

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

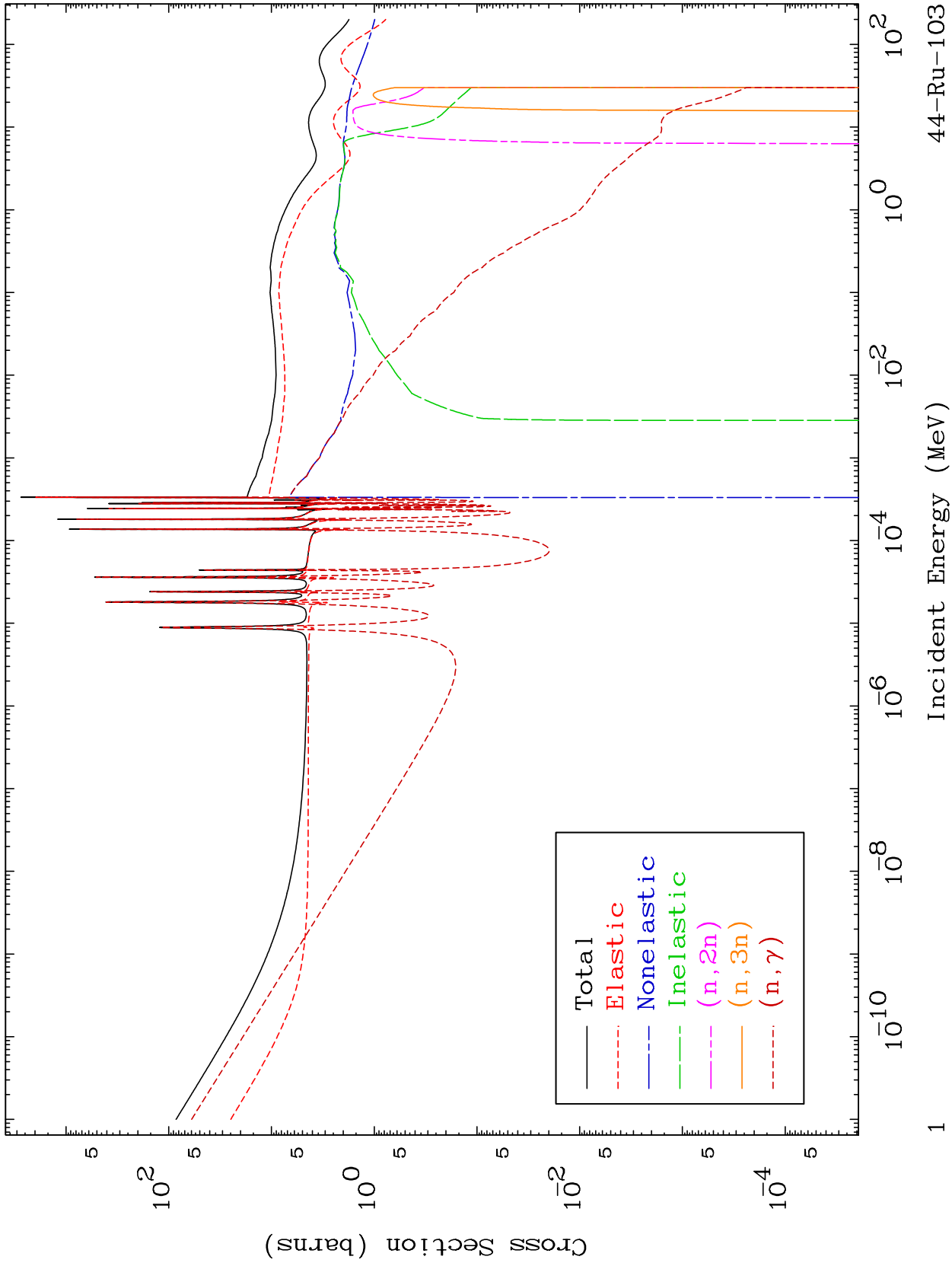
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4446

Neutron Major  
293 Kelvin Cross Sections

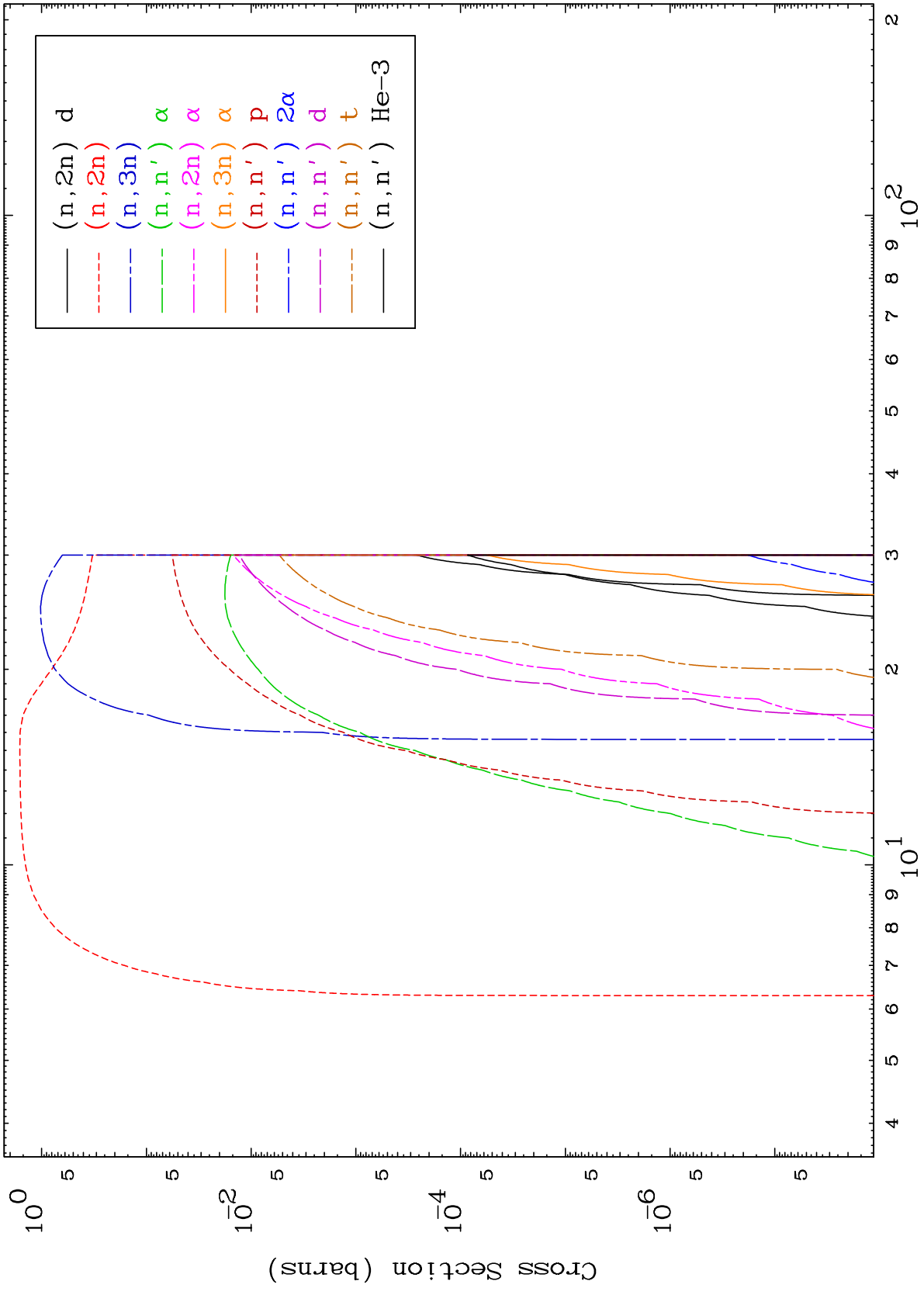
44-Ru-103



MAT 4446

### Neutron Absorption 293 Kelvin Cross Sections

44-Ru-103



2

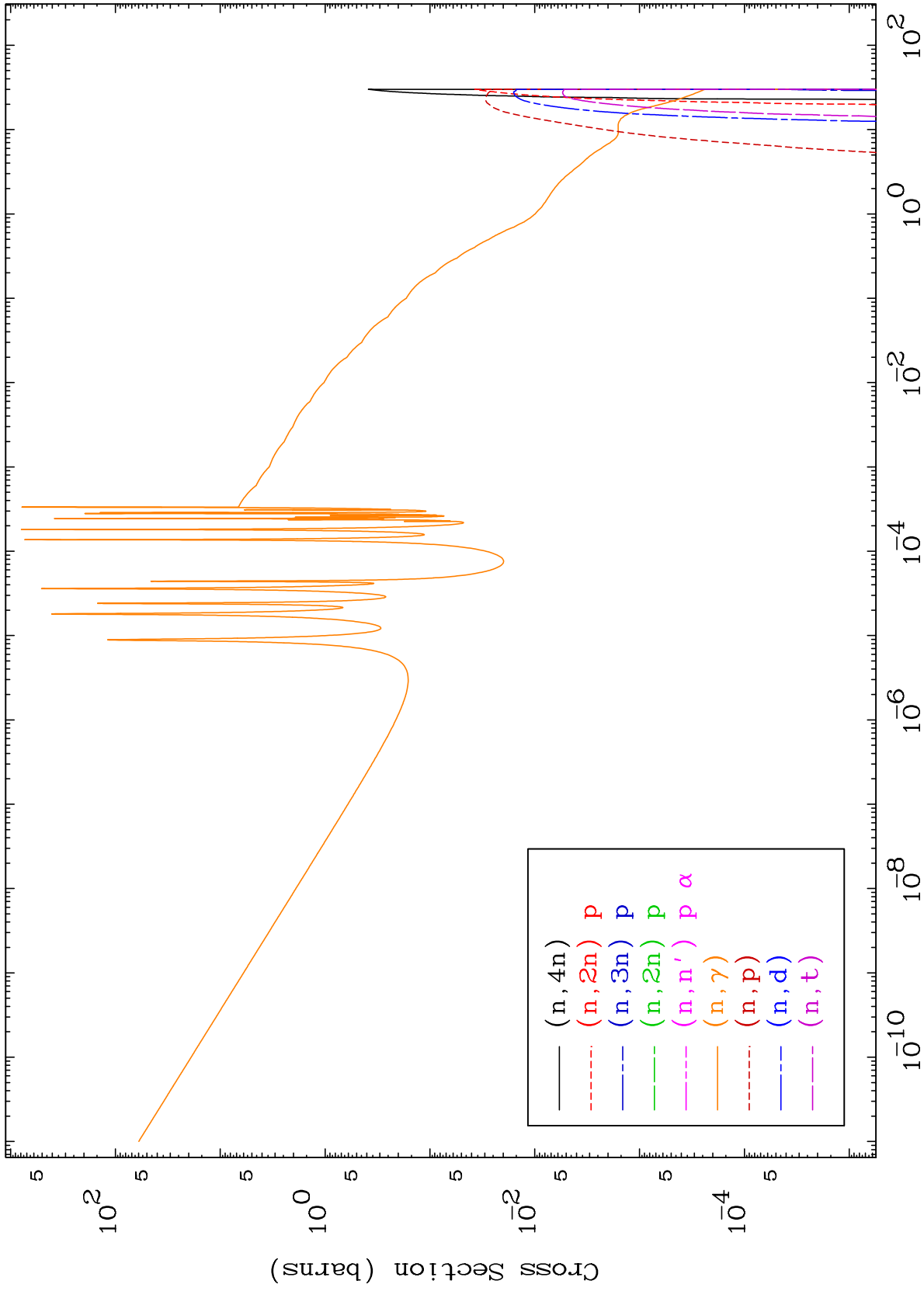
Incident Energy (MeV)

44-Ru-103

MAT 4446

Neutron Absorption  
293 Kelvin Cross Sections

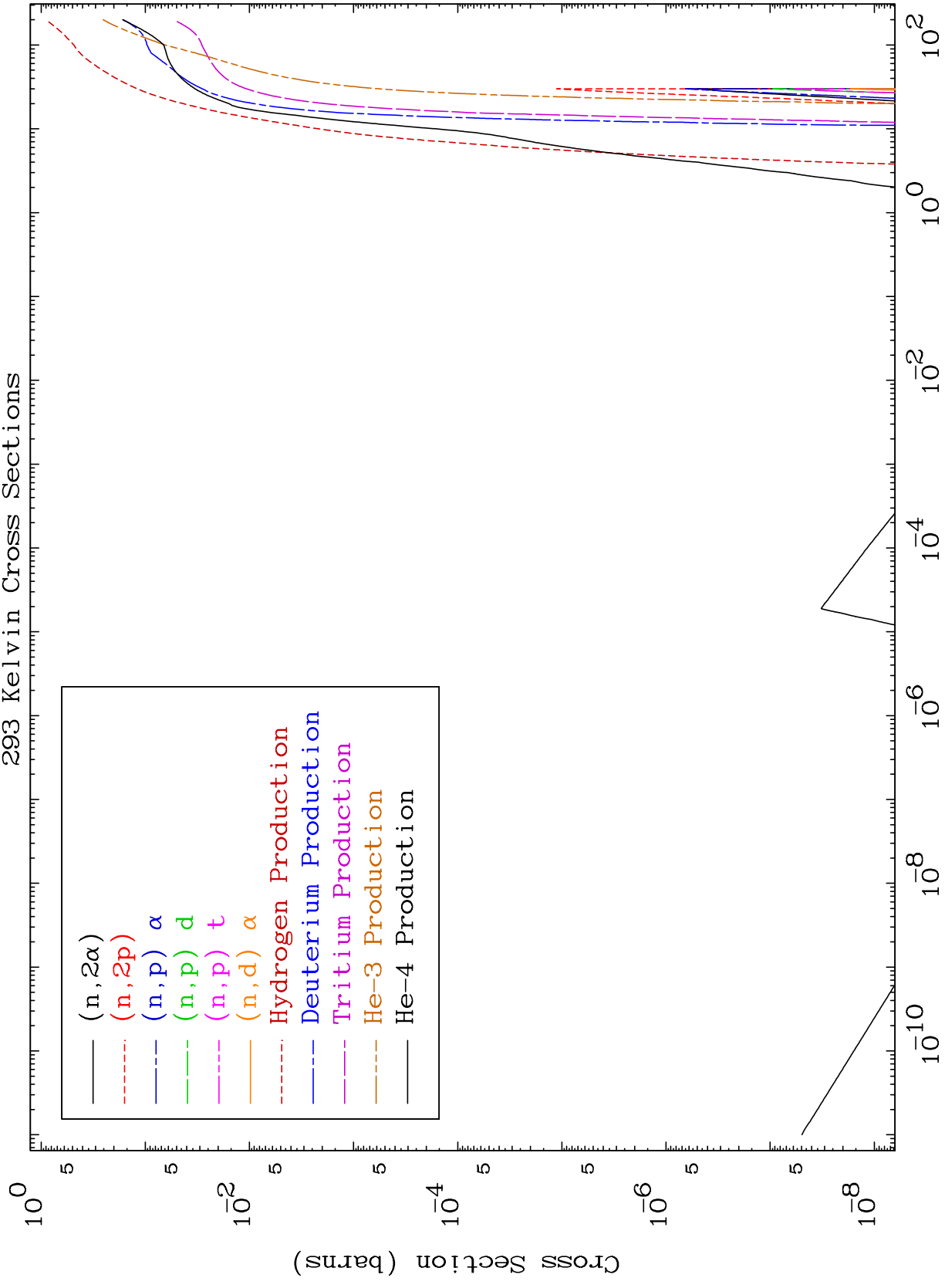
44-Ru-103



MAT 4446

Neutron Absorption  
293 Kelvin Cross Sections

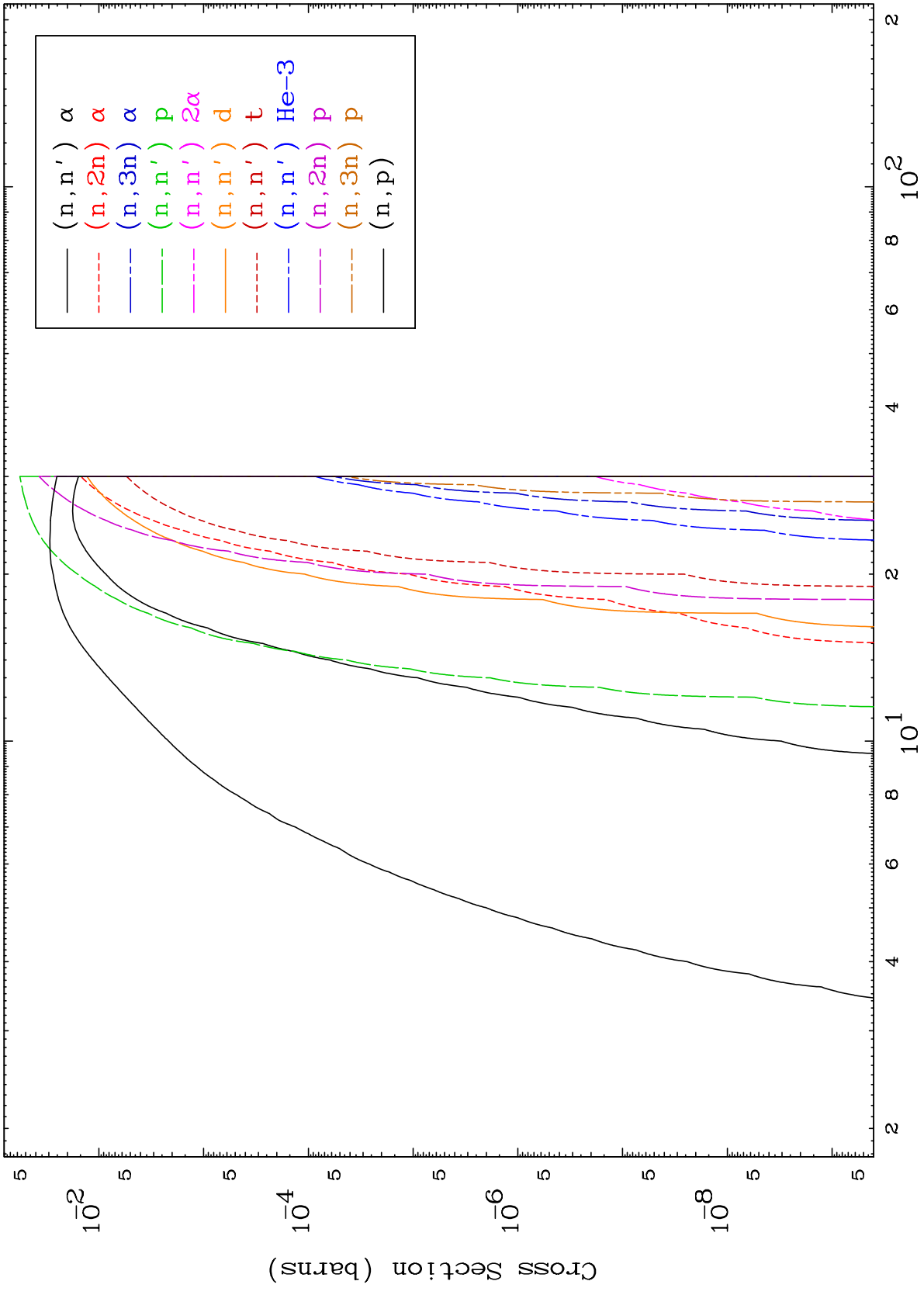
44-Ru-103



MAT 4446

Charged Particle  
293 Kelvin Cross Sections

44-Ru-103



5

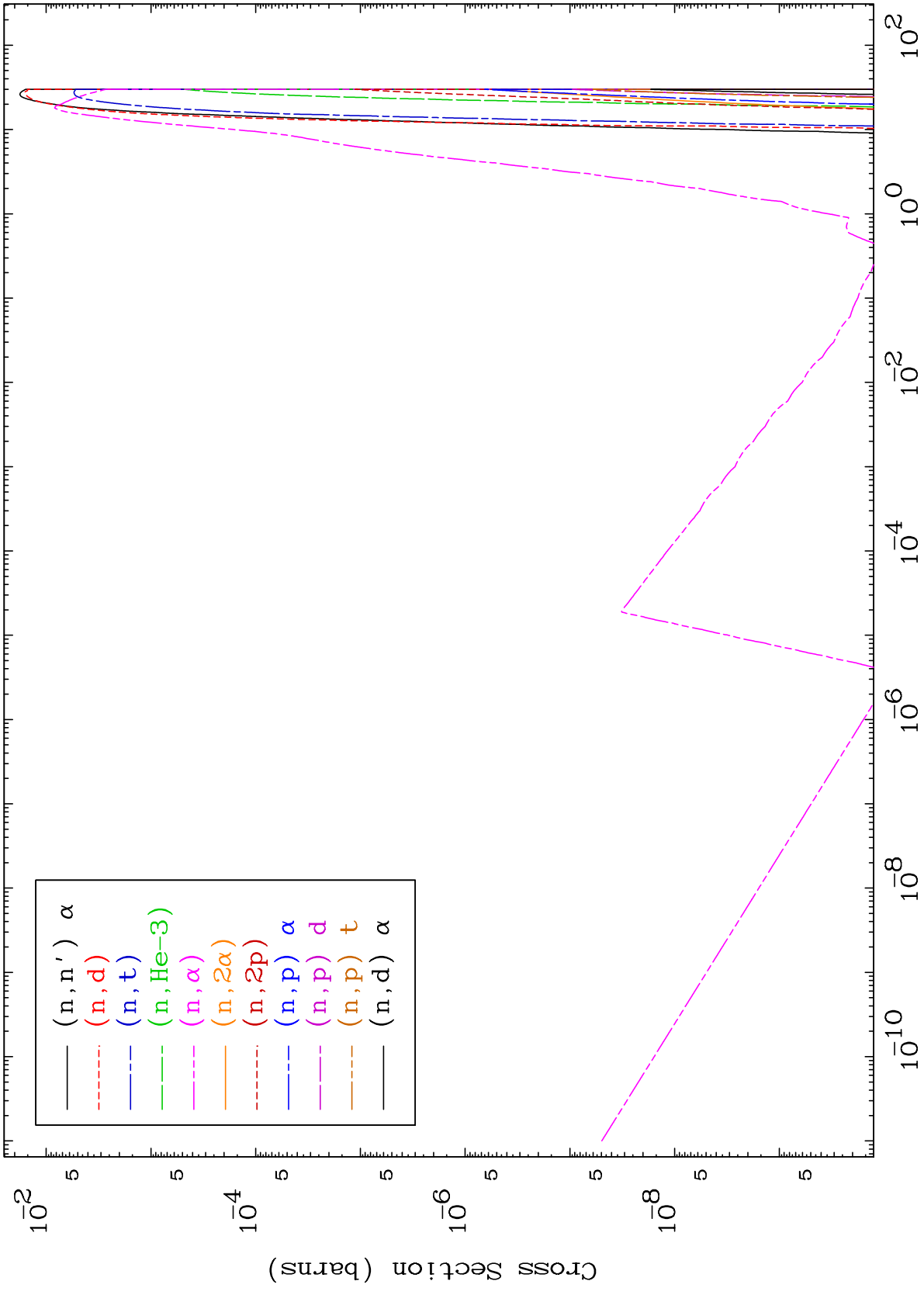
Incident Energy (MeV)

44-Ru-103

MAT 4446

Charged Particle  
293 Kelvin Cross Sections

44-Ru-103

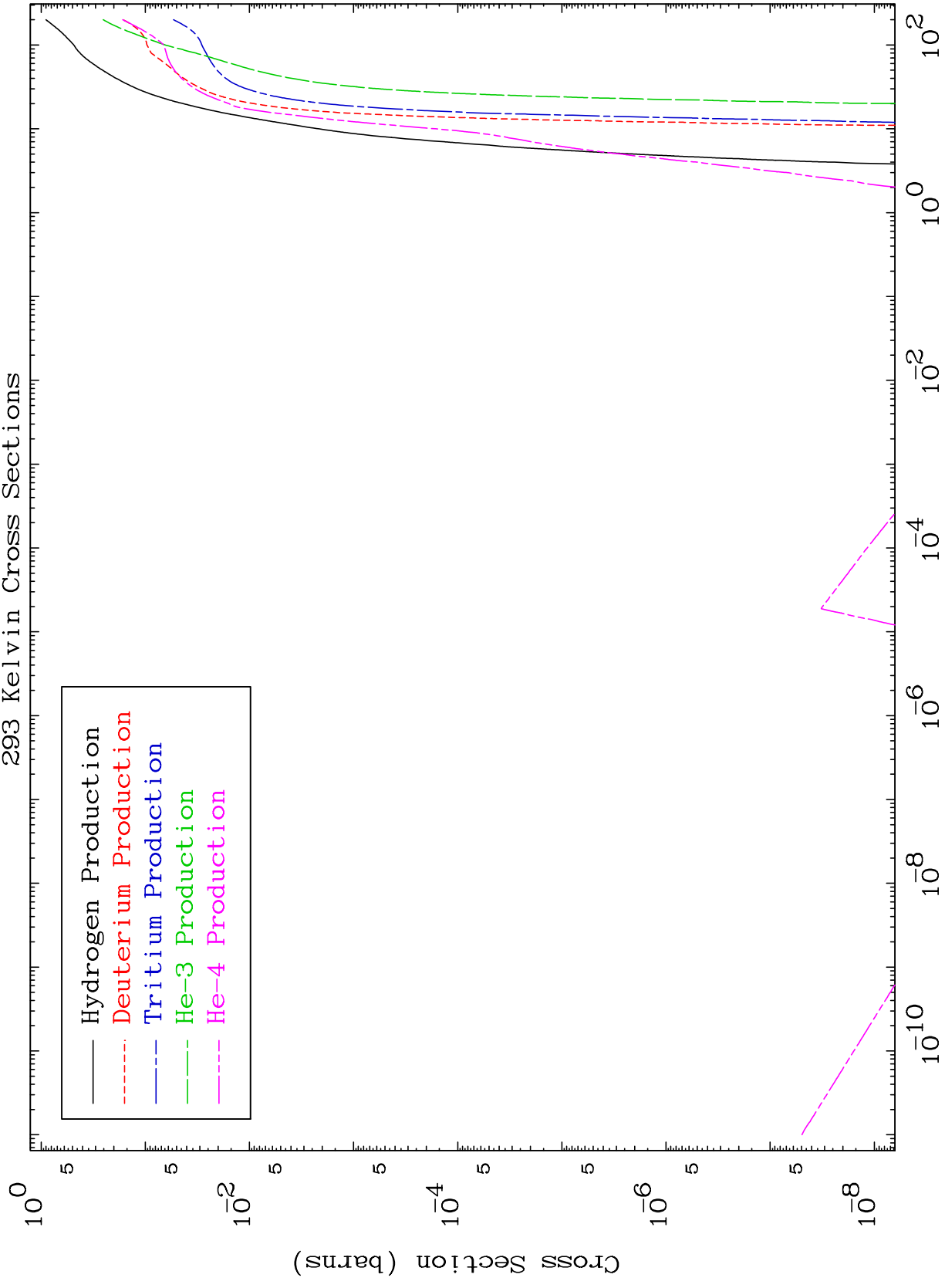


44-Ru-103

MAT 4446

Particle Production  
293 Kelvin Cross Sections

44-Ru-103



7

Incident Energy (MeV)

