

Program EVALPLOT
(Version 2017-1)

by

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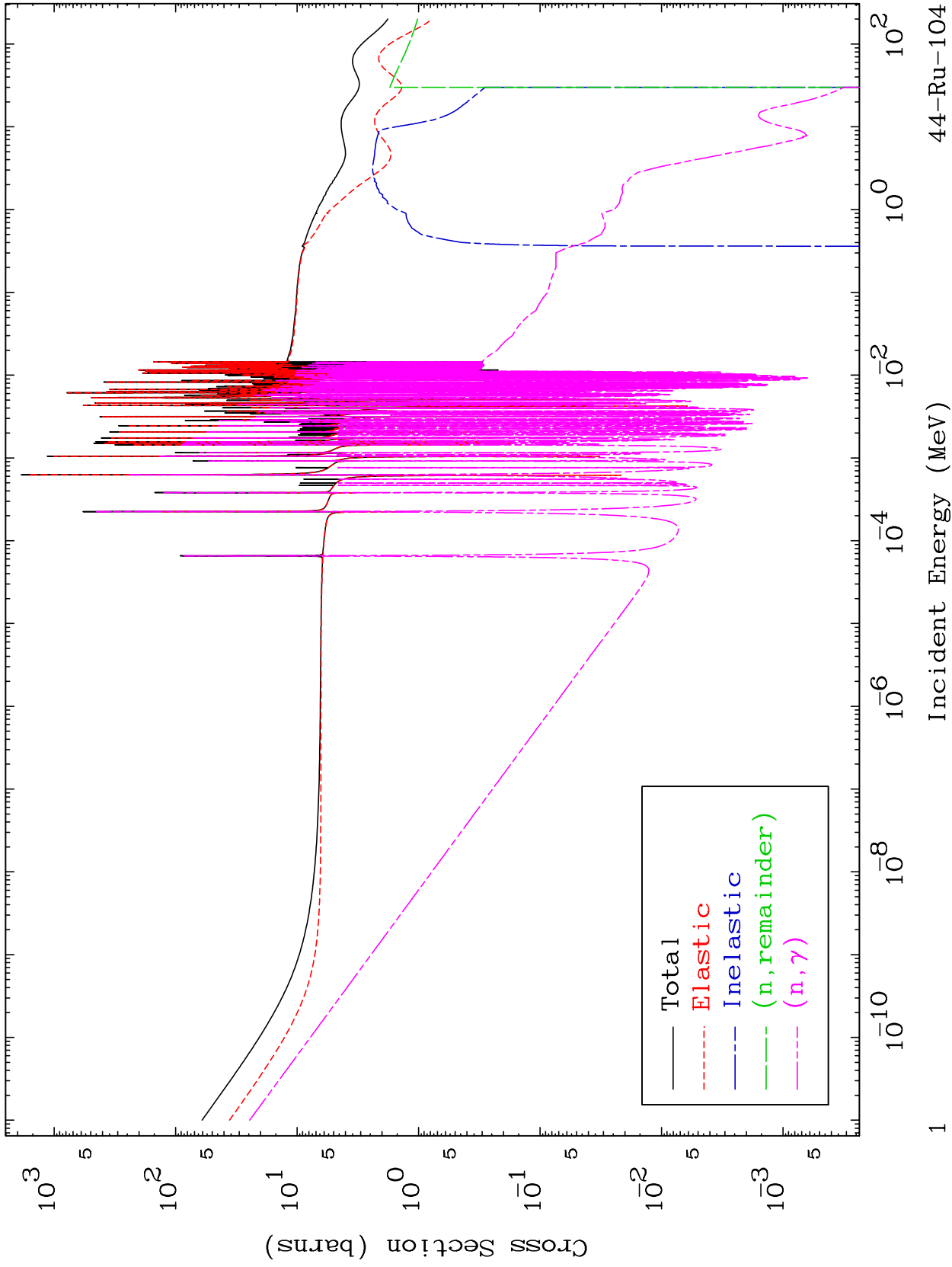
Press Mouse Button to Start

MAT 4449

Major

293 Kelvin Cross Sections

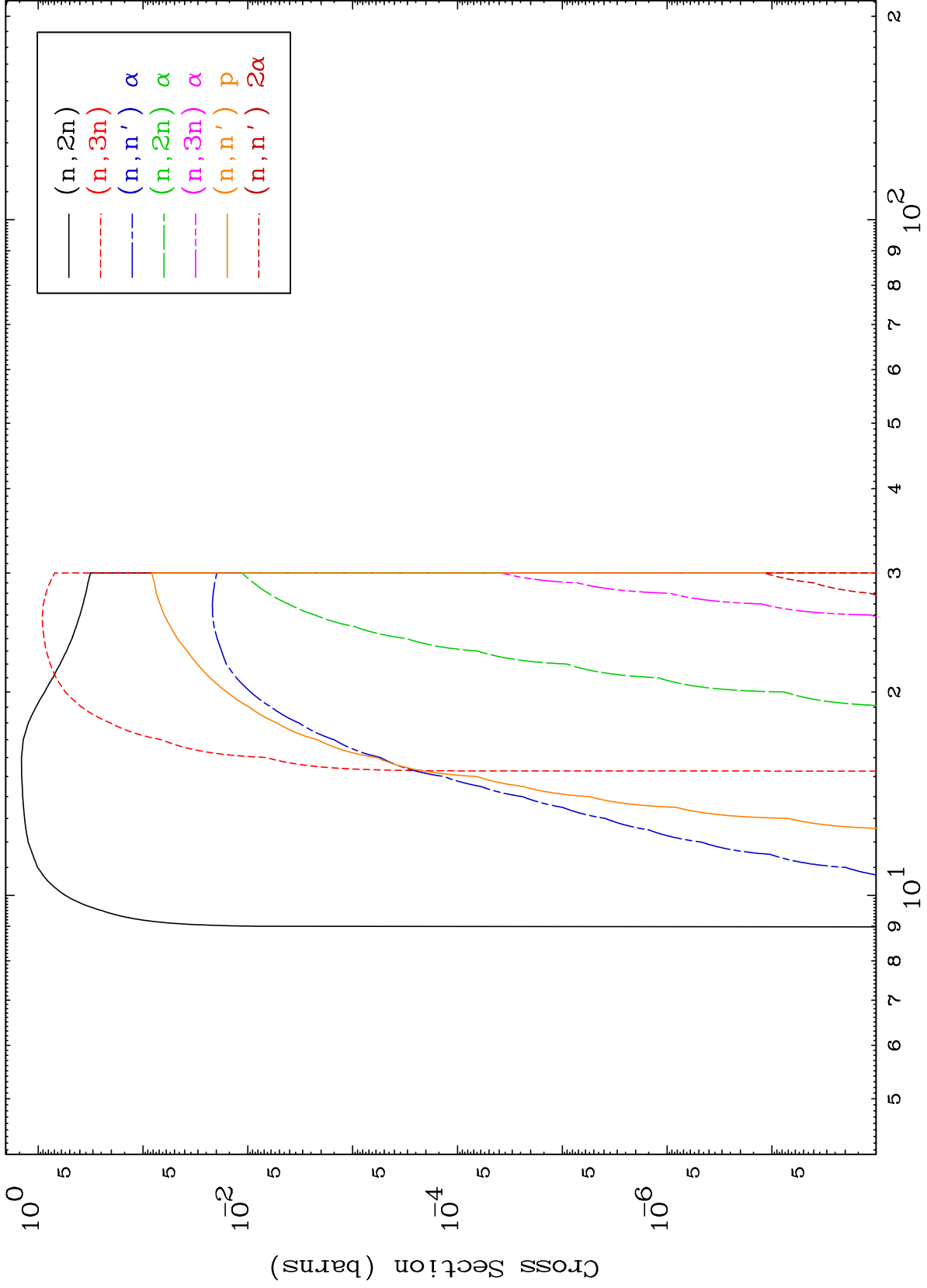
44-Ru-104

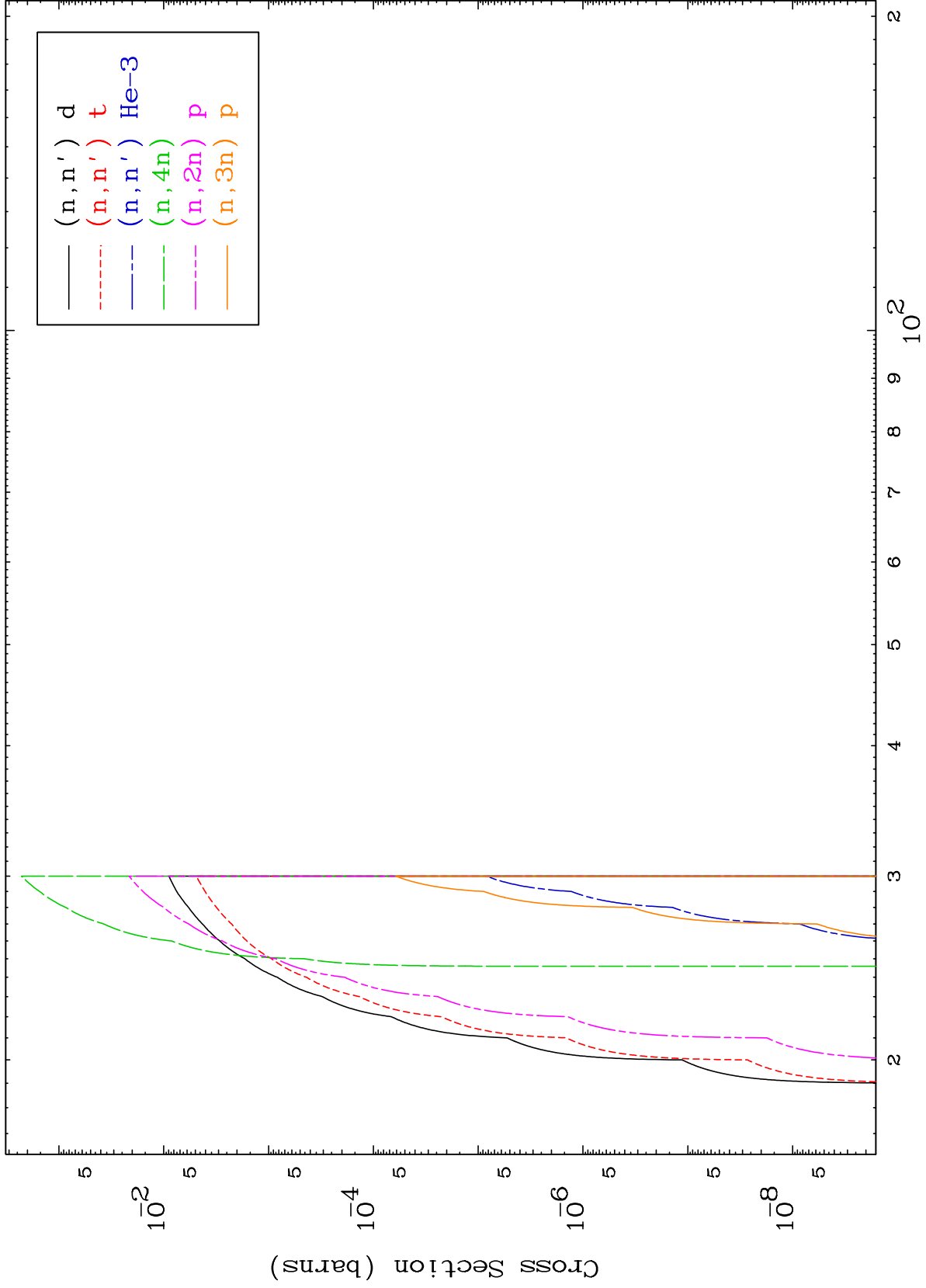


MAT 4449

Neutron Production
293 Kelvin Cross Sections

44-Ru-104

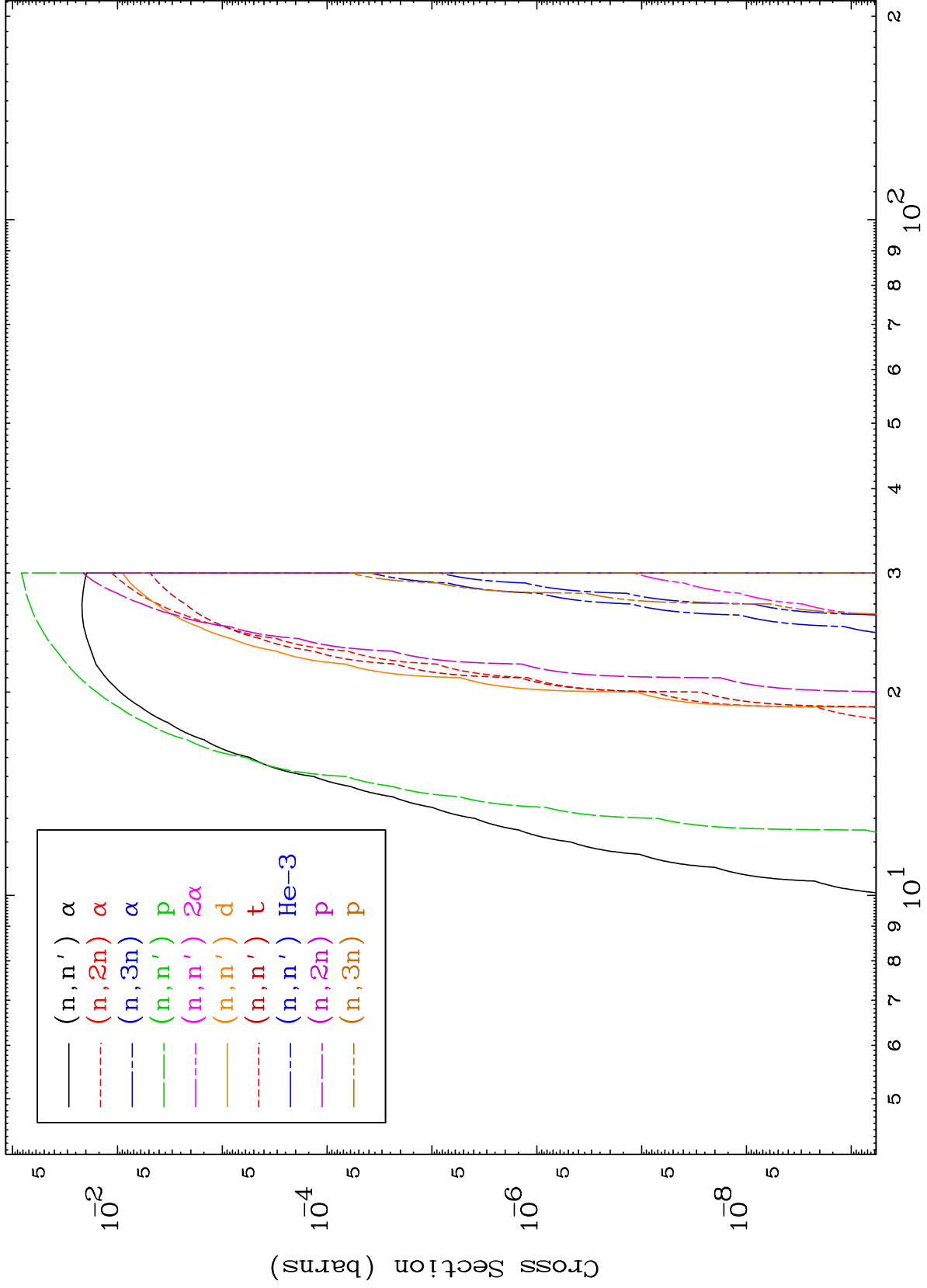




MAT 4449

Charged Particle
293 Kelvin Cross Sections

44-Ru-104



4

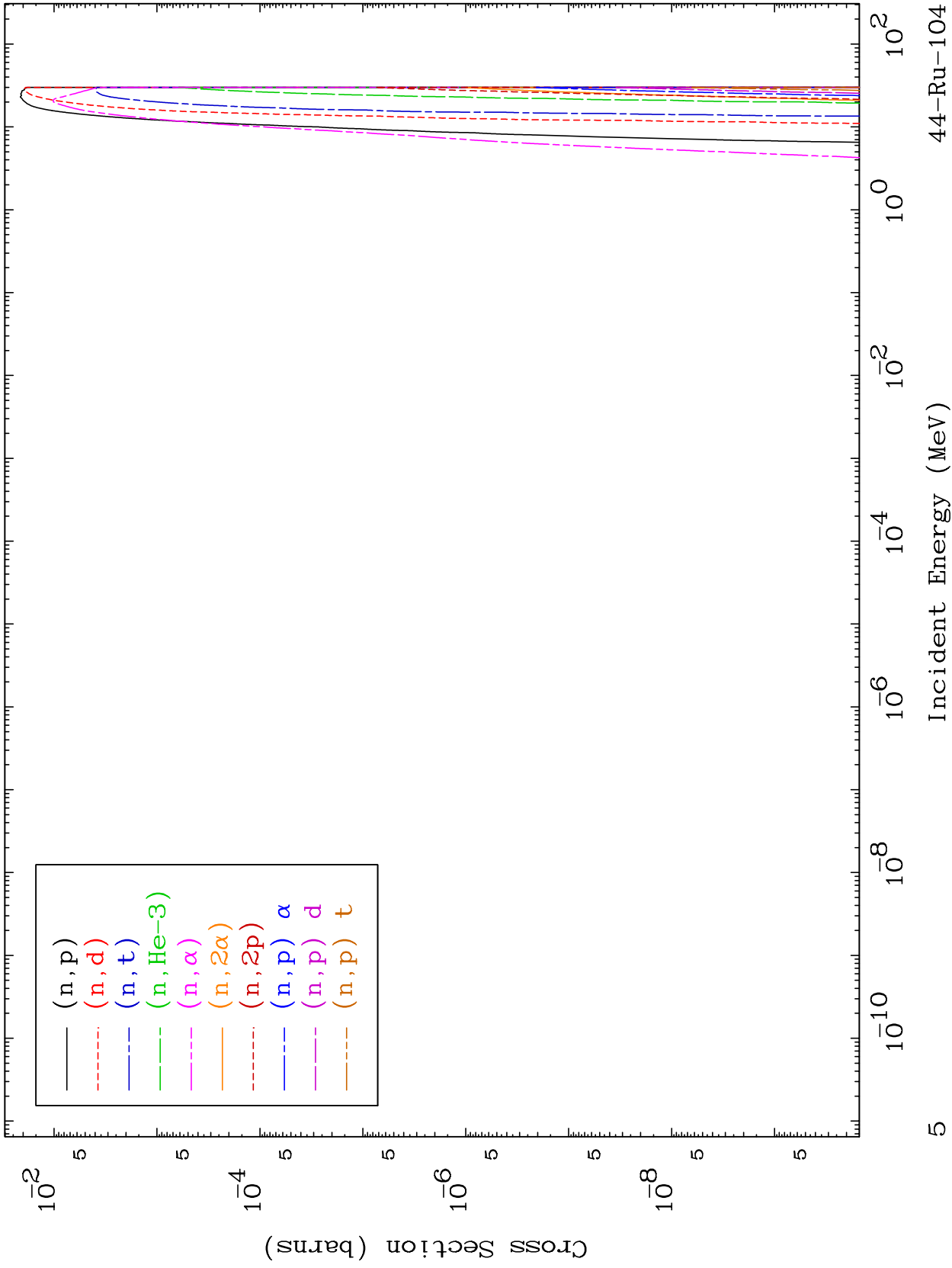
Incident Energy (MeV)

44-Ru-104

MAT 4449

Charged Particle
293 Kelvin Cross Sections

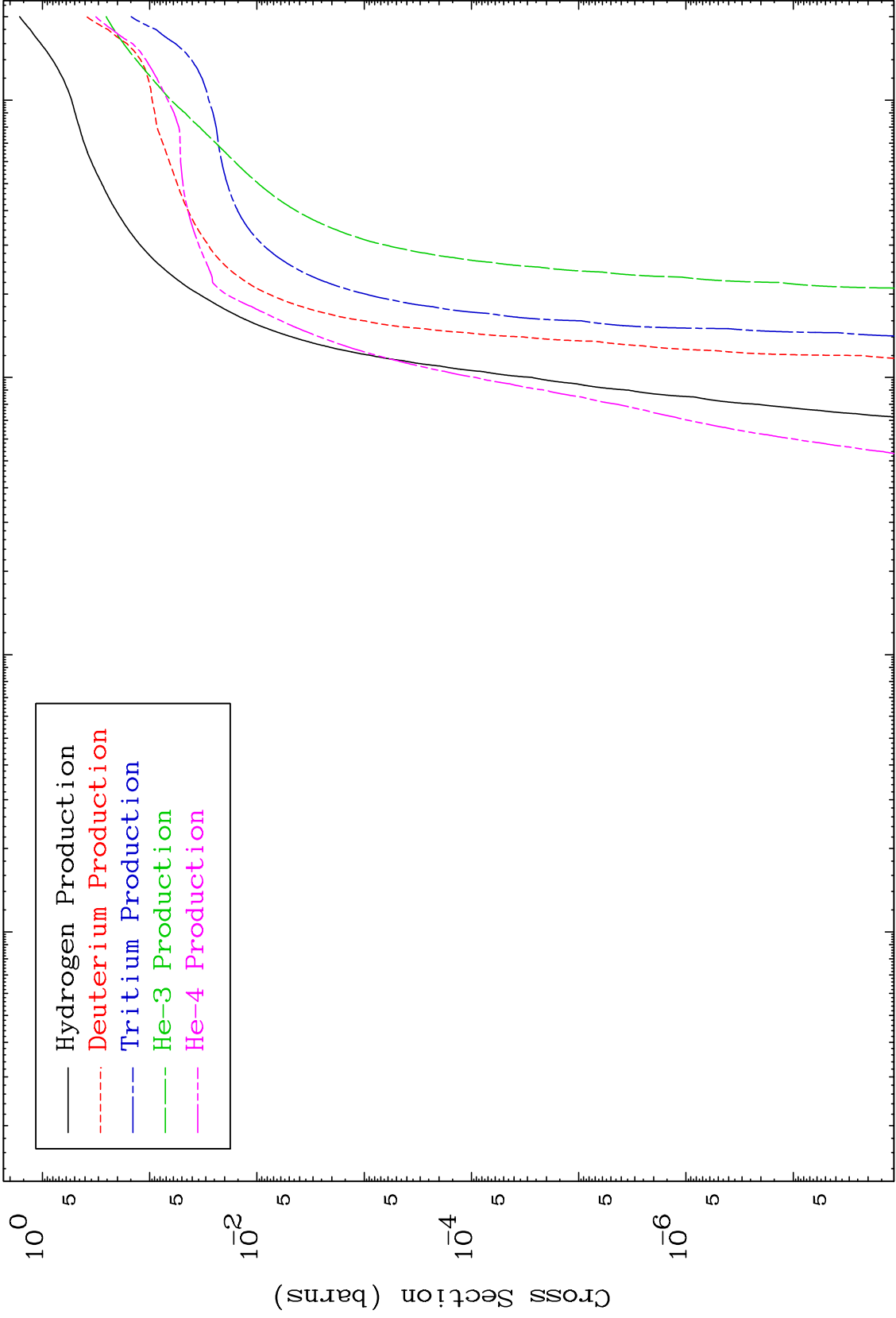
44-Ru-104



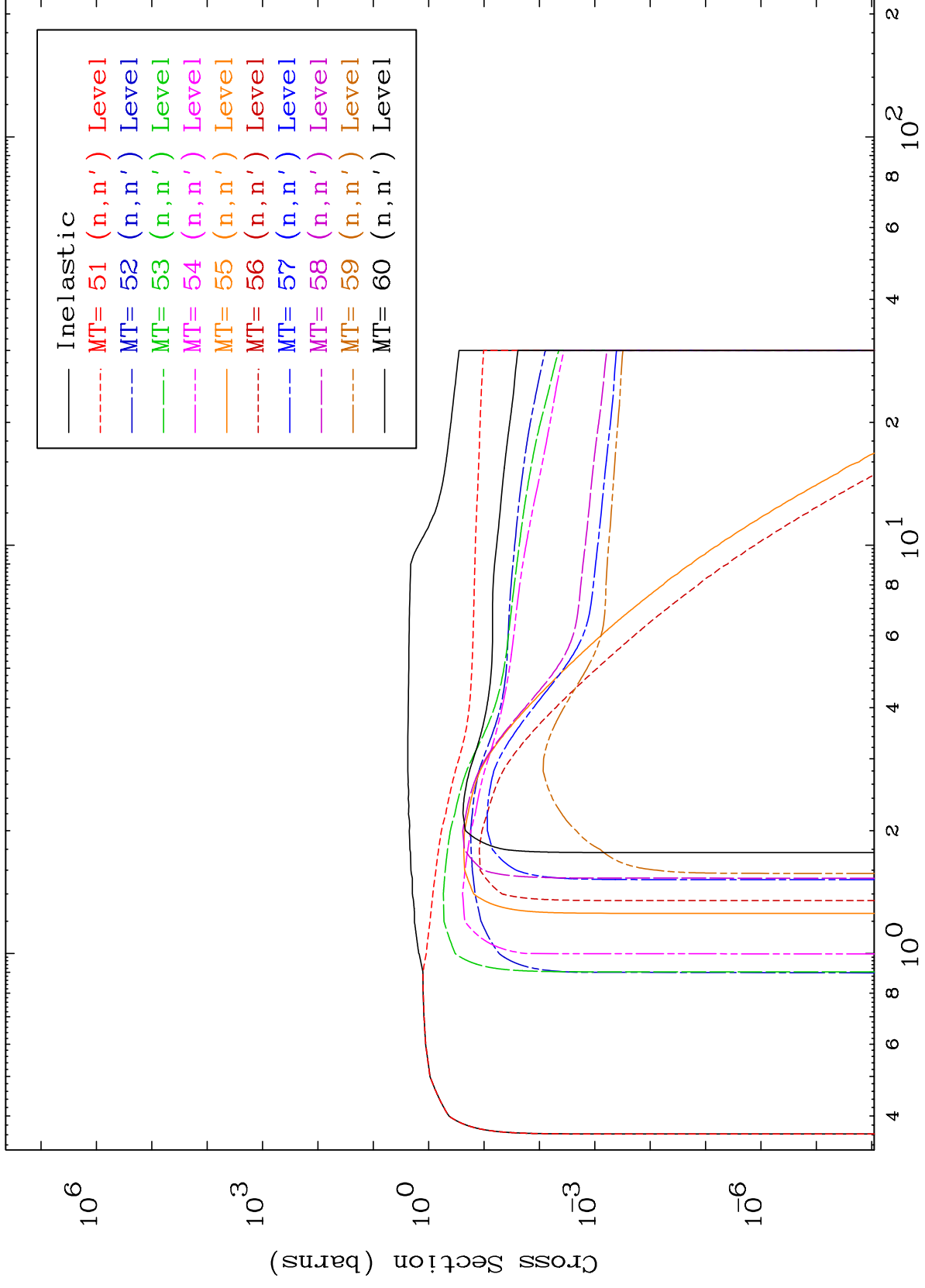
MAT 4449

Particle Production
293 Kelvin Cross Sections

44-Ru-104



293 Kelvin Cross Sections

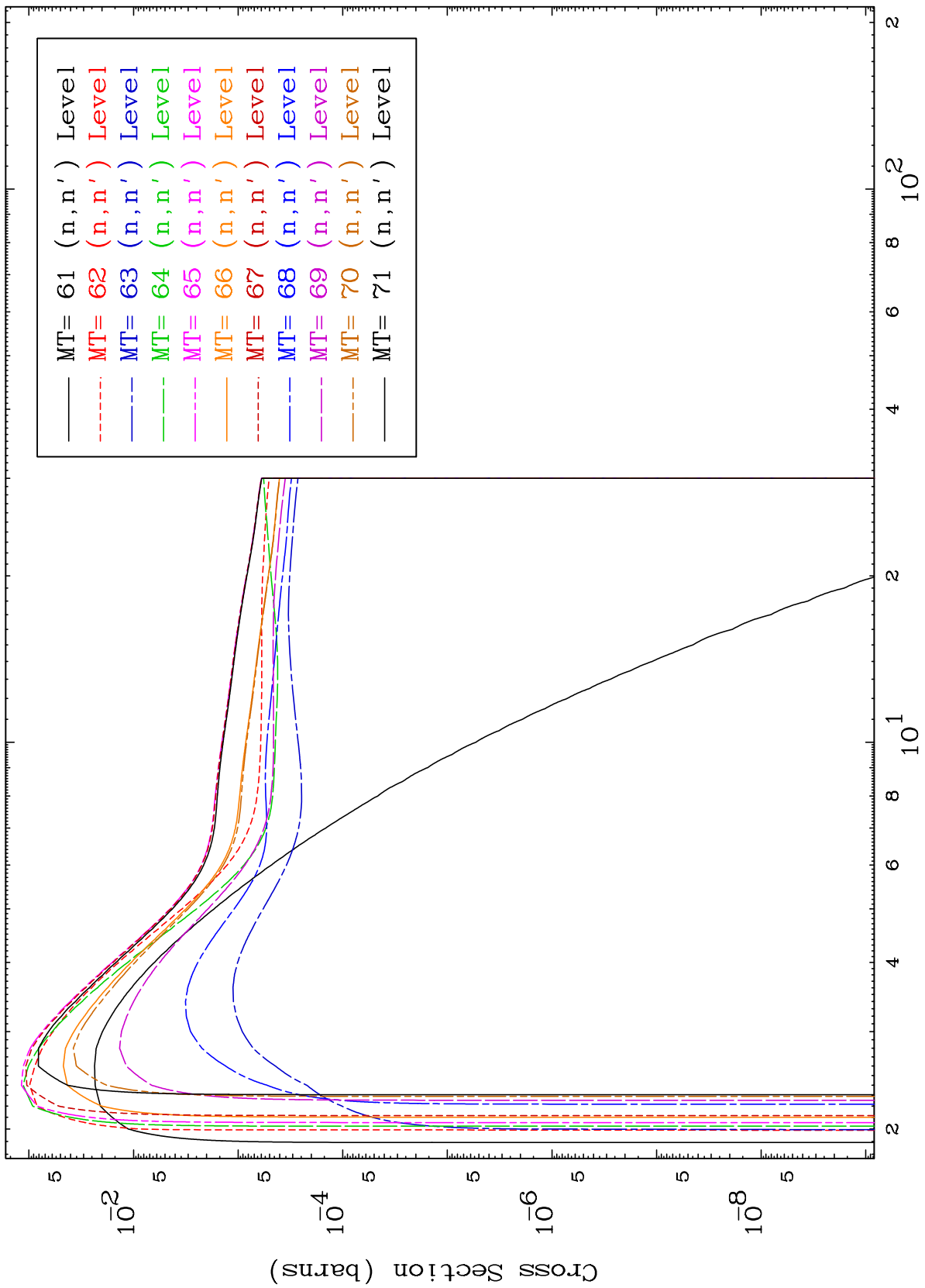


MAT 4449

(n,n') Level

44-Ru-104

293 Kelvin Cross Sections

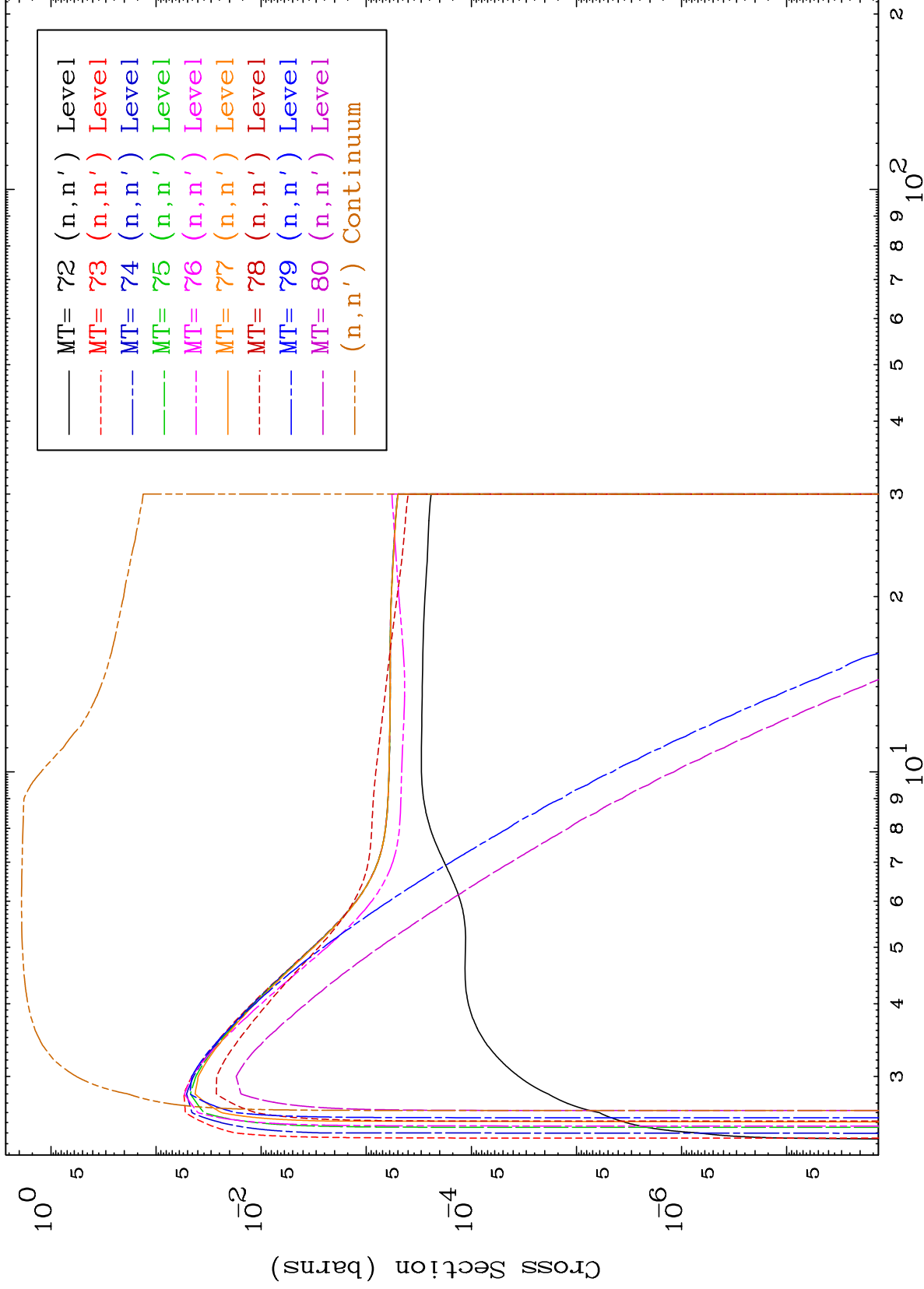


8

Incident Energy (MeV)

44-Ru-104

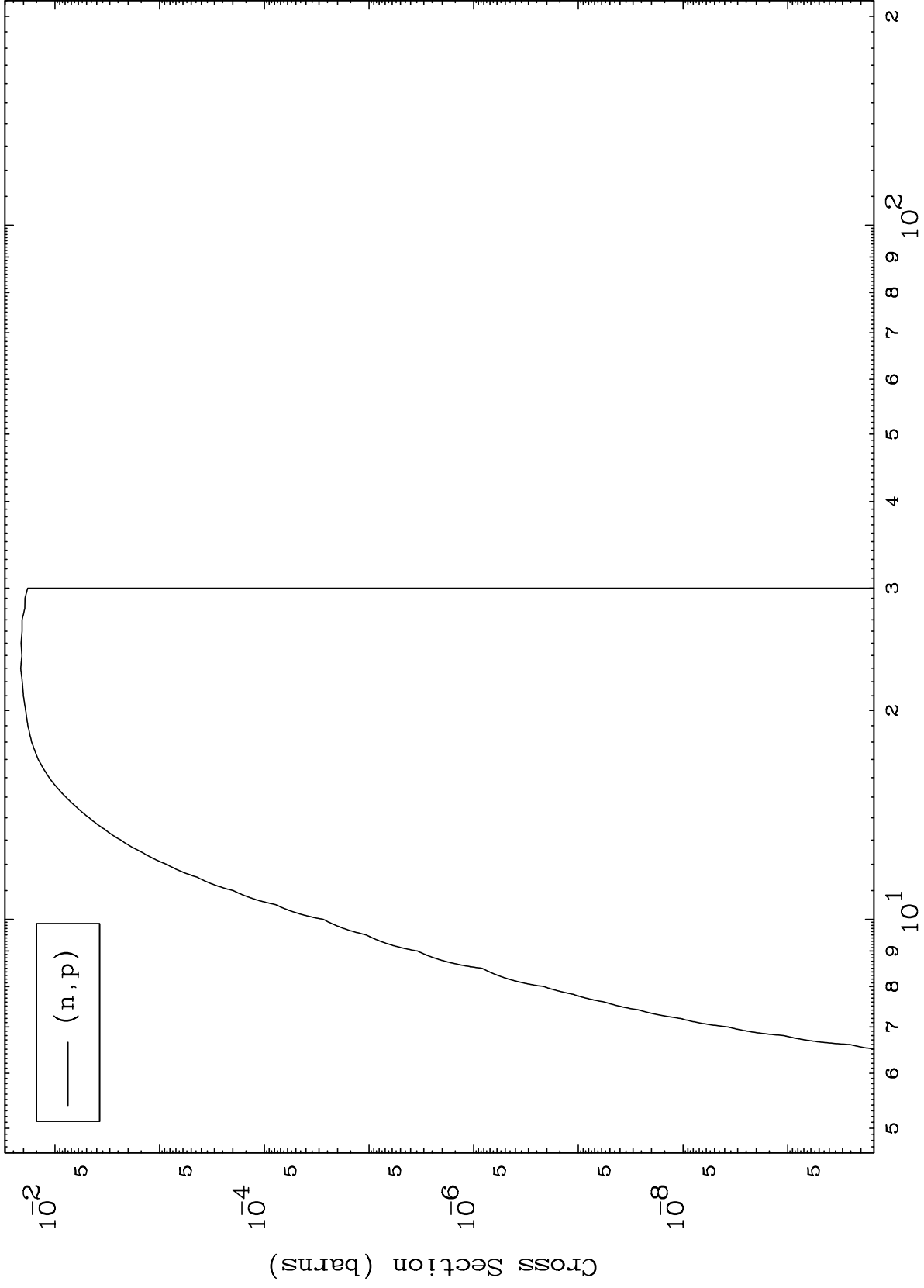
293 Kelvin Cross Sections



MAT 4449

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-104



10

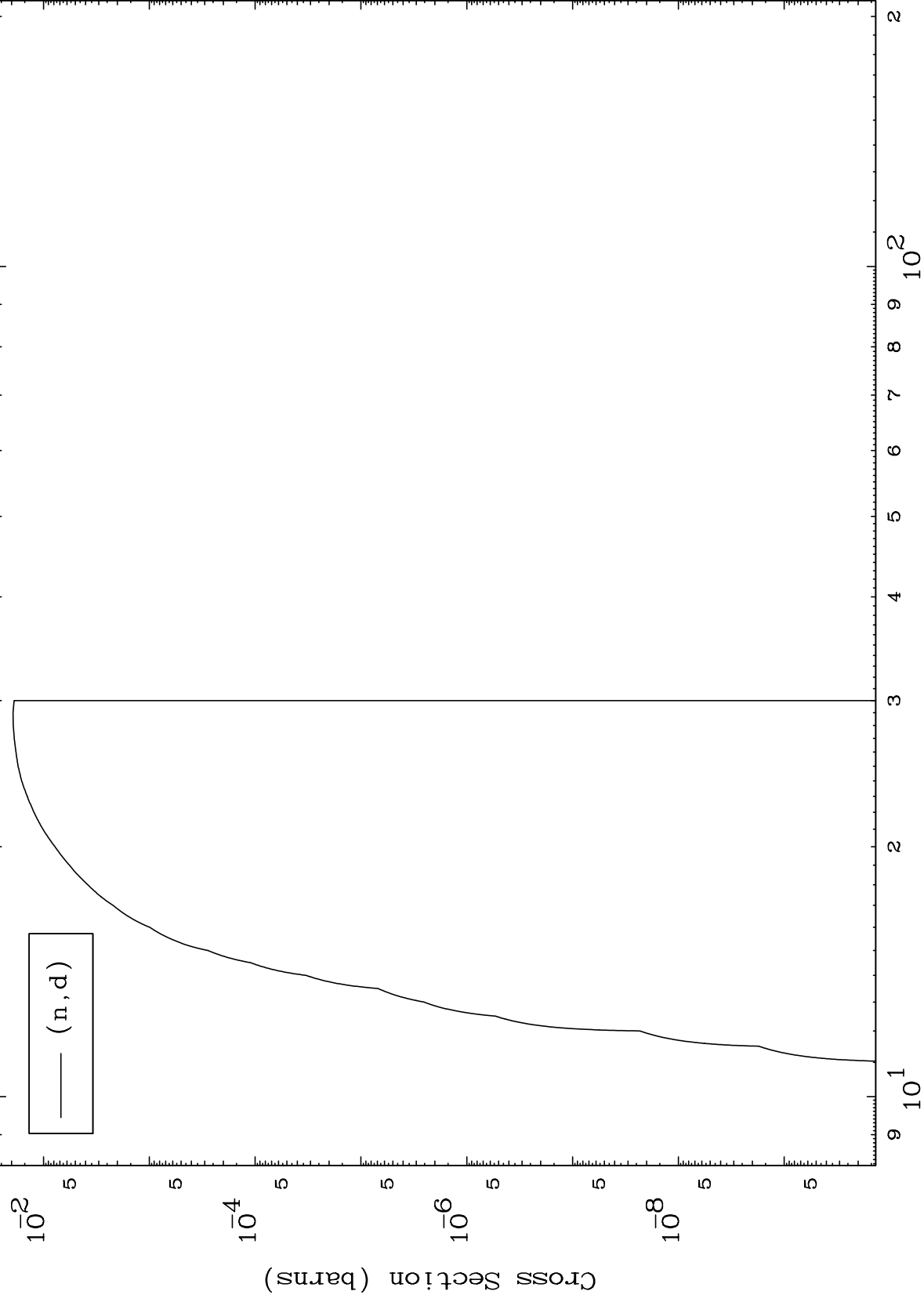
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-104



11

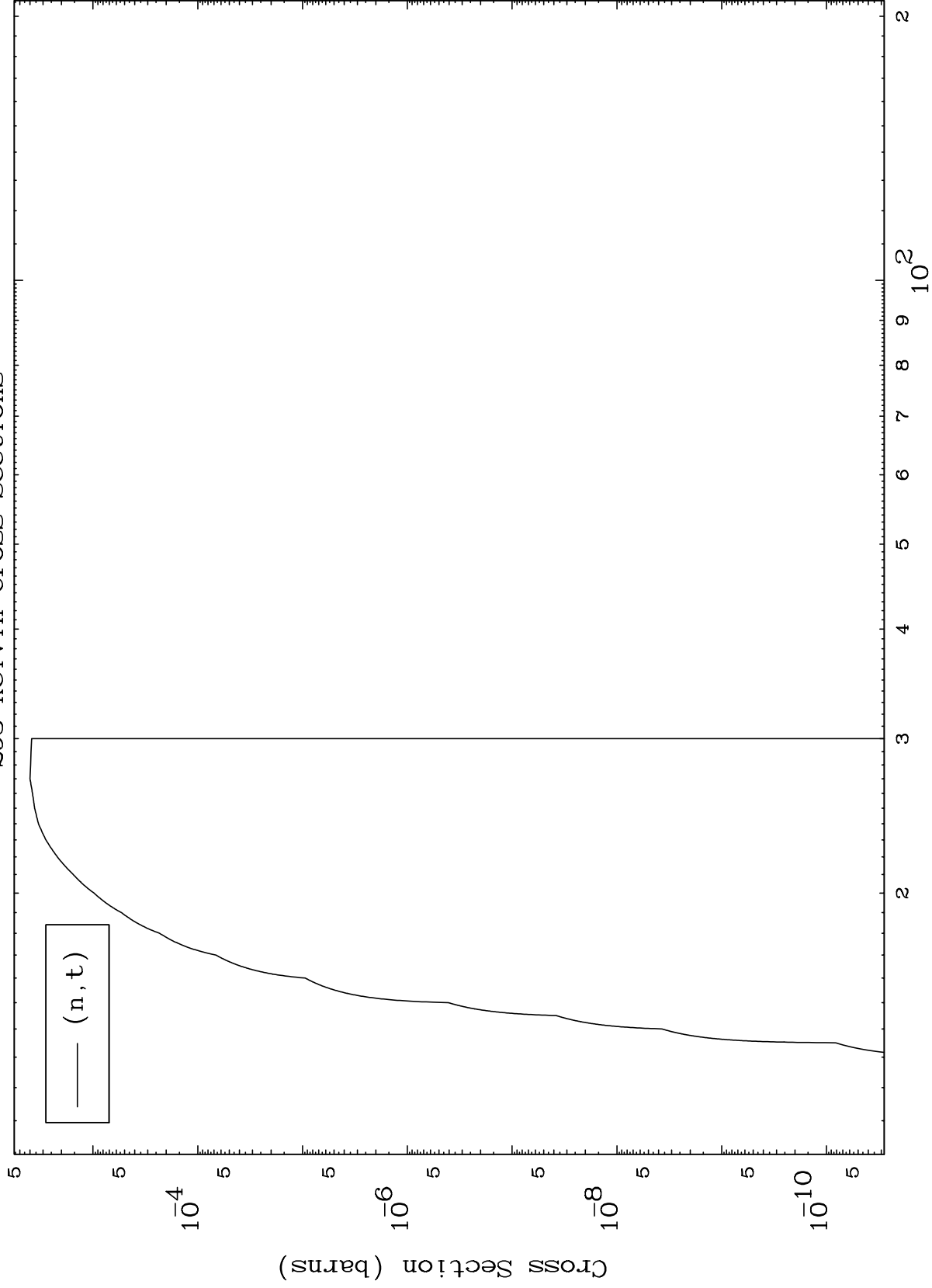
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-104



12

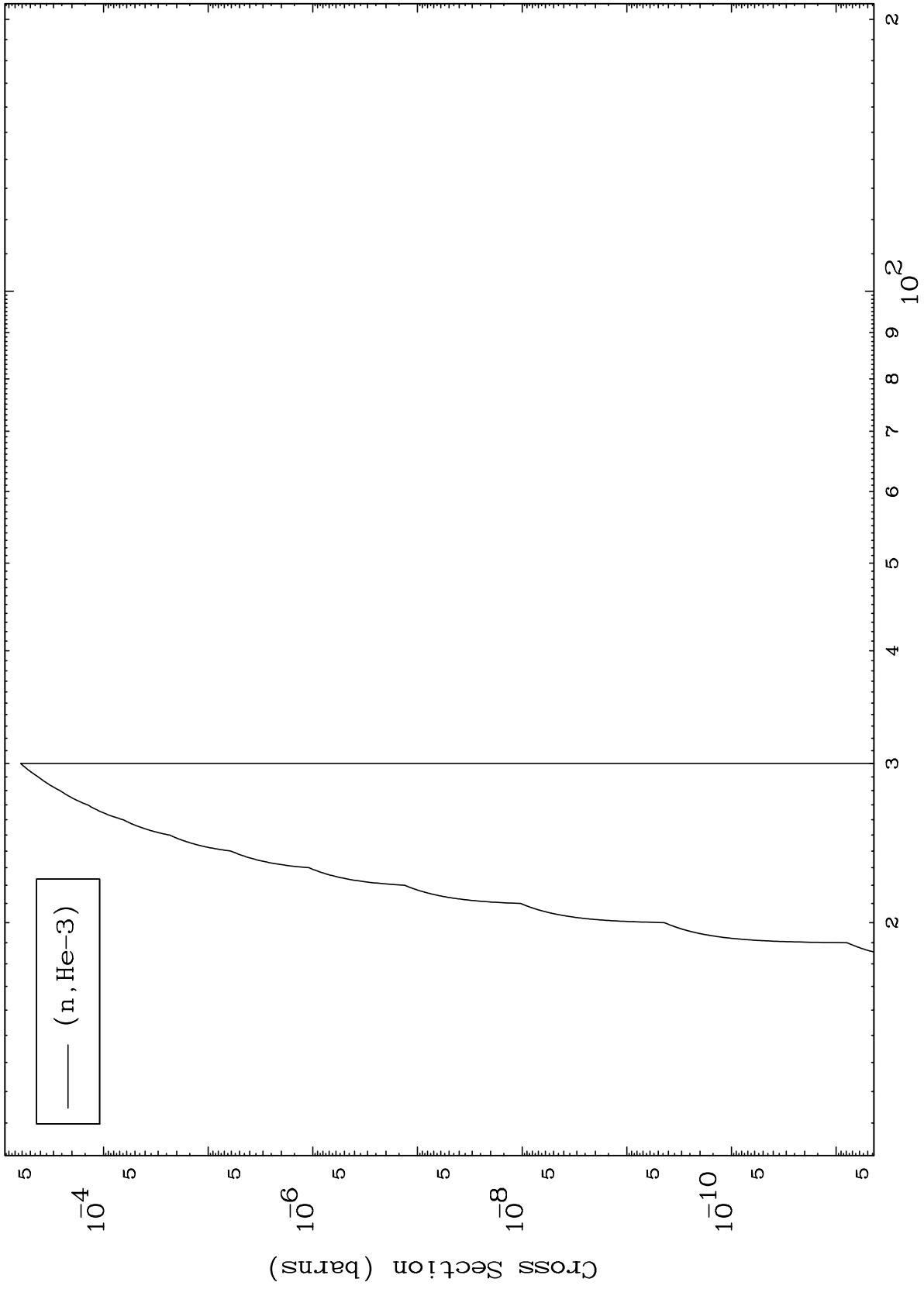
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,He3) Levels
293 Kelvin Cross Sections

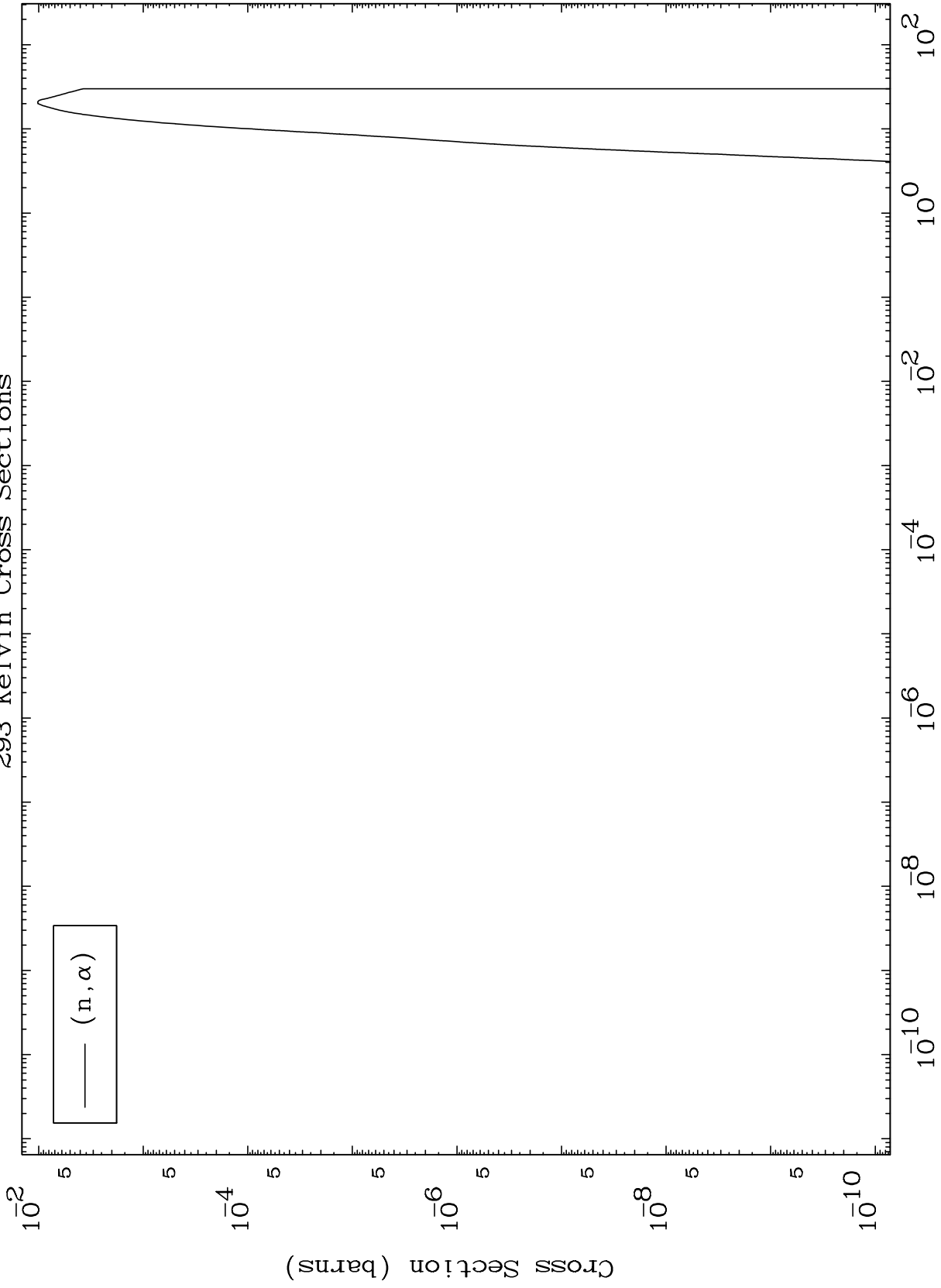
44-Ru-104



MAT 4449

(n, α) Levels
293 Kelvin Cross Sections

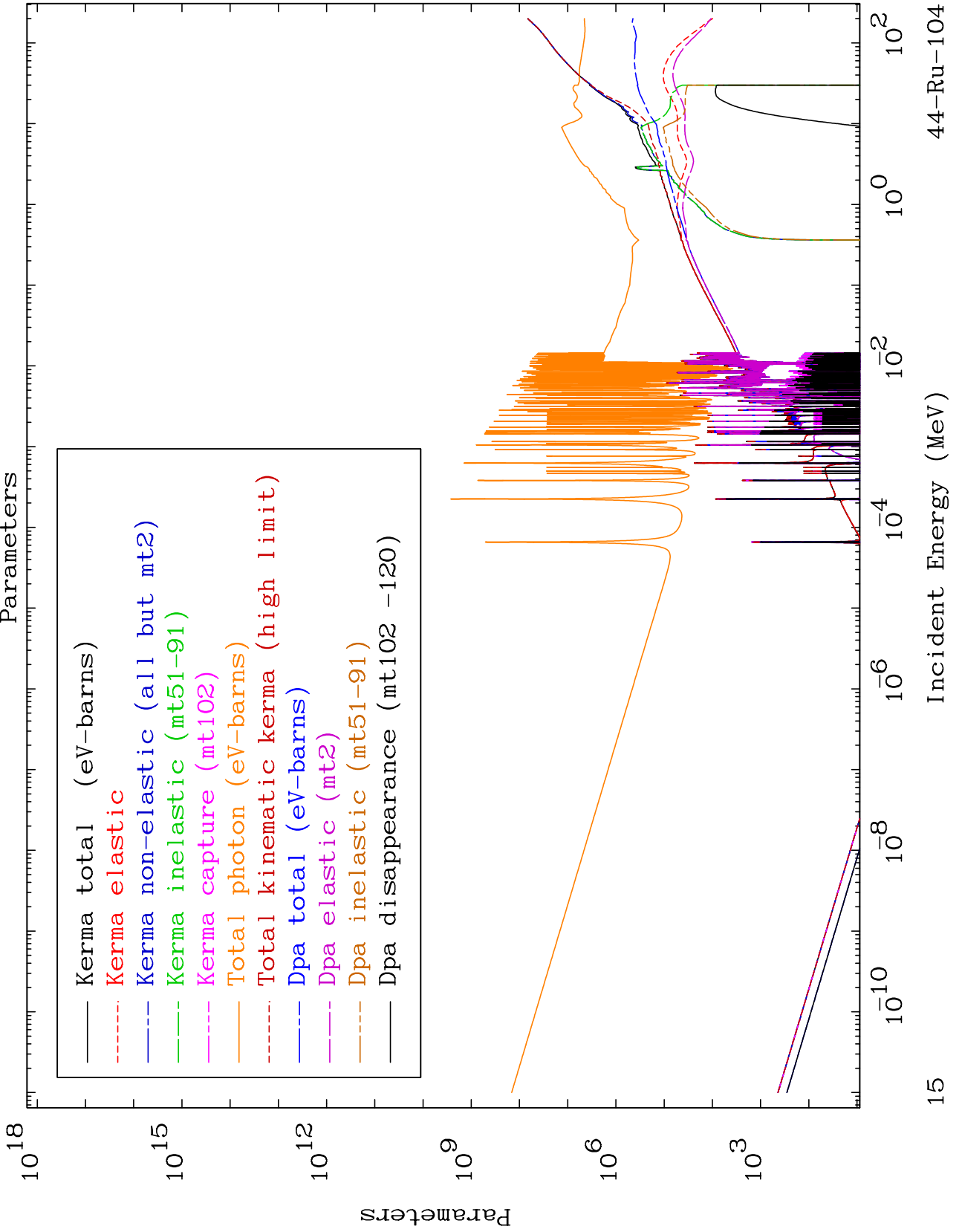
44-Ru-104



14

Incident Energy (MeV)

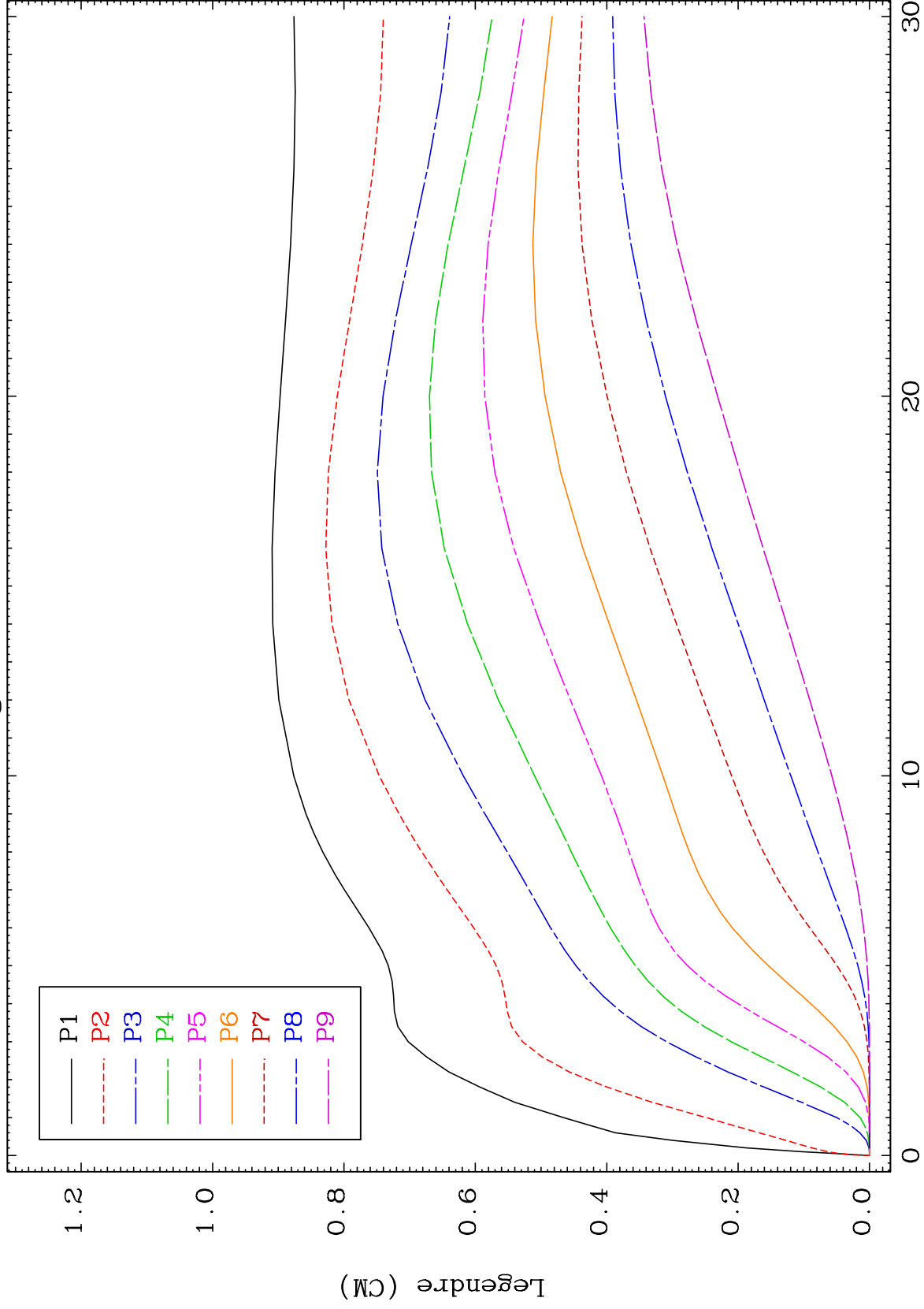
44-Ru-104



MAT 4449

Elastic Legendre Coefficients

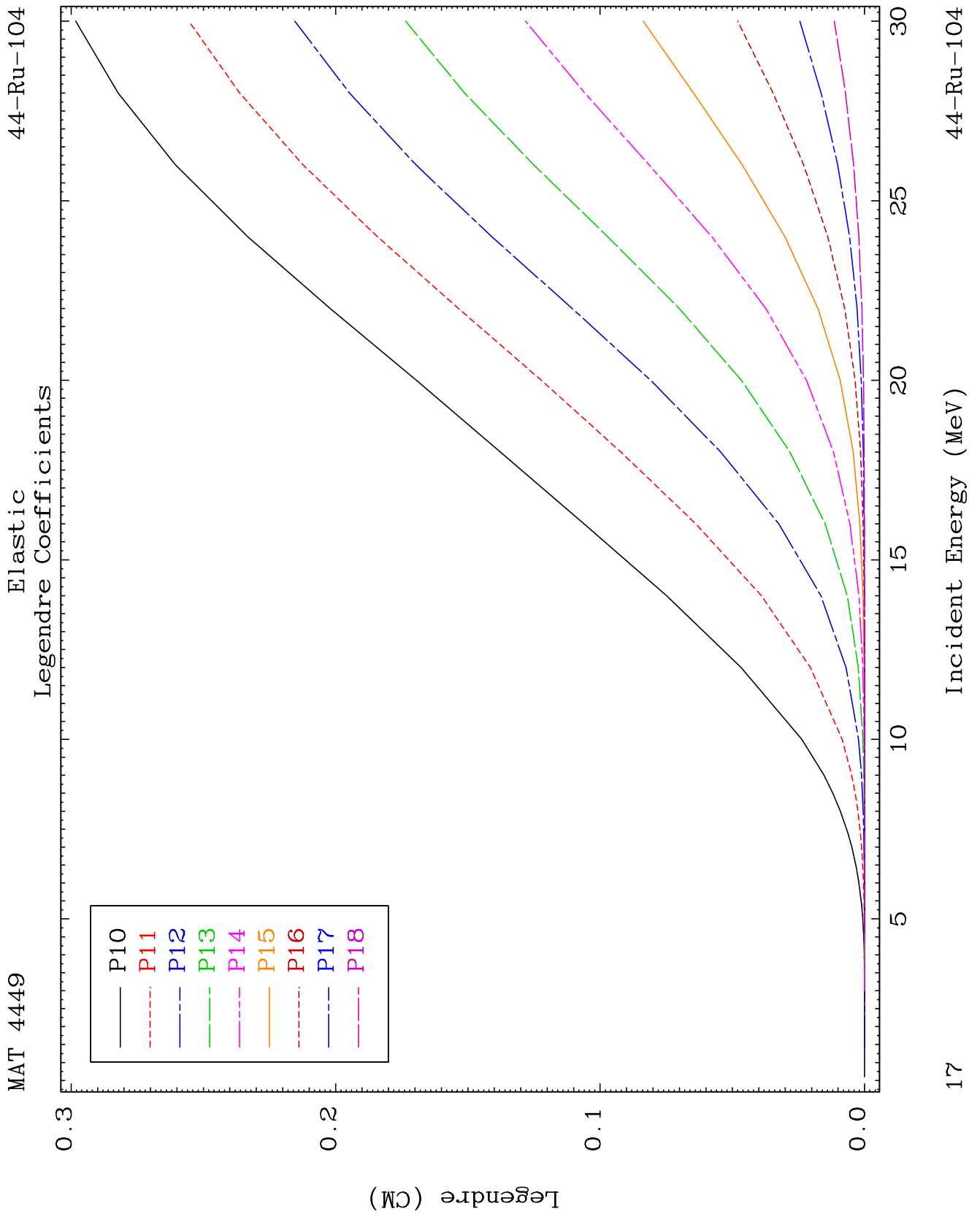
44-Ru-104

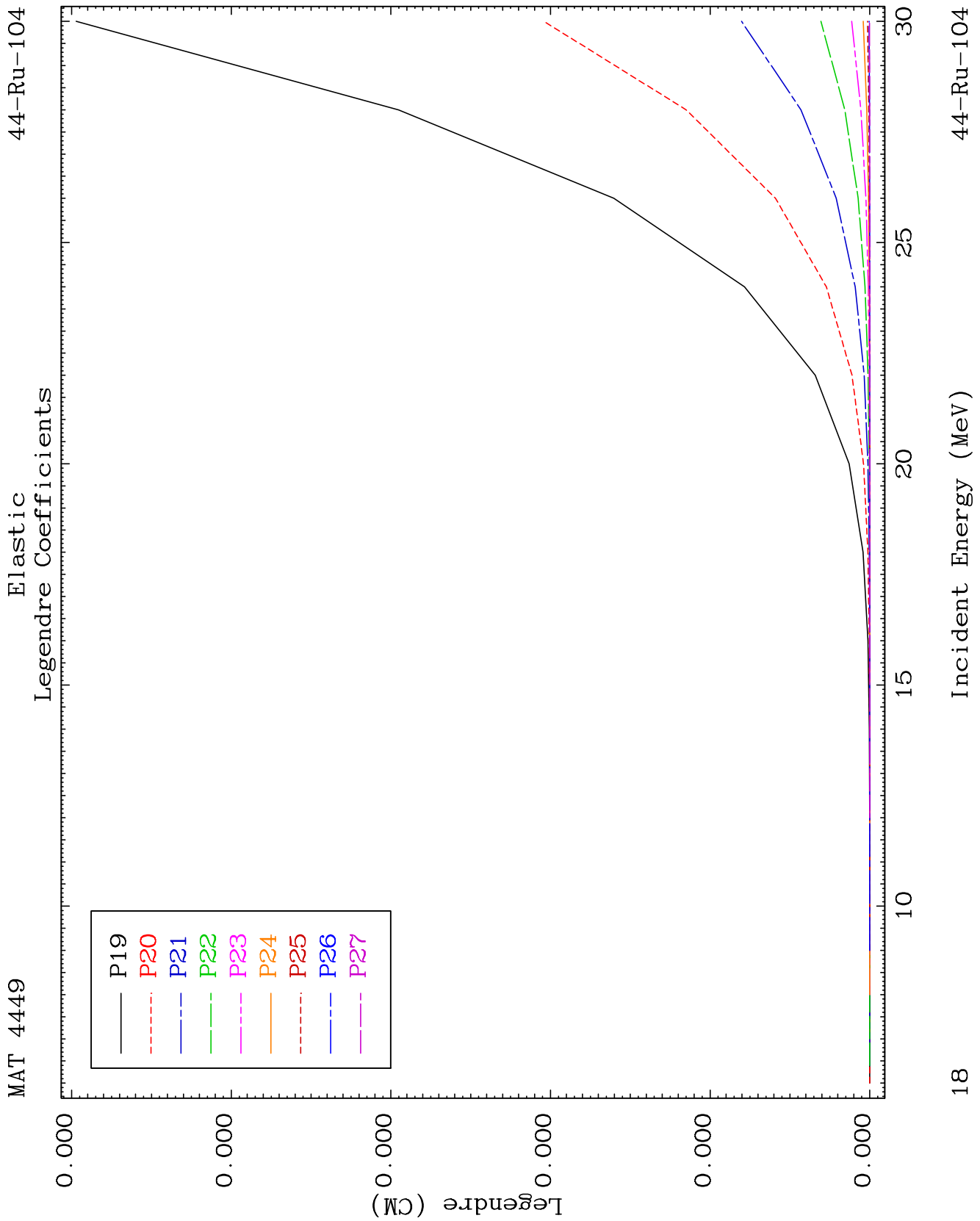


16

Incident Energy (MeV)

