

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

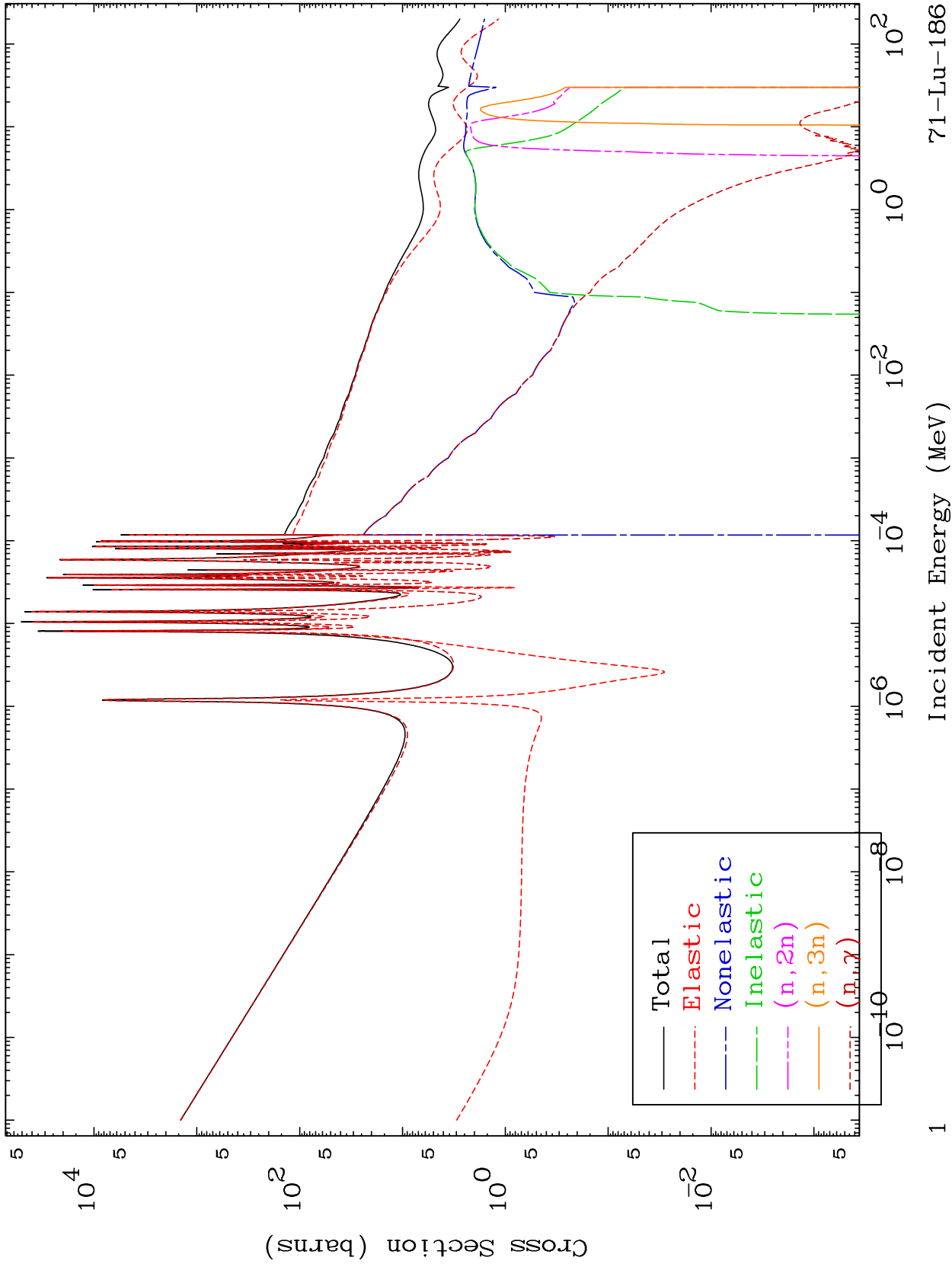
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

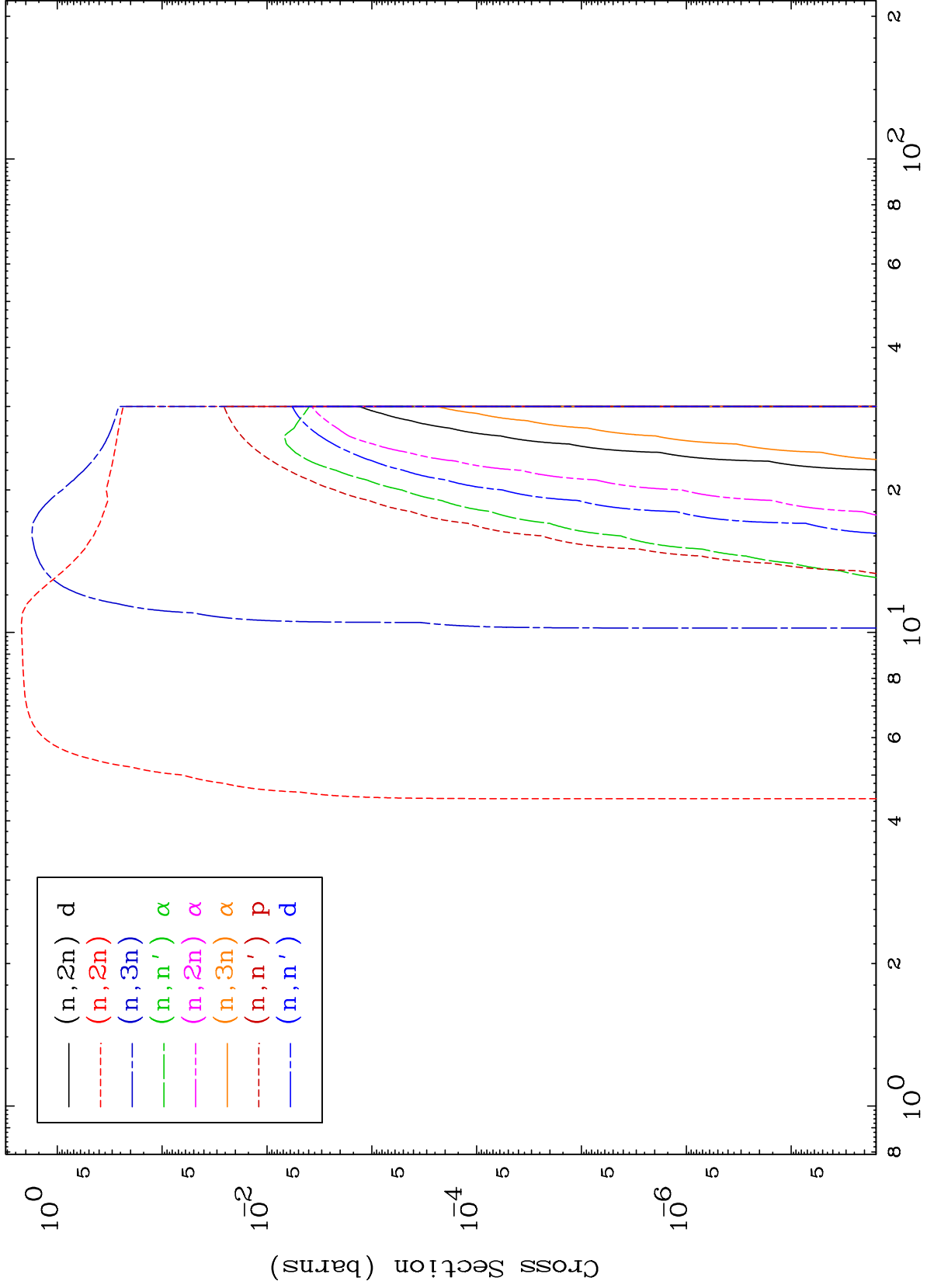
MAT 7158

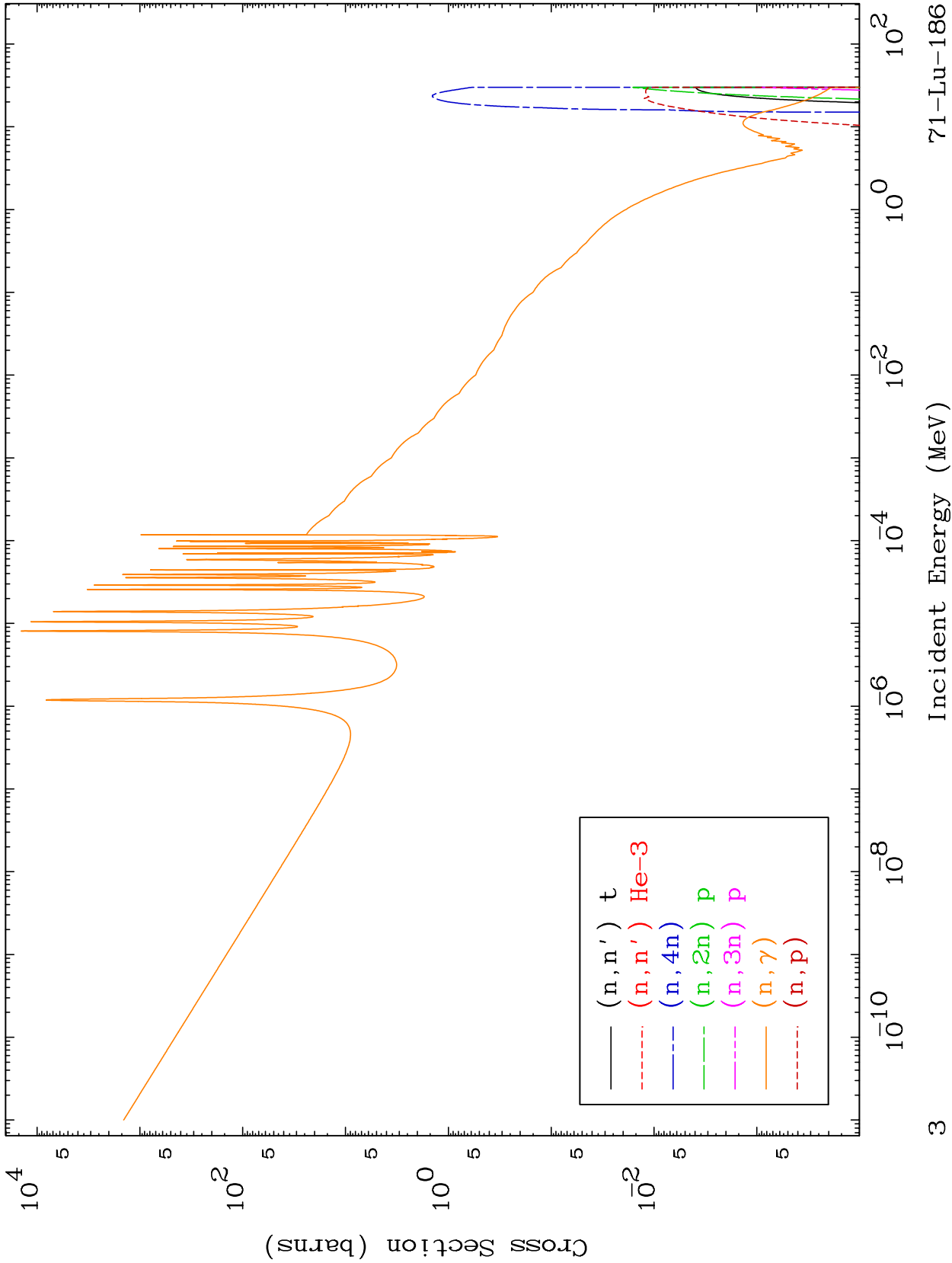
Neutron Major
293 Kelvin Cross Sections

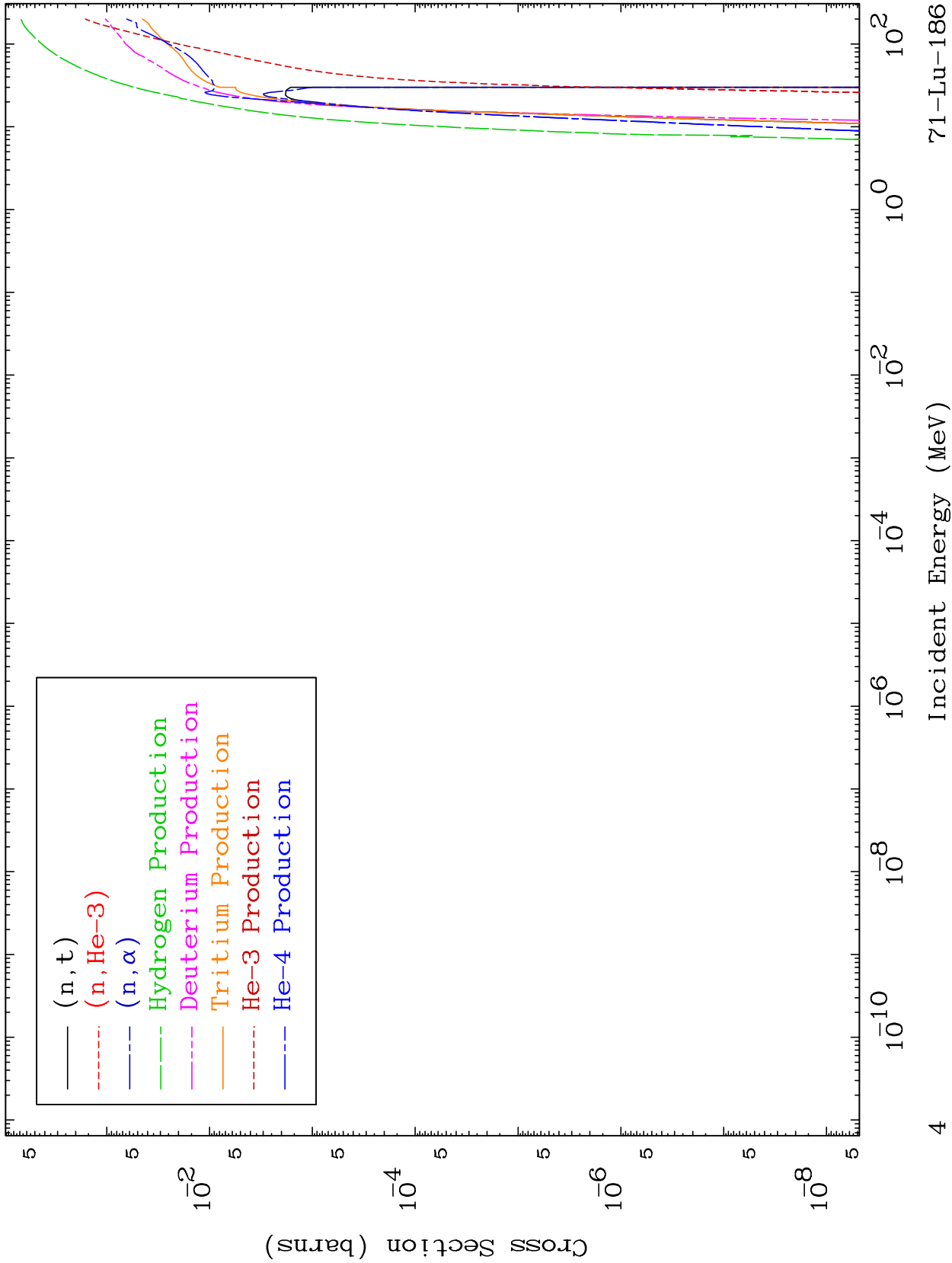
71-Lu-186



1



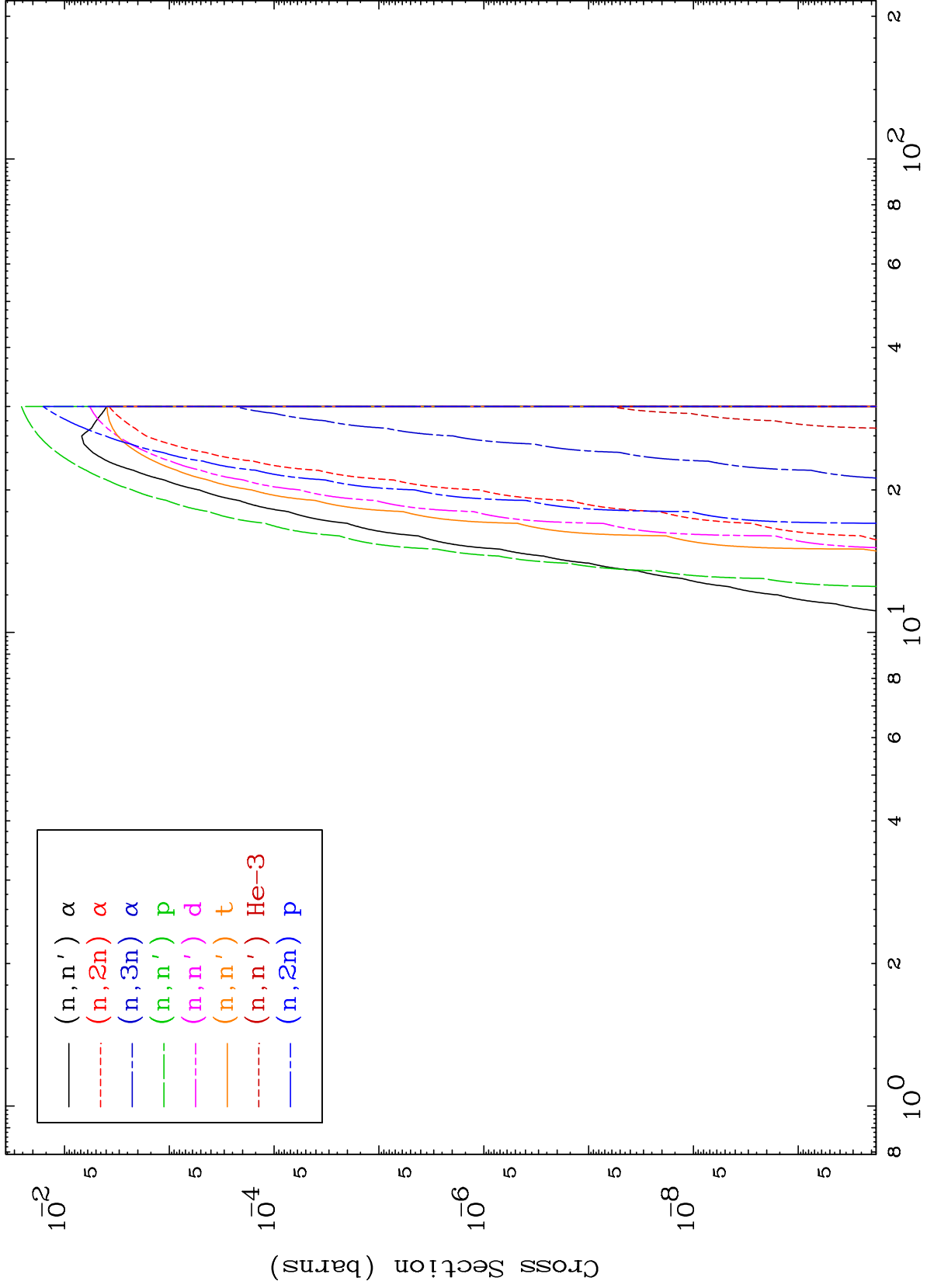




MAT 7158

Charged Particle
293 Kelvin Cross Sections

71-Lu-186



5

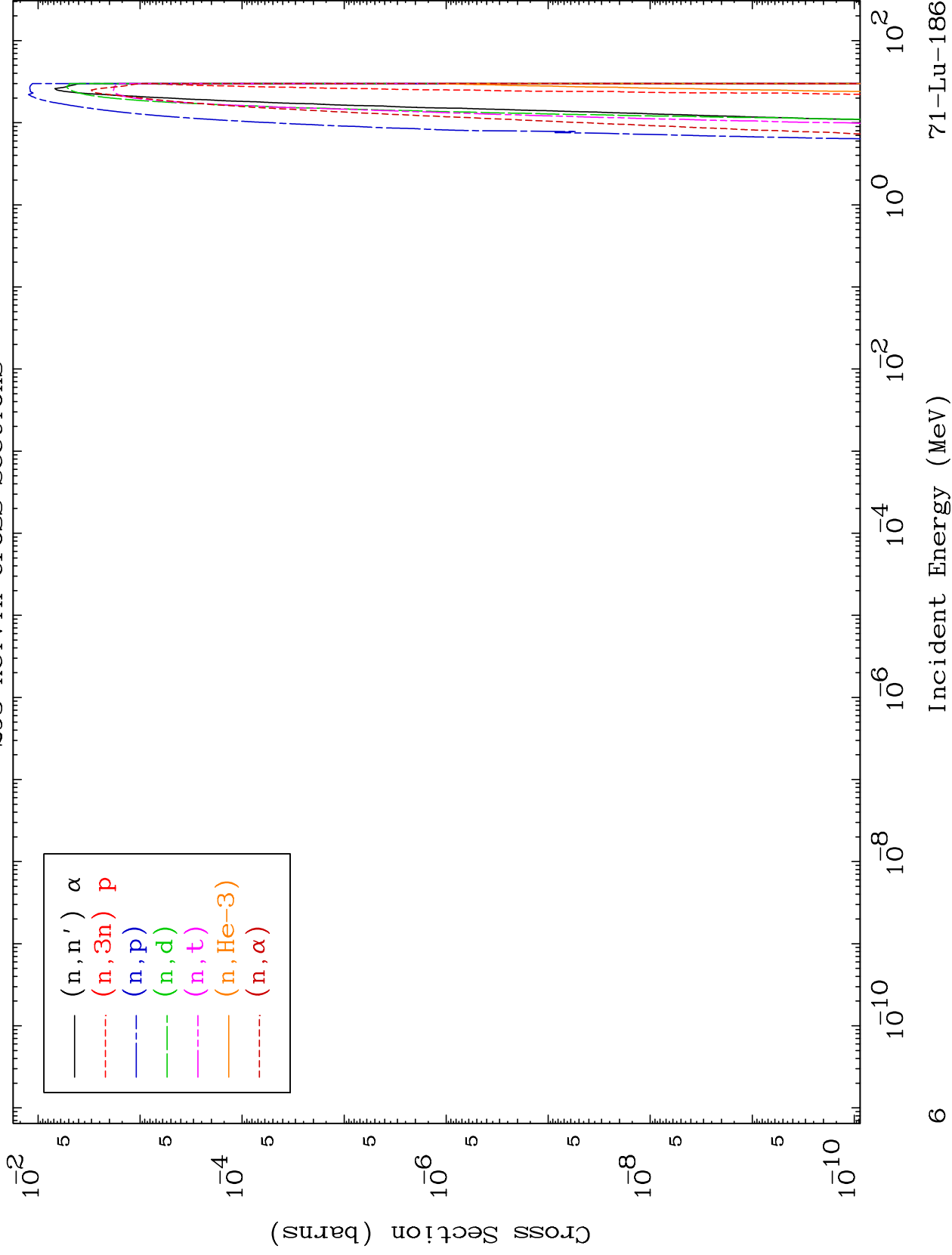
Incident Energy (MeV)

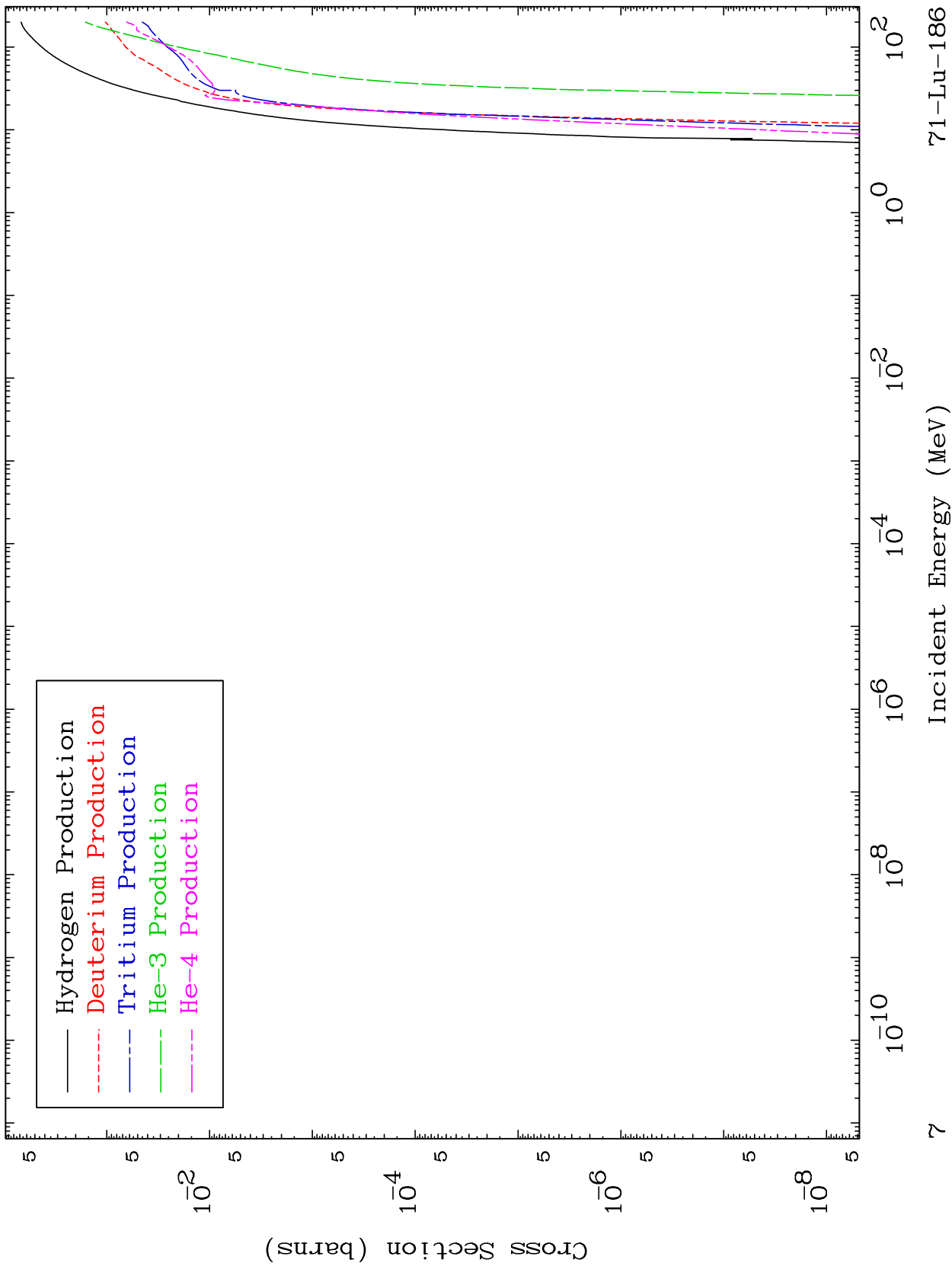
71-Lu-186

MAT 7158

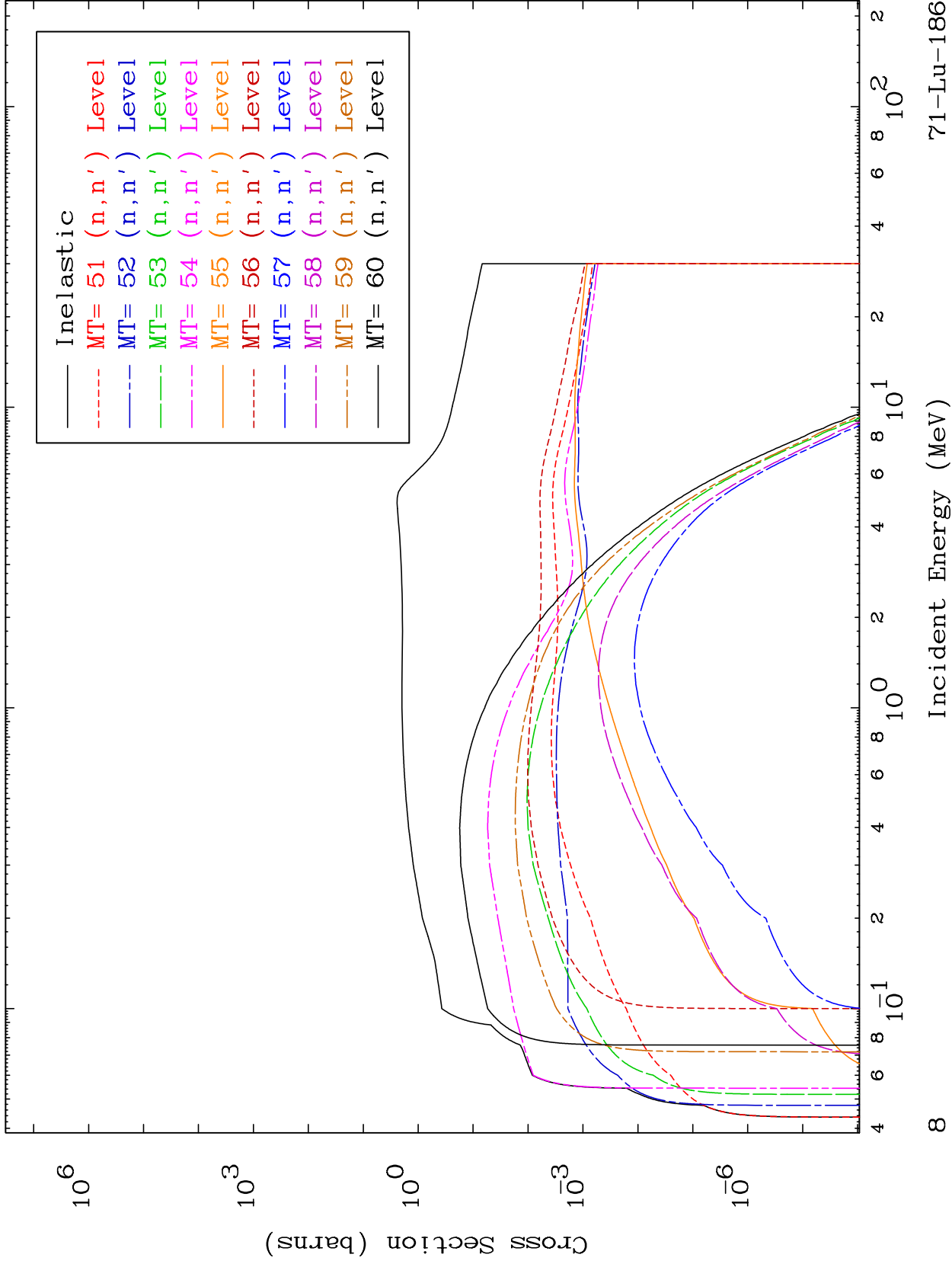
Charged Particle
293 Kelvin Cross Sections

71-Lu-186

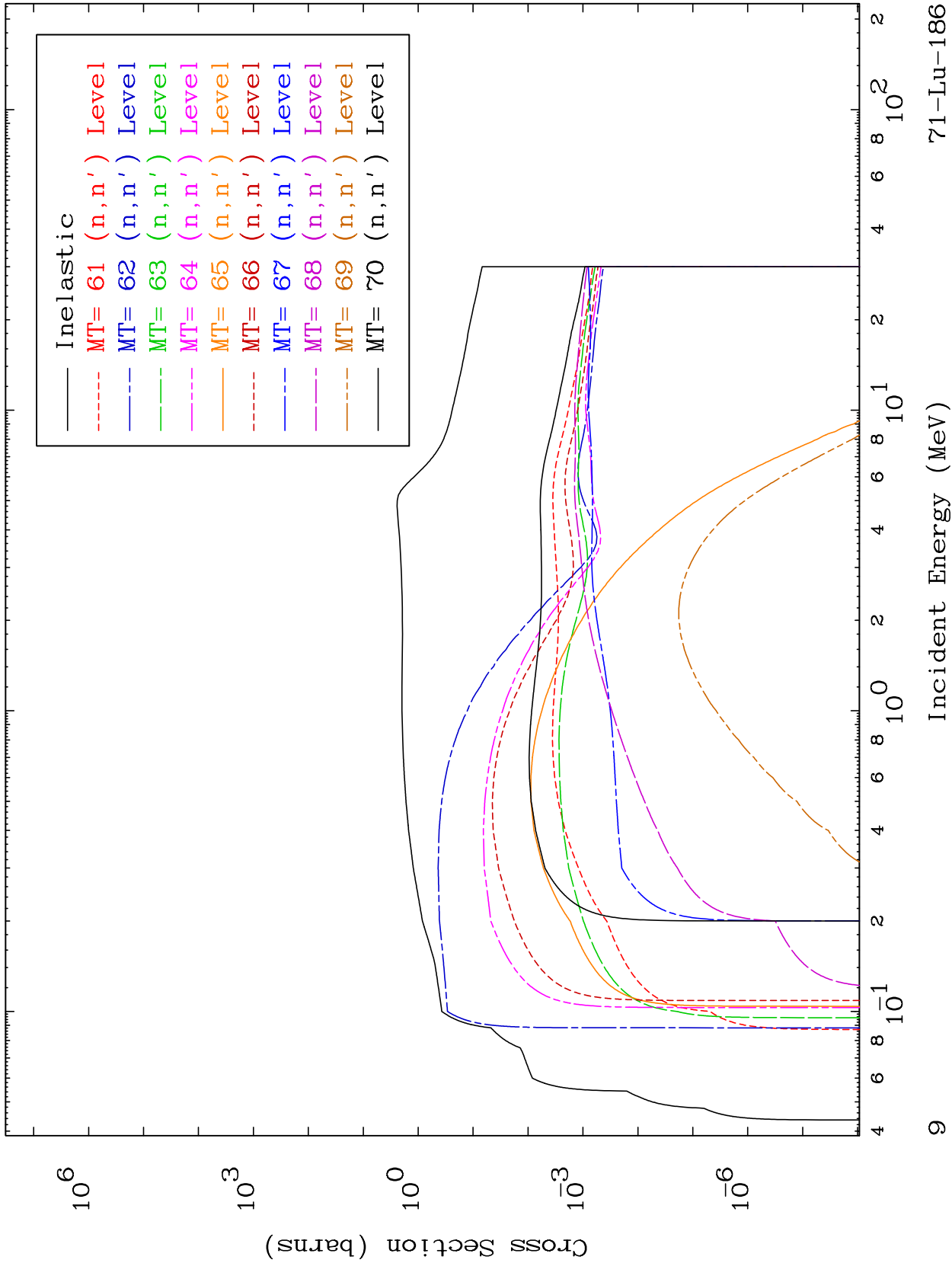




293 Kelvin Cross Sections



293 Kelvin Cross Sections

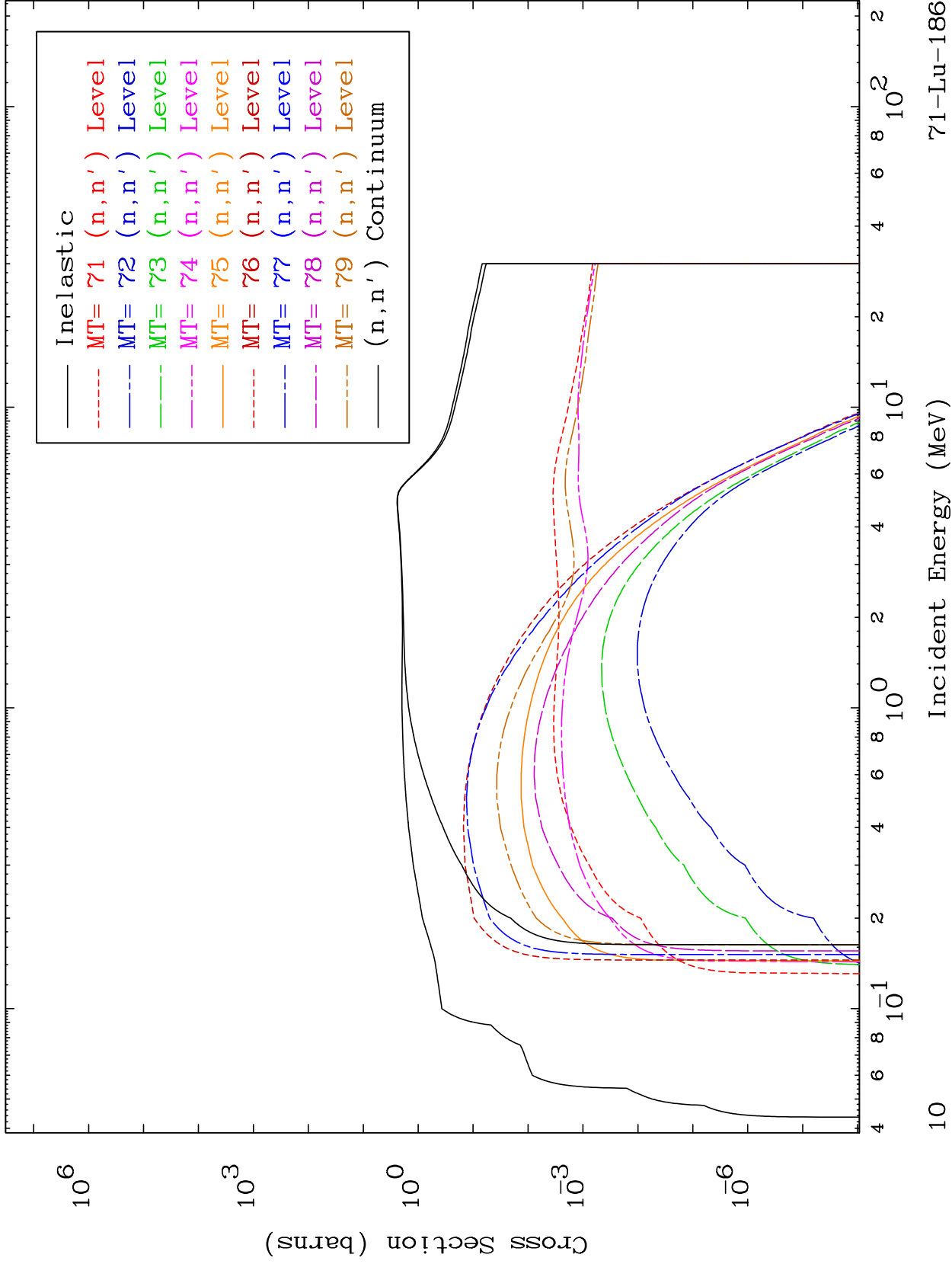


MAT 7158

(n,n') Levels

71-Lu-186

293 Kelvin Cross Sections



10

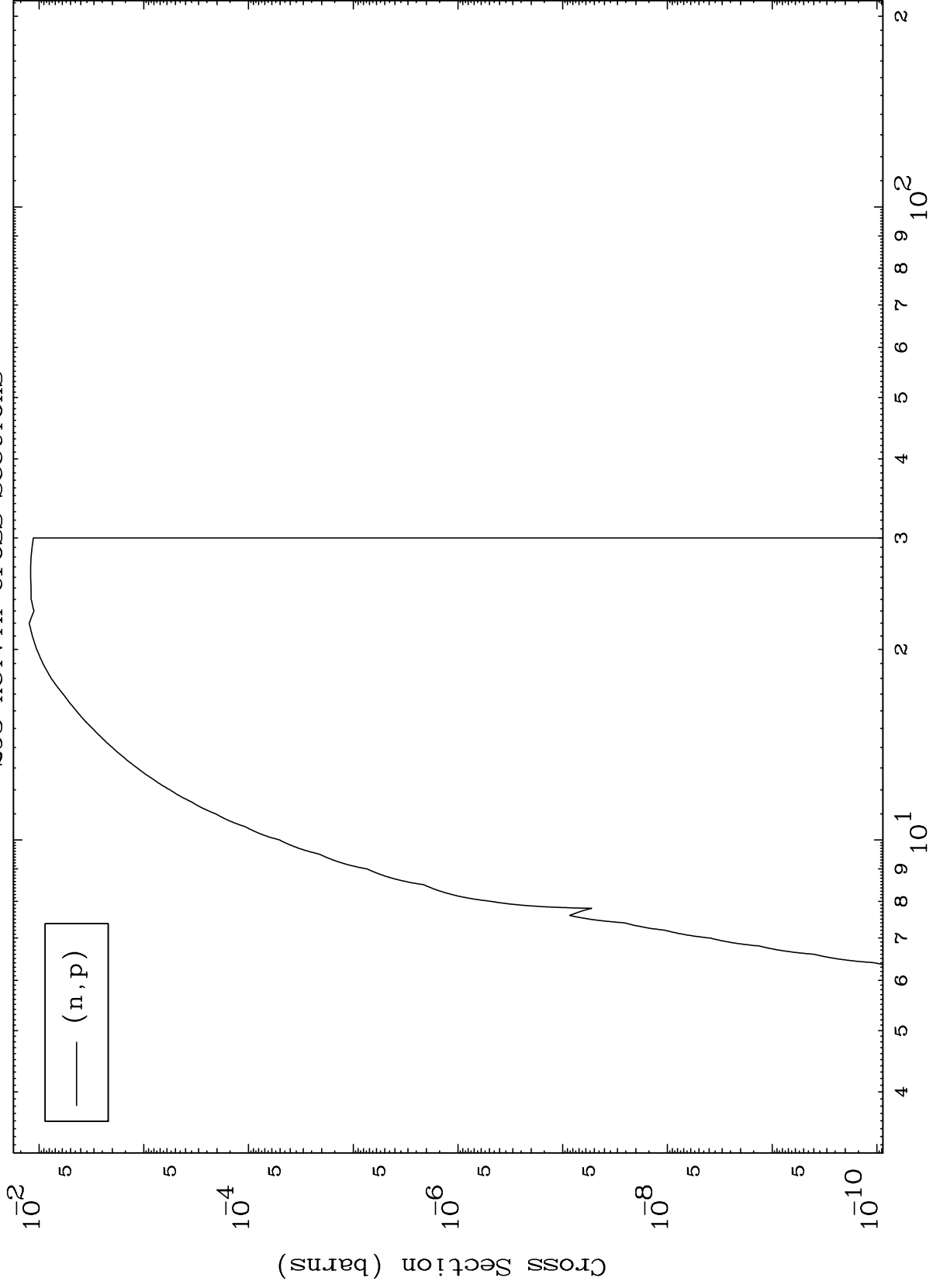
Incident Energy (MeV)

71-Lu-186

MAT 7158

(n,p) Levels
293 Kelvin Cross Sections

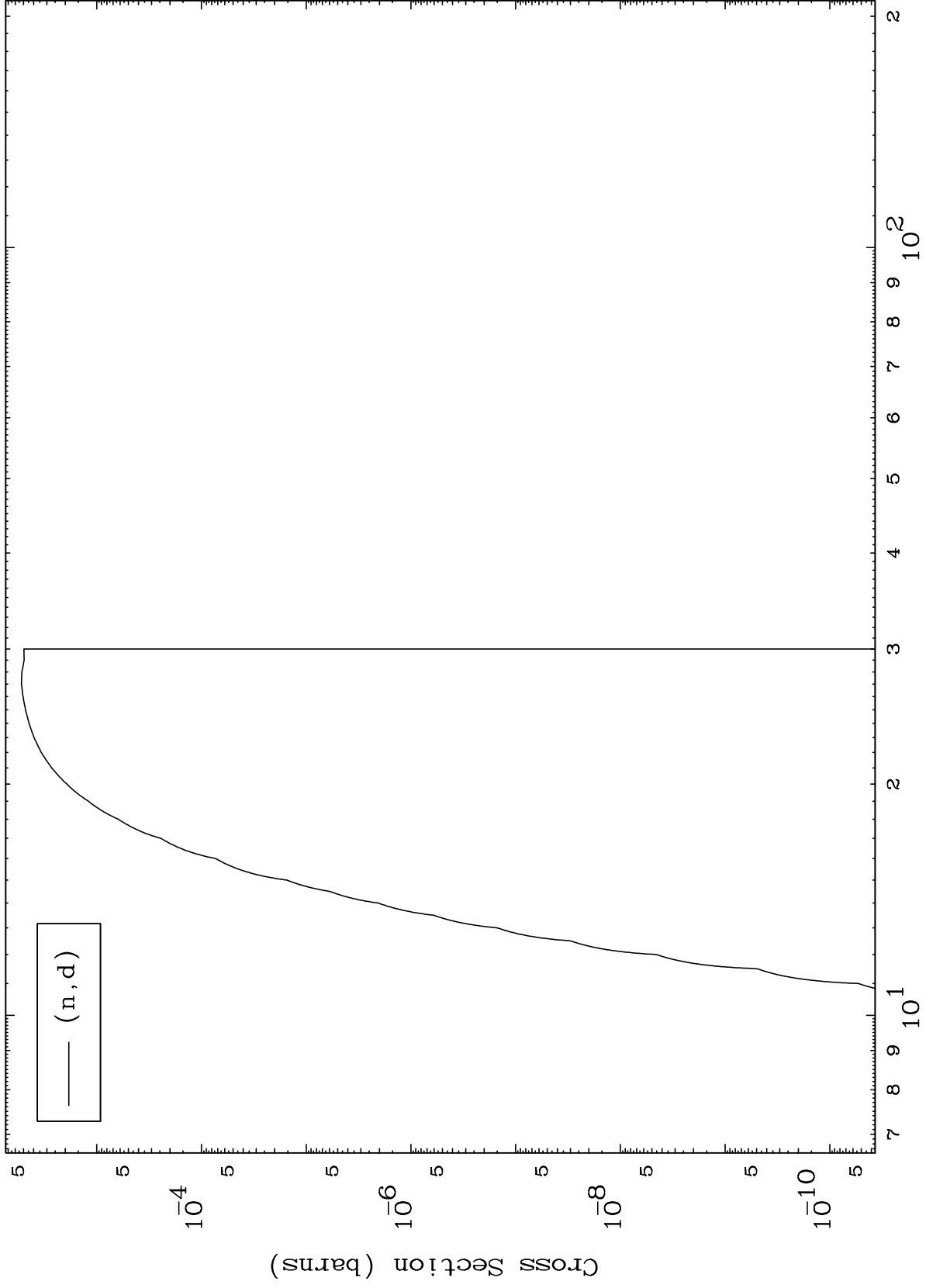
71-Lu-186



MAT 7158

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-186



12

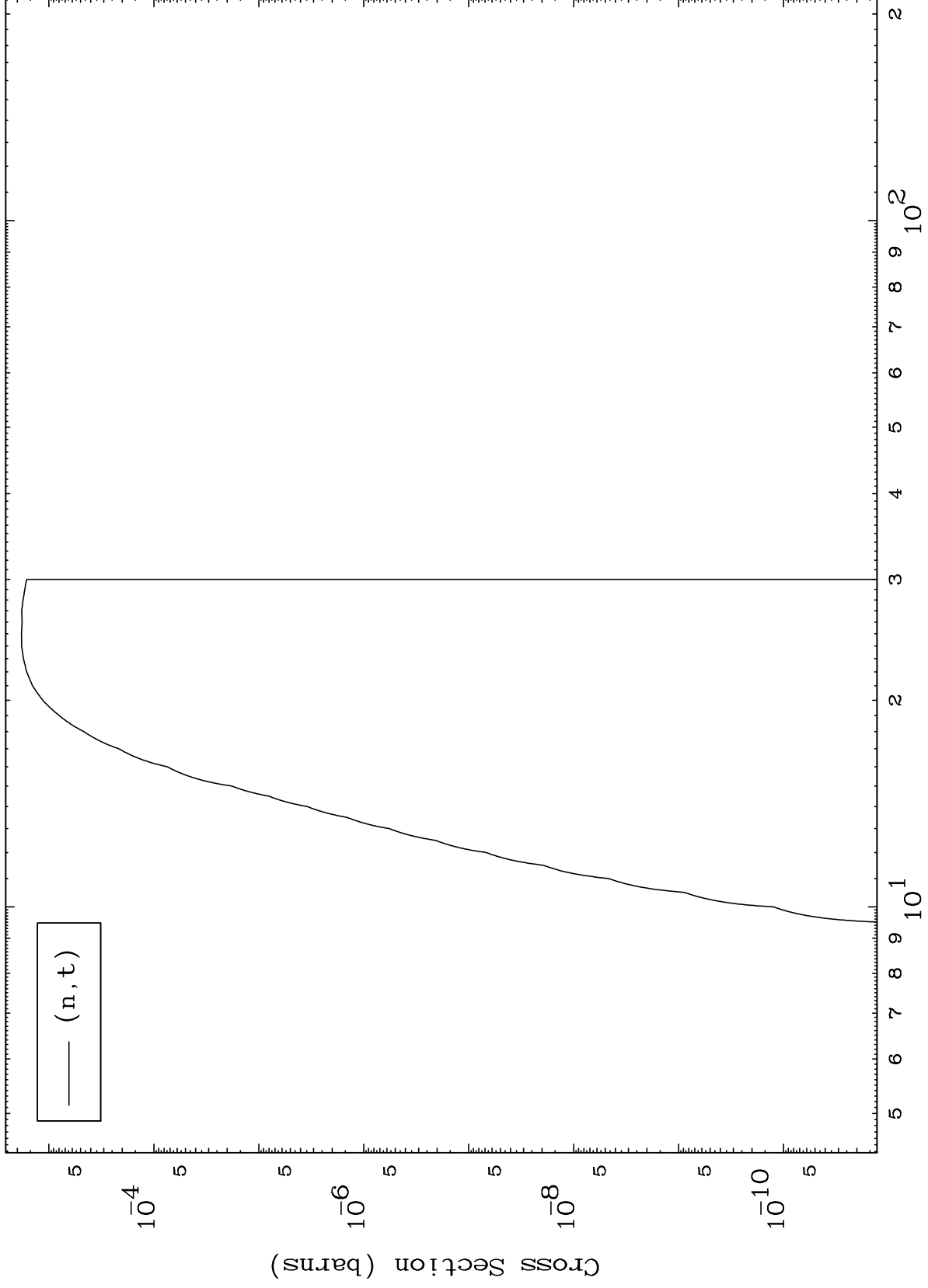
Incident Energy (MeV)

71-Lu-186

MAT 7158

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-186



13

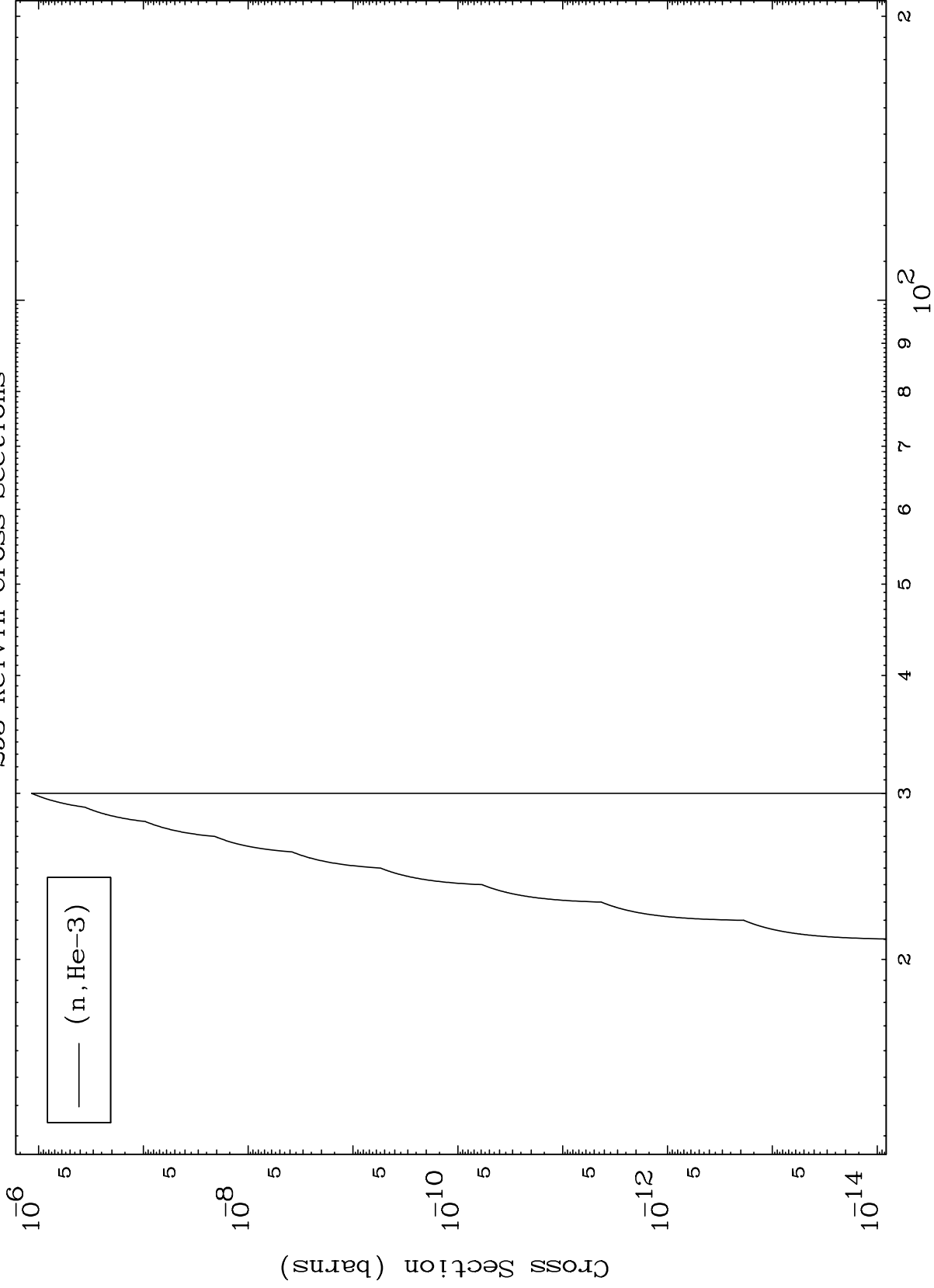
Incident Energy (MeV)

71-Lu-186

MAT 7158

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-186



14

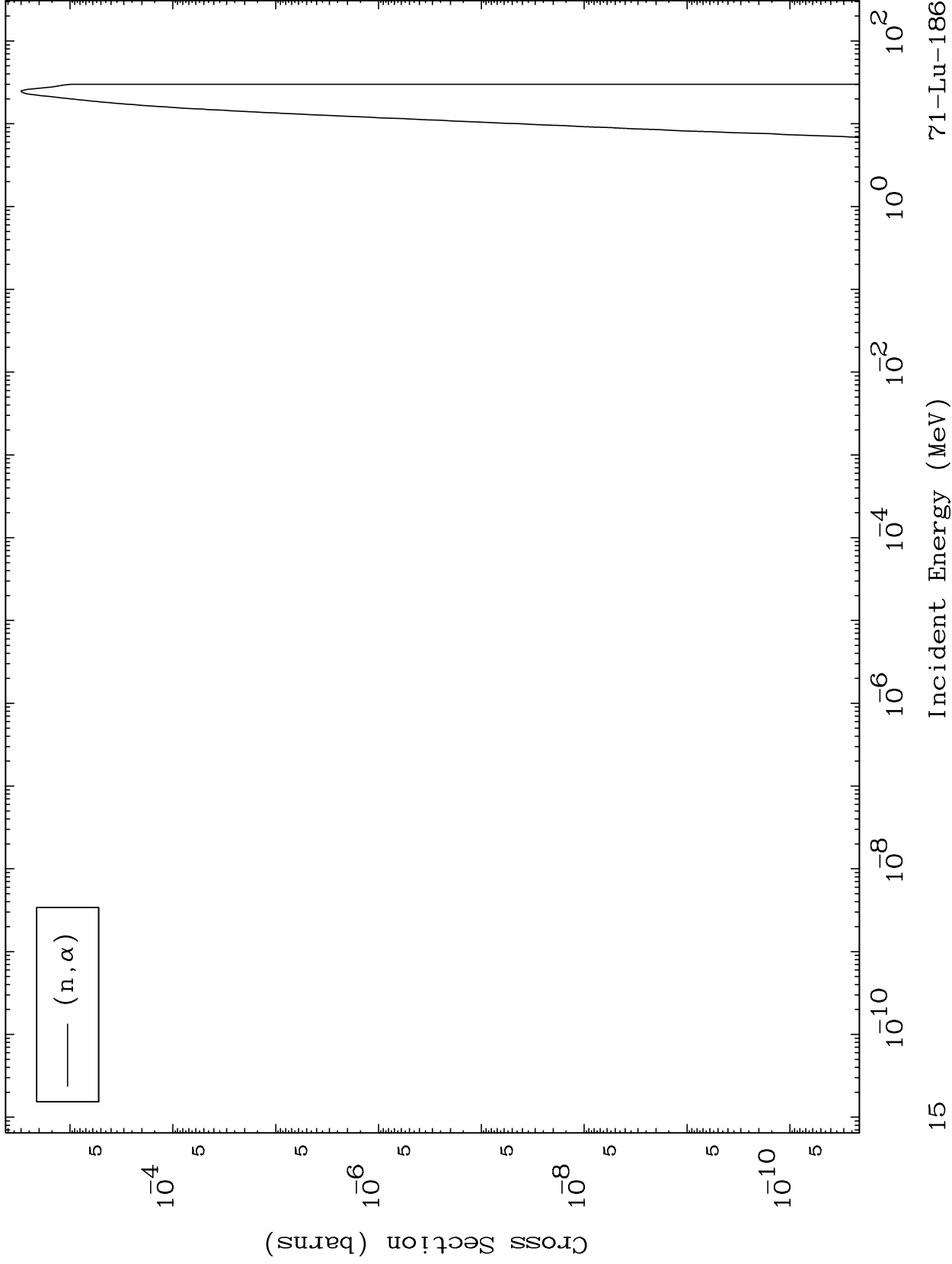
Incident Energy (MeV)

