

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

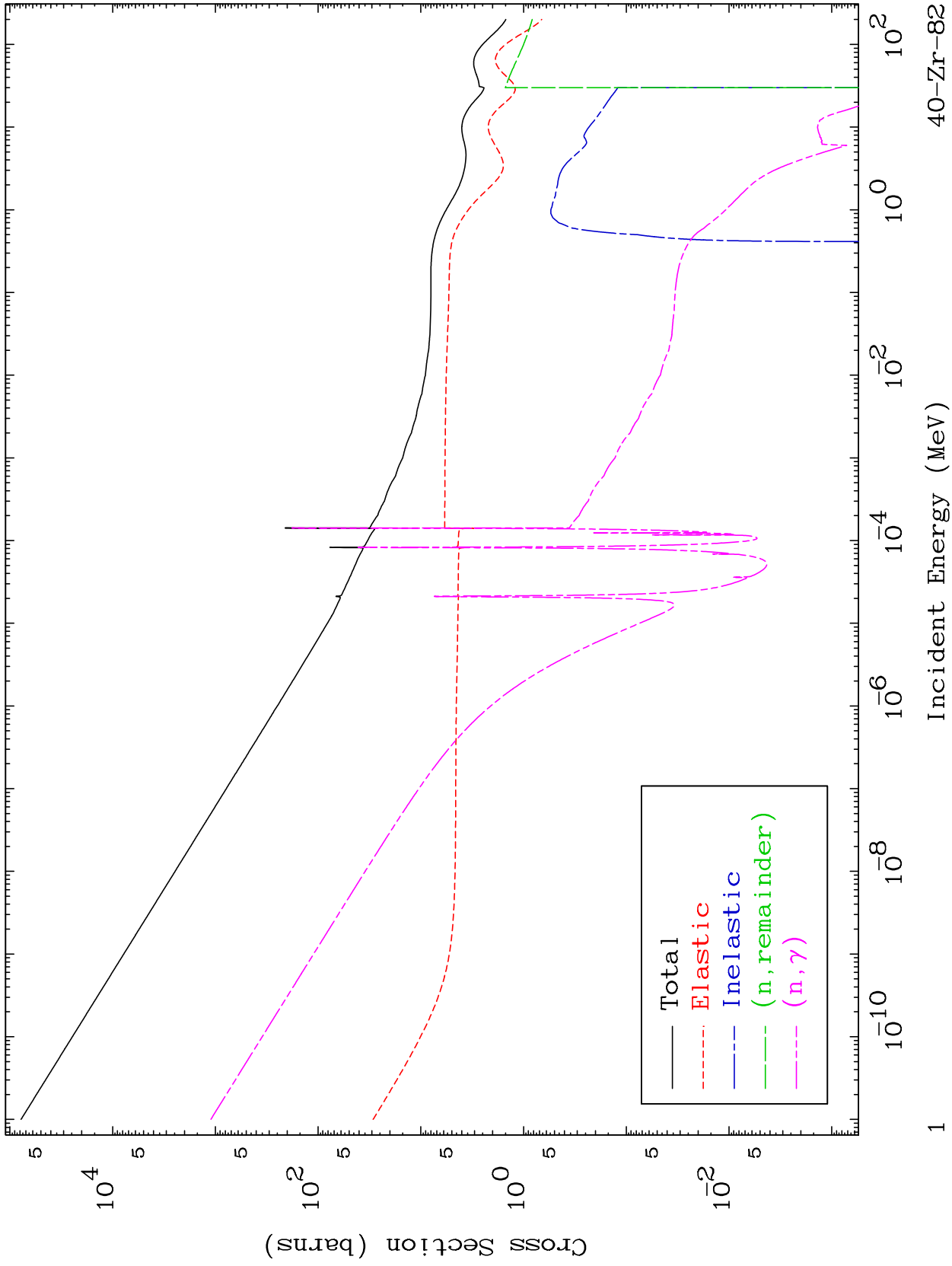
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4001

Major  
293 Kelvin Cross Sections

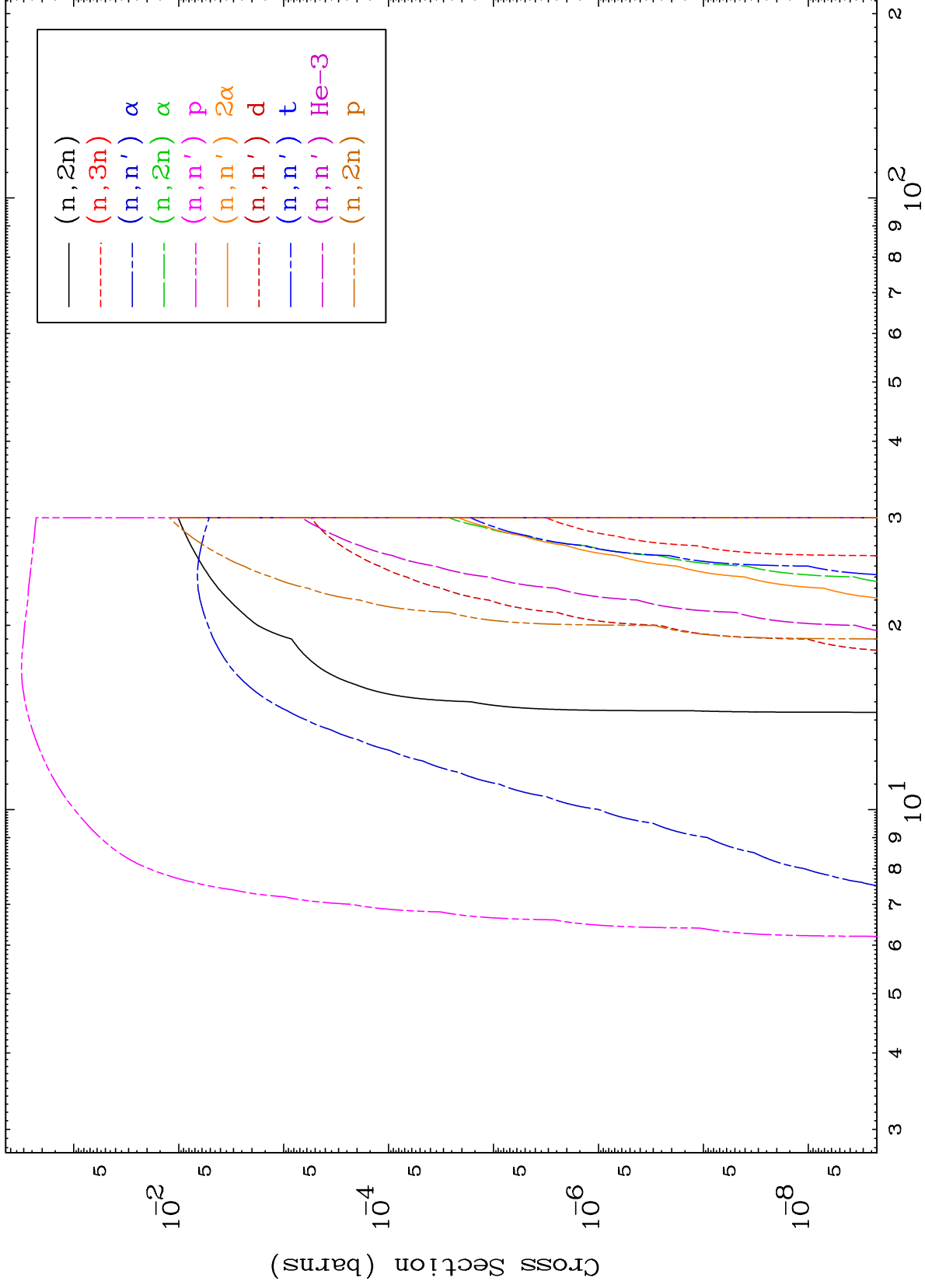
40-Zr-82



MAT 4001

### Neutron Production 293 Kelvin Cross Sections

40-Zr-82



2

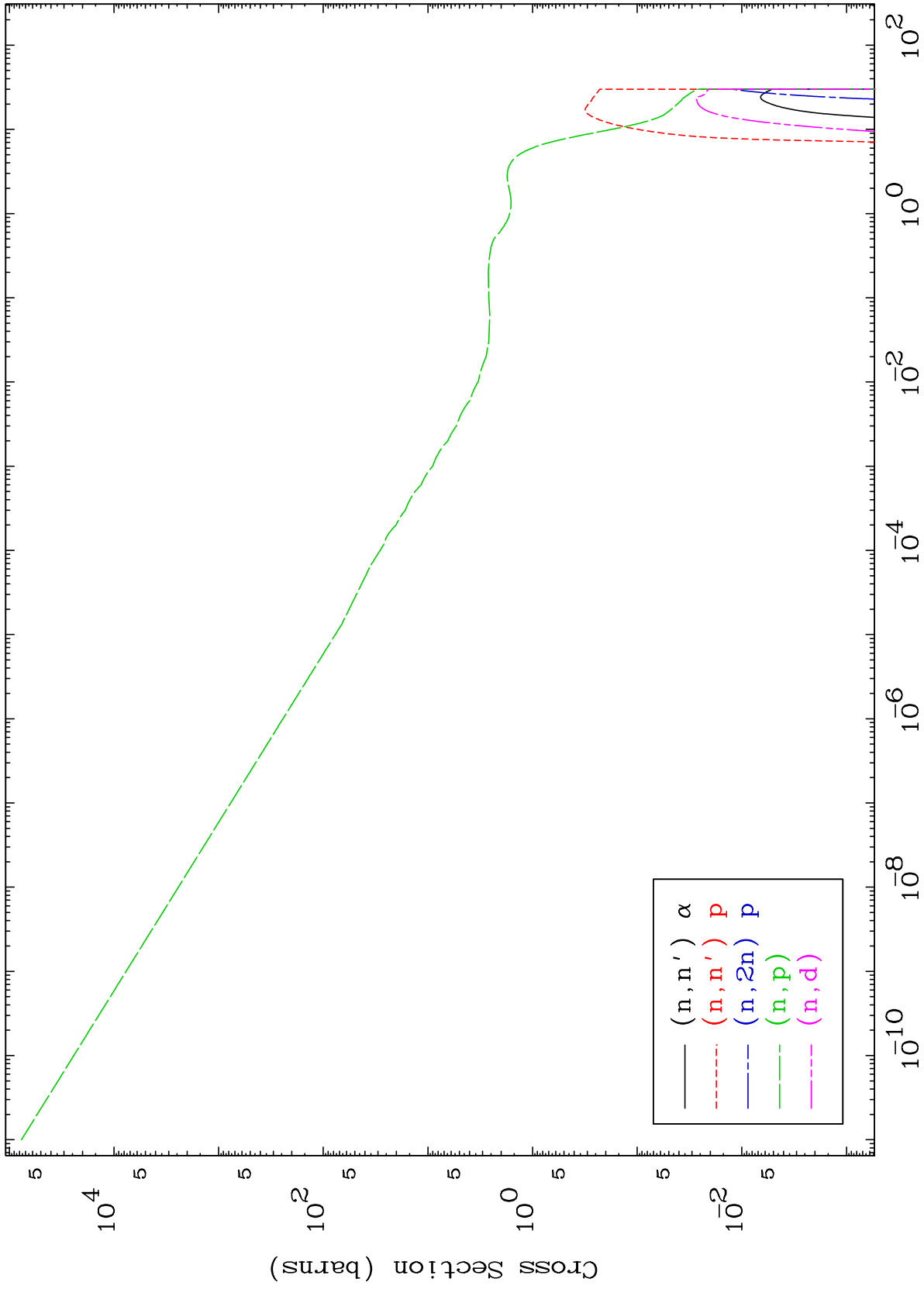
Incident Energy (MeV)