44-Ru-104

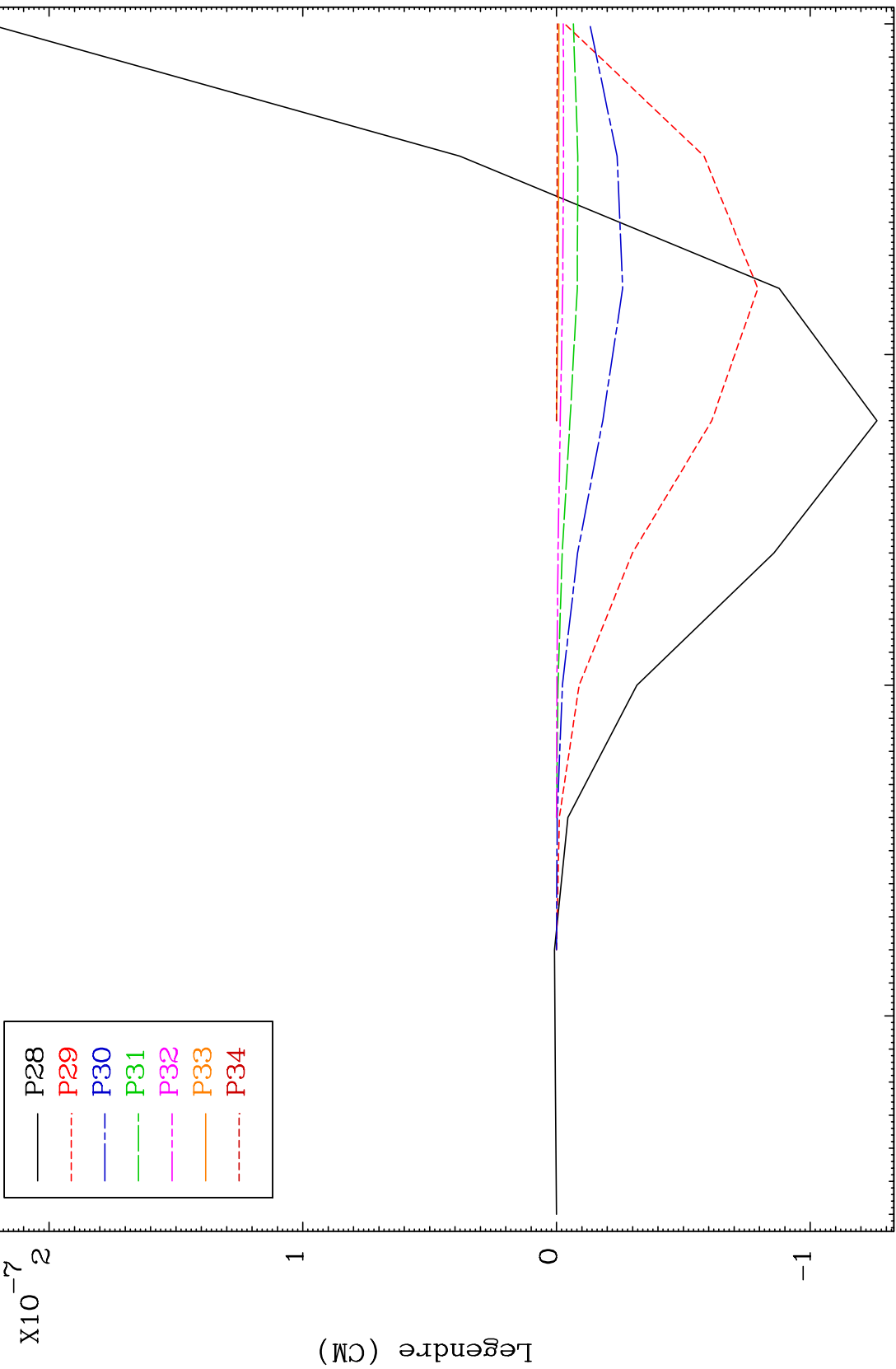
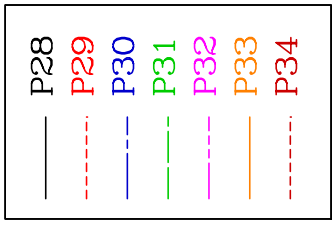




MAT 4449

Elastic Legendre Coefficients

44-Ru-104



30

25

20

15

19

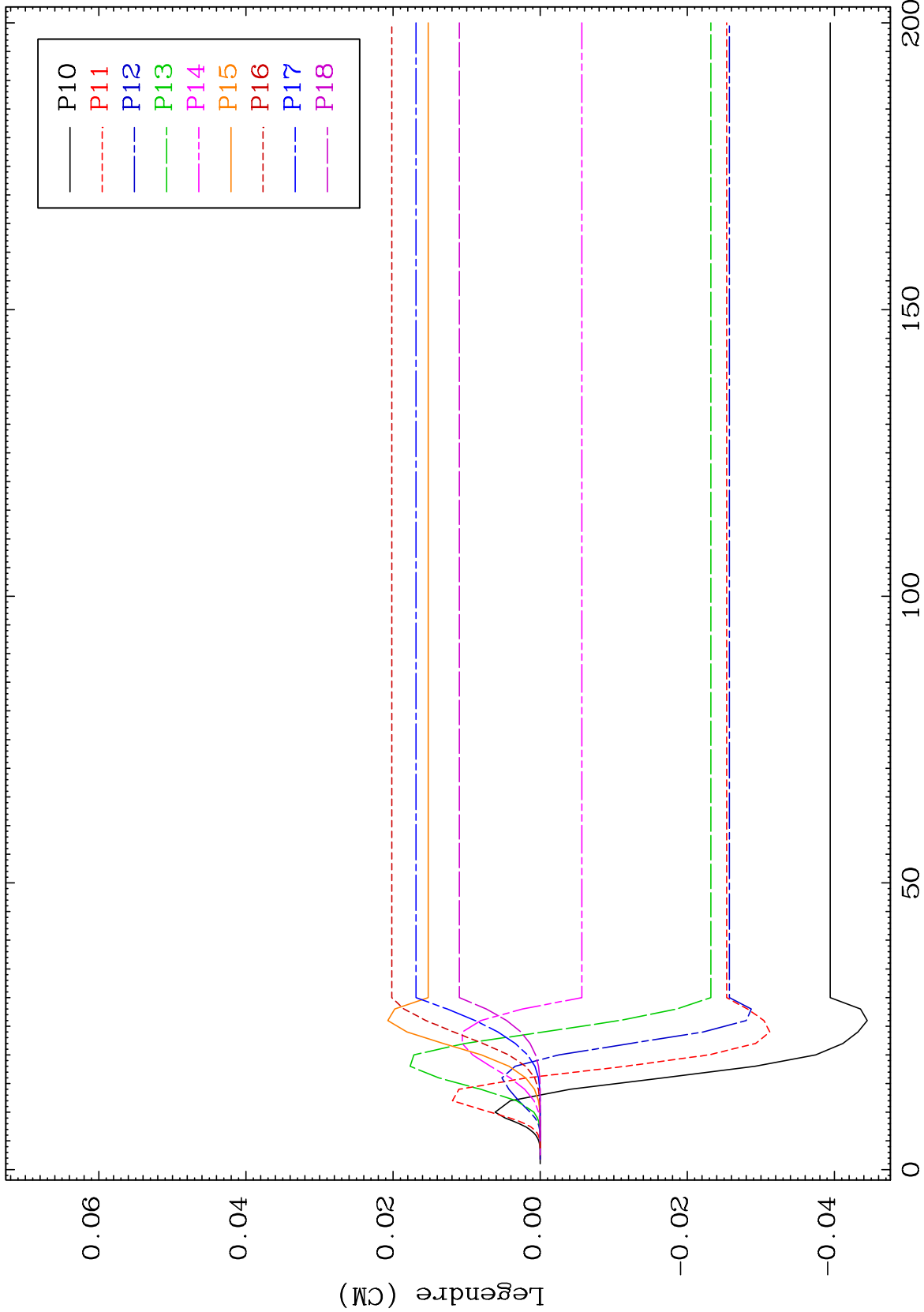
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



21

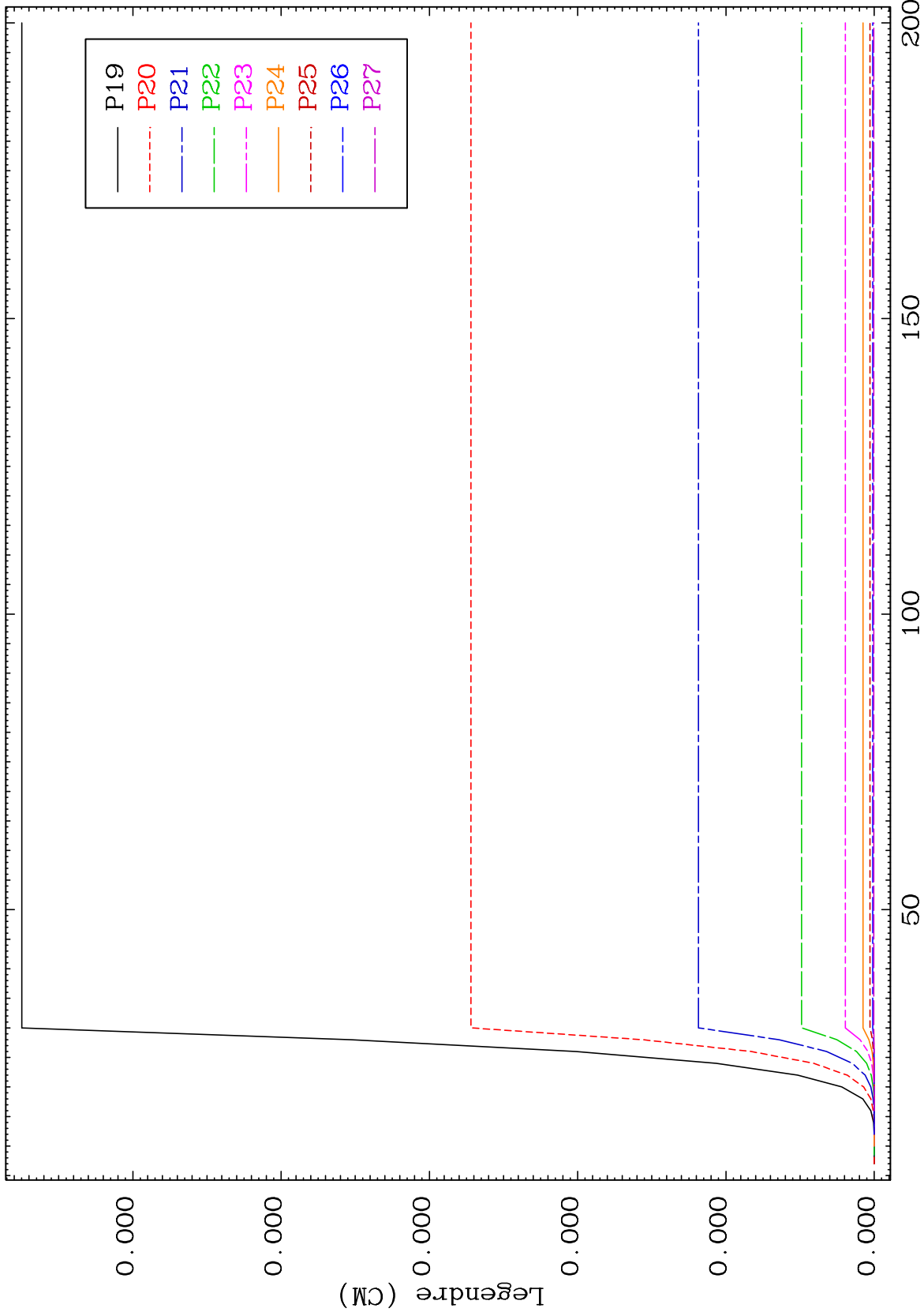
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



22

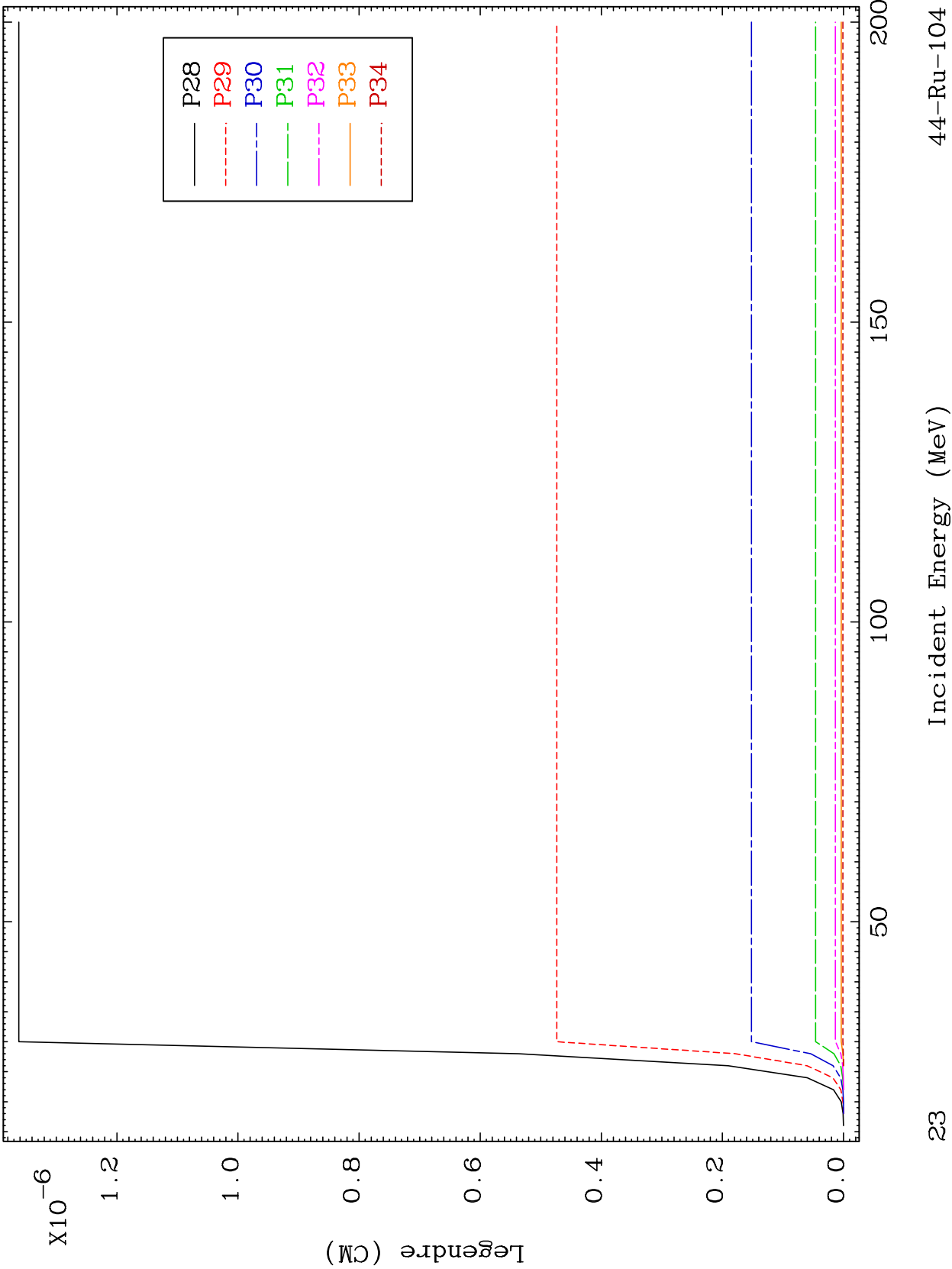
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104

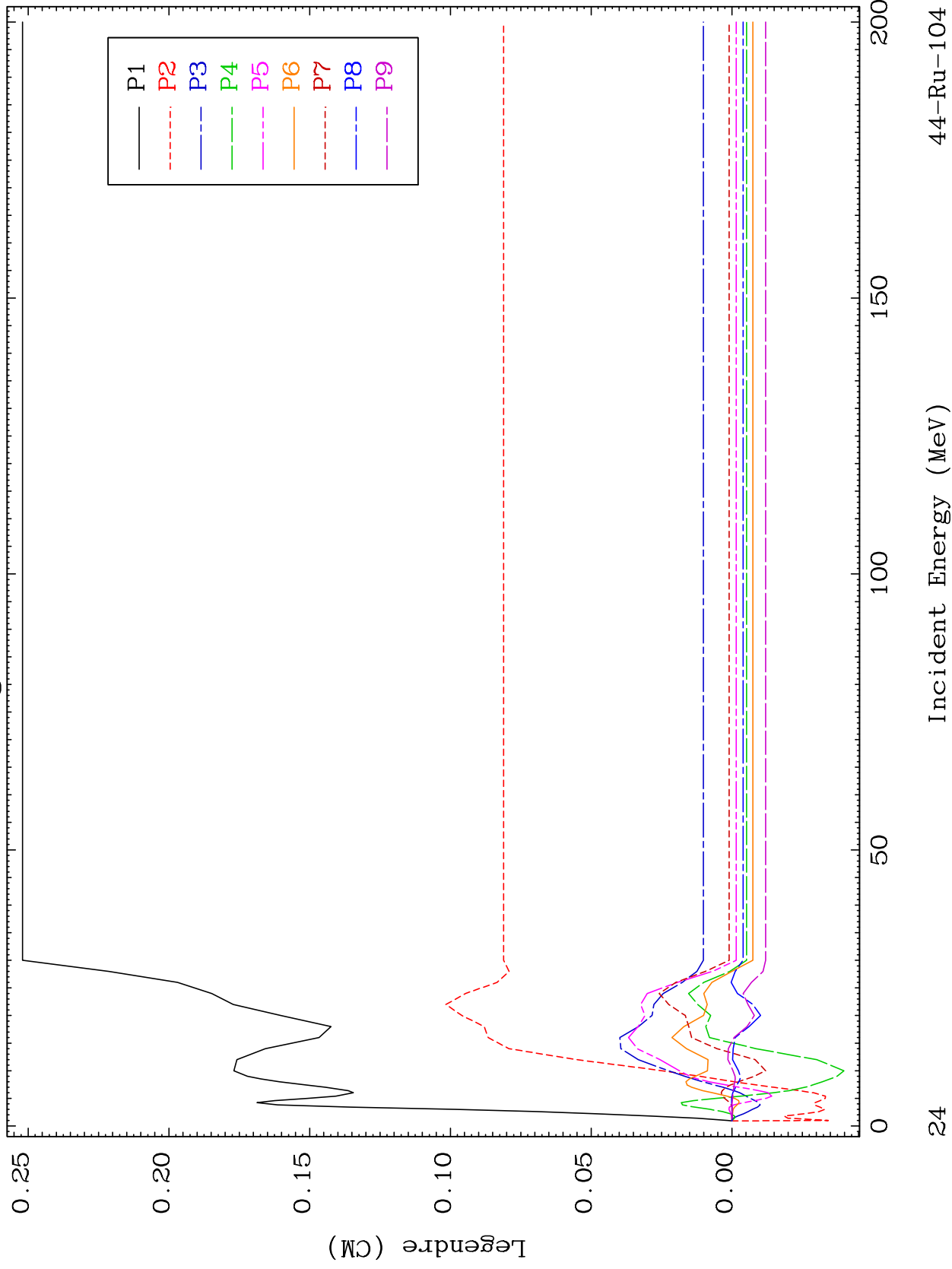


23

MAT 4449

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

44-Ru-104



44-Ru-104

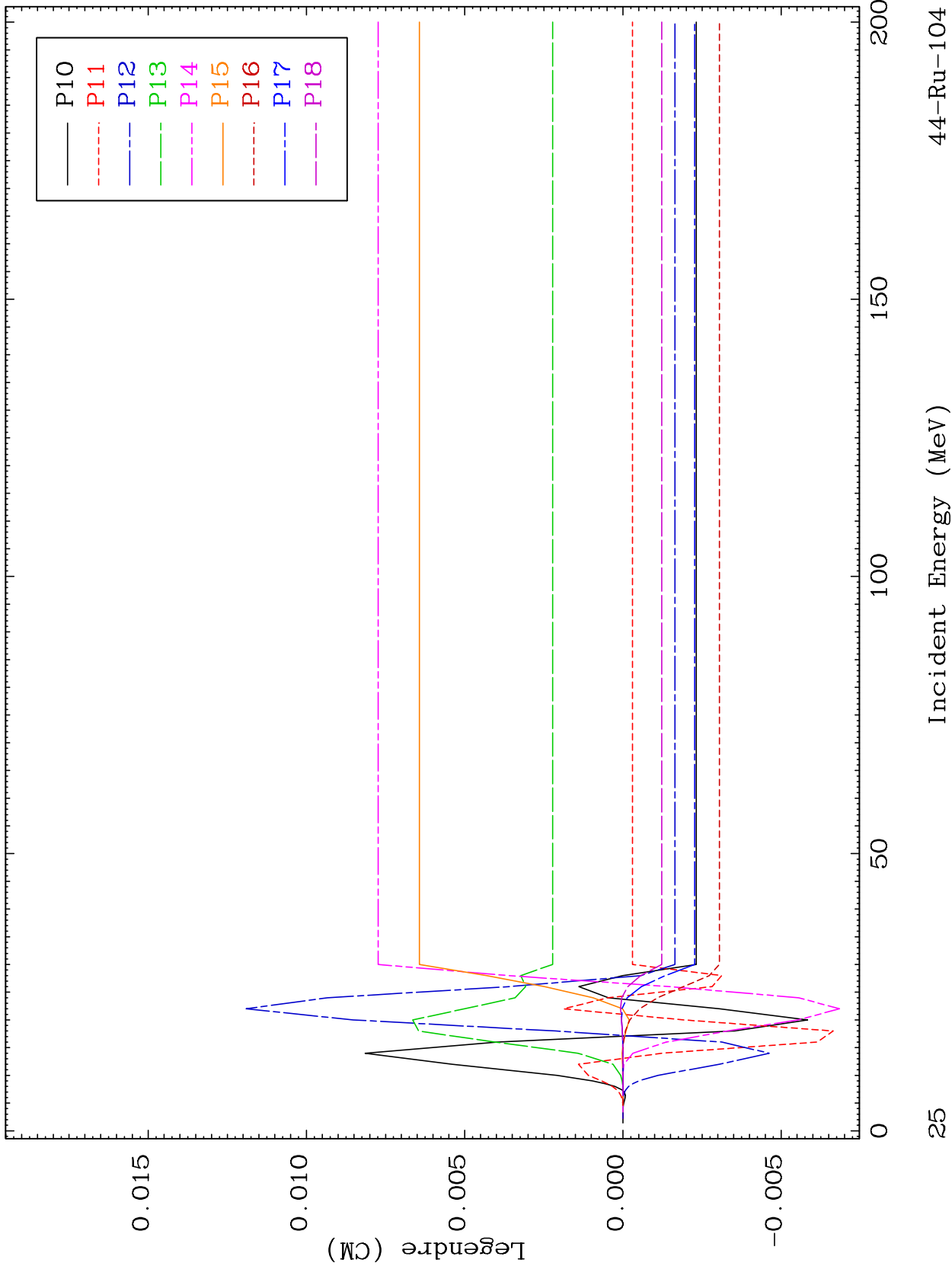
Incident Energy (MeV)

24

MAT 4449

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

44-Ru-104



44-Ru-104

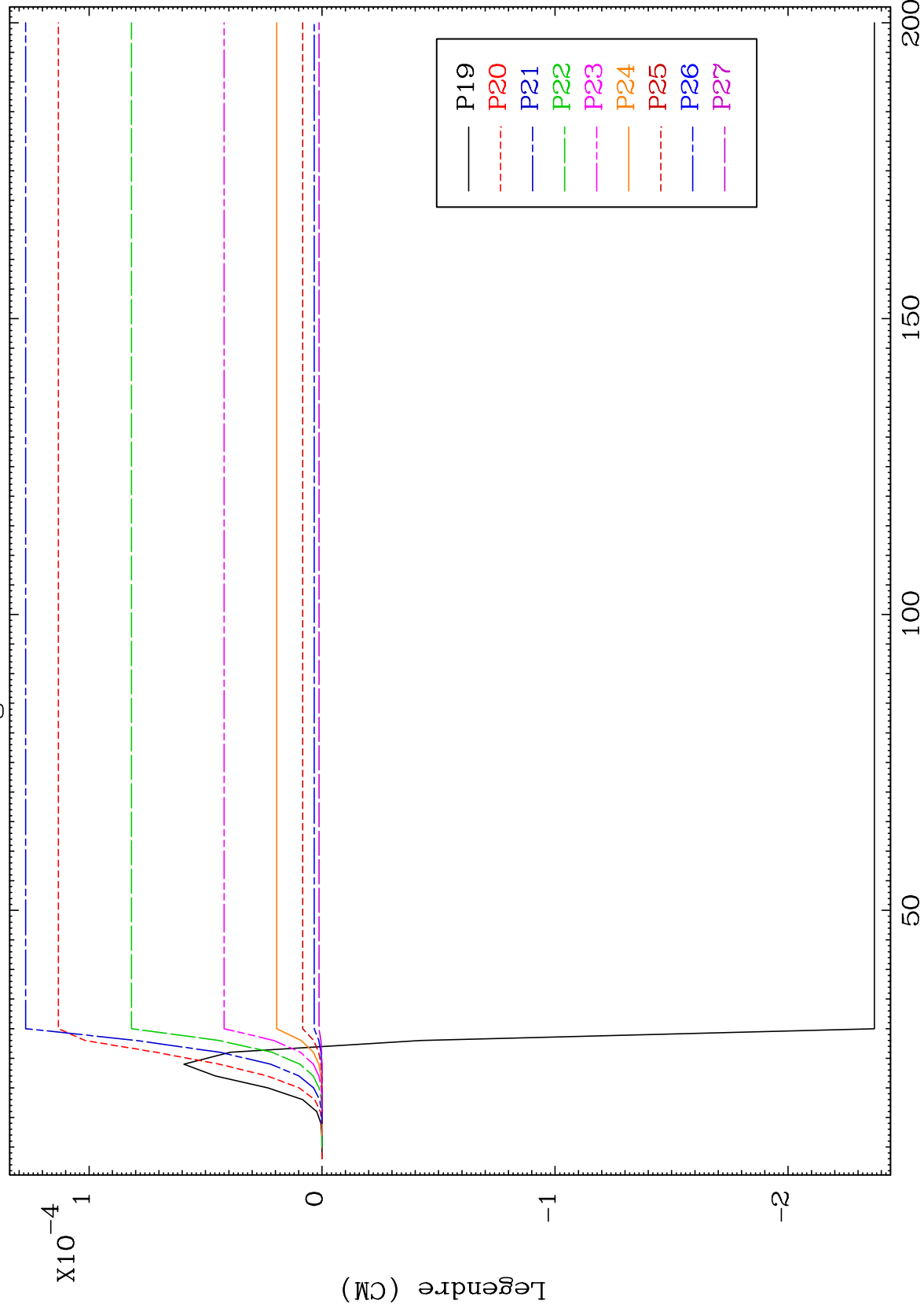
Incident Energy (MeV)

25

MAT 4449

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

44-Ru-104



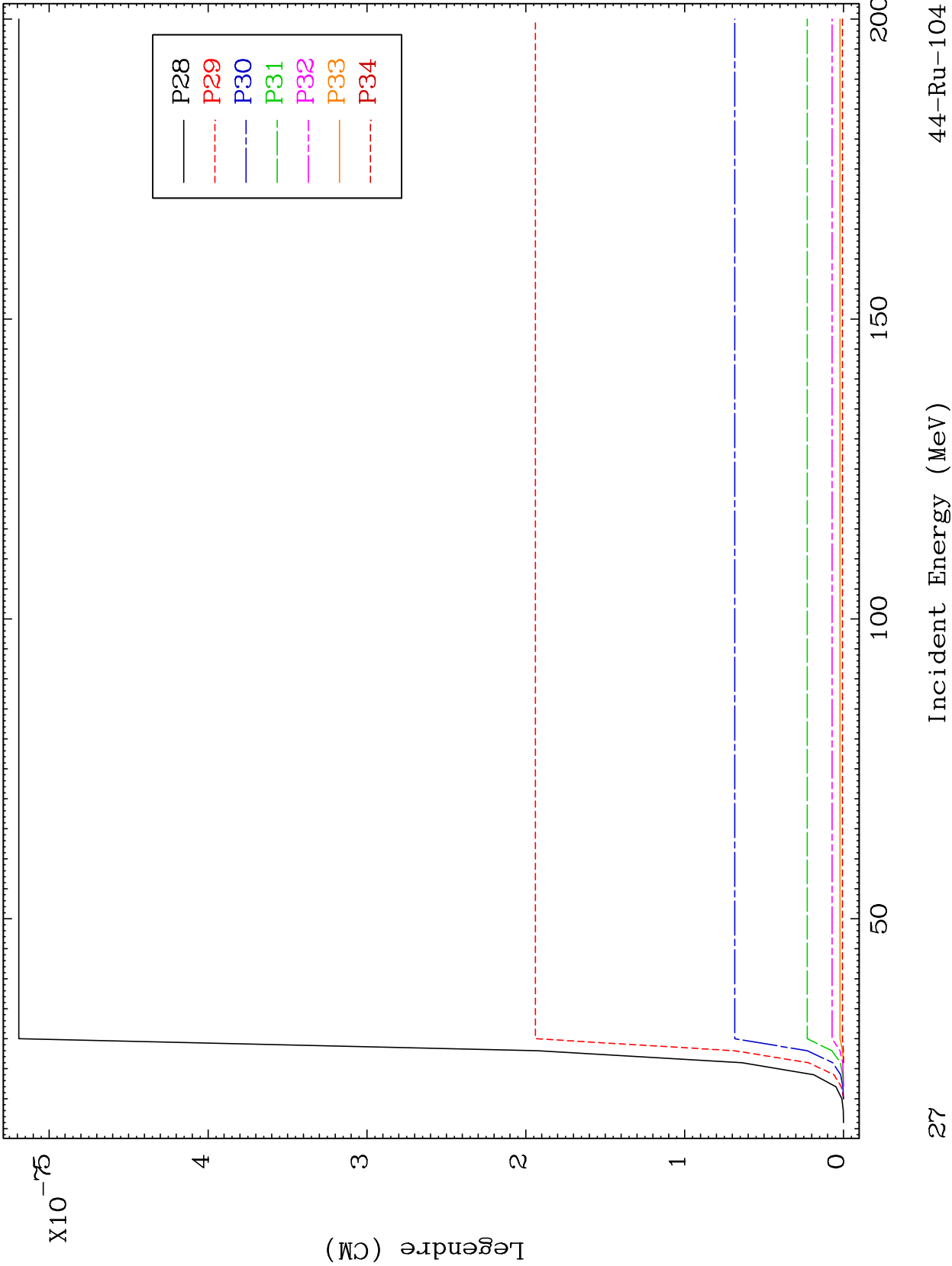
26

44-Ru-104

MAT 4449

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

44-Ru-104



27

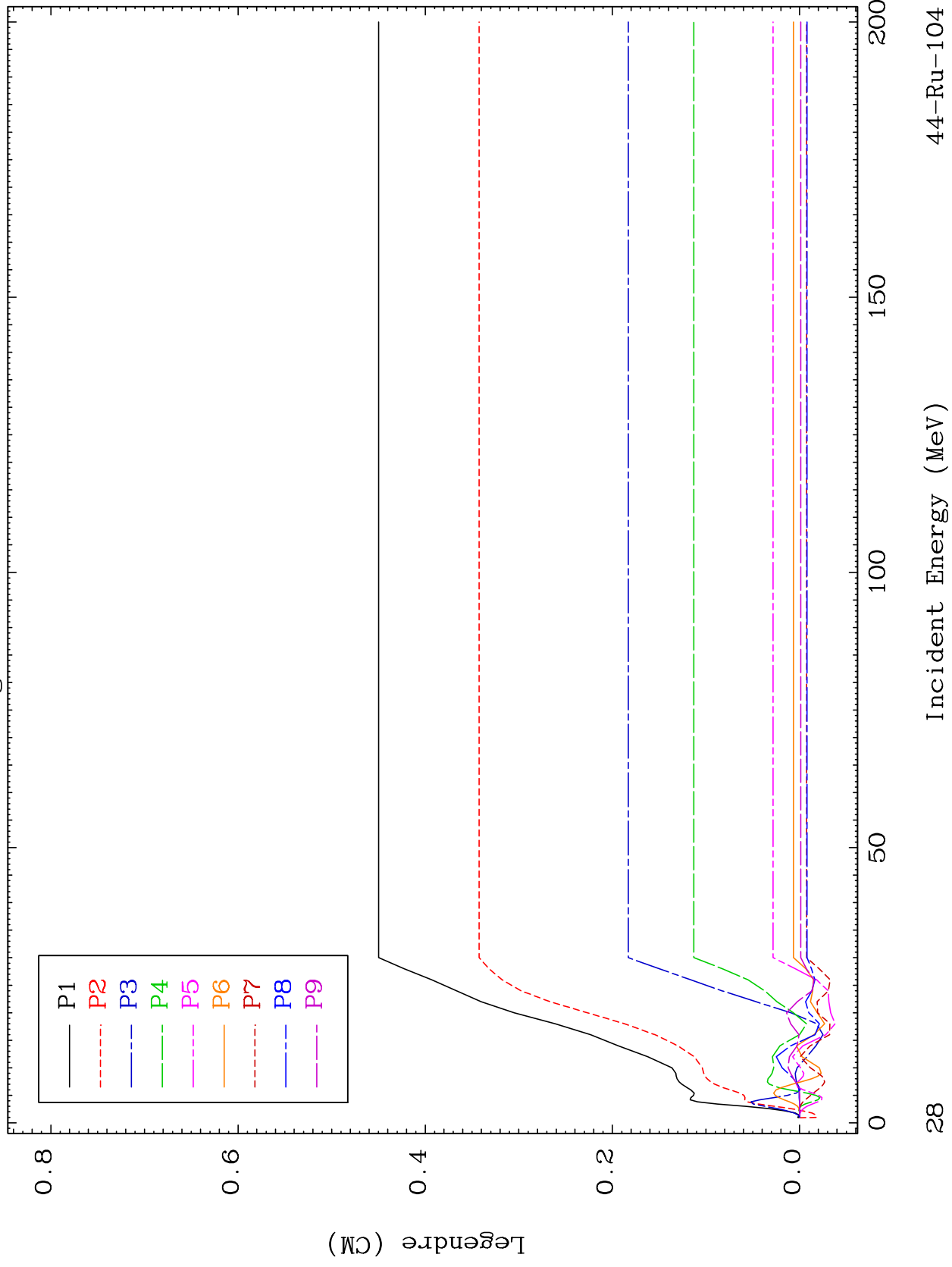
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



28

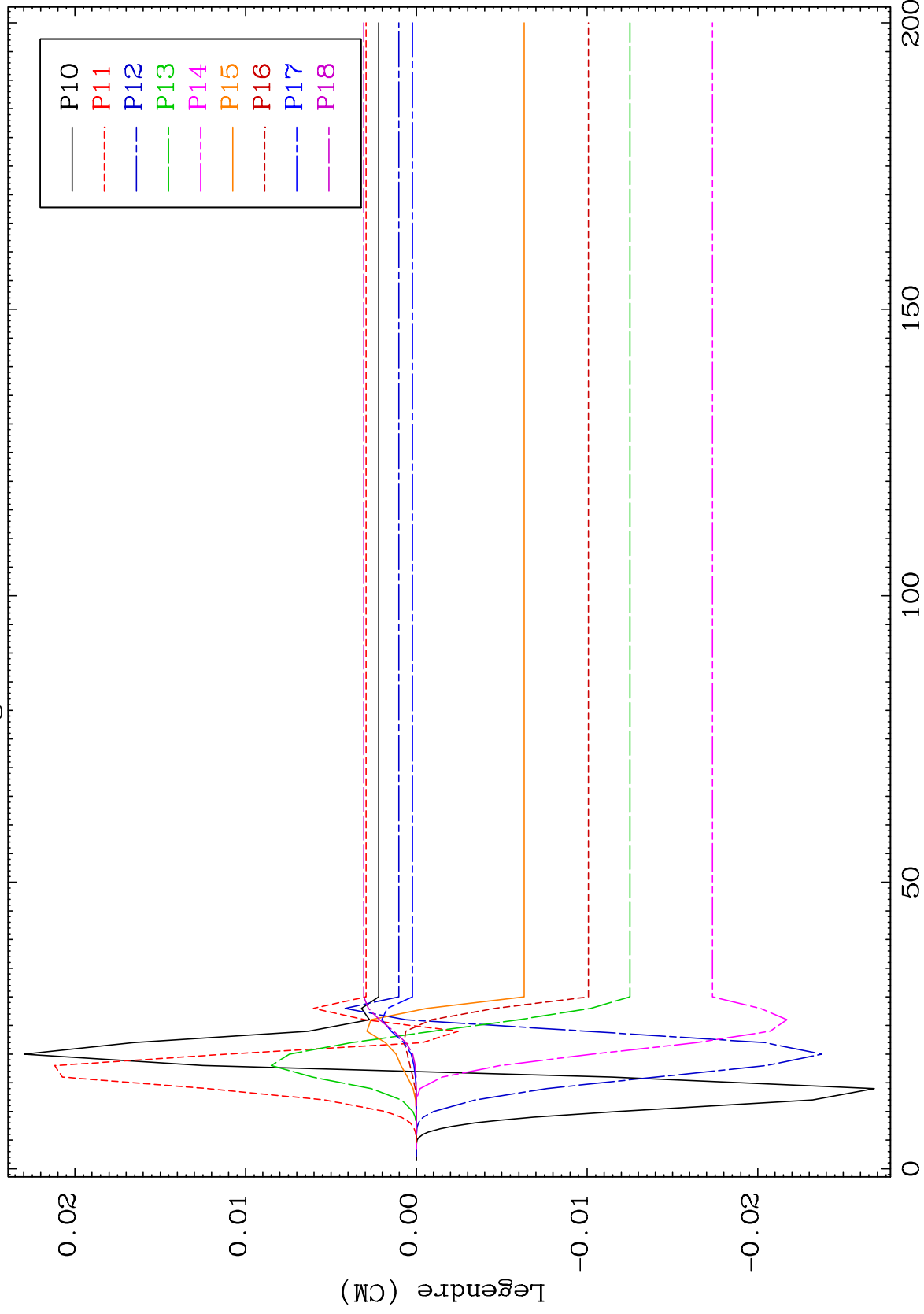
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



29

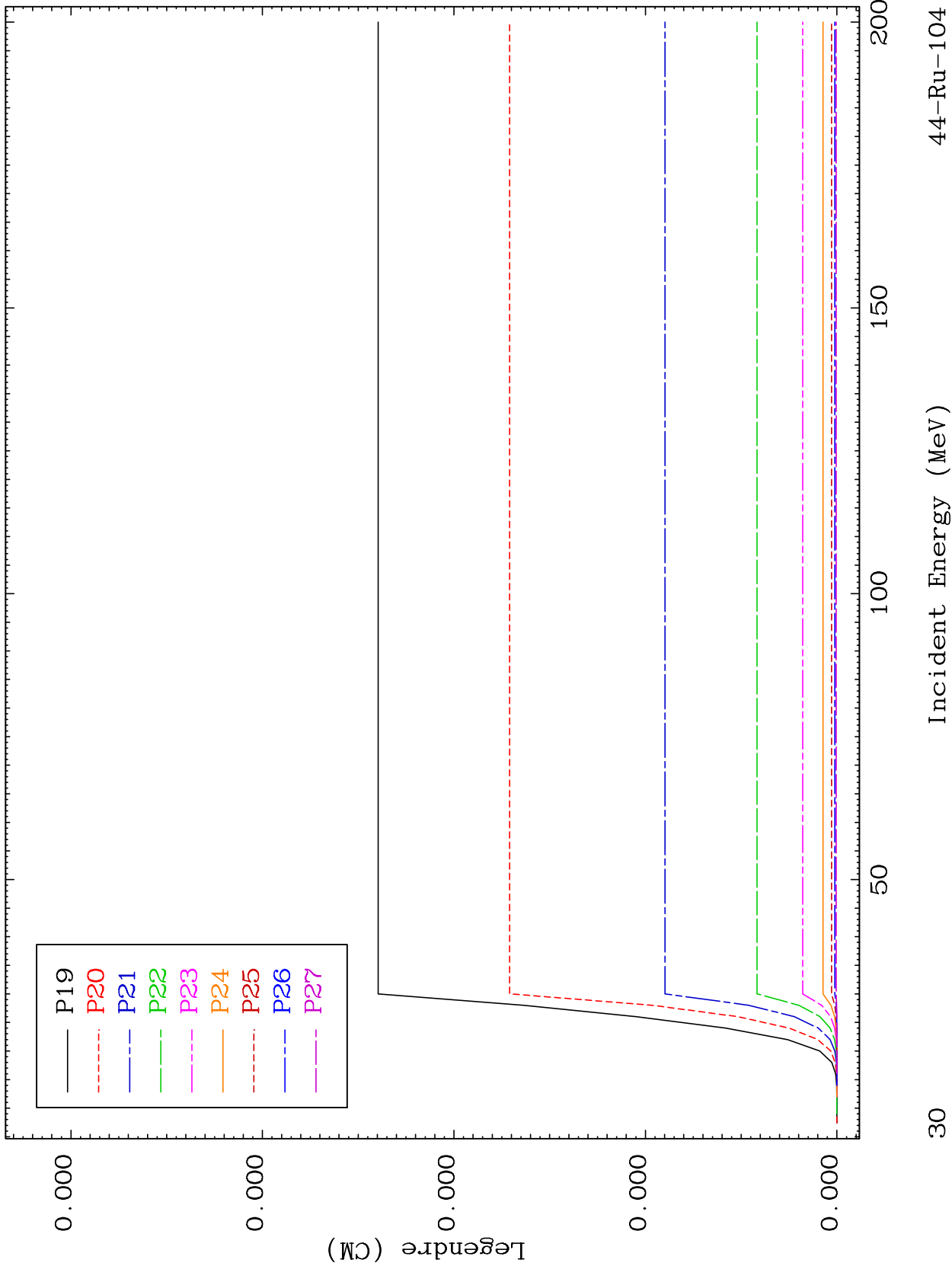
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



30

50

100

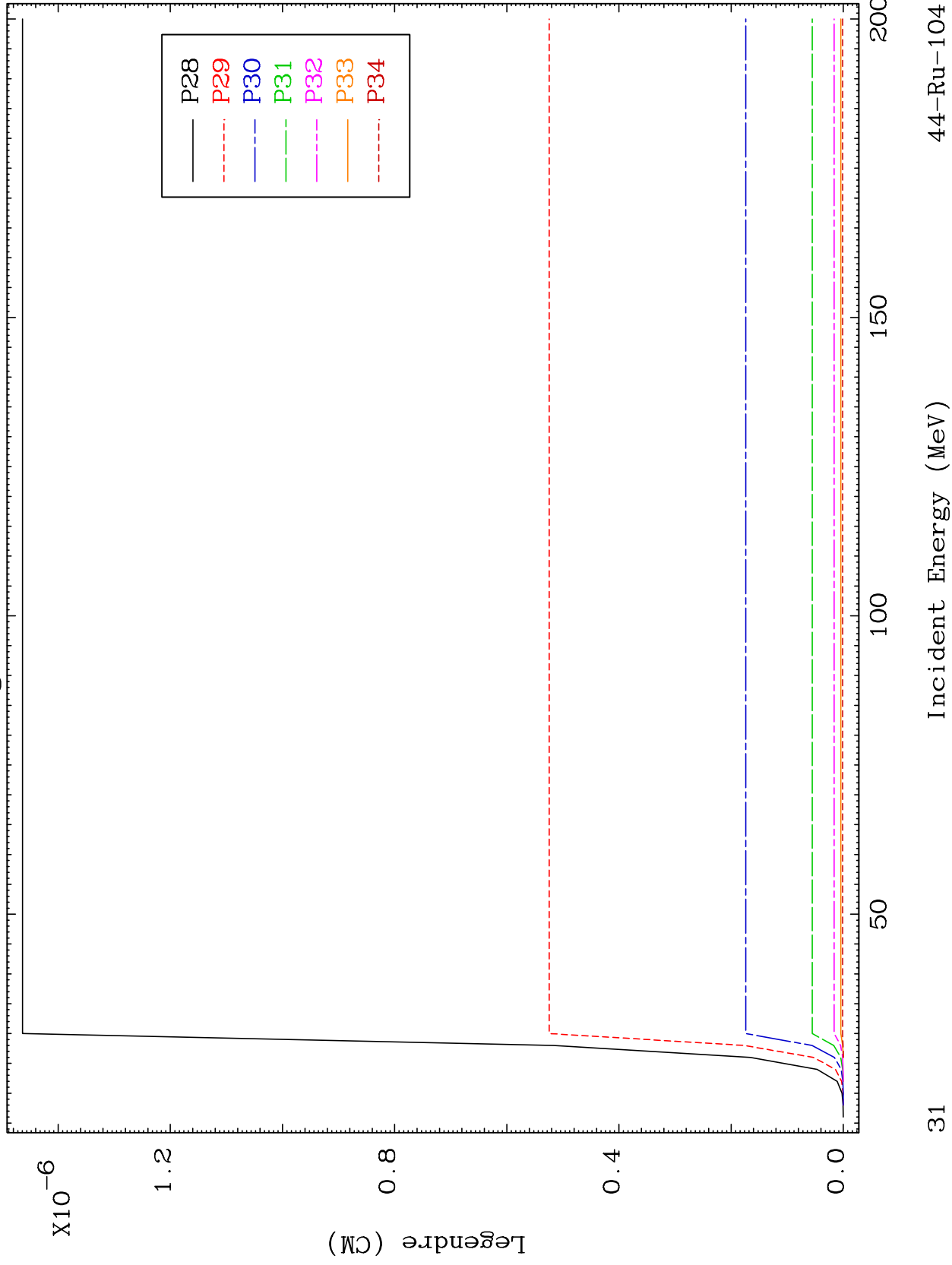
150

200

MAT 4449

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

44-Ru-104

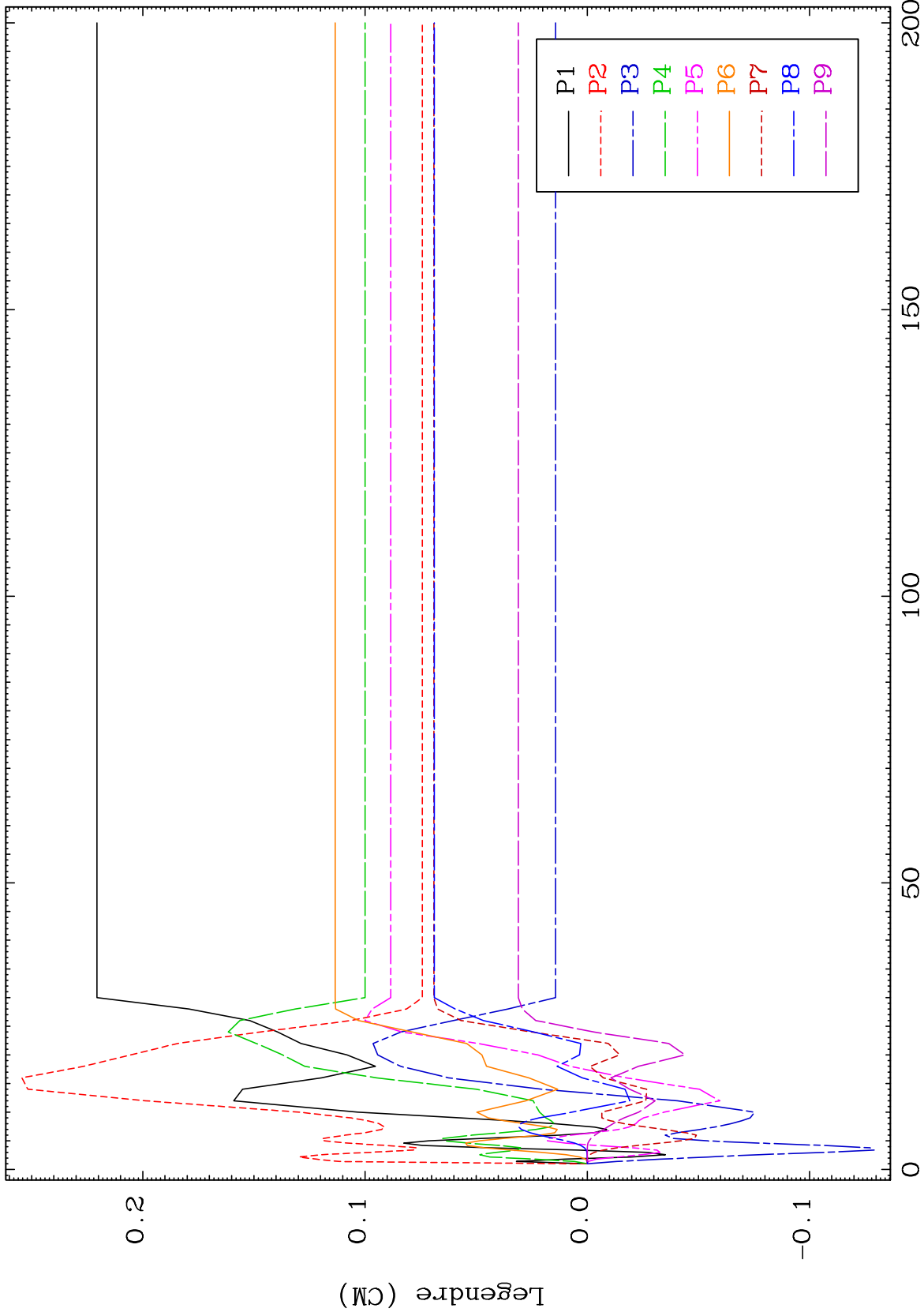


31

MAT 4449

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

44-Ru-104



32

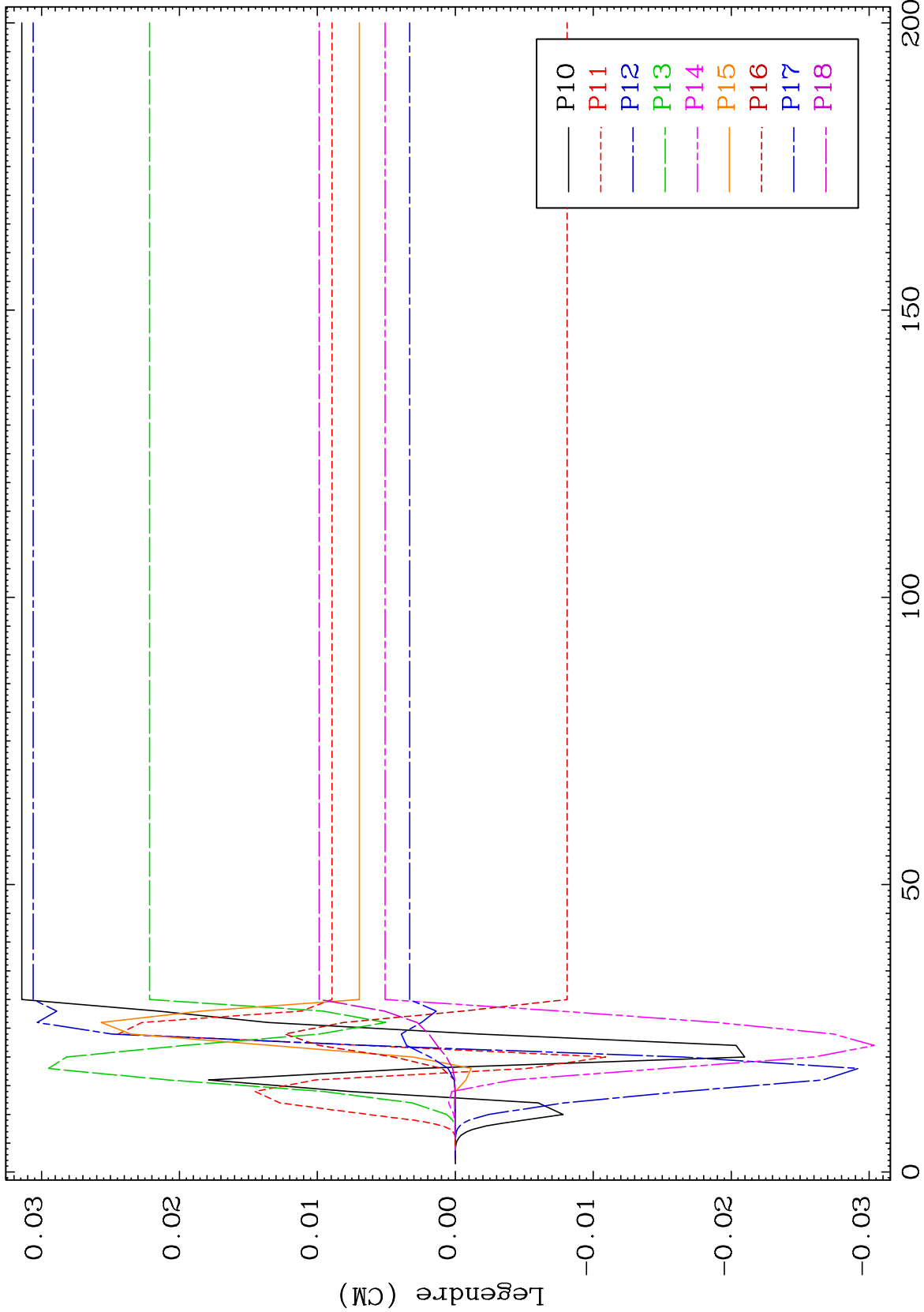
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



33

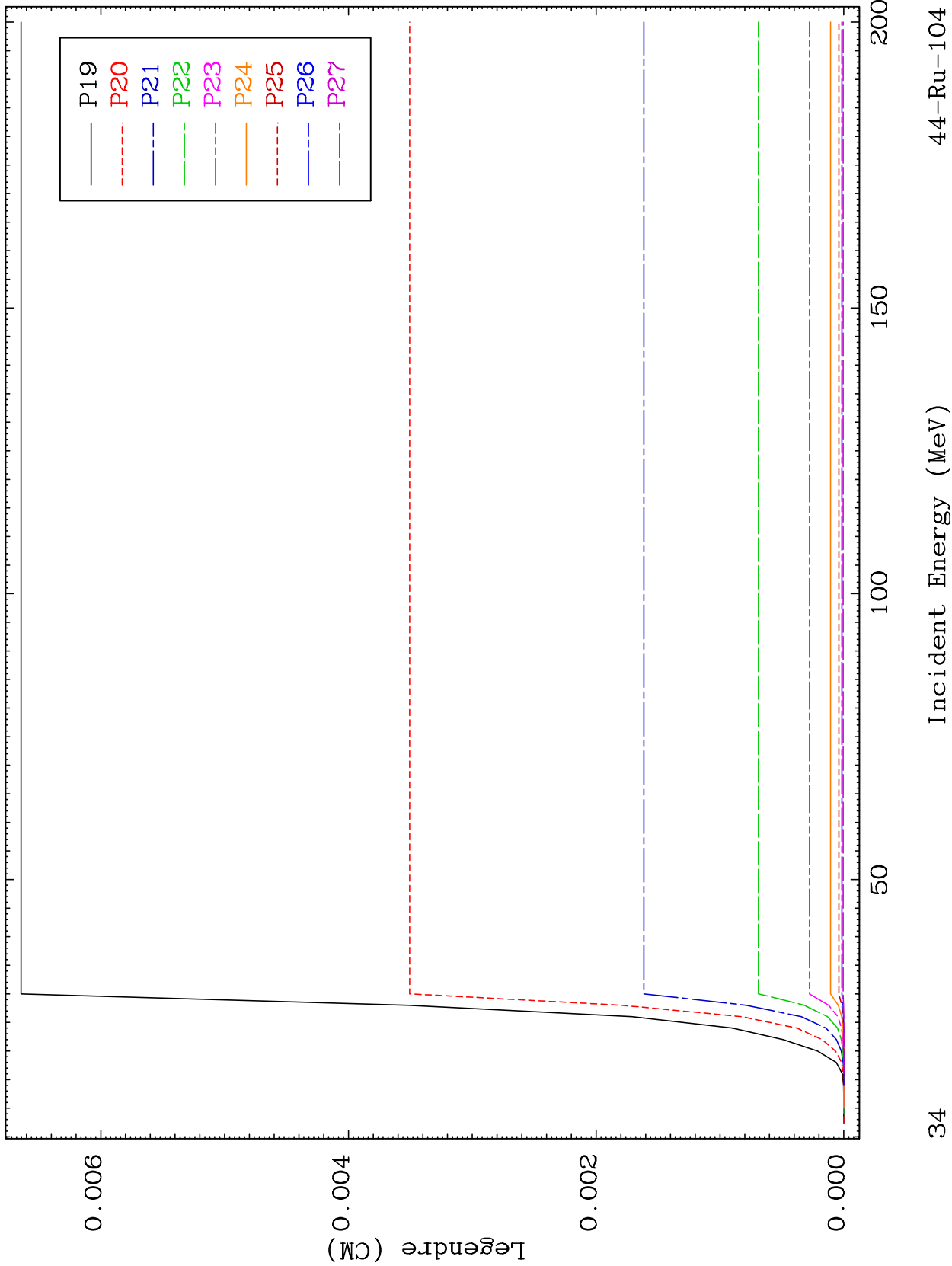
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

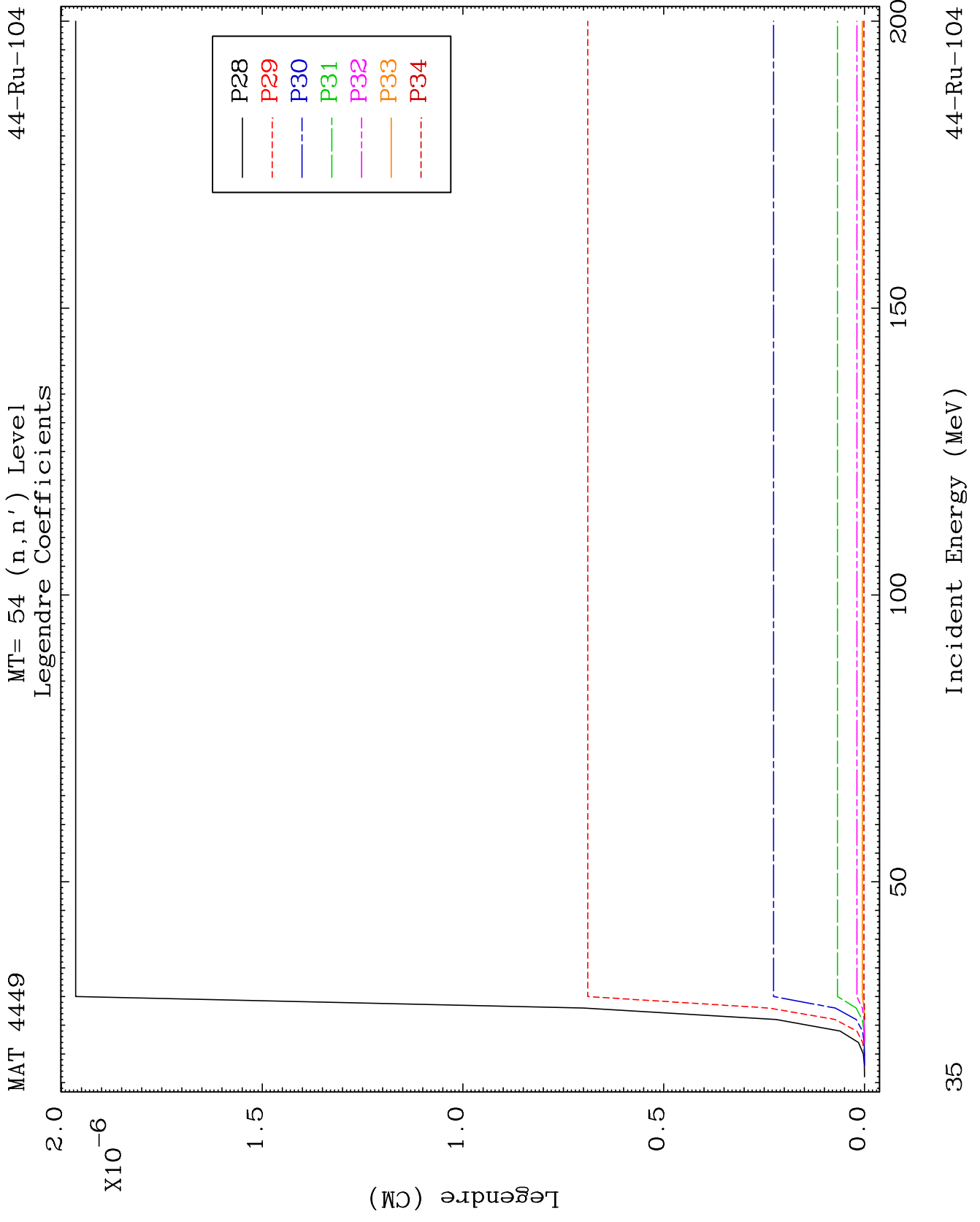
44-Ru-104



34

Incident Energy (MeV)

