

Program EVALPLOT
(Version 2021-1)

by

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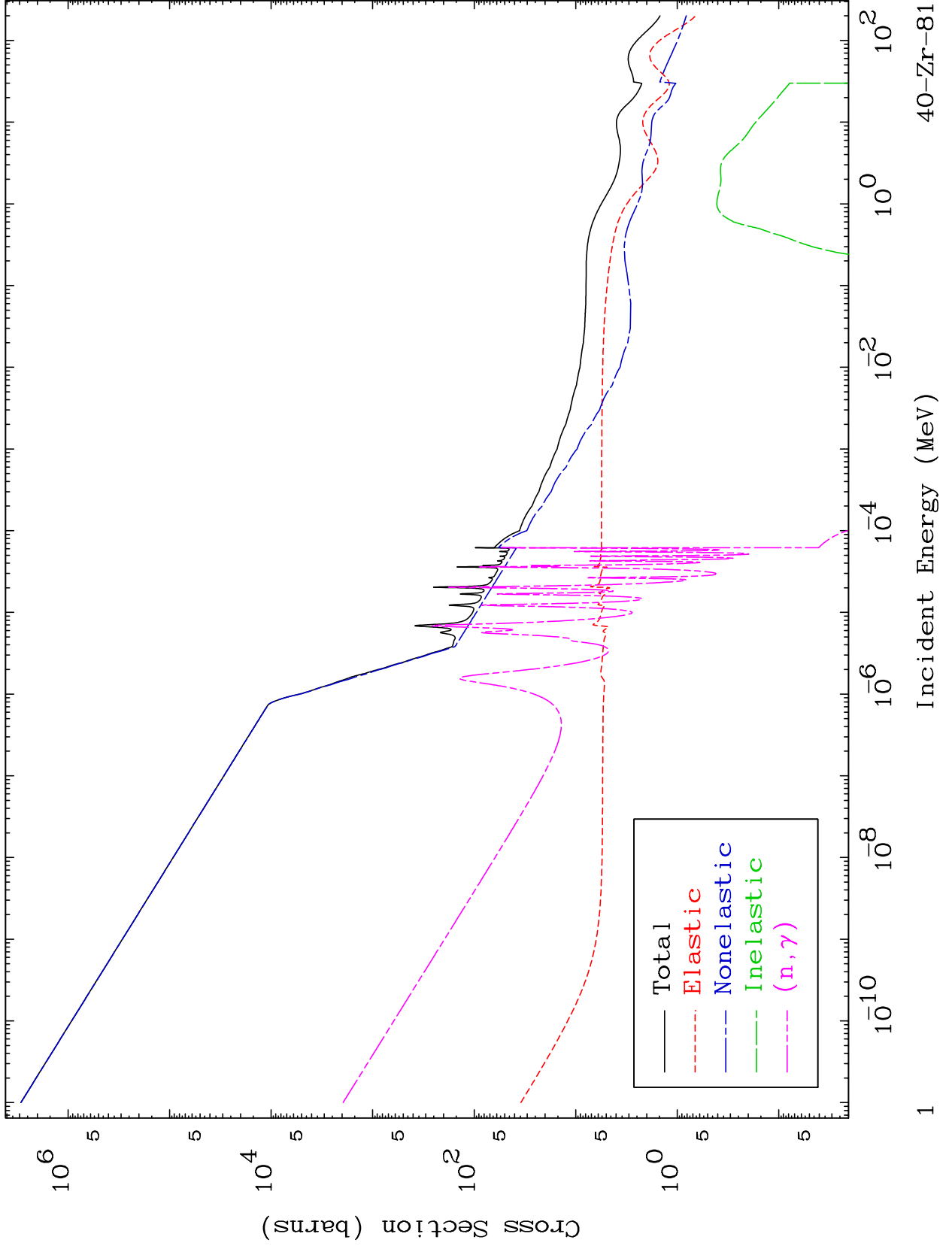
Web:redcullen1.net/HOMEPAGE.NEW

