

Program EVALPLOT
(Version 2018-1)

by

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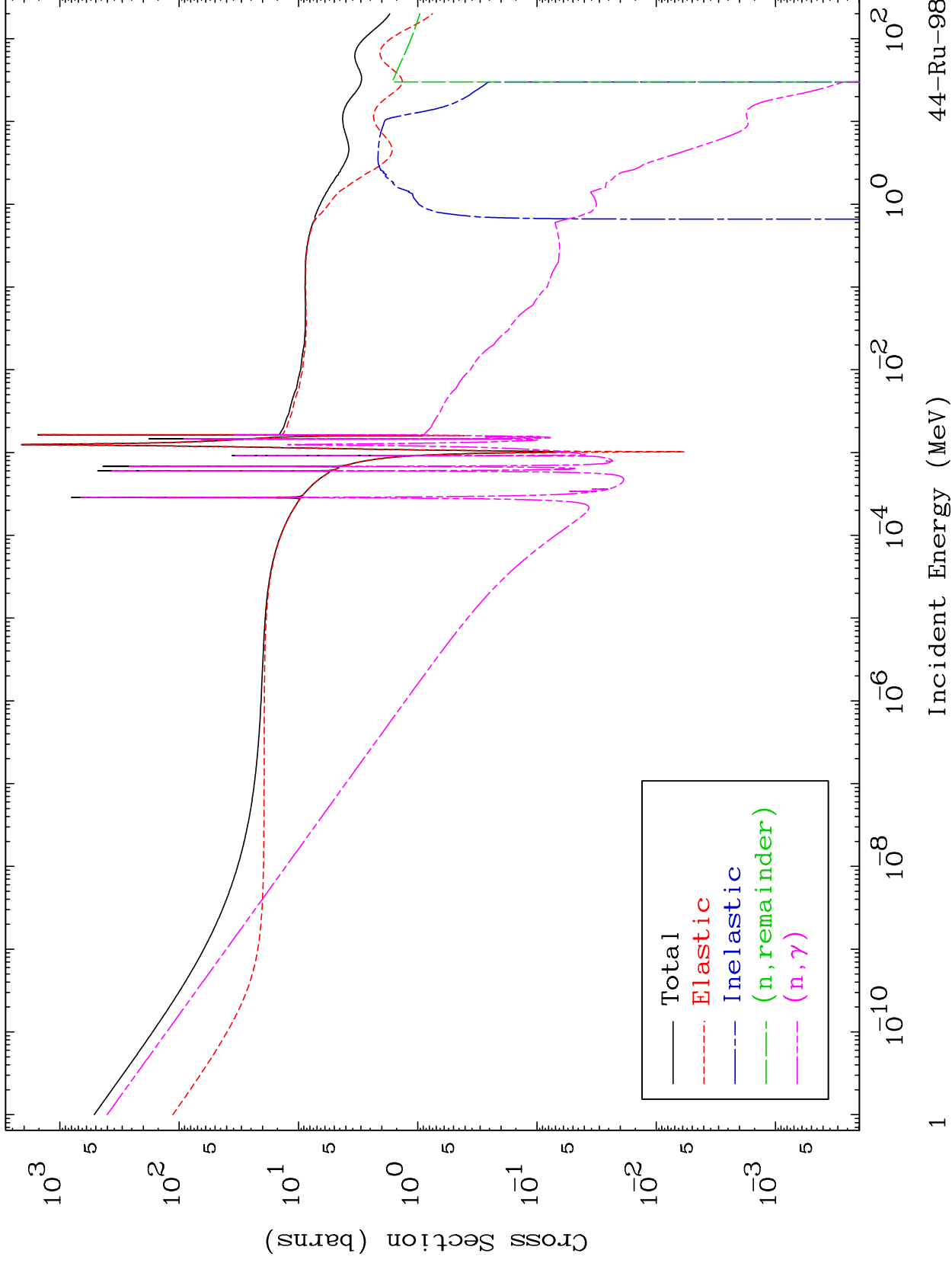
Press Mouse Button to Start

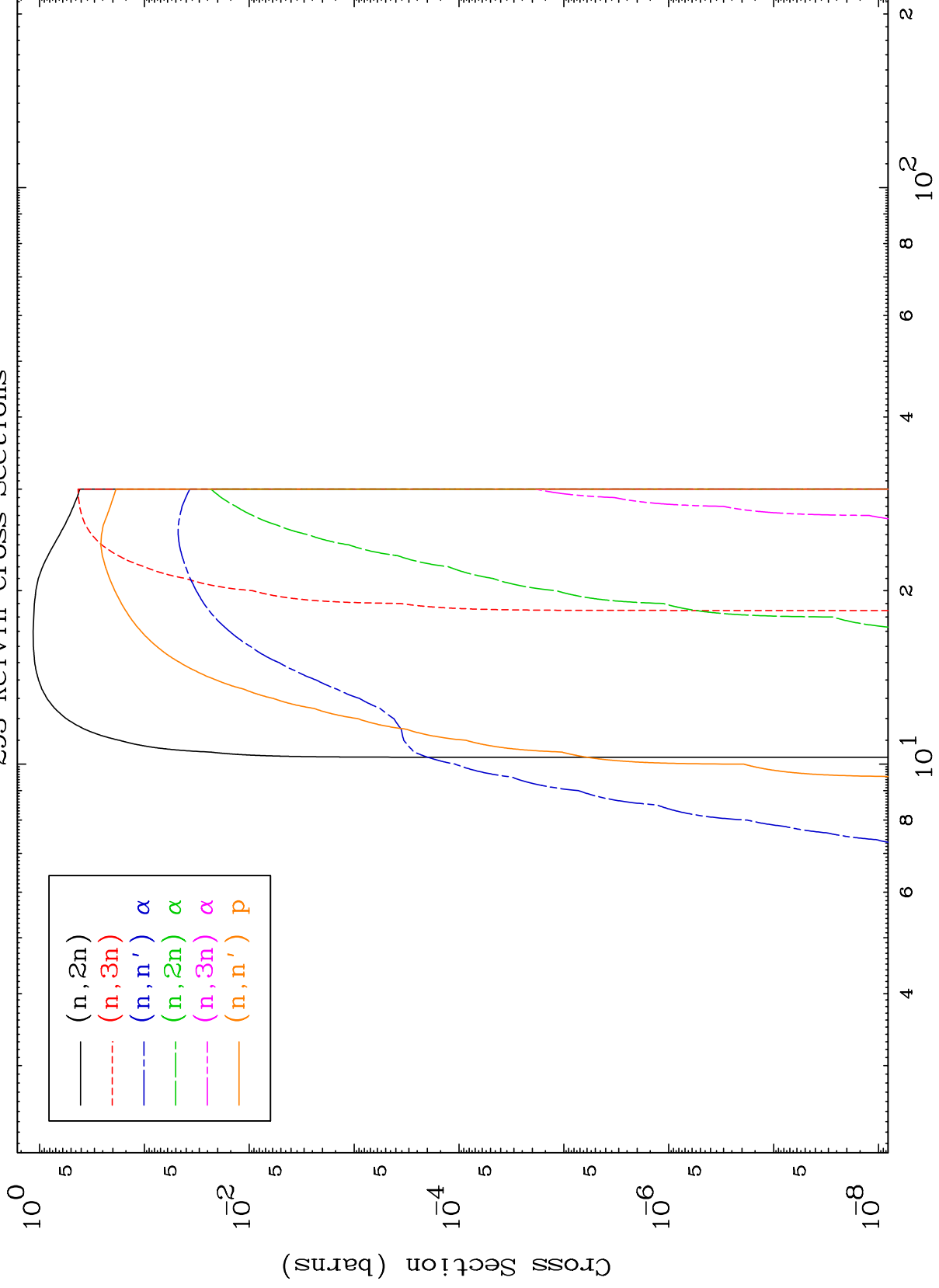
MAT 4431

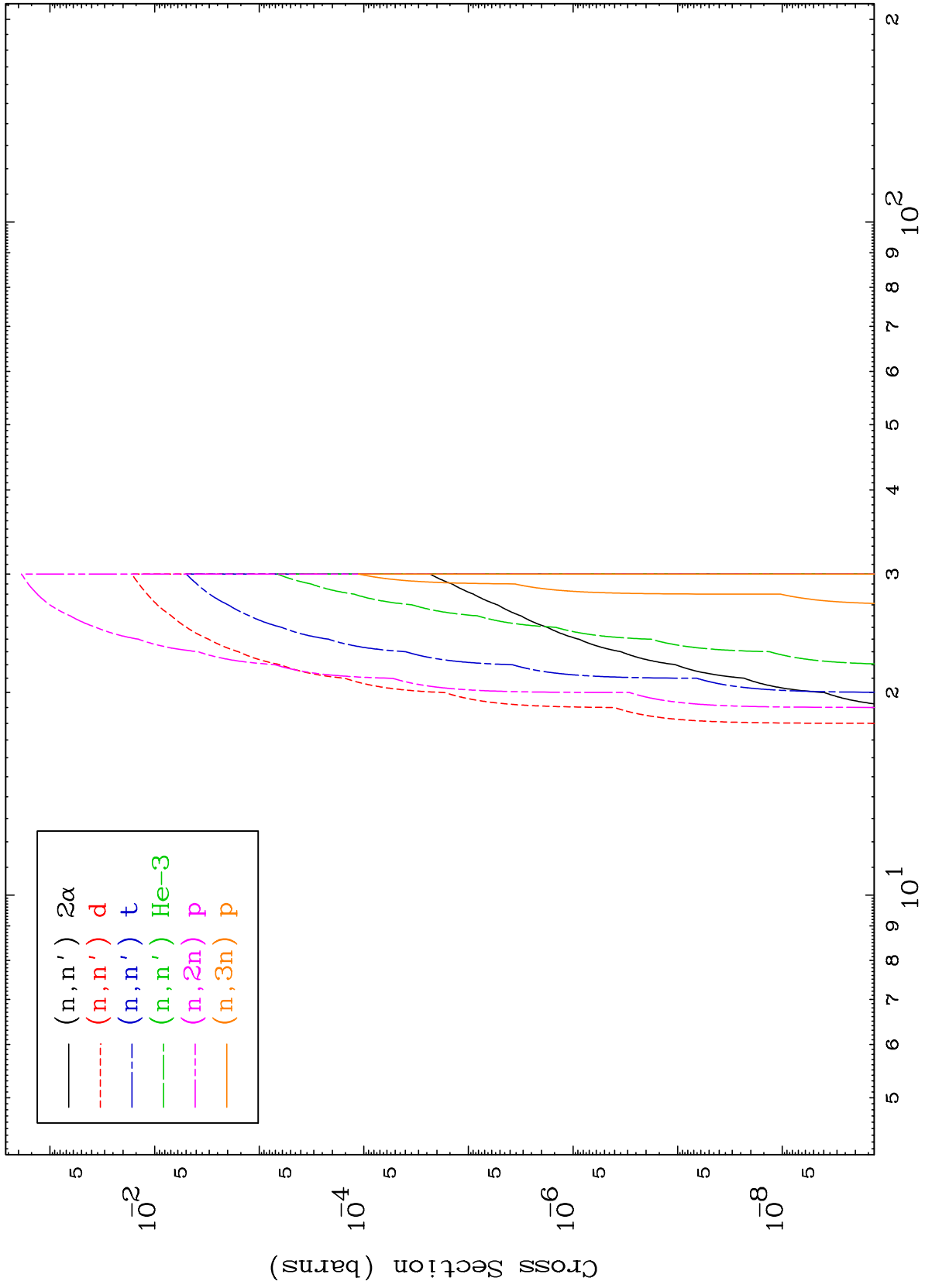
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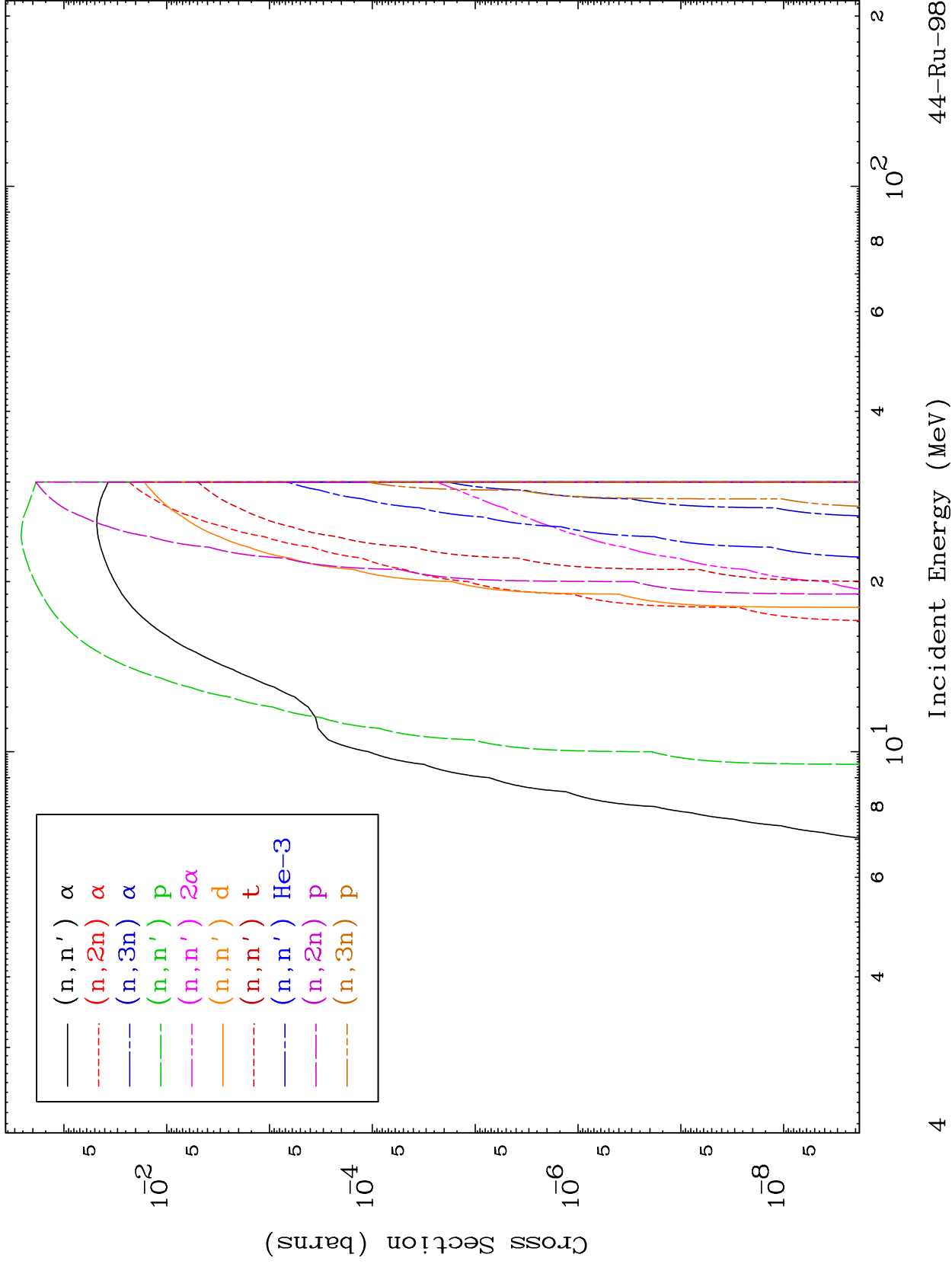
293 Kelvin Cross Sections

44-Ru-98





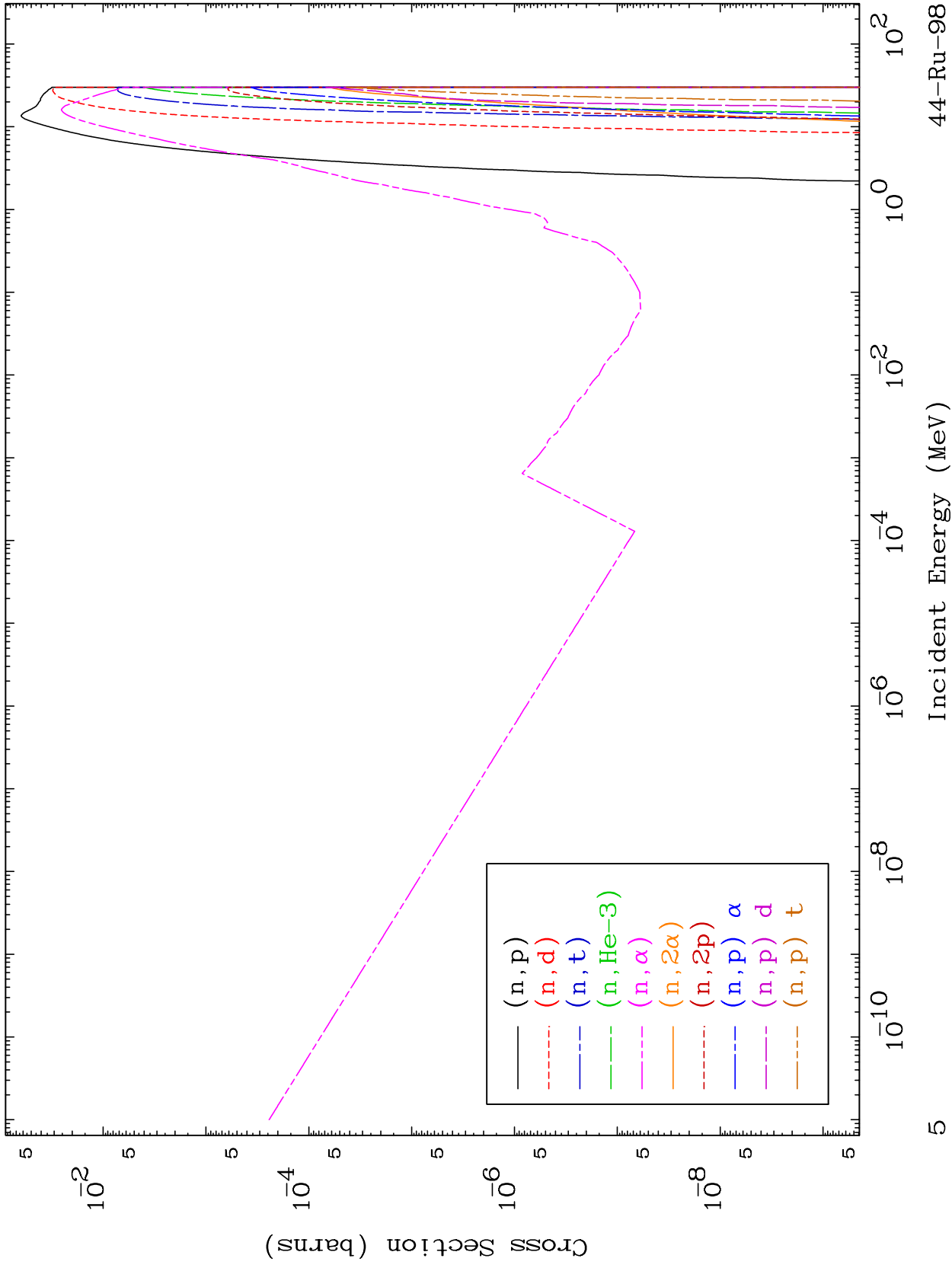




MAT 4431

Charged Particle
293 Kelvin Cross Sections

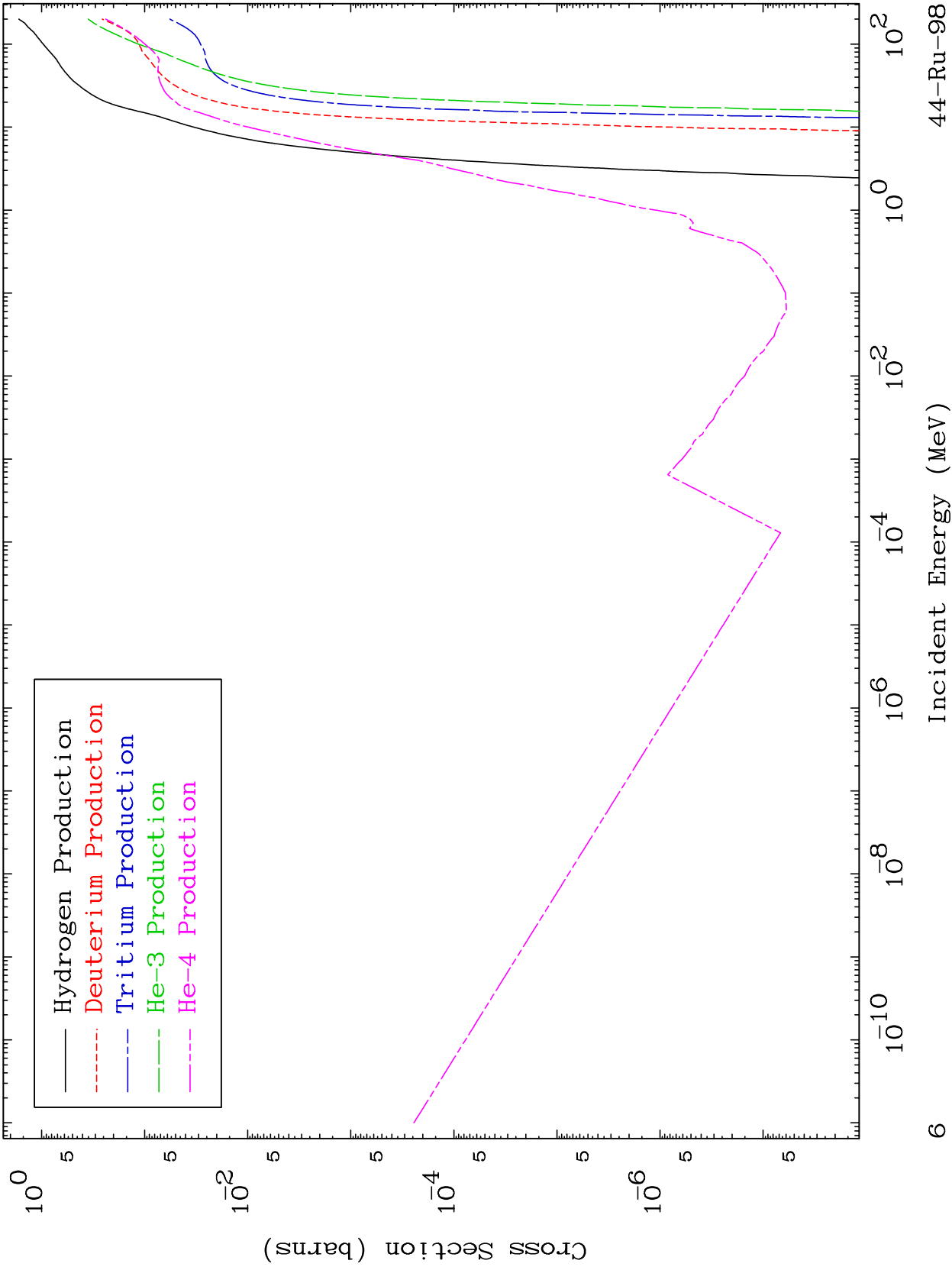
44-Ru-98



MAT 4431

Particle Production
293 Kelvin Cross Sections

44-Ru-98

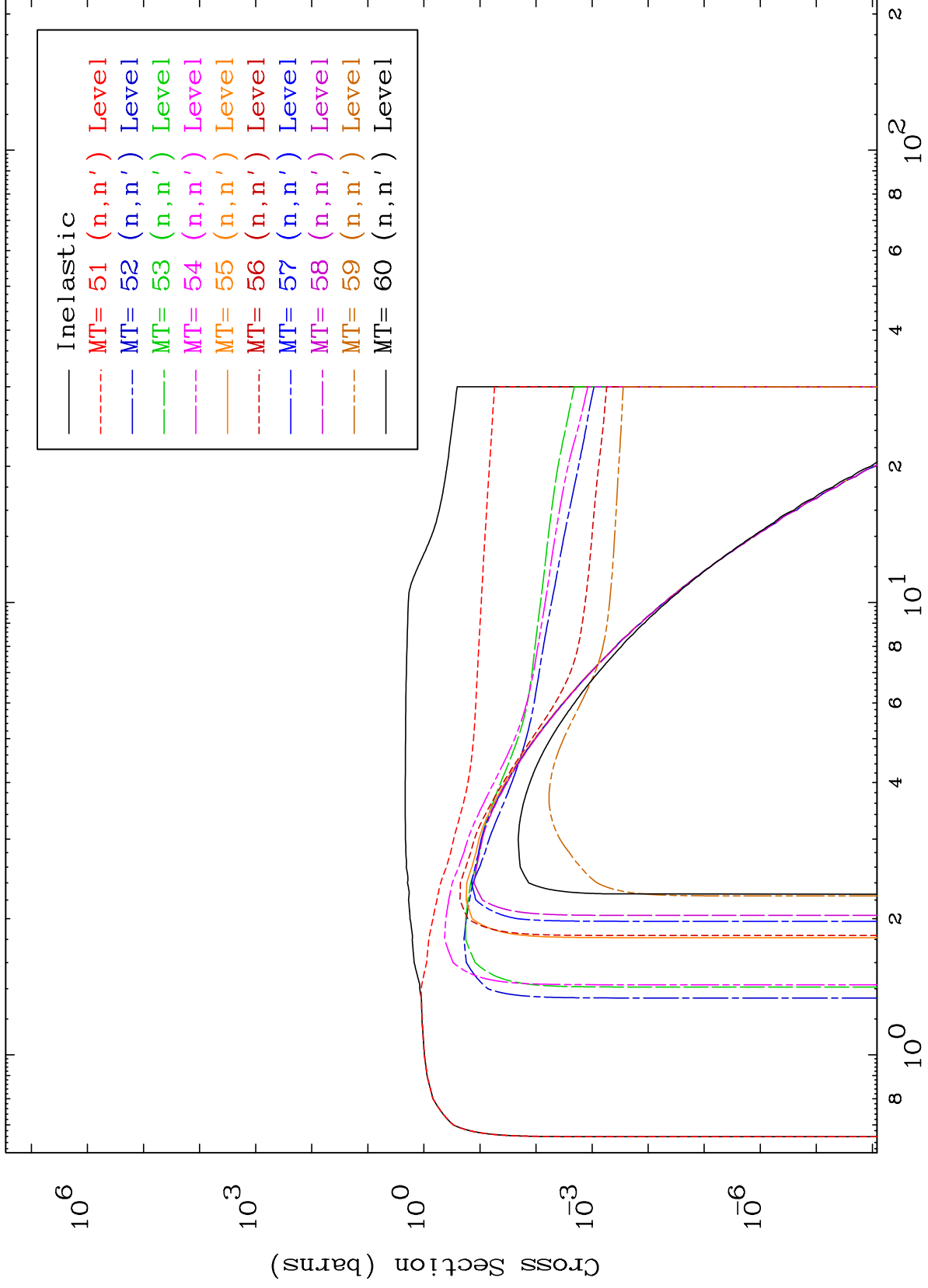


MAT 4431

(n,n') Level

44-Ru-98

293 Kelvin Cross Sections



7

Incident Energy (MeV)

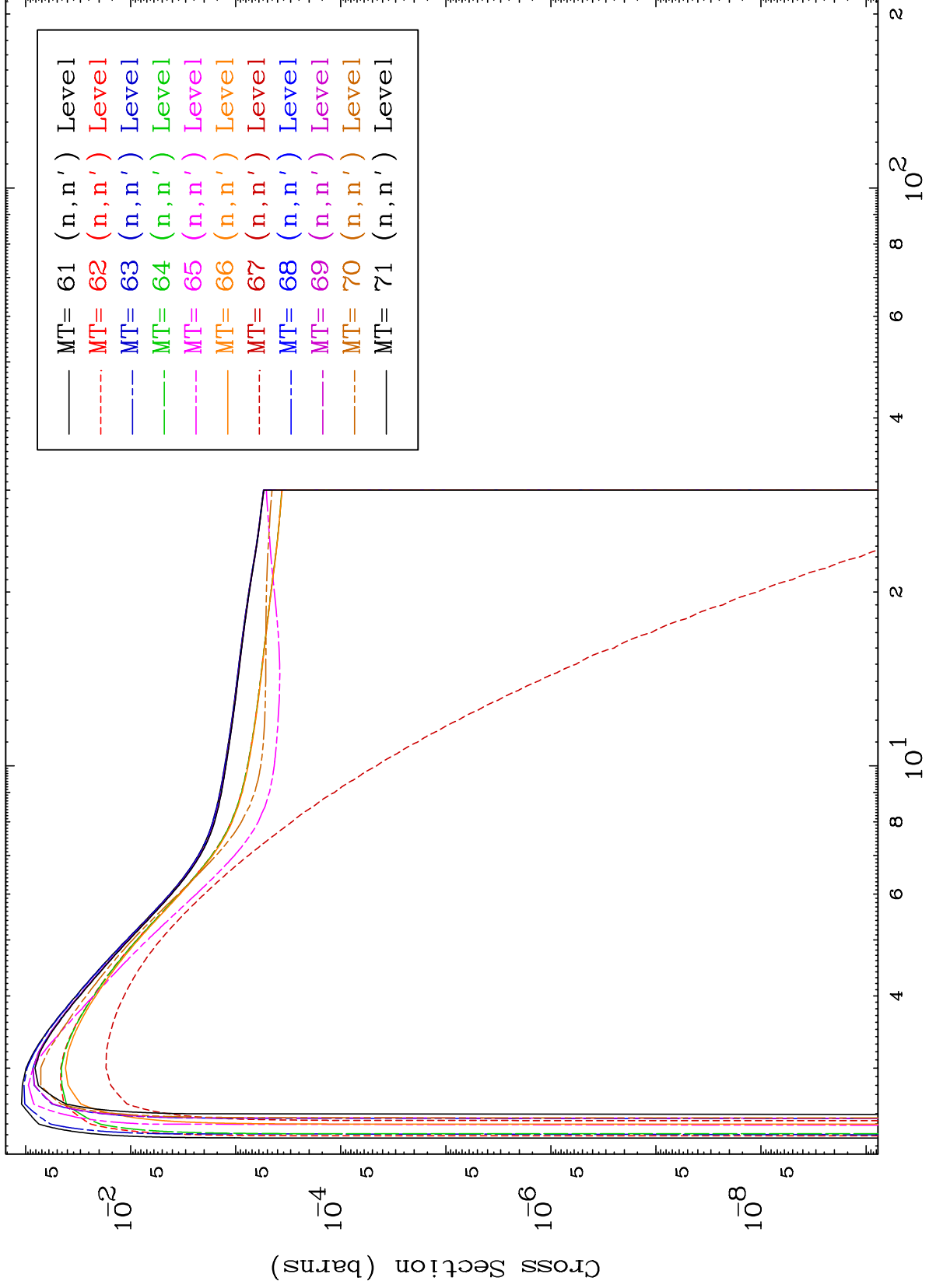
44-Ru-98

MAT 4431

(n,n') Level

44-Ru-98

293 Kelvin Cross Sections

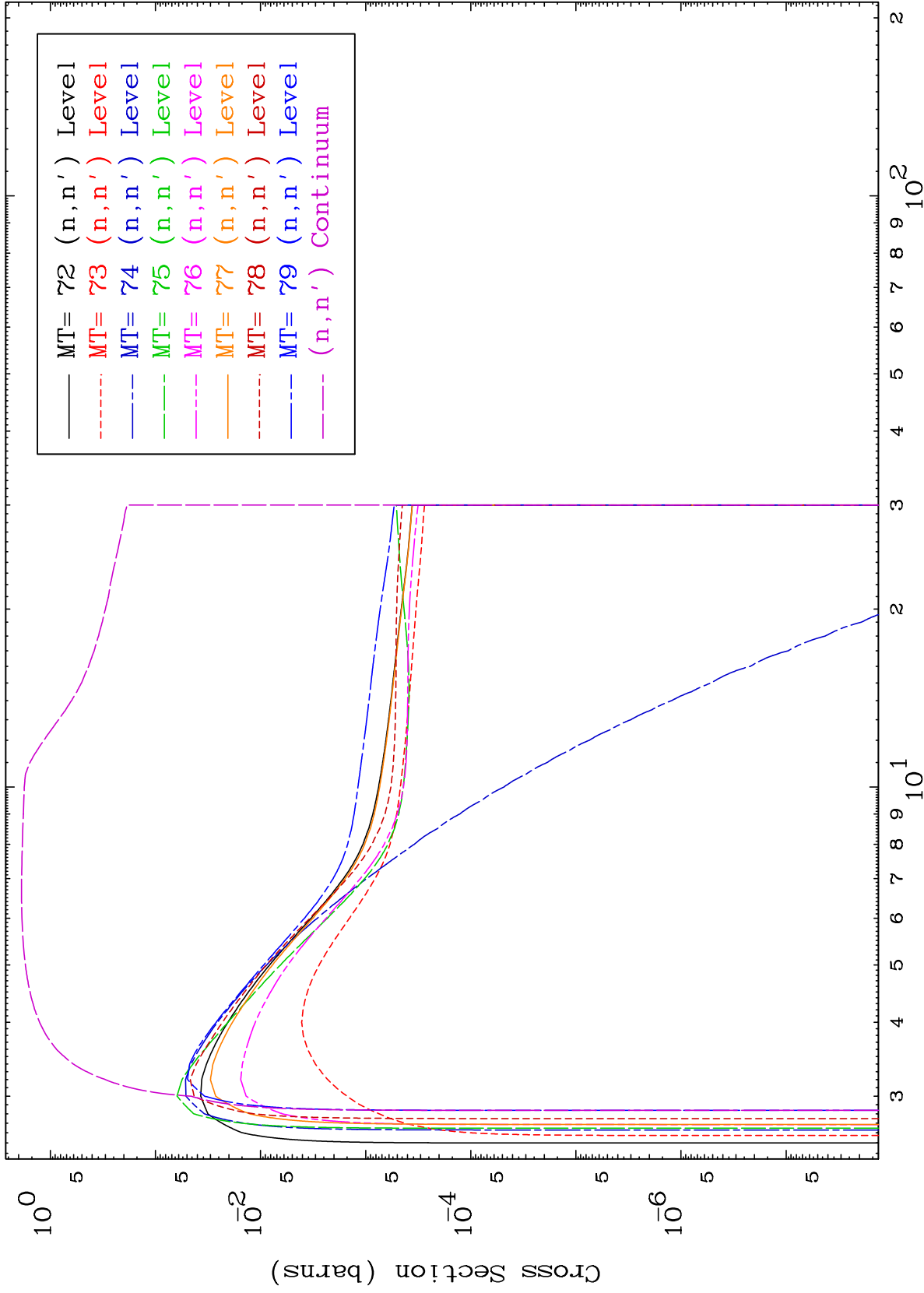


8

Incident Energy (MeV)

44-Ru-98

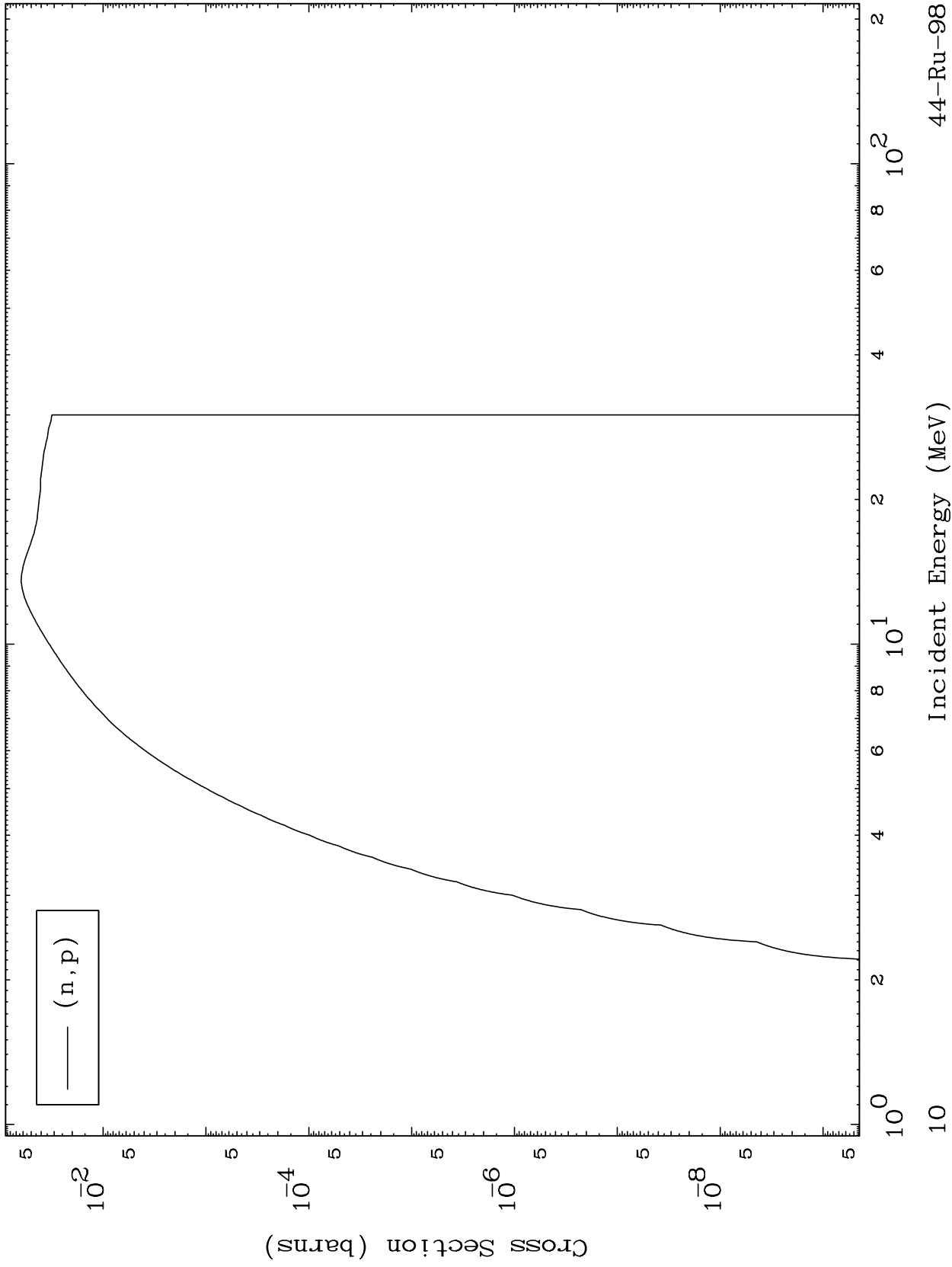
293 Kelvin Cross Sections



MAT 4431

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-98

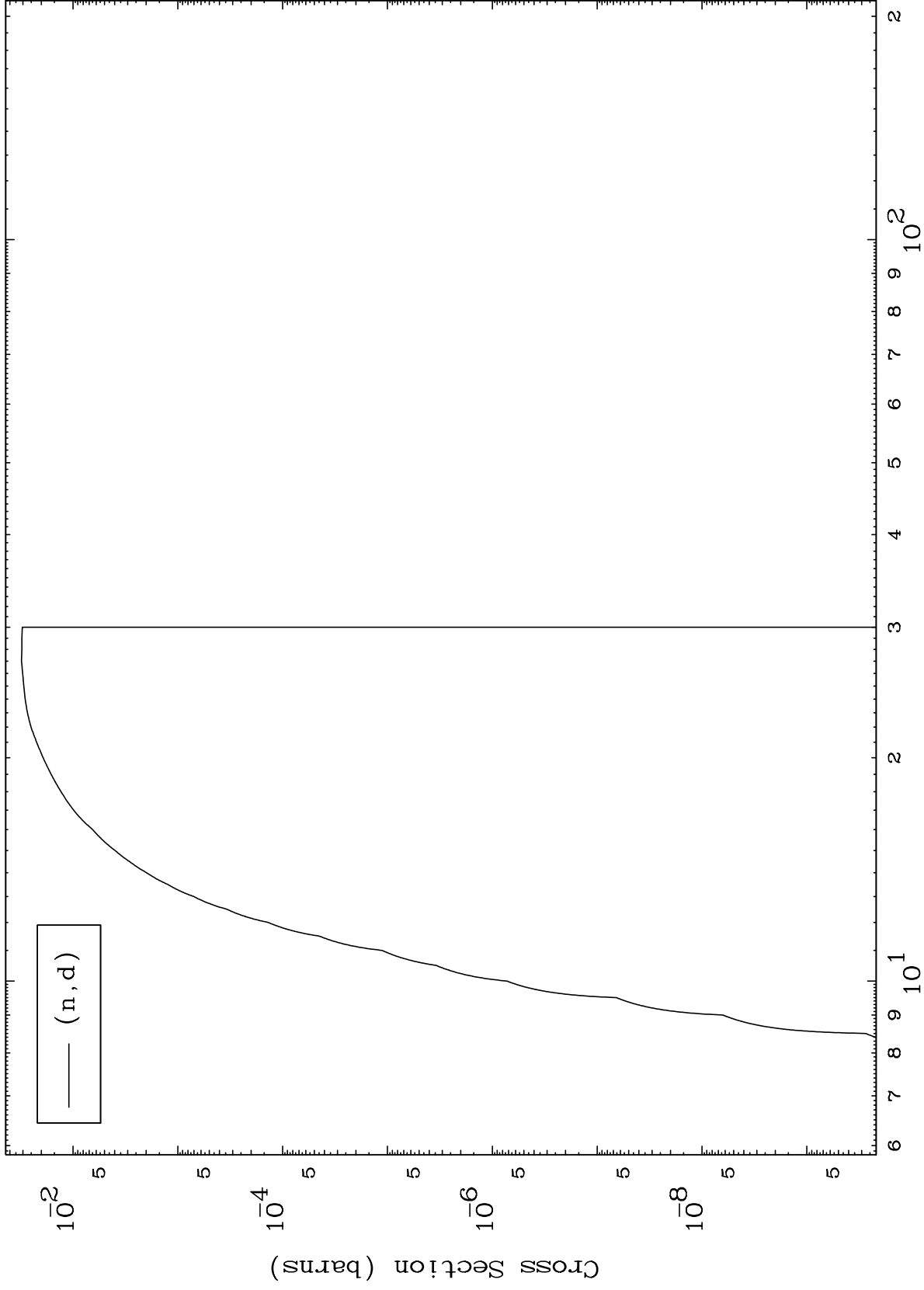


44-Ru-98

MAT 4431

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-98



11

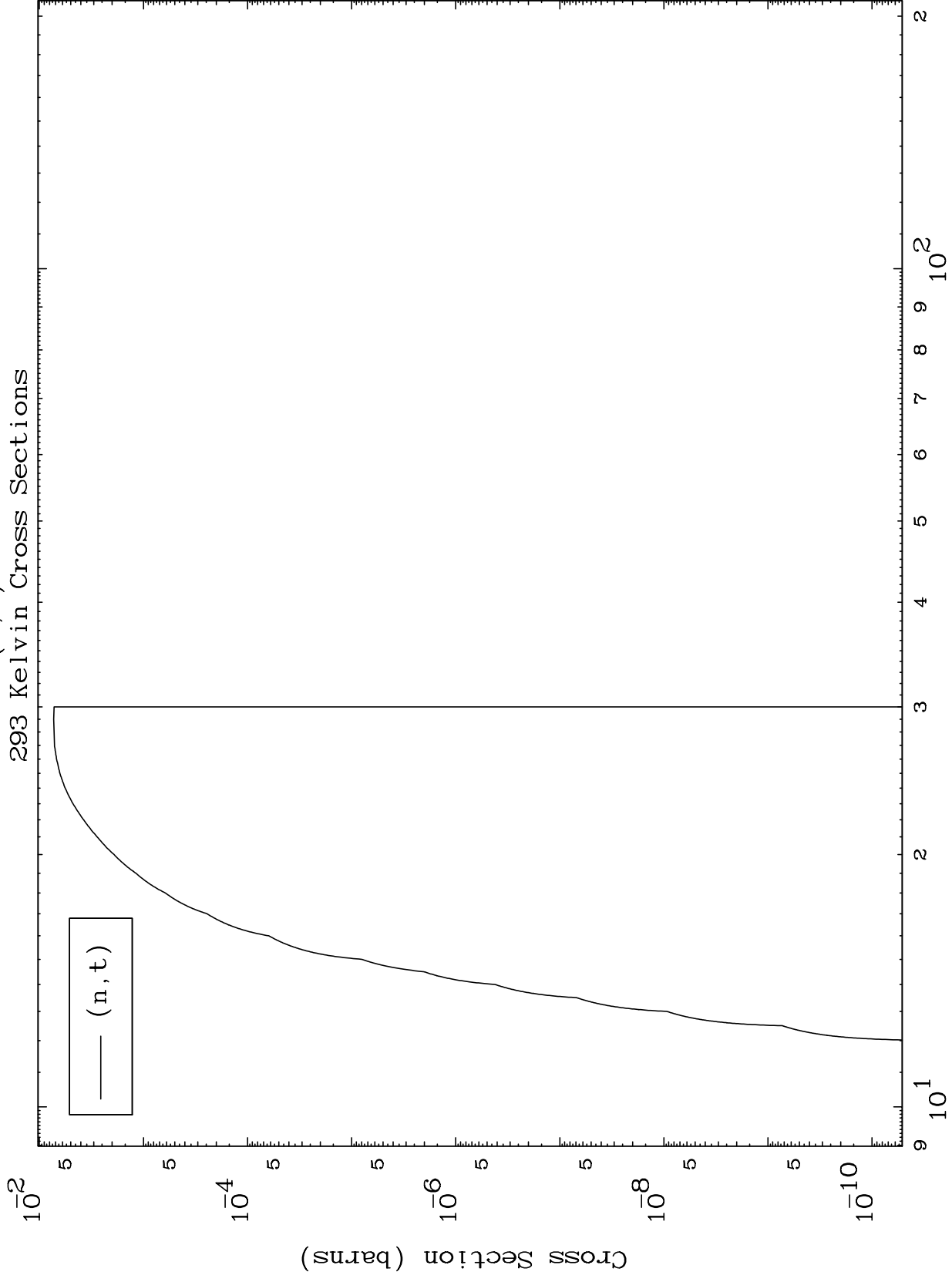
Incident Energy (MeV)

44-Ru-98

MAT 4431

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-98



12

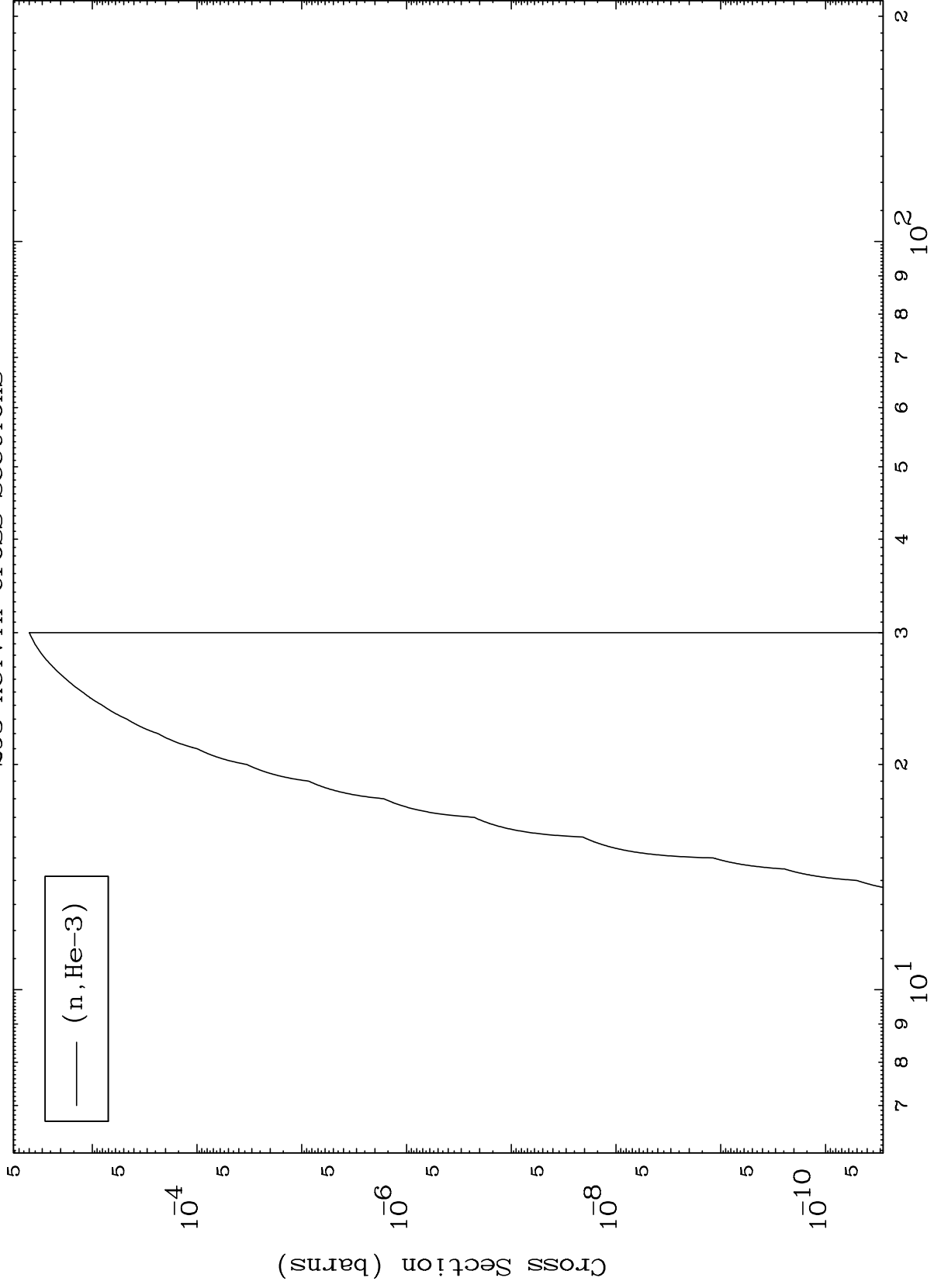
Incident Energy (MeV)

44-Ru-98

MAT 4431

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-98



13

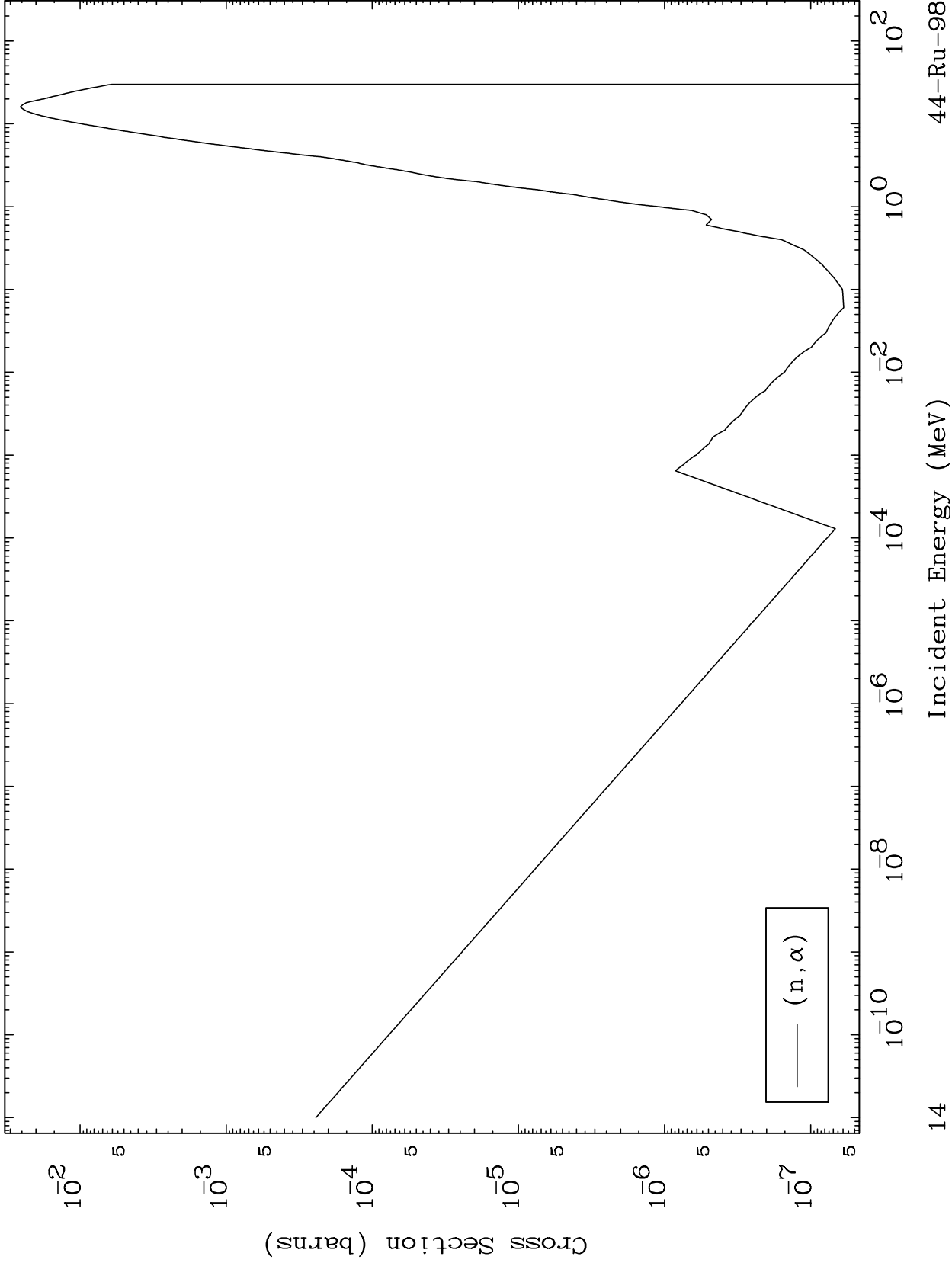
Incident Energy (MeV)

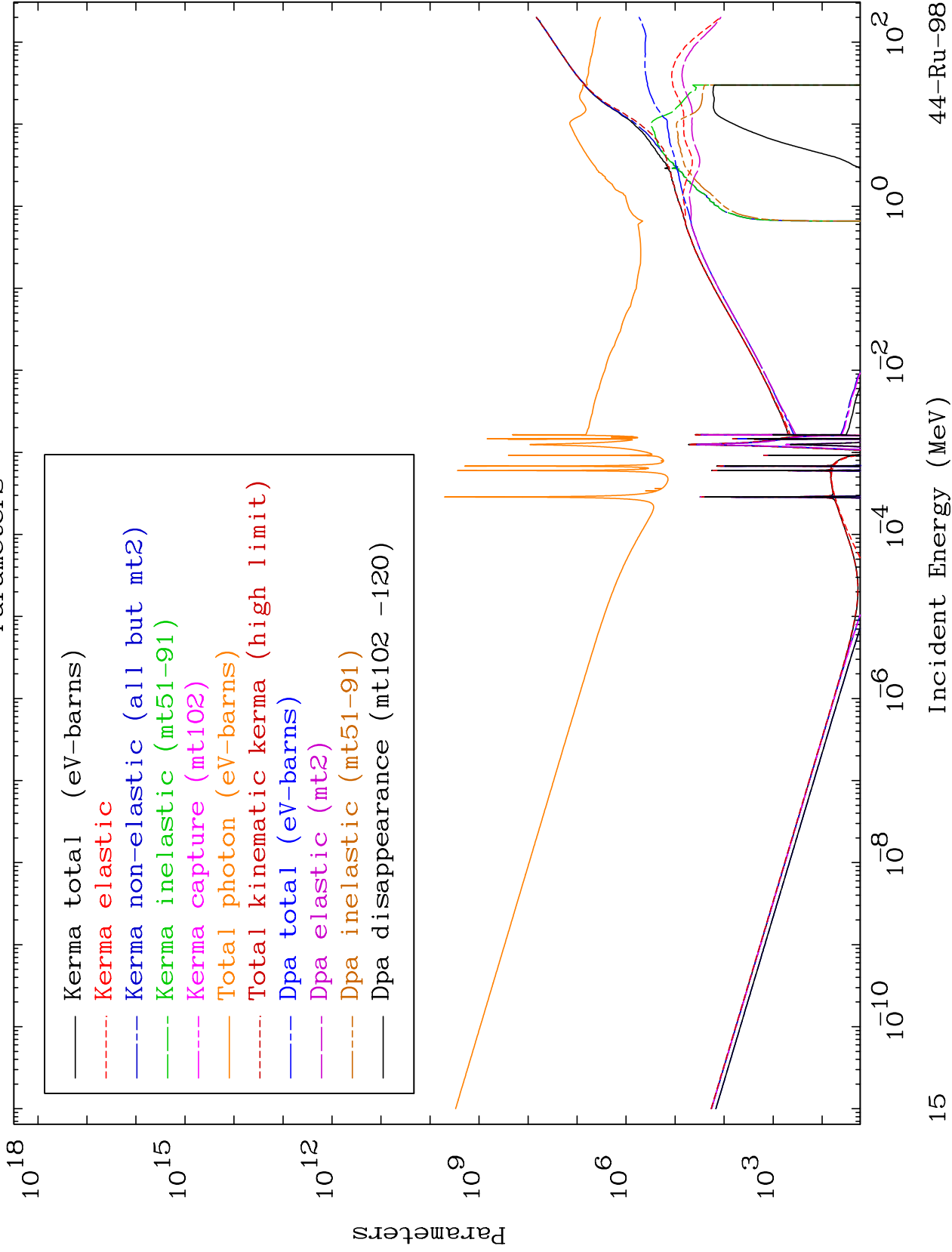
44-Ru-98

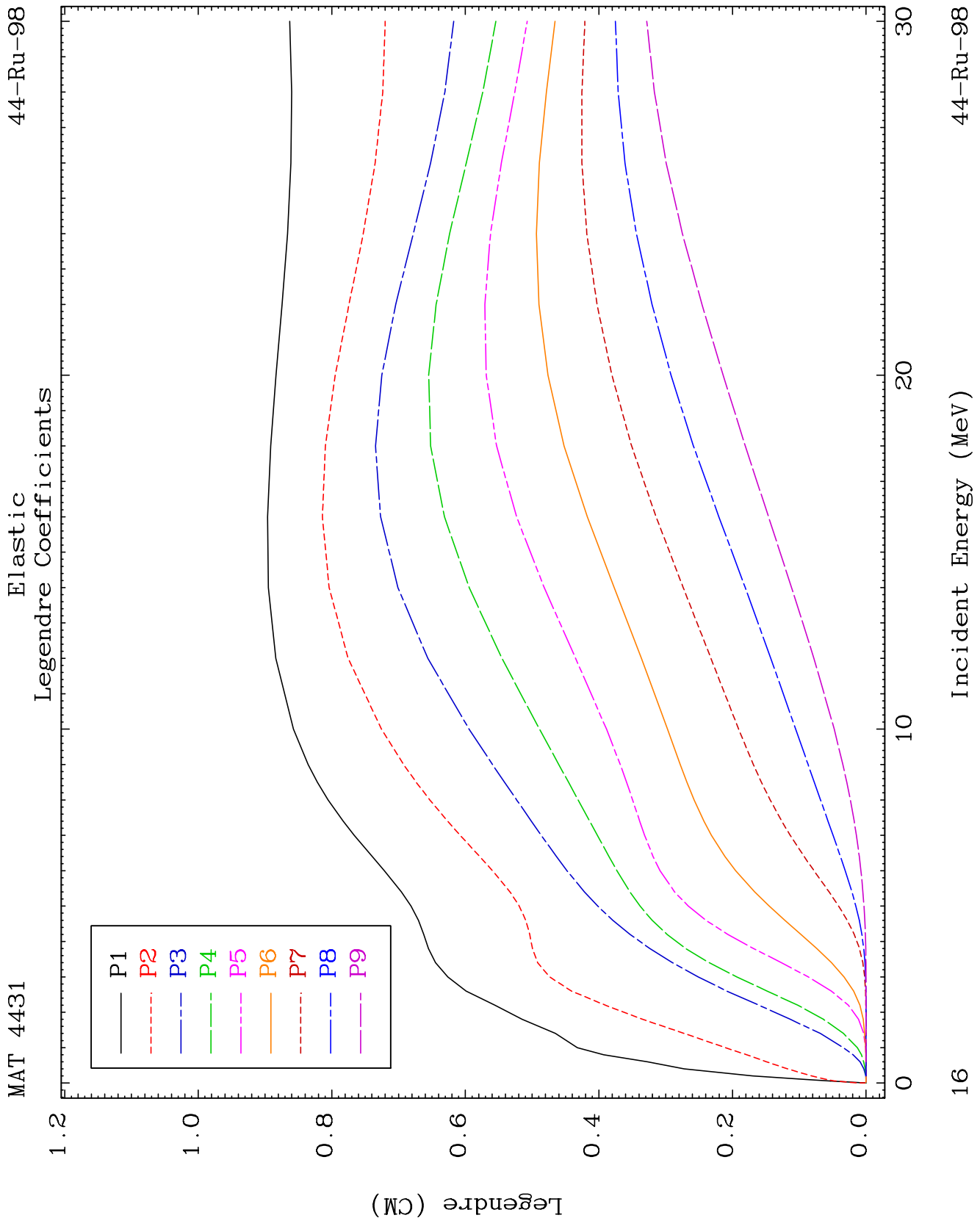
MAT 4431

(n, α) Levels
293 Kelvin Cross Sections

44-Ru-98







MAT 4431

Elastic Legendre Coefficients

$^{44}\text{Ru-98}$

16

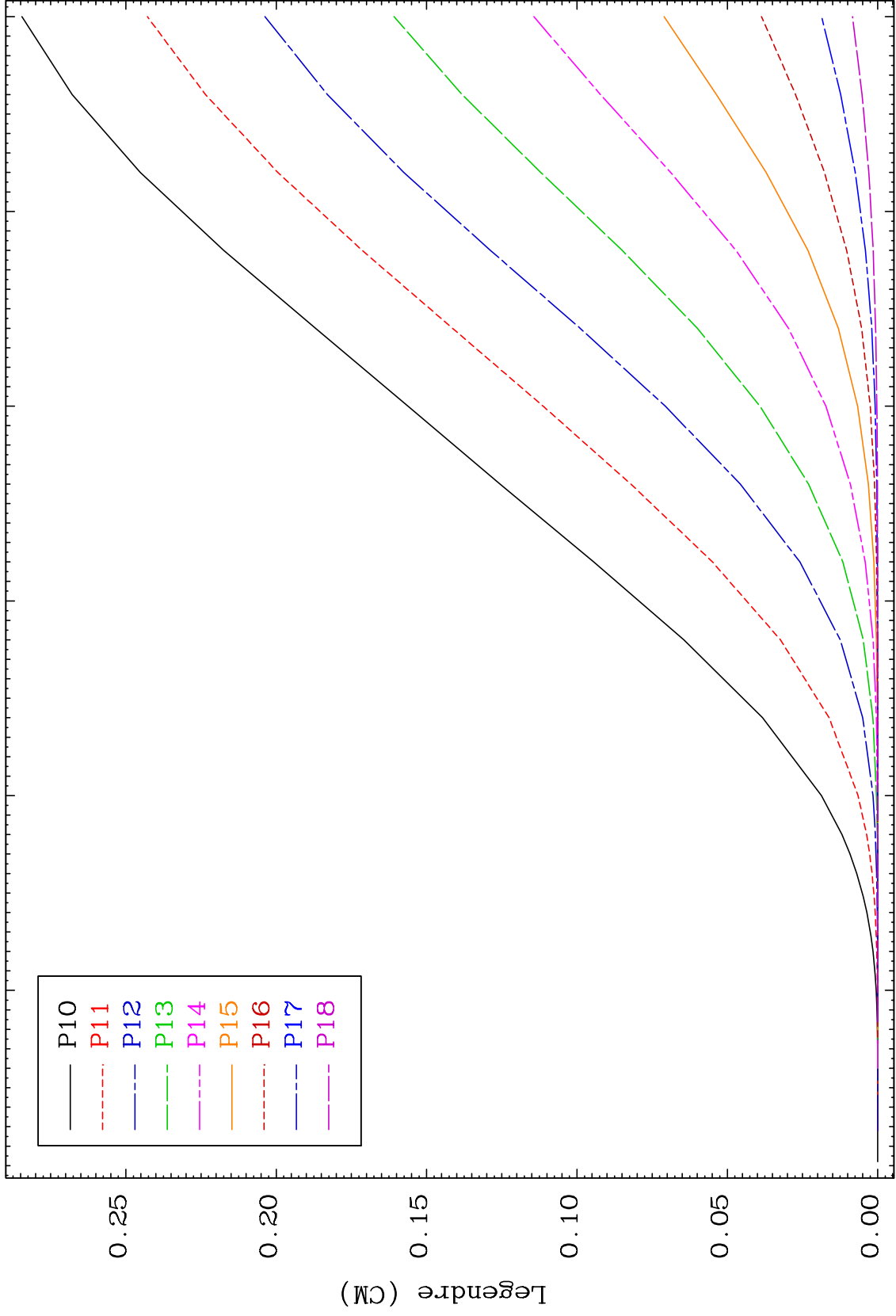
Incident Energy (MeV)