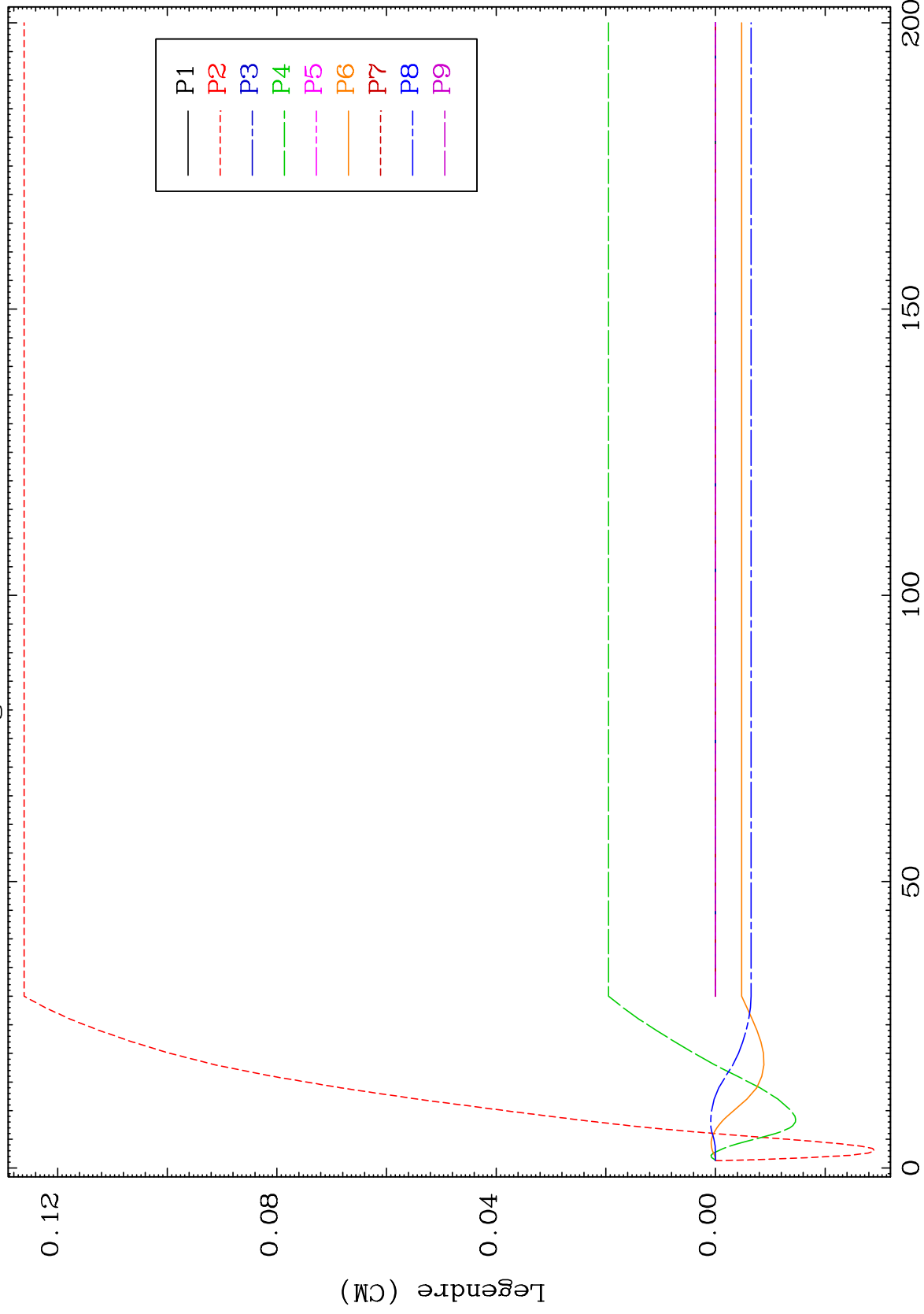
44-Ru-104



MAT 4449

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

44-Ru-104



36

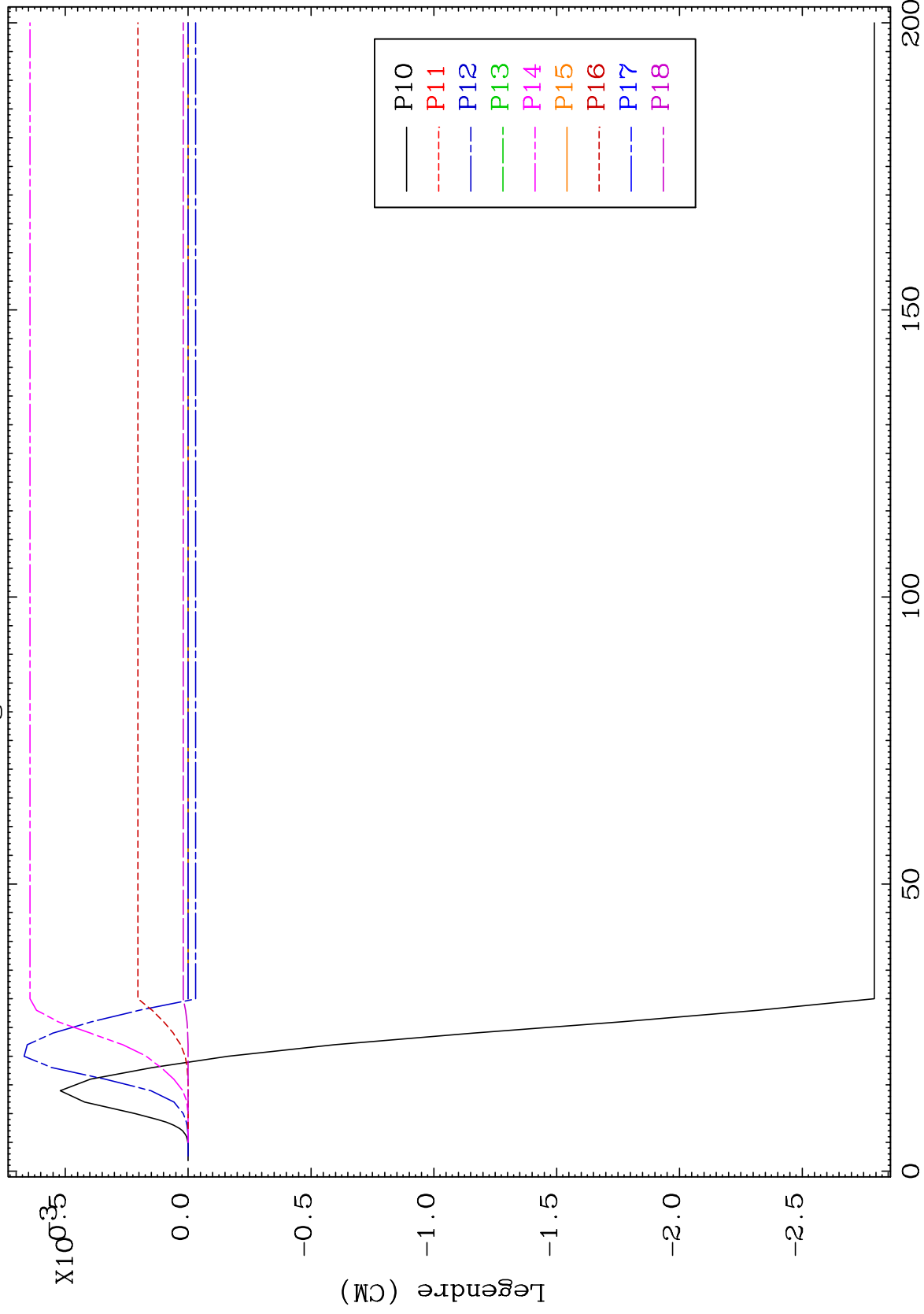
44-Ru-104

44-Ru-104

MAT 4449

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

44-Ru-104



37

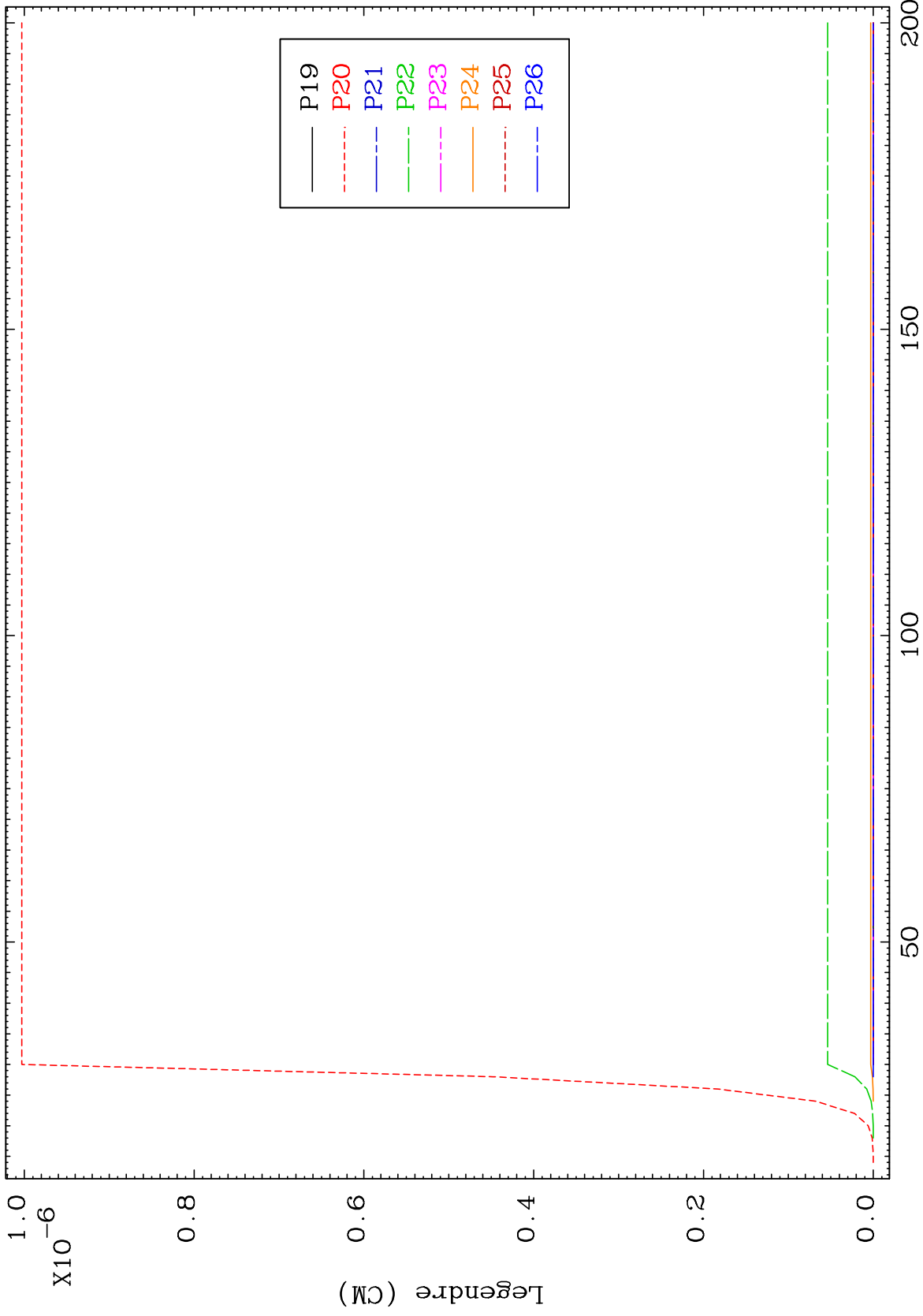
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

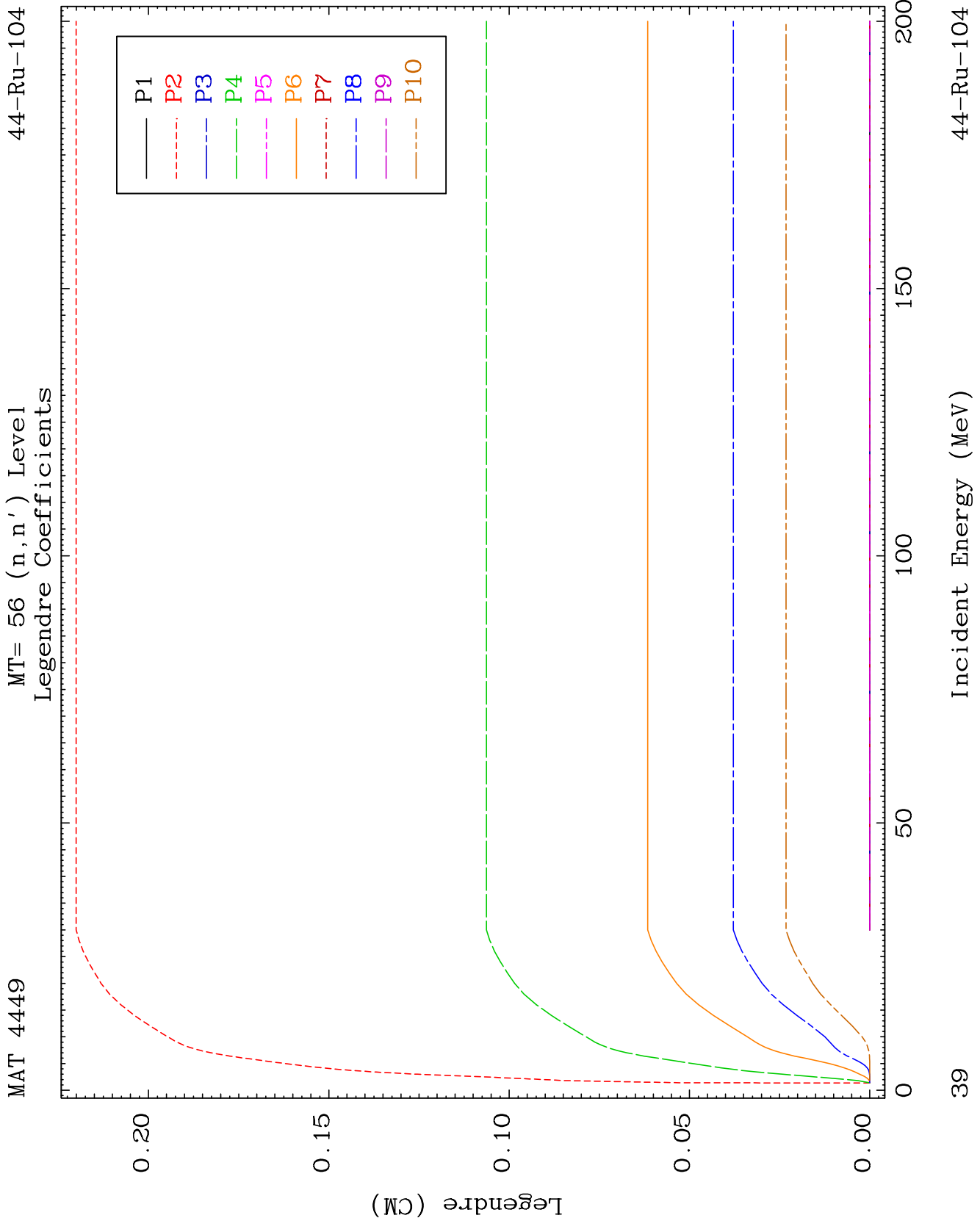
44-Ru-104



38

Incident Energy (MeV)

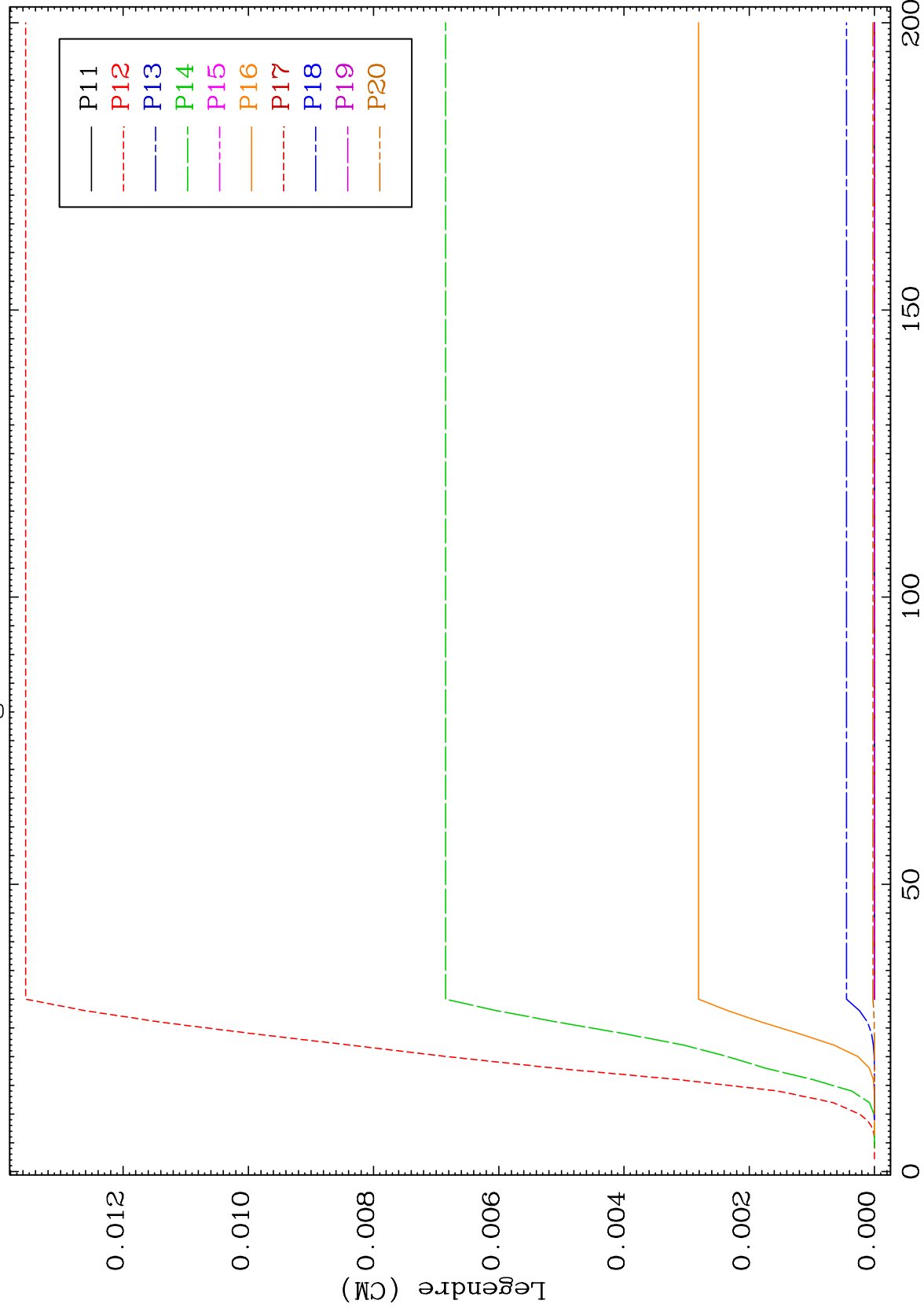
44-Ru-104



MAT 4449

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

44-Ru-104



40

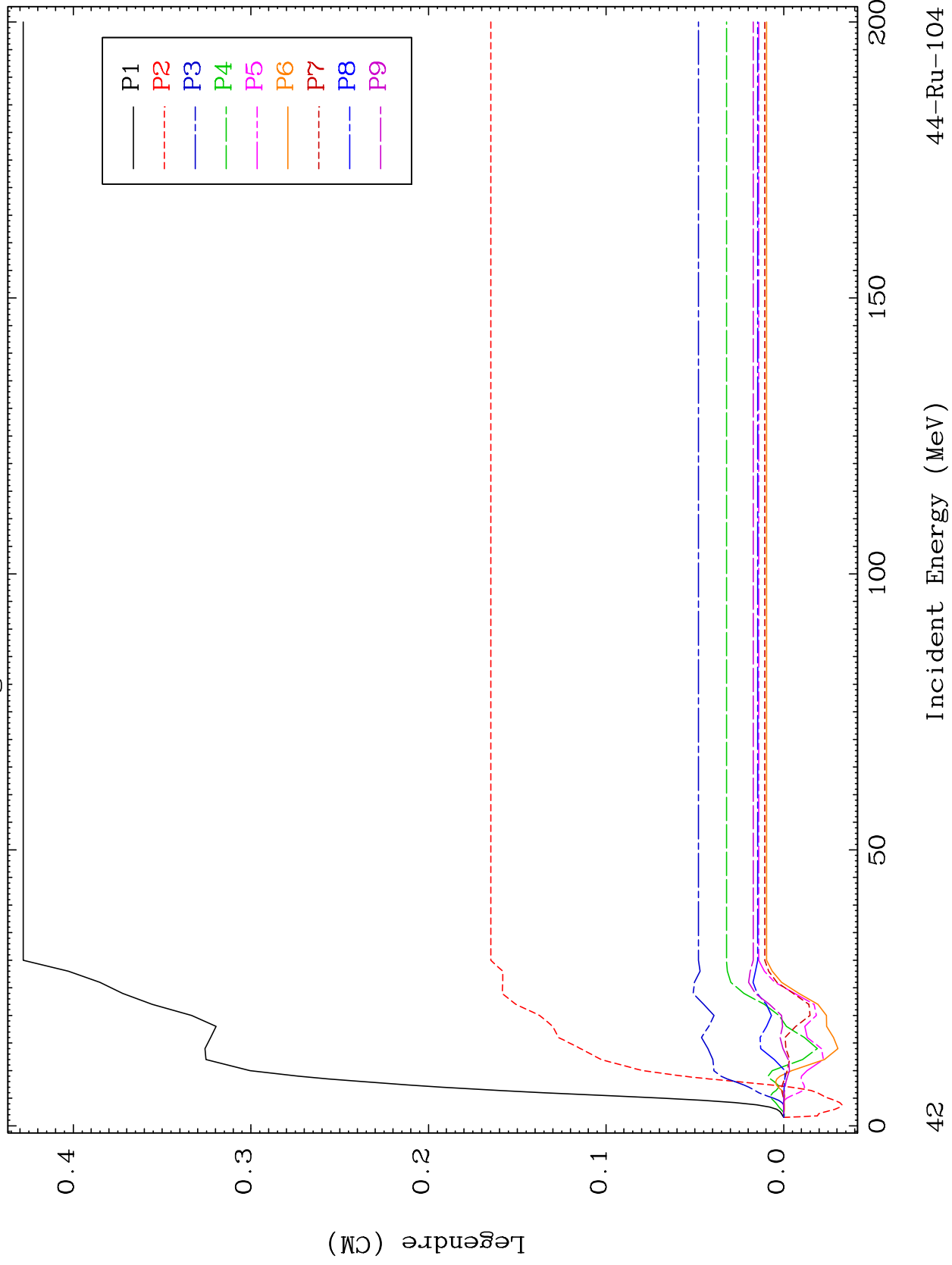
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

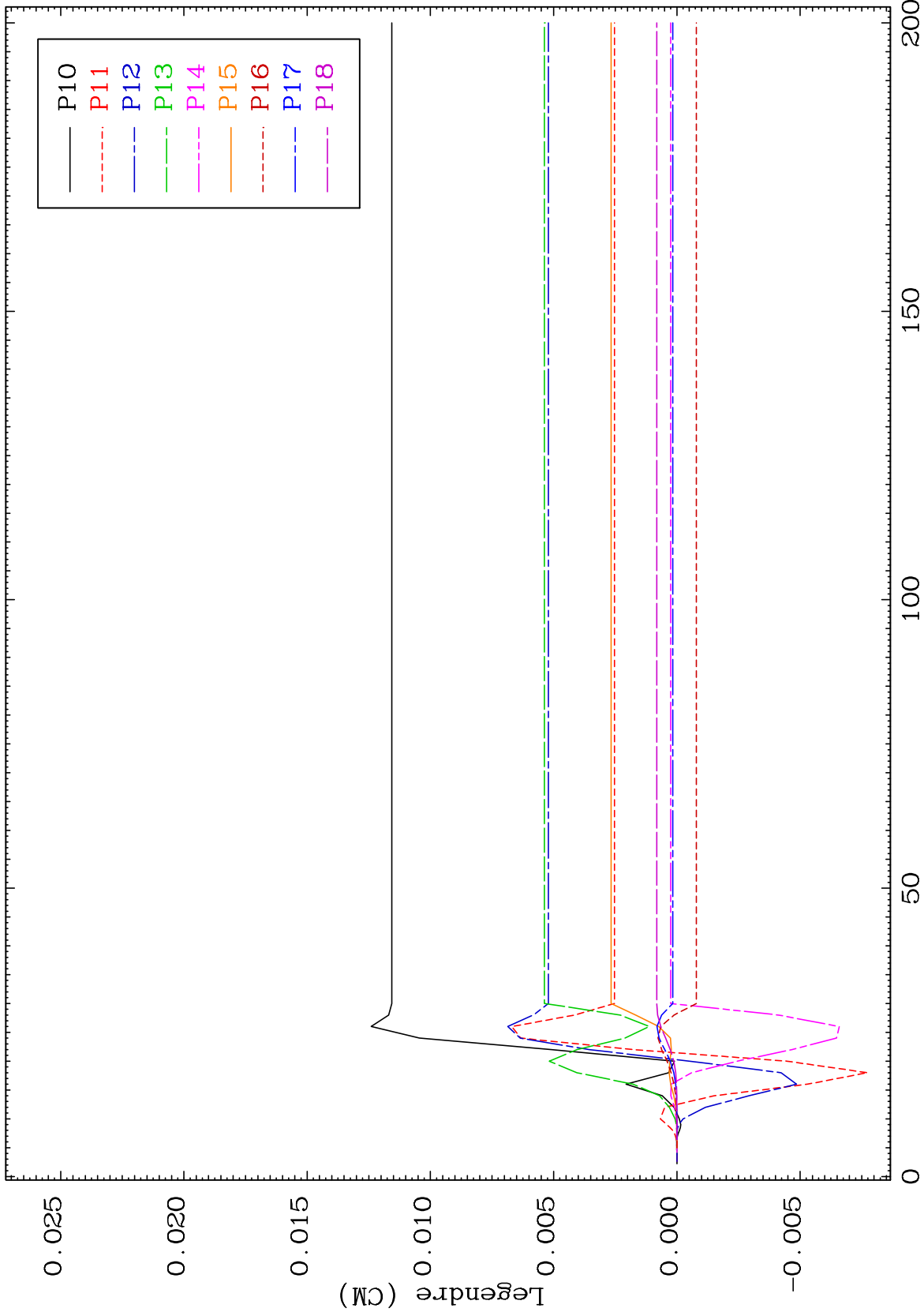
44-Ru-104



MAT 4449

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

44-Ru-104



43

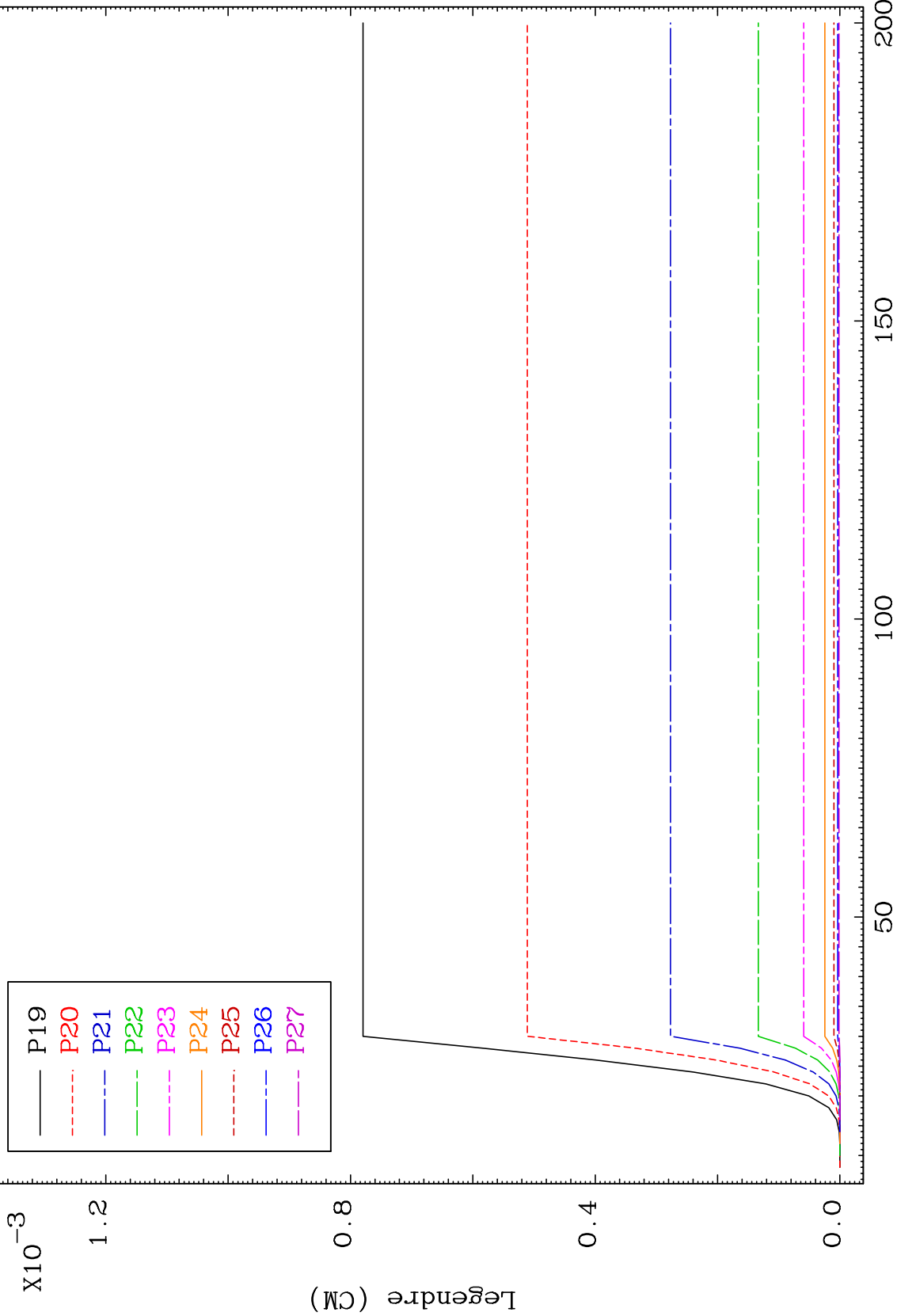
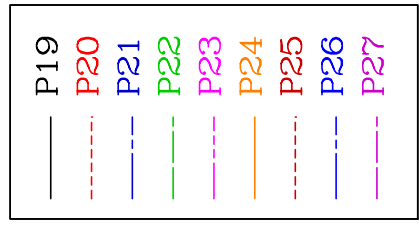
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



44

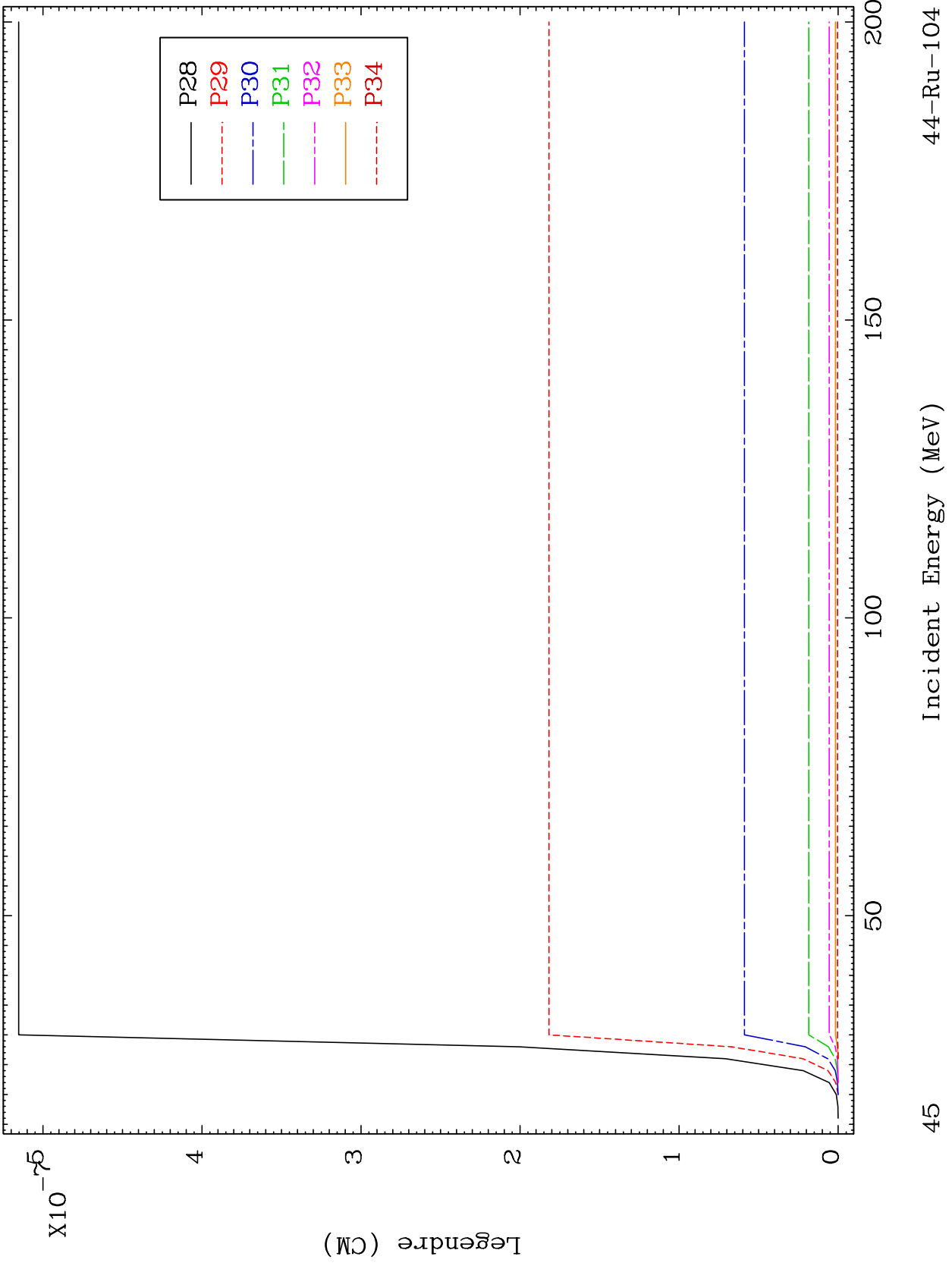
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

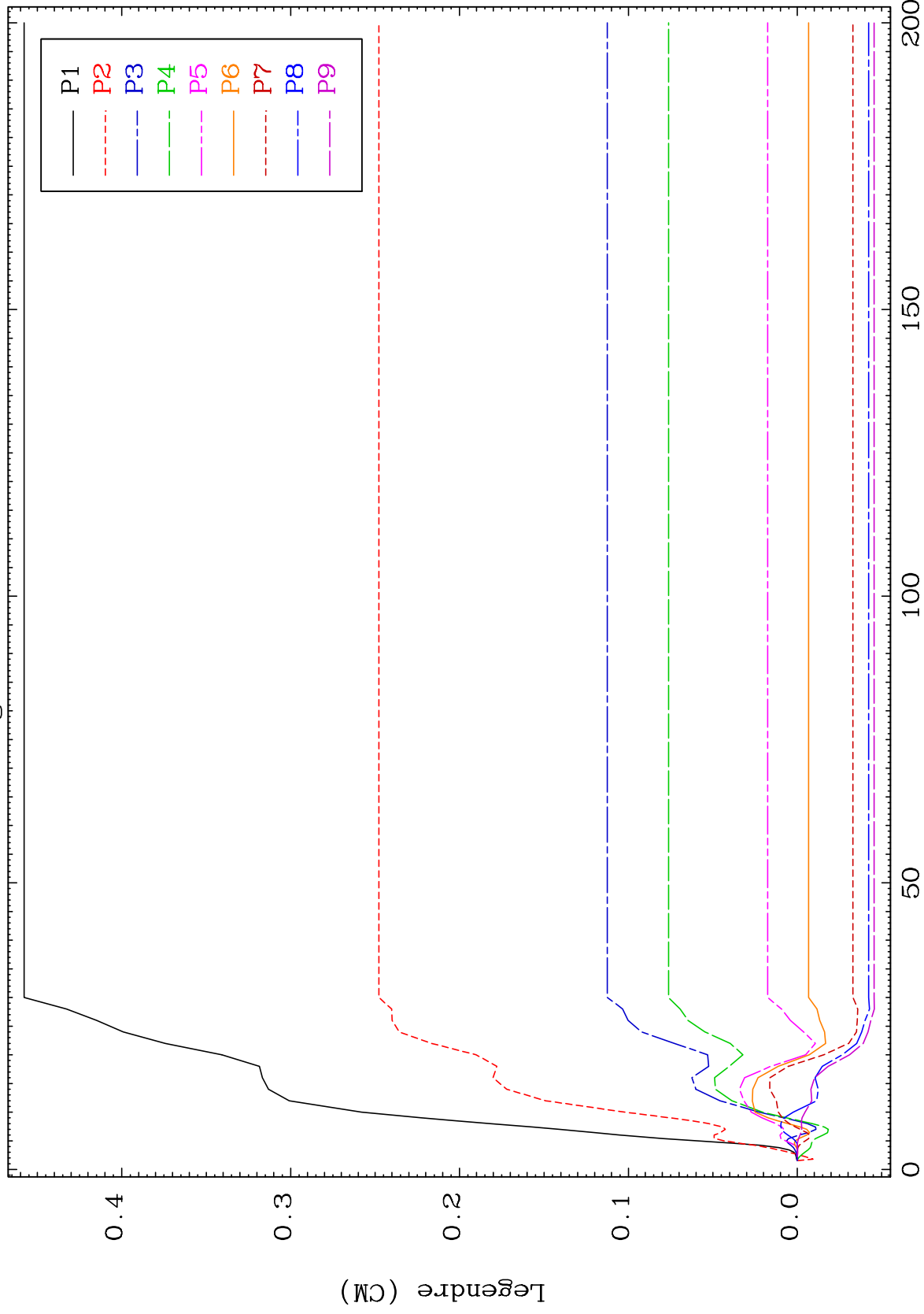
44-Ru-104



MAT 4449

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

44-Ru-104



46

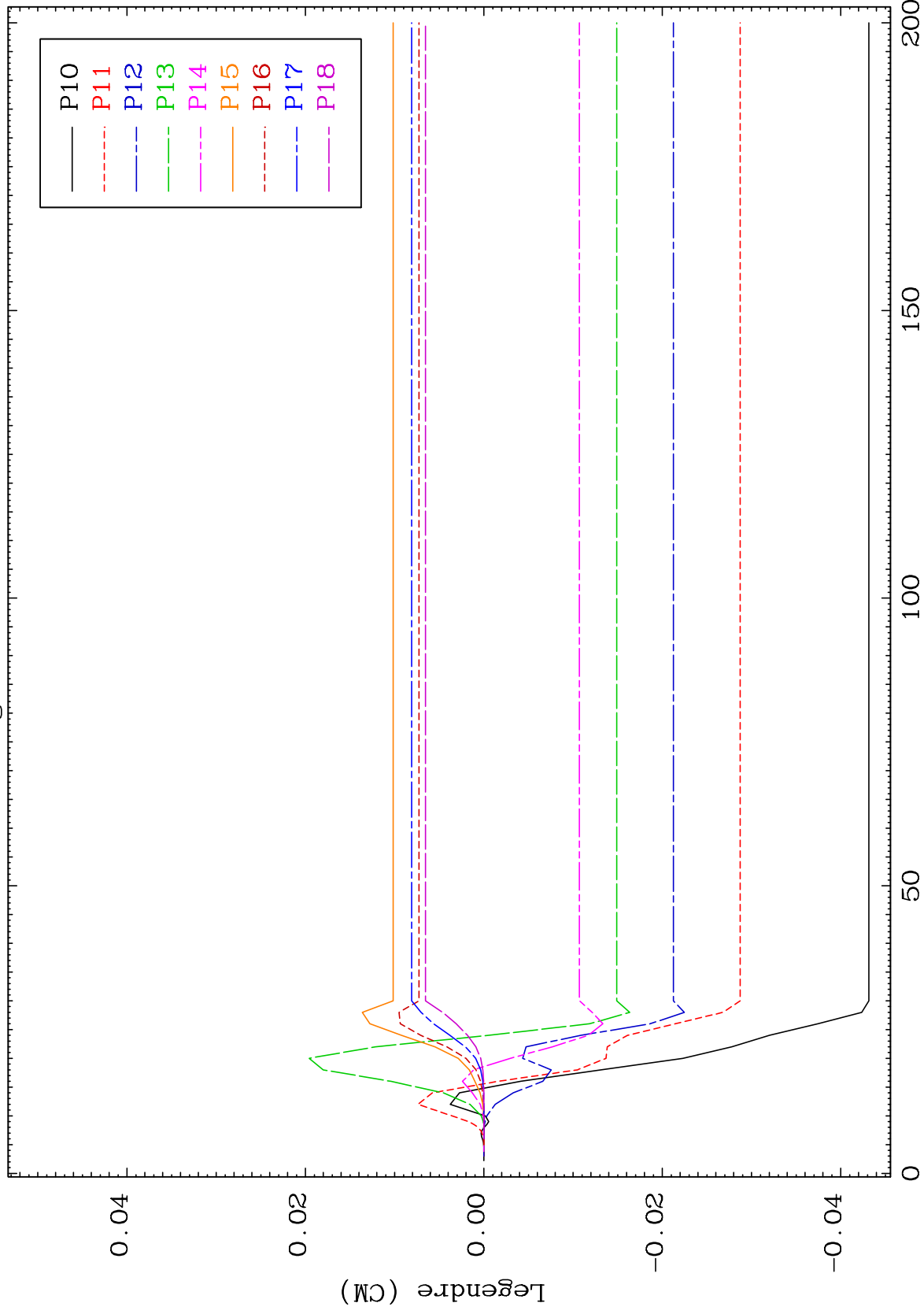
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



47

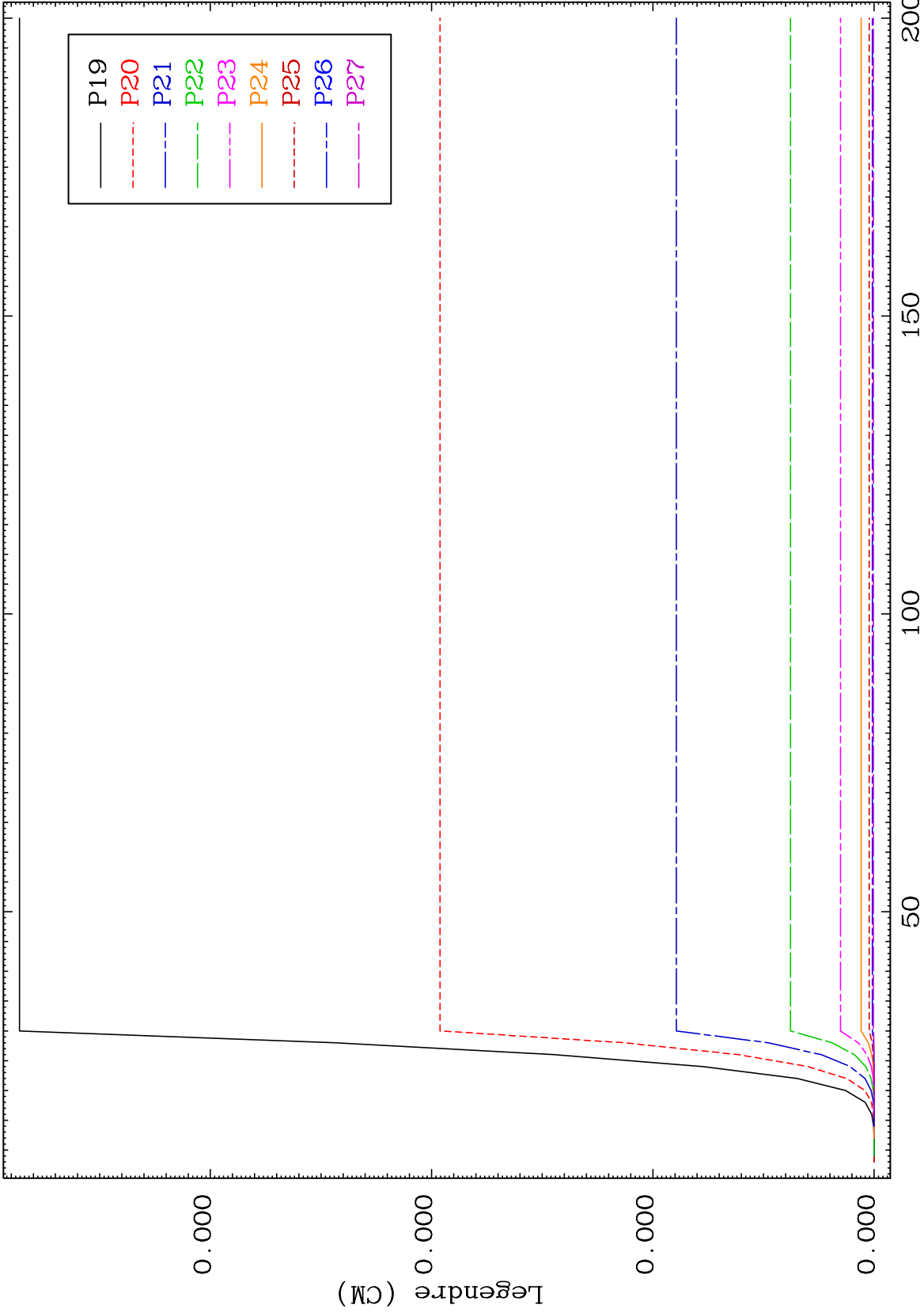
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



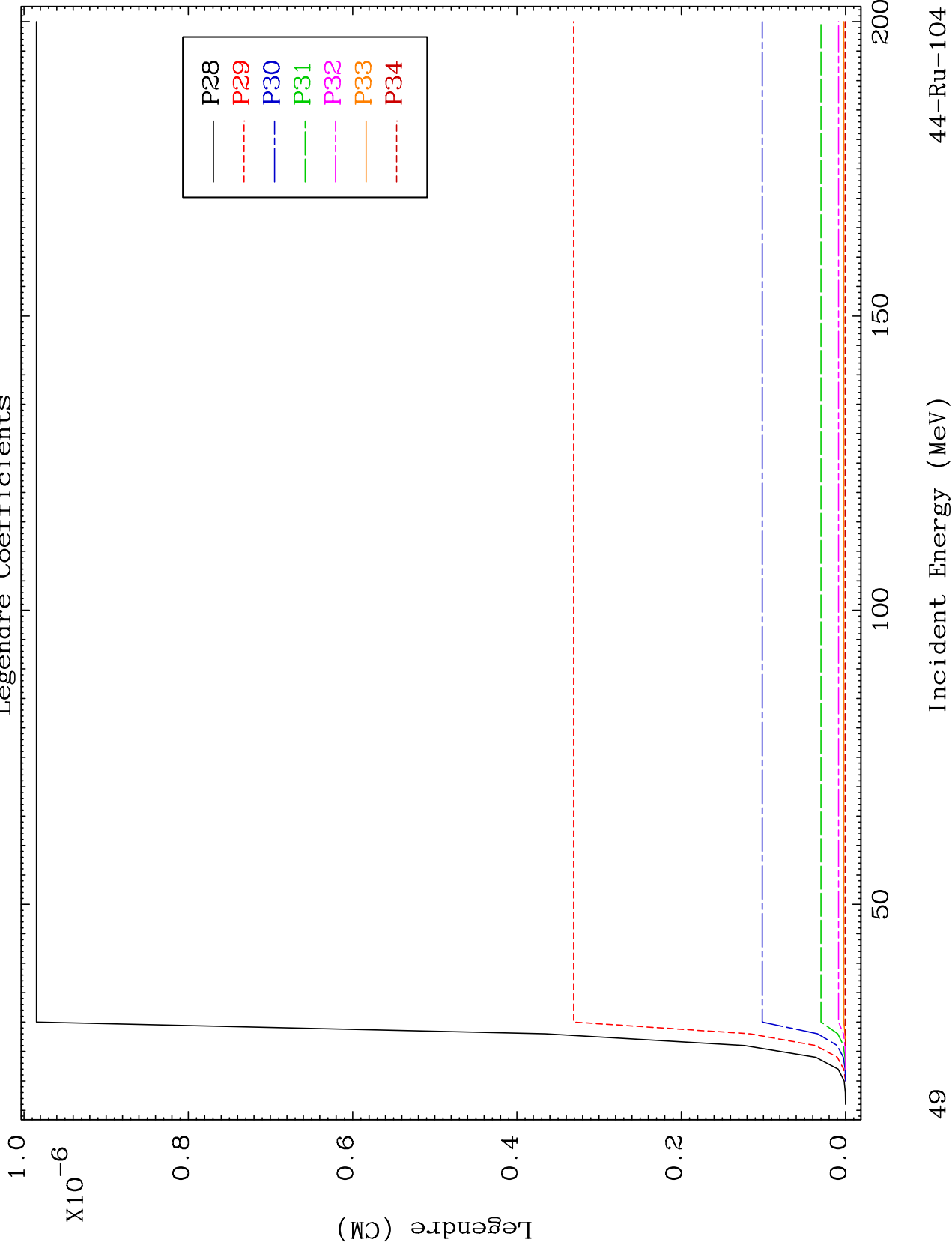
48

44-Ru-104

MAT 4449

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

44-Ru-104

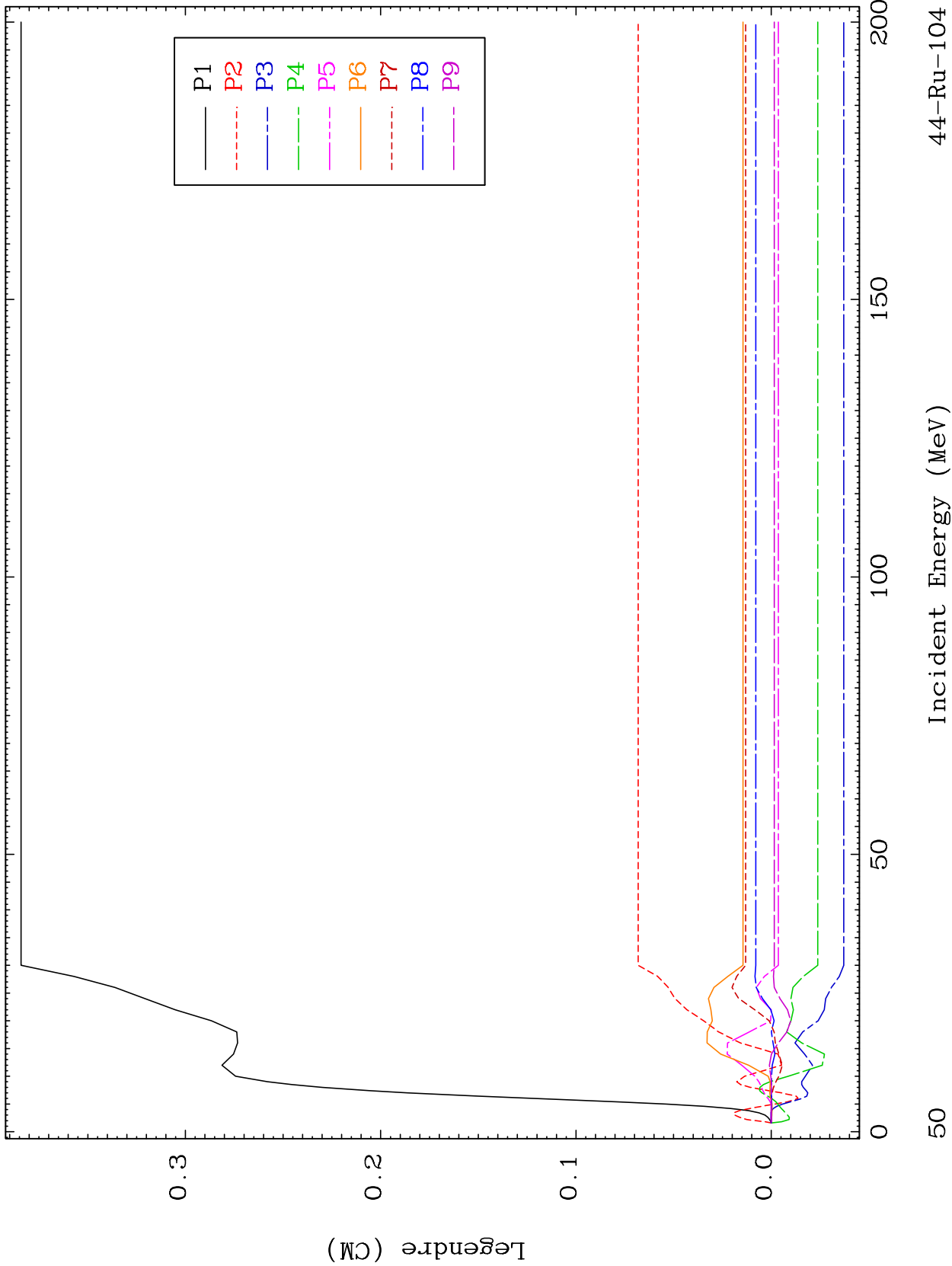


49

MAT 4449

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

44-Ru-104



44-Ru-104

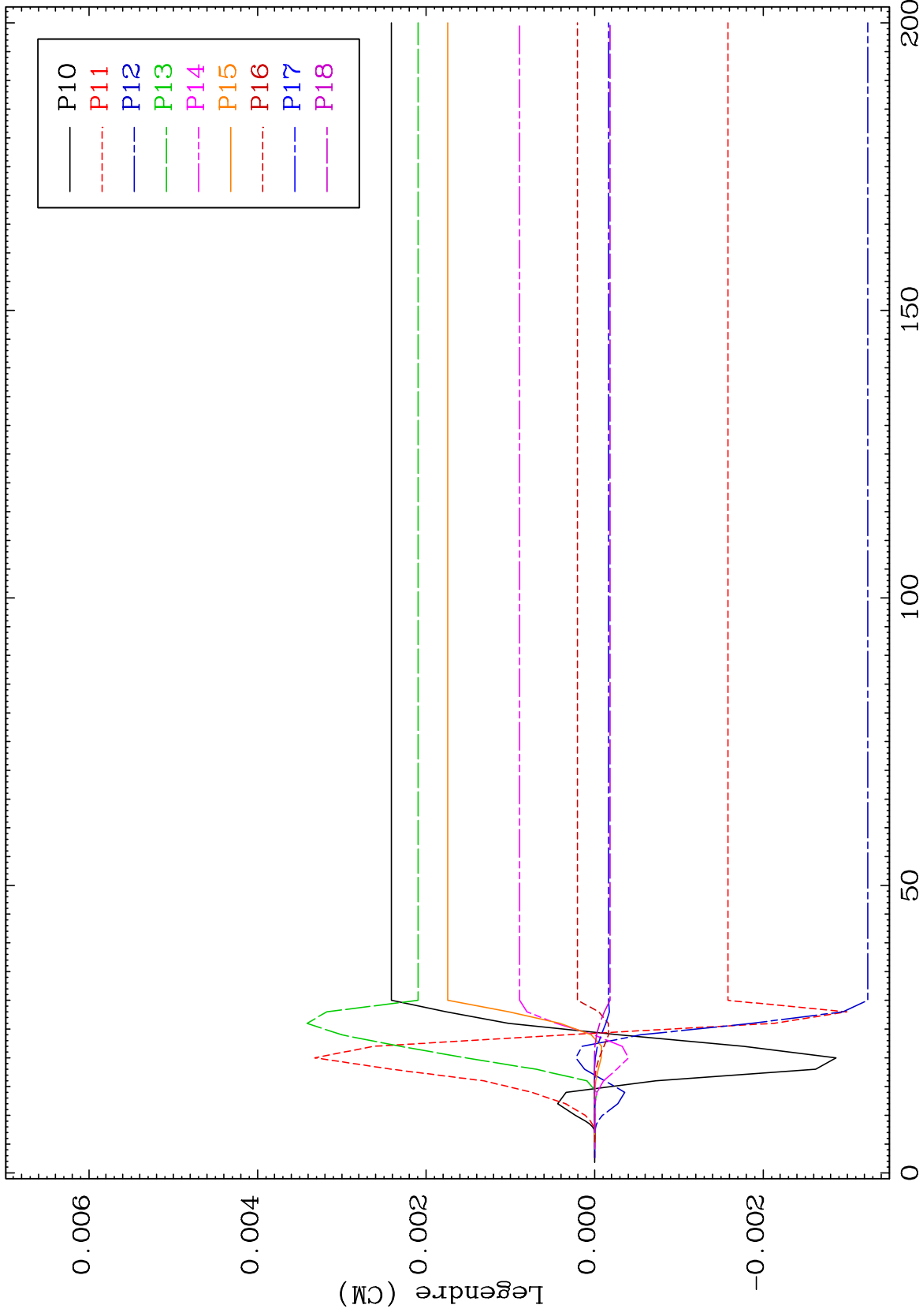
Incident Energy (MeV)

50

MAT 4449

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

44-Ru-104



51

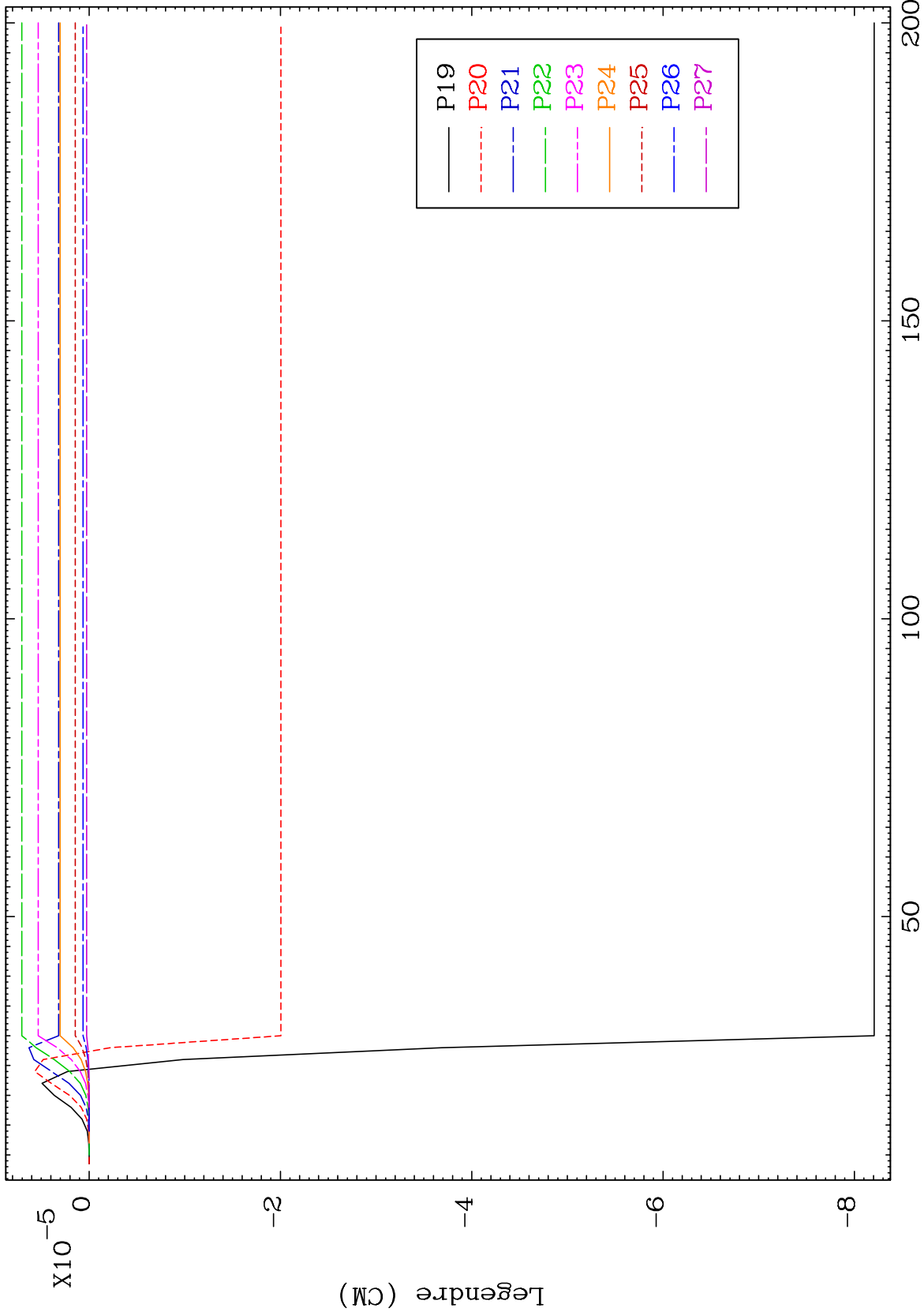
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