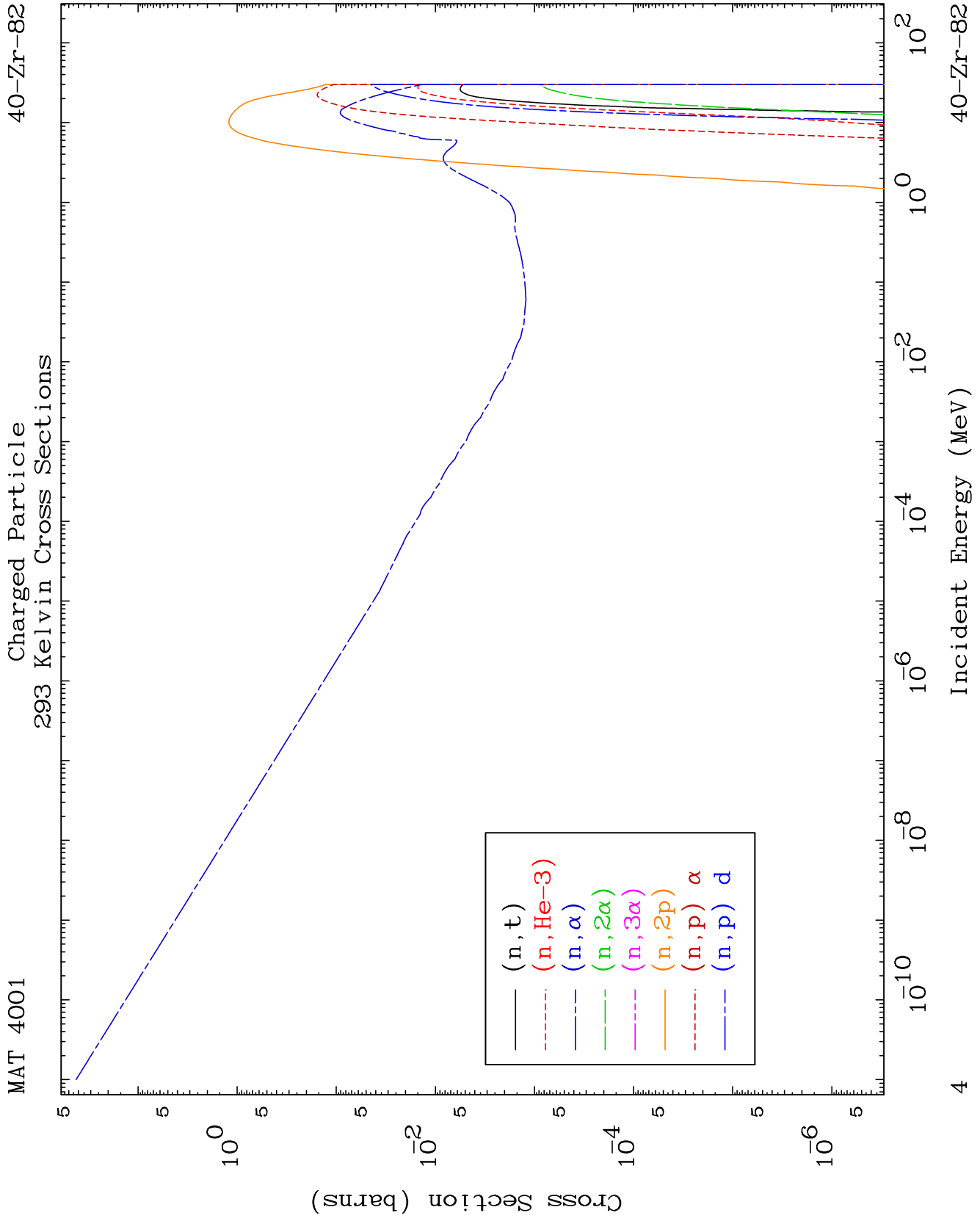
40-Zr-82

MAT 4001

293 Charged Particle  
Kelvin Cross Sections

40-Zr-82

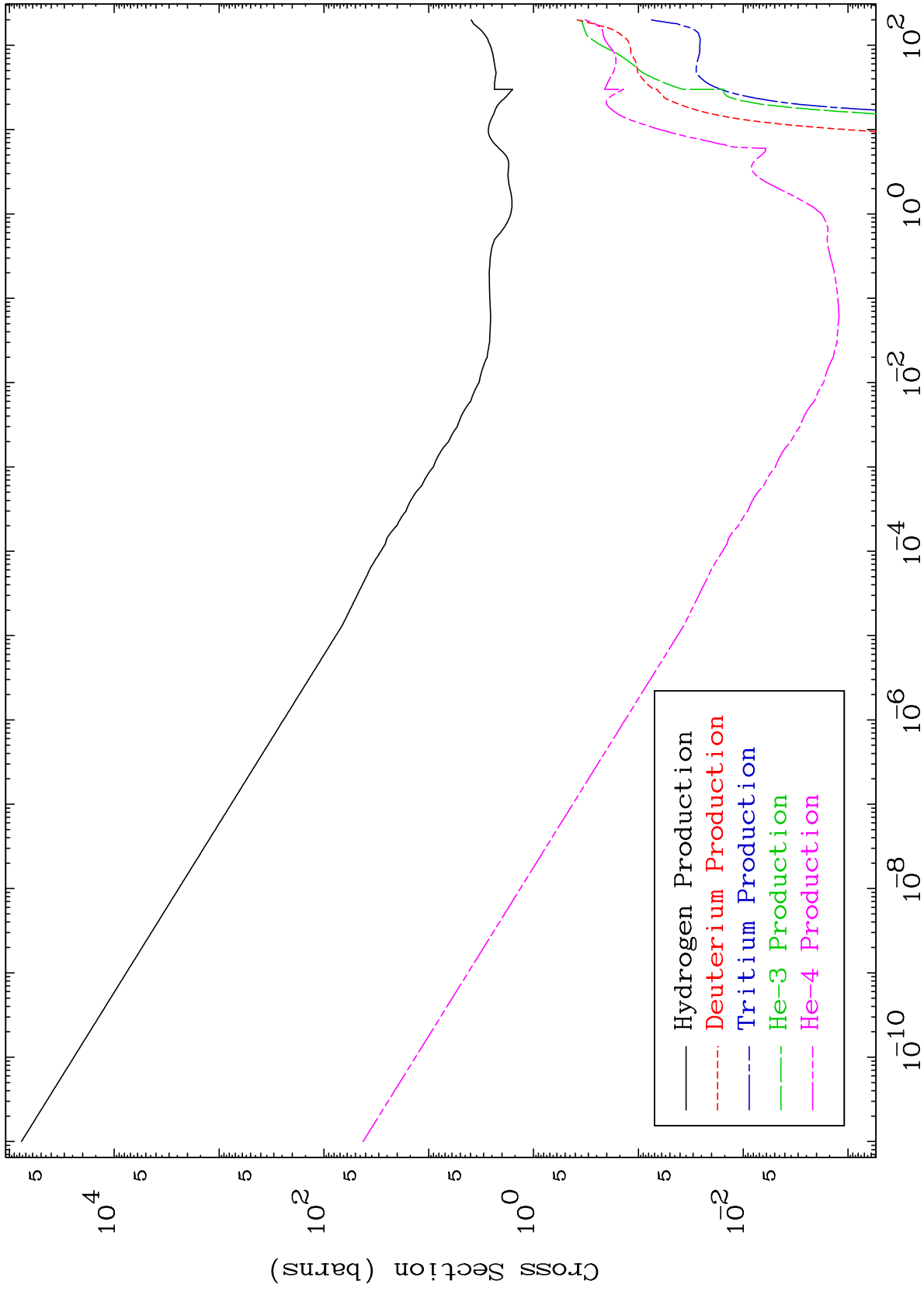




MAT 4001

Particle Production  
293 Kelvin Cross Sections

40-Zr-82



5

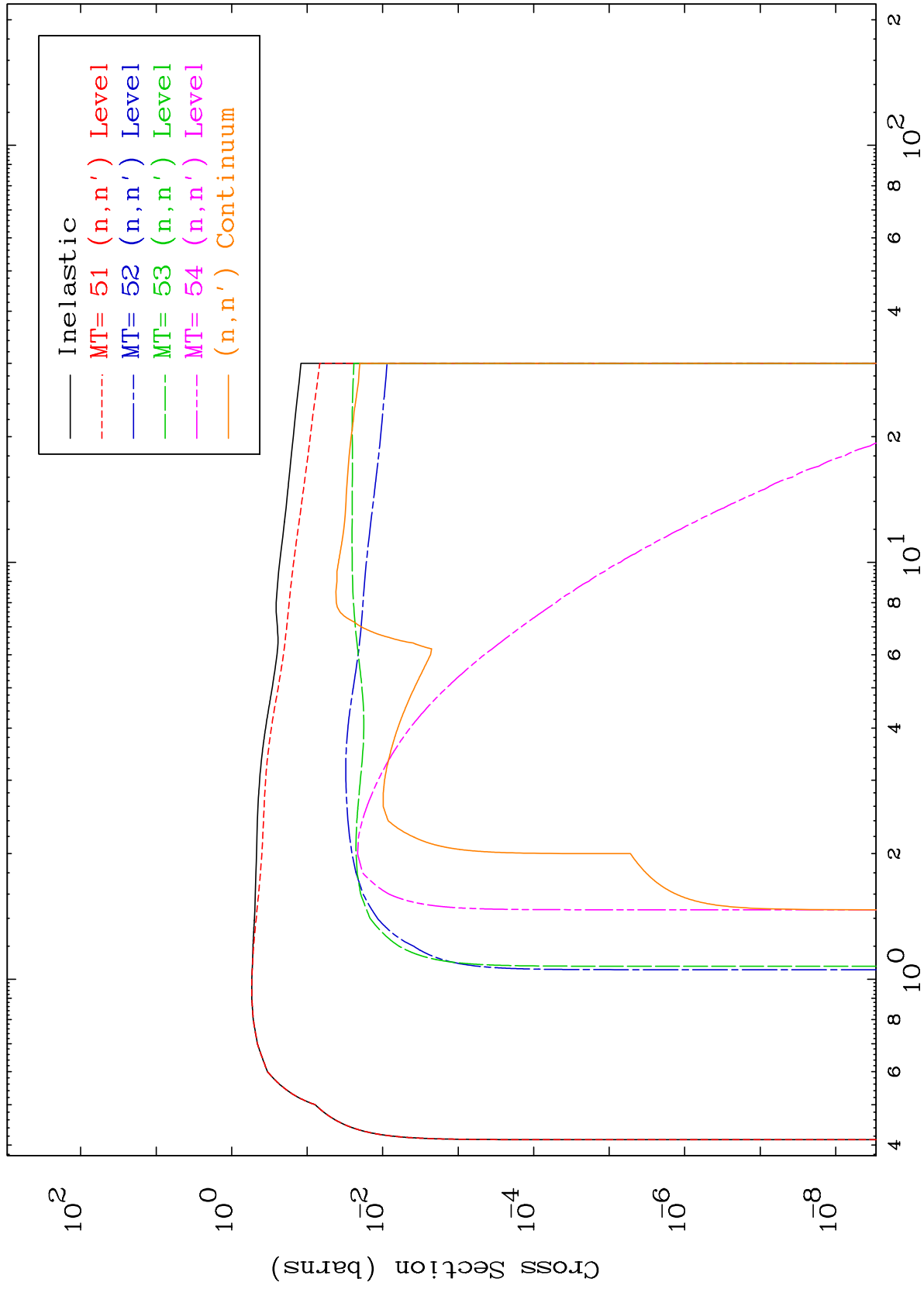
40-Zr-82

MAT 4001

(n,n') Level

40-Zr-82

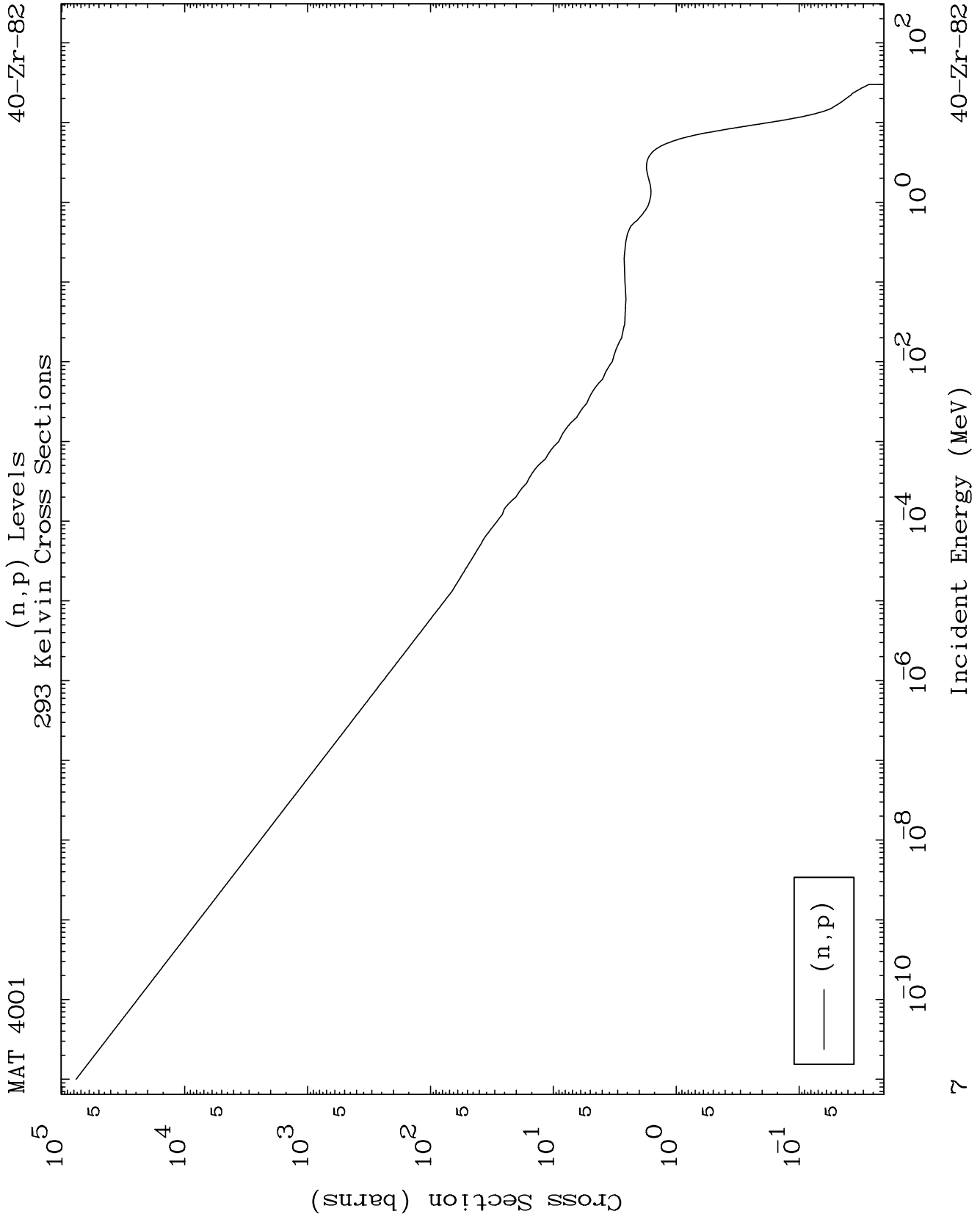
293 Kelvin Cross Sections



6

Incident Energy (MeV)

40-Zr-82

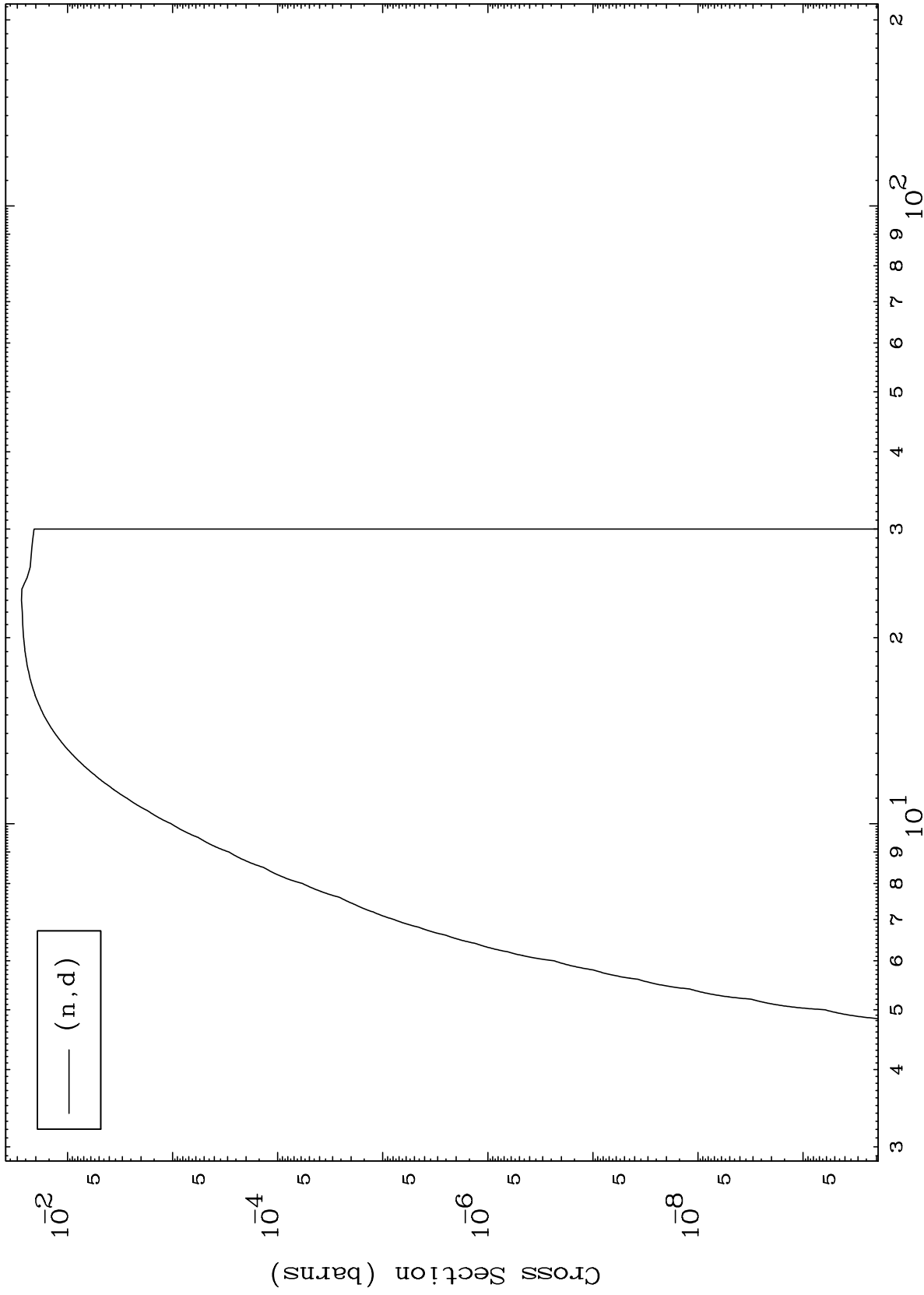




MAT 4001

(n,d) Levels  
293 Kelvin Cross Sections

40-Zr-82



8

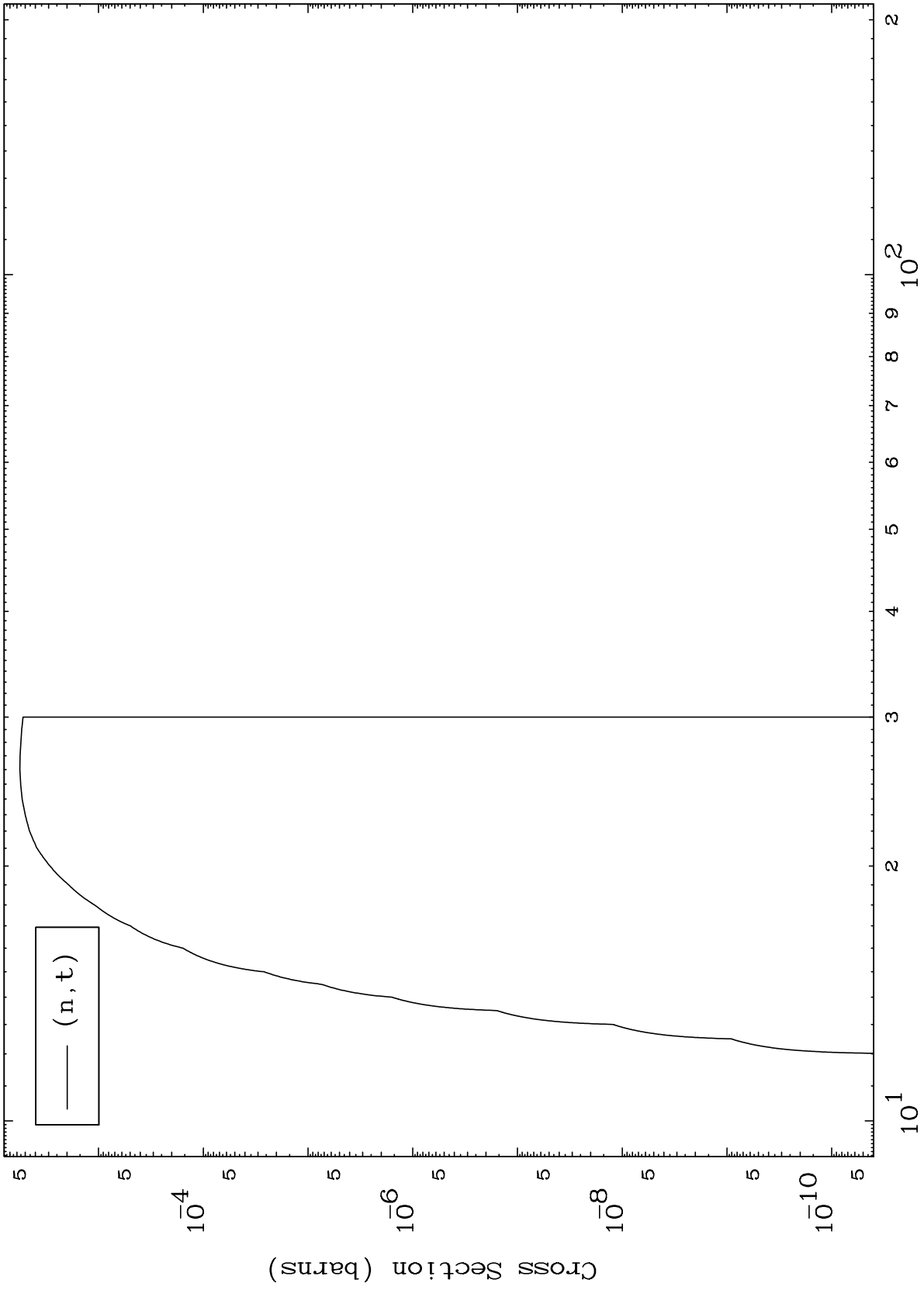
Incident Energy (MeV)

