

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

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

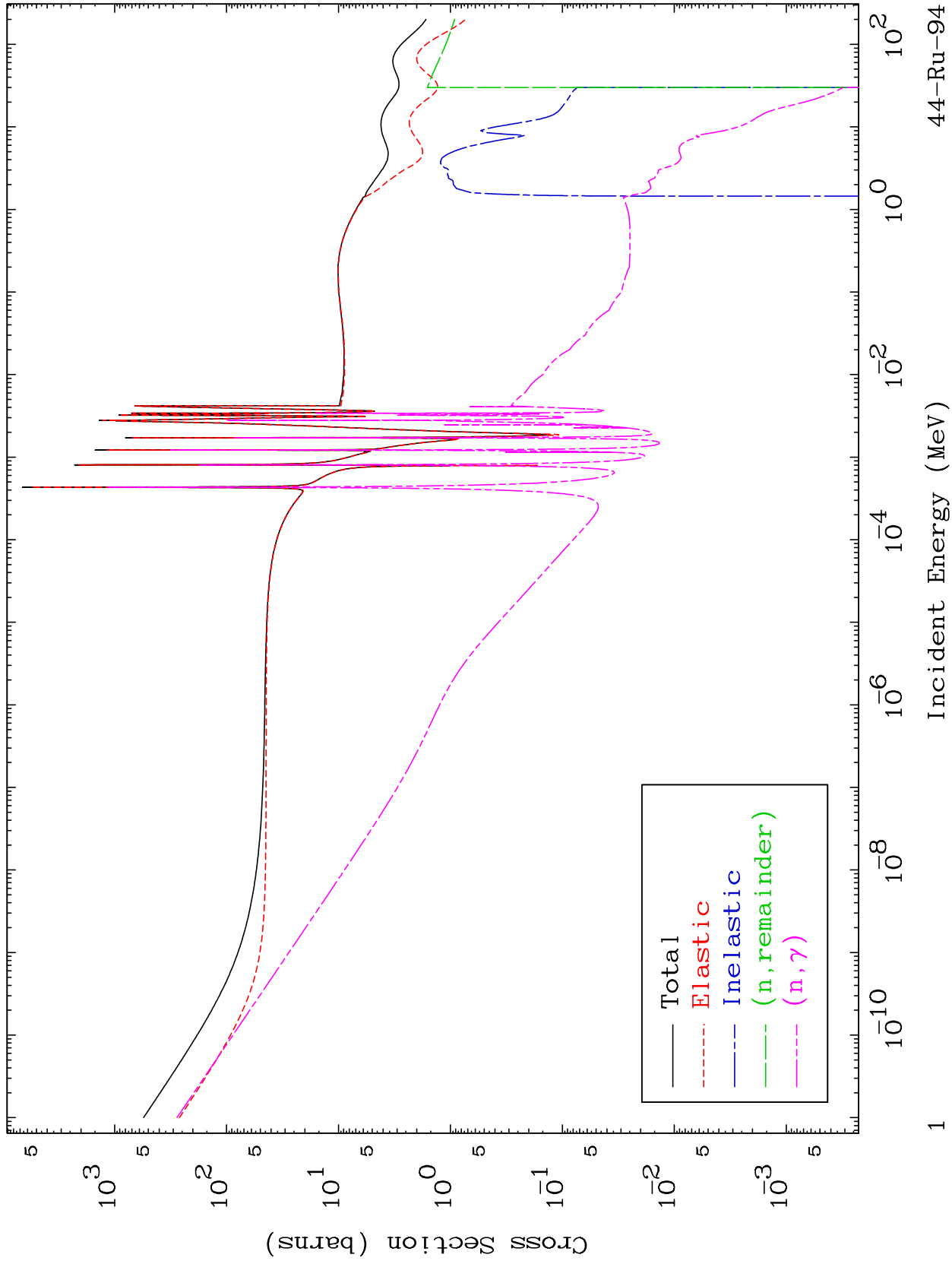
Press Mouse Button to Start

MAT 4419

Major

293 Kelvin Cross Sections

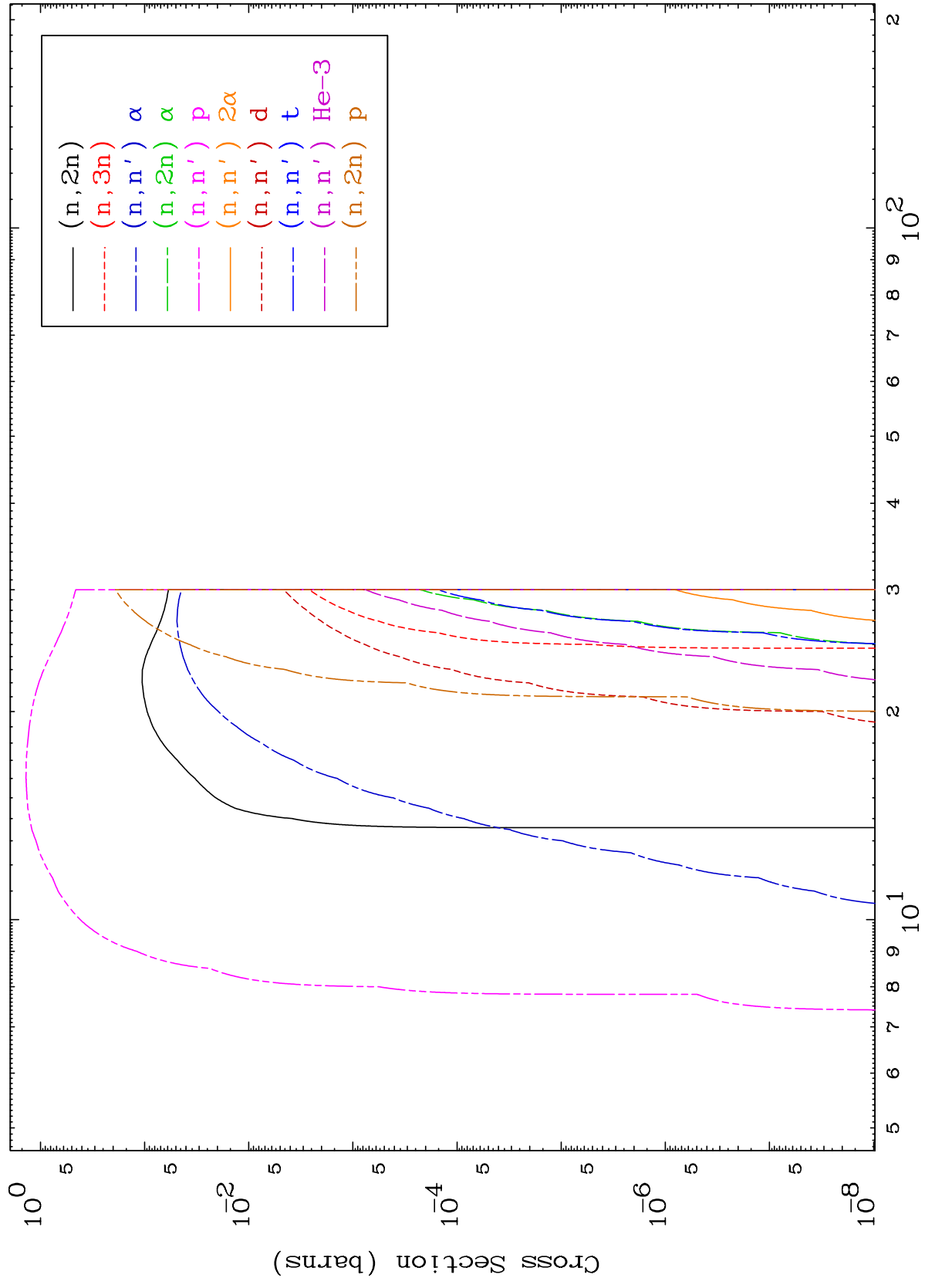
44-Ru-94



MAT 4419

Neutron Production
293 Kelvin Cross Sections

44-Ru-94



2

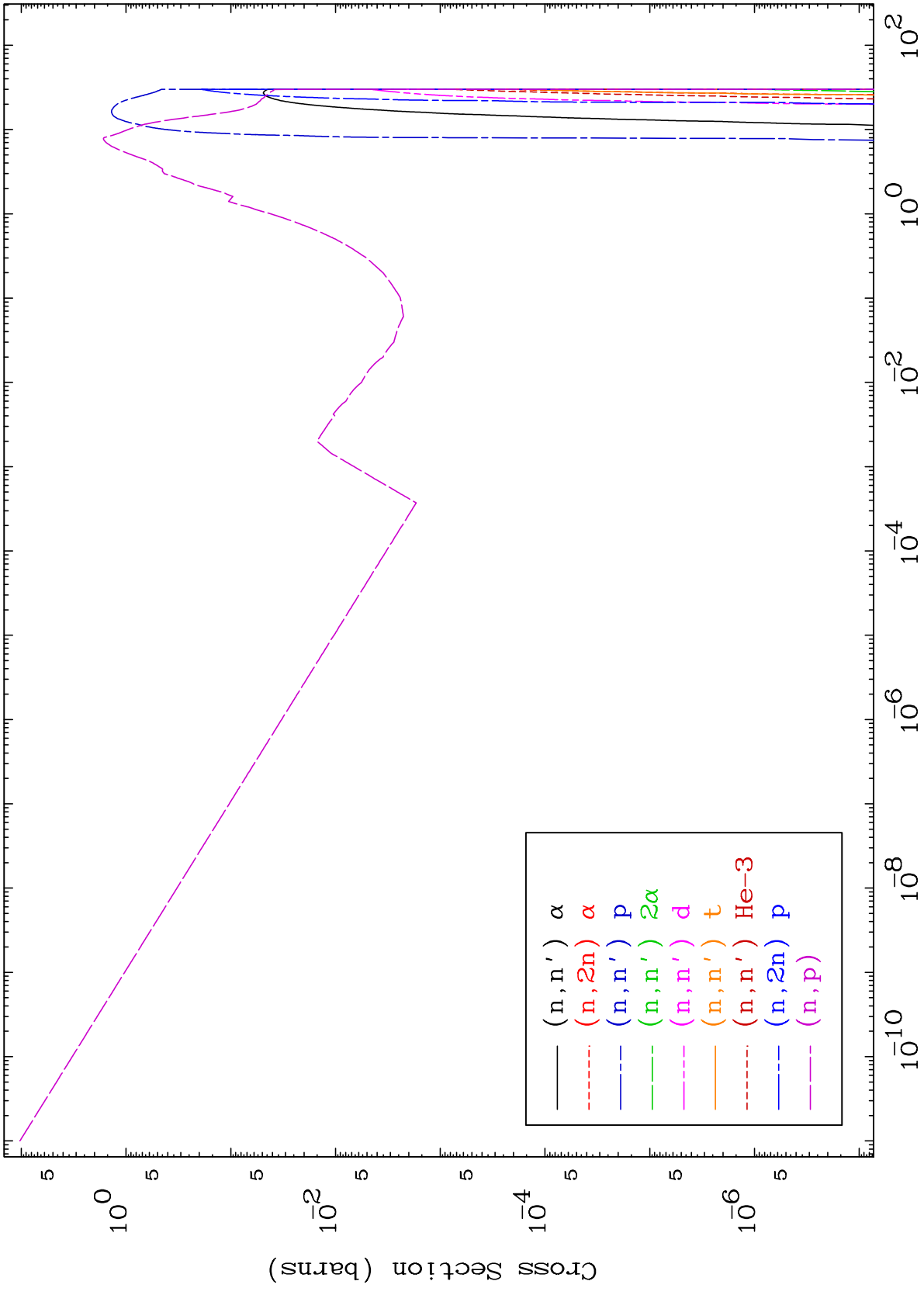
Incident Energy (MeV)

44-Ru-94

MAT 4419

Charged Particle
293 Kelvin Cross Sections

44-Ru-94

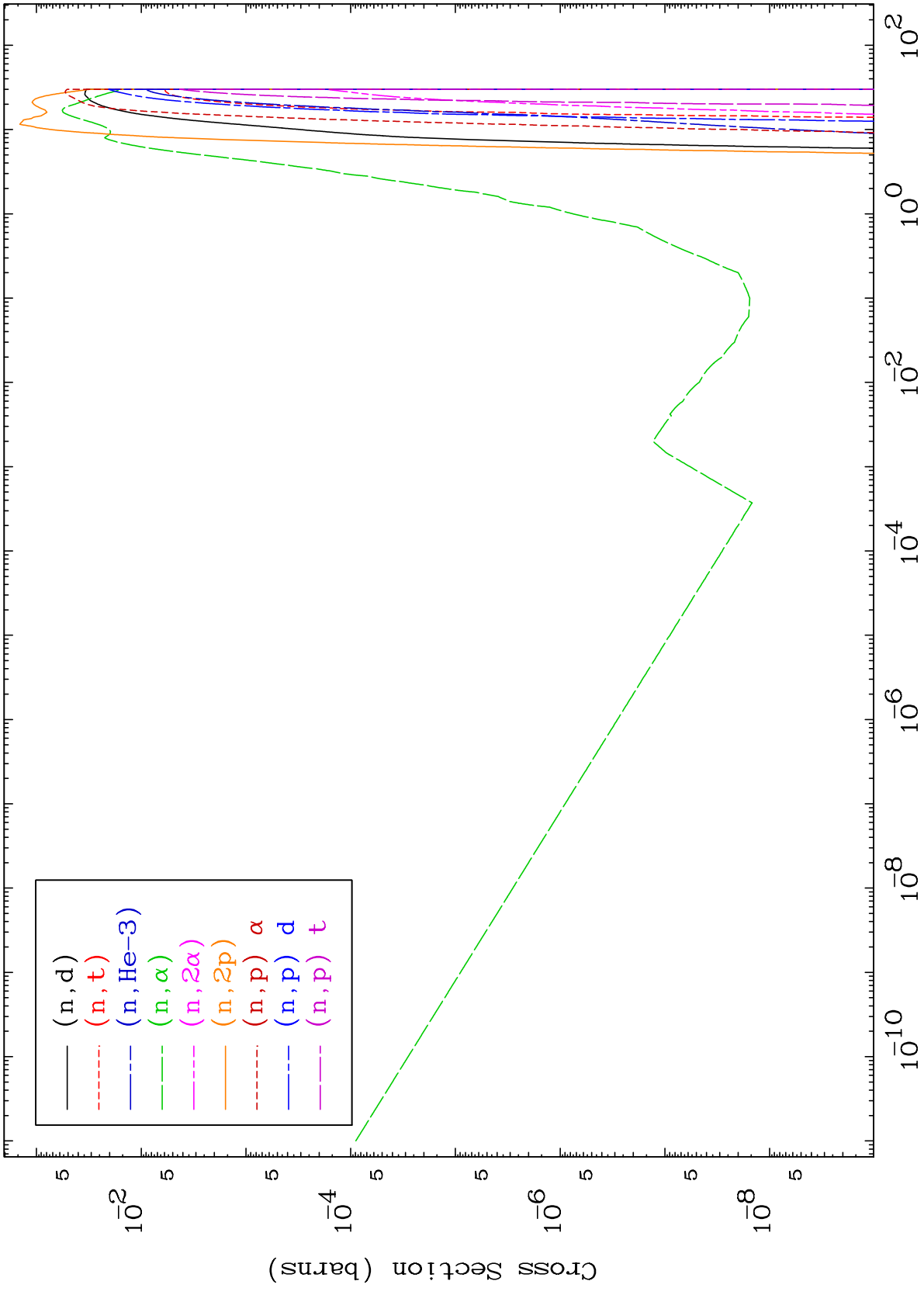


44-Ru-94

MAT 4419

Charged Particle
293 Kelvin Cross Sections

44-Ru-94

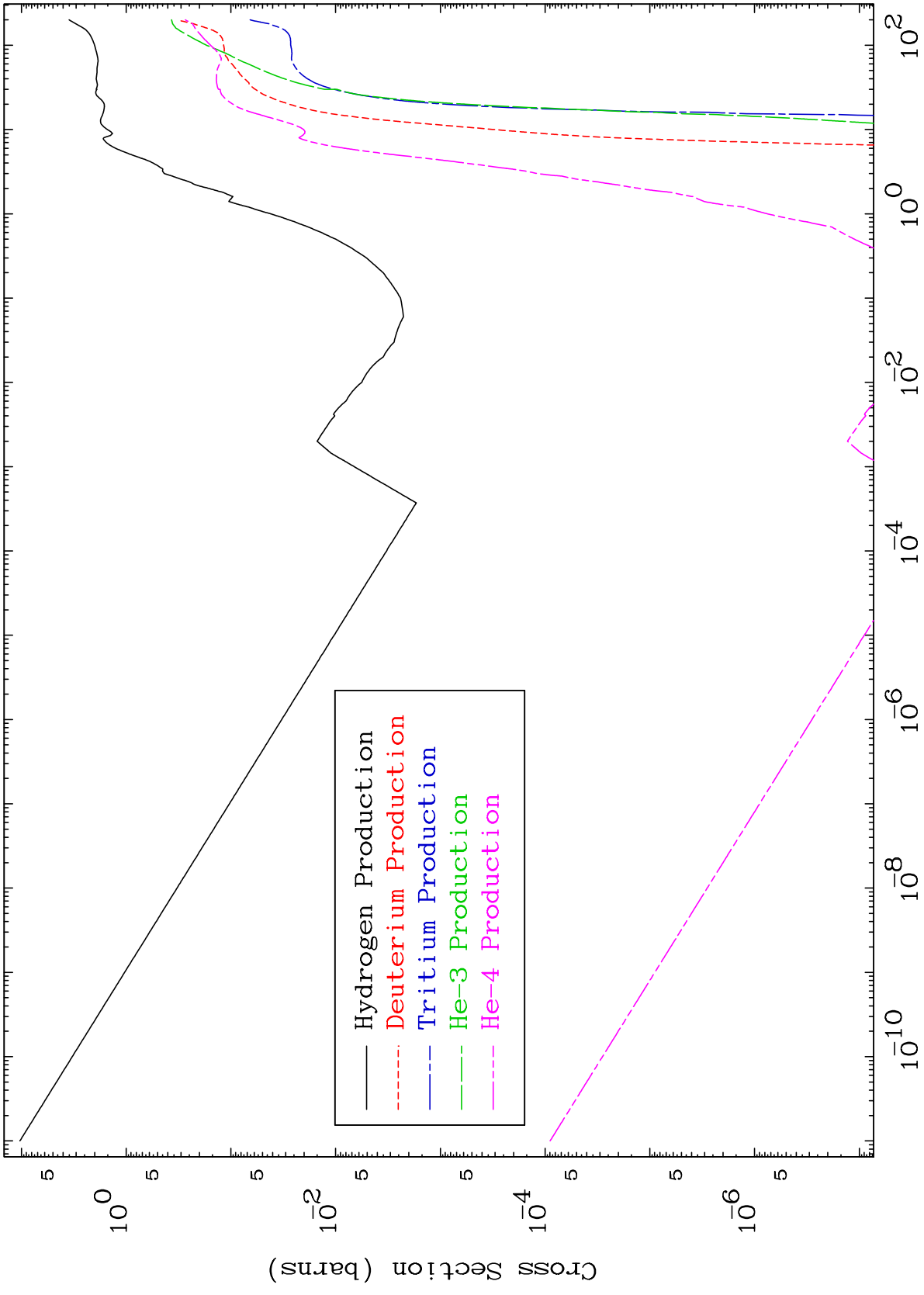


44-Ru-94

MAT 4419

Particle Production
293 Kelvin Cross Sections

44-Ru-94



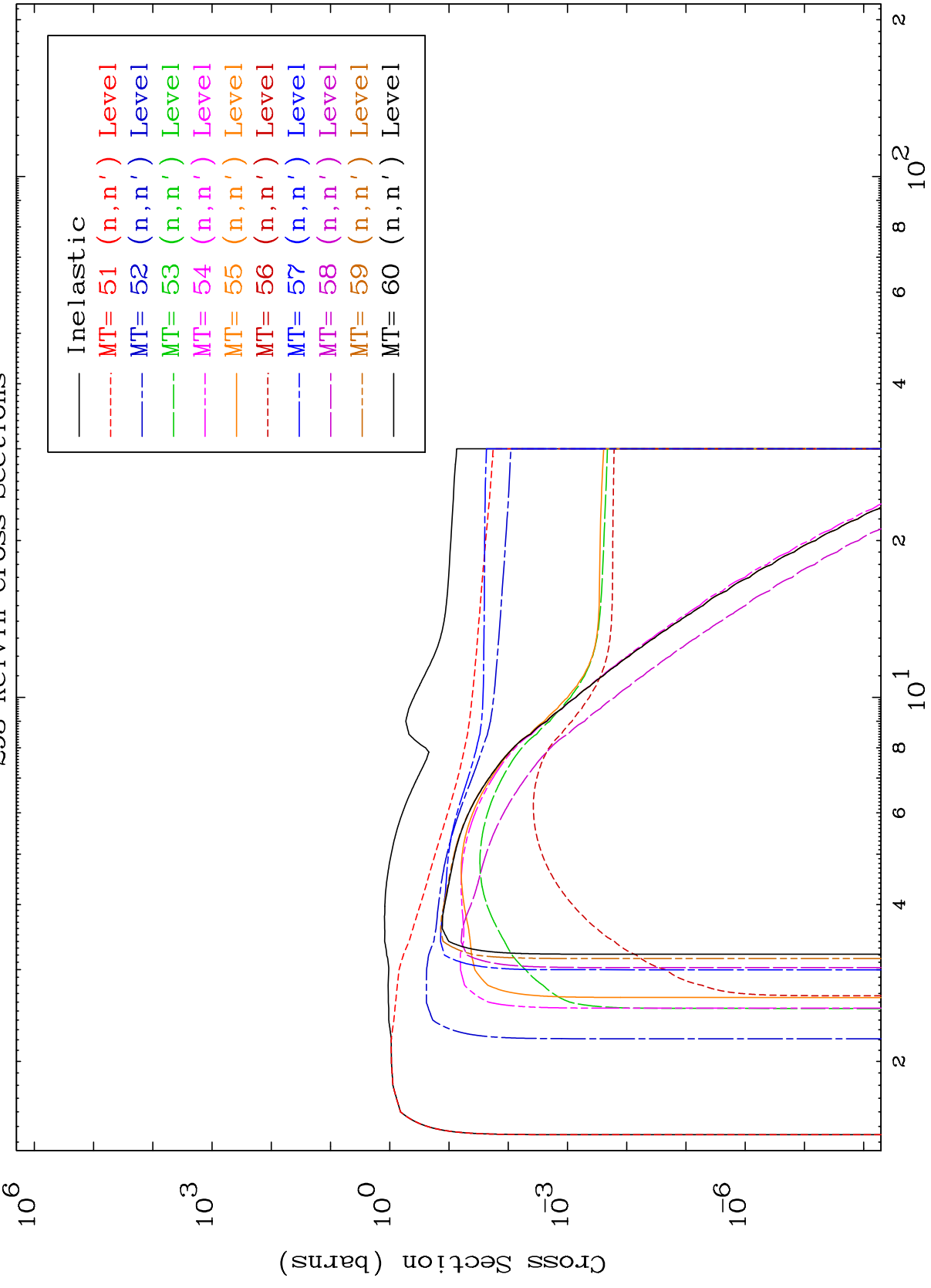
44-Ru-94

MAT 4419

(n,n') Level

44-Ru-94

293 Kelvin Cross Sections



6

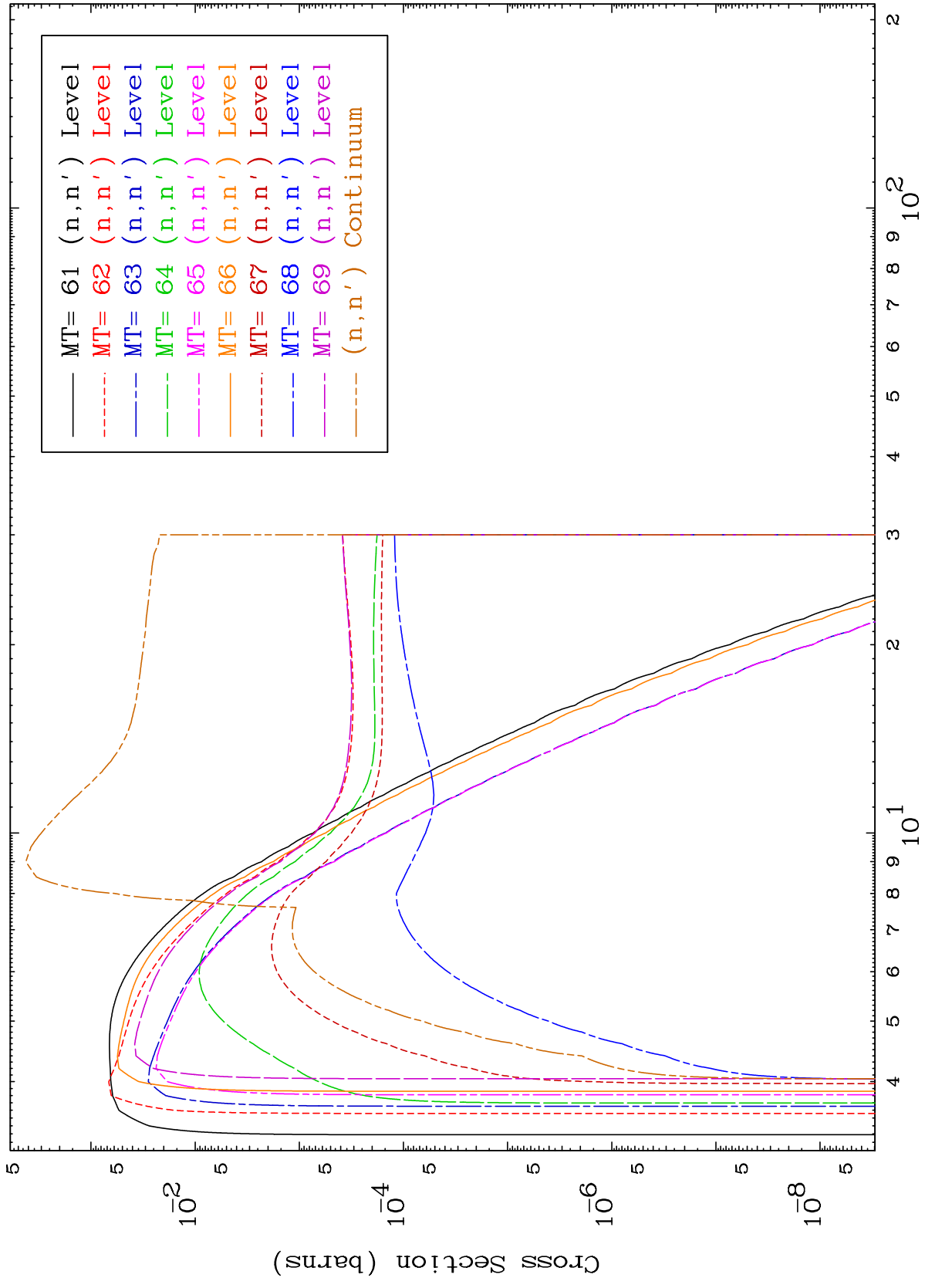
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n,n') Level
293 Kelvin Cross Sections

44-Ru-94



7

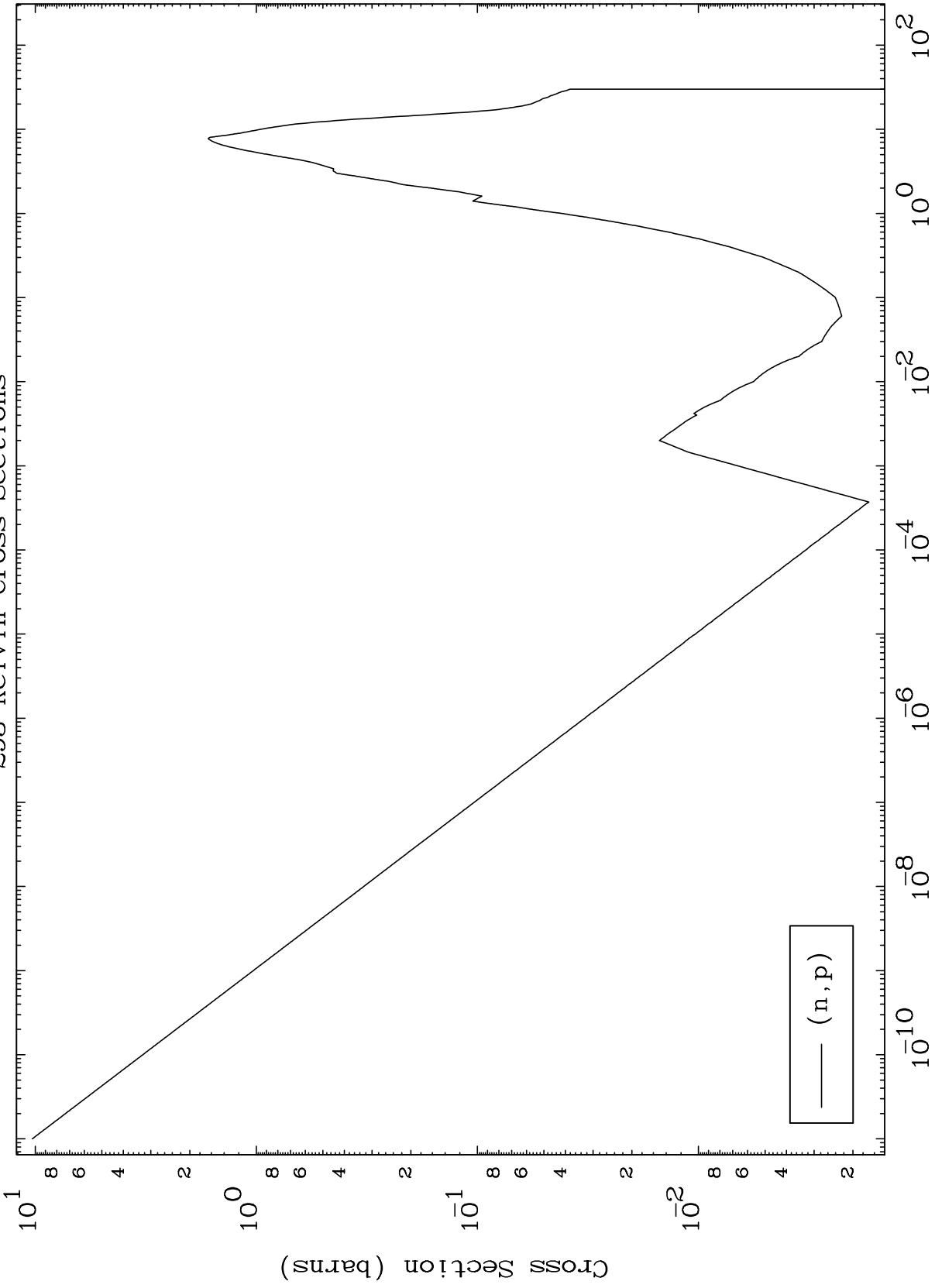
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-94



8

Incident Energy (MeV)

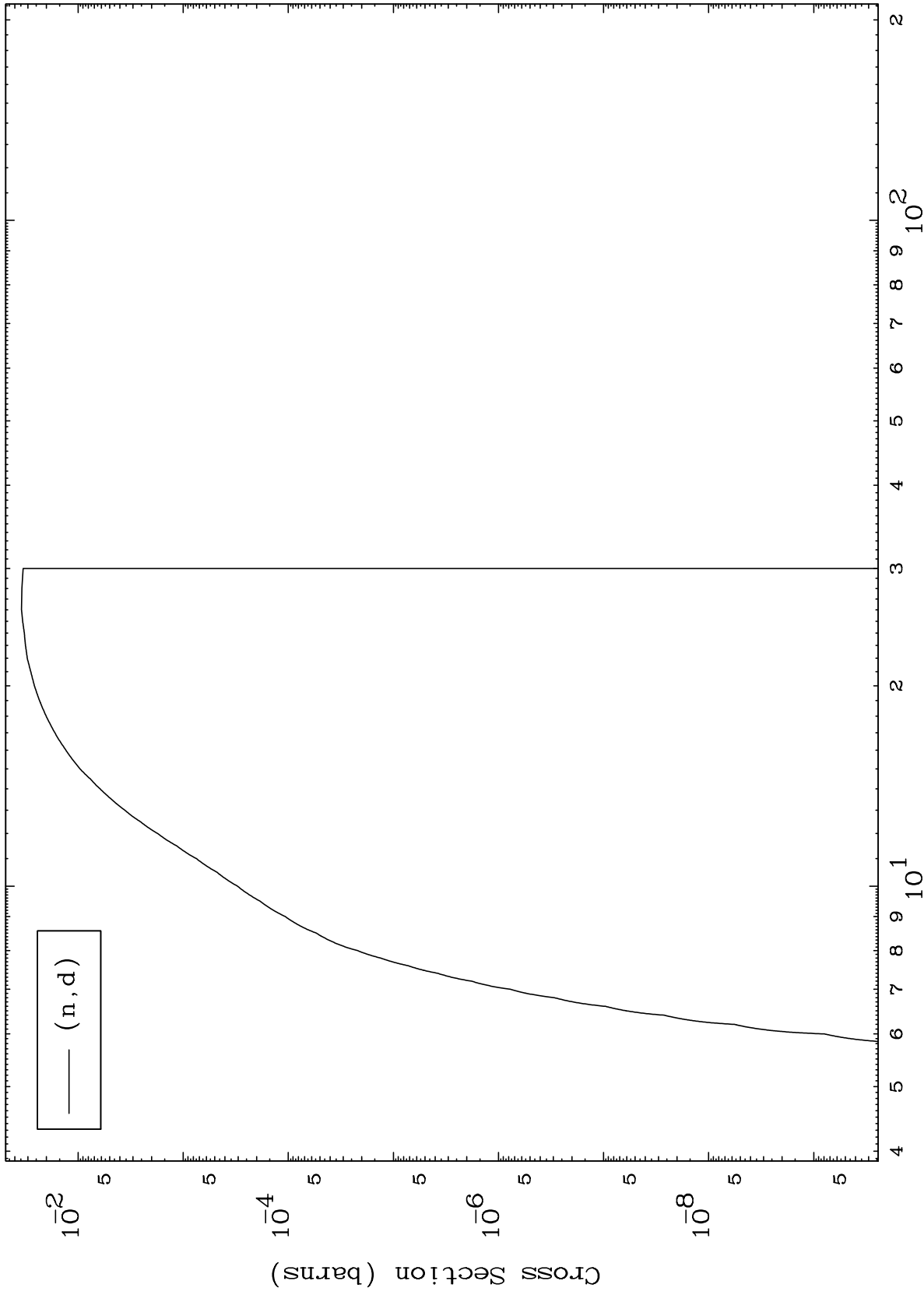
44-Ru-94

— (n, p)

MAT 4419

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-94



9

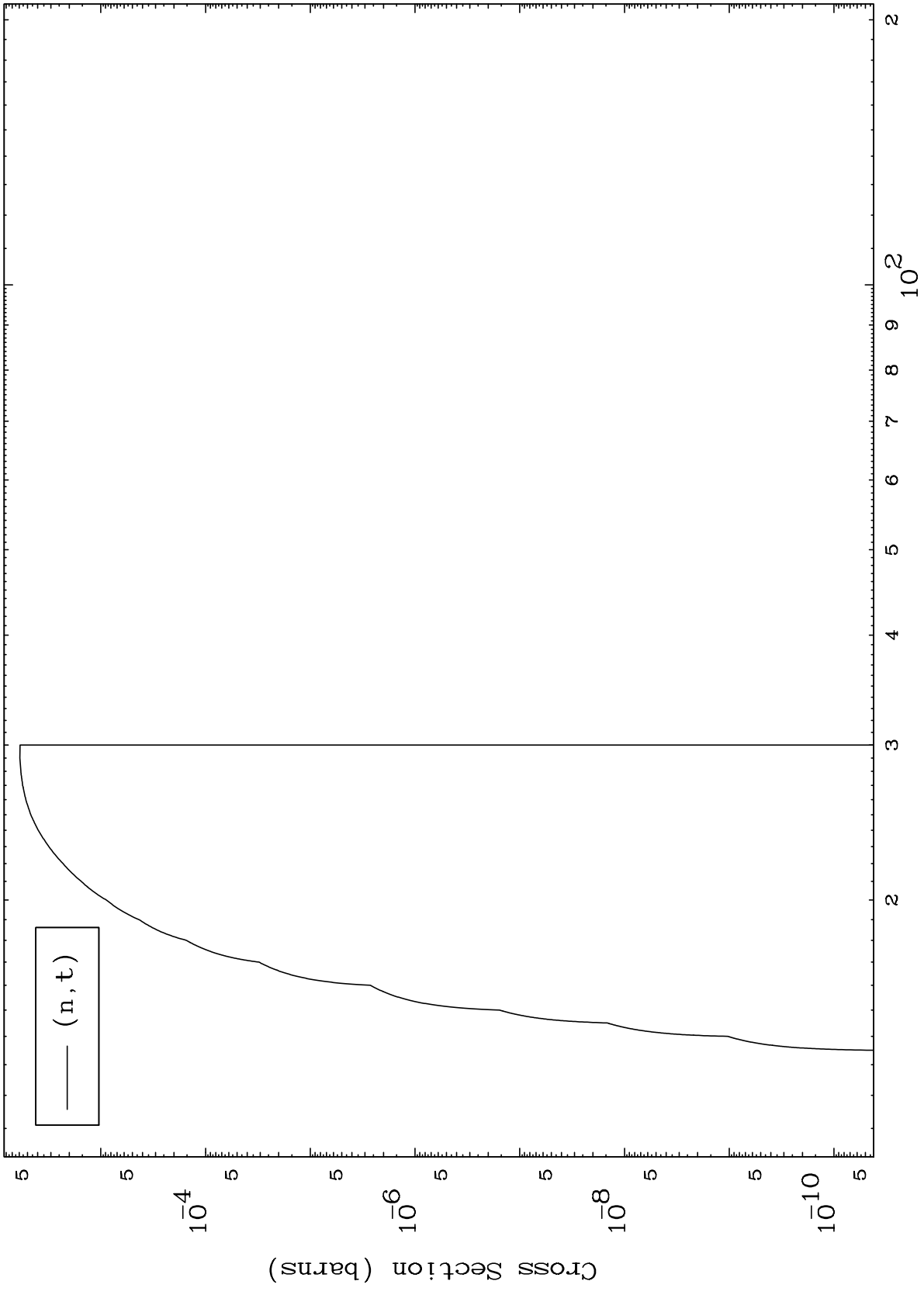
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-94



10

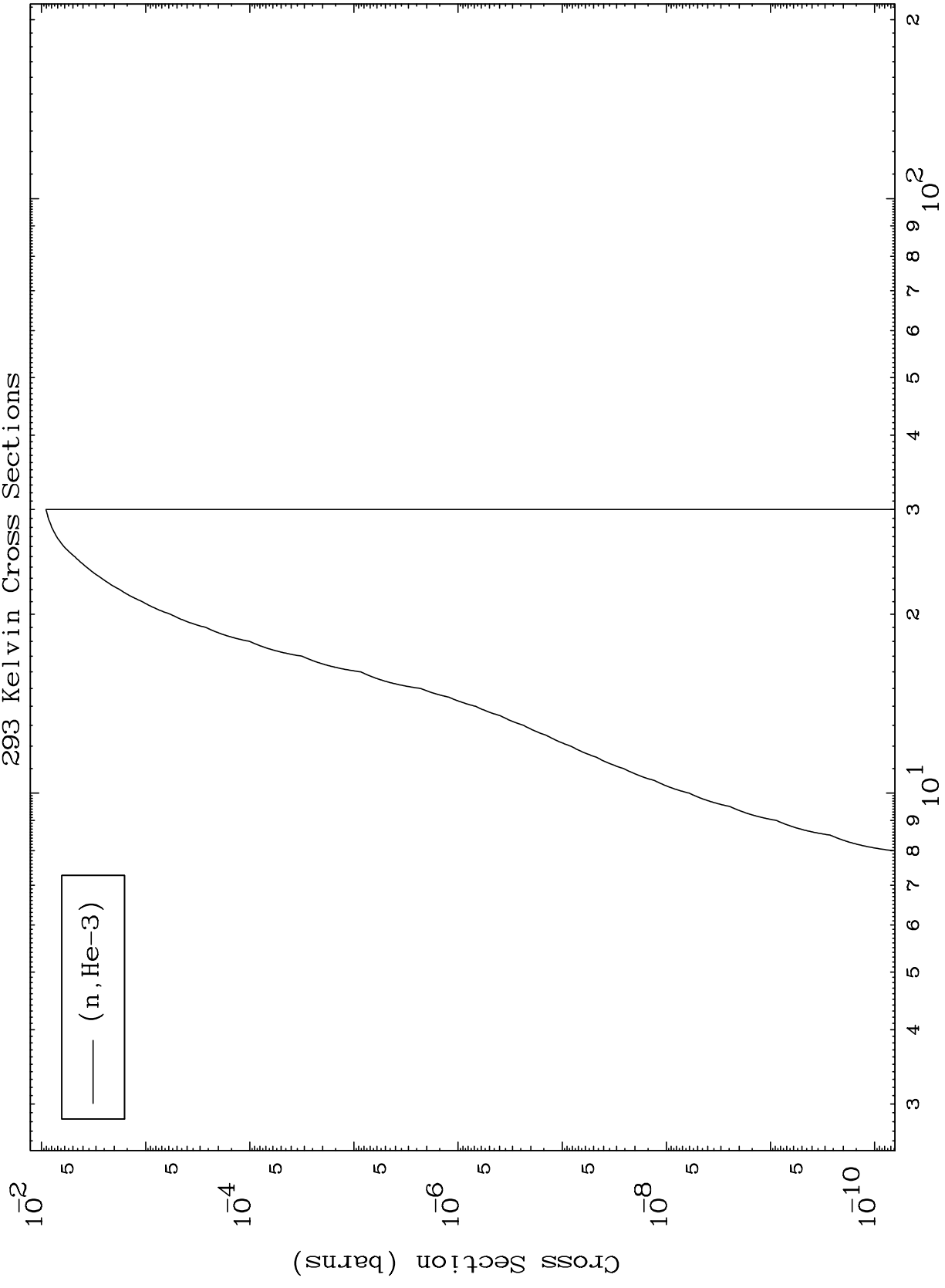
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-94



11

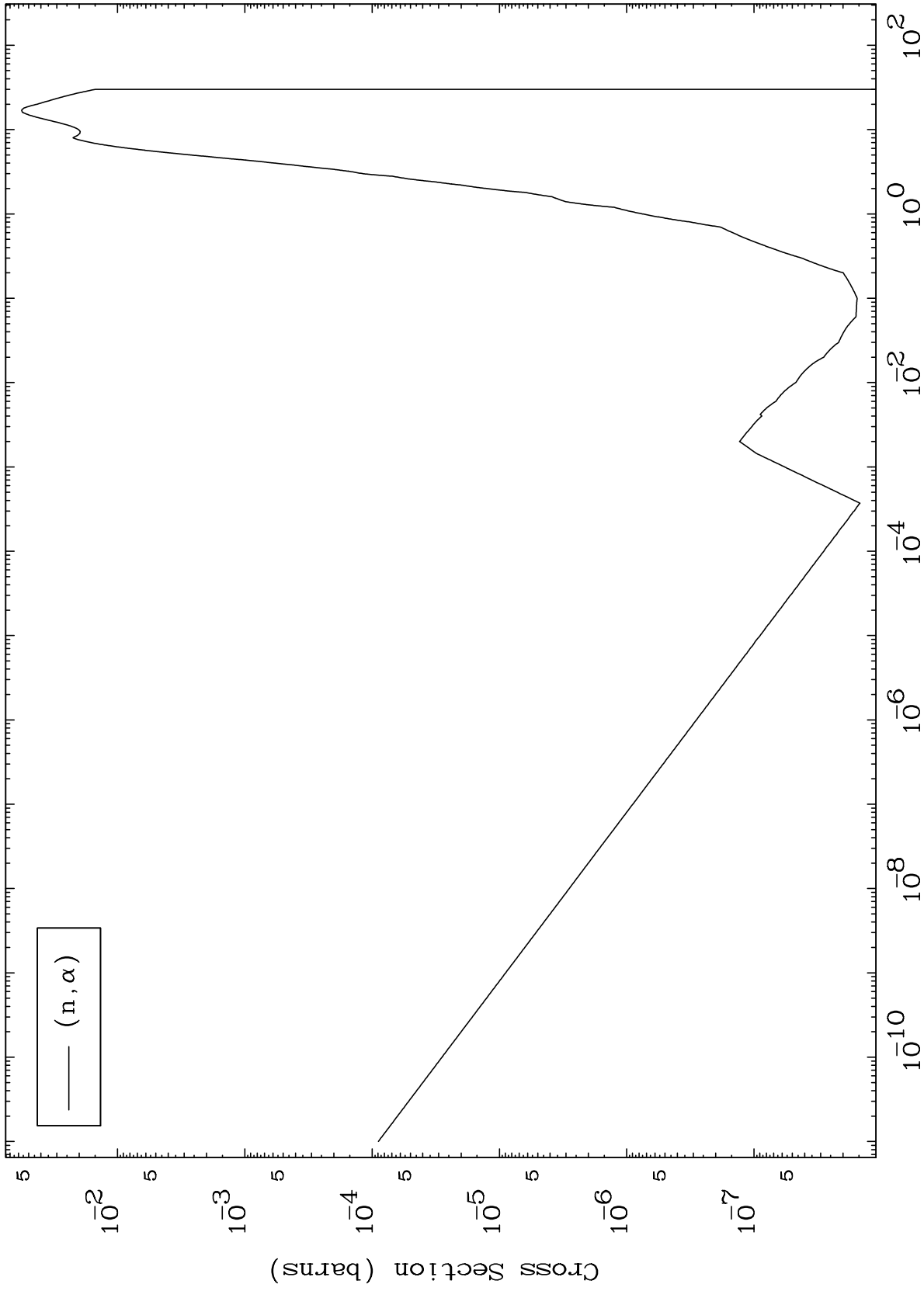
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n, α) Levels
293 Kelvin Cross Sections