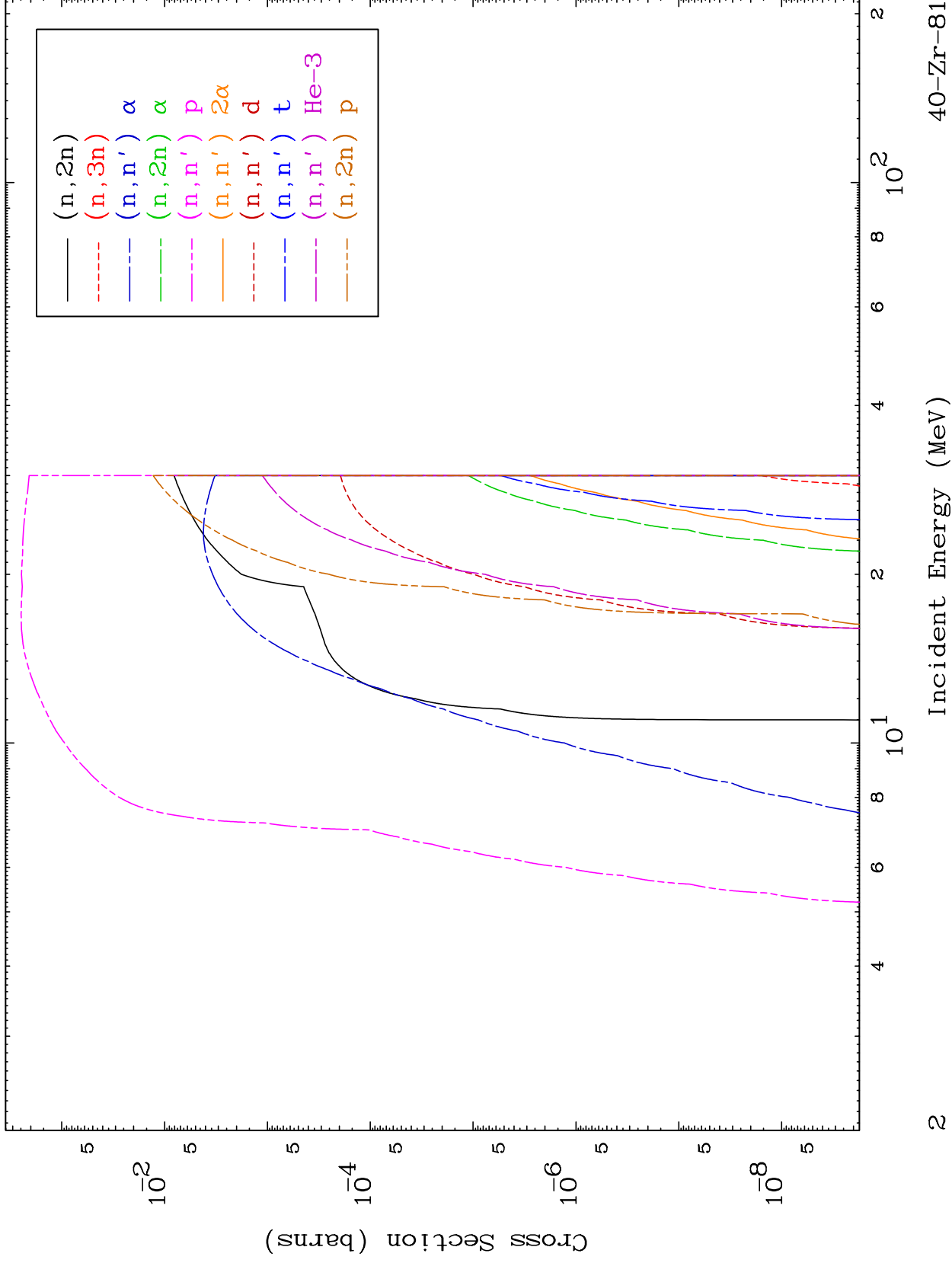
Press Mouse Button to Start

MAT 3998

Neutron Major
293 Kelvin Cross Sections

40-Zr-81

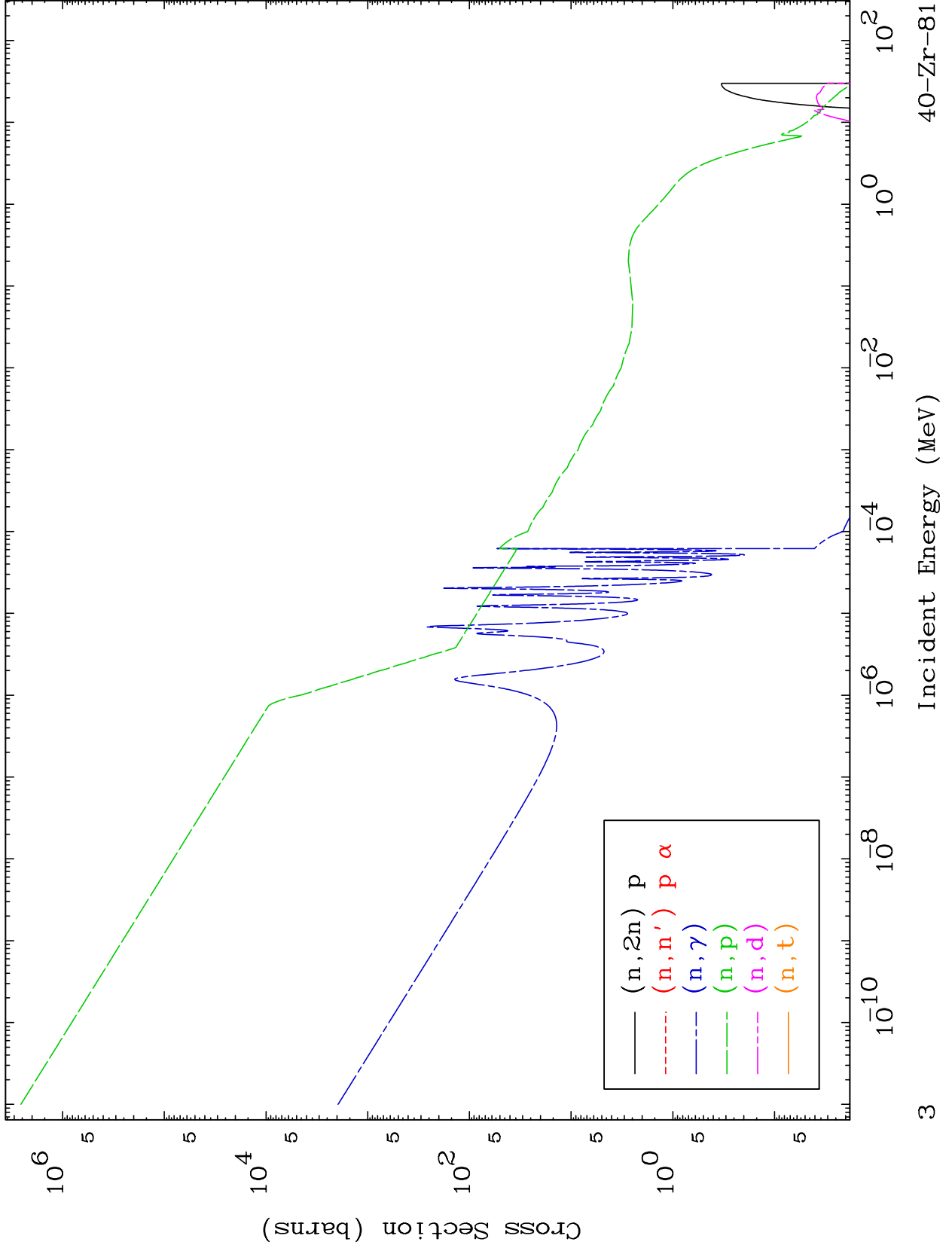




