

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

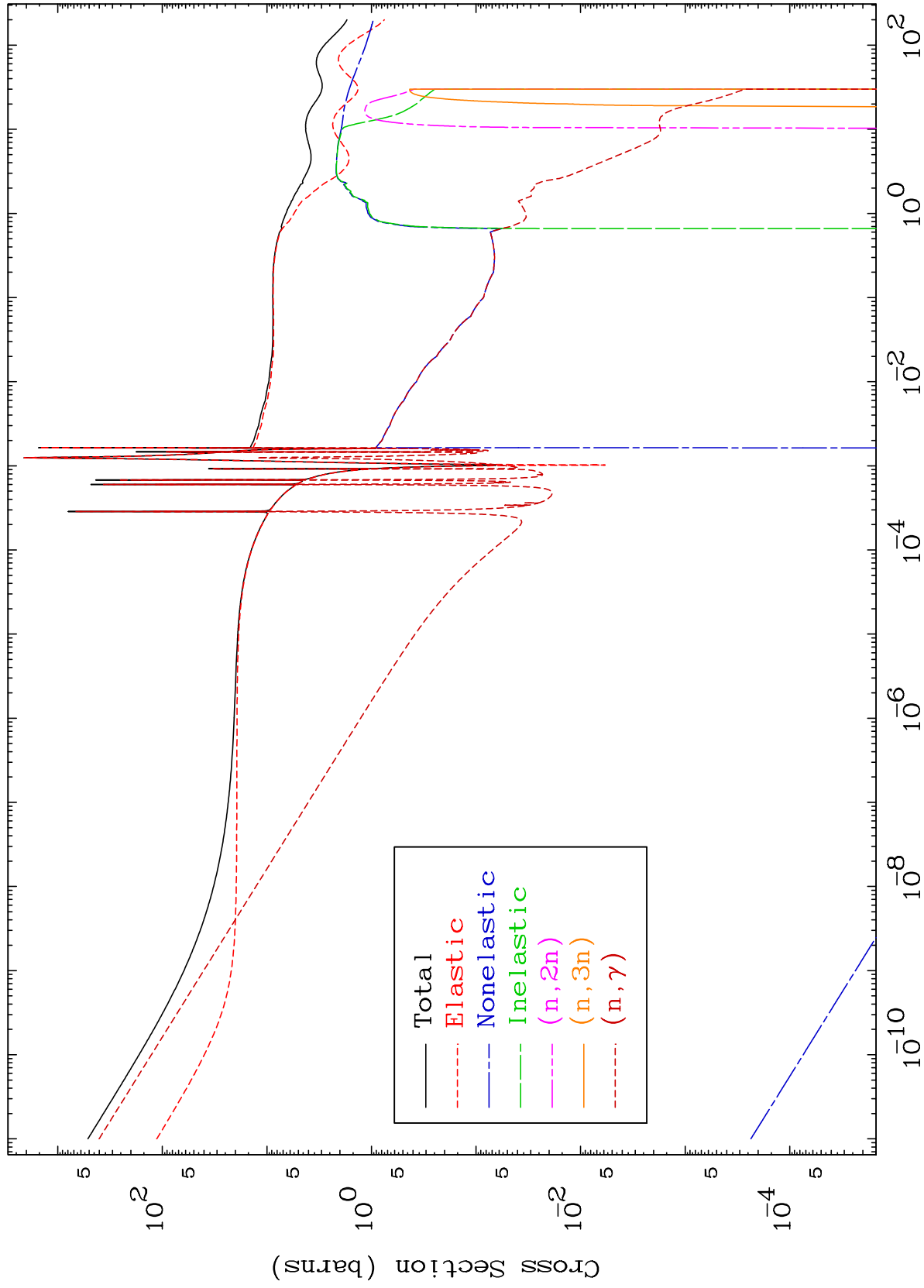
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

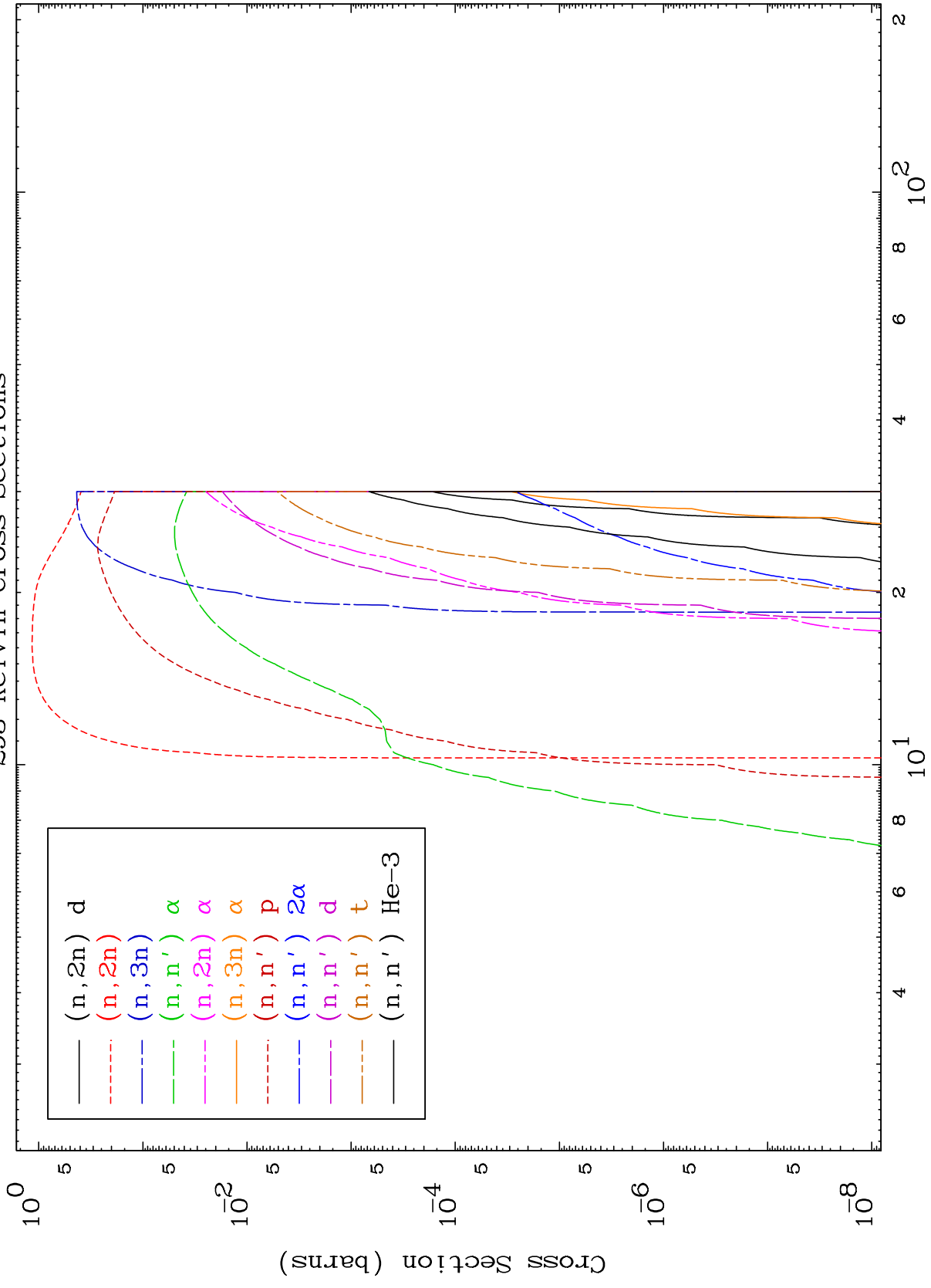
Press Mouse Button to Start

MAT 4431

Neutron Major
293 Kelvin Cross Sections

44-Ru-98

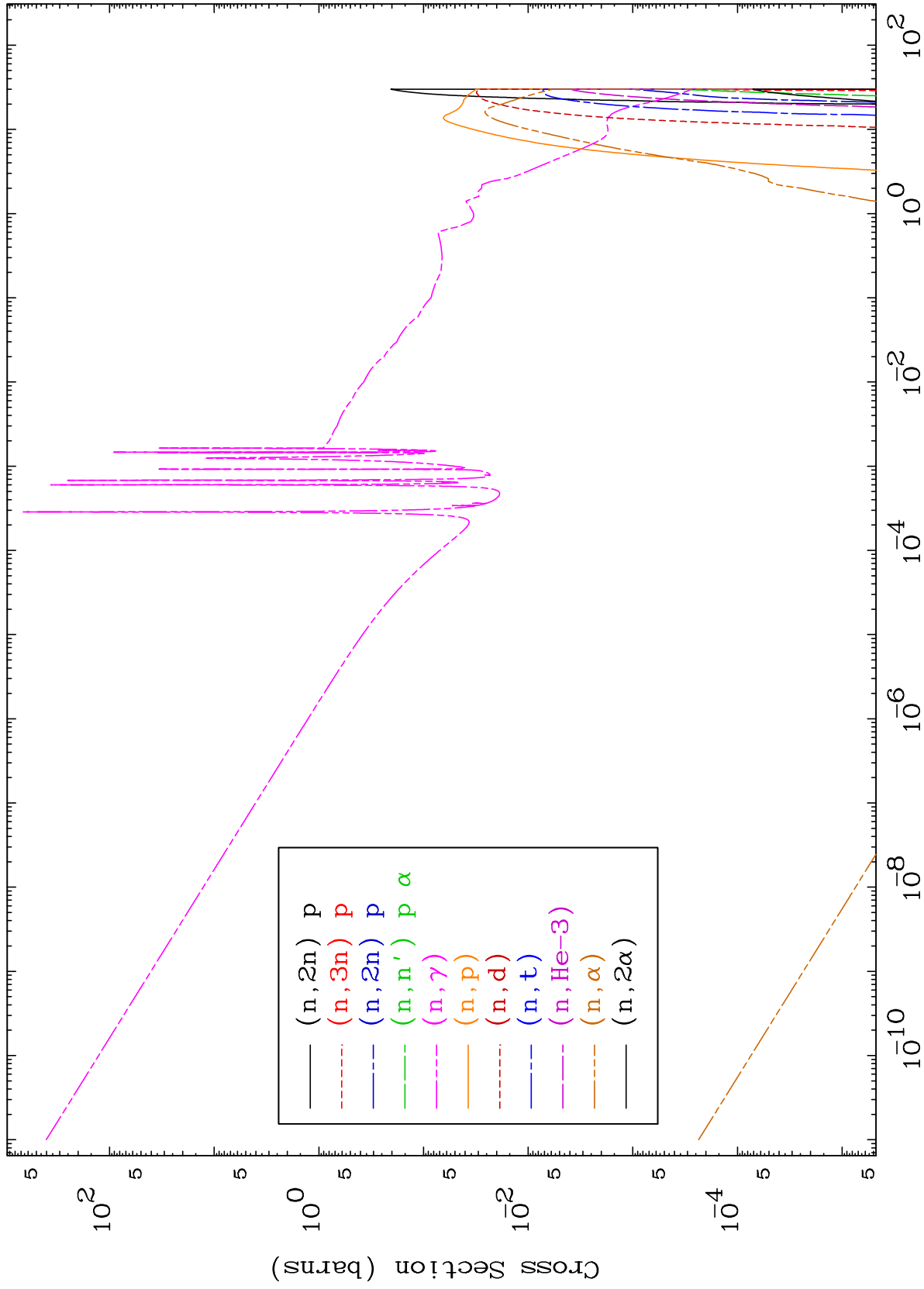




MAT 4431

Neutron Absorption
293 Kelvin Cross Sections

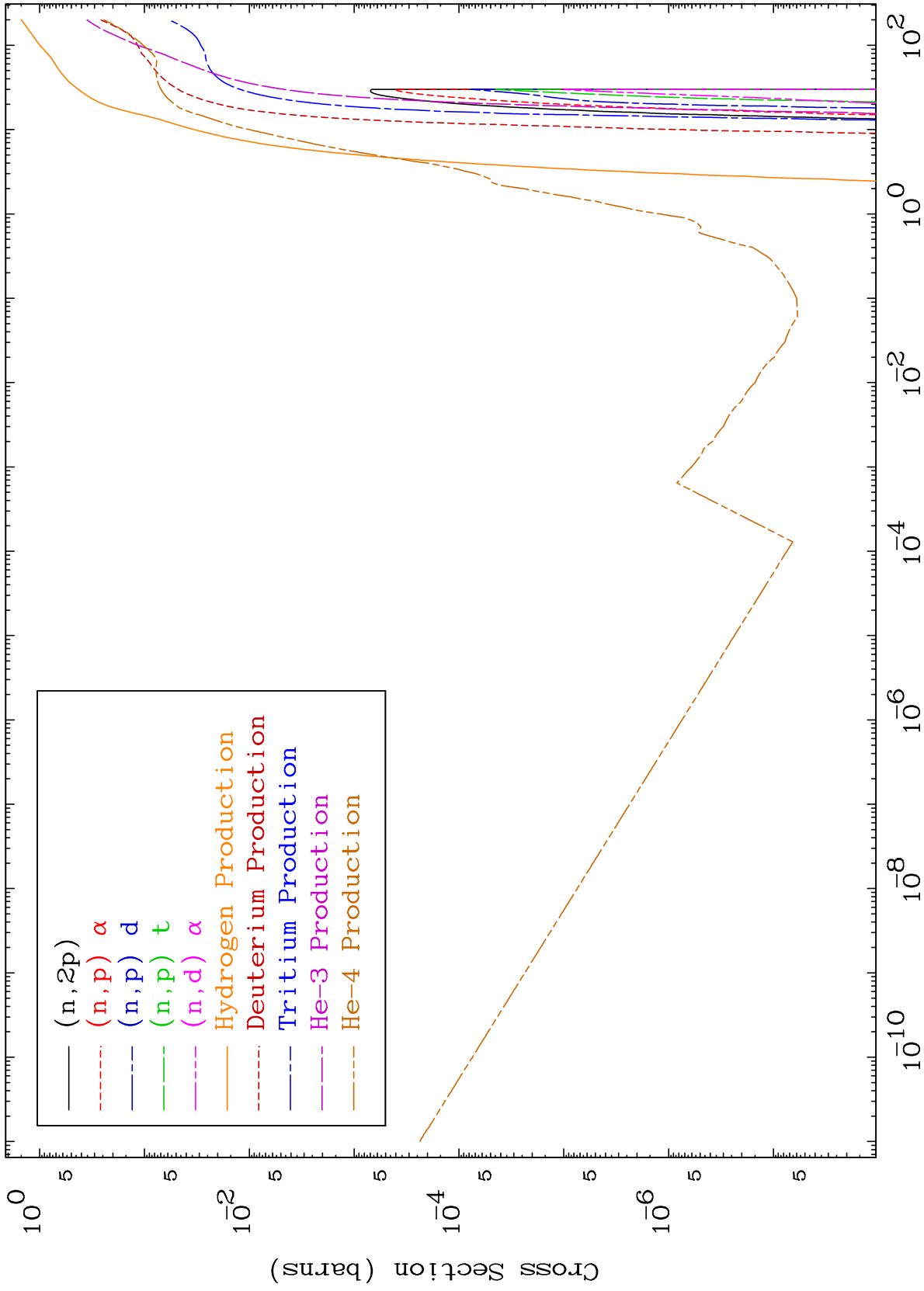
44-Ru-98



MAT 4431

Neutron Absorption 293 Kelvin Cross Sections

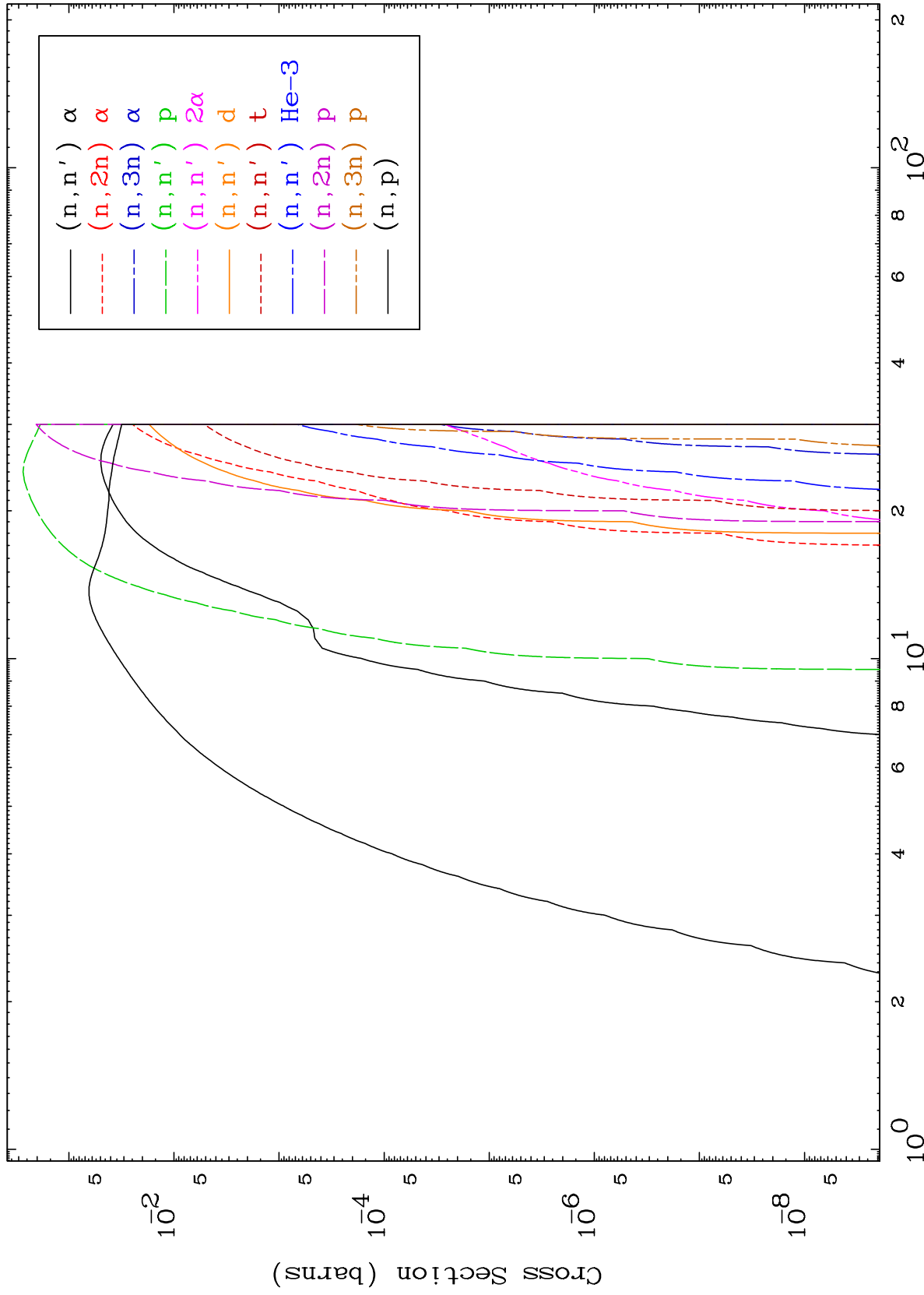
44-Ru-98



MAT 4431

293 Kelvin Cross Sections
Charged Particle

44-Ru-98



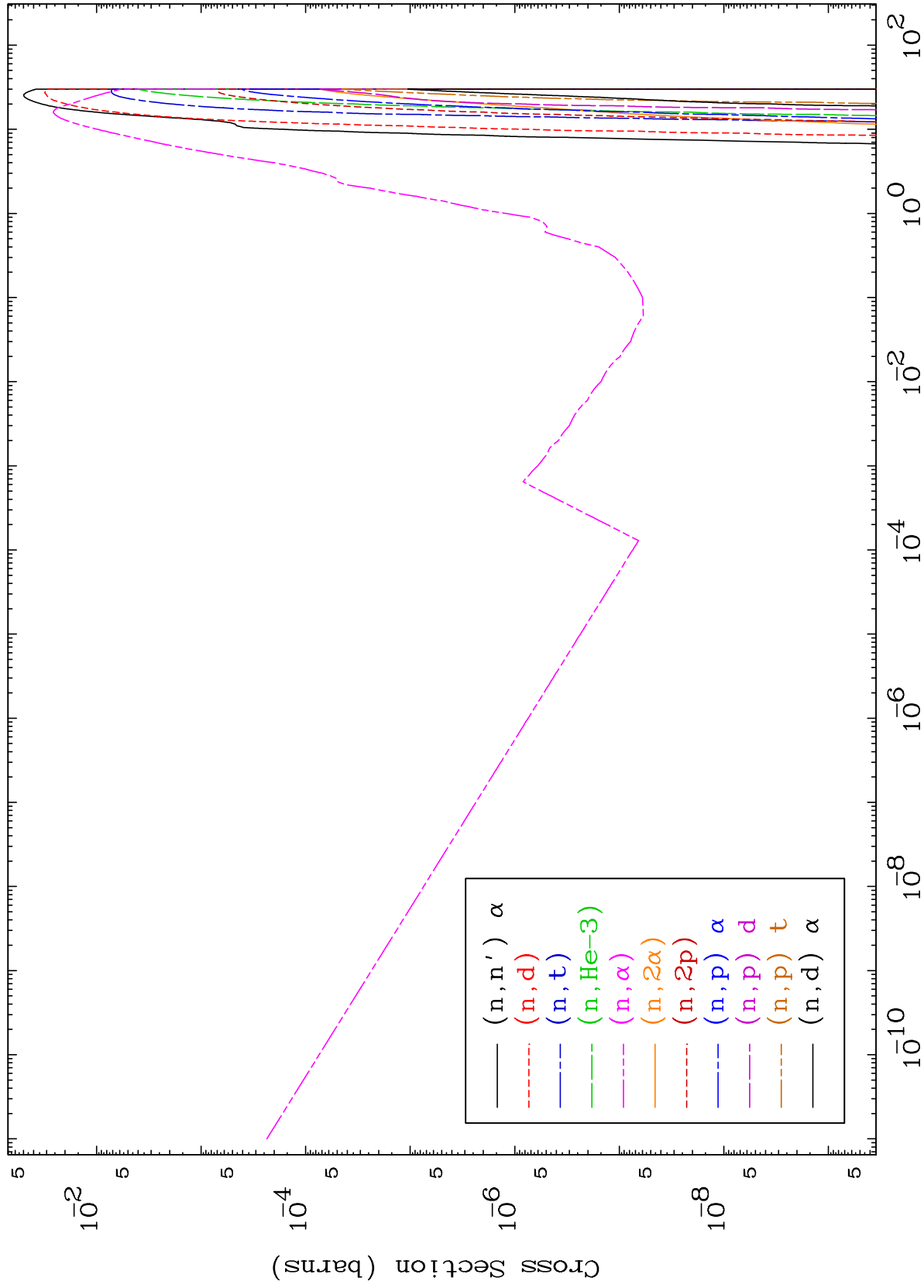
Incident Energy (MeV)

44-Ru-98

MAT 4431

Charged Particle
293 Kelvin Cross Sections

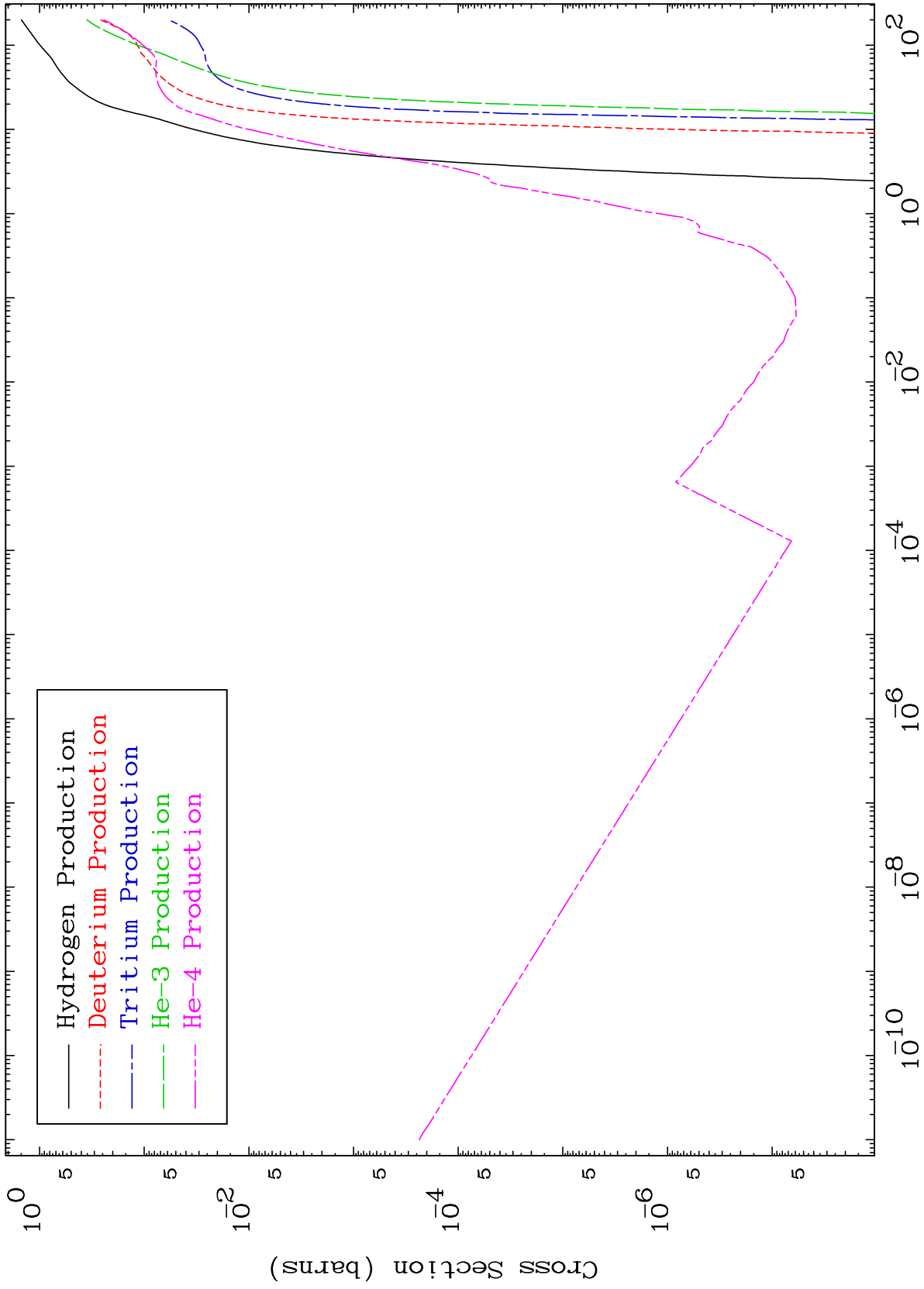
44-Ru-98



MAT 4431

Particle Production
293 Kelvin Cross Sections

44-Ru-98



7

Incident Energy (MeV)

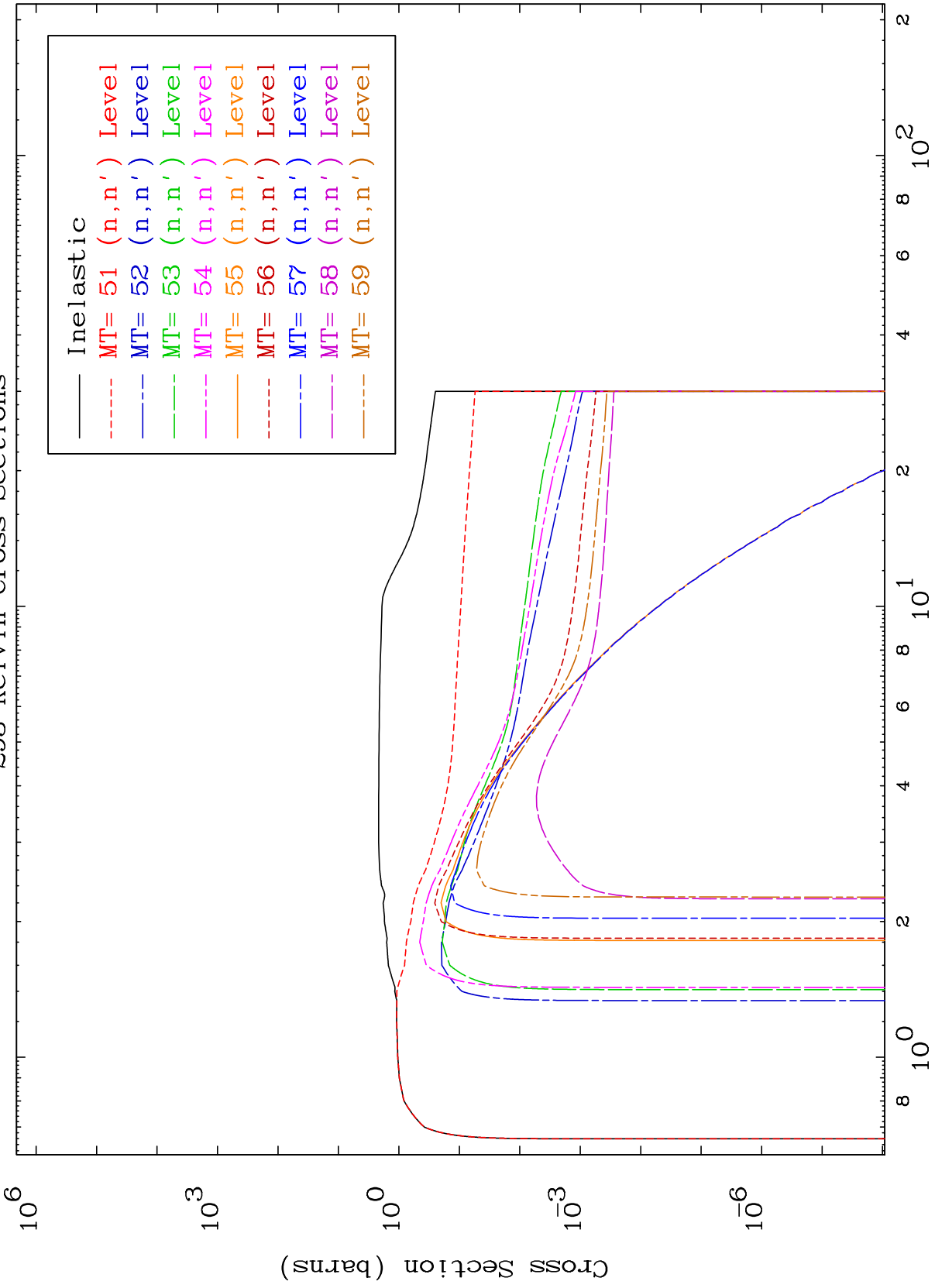
44-Ru-98

MAT 4431

(n,n') Levels

44-Ru-98

293 Kelvin Cross Sections

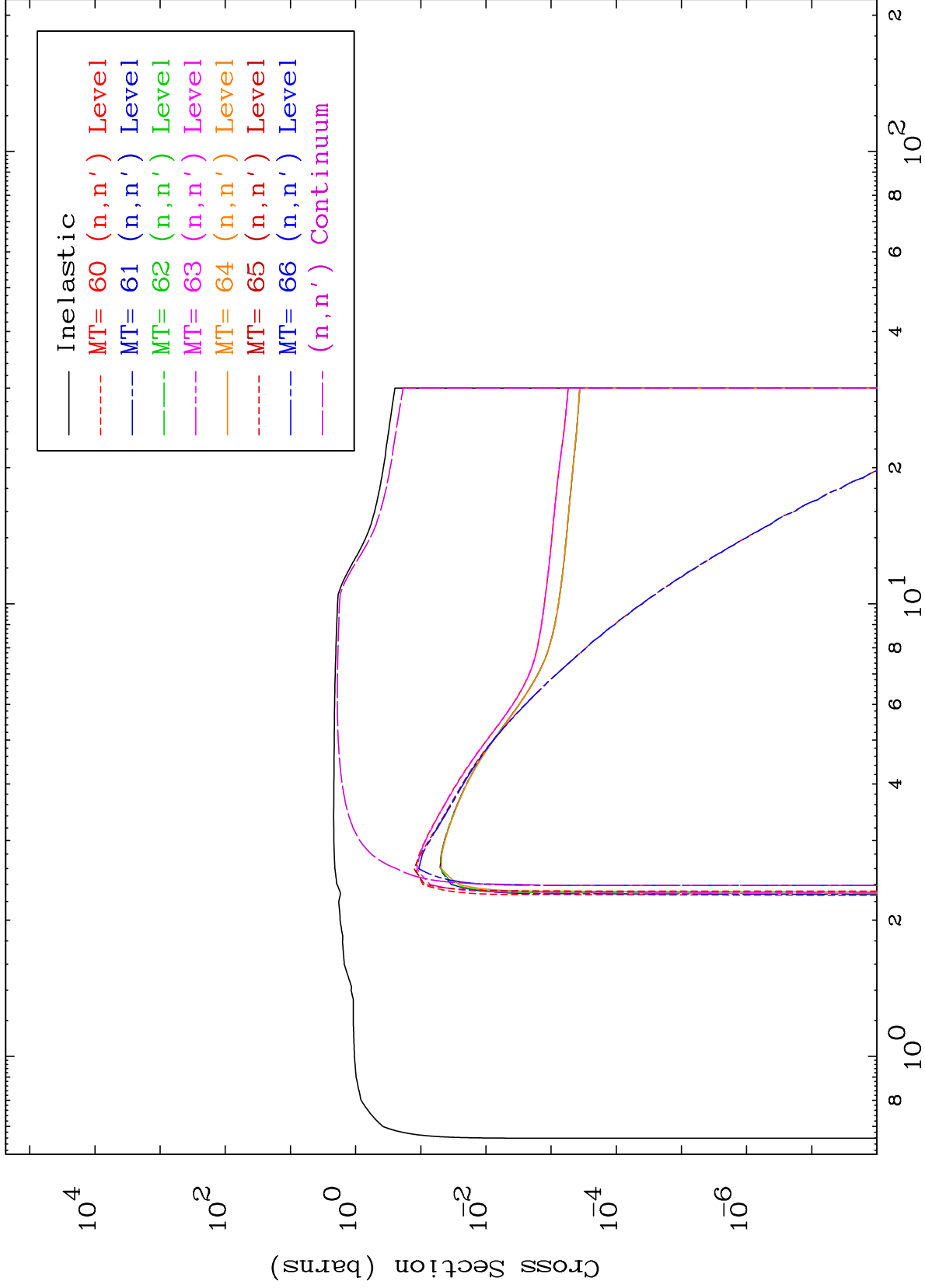


8

Incident Energy (MeV)

44-Ru-98

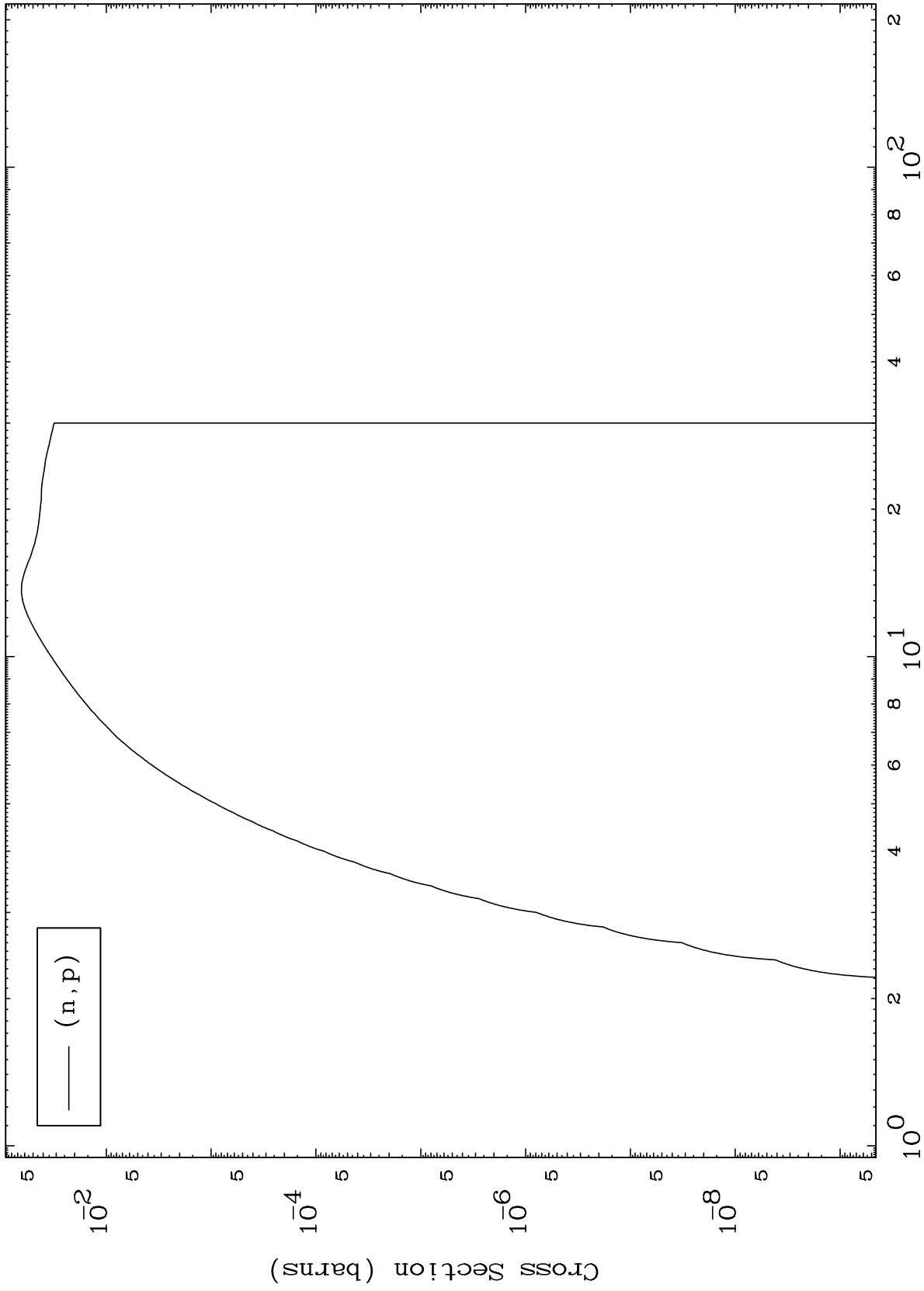
293 Kelvin Cross Sections



MAT 4431

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-98



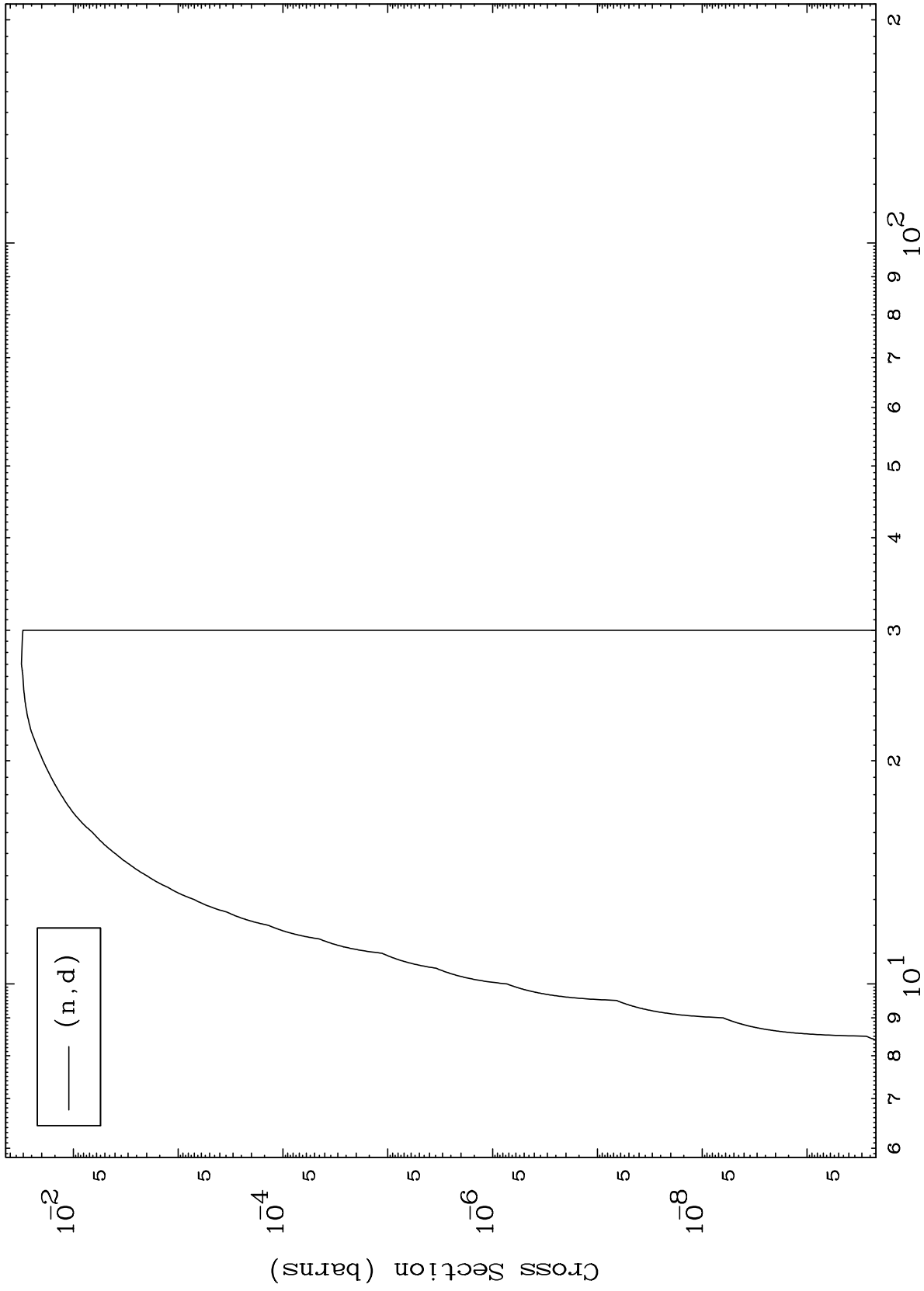
44-Ru-98

44-Ru-98

MAT 4431

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-98



11

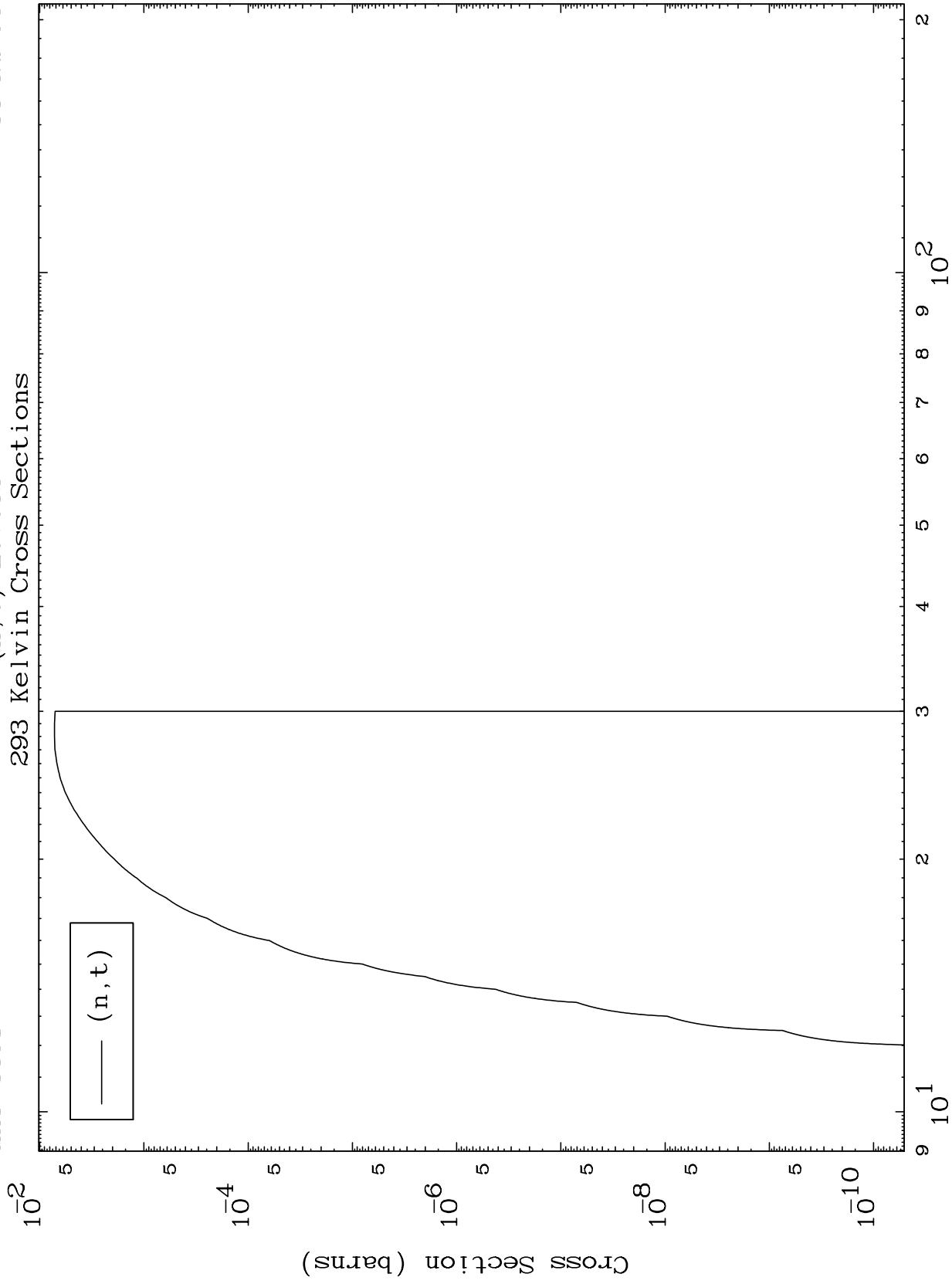
Incident Energy (MeV)