52

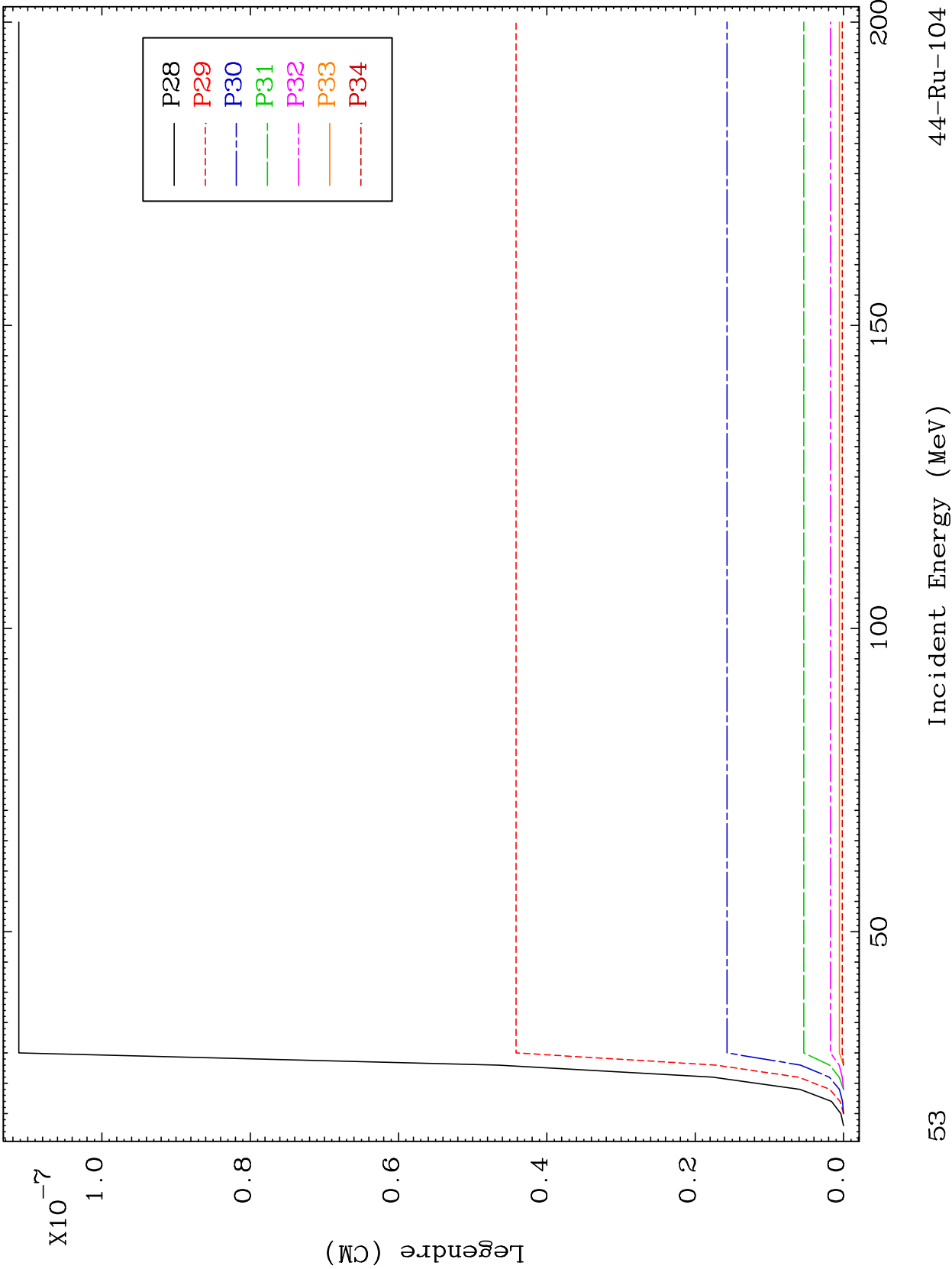
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



53

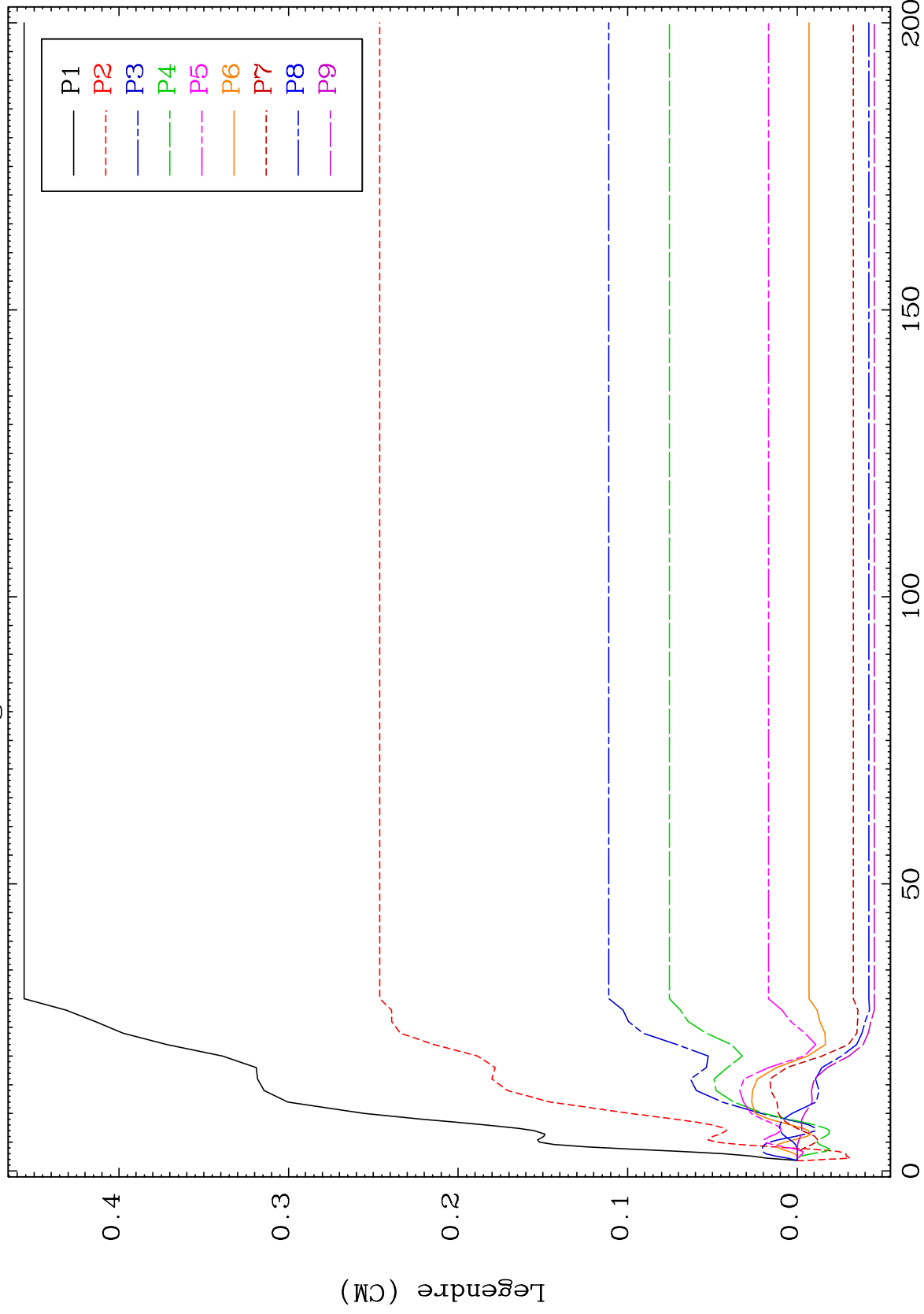
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



54

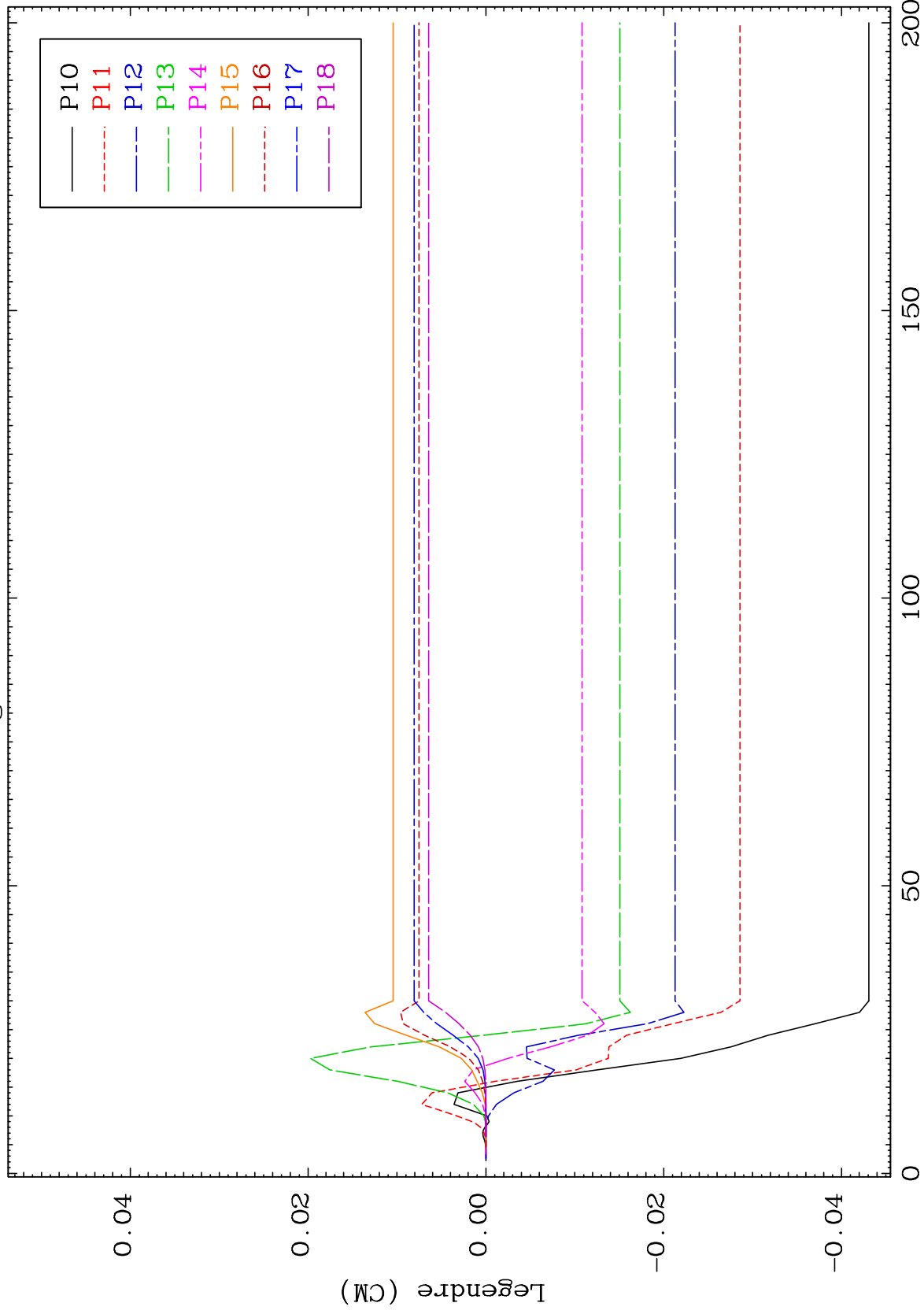
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



55

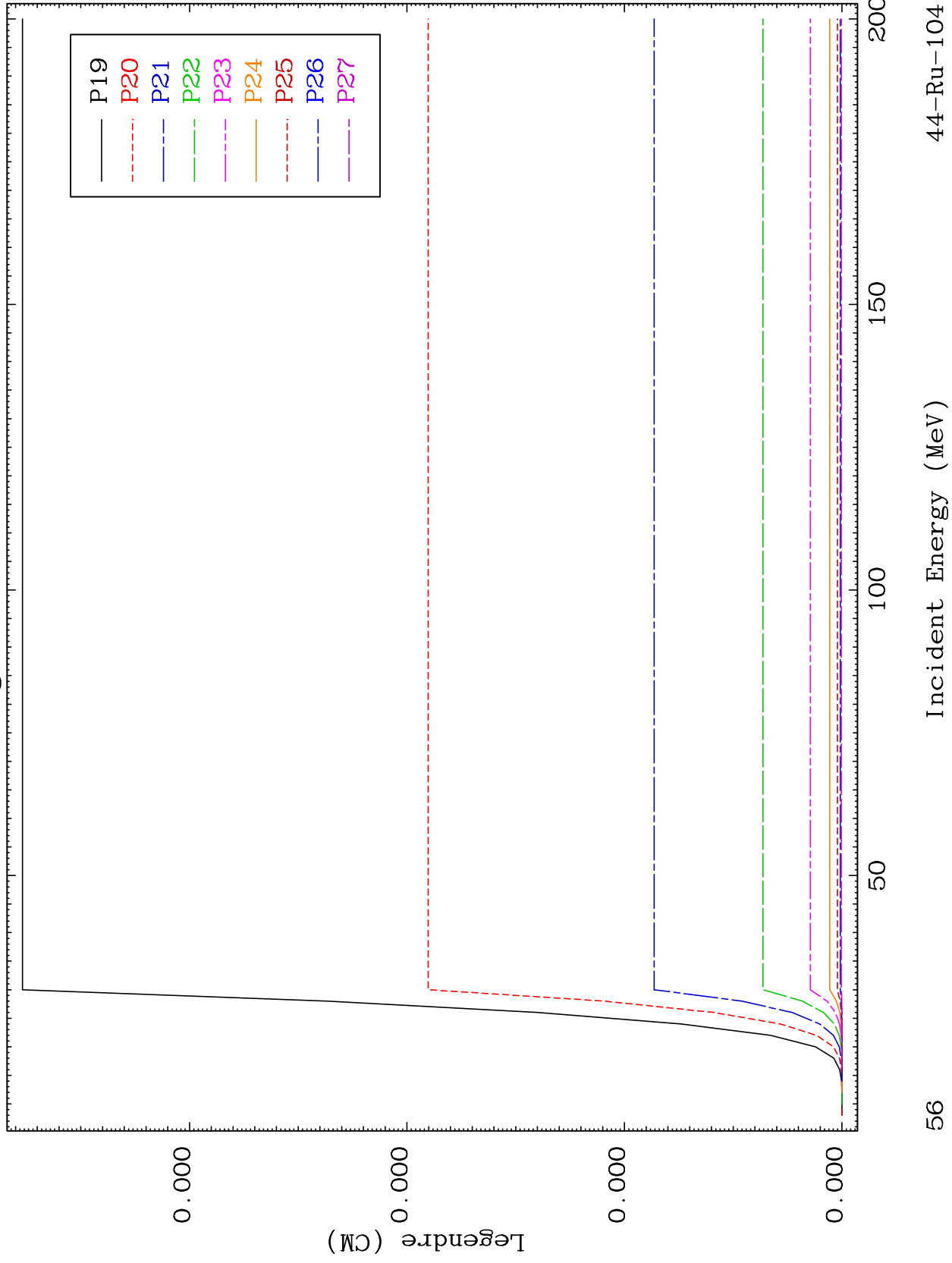
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



56

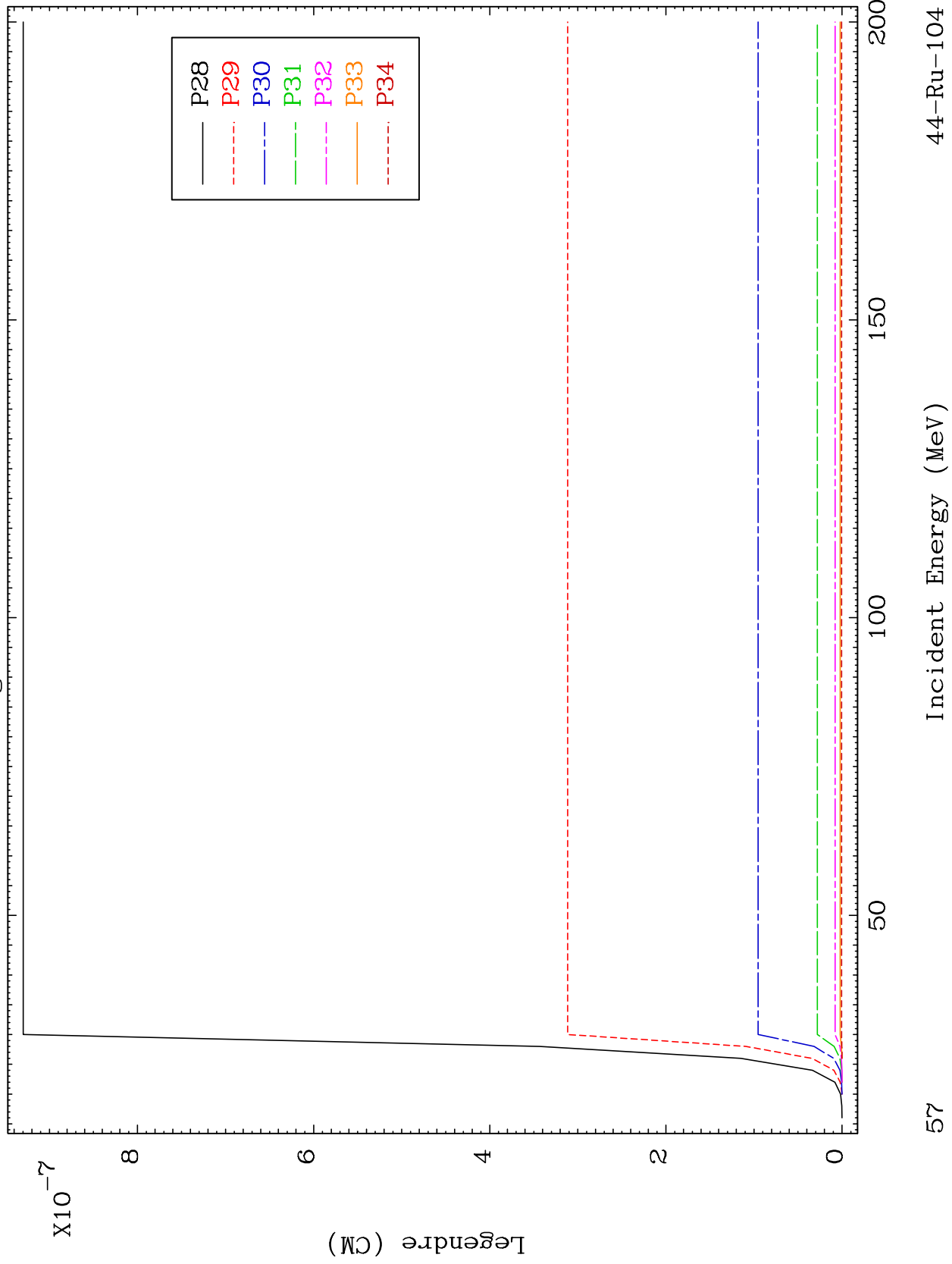
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



57

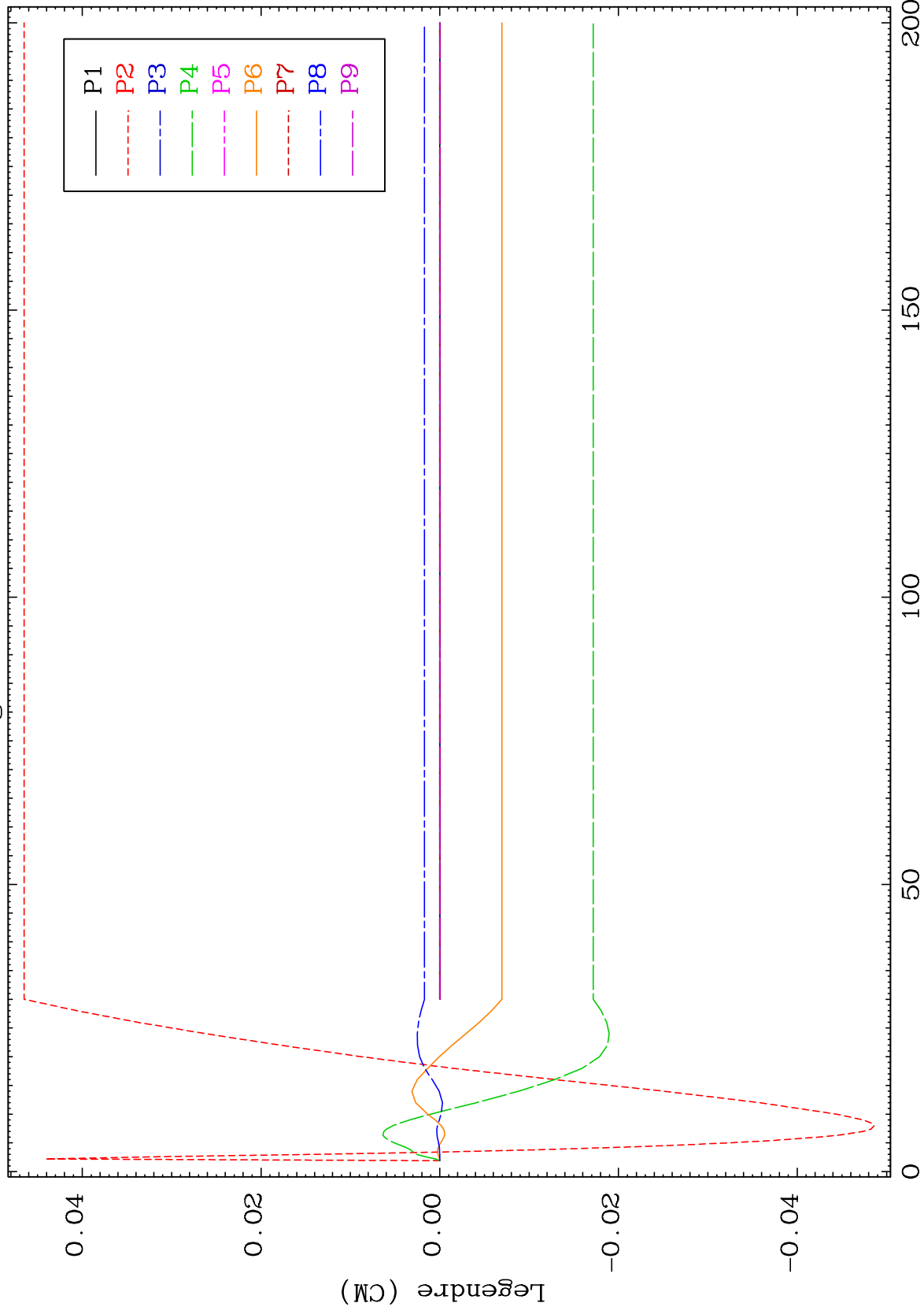
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



44-Ru-104

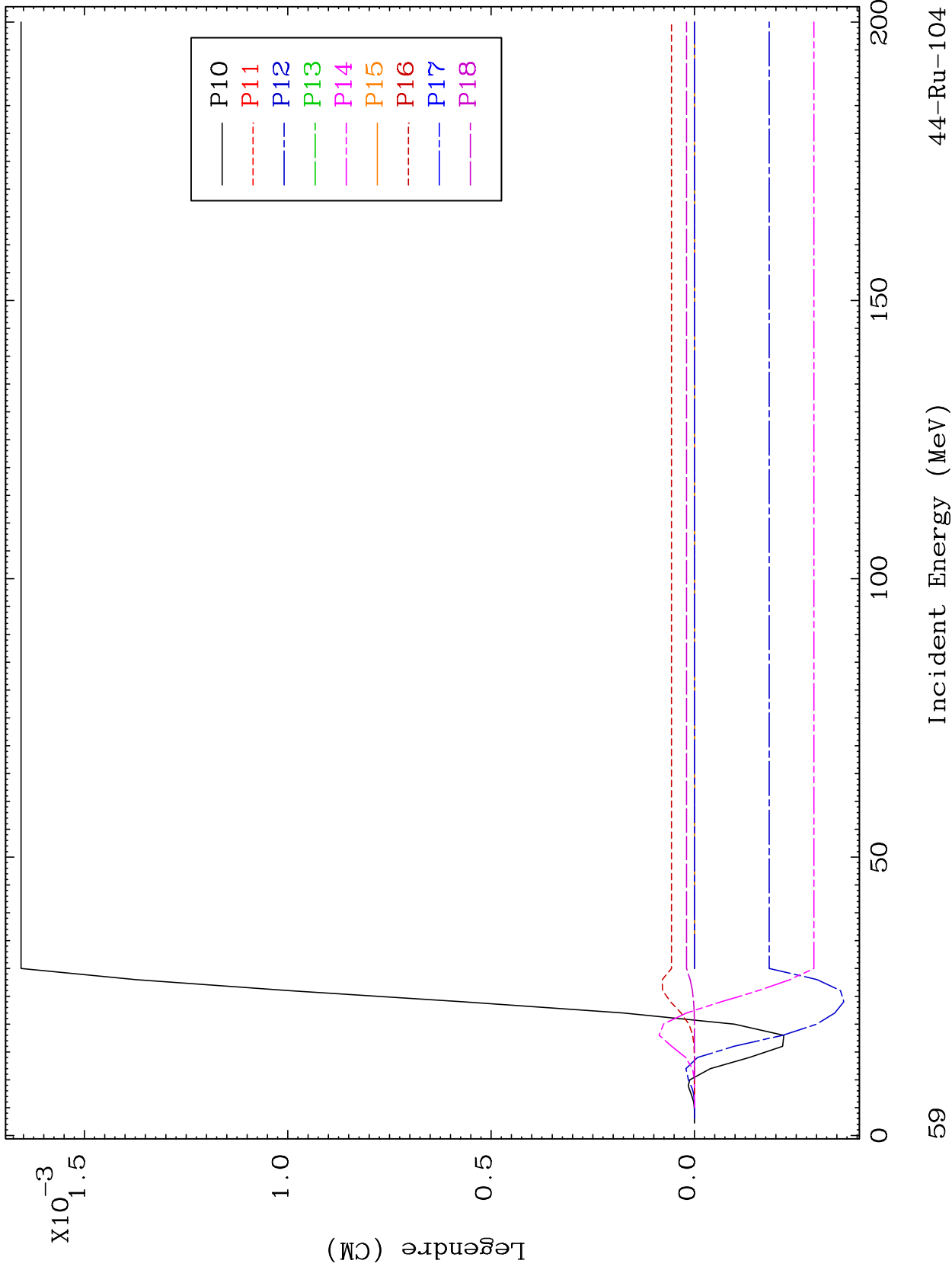
Incident Energy (MeV)

58

MAT 4449

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

44-Ru-104



59

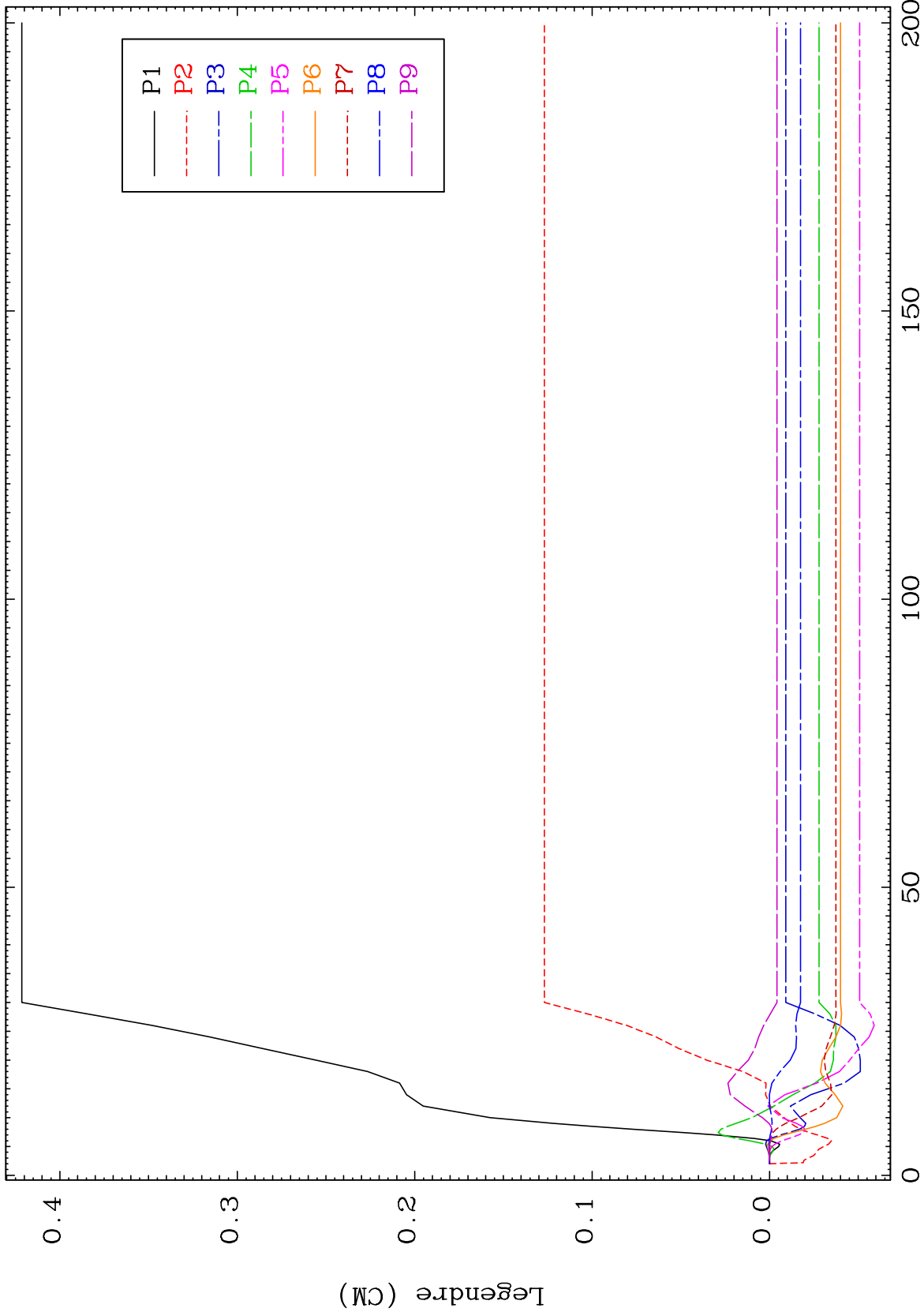
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

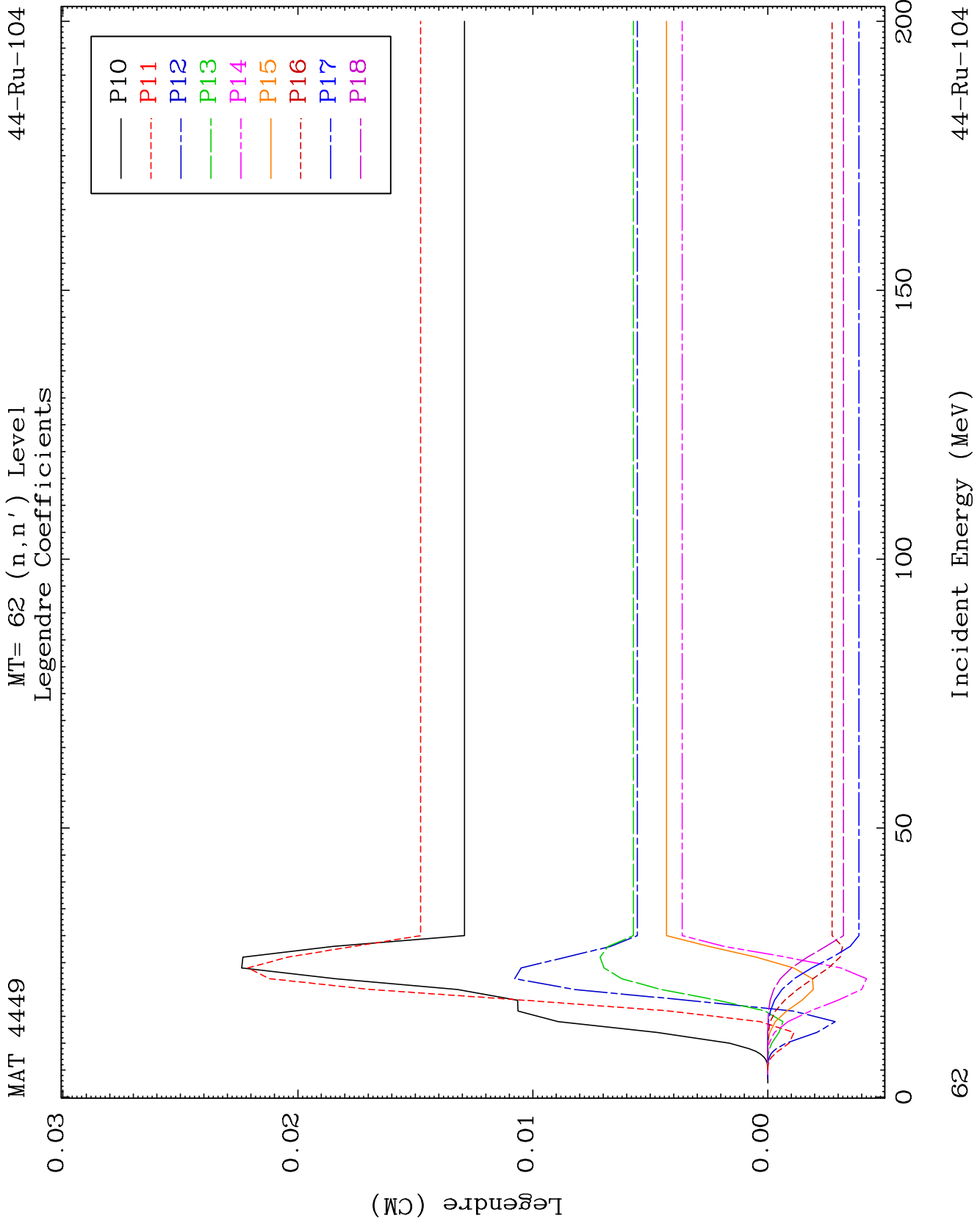
44-Ru-104



61

Incident Energy (MeV)

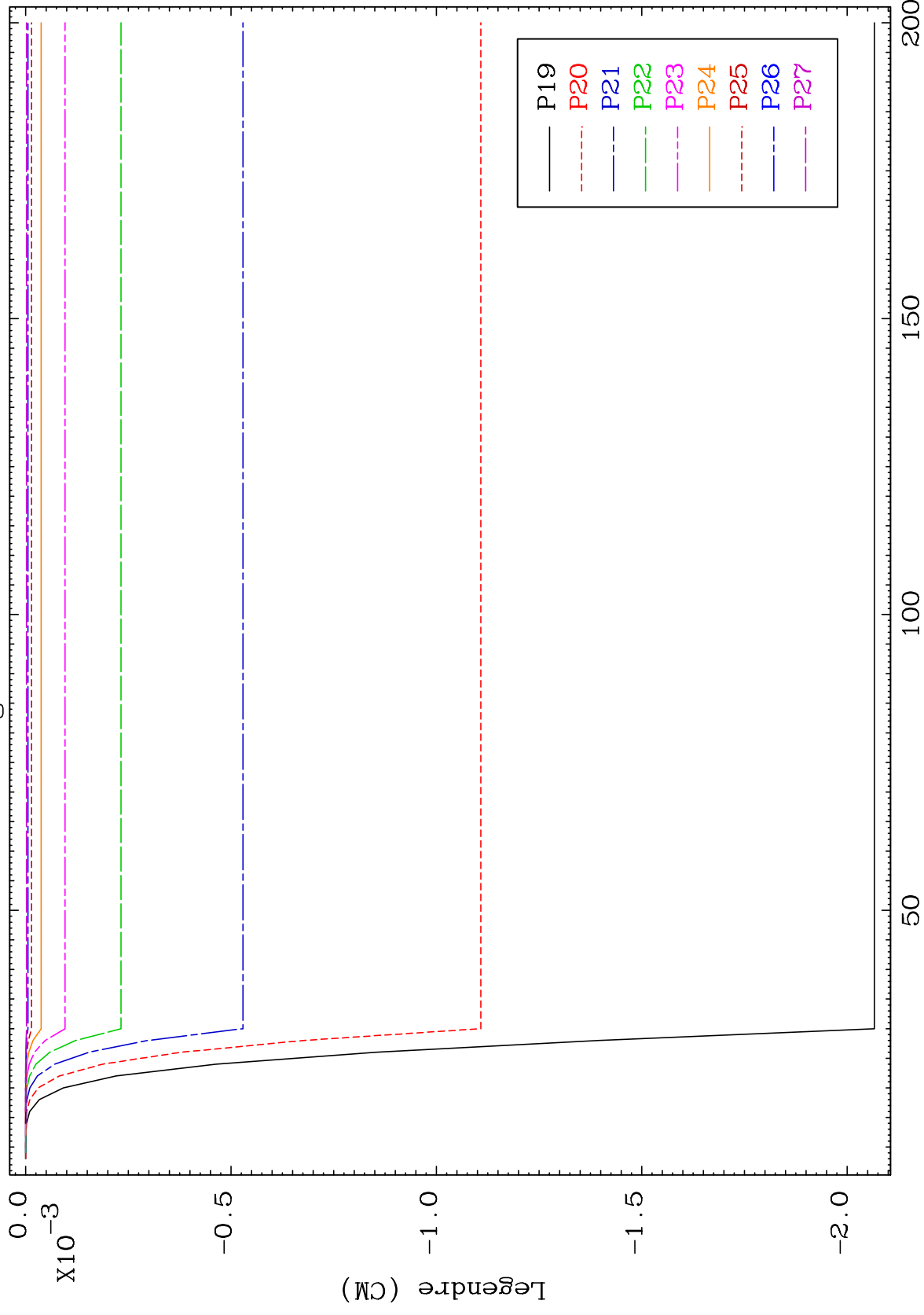
44-Ru-104



MAT 4449

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

44-Ru-104



63

Incident Energy (MeV)

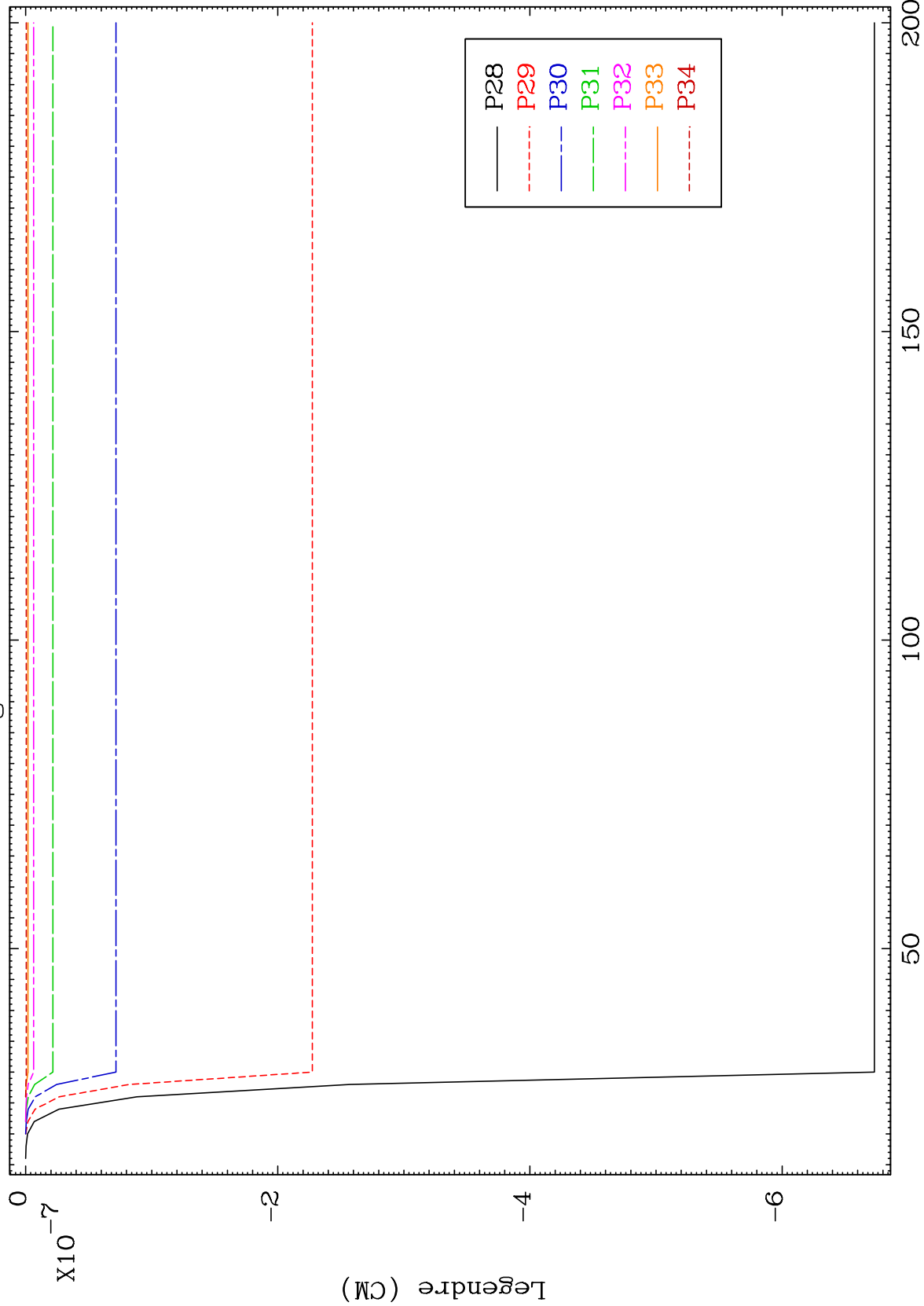
44-Ru-104

MAT 4449

MT= 62 (n,n') Level

44-Ru-104

Legendre Coefficients



64

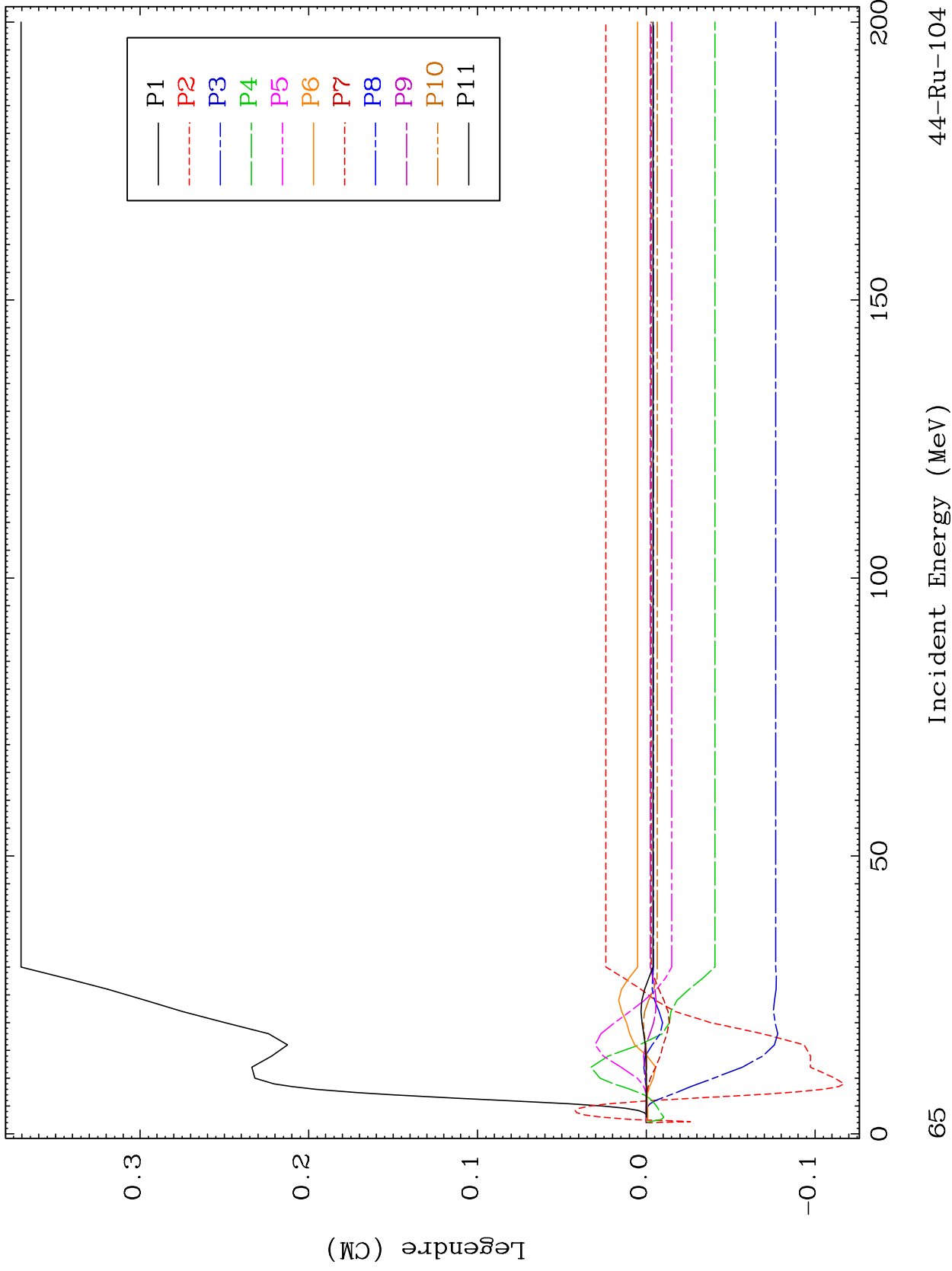
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



44-Ru-104

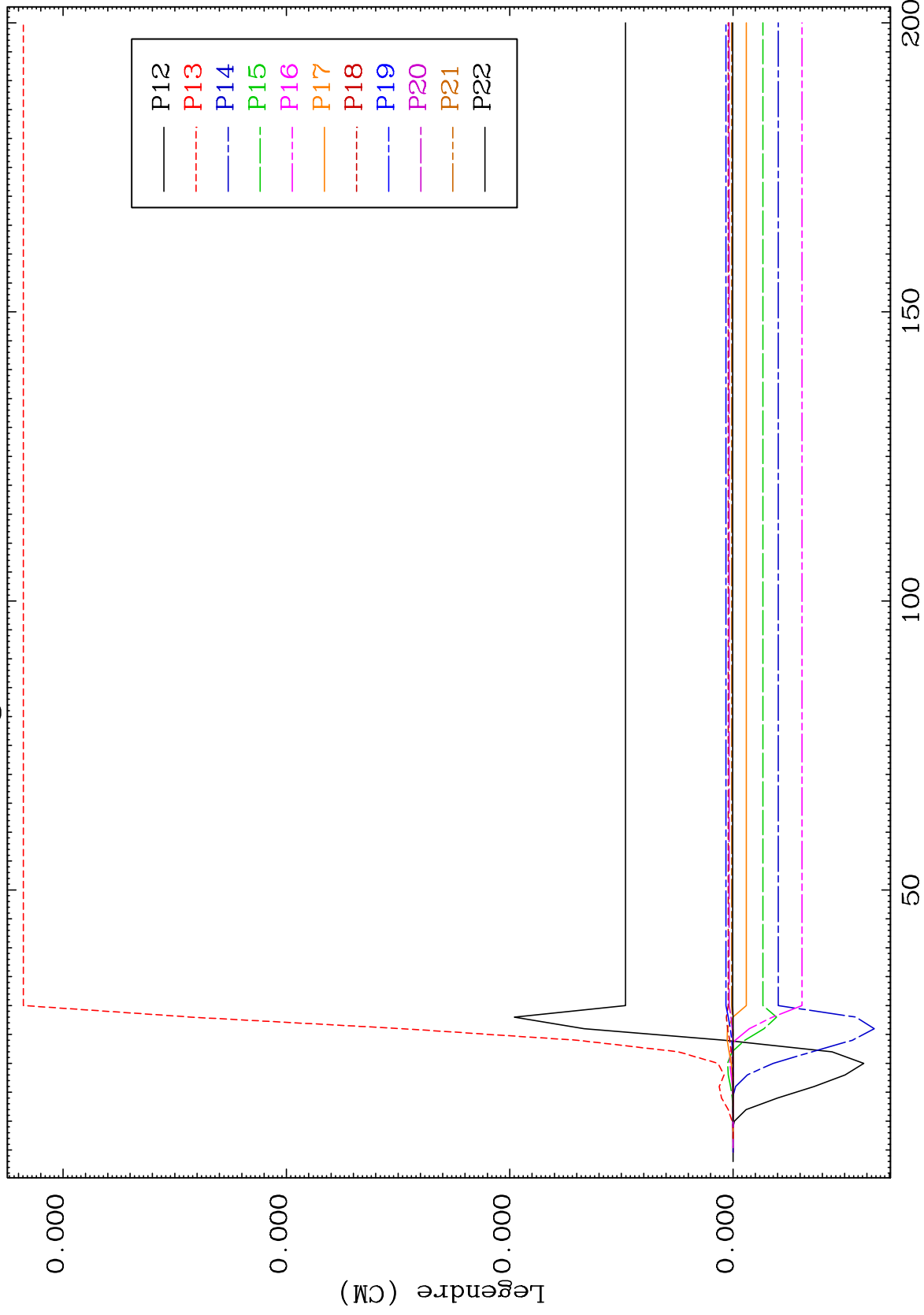
Incident Energy (MeV)

65

MAT 4449

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

44-Ru-104



66

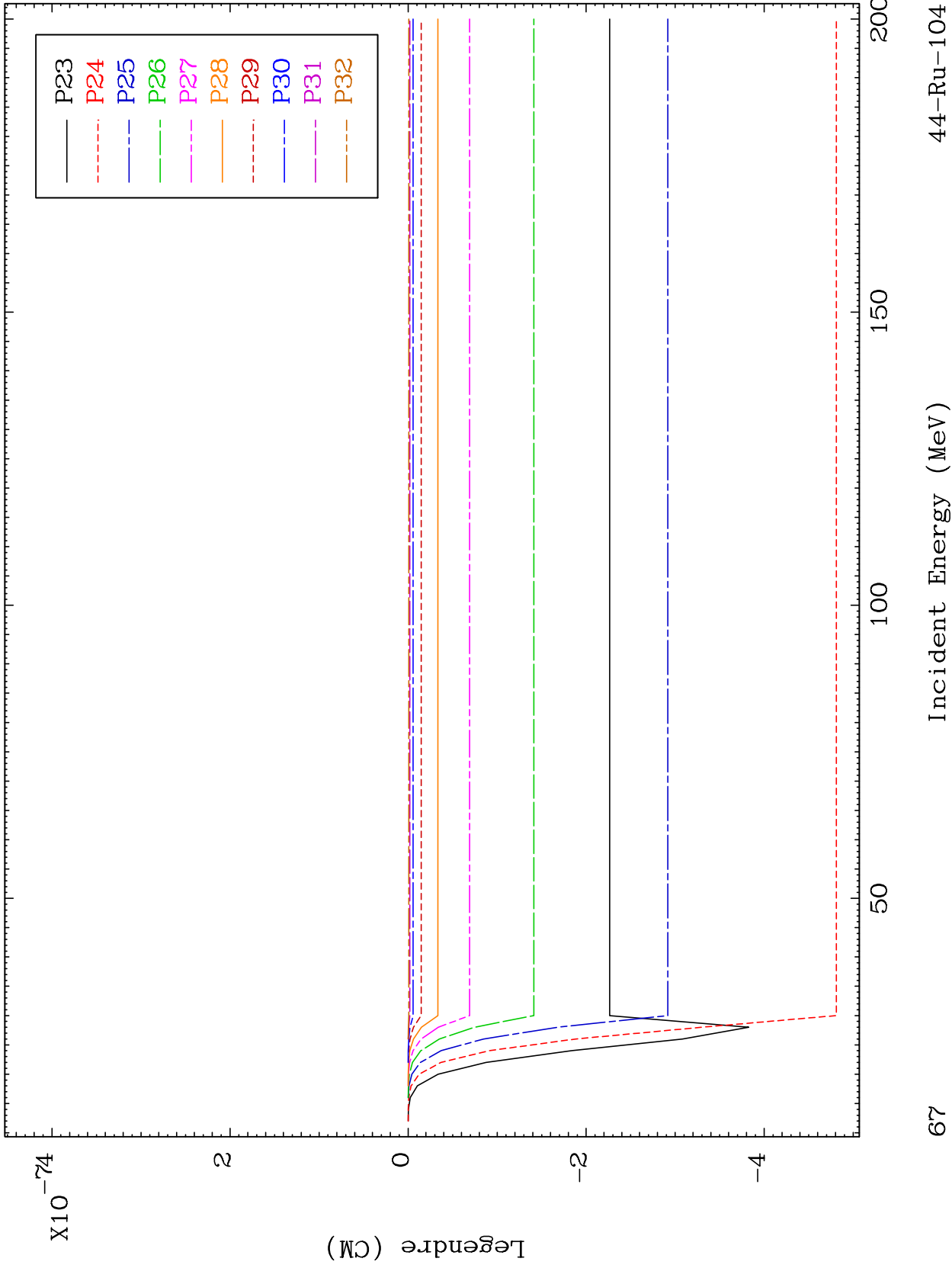
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

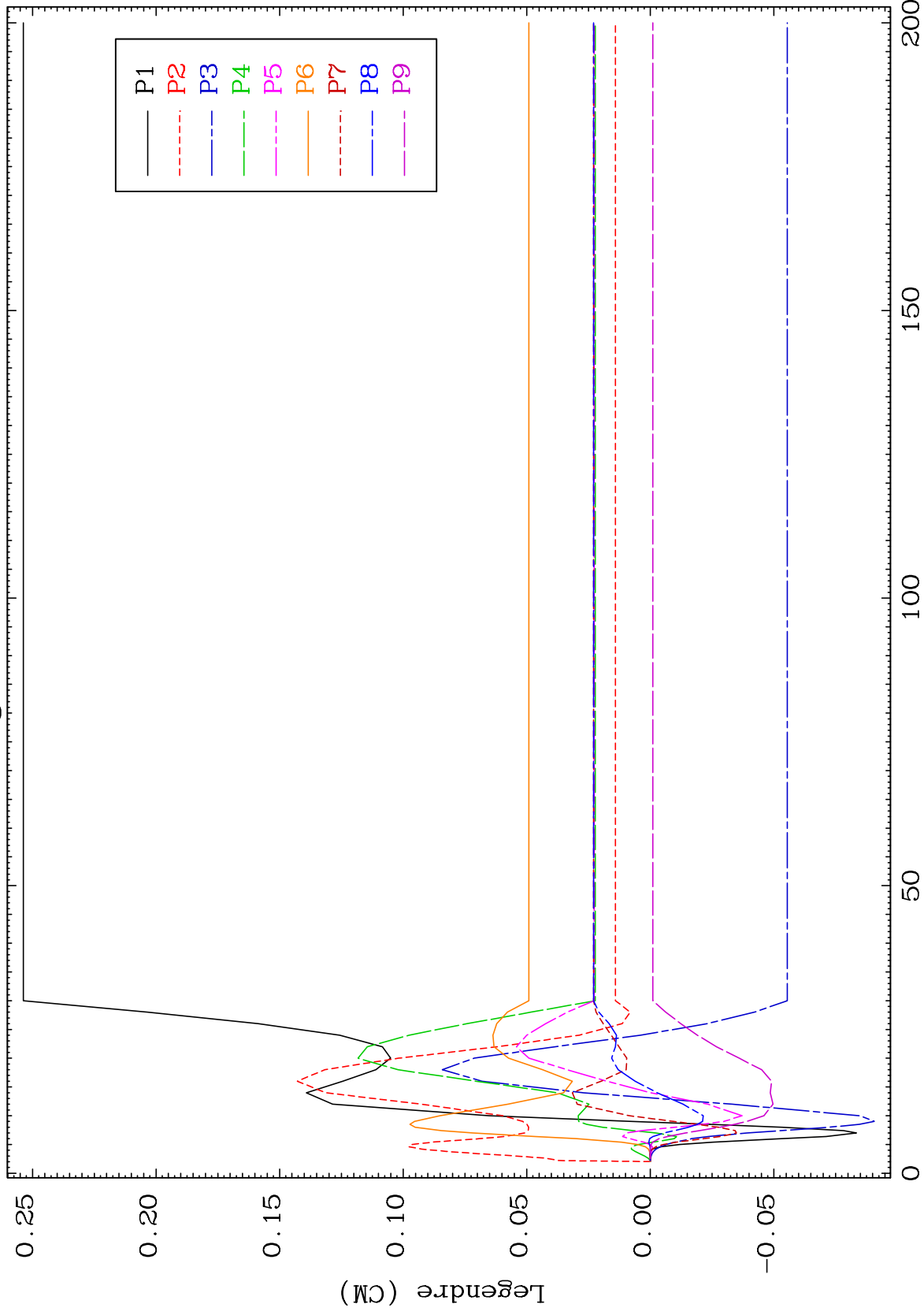
44-Ru-104



MAT 4449

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

44-Ru-104



68

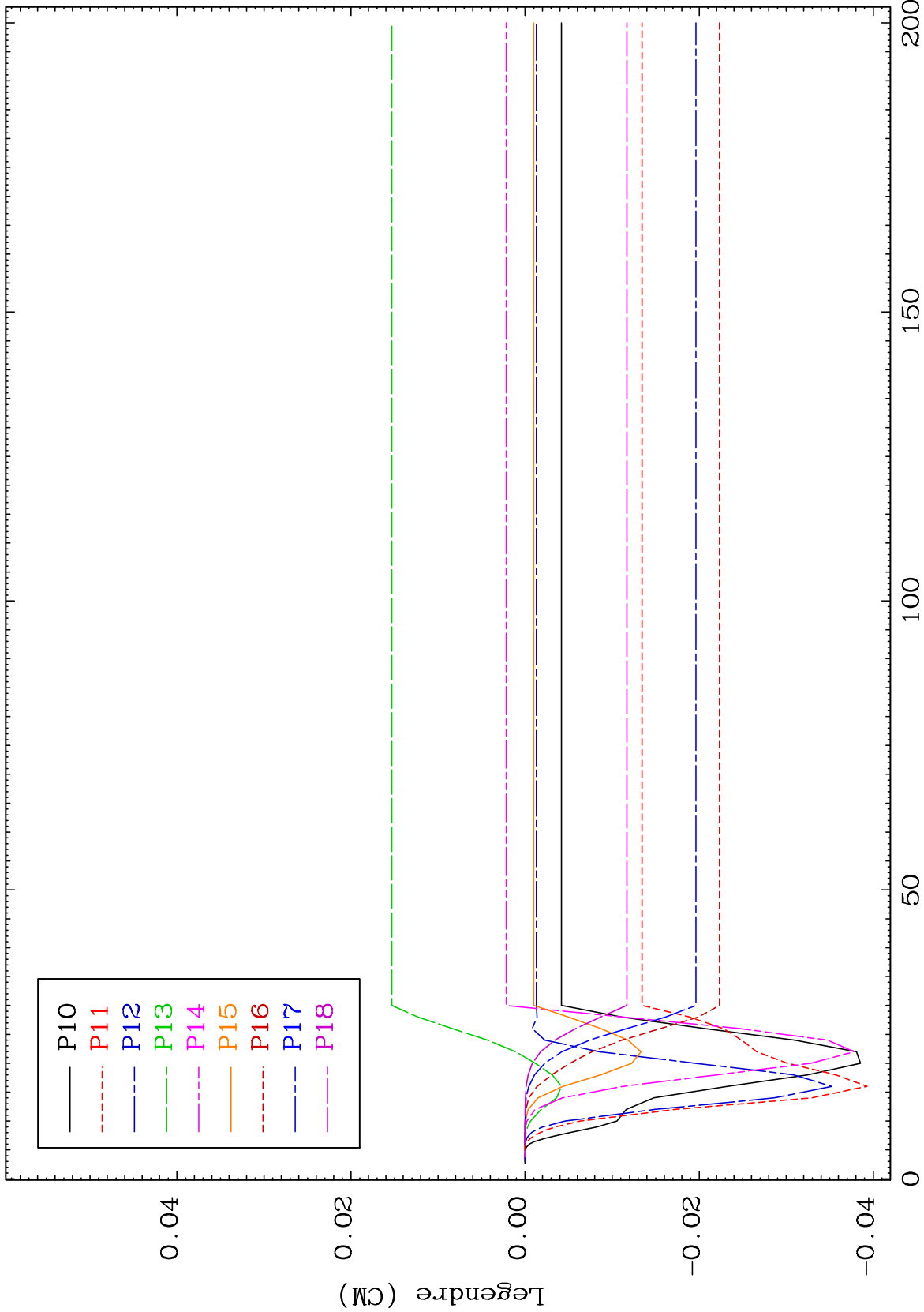
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

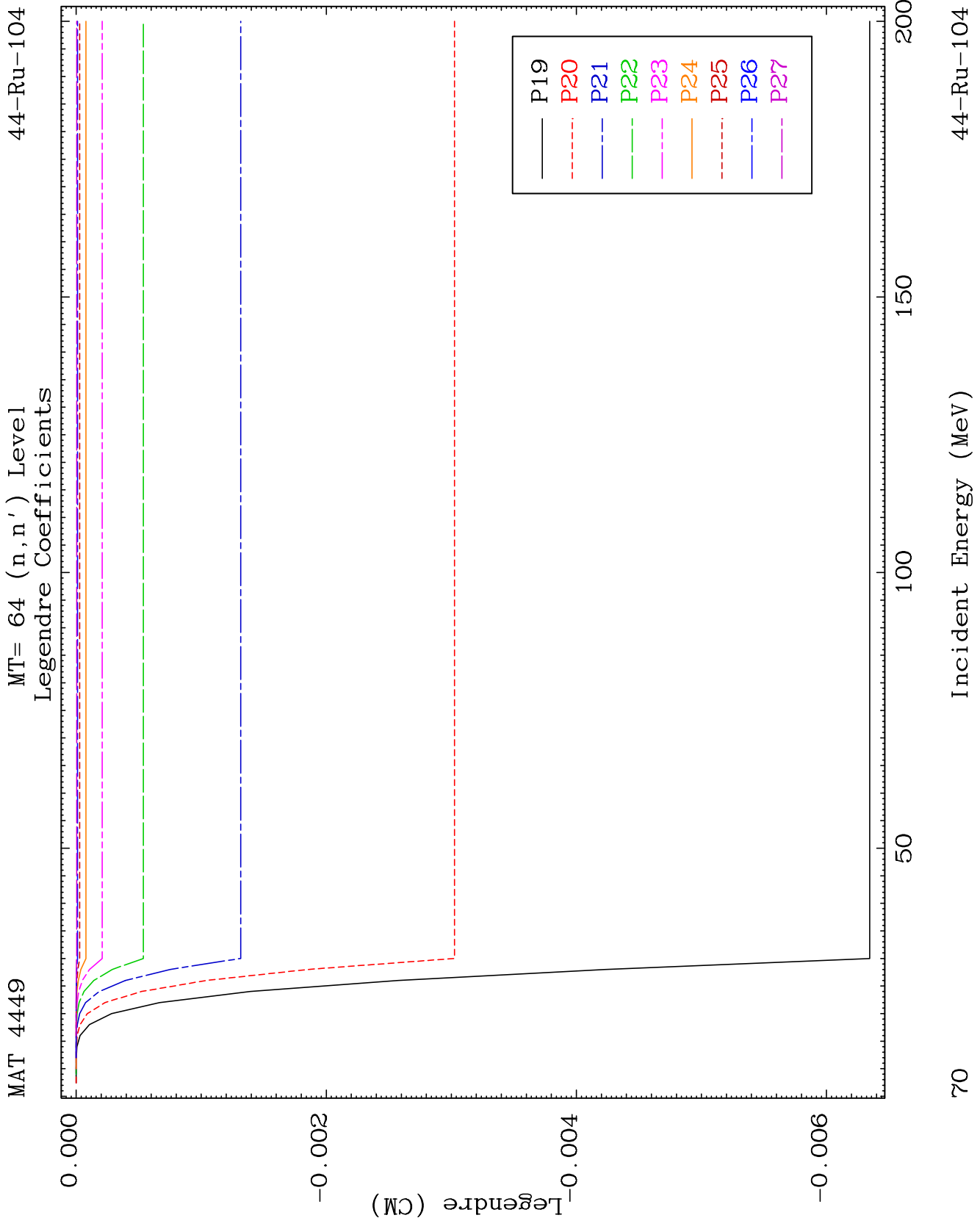
44-Ru-104

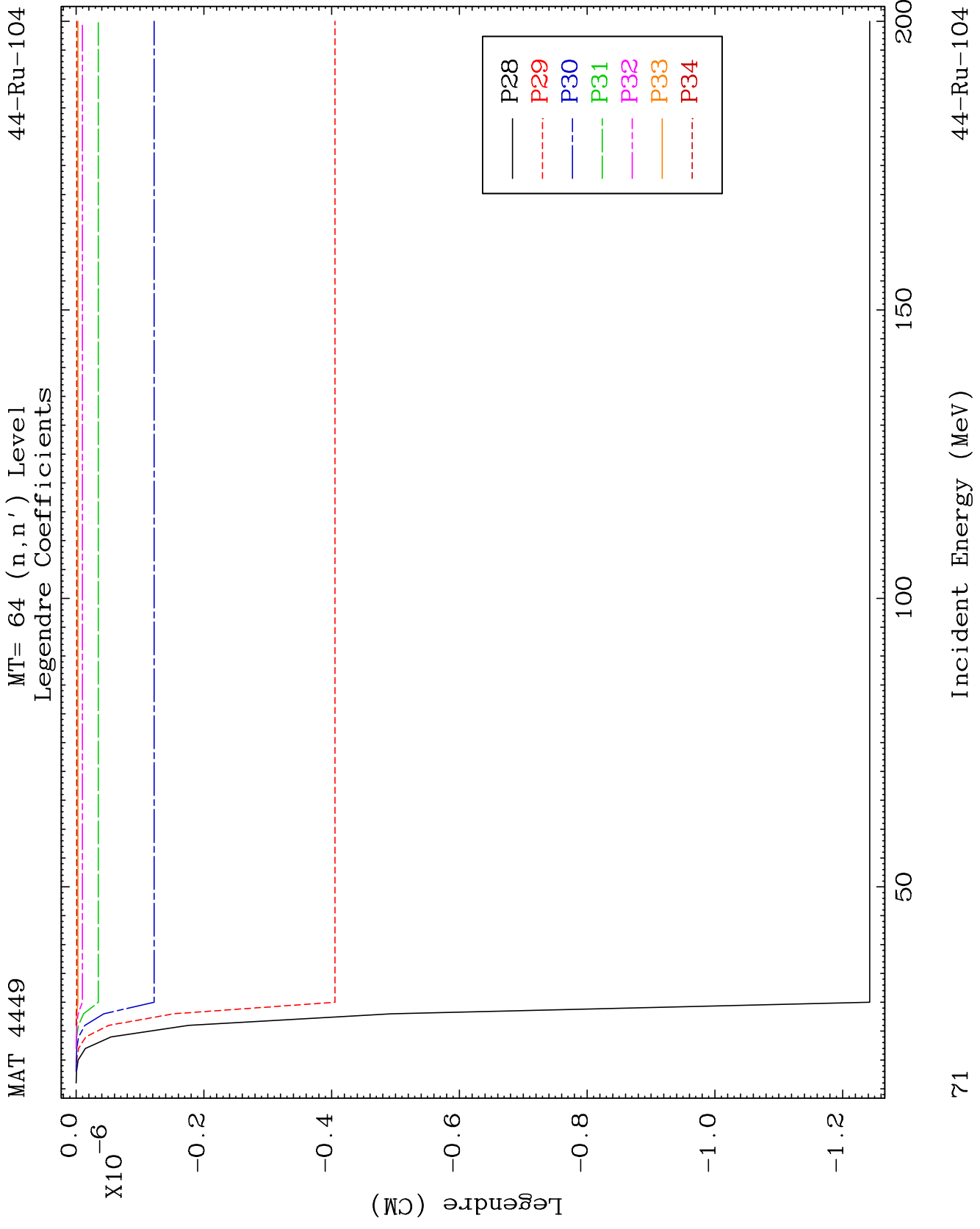


69

Incident Energy (MeV)