MAT 3998

Neutron Absorption
293 Kelvin Cross Sections

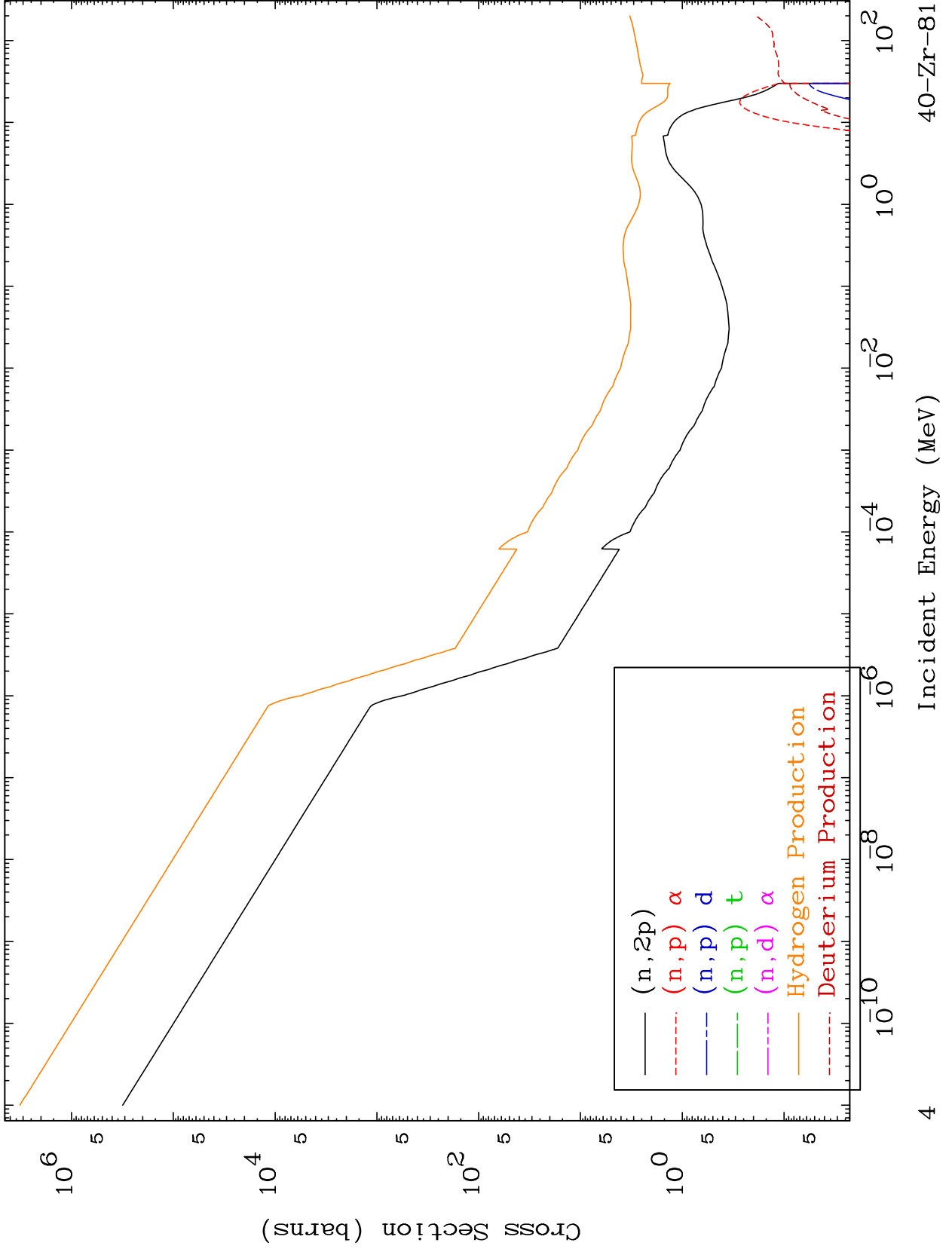
40-Zr-81



MAT 3998

Neutron Absorption
293 Kelvin Cross Sections