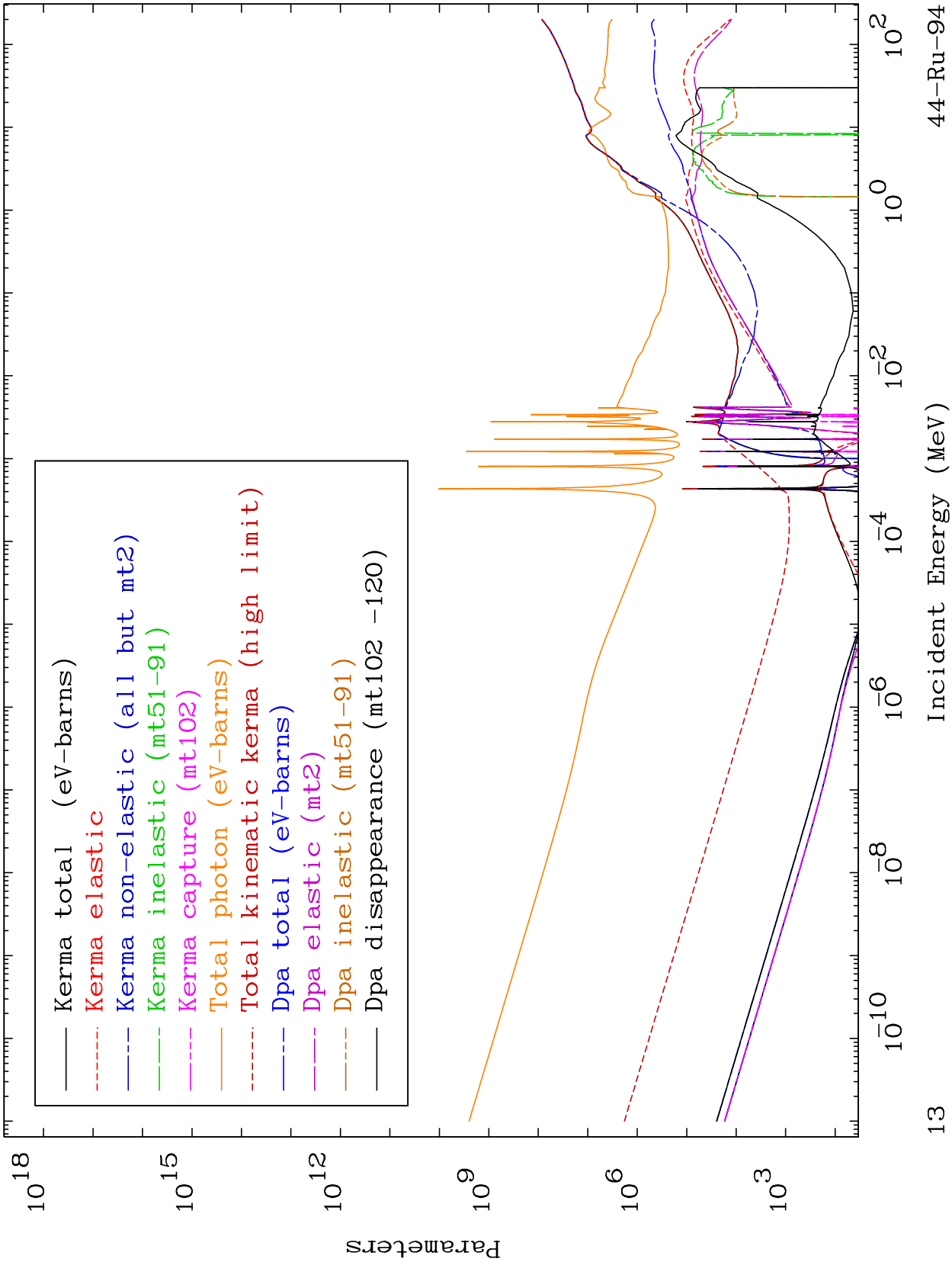
44-Ru-94



12

Incident Energy (MeV)

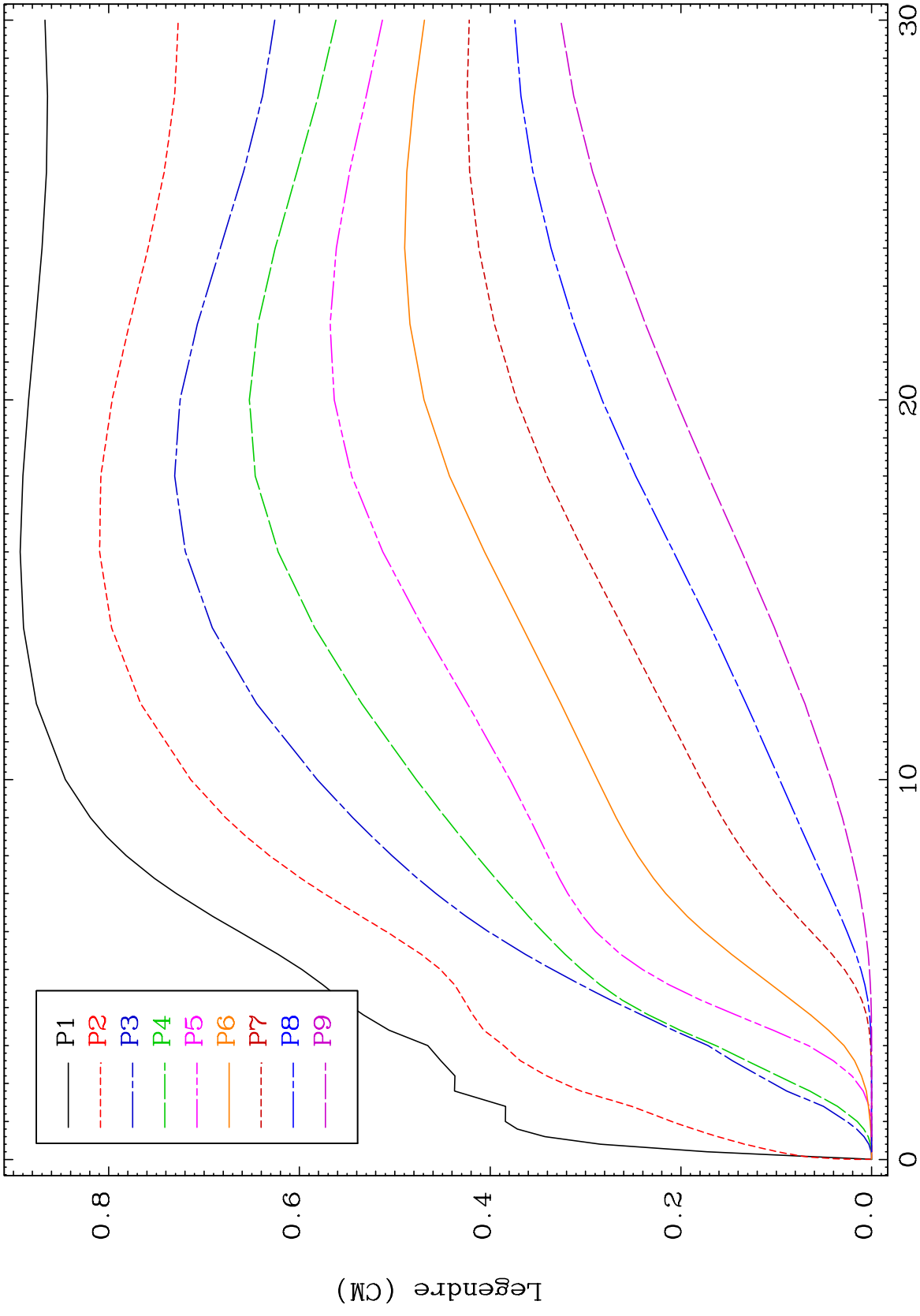
44-Ru-94



MAT 4419

Elastic Legendre Coefficients

44-Ru-94



14

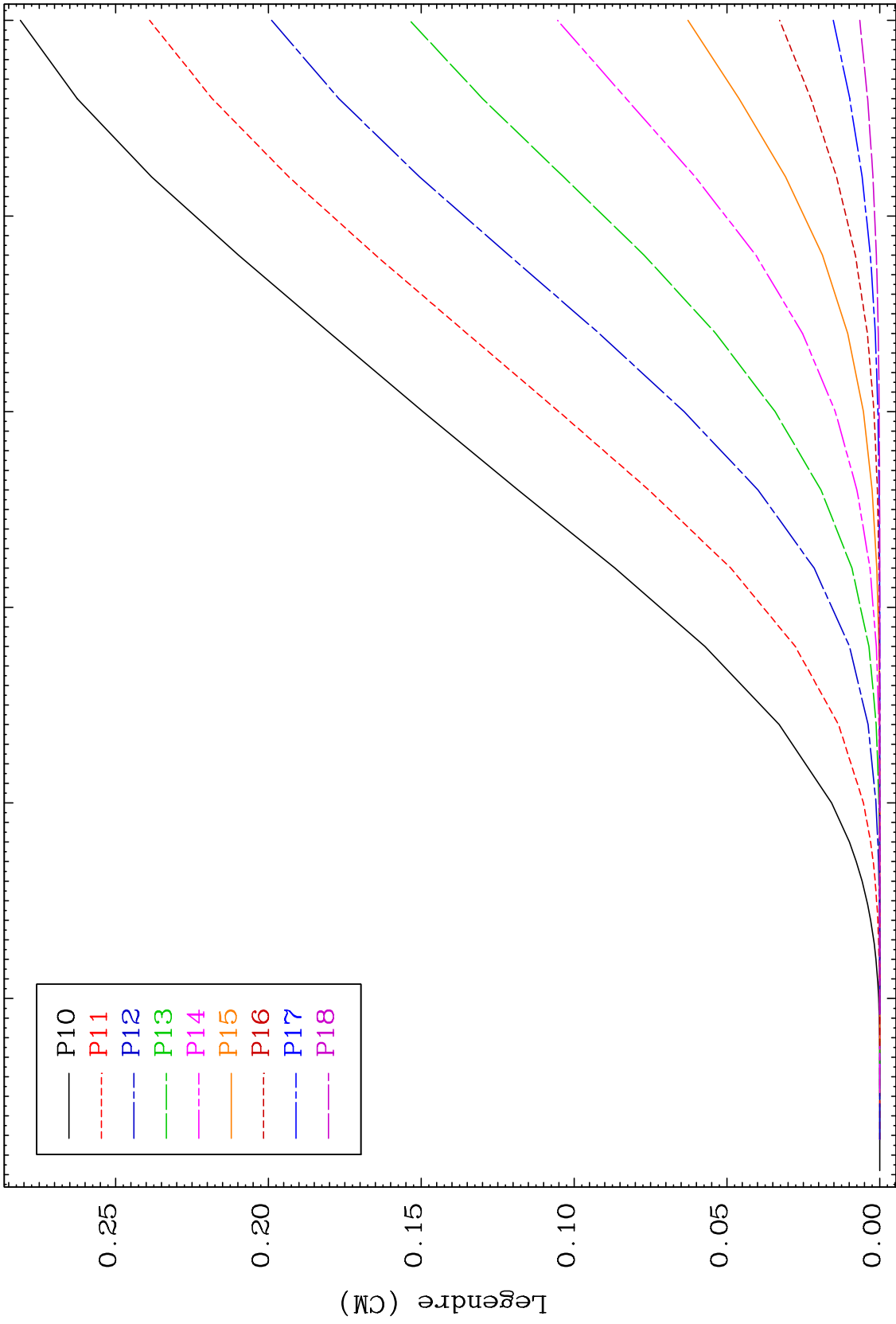
Incident Energy (MeV)

44-Ru-94

MAT 4419

Elastic Legendre Coefficients

44-Ru-94



15

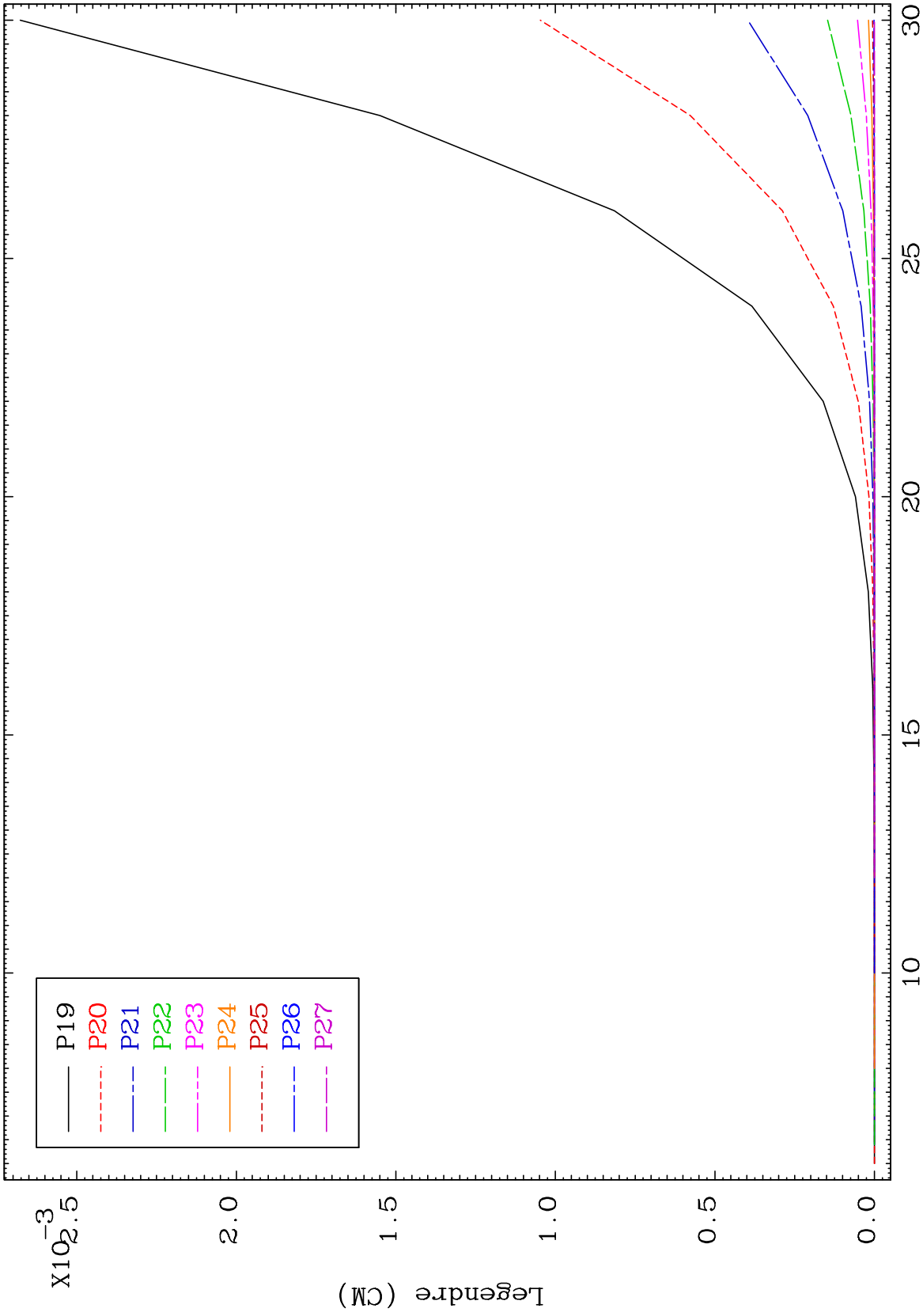
Incident Energy (MeV)

44-Ru-94

MAT 4419

Elastic Legendre Coefficients

44-Ru-94



16

Incident Energy (MeV)

44-Ru-94

MAT 4419

44-Ru-94

Elastic Legendre Coefficients

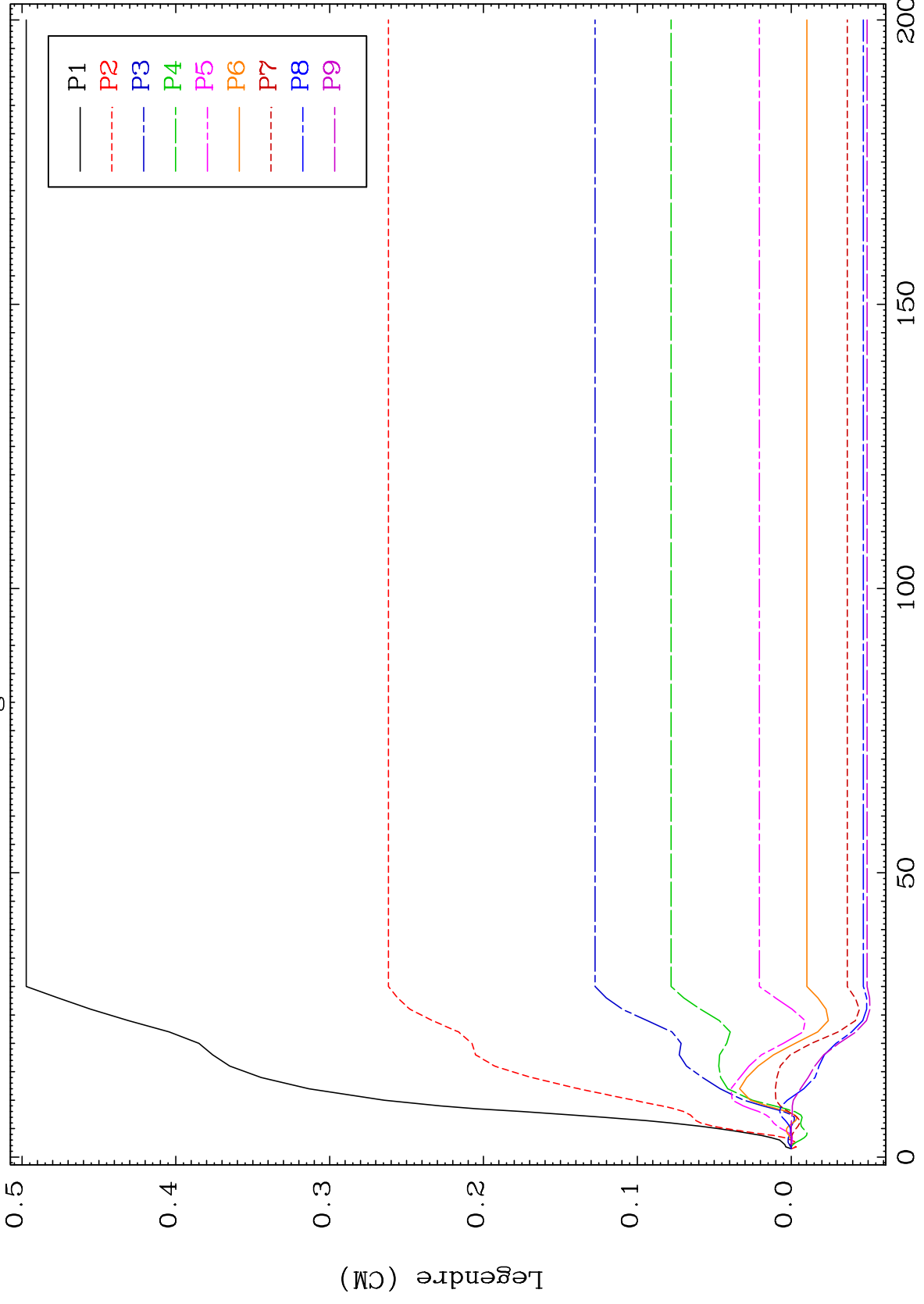


17

Incident Energy (MeV)

44-Ru-94

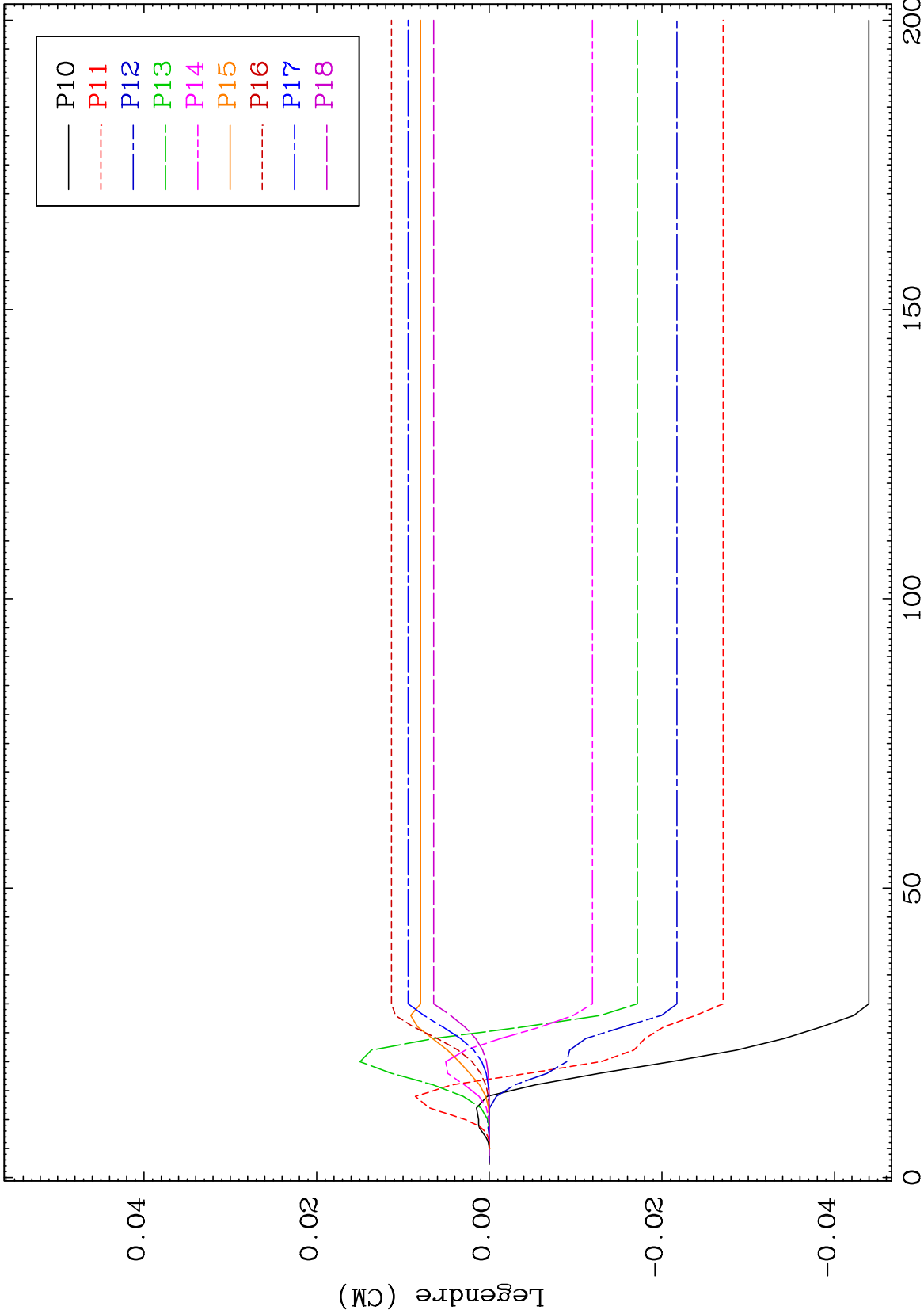
MAT 4419 MT= 51 (n,n') Level Legendre Coefficients 44-Ru-94



MAT 4419

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

44-Ru-94



19

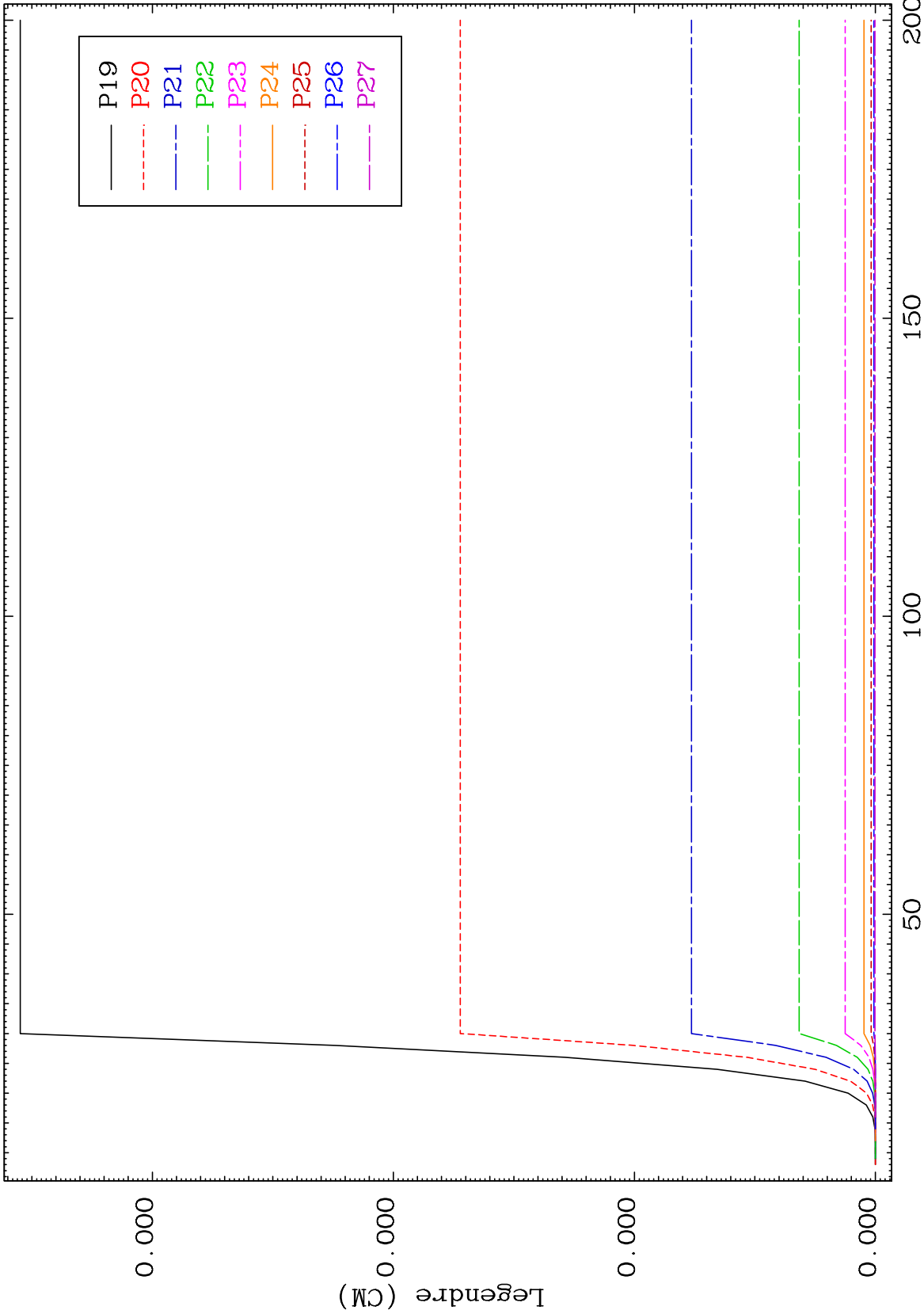
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94

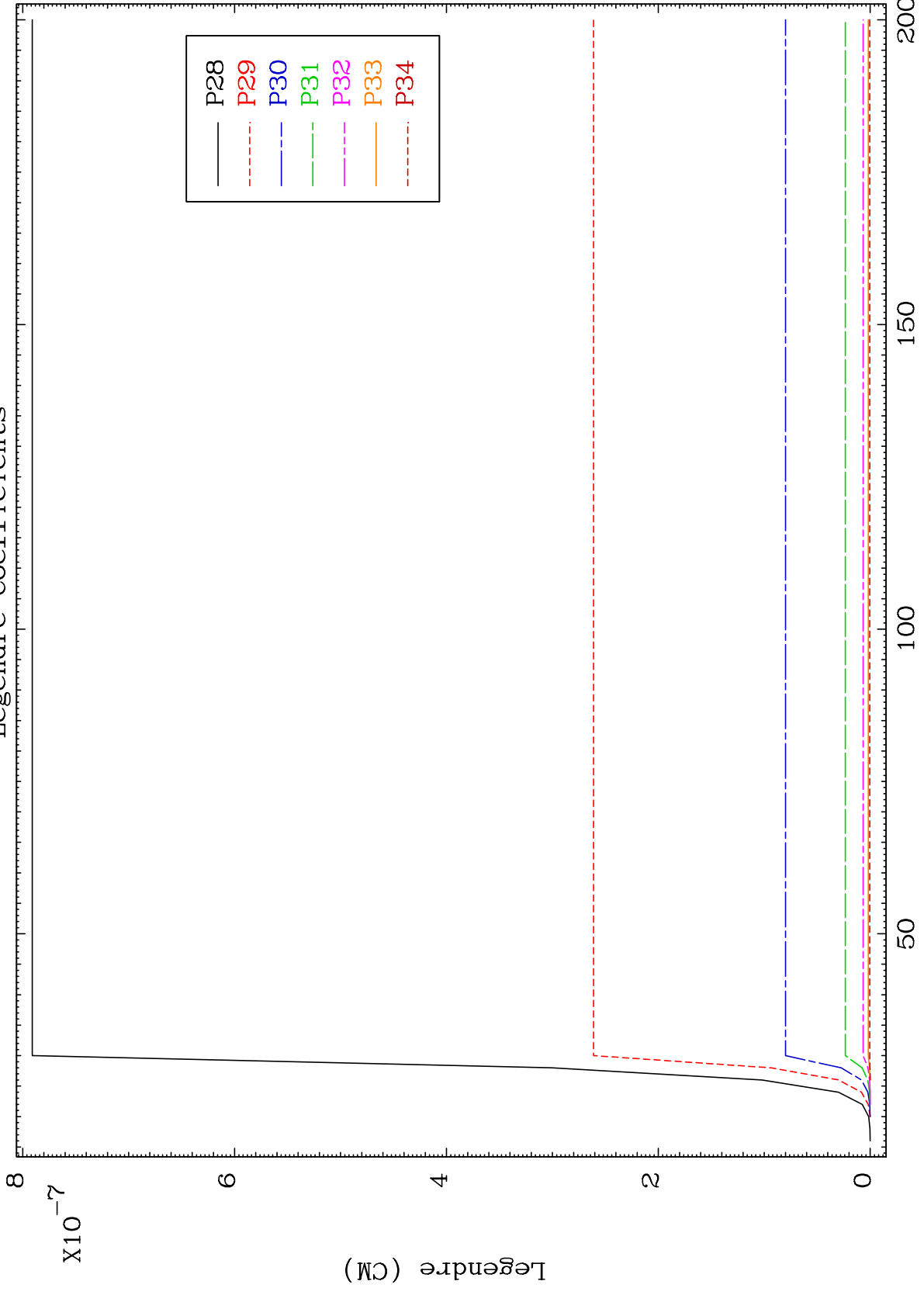


20

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 51 (n,n') Level Legendre Coefficients 44-Ru-94

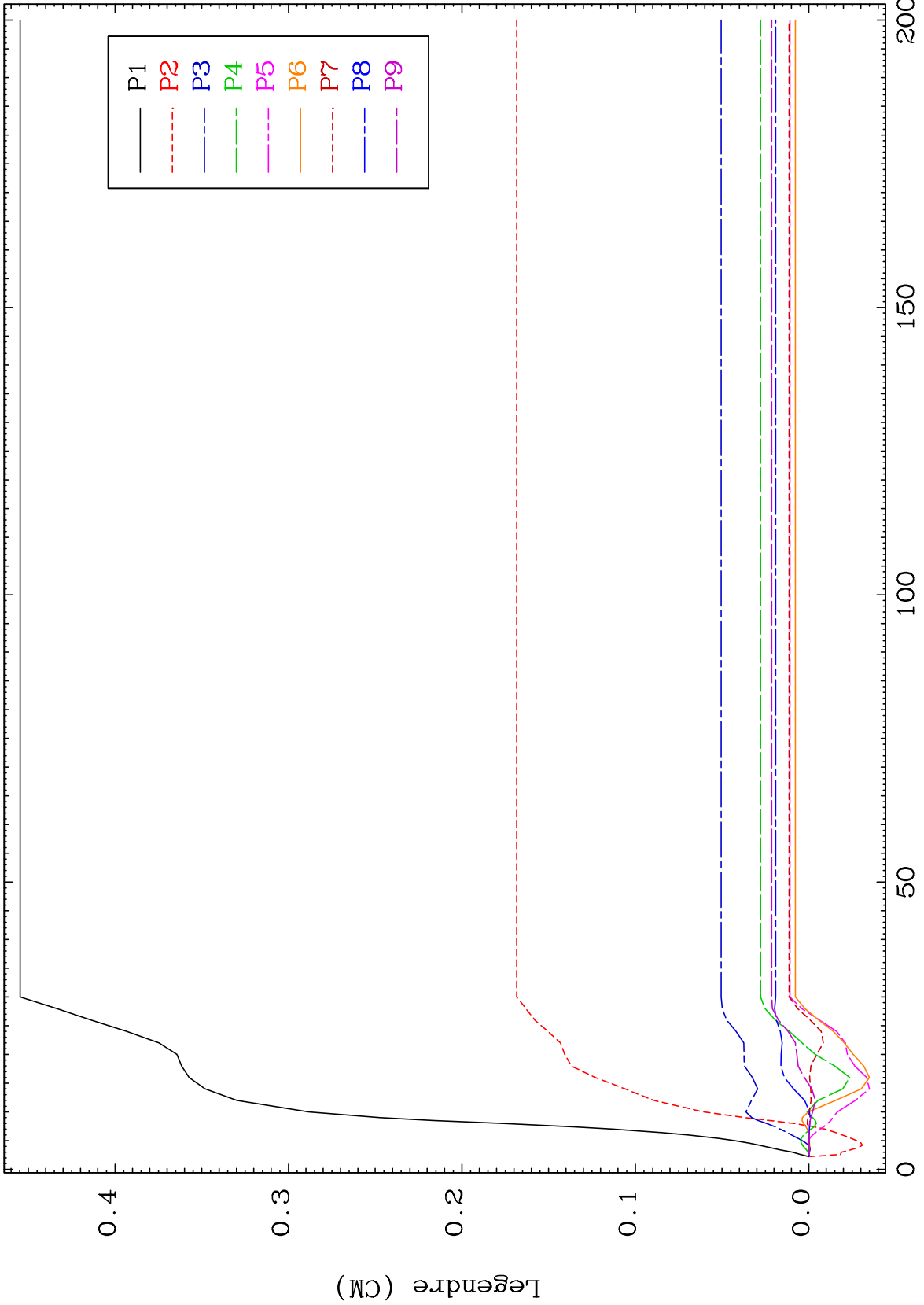


21 44-Ru-94

MAT 4419

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

44-Ru-94



22

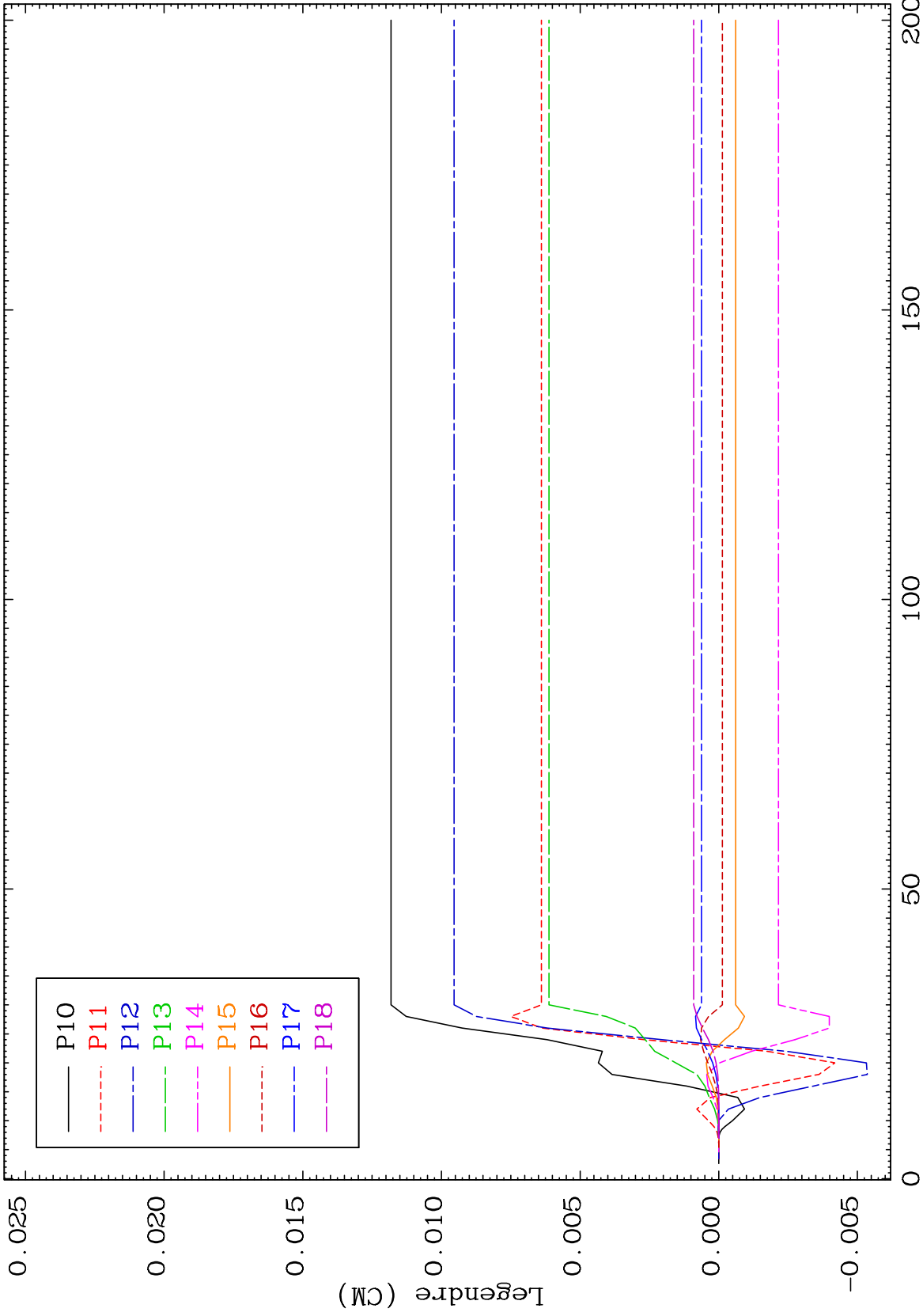
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



23

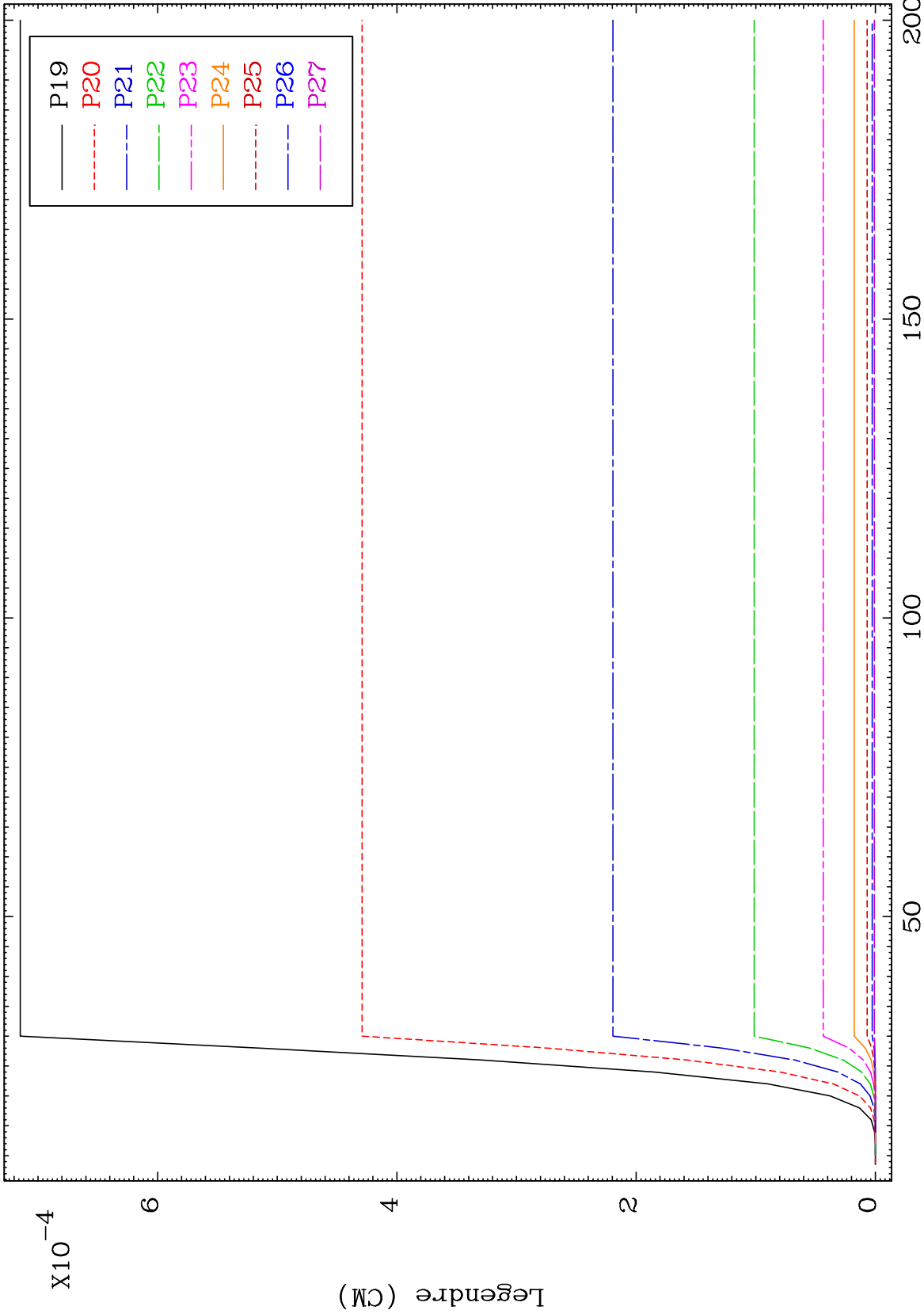
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



24

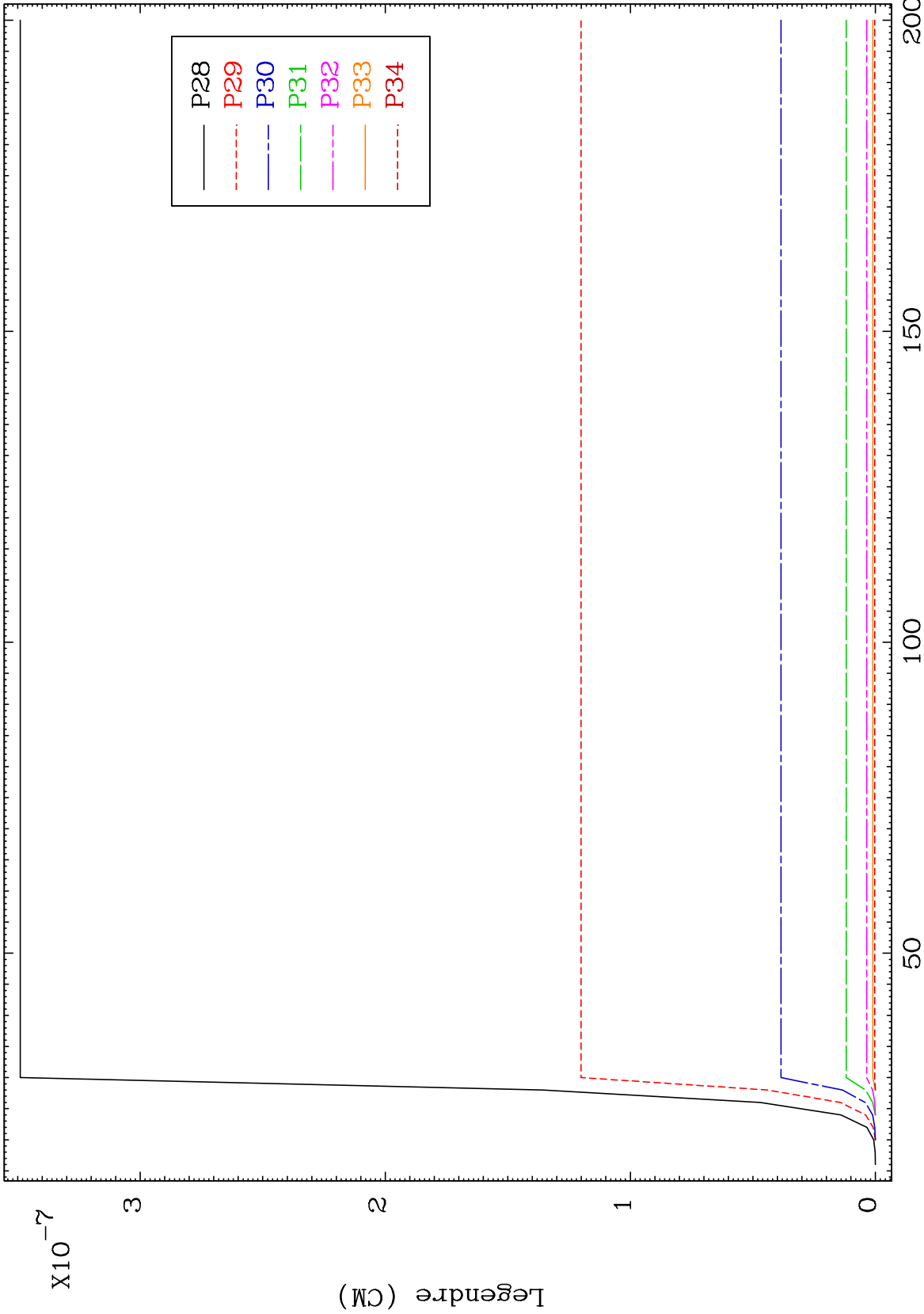
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94