71-Lu-186

MAT 7158

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-186



15

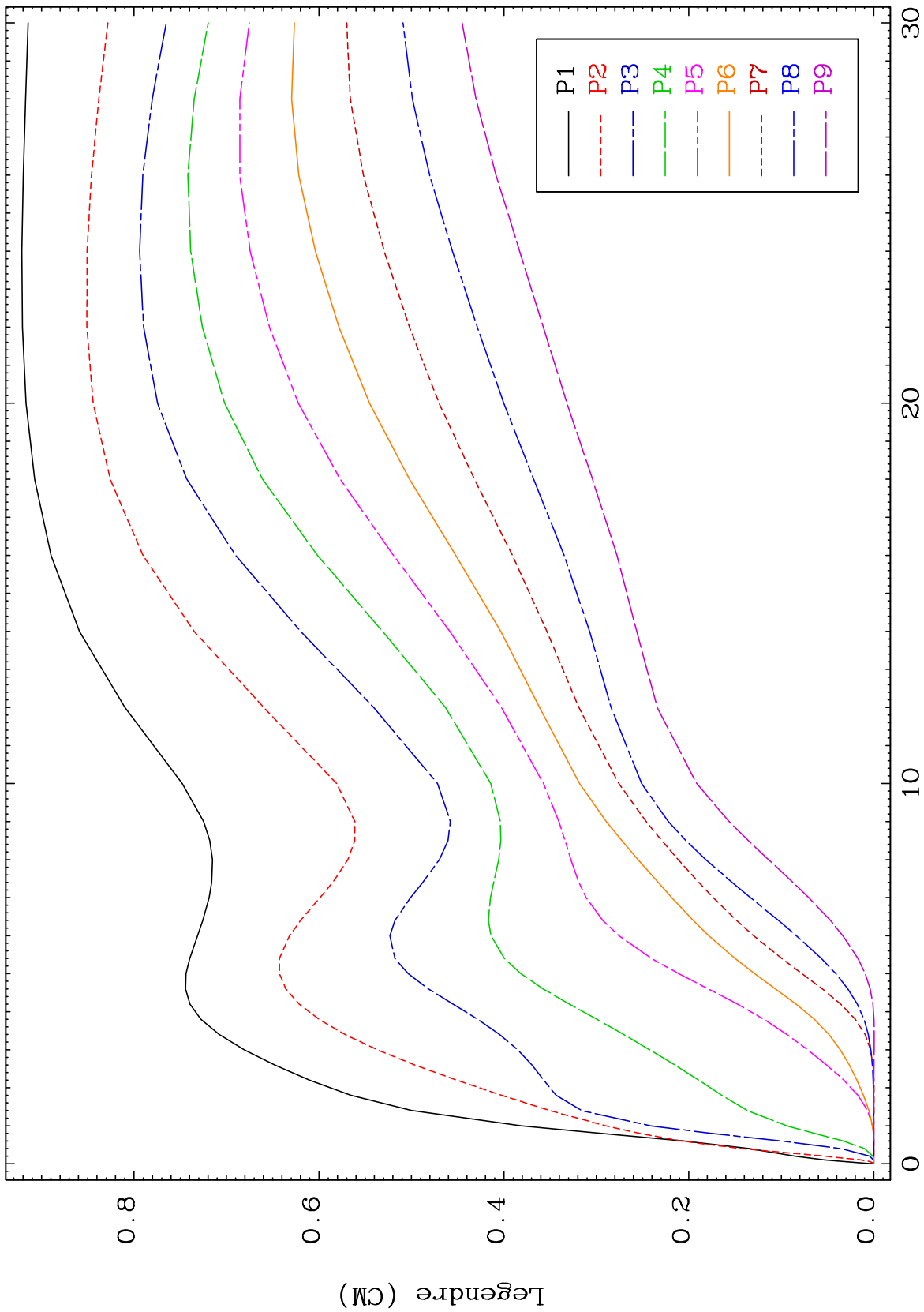
Incident Energy (MeV)

71-Lu-186

MAT 7158

71-Lu-186

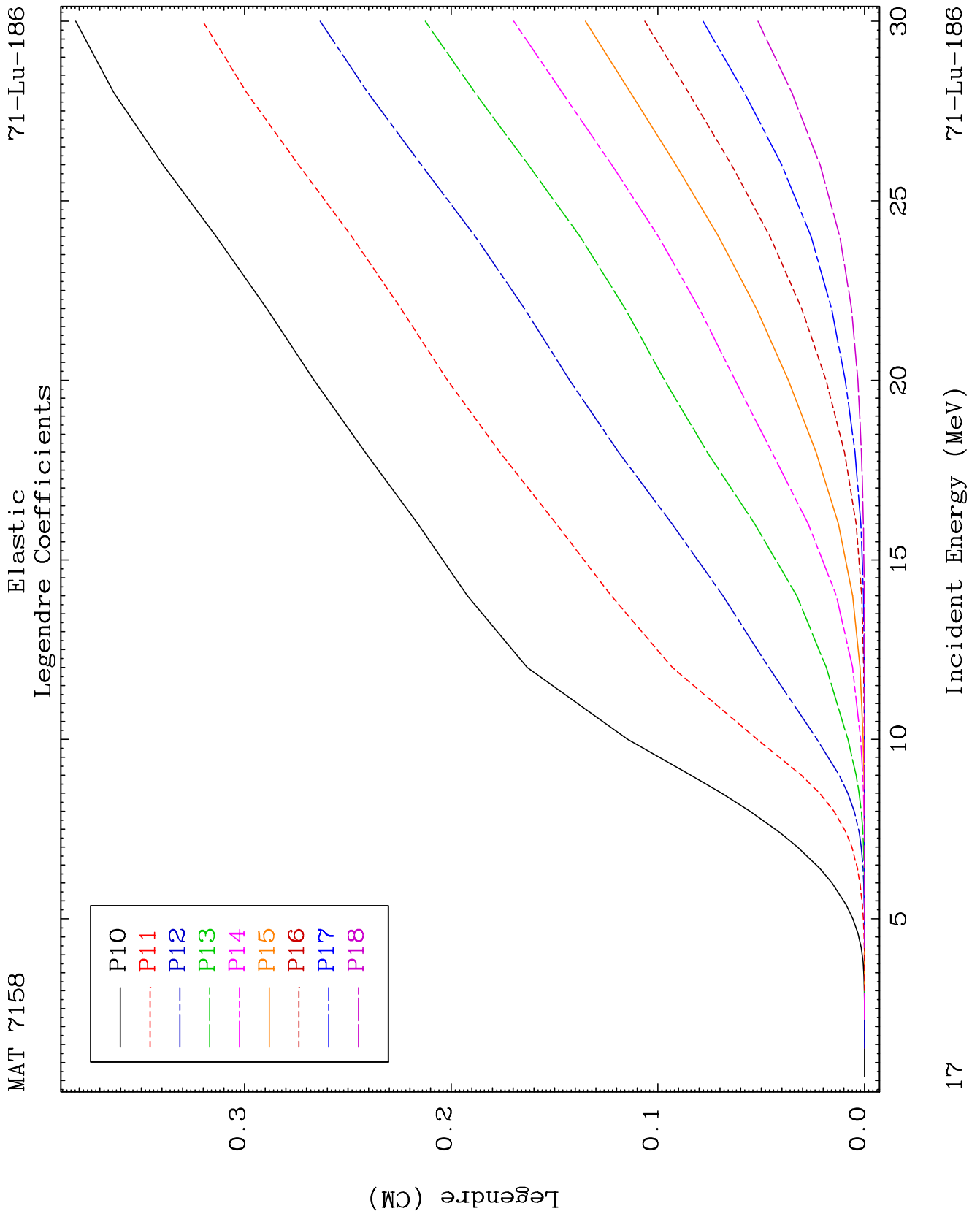
Elastic Legendre Coefficients

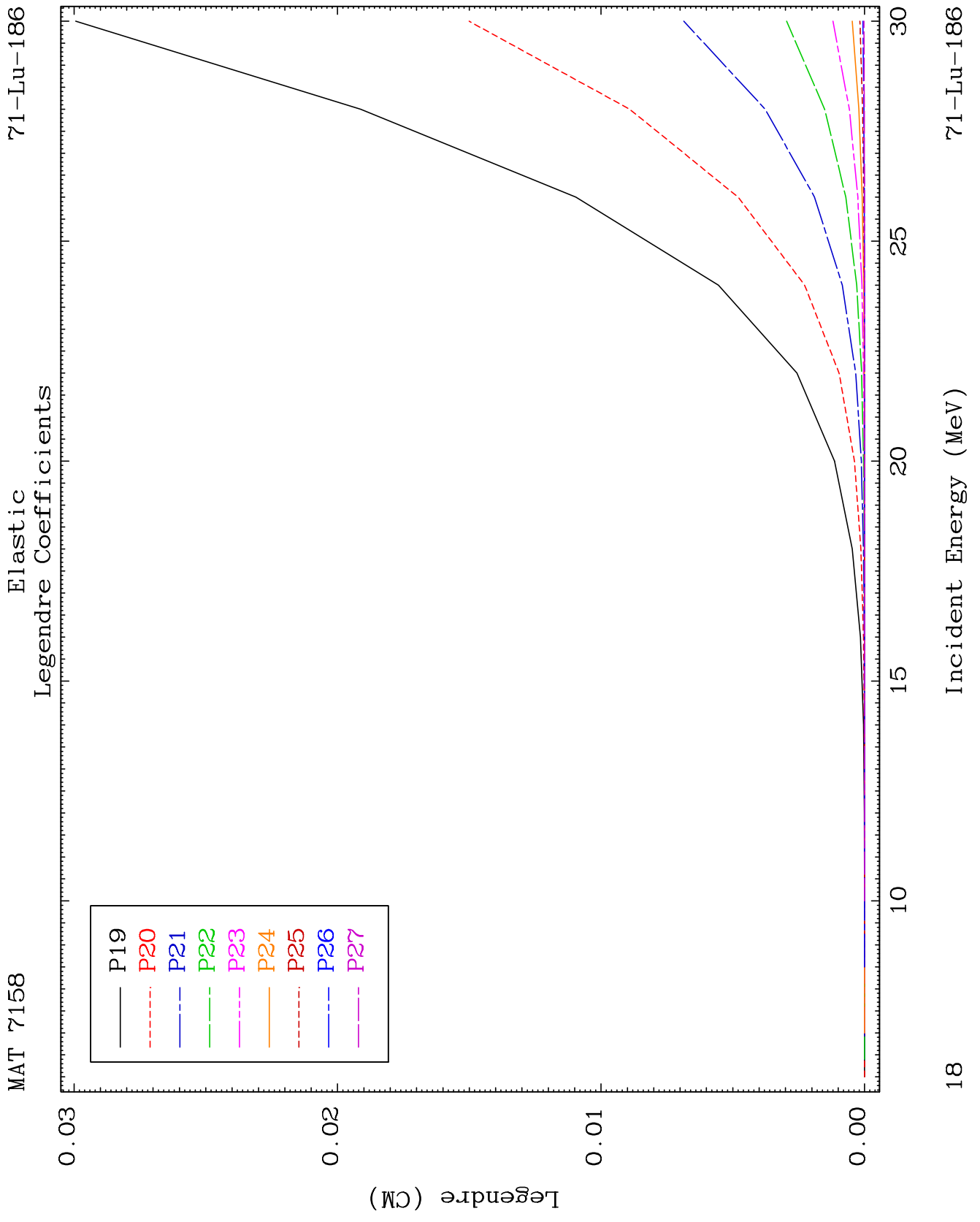


16

Incident Energy (MeV)

71-Lu-186

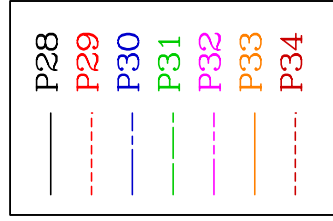




MAT 7158

Elastic
Legendre Coefficients

71-Lu-186



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

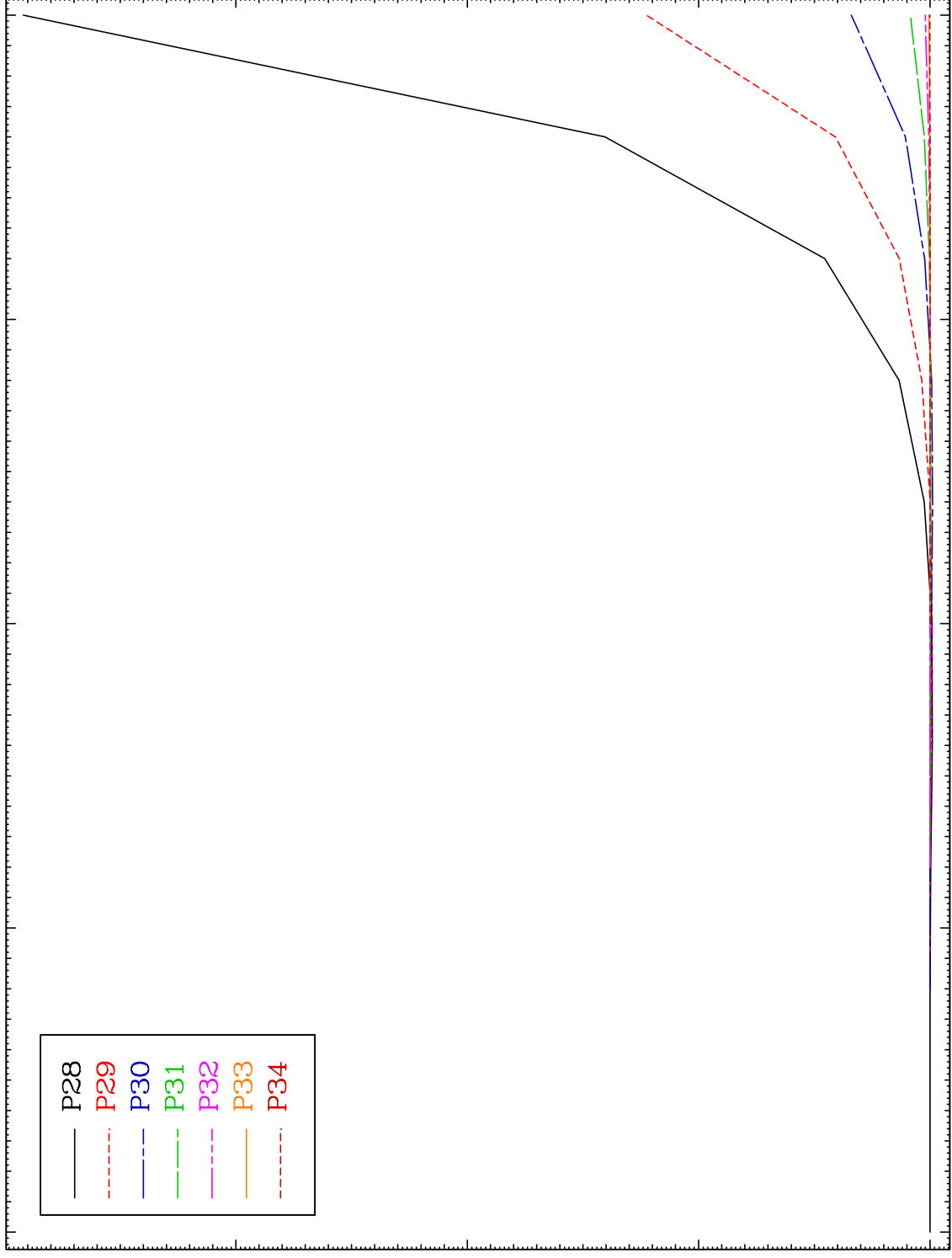
25

30

19

Incident Energy (MeV)

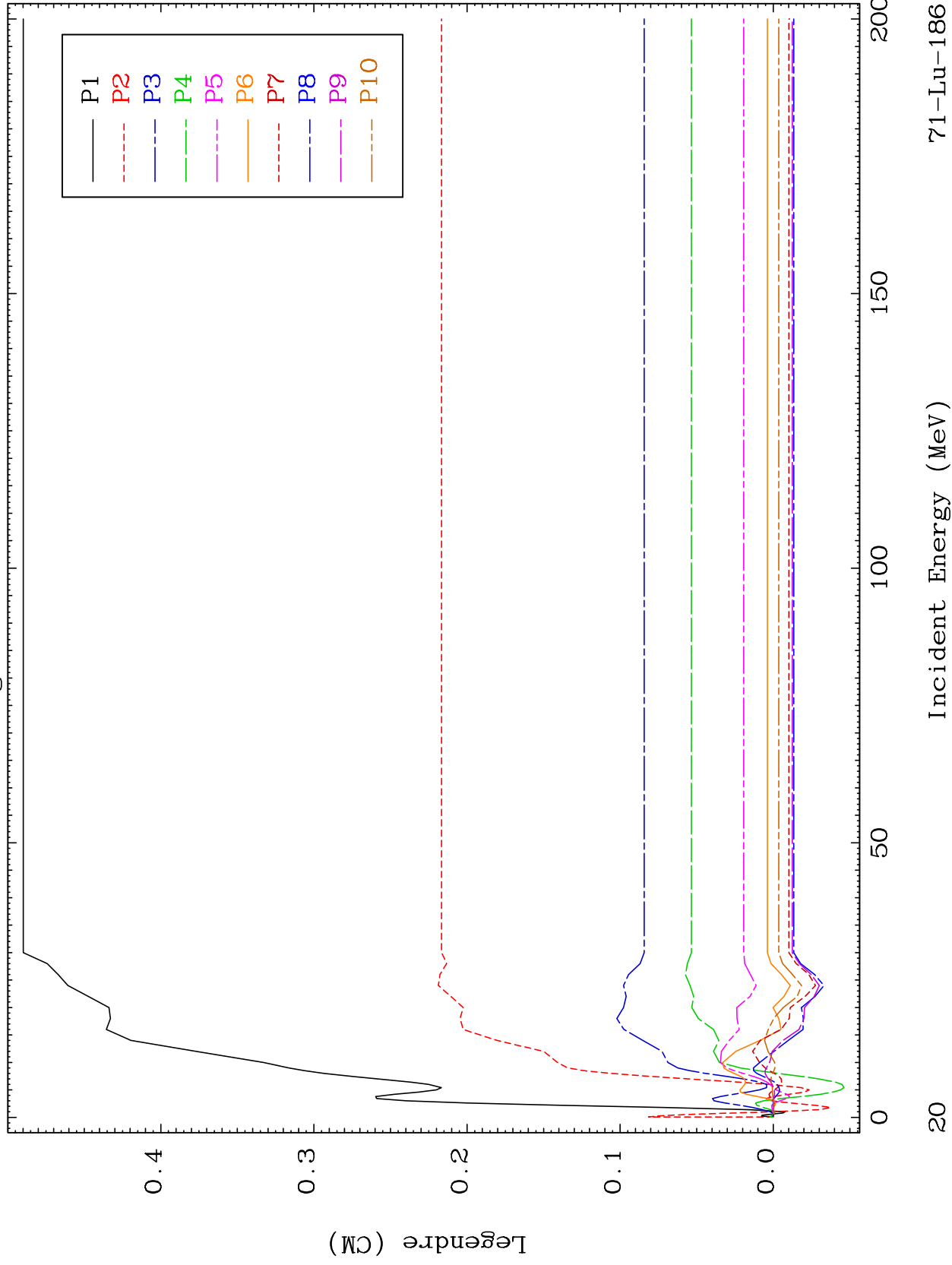
71-Lu-186



MAT 7158

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

71-Lu-186



71-Lu-186

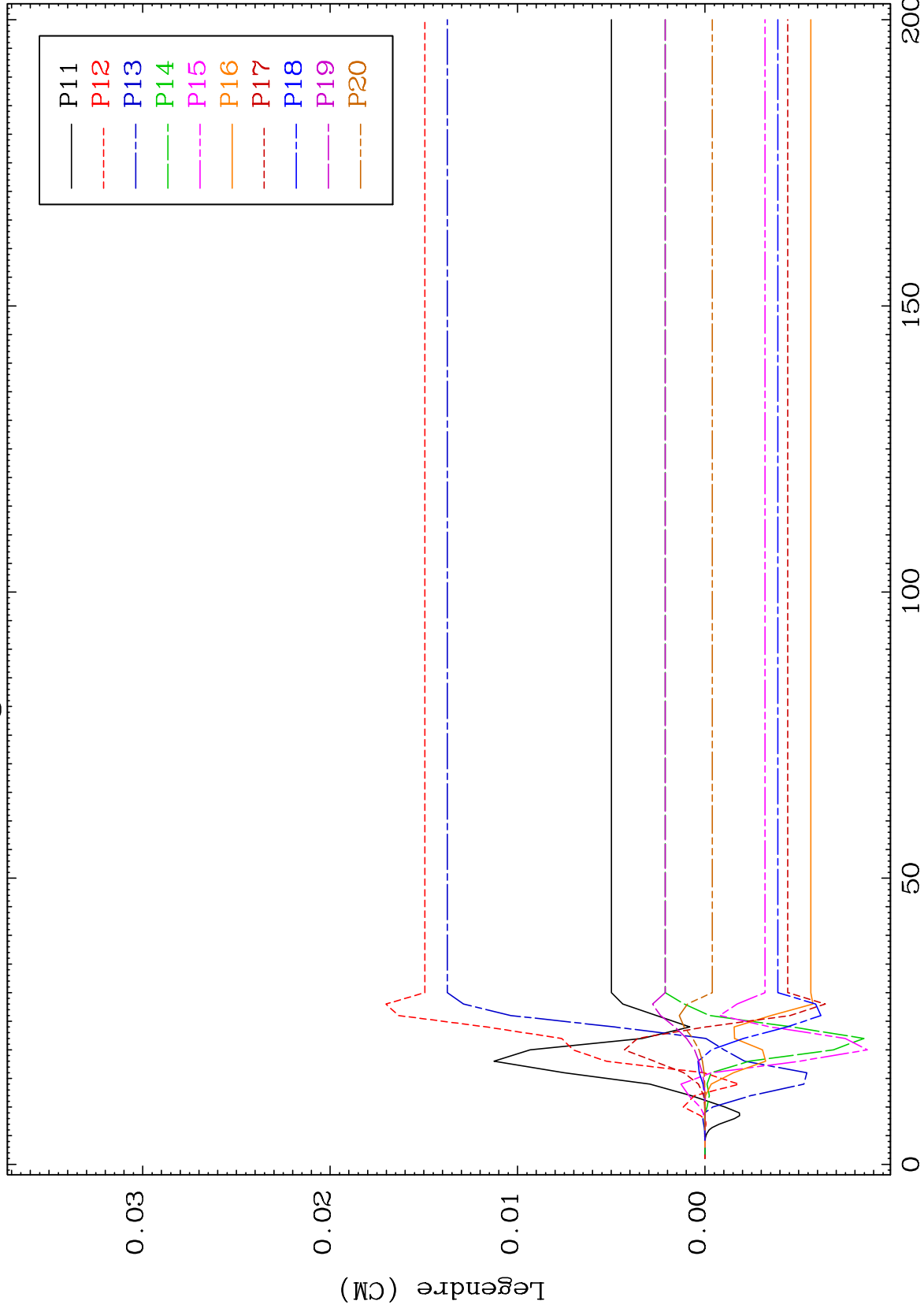
Incident Energy (MeV)

20

MAT 7158

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

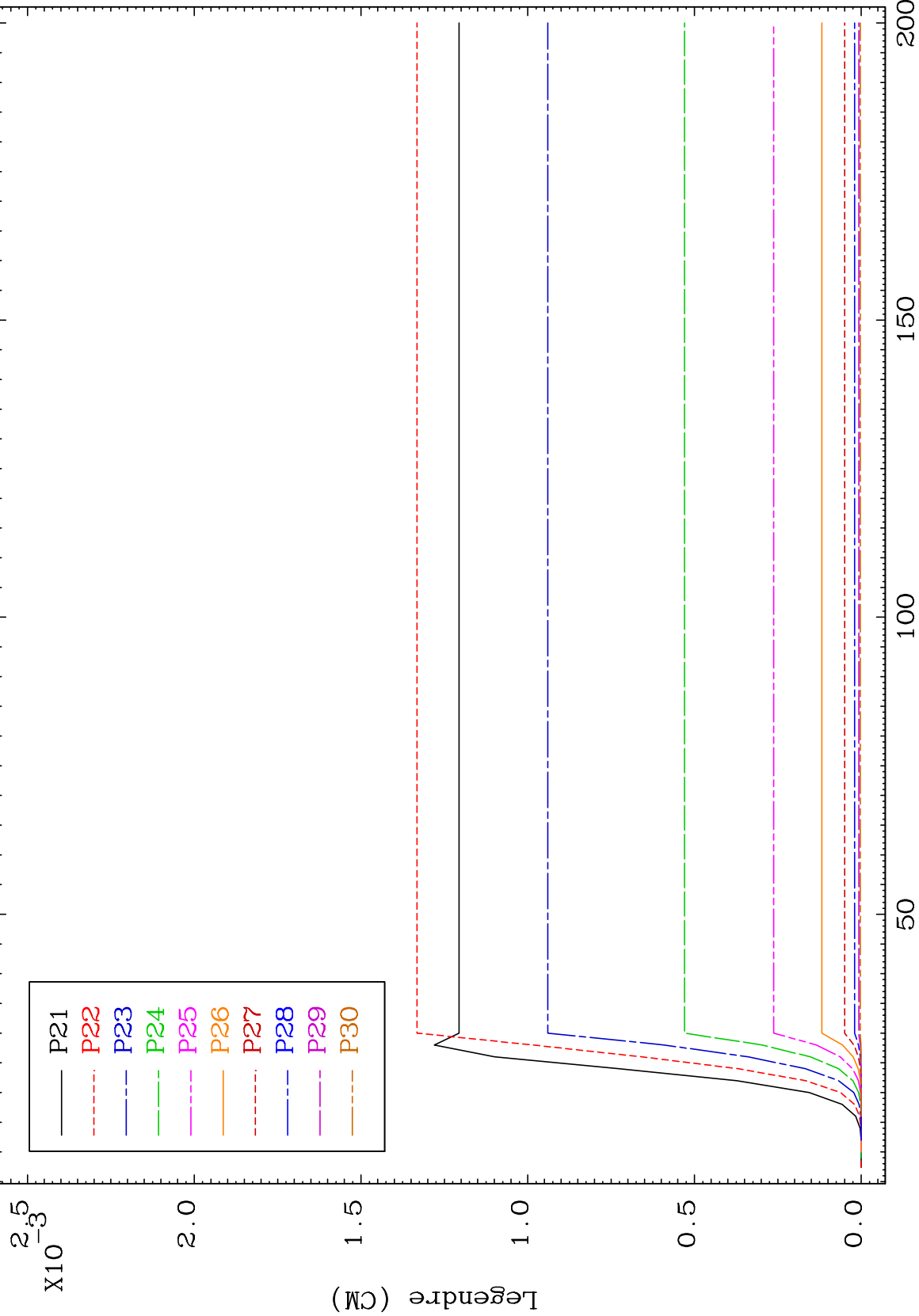
71-Lu-186

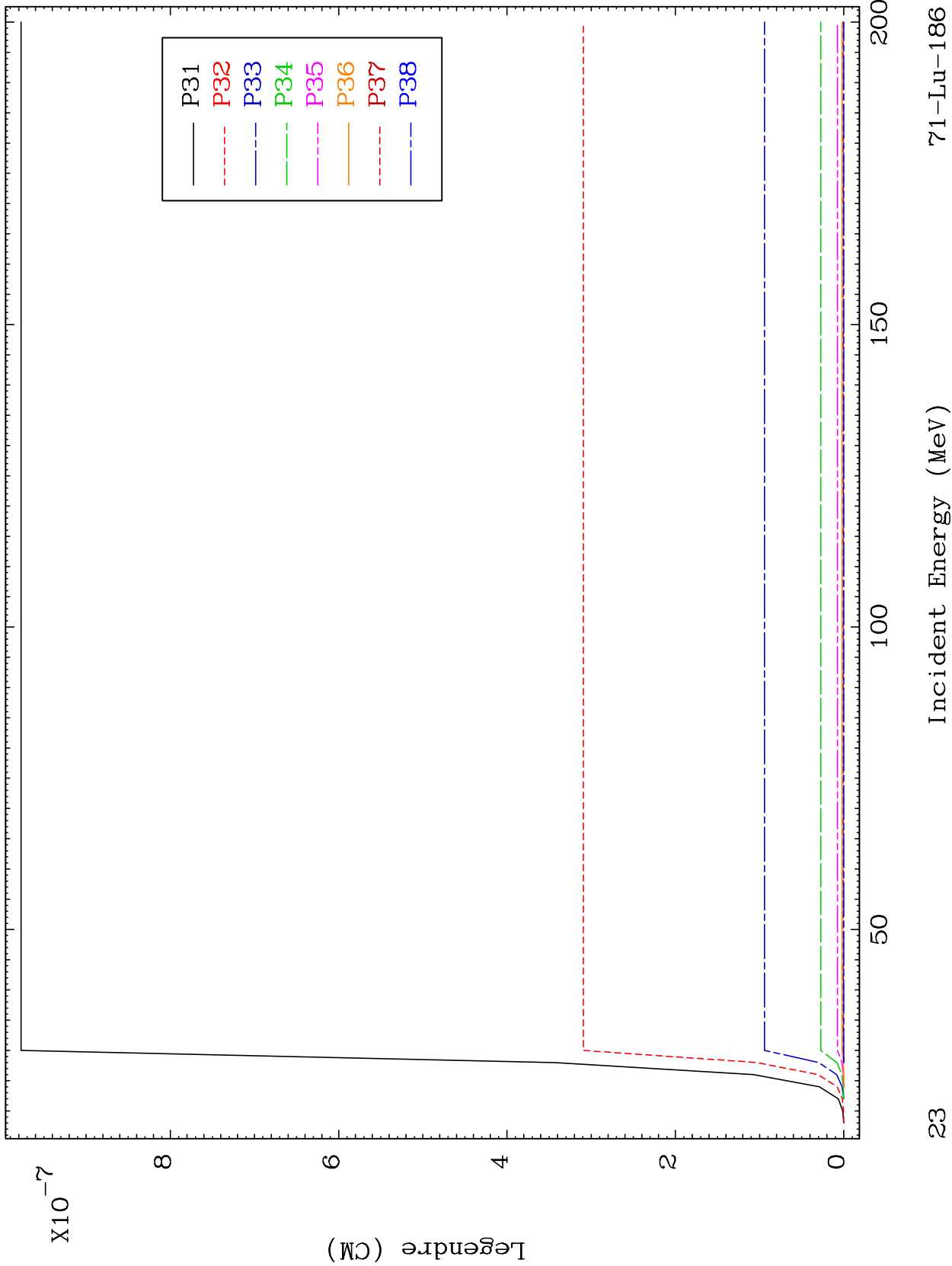


21

Incident Energy (MeV)

71-Lu-186

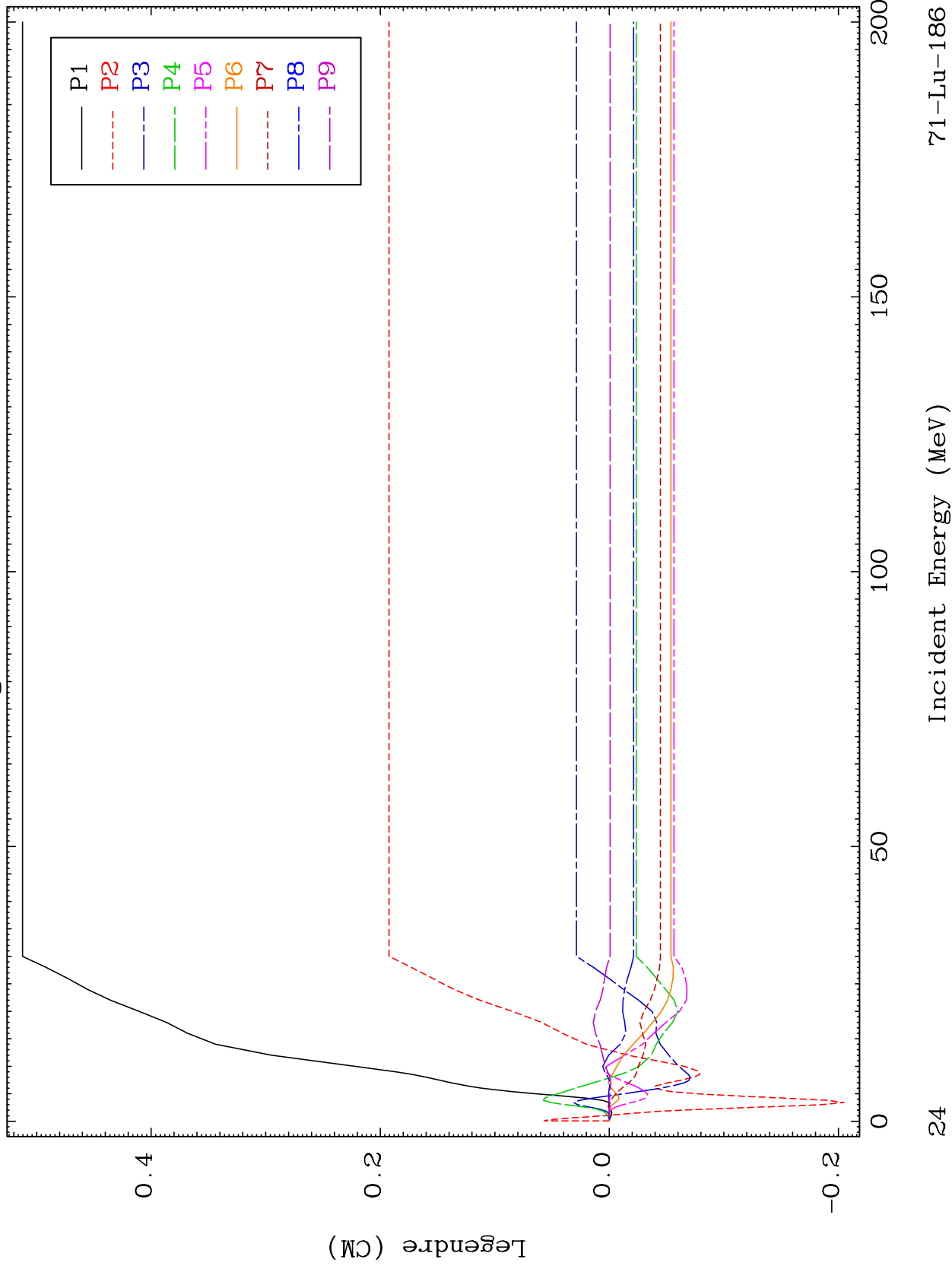




MAT 7158

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

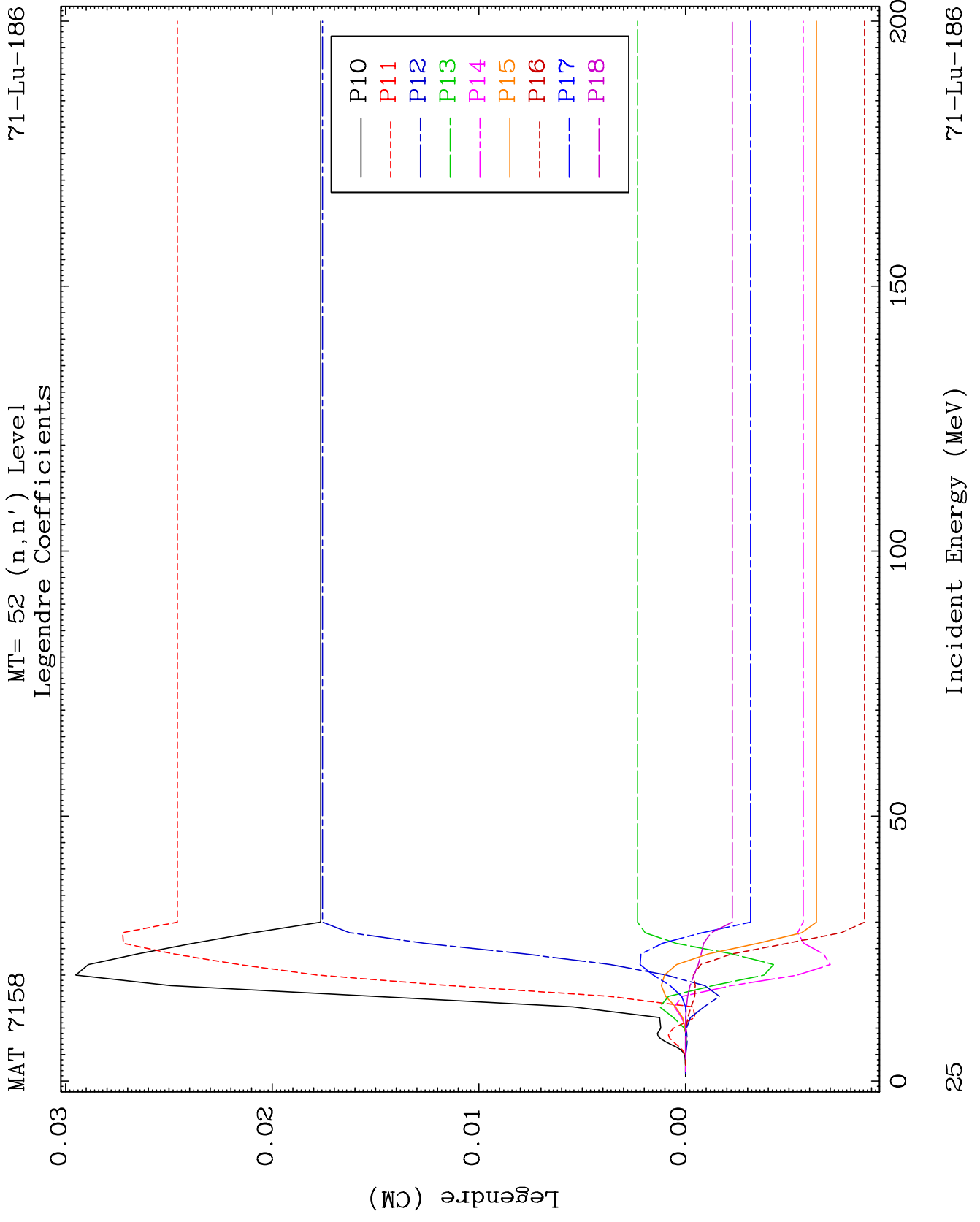
71-Lu-186

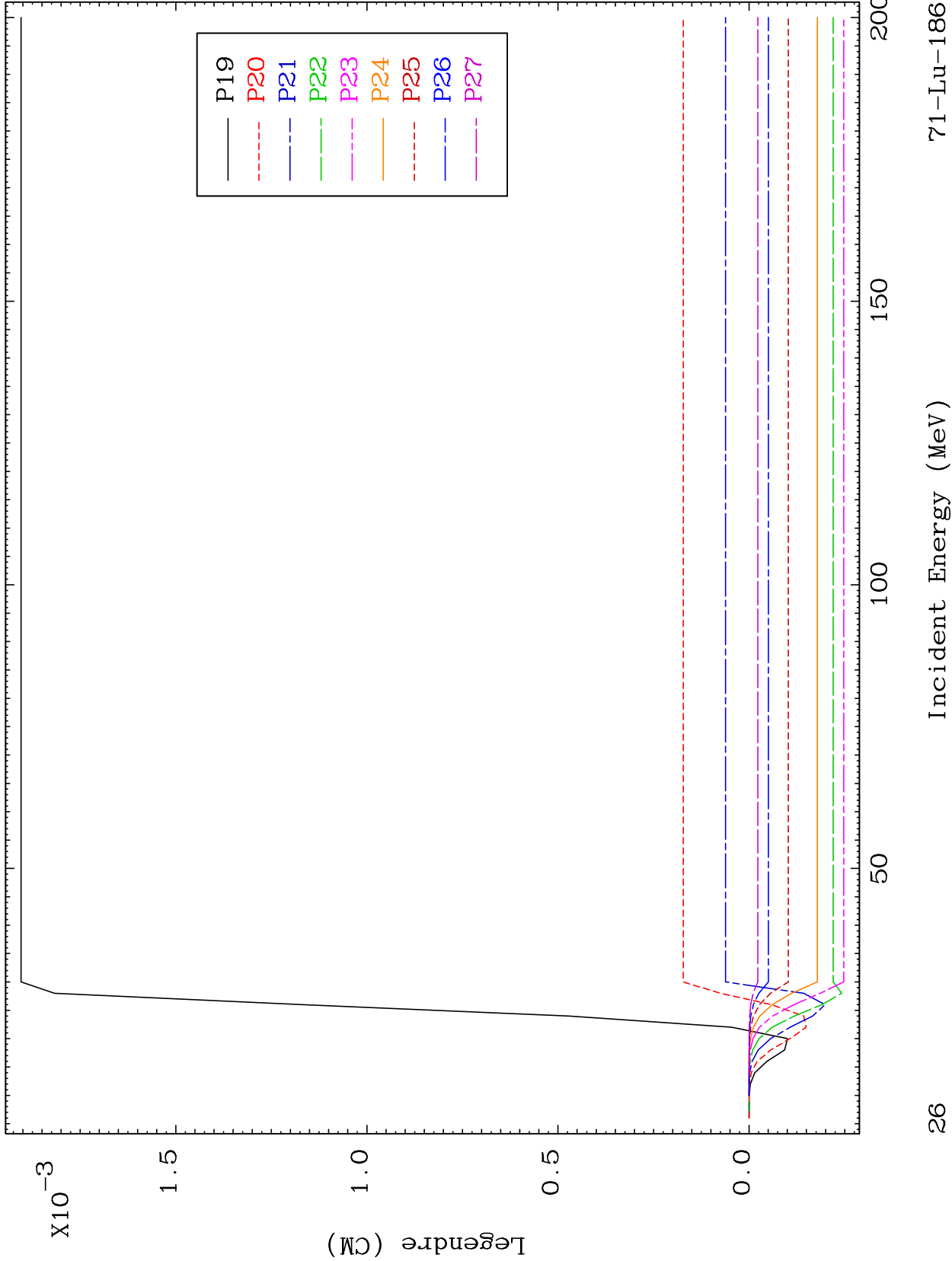


71-Lu-186

Incident Energy (MeV)

24

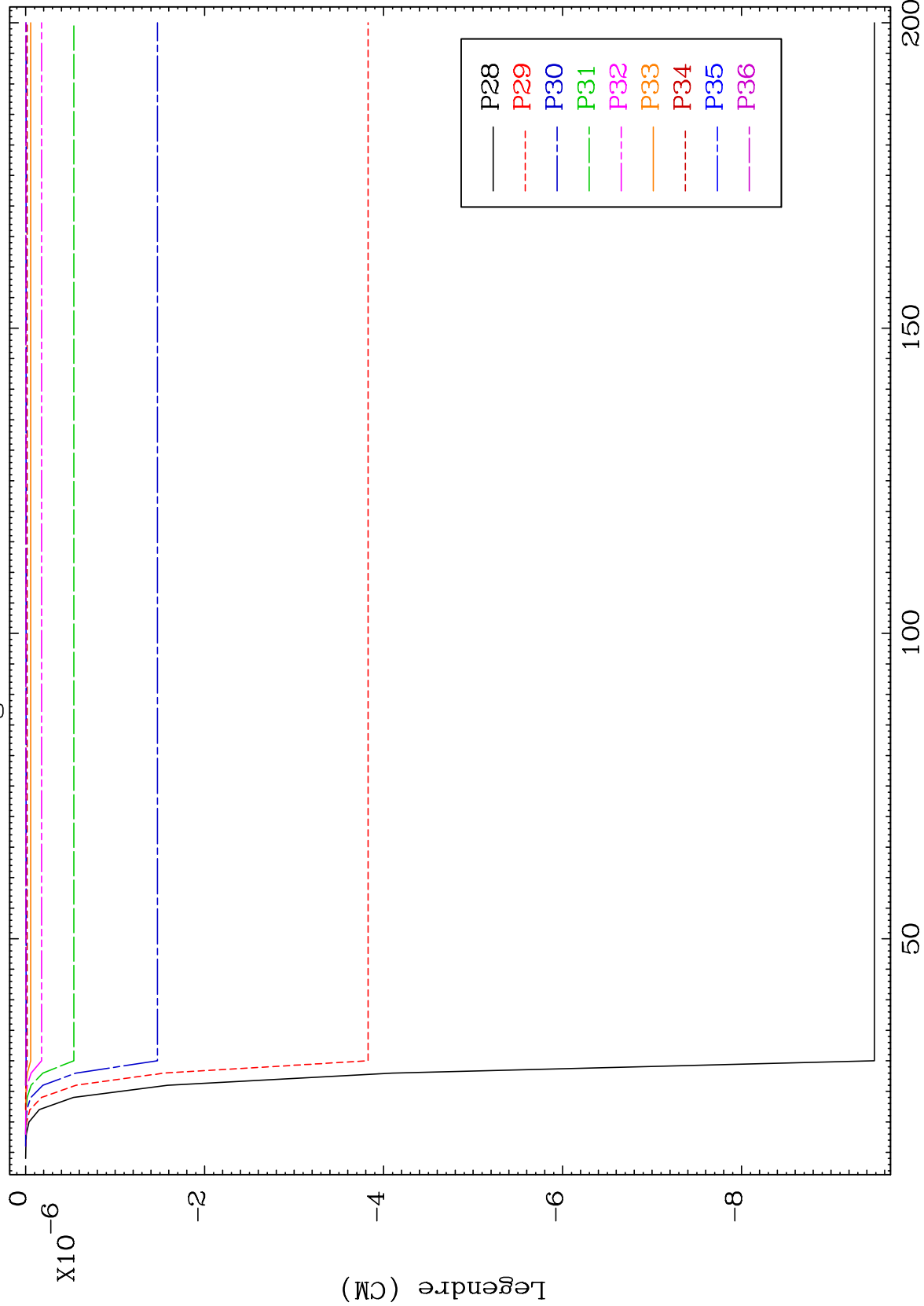




MAT 7158

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

71-Lu-186



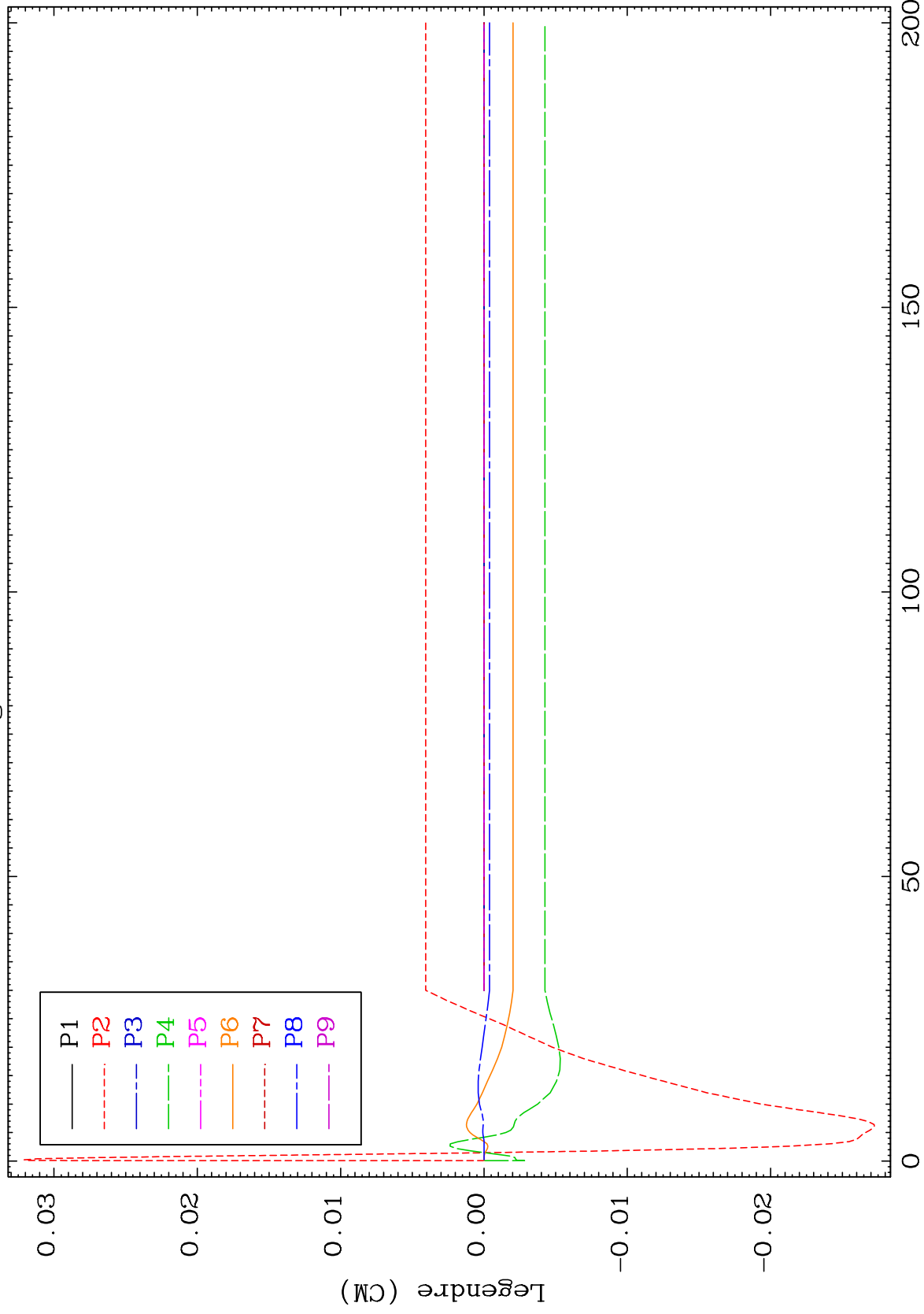
27

71-Lu-186

MAT 7158

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

71-Lu-186



28

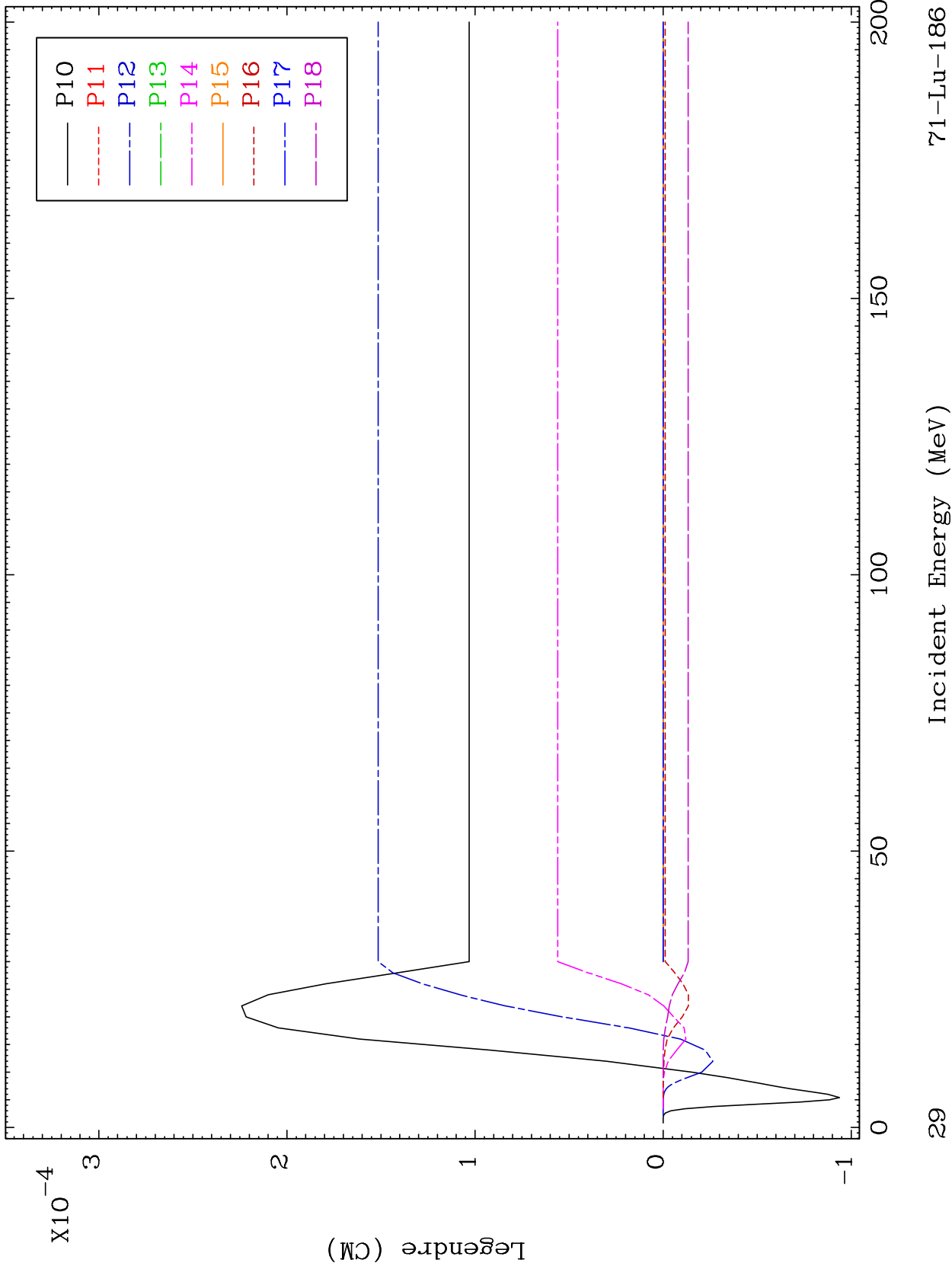
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

