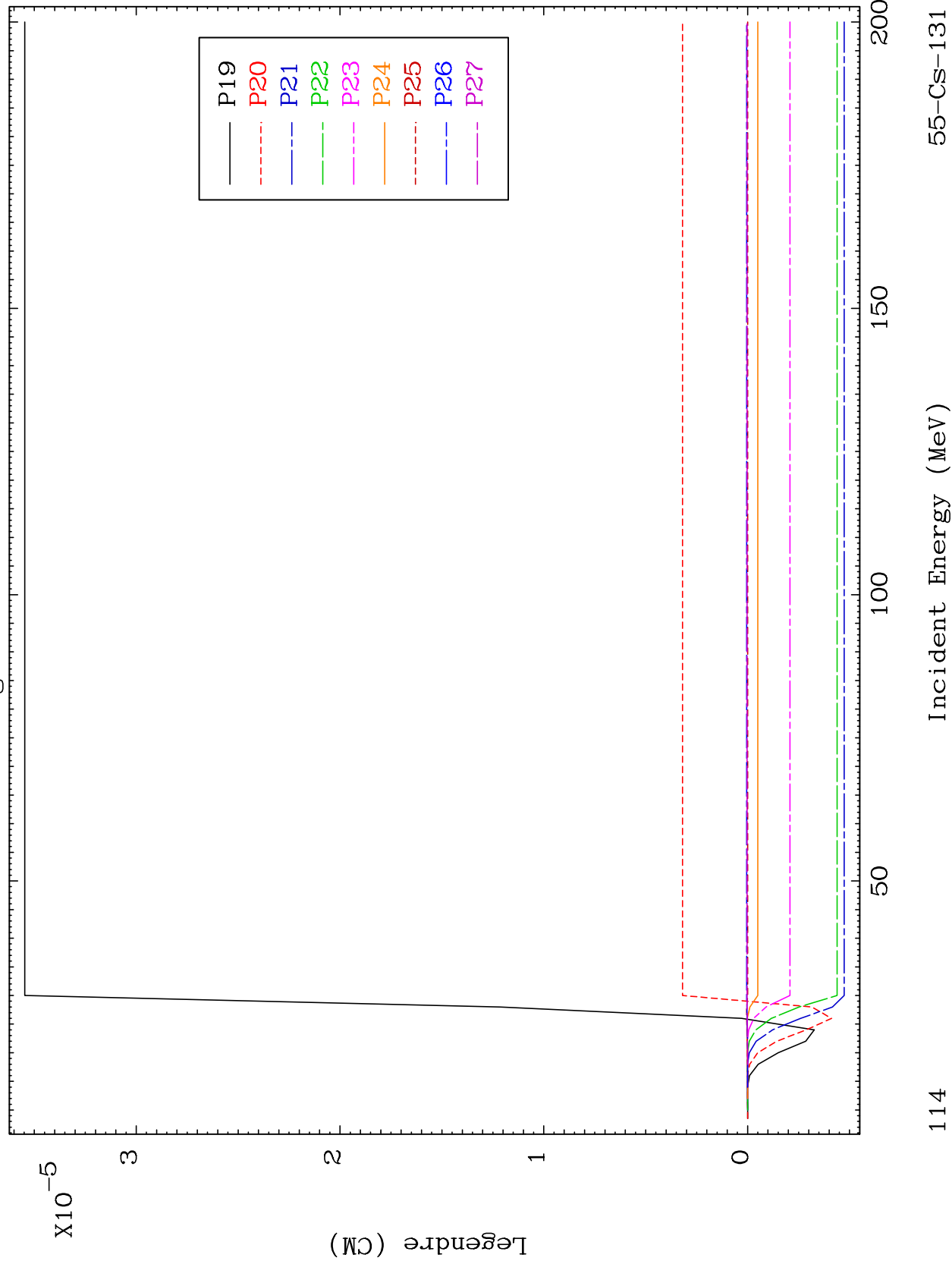
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

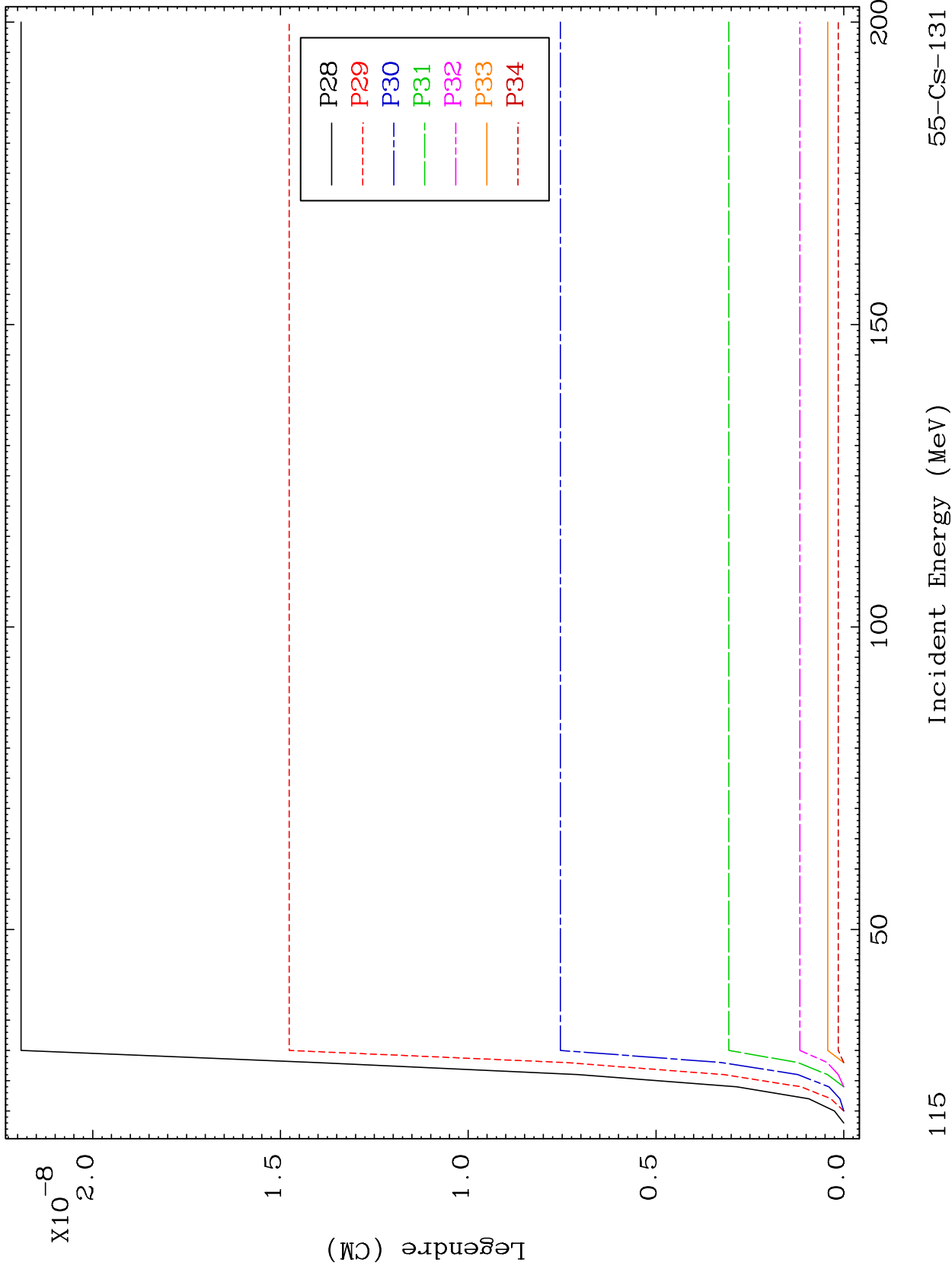
55-Cs-131



MAT 5519

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

55-Cs-131



115

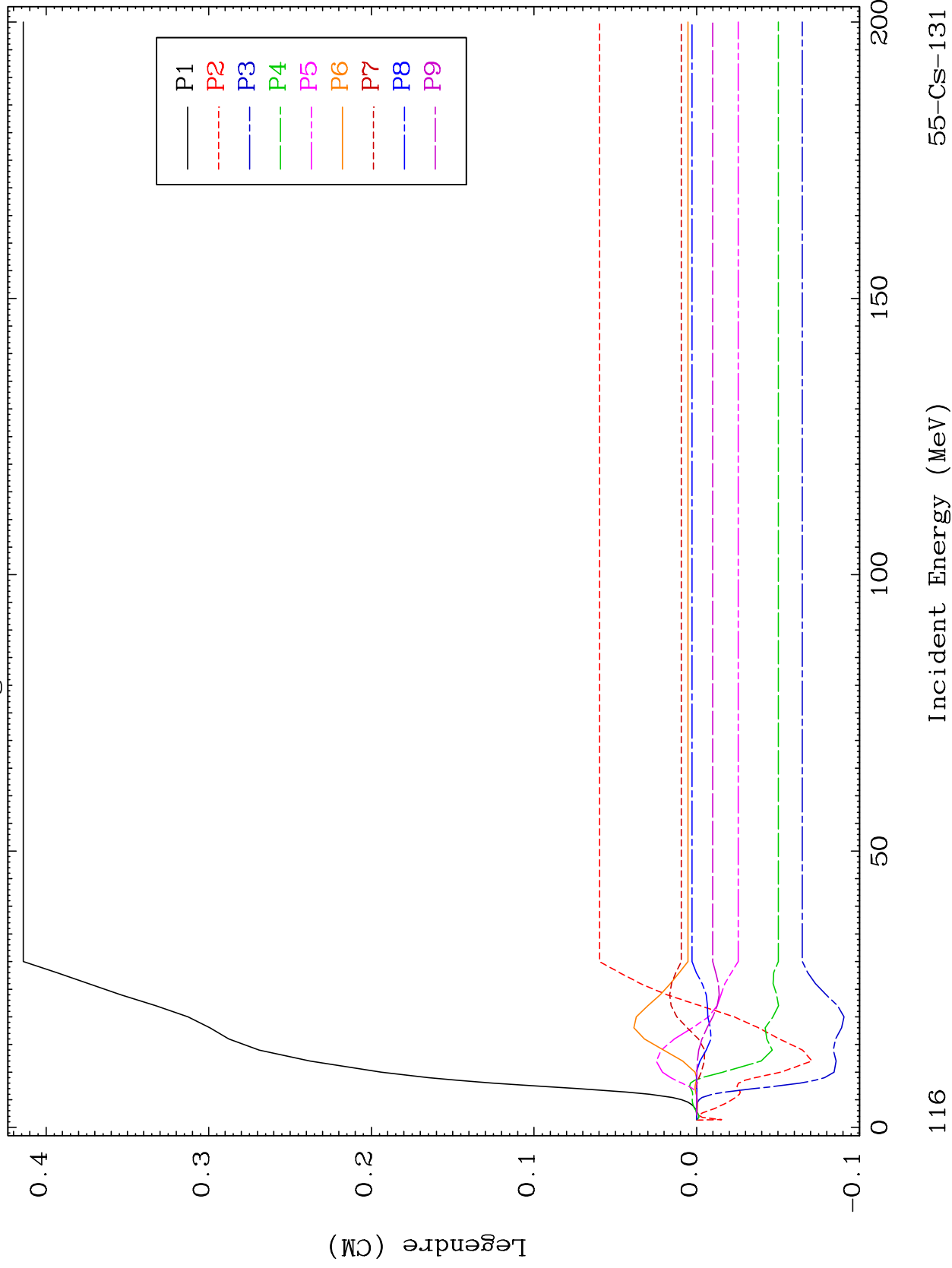
Incident Energy (MeV)

