

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

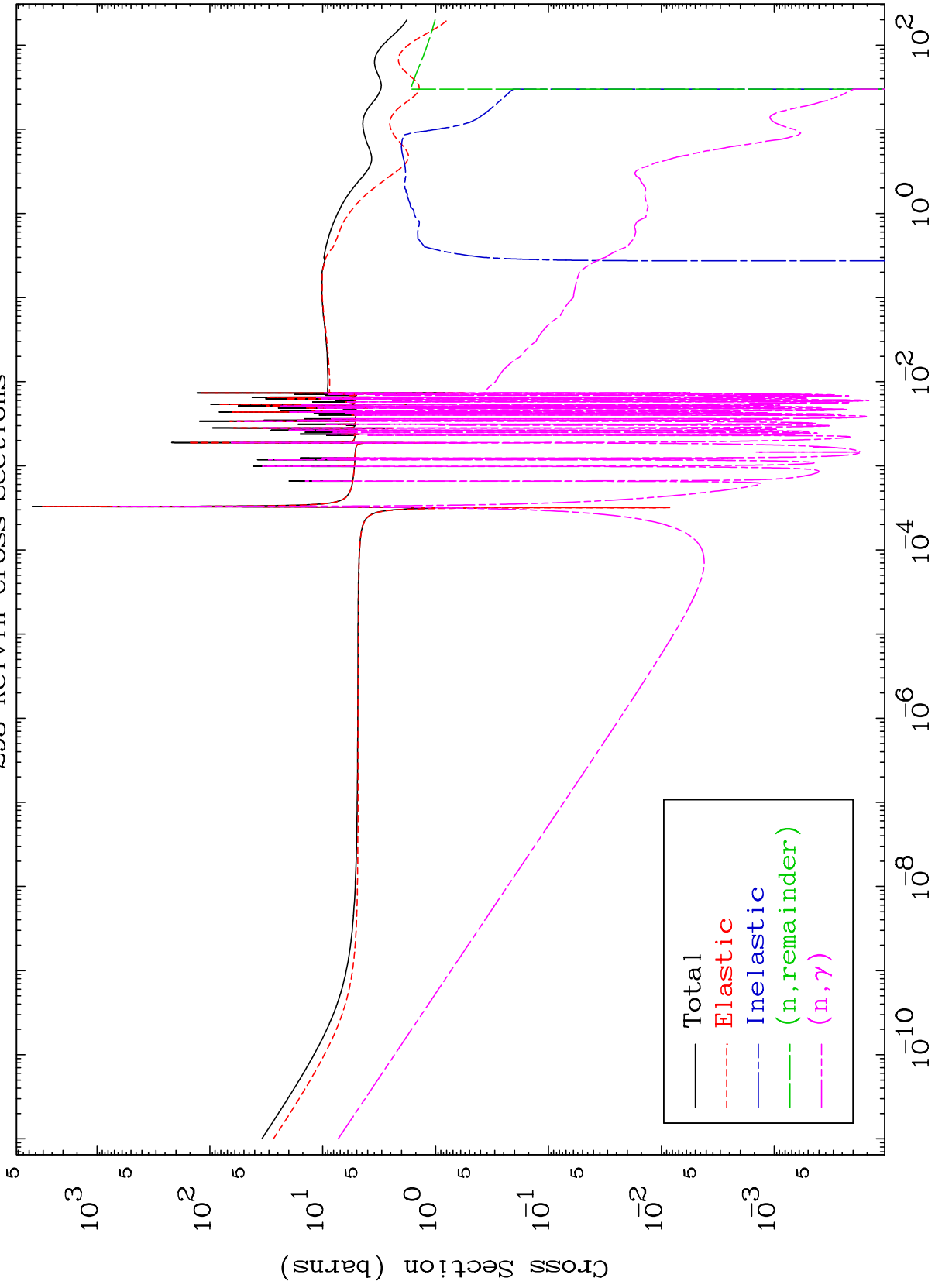
Press Mouse Button to Start

MAT 4455

Major

293 Kelvin Cross Sections

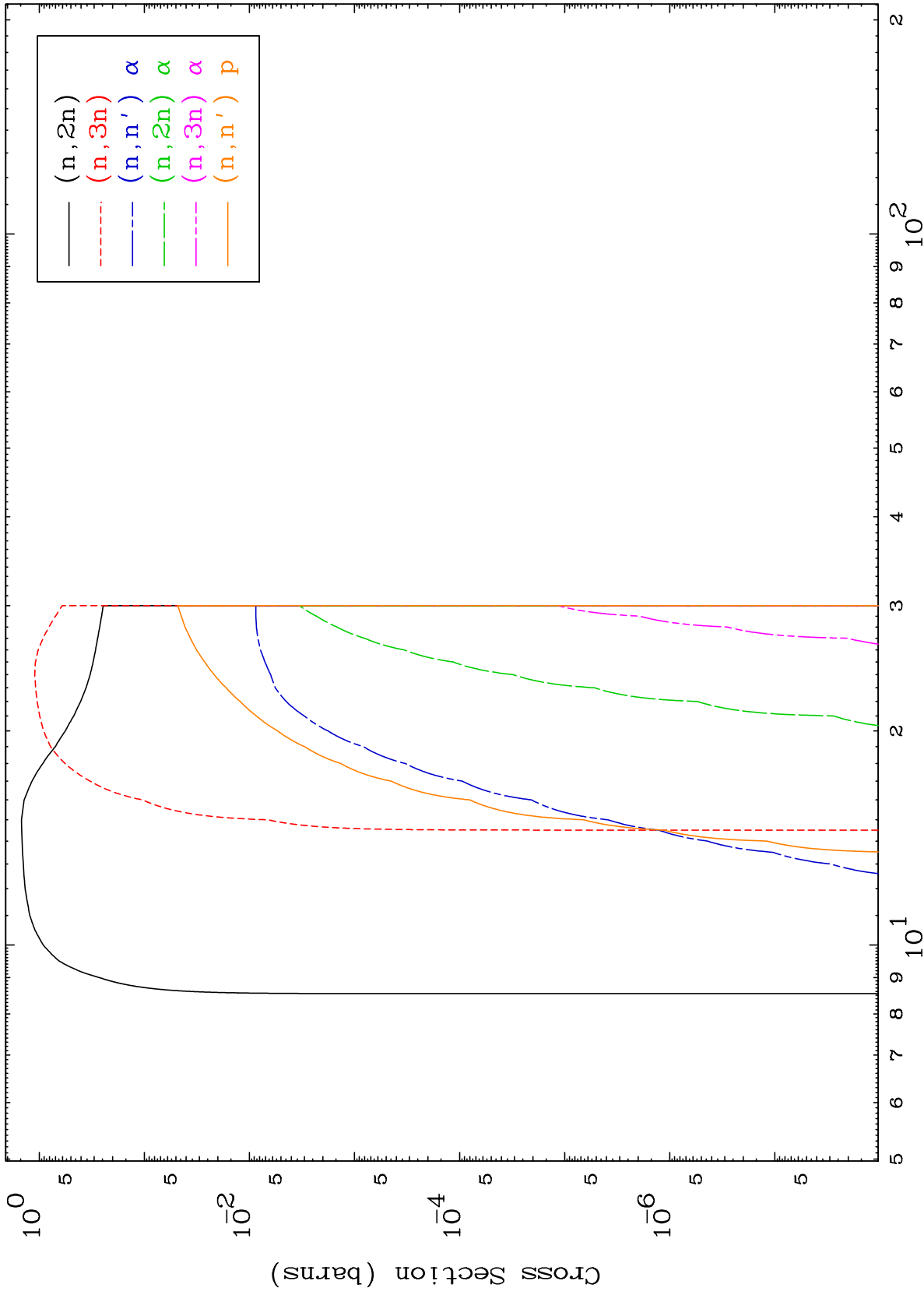
44-Ru-106



MAT 4455

Neutron Production
293 Kelvin Cross Sections

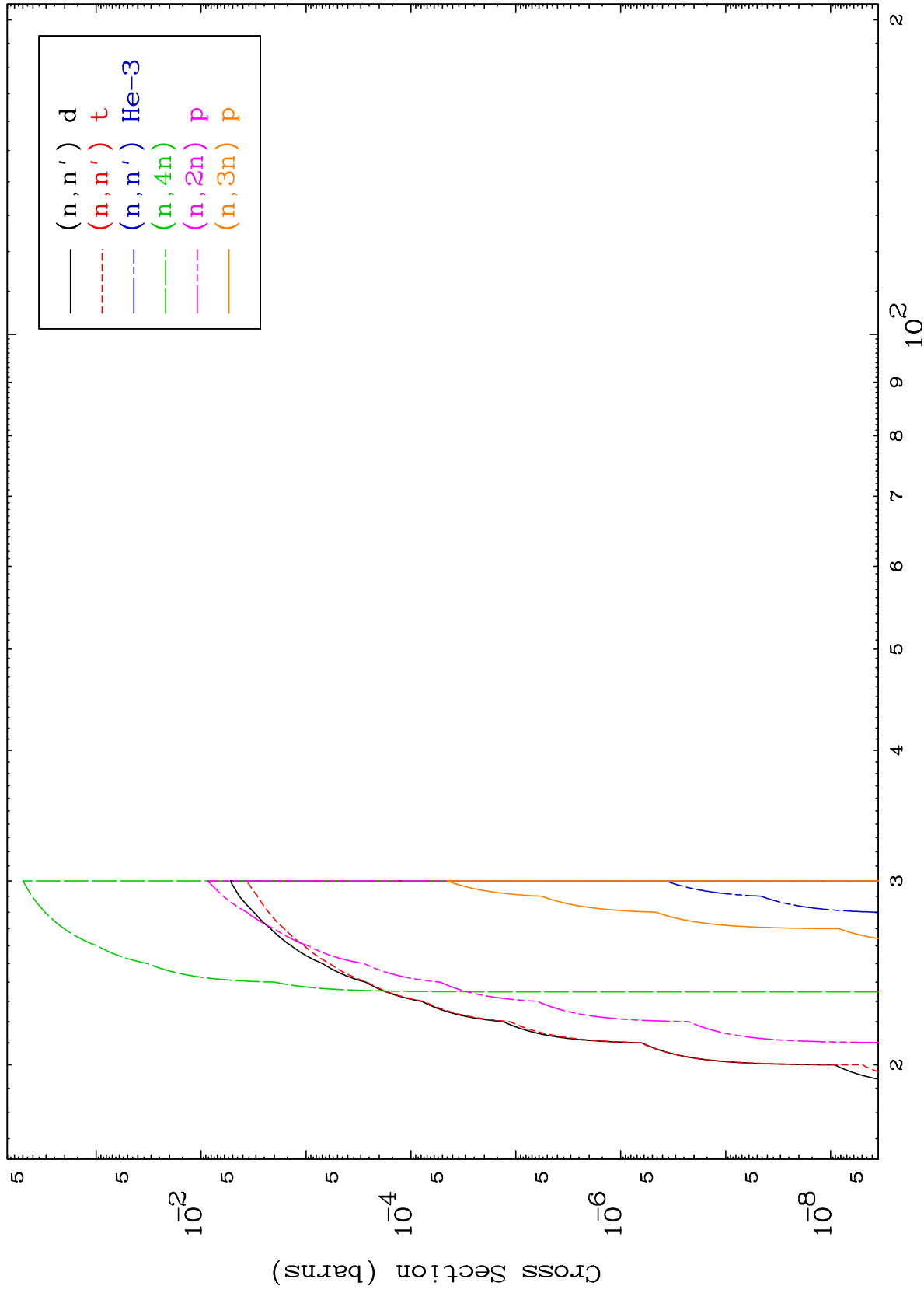
44-Ru-106



2

Incident Energy (MeV)

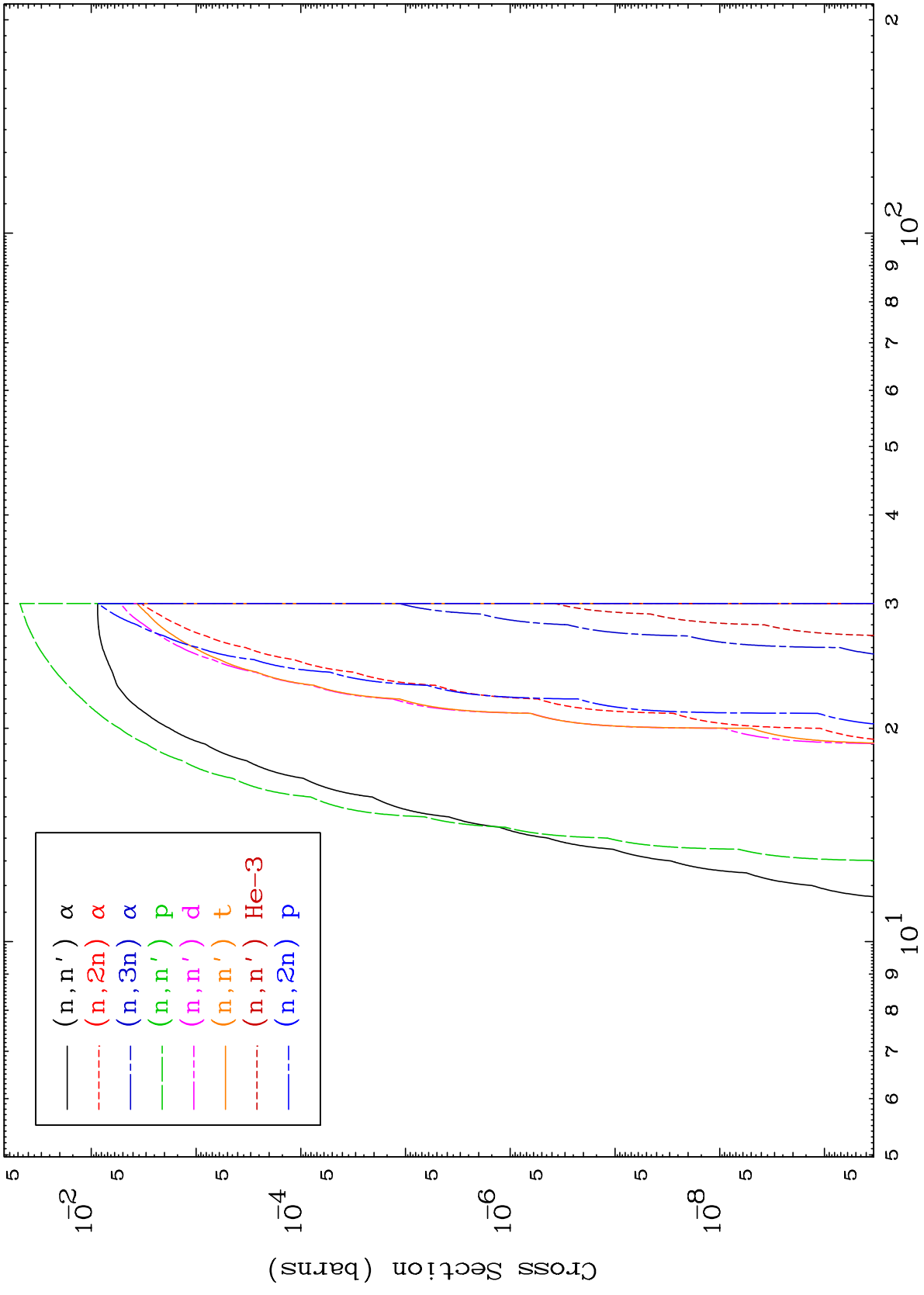
44-Ru-106



MAT 4455

Charged Particle
293 Kelvin Cross Sections

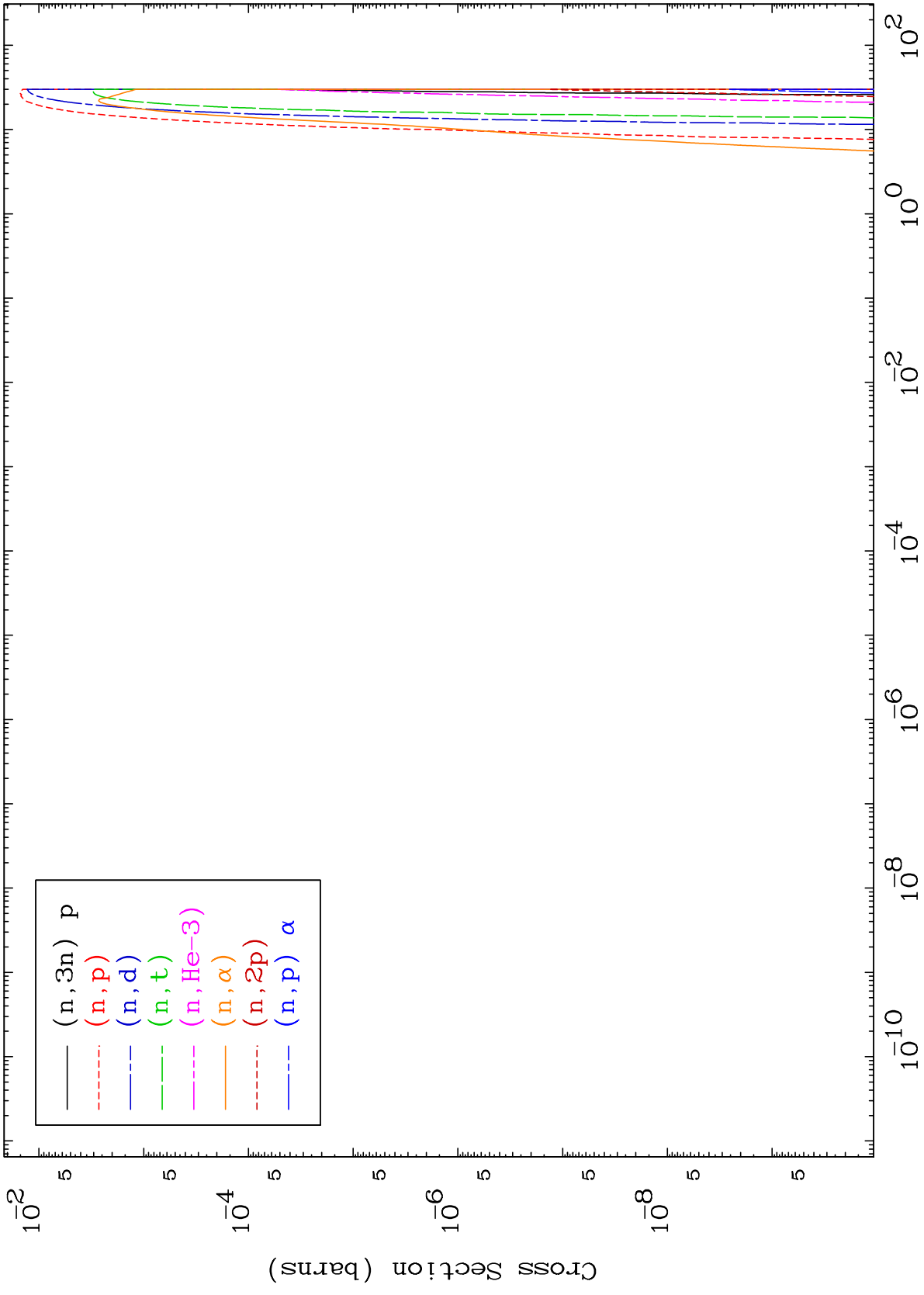
44-Ru-106



MAT 4455

Charged Particle
293 Kelvin Cross Sections

44-Ru-106



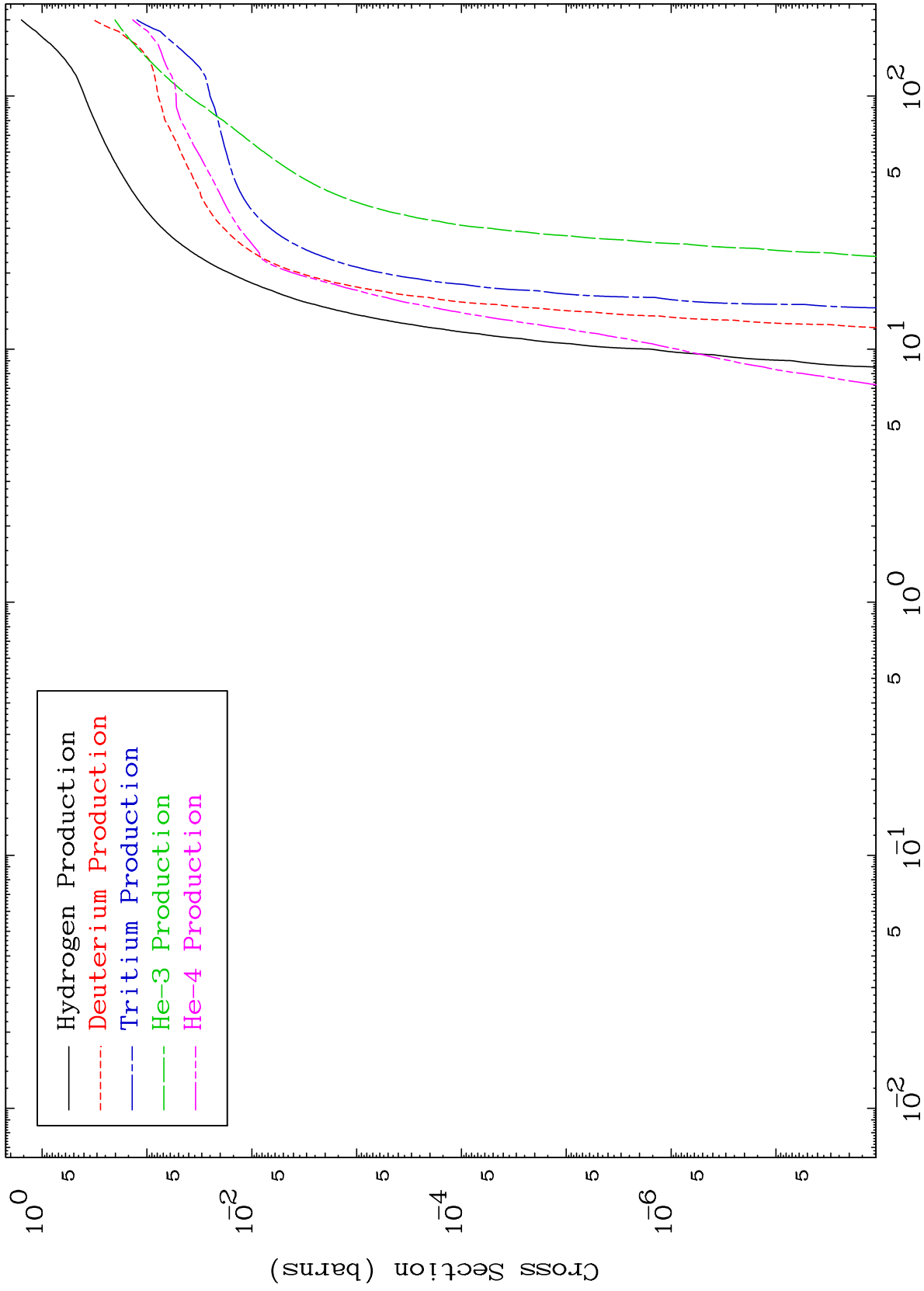
5

44-Ru-106

MAT 4455

Particle Production
293 Kelvin Cross Sections

44-Ru-106



6

Incident Energy (MeV)

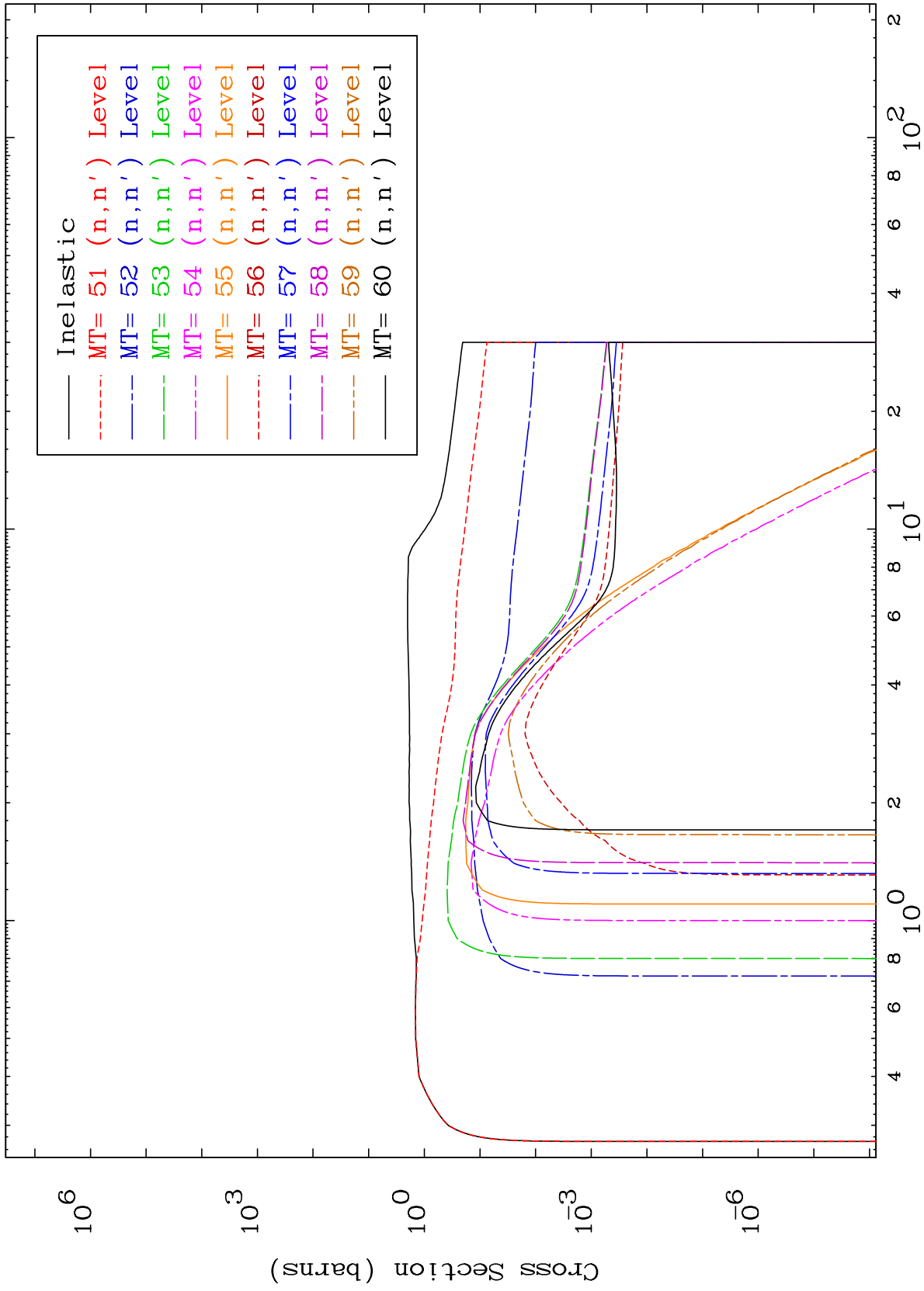
44-Ru-106

MAT 4455

(n,n') Level

44-Ru-106

293 Kelvin Cross Sections



7

44-Ru-106

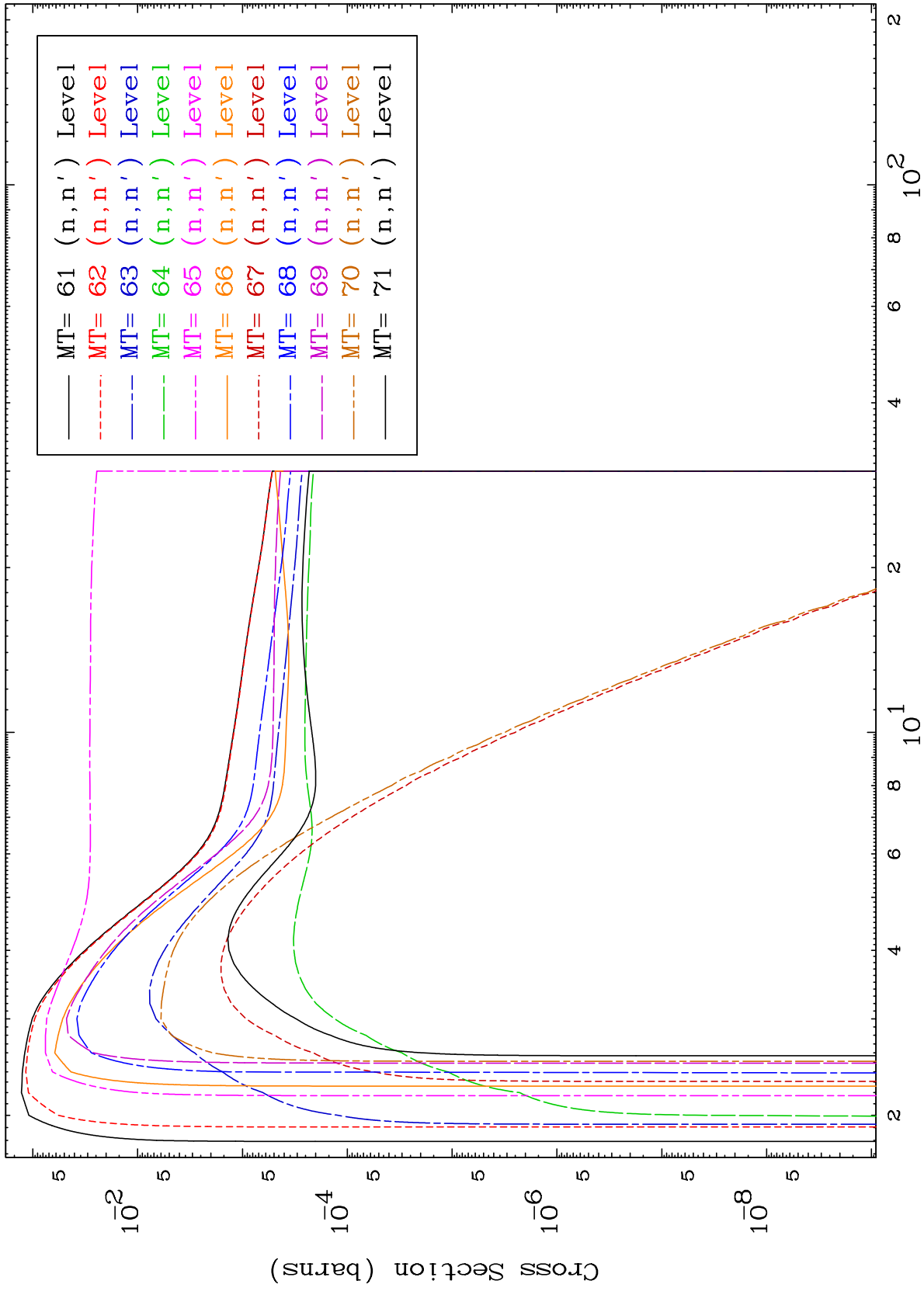
44-Ru-106

MAT 4455

(n,n') Level

44-Ru-106

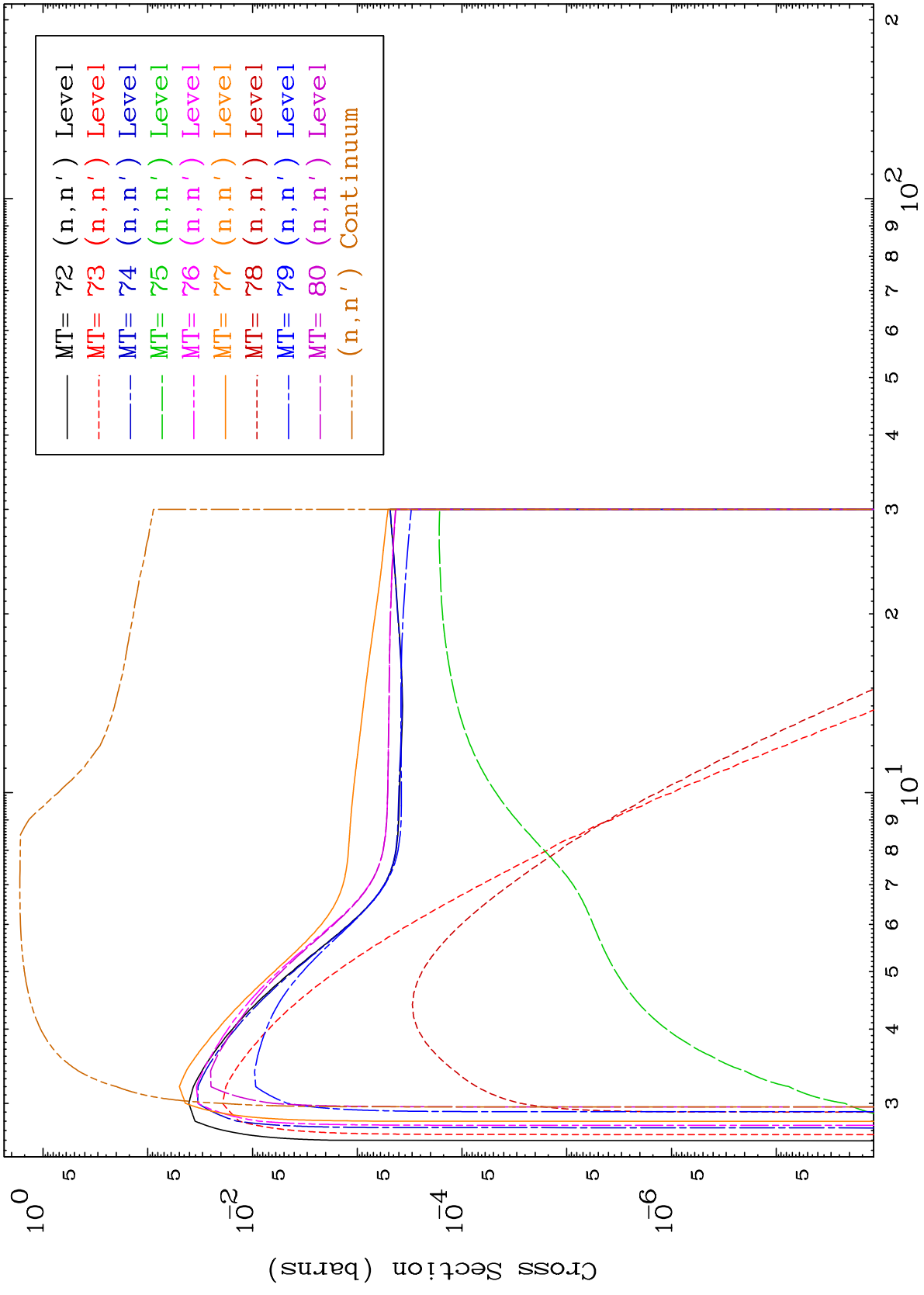
293 Kelvin Cross Sections



8

Incident Energy (MeV)

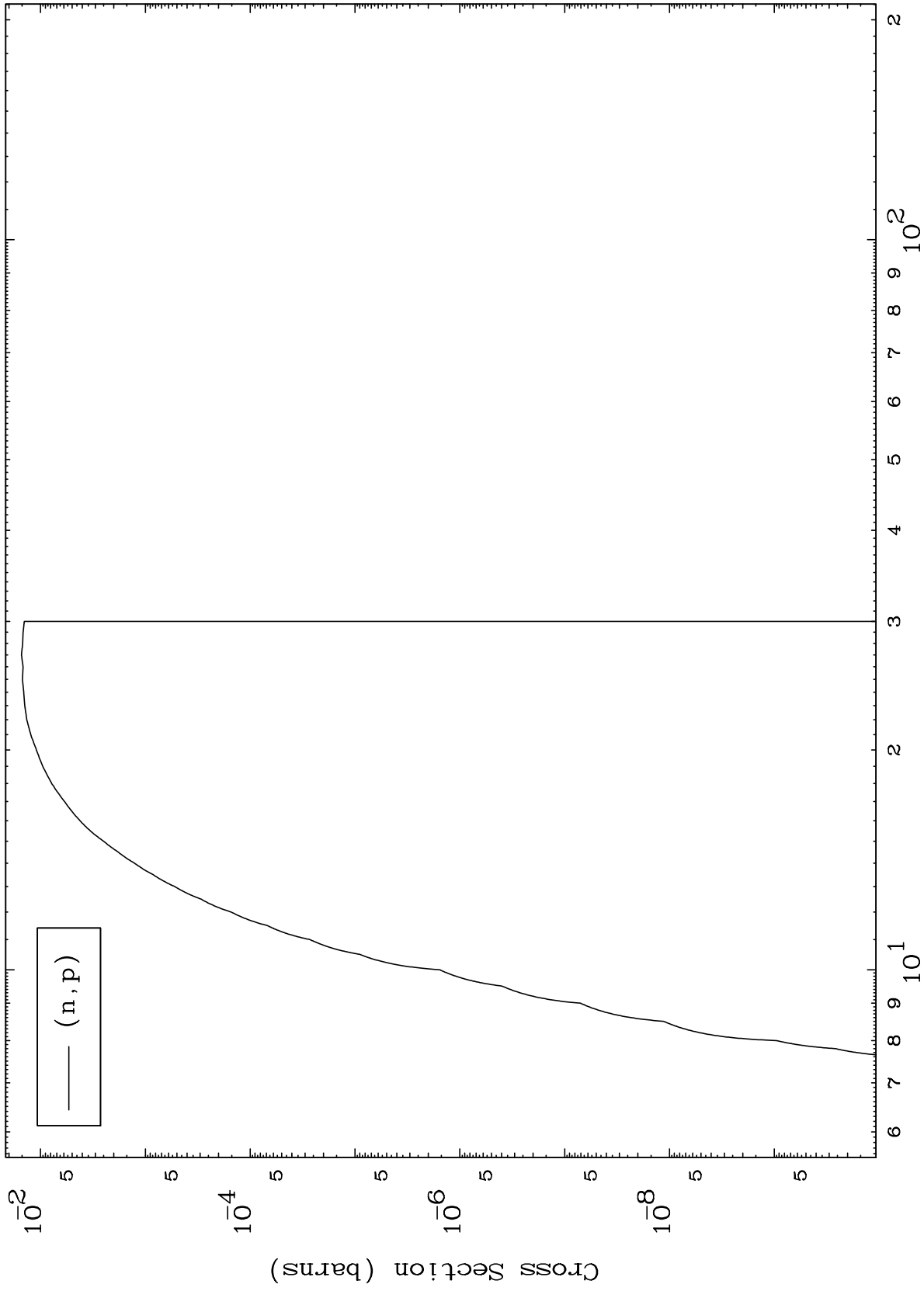
44-Ru-106



MAT 4455

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-106



10

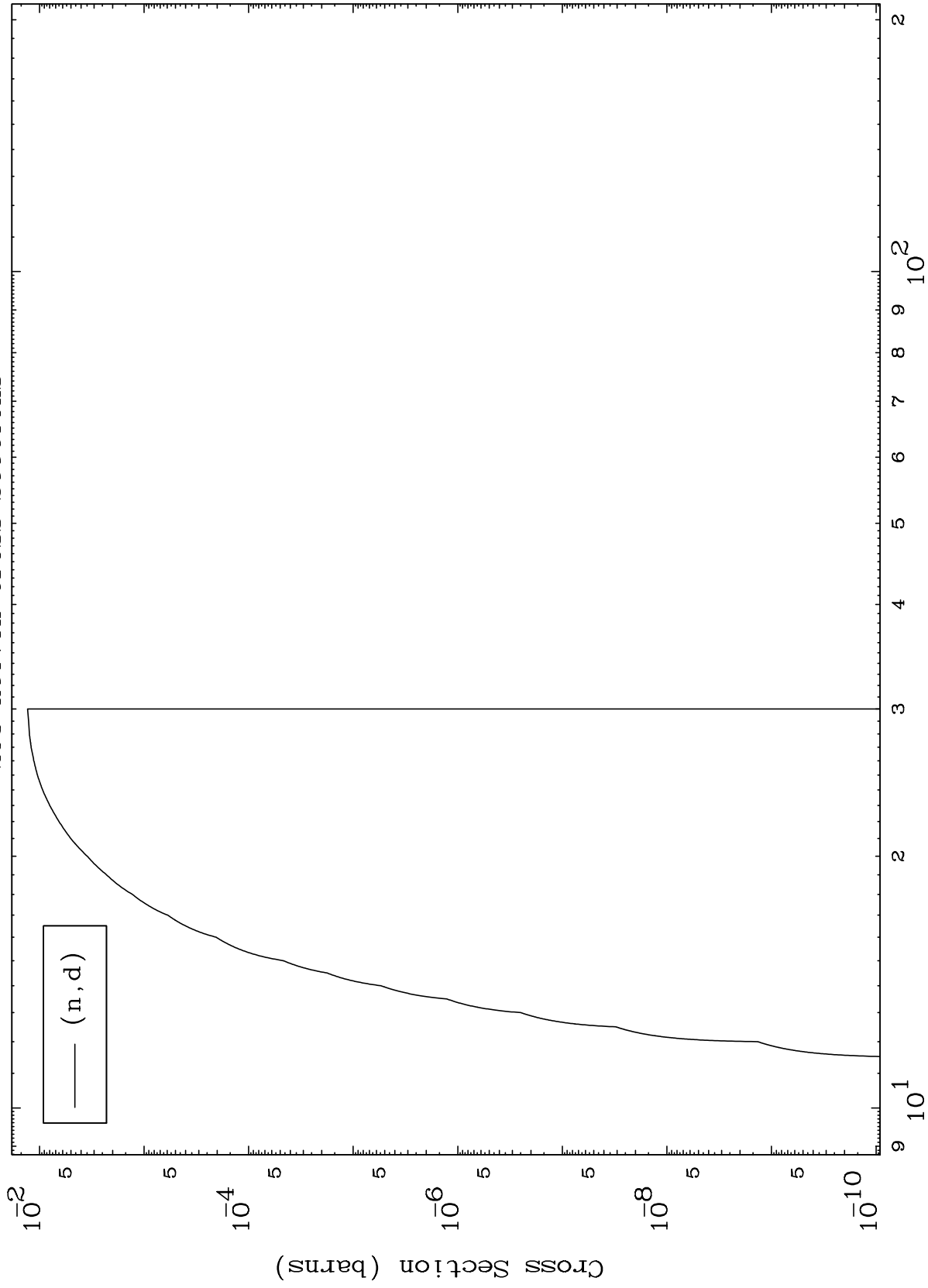
Incident Energy (MeV)

44-Ru-106

MAT 4455

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-106



11

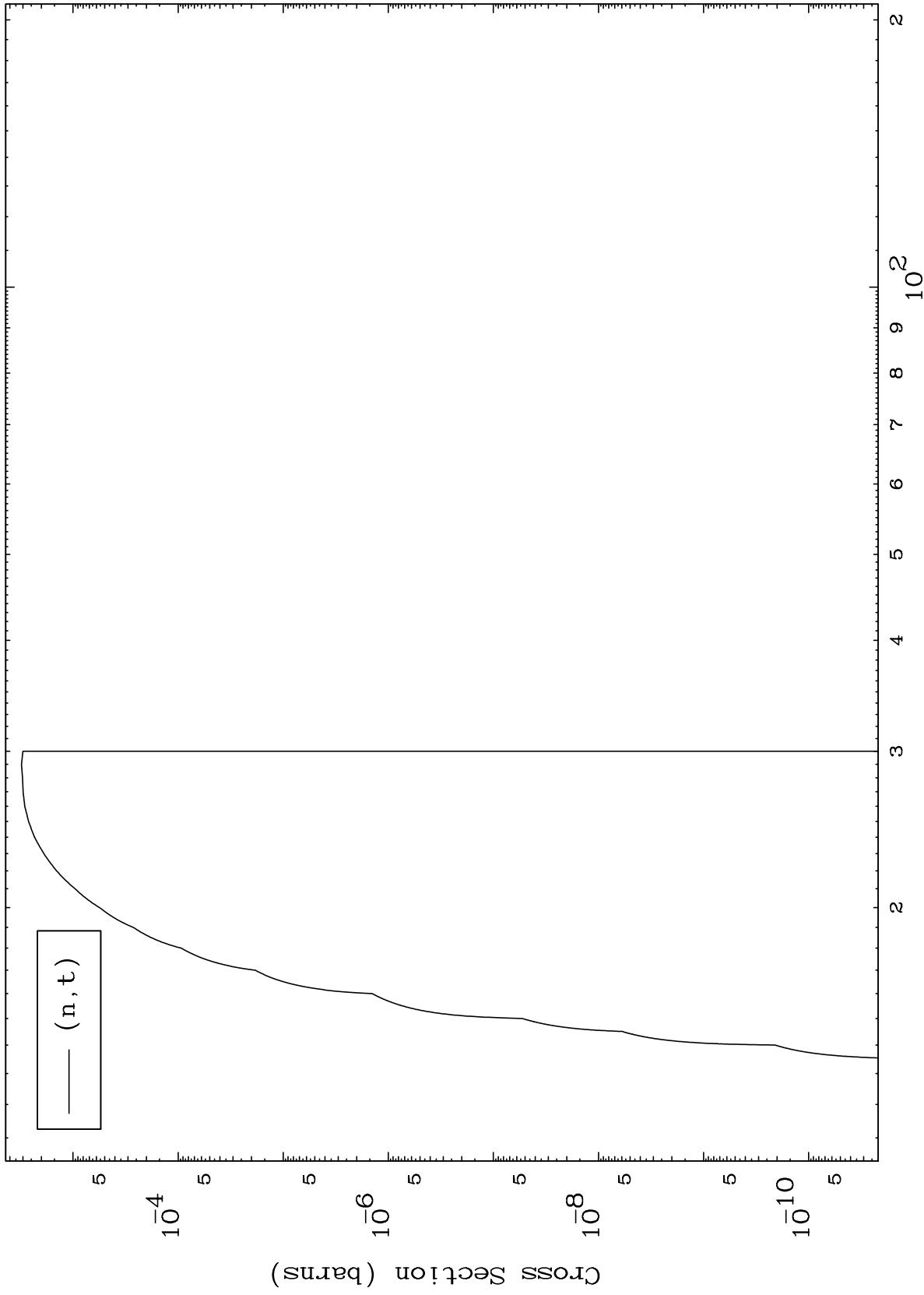
Incident Energy (MeV)

44-Ru-106

MAT 4455

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-106



12

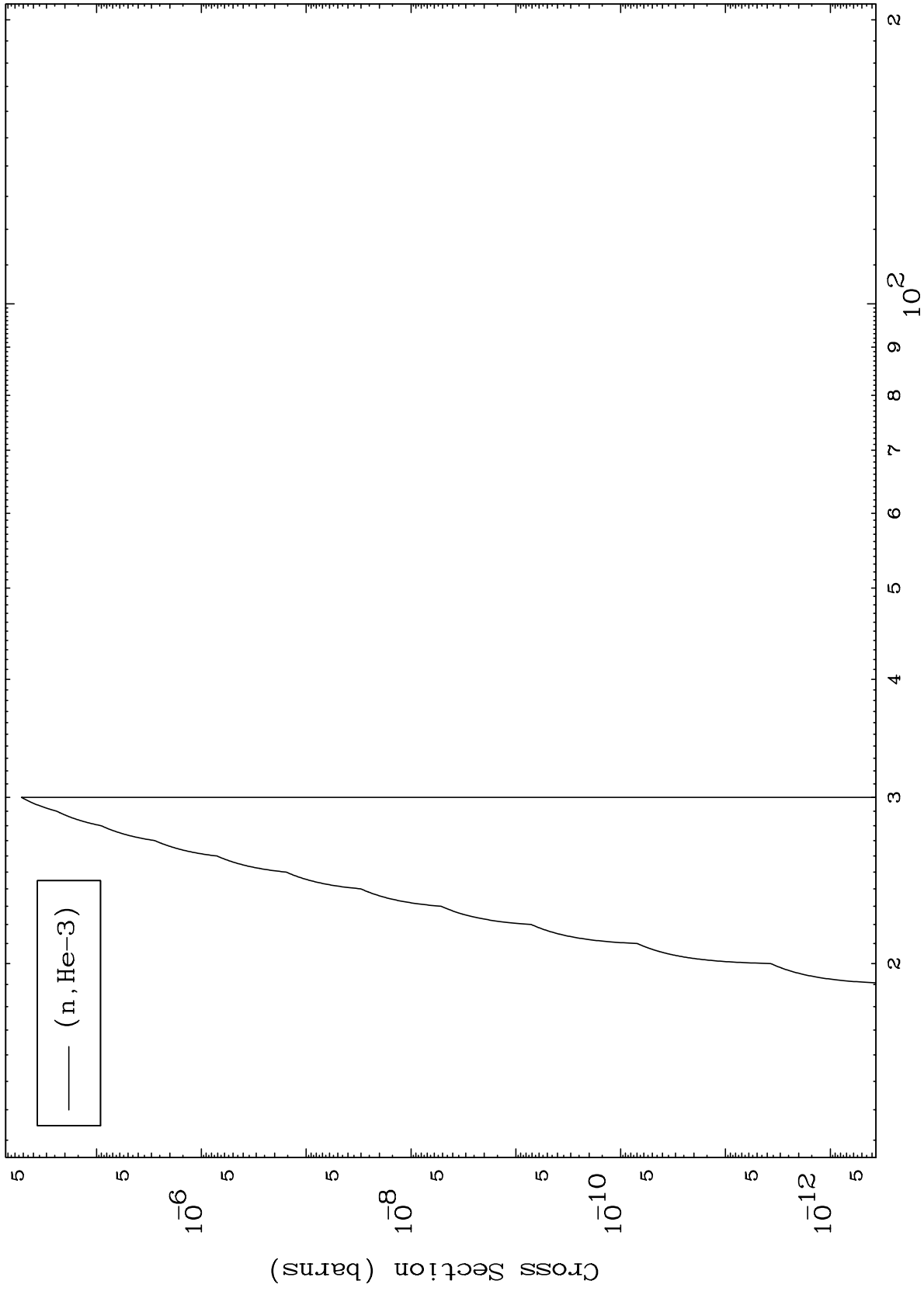
Incident Energy (MeV)

44-Ru-106

MAT 4455

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-106



13

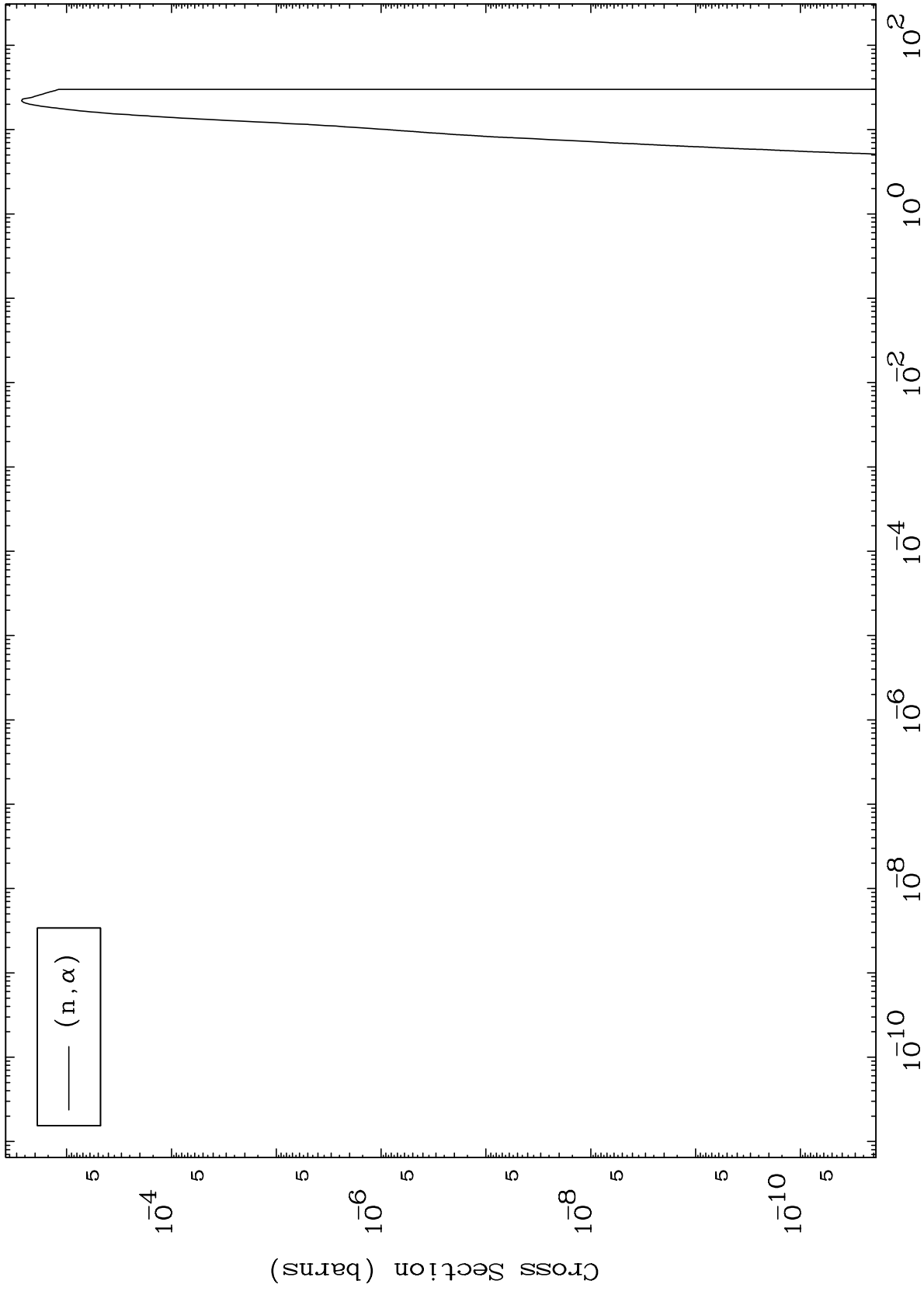
Incident Energy (MeV)

44-Ru-106

MAT 4455

(n,α) Levels
293 Kelvin Cross Sections

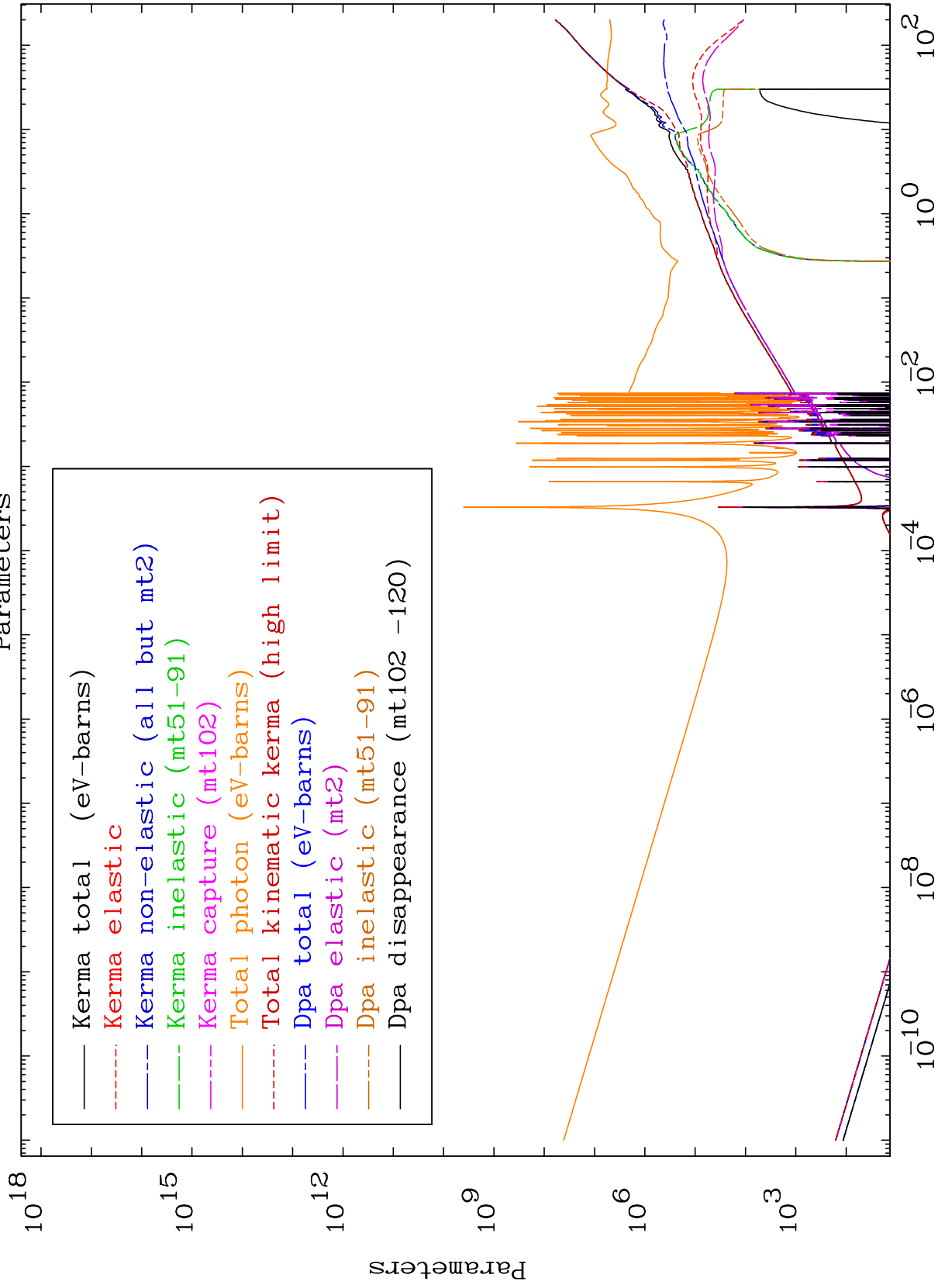
44-Ru-106



14

Incident Energy (MeV)

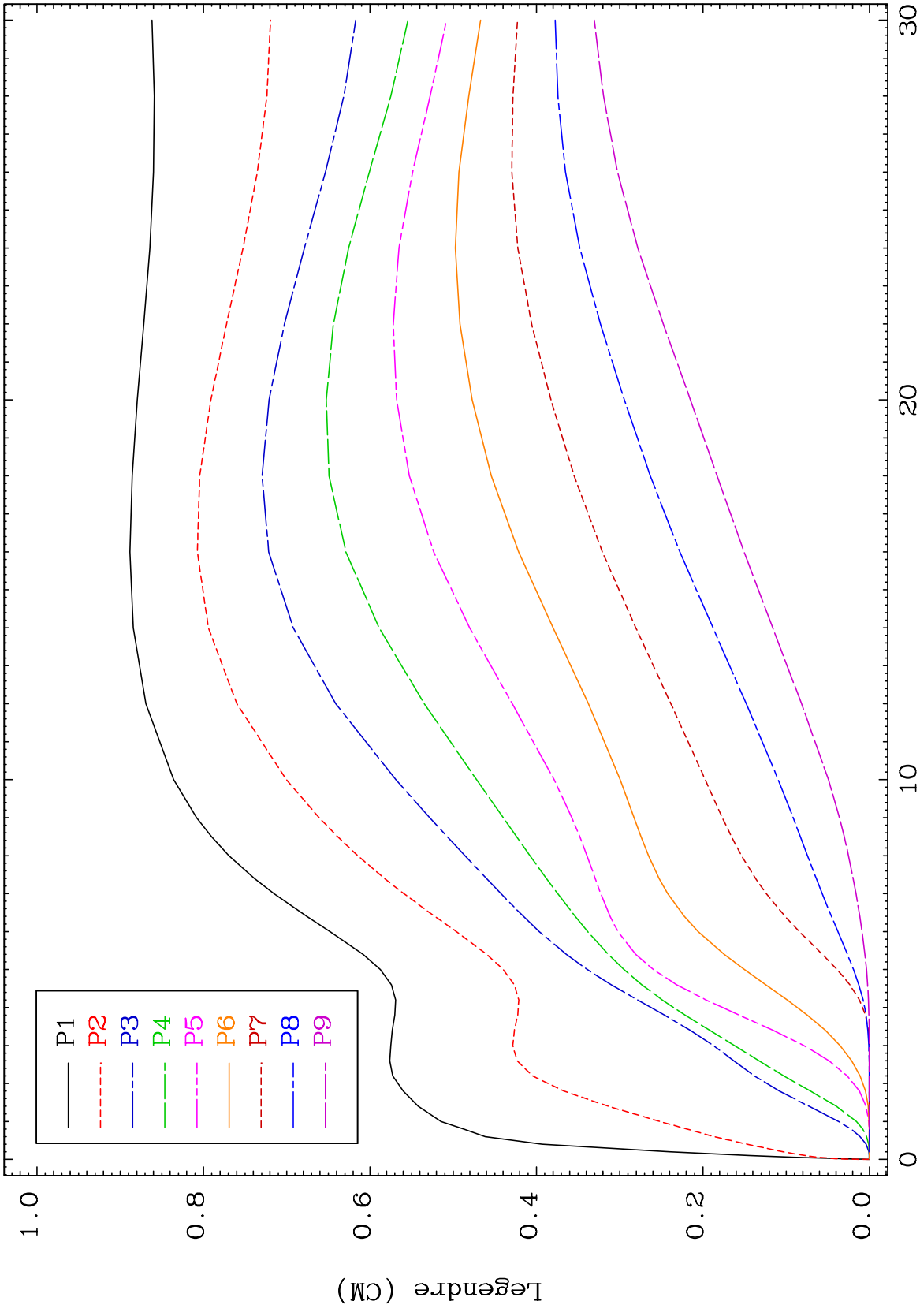
44-Ru-106



MAT 4455

Elastic Legendre Coefficients

44-Ru-106



16

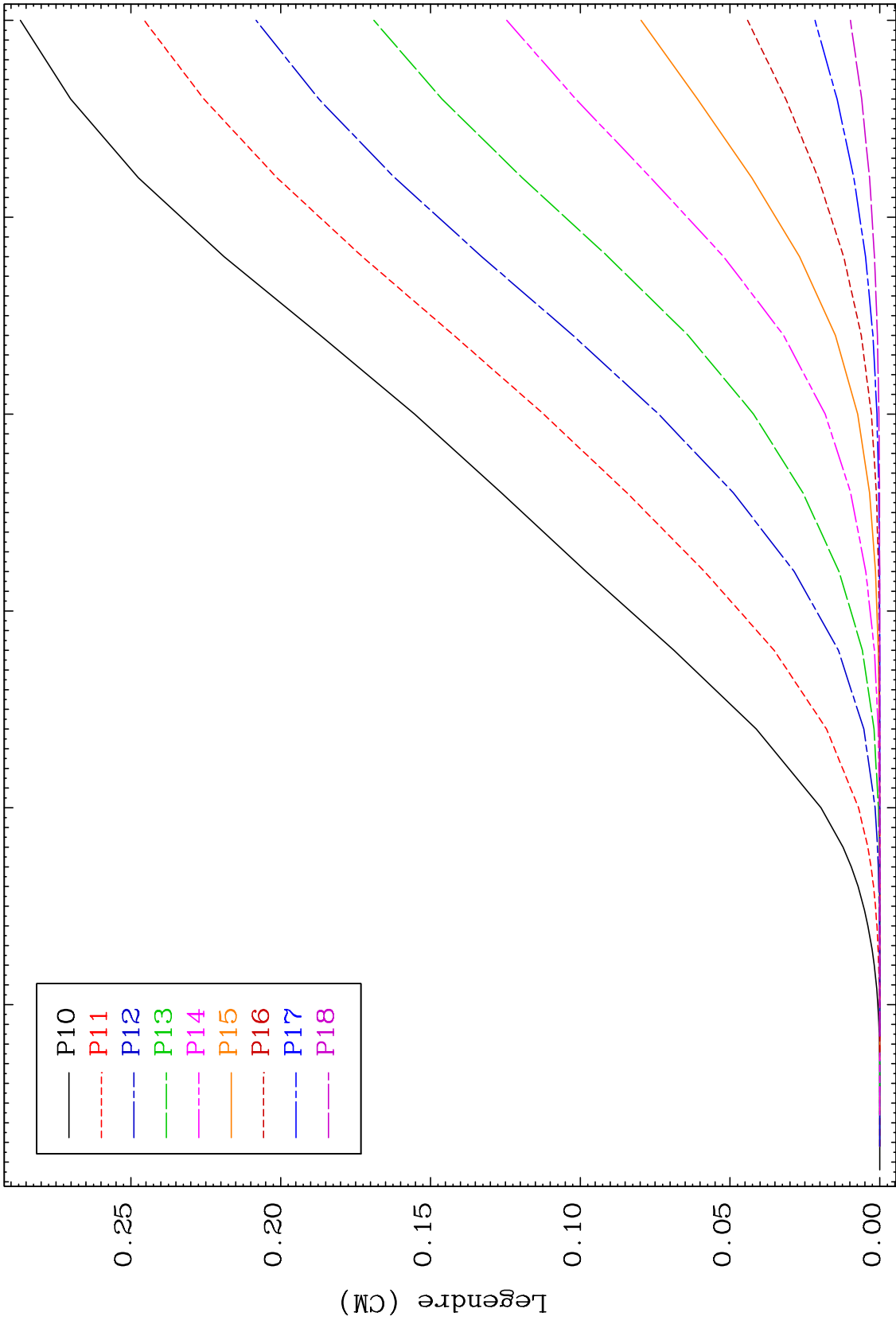
Incident Energy (MeV)