40-Zr-82

MAT 4001

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-82



9

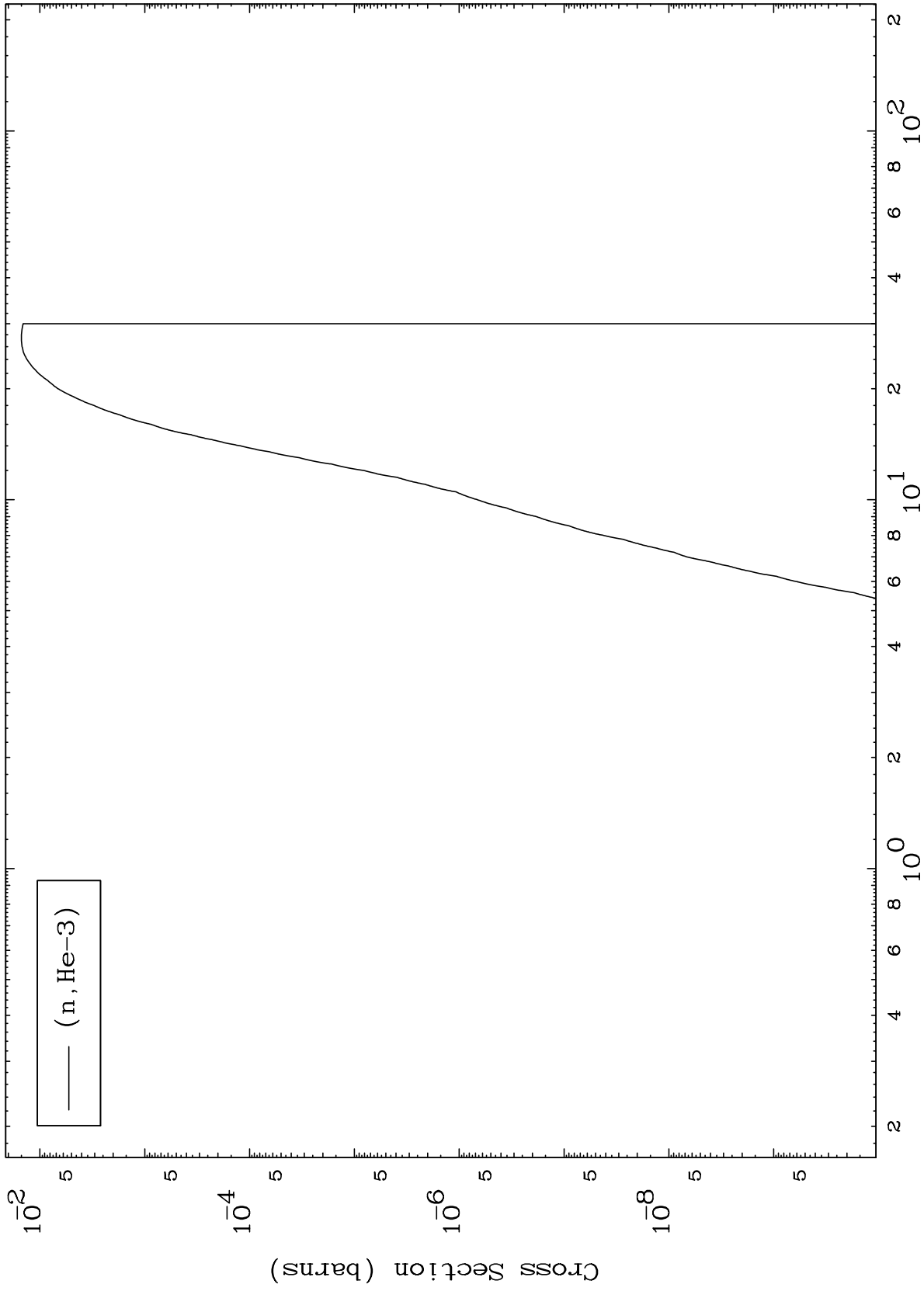
Incident Energy (MeV)