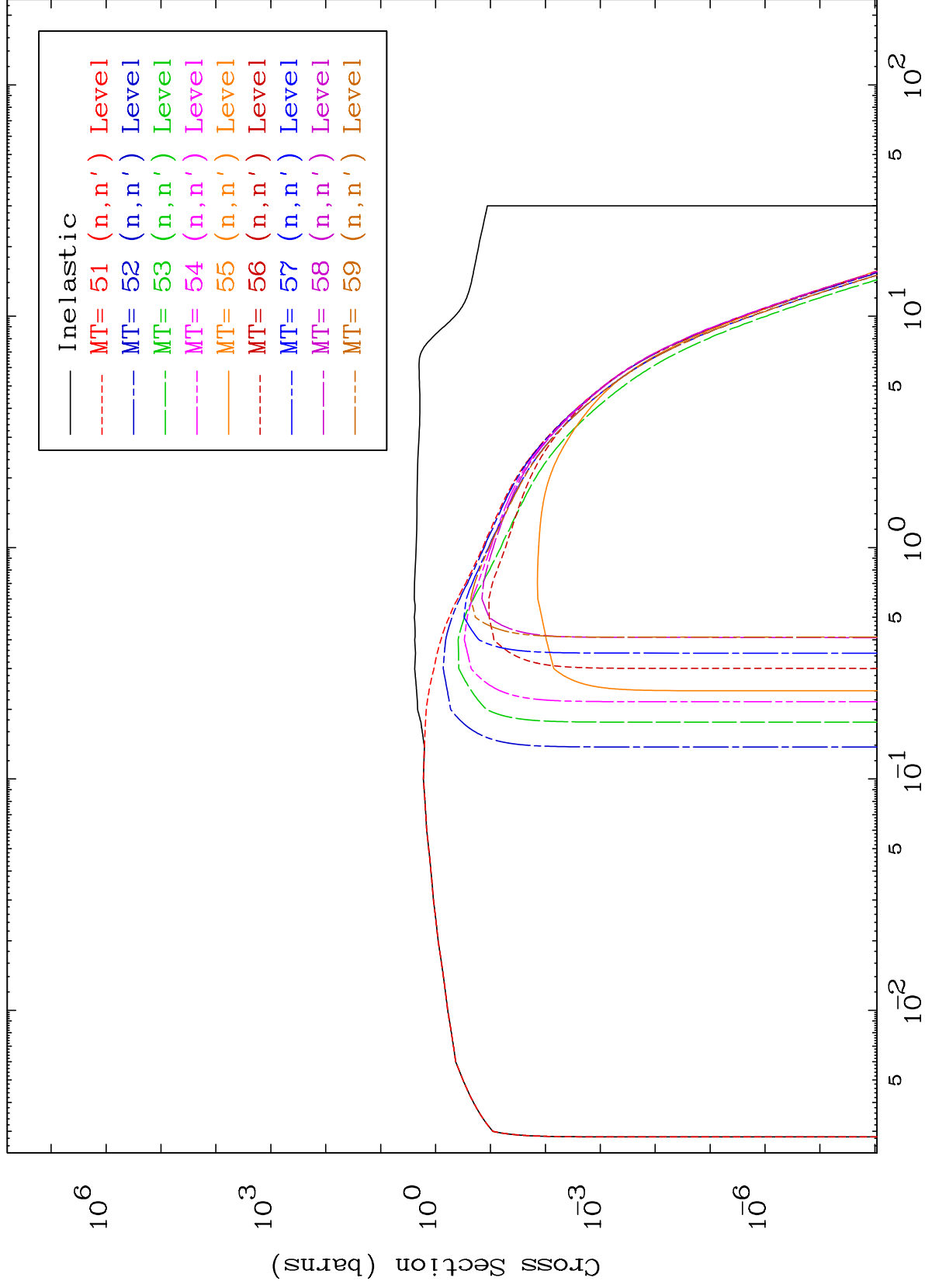
44-Ru-103

MAT 4446

(n,n') Levels

293 Kelvin Cross Sections

44-Ru-103

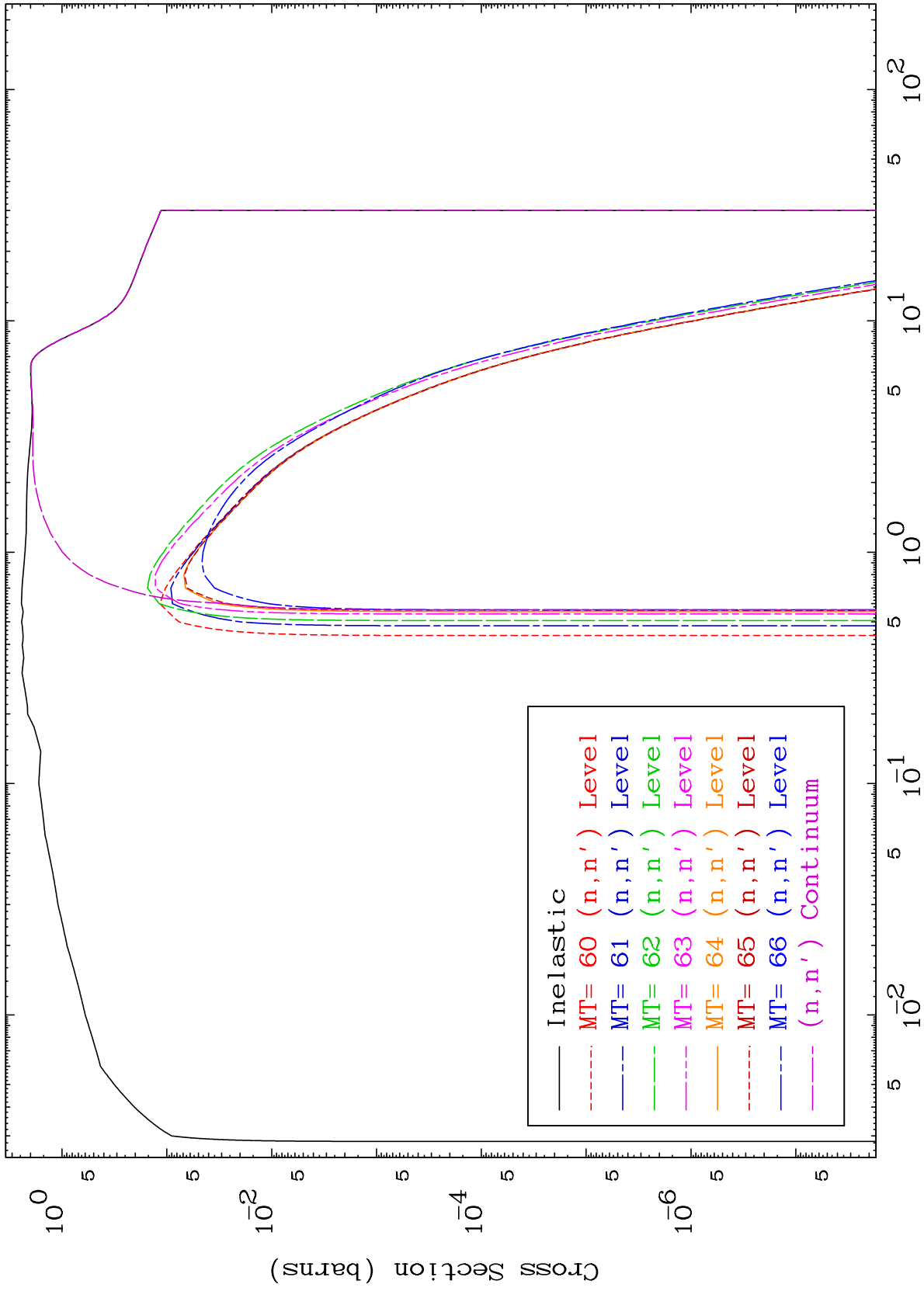


MAT 4446

(n, n') Levels

44-Ru-103

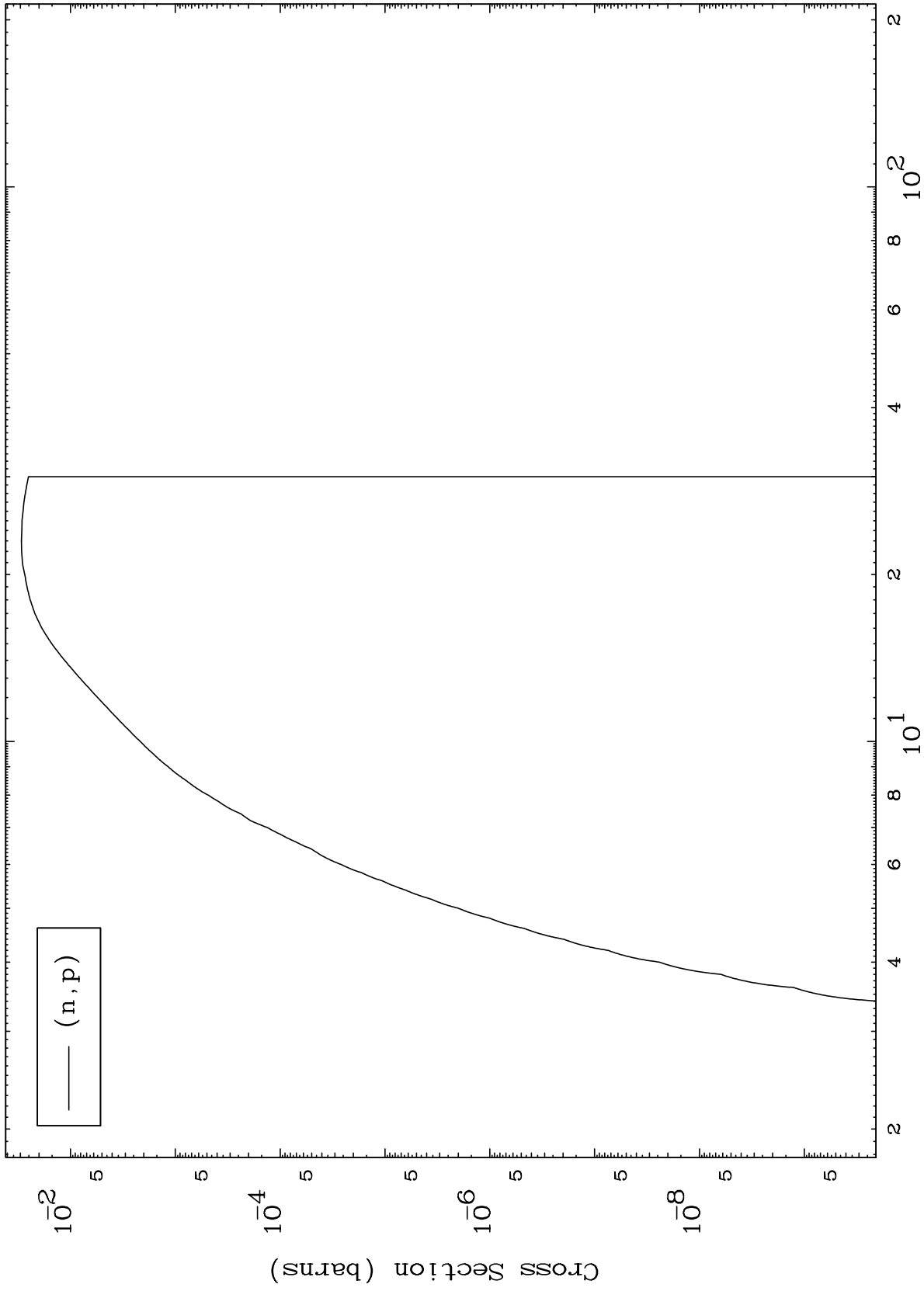
293 Kelvin Cross Sections



MAT 4446

(n,p) Levels  
293 Kelvin Cross Sections

44-Ru-103



10

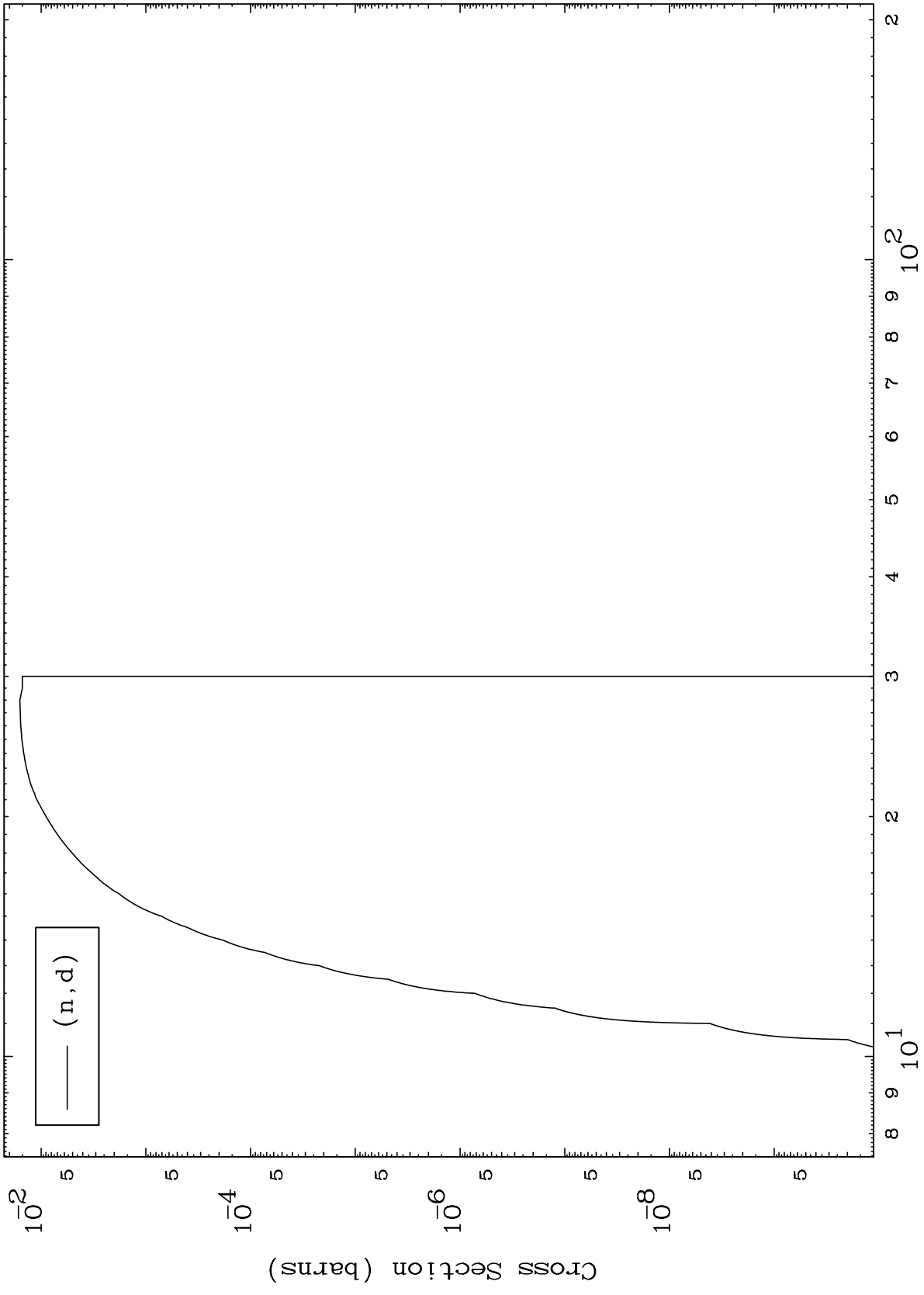
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,d) Levels  
293 Kelvin Cross Sections

44-Ru-103



11

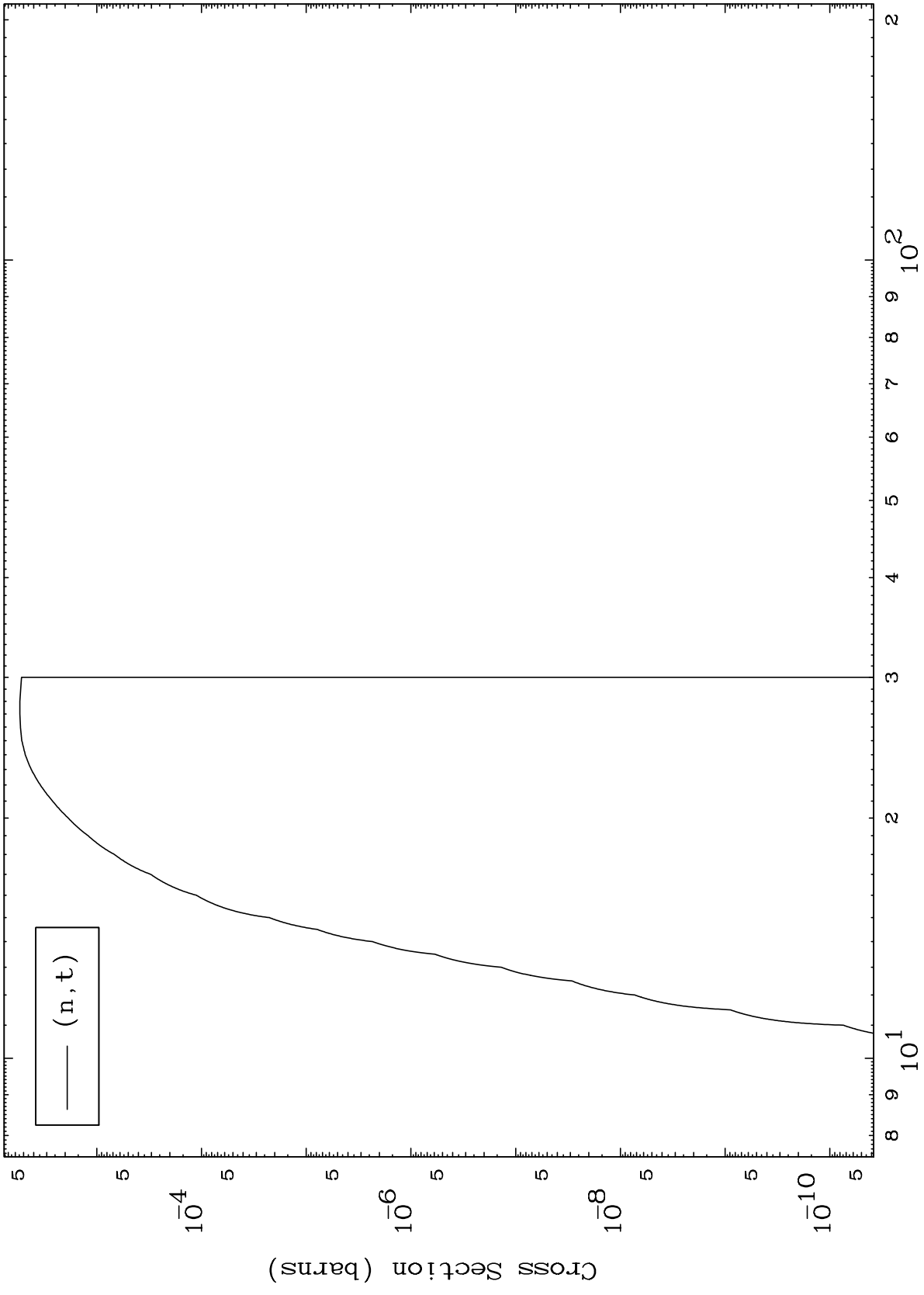
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,t) Levels  
293 Kelvin Cross Sections

44-Ru-103



12

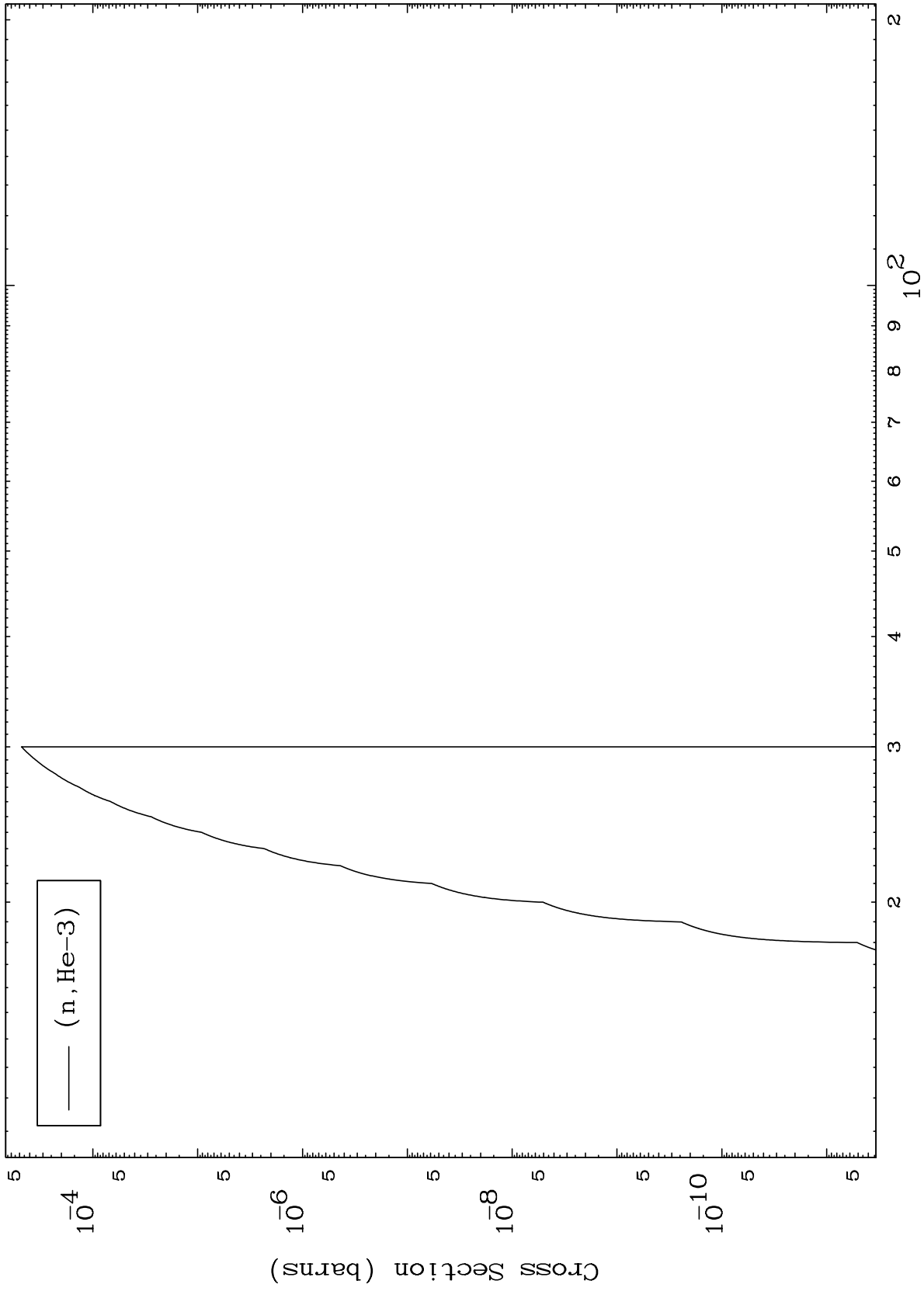
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,He3) Levels  
293 Kelvin Cross Sections

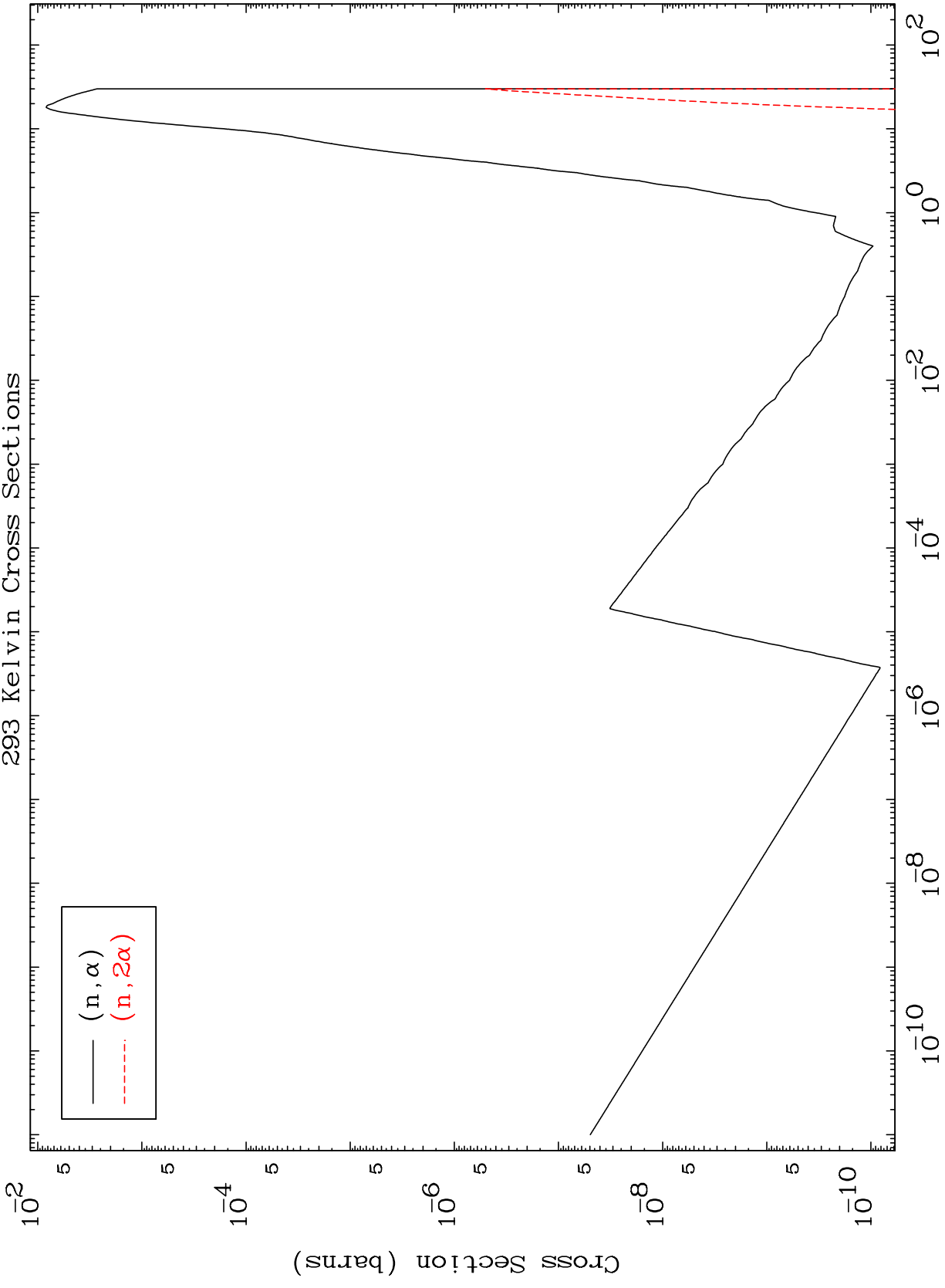
44-Ru-103



MAT 4446

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

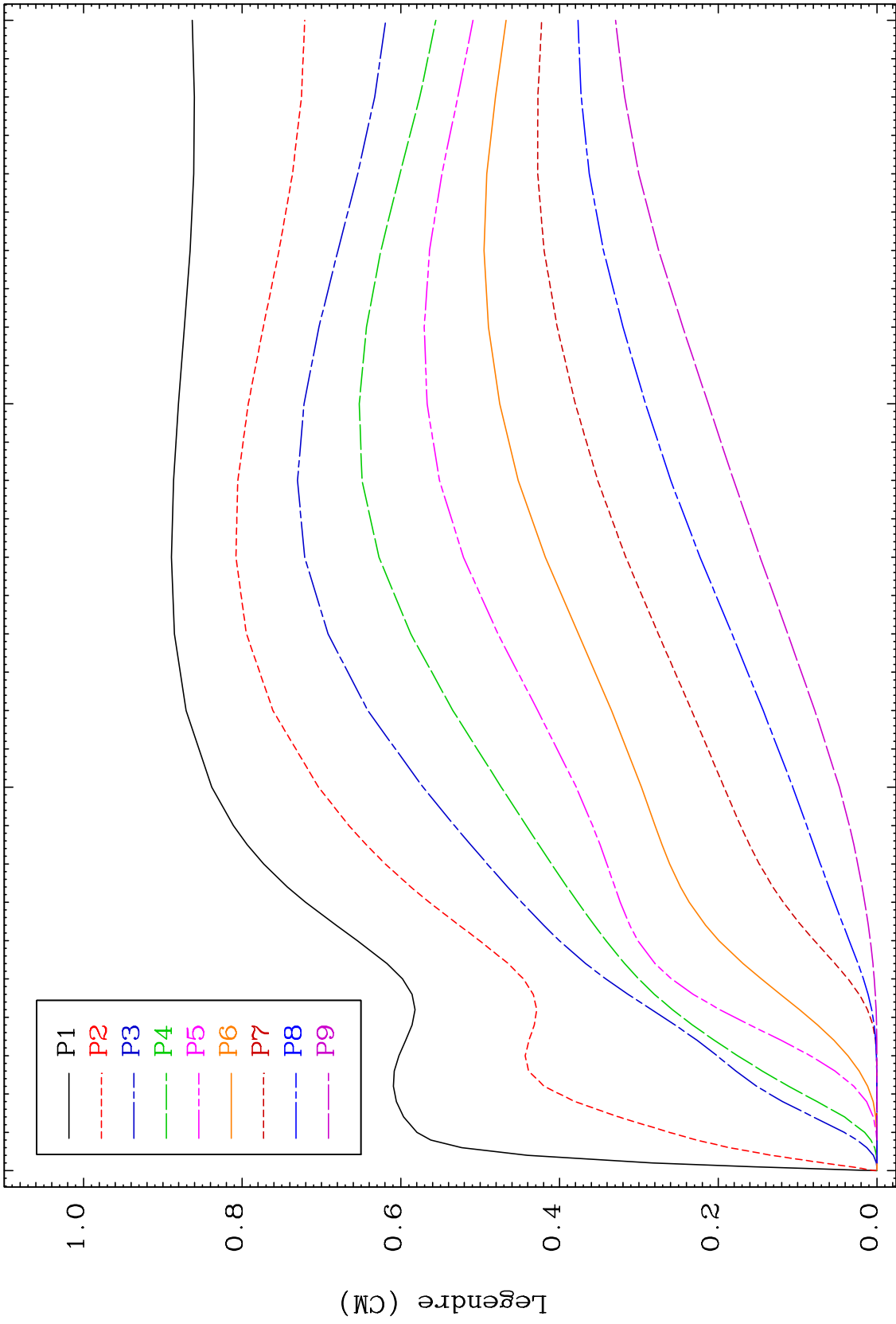
44-Ru-103



MAT 4446

Elastic Legendre Coefficients

44-Ru-103



15

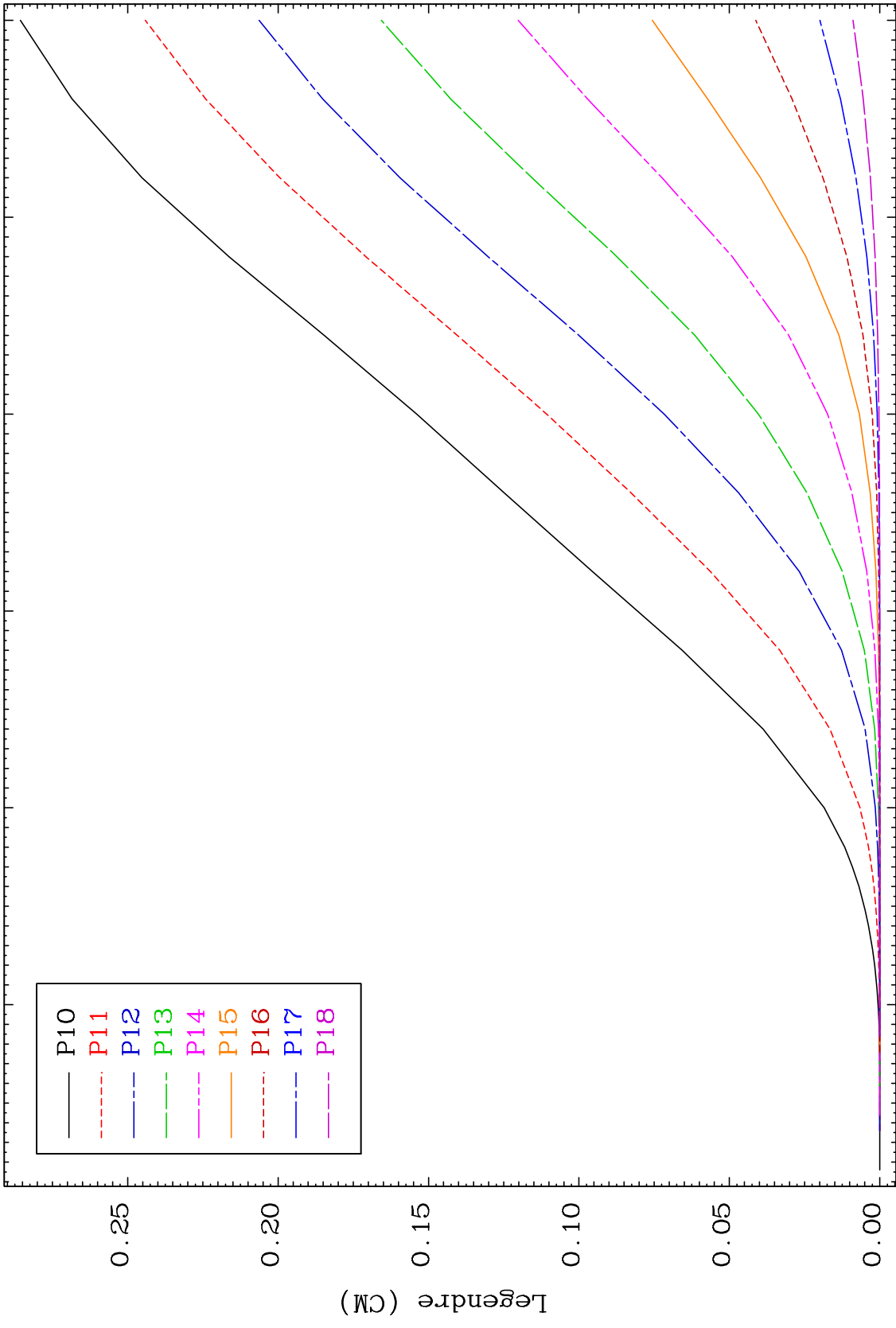
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103