44-Ru-98

MAT 4431

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-98



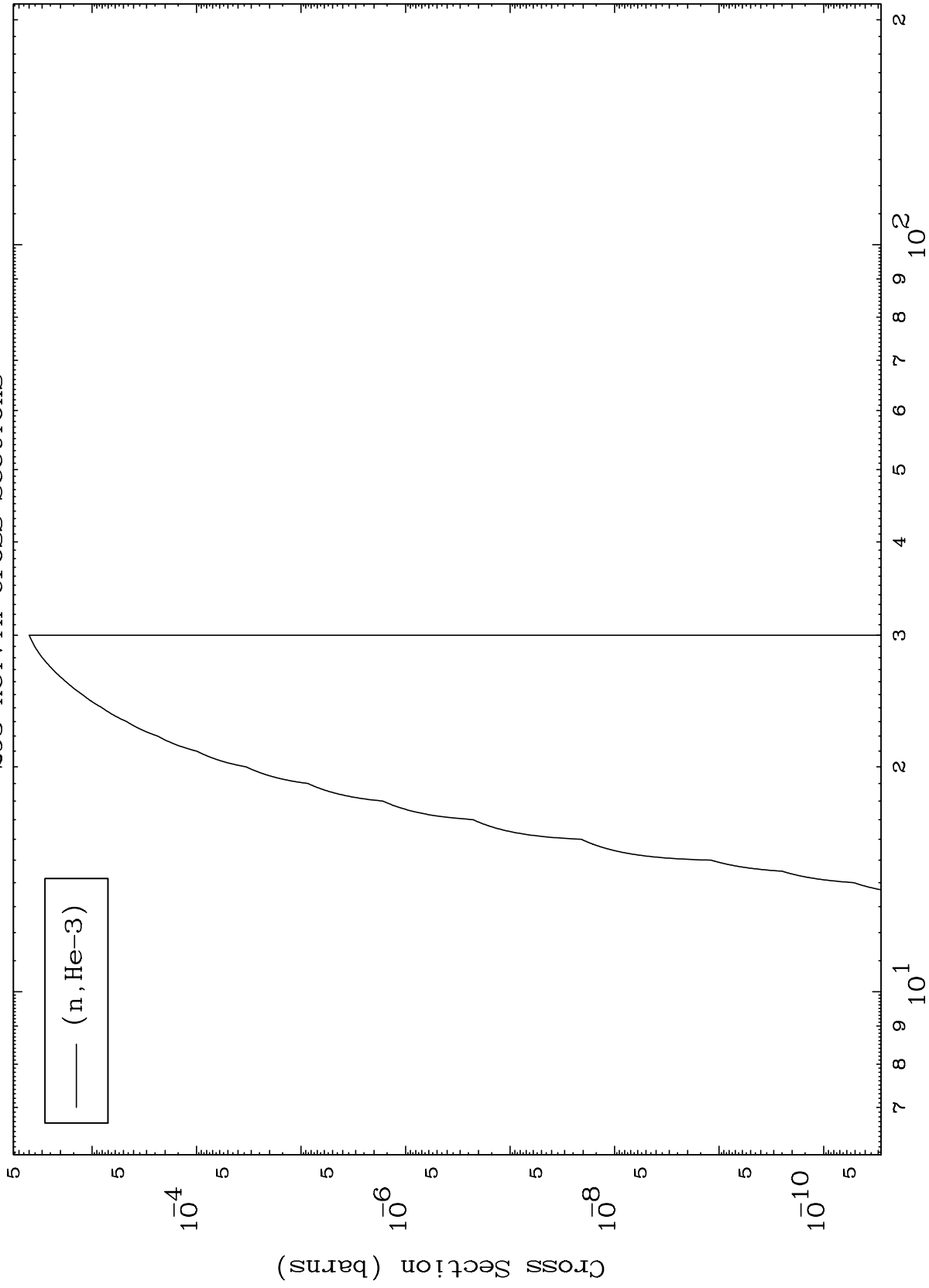
12

44-Ru-98

MAT 4431

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-98



13

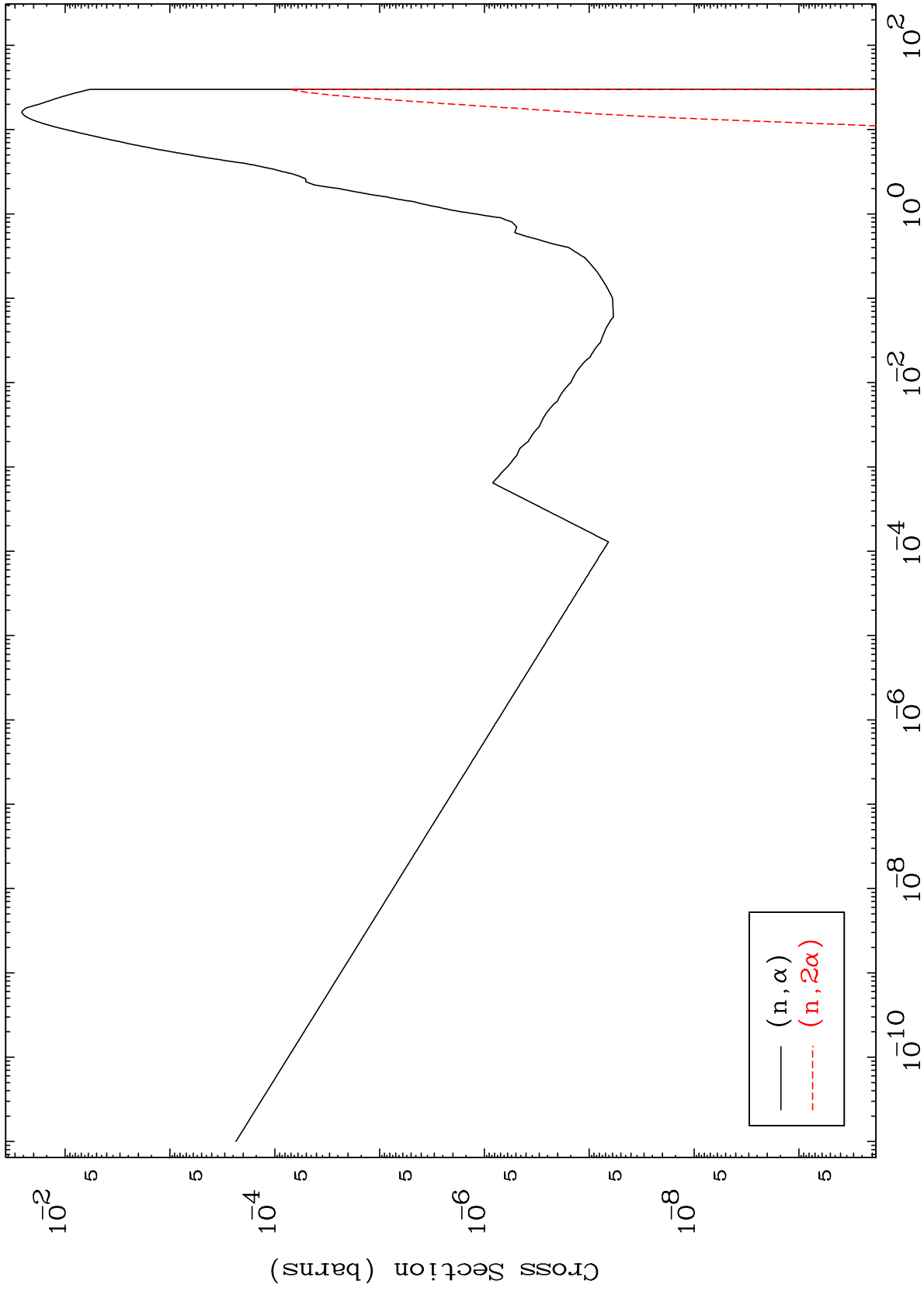
Incident Energy (MeV)

44-Ru-98

MAT 4431

293 Kelvin Cross Sections
(n,α) Levels

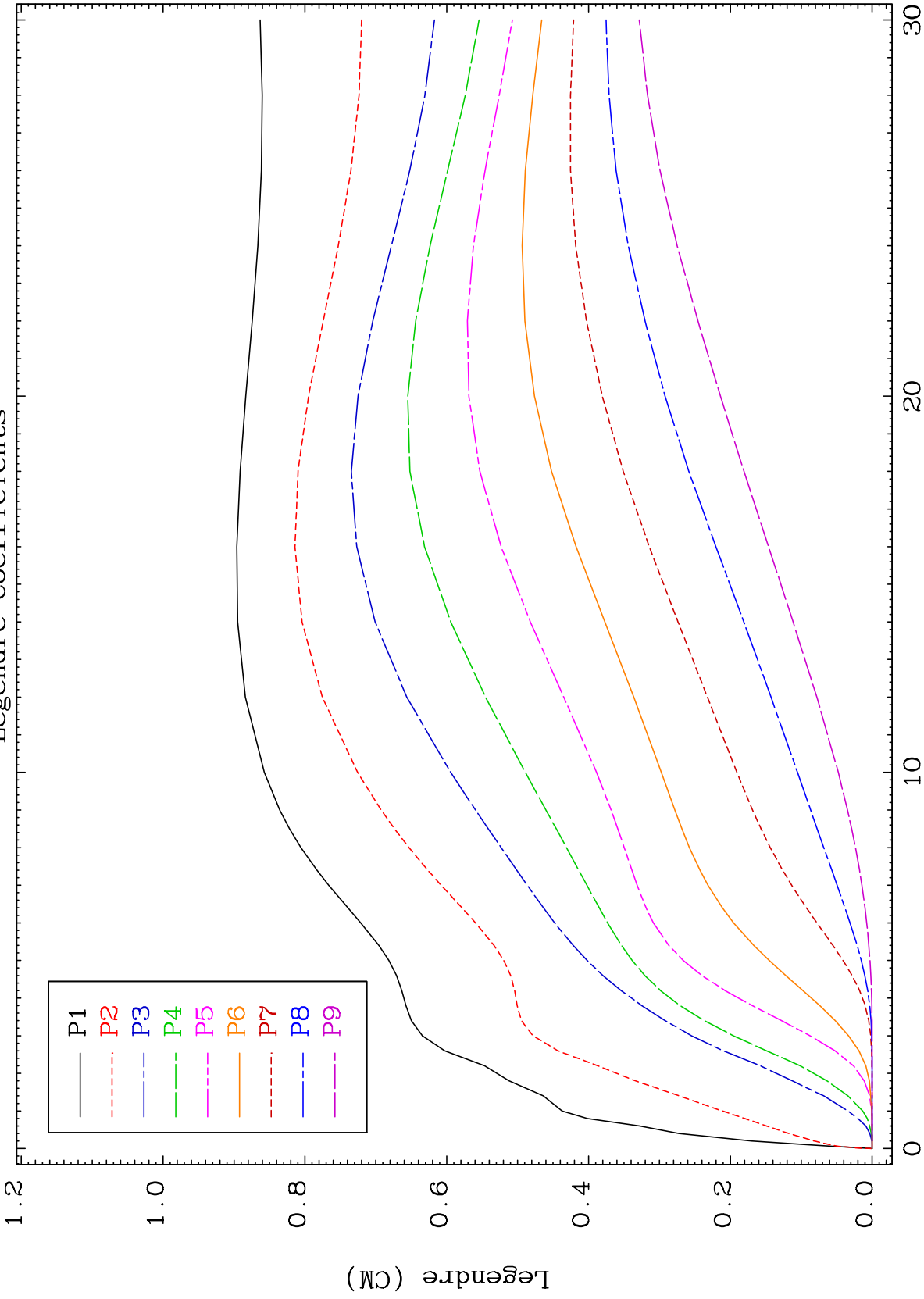
44-Ru-98



MAT 4431

Elastic Legendre Coefficients

44-Ru-98



44-Ru-98

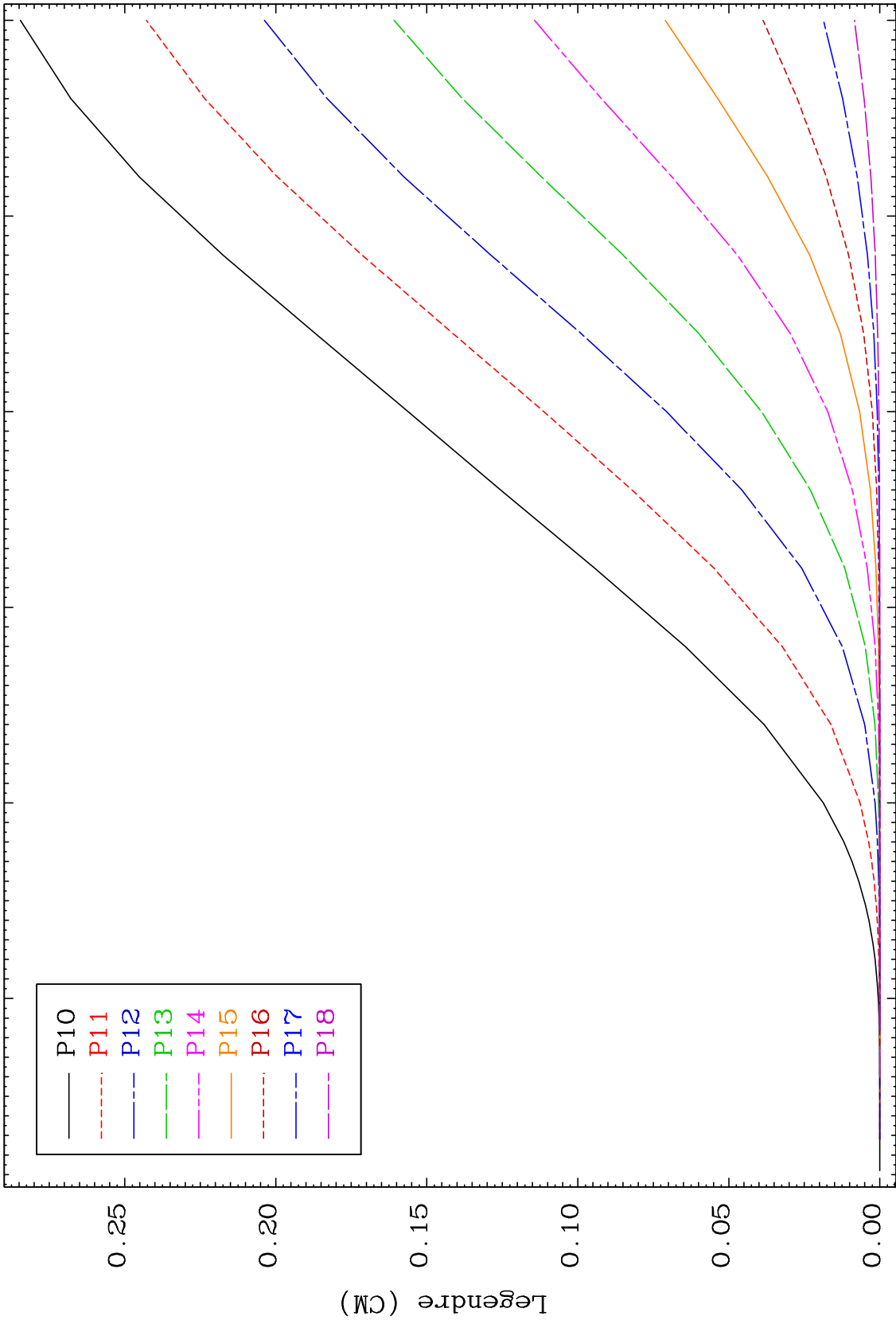
Incident Energy (MeV)

15

MAT 4431

Elastic Legendre Coefficients

44-Ru-98



16

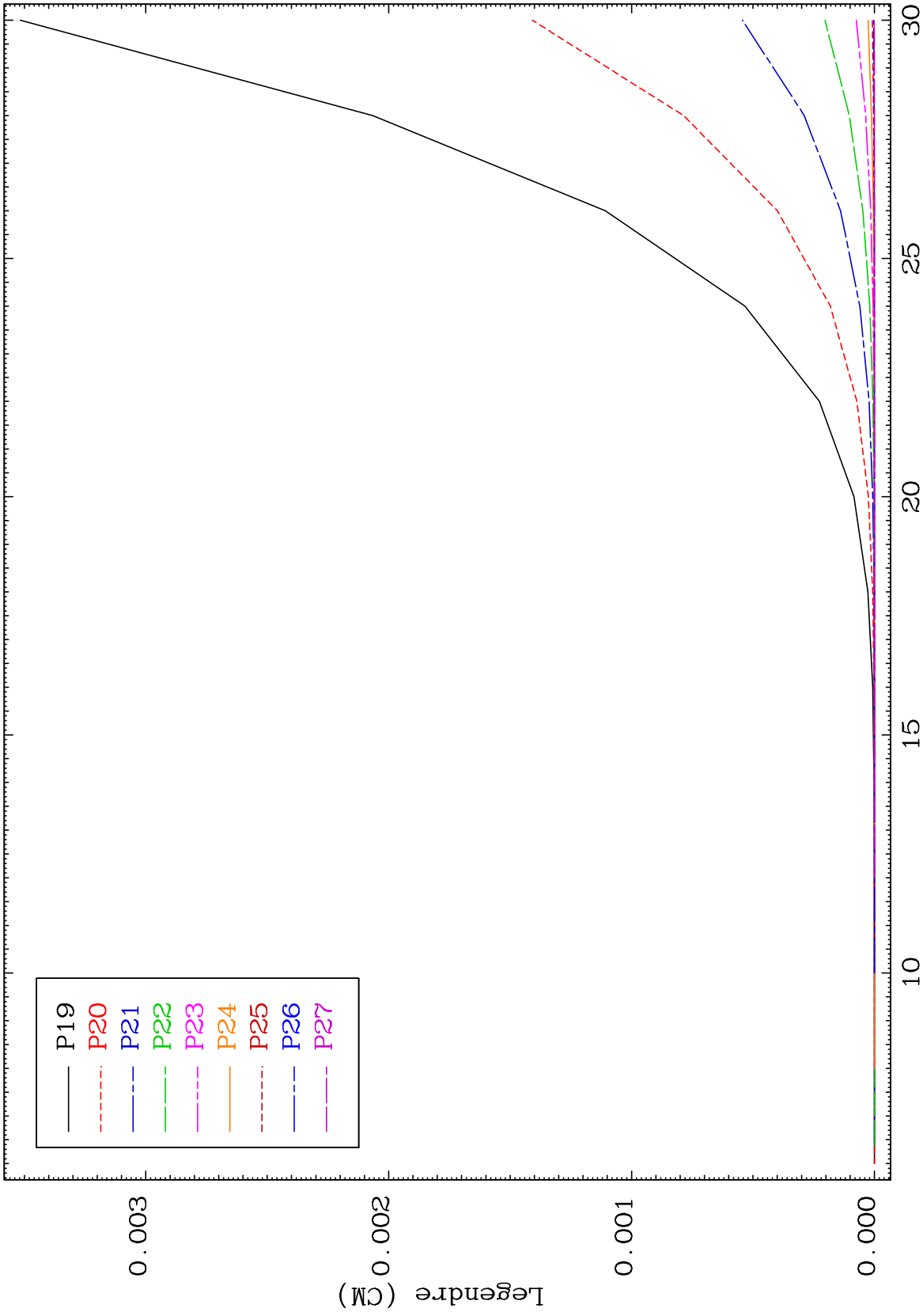
Incident Energy (MeV)

44-Ru-98

MAT 4431

Elastic Legendre Coefficients

44-Ru-98



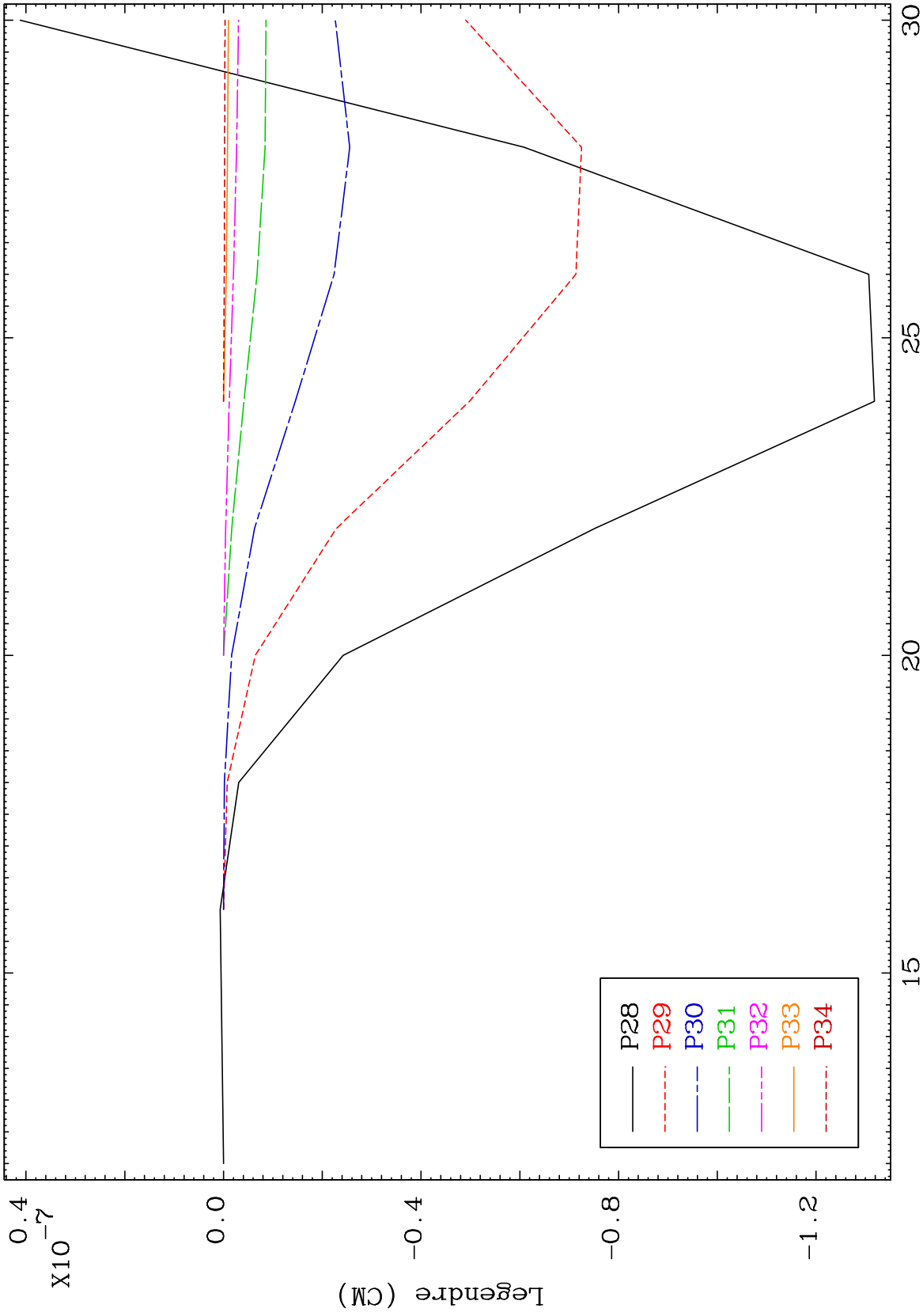
17

44-Ru-98

MAT 4431

Elastic Legendre Coefficients

44-Ru-98



18

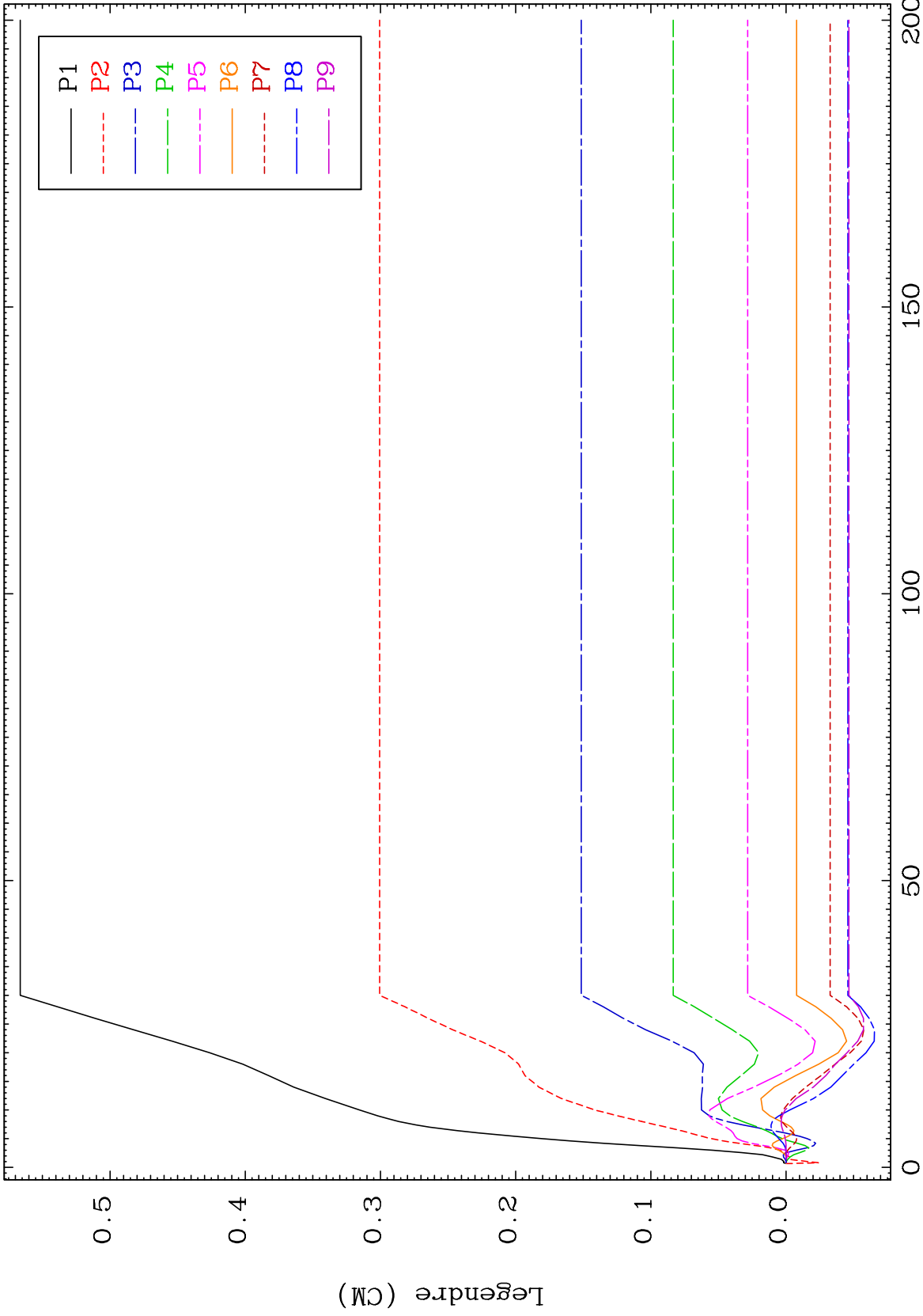
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



19

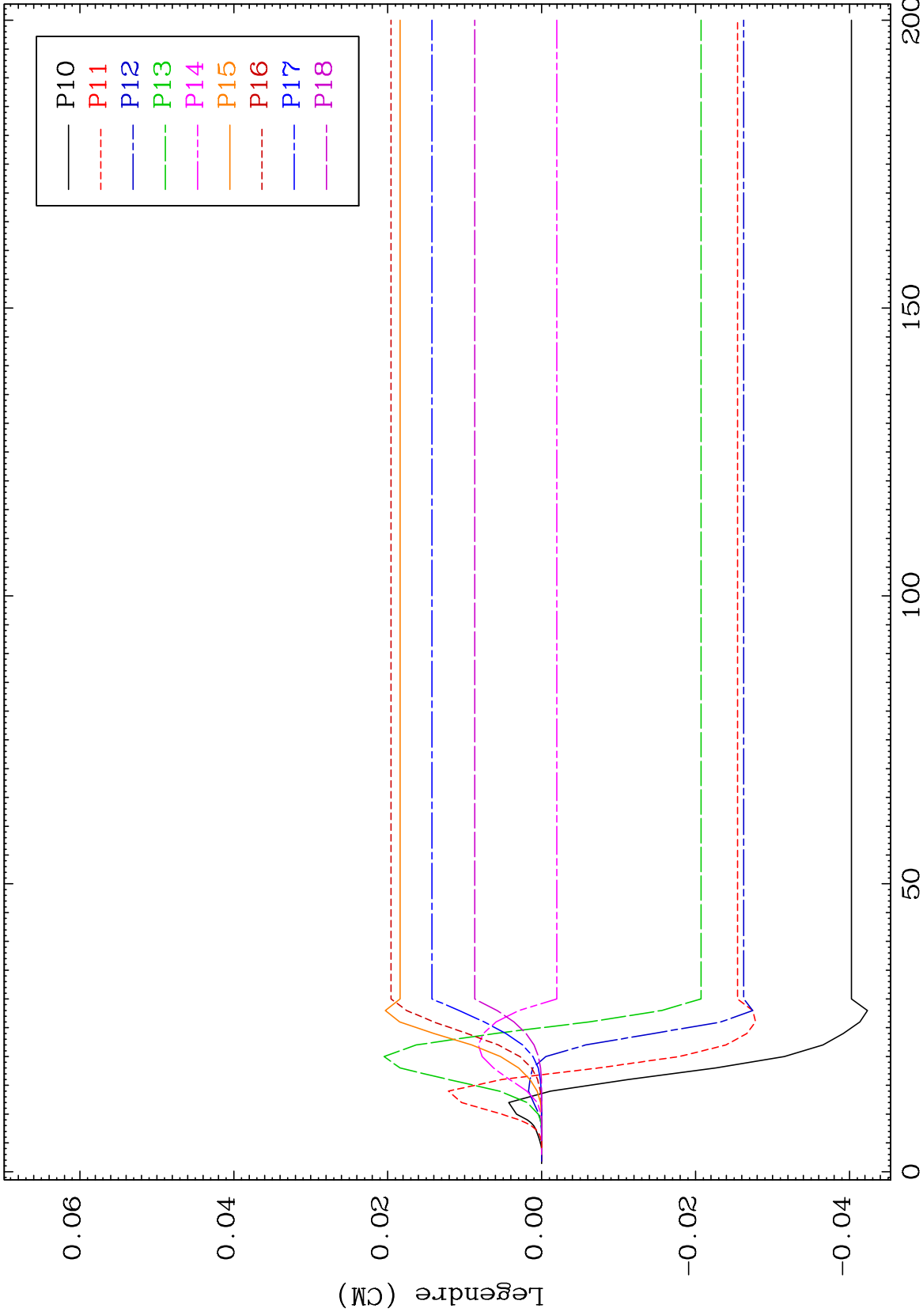
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



44-Ru-98

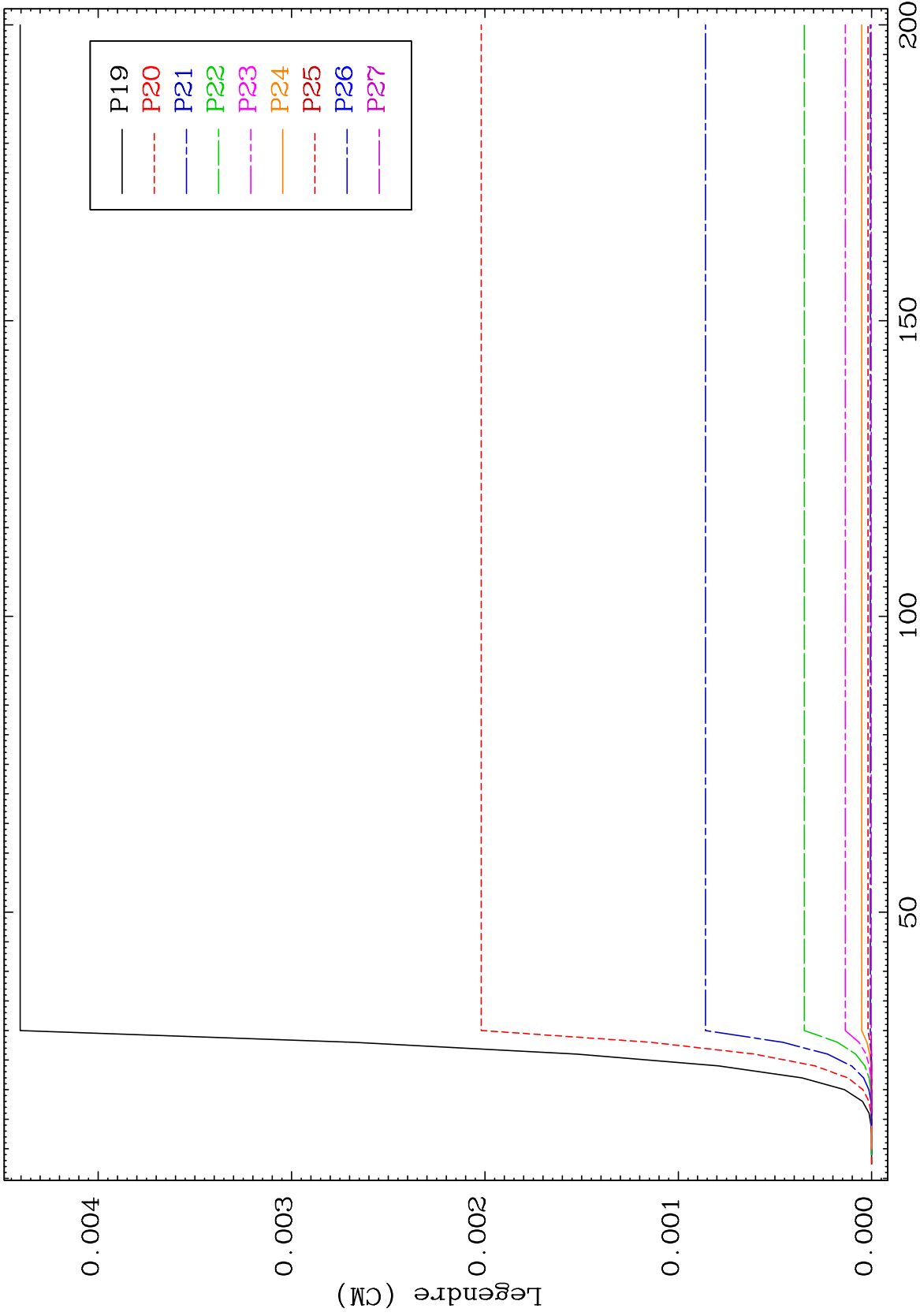
Incident Energy (MeV)

20

MAT 4431

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

44-Ru-98



21

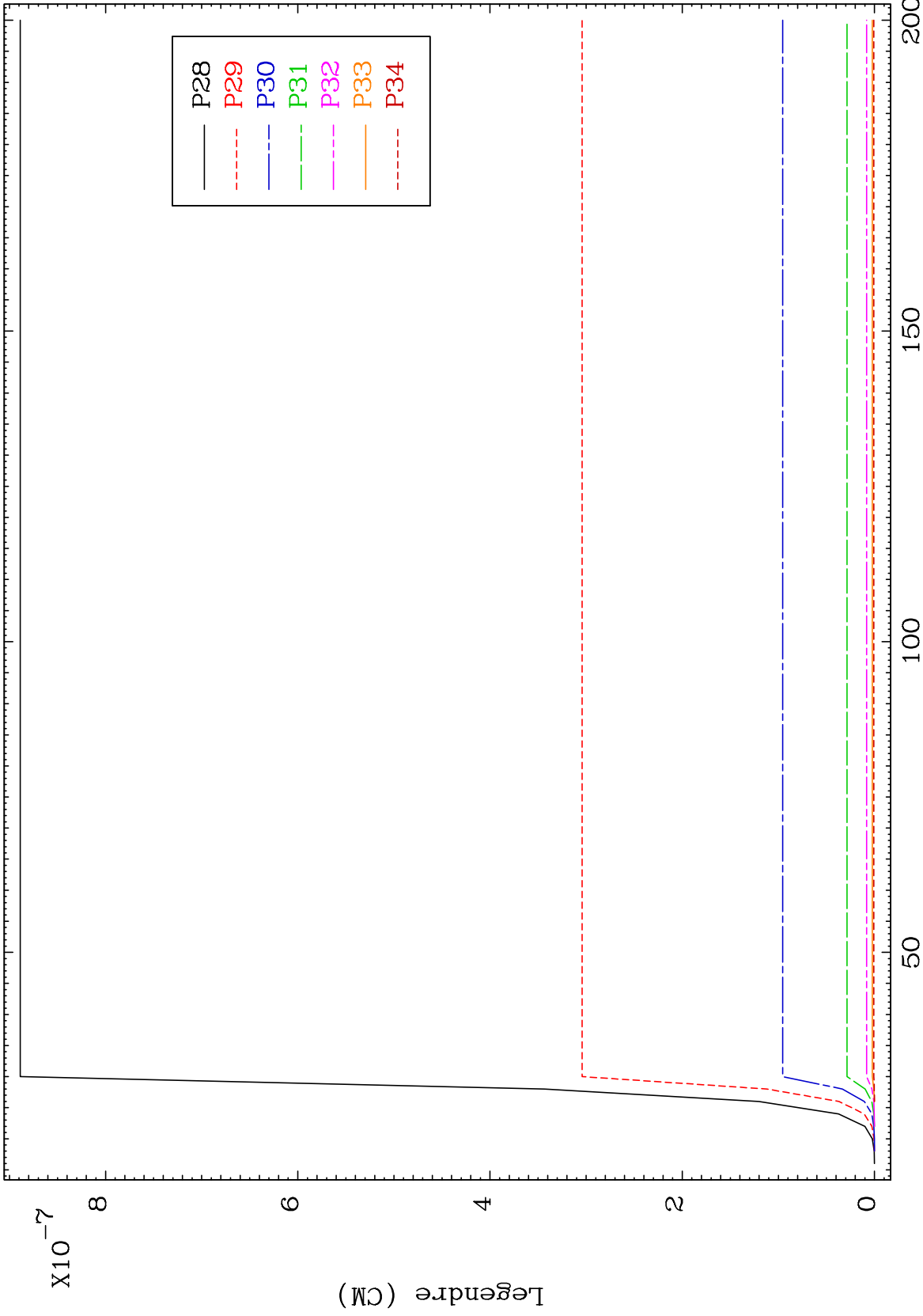
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



22

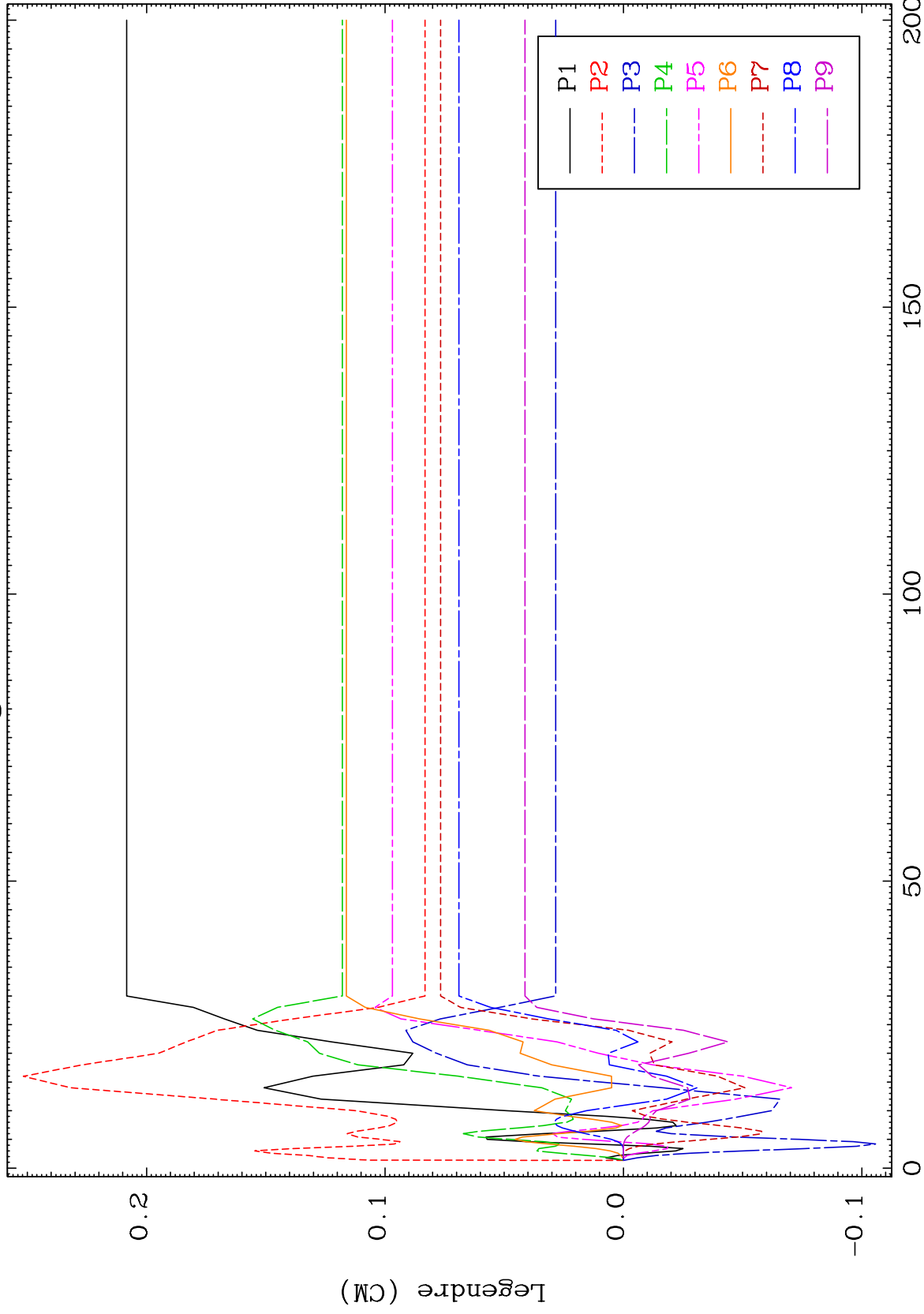
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