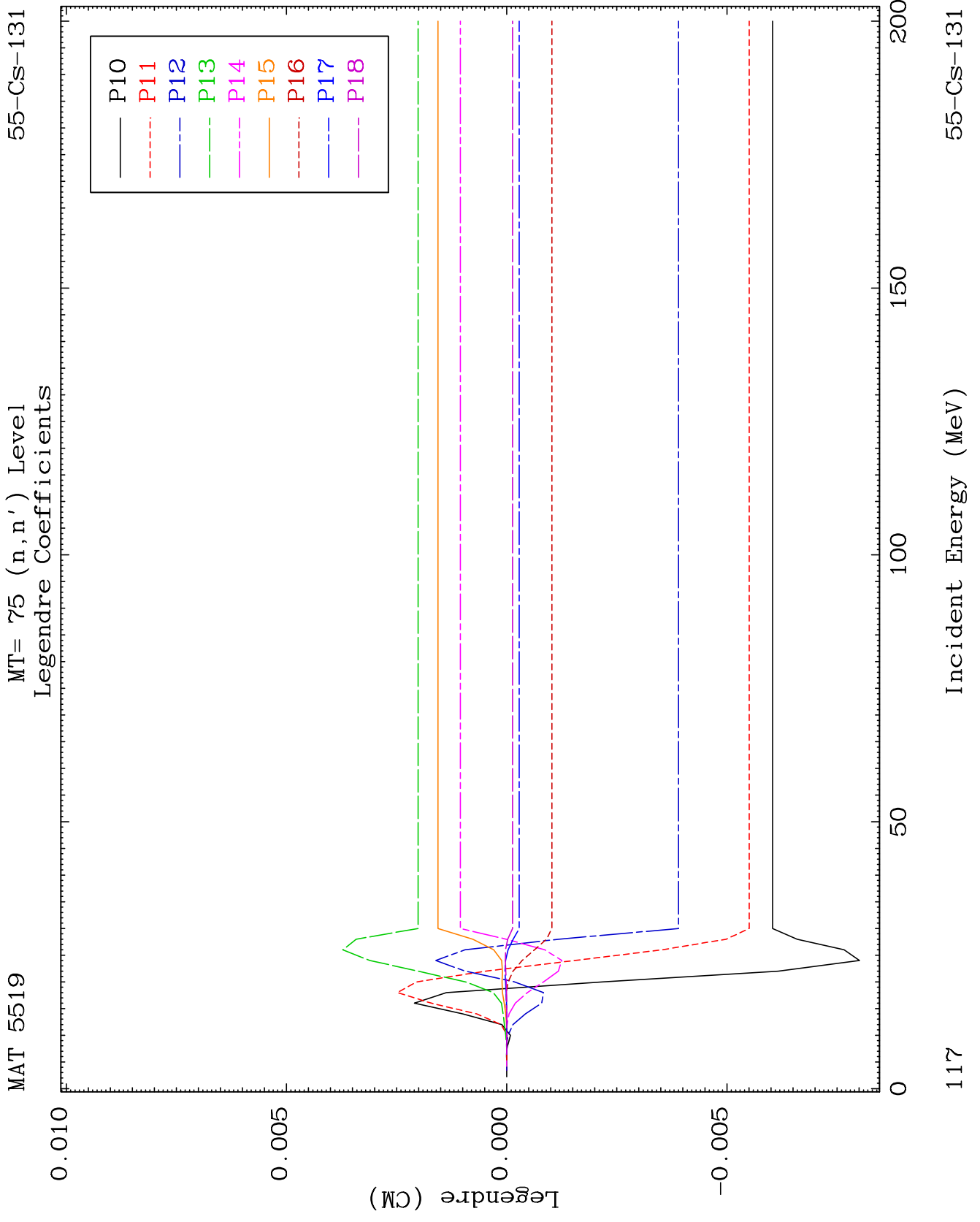
55-Cs-131

MAT 5519

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

55-Cs-131

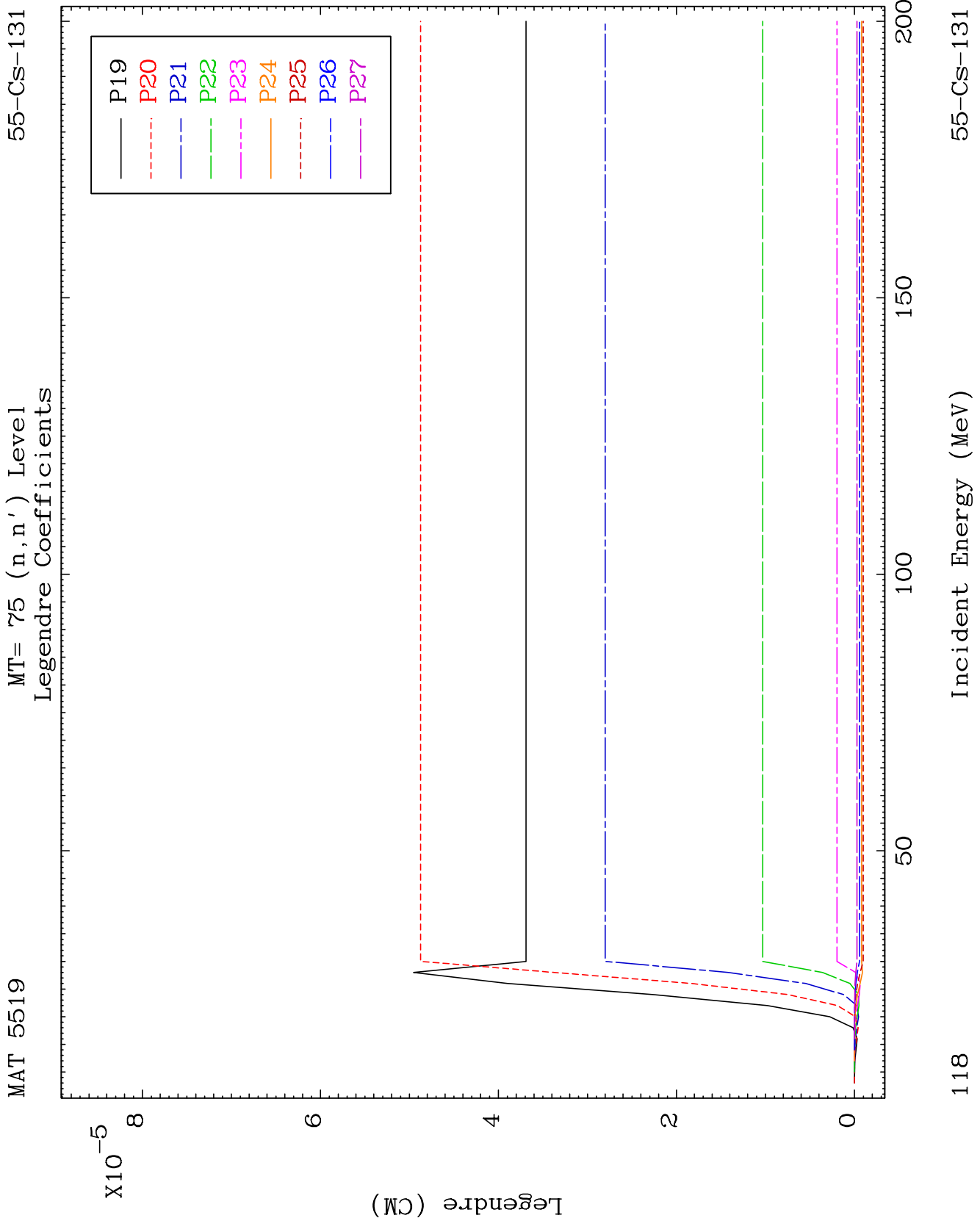


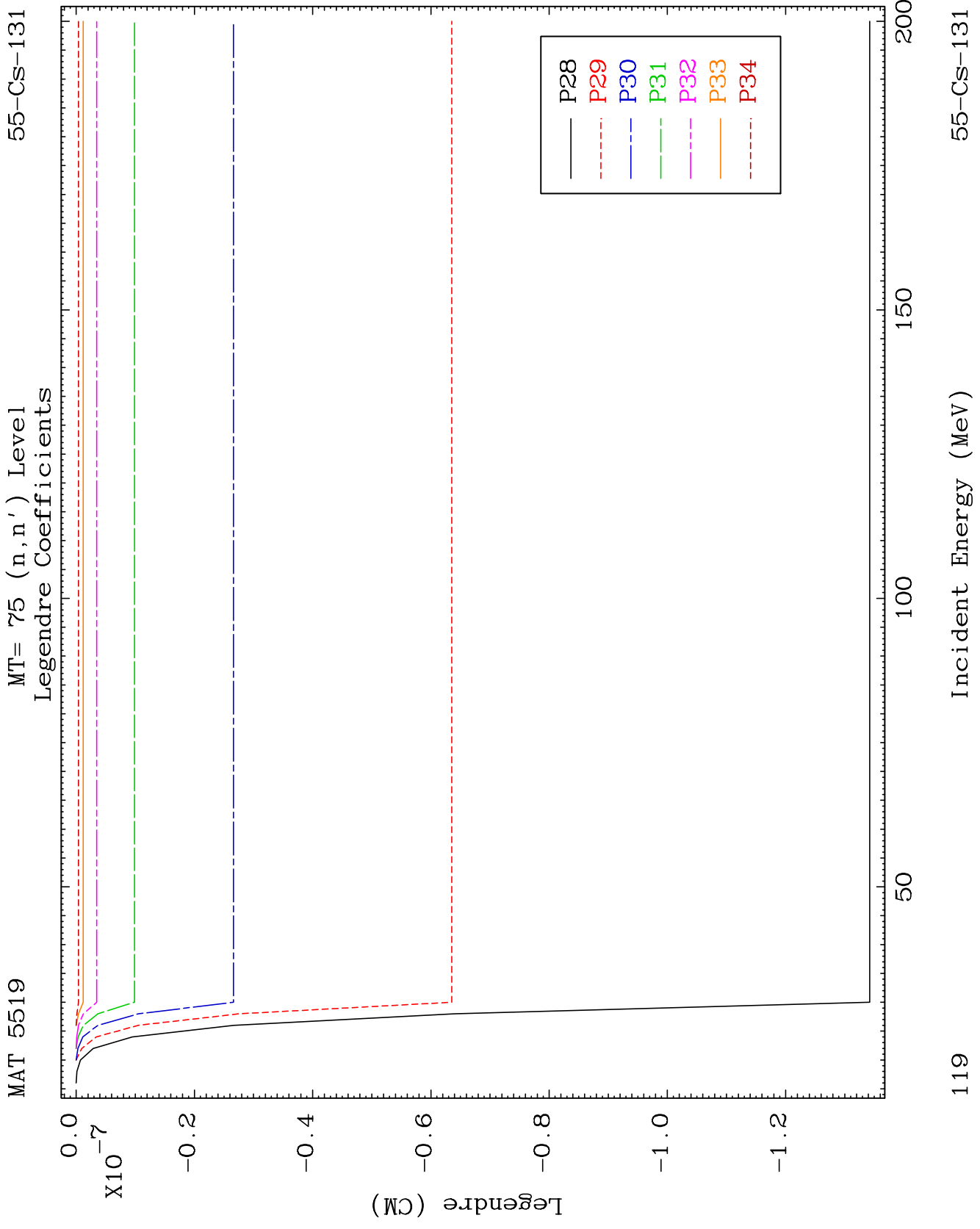


55-Cs-131

Incident Energy (MeV)

117

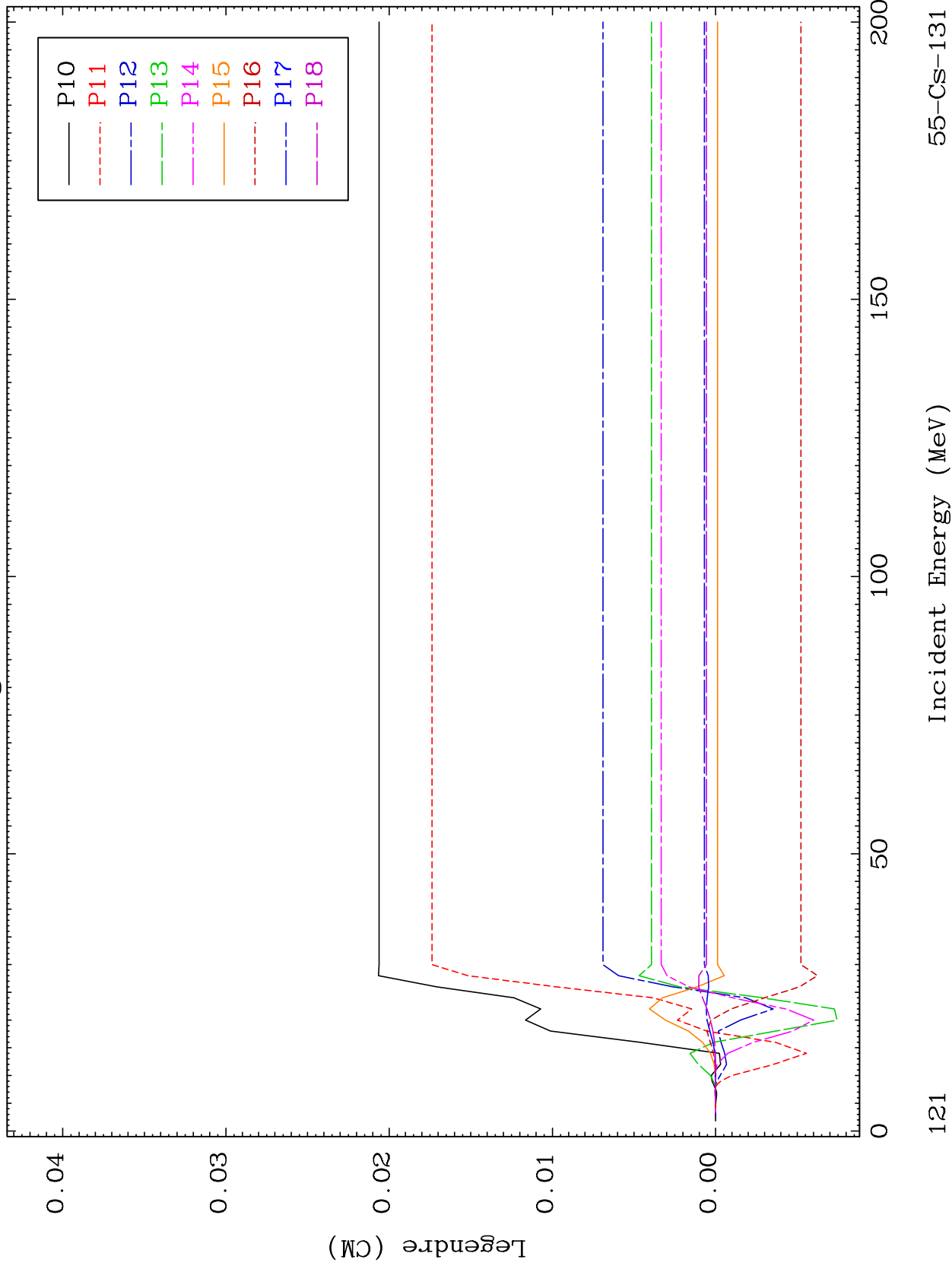




MAT 5519

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

55-Cs-131



55-Cs-131

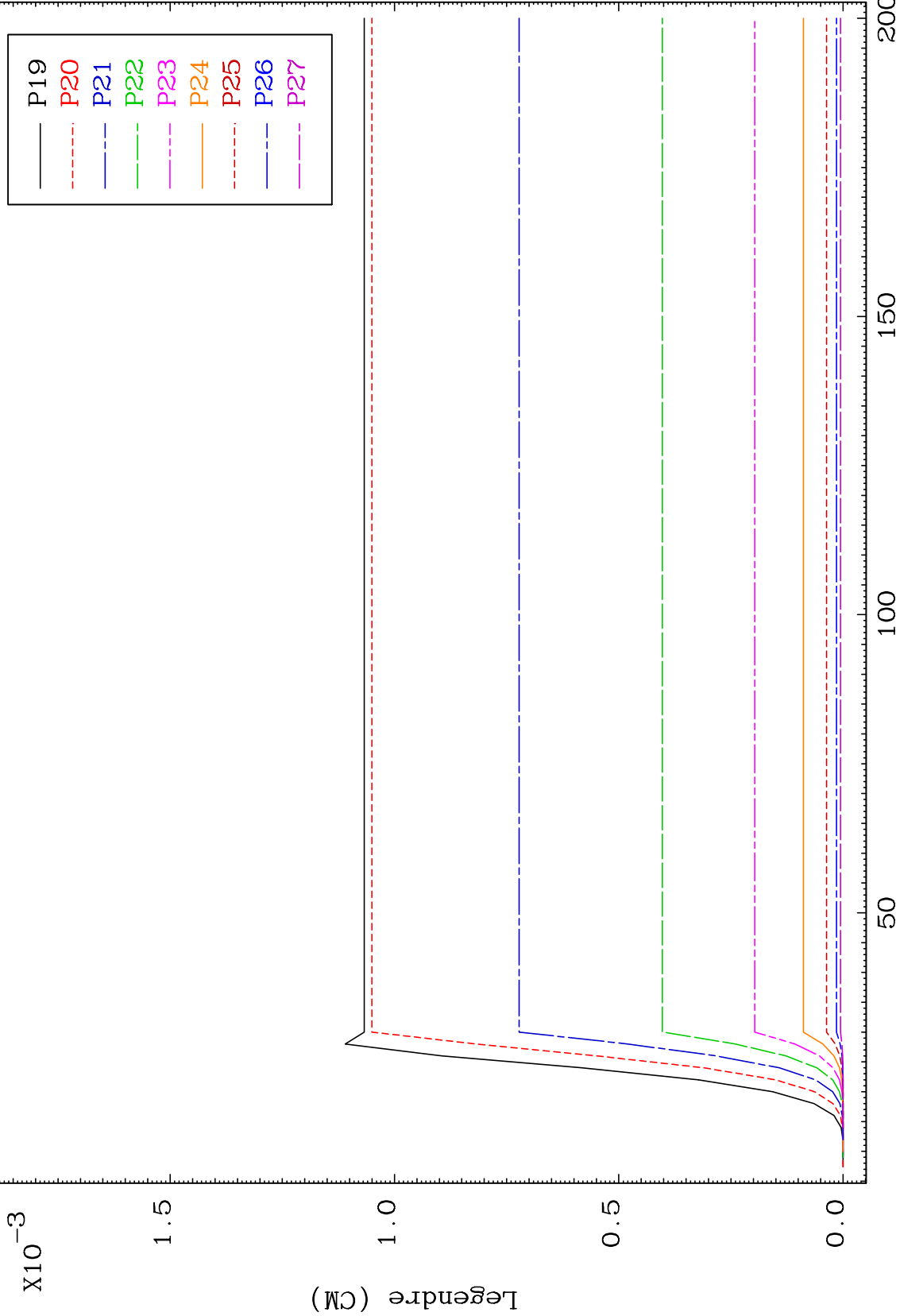
Incident Energy (MeV)

