

Program EVALPLOT  
(Version 2017-1)

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

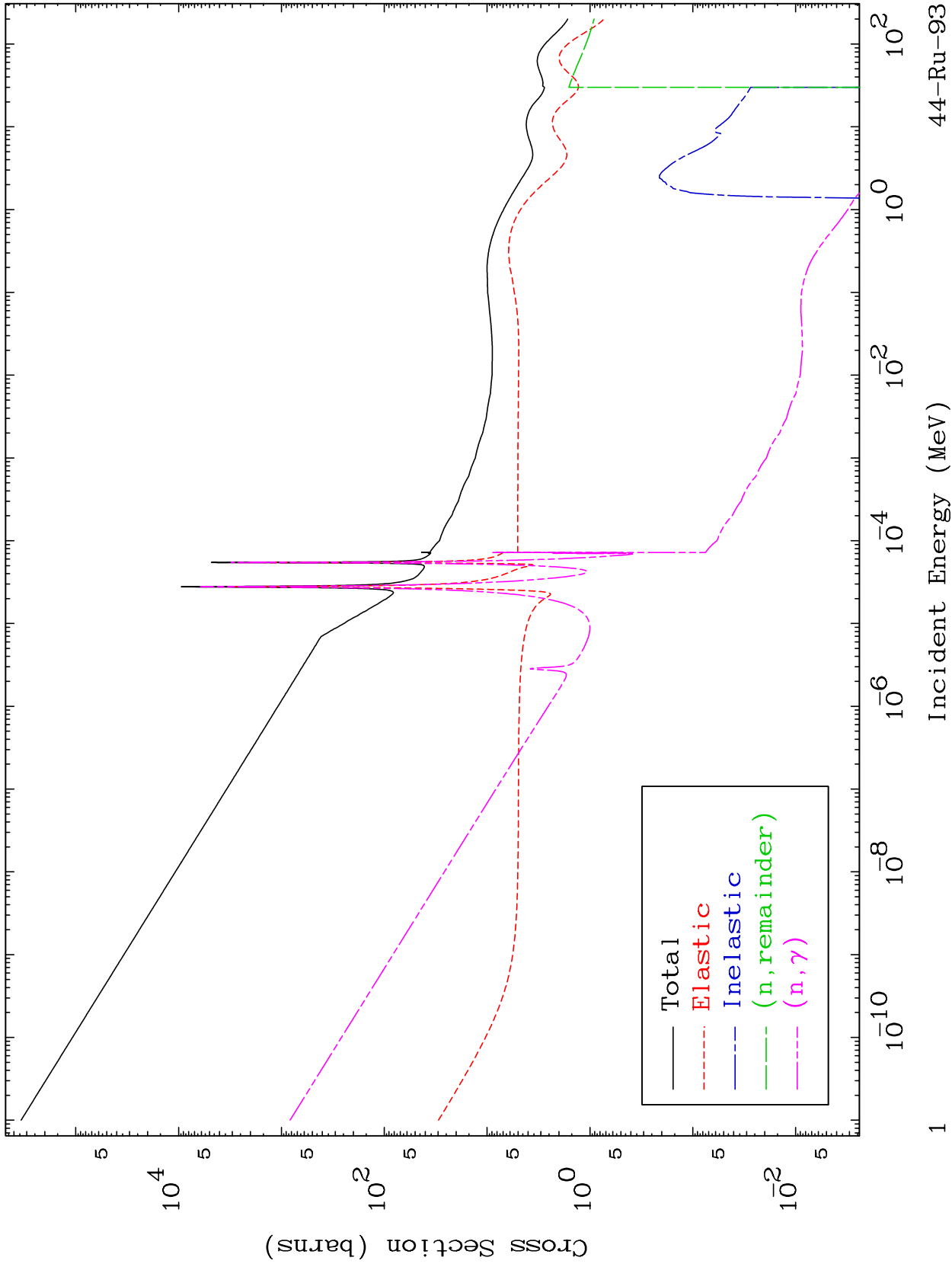
Web:redcullen1.net/HOMEPAGE.NEW

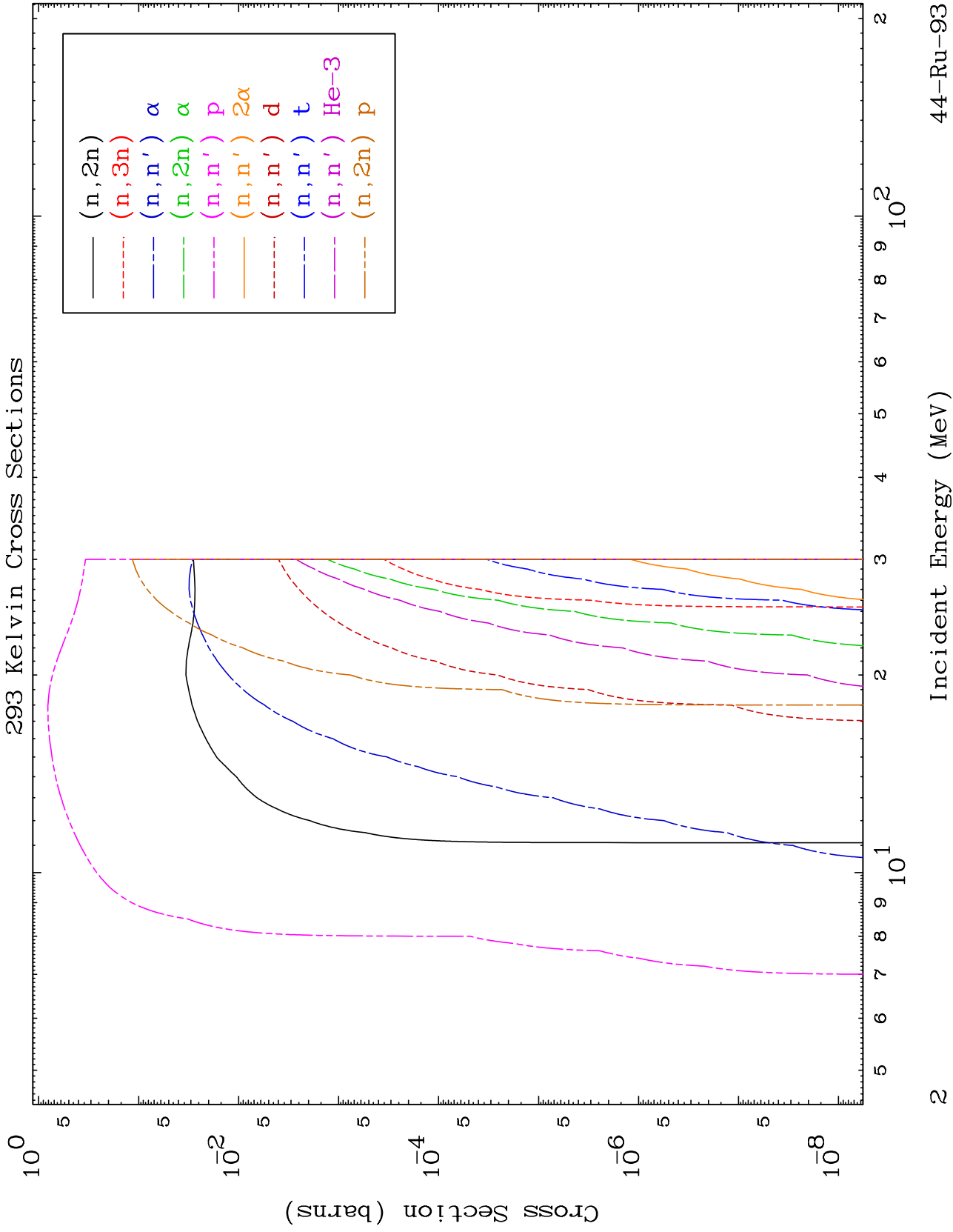
Press Mouse Button to Start

MAT 4416

Major  
293 Kelvin Cross Sections

44-Ru-93

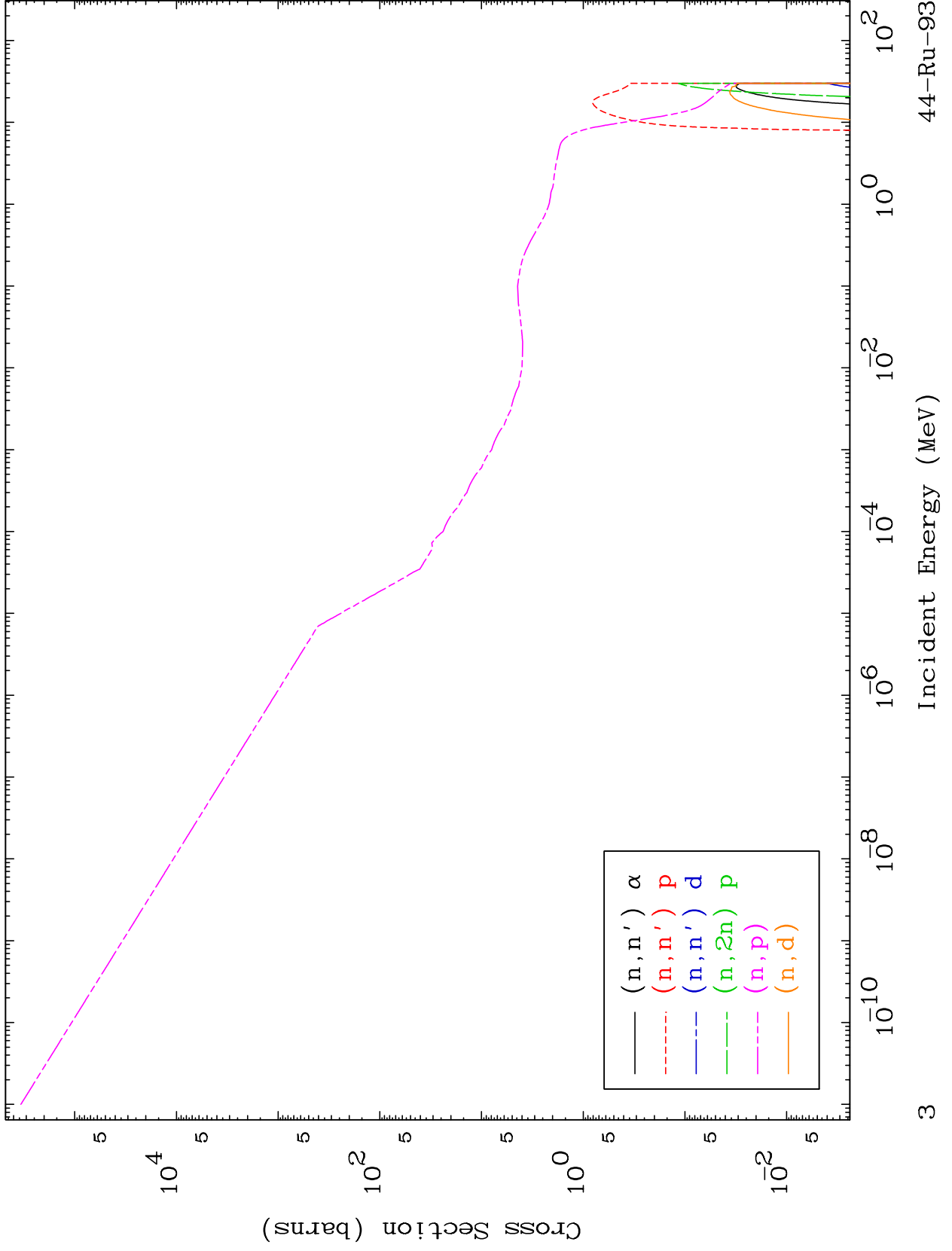




MAT 4416

Charged Particle  
293 Kelvin Cross Sections

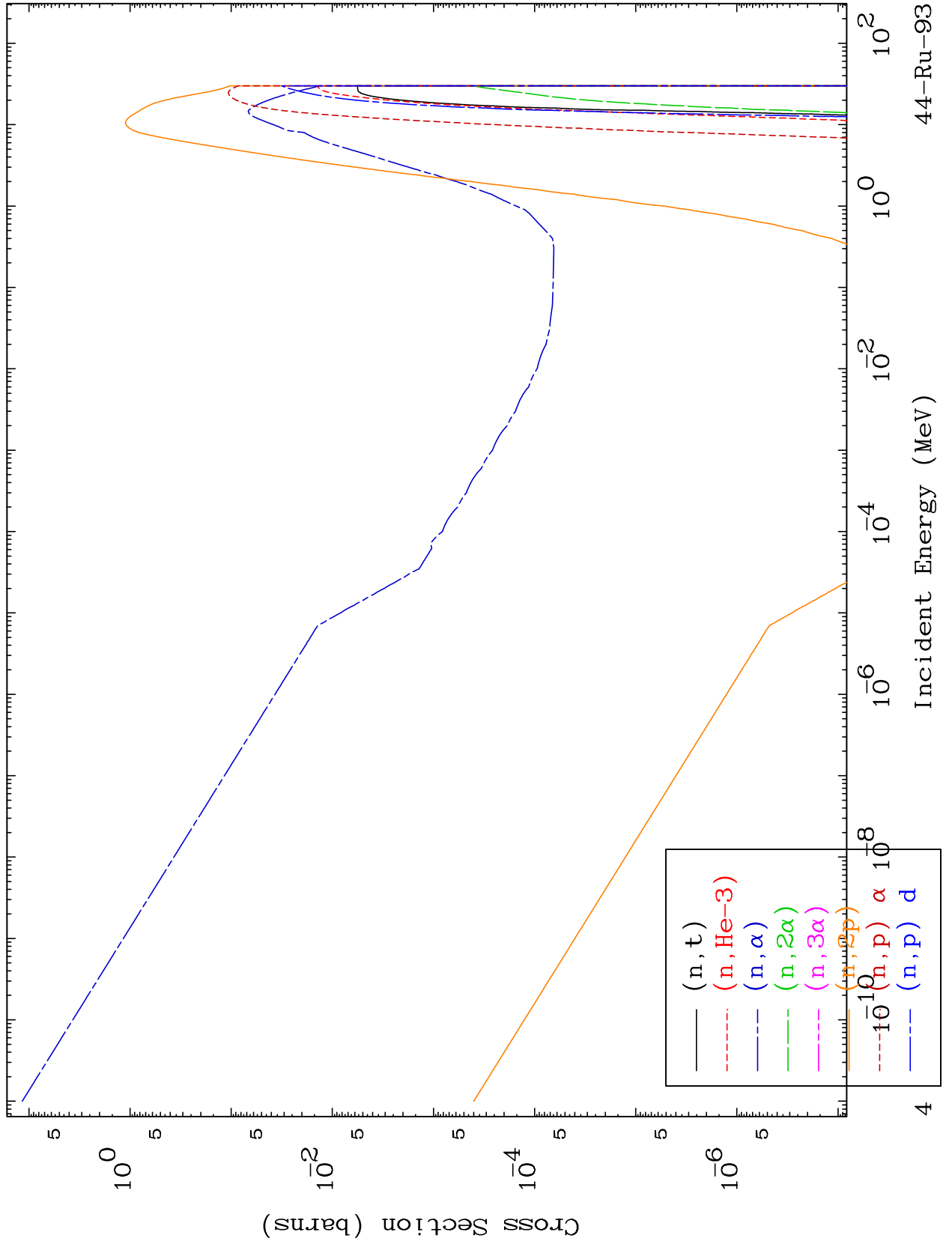
44-Ru-93



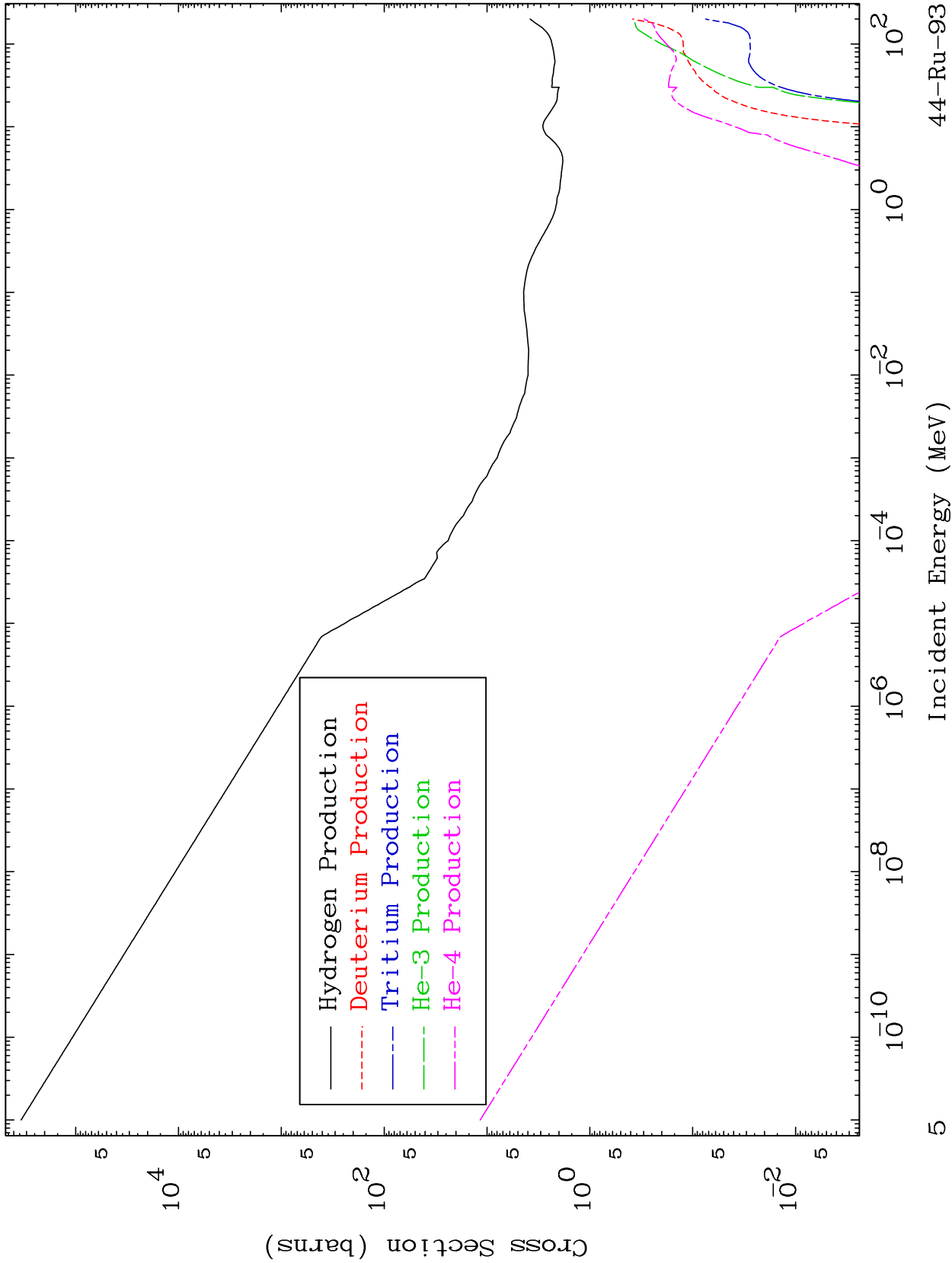
MAT 4416

Charged Particle  
293 Kelvin Cross Sections

44-Ru-93



4

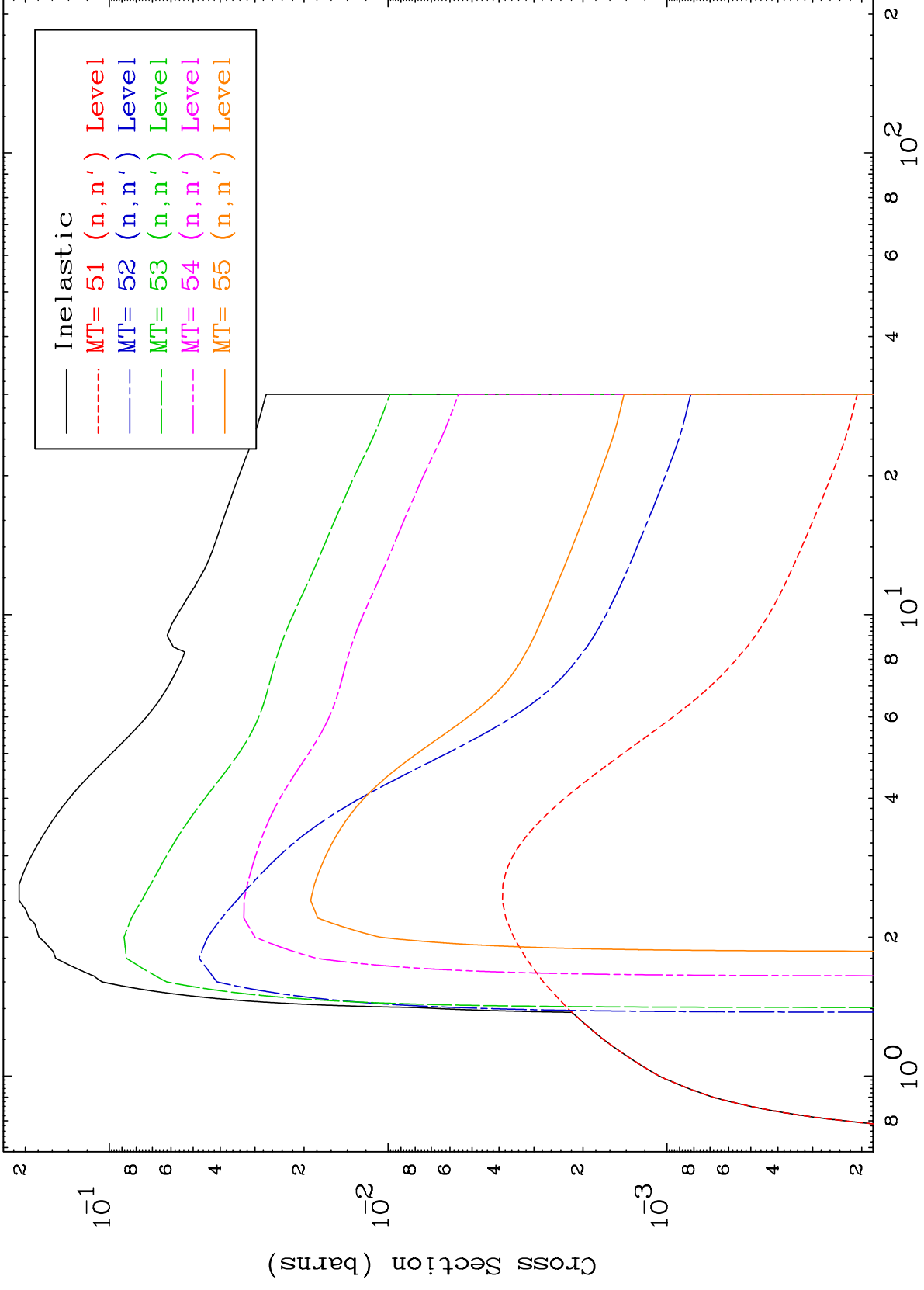


MAT 4416

(n,n') Level

44-Ru-93

293 Kelvin Cross Sections



6

Incident Energy (MeV)

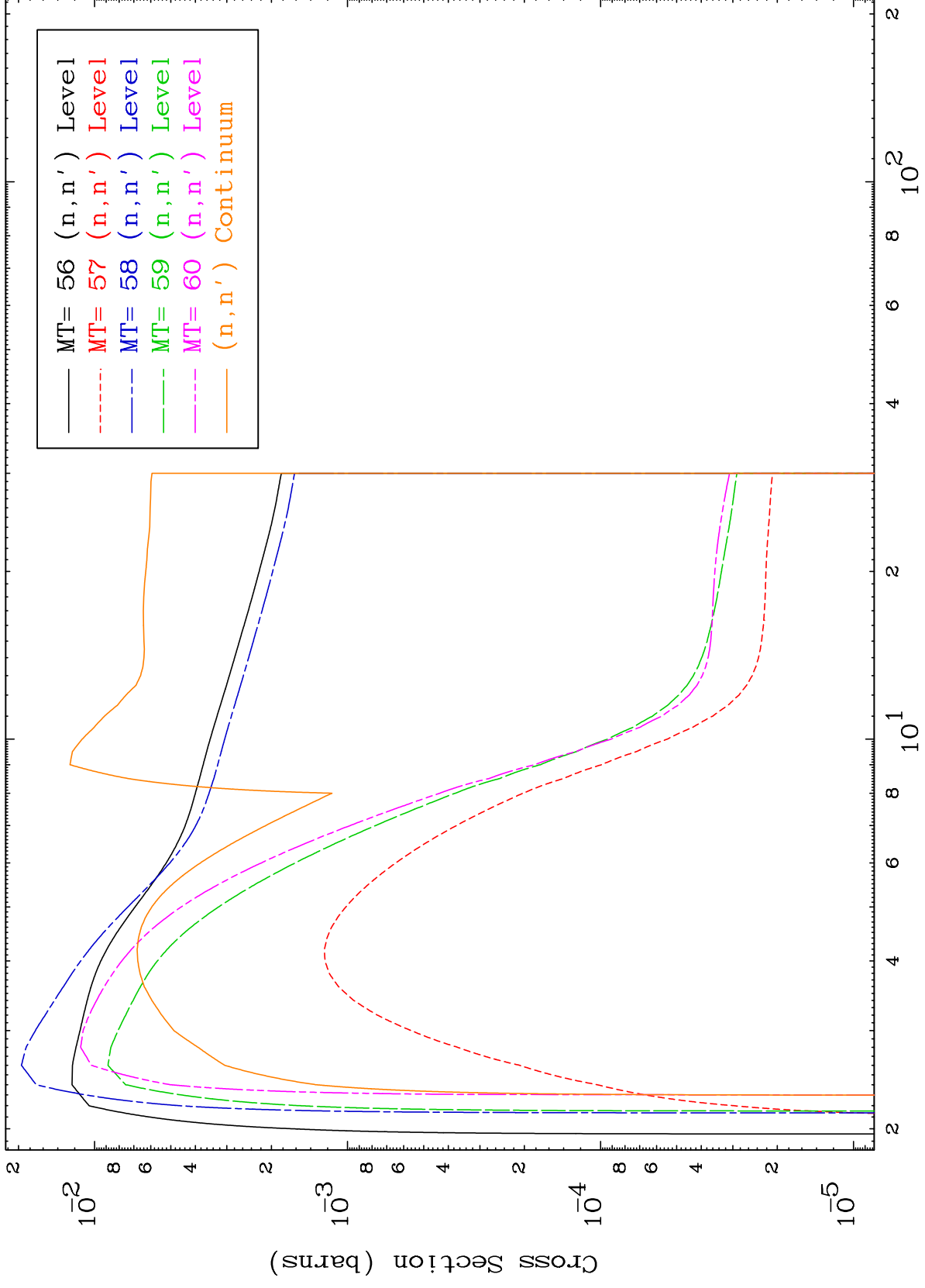
44-Ru-93

MAT 4416

(n,n') Level

44-Ru-93

293 Kelvin Cross Sections



7

Incident Energy (MeV)