44-Ru-104

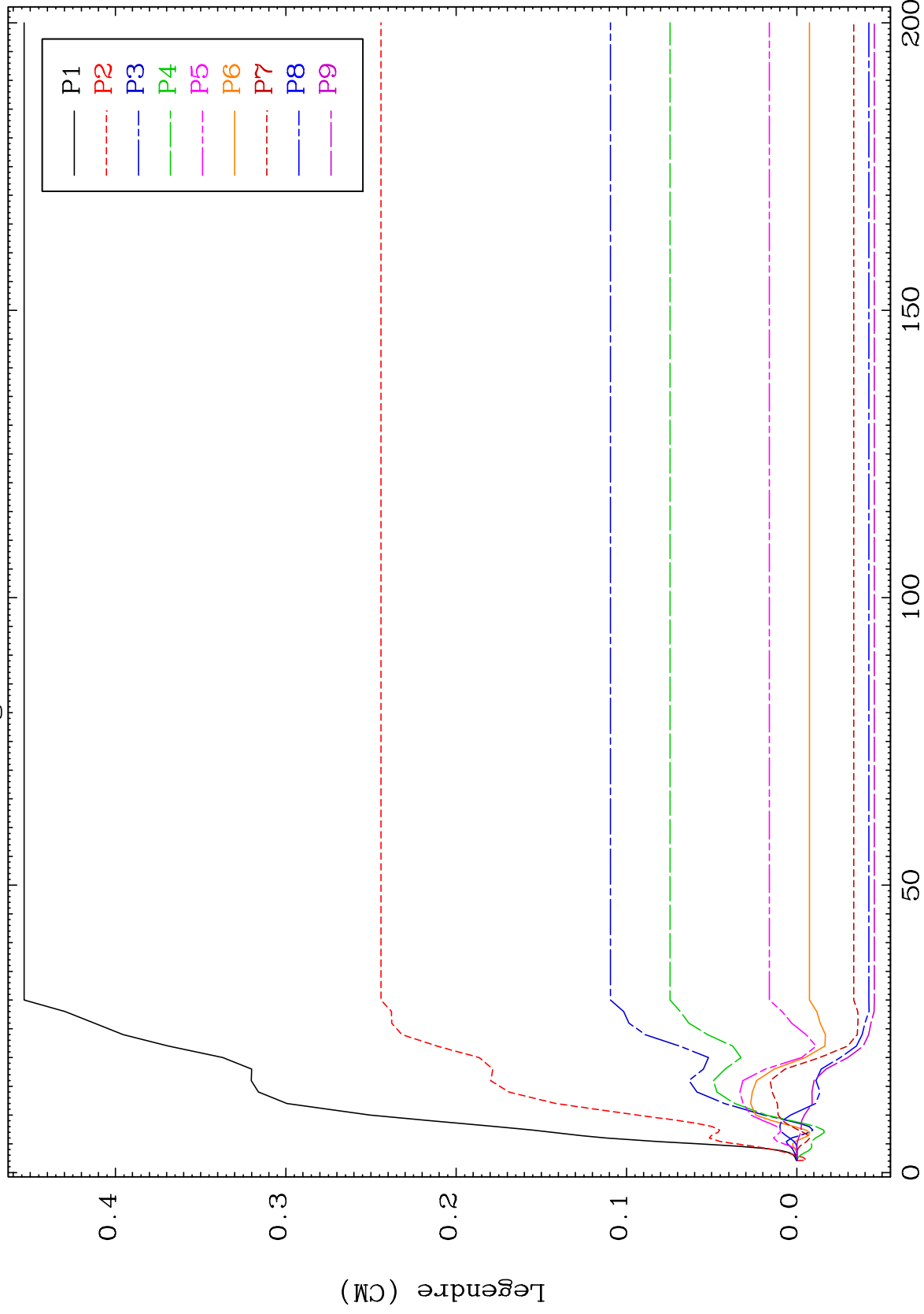




MAT 4449

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

44-Ru-104



72

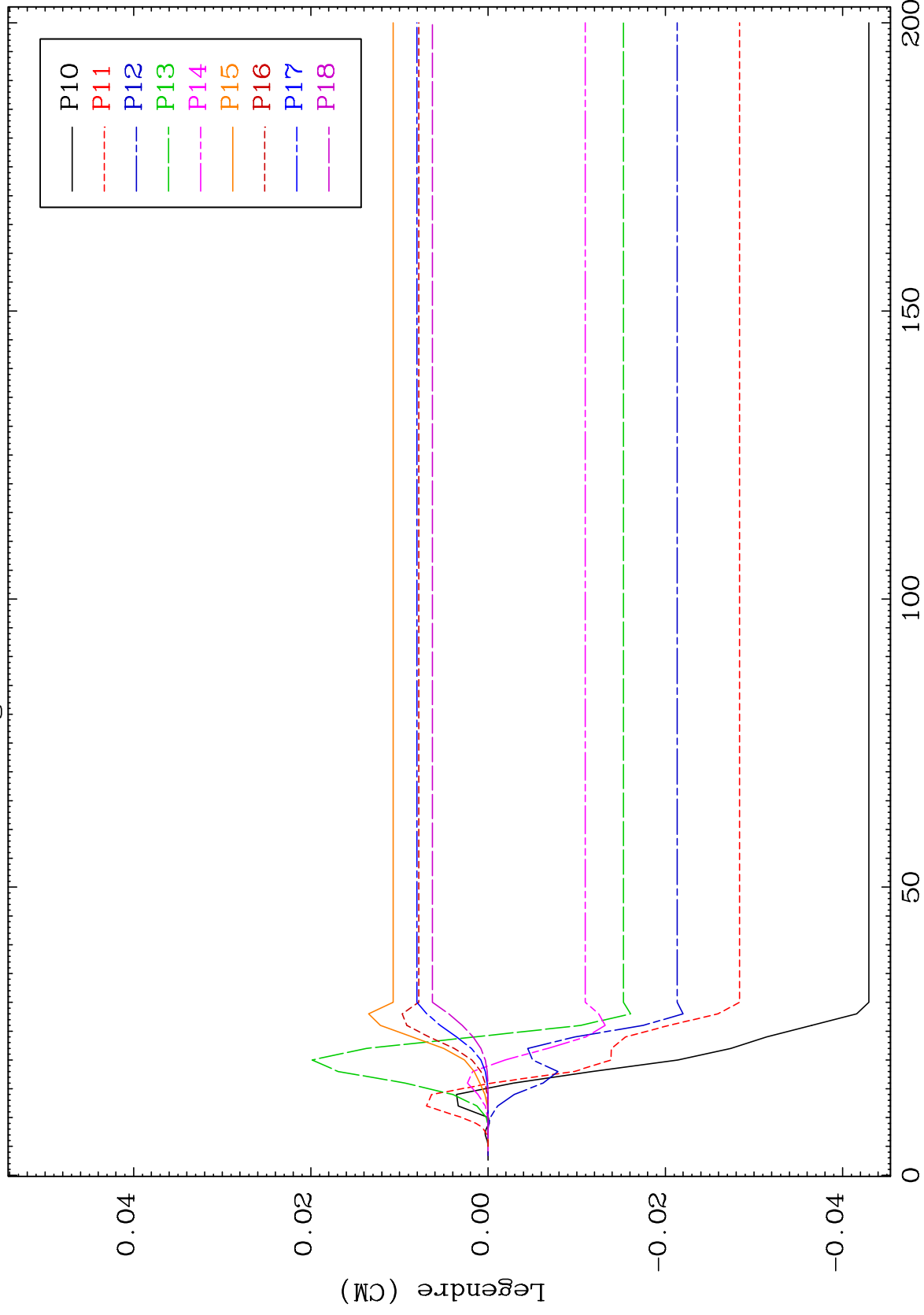
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



73

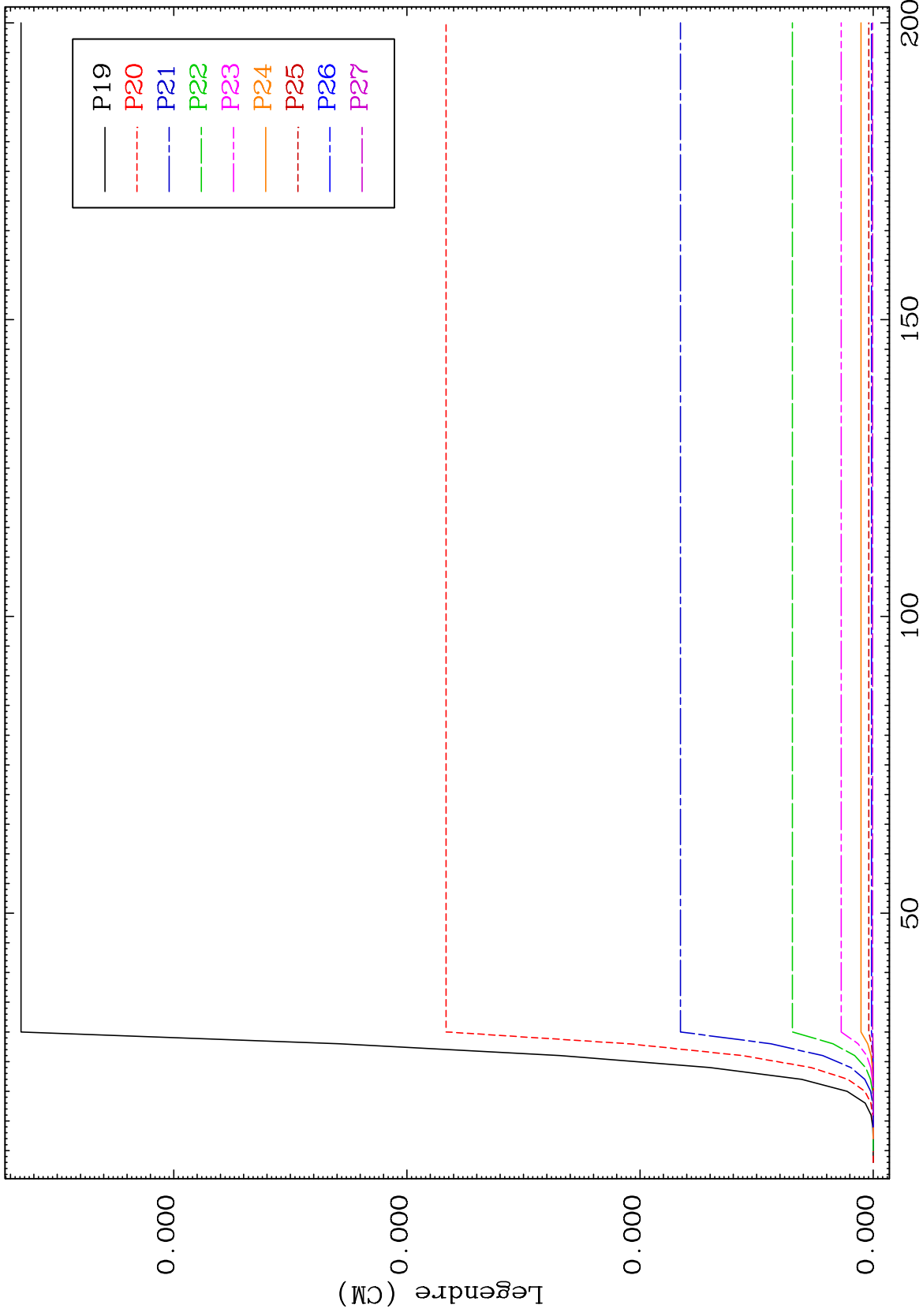
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



74

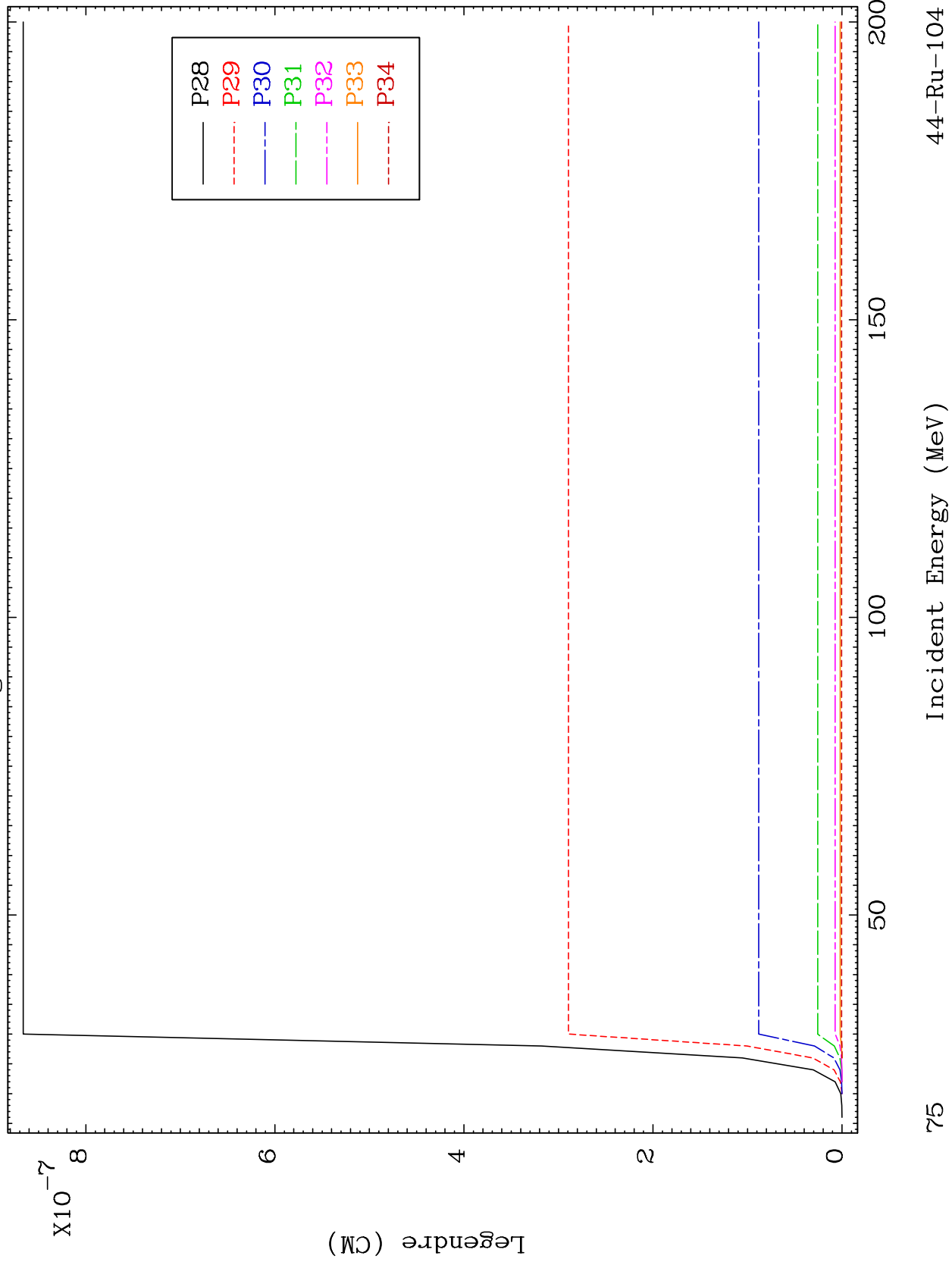
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



75

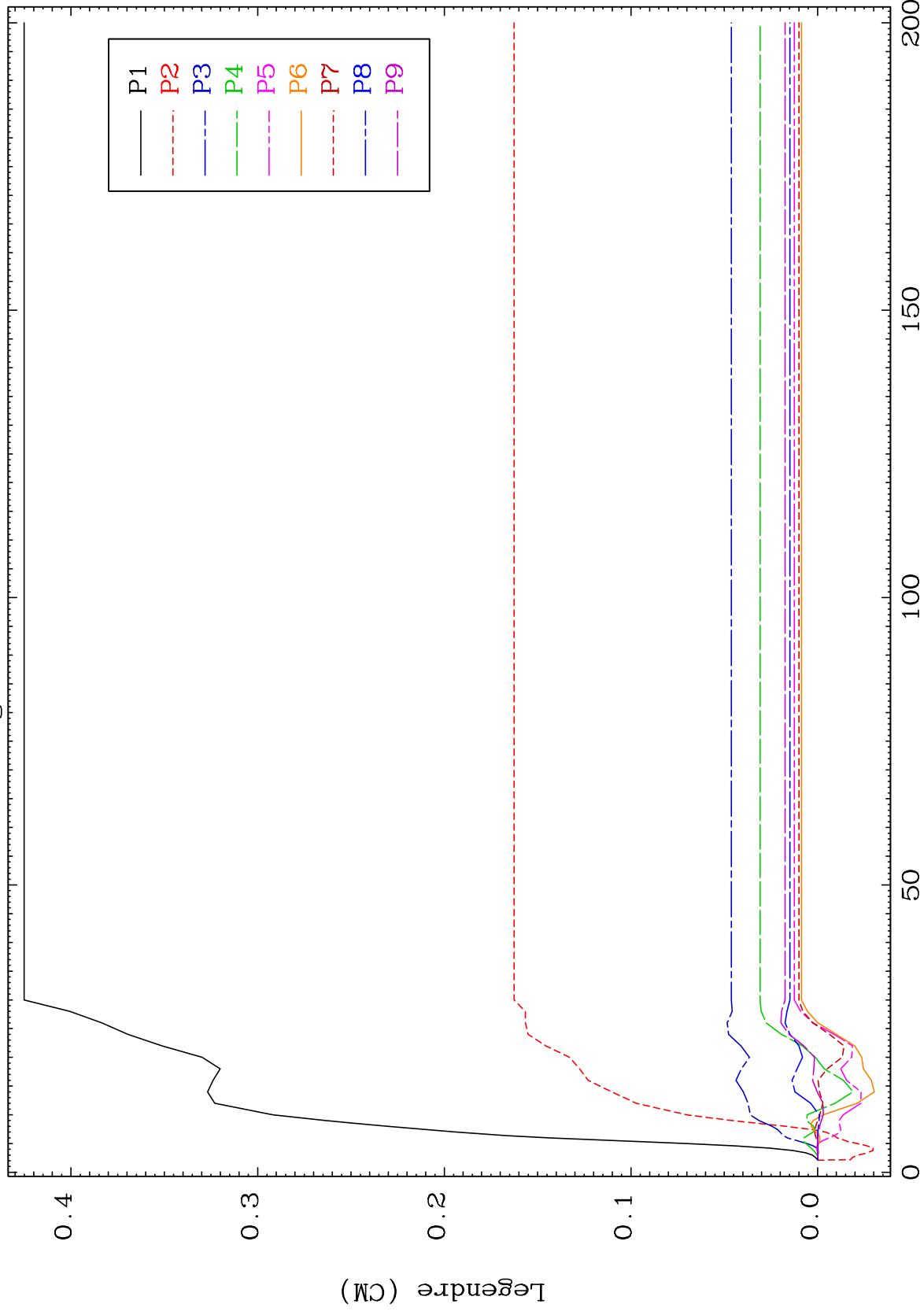
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



76

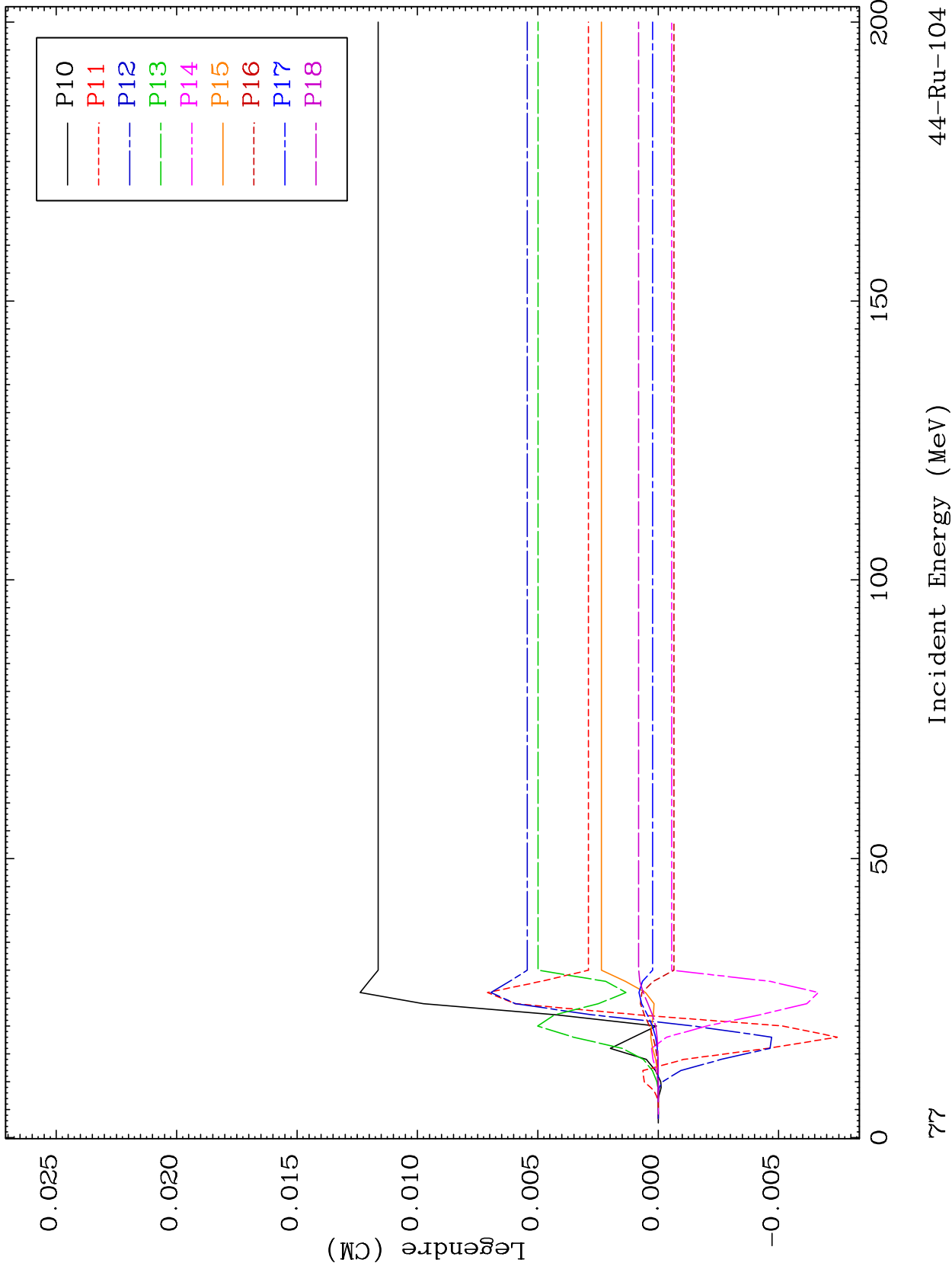
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



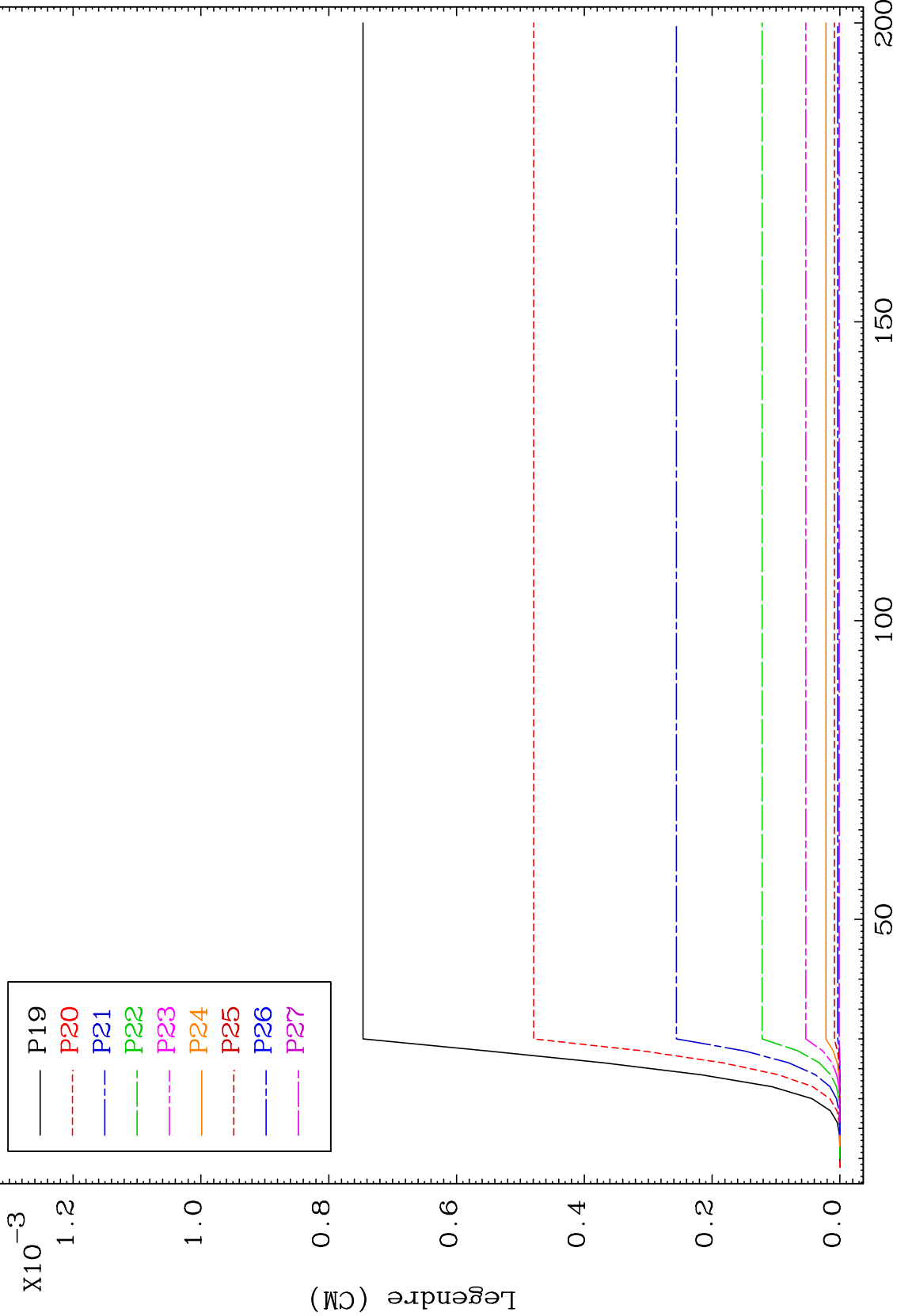
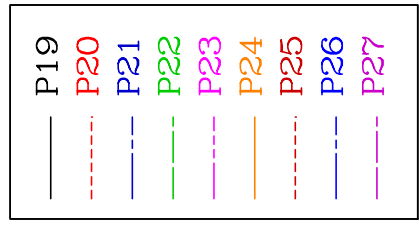
77

44-Ru-104

MAT 4449

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

44-Ru-104



78

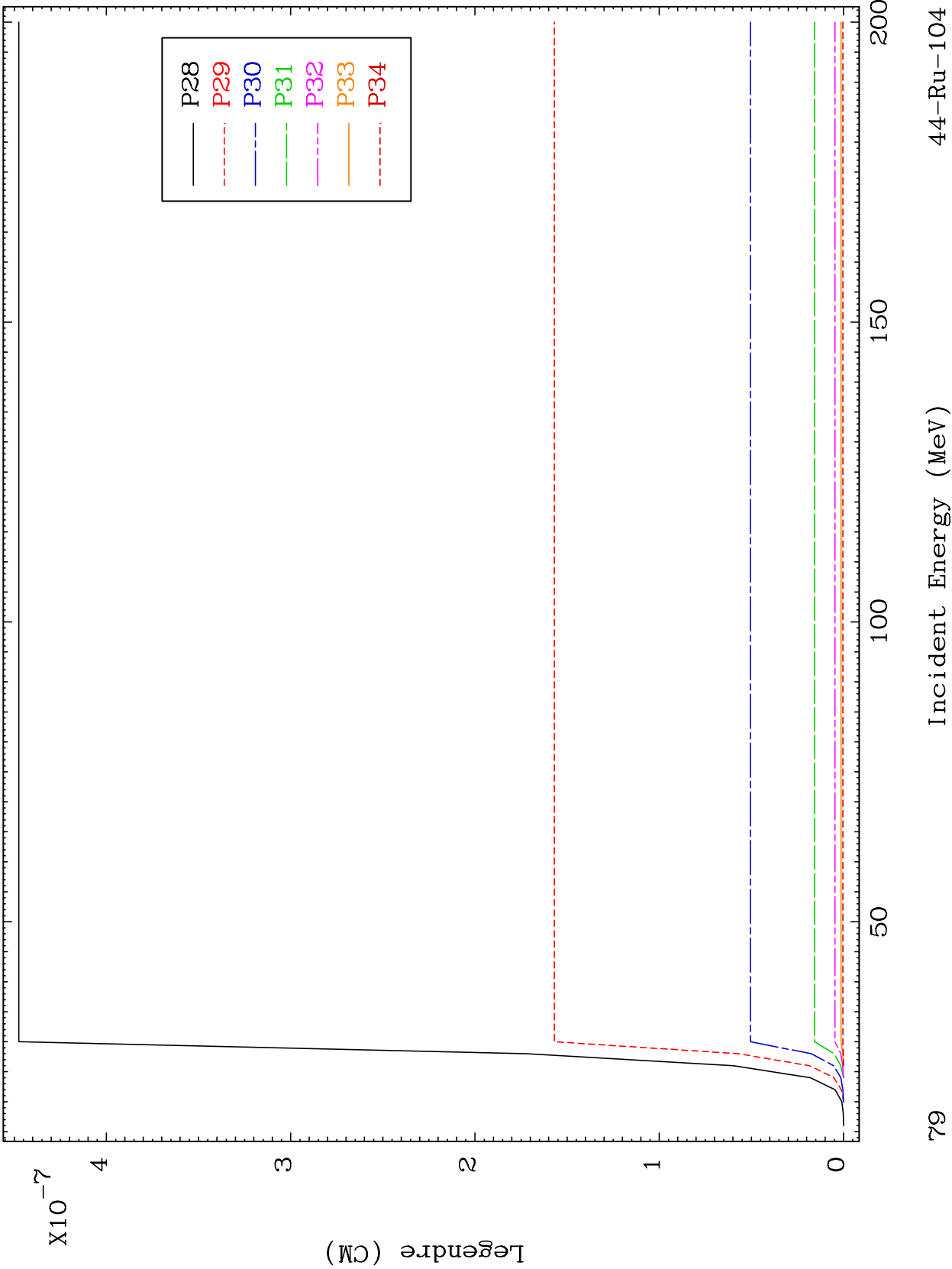
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



79

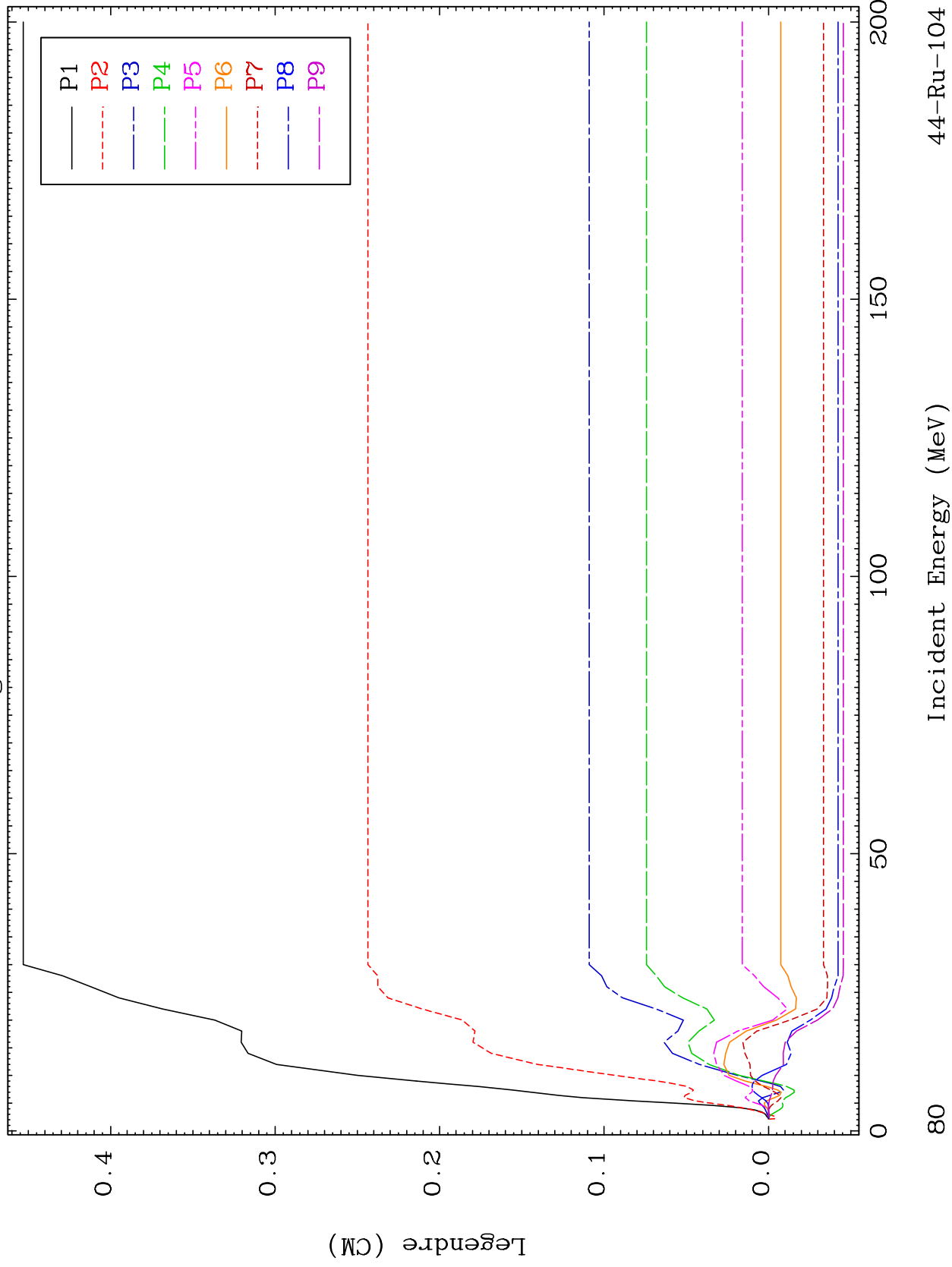
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

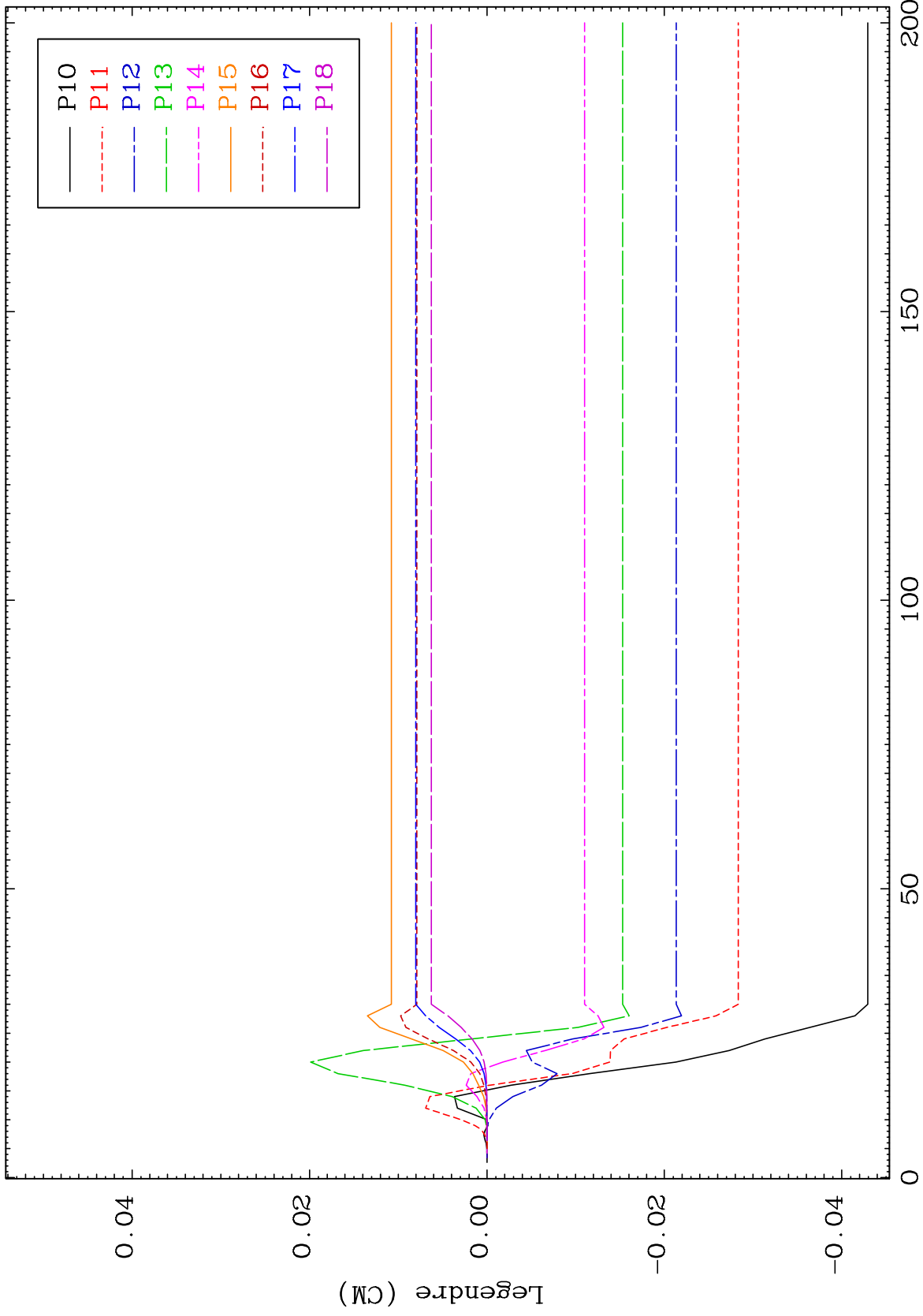
44-Ru-104



MAT 4449

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

44-Ru-104



81

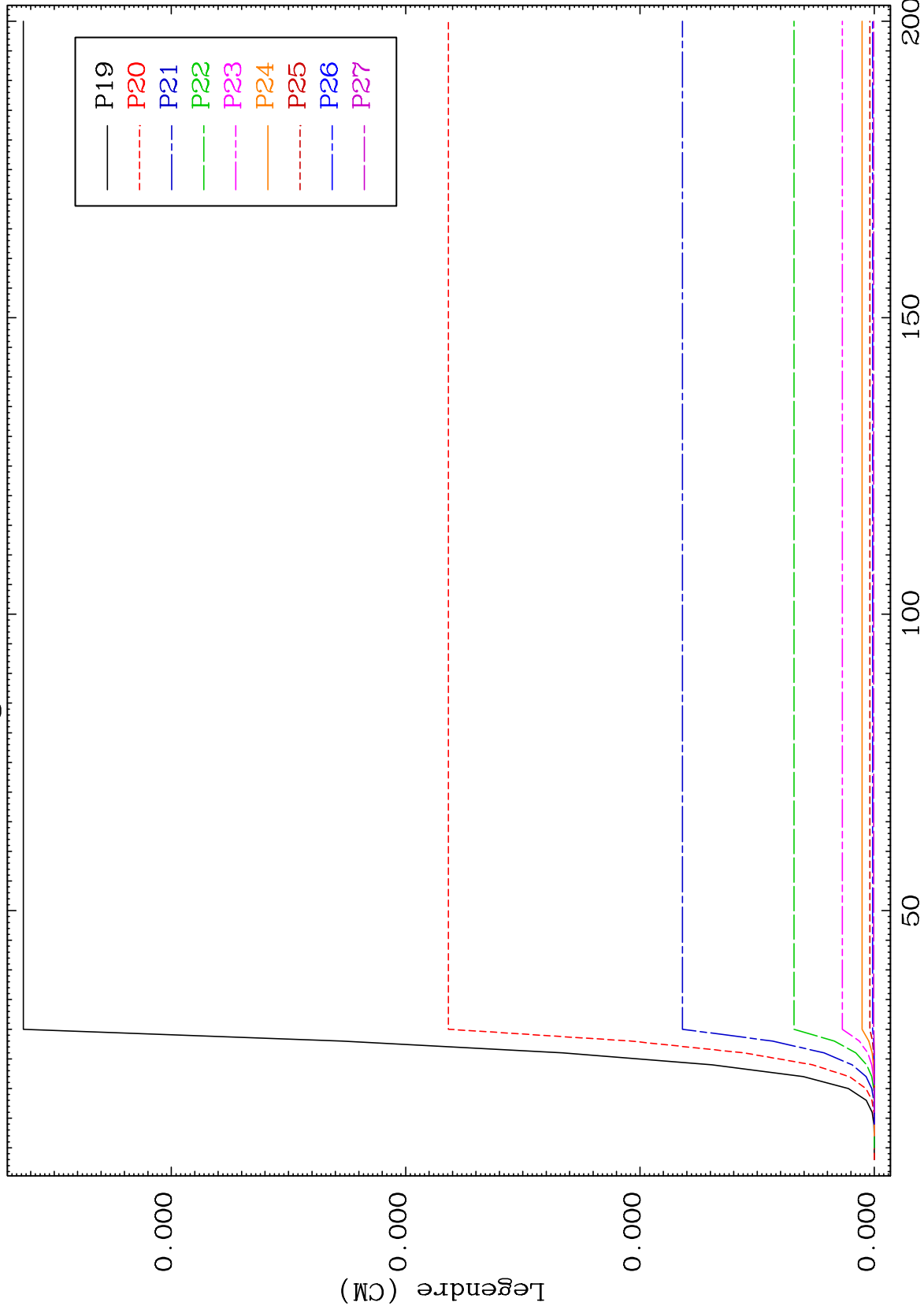
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



82

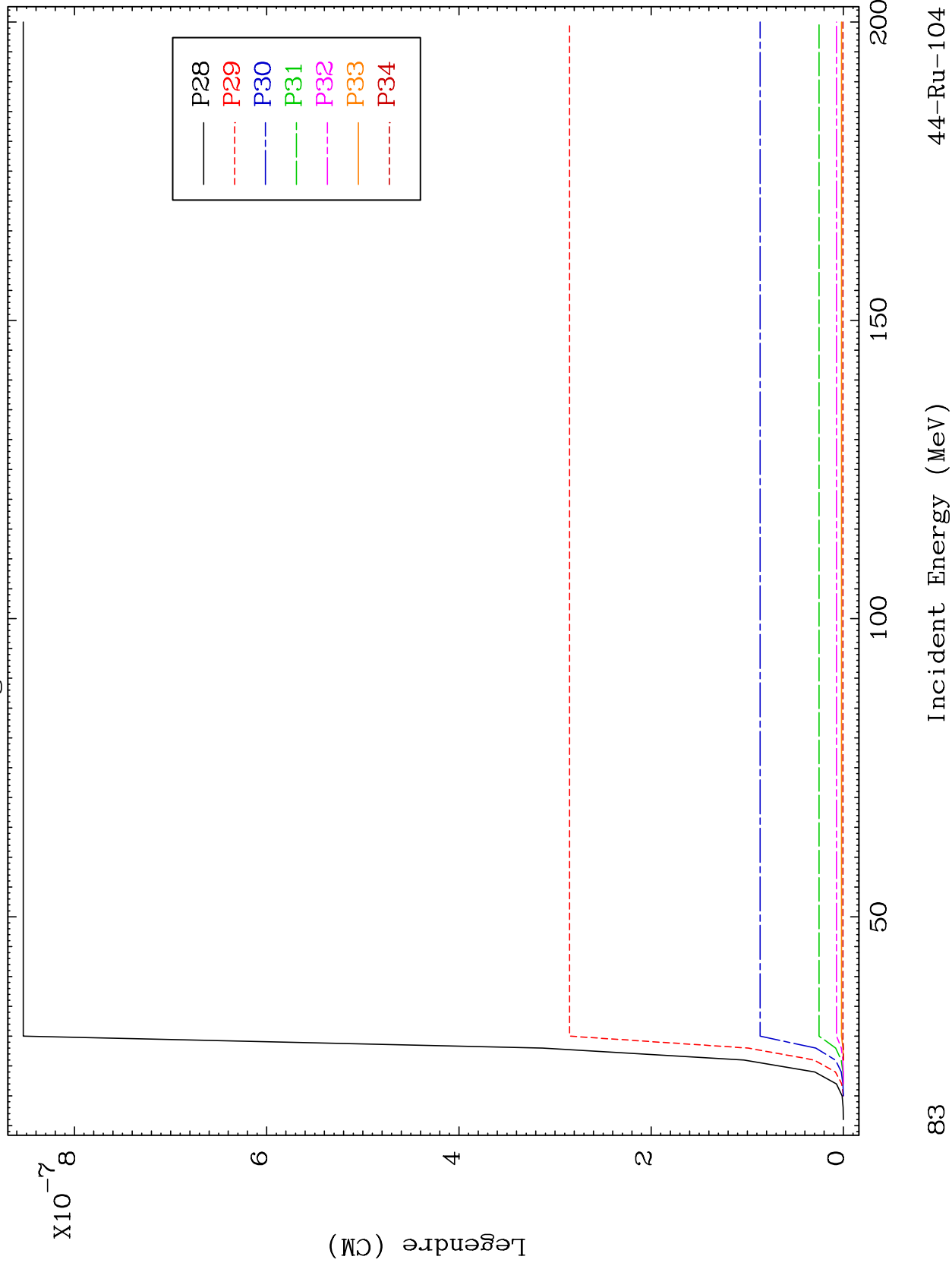
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

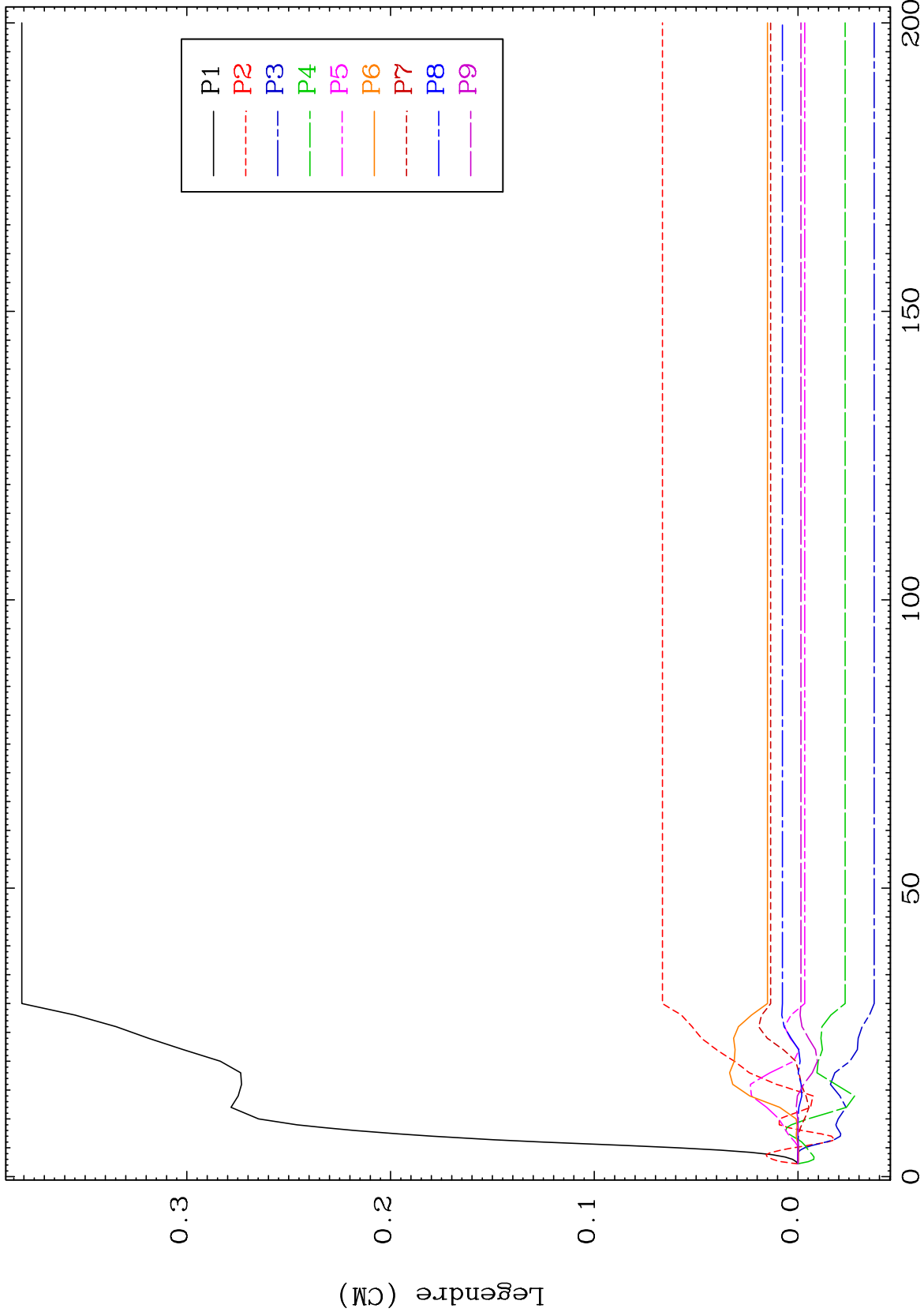
44-Ru-104



MAT 4449

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

44-Ru-104



84

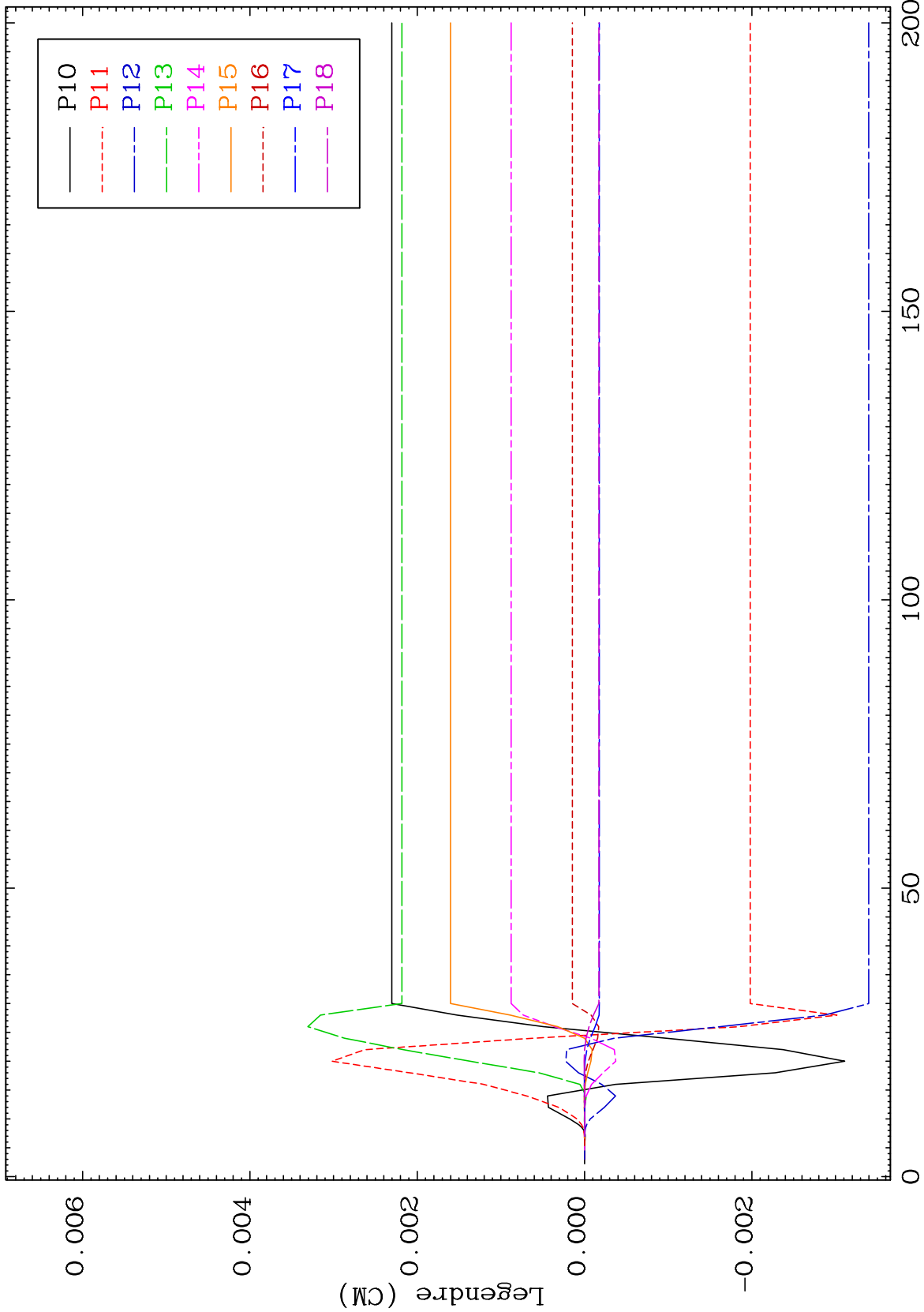
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



85

Incident Energy (MeV)

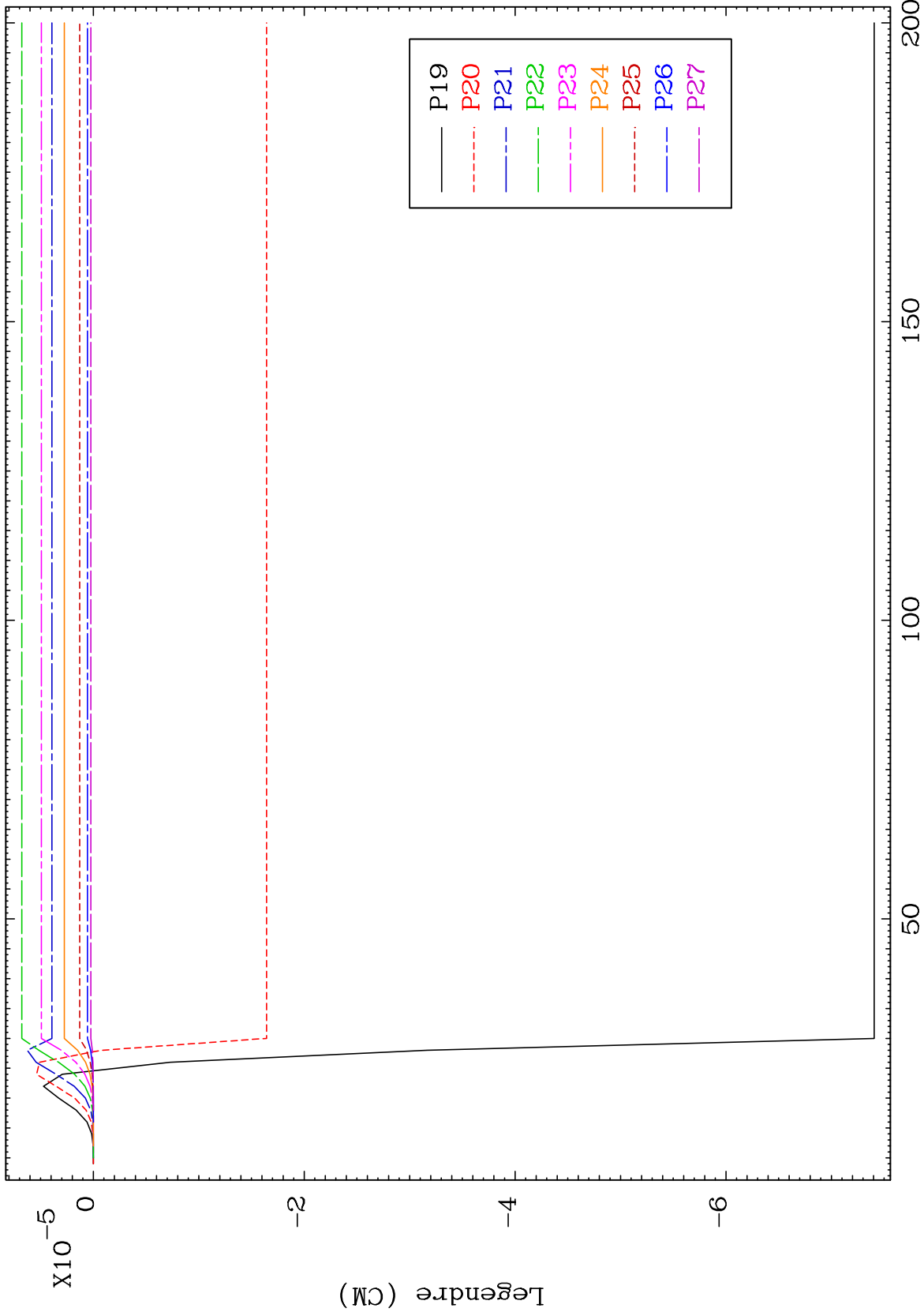
44-Ru-104

MAT 4449

MT= 68 (n,n') Level

44-Ru-104

Legendre Coefficients



86

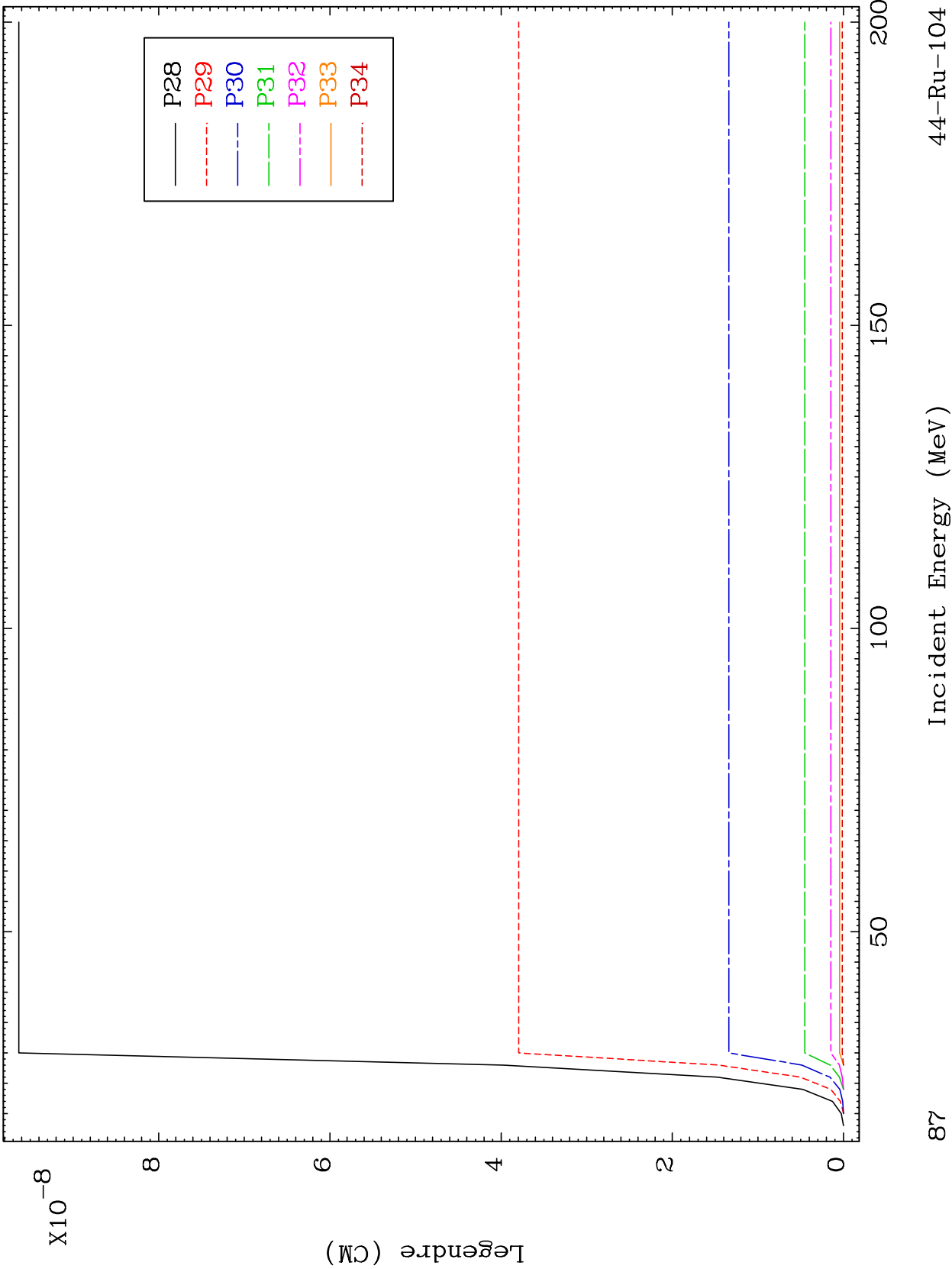
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