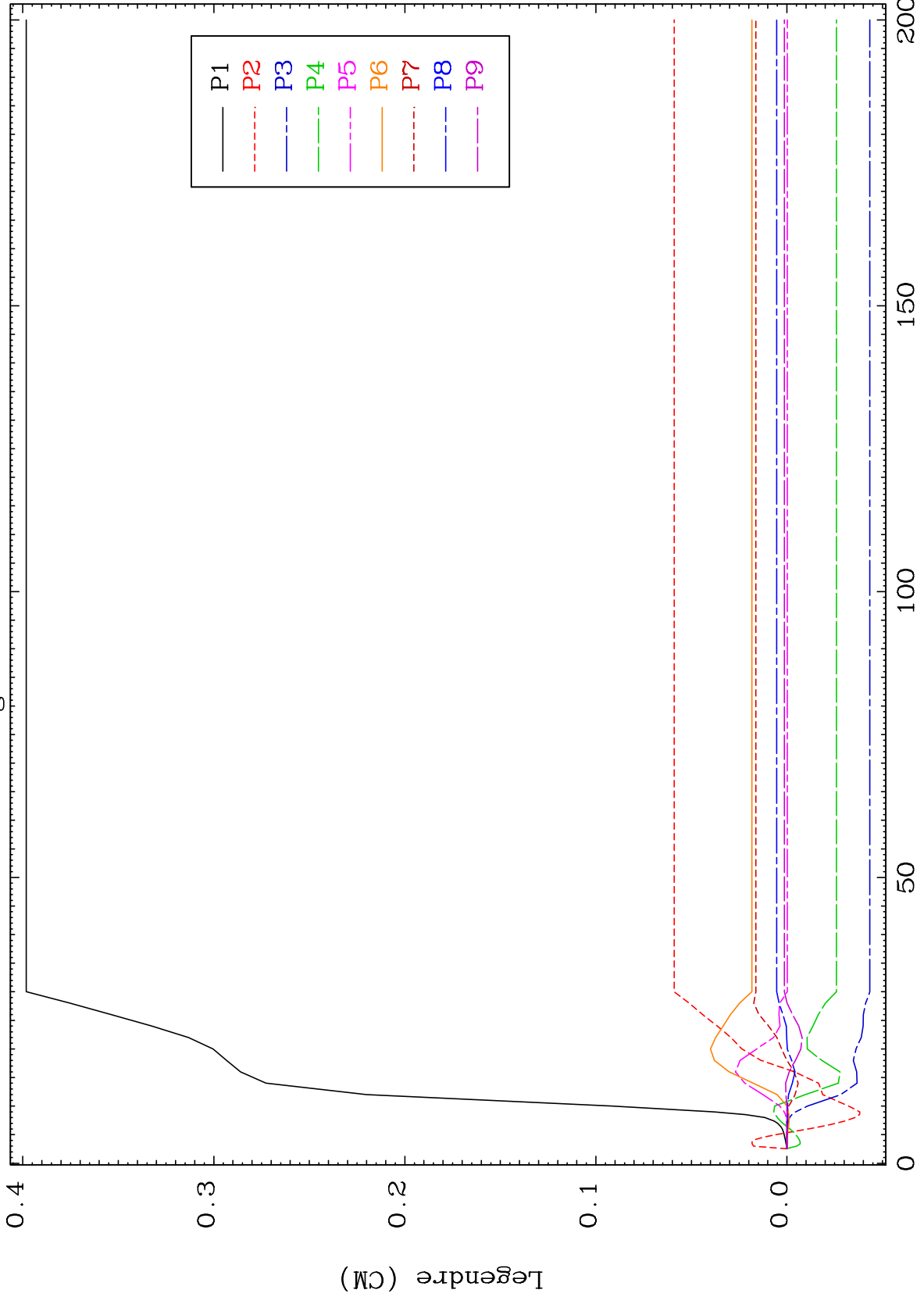


25

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 53 (n,n') Level Legendre Coefficients 44-Ru-94

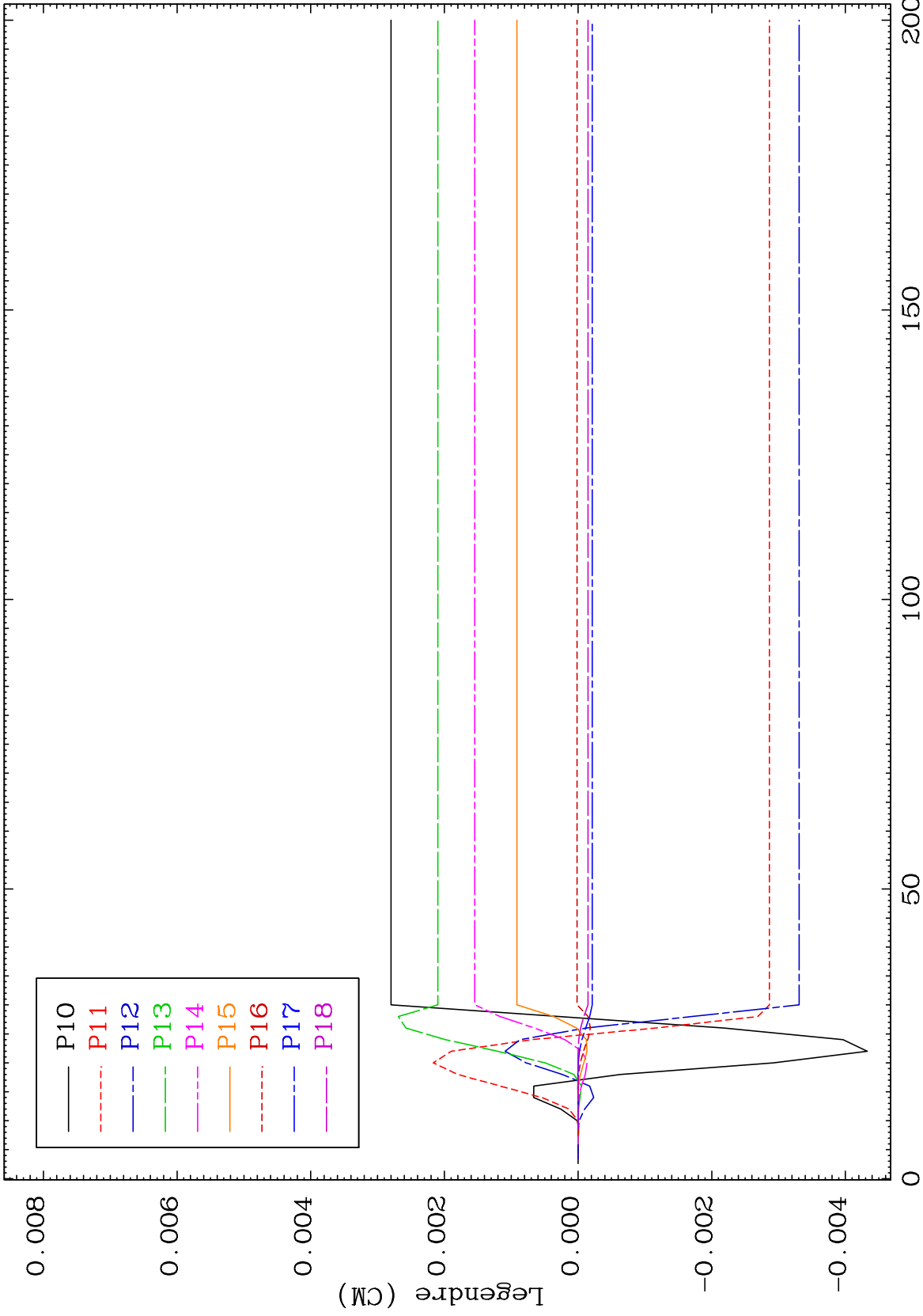


26 44-Ru-94

MAT 4419

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

44-Ru-94



27

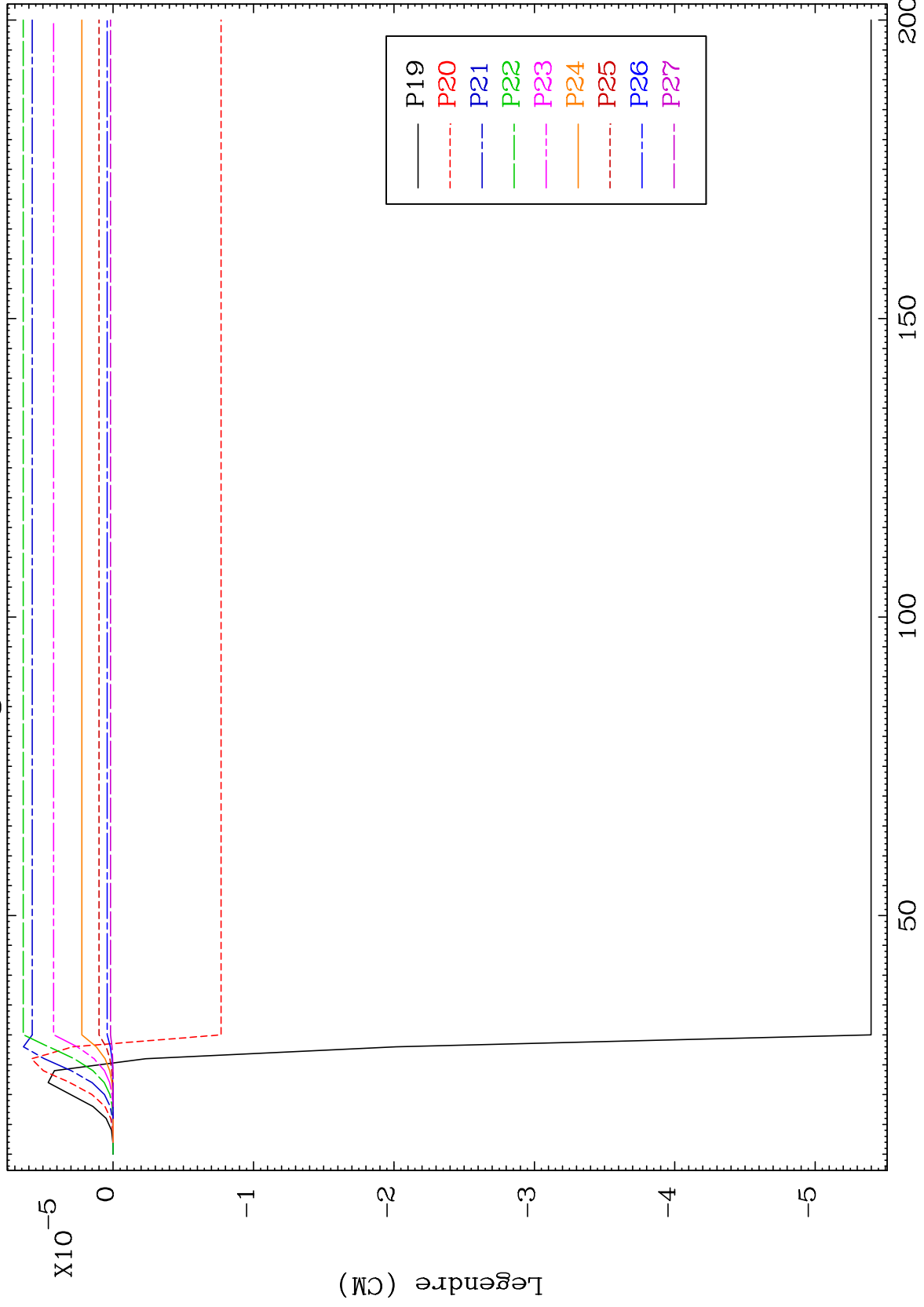
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



44-Ru-94

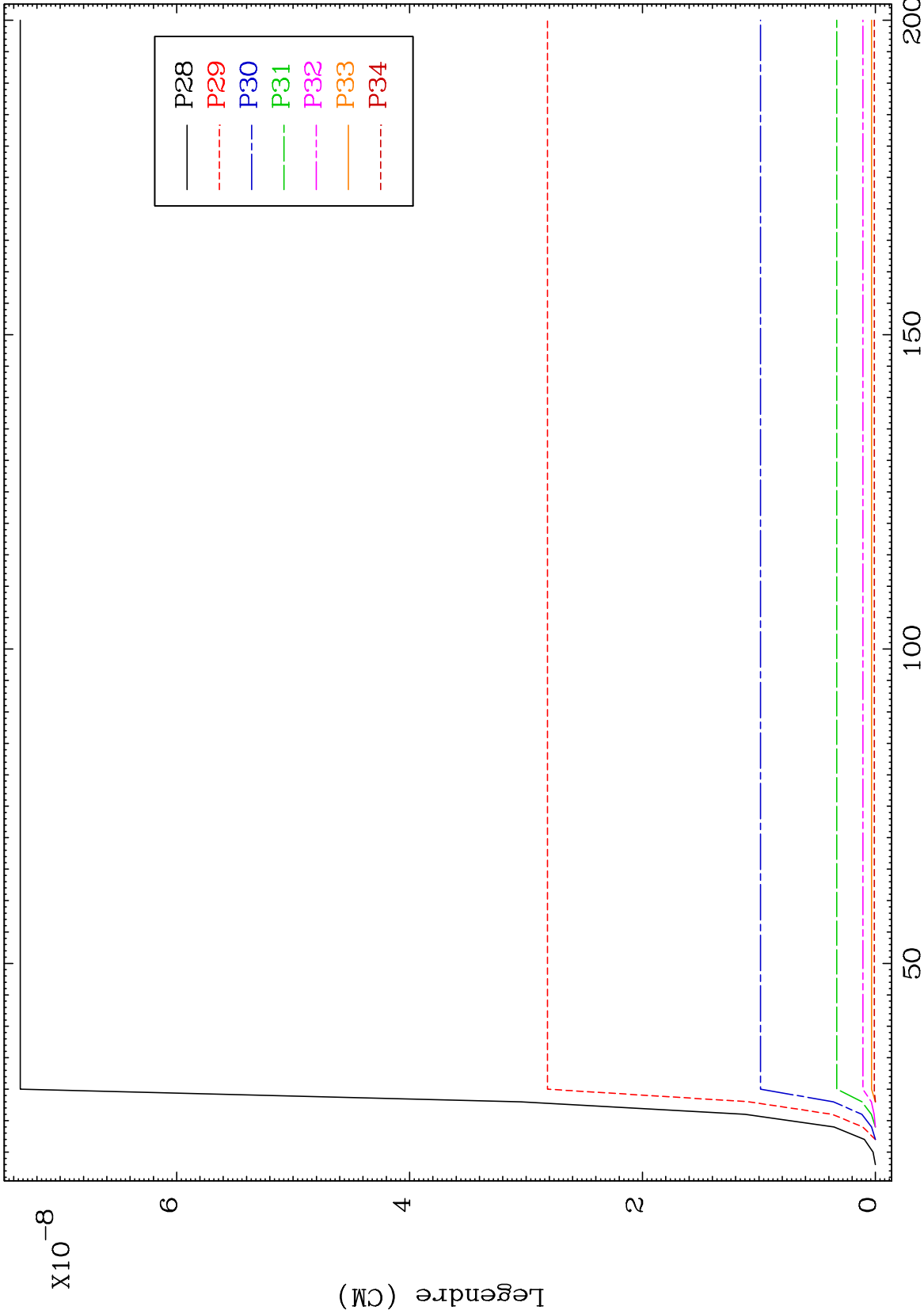
Incident Energy (MeV)

28

MAT 4419

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

44-Ru-94

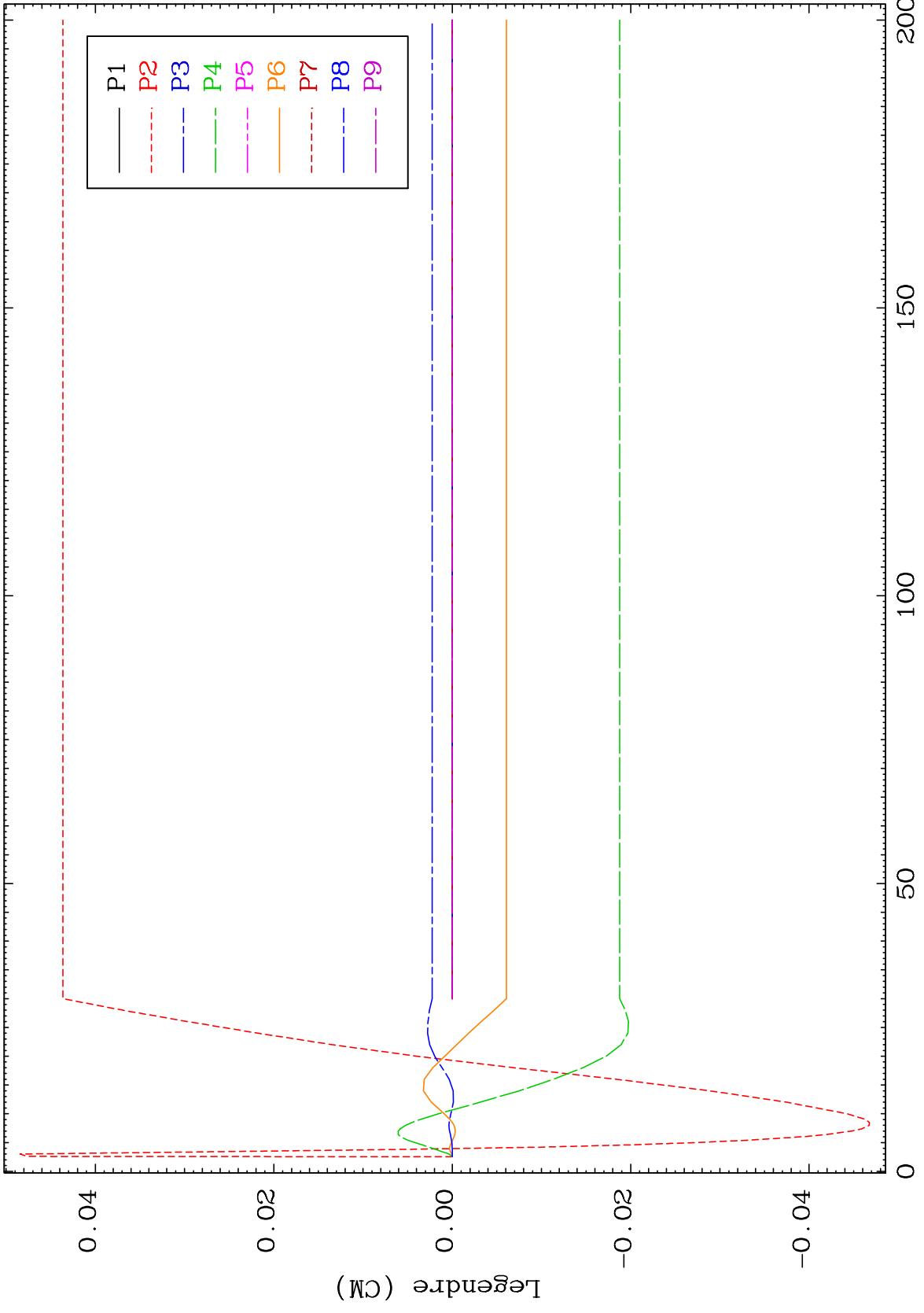


29

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 54 (n,n') Level Legendre Coefficients 44-Ru-94

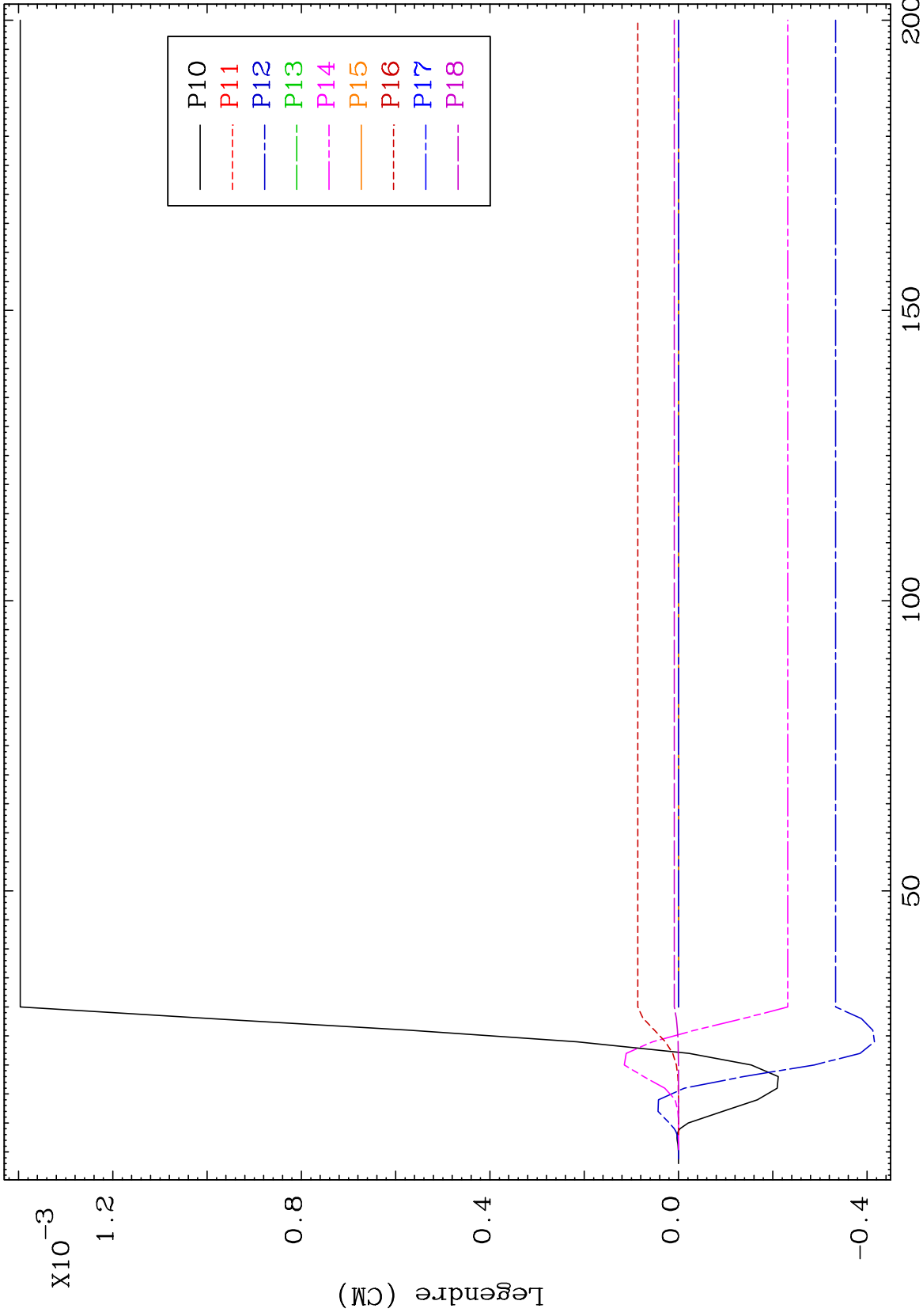


30 Incident Energy (MeV) 44-Ru-94

MAT 4419

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

44-Ru-94

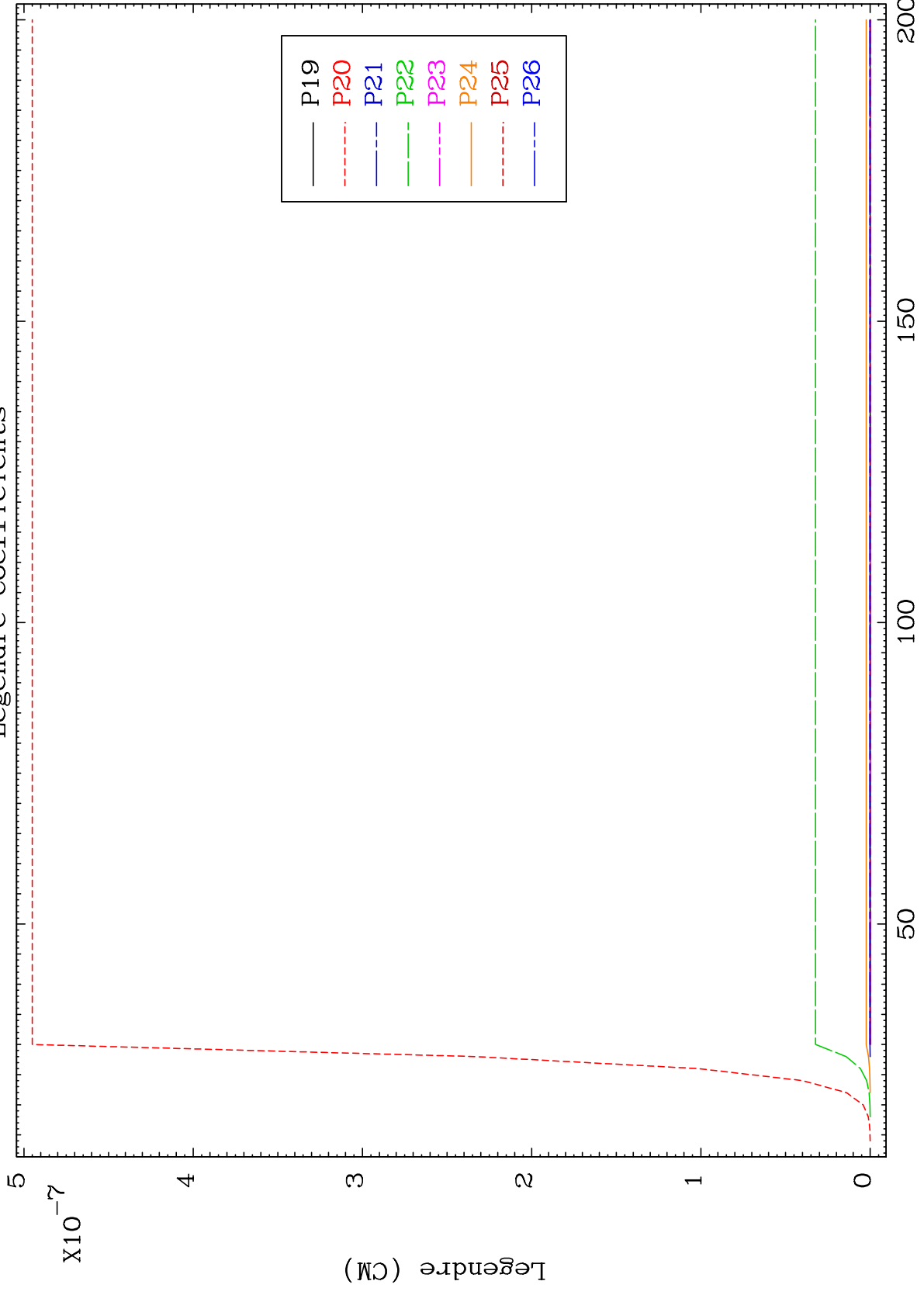


31

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 54 (n,n') Level Legendre Coefficients 44-Ru-94

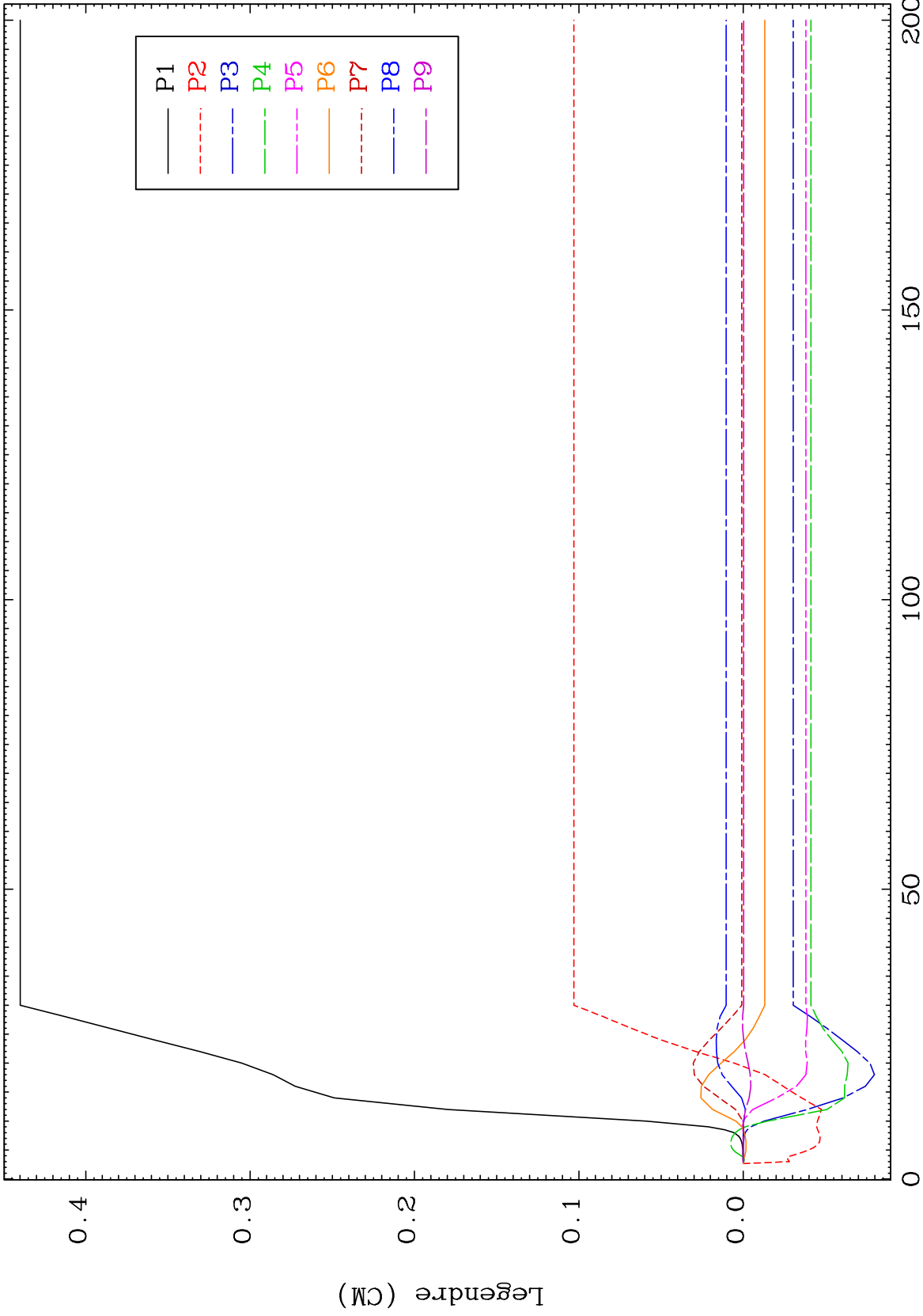


32 50 100 150 200 44-Ru-94

MAT 4419

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

44-Ru-94



33

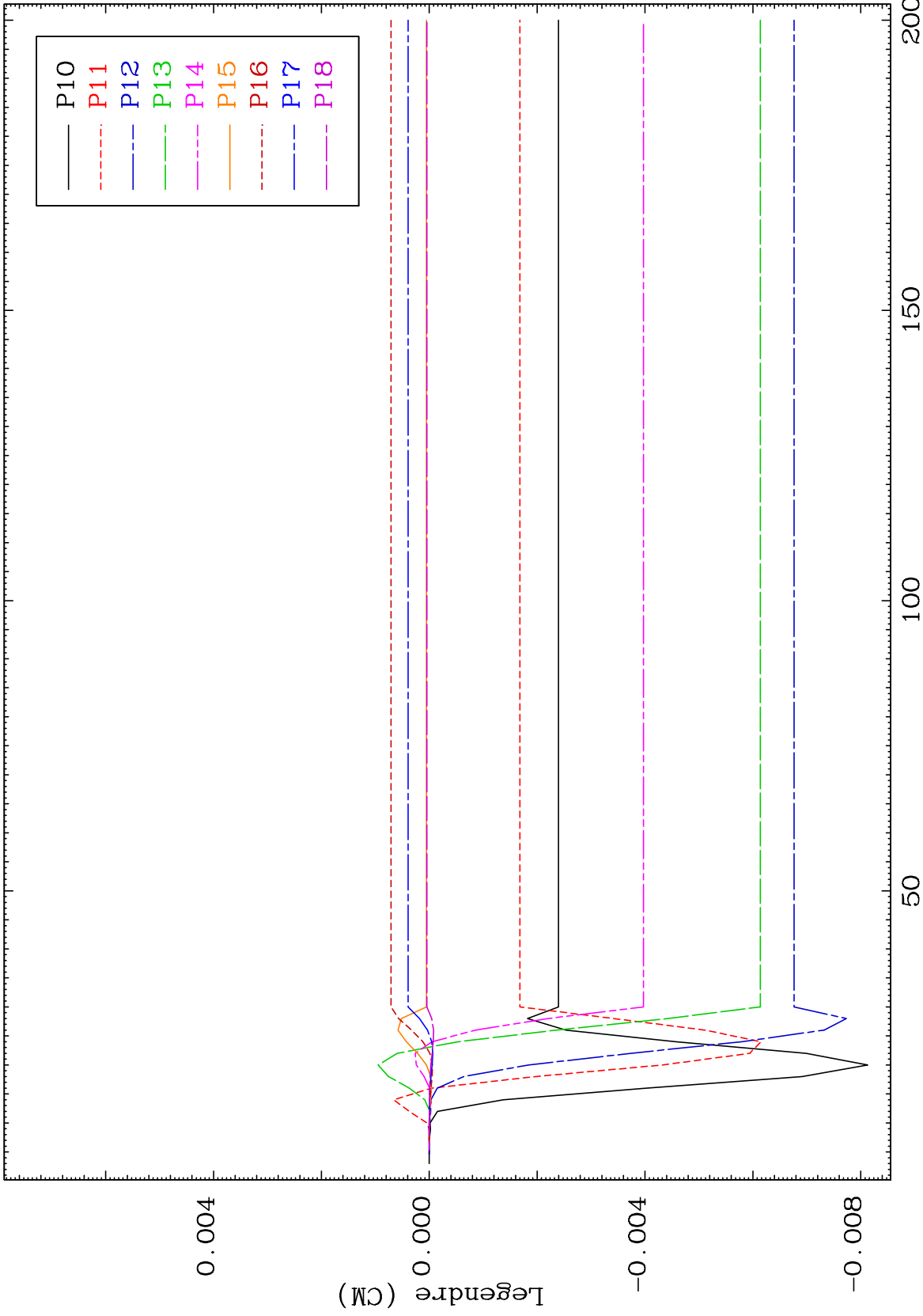
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



34

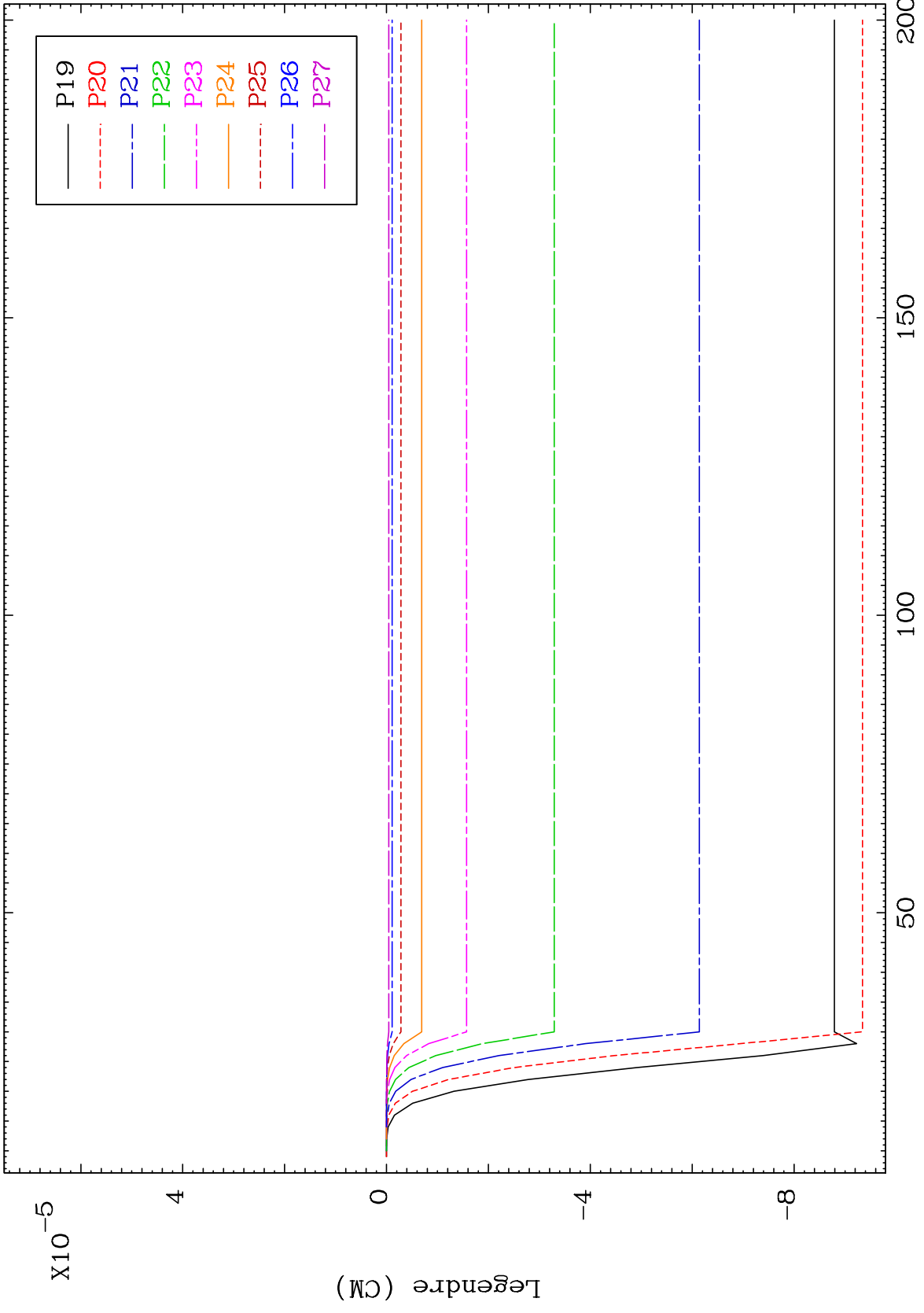
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