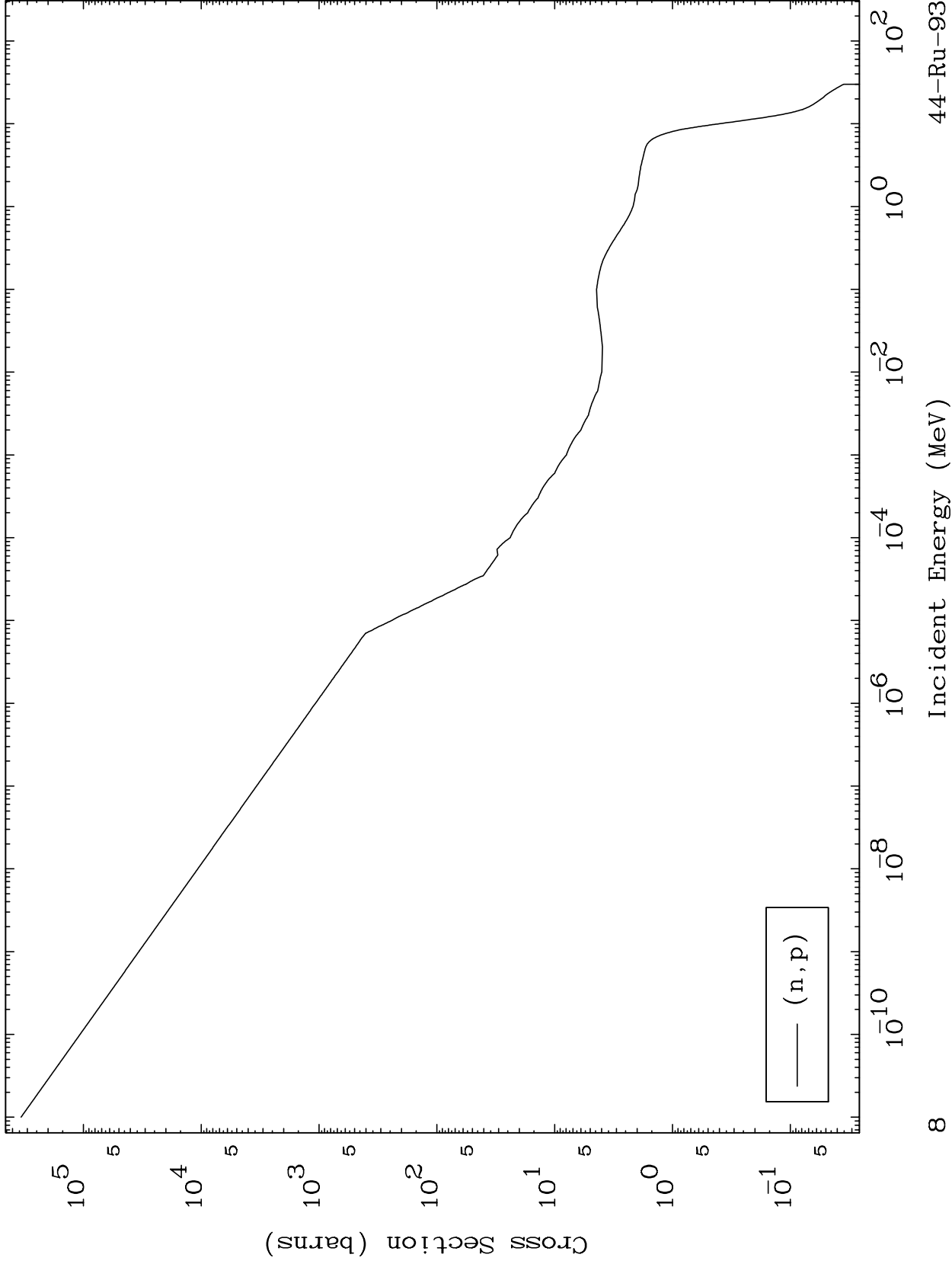
44-Ru-93



MAT 4416

(n,p) Levels  
293 Kelvin Cross Sections

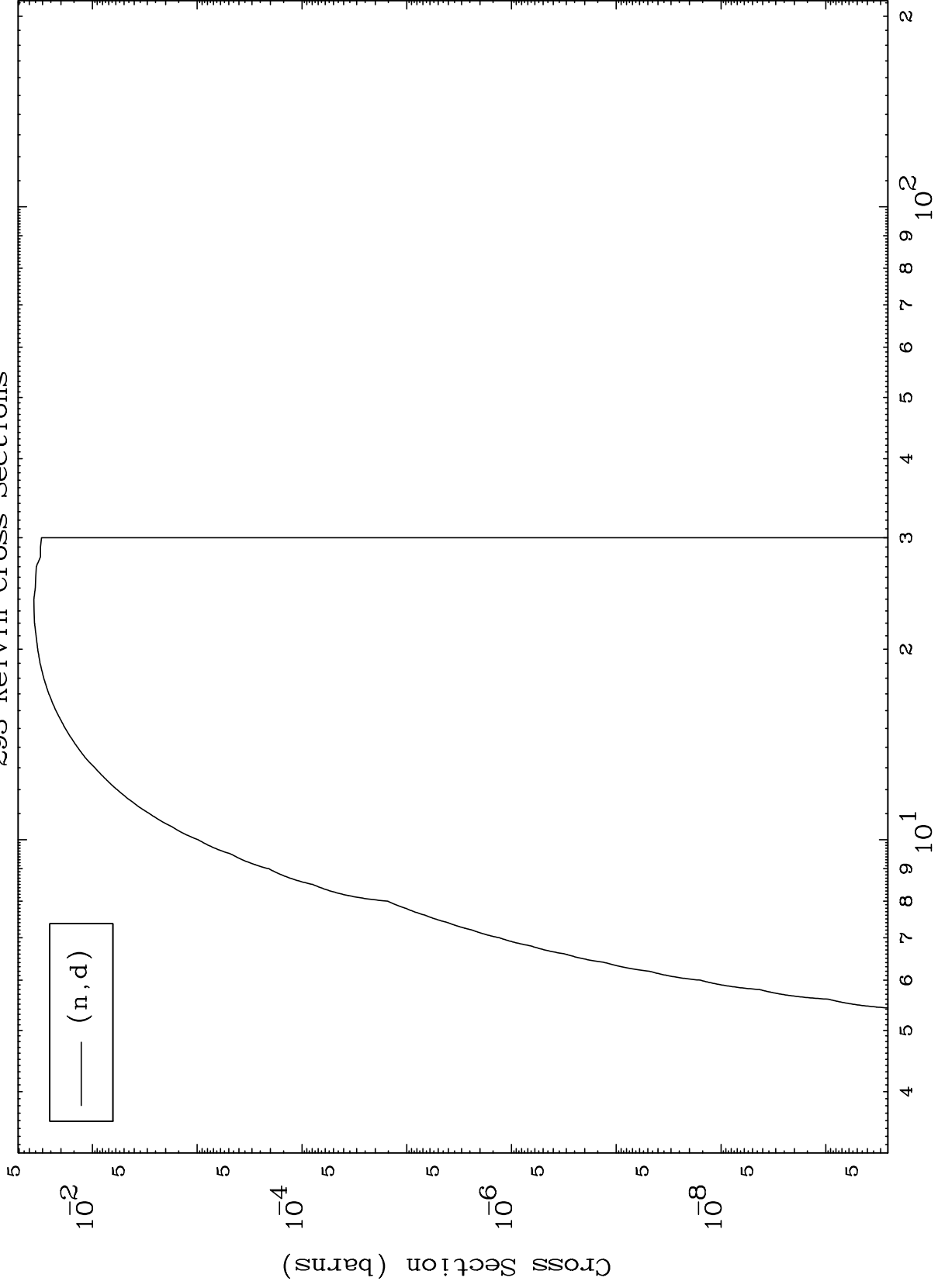
44-Ru-93



MAT 4416

(n,d) Levels  
293 Kelvin Cross Sections

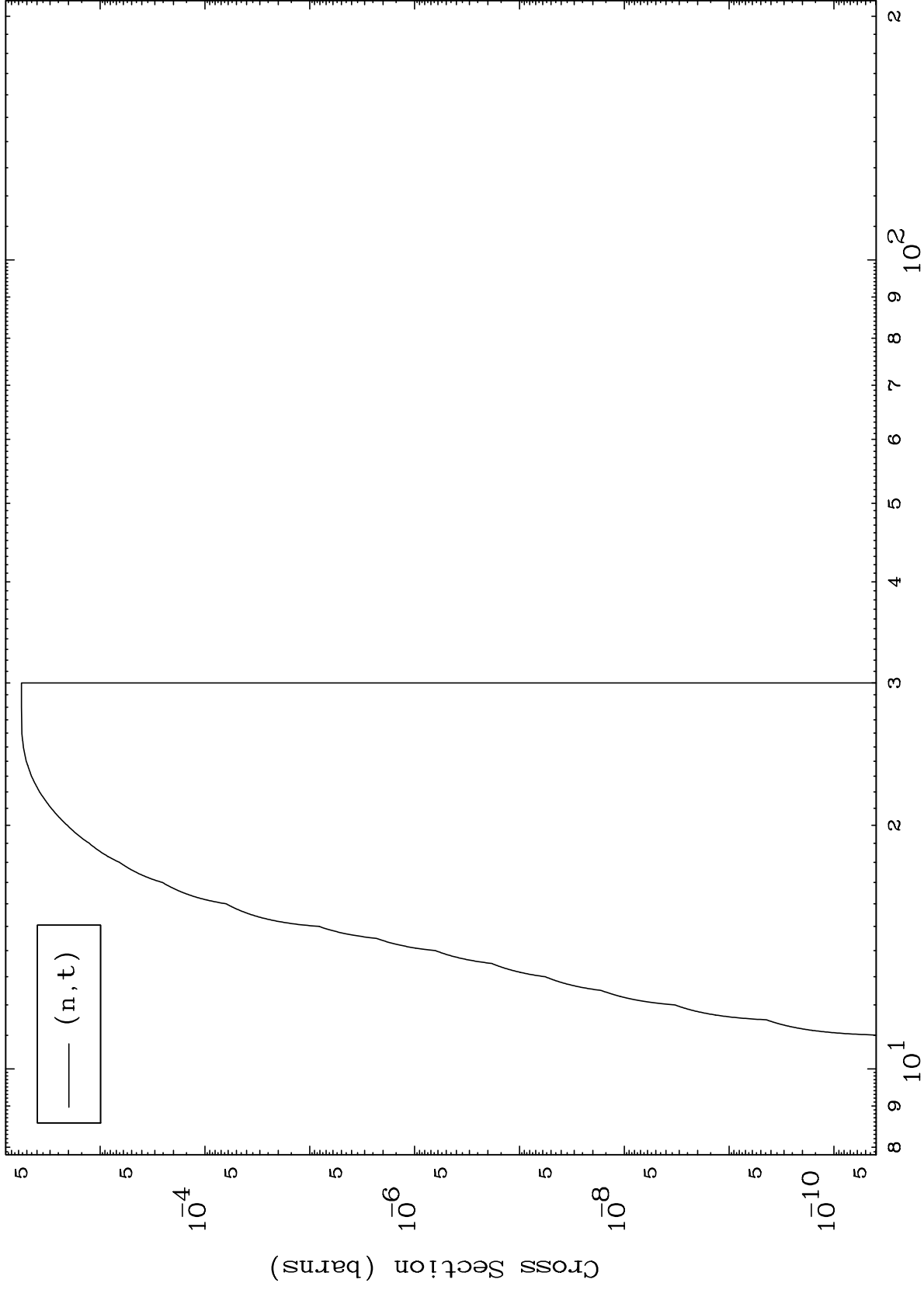
44-Ru-93



MAT 4416

(n,t) Levels  
293 Kelvin Cross Sections

44-Ru-93



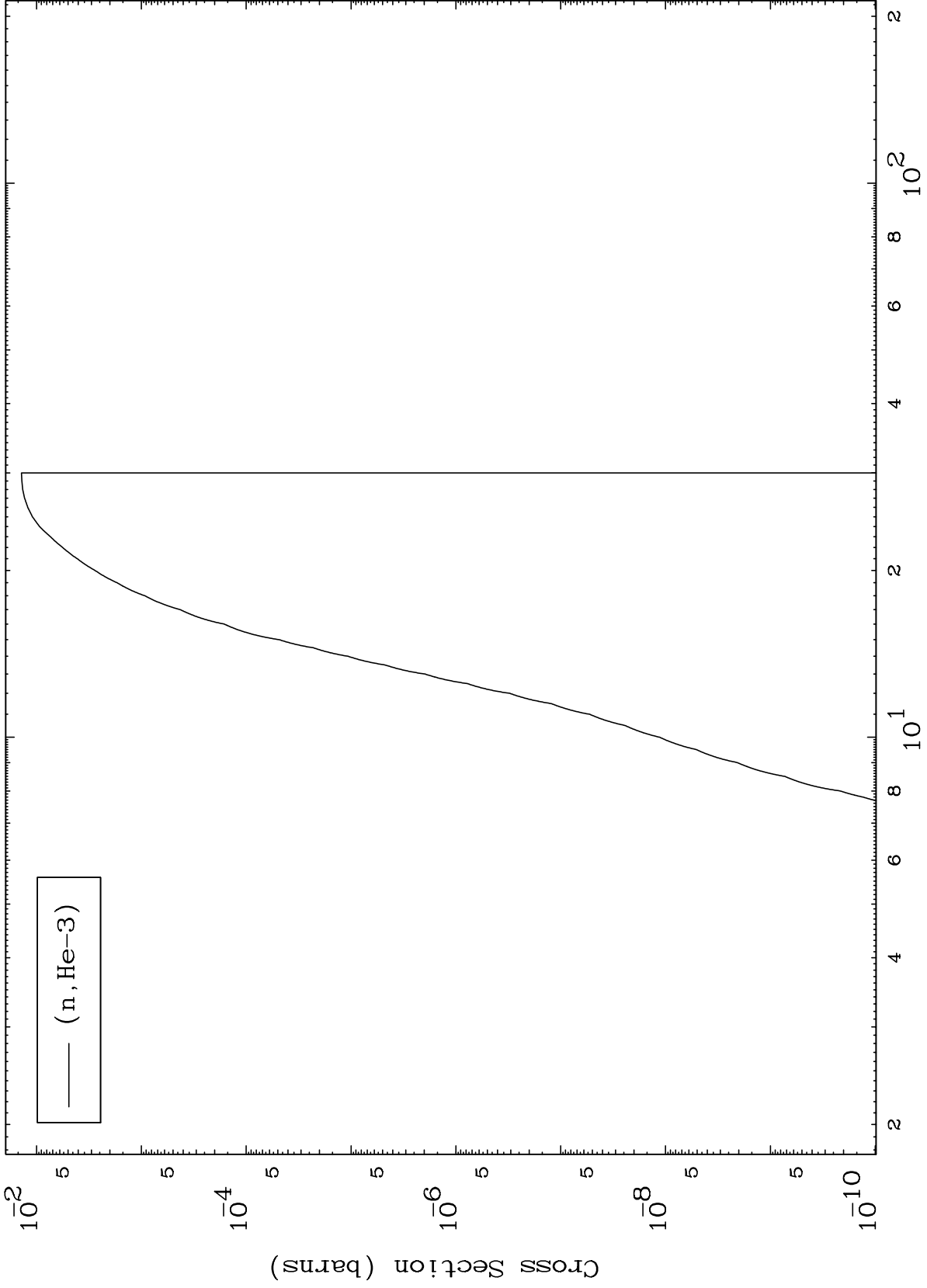
Incident Energy (MeV)

44-Ru-93

MAT 4416

(n,He3) Levels  
293 Kelvin Cross Sections

44-Ru-93



11

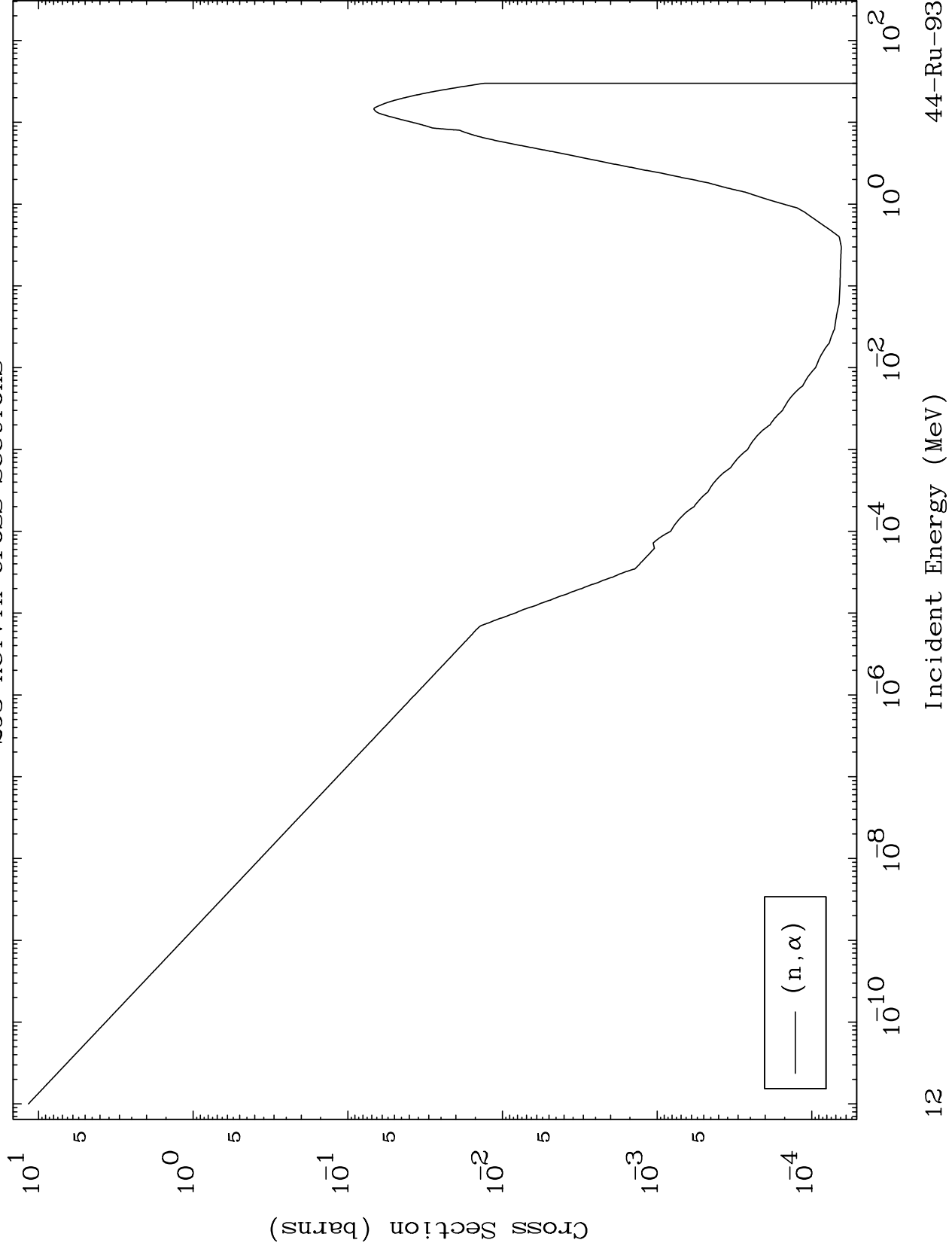
Incident Energy (MeV)

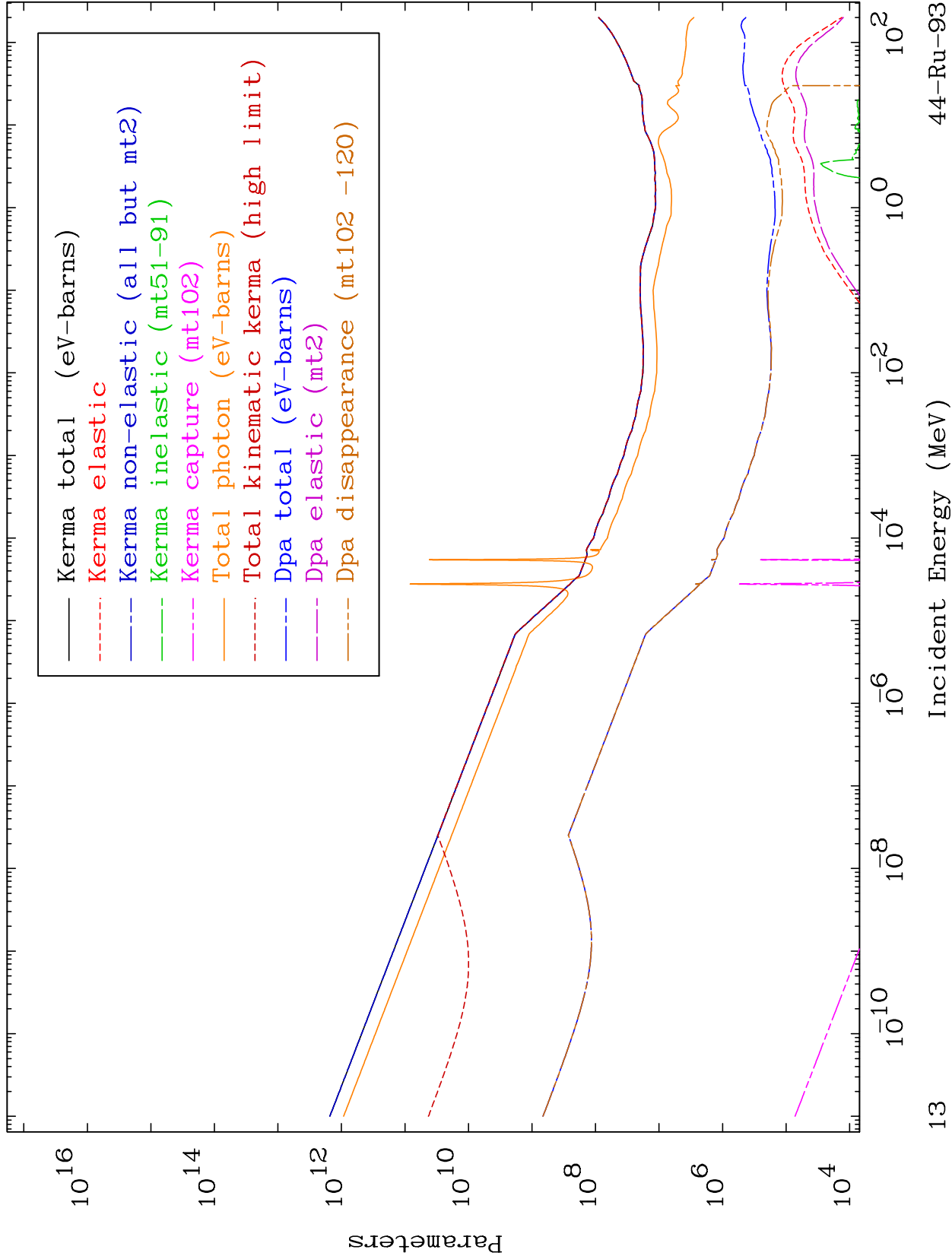
44-Ru-93

MAT 4416

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

44-Ru-93

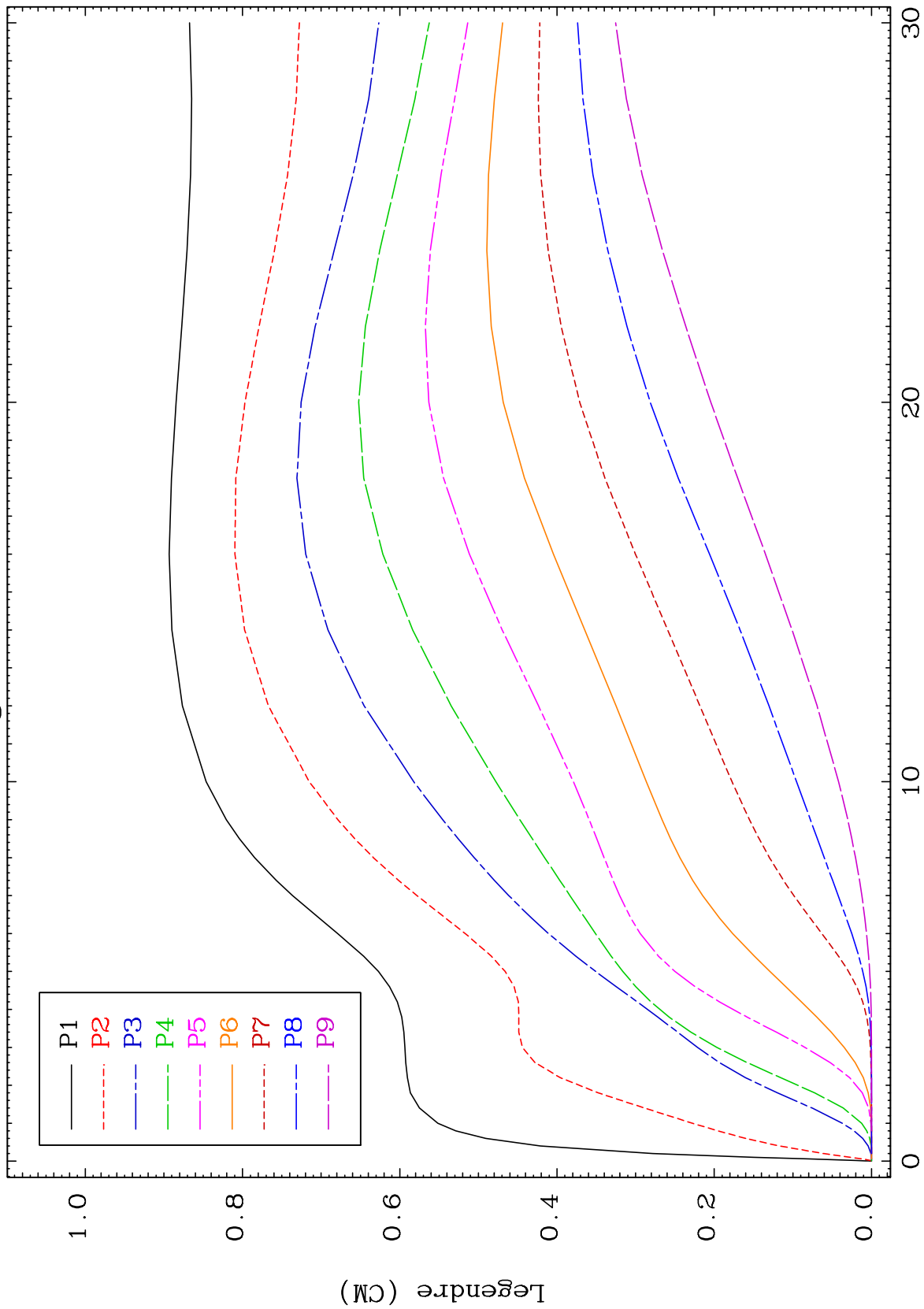




MAT 4416

Elastic Legendre Coefficients

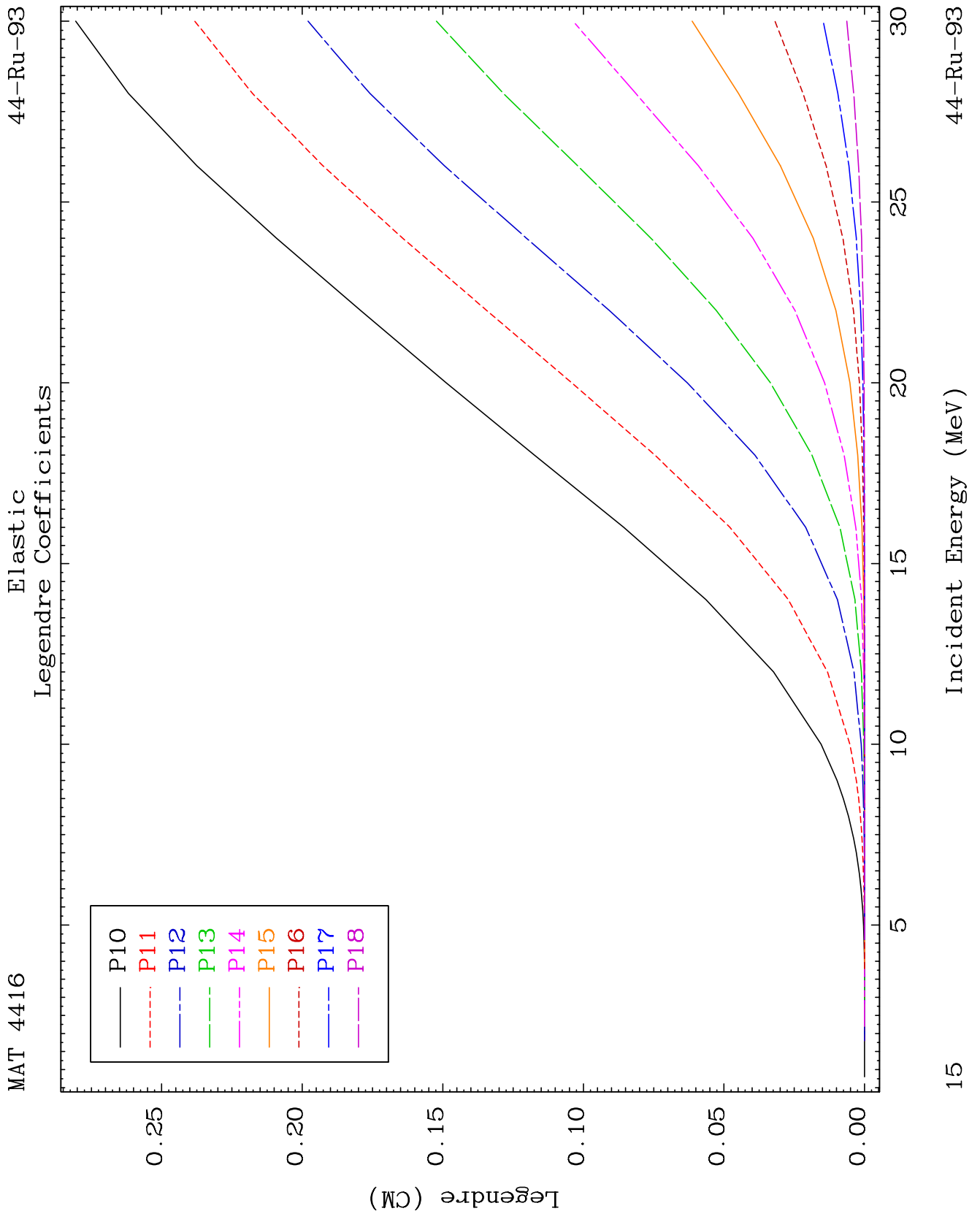
44-Ru-93



14

Incident Energy (MeV)

44-Ru-93

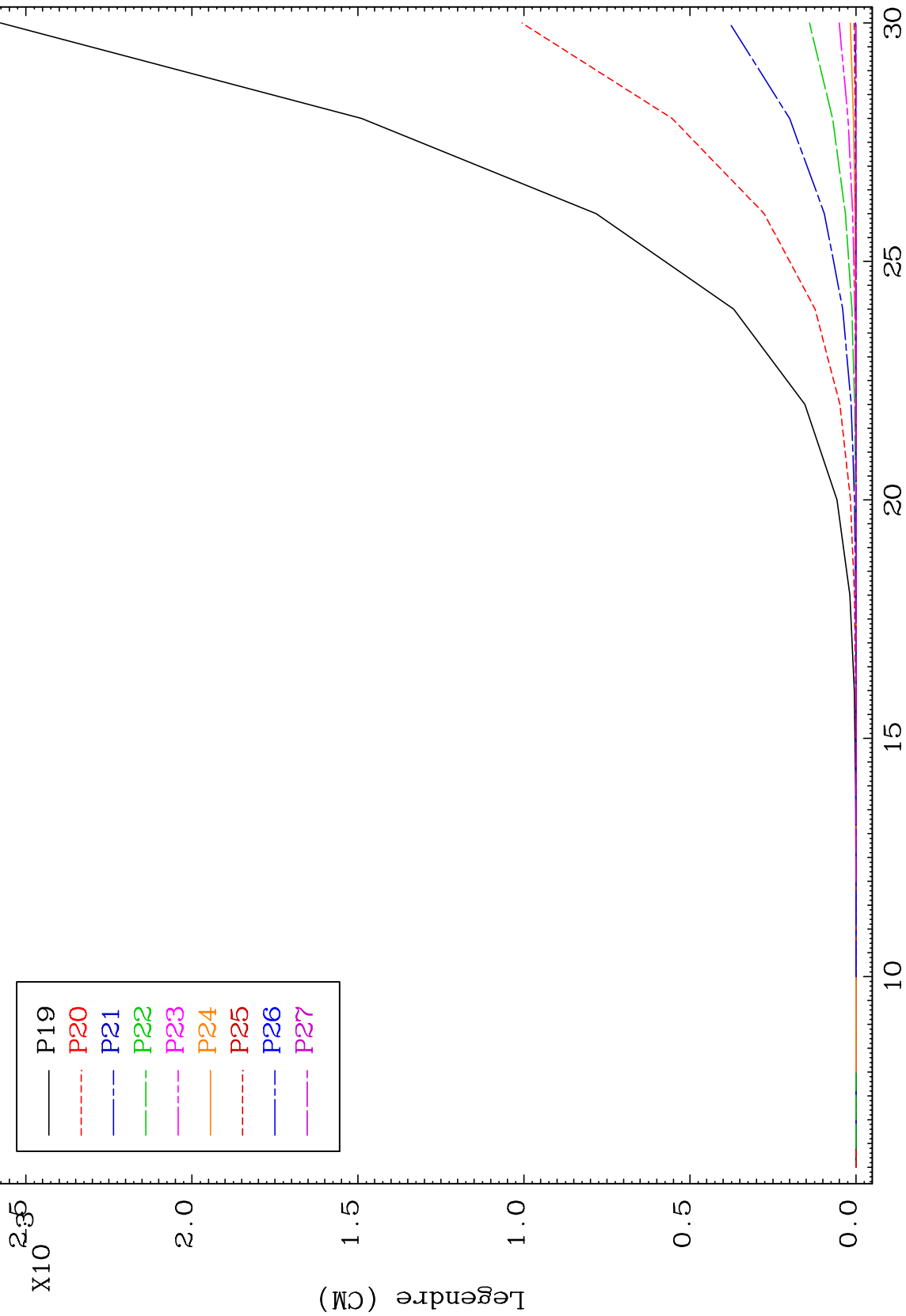




MAT 4416

Elastic  
Legendre Coefficients

44-Ru-93



16

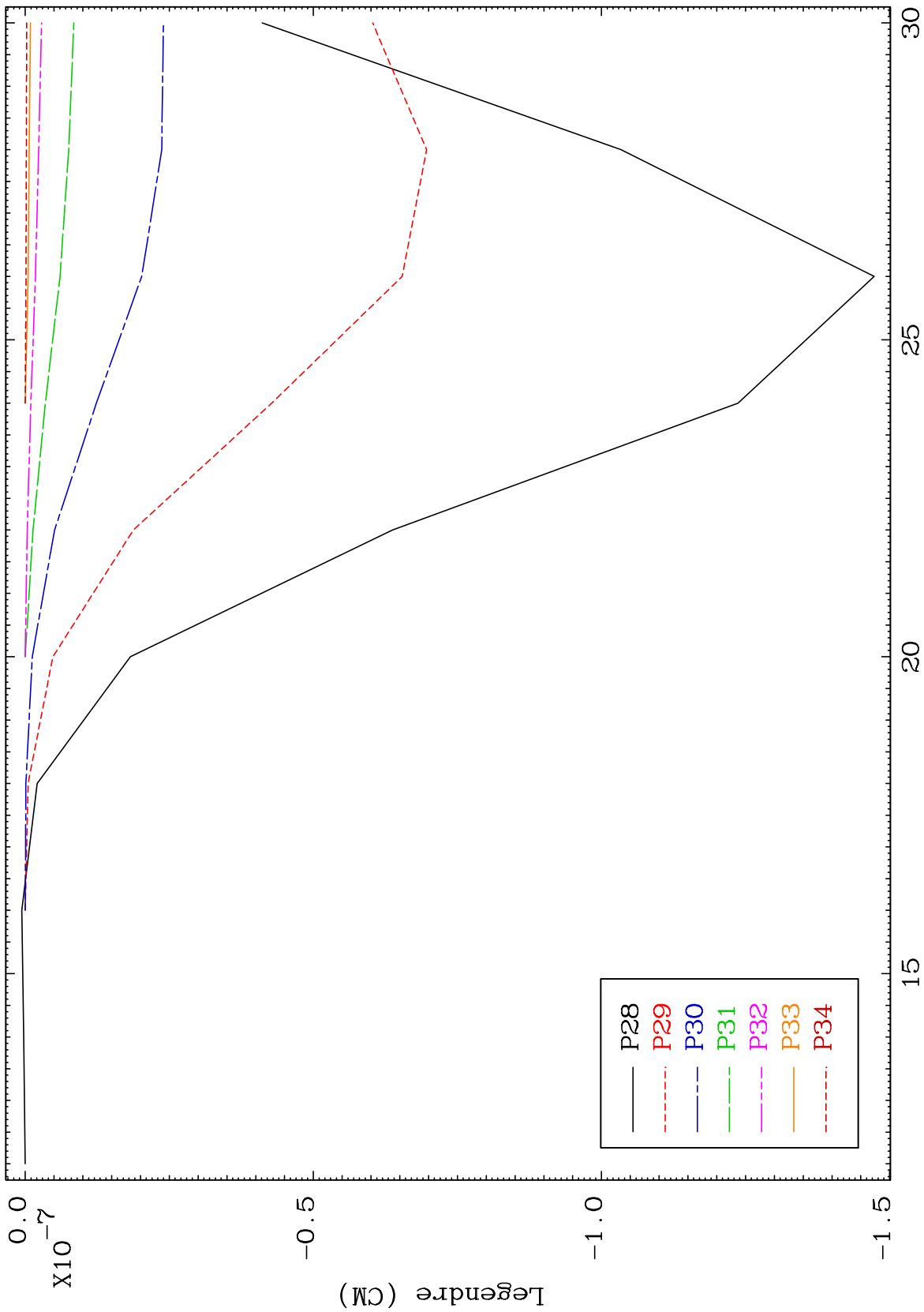
Incident Energy (MeV)