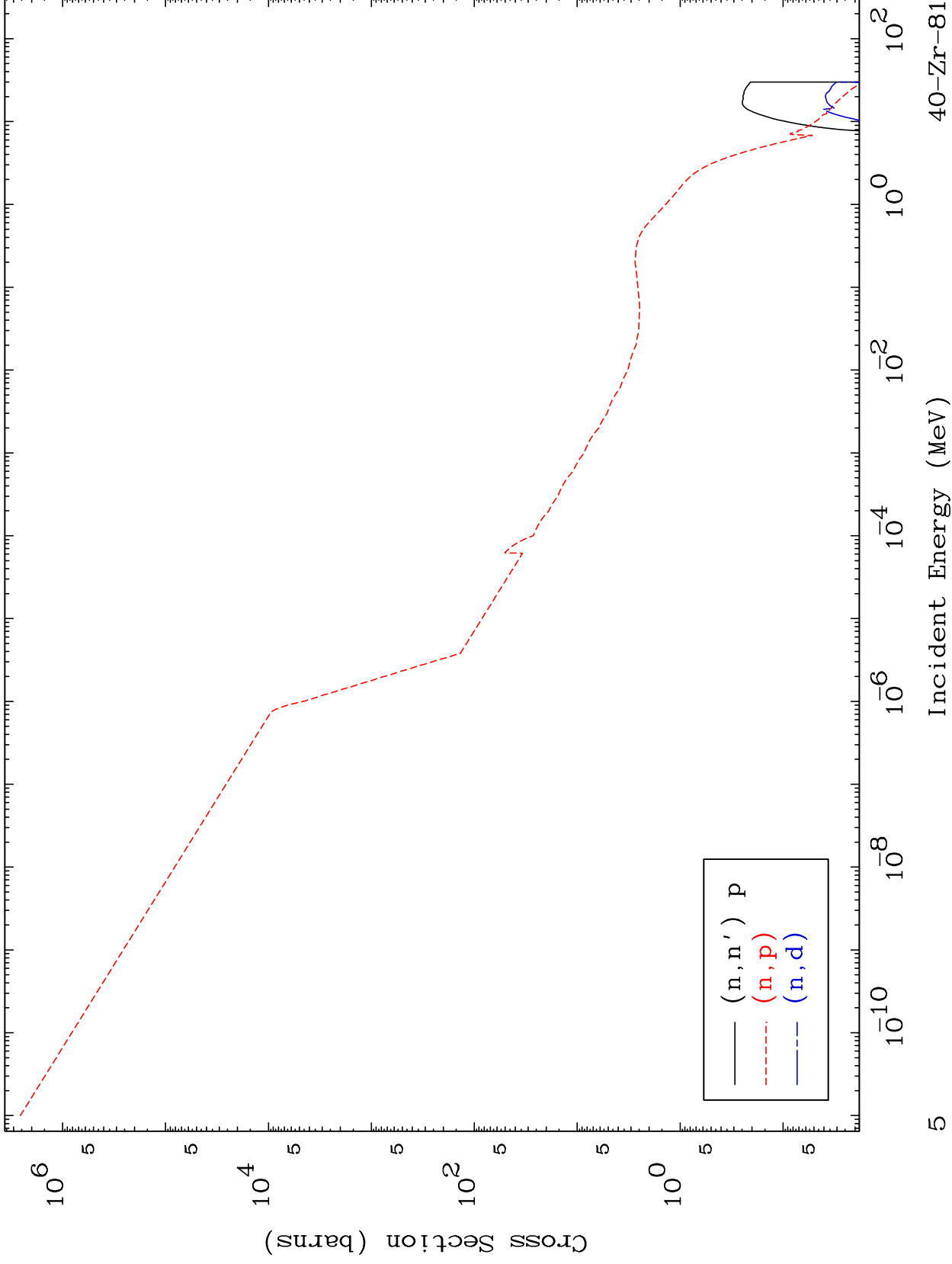
40-Zr-81



MAT 3998

Charged Particle
293 Kelvin Cross Sections

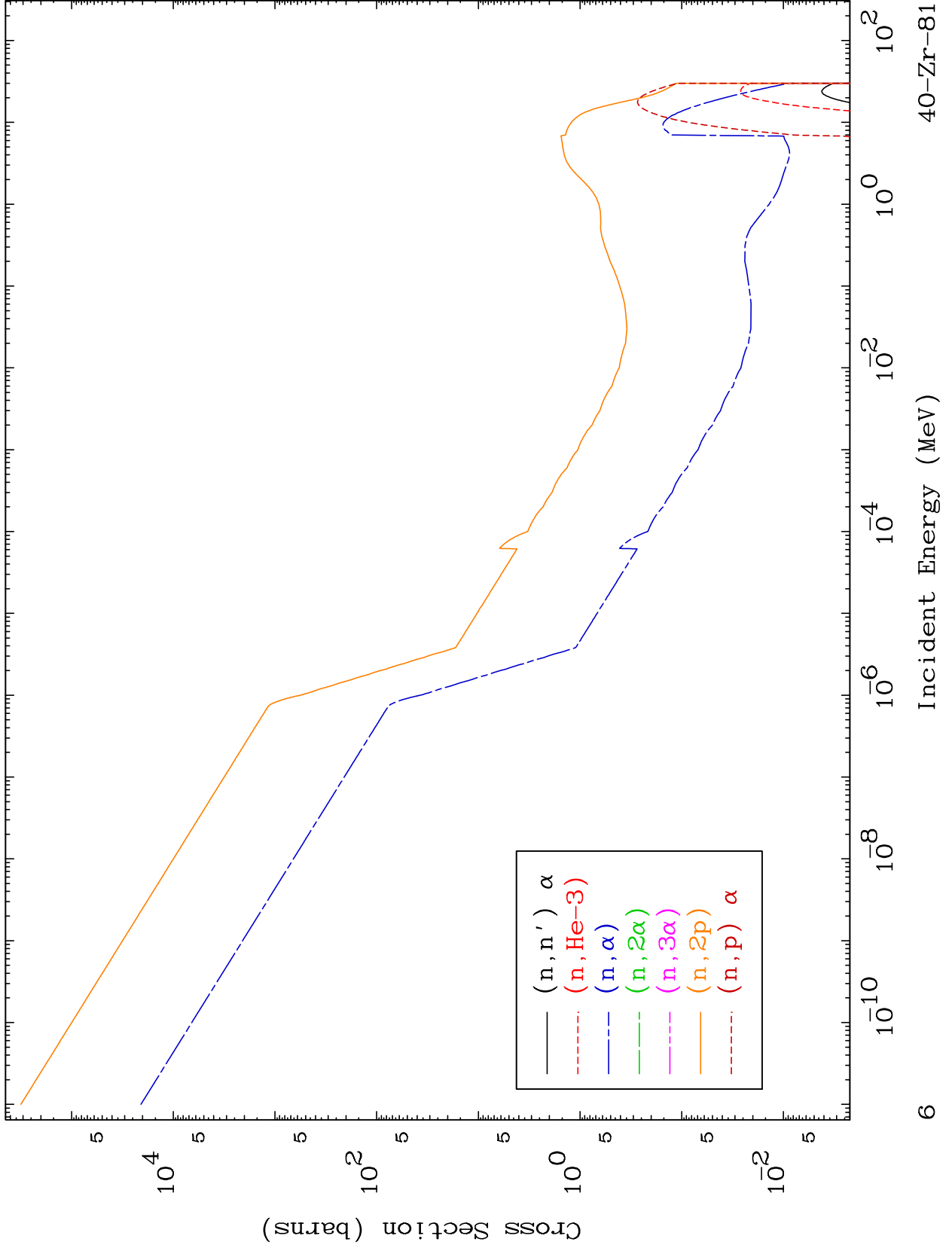
40-Zr-81



MAT 3998