44-Ru-106

MAT 4455

Elastic Legendre Coefficients

44-Ru-106



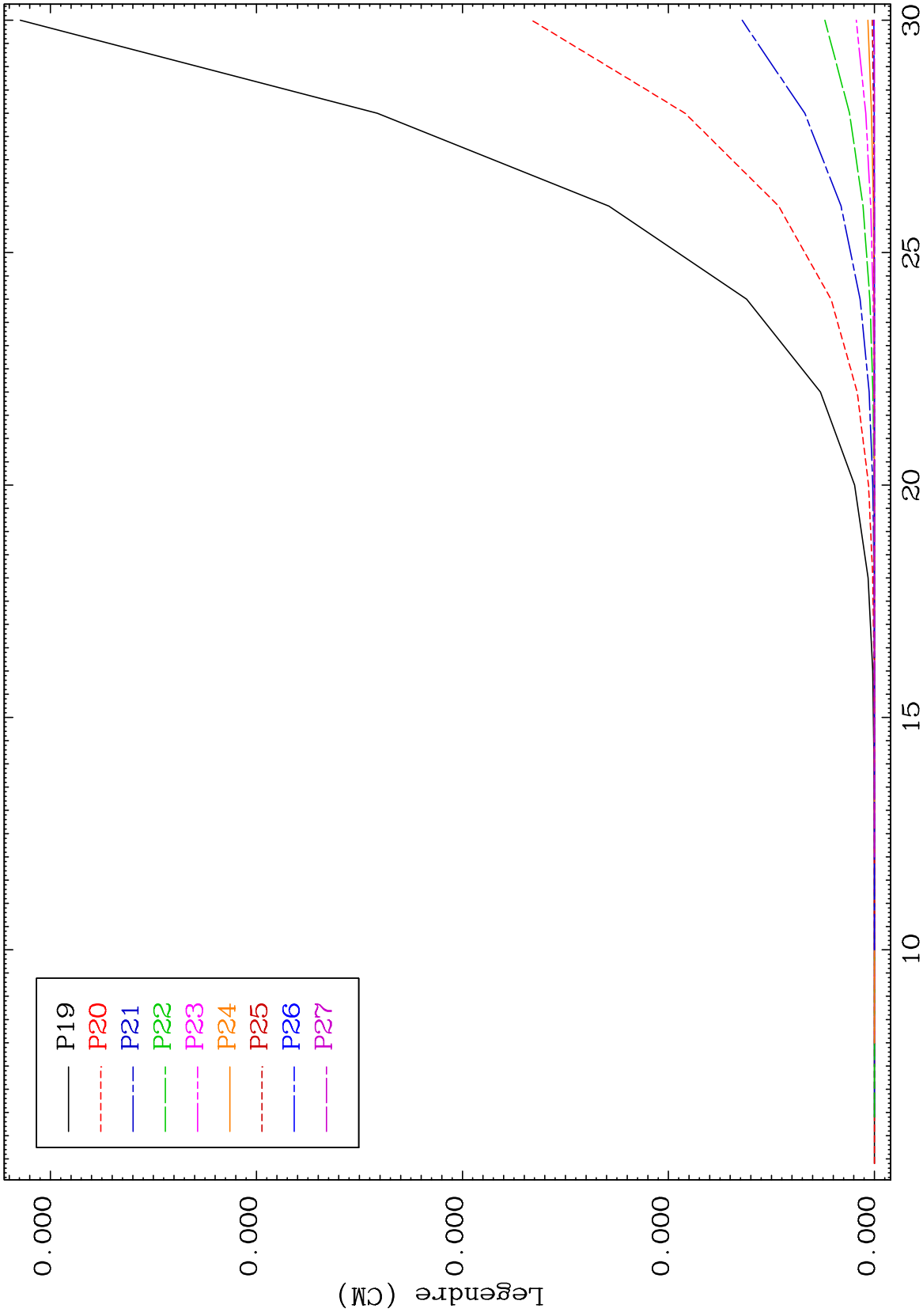
17

44-Ru-106

MAT 4455

Elastic Legendre Coefficients

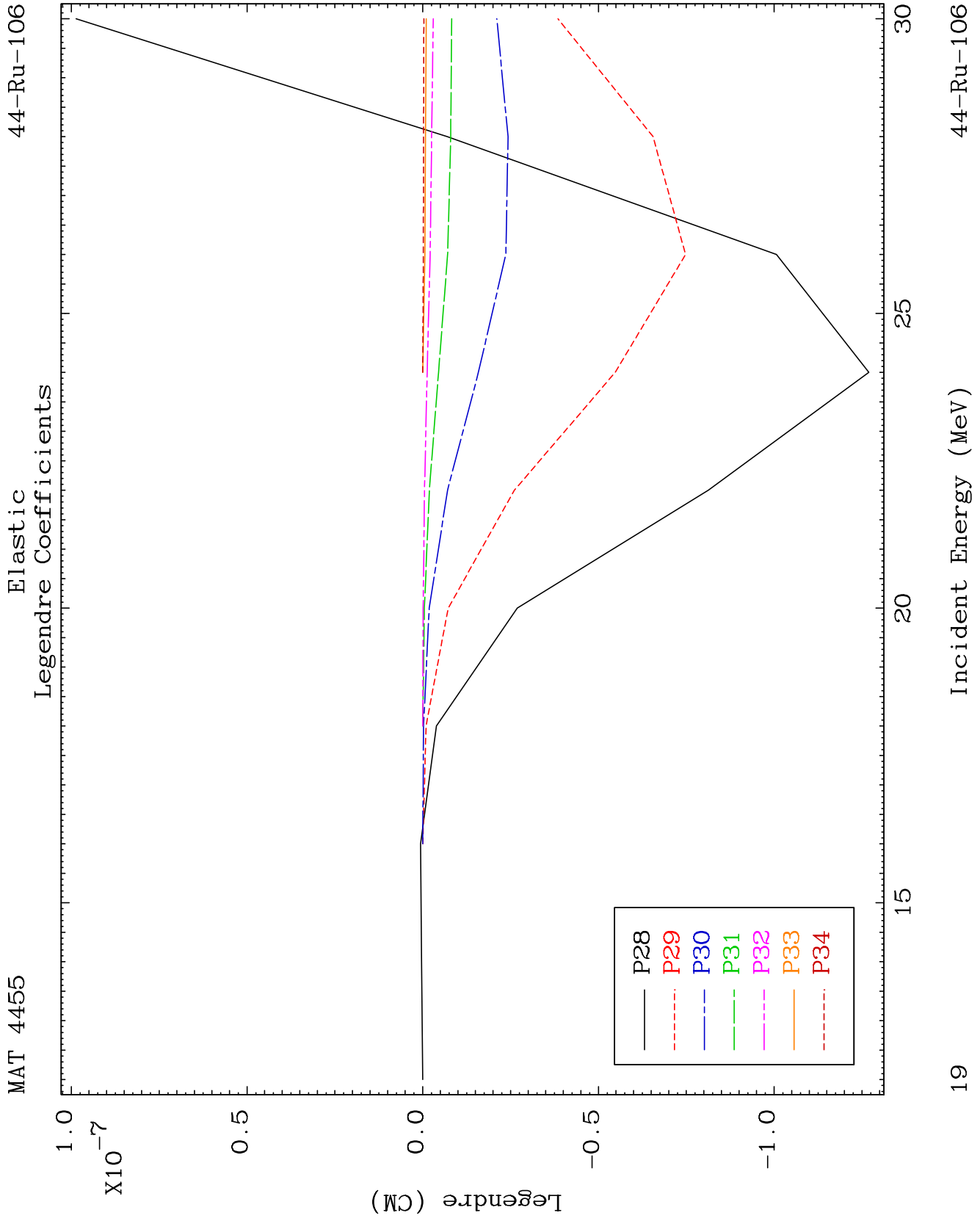
44-Ru-106



18

Incident Energy (MeV)

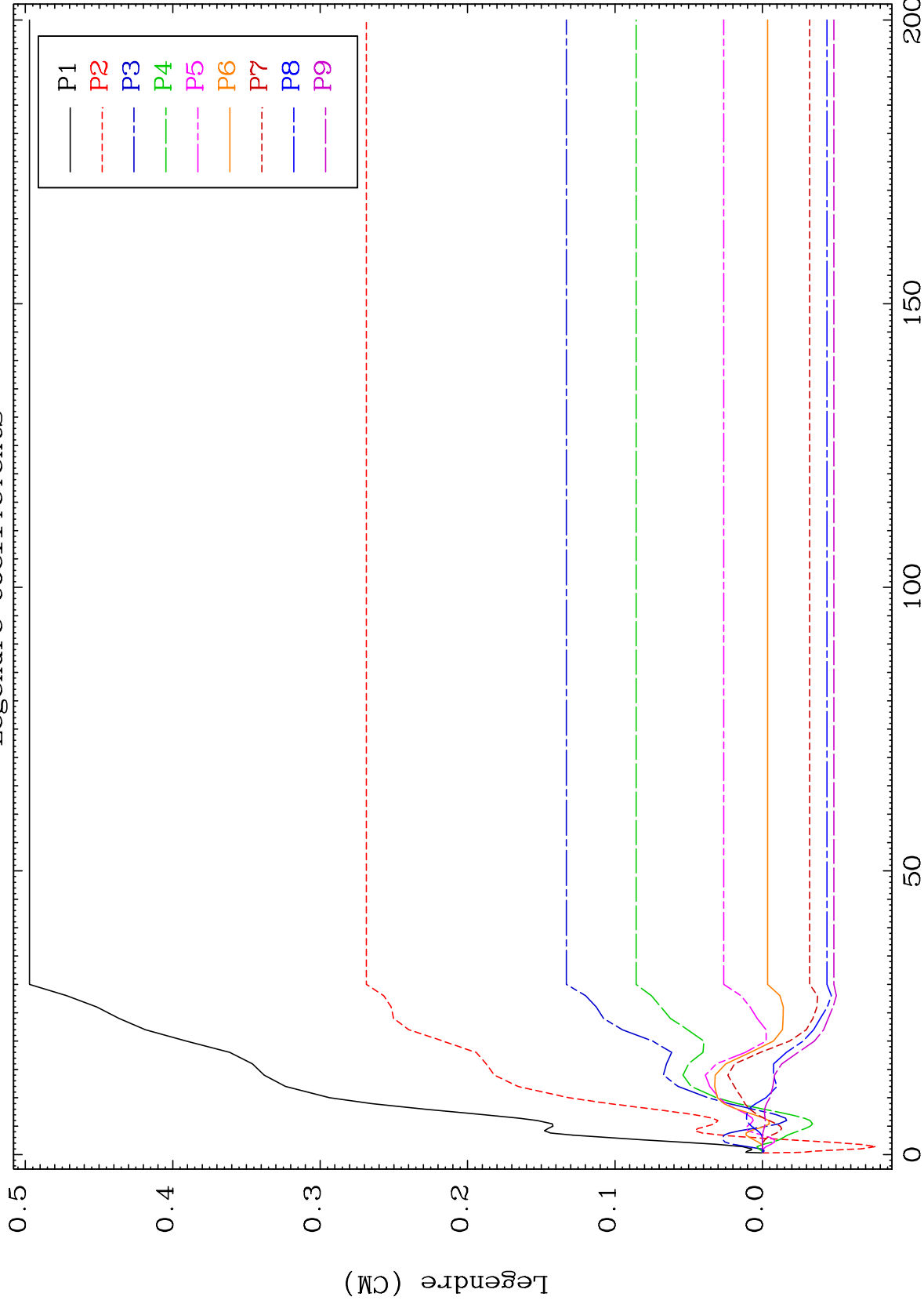
44-Ru-106



MAT 4455

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

44-Ru-106



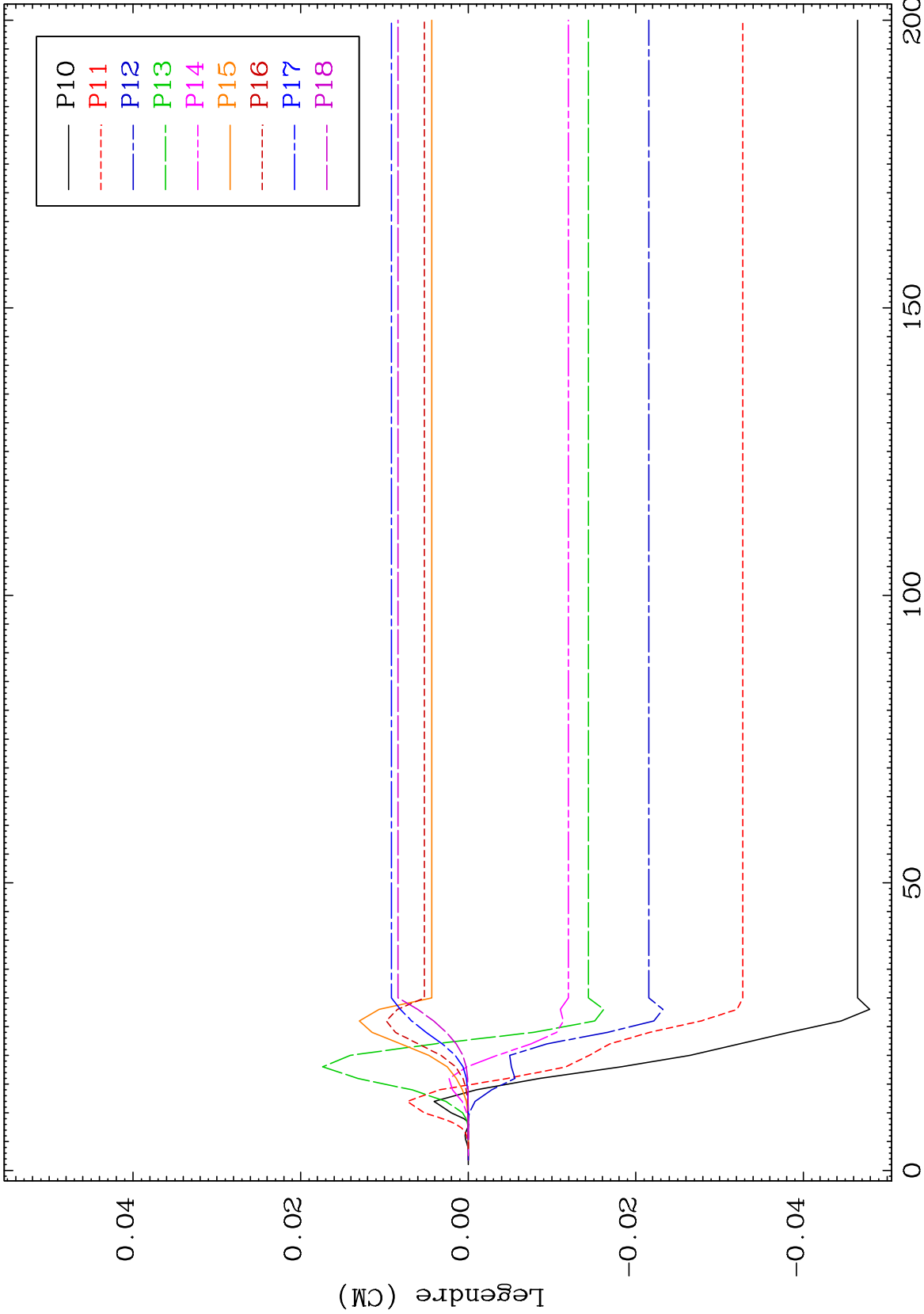
44-Ru-106

Incident Energy (MeV)

MAT 4455

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

44-Ru-106



21

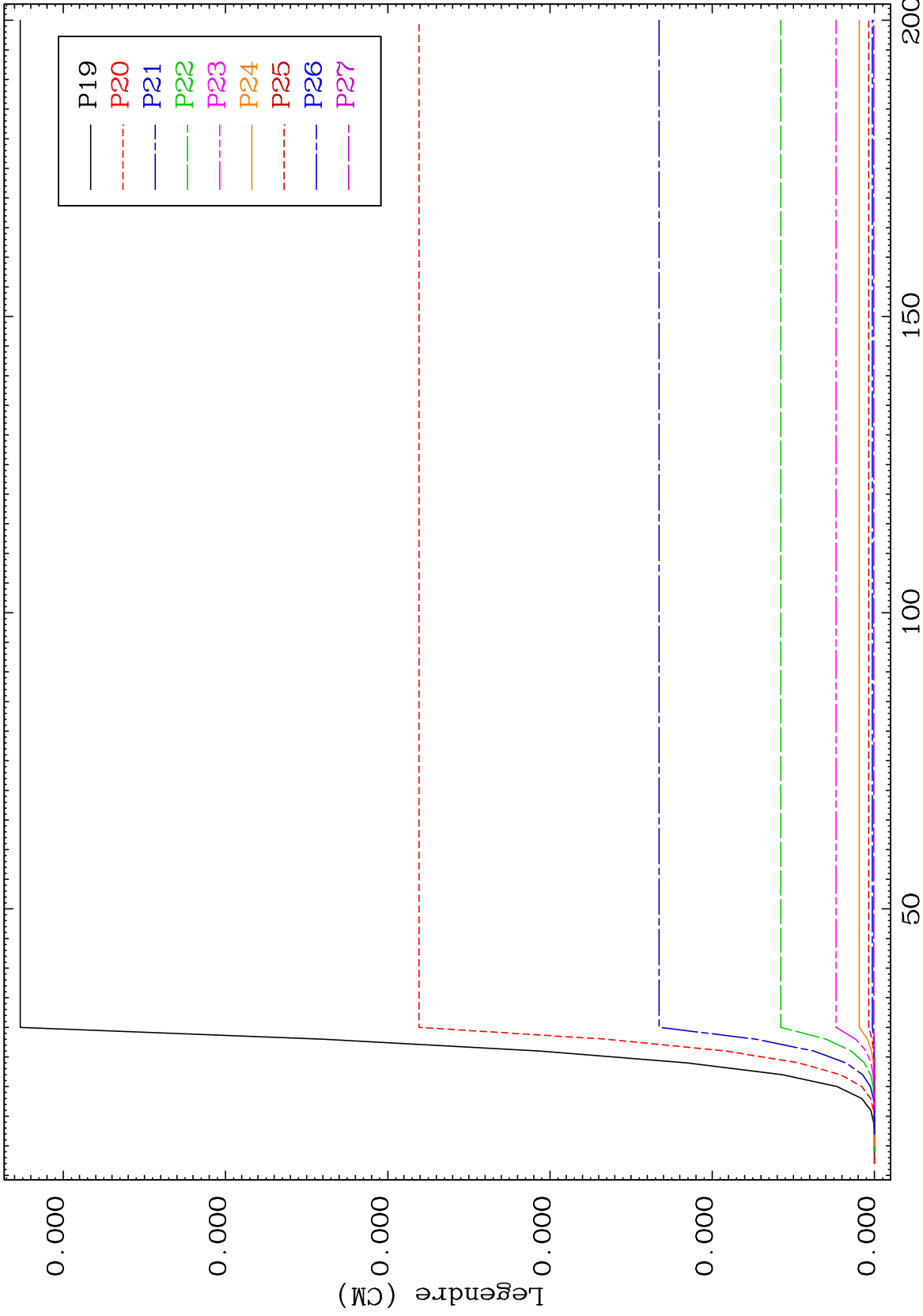
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



22

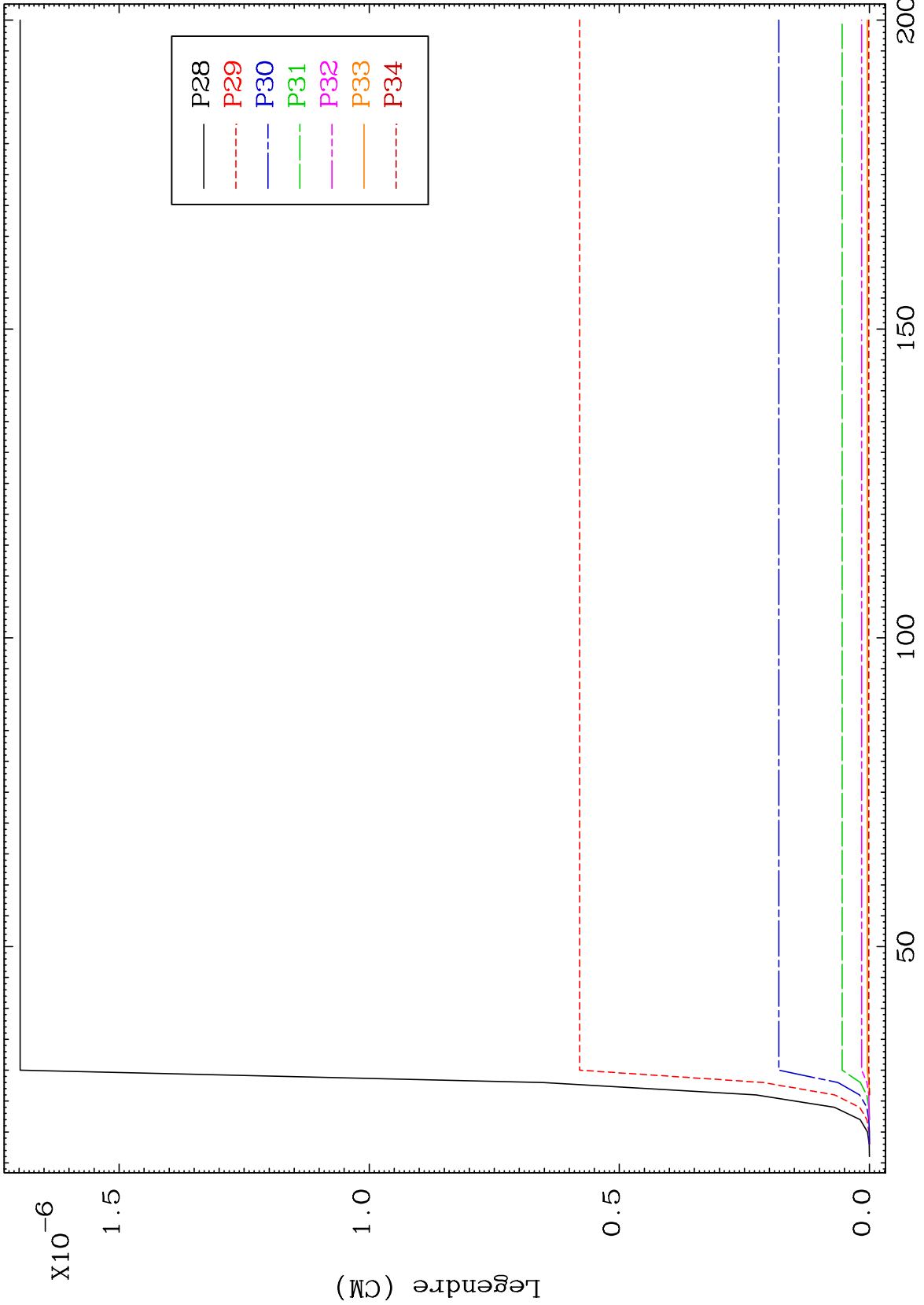
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



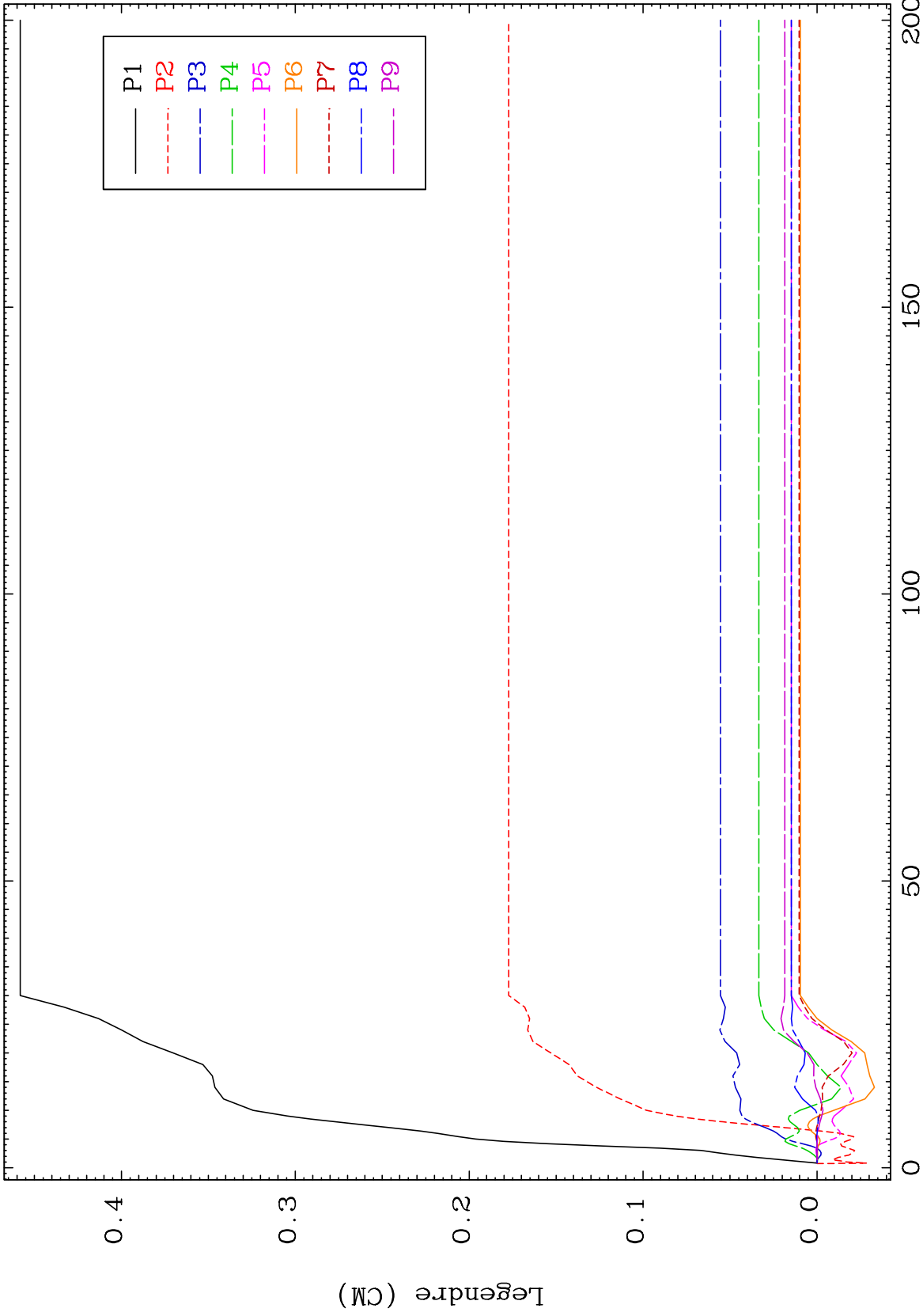
23

44-Ru-106

MAT 4455

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

44-Ru-106



24

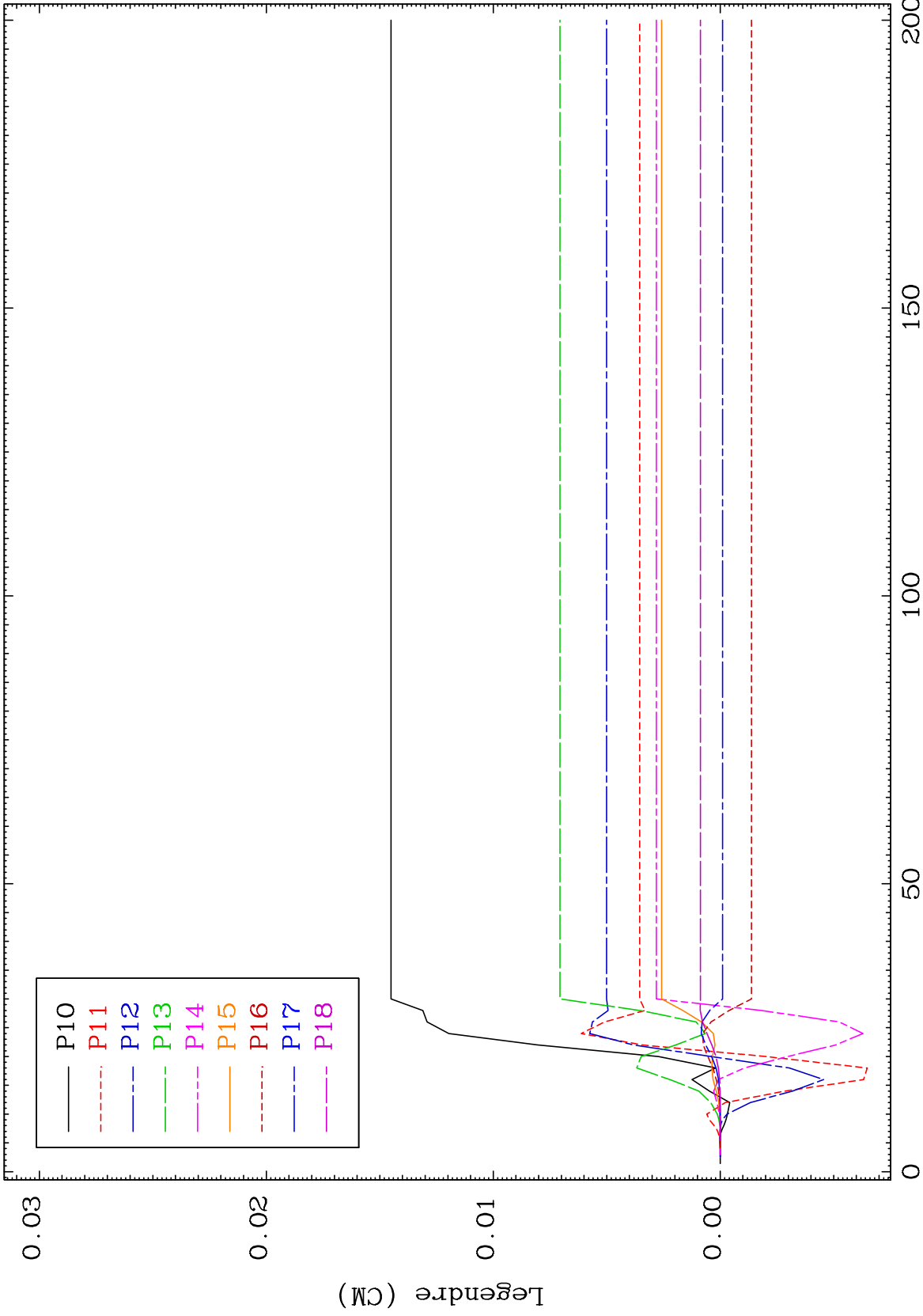
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

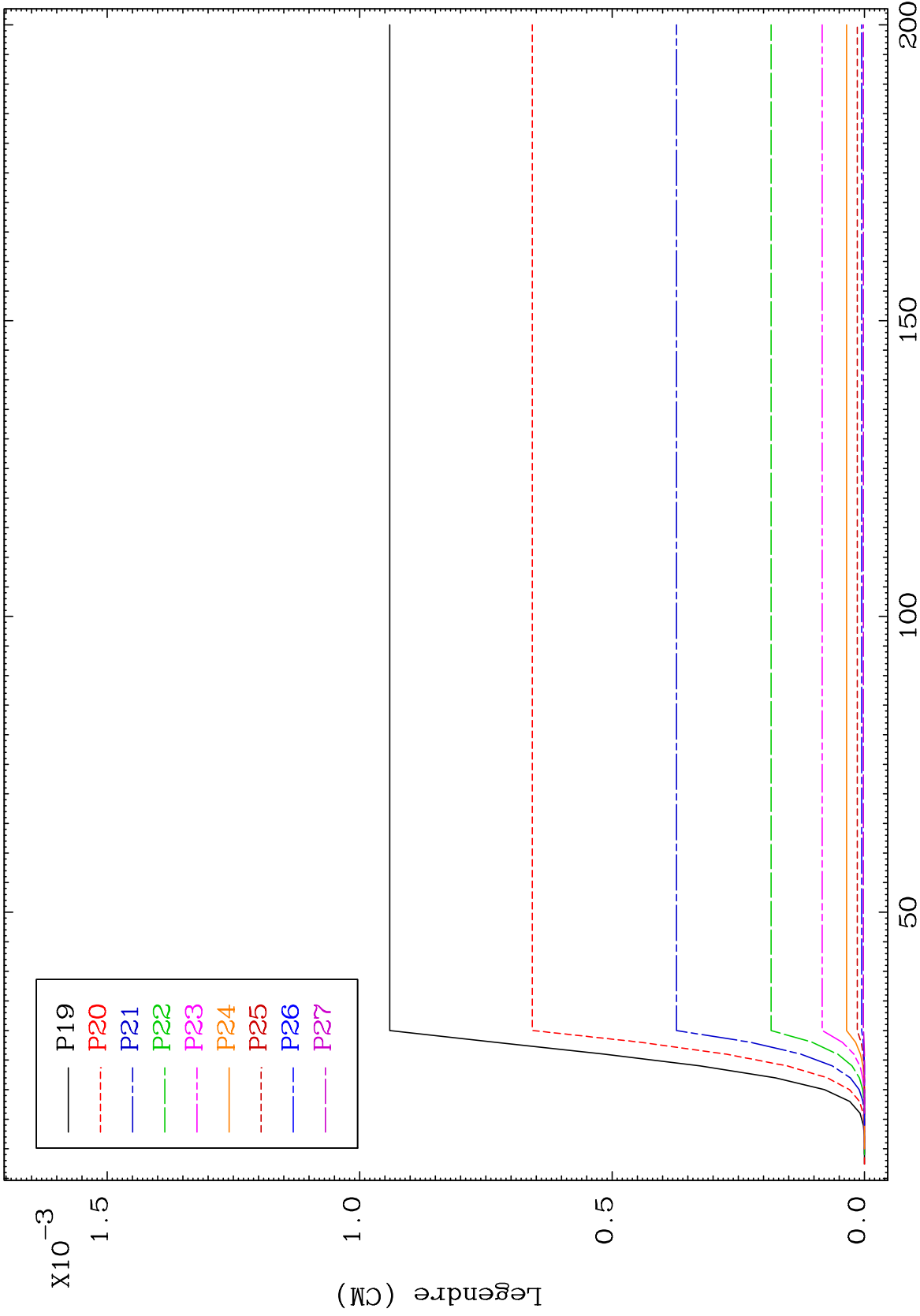
44-Ru-106



25

Incident Energy (MeV)

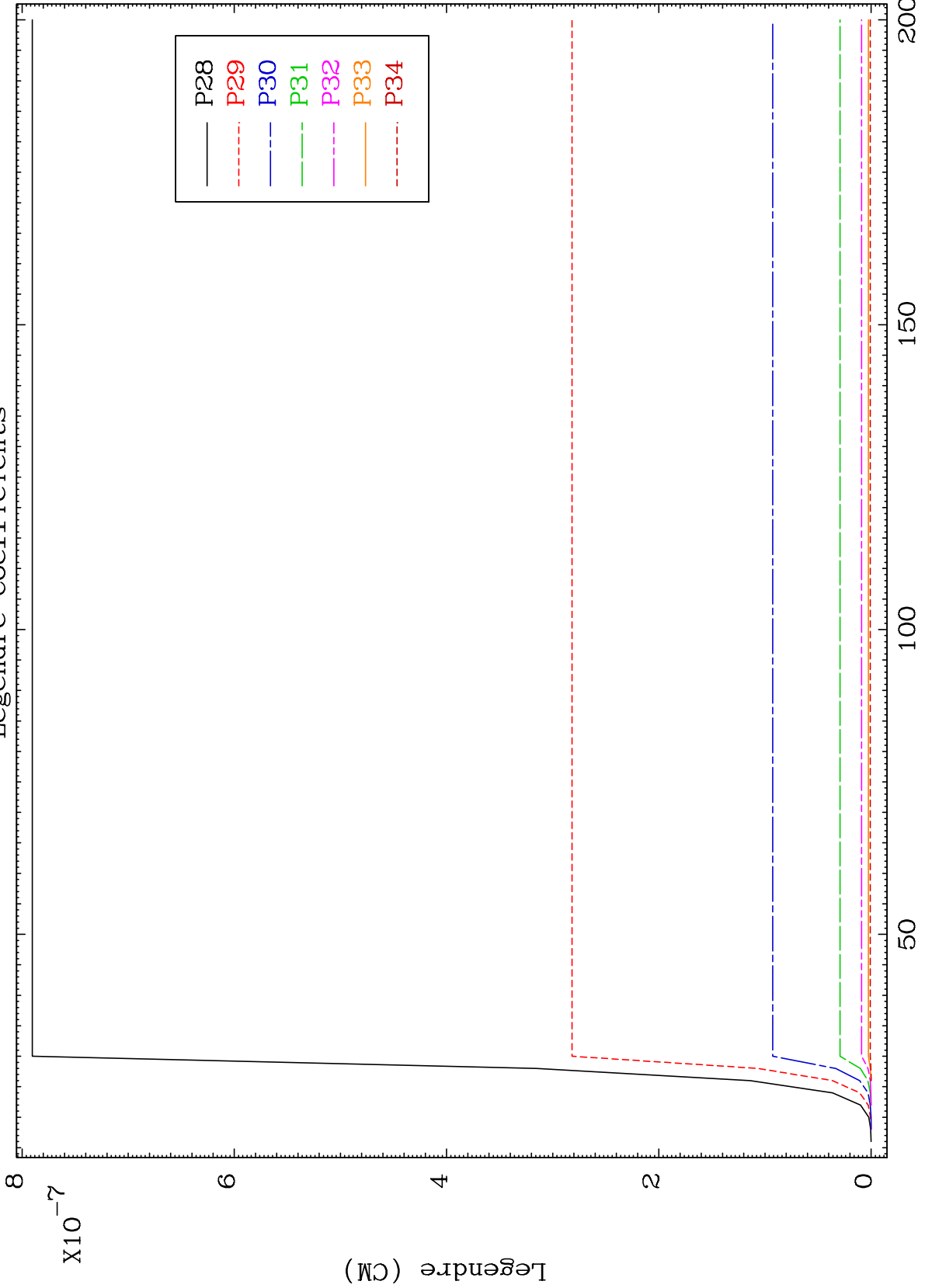
44-Ru-106



MAT 4455

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

44-Ru-106



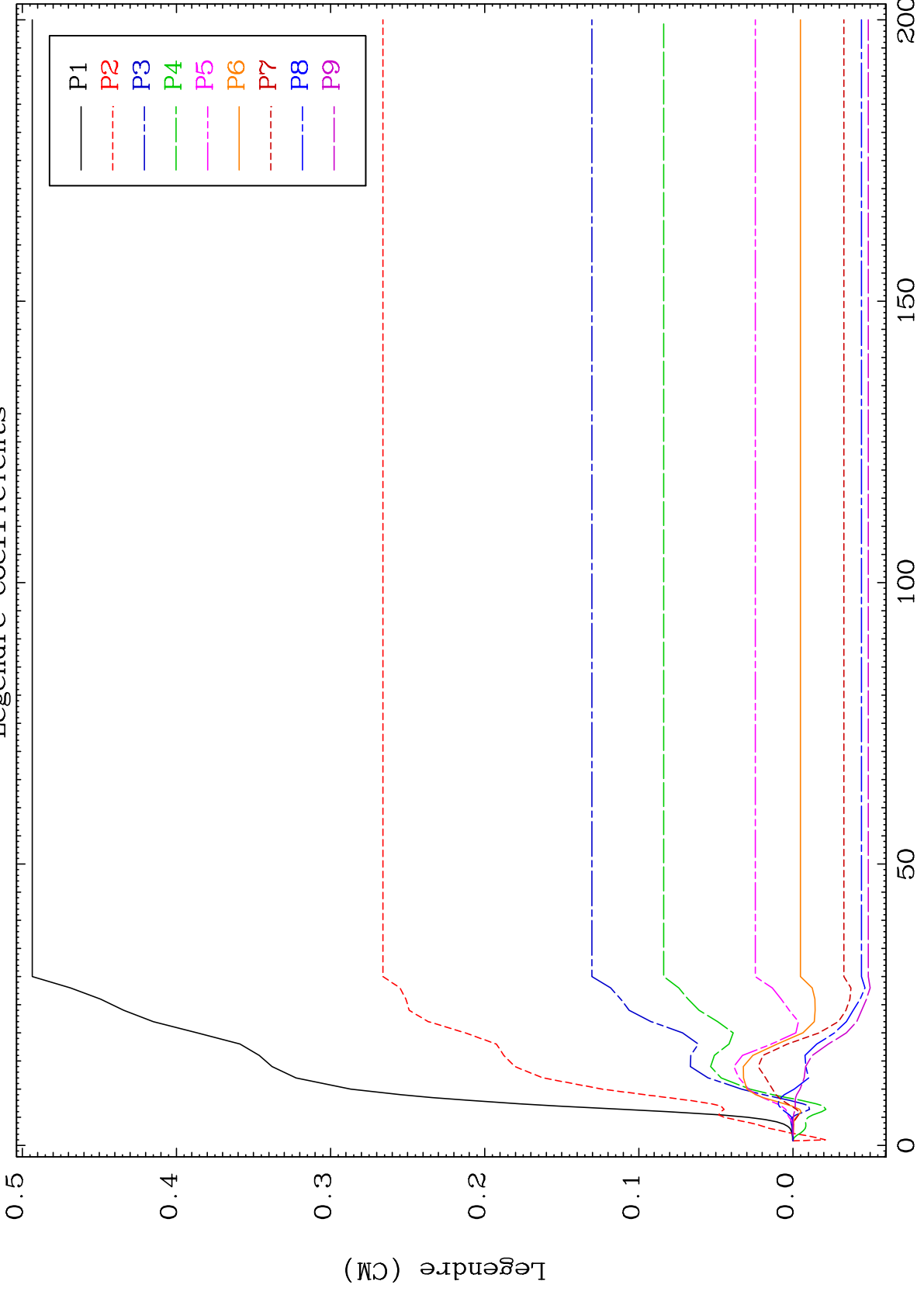
27

44-Ru-106

MAT 4455

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

44-Ru-106



28

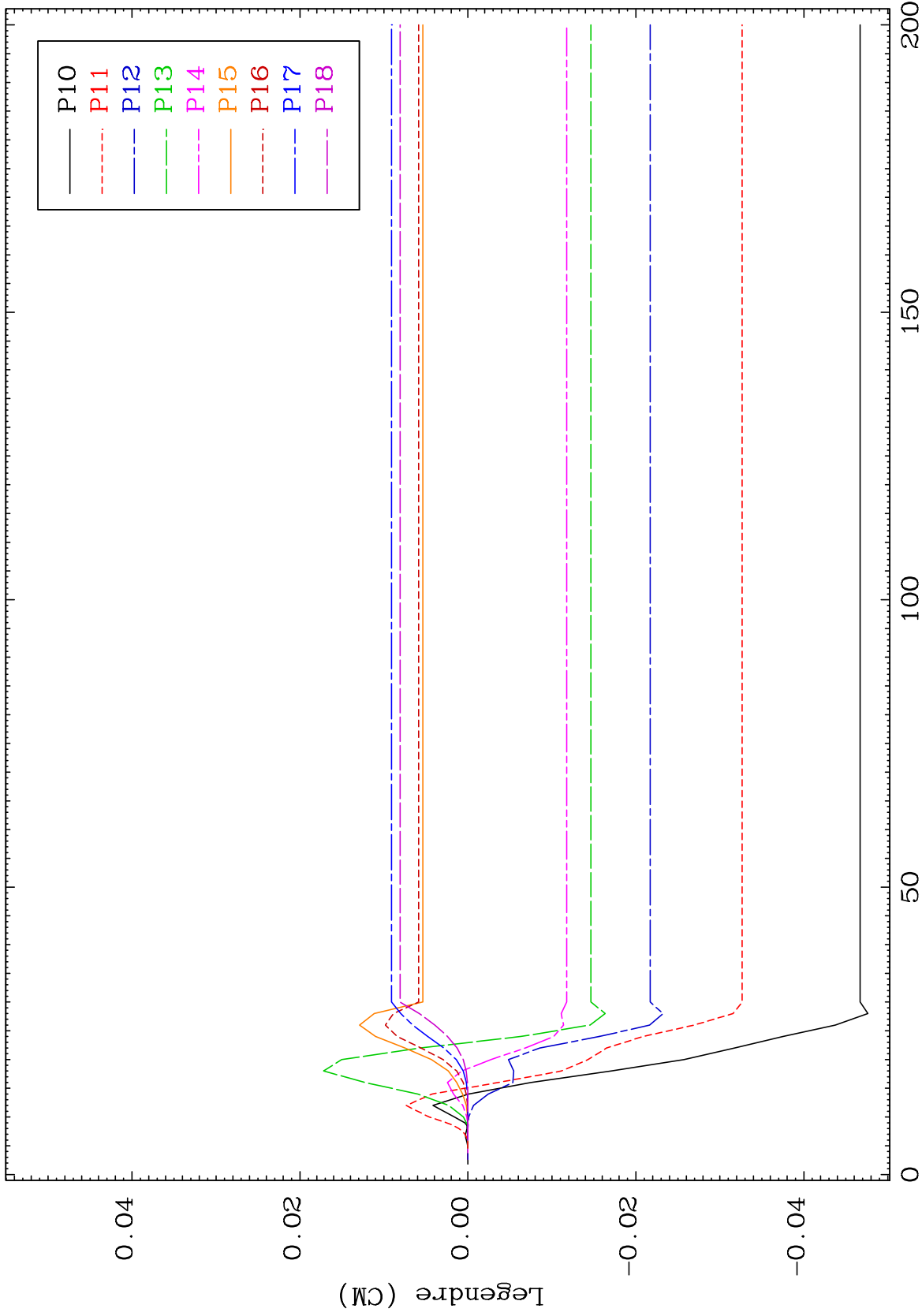
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



29

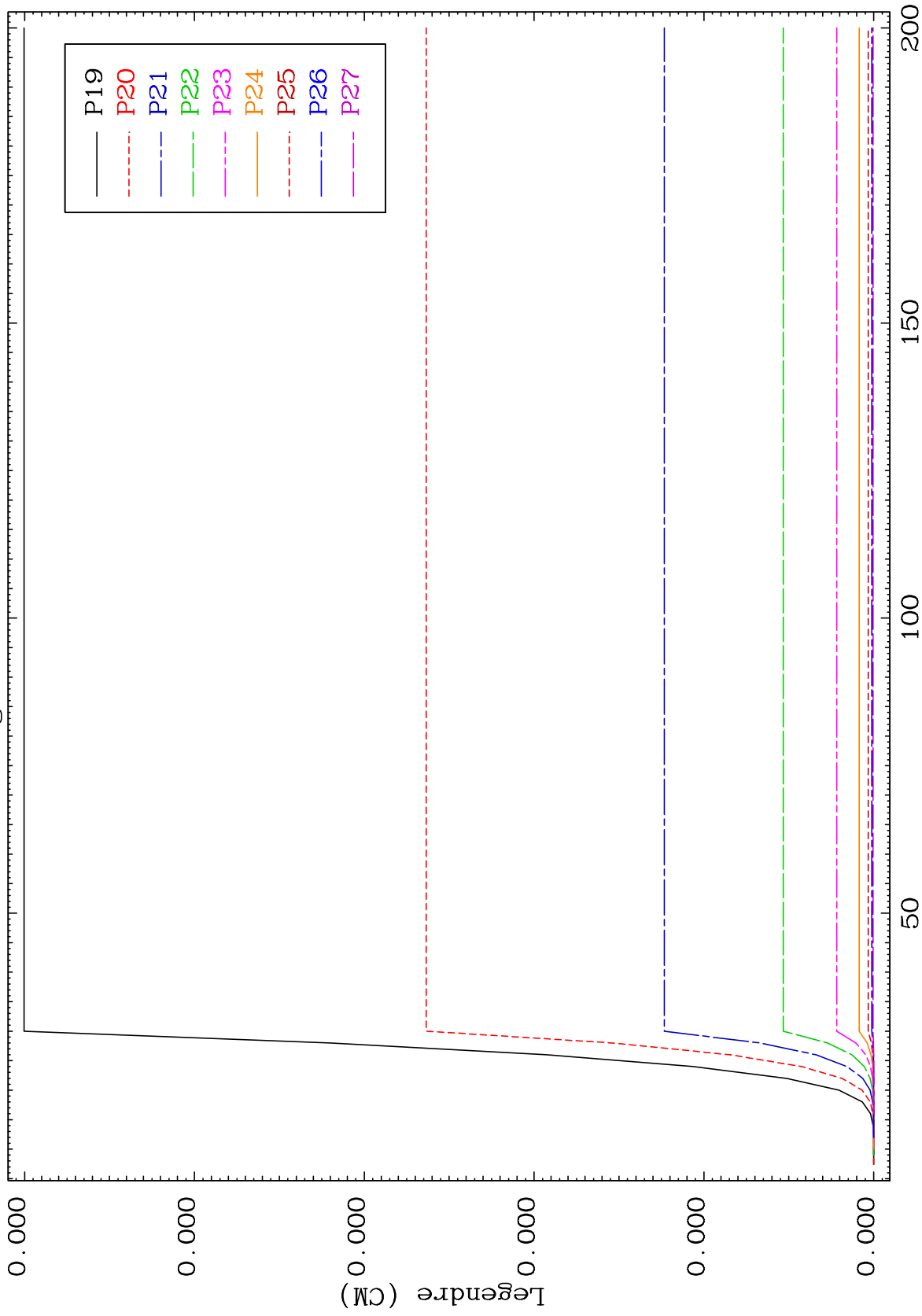
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



30

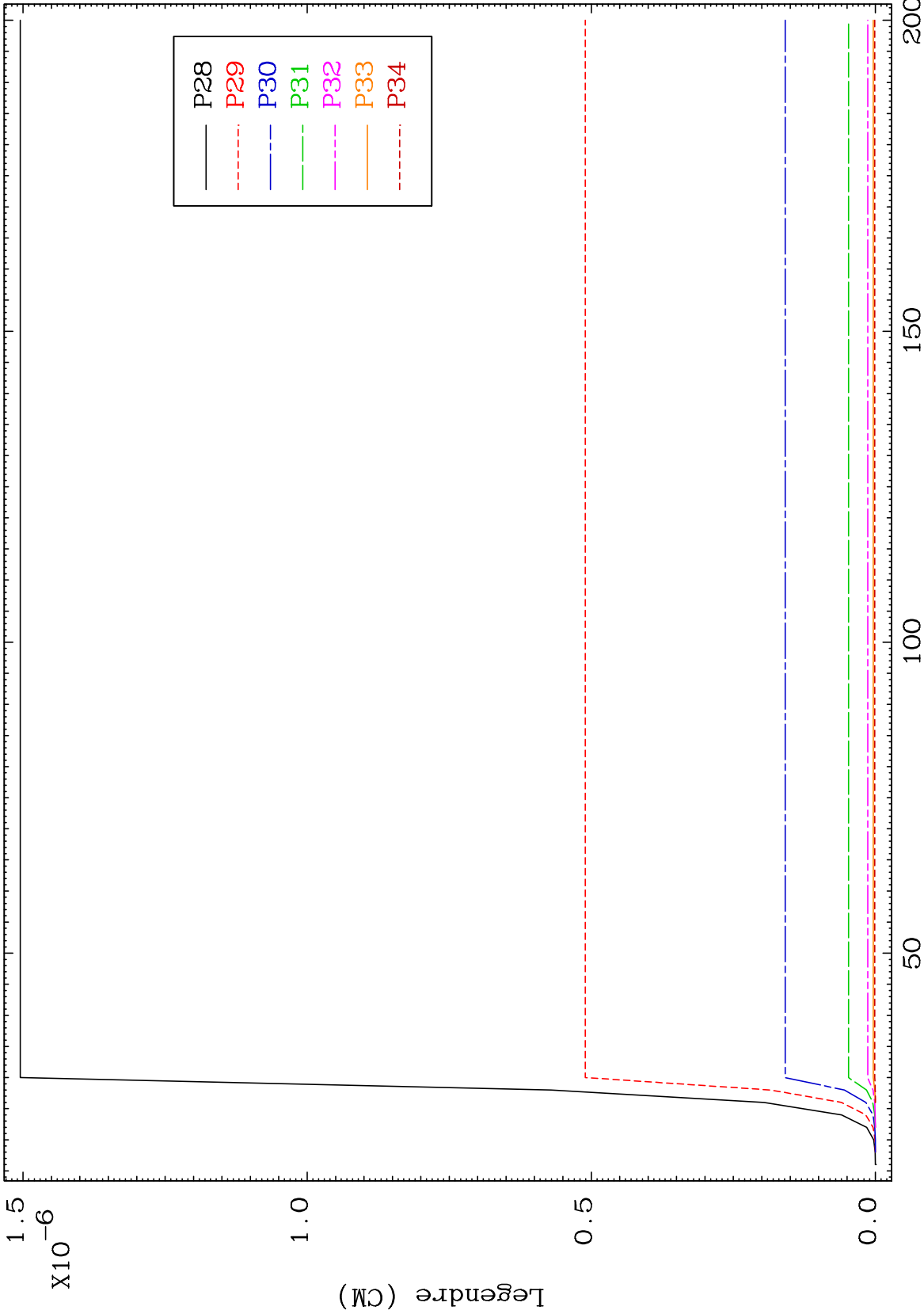
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



31

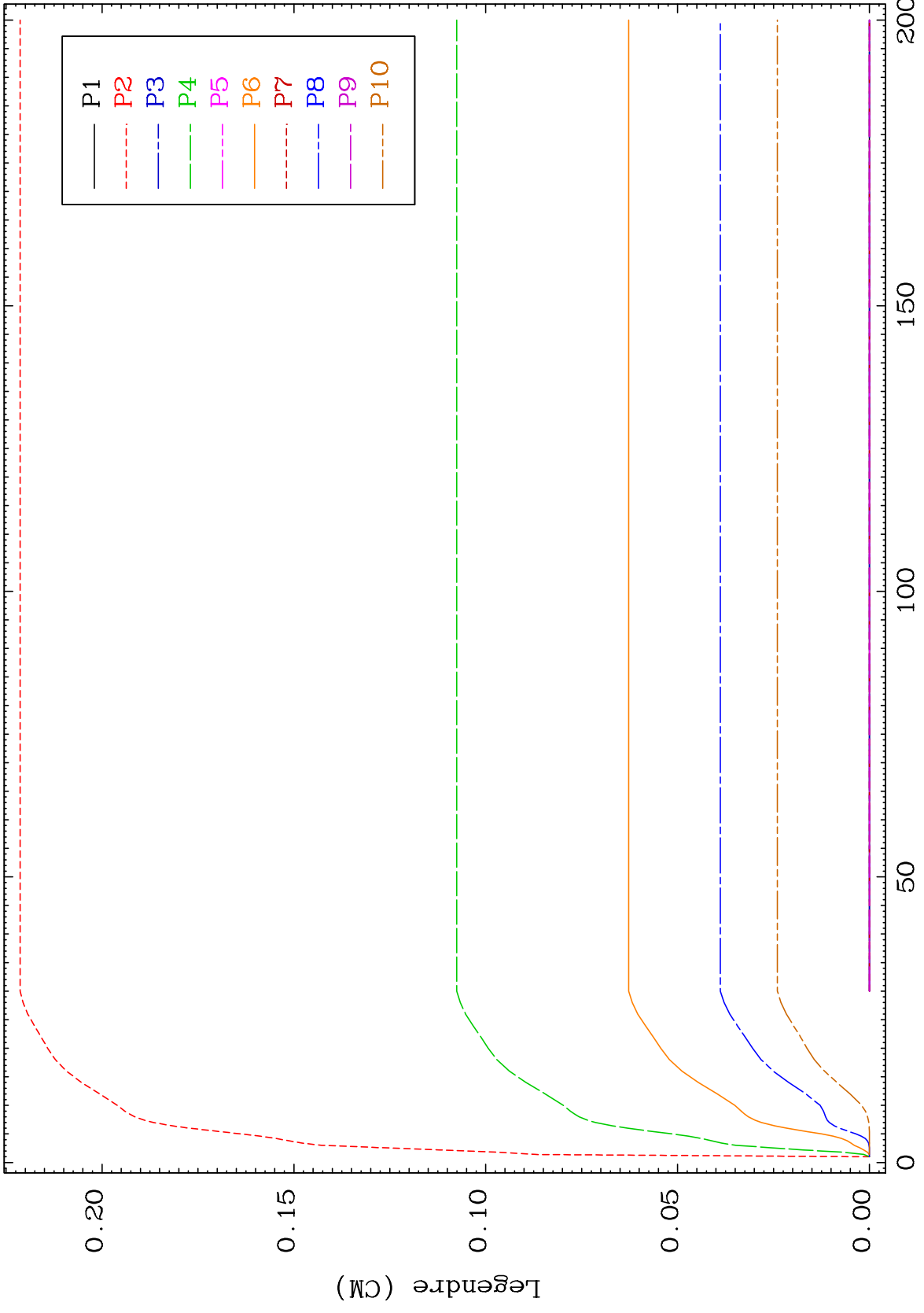
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