121

MAT 5519

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

55-Cs-131



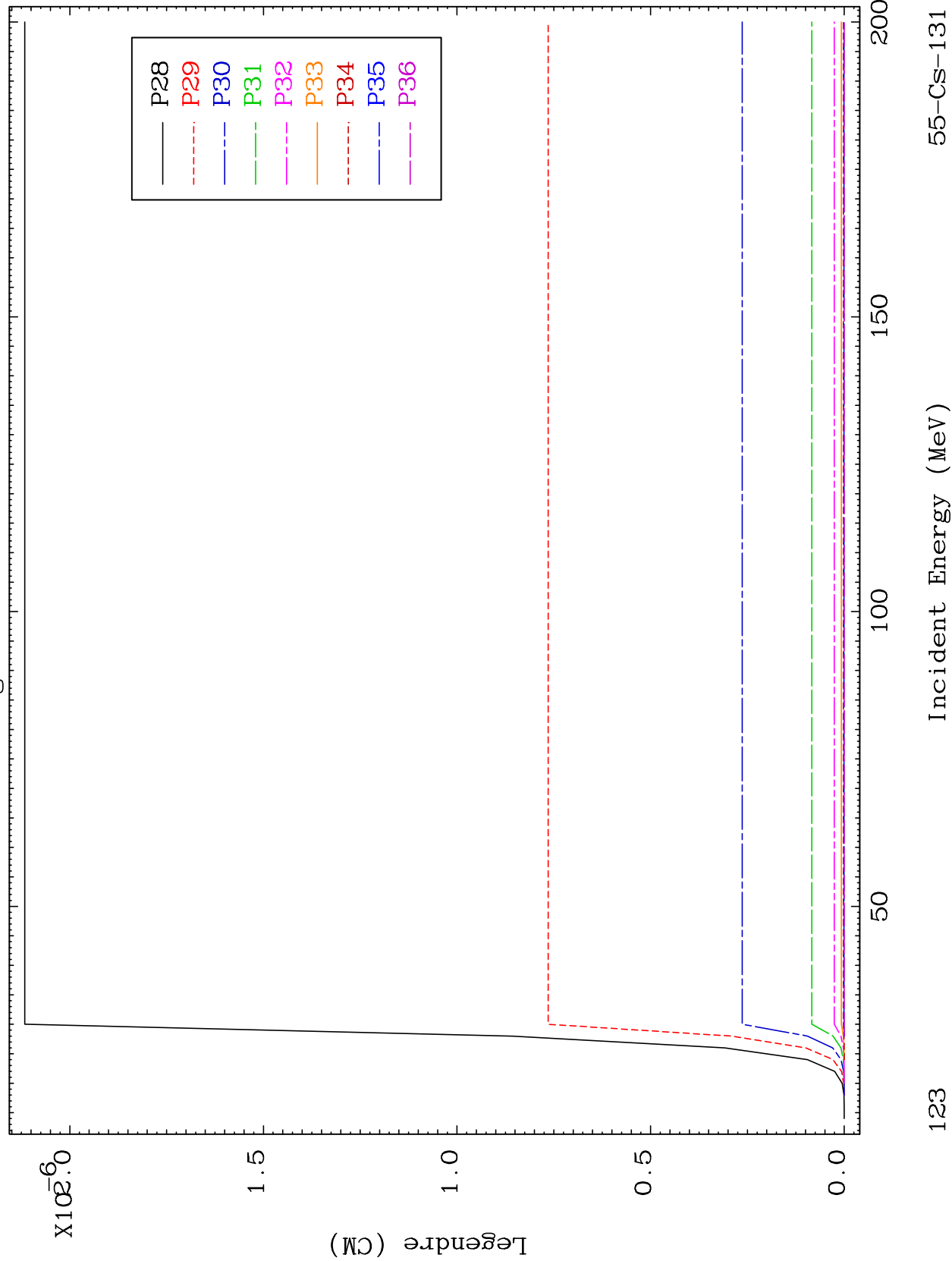
122

55-Cs-131

MAT 5519

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

55-Cs-131



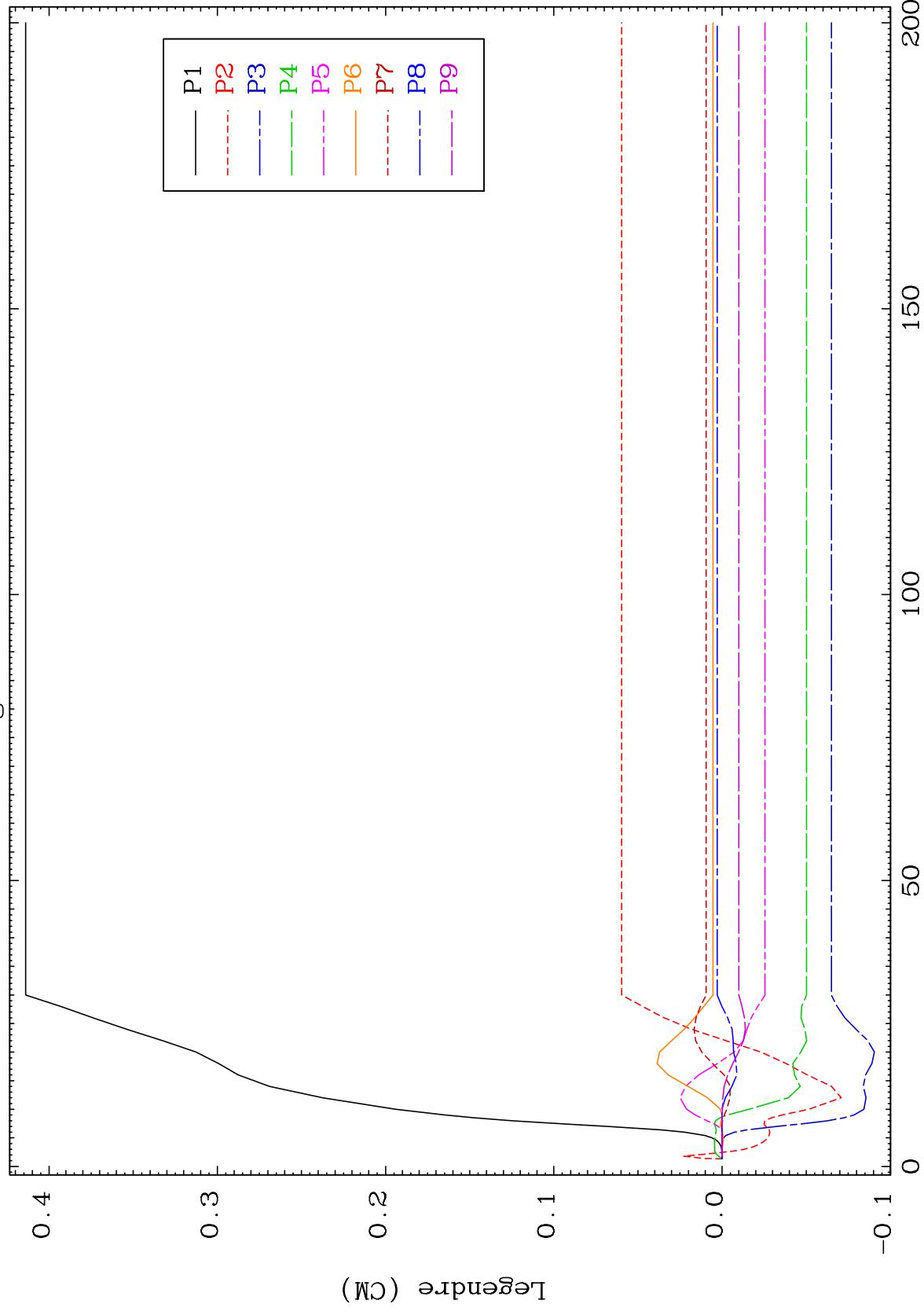
123

55-Cs-131

MAT 5519

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

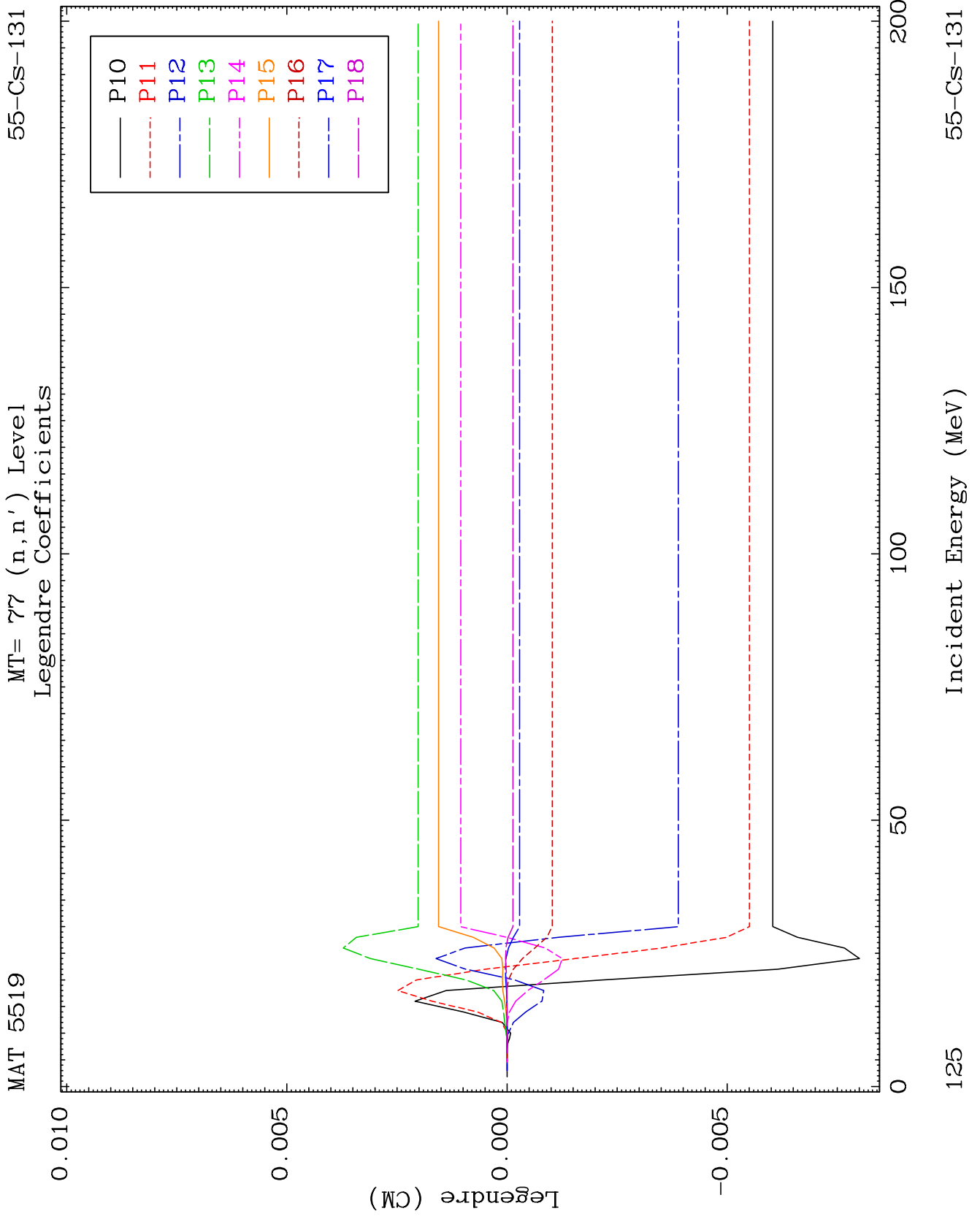
55-Cs-131



124

Incident Energy (MeV)