$^{44}\text{Ru-98}$

MAT 4431

Elastic
Legendre Coefficients

44-Ru-98



17

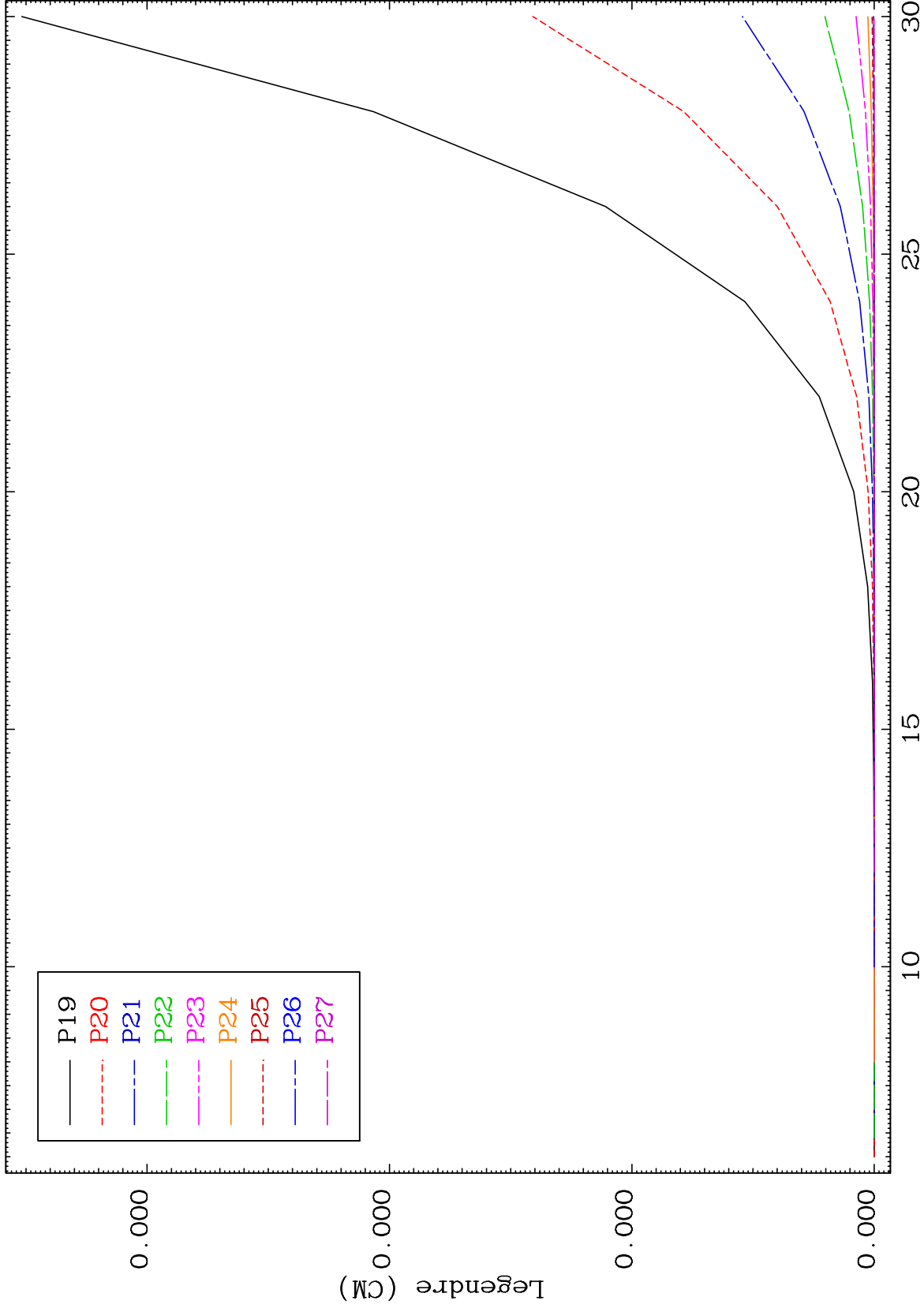
Incident Energy (MeV)

44-Ru-98

MAT 4431

Elastic Legendre Coefficients

44-Ru-98



18

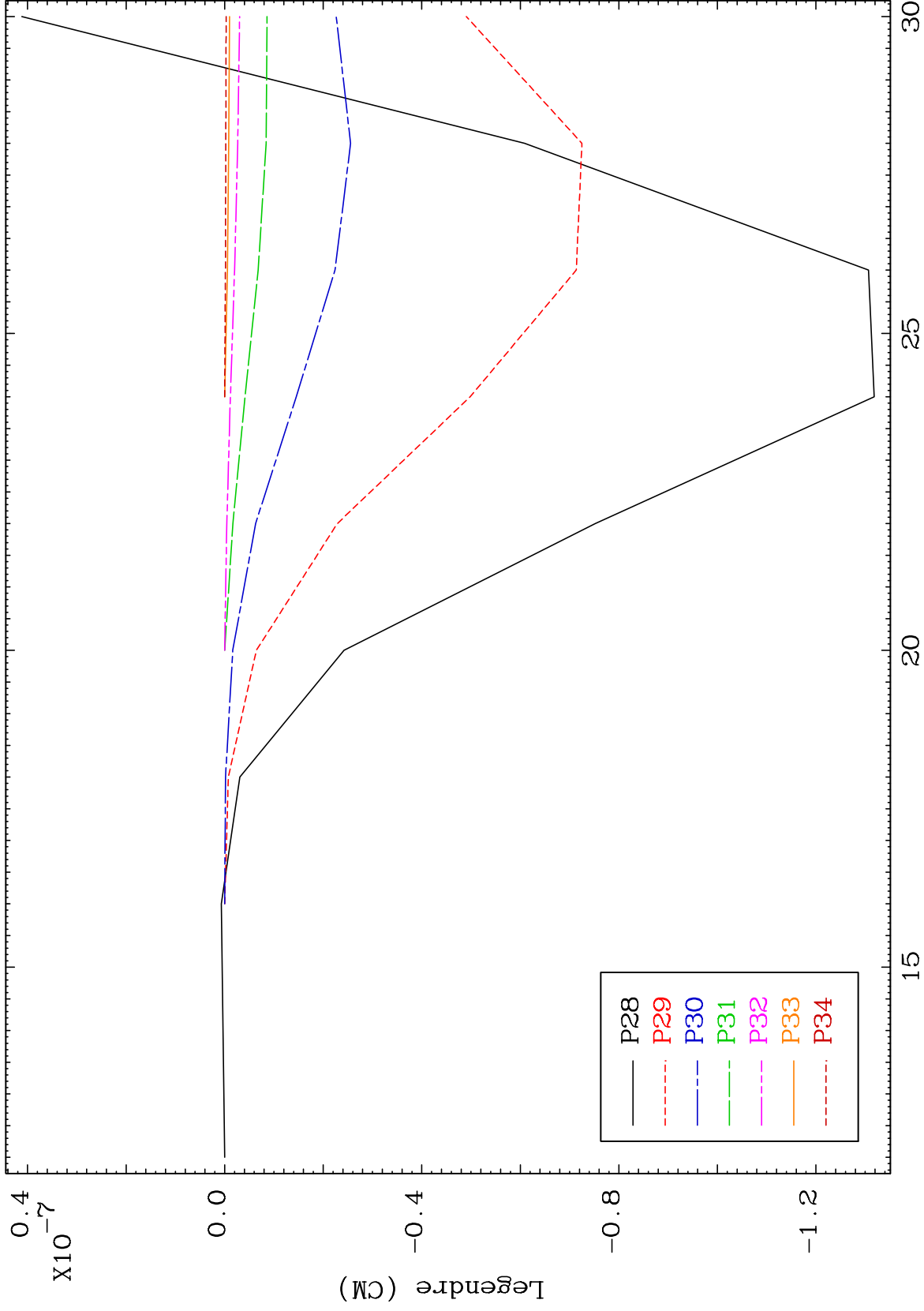
Incident Energy (MeV)

44-Ru-98

MAT 4431

Elastic Legendre Coefficients

44-Ru-98



19

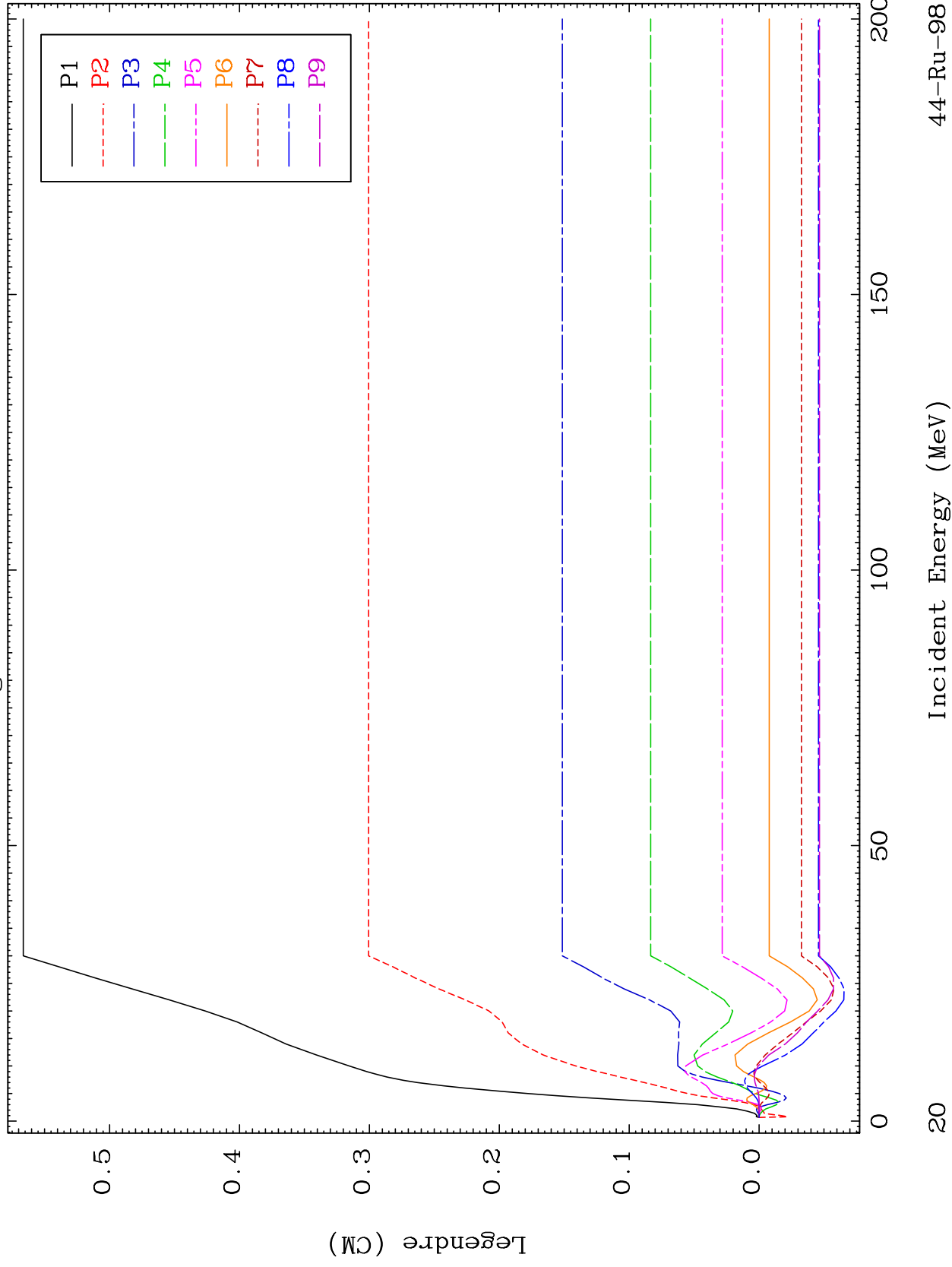
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

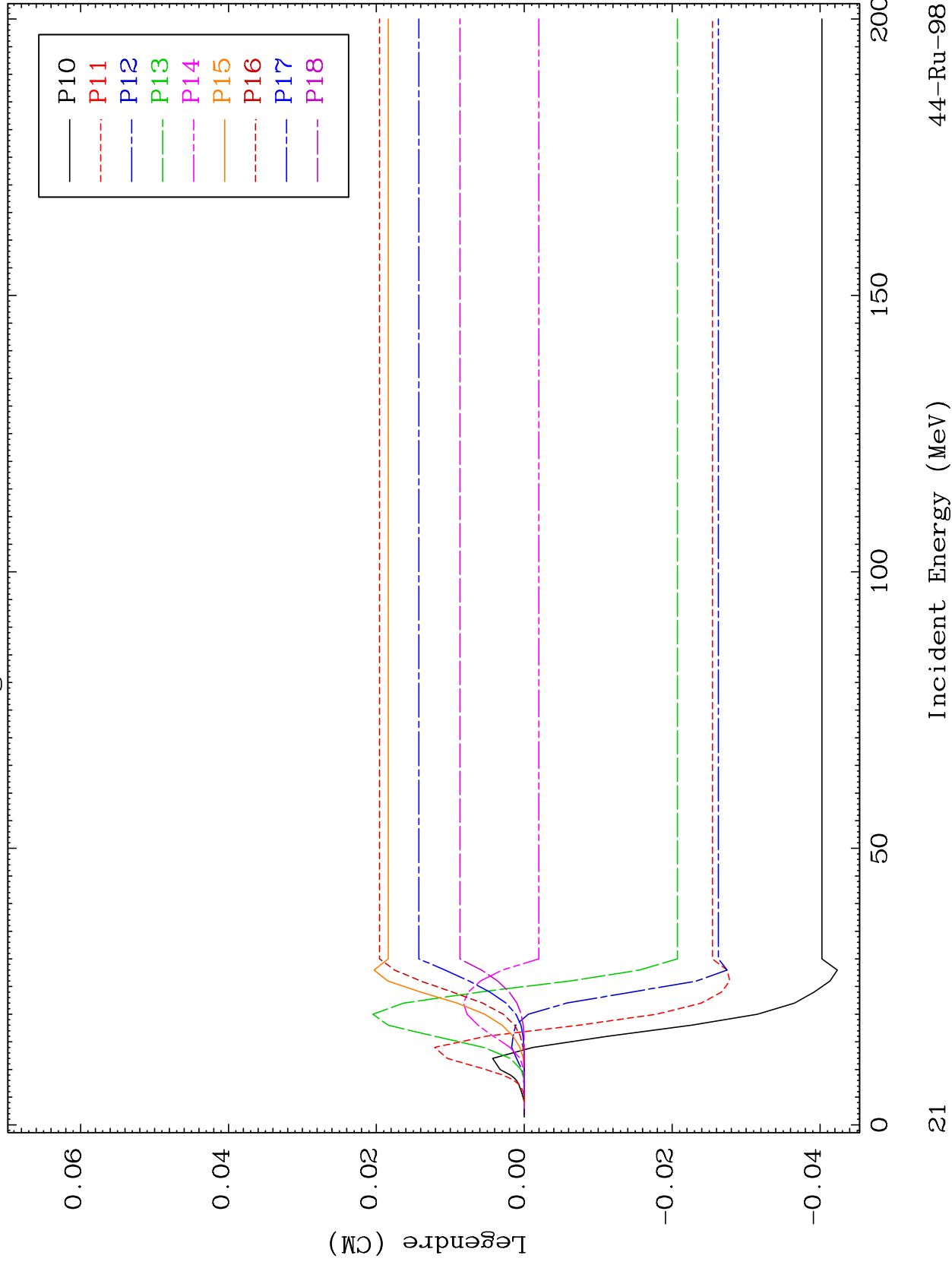
44-Ru-98



MAT 4431

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

44-Ru-98

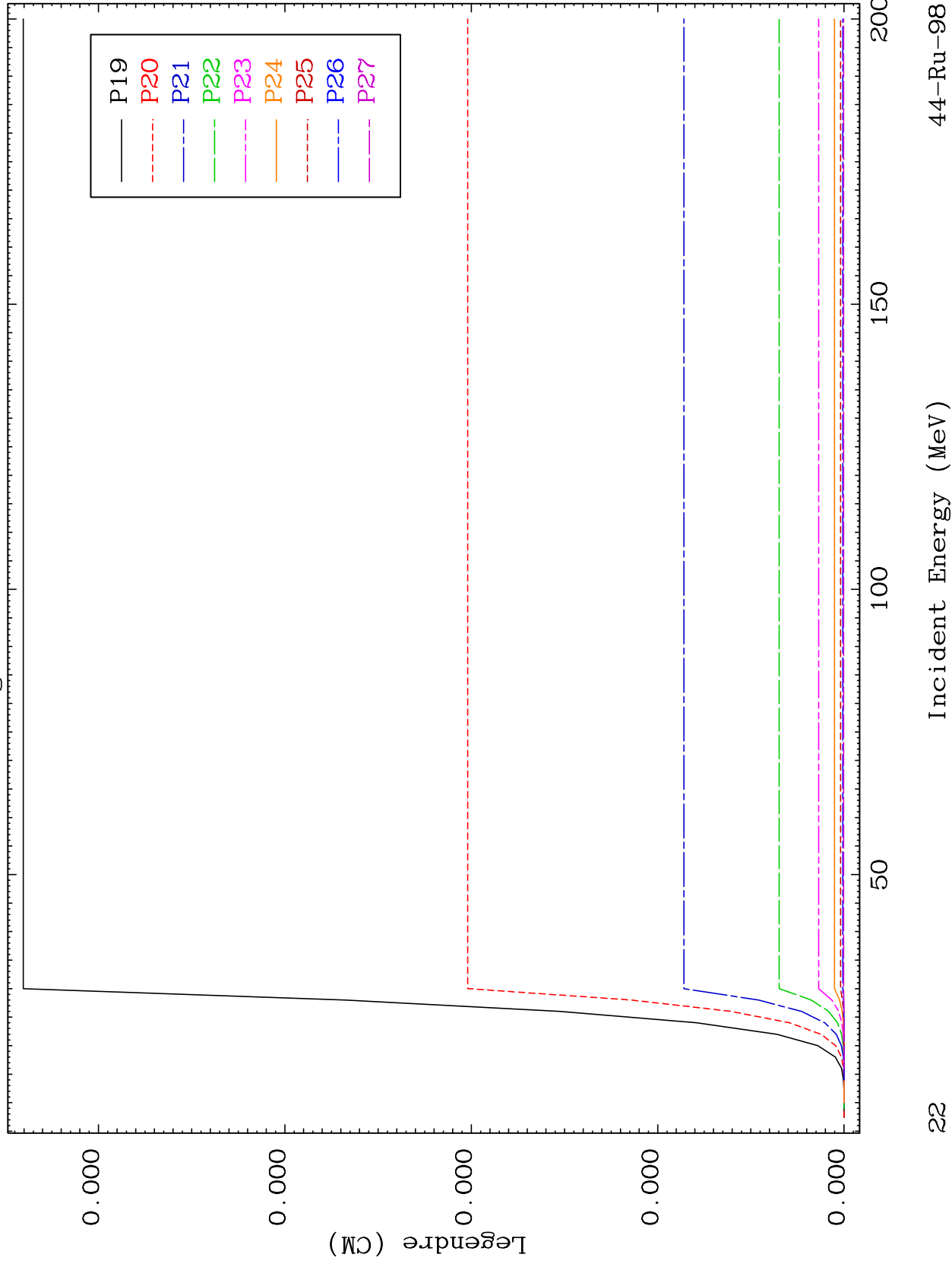


21

MAT 4431

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

44-Ru-98



22

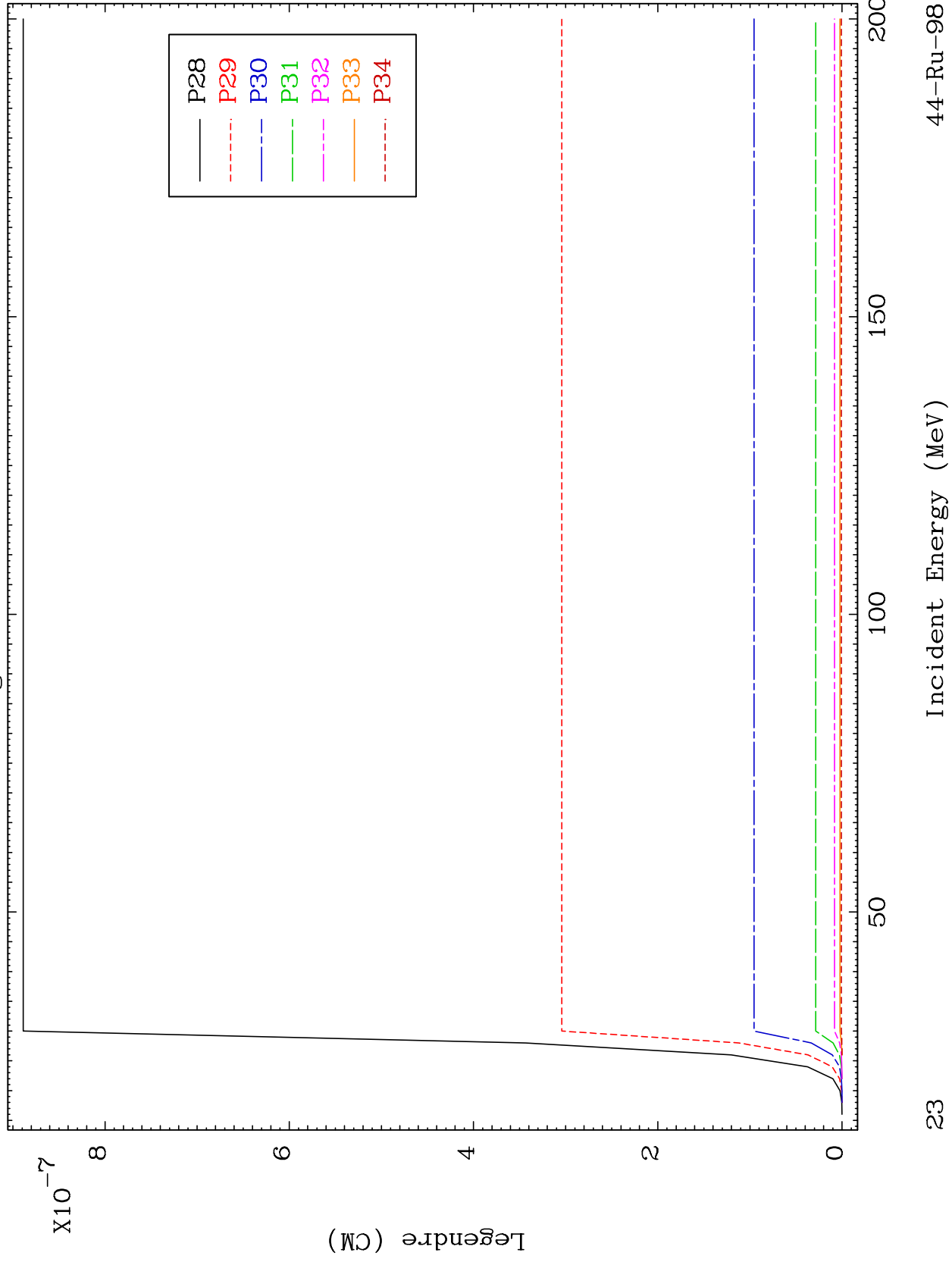
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

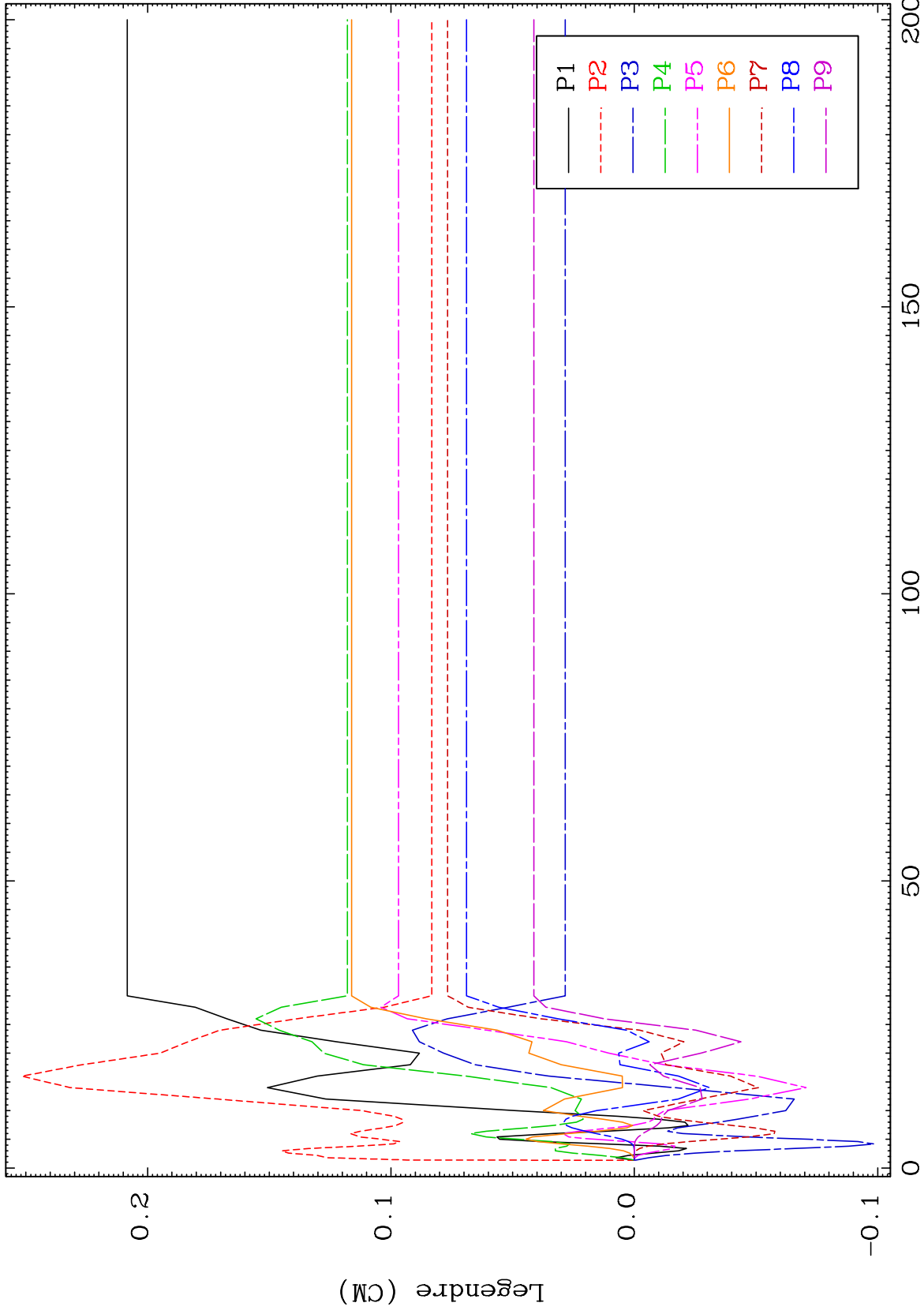
44-Ru-98



MAT 4431

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

44-Ru-98



24

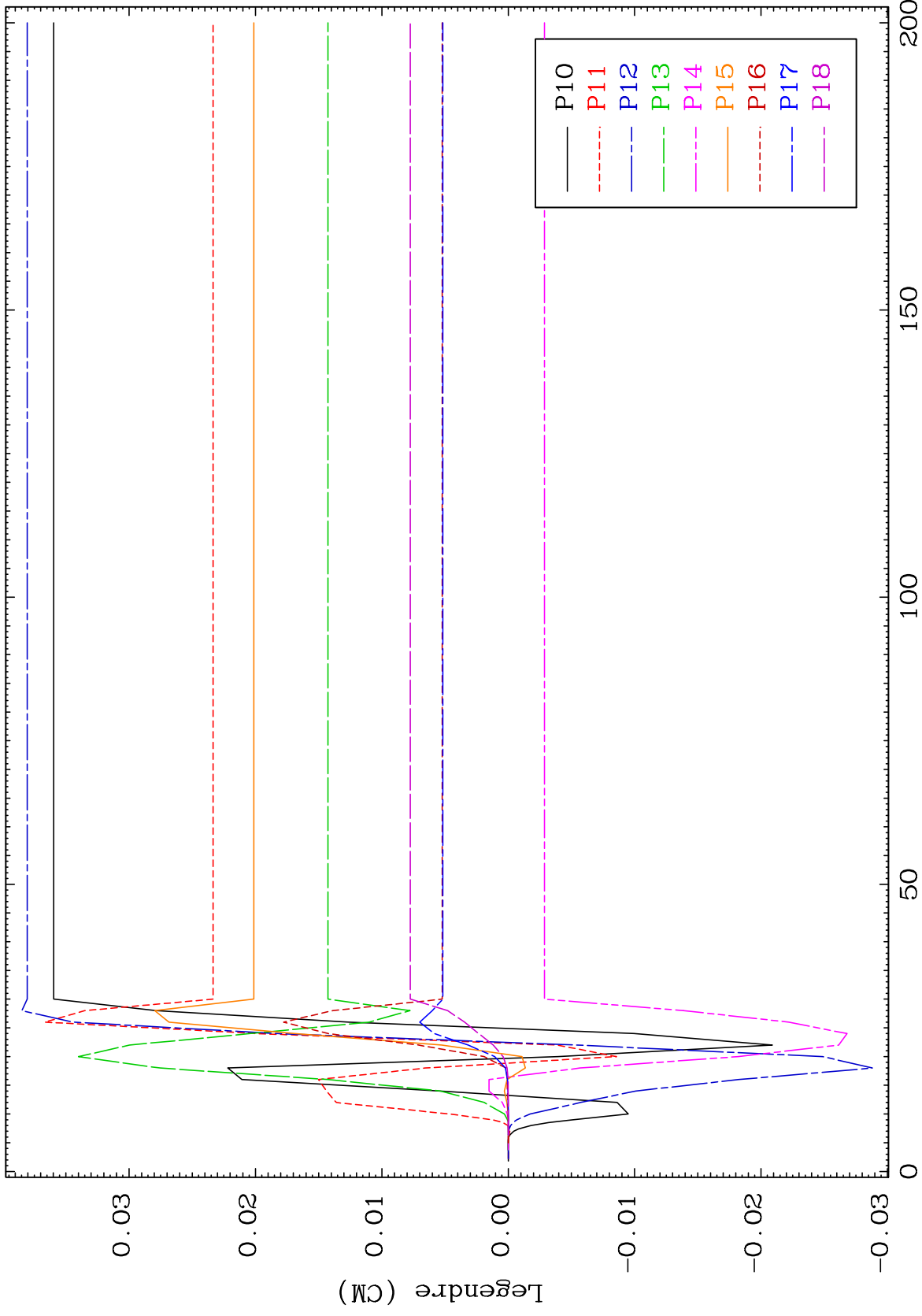
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



25

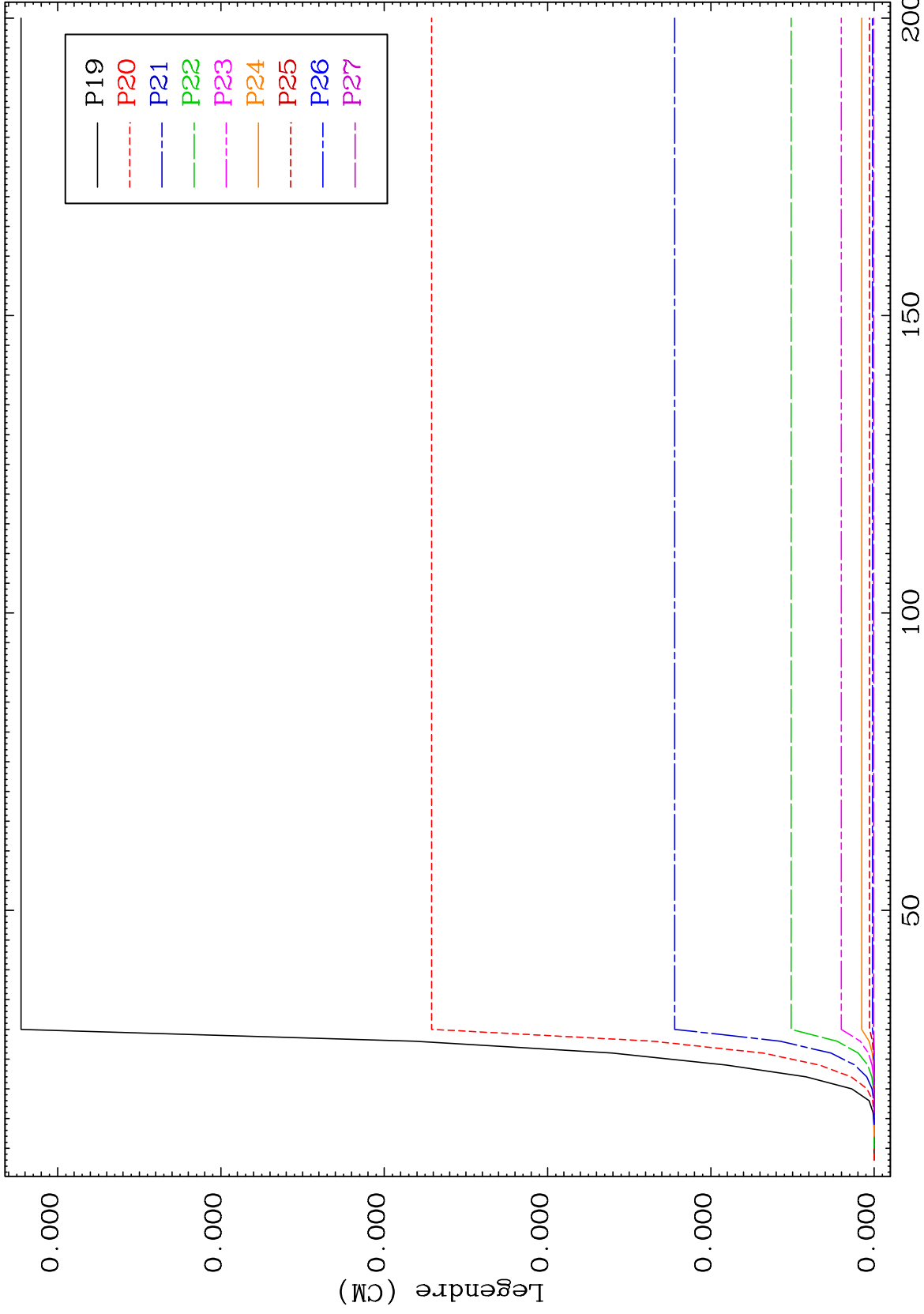
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



26

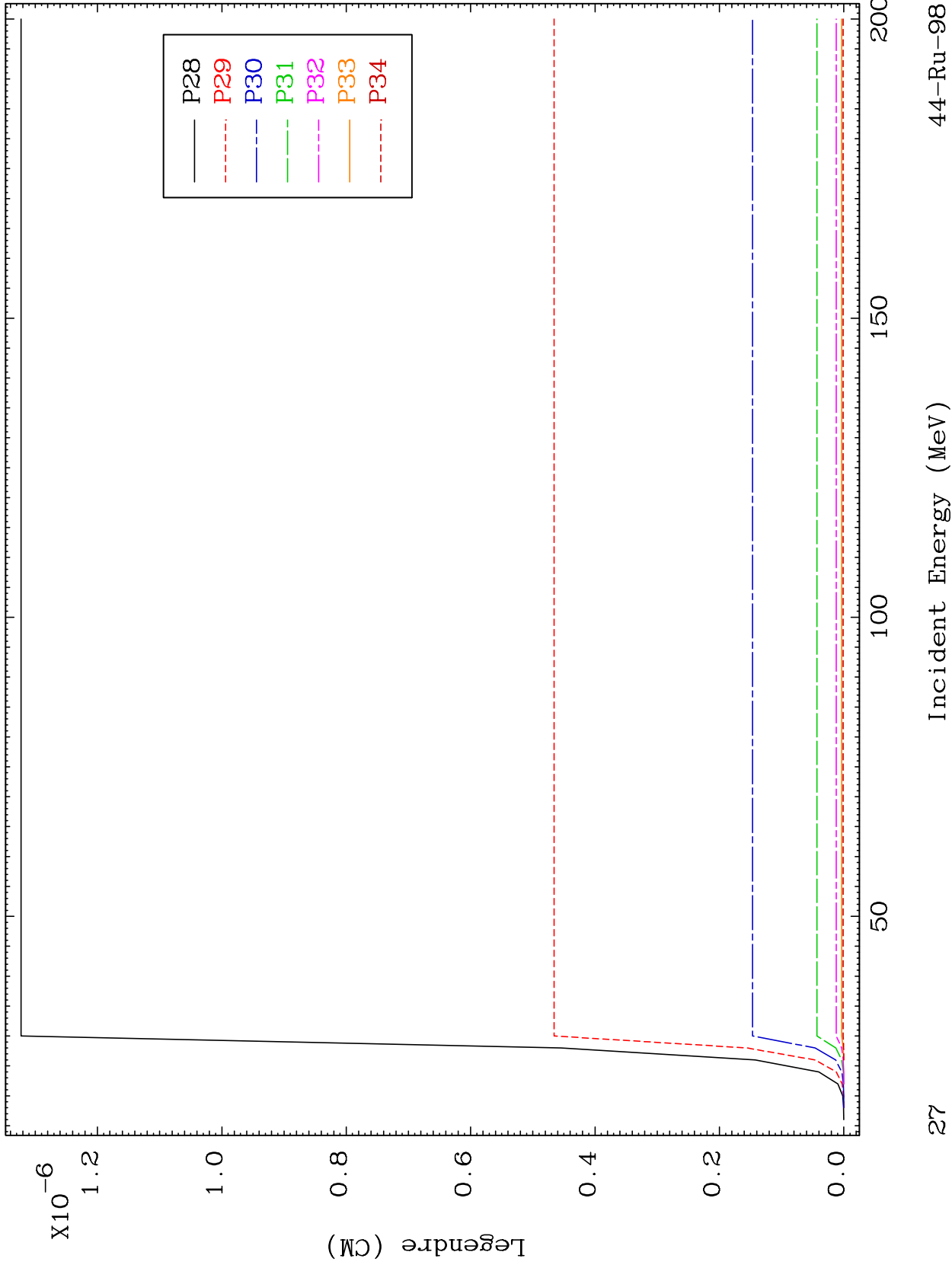
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

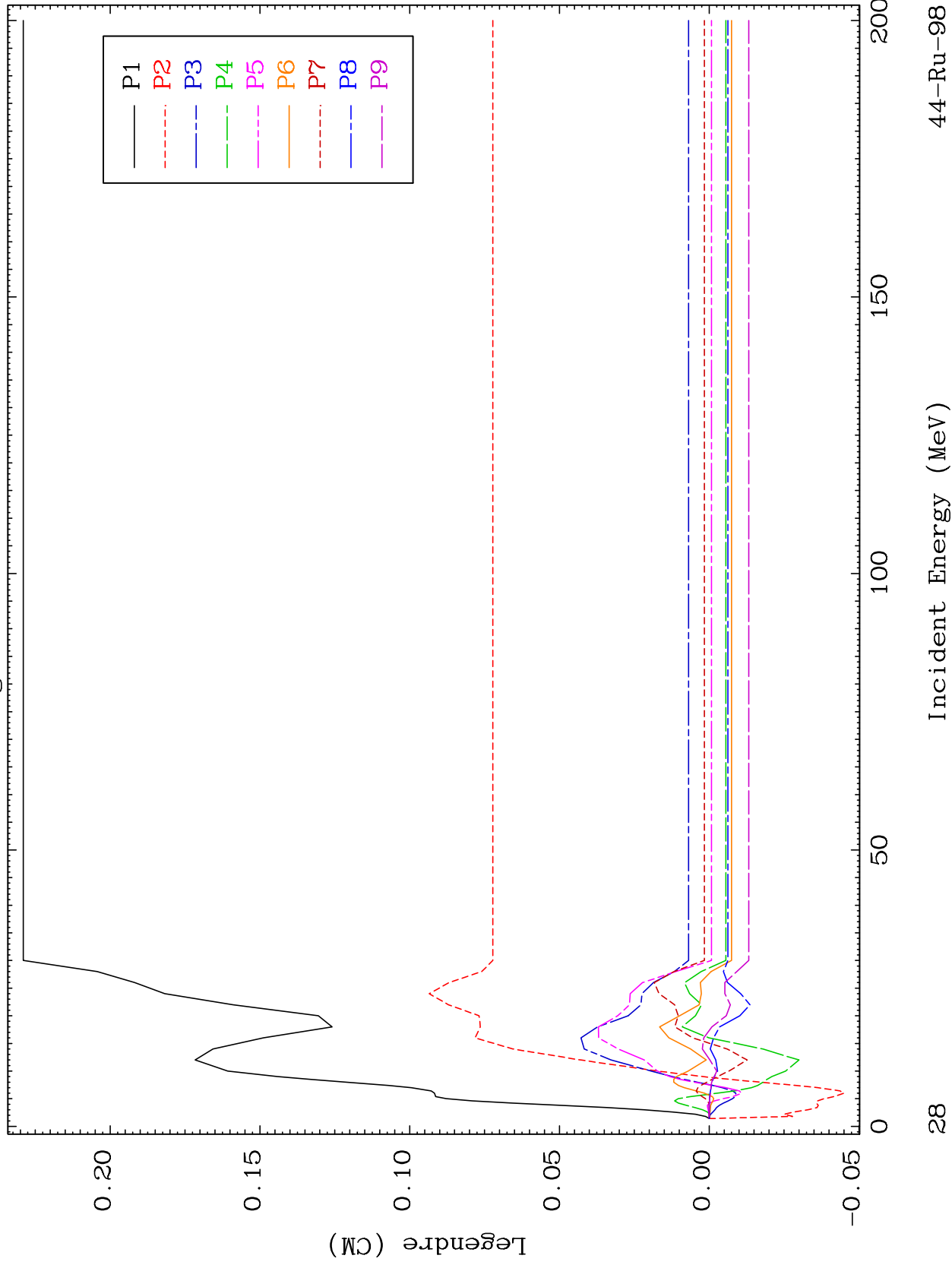
44-Ru-98



MAT 4431

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

44-Ru-98



44-Ru-98

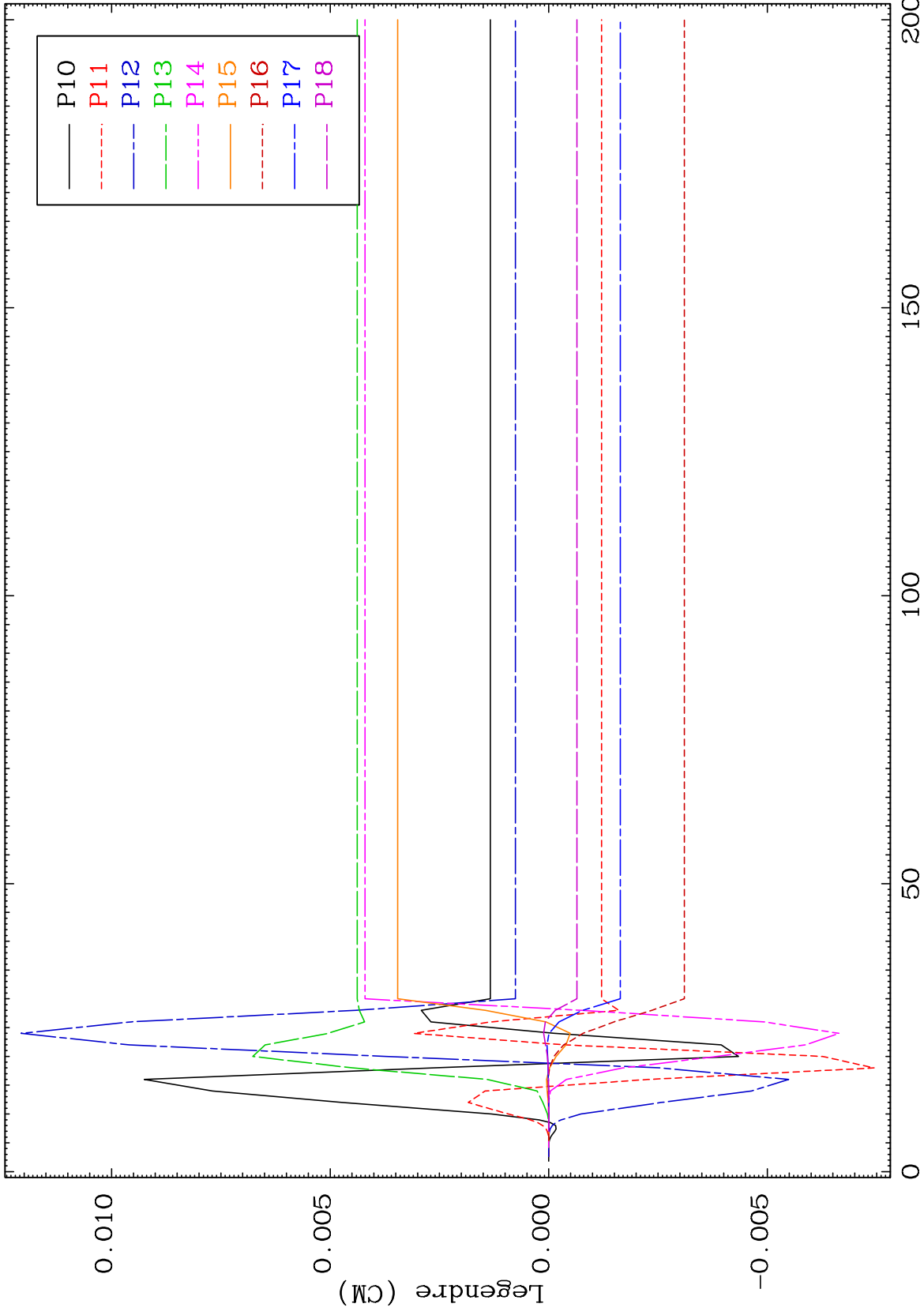
Incident Energy (MeV)

28

MAT 4431

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

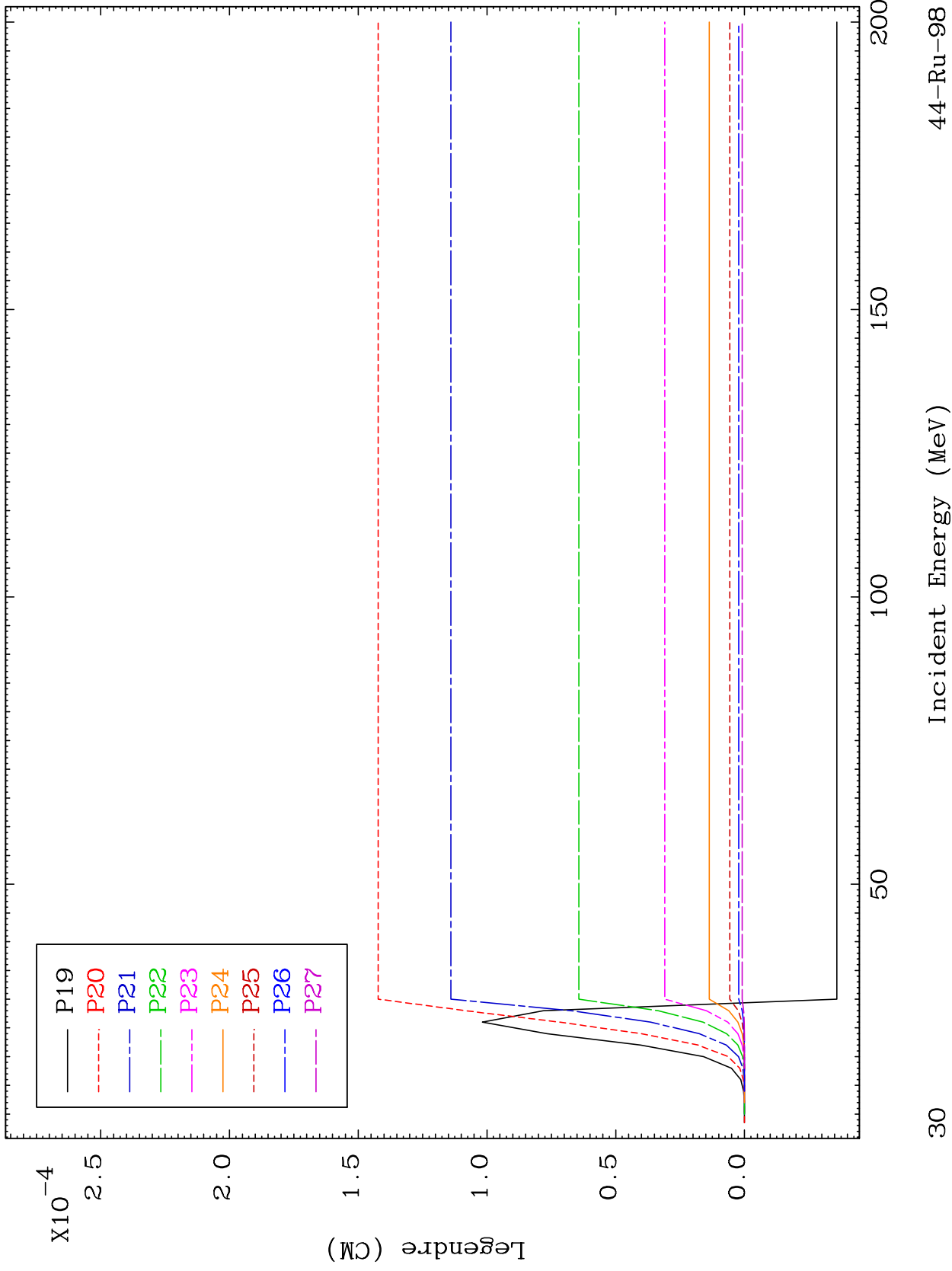
44-Ru-98



29

Incident Energy (MeV)

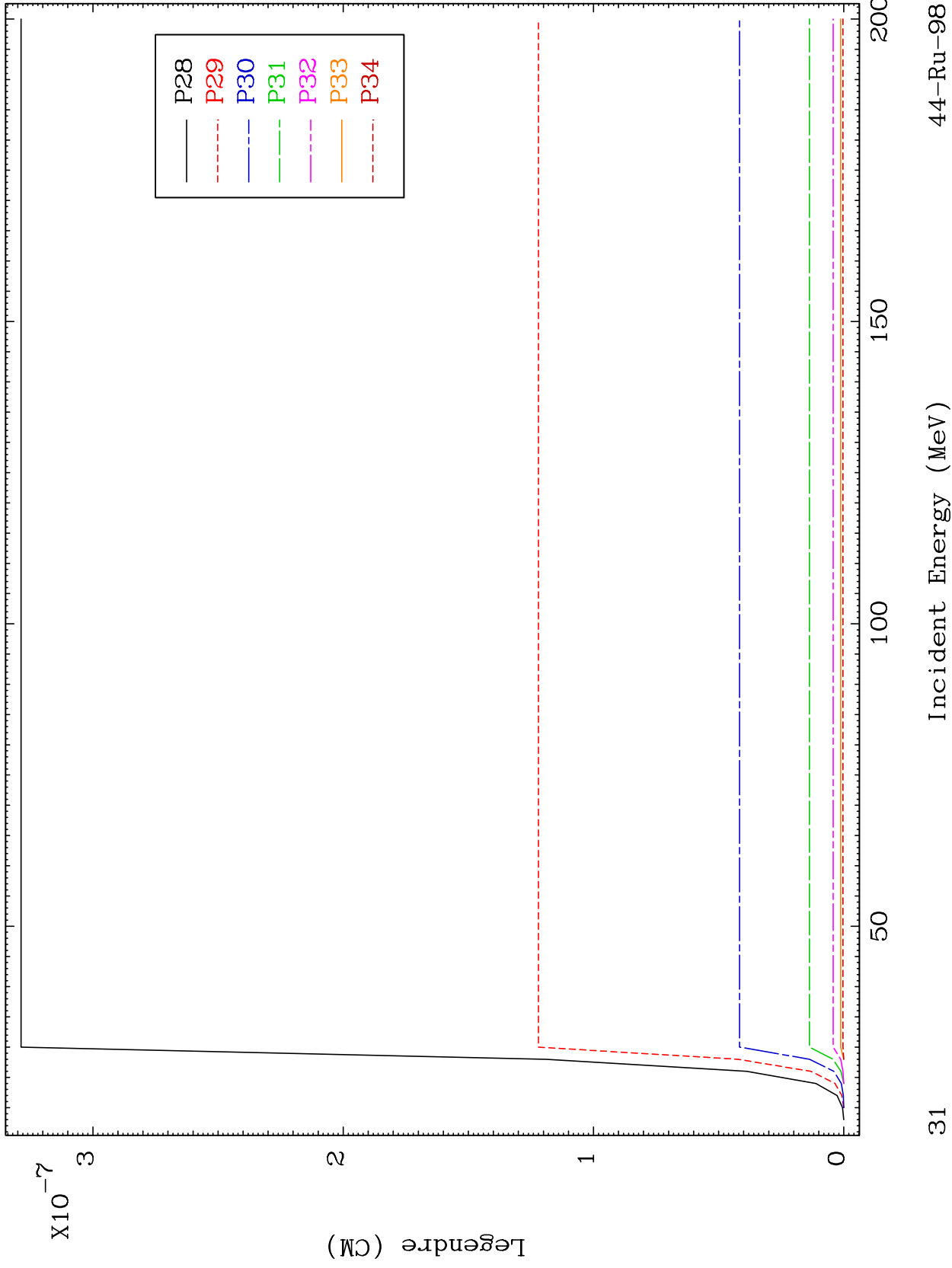
44-Ru-98



MAT 4431

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

44-Ru-98



31

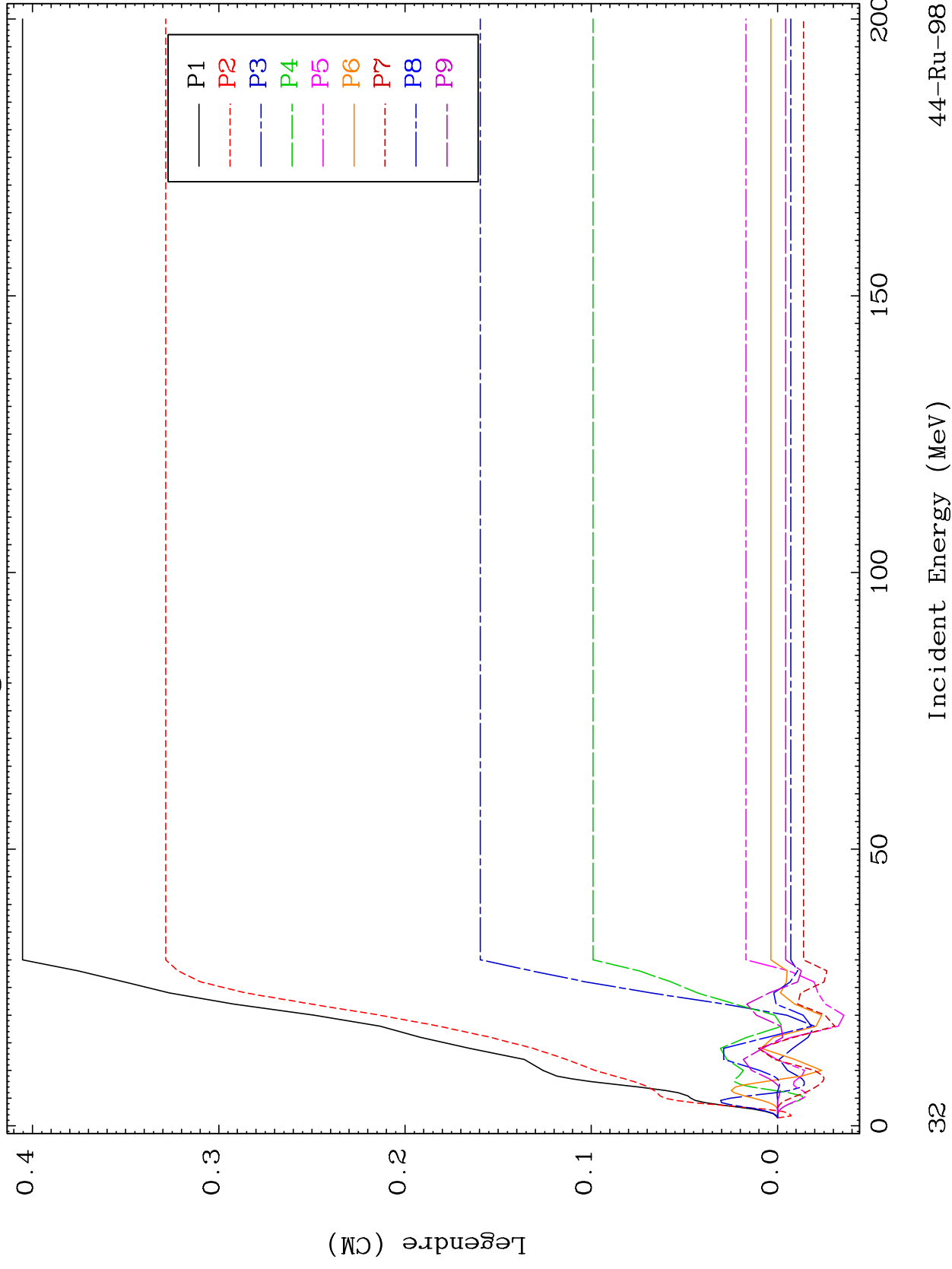
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



44-Ru-98

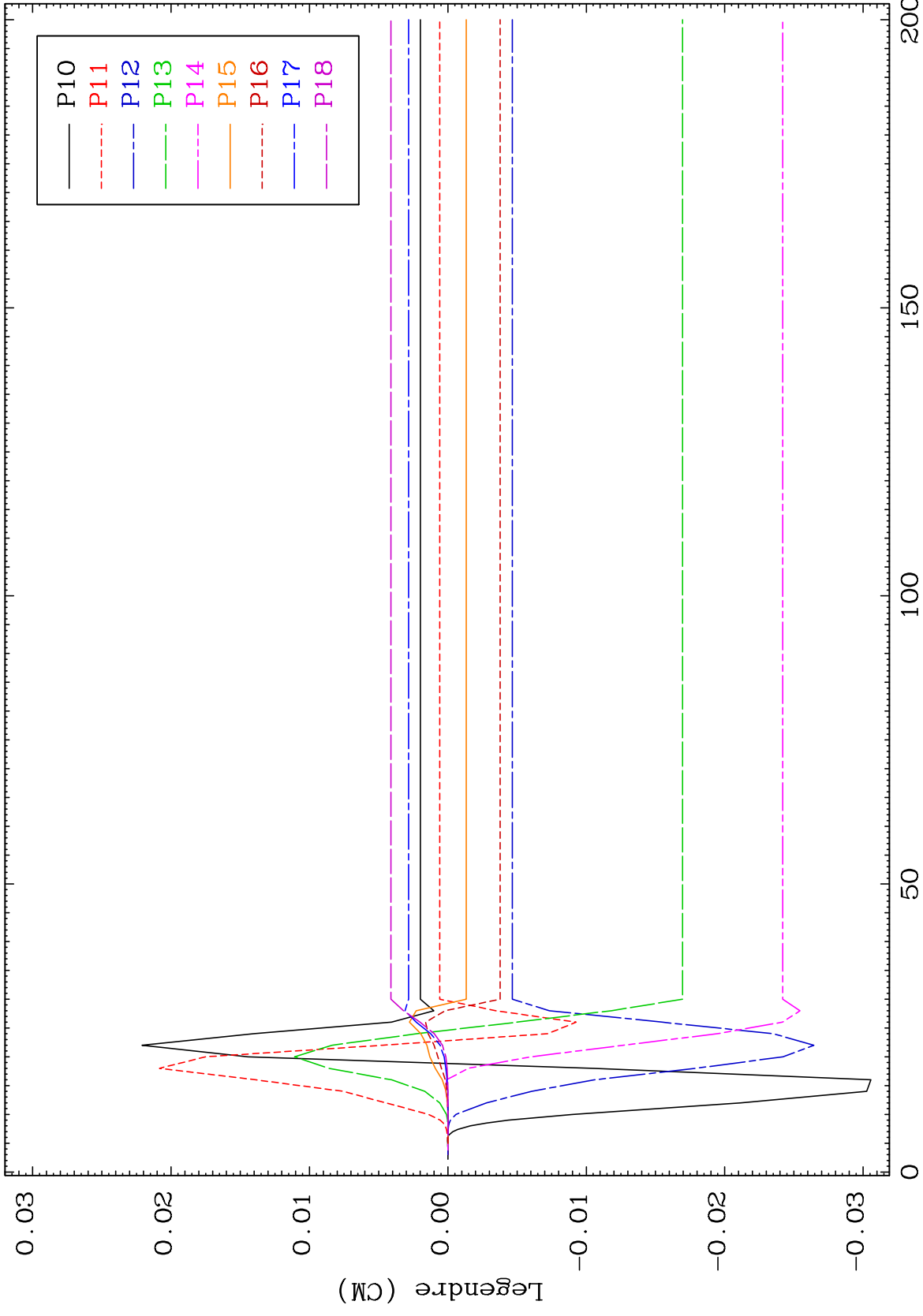
Incident Energy (MeV)