Charged Particle
293 Kelvin Cross Sections

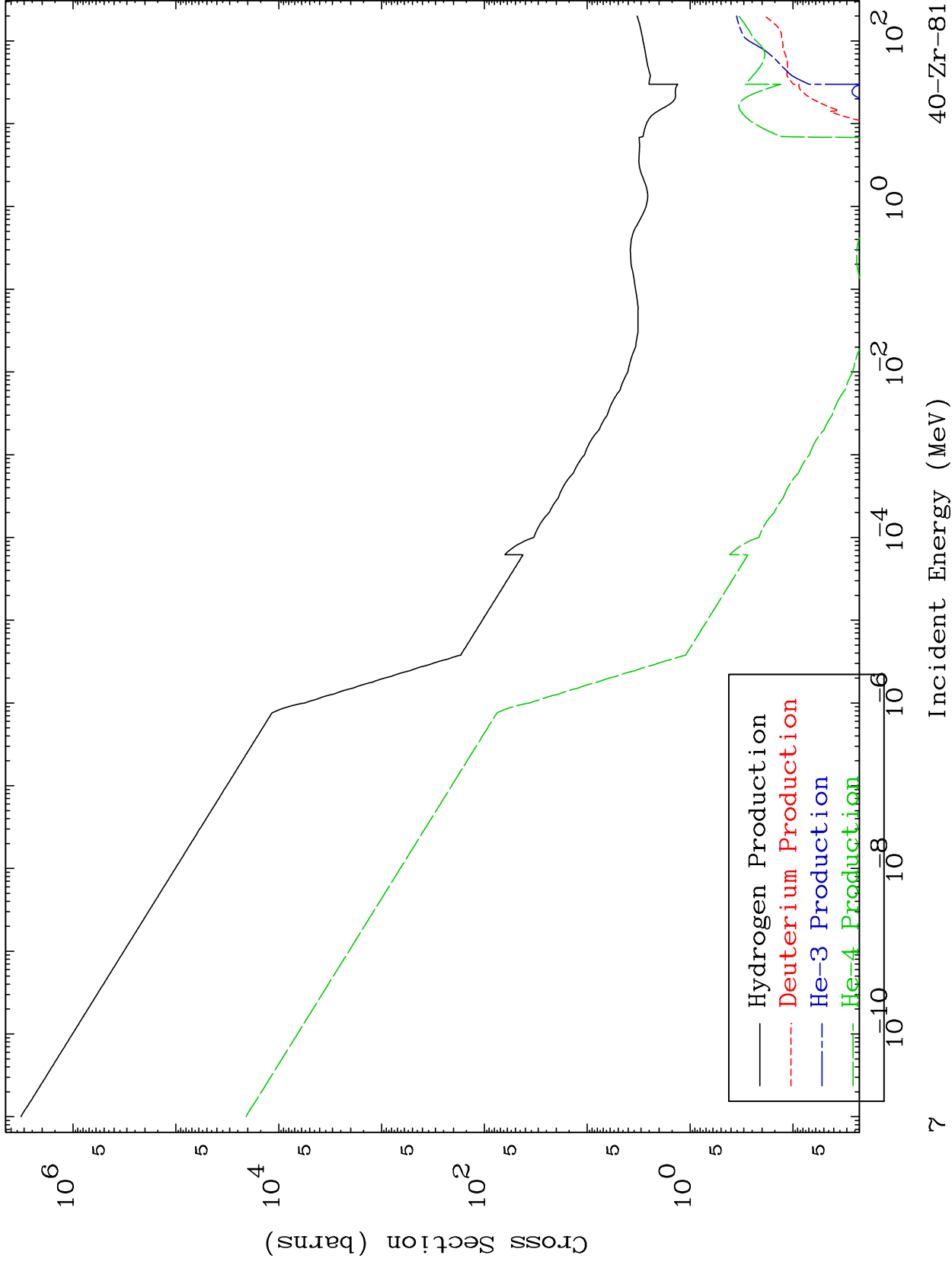
40-Zr-81



MAT 3998

Particle Production
293 Kelvin Cross Sections