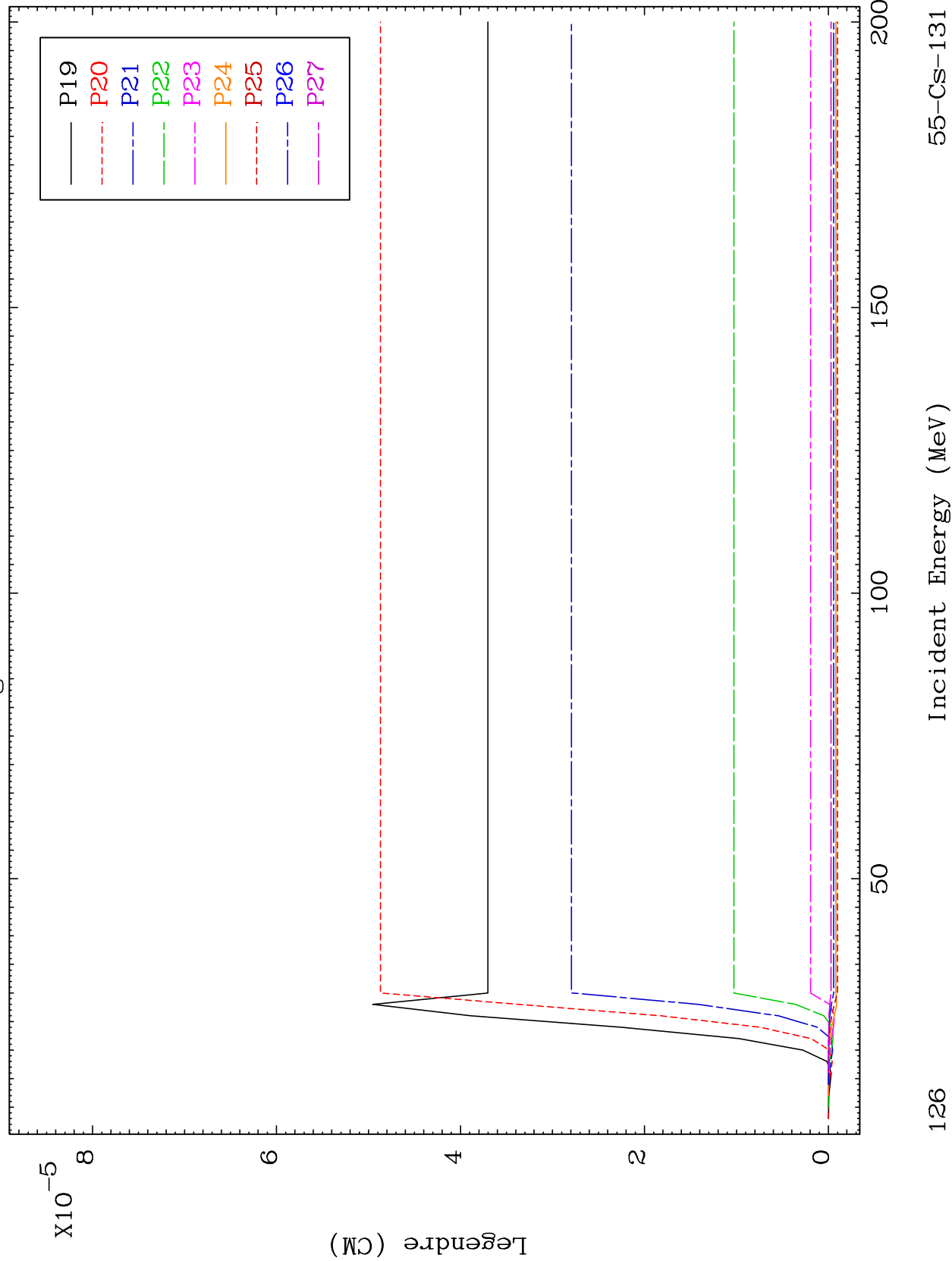
55-Cs-131



MAT 5519

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

55-Cs-131



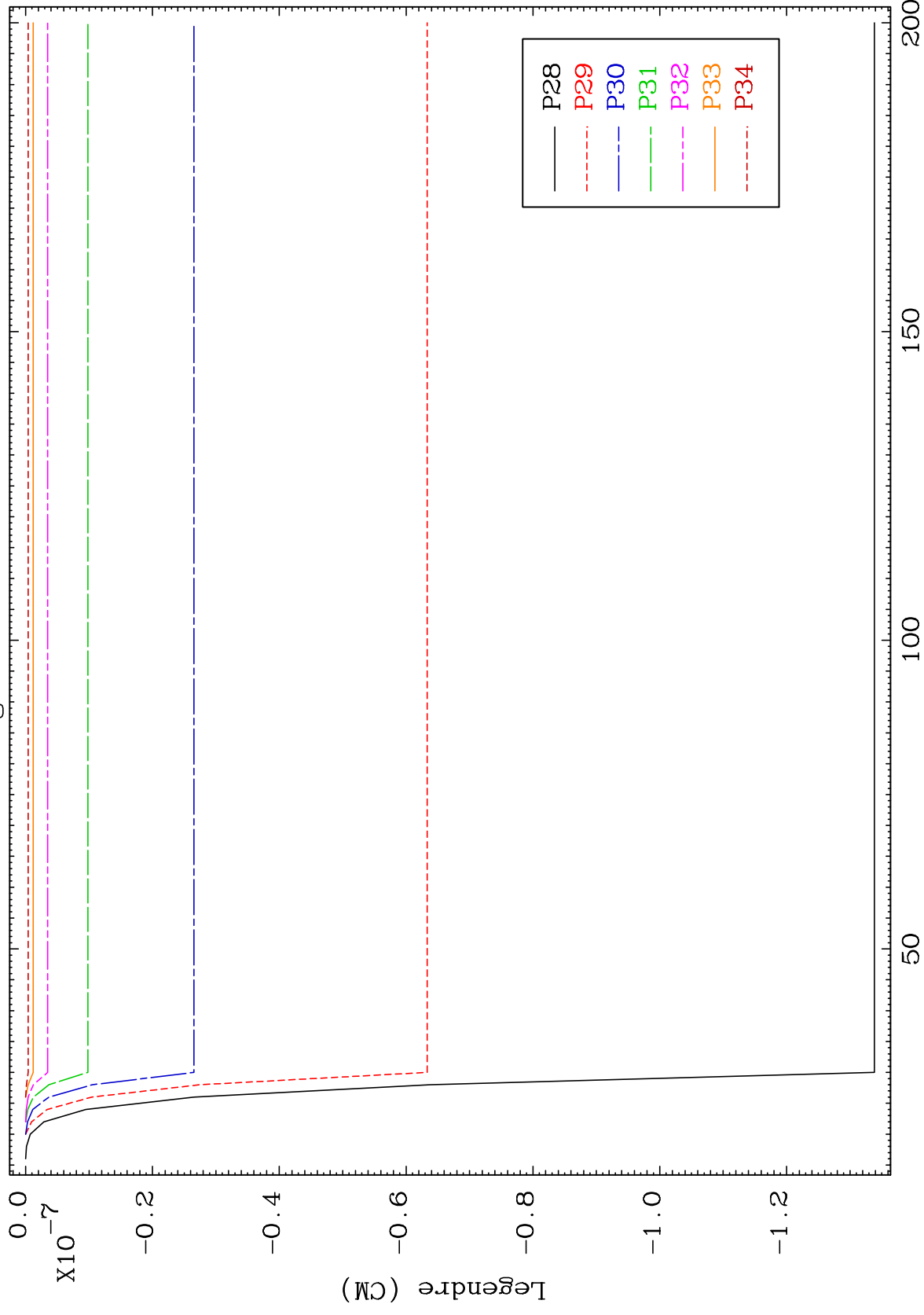
126

55-Cs-131

MAT 5519

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

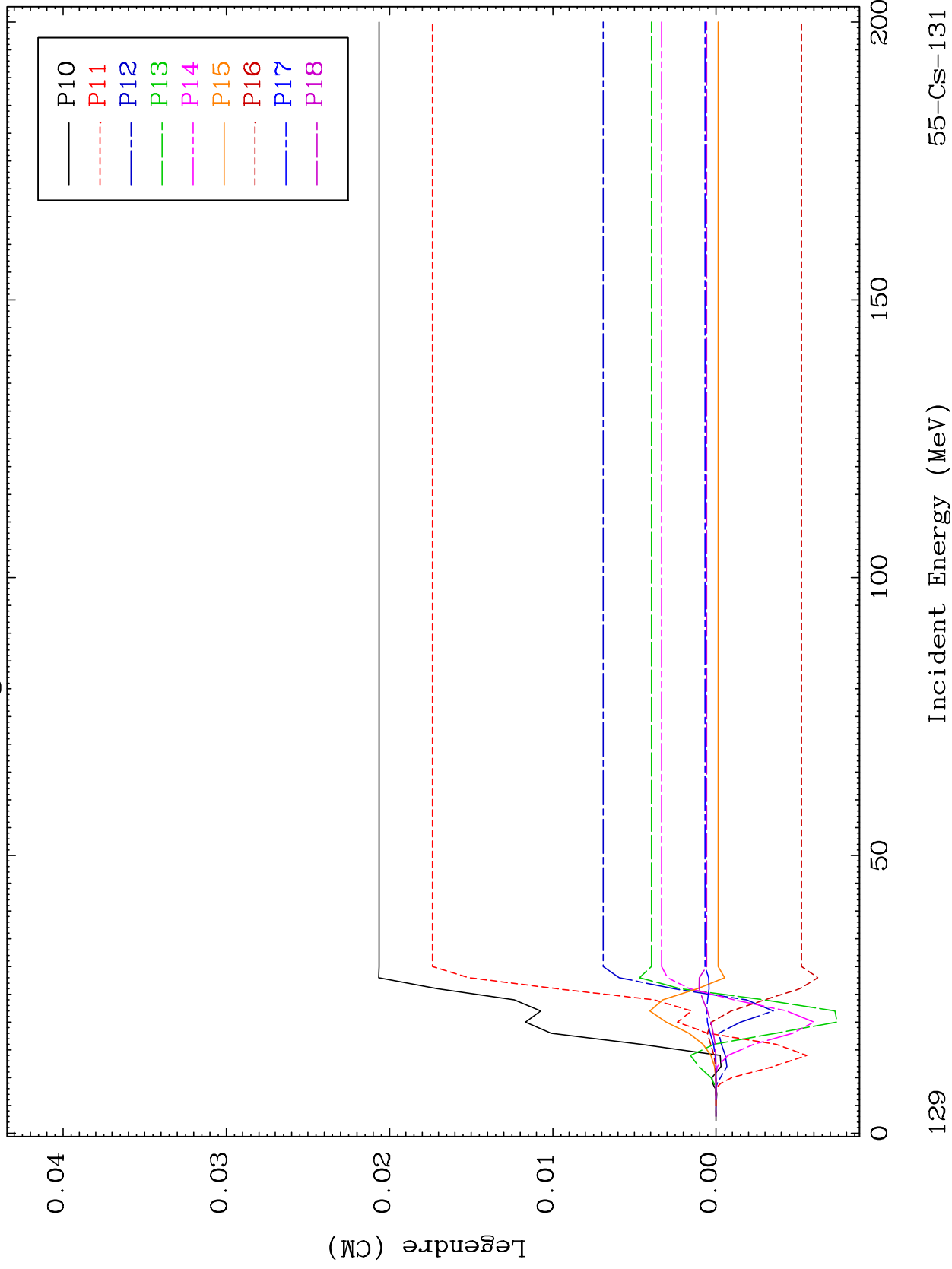
55-Cs-131



MAT 5519

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

55-Cs-131



129

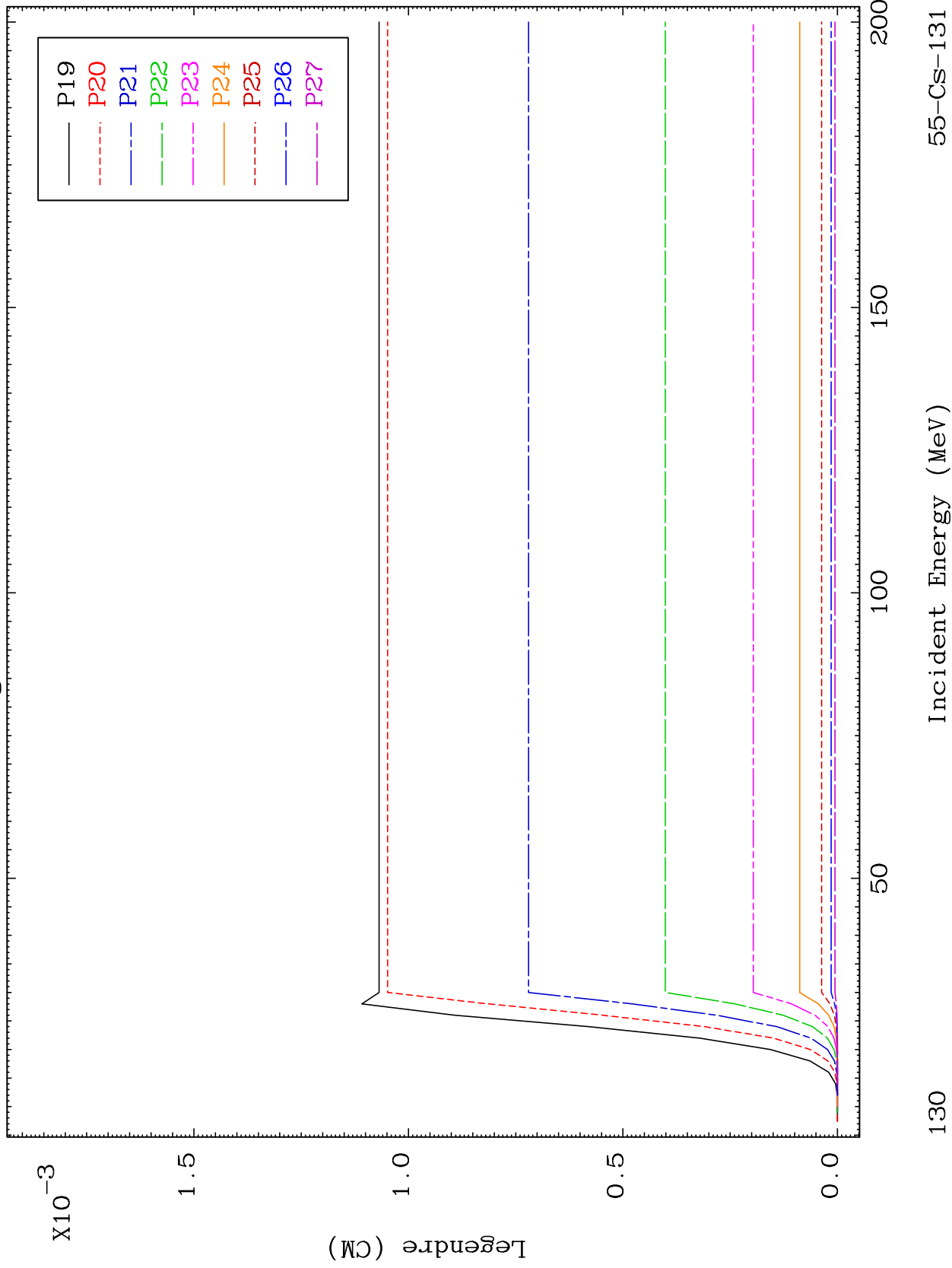
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