44-Ru-93

MAT 4416

44-Ru-93

Elastic Legendre Coefficients



17

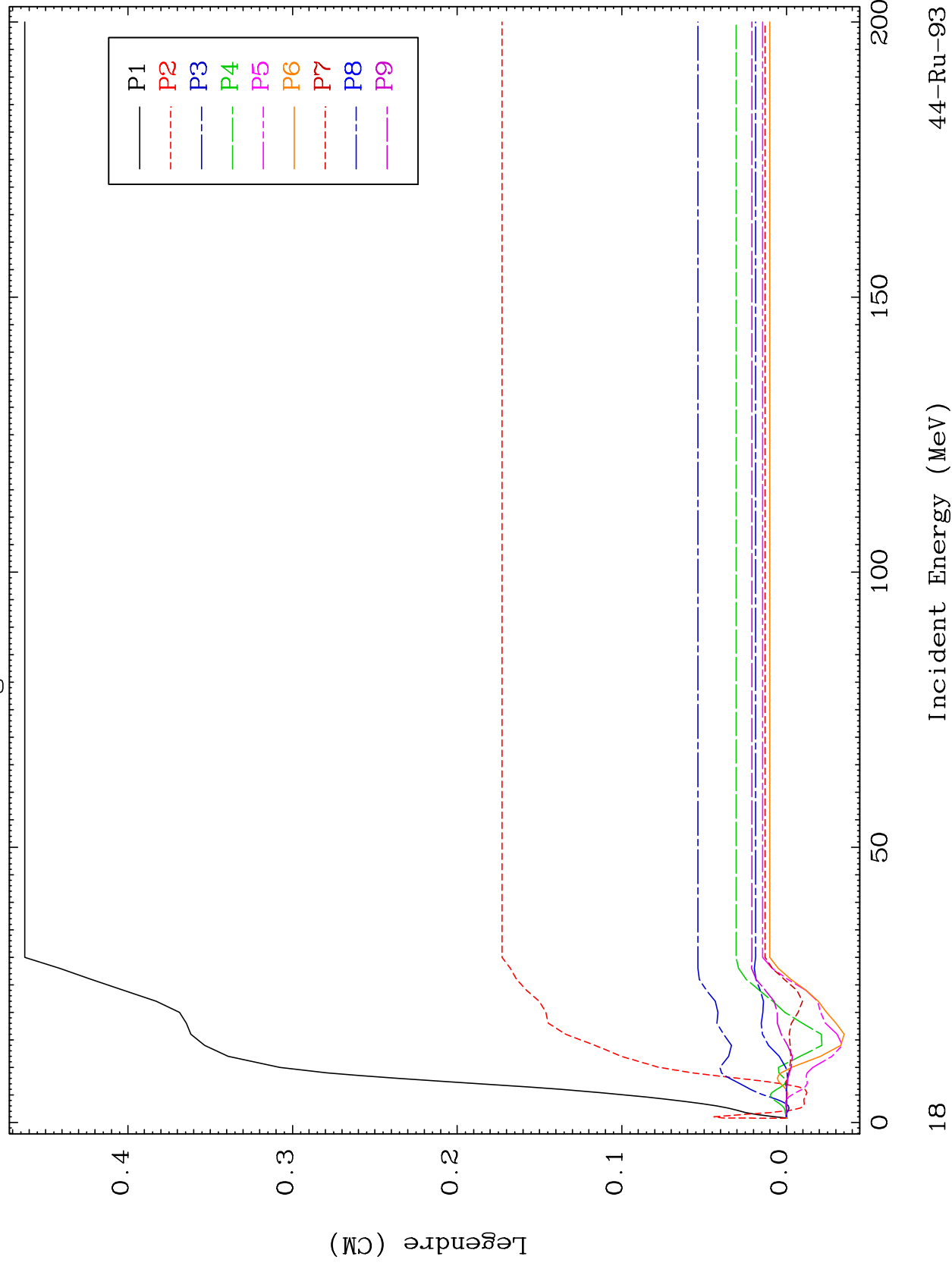
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93

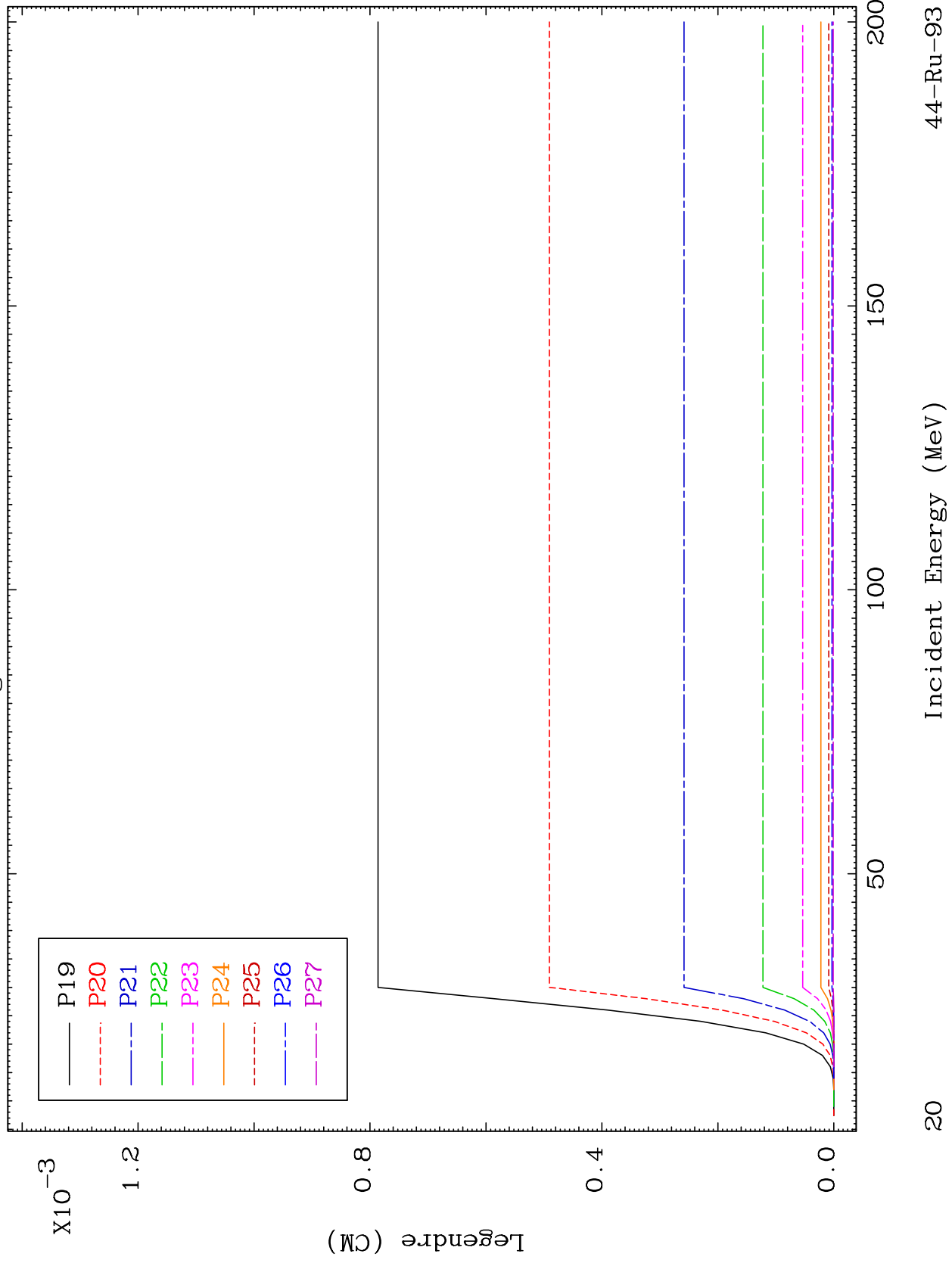




MAT 4416

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

44-Ru-93



20

50

100

150

200

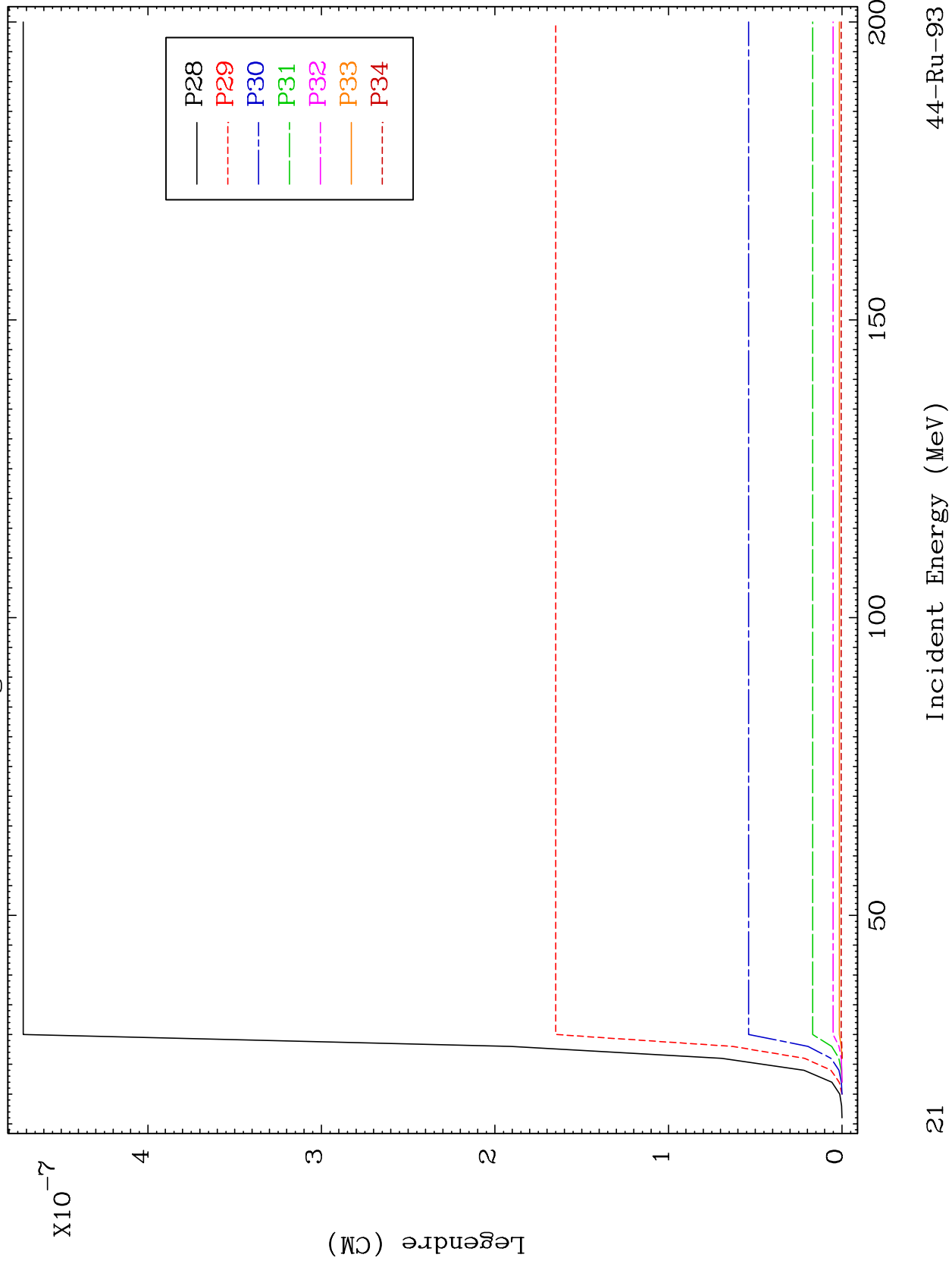
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



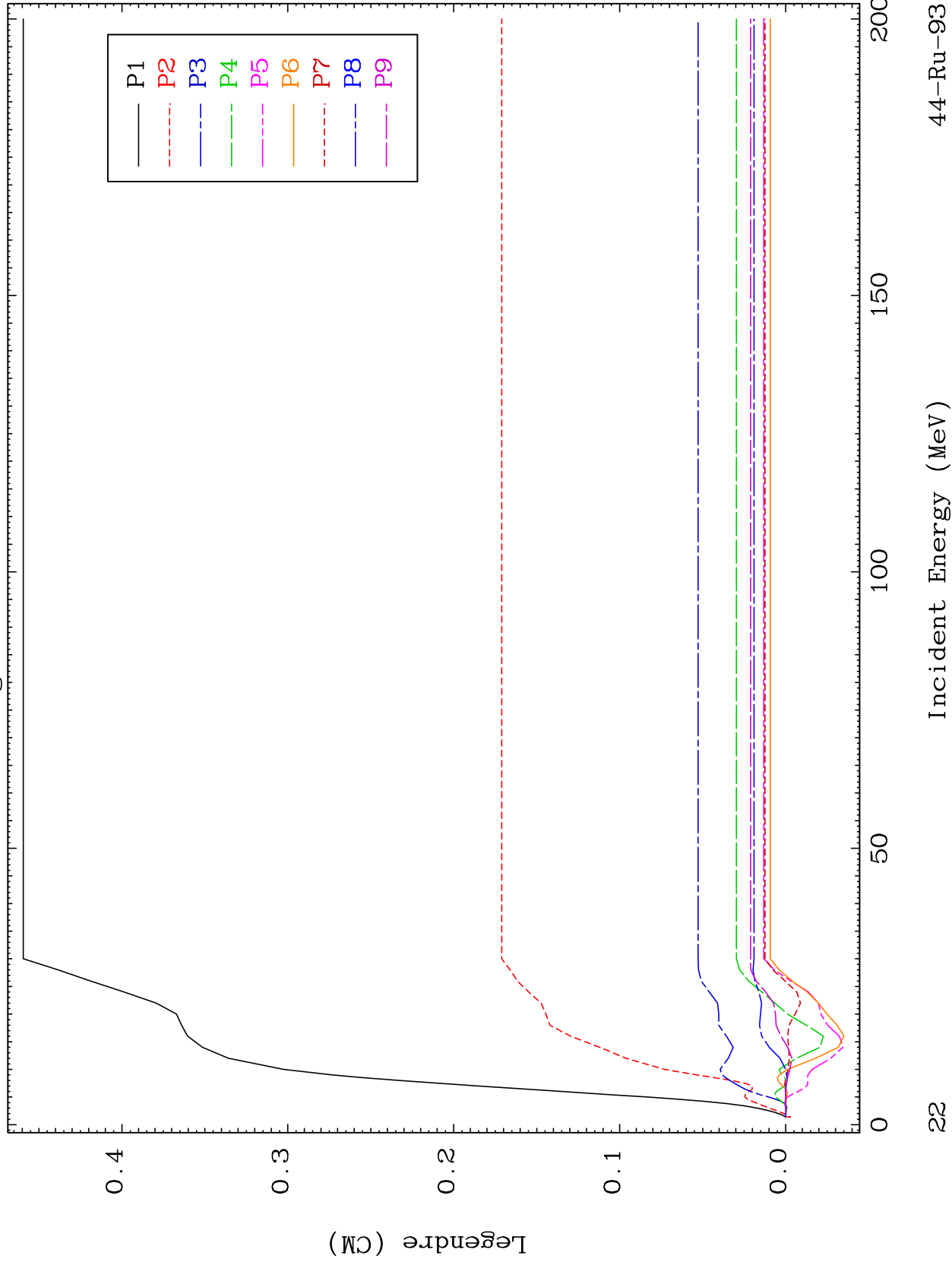
21

44-Ru-93

MAT 4416

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

44-Ru-93

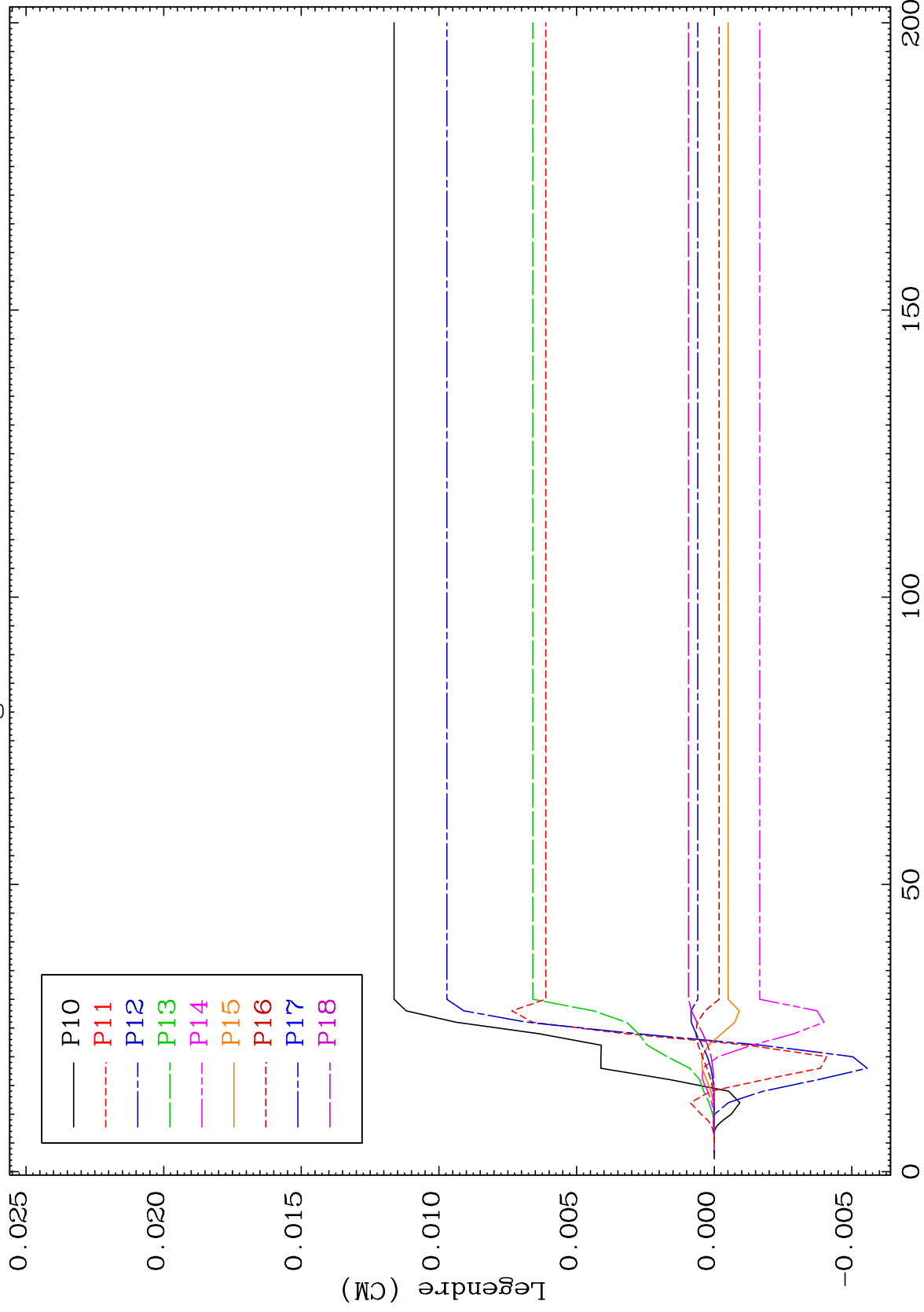


22

MAT 4416

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

44-Ru-93



23

Incident Energy (MeV)

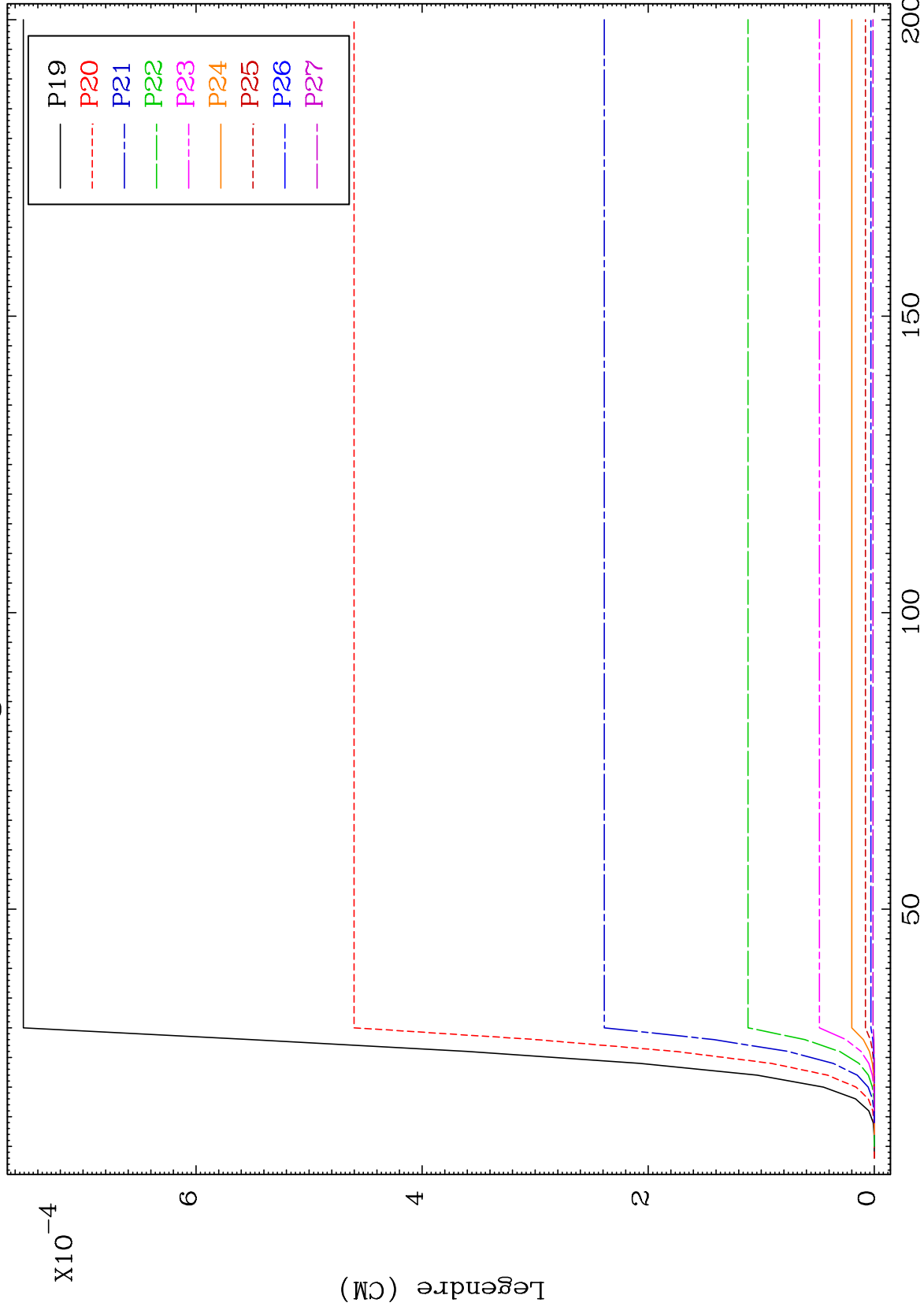
44-Ru-93



MAT 4416

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

44-Ru-93



24

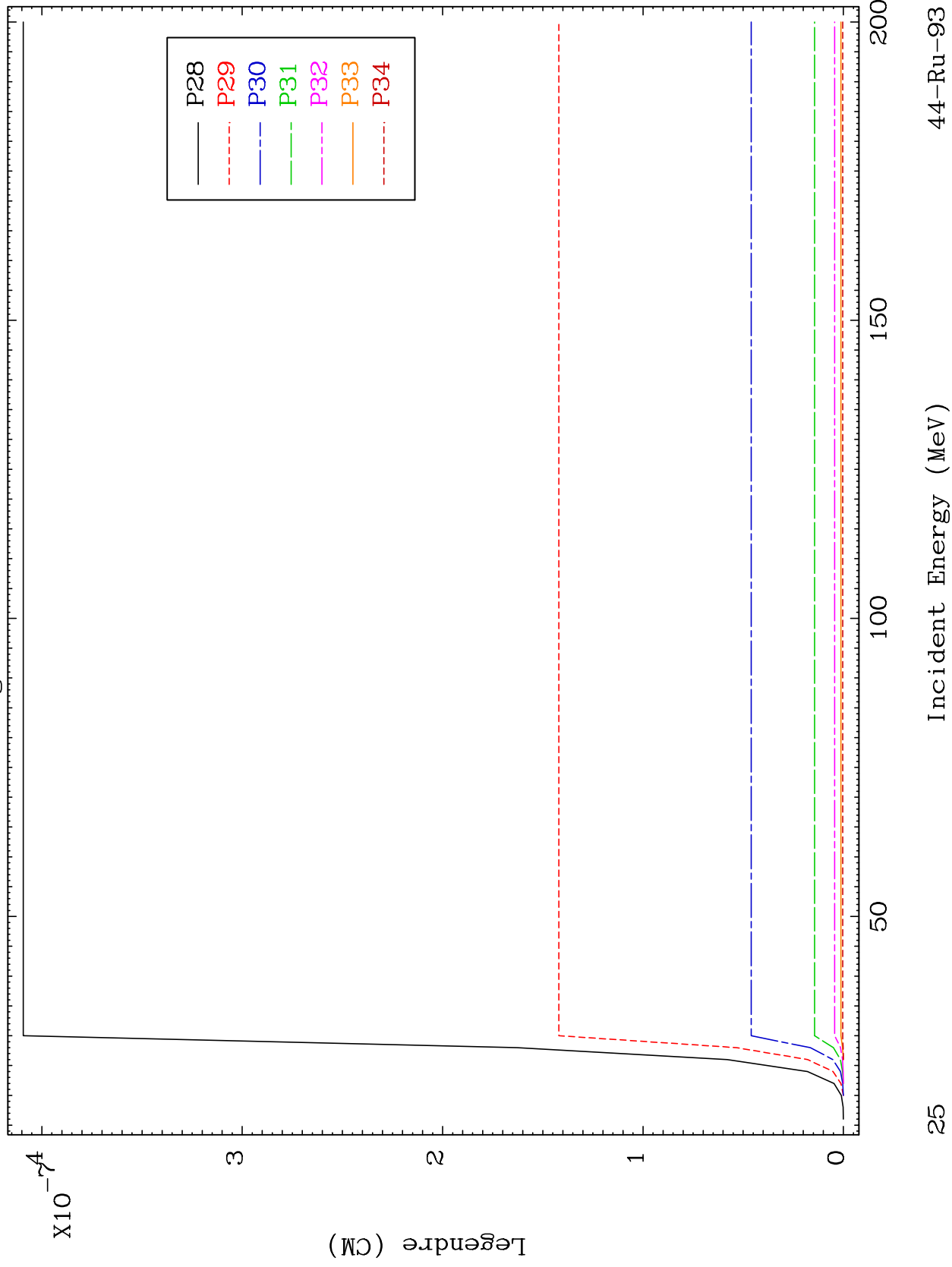
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

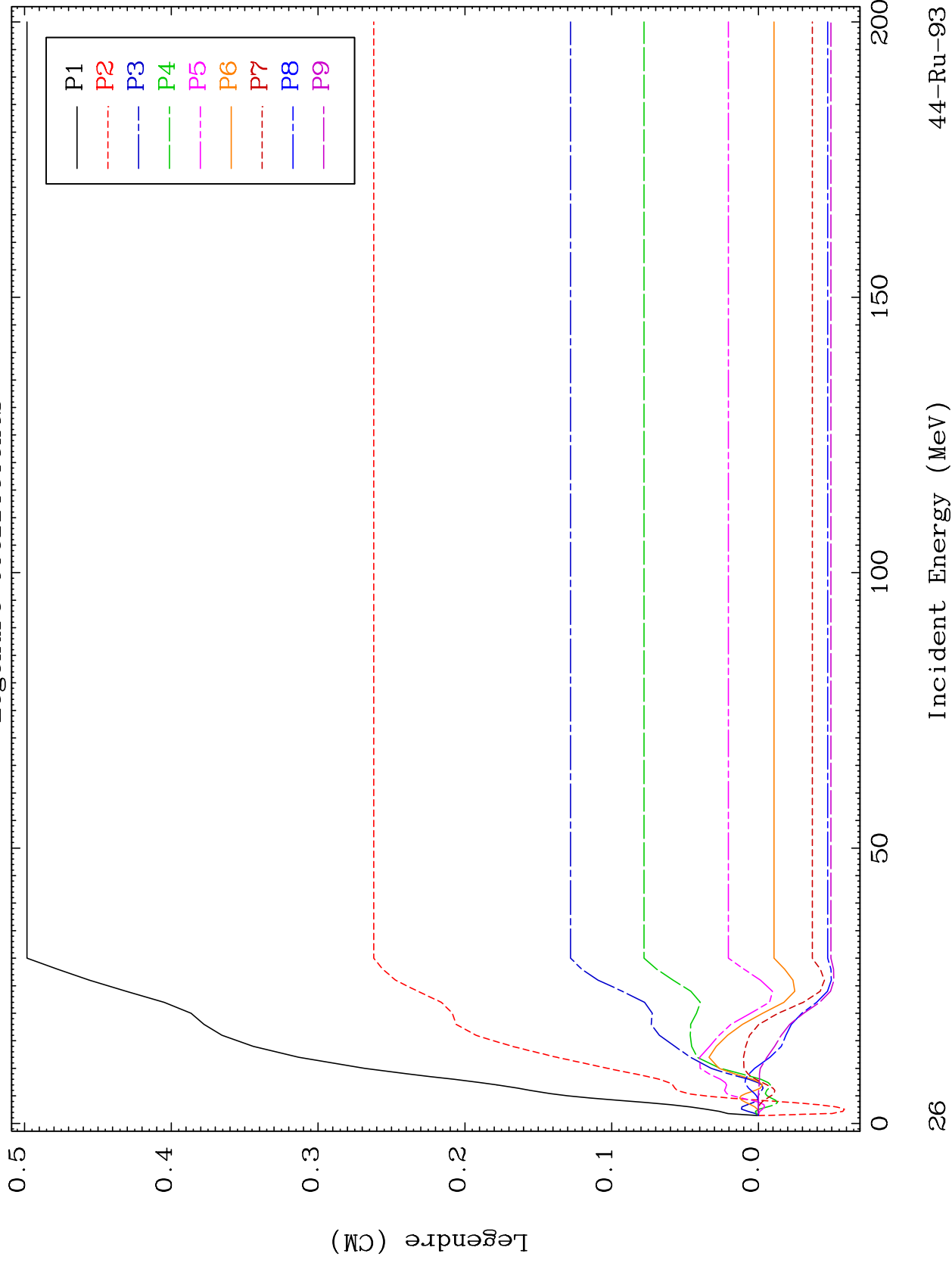
44-Ru-93



MAT 4416

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

44-Ru-93



26

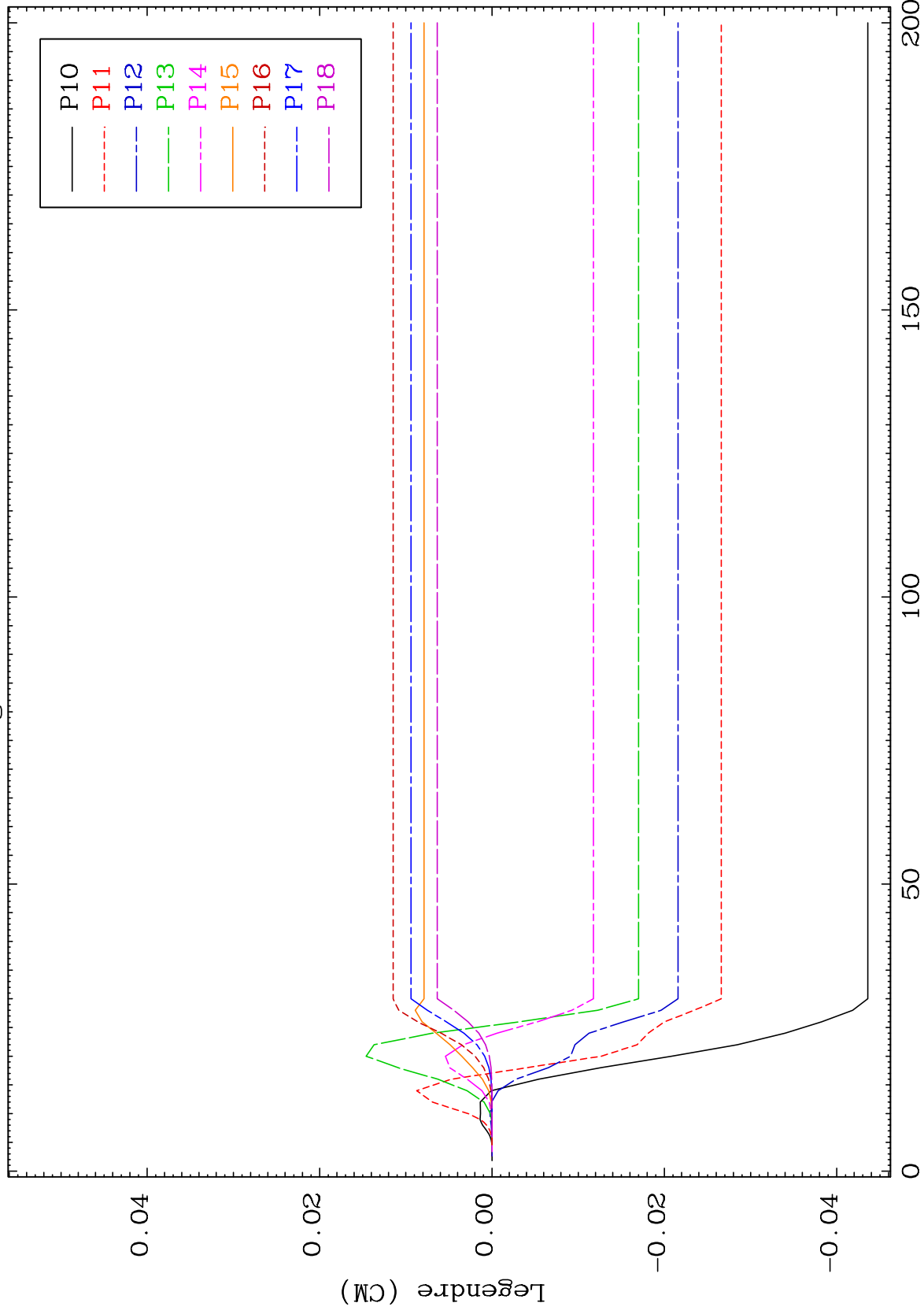
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