87

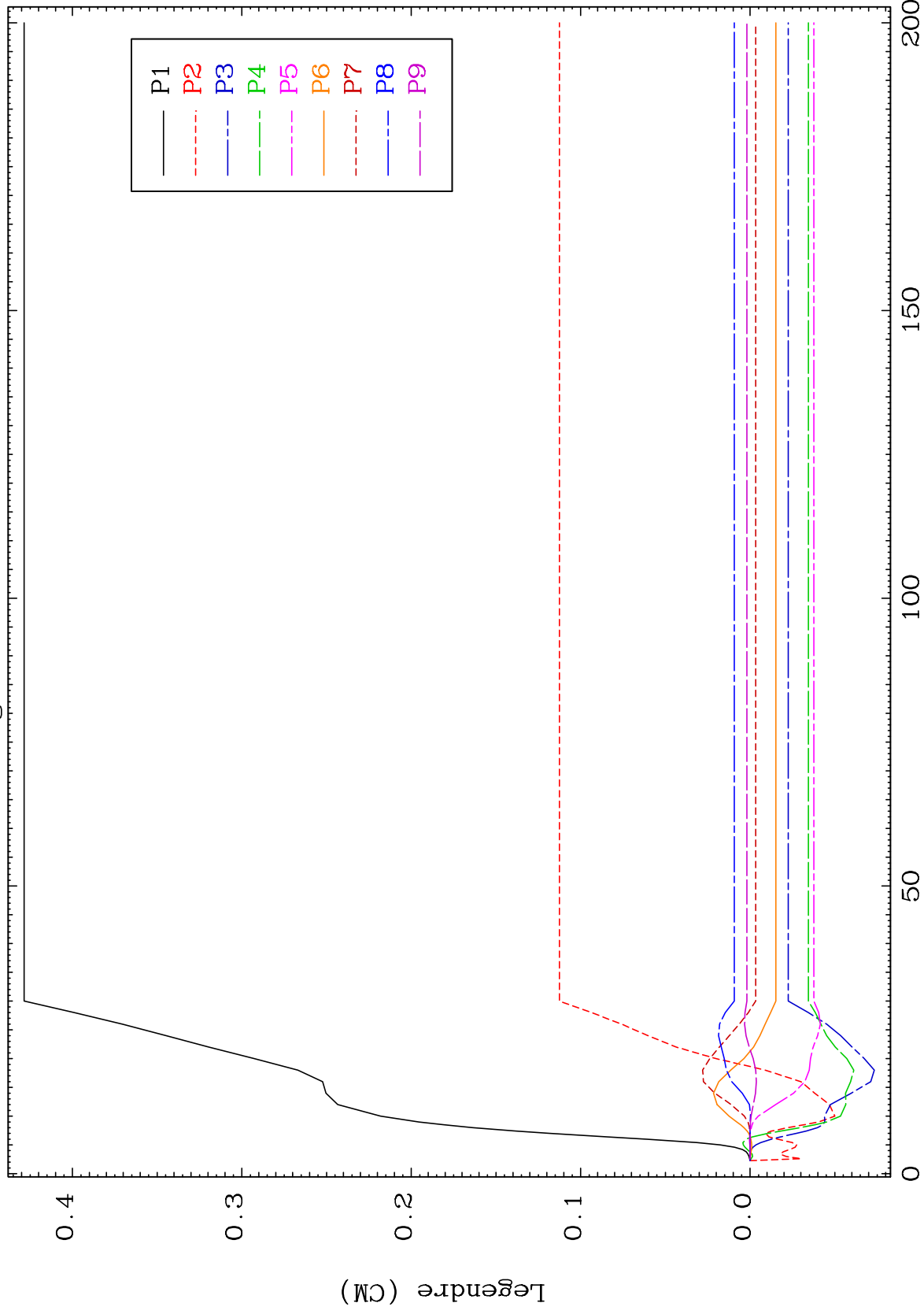
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



88

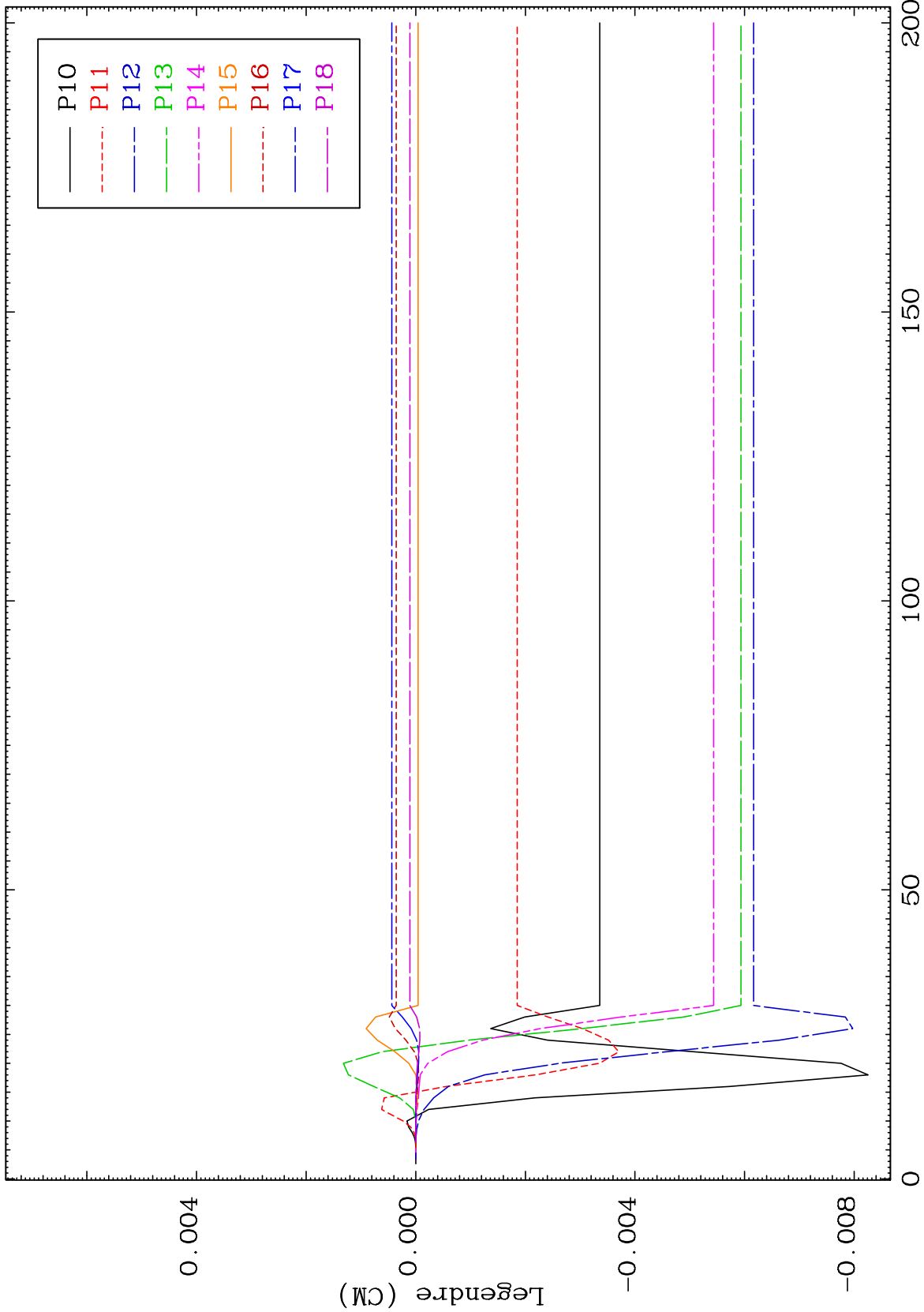
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



89

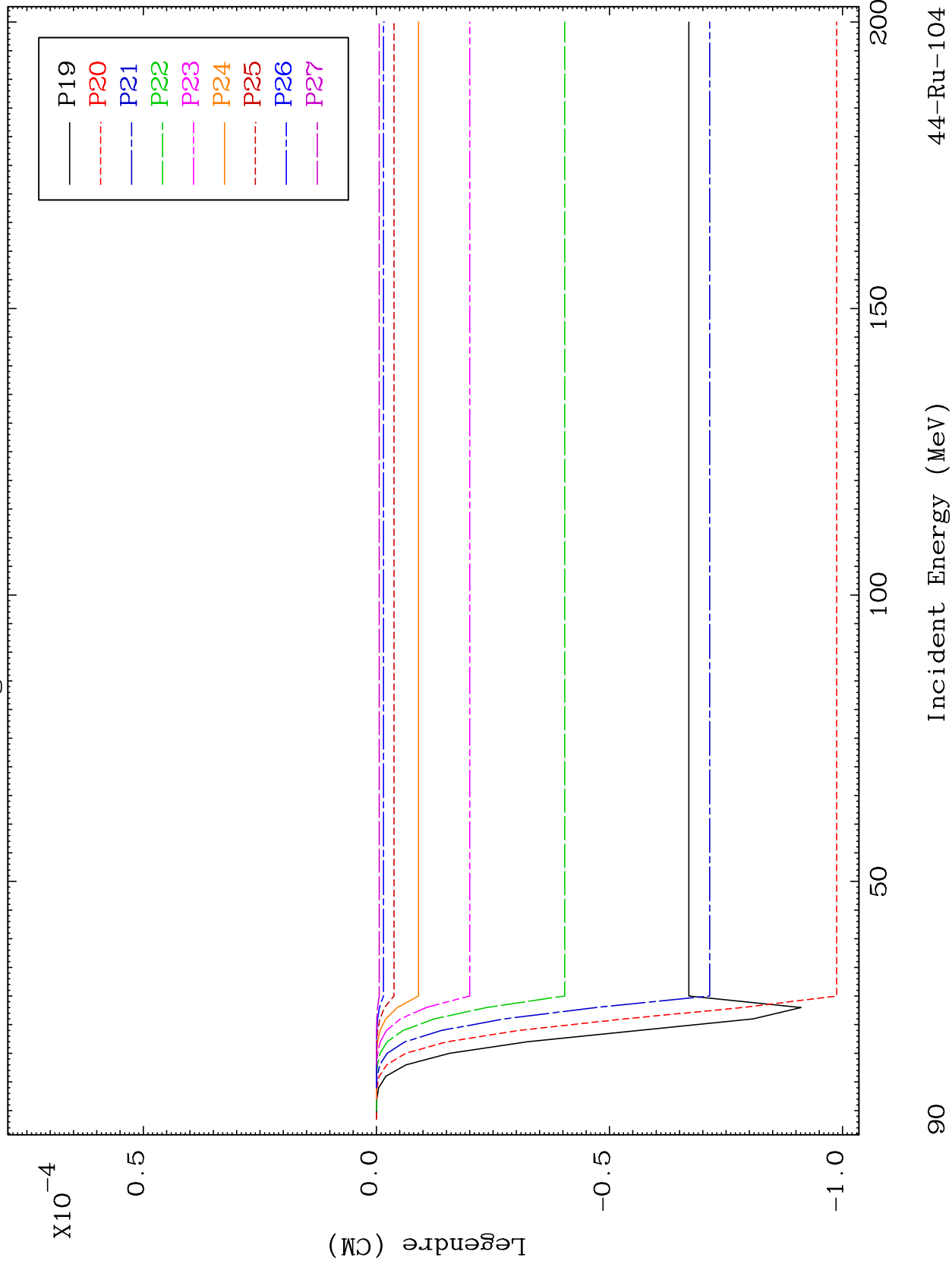
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



90

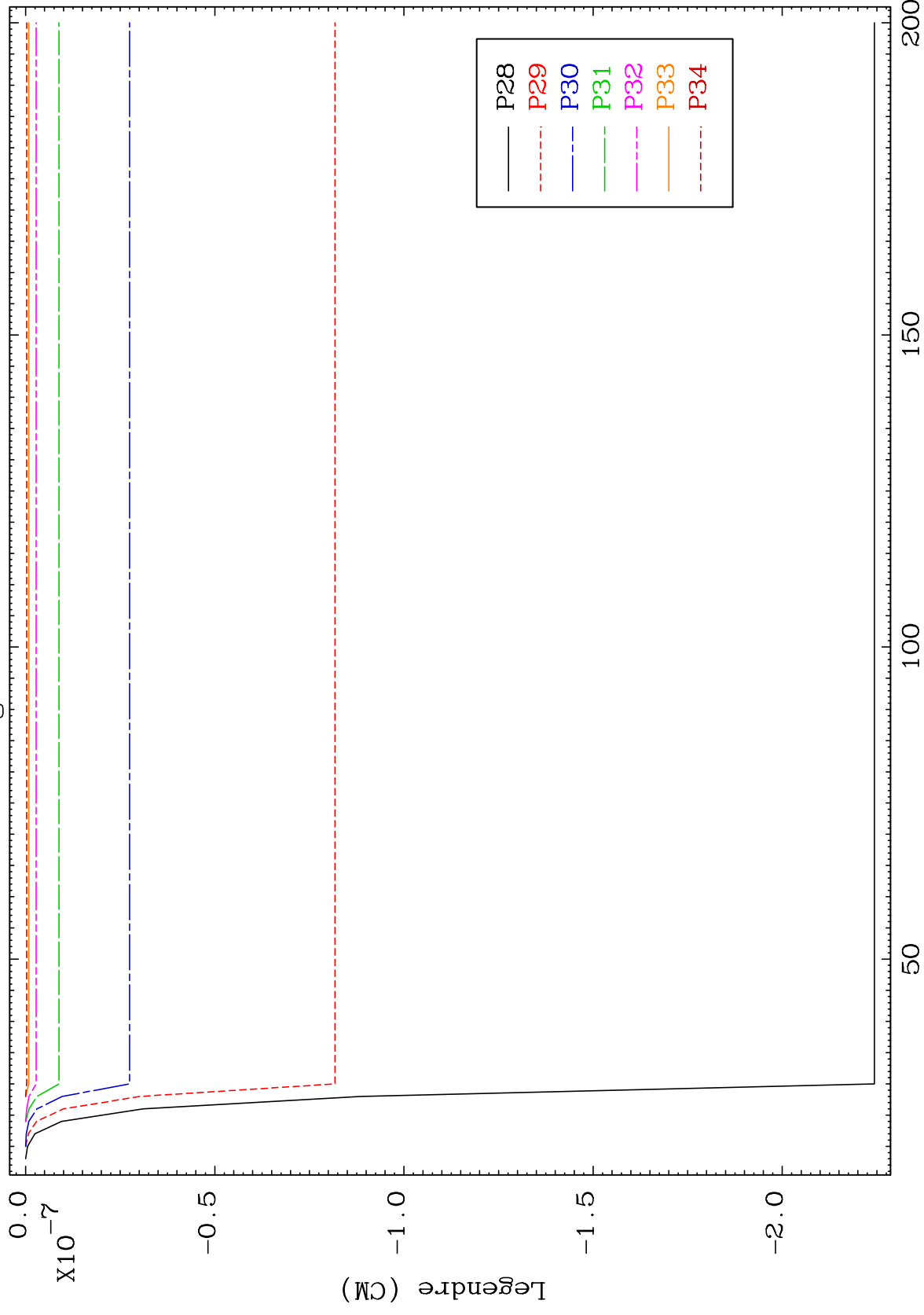
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

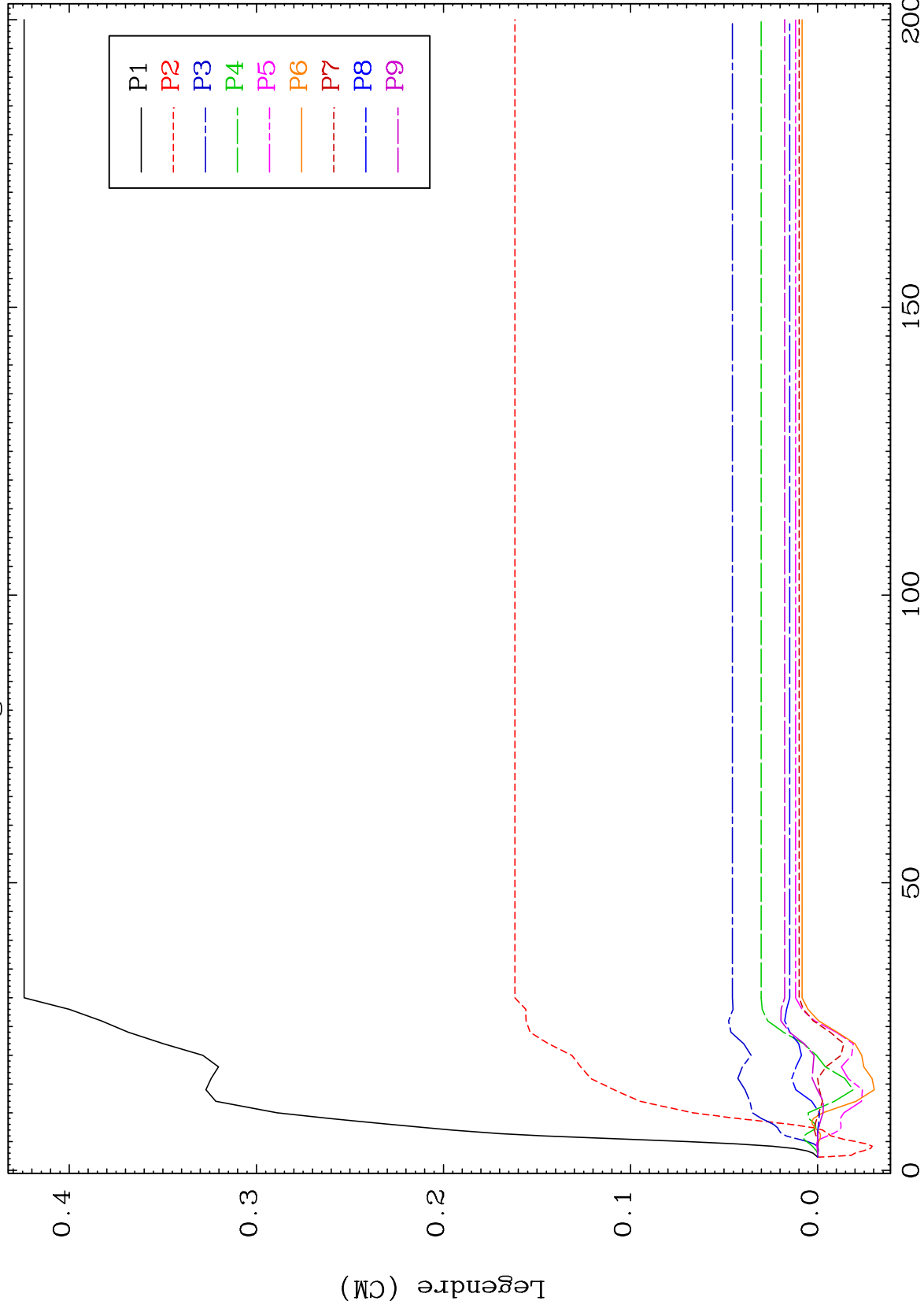
44-Ru-104



MAT 4449

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

44-Ru-104



92

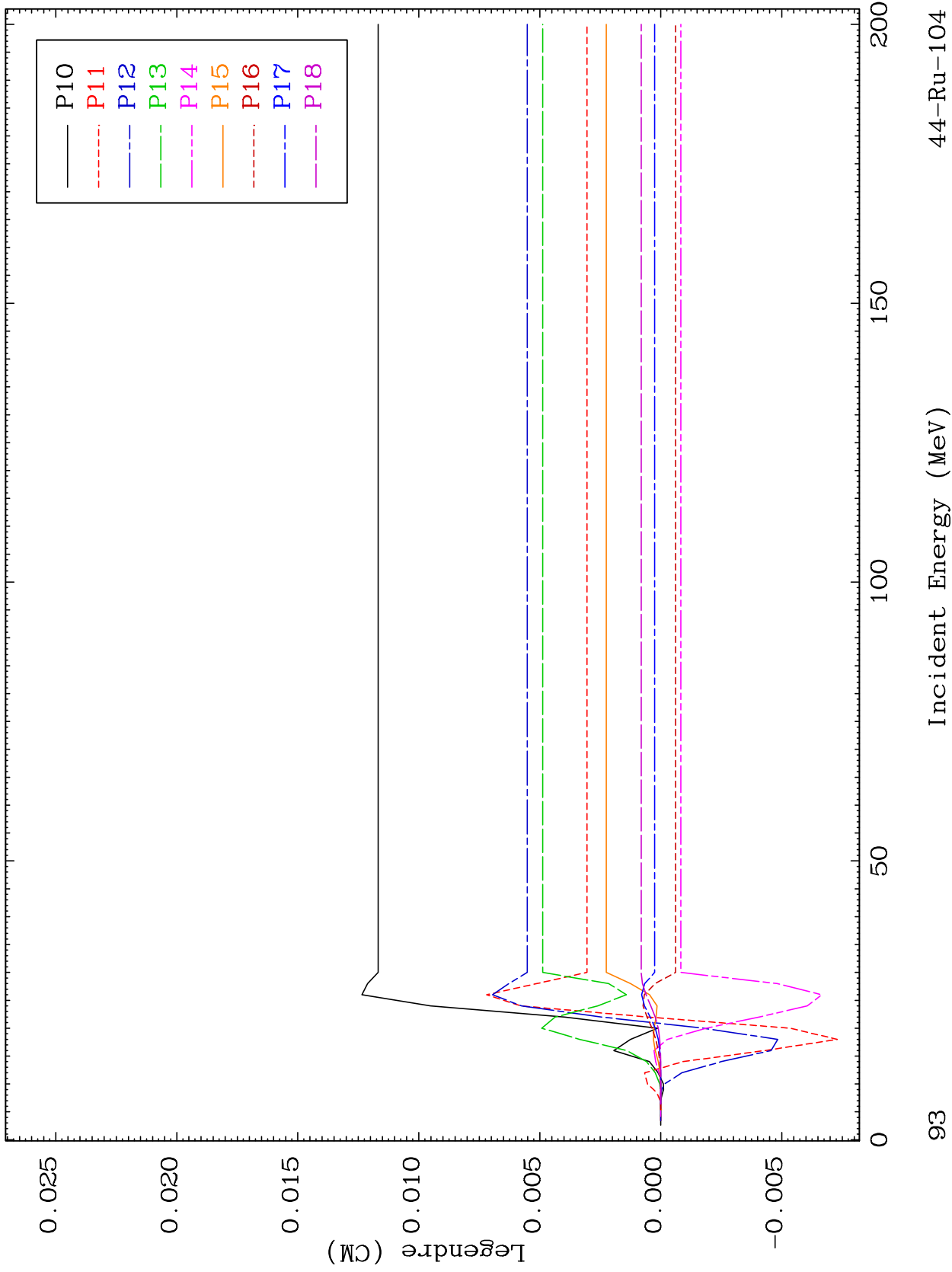
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



93

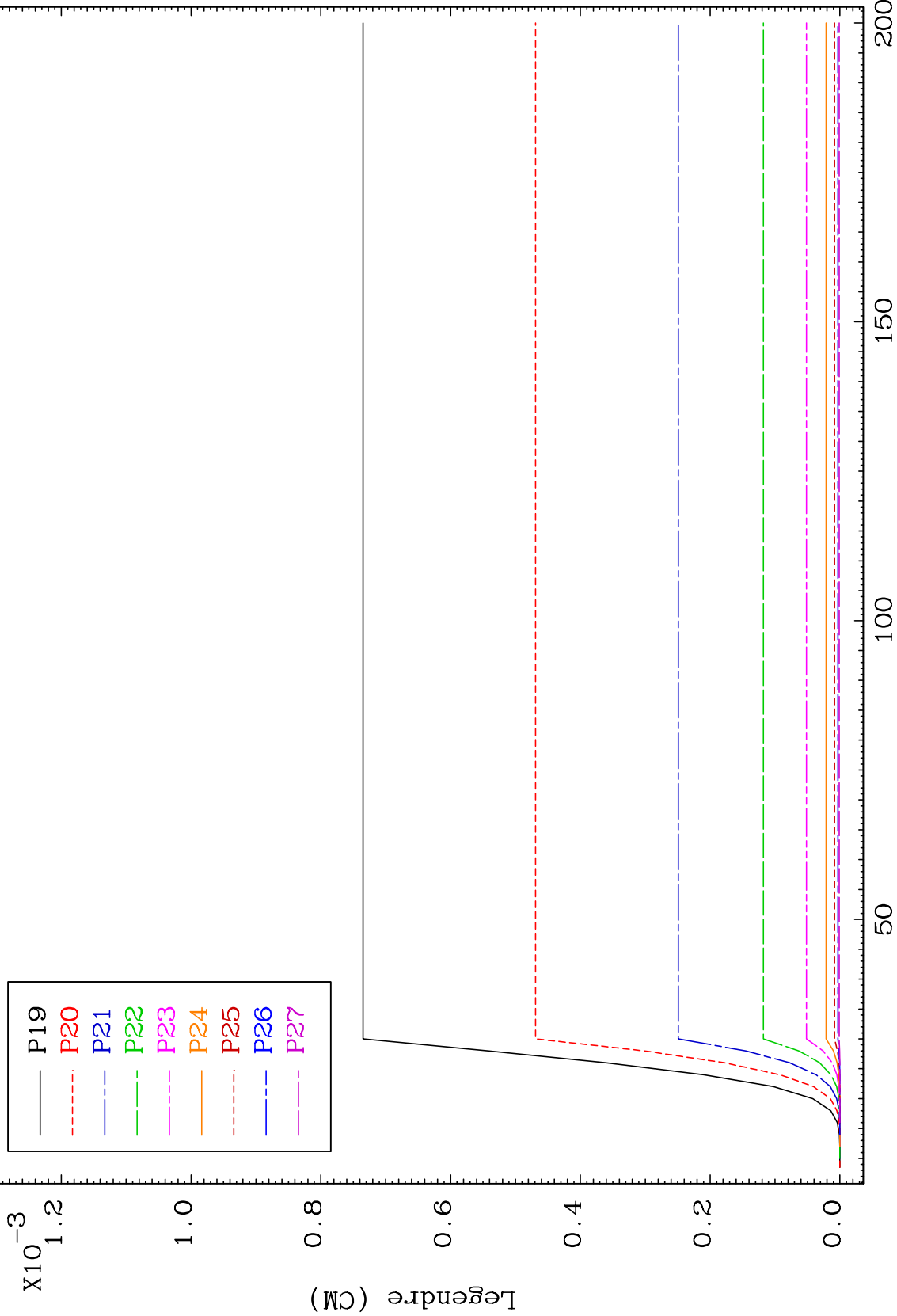
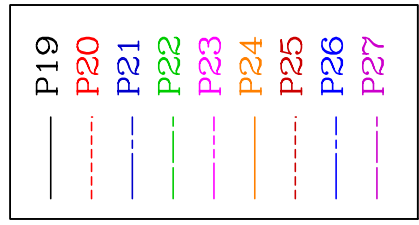
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



94

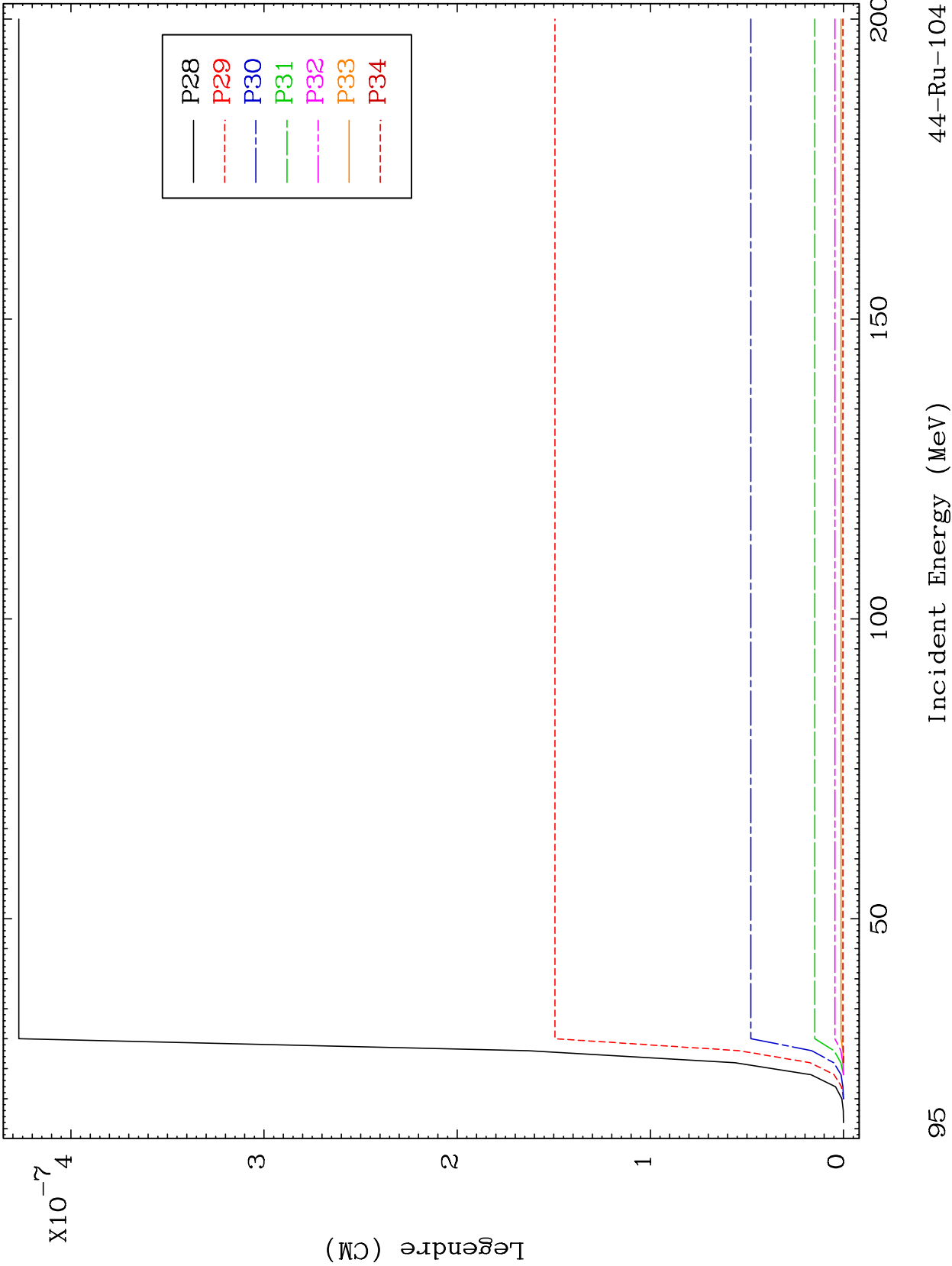
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



95

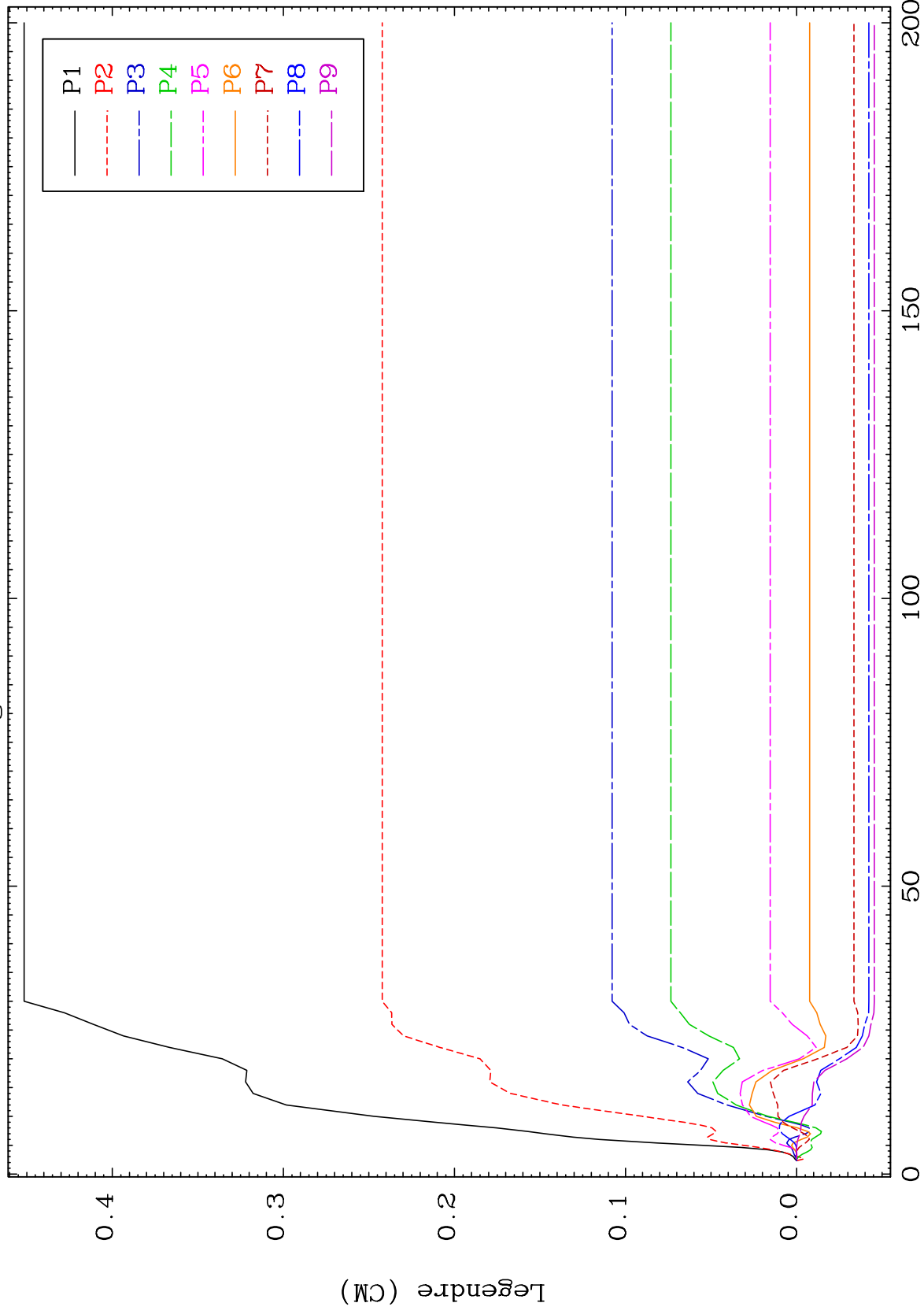
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



96

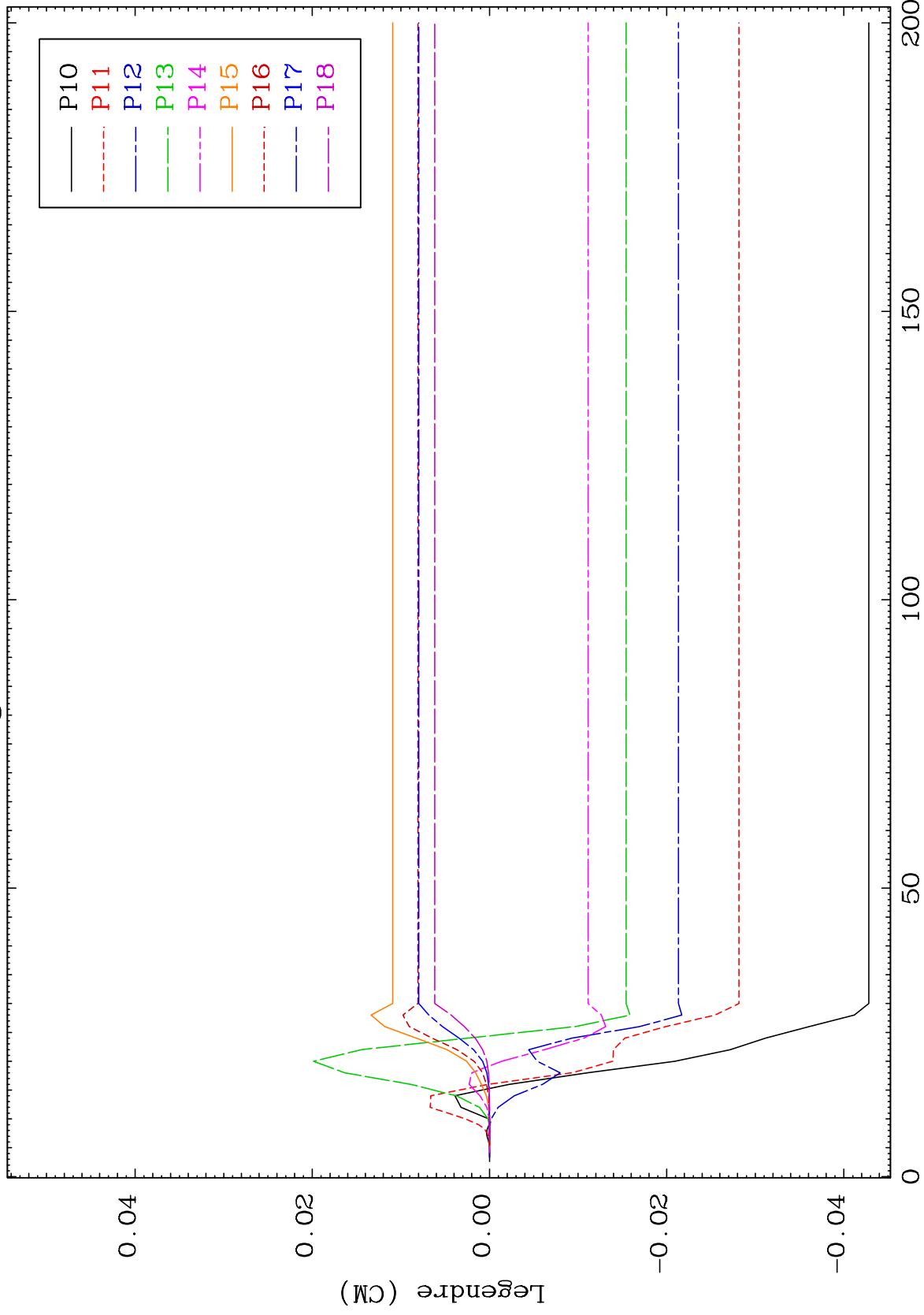
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



97

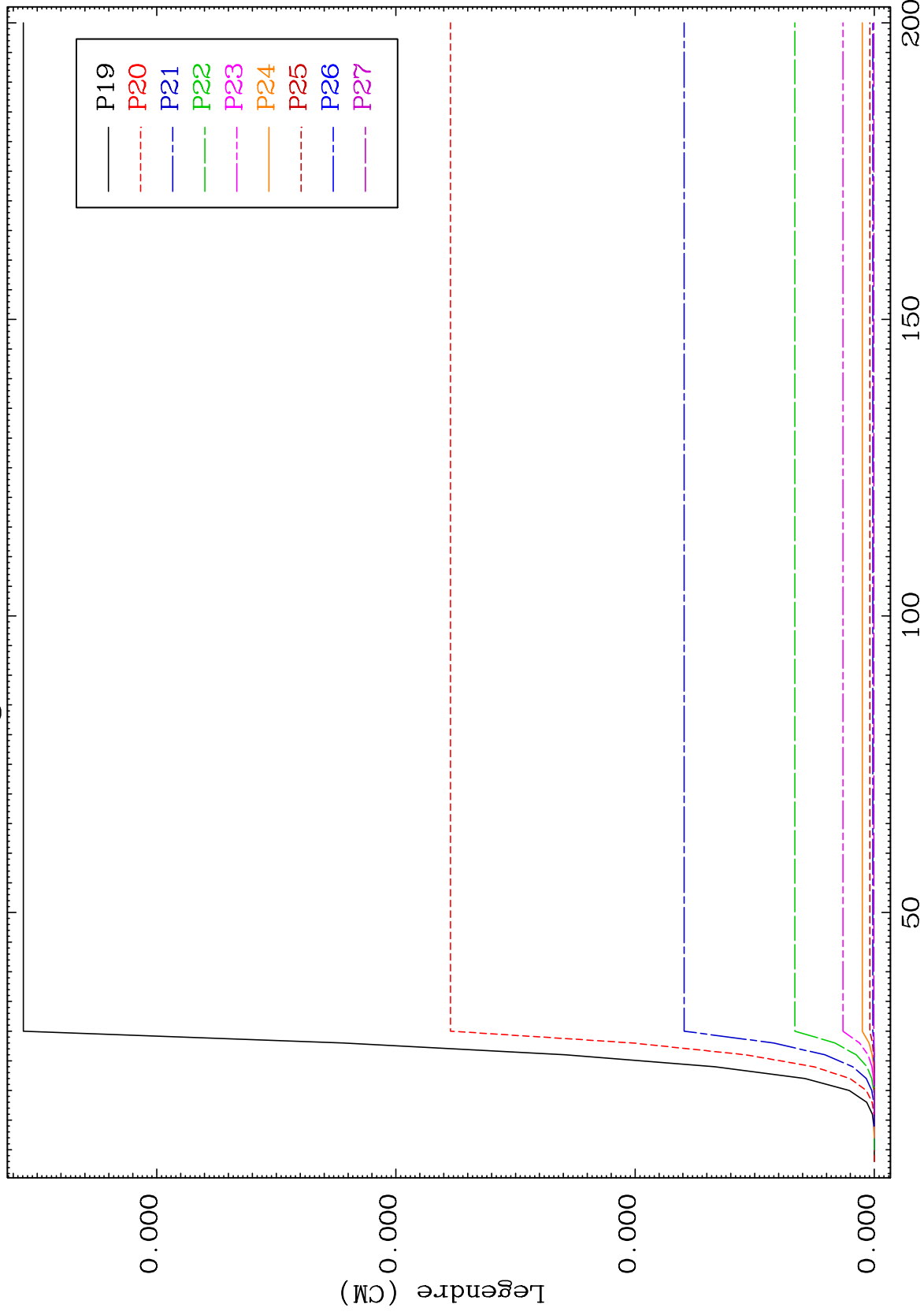
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



98

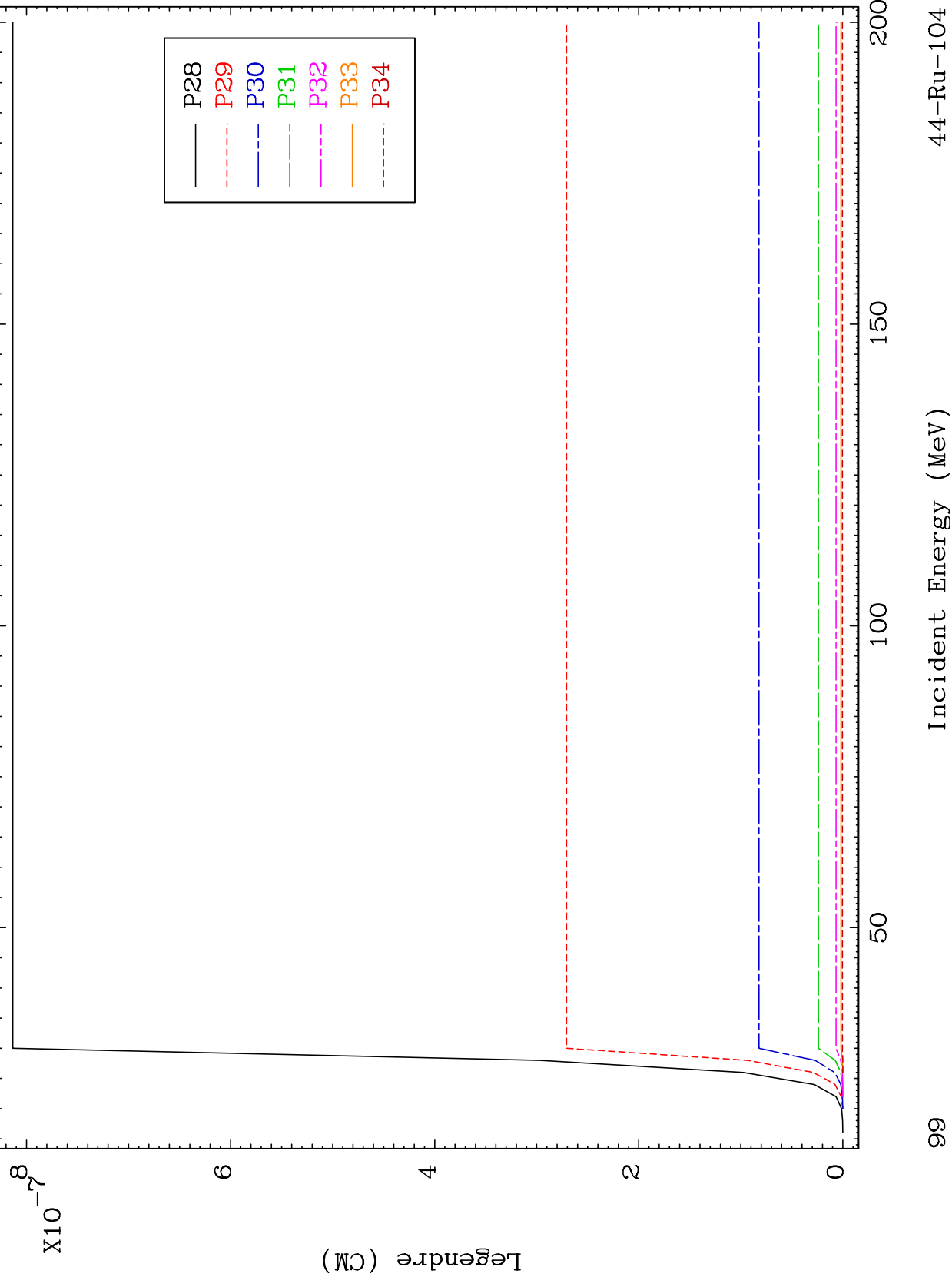
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



99

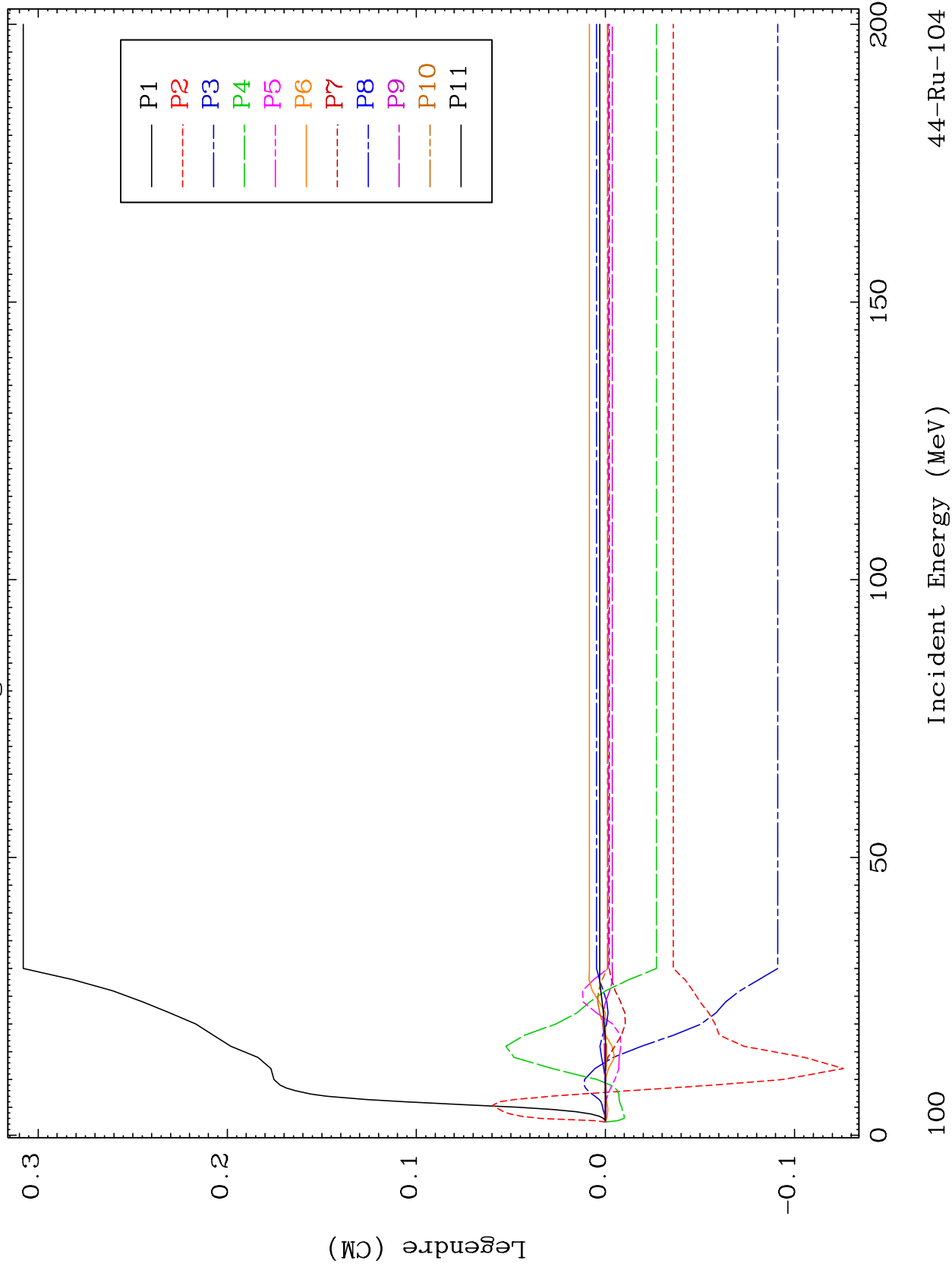
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104

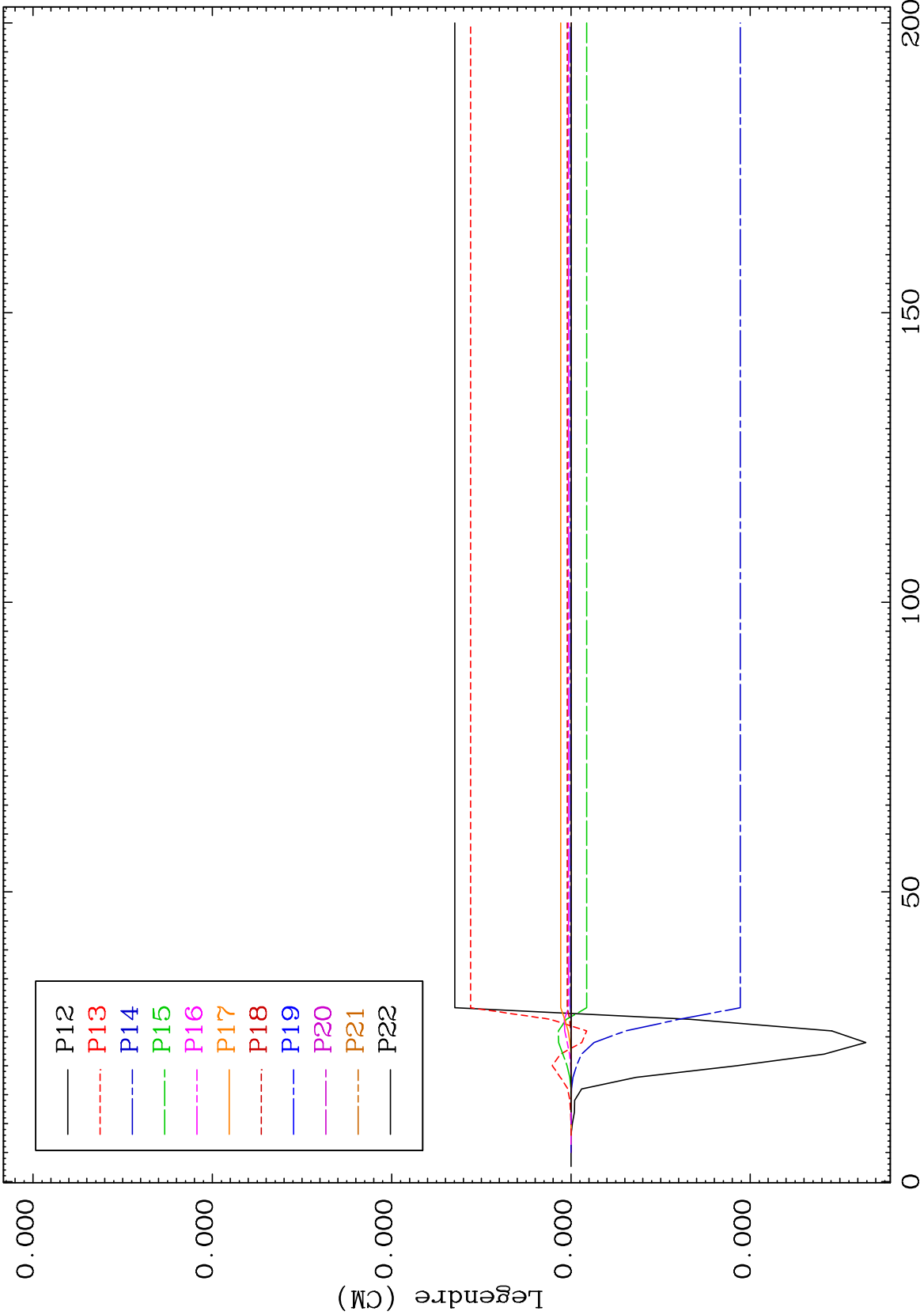


44-Ru-104

MAT 4449

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

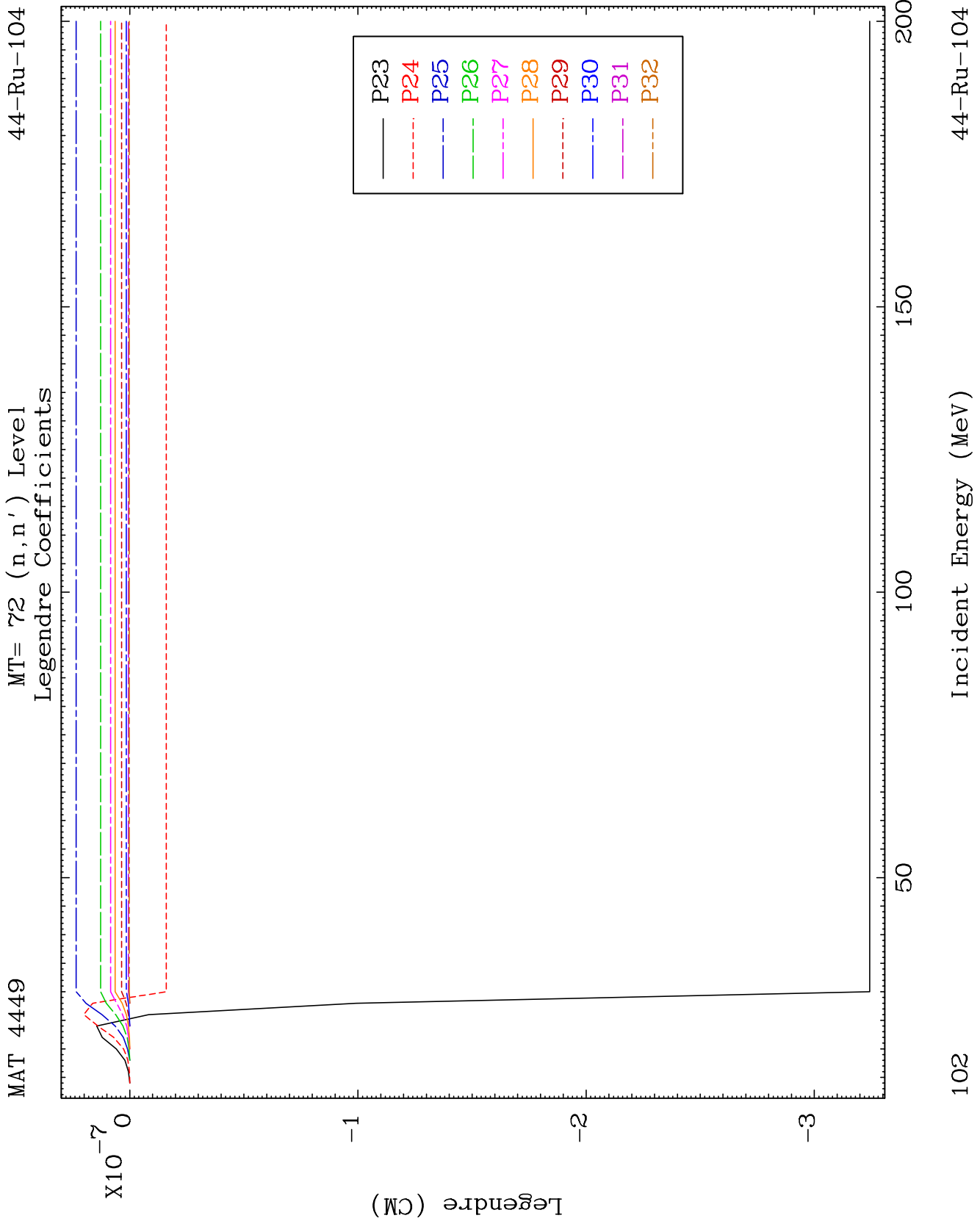
44-Ru-104



101

Incident Energy (MeV)

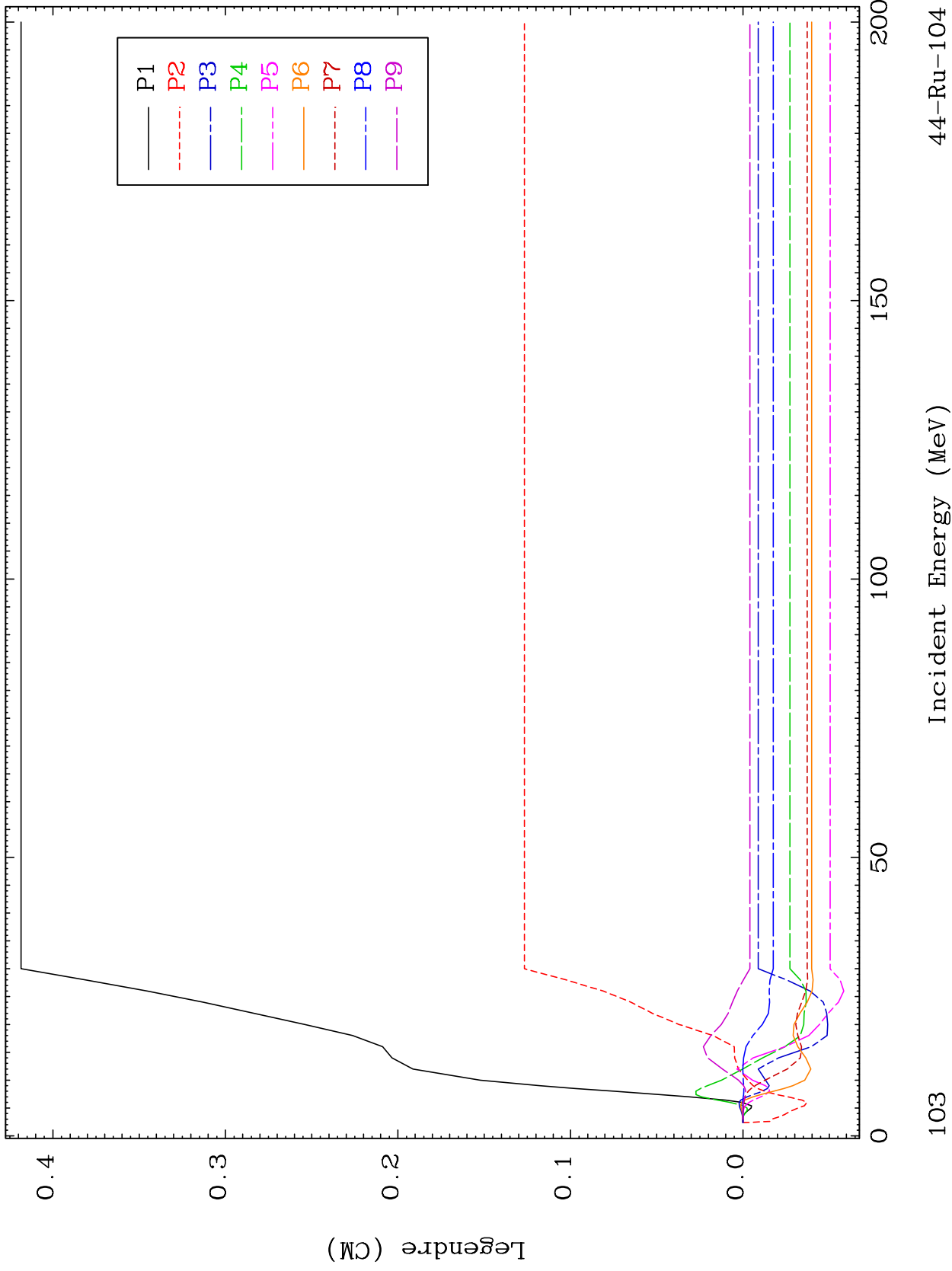
44-Ru-104



MAT 4449

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

44-Ru-104



44-Ru-104

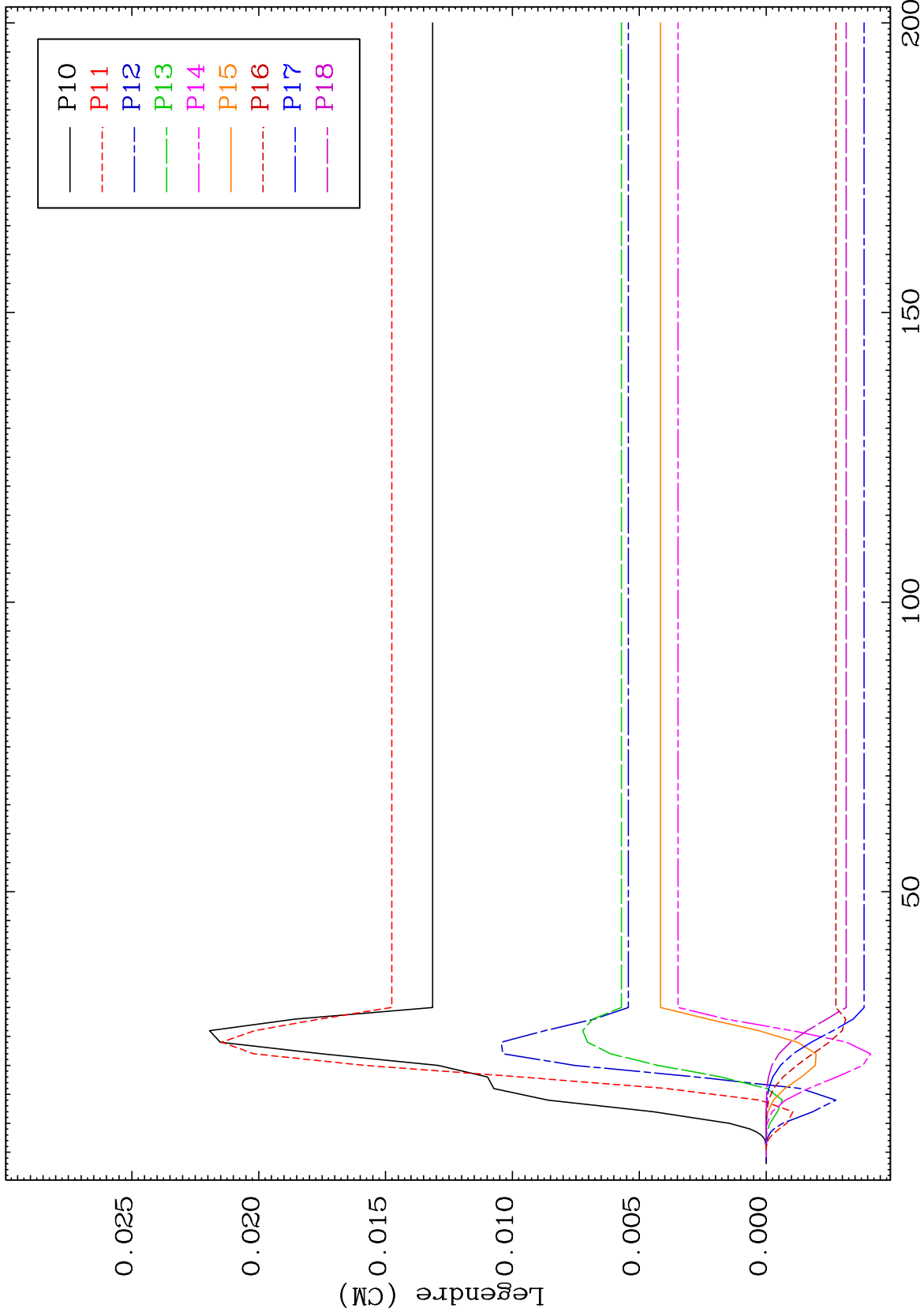
Incident Energy (MeV)