32

MAT 4431

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

44-Ru-98



33

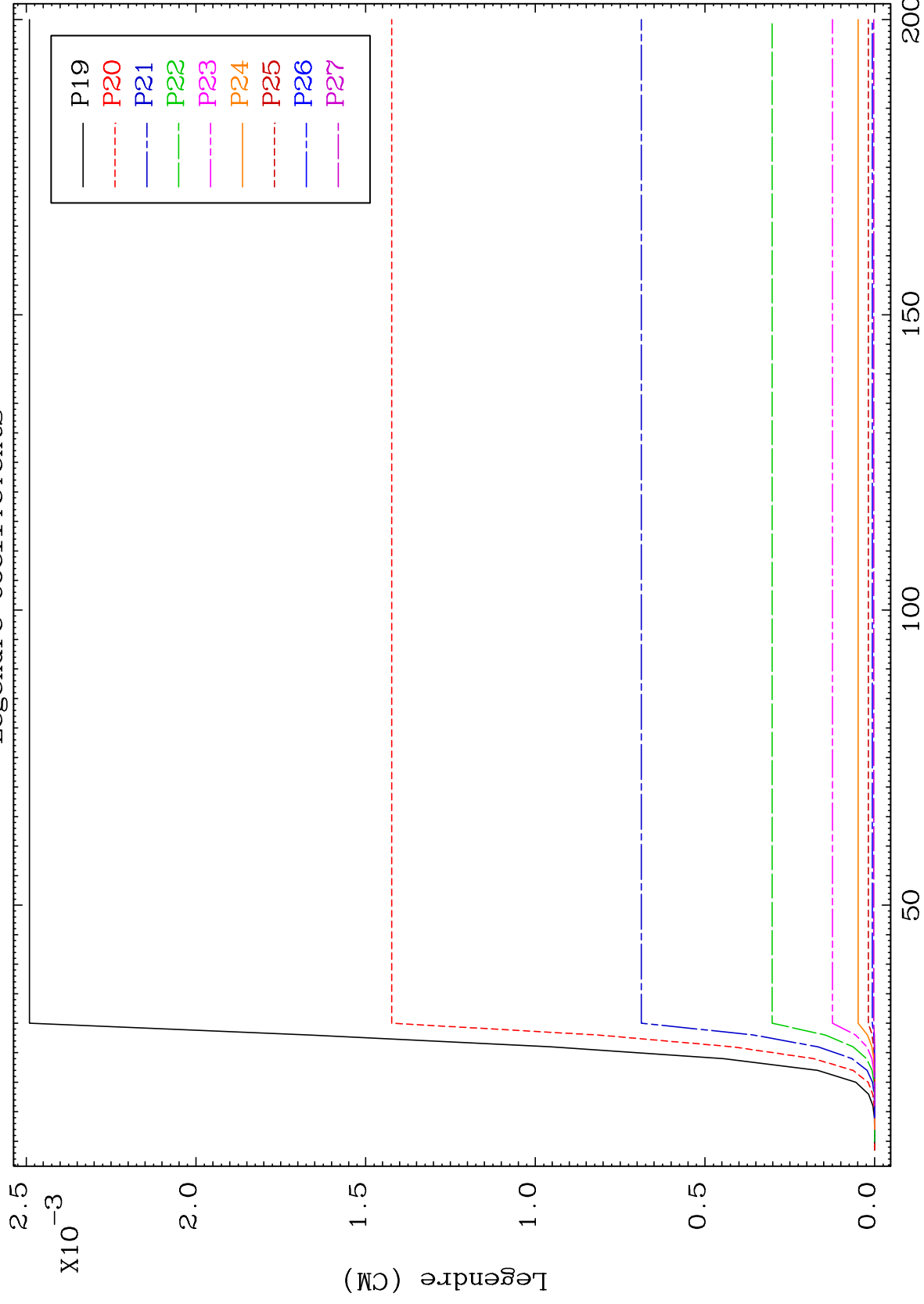
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



34

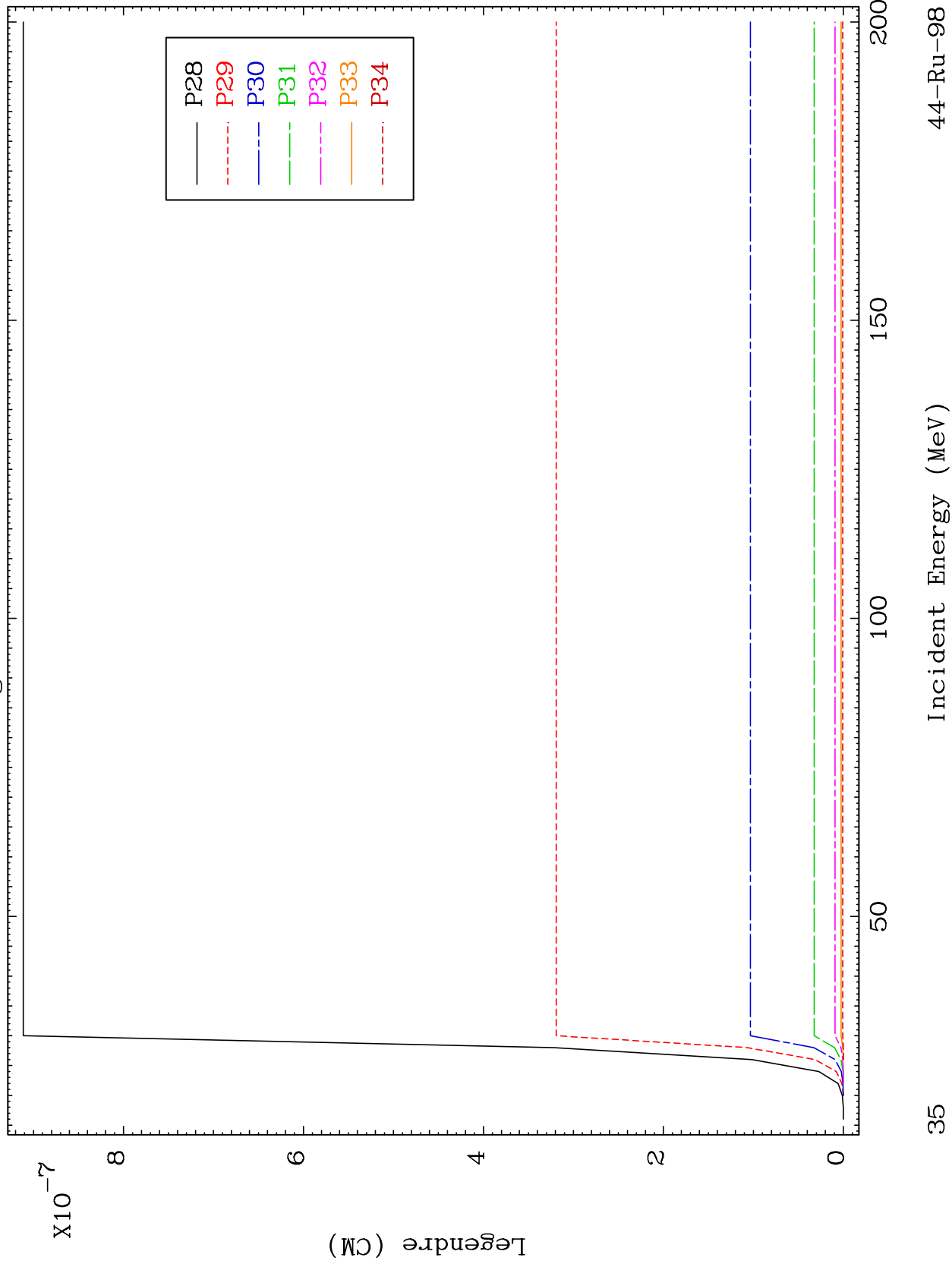
Incident Energy (MeV)

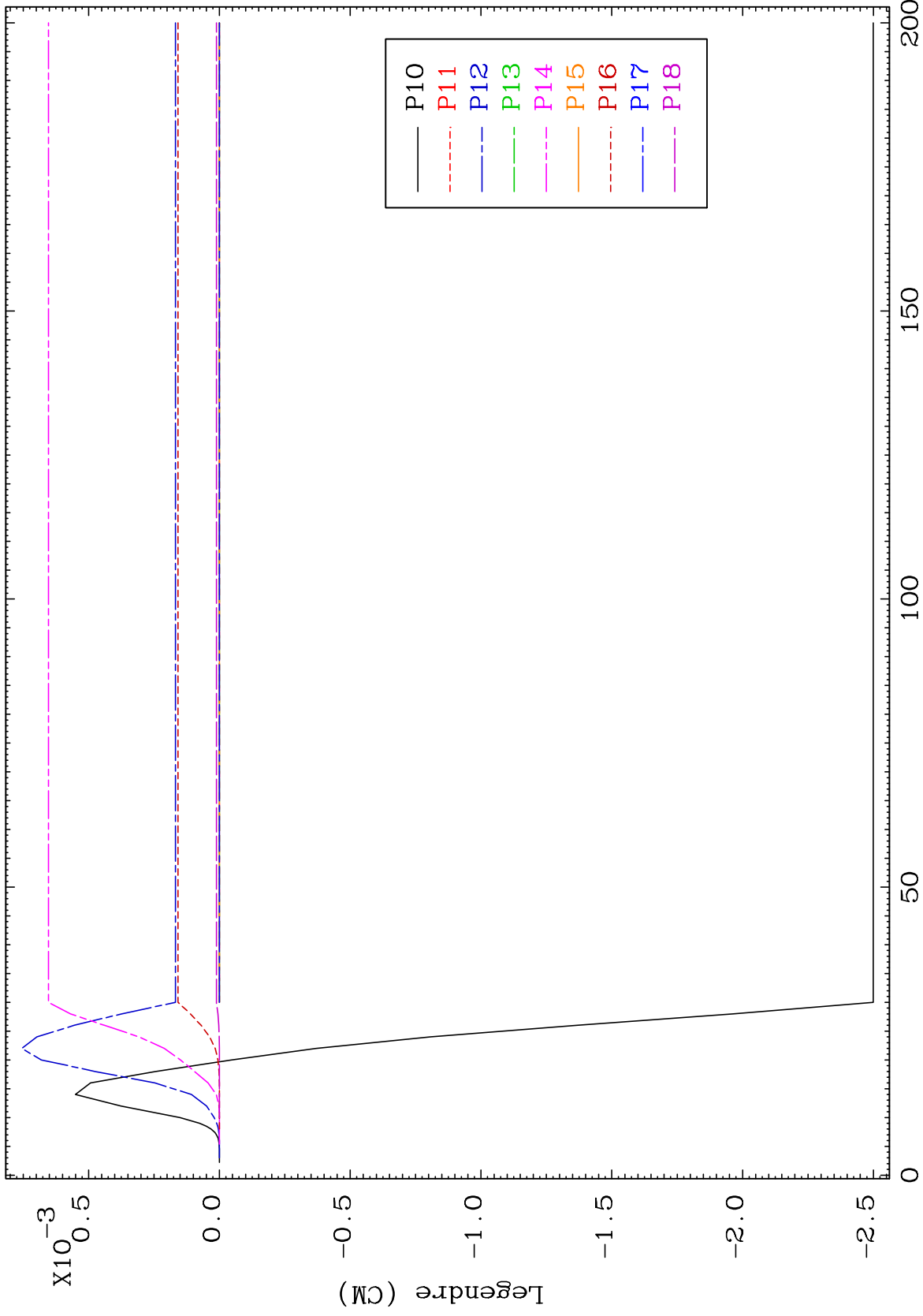
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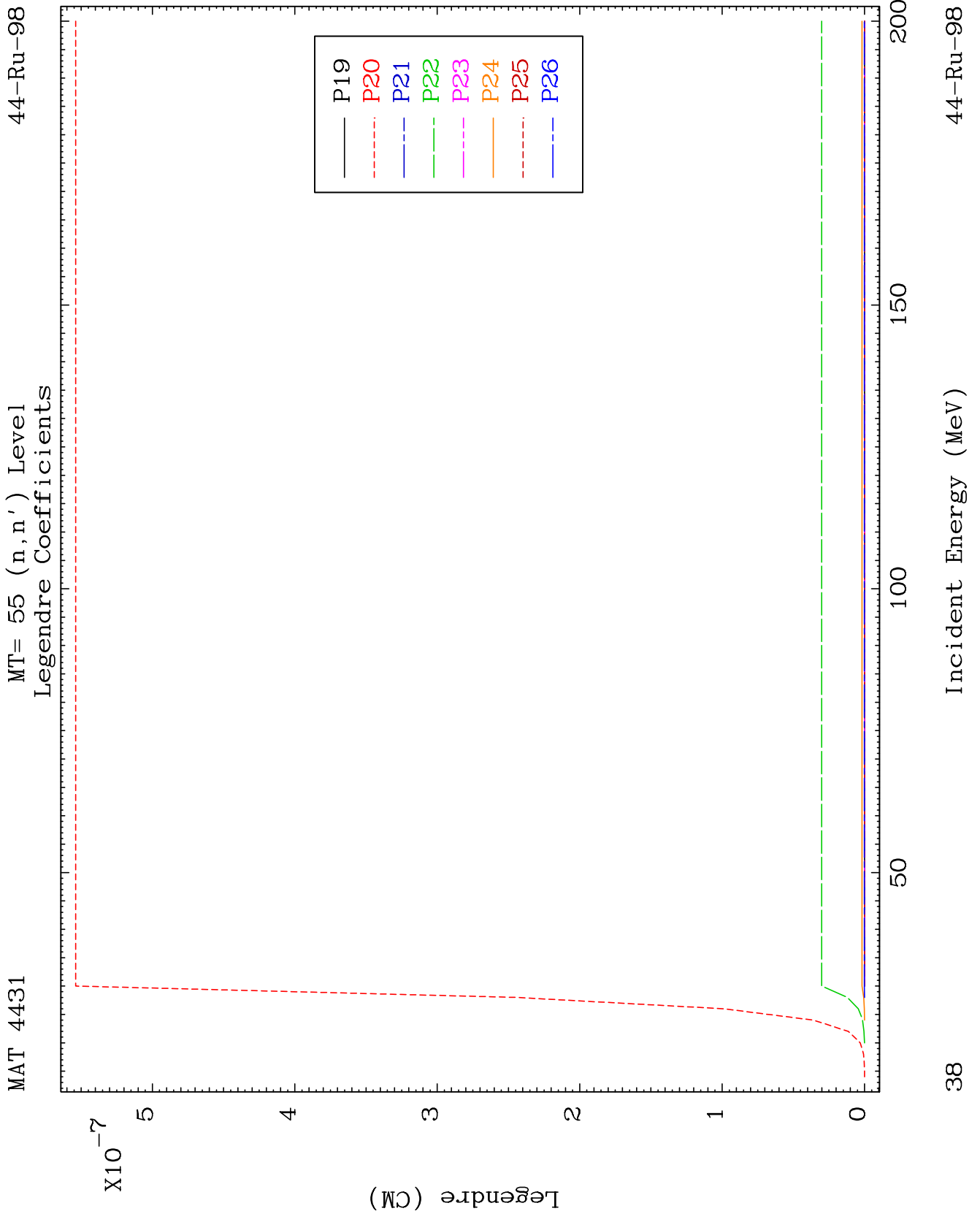
MAT 4431

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

44-Ru-98



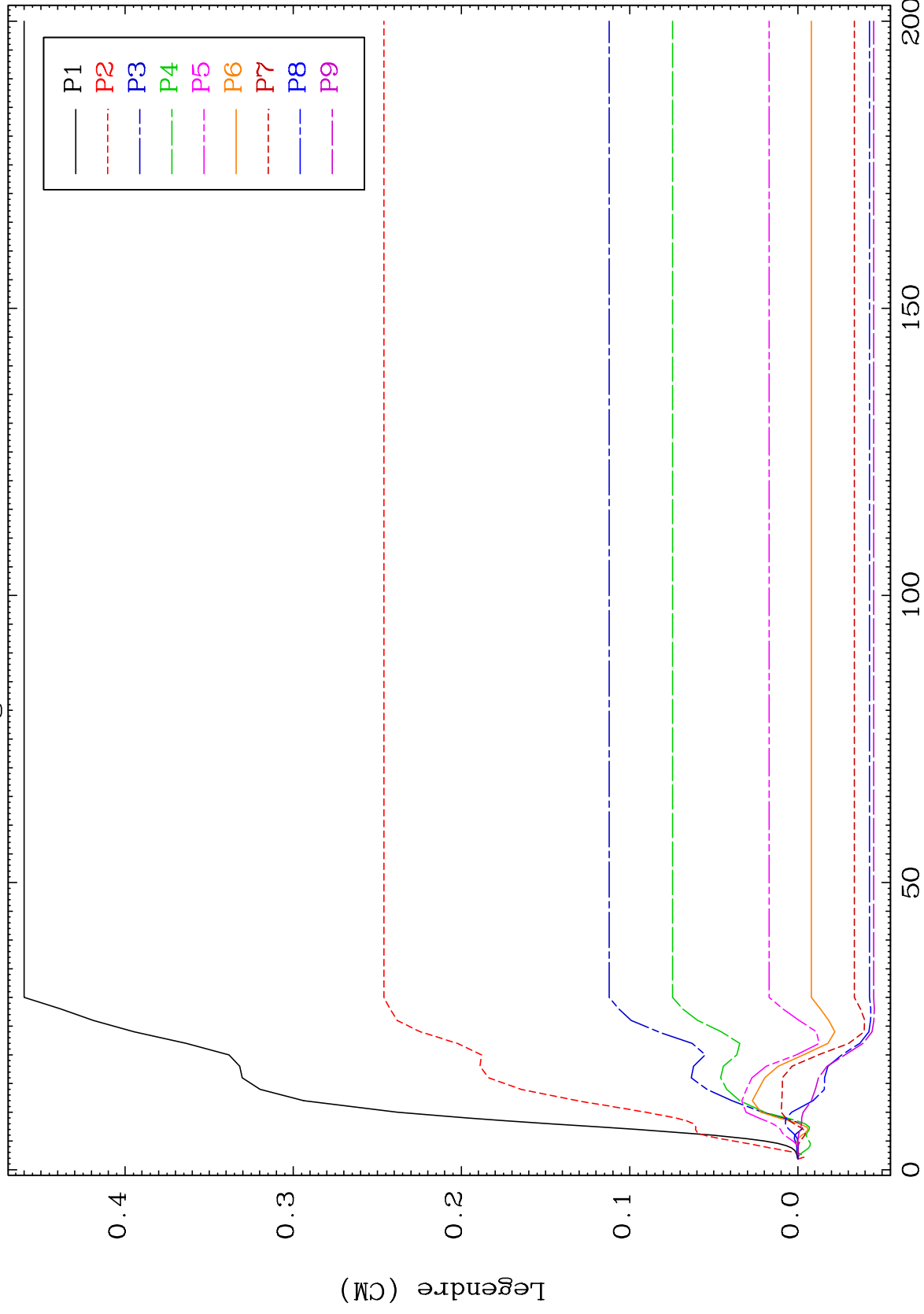




MAT 4431

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

44-Ru-98



39

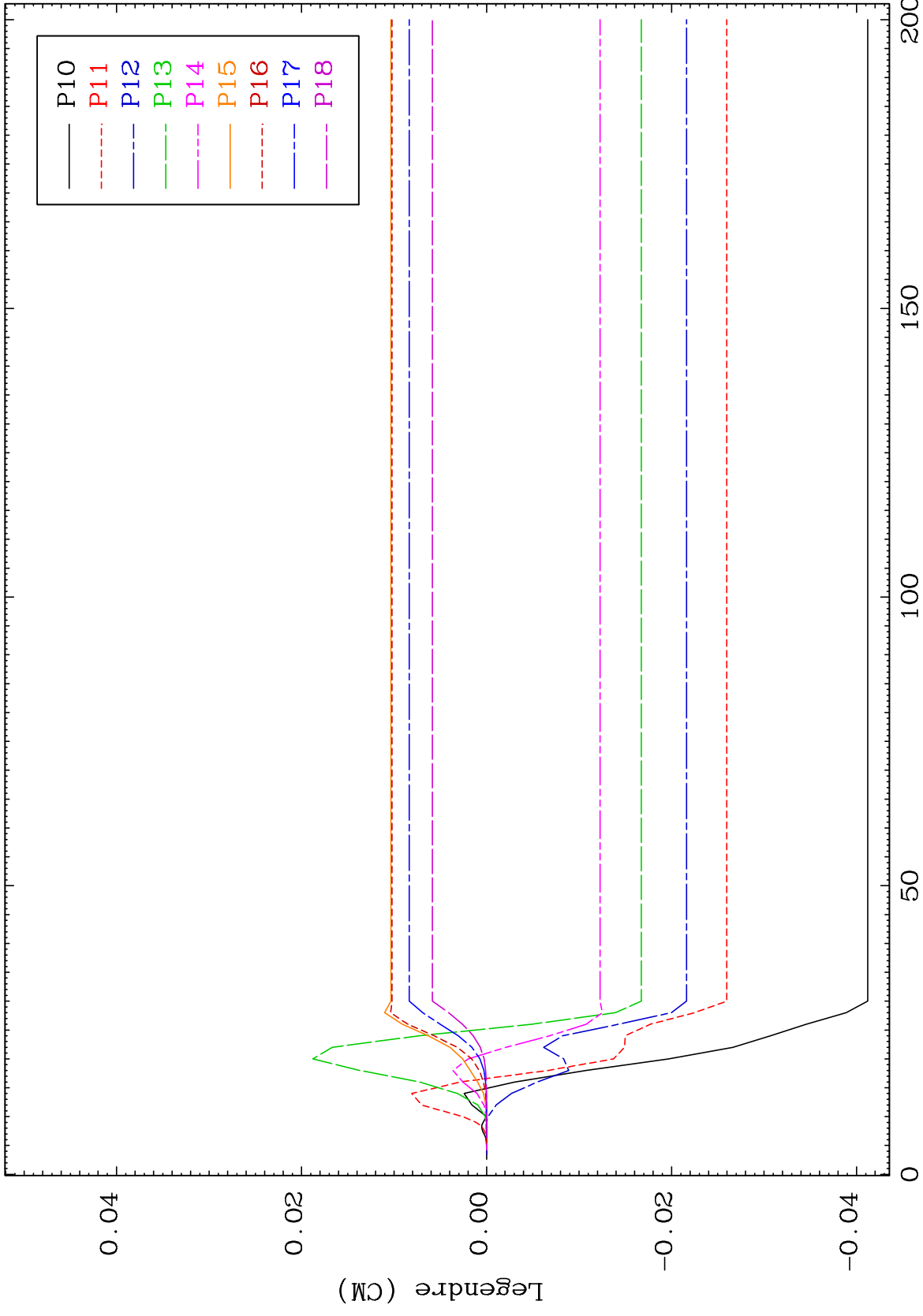
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



40

Incident Energy (MeV)

50

100

150

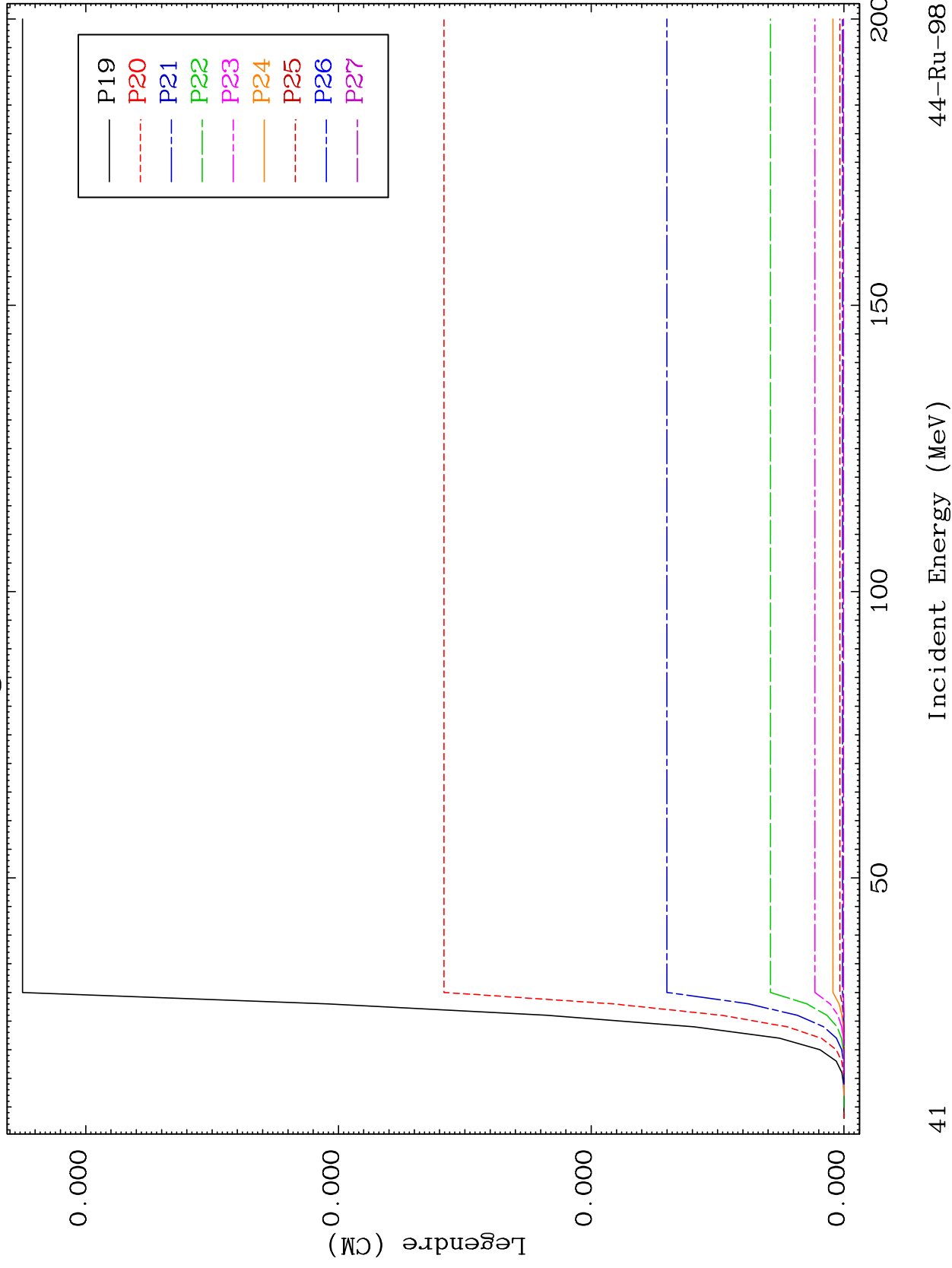
200

44-Ru-98

MAT 4431

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

44-Ru-98



41

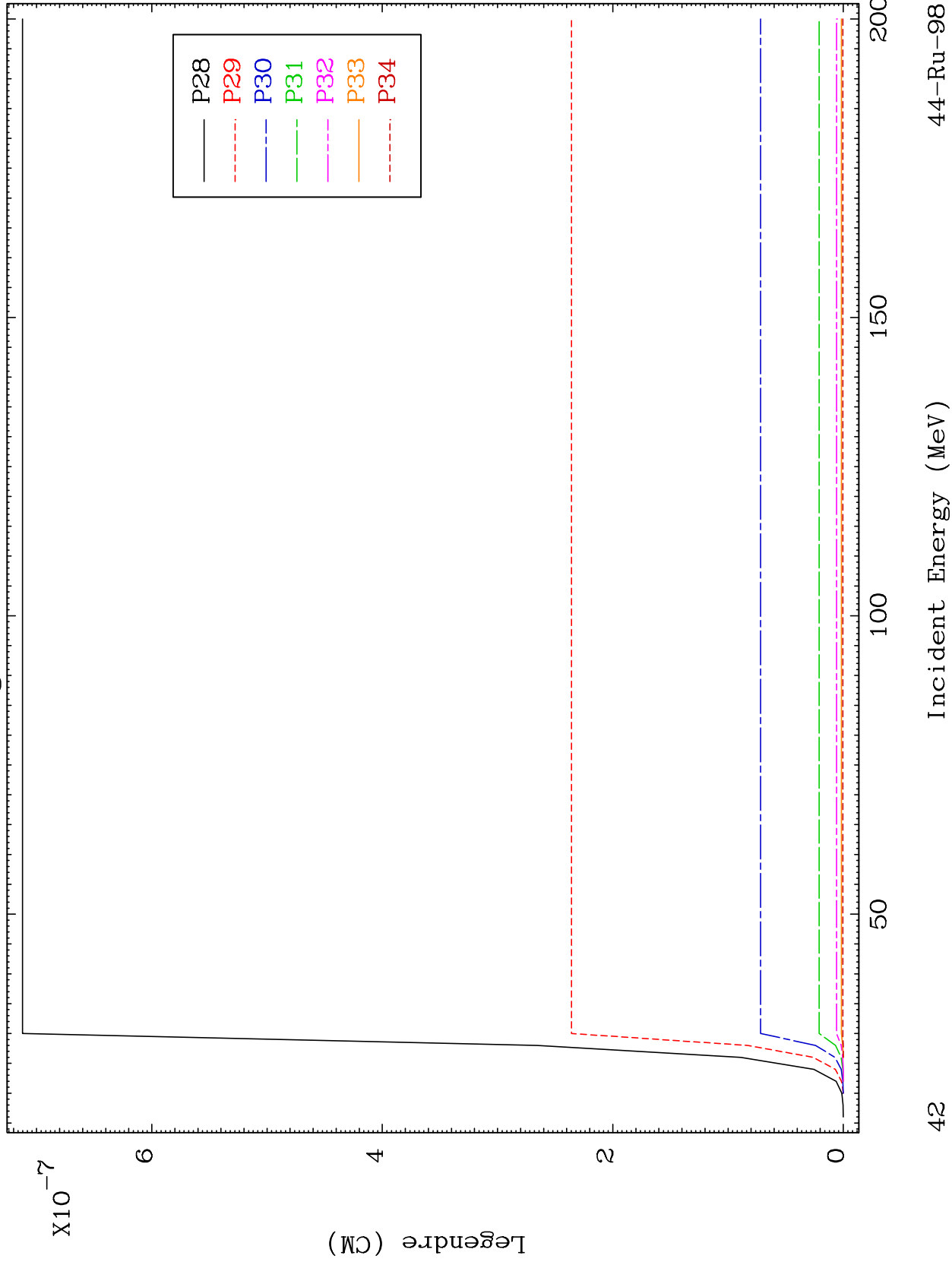
Incident Energy (MeV)

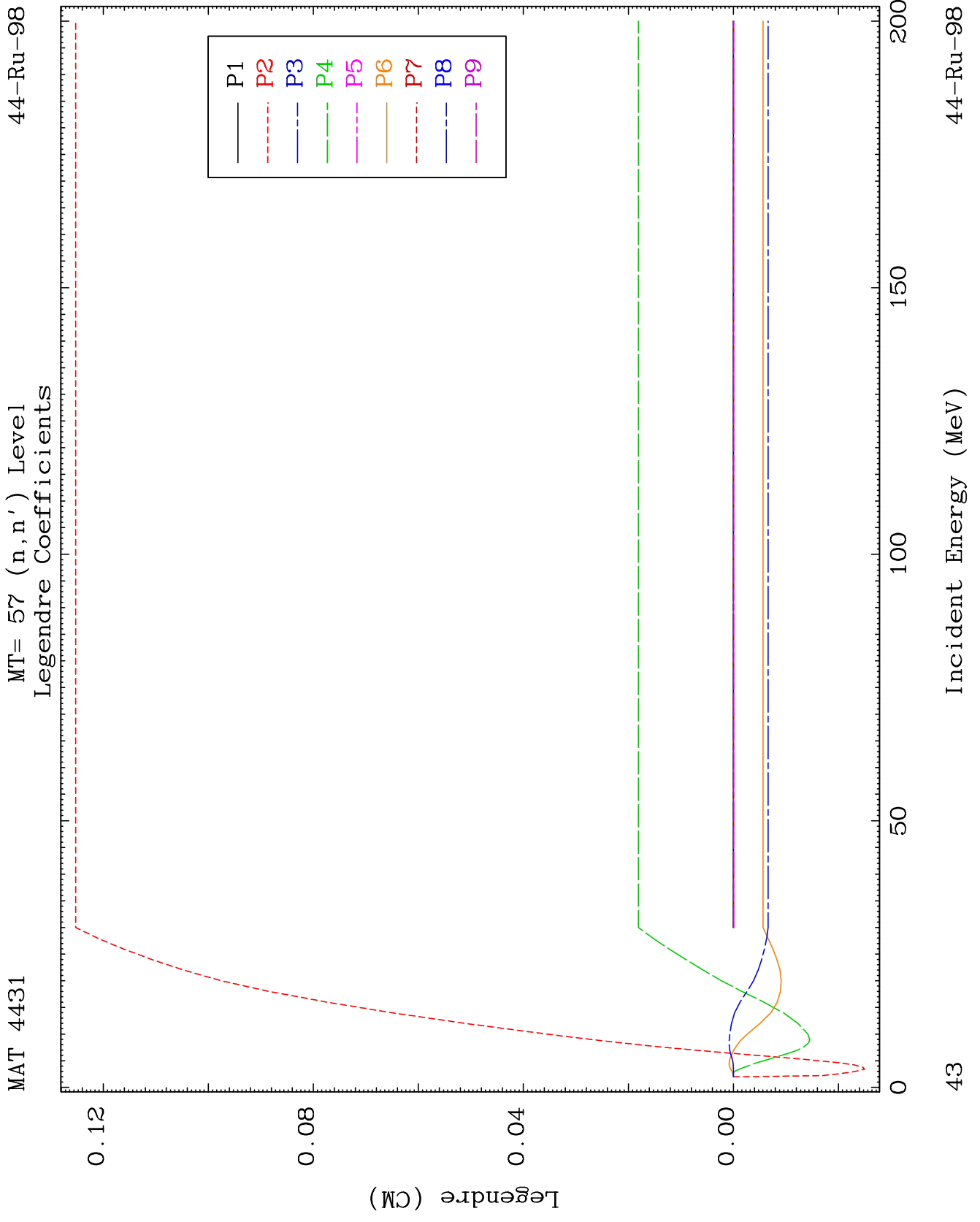
44-Ru-98

MAT 4431

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

44-Ru-98

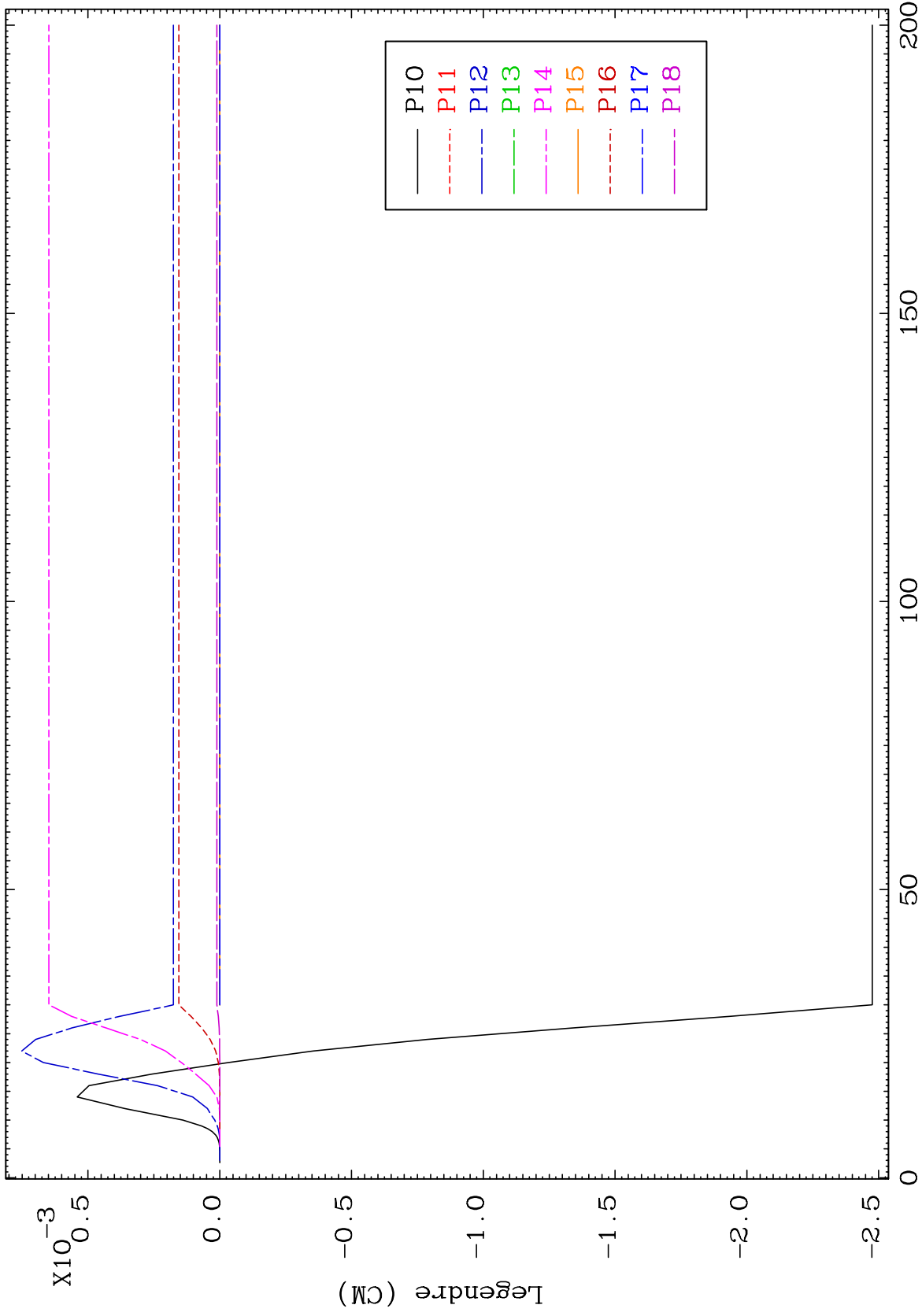




MAT 4431

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

44-Ru-98



44

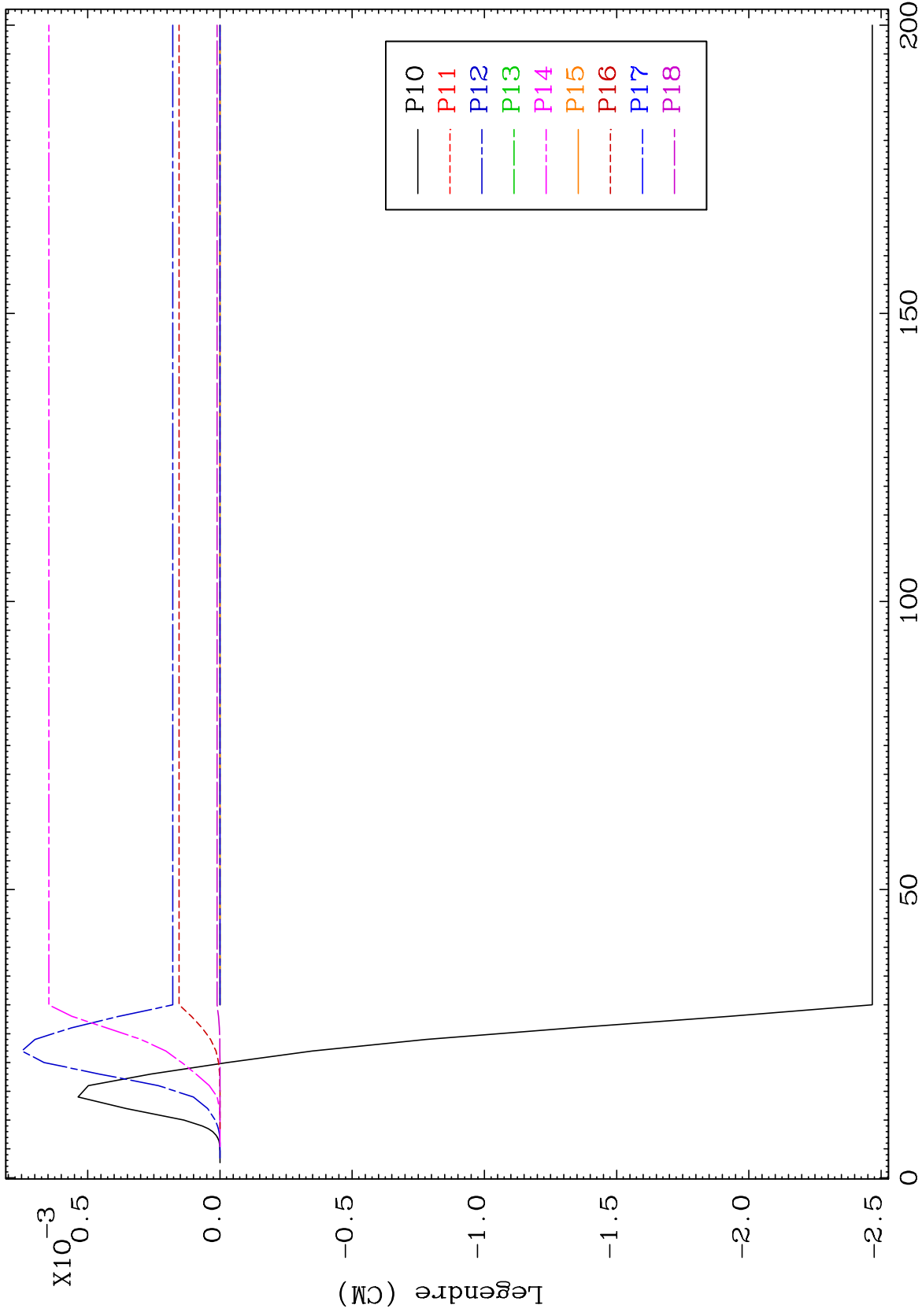
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



47

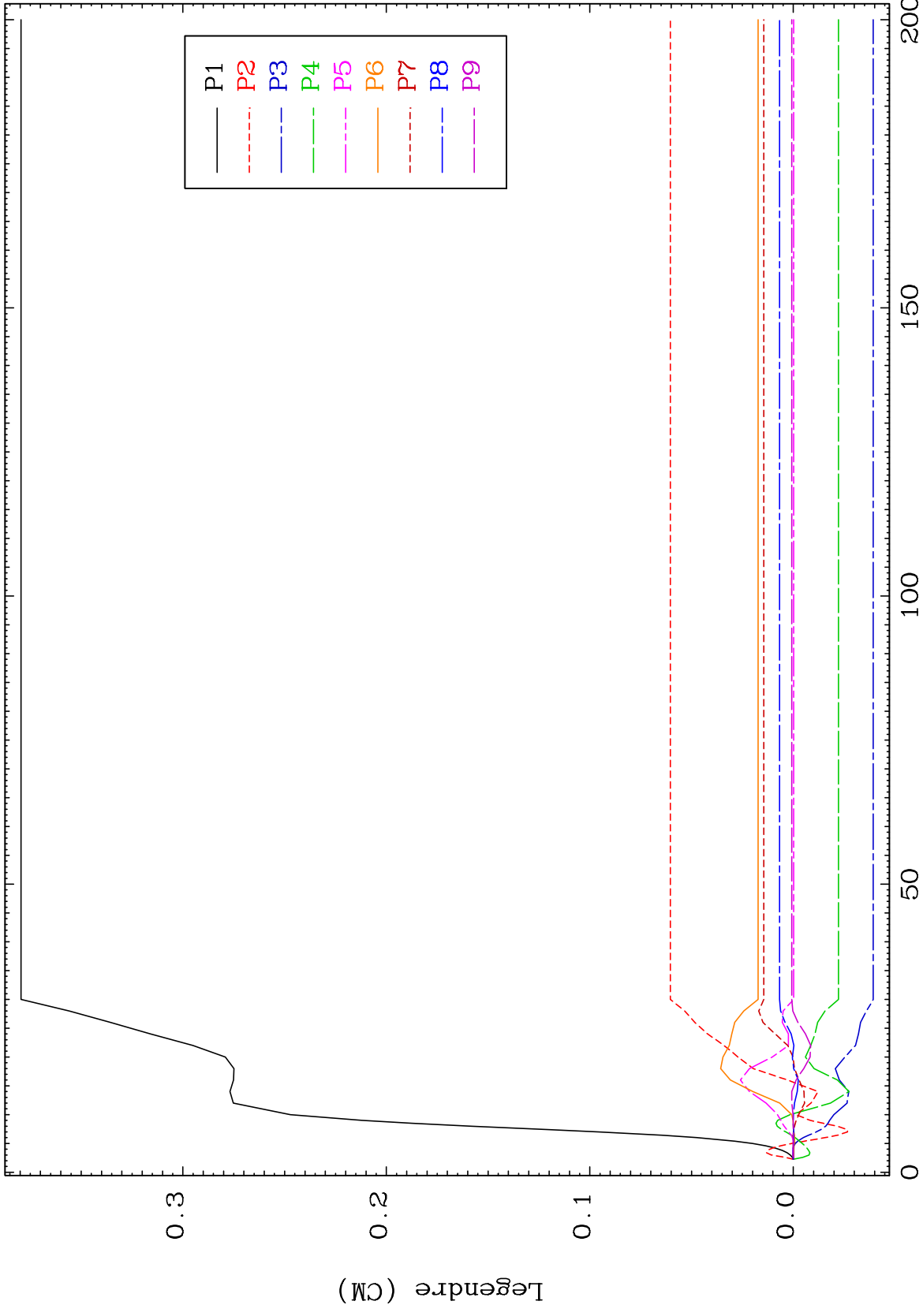
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



49

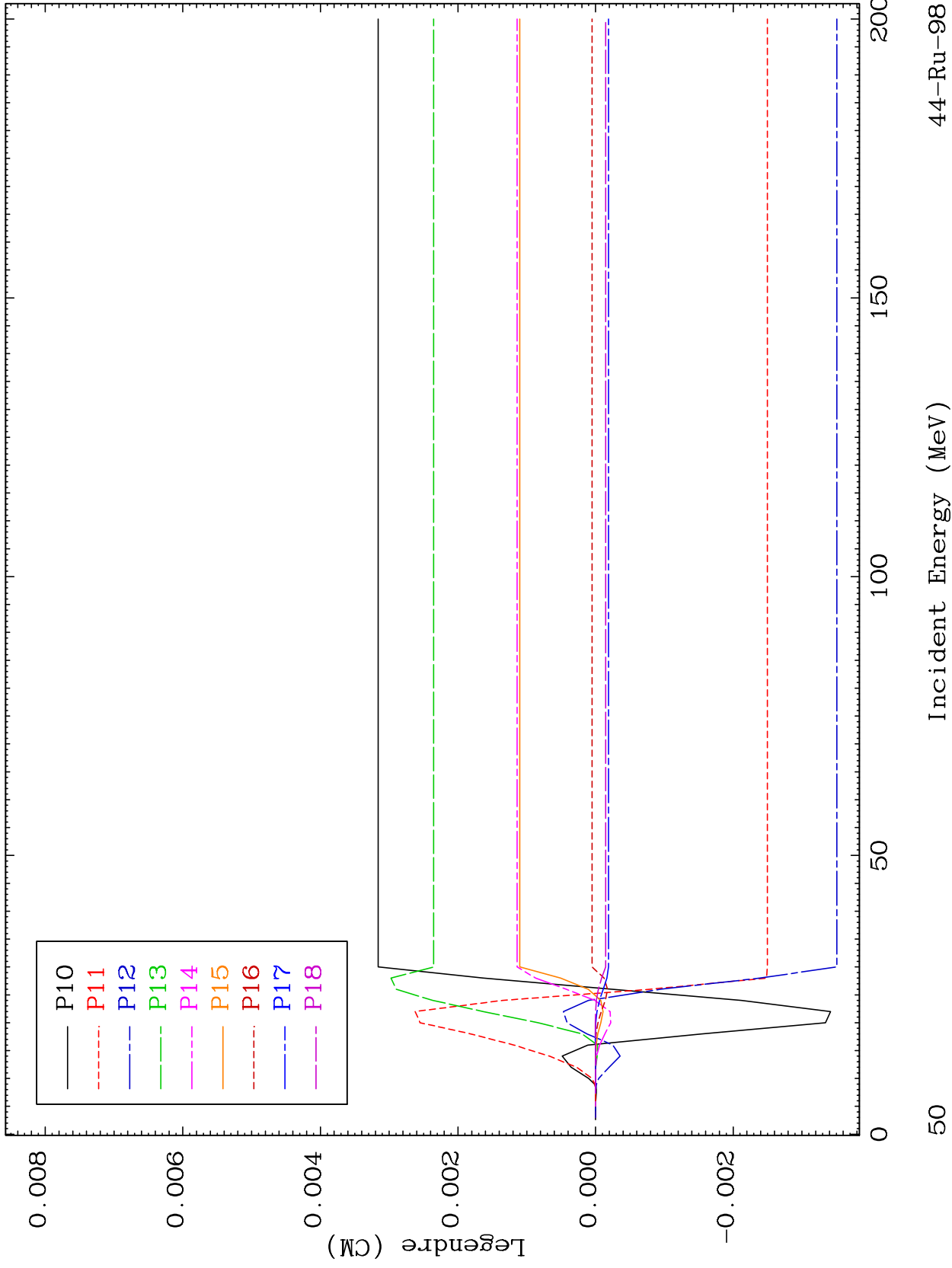
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

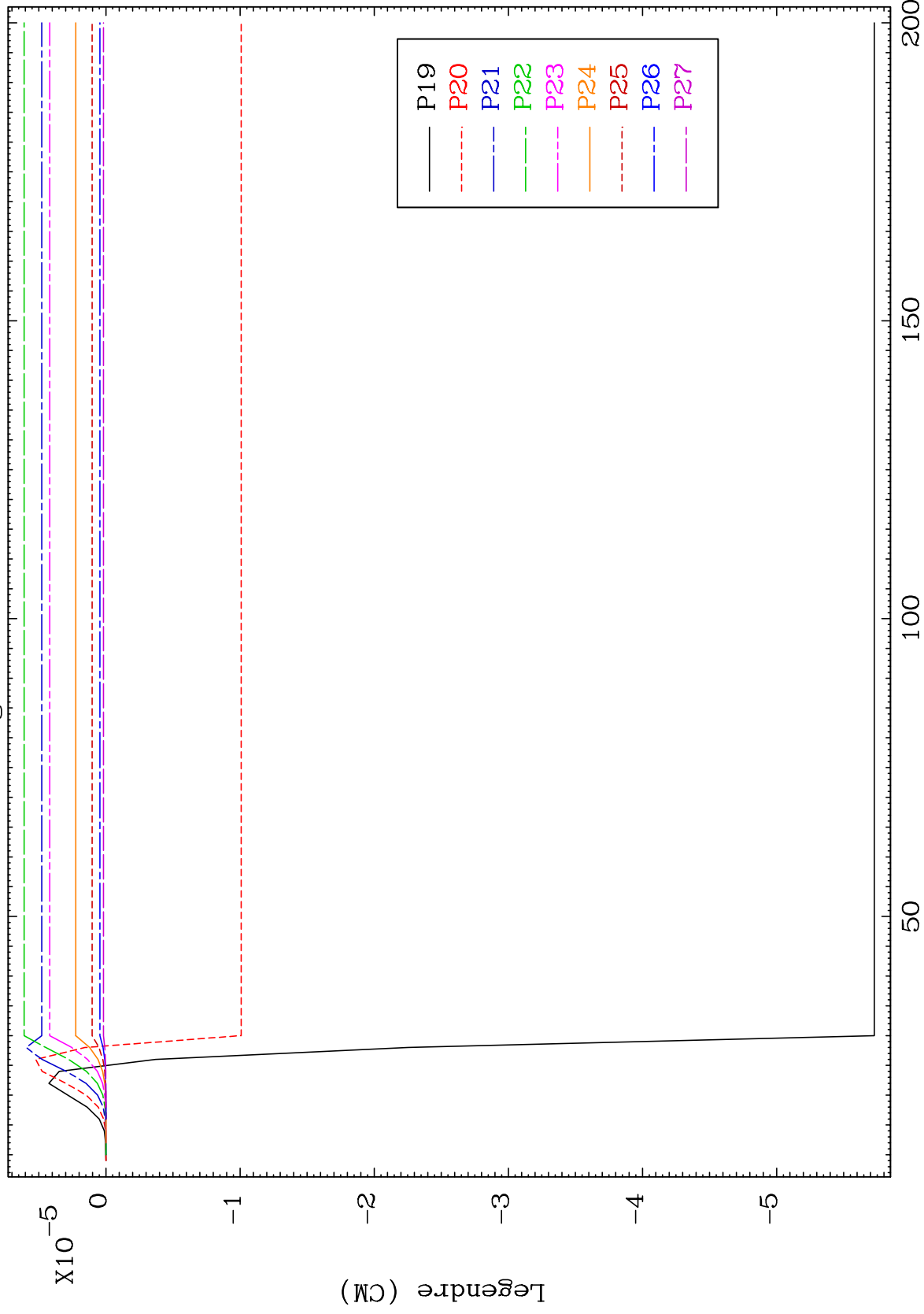
44-Ru-98



44-Ru-98

Incident Energy (MeV)

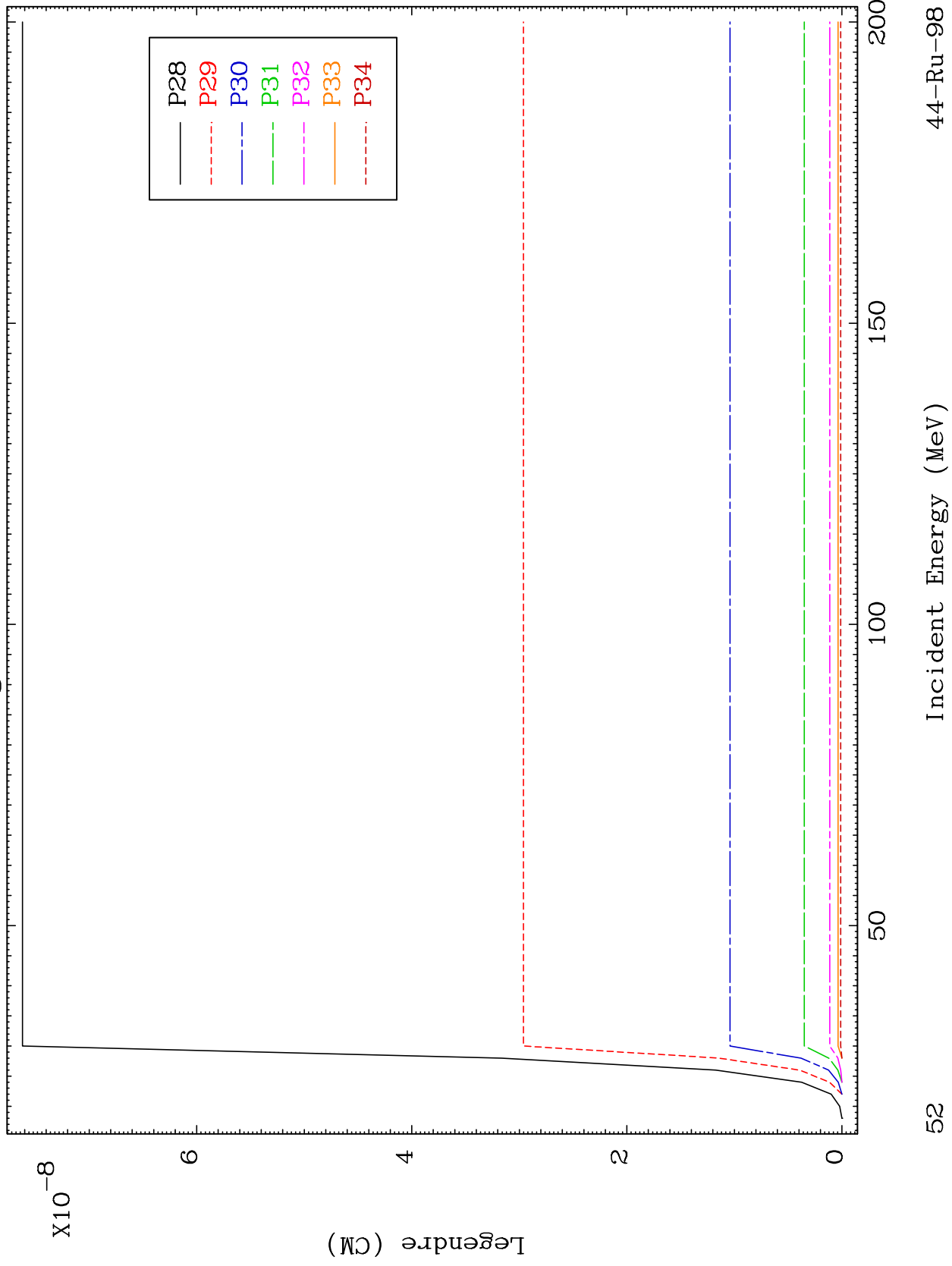
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MAT 4431

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

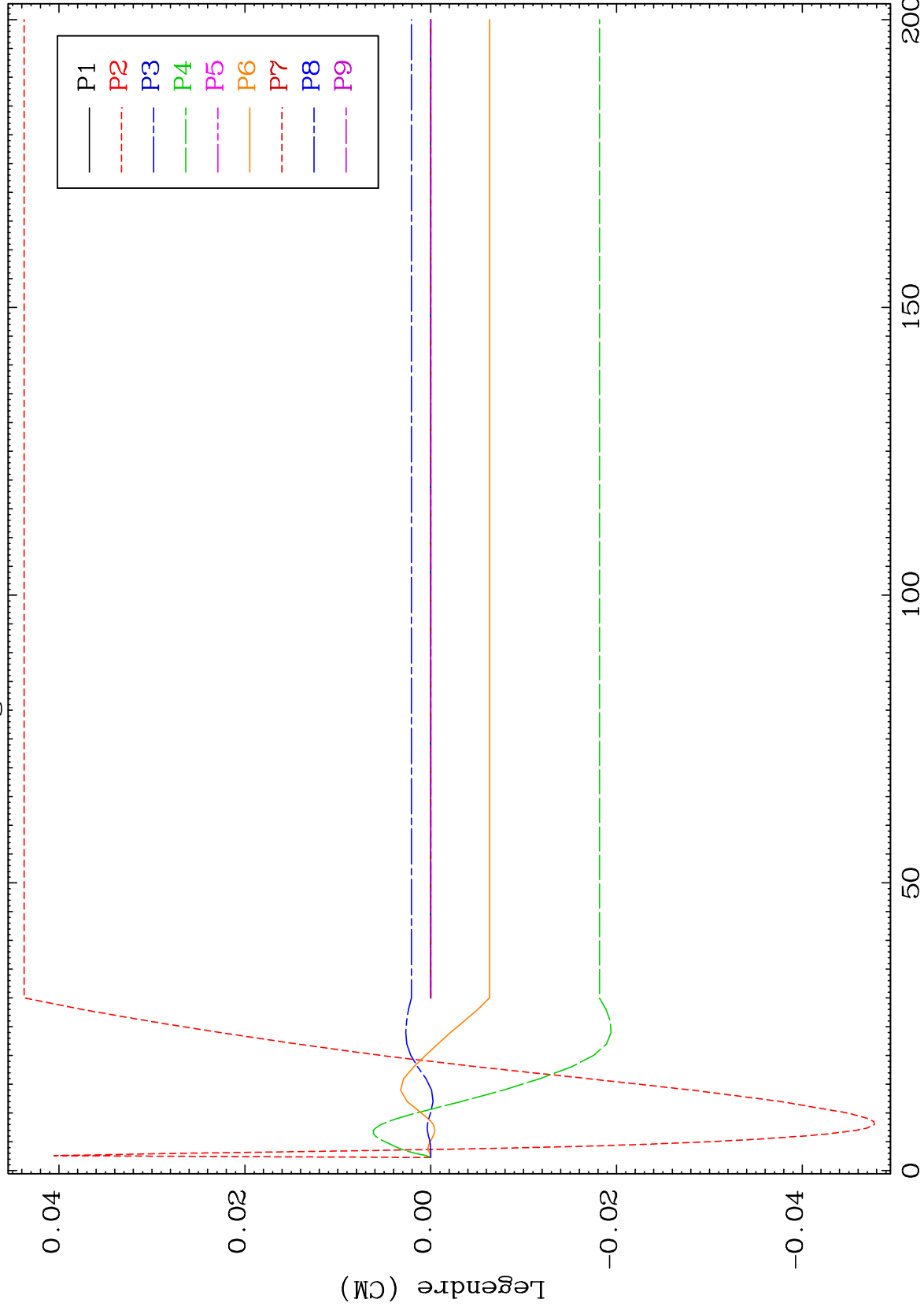
44-Ru-98



MAT 4431

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

44-Ru-98



53

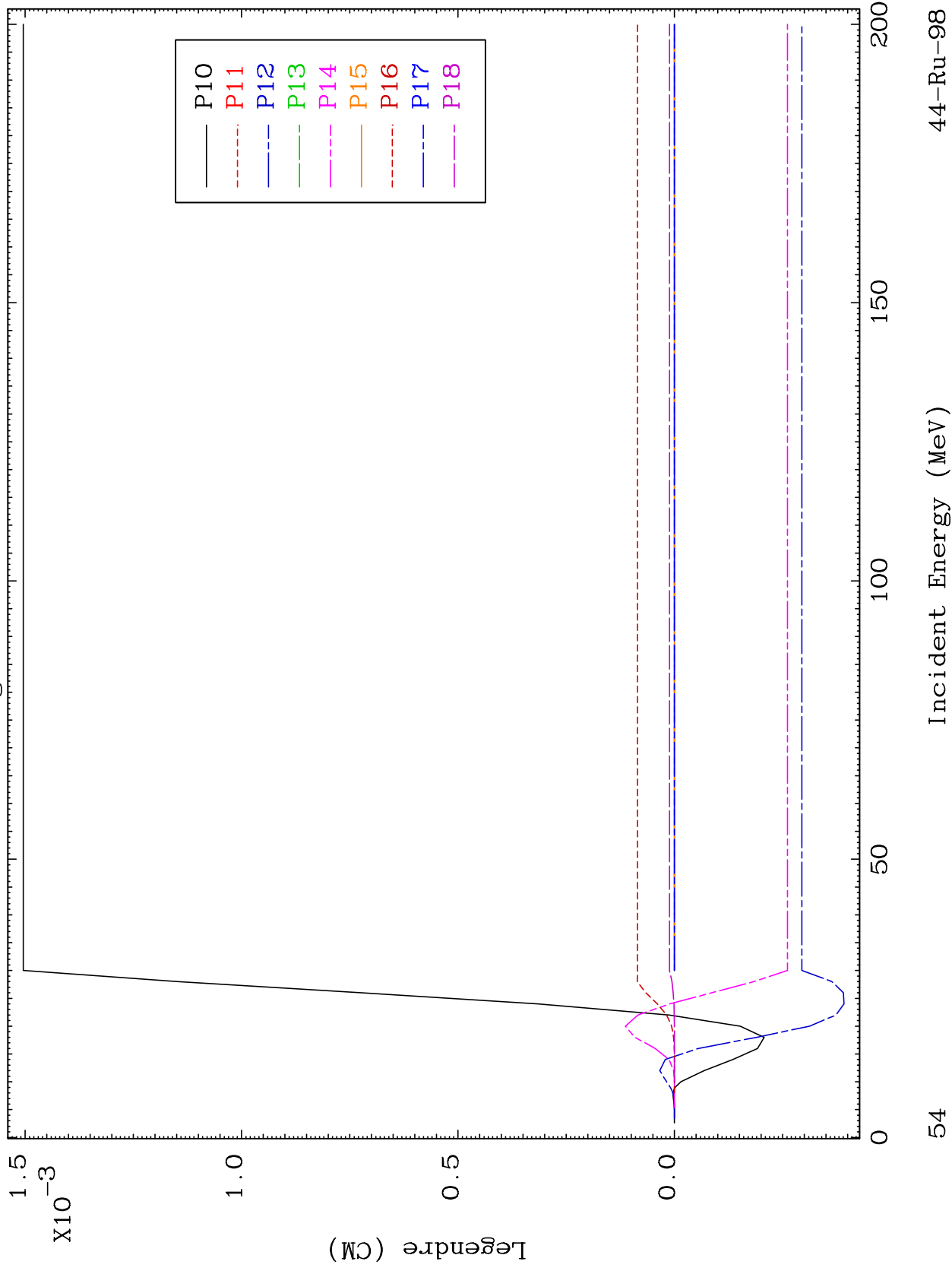
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