27

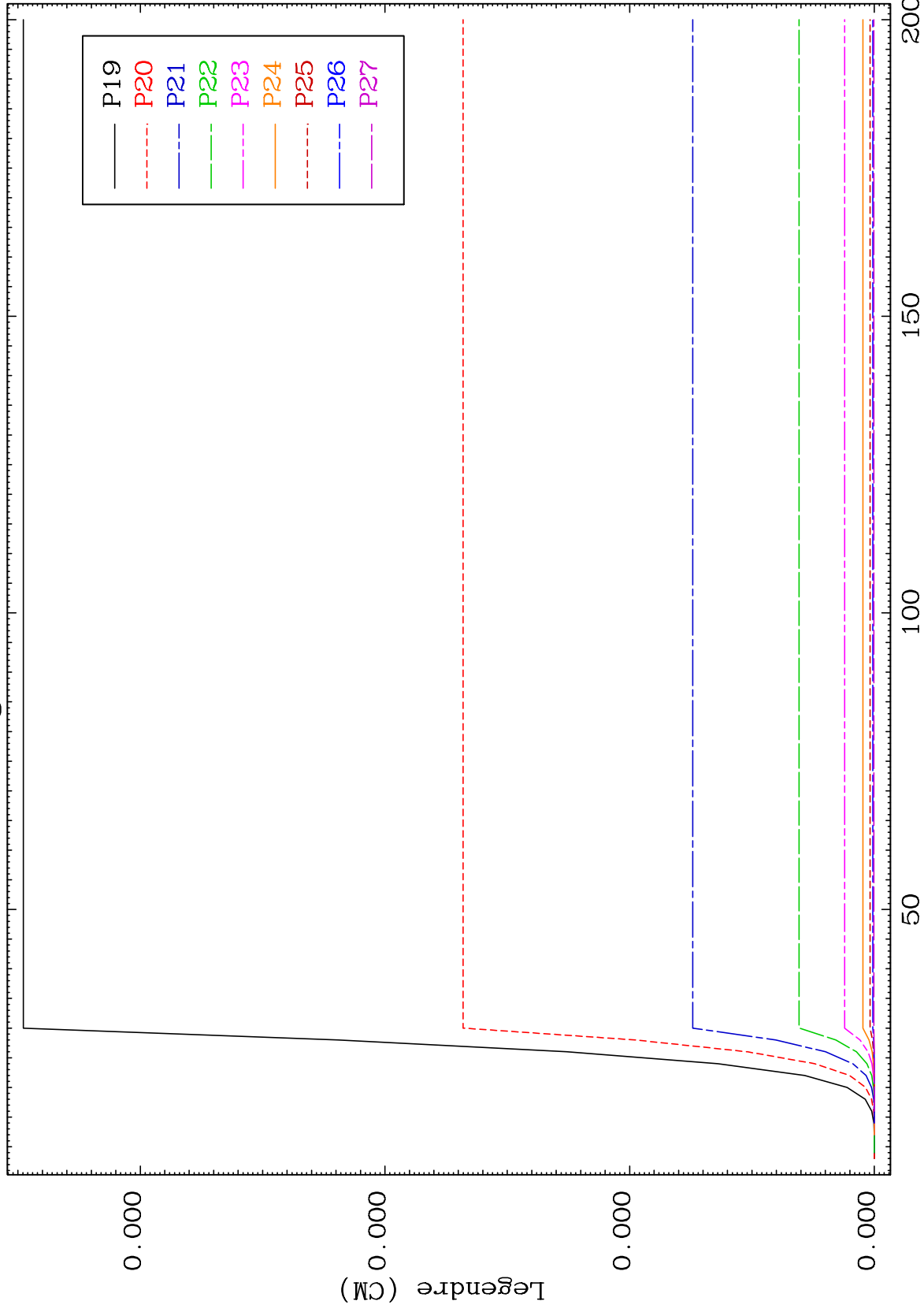
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



28

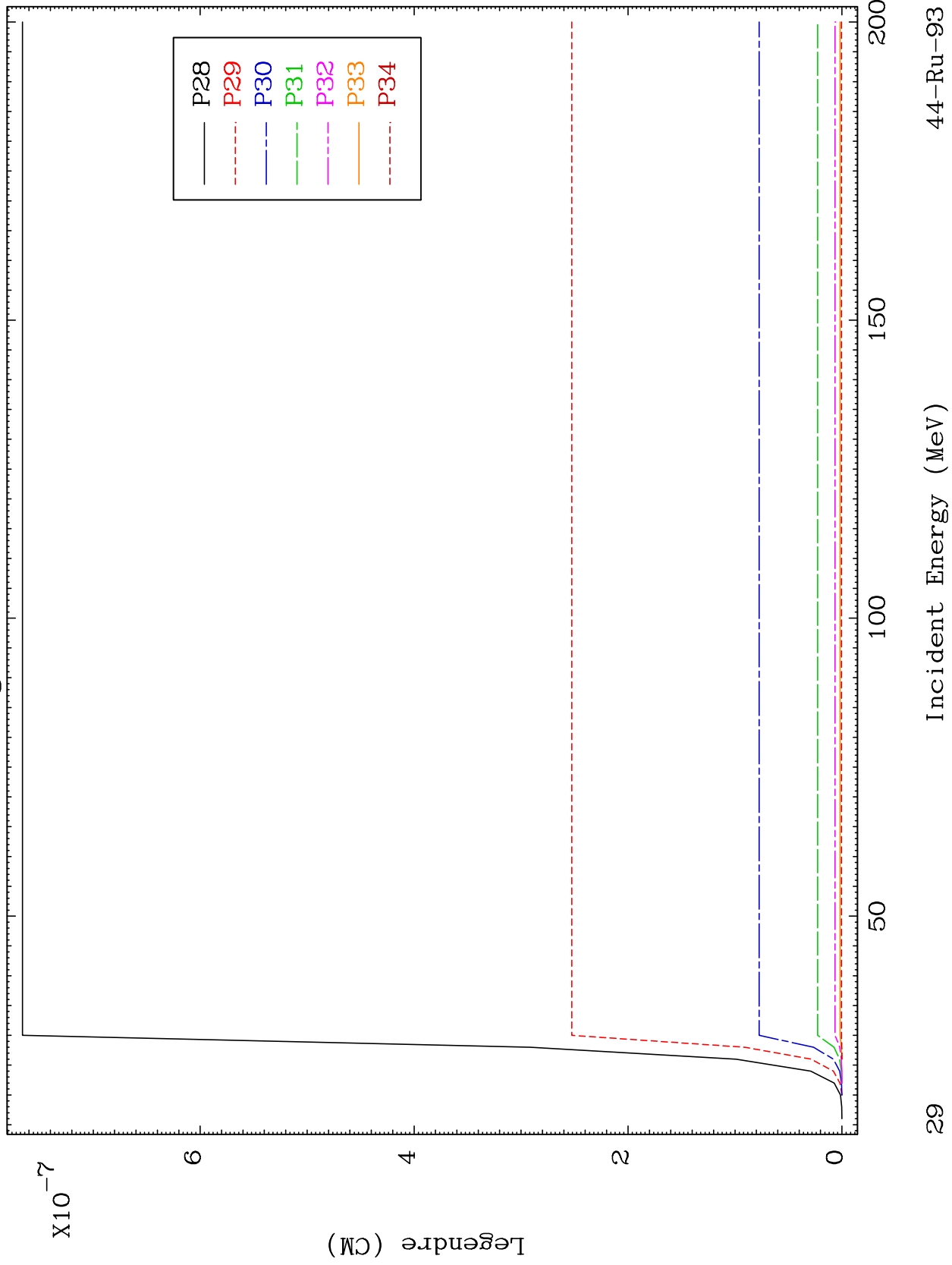
Incident Energy (MeV)

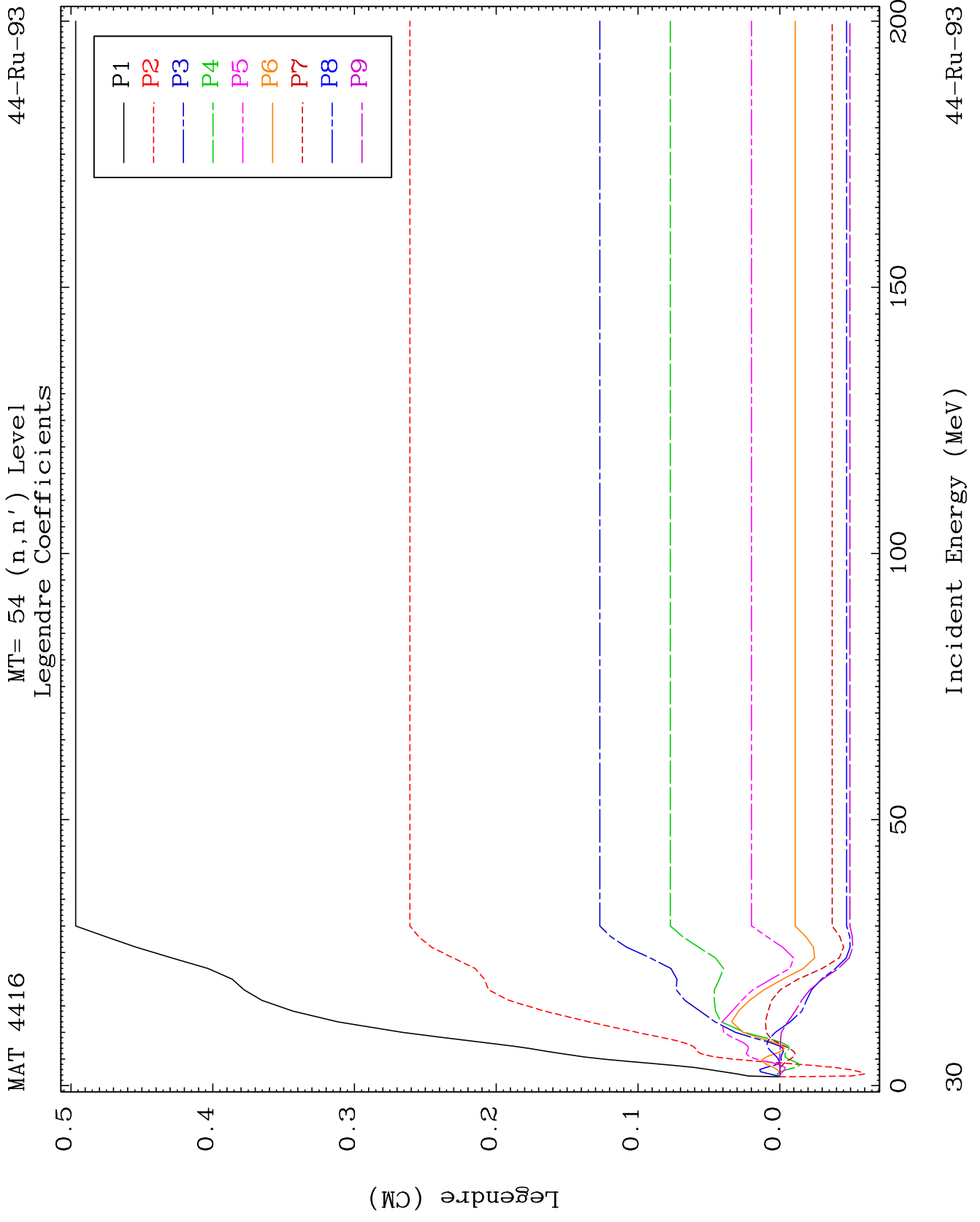
44-Ru-93

MAT 4416

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

44-Ru-93

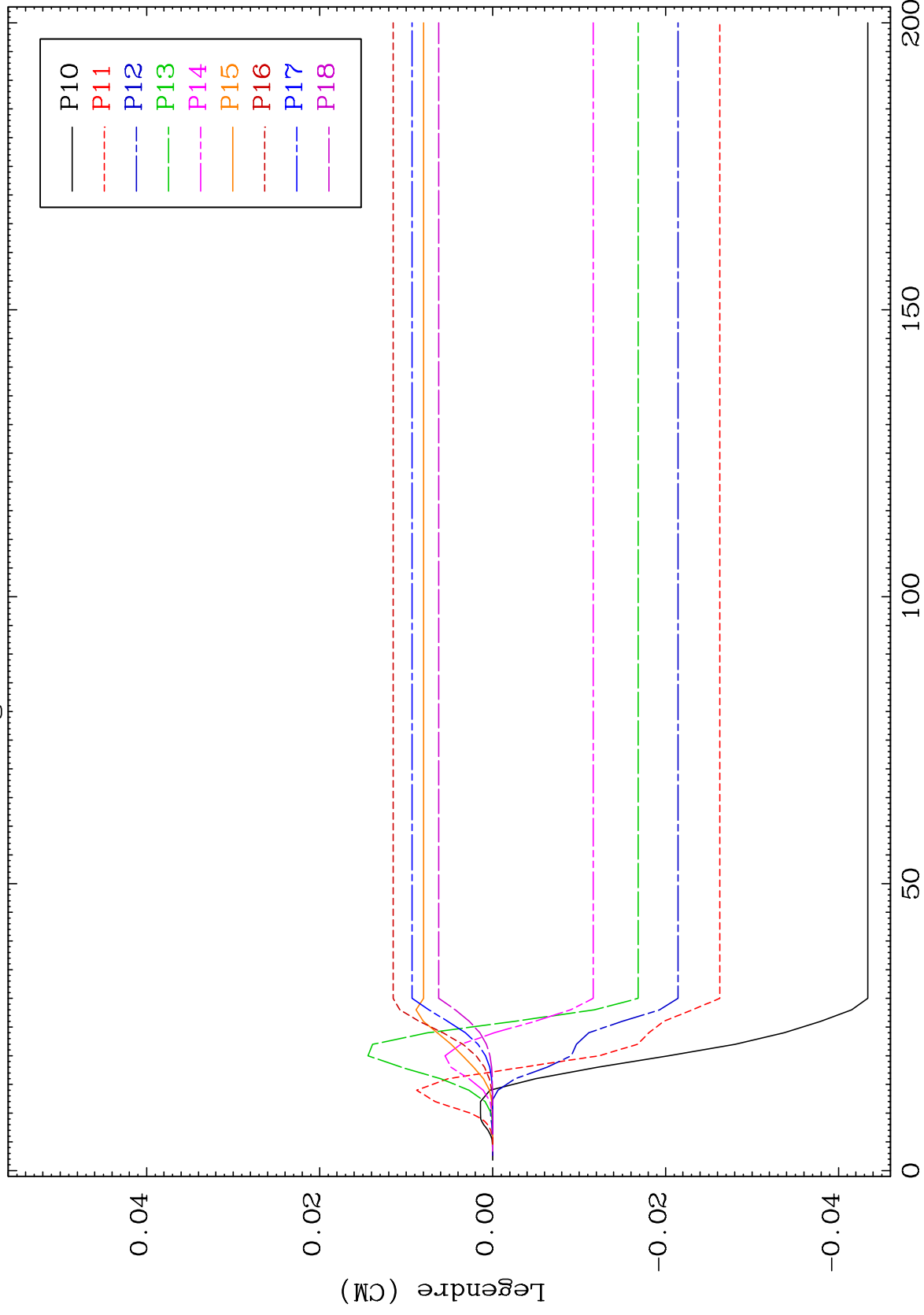




MAT 4416

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

44-Ru-93

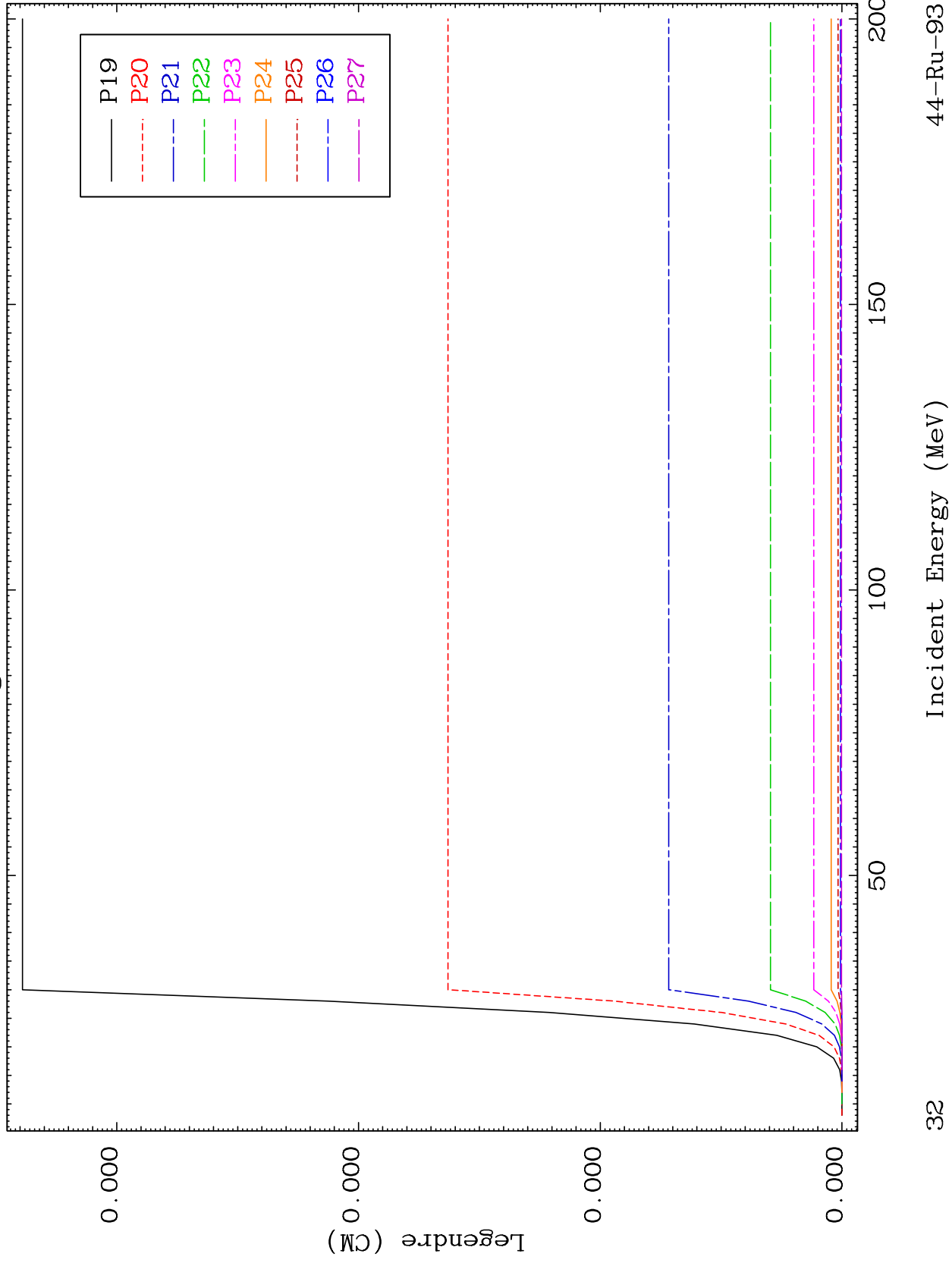




MAT 4416

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

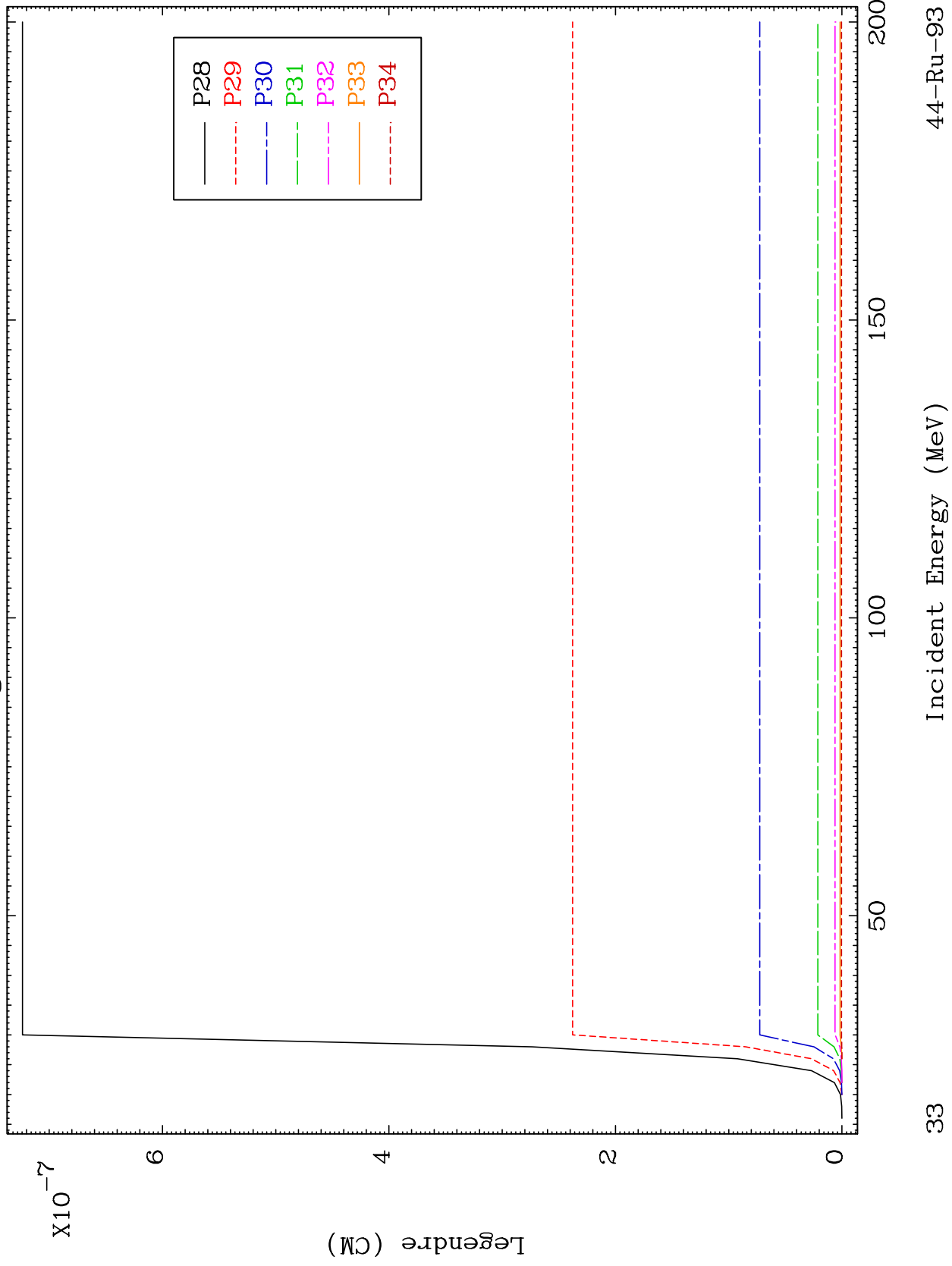
44-Ru-93



MAT 4416

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

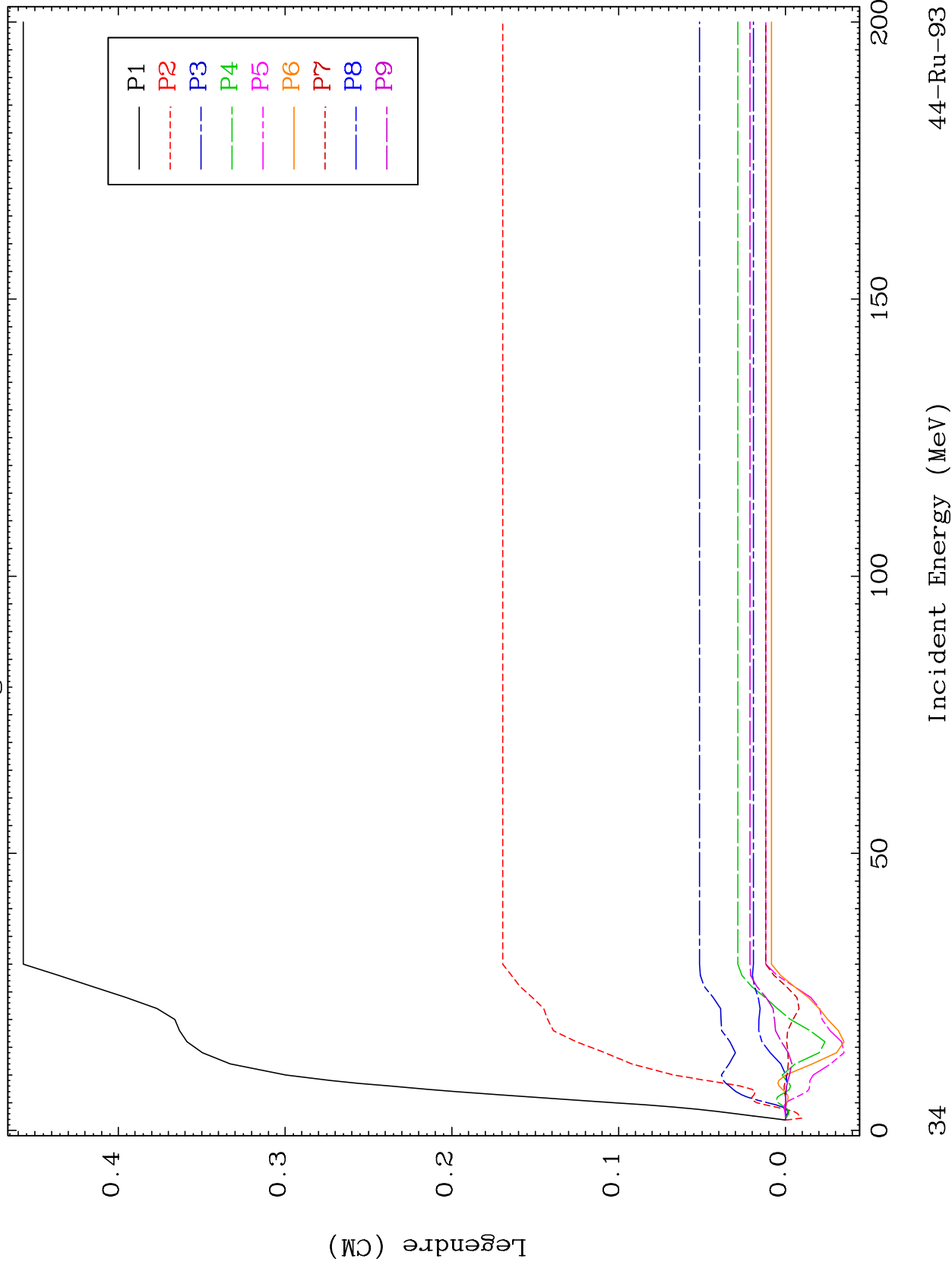
44-Ru-93



MAT 4416

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

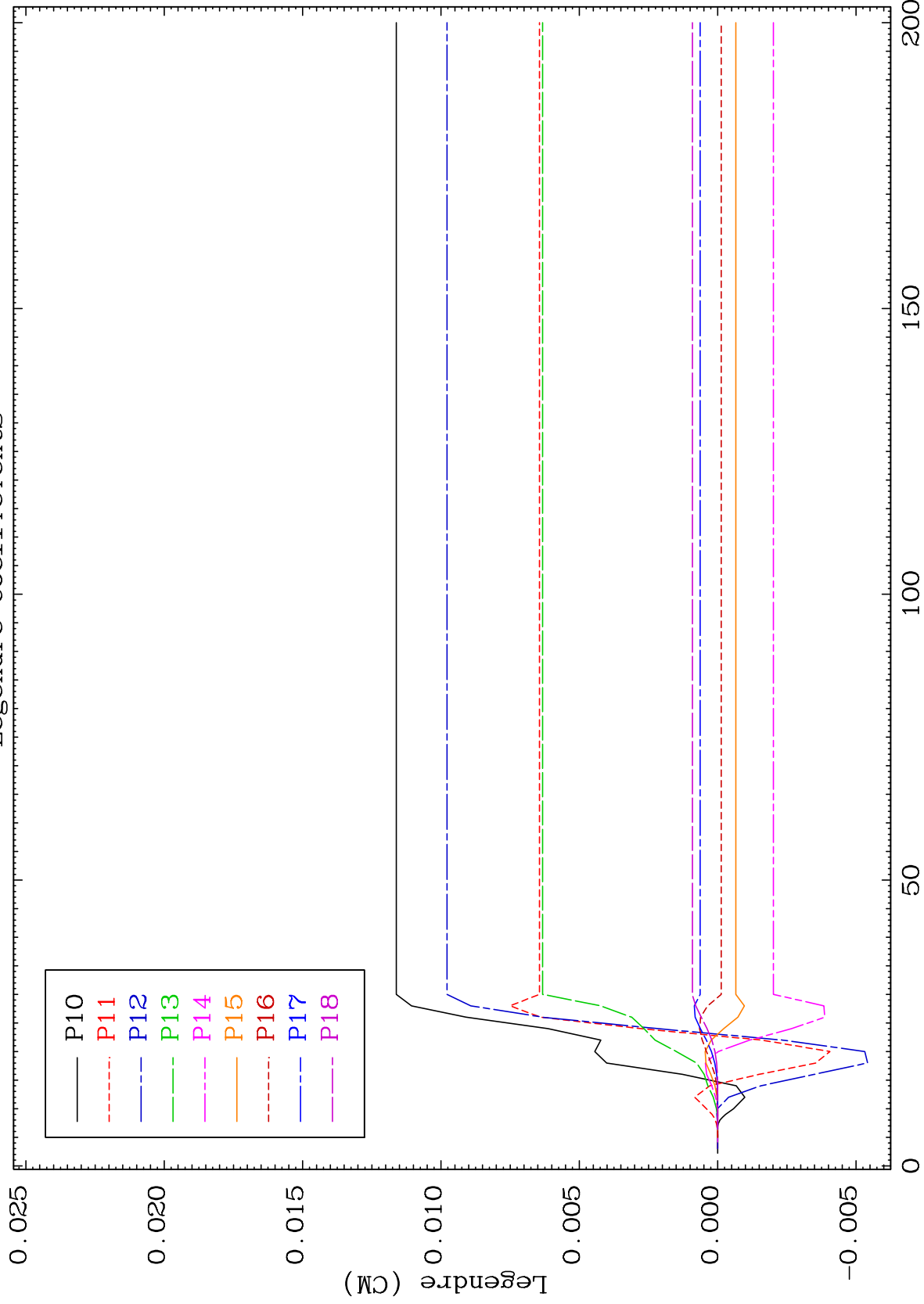
44-Ru-93



MAT 4416

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

44-Ru-93



35

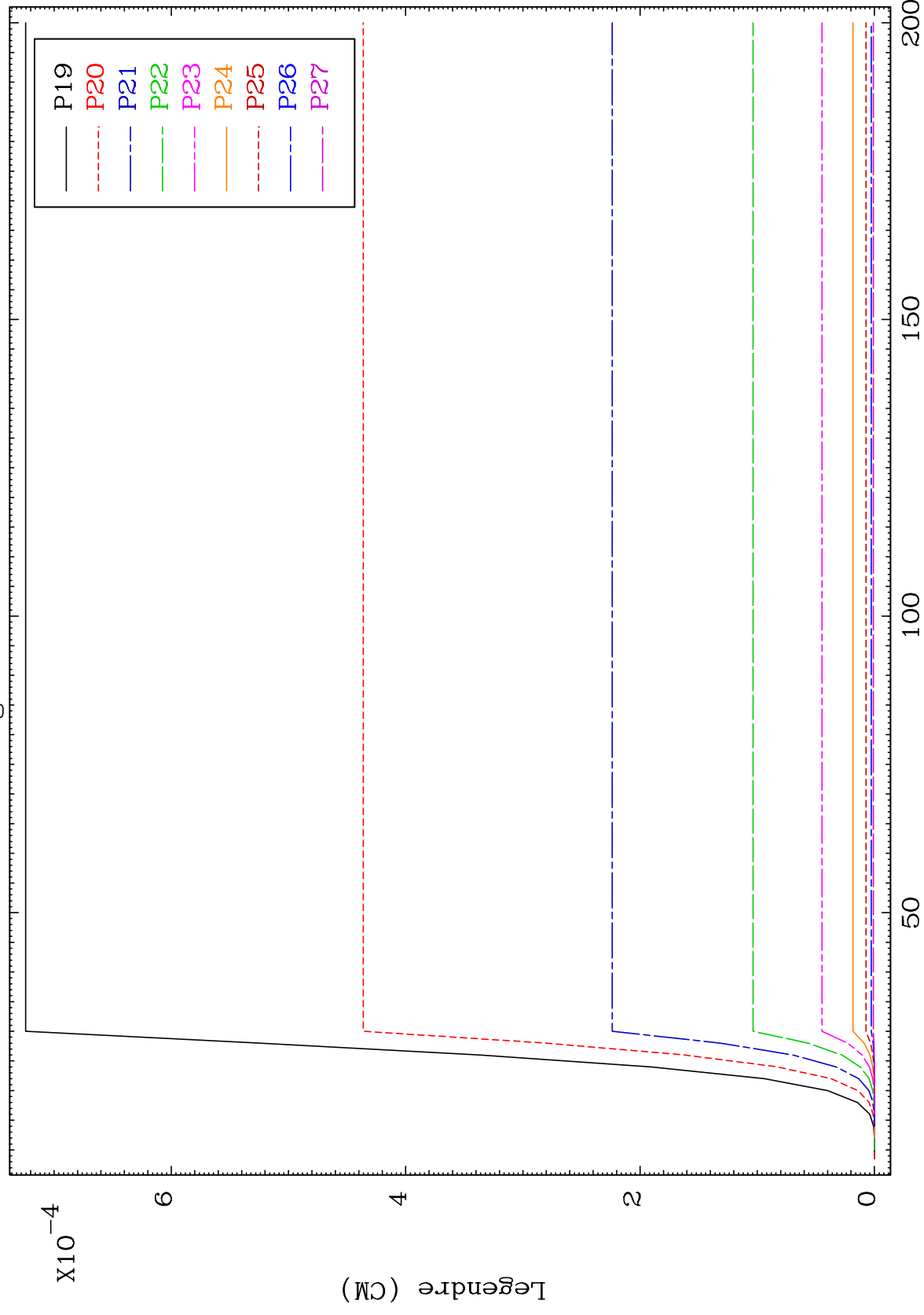
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