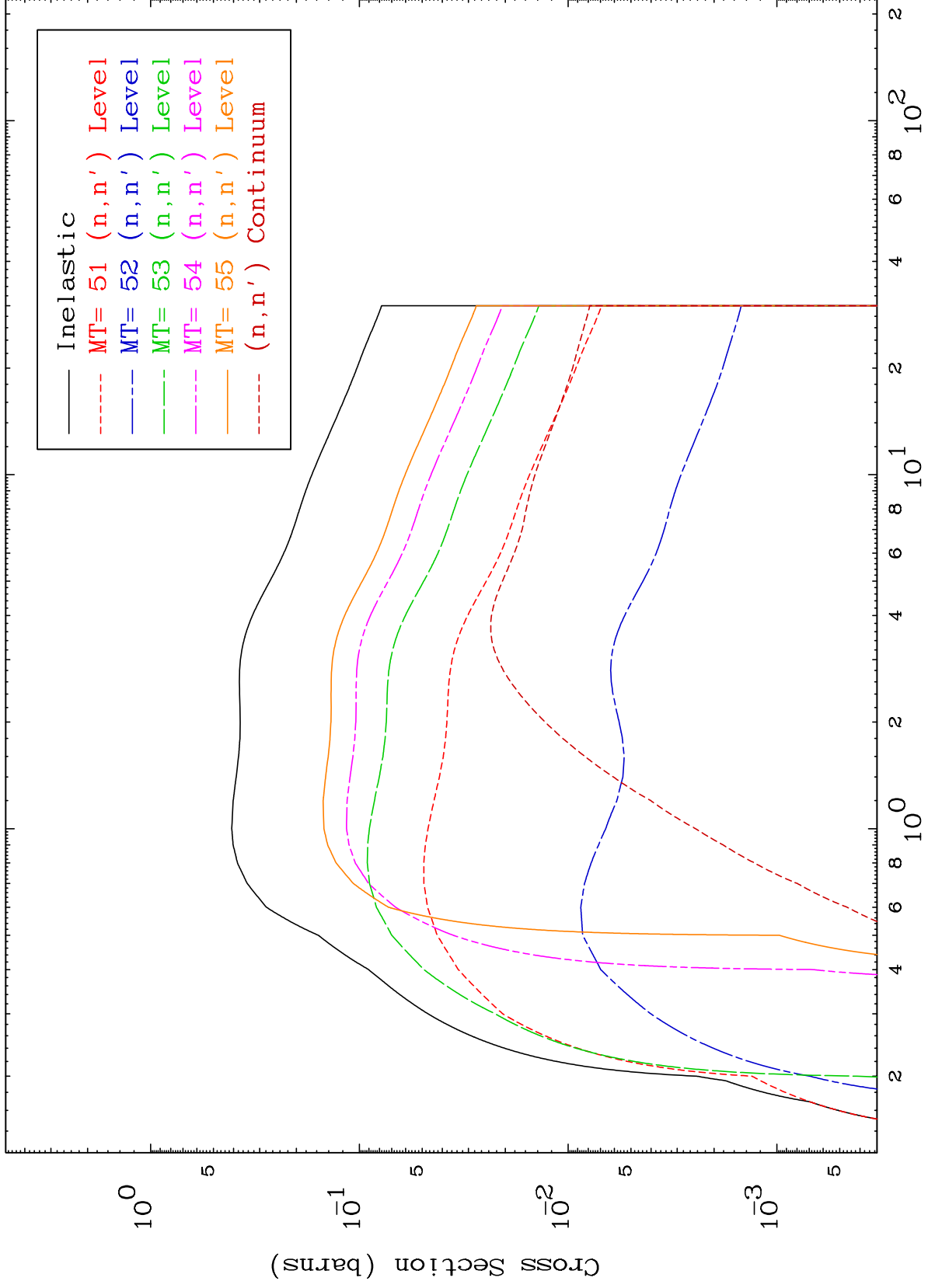
40-Zr-81



MAT 3998

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-81



8

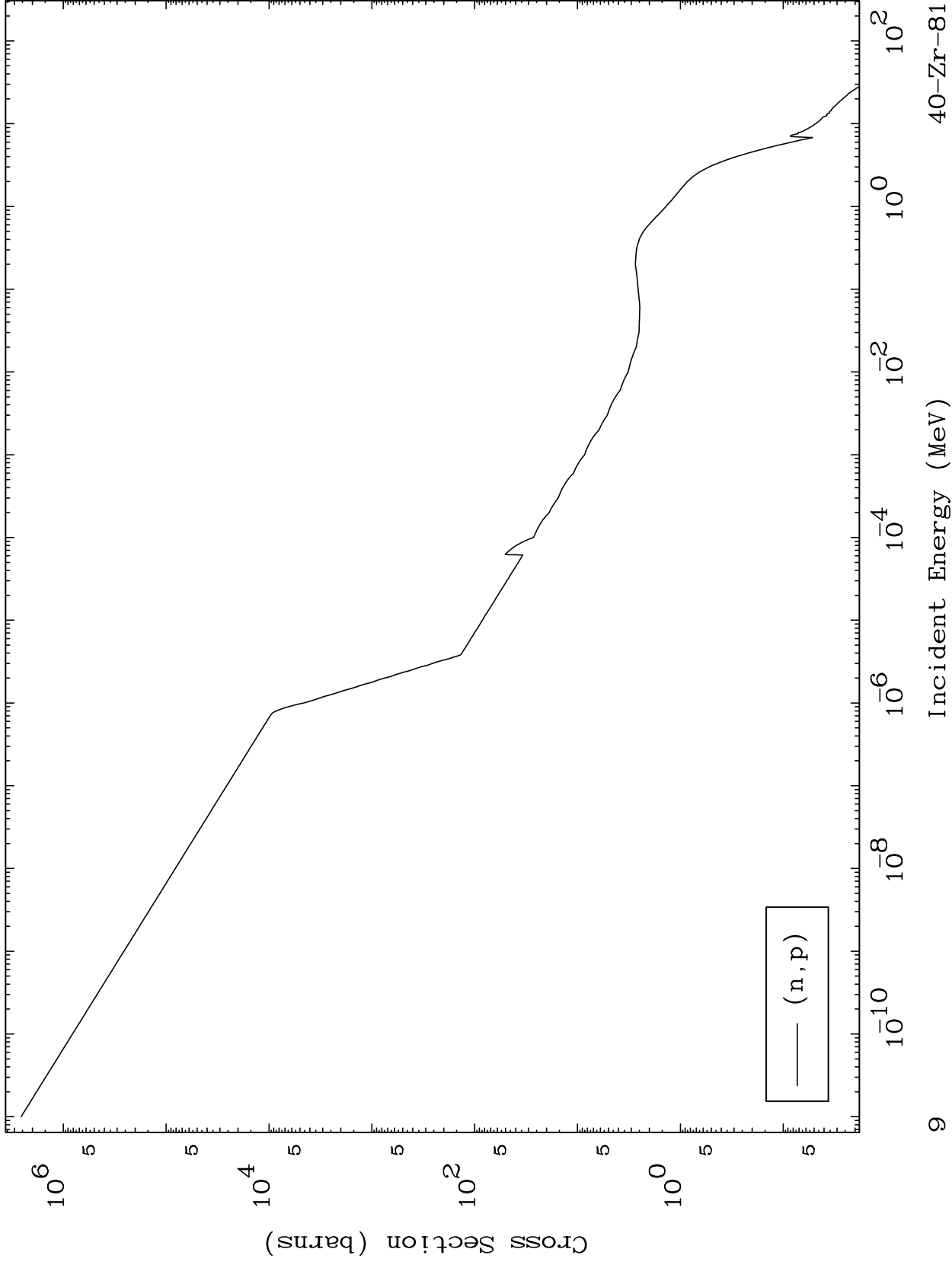
Incident Energy (MeV)