23

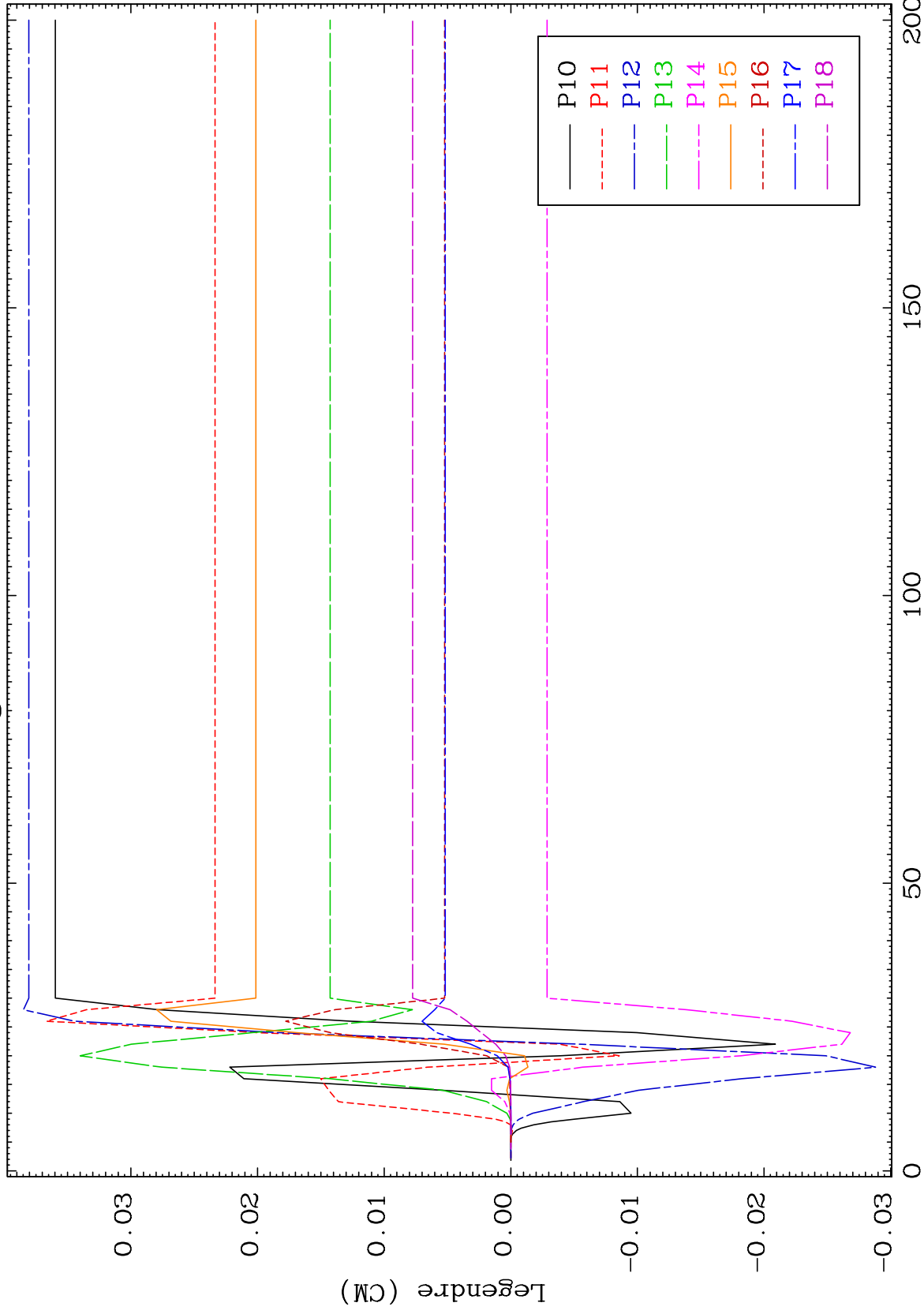
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



24

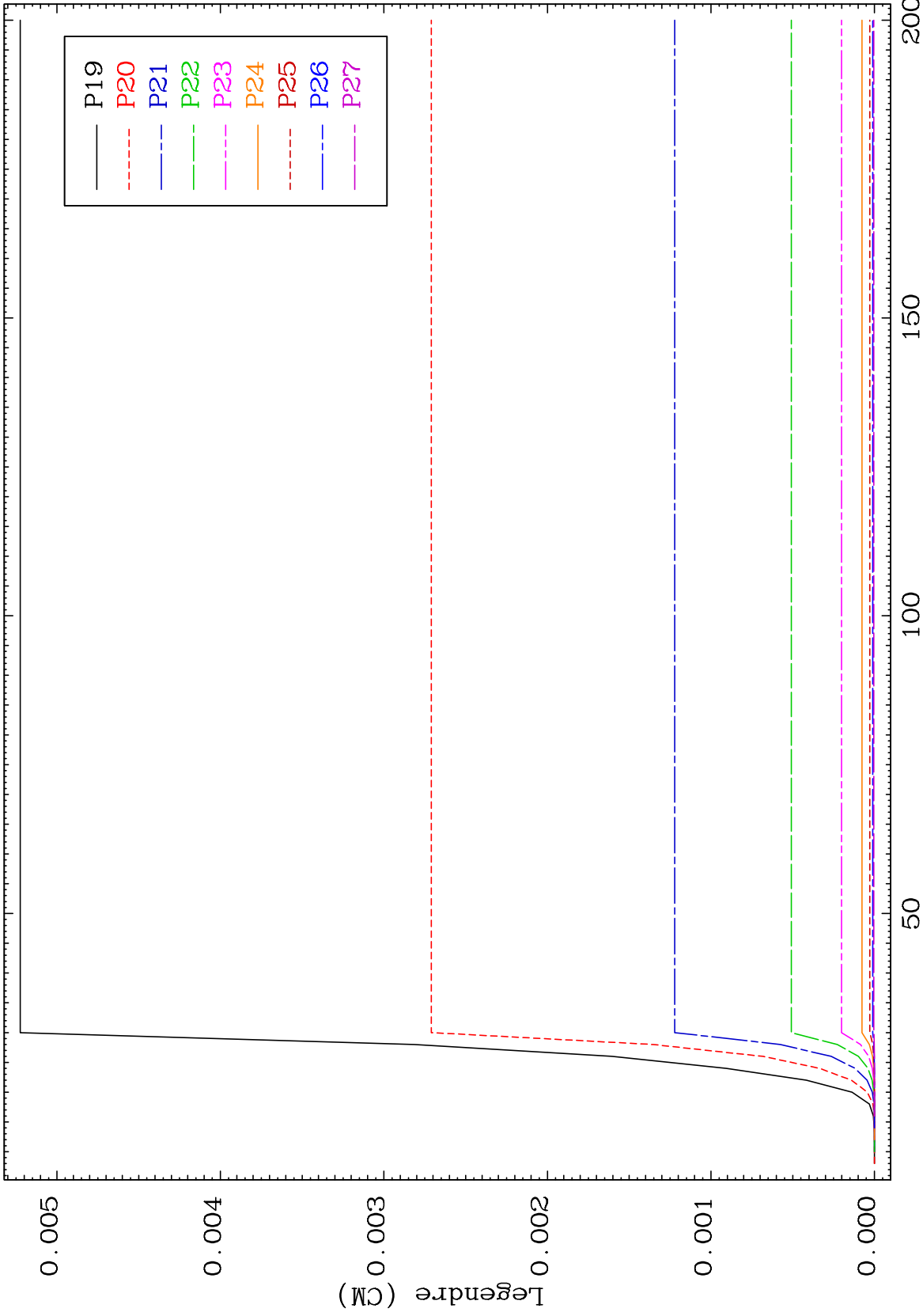
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



25

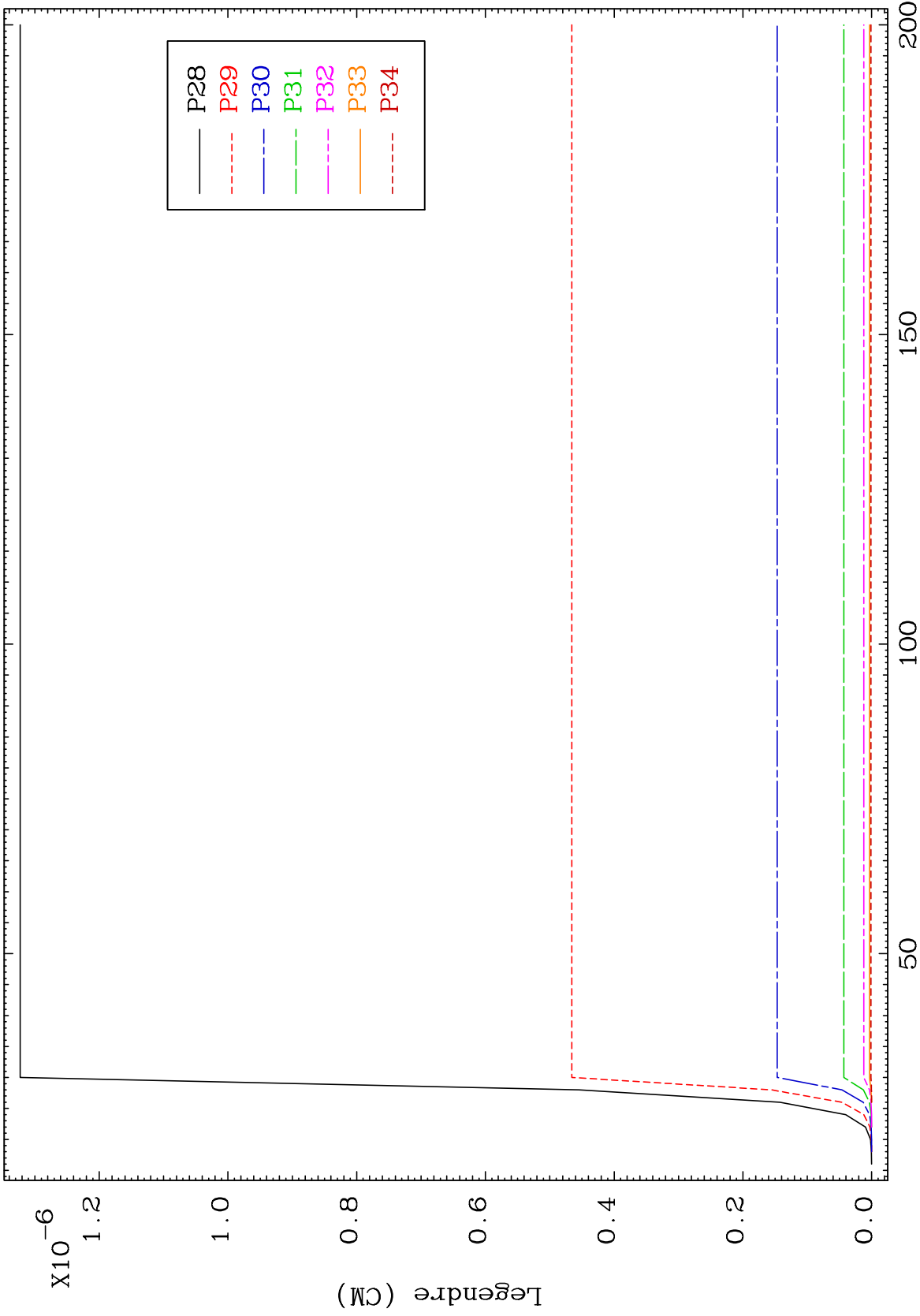
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



26

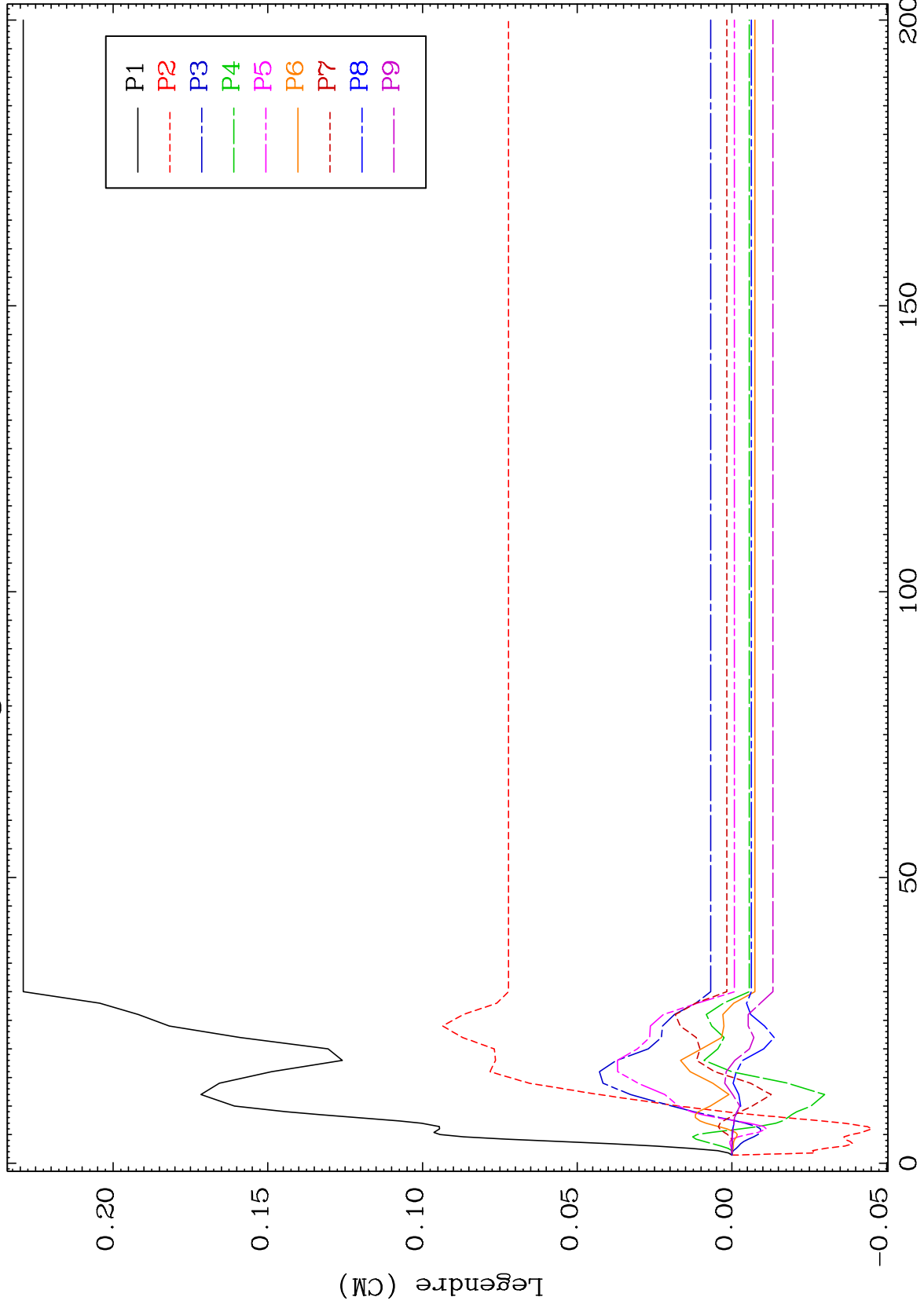
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



27

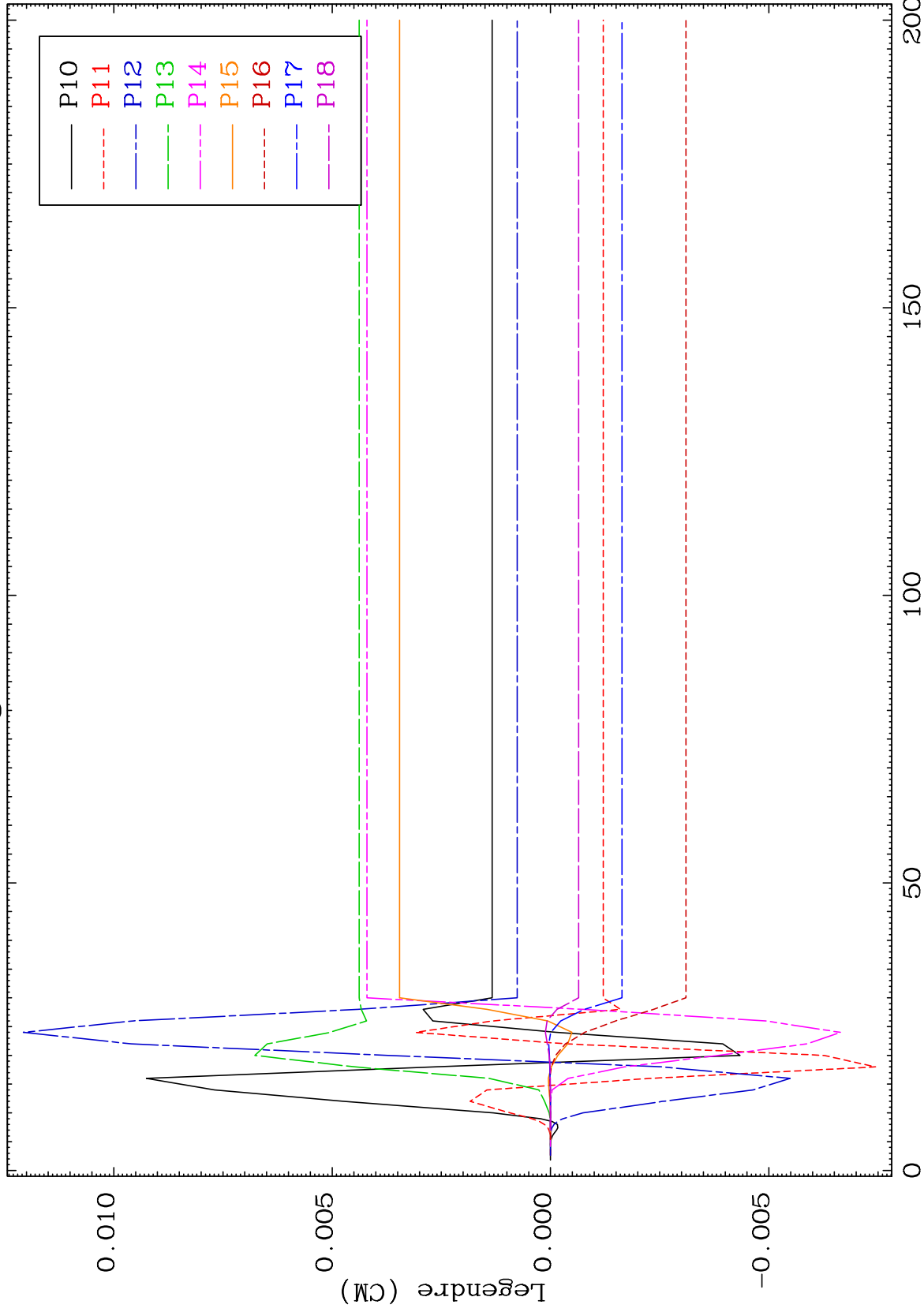
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



28

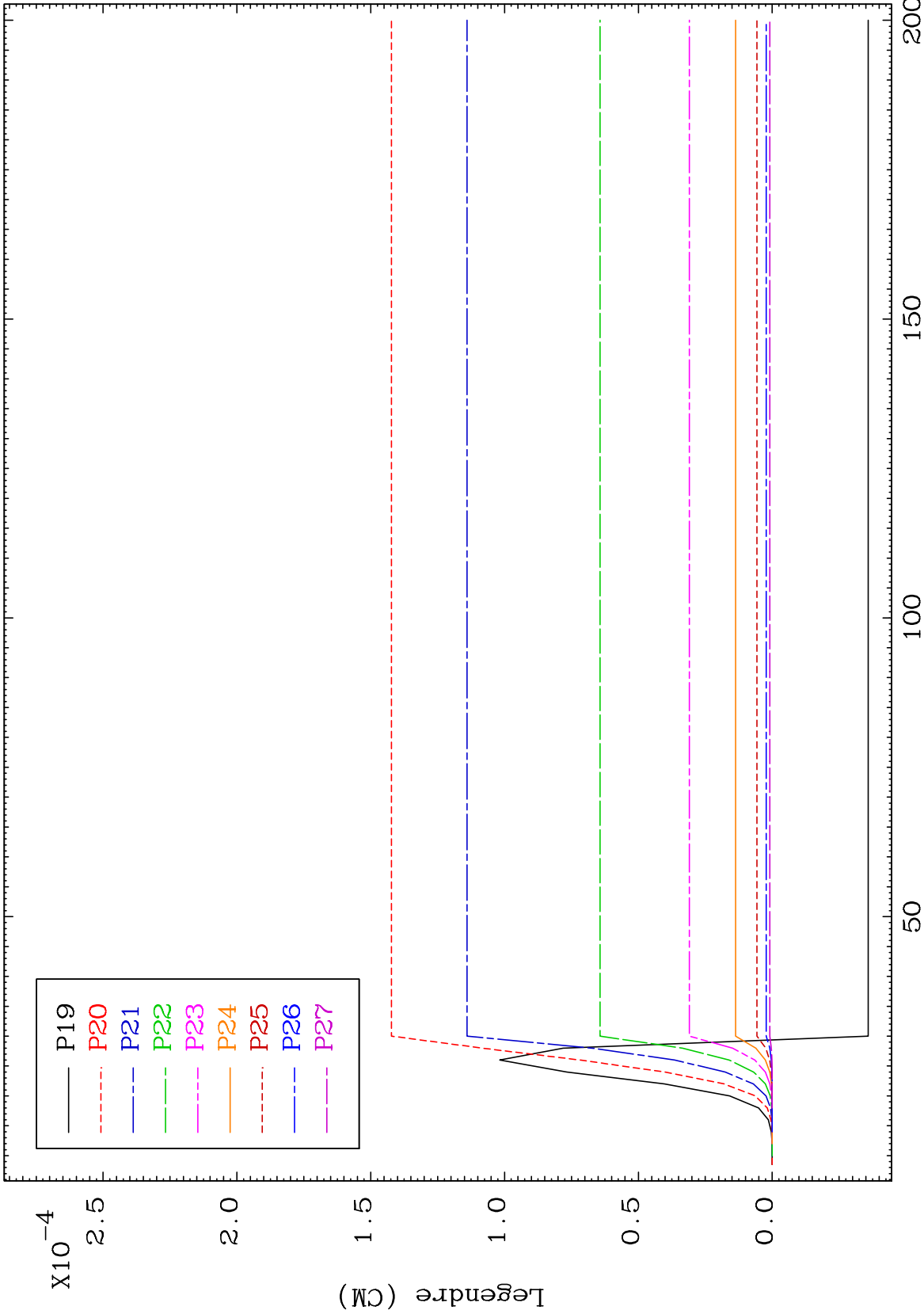
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



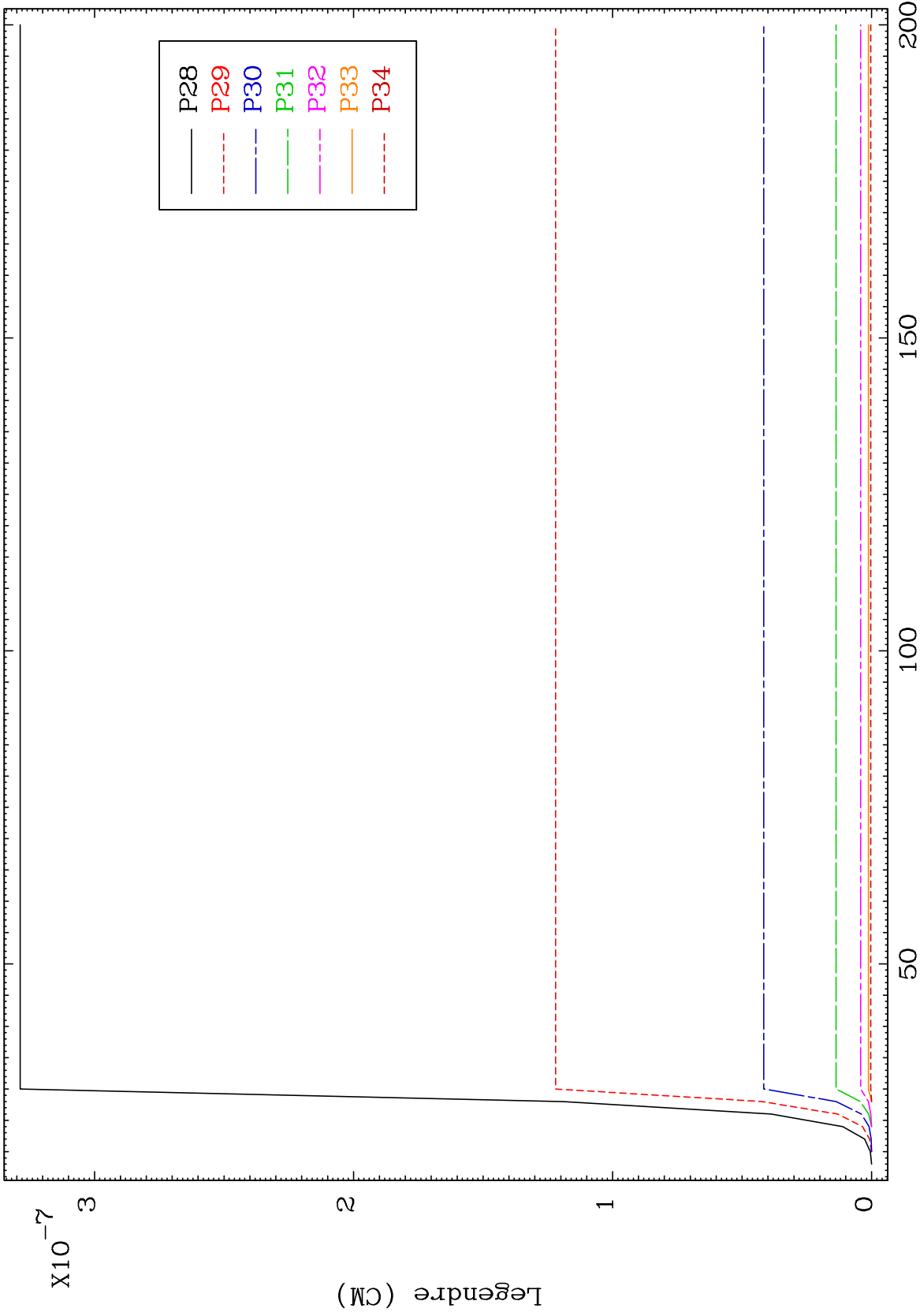
29

44-Ru-98

MAT 4431

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

44-Ru-98



30

Incident Energy (MeV)

50

100

150

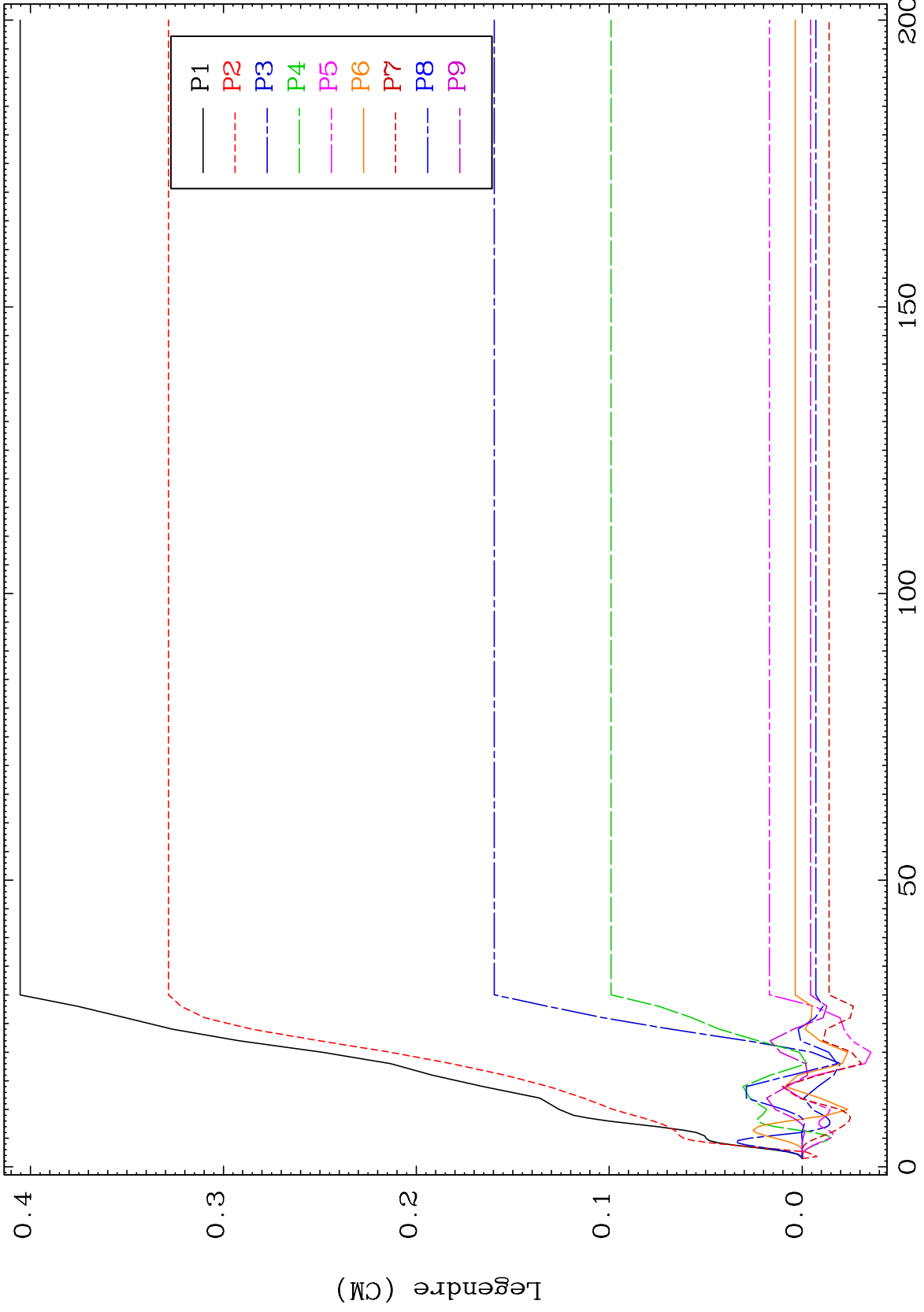
200

44-Ru-98

MAT 4431

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

44-Ru-98



31

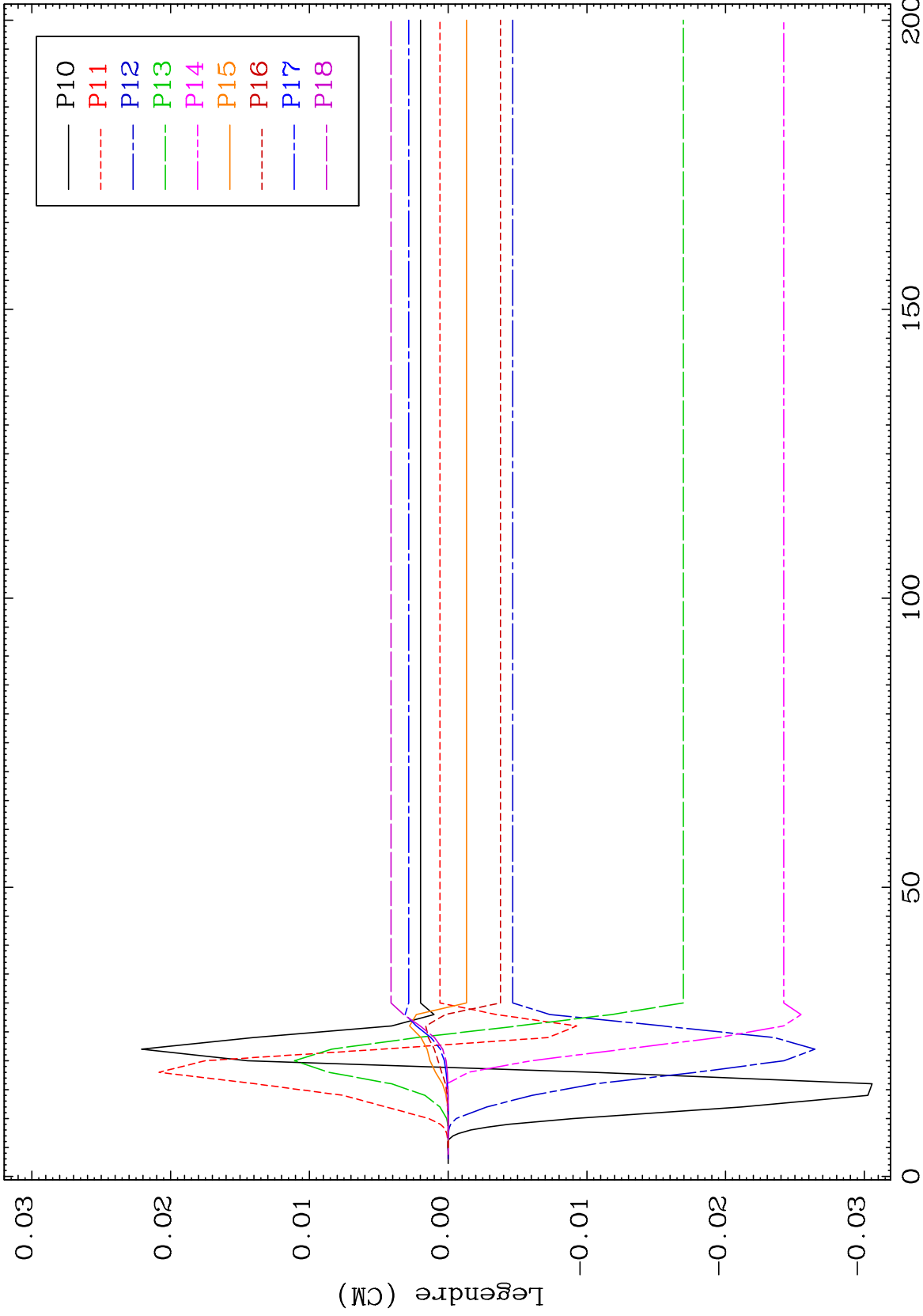
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



32

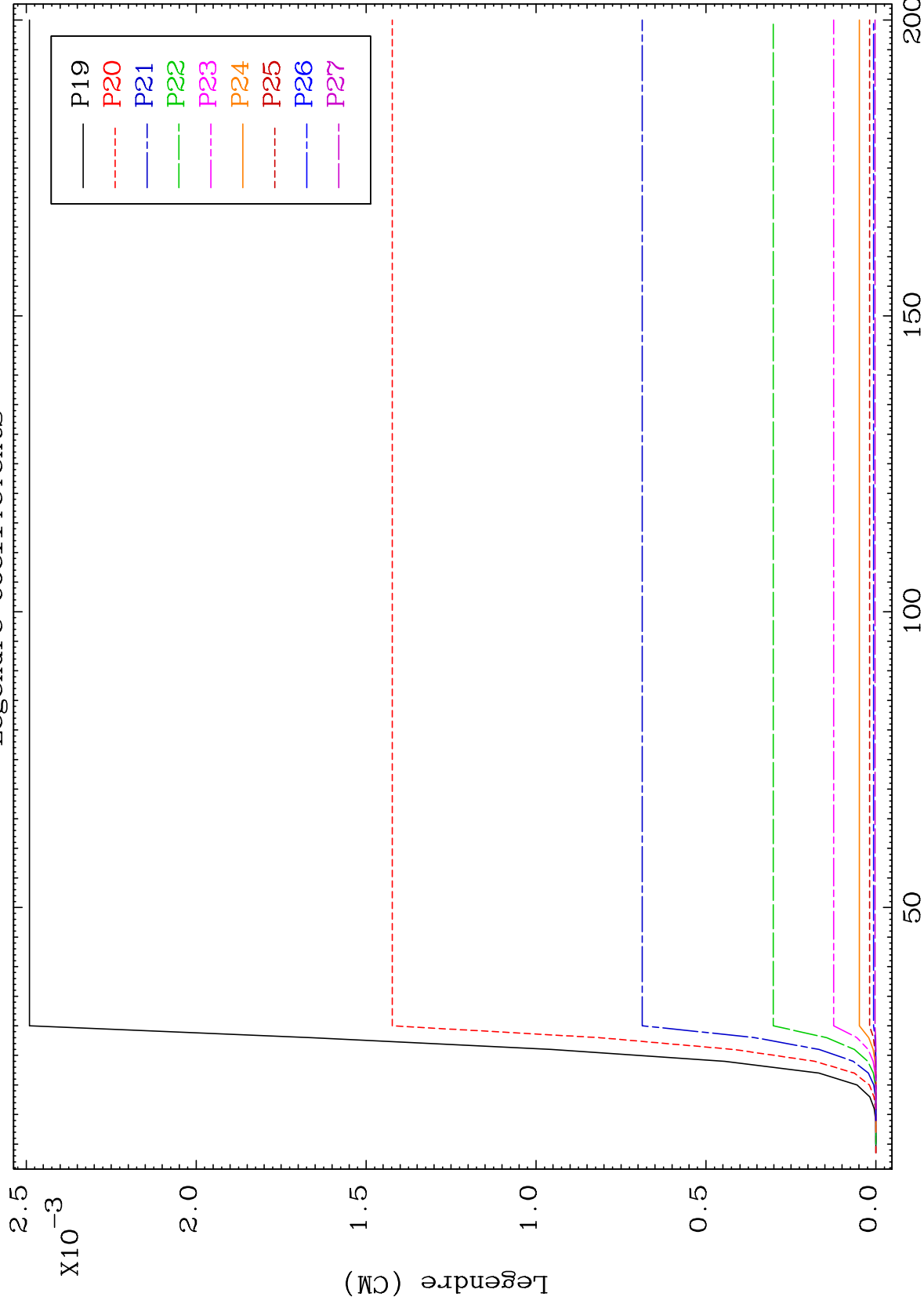
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



33

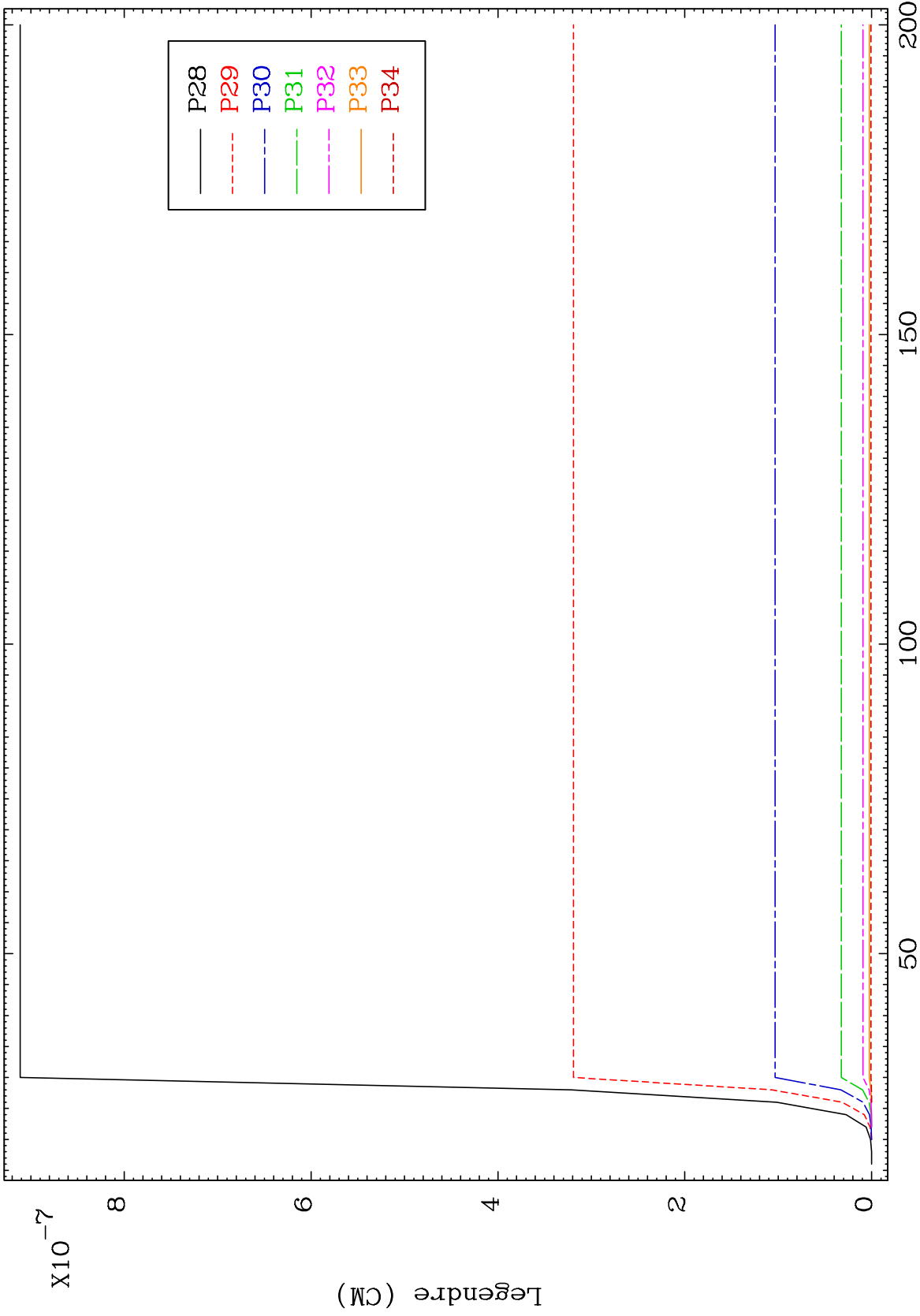
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