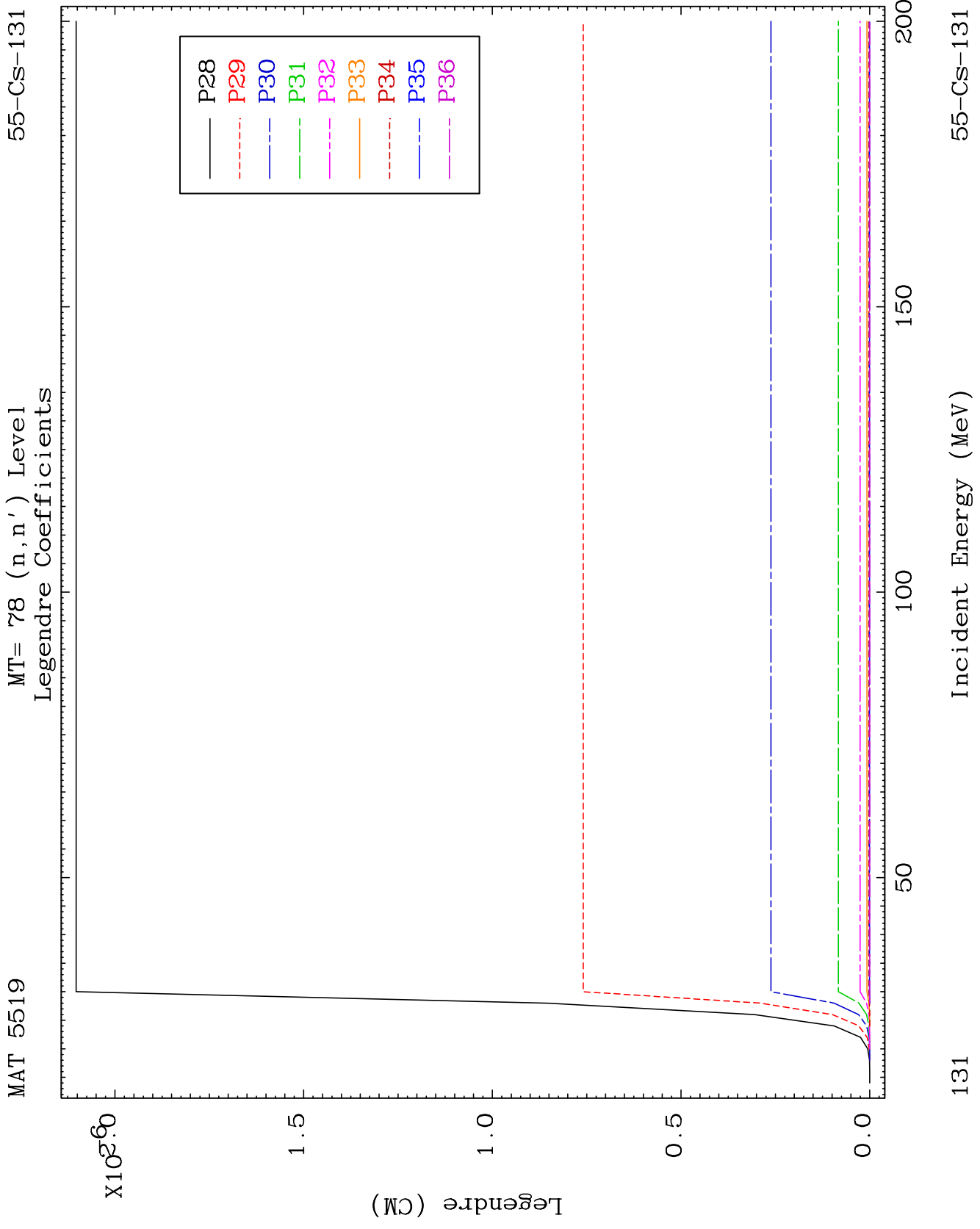
55-Cs-131

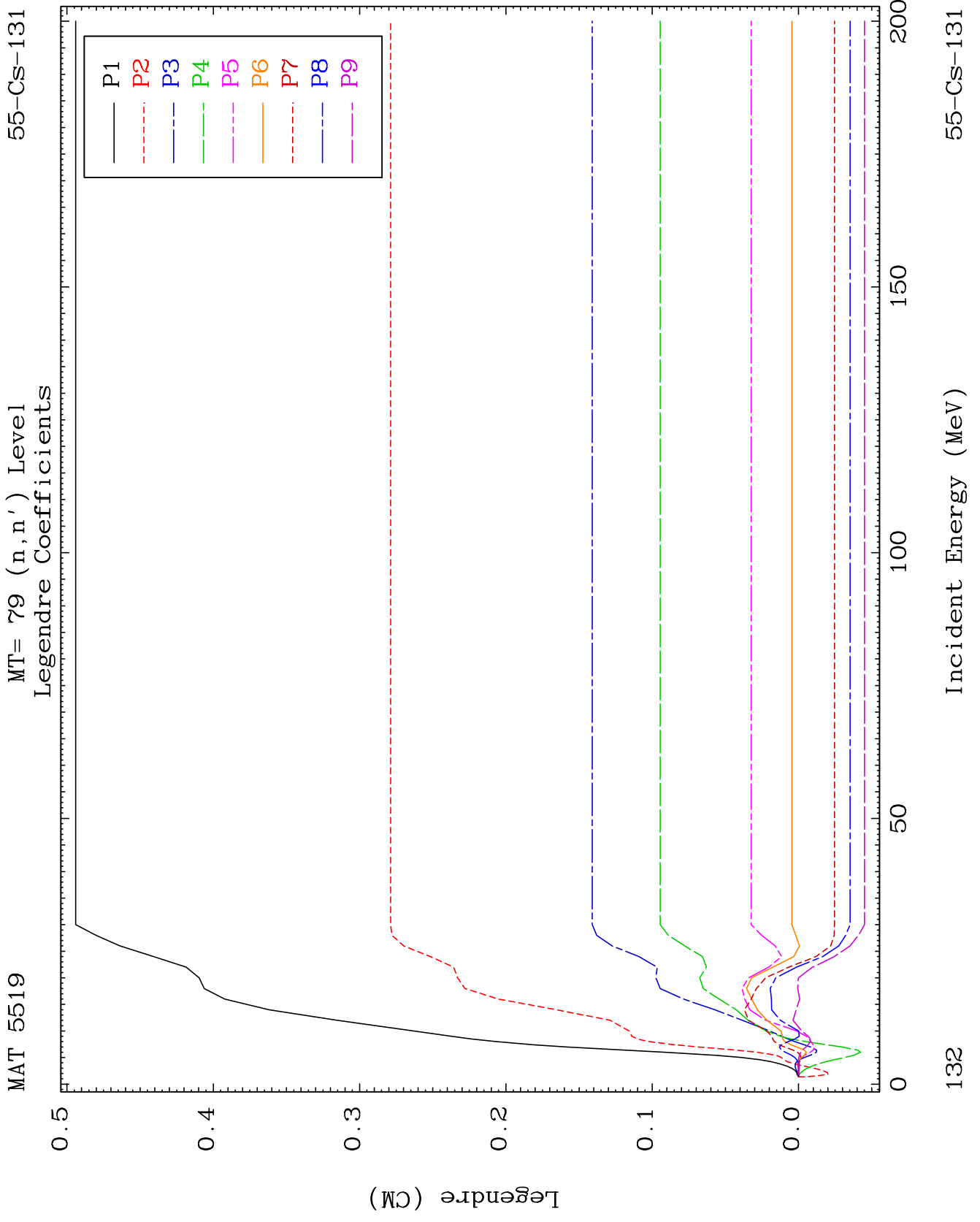


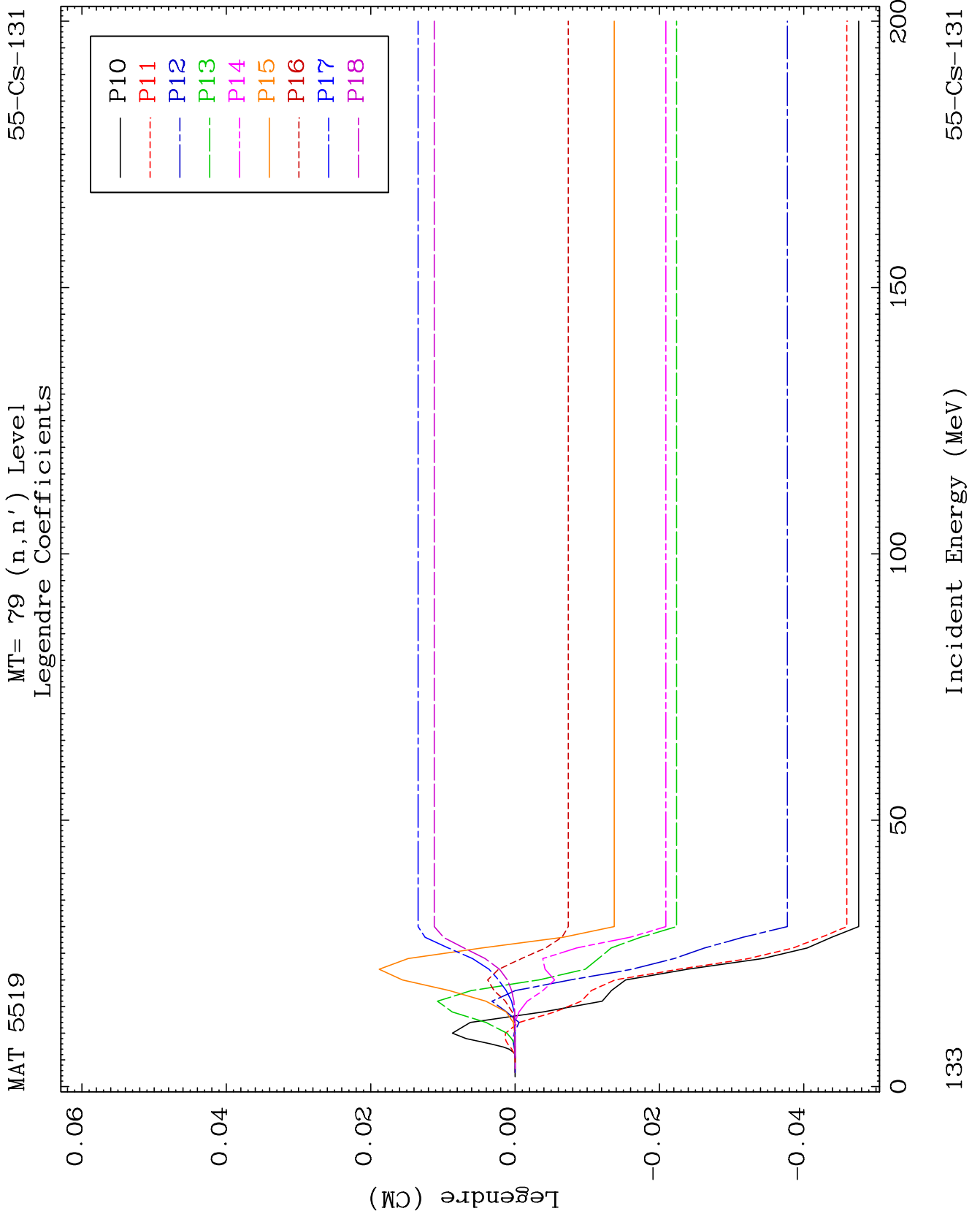
55-Cs-131

Incident Energy (MeV)