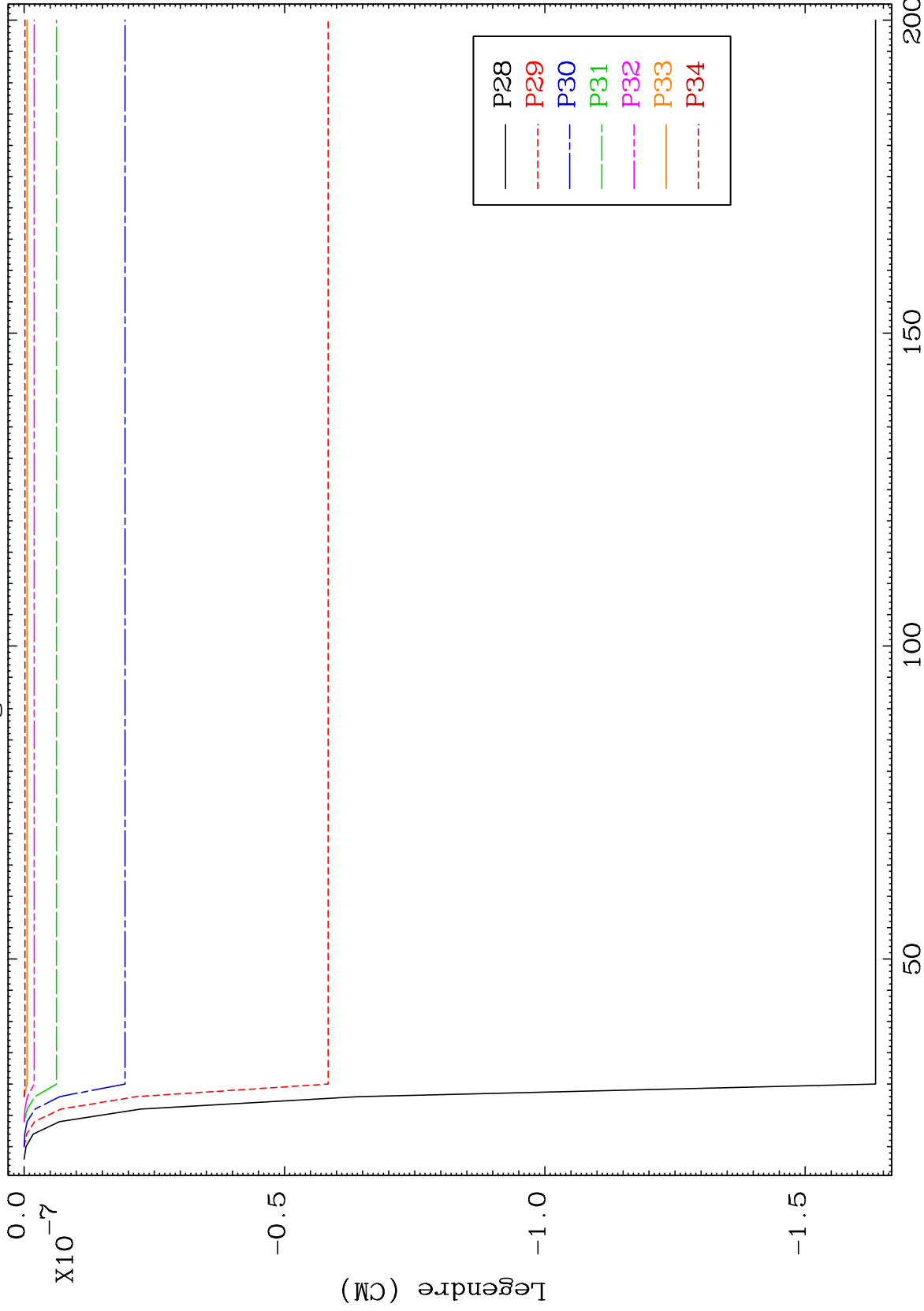
35

44-Ru-94

MAT 4419

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

44-Ru-94



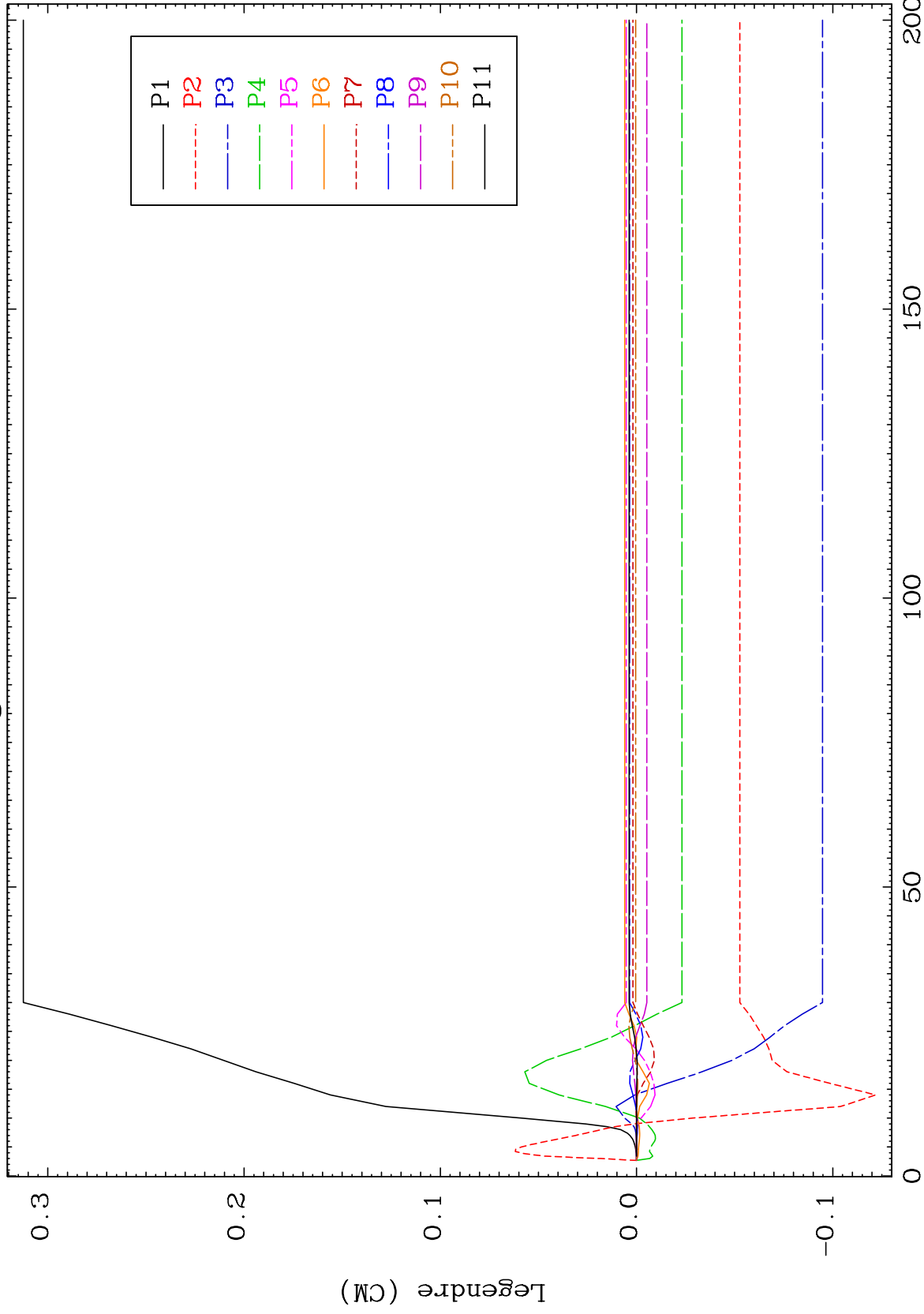
36

44-Ru-94

MAT 4419

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

44-Ru-94



37

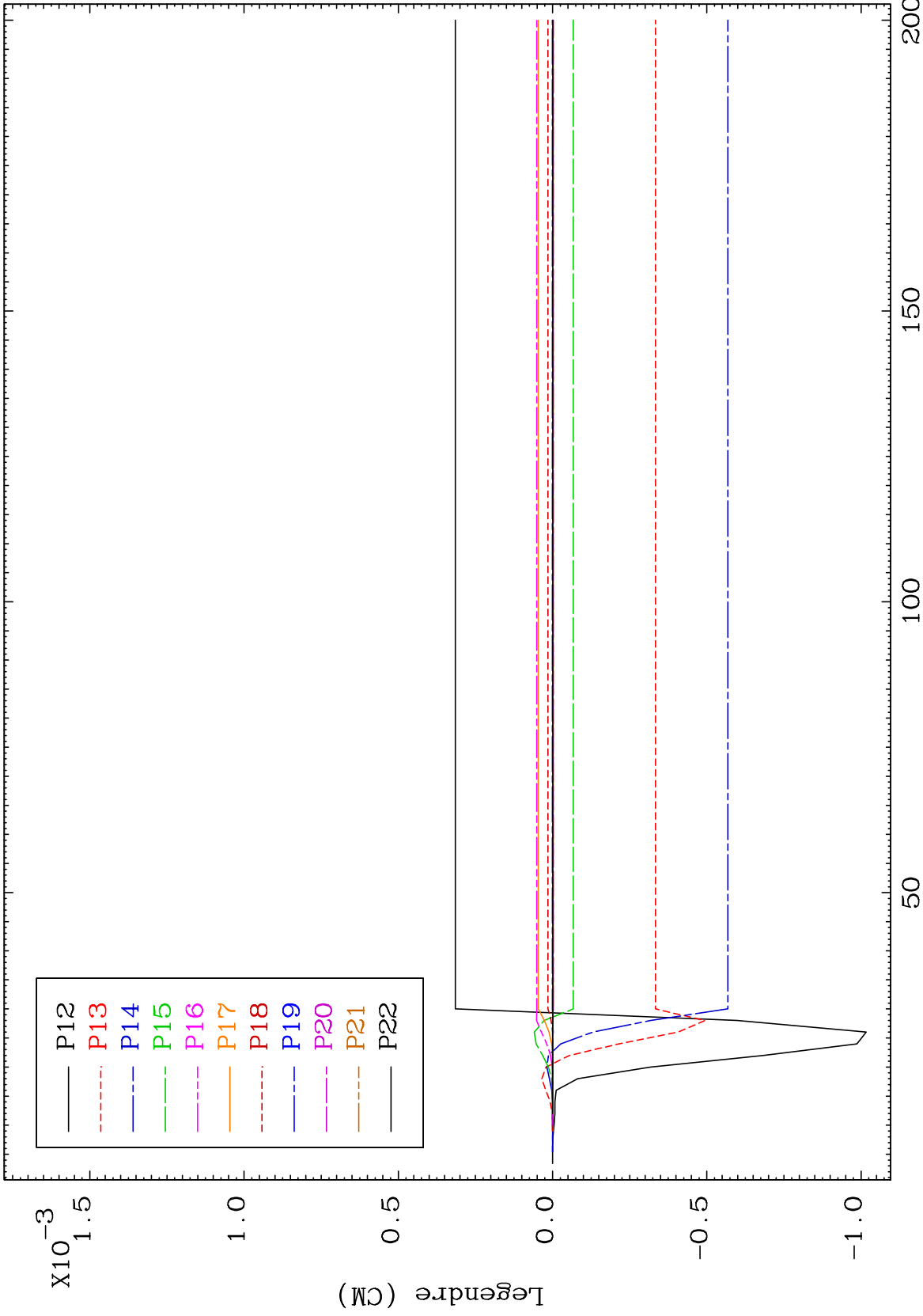
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



38

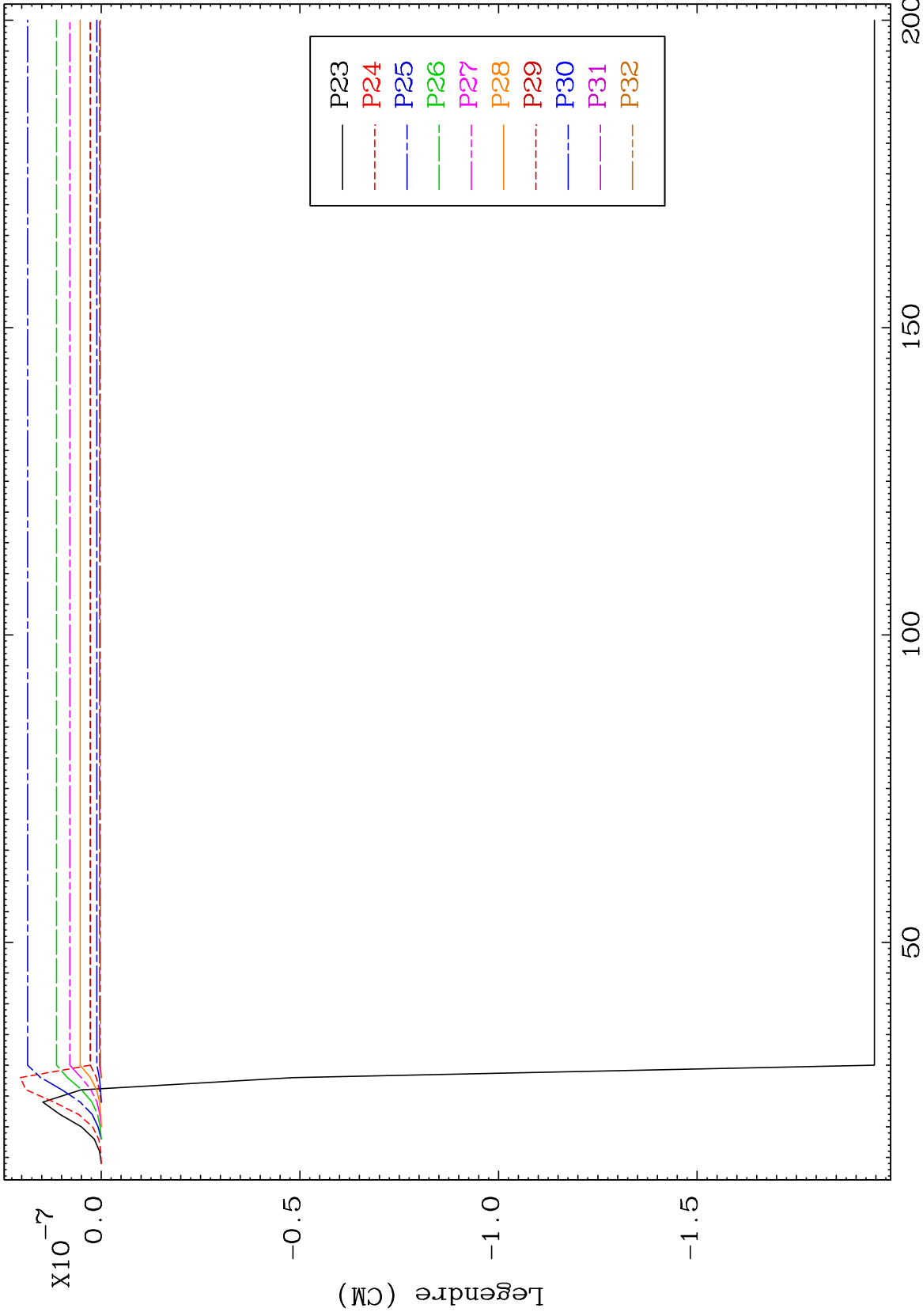
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



44-Ru-94

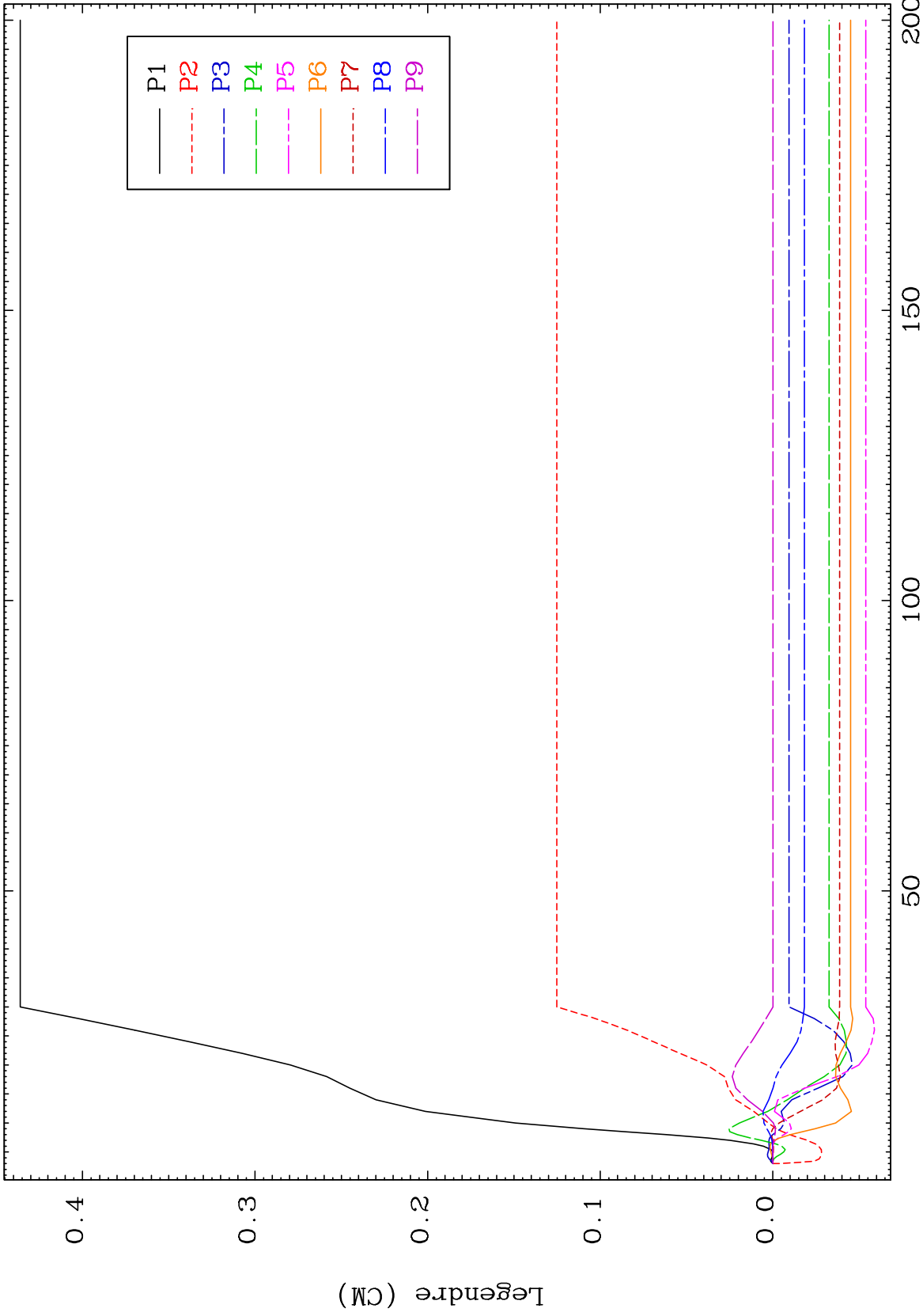
Incident Energy (MeV)

39

MAT 4419

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

44-Ru-94



40

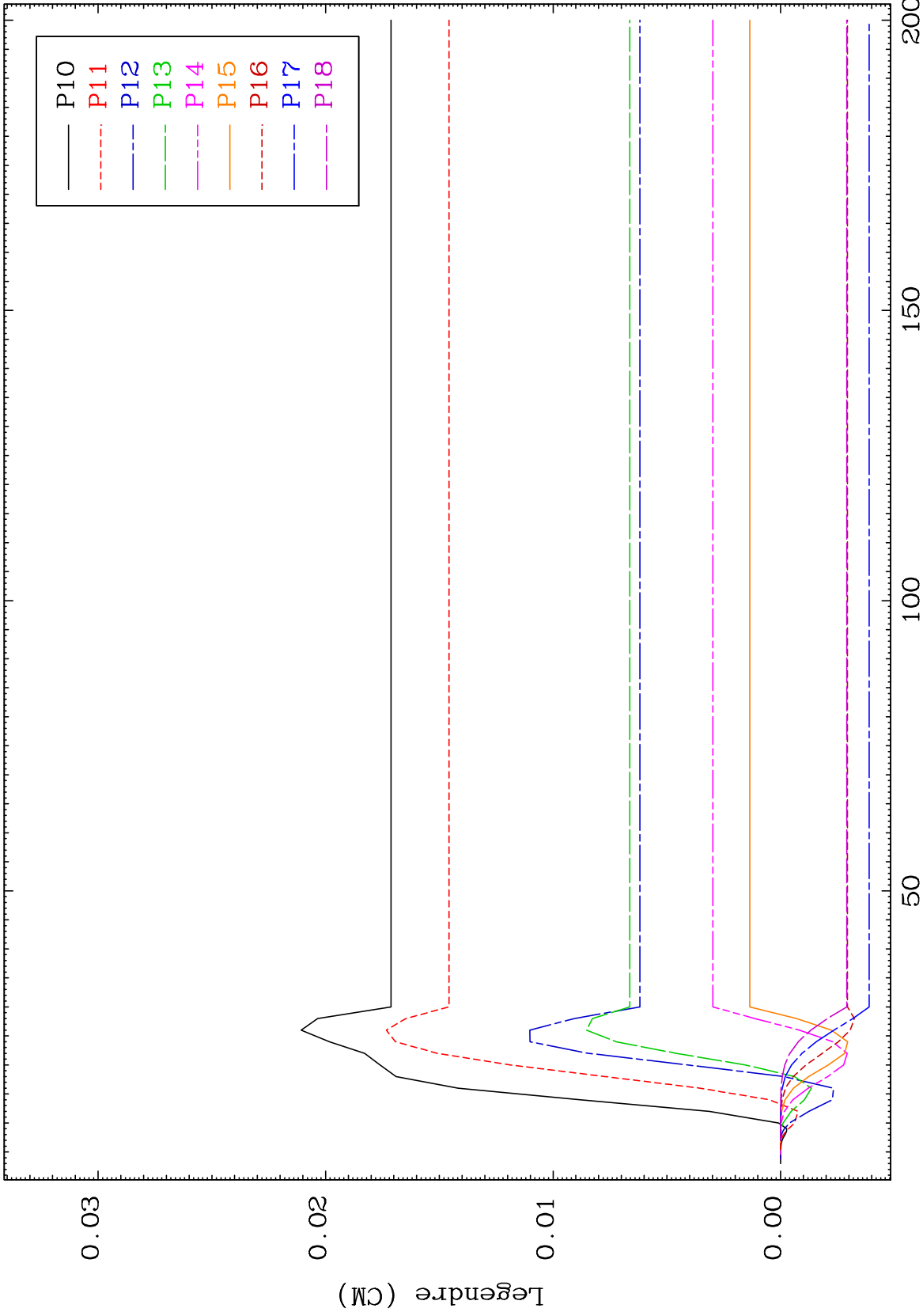
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



41

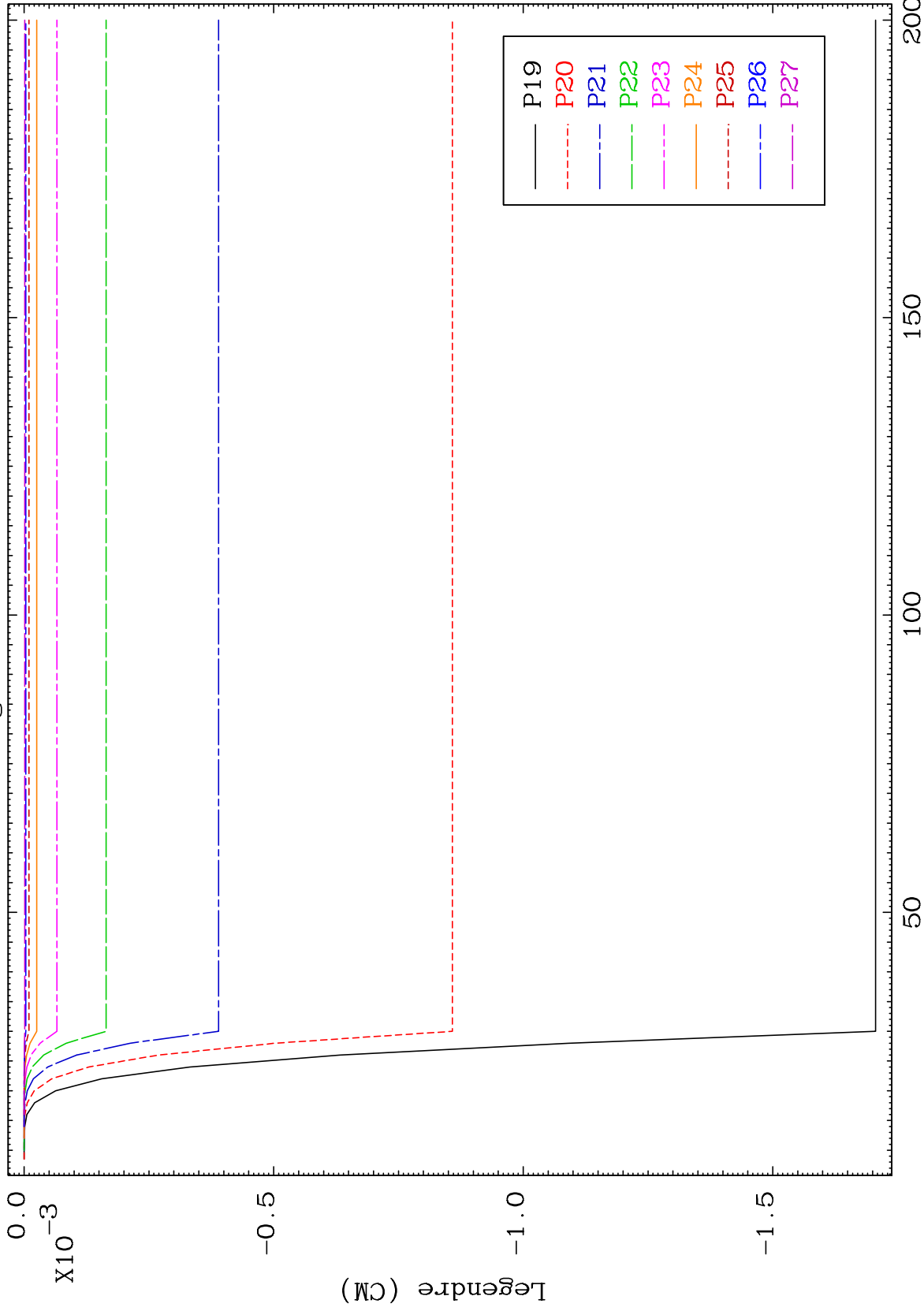
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



44-Ru-94

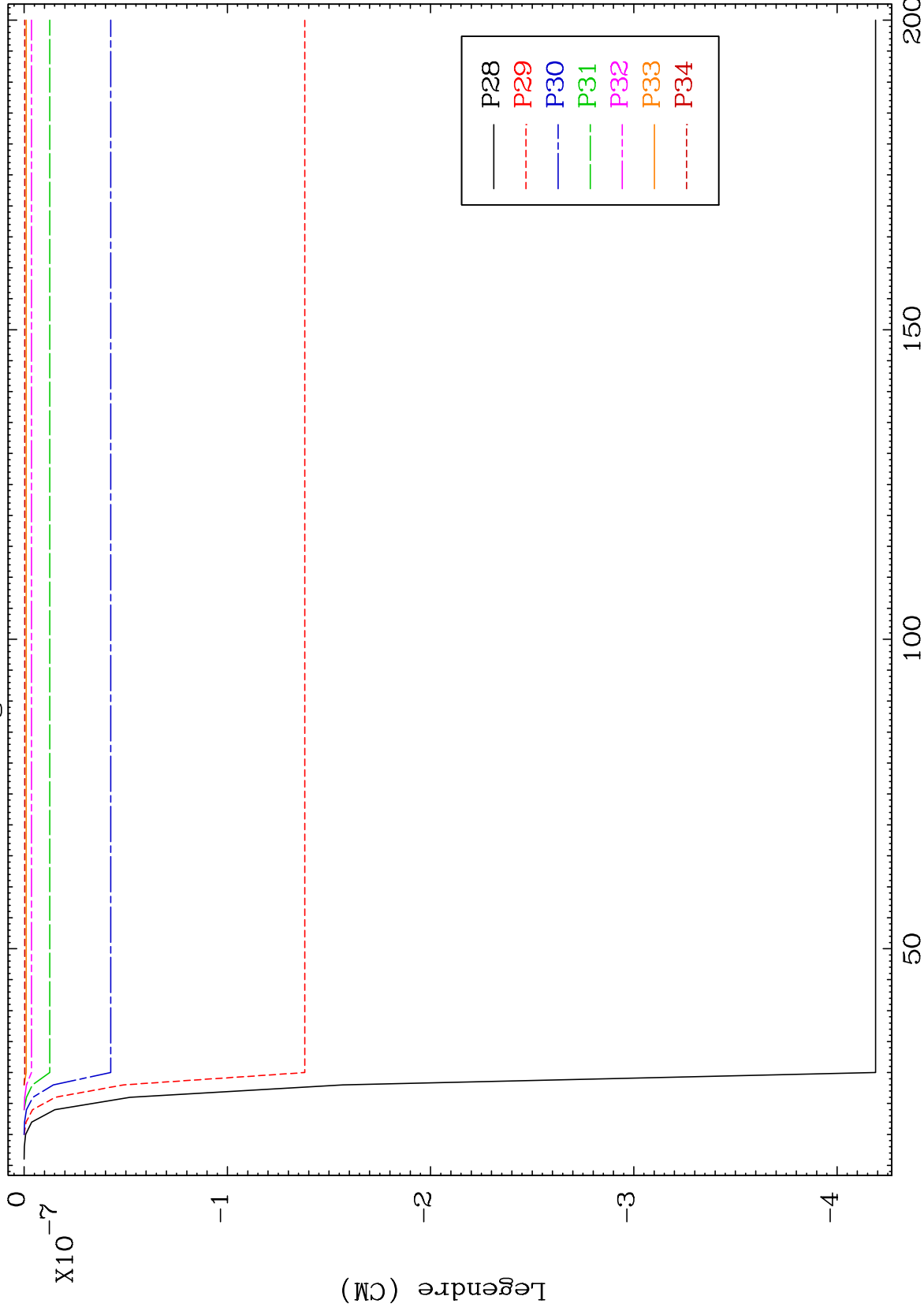
Incident Energy (MeV)

42

MAT 4419

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

44-Ru-94

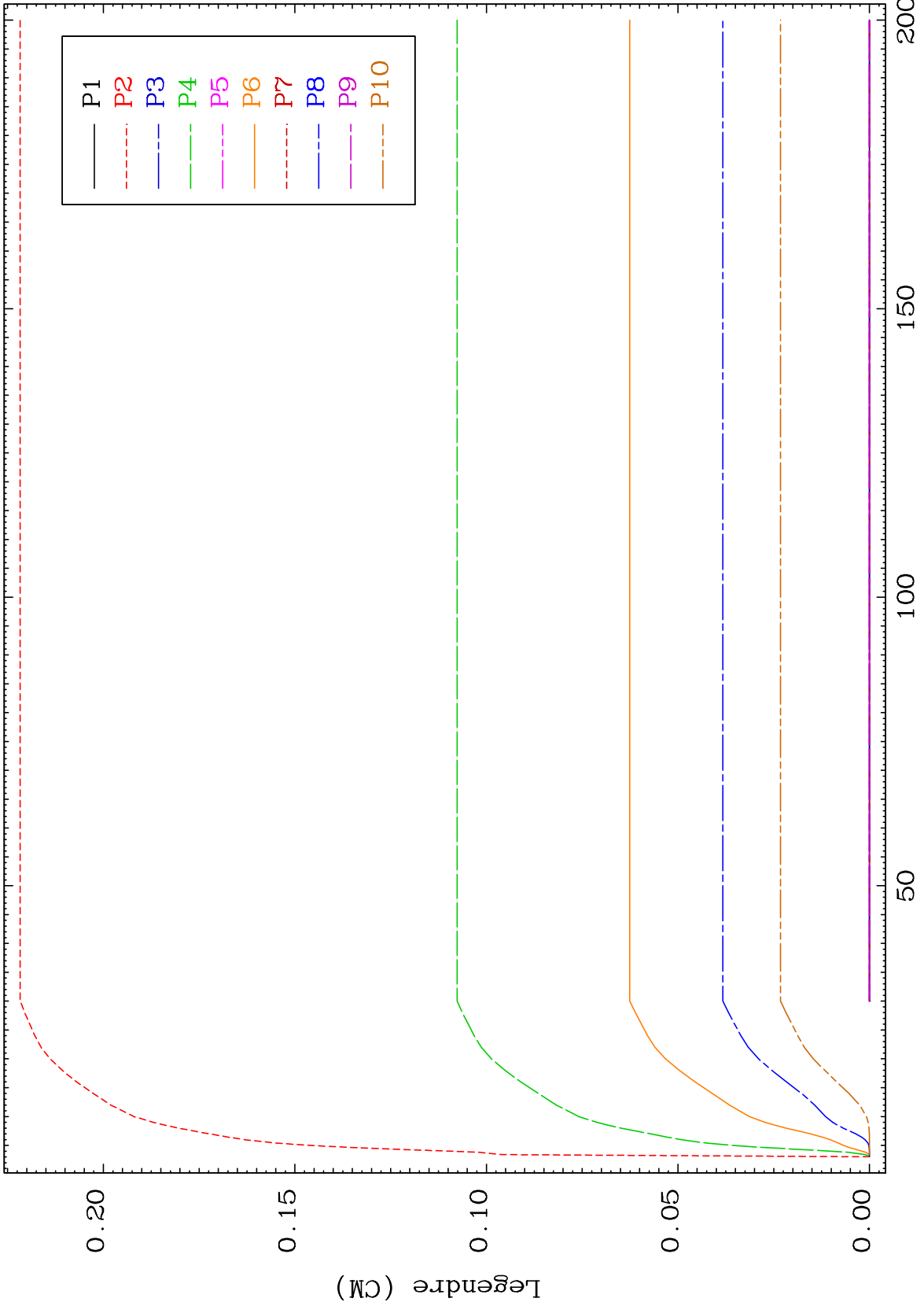


44-Ru-94

Incident Energy (MeV)

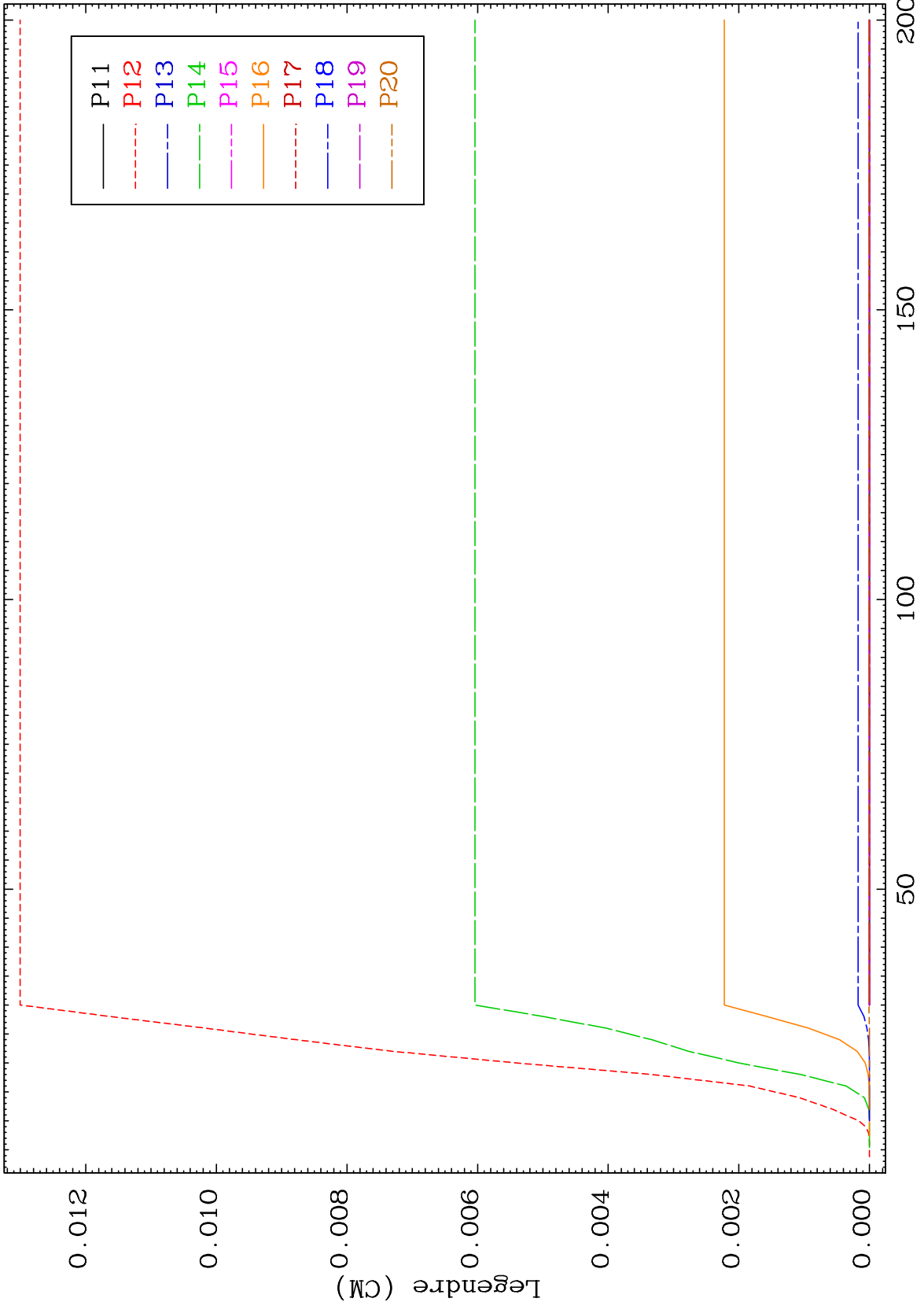
43

MAT 4419 MT= 58 (n,n') Level Legendre Coefficients 44-Ru-94



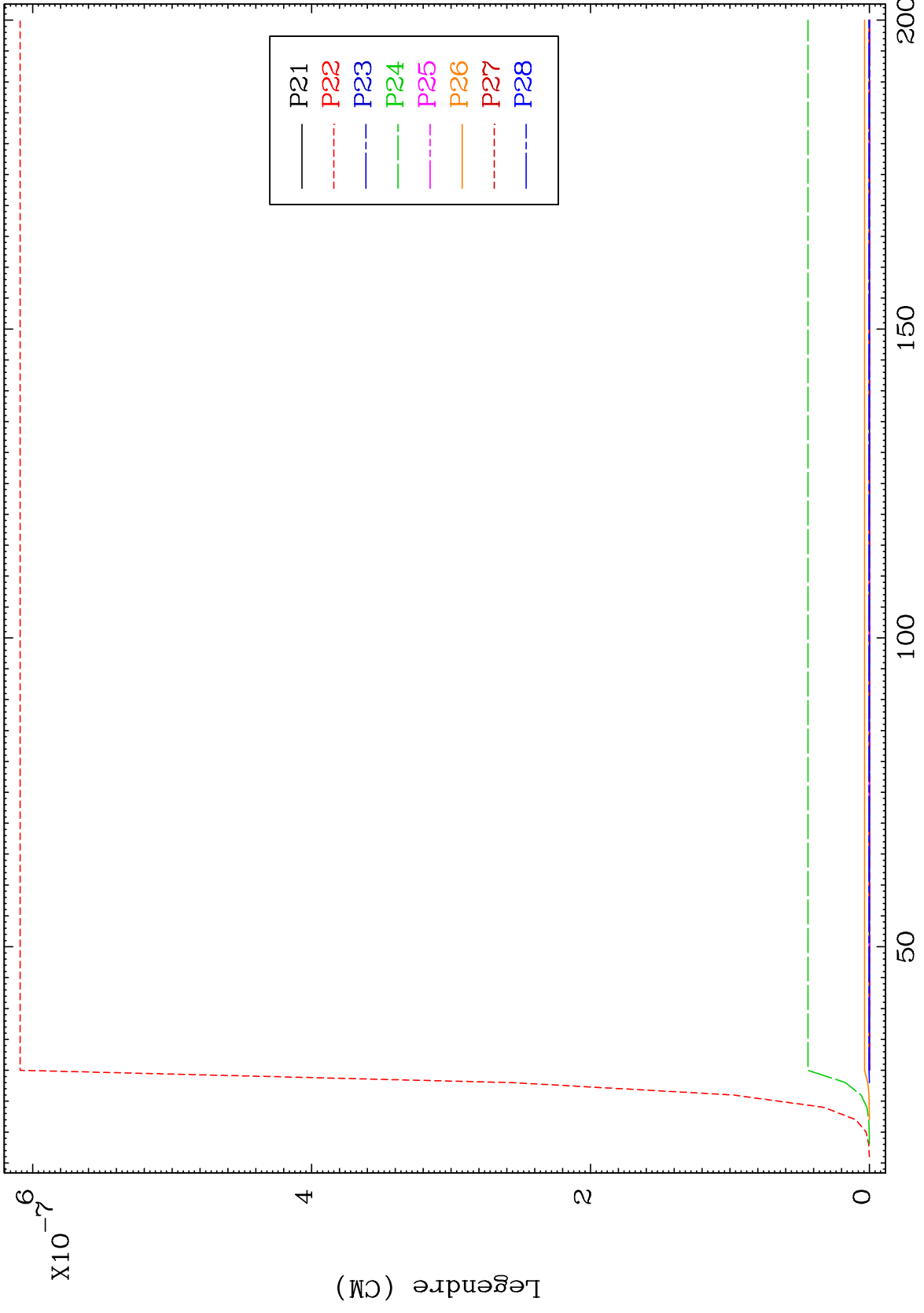
44 Incident Energy (MeV) 44-Ru-94

MAT 4419 MT= 58 (n,n') Level Legendre Coefficients 44-Ru-94



45 Incident Energy (MeV) 44-Ru-94

MAT 4419 MT= 58 (n,n') Level Legendre Coefficients 44-Ru-94

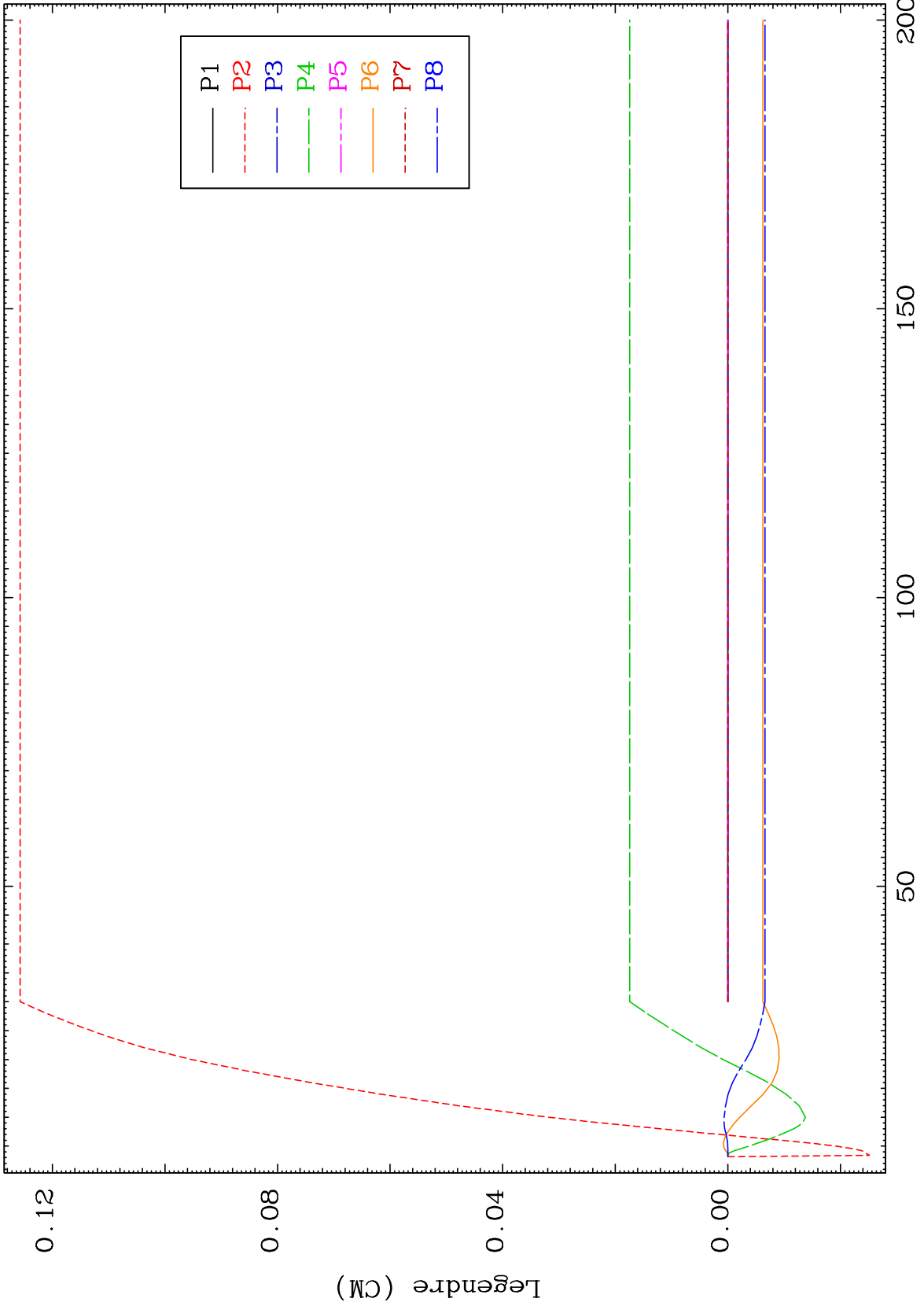


44-Ru-94

Incident Energy (MeV)

46

MAT 4419 MT= 59 (n,n') Level Legendre Coefficients 44-Ru-94

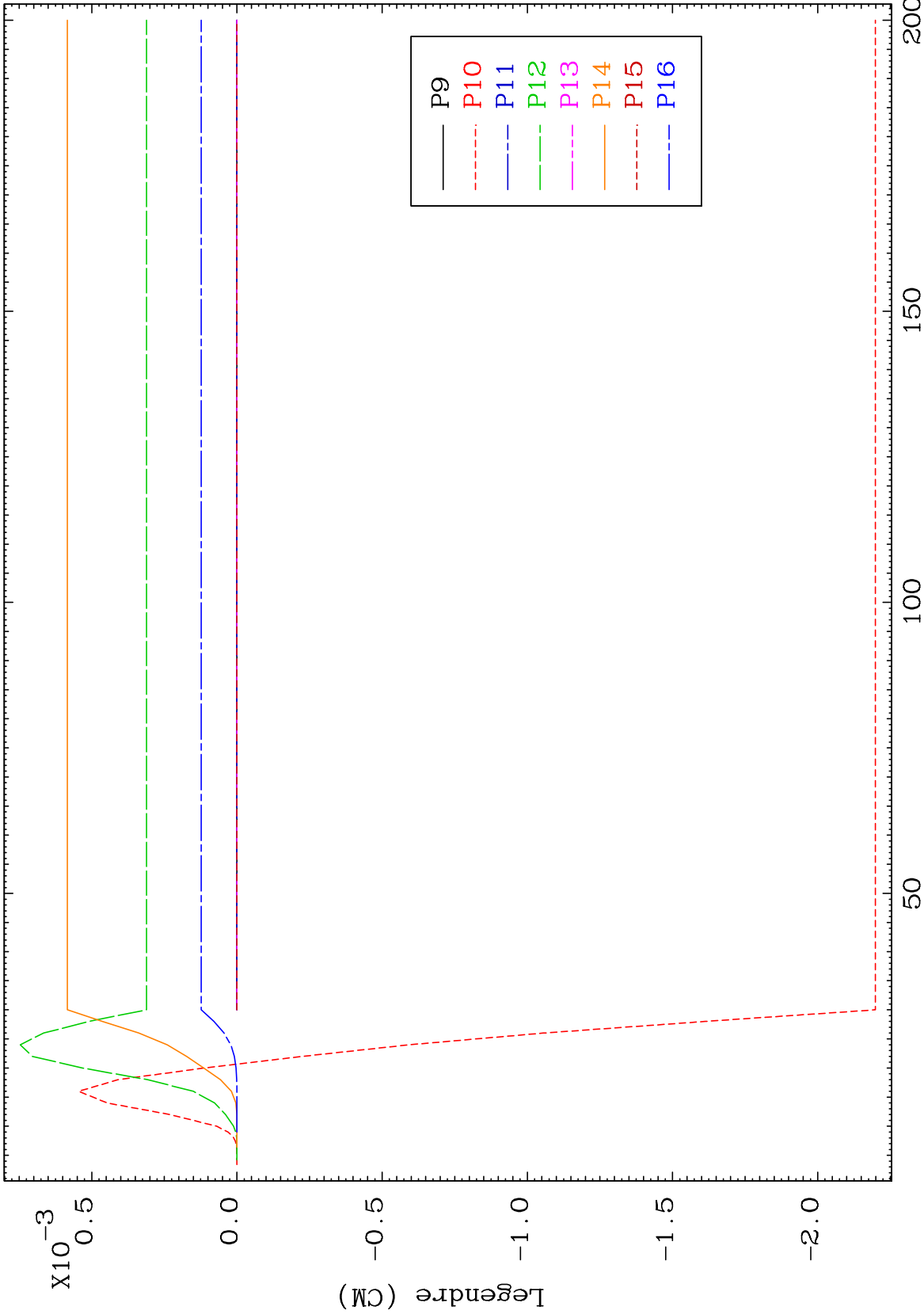


47 Incident Energy (MeV) 44-Ru-94

MAT 4419

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

44-Ru-94

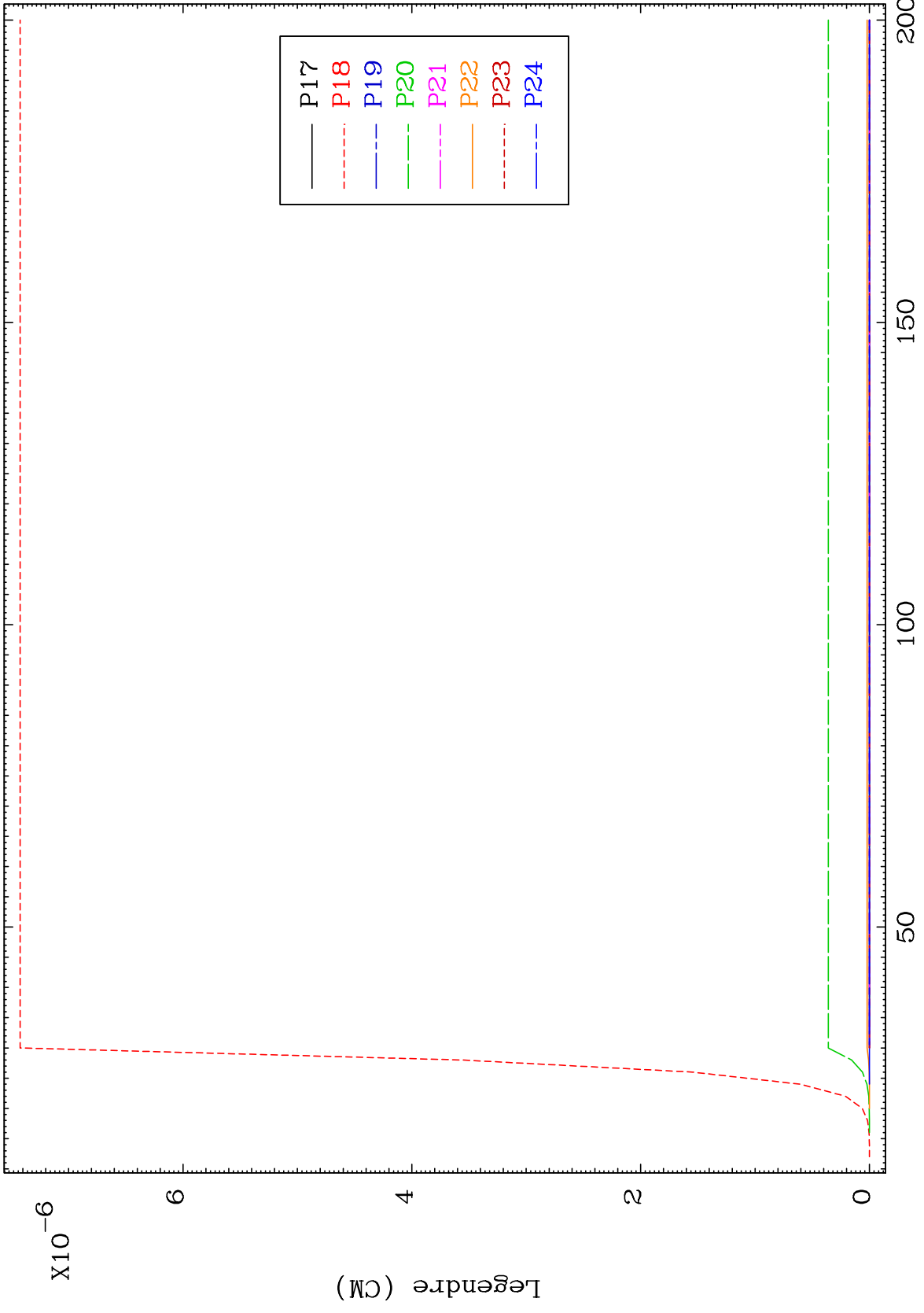


48

Incident Energy (MeV)