32

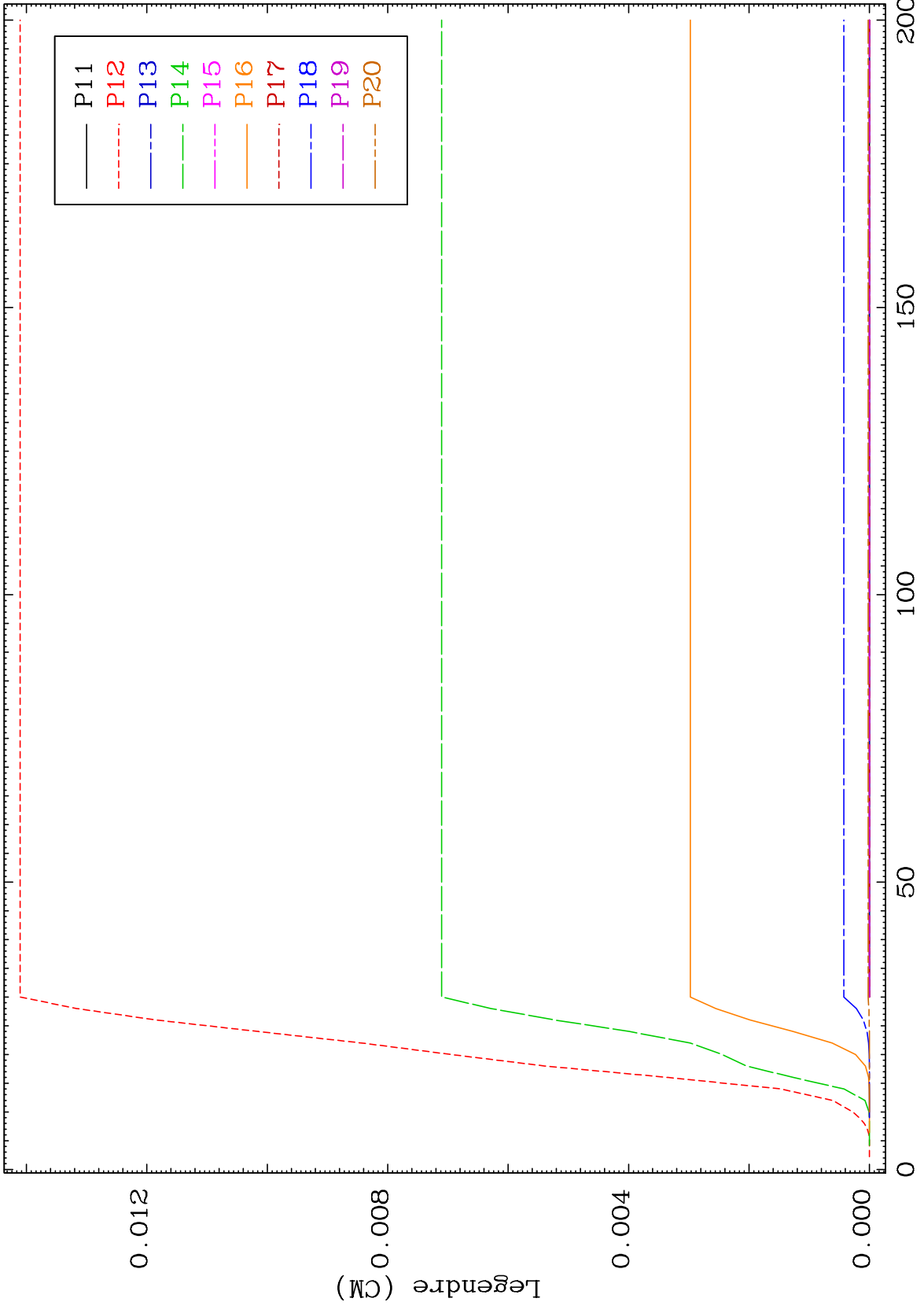
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



33

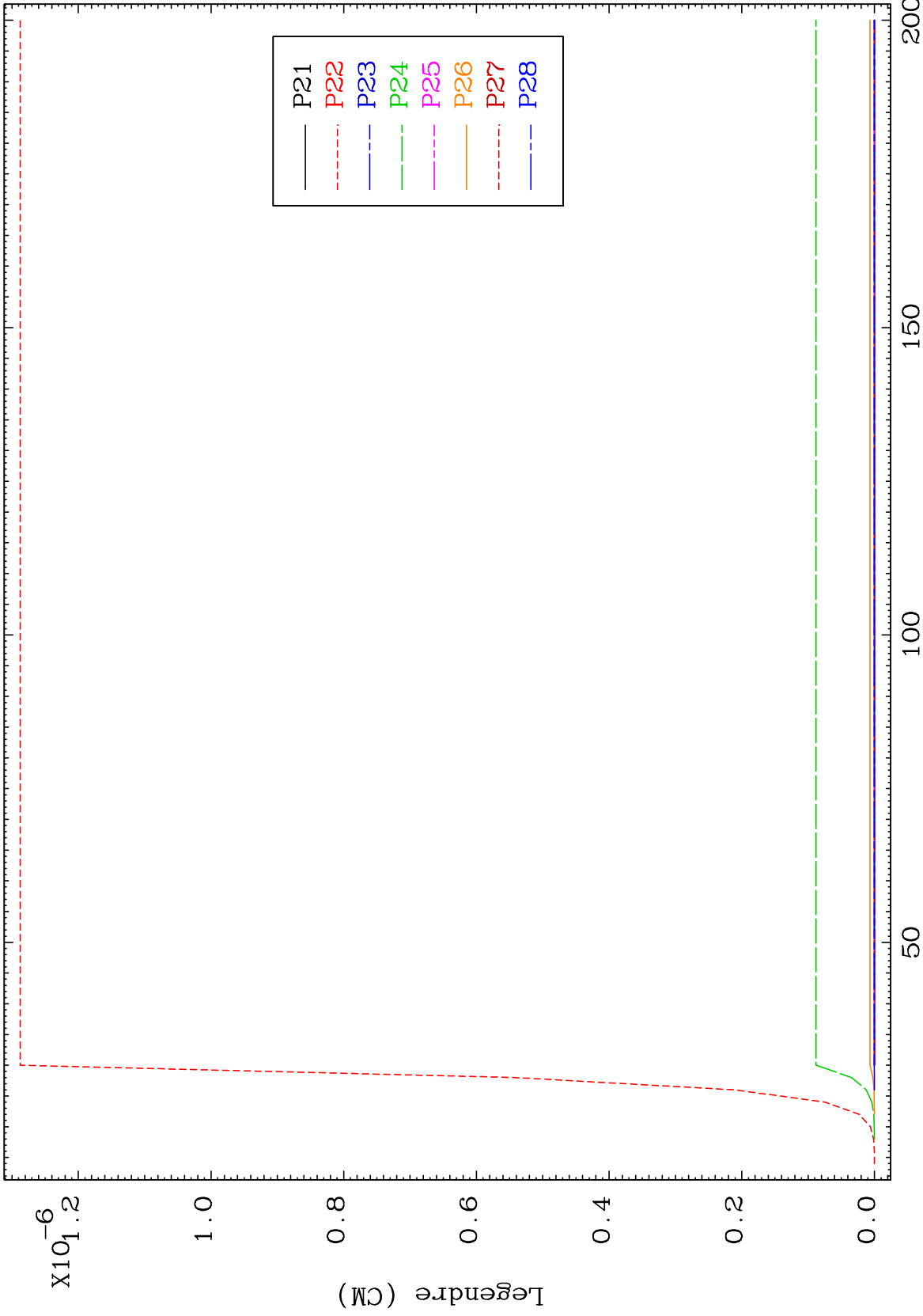
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



34

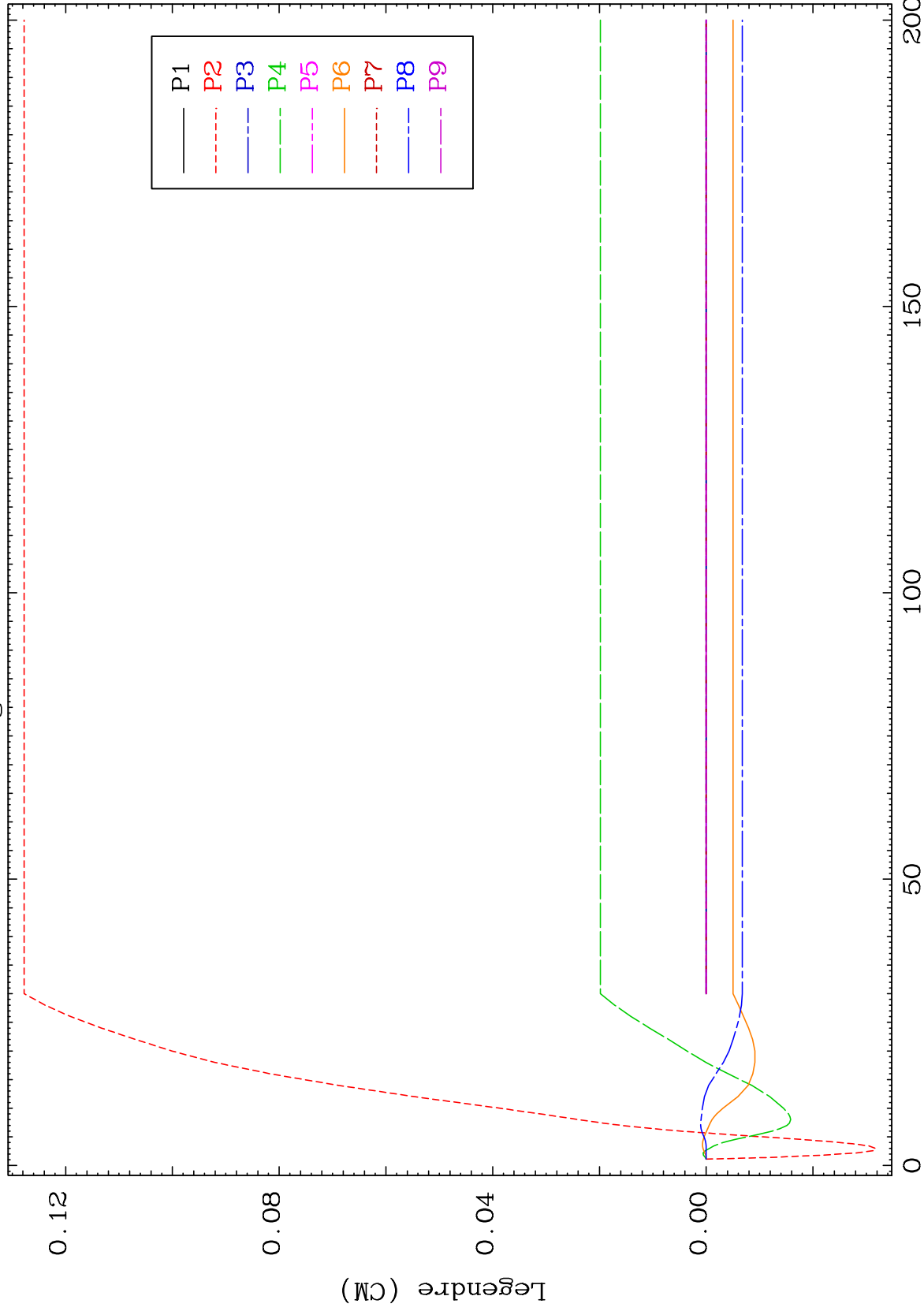
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



35

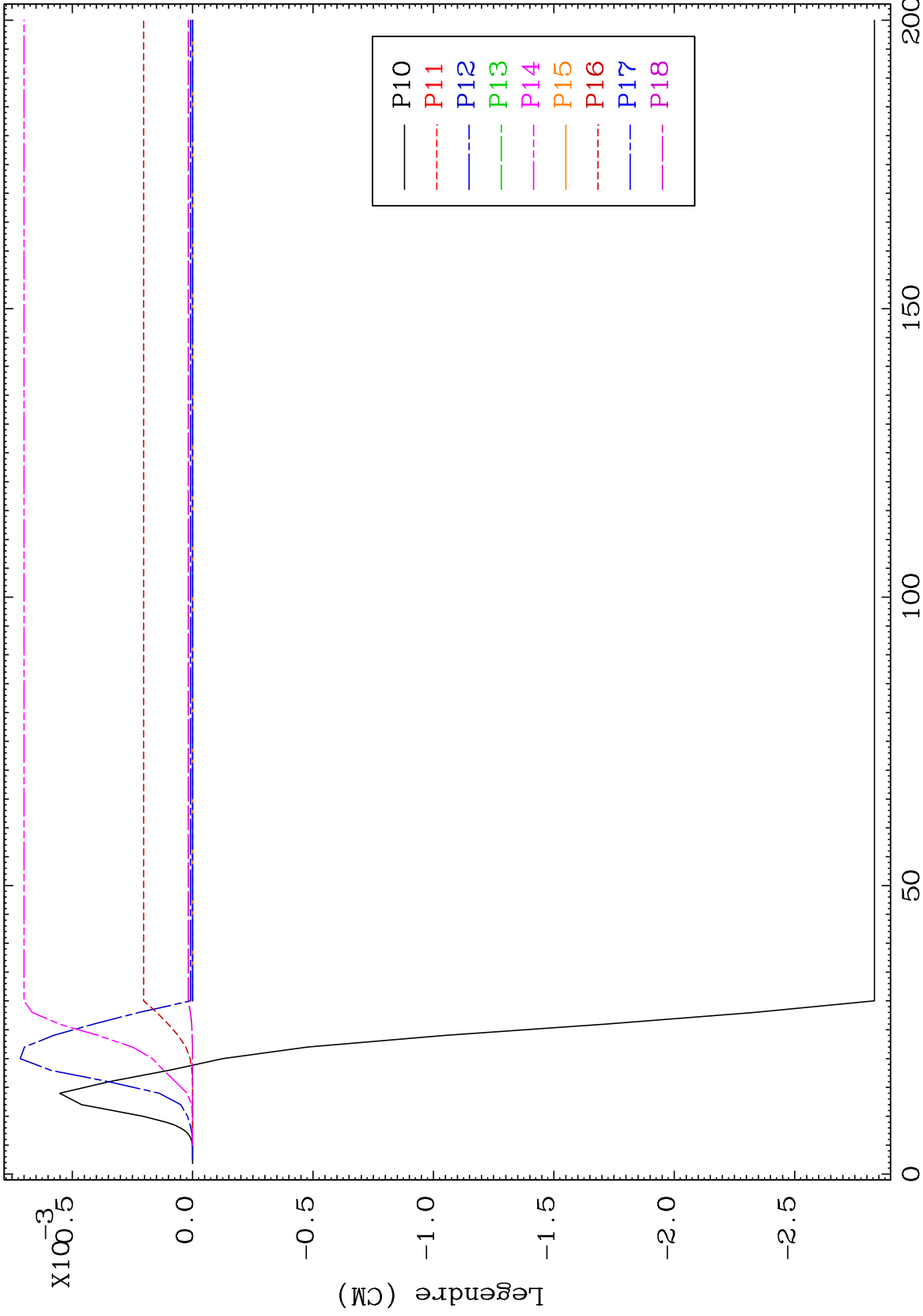
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



36

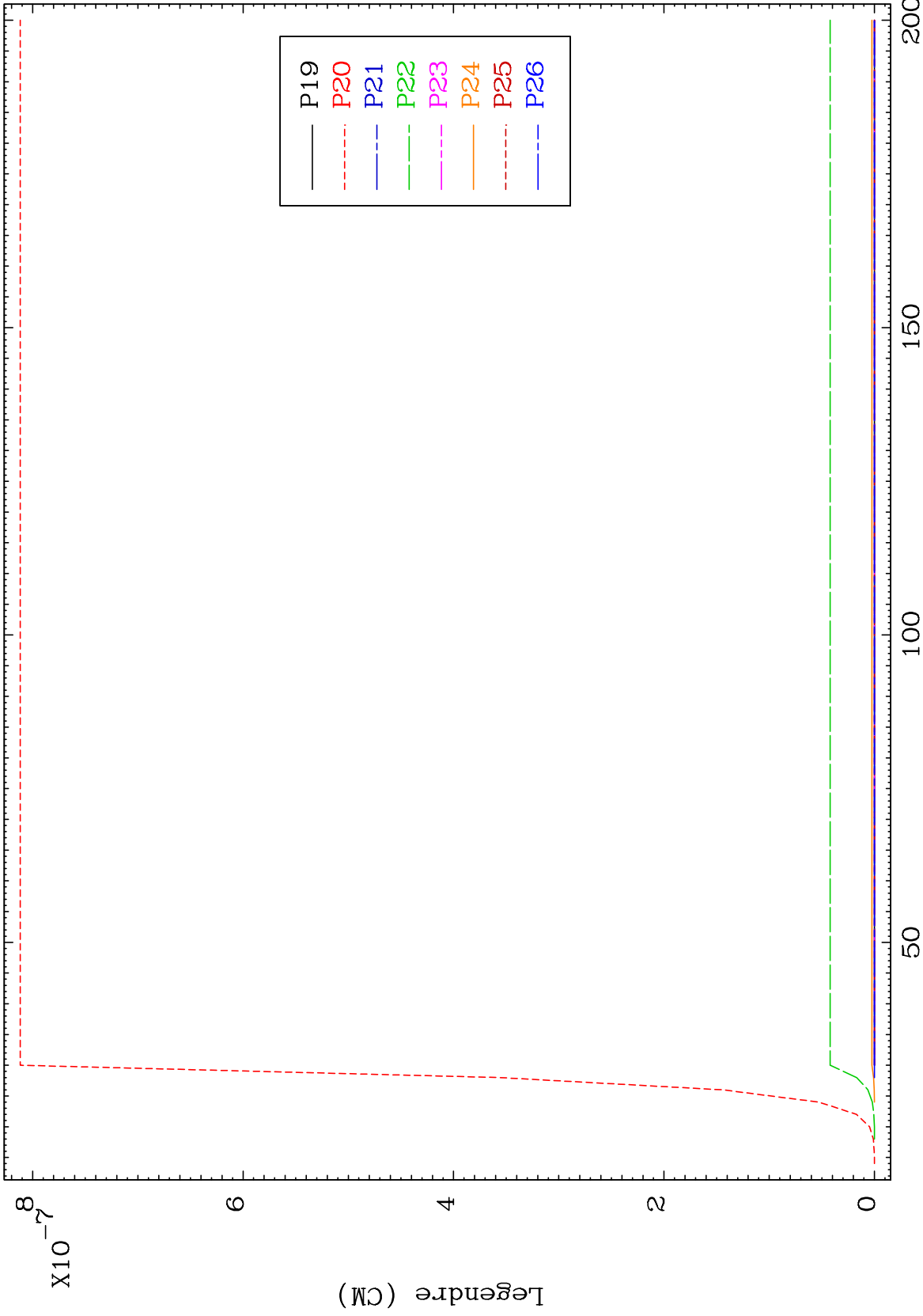
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



37

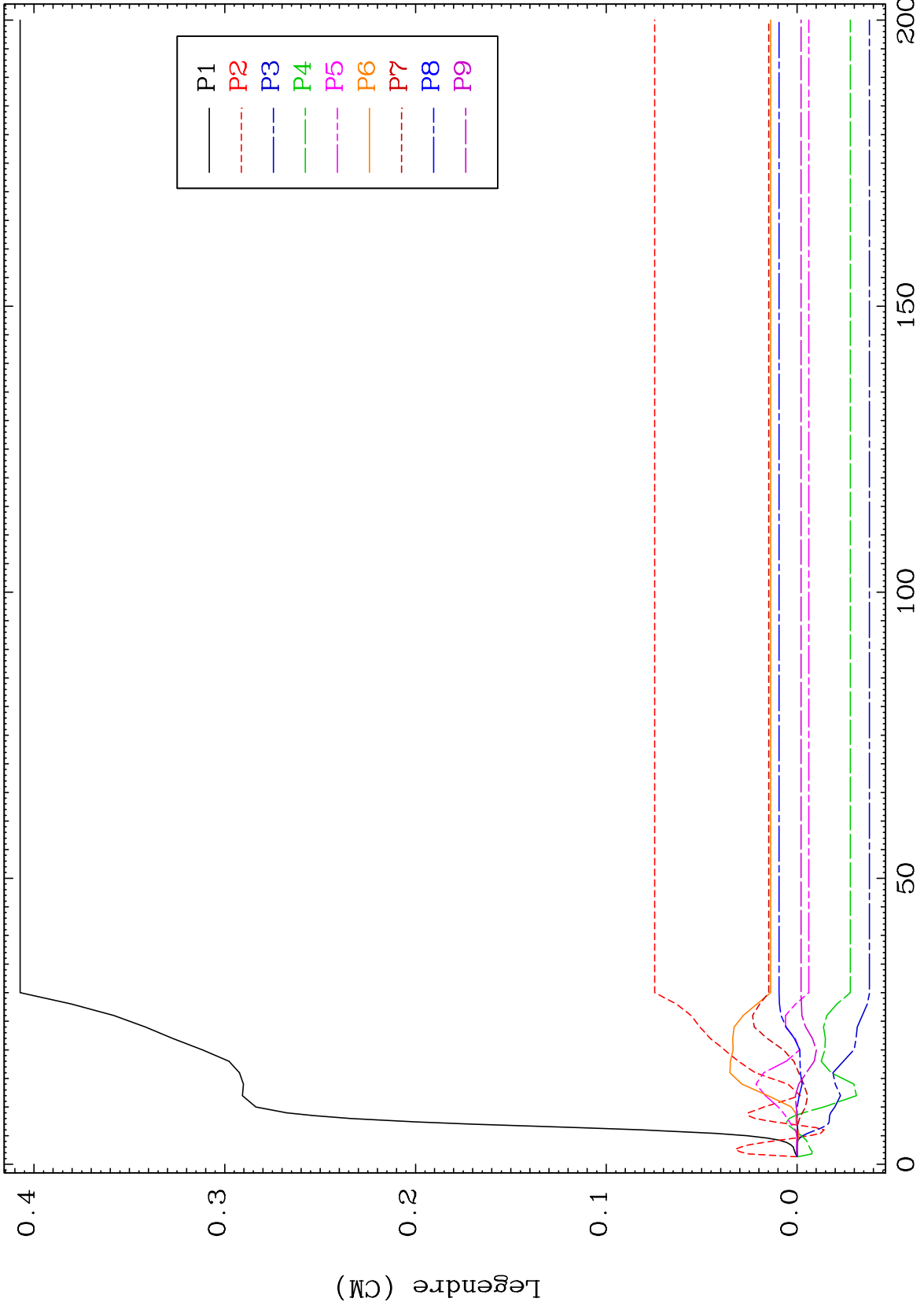
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



38

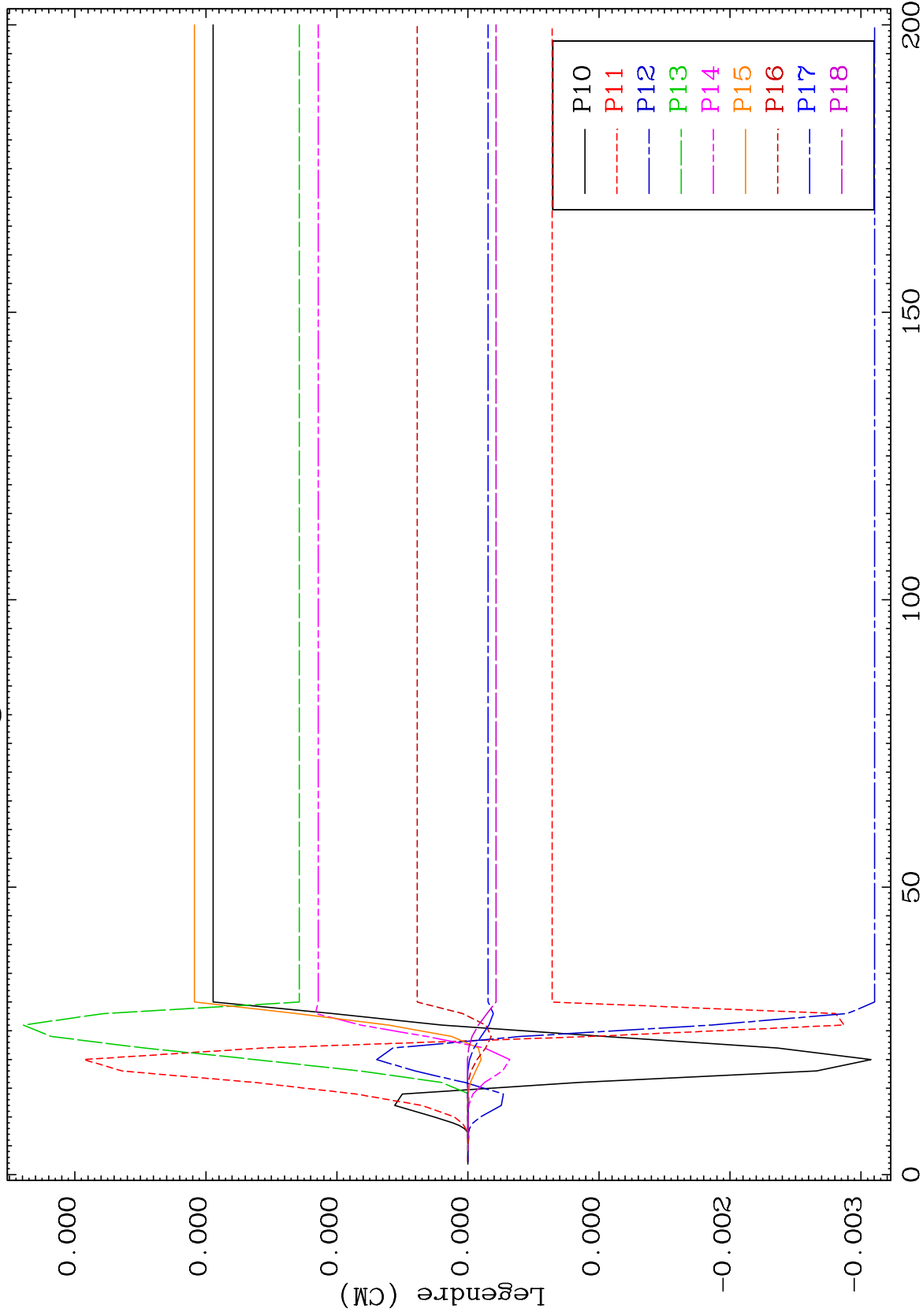
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



39

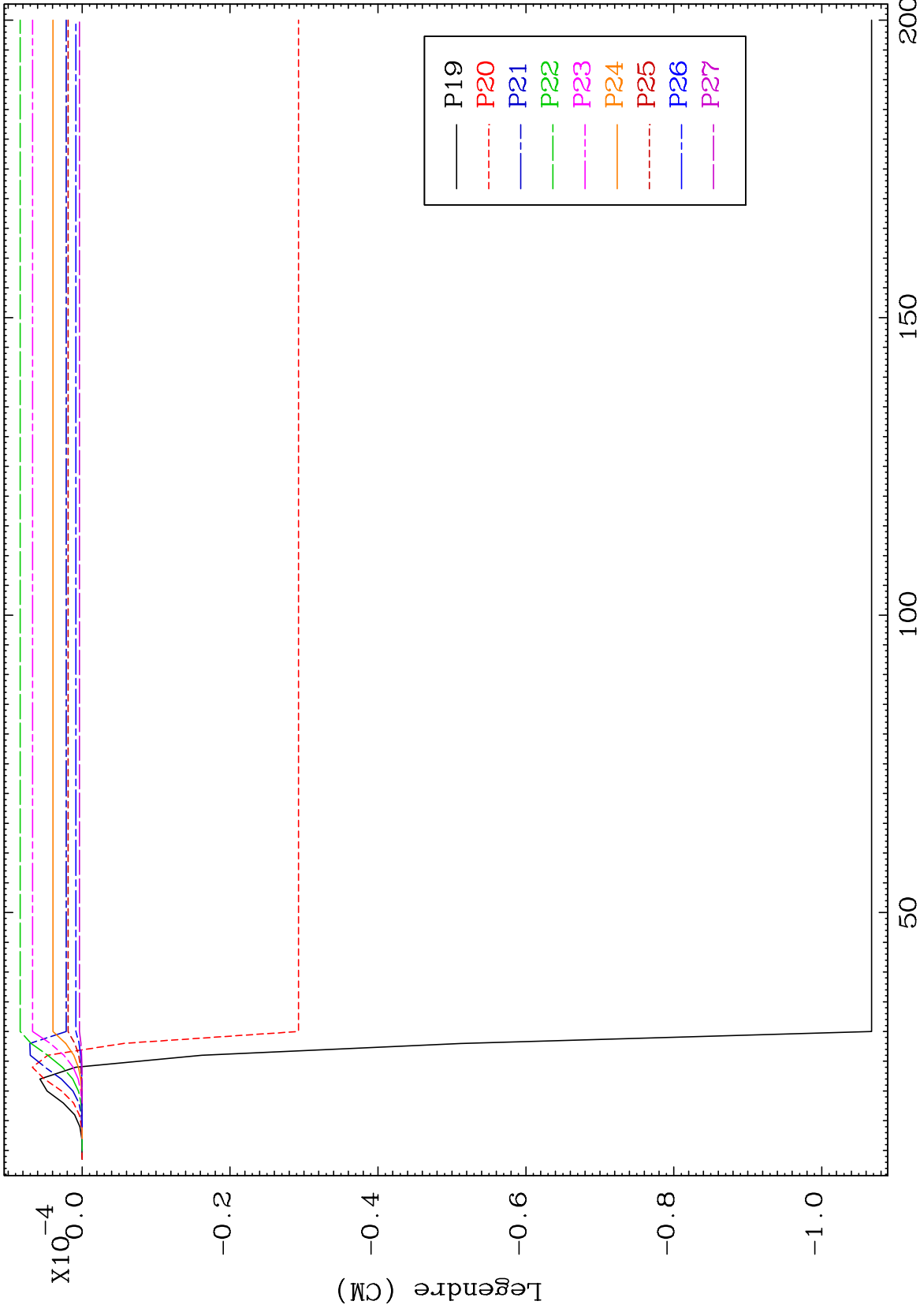
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

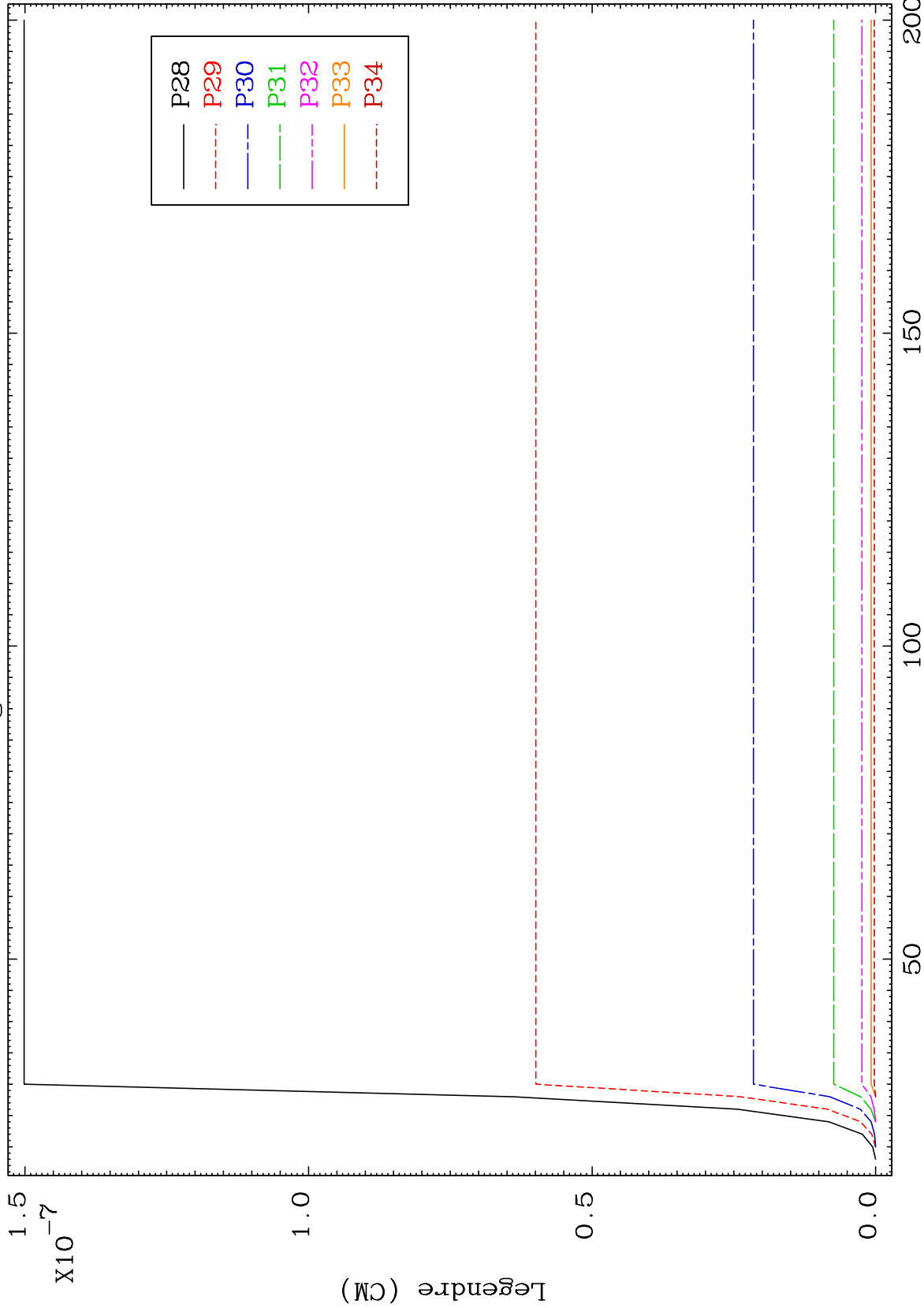
Incident Energy (MeV)

40

MAT 4455

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

44-Ru-106



41

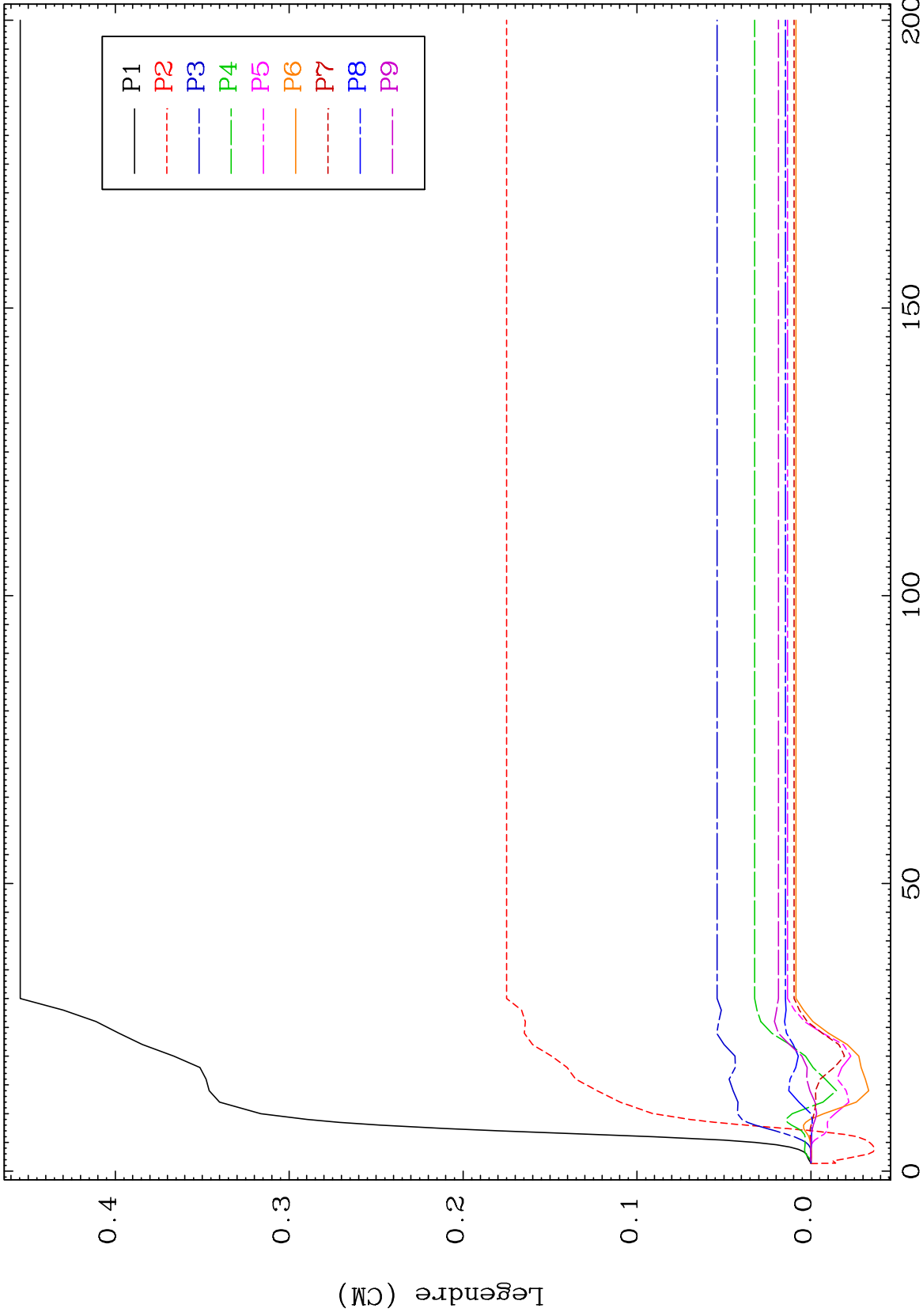
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



42

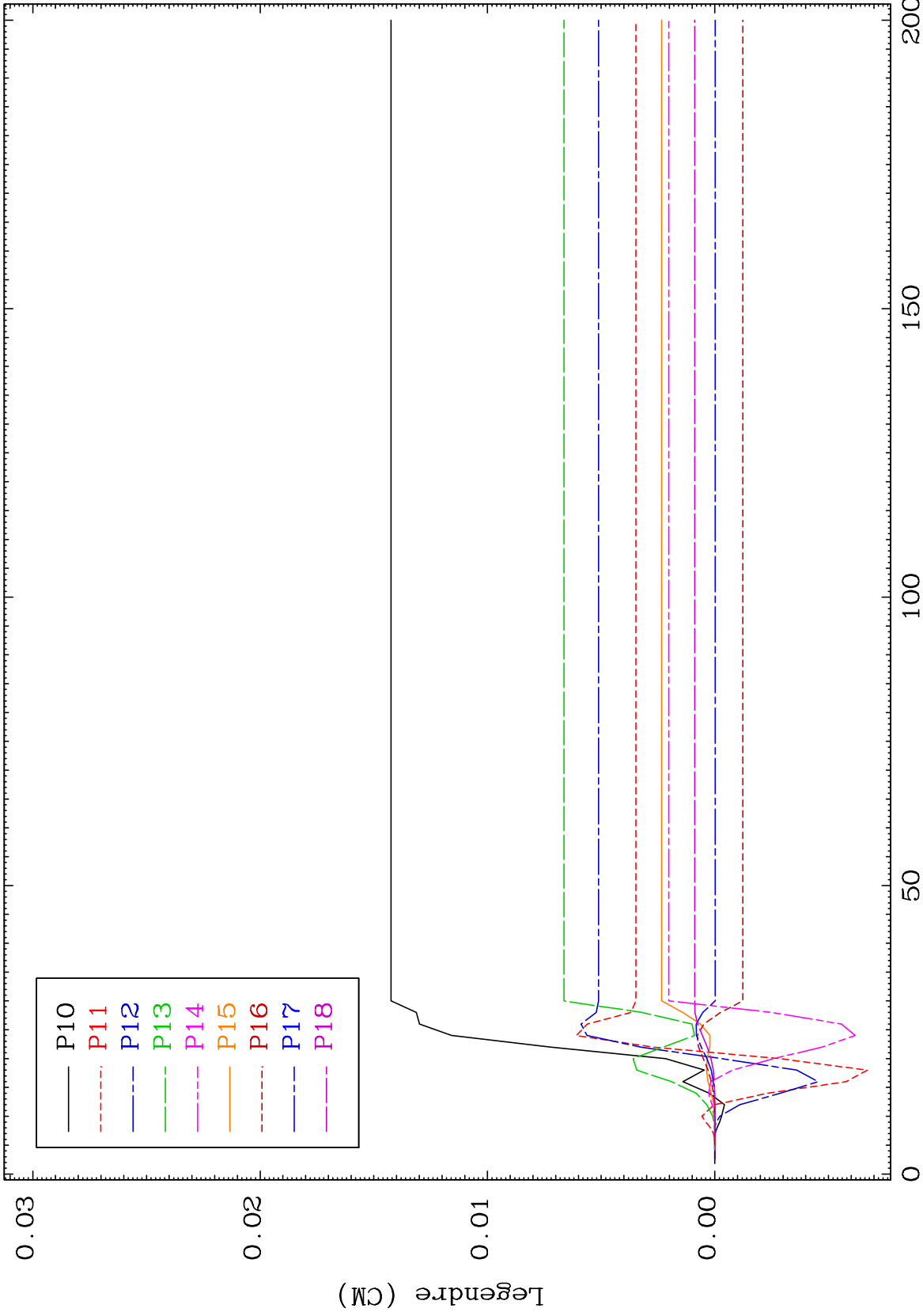
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



43

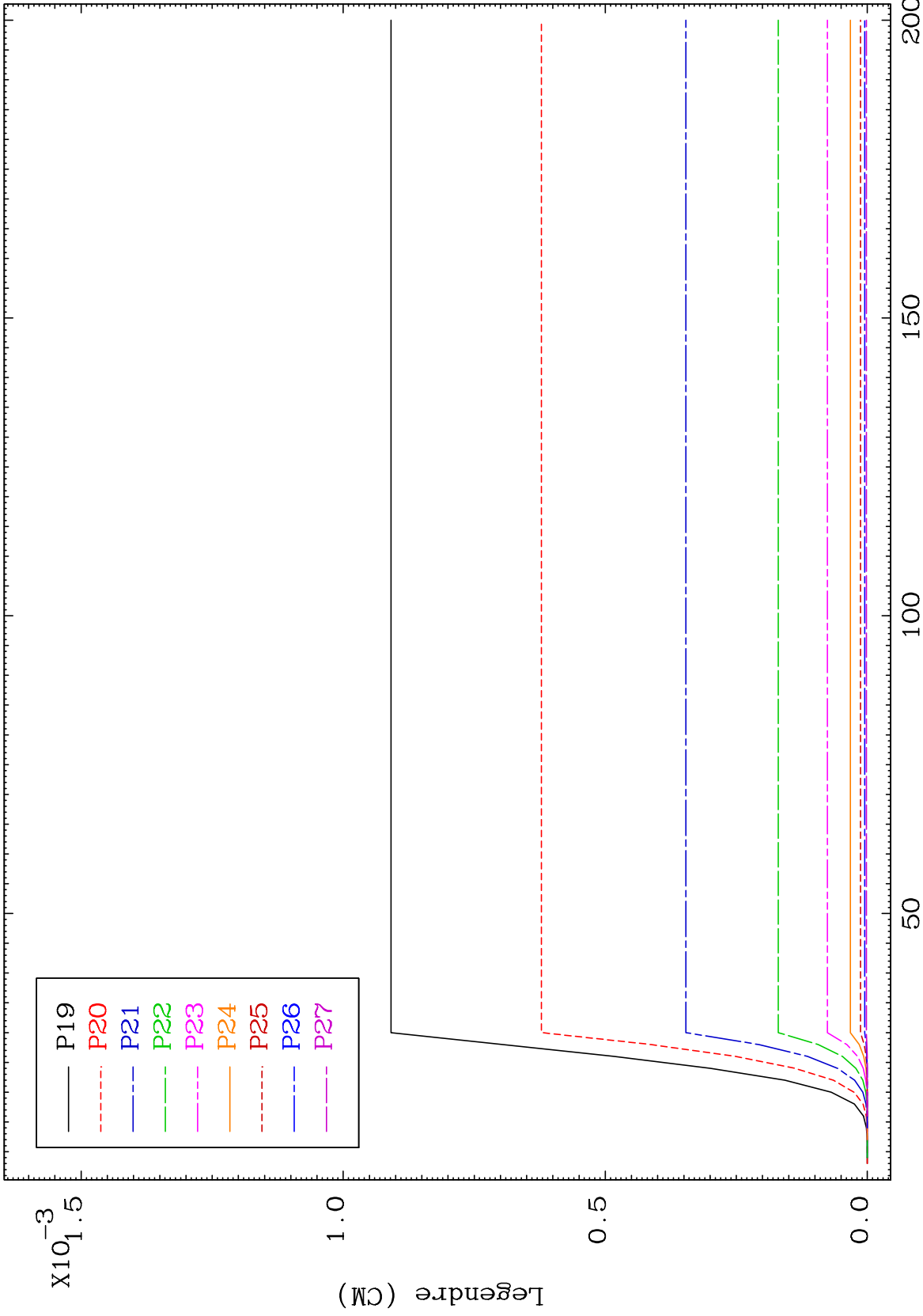
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



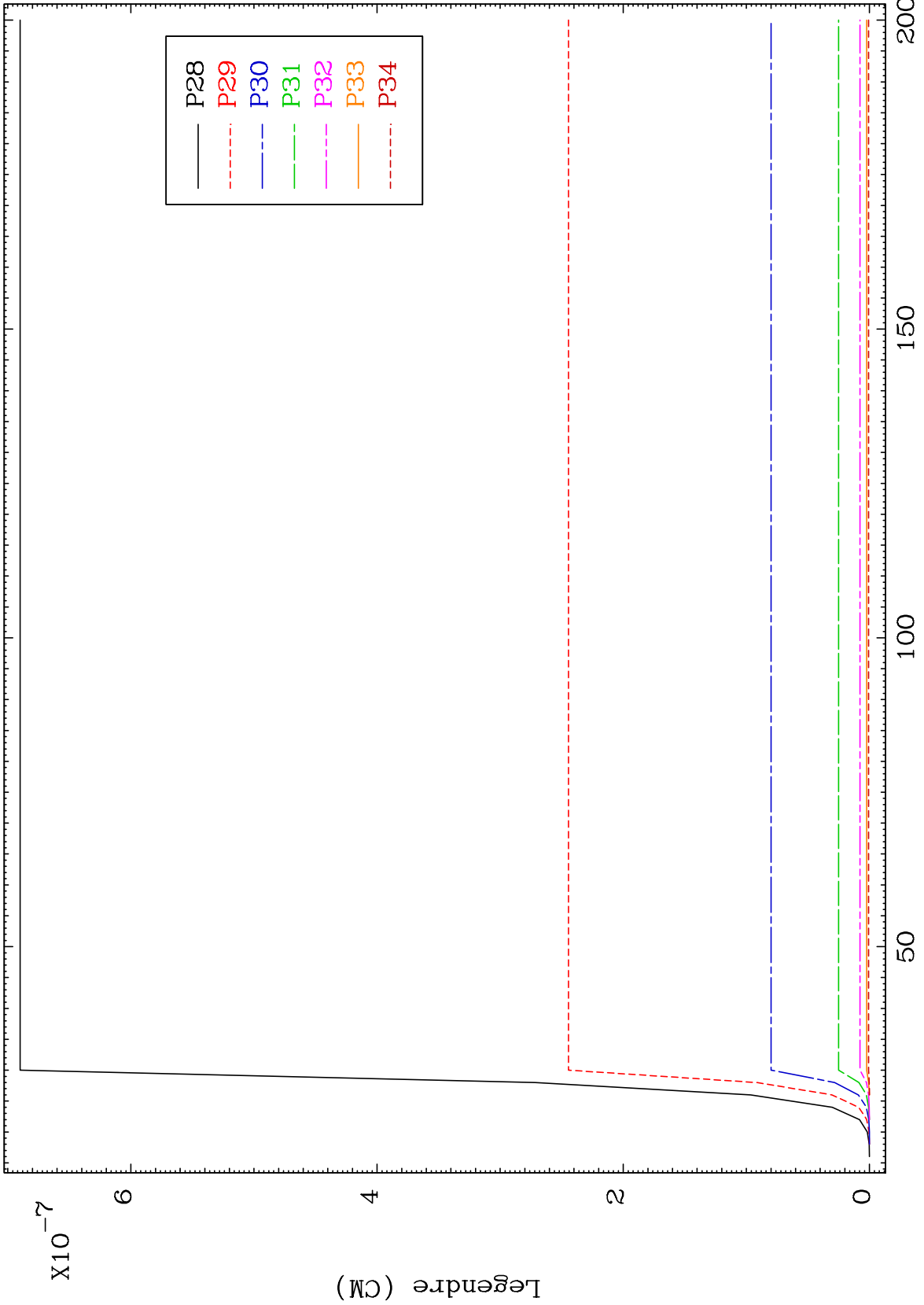
44

44-Ru-106

MAT 4455

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

44-Ru-106



45

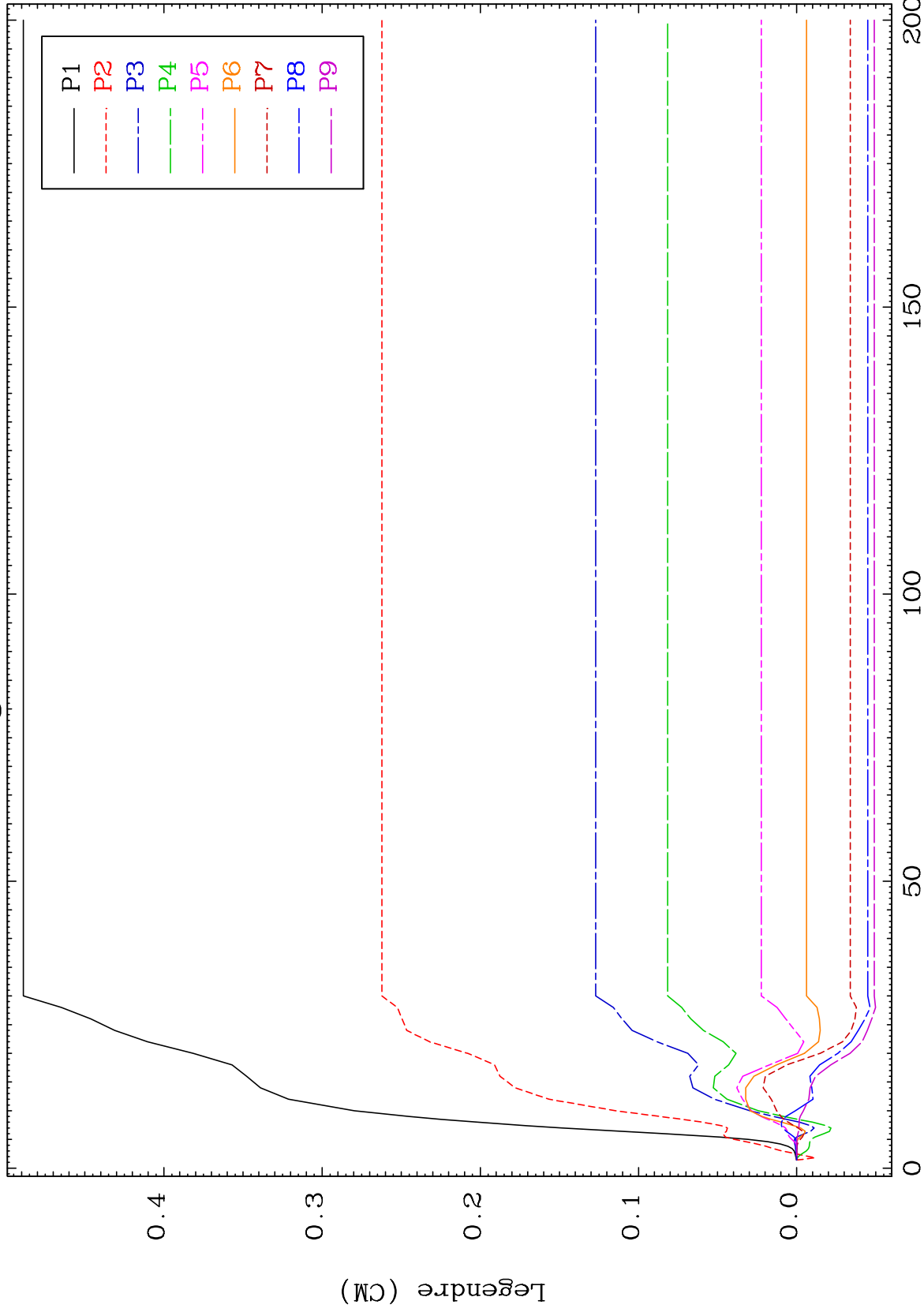
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



46

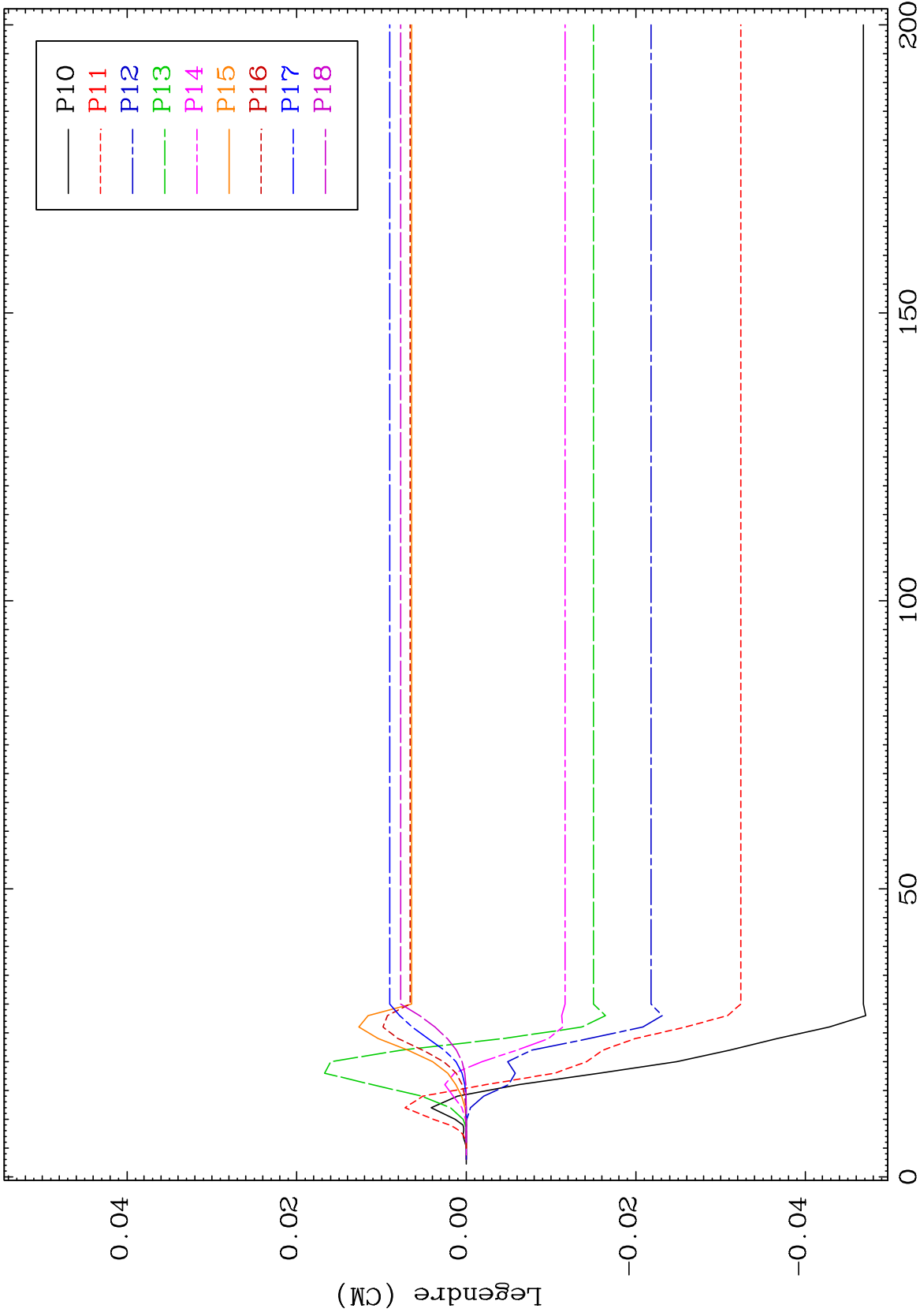
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



47

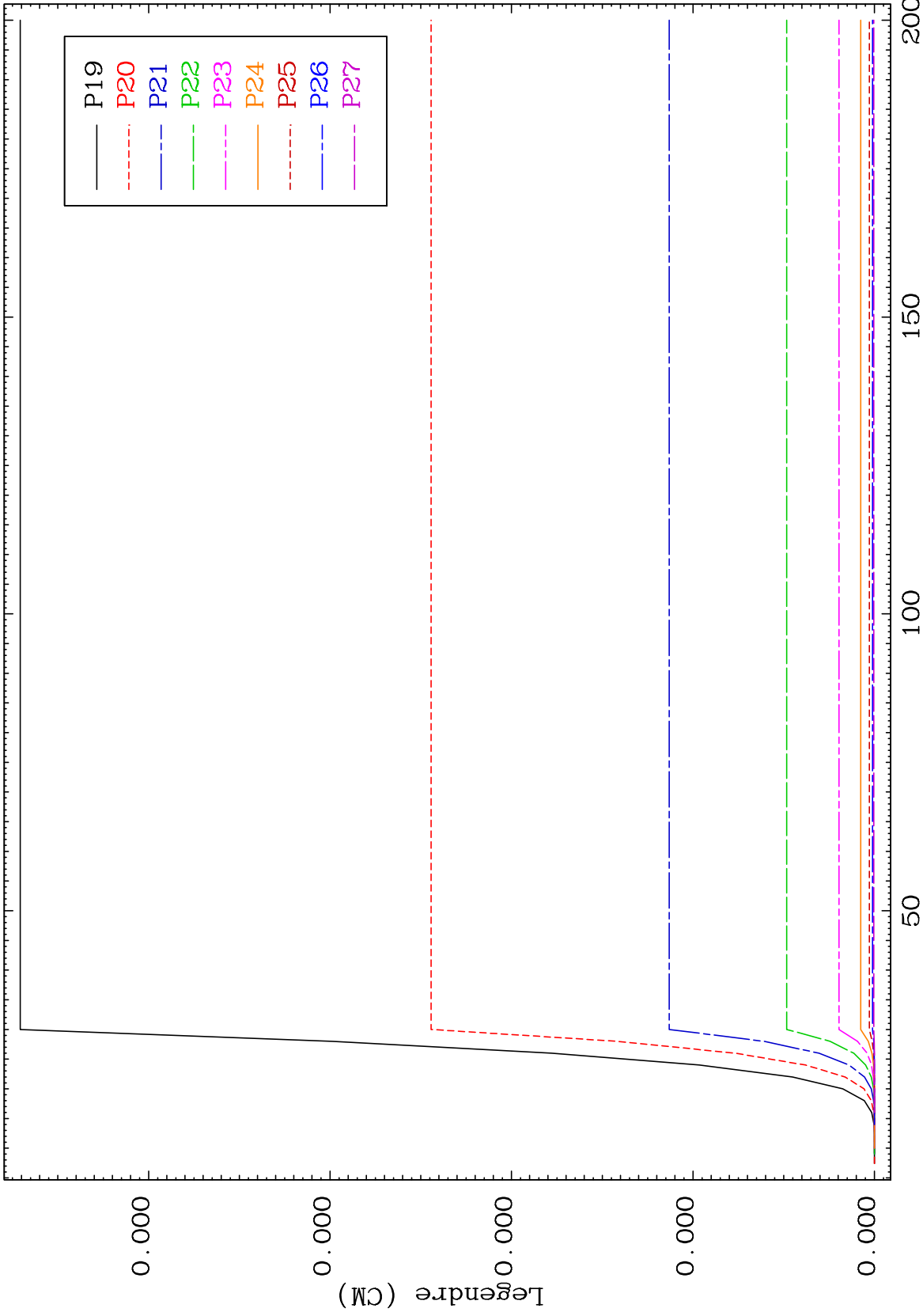
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



48

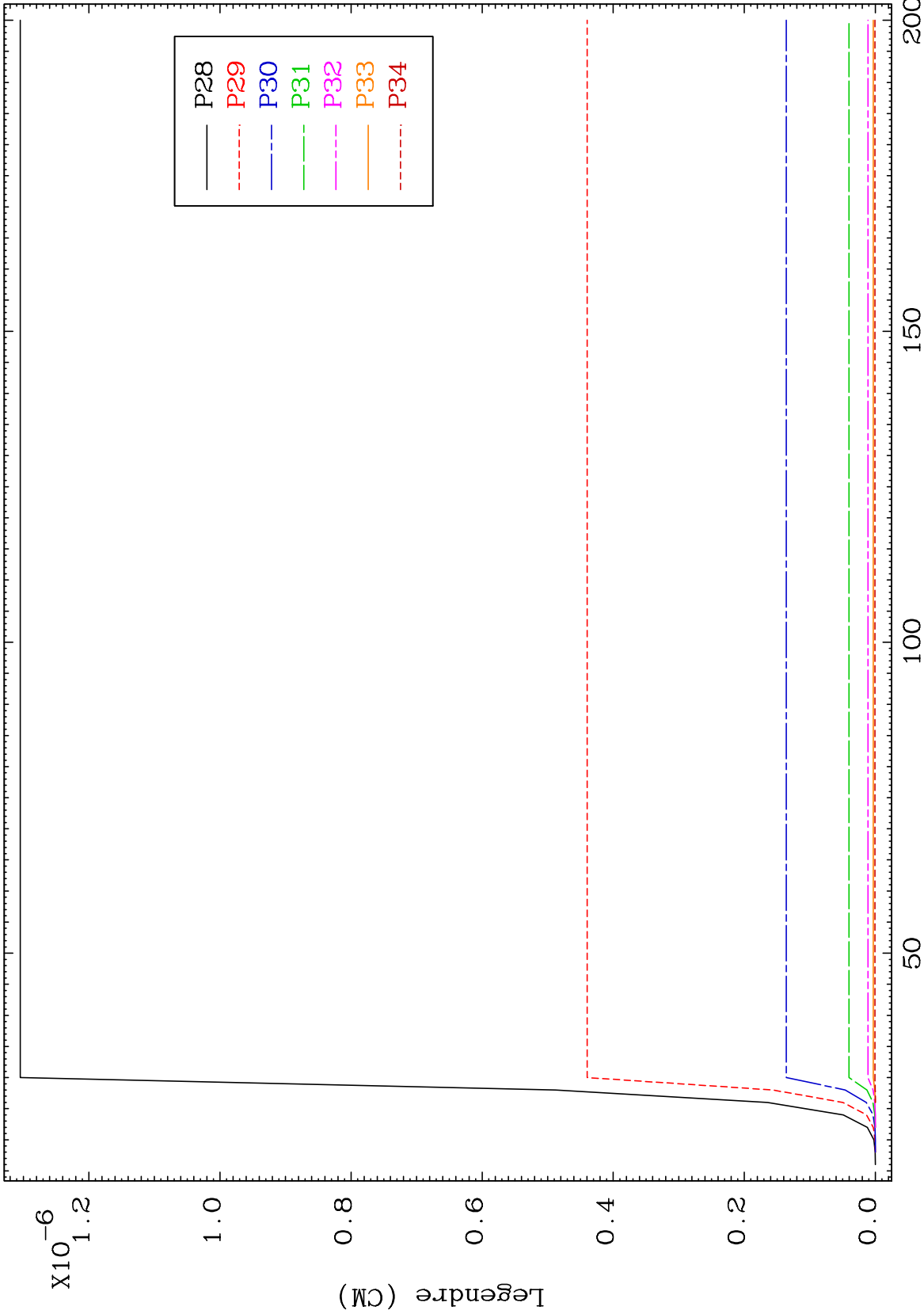
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