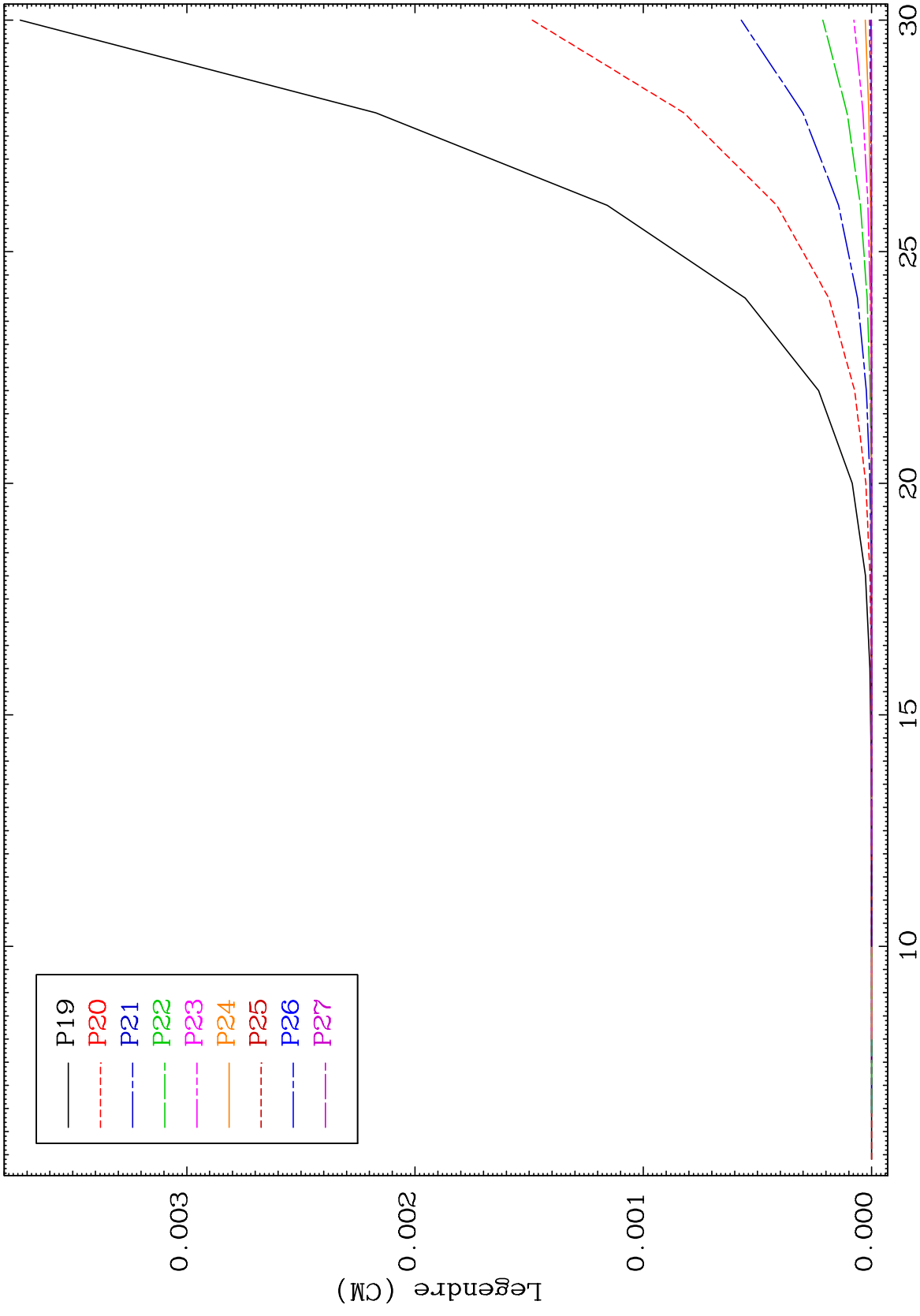
16

44-Ru-103

MAT 4446

### Elastic Legendre Coefficients

44-Ru-103



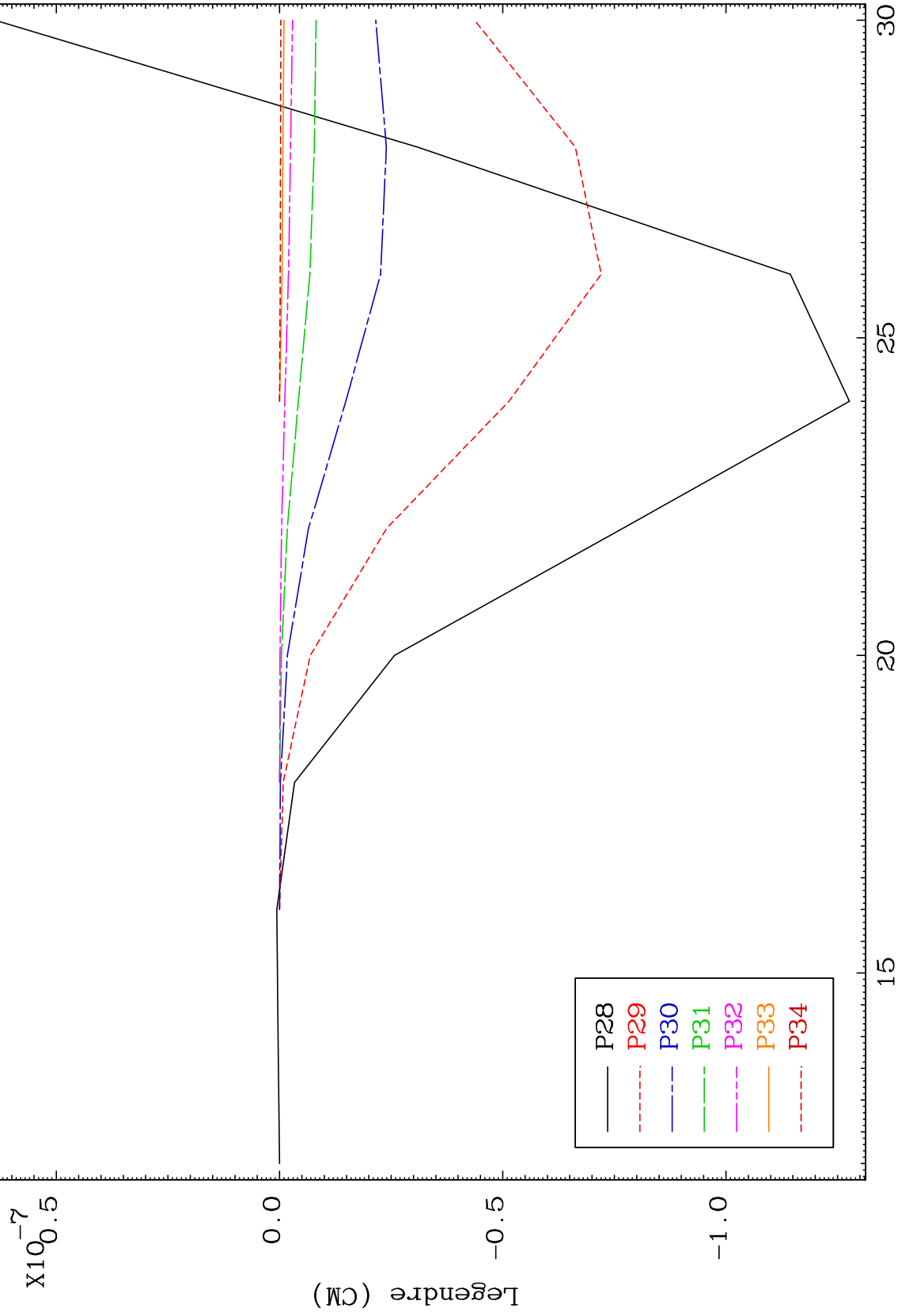
17

44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103



18

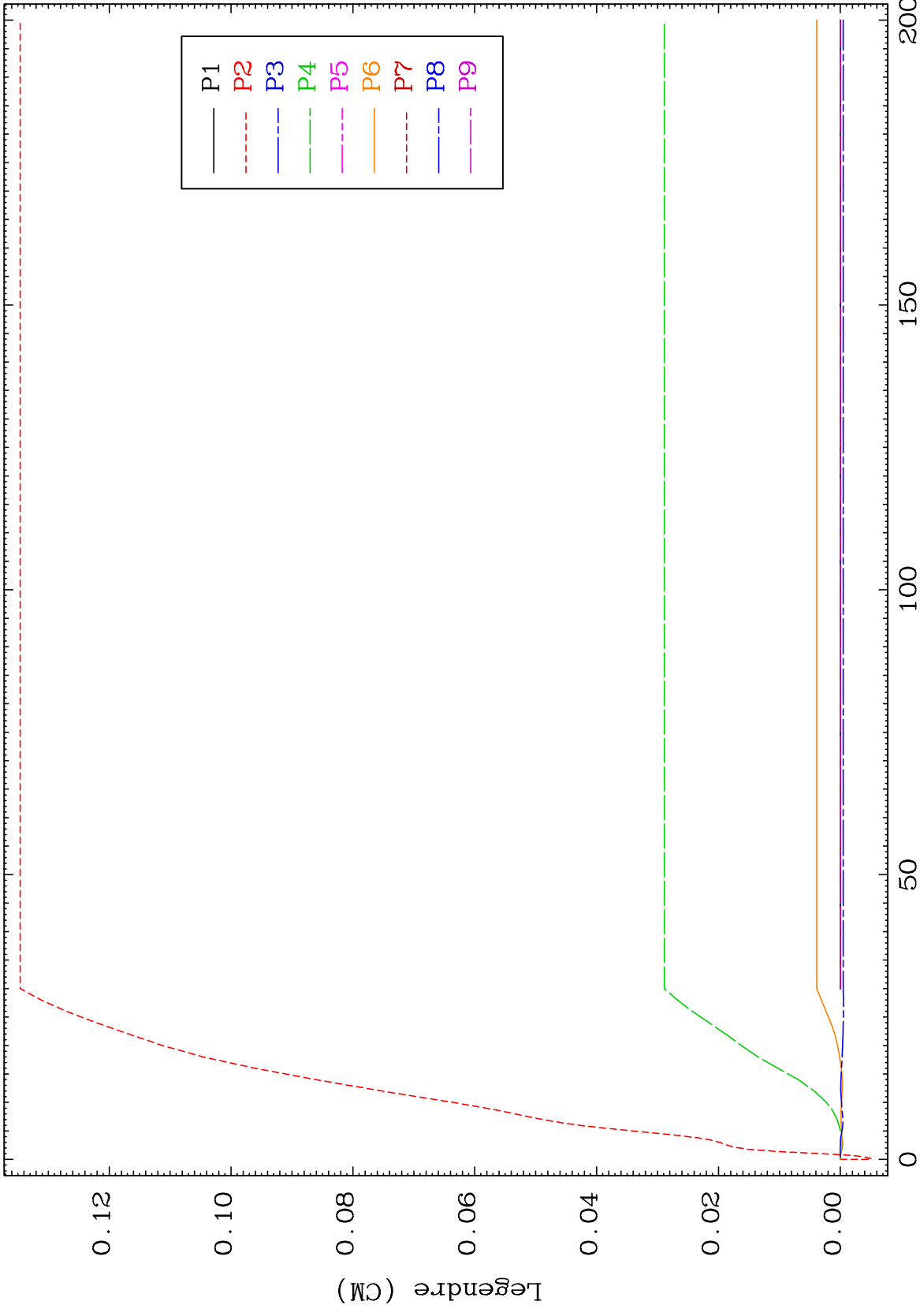
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



19

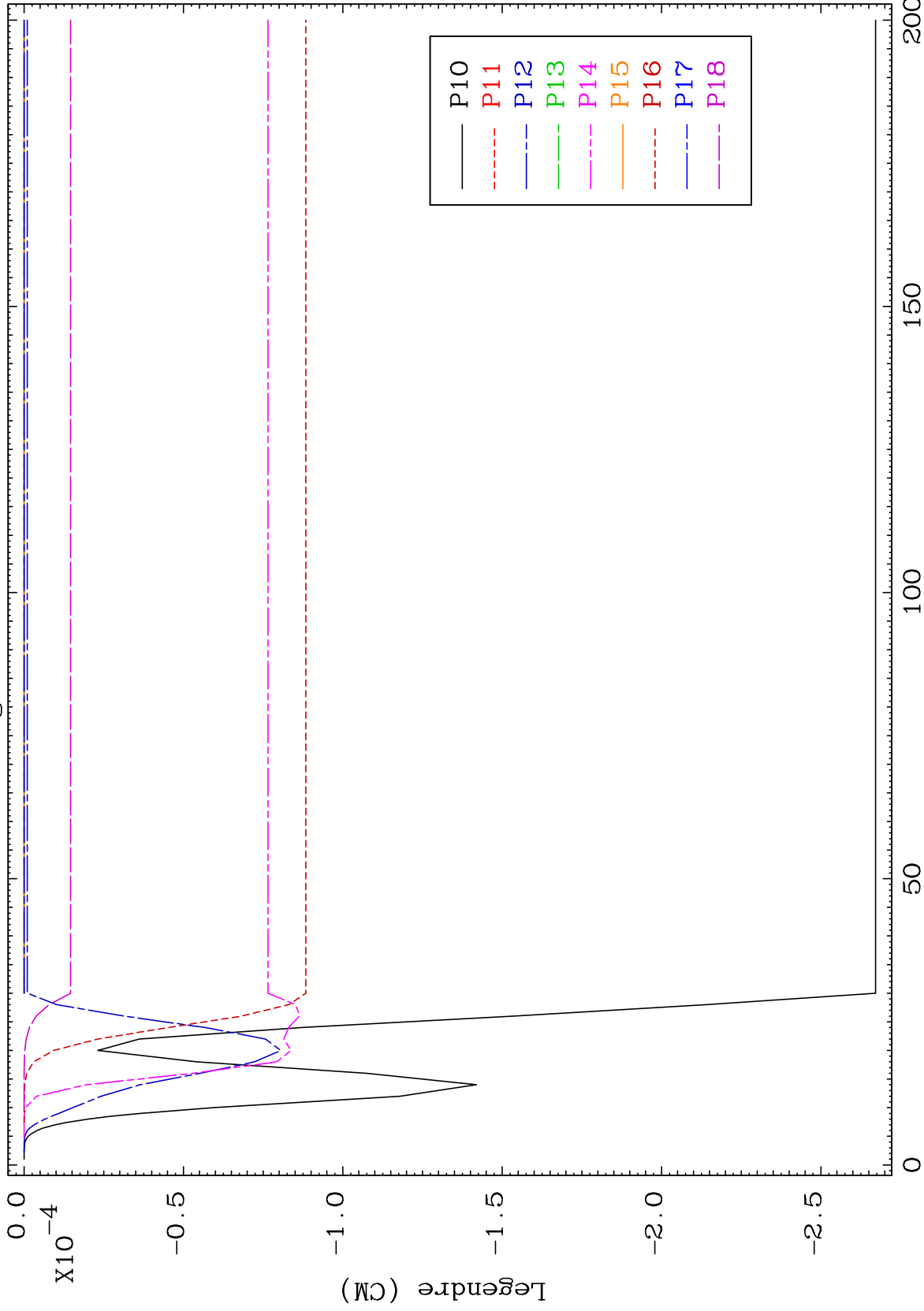
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



20

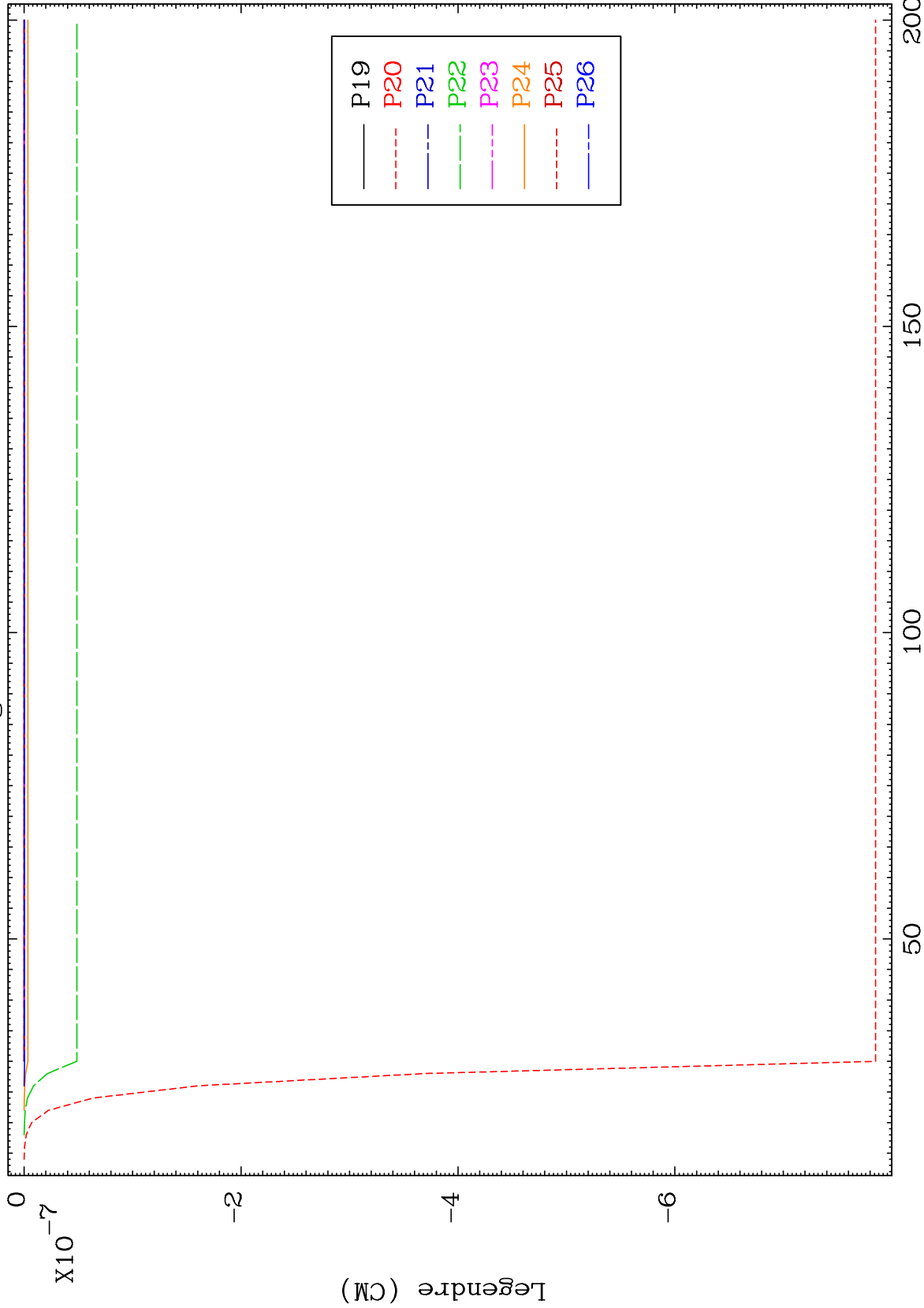
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



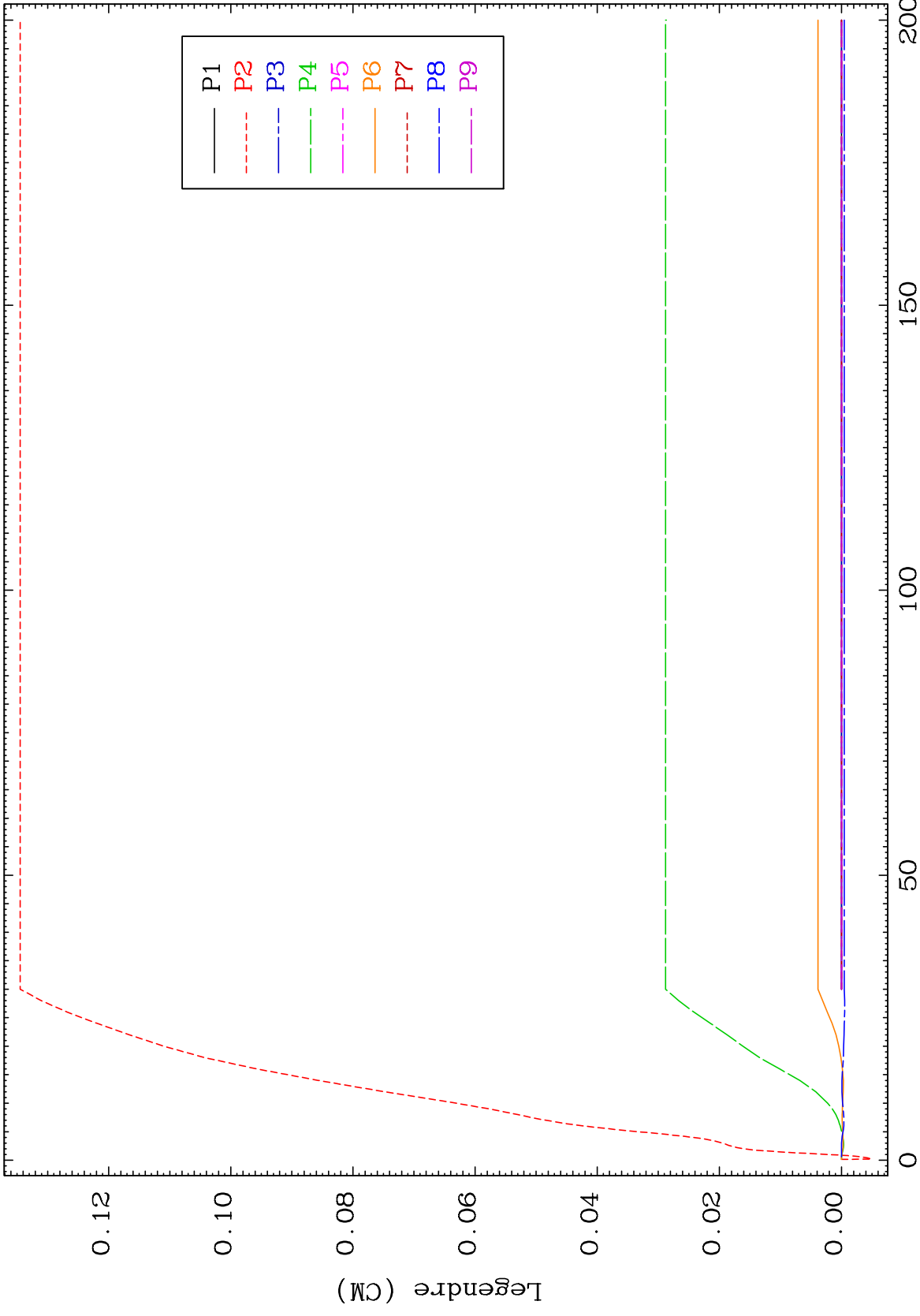
21

44-Ru-103

MAT 4446

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

44-Ru-103



22

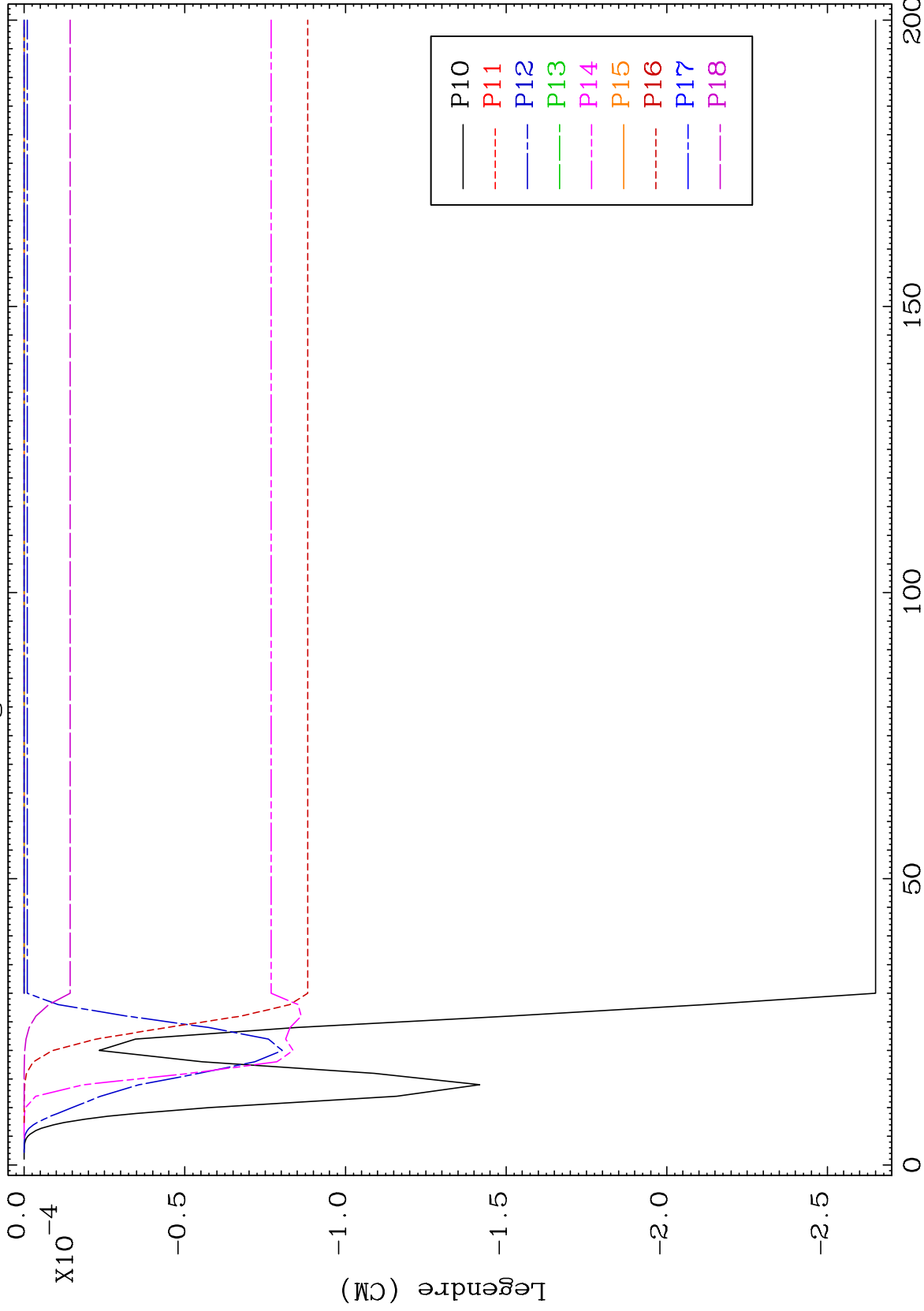
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



23

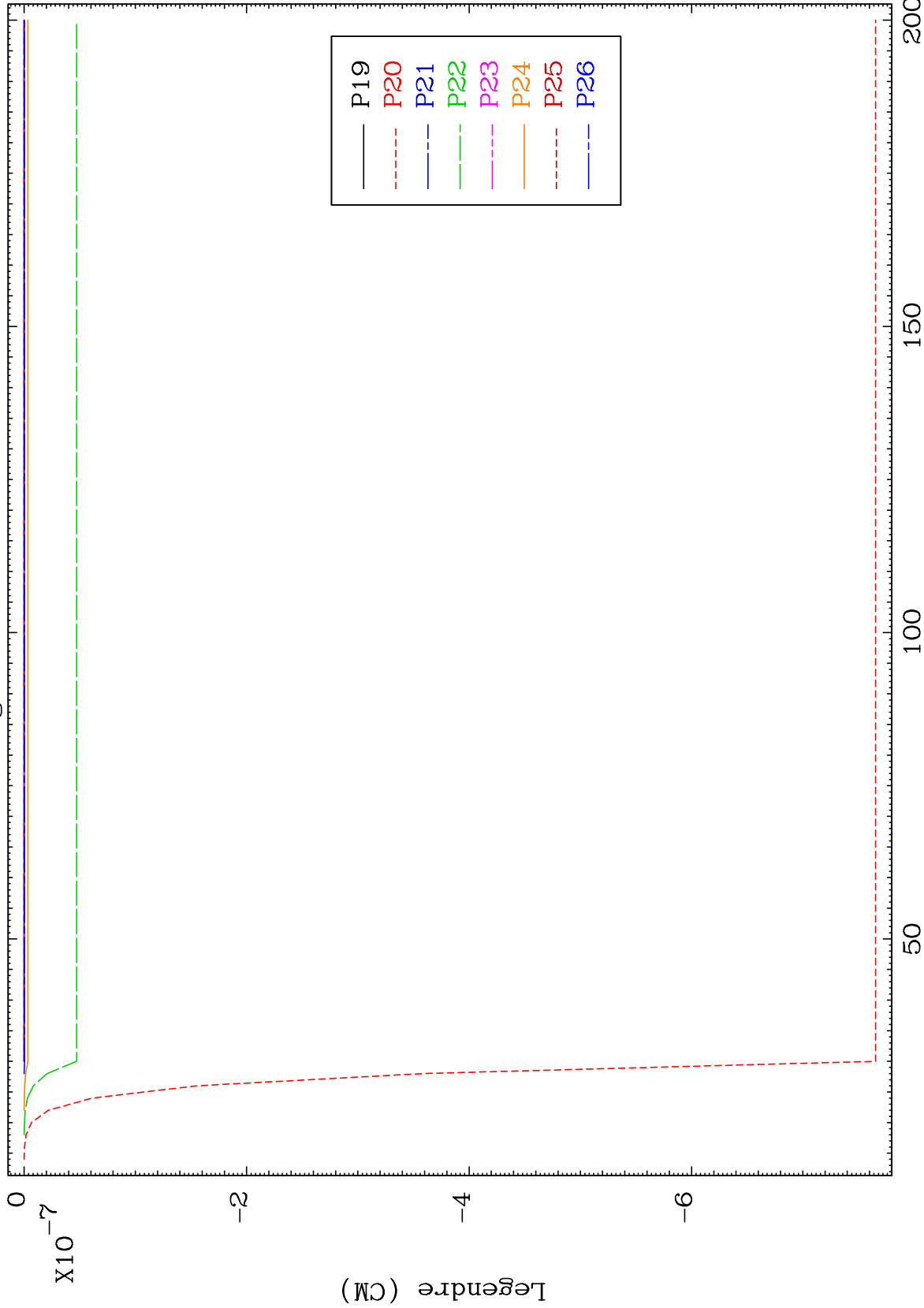
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



24

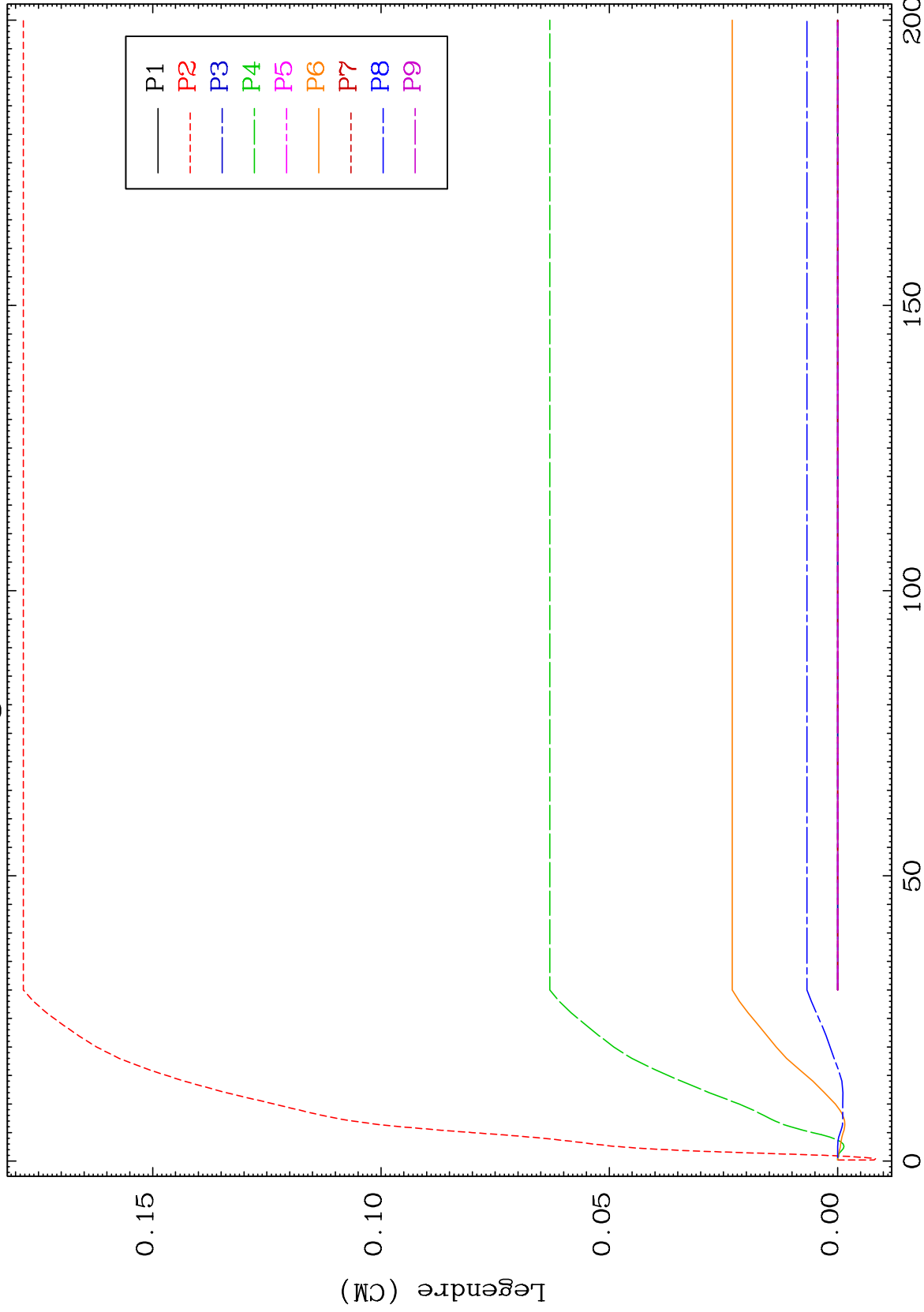
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



25

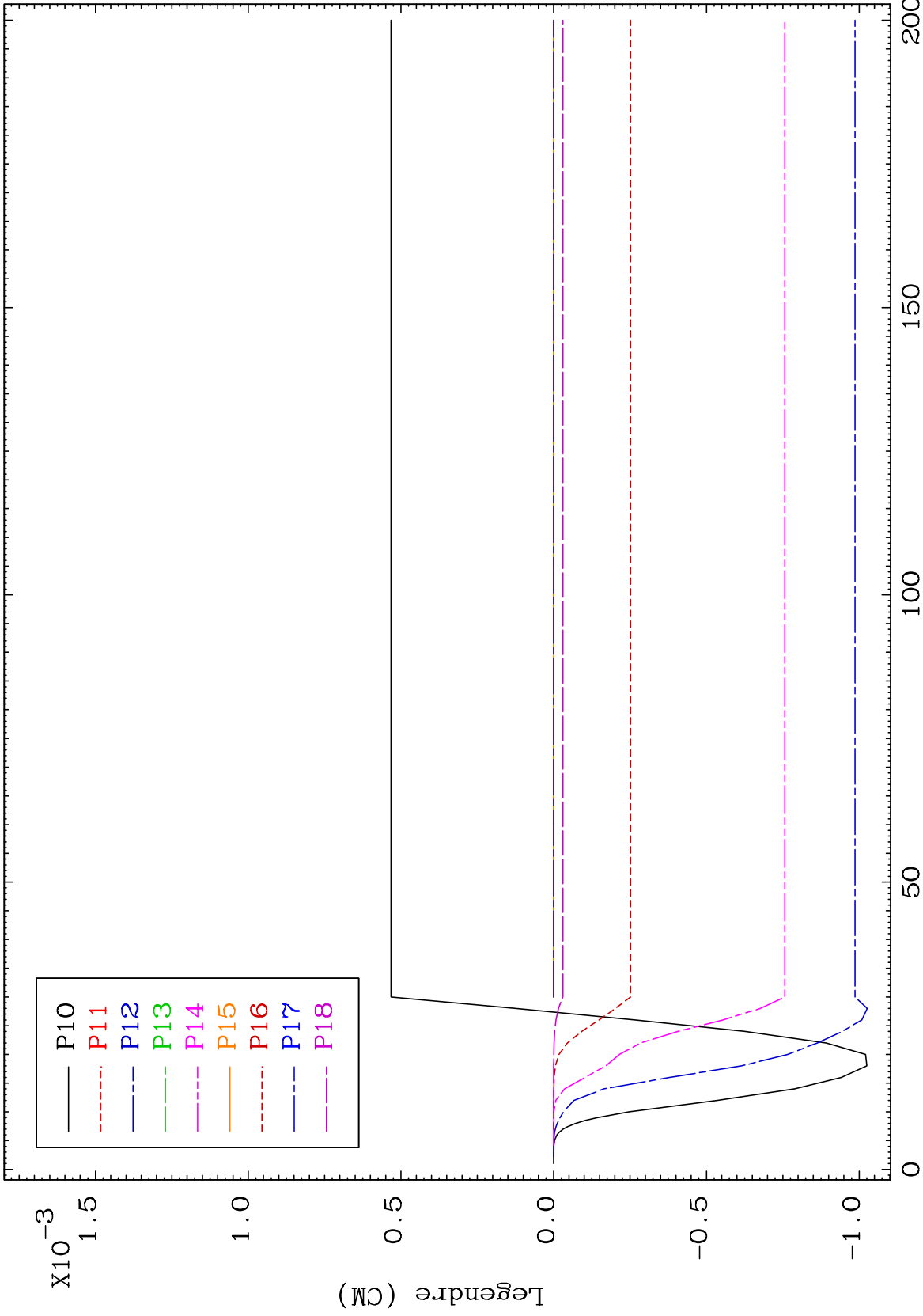
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