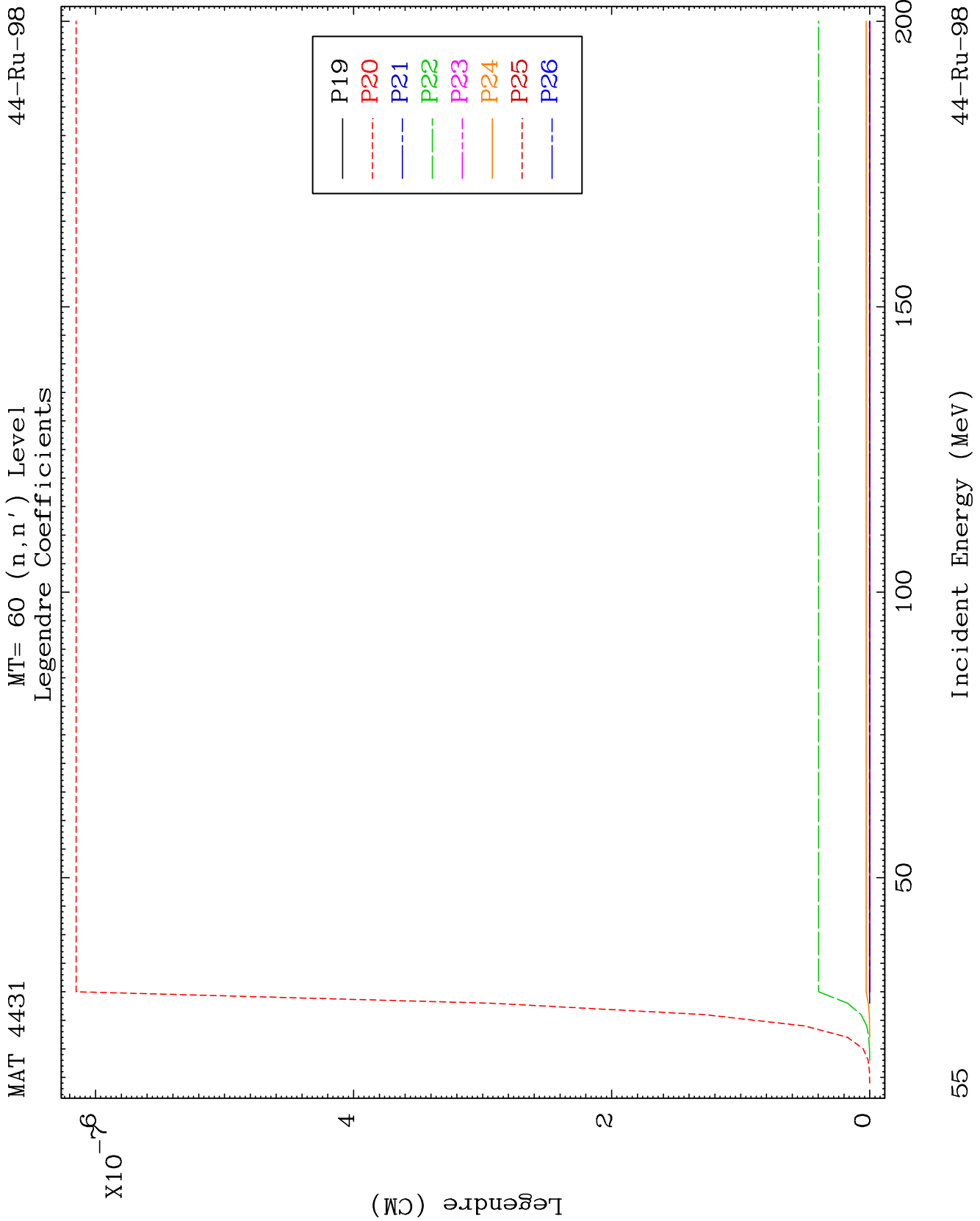
44-Ru-98



54

Incident Energy (MeV)

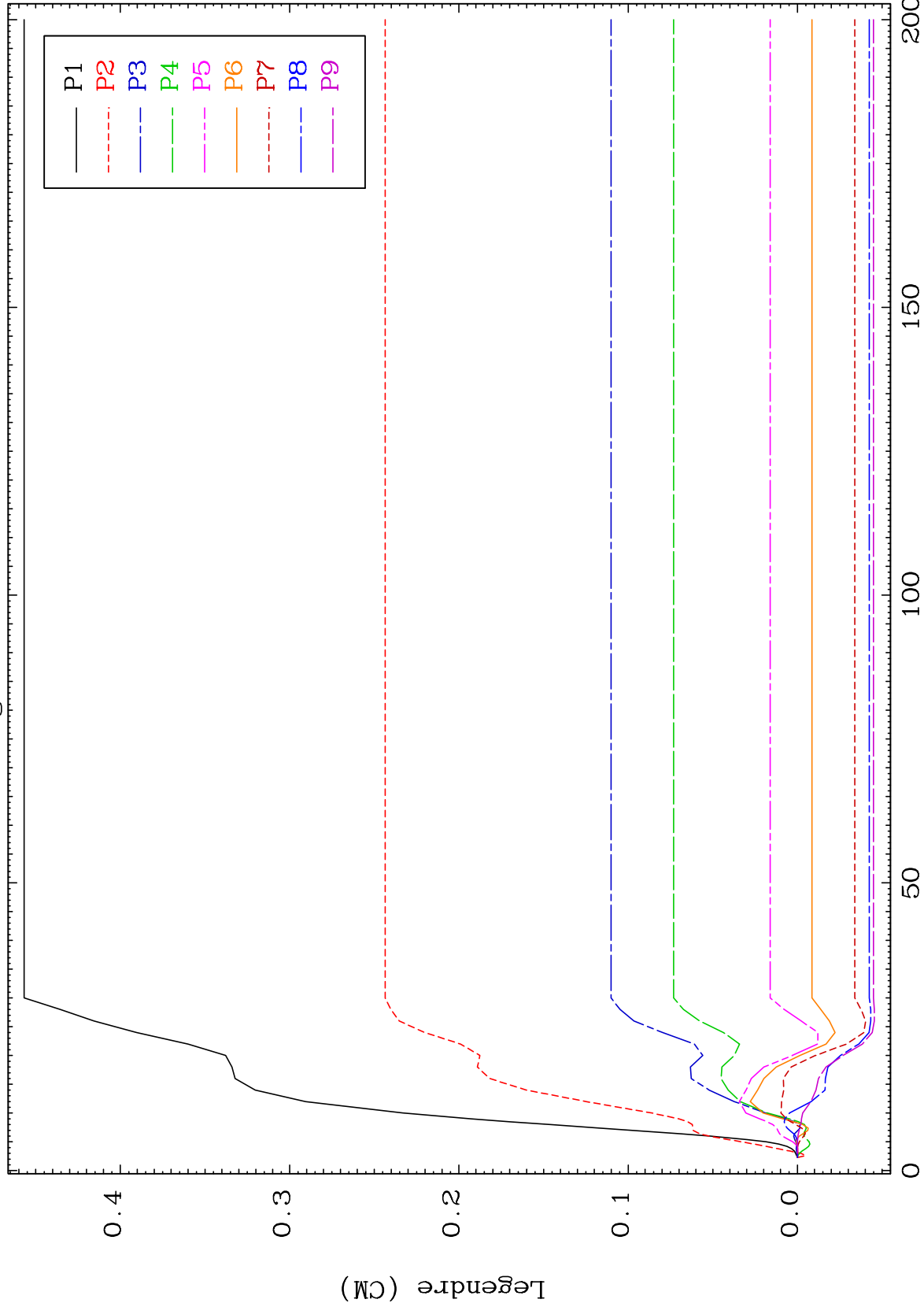
44-Ru-98



MAT 4431

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

44-Ru-98



56

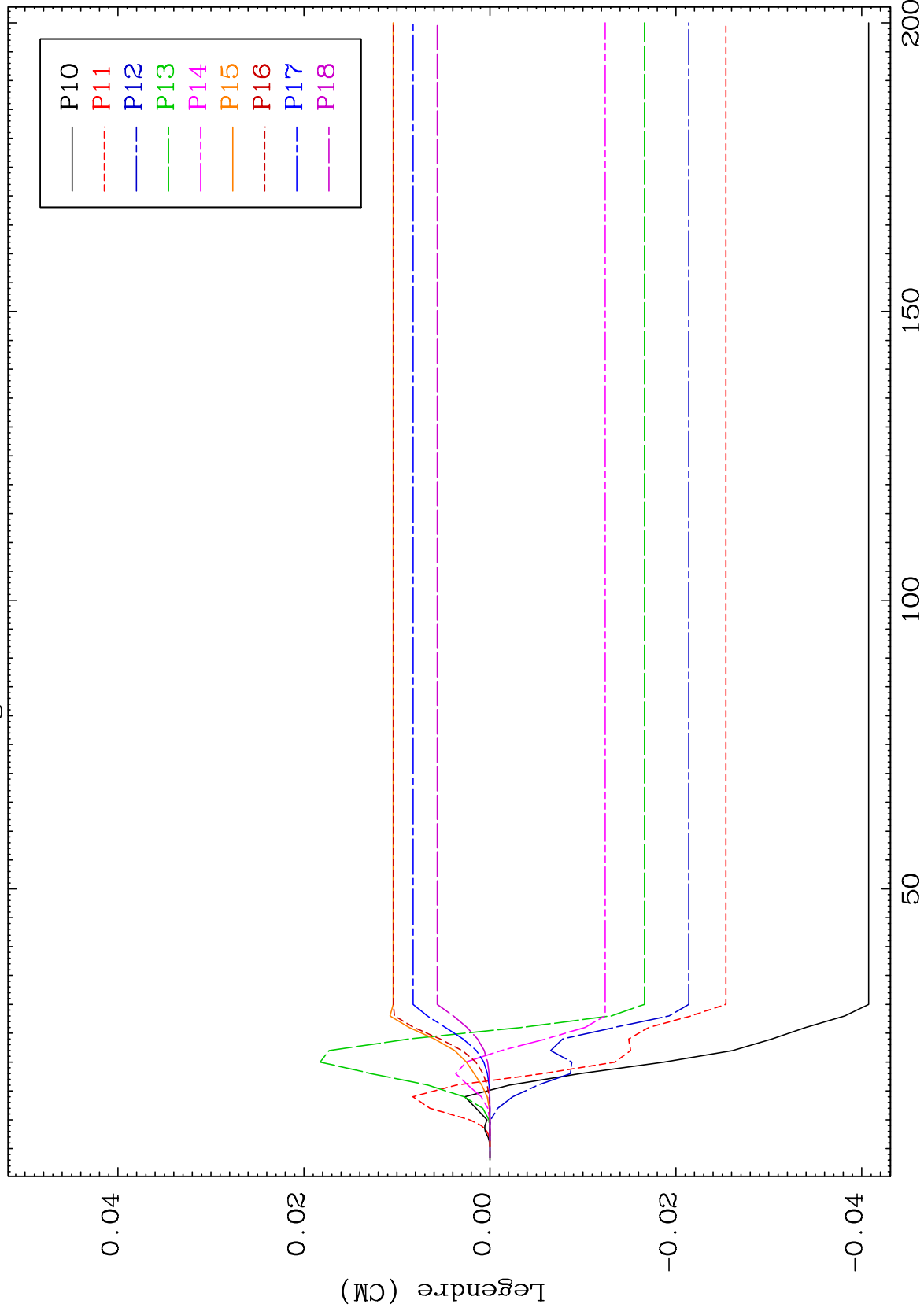
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



57

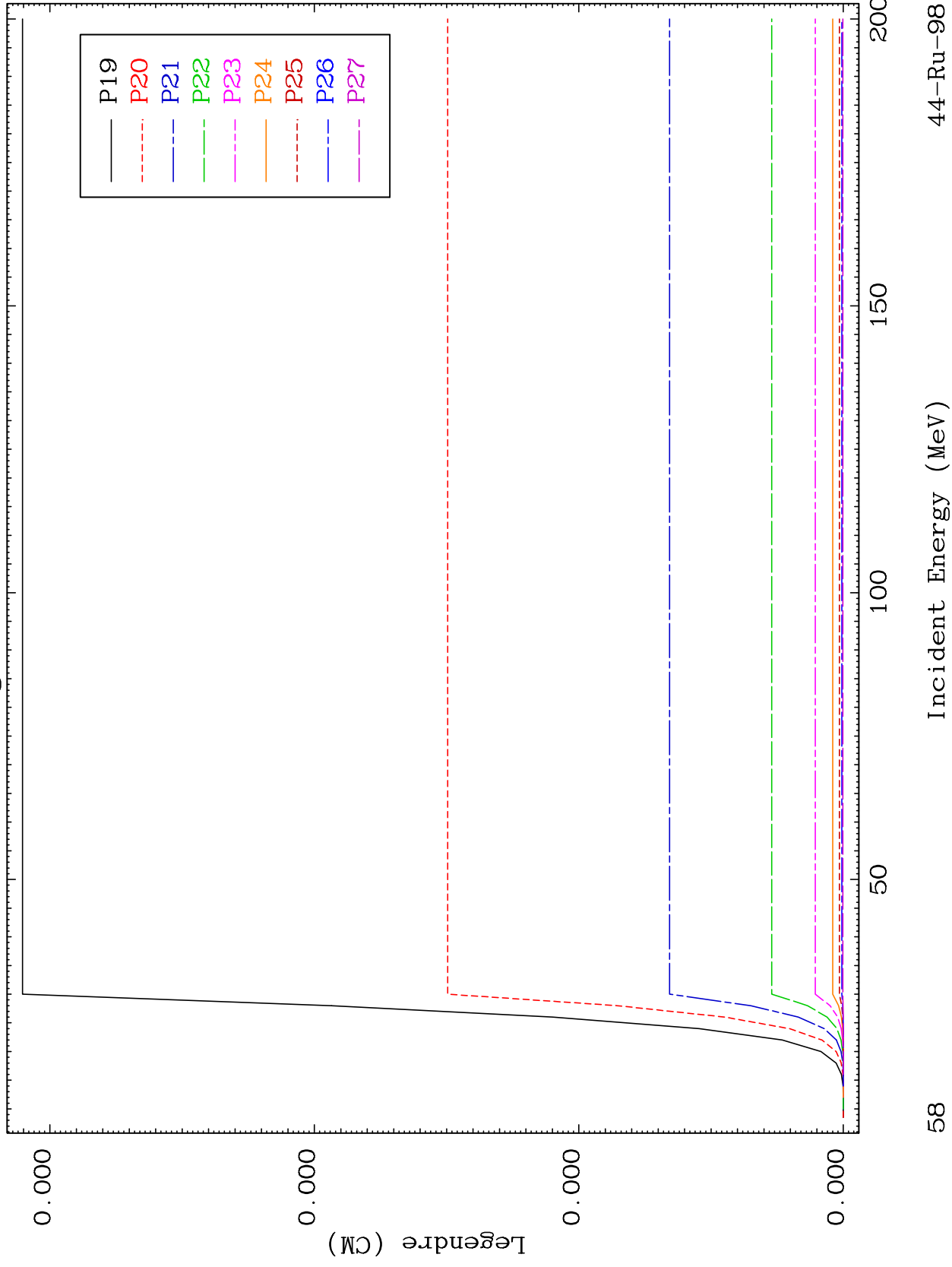
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



58

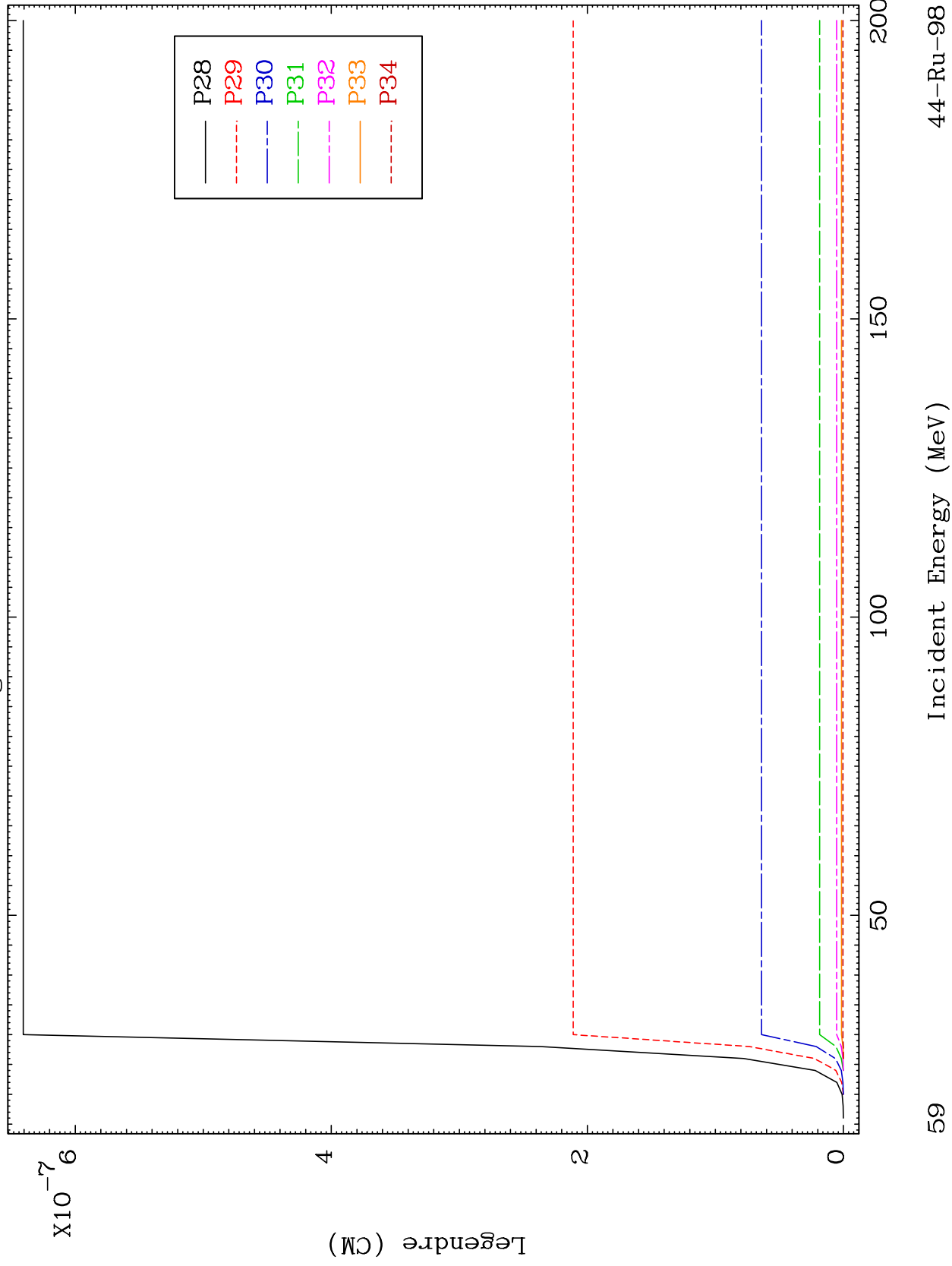
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



59

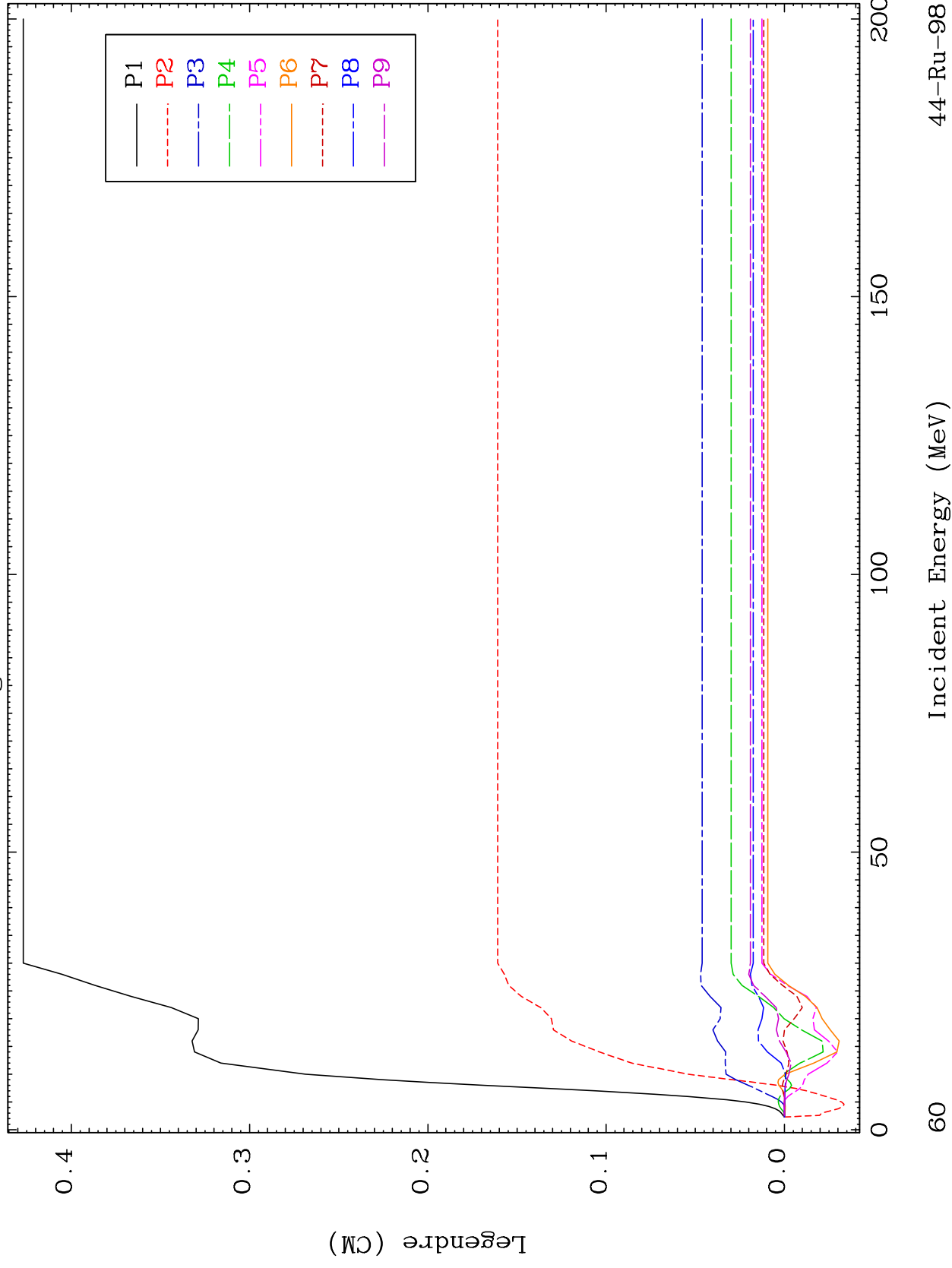
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



44-Ru-98

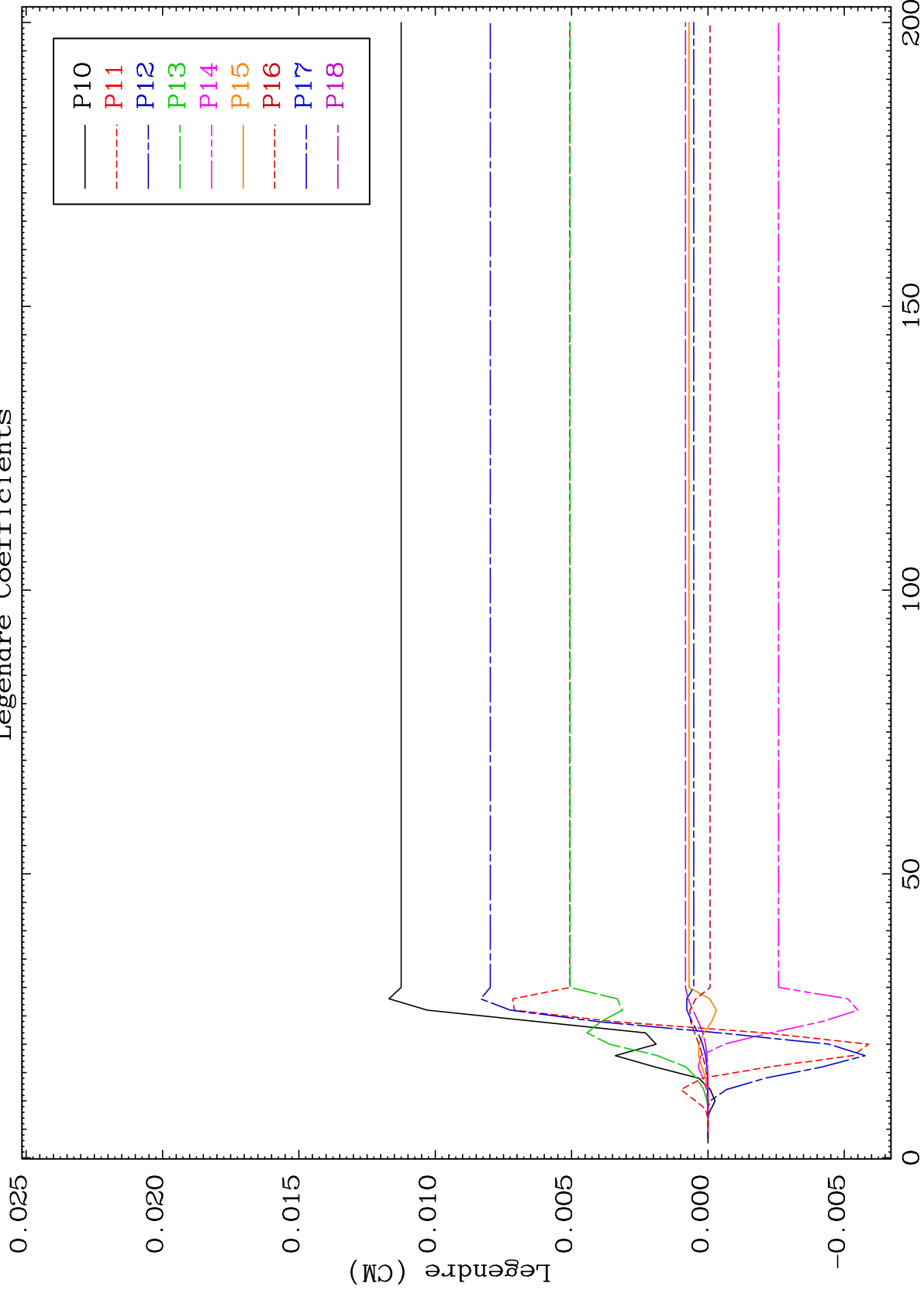
Incident Energy (MeV)

60

MAT 4431

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

44-Ru-98



61

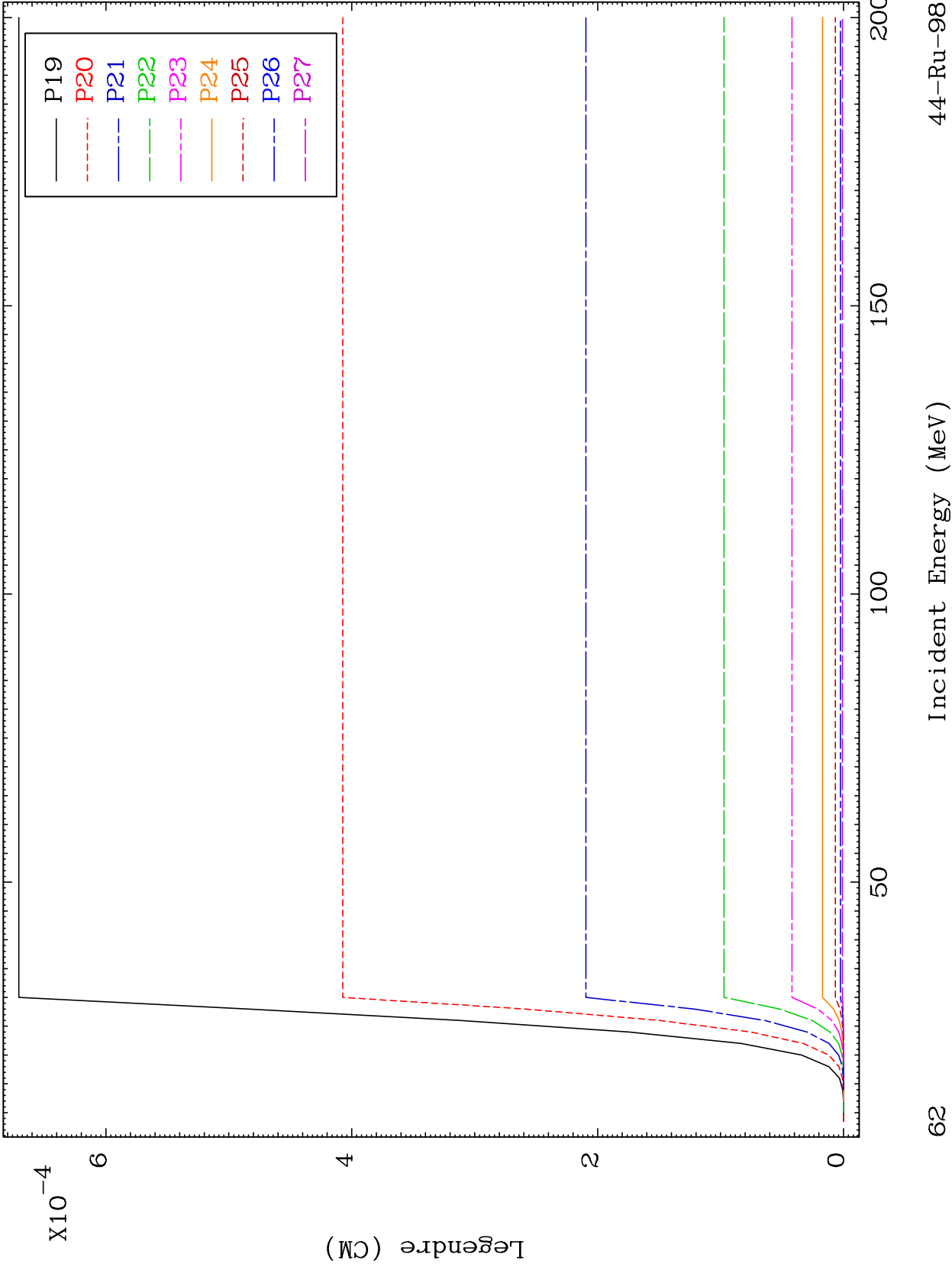
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



62

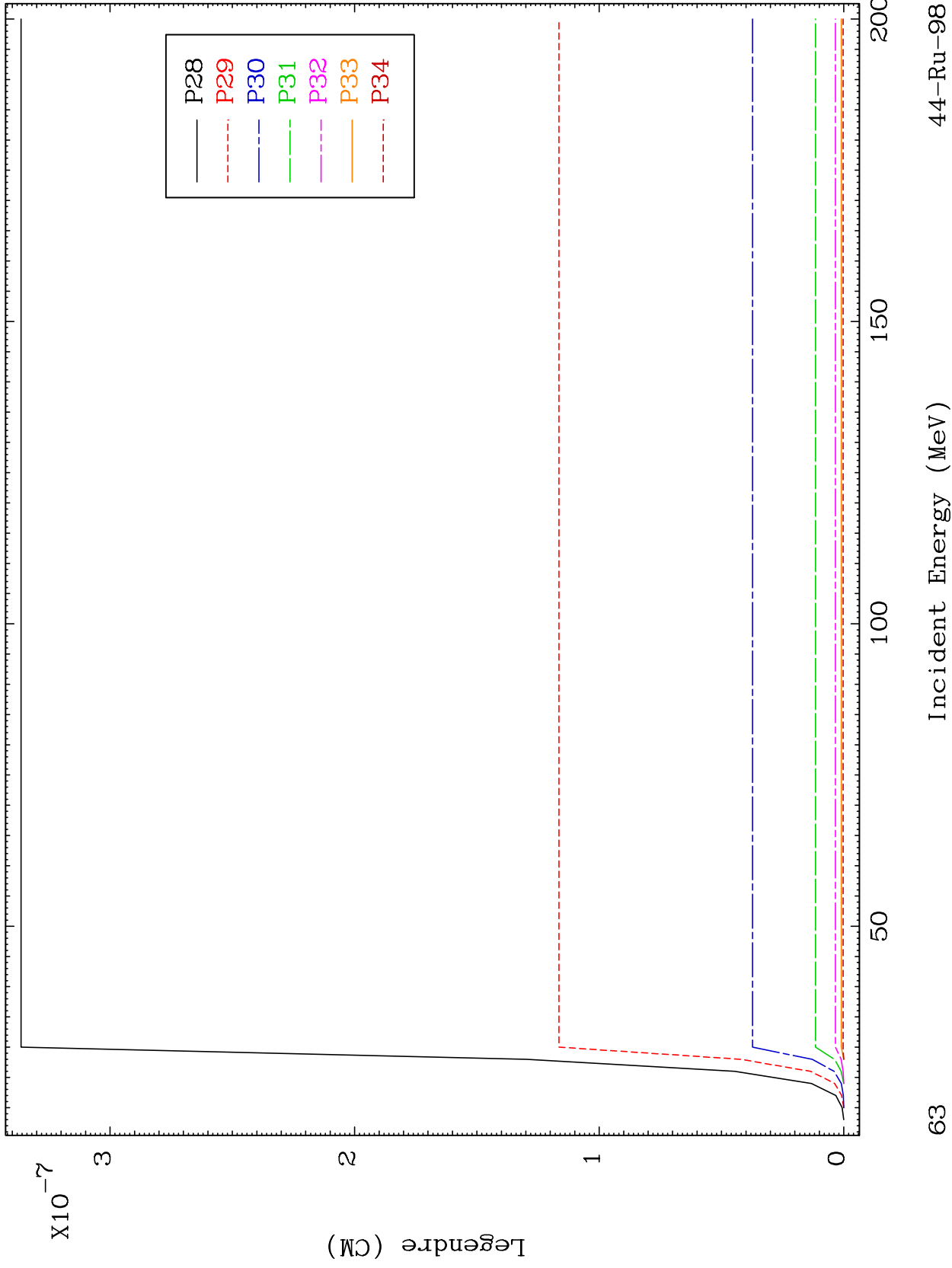
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

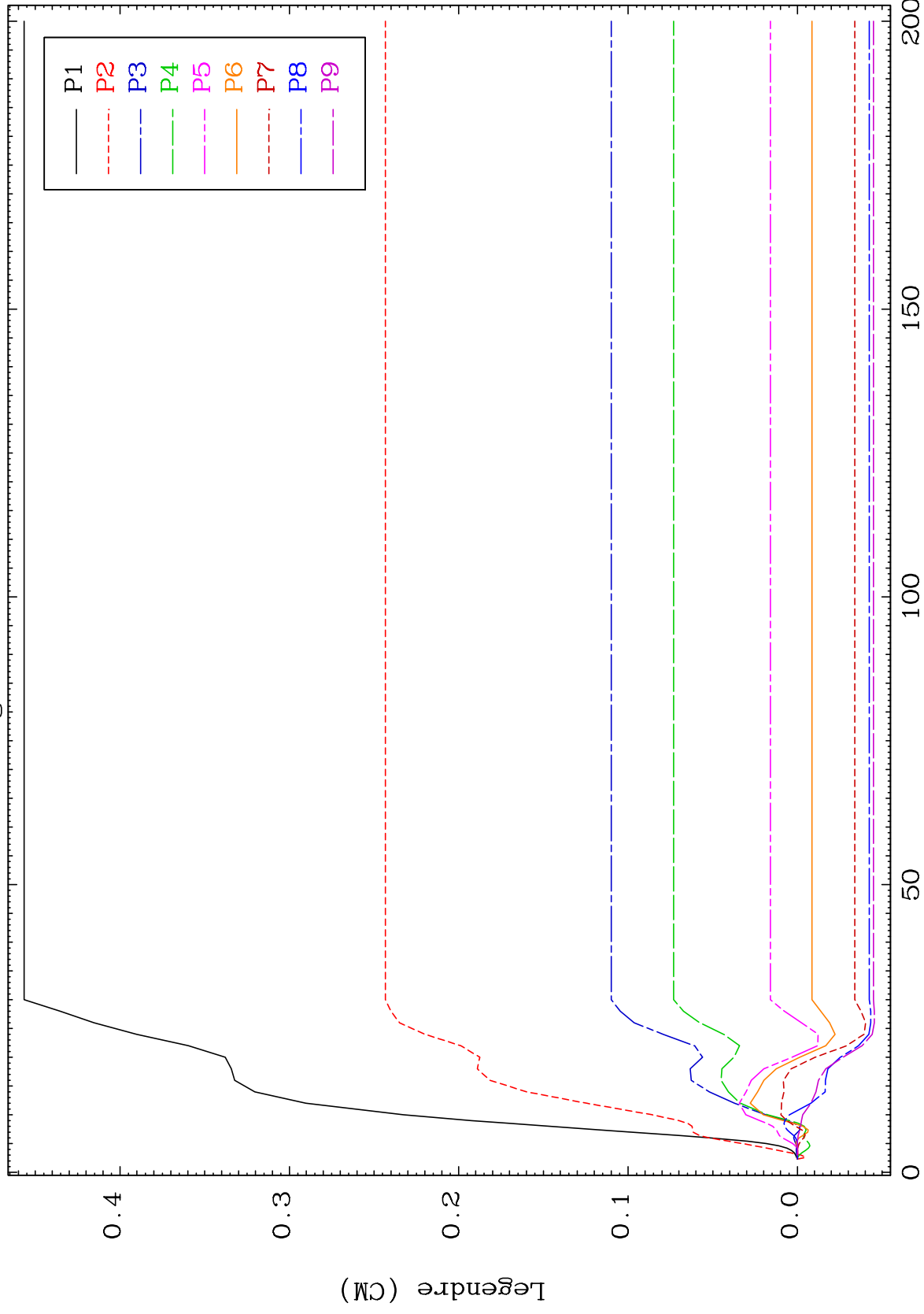
44-Ru-98



MAT 4431

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

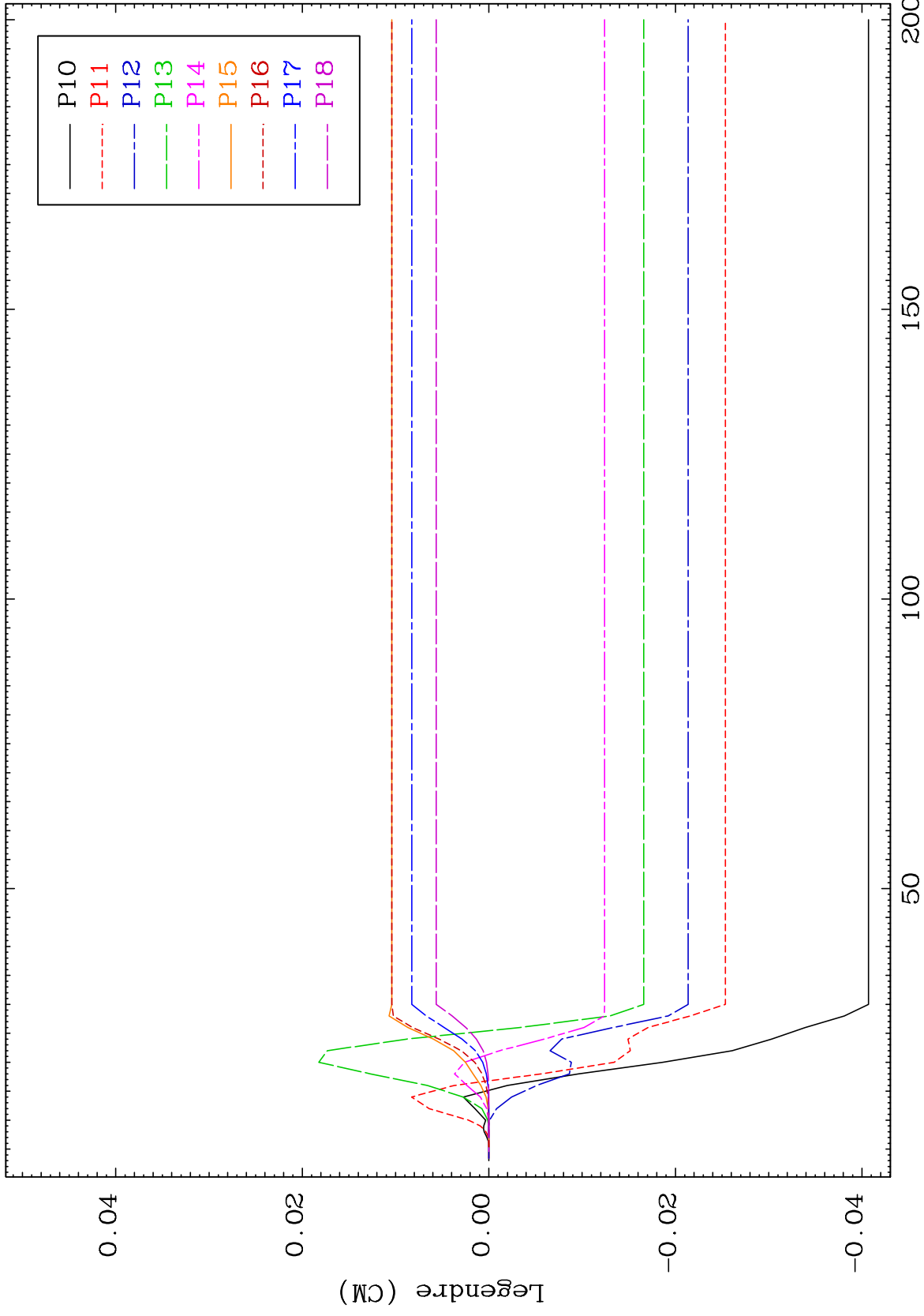
44-Ru-98



MAT 4431

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

44-Ru-98



65

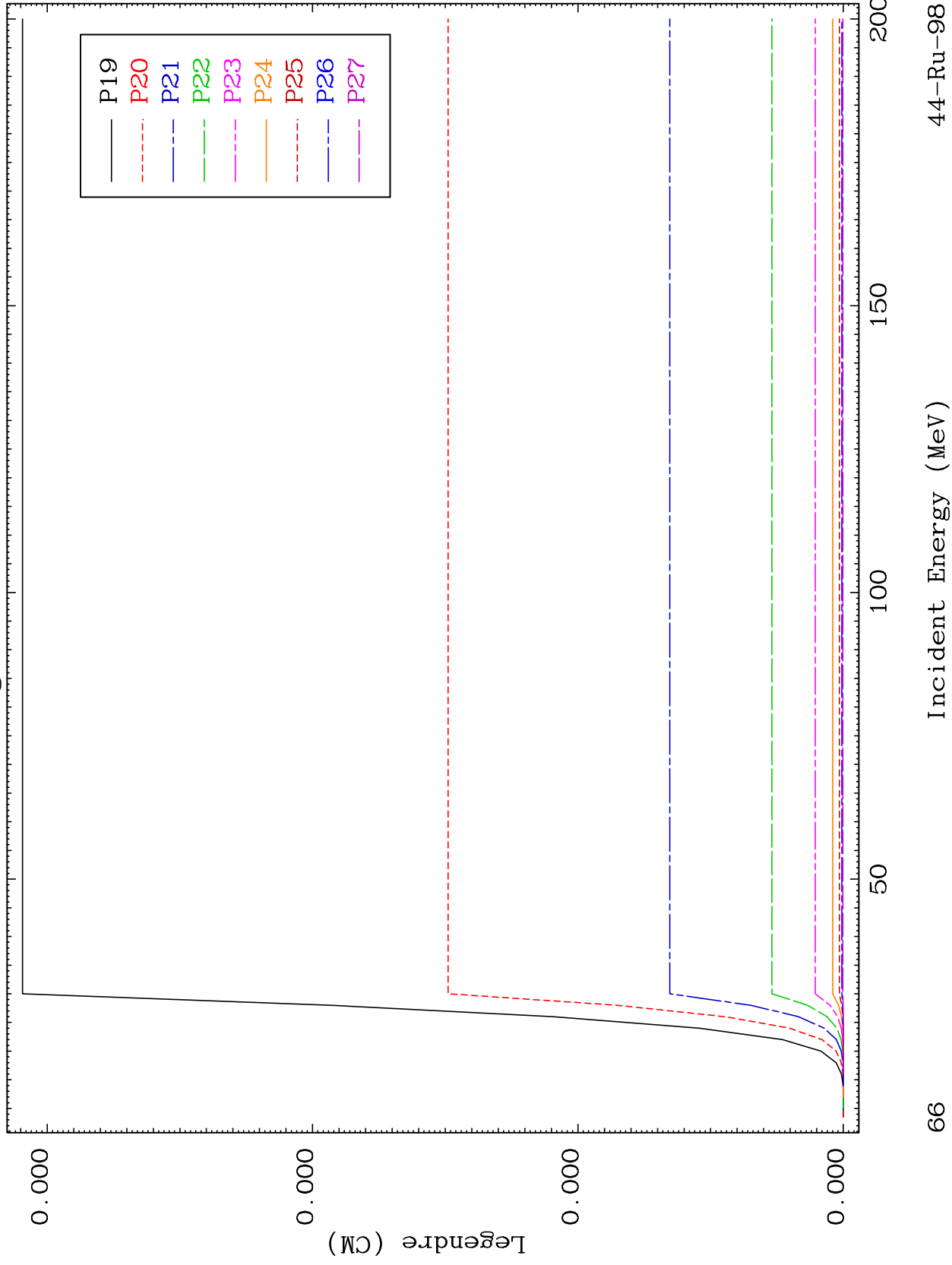
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



66

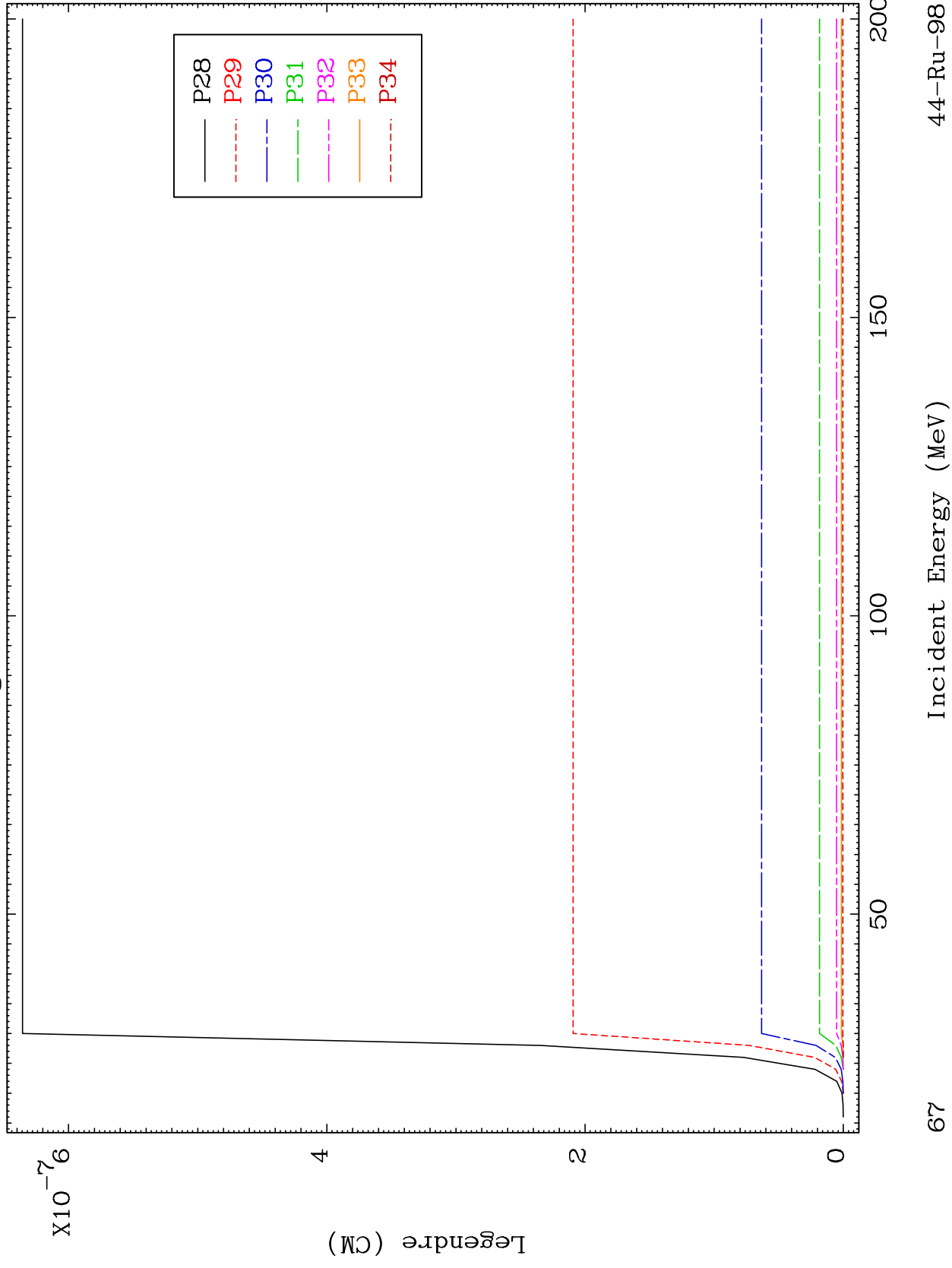
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

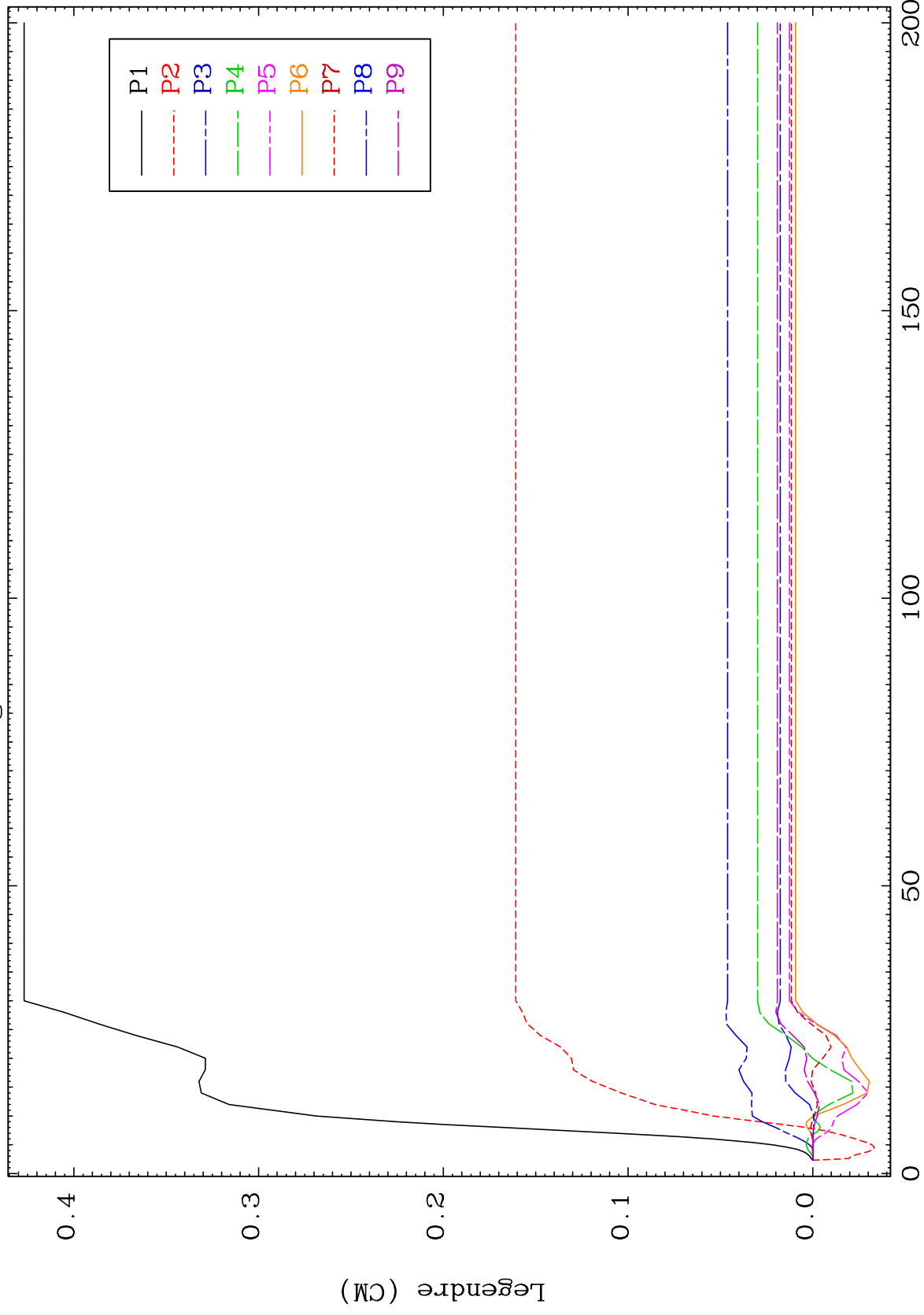
44-Ru-98



MAT 4431

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

44-Ru-98



68

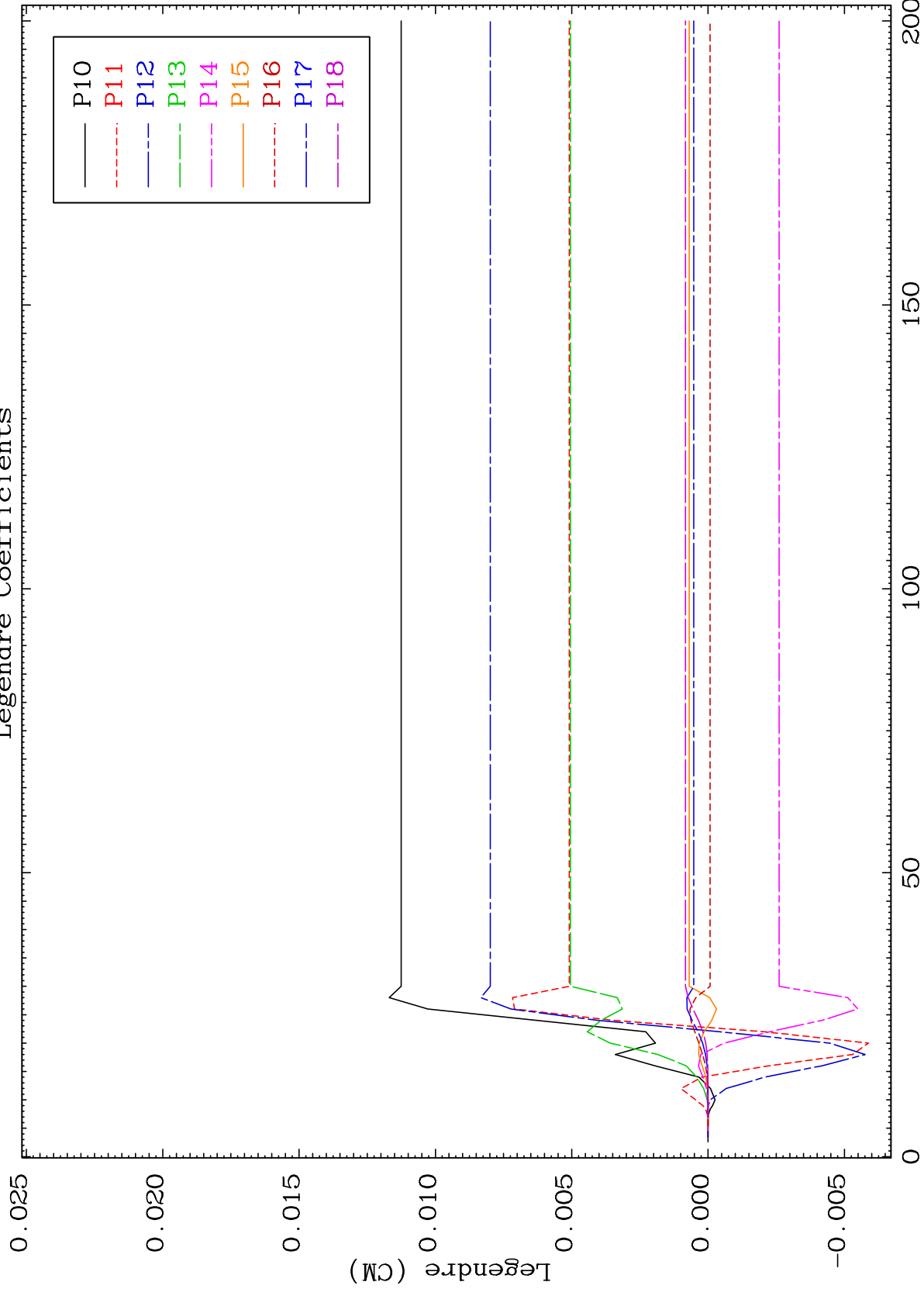
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



69

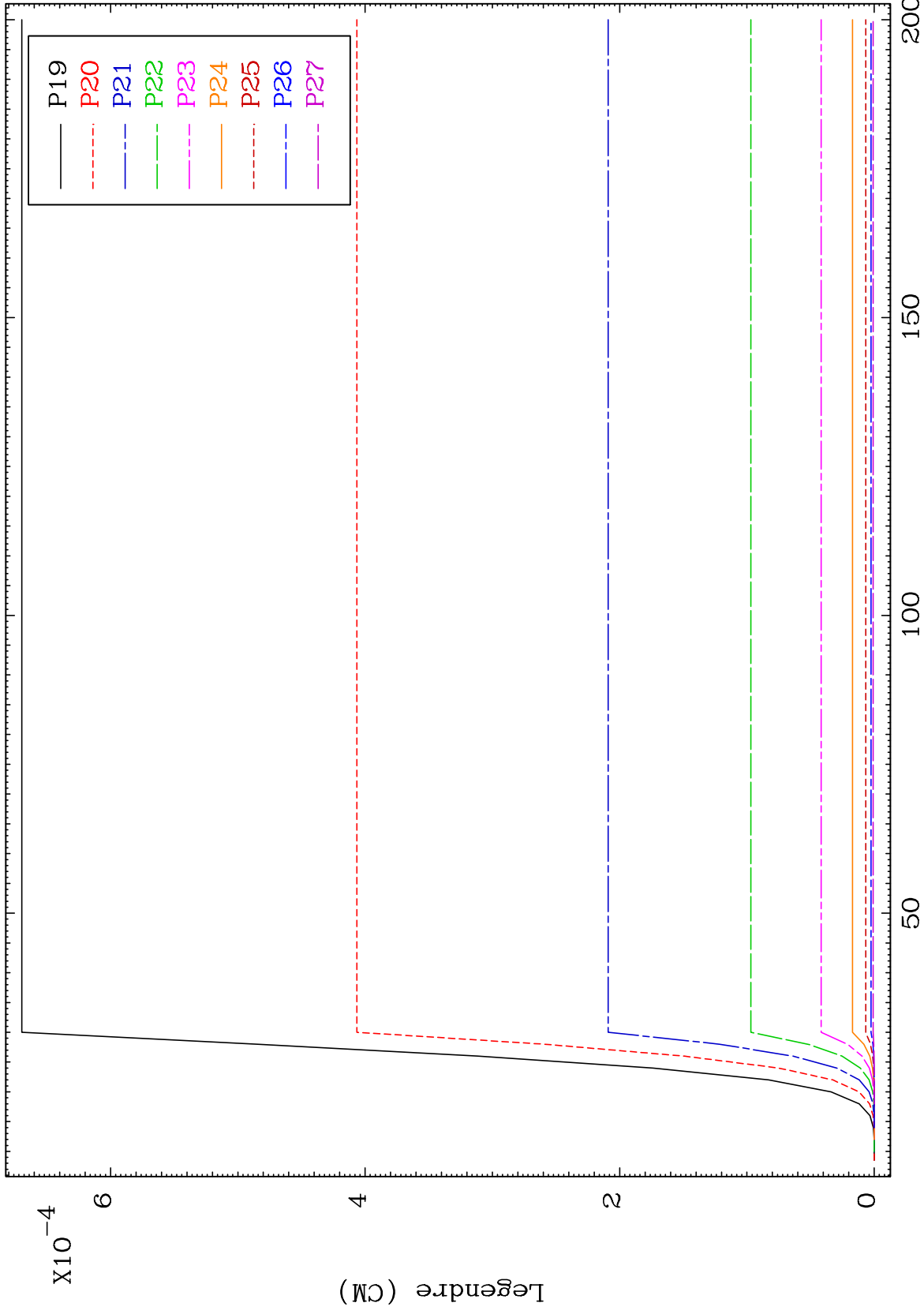
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