130



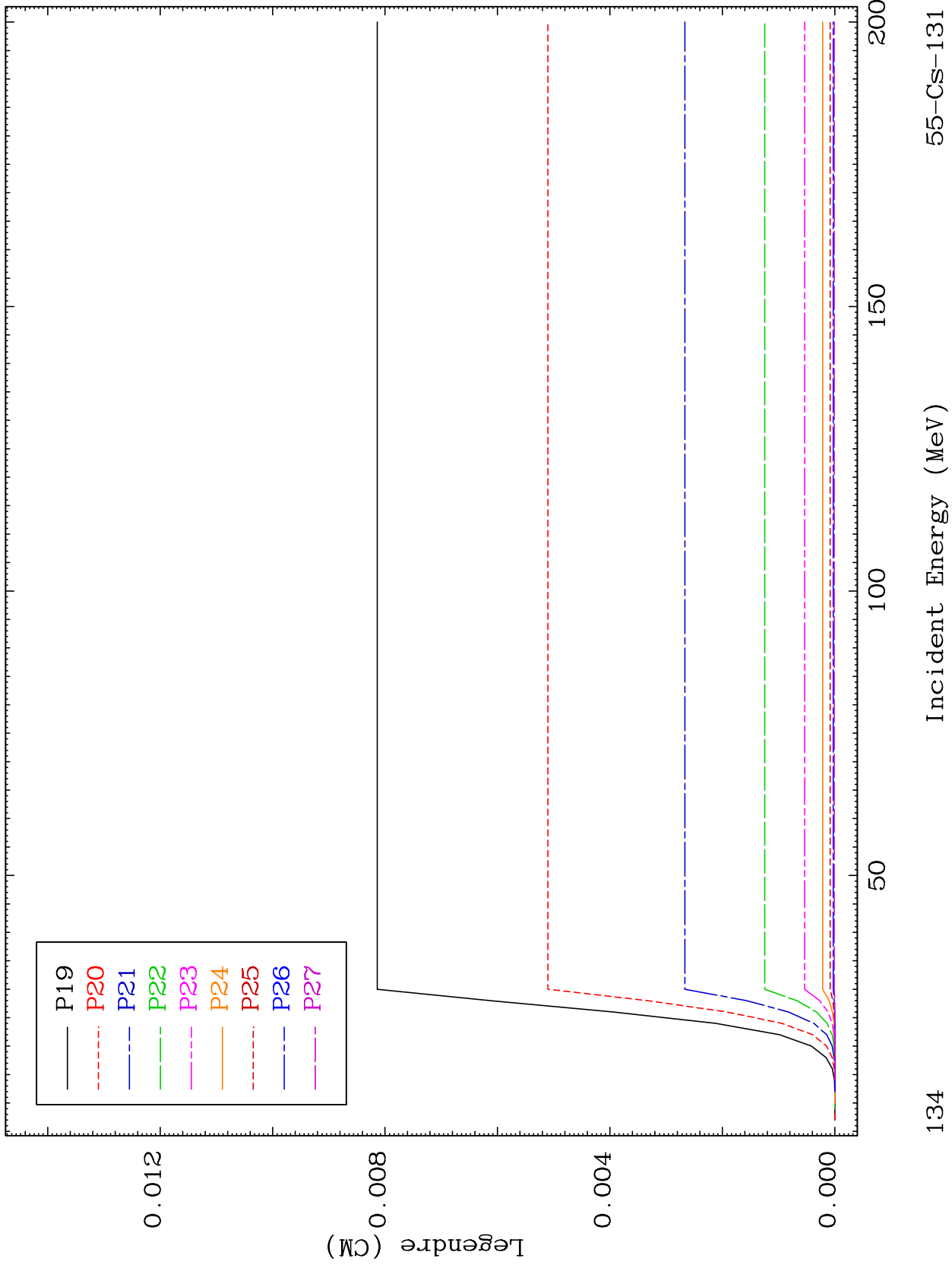




MAT 5519

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

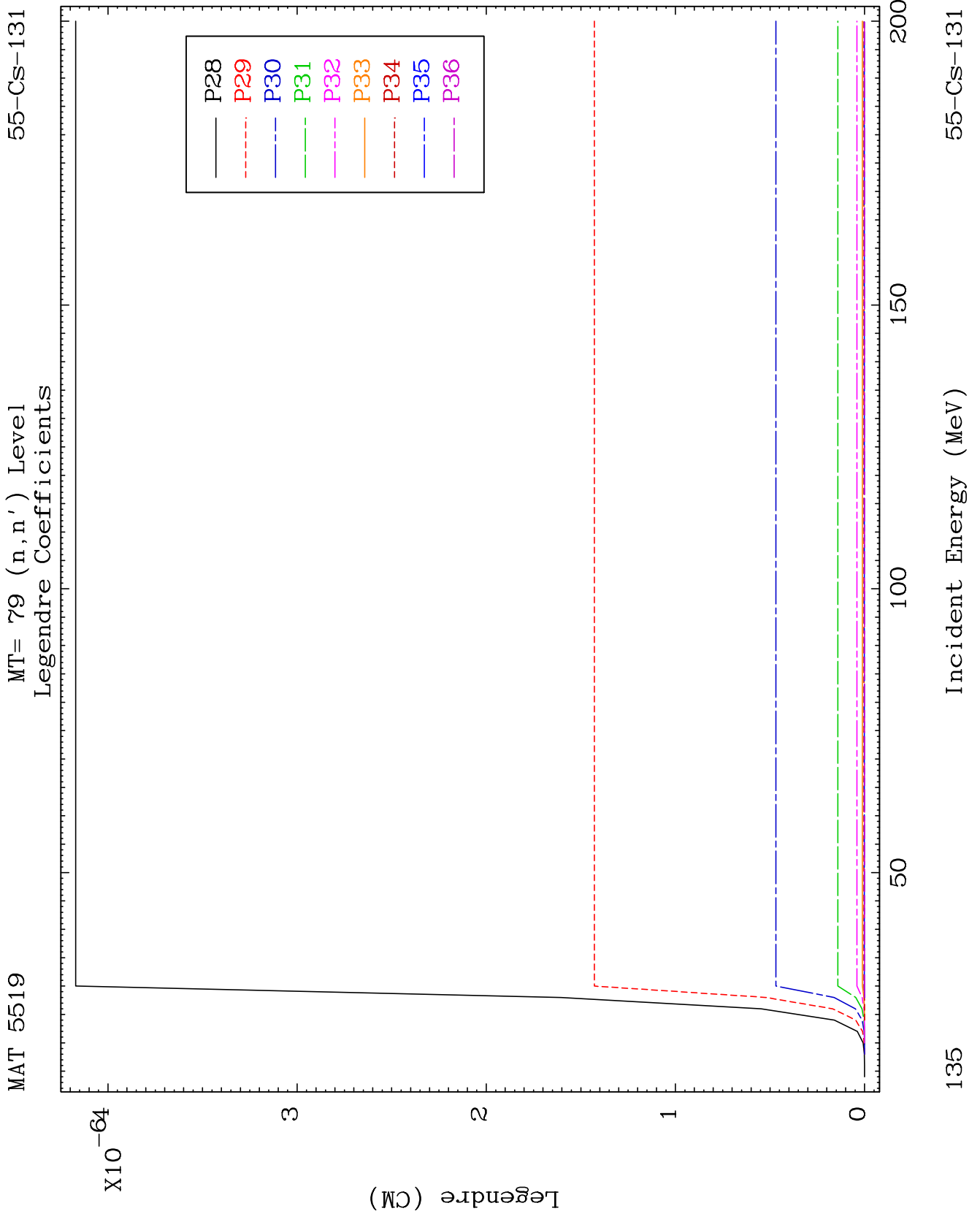
55-Cs-131

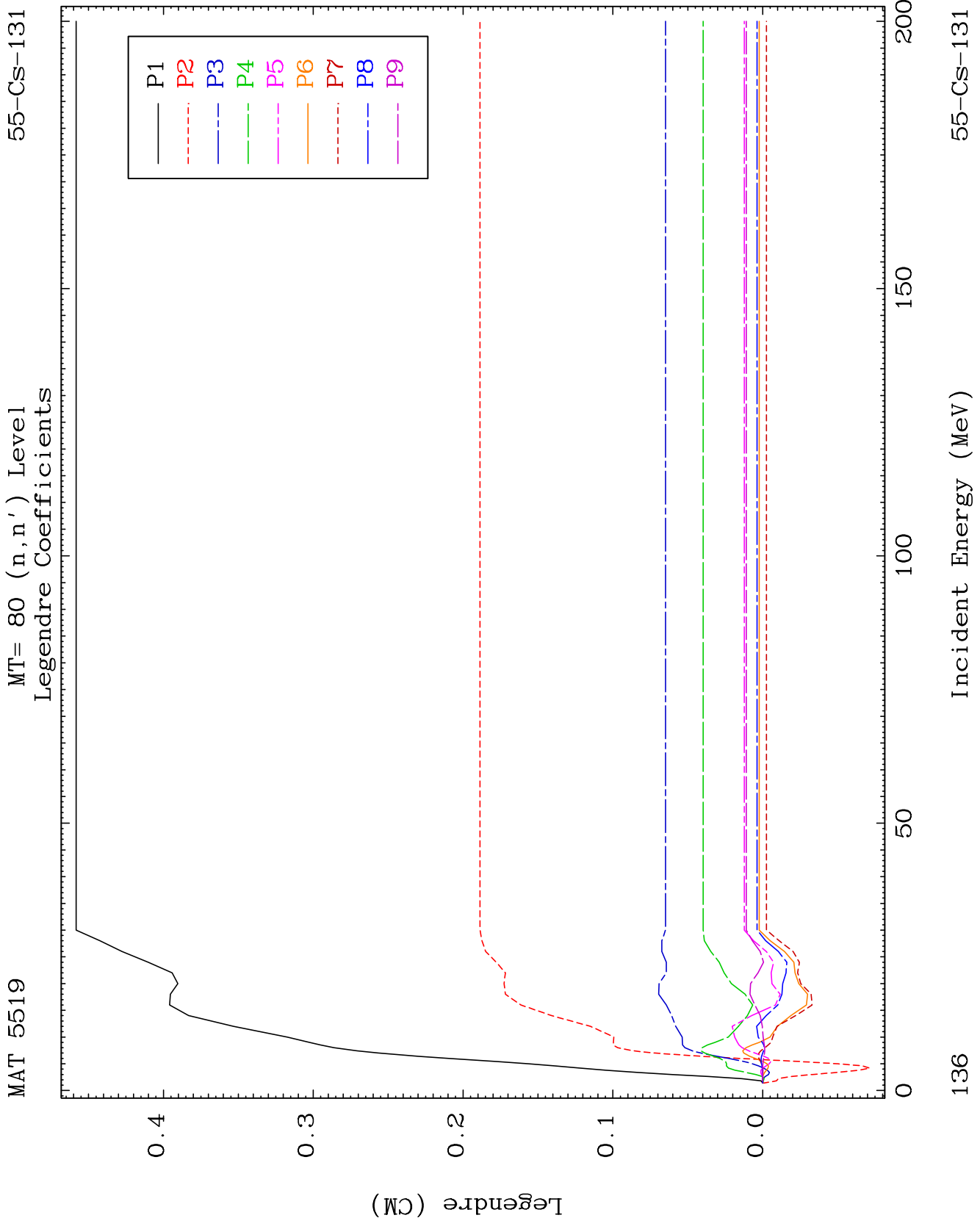


134

Incident Energy (MeV)

55-Cs-131

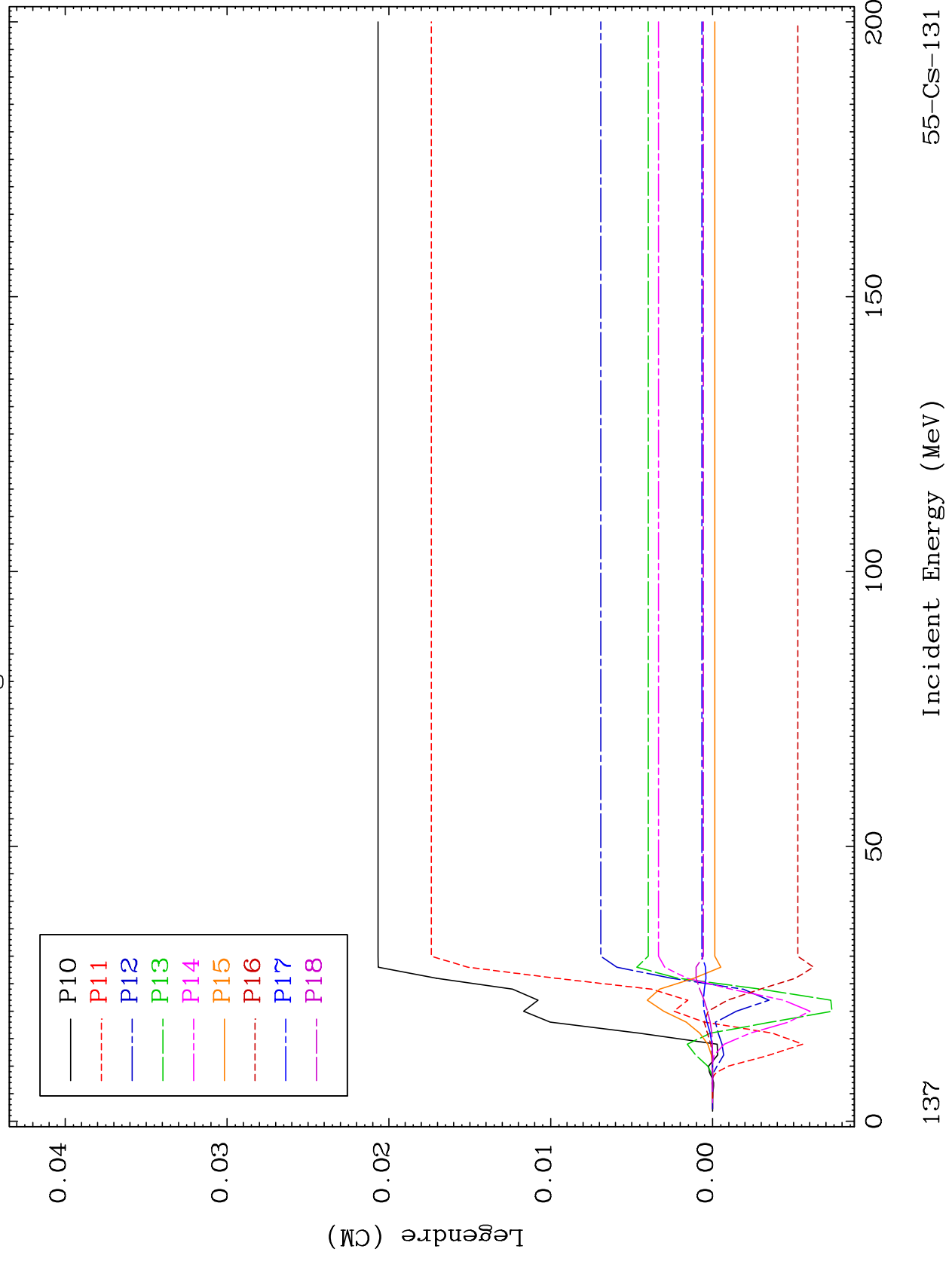




MAT 5519

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

55-Cs-131



137

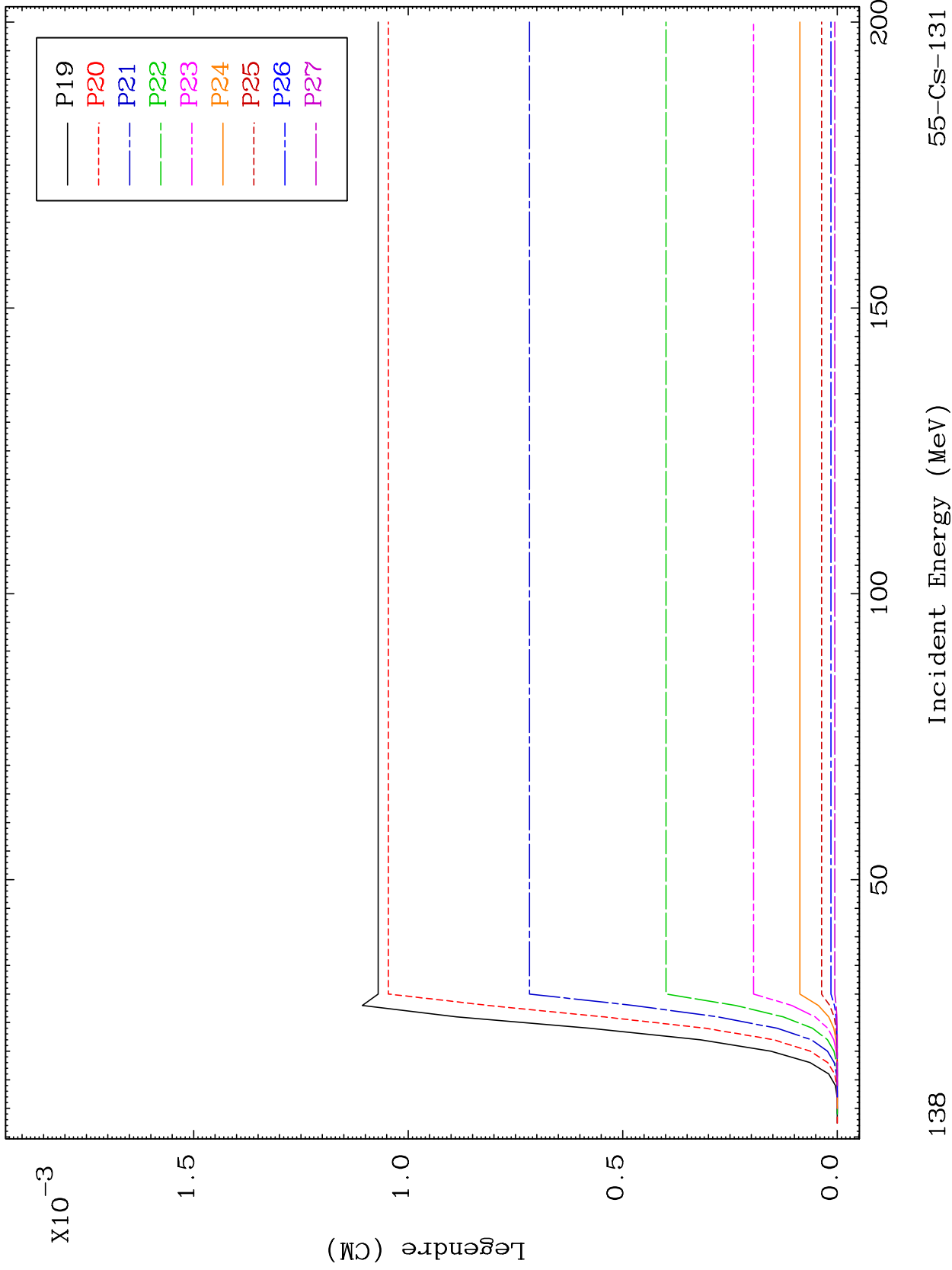
Incident Energy (MeV)