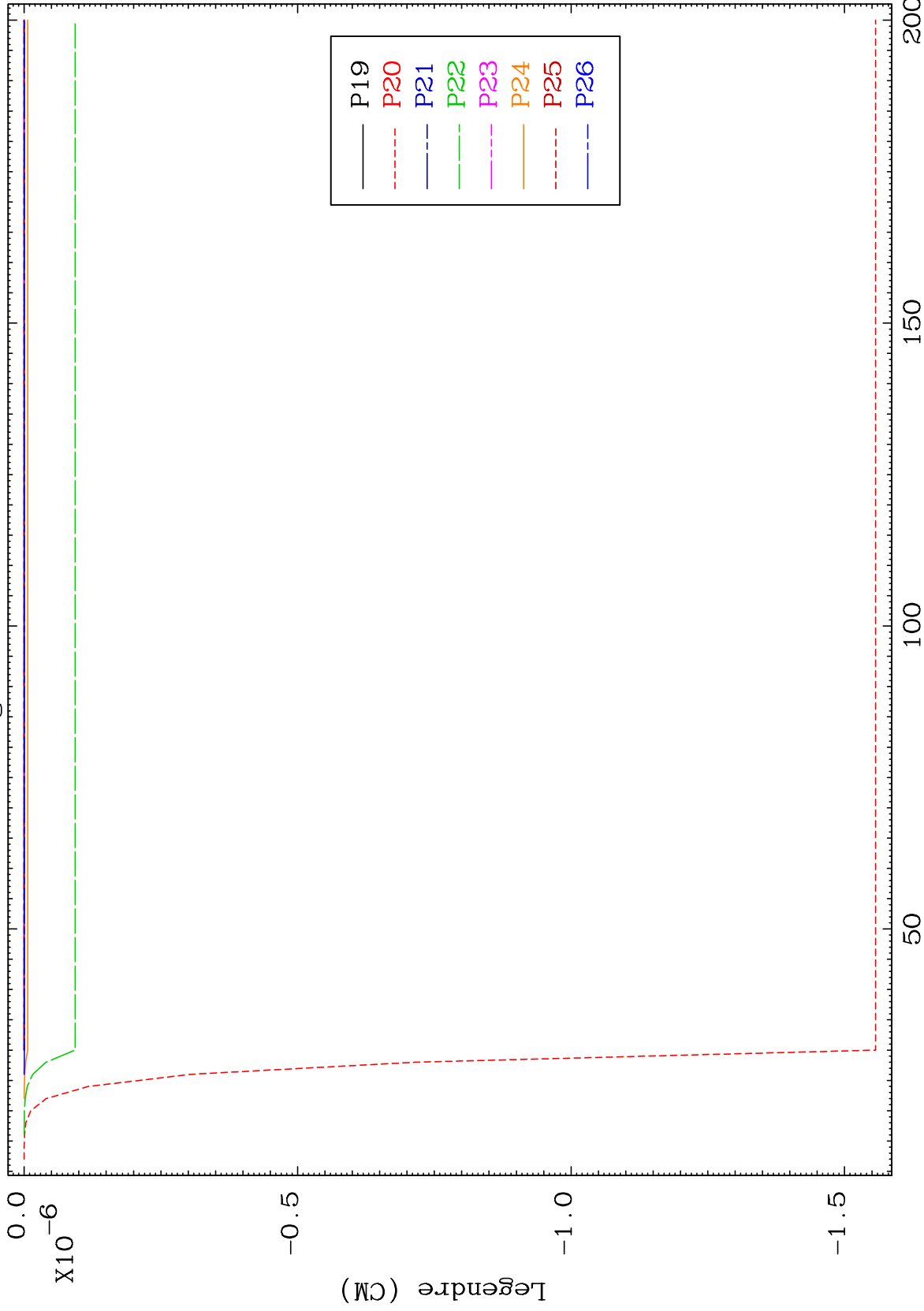
44-Ru-103



26

44-Ru-103

MAT 4446 MT= 53 (n,n') Level Legendre Coefficients 44-Ru-103

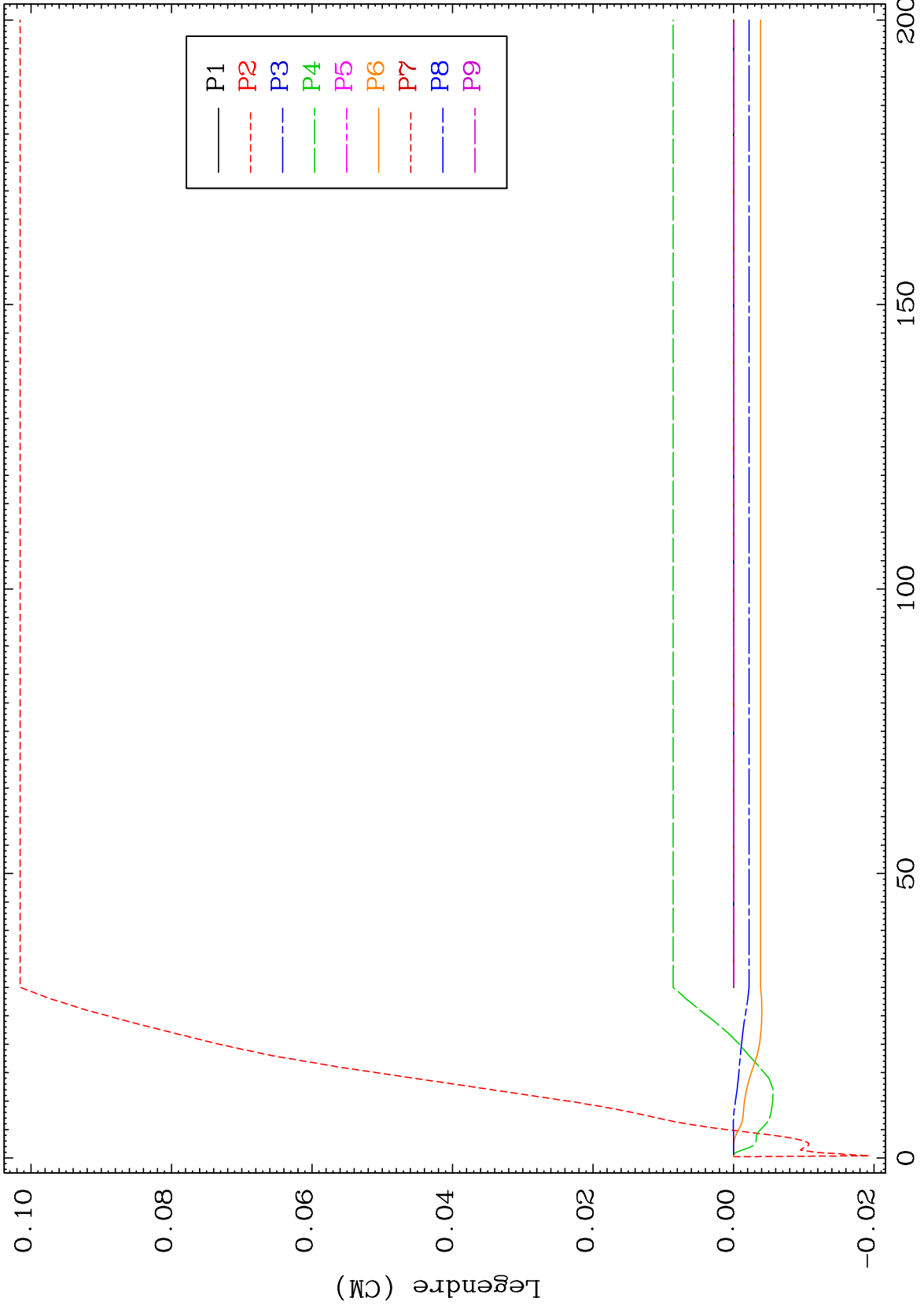


27 Incident Energy (MeV) 44-Ru-103

MAT 4446

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

44-Ru-103

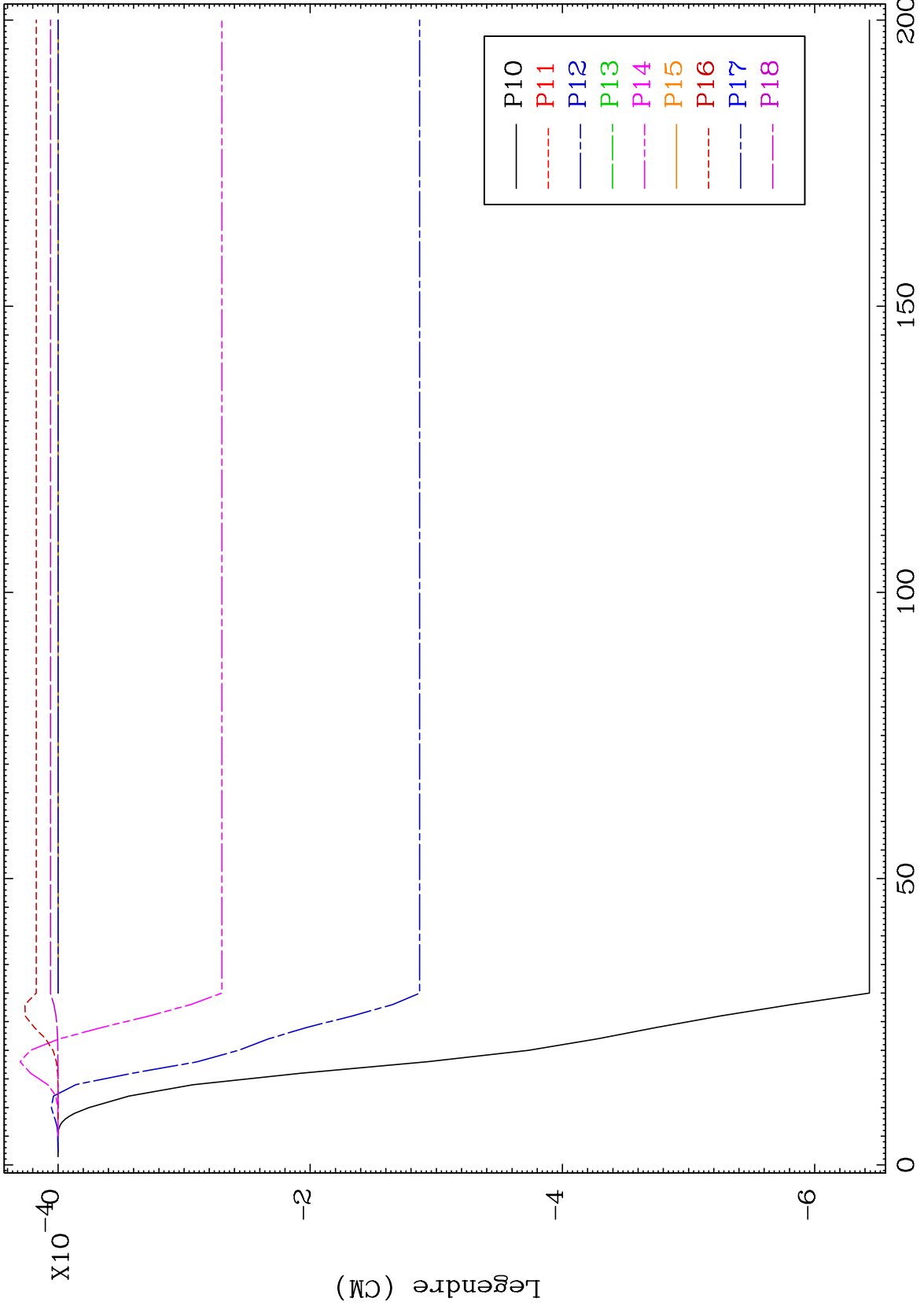


28

Incident Energy (MeV)

44-Ru-103

MAT 4446 MT= 54 (n,n') Level Legendre Coefficients 44-Ru-103

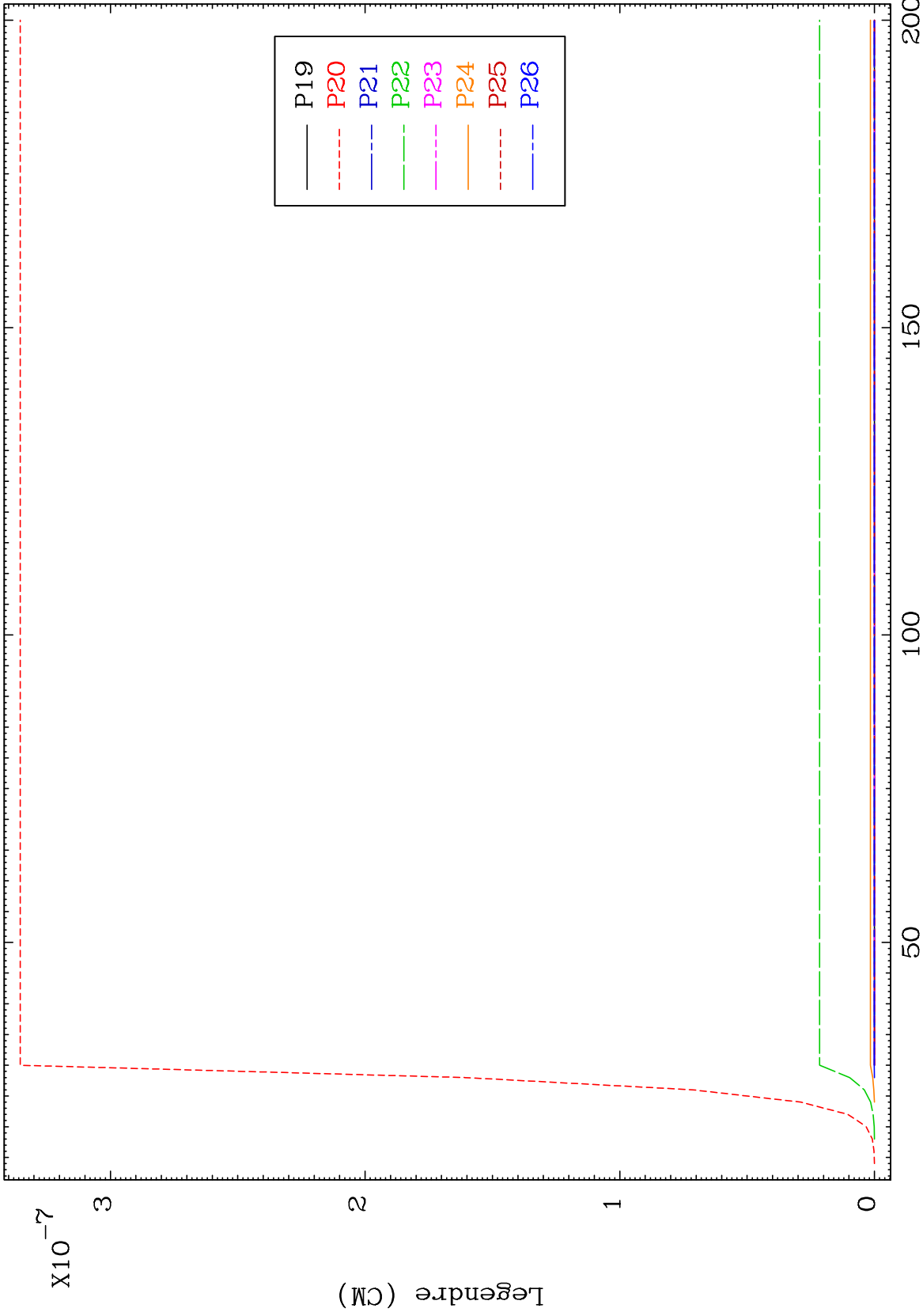


29 44-Ru-103

MAT 4446

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

44-Ru-103



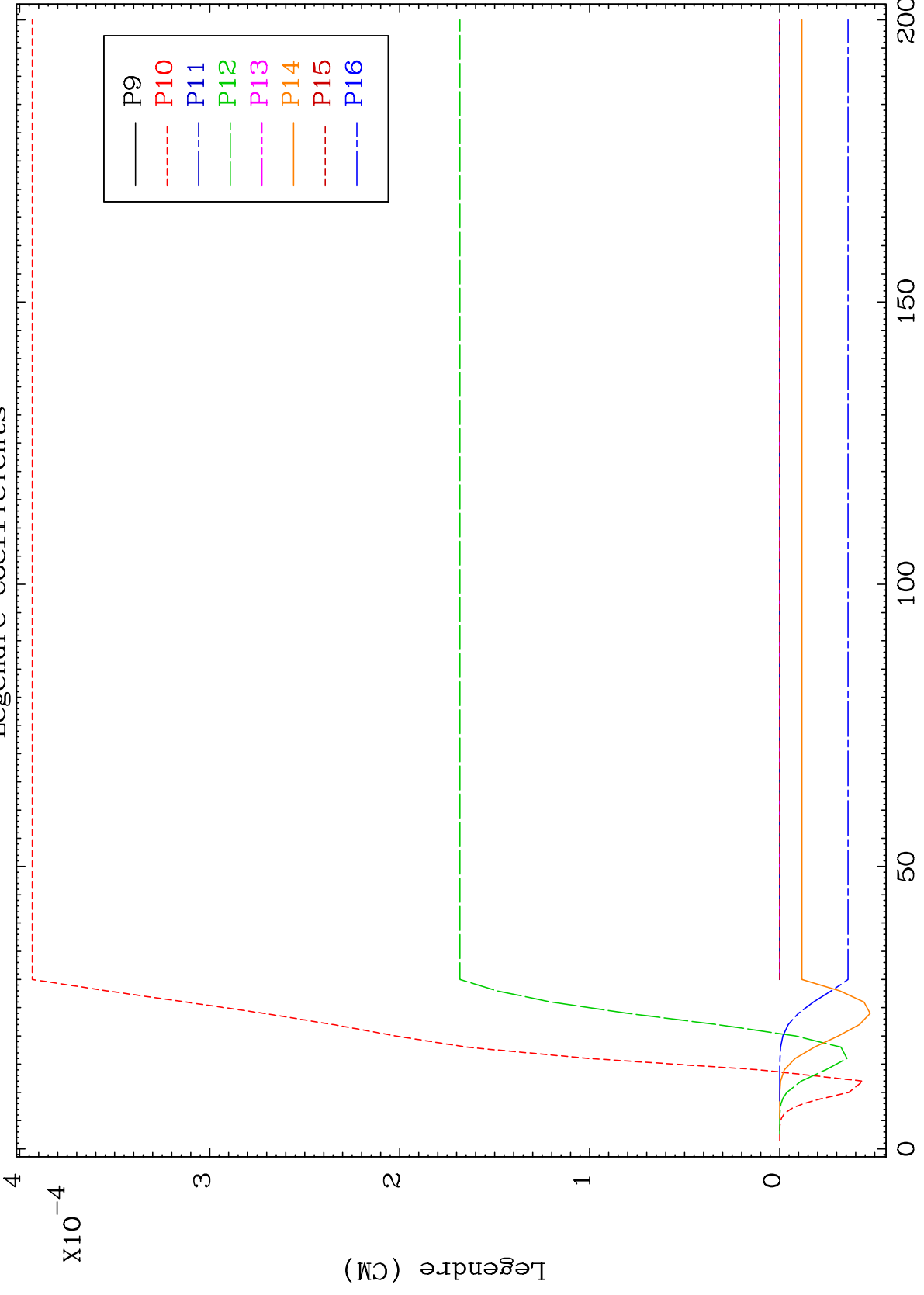
30

Incident Energy (MeV)

44-Ru-103



MAT 4446 MT= 55 (n,n') Level Legendre Coefficients 44-Ru-103

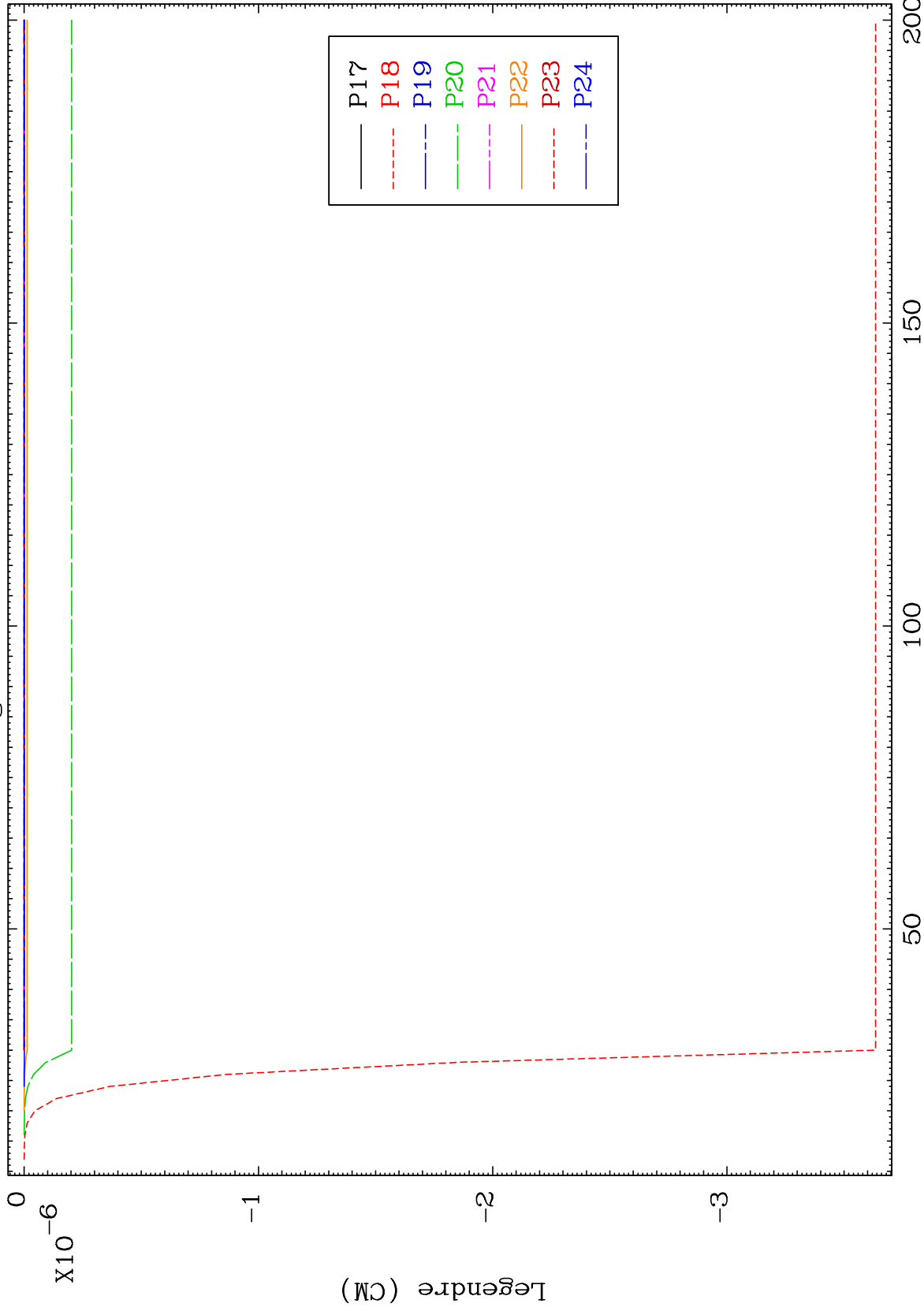


32 44-Ru-103

MAT 4446

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

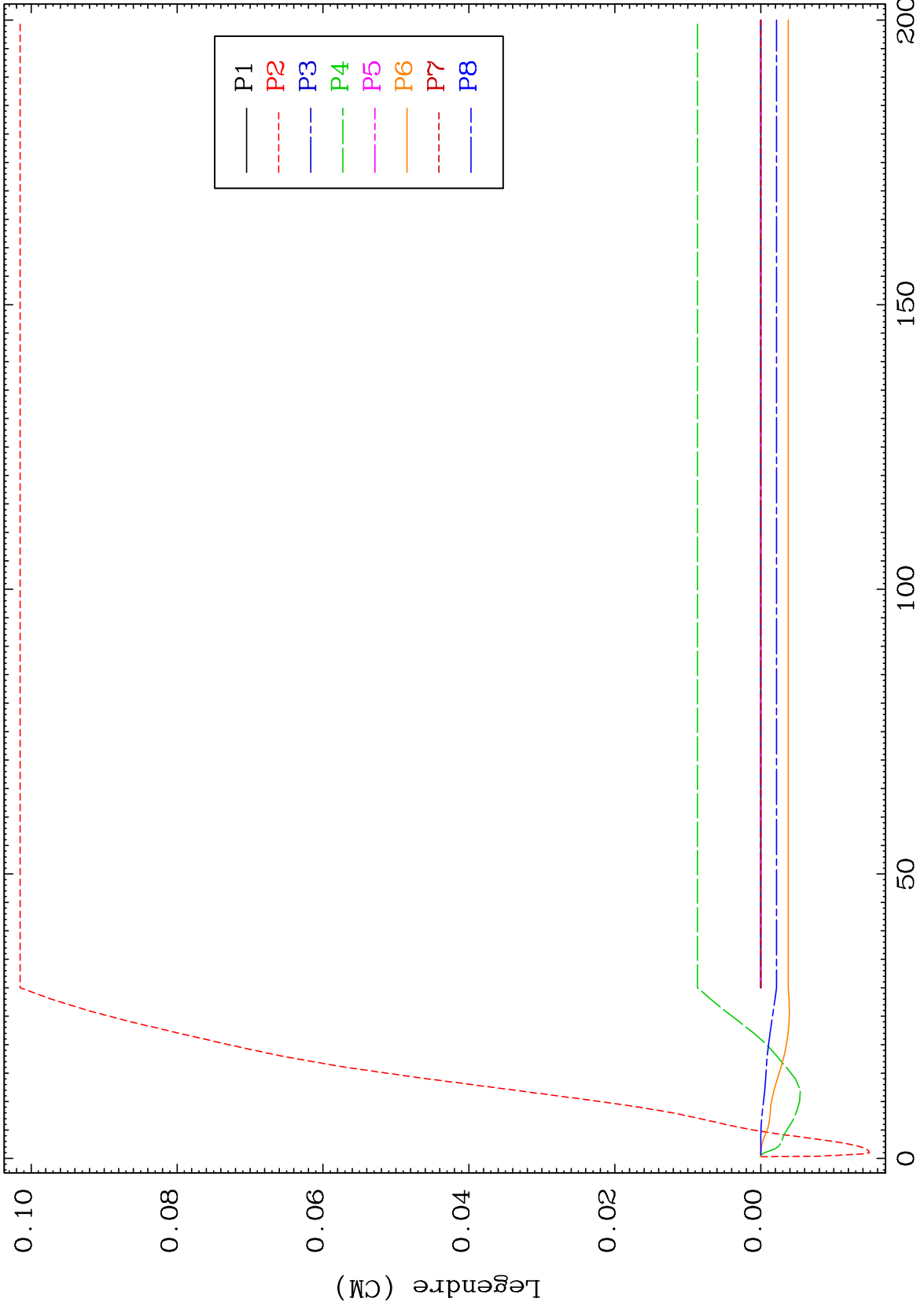
44-Ru-103



33

44-Ru-103

MAT 4446 MT= 56 (n,n') Level Legendre Coefficients 44-Ru-103

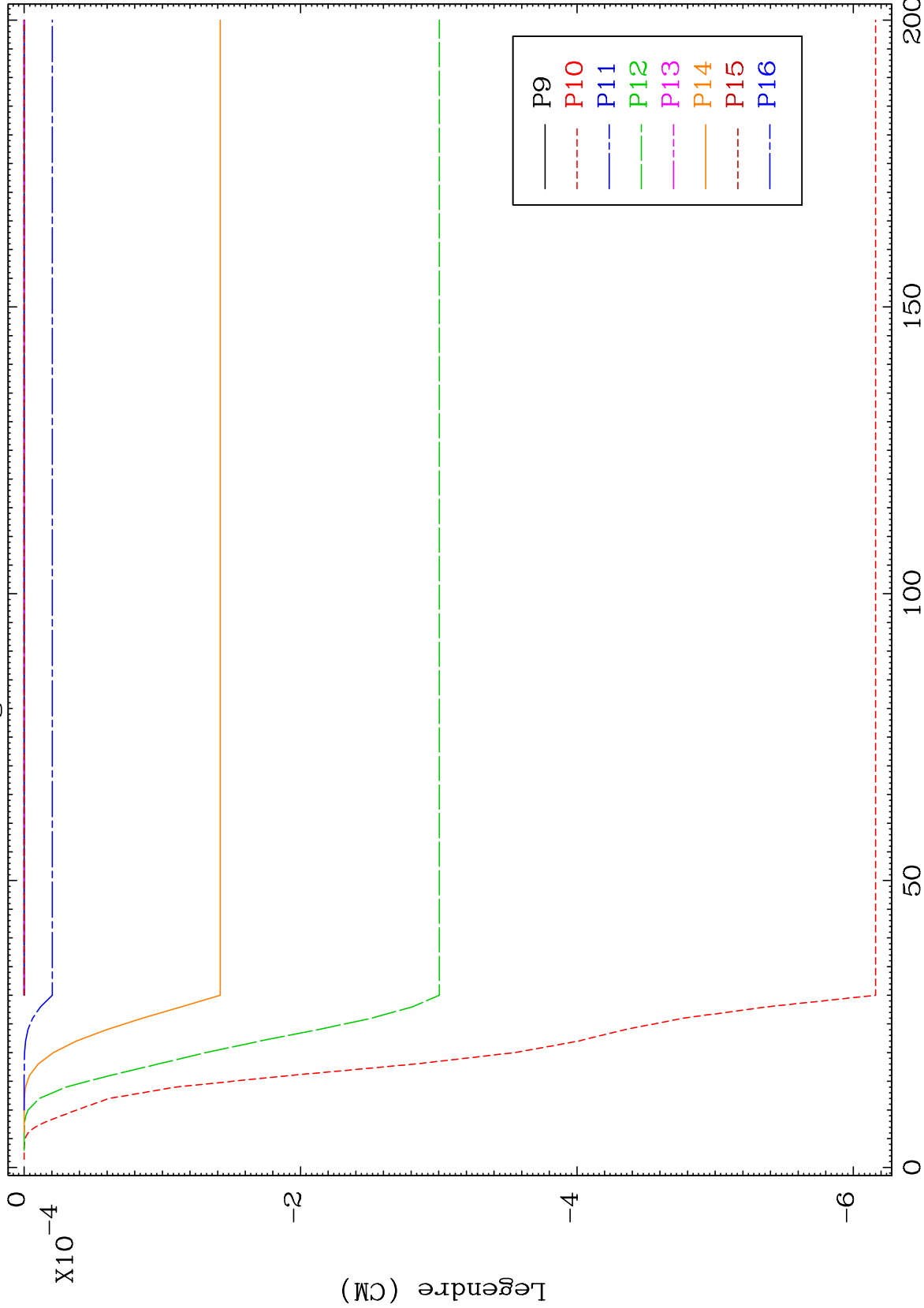


34 44-Ru-103

MAT 4446

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

44-Ru-103



35

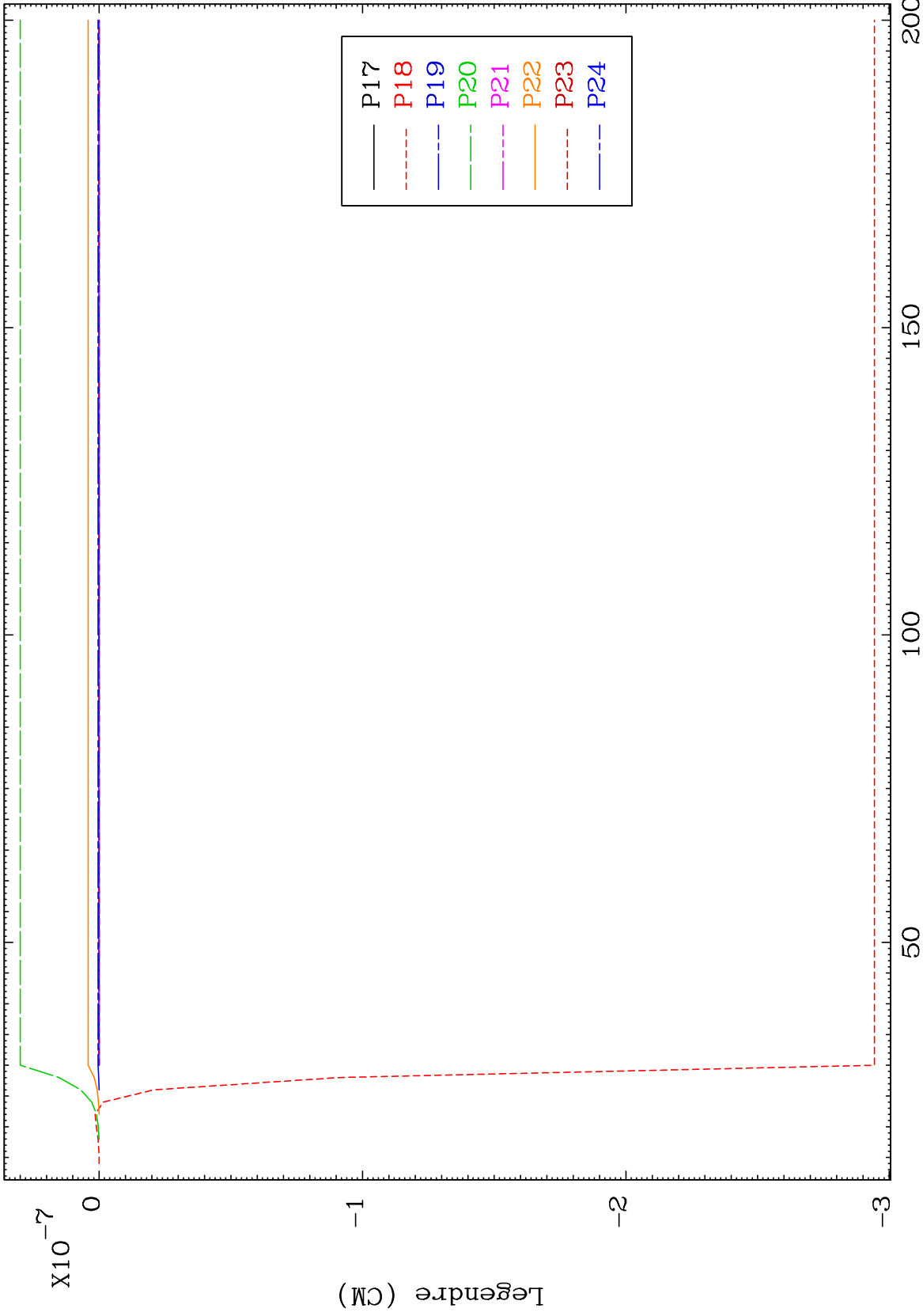
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