70

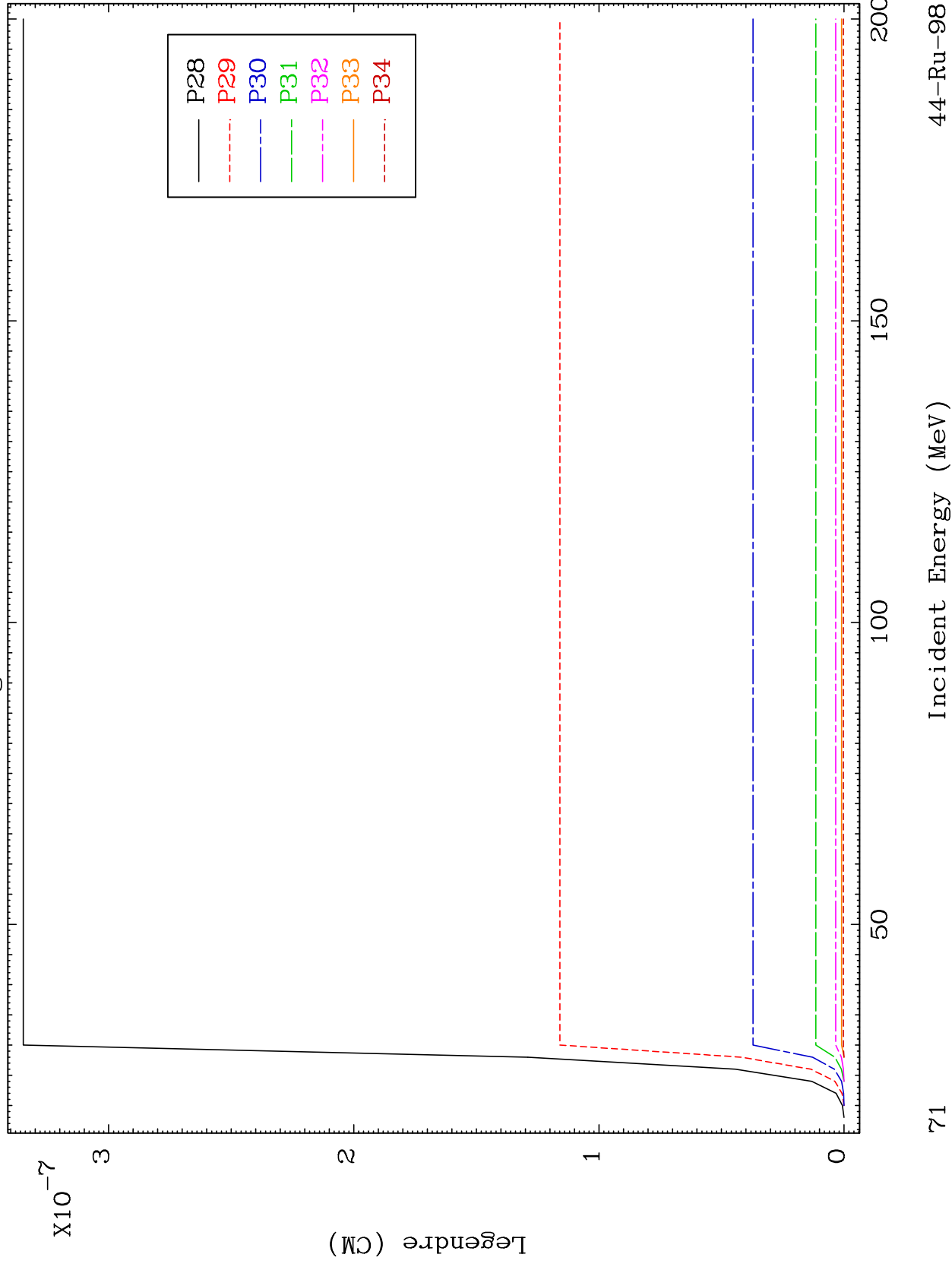
Incident Energy (MeV)

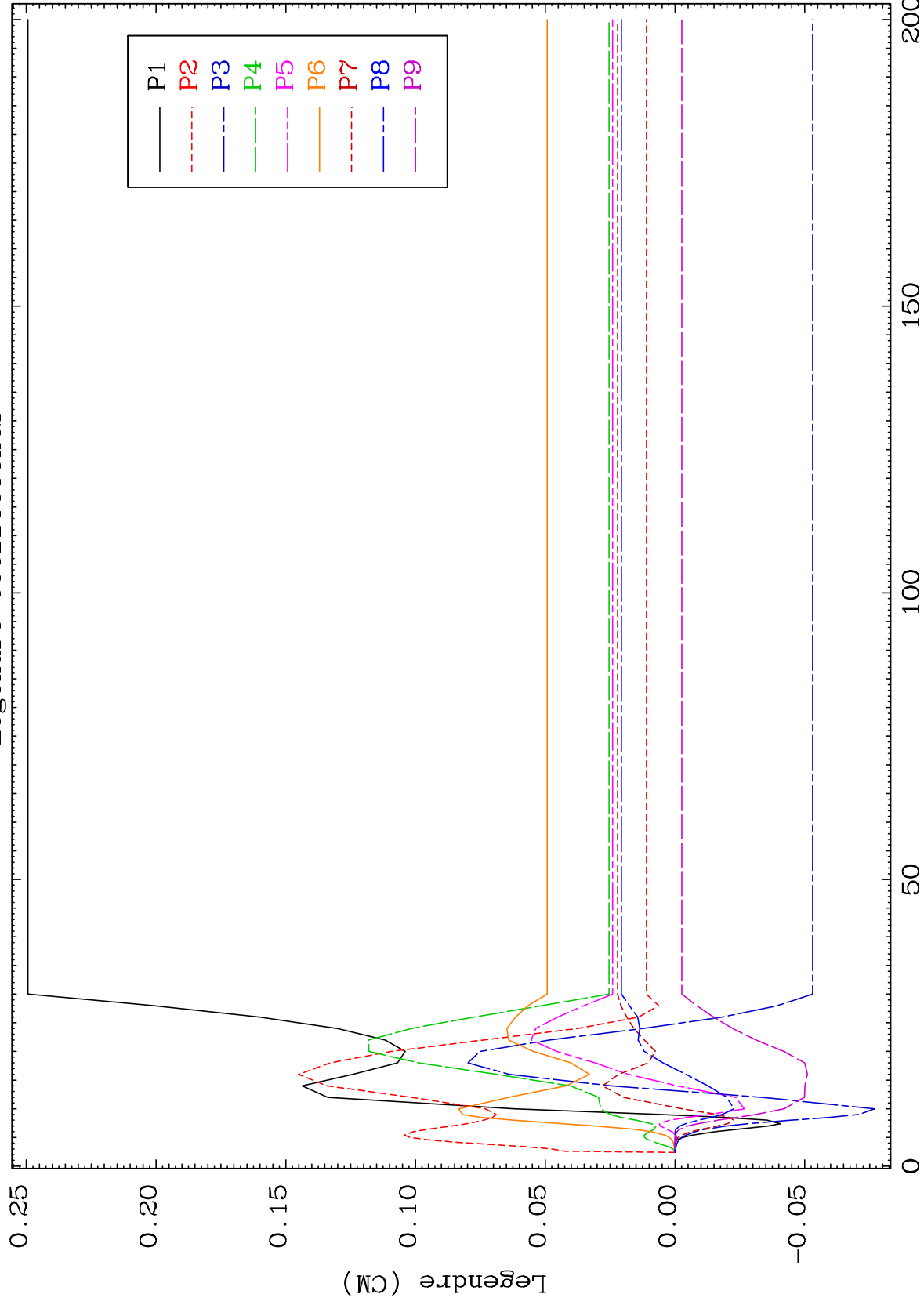
44-Ru-98

MAT 4431

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

44-Ru-98

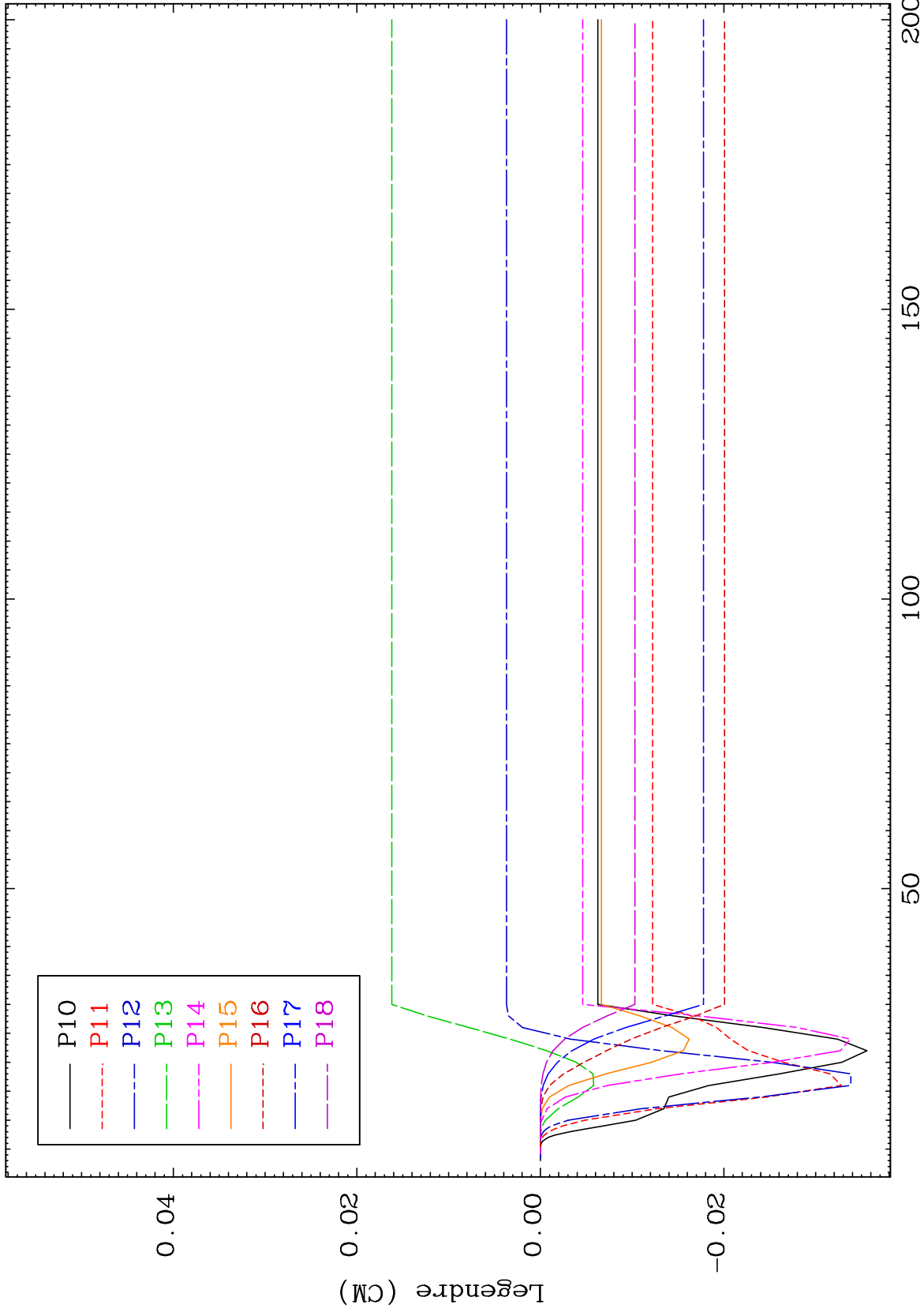




MAT 4431

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

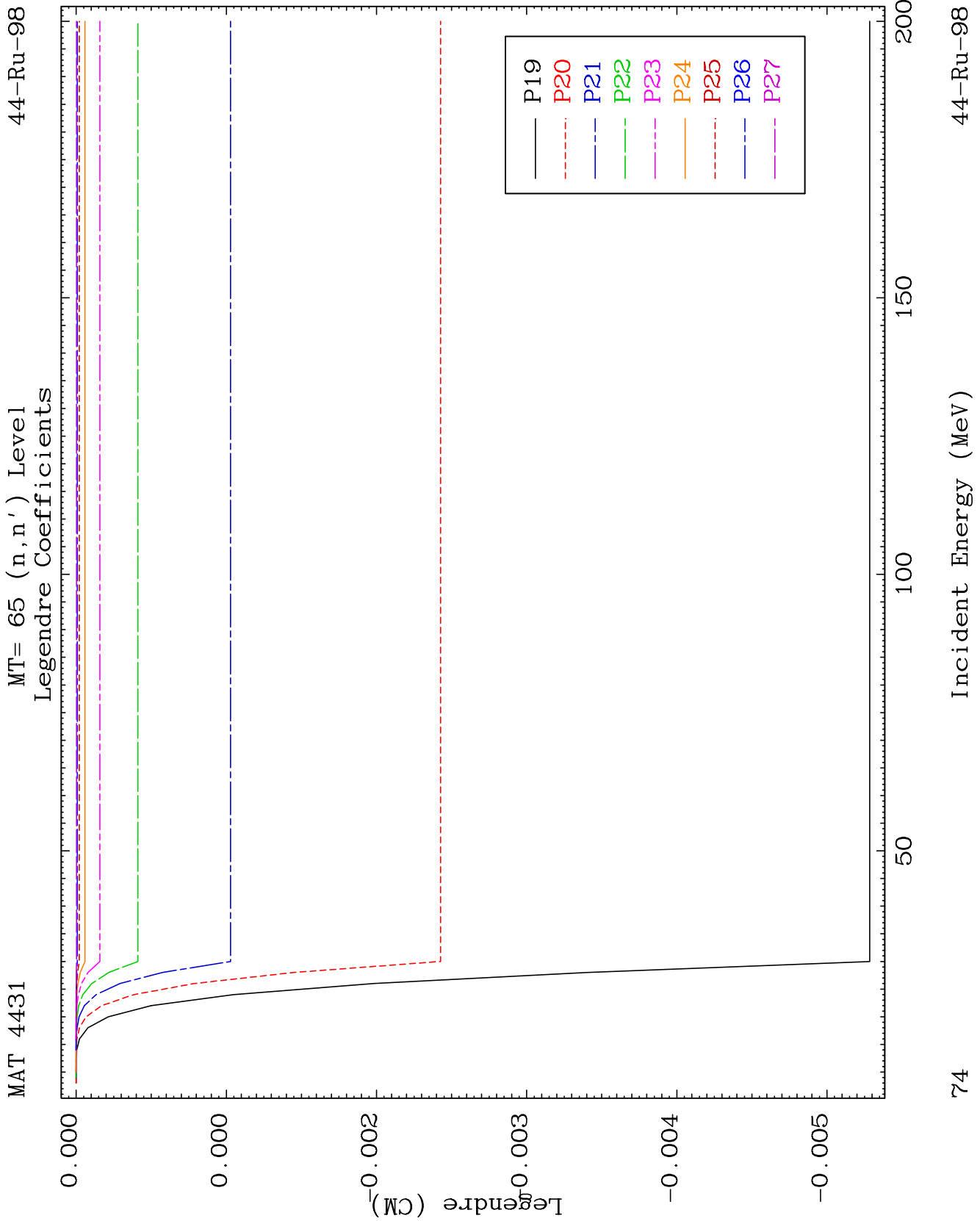
44-Ru-98

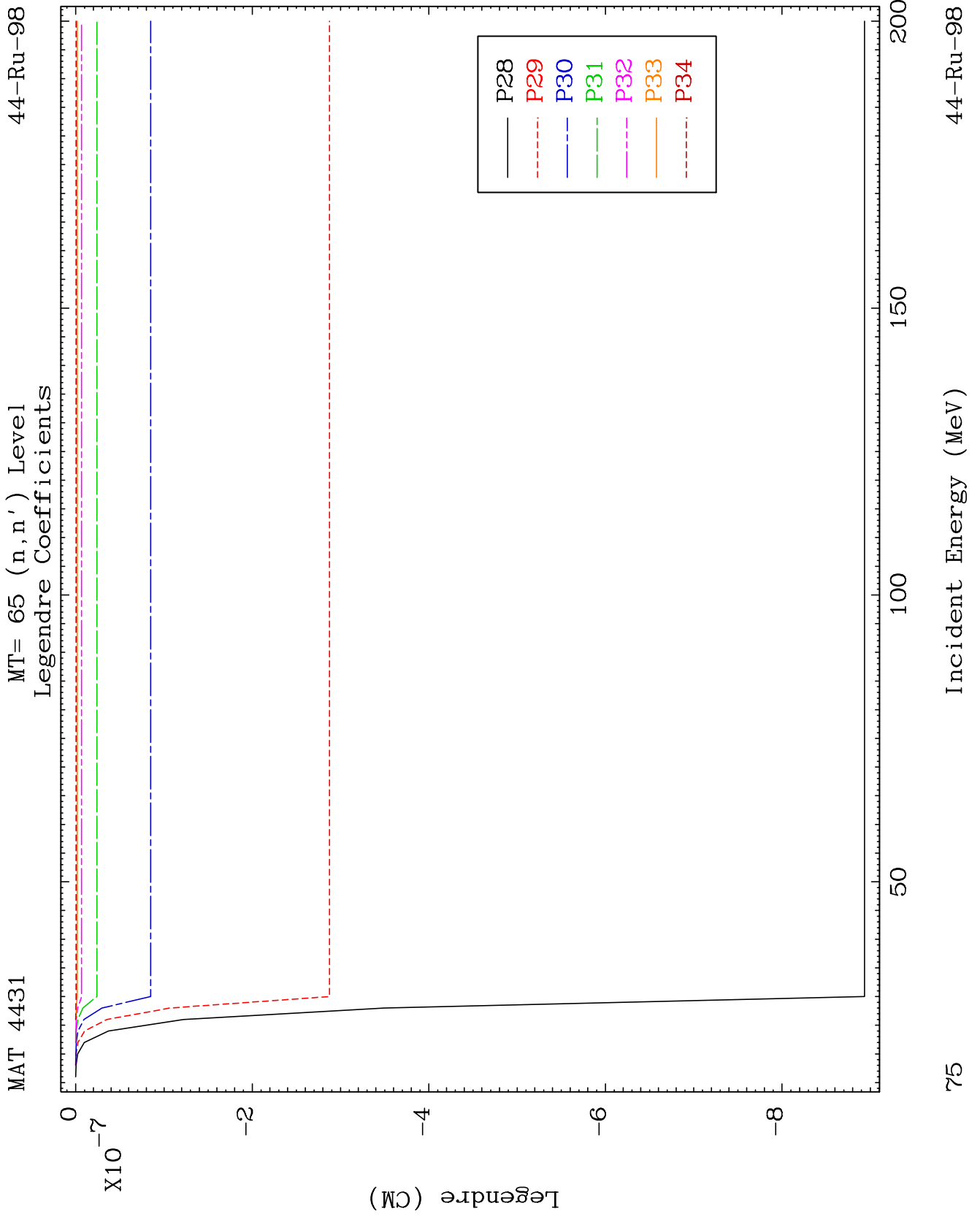


73

Incident Energy (MeV)

44-Ru-98

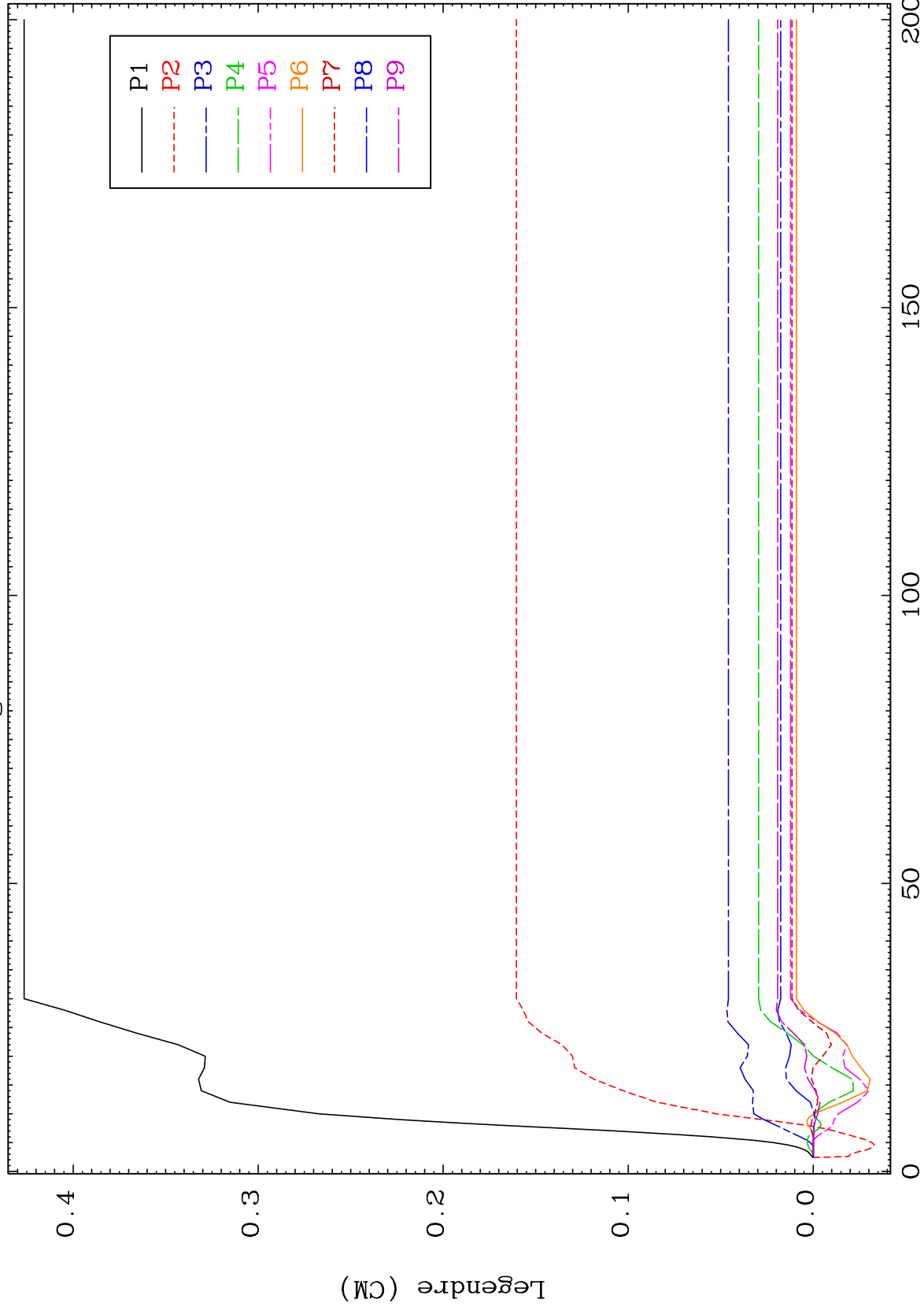




MAT 4431

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

44-Ru-98



76

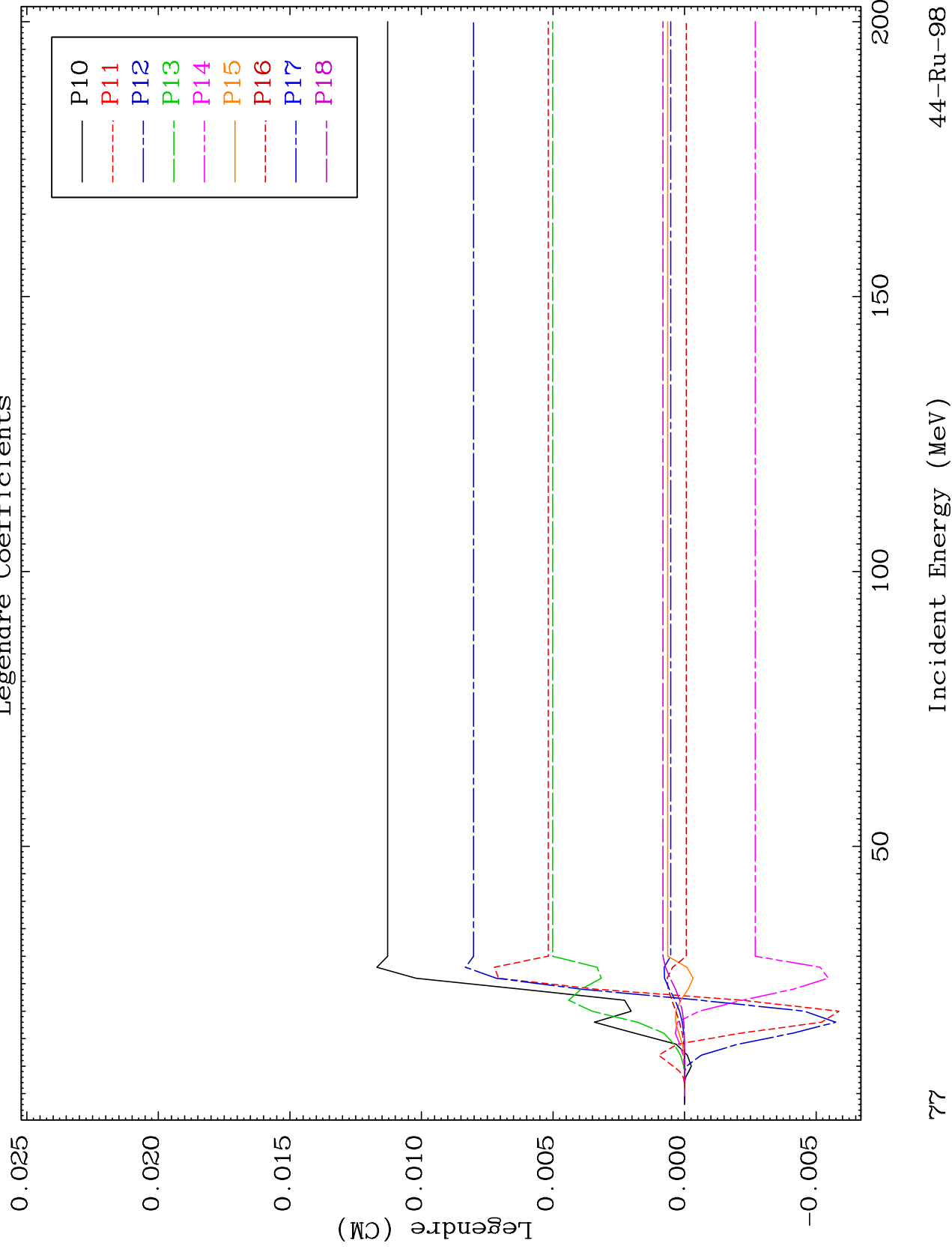
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



77

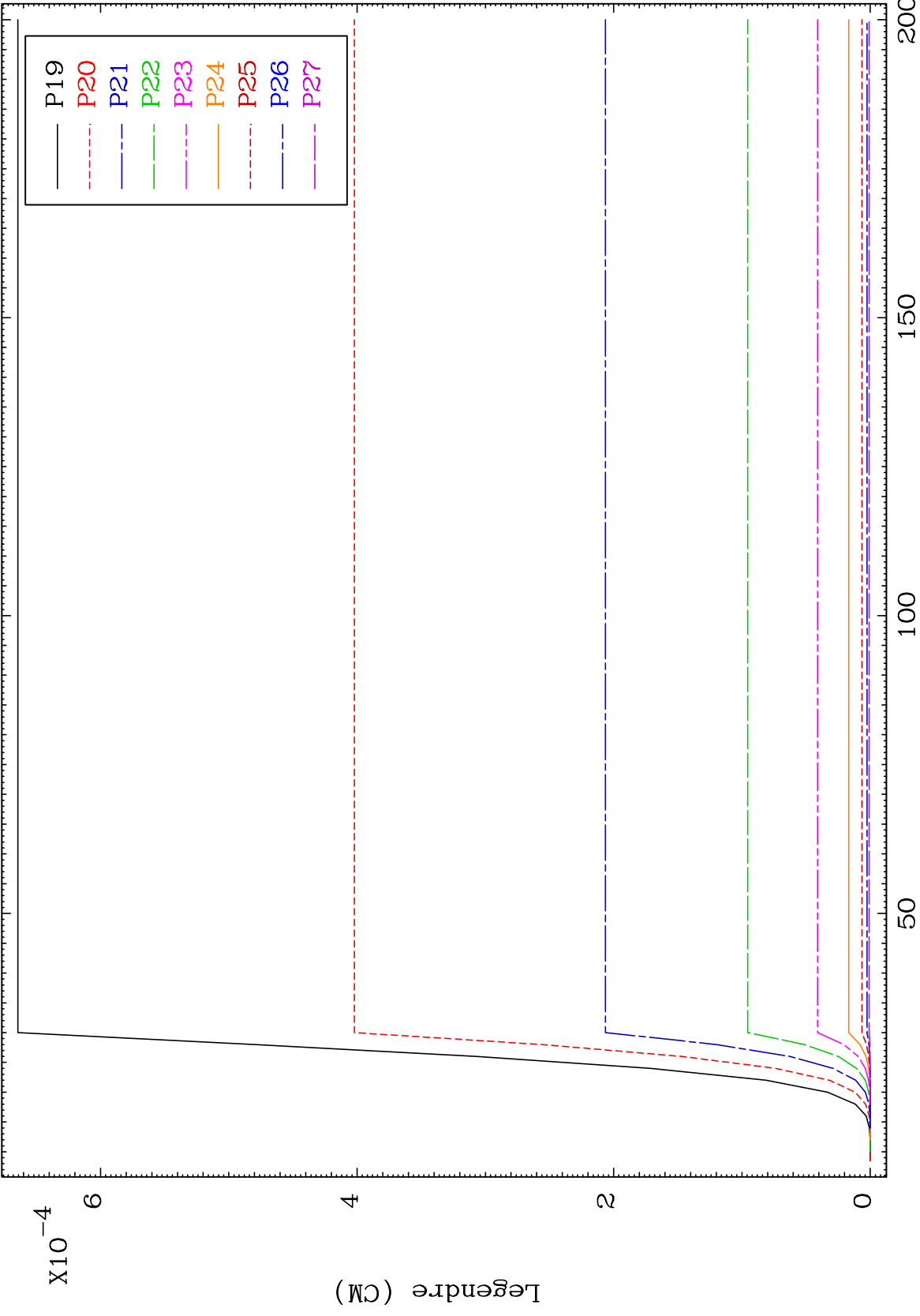
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



78

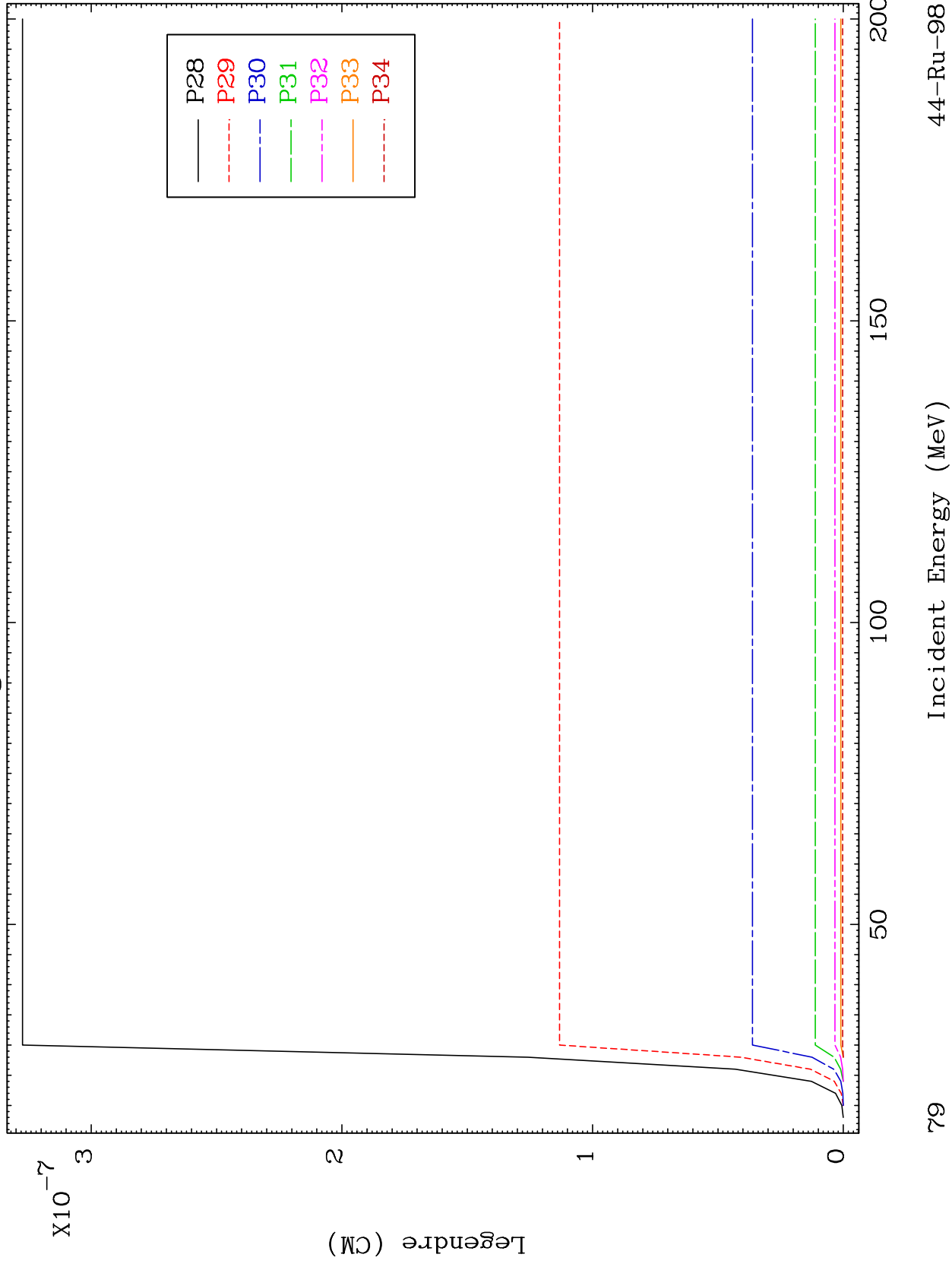
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

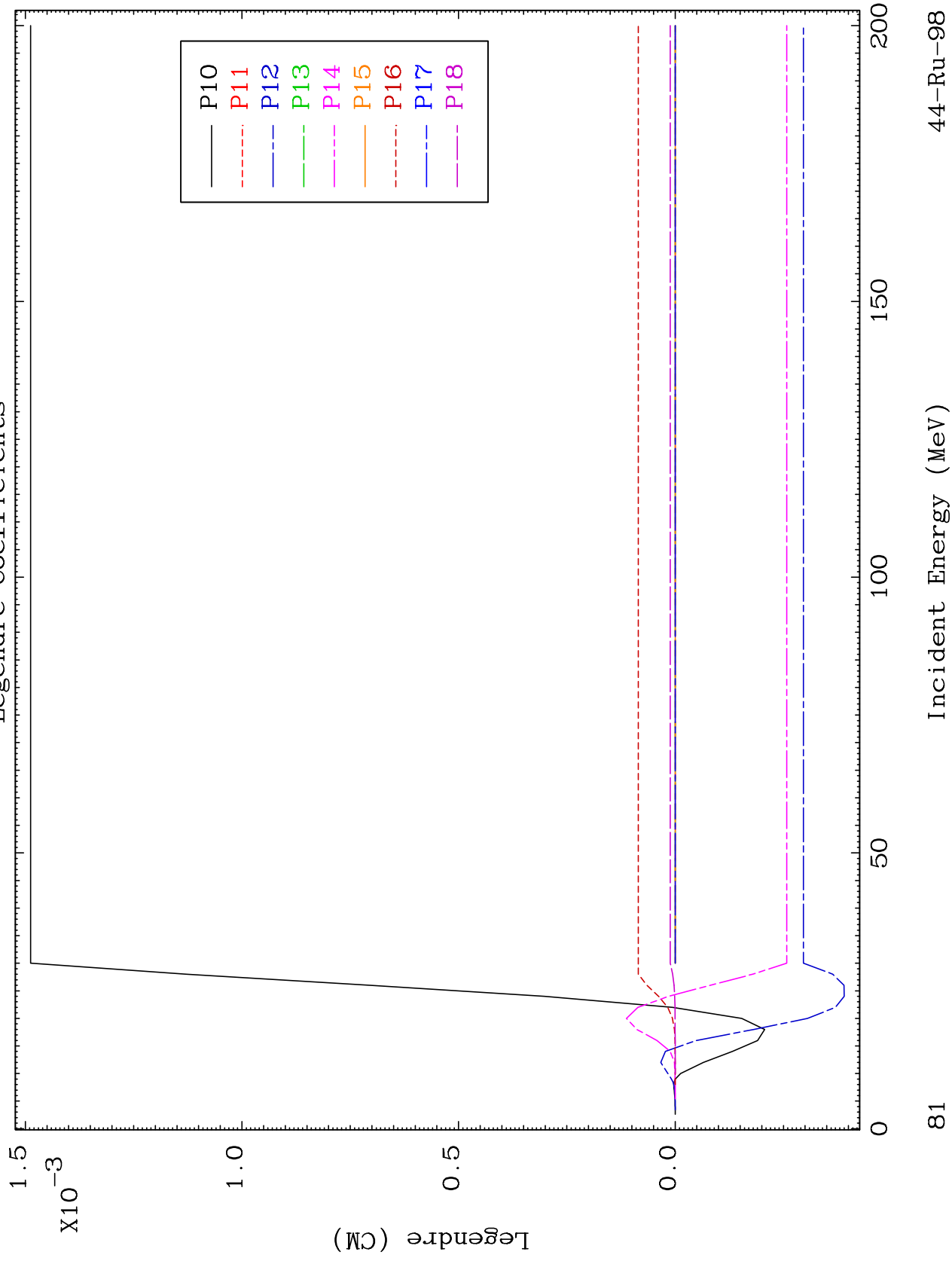
44-Ru-98



MAT 4431

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

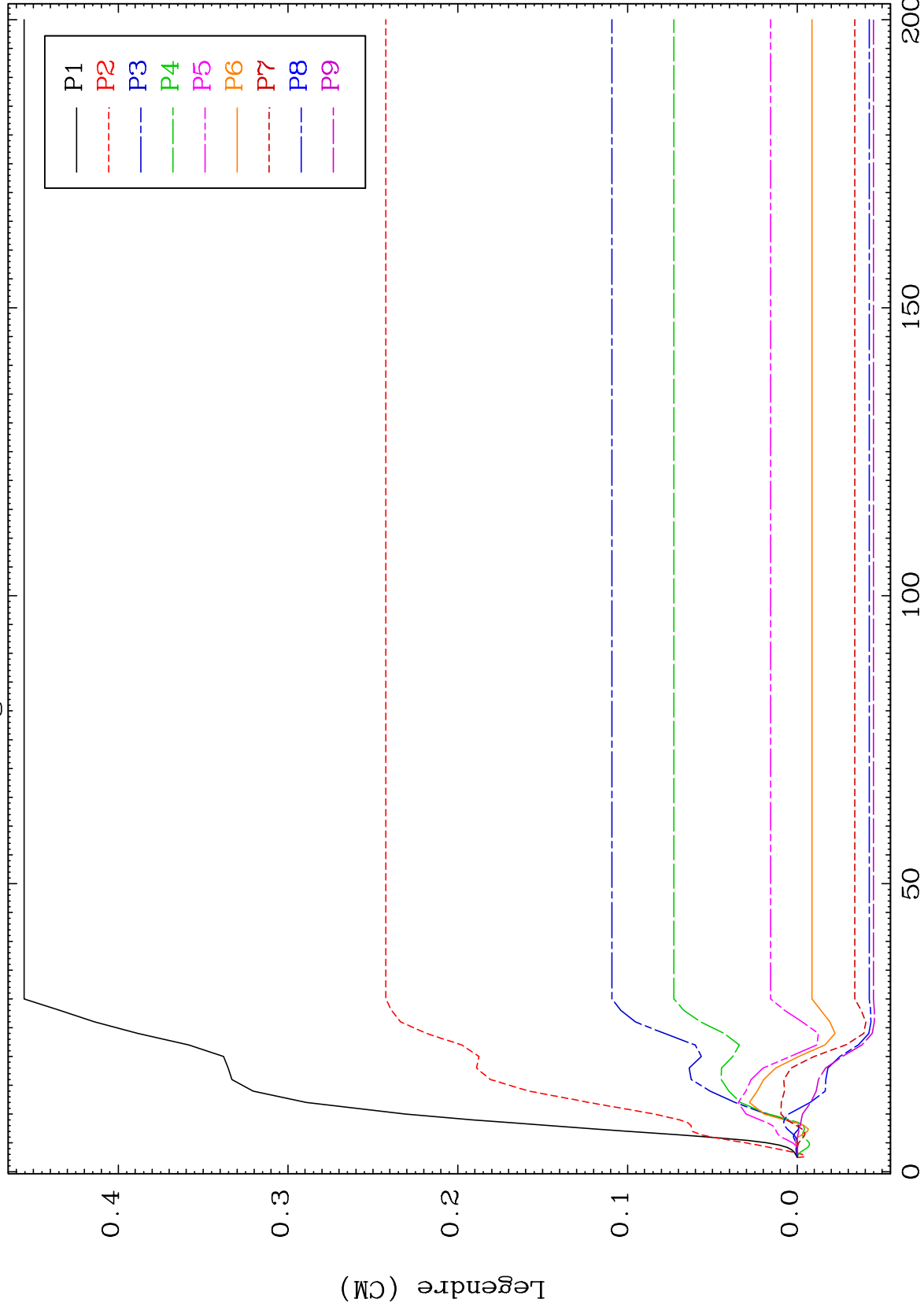
44-Ru-98



MAT 4431

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

44-Ru-98



83

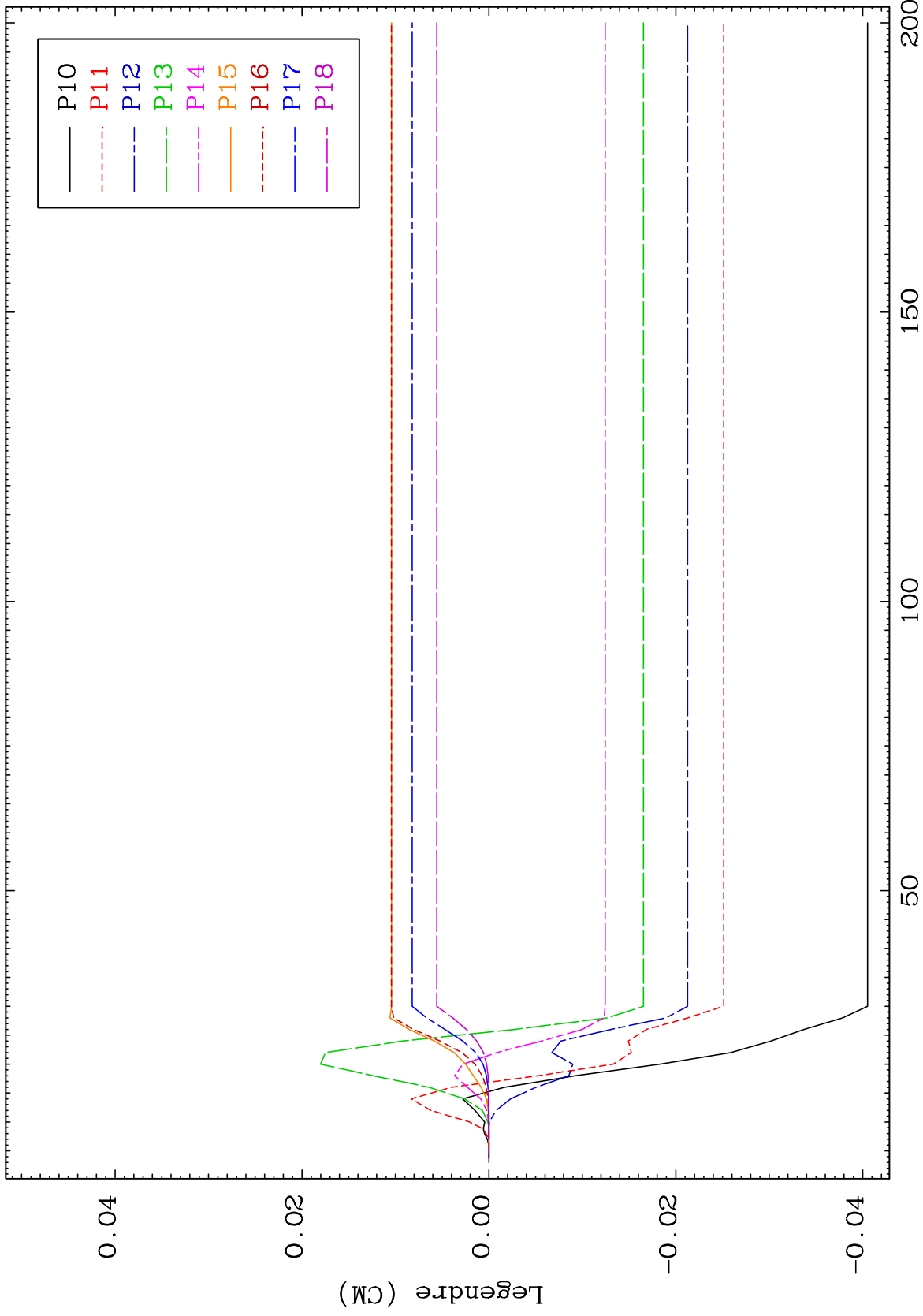
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



84

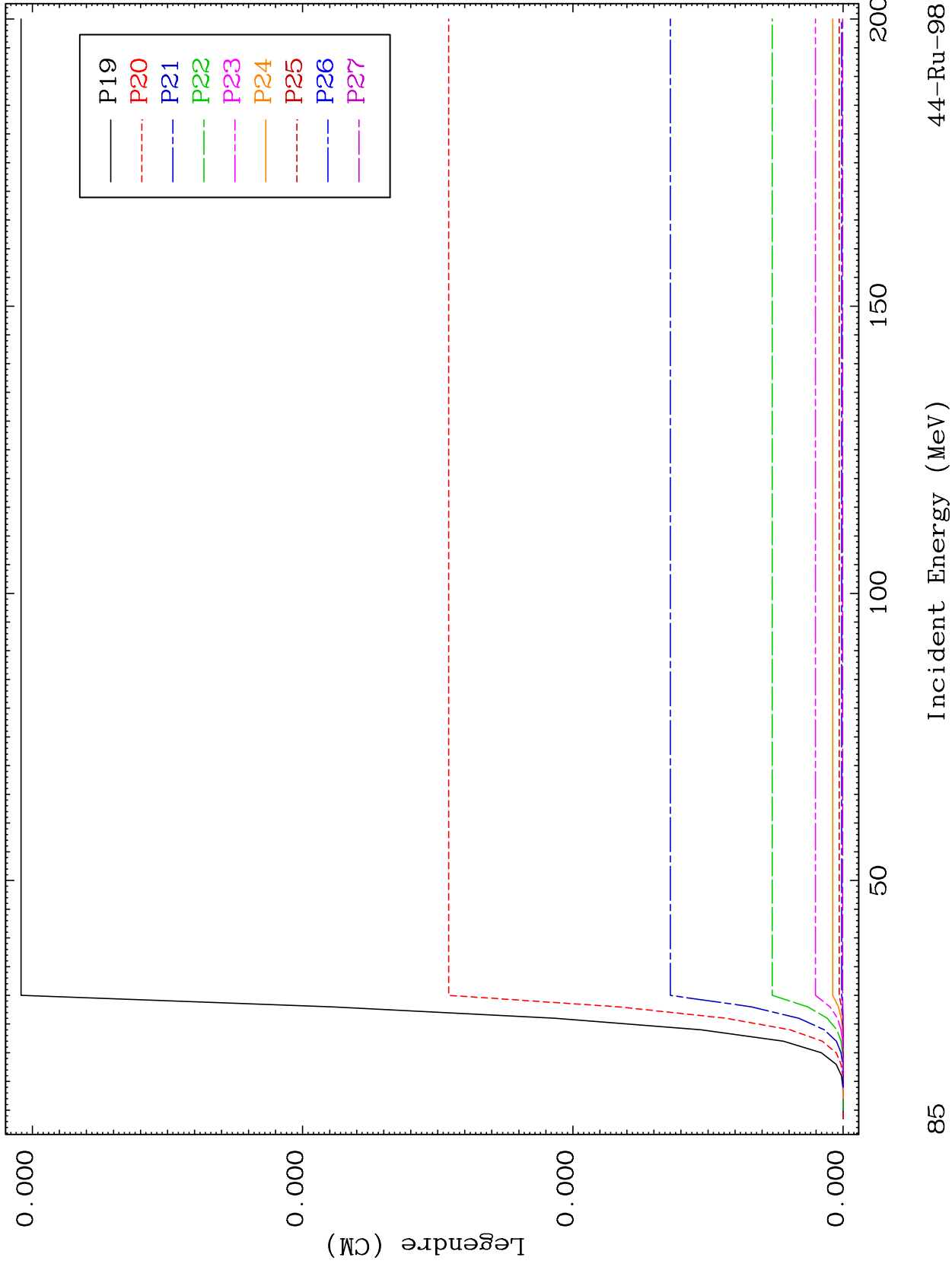
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



85

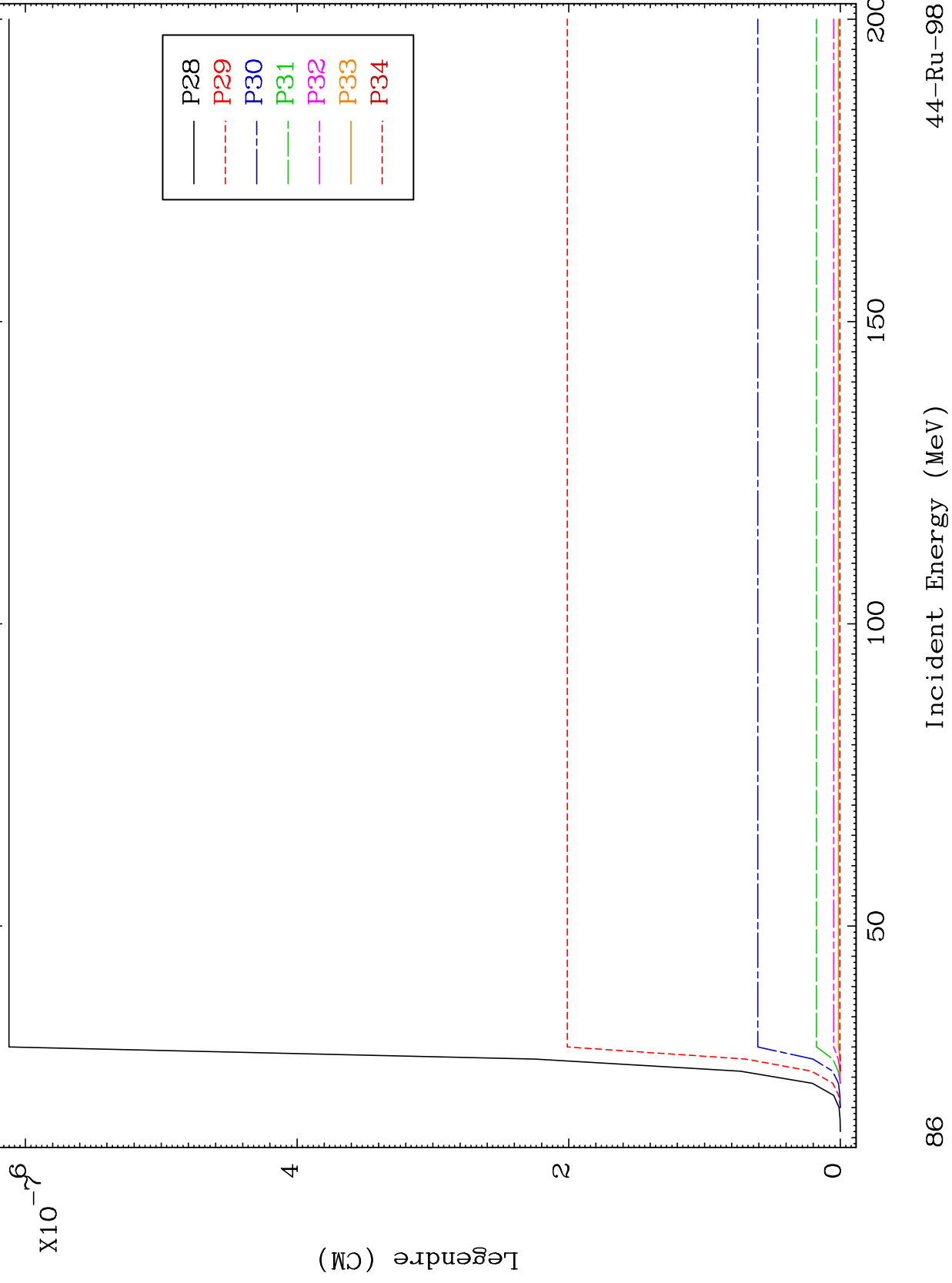
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



86

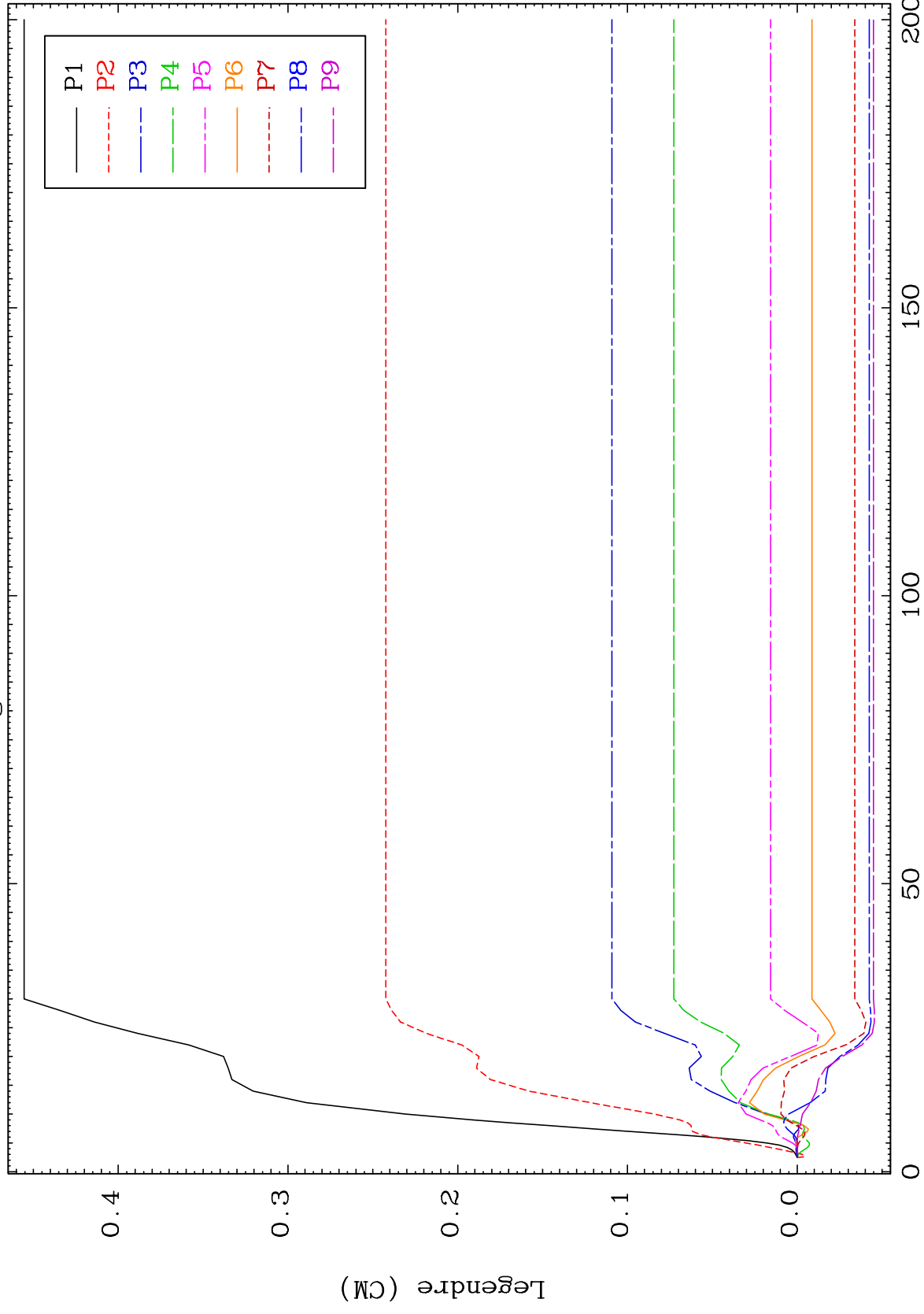
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



87

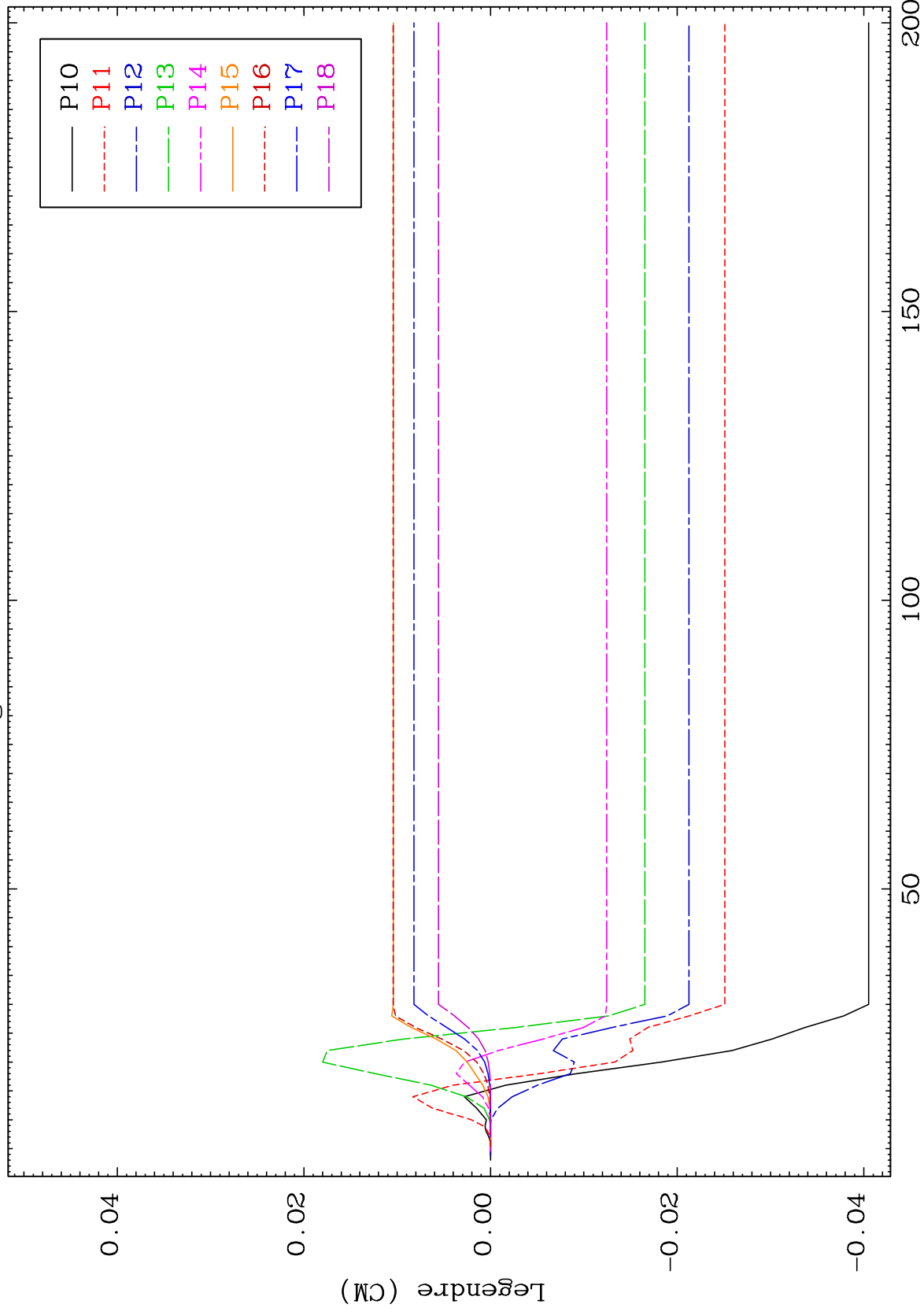
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



88

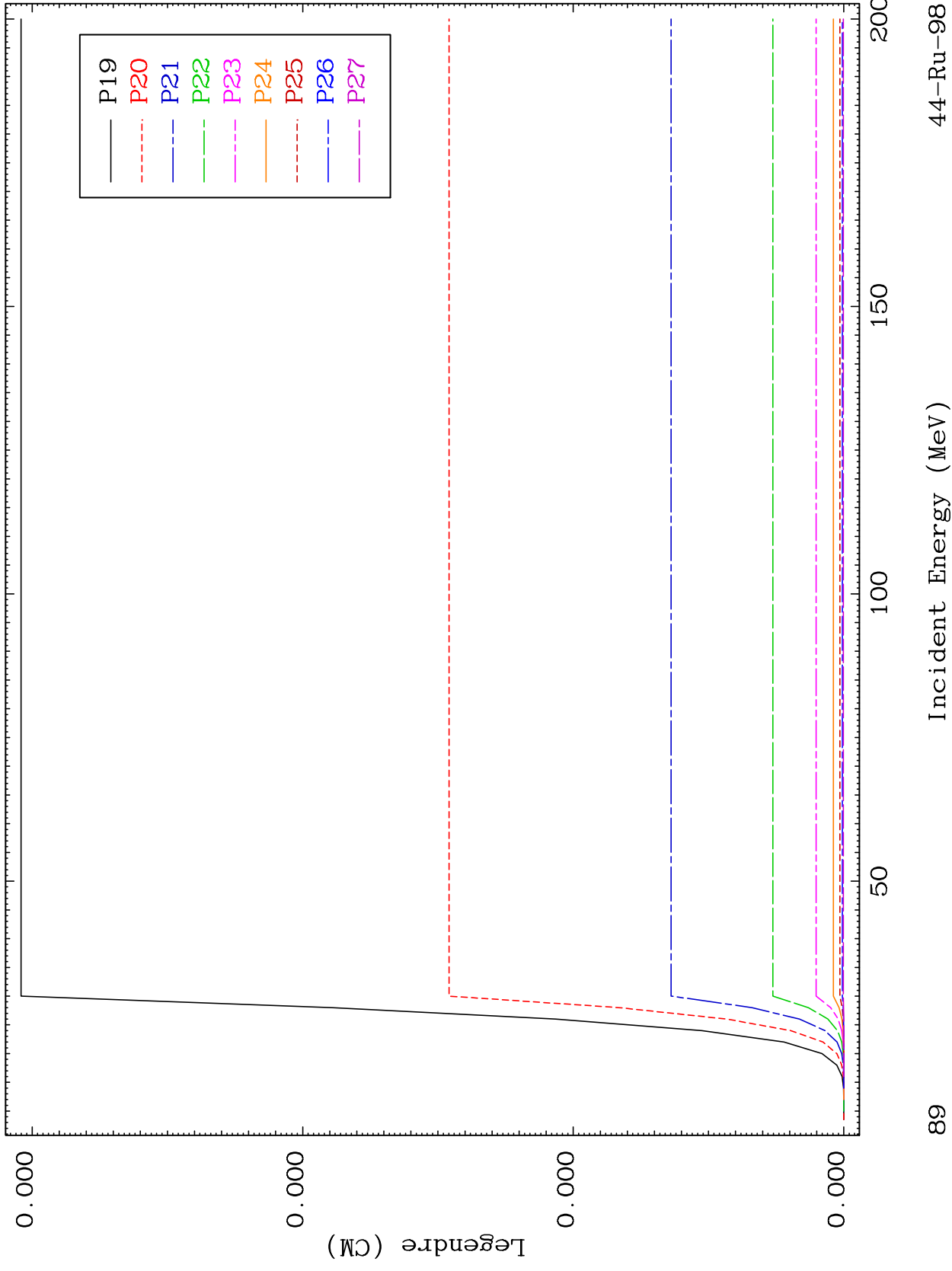
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