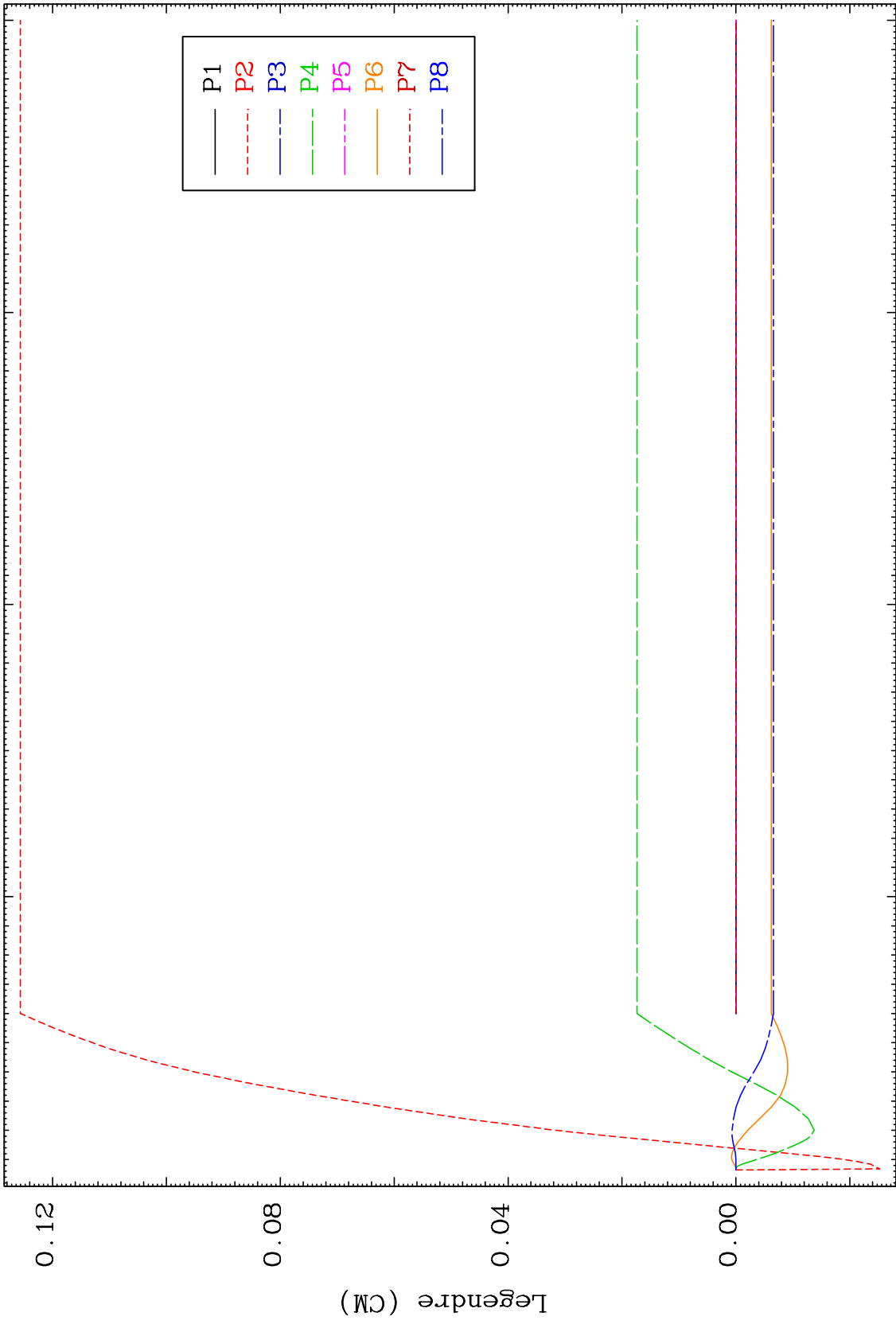
44-Ru-94

MAT 4419 MT= 59 (n,n') Level Legendre Coefficients 44-Ru-94



49 50 100 150 200 Incident Energy (MeV) 44-Ru-94

MAT 4419 MT= 60 (n,n') Level Legendre Coefficients 44-Ru-94

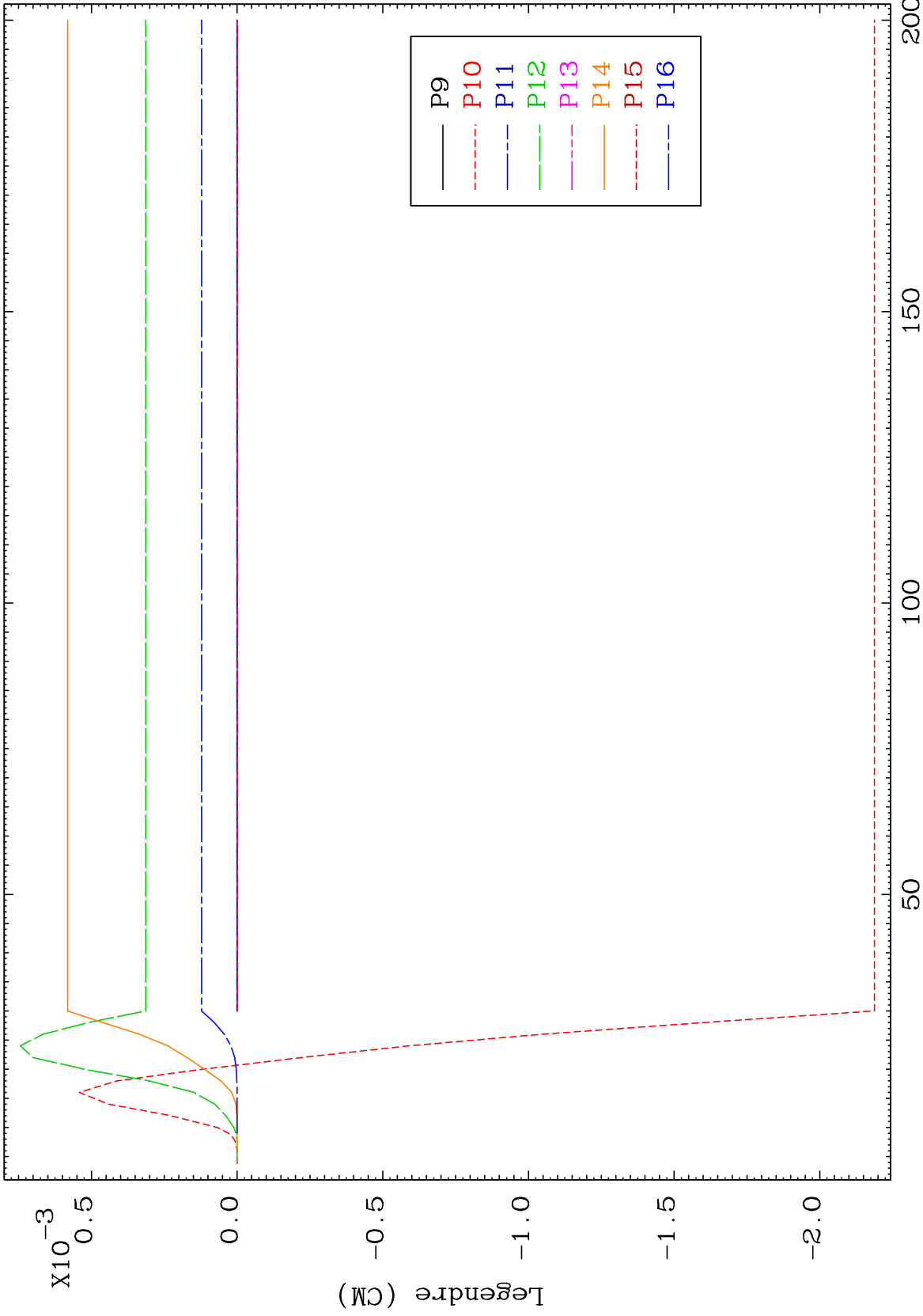


Incident Energy (MeV) 44-Ru-94

MAT 4419

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

44-Ru-94

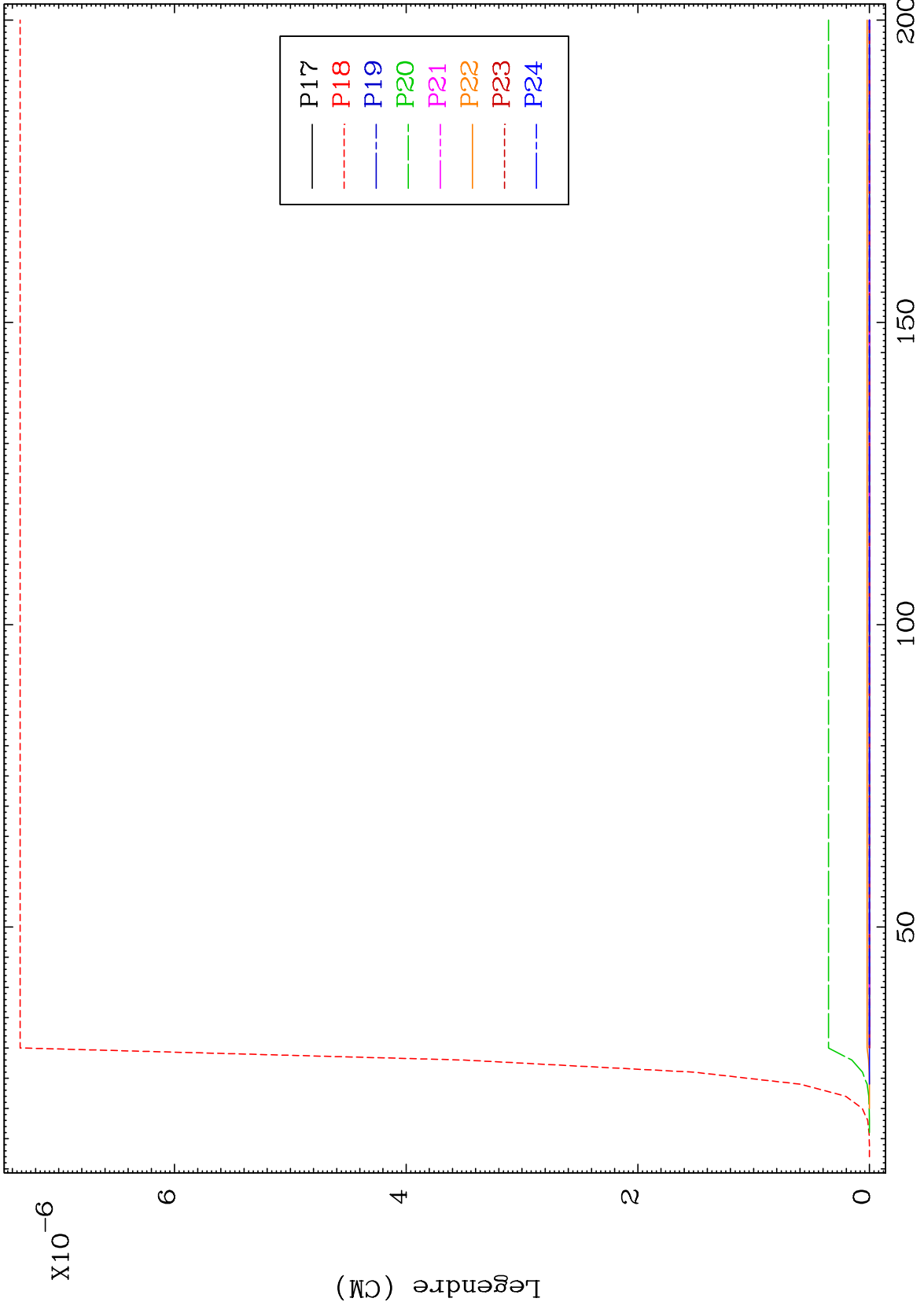


51

Incident Energy (MeV)

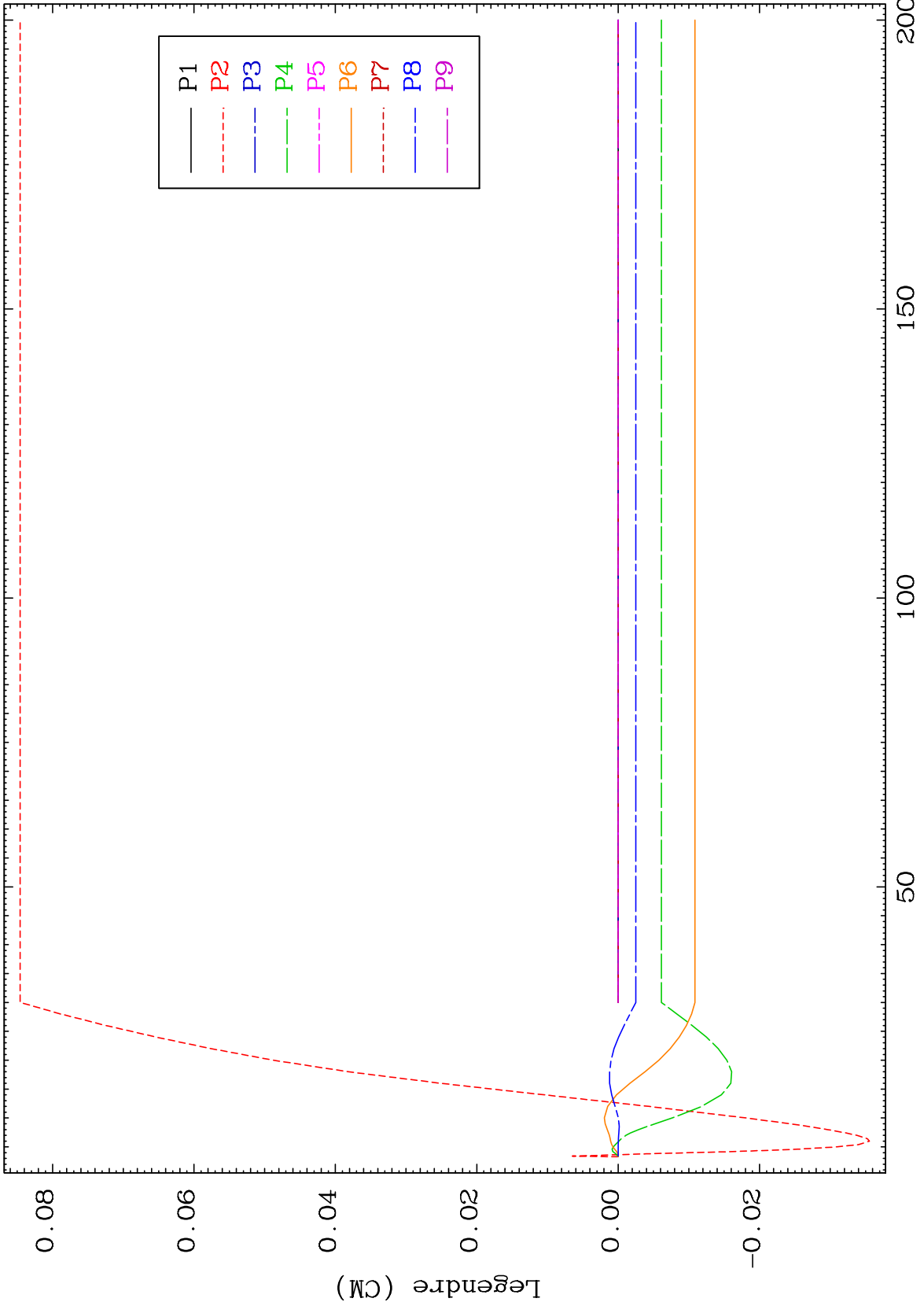
44-Ru-94

MAT 4419 MT= 60 (n,n') Level Legendre Coefficients 44-Ru-94



52 Incident Energy (MeV) 44-Ru-94

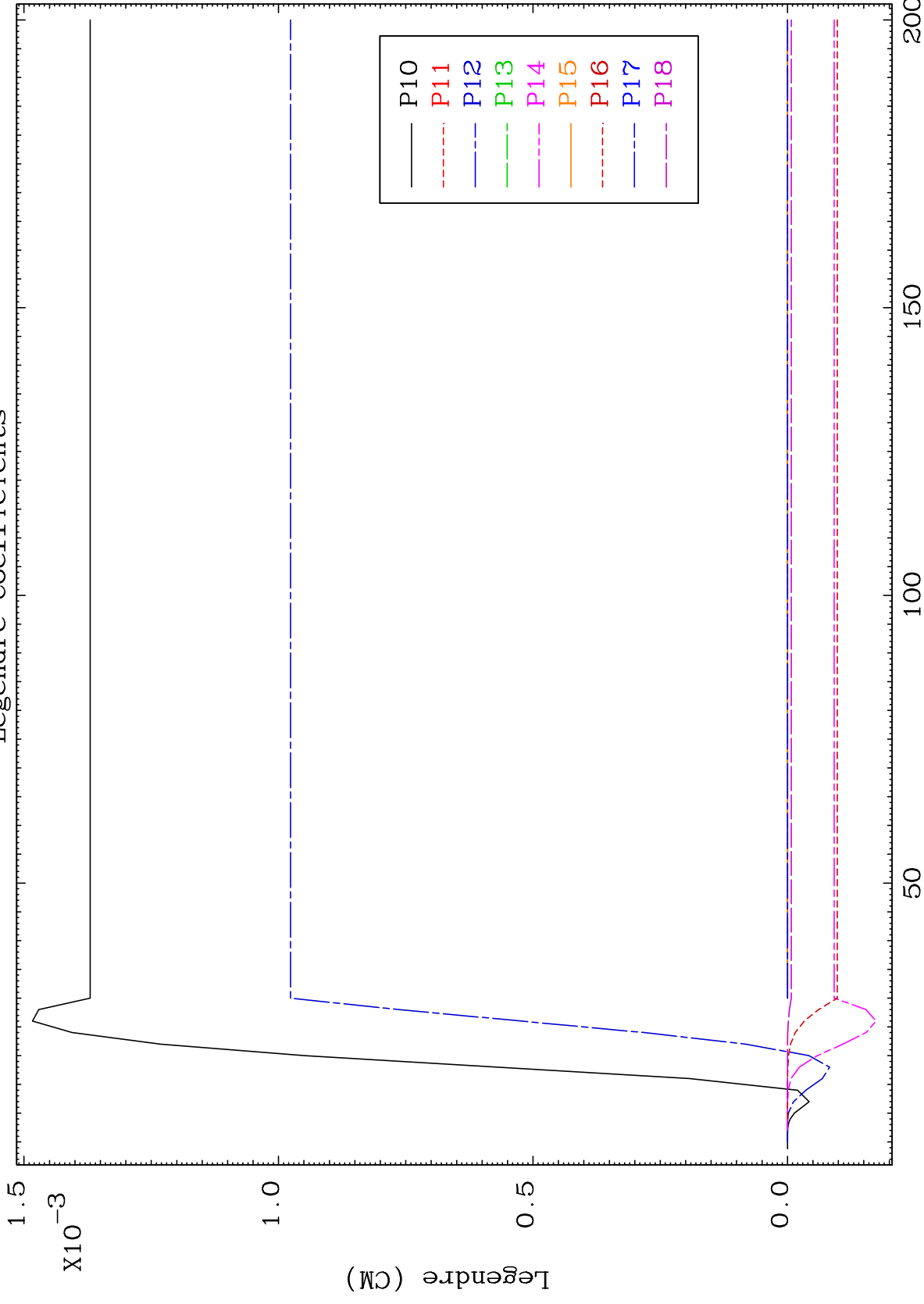
MAT 4419 MT= 61 (n,n') Level Legendre Coefficients 44-Ru-94



MAT 4419

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

44-Ru-94

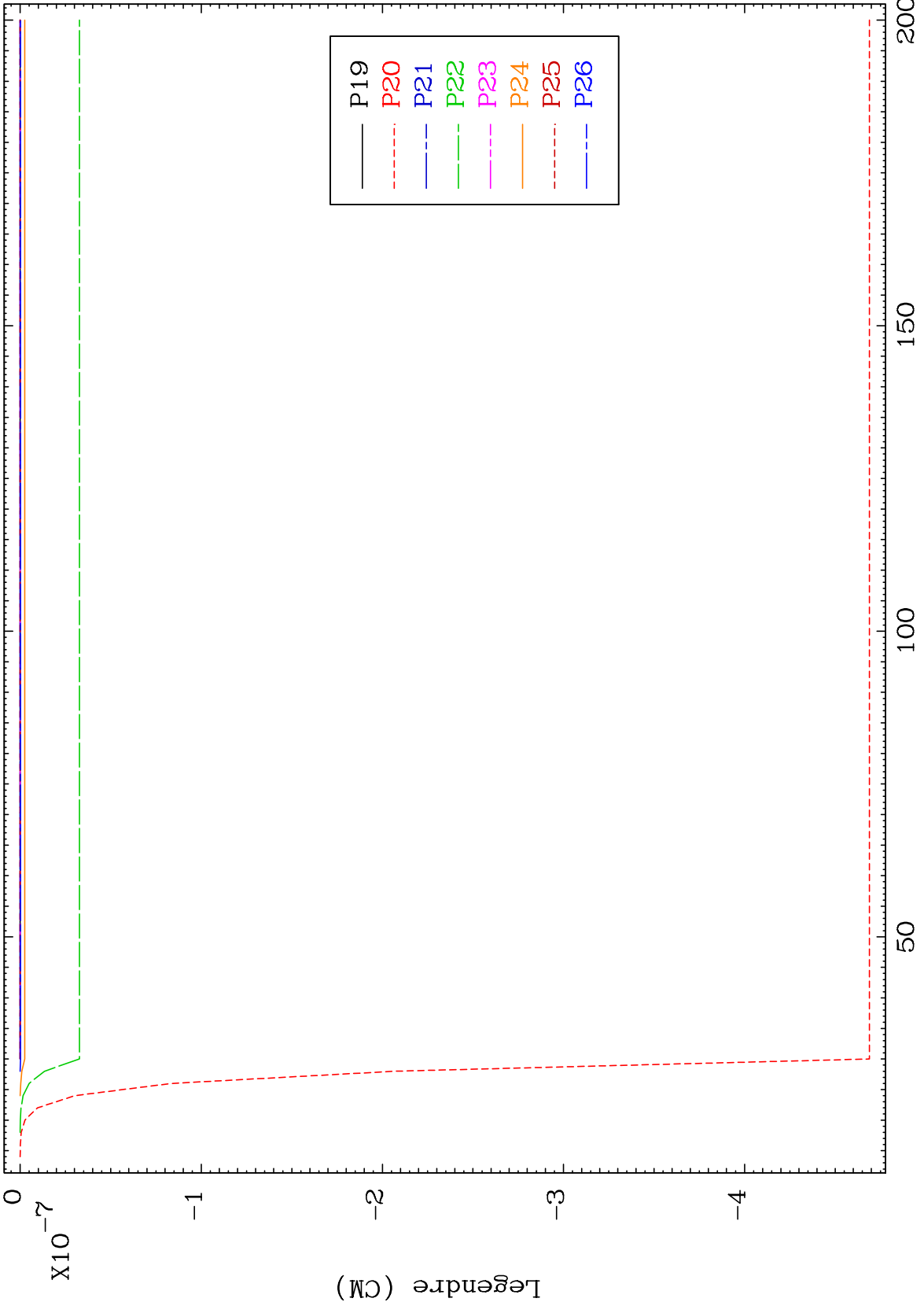


54

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 61 (n,n') Level Legendre Coefficients 44-Ru-94

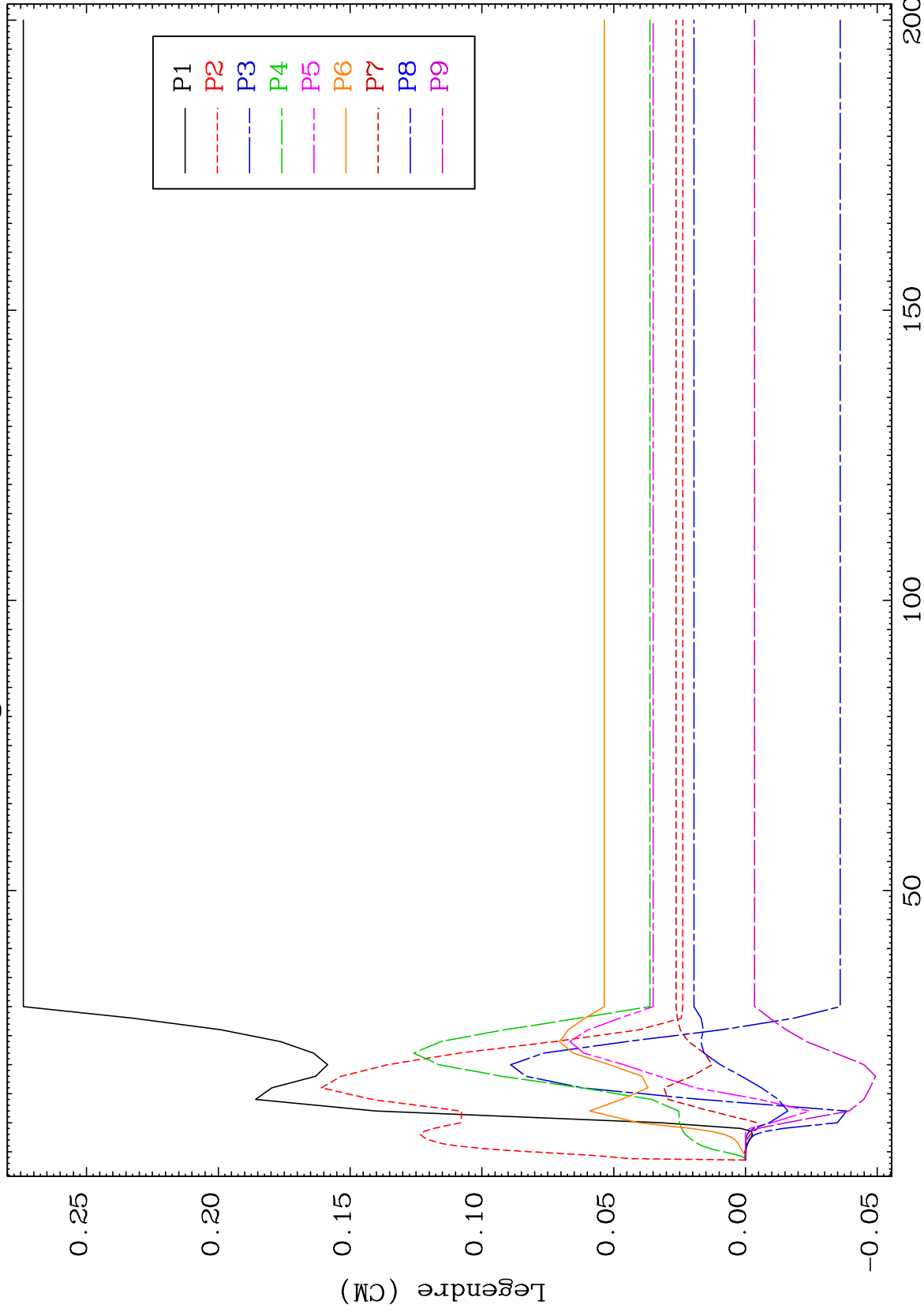


55 Incident Energy (MeV) 44-Ru-94

MAT 4419

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

44-Ru-94



56

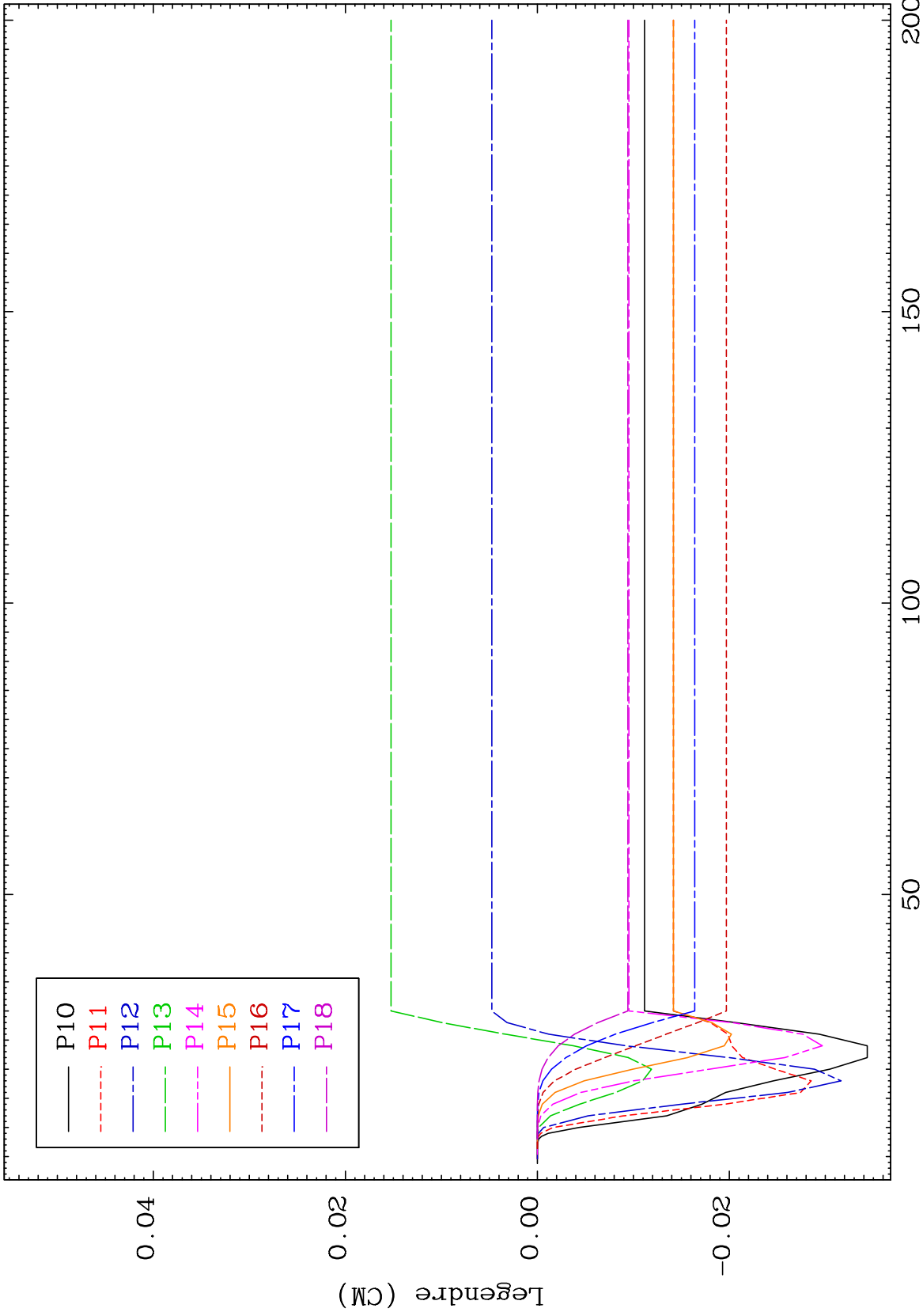
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94

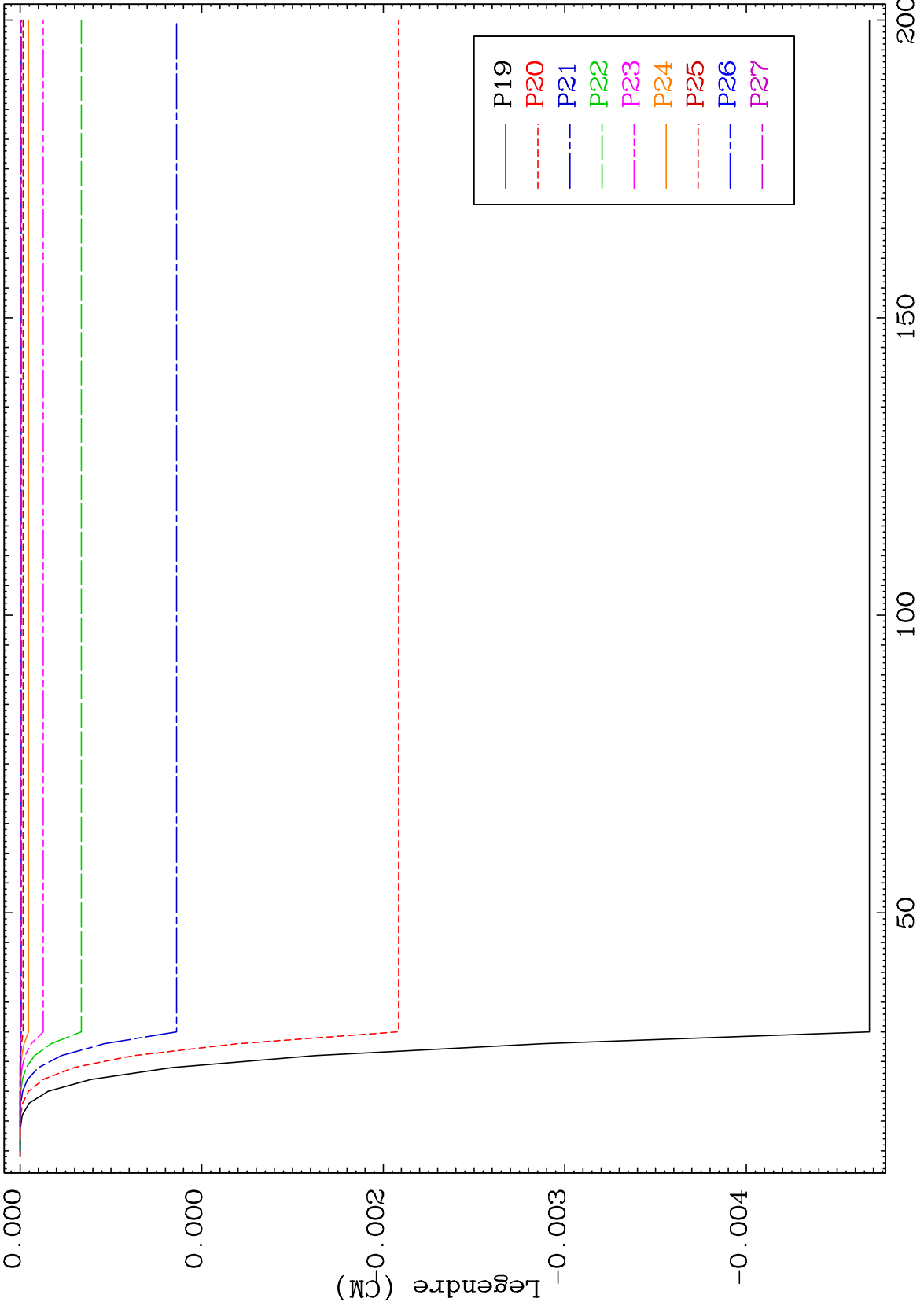


57

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 62 (n,n') Level Legendre Coefficients 44-Ru-94

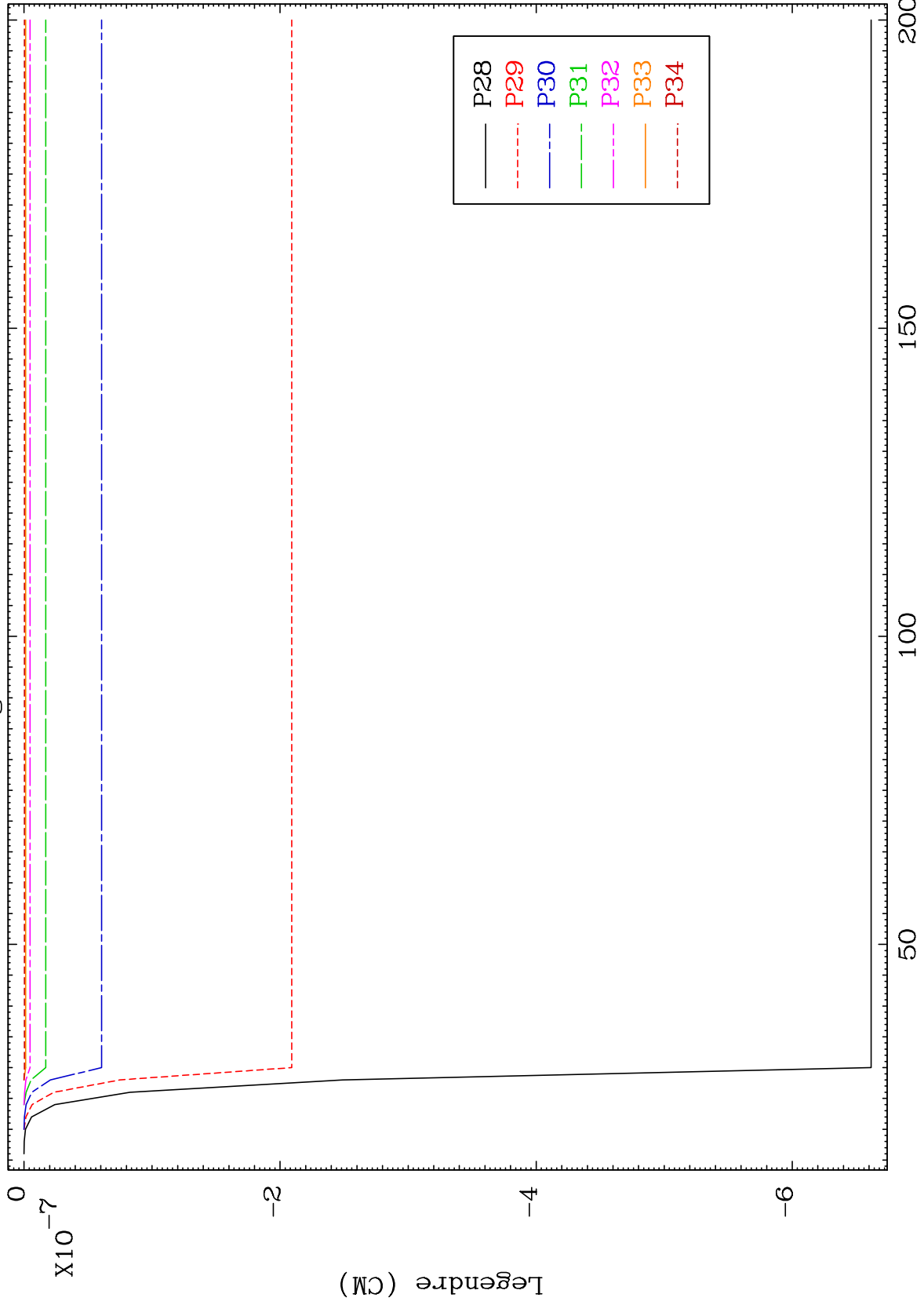


58 44-Ru-94

MAT 4419

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

44-Ru-94

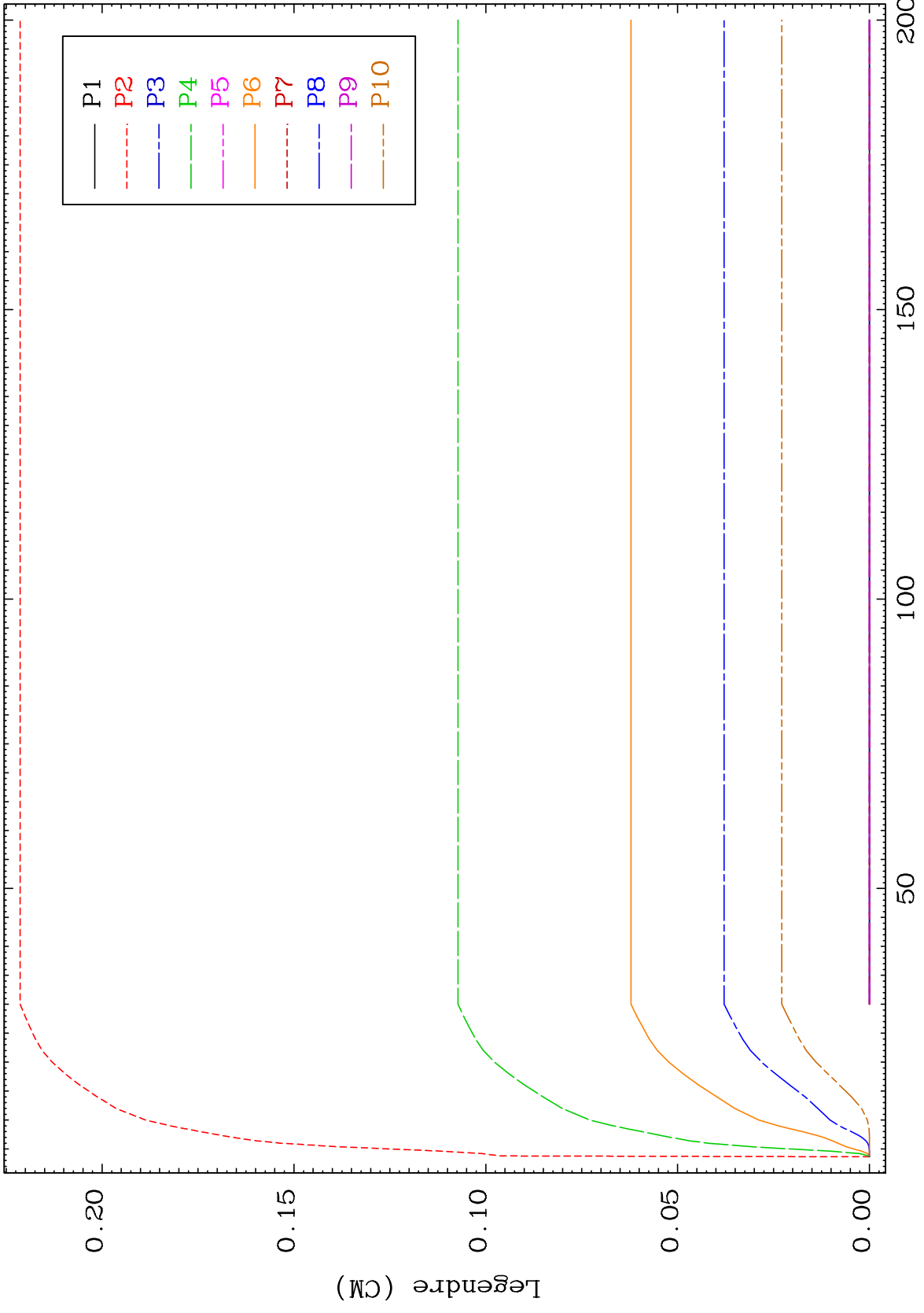


44-Ru-94

Incident Energy (MeV)