36

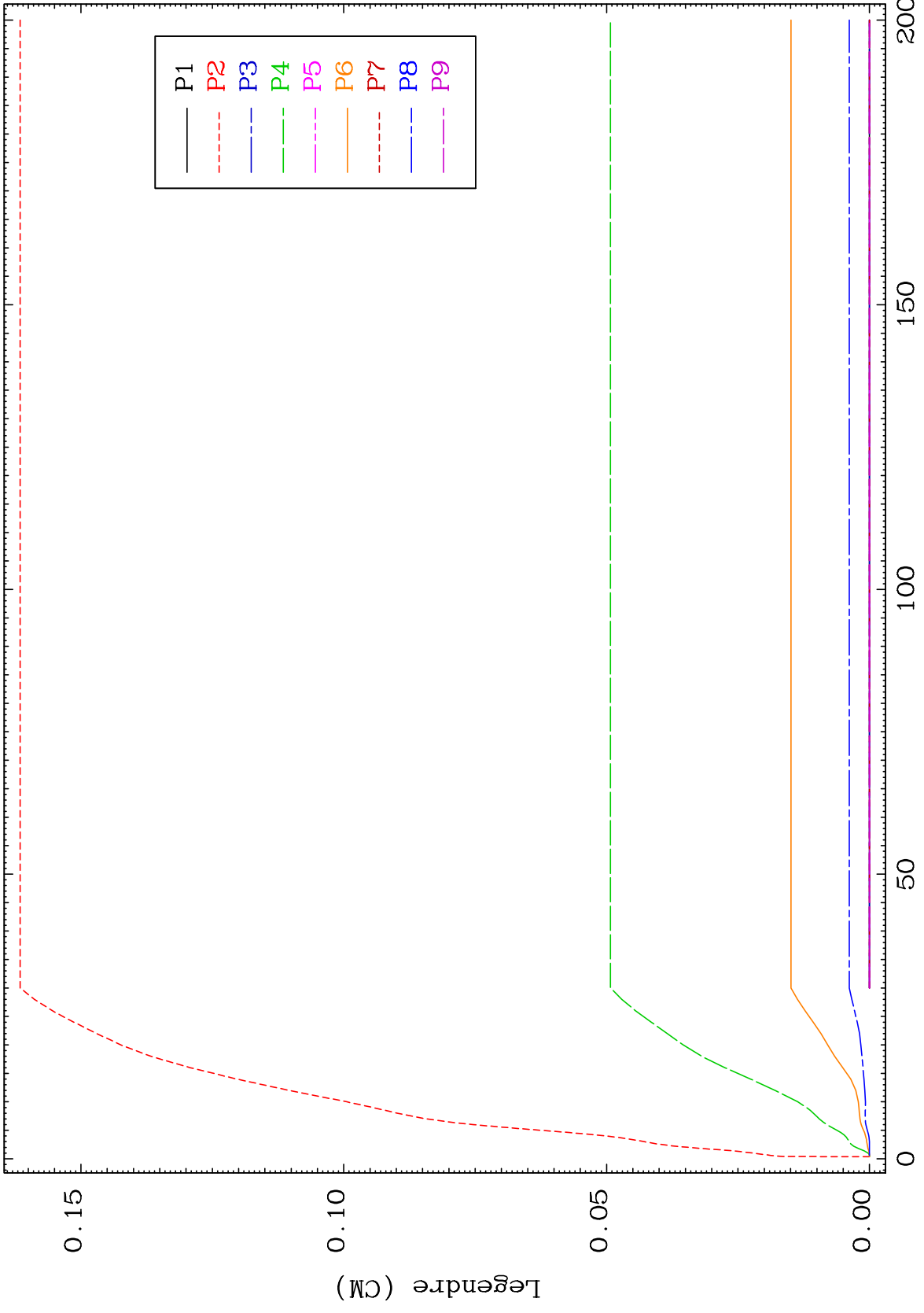
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



37

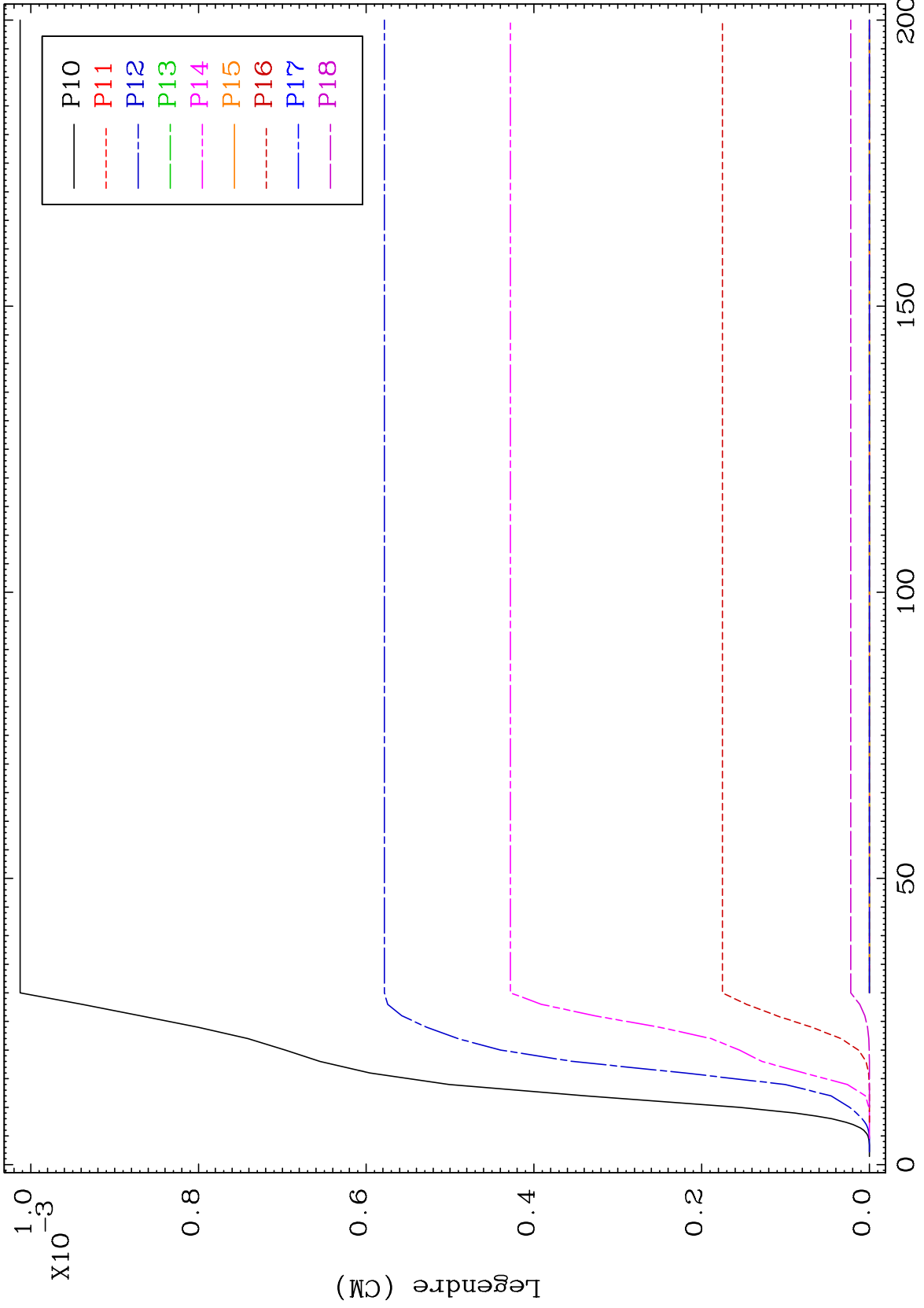
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



38

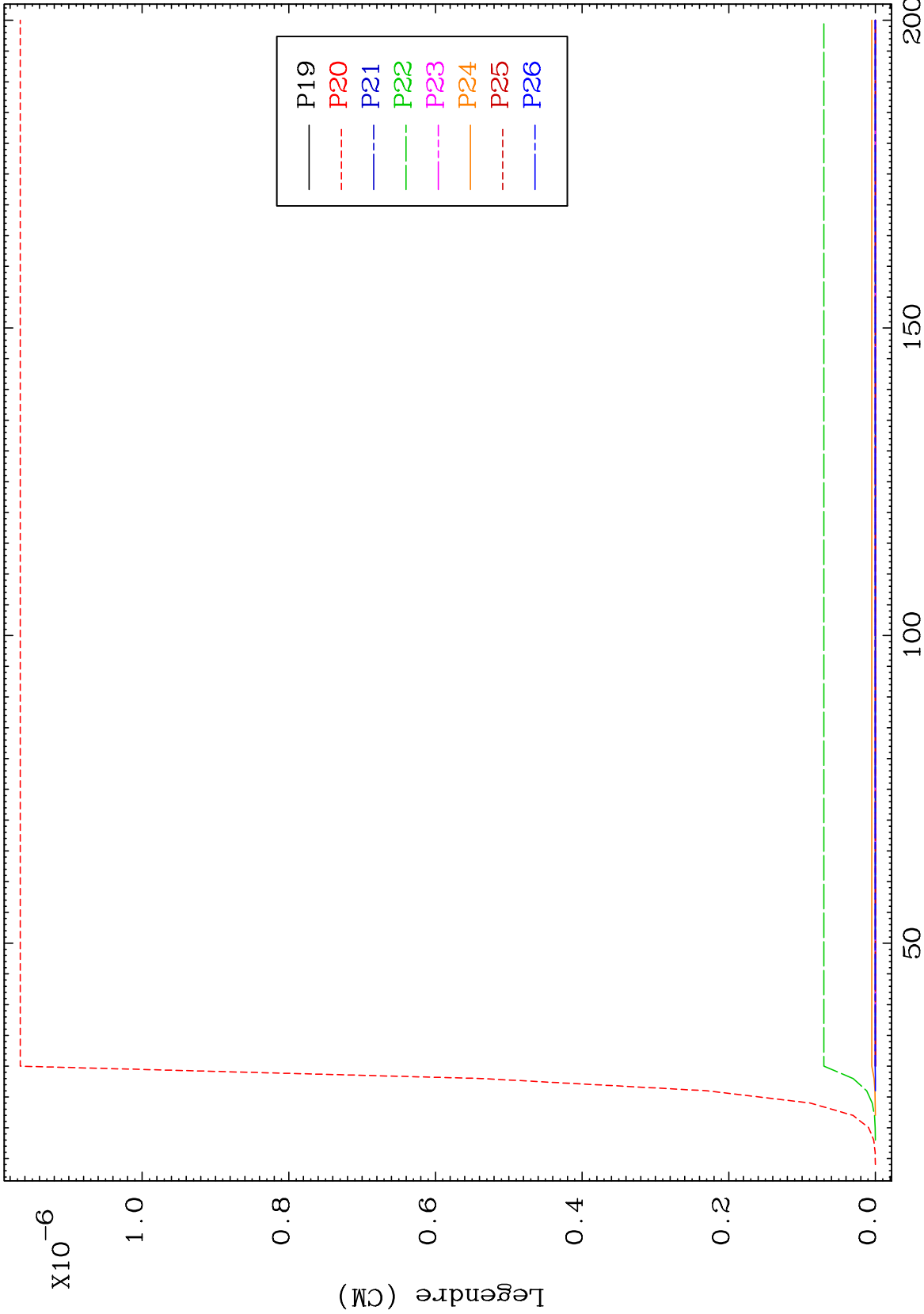
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

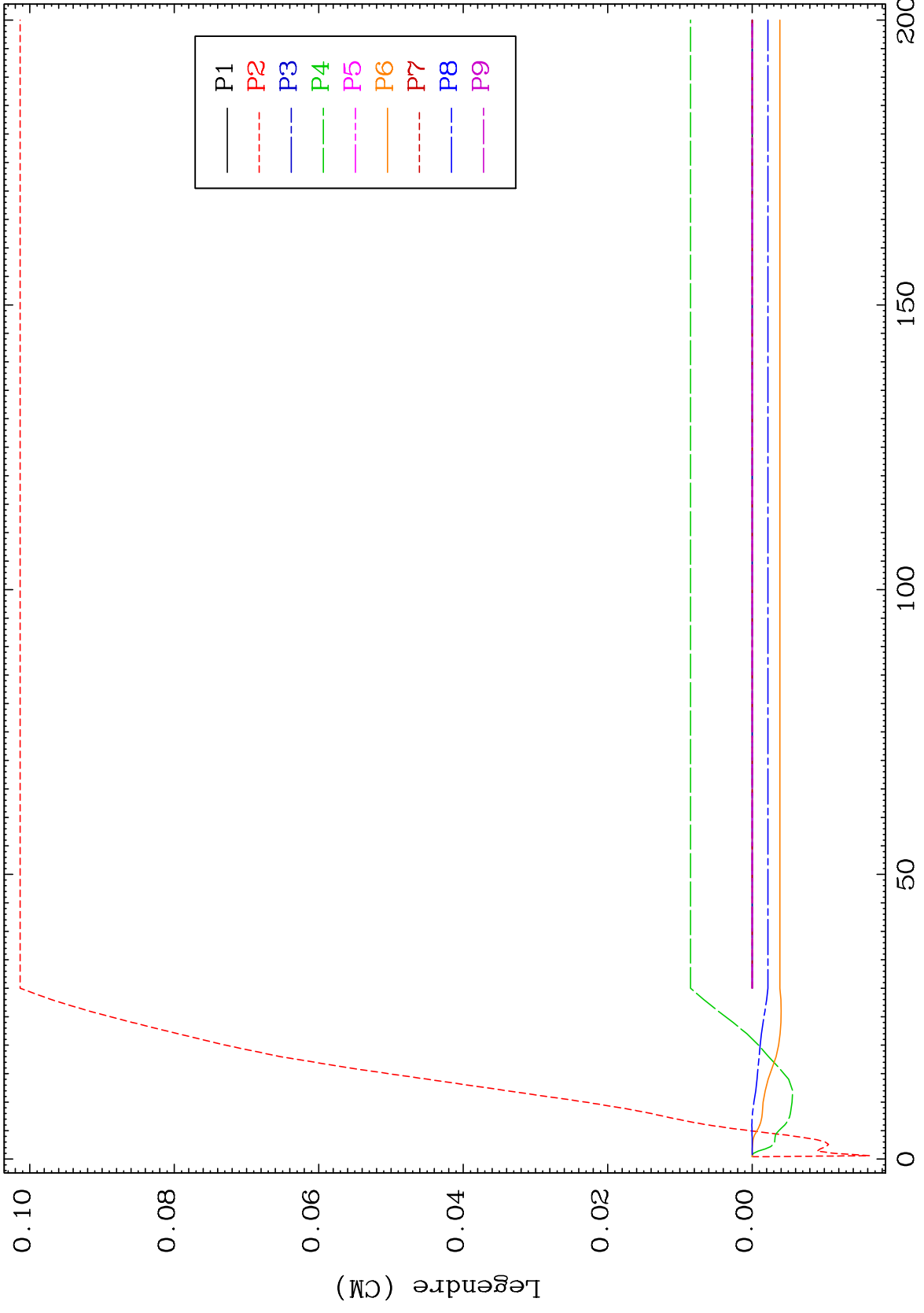


39

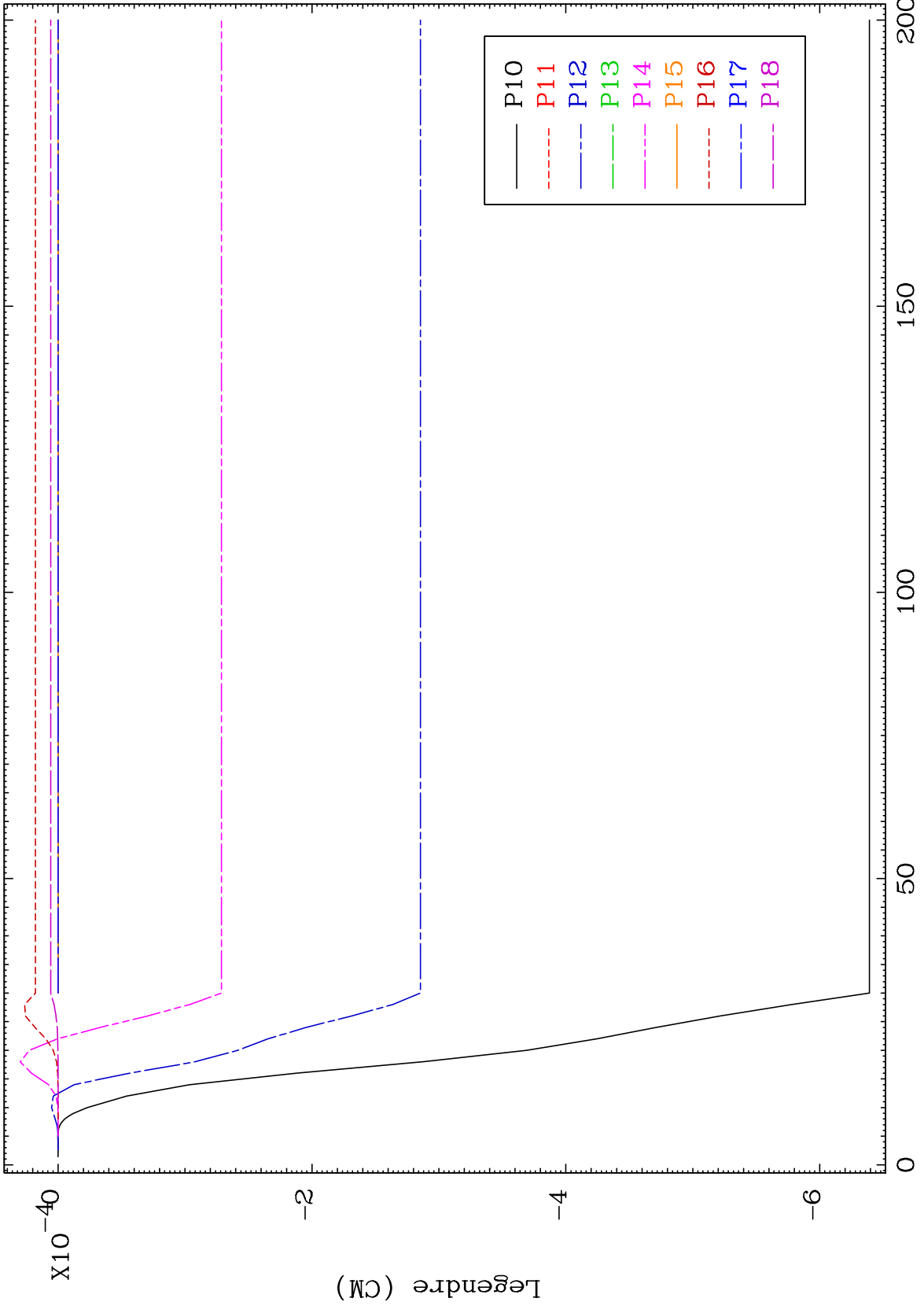
Incident Energy (MeV)

44-Ru-103

MAT 4446 MT= 58 (n,n') Level Legendre Coefficients 44-Ru-103



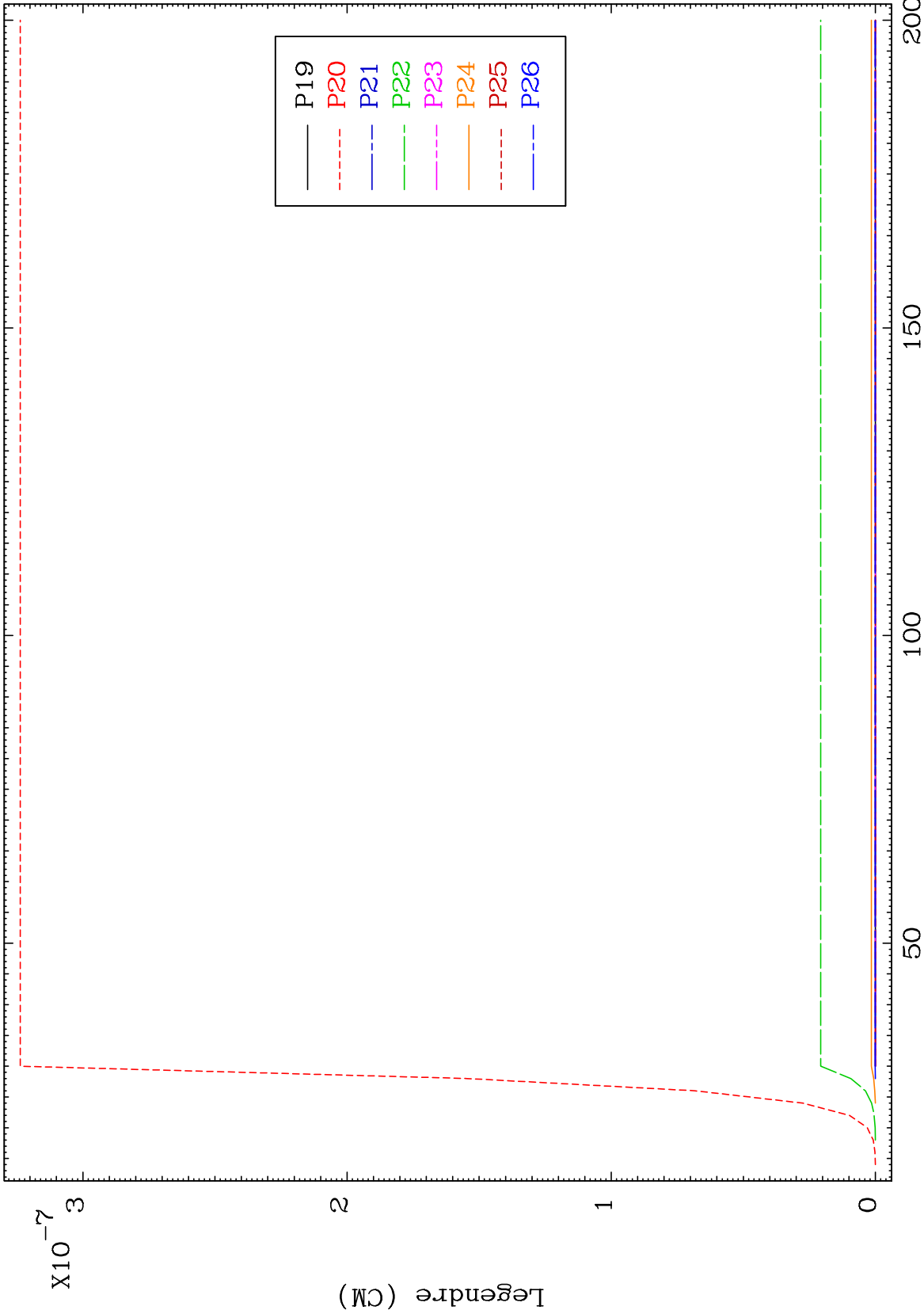
44-Ru-103



MAT 4446

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

44-Ru-103



42

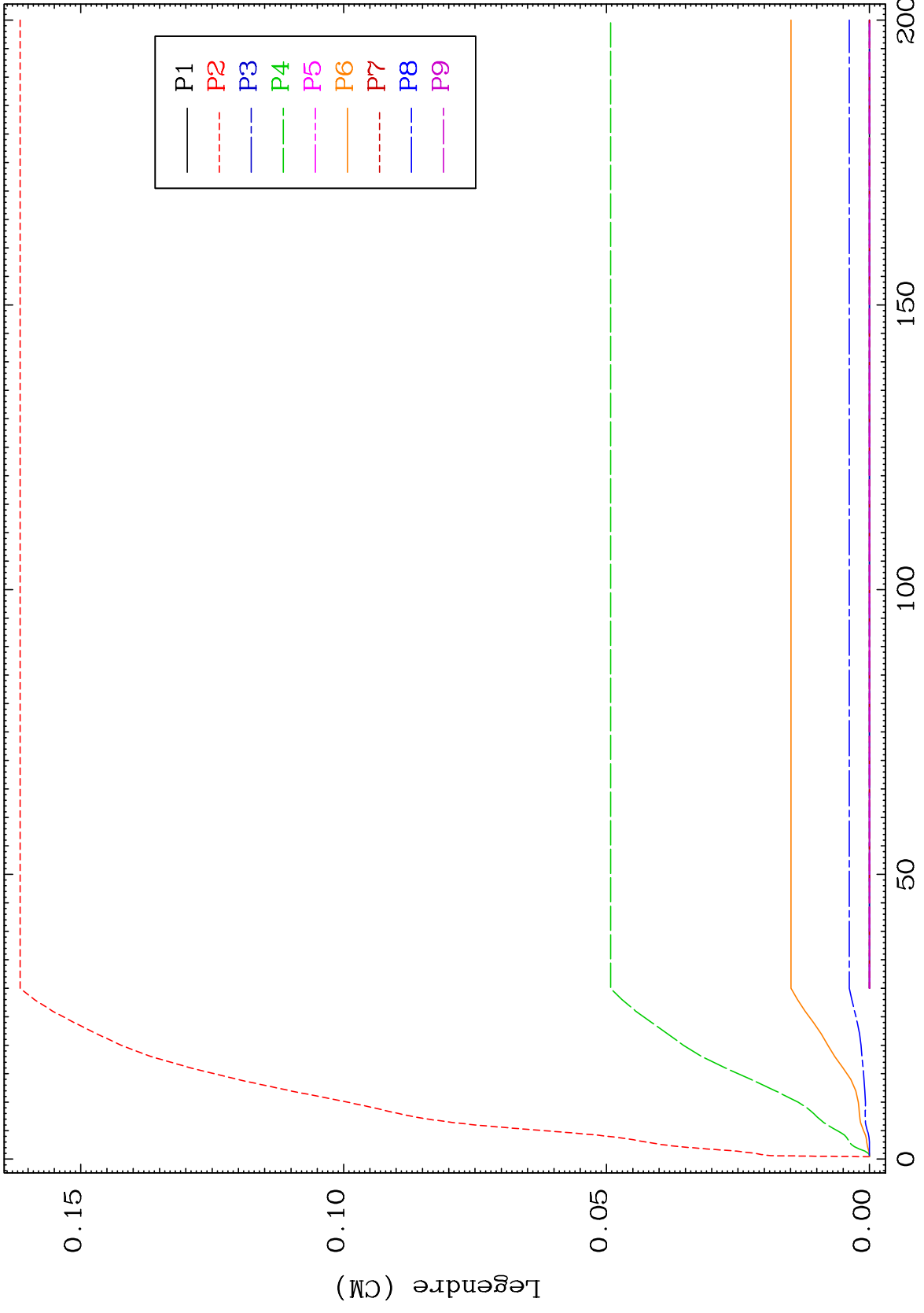
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



43

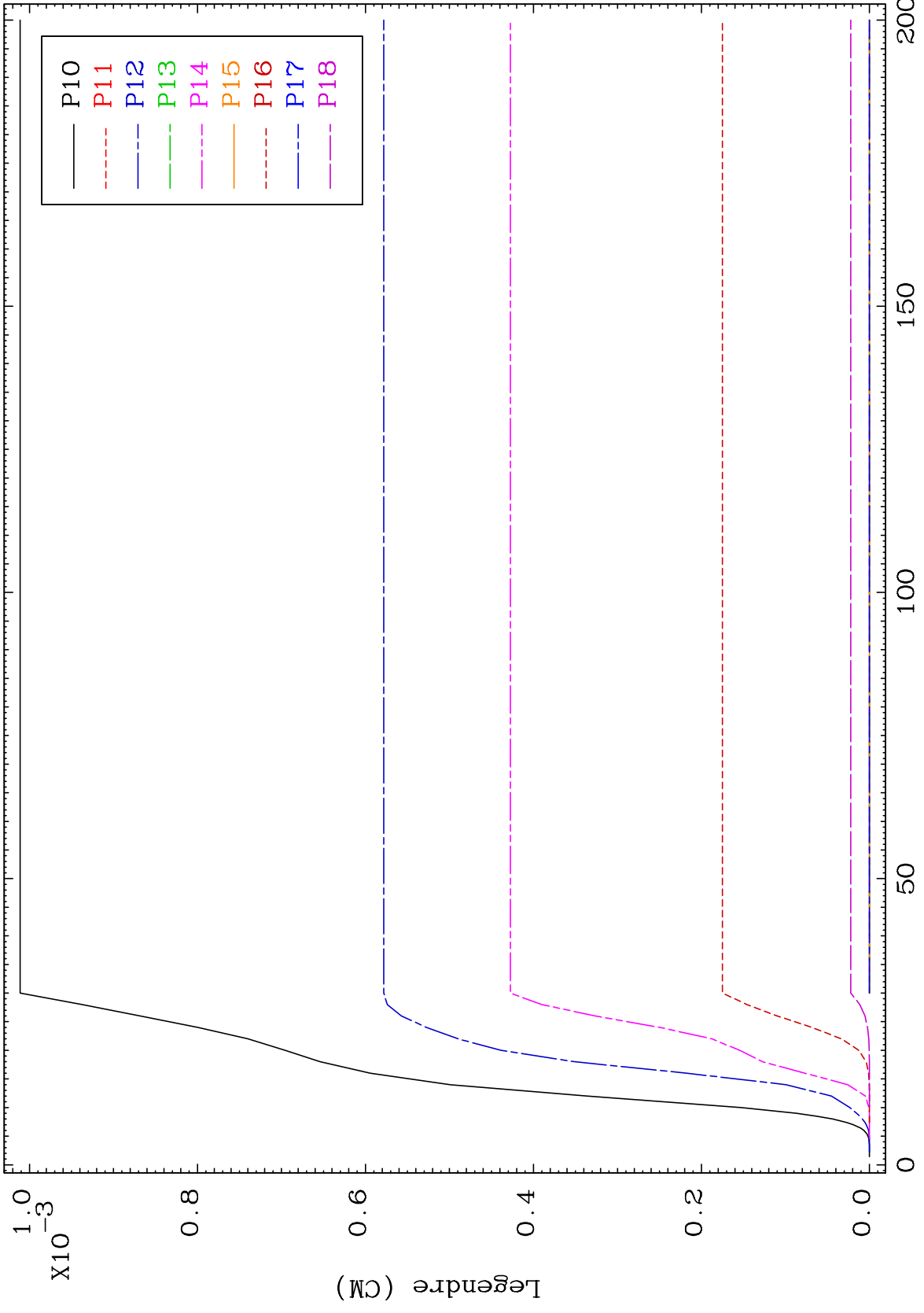
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

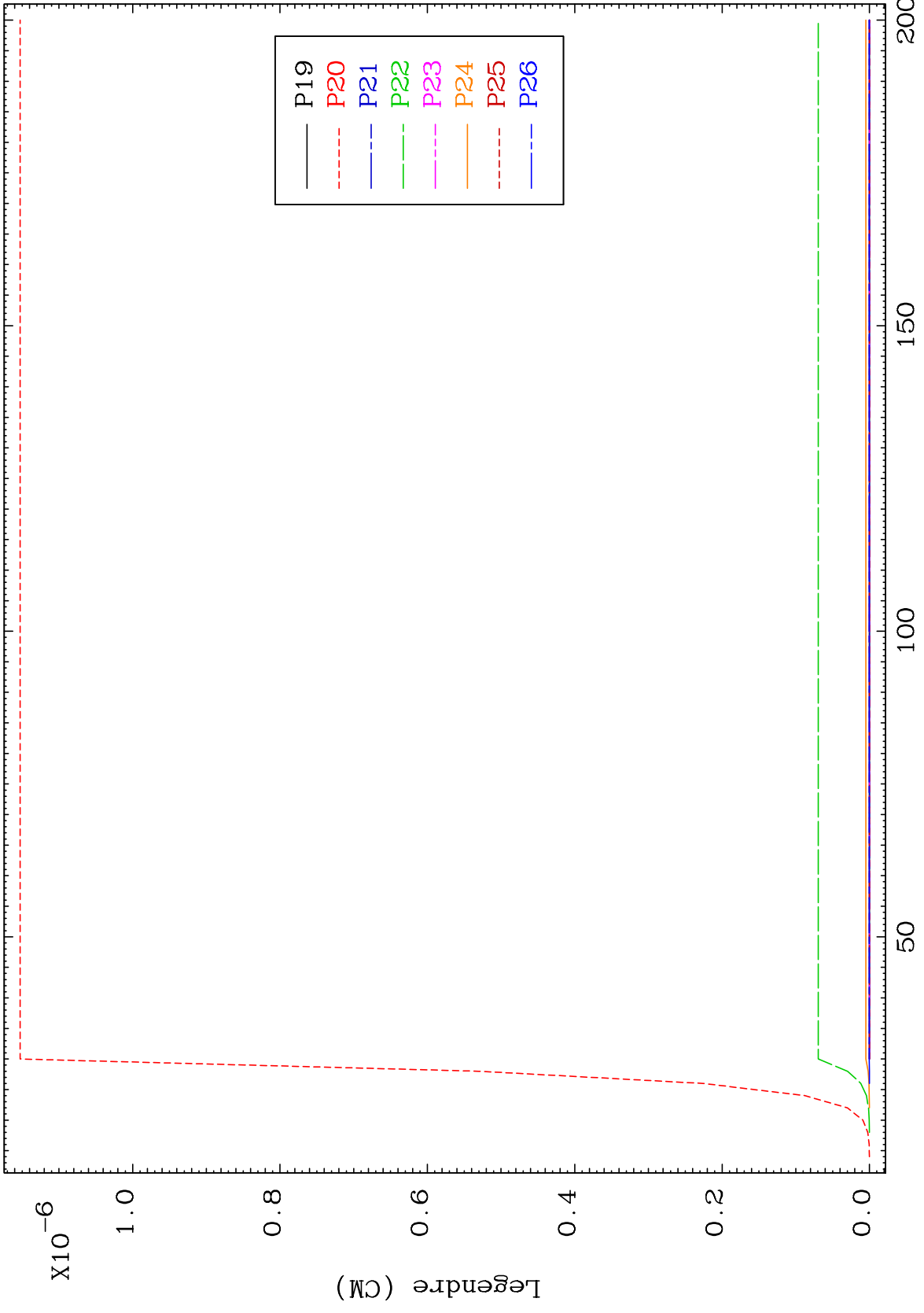


44

Incident Energy (MeV)