49

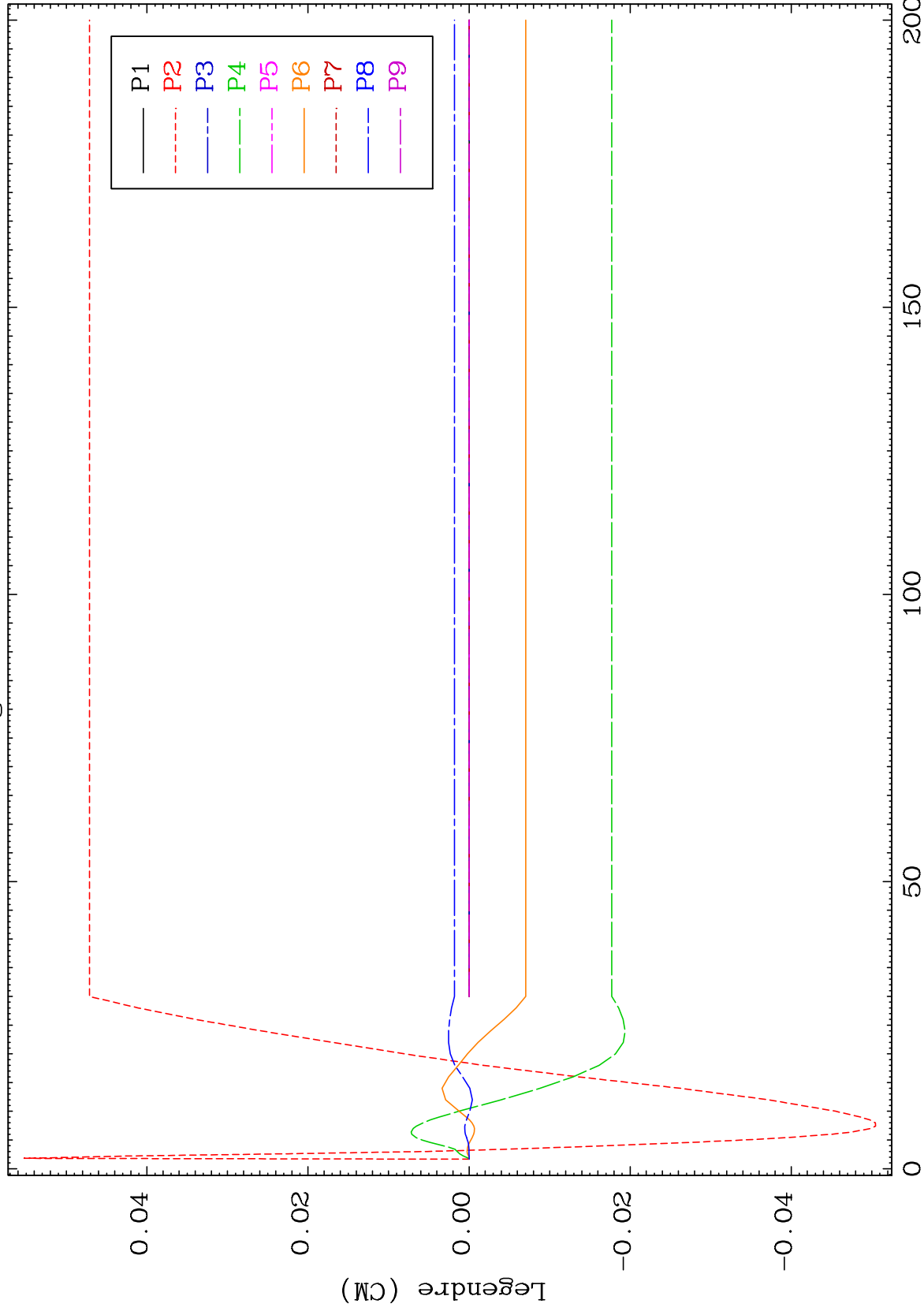
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

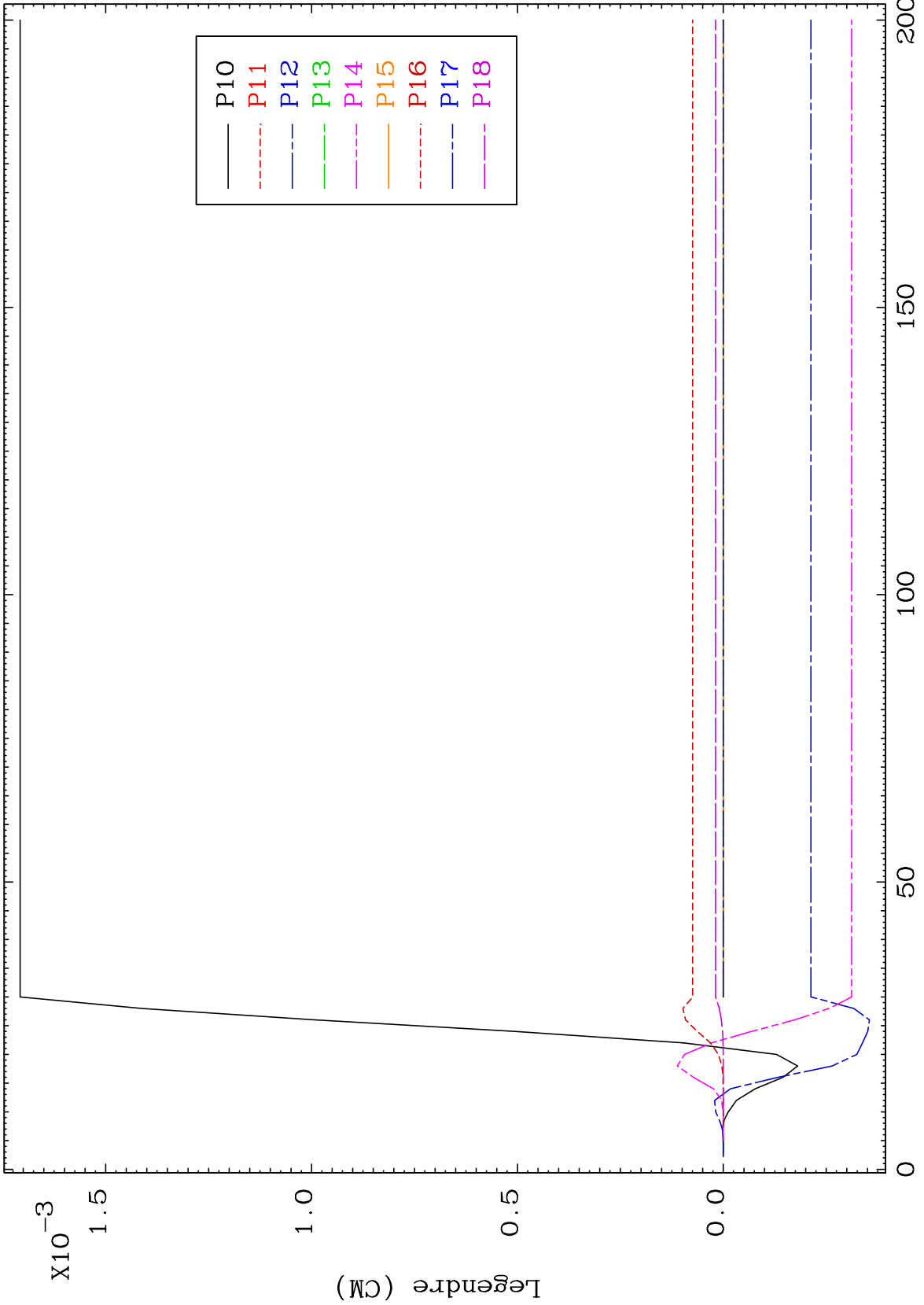
Incident Energy (MeV)

50

MAT 4455

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

44-Ru-106



51

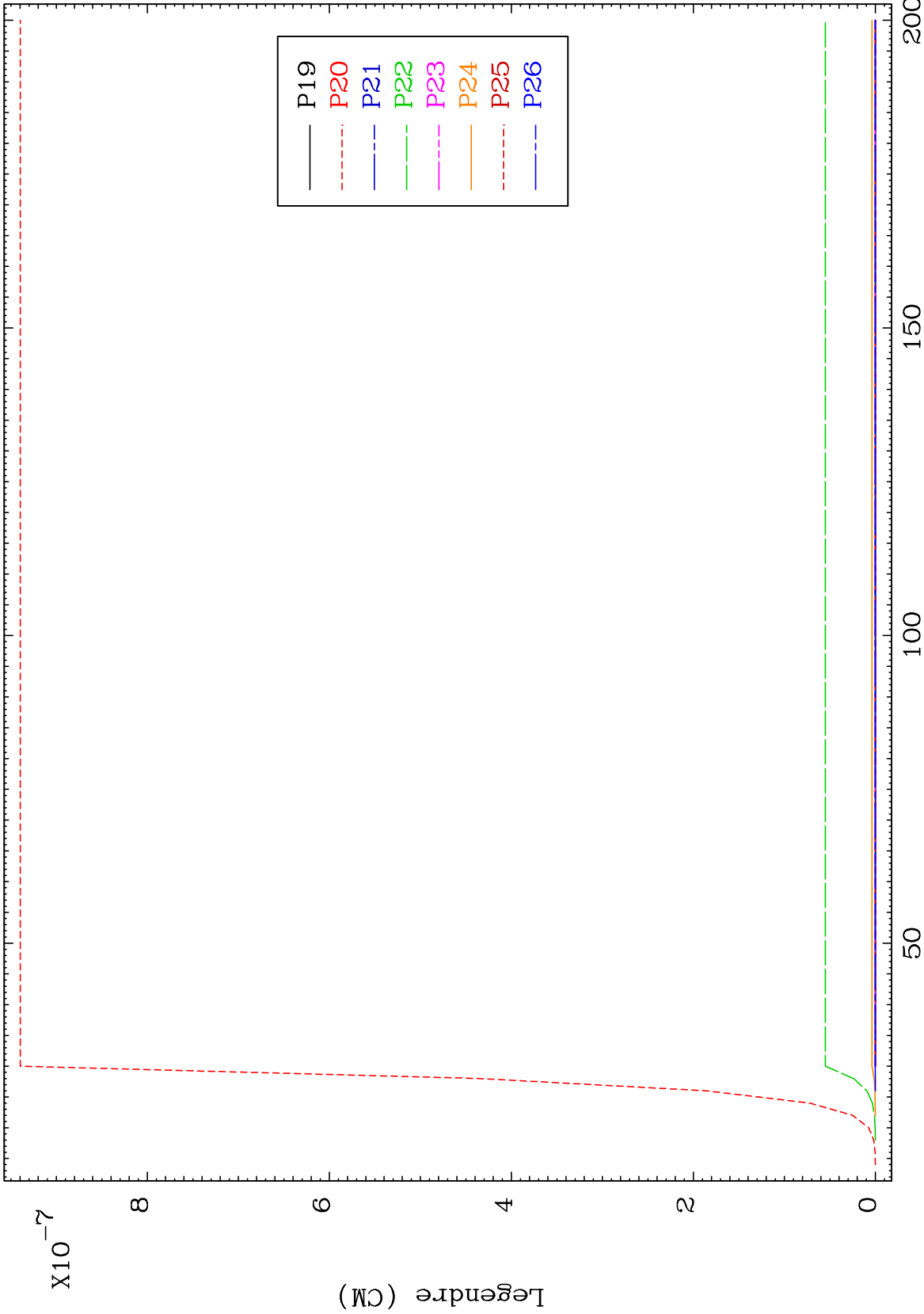
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



52

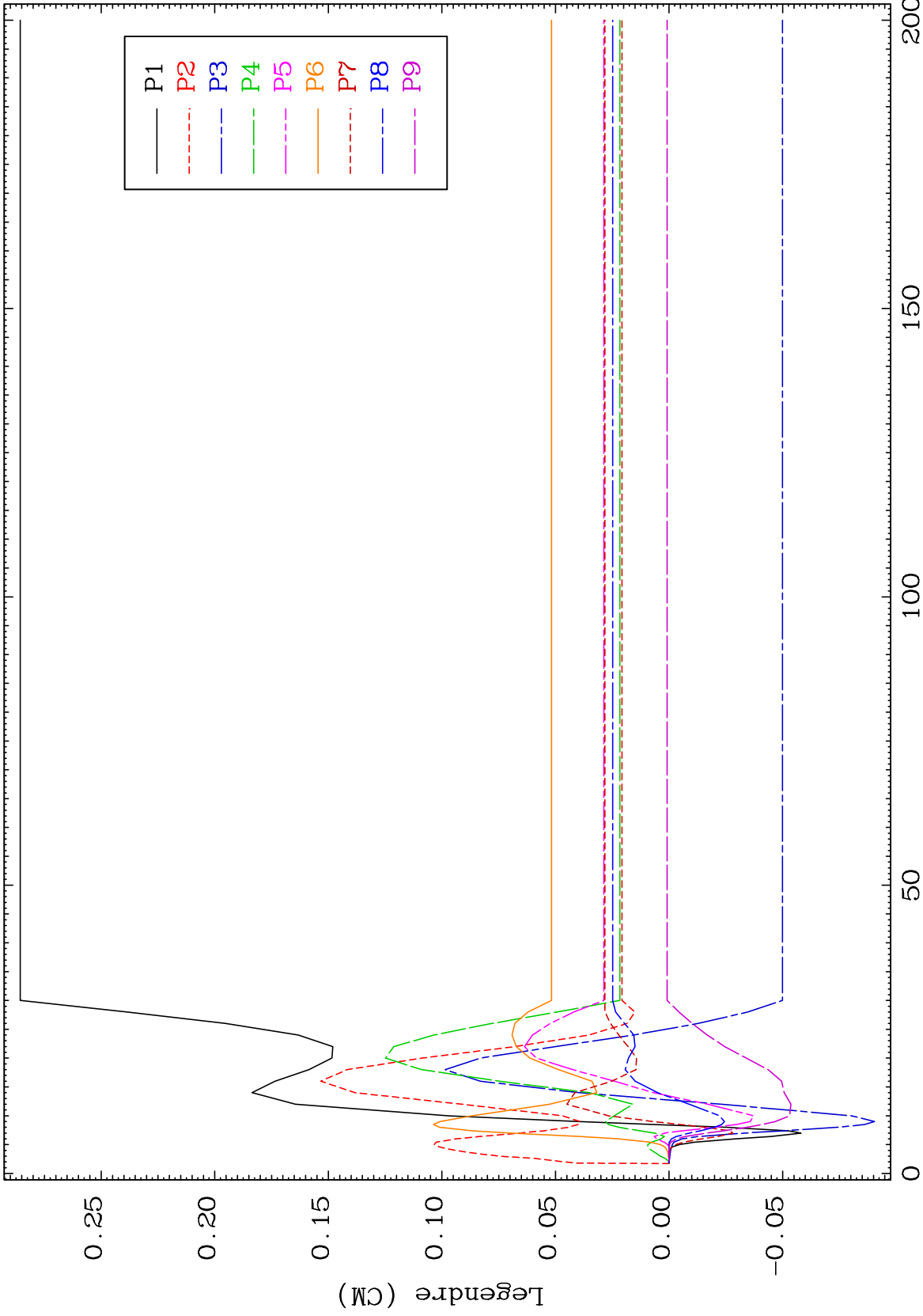
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



53

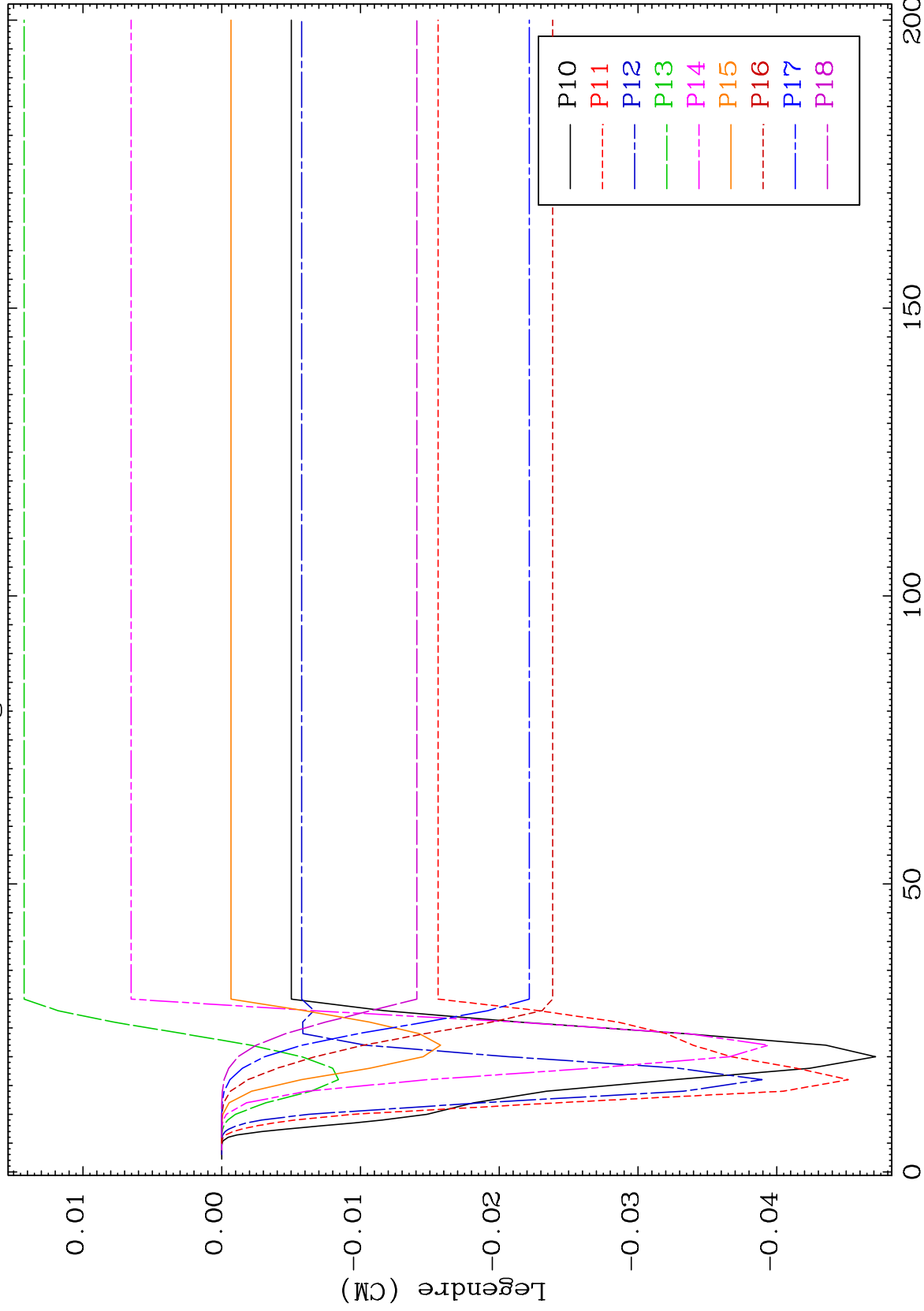
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106

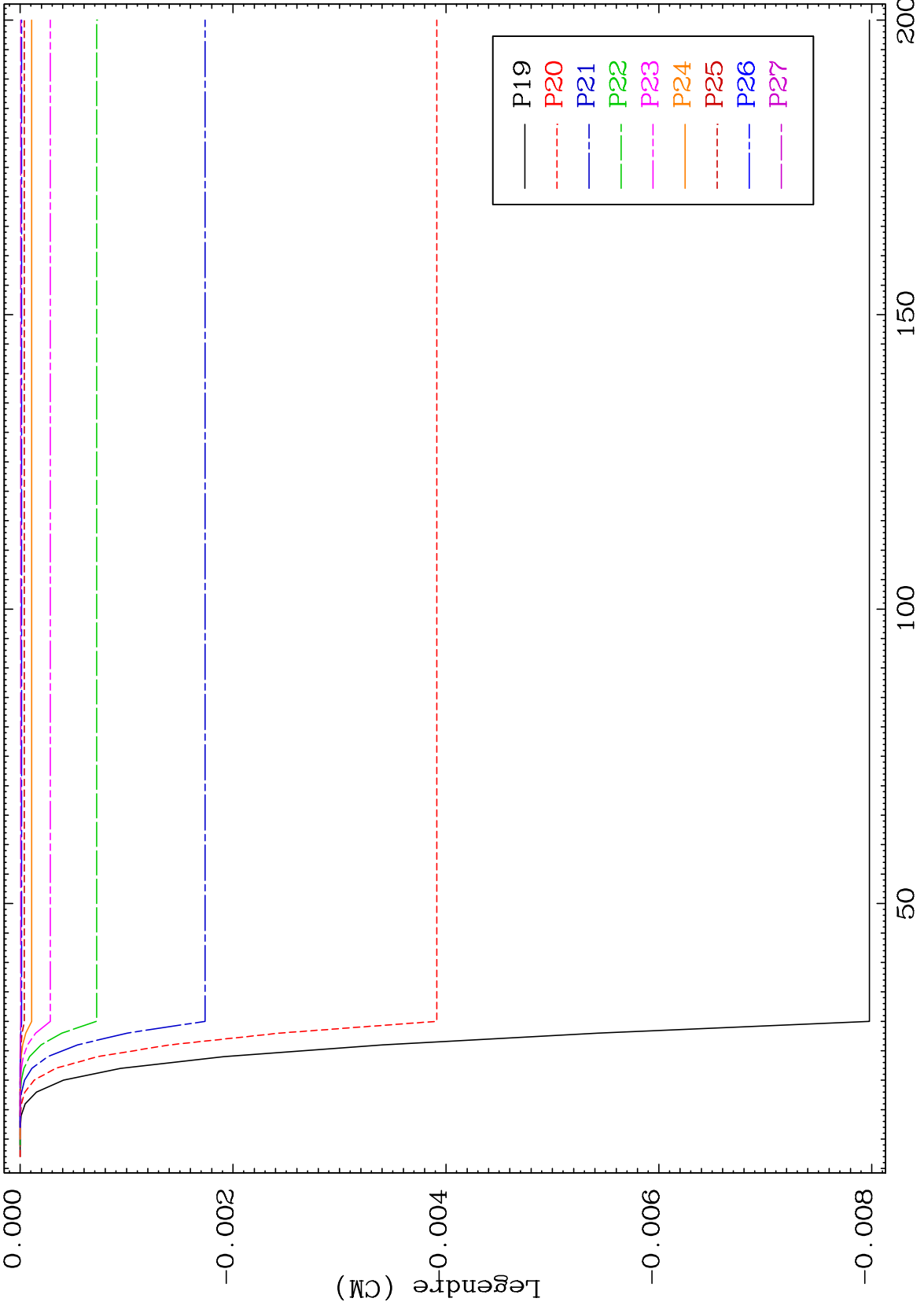


54

Incident Energy (MeV)

44-Ru-106

MAT 4455 MT= 60 (n,n') Level Legendre Coefficients 44-Ru-106

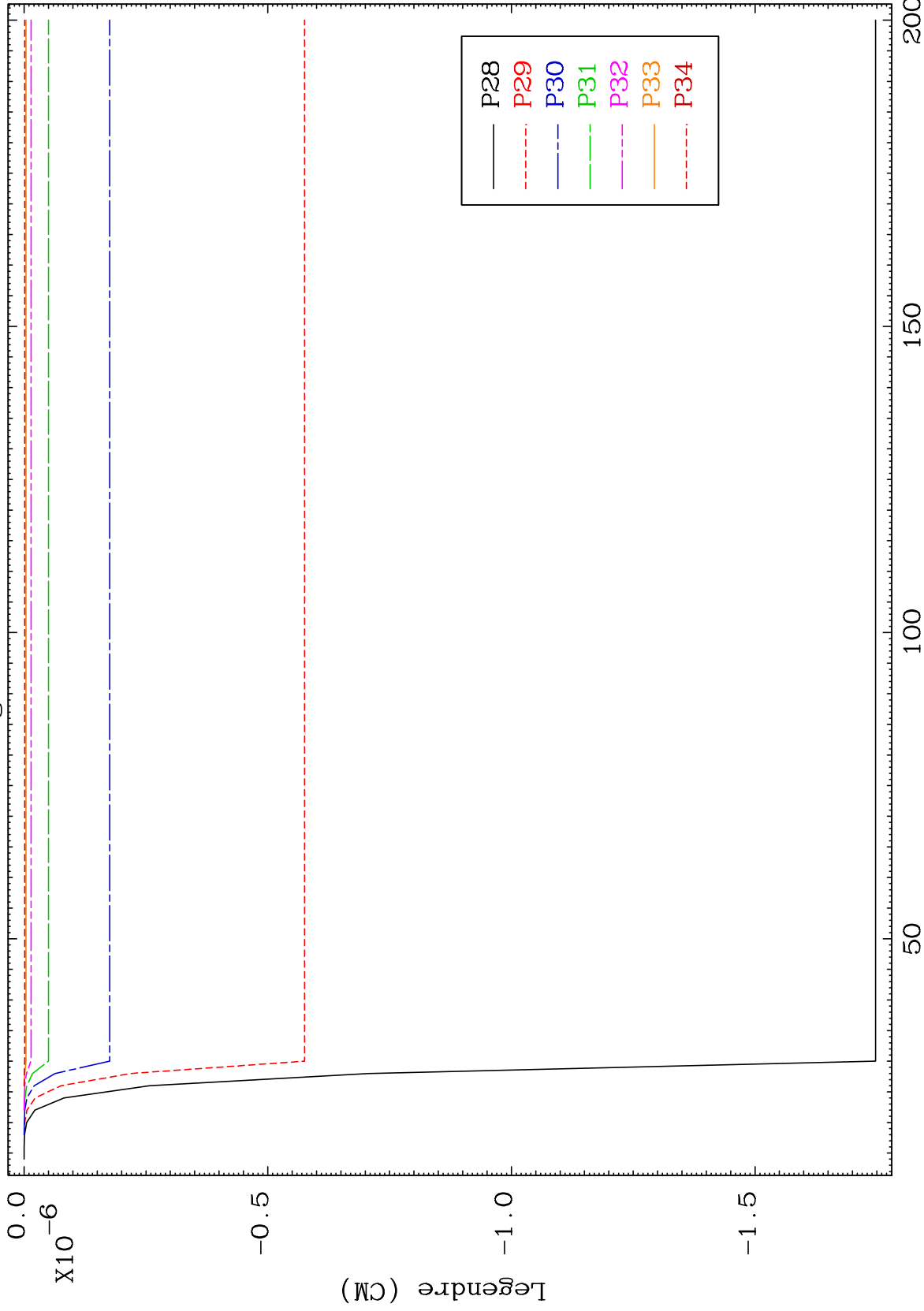


55 Incident Energy (MeV) 44-Ru-106

MAT 4455

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

44-Ru-106



56

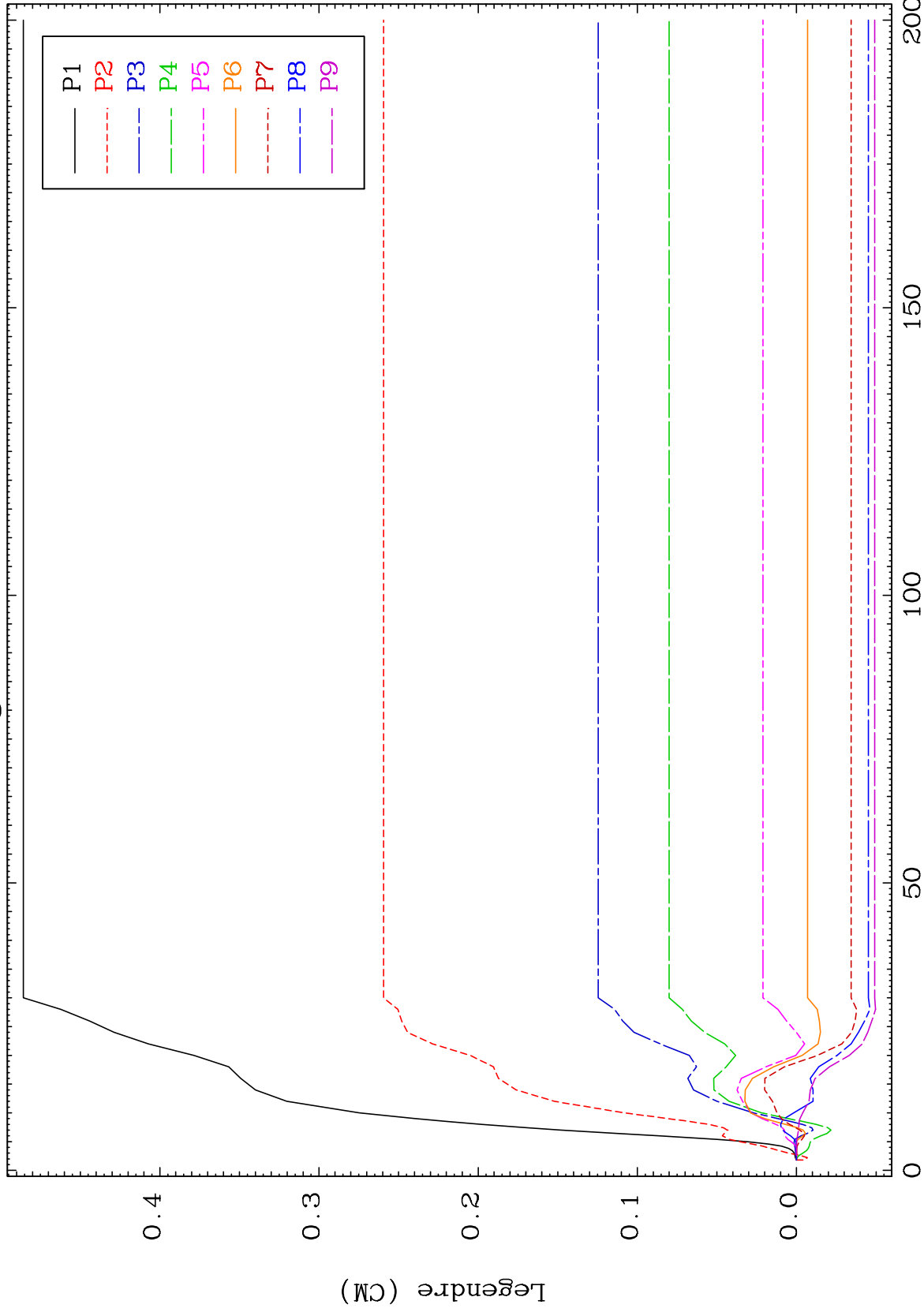
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



57

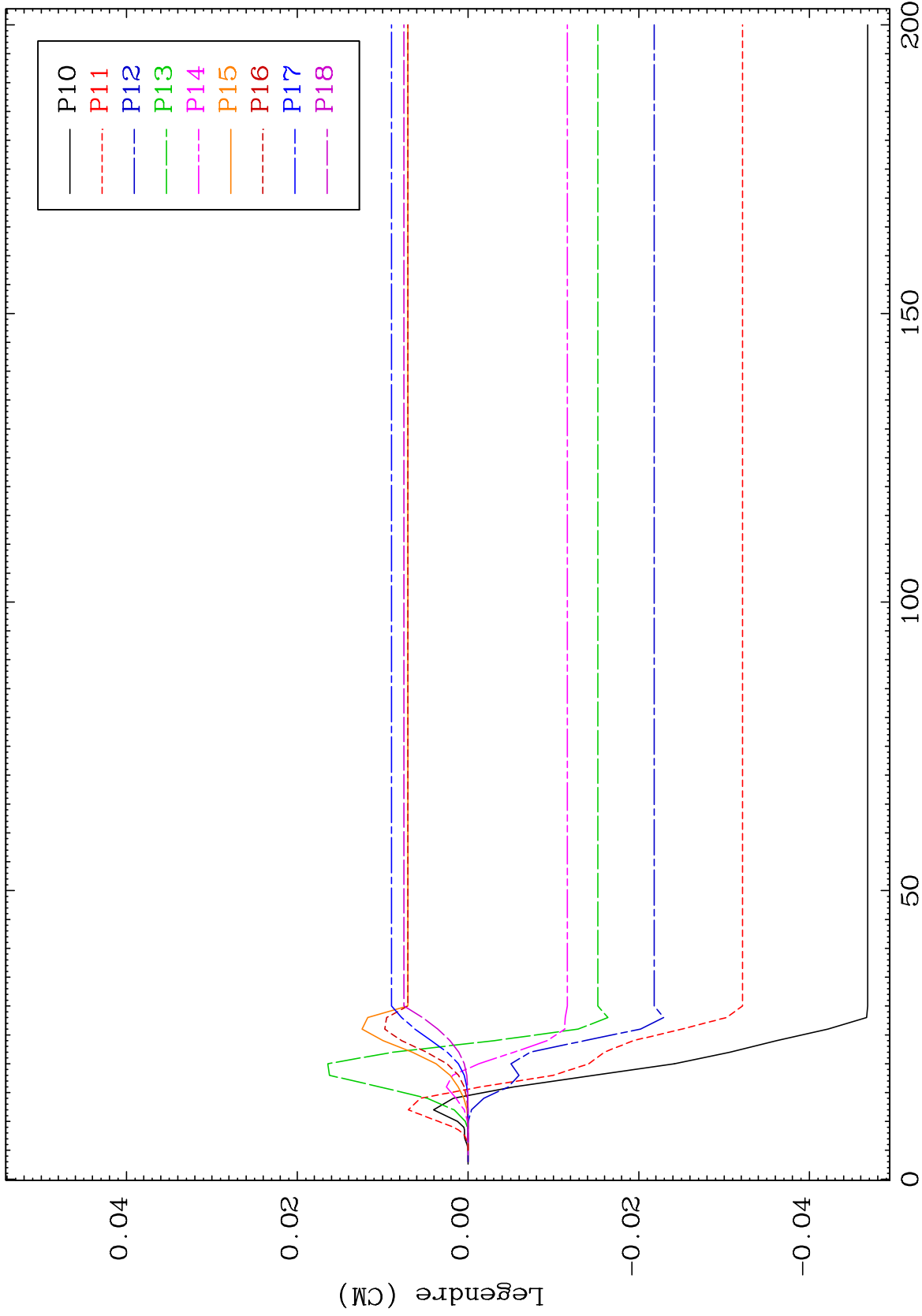
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



58

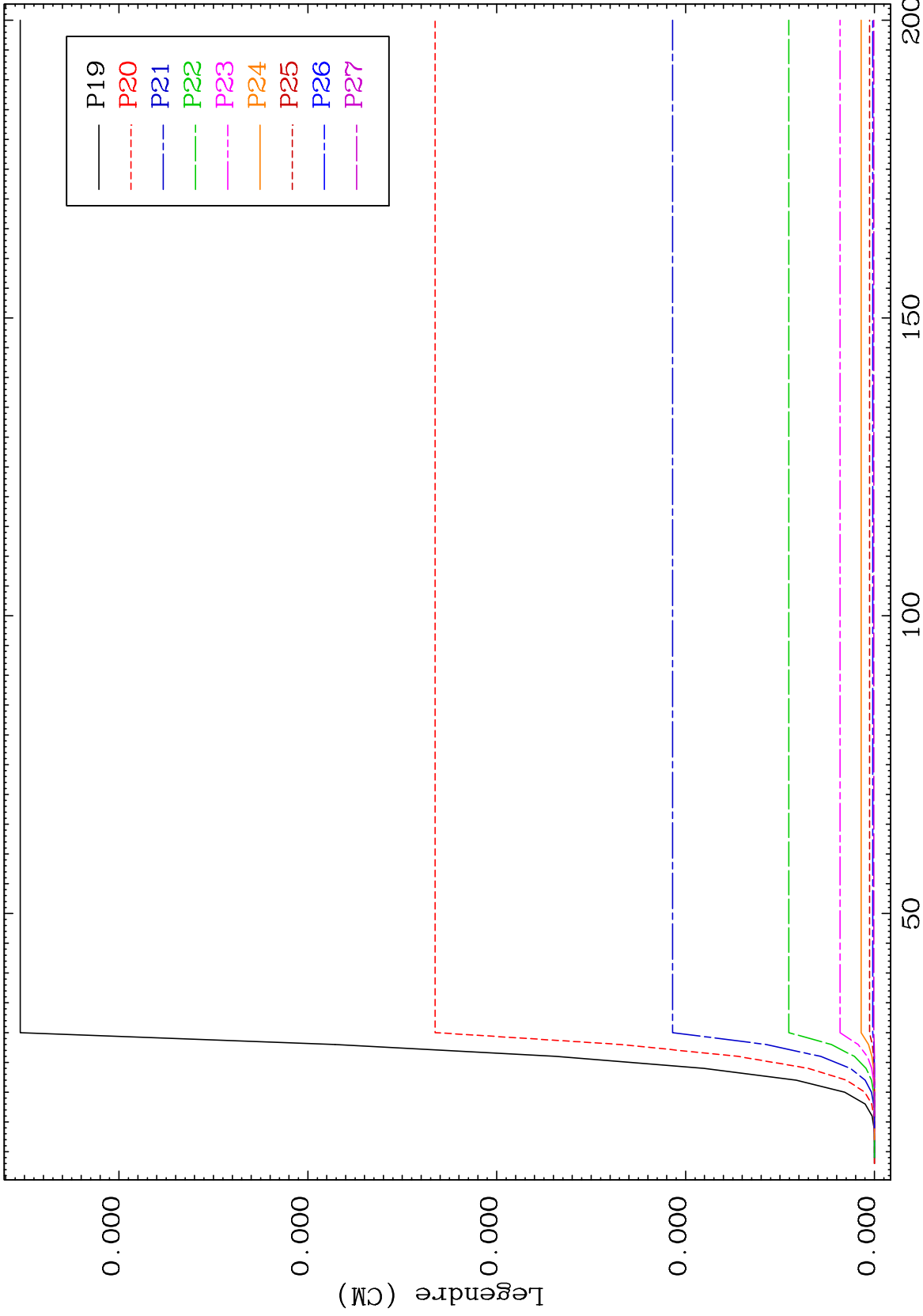
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



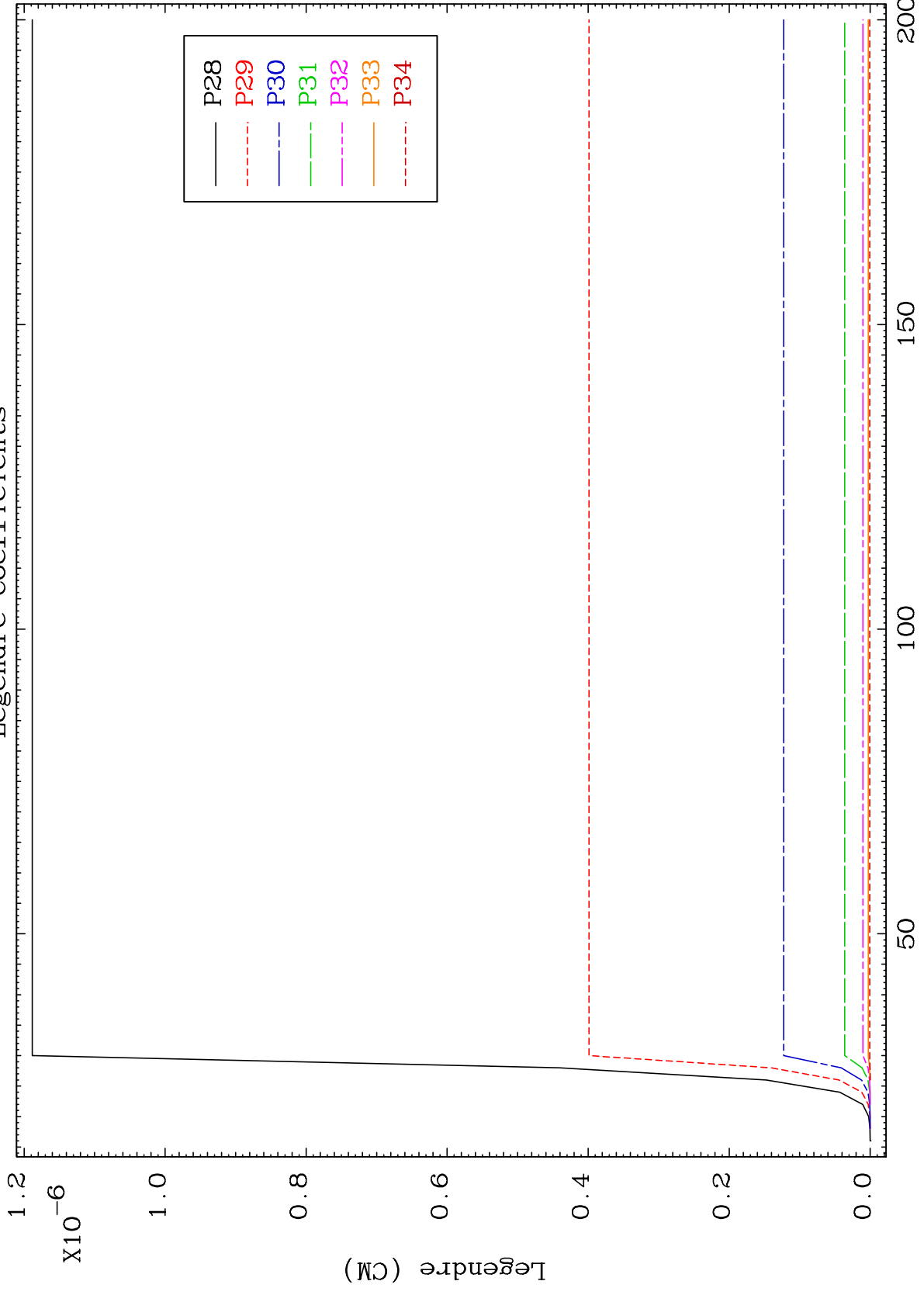
59

44-Ru-106

MAT 4455

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

44-Ru-106



60

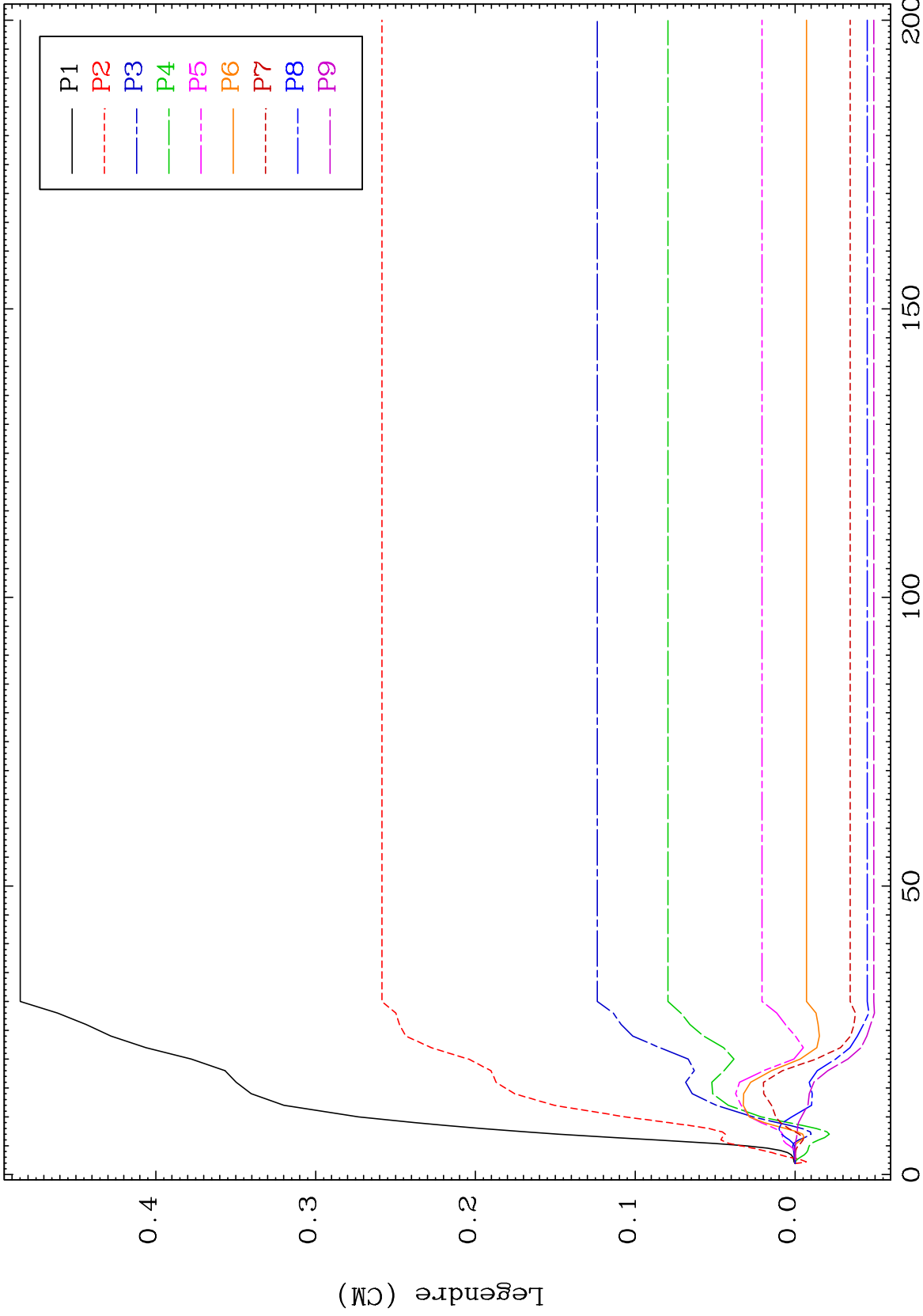
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



61

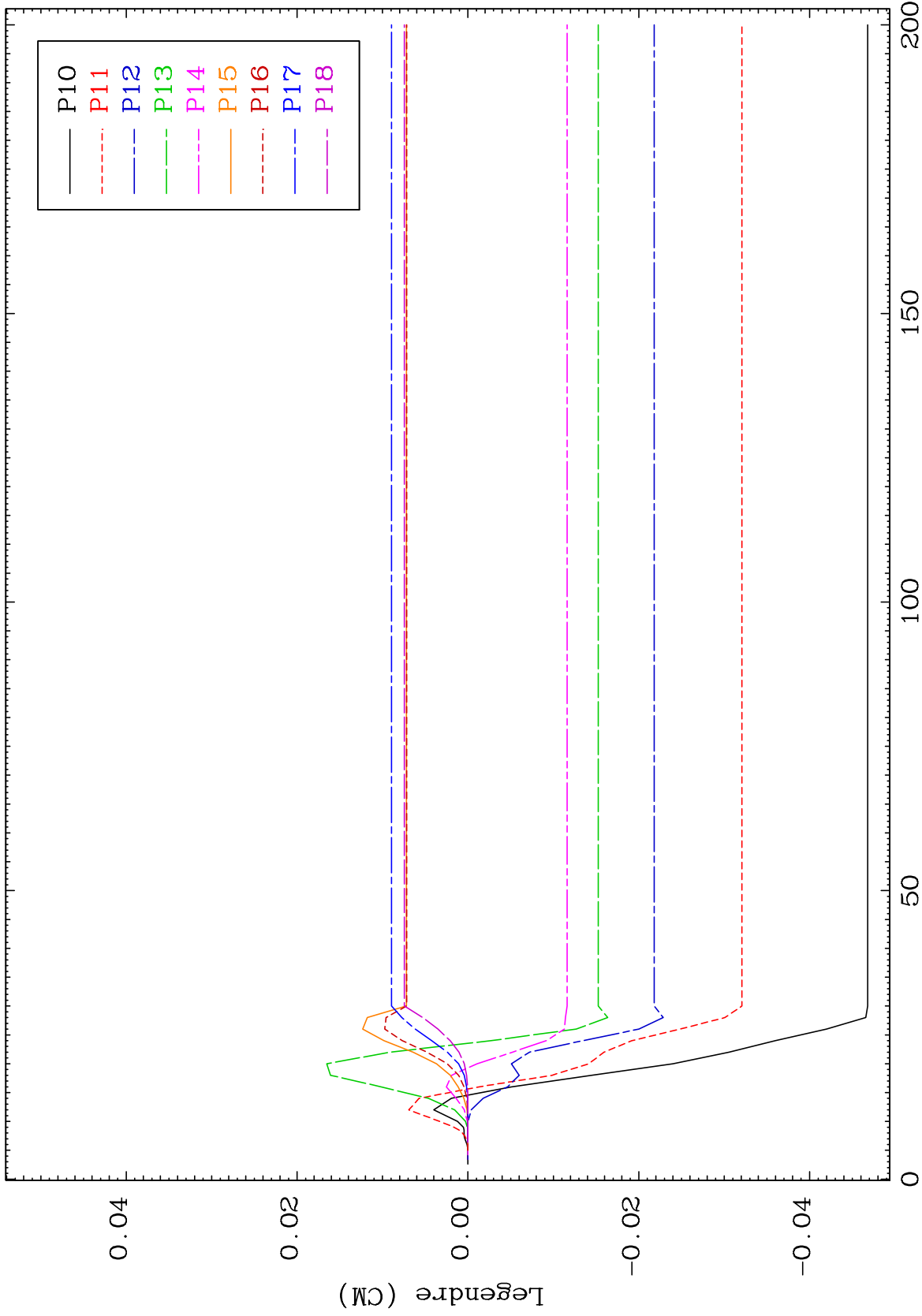
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



62

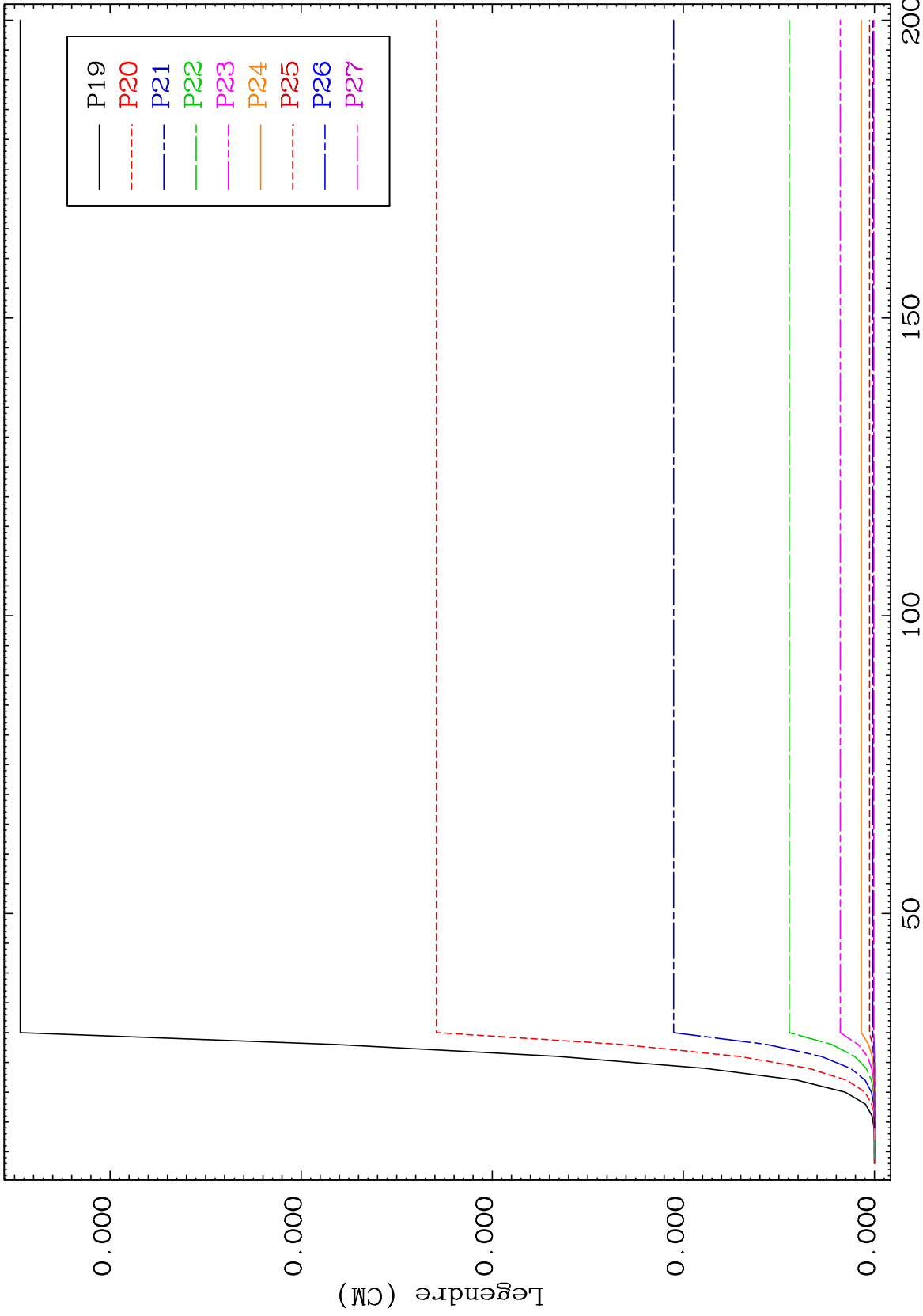
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



63

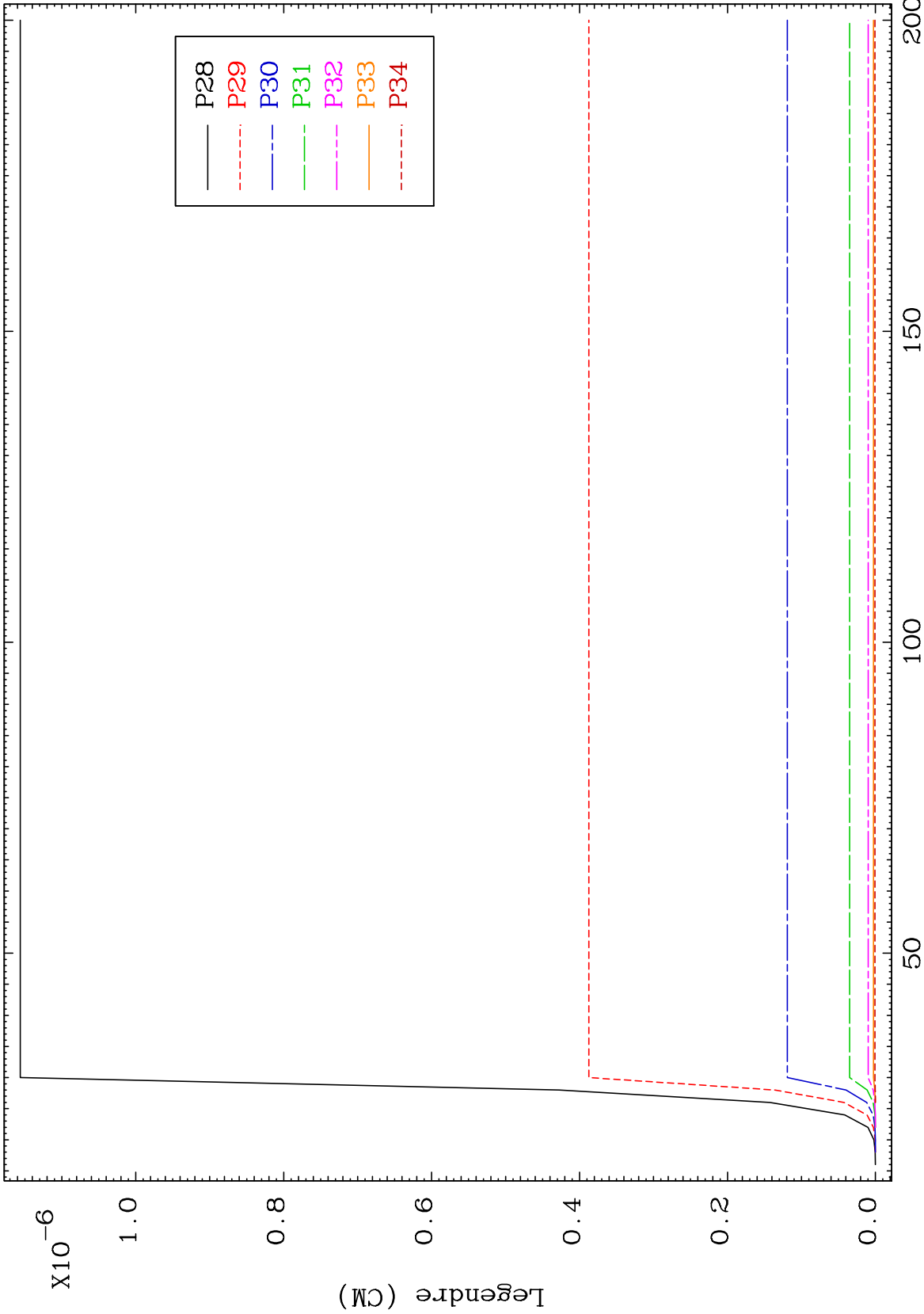
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



64

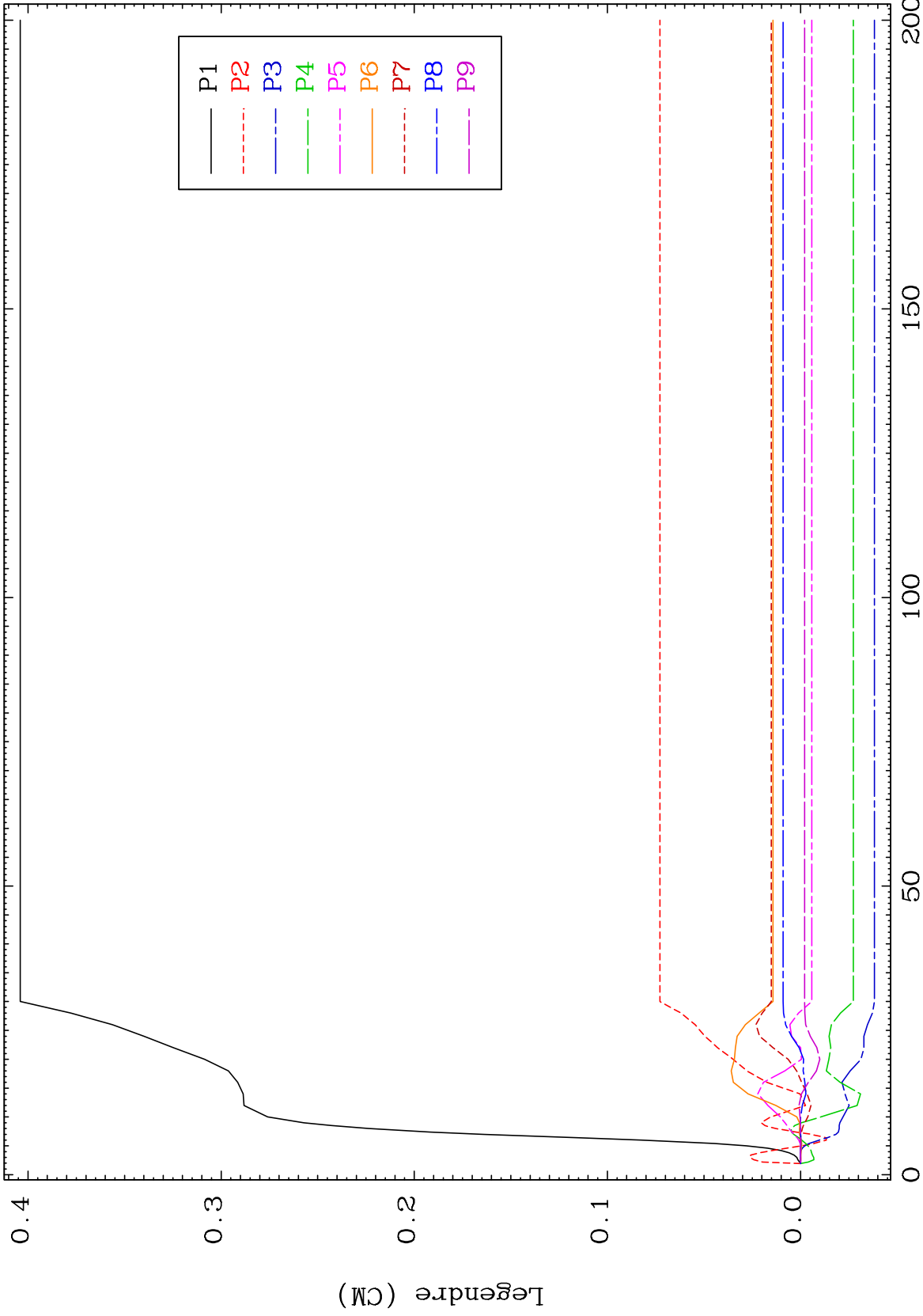
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