36

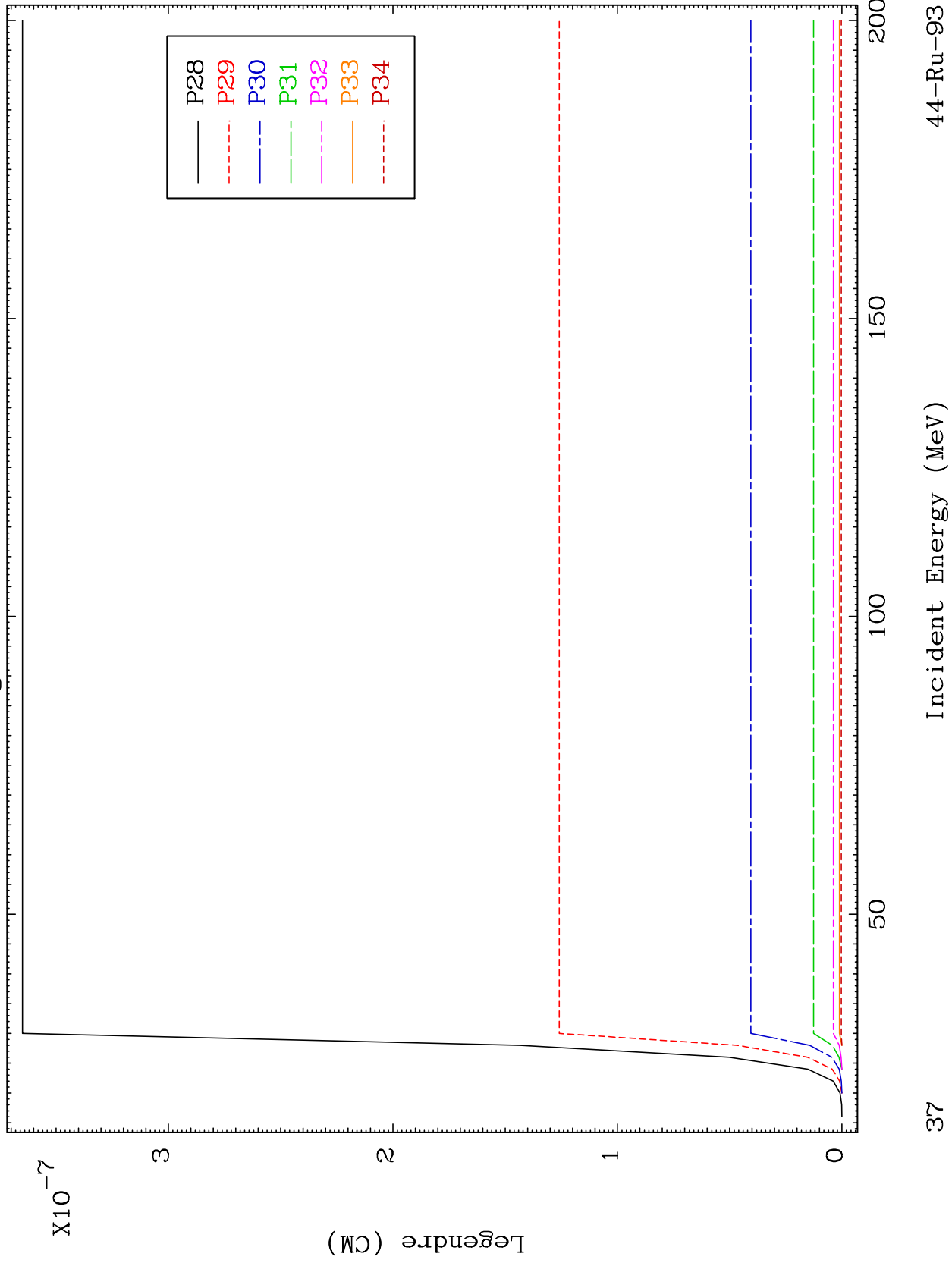
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



37

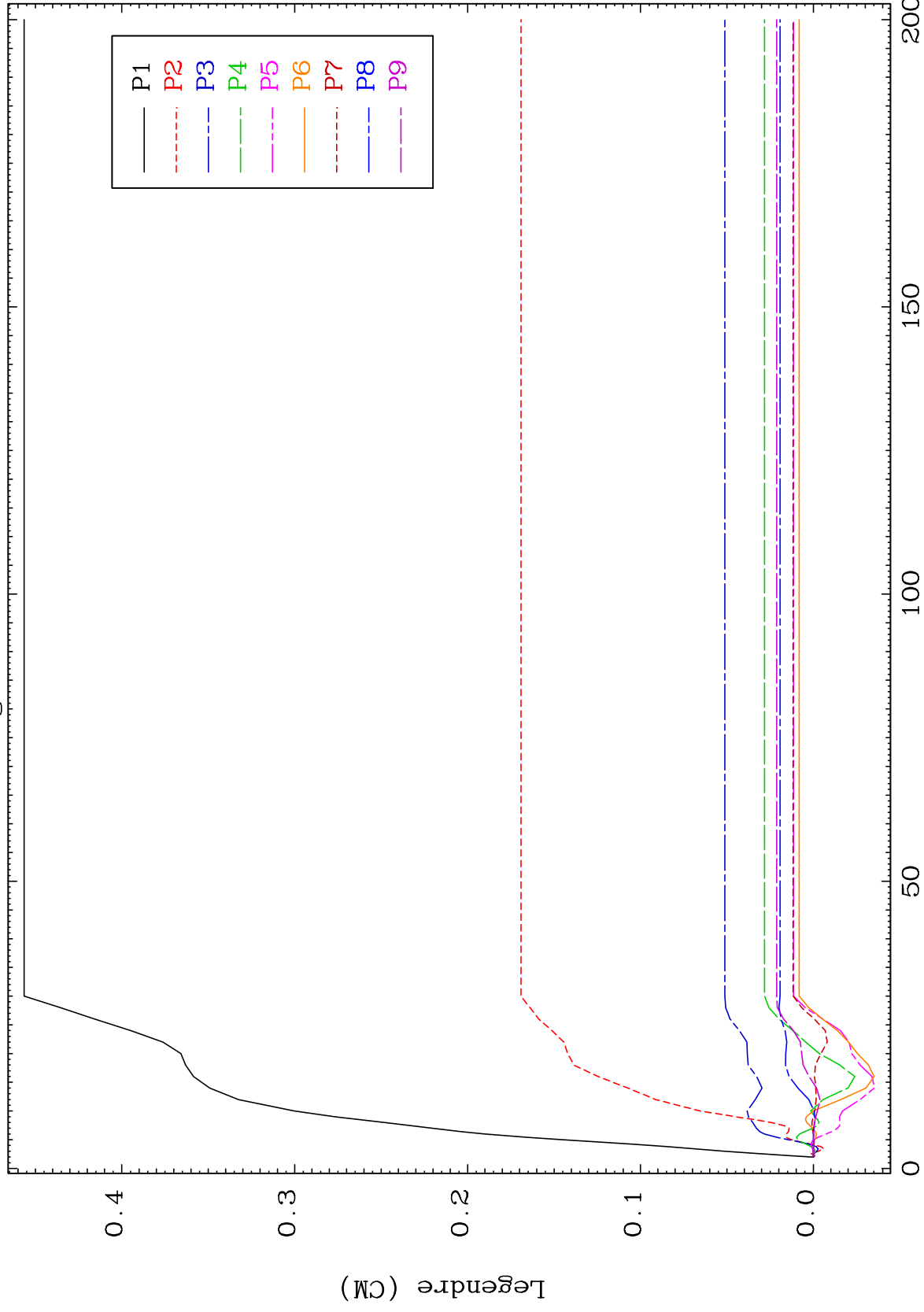
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



38

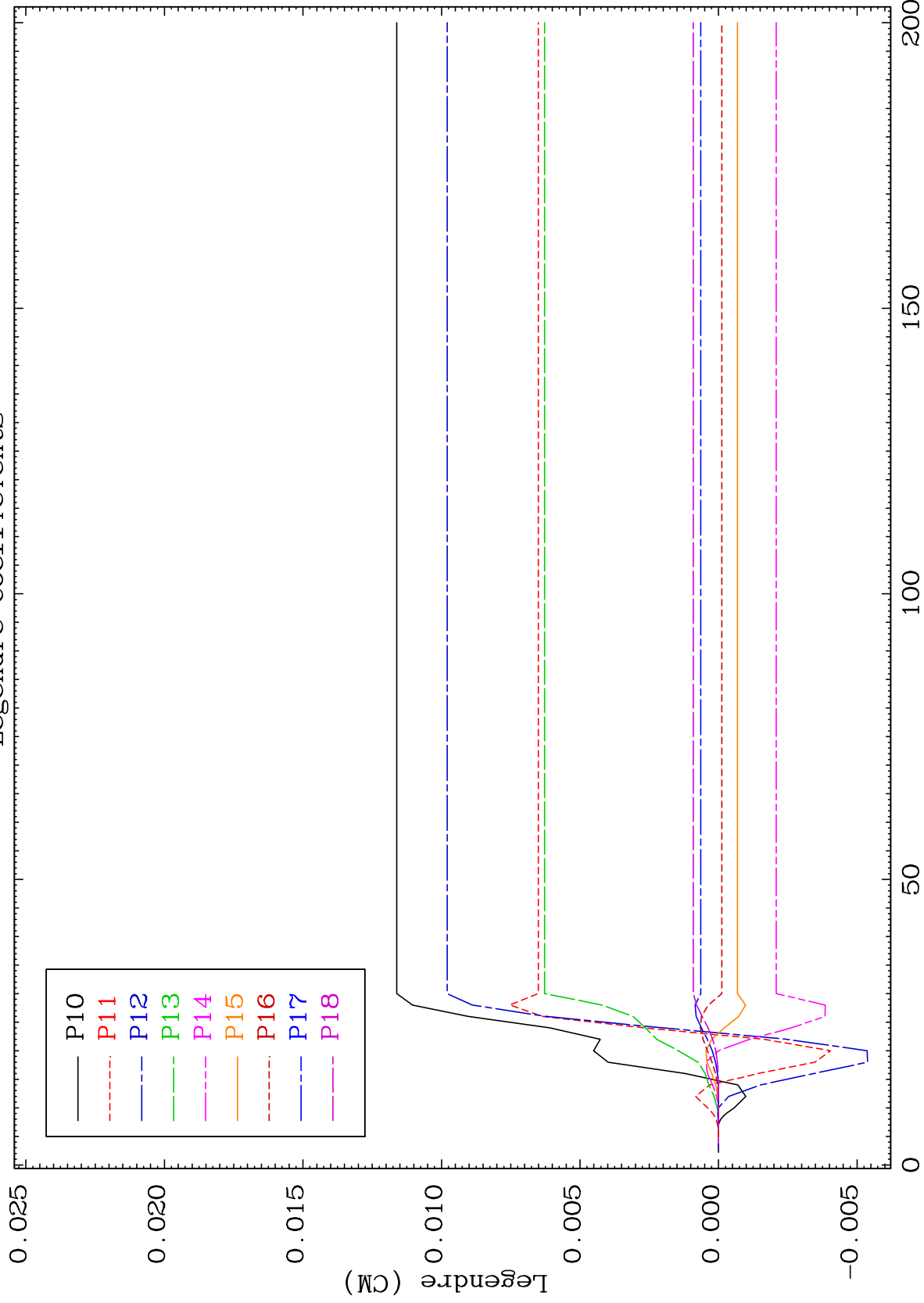
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



39

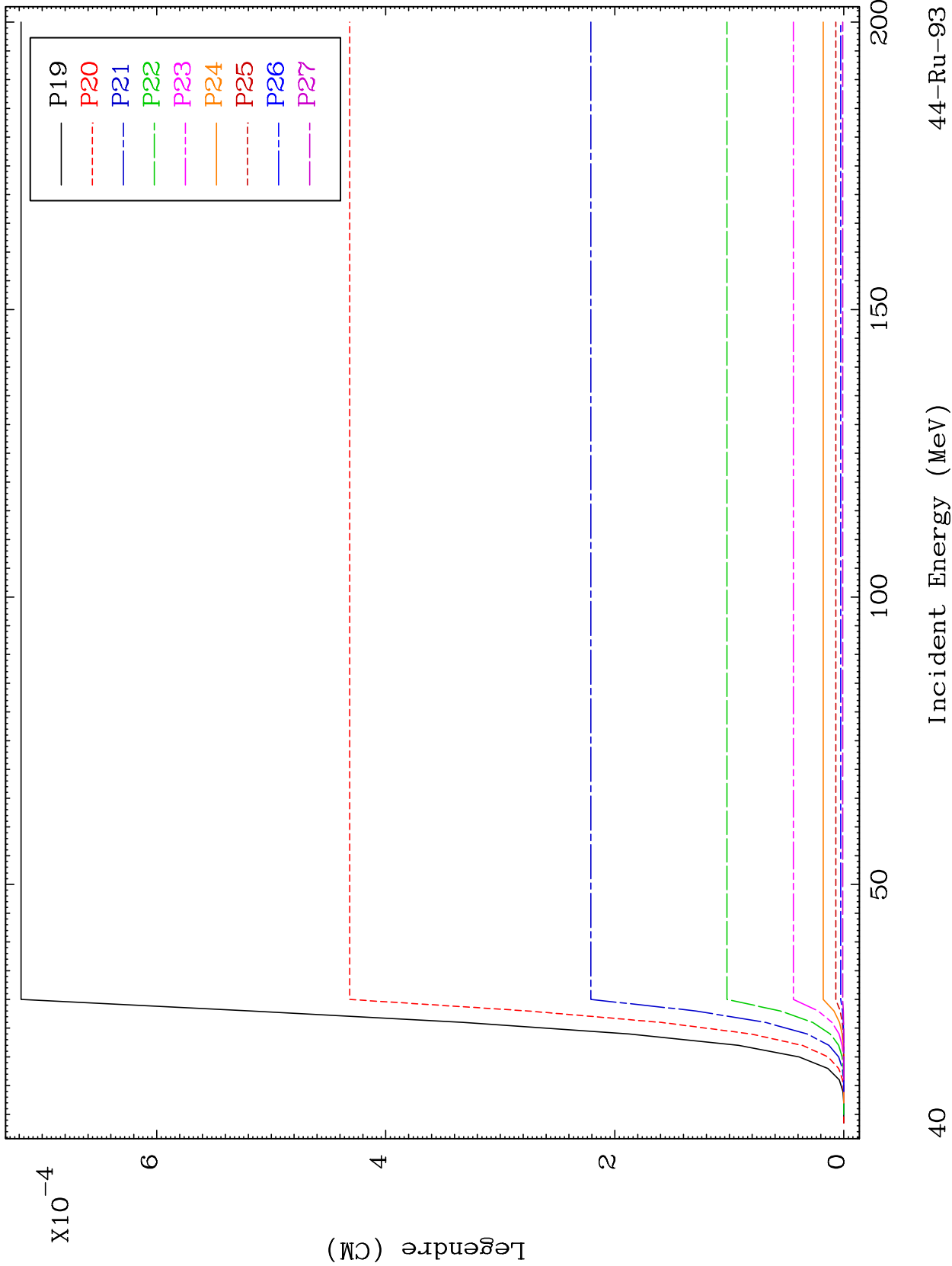
44-Ru-93



MAT 4416

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

44-Ru-93



40

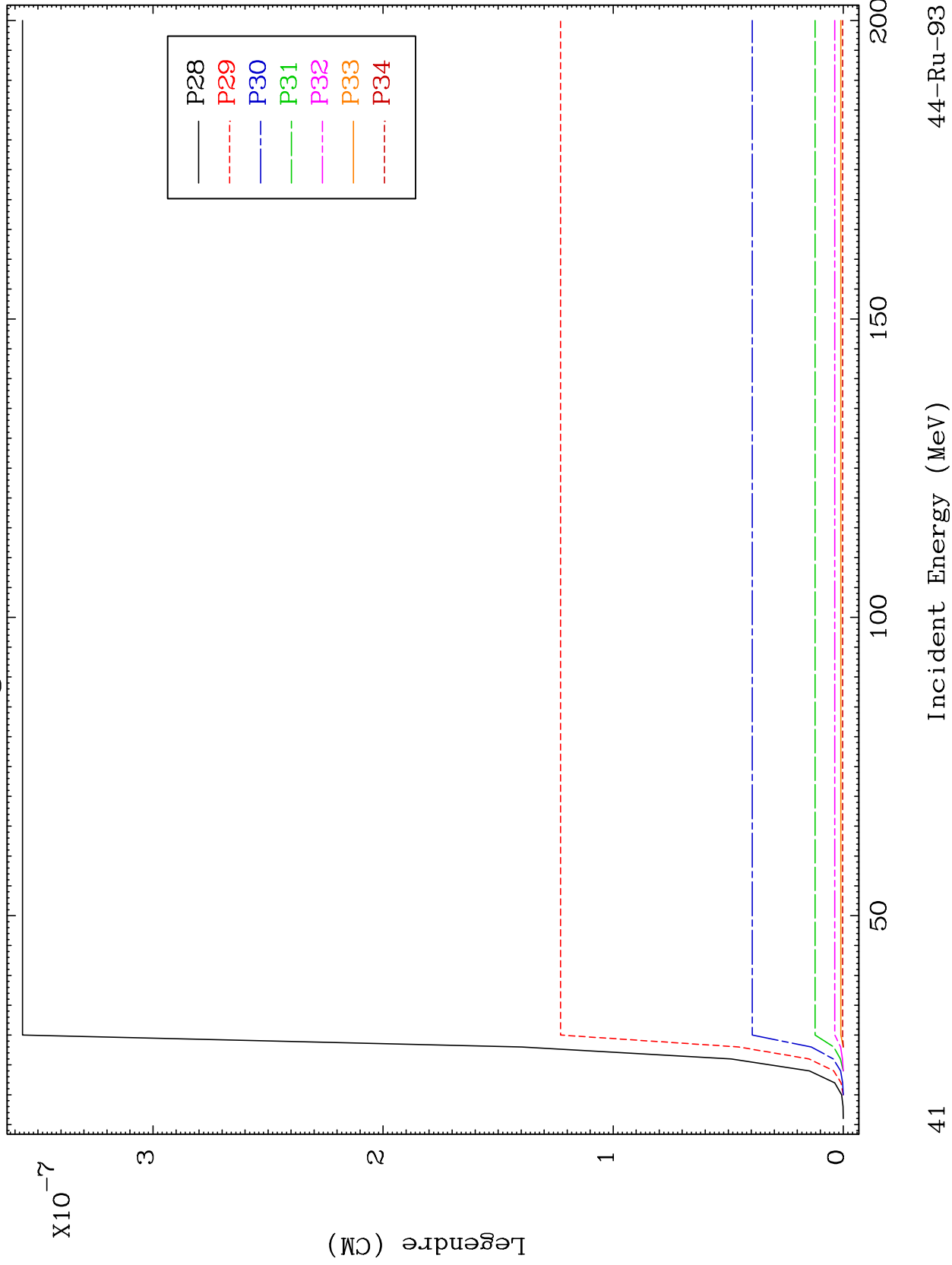
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

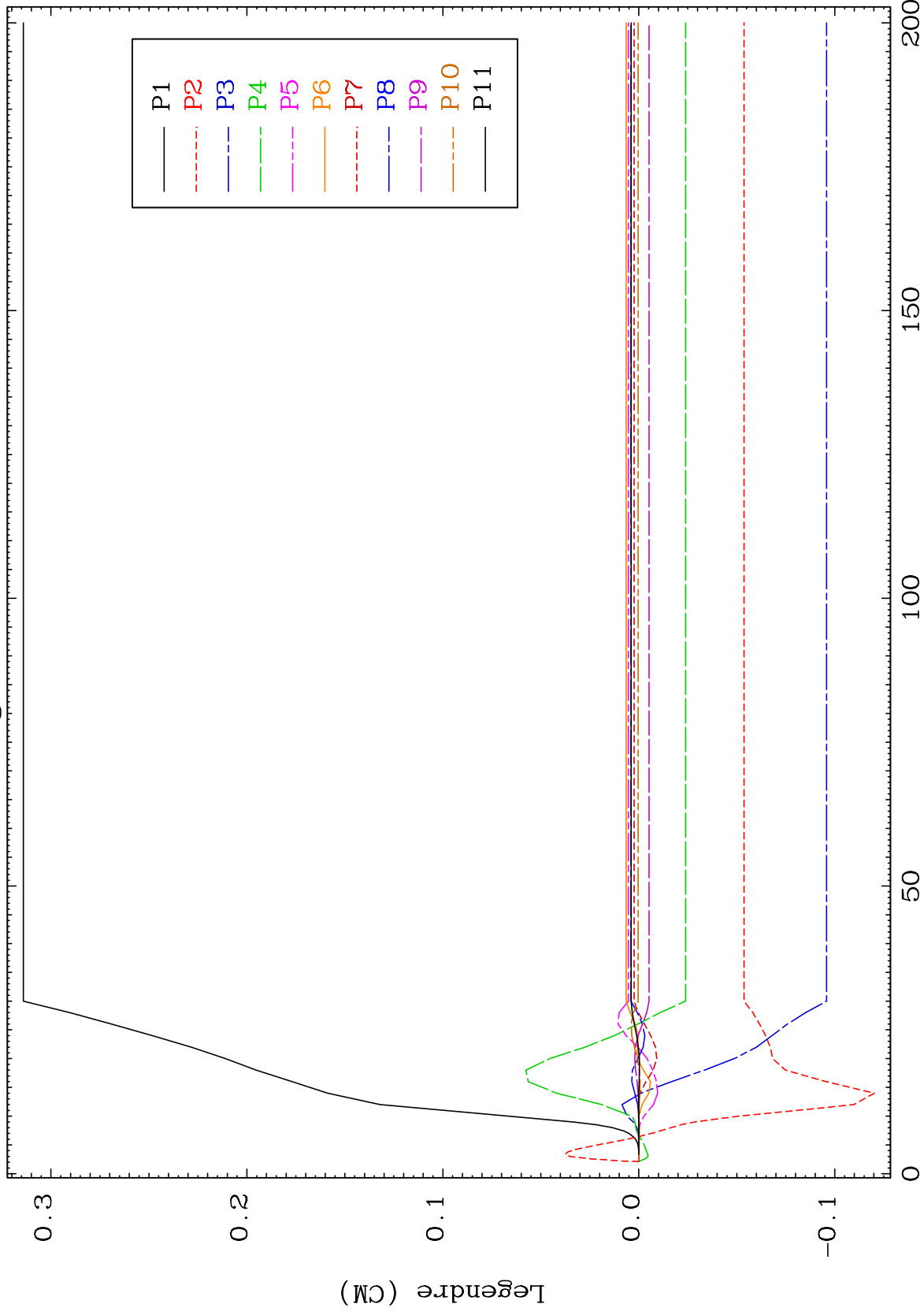
44-Ru-93



MAT 4416

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

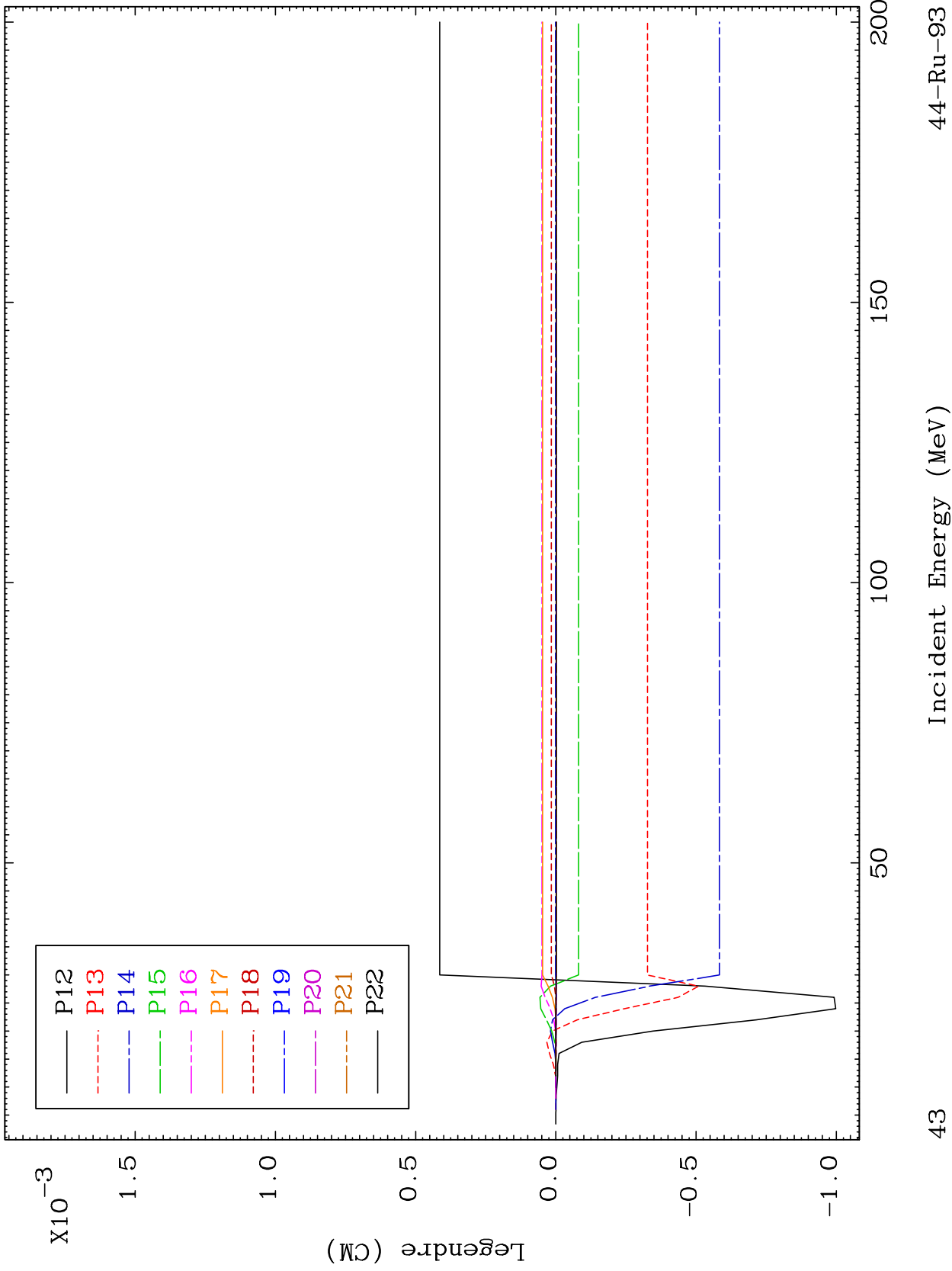
44-Ru-93

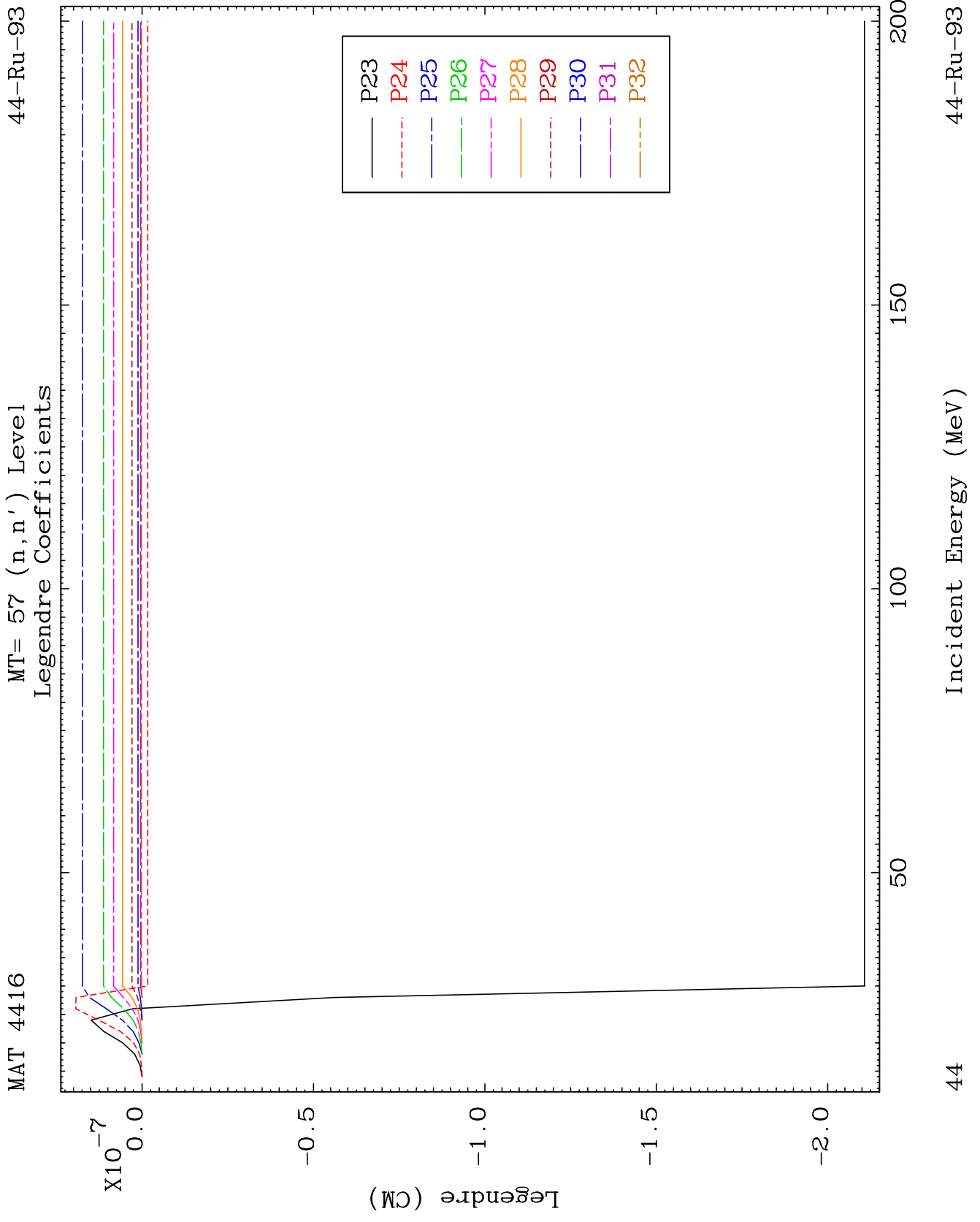


42

Incident Energy (MeV)