40-Zr-82

MAT 4001

(n,He3) Levels  
293 Kelvin Cross Sections

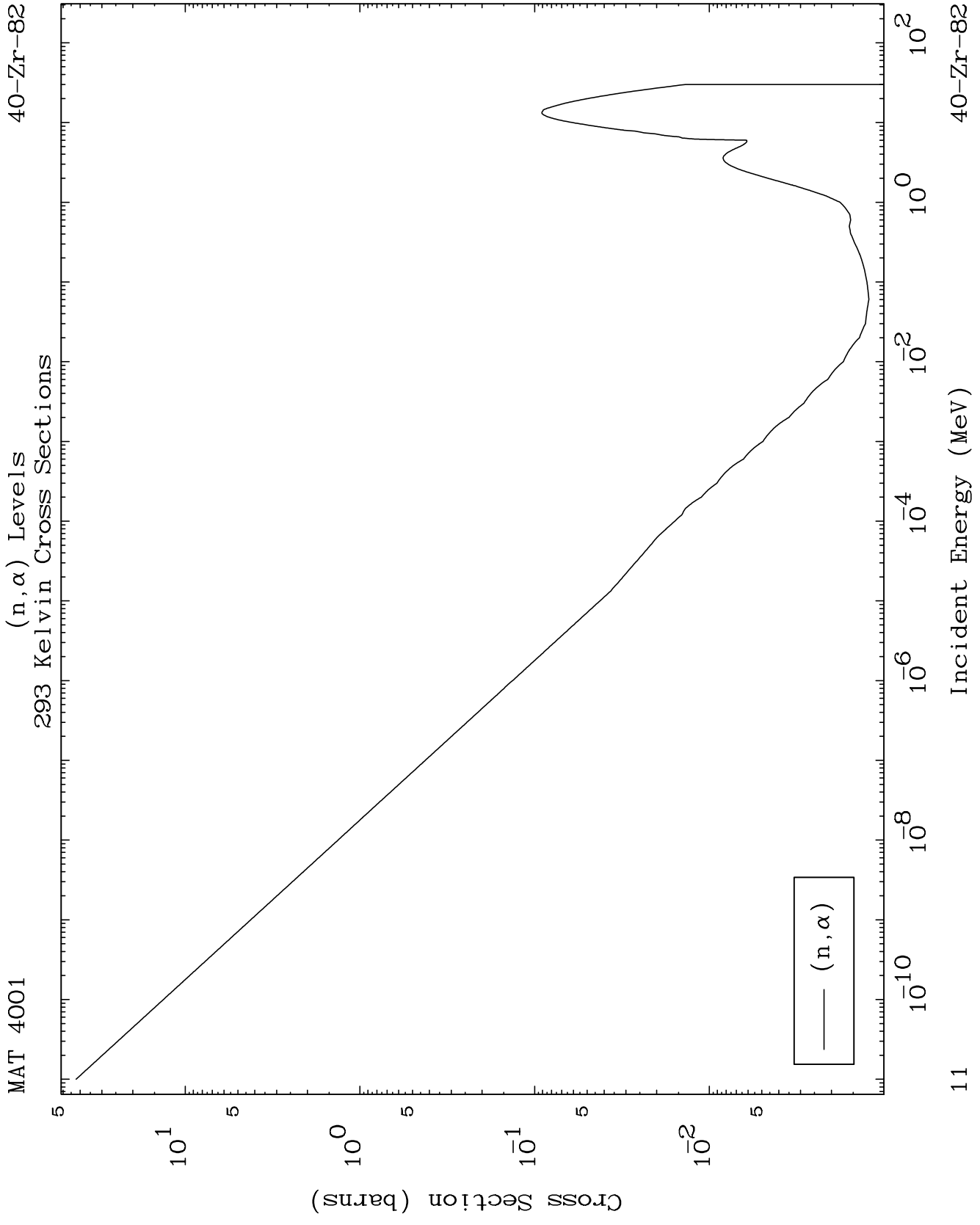
40-Zr-82

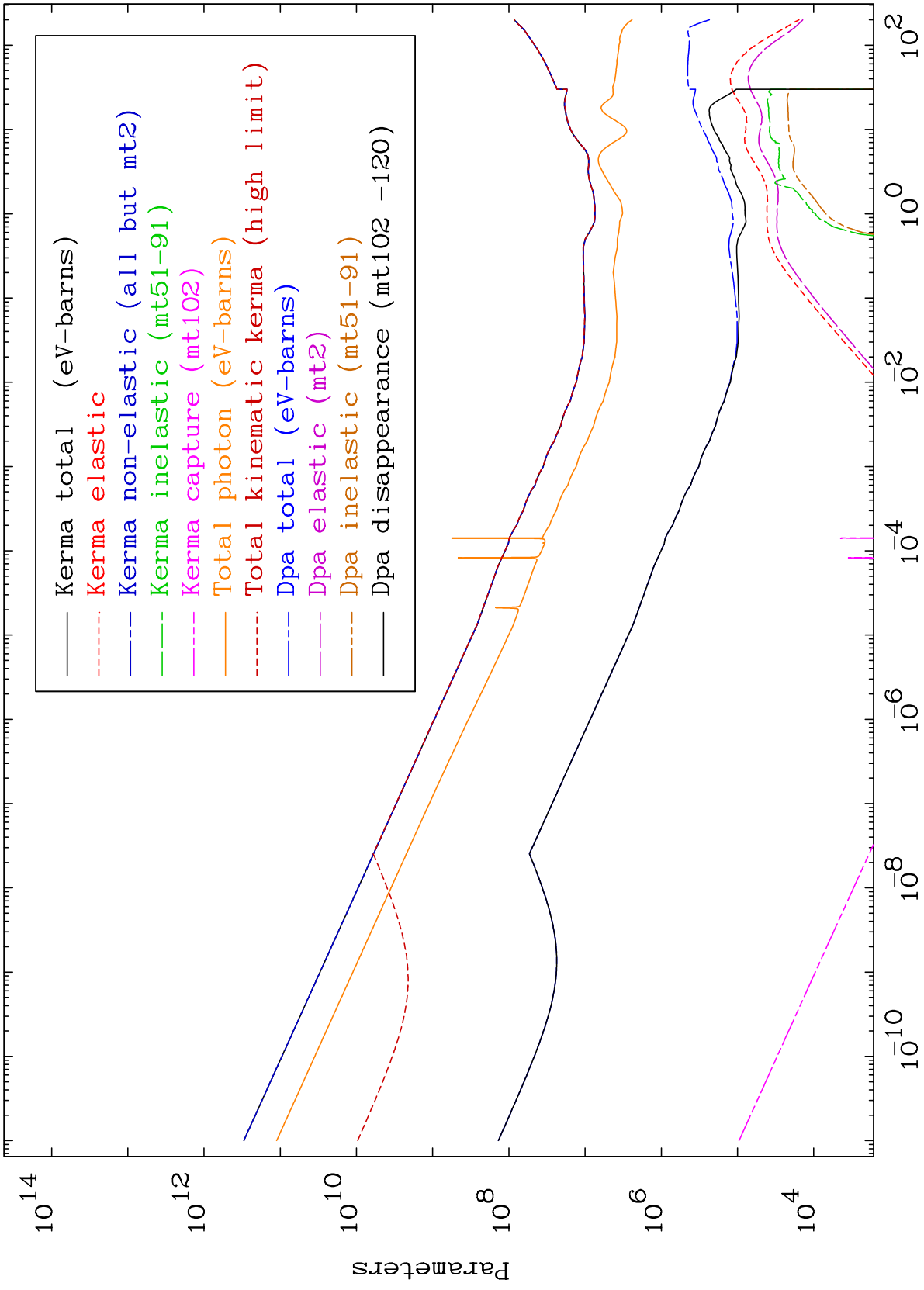


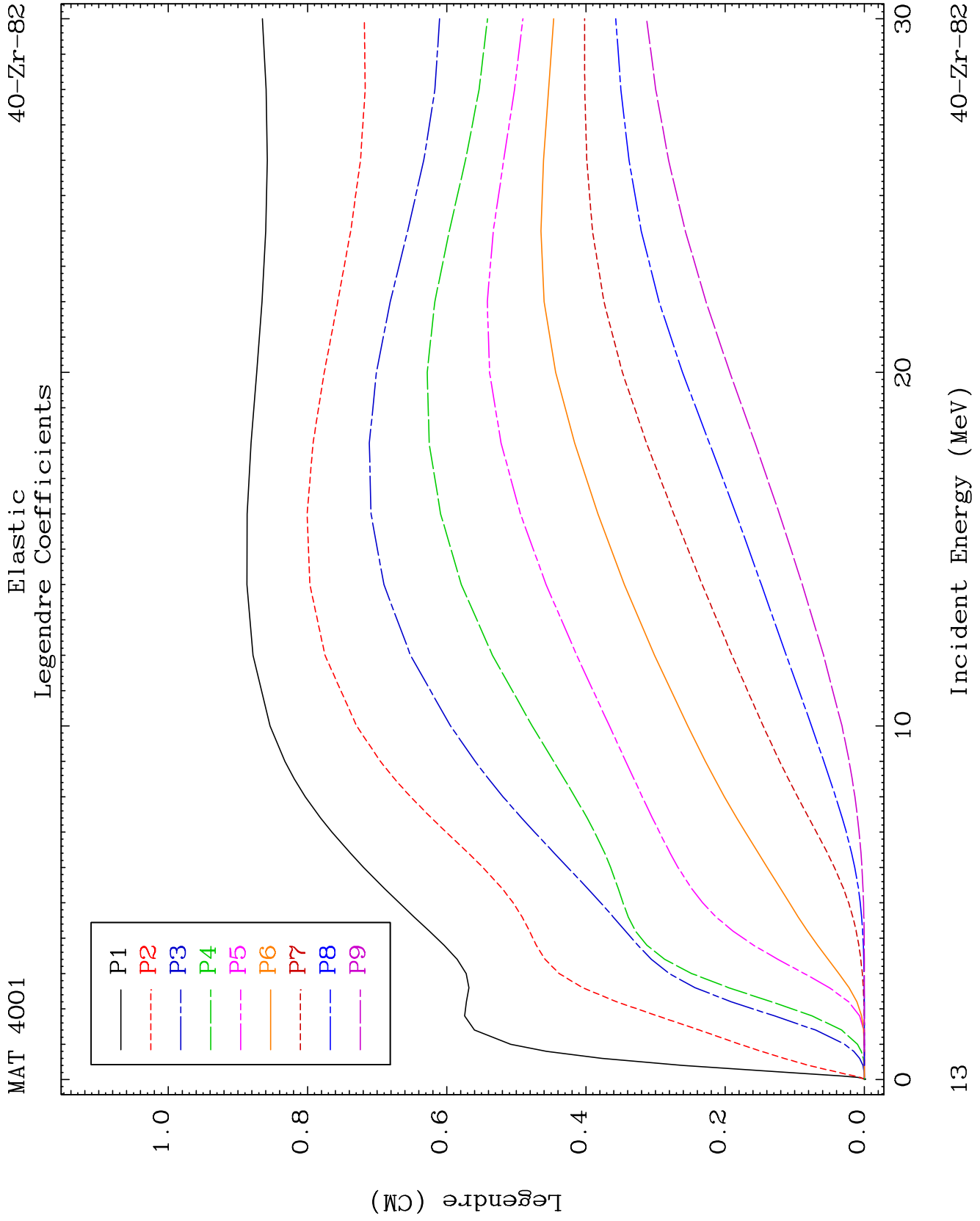
10

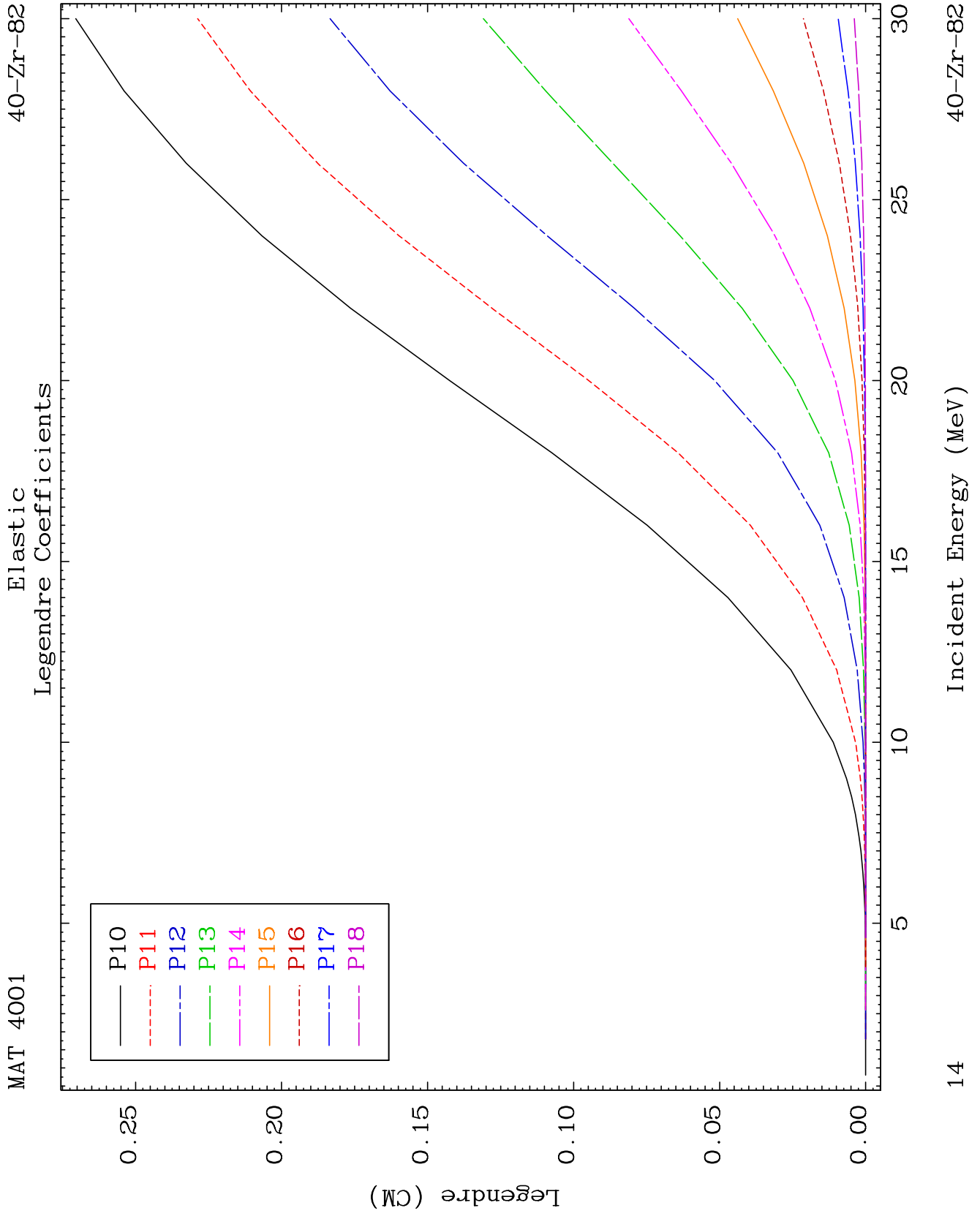
Incident Energy (MeV)

40-Zr-82





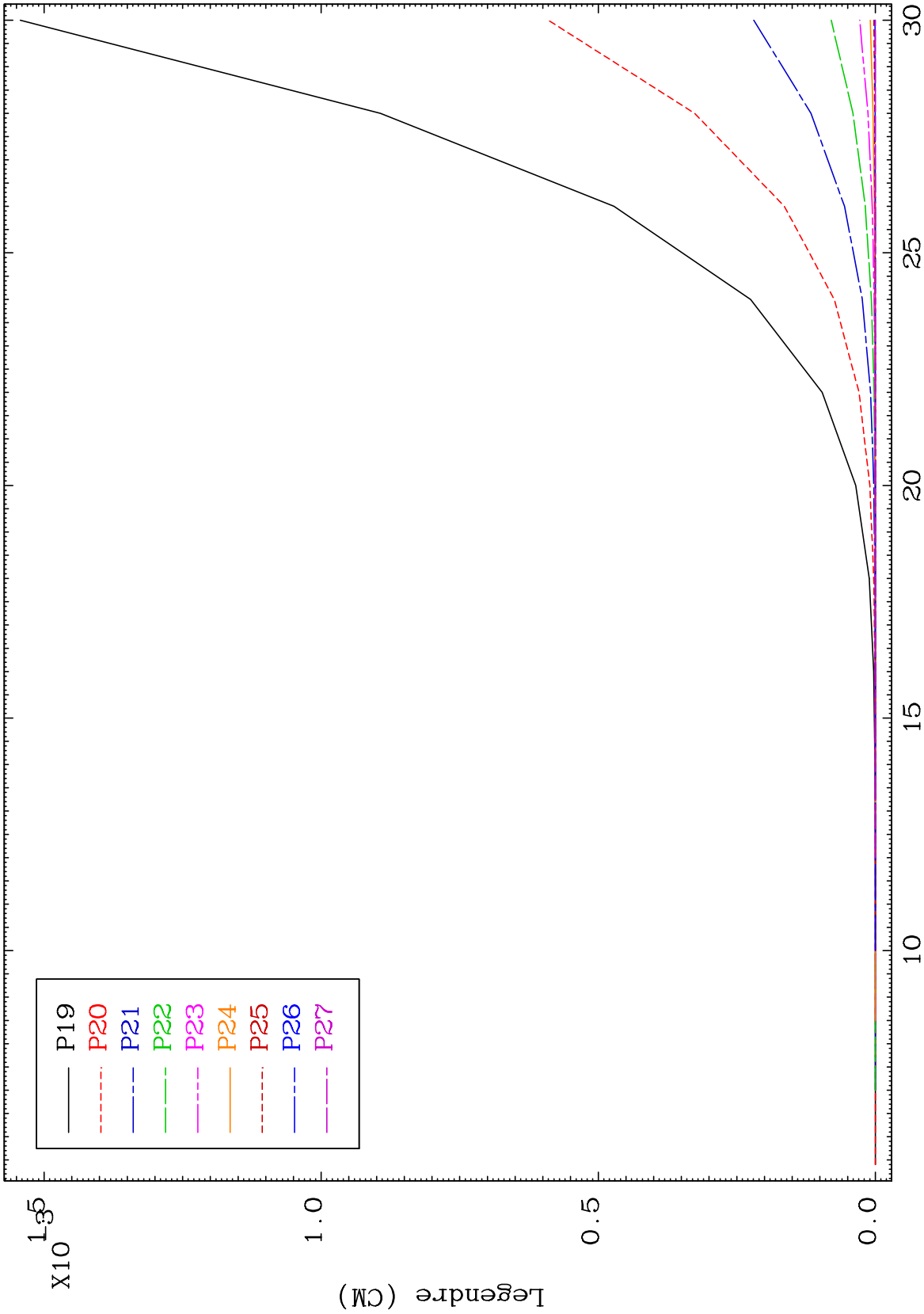




MAT 4001

Elastic Legendre Coefficients

40-Zr-82

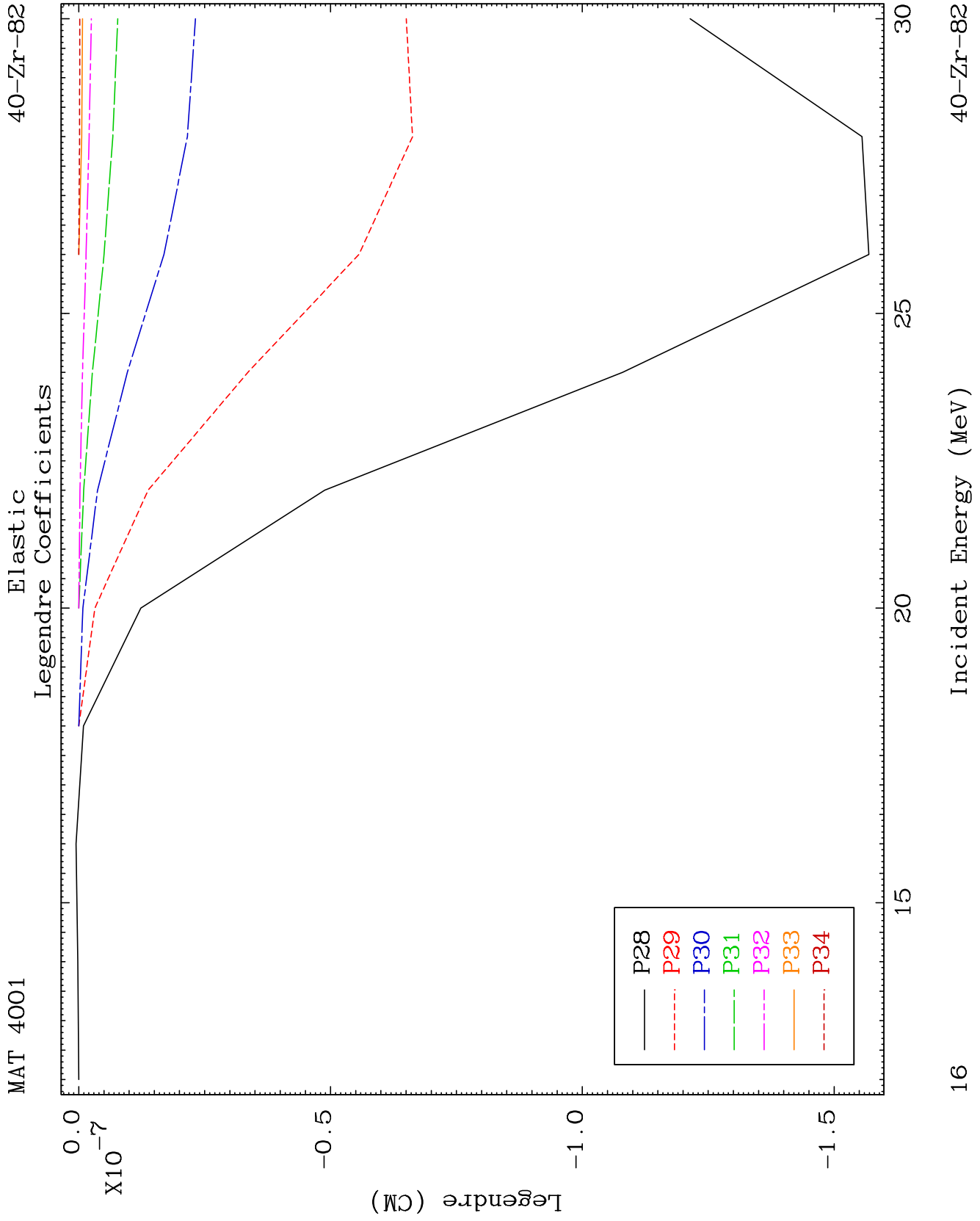


15

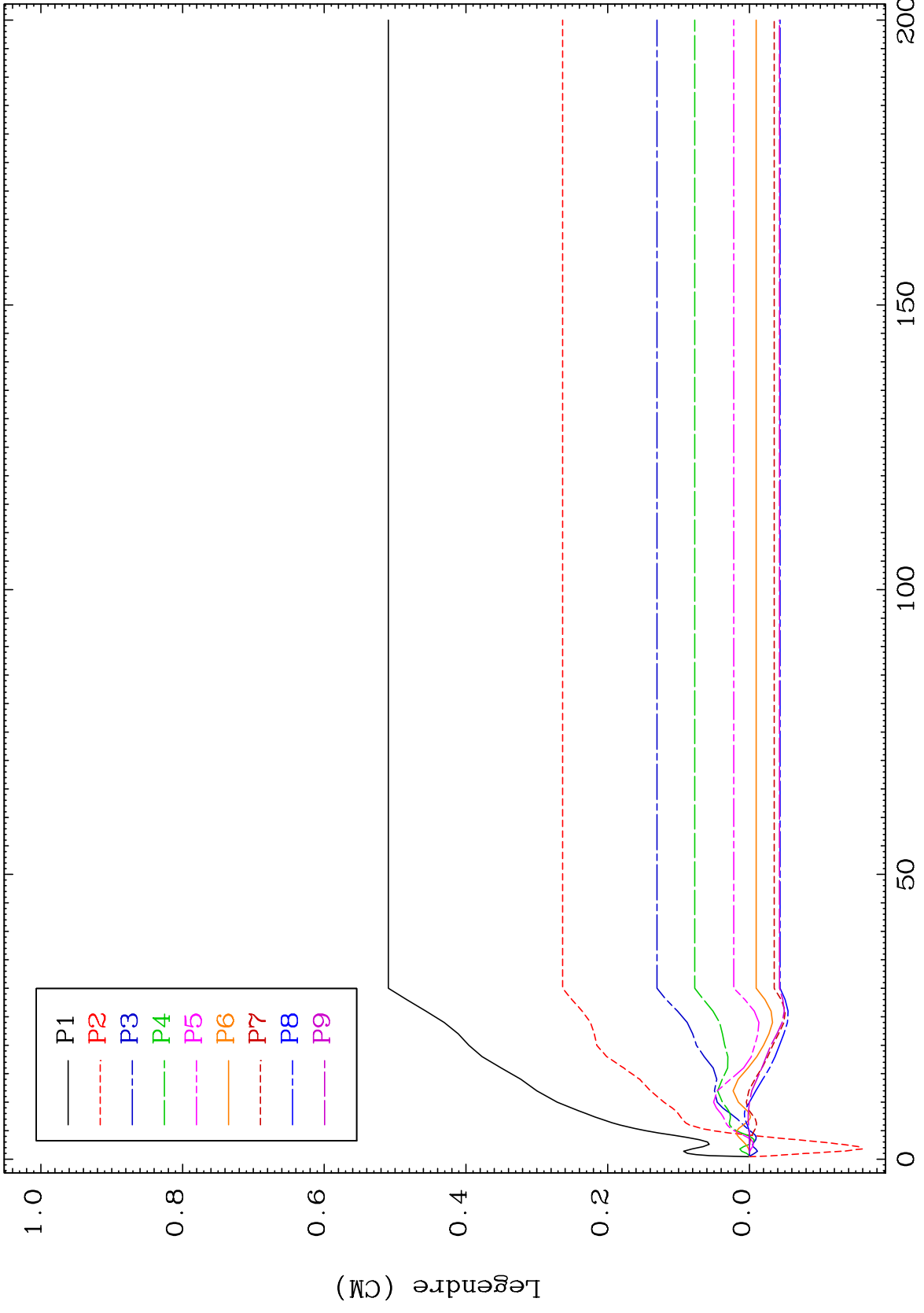
Incident Energy (MeV)