65

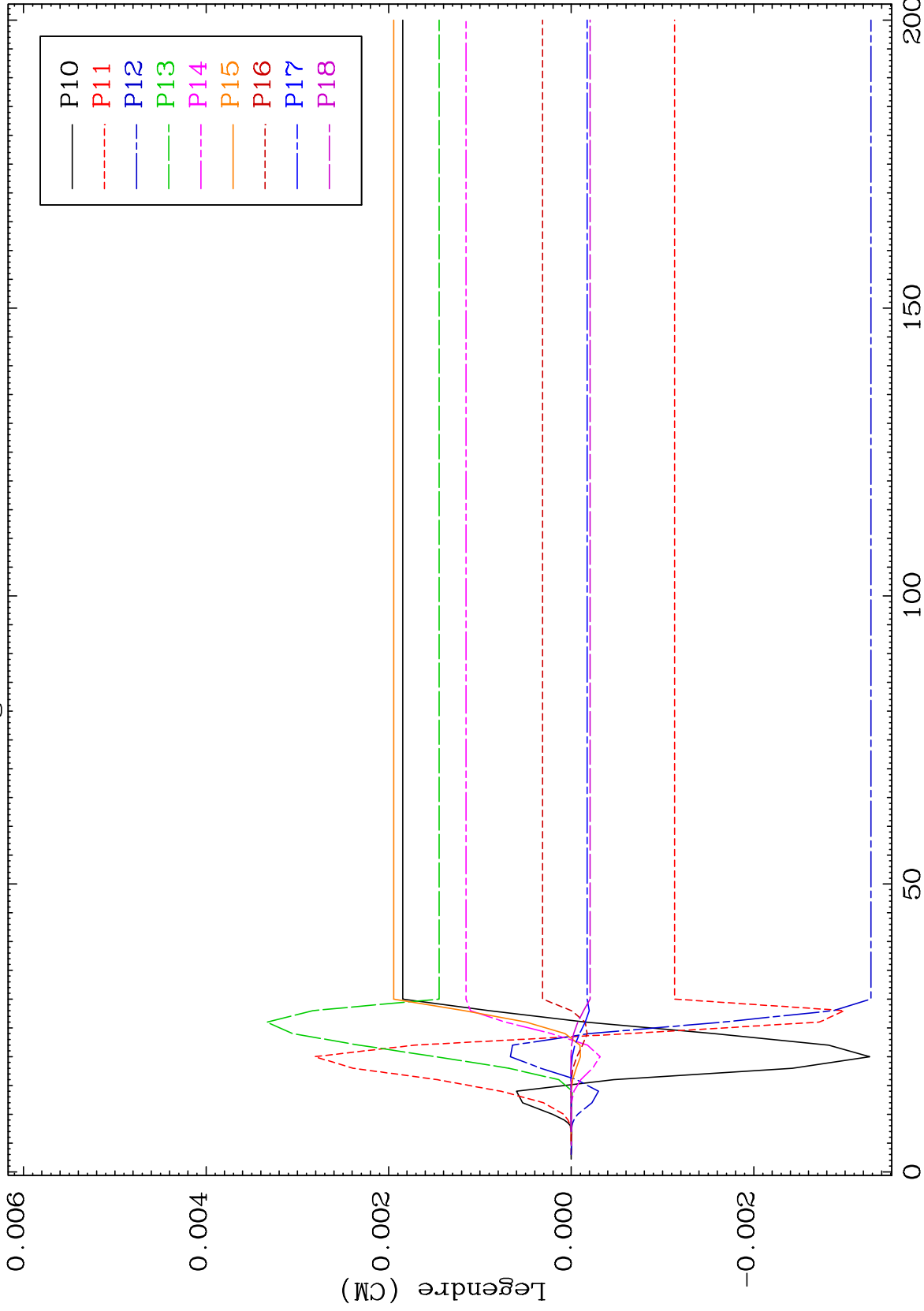
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



66

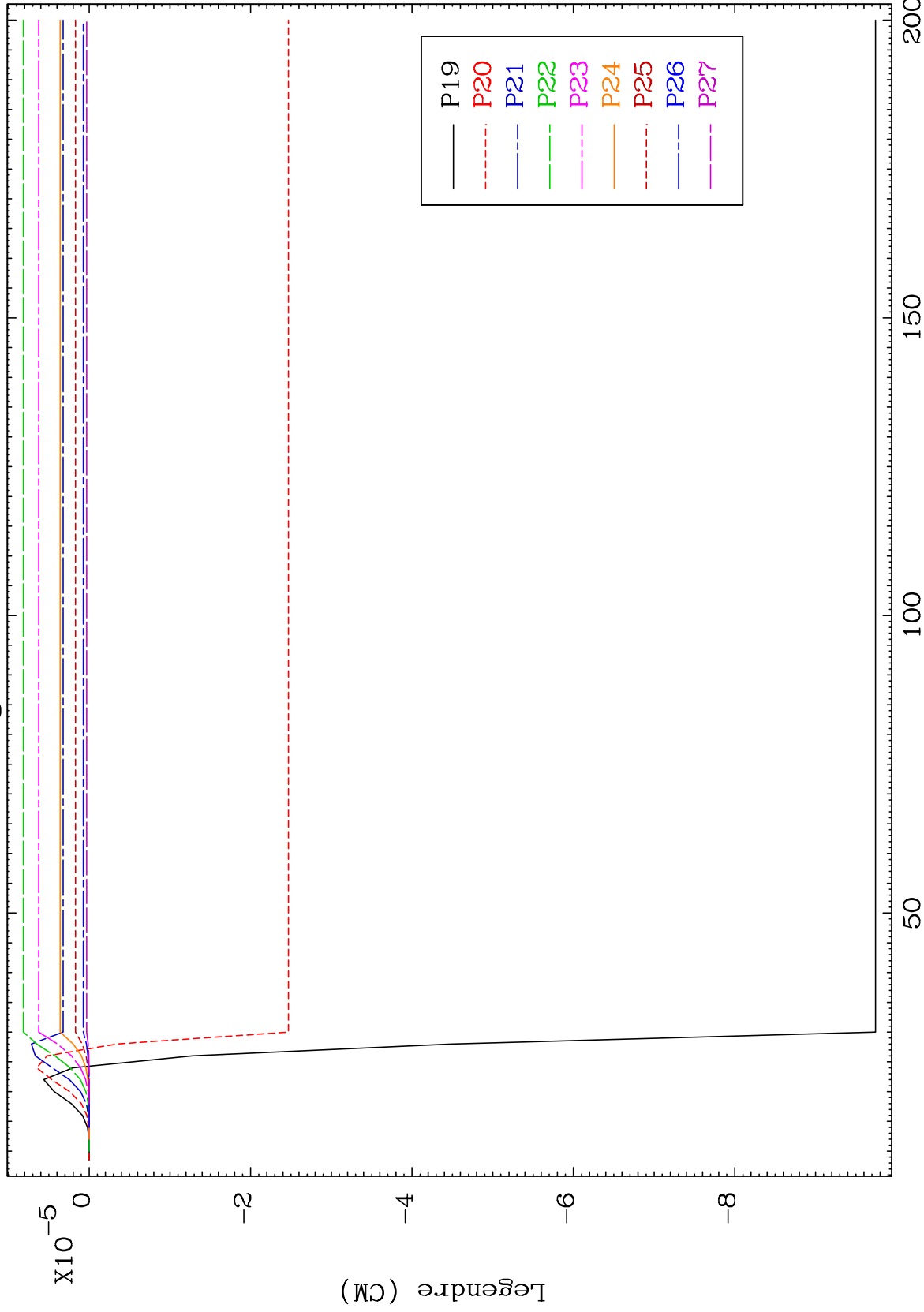
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



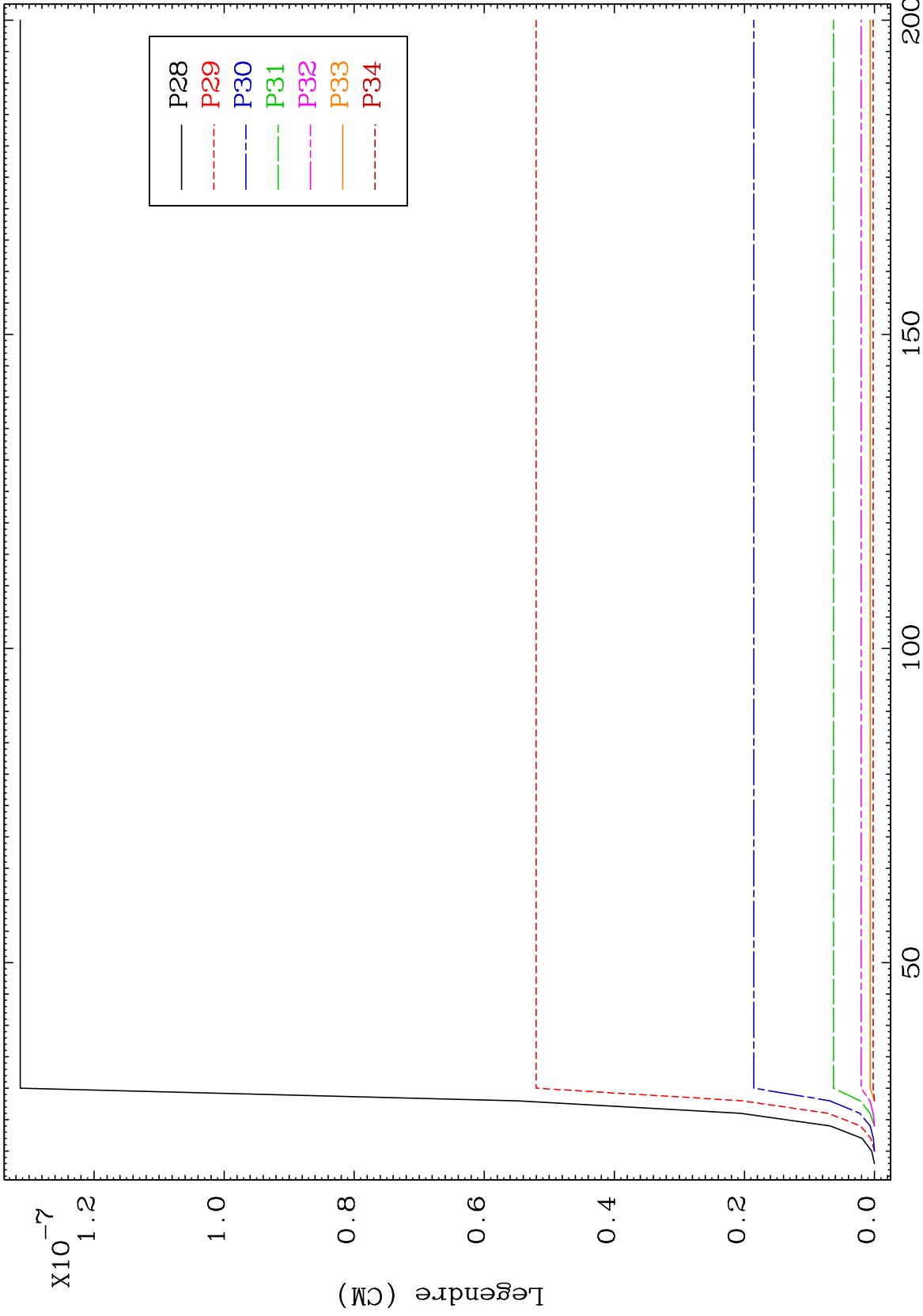
67

44-Ru-106

MAT 4455

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

44-Ru-106



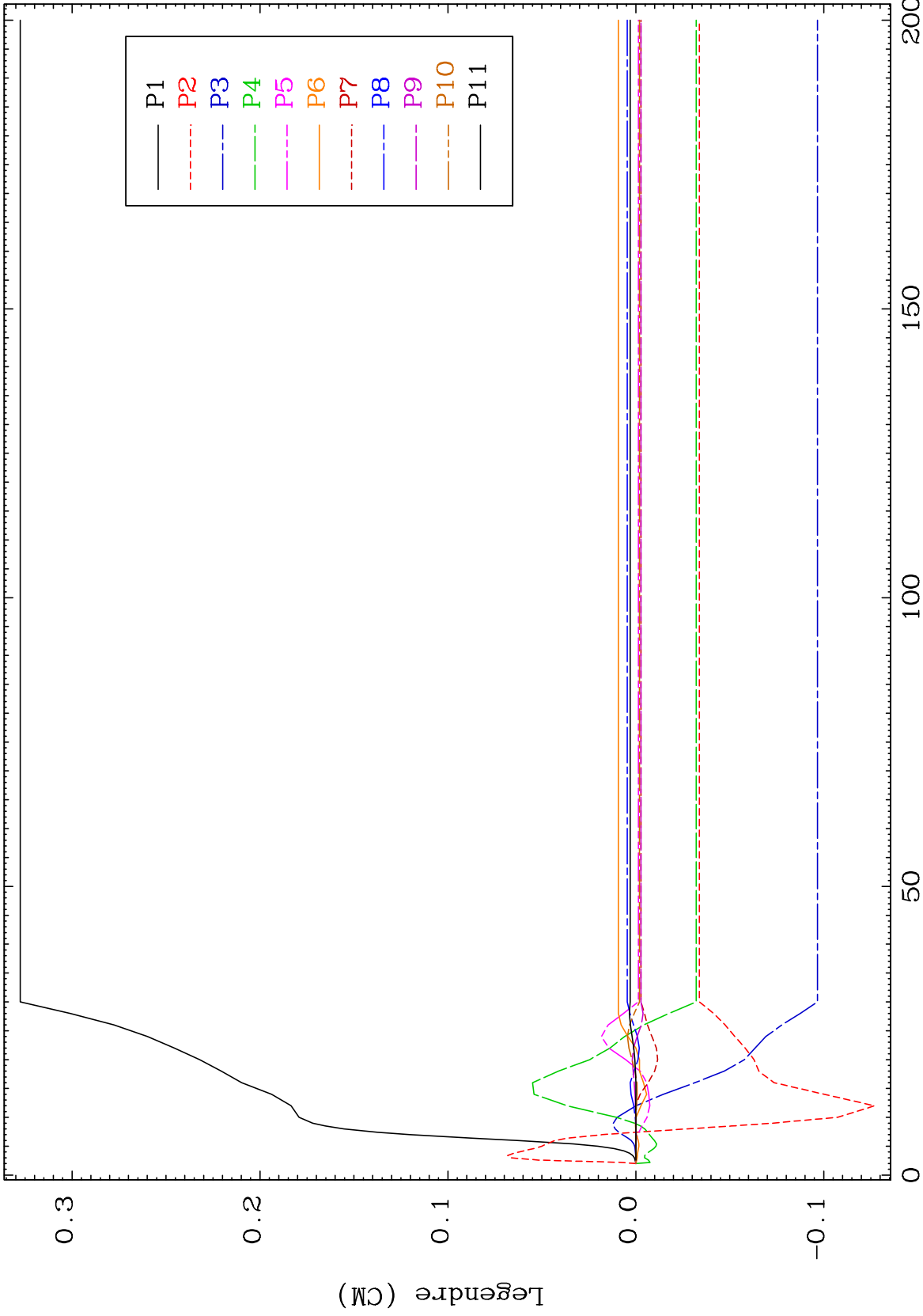
68

44-Ru-106

MAT 4455

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

44-Ru-106



69

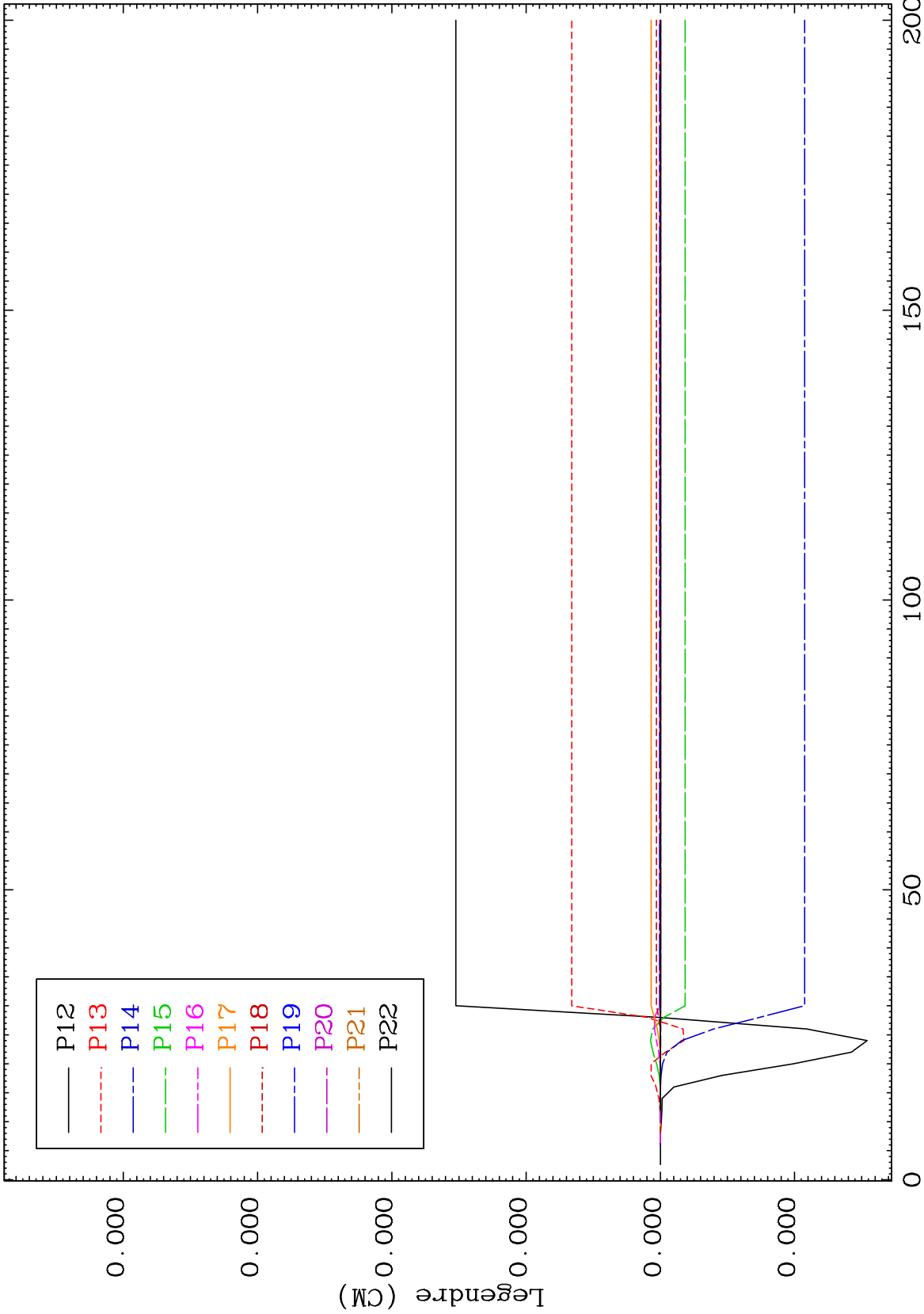
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



70

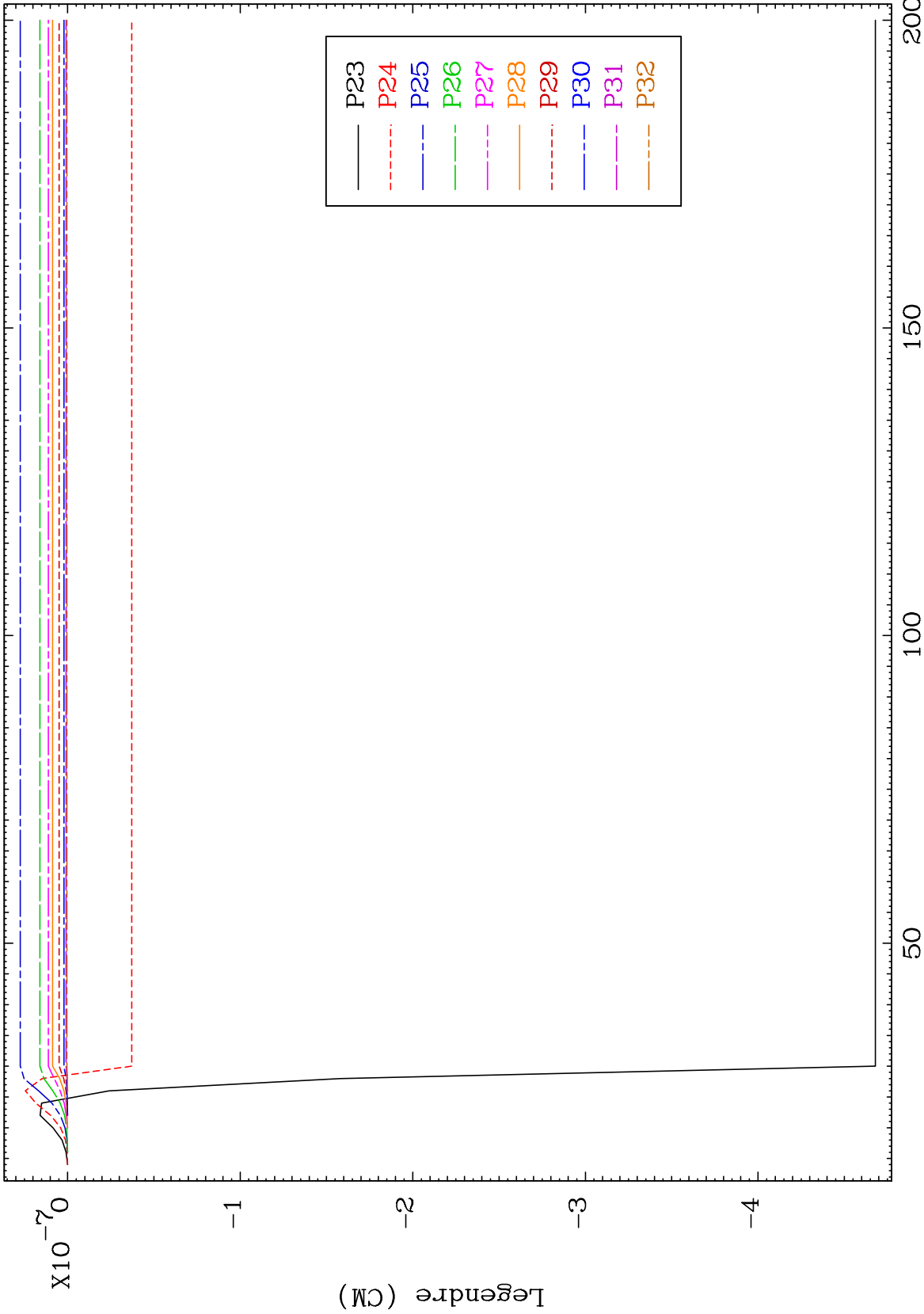
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

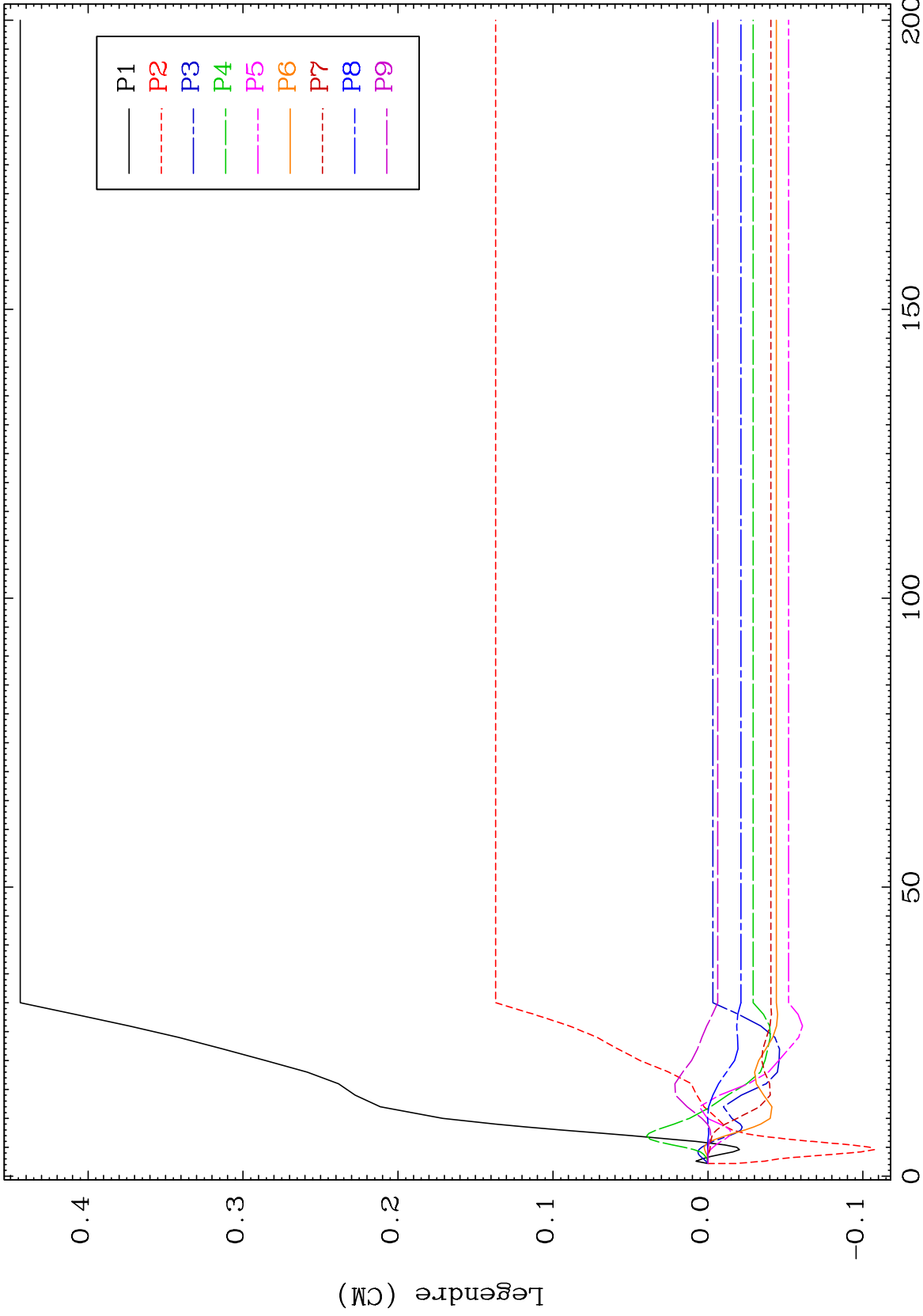
Incident Energy (MeV)

71

MAT 4455

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

44-Ru-106



72

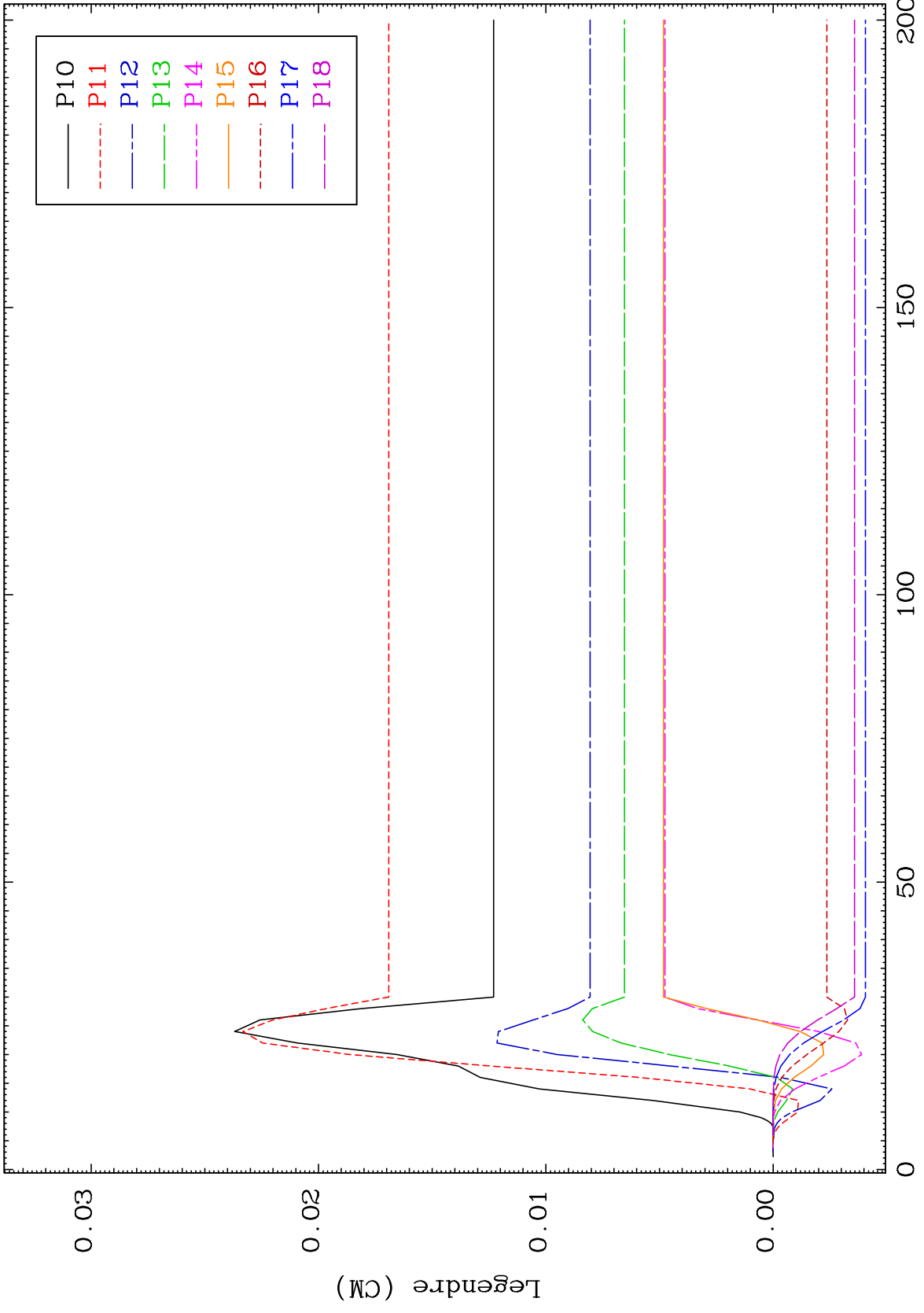
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



73

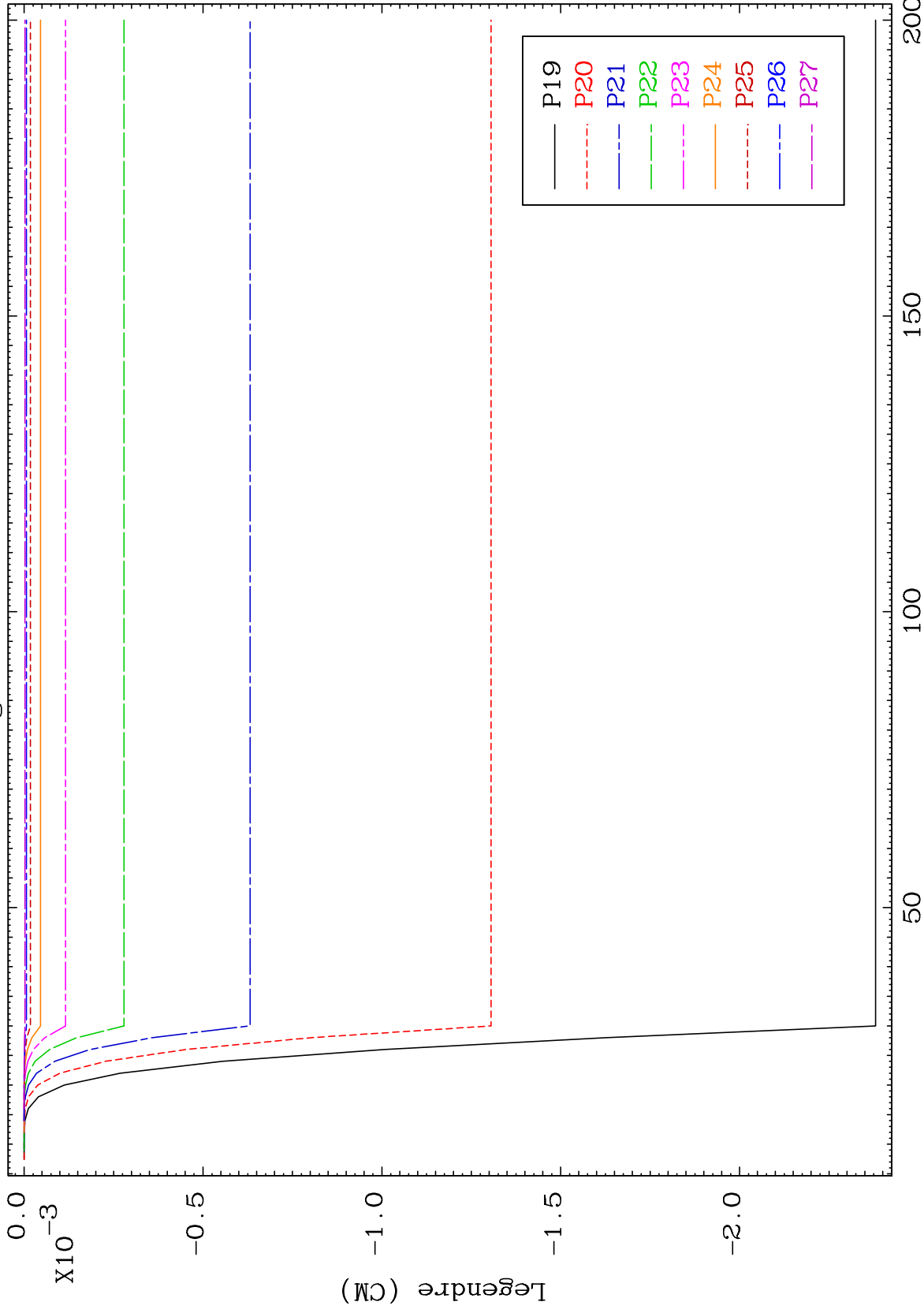
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

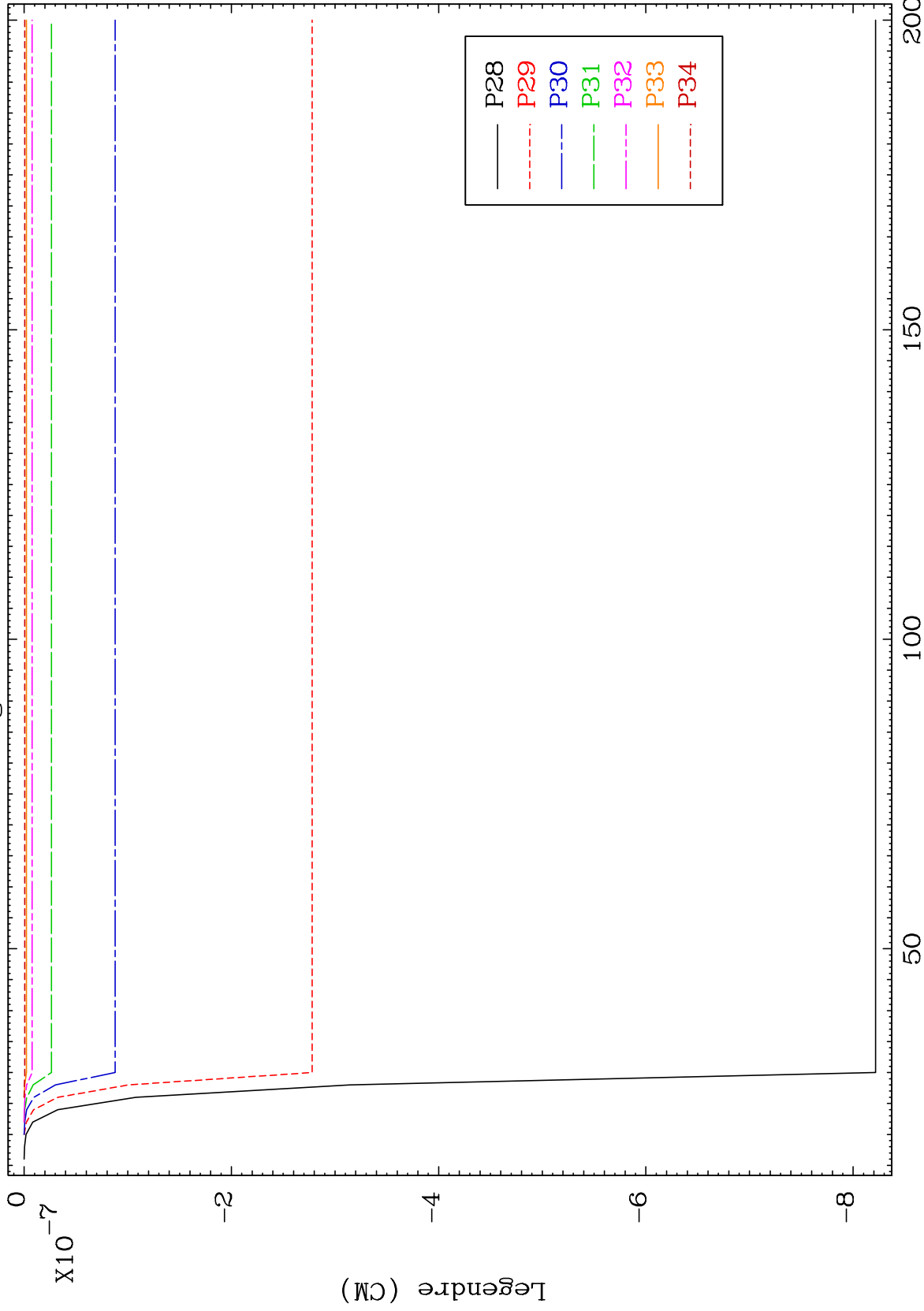
Incident Energy (MeV)

74

MAT 4455

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

44-Ru-106



44-Ru-106

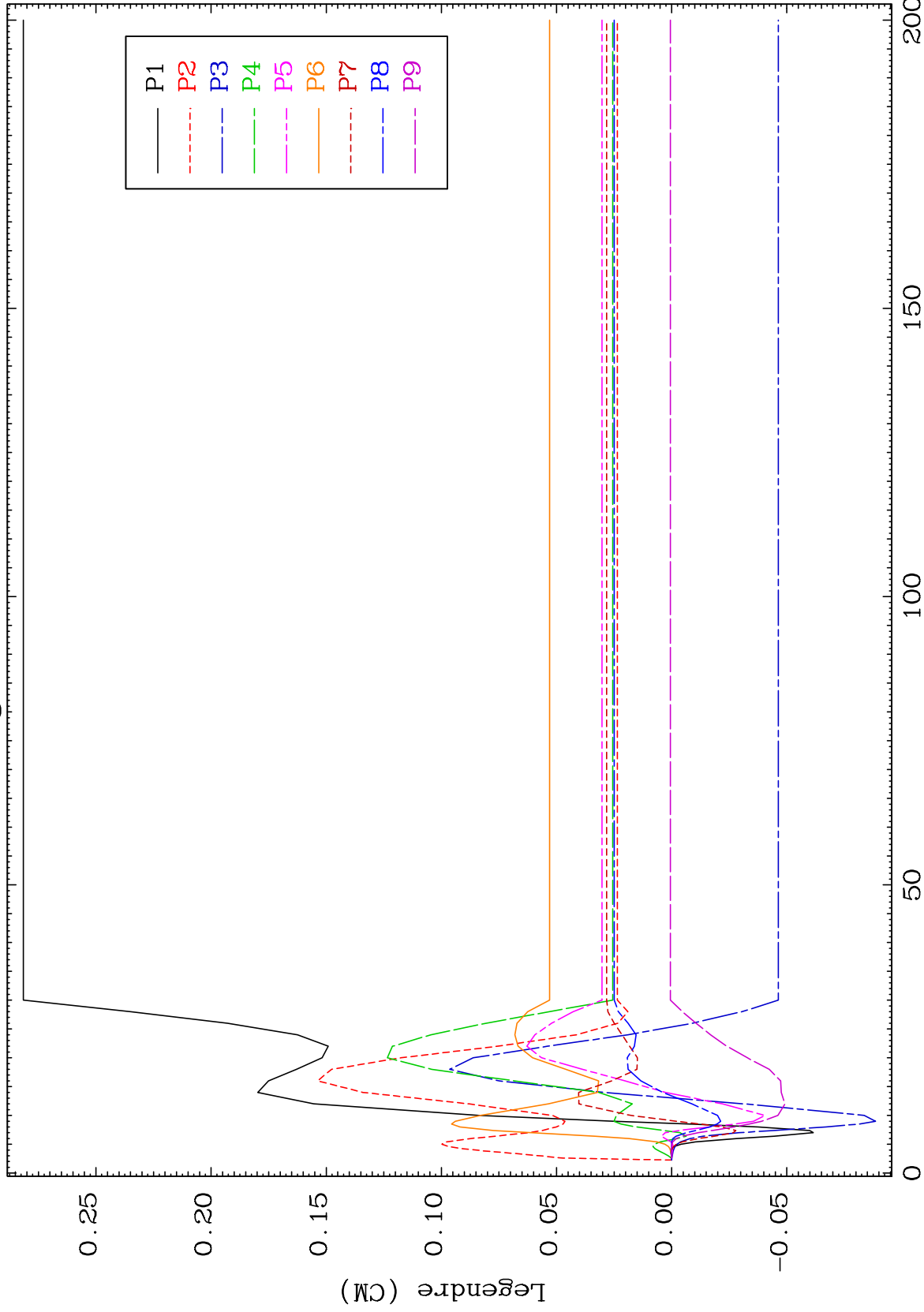
Incident Energy (MeV)

75

MAT 4455

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

44-Ru-106



76

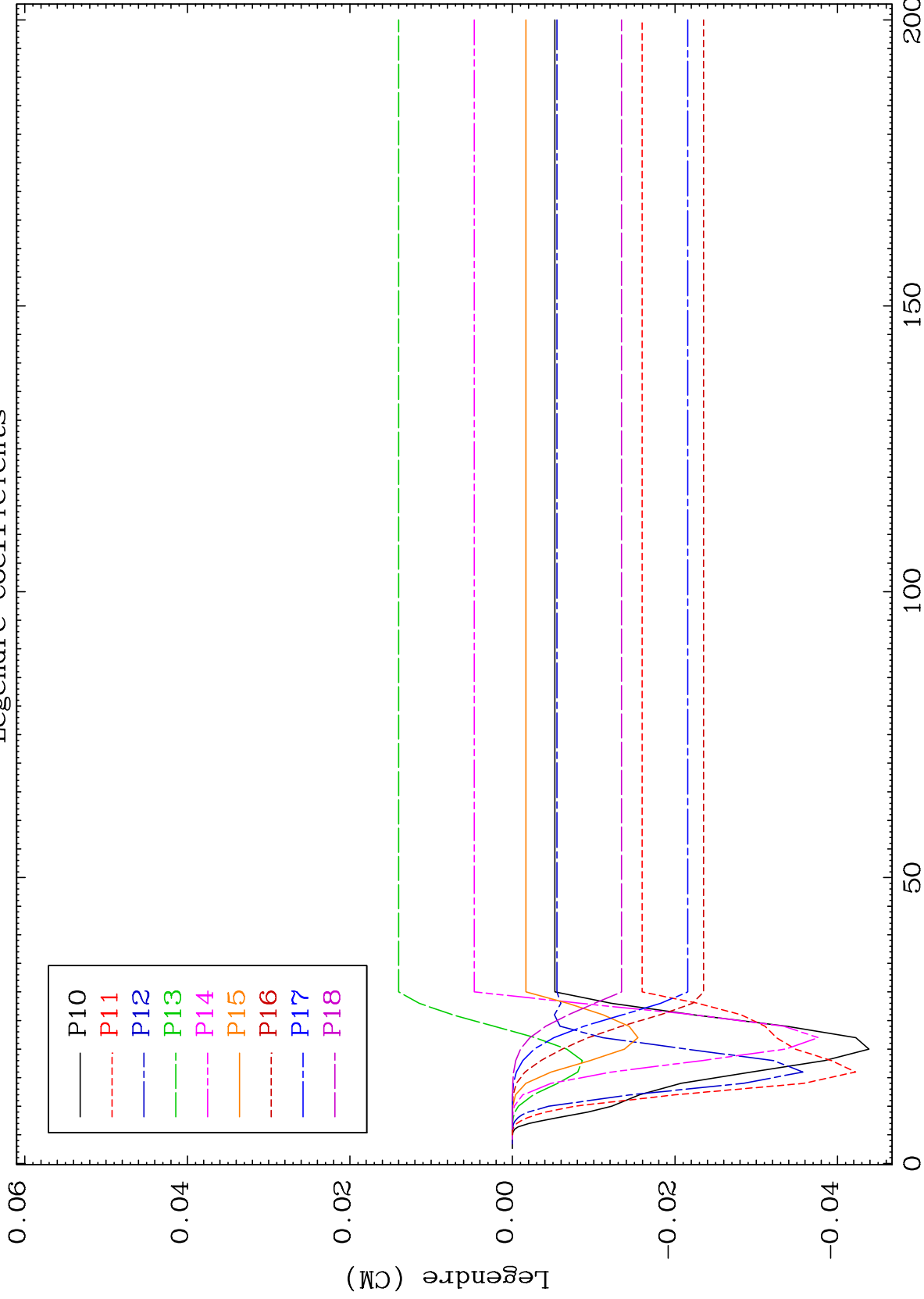
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106

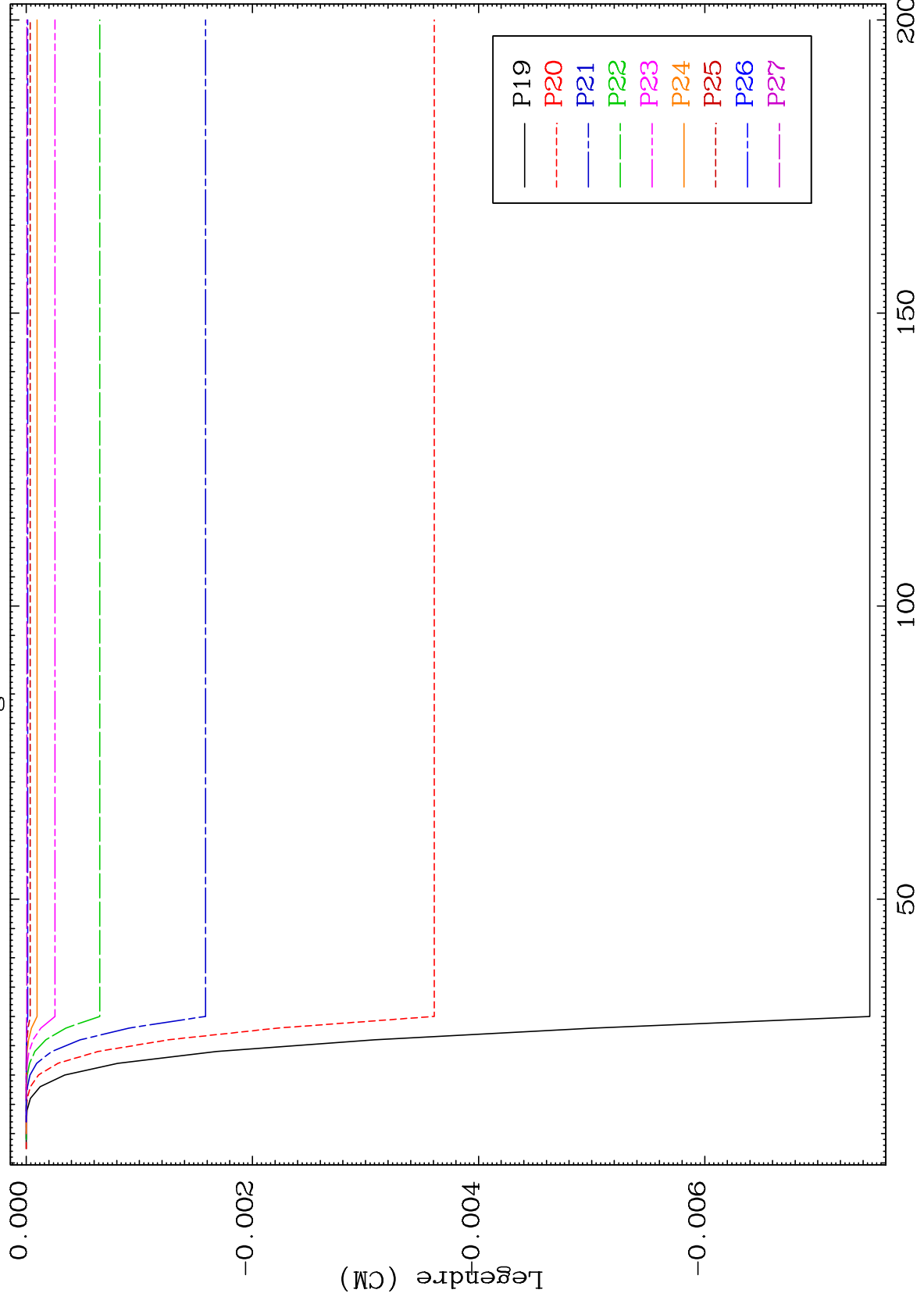


77

Incident Energy (MeV)

44-Ru-106

MAT 4455 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-106

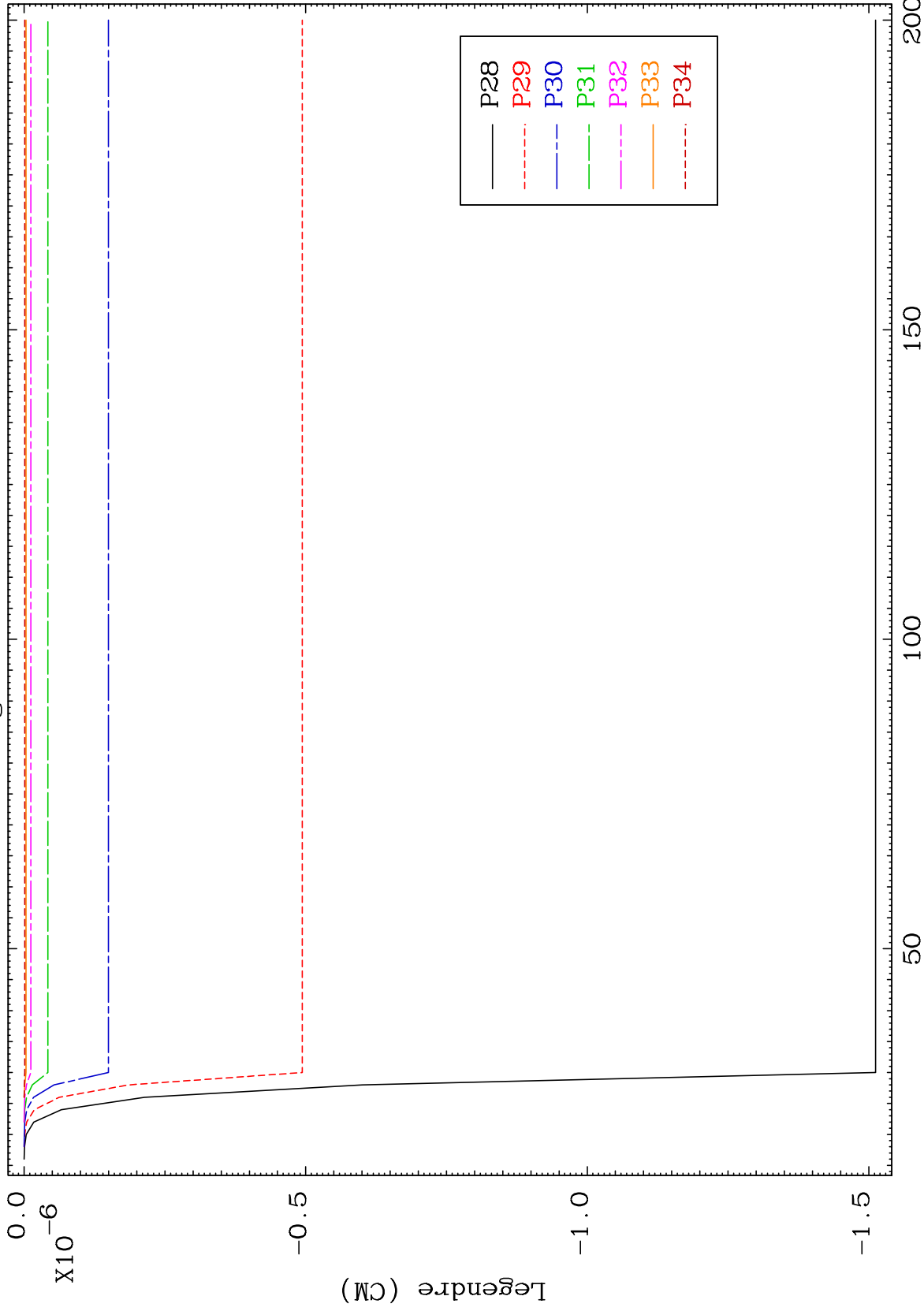


78 44-Ru-106

MAT 4455

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

44-Ru-106



79

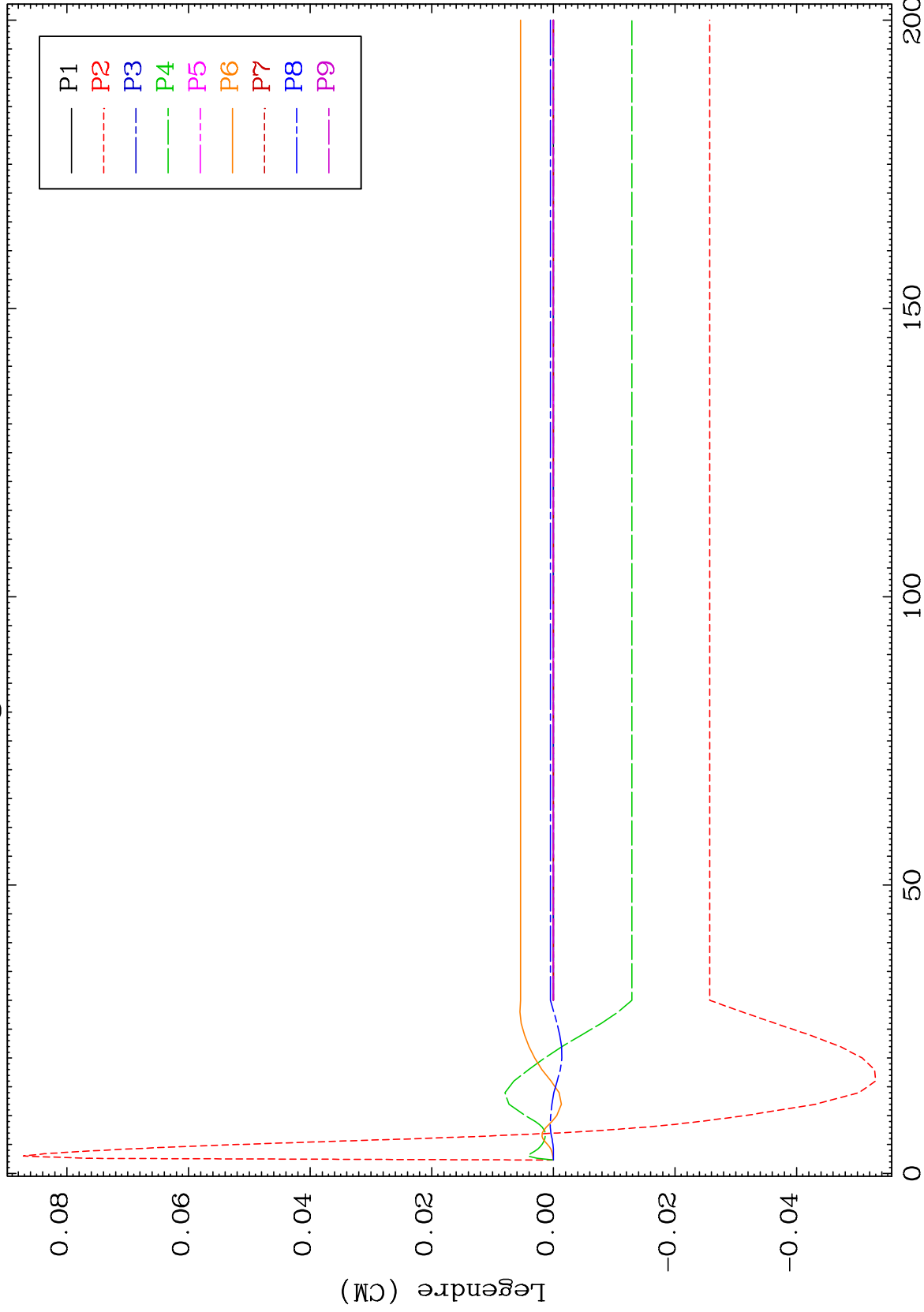
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



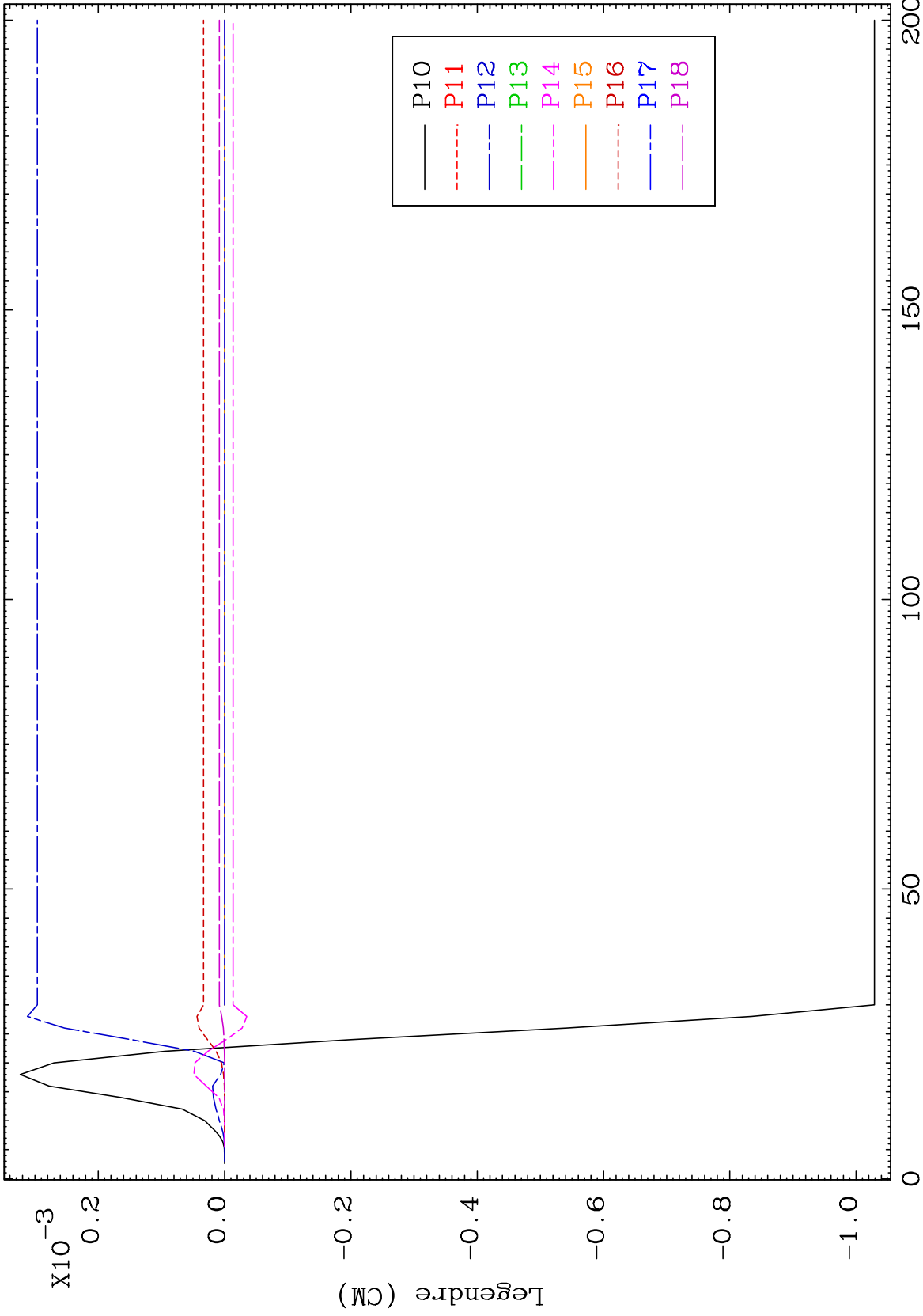
44-Ru-106

Incident Energy (MeV)