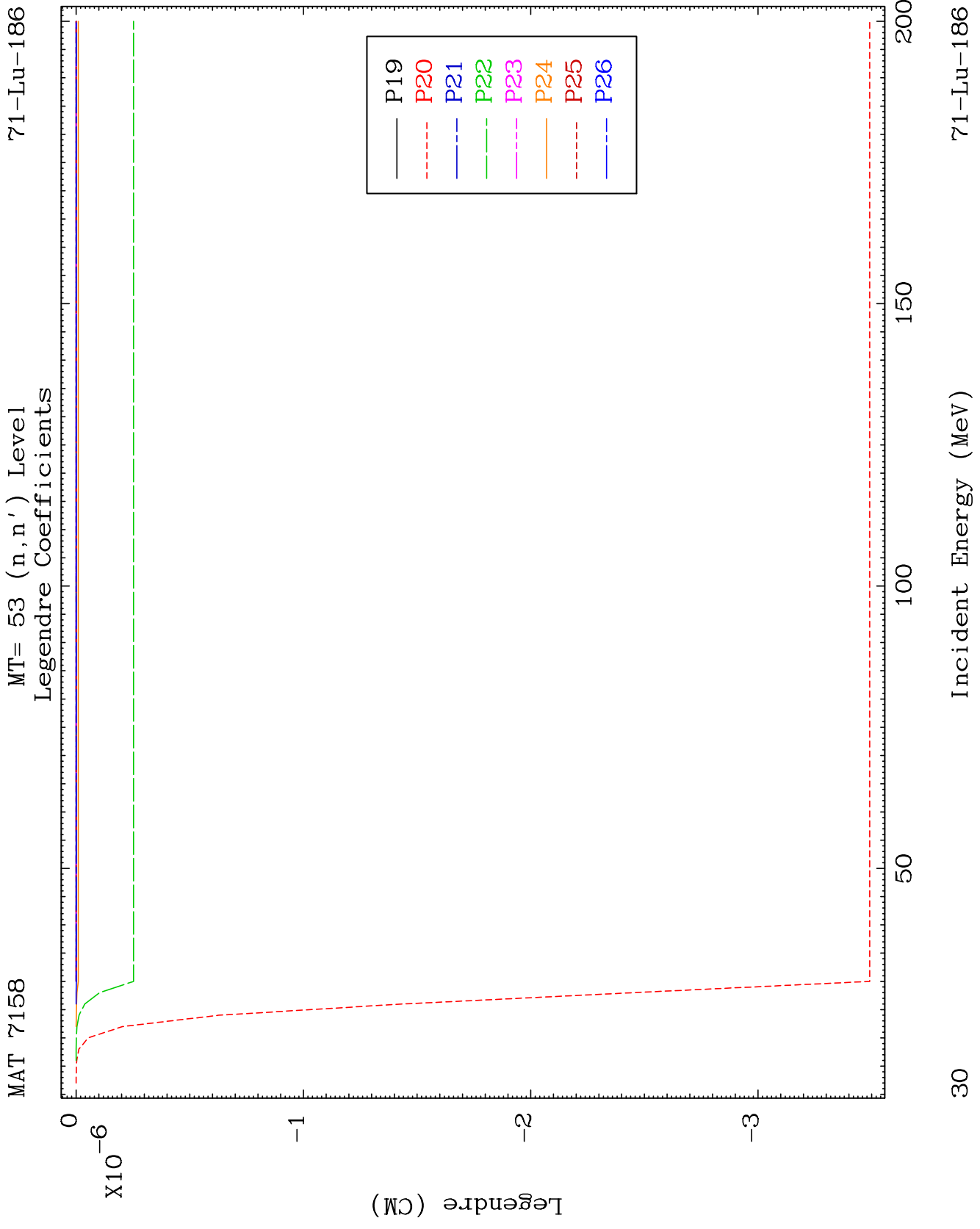
71-Lu-186

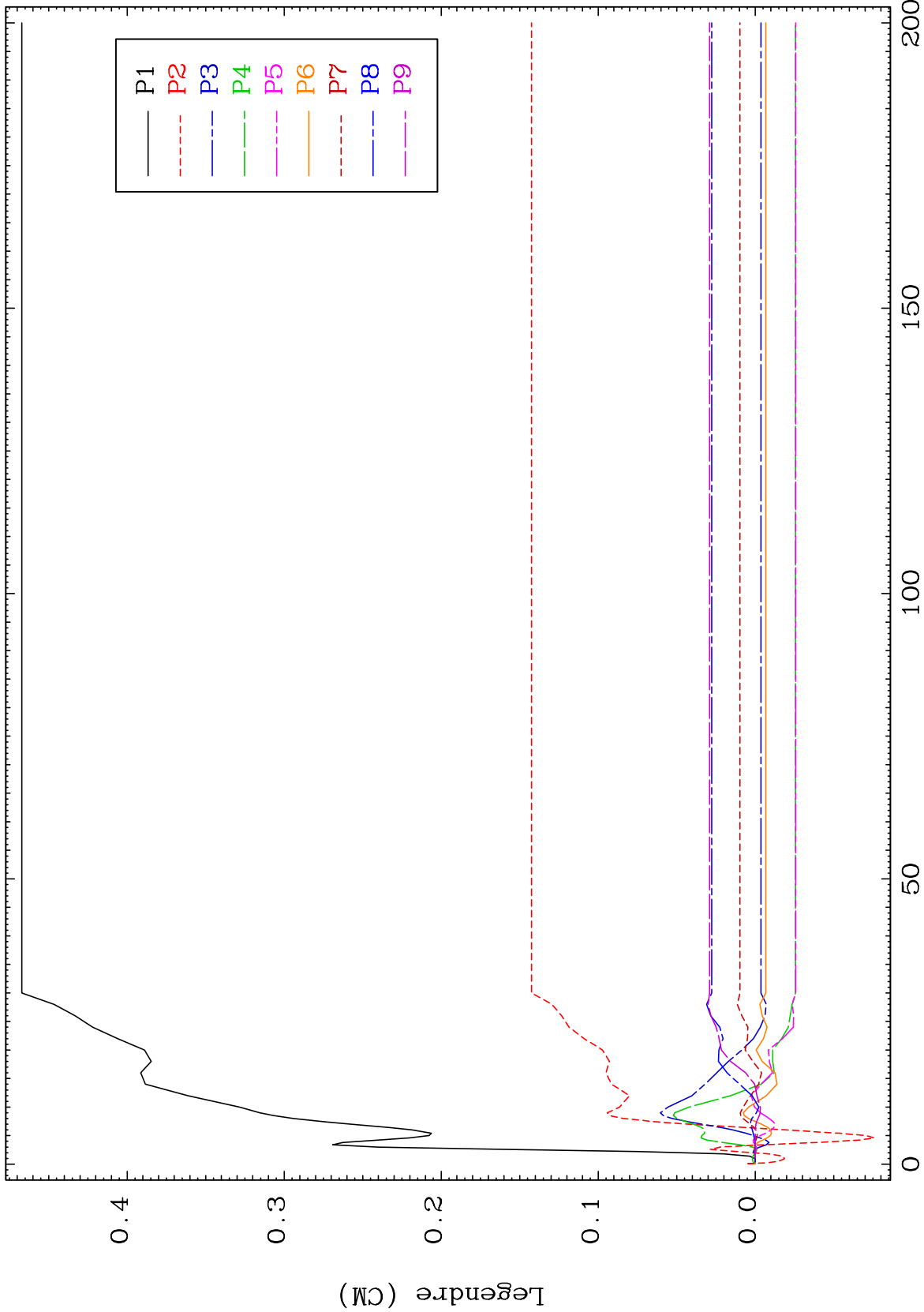


29

Incident Energy (MeV)

71-Lu-186

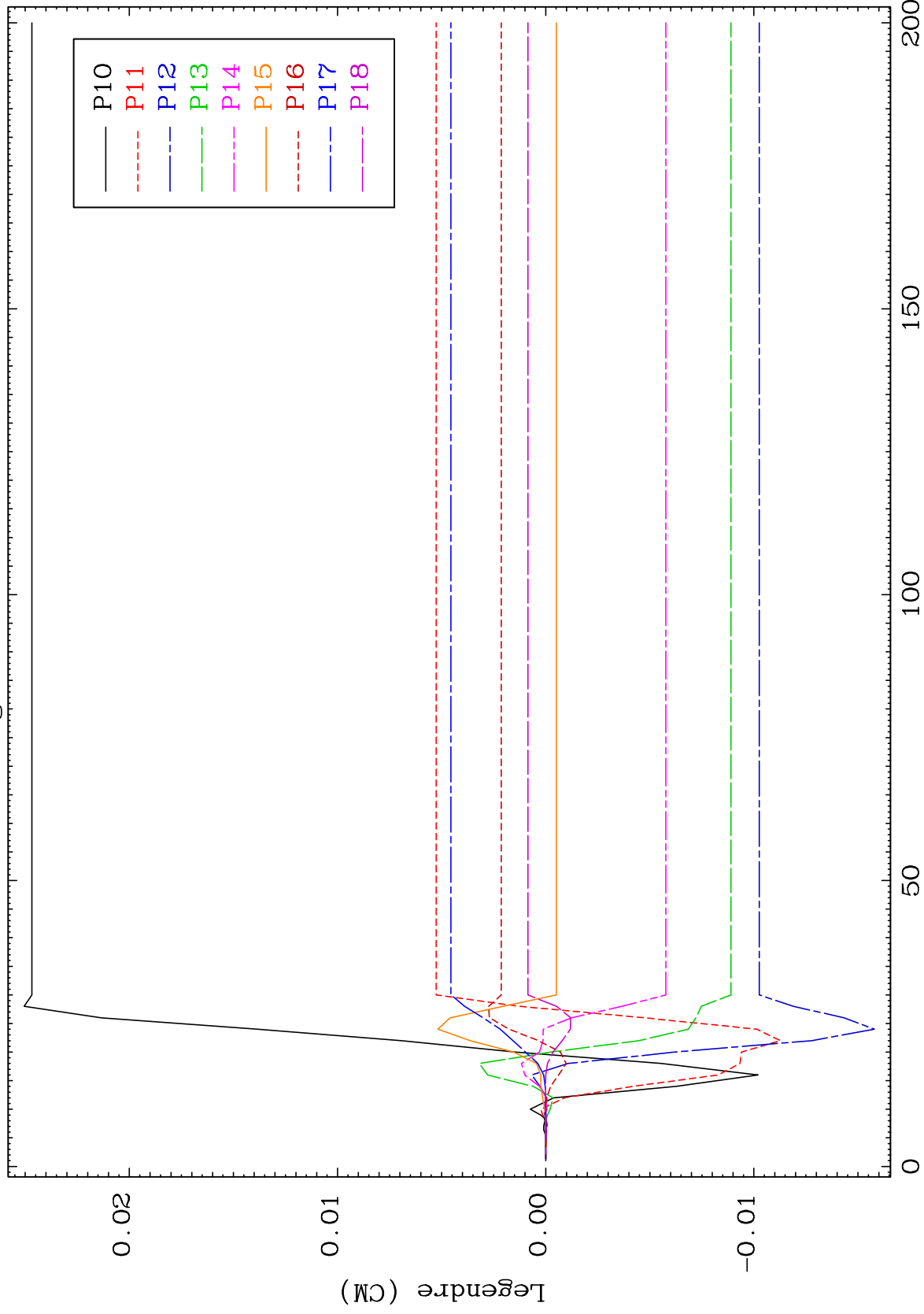




MAT 7158

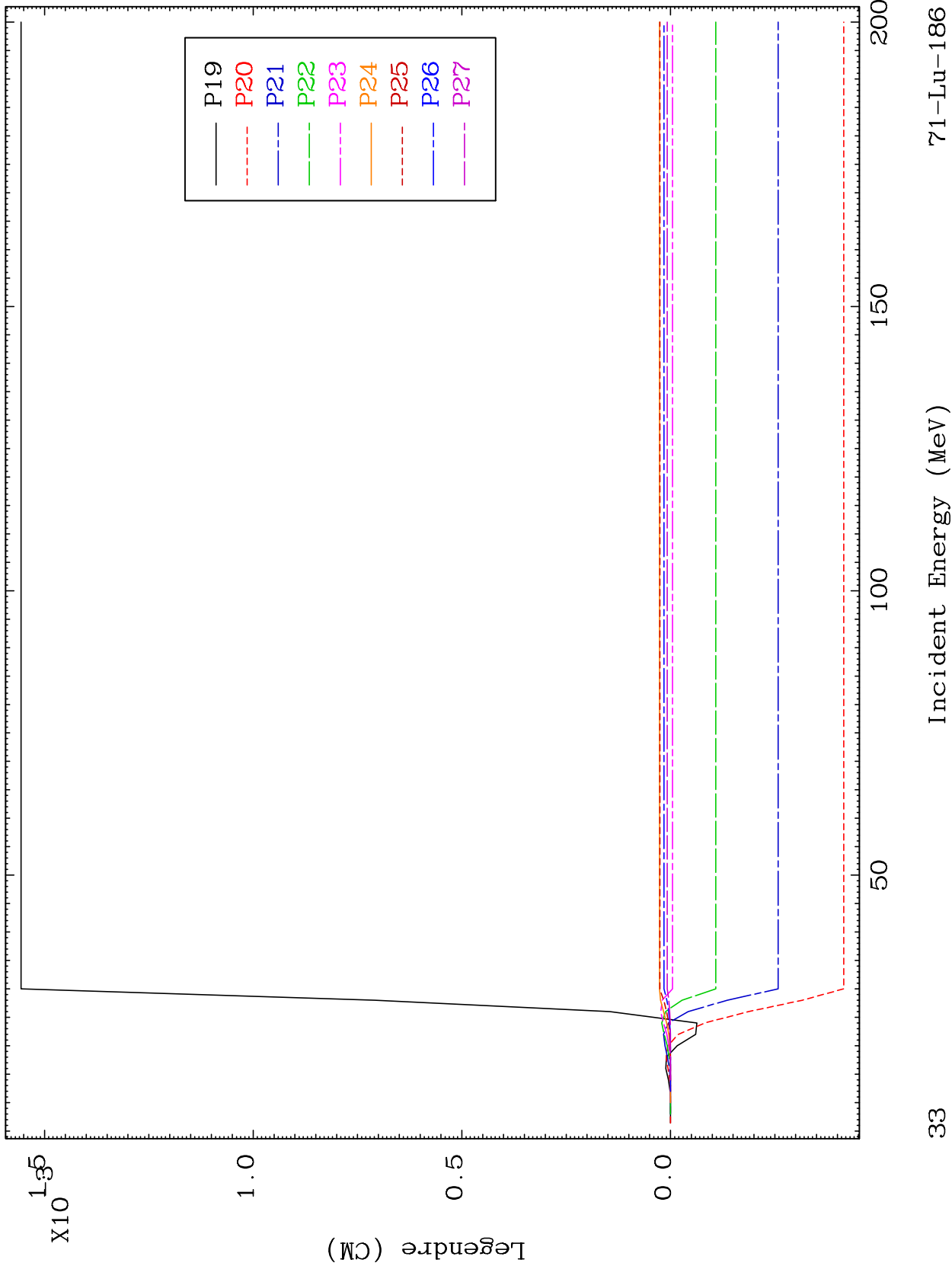
MT= 54 (n,n') Level
Legendre Coefficients

71-Lu-186



32

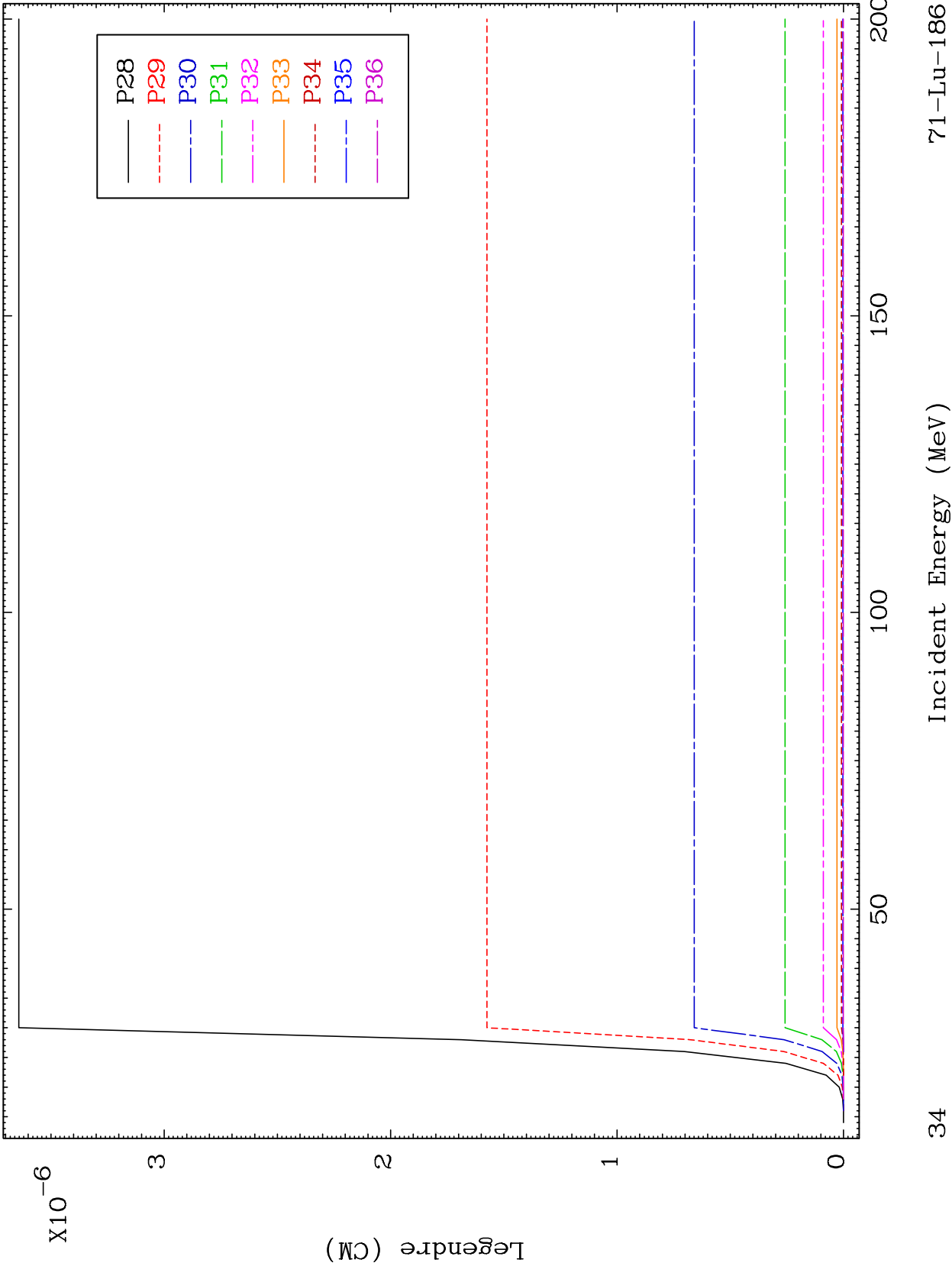
71-Lu-186



MAT 7158

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

71-Lu-186



34

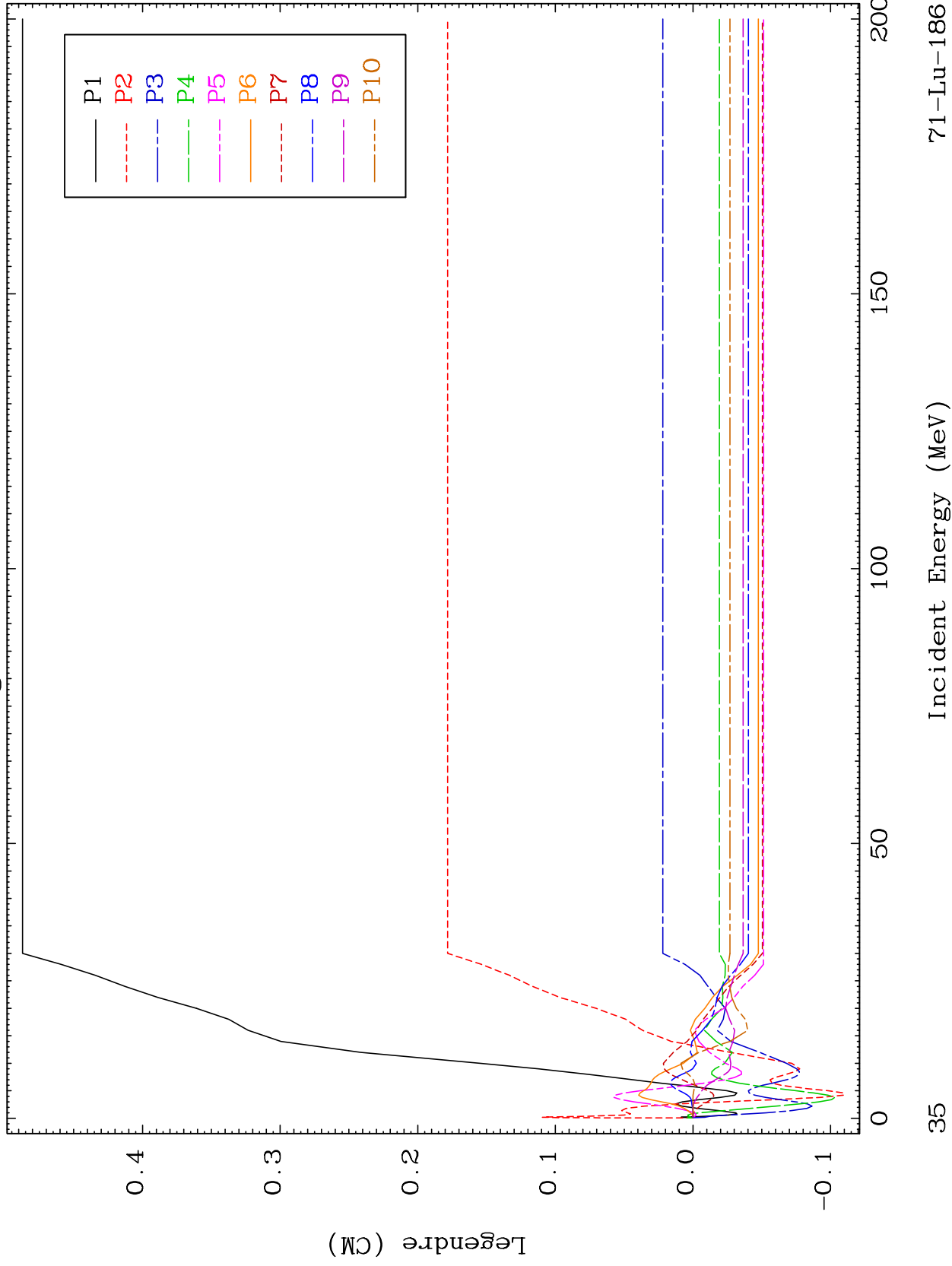
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



71-Lu-186

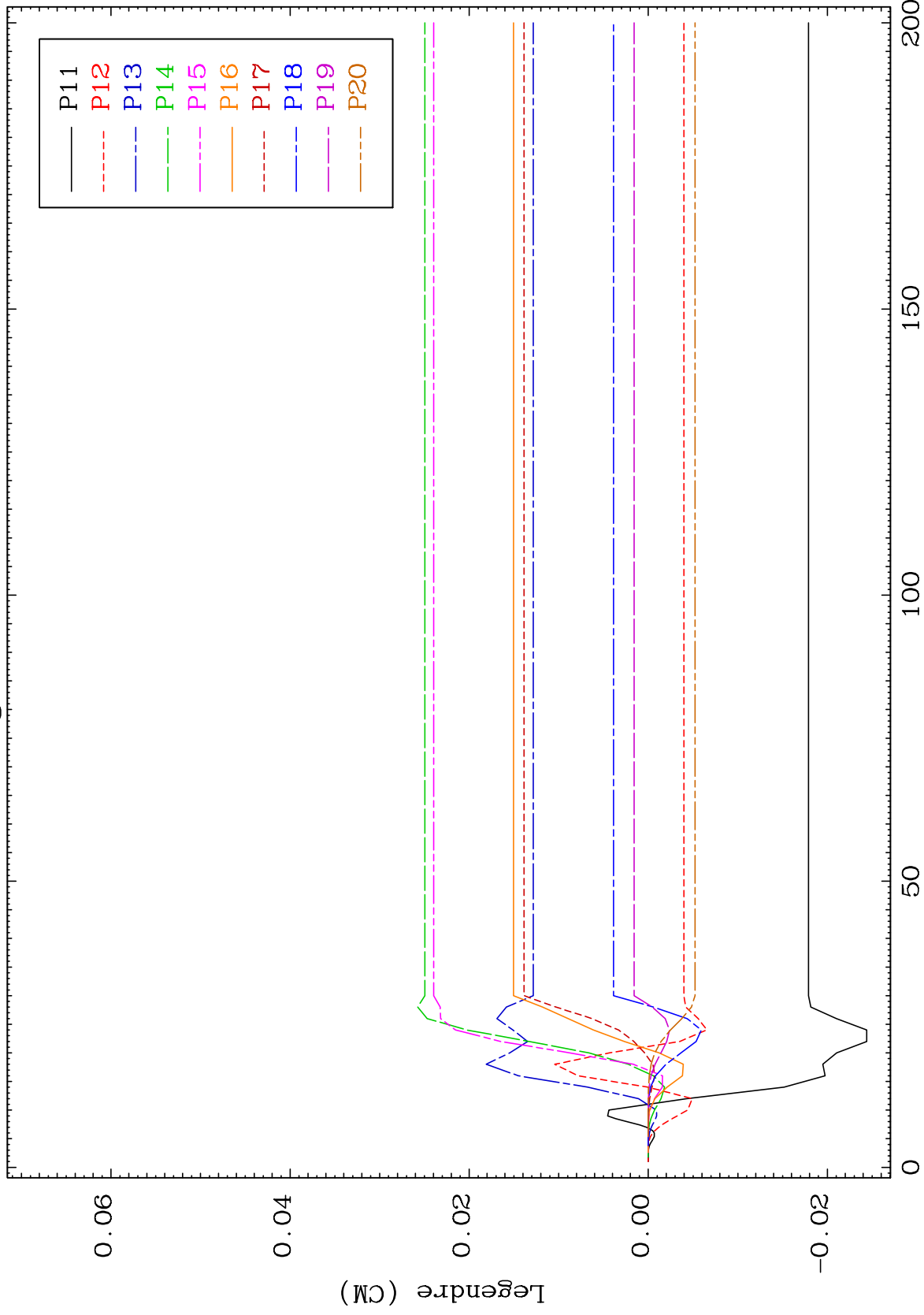
Incident Energy (MeV)

35

MAT 7158

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

71-Lu-186



36

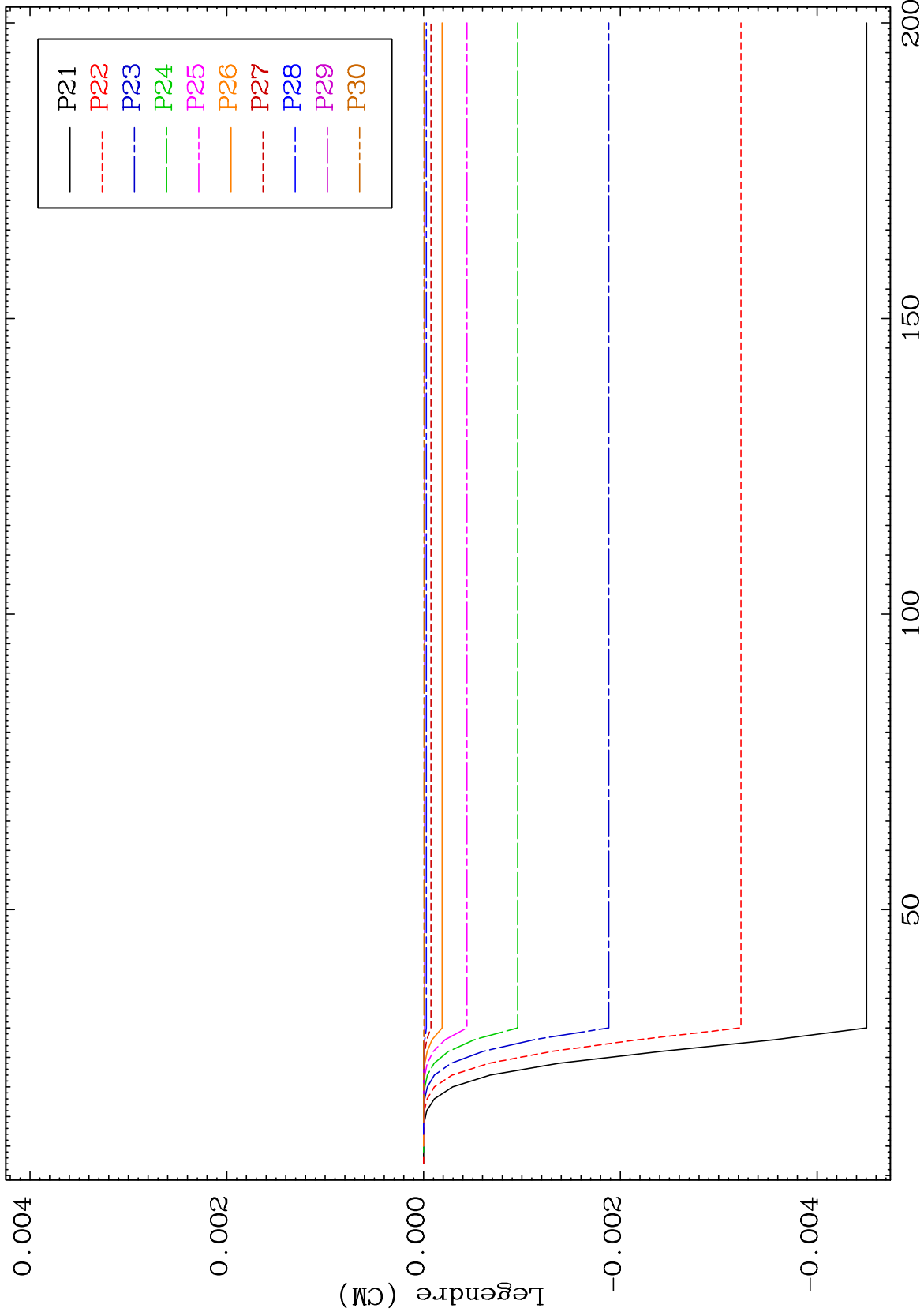
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186

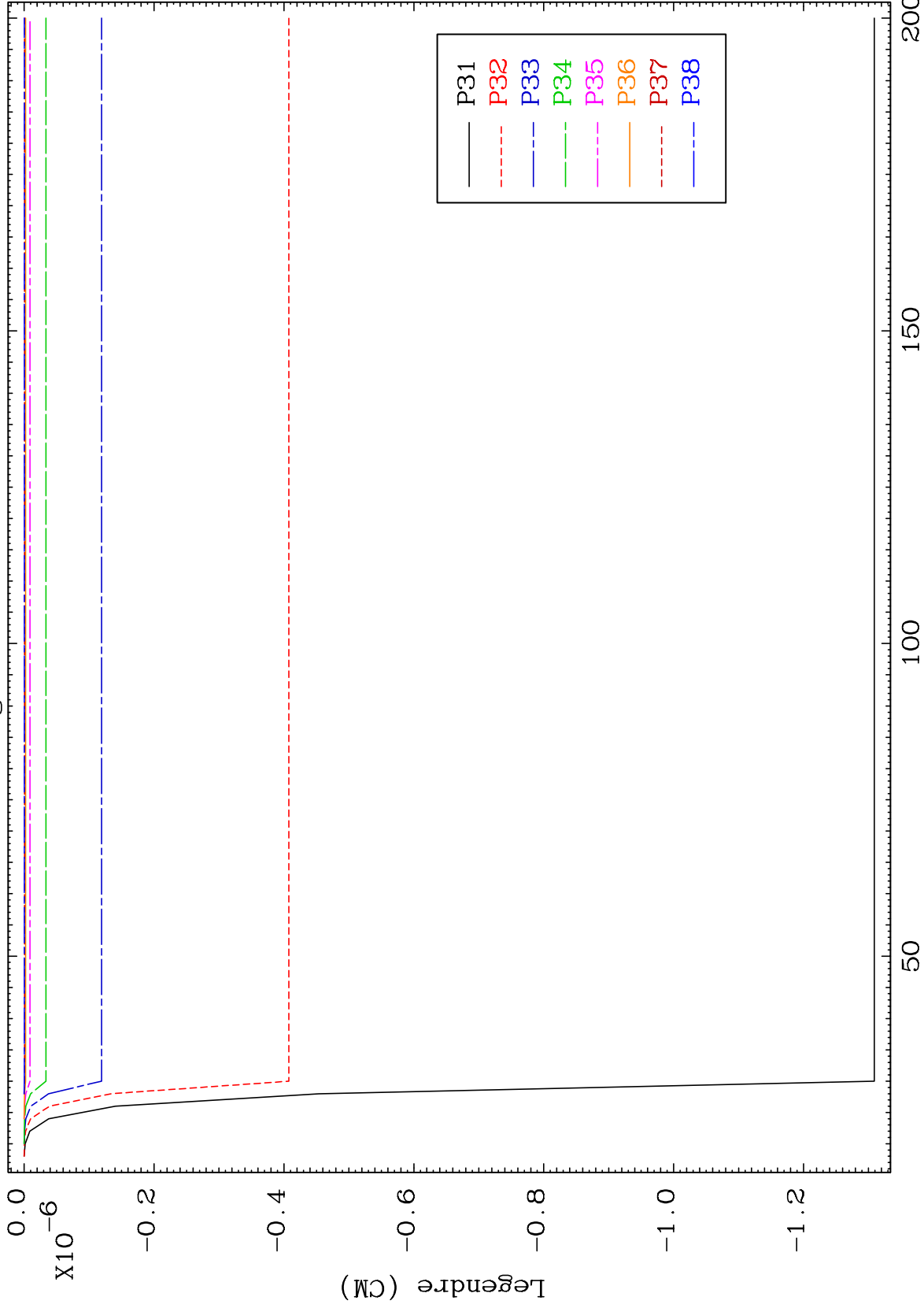


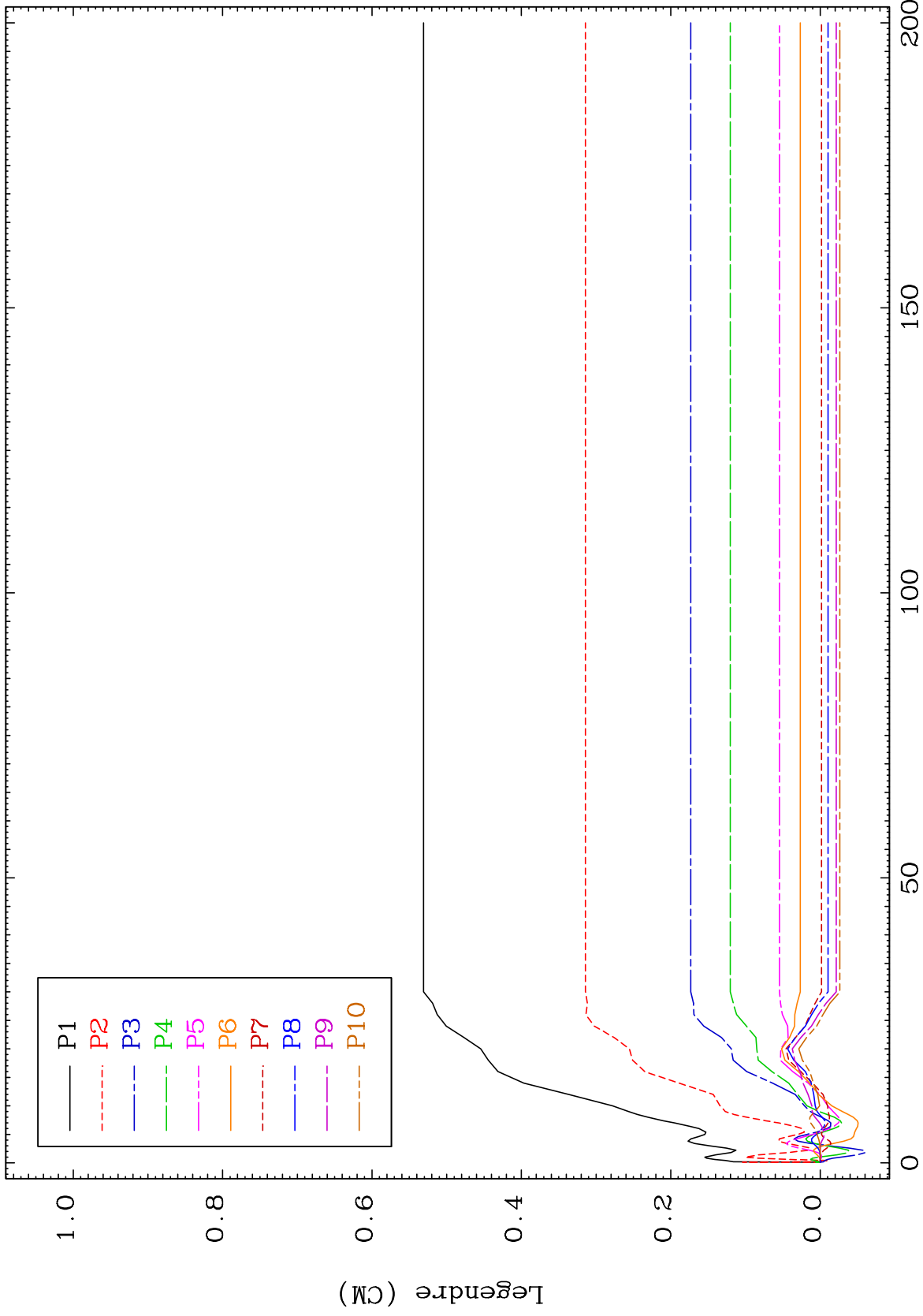
37

Incident Energy (MeV)

71-Lu-186

Legendre Coefficients

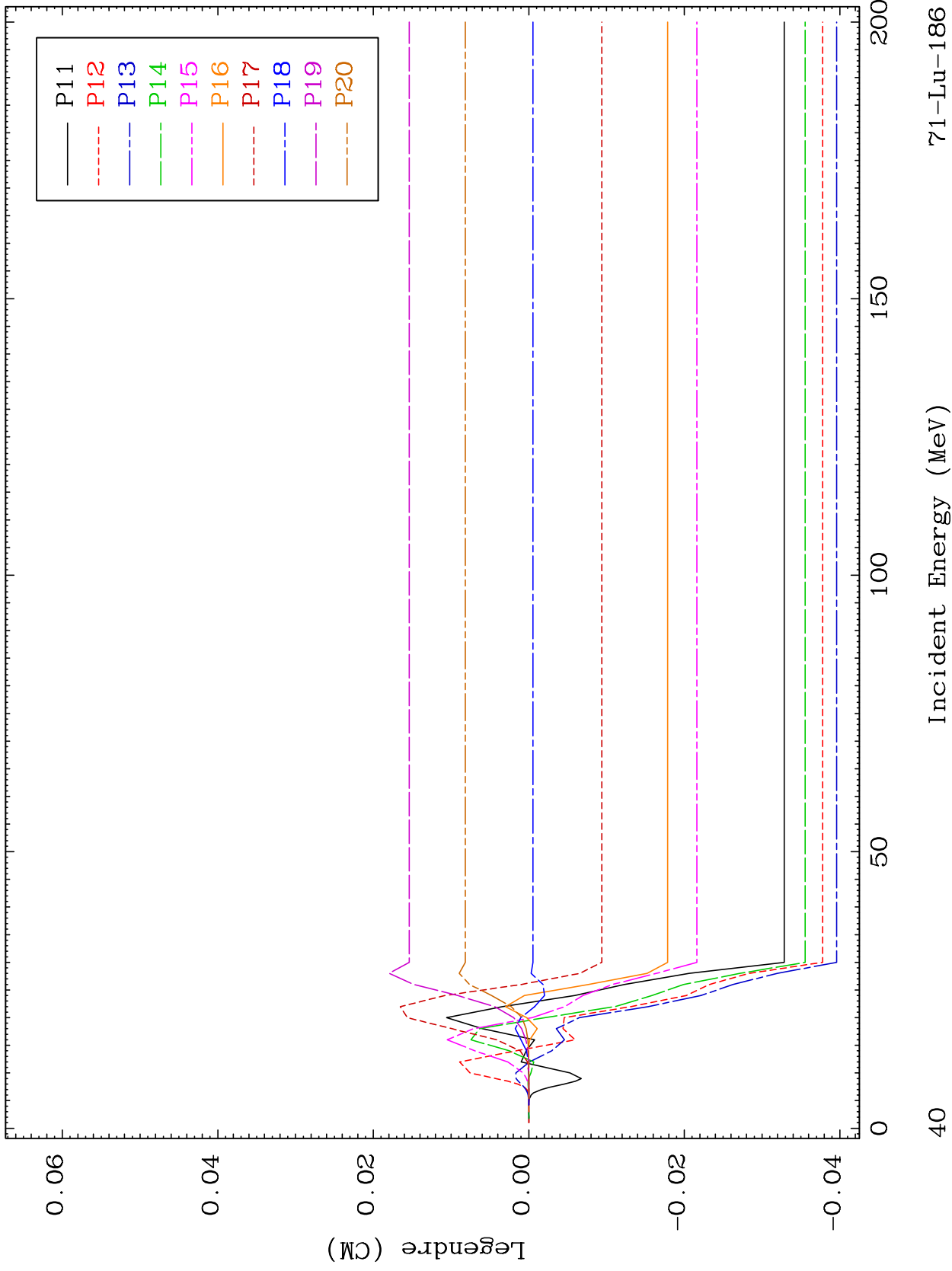


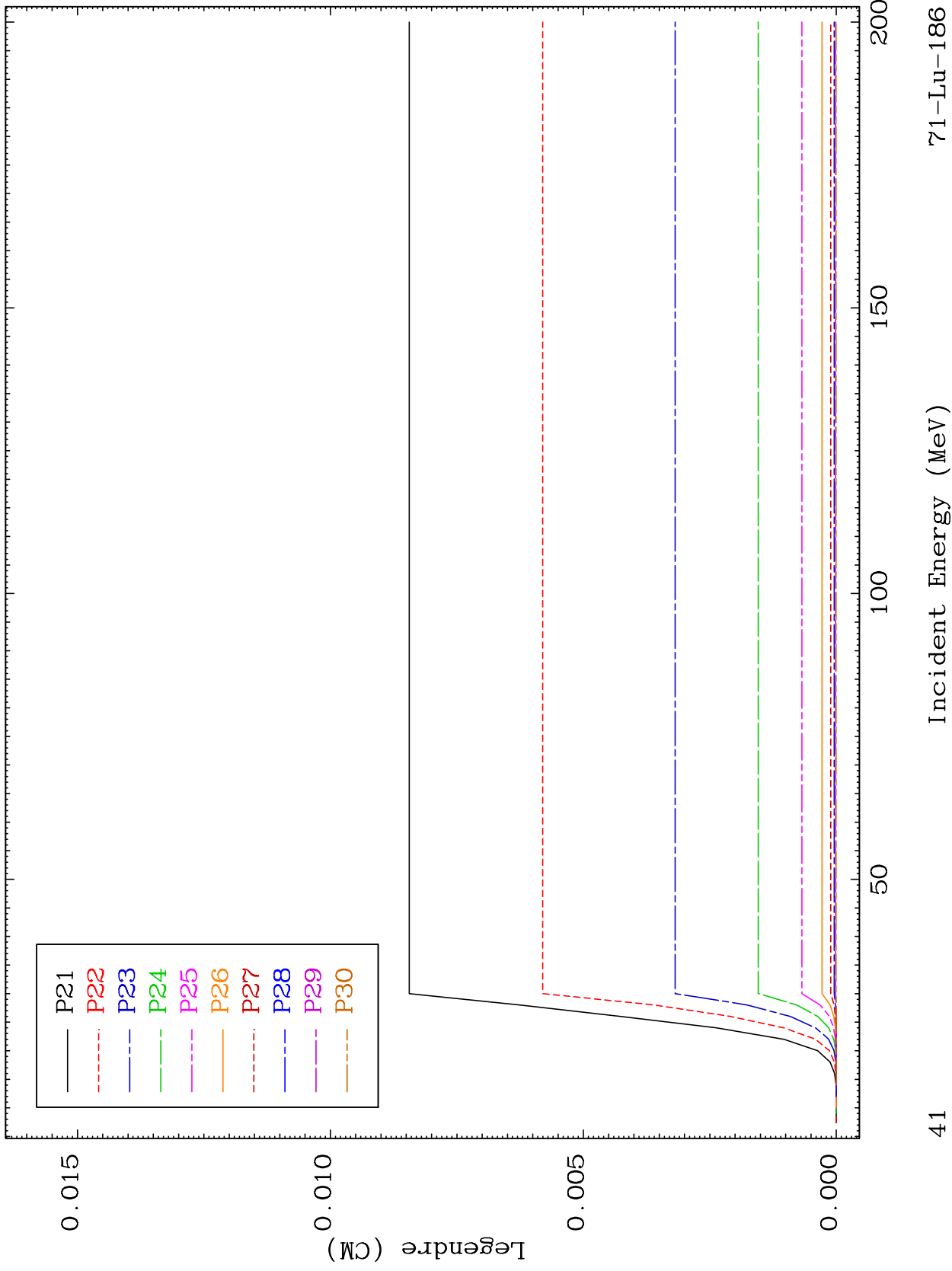


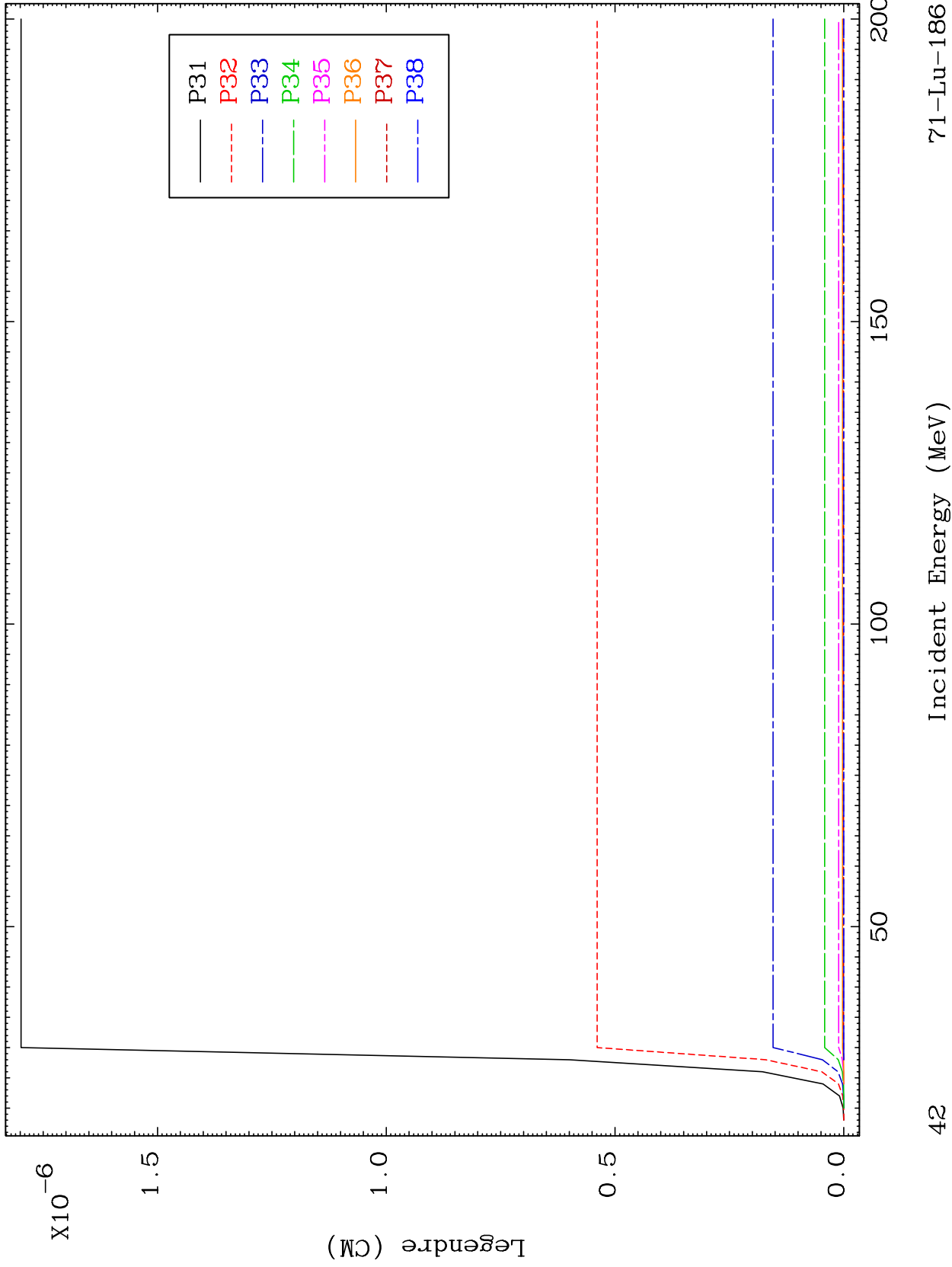
MAT 7158

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

71-Lu-186



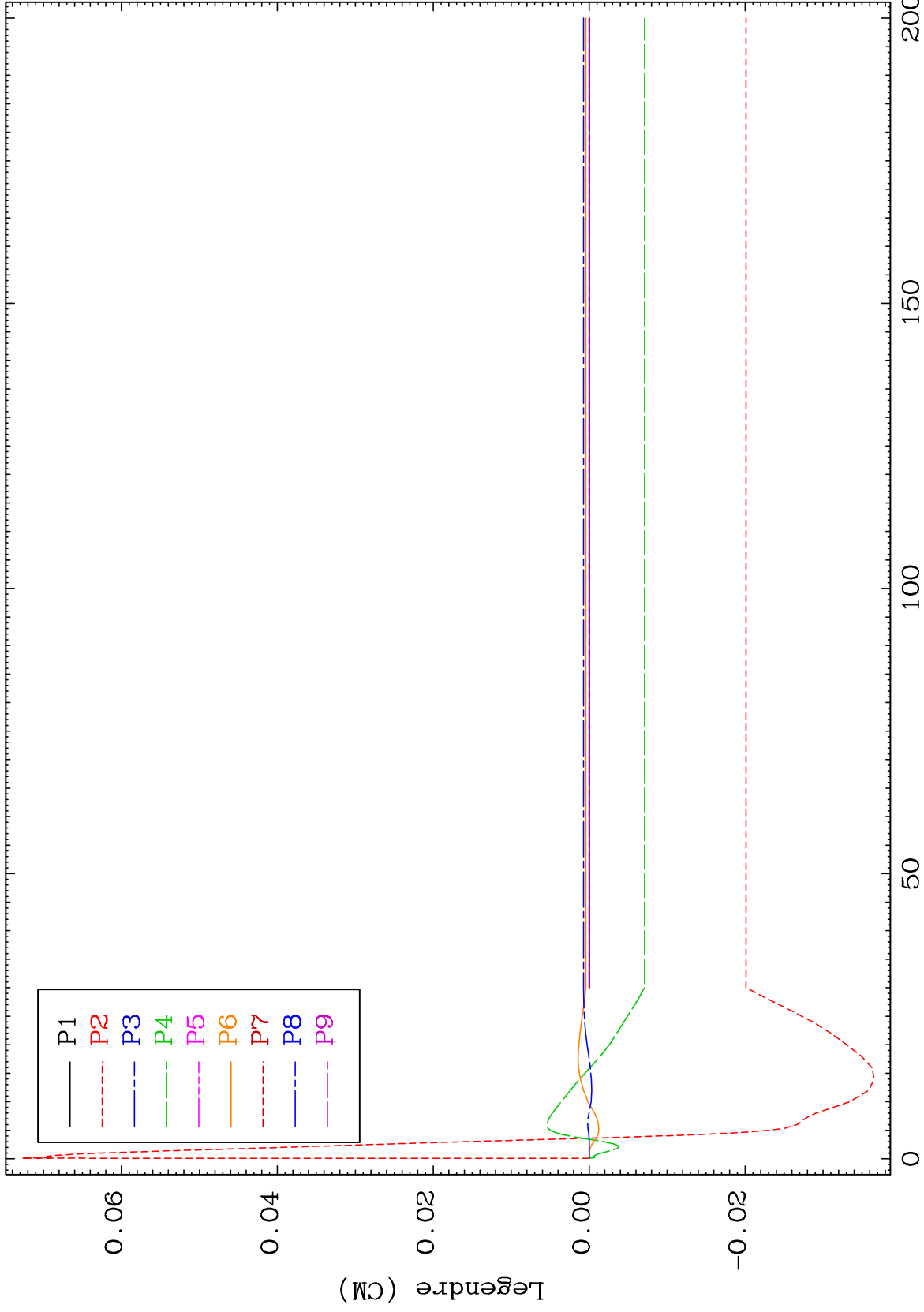




MAT 7158

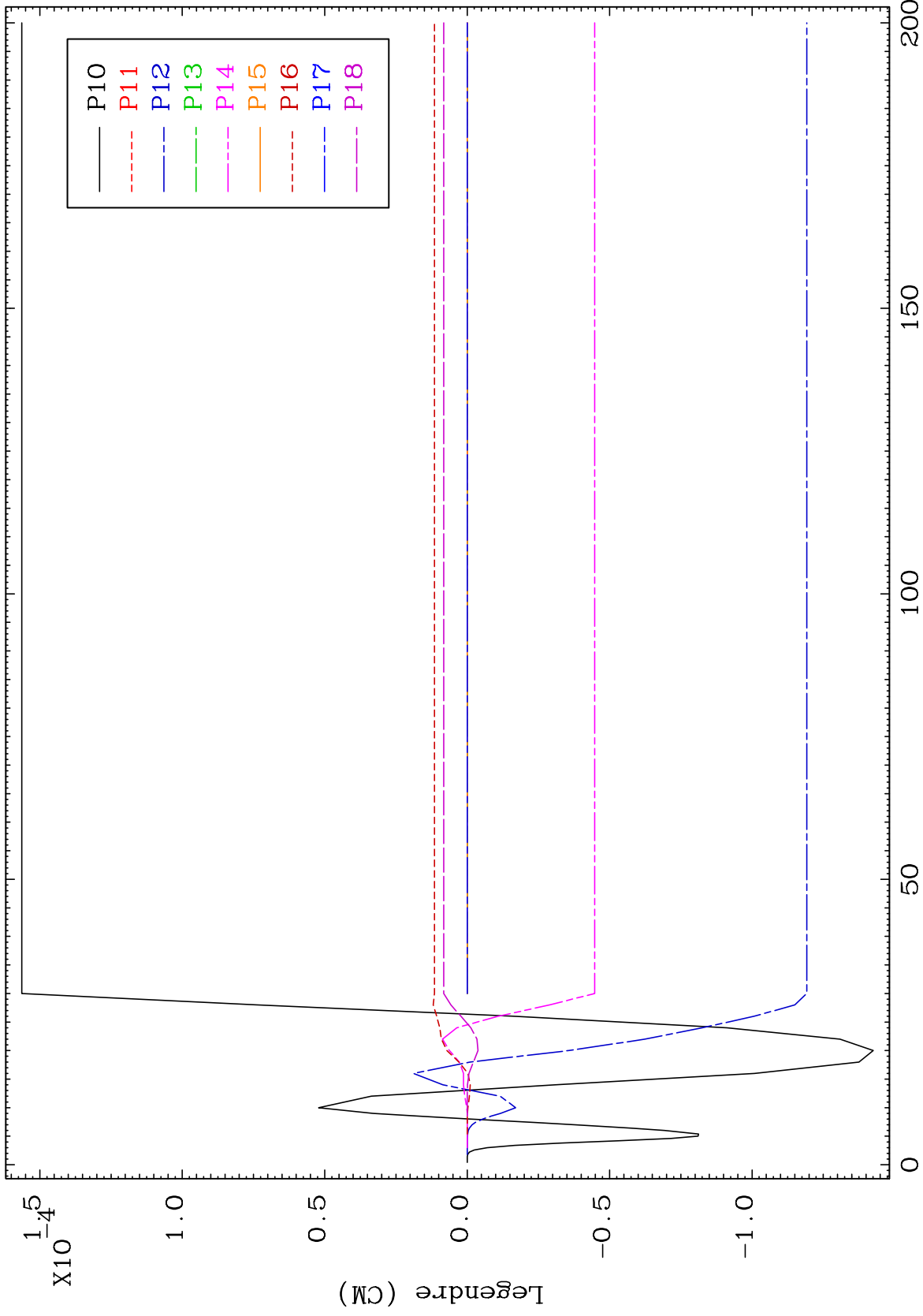
MT= 57 (n,n') Level
Legendre Coefficients