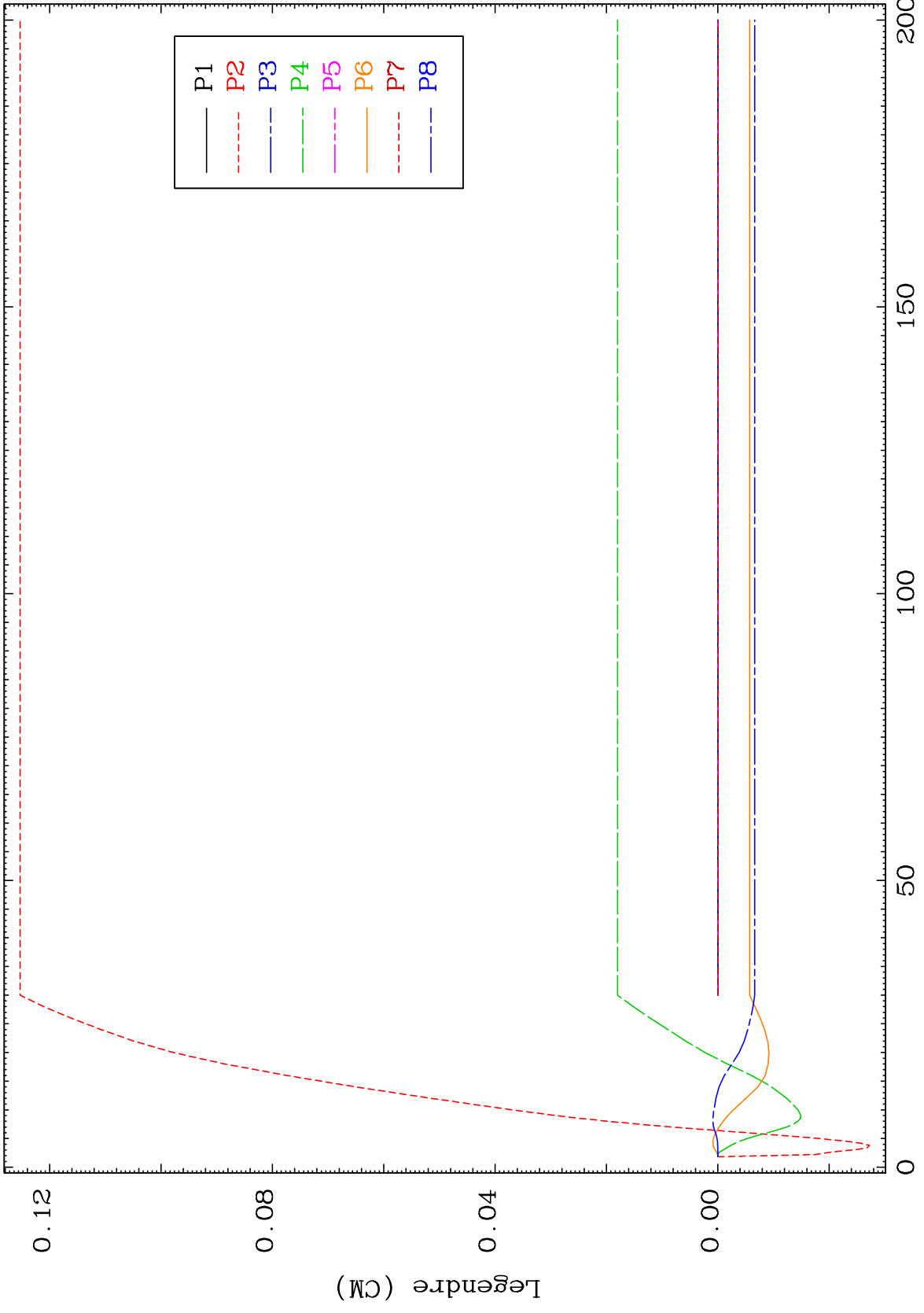


34

Incident Energy (MeV)

44-Ru-98

MAT 4431 MT= 55 (n,n') Level Legendre Coefficients 44-Ru-98

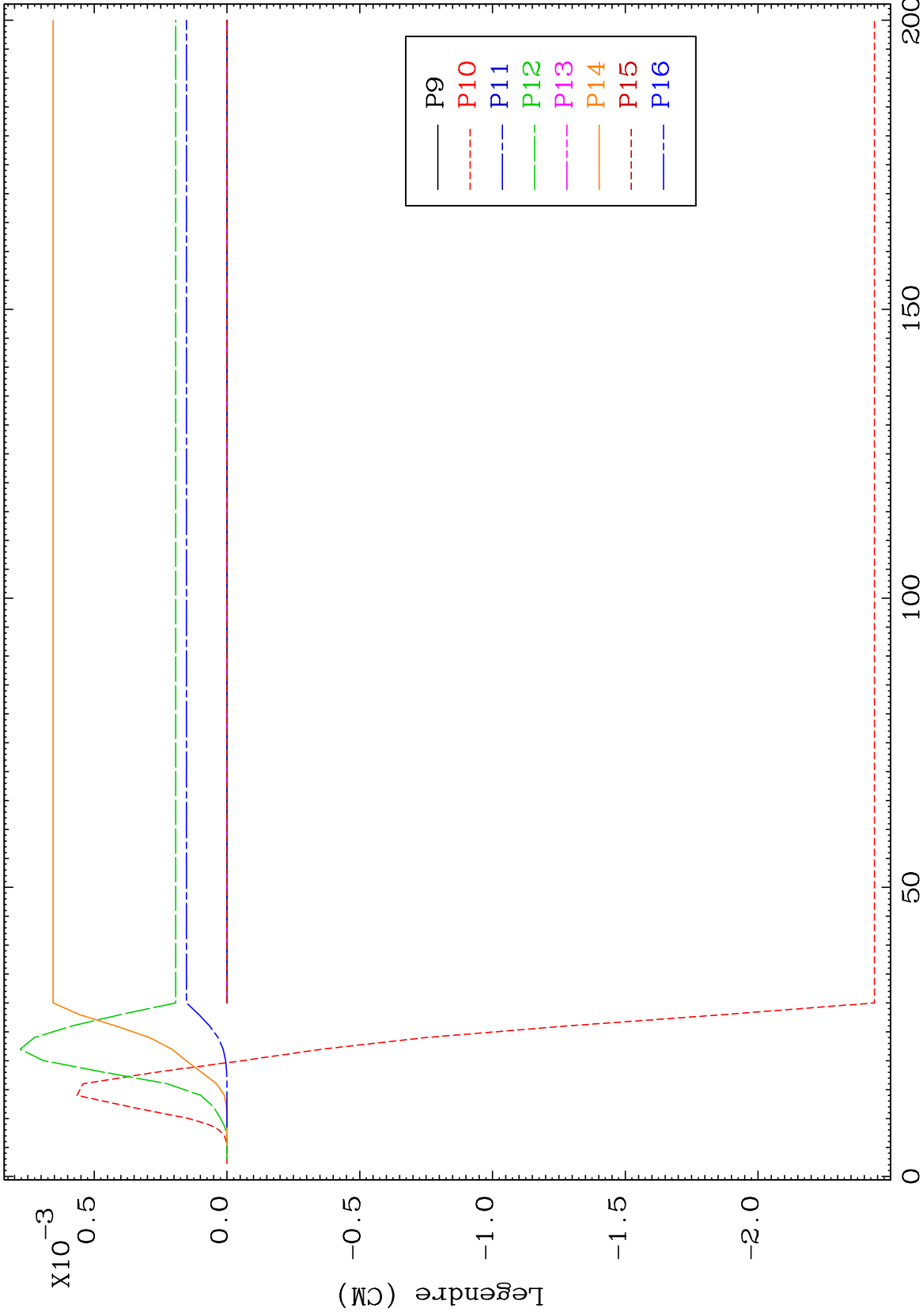


35 Incident Energy (MeV) 44-Ru-98

MAT 4431

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

44-Ru-98

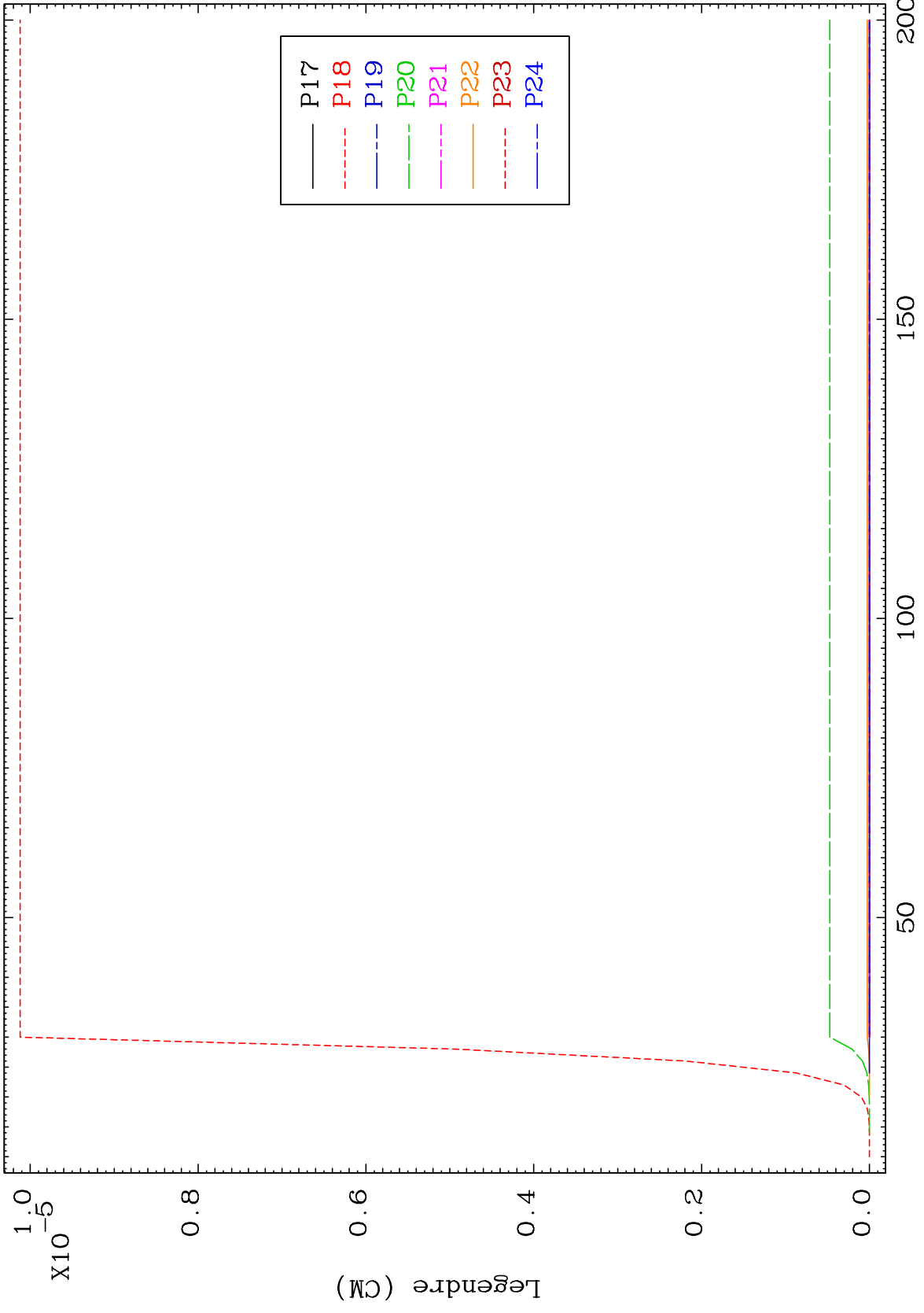


36

Incident Energy (MeV)

44-Ru-98

MAT 4431 MT= 55 (n,n') Level Legendre Coefficients 44-Ru-98

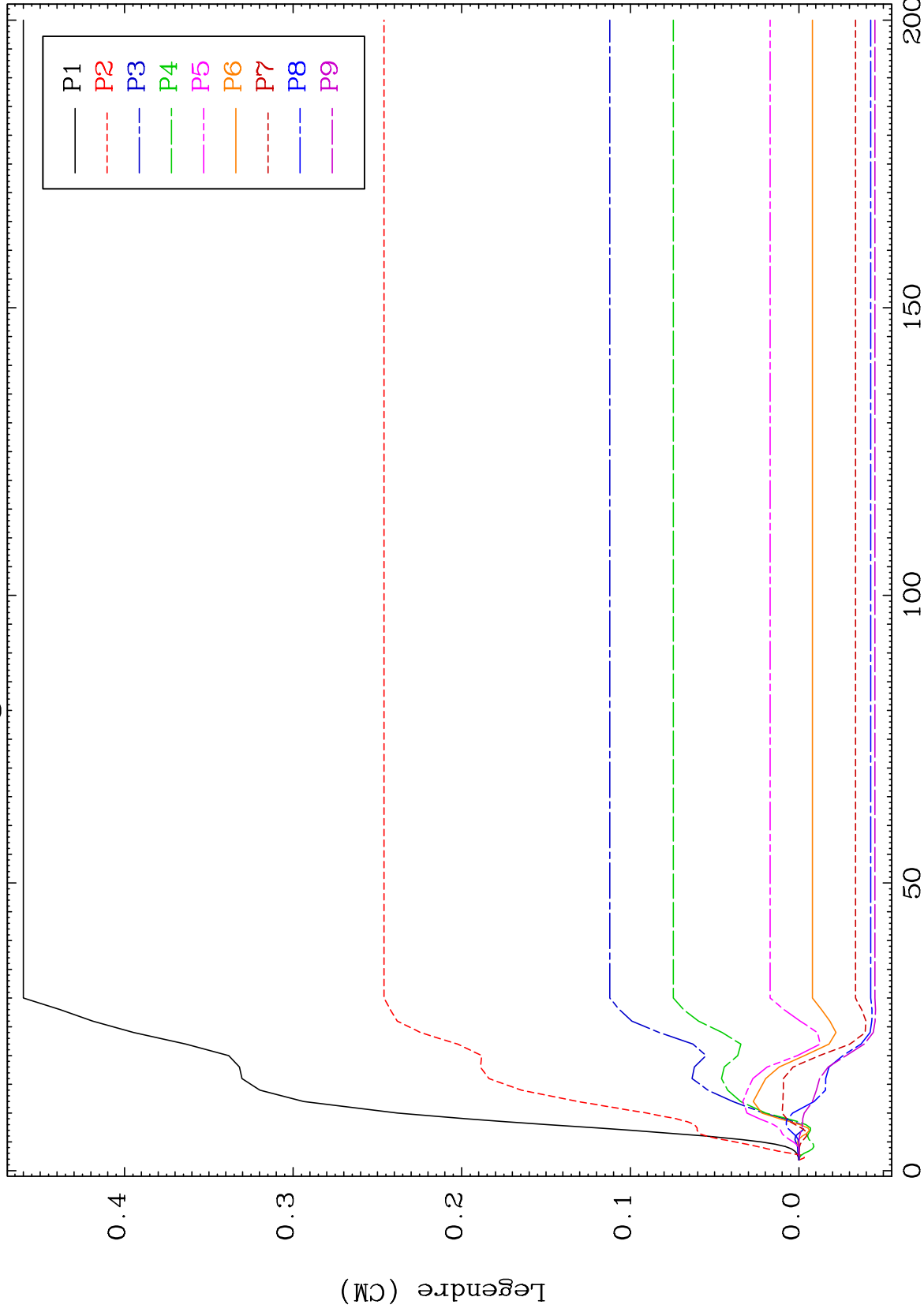


37 Incident Energy (MeV) 44-Ru-98

MAT 4431

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

44-Ru-98



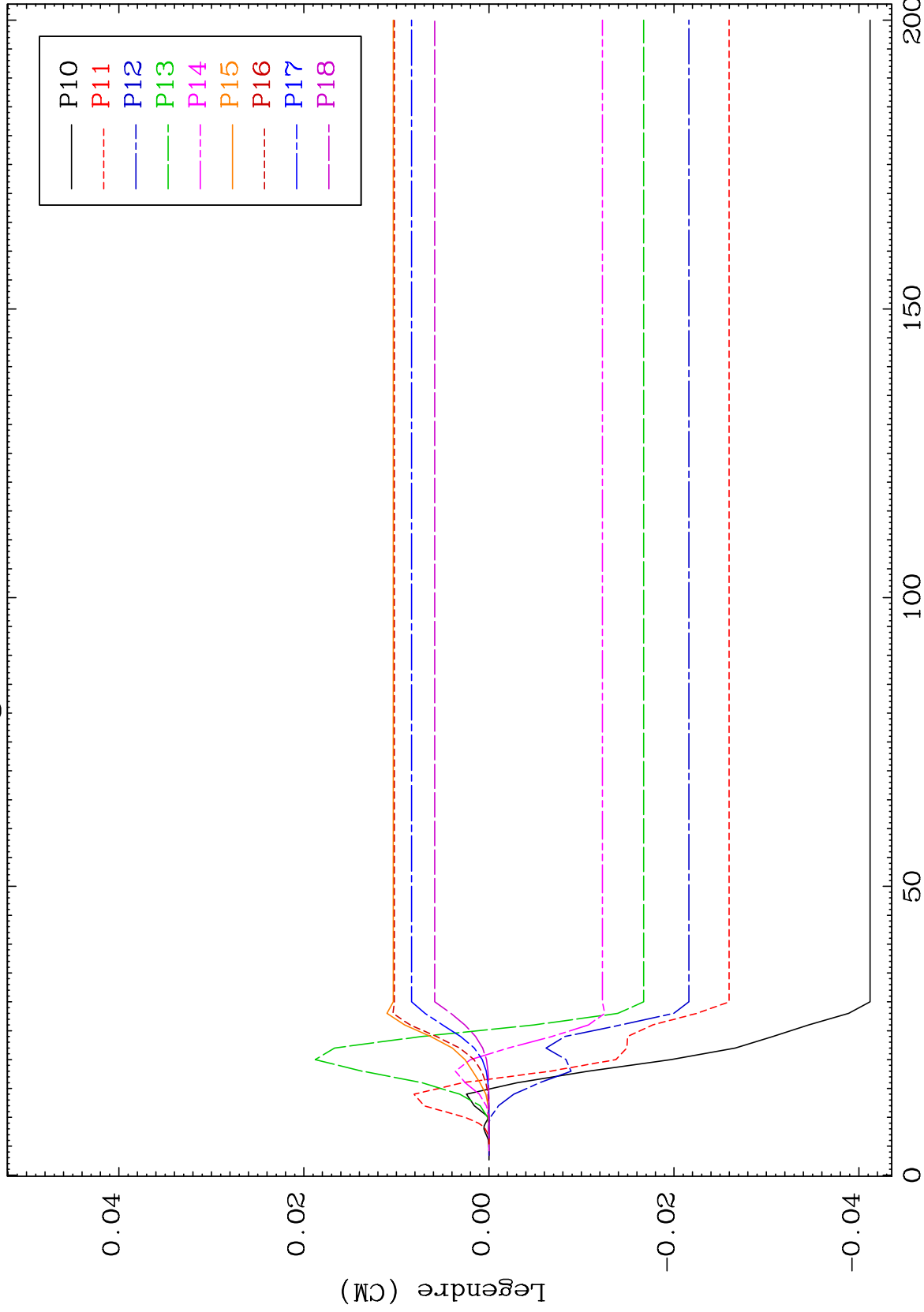
38

44-Ru-98

MAT 4431

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

44-Ru-98



39

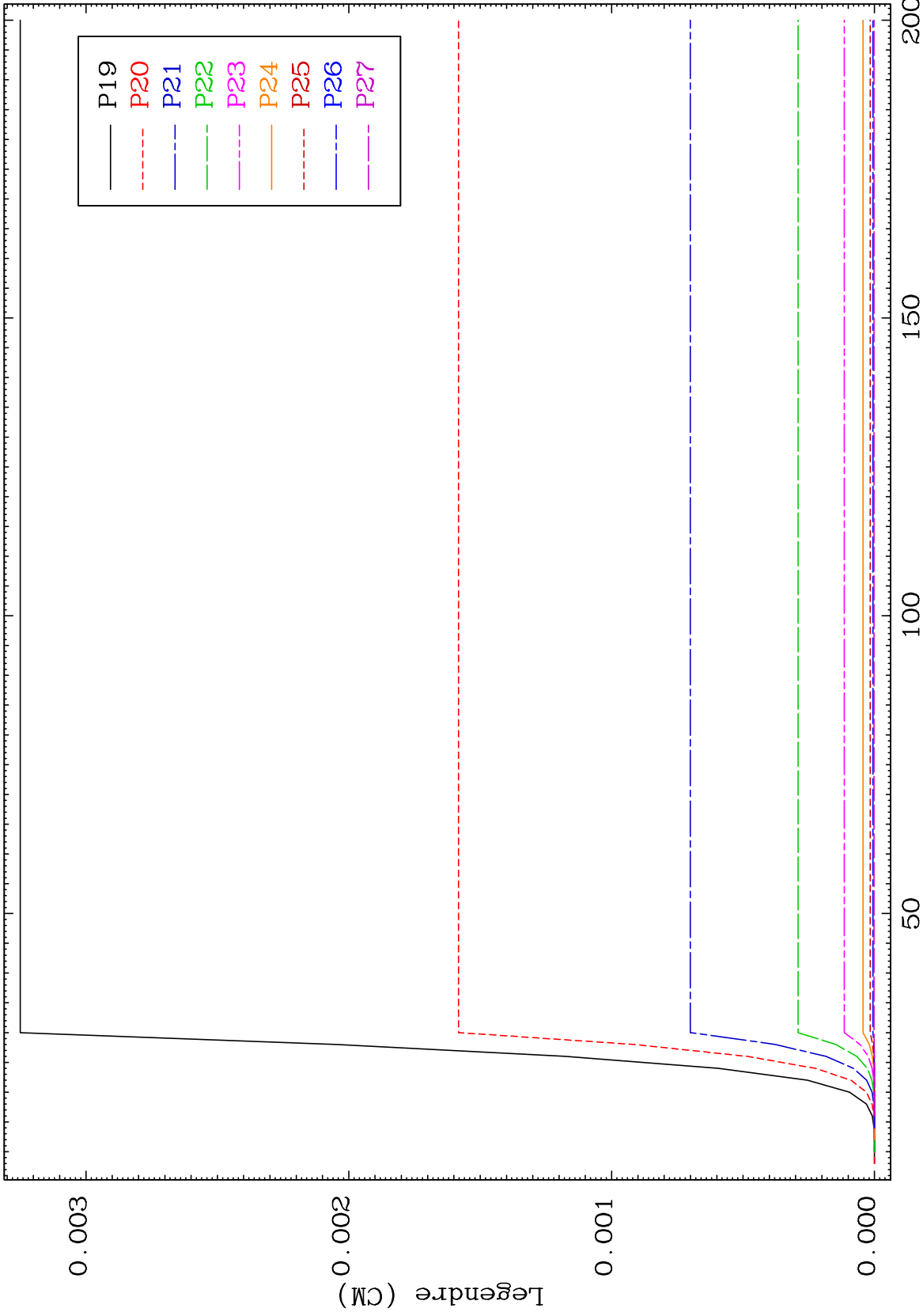
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



40

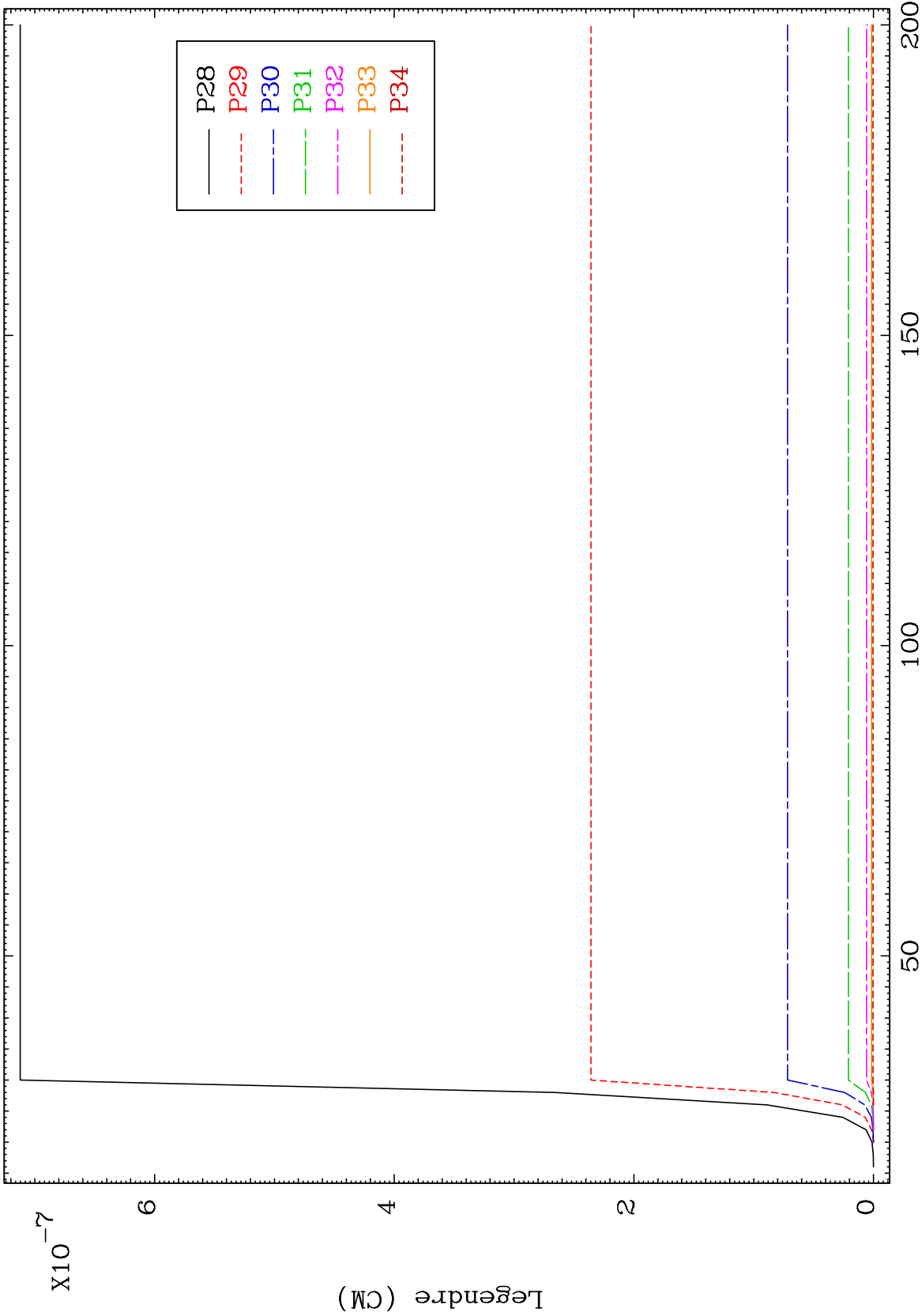
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



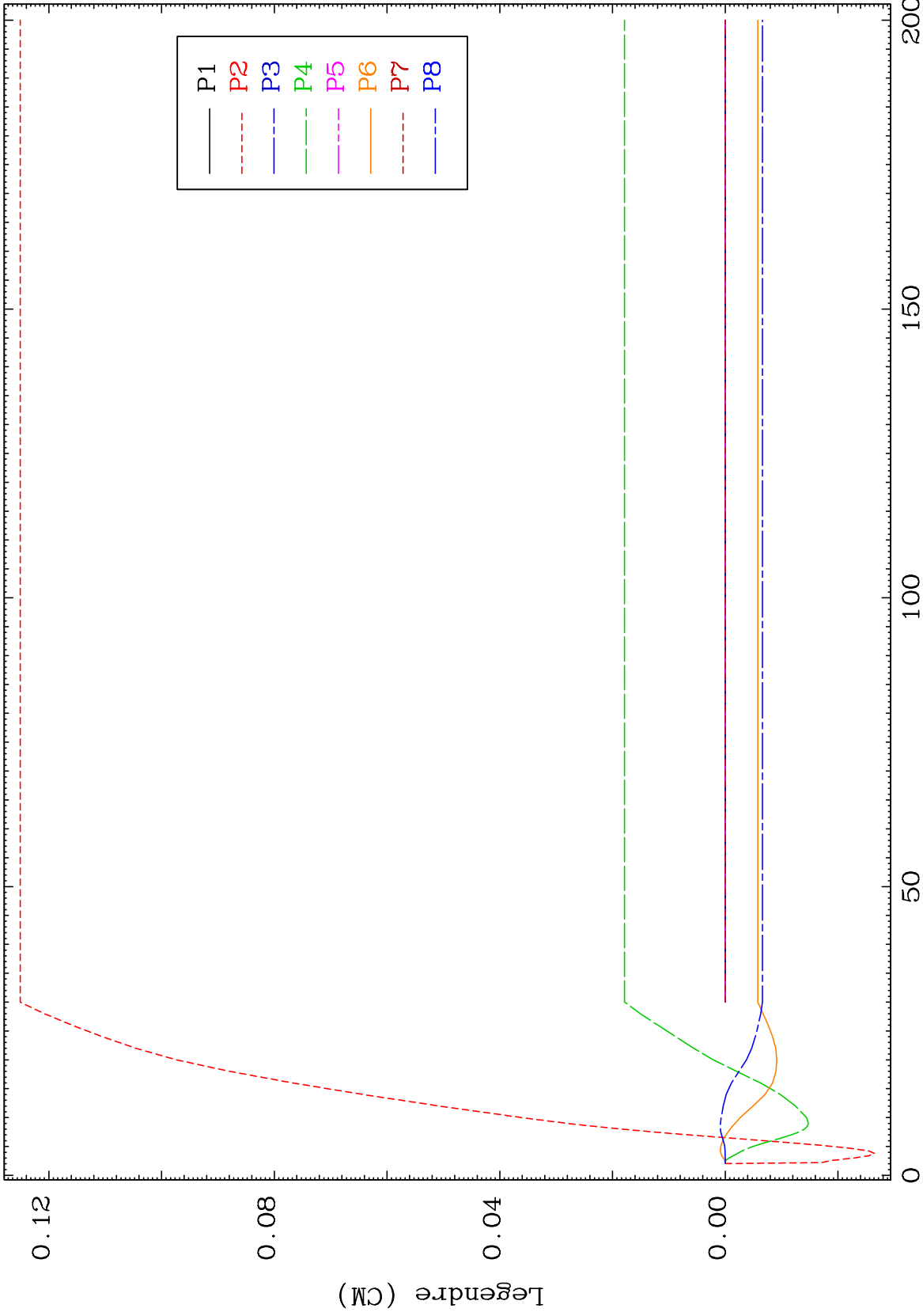
41

44-Ru-98

MAT 4431

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

44-Ru-98



42

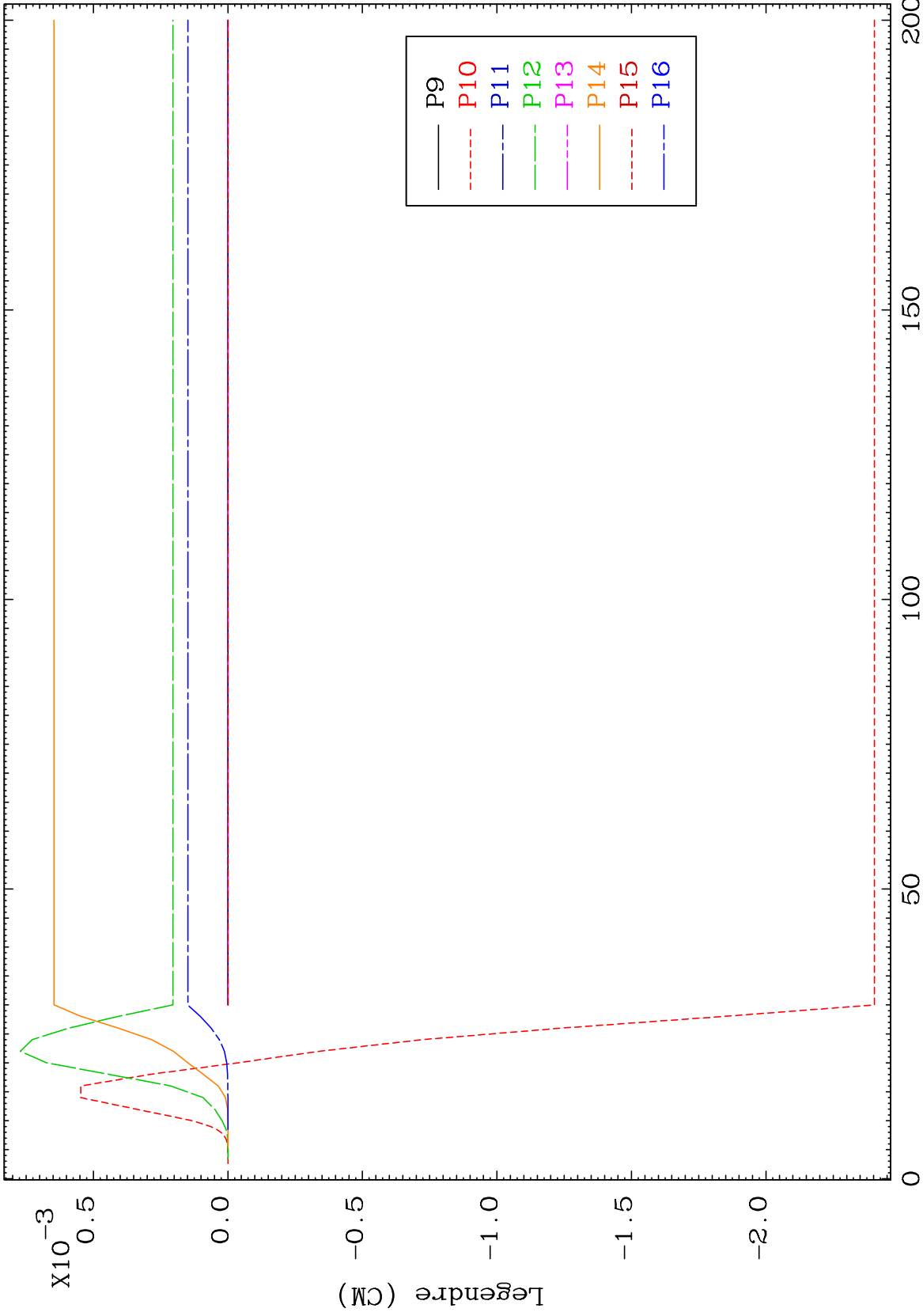
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

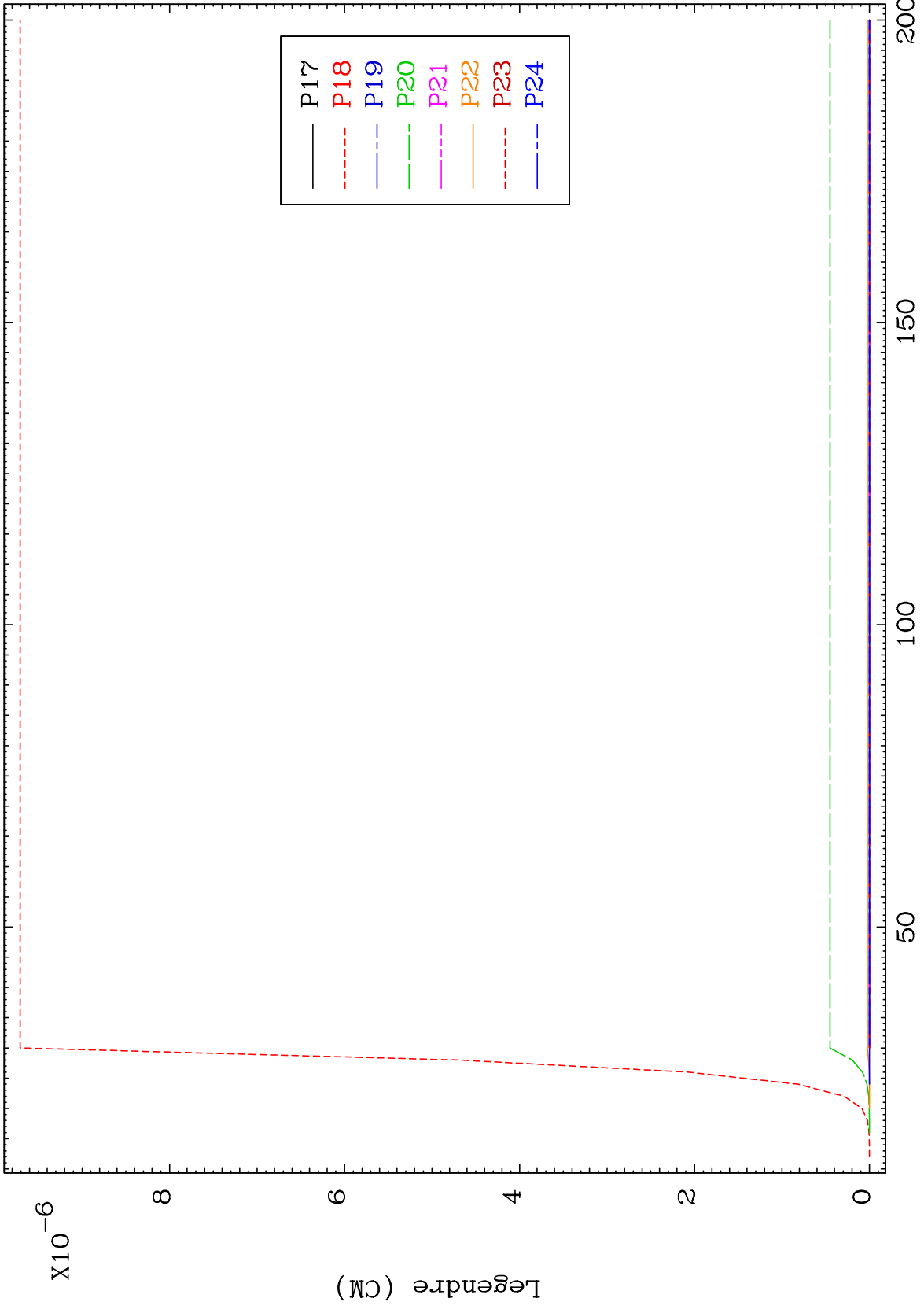


43

Incident Energy (MeV)

44-Ru-98

MAT 4431 MT= 57 (n,n') Level Legendre Coefficients 44-Ru-98

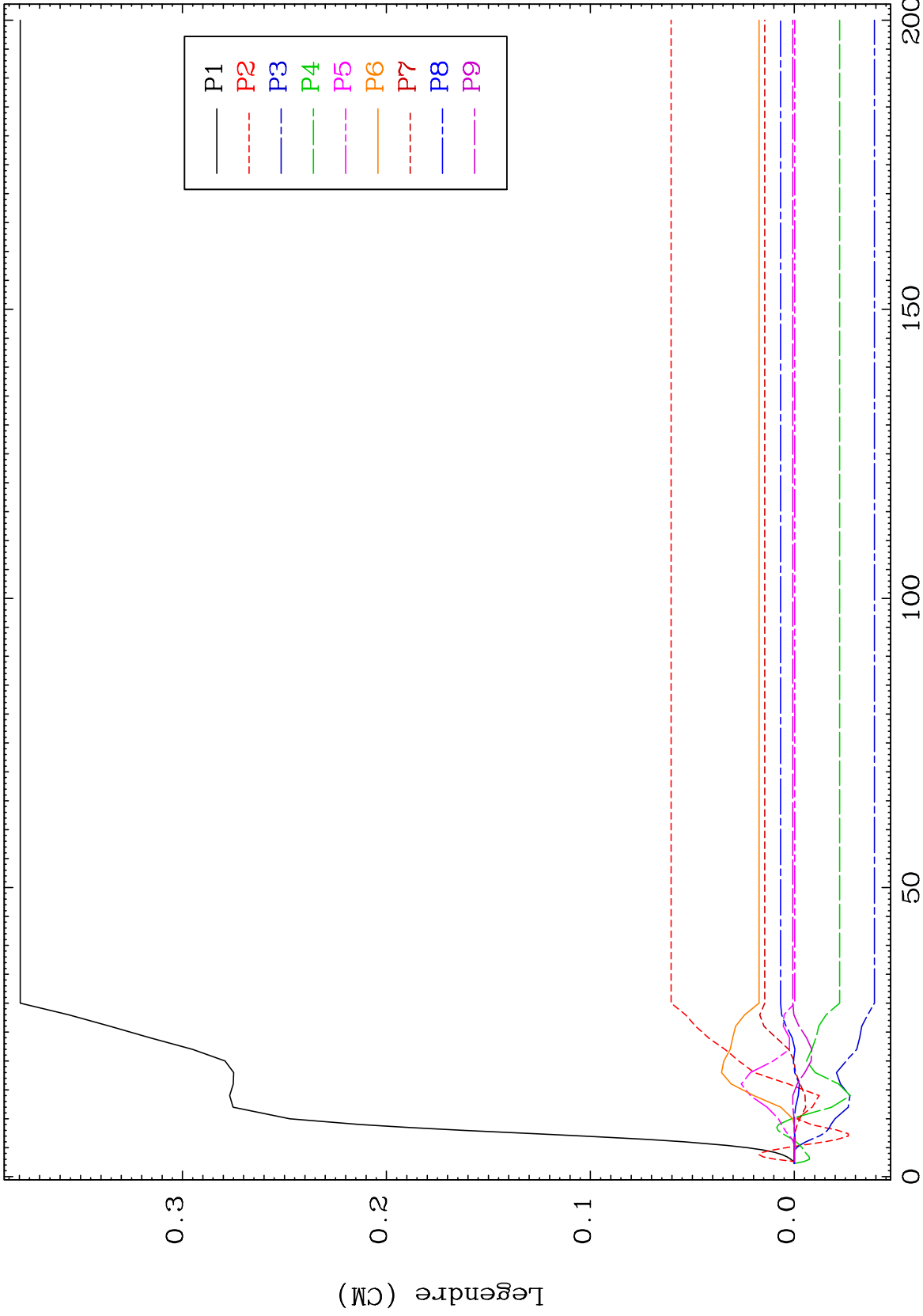


44-Ru-98

MAT 4431

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

44-Ru-98



45

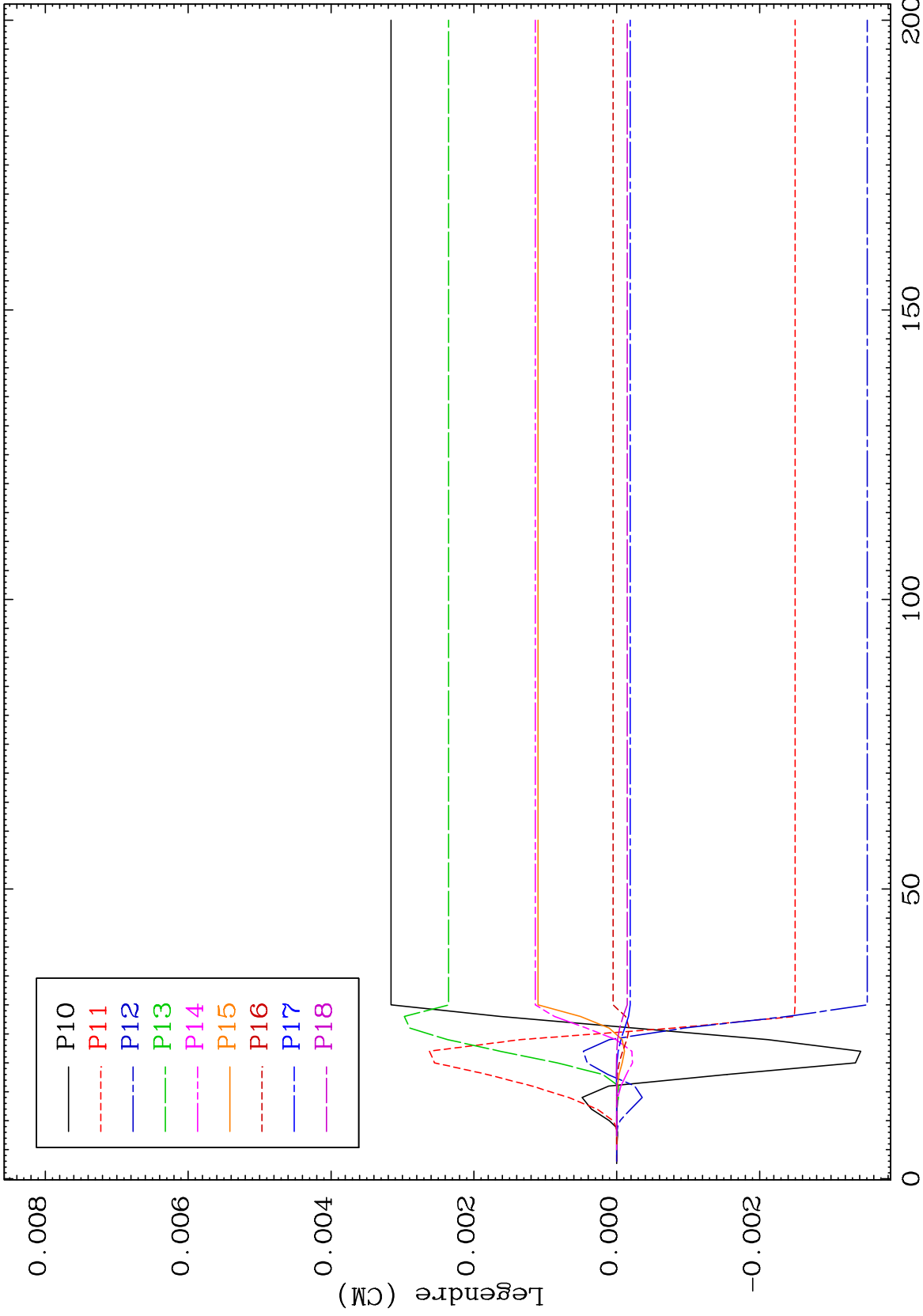
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