MAT 4455

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

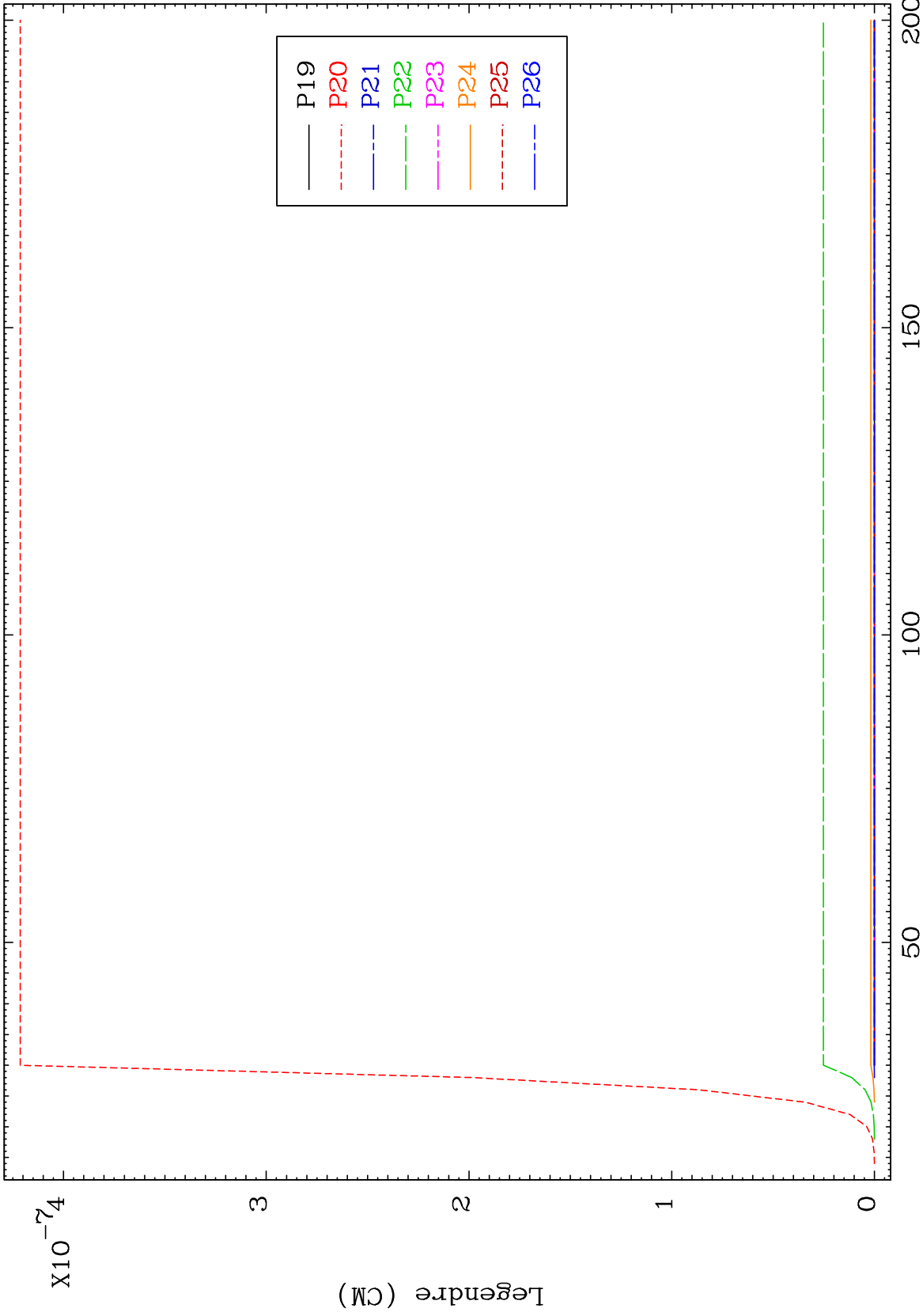
44-Ru-106



MAT 4455

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

44-Ru-106



82

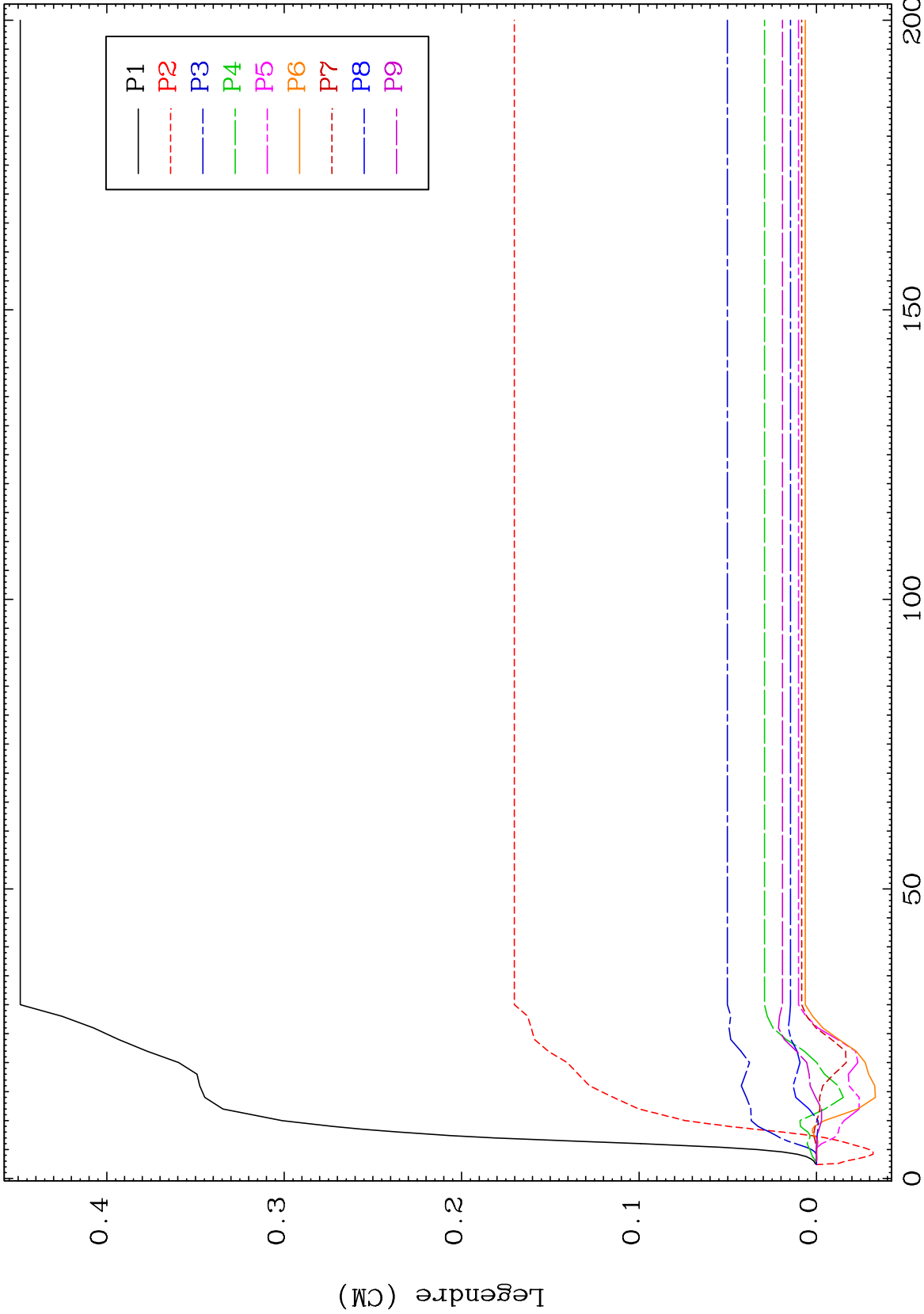
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



83

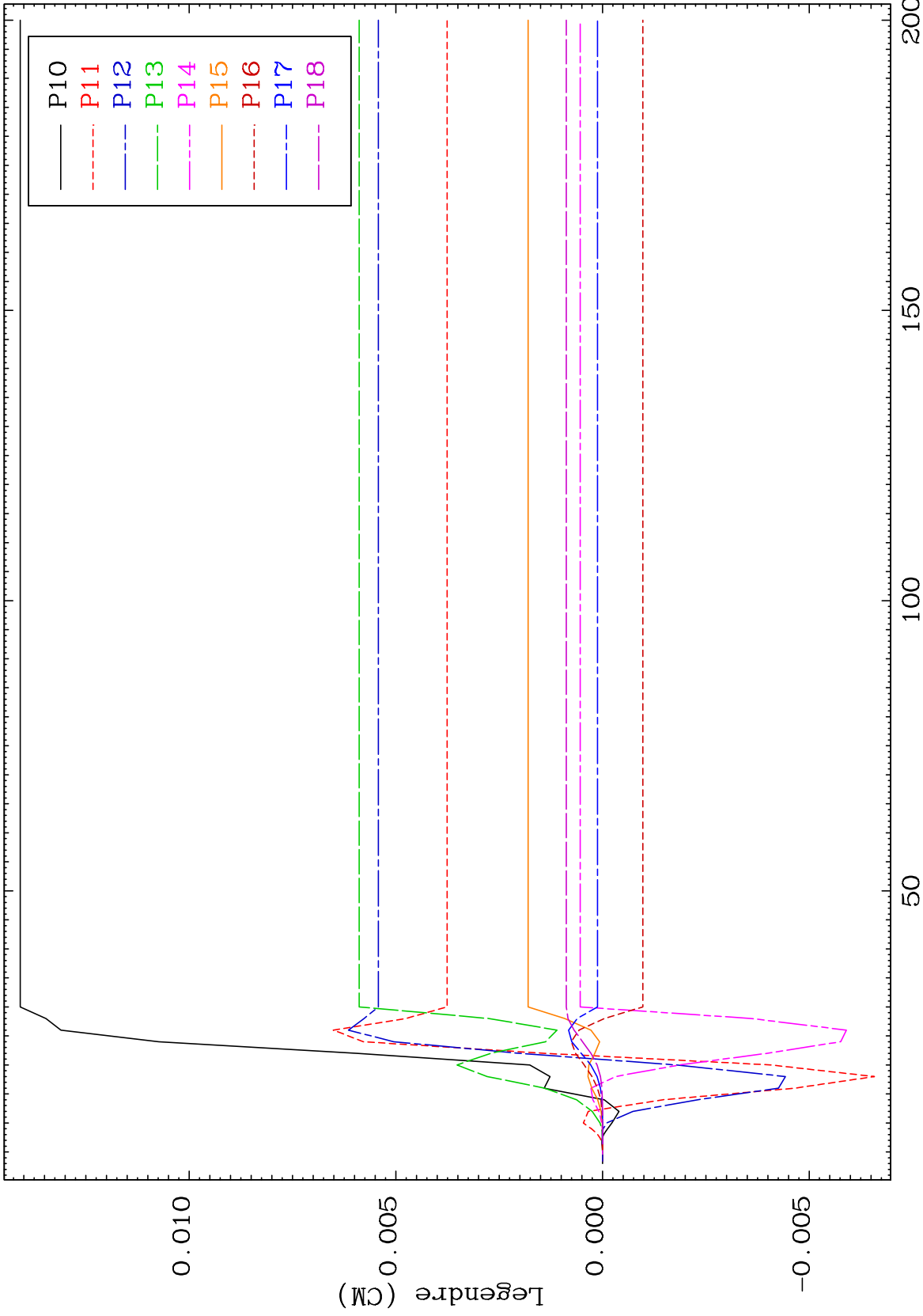
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



84

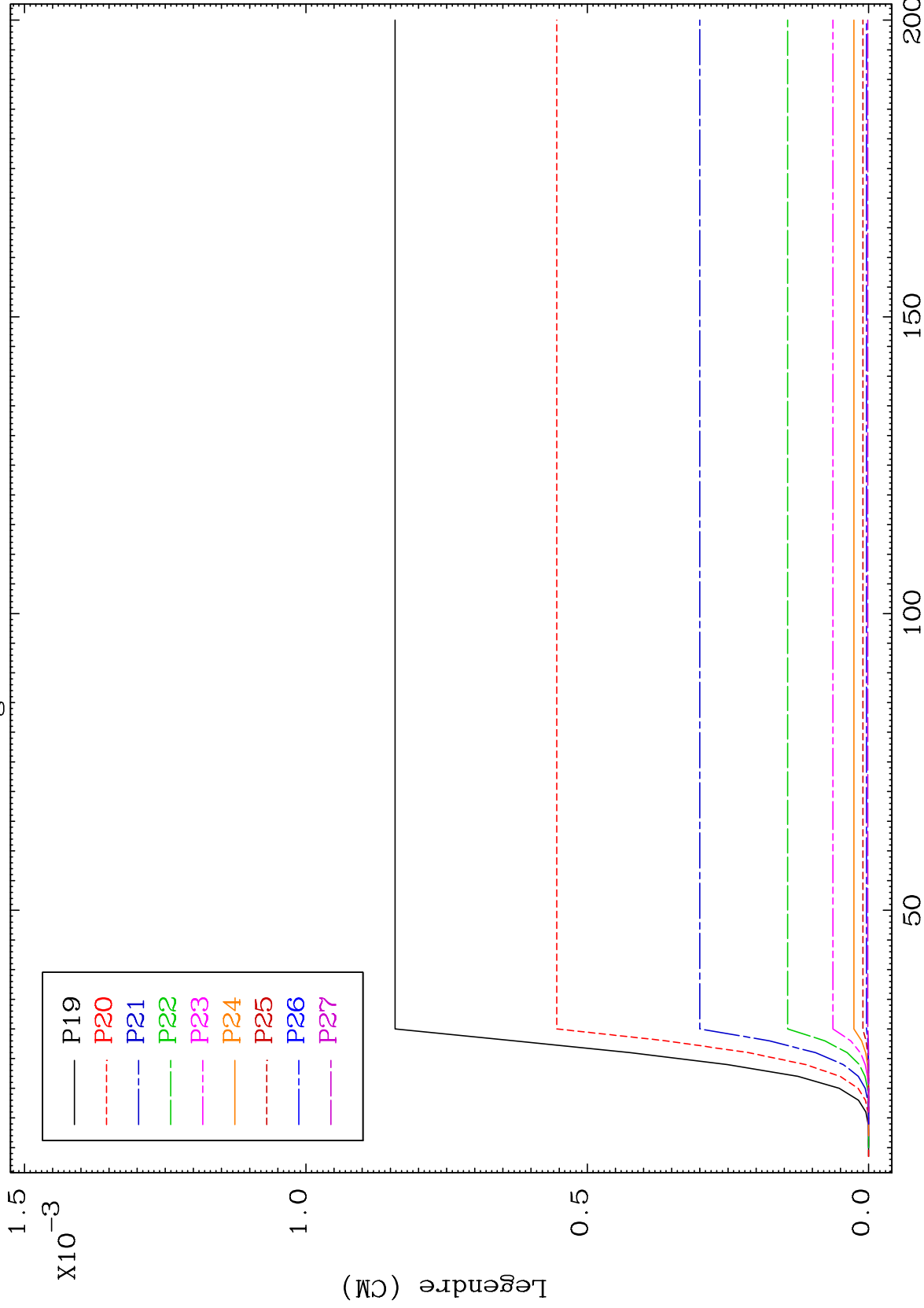
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



85

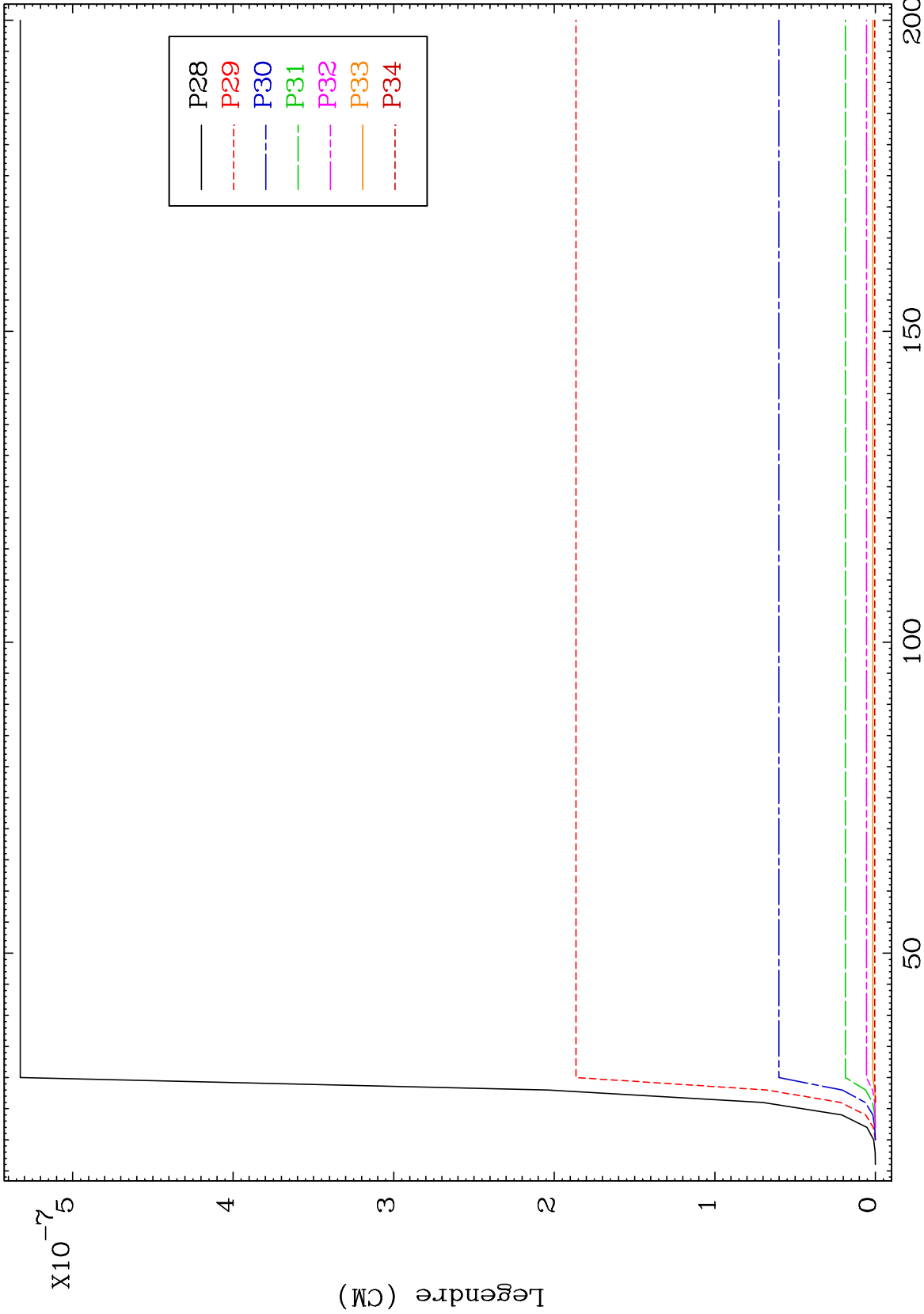
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



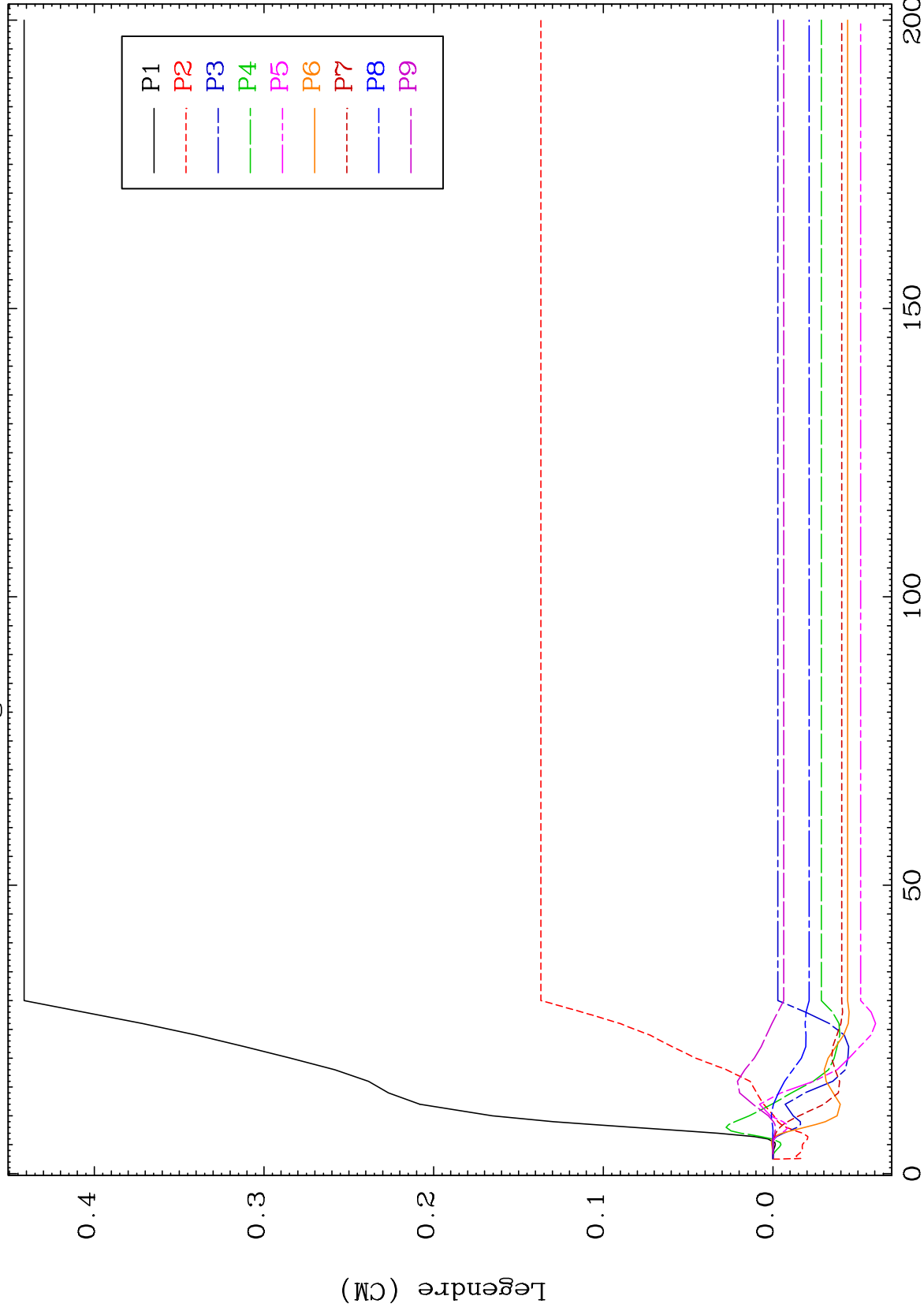
86

44-Ru-106

MAT 4455

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

44-Ru-106



87

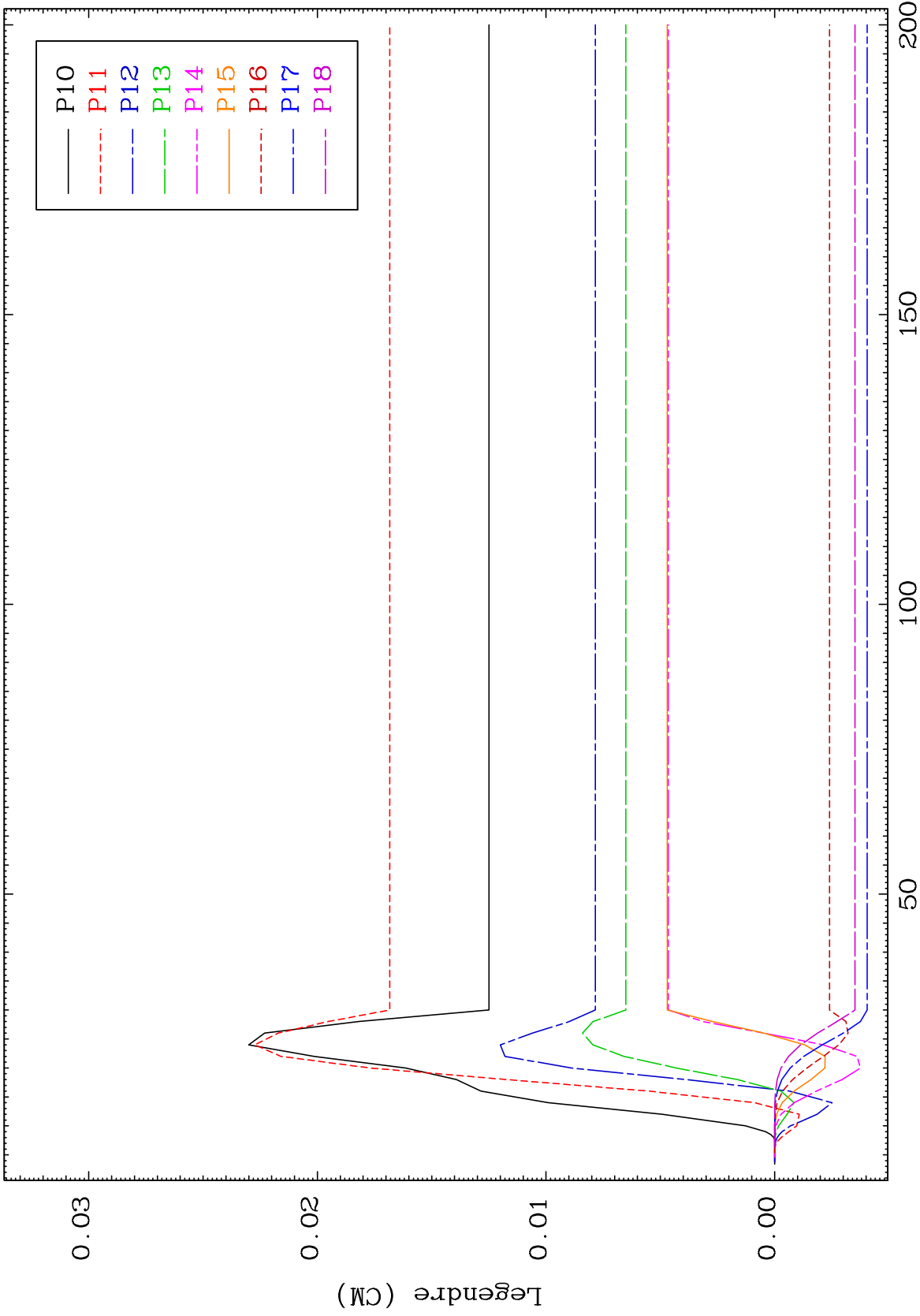
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



88

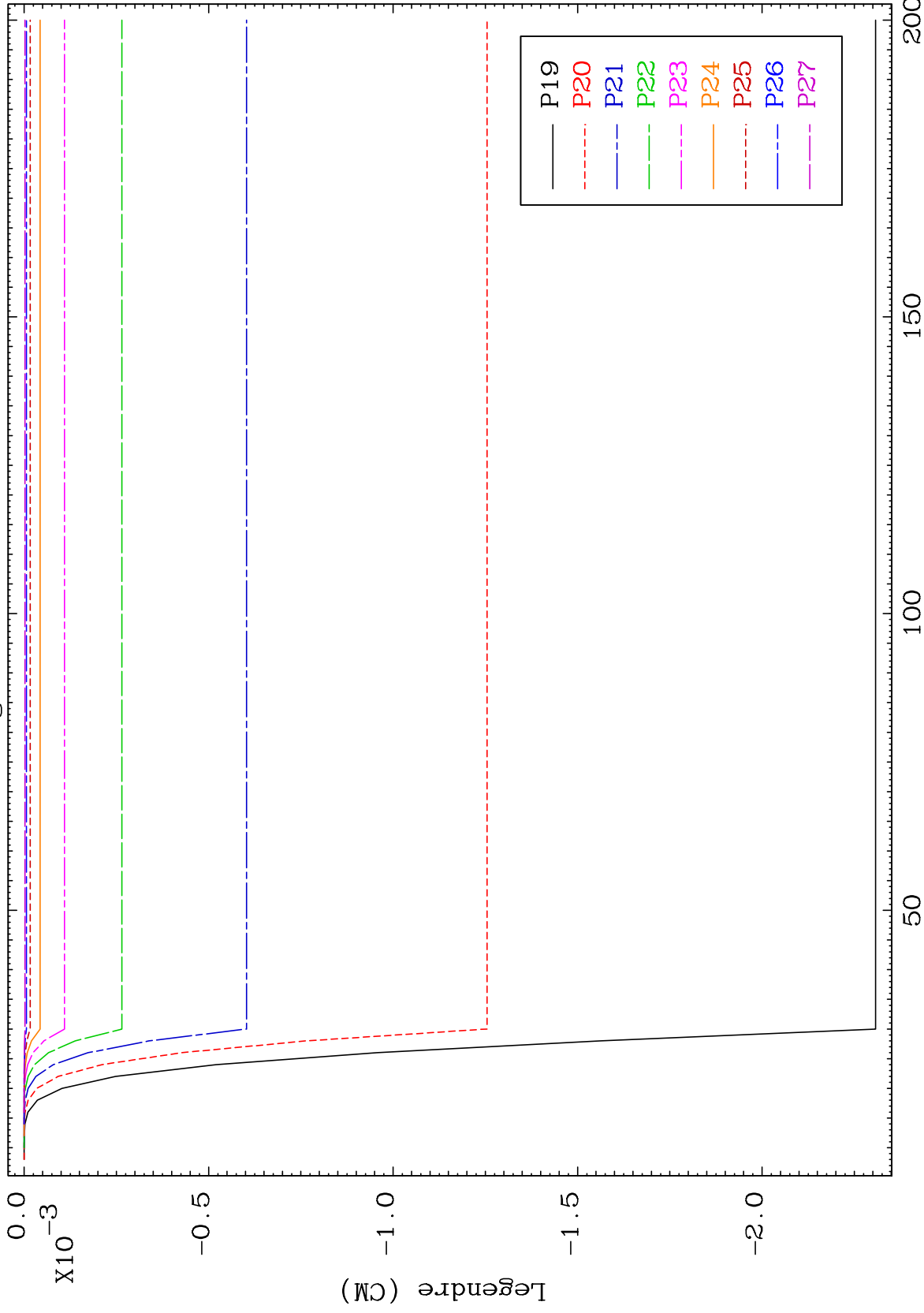
Incident Energy (MeV)

44-Ru-106

44-Ru-106

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

MAT 4455



44-Ru-106

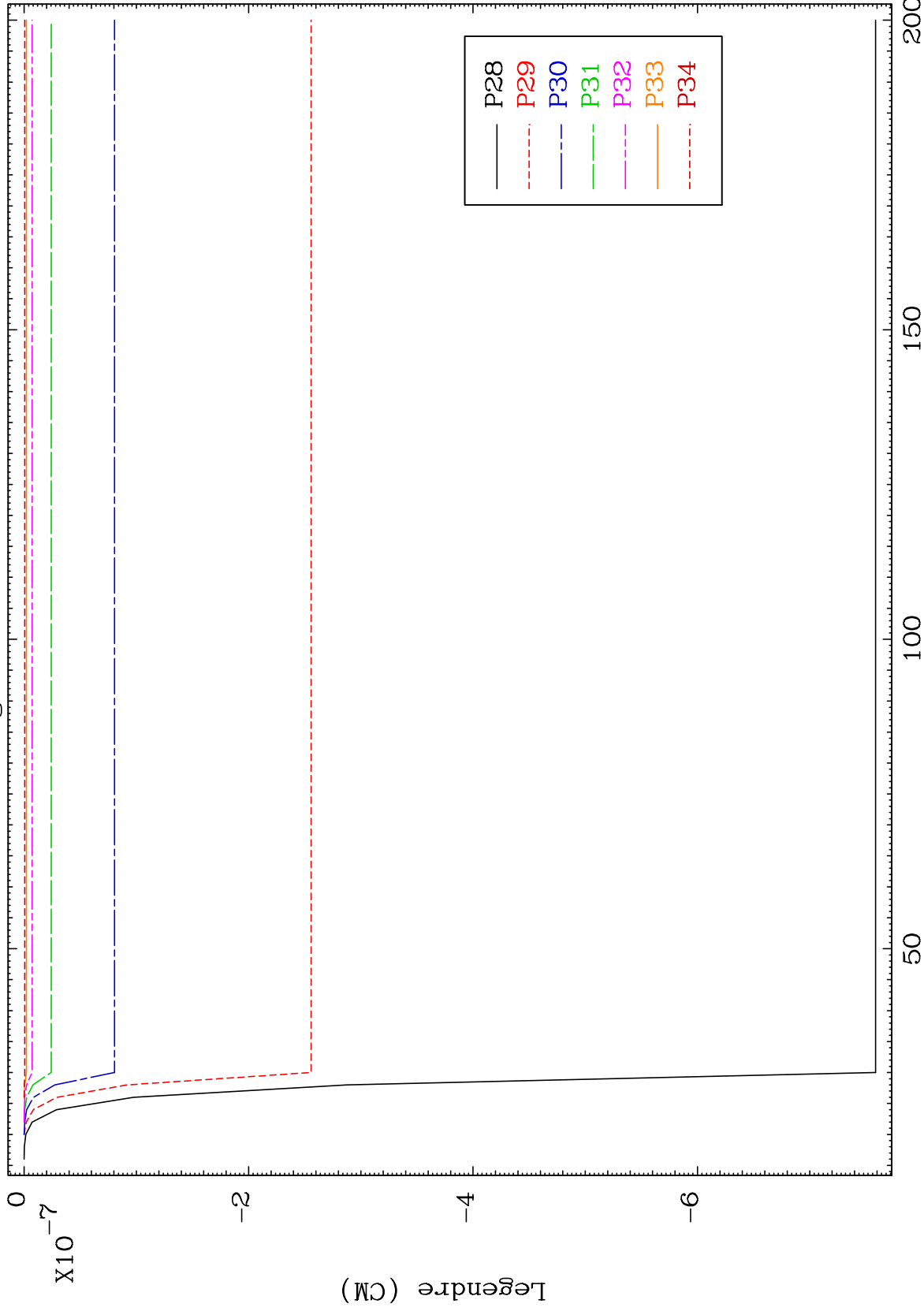
Incident Energy (MeV)

89

MAT 4455

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

44-Ru-106



90

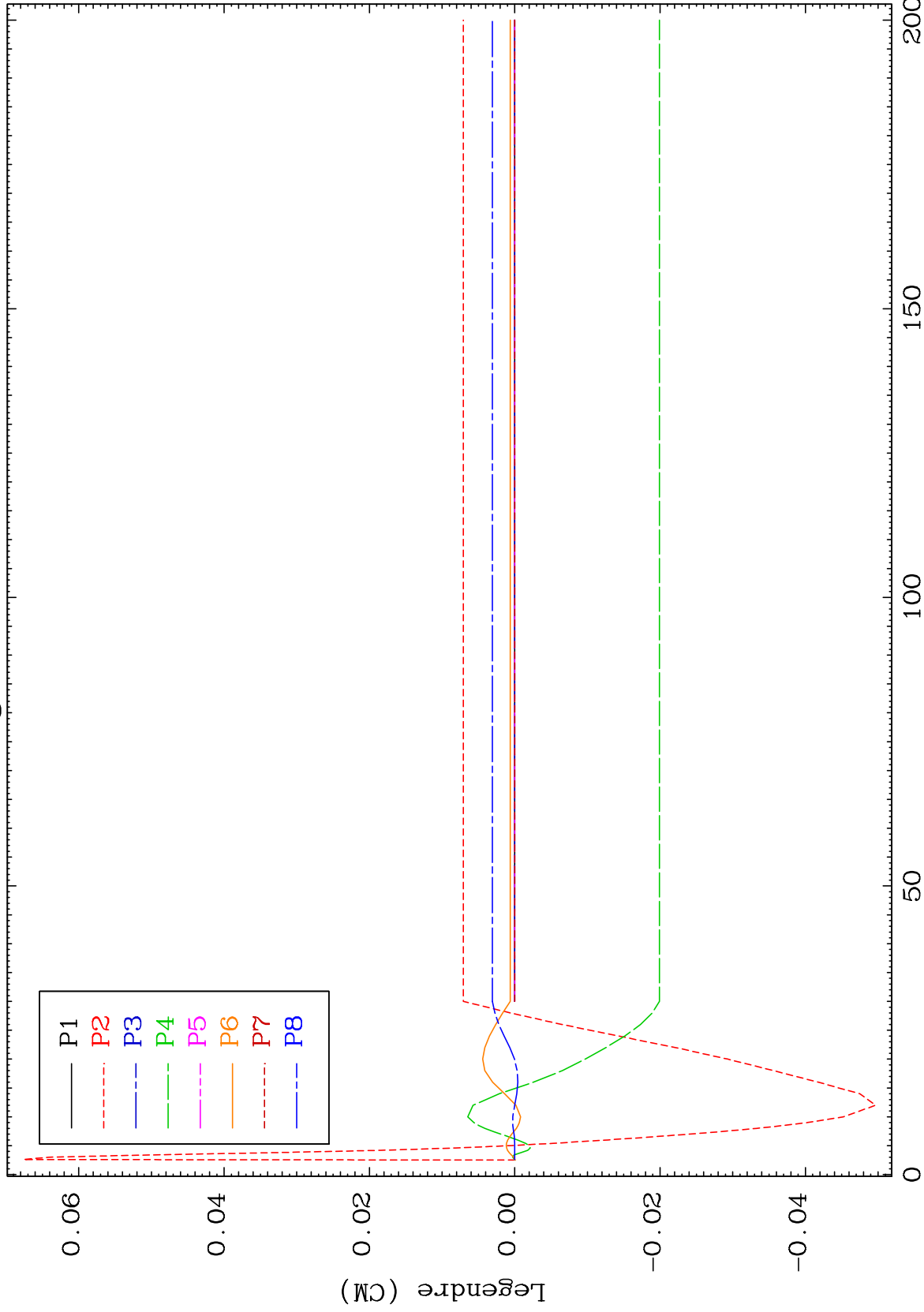
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



91

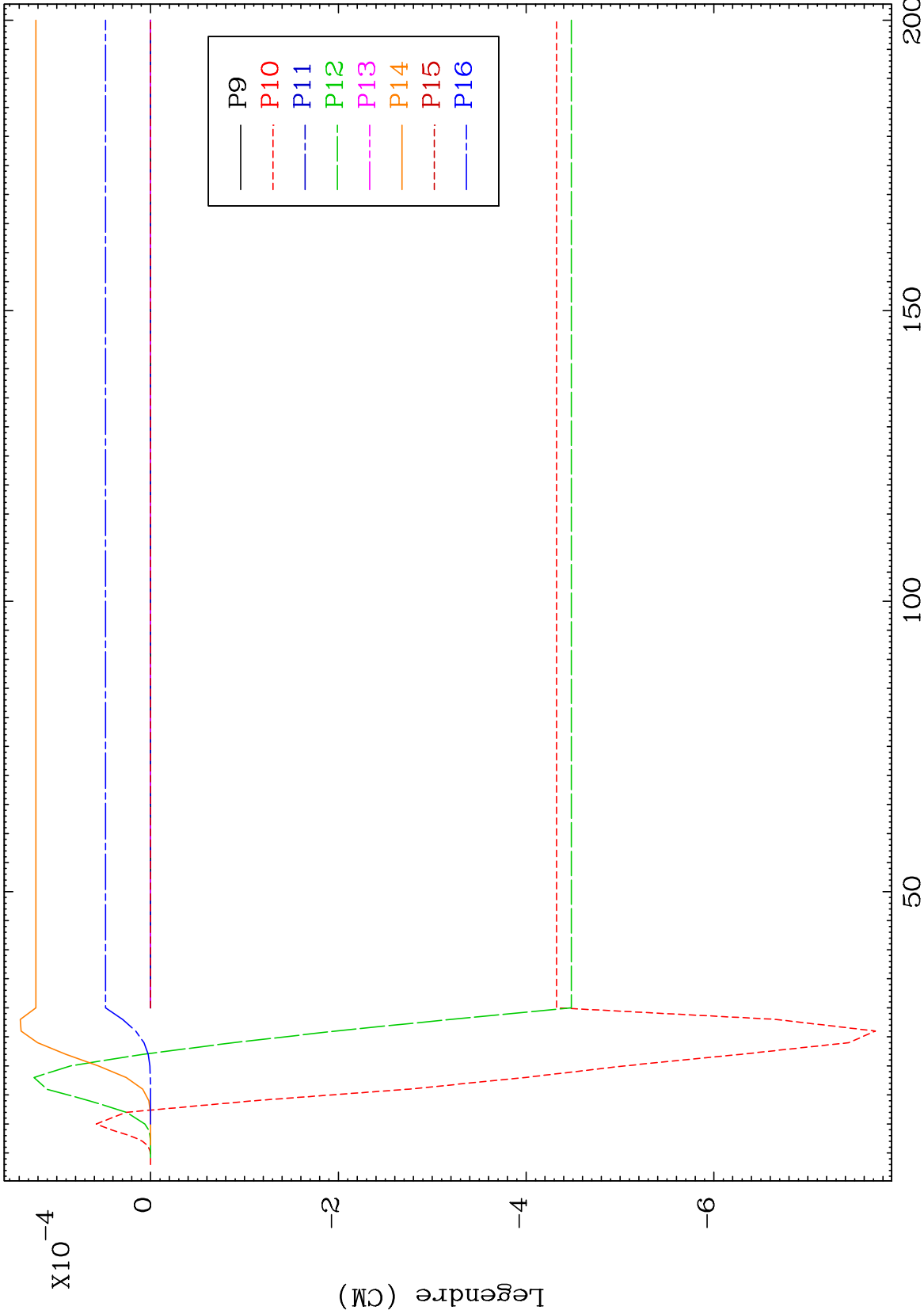
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



92

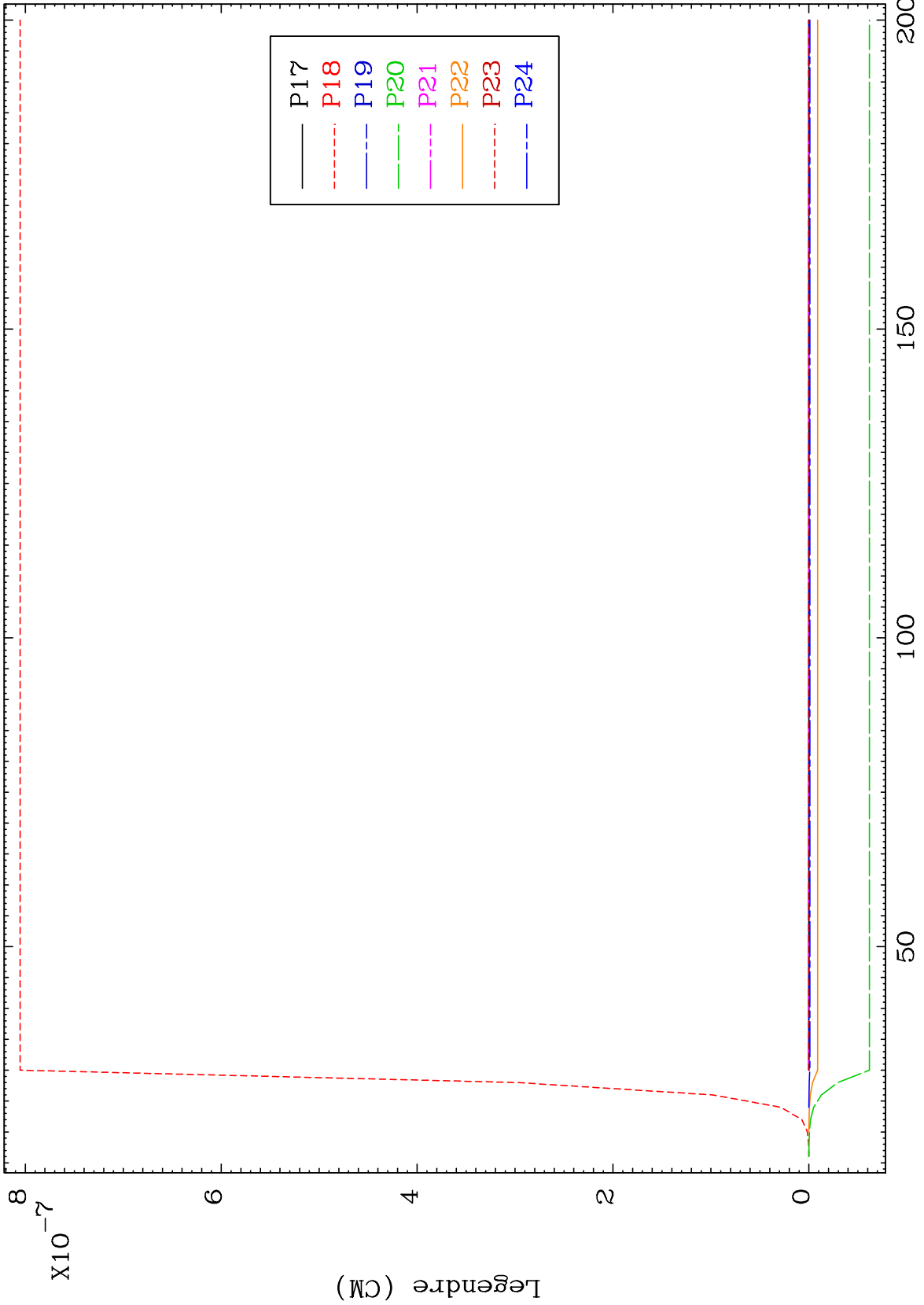
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



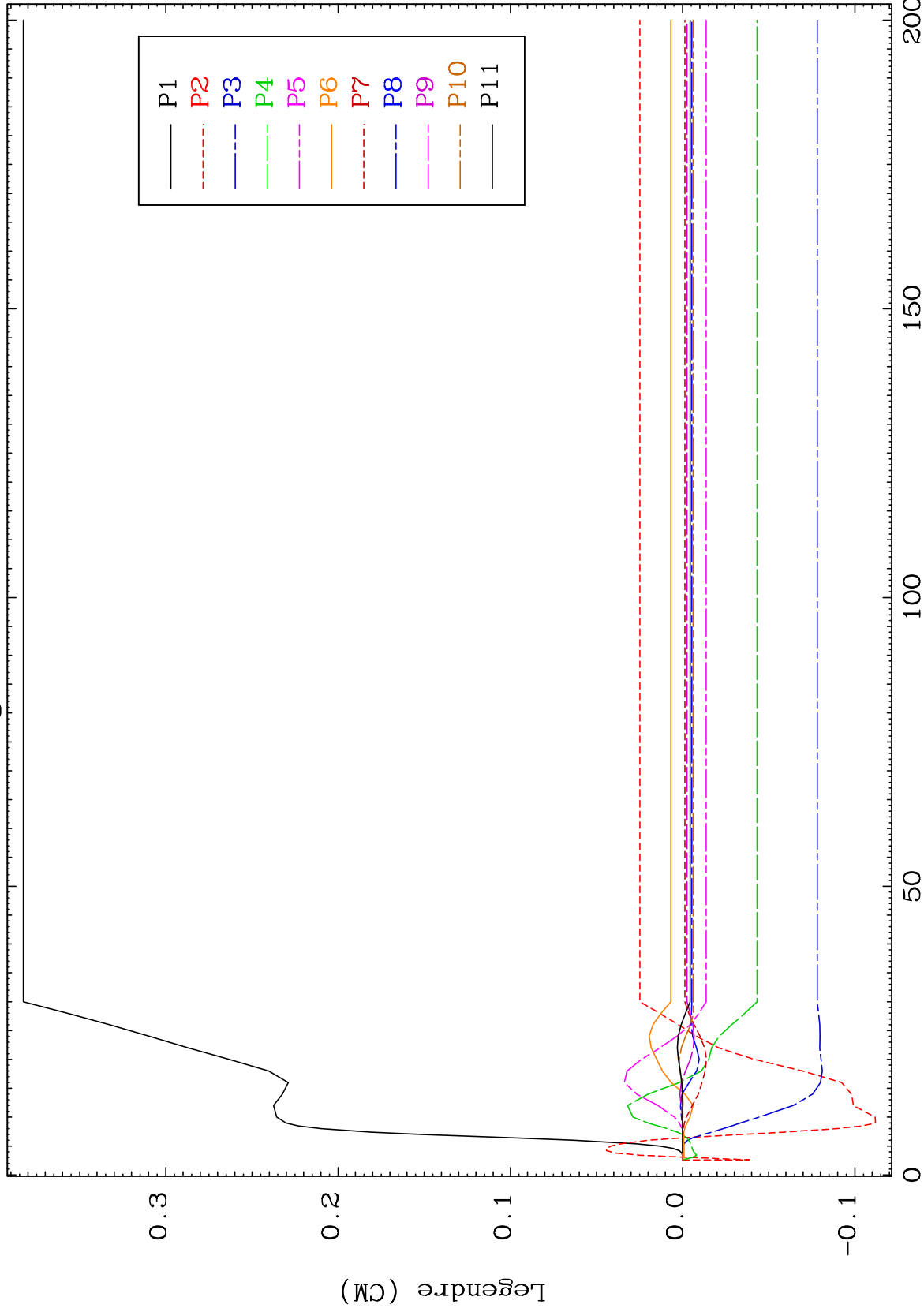
93

44-Ru-106

MAT 4455

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

44-Ru-106



94

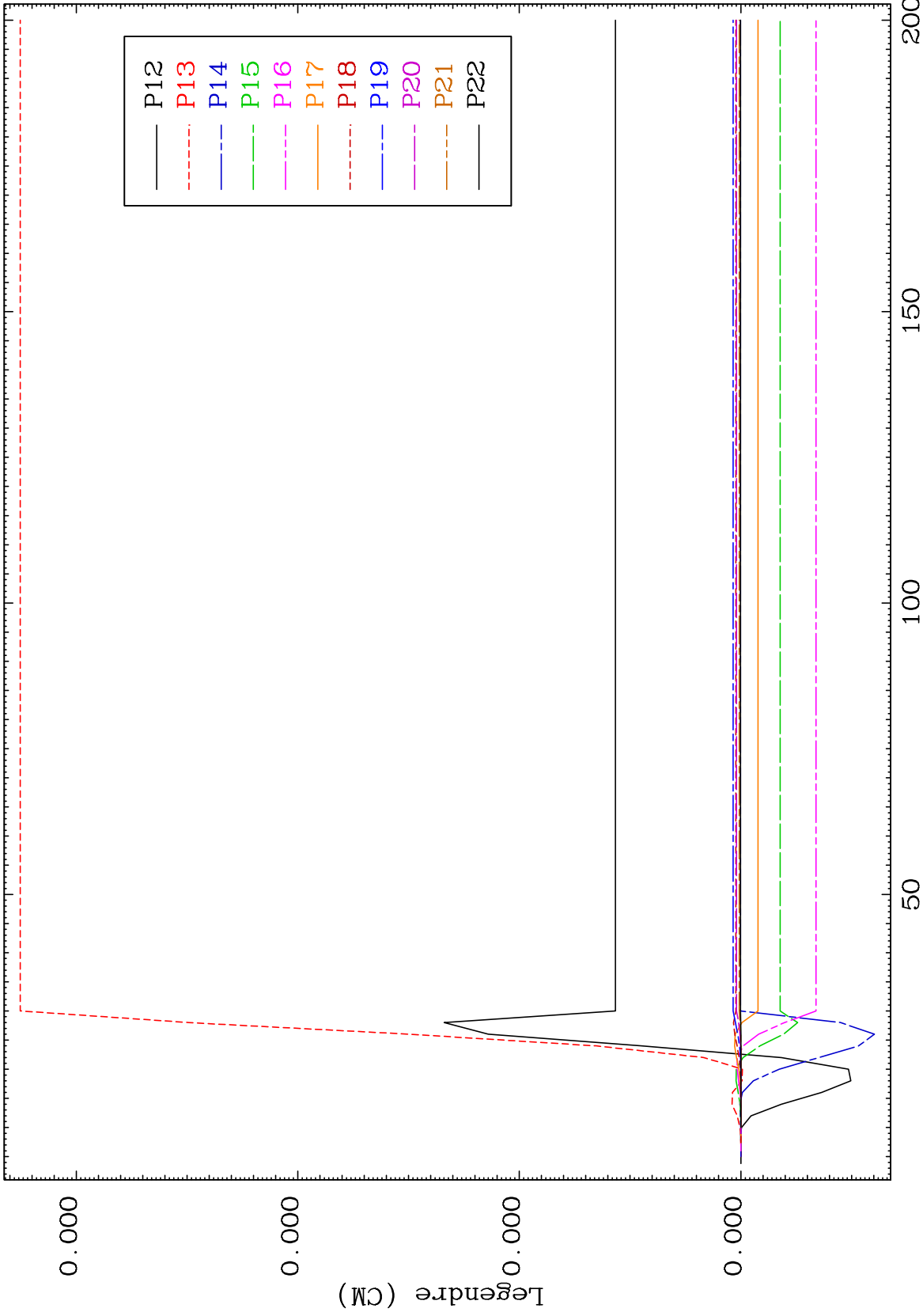
44-Ru-106

44-Ru-106

MAT 4455

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

44-Ru-106



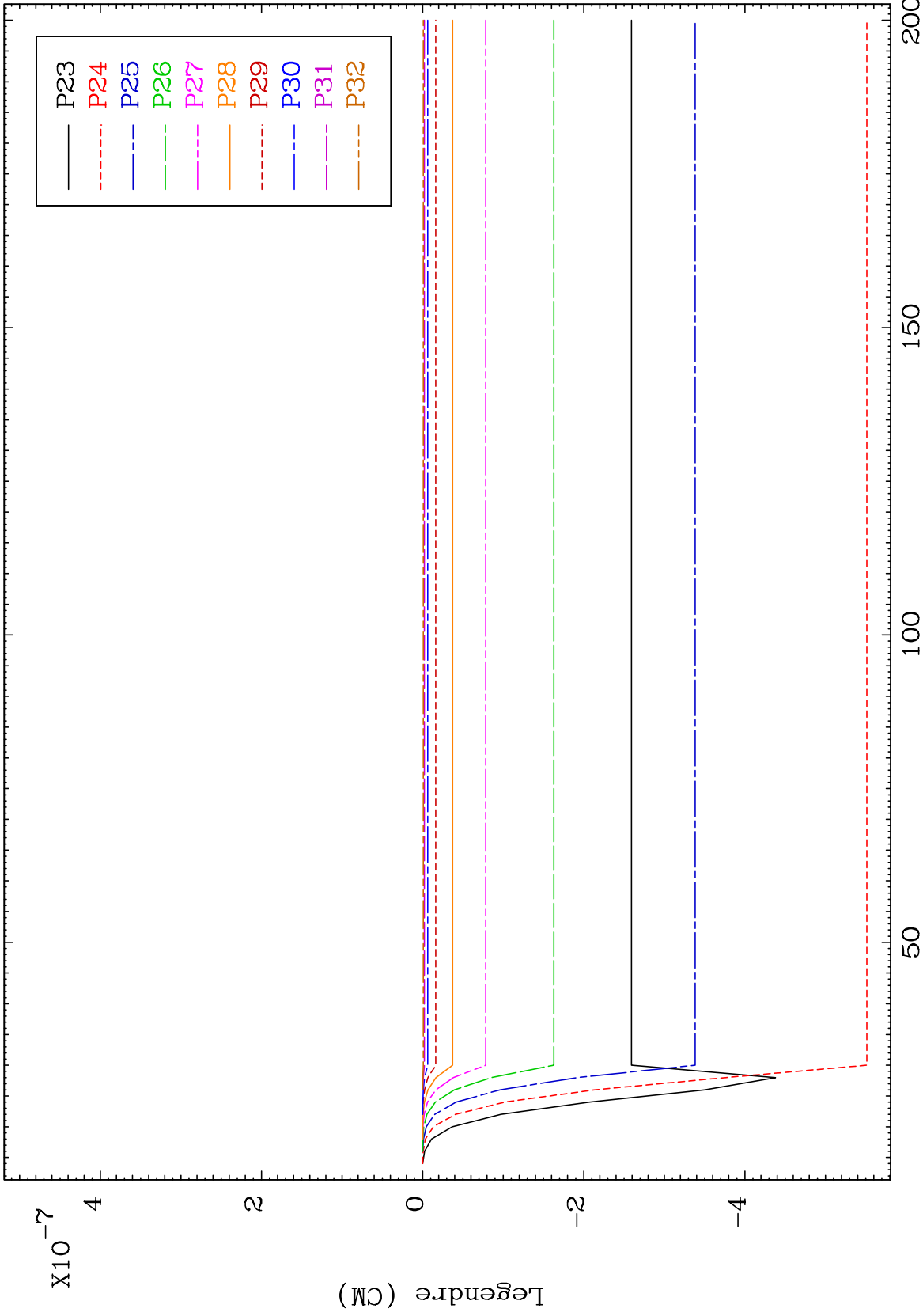
95

44-Ru-106

MAT 4455

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

44-Ru-106



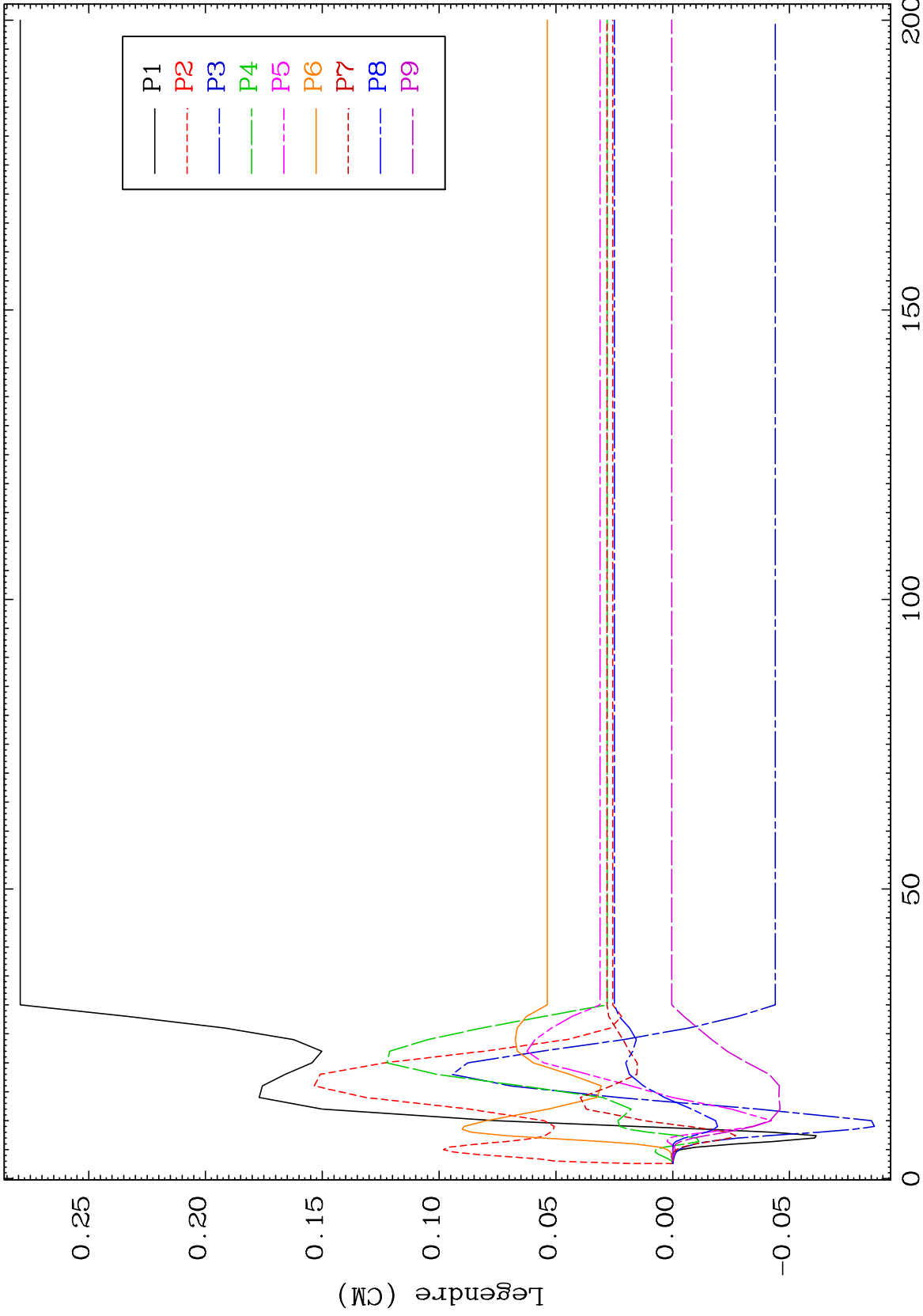
96

44-Ru-106

MAT 4455

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

44-Ru-106



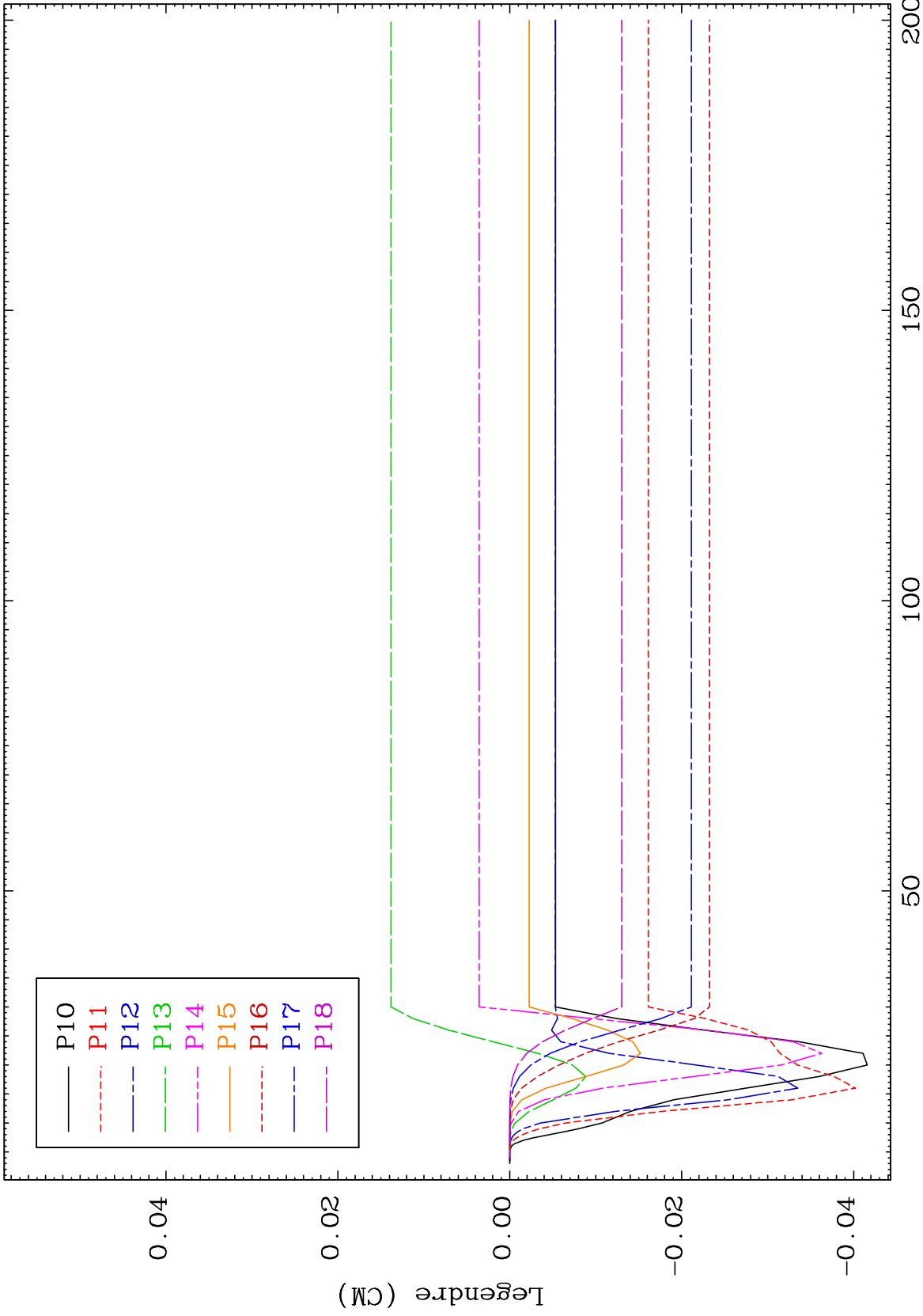
97

44-Ru-106

MAT 4455

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

44-Ru-106

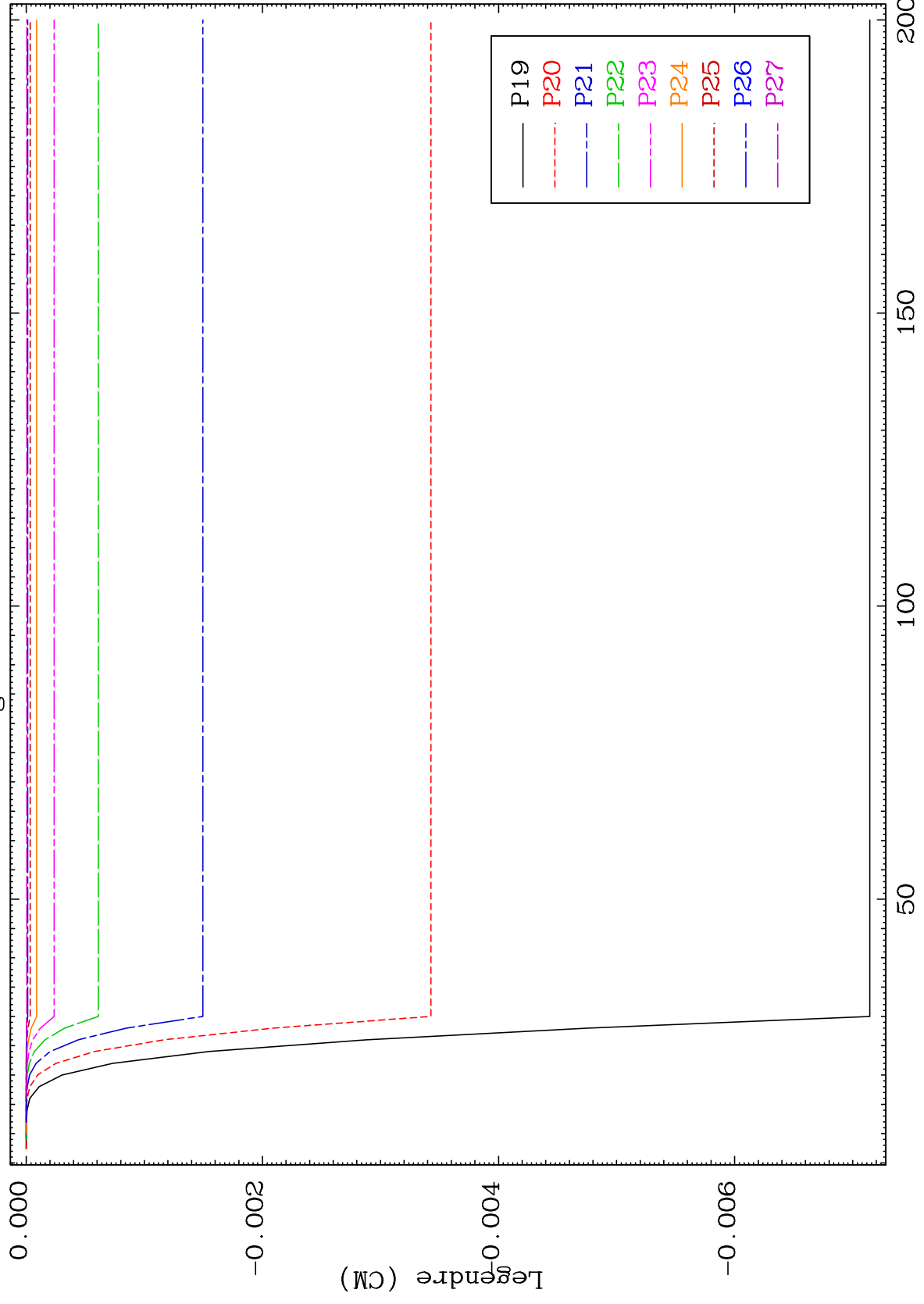


98

Incident Energy (MeV)