71-Lu-186



43

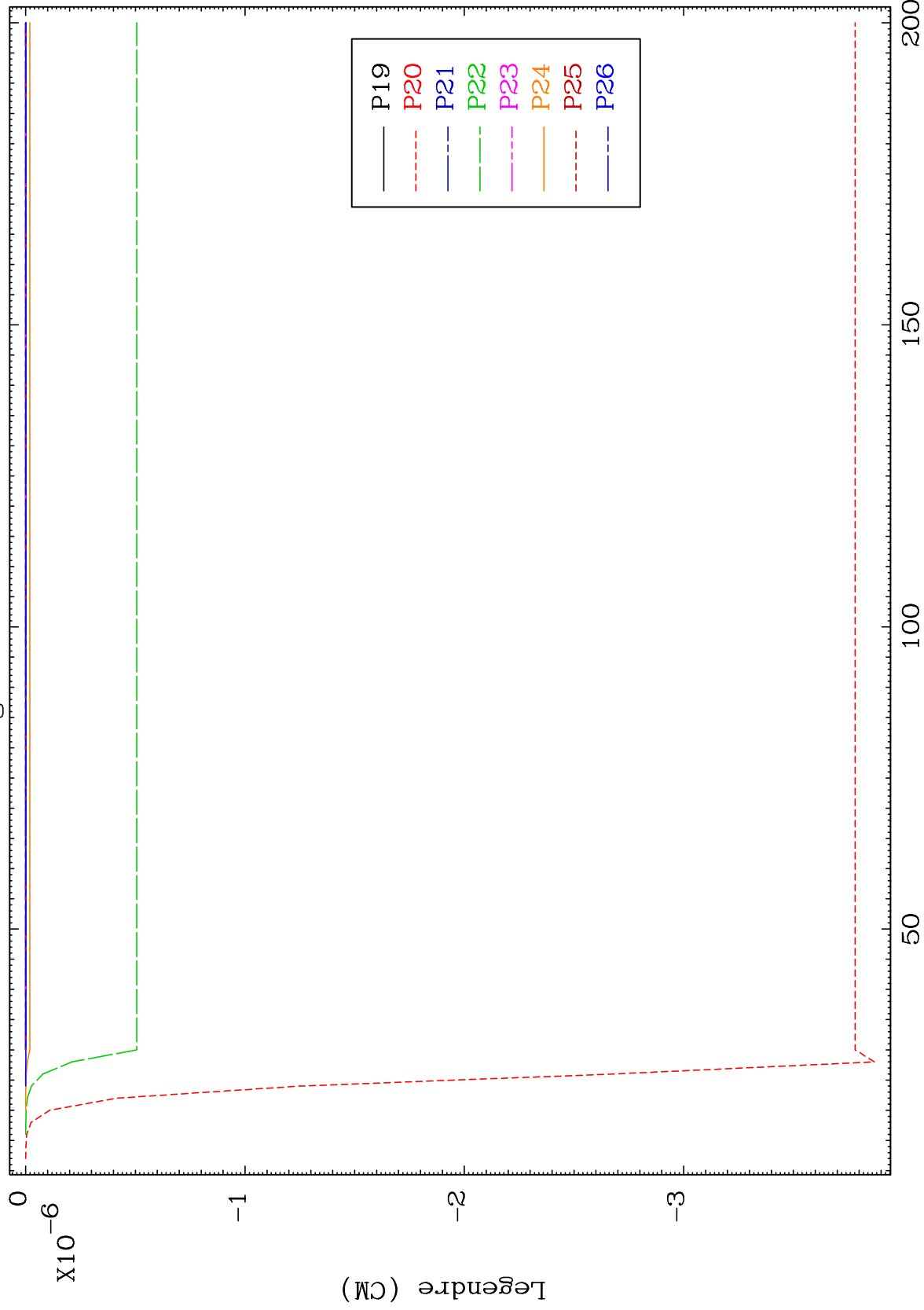
71-Lu-186



MAT 7158

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

71-Lu-186



45

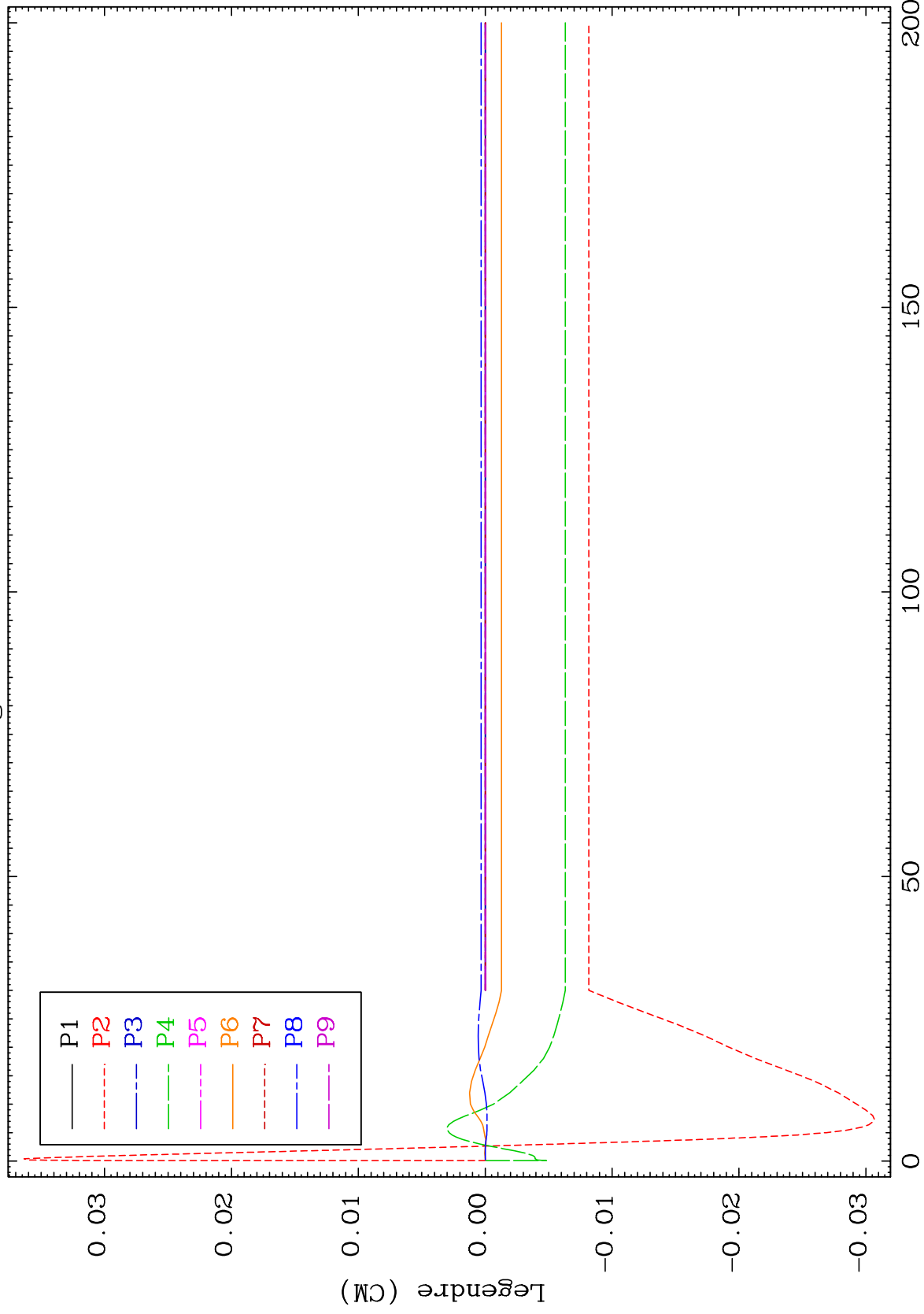
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



46

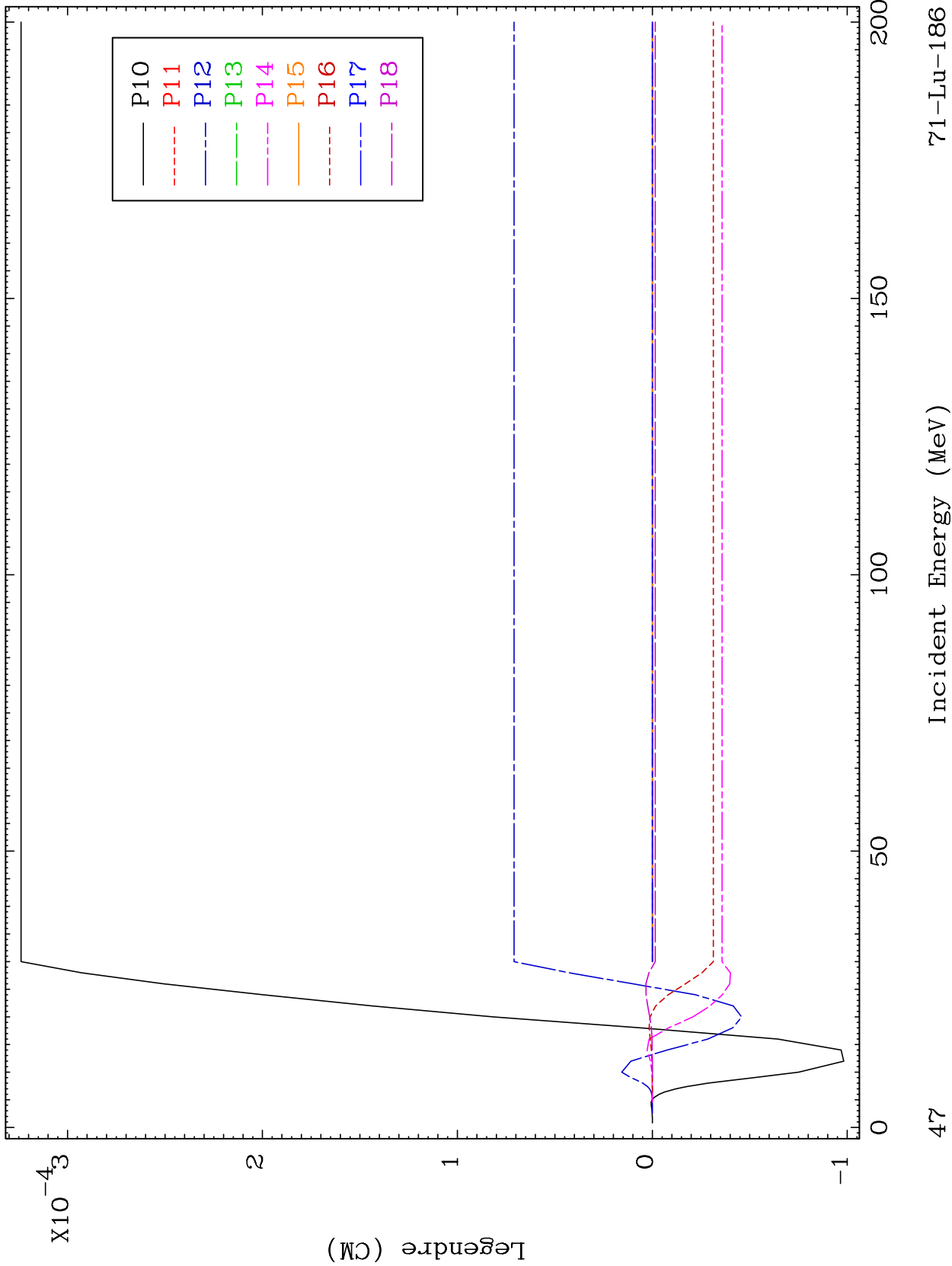
Incident Energy (MeV)

71-Lu-186

MAT 7158

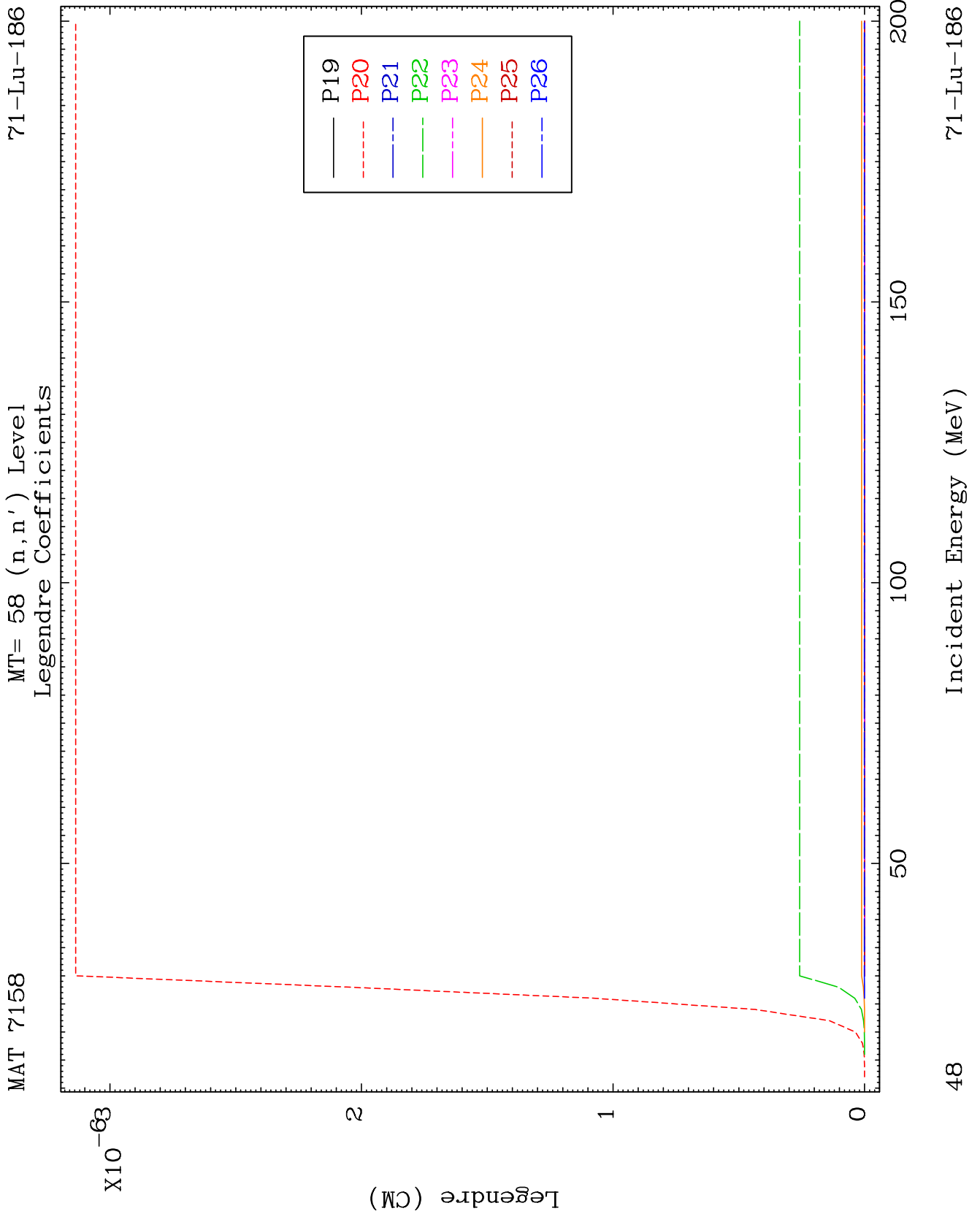
MT= 58 (n,n') Level
Legendre Coefficients

71-Lu-186



47

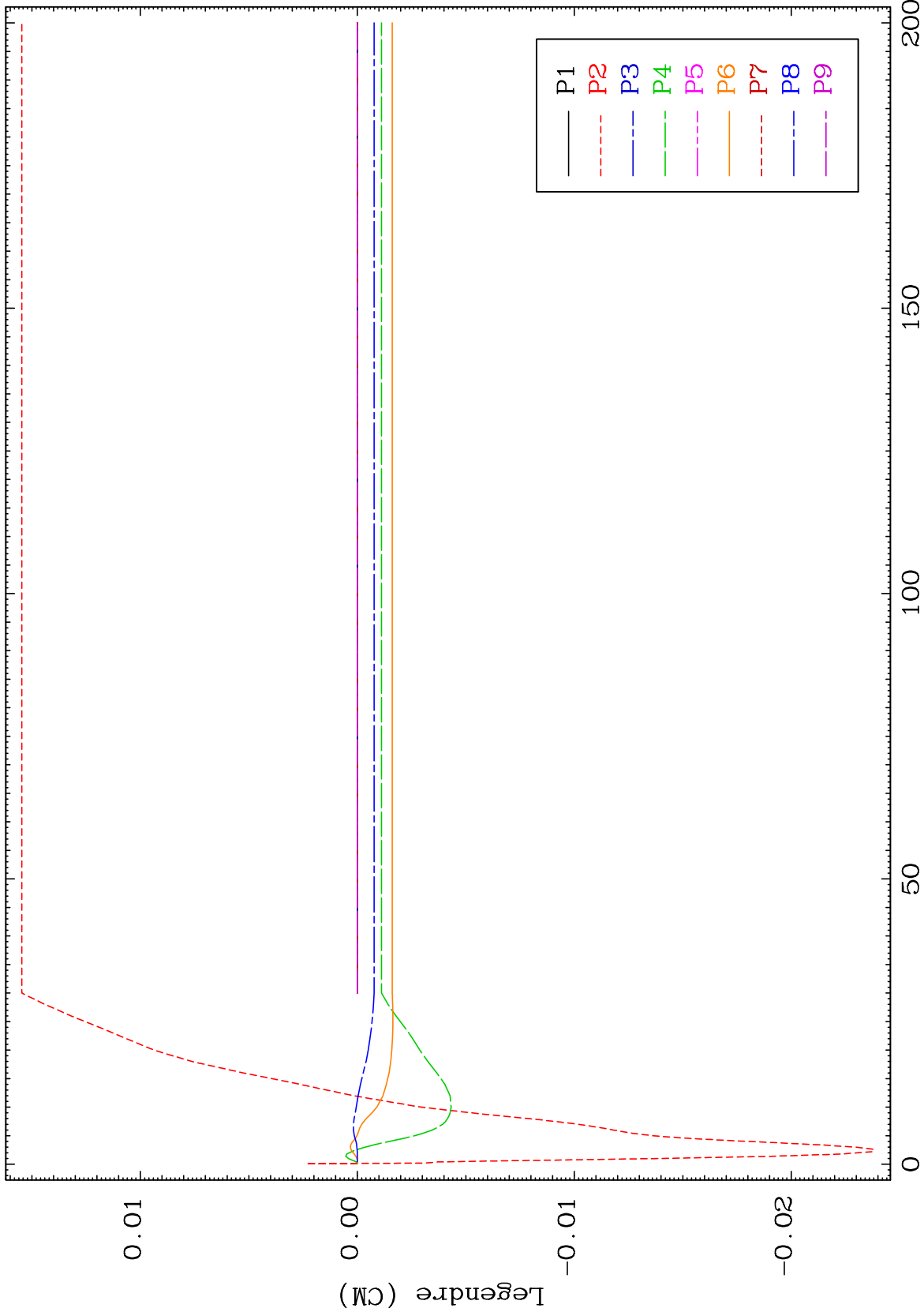
71-Lu-186



MAT 7158

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

71-Lu-186



49

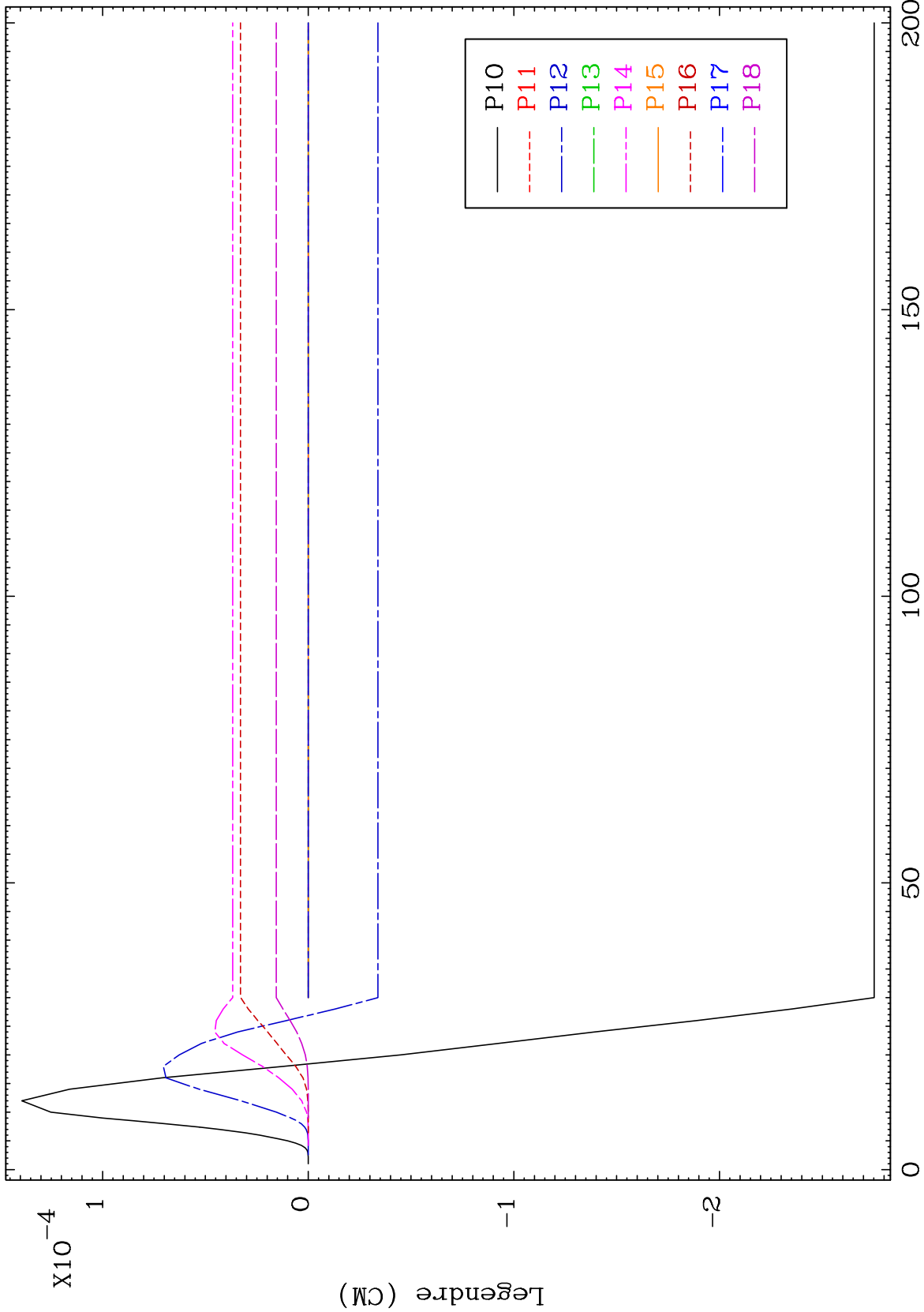
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

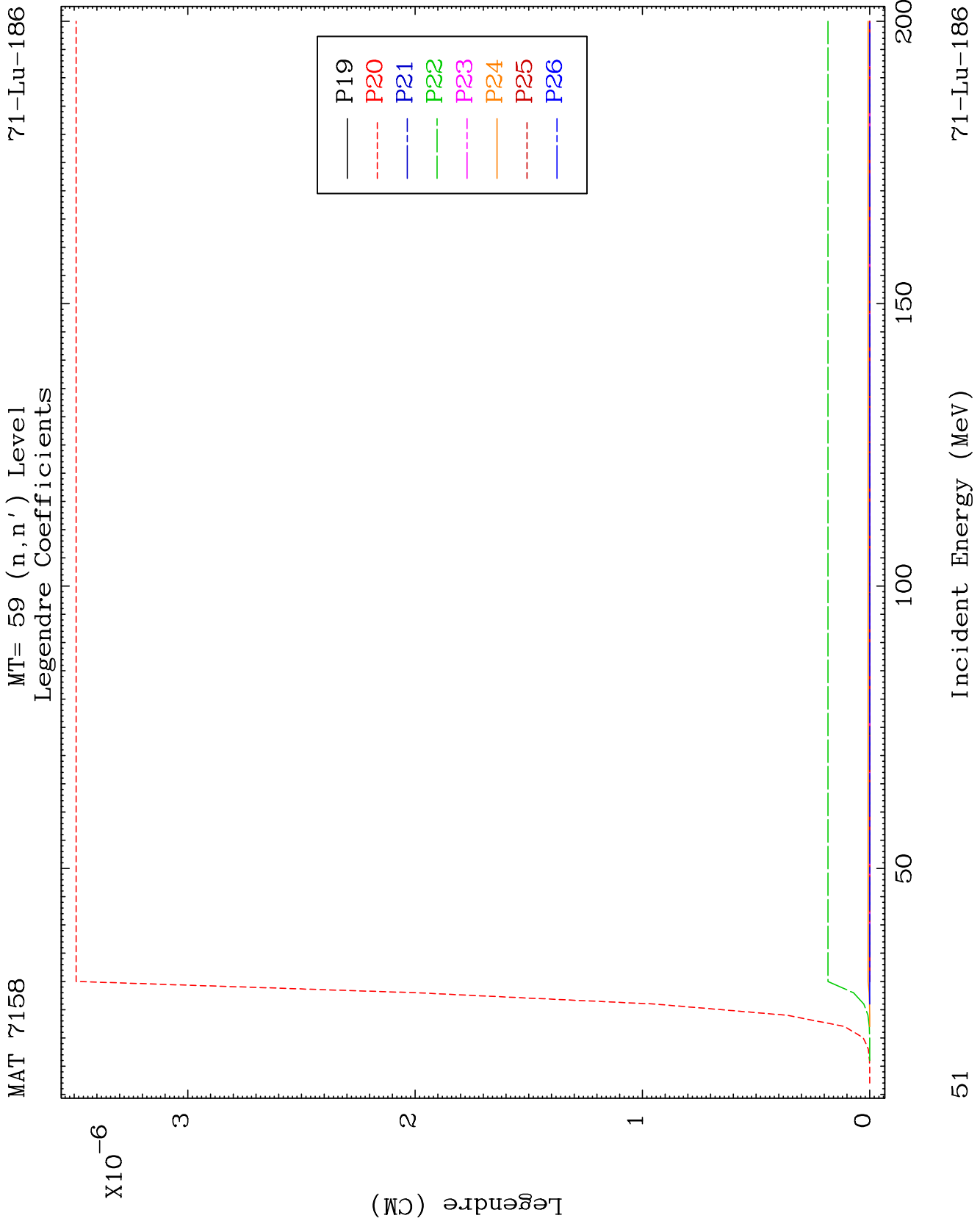
71-Lu-186



50

Incident Energy (MeV)

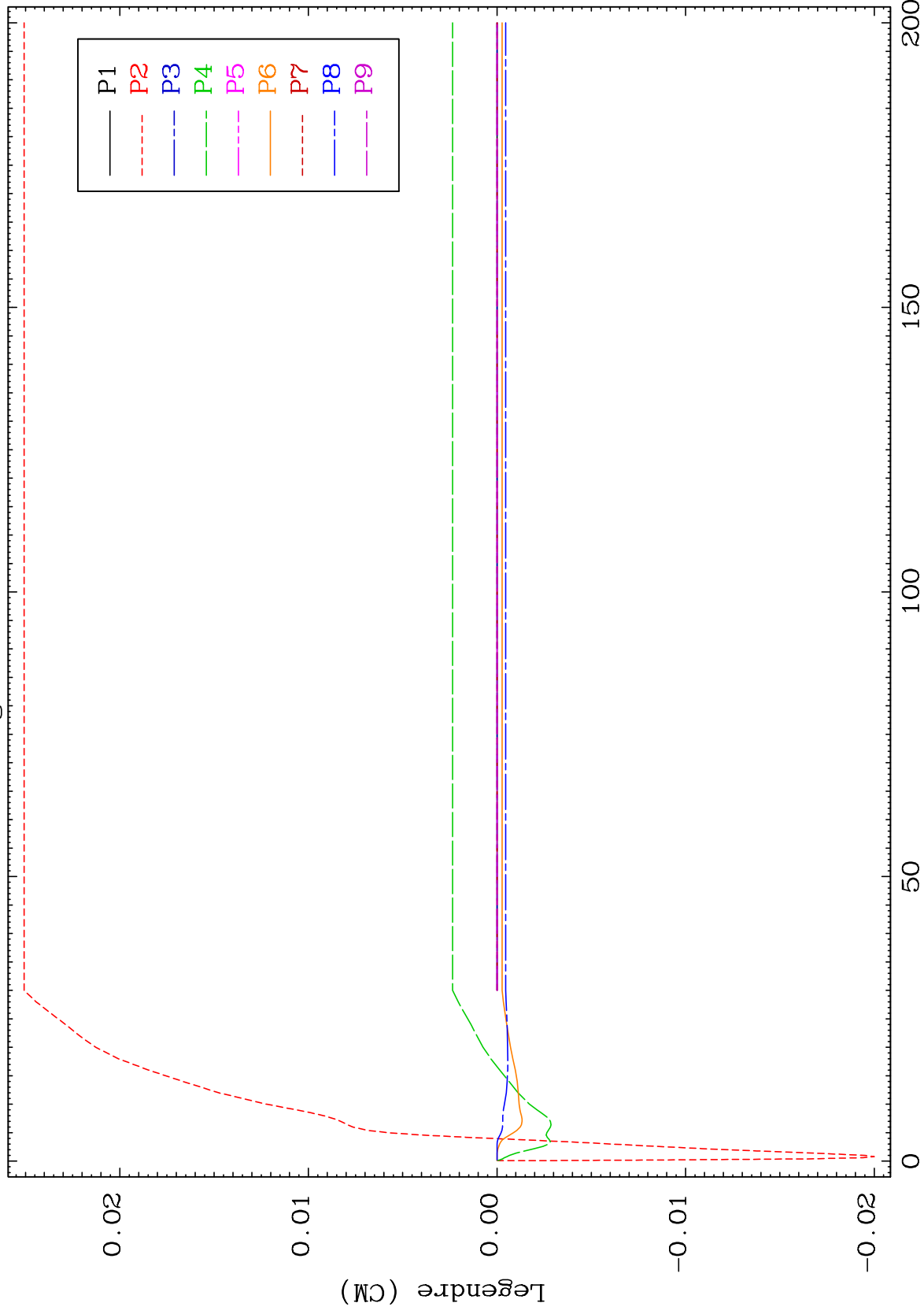
71-Lu-186



MAT 7158

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

71-Lu-186



52

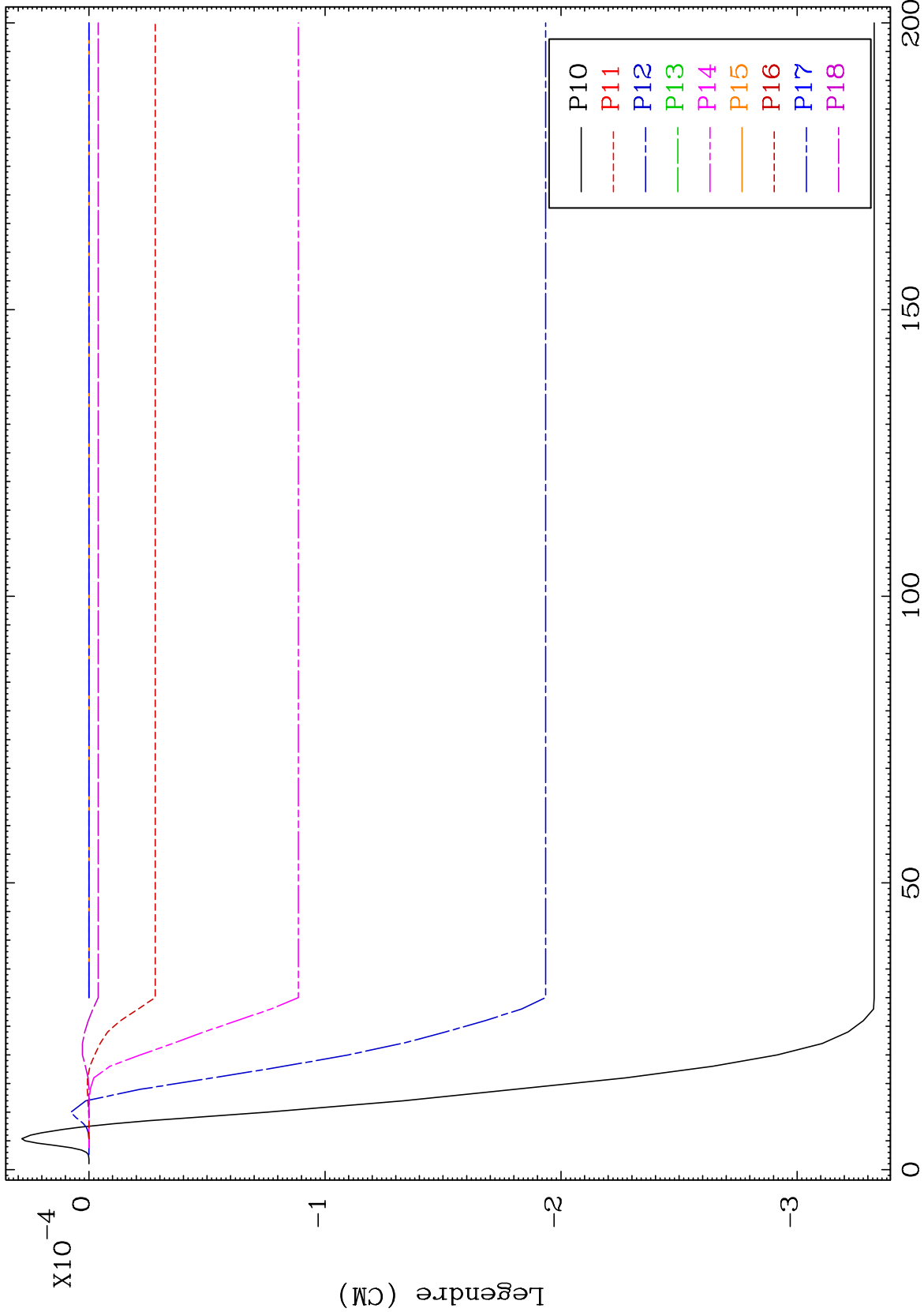
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

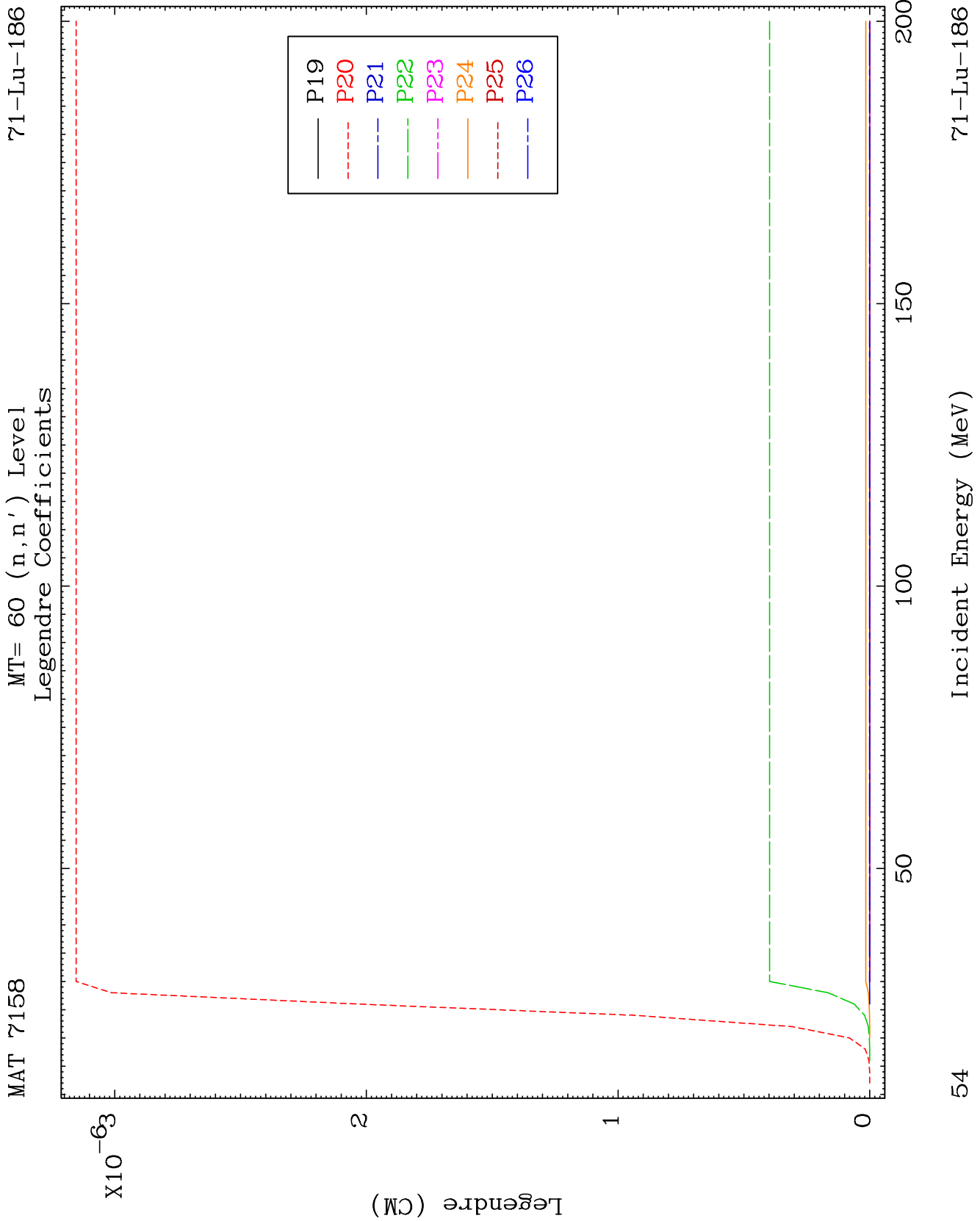
71-Lu-186



53

Incident Energy (MeV)

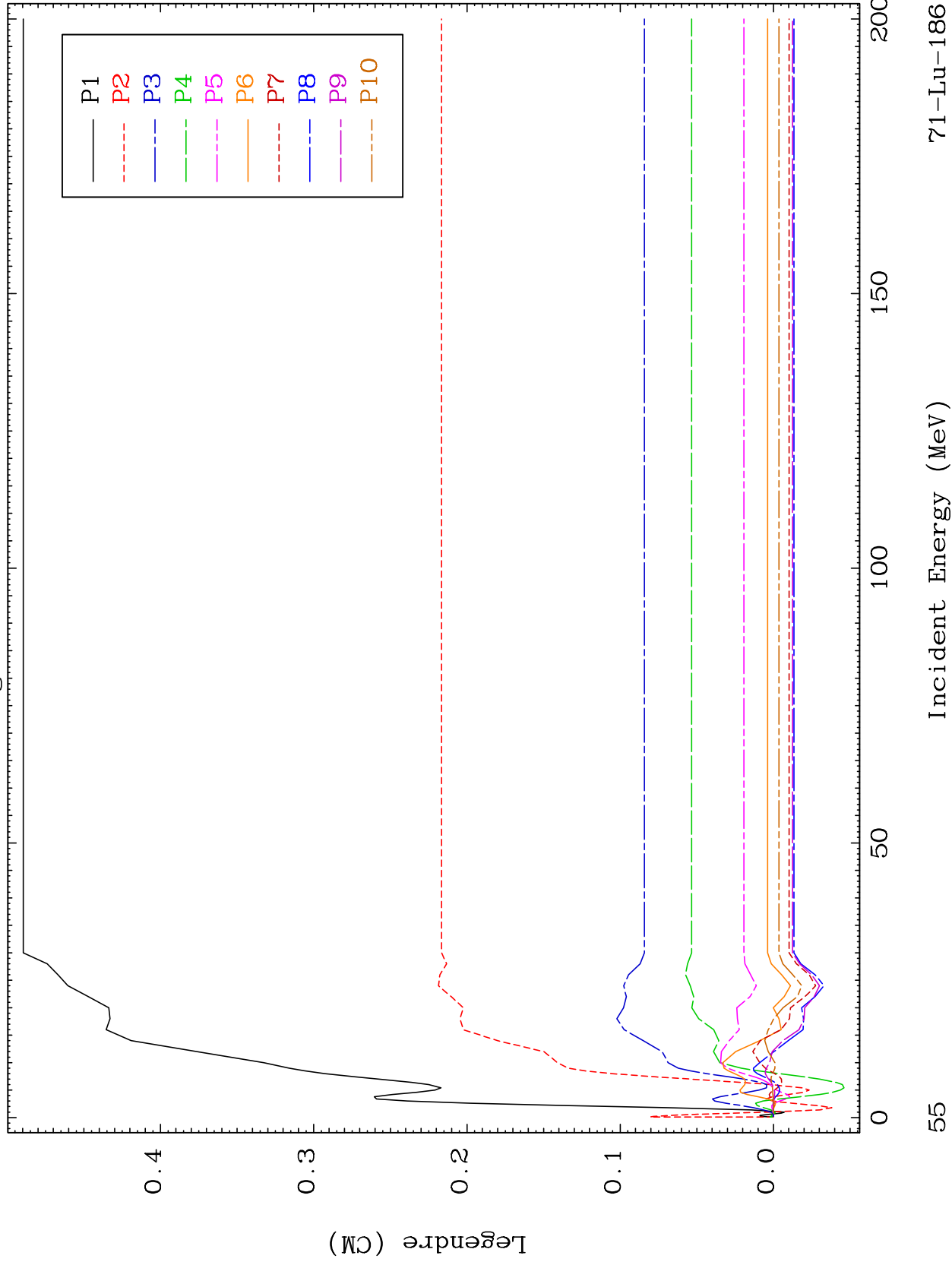
71-Lu-186



MAT 7158

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

71-Lu-186



71-Lu-186

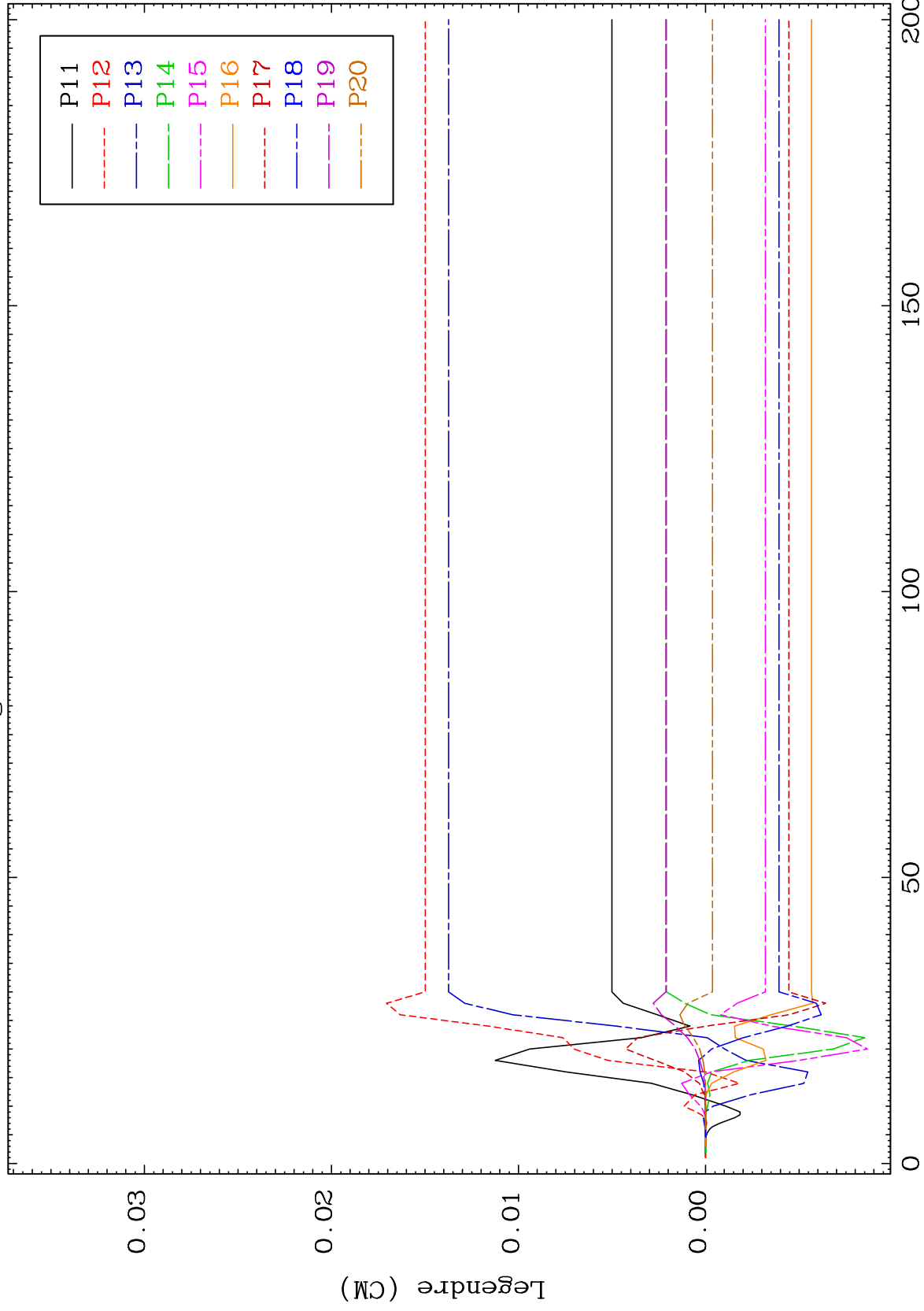
Incident Energy (MeV)

55

MAT 7158

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

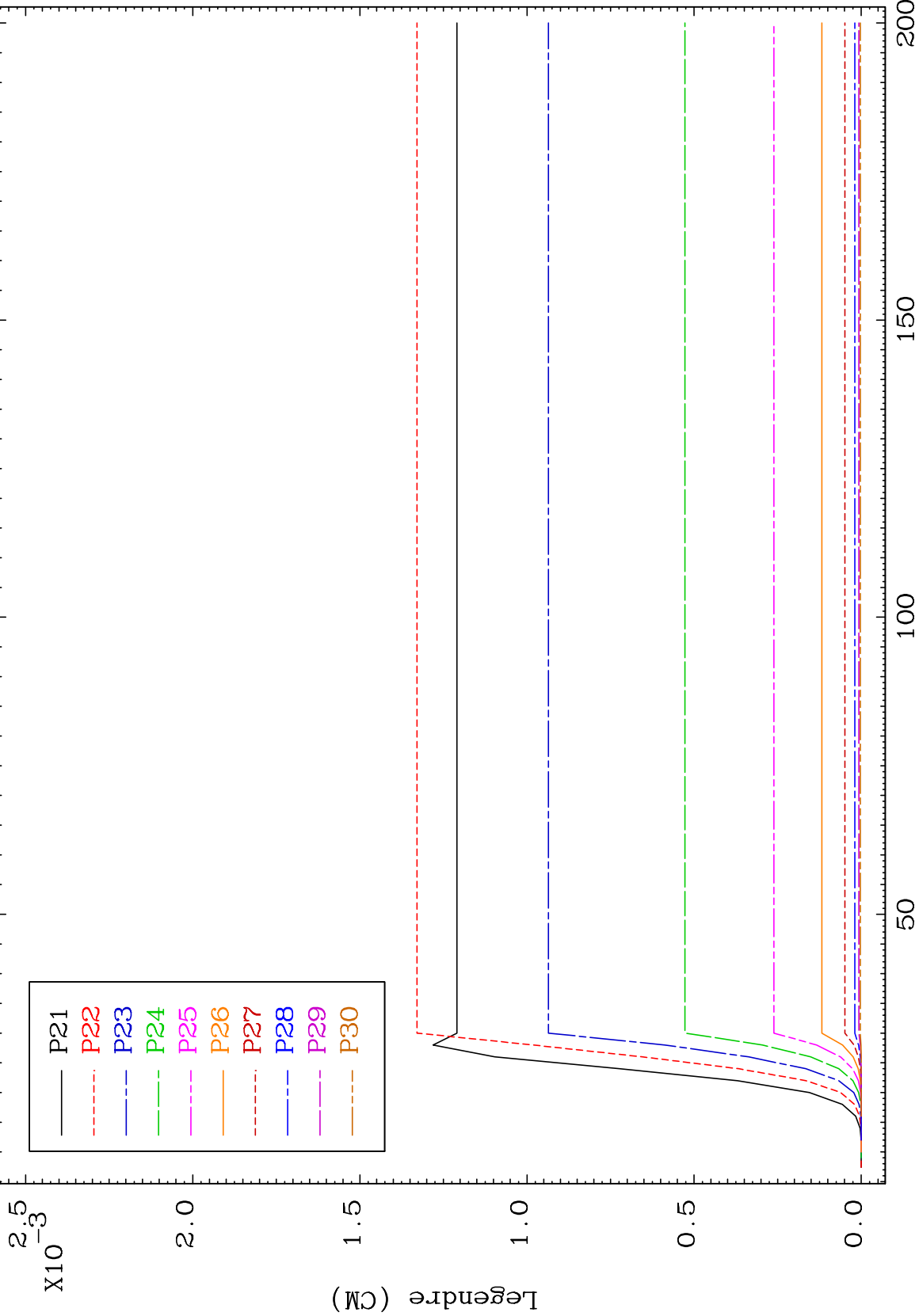
71-Lu-186



56

Incident Energy (MeV)

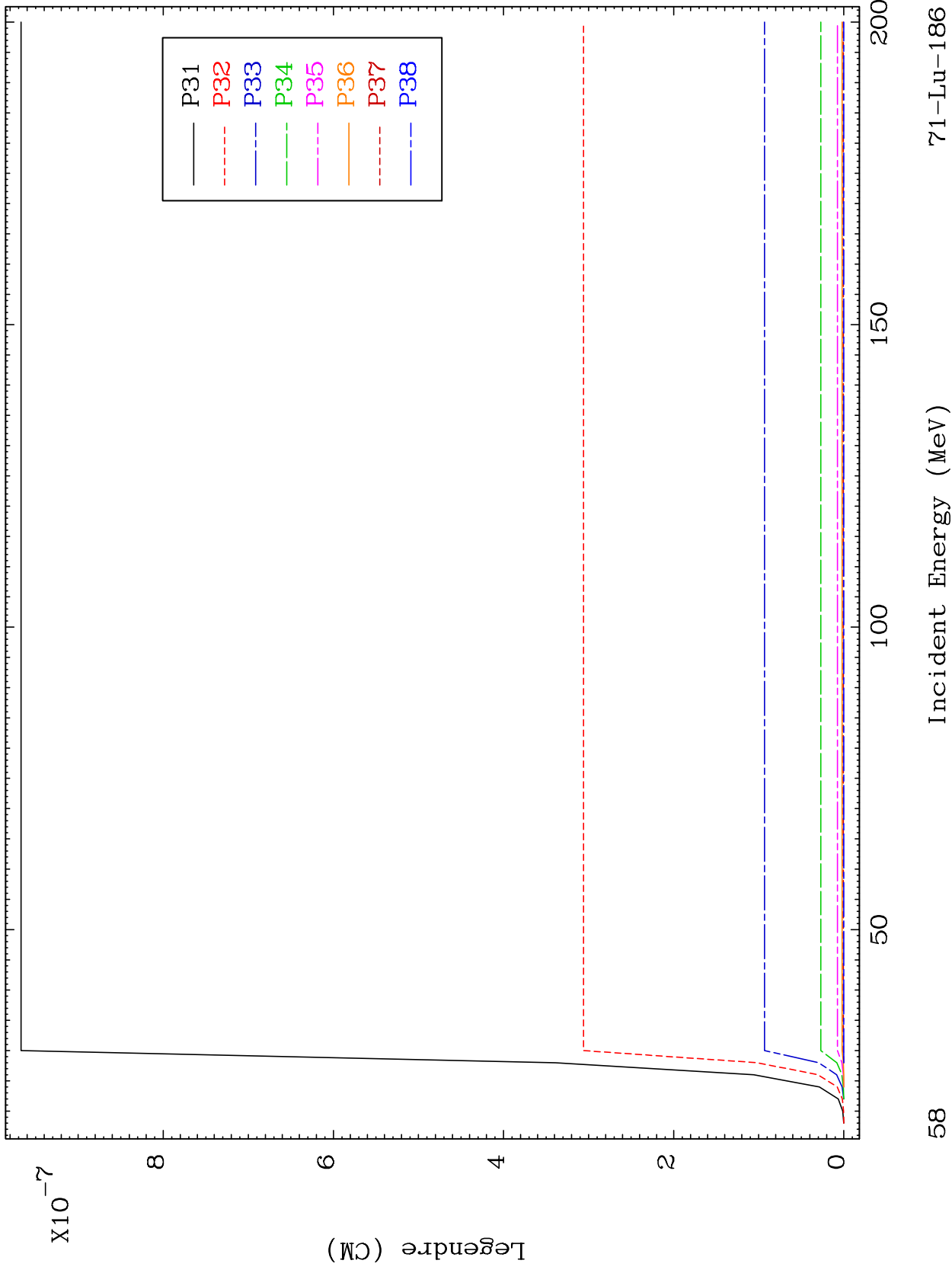
71-Lu-186



MAT 7158

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

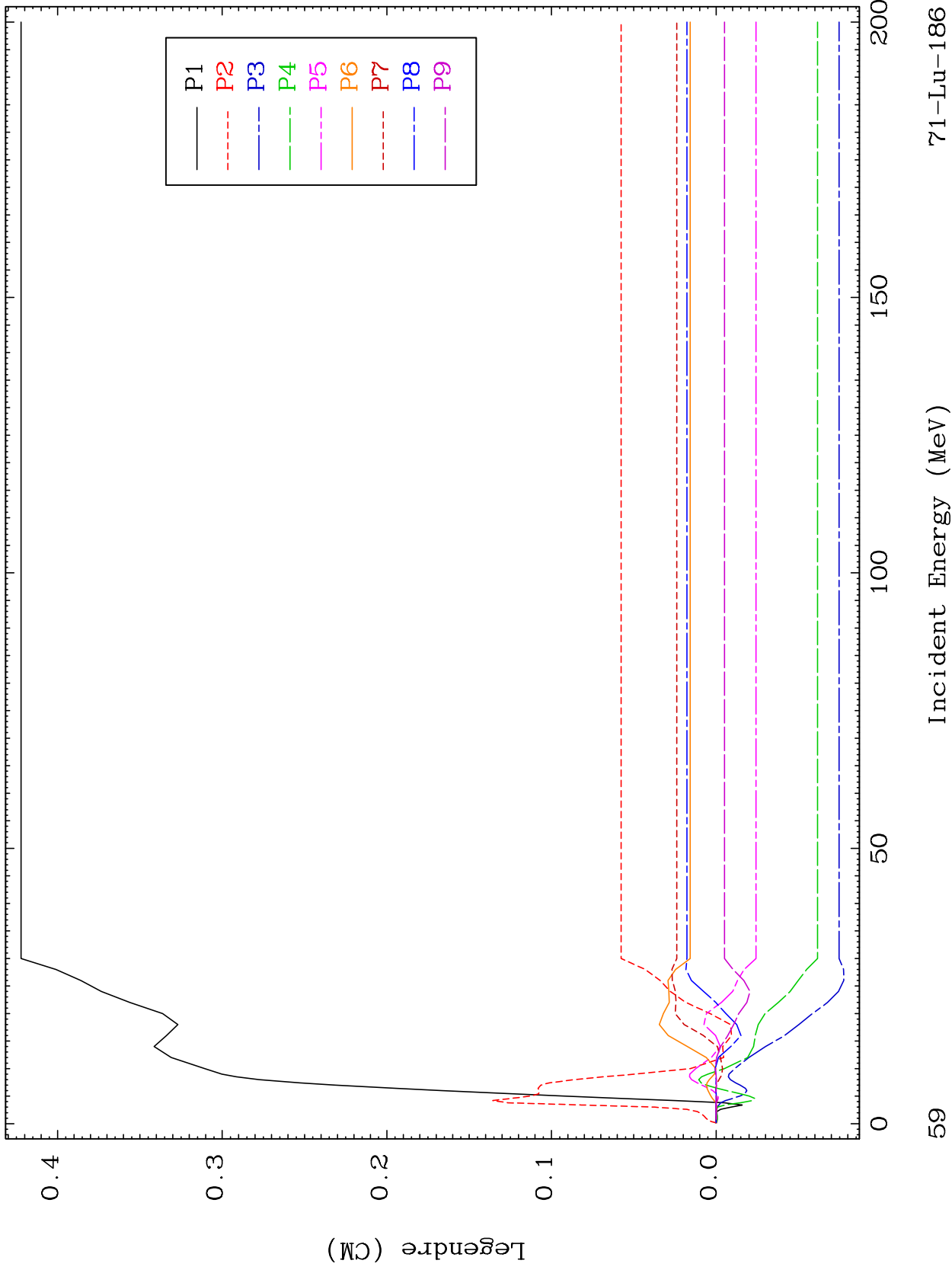
71-Lu-186



71-Lu-186

Incident Energy (MeV)