44-Ru-93

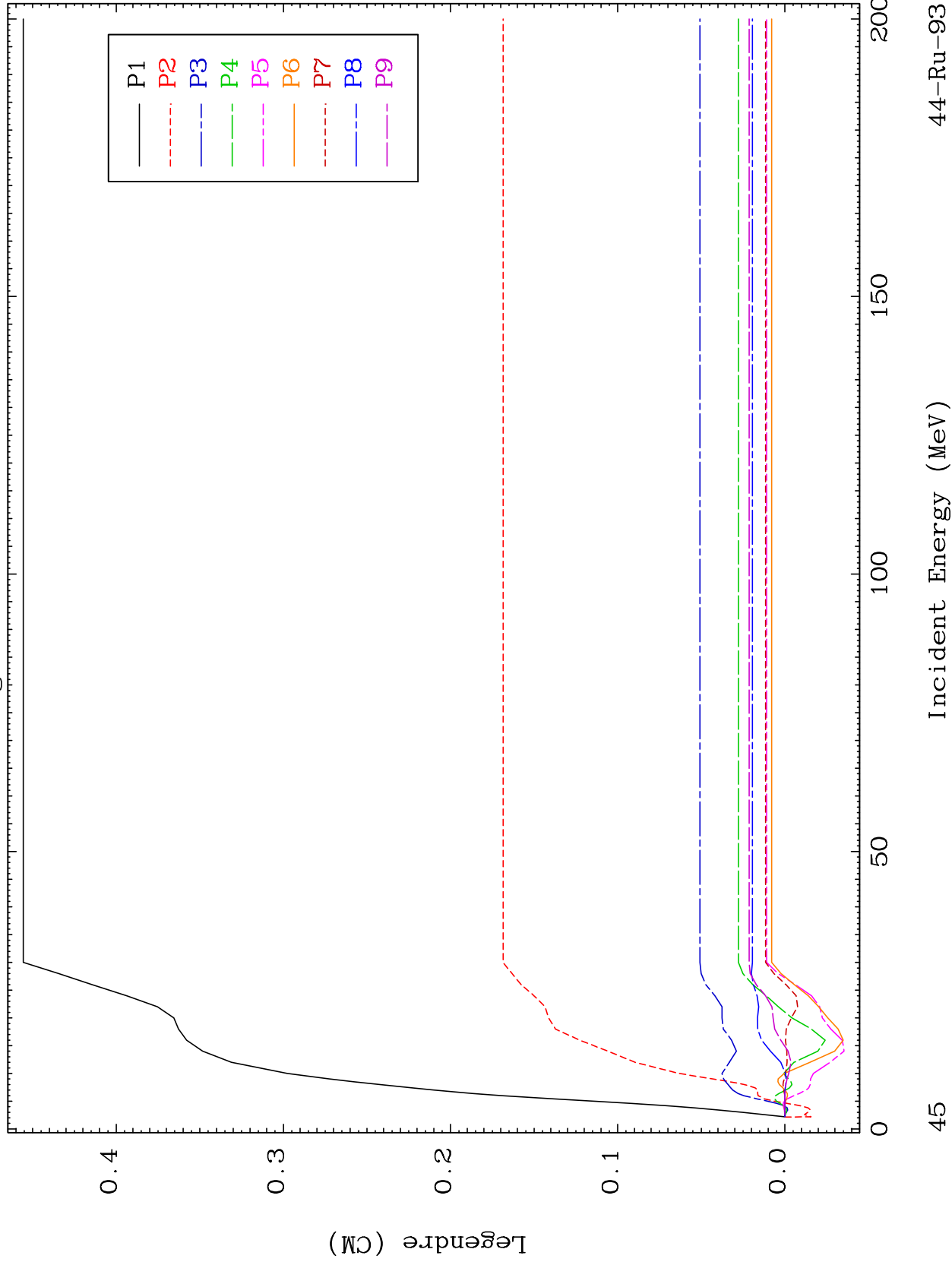




MAT 4416

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

44-Ru-93



44-Ru-93

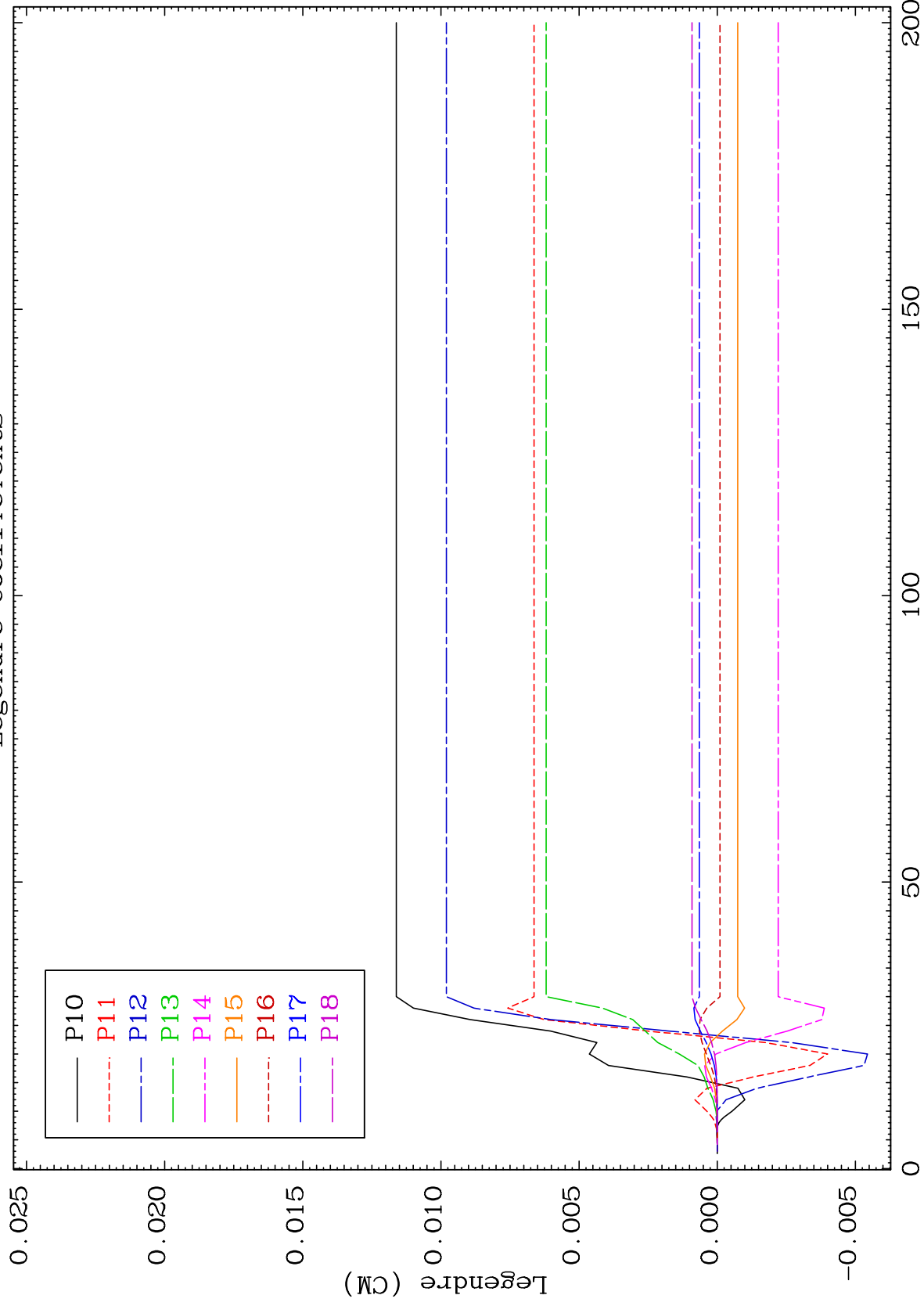
Incident Energy (MeV)

45

MAT 4416

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

44-Ru-93



46

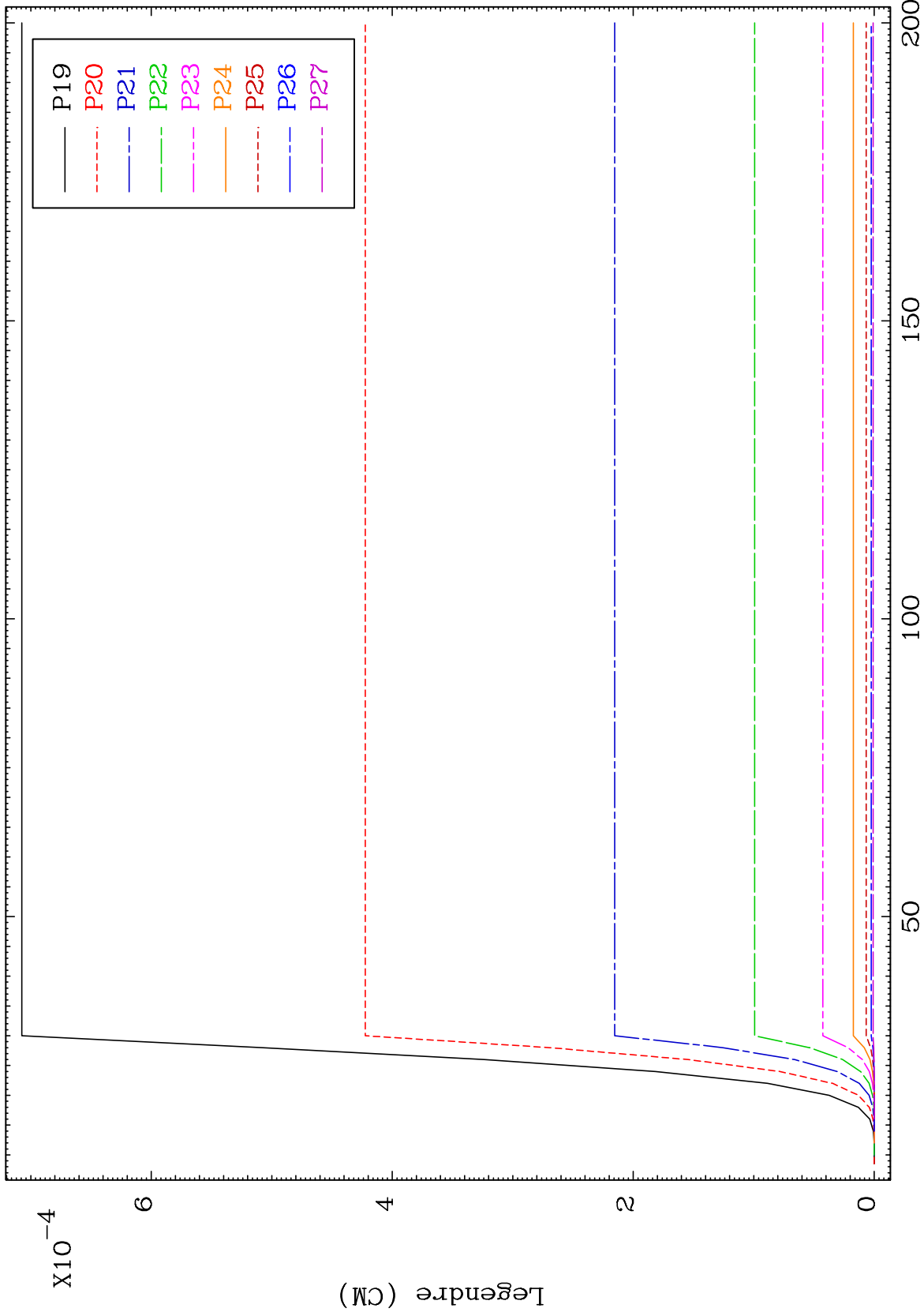
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



47

Incident Energy (MeV)

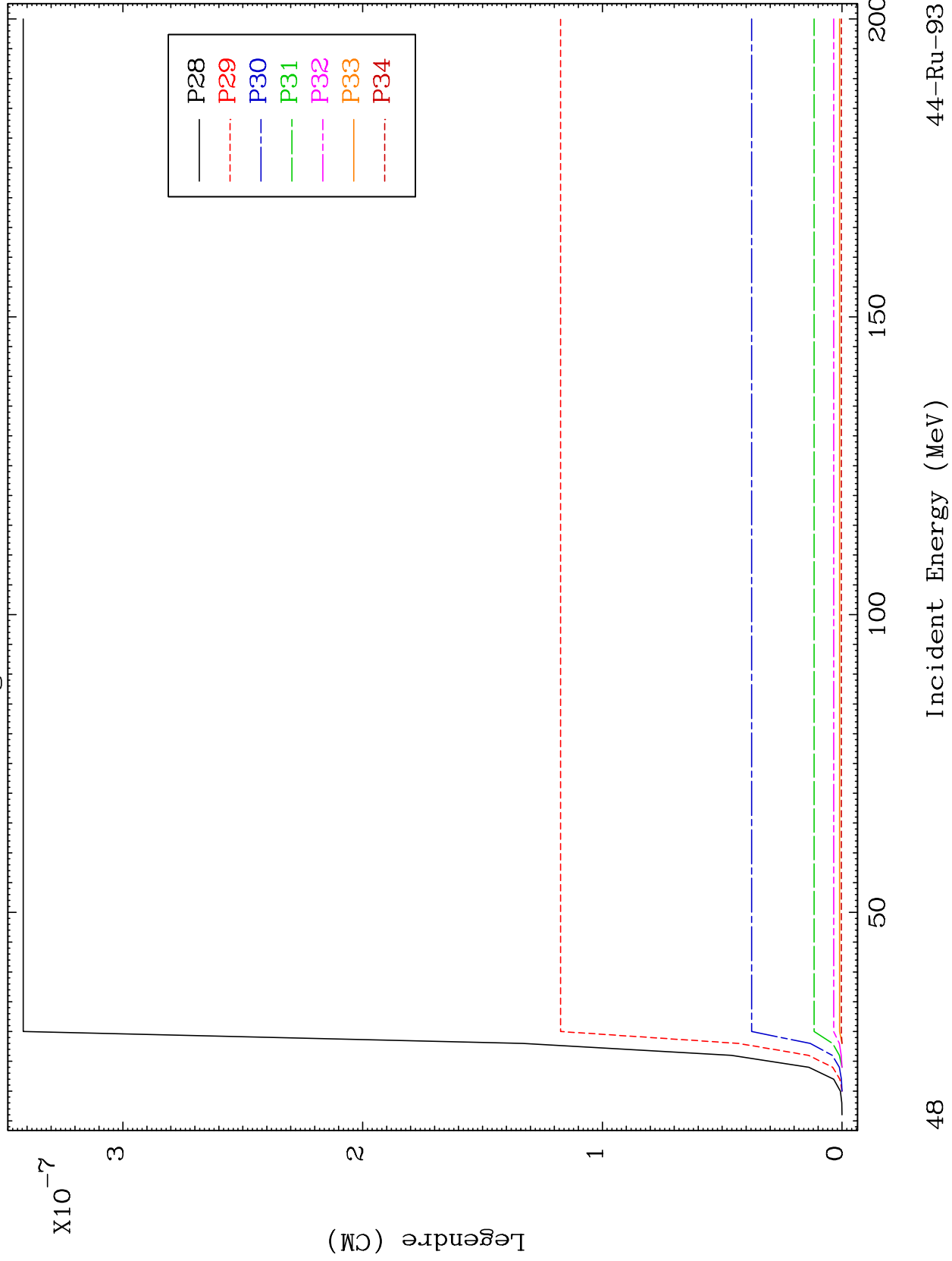
44-Ru-93



MAT 4416

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

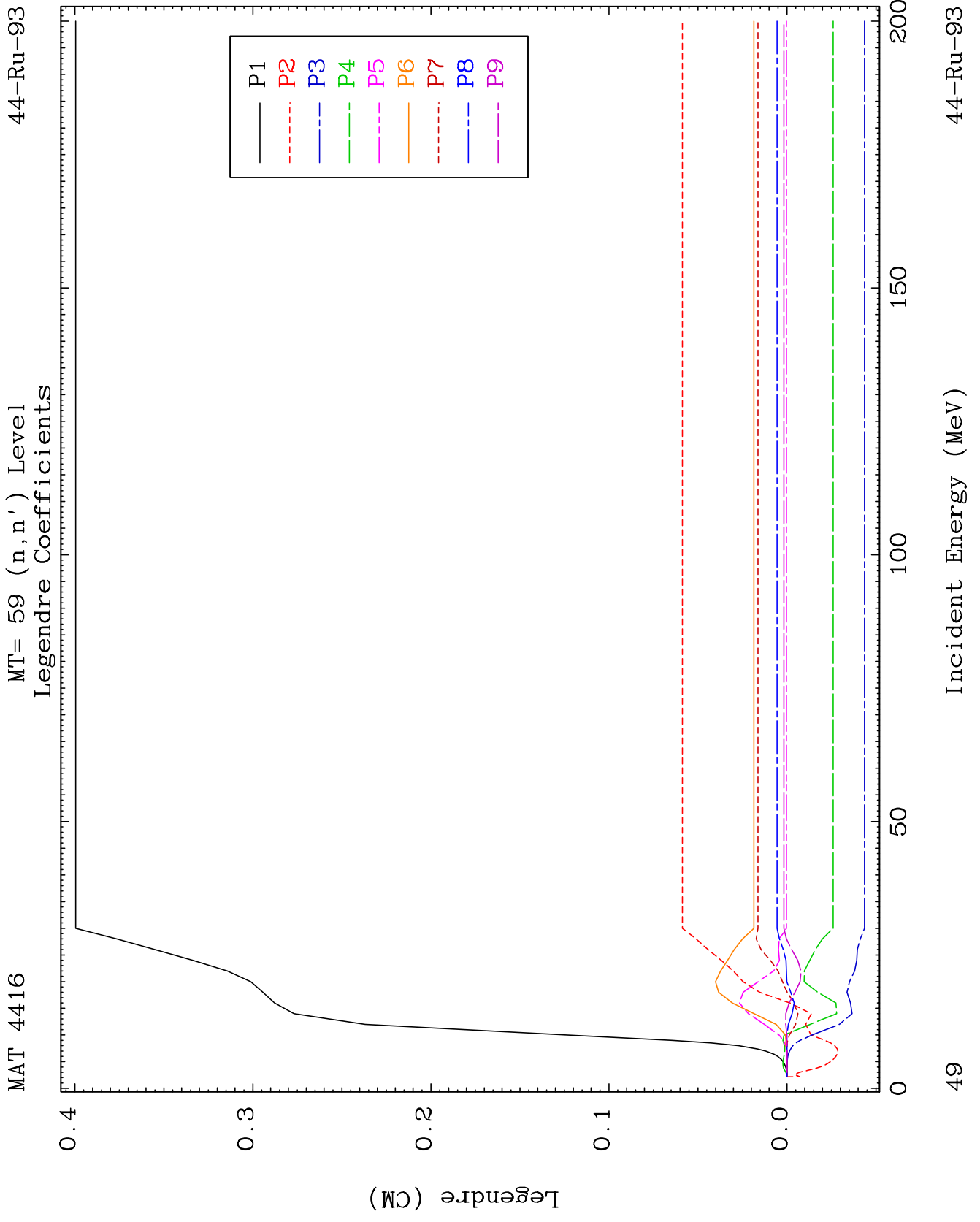
44-Ru-93



48

Incident Energy (MeV)

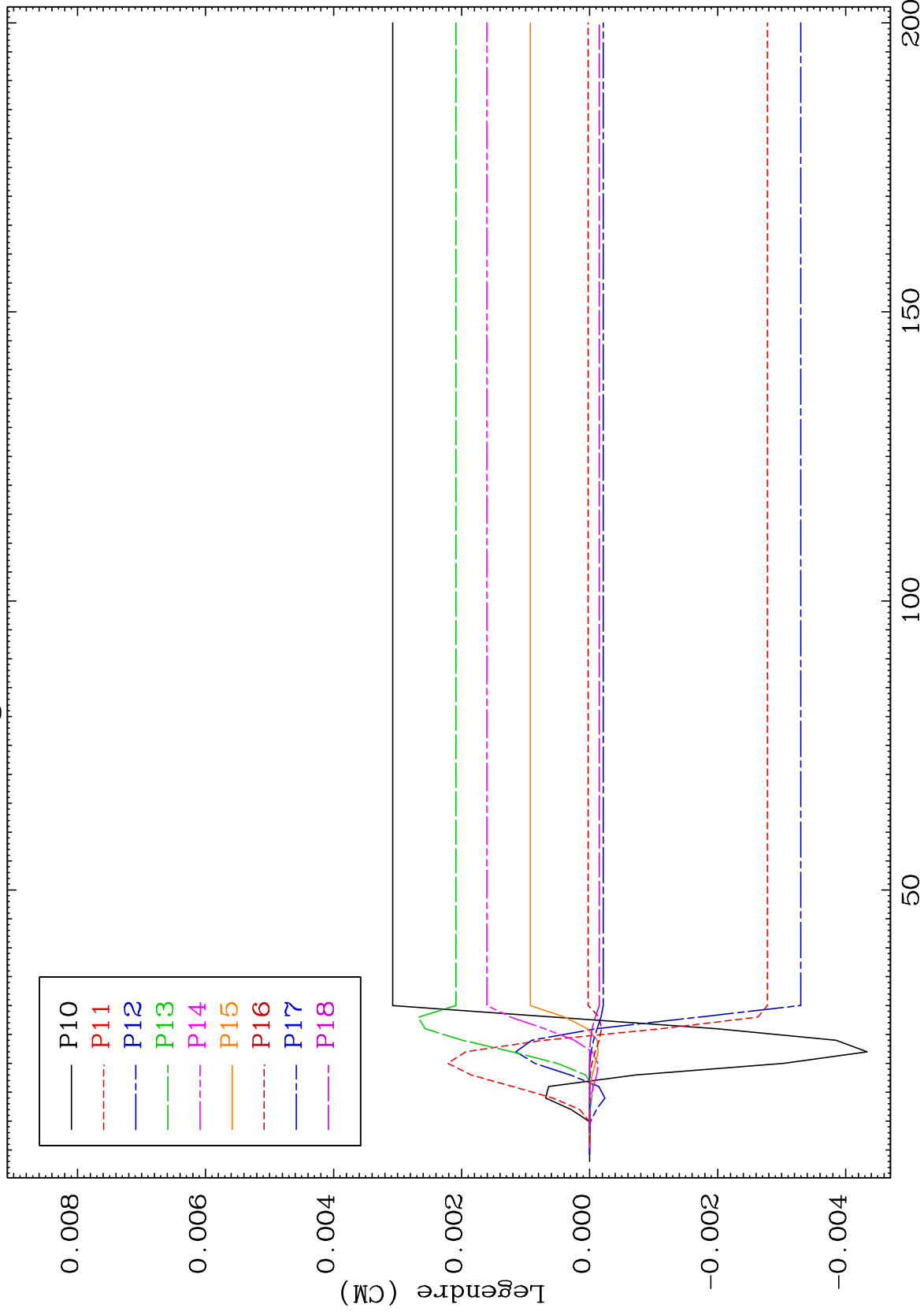
44-Ru-93



MAT 4416

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

44-Ru-93



50

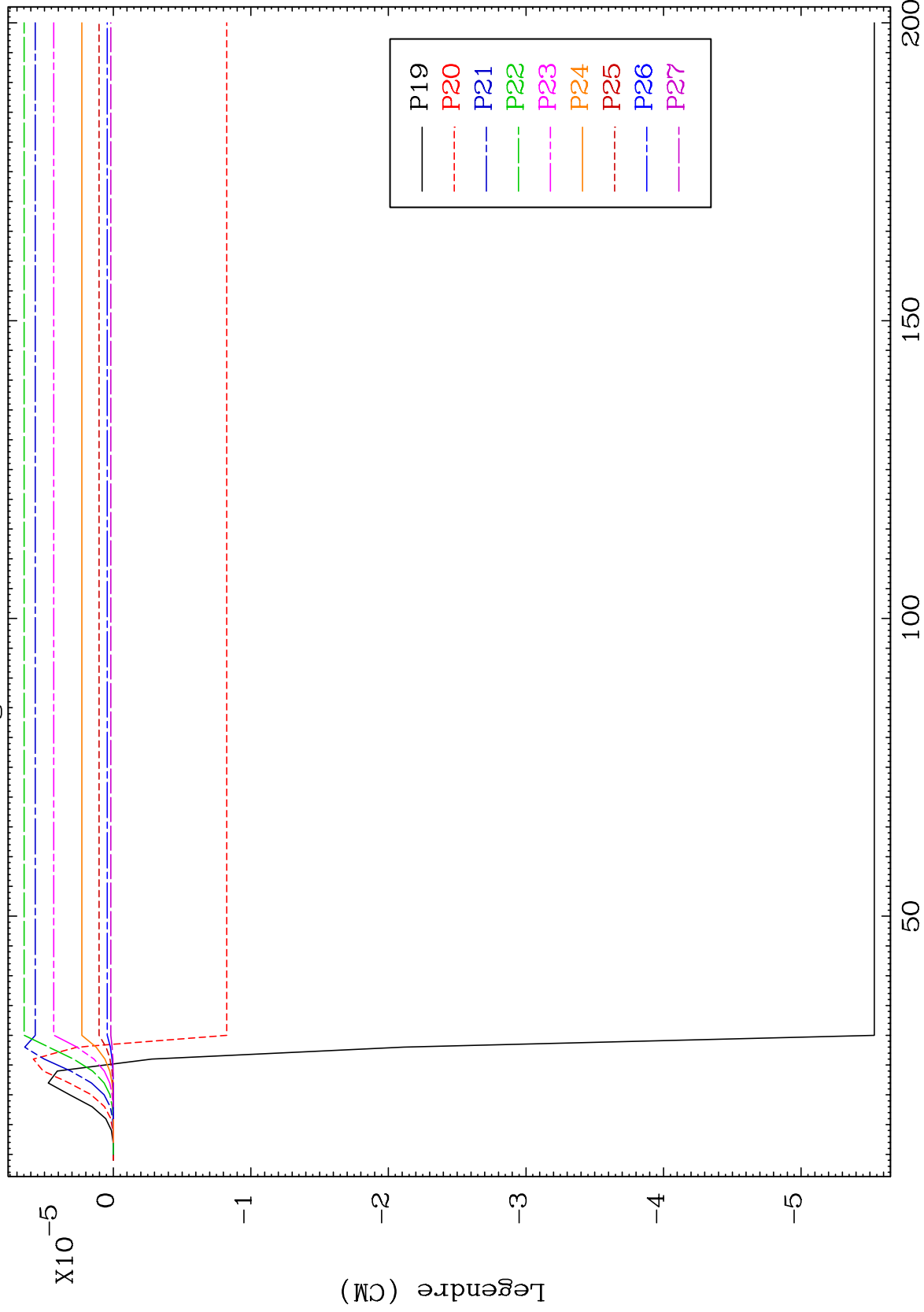
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

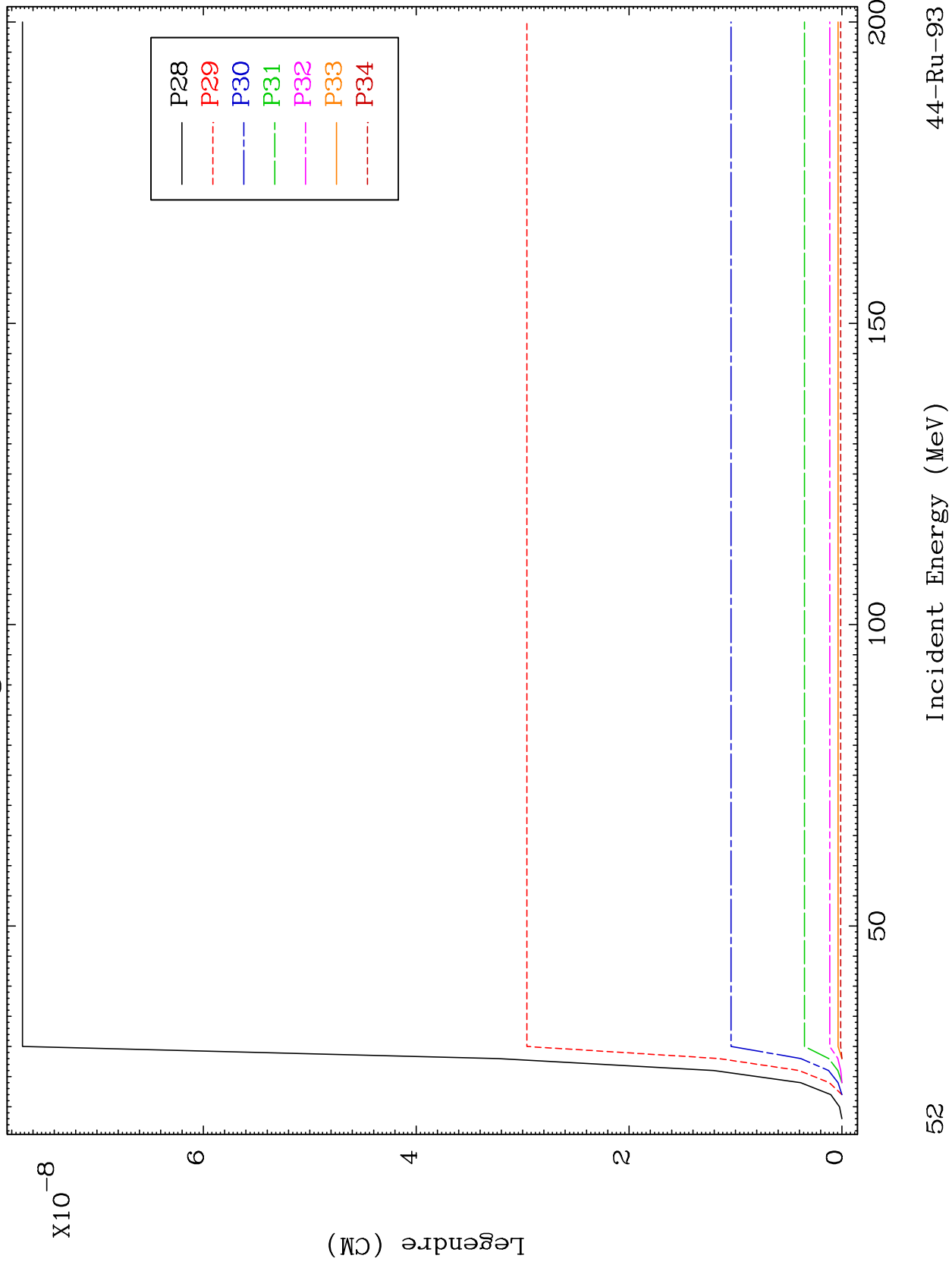
44-Ru-93



MAT 4416

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

44-Ru-93



52

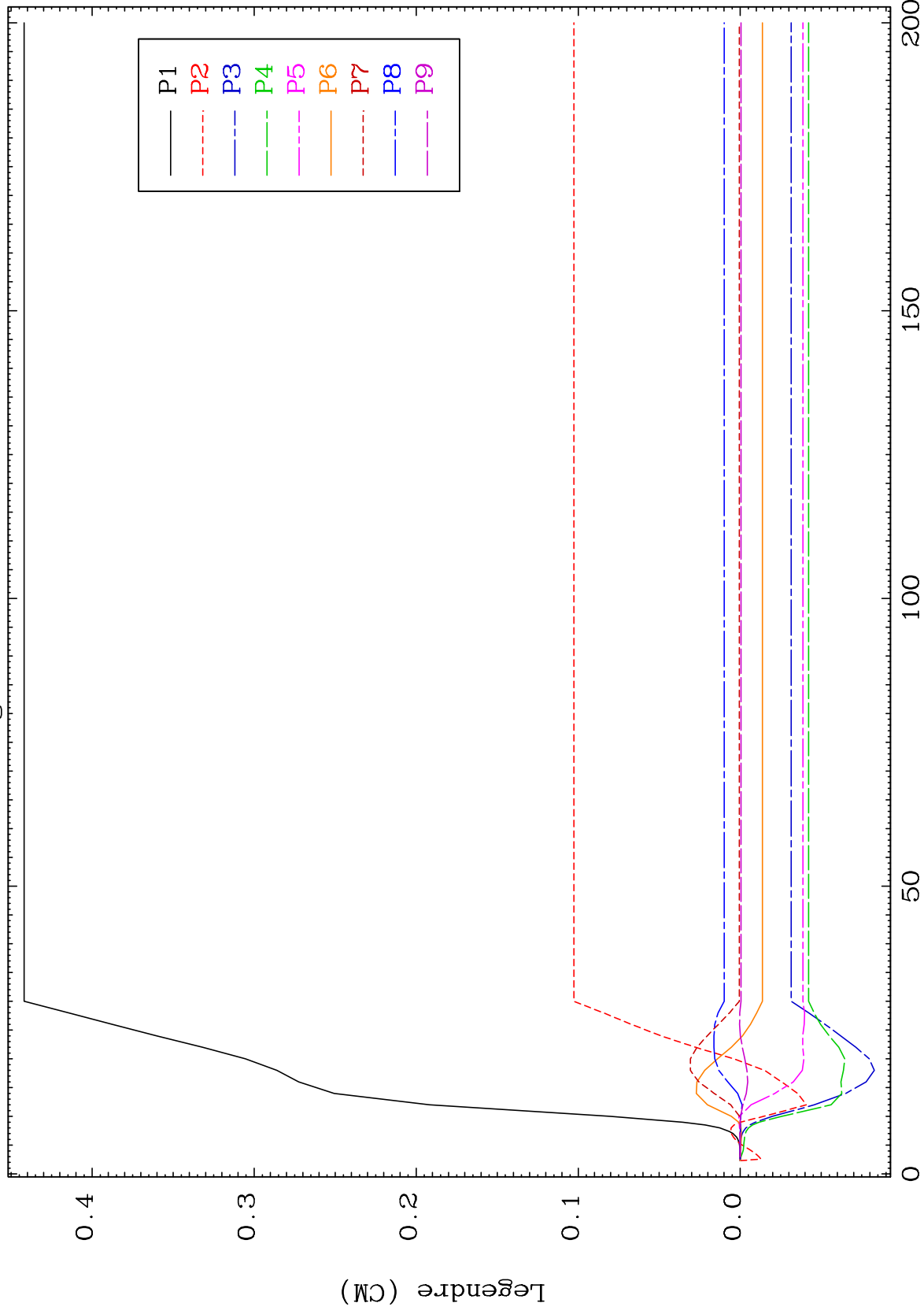
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