44-Ru-103

MAT 4446 MT= 59 (n,n') Level Legendre Coefficients 44-Ru-103

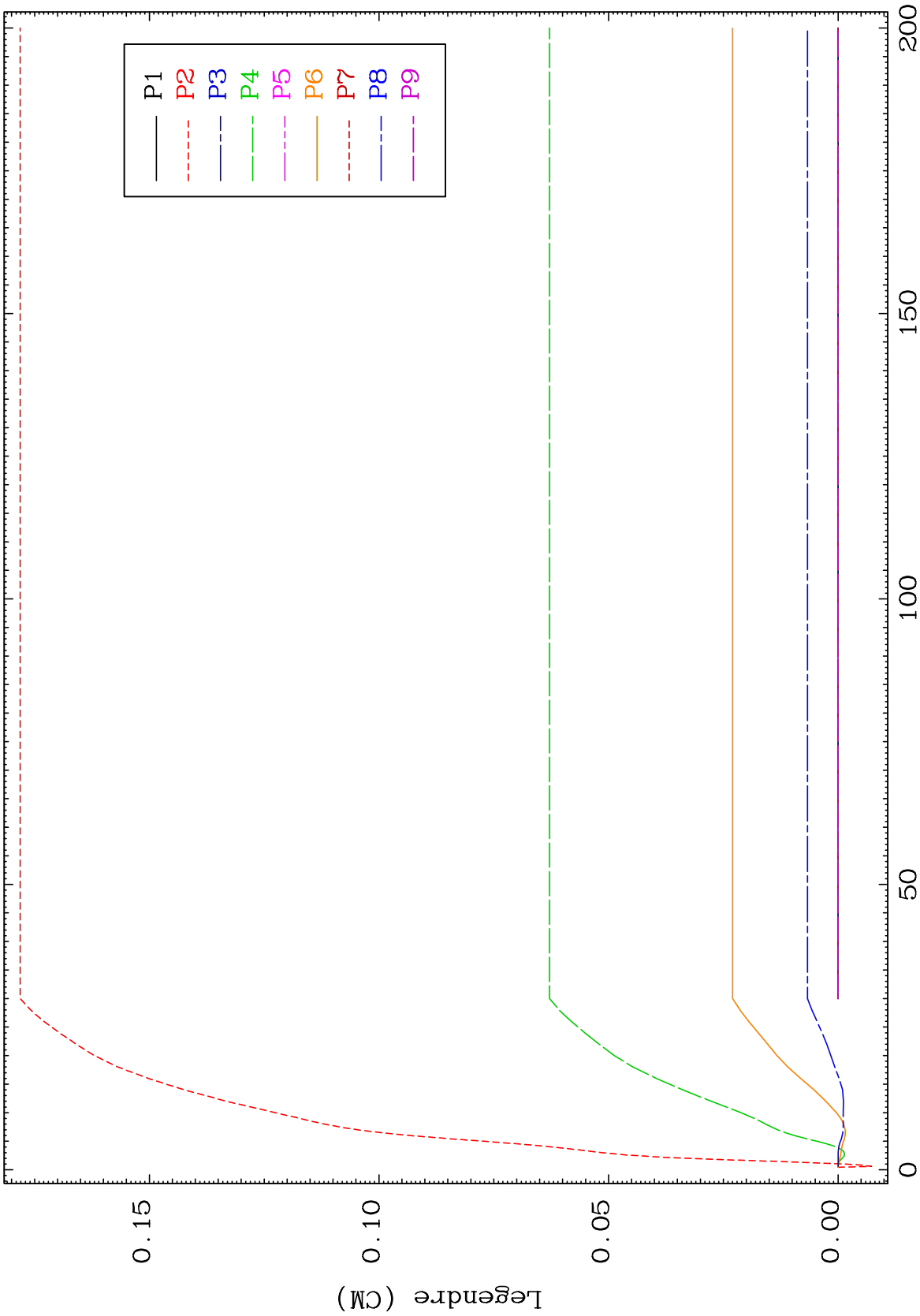


44-Ru-103

MAT 4446

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

44-Ru-103



46

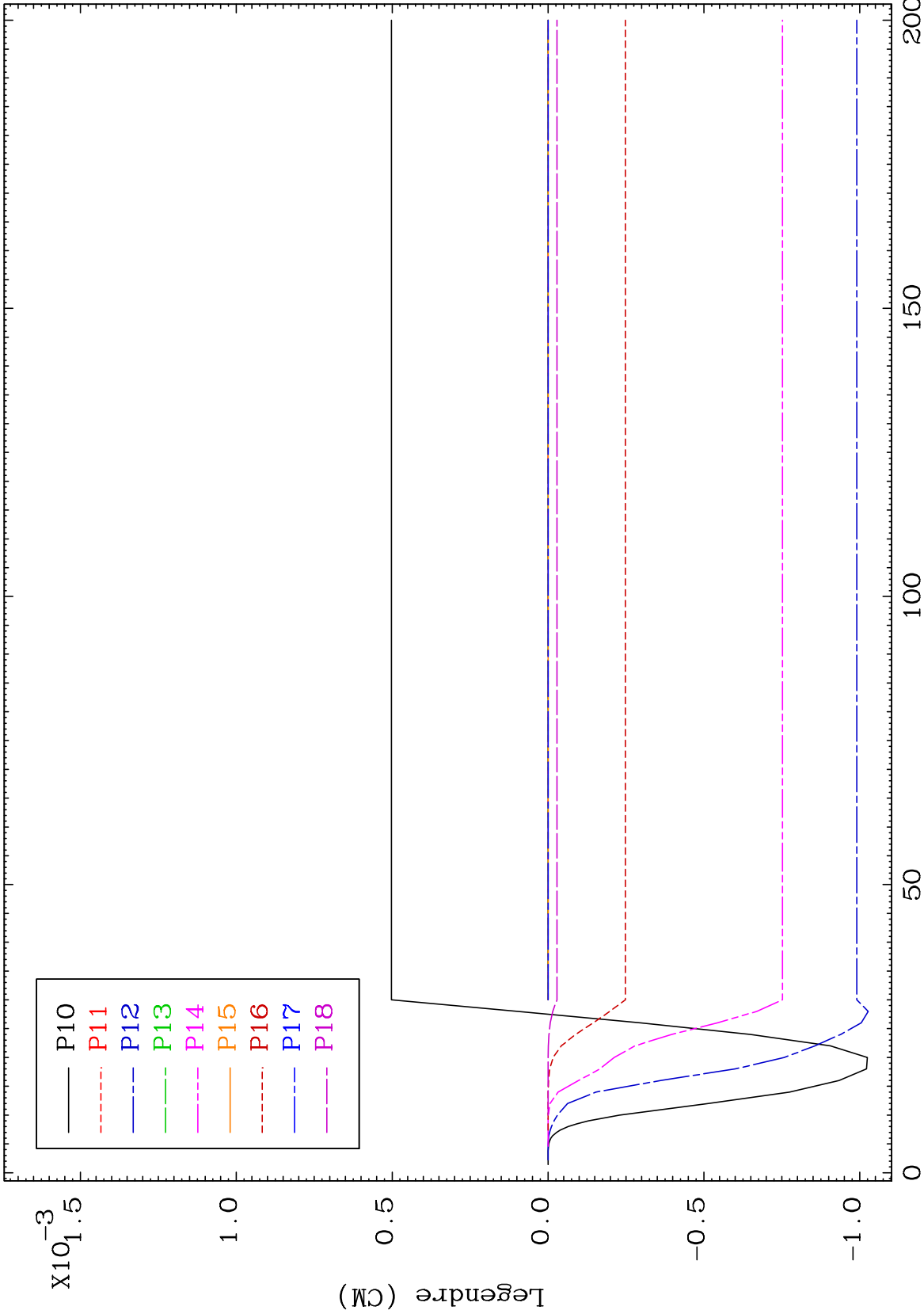
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

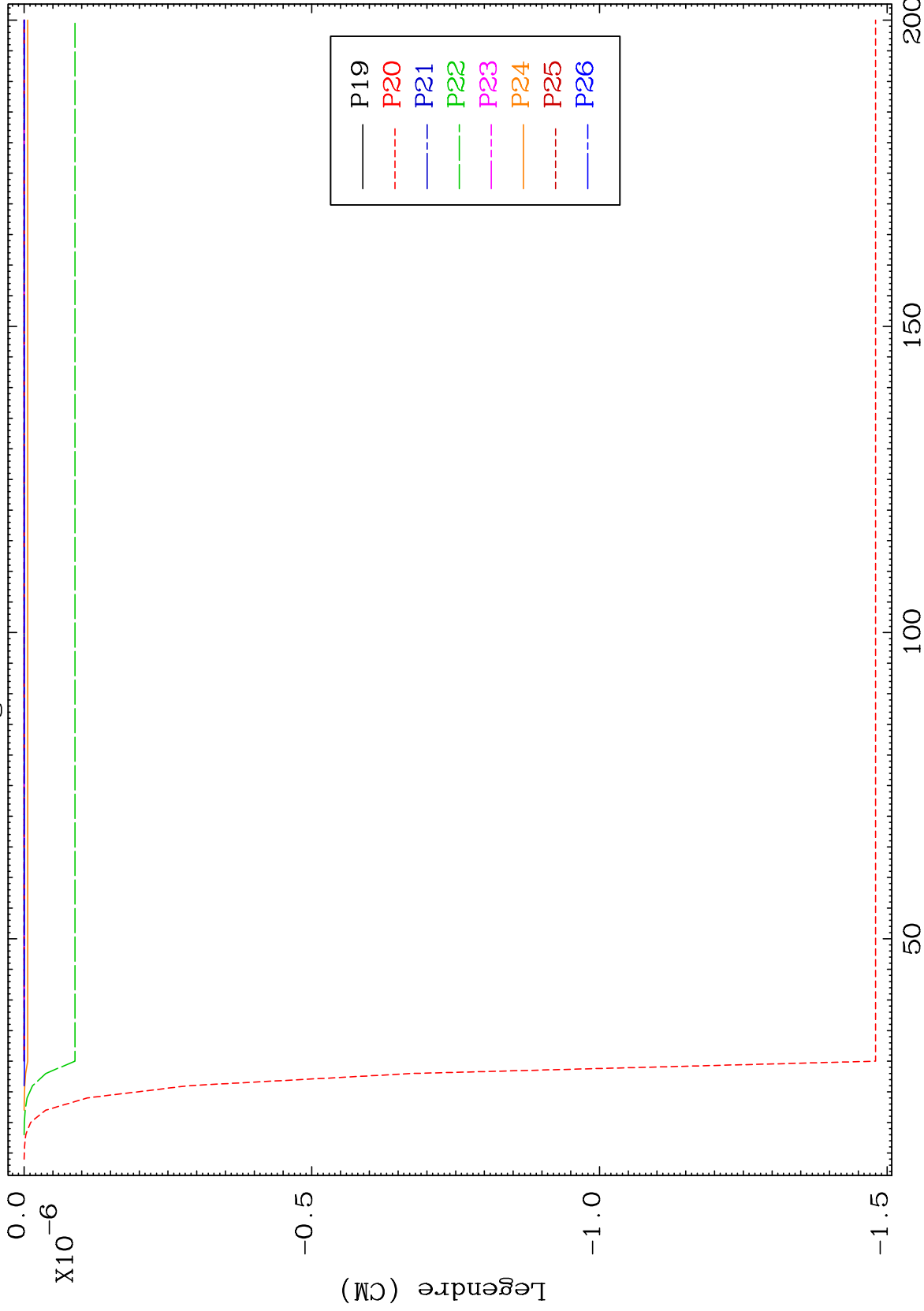
44-Ru-103



47

44-Ru-103

MAT 4446 MT= 60 (n,n') Level Legendre Coefficients 44-Ru-103

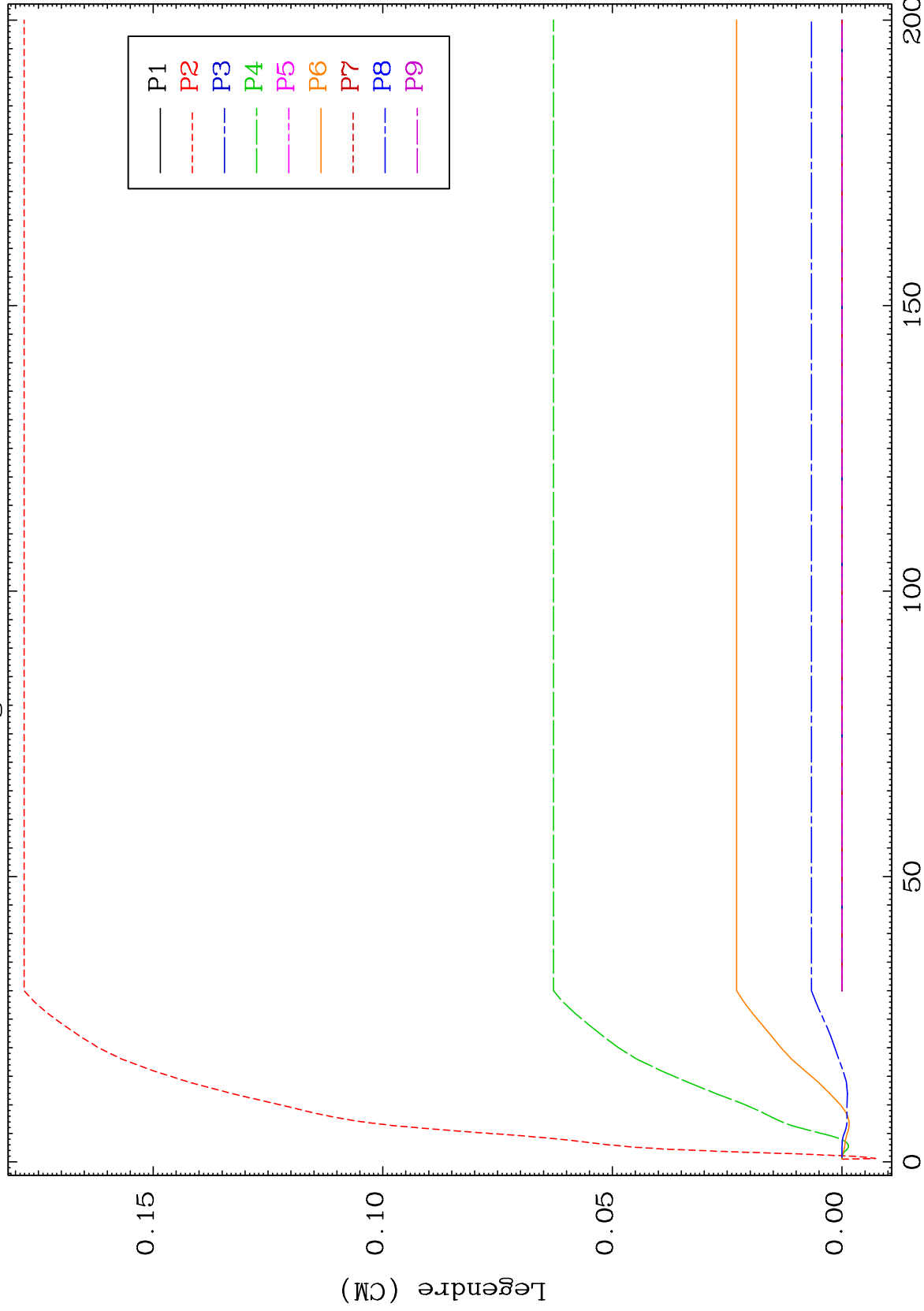


48 Incident Energy (MeV) 44-Ru-103

MAT 4446

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

44-Ru-103



49

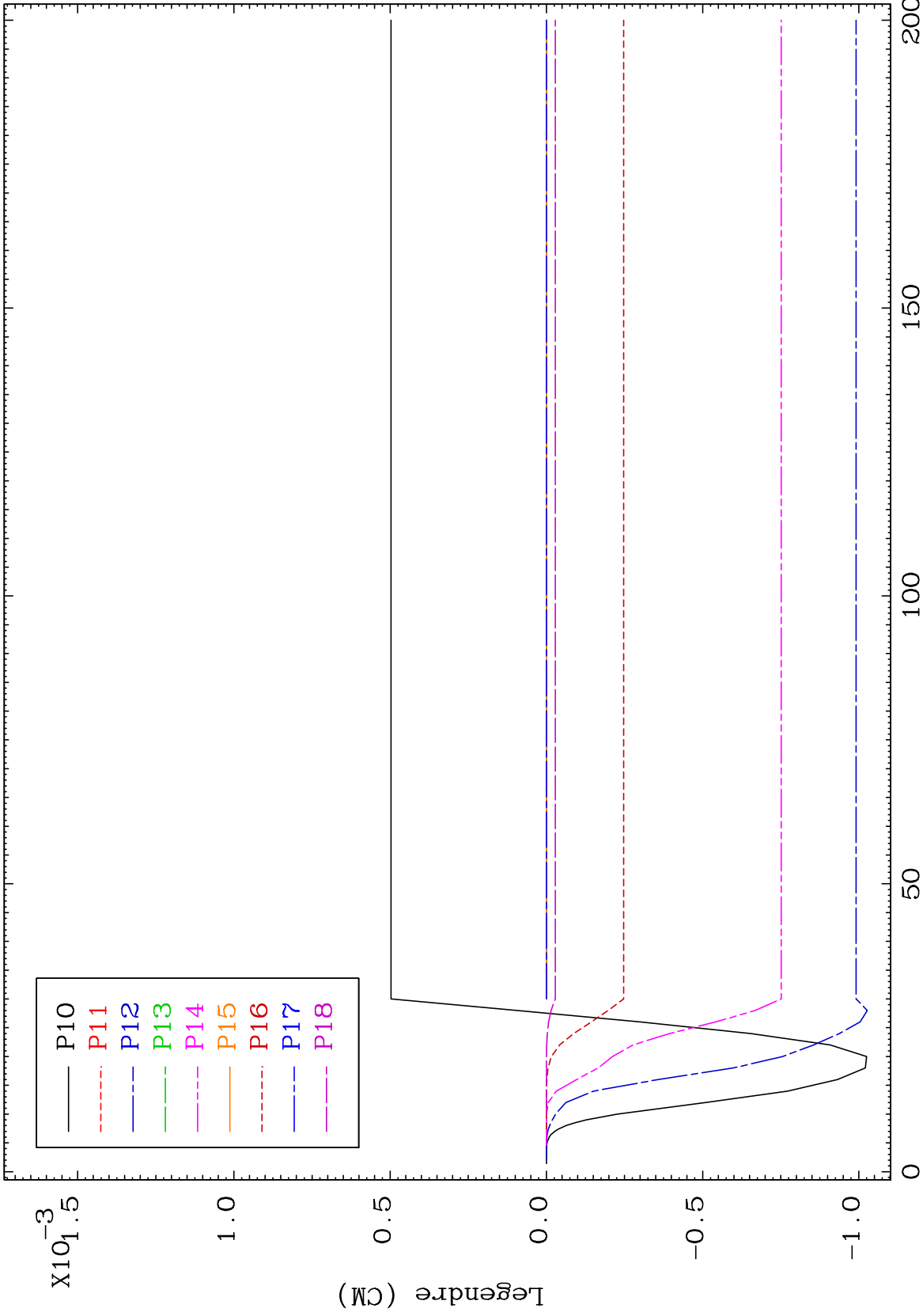
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



50

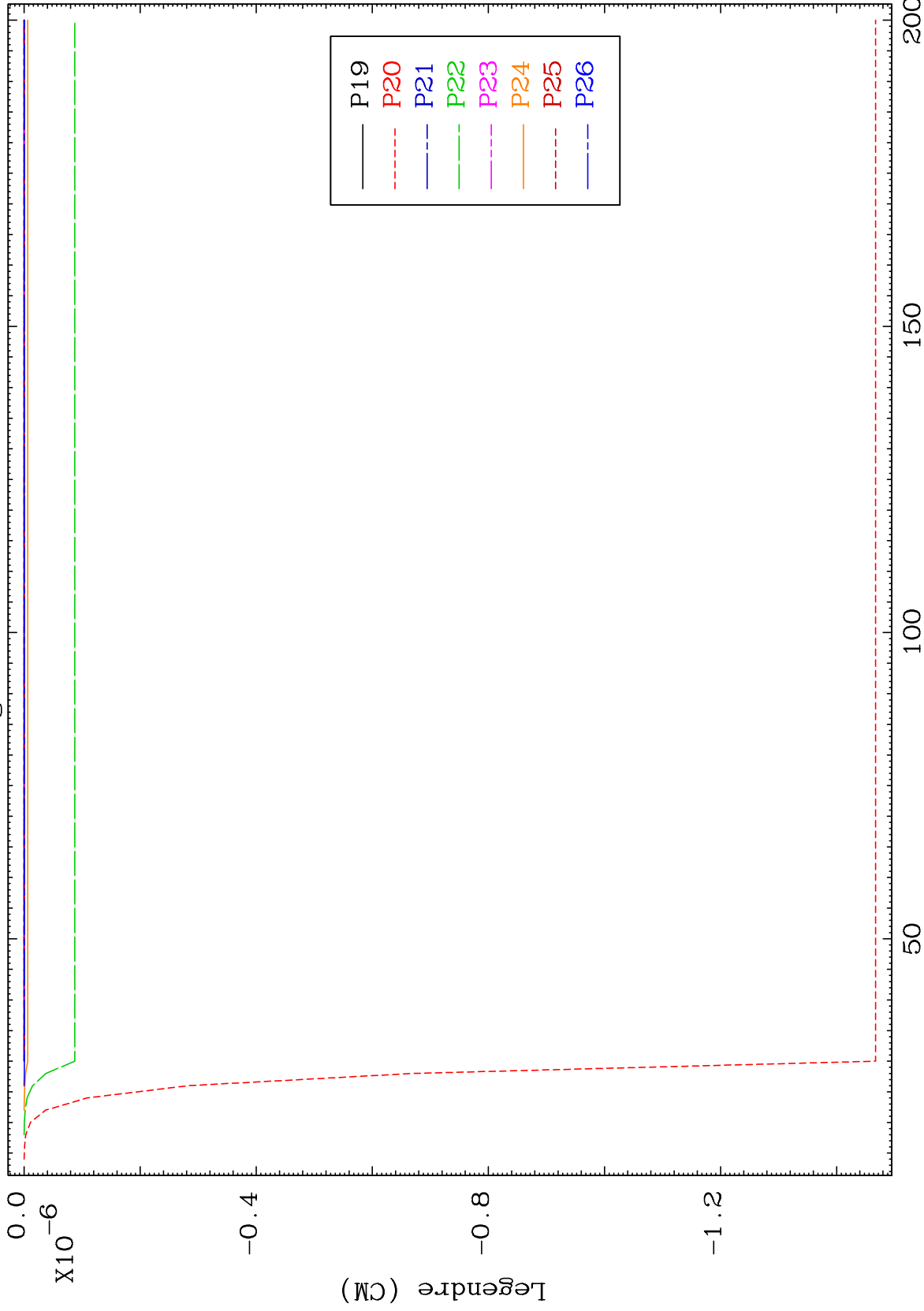
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



51

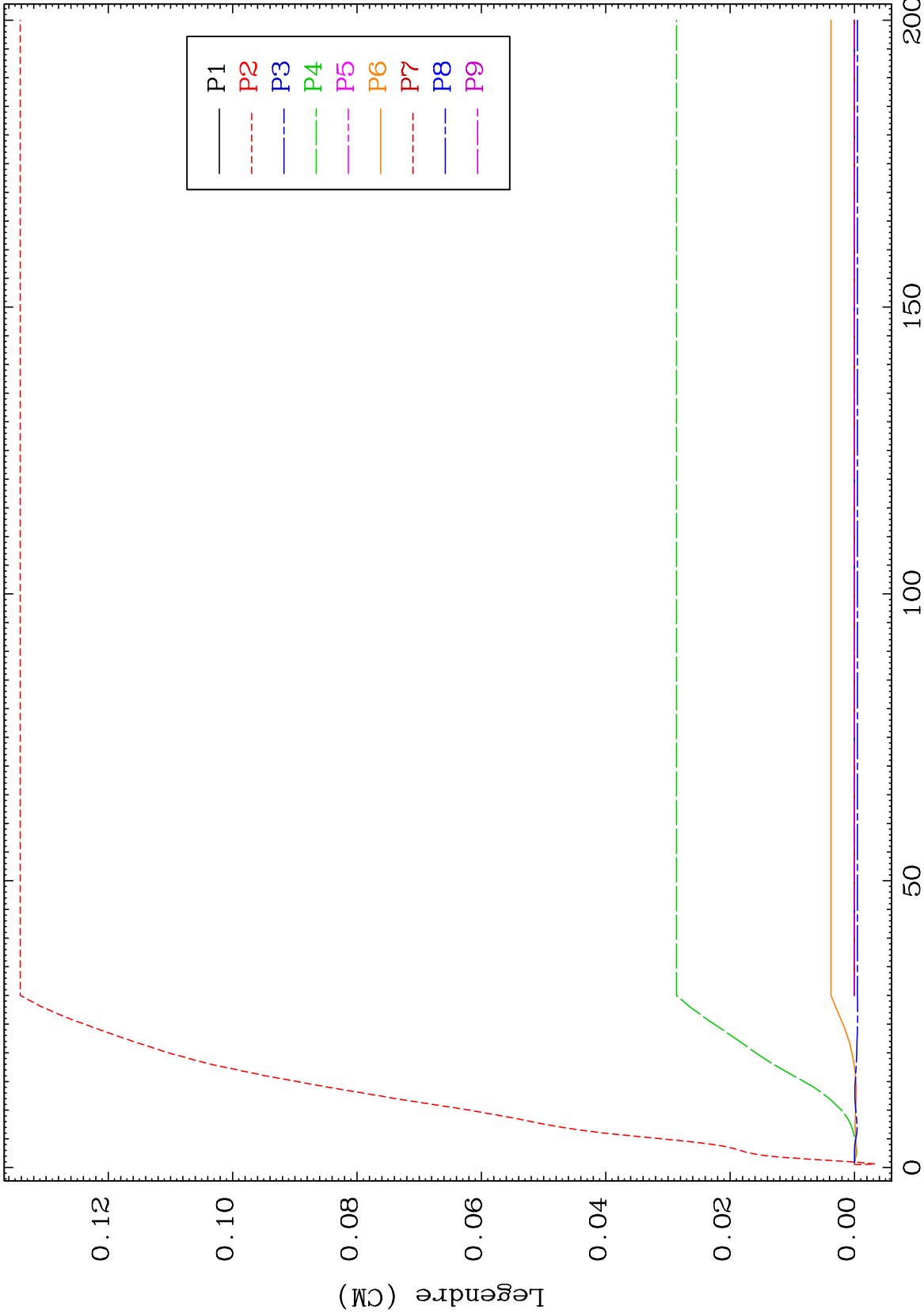
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



52

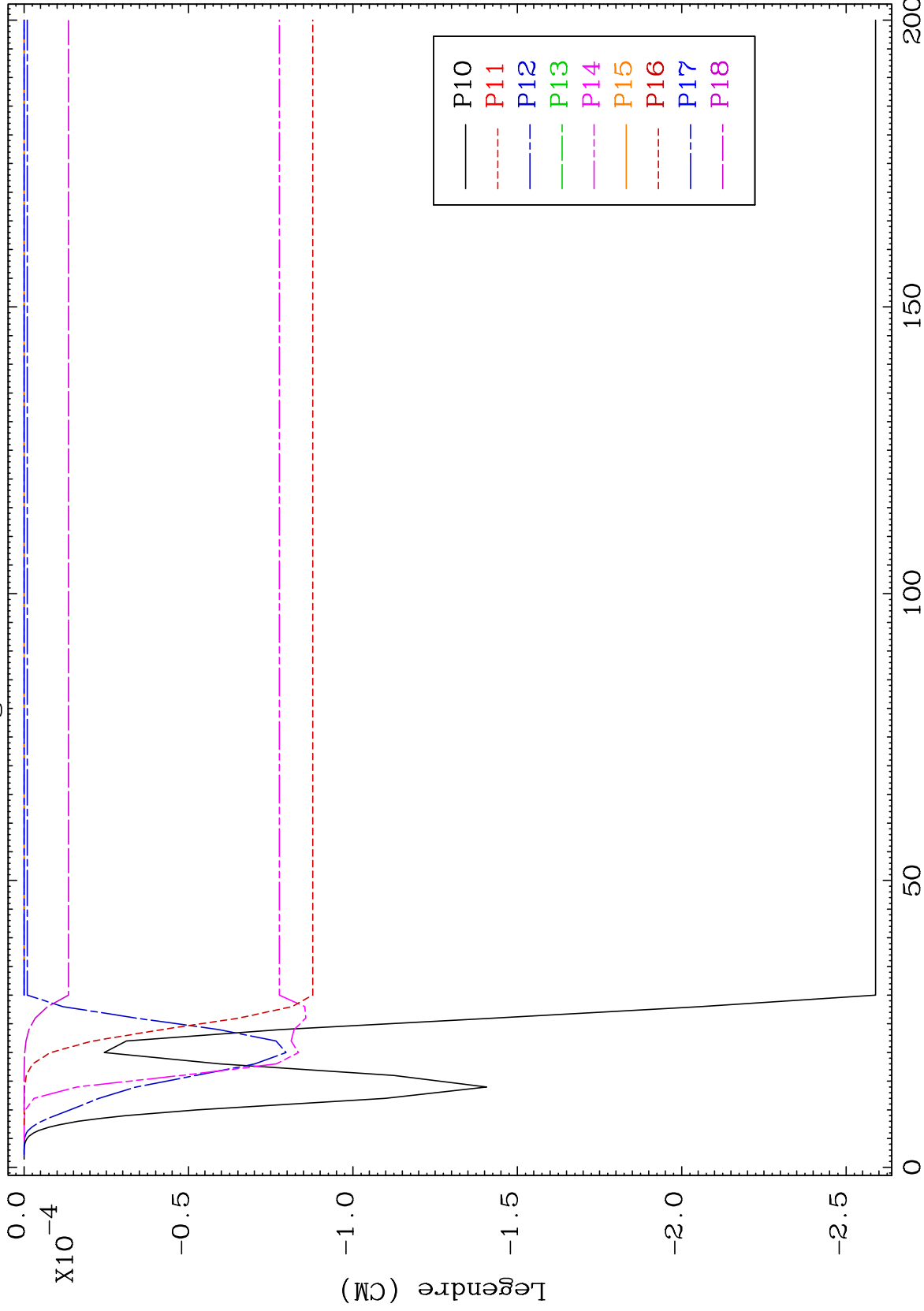
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