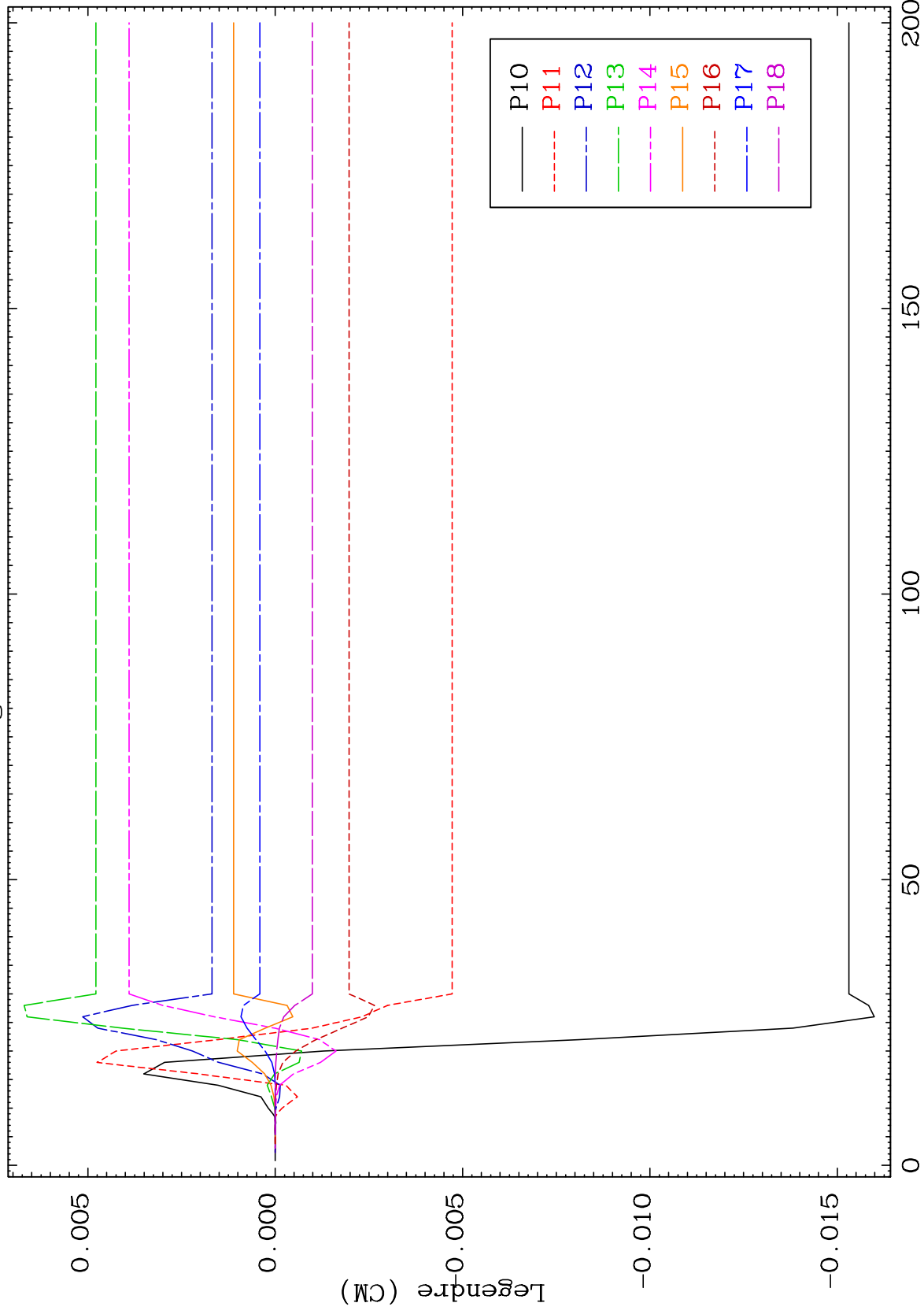
58



MAT 7158

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

71-Lu-186



71-Lu-186

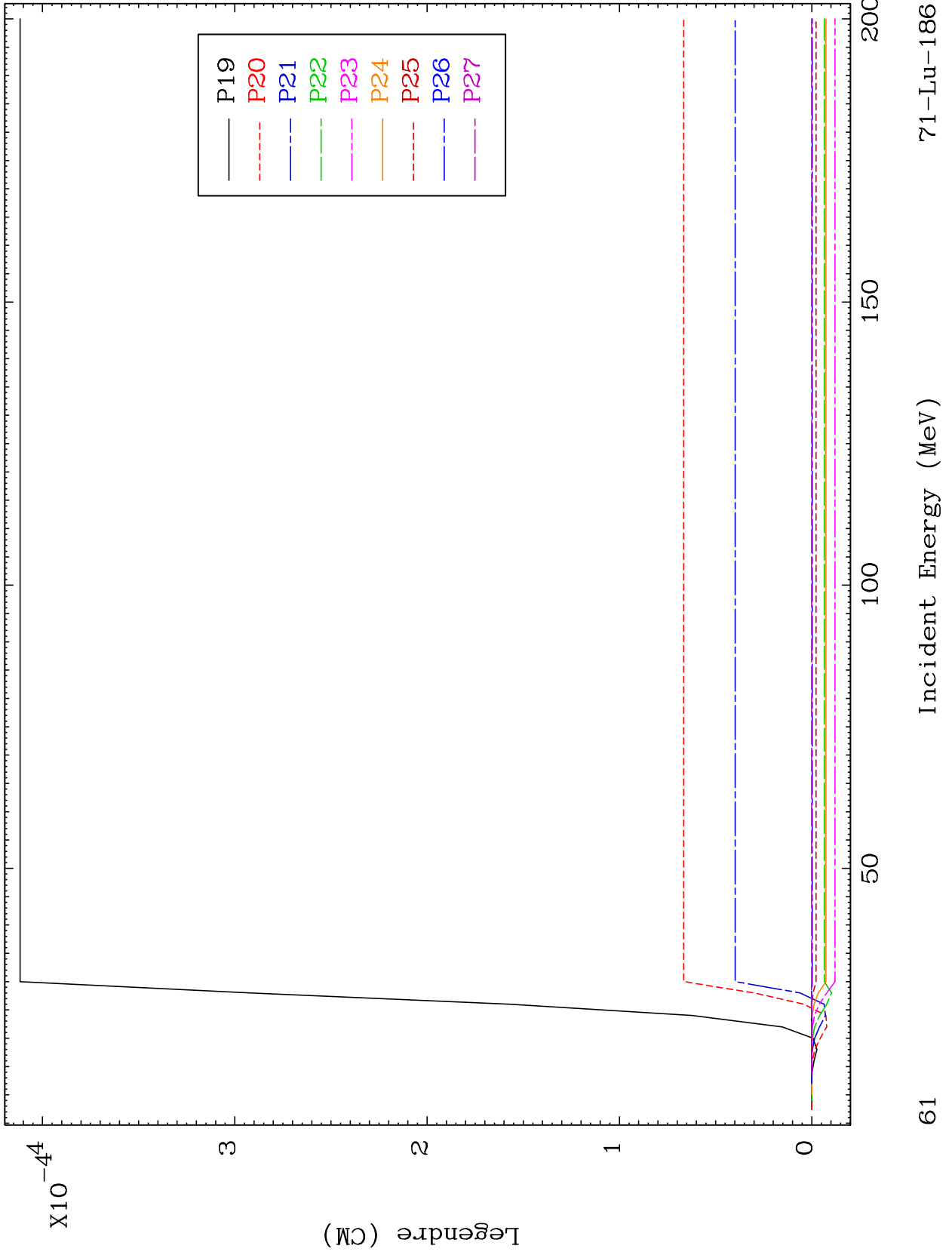
Incident Energy (MeV)

60

MAT 7158

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

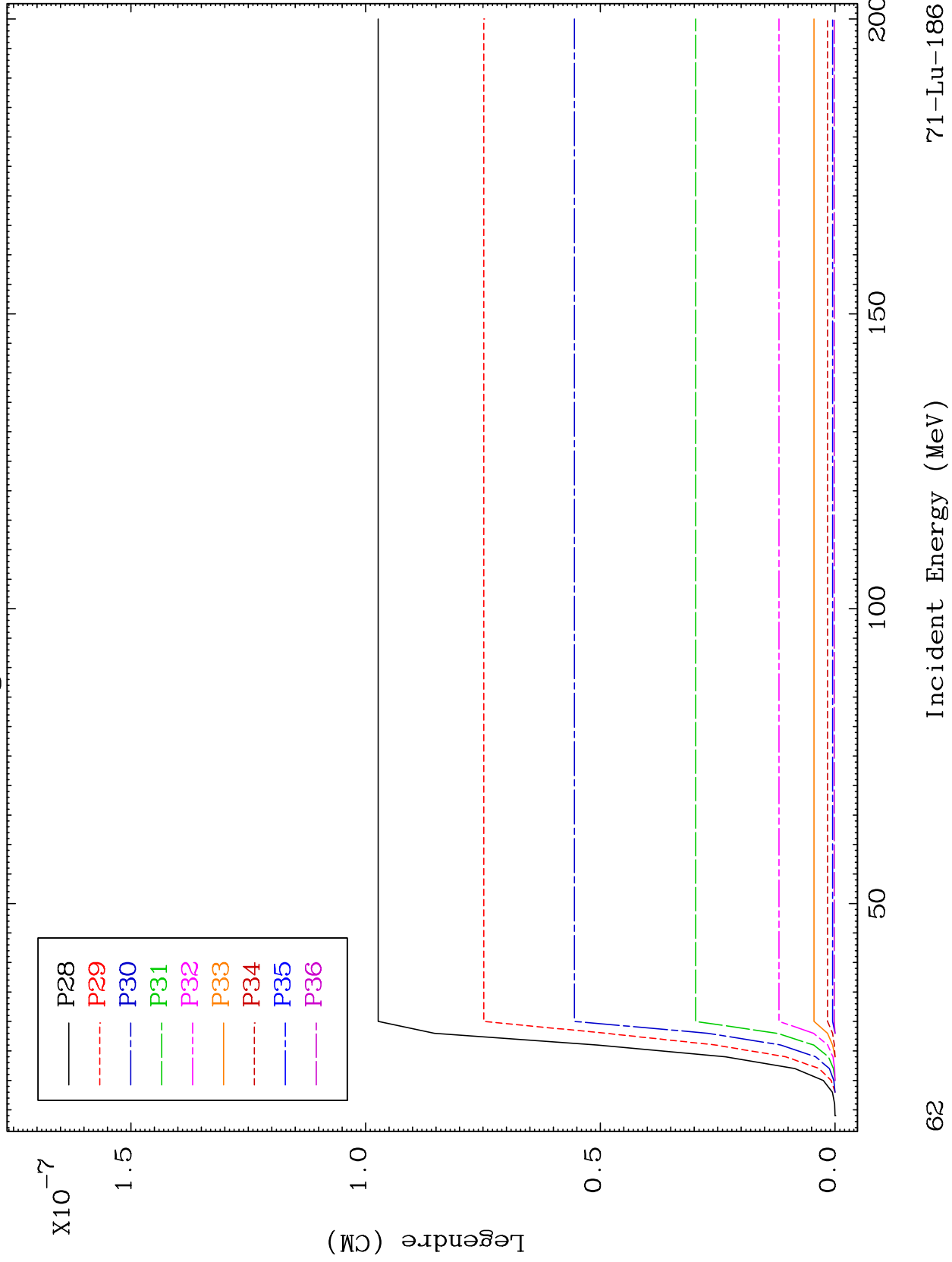
71-Lu-186



MAT 7158

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

71-Lu-186



62

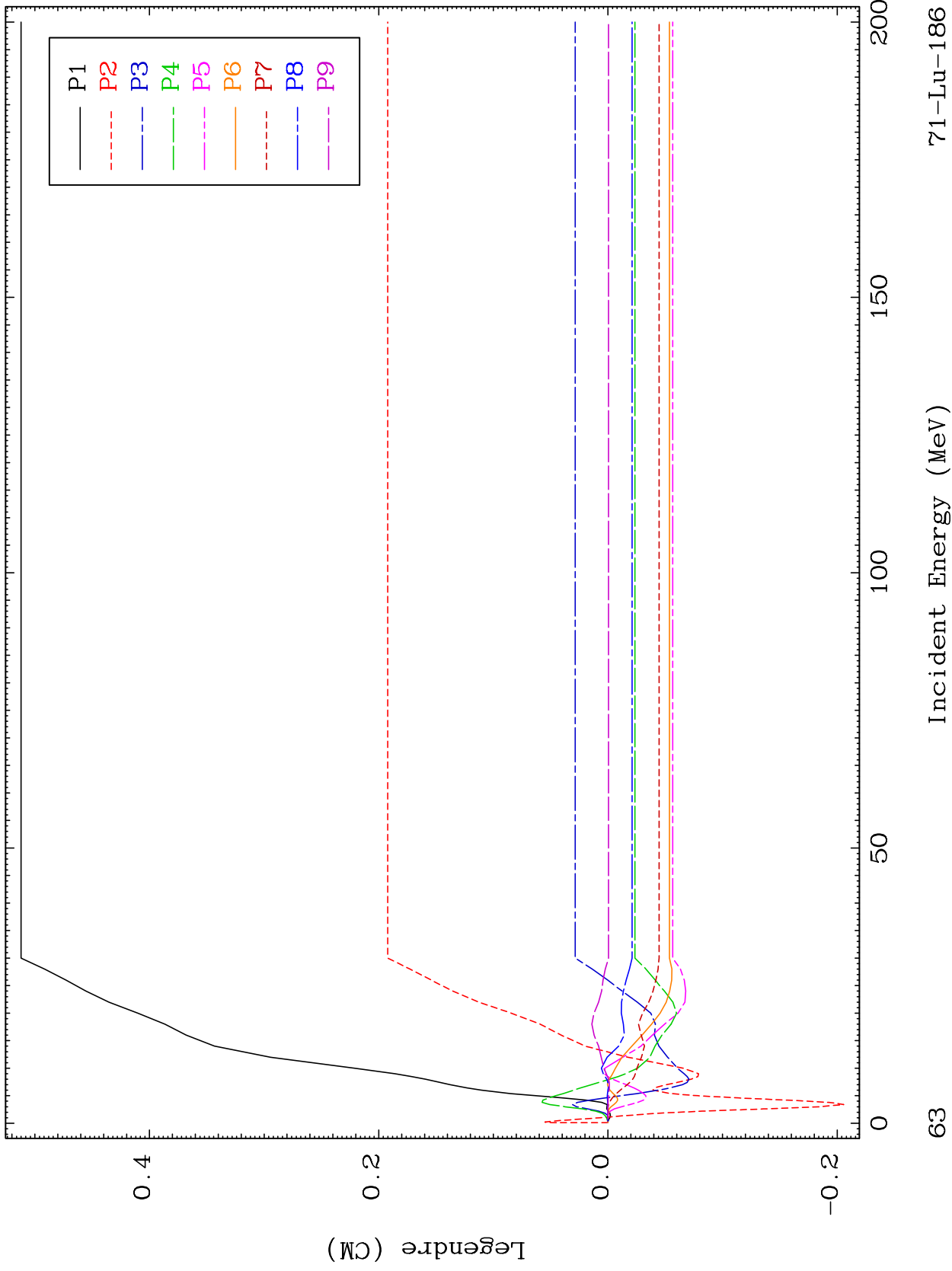
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

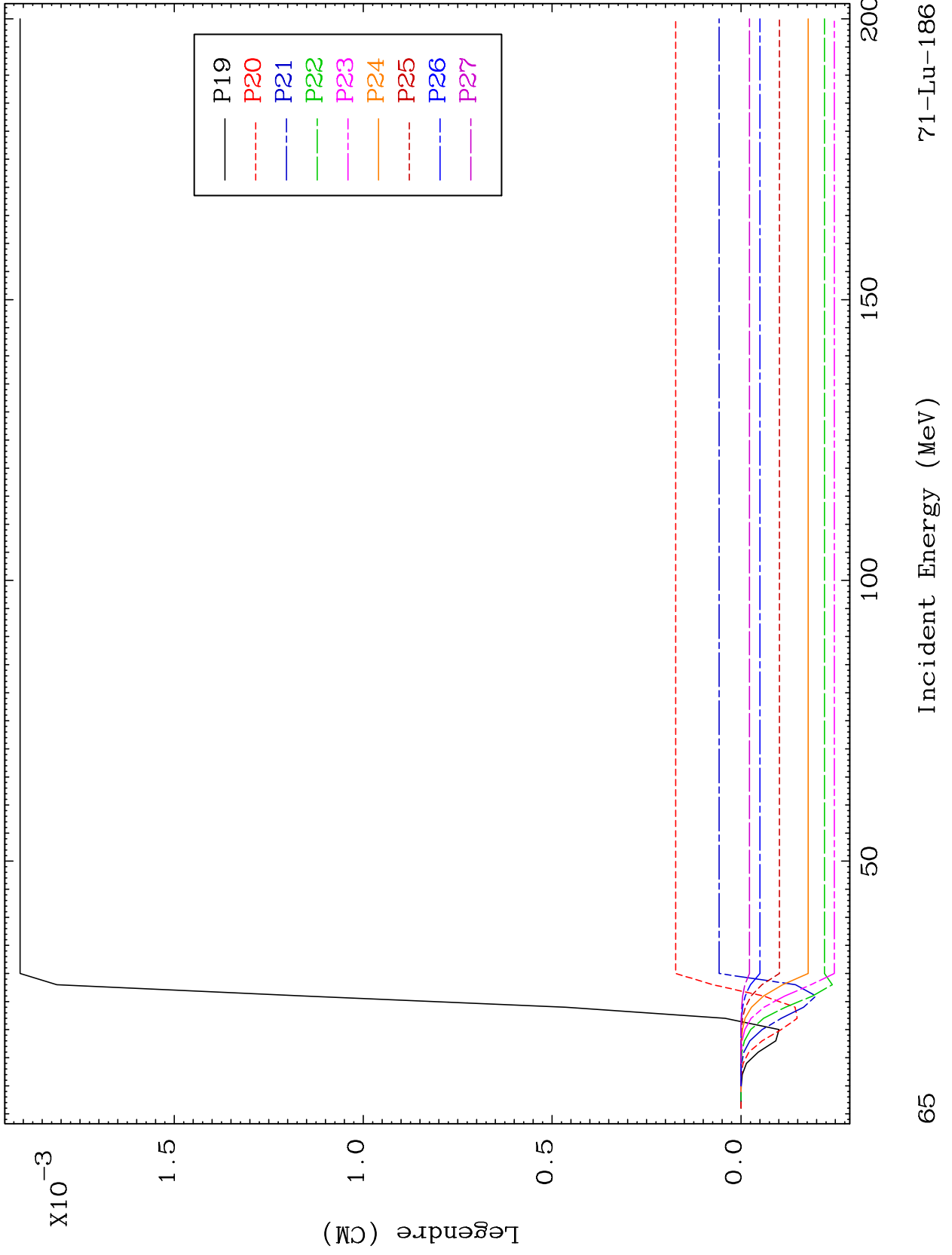
71-Lu-186



63

Incident Energy (MeV)

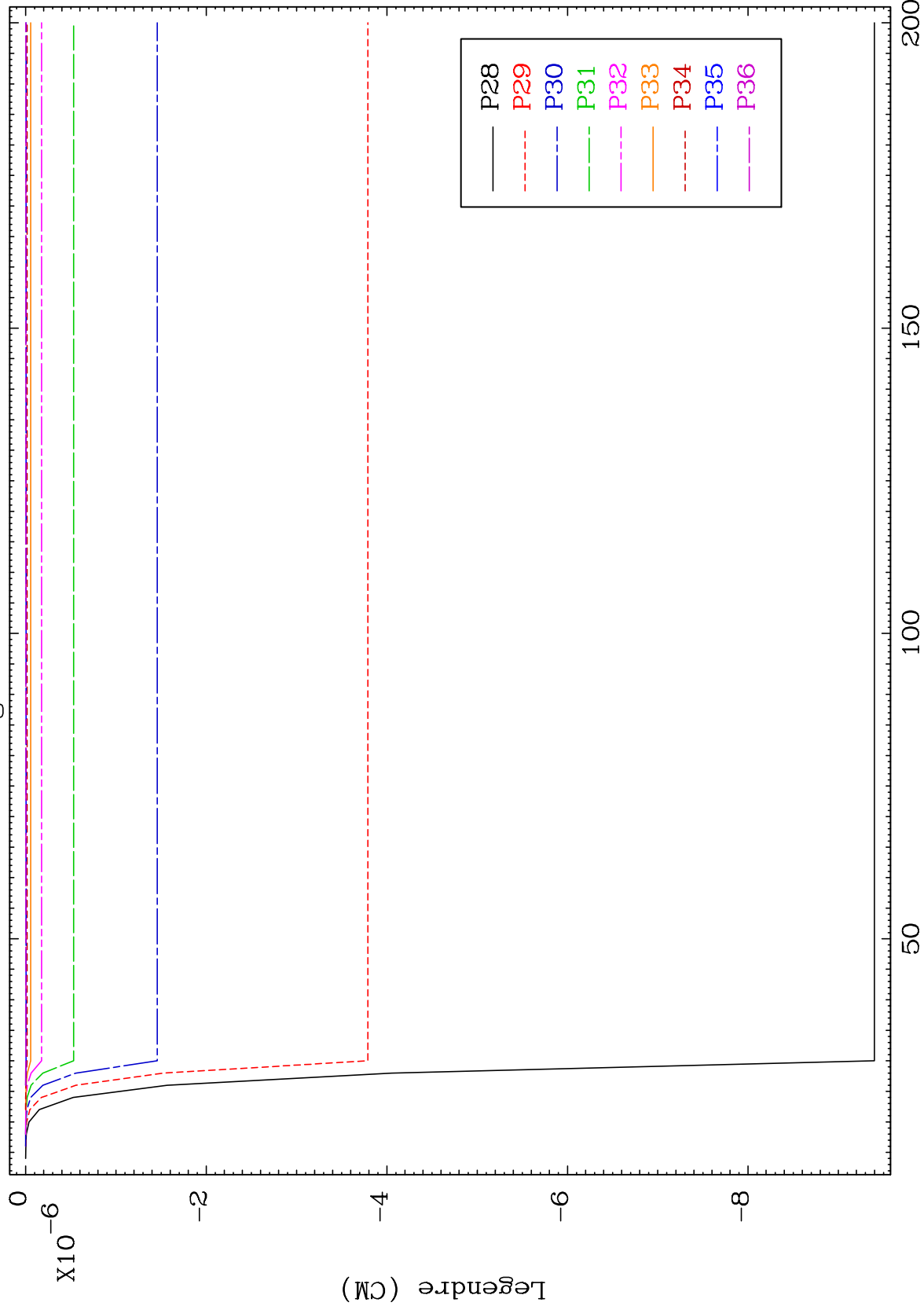
71-Lu-186



MAT 7158

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

71-Lu-186



66

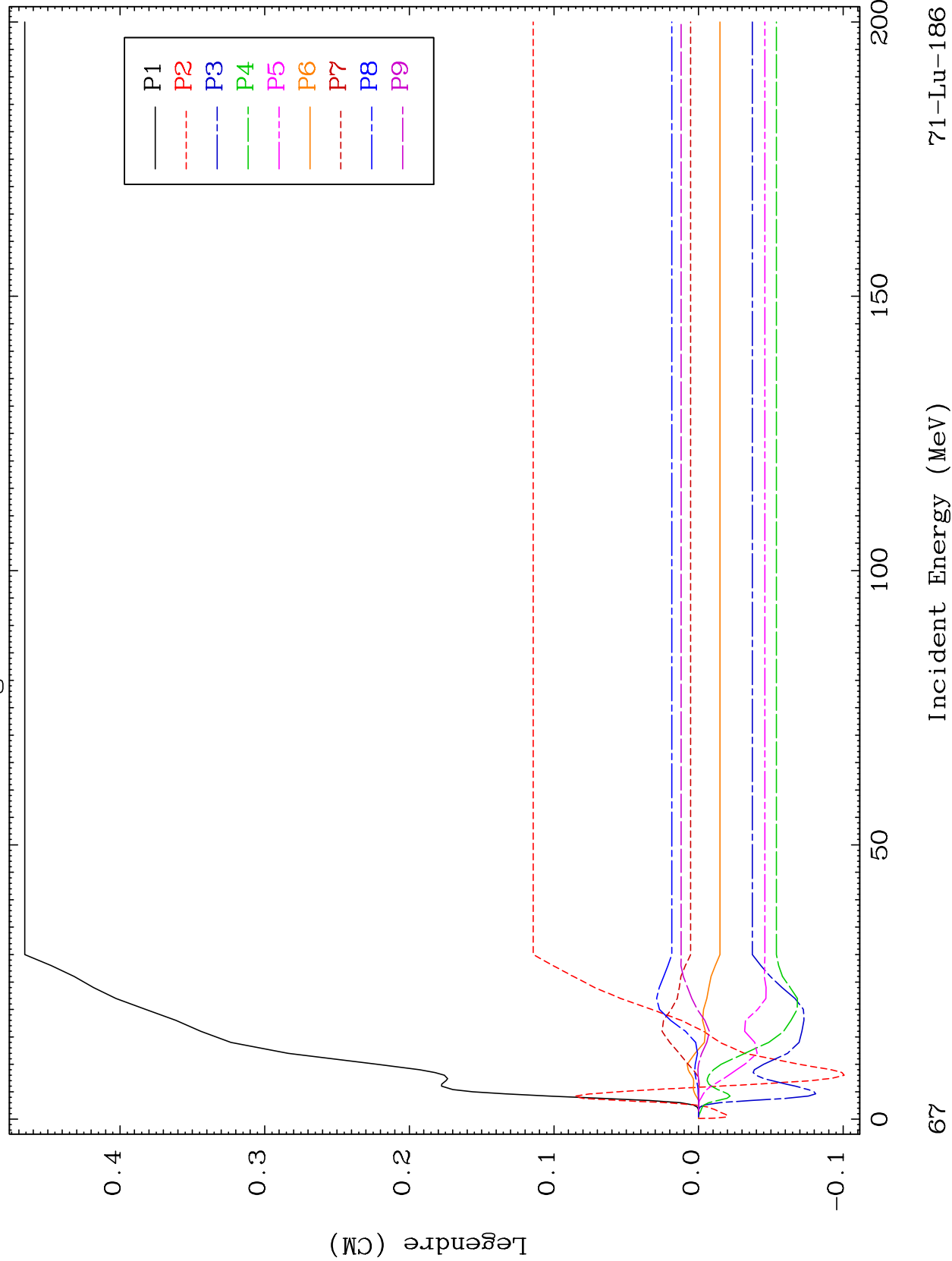
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



71-Lu-186

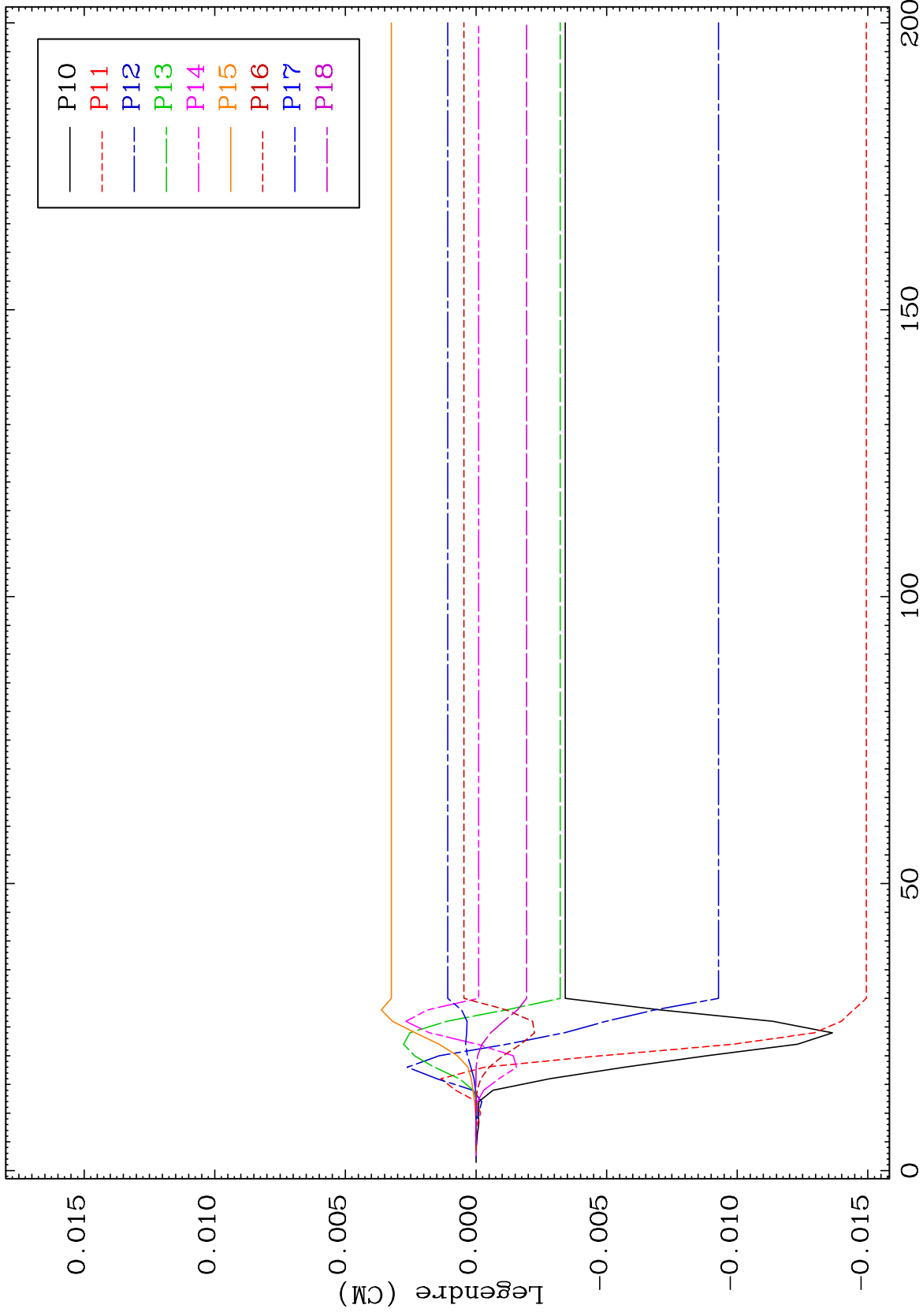
Incident Energy (MeV)

67

MAT 7158

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

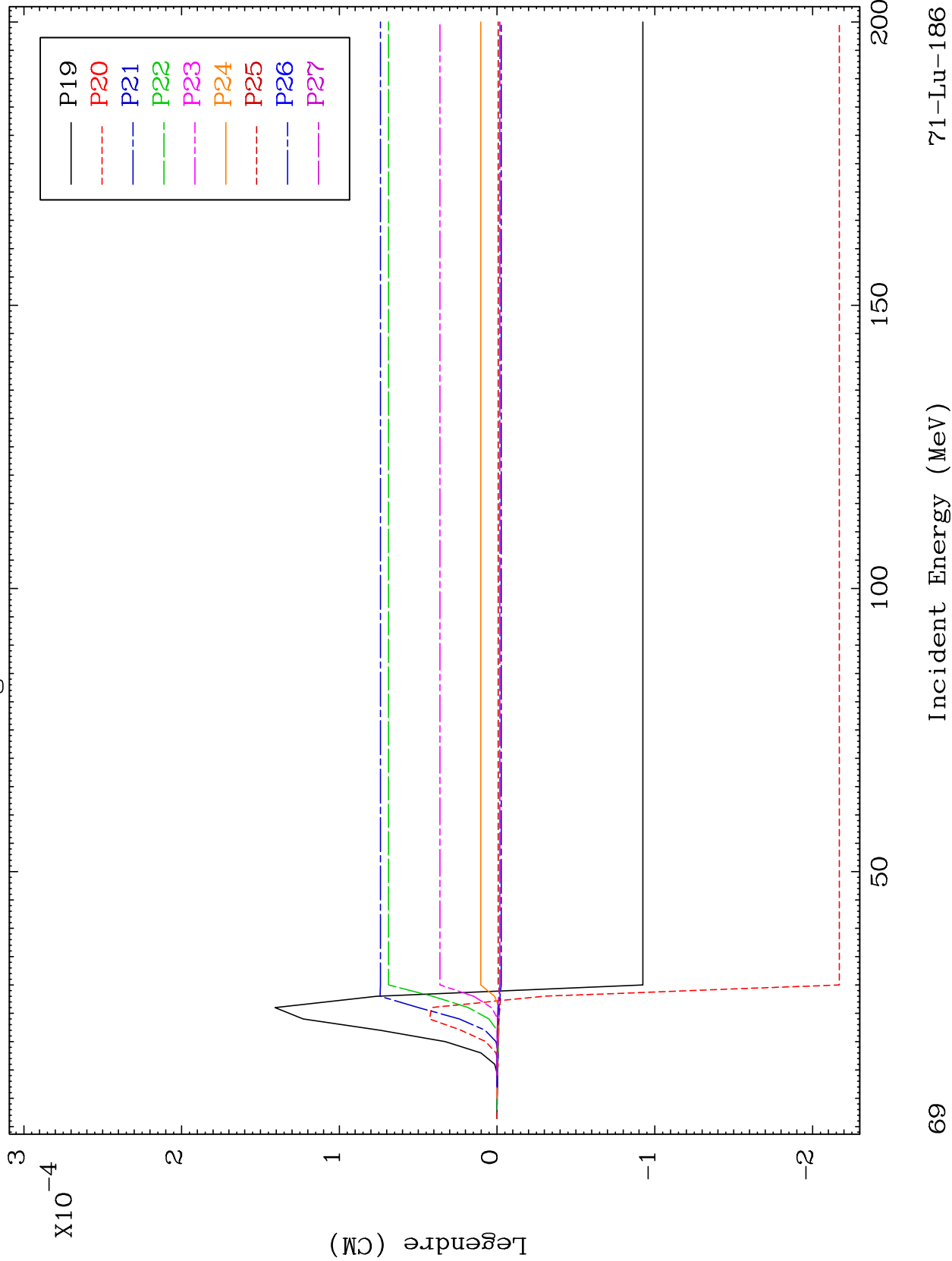
71-Lu-186



68

Incident Energy (MeV)

71-Lu-186

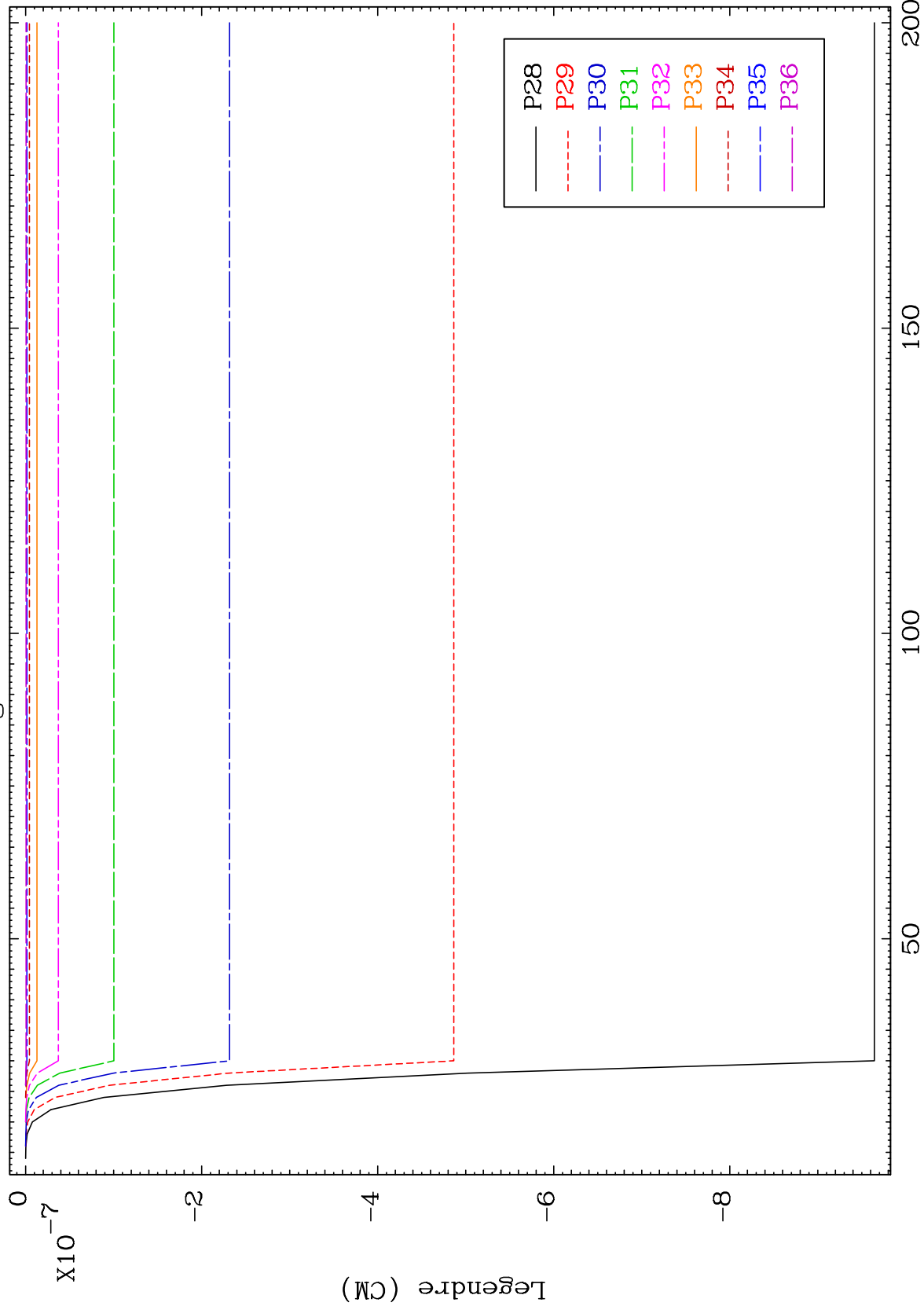


MAT 7158

MT= 64 (n,n') Level

71-Lu-186

Legendre Coefficients



71-Lu-186

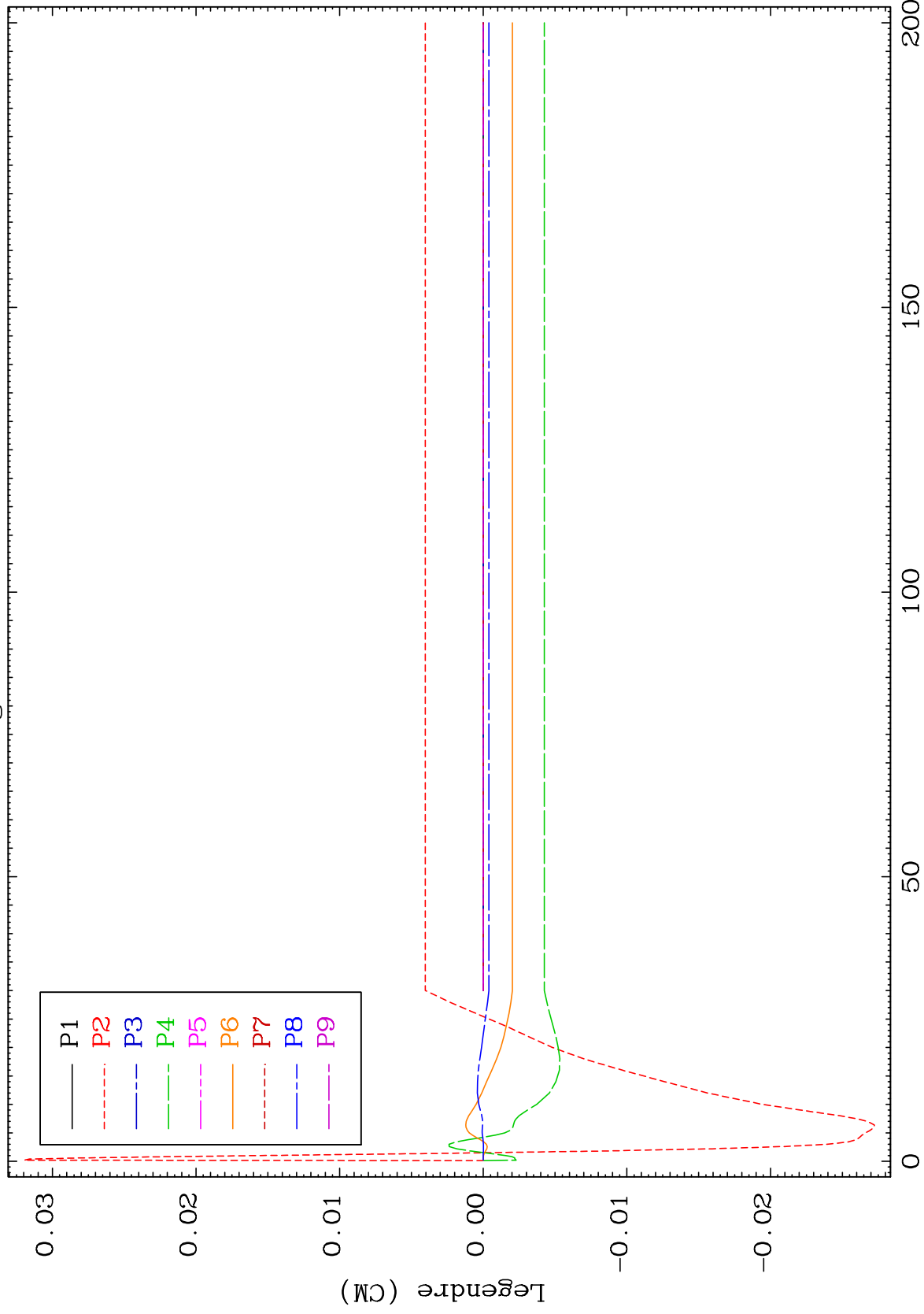
Incident Energy (MeV)

70

MAT 7158

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

71-Lu-186



71

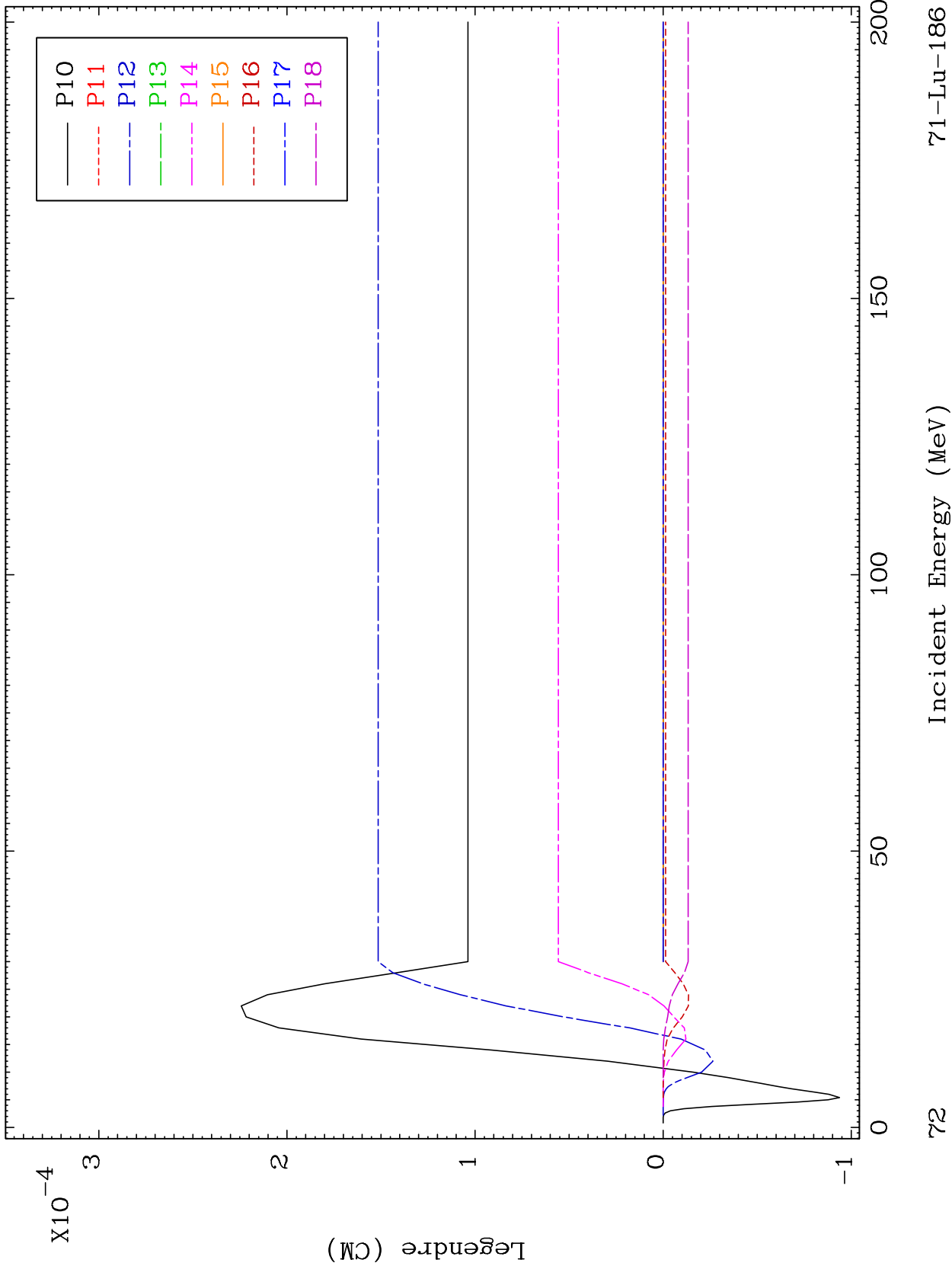
Incident Energy (MeV)

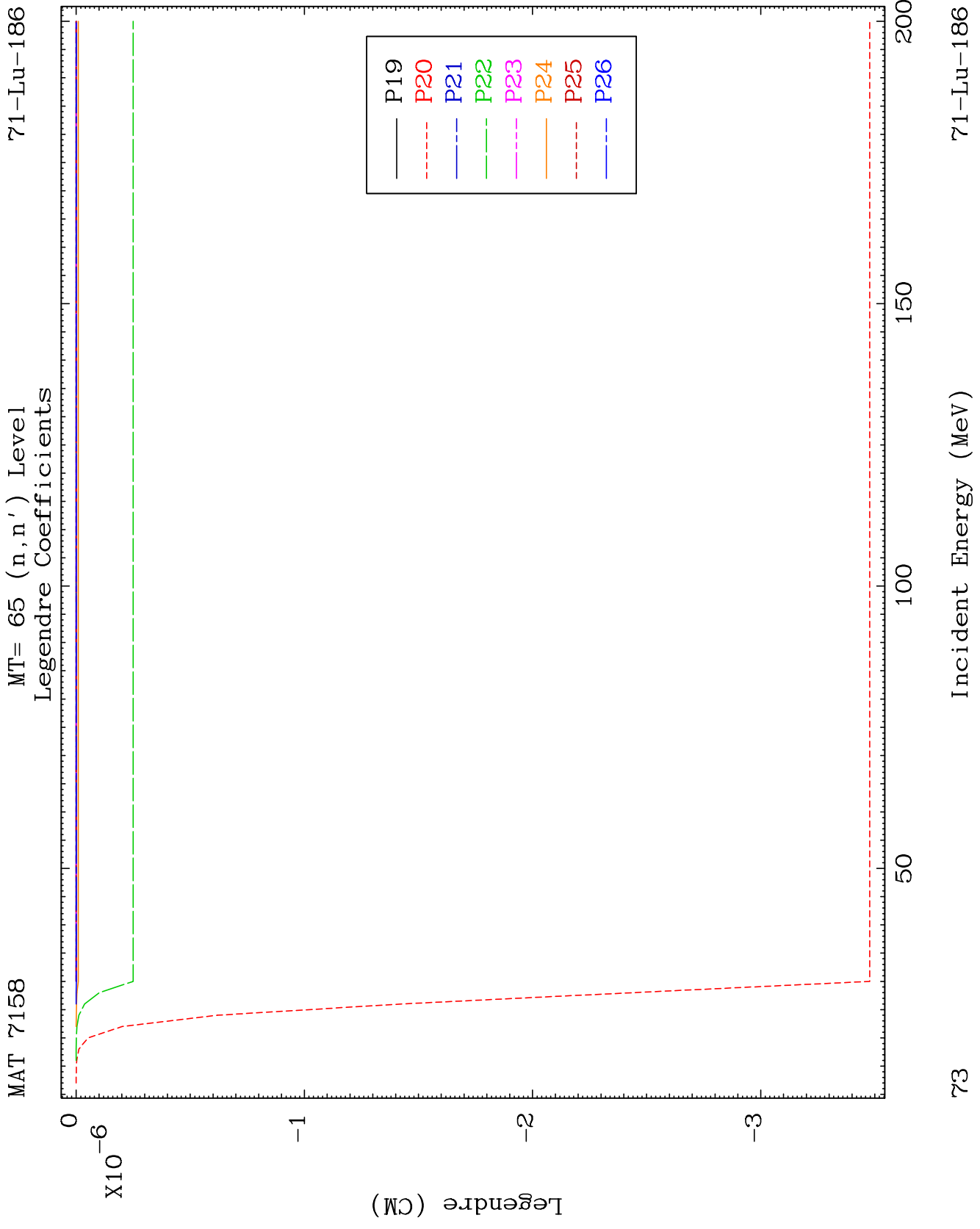
71-Lu-186

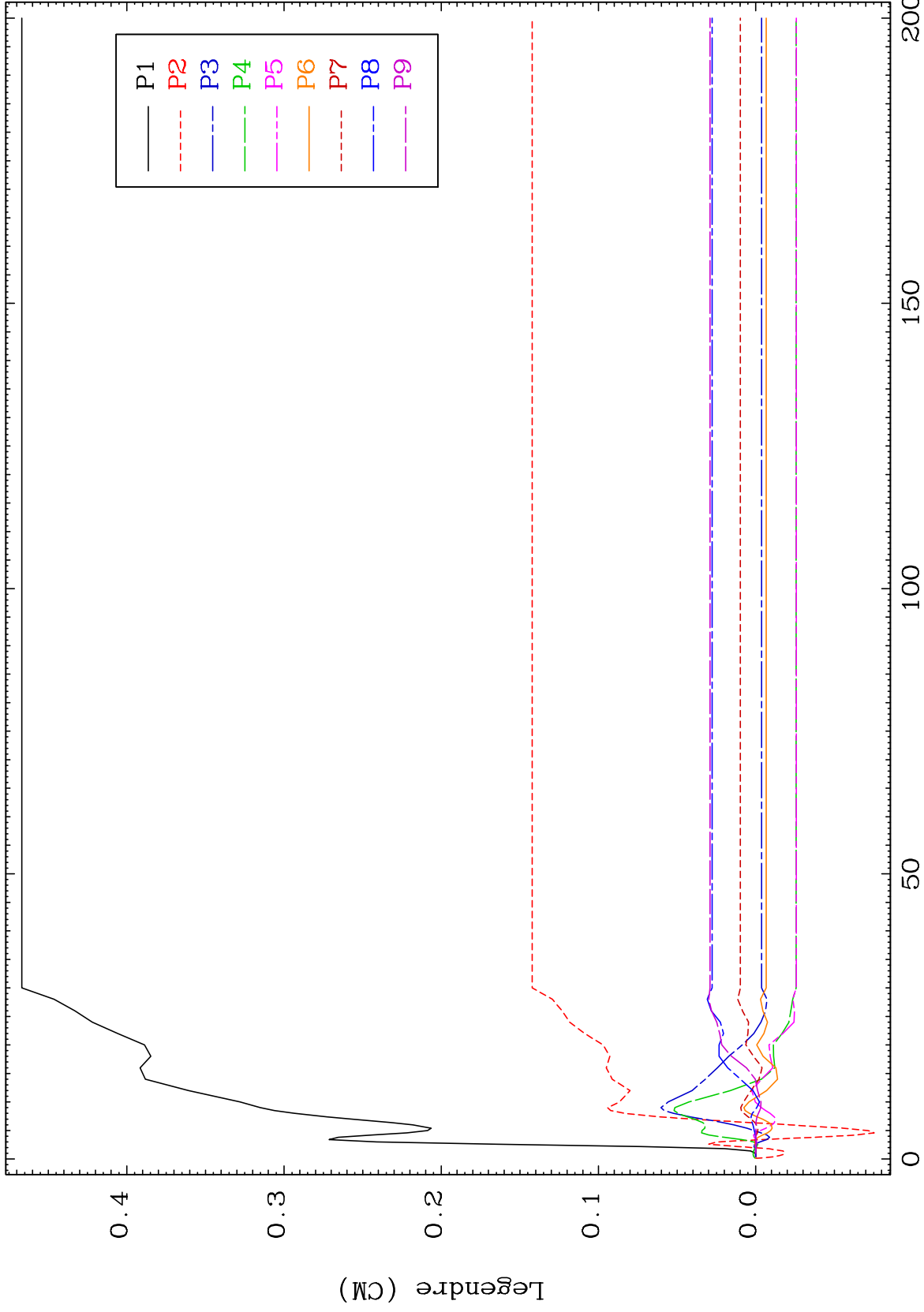
MAT 7158

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

71-Lu-186



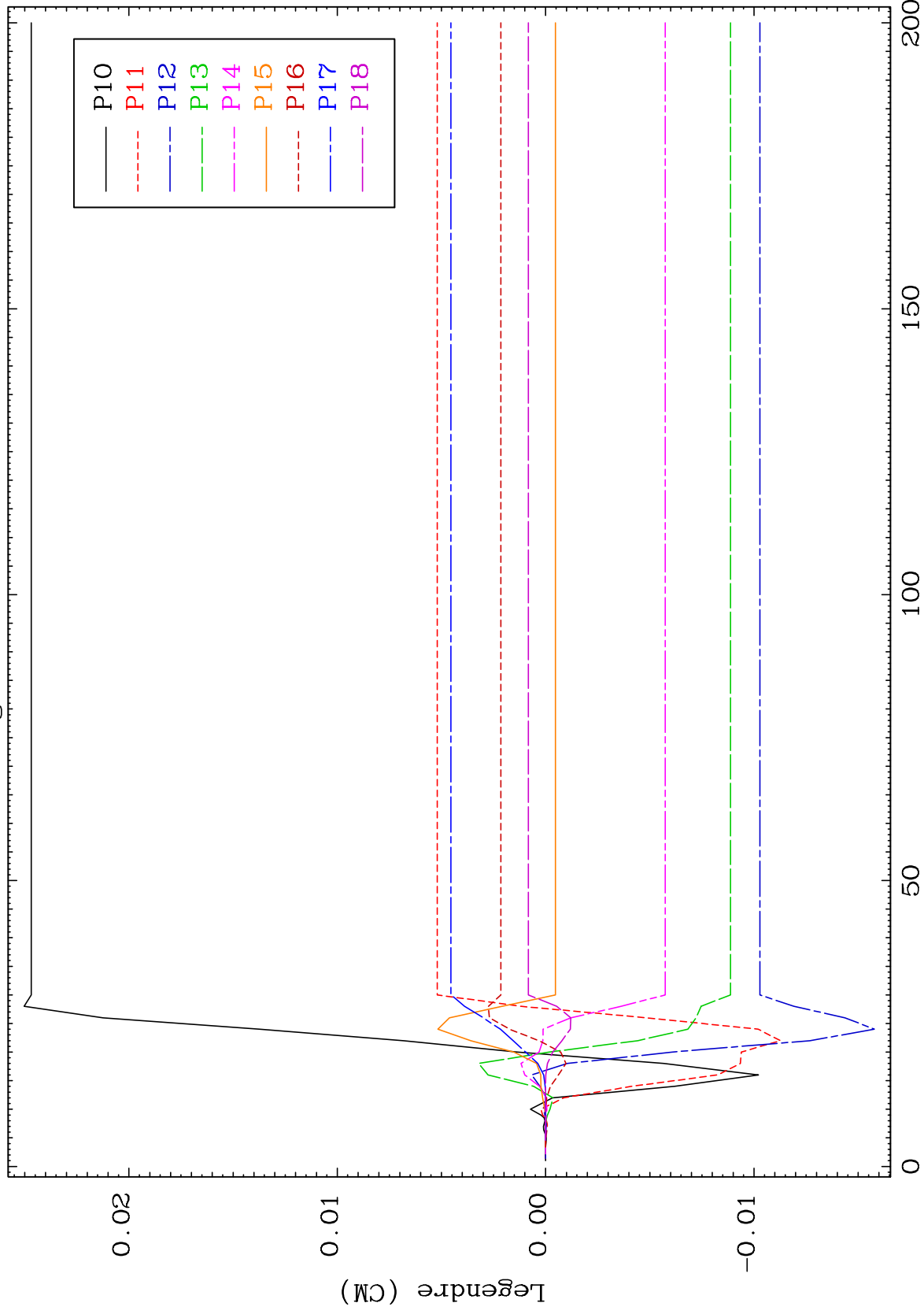




MAT 7158

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

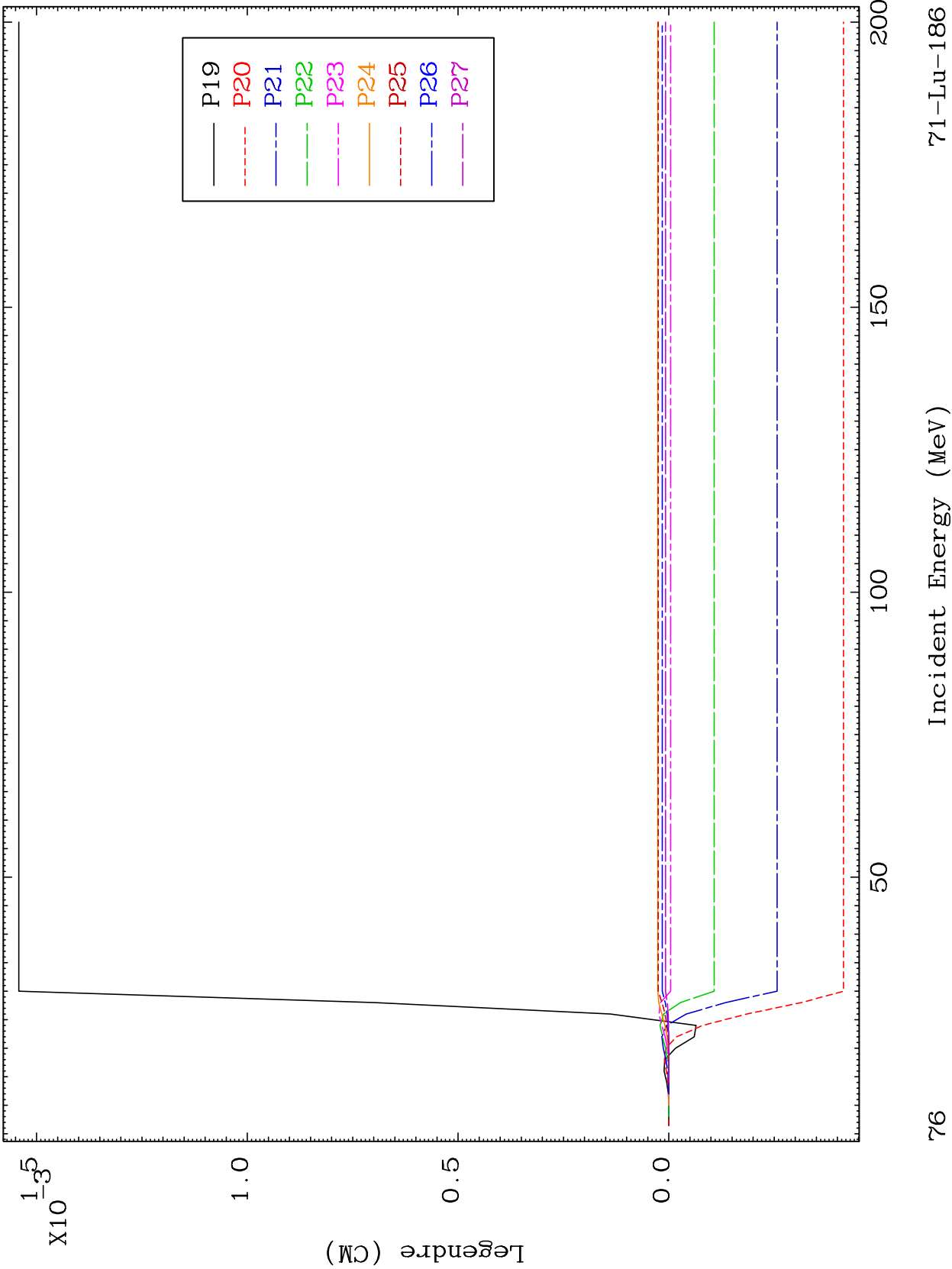
71-Lu-186



75

Incident Energy (MeV)