40-Zr-82





MAT 4001 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-82

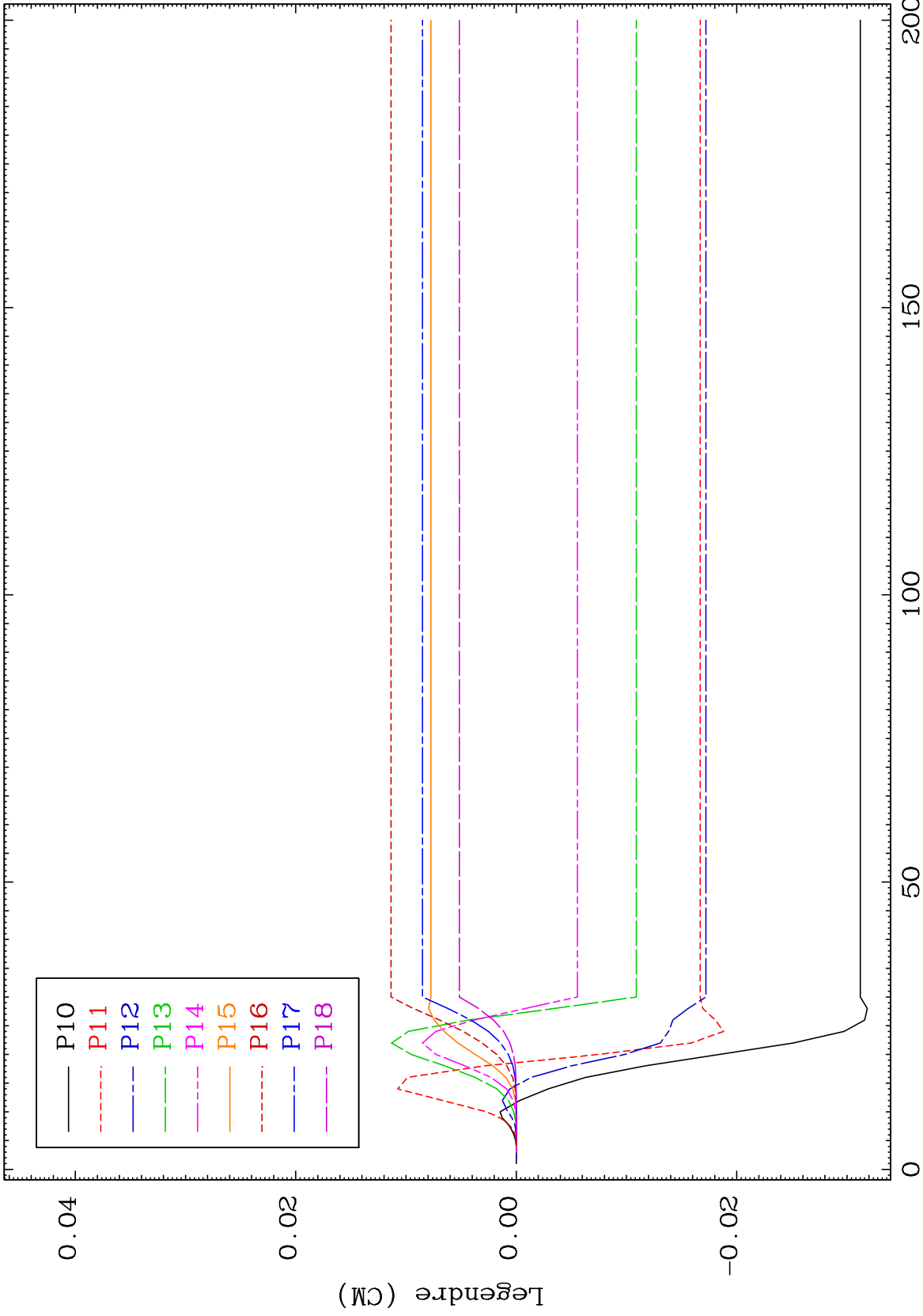


17 40-Zr-82

MAT 4001

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

40-Zr-82

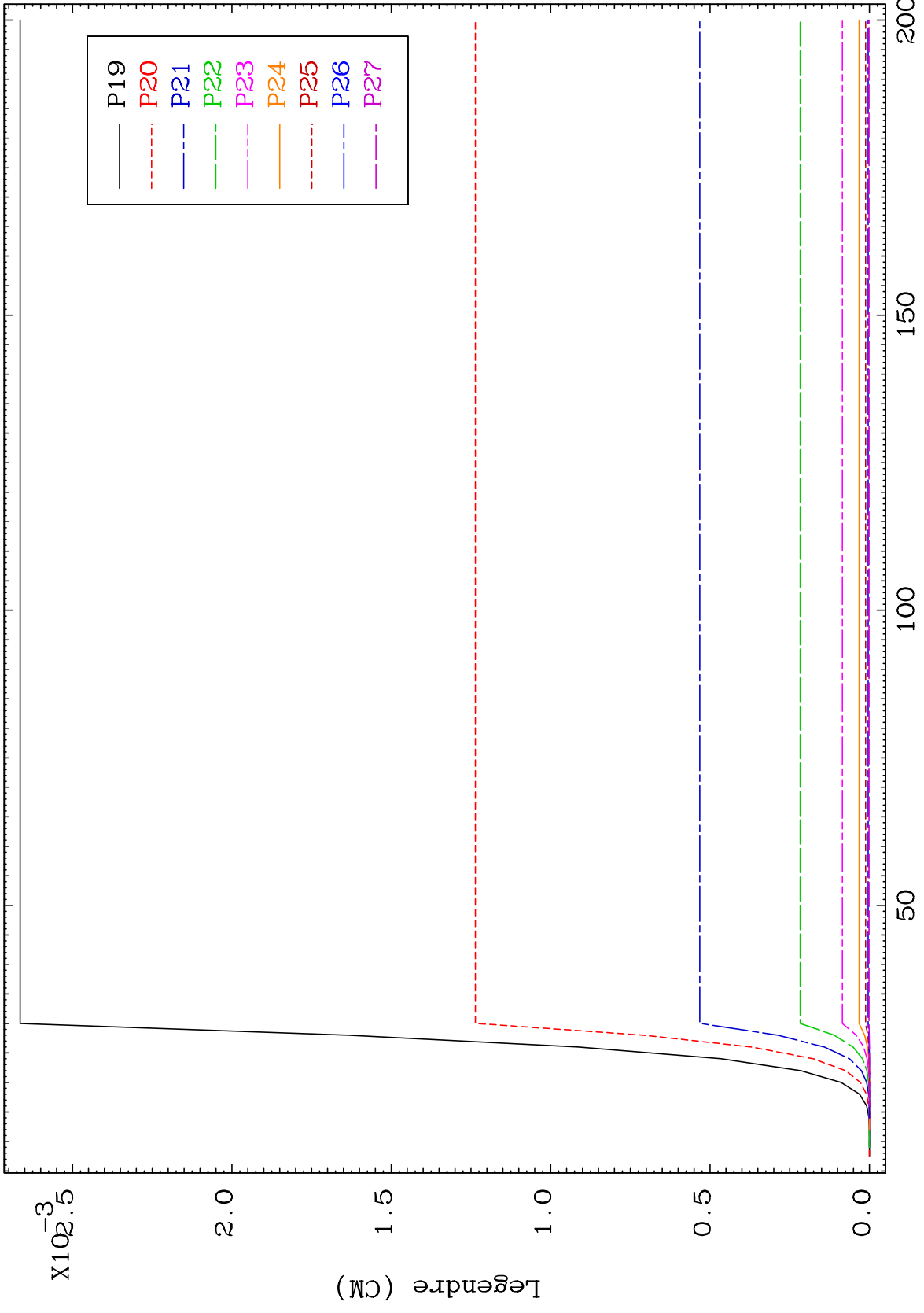


18

Incident Energy (MeV)