46

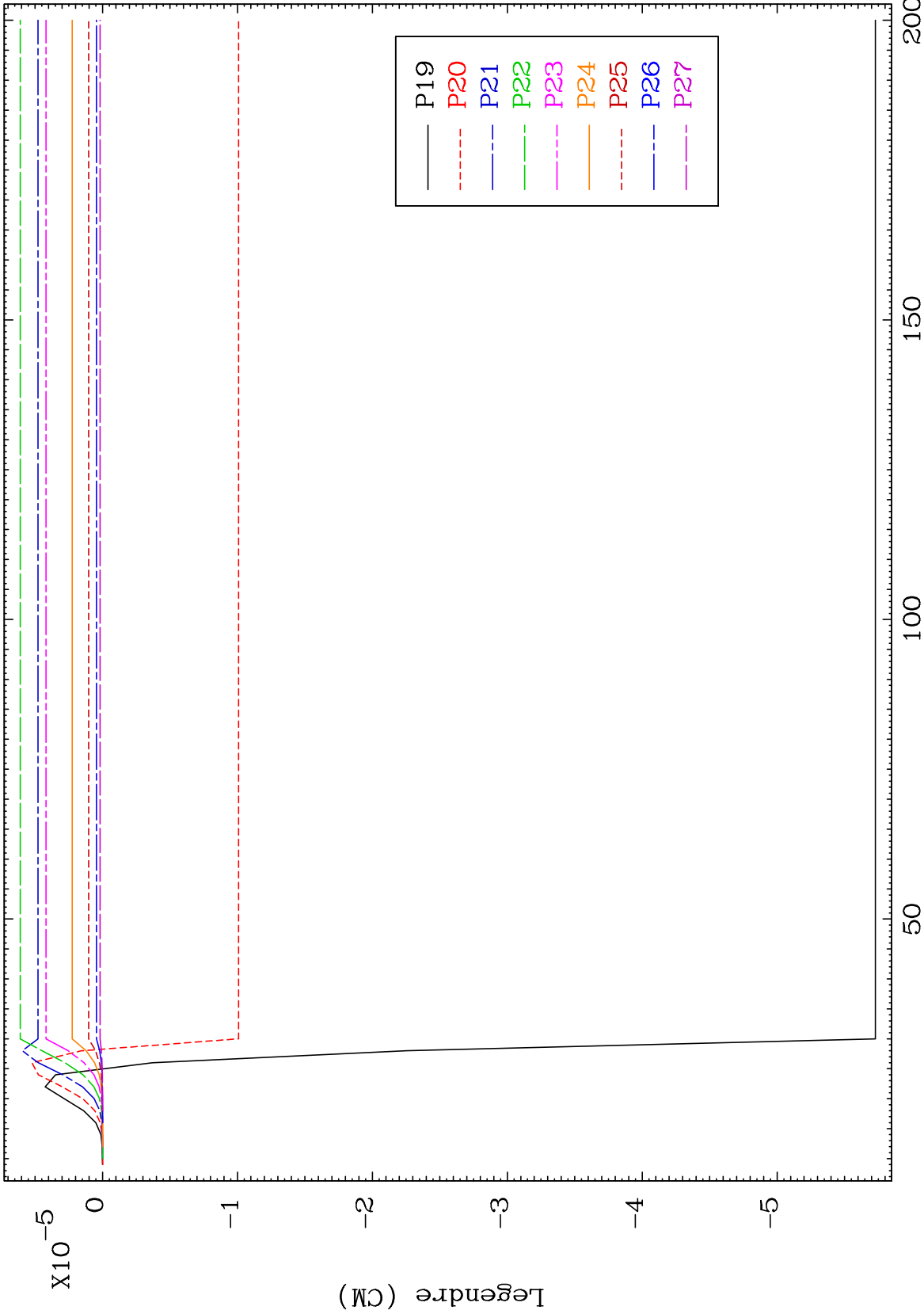
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



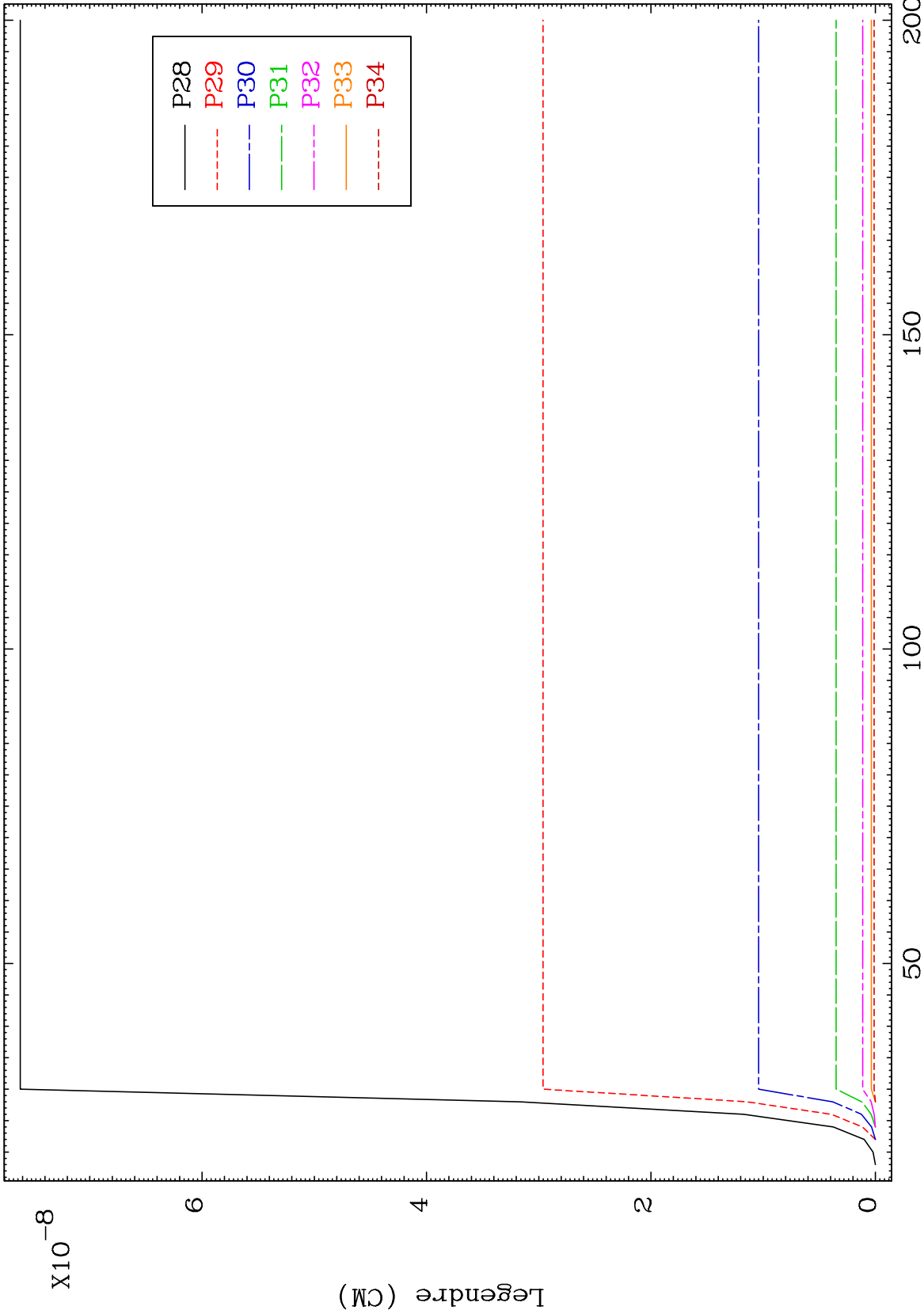
47

44-Ru-98

MAT 4431

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

44-Ru-98



48

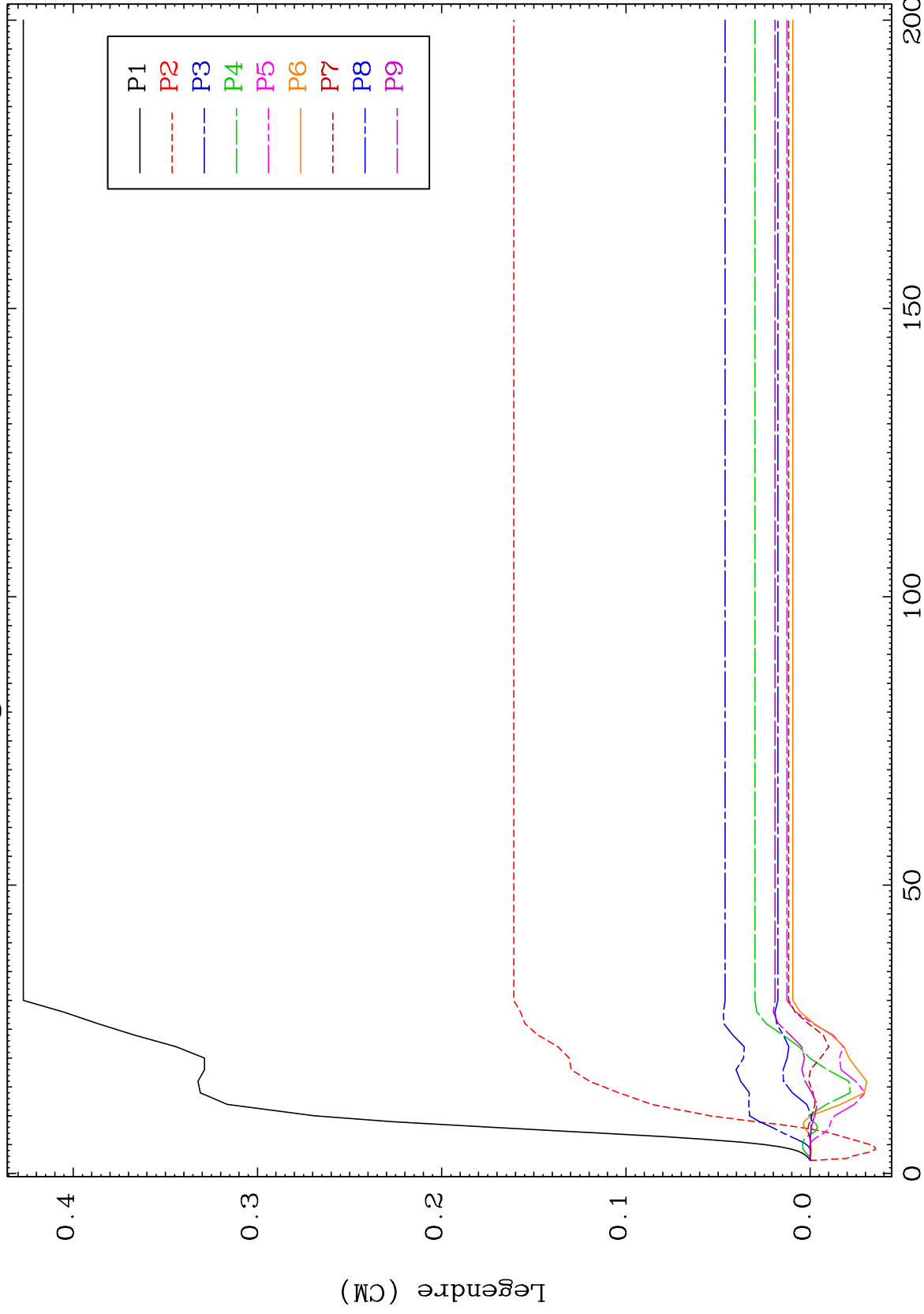
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



49

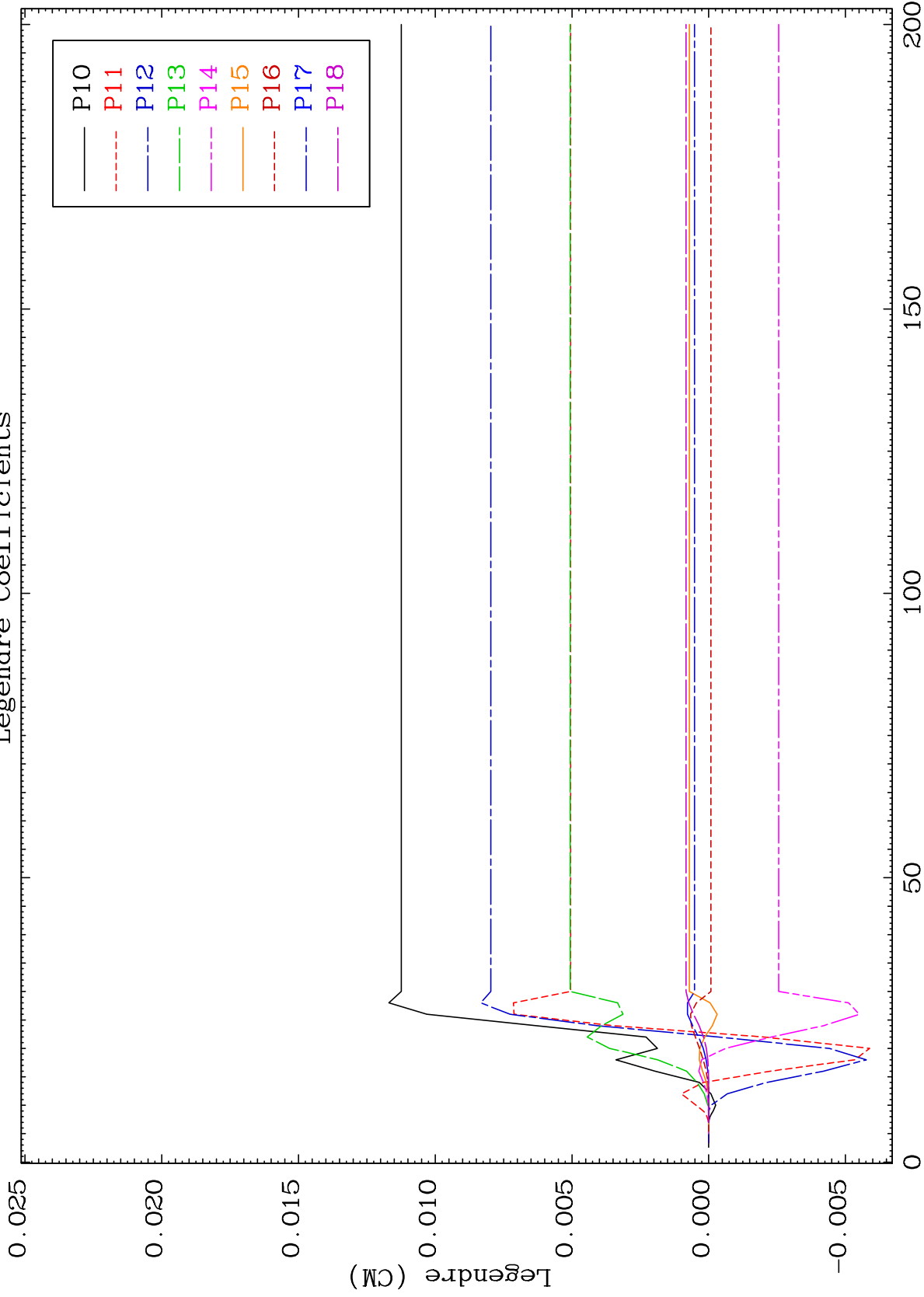
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



44-Ru-98

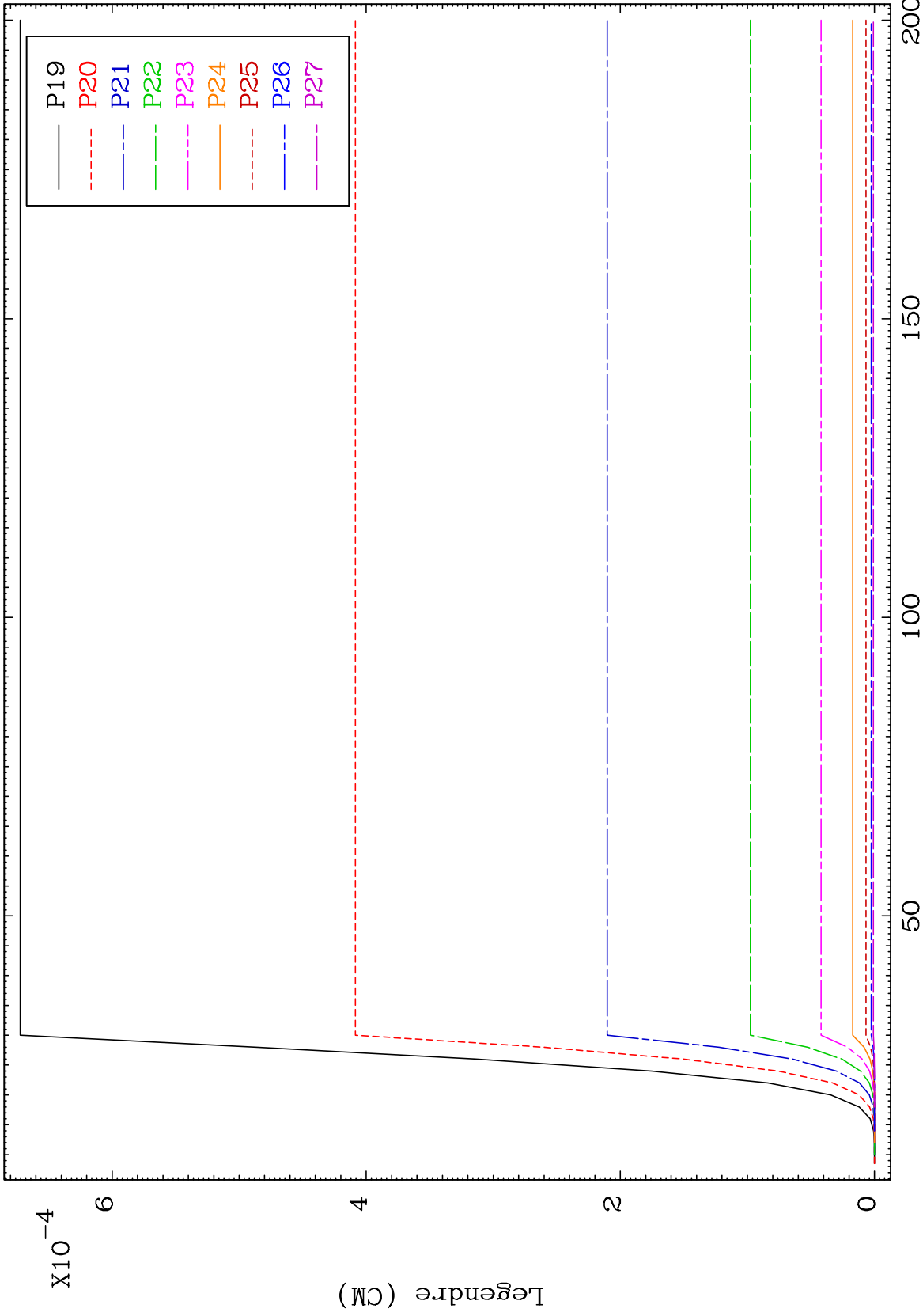
Incident Energy (MeV)

50

MAT 4431

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

44-Ru-98



51

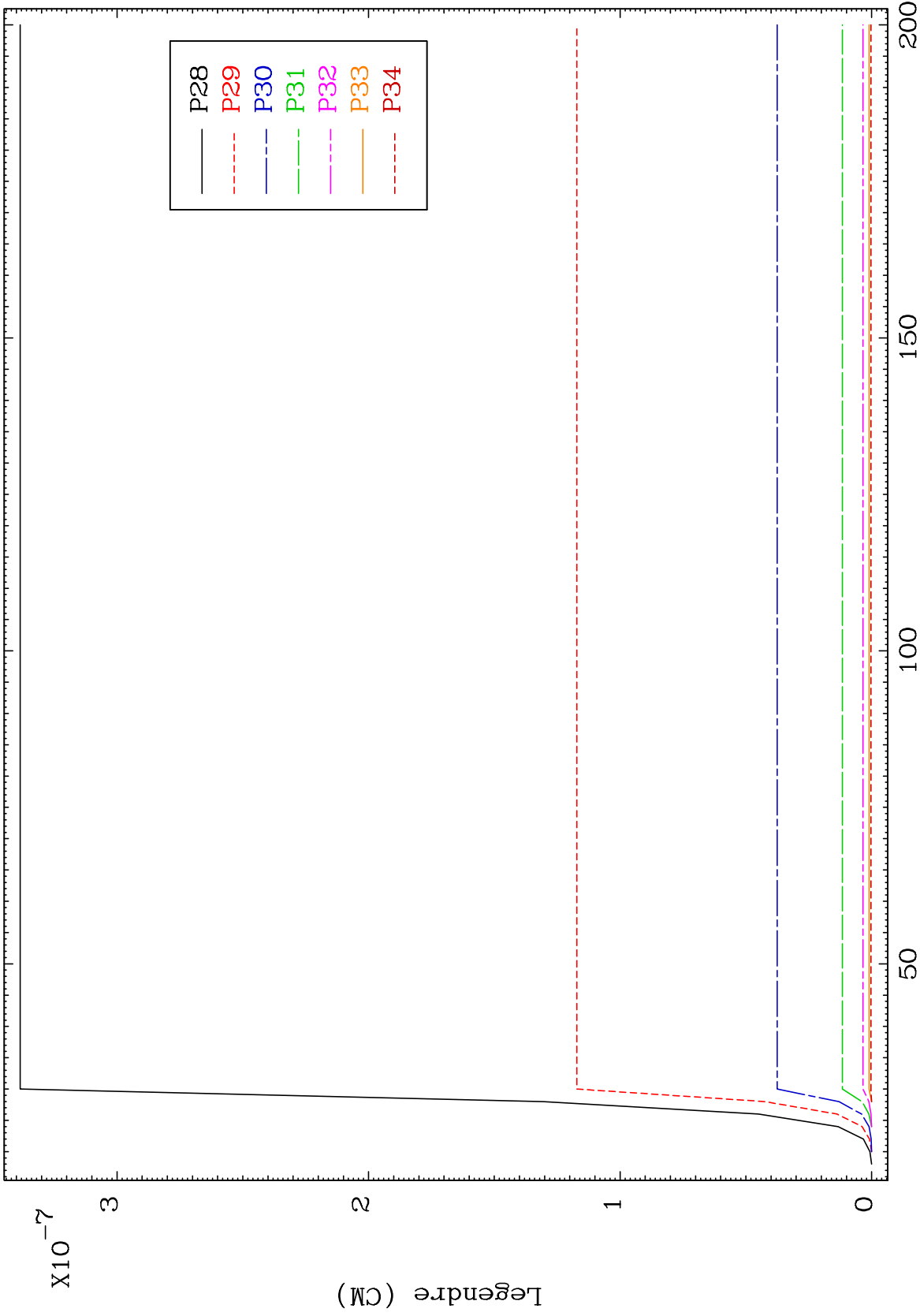
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

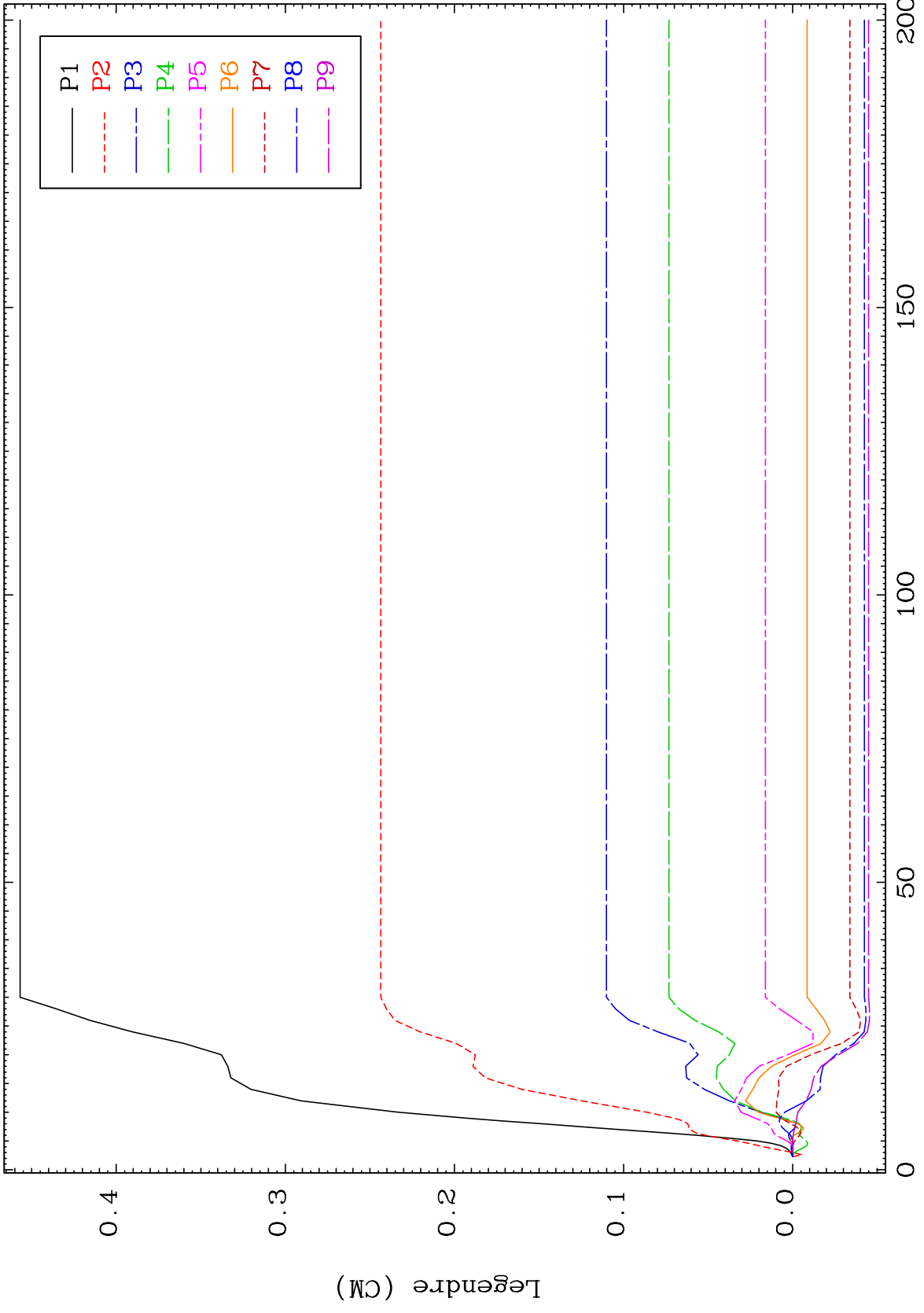


52

Incident Energy (MeV)

44-Ru-98

MAT 4431 MT= 60 (n,n') Level Legendre Coefficients 44-Ru-98

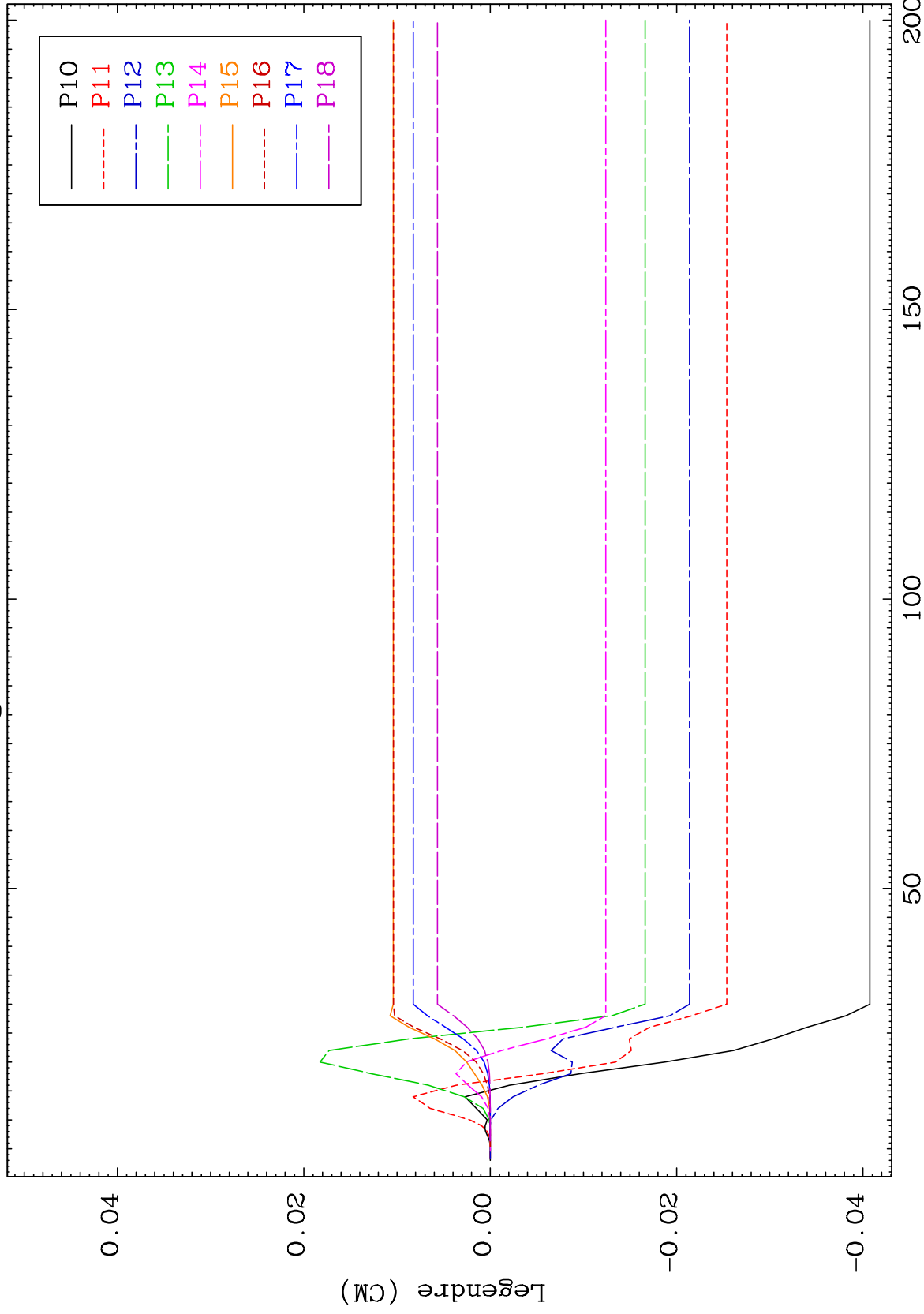


53 44-Ru-98

MAT 4431

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

44-Ru-98



54

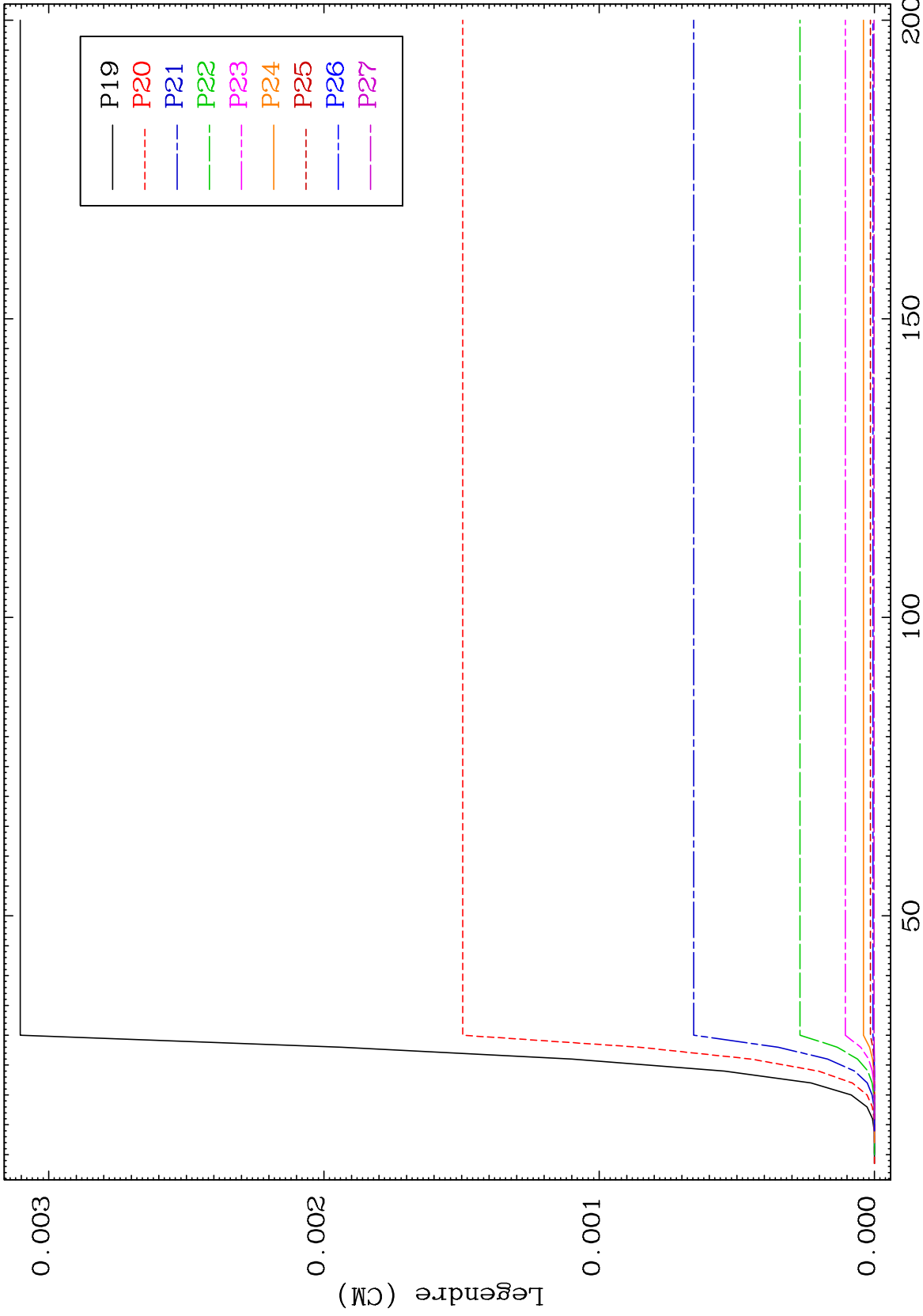
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



55

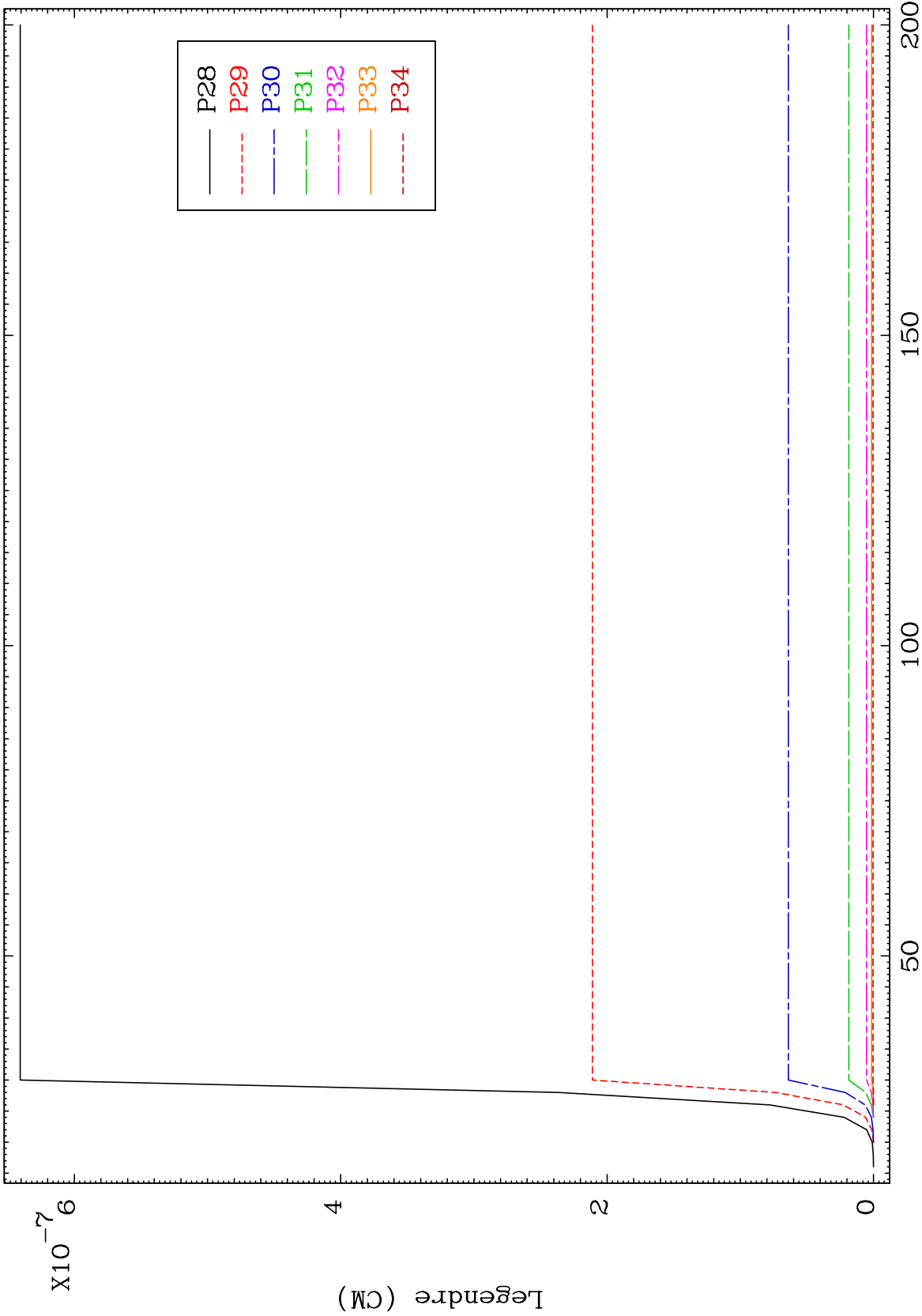
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



56

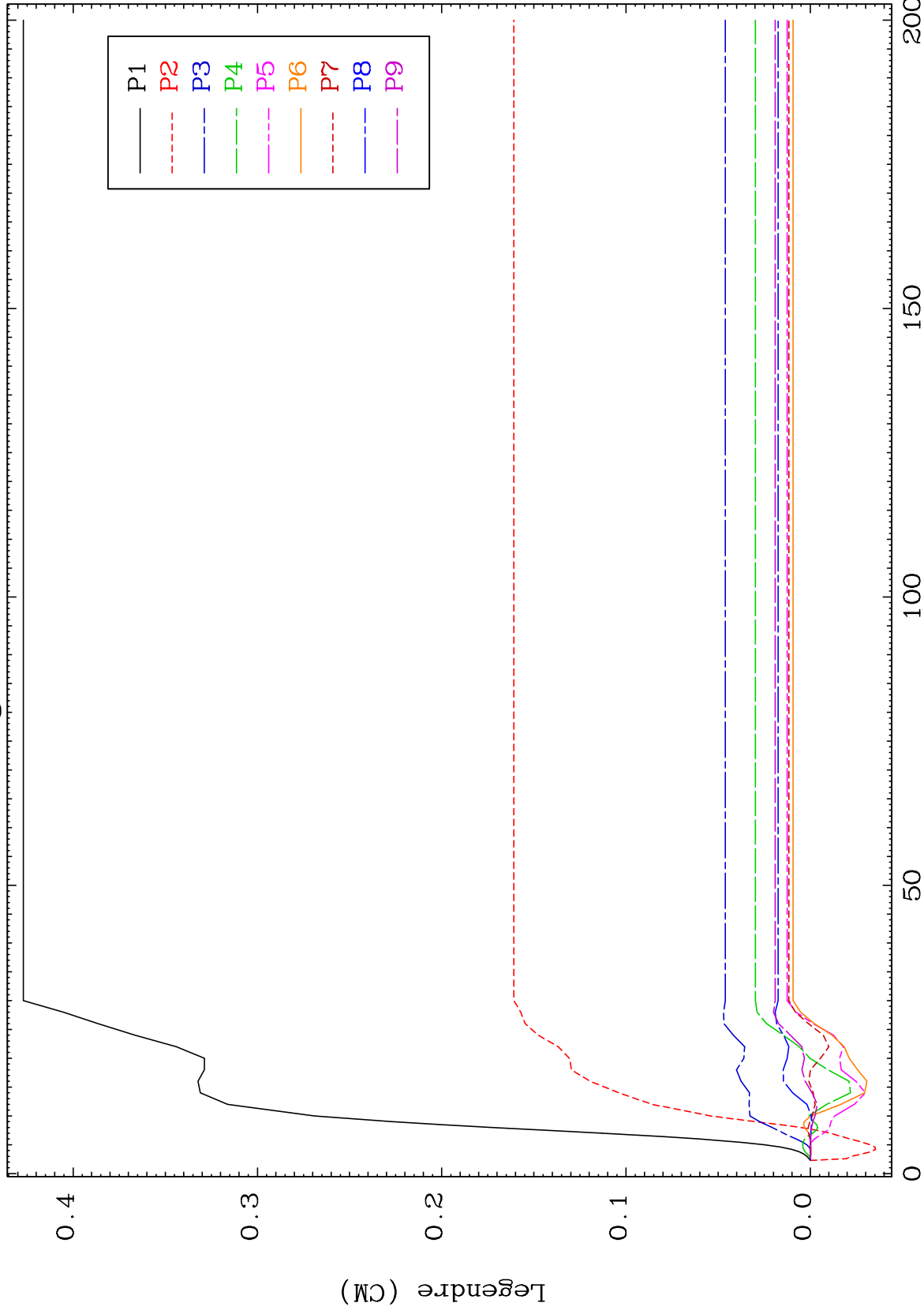
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