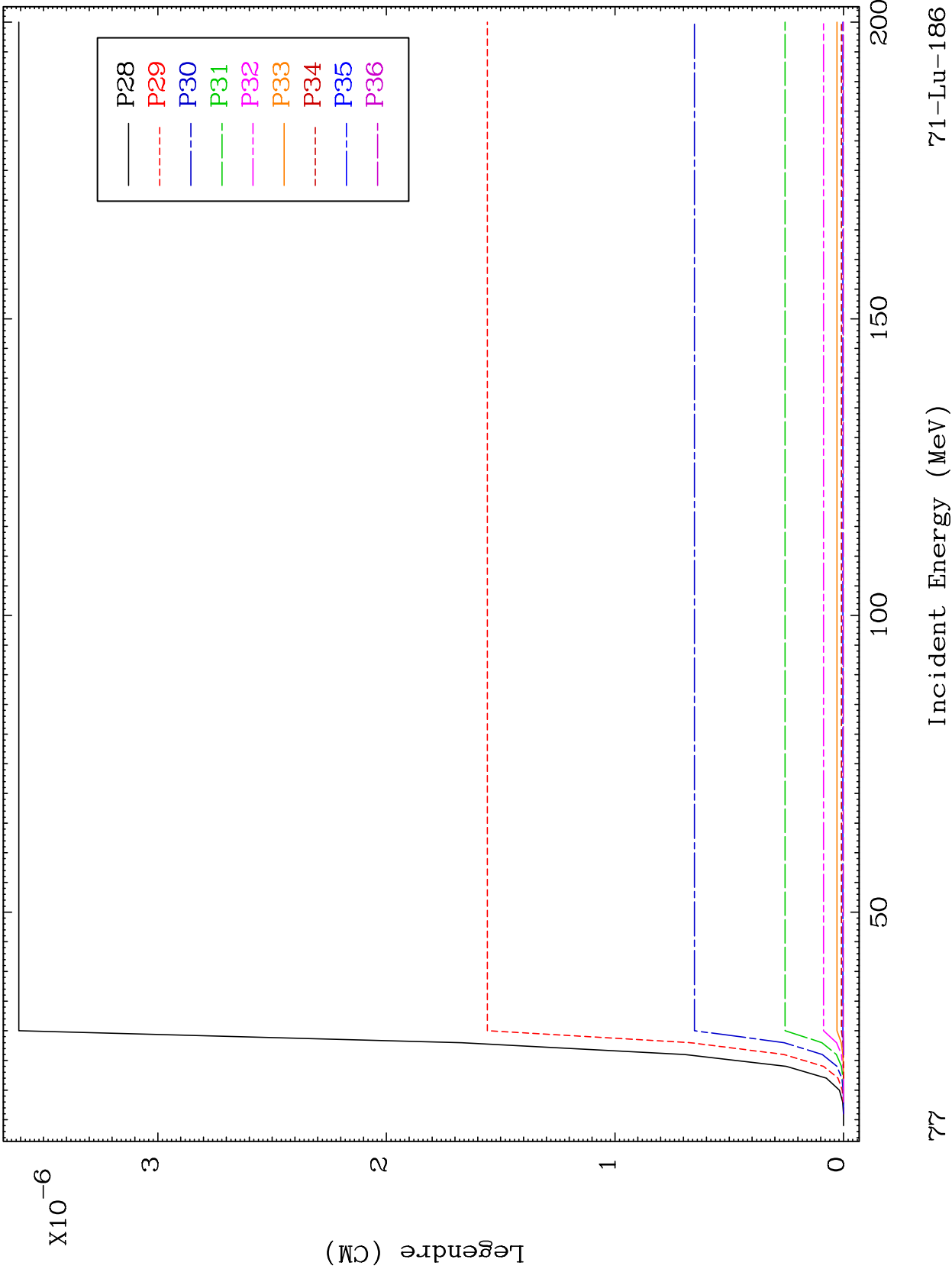
71-Lu-186



MAT 7158

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

71-Lu-186



77

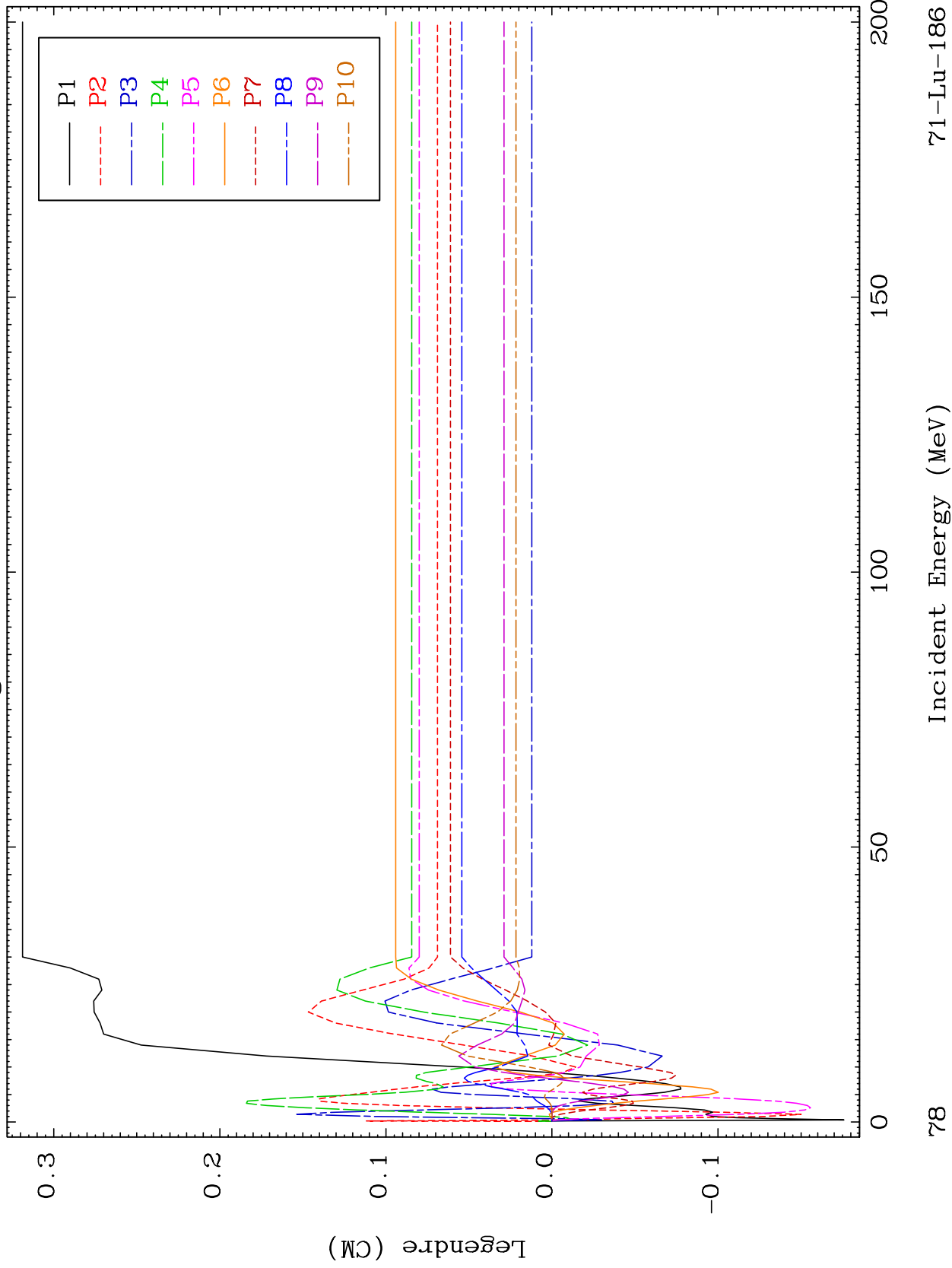
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



78

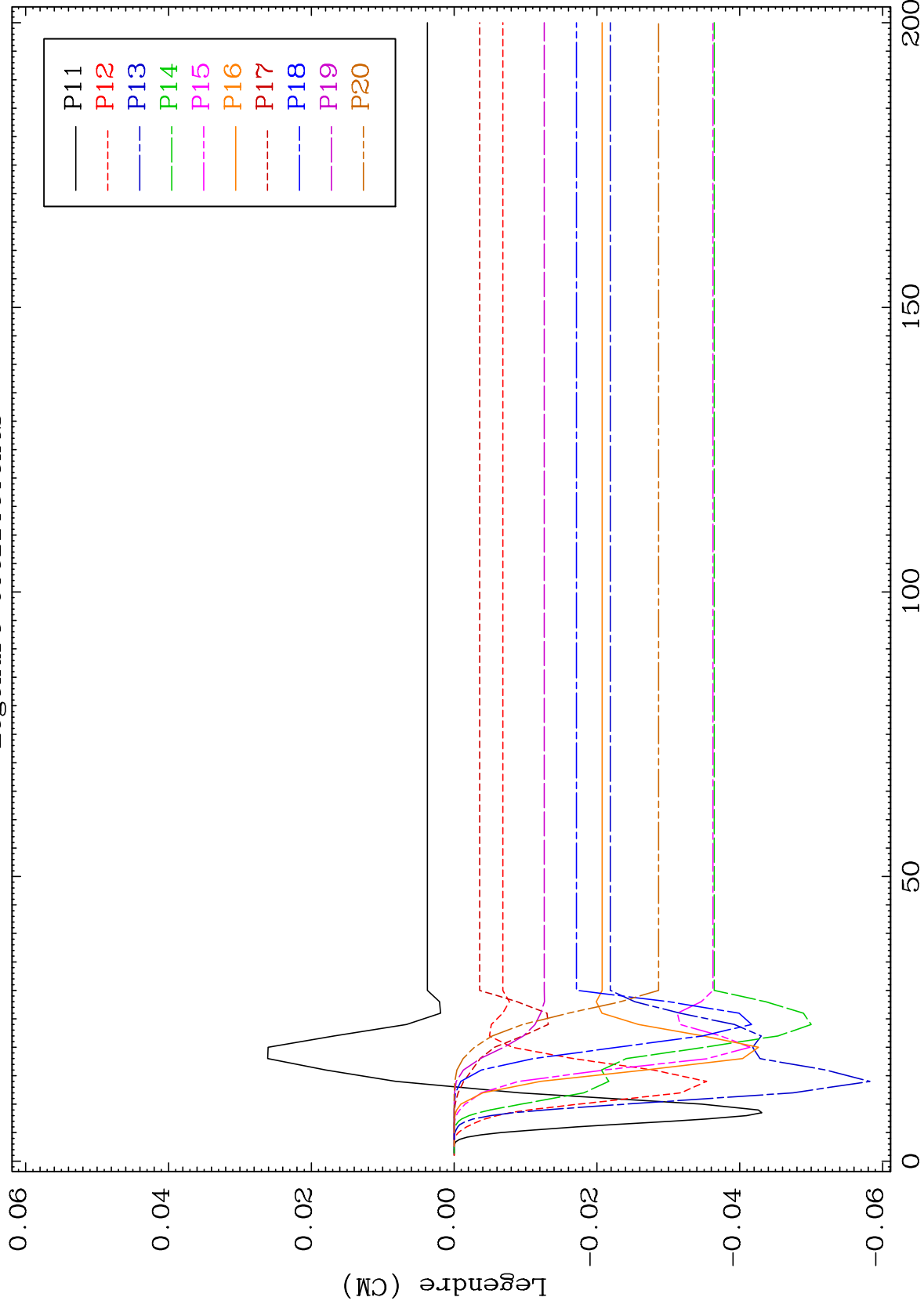
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

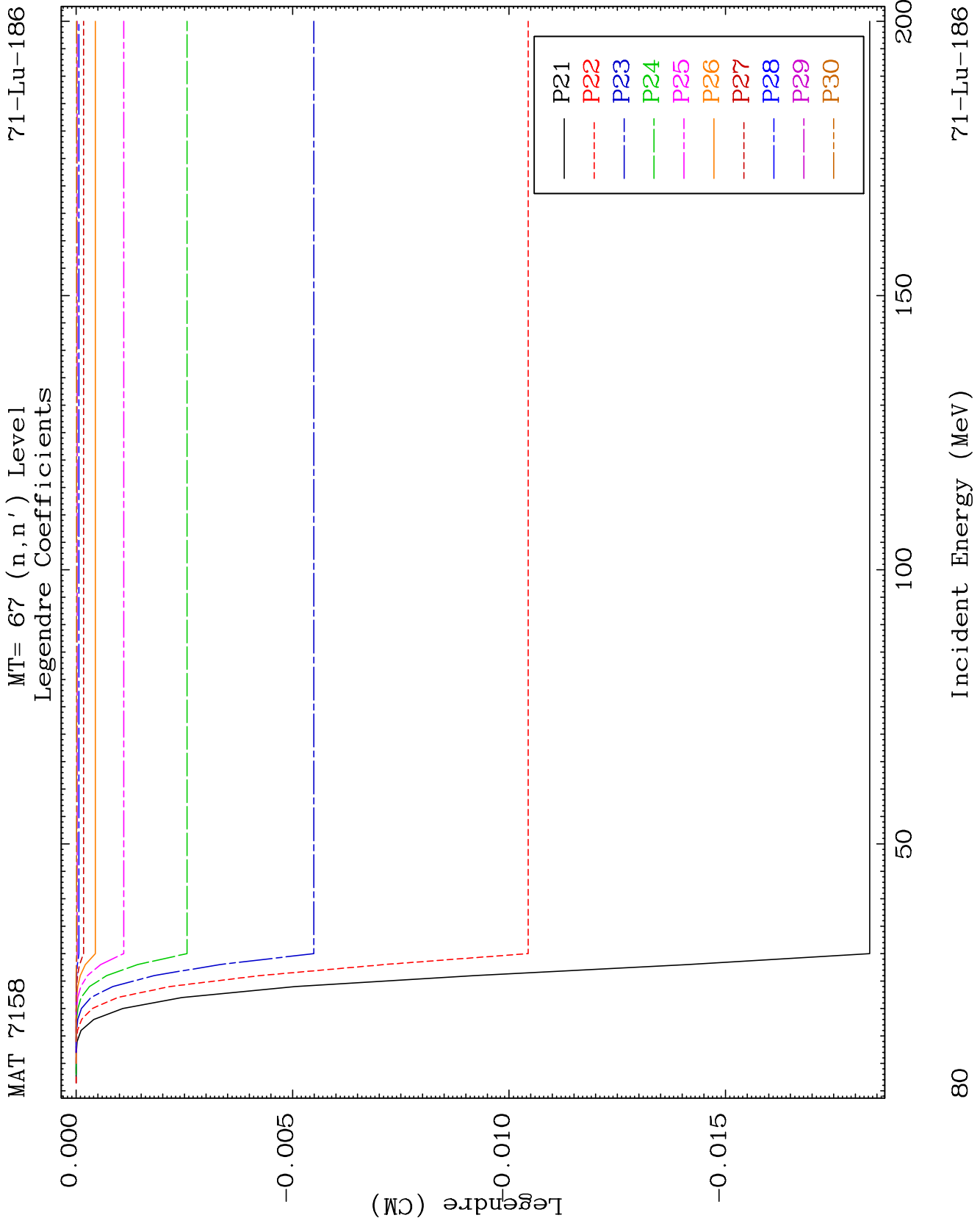
71-Lu-186



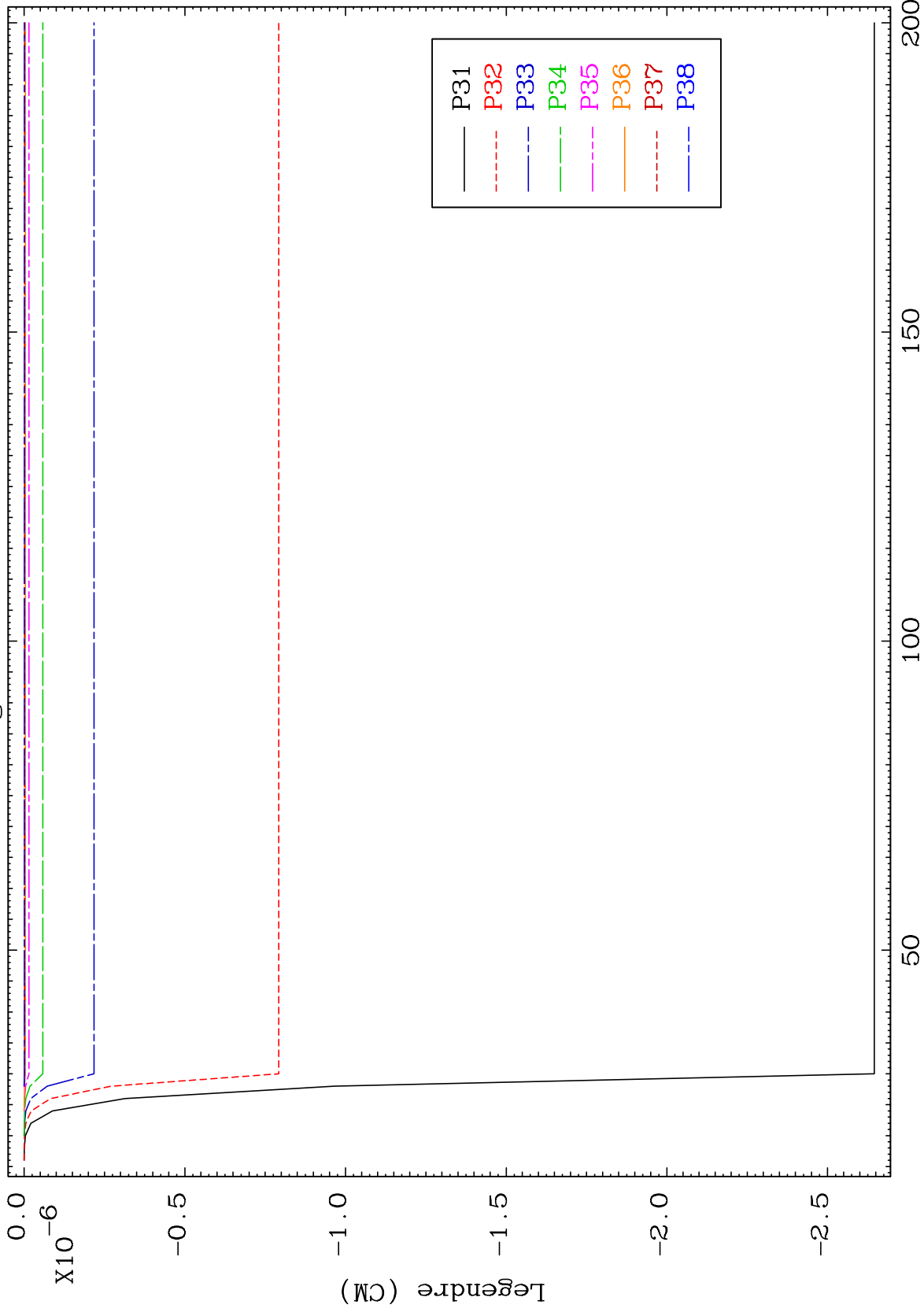
79

Incident Energy (MeV)

71-Lu-186



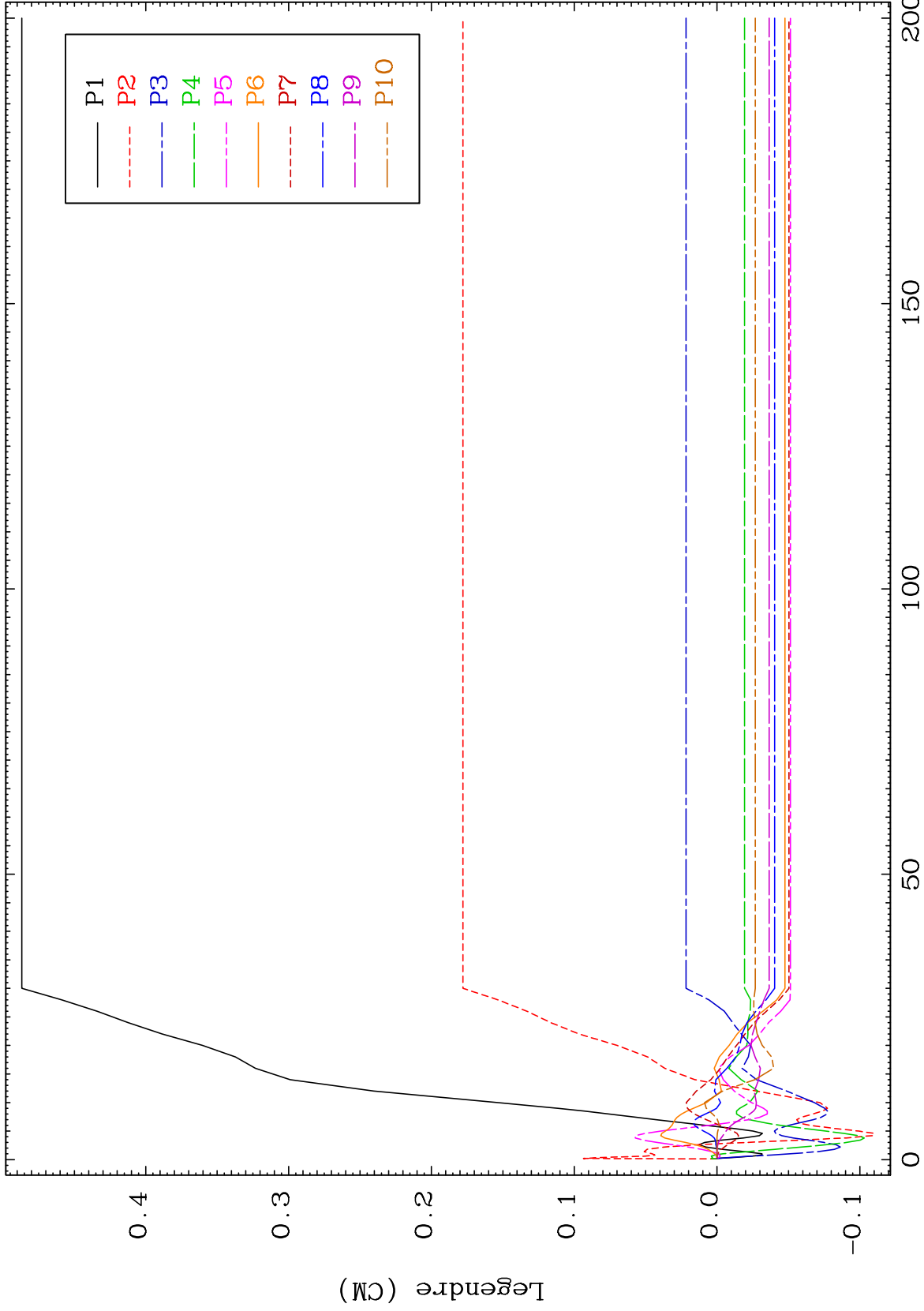
Legendre Coefficients



MAT 7158

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

71-Lu-186



82

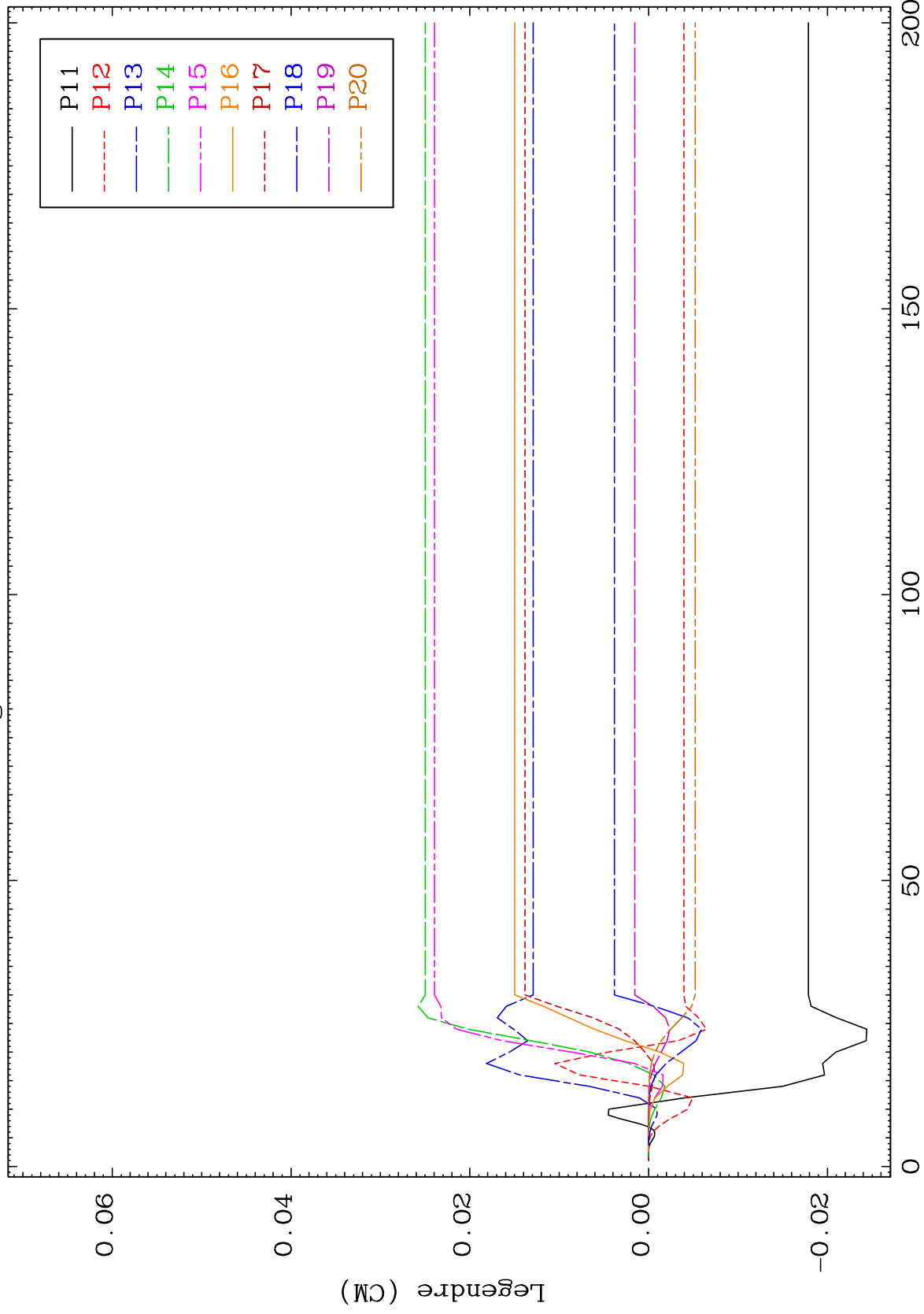
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



83

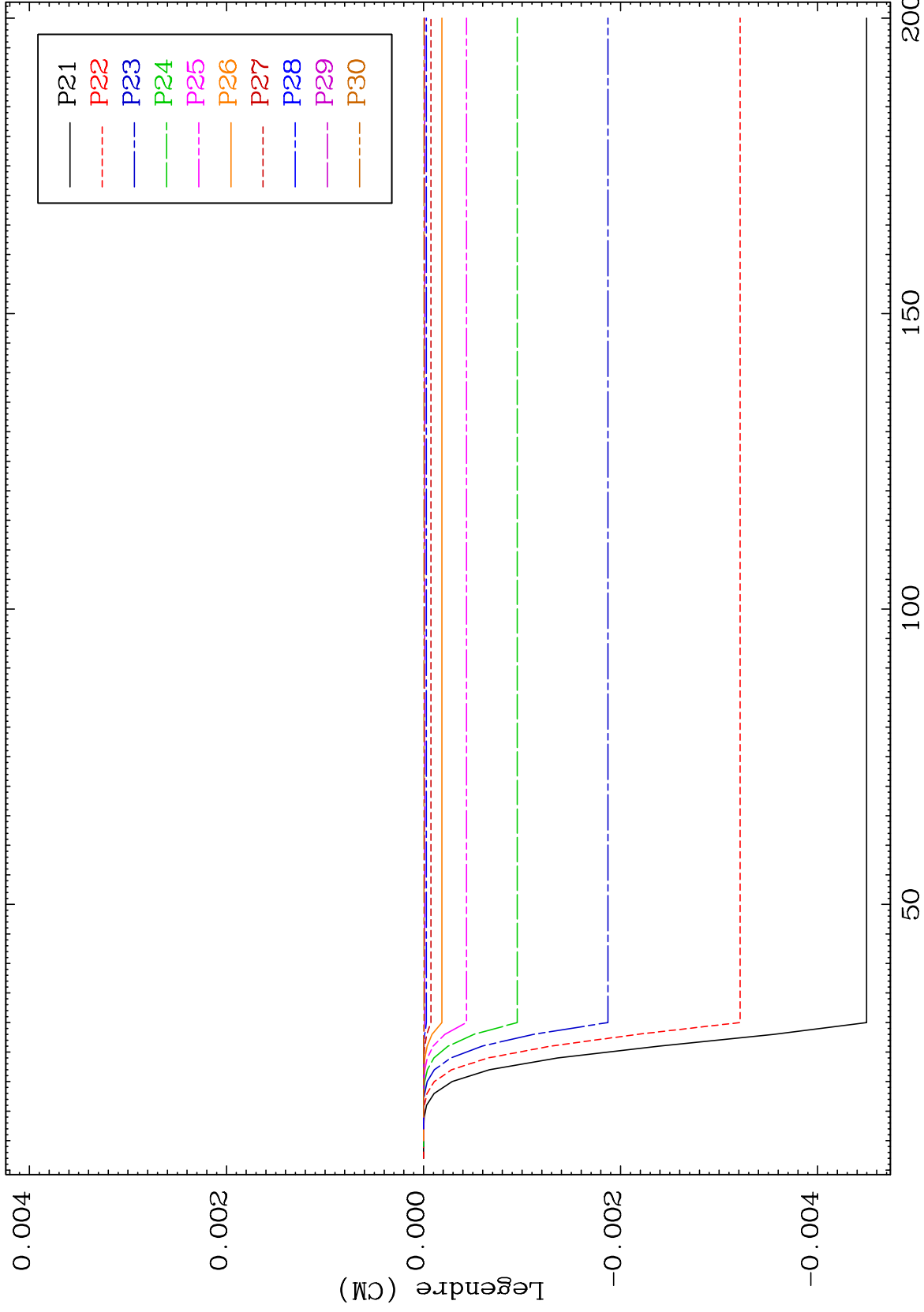
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

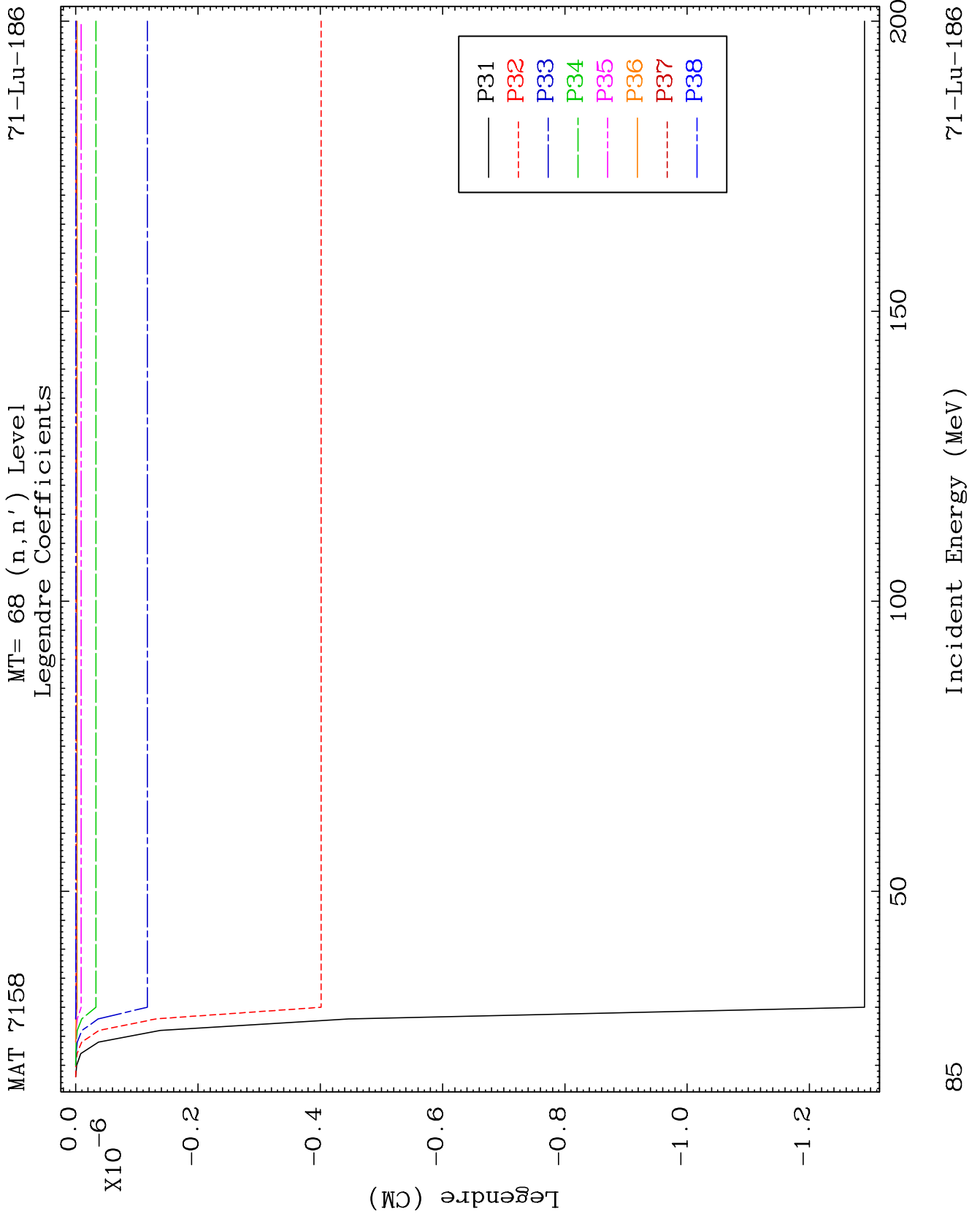
71-Lu-186



84

Incident Energy (MeV)

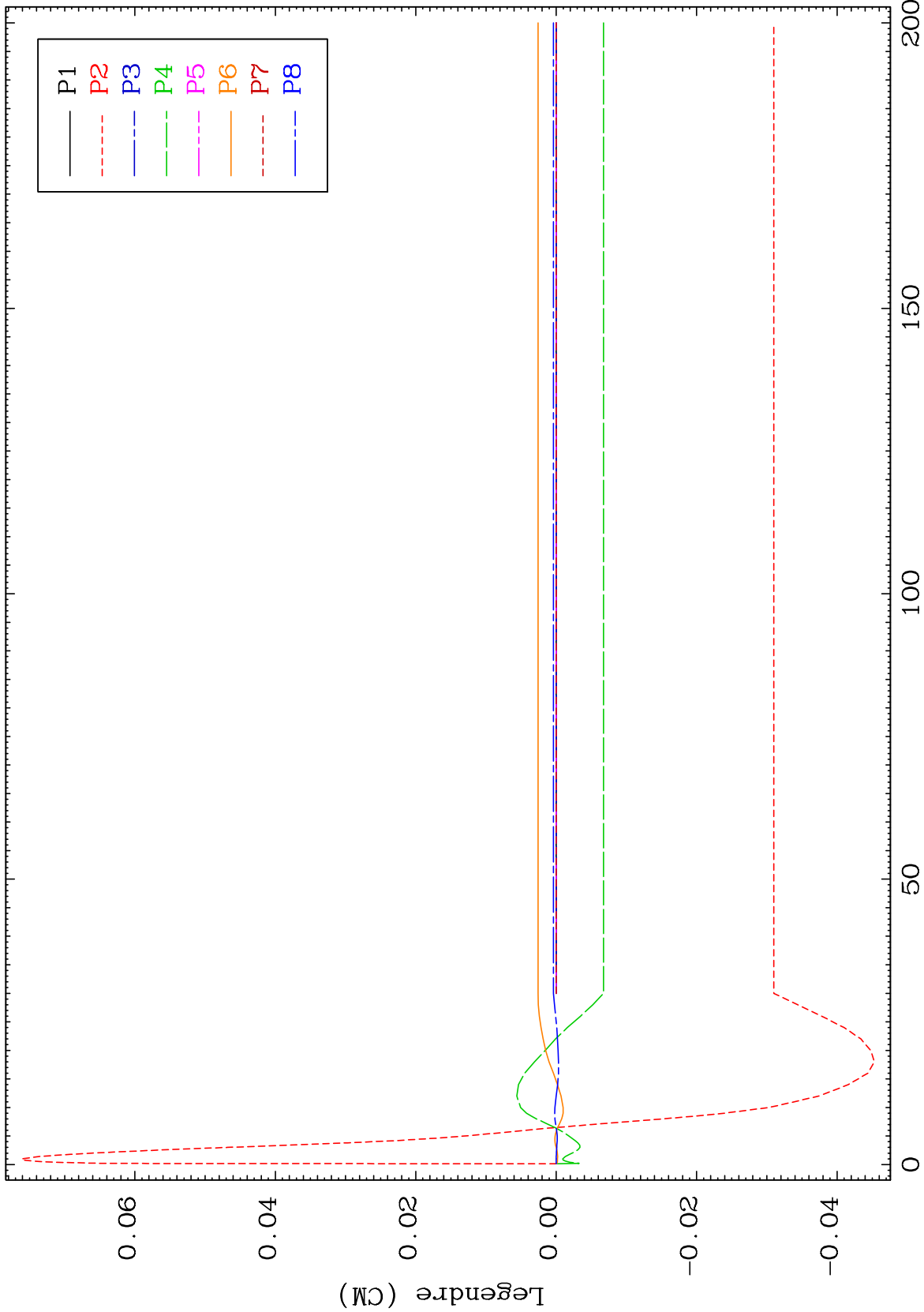
71-Lu-186



MAT 7158

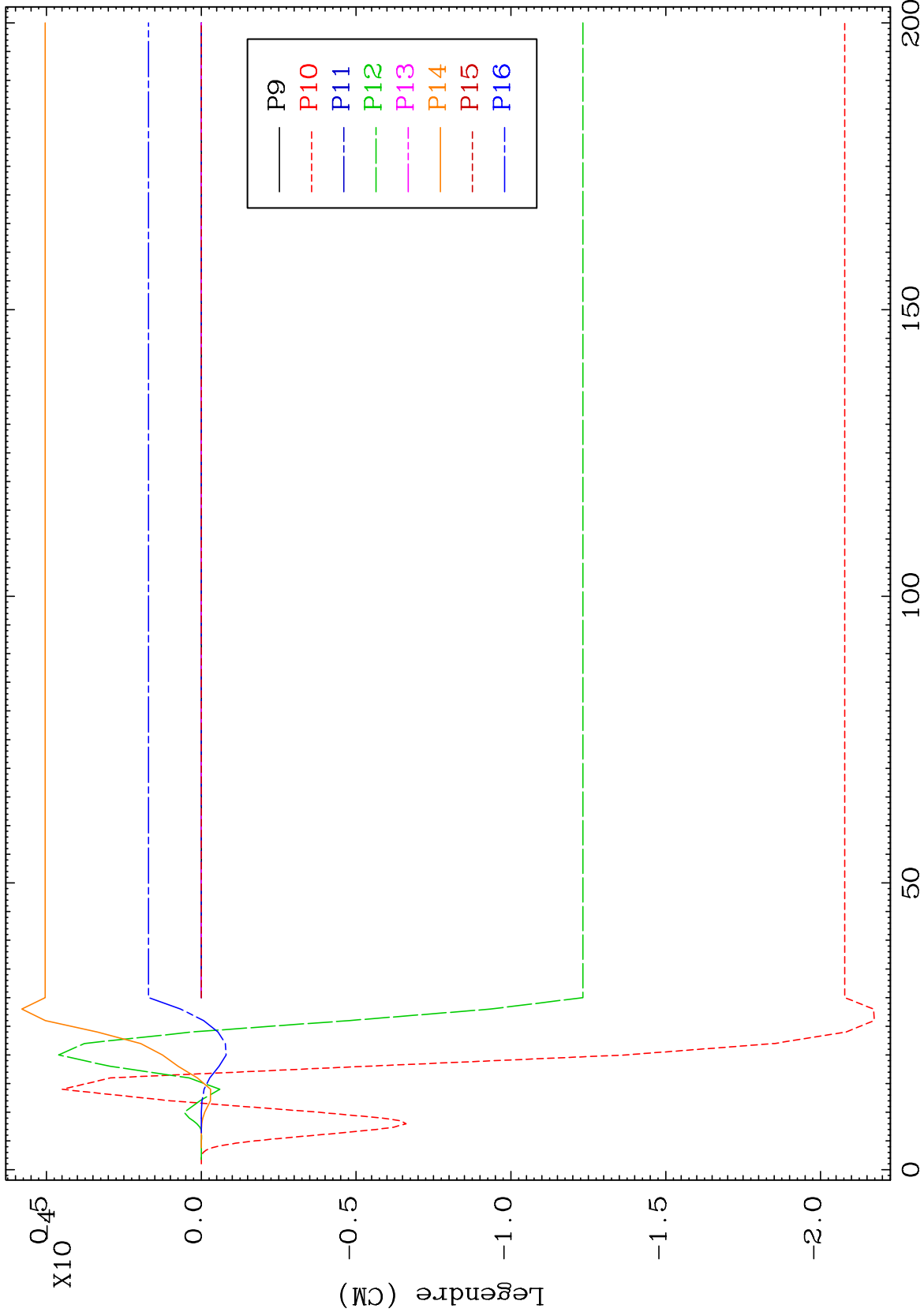
MT= 69 (n,n') Level Legendre Coefficients