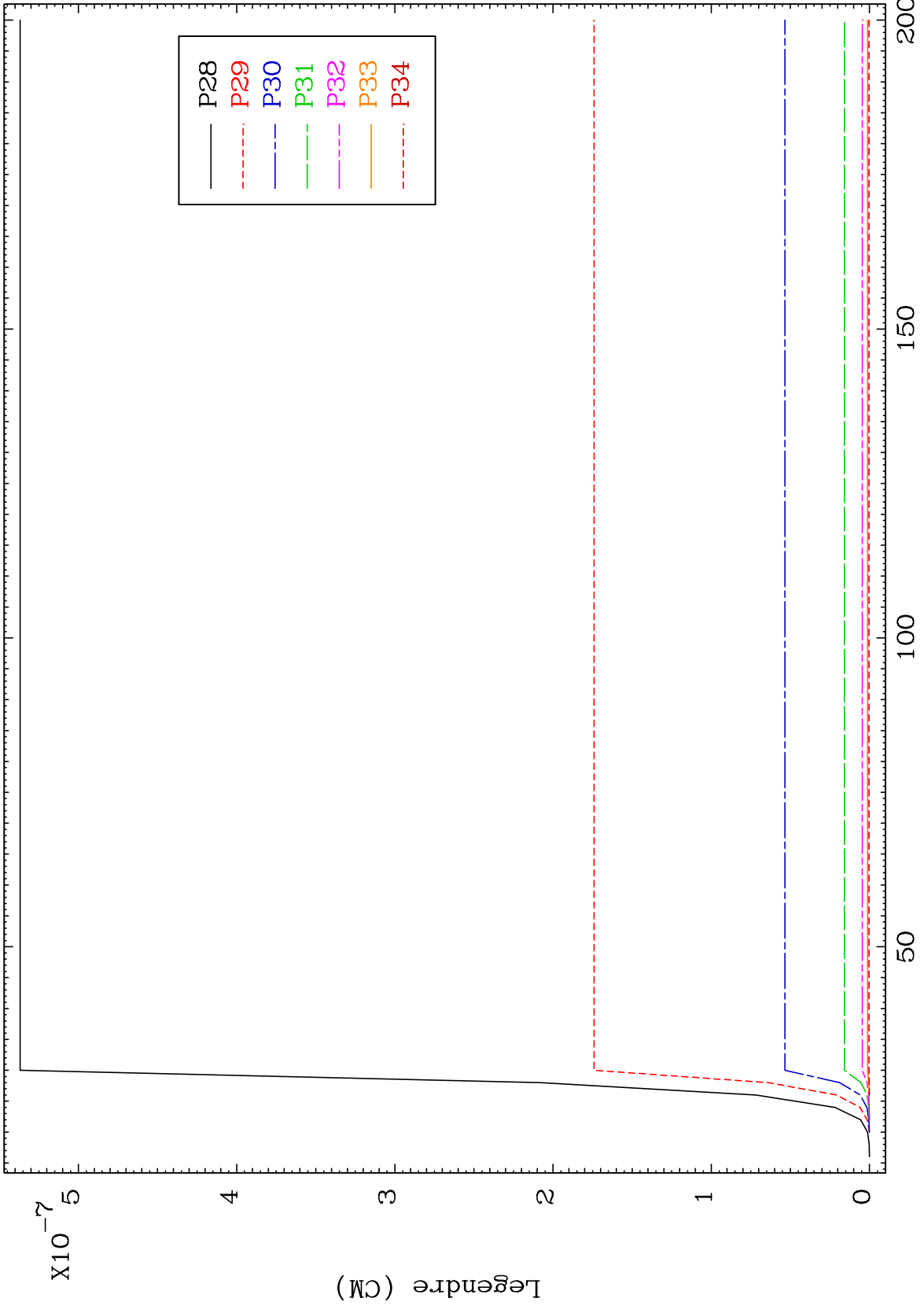
40-Zr-82

MAT 4001 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-82



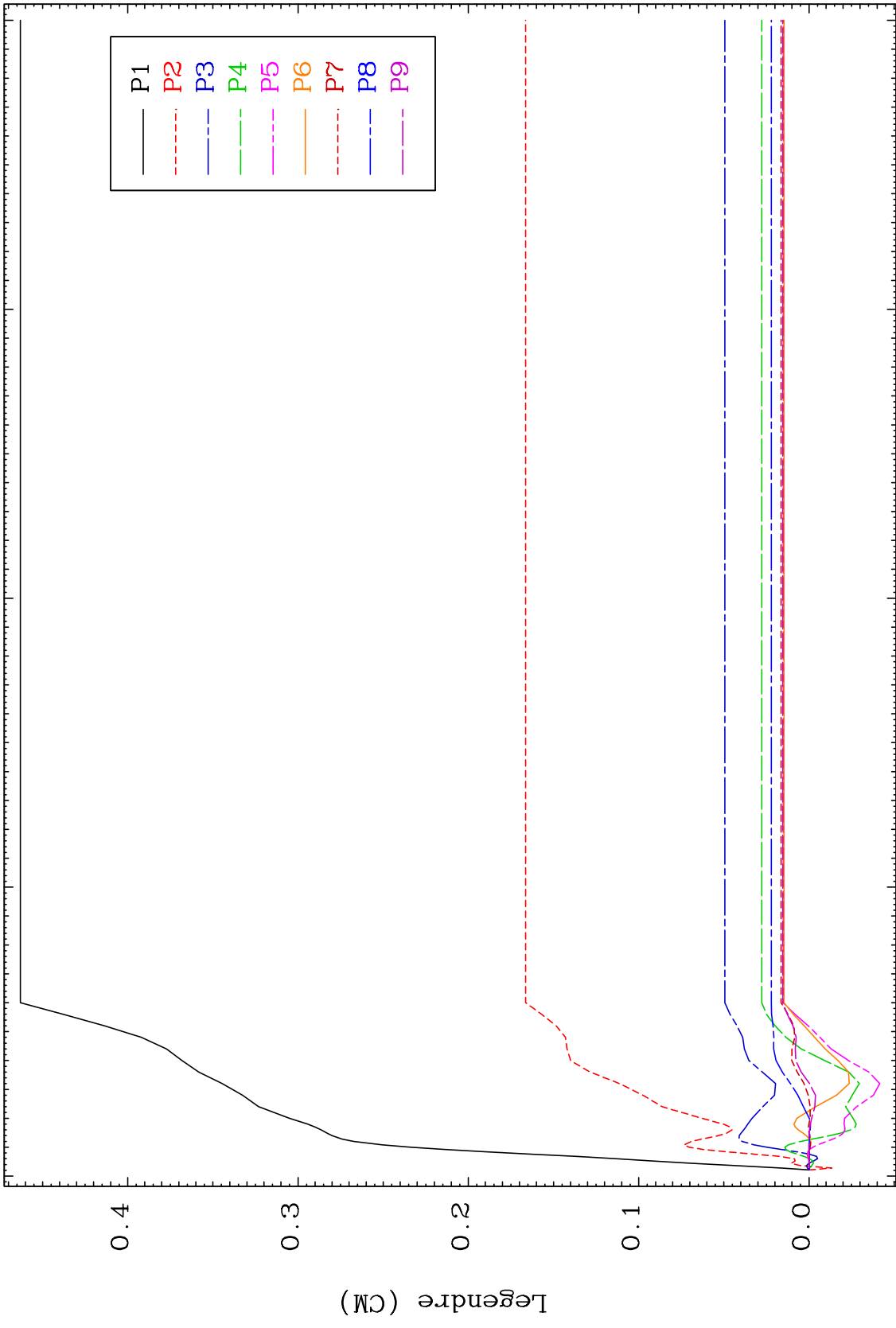
19 40-Zr-82

MAT 4001 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-82



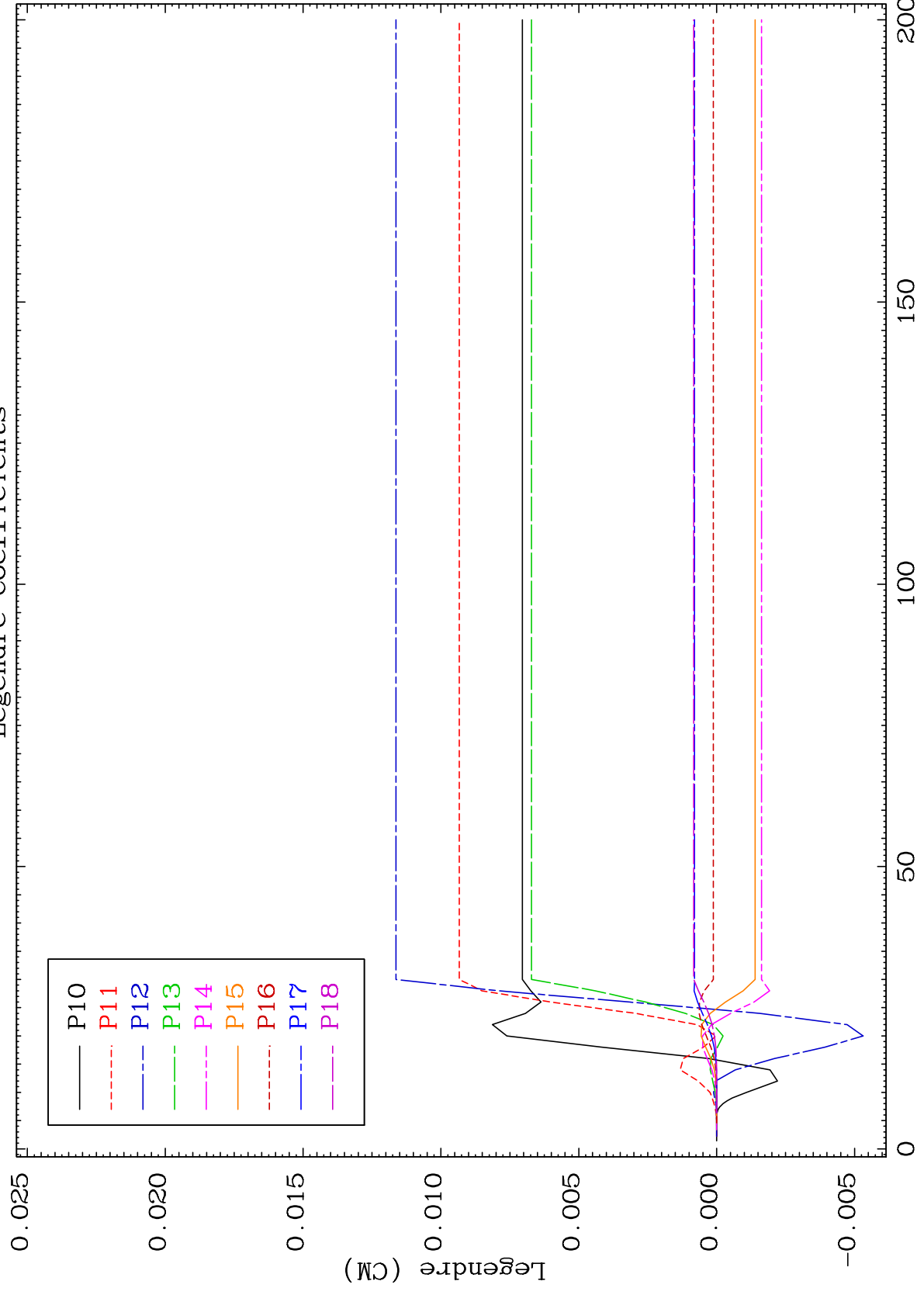
Incident Energy (MeV) 40-Zr-82

MAT 4001 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-82



21 40-Zr-82

MAT 4001 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-82

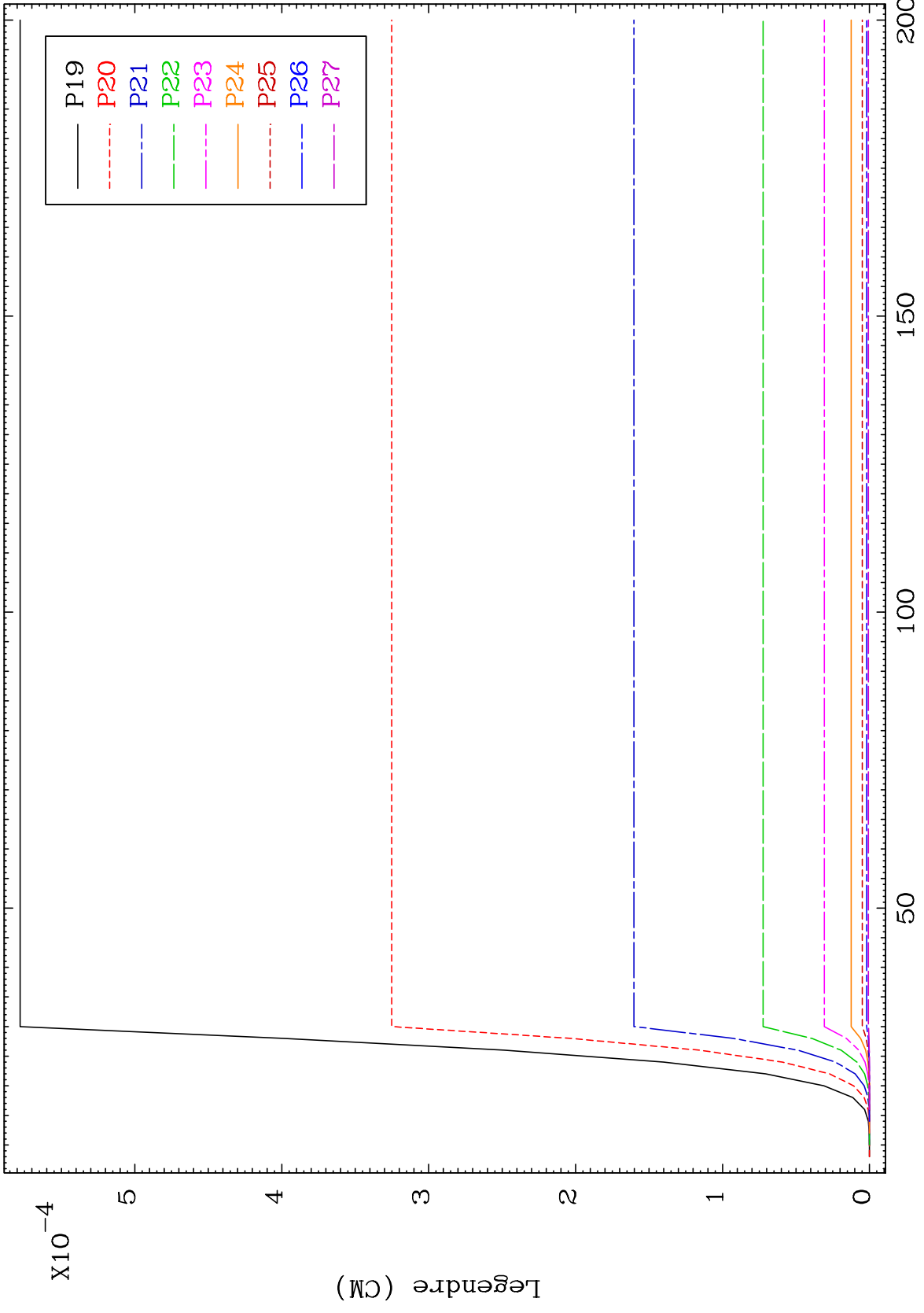


40-Zr-82

Incident Energy (MeV)

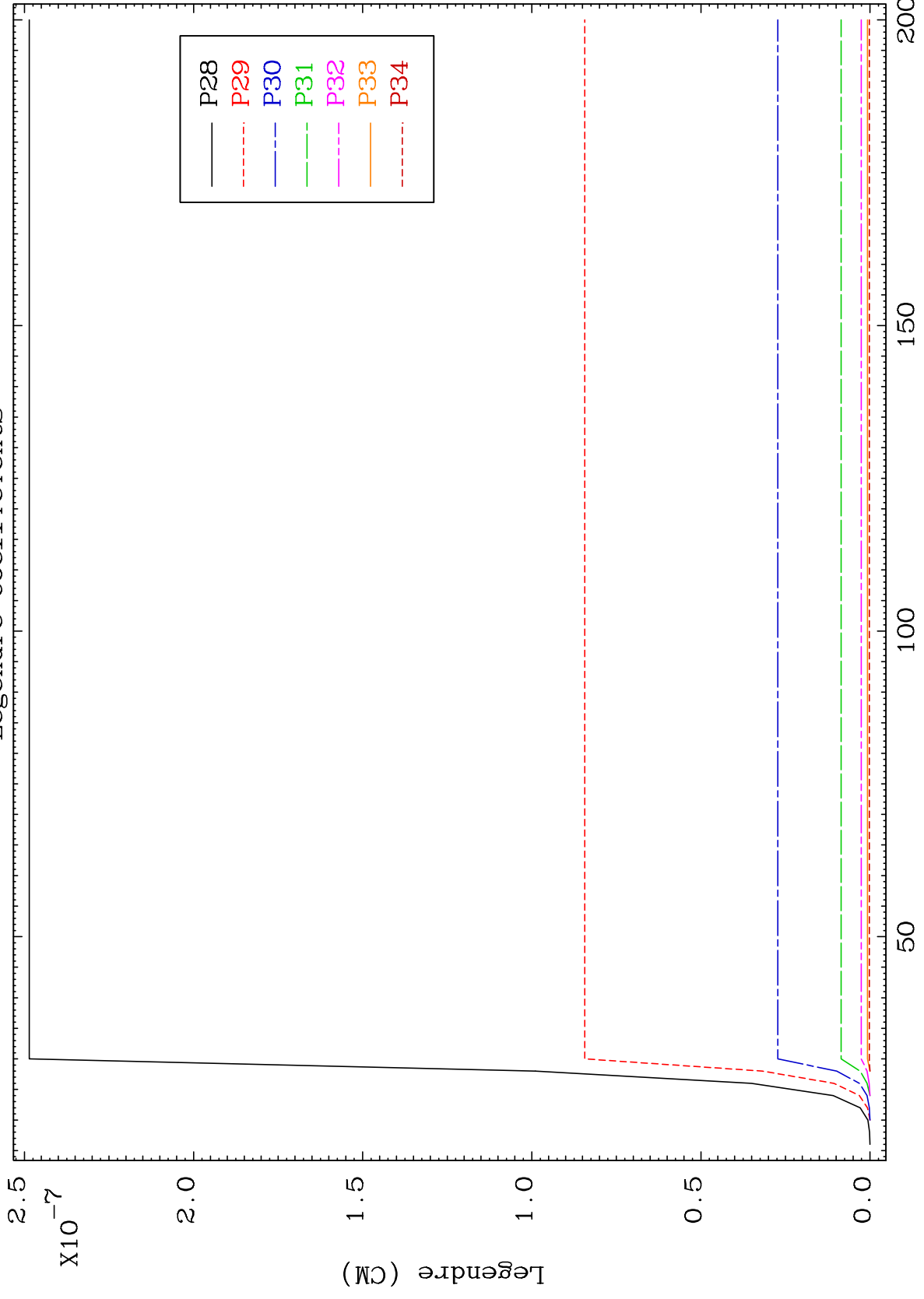
22

MAT 4001 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-82





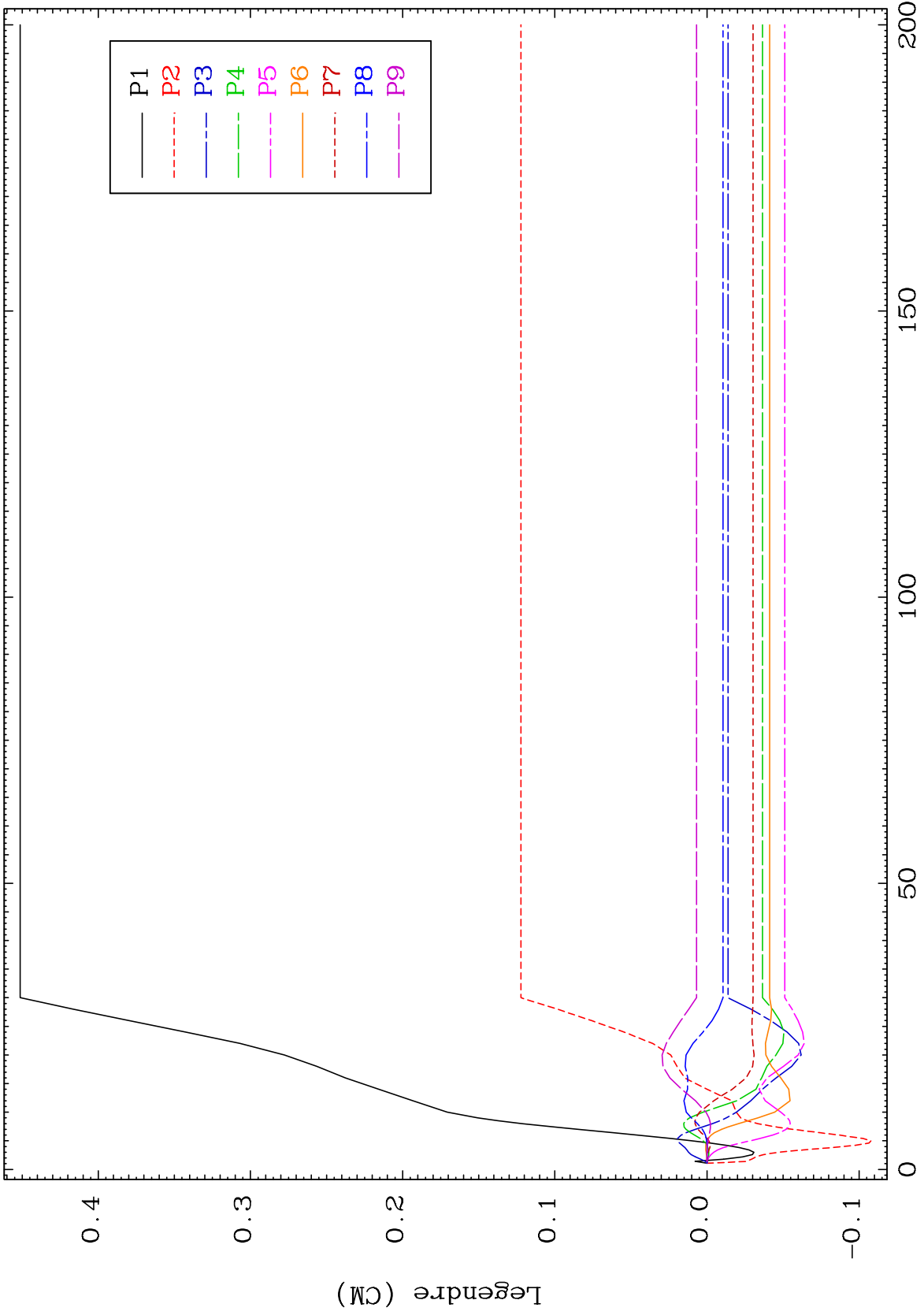
MAT 4001 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-82