57

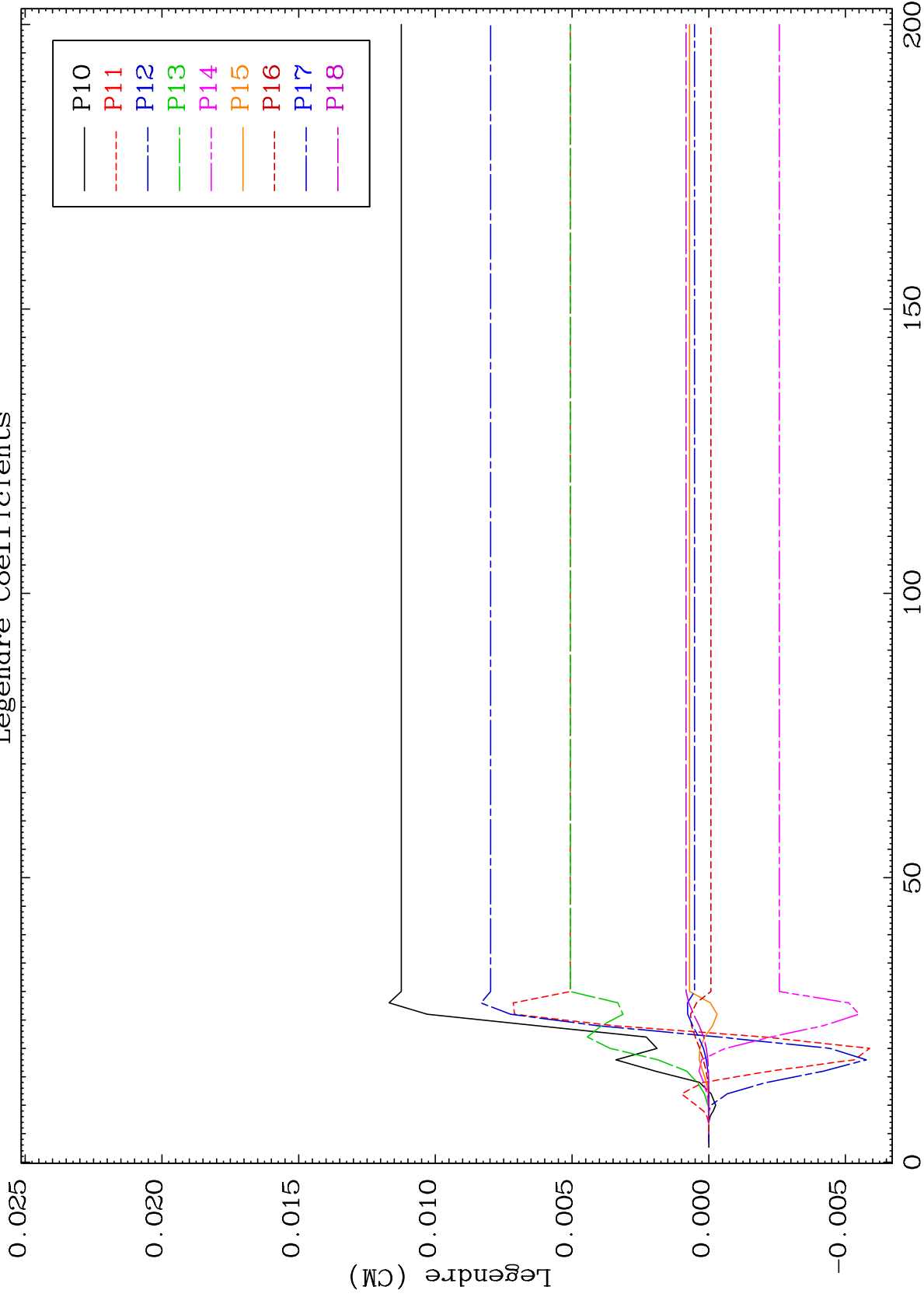
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



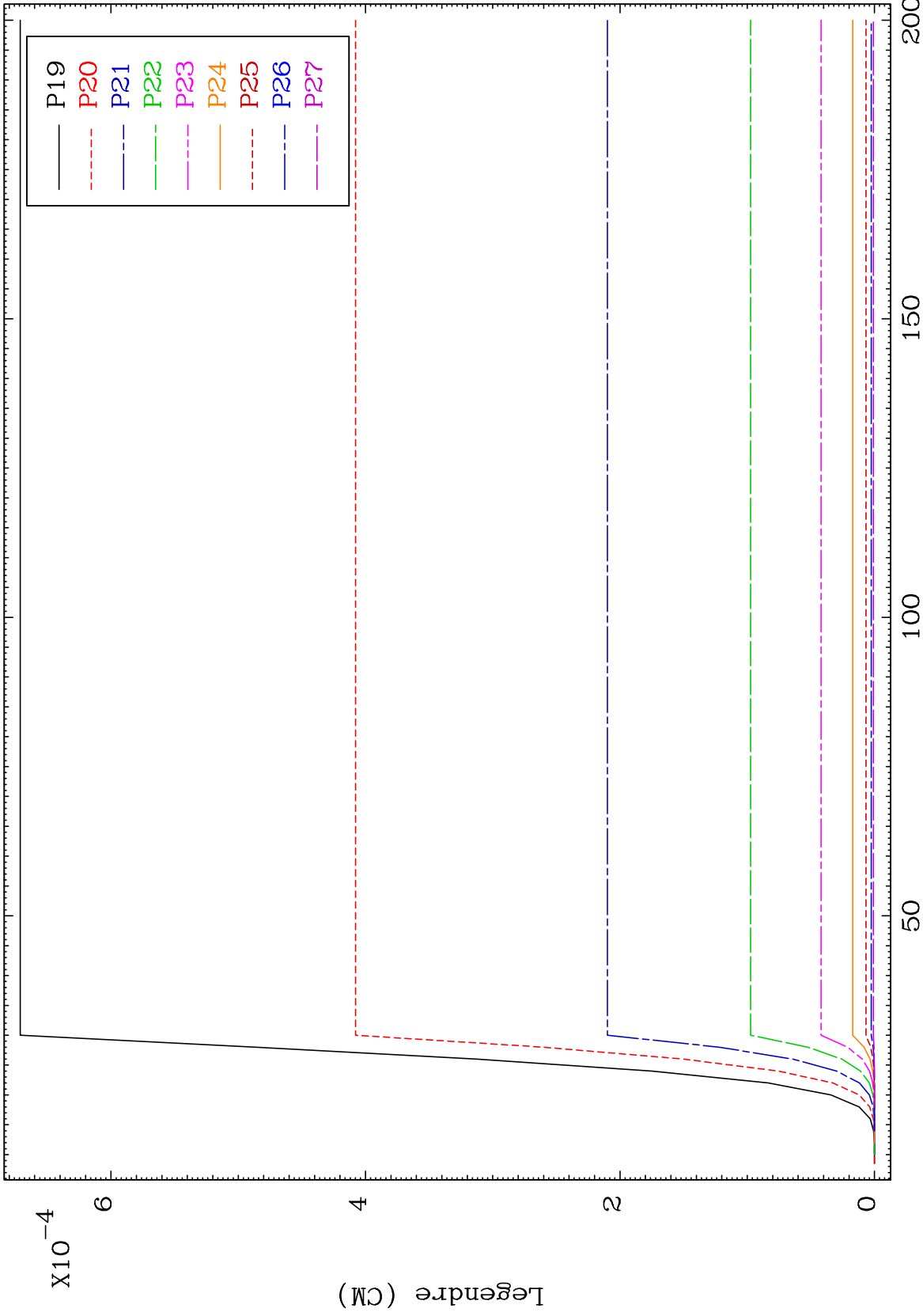
58

44-Ru-98

MAT 4431

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

44-Ru-98



59

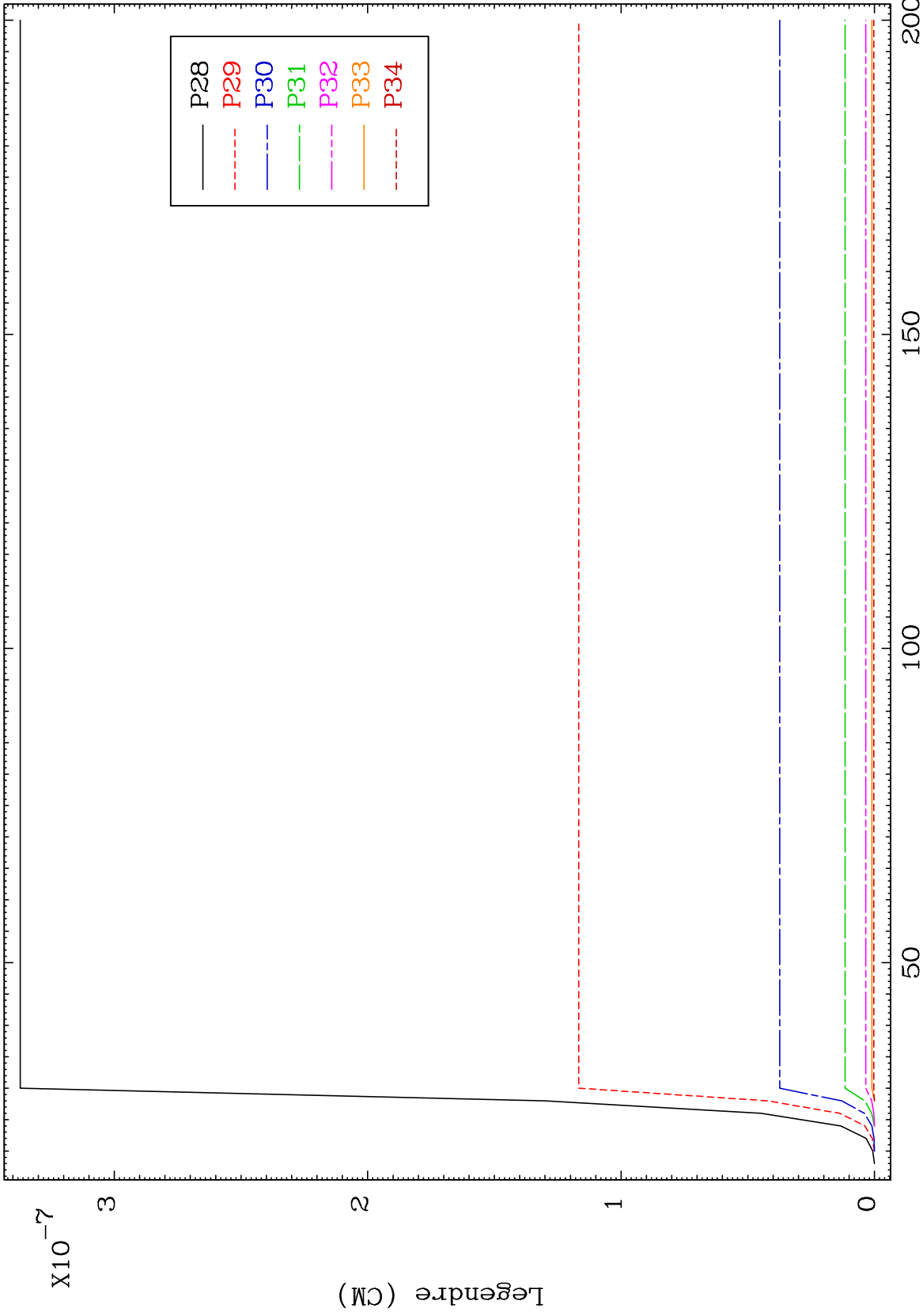
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



60

Incident Energy (MeV)

50

100

150

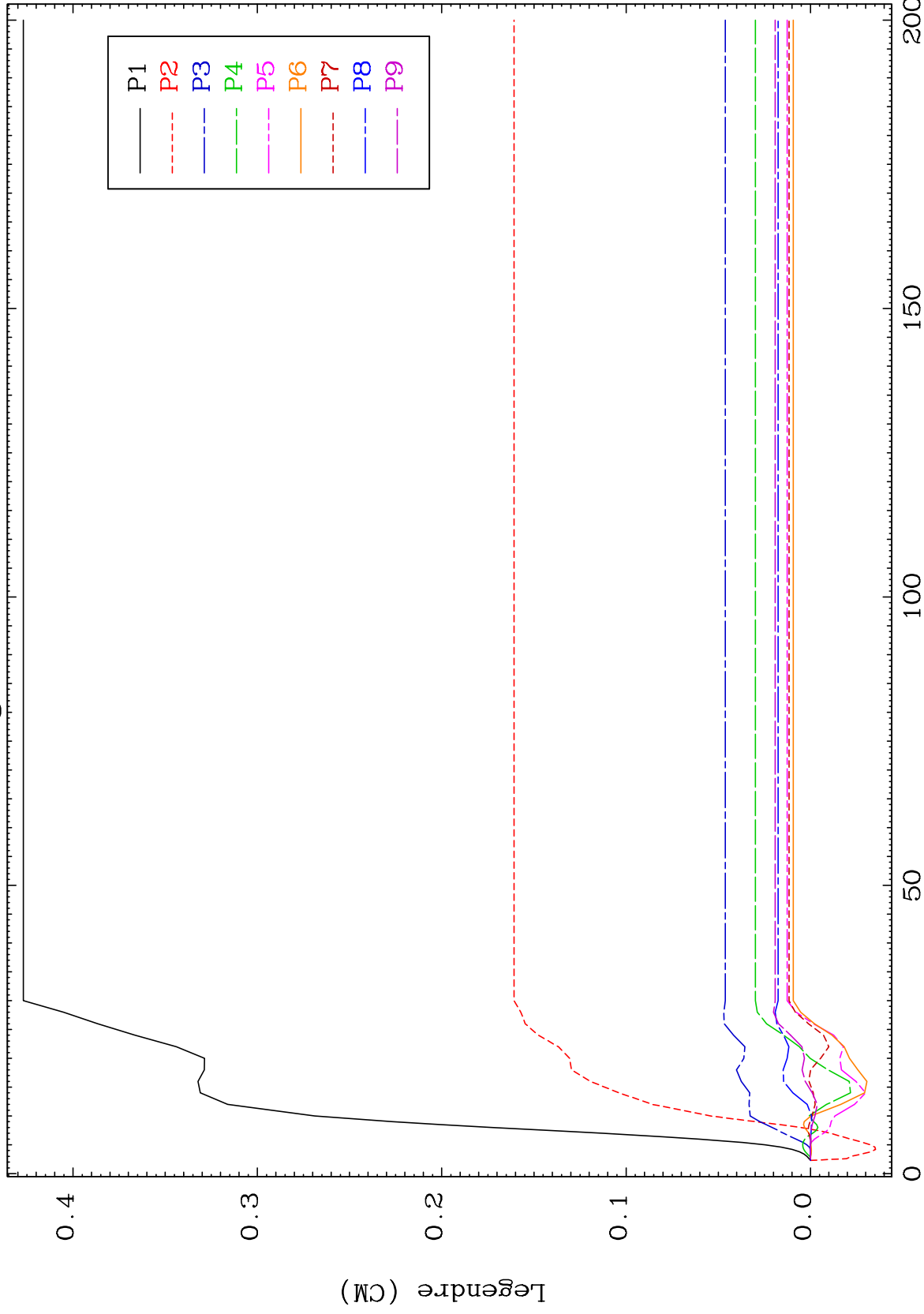
200

44-Ru-98

MAT 4431

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

44-Ru-98



61

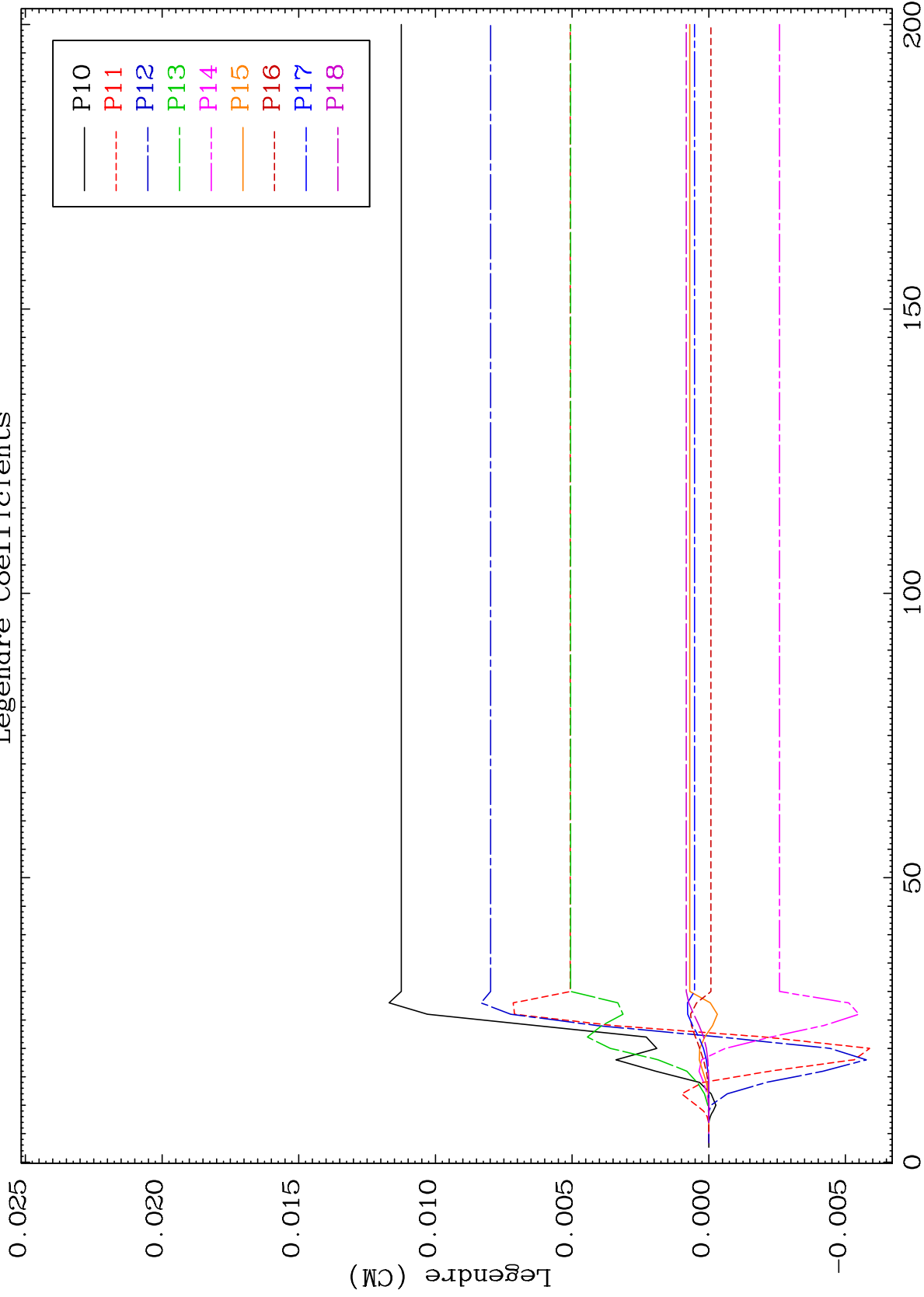
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



62

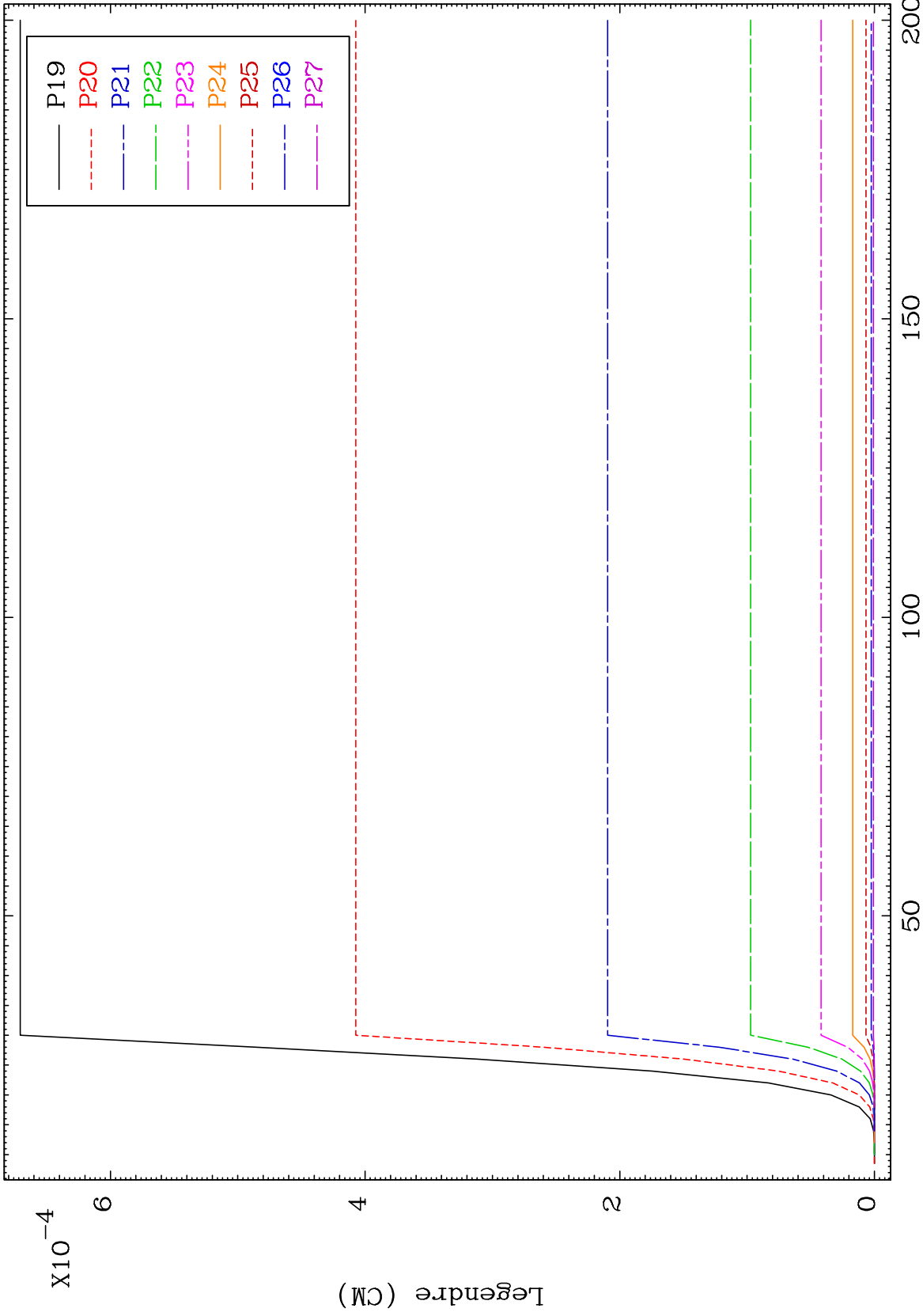
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



63

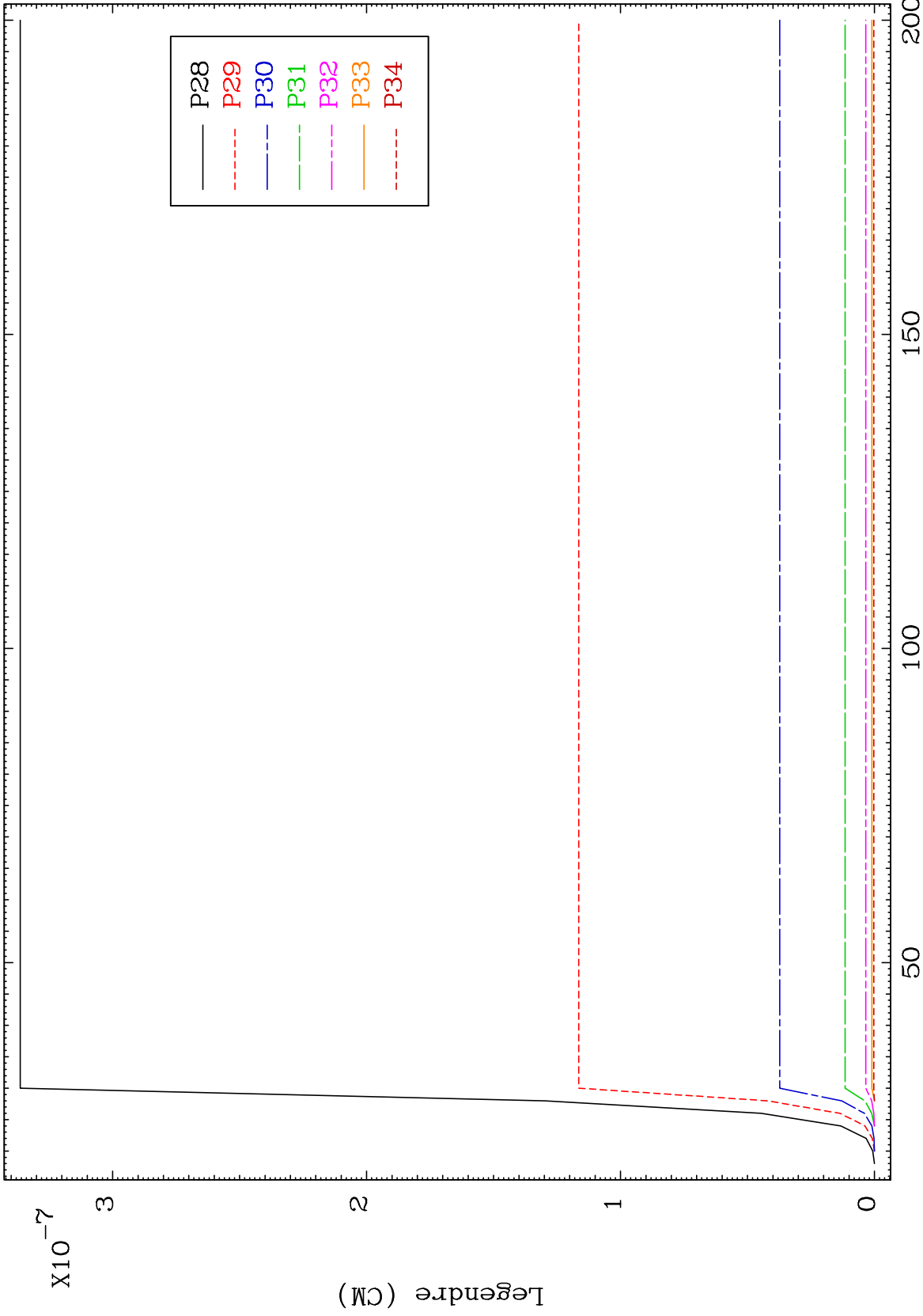
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



64

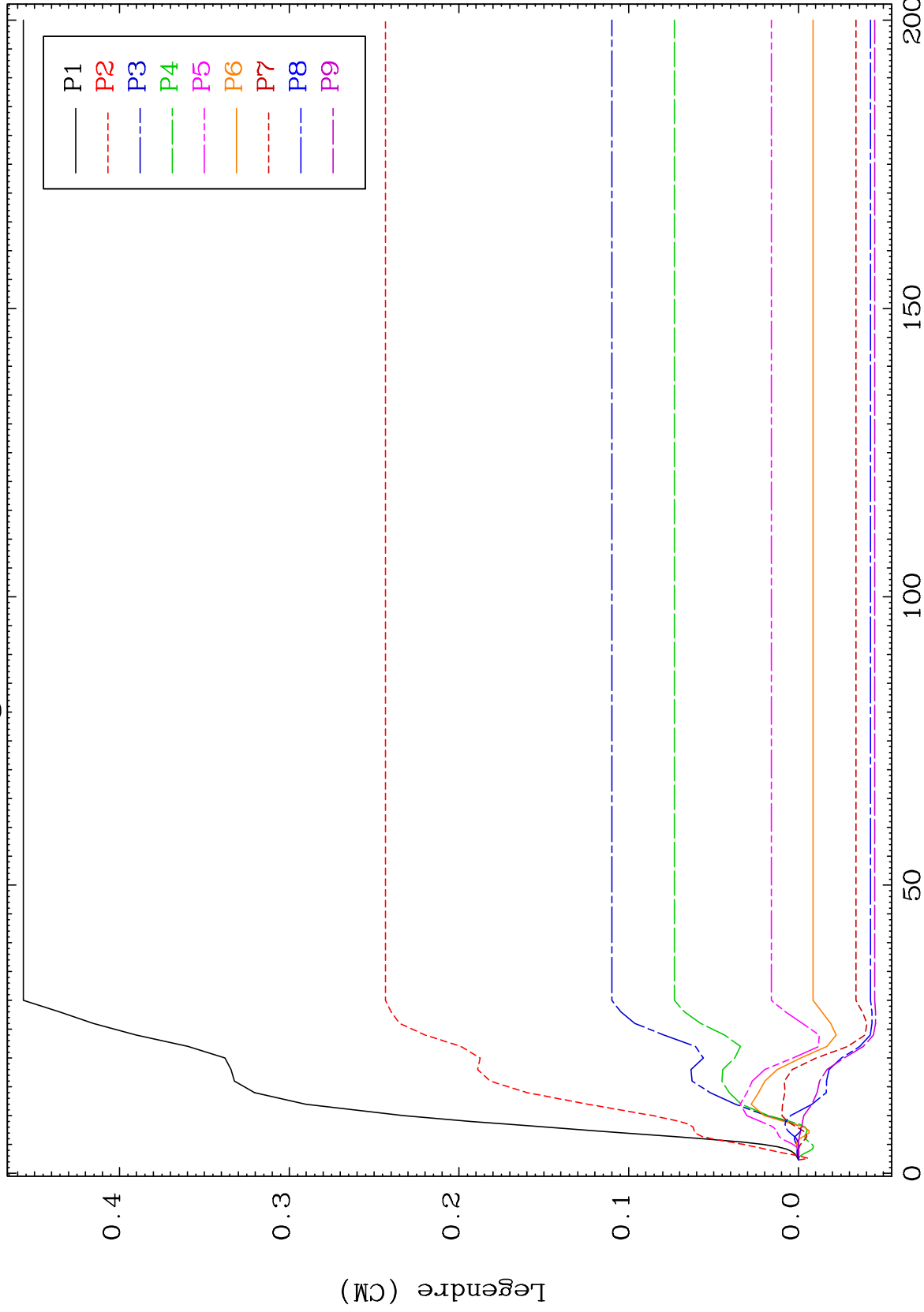
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



65

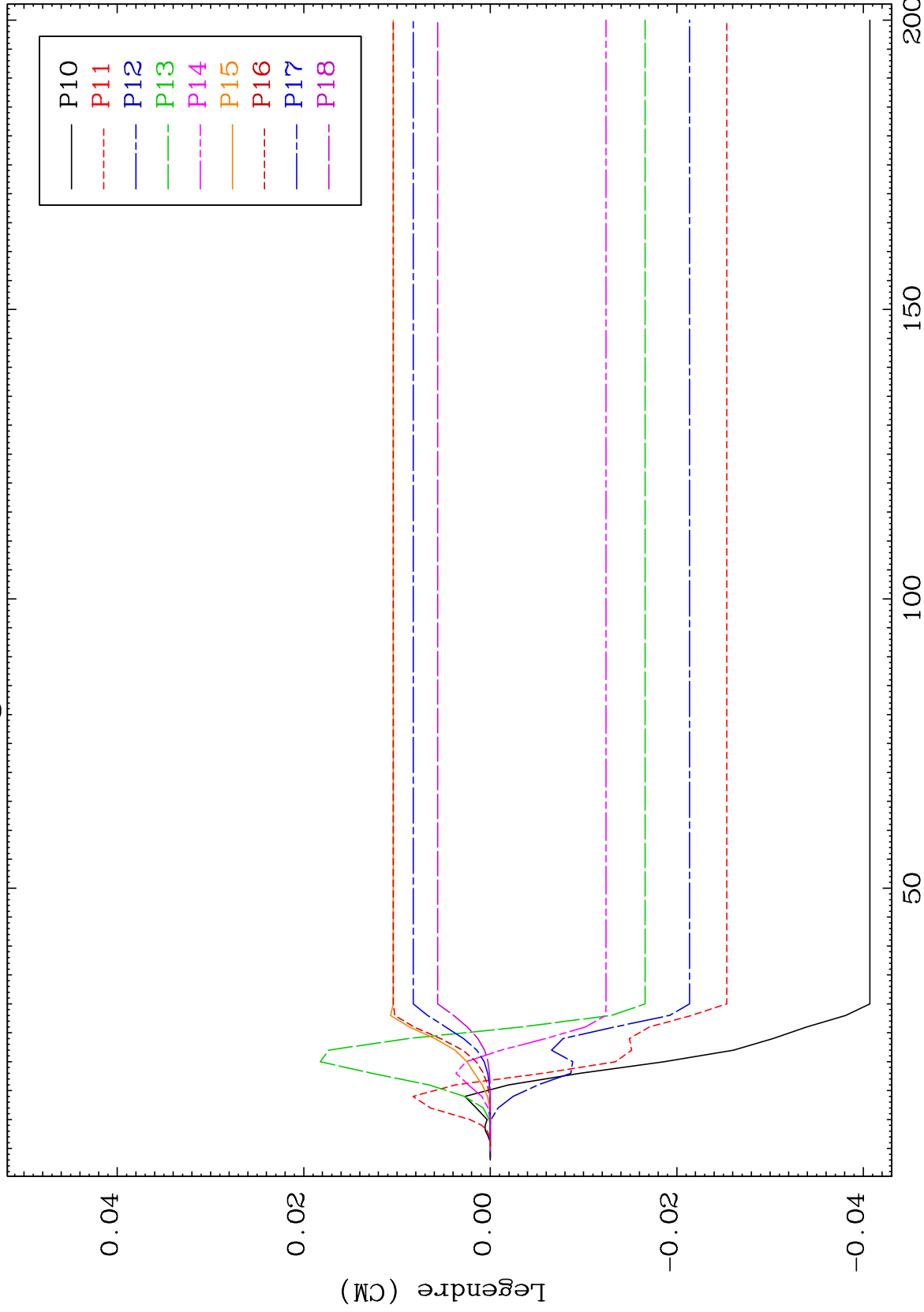
44-Ru-98

44-Ru-98

MAT 4431

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

44-Ru-98



66

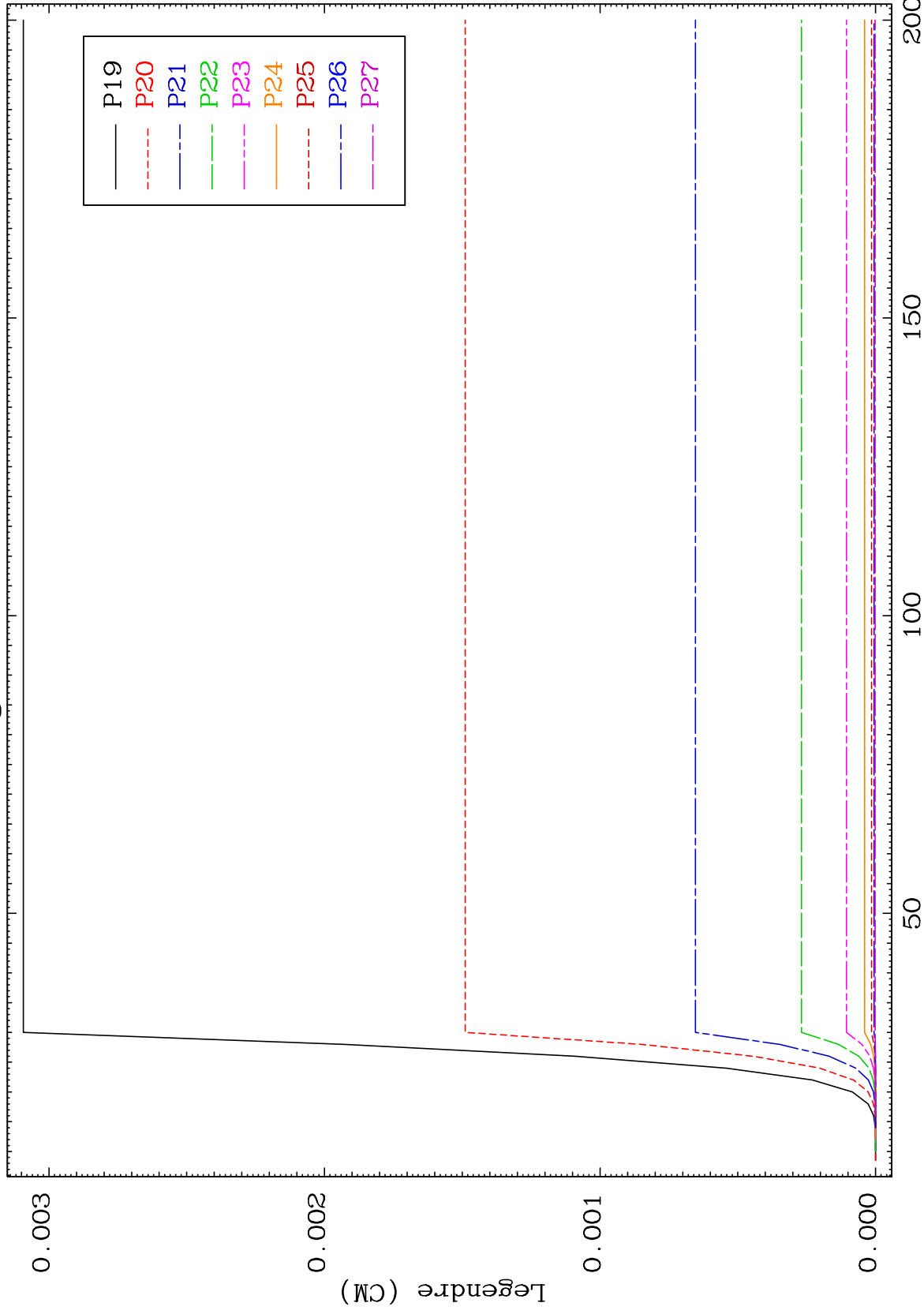
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



67

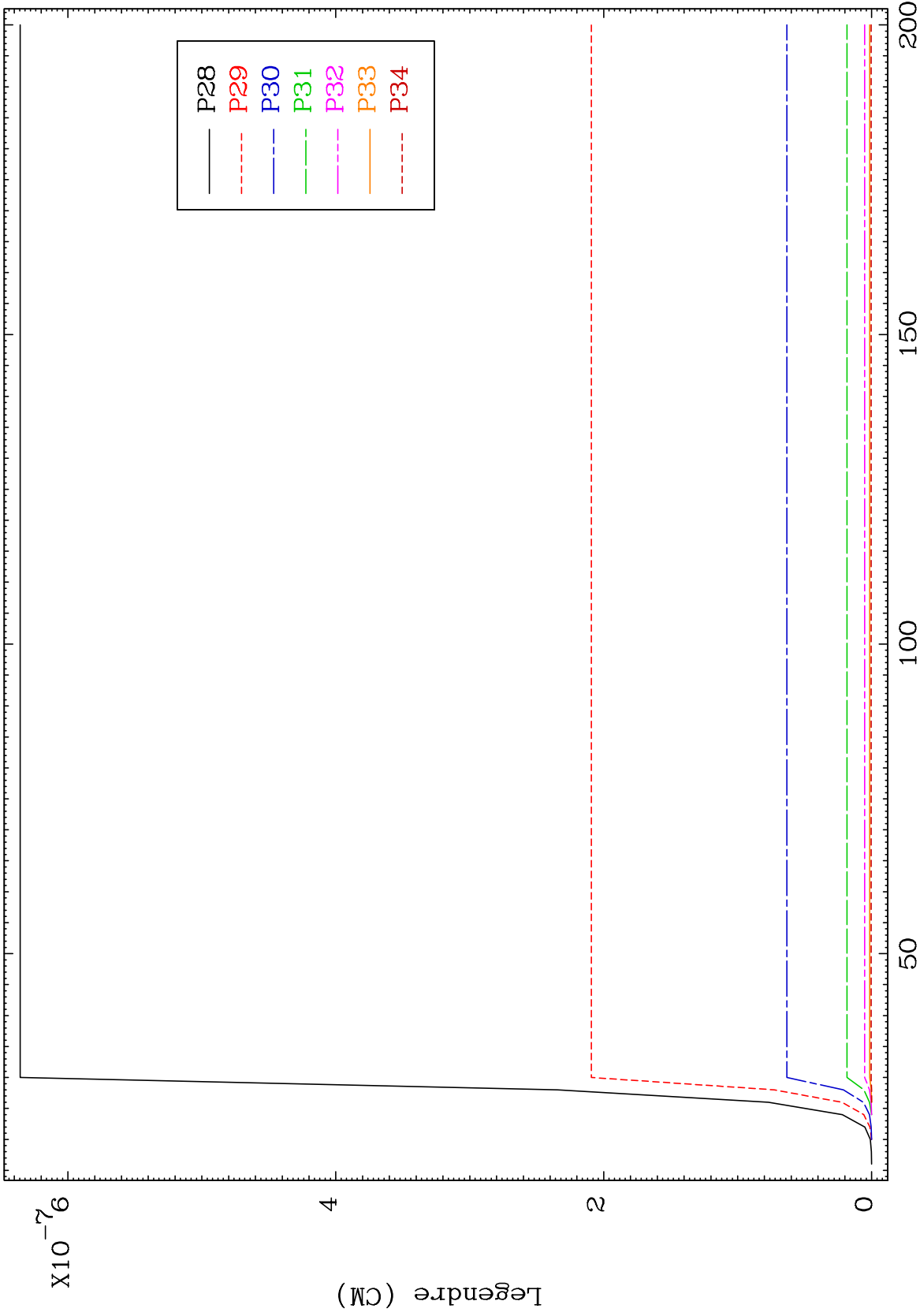
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