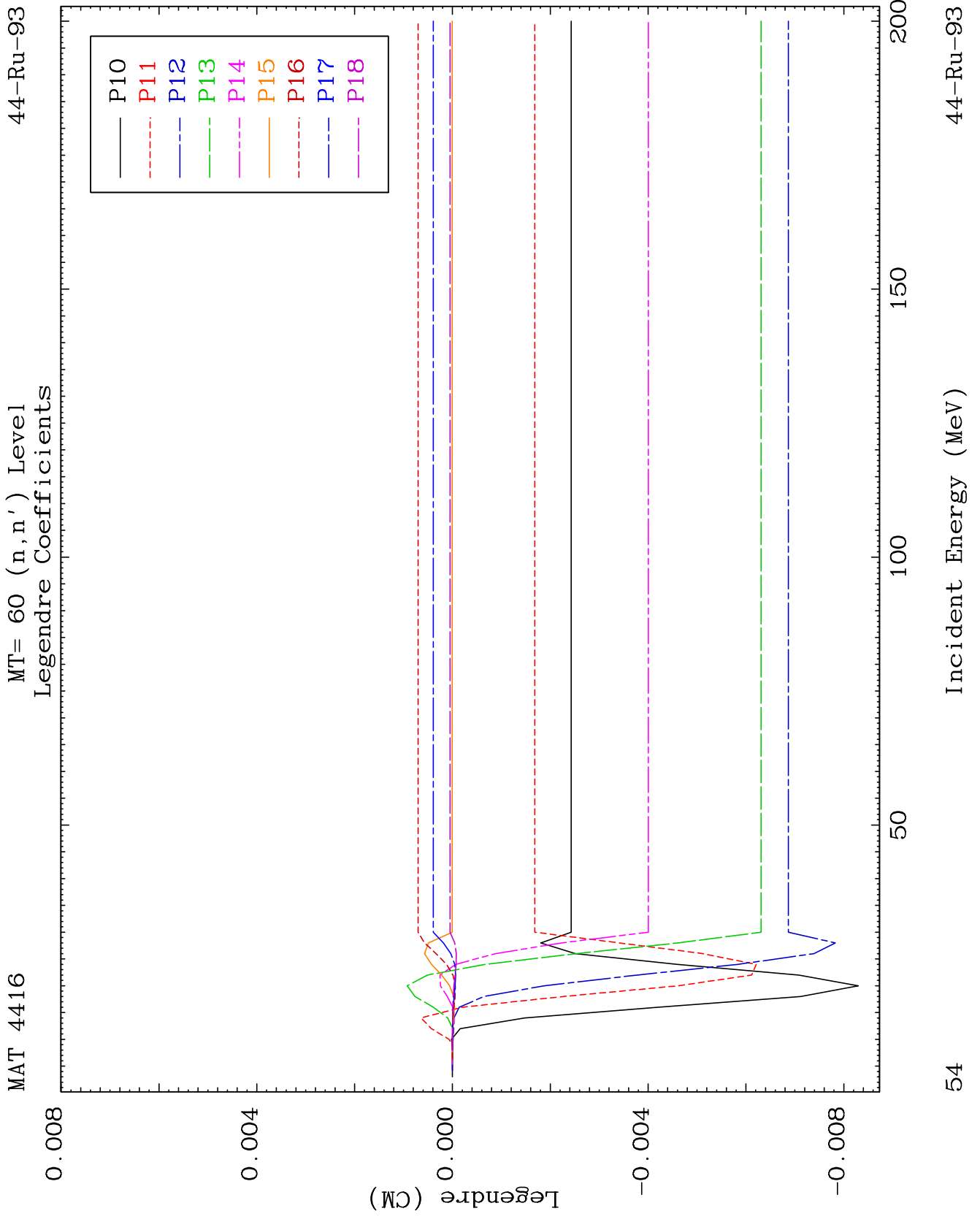
44-Ru-93



53

Incident Energy (MeV)

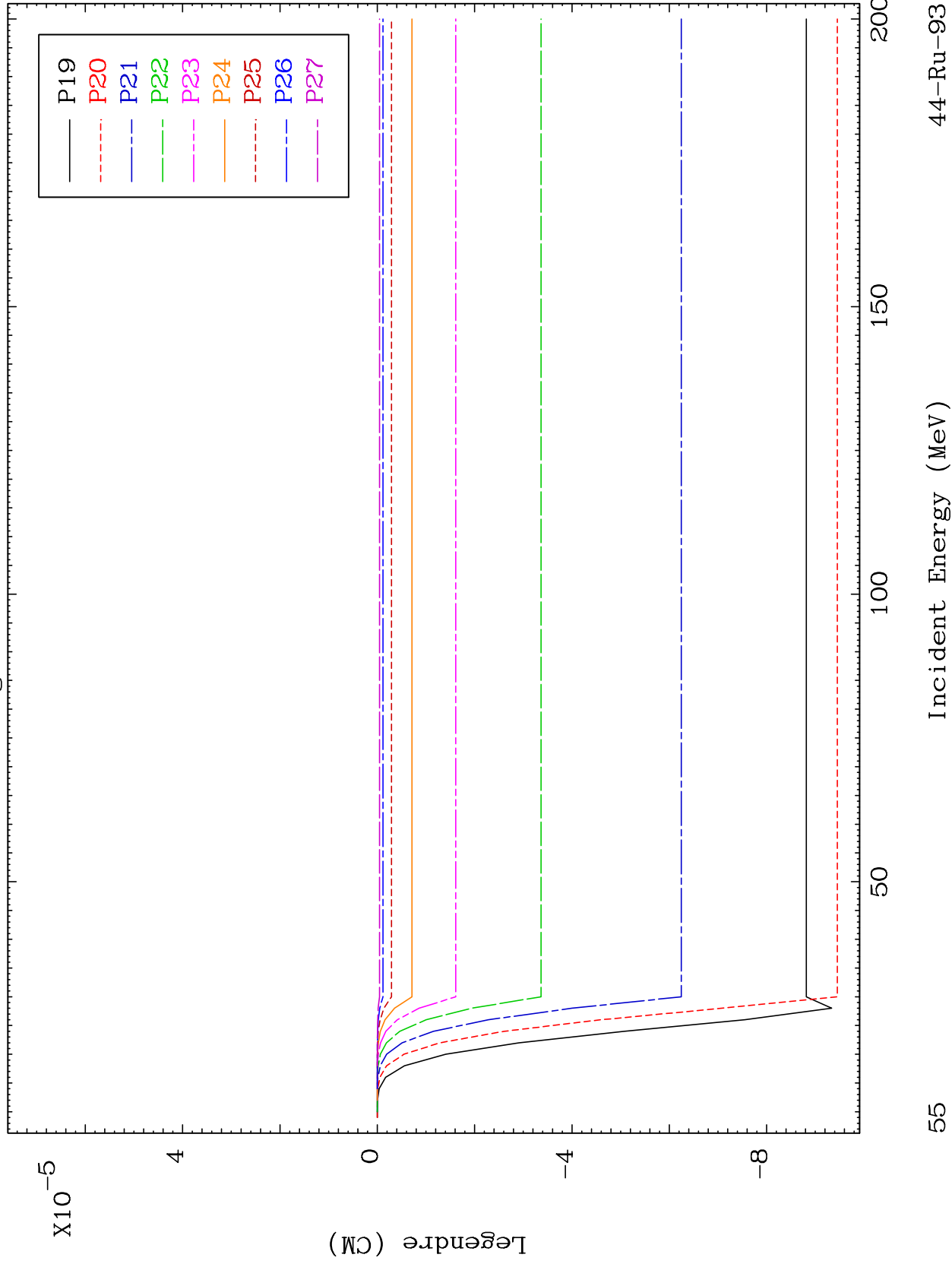
44-Ru-93



MAT 4416

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

44-Ru-93



55

44-Ru-93

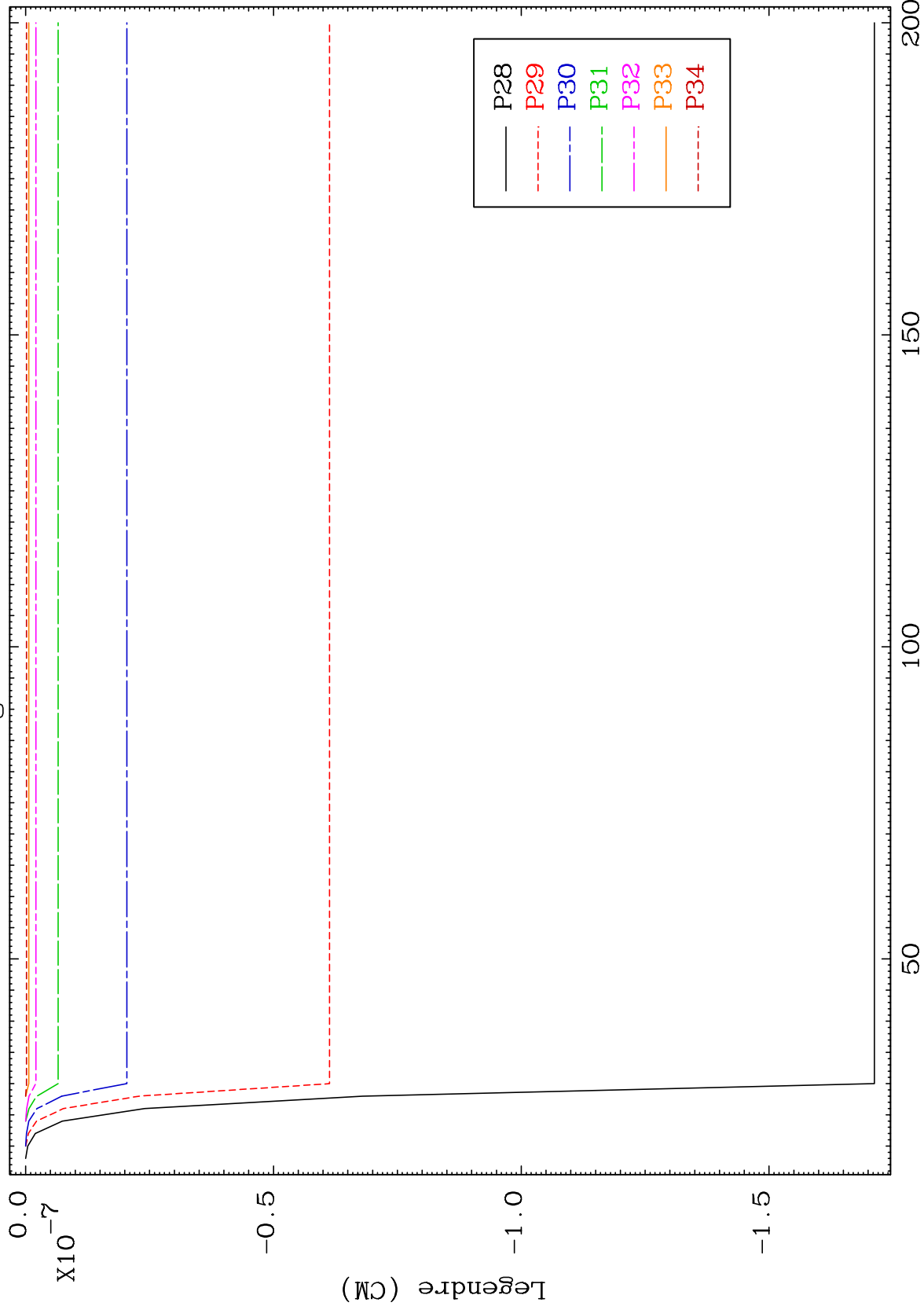


MAT 4416

MT= 60 (n,n') Level

44-Ru-93

Legendre Coefficients



44-Ru-93

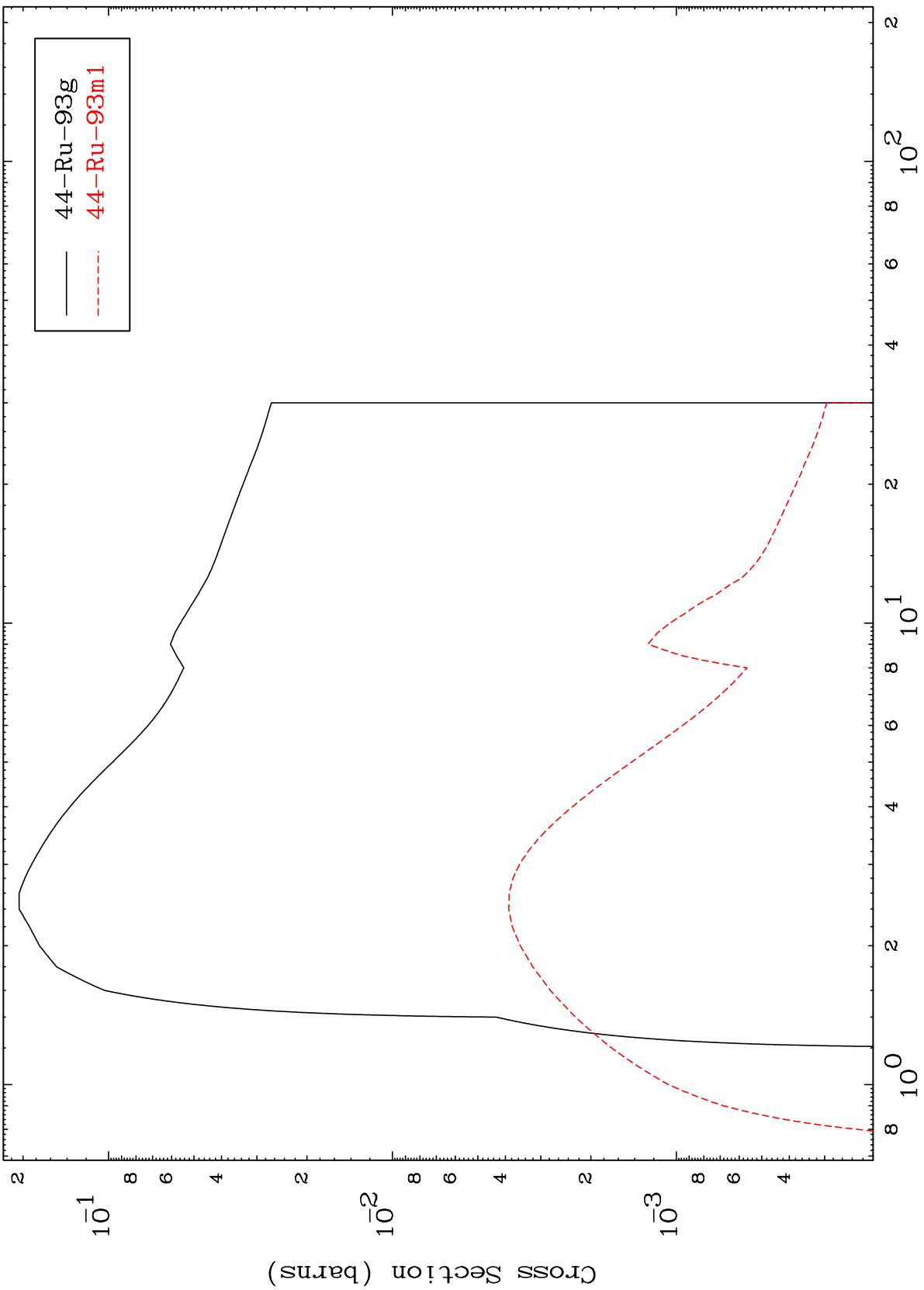
Incident Energy (MeV)

56

MAT 4416

44-Ru-93

Inelastic  
Radionuclide Production Cross Section

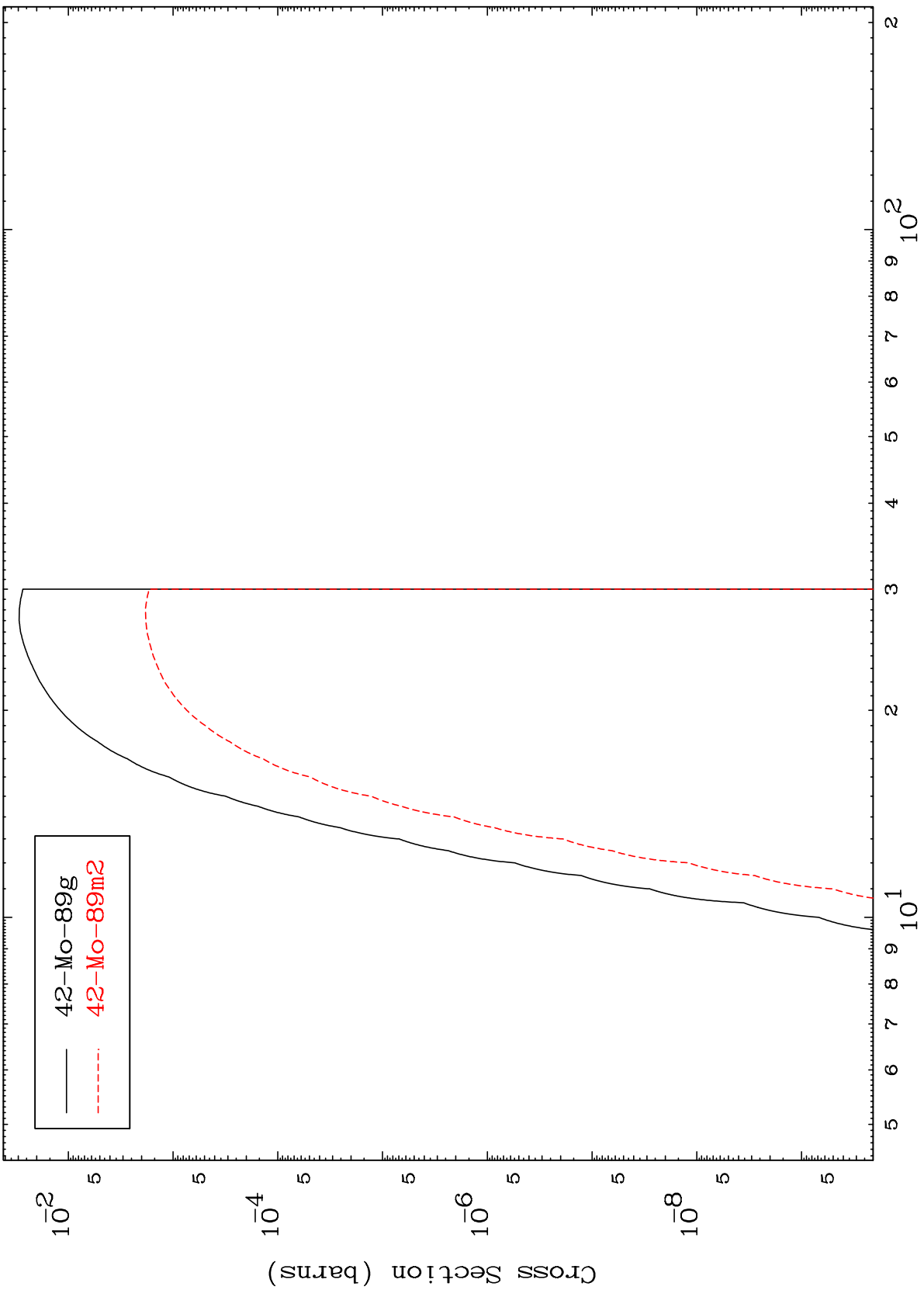


57

Incident Energy (MeV)

44-Ru-93

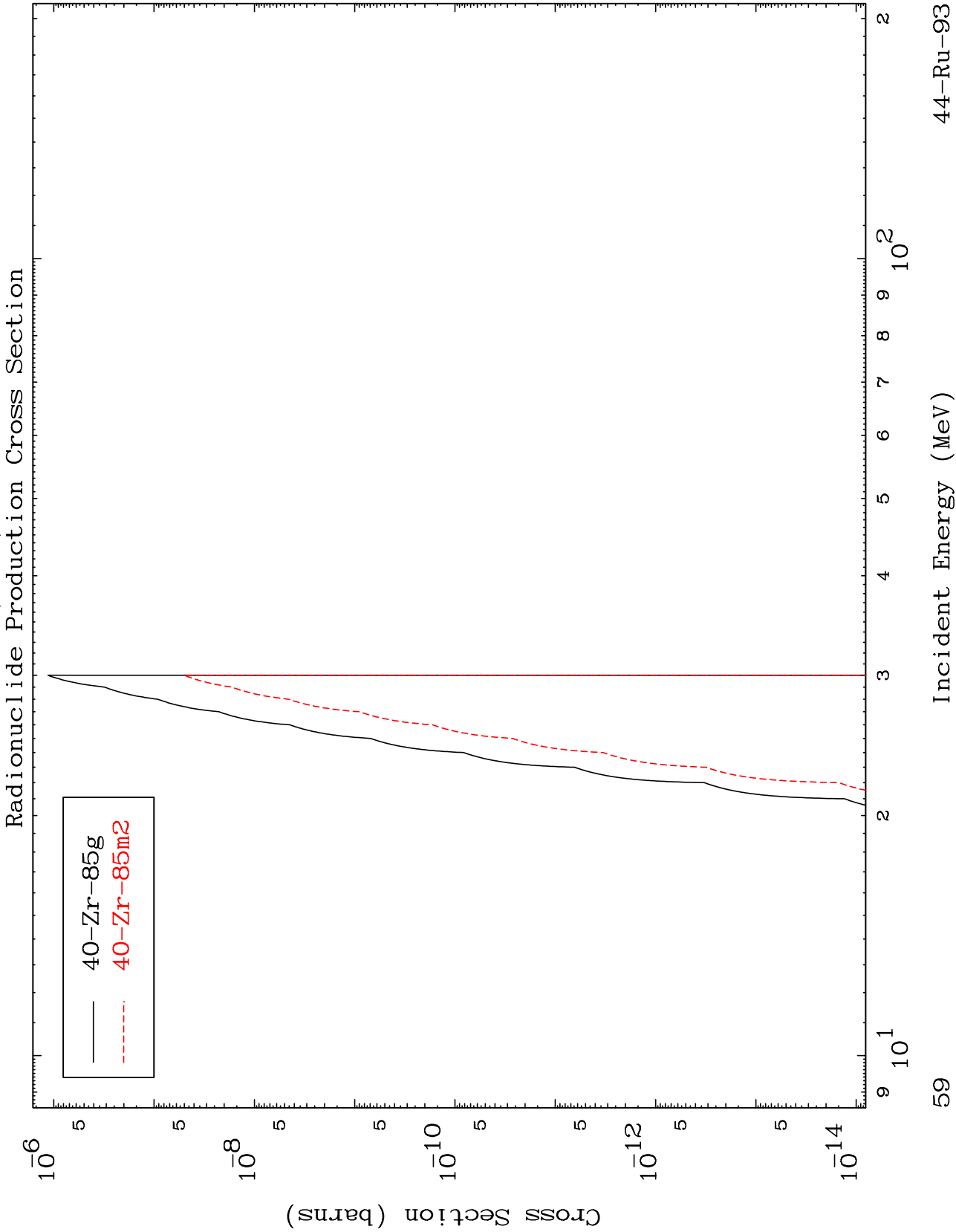
Radionuclide Production Cross Section



MAT 4416

(n,n') 2α

44-Ru-93



59

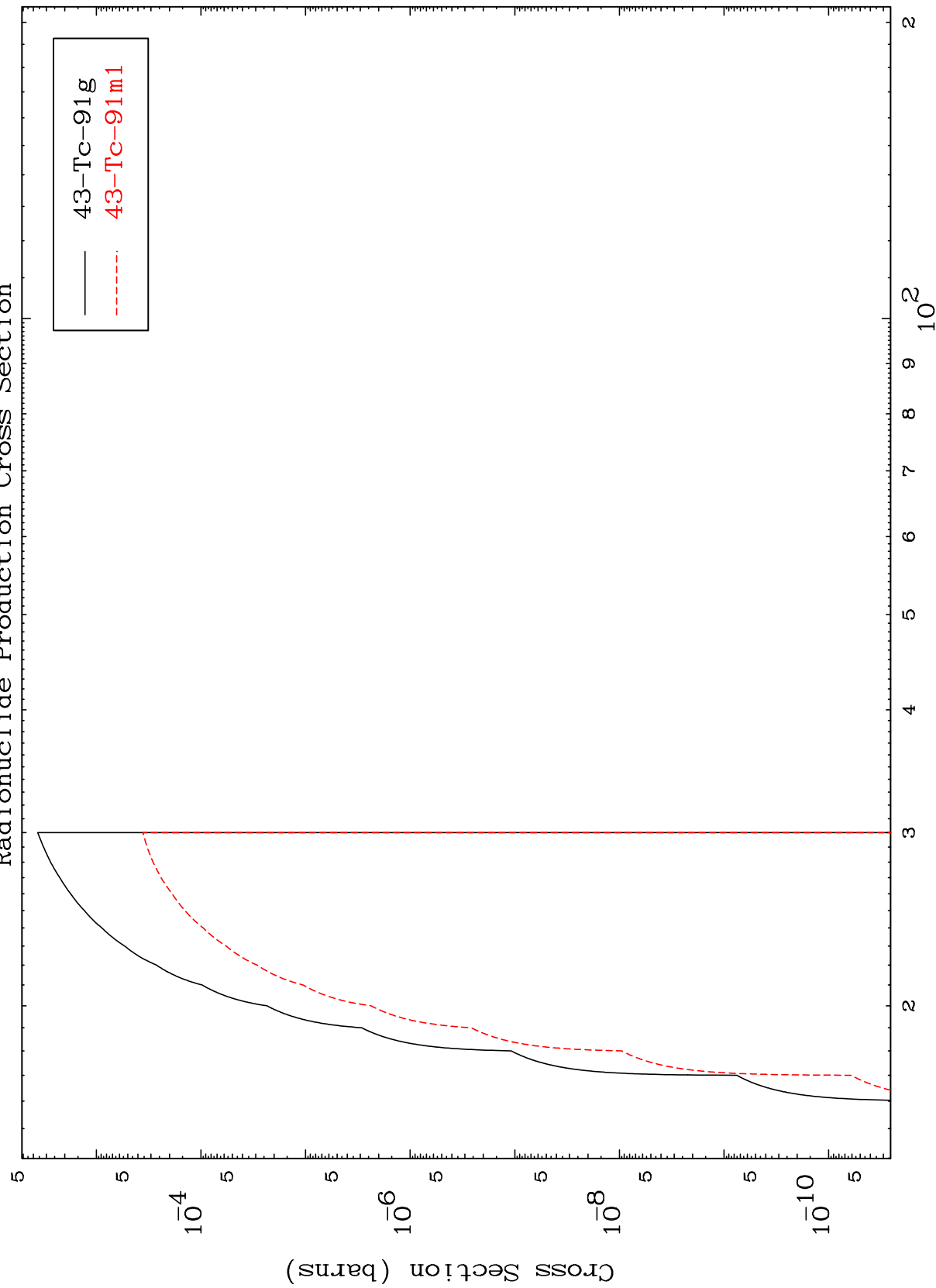
44-Ru-93

MAT 4416

(n,n') d

44-Ru-93

Radionuclide Production Cross Section

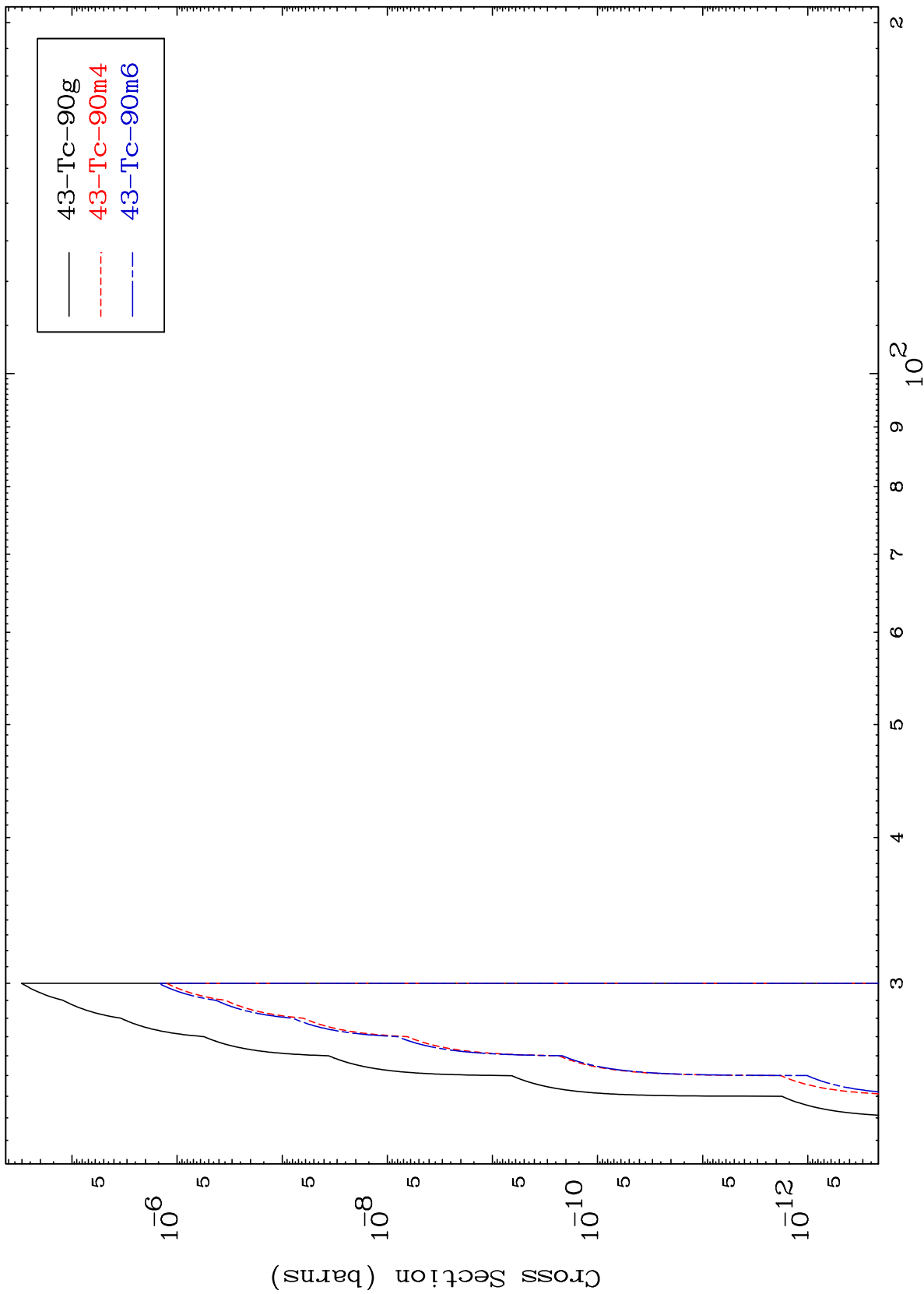


60

Incident Energy (MeV)

44-Ru-93

Radionuclide Production Cross Section

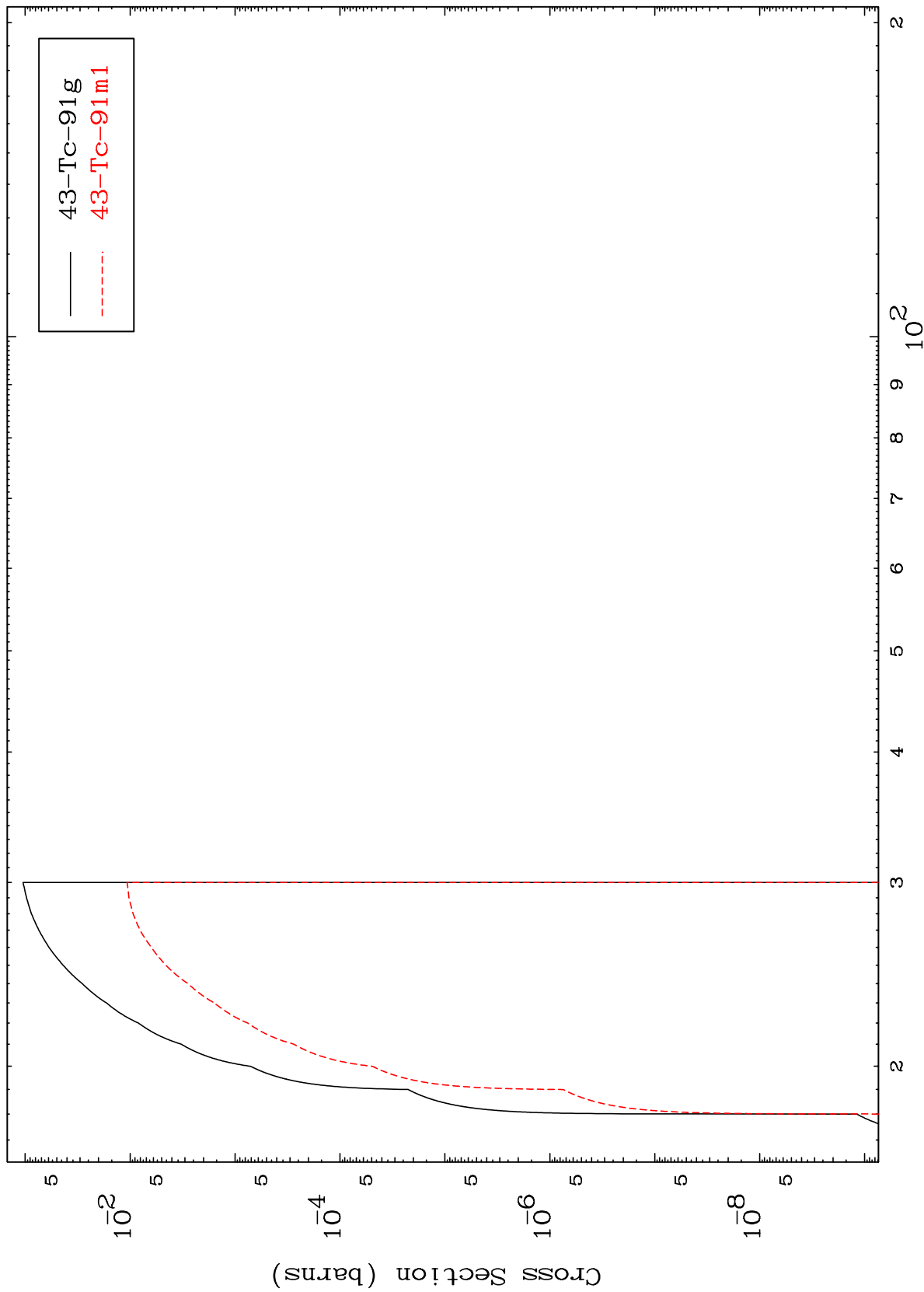


MAT 4416

(n,2n) p

44-Ru-93

Radionuclide Production Cross Section



62

Incident Energy (MeV)