103

MAT 4449

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

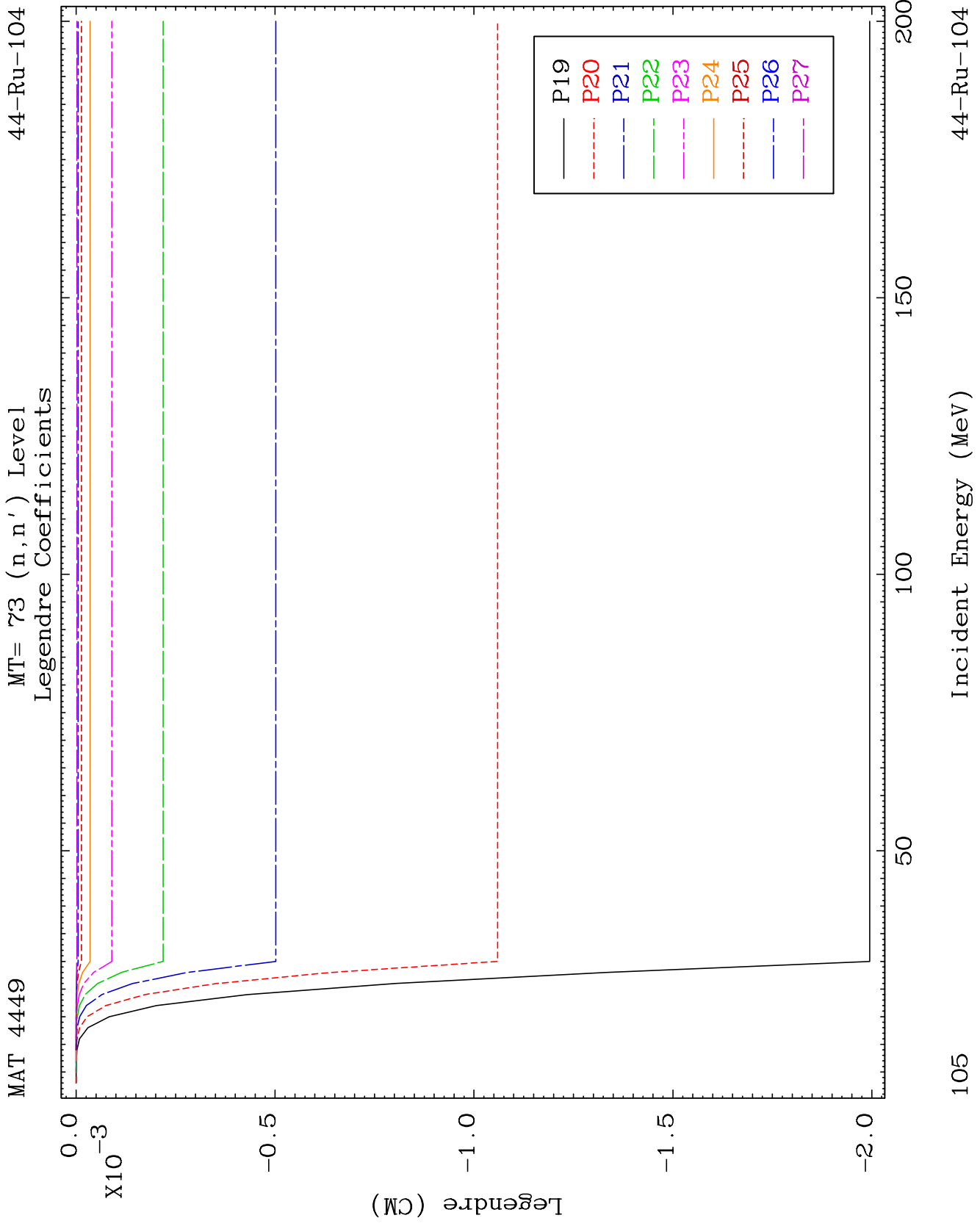
44-Ru-104

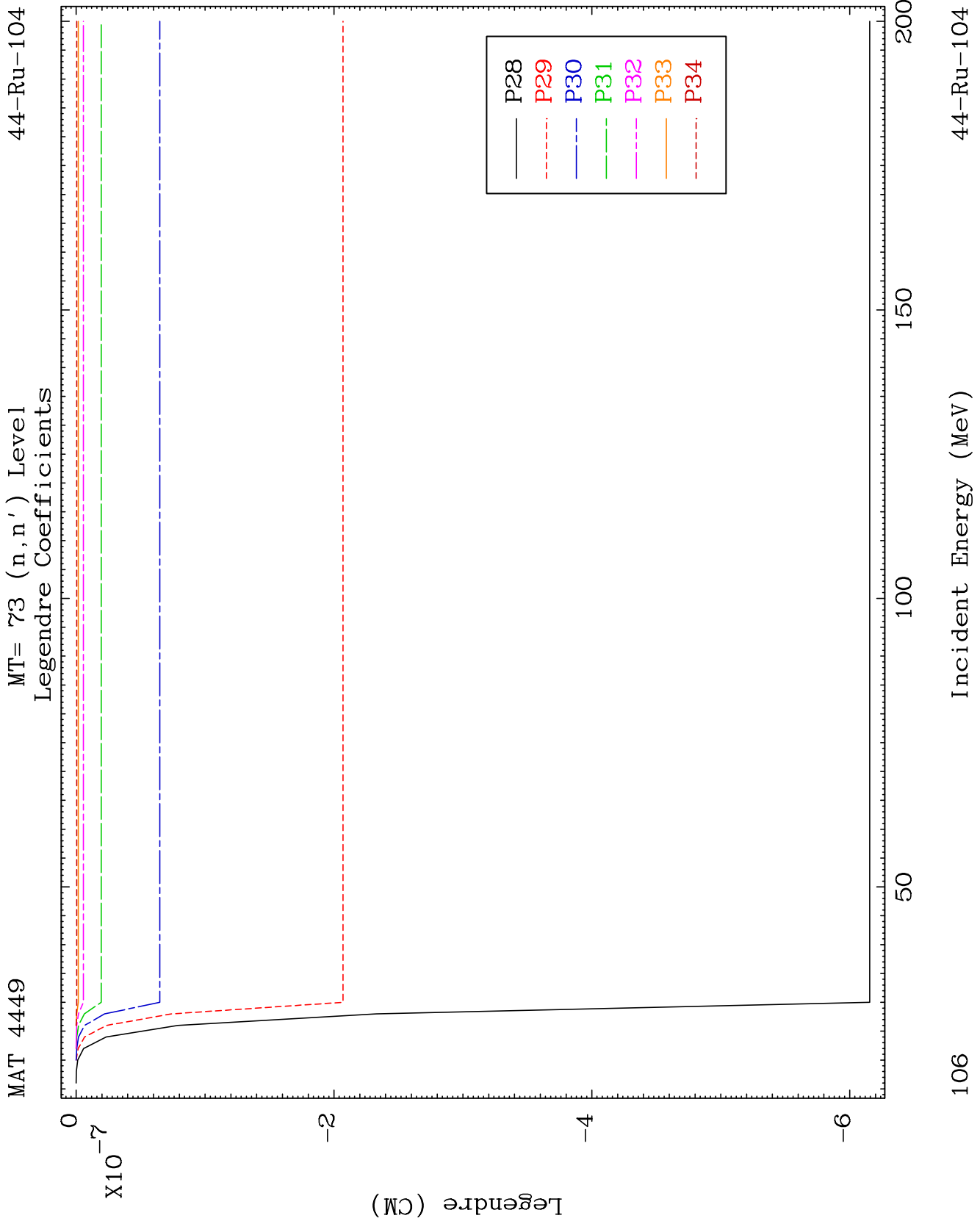


104

Incident Energy (MeV)

44-Ru-104

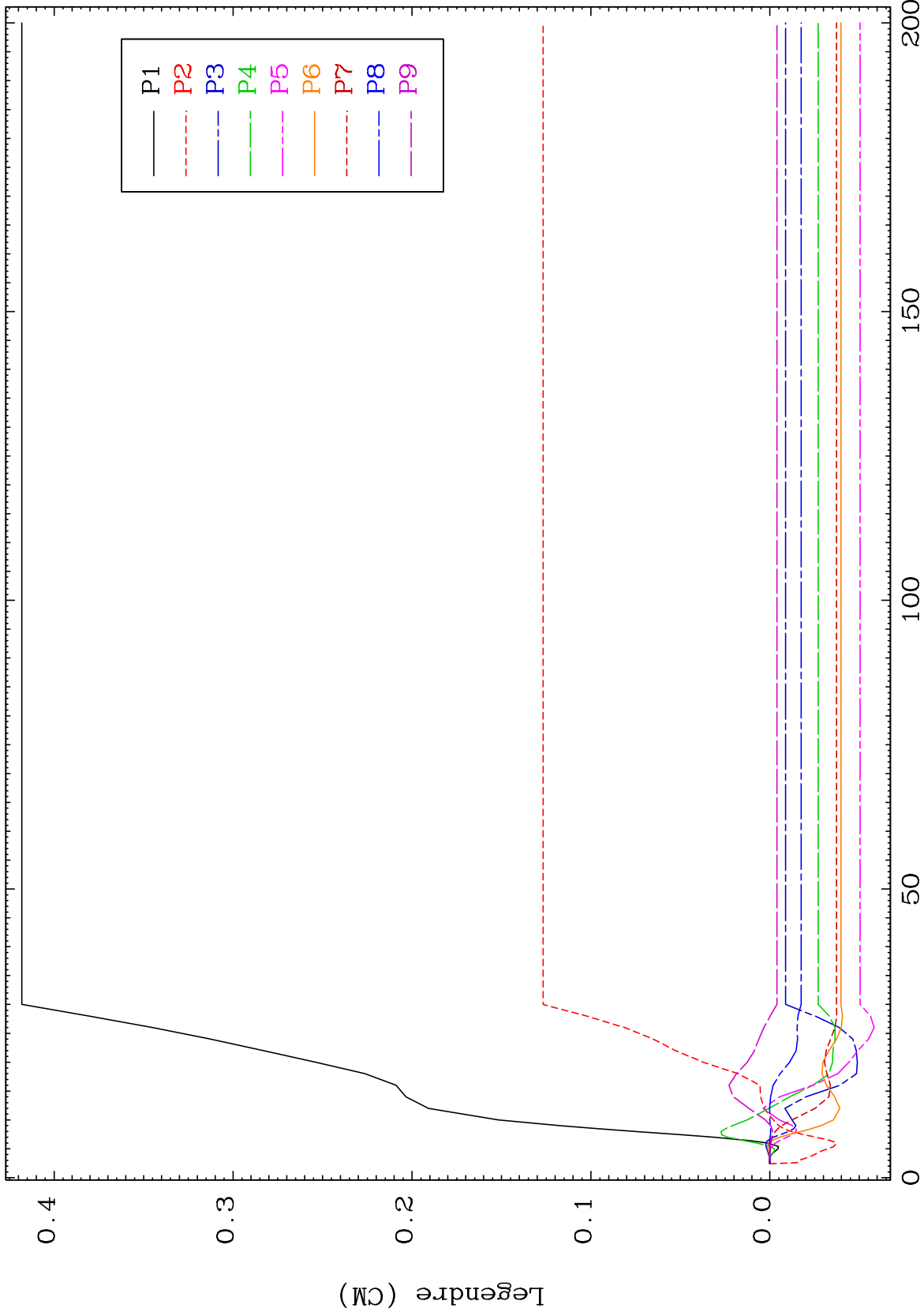




MAT 4449

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

44-Ru-104



107

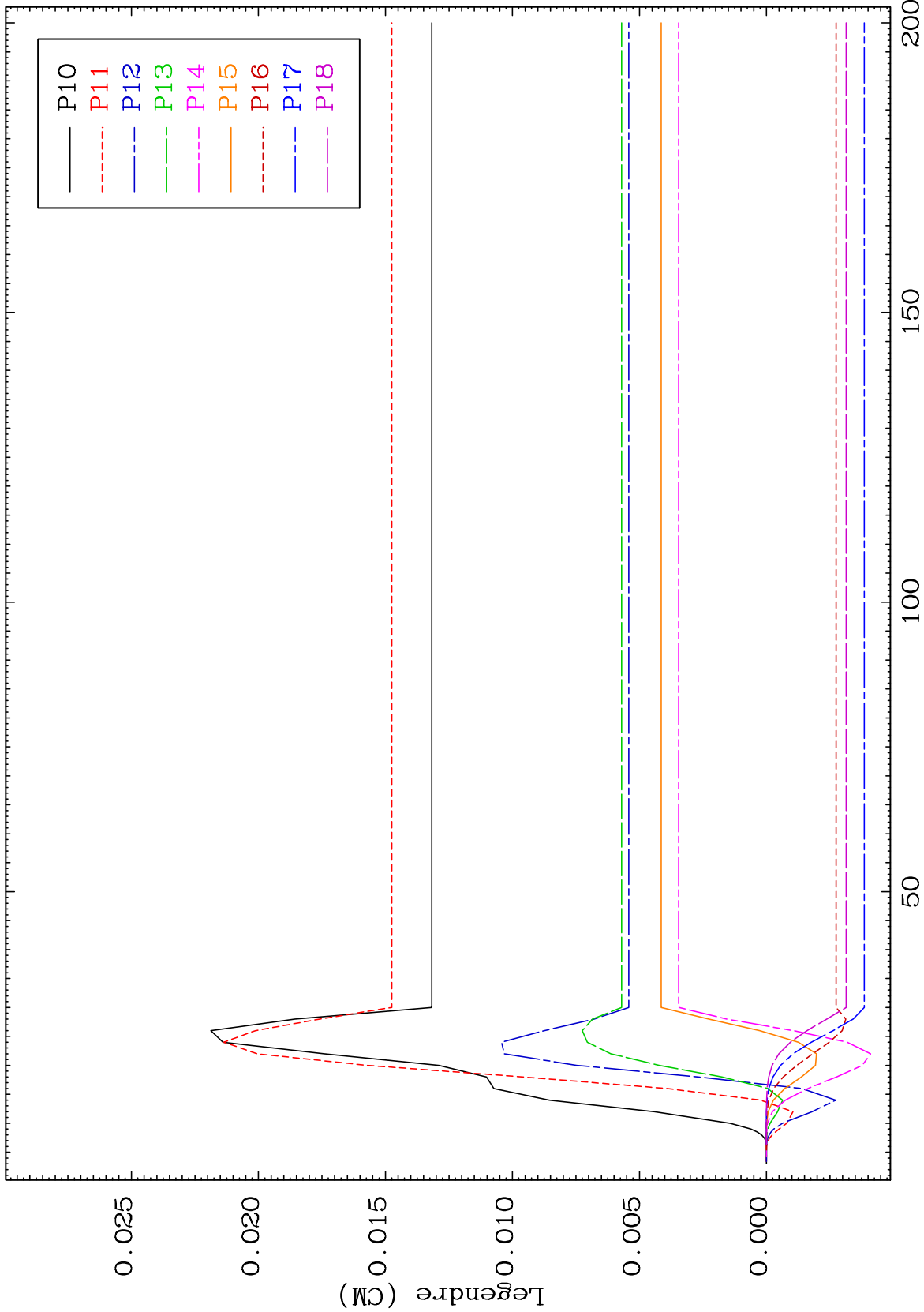
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



108

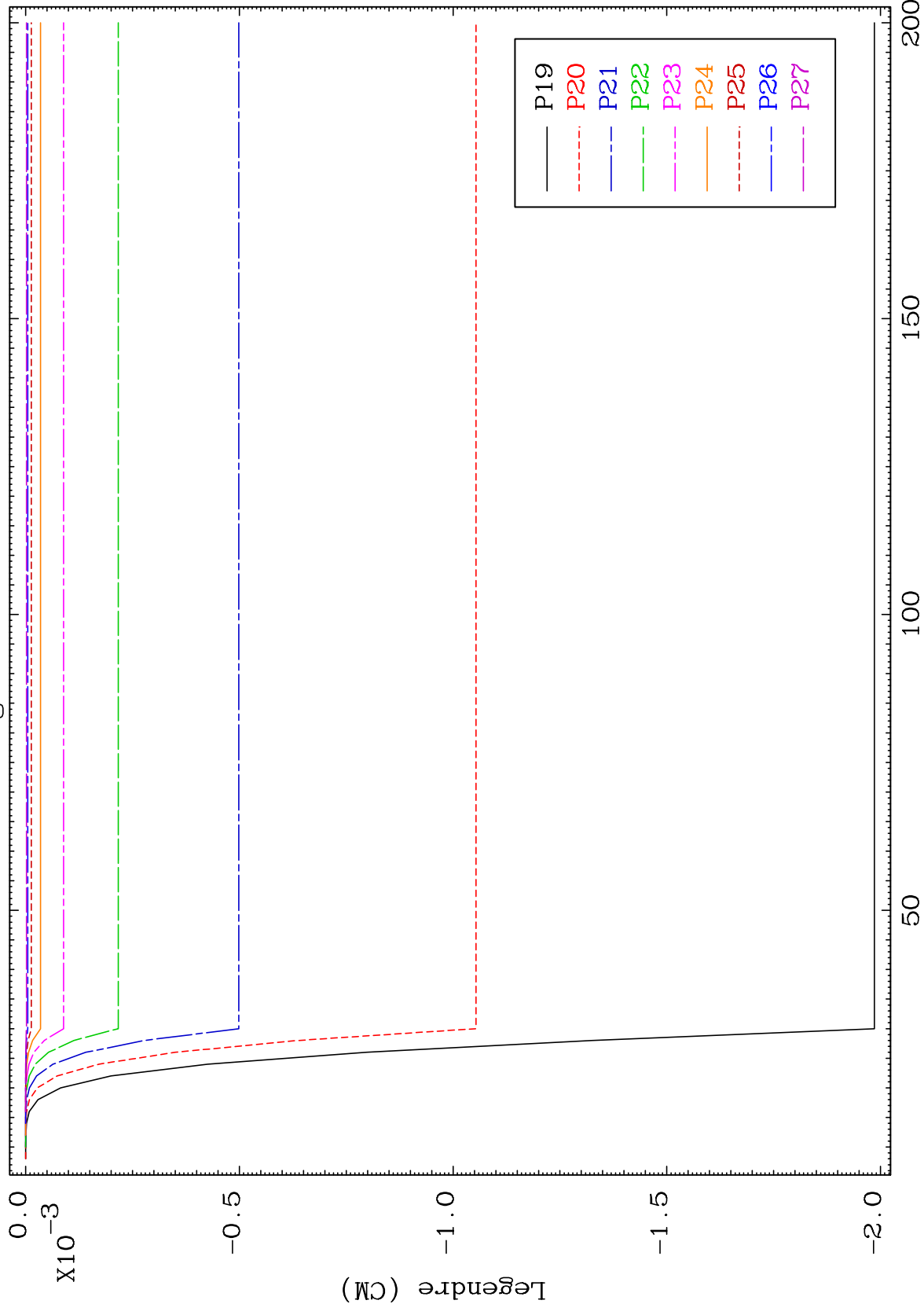
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

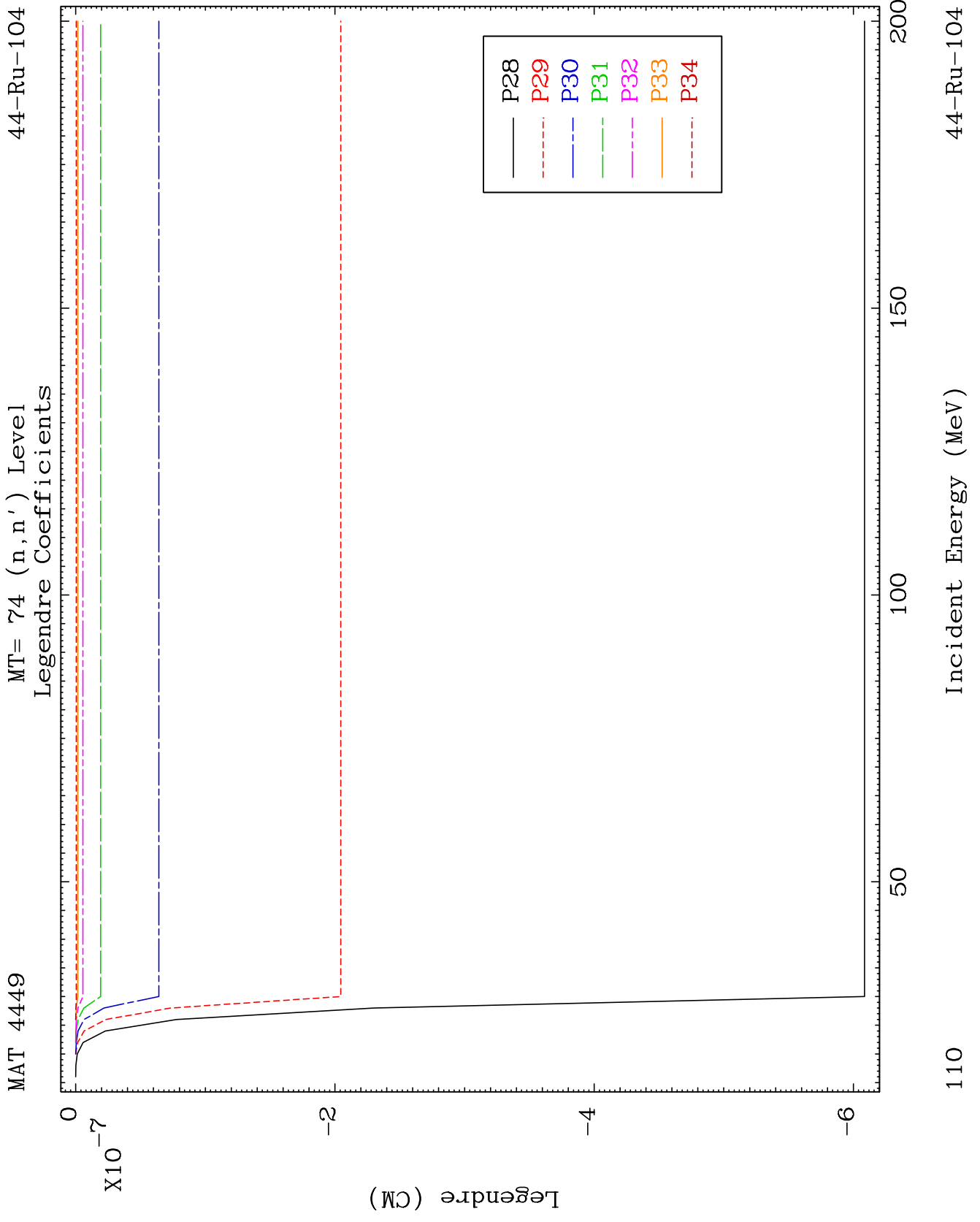
44-Ru-104



109

Incident Energy (MeV)

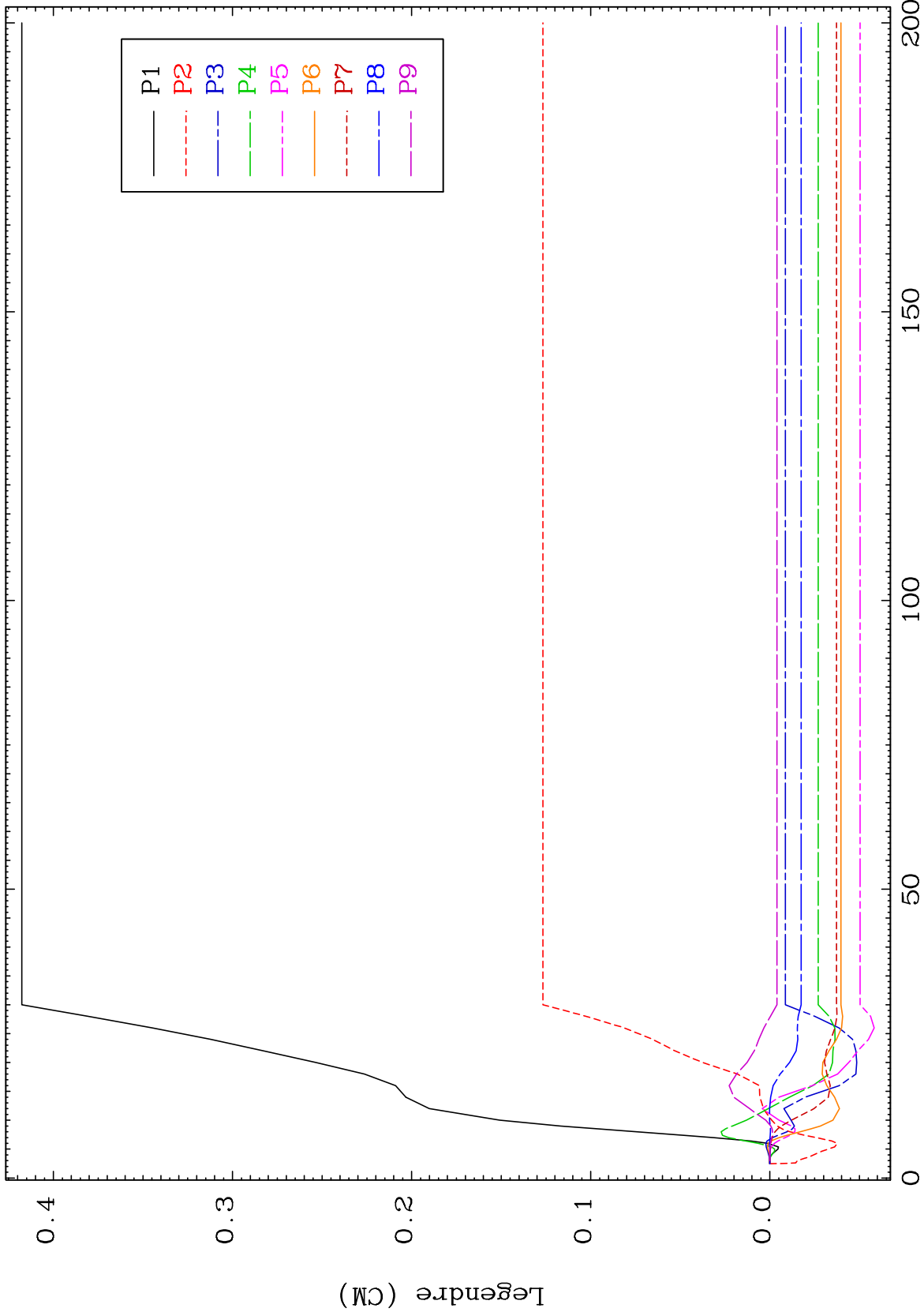
44-Ru-104



MAT 4449

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

44-Ru-104



111

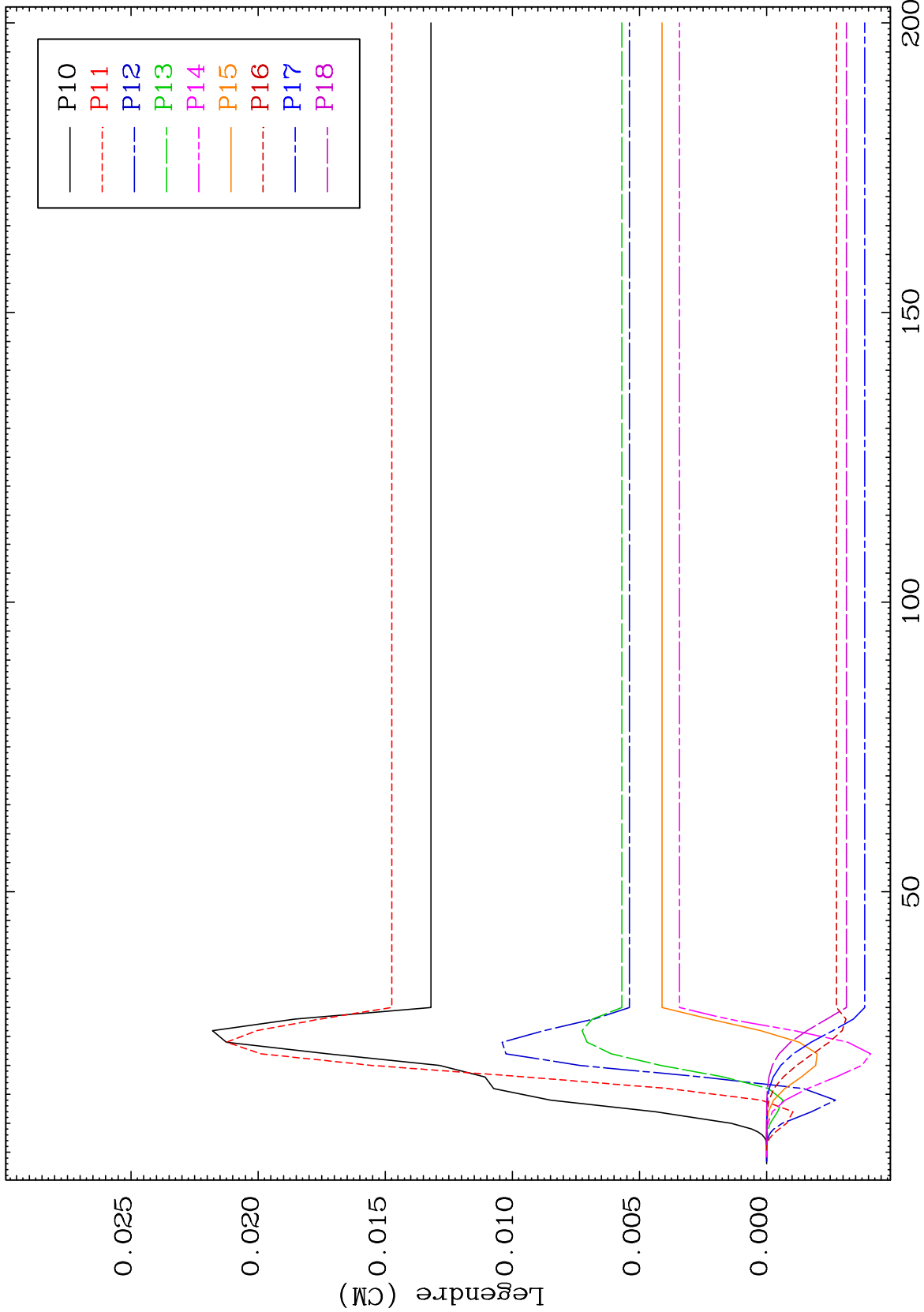
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



112

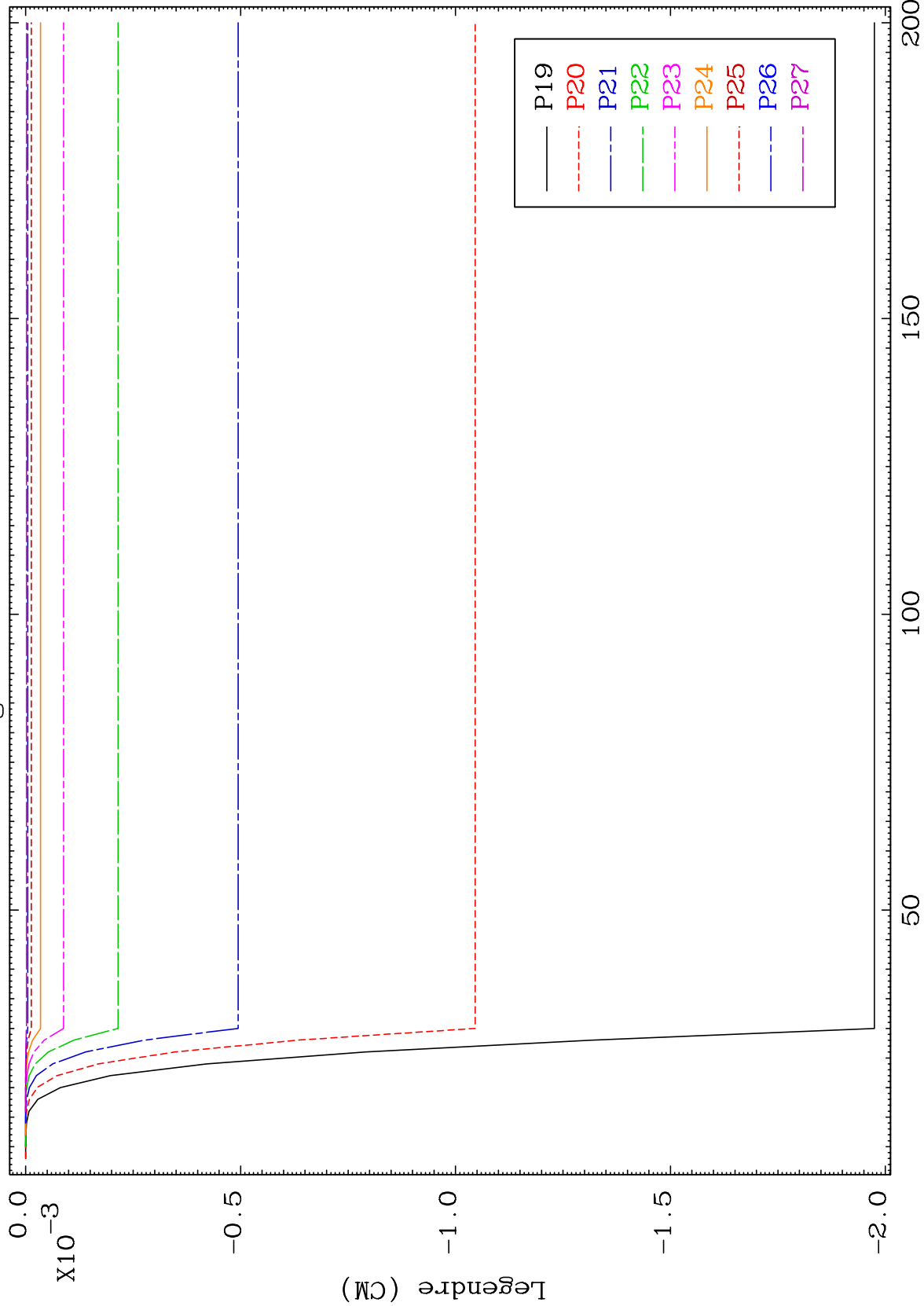
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

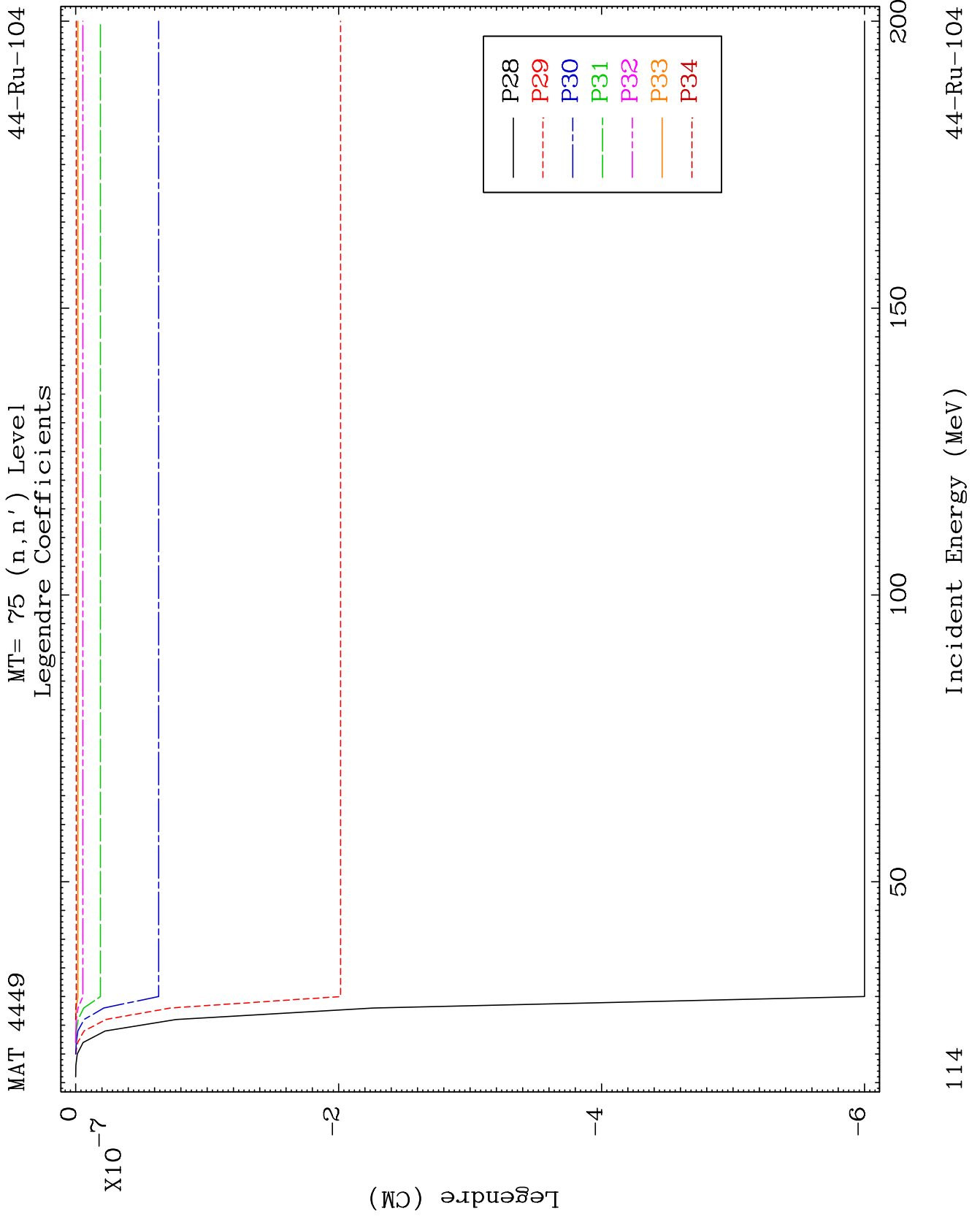
44-Ru-104



113

Incident Energy (MeV)

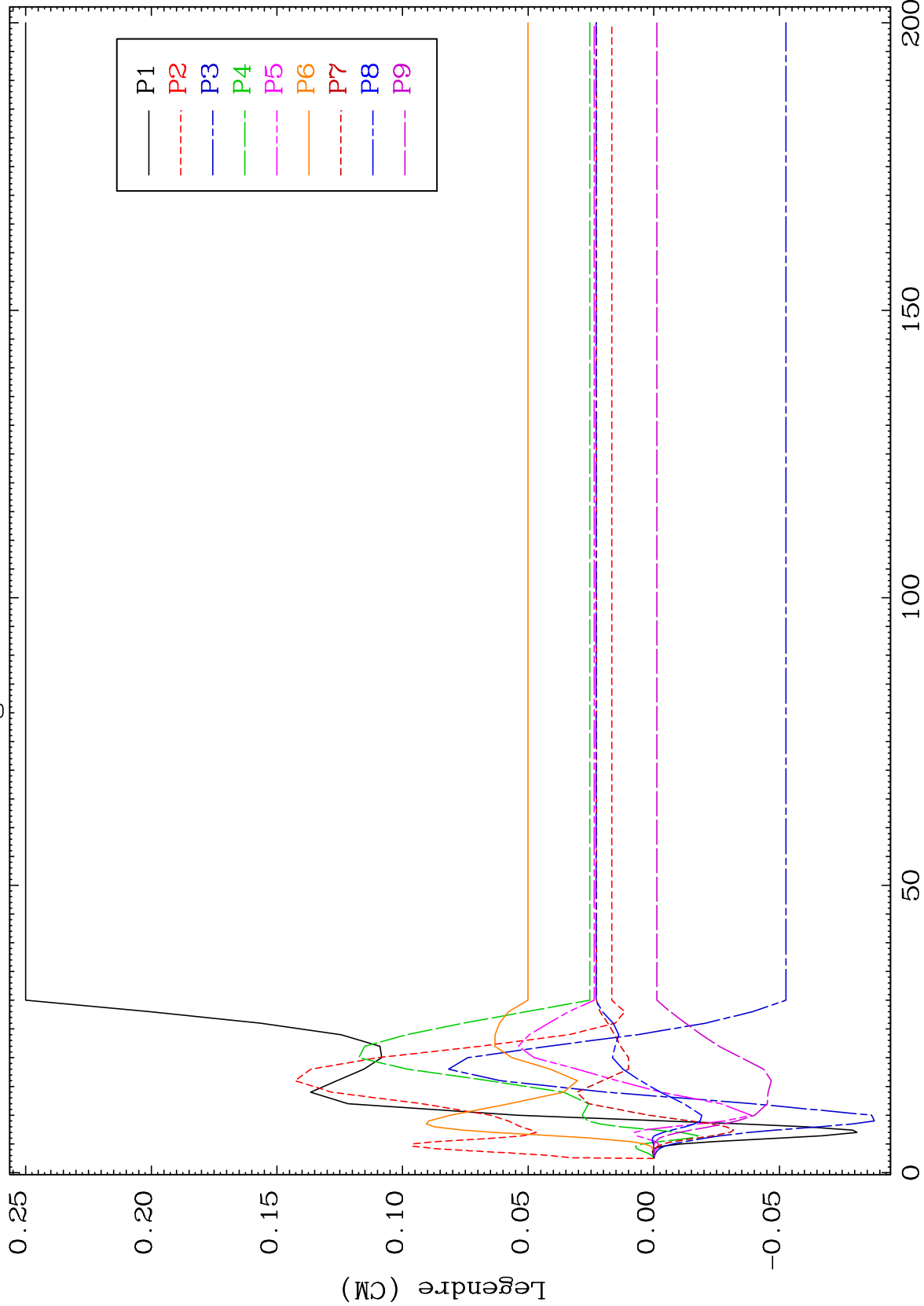
44-Ru-104



MAT 4449

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

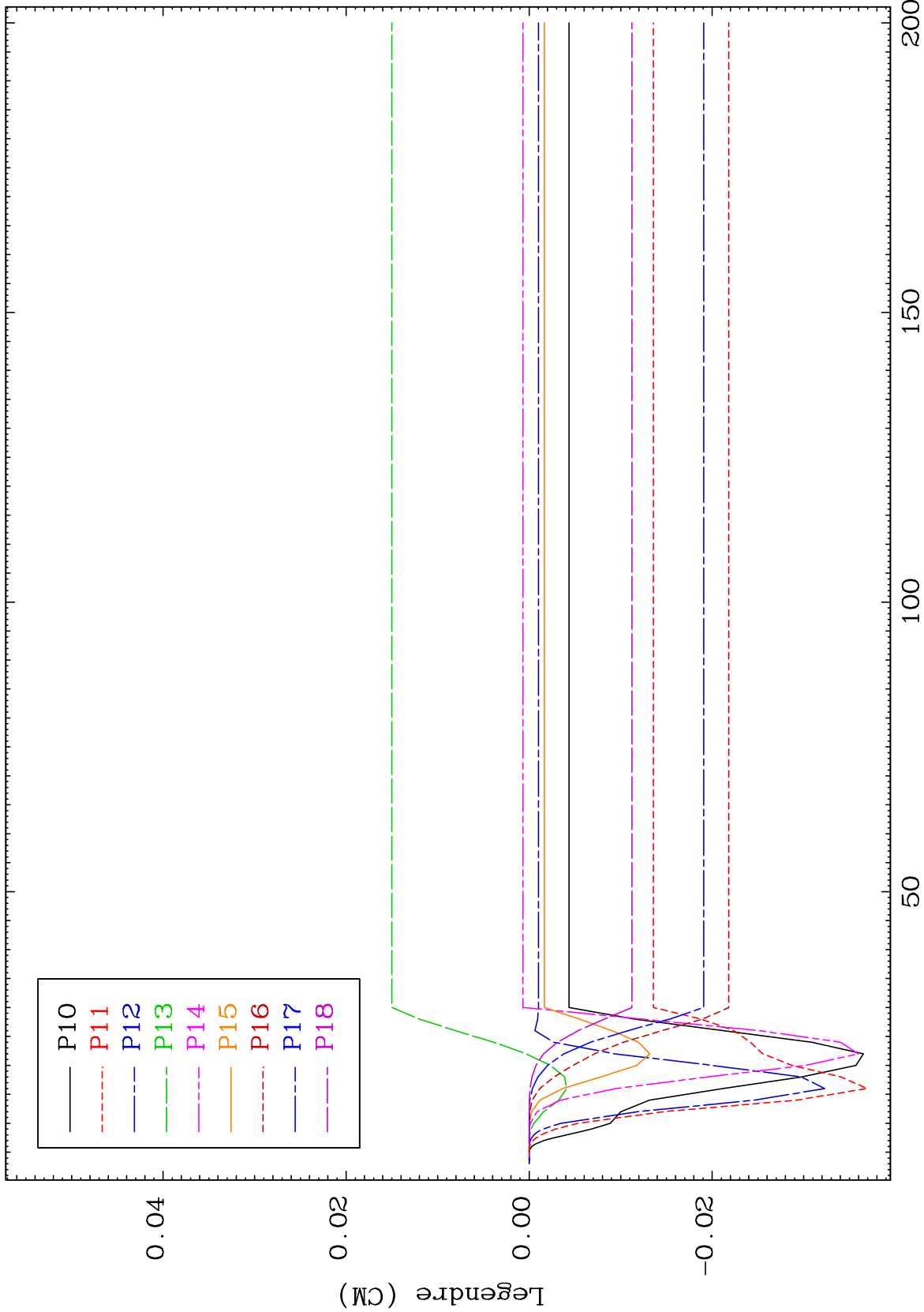
44-Ru-104

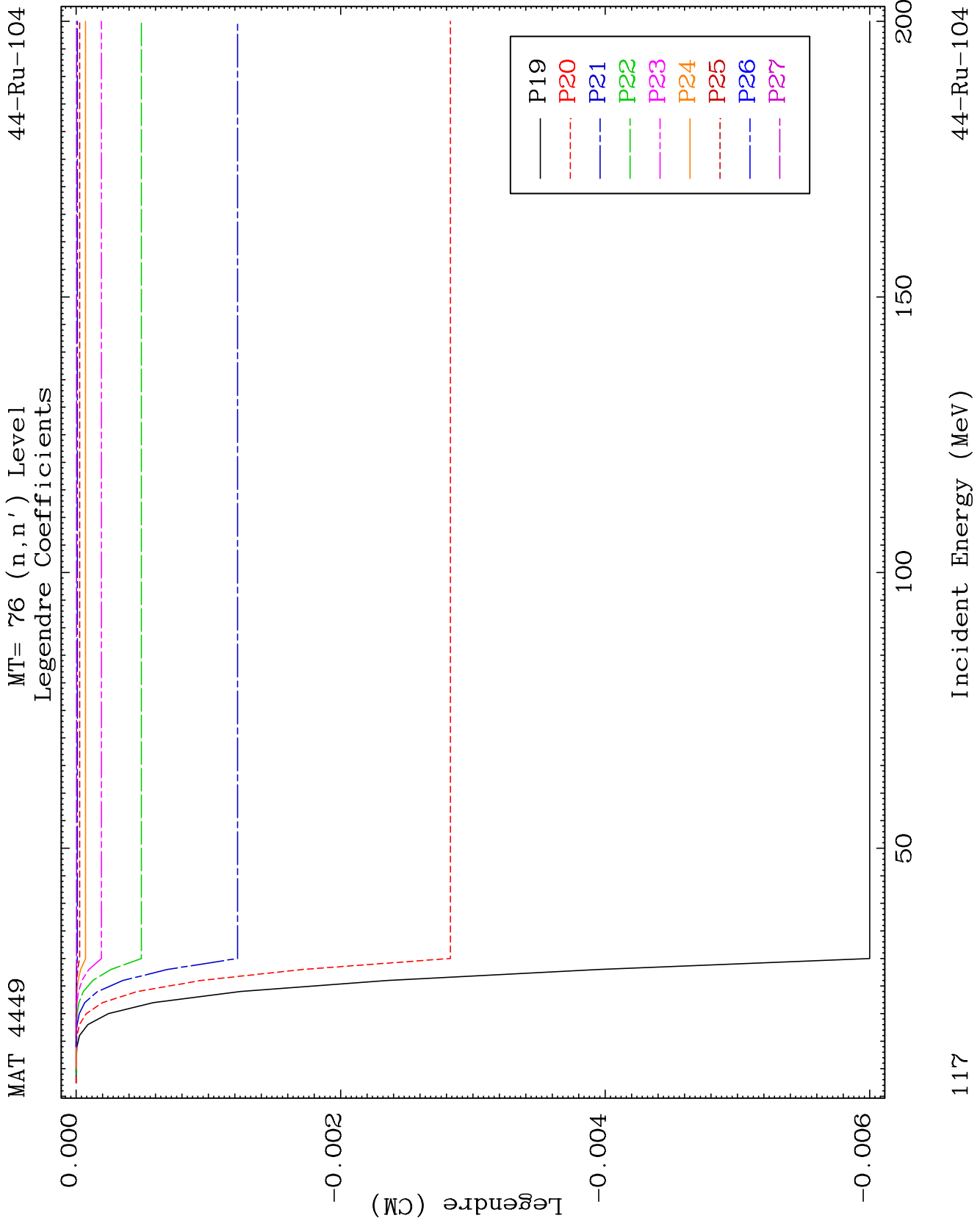


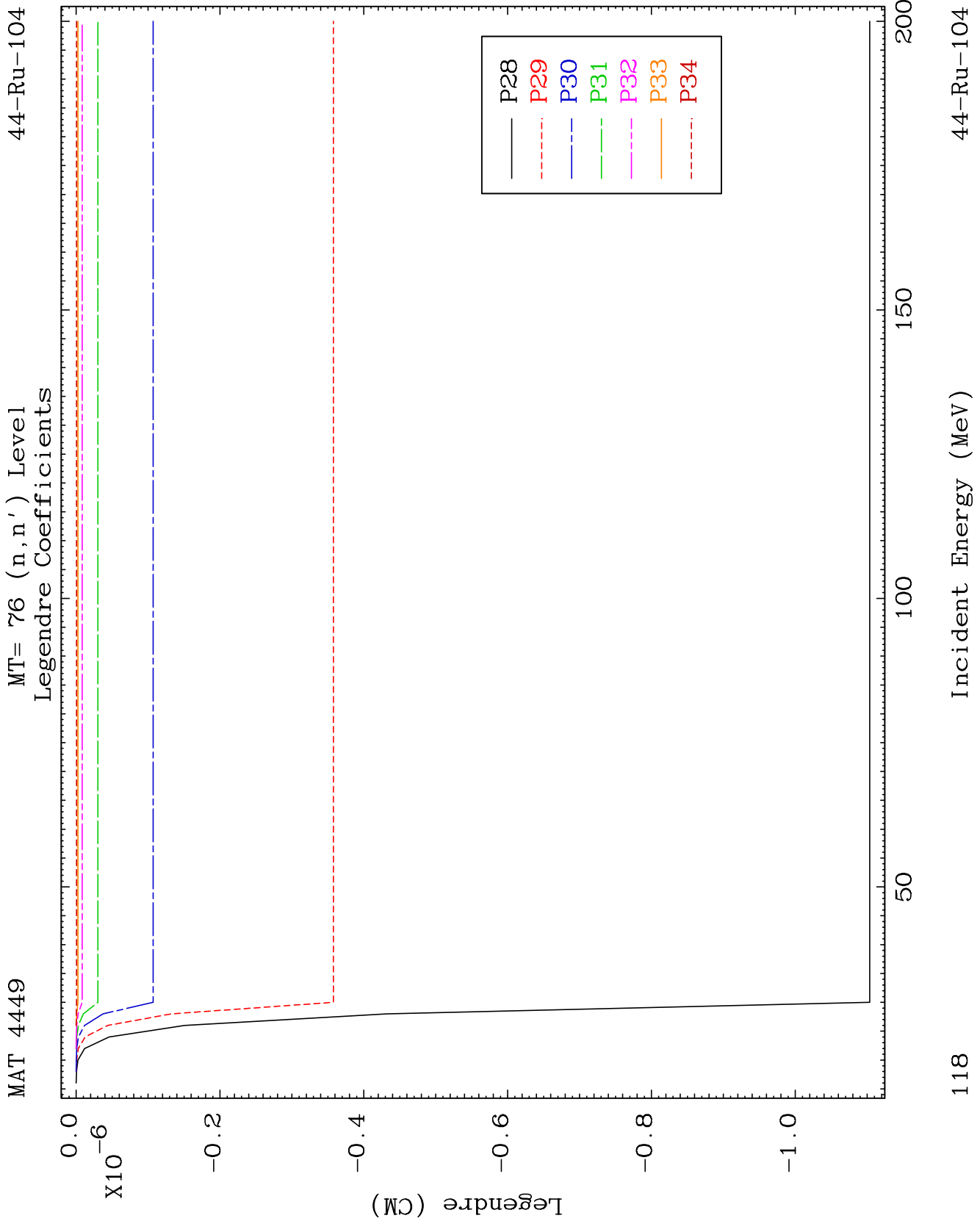
115

Incident Energy (MeV)

44-Ru-104



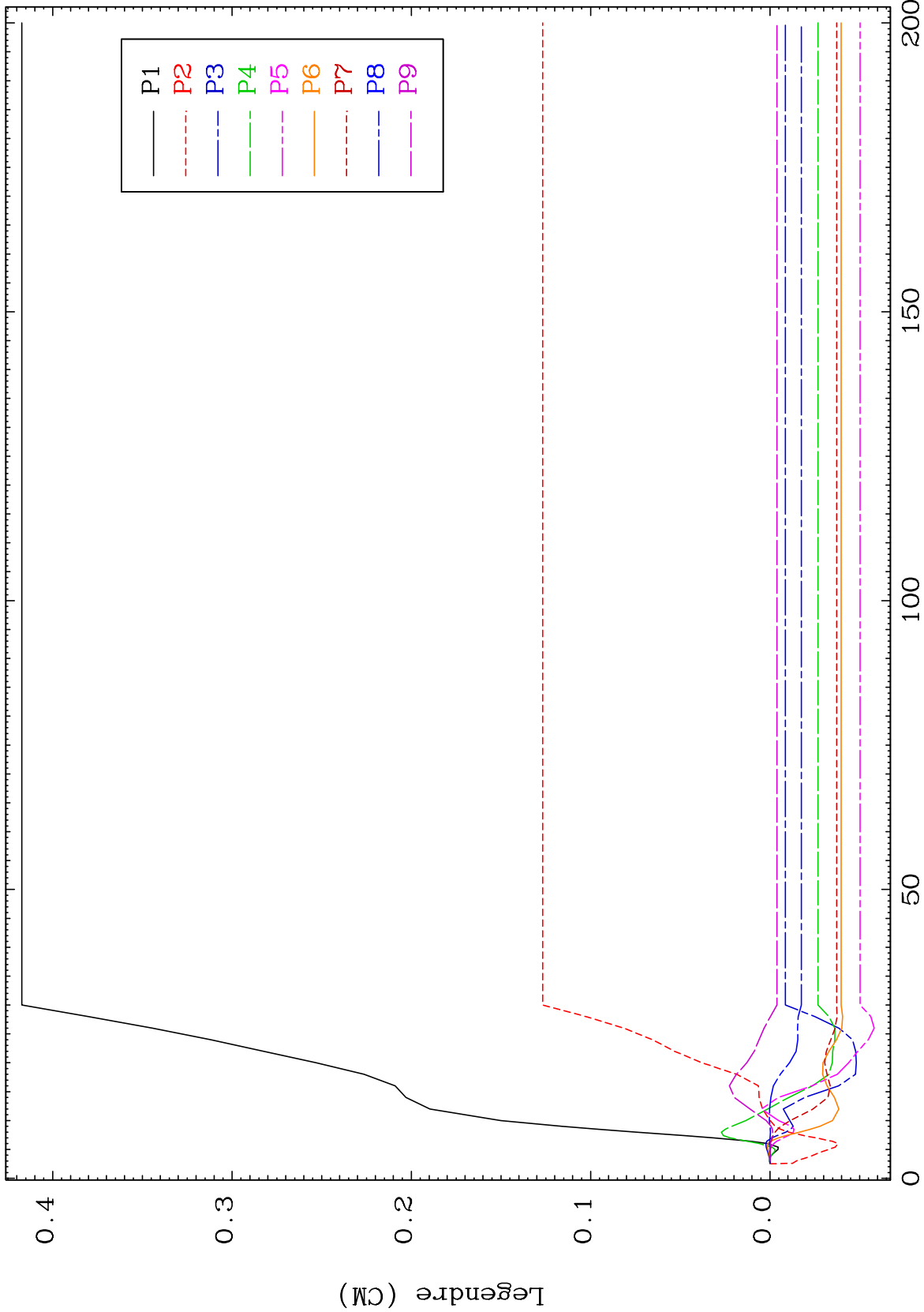




MAT 4449

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

44-Ru-104



119

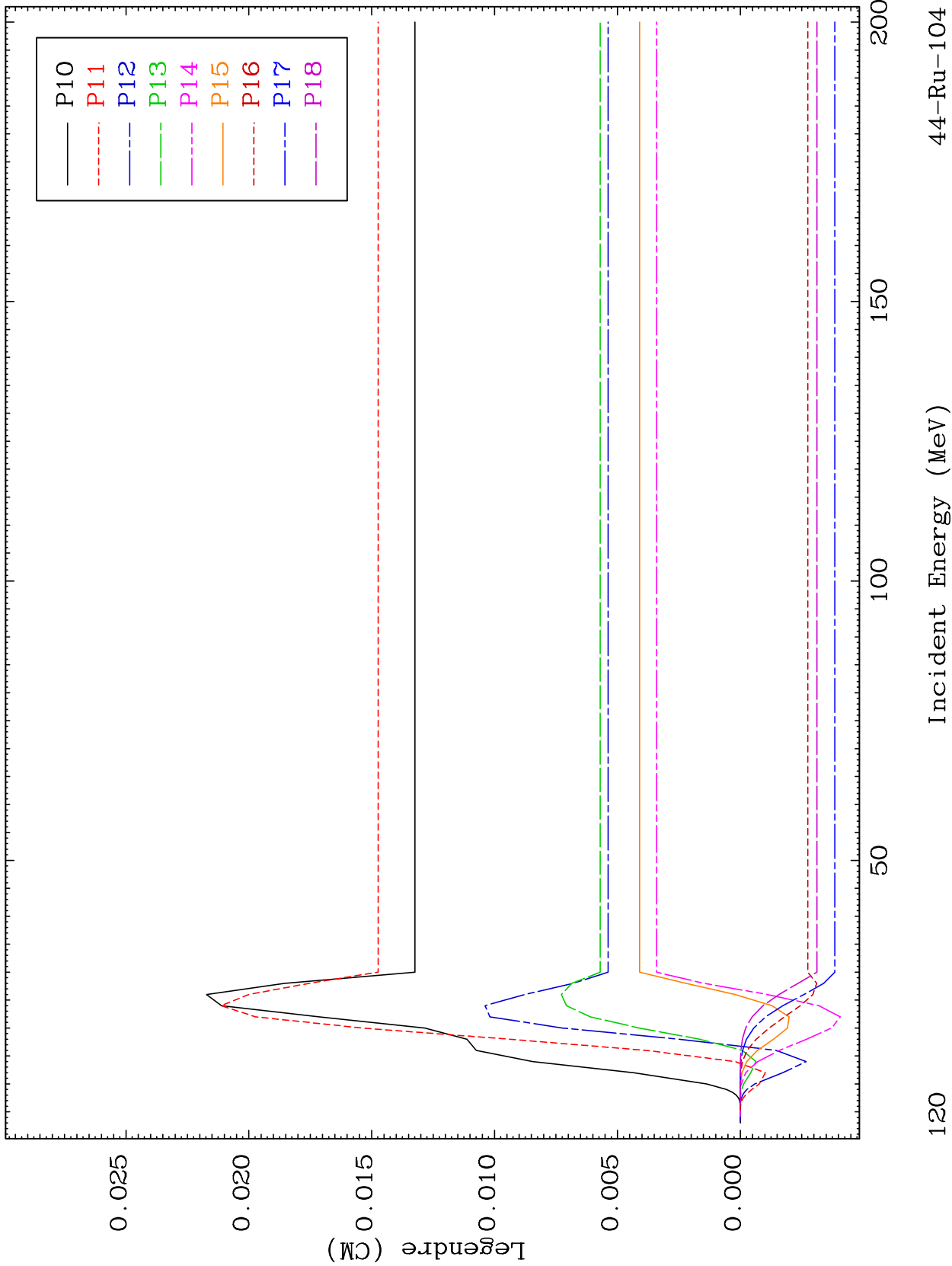
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



120

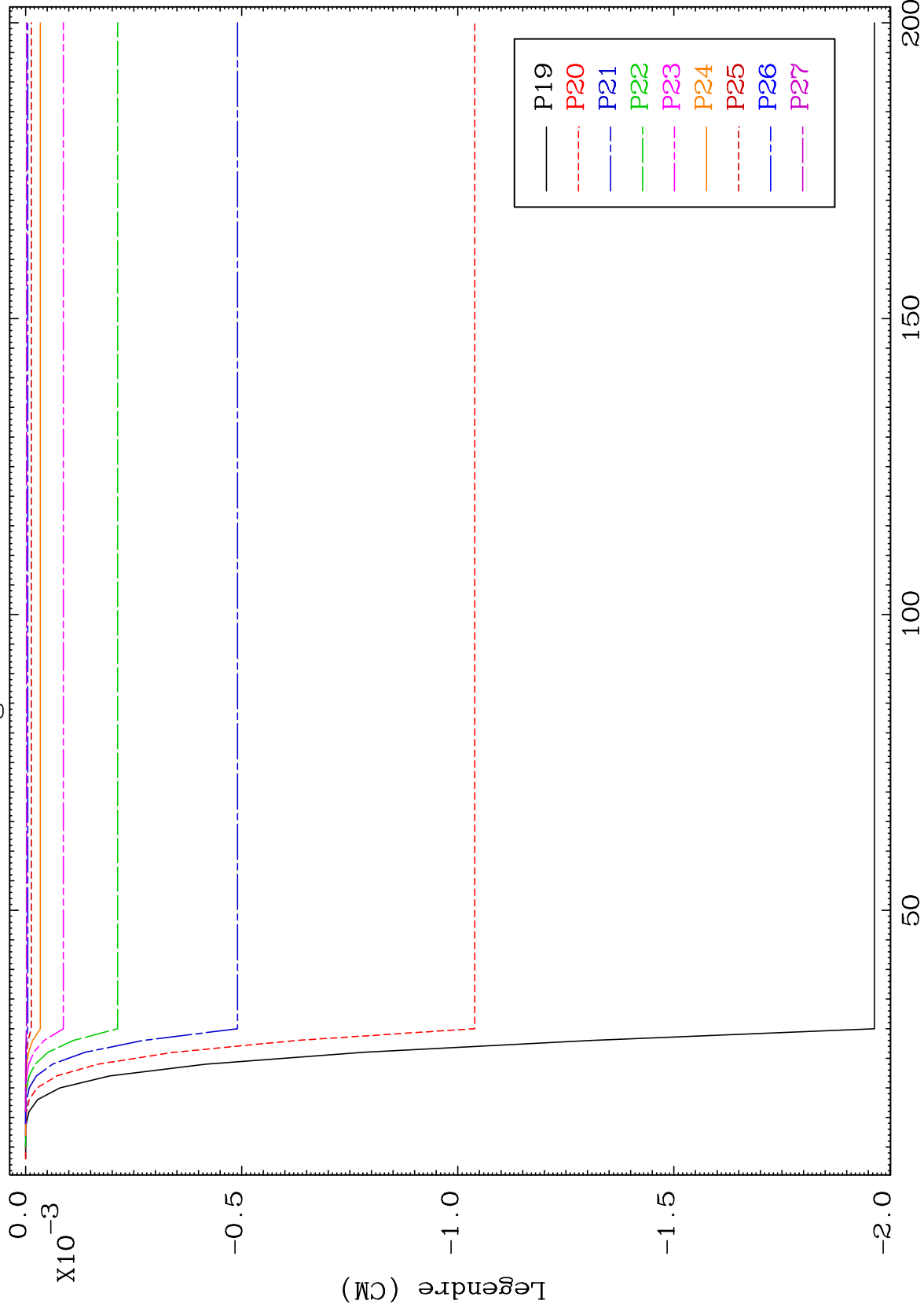
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