55-Cs-131

MAT 5519

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

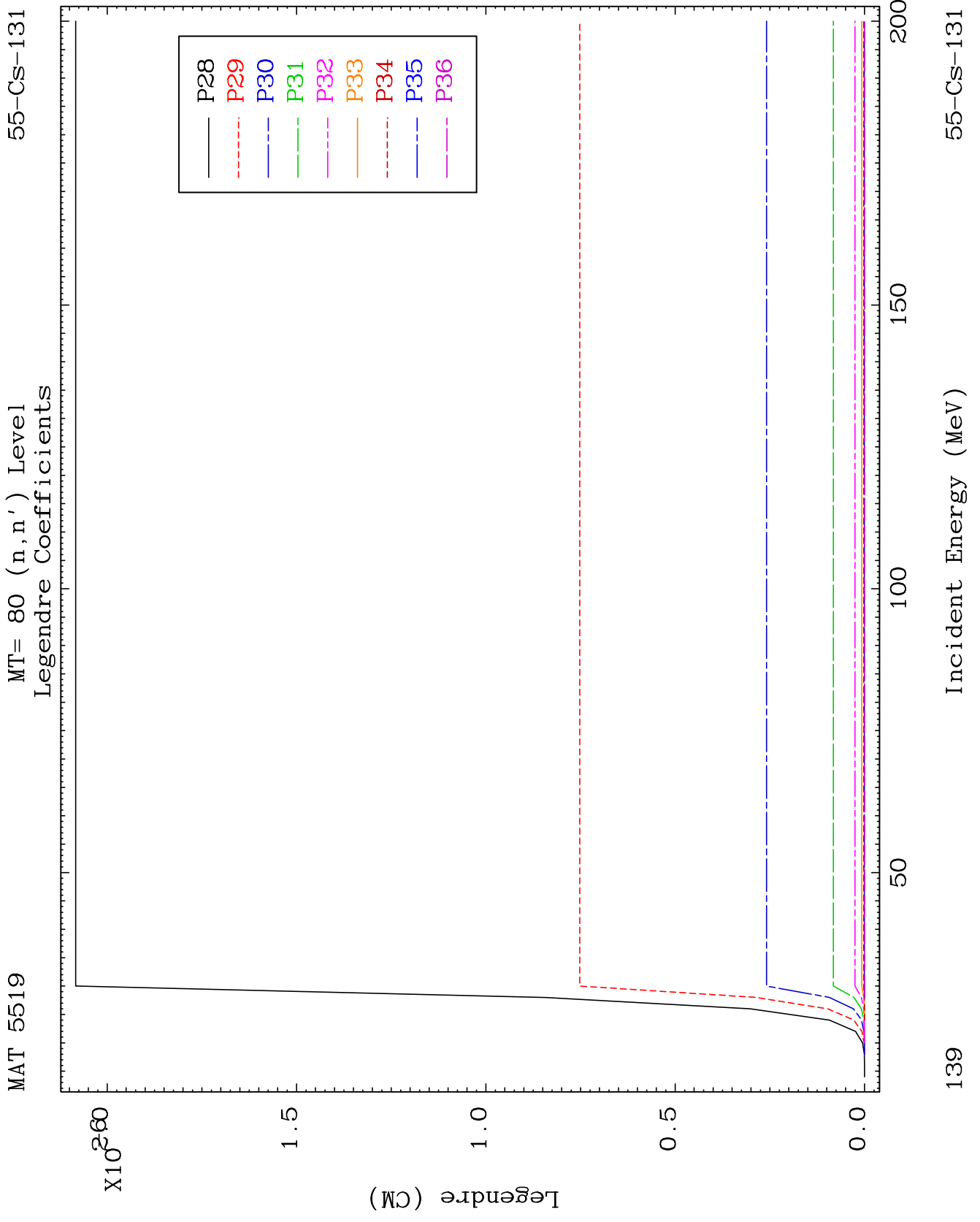
55-Cs-131

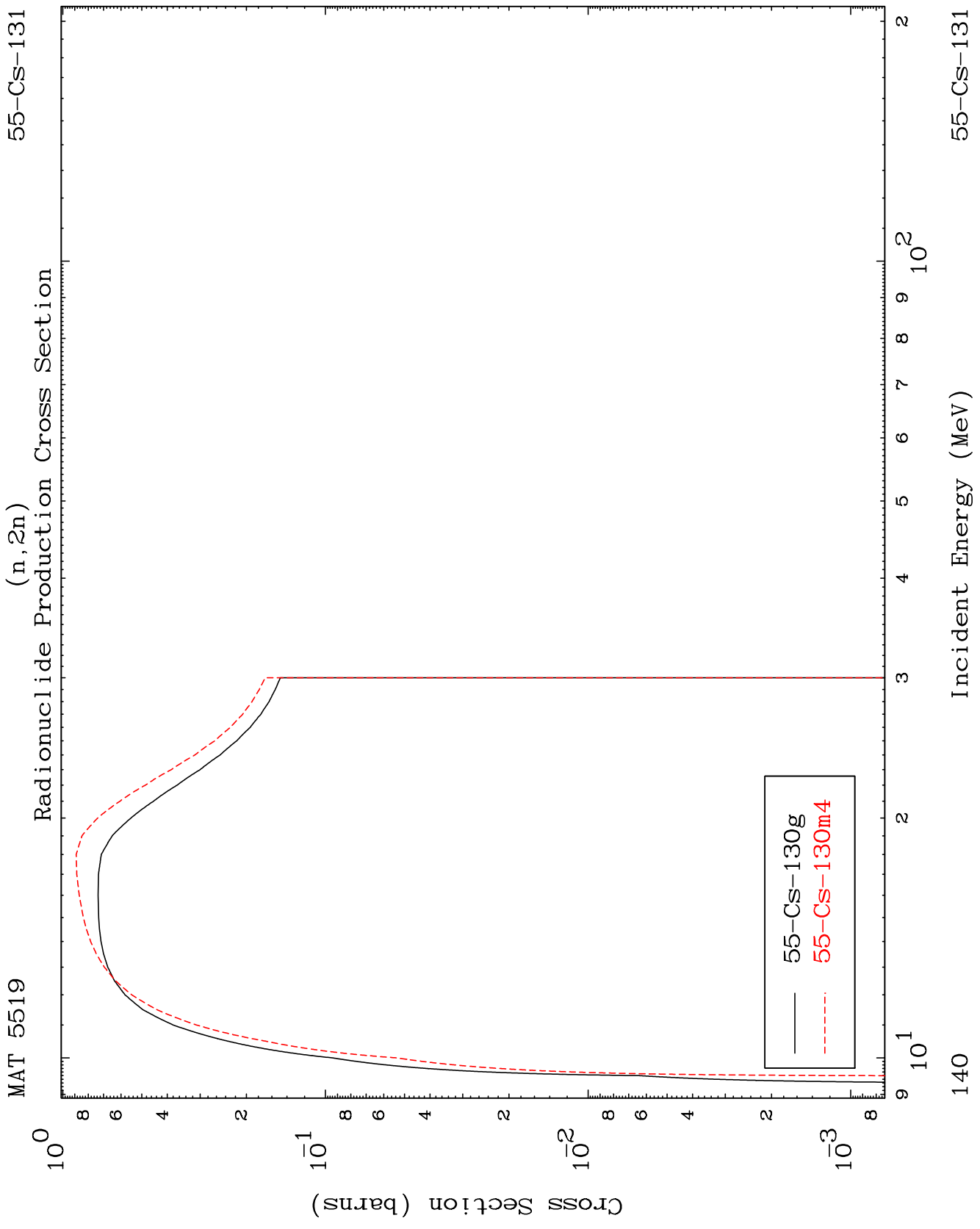


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Incident Energy (MeV)

55-Cs-131

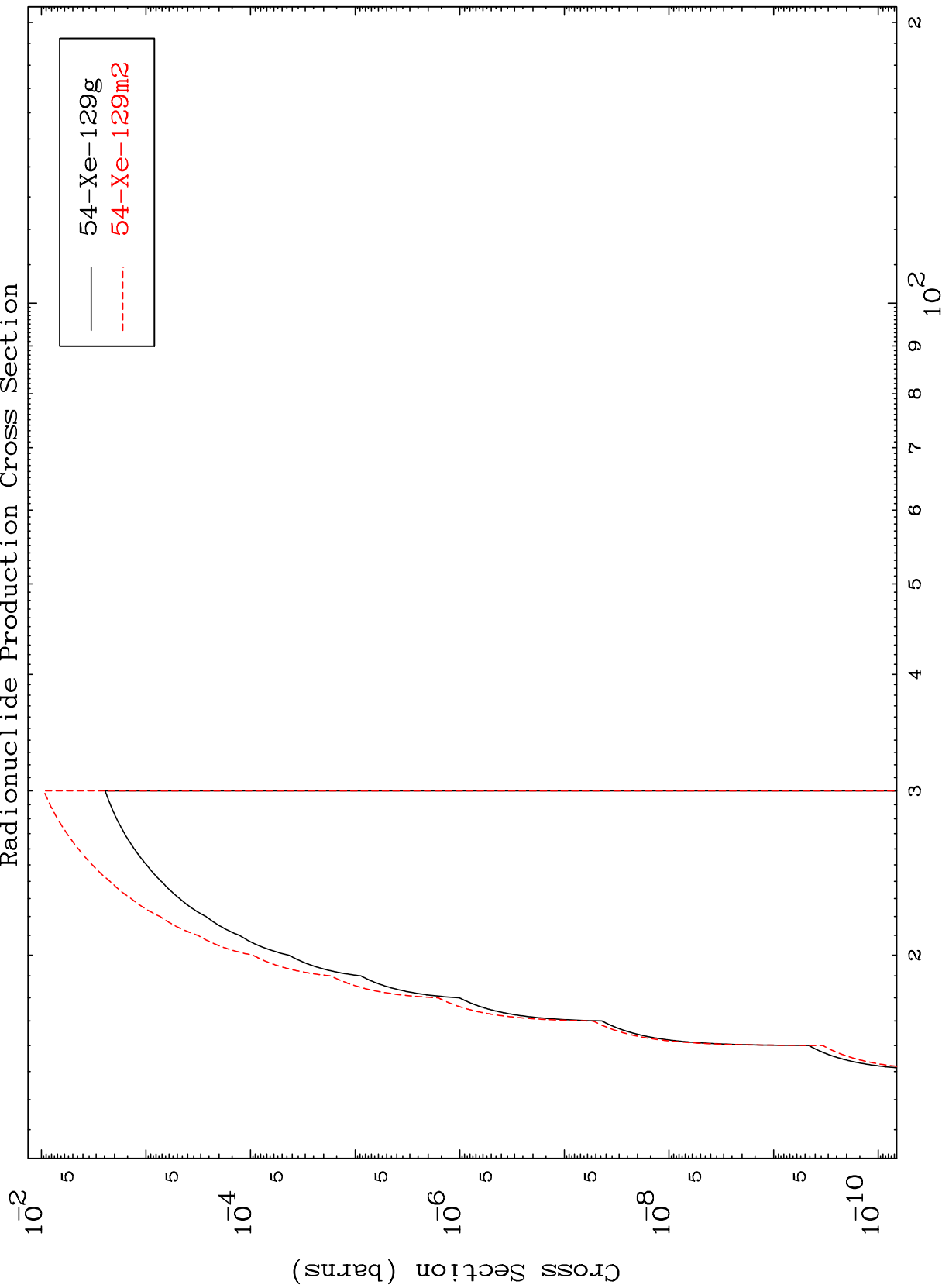




MAT 5519

55-Cs-131

(n, n') d
Radionuclide Production Cross Section



141

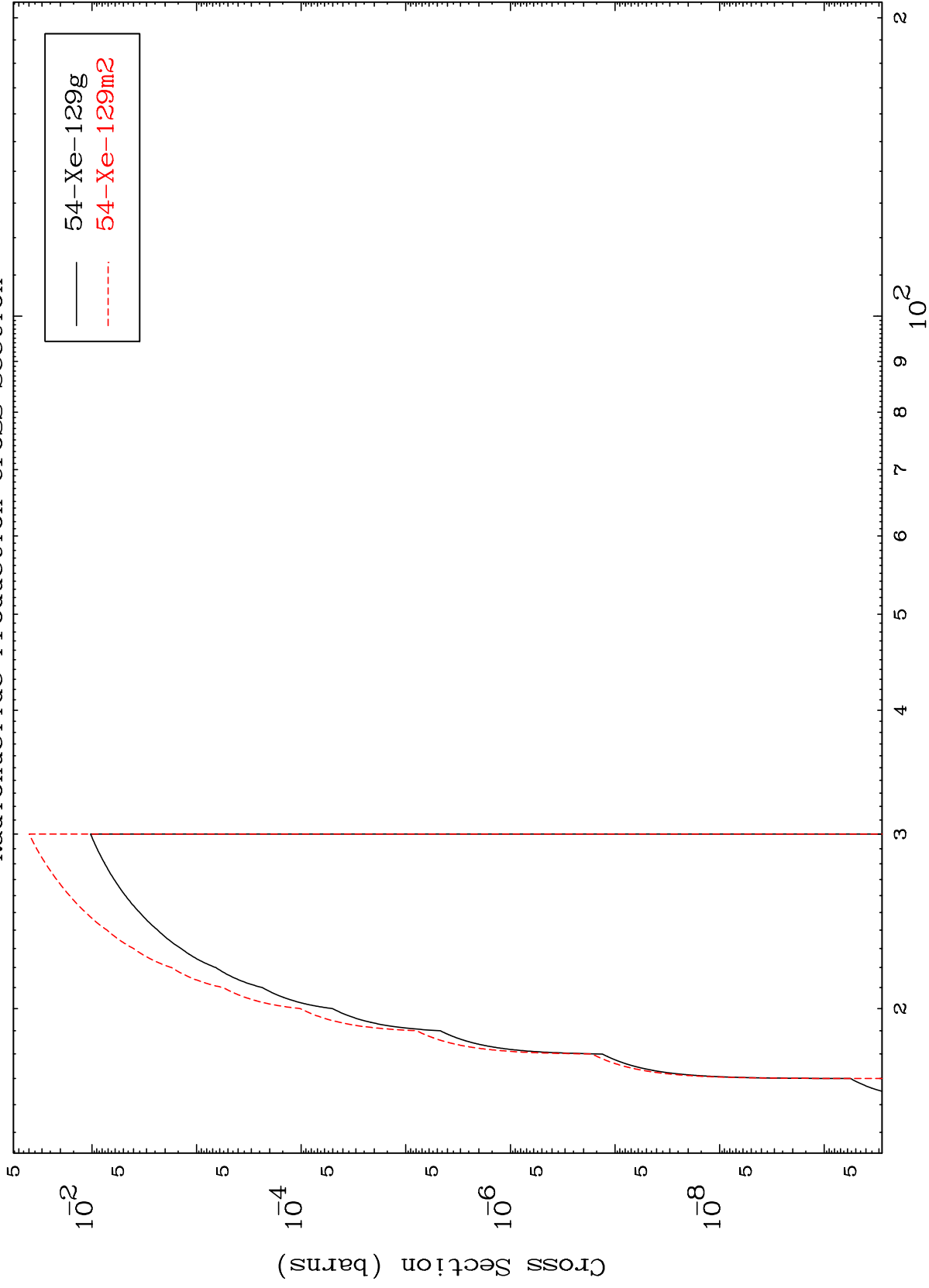
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,2n) p
Radionuclide Production Cross Section



142

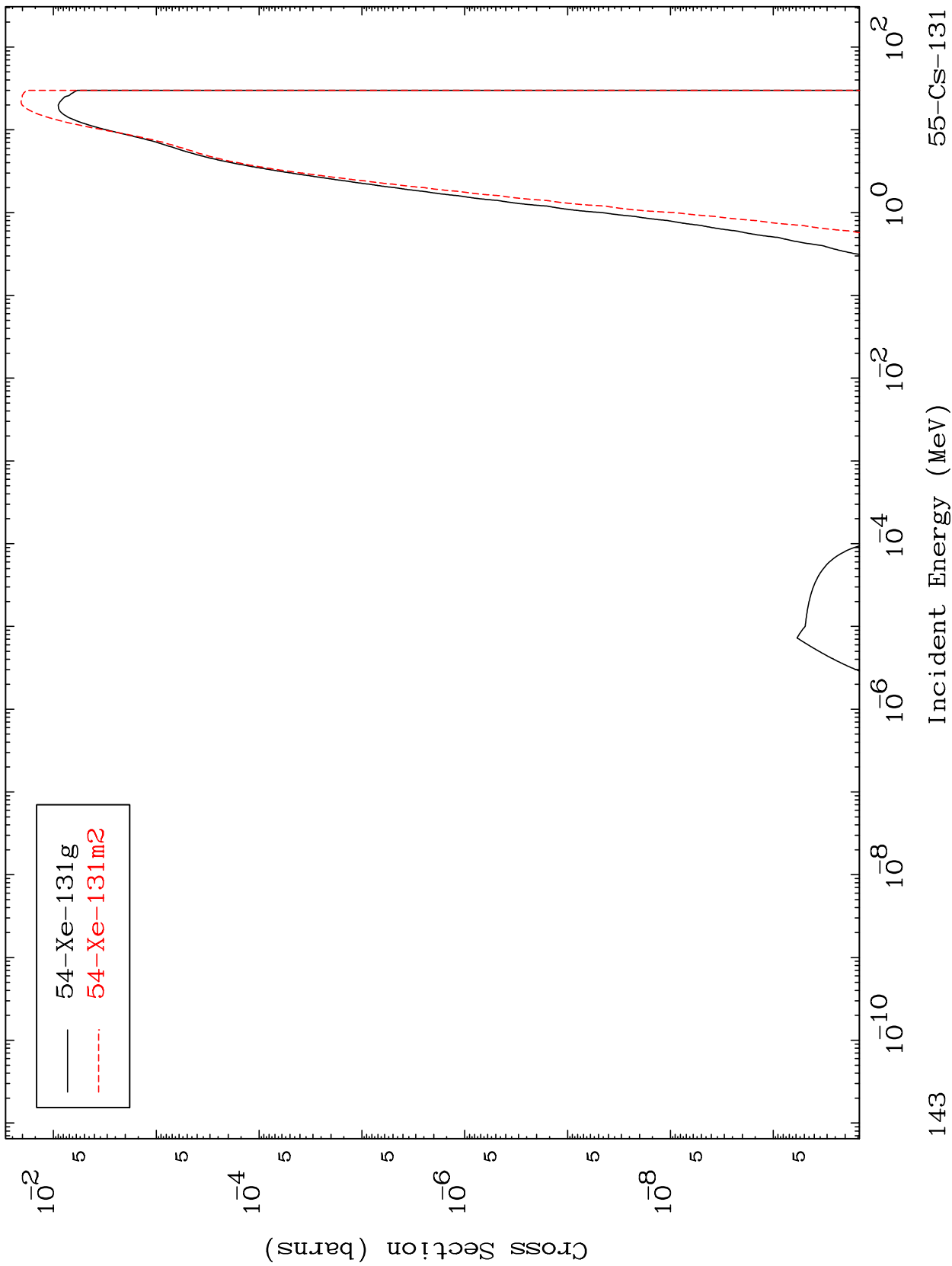
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,p)
Radionuclide Production Cross Section