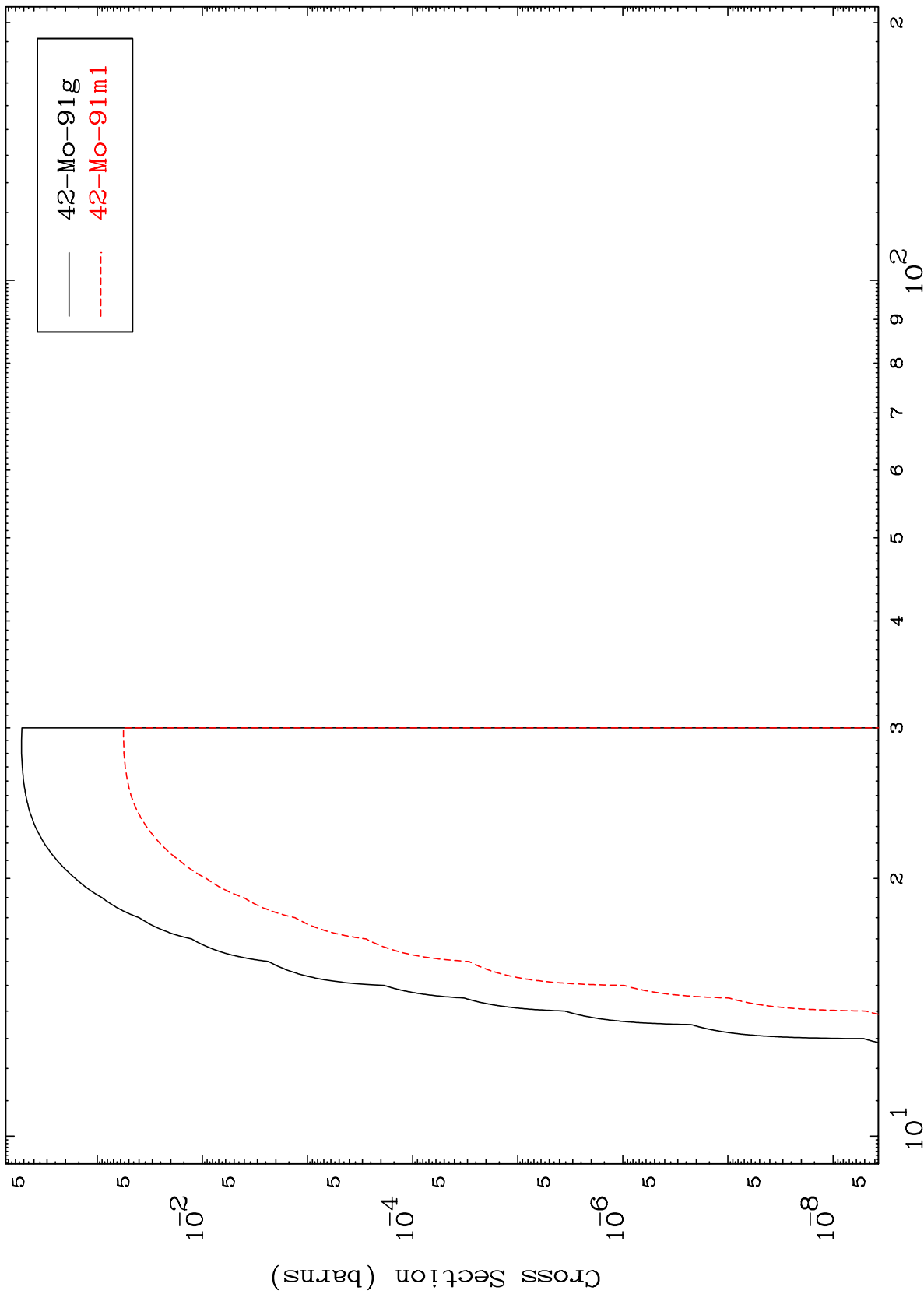
44-Ru-93

MAT 4416

(n,2n) p

44-Ru-93

Radionuclide Production Cross Section



63

Incident Energy (MeV)

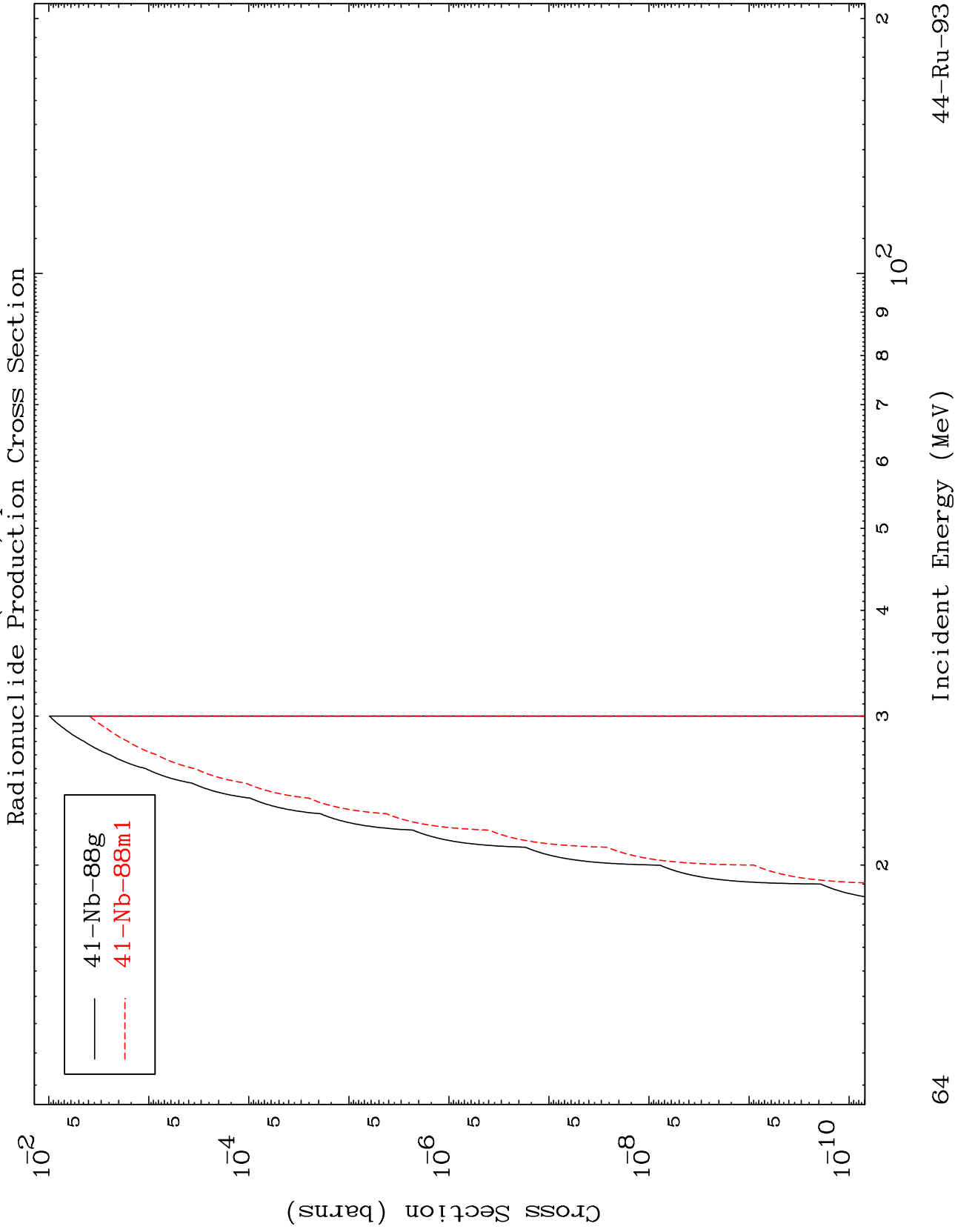
44-Ru-93



MAT 4416

(n,n') p  $\alpha$

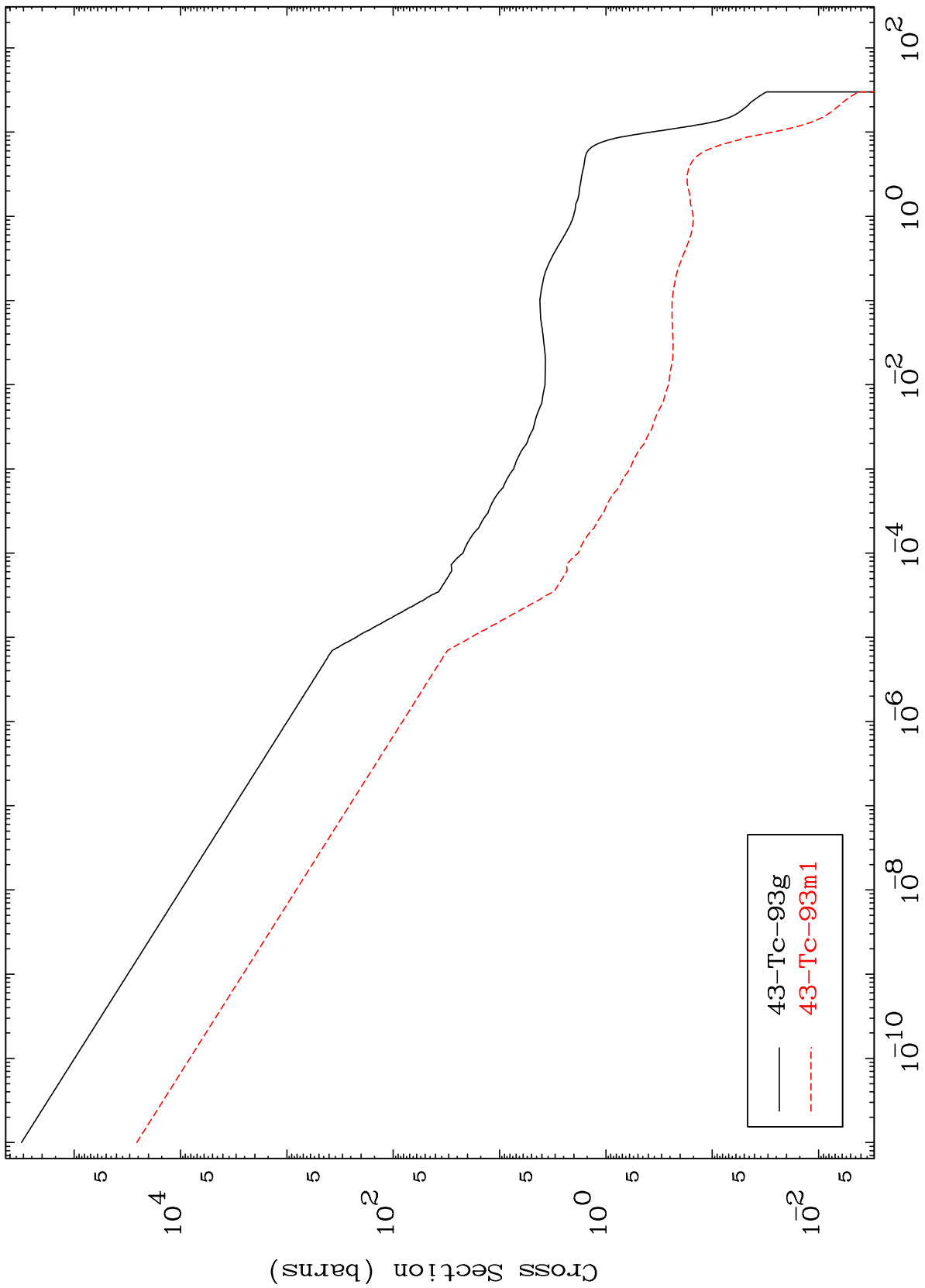
44-Ru-93



MAT 4416

44-Ru-93

(n,p)  
Radionuclide Production Cross Section



65

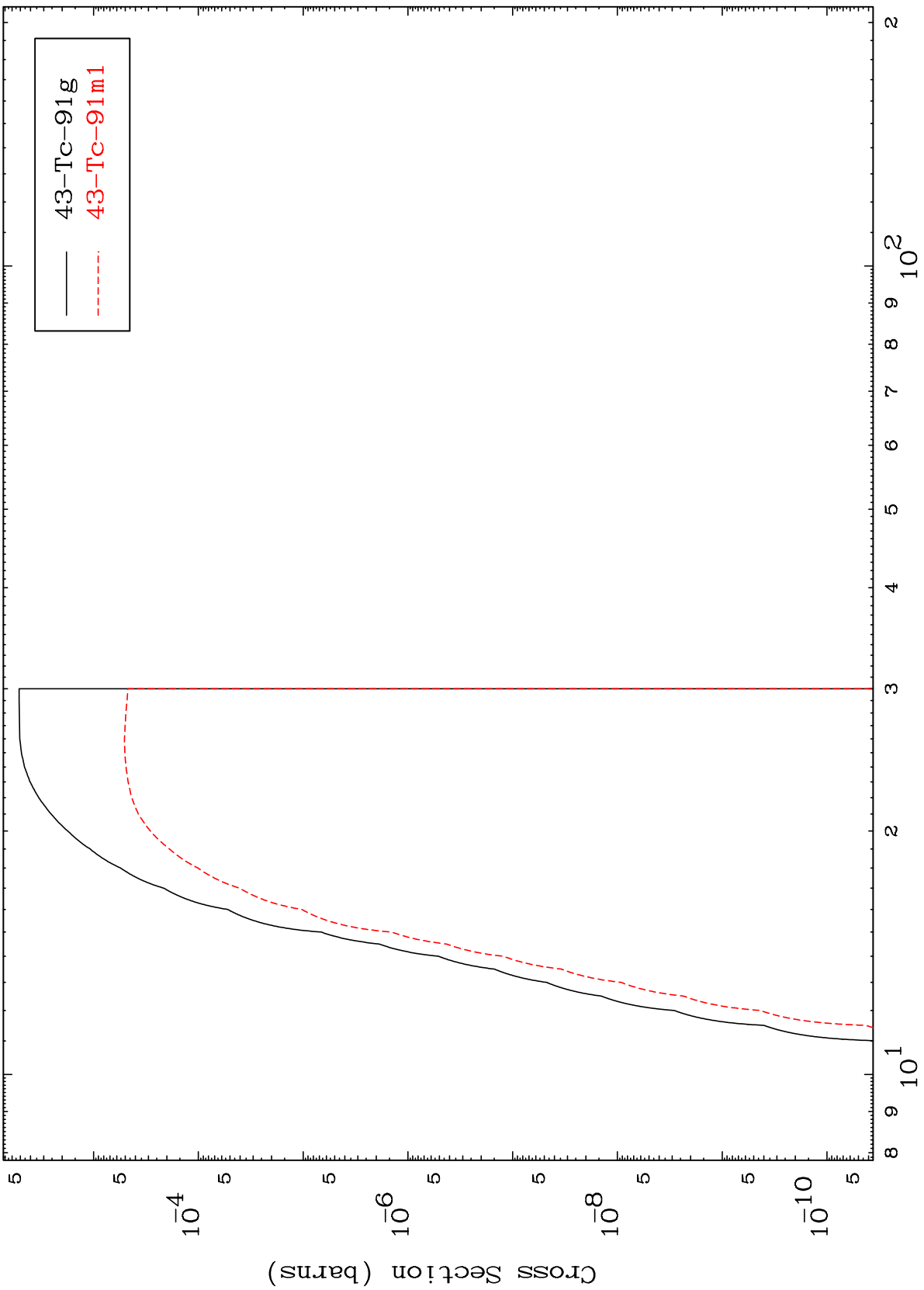
44-Ru-93

Incident Energy (MeV)

MAT 4416

44-Ru-93

(n, t)  
Radionuclide Production Cross Section



66

Incident Energy (MeV)

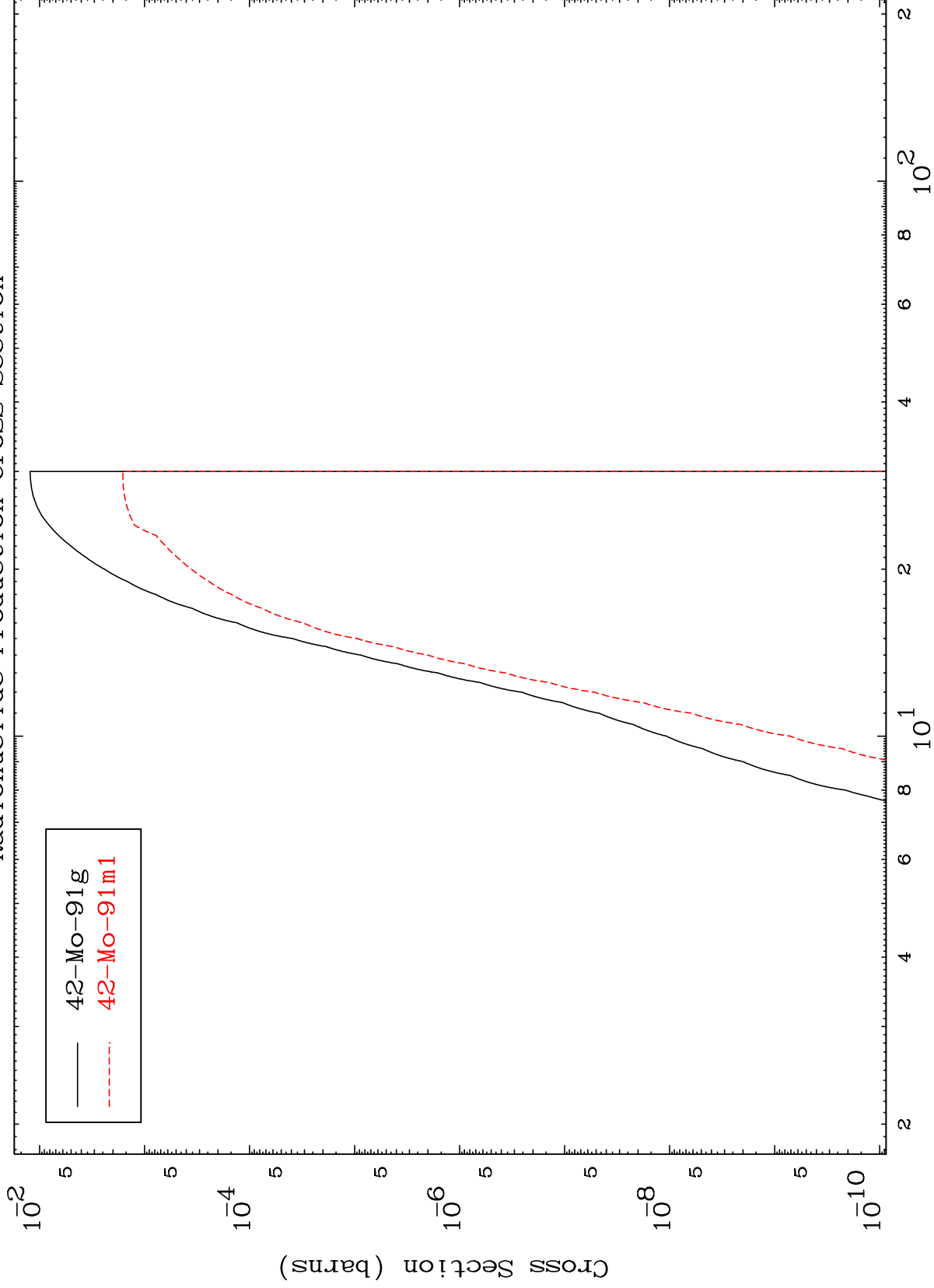
44-Ru-93

MAT 4416

(n,He-3)

44-Ru-93

Radionuclide Production Cross Section



67

Incident Energy (MeV)

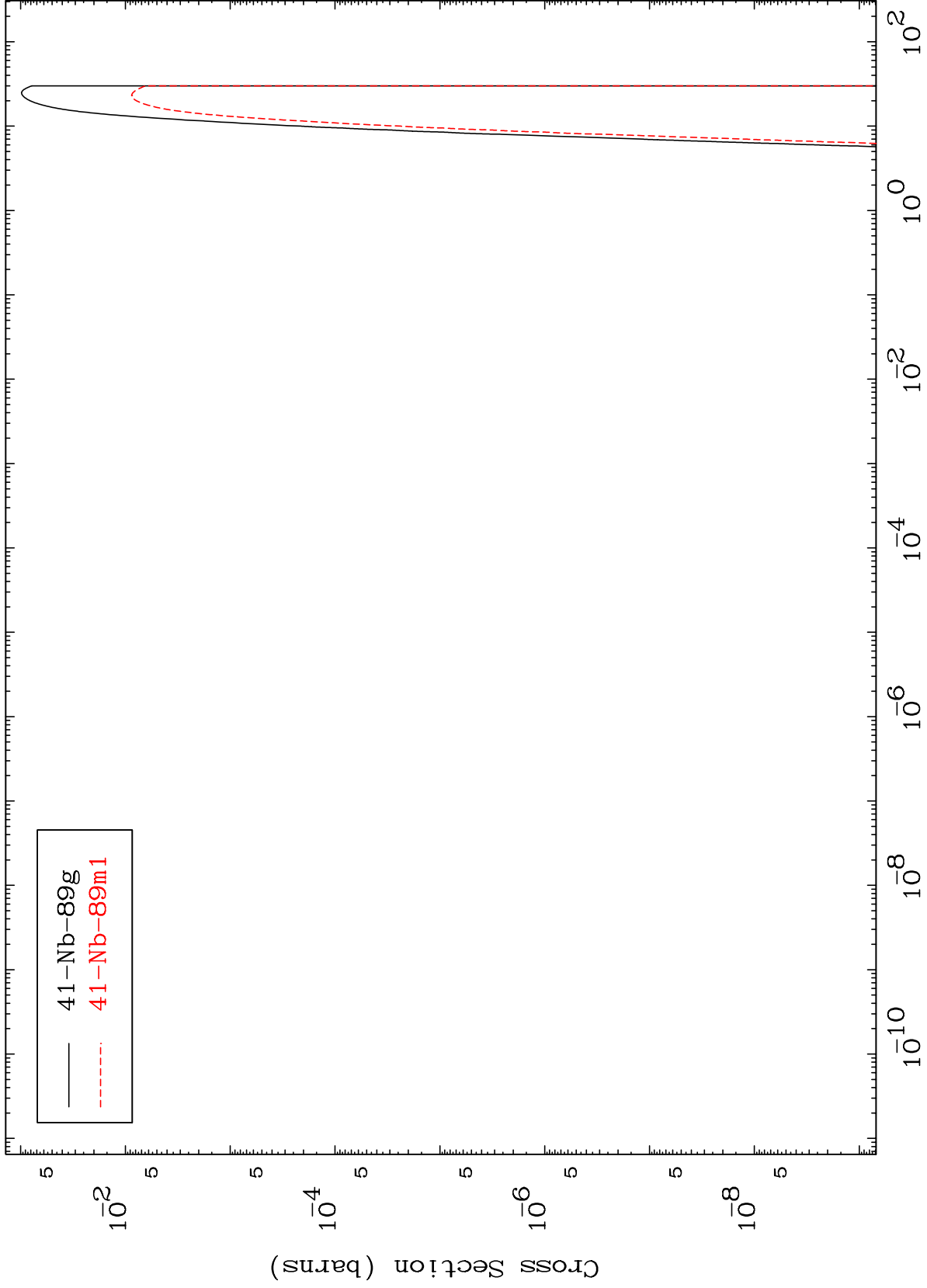
44-Ru-93

MAT 4416

(n,p)  $\alpha$

44-Ru-93

Radionuclide Production Cross Section



68

Incident Energy (MeV)

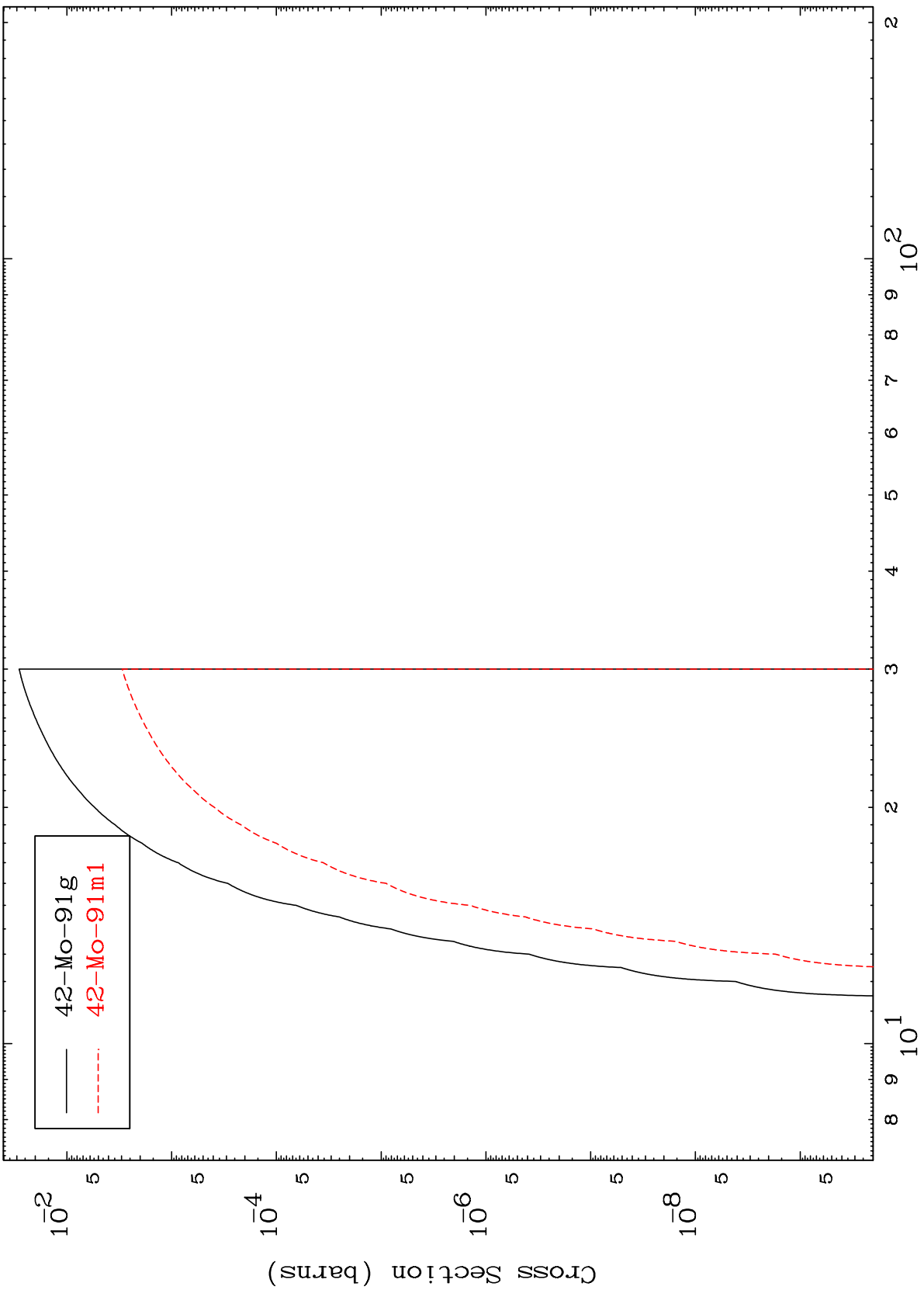
44-Ru-93

MAT 4416

(n,p) d

44-Ru-93

Radionuclide Production Cross Section



— 42-Mo-91g  
- - - 42-Mo-91m1

69

Incident Energy (MeV)

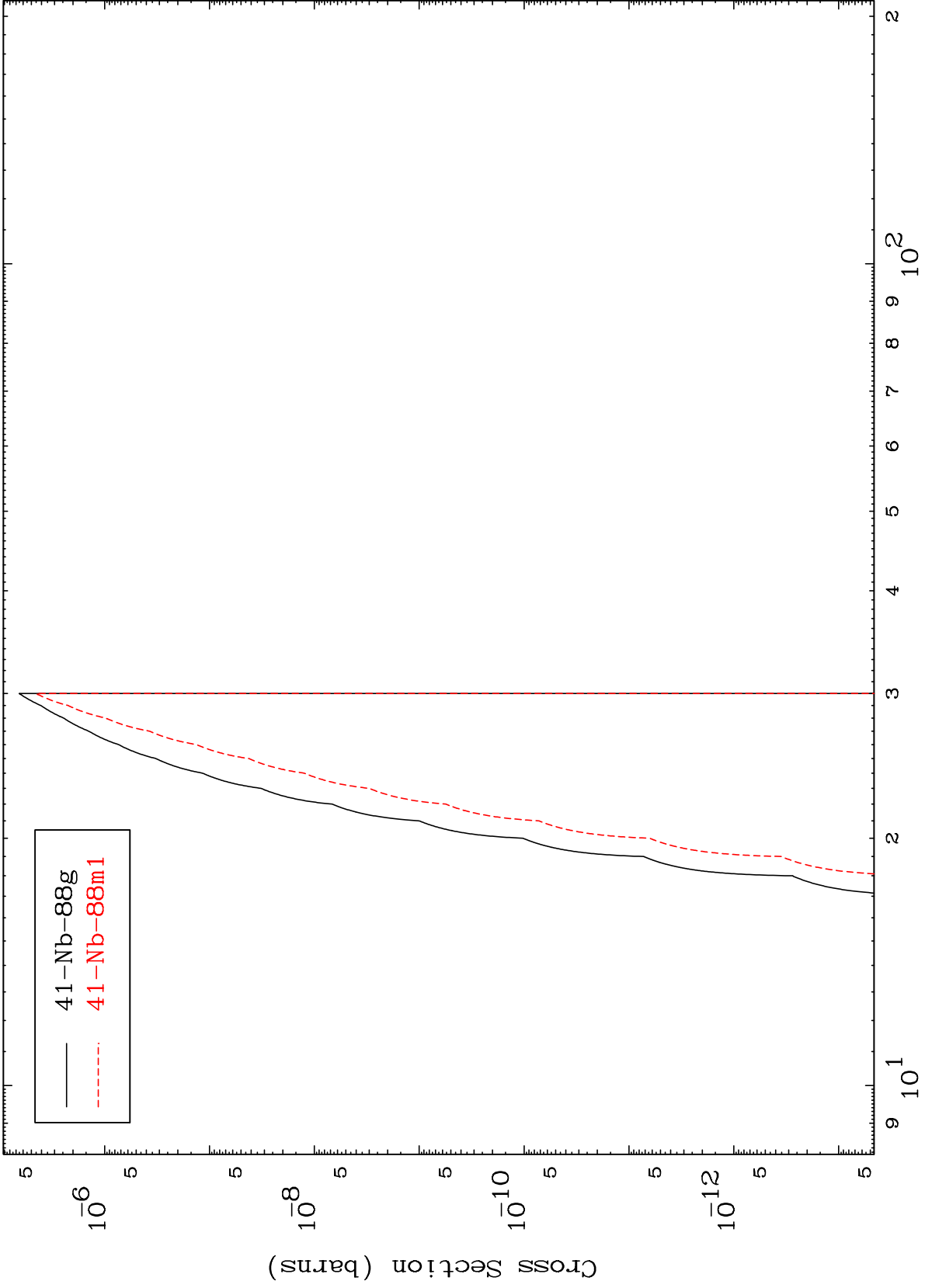
44-Ru-93

MAT 4416

(n,d)  $\alpha$

44-Ru-93

Radionuclide Production Cross Section



70

Incident Energy (MeV)

44-Ru-93