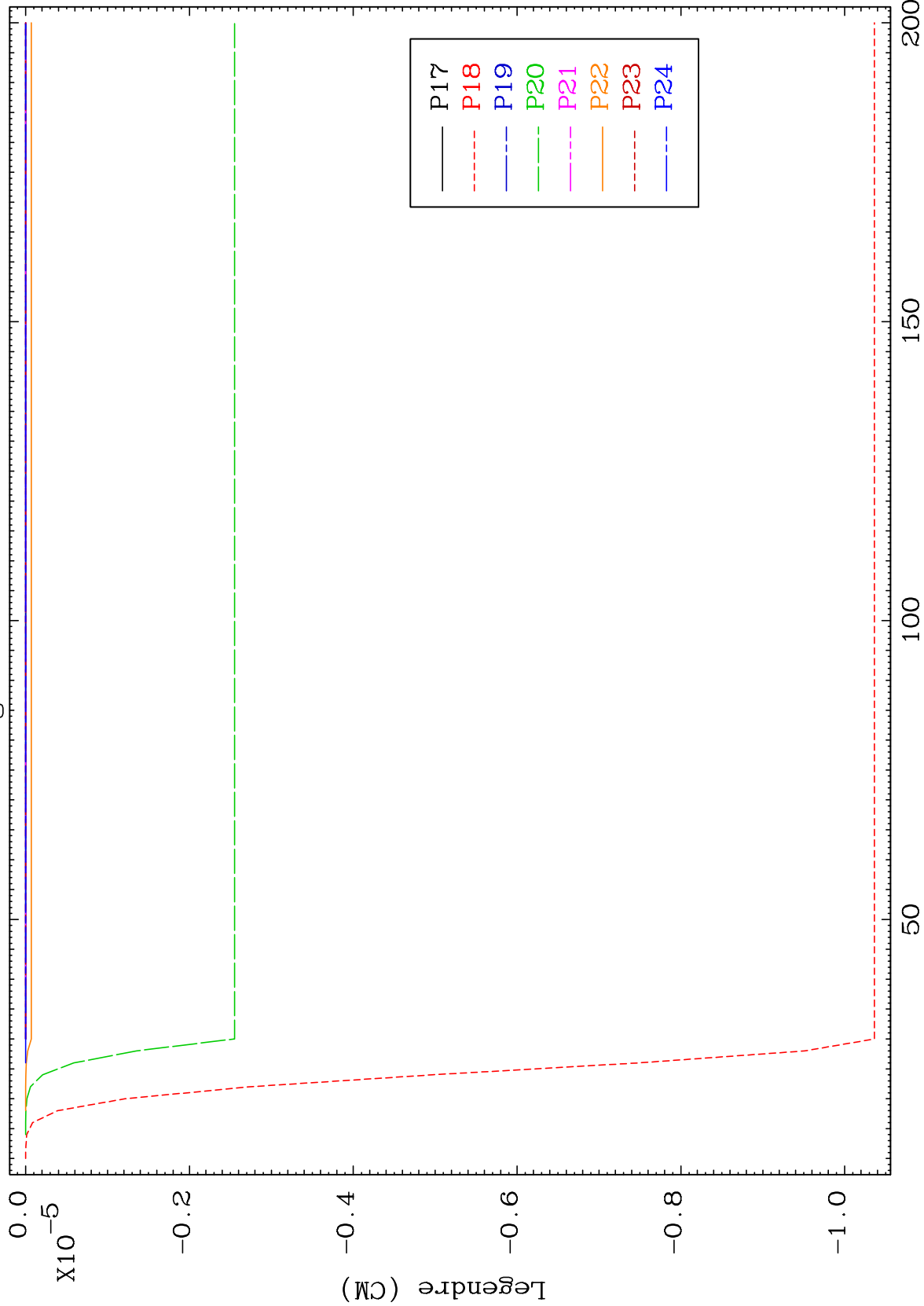
71-Lu-186

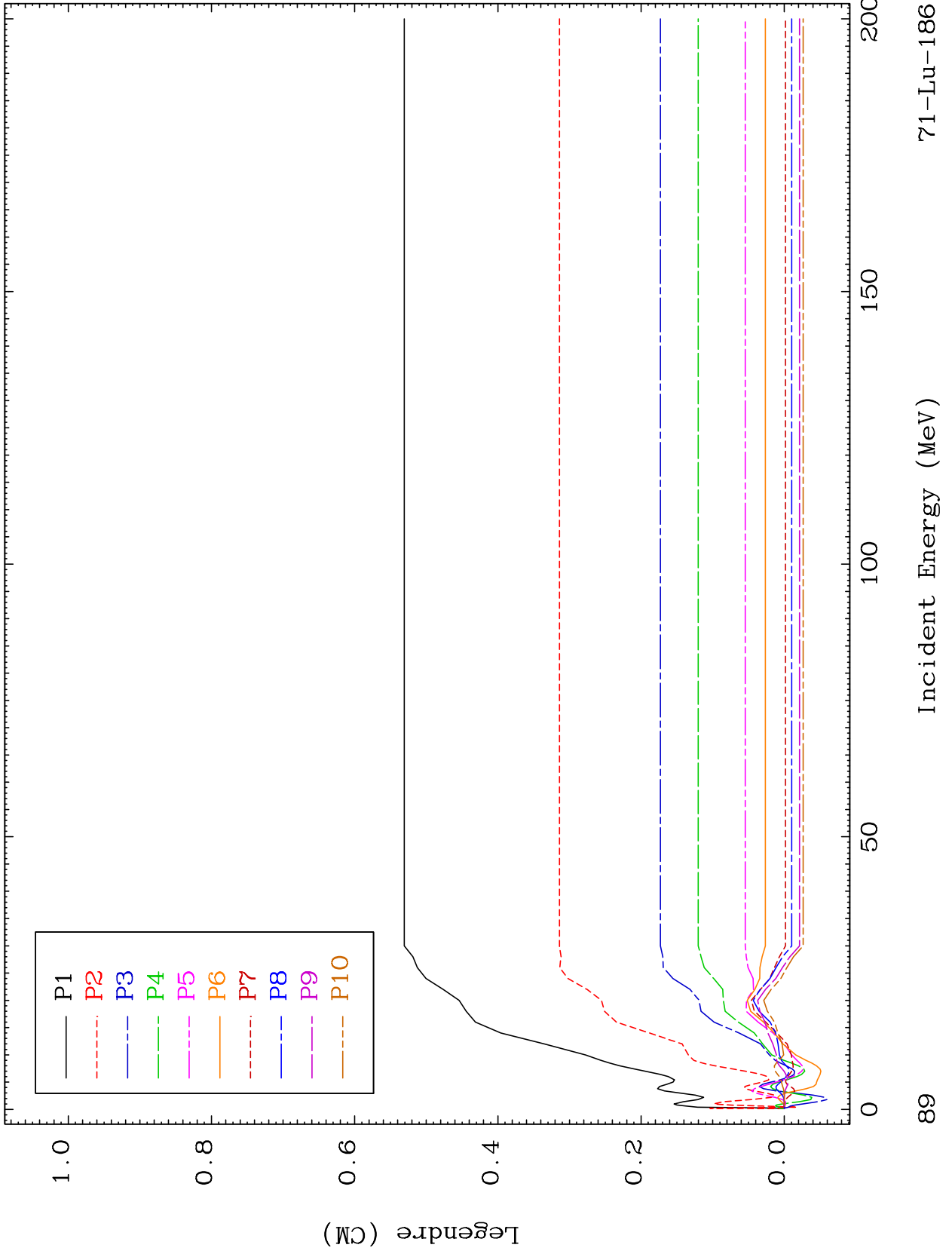


86

71-Lu-186



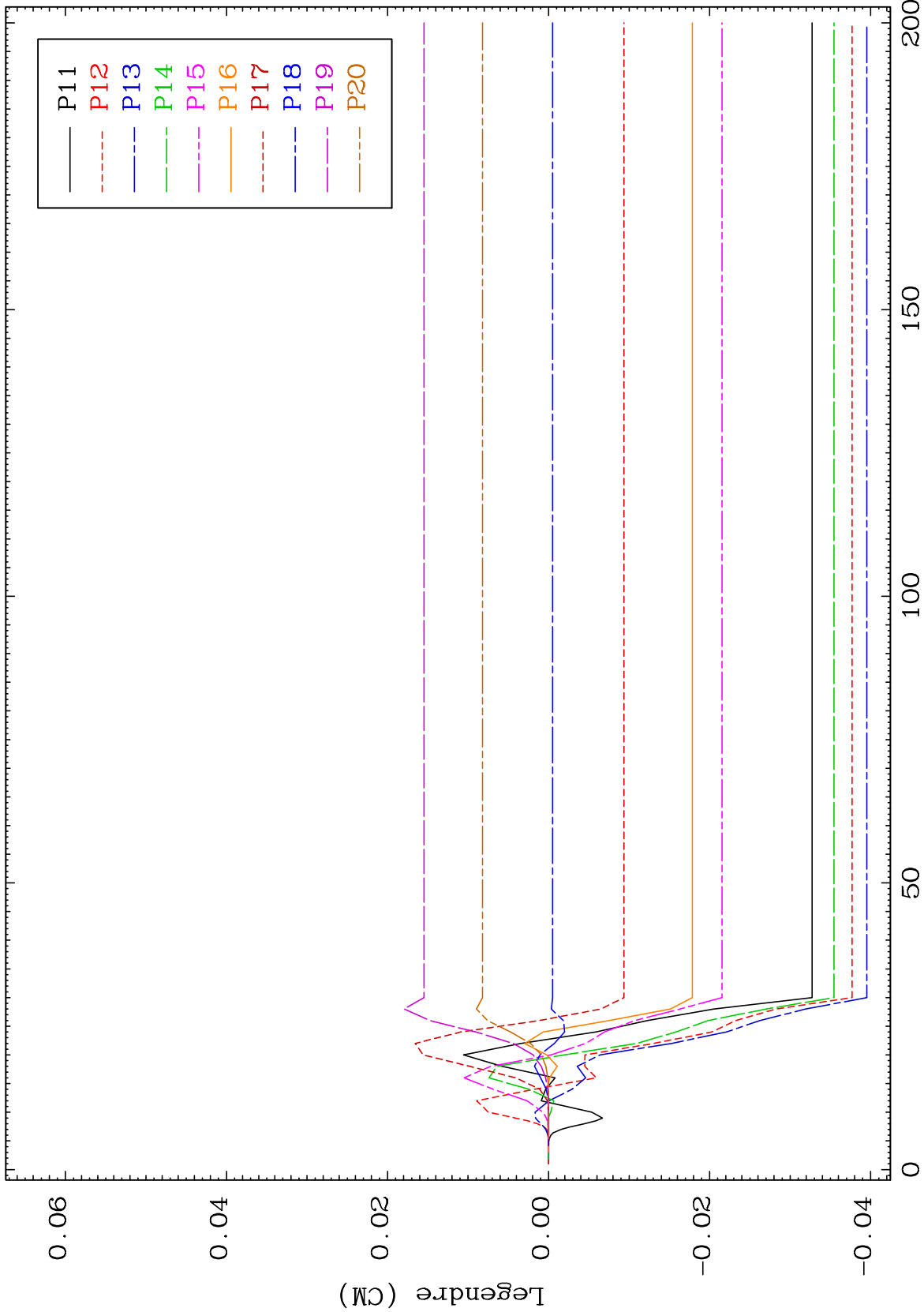




MAT 7158

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

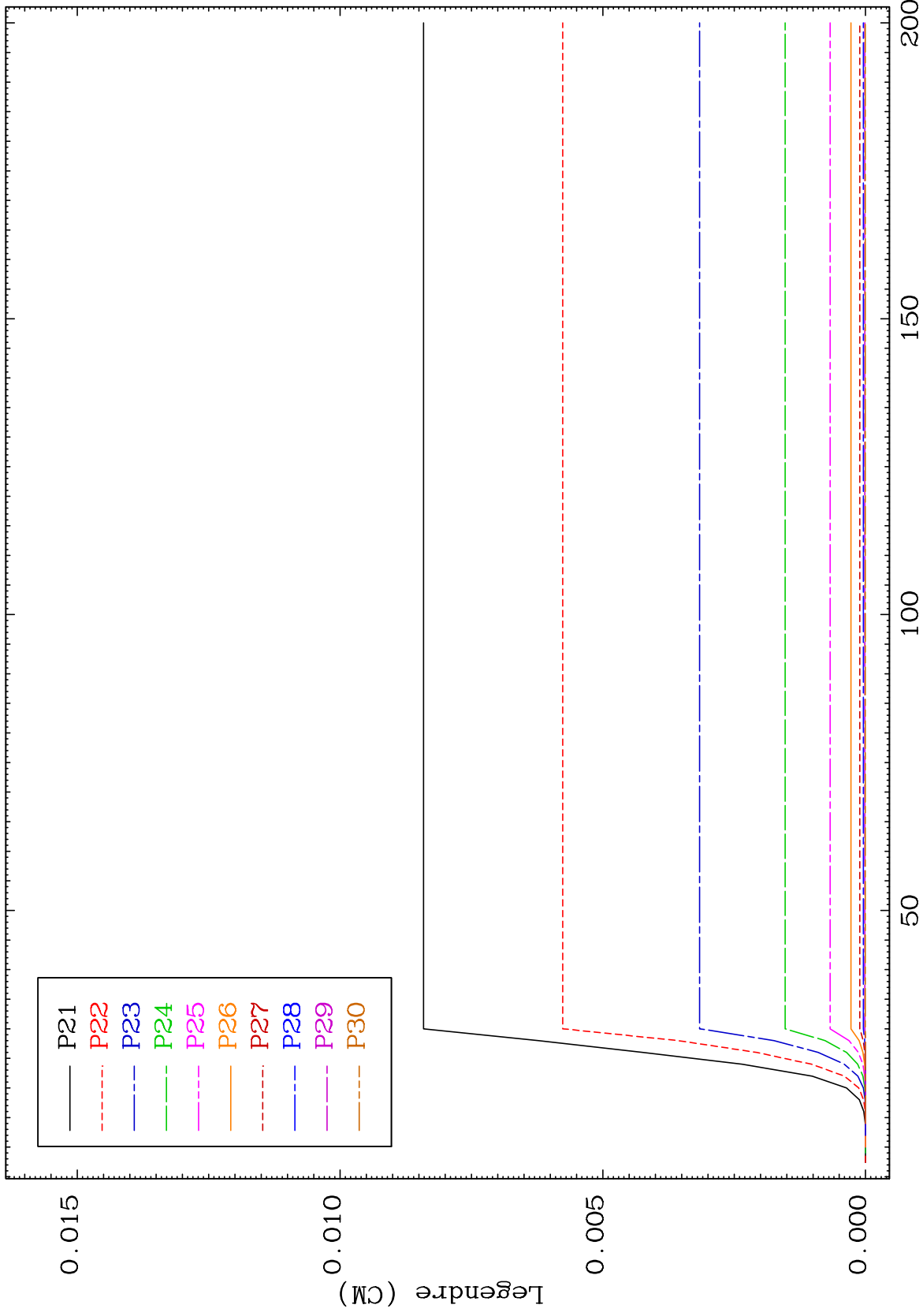
71-Lu-186

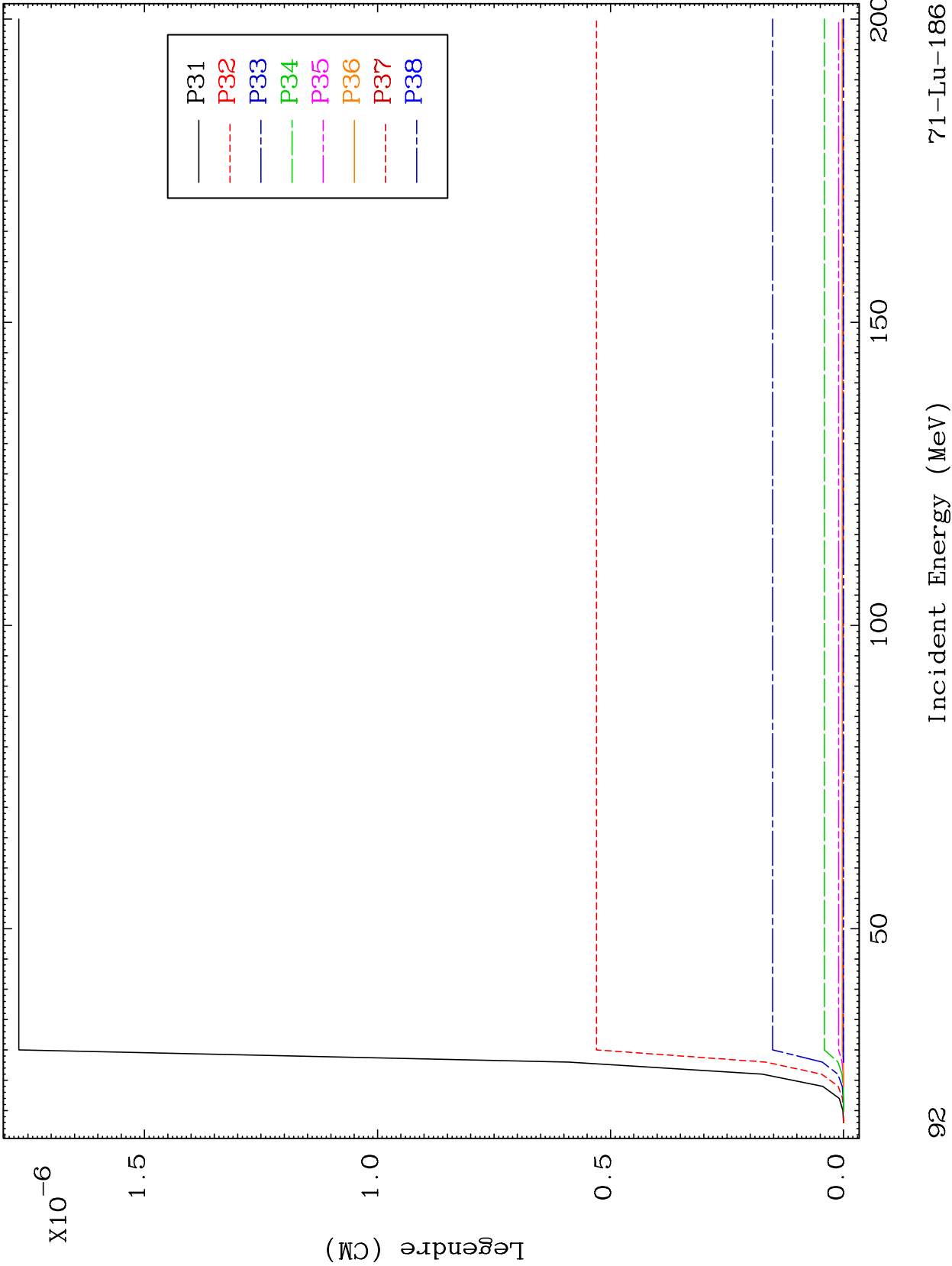


71-Lu-186

Incident Energy (MeV)

90

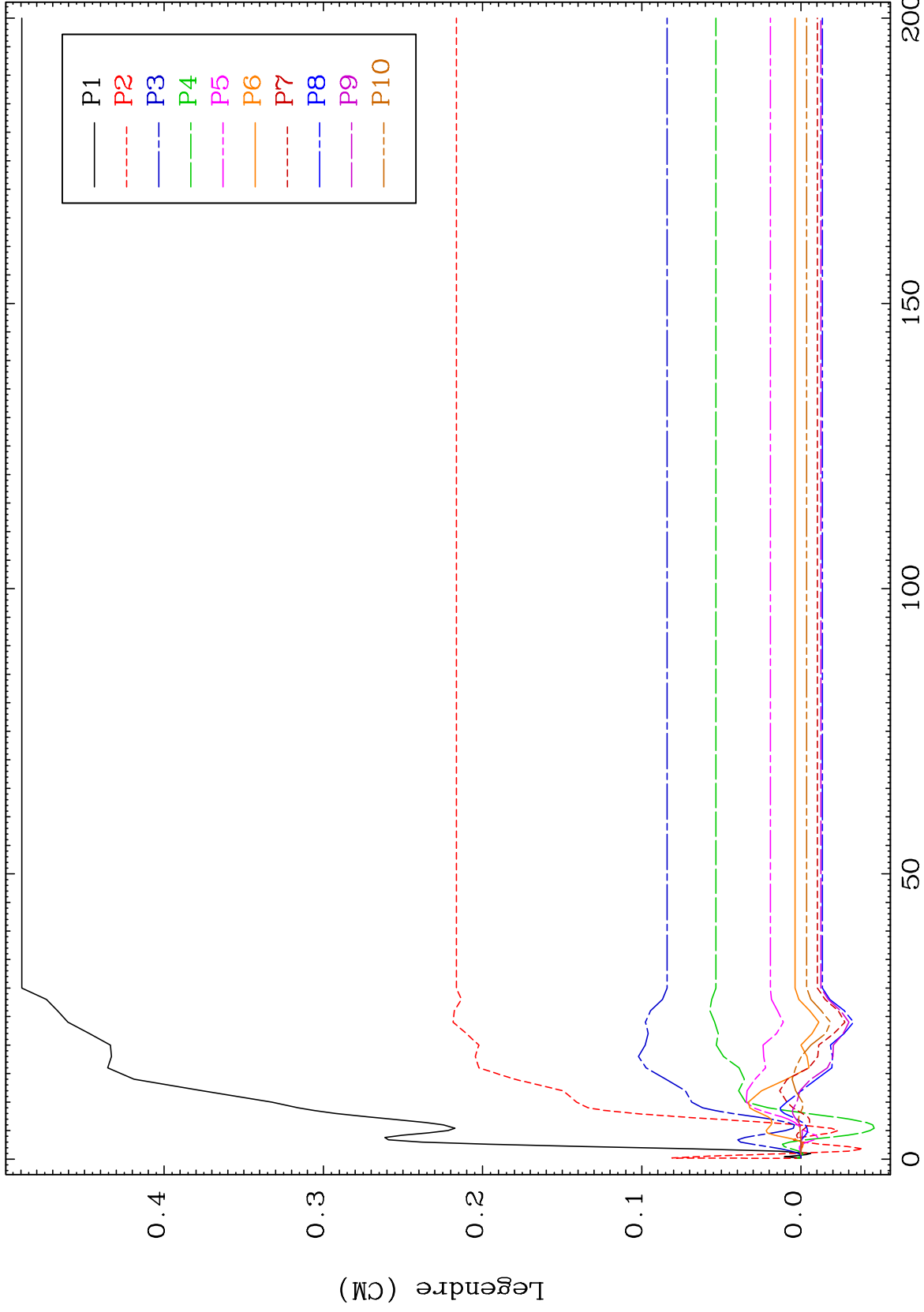




MAT 7158

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

71-Lu-186



93

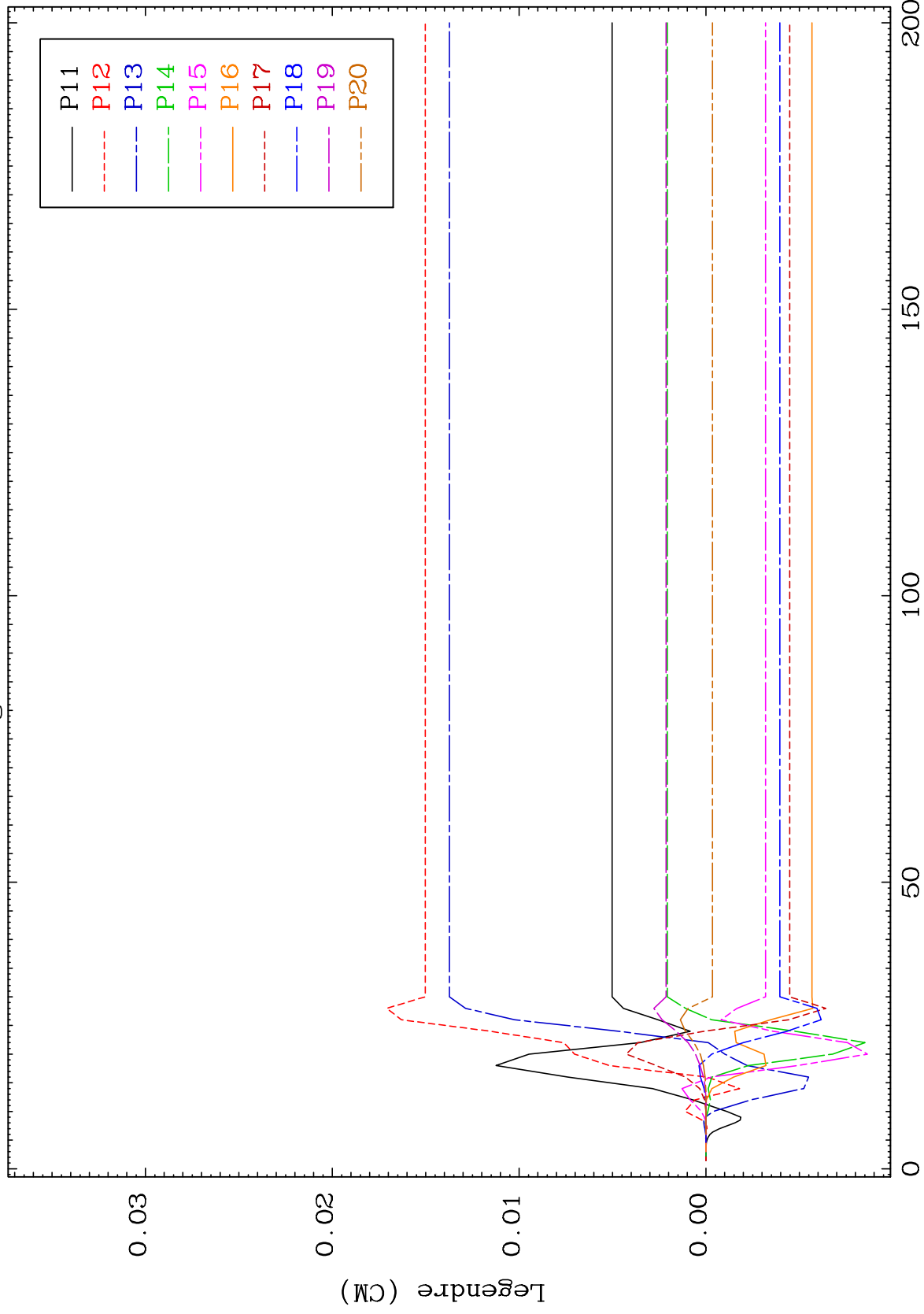
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



94

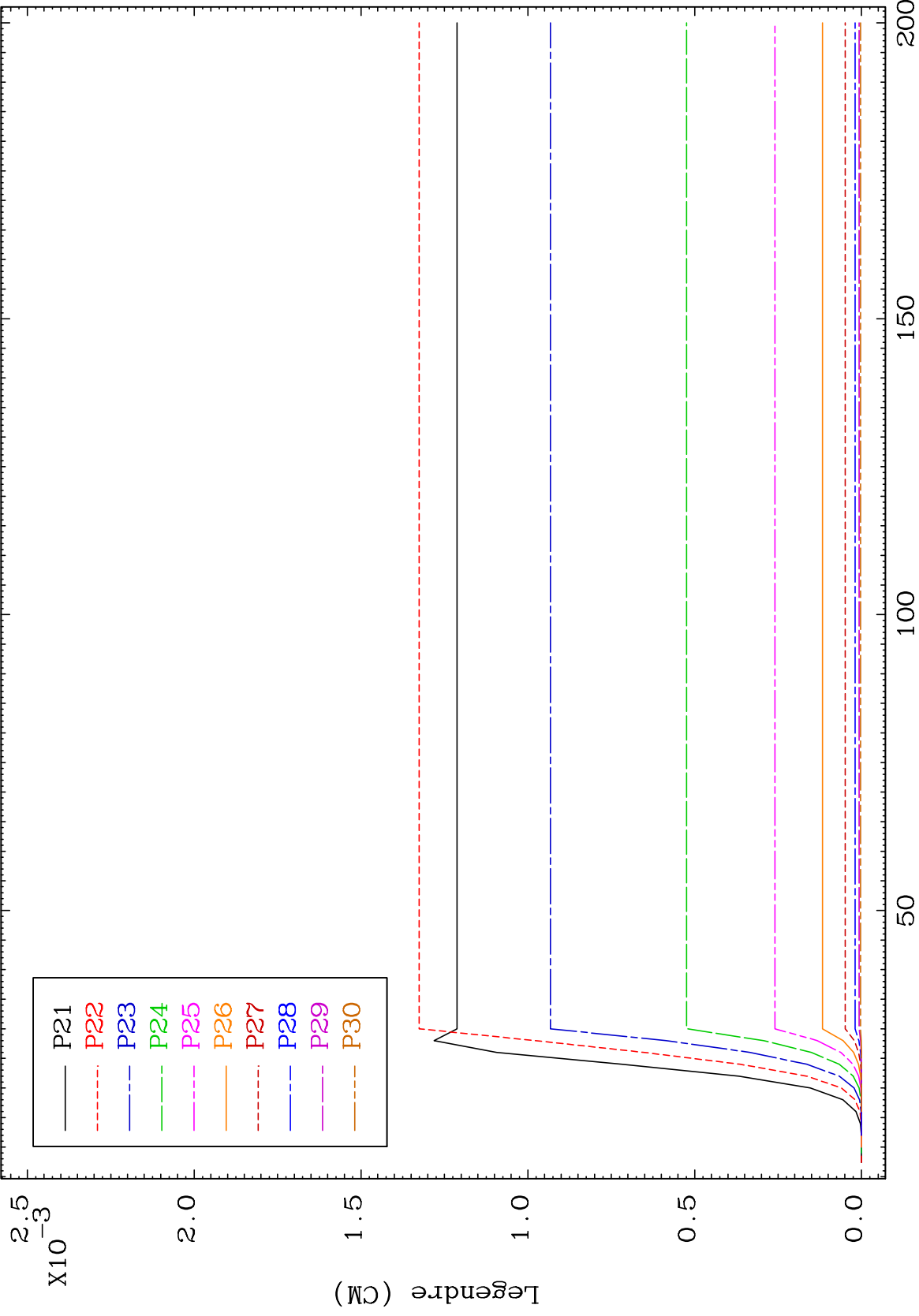
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



95

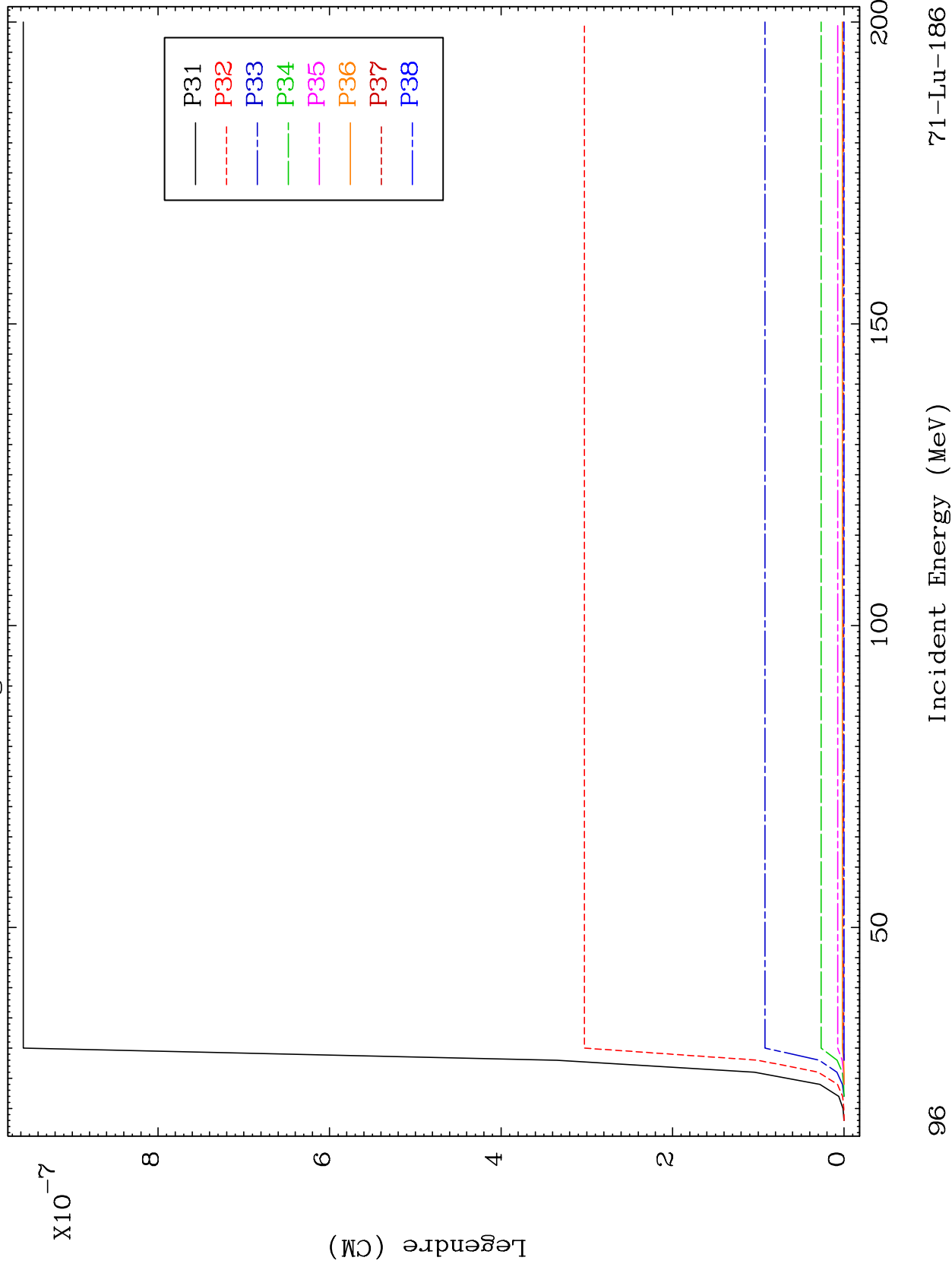
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



96

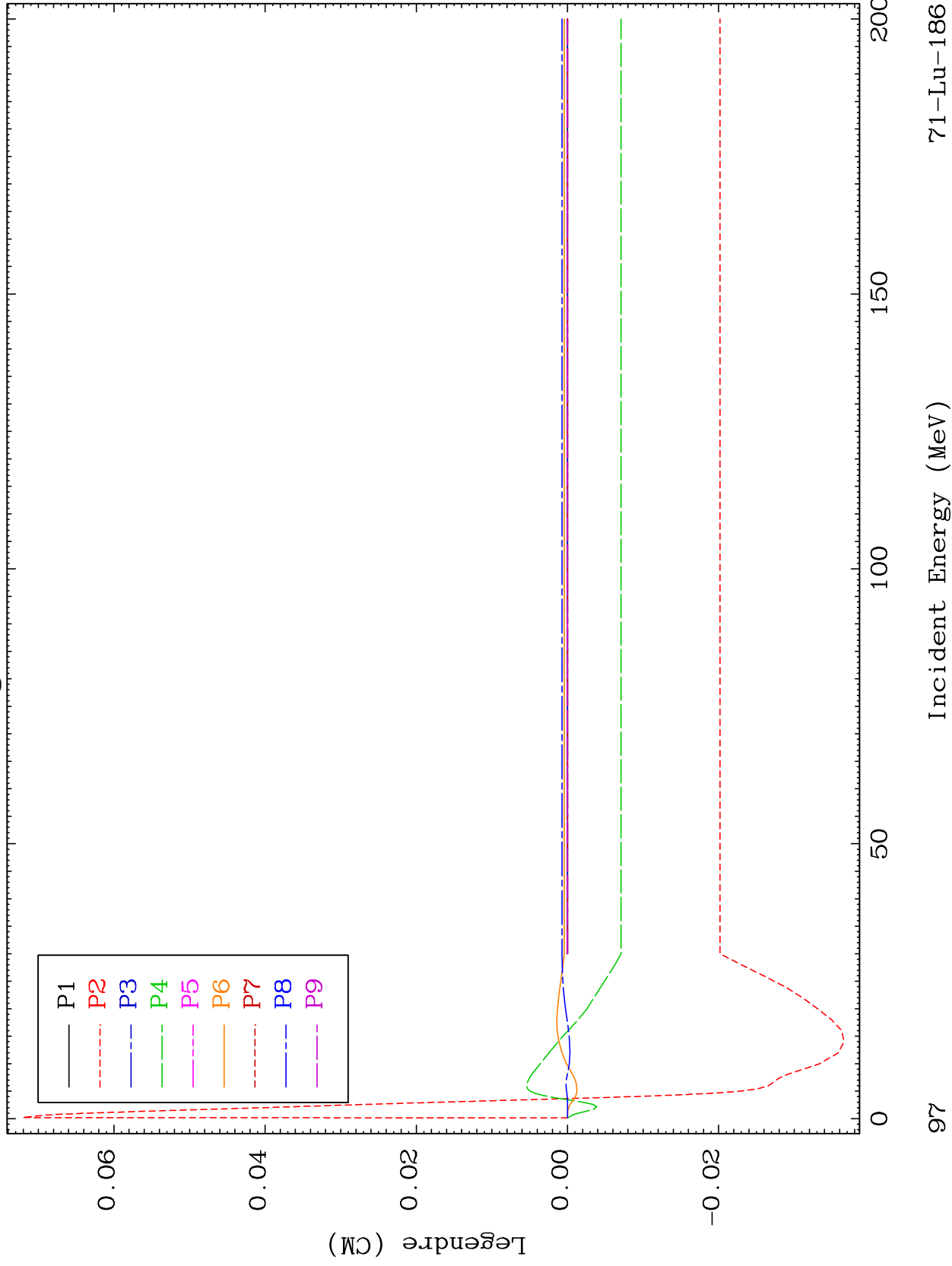
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



97

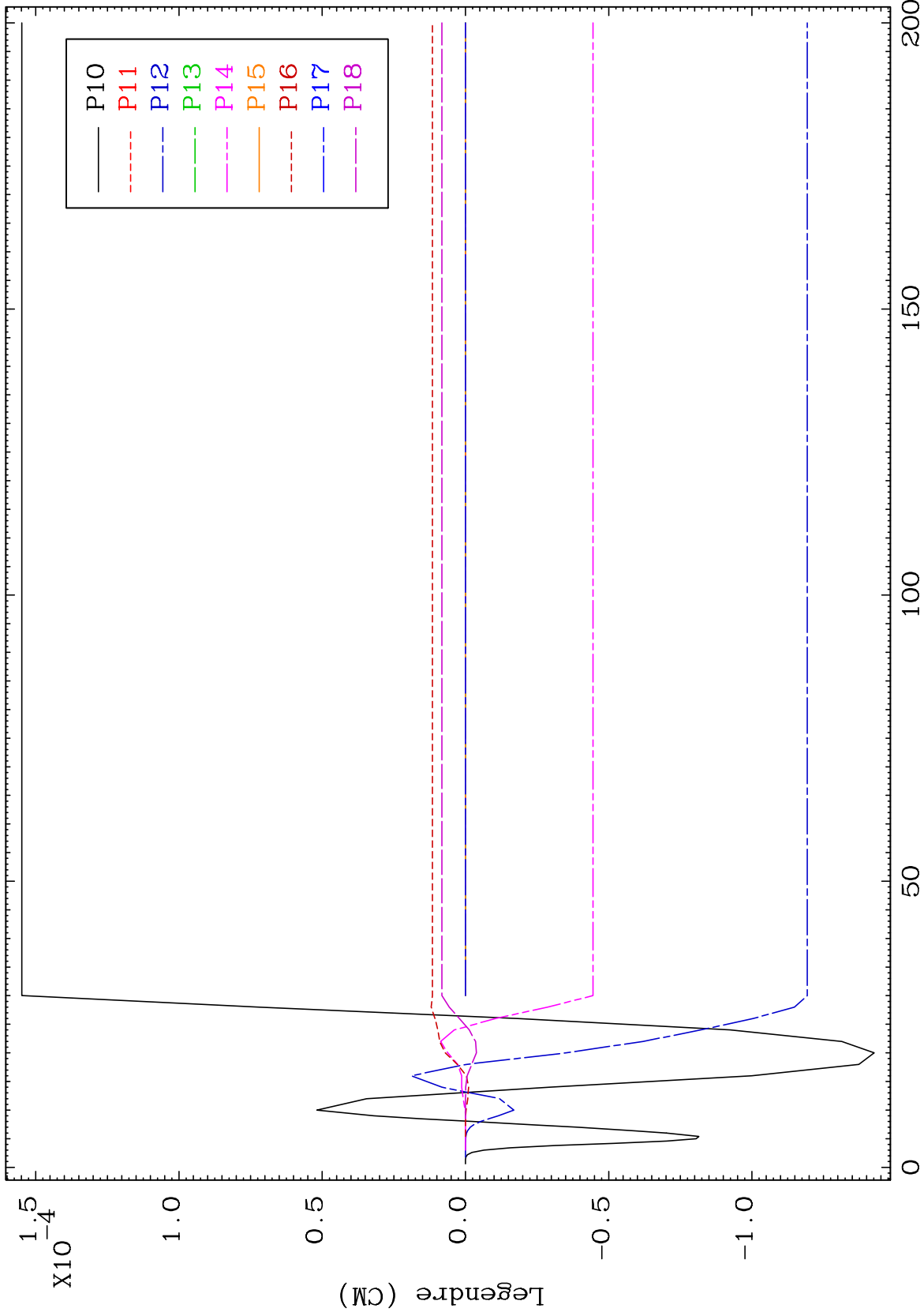
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



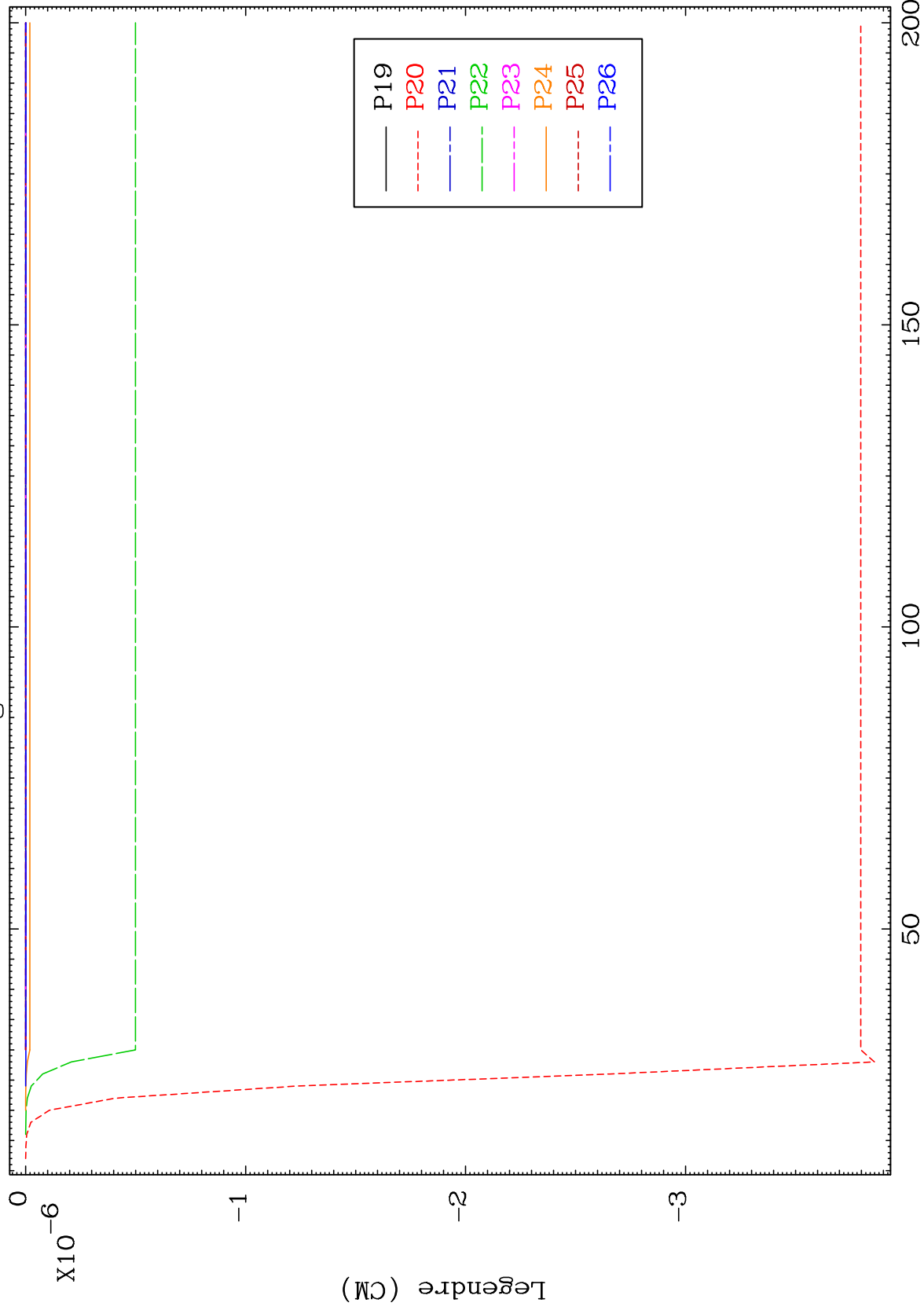
98

71-Lu-186

MAT 7158

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

71-Lu-186



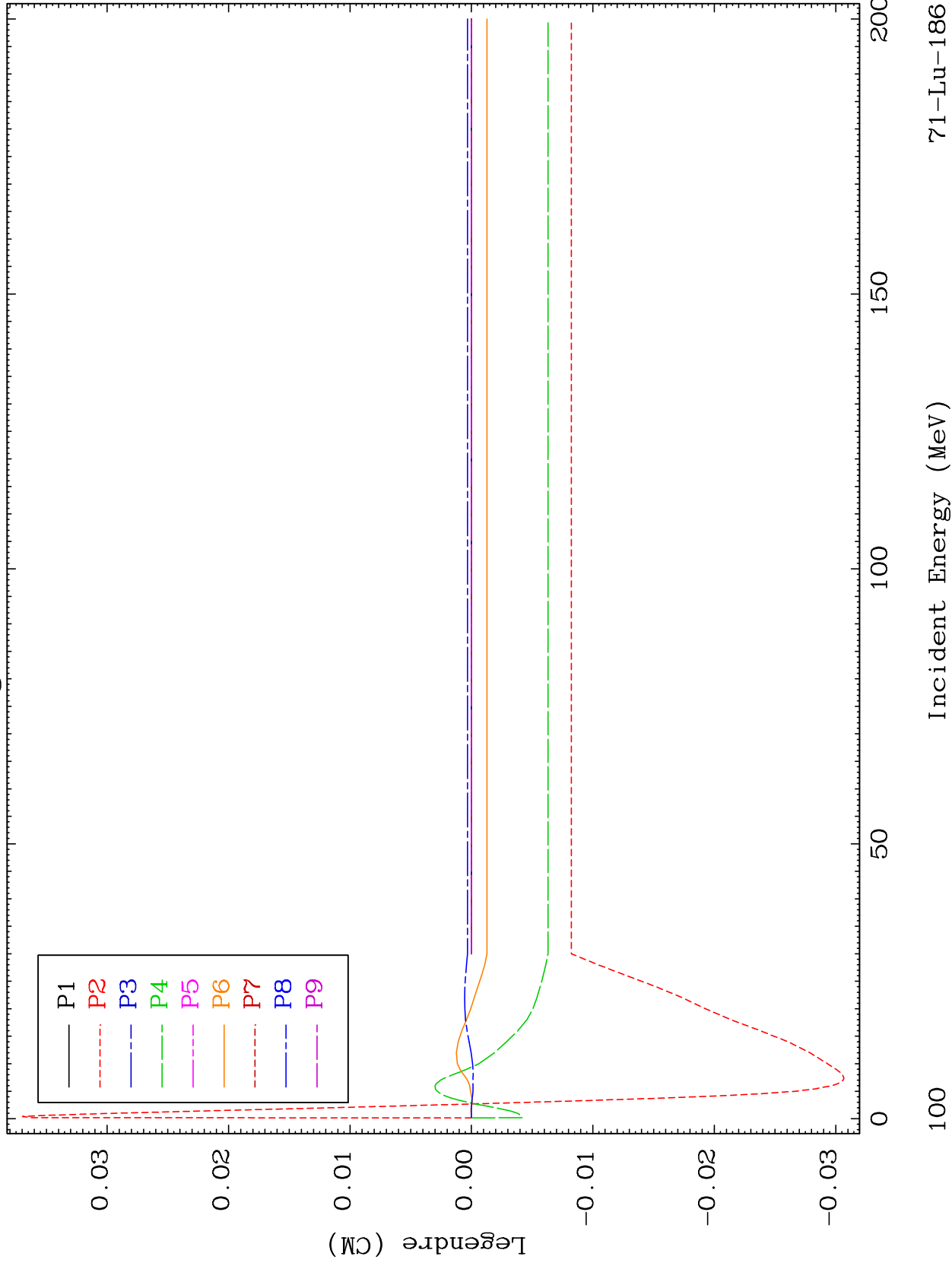
99

71-Lu-186

MAT 7158

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

71-Lu-186



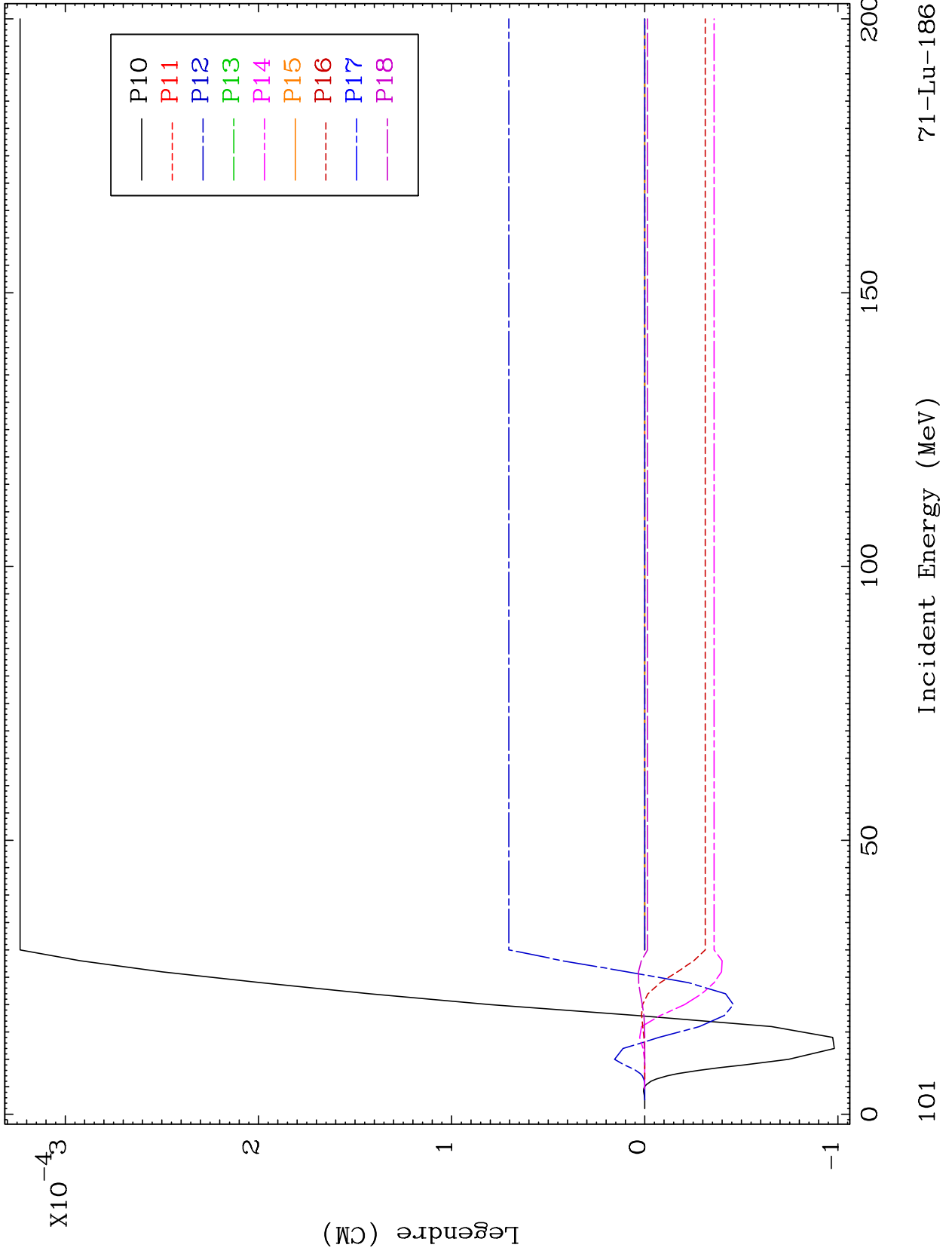
71-Lu-186

Incident Energy (MeV)

MAT 7158

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

71-Lu-186



101

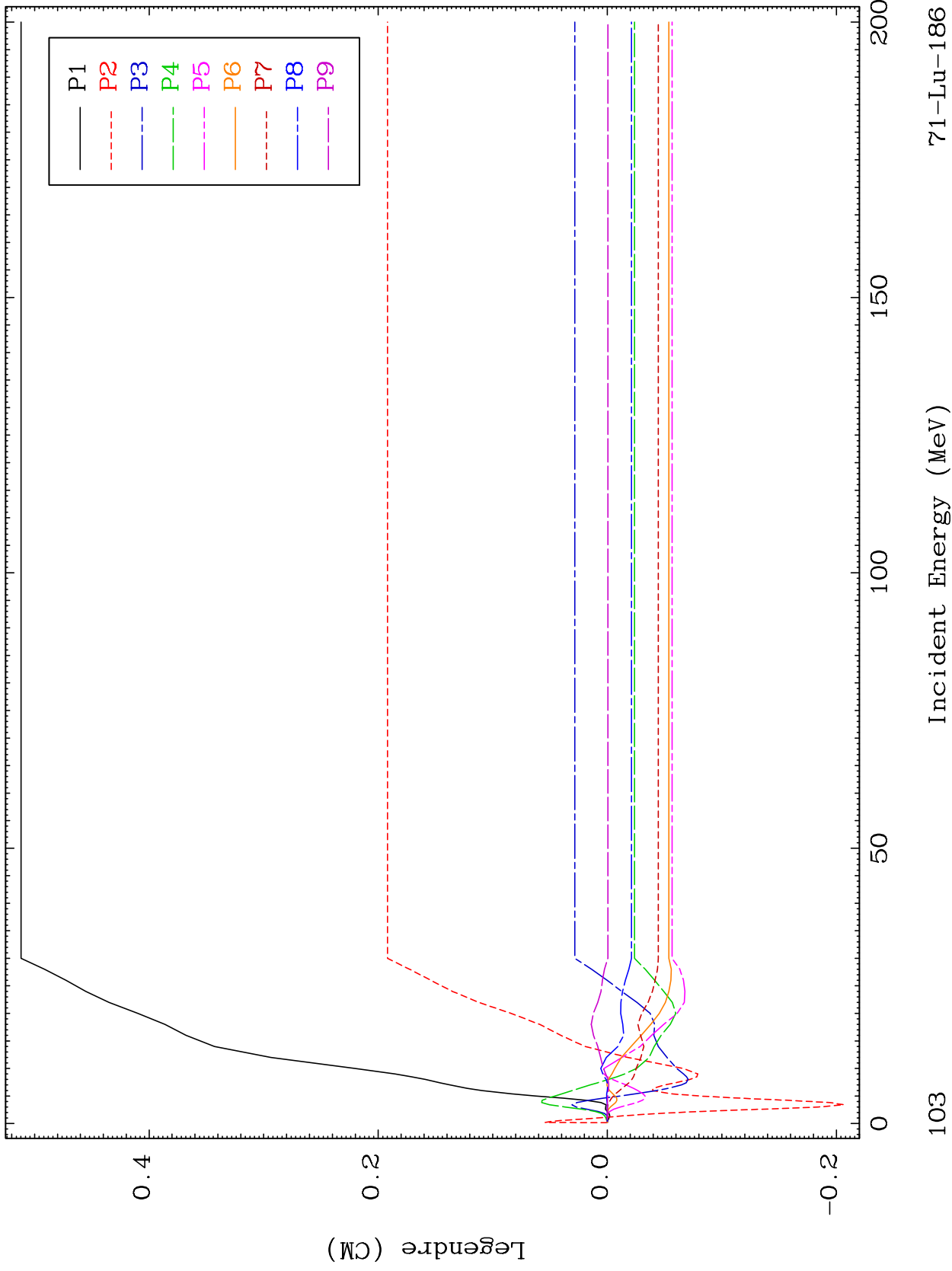
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

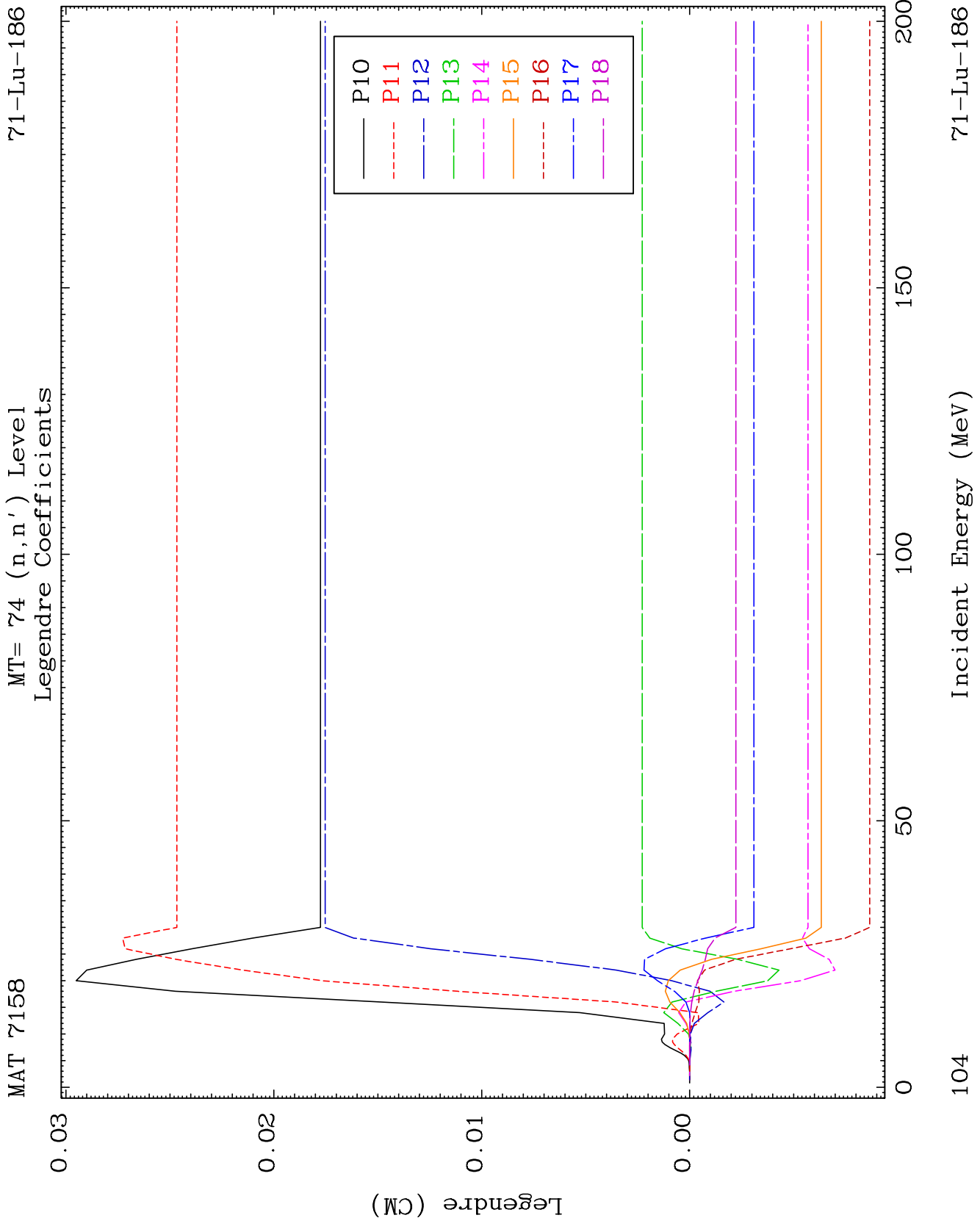
71-Lu-186



71-Lu-186

Incident Energy (MeV)

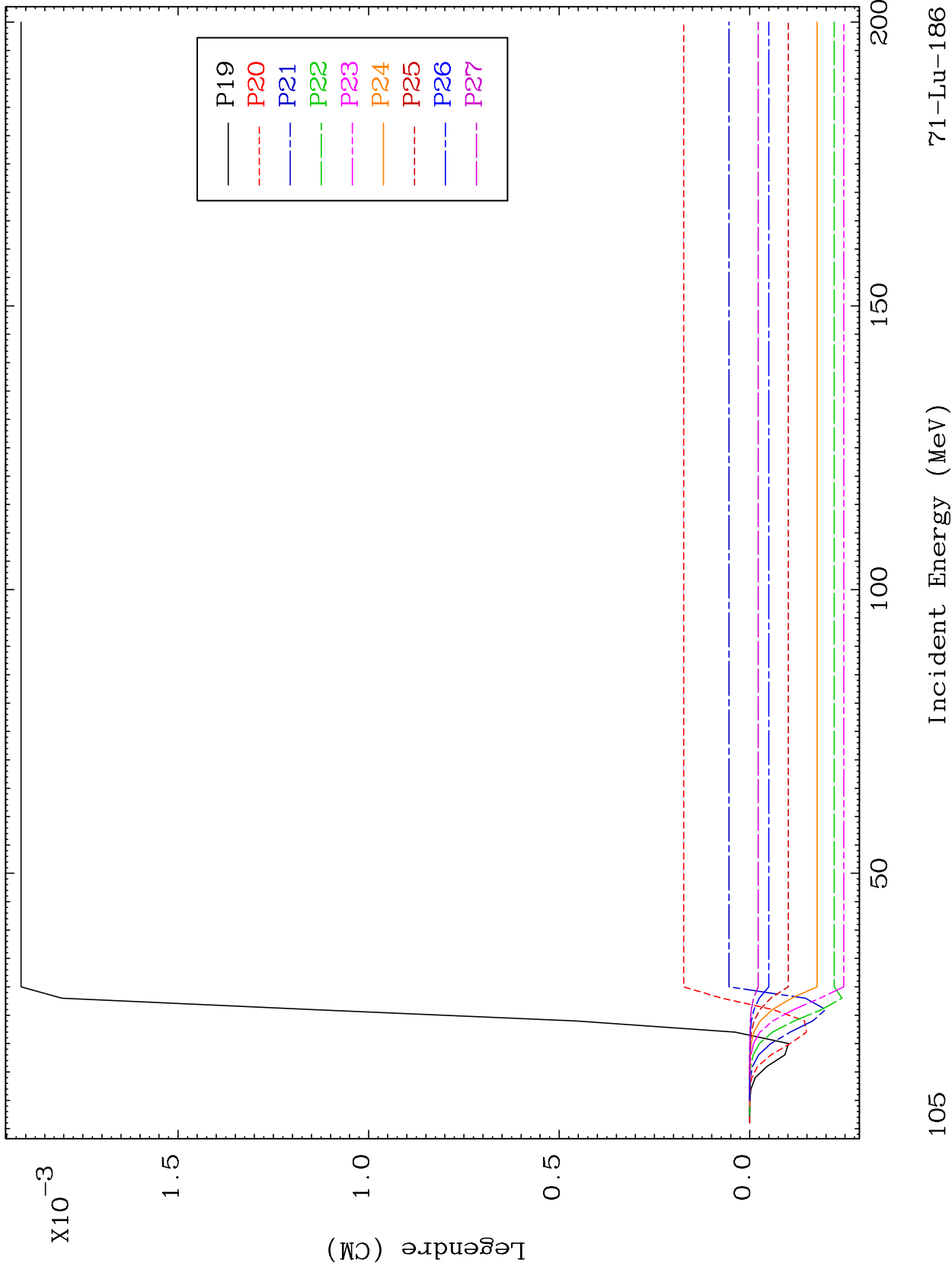
103



MAT 7158

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

71-Lu-186

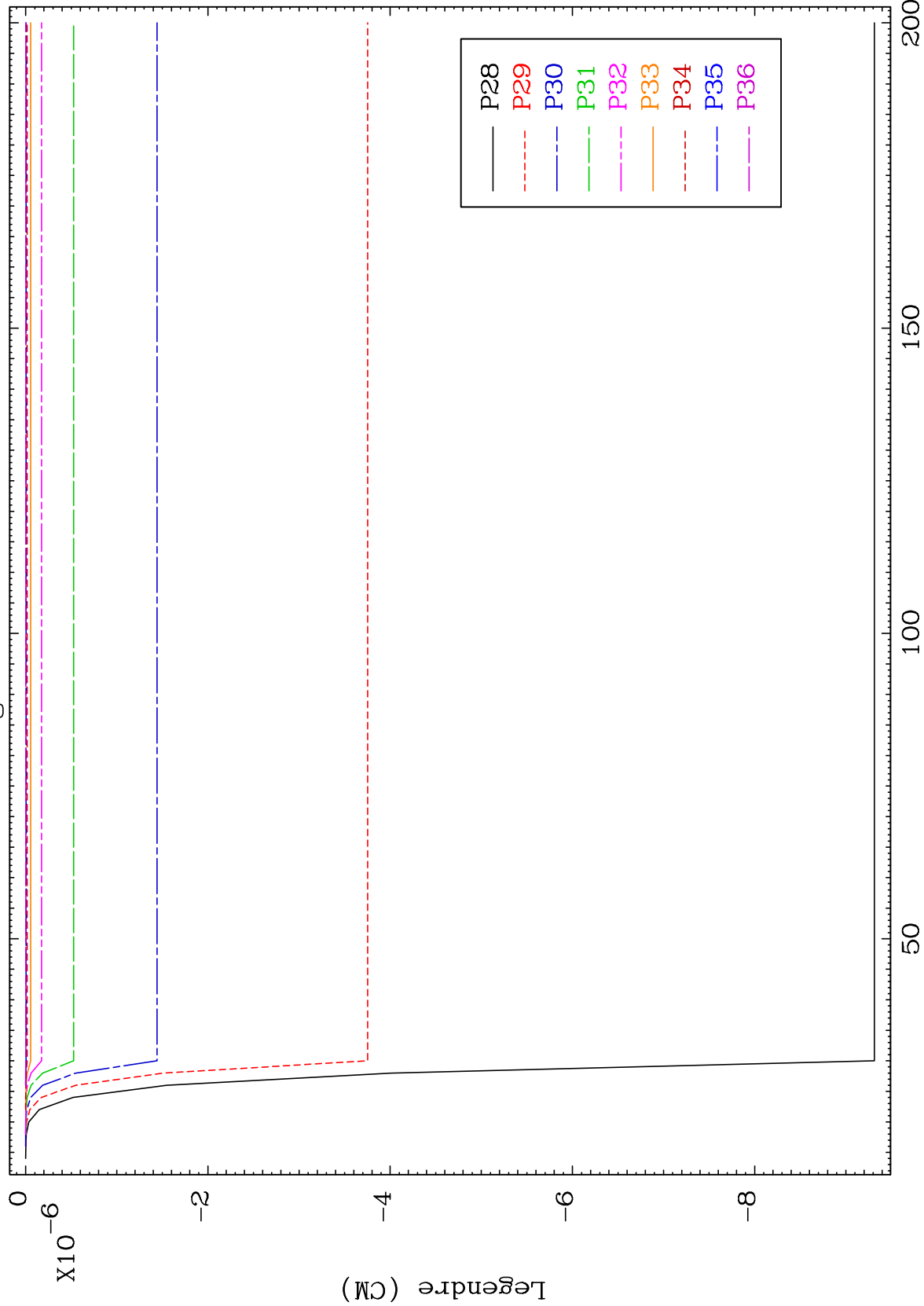


105

Incident Energy (MeV)