89

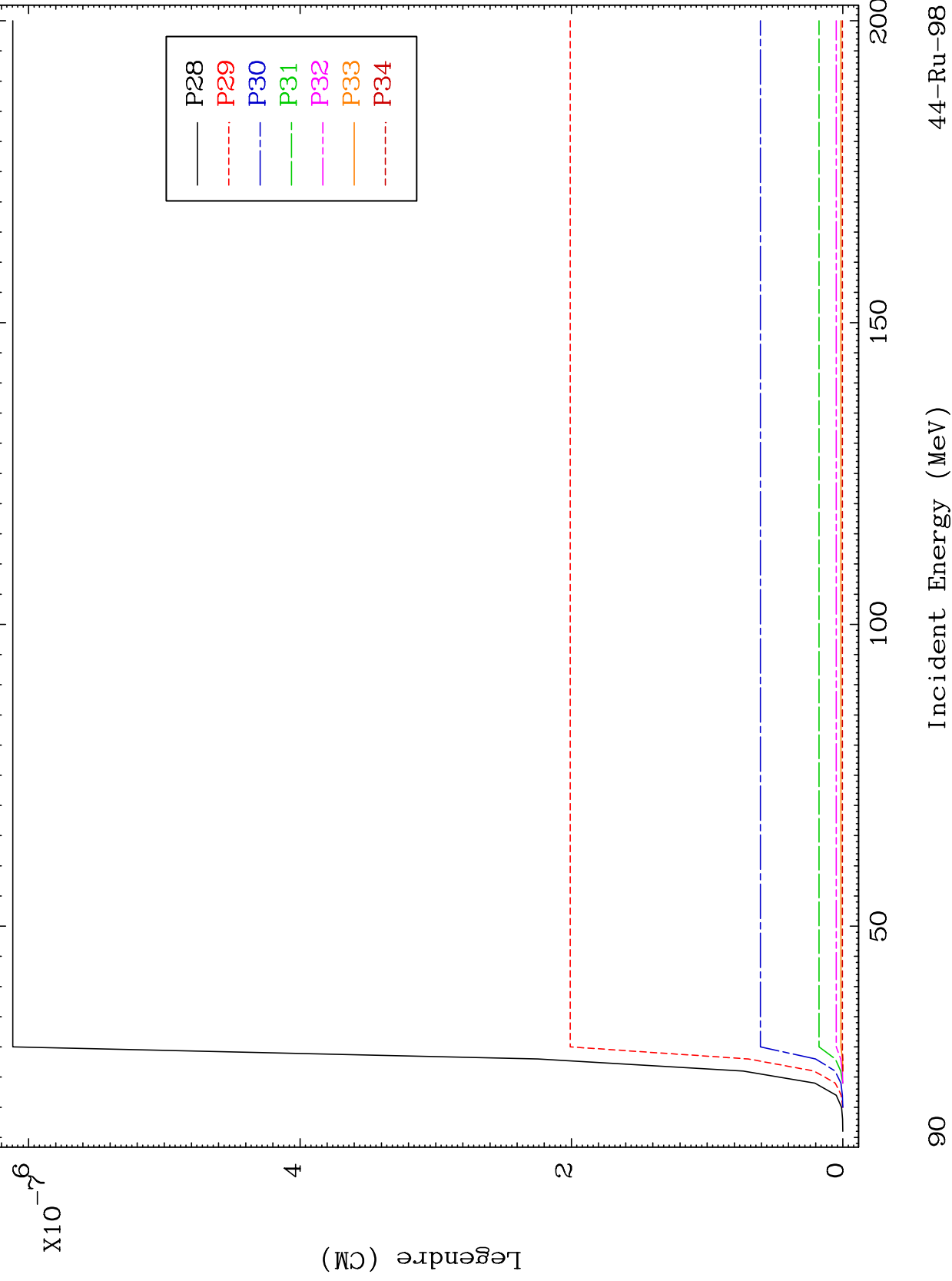
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



90

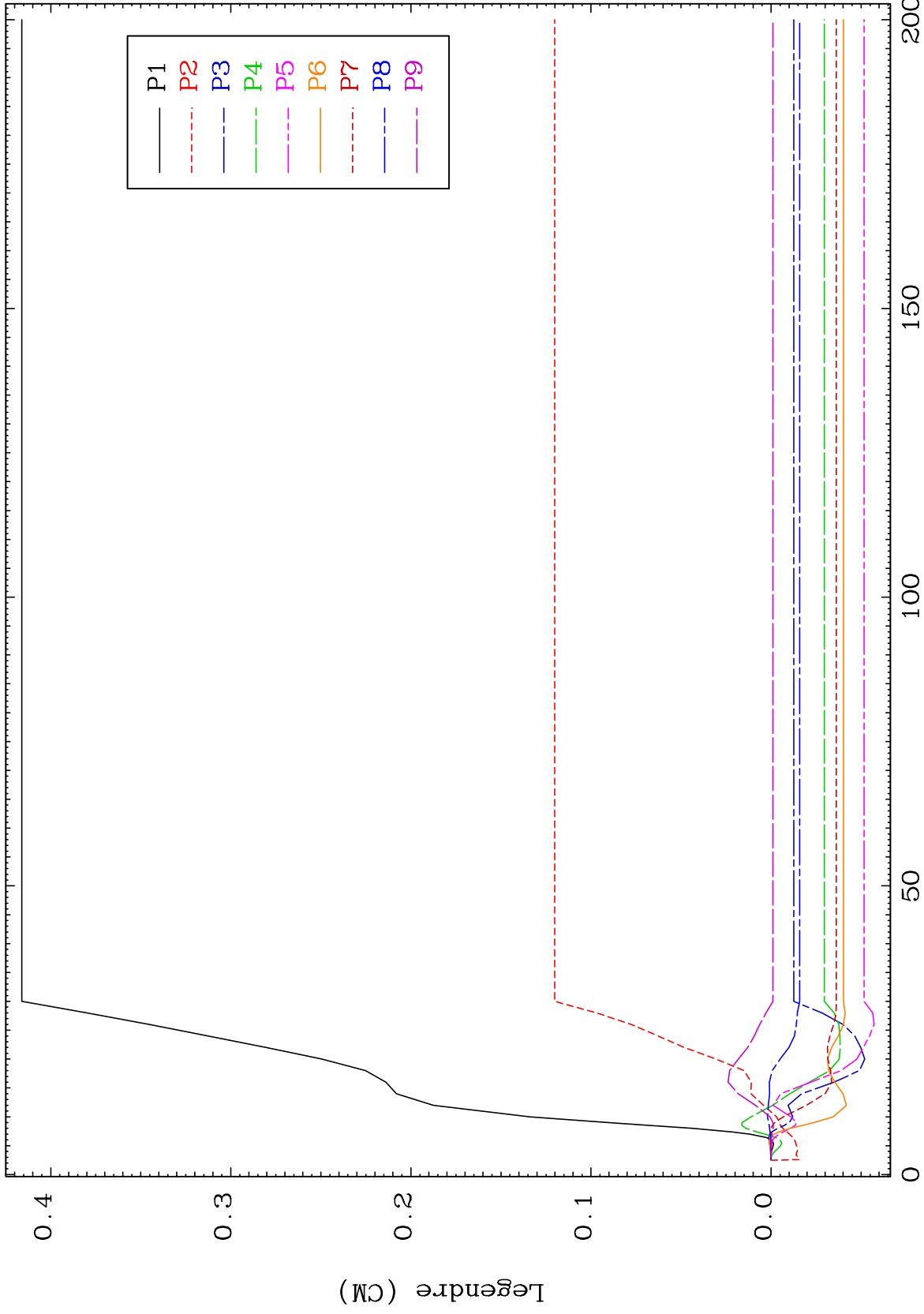
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



91

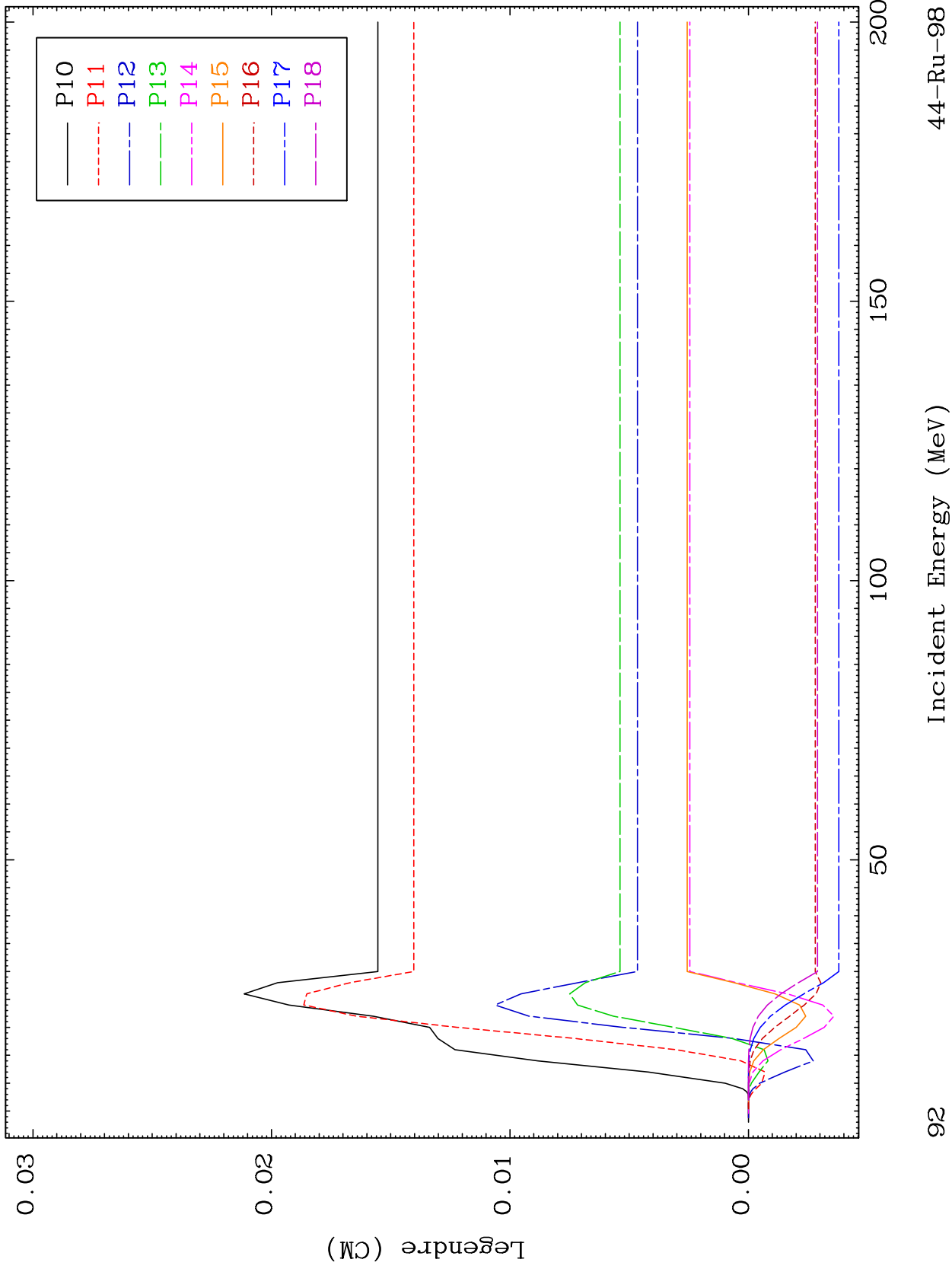
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

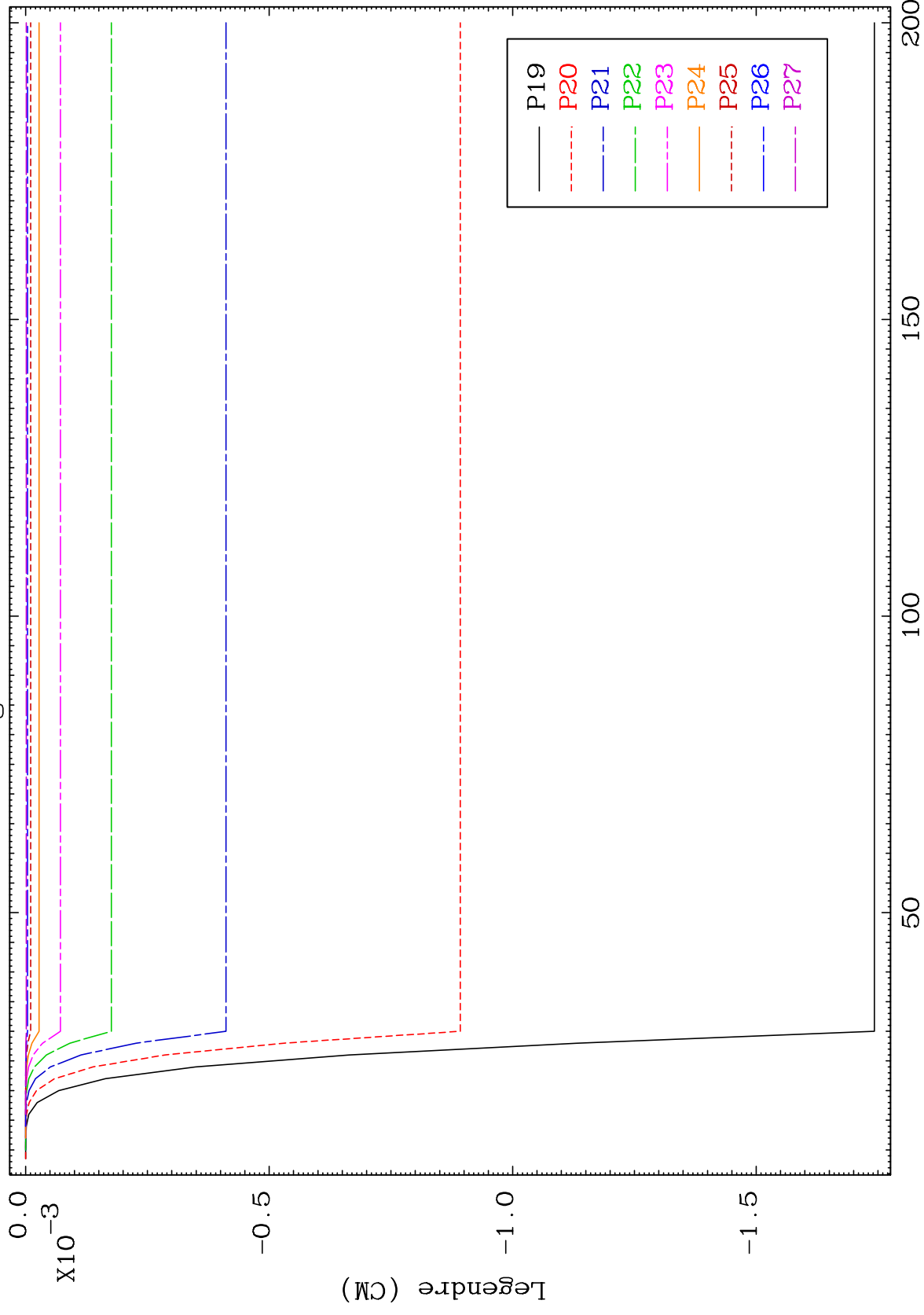
44-Ru-98



MAT 4431

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

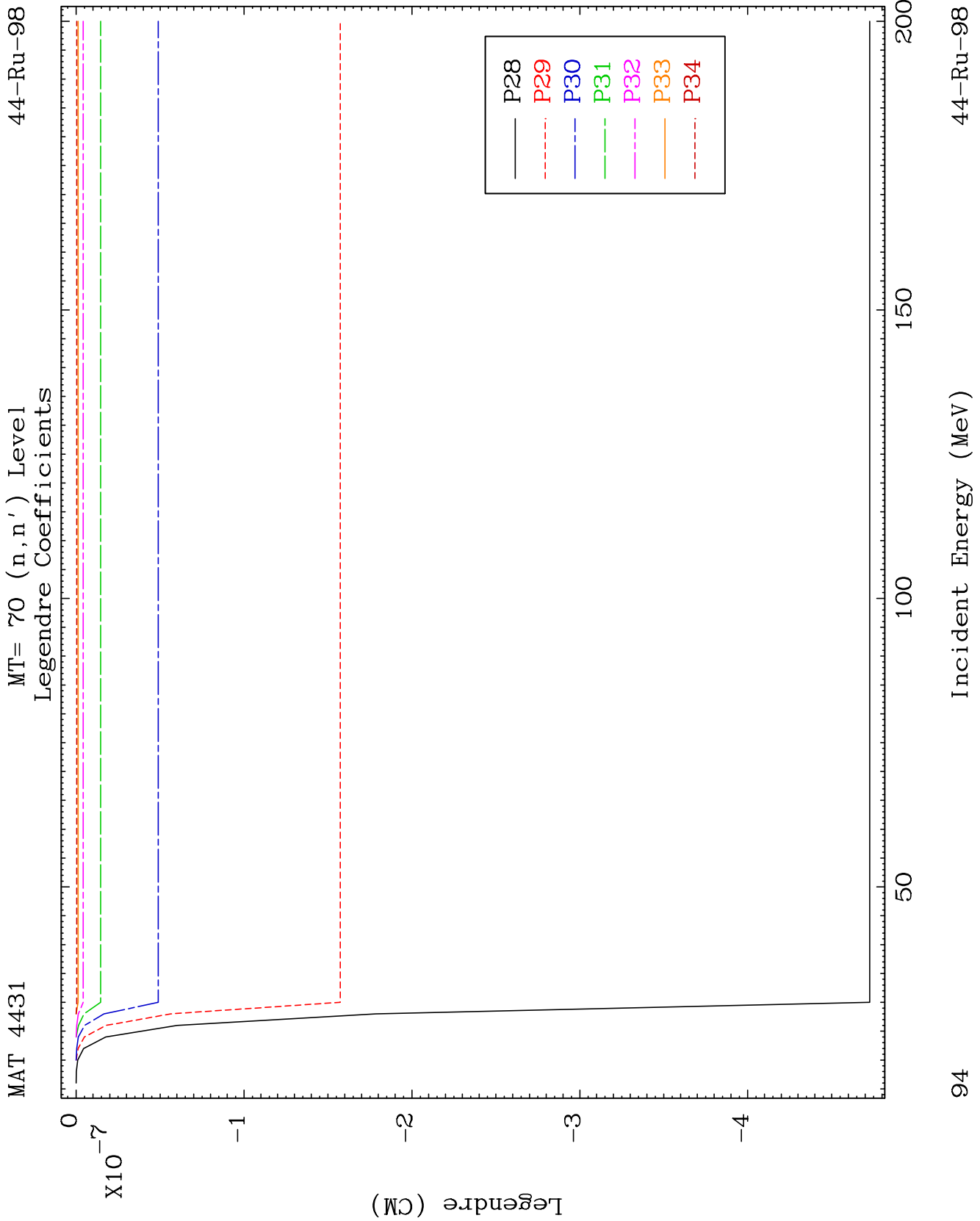
44-Ru-98



93

Incident Energy (MeV)

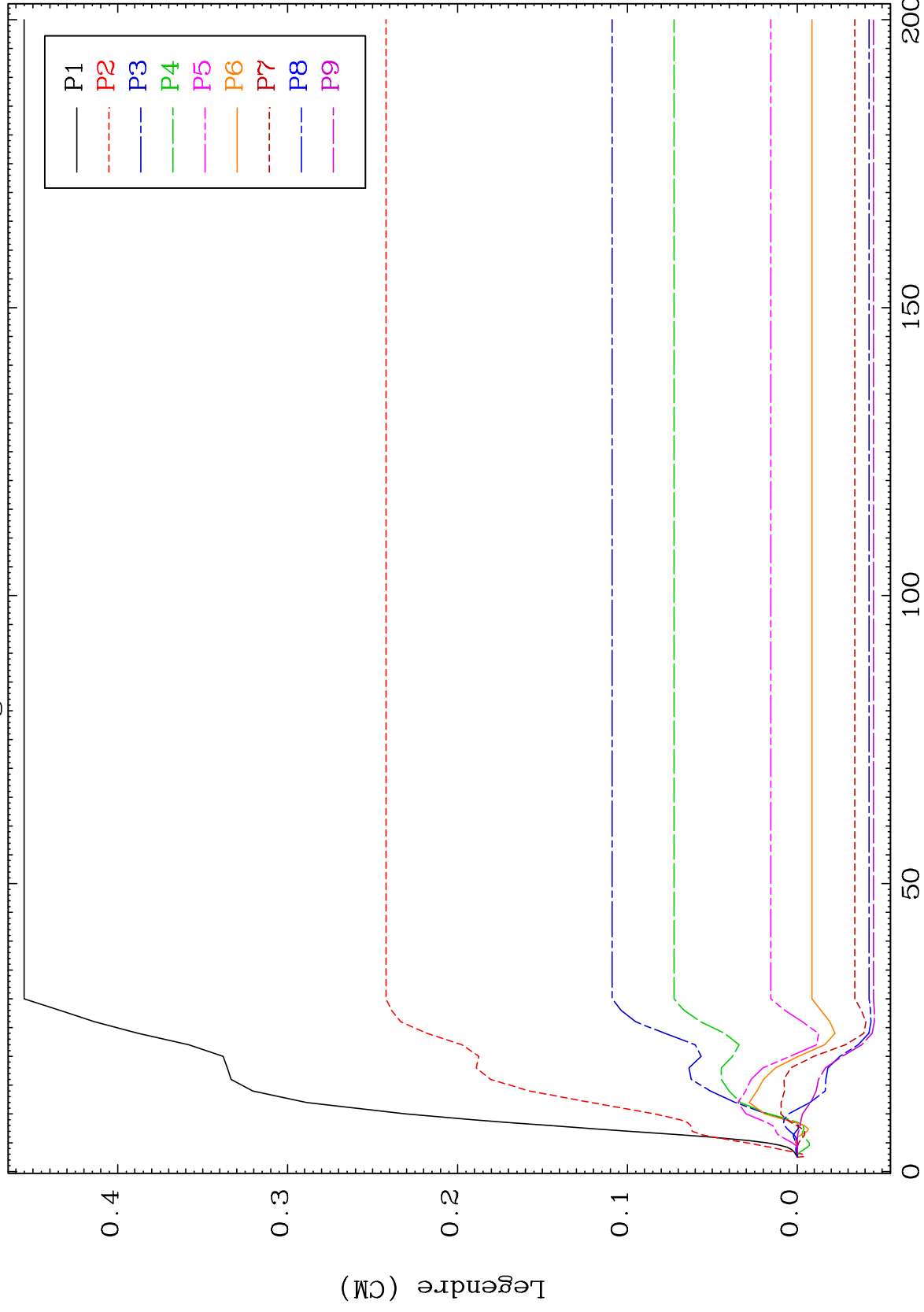
44-Ru-98



MAT 4431

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

44-Ru-98



95

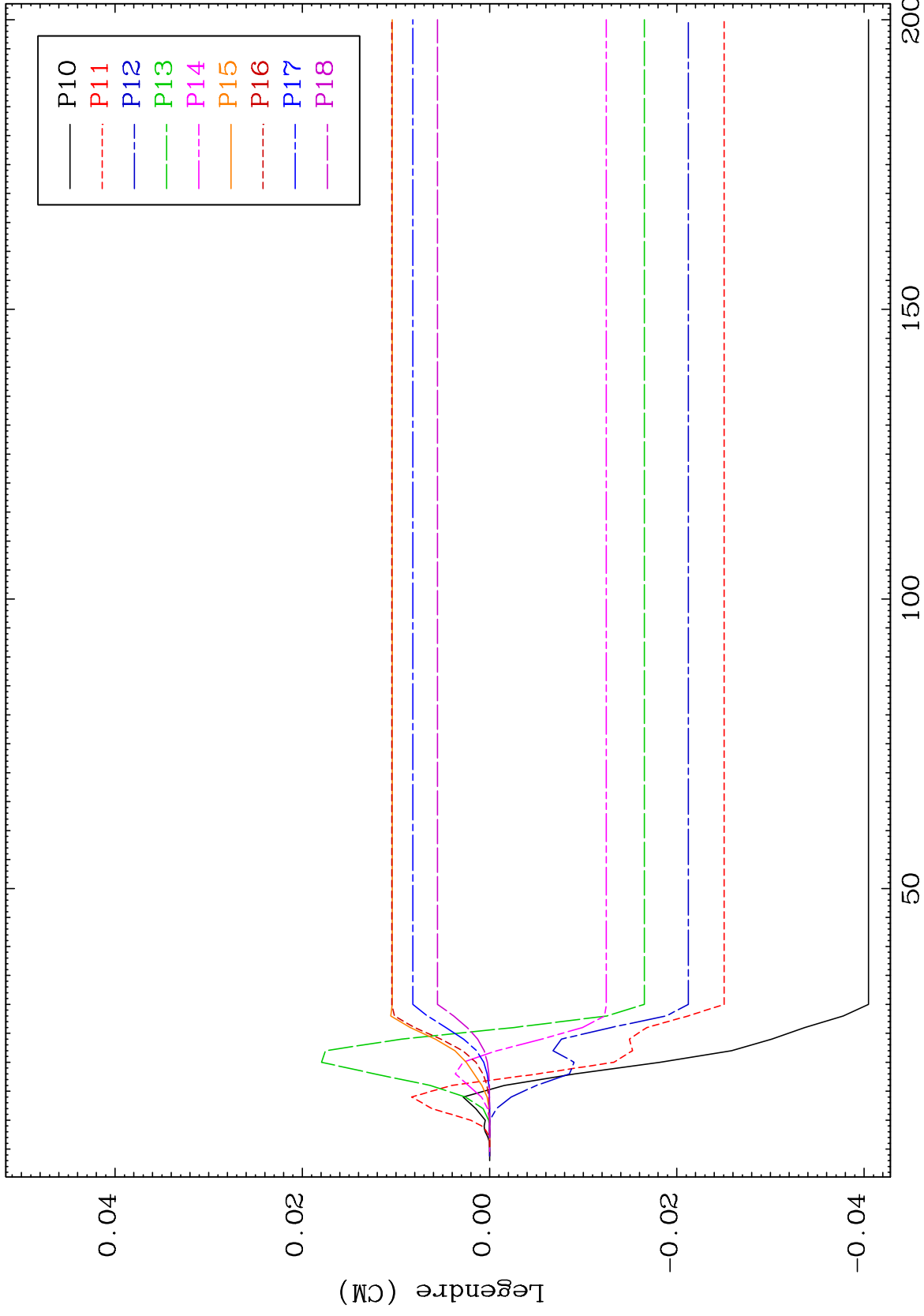
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



96

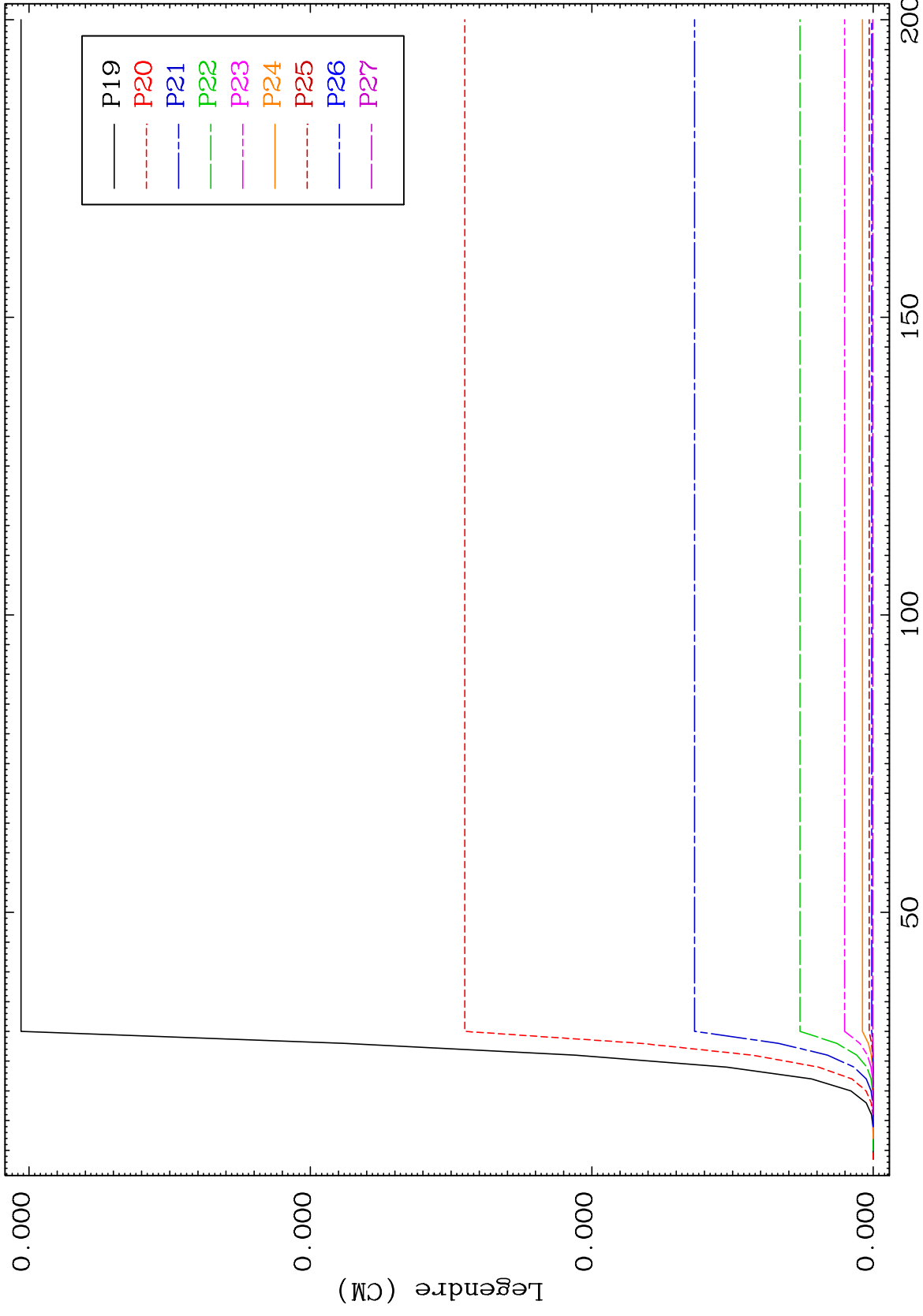
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



97

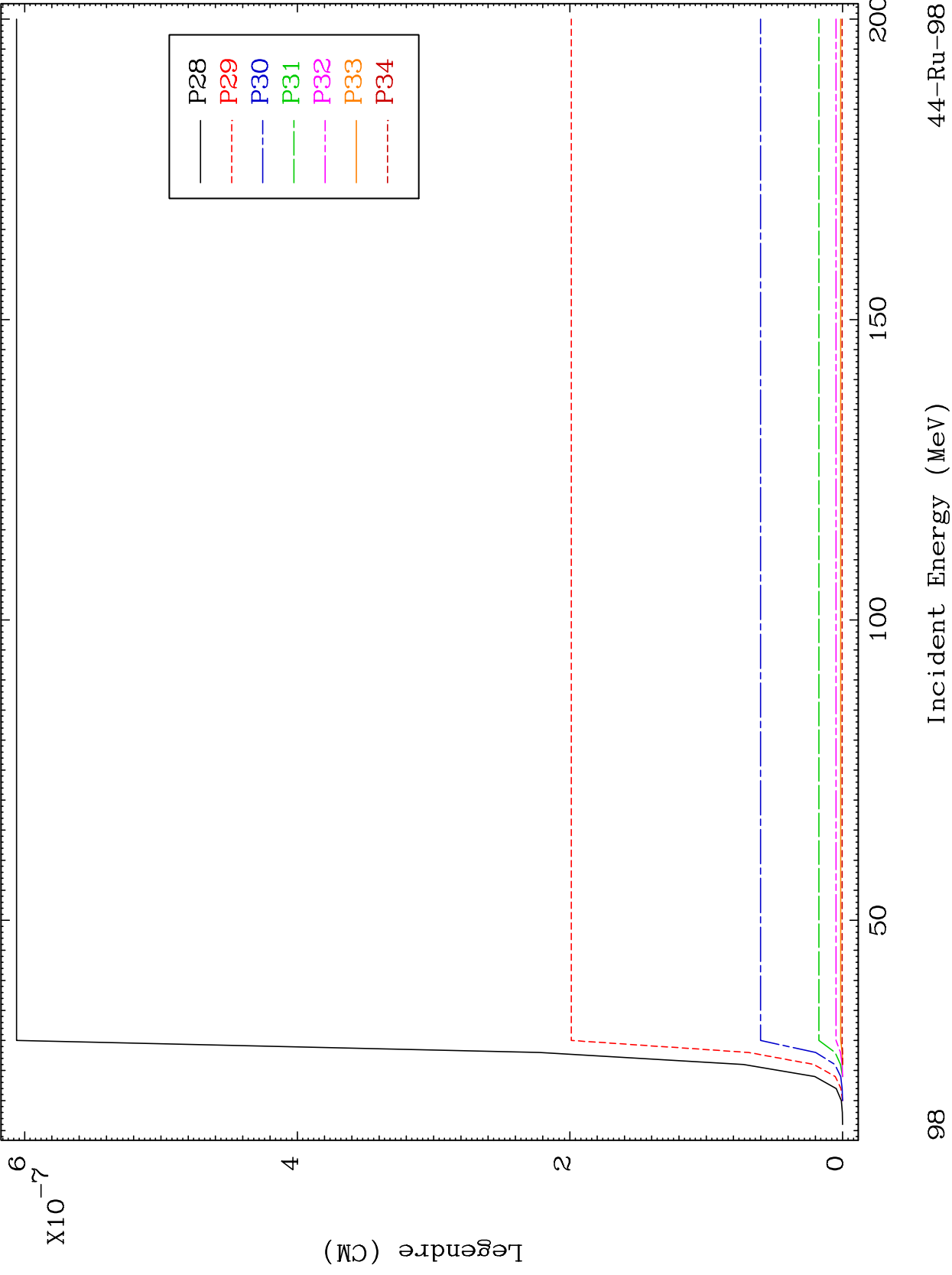
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

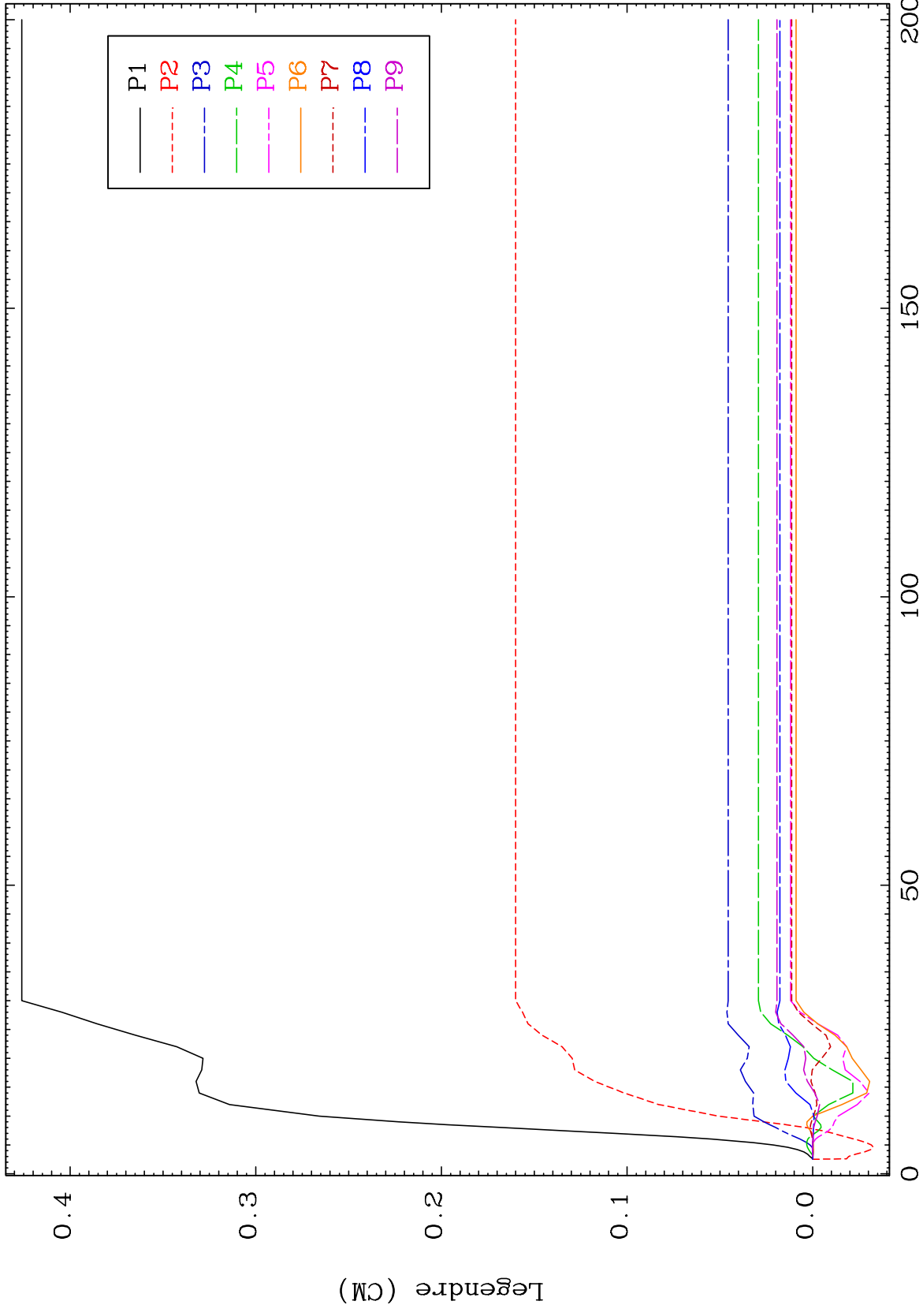
44-Ru-98



MAT 4431

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

44-Ru-98



99

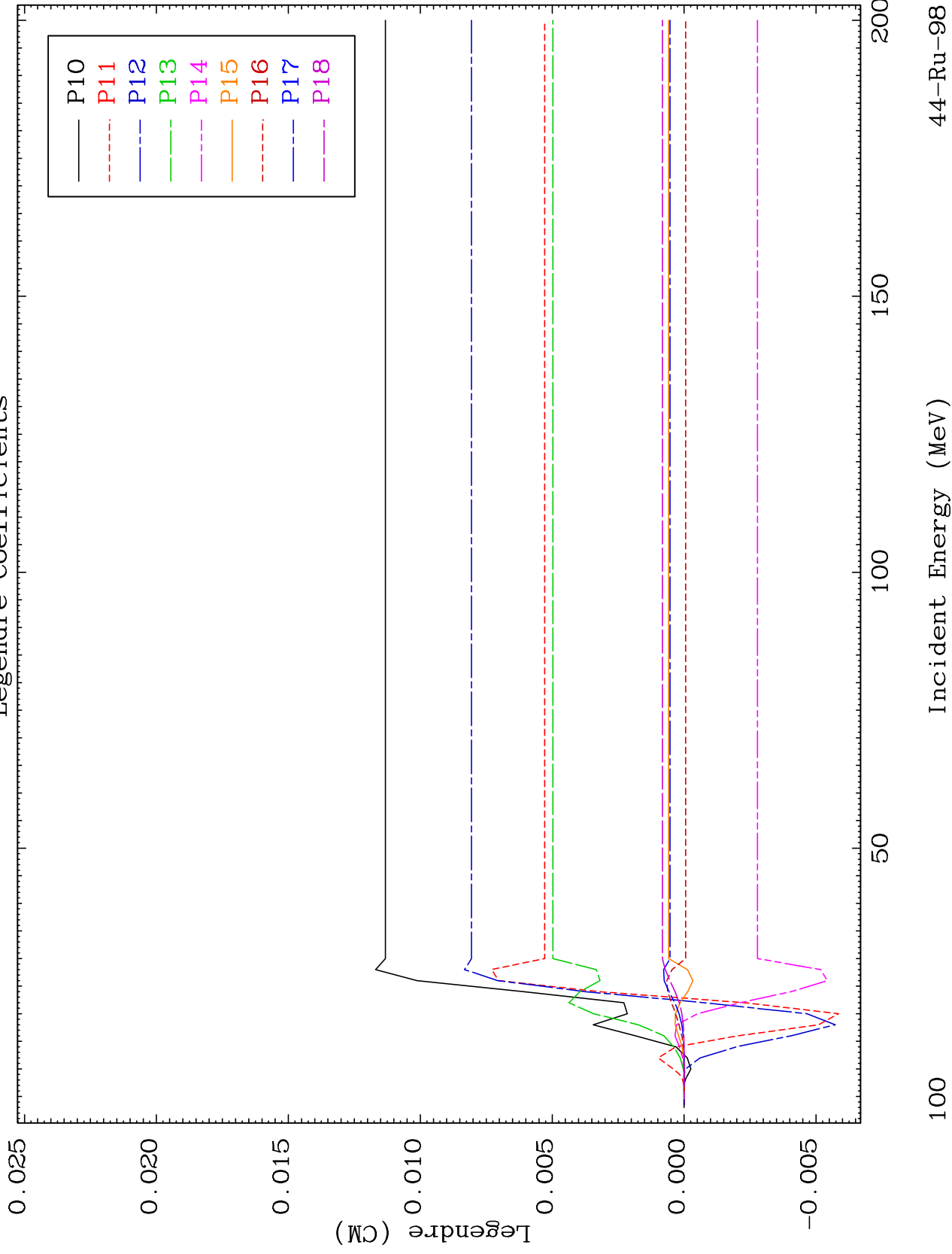
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



44-Ru-98

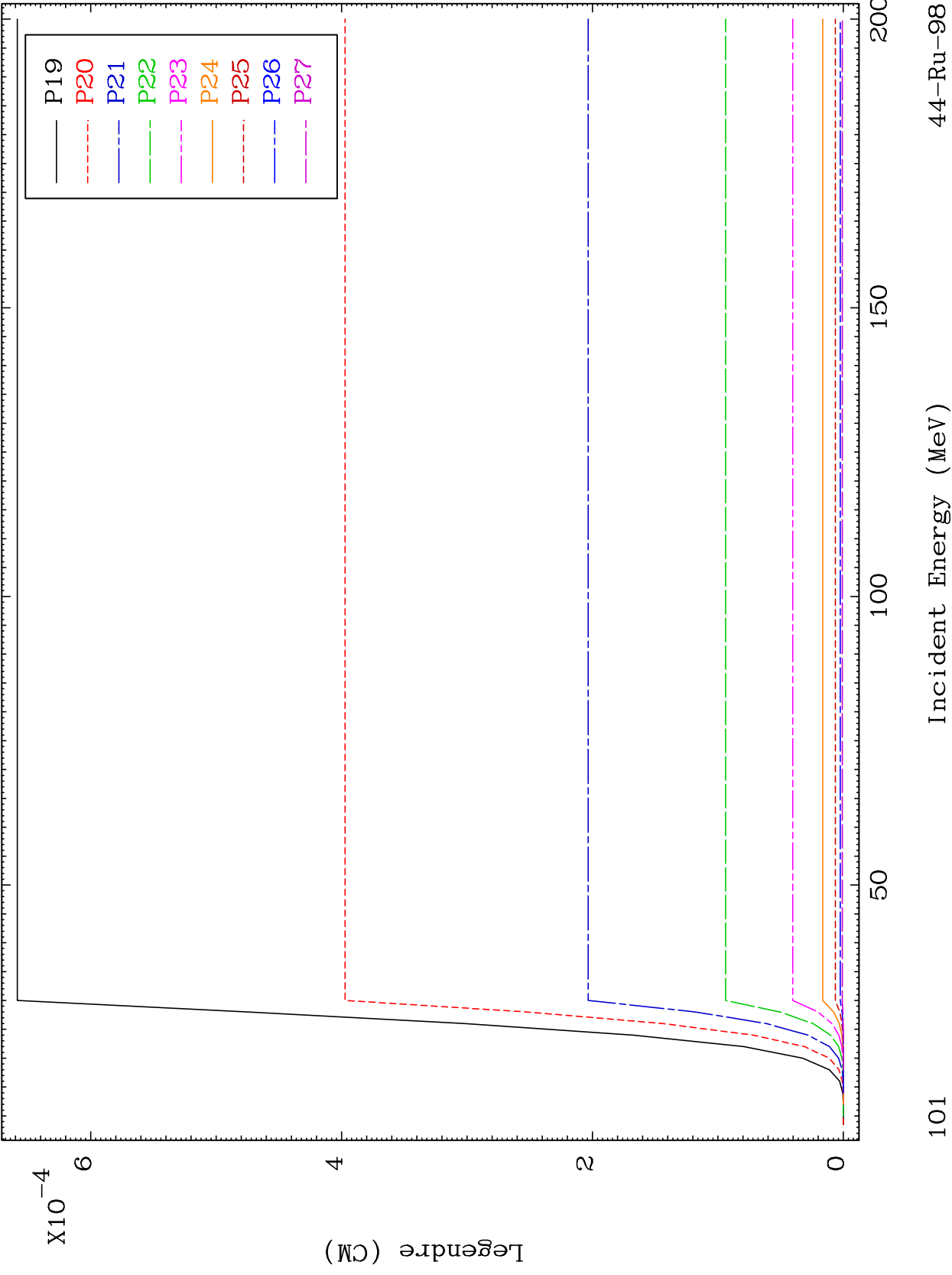
Incident Energy (MeV)

100

MAT 4431

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

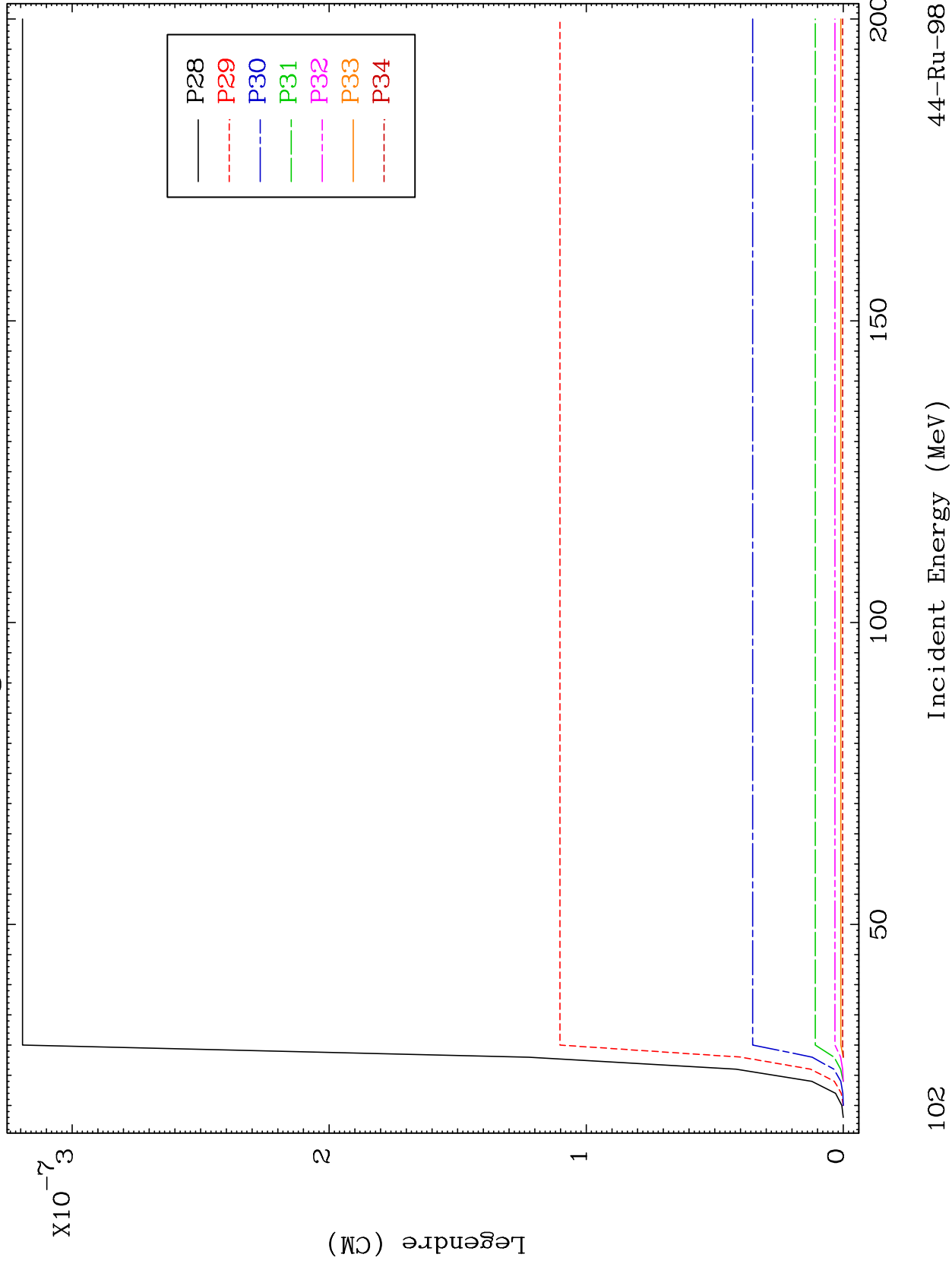
44-Ru-98



MAT 4431

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

44-Ru-98



102

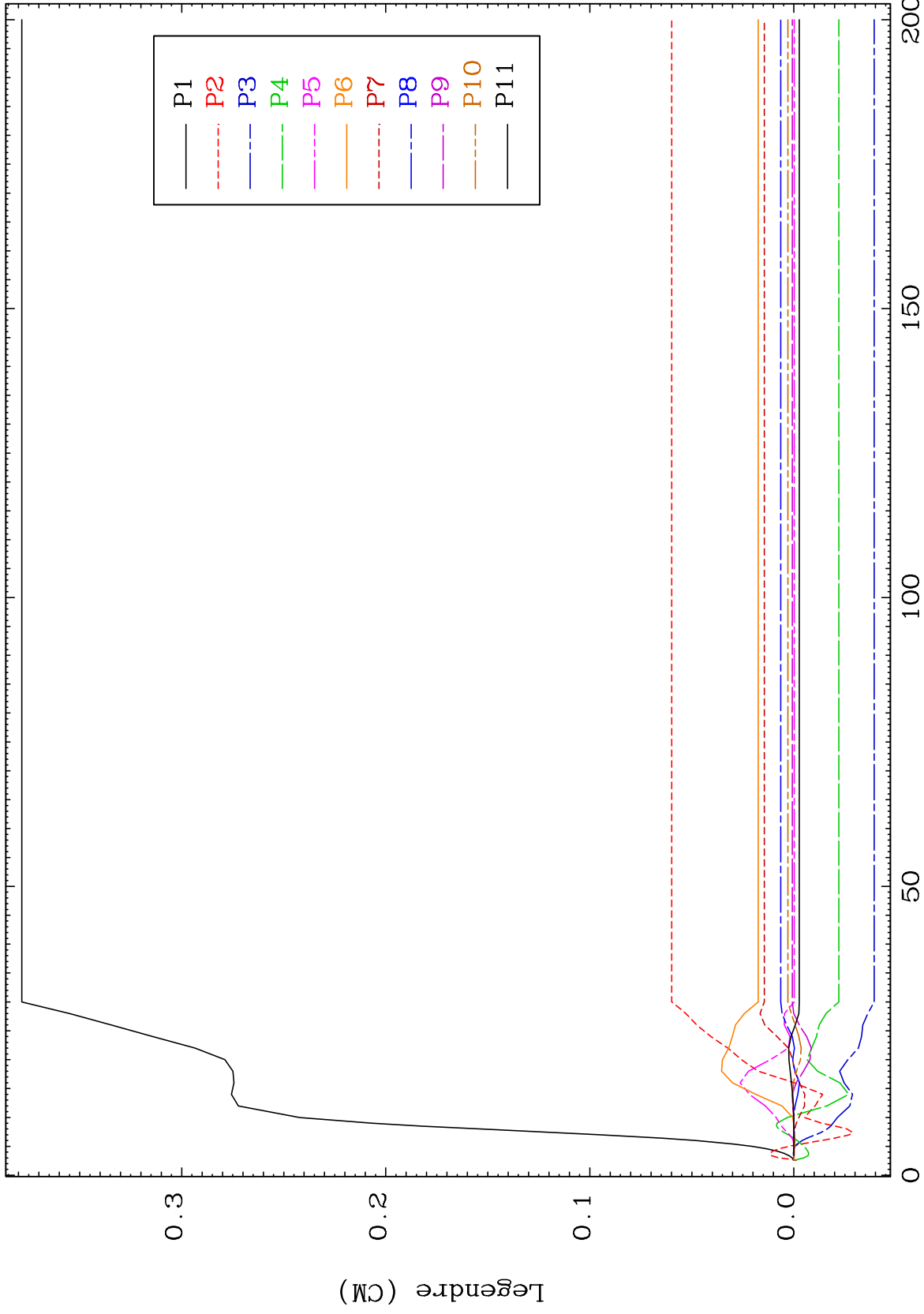
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



103

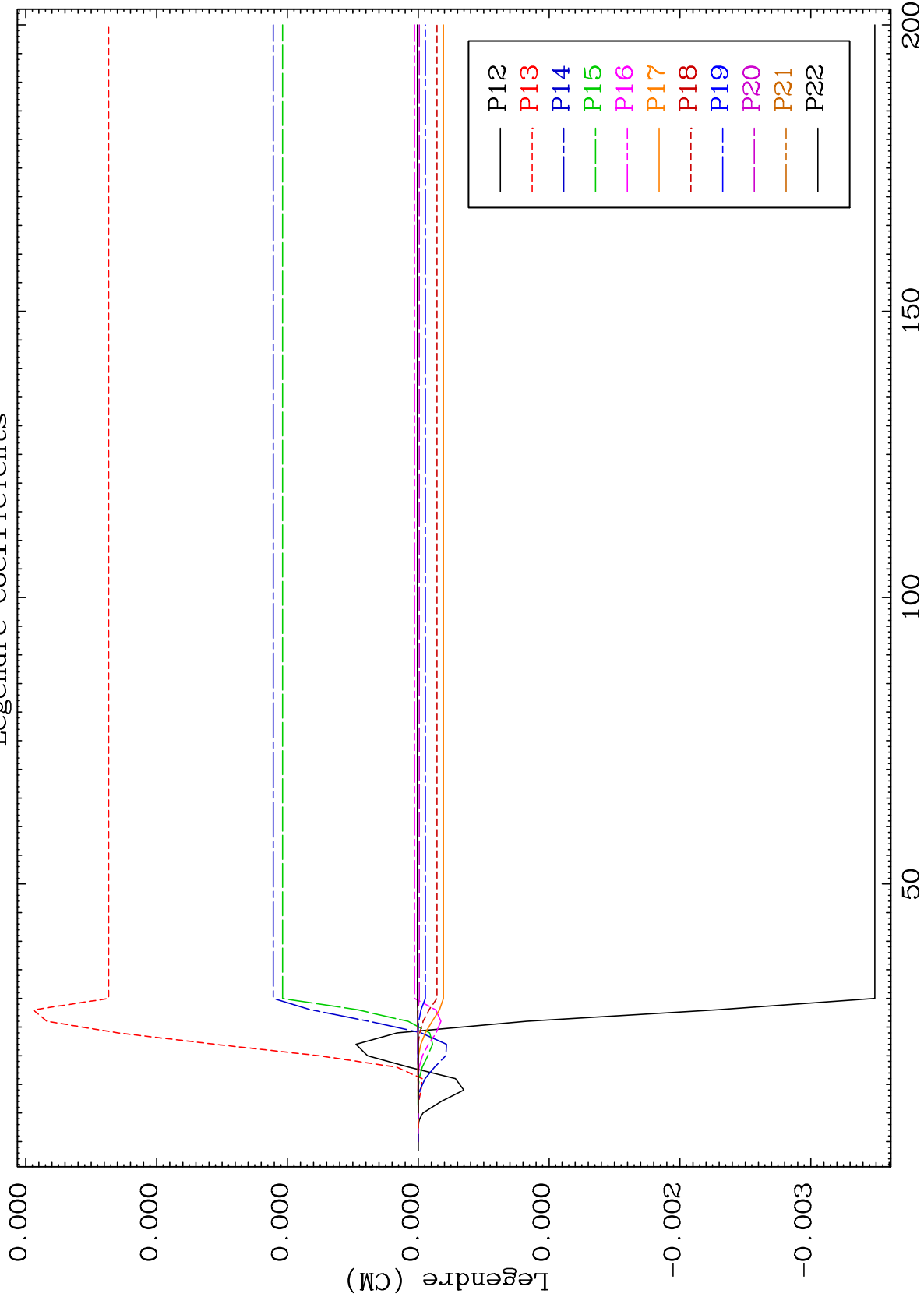
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



104

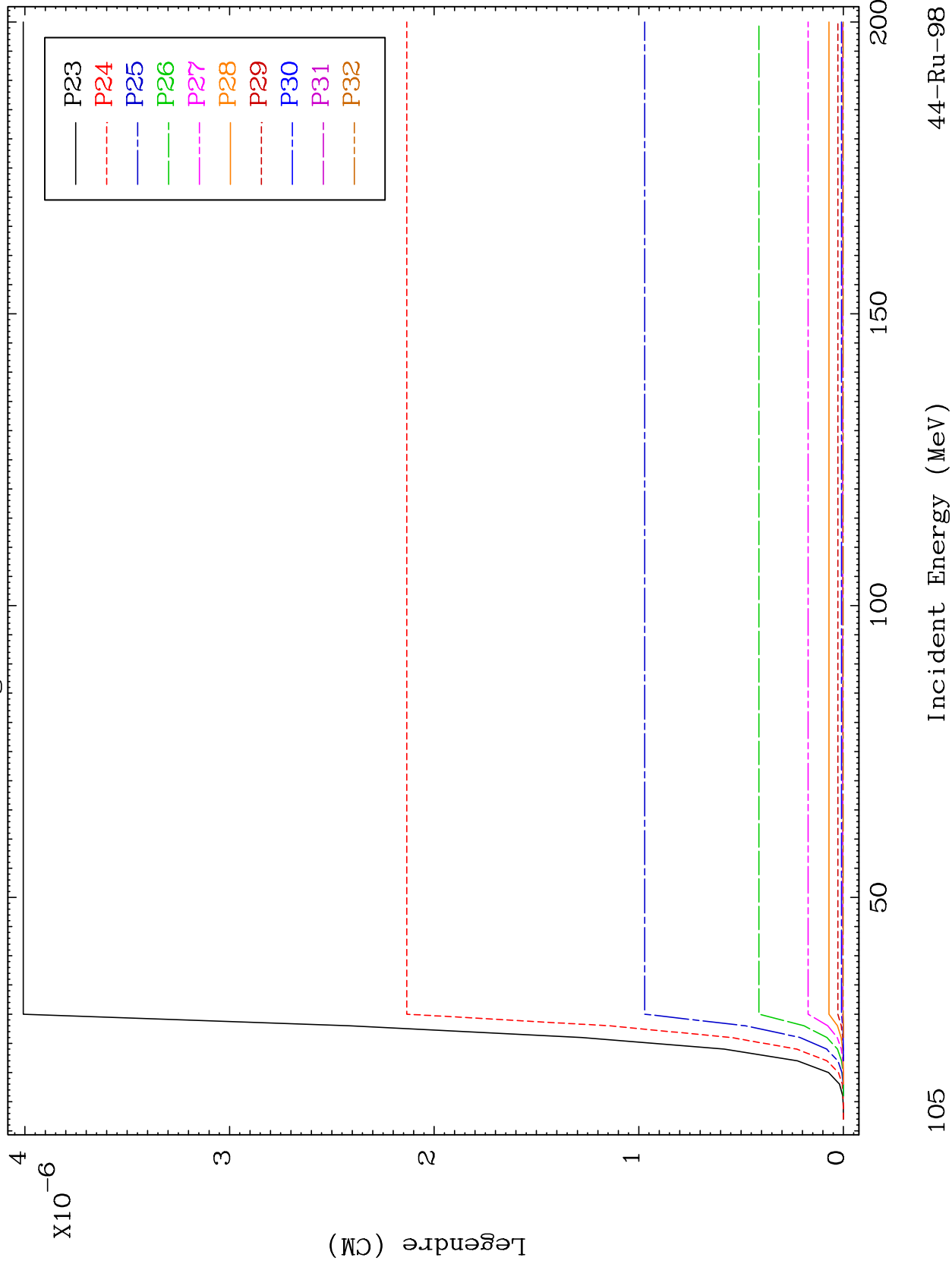
Incident Energy (MeV)