59

MAT 4419 MT= 63 (n,n') Level Legendre Coefficients 44-Ru-94

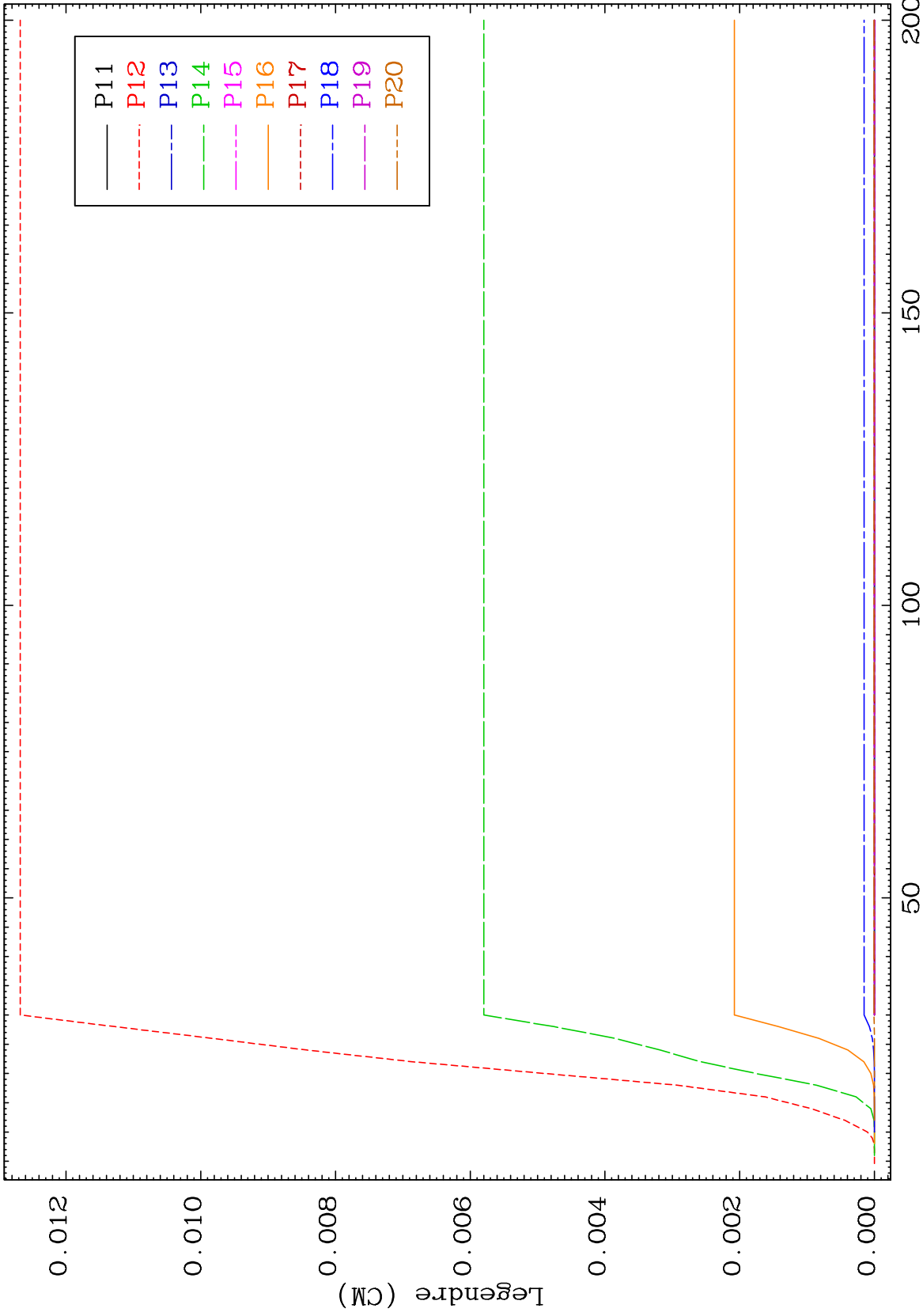


44-Ru-94

MAT 4419

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

44-Ru-94

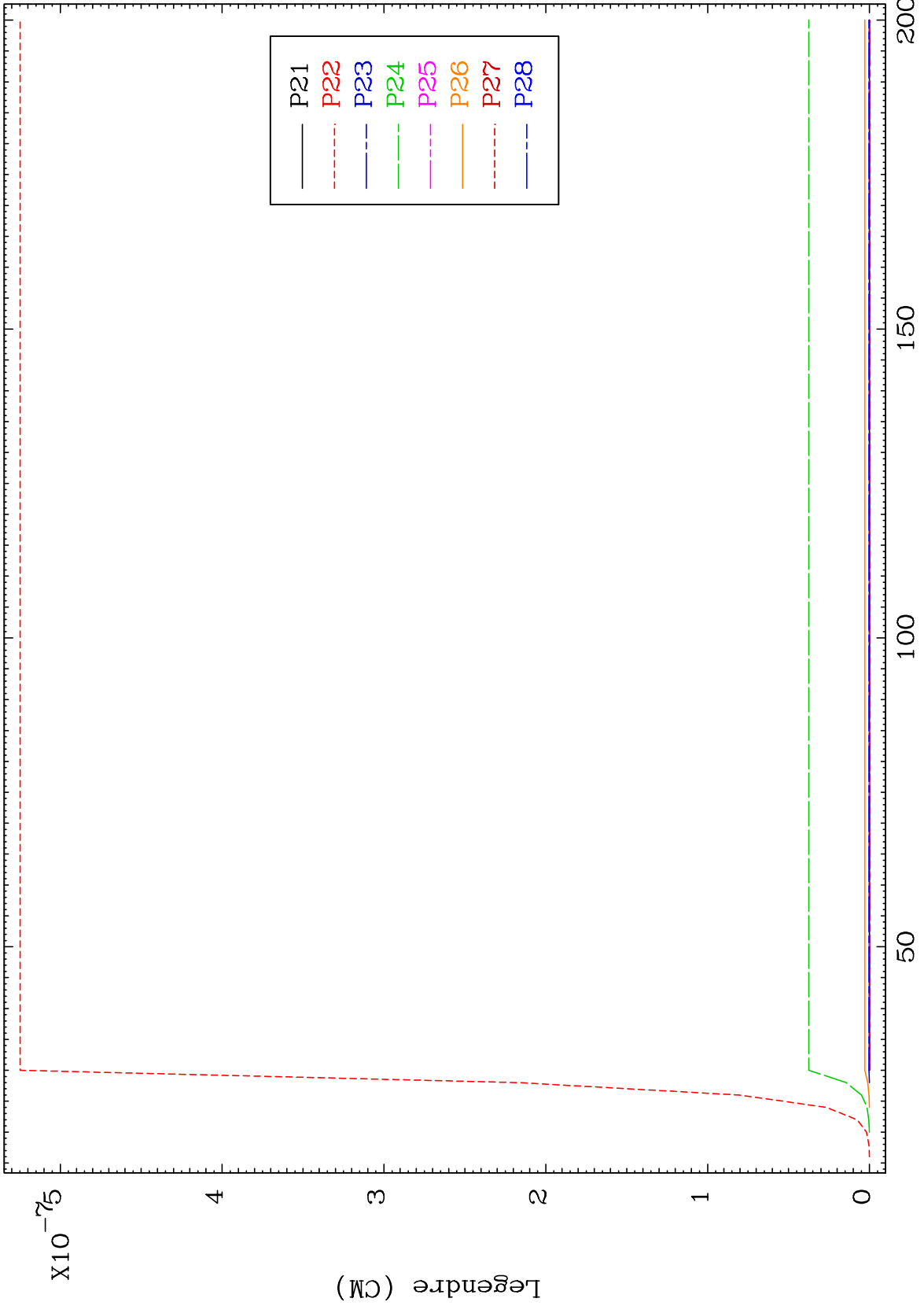


61

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 63 (n, n') Level Legendre Coefficients 44-Ru-94

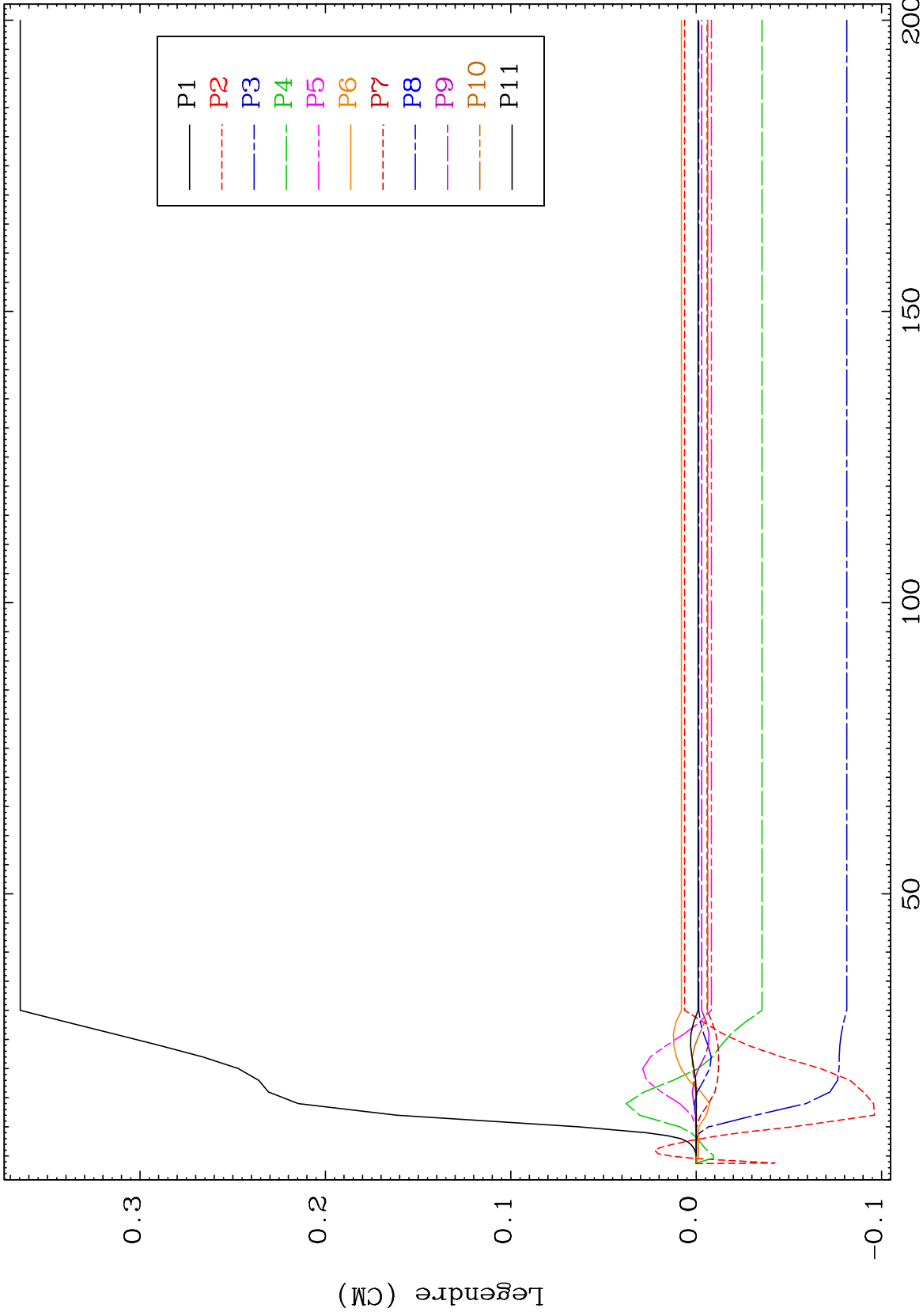


62 Incident Energy (MeV) 44-Ru-94

MAT 4419

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

44-Ru-94

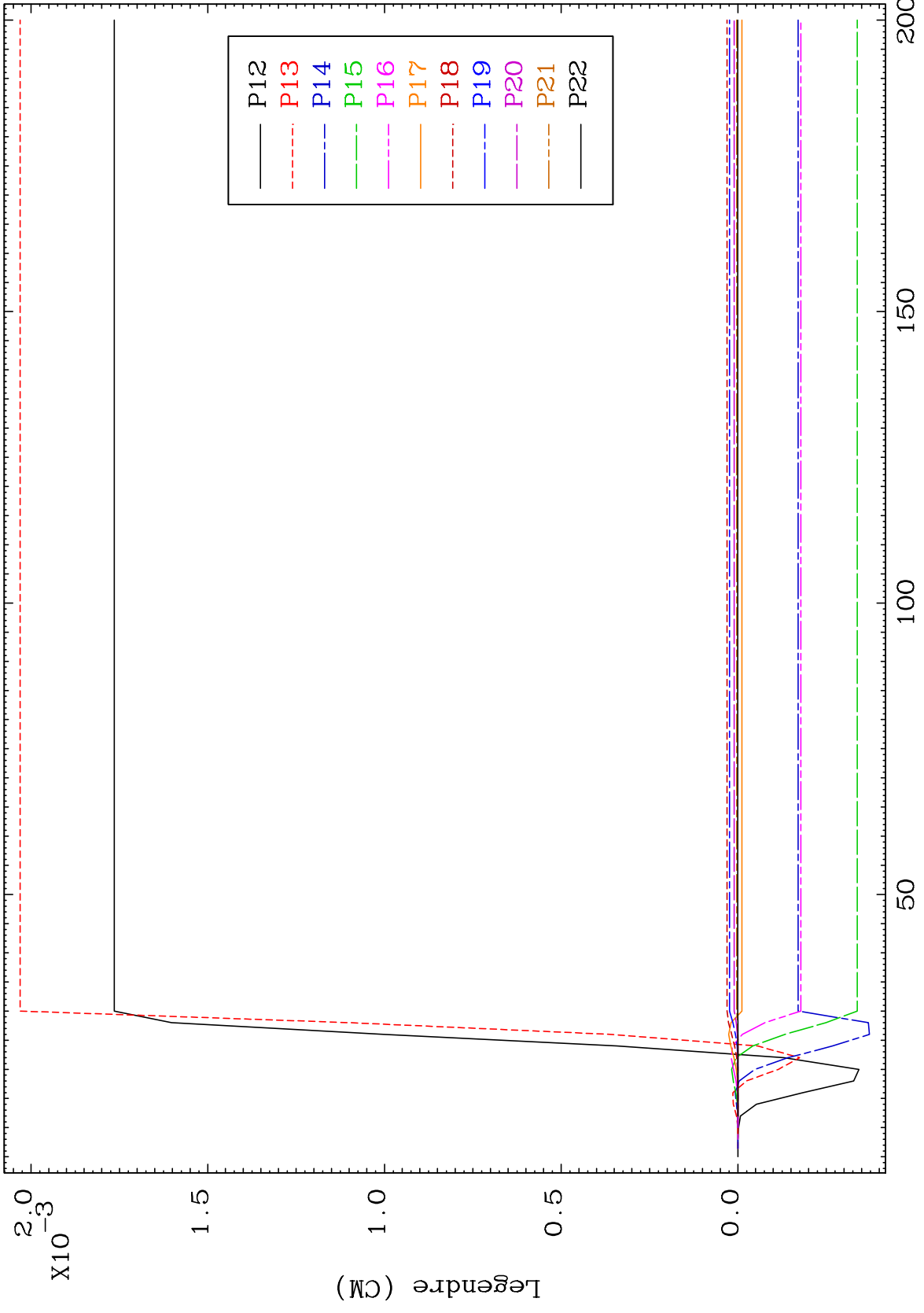


63

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 64 (n,n') Level Legendre Coefficients 44-Ru-94

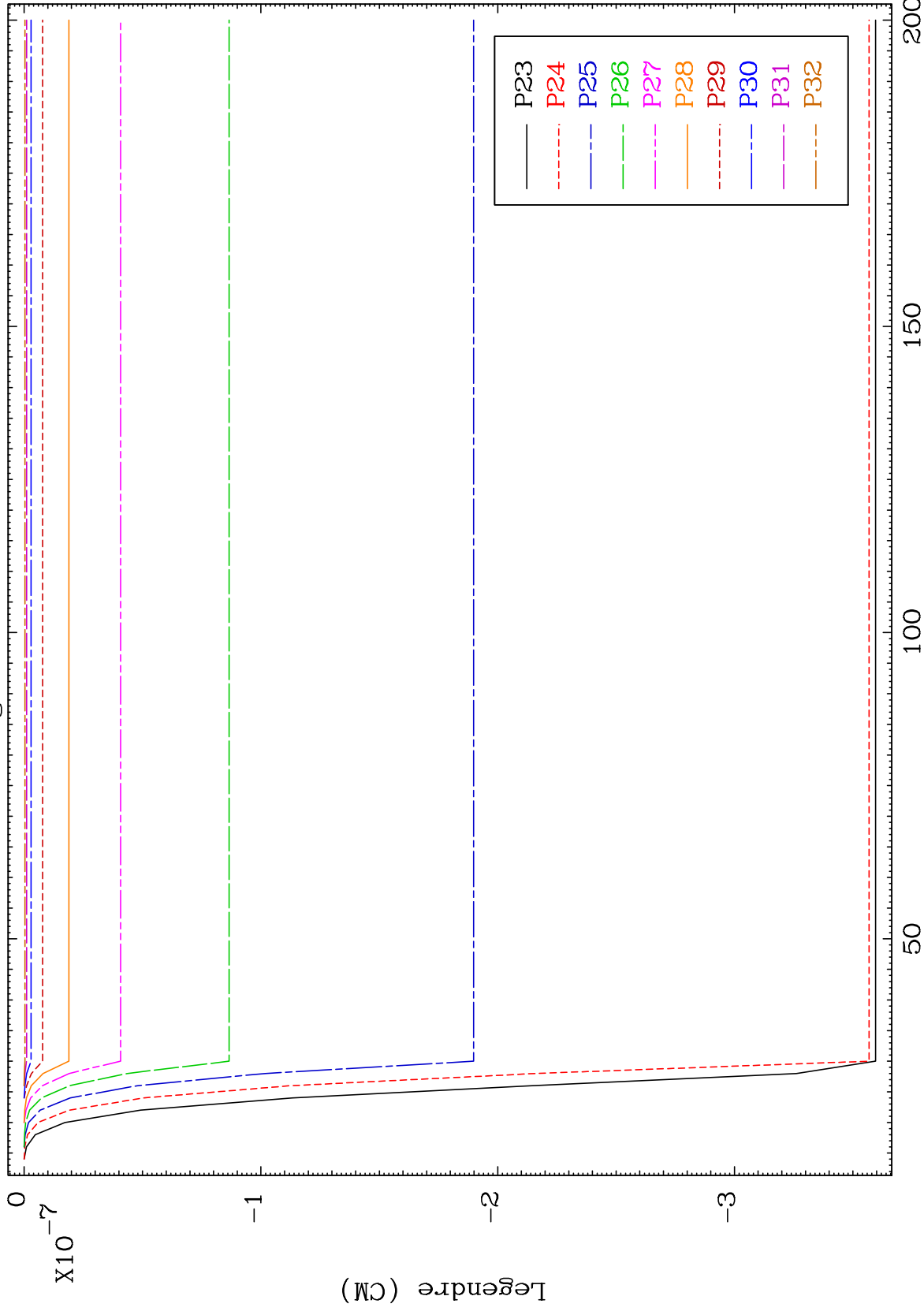


64 44-Ru-94

MAT 4419

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

44-Ru-94

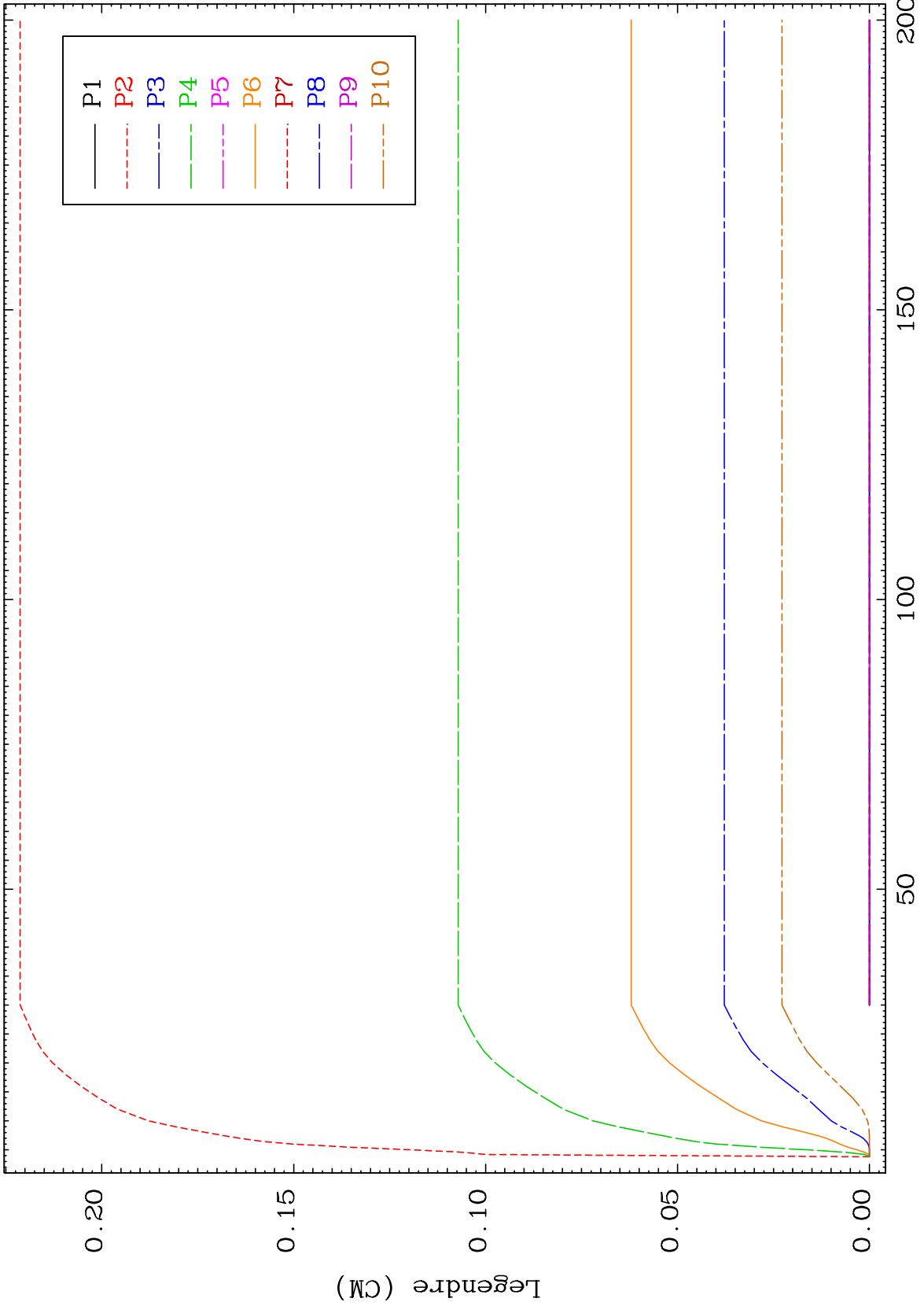


44-Ru-94

Incident Energy (MeV)

65

MAT 4419 MT= 65 (n,n') Level Legendre Coefficients 44-Ru-94

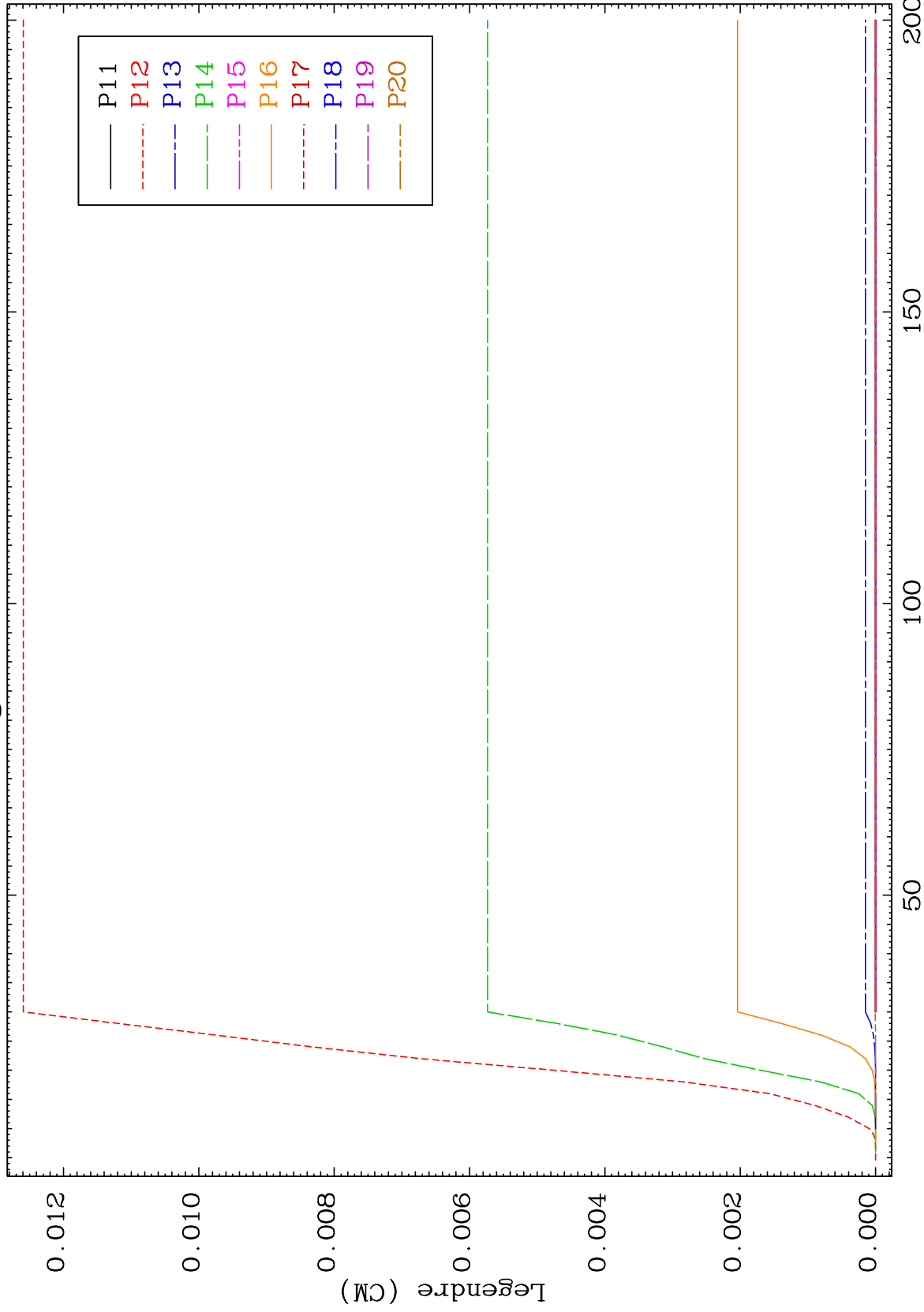


66 44-Ru-94

MAT 4419

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

44-Ru-94

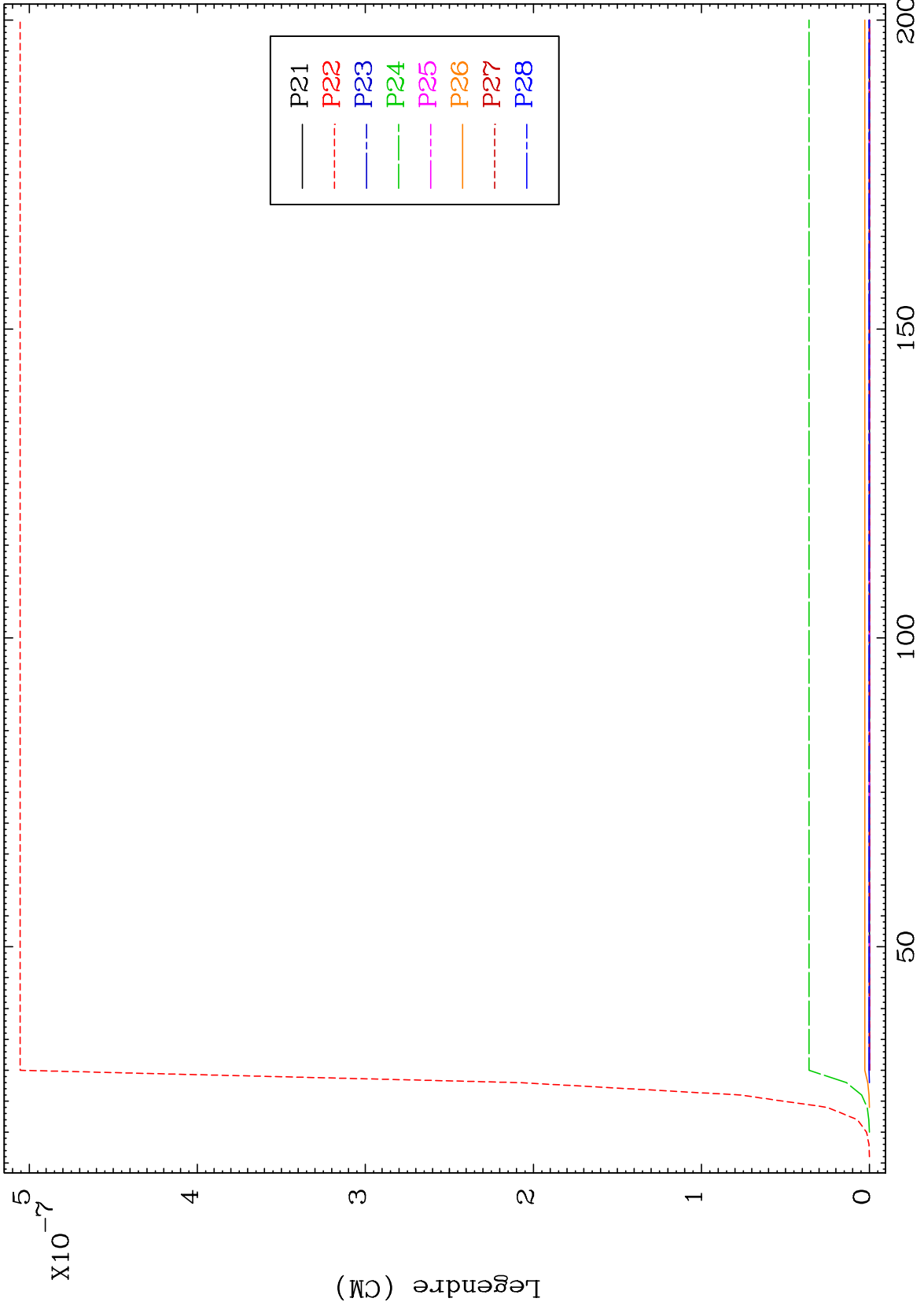


67

Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 65 (n,n') Level Legendre Coefficients 44-Ru-94

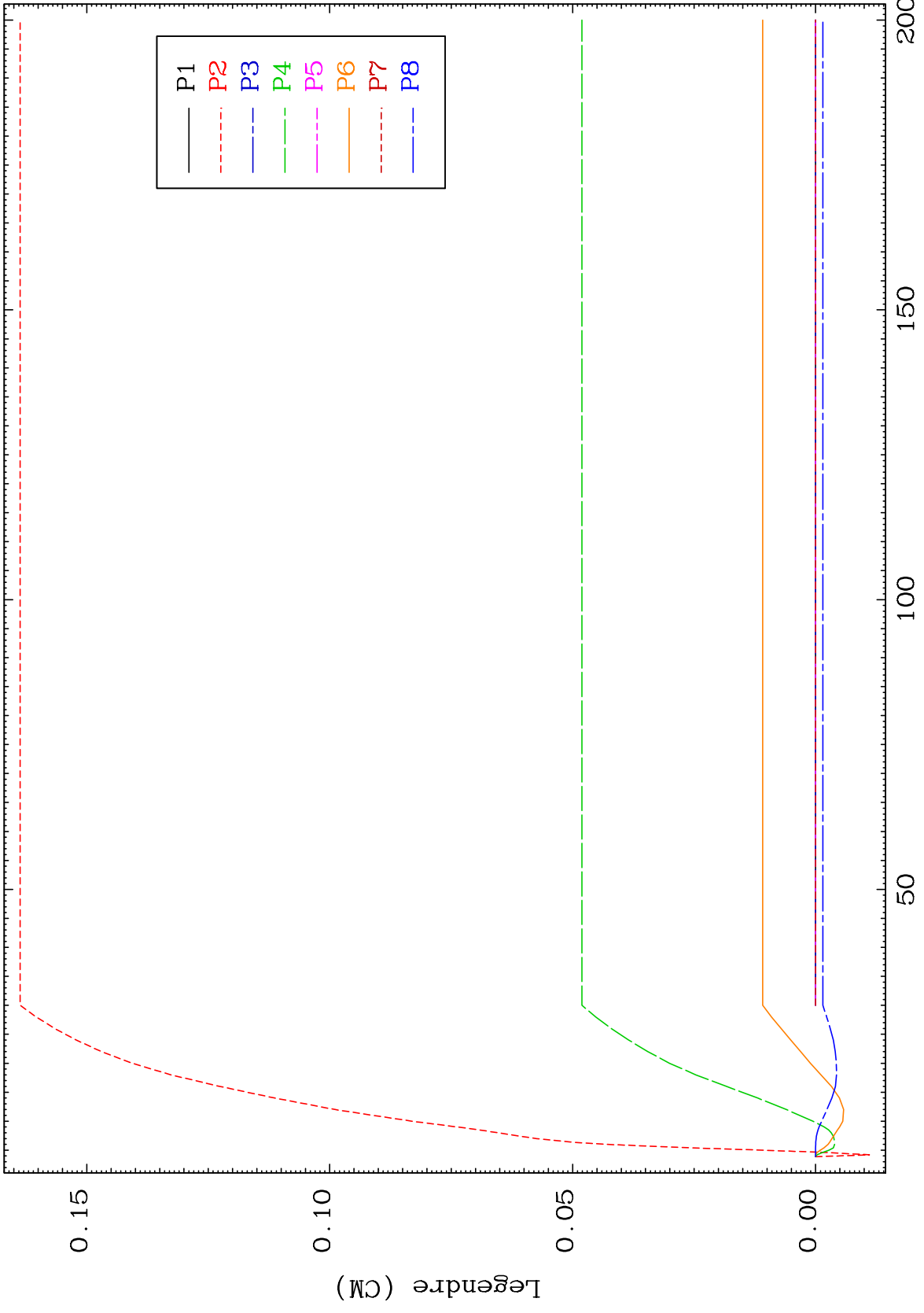


44-Ru-94

Incident Energy (MeV)

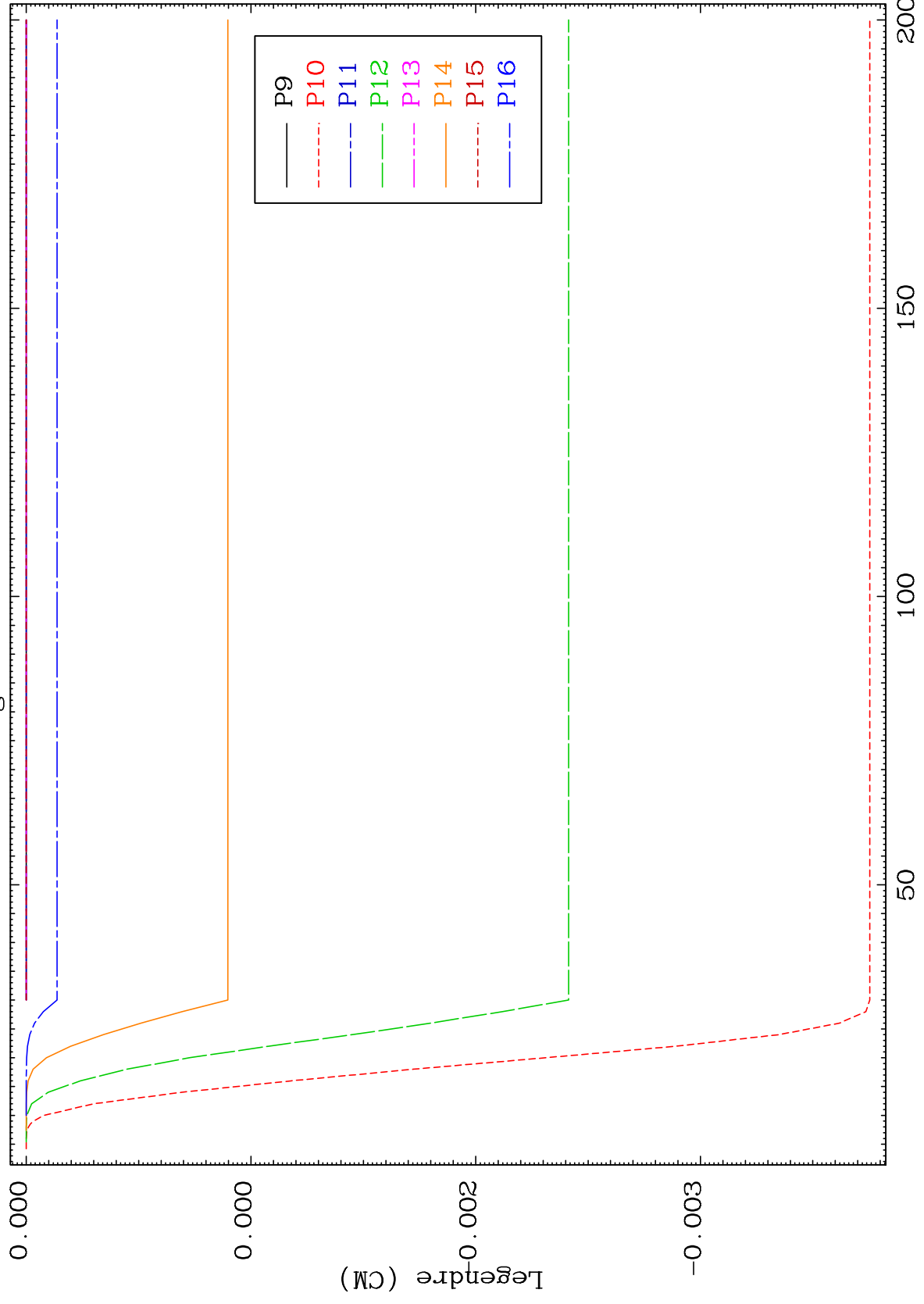
68

MAT 4419 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-94



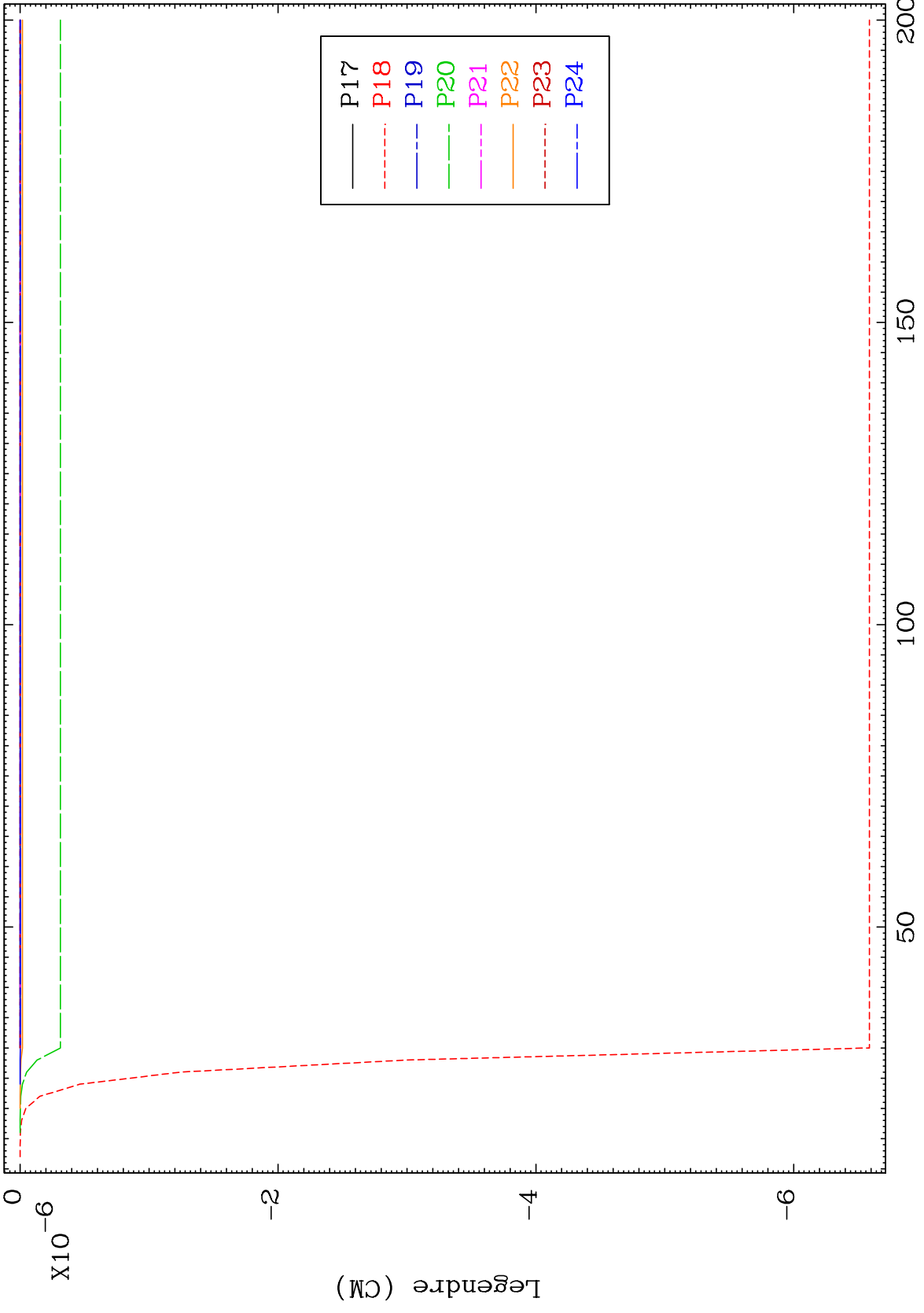
69 Incident Energy (MeV) 44-Ru-94

MAT 4419 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-94



70 Incident Energy (MeV) 44-Ru-94

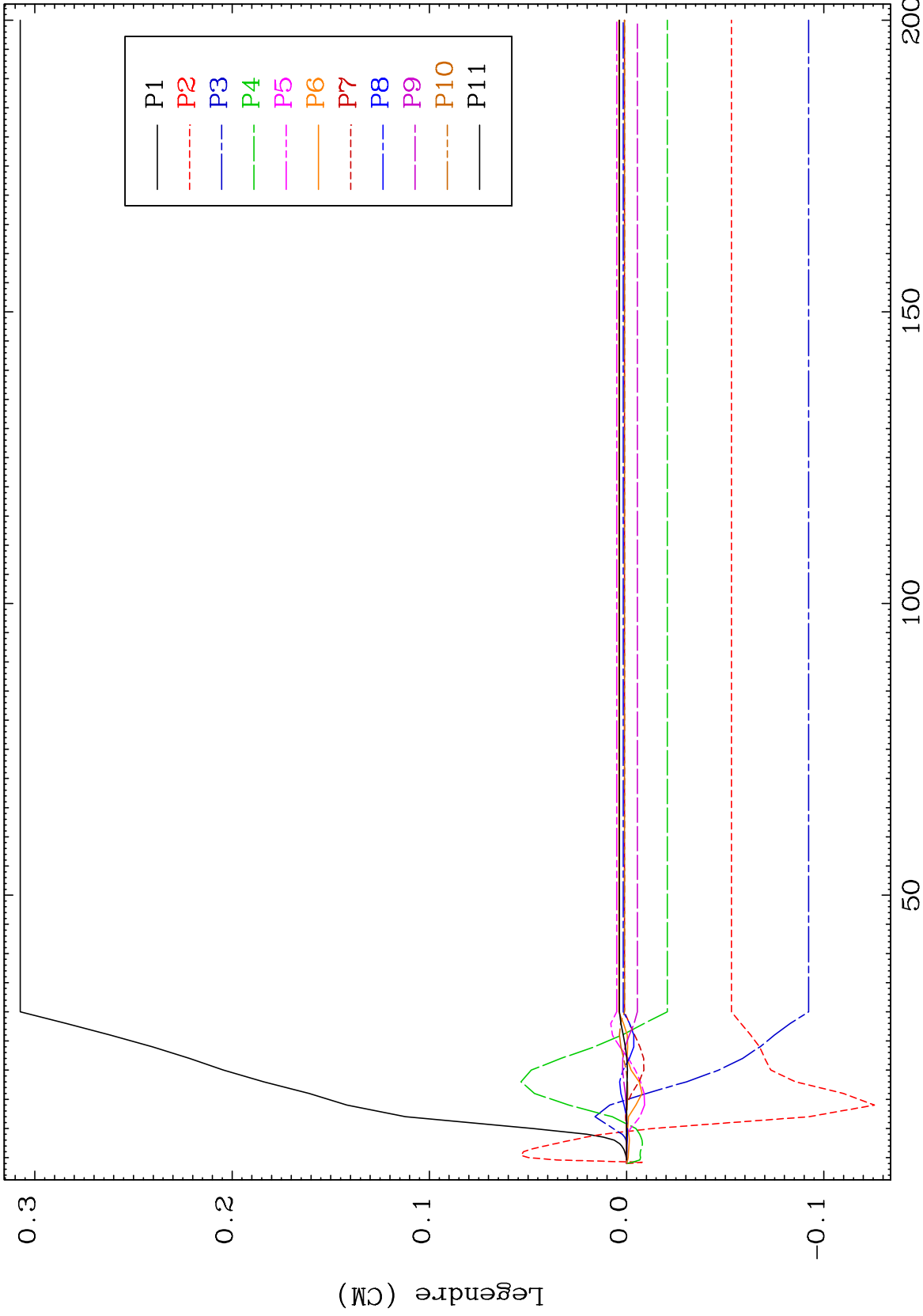
MAT 4419 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-94