MAT 4001

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

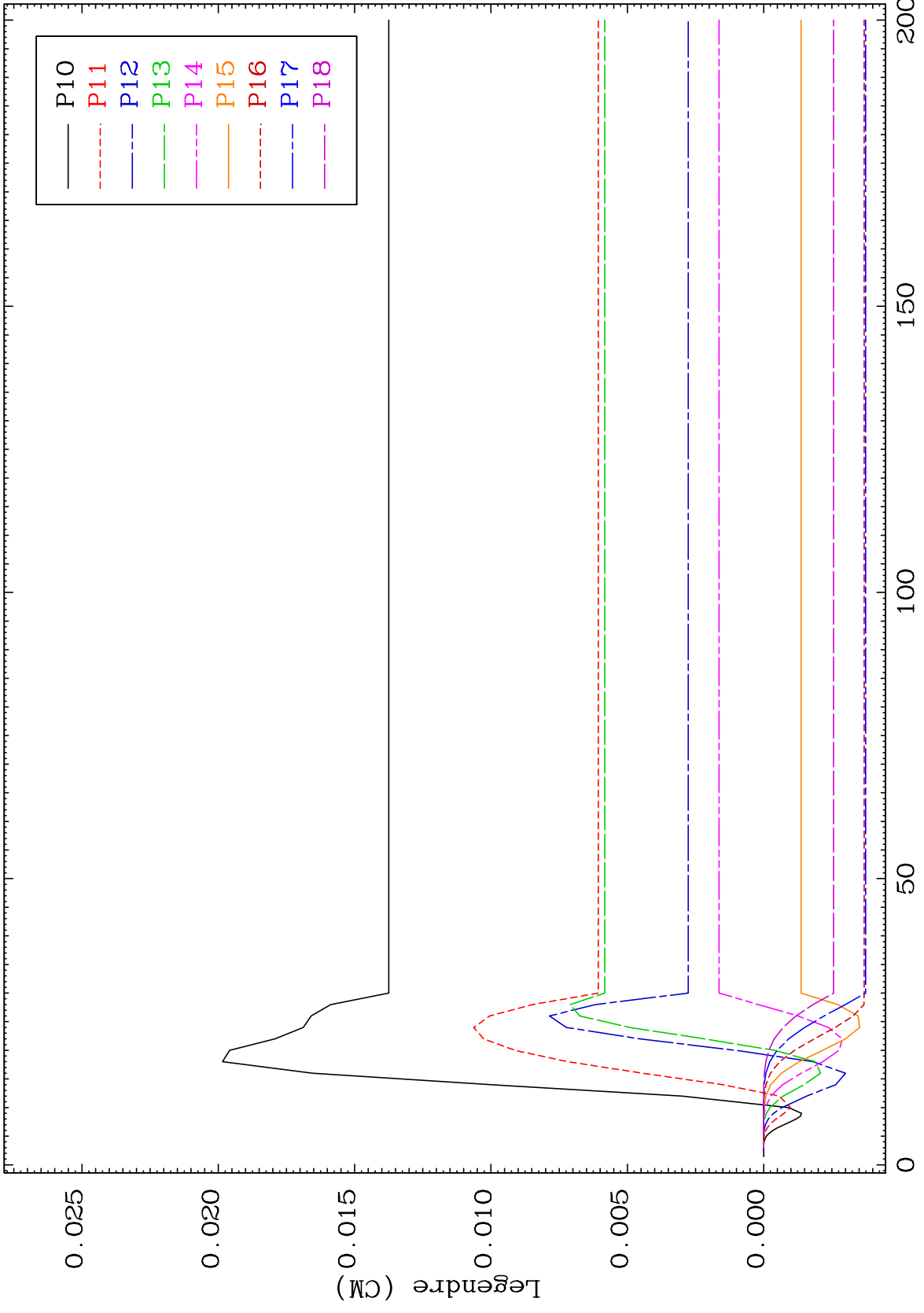
40-Zr-82



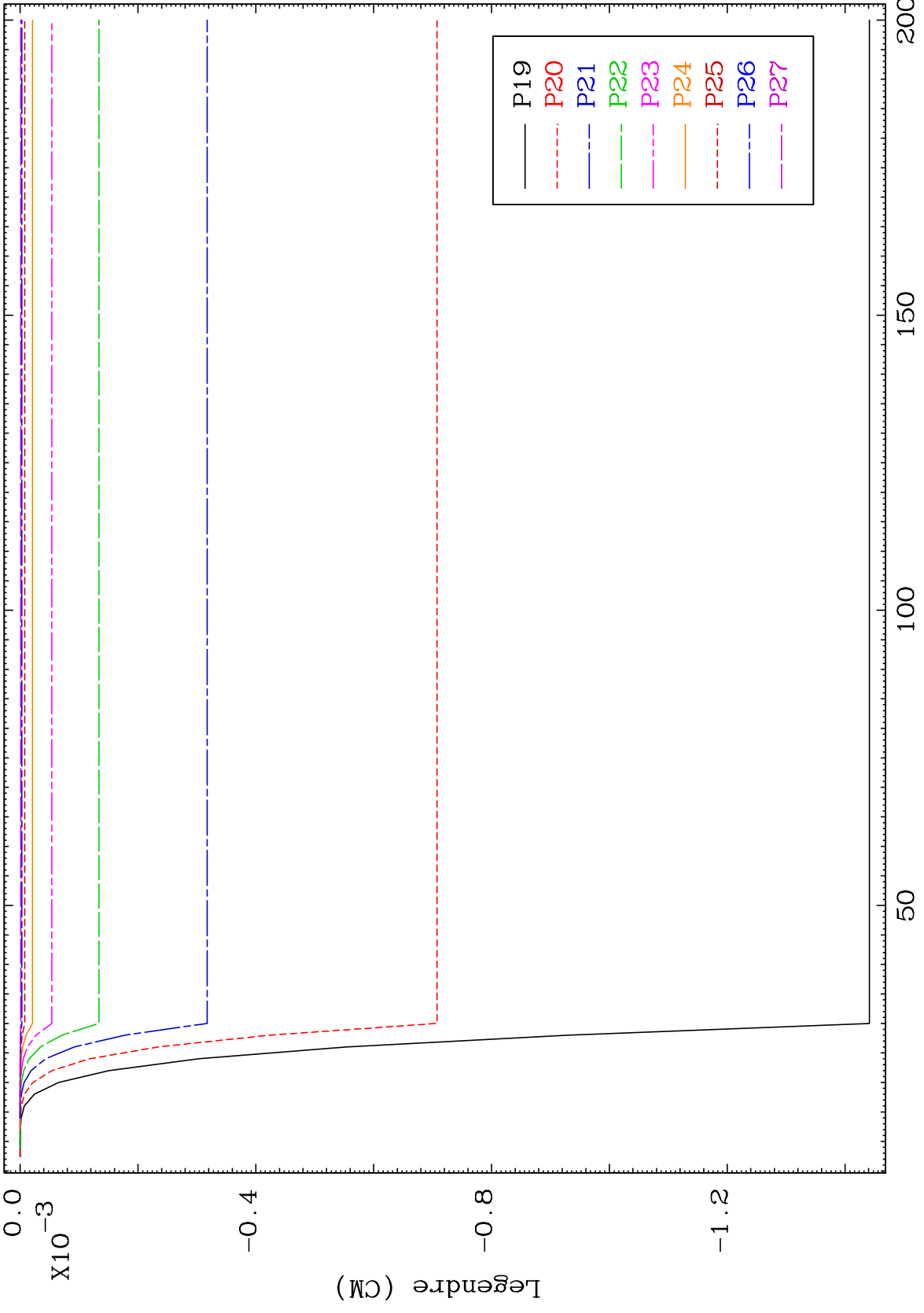
Incident Energy (MeV)

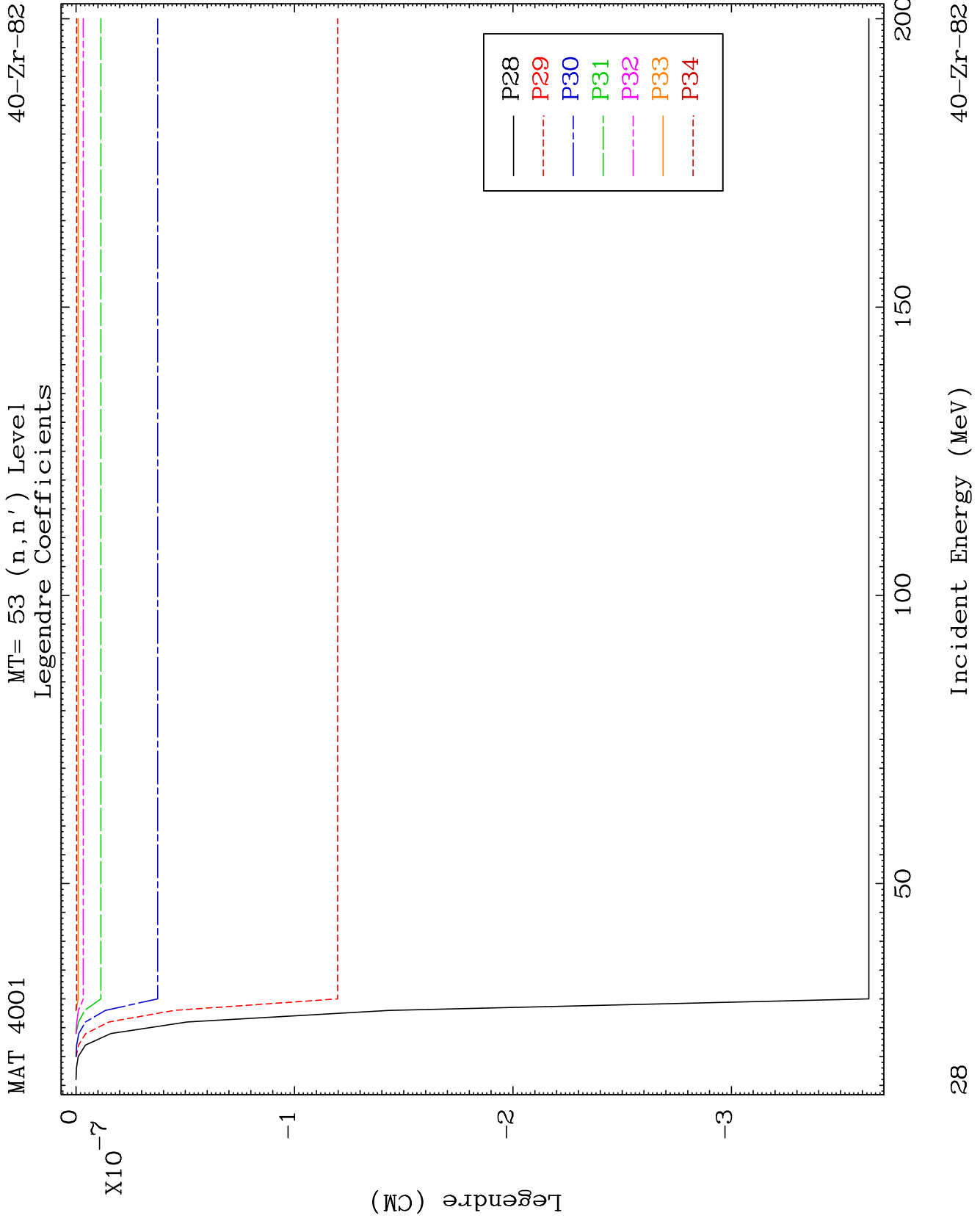
40-Zr-82

MAT 4001 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-82



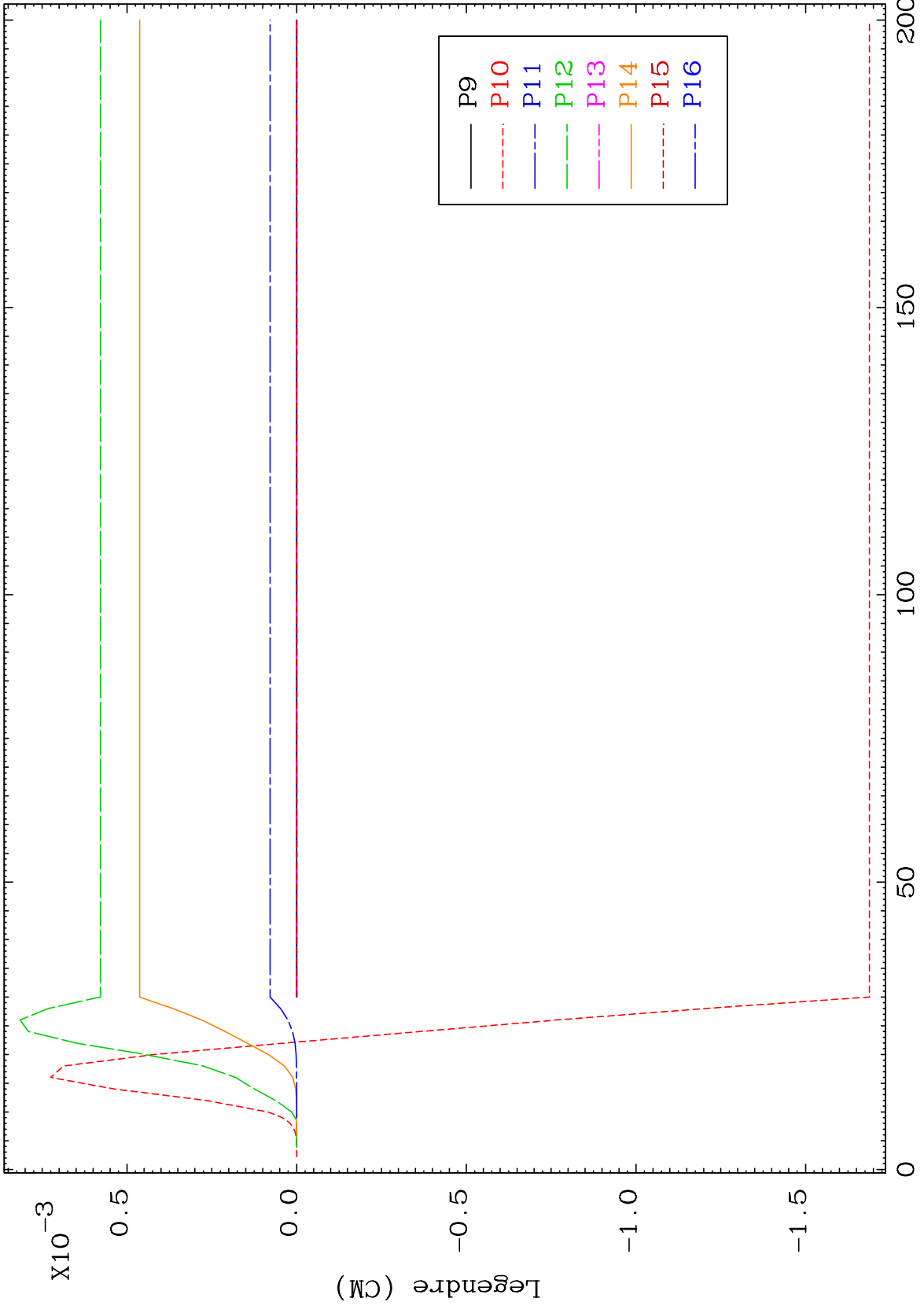
MAT 4001 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-82