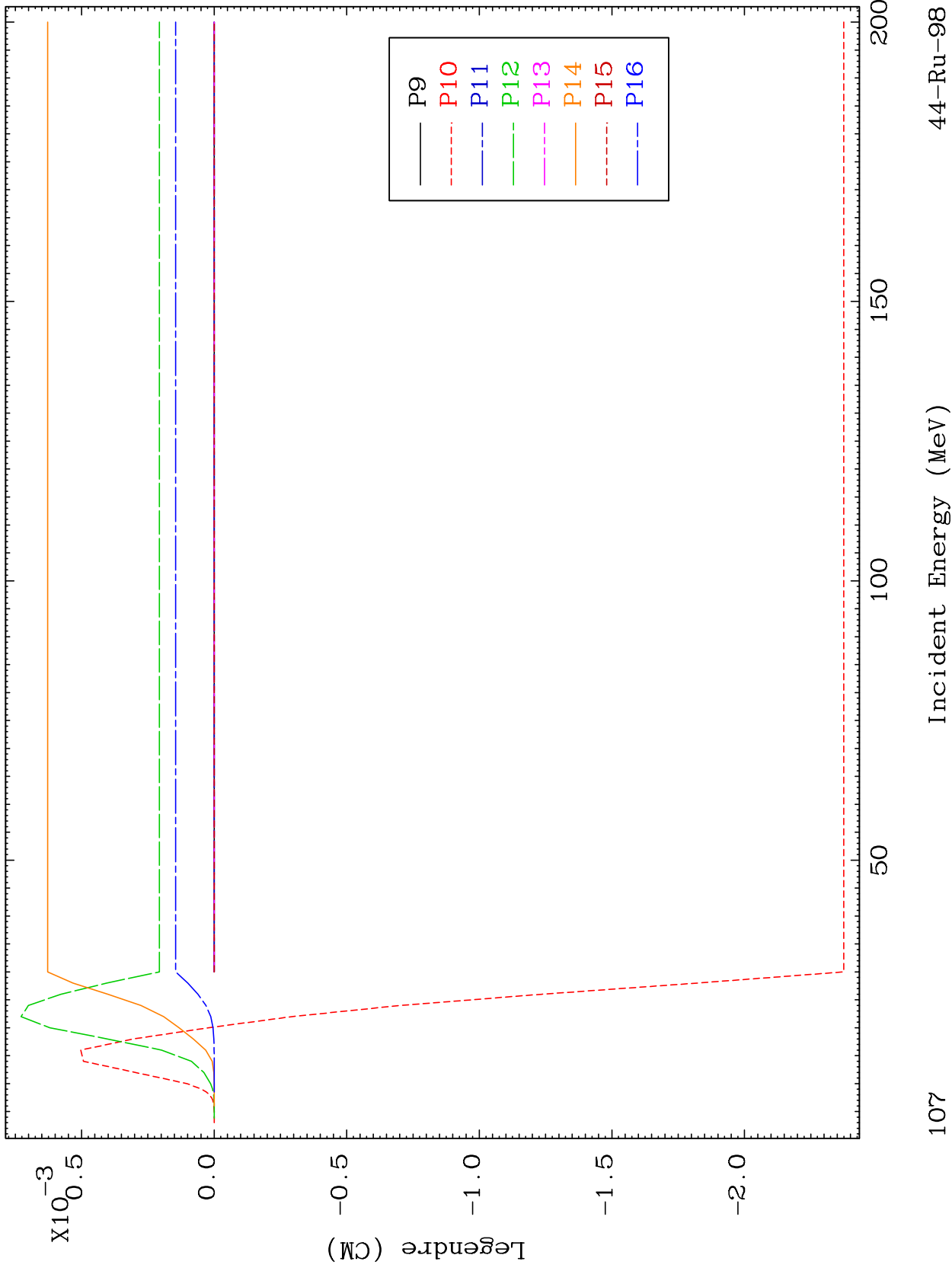
44-Ru-98

MAT 4431

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

44-Ru-98

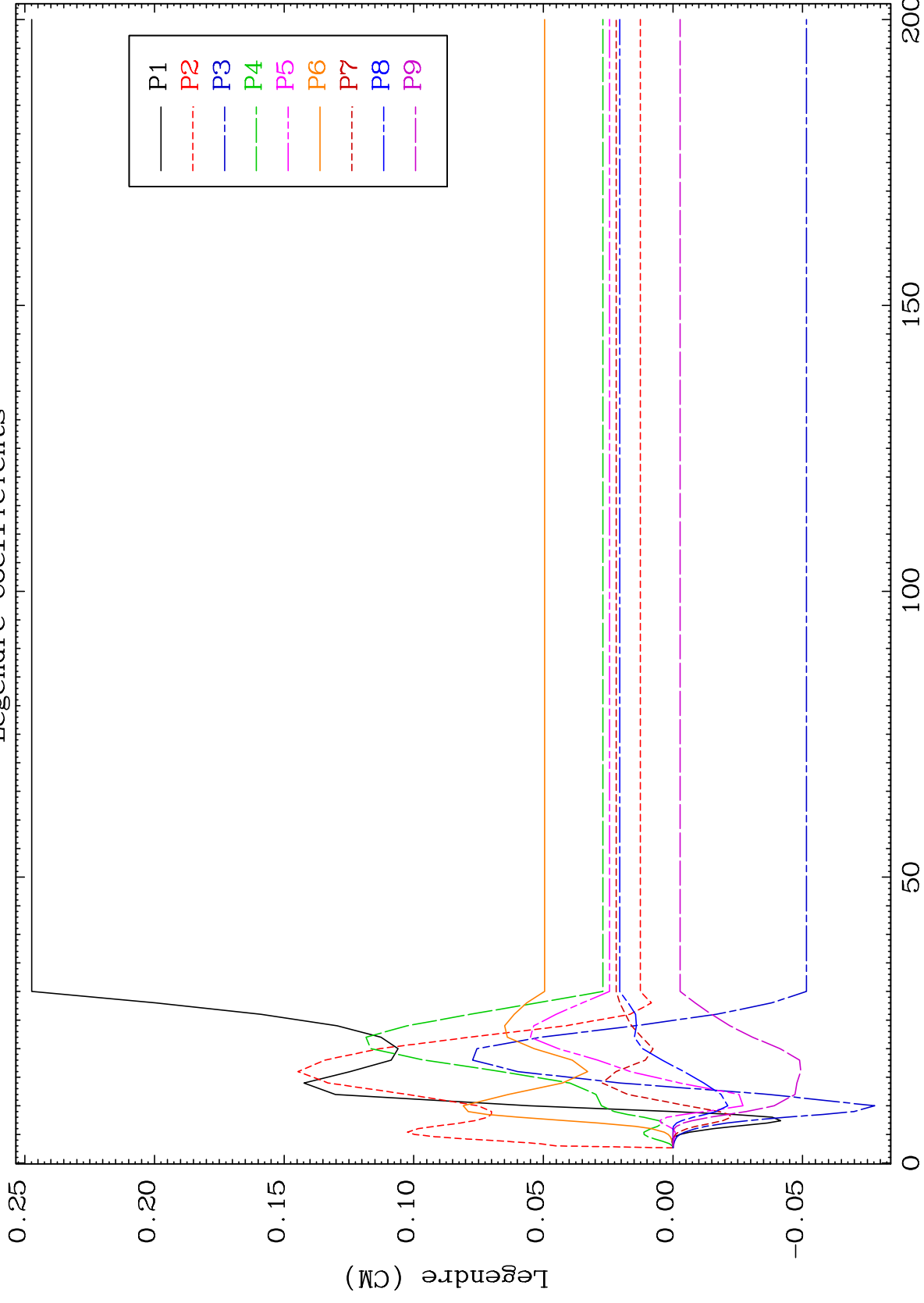




MAT 4431

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

44-Ru-98



109

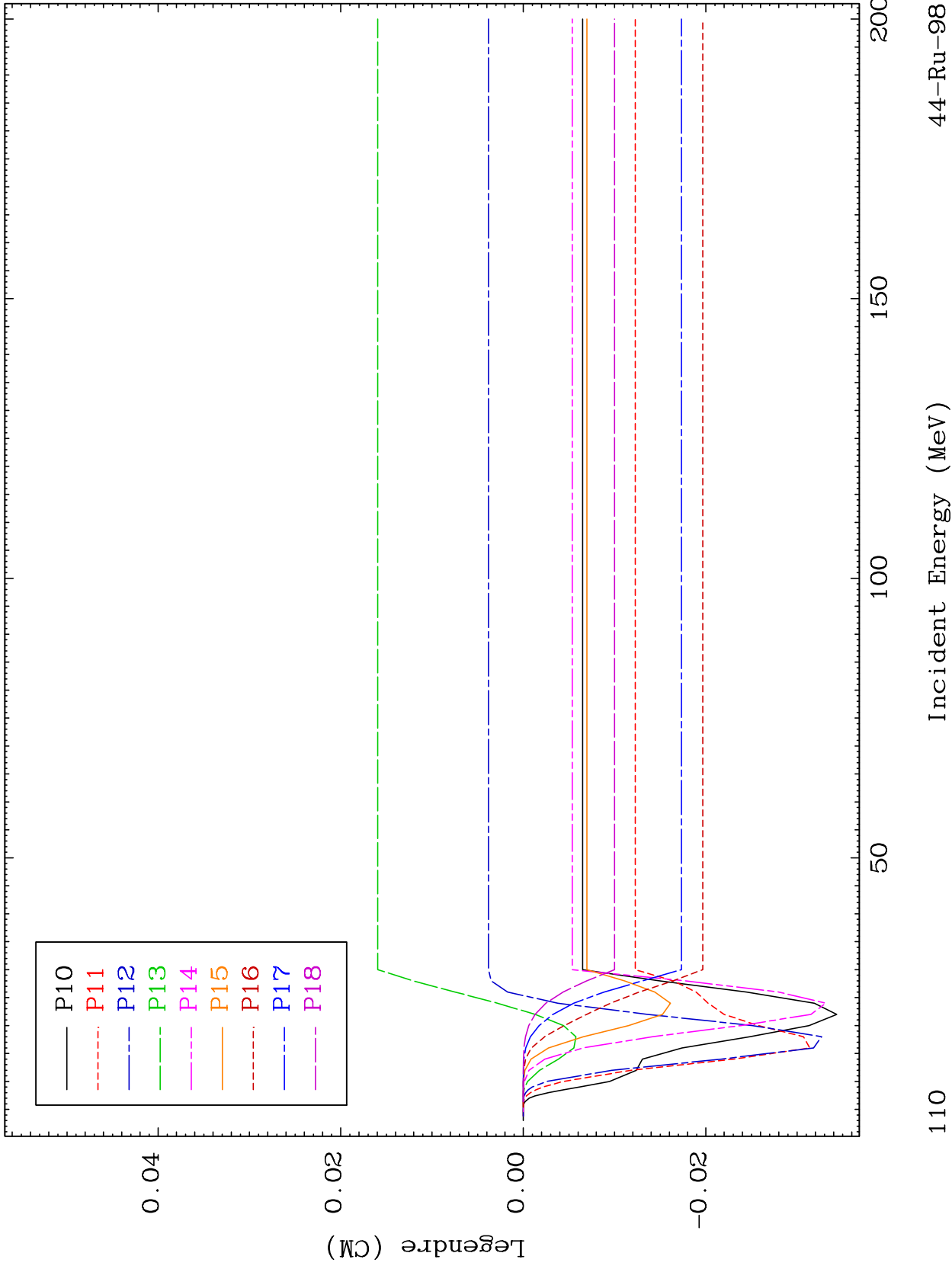
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

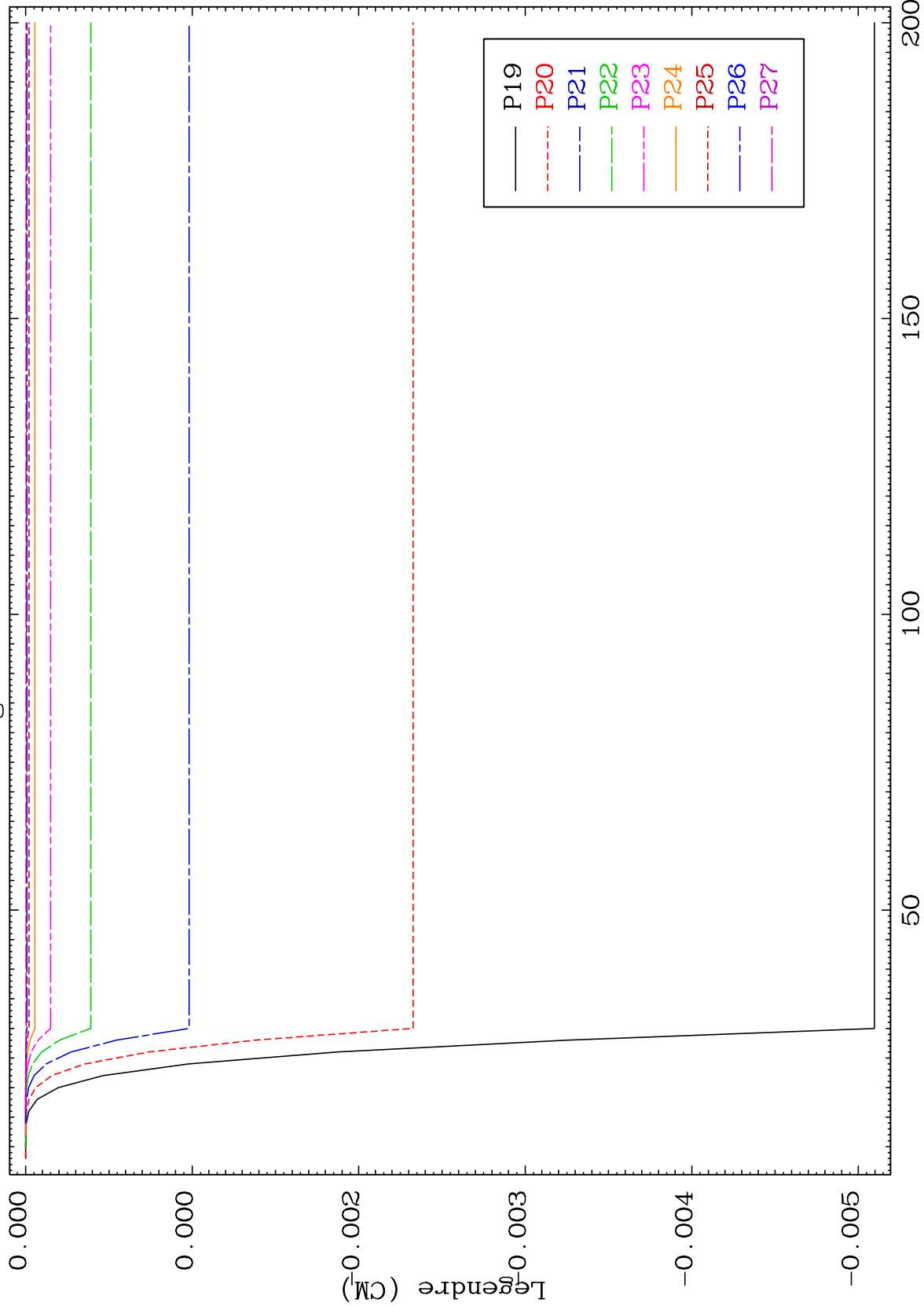
44-Ru-98

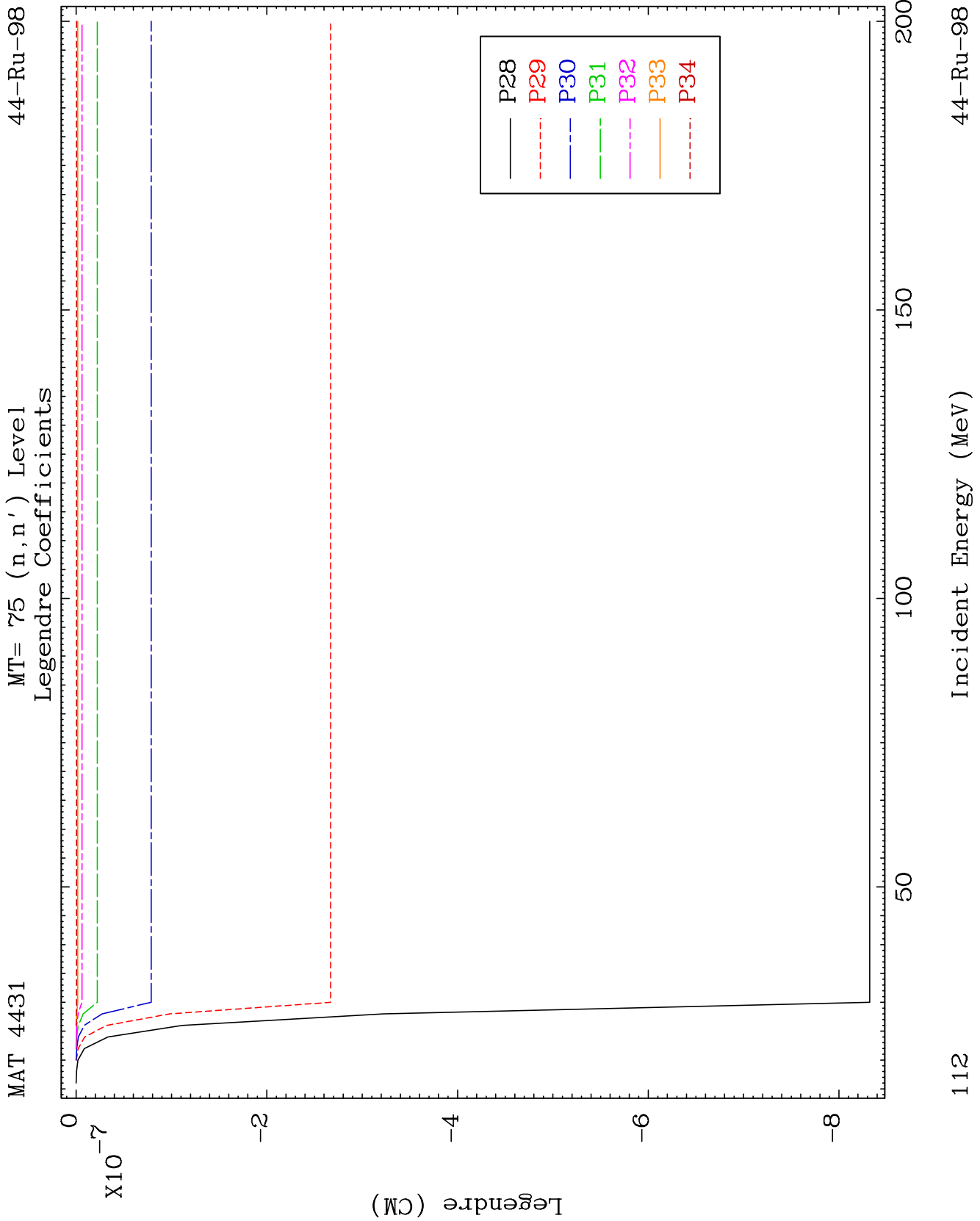


110

Incident Energy (MeV)

44-Ru-98

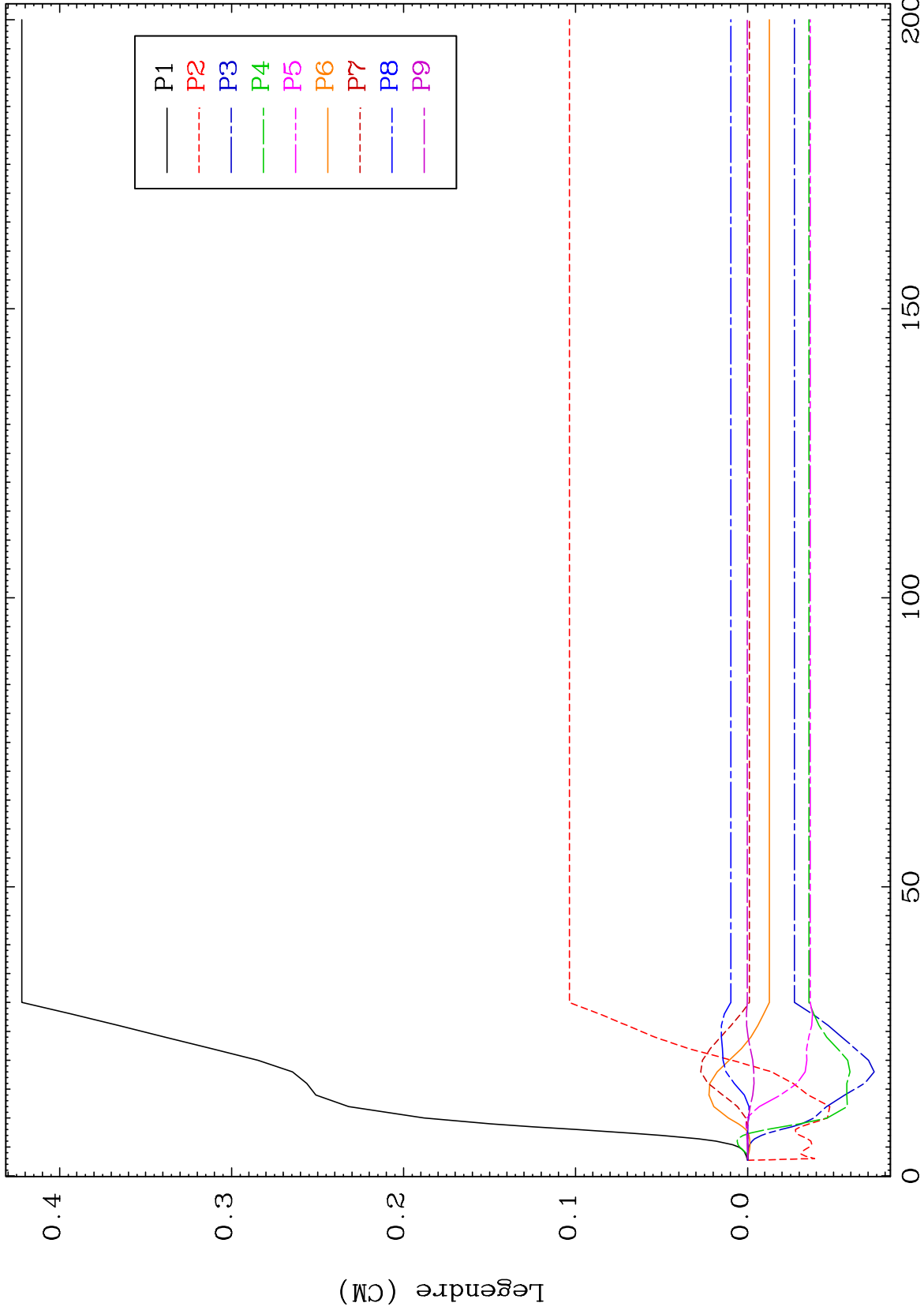




MAT 4431

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

44-Ru-98



113

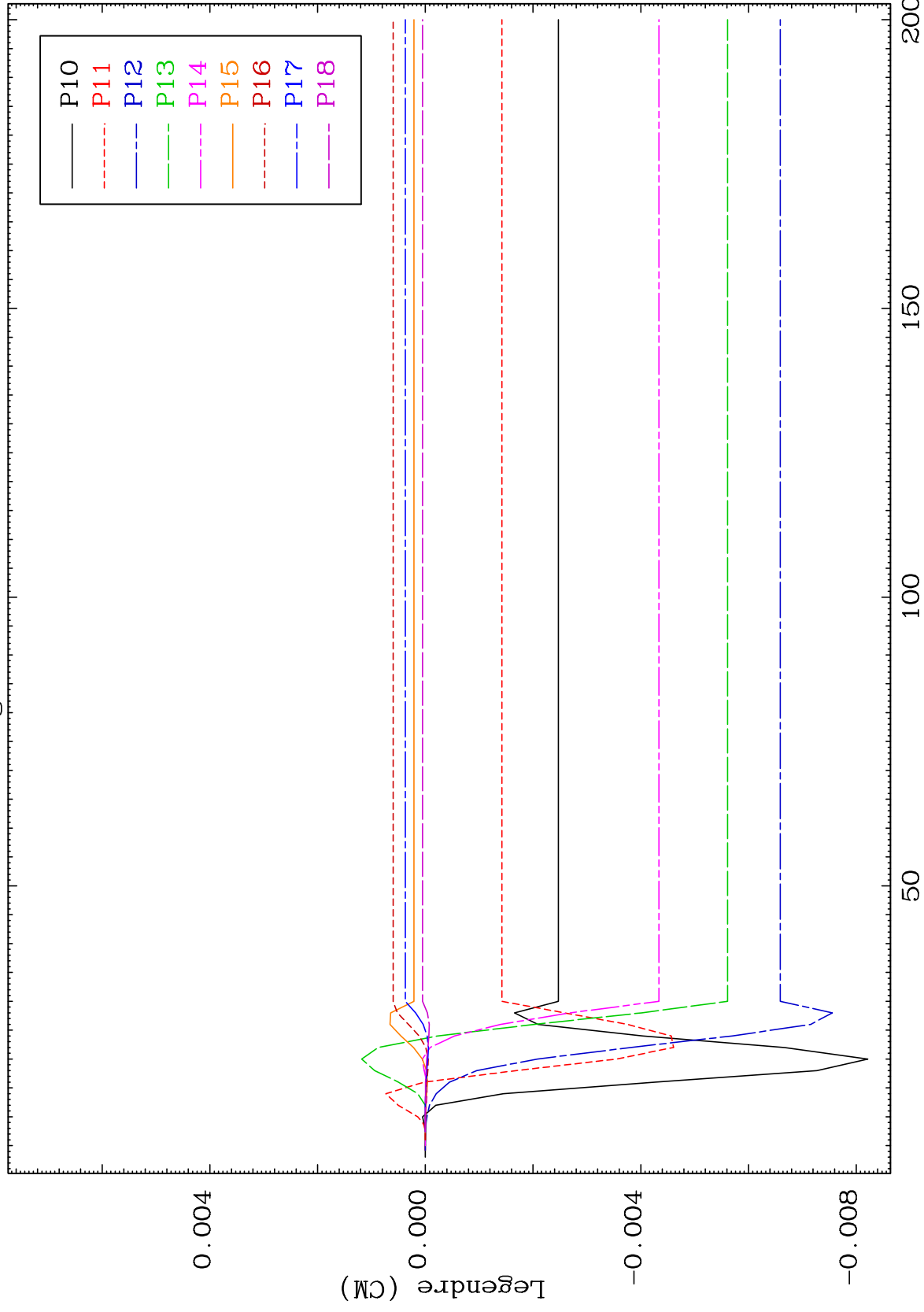
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



114

Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

$\times 10^{-5}$

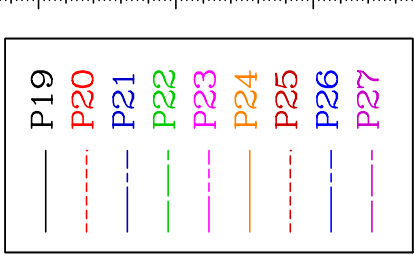
4

Legendre (CM)

0

-4

-8



200

150

100

50

115

Incident Energy (MeV)

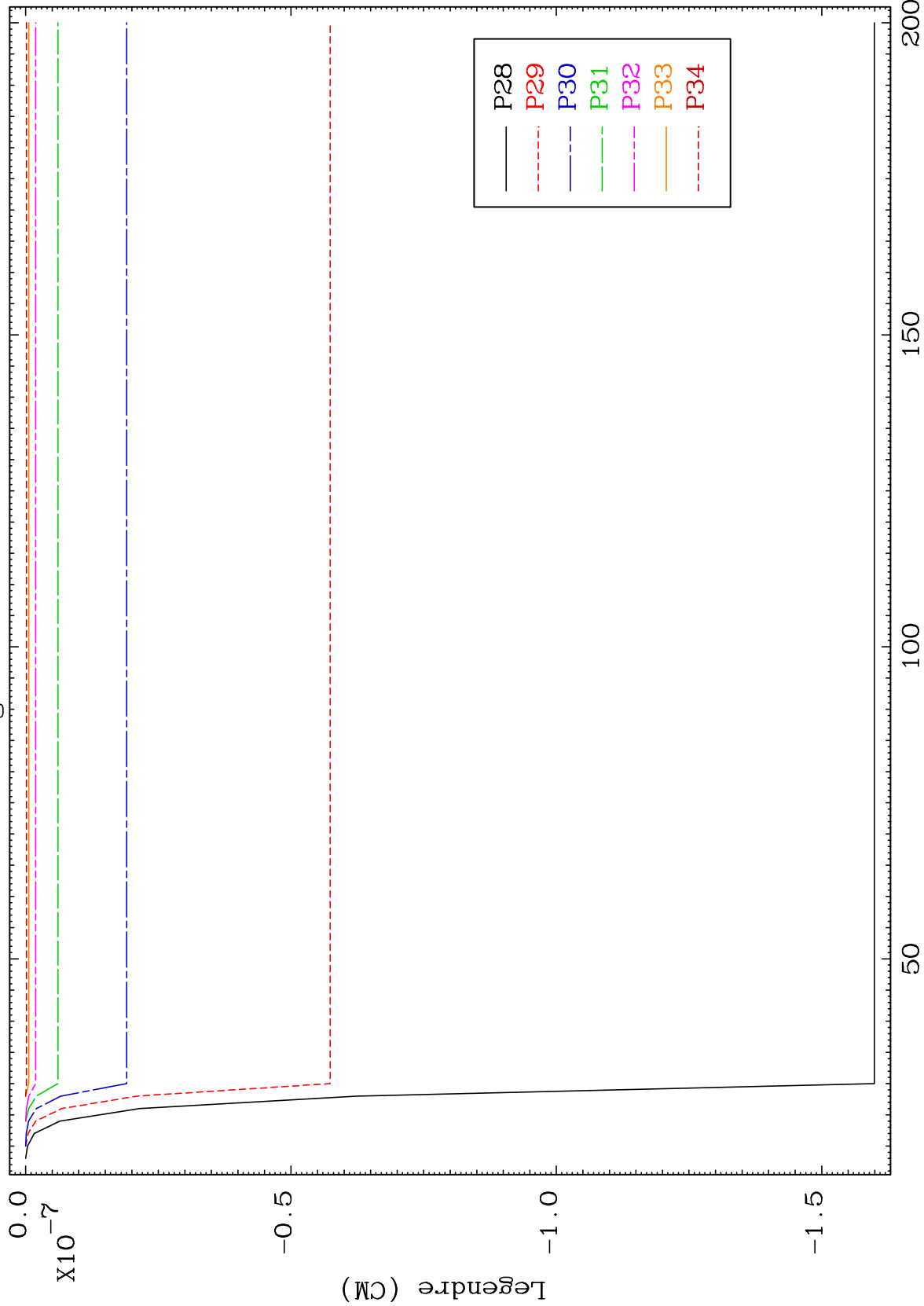
44-Ru-98

MAT 4431

MT= 76 (n,n') Level

44-Ru-98

Legendre Coefficients



44-Ru-98

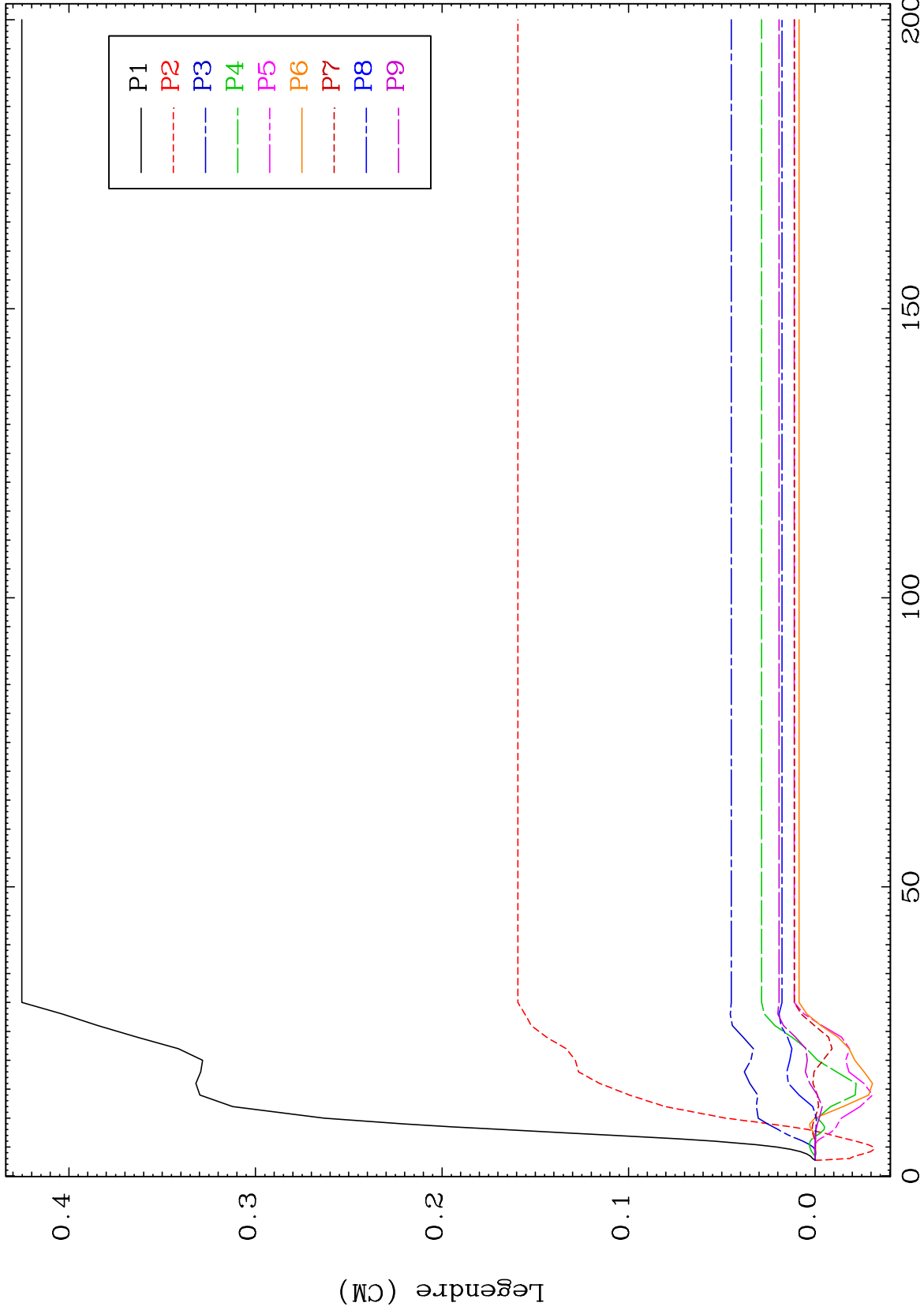
Incident Energy (MeV)

116

MAT 4431

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

44-Ru-98



117

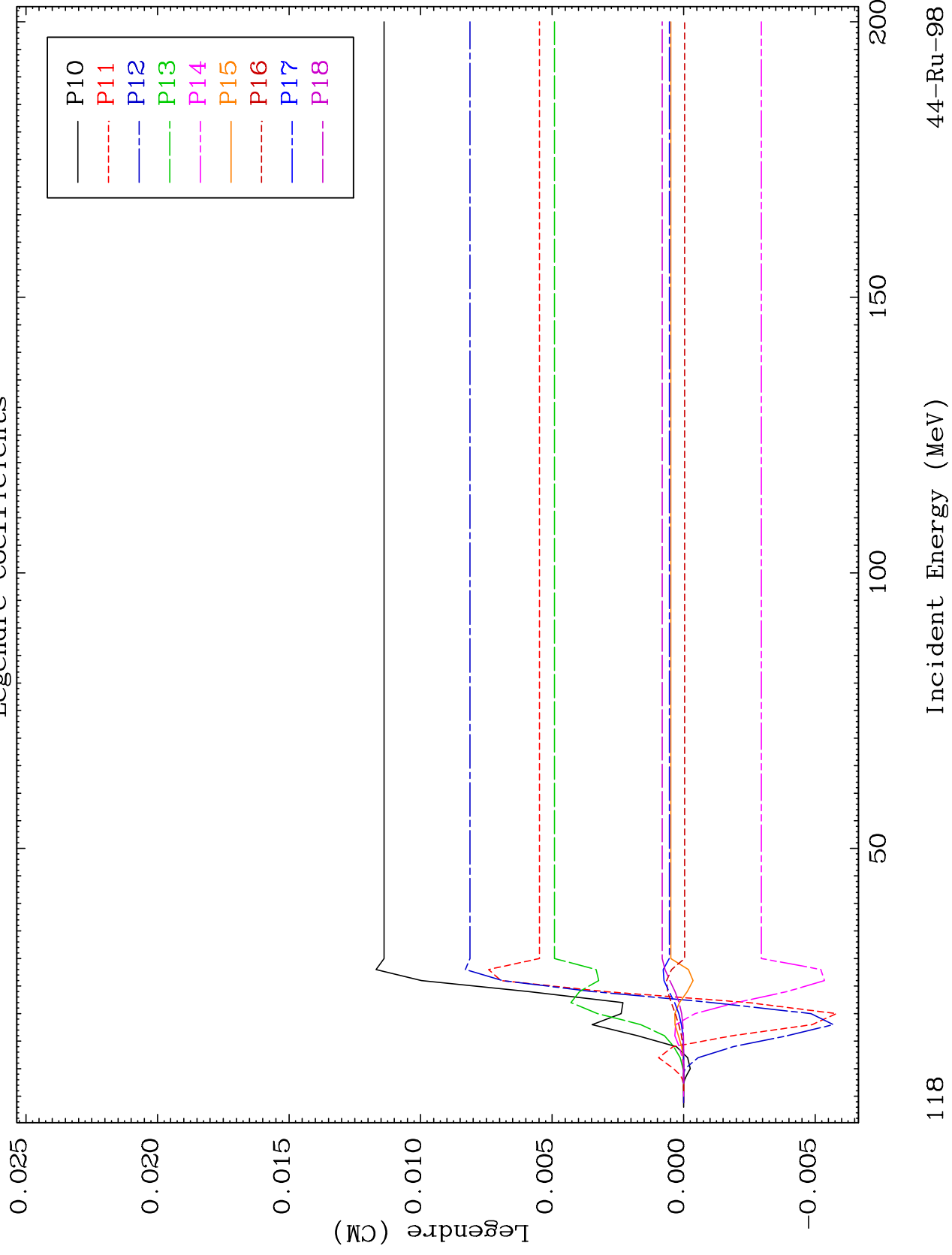
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



118

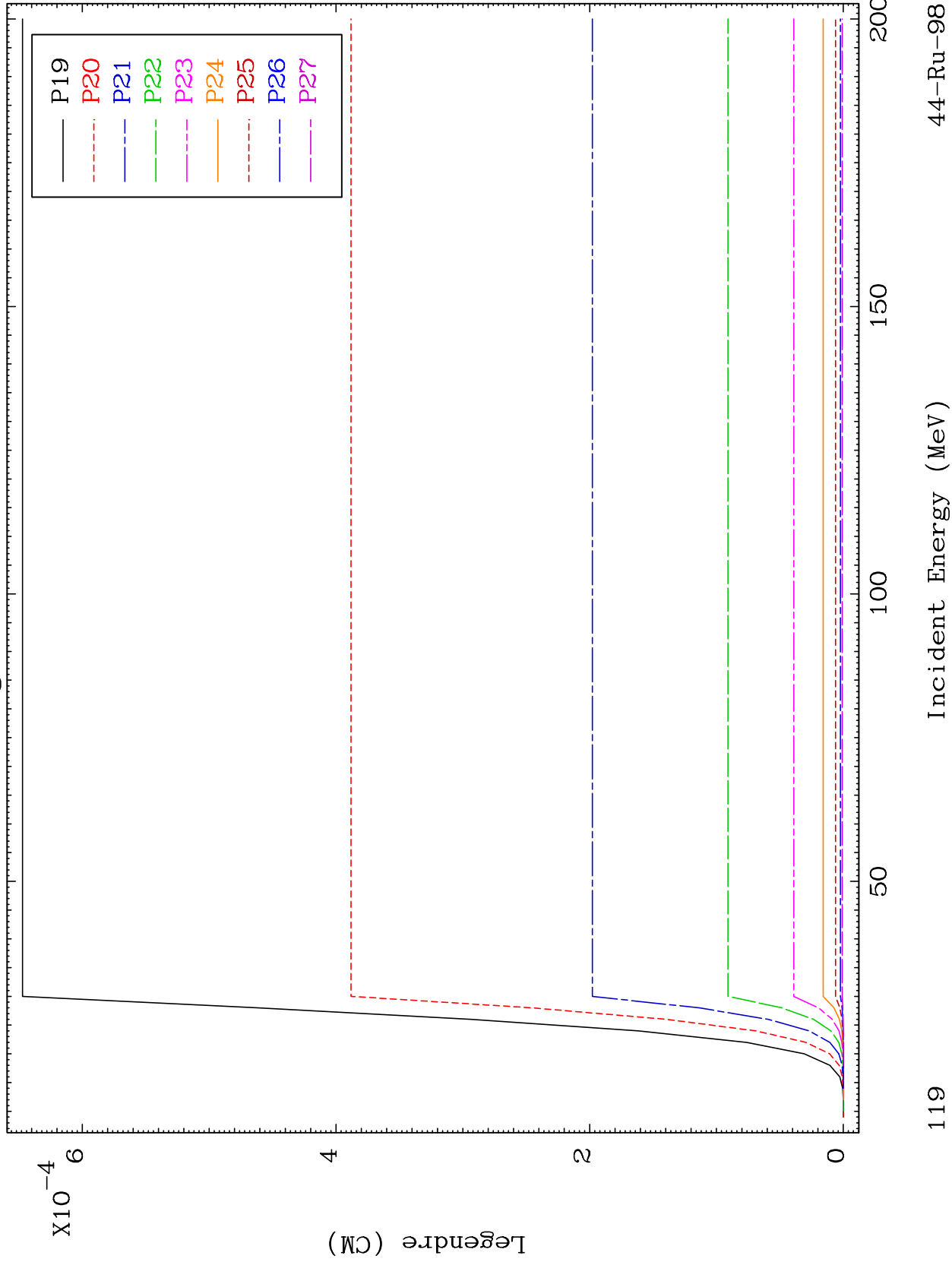
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

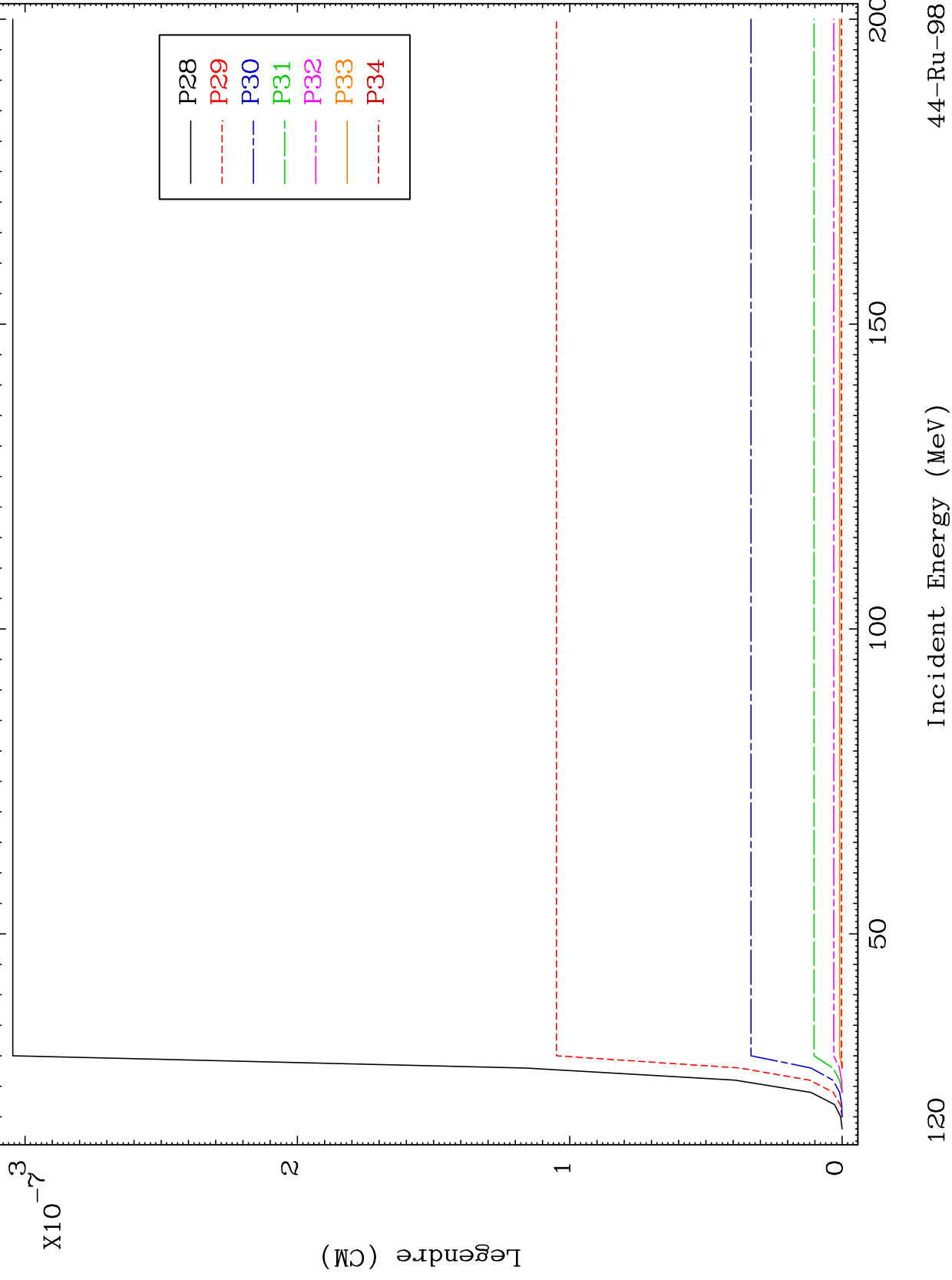


119

MAT 4431

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

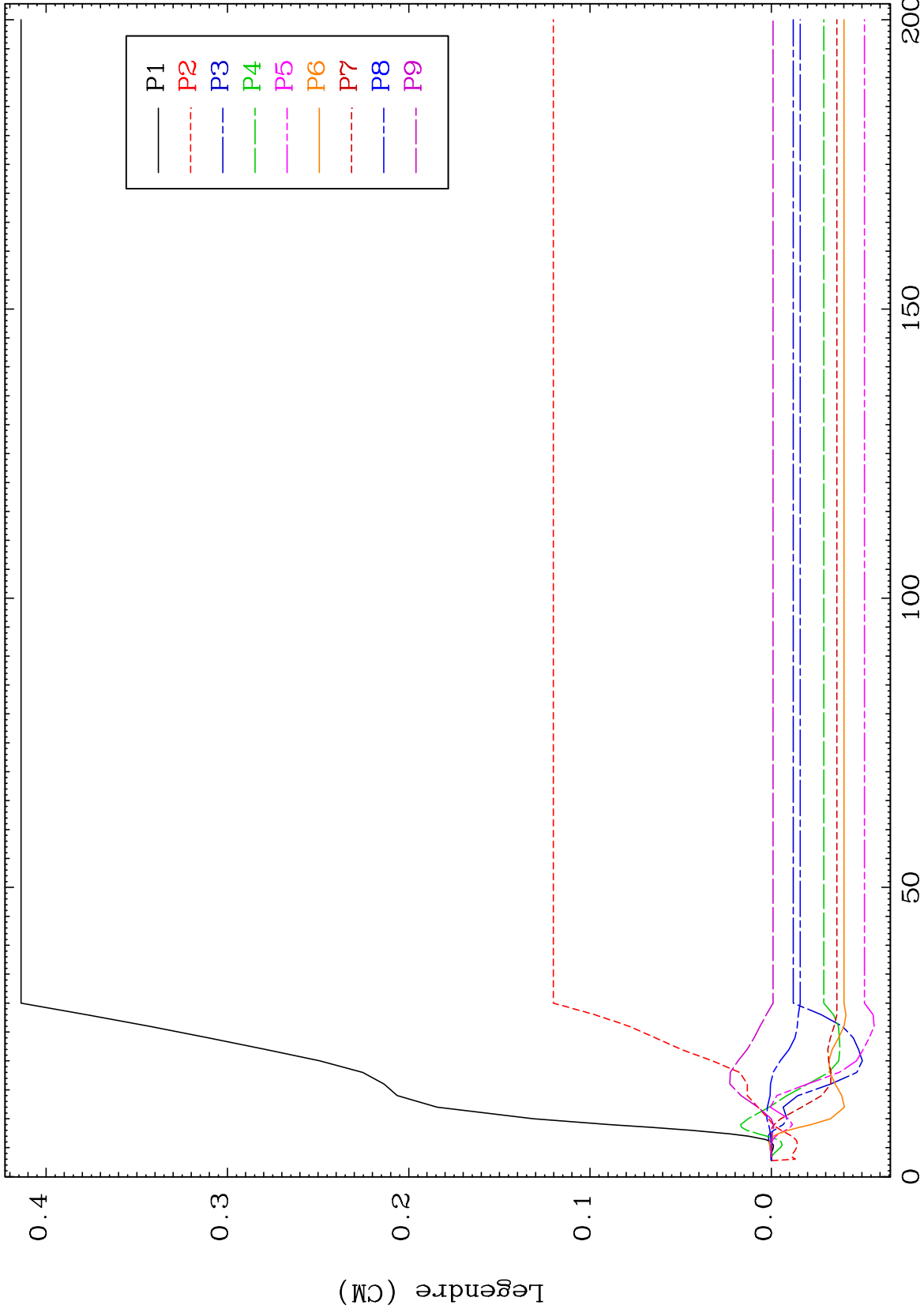
44-Ru-98



MAT 4431

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

44-Ru-98



121

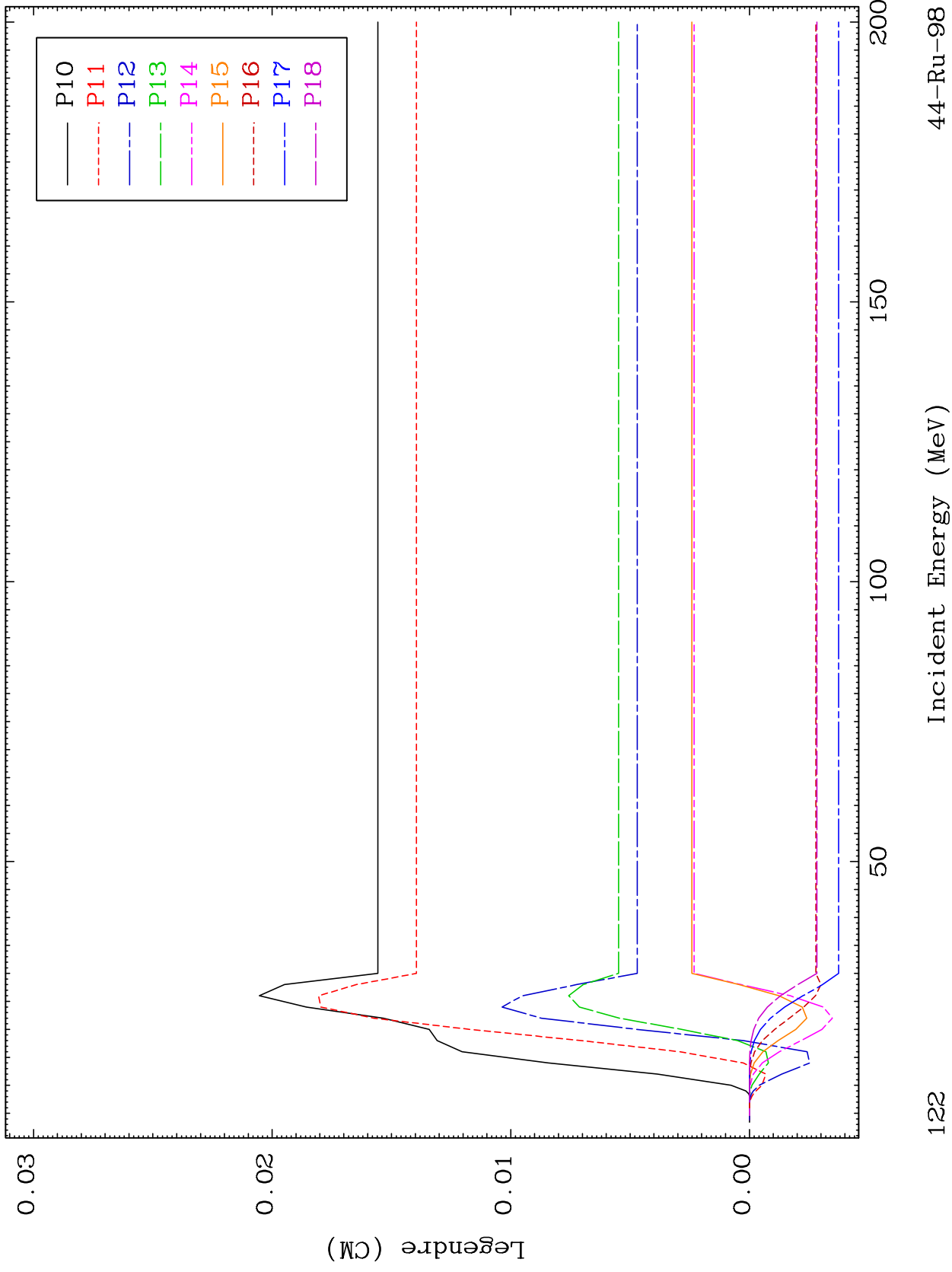
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



122

Incident Energy (MeV)

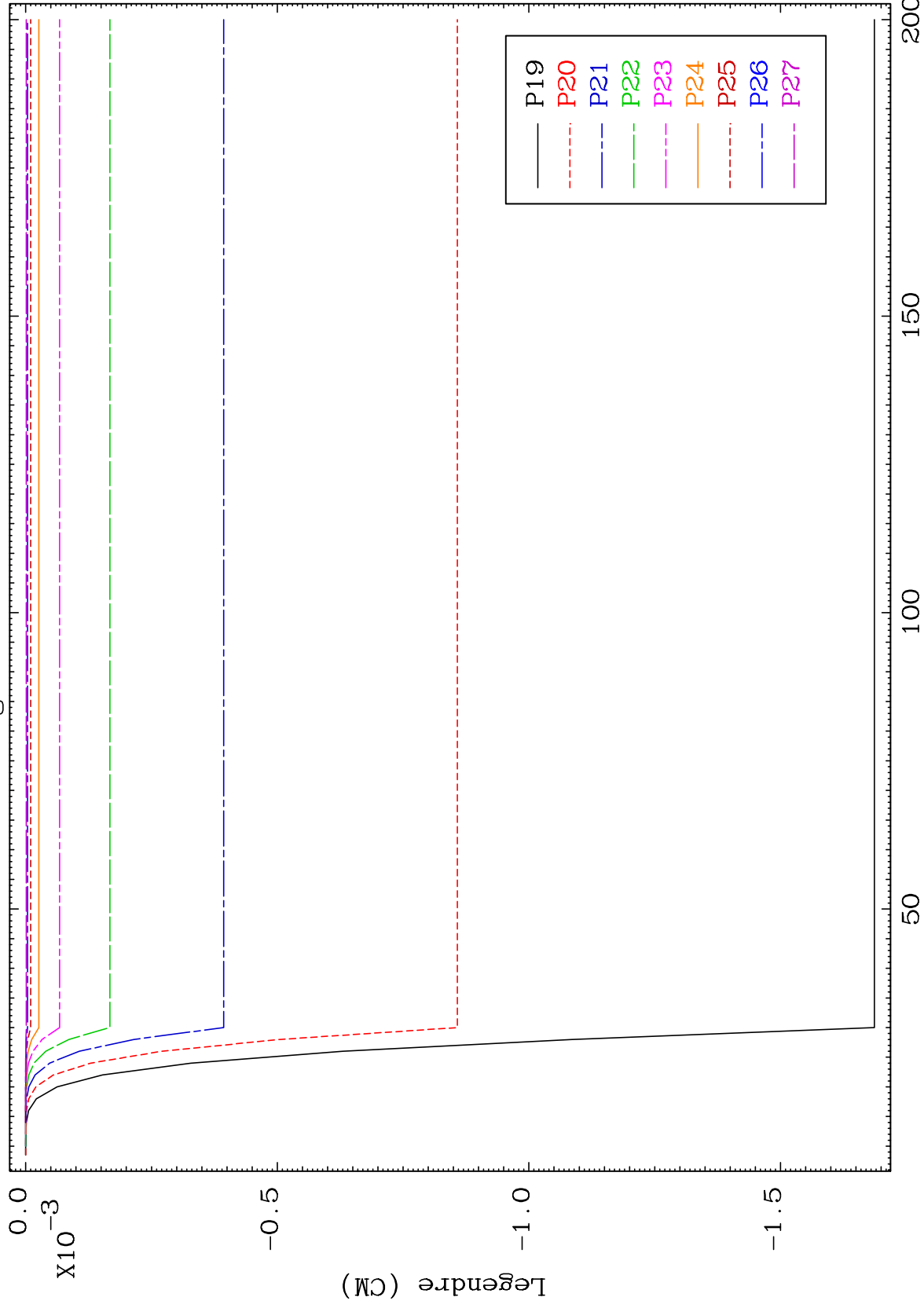
44-Ru-98

MAT 4431

MT= 78 (n,n') Level

44-Ru-98

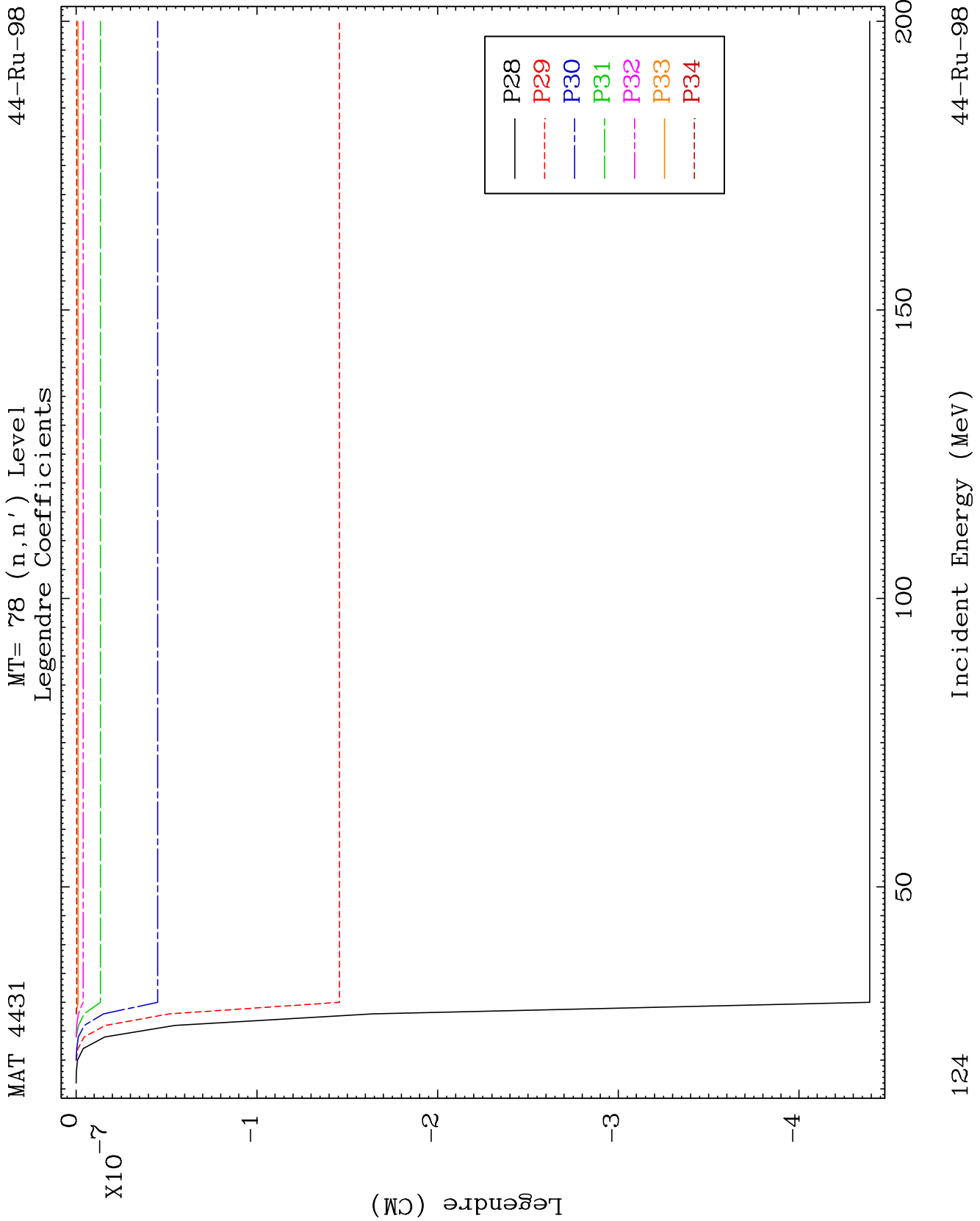
Legendre Coefficients



123

Incident Energy (MeV)