MAT 4419

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

44-Ru-94

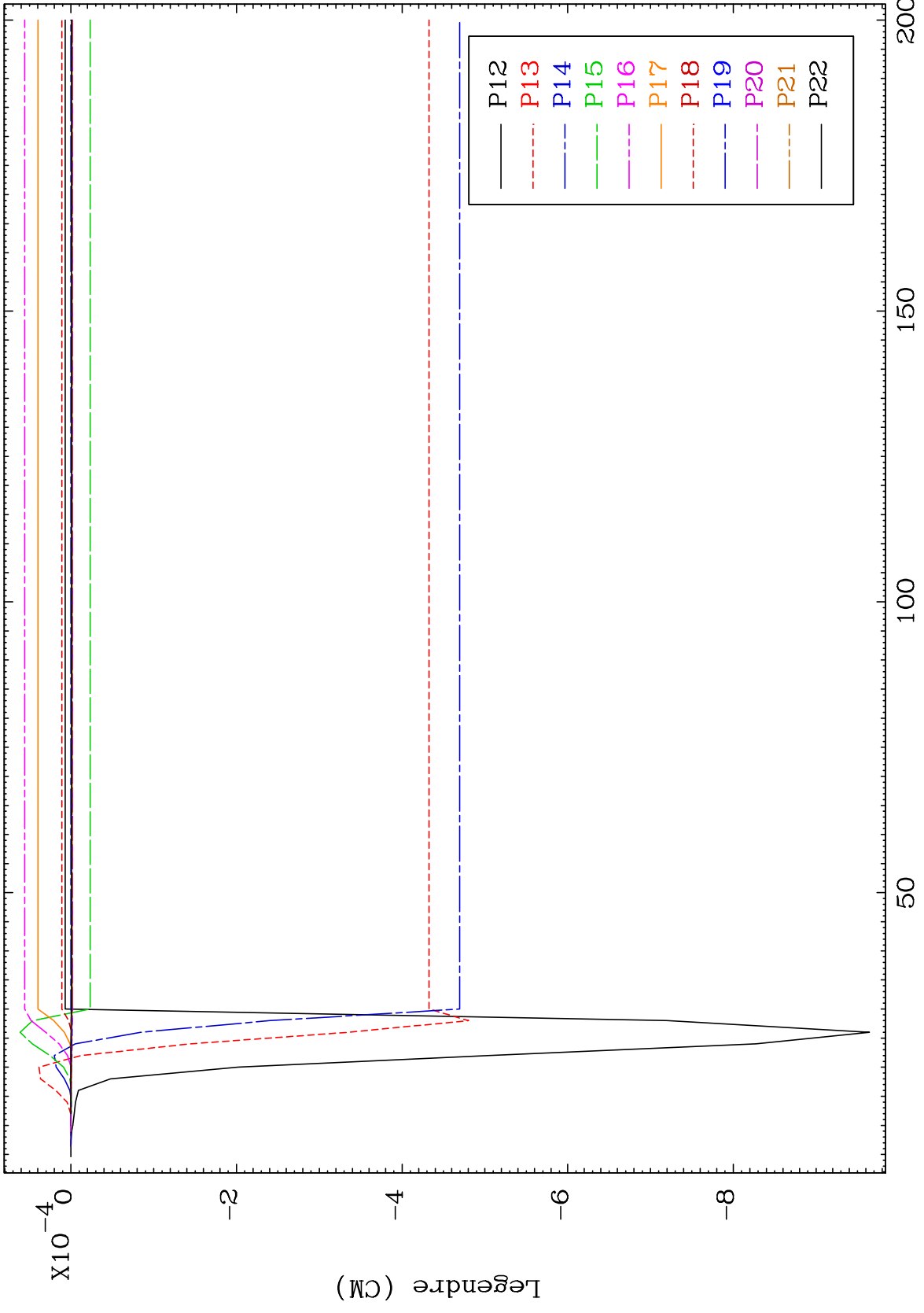


72

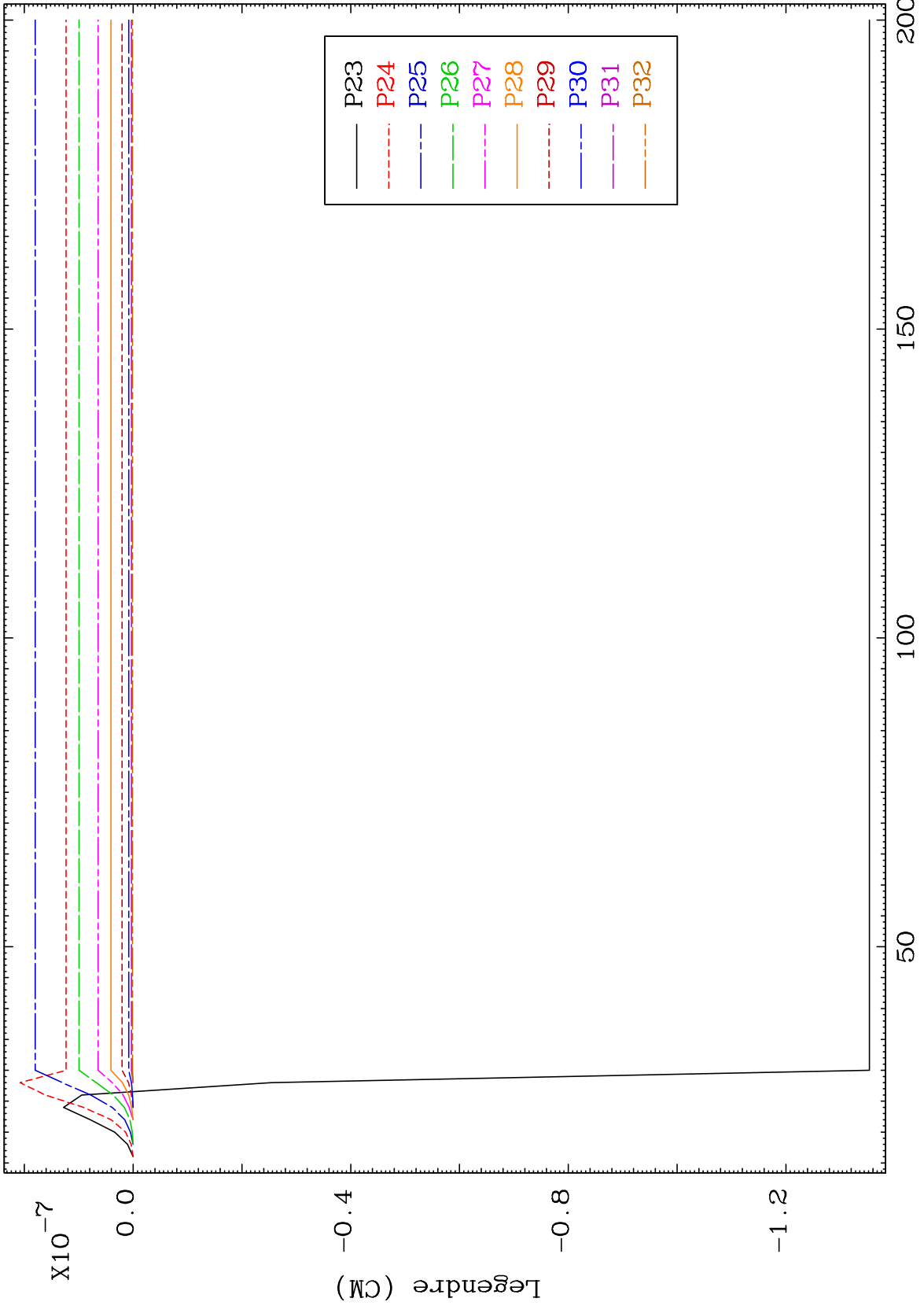
Incident Energy (MeV)

44-Ru-94

MAT 4419 MT= 67 (n,n') Level Legendre Coefficients 44-Ru-94



MAT 4419 MT= 67 (n,n') Level Legendre Coefficients 44-Ru-94

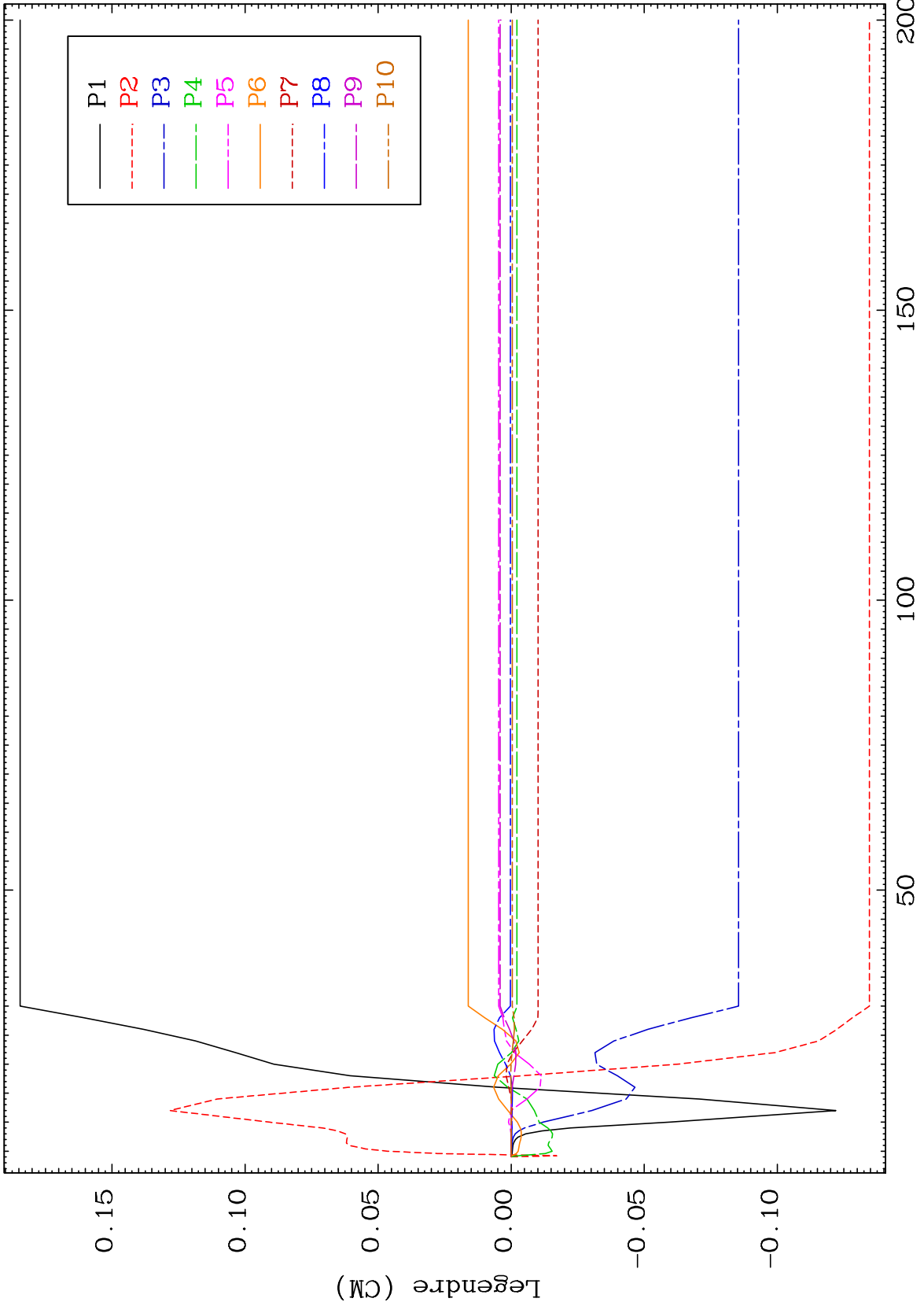


74 44-Ru-94

MAT 4419

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

44-Ru-94



75

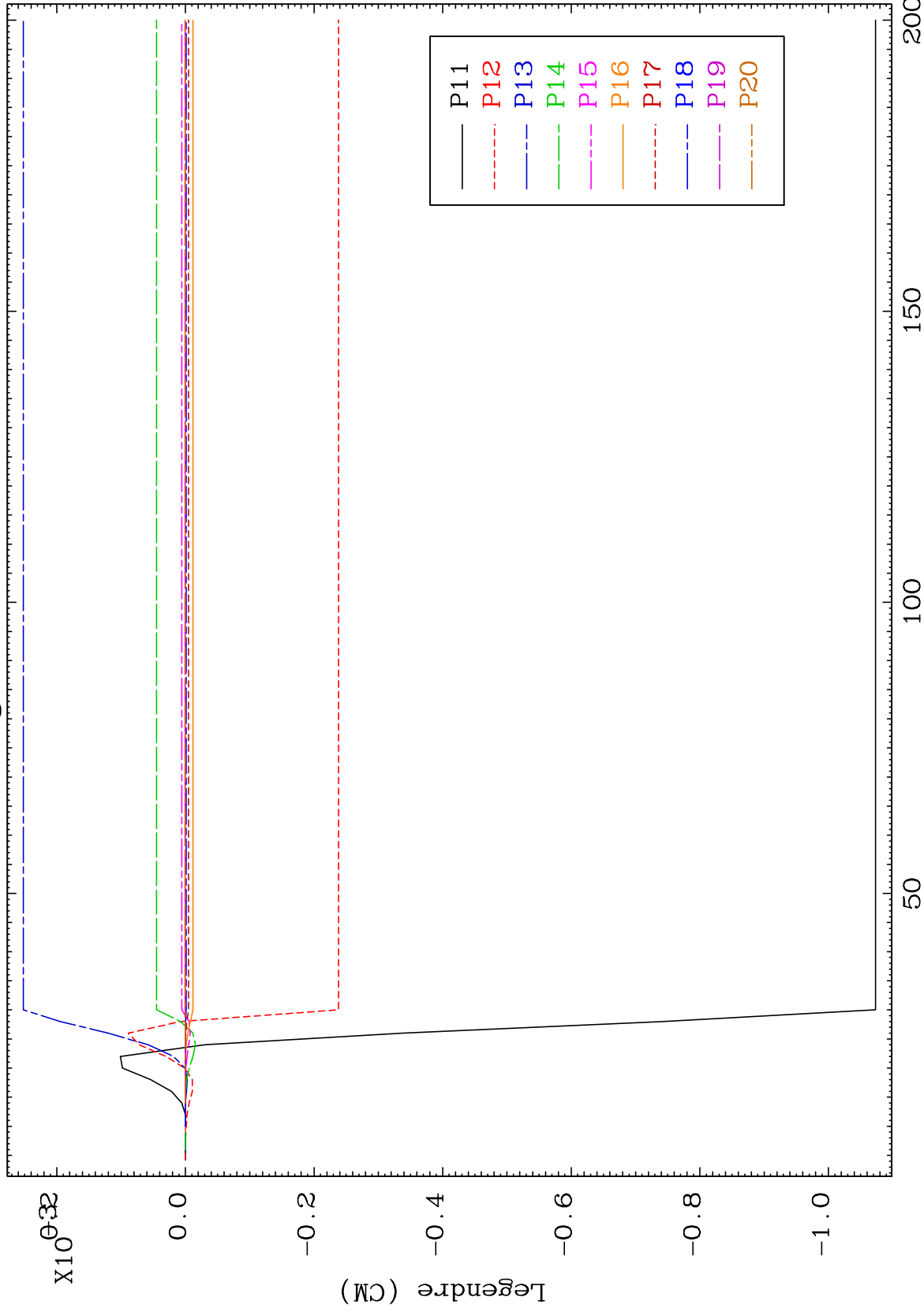
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



76

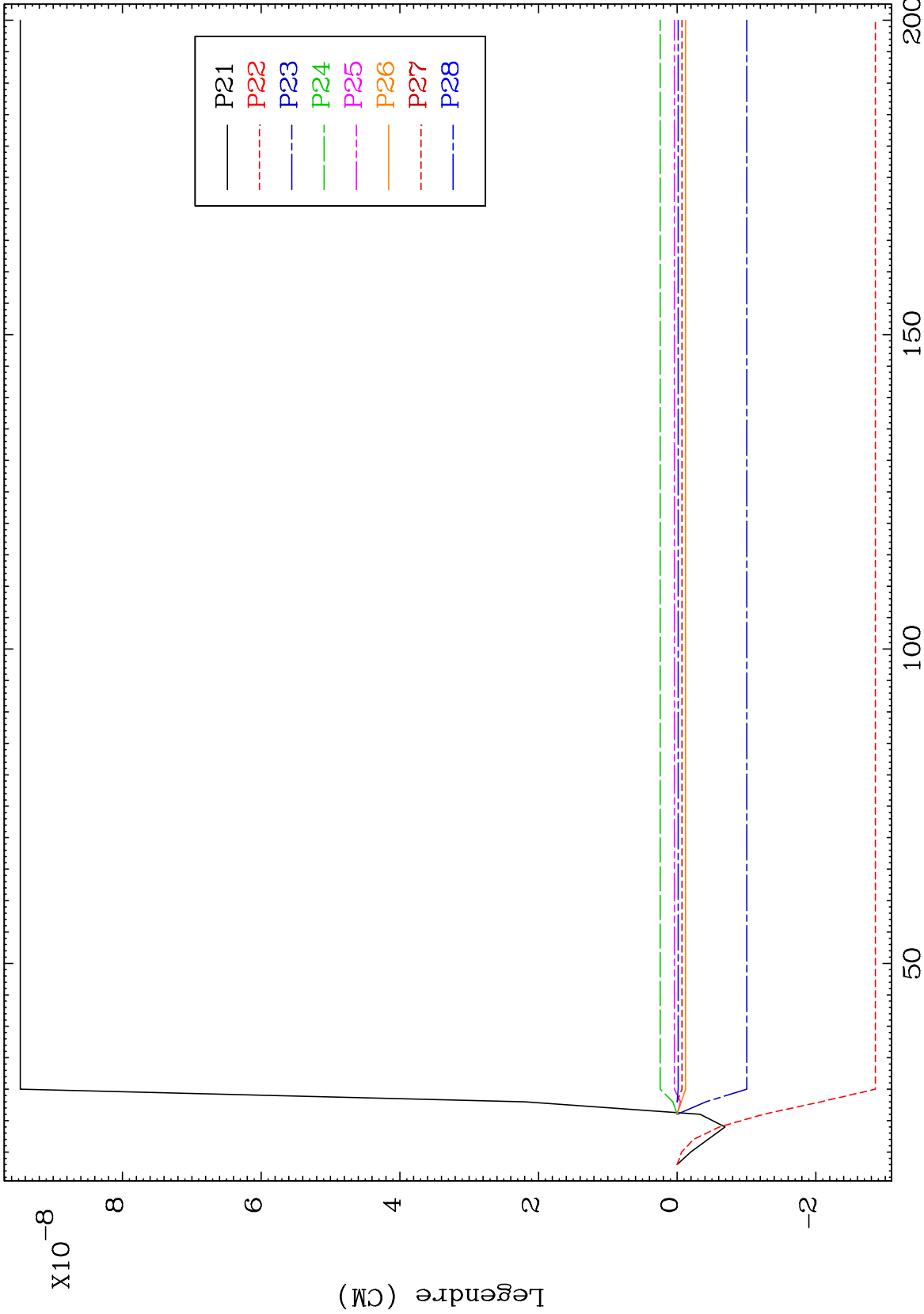
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



77

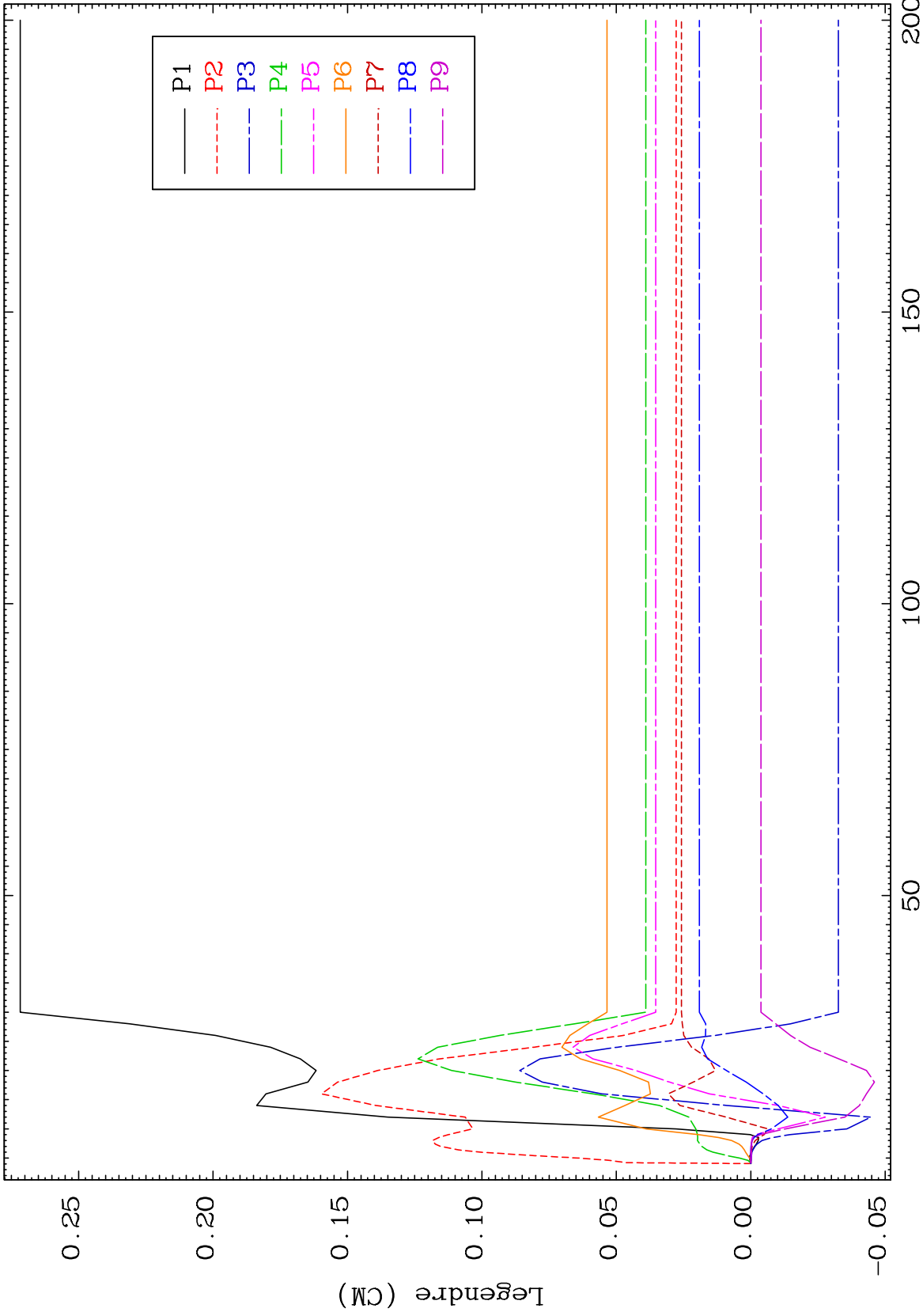
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94



78

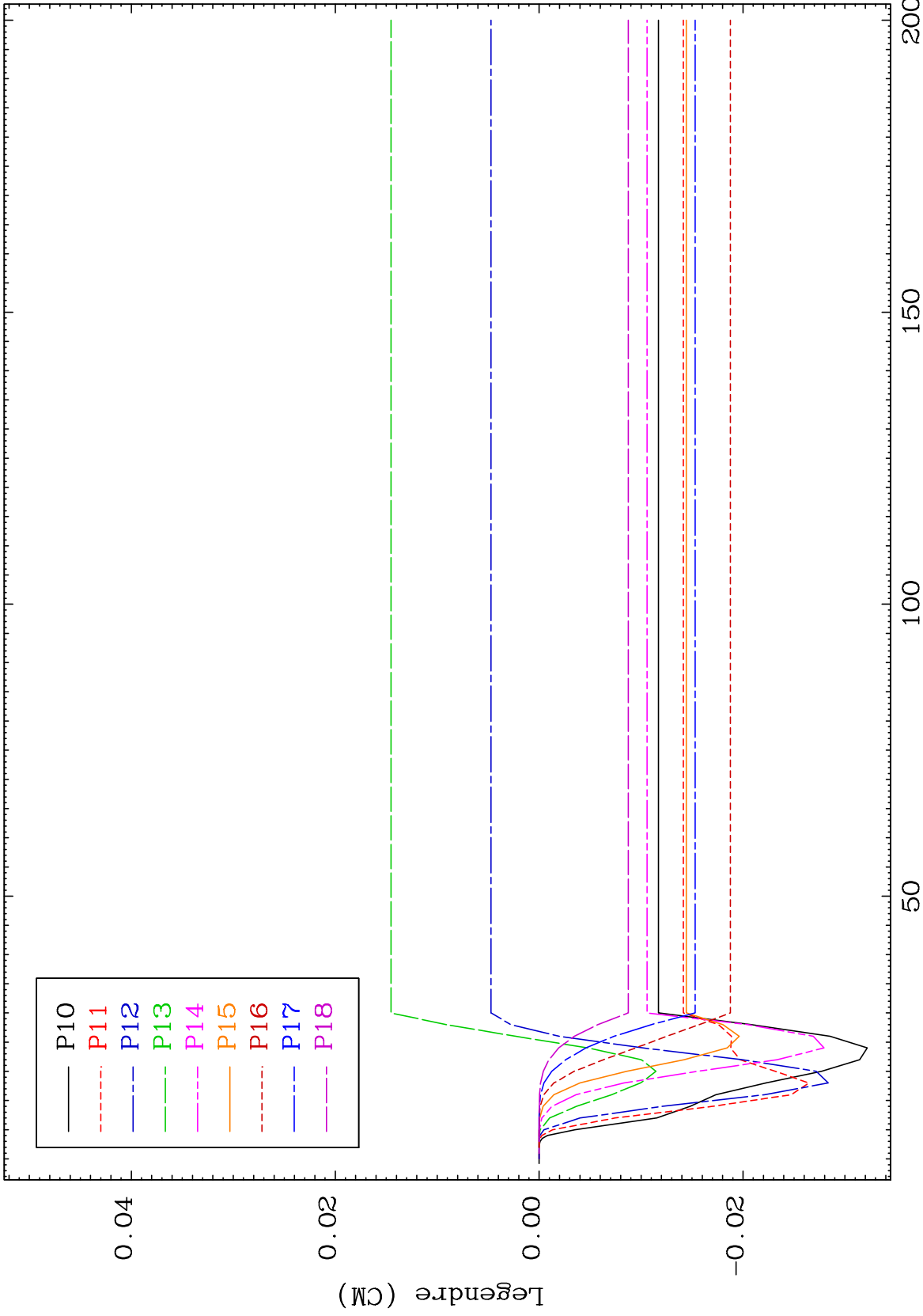
Incident Energy (MeV)

44-Ru-94

MAT 4419

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

44-Ru-94

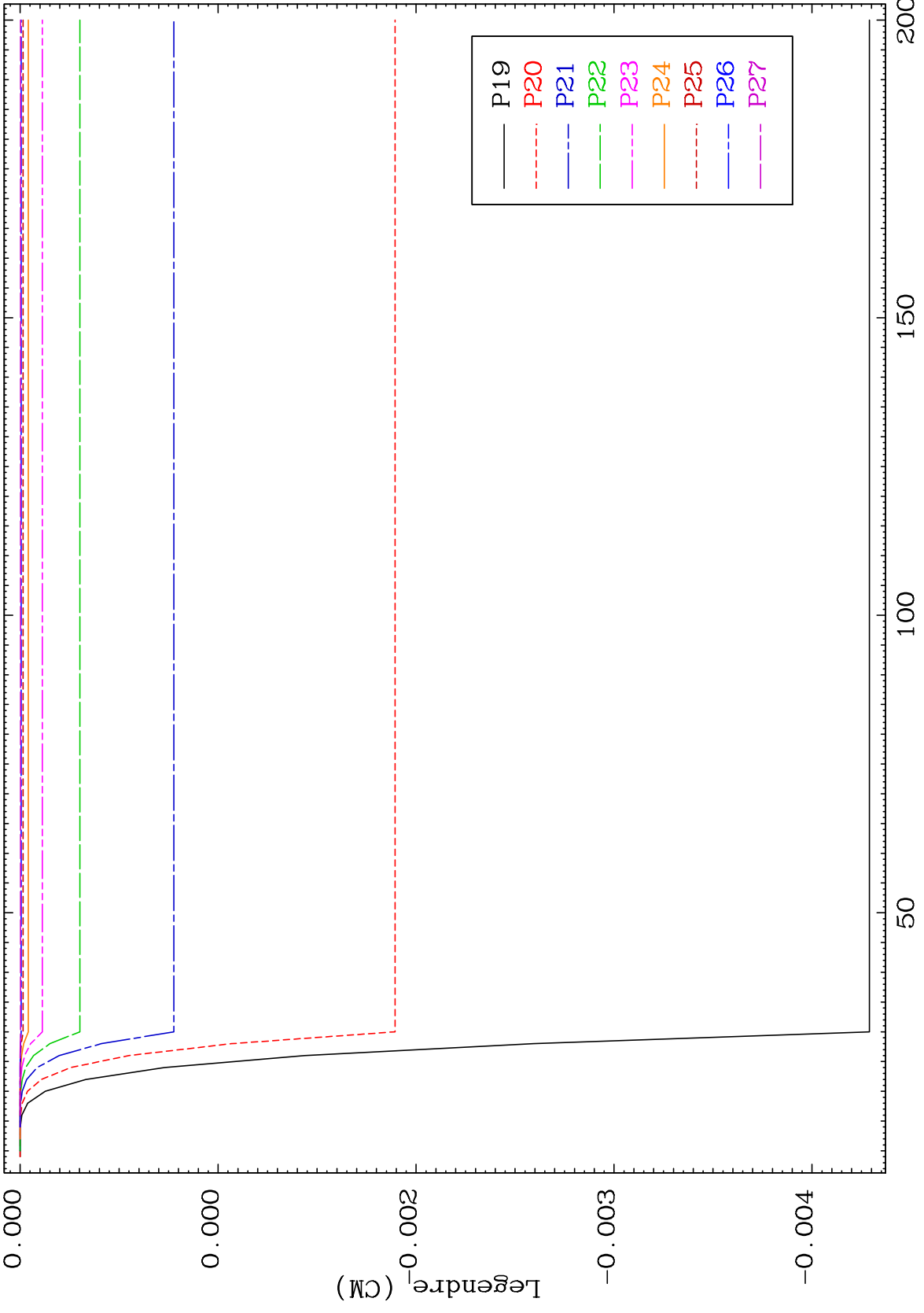


79

Incident Energy (MeV)

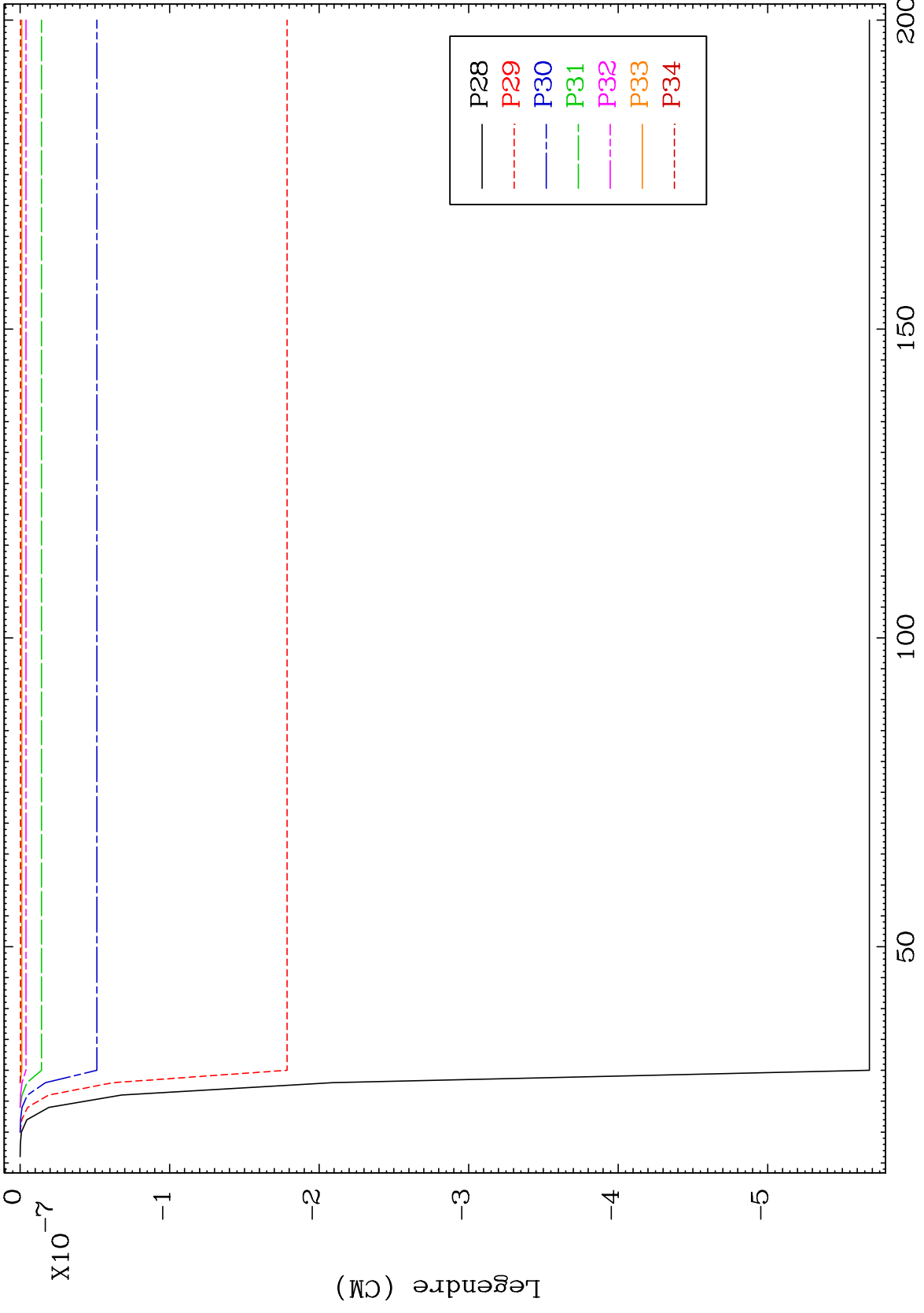
44-Ru-94

MAT 4419 MT= 69 (n,n') Level Legendre Coefficients 44-Ru-94



80 Incident Energy (MeV) 44-Ru-94

MAT 4419 MT= 69 (n,n') Level Legendre Coefficients 44-Ru-94

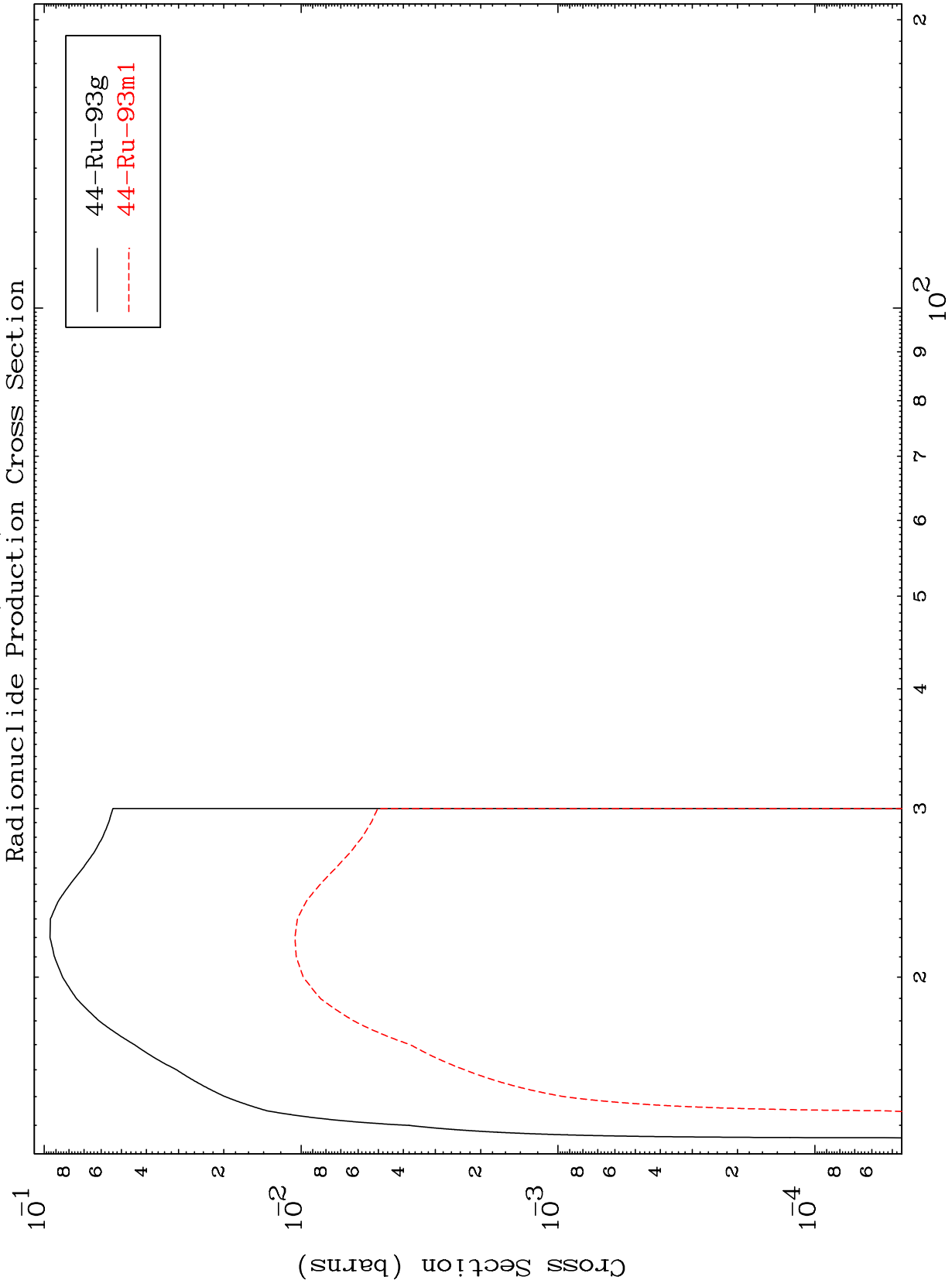


81 44-Ru-94

MAT 4419

(n,2n)

44-Ru-94



82

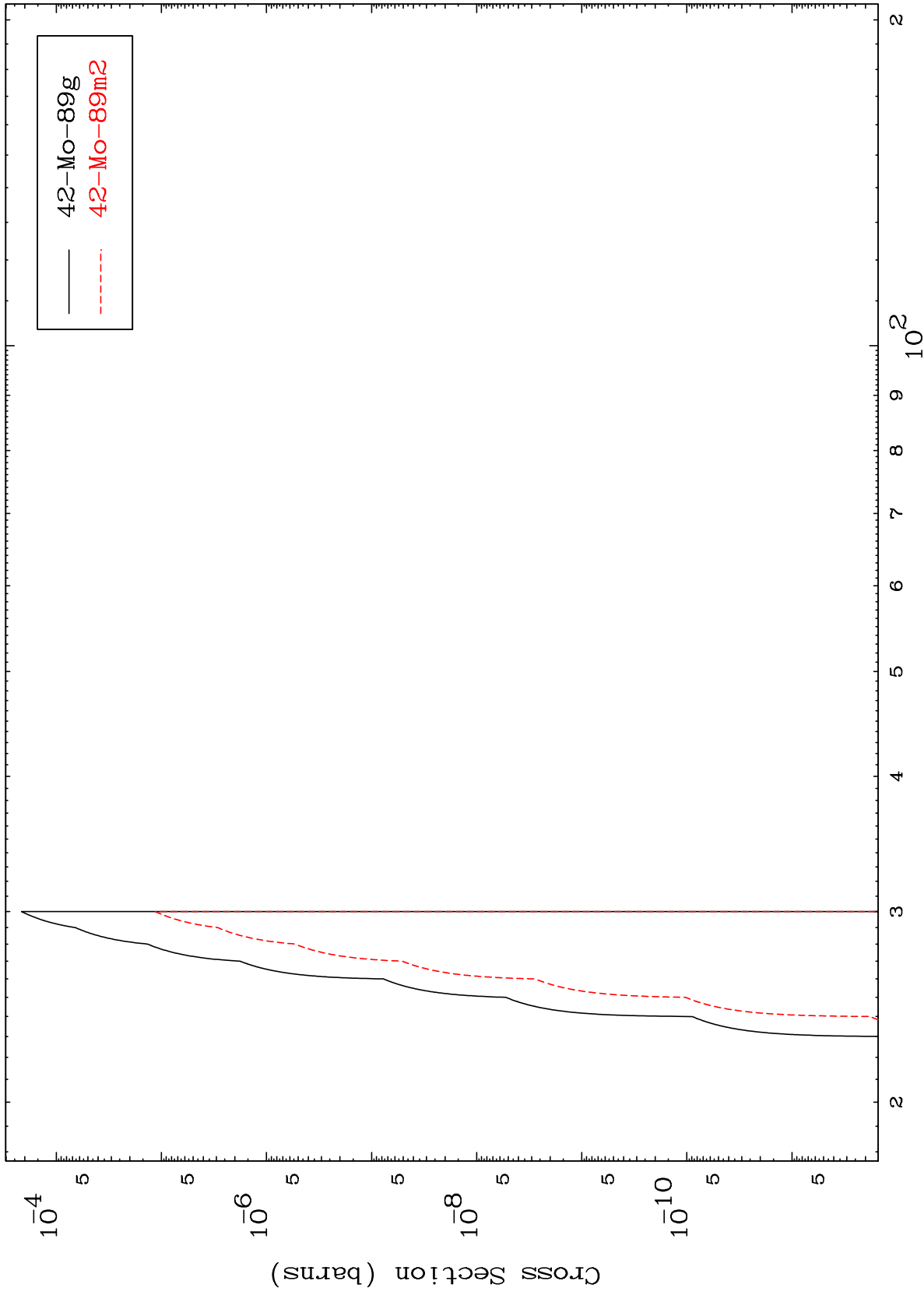
44-Ru-94

MAT 4419

(n,2n) α

44-Ru-94

Radionuclide Production Cross Section



83

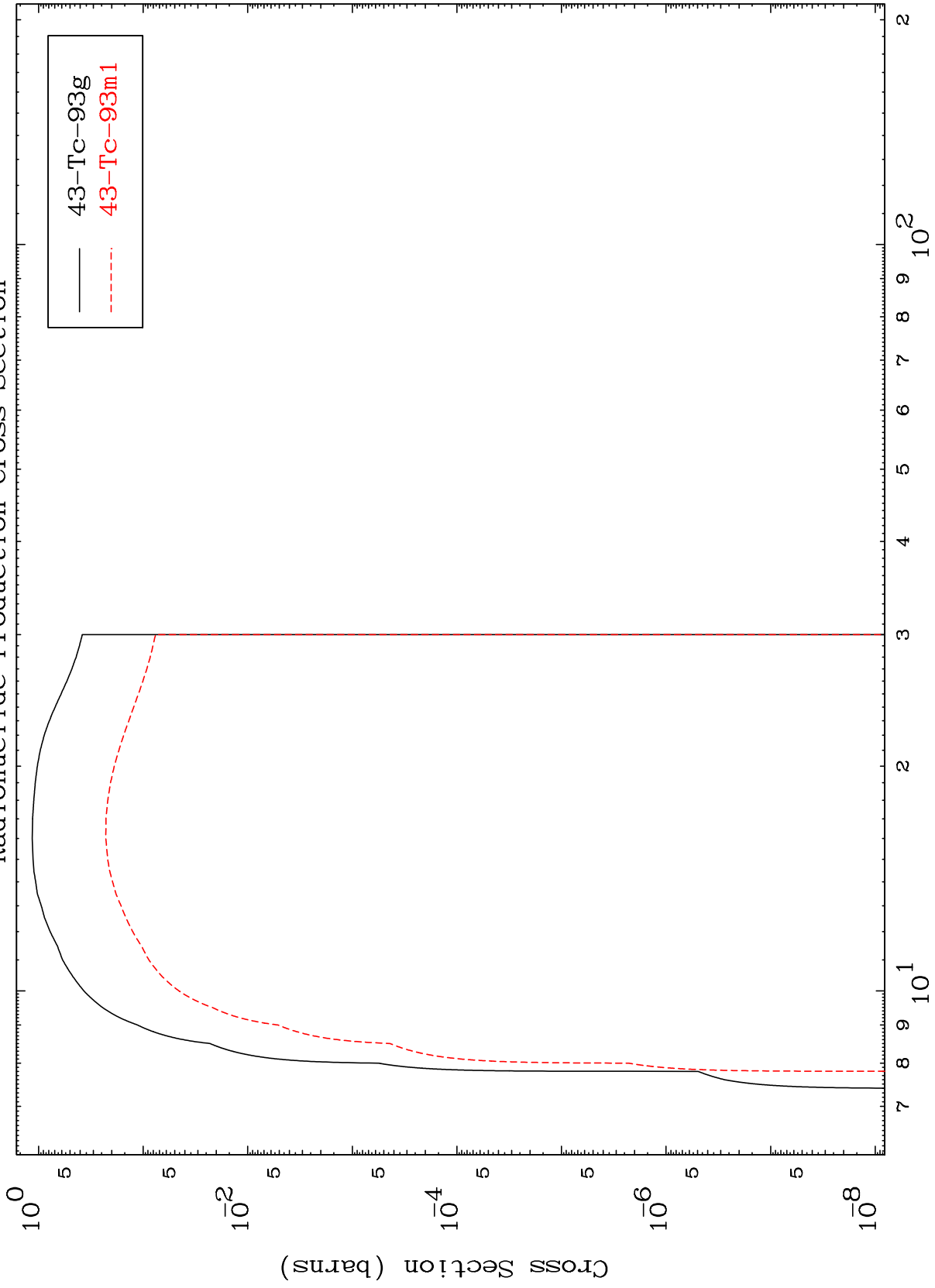
Incident Energy (MeV)