68

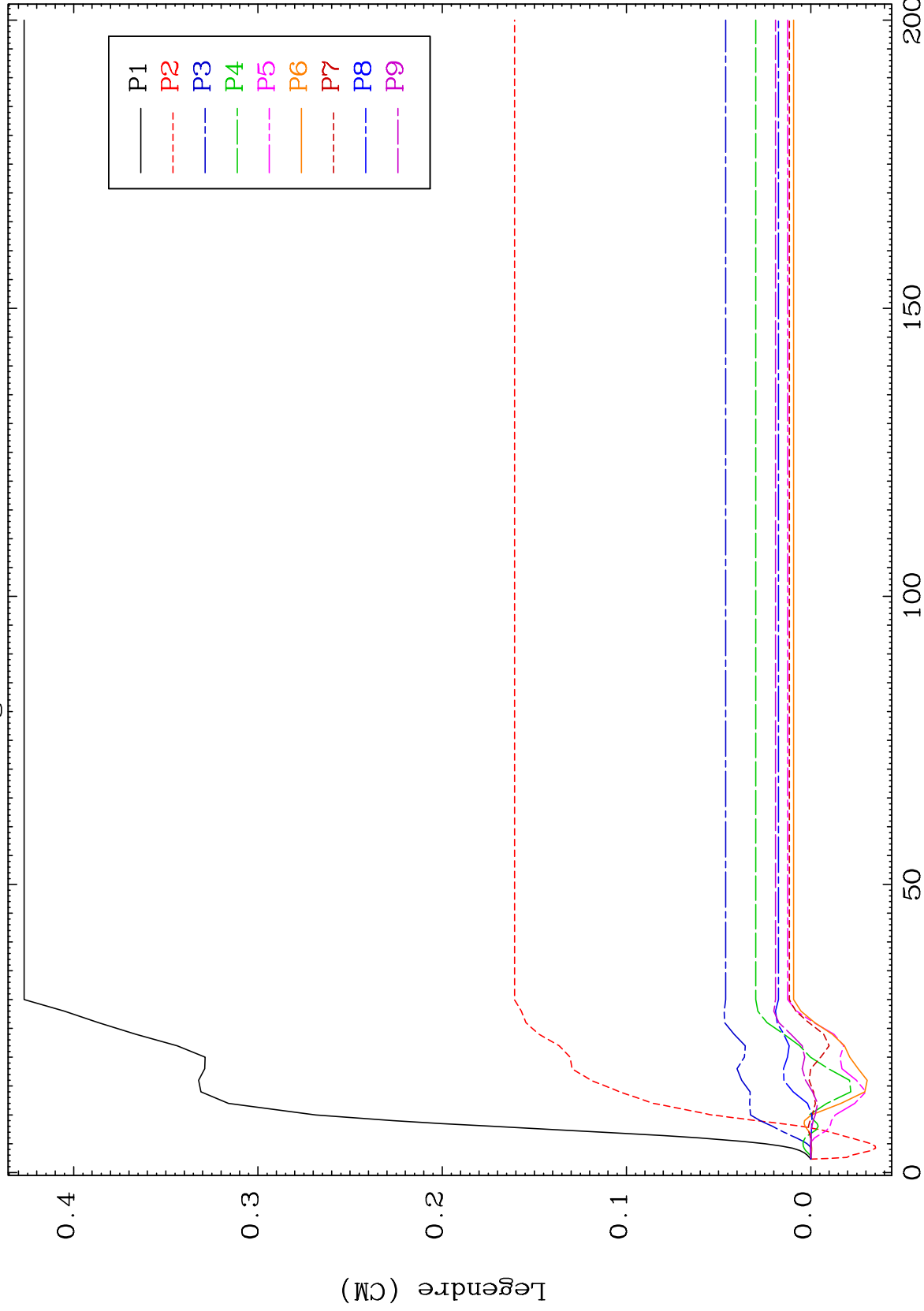
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



69

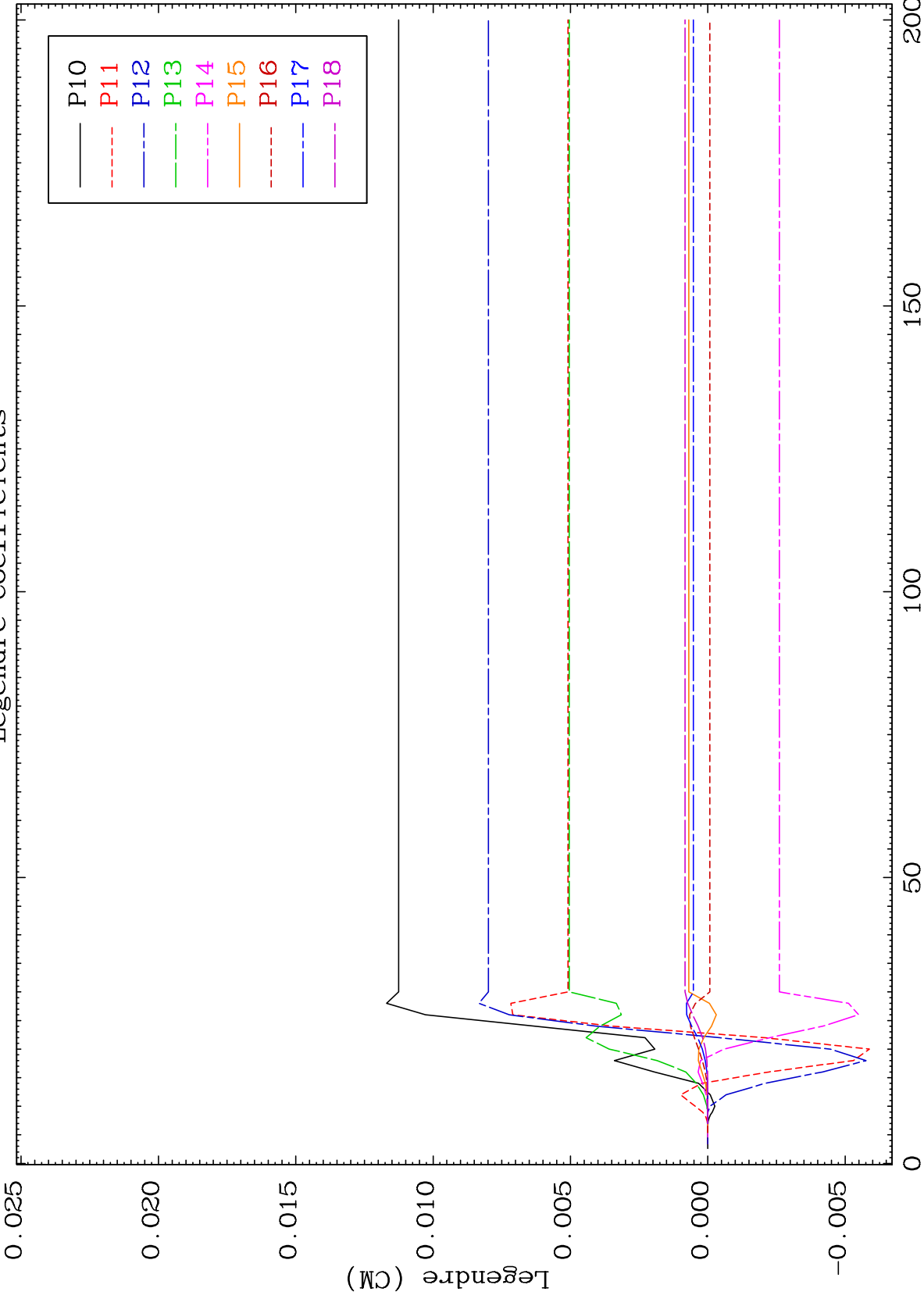
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



70

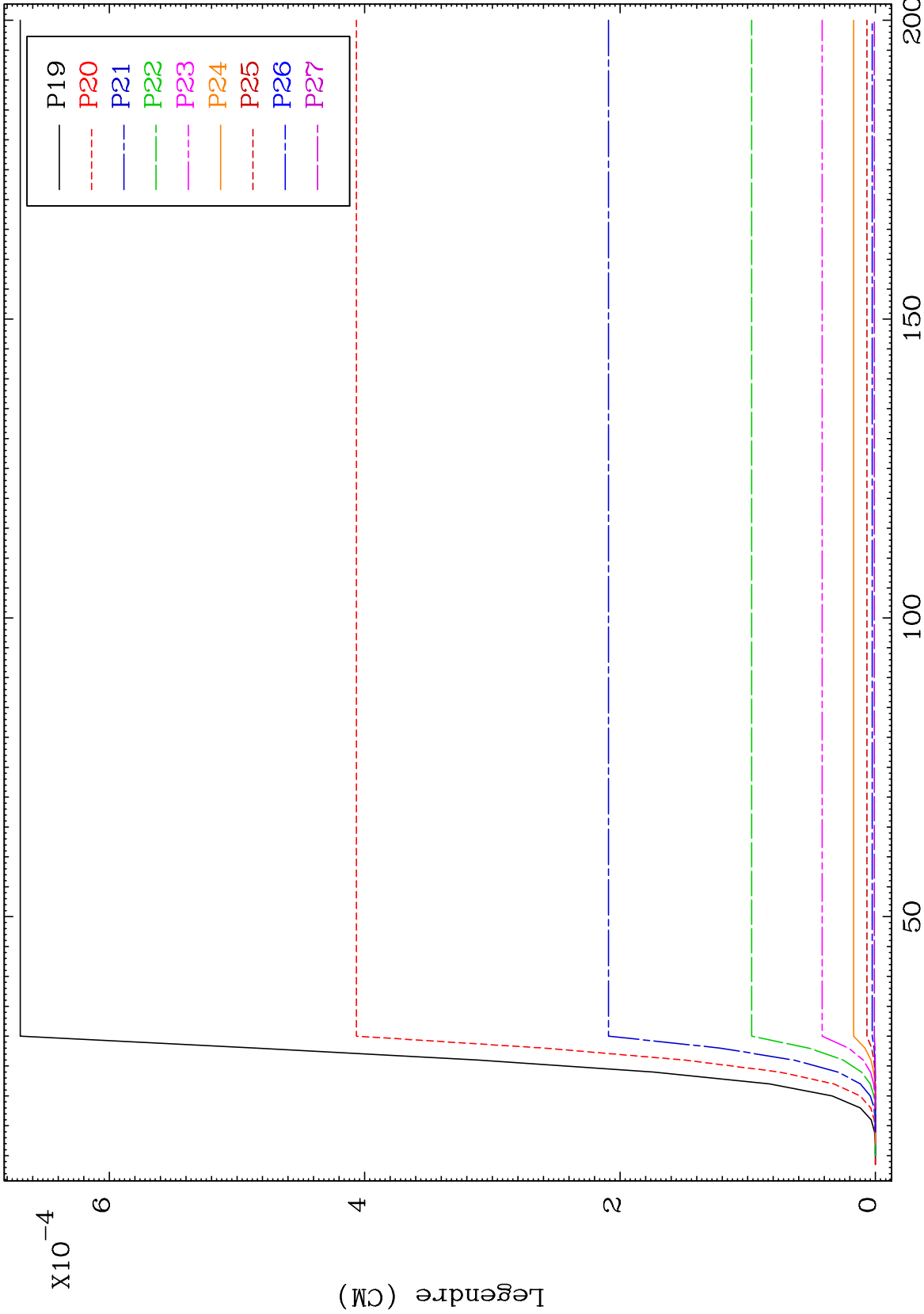
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98



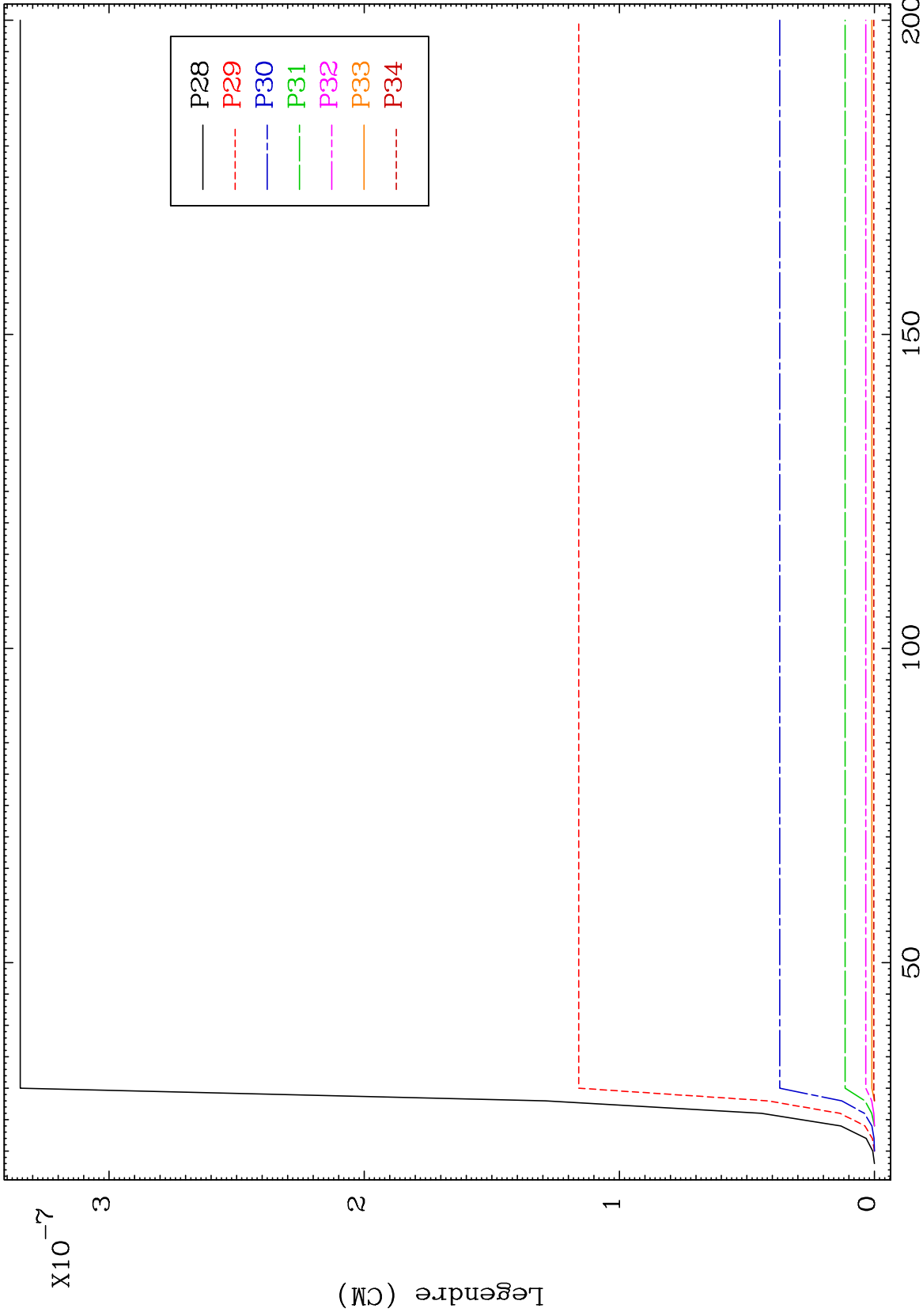
71

44-Ru-98

MAT 4431

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

44-Ru-98



72

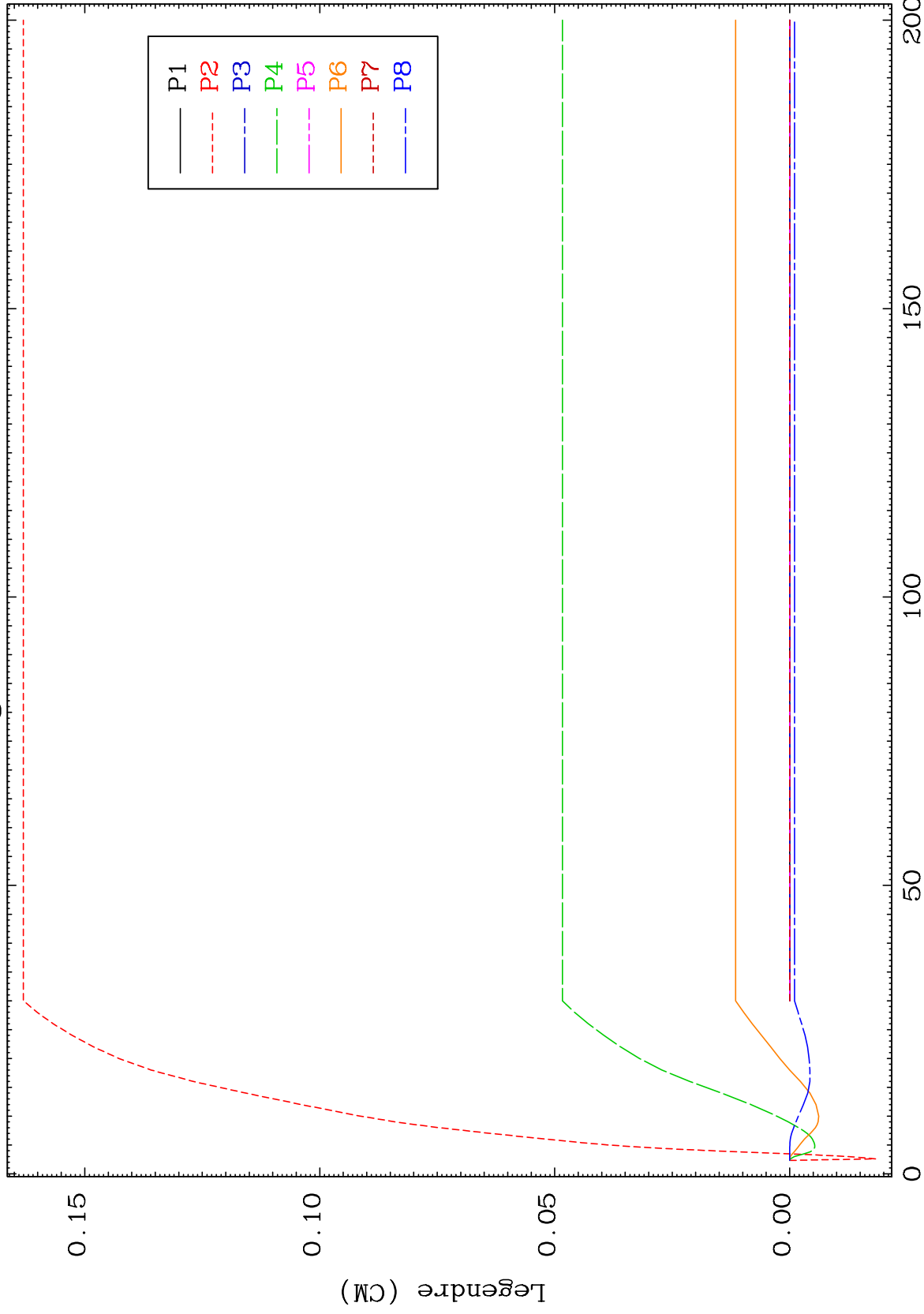
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

44-Ru-98

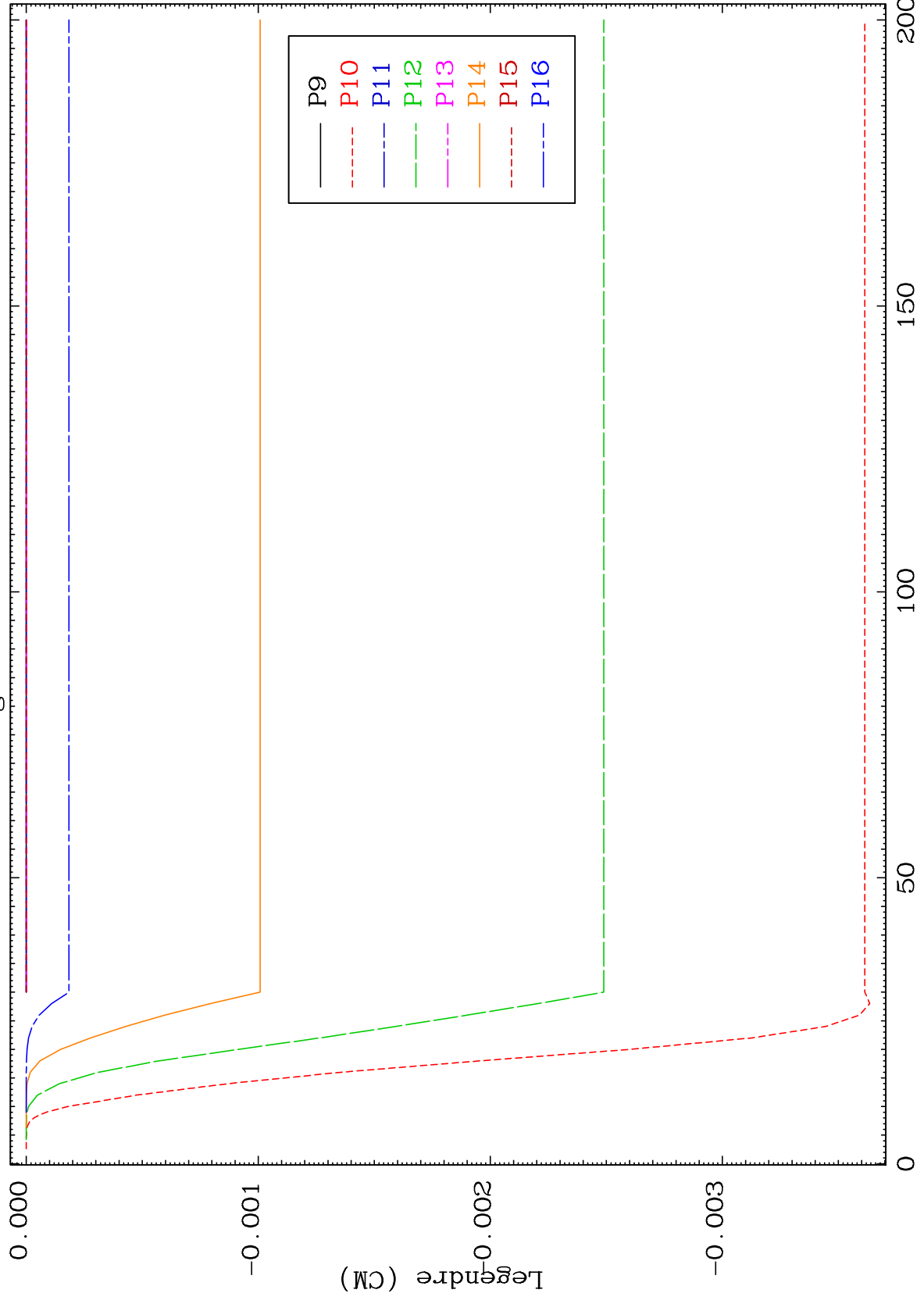


73

Incident Energy (MeV)

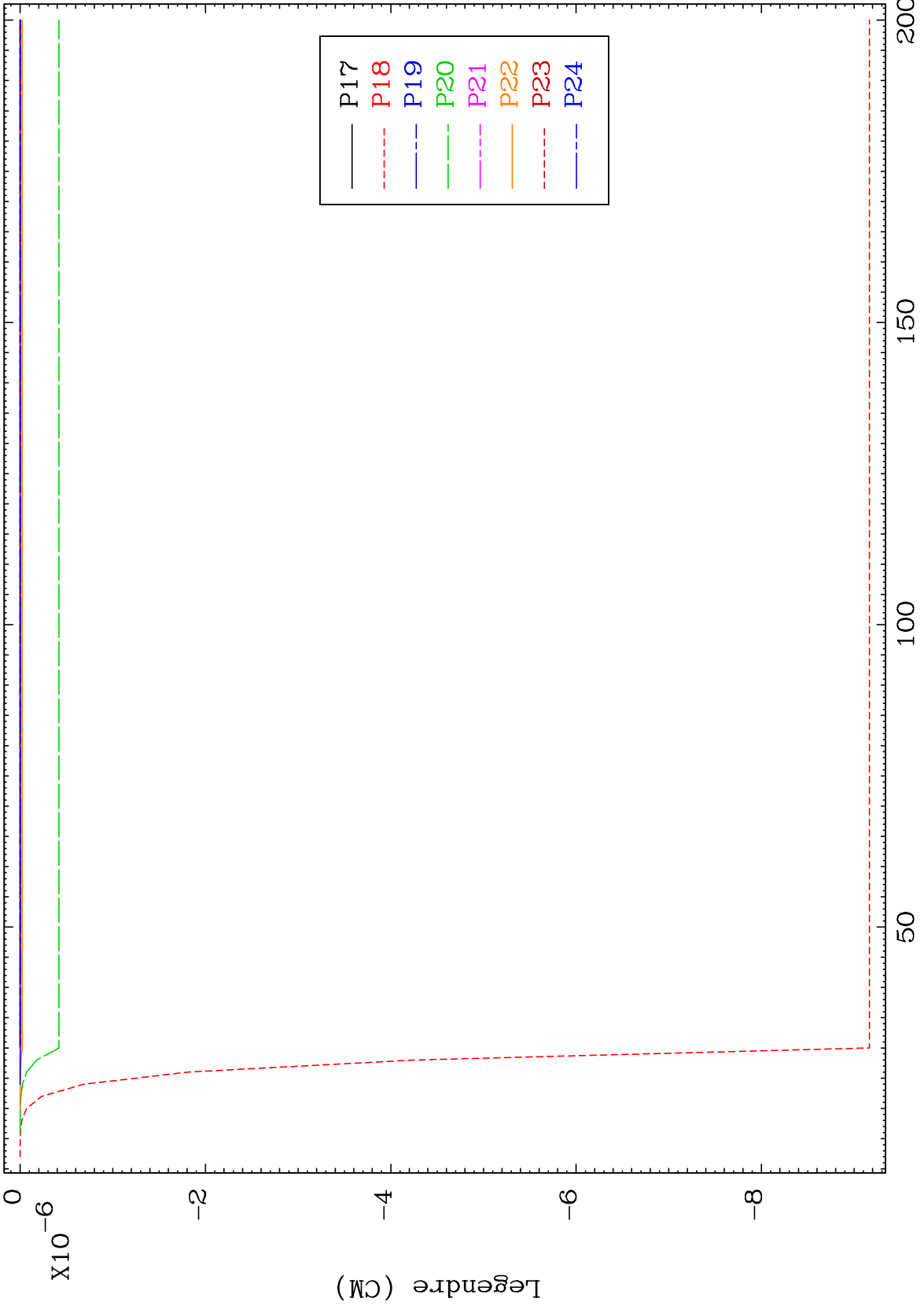
44-Ru-98

MAT 4431 MT= 65 (n,n') Level Legendre Coefficients 44-Ru-98



74 44-Ru-98

MAT 4431 MT= 65 (n,n') Level Legendre Coefficients 44-Ru-98

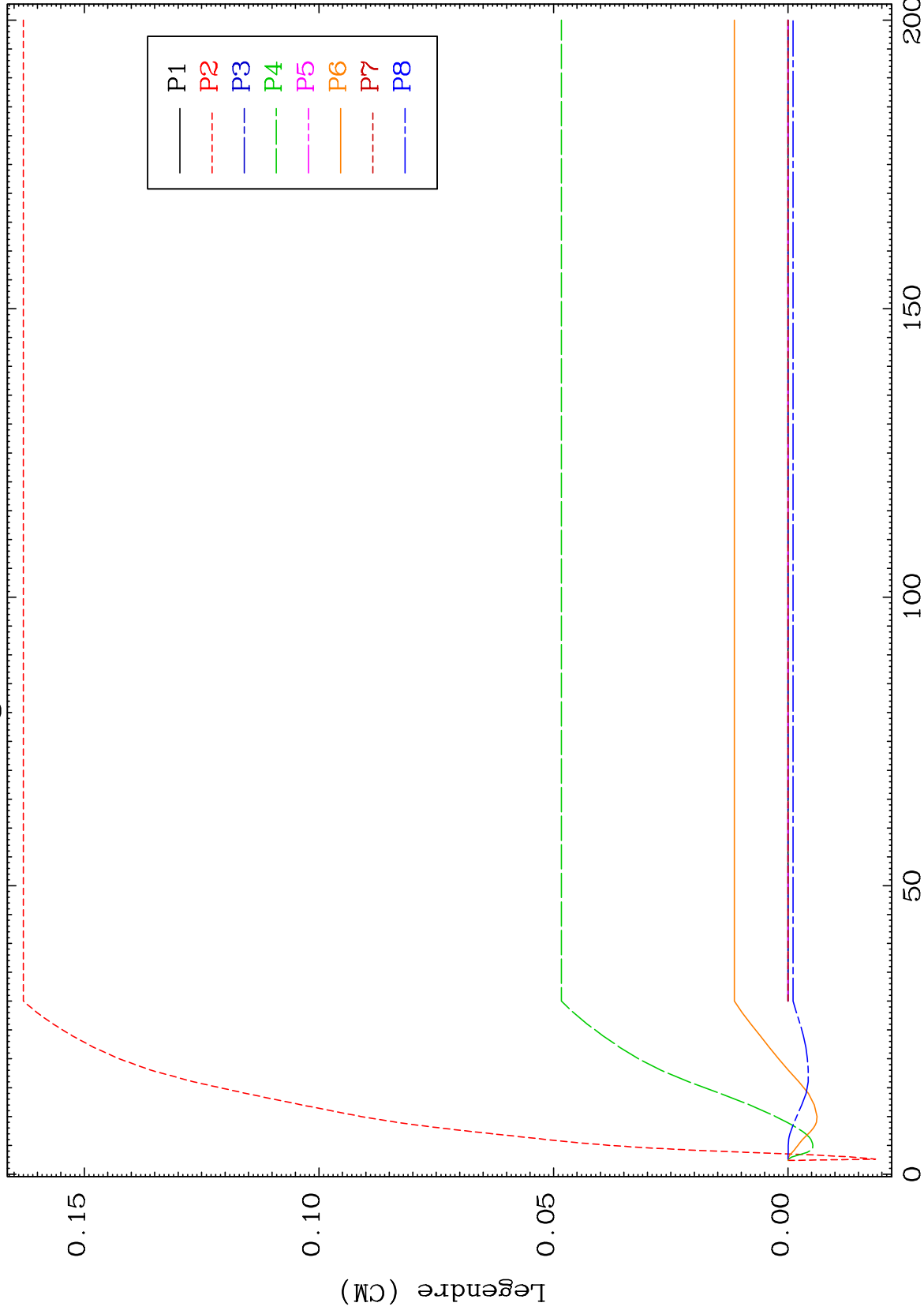


75 Incident Energy (MeV) 44-Ru-98

MAT 4431

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

44-Ru-98



76

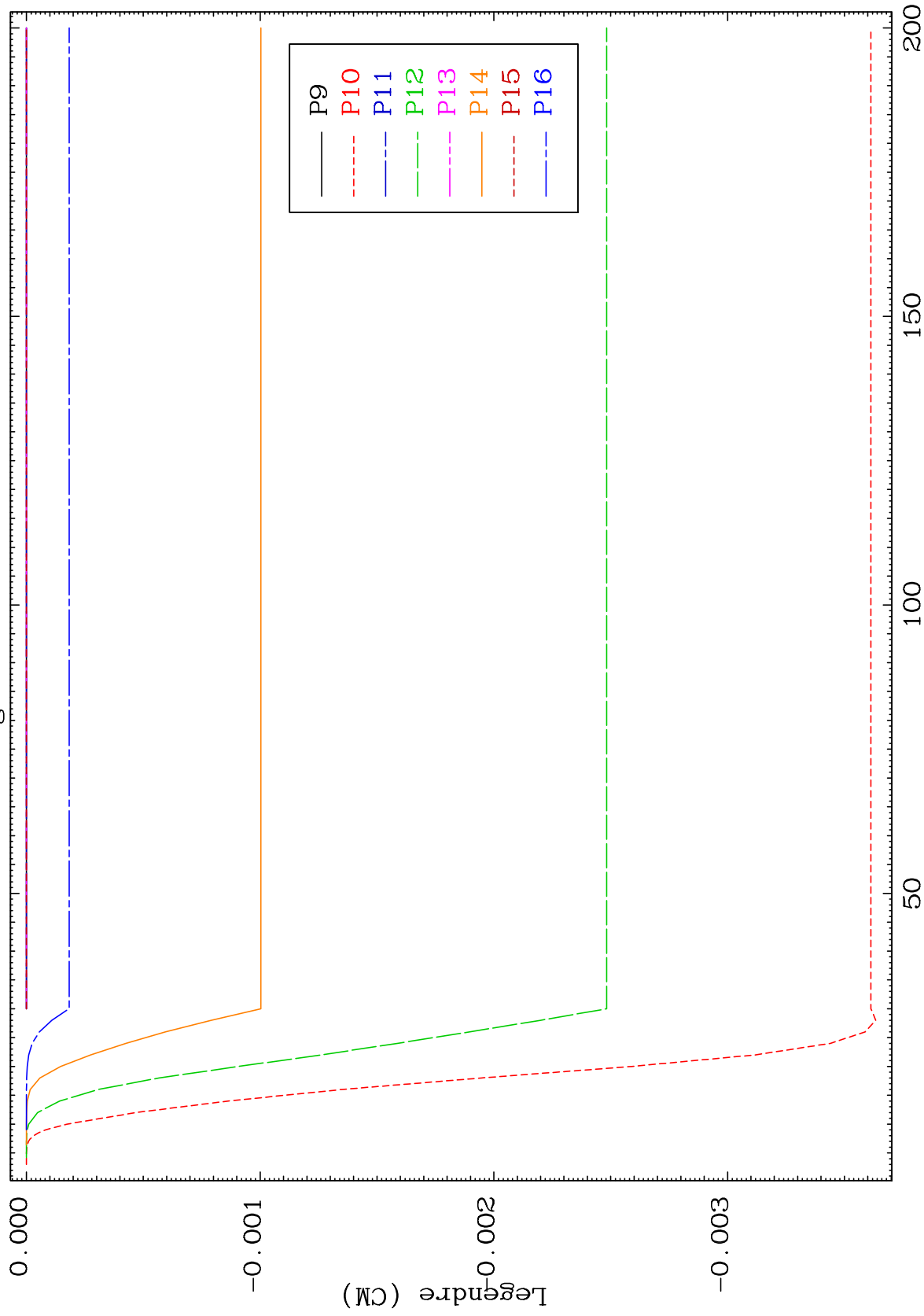
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

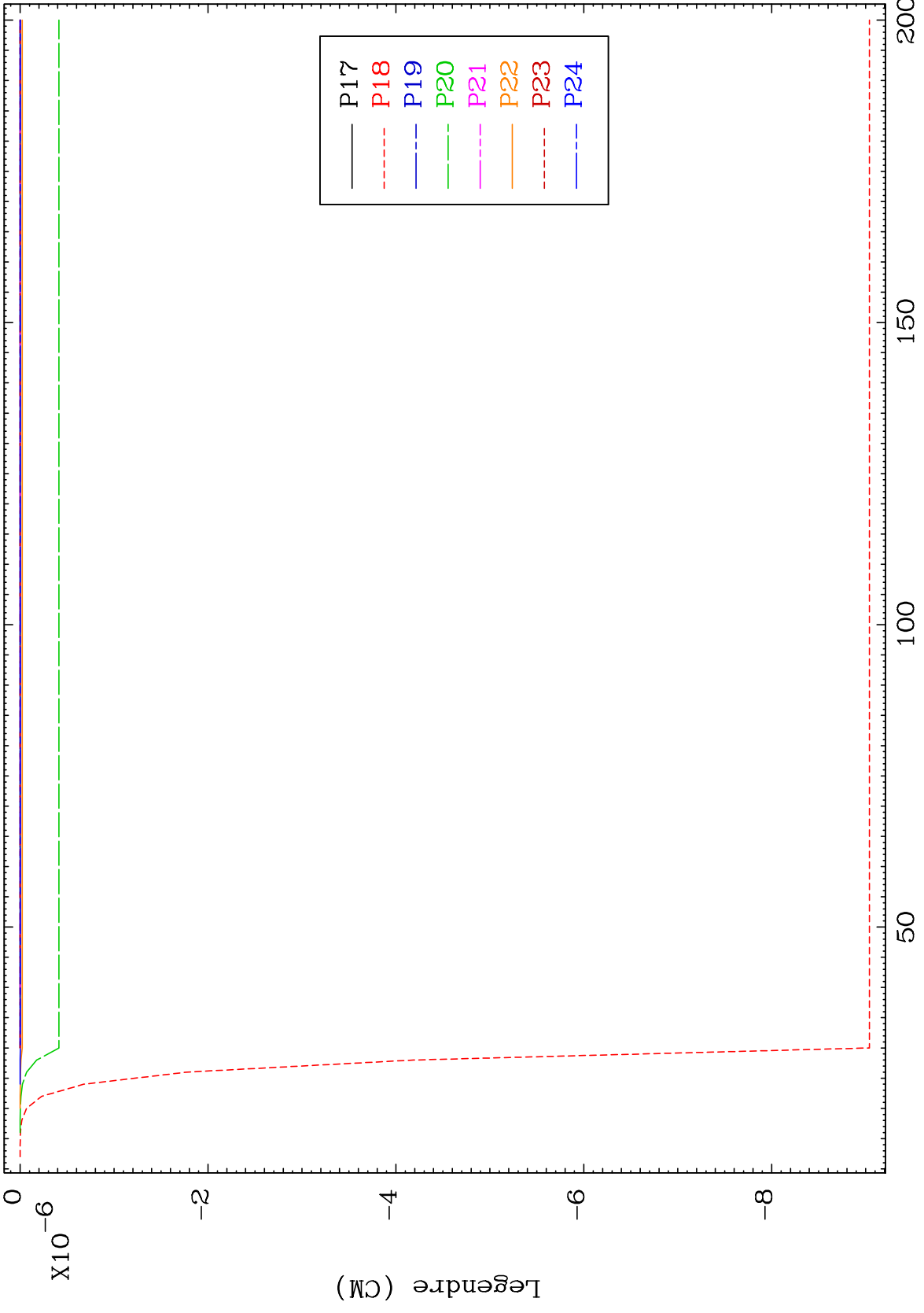
44-Ru-98



77

44-Ru-98

MAT 4431 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-98



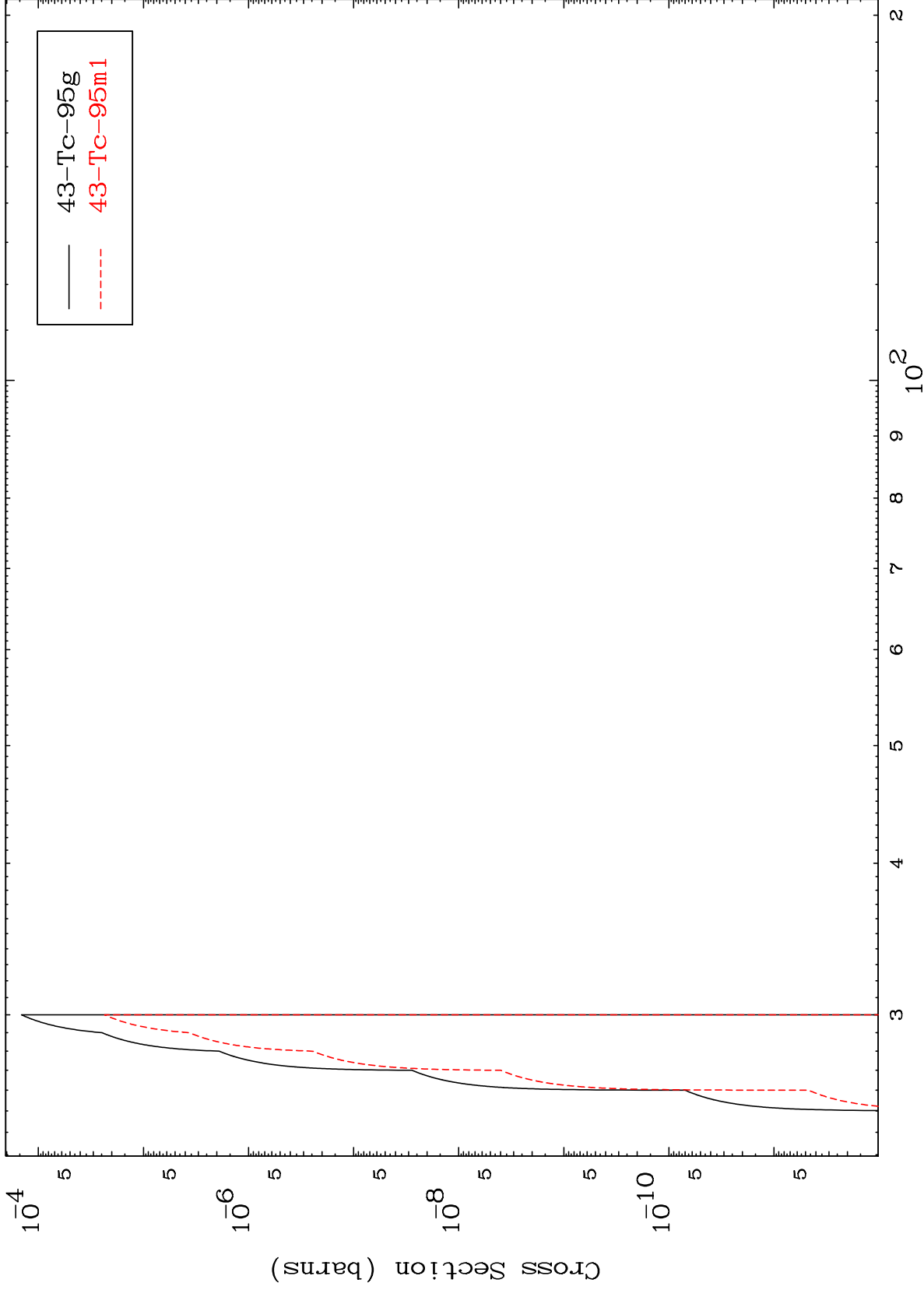
78 44-Ru-98

MAT 4431

(n,2n) d

44-Ru-98

Radionuclide Production Cross Section



79

Incident Energy (MeV)

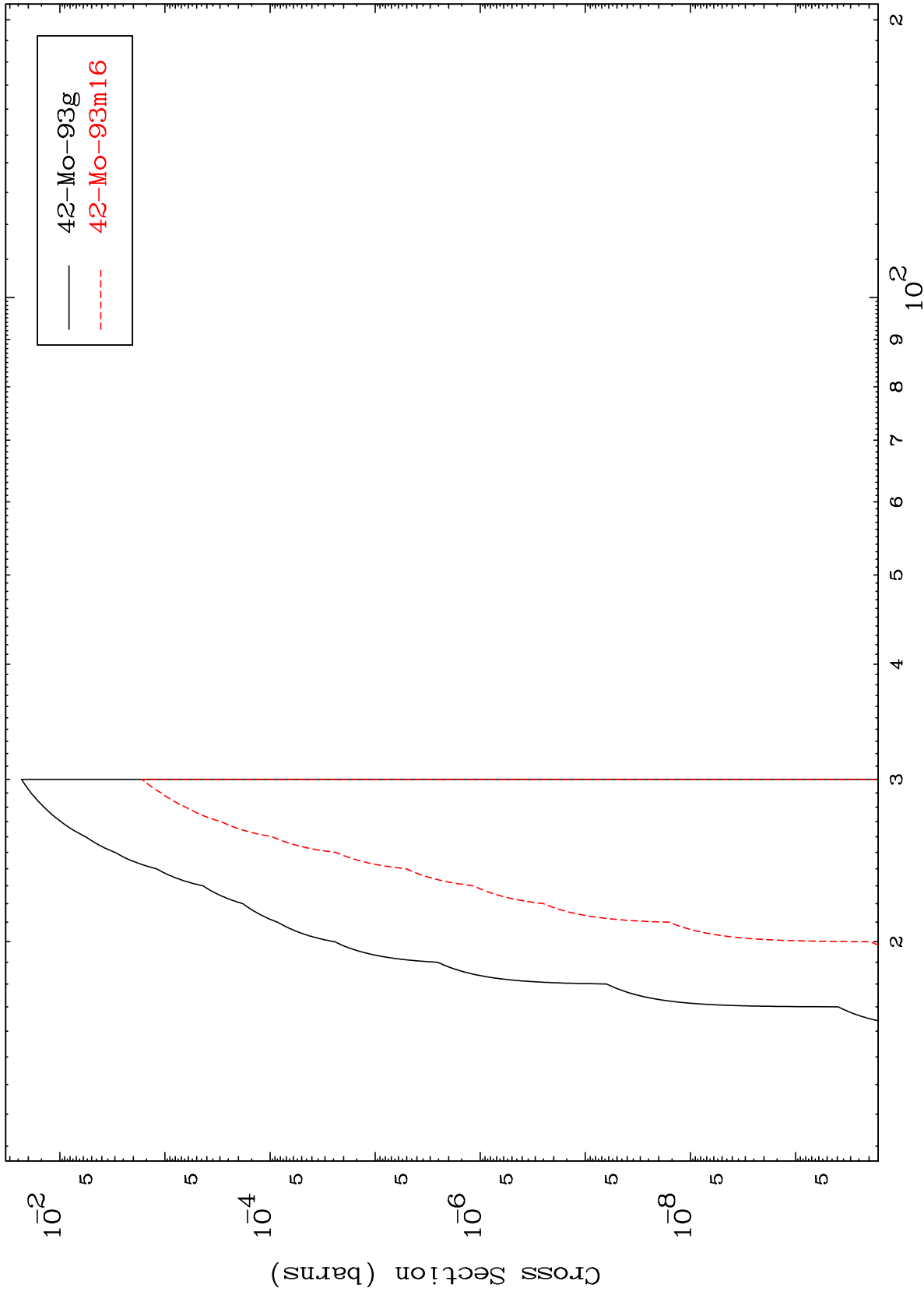
44-Ru-98

MAT 4431

(n,2n) α

44-Ru-98

Radionuclide Production Cross Section



80

Incident Energy (MeV)