54-Xe-131g
54-Xe-131m2

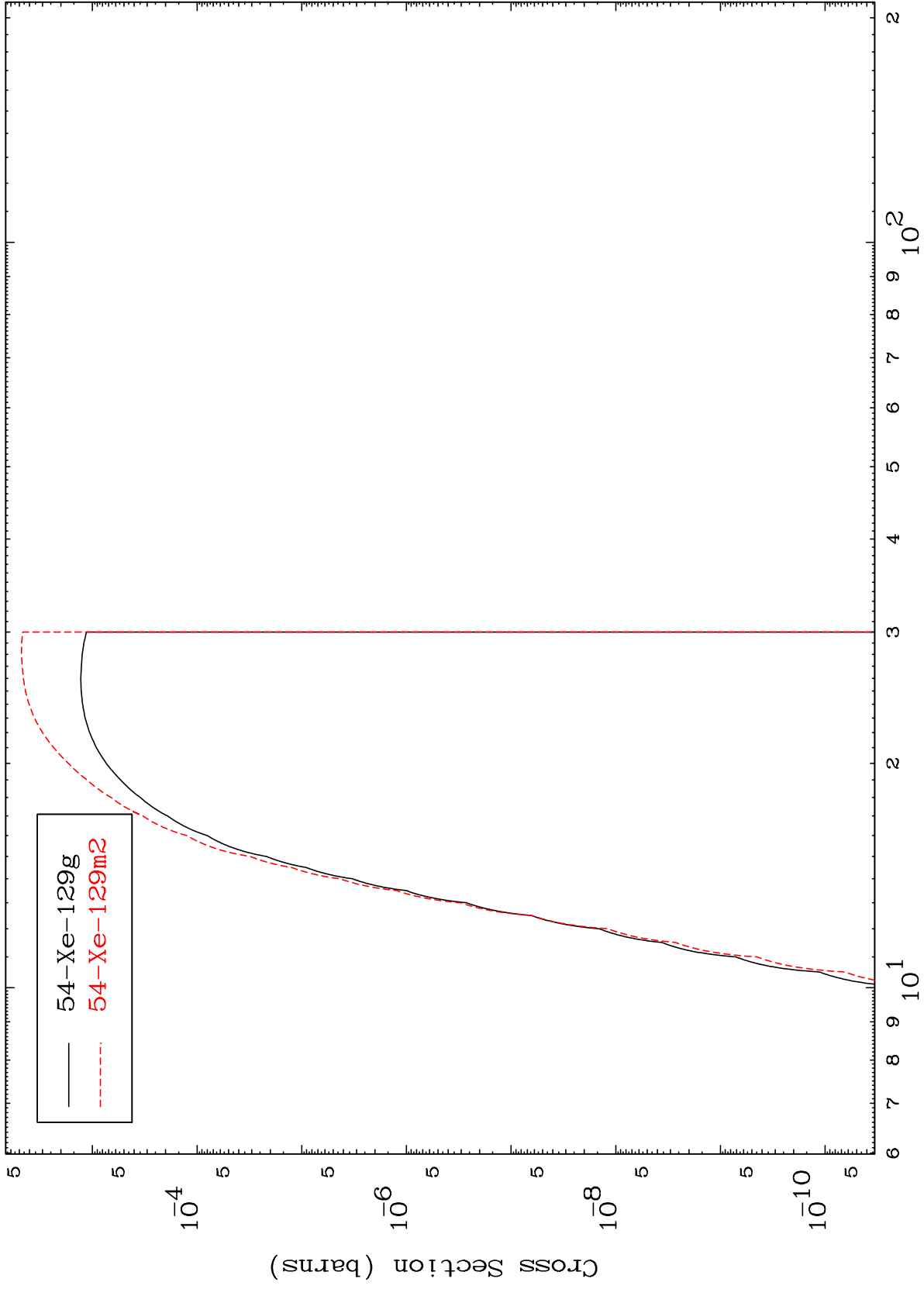
143

55-Cs-131

MAT 5519

55-Cs-131

(n,t)
Radionuclide Production Cross Section



144

Incident Energy (MeV)

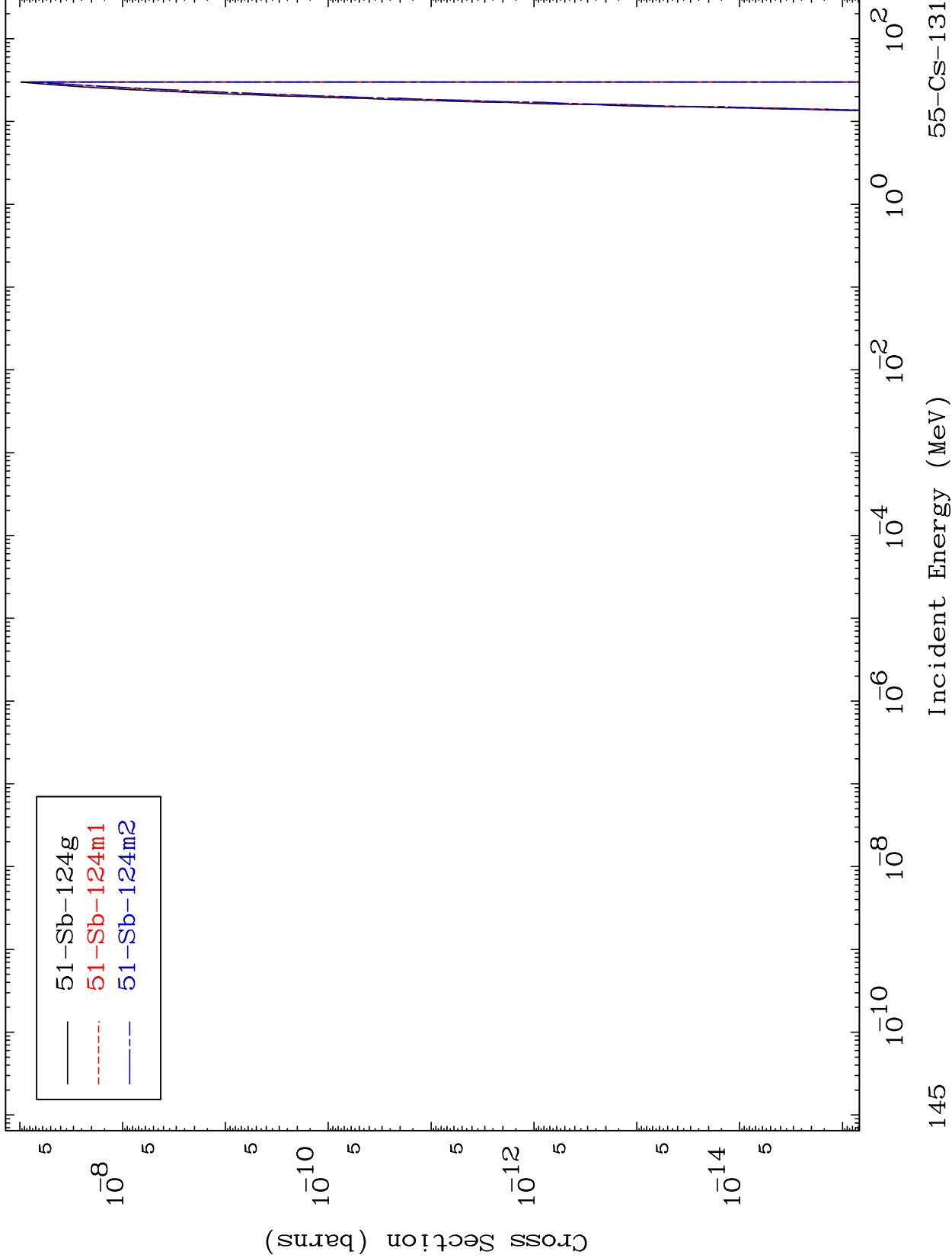
55-Cs-131

MAT 5519

(n,2α)

55-Cs-131

Radionuclide Production Cross Section



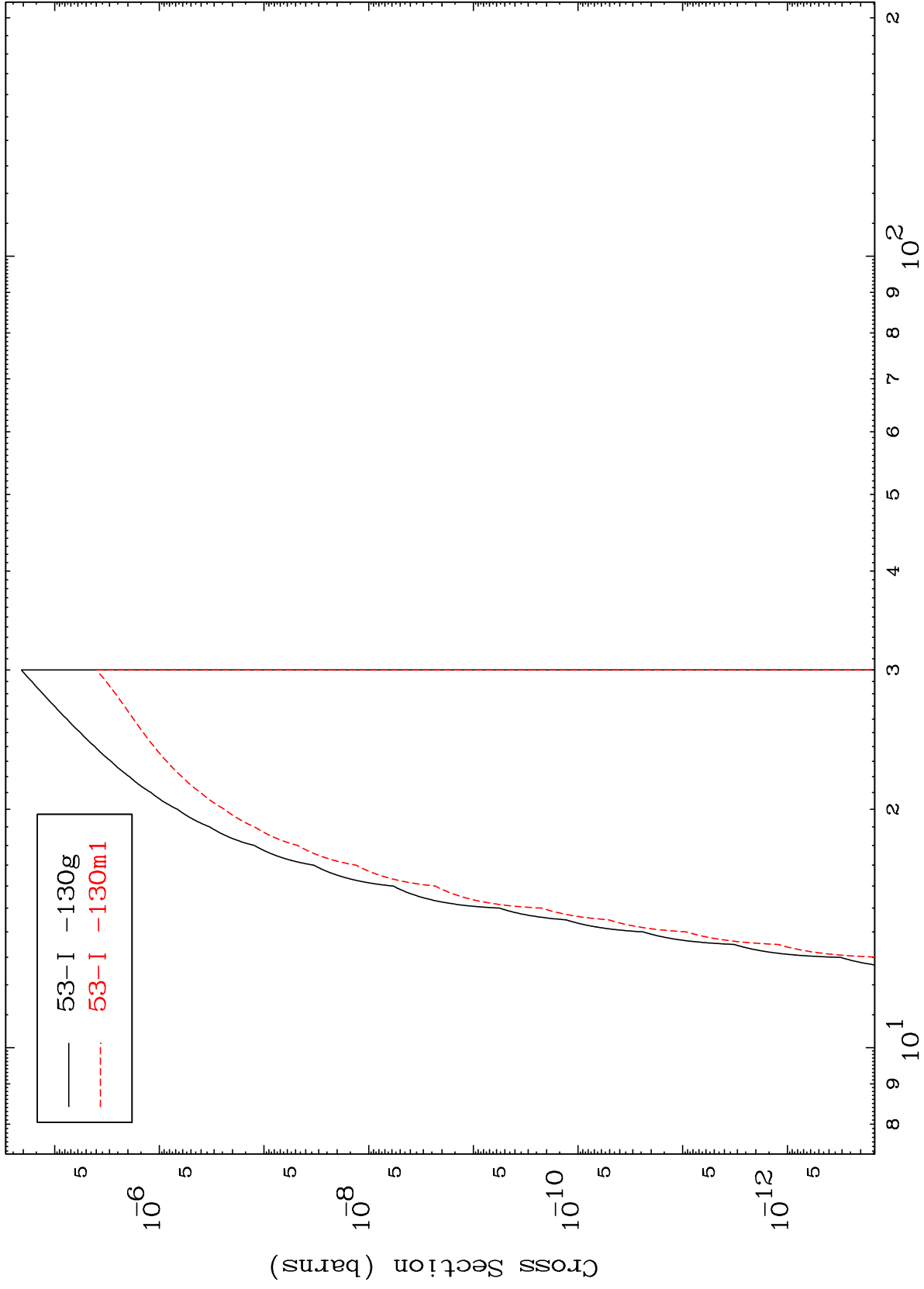
145

55-Cs-131

MAT 5519

55-Cs-131

(n,2p)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

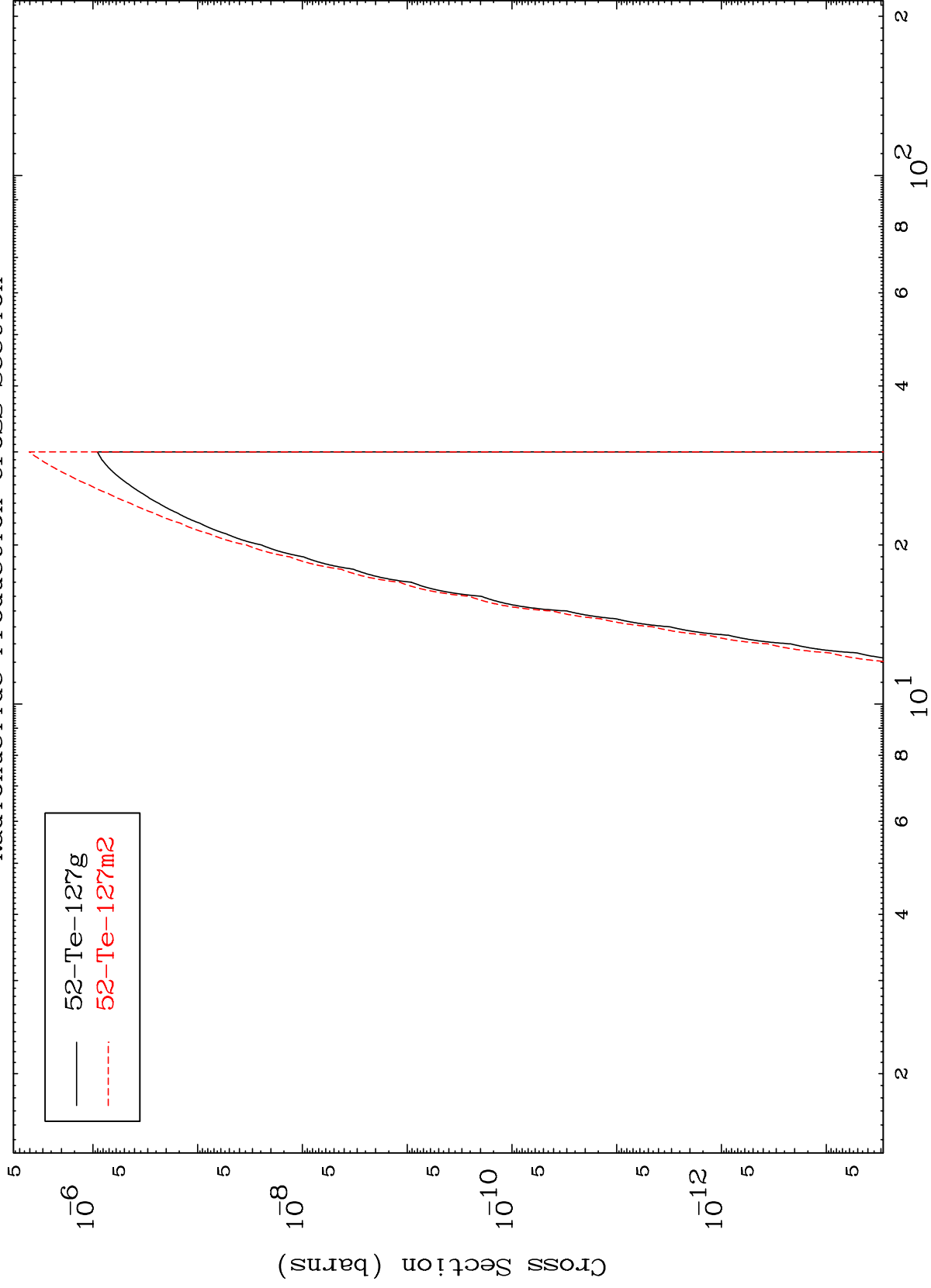
55-Cs-131

MAT 5519

(n,p) α

55-Cs-131

Radionuclide Production Cross Section



147

Incident Energy (MeV)

55-Cs-131