71-Lu-186

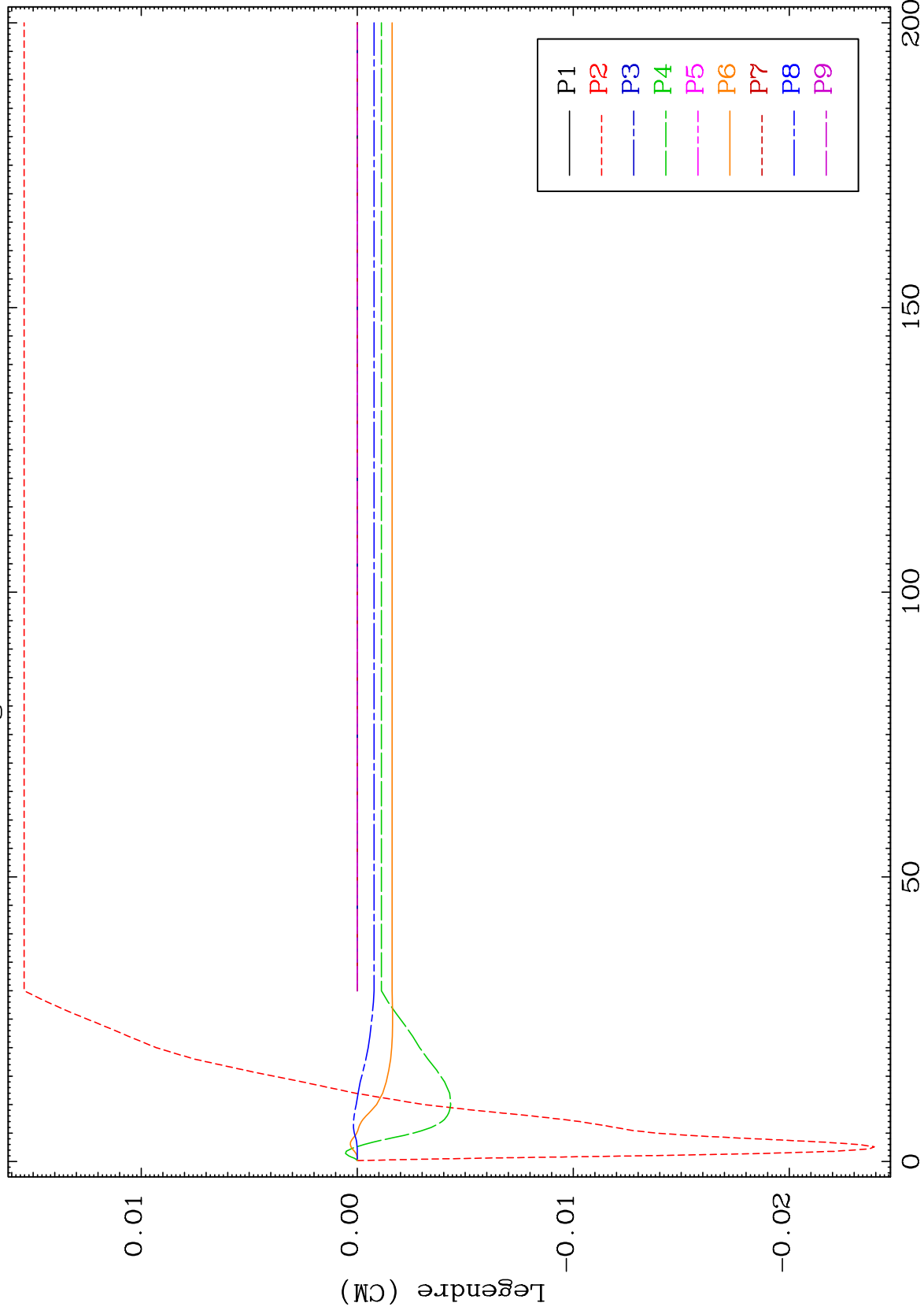
Legendre Coefficients



MAT 7158

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

71-Lu-186



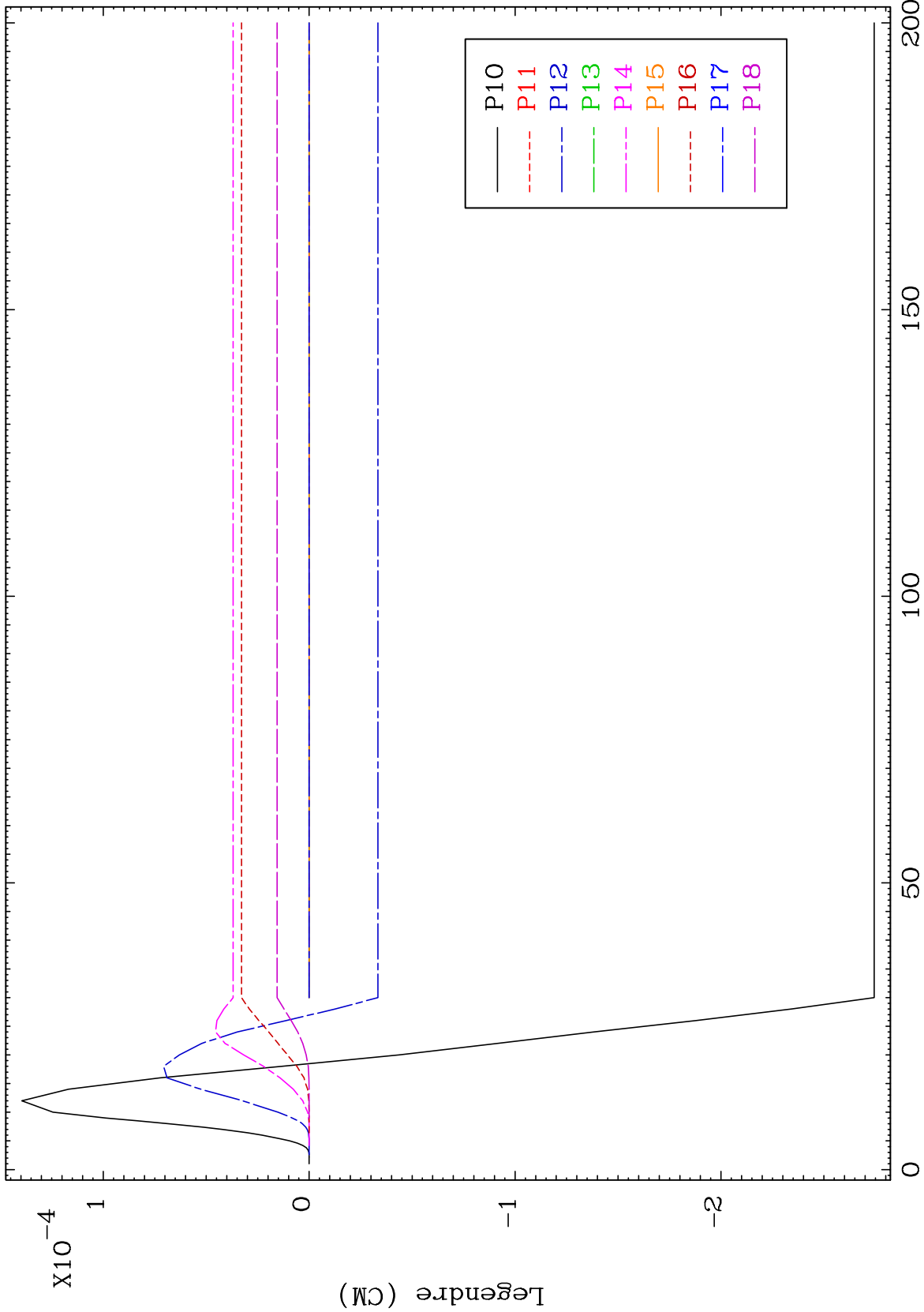
107

71-Lu-186

MAT 7158

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

71-Lu-186



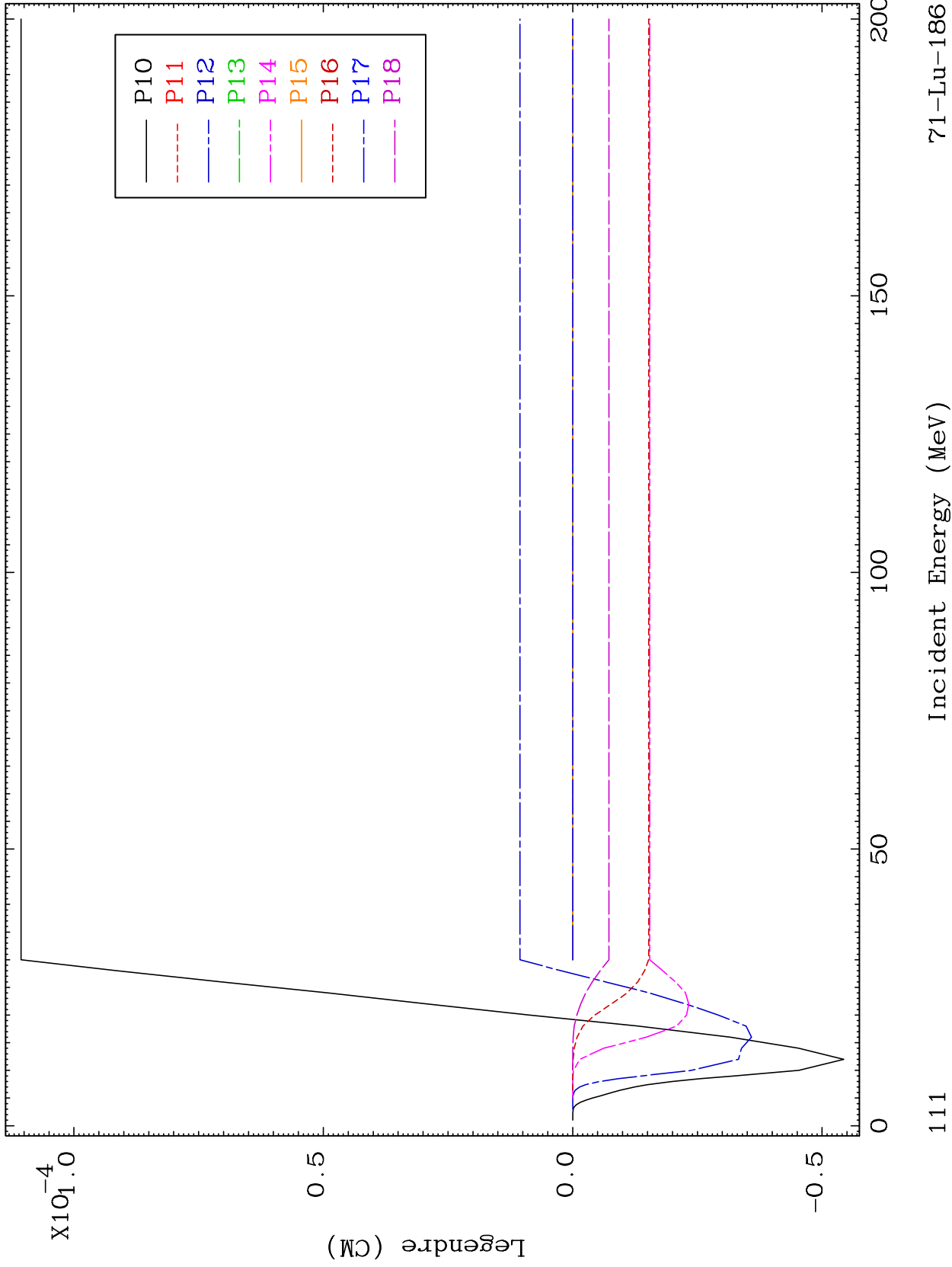
108

71-Lu-186

MAT 7158

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

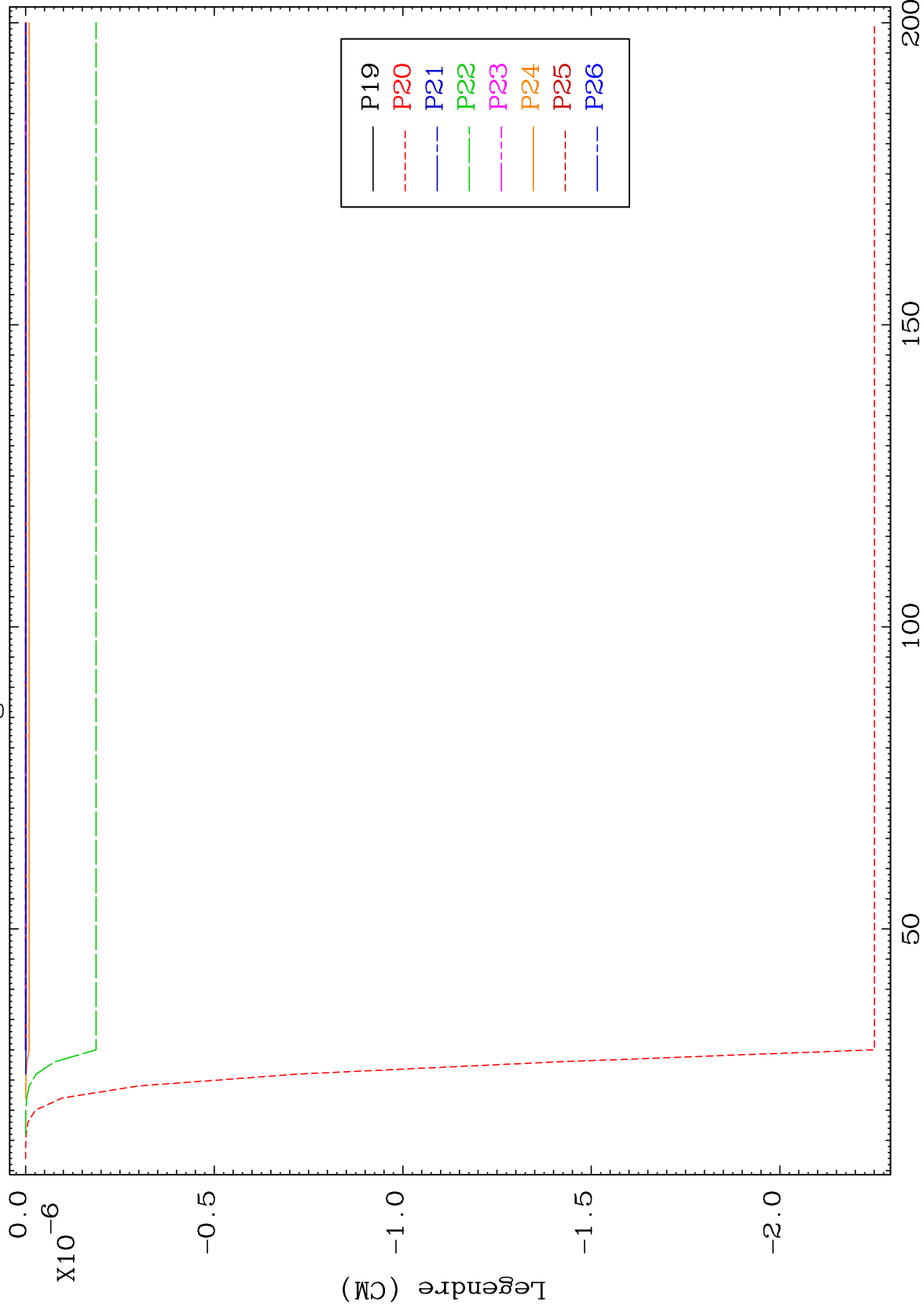
71-Lu-186



MAT 7158

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

71-Lu-186



71-Lu-186

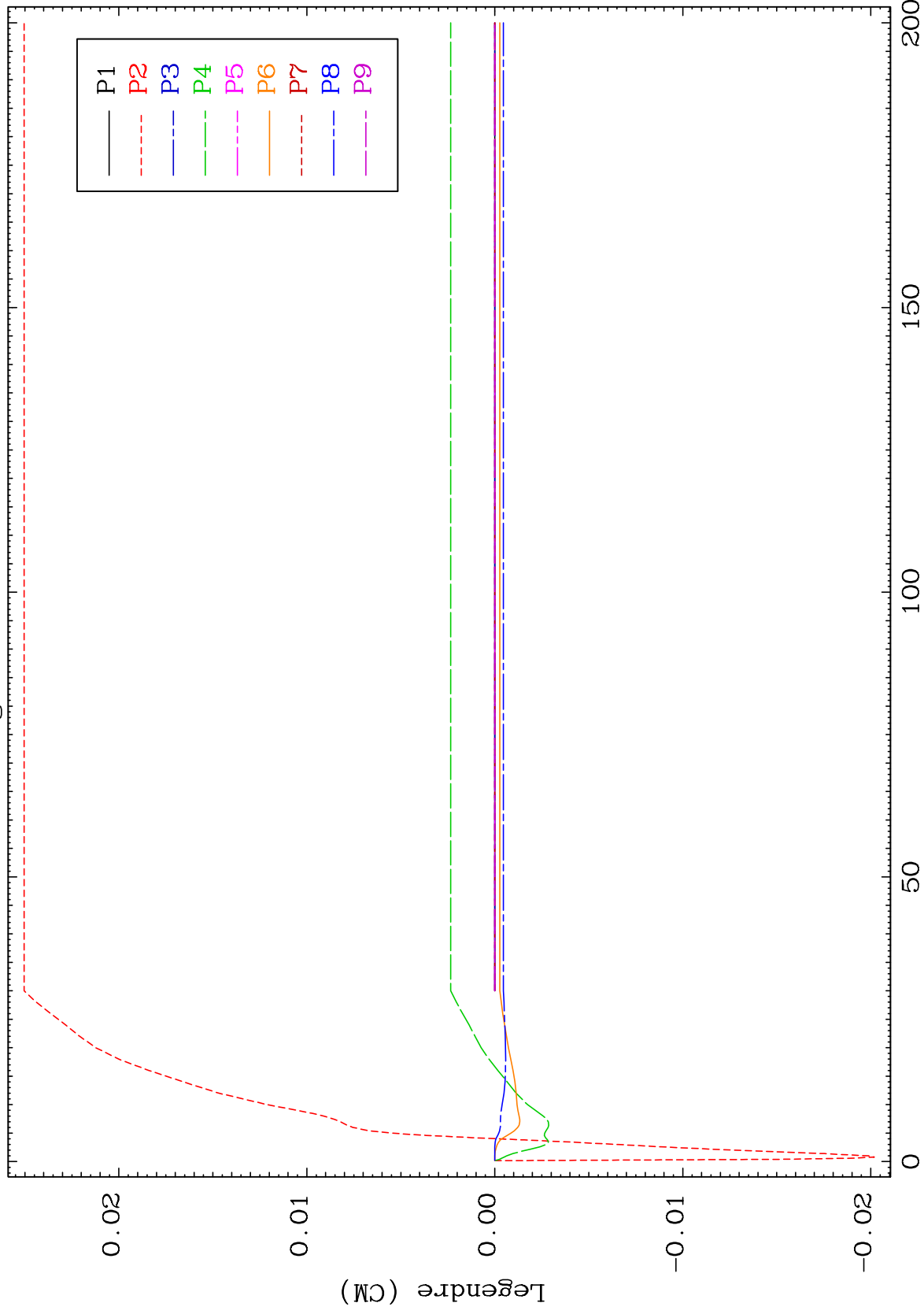
Incident Energy (MeV)

112

MAT 7158

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

71-Lu-186



113

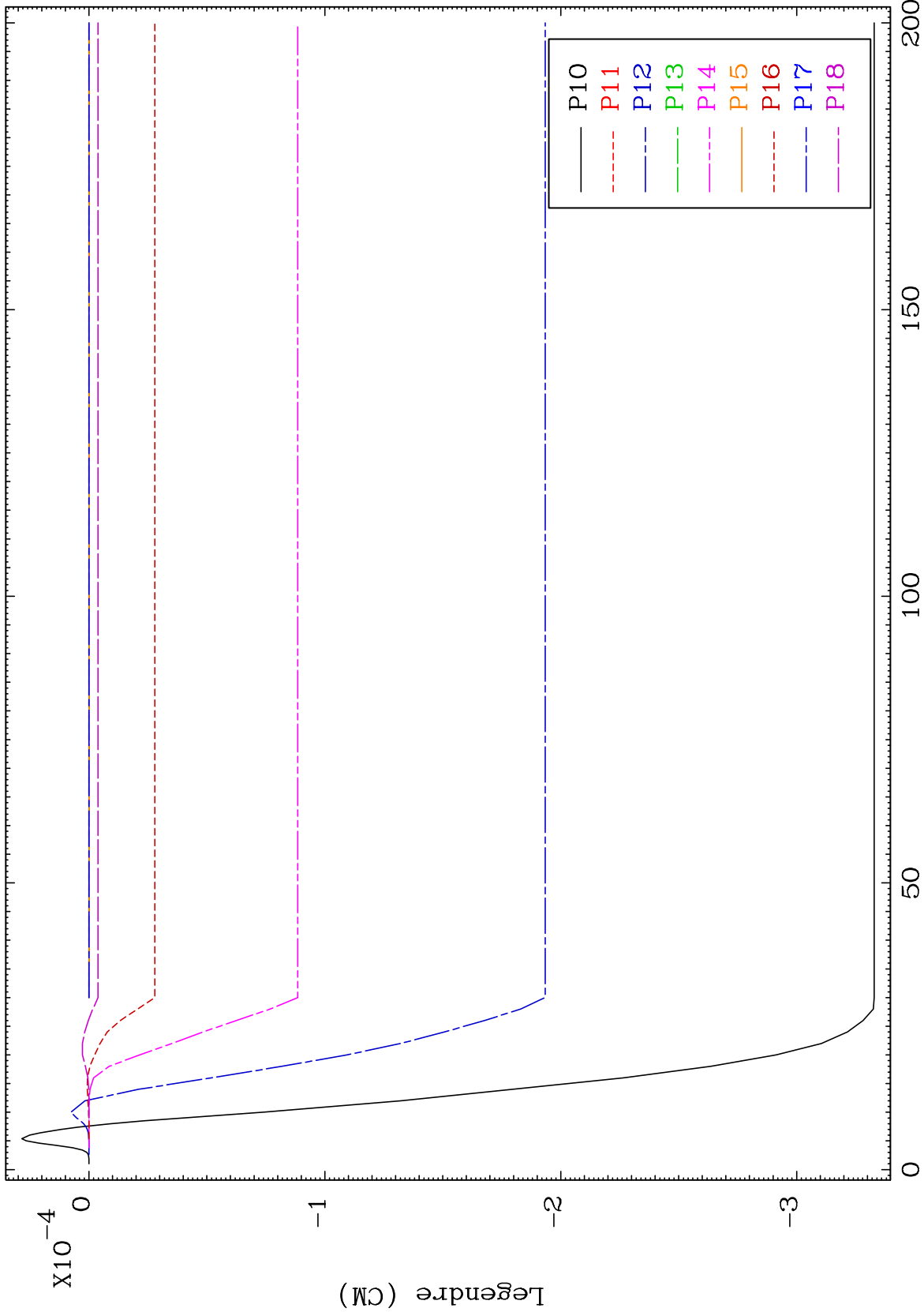
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

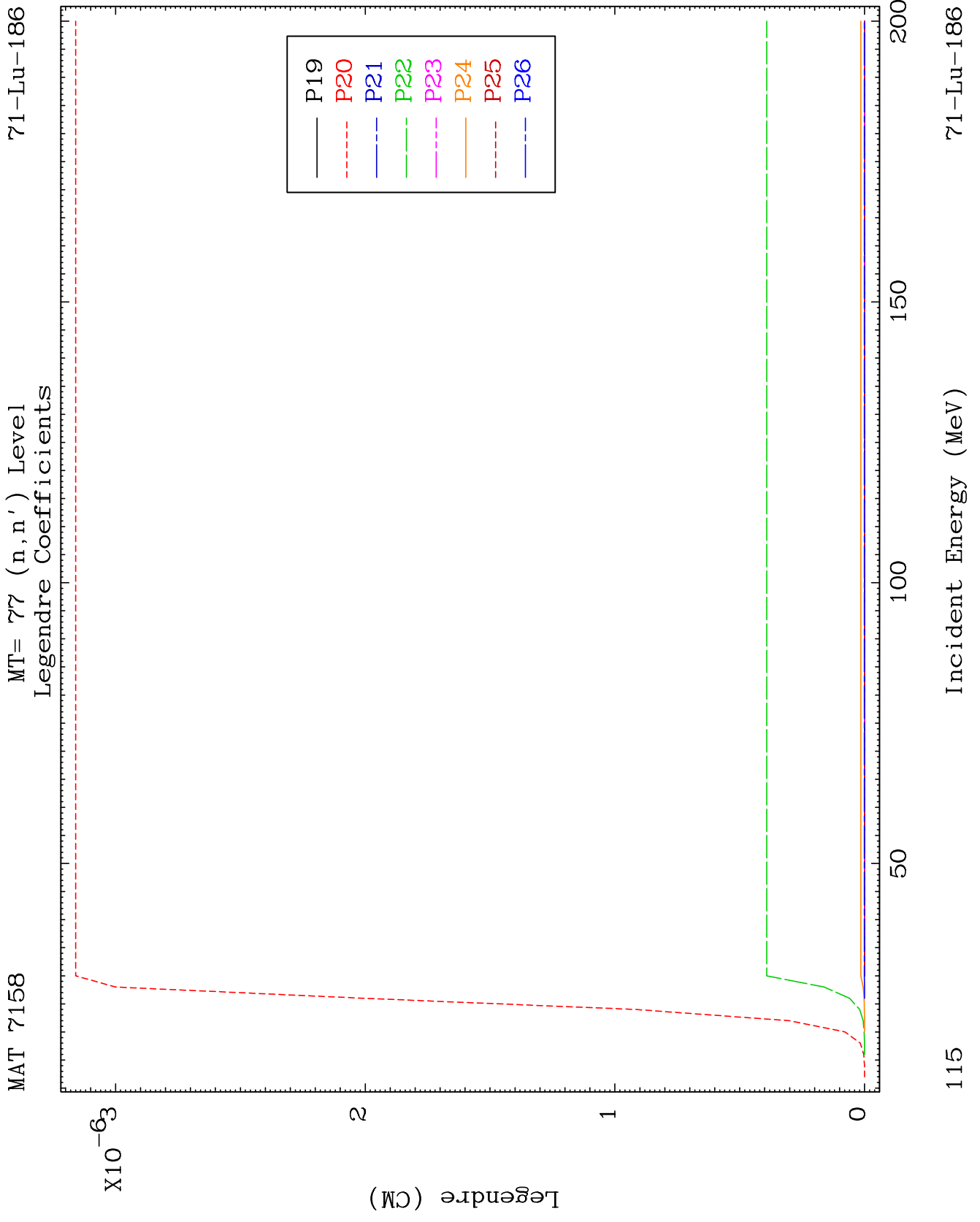
71-Lu-186



114

Incident Energy (MeV)

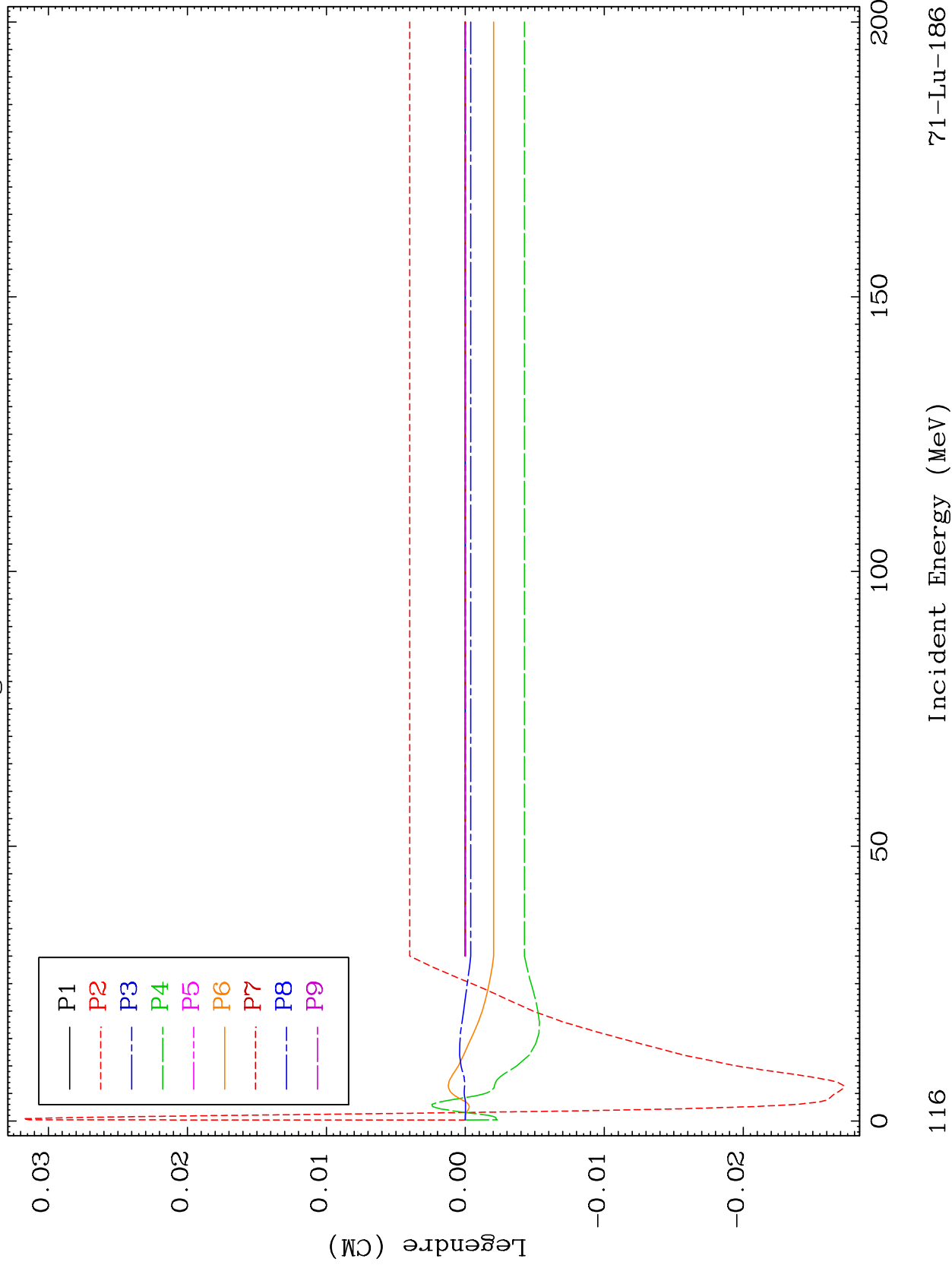
71-Lu-186



MAT 7158

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

71-Lu-186



71-Lu-186

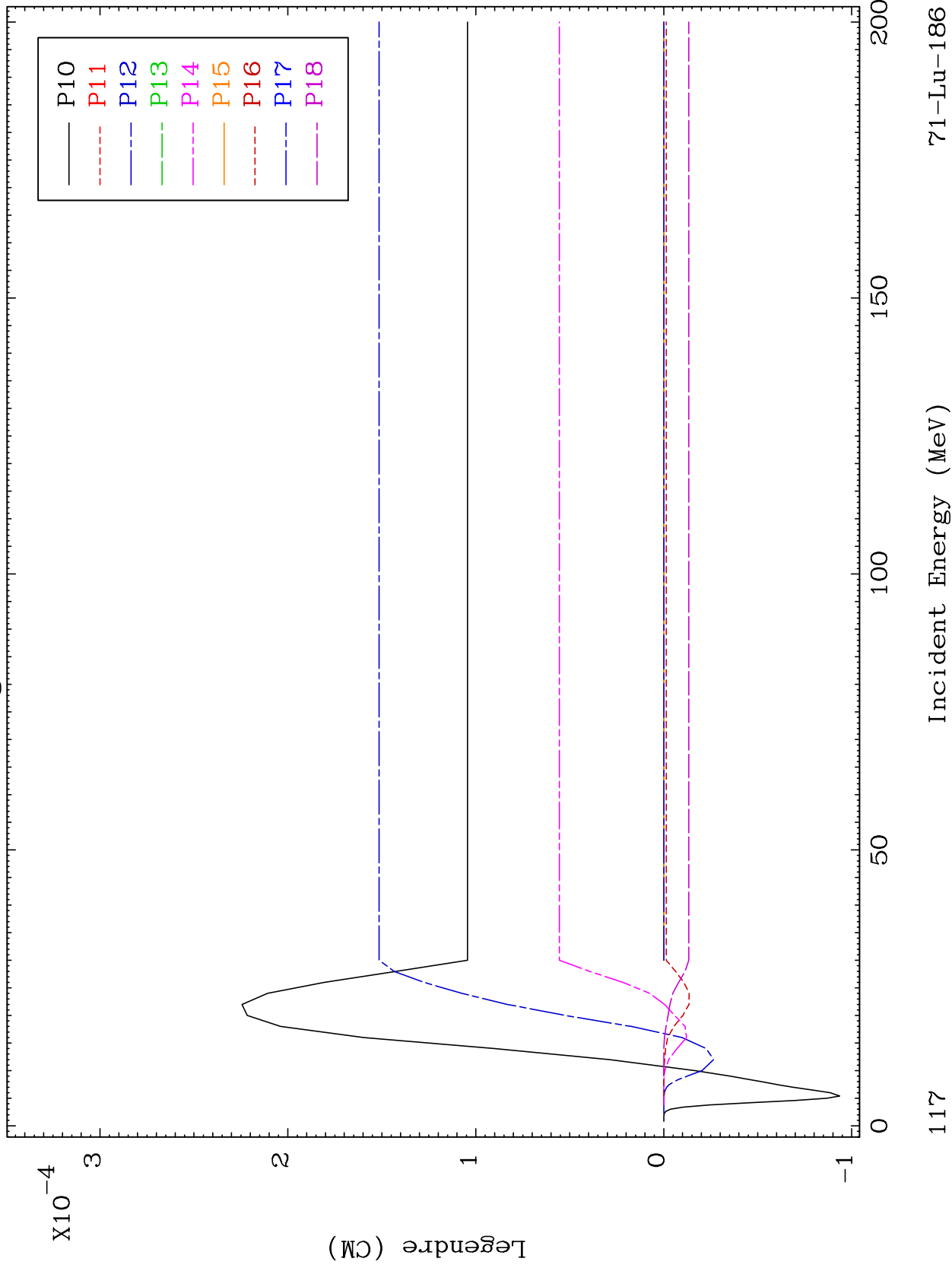
Incident Energy (MeV)

116

MAT 7158

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

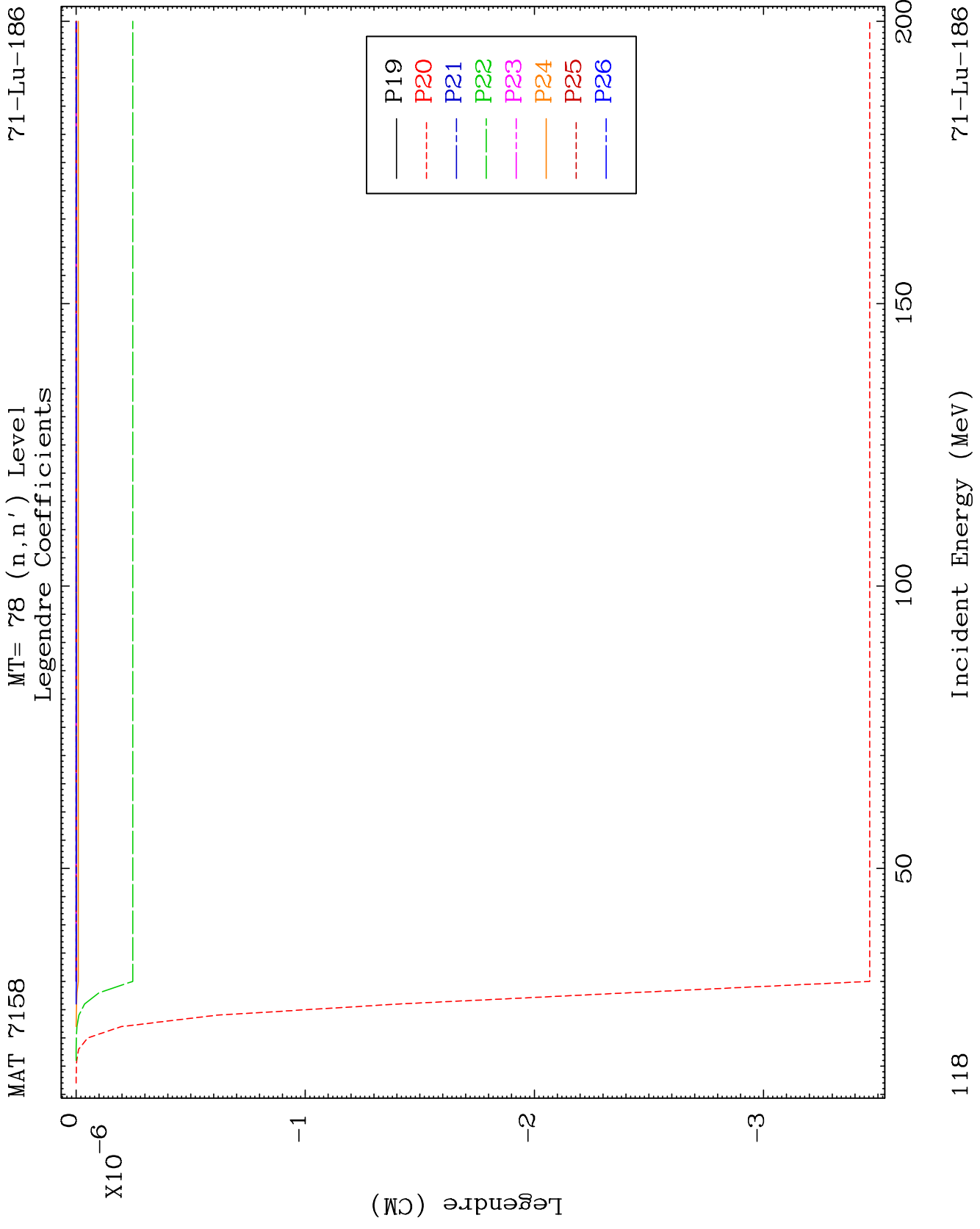
71-Lu-186

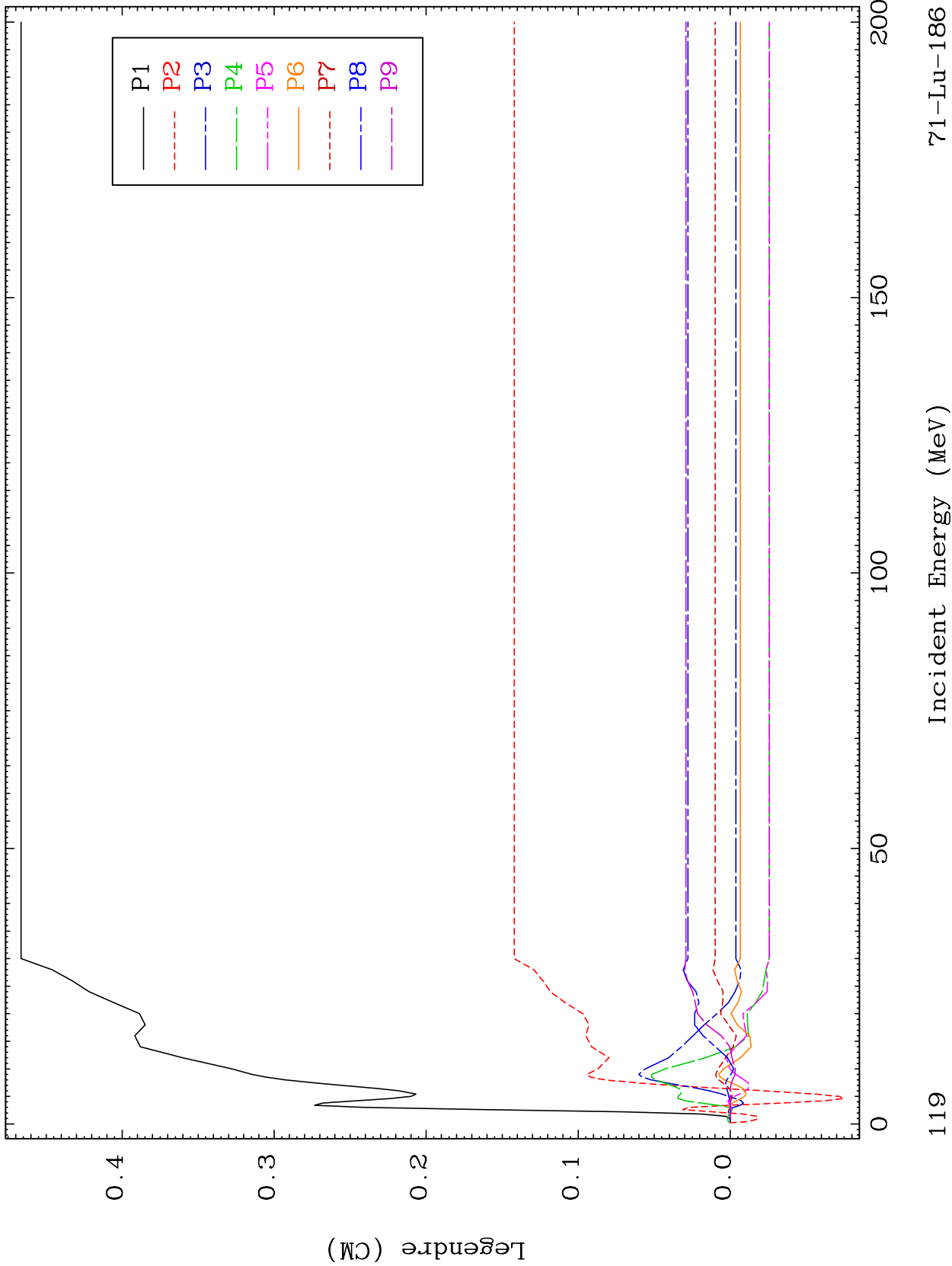


117

Incident Energy (MeV)

71-Lu-186

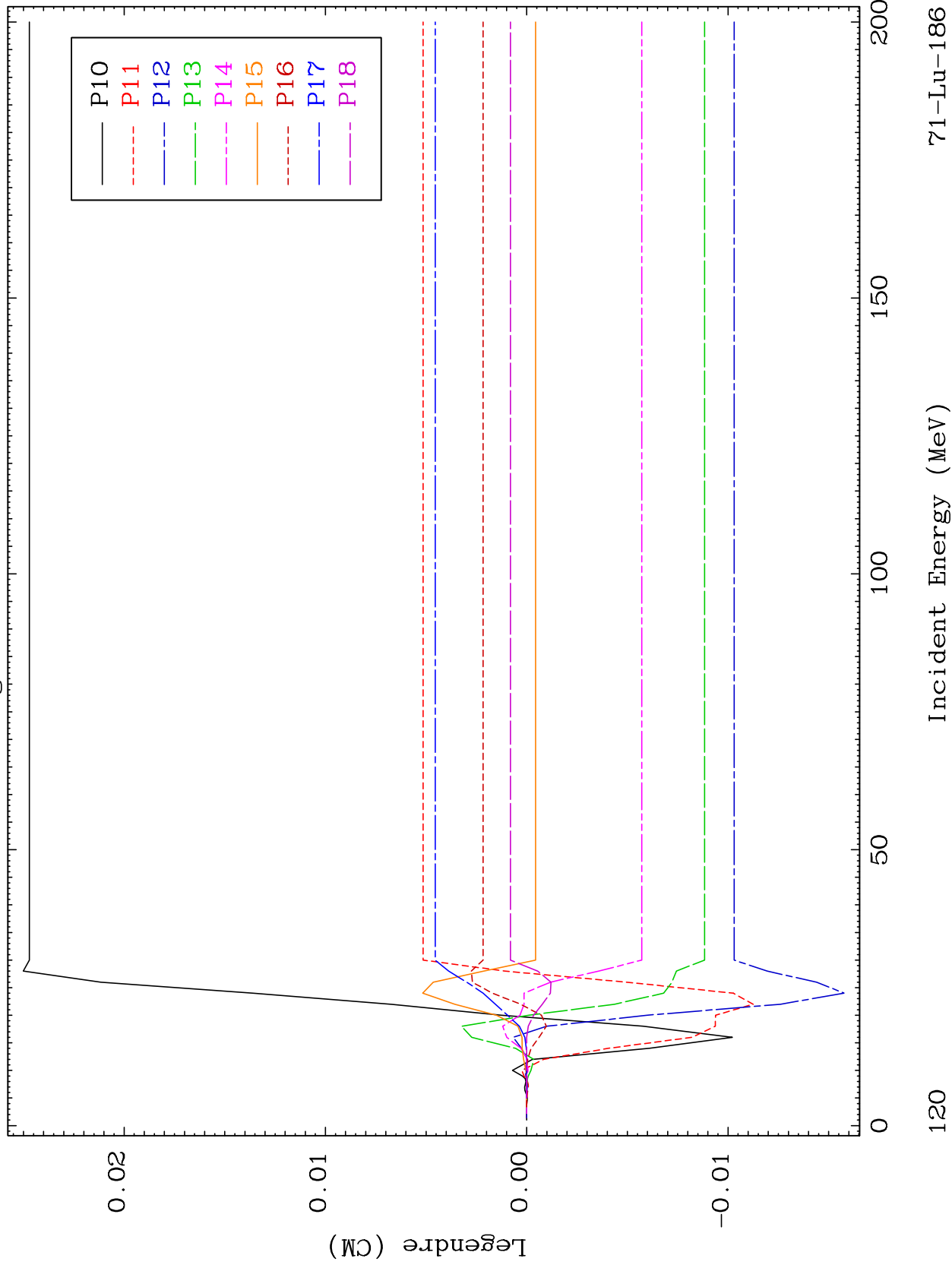




MAT 7158

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

71-Lu-186



71-Lu-186

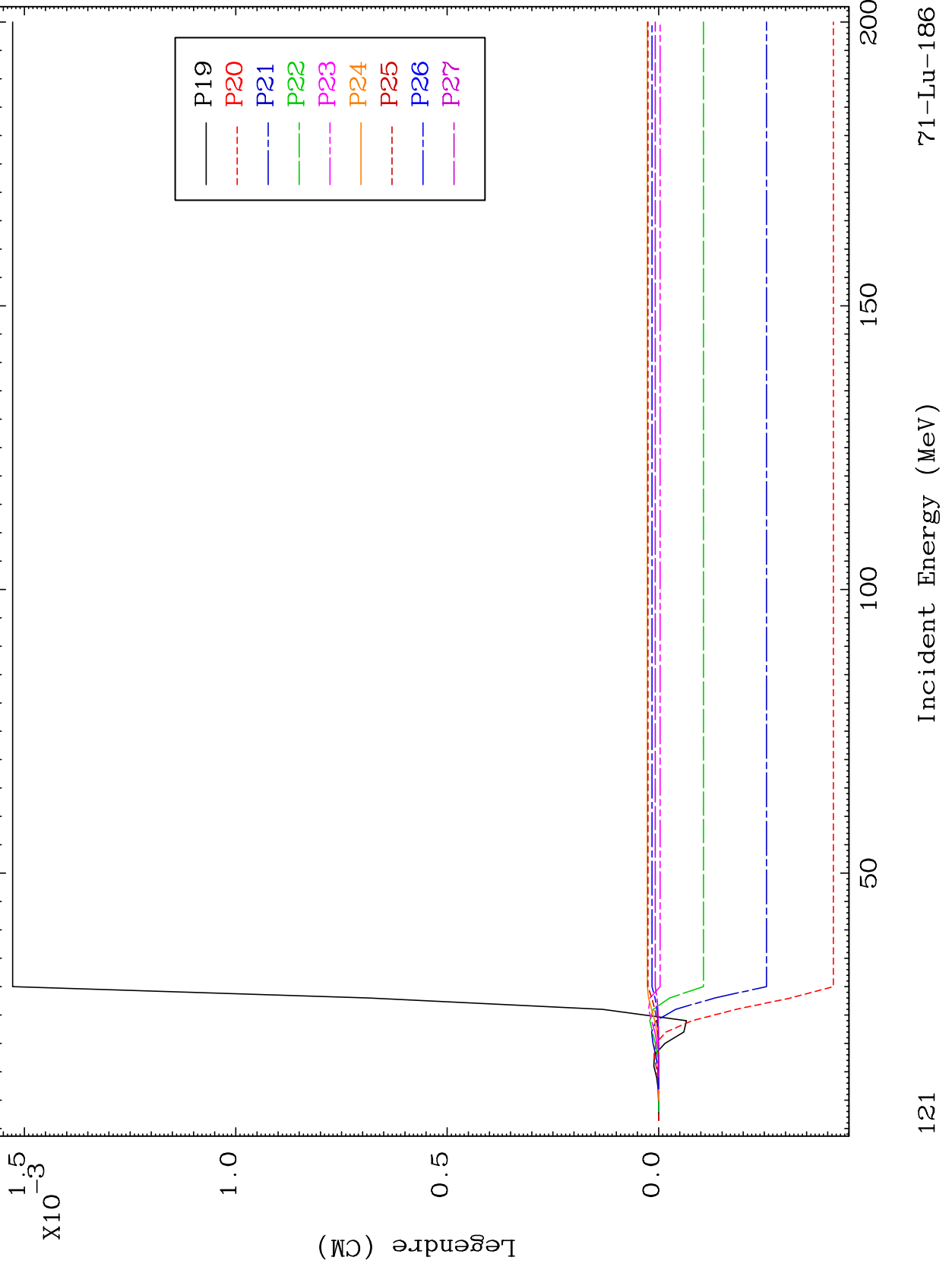
Incident Energy (MeV)

120

MAT 7158

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

71-Lu-186



121

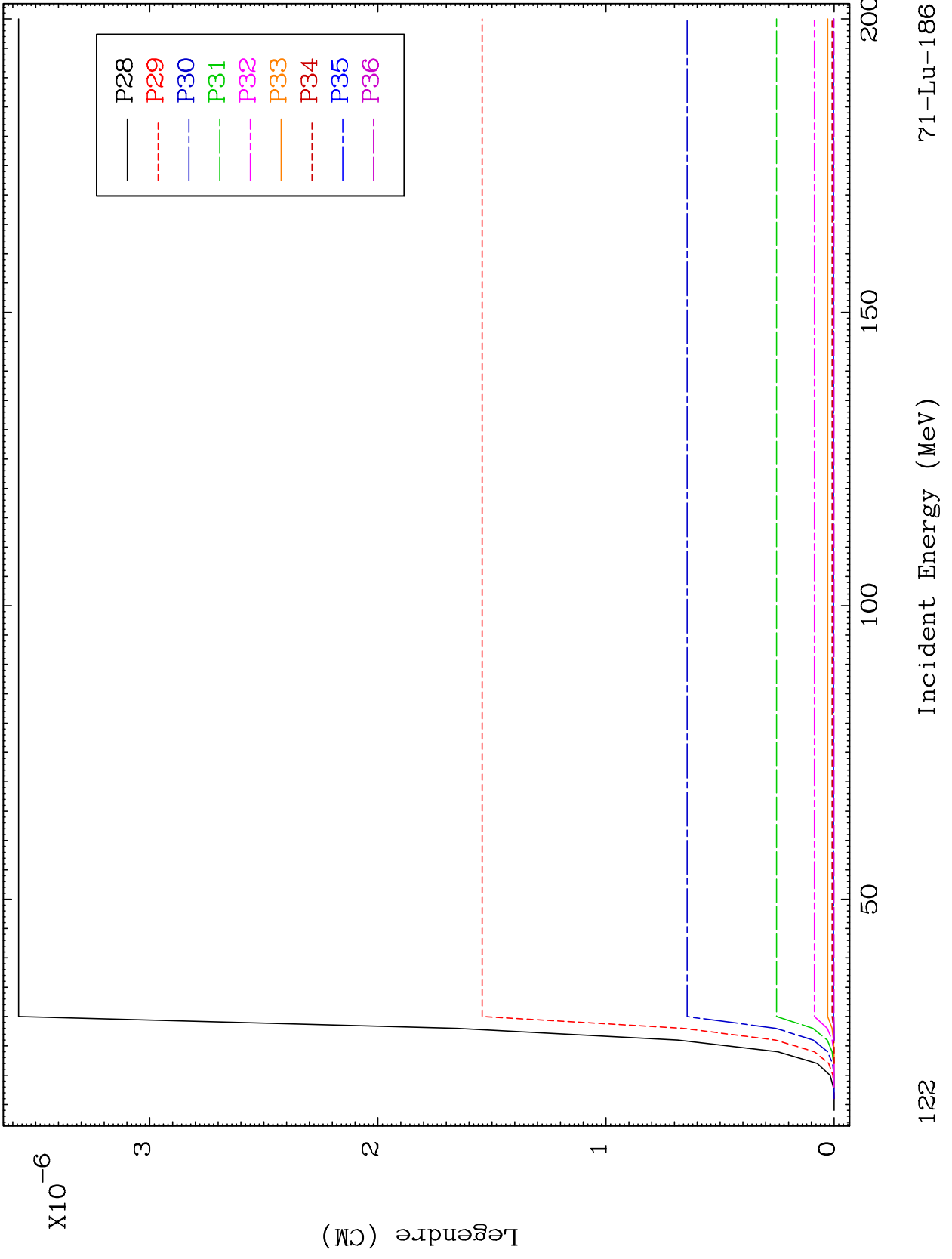
Incident Energy (MeV)

71-Lu-186

MAT 7158

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

71-Lu-186



122

Incident Energy (MeV)

71-Lu-186

MAT 7158

Fission

⁷¹Lu-186

Radionuclide Production Cross Section