40-Zr-81

MAT 3998

(n,p) Levels
293 Kelvin Cross Sections

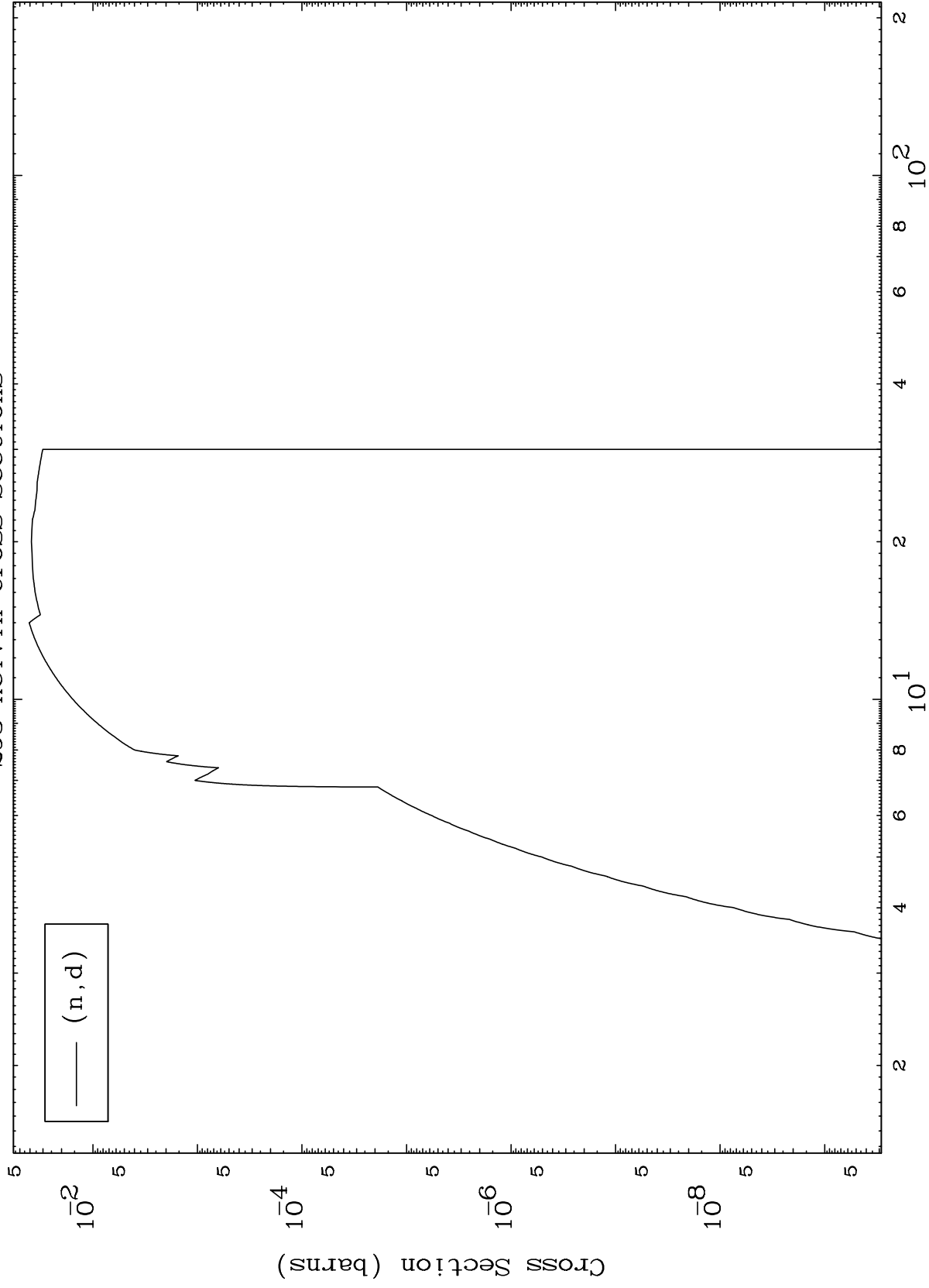
40-Zr-81



MAT 3998

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-81



10

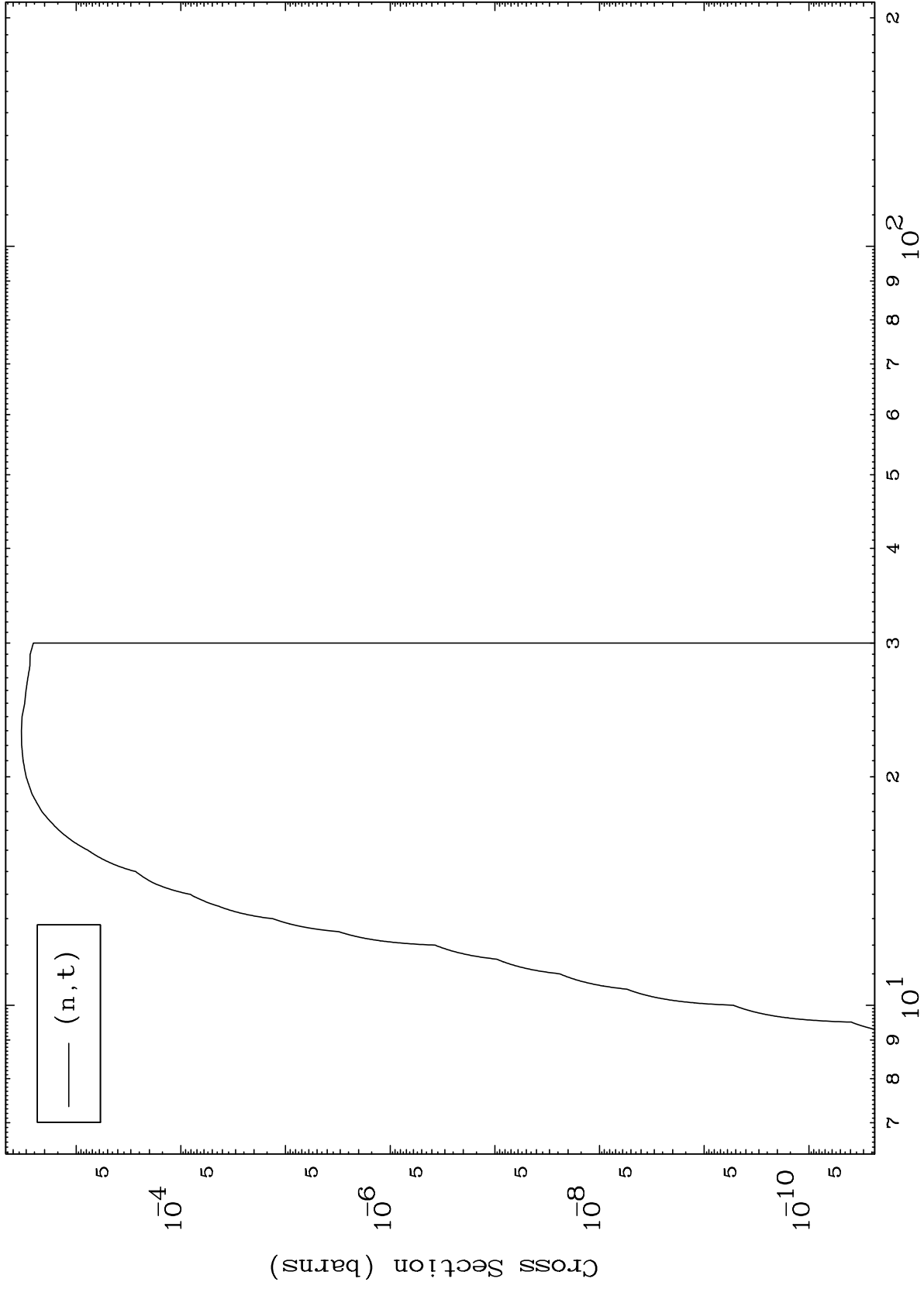
Incident Energy (MeV)