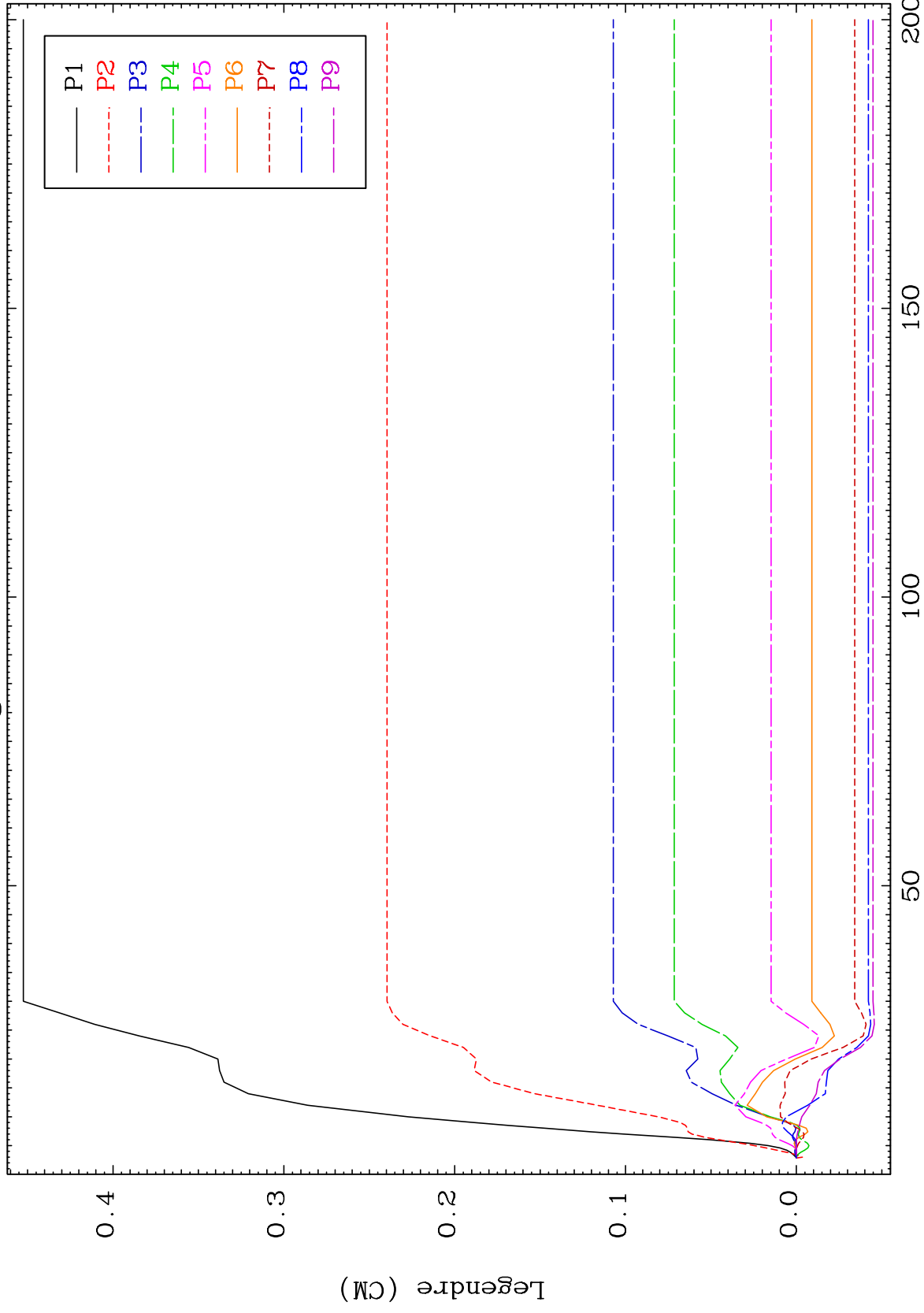
44-Ru-98



MAT 4431

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

44-Ru-98



125

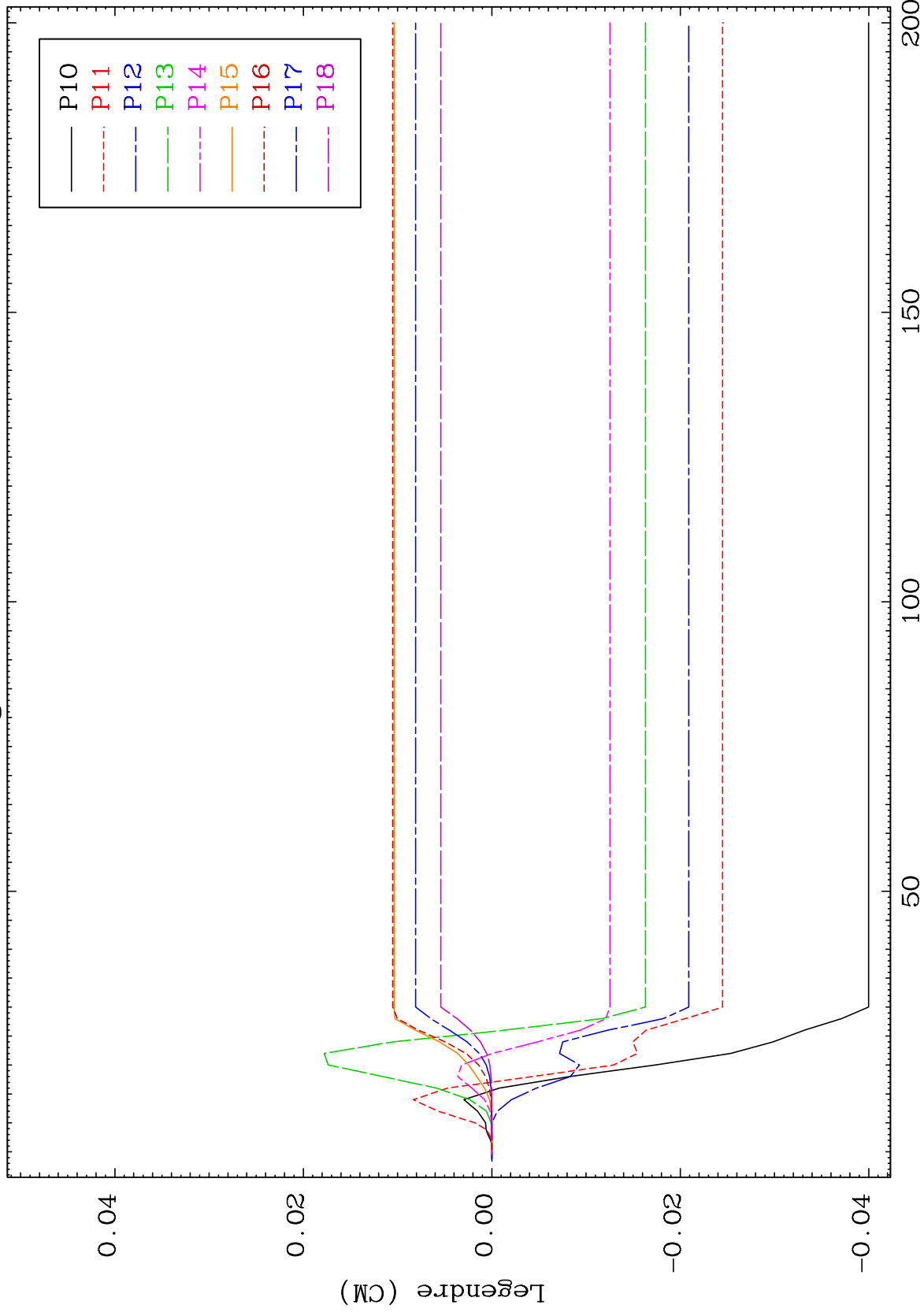
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



126

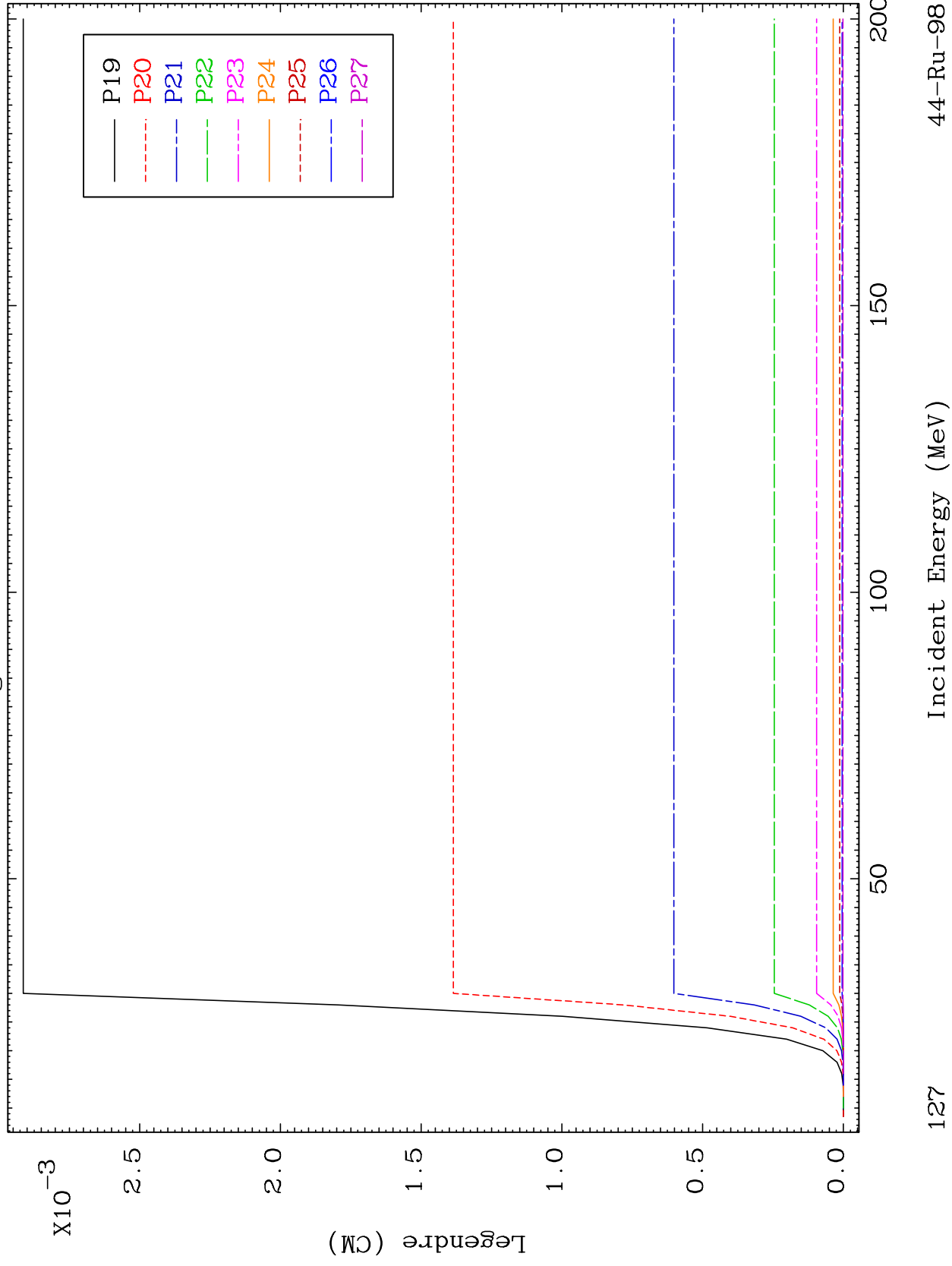
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

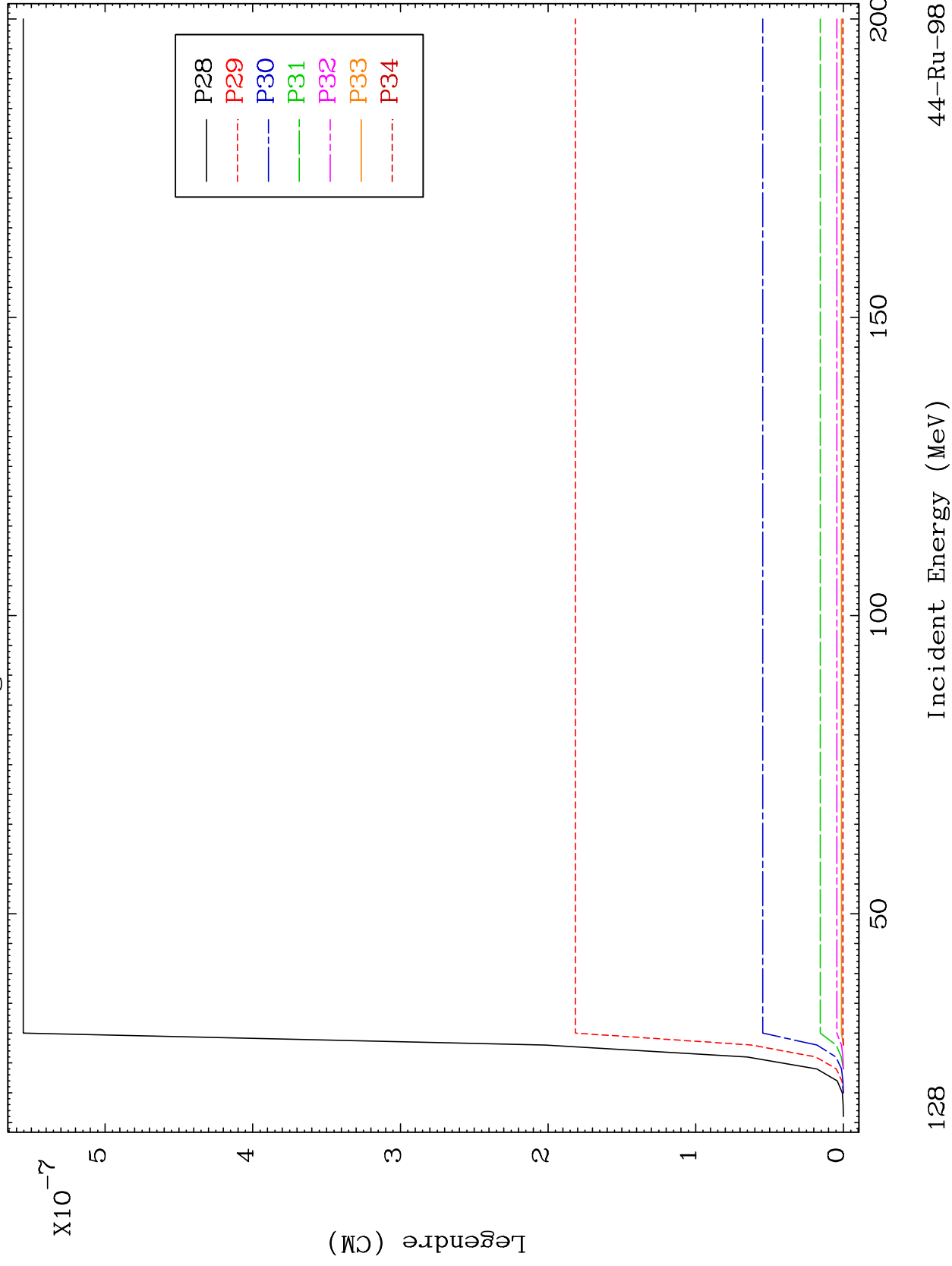
44-Ru-98



MAT 4431

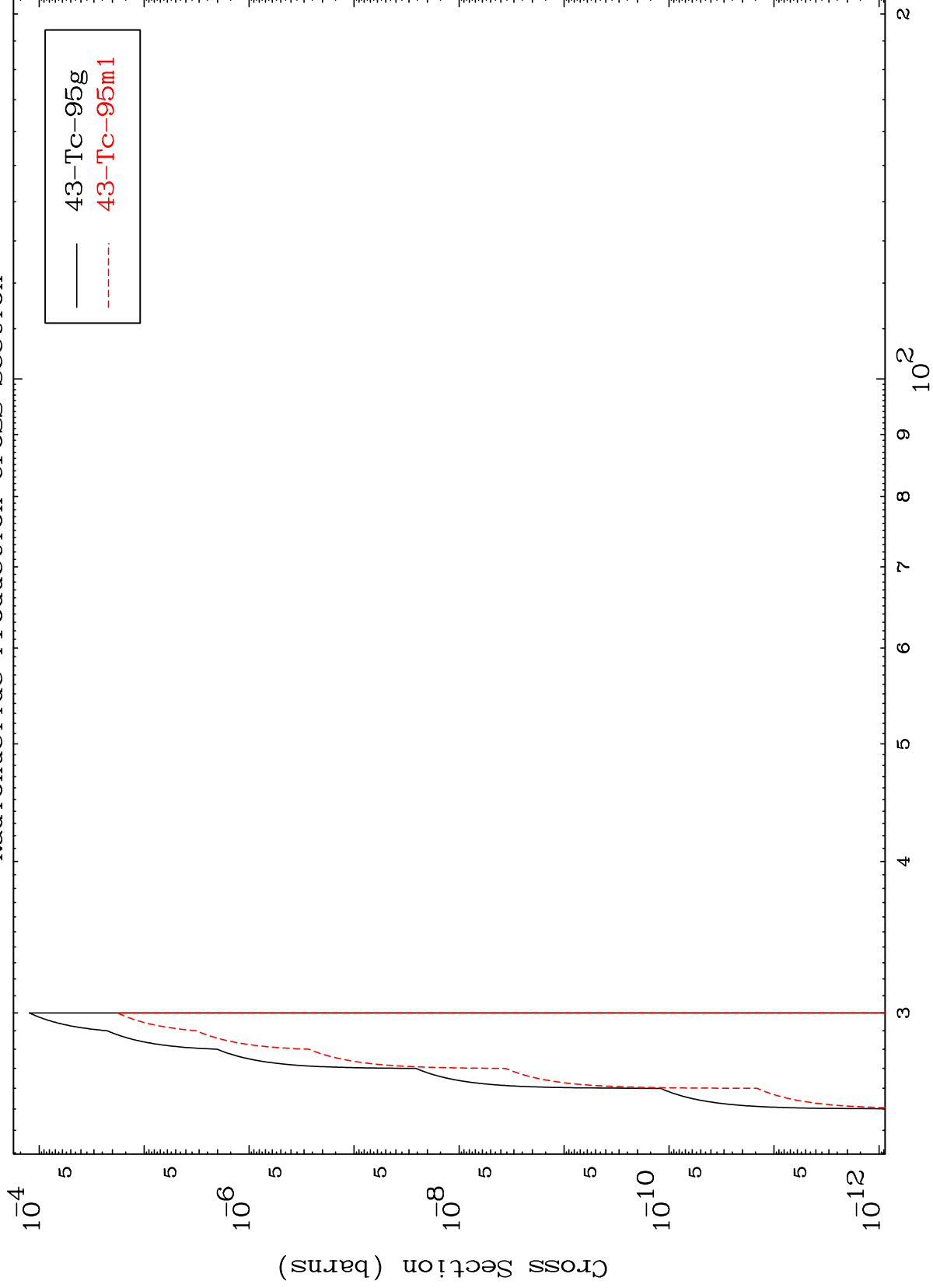
MT= 79 (n,n') Level
Legendre Coefficients

44-Ru-98



128

Radionuclide Production Cross Section

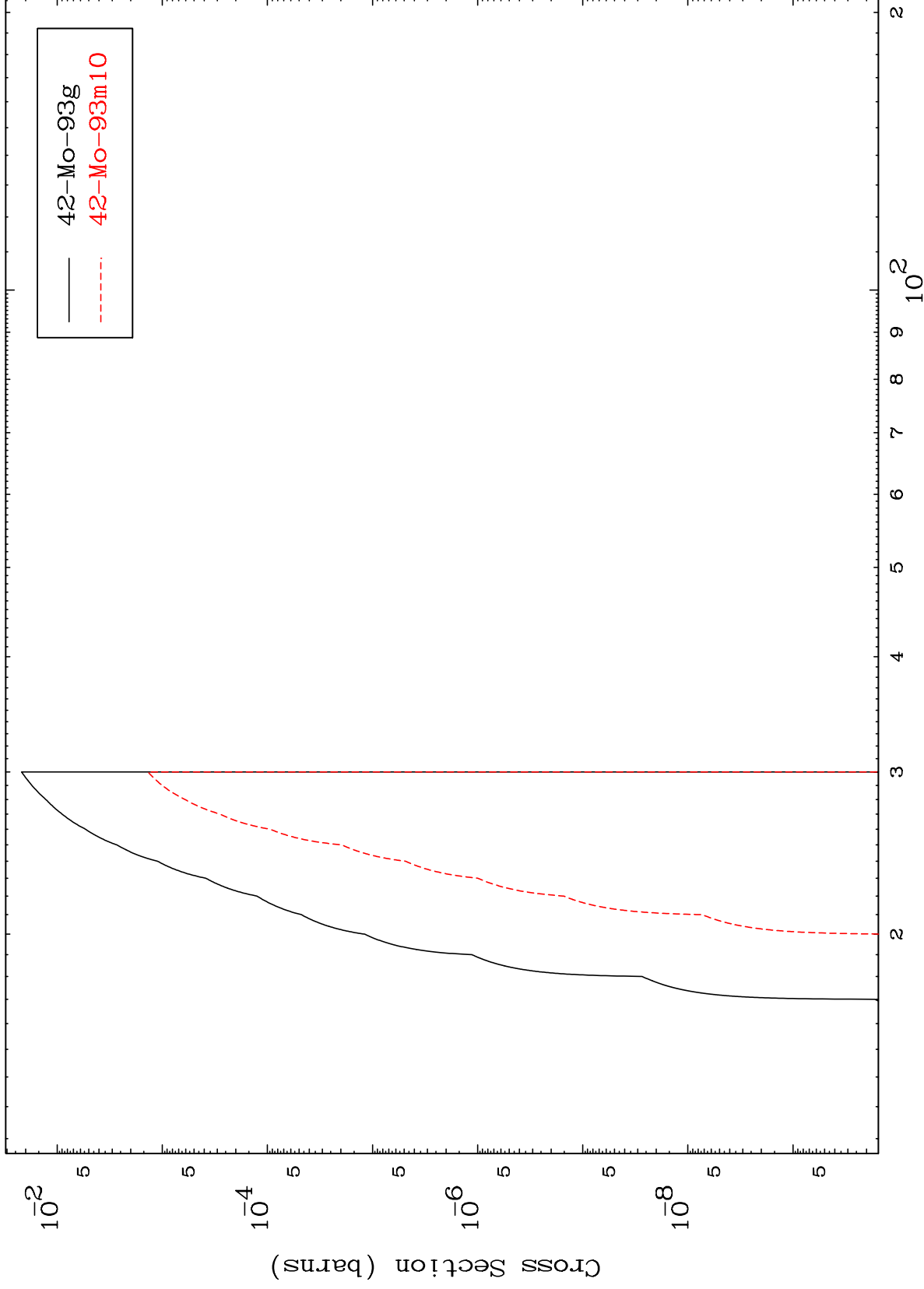


MAT 4431

(n,2n) α

44-Ru-98

Radionuclide Production Cross Section



130

Incident Energy (MeV)

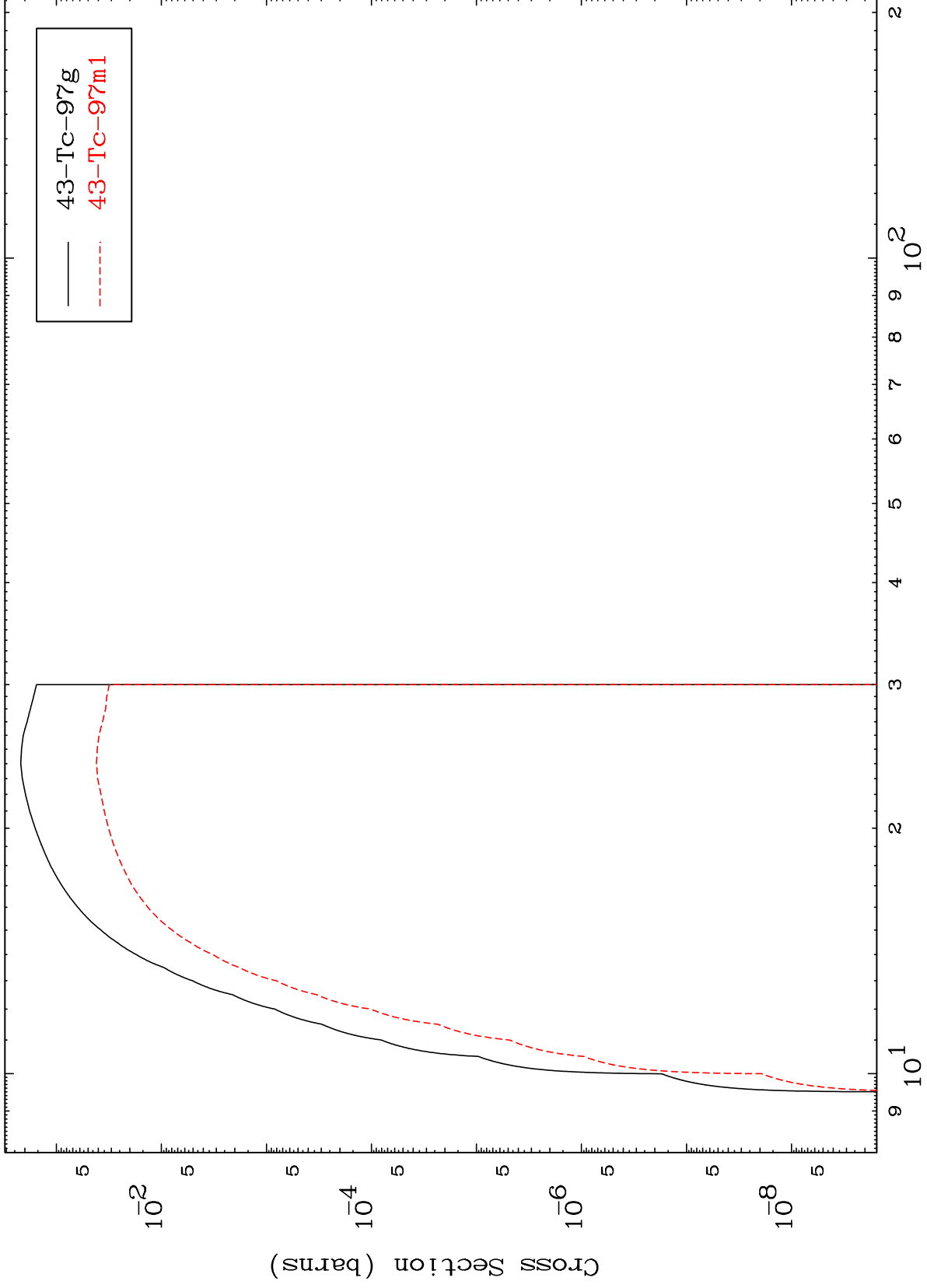
44-Ru-98

MAT 4431

(n,n') p

44-Ru-98

Radionuclide Production Cross Section



131

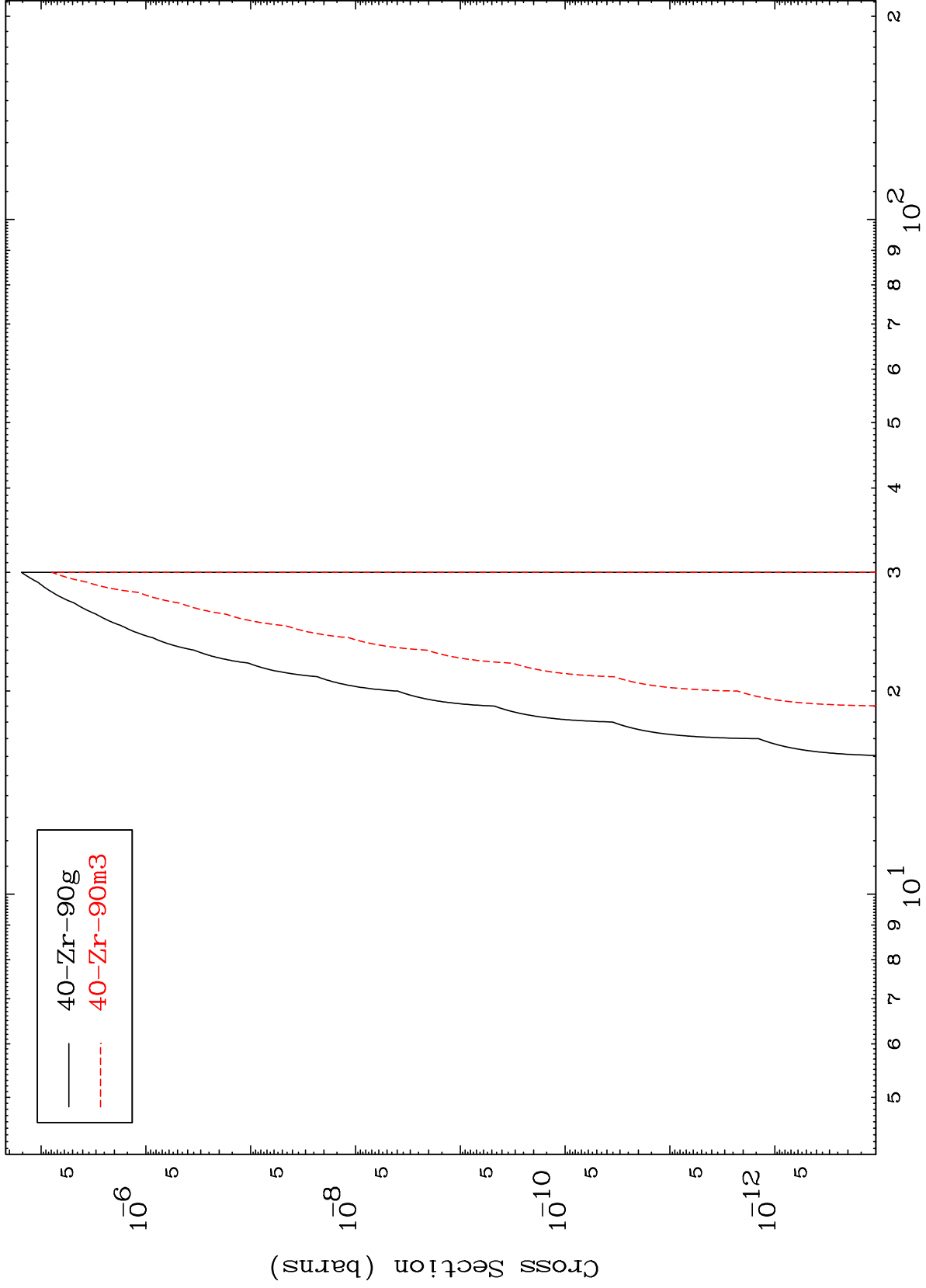
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

(n,n') 2α
Radionuclide Production Cross Section

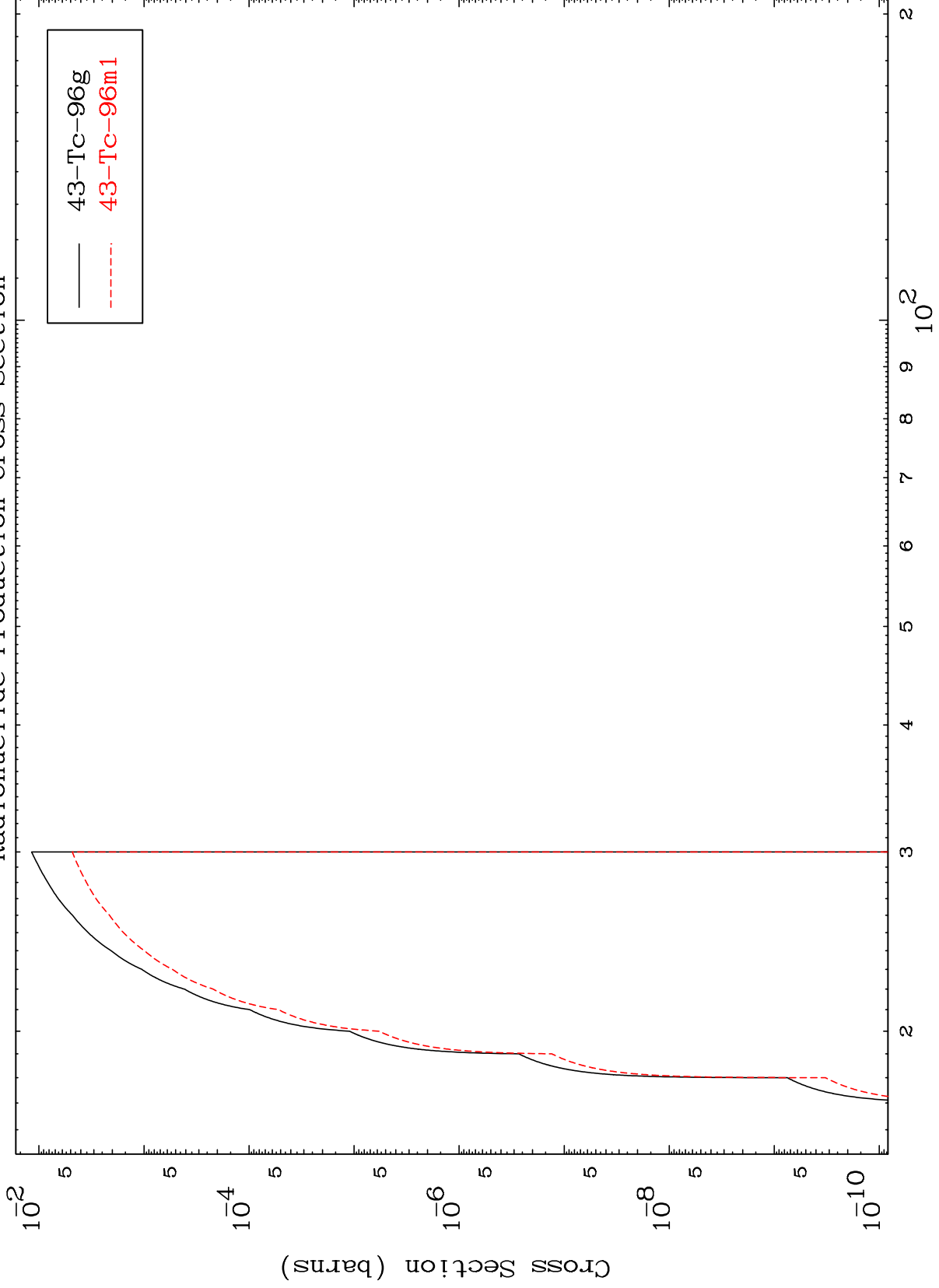


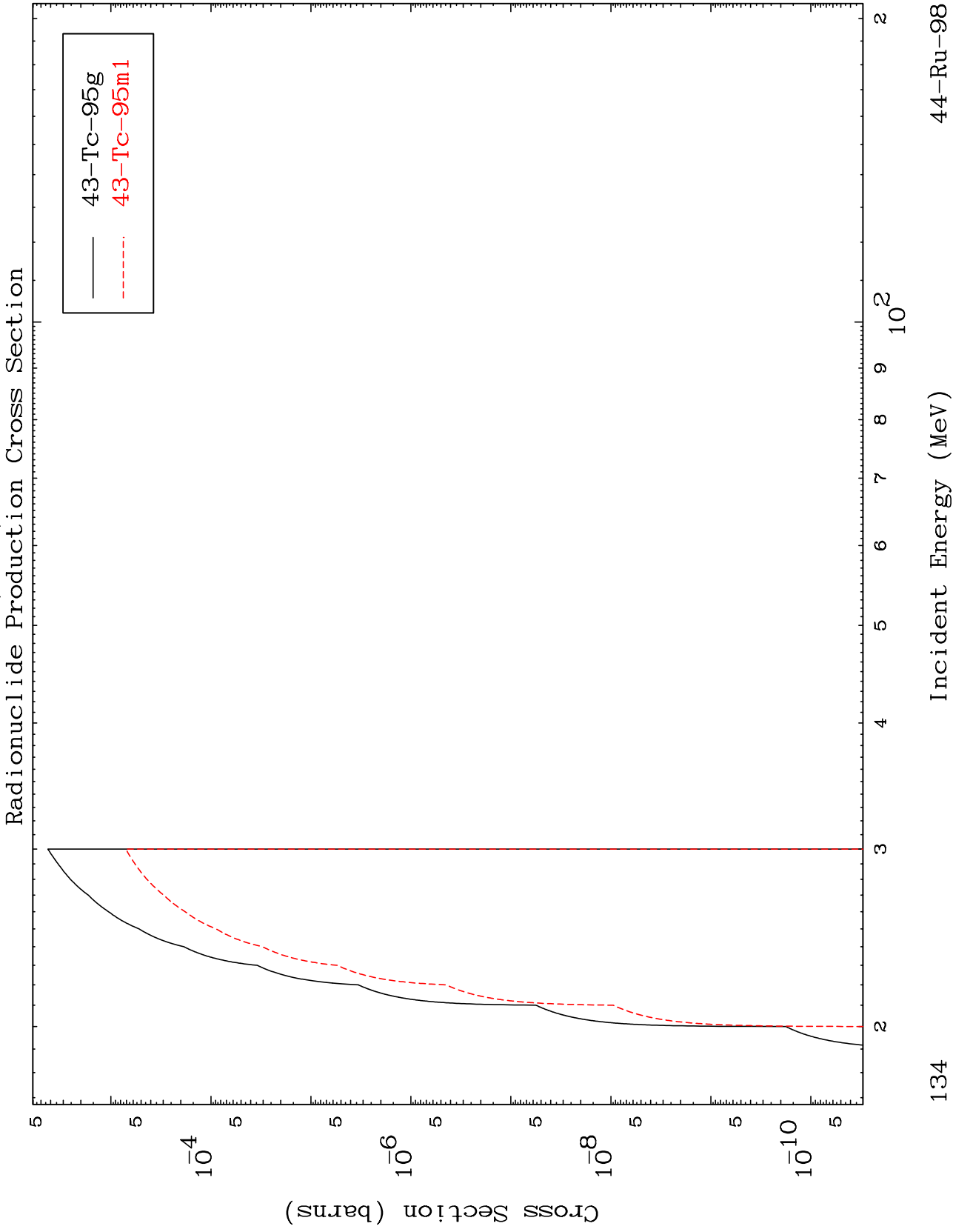
132

Incident Energy (MeV)

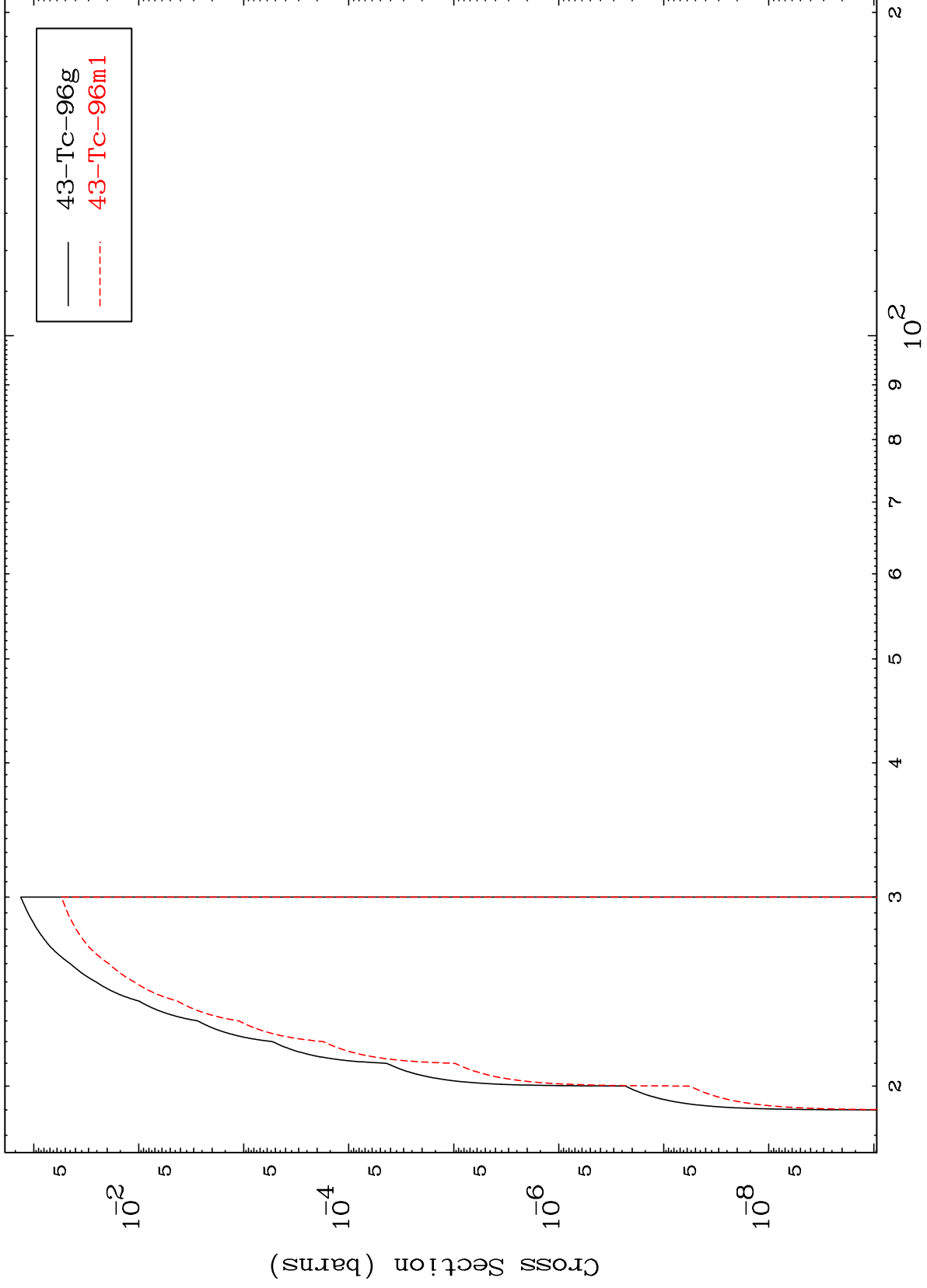
44-Ru-98

Radionuclide Production Cross Section

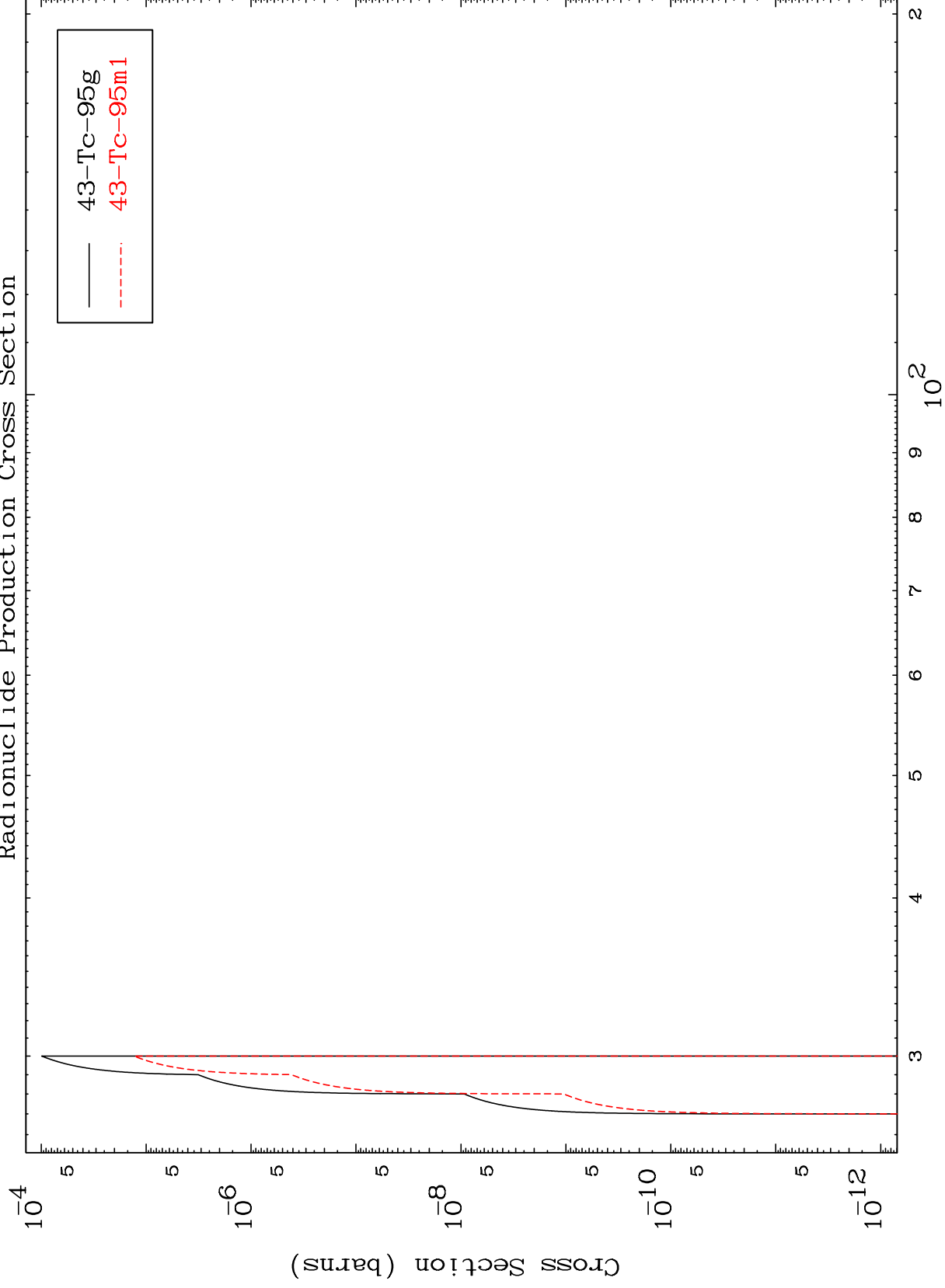




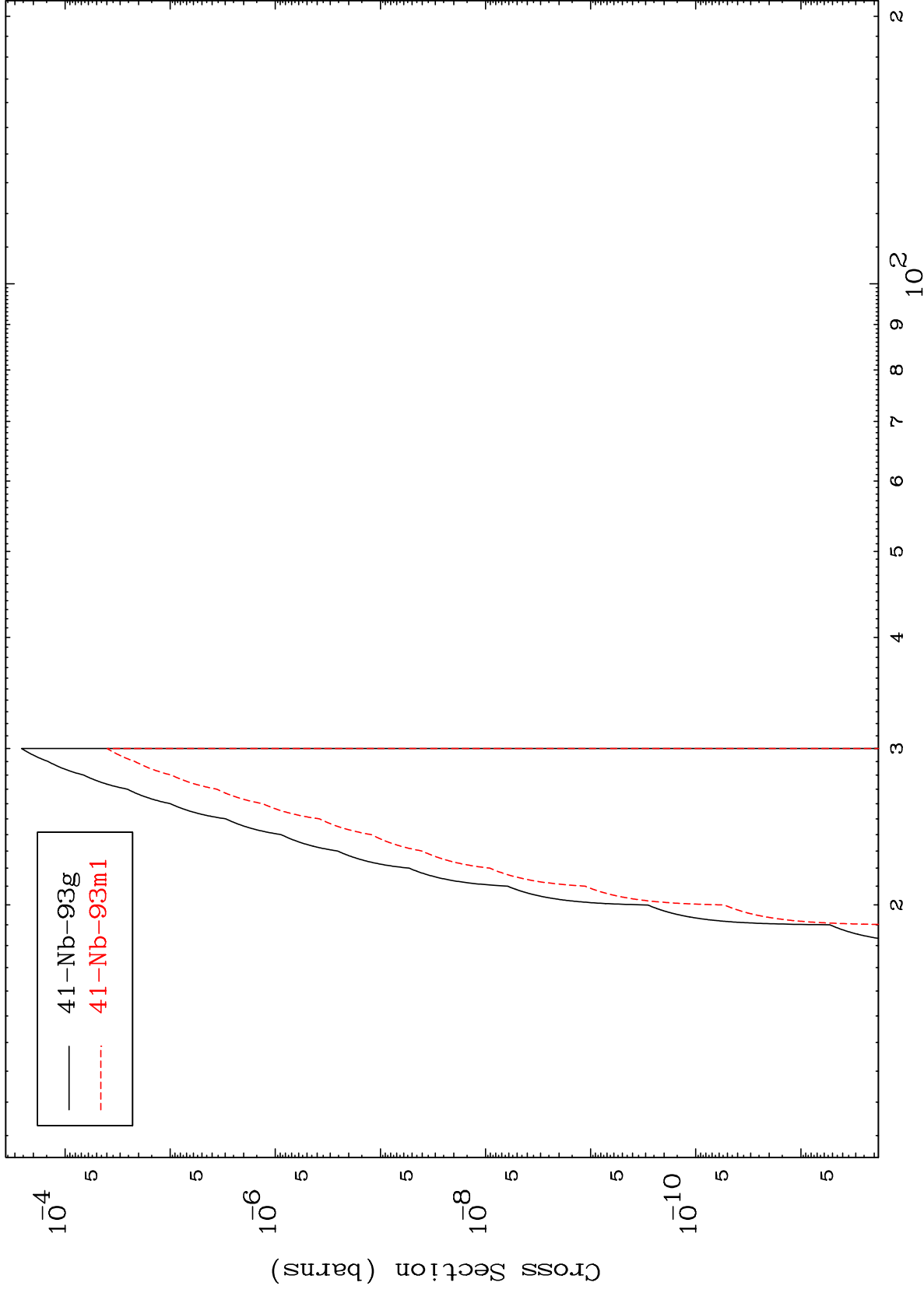
Radionuclide Production Cross Section



(n,3n) p
Radionuclide Production Cross Section



(n,n') p α
Radionuclide Production Cross Section

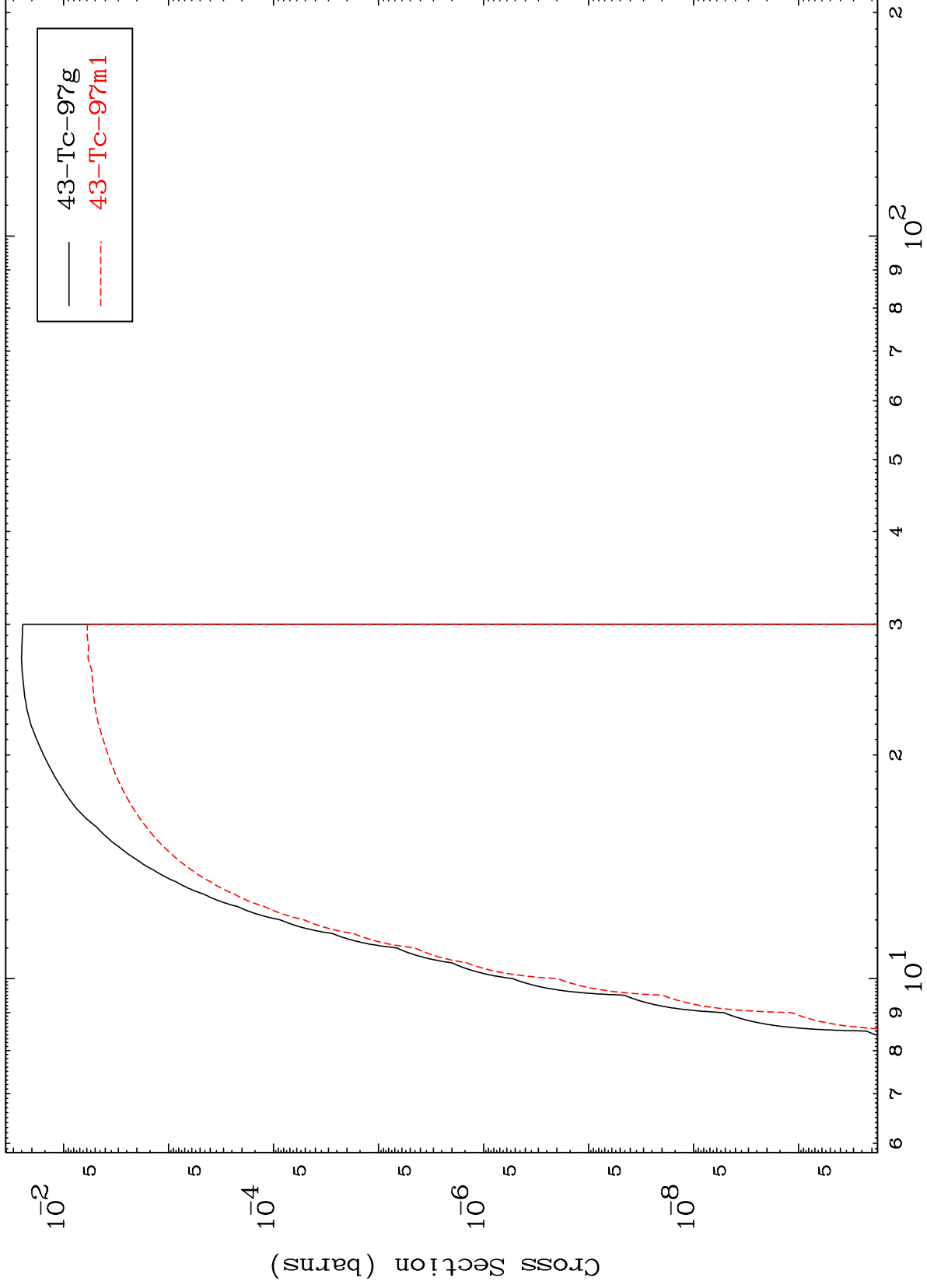


MAT 4431

(n,d)

44-Ru-98

Radionuclide Production Cross Section



138

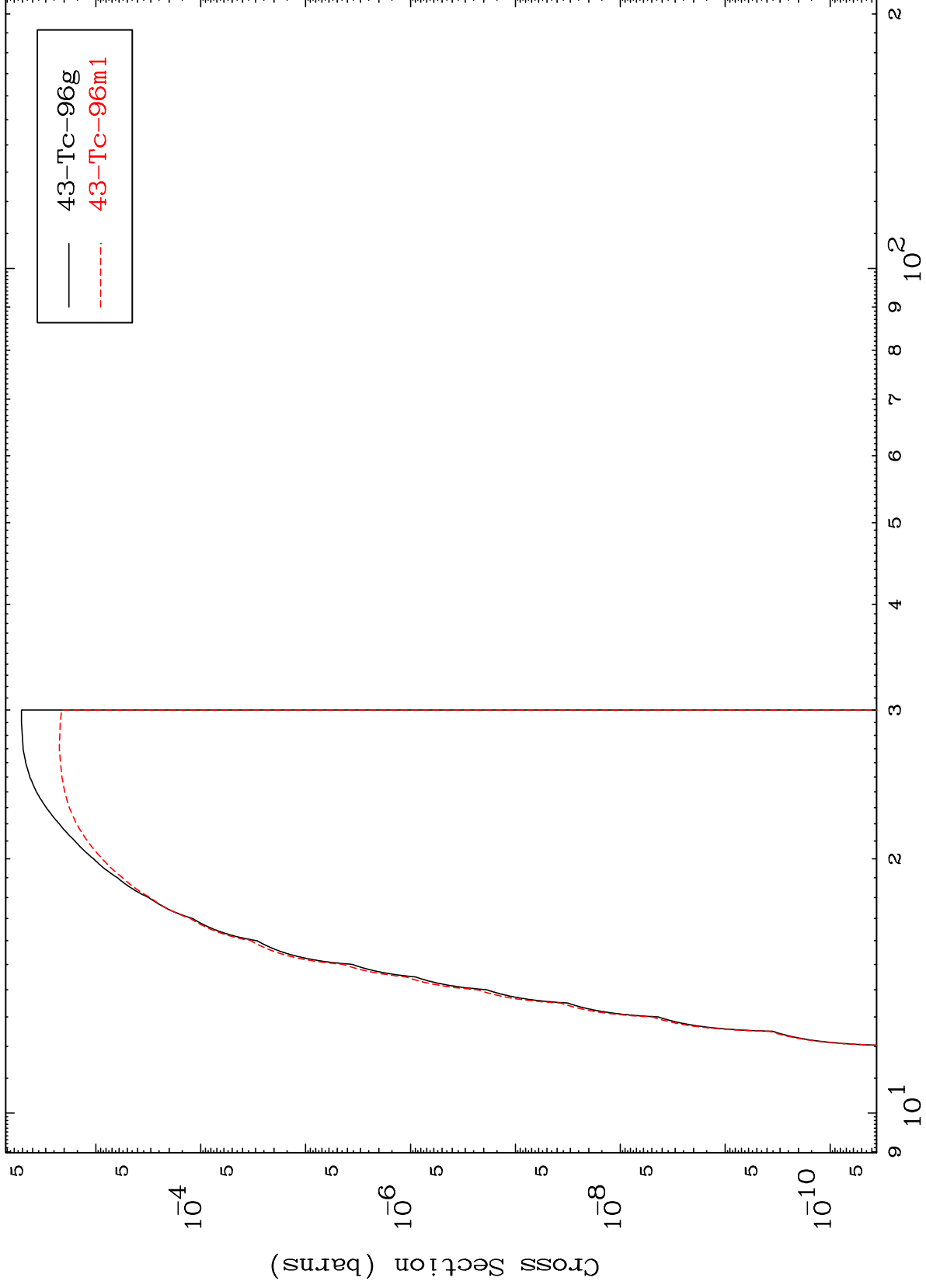
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

(n, t)
Radionuclide Production Cross Section



44-Ru-98

Incident Energy (MeV)

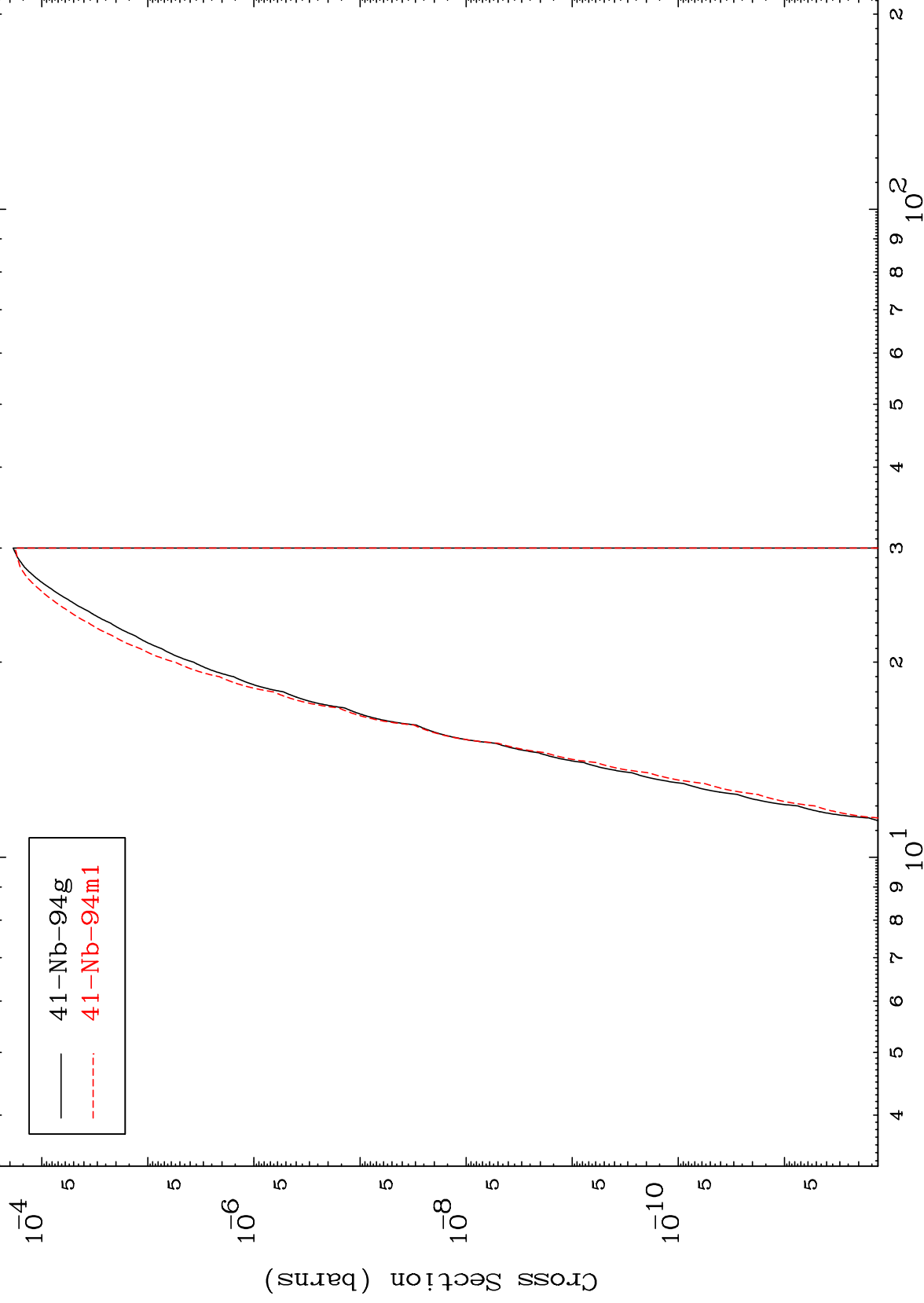
139

MAT 4431

(n,p) α

44-Ru-98

Radionuclide Production Cross Section



140

Incident Energy (MeV)

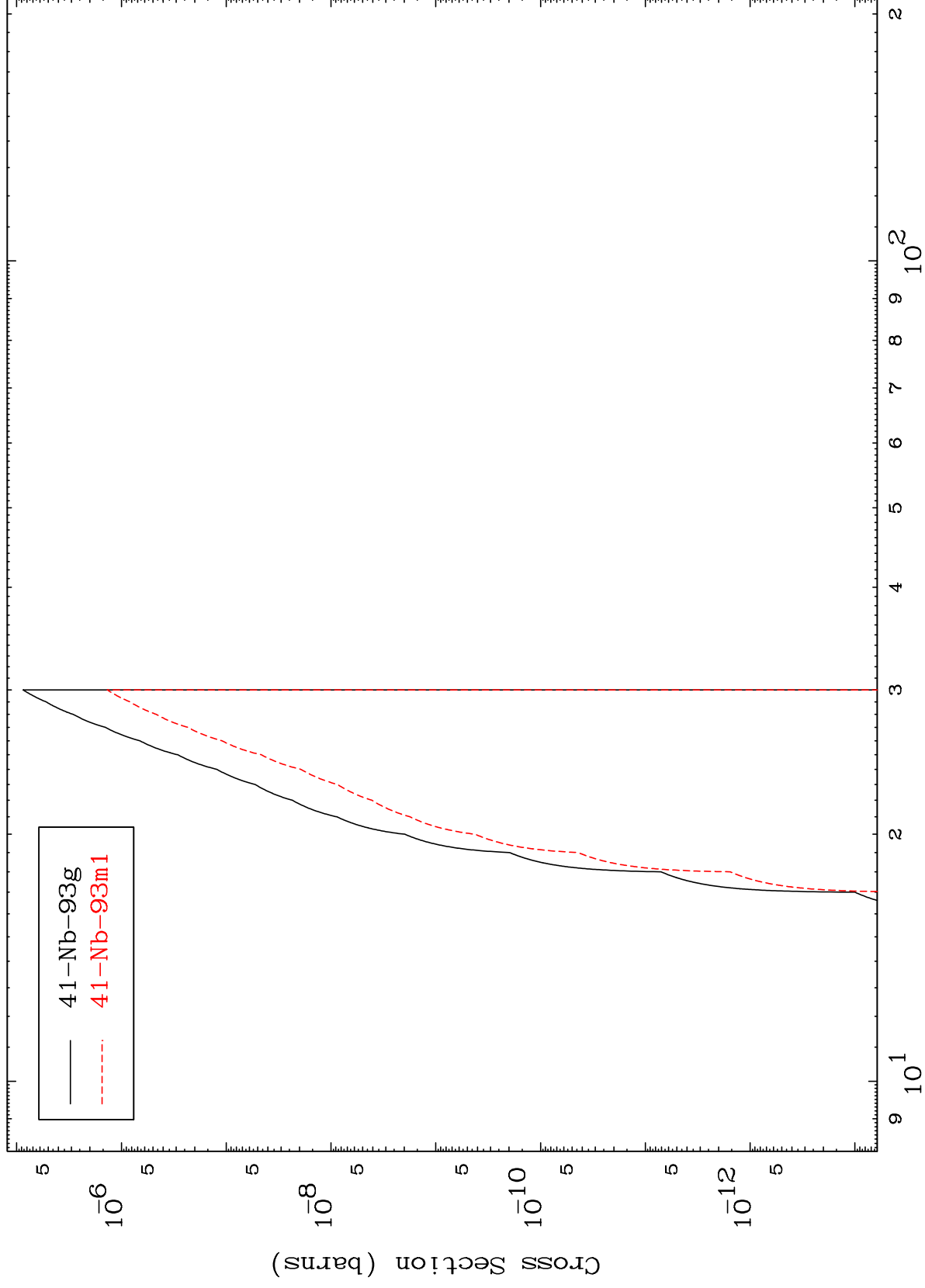
44-Ru-98

MAT 4431

(n,d) α

44-Ru-98

Radionuclide Production Cross Section



141

Incident Energy (MeV)

44-Ru-98