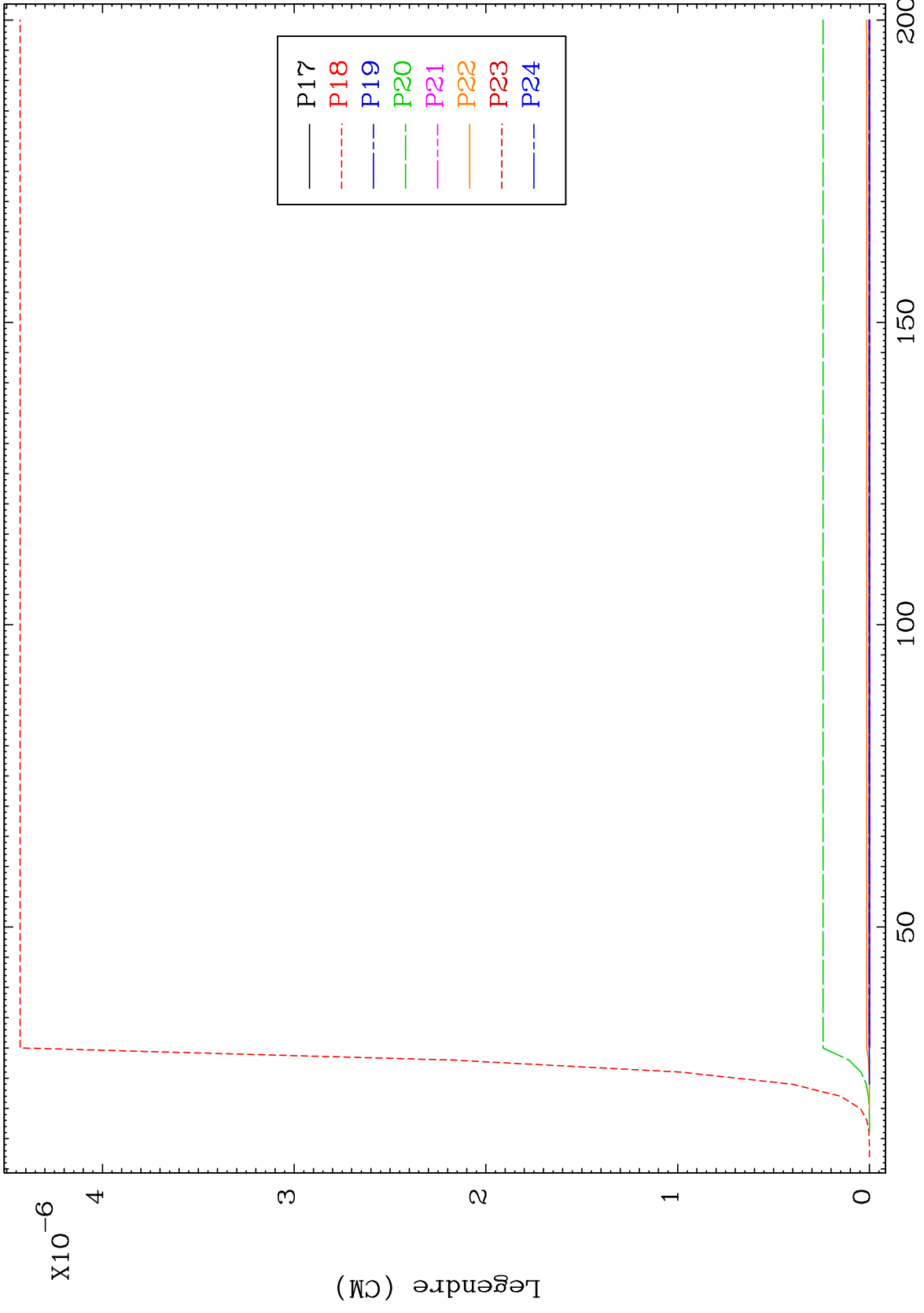


MAT 4001 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-82



30 50 100 150 200 40-Zr-82

MAT 4001 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-82



31 Incident Energy (MeV) 40-Zr-82

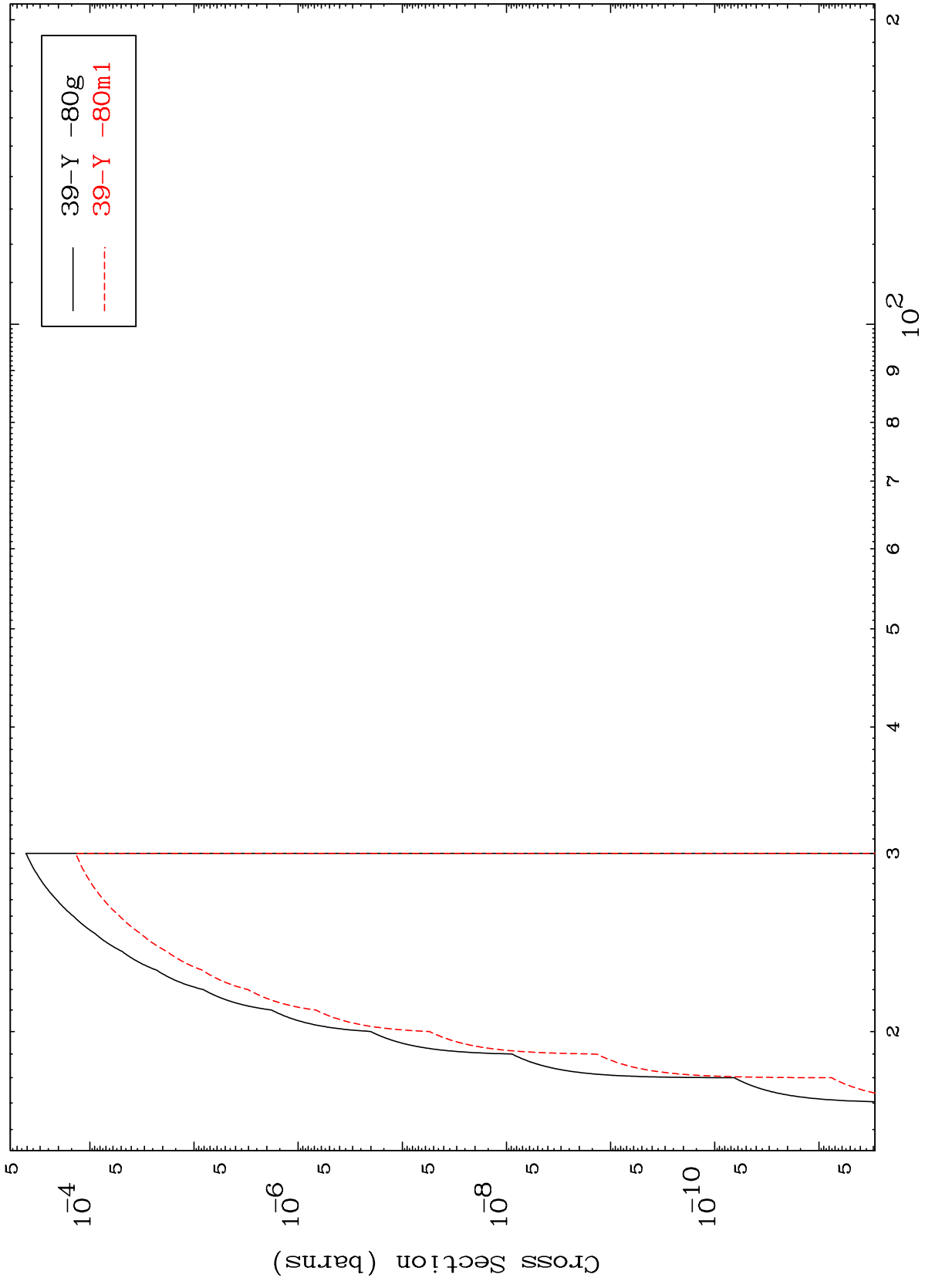


MAT 4001

(n,n') d

40-Zr-82

Radionuclide Production Cross Section



32

Incident Energy (MeV)

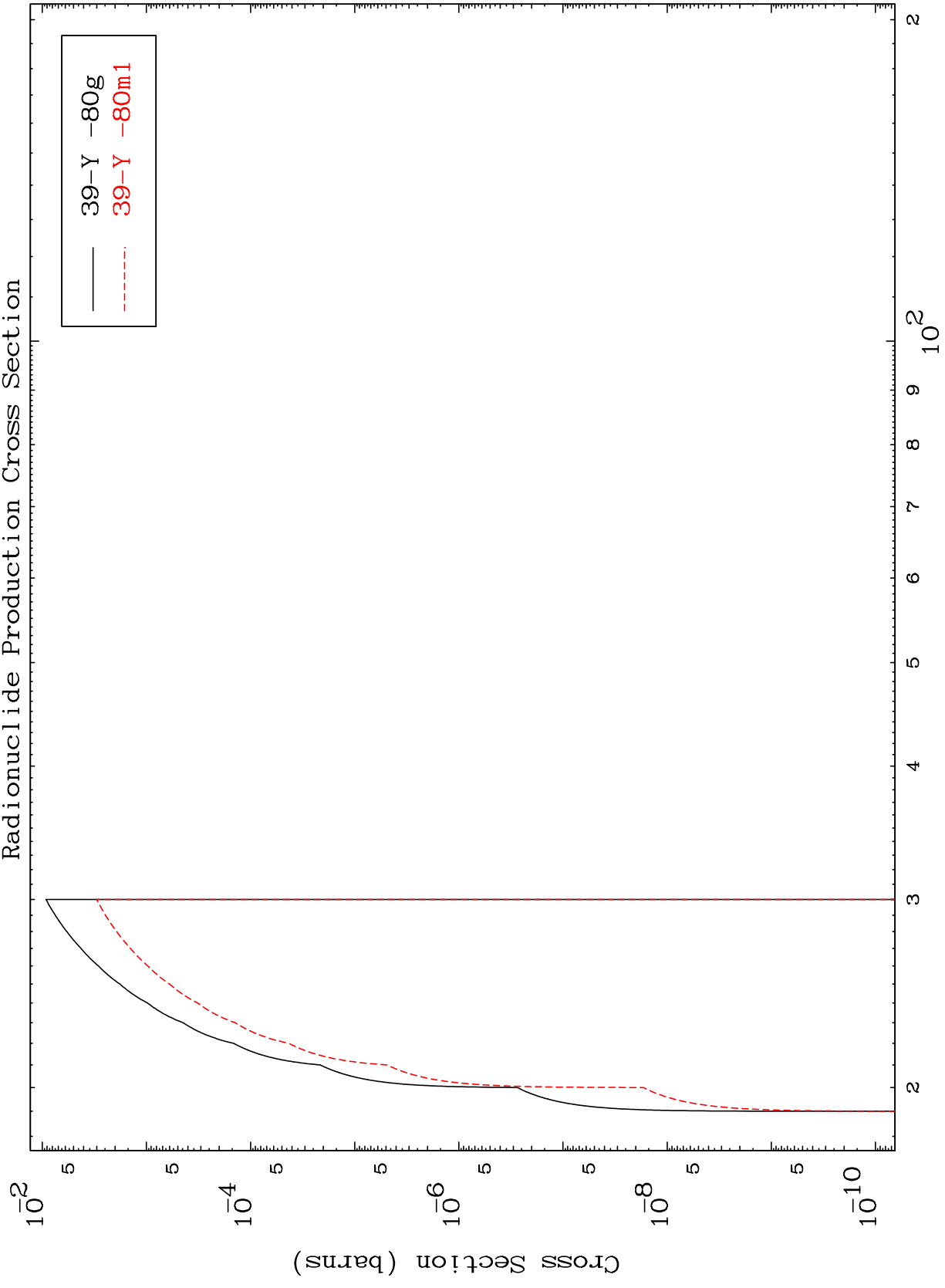
40-Zr-82

MAT 4001

(n,2n) p

Radionuclide Production Cross Section

40-Zr-82



40-Zr-82

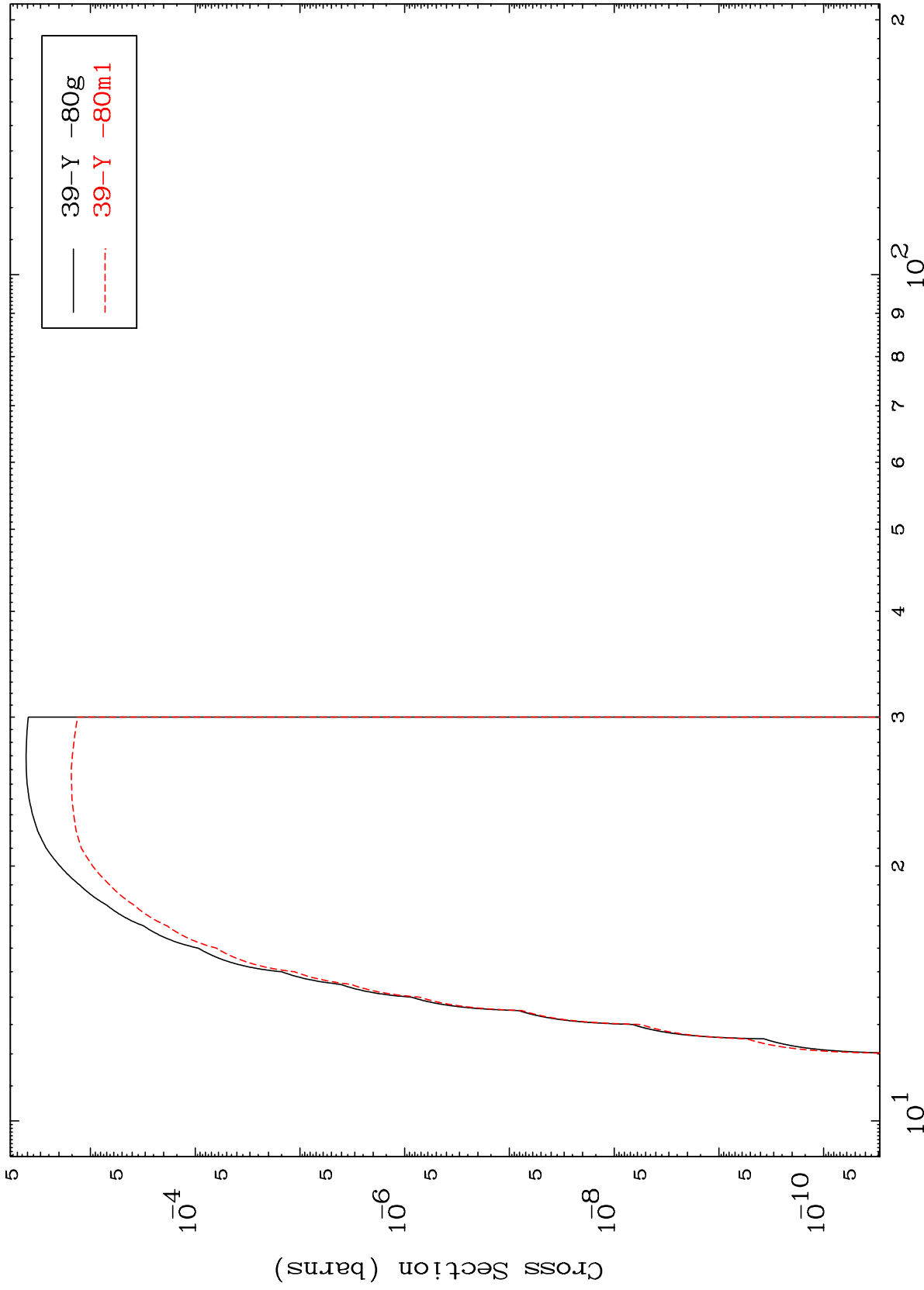
Incident Energy (MeV)

33

MAT 4001

40-Zr-82

(n, t)  
Radionuclide Production Cross Section



34

Incident Energy (MeV)

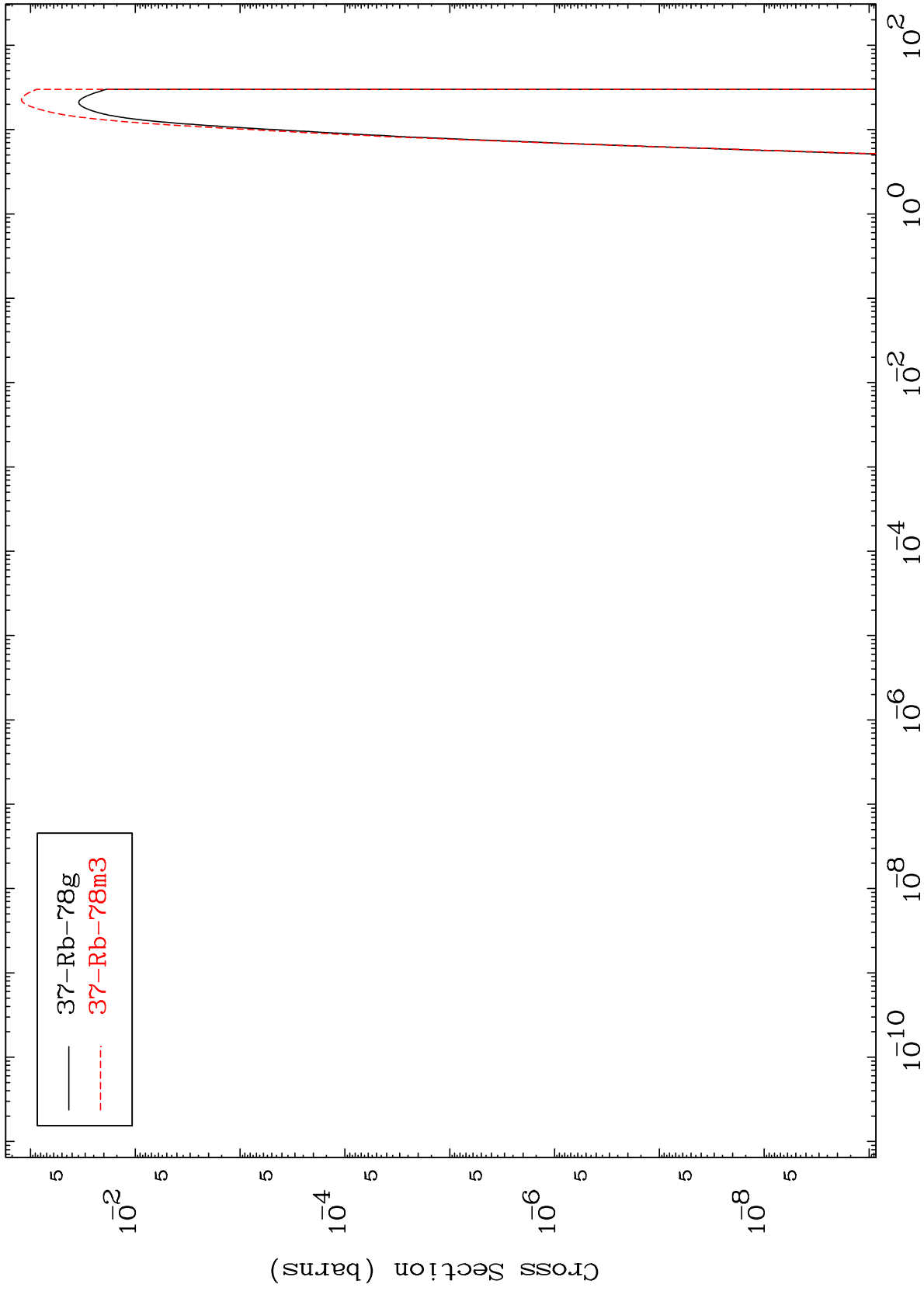
40-Zr-82

MAT 4001

(n,p)  $\alpha$

40-Zr-82

Radionuclide Production Cross Section



35

Incident Energy (MeV)

40-Zr-82