40-Zr-81

MAT 3998

40-Zr-81

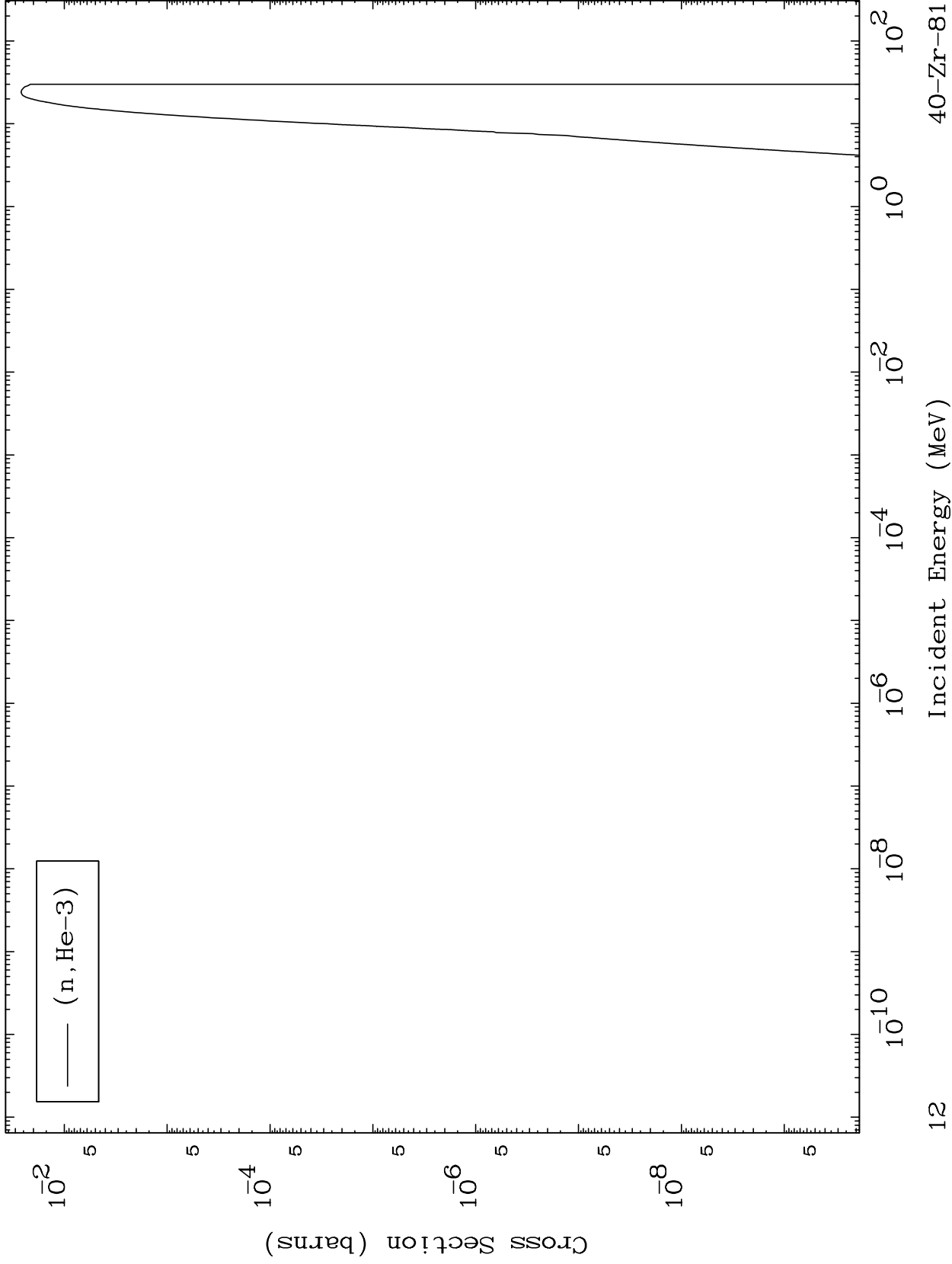
(n,t) Levels
293 Kelvin Cross Sections



MAT 3998

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-81



12

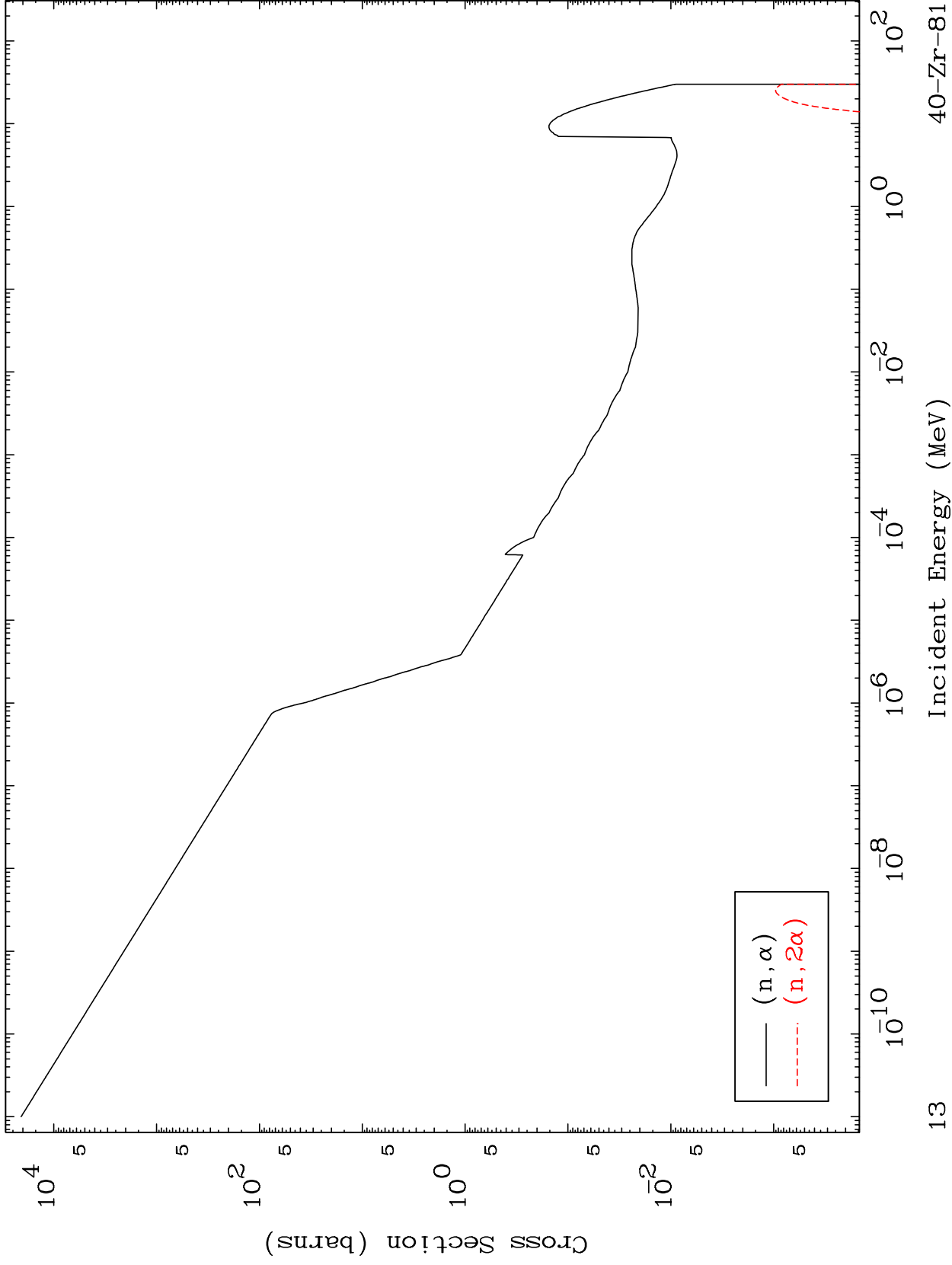
Incident Energy (MeV)

40-Zr-81

MAT 3998

(n,α) Levels
293 Kelvin Cross Sections