44-Ru-106

MAT 4455 MT= 72 (n,n') Level Legendre Coefficients 44-Ru-106

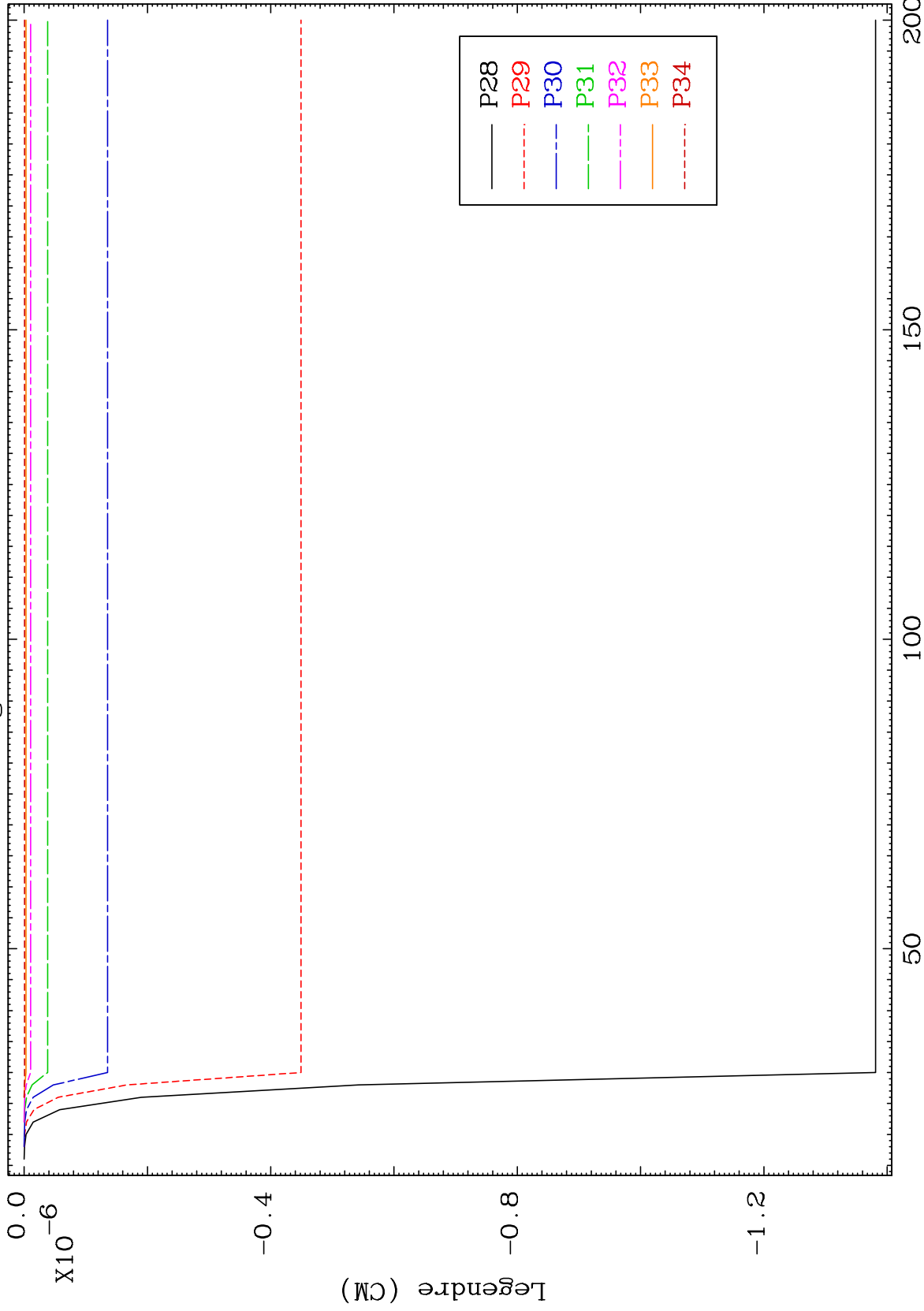


99 44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

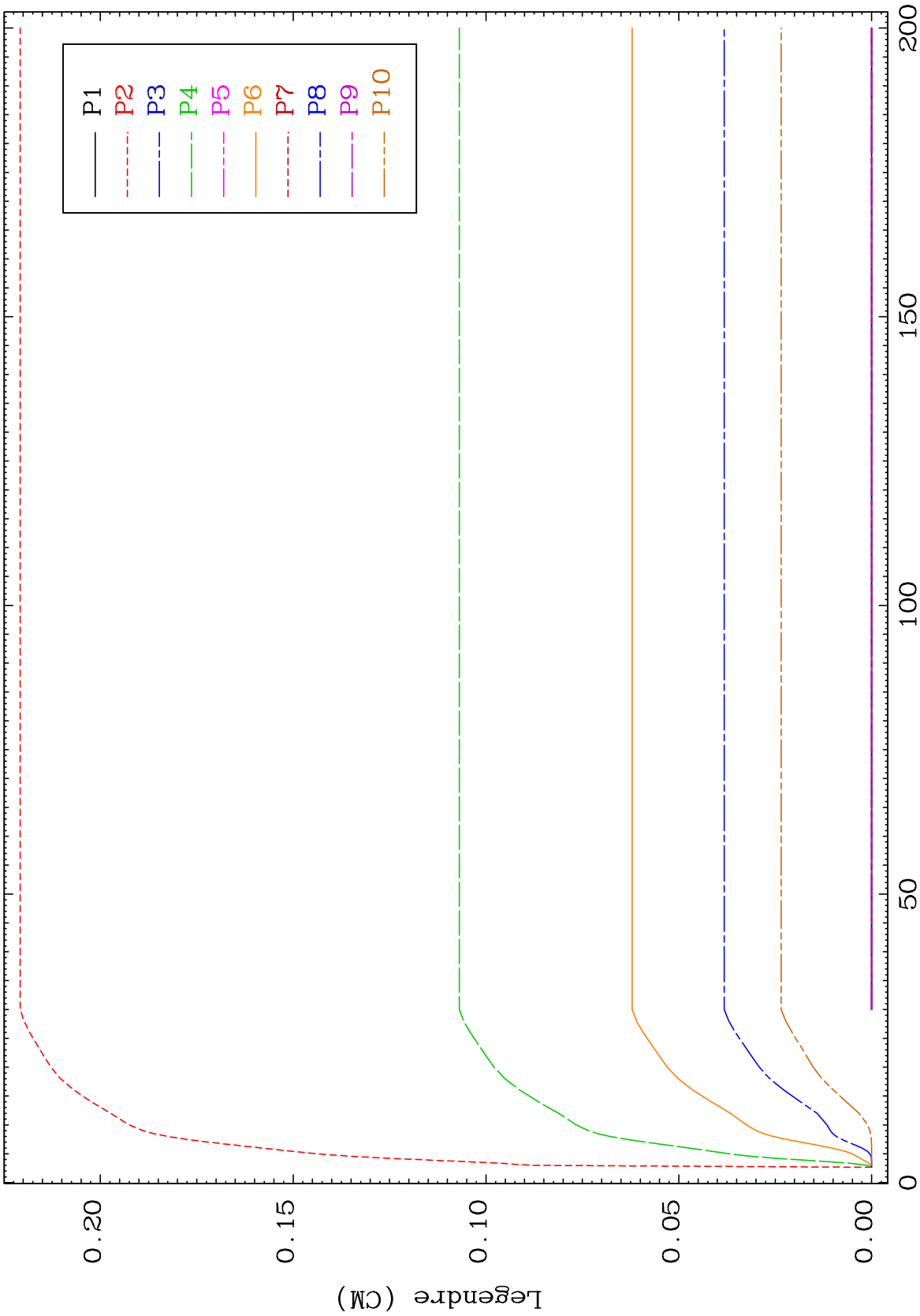
Incident Energy (MeV)

100

MAT 4455

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

44-Ru-106



101

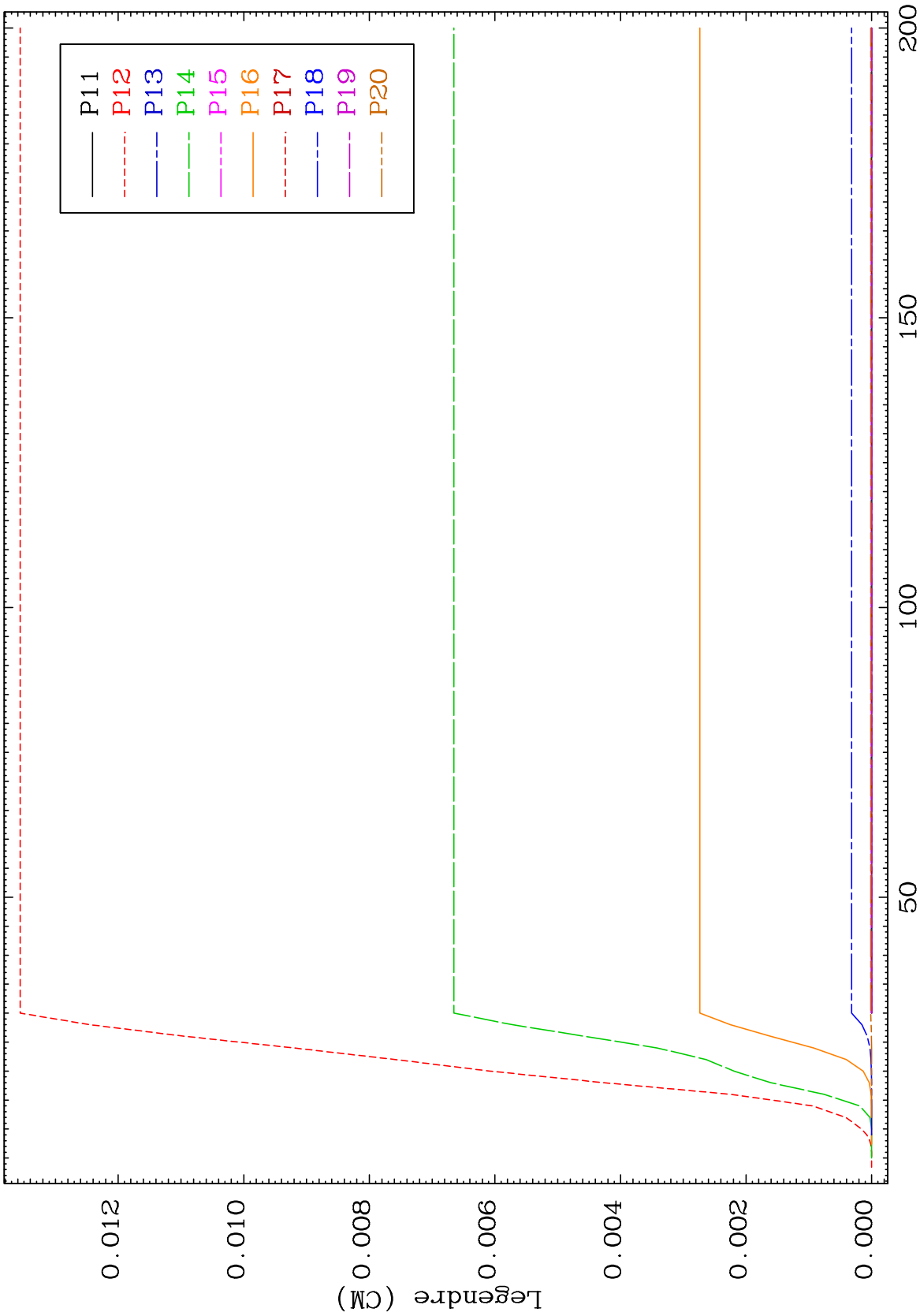
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



102

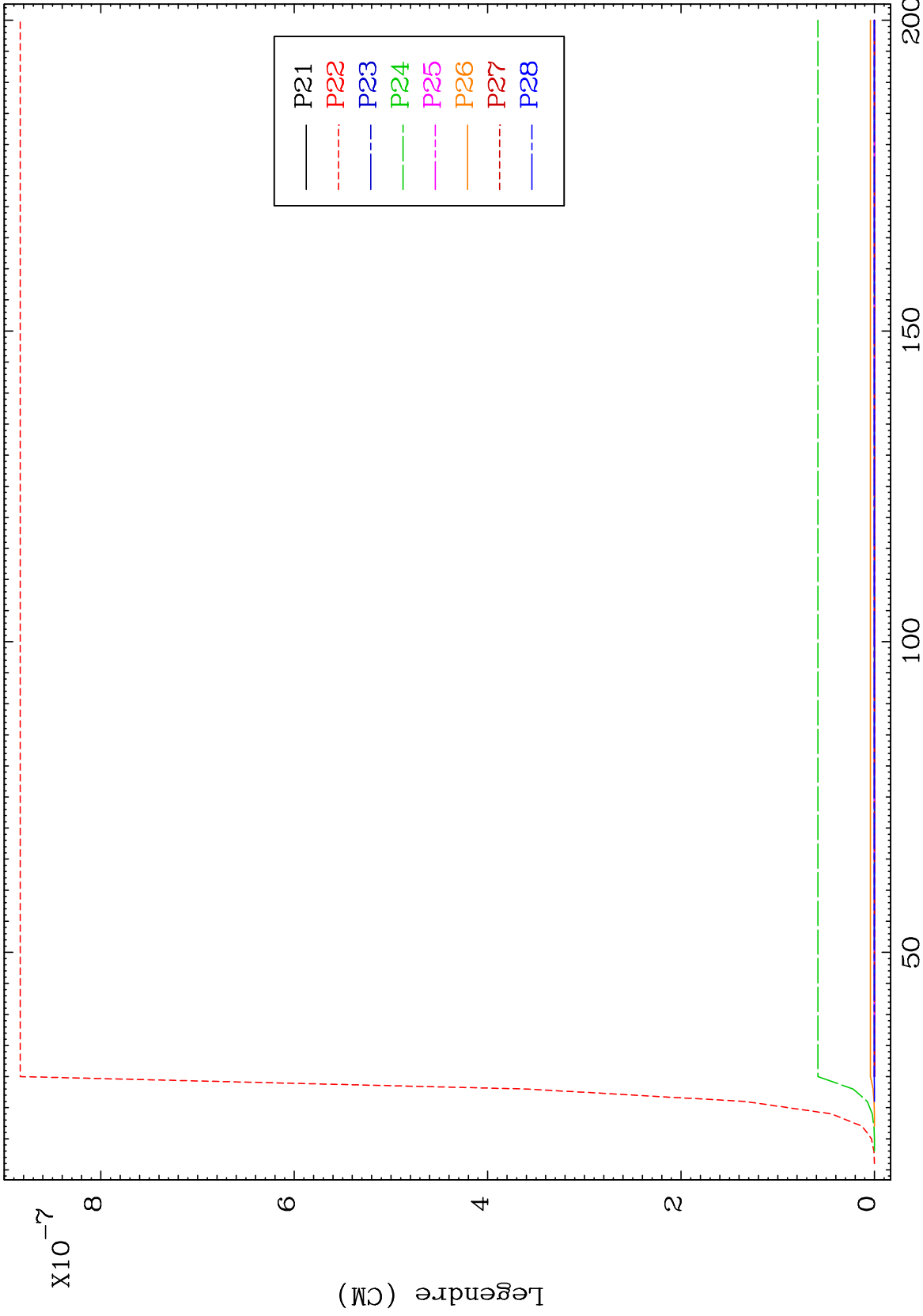
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



103

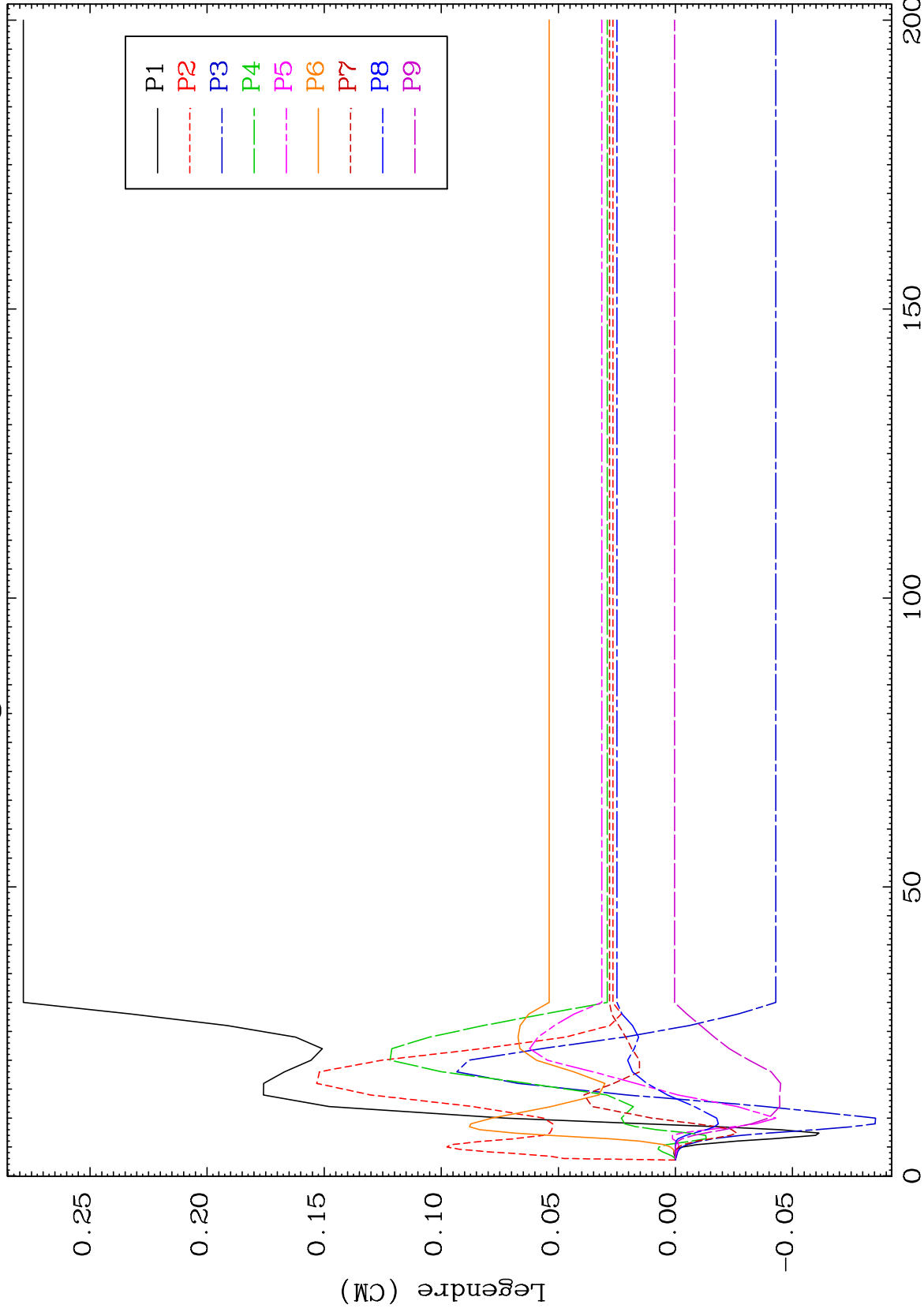
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

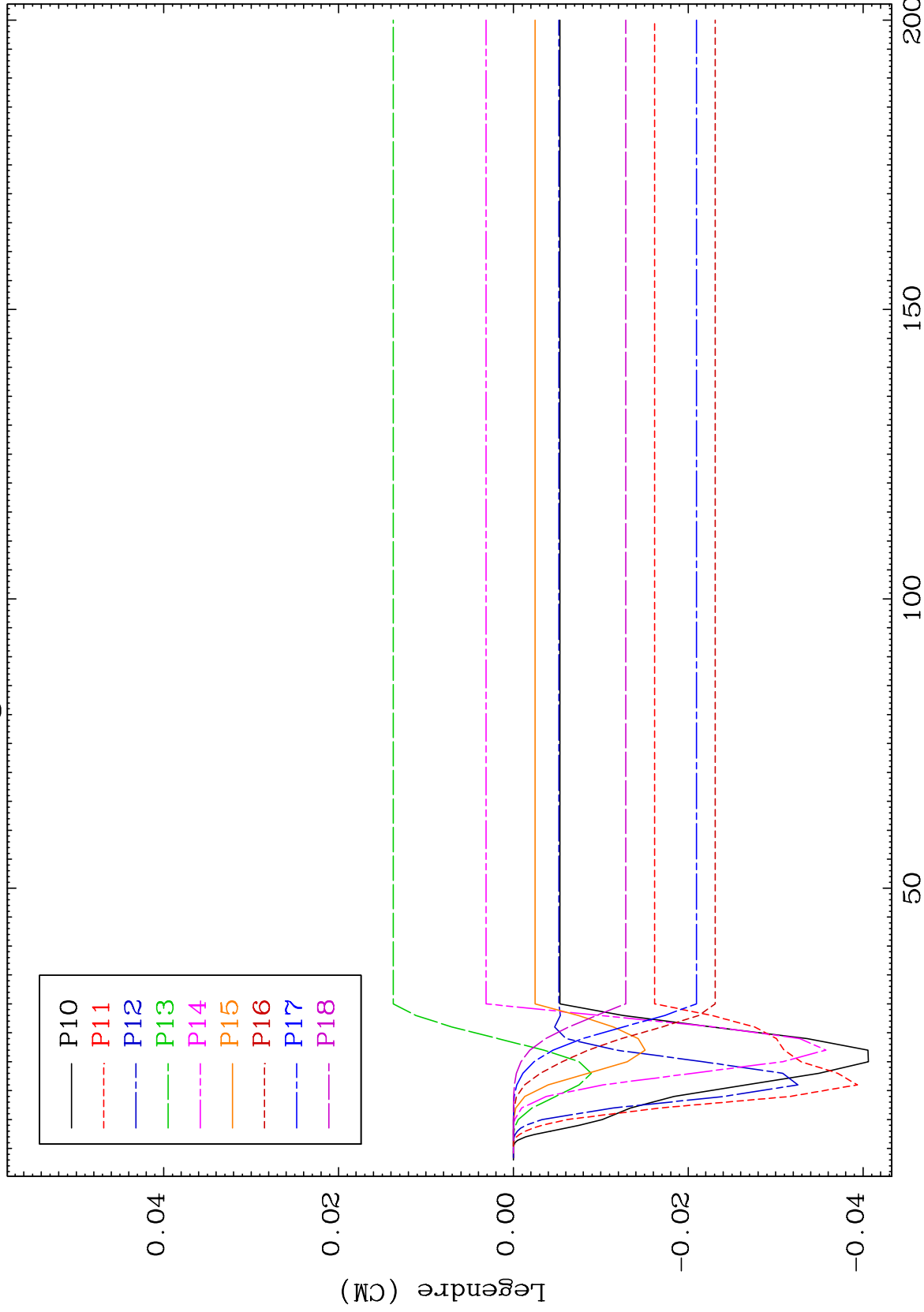
Incident Energy (MeV)

104

MAT 4455

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

44-Ru-106

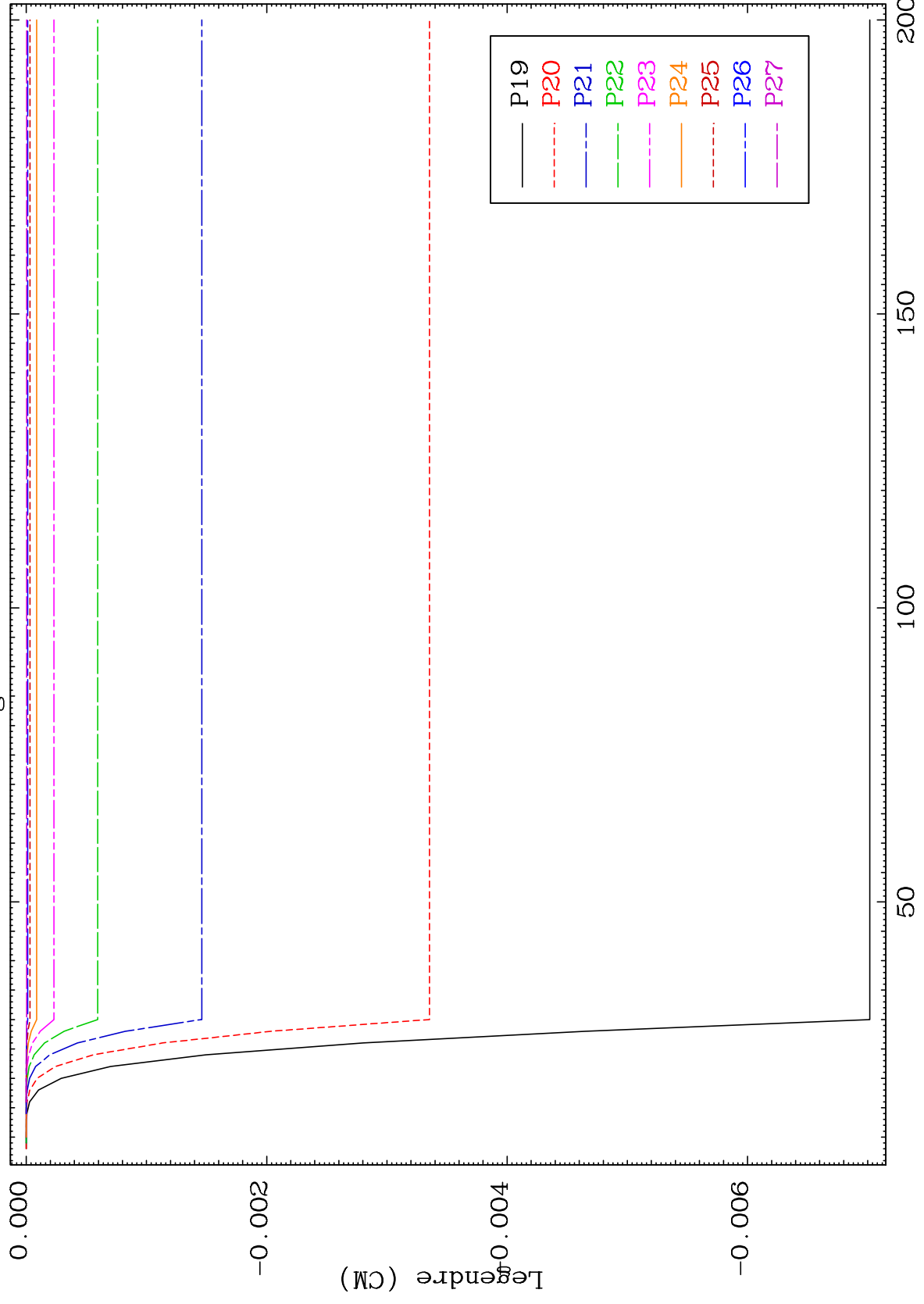


105

Incident Energy (MeV)

44-Ru-106

MAT 4455 MT= 74 (n,n') Level Legendre Coefficients 44-Ru-106

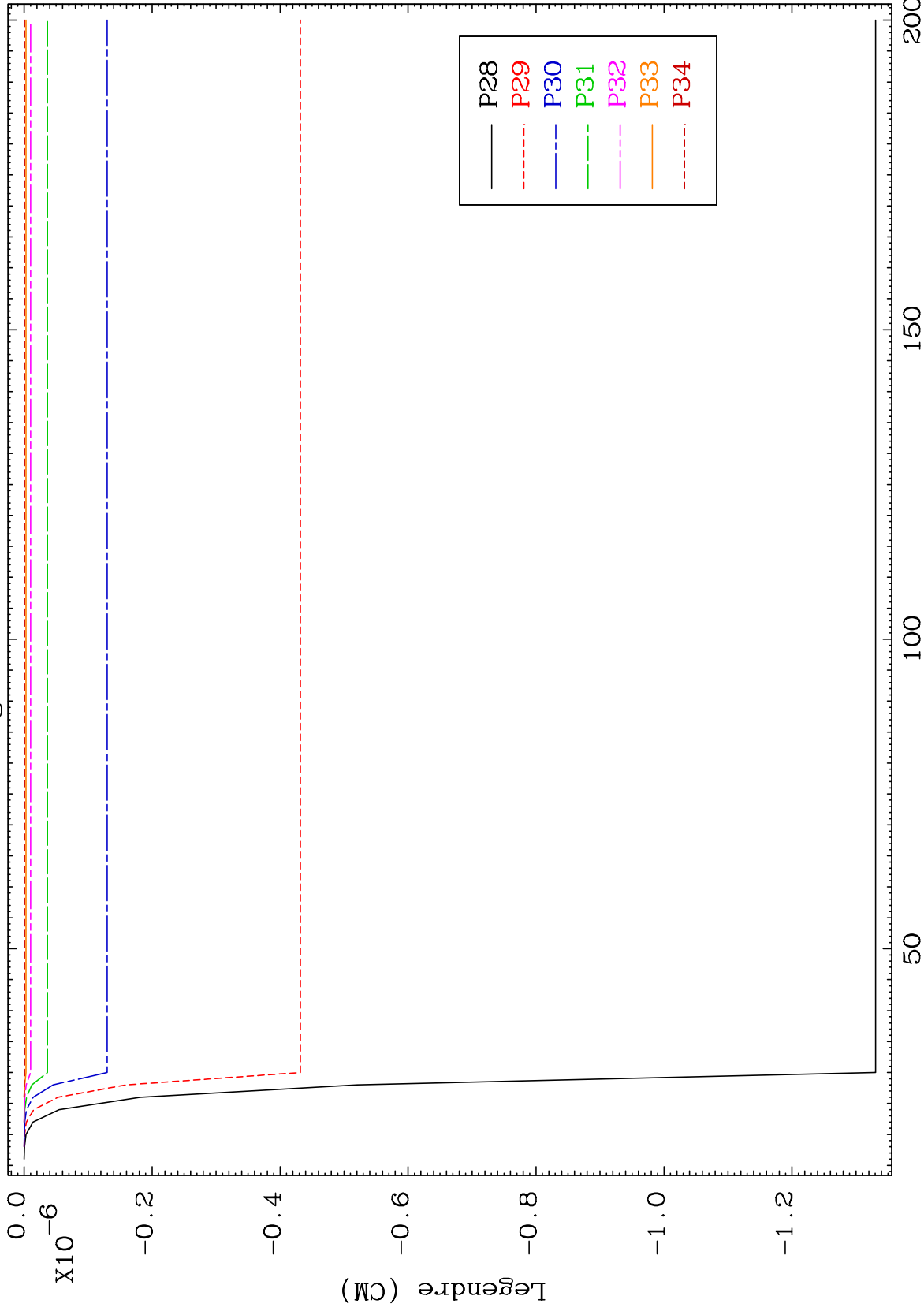


106 44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

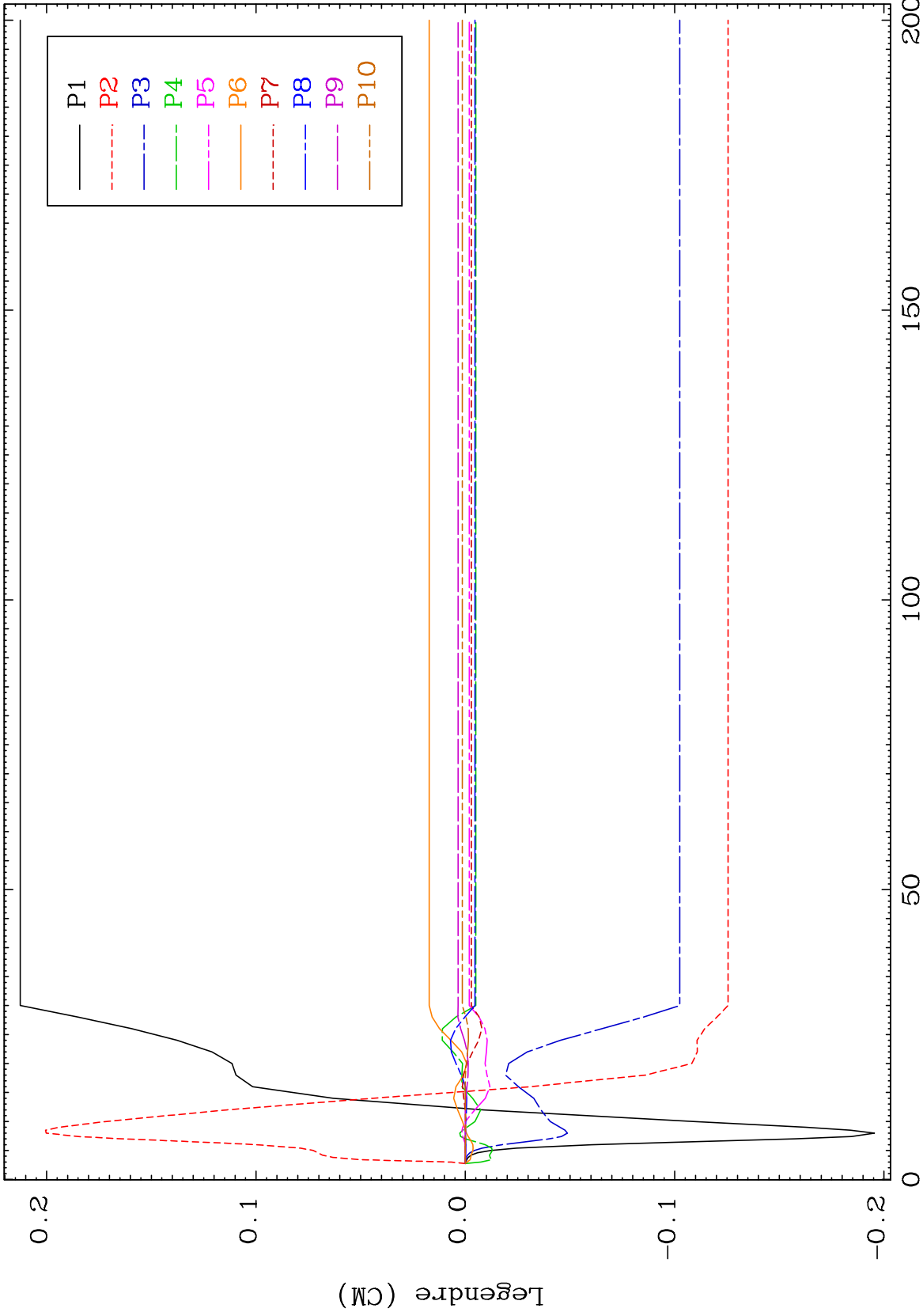
Incident Energy (MeV)

107

MAT 4455

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

44-Ru-106



108

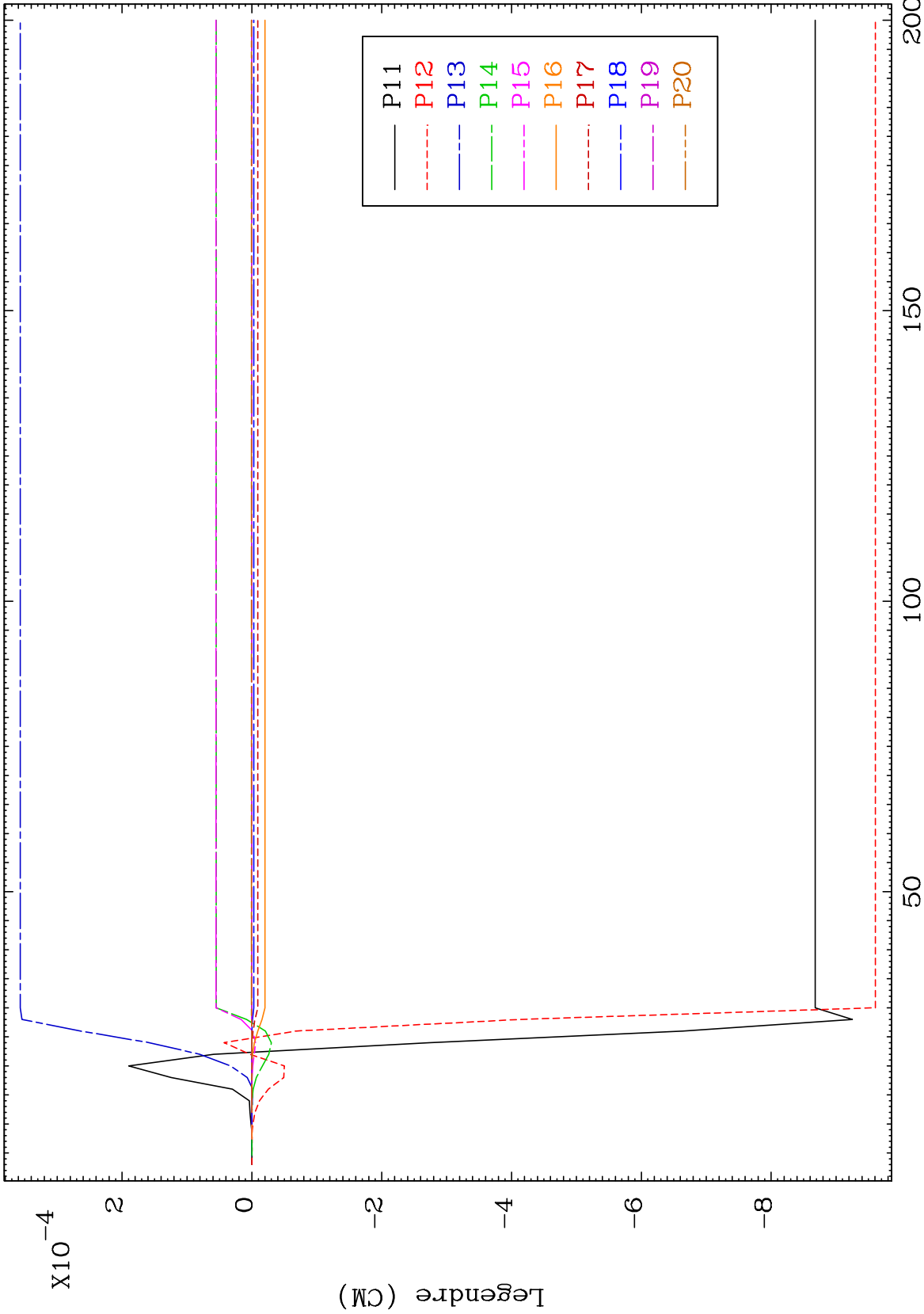
44-Ru-106

44-Ru-106

MAT 4455

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

44-Ru-106



109

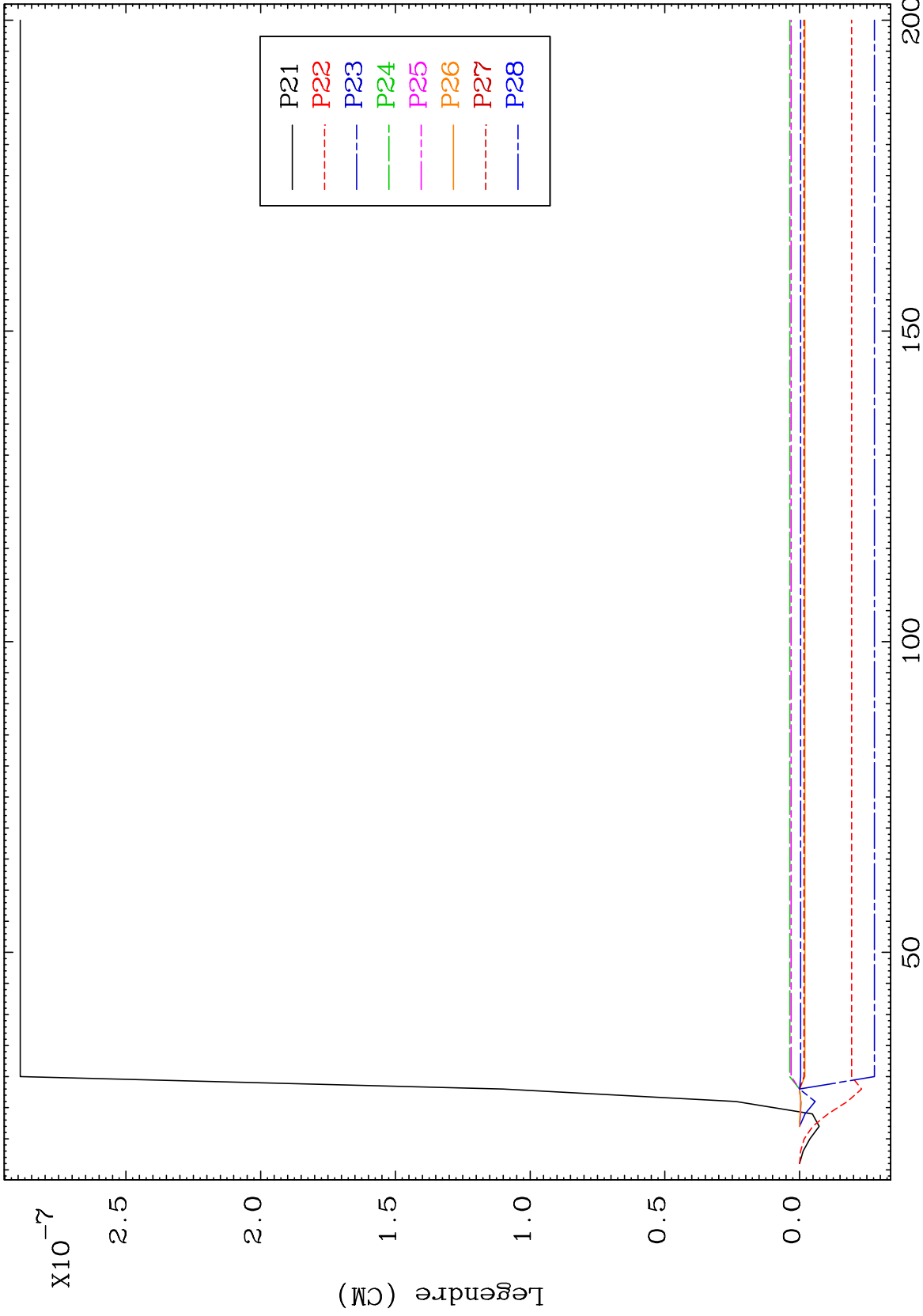
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



110

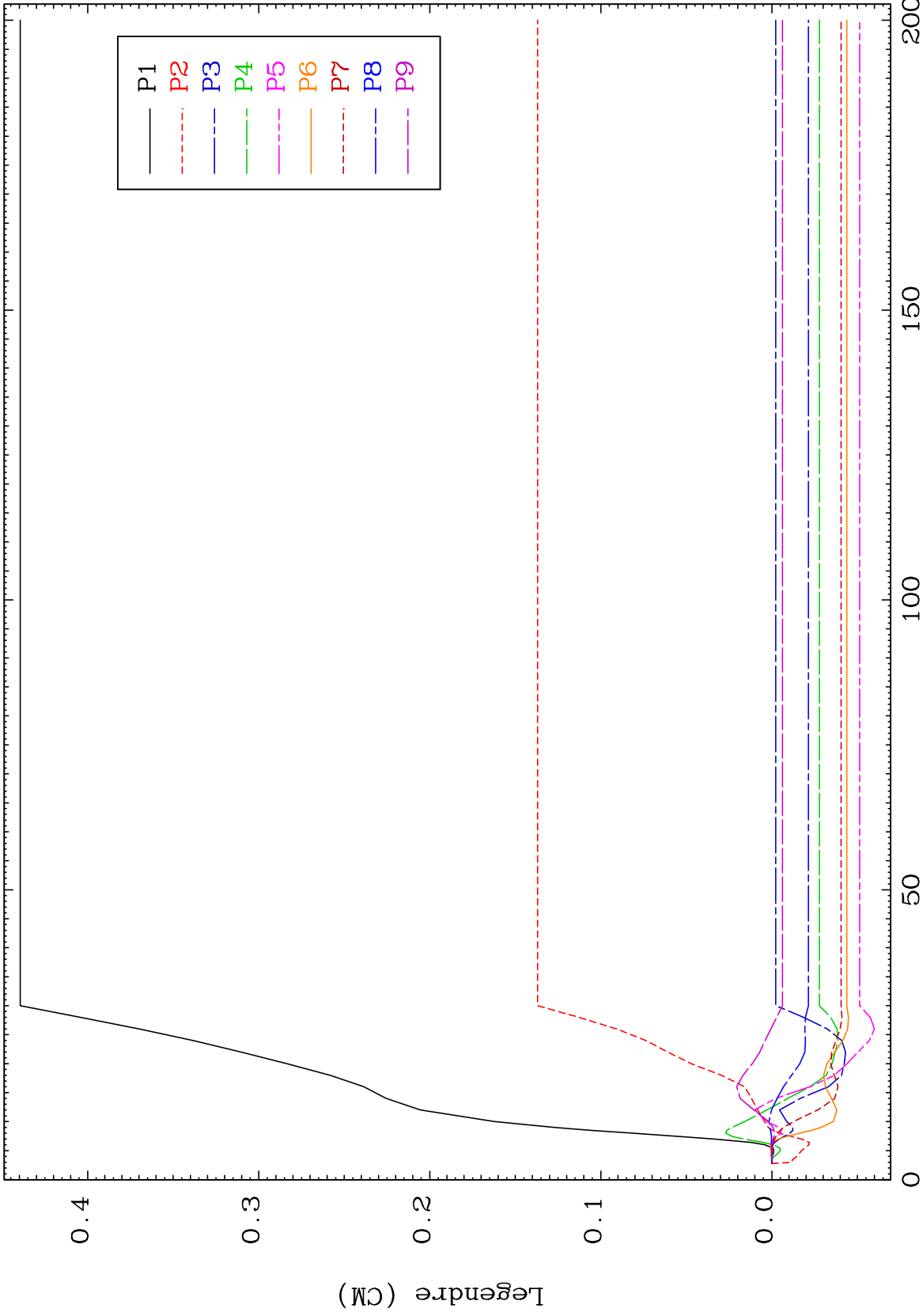
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

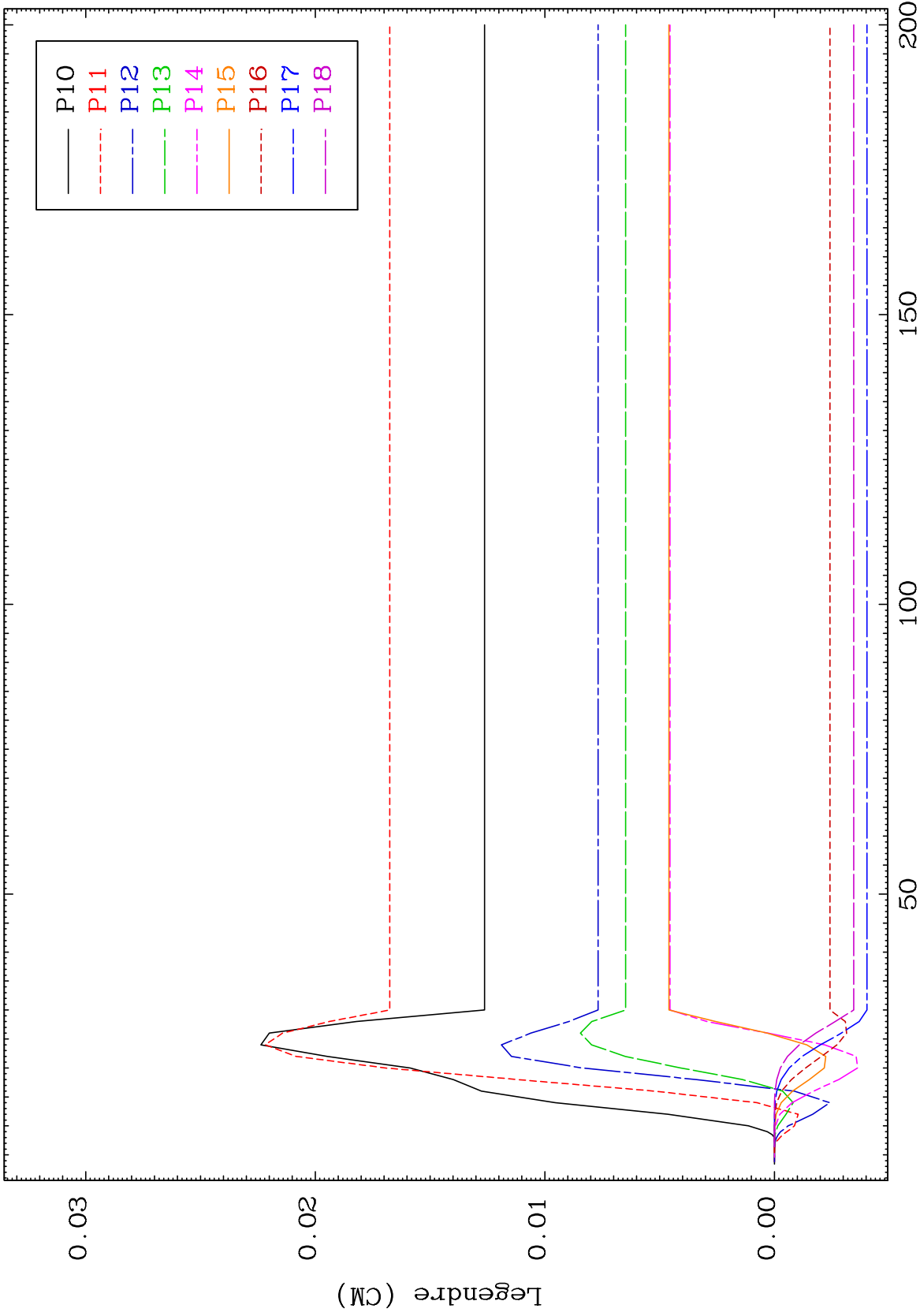
Incident Energy (MeV)

111

MAT 4455

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

44-Ru-106



112

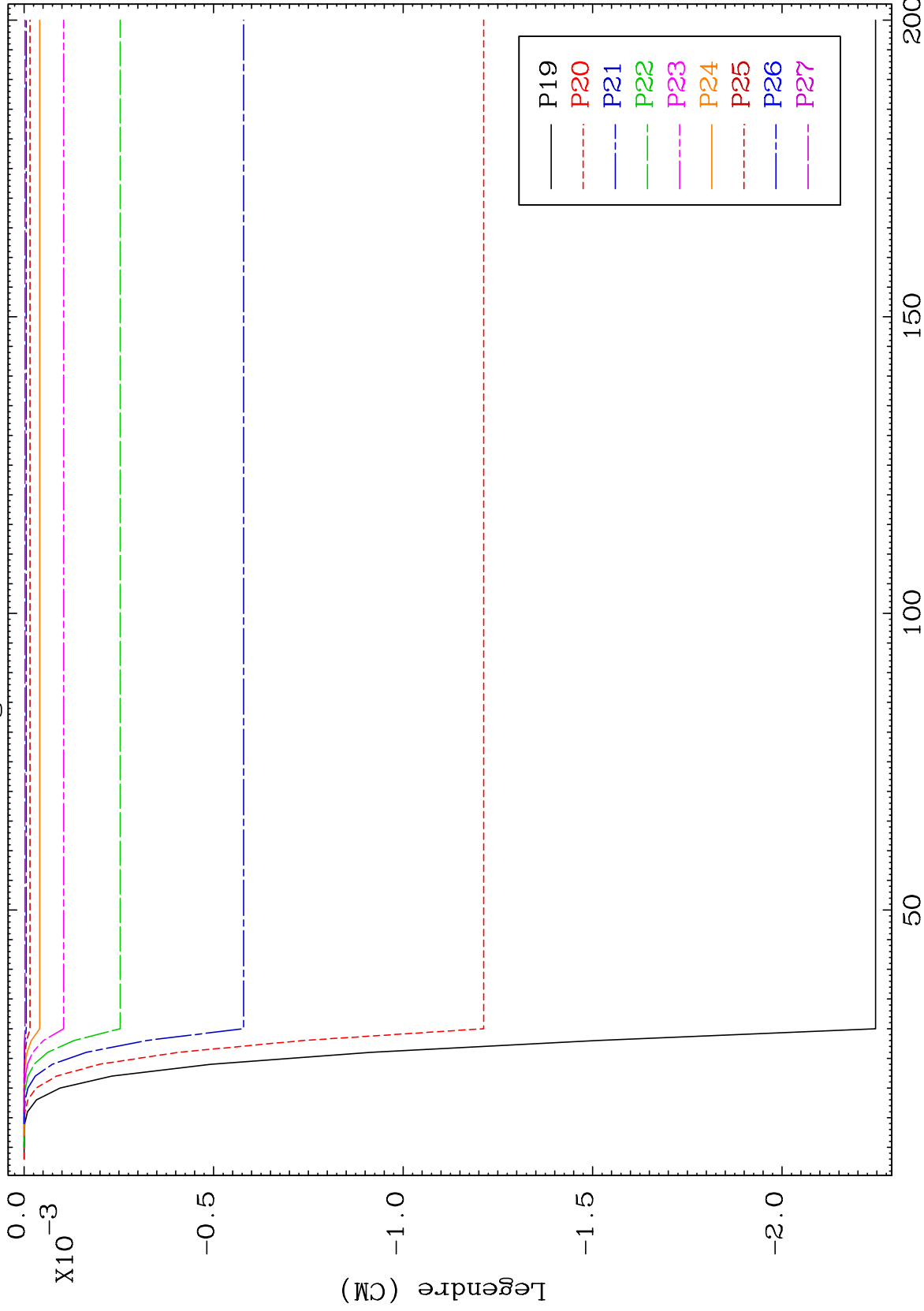
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

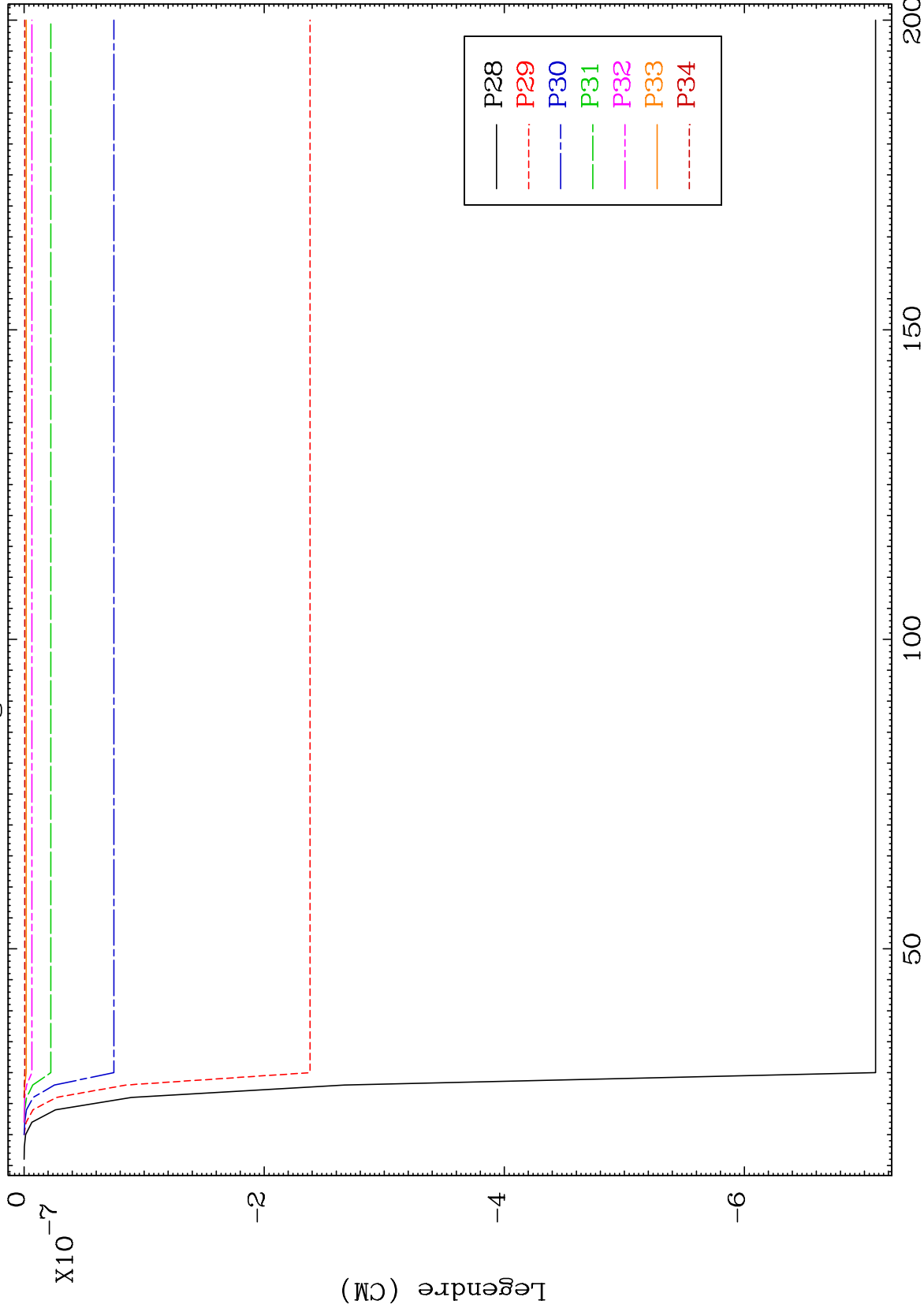
Incident Energy (MeV)