53

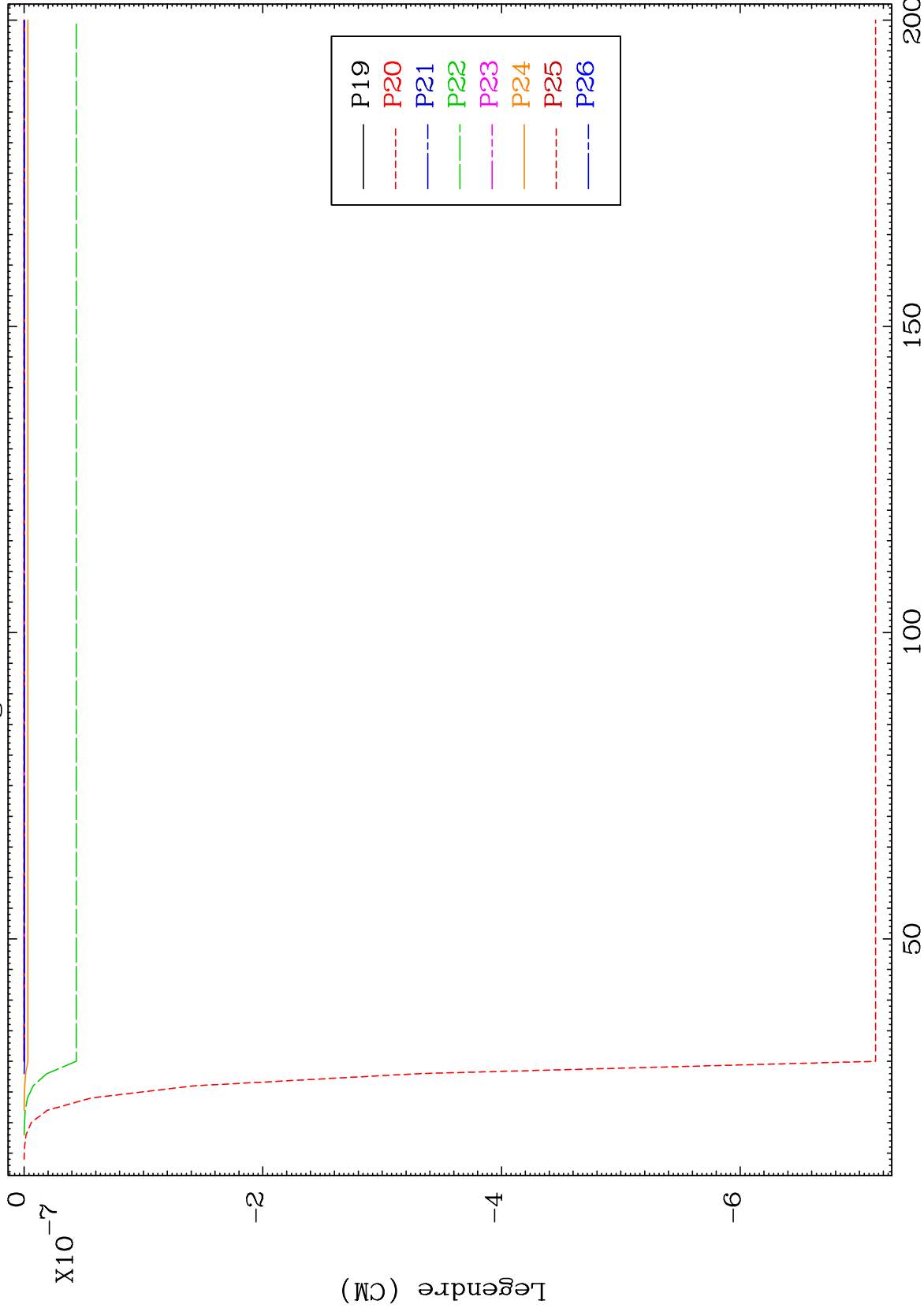
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



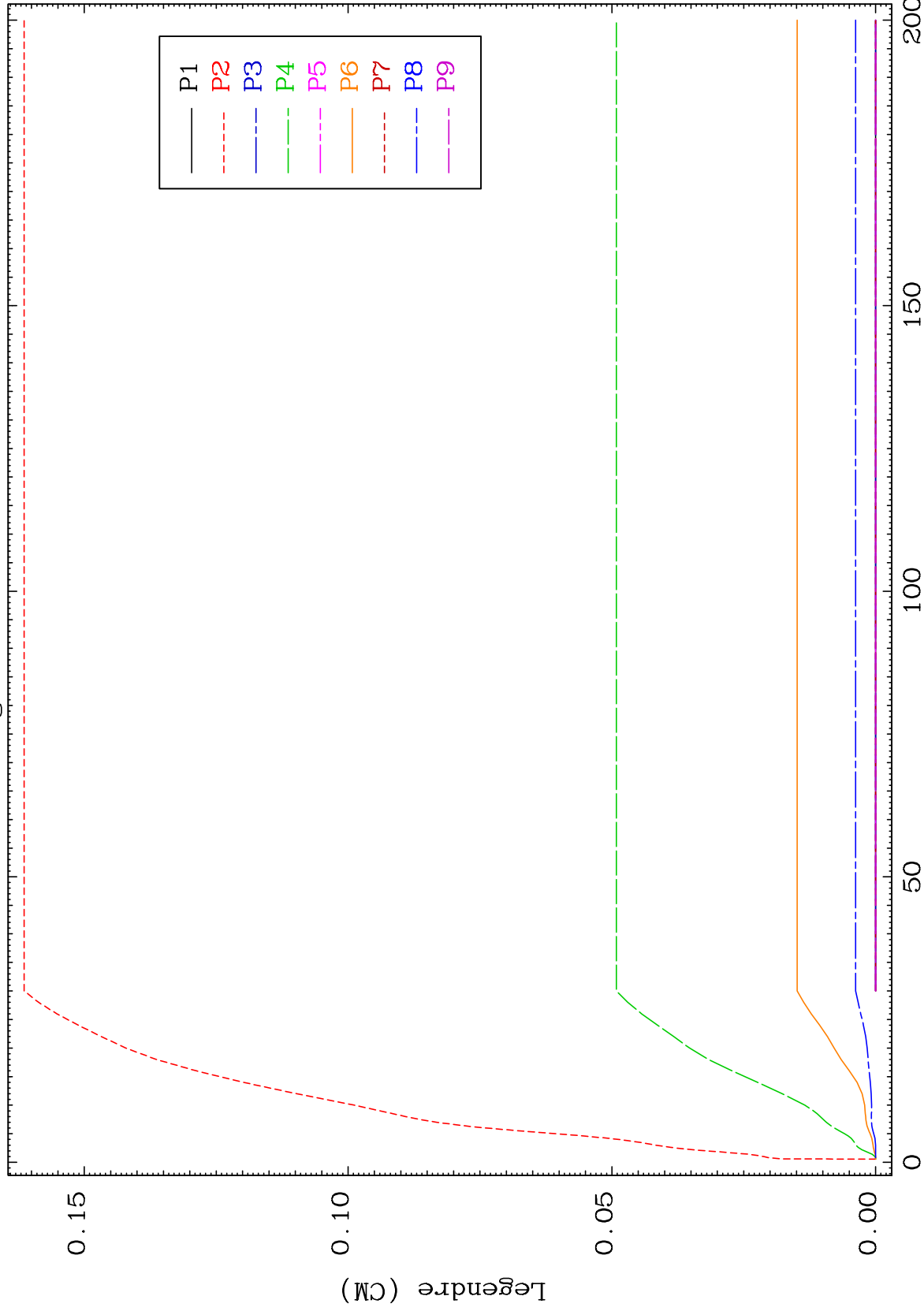
54

44-Ru-103

MAT 4446

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

44-Ru-103



55

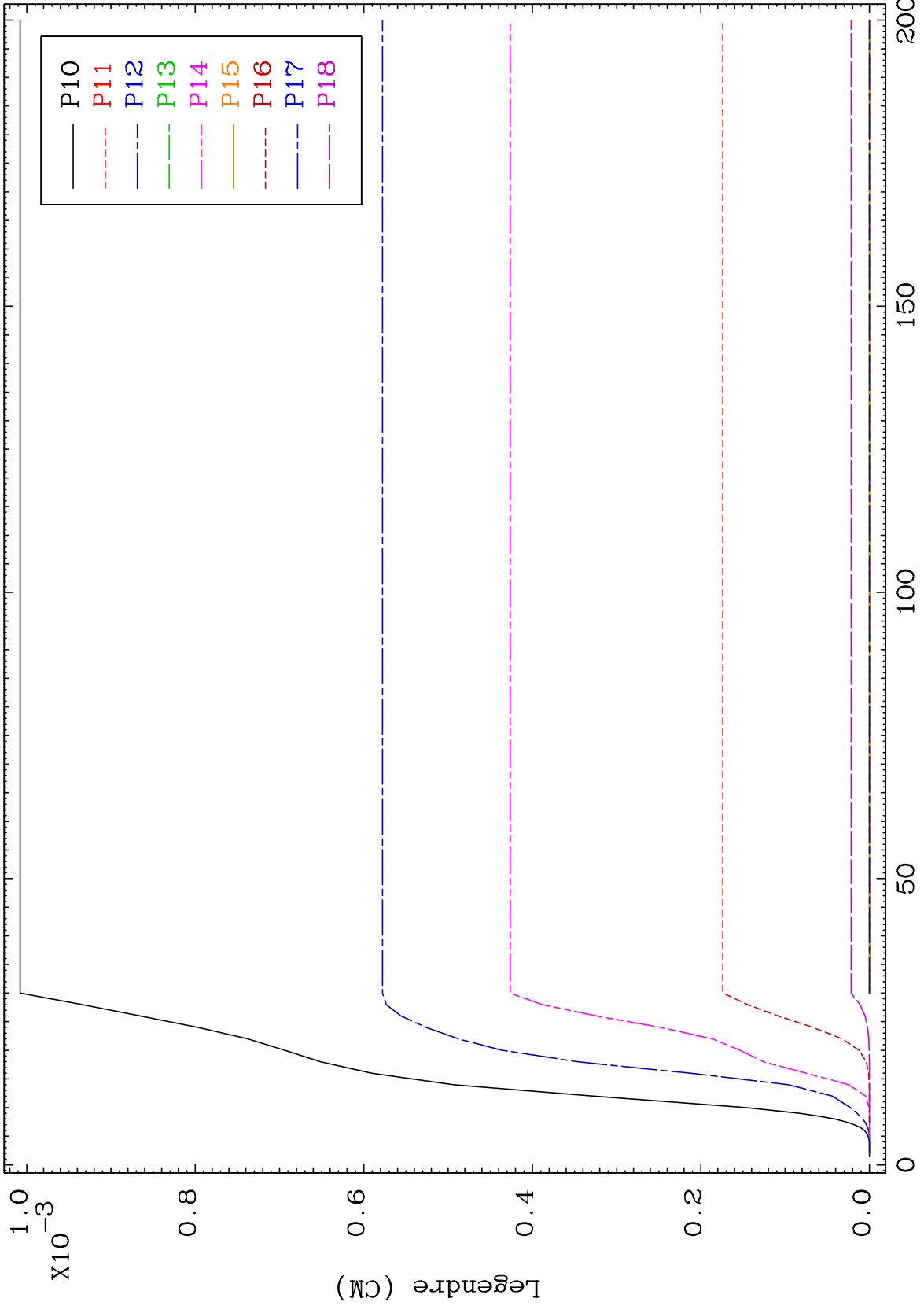
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



56

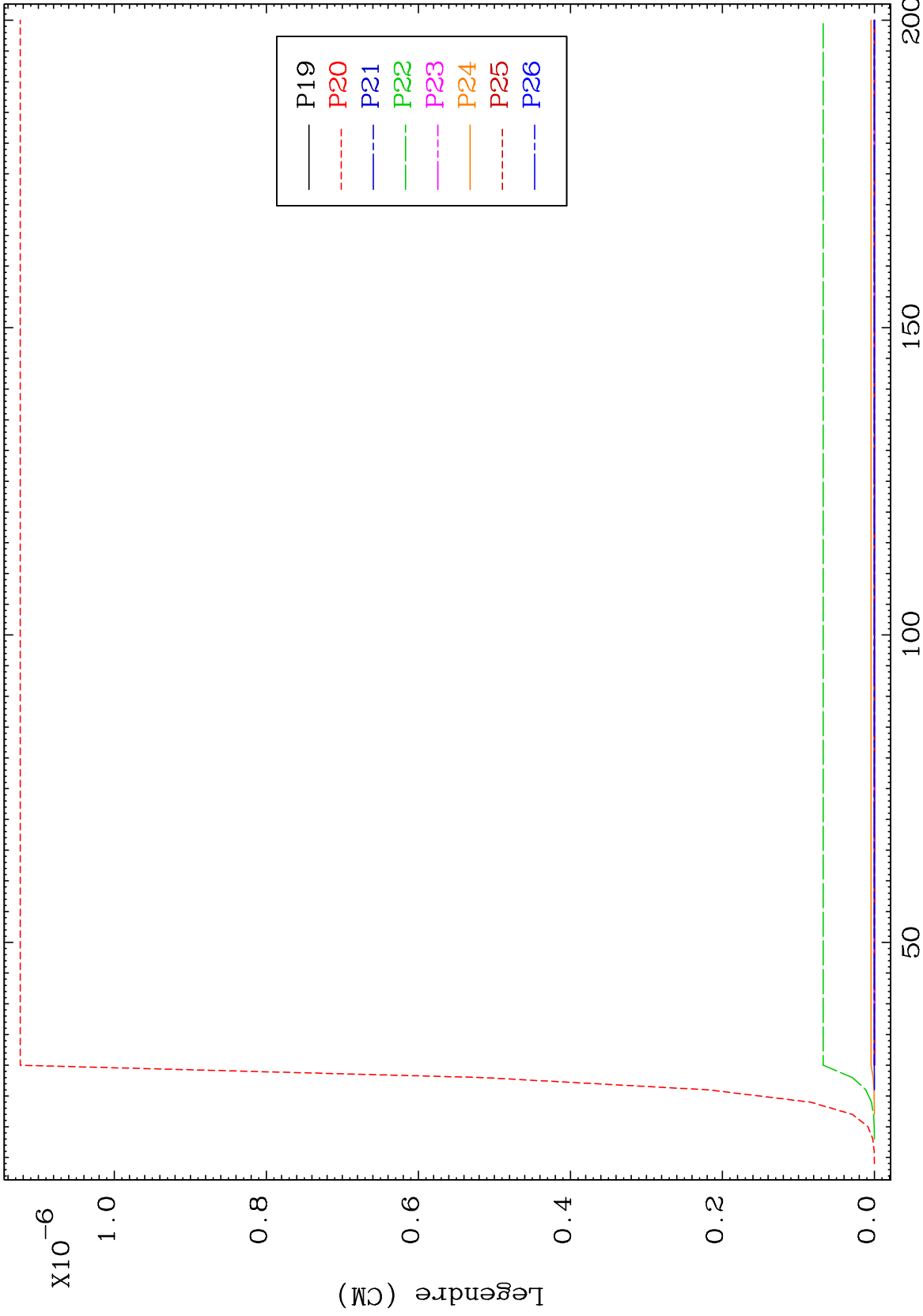
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



57

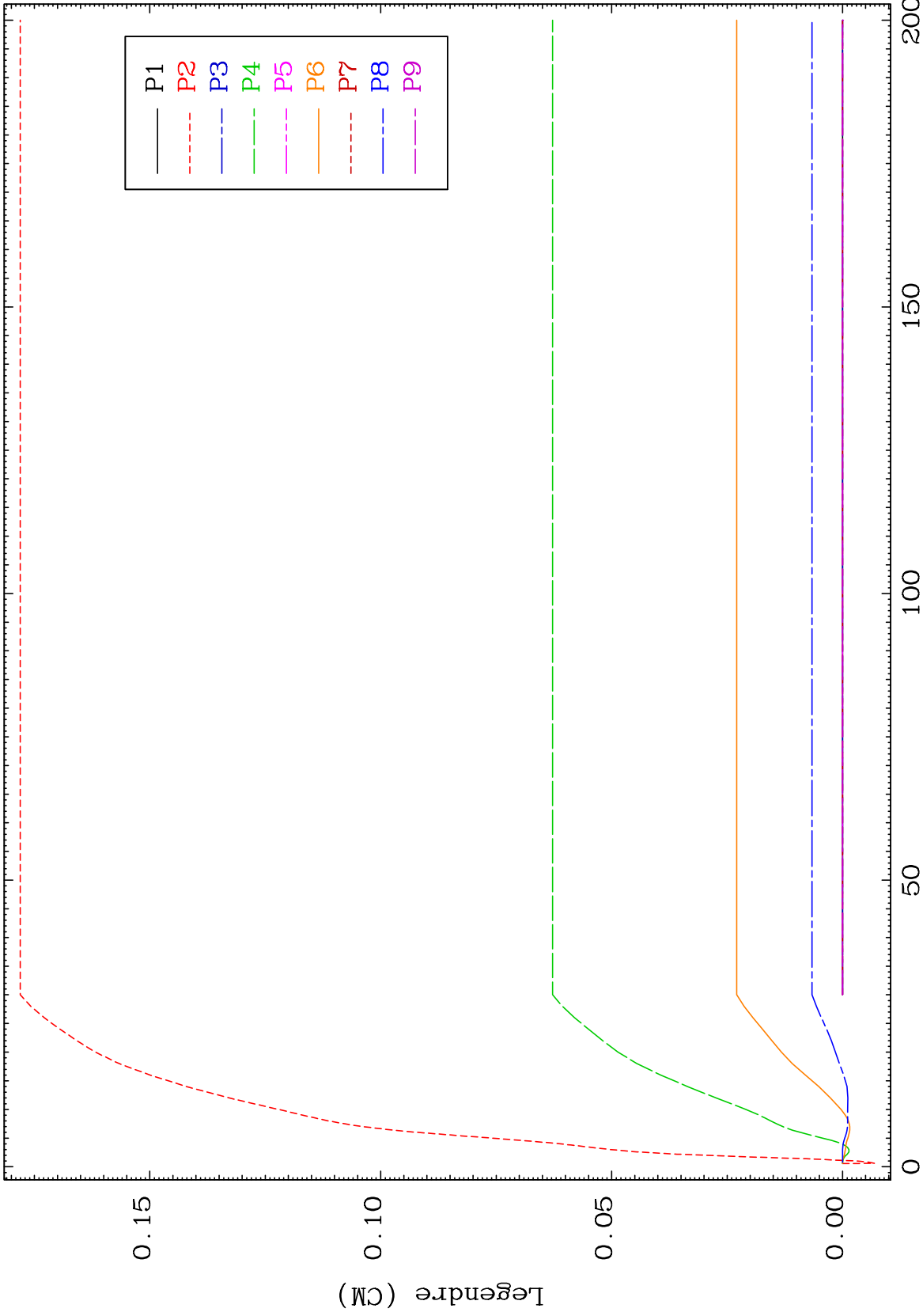
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



58

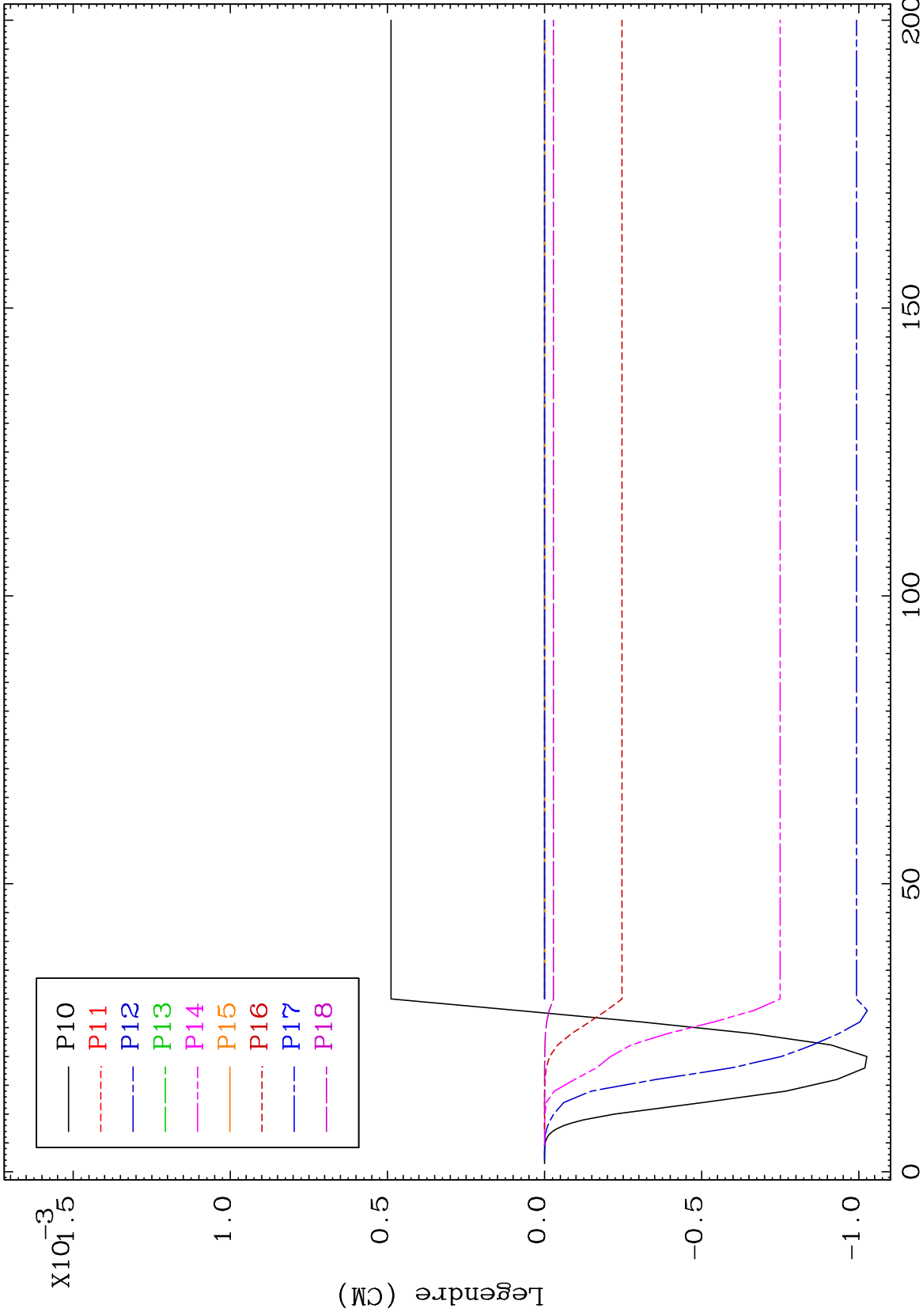
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



59

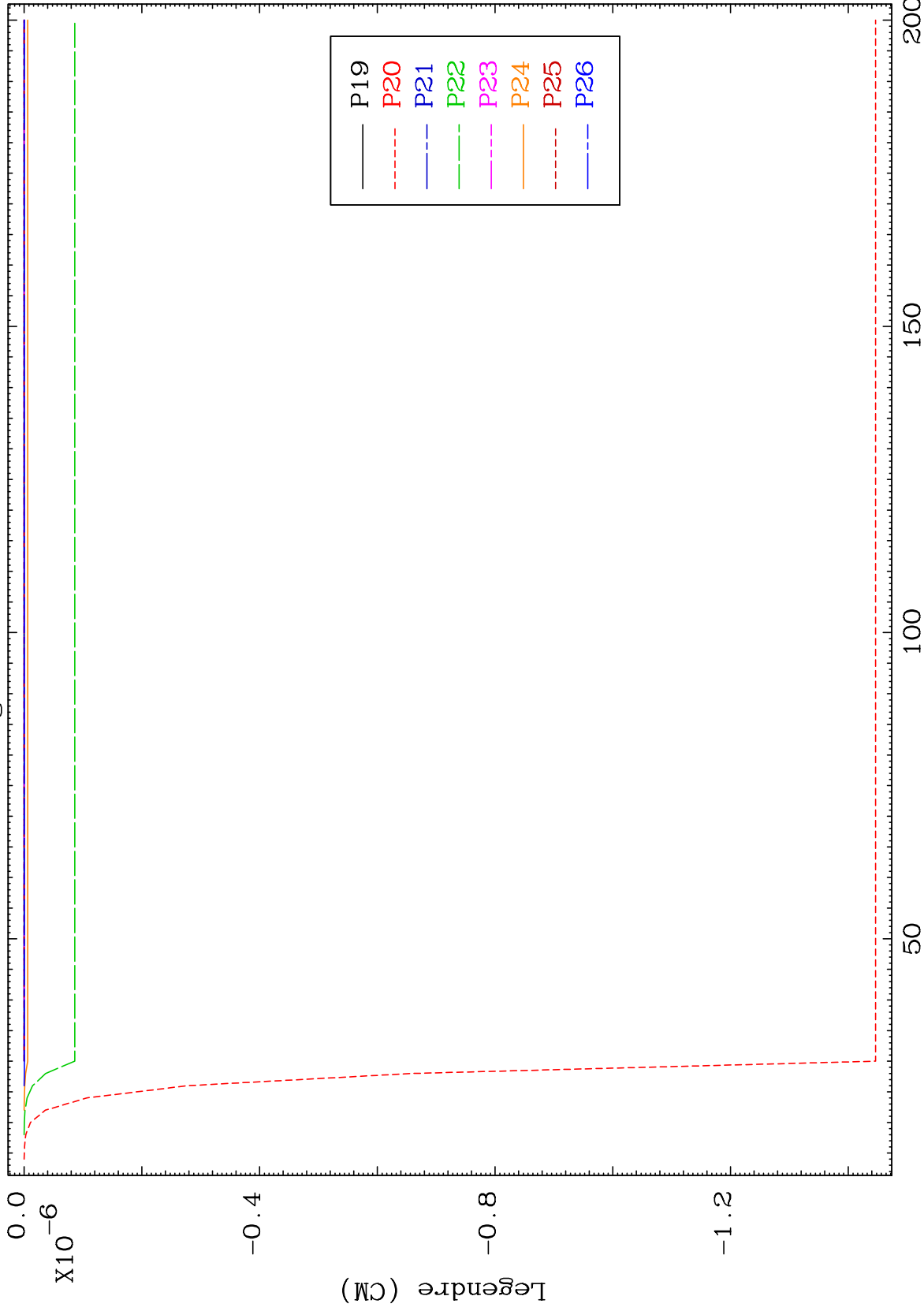
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



60

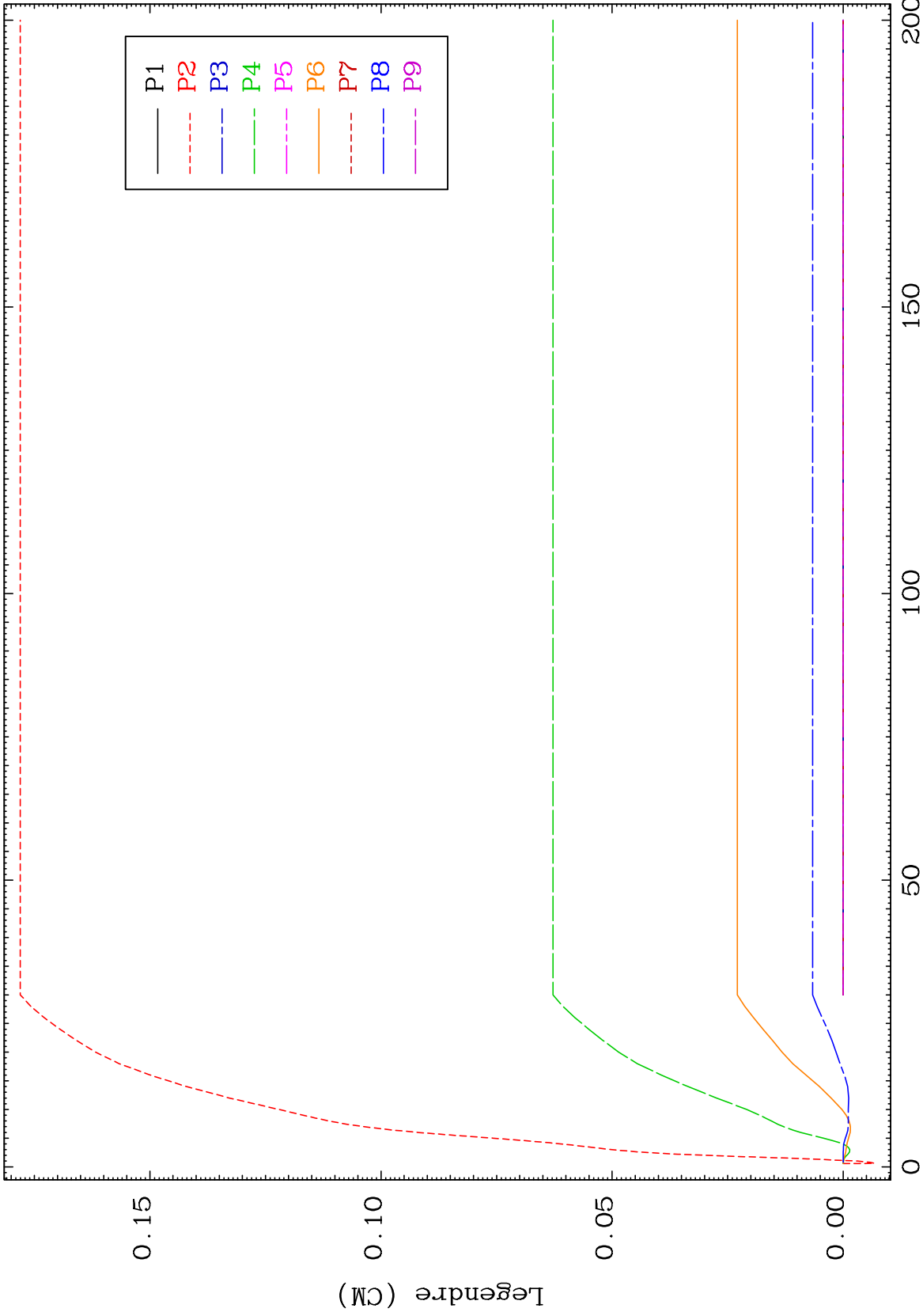
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



61

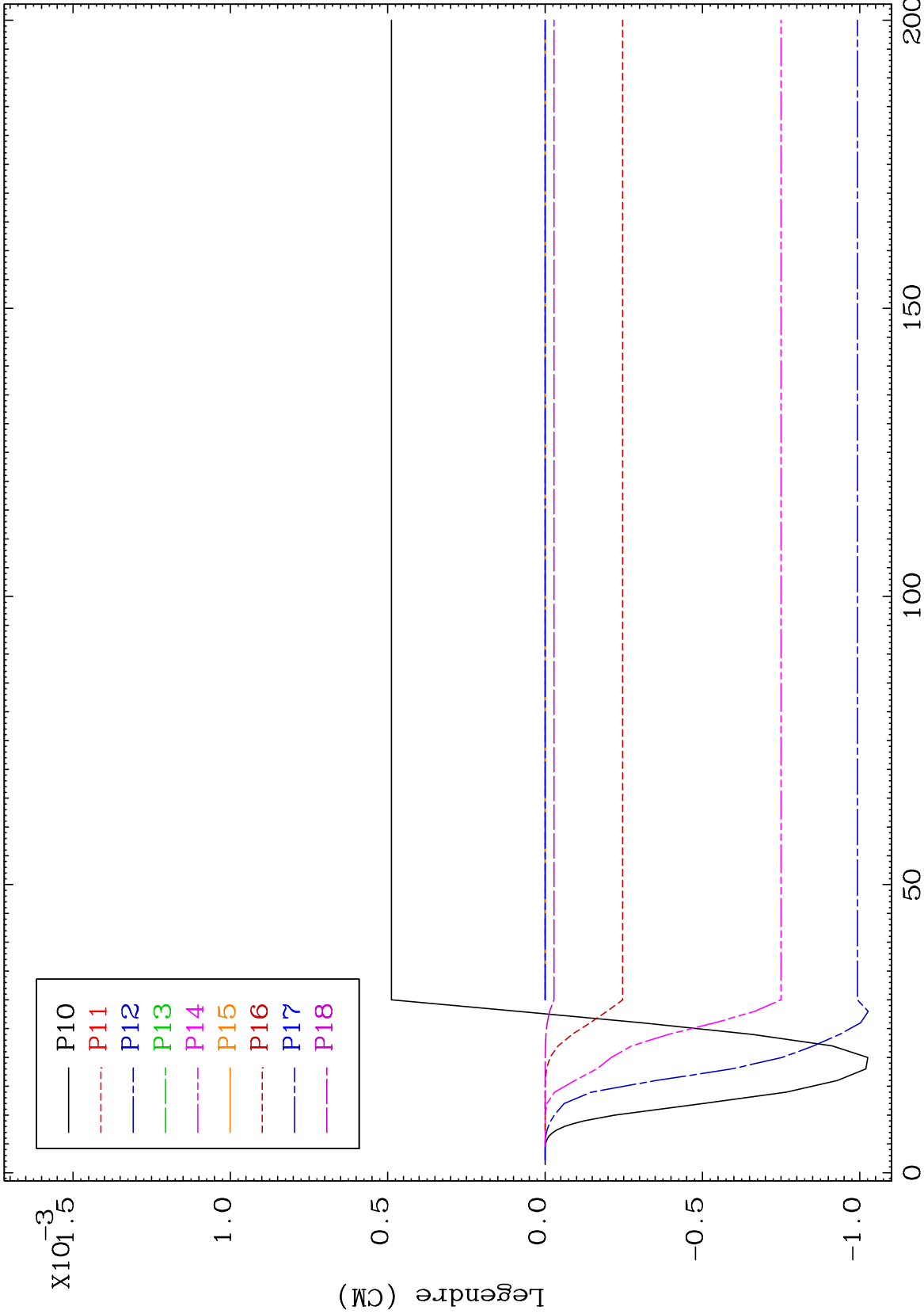
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