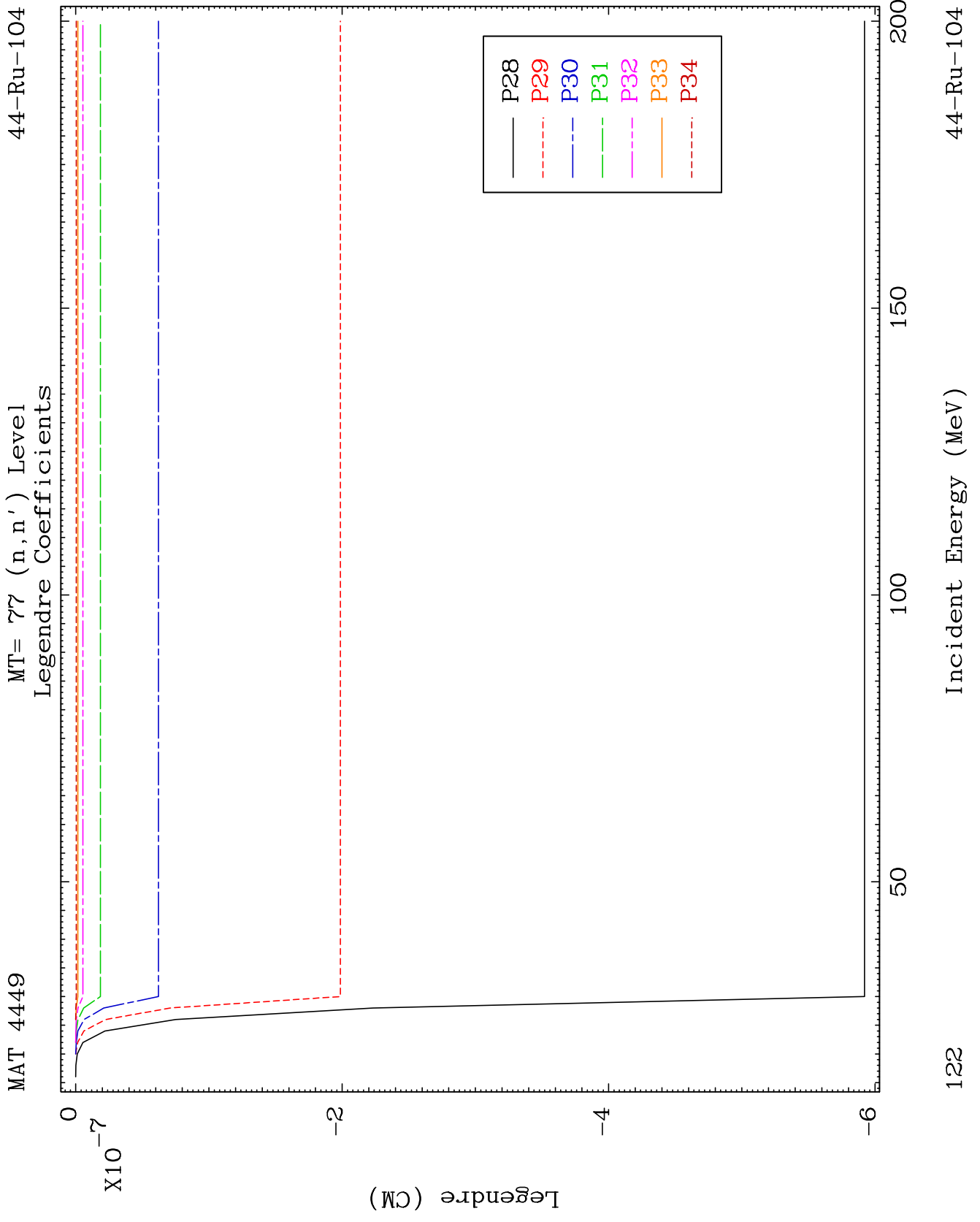
44-Ru-104



121

Incident Energy (MeV)

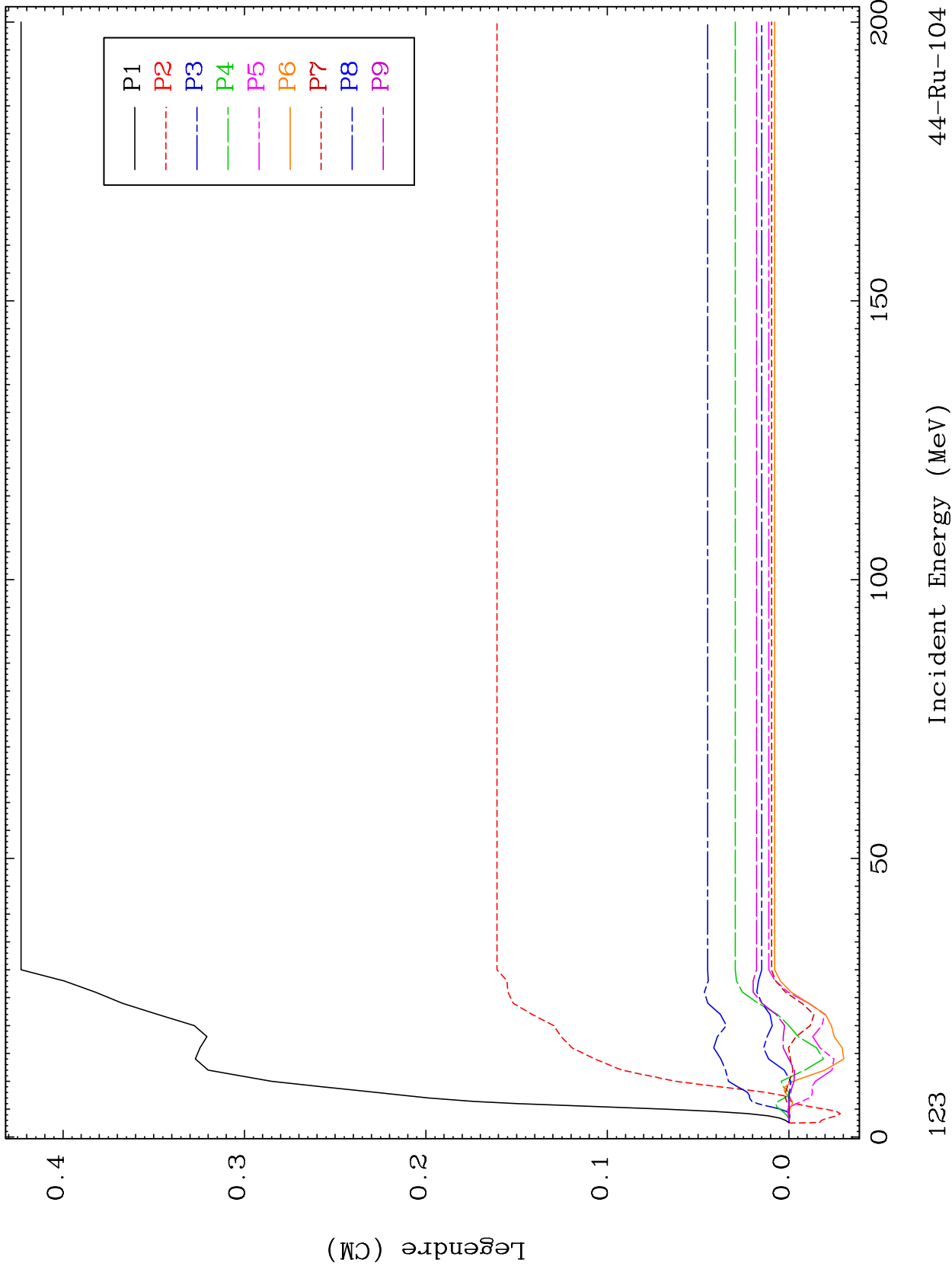
44-Ru-104



MAT 4449

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

44-Ru-104

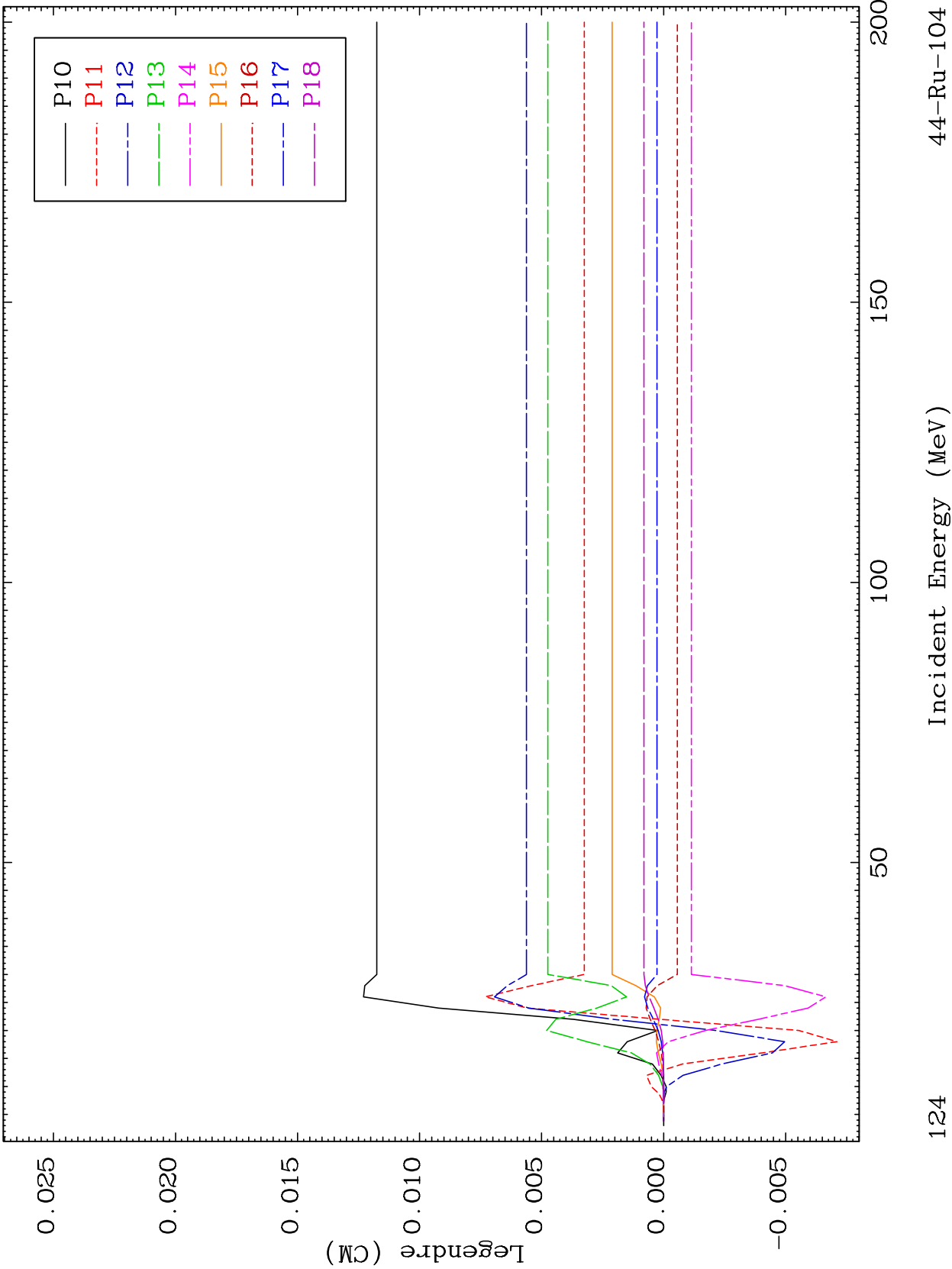


123

MAT 4449

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

44-Ru-104



124

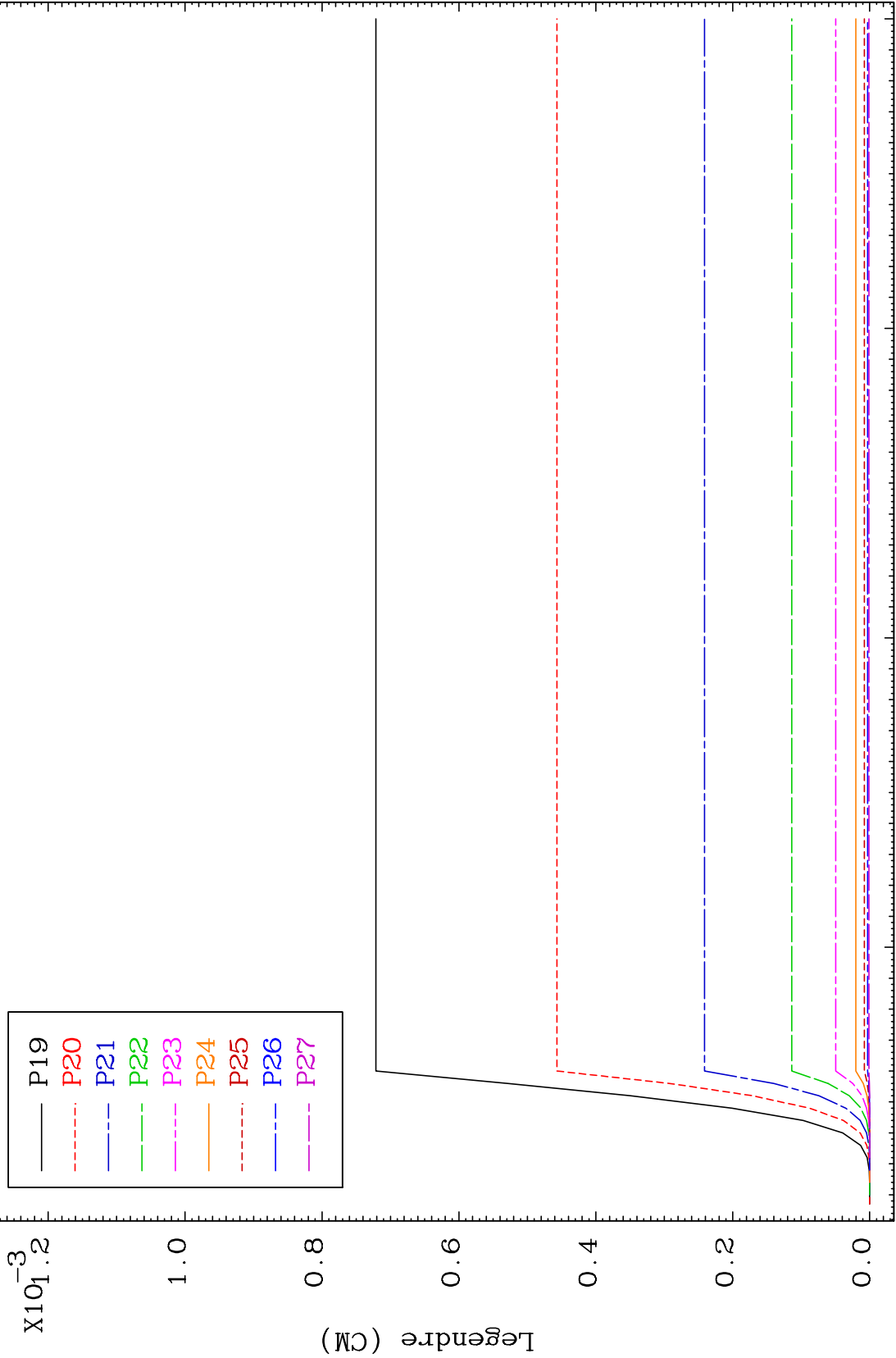
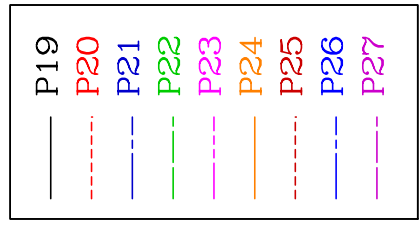
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



125

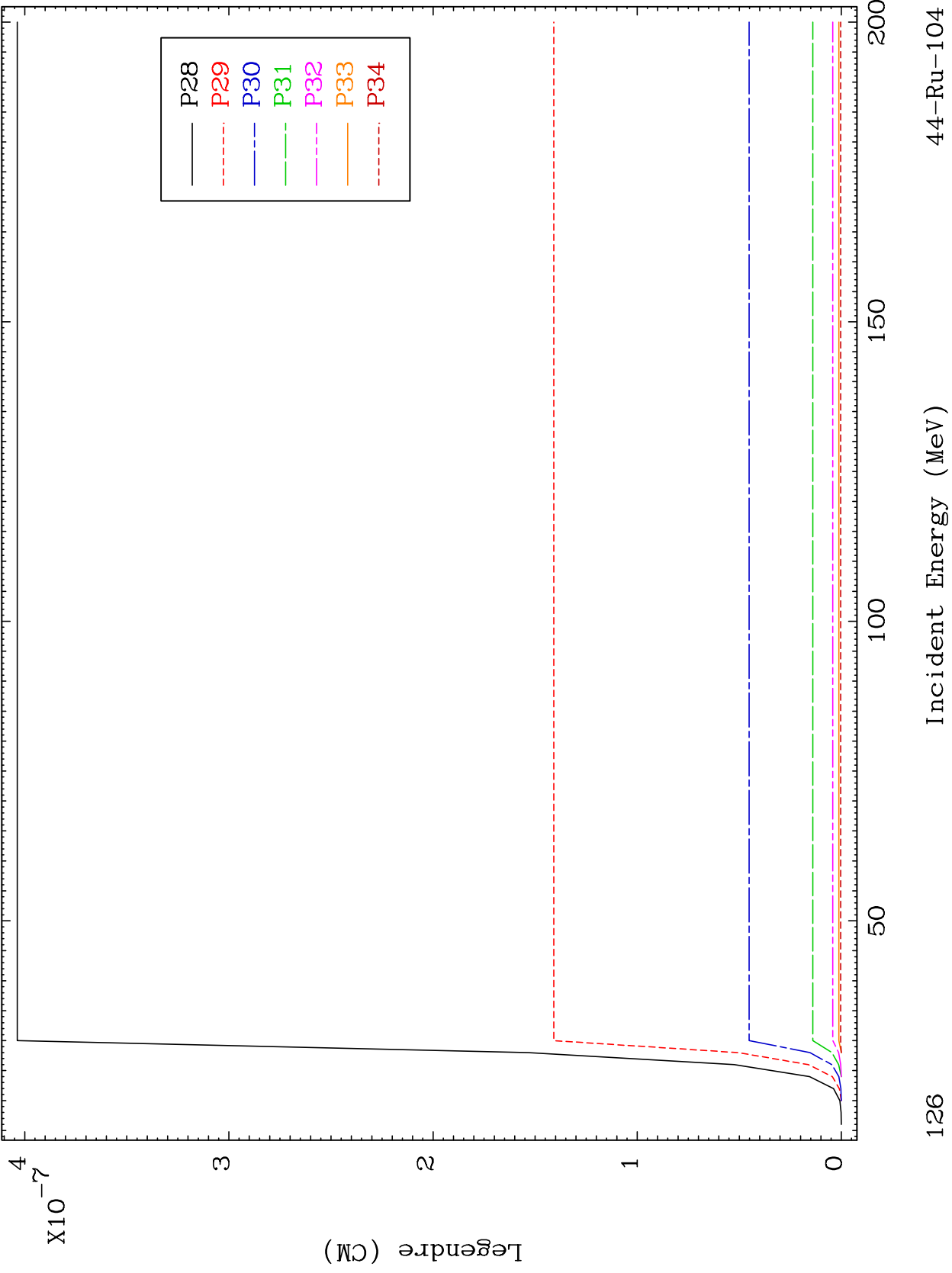
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



126

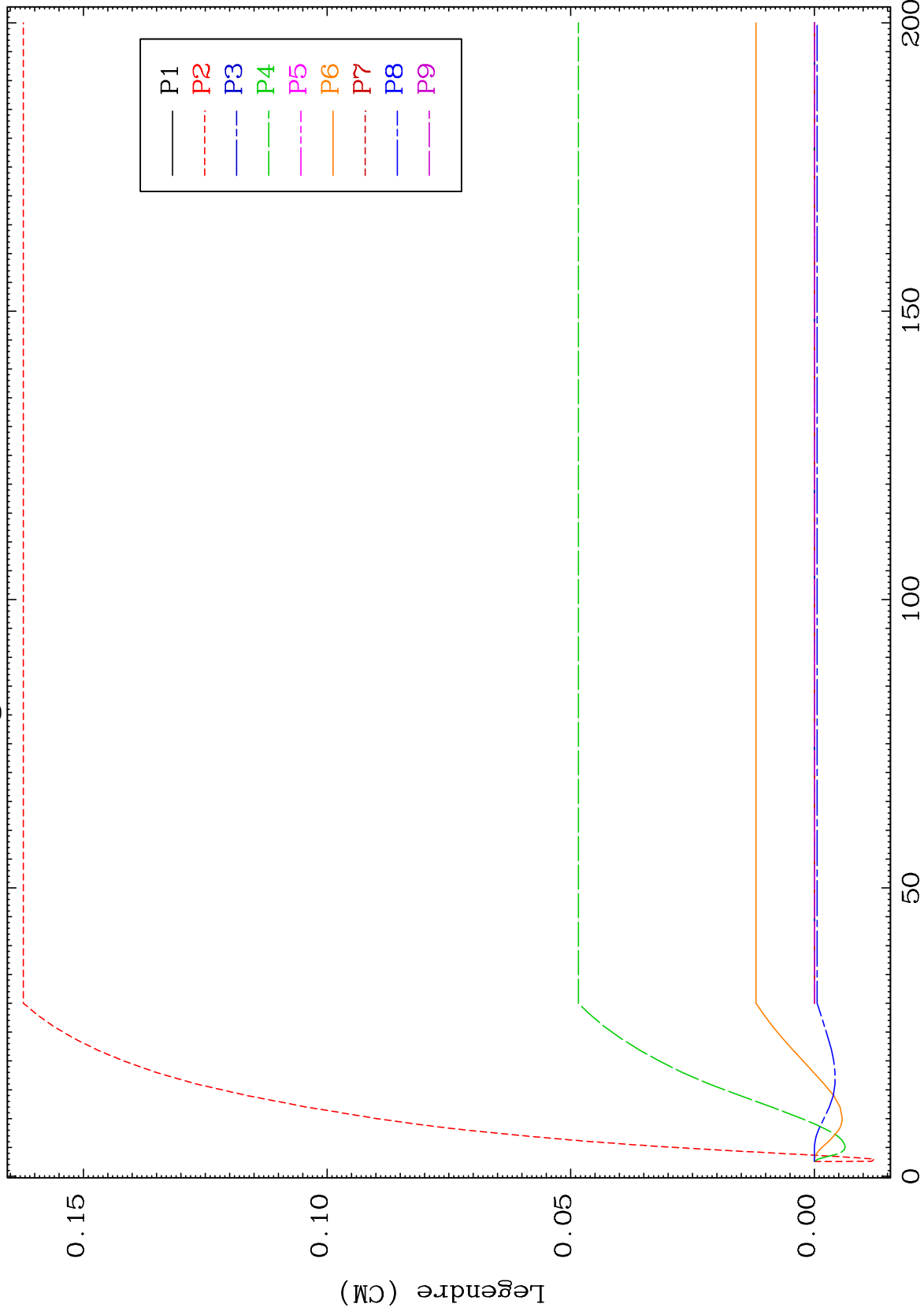
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

44-Ru-104



127

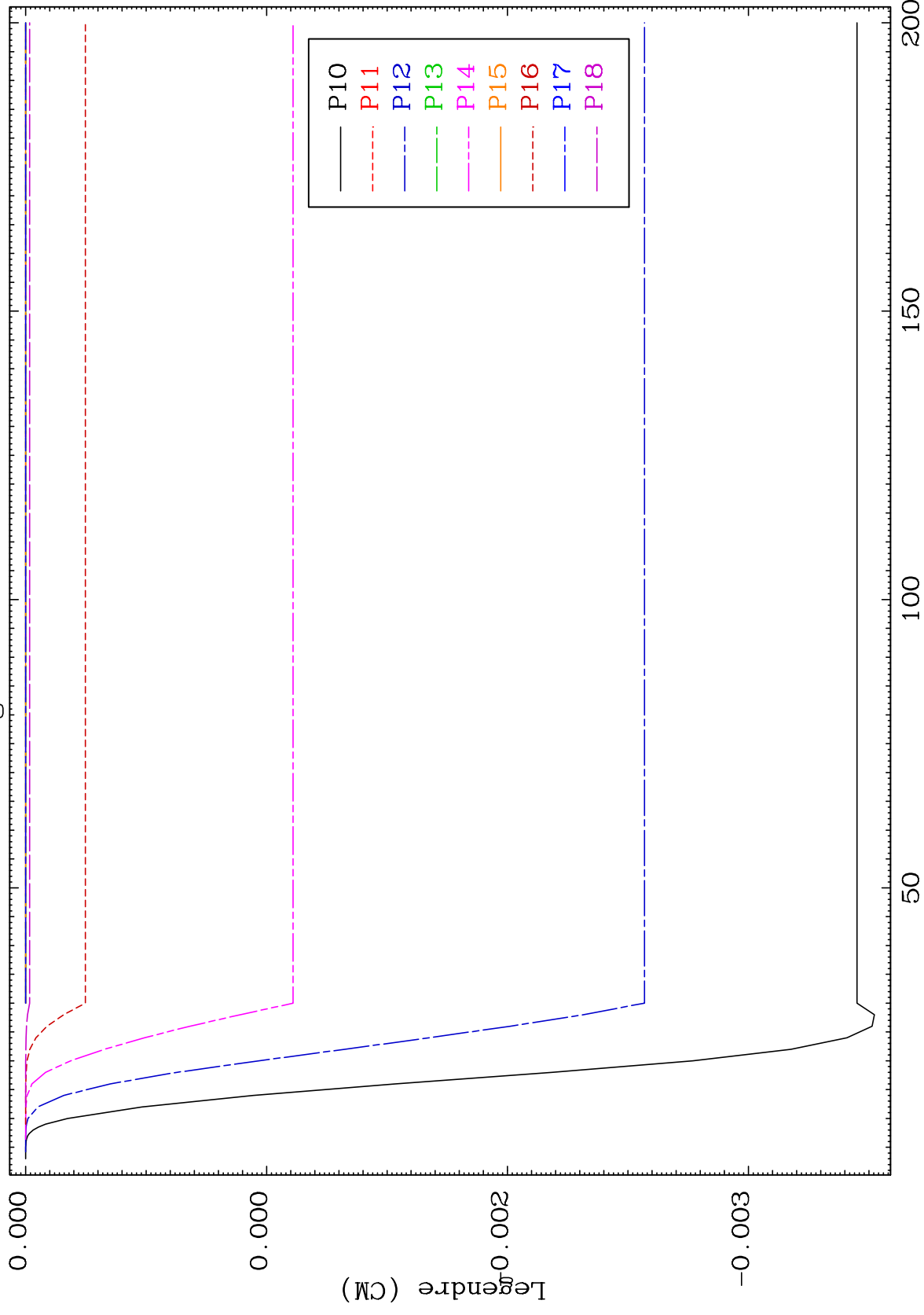
Incident Energy (MeV)

44-Ru-104

MAT 4449

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

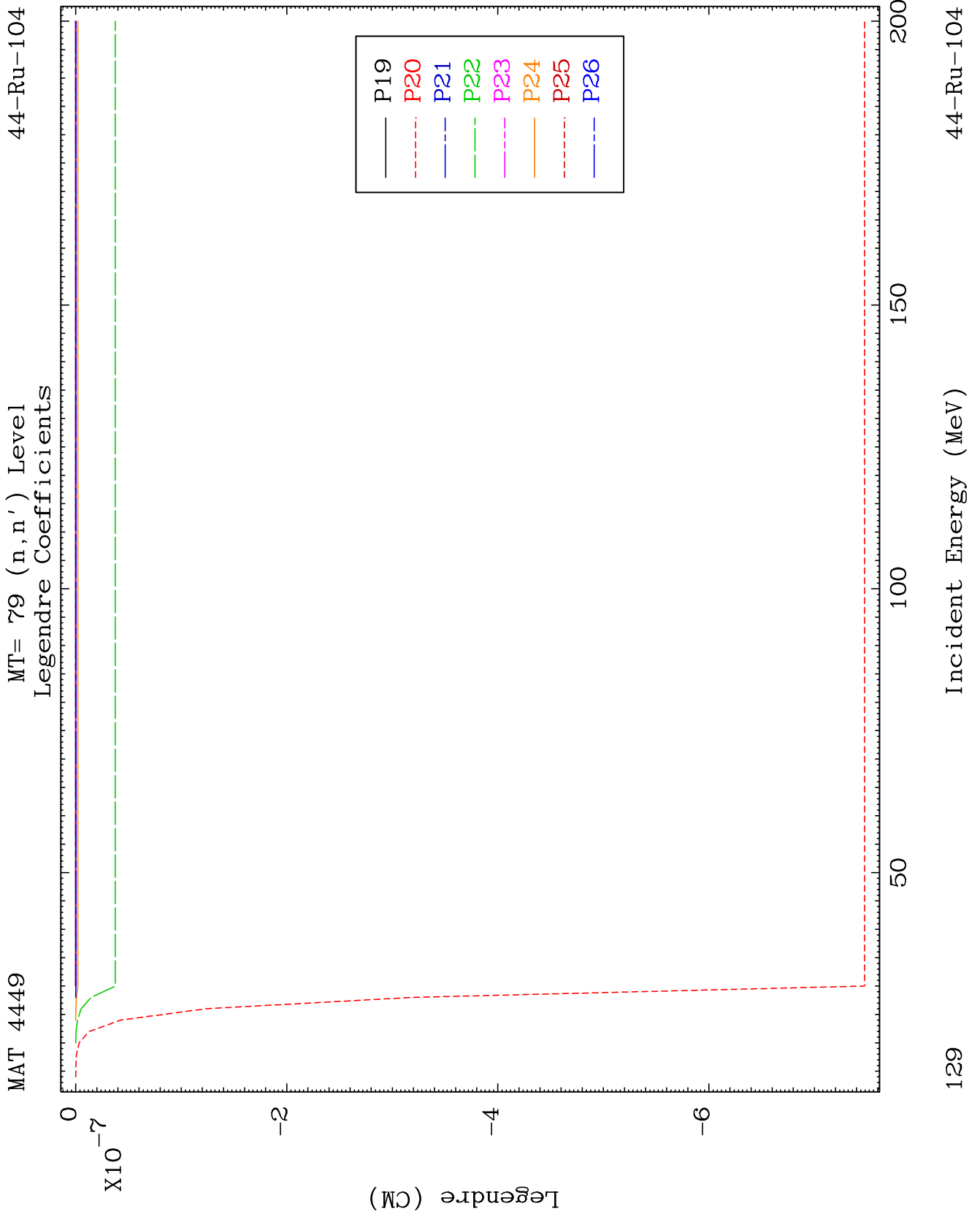
44-Ru-104

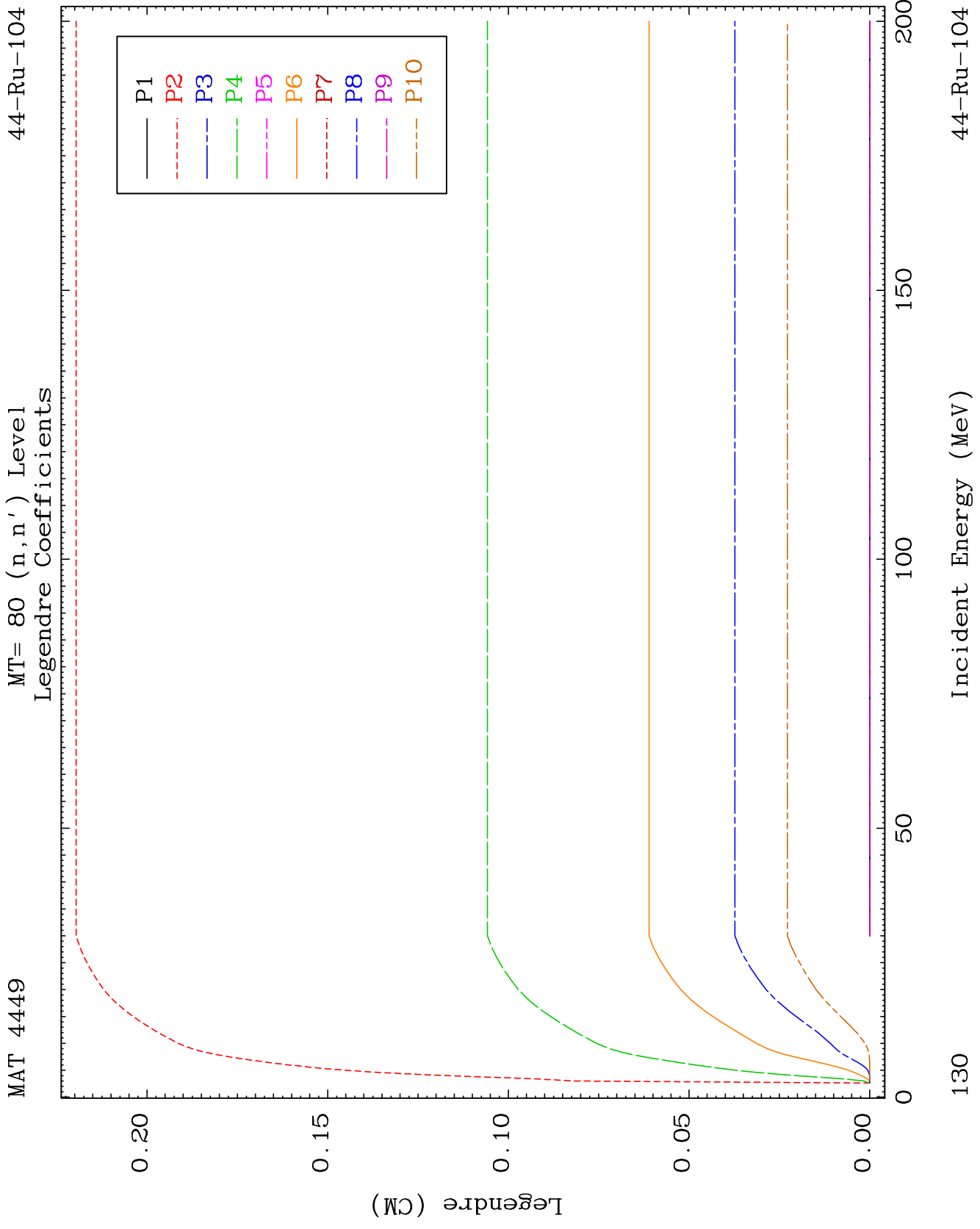


128

Incident Energy (MeV)

44-Ru-104

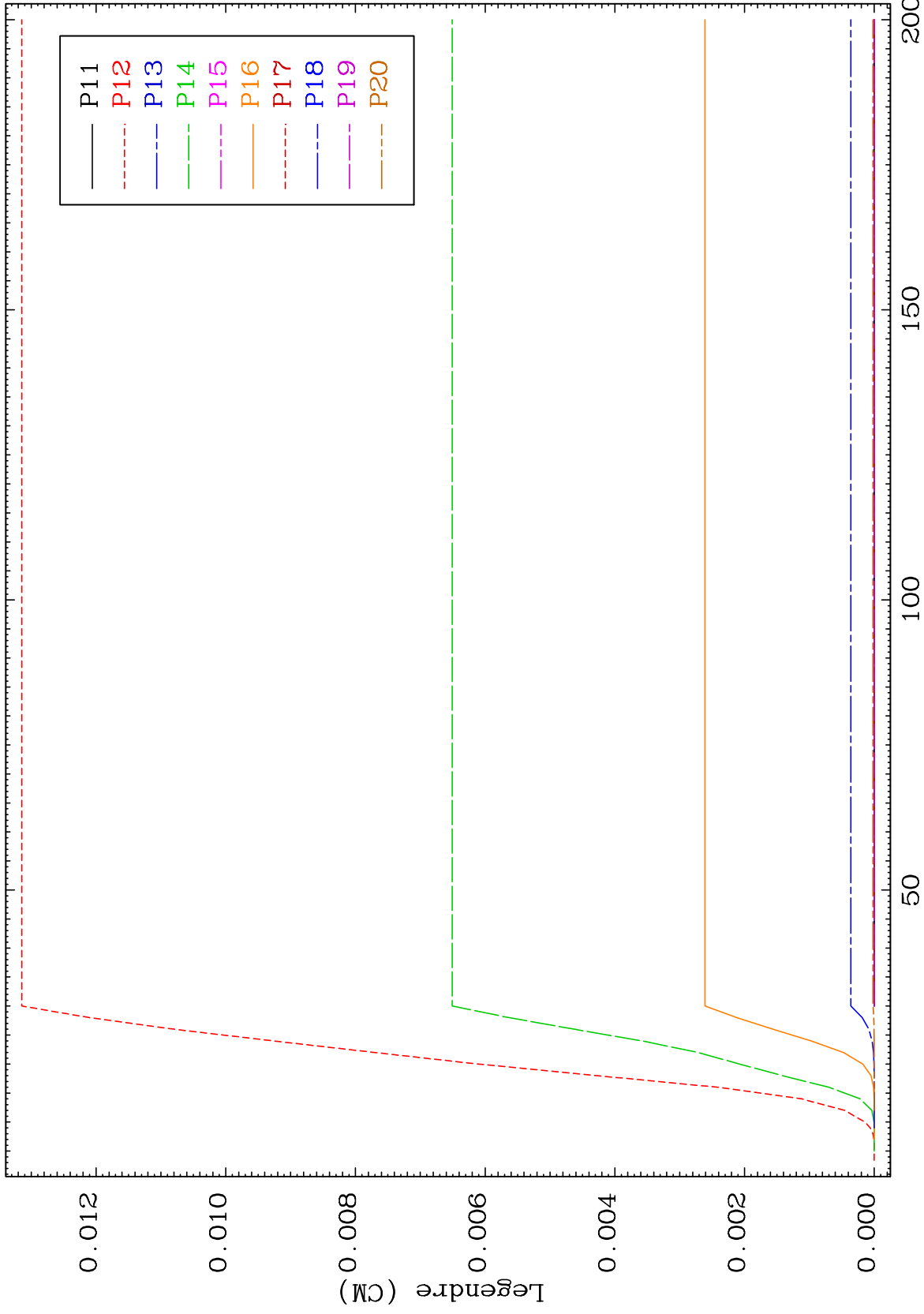




MAT 4449

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

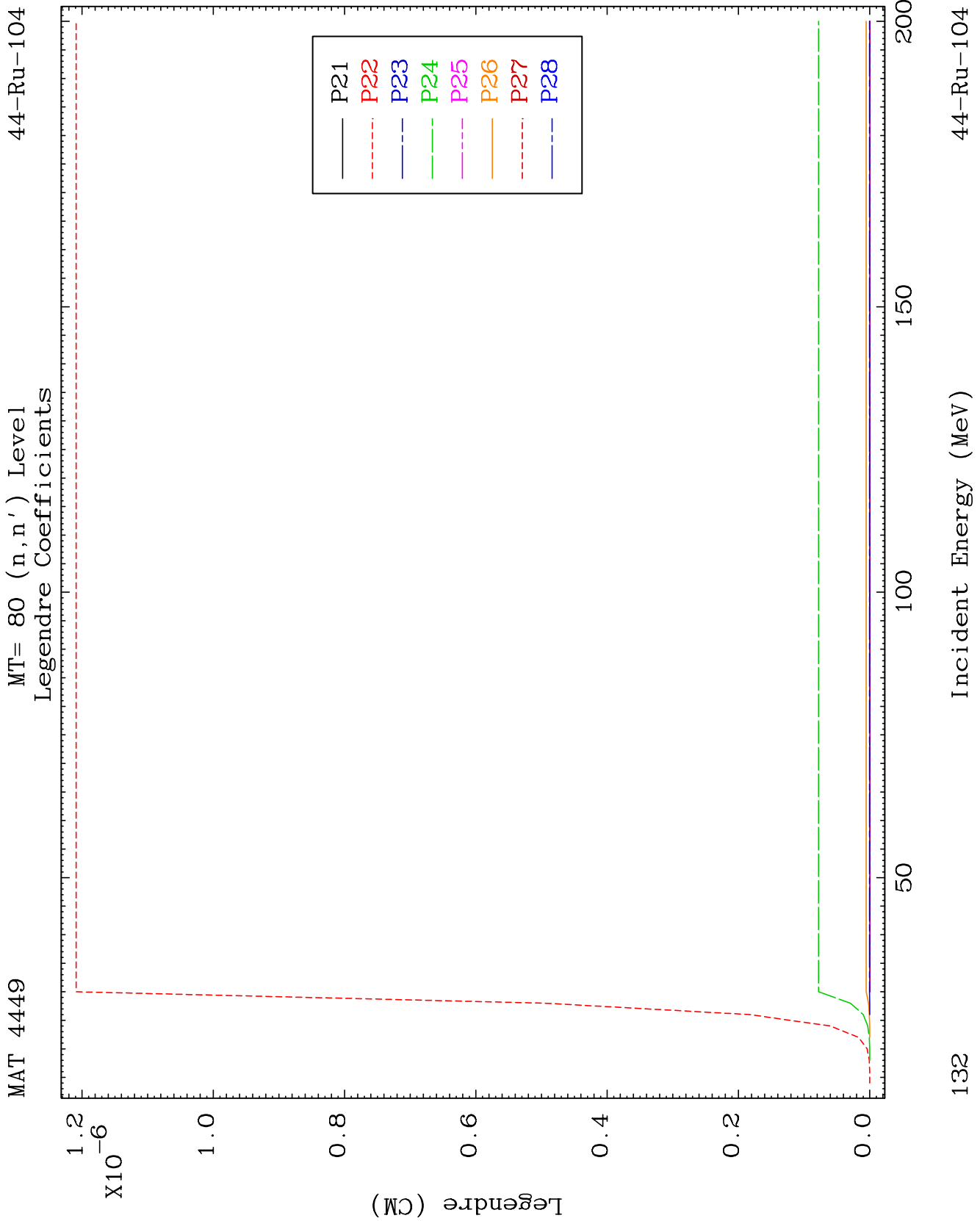
44-Ru-104



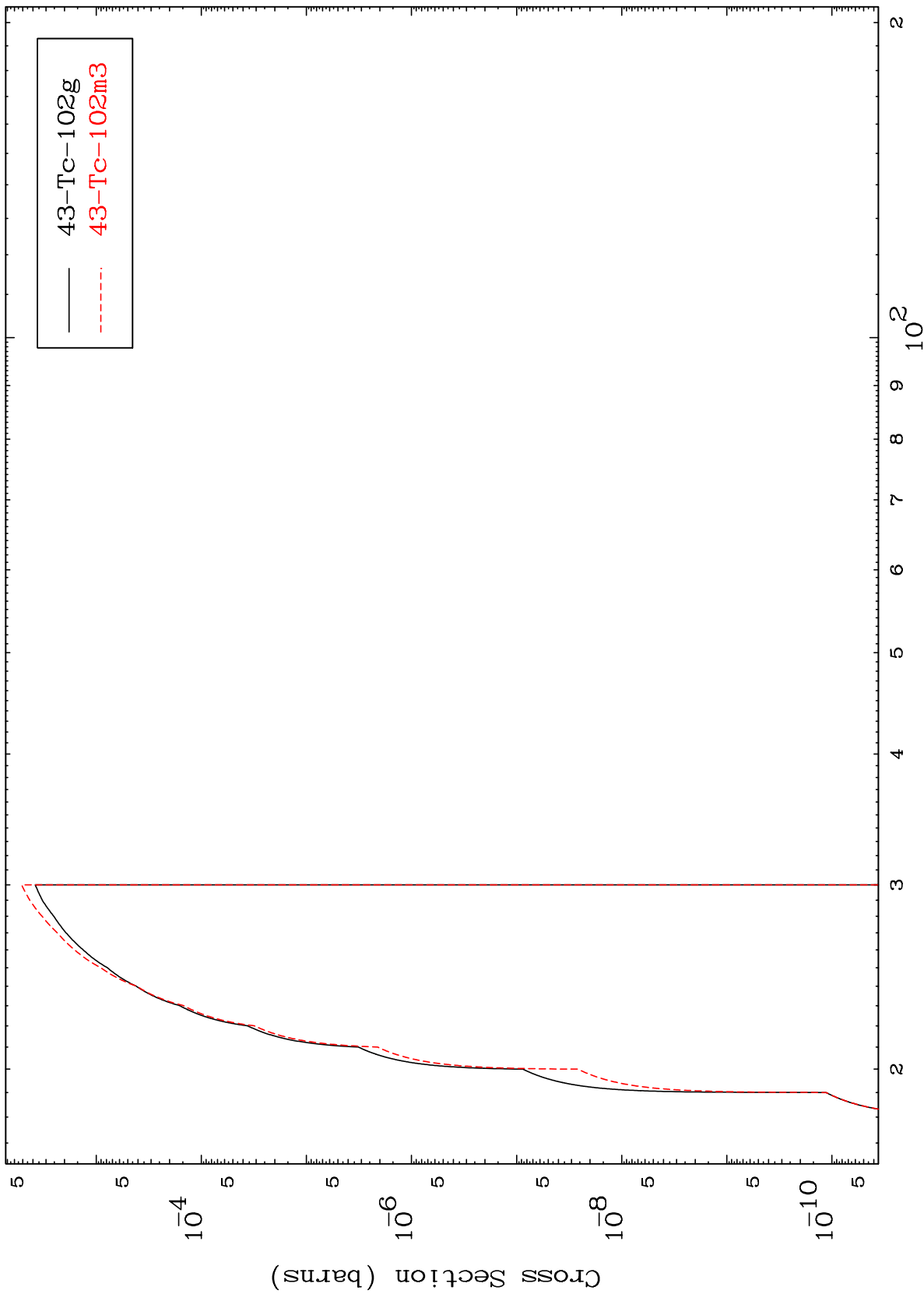
131

Incident Energy (MeV)

44-Ru-104



Radionuclide Production Cross Section

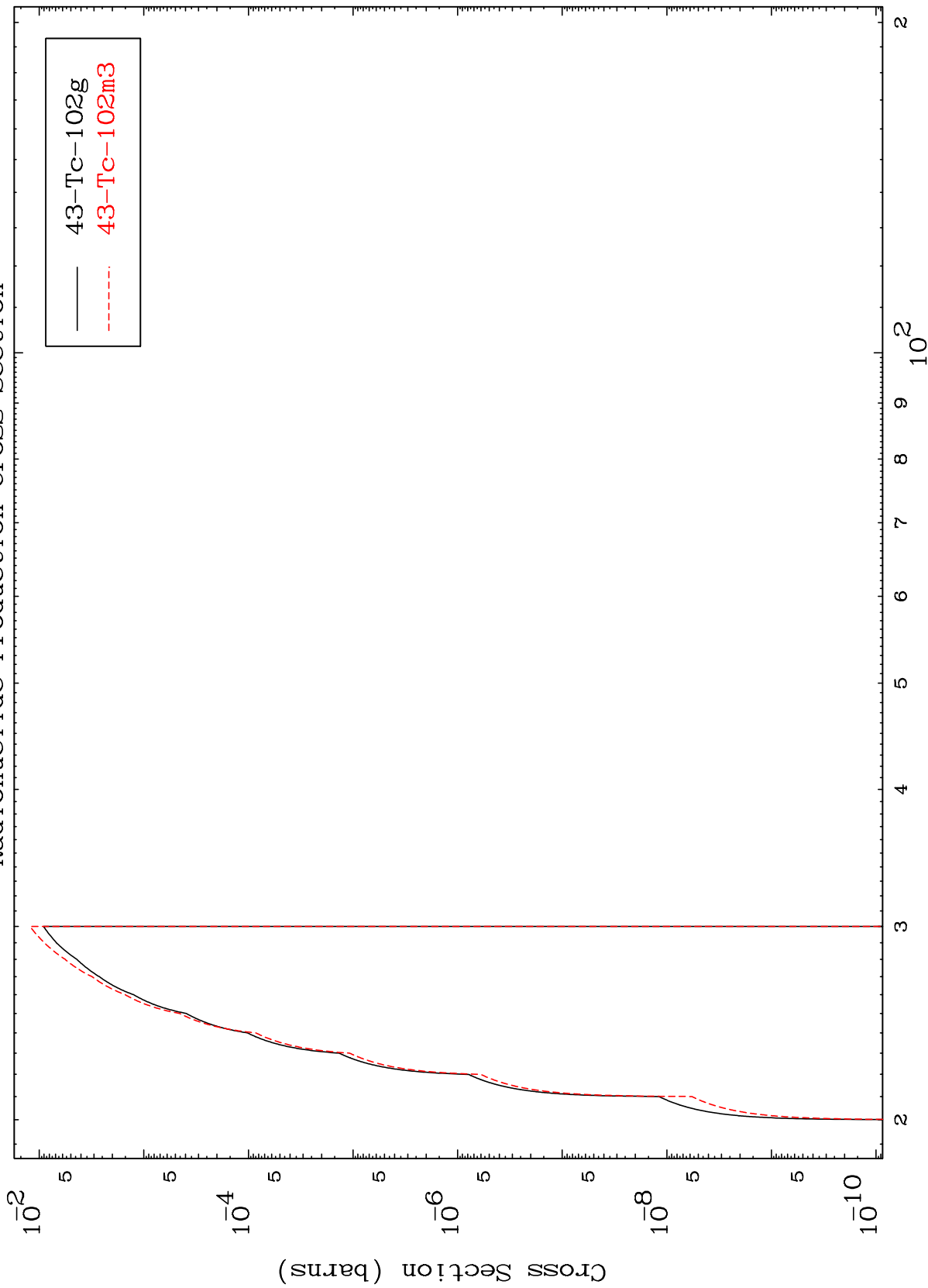


MAT 4449

(n,2n) p

44-Ru-104

Radionuclide Production Cross Section



134

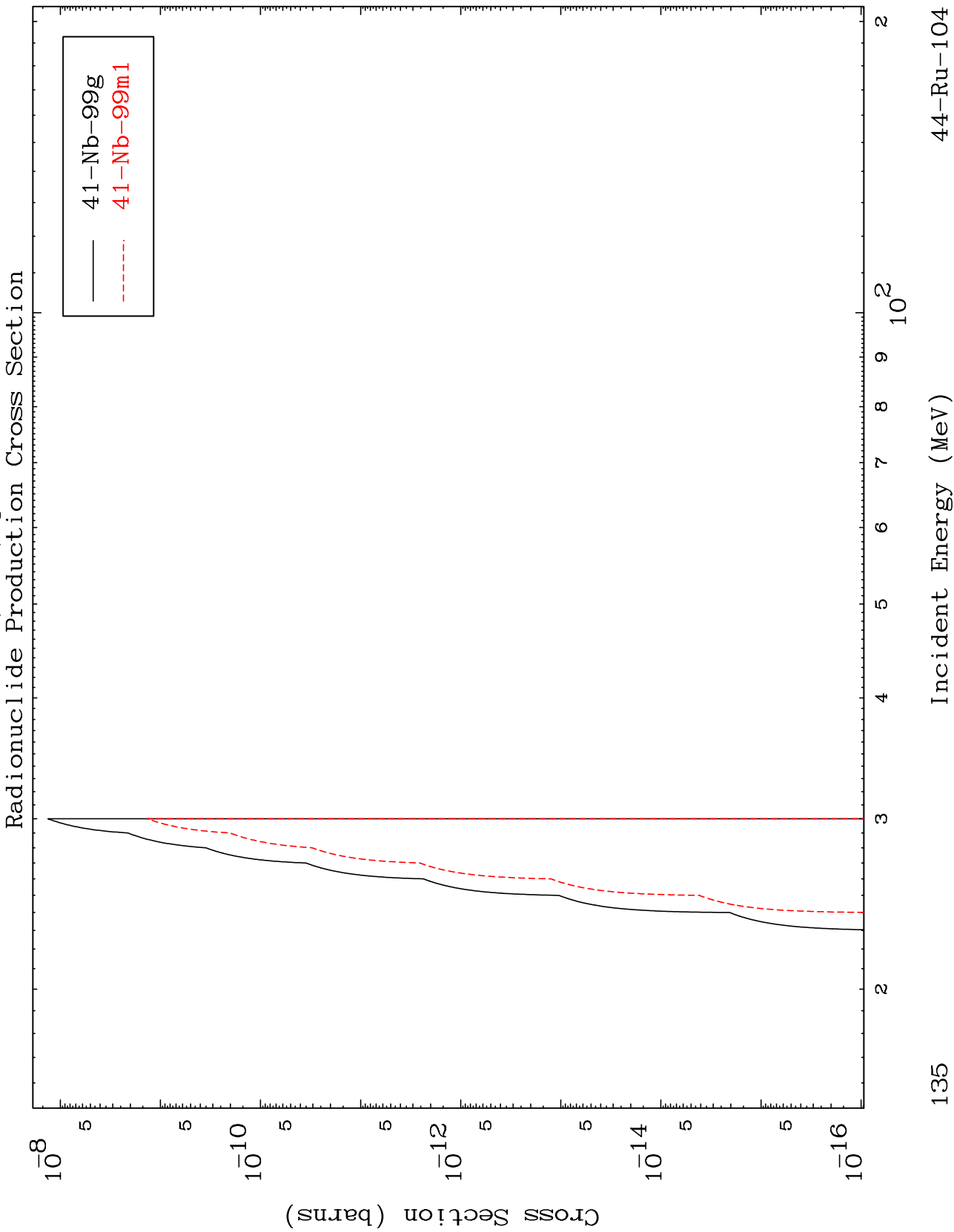
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,n') p α

44-Ru-104

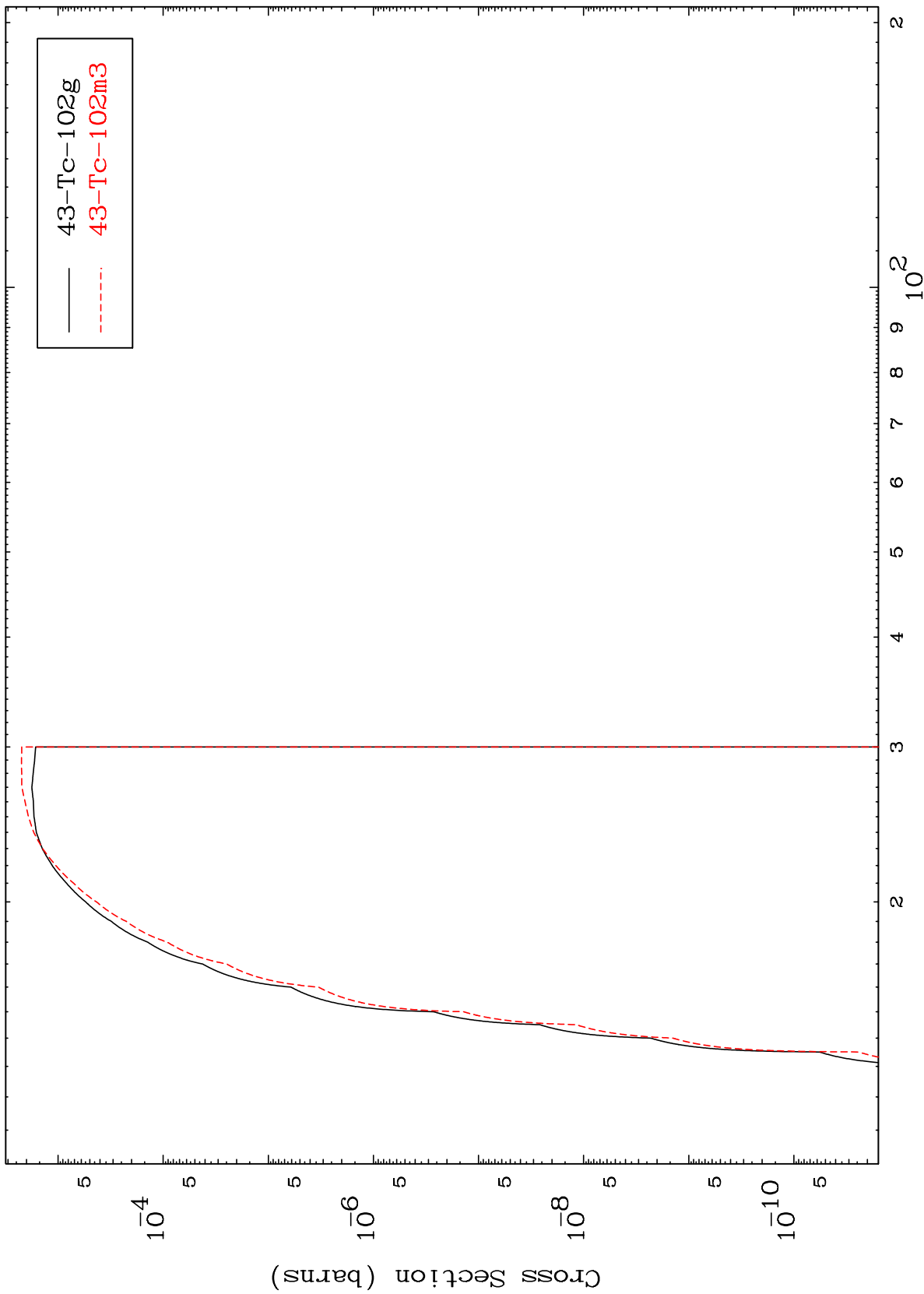


135

Incident Energy (MeV)

44-Ru-104

(n, t)
Radionuclide Production Cross Section

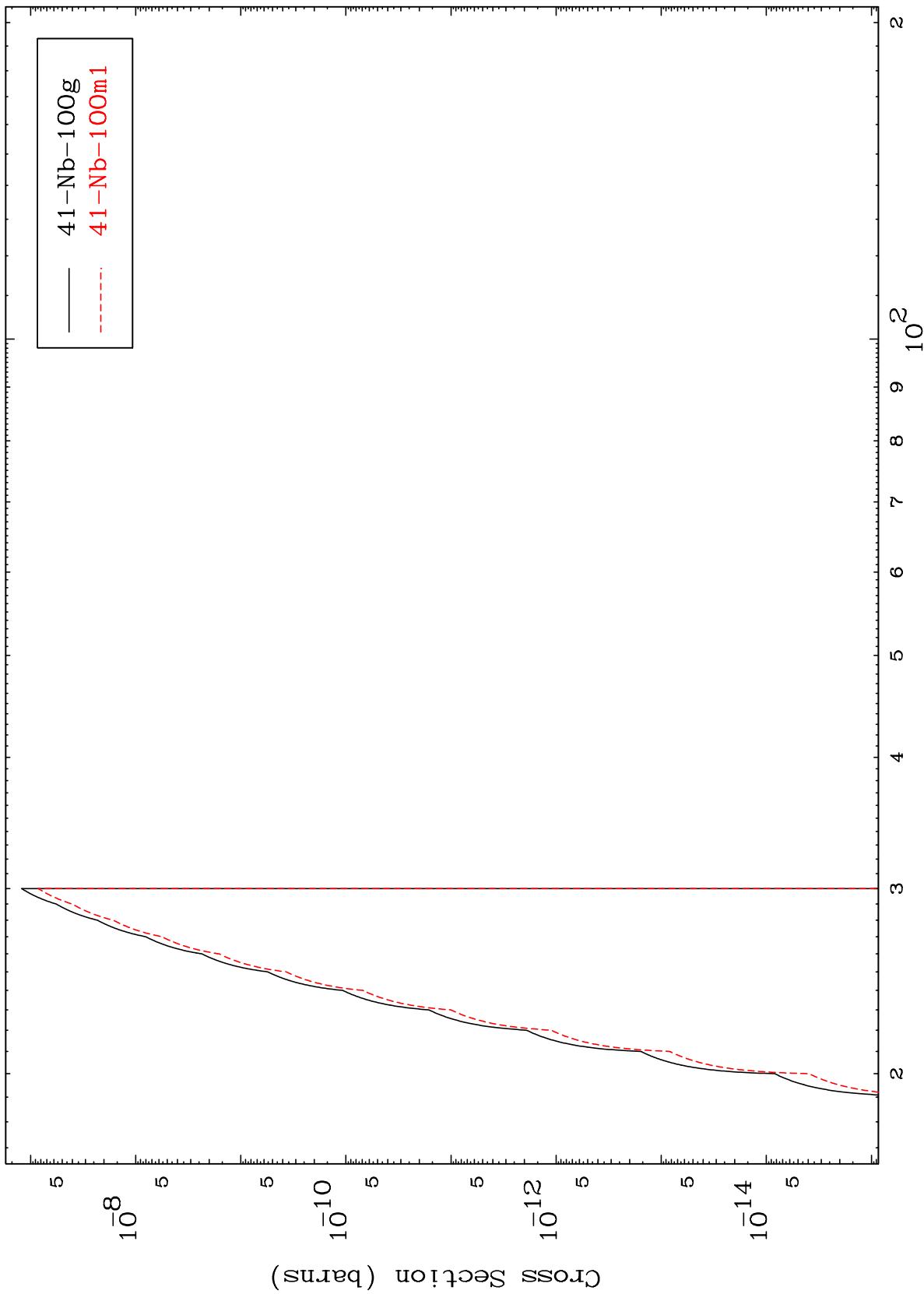


MAT 4449

(n,p) α

44-Ru-104

Radionuclide Production Cross Section



137

Incident Energy (MeV)

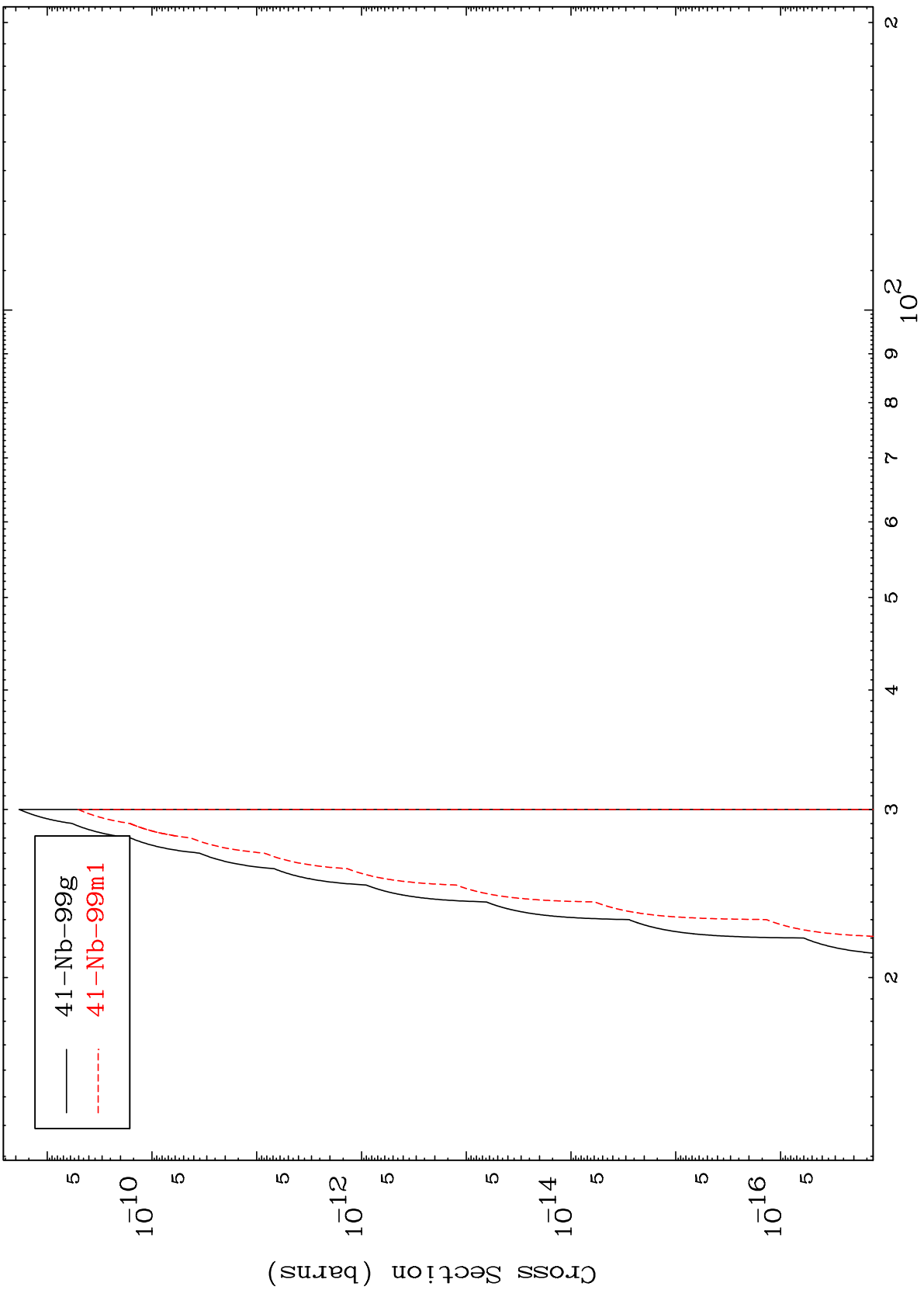
44-Ru-104

MAT 4449

(n,d) α

44-Ru-104

Radionuclide Production Cross Section



138

Incident Energy (MeV)

44-Ru-104