44-Ru-94

MAT 4419

44-Ru-94

(n,n') p
Radionuclide Production Cross Section



84

Incident Energy (MeV)

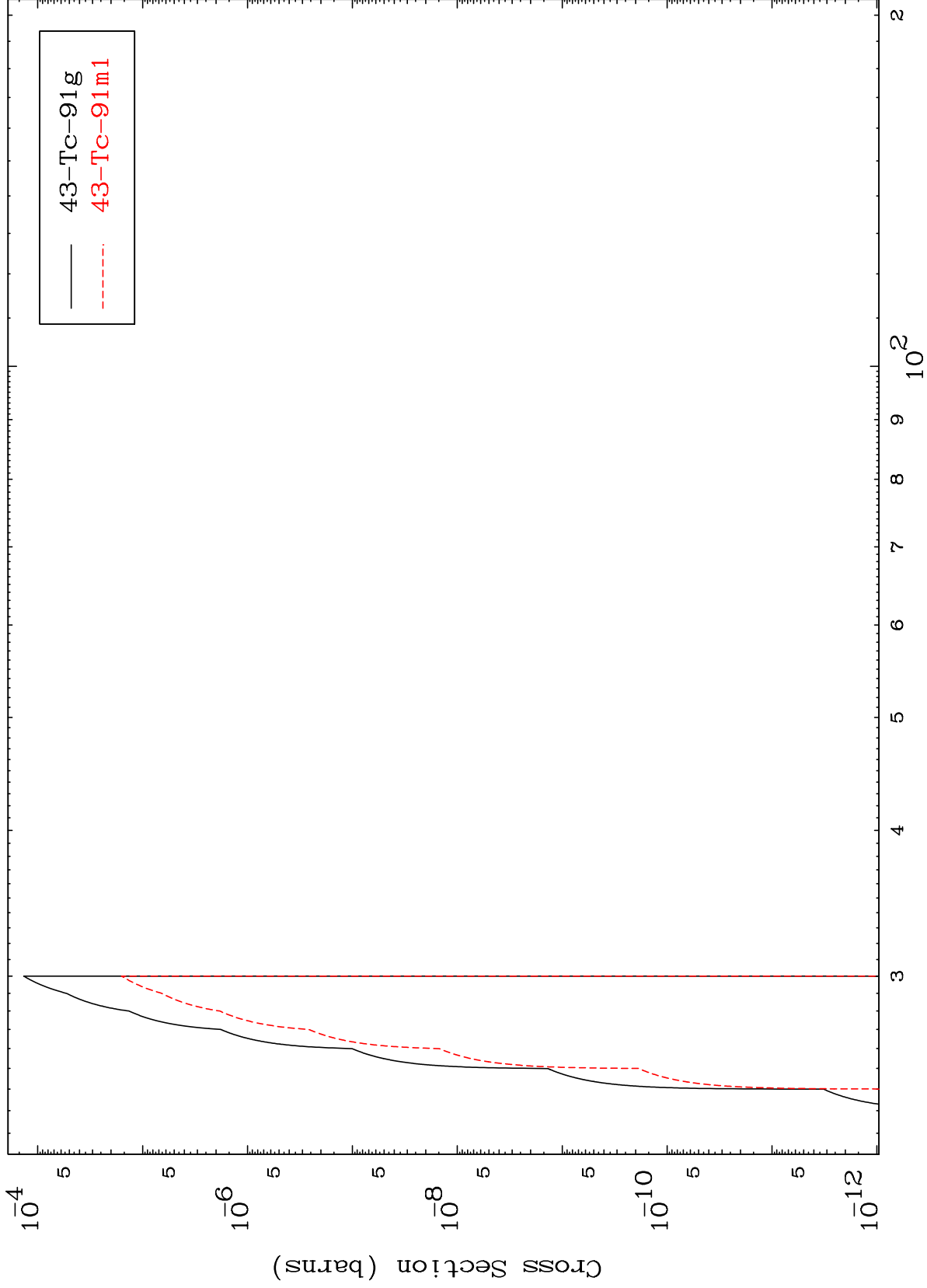
44-Ru-94

MAT 4419

(n,n') t

44-Ru-94

Radionuclide Production Cross Section



85

Incident Energy (MeV)

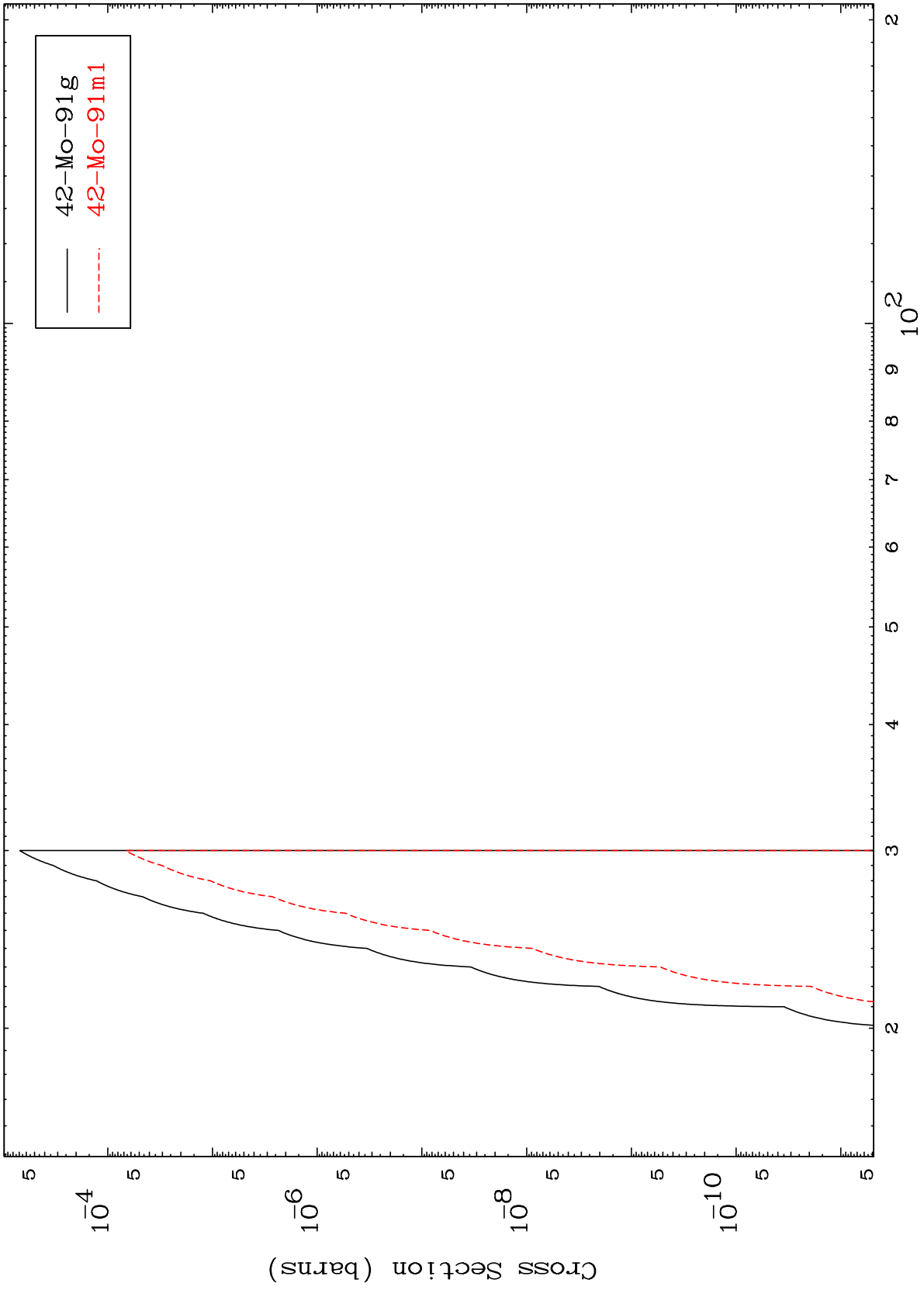
44-Ru-94

MAT 4419

(n, n') He-3

44-Ru-94

Radionuclide Production Cross Section



86

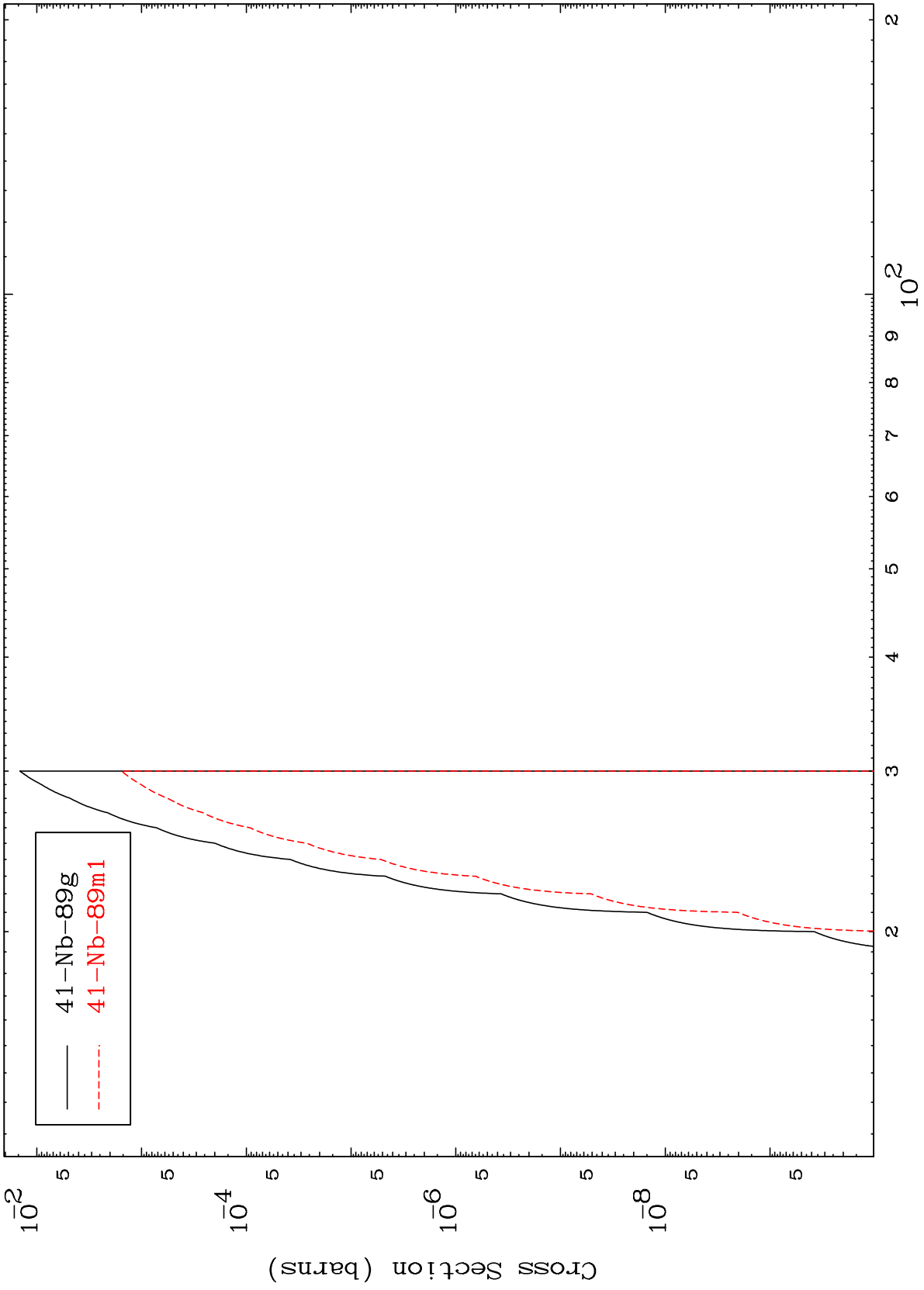
Incident Energy (MeV)

44-Ru-94

MAT 4419

44-Ru-94

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



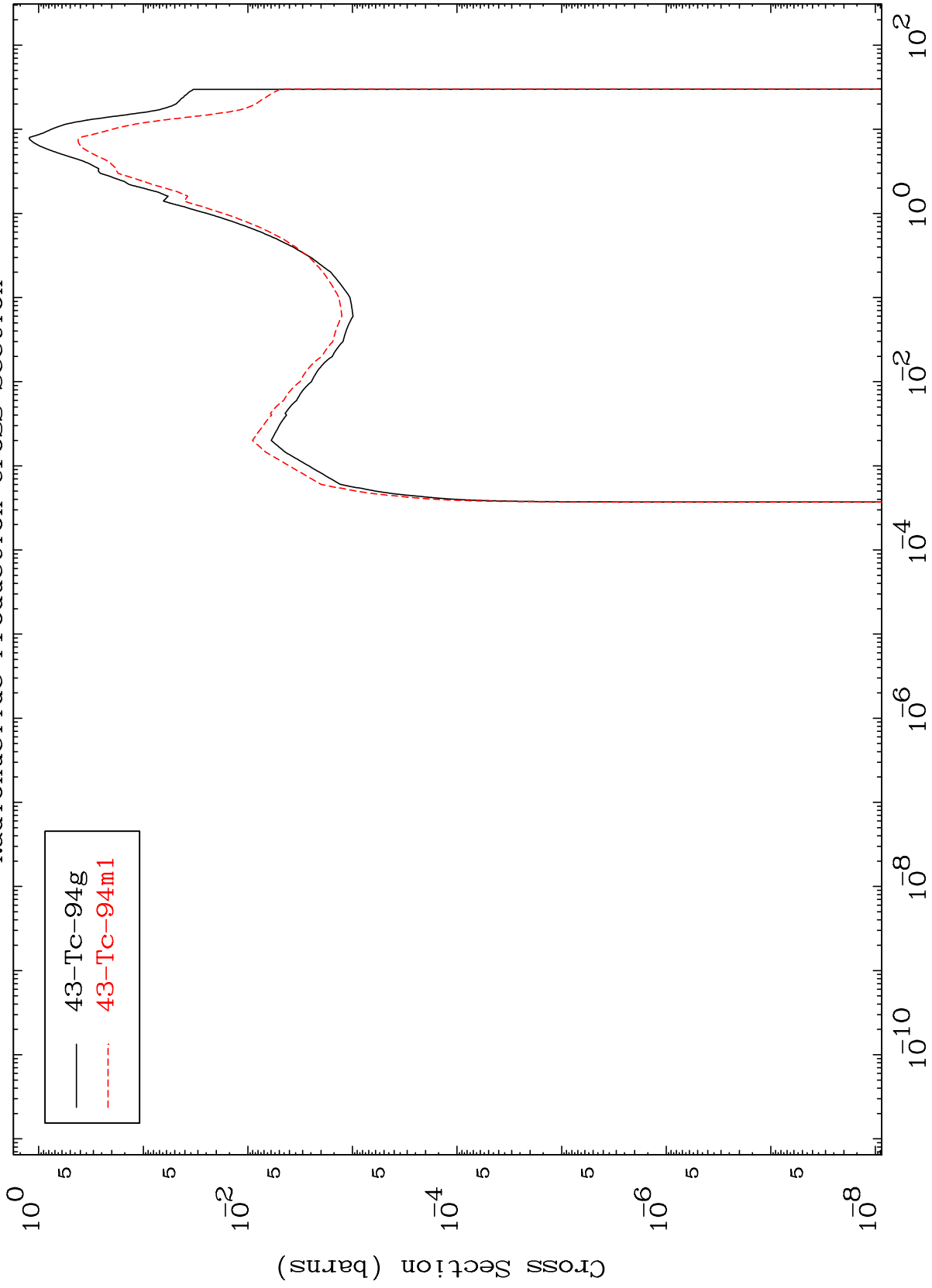
87

44-Ru-94

MAT 4419

44-Ru-94

(n,p)
Radionuclide Production Cross Section



43-Tc-94g
43-Tc-94m1

88

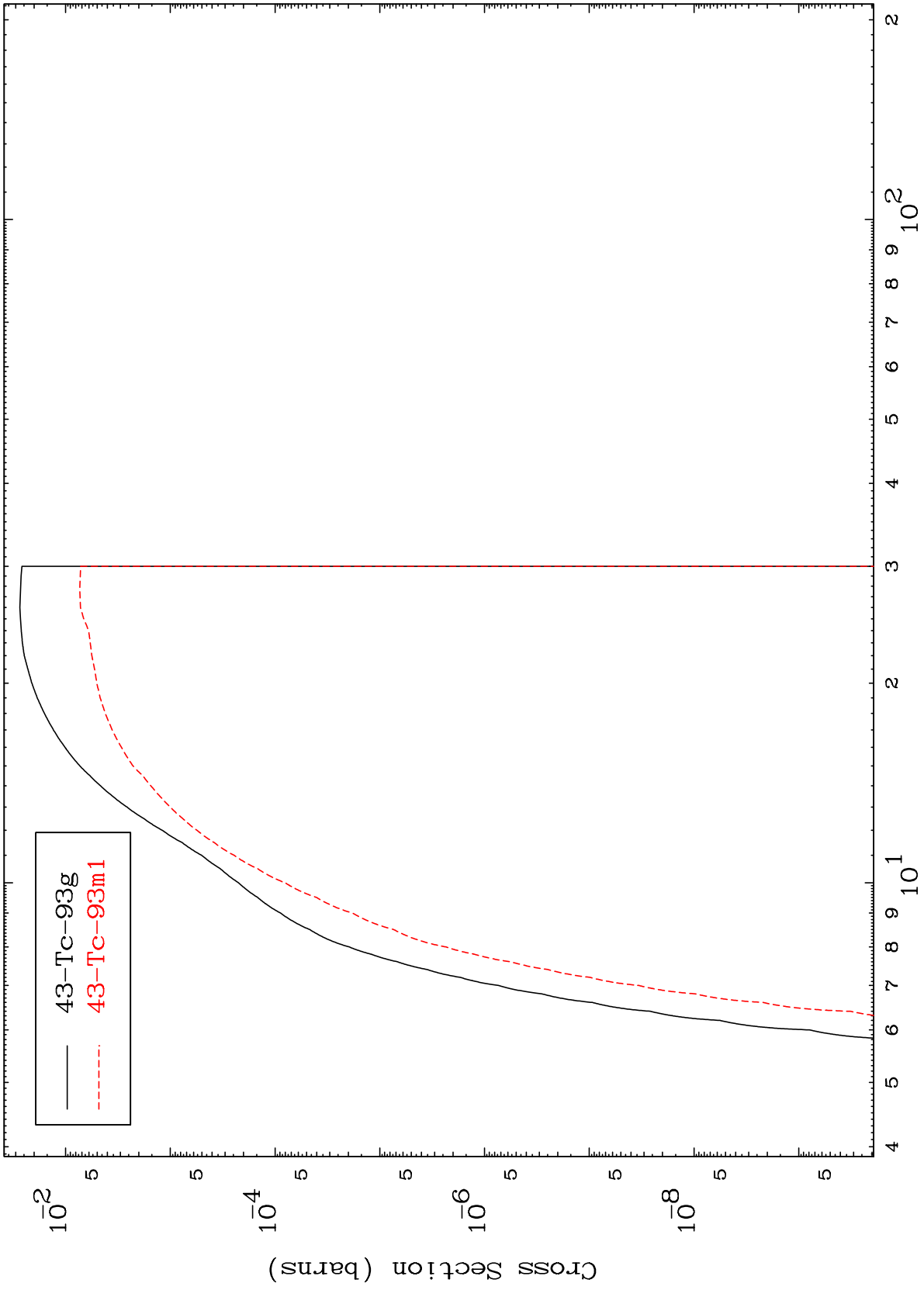
44-Ru-94

Incident Energy (MeV)

MAT 4419

44-Ru-94

(n,d)
Radionuclide Production Cross Section



— 43-Tc-93g
- - - 43-Tc-93m1

89

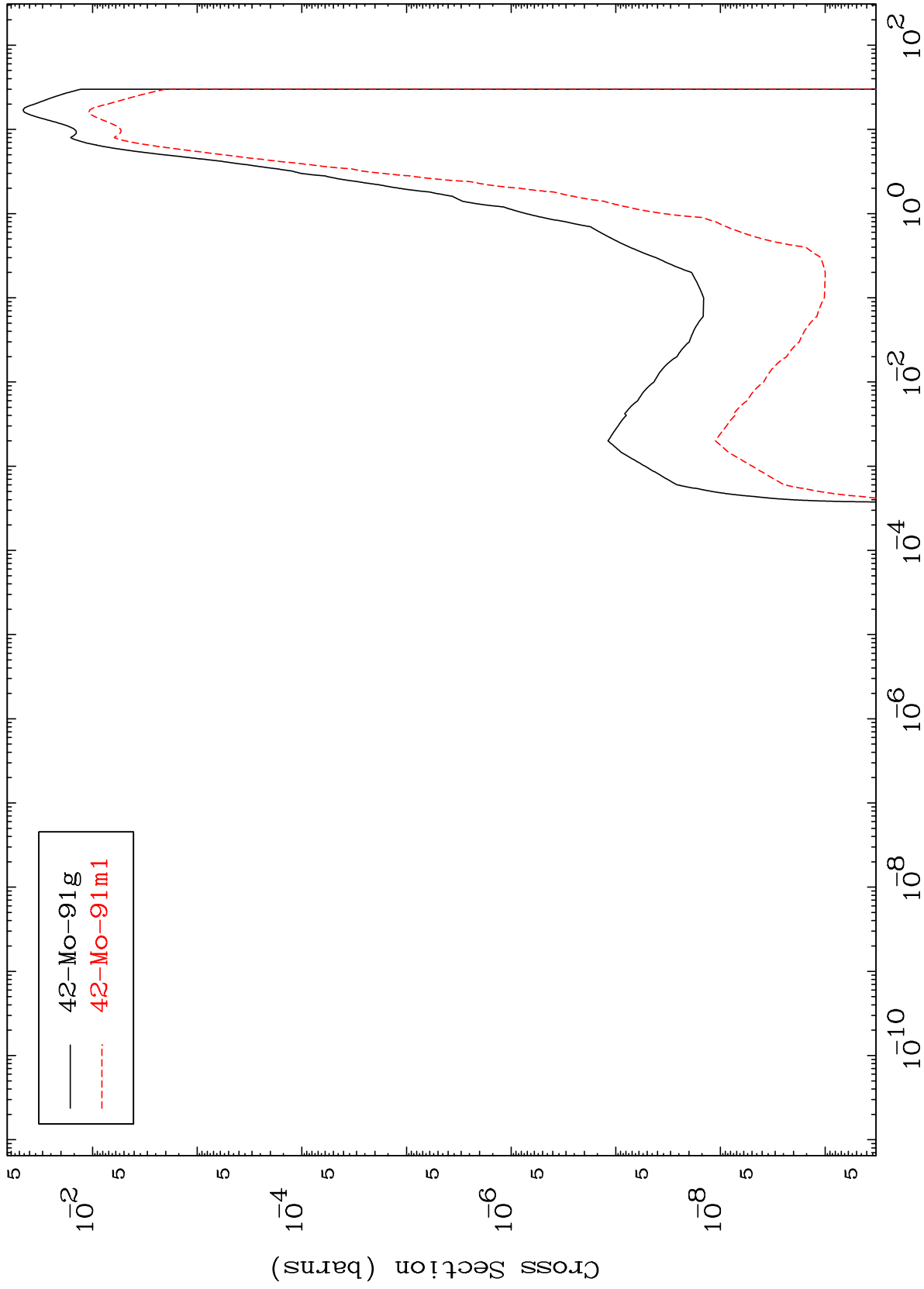
Incident Energy (MeV)

44-Ru-94

MAT 4419

(n,α)
Radionuclide Production Cross Section

44-Ru-94



— 42-Mo-91g
- - - 42-Mo-91m1

90

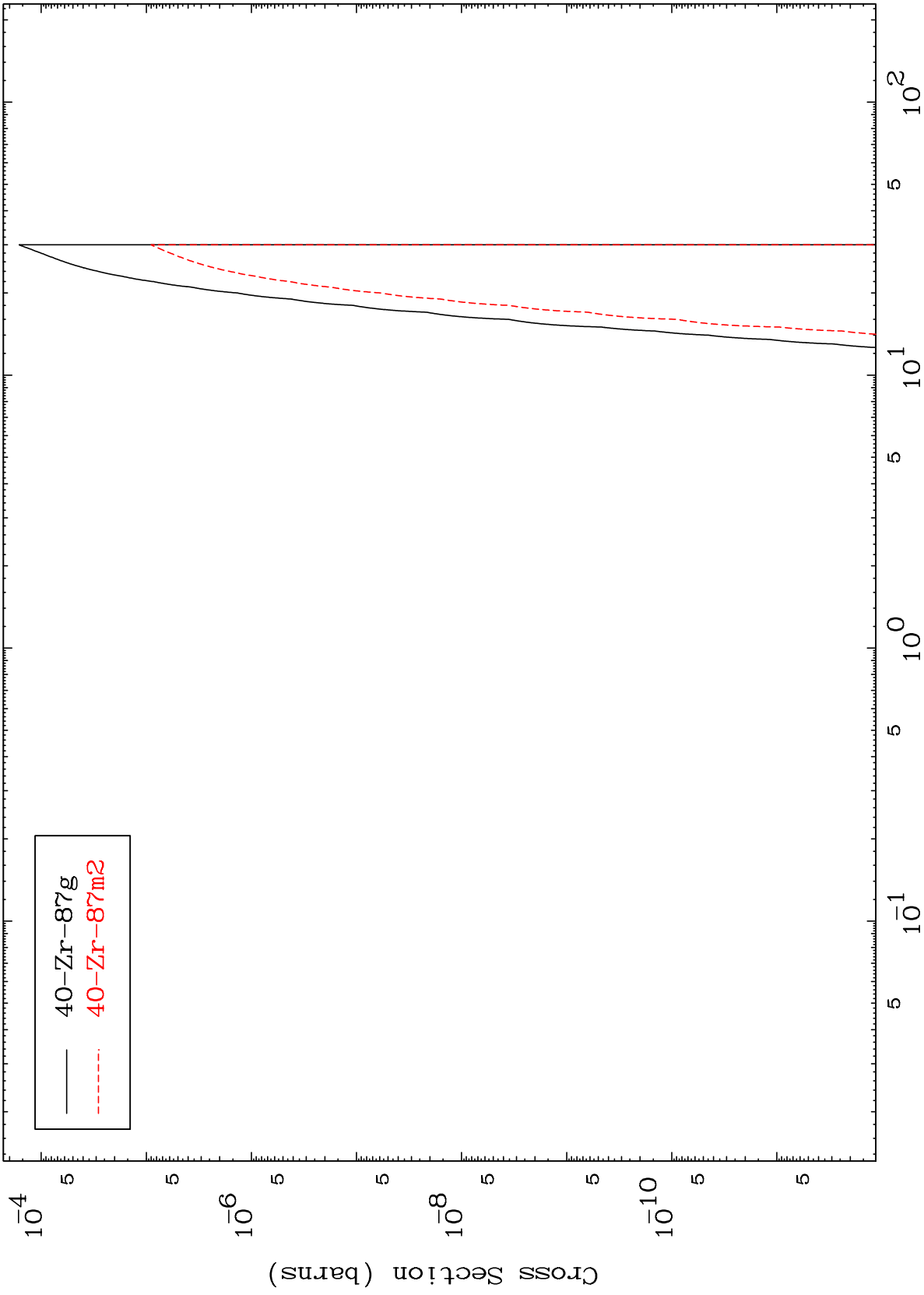
44-Ru-94

MAT 4419

(n,2α)

44-Ru-94

Radionuclide Production Cross Section

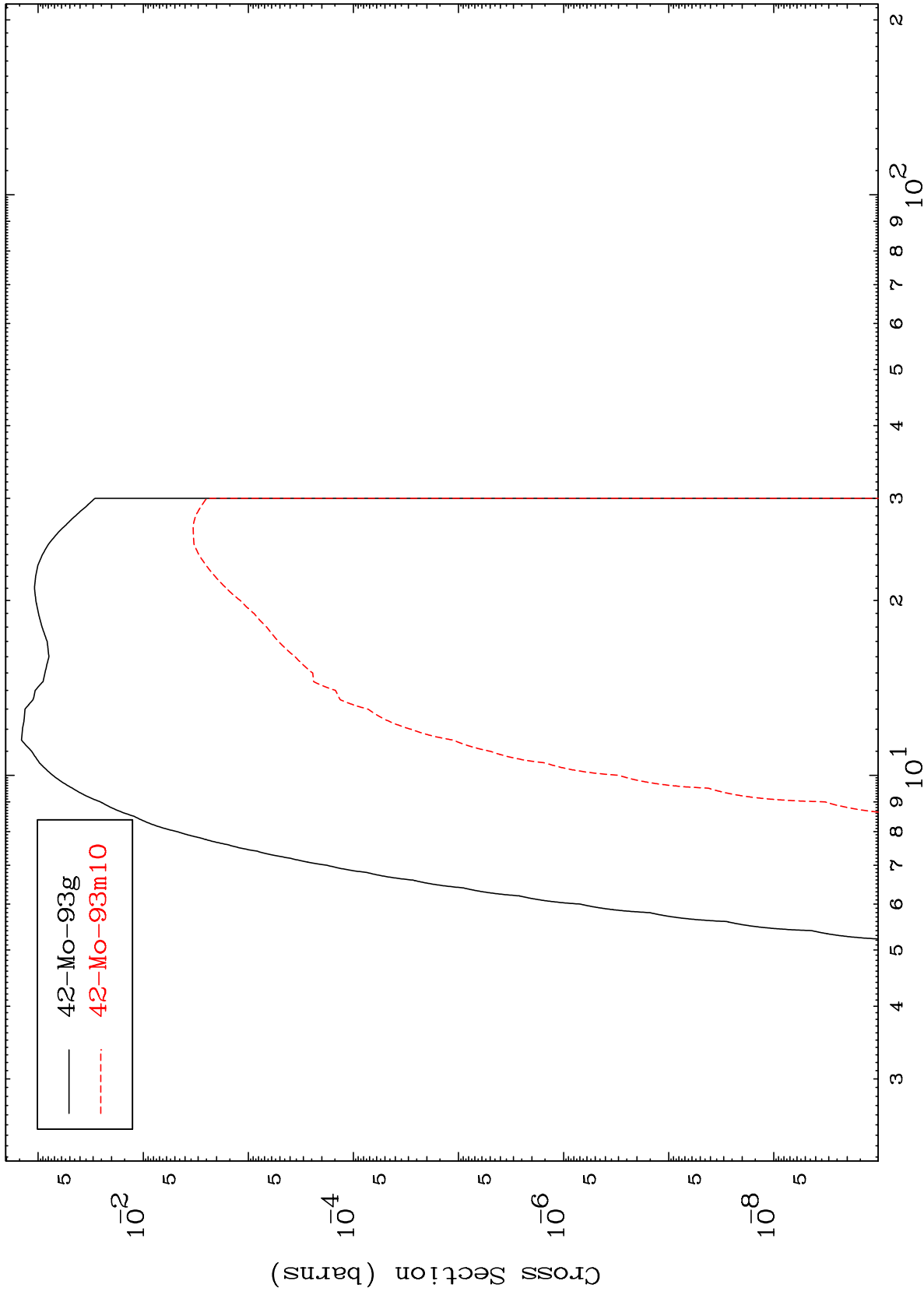


— 40-Zr-87g
- - - 40-Zr-87m2

MAT 4419

44-Ru-94

Radionuclide Production Cross Section
(n,2p)



92

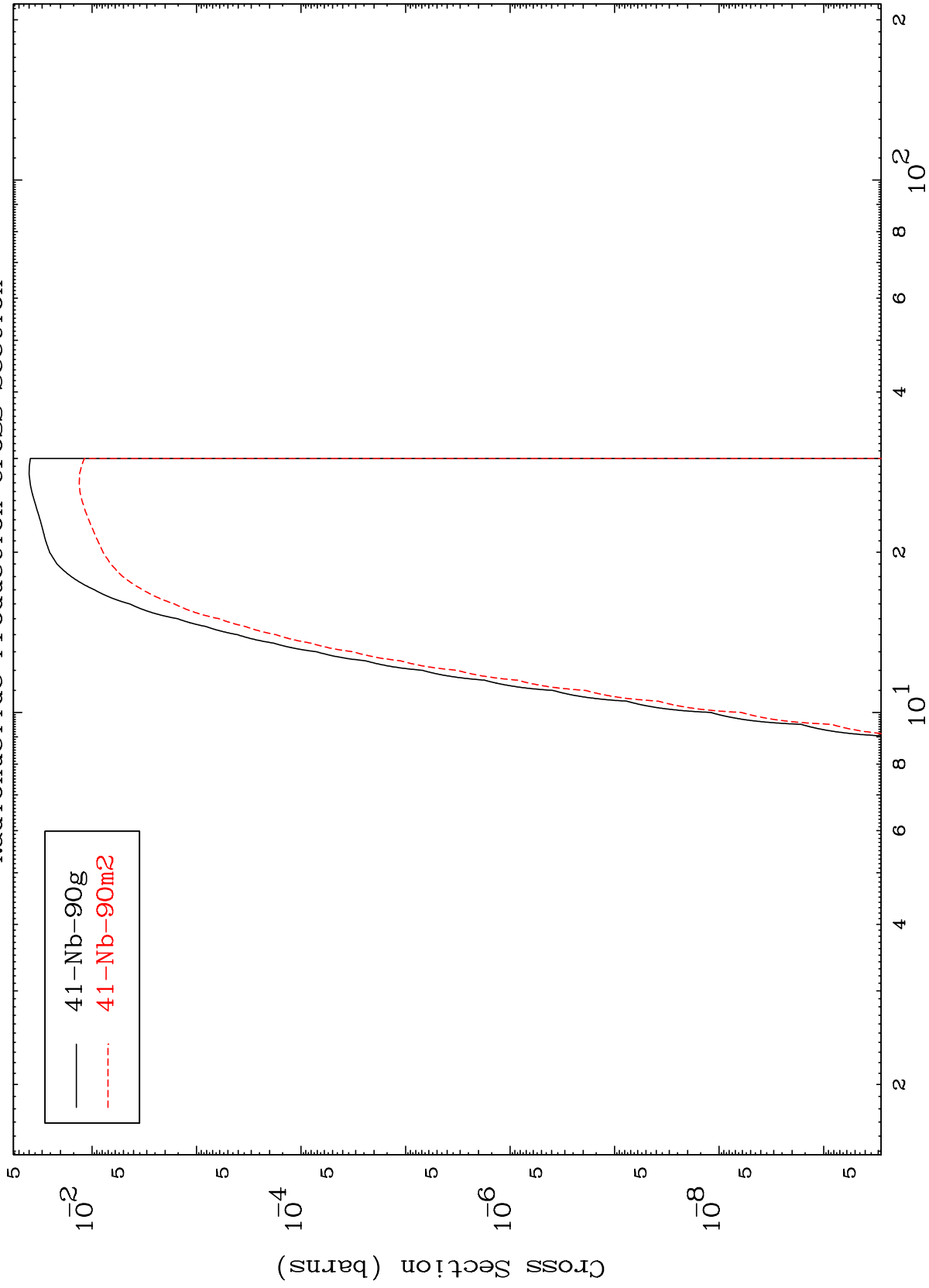
44-Ru-94

MAT 4419

(n,p) α

44-Ru-94

Radionuclide Production Cross Section



93

Incident Energy (MeV)

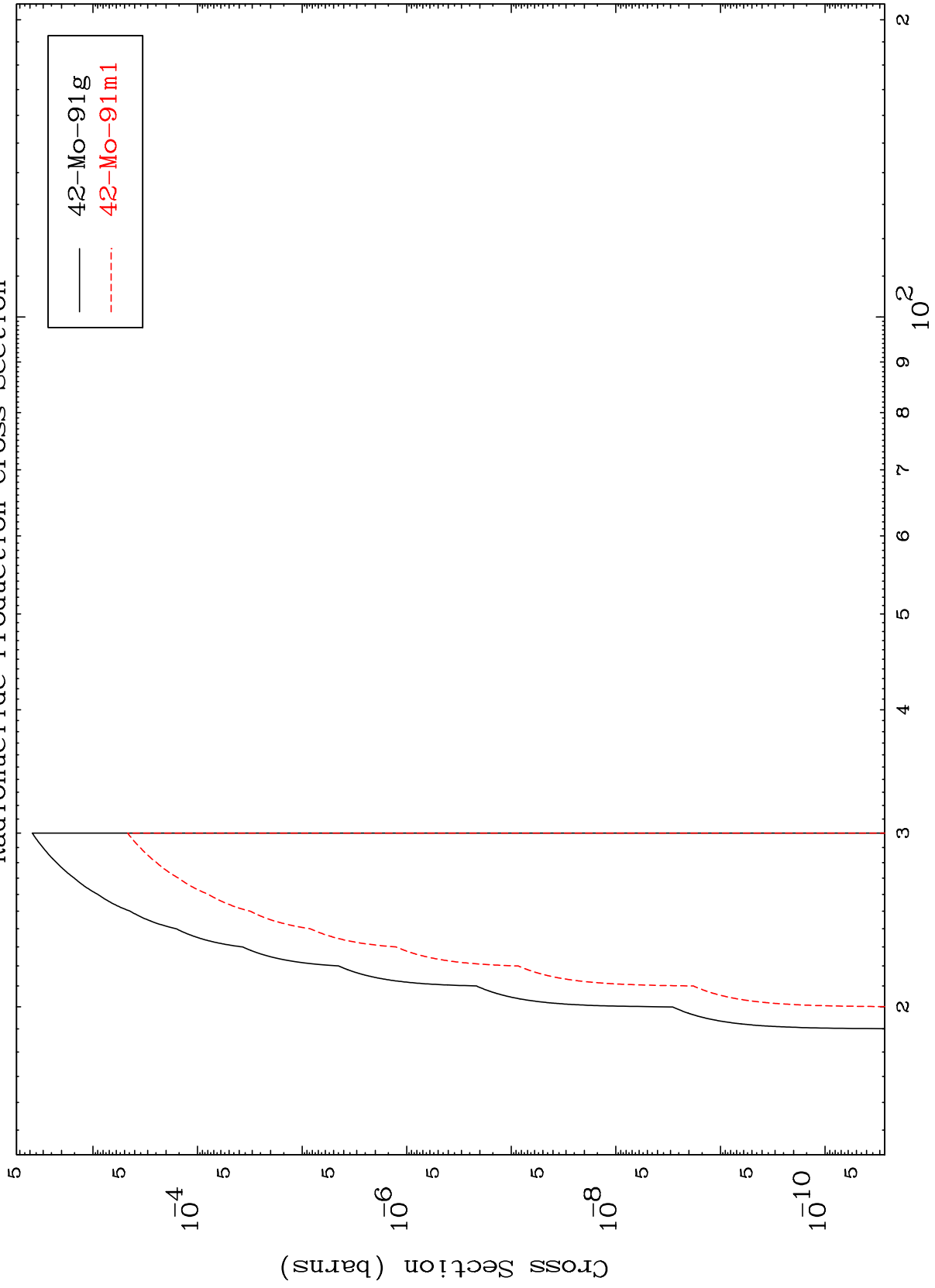
44-Ru-94

MAT 4419

(n,p) t

44-Ru-94

Radionuclide Production Cross Section



94

Incident Energy (MeV)

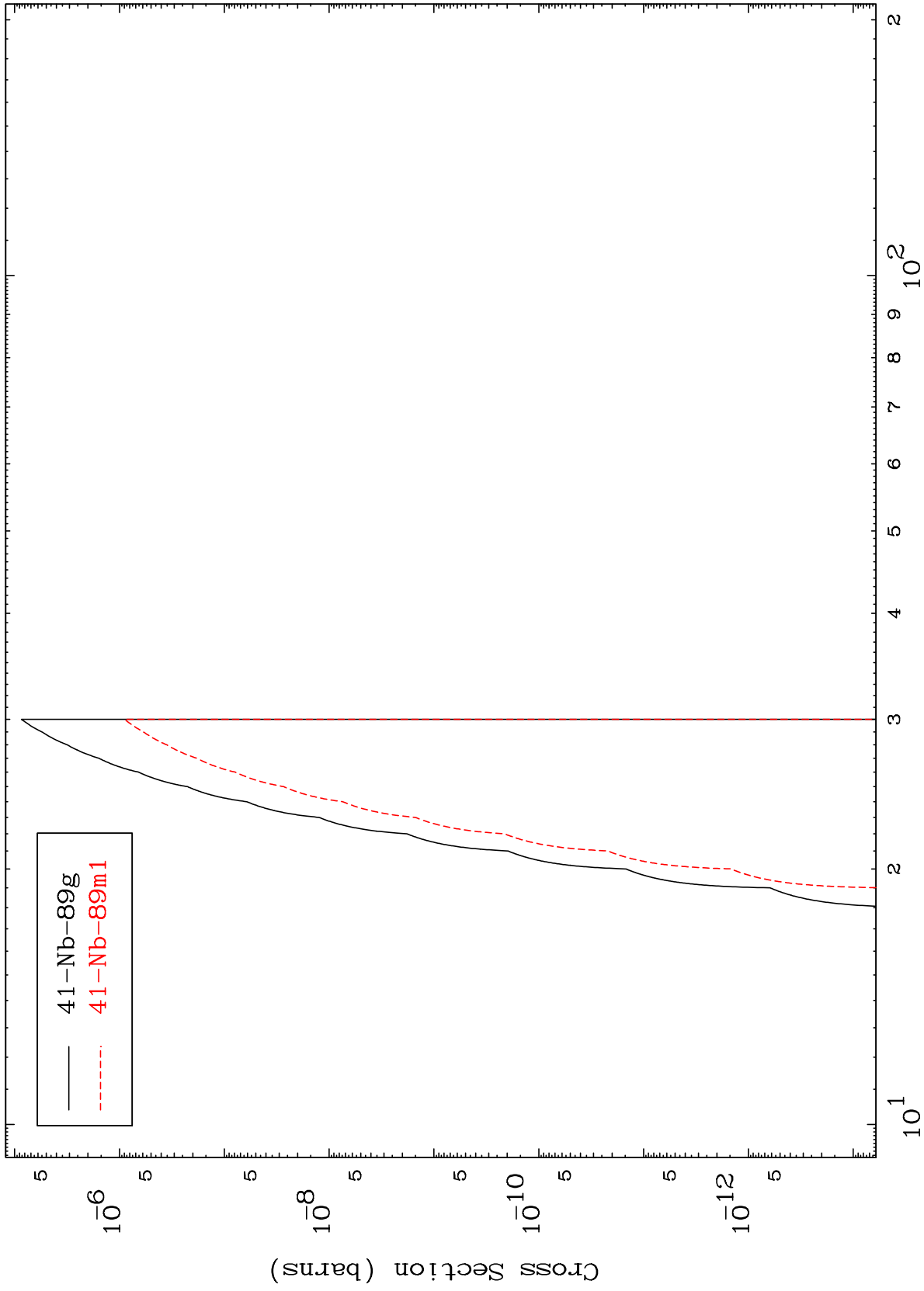
44-Ru-94

MAT 4419

(n,d) α

44-Ru-94

Radionuclide Production Cross Section



95

44-Ru-94