62

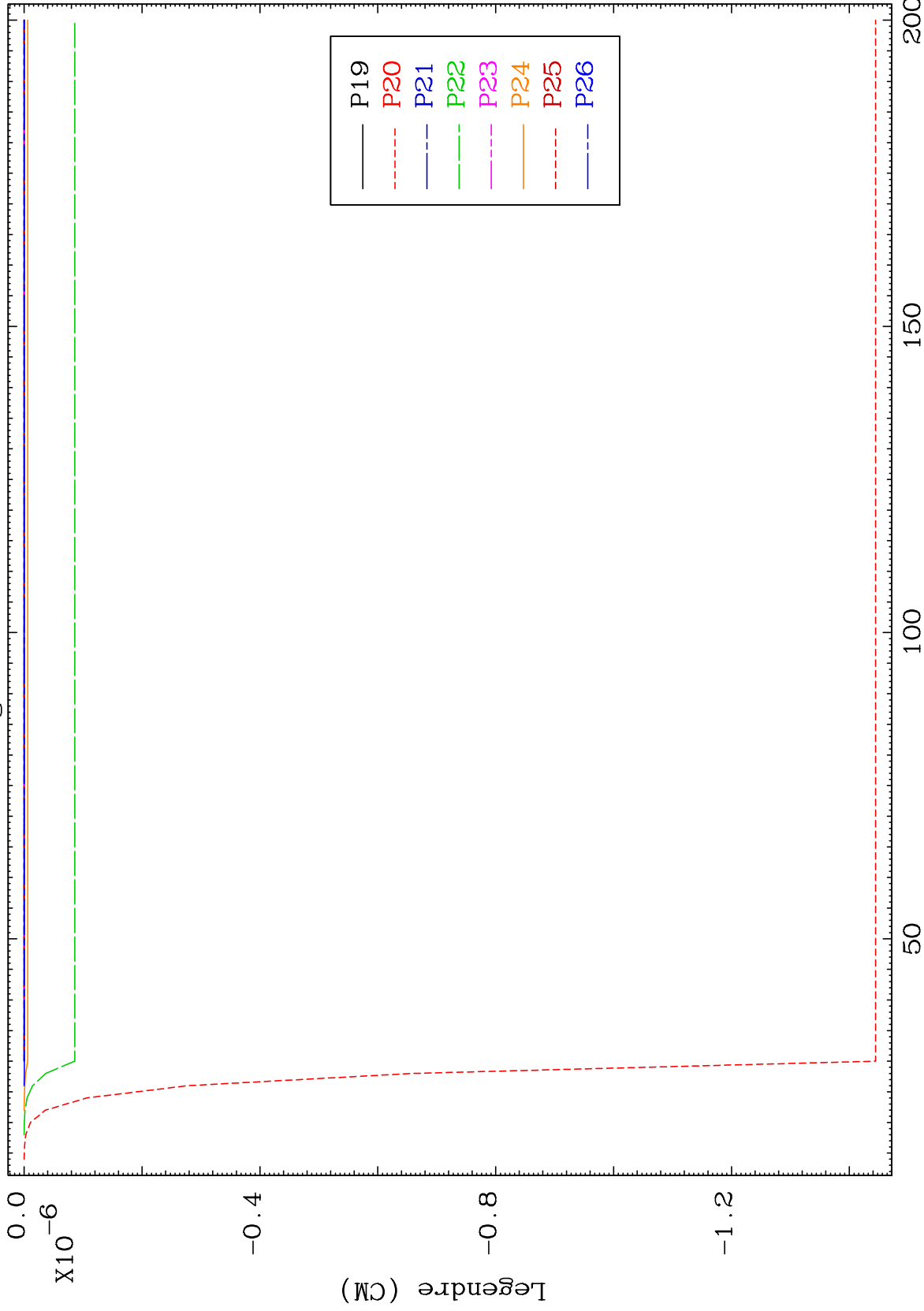
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



63

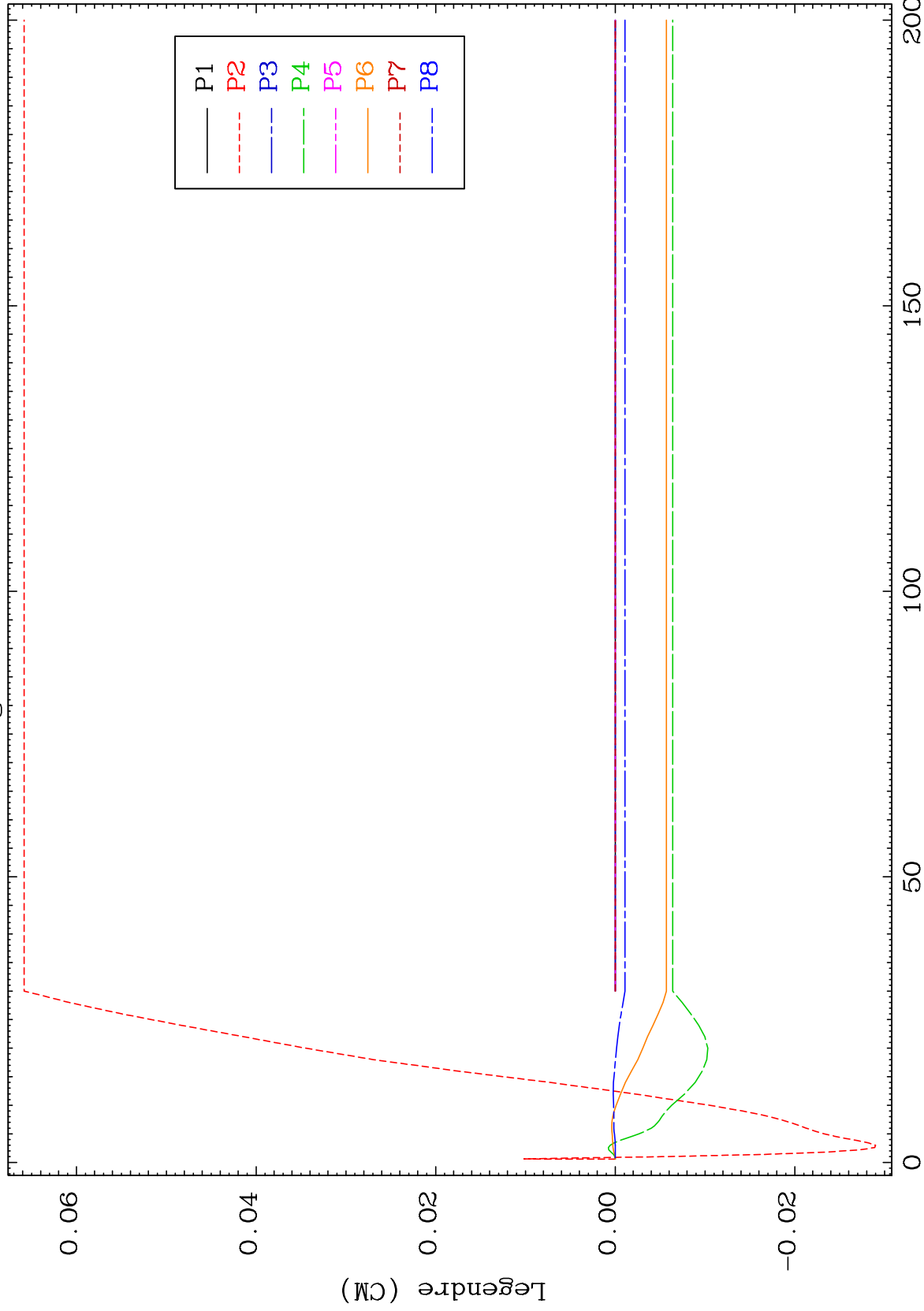
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

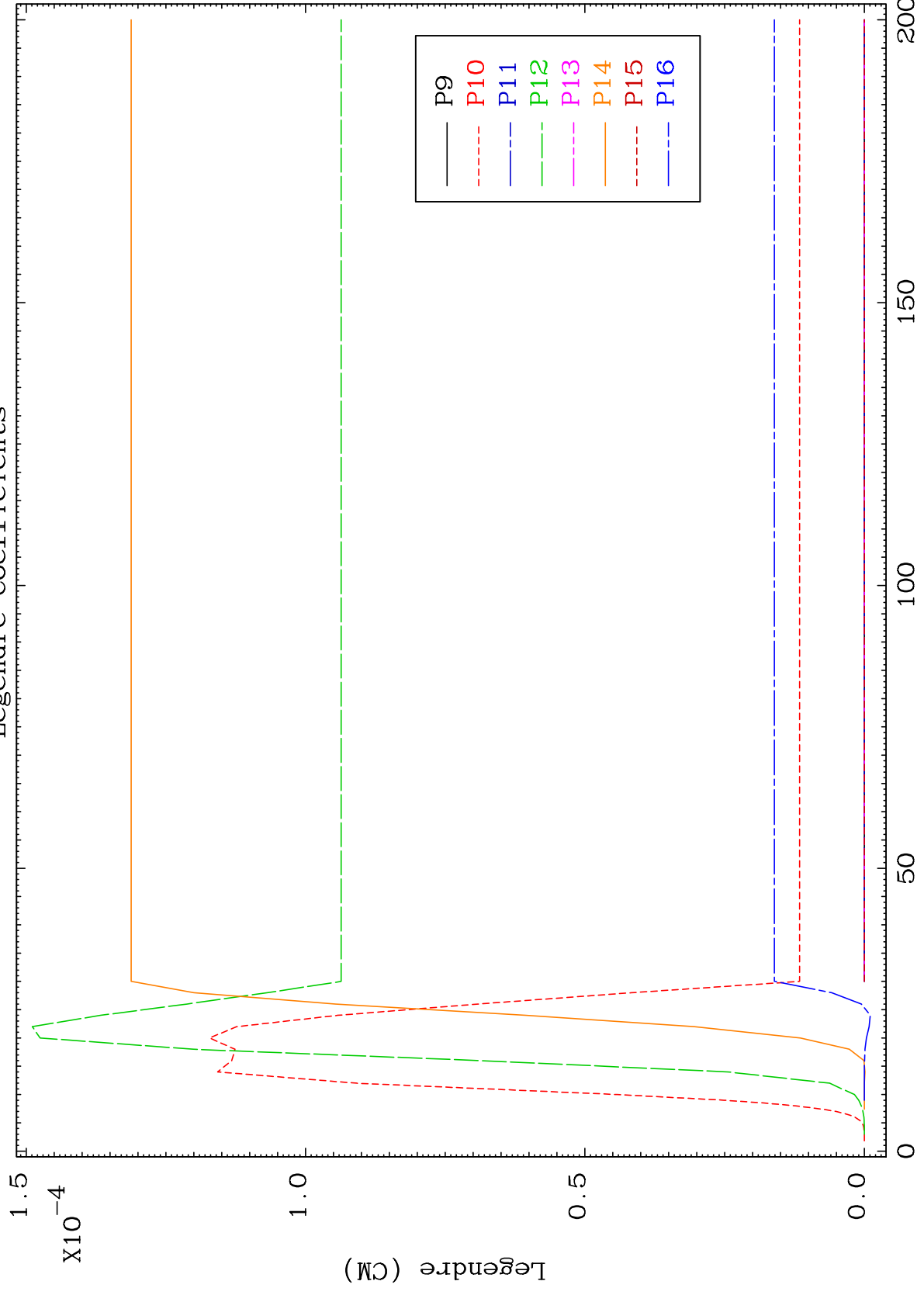


64

Incident Energy (MeV)

44-Ru-103

MAT 4446 MT= 66 (n,n') Level Legendre Coefficients 44-Ru-103

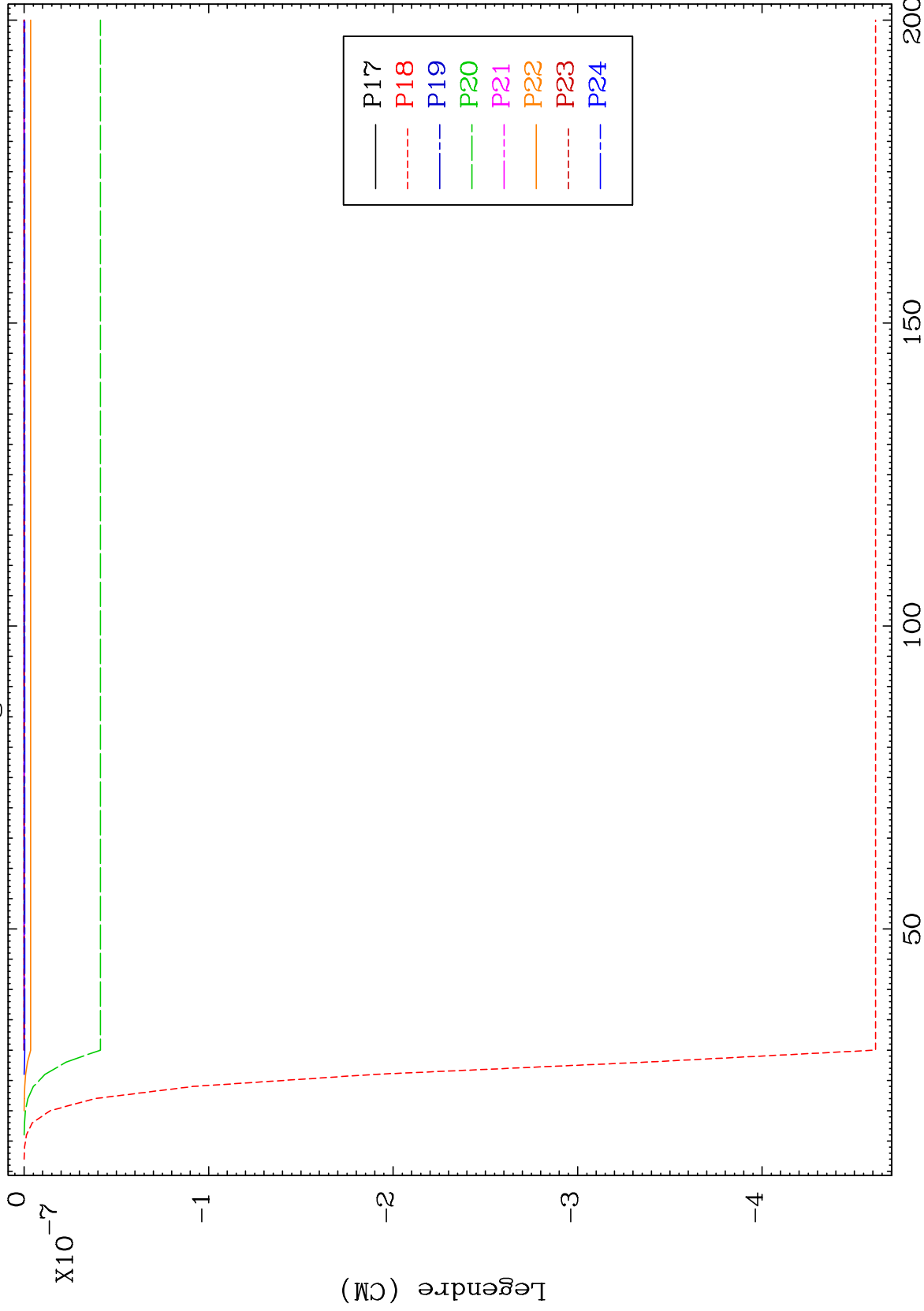


65 Incident Energy (MeV) 44-Ru-103

MAT 4446

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

44-Ru-103



66

Incident Energy (MeV)

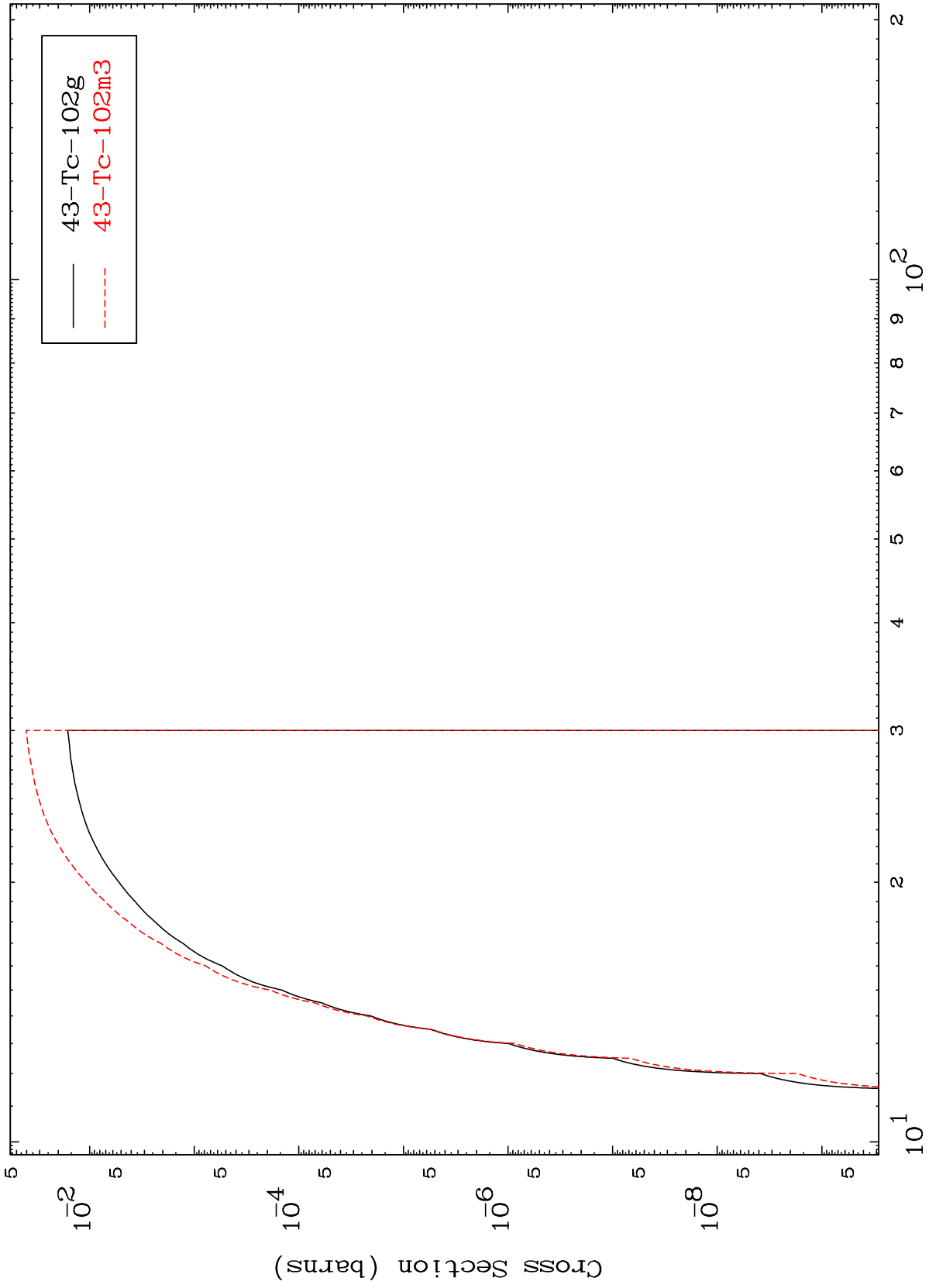
44-Ru-103

MAT 4446

(n,n') p

44-Ru-103

Radionuclide Production Cross Section



67

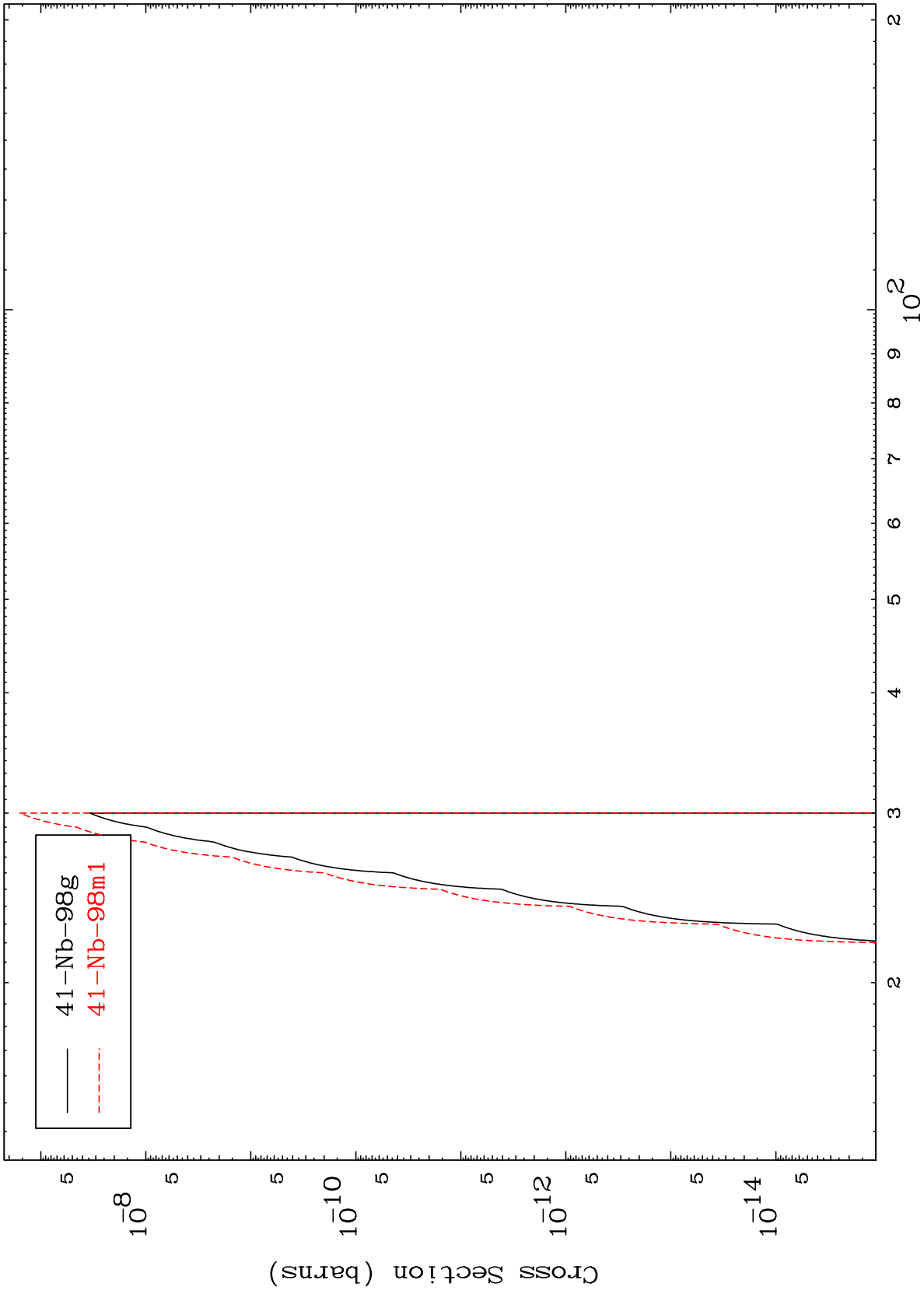
Incident Energy (MeV)

44-Ru-103

MAT 4446

44-Ru-103

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



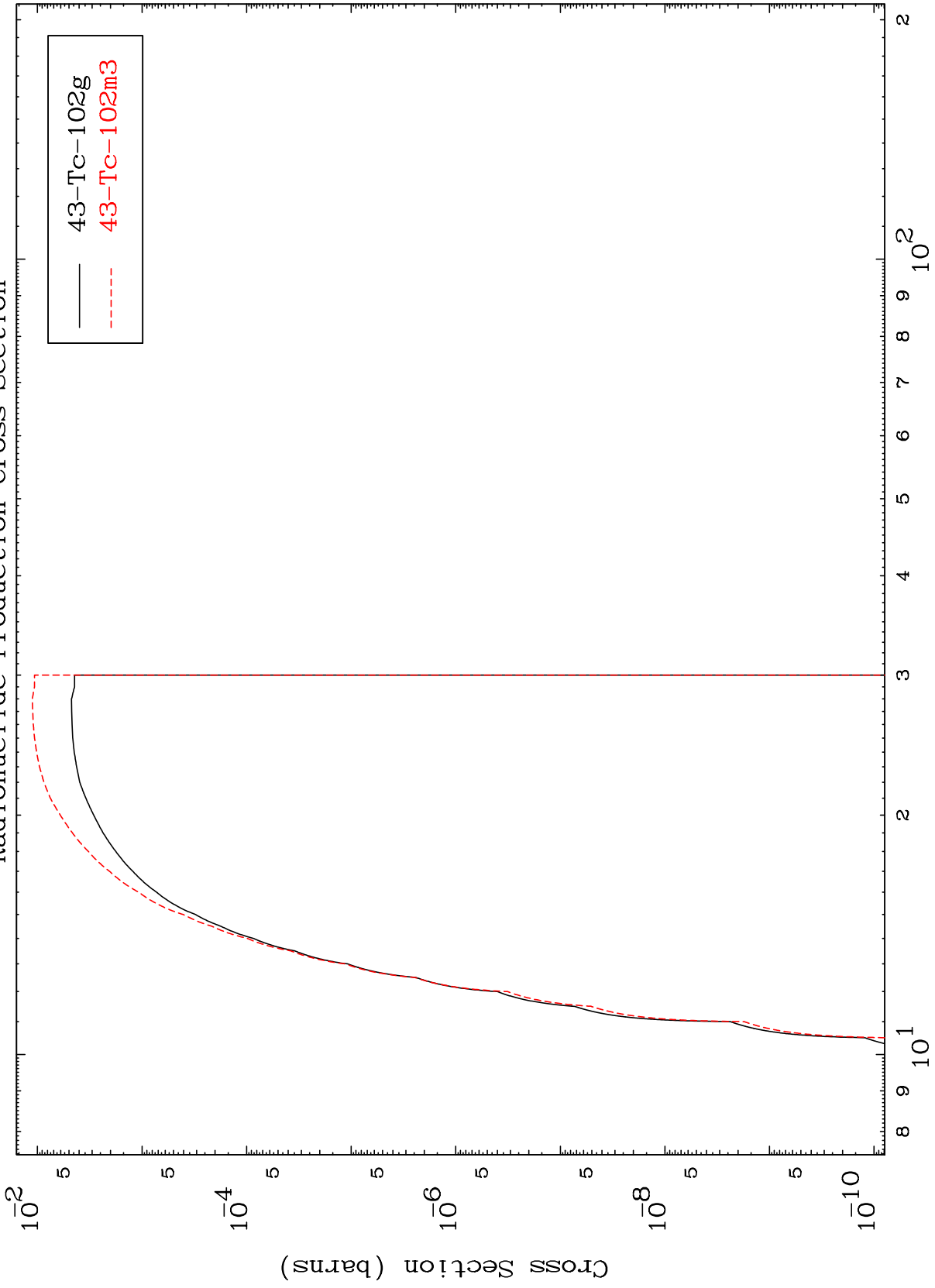
68

44-Ru-103

MAT 4446

44-Ru-103

(n,d)  
Radionuclide Production Cross Section



69

Incident Energy (MeV)

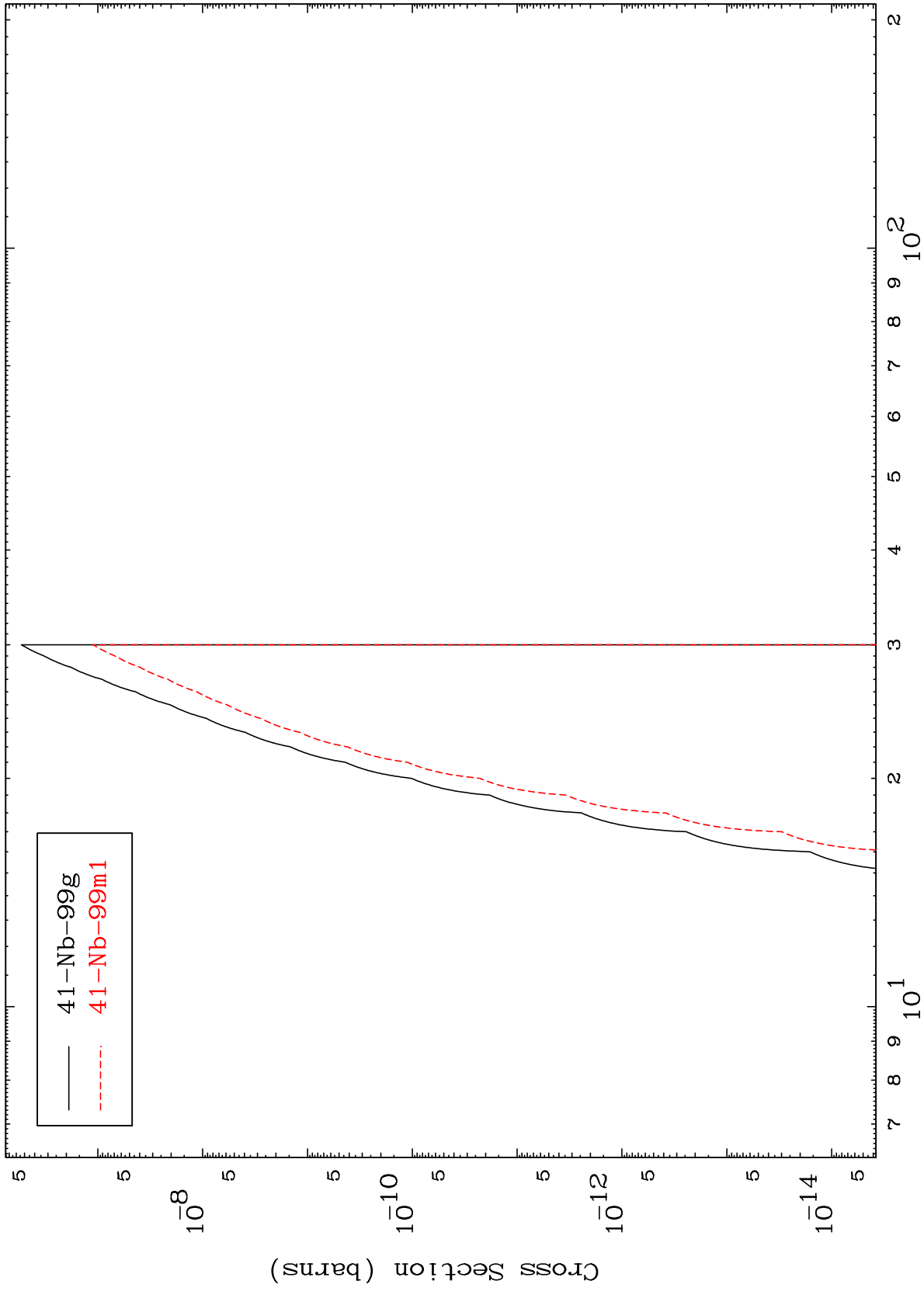
44-Ru-103

MAT 4446

(n,p)  $\alpha$

44-Ru-103

Radionuclide Production Cross Section



70

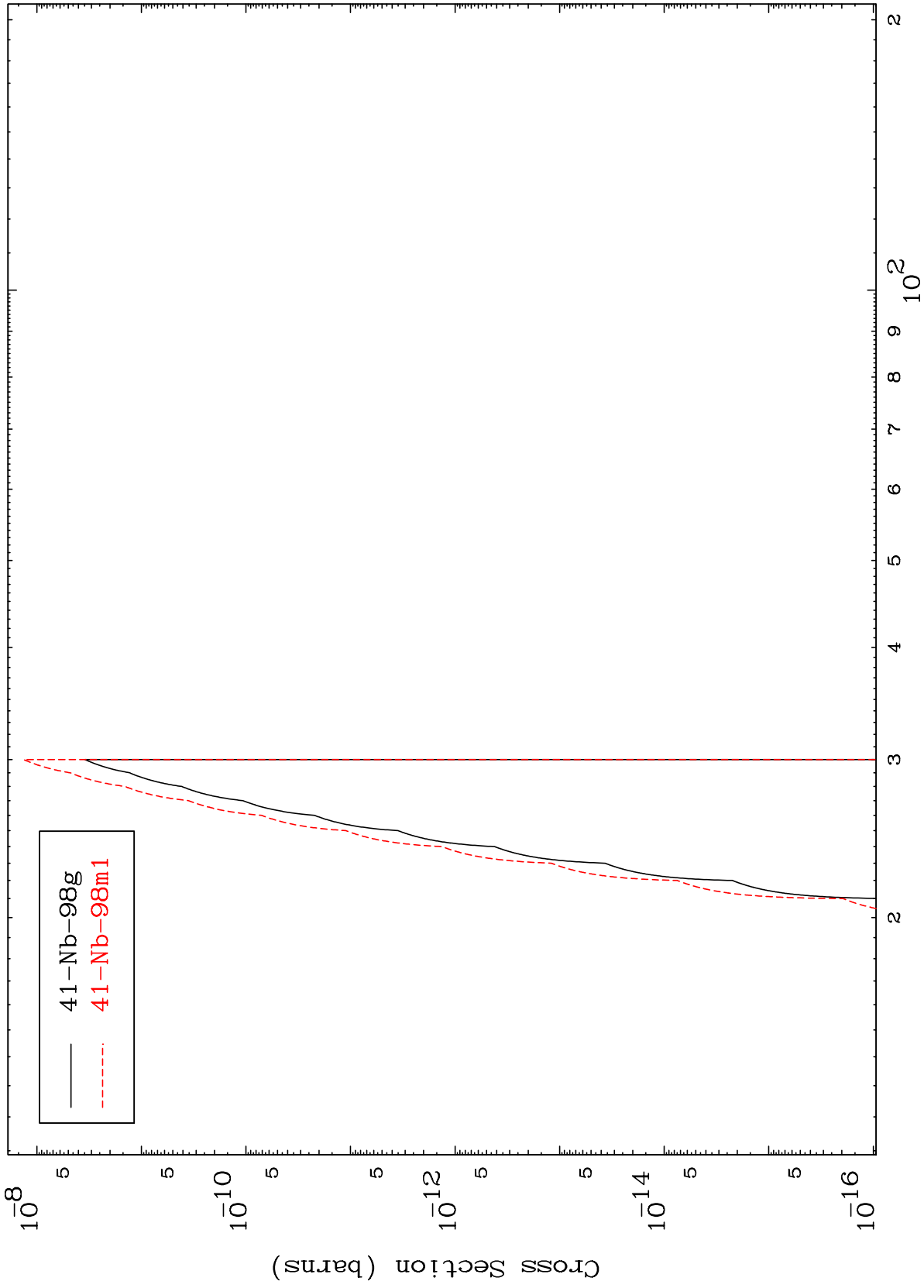
44-Ru-103

MAT 4446

(n,d)  $\alpha$

44-Ru-103

Radionuclide Production Cross Section



71

Incident Energy (MeV)

44-Ru-103