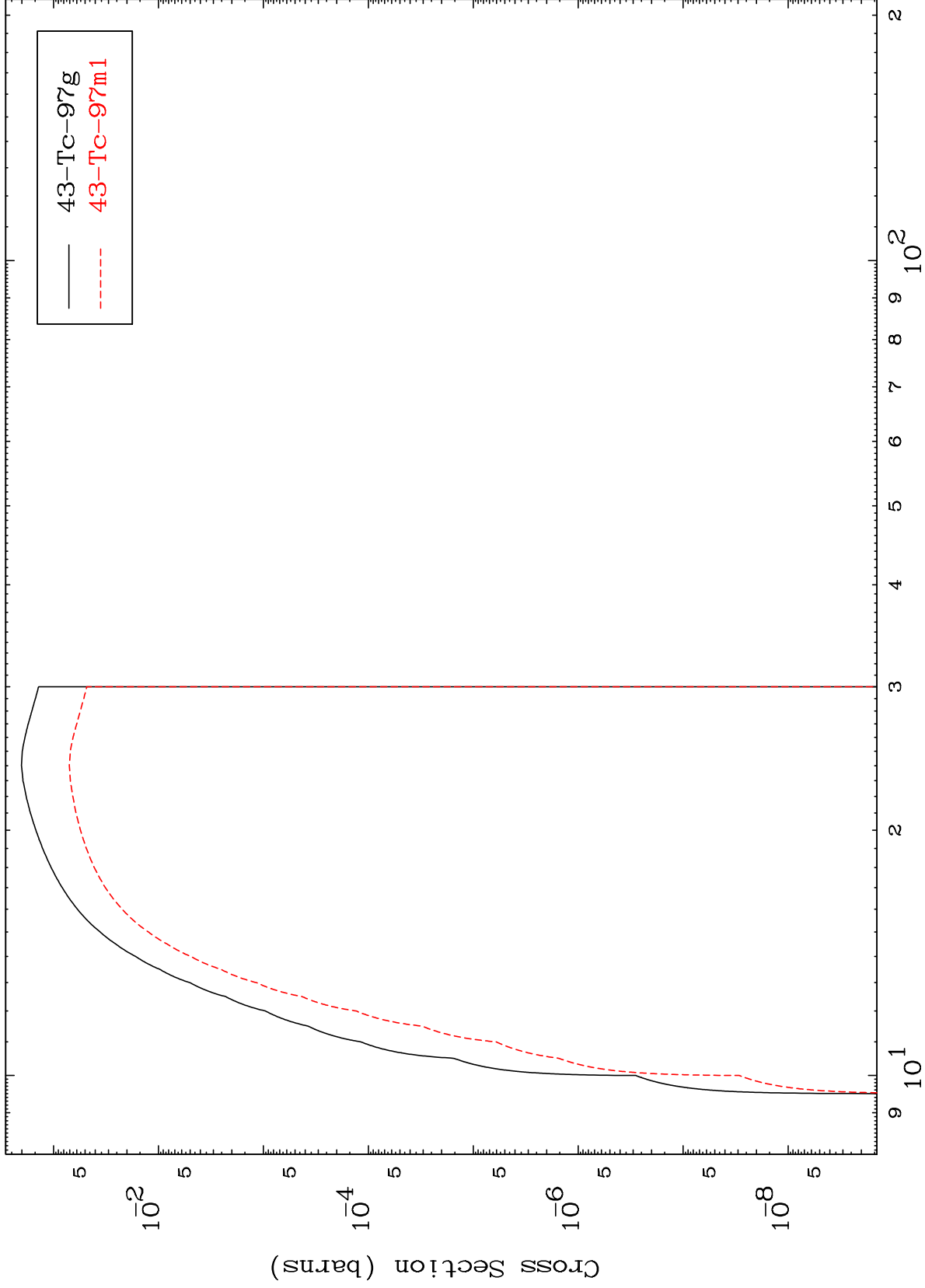
44-Ru-98

MAT 4431

(n,n') p

44-Ru-98

Radionuclide Production Cross Section



81

Incident Energy (MeV)

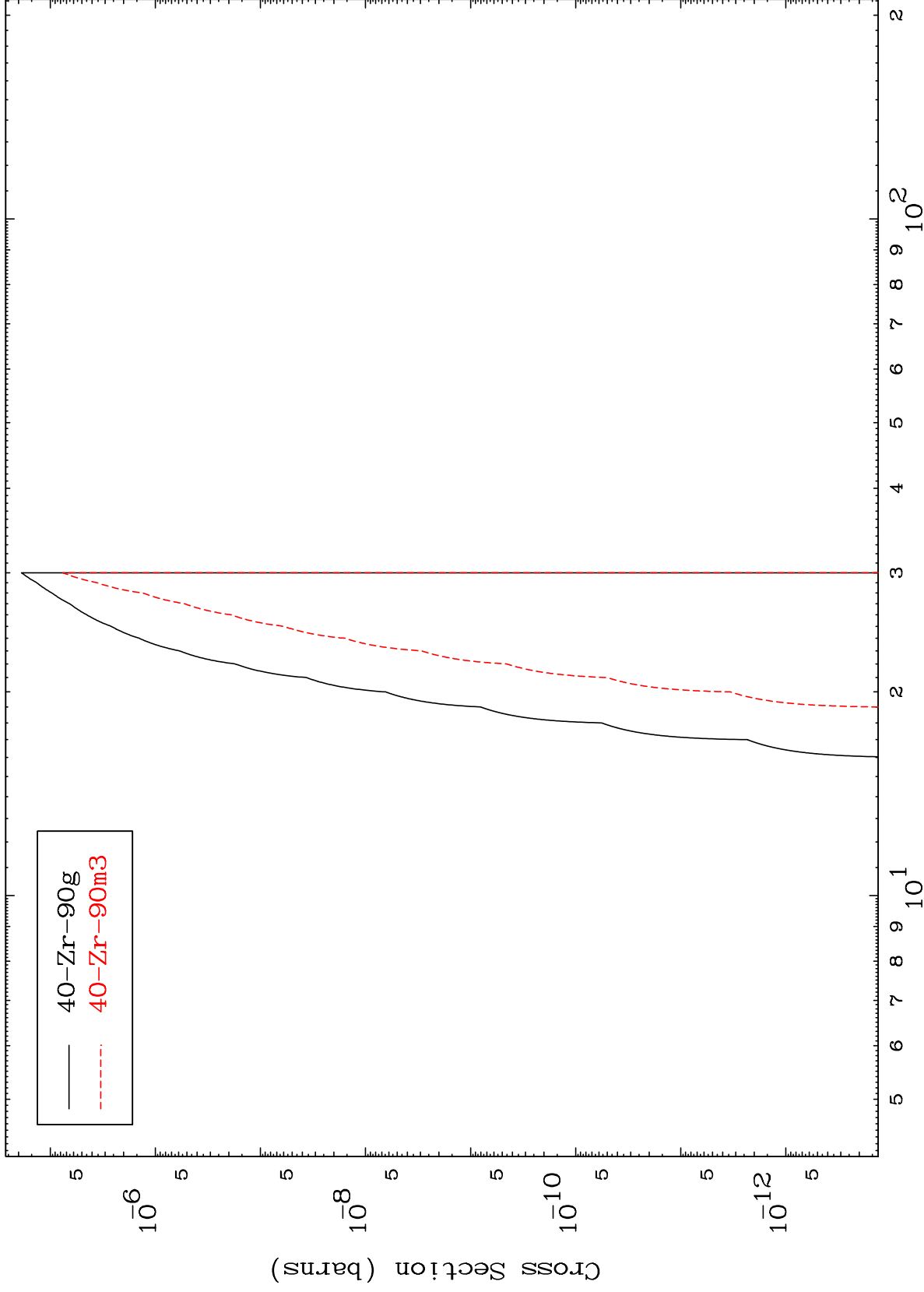
44-Ru-98

MAT 4431

(n,n') 2 α

44-Ru-98

Radionuclide Production Cross Section



82

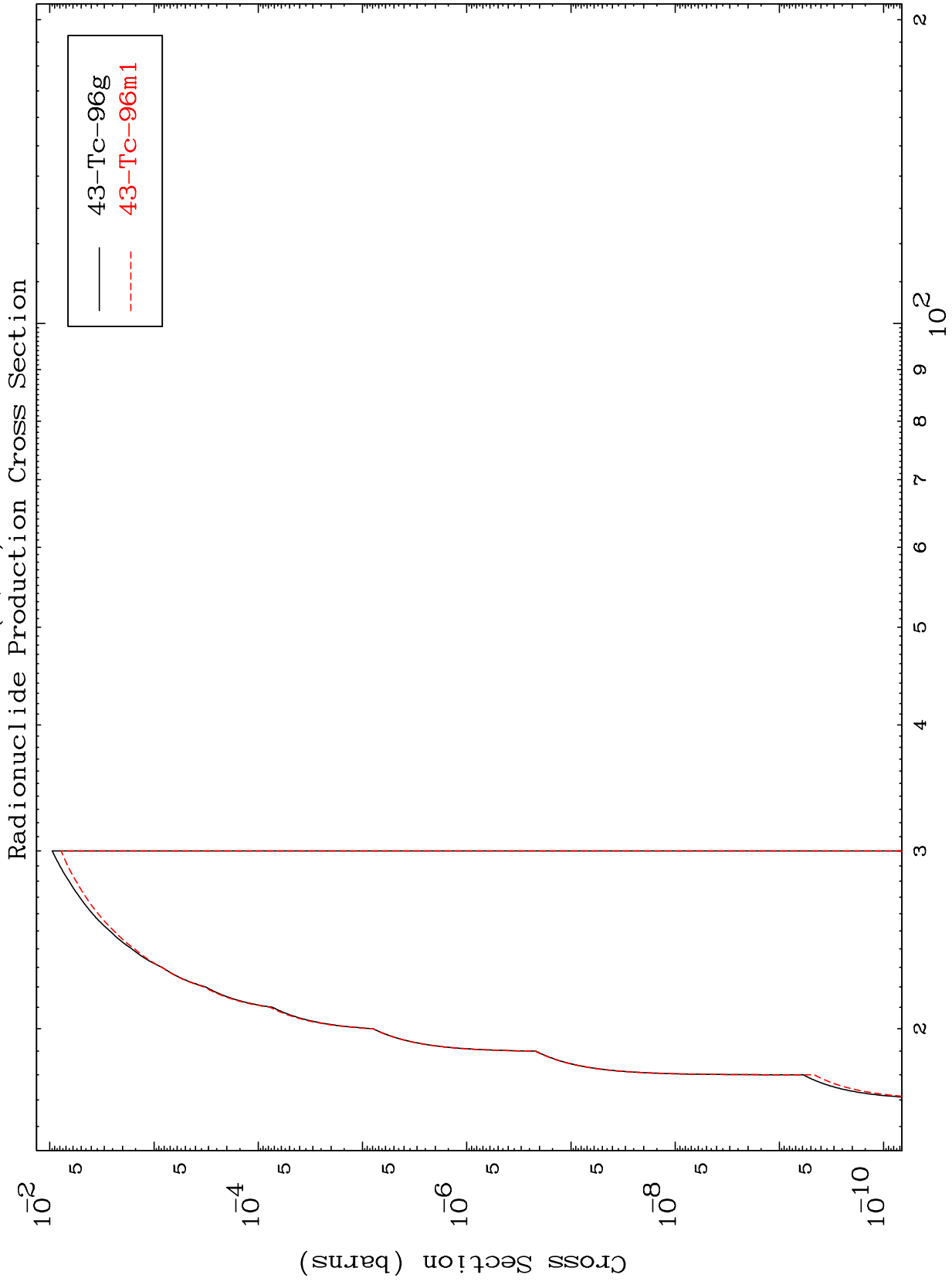
Incident Energy (MeV)

44-Ru-98

MAT 4431

(n,n') d

44-Ru-98



83

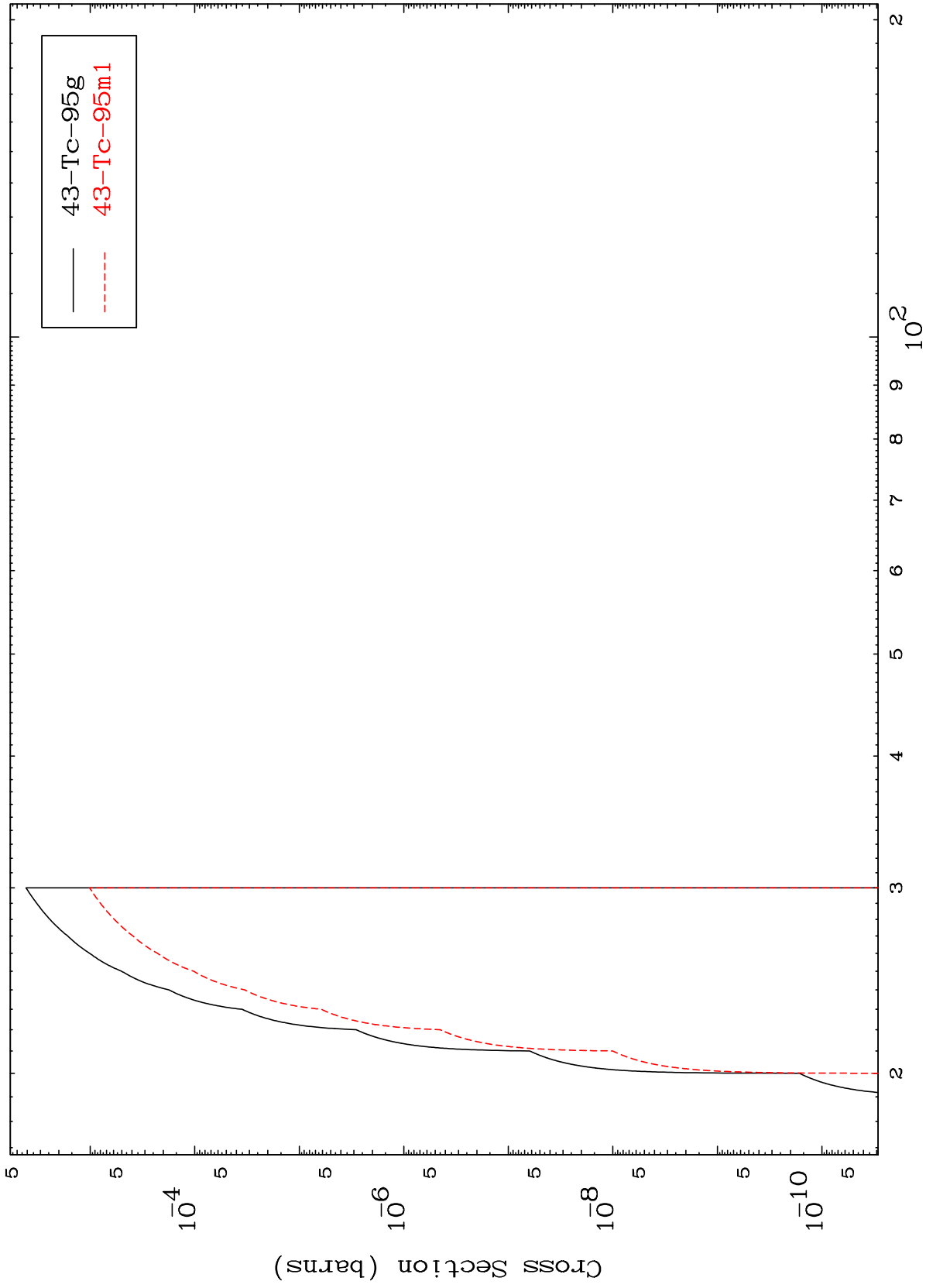
44-Ru-98

MAT 4431

(n,n') t

44-Ru-98

Radionuclide Production Cross Section



84

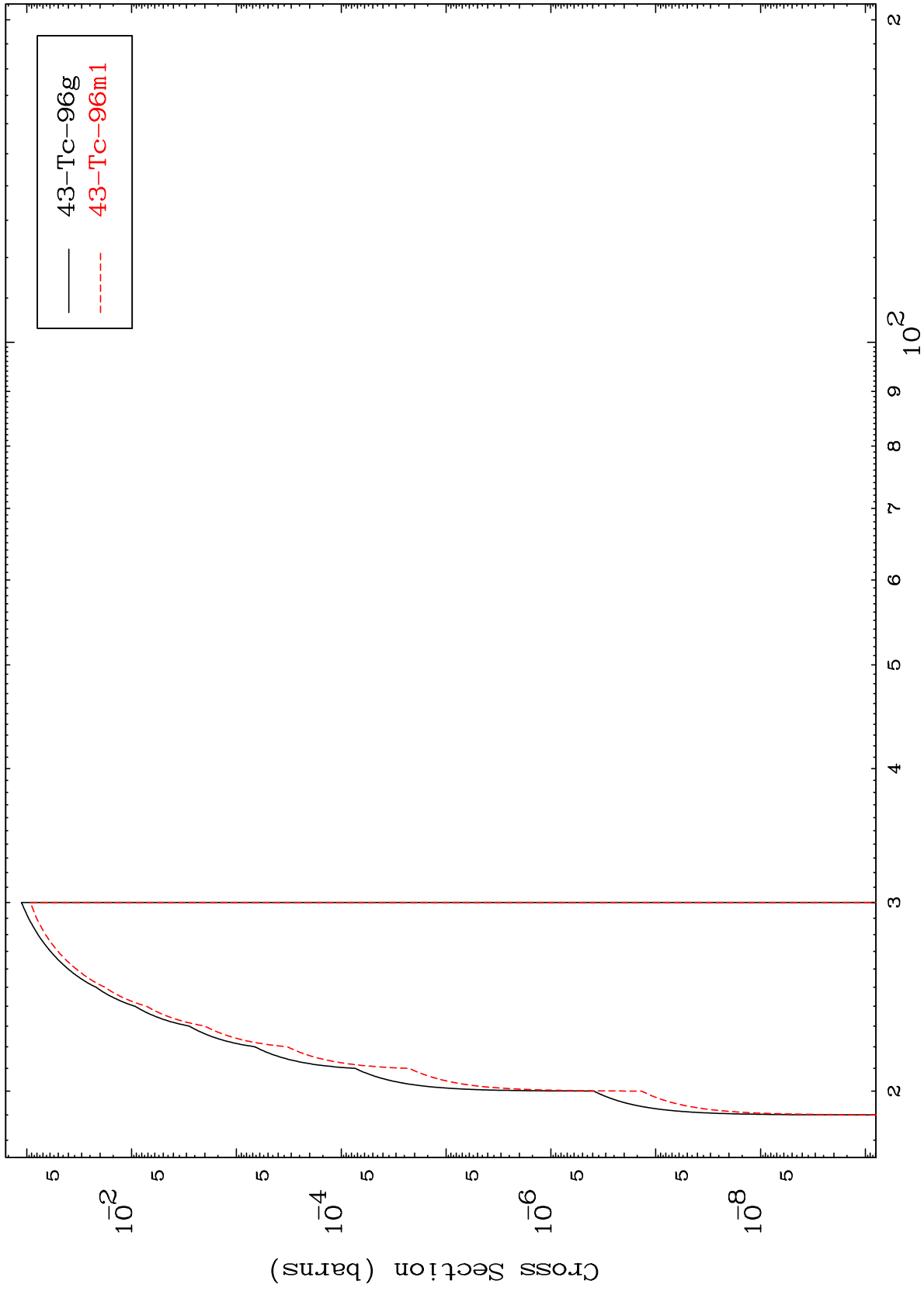
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

(n,2n) p
Radionuclide Production Cross Section



85

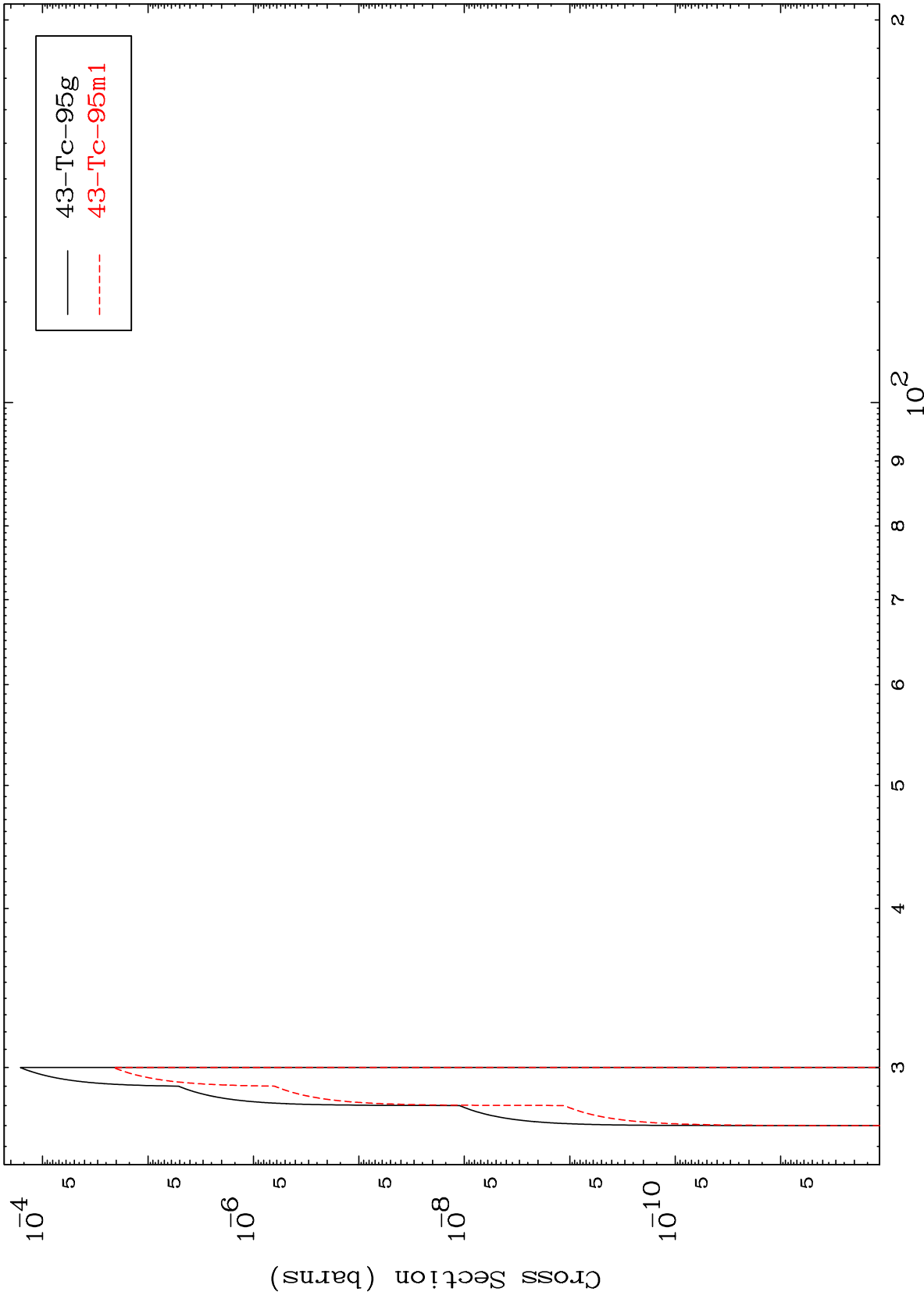
44-Ru-98

MAT 4431

(n,3n) p

44-Ru-98

Radionuclide Production Cross Section



86

Incident Energy (MeV)

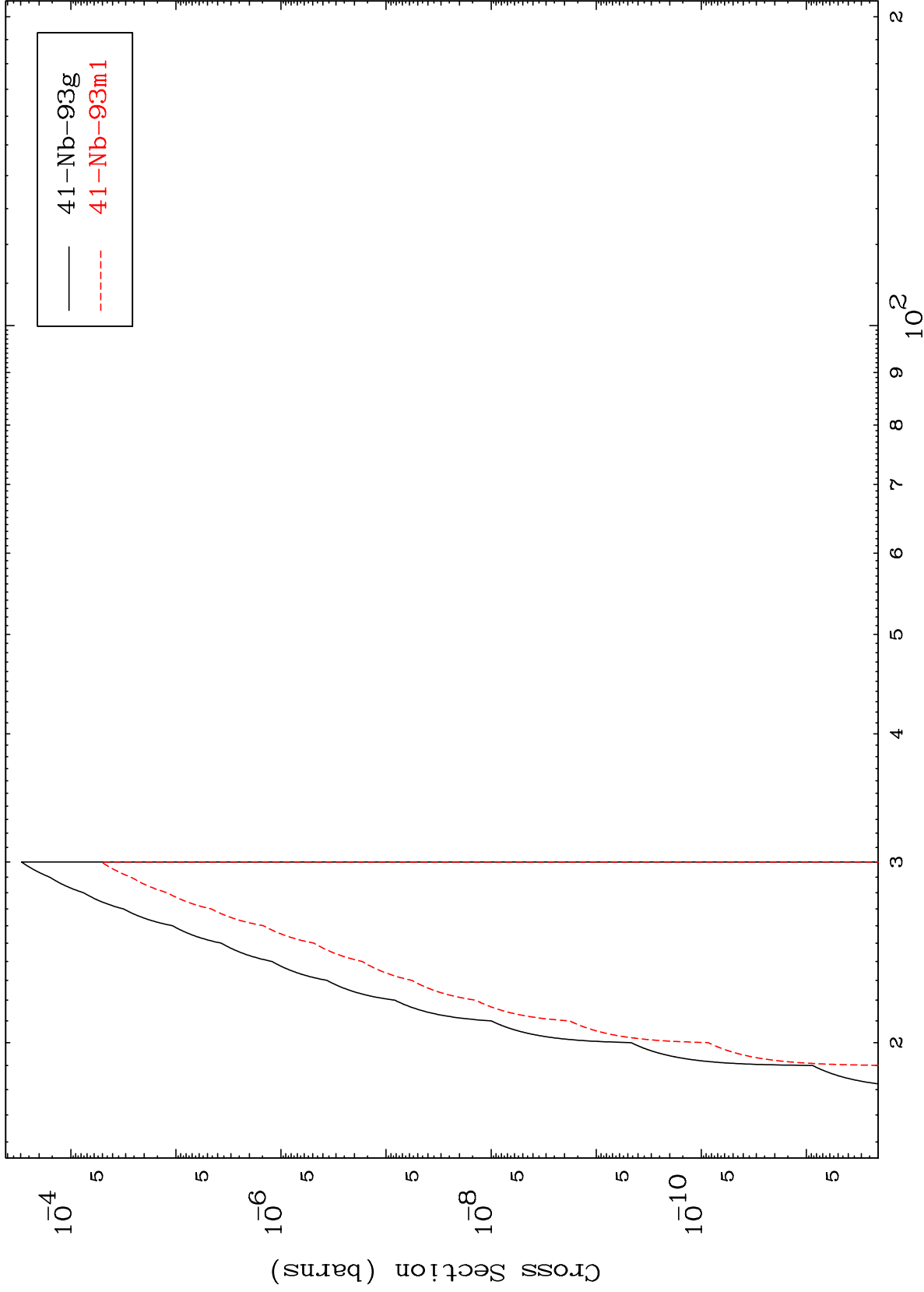
44-Ru-98

MAT 4431

(n,n') p α

44-Ru-98

Radionuclide Production Cross Section



87

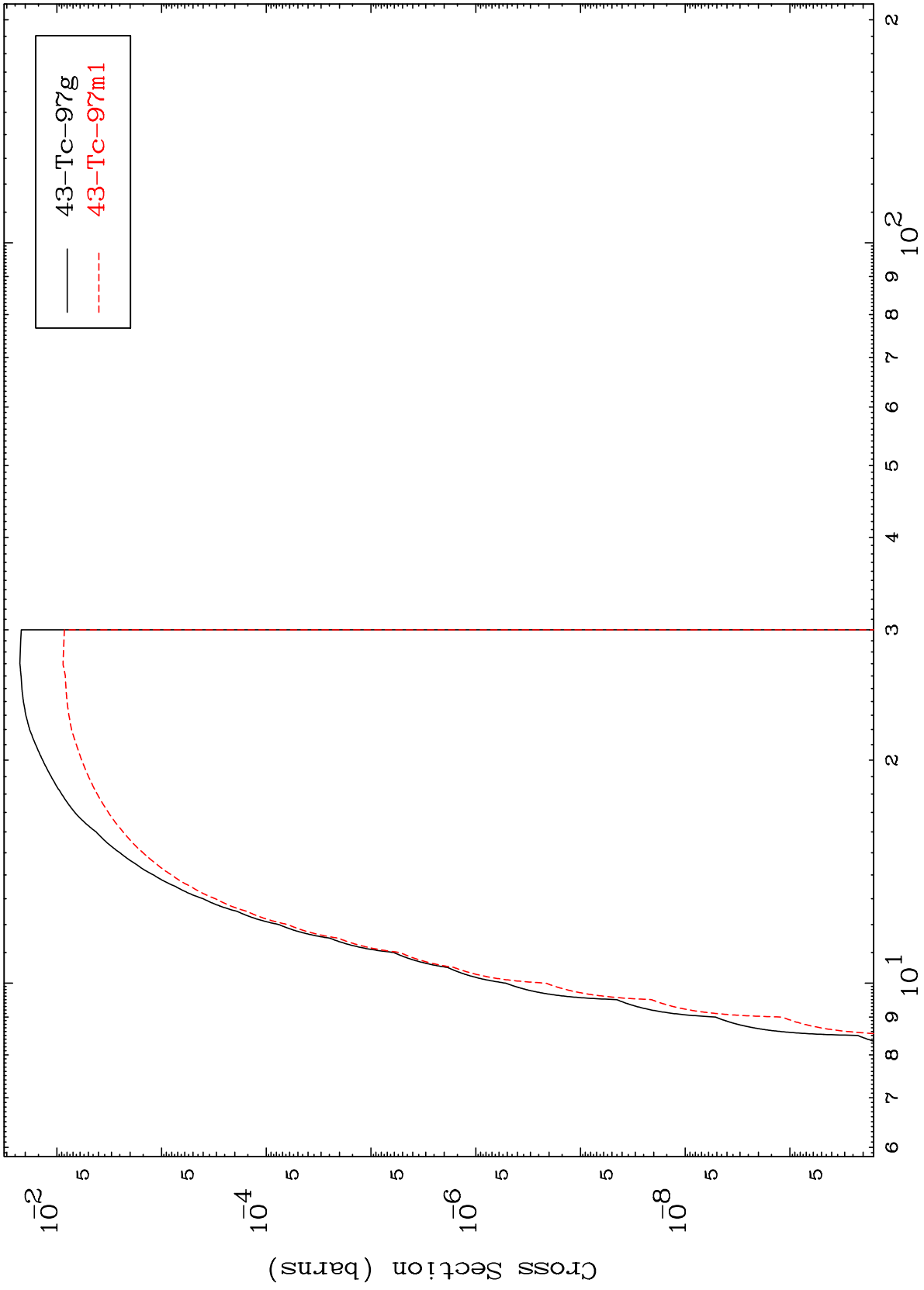
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

(n,d)
Radionuclide Production Cross Section



88

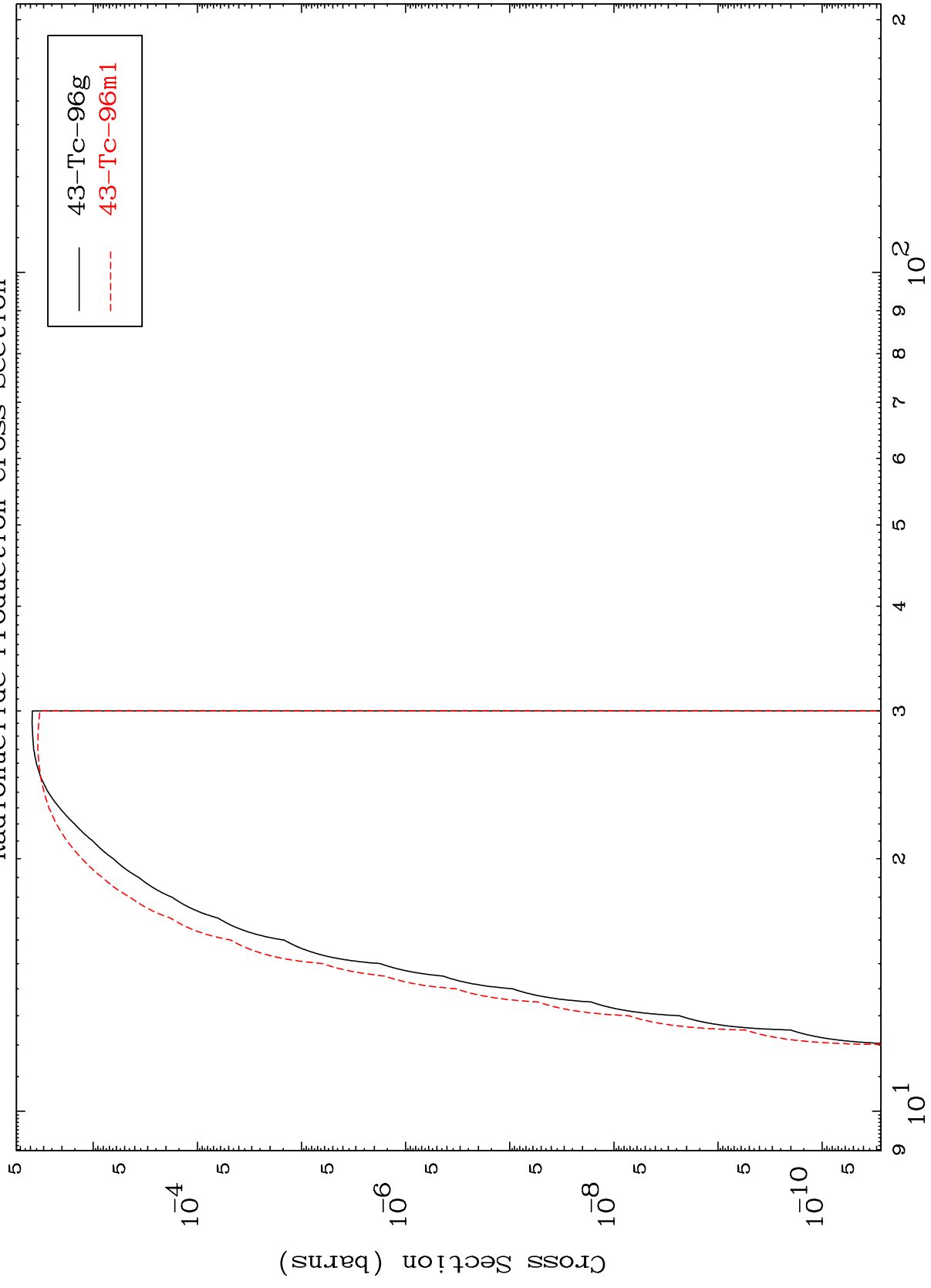
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

(n, t)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

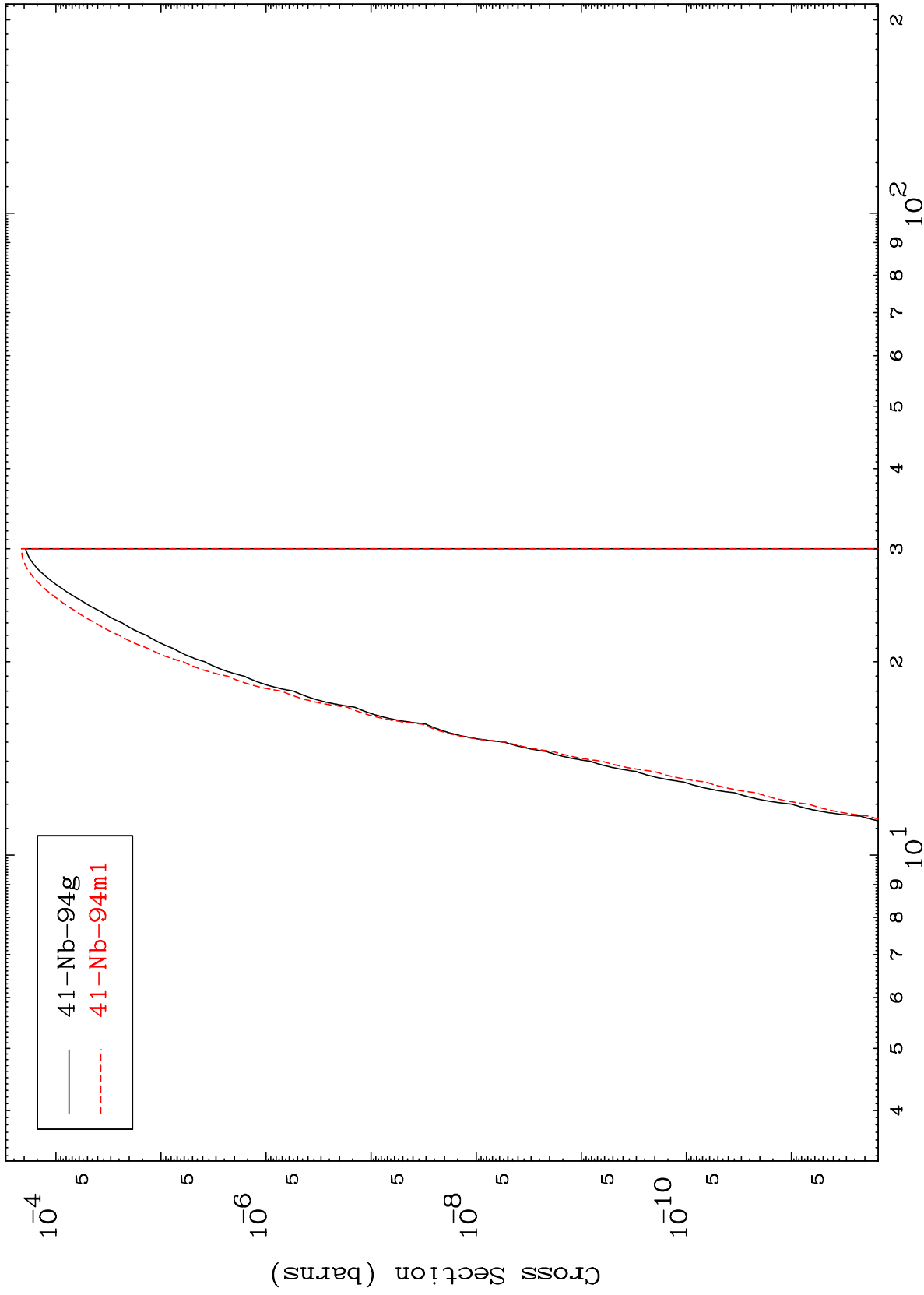
44-Ru-98

MAT 4431

(n,p) α

44-Ru-98

Radionuclide Production Cross Section



90

Incident Energy (MeV)

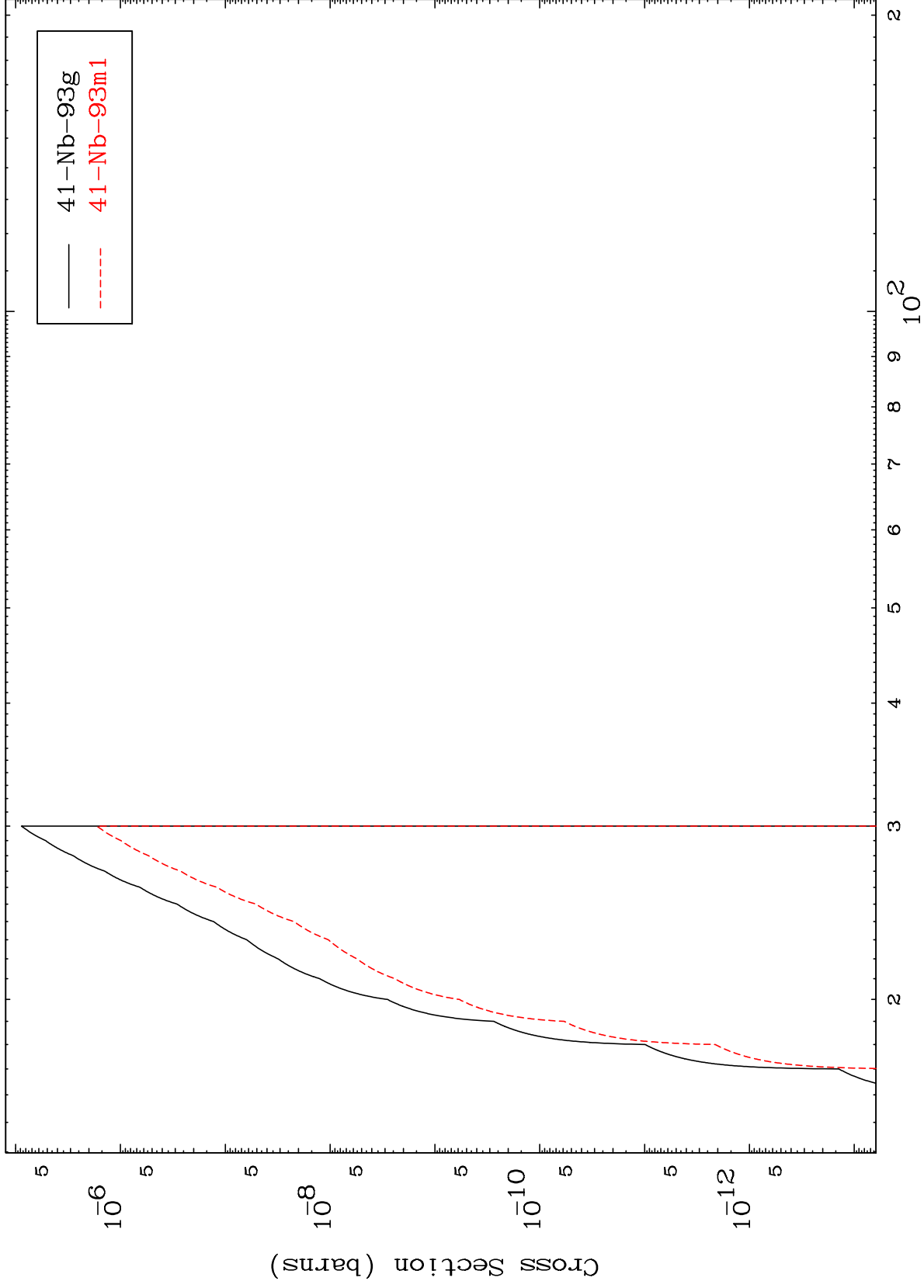
44-Ru-98

MAT 4431

(n,d) α

44-Ru-98

Radionuclide Production Cross Section



91

Incident Energy (MeV)

44-Ru-98