113

MAT 4455

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

44-Ru-106



114

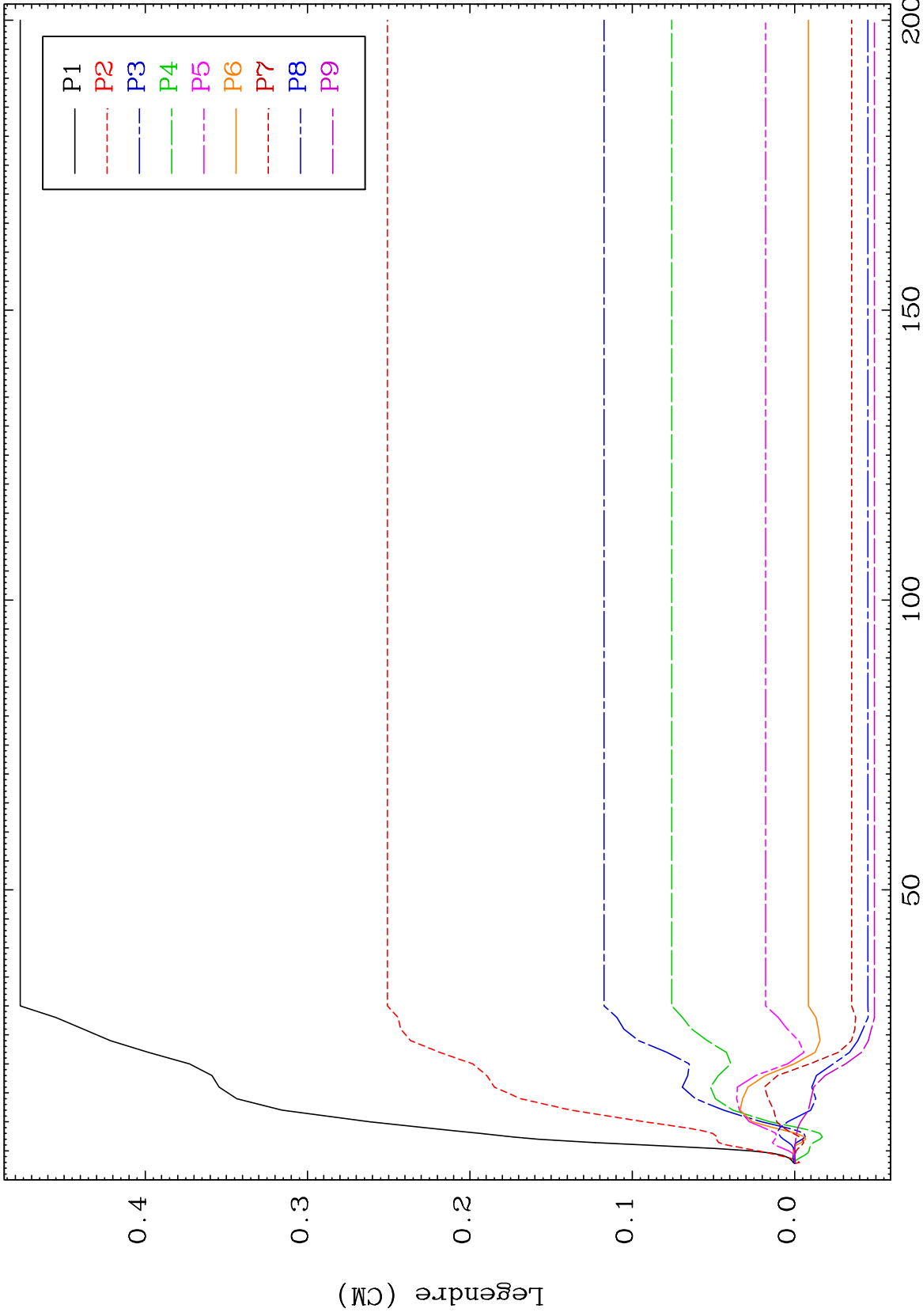
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



115

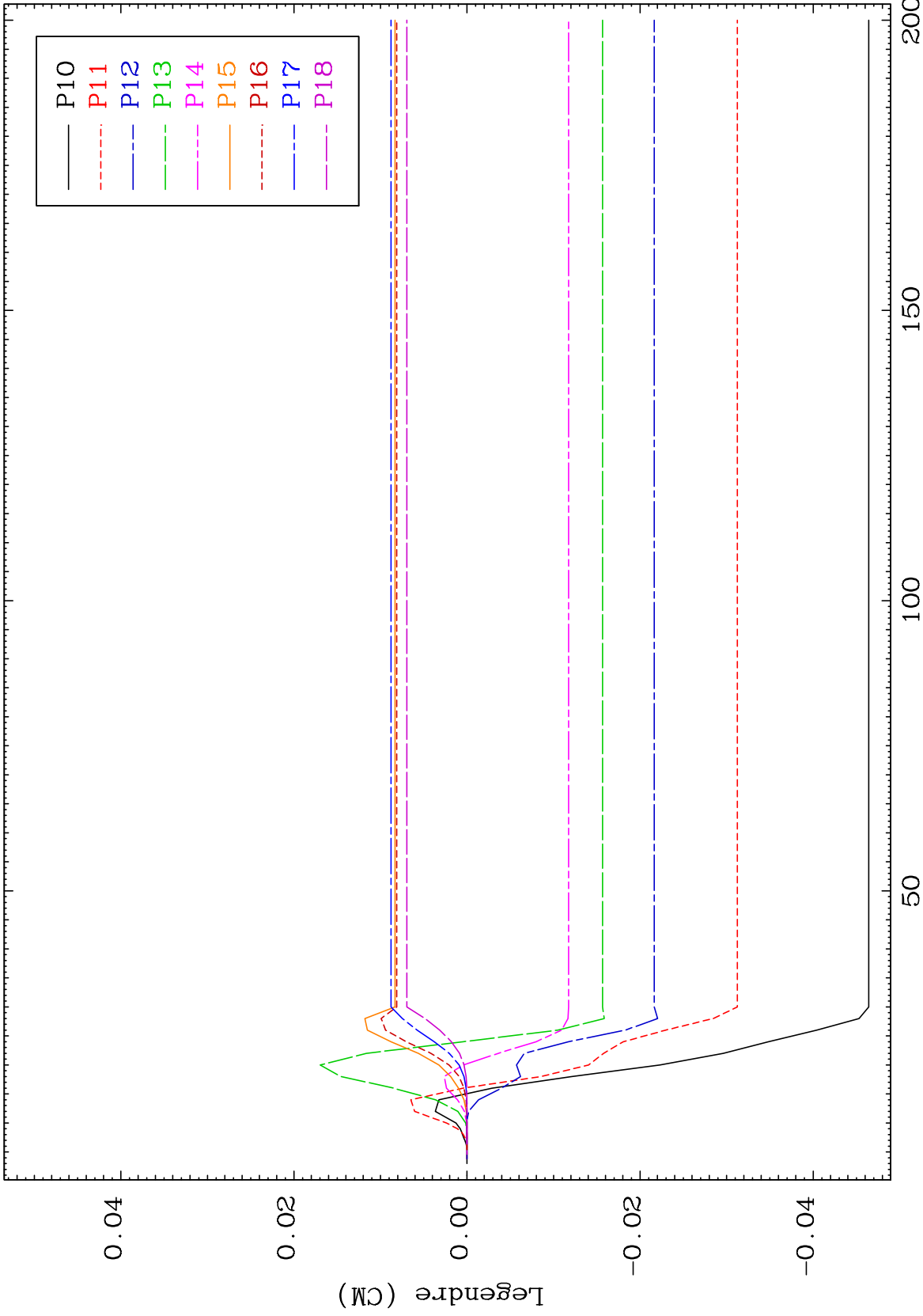
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



116

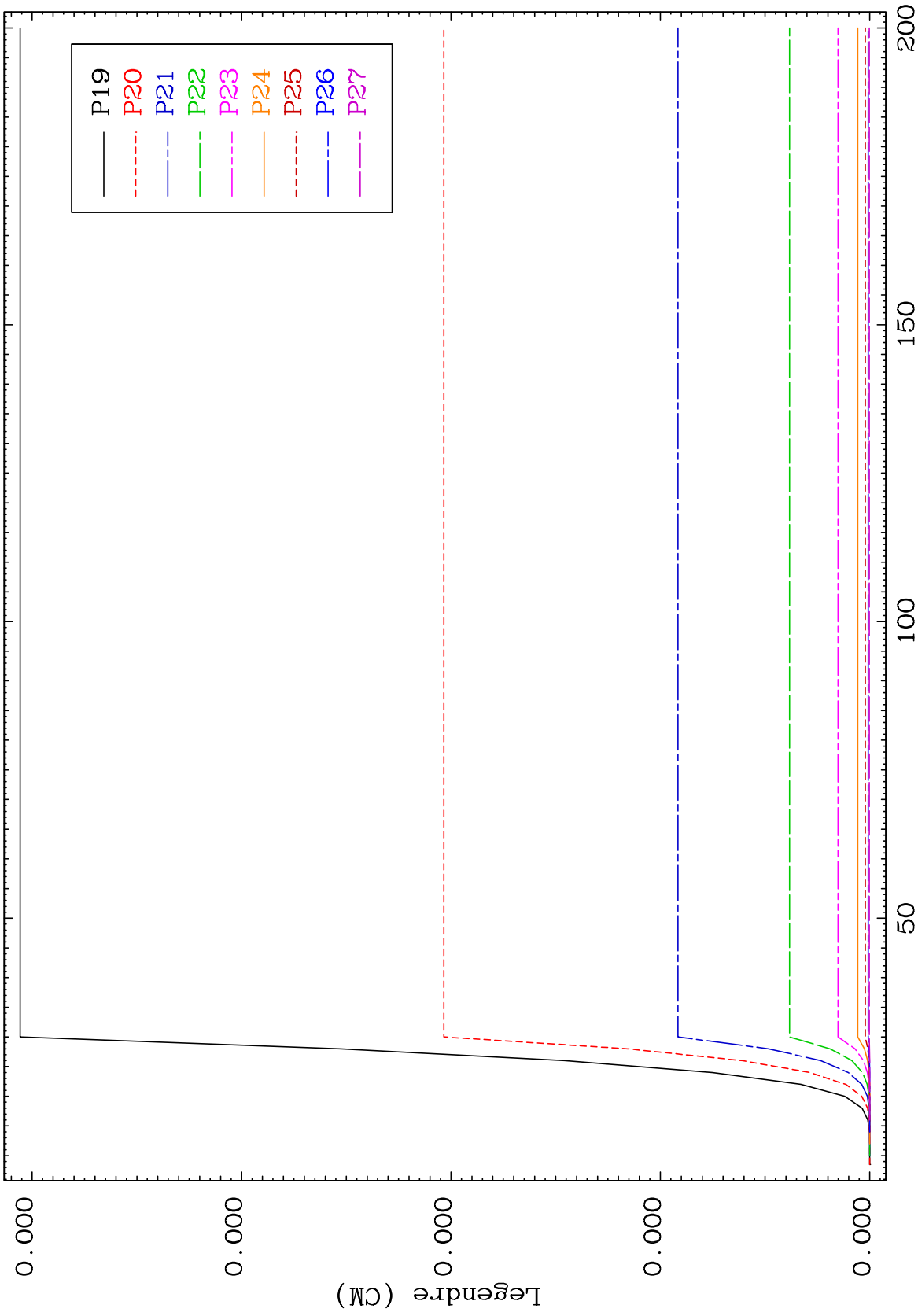
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



117

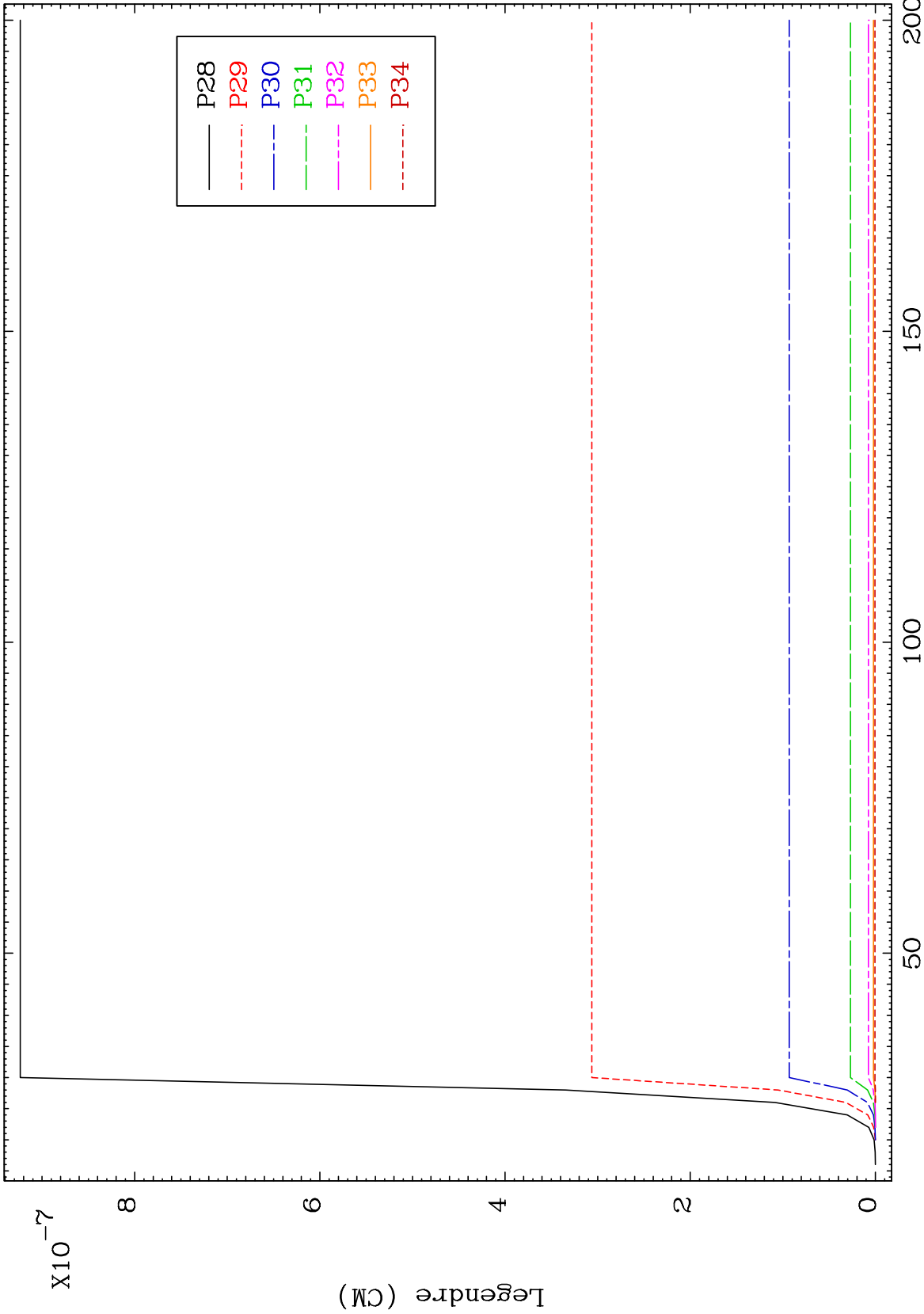
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



118

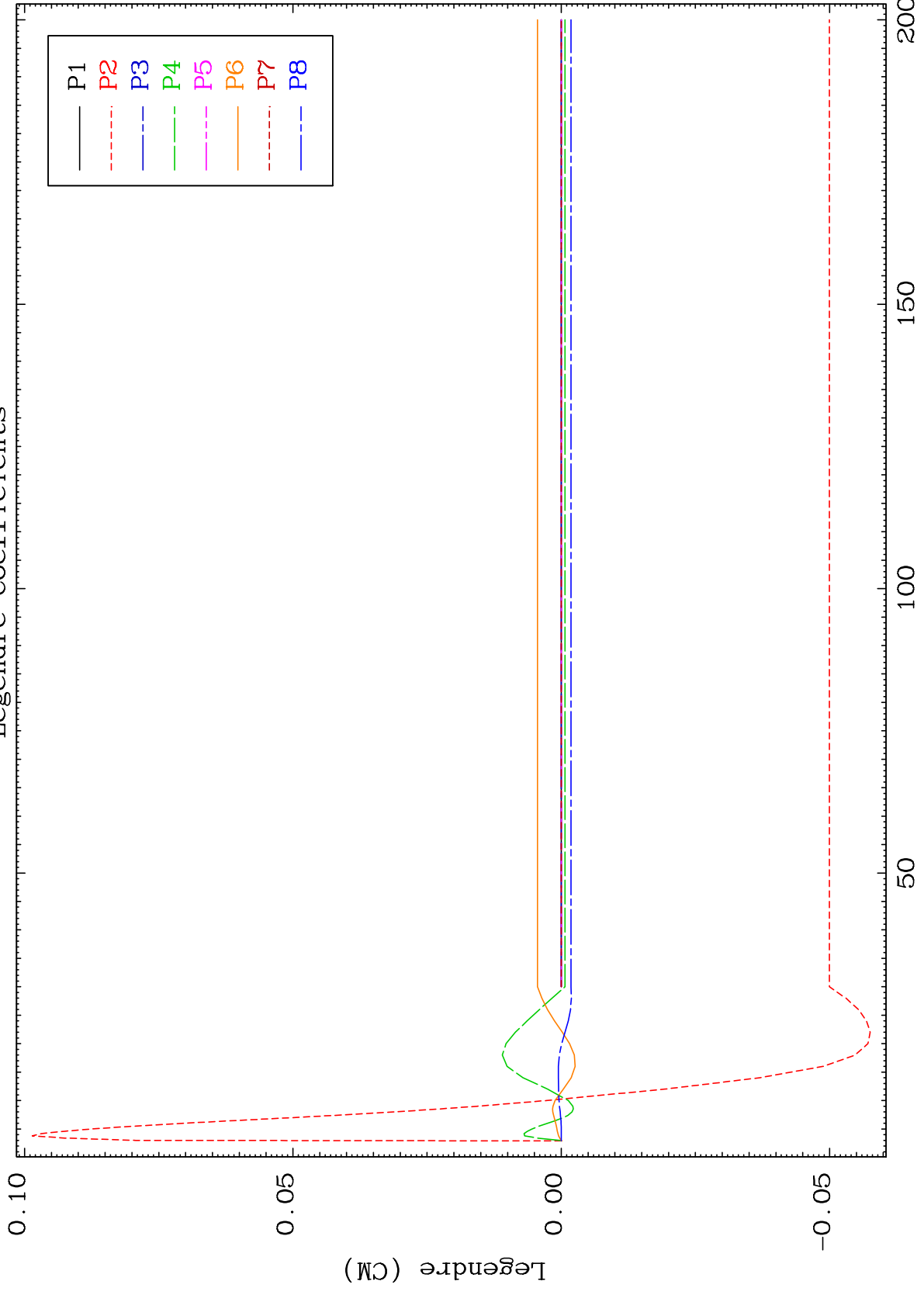
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



119

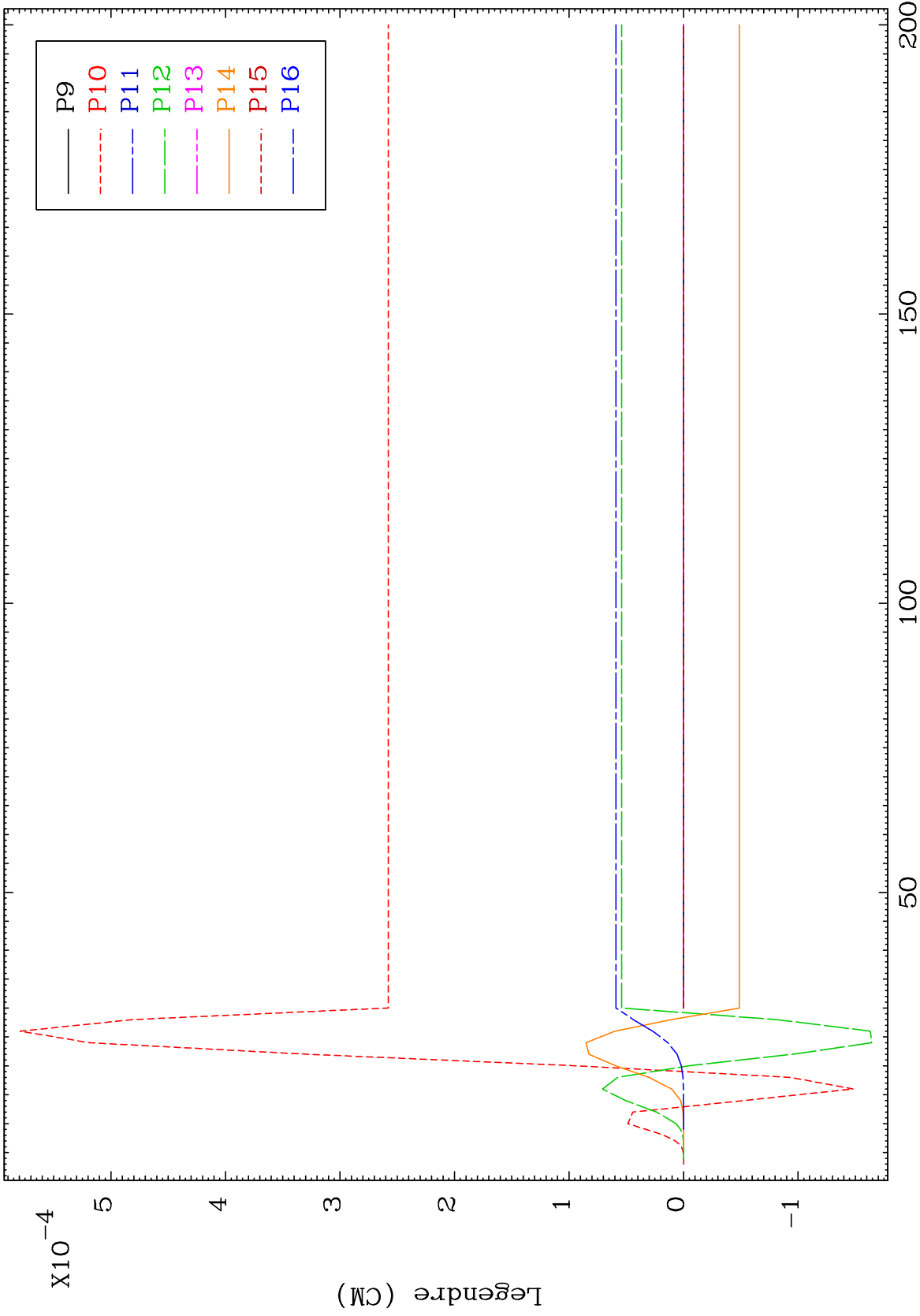
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



120

Incident Energy (MeV)

50

100

150

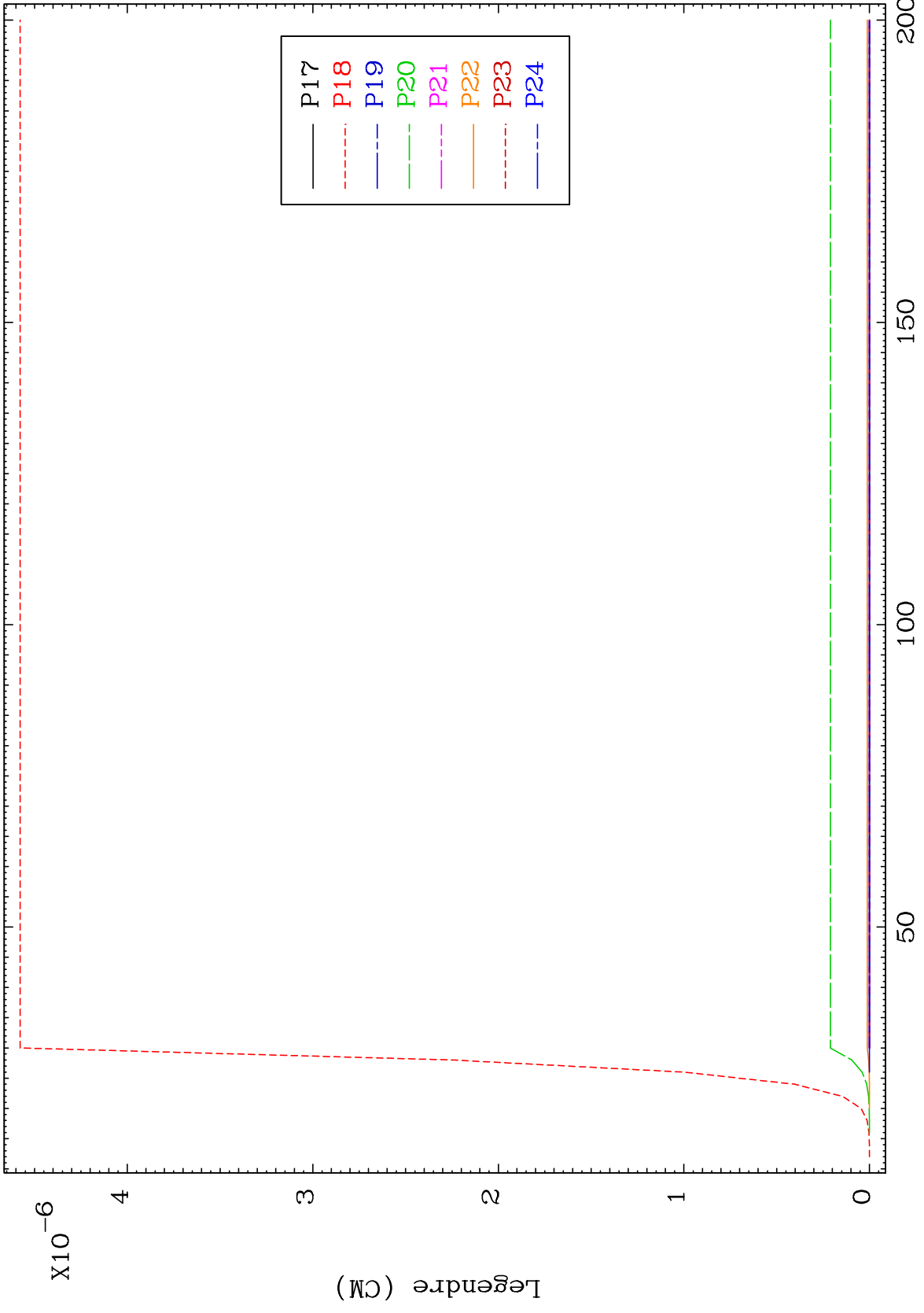
200

44-Ru-106

MAT 4455

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

44-Ru-106



121

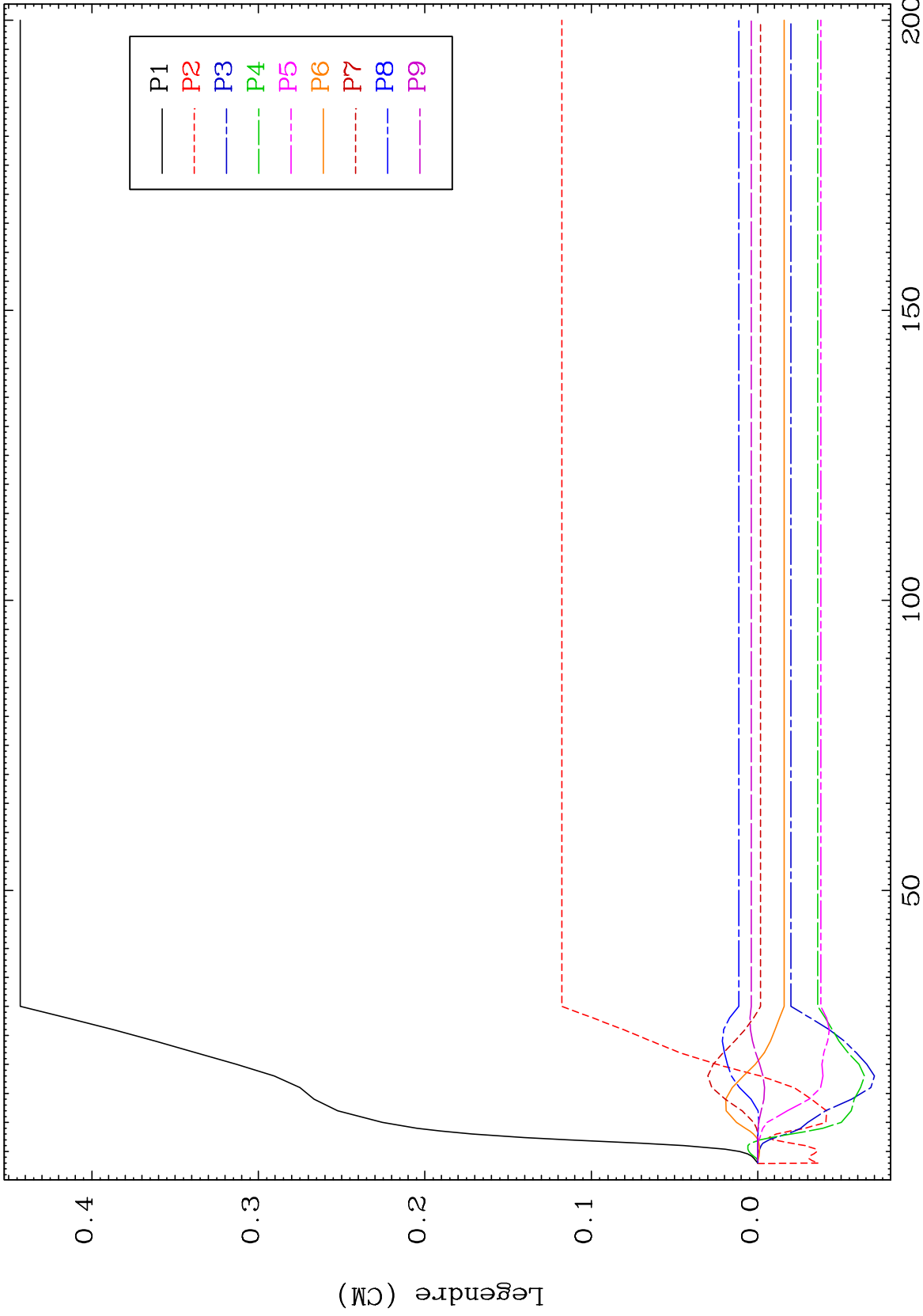
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



122

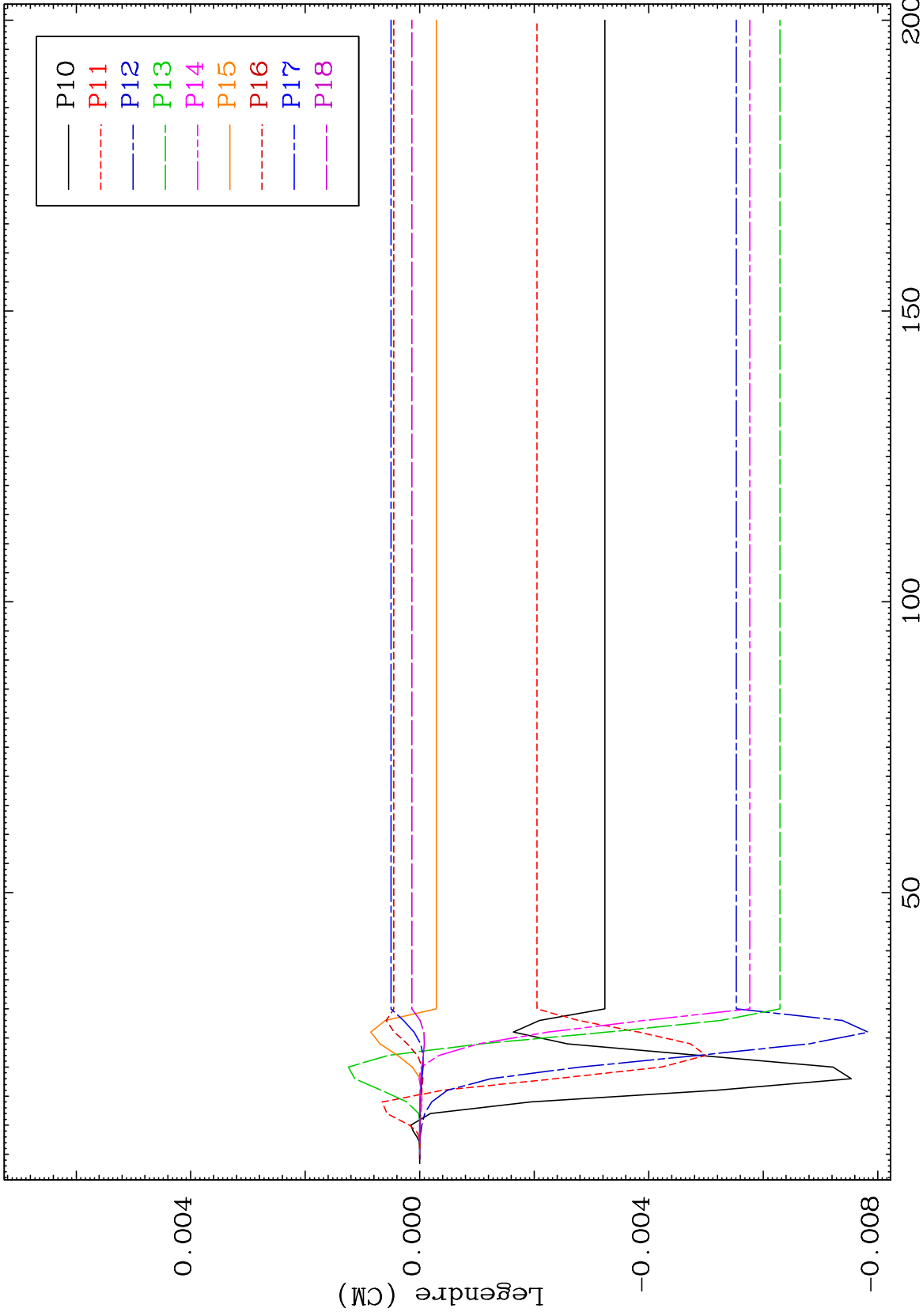
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



123

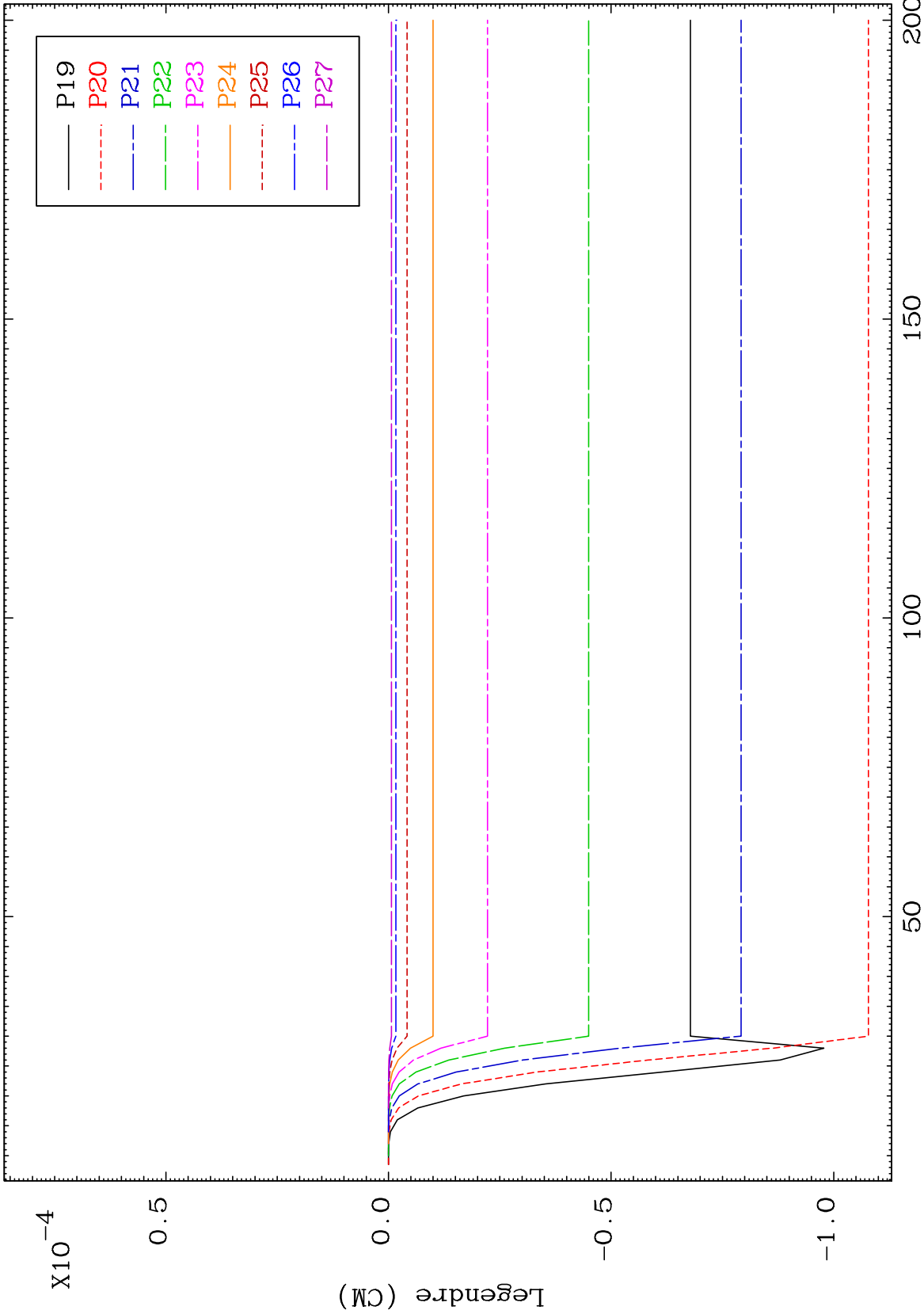
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



124

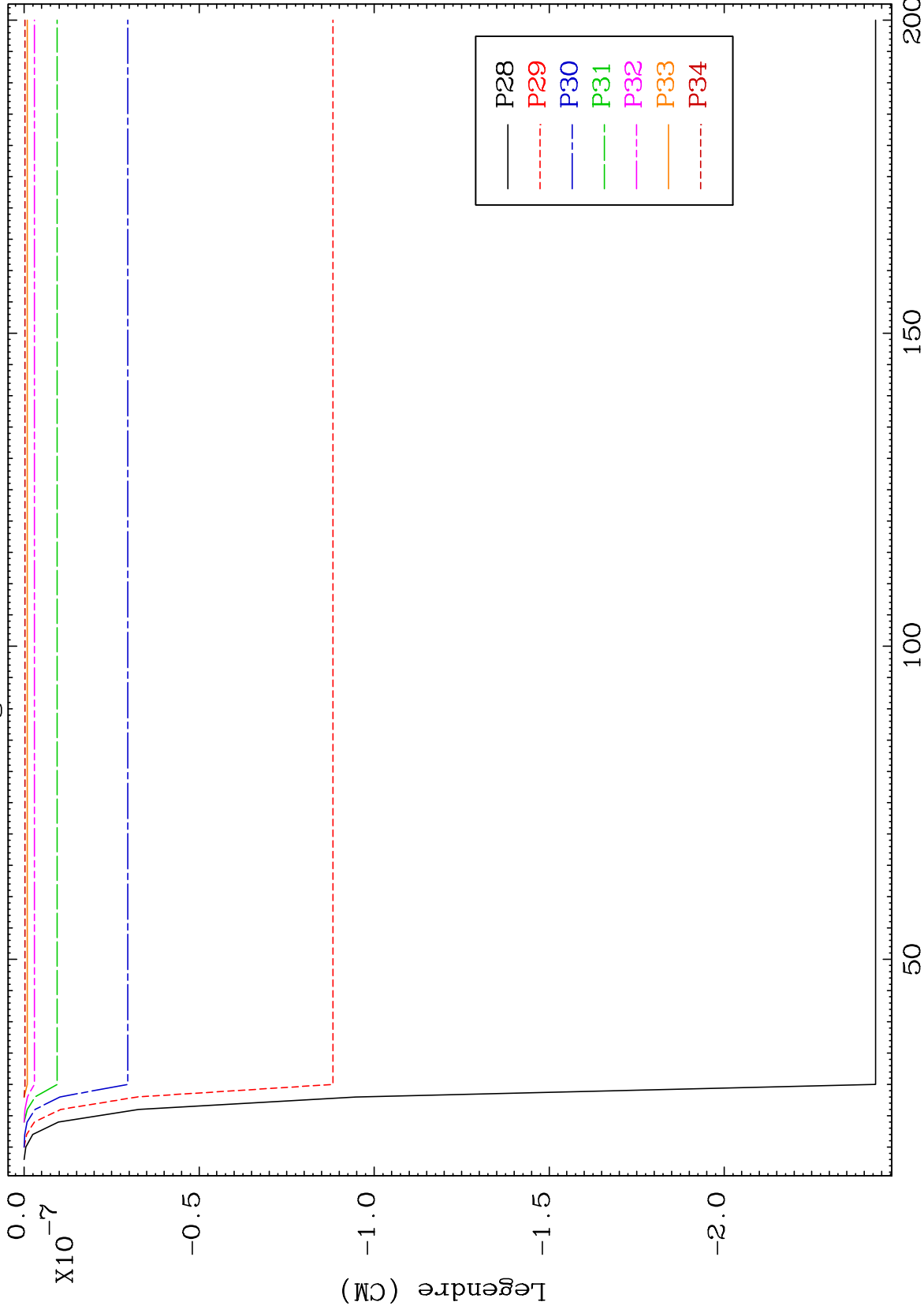
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



44-Ru-106

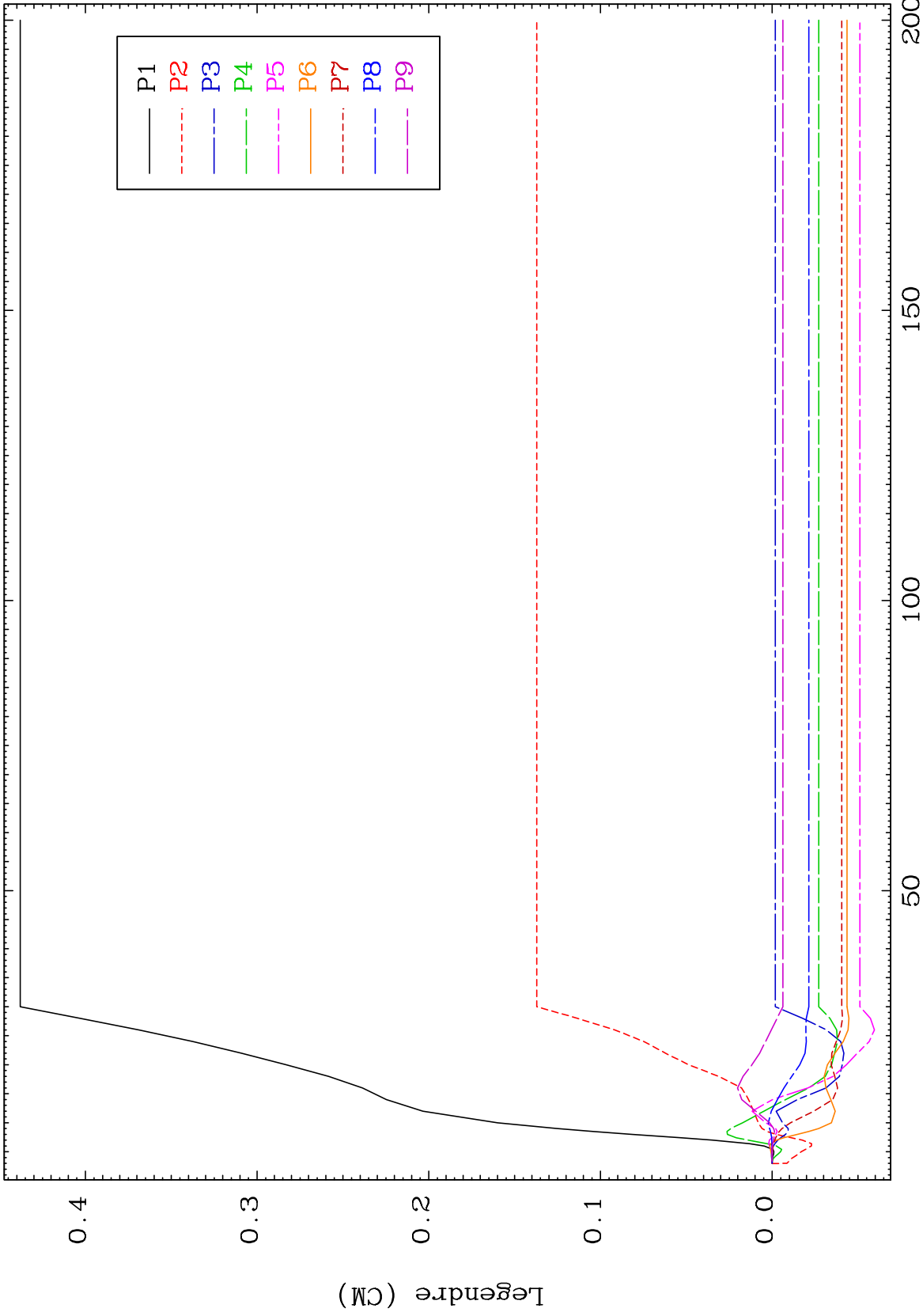
Incident Energy (MeV)

125

MAT 4455

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

44-Ru-106



126

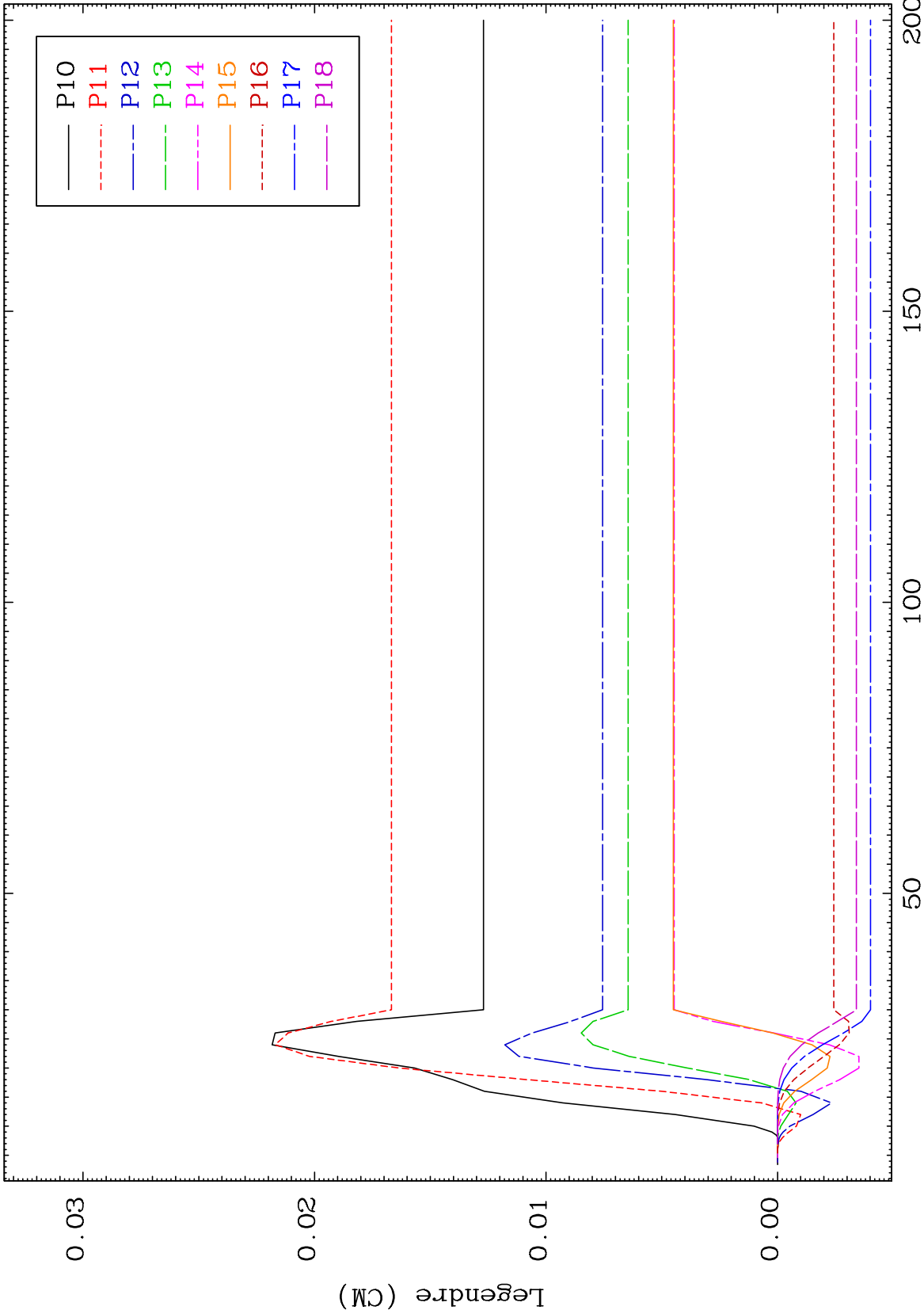
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



127

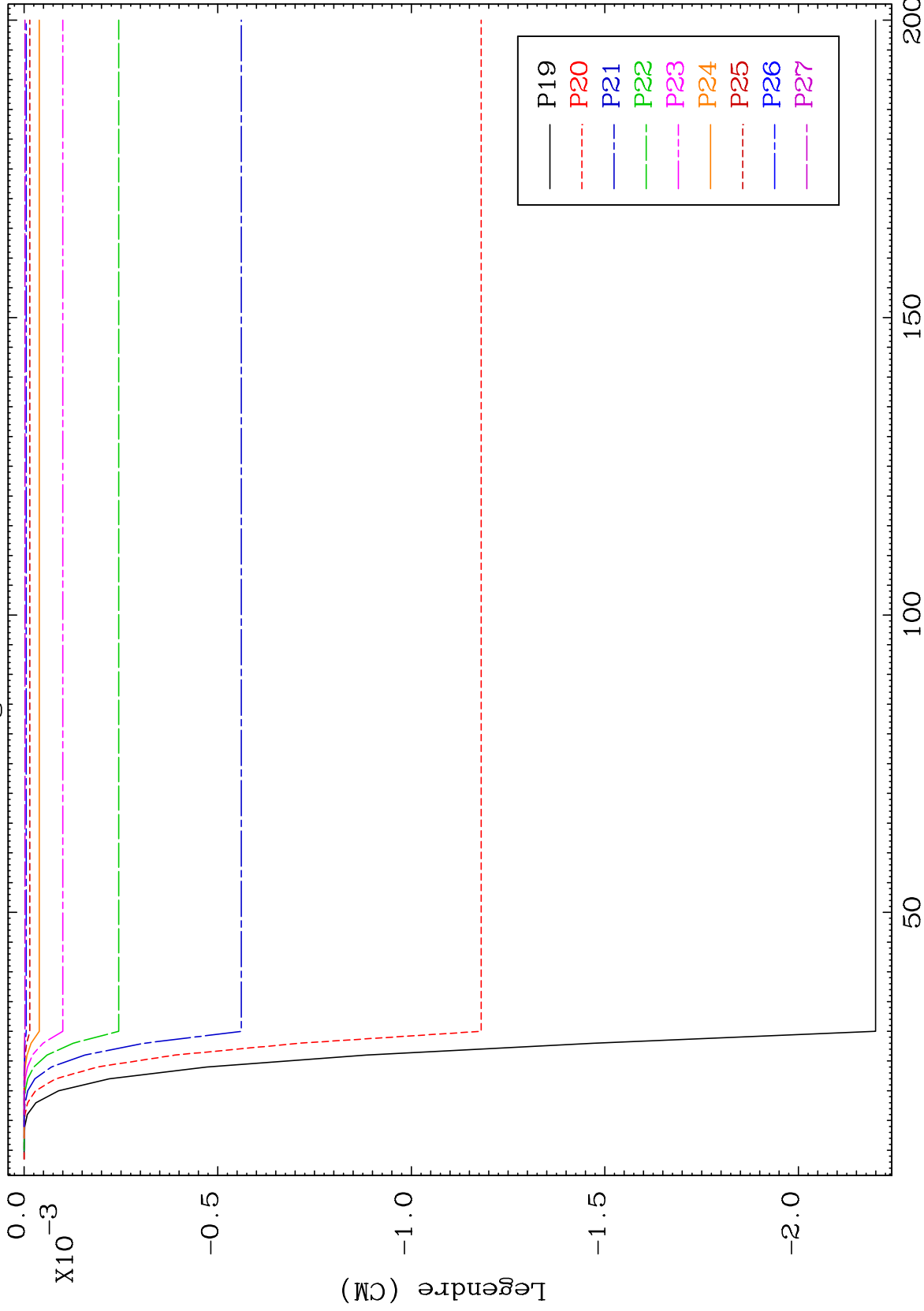
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



128

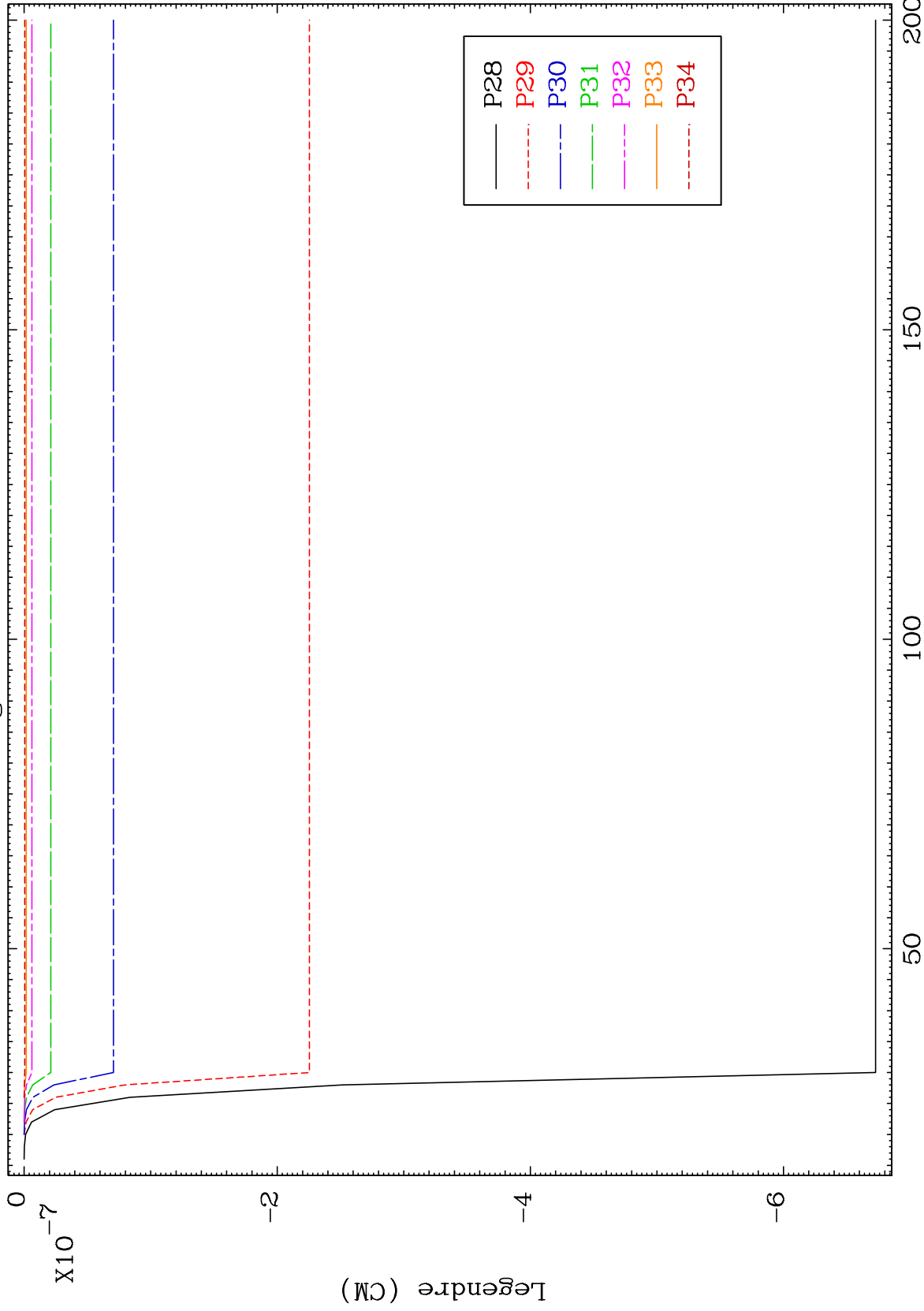
Incident Energy (MeV)

44-Ru-106

MAT 4455

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

44-Ru-106



129

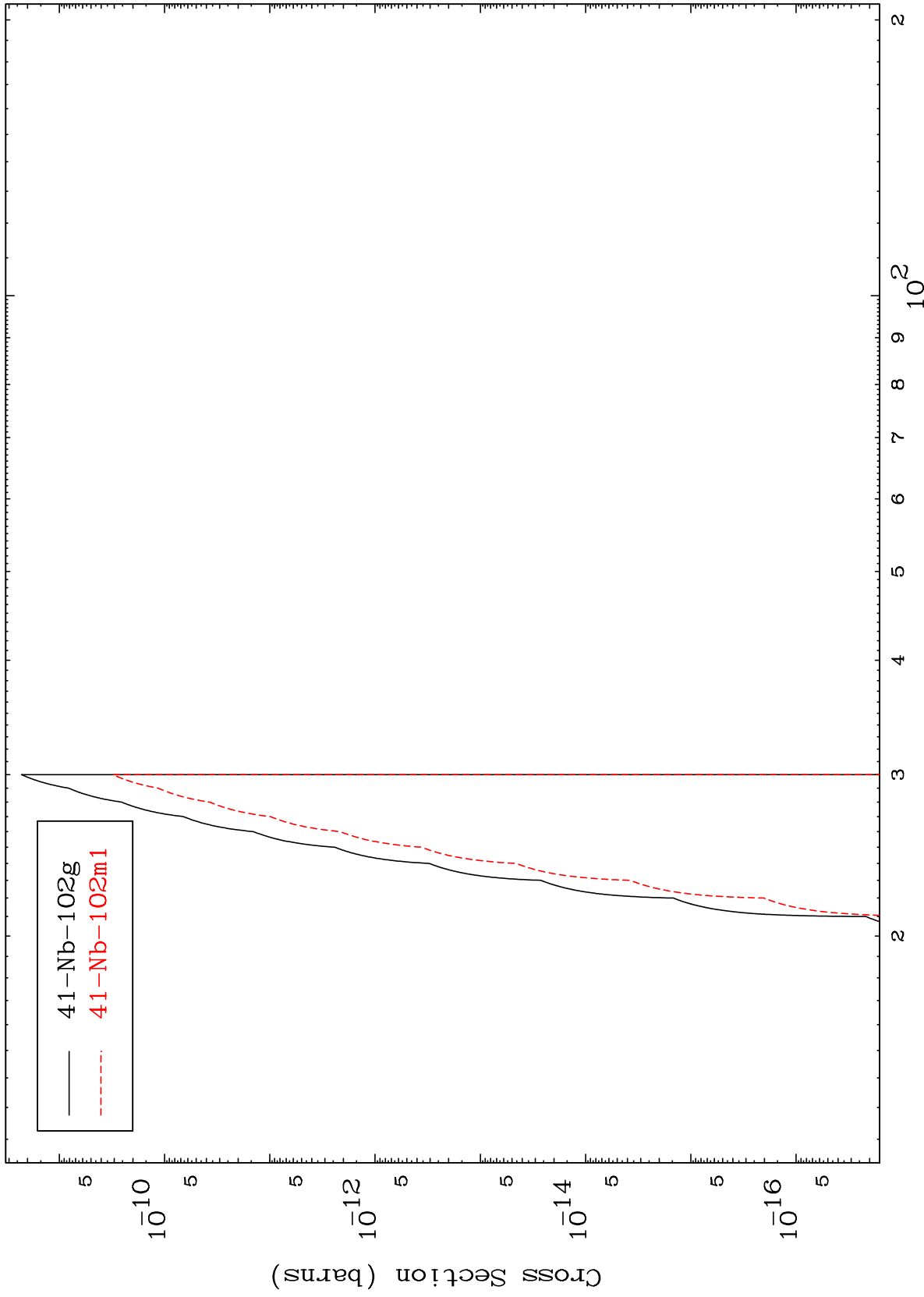
44-Ru-106

MAT 4455

(n,p) α

44-Ru-106

Radionuclide Production Cross Section



130

Incident Energy (MeV)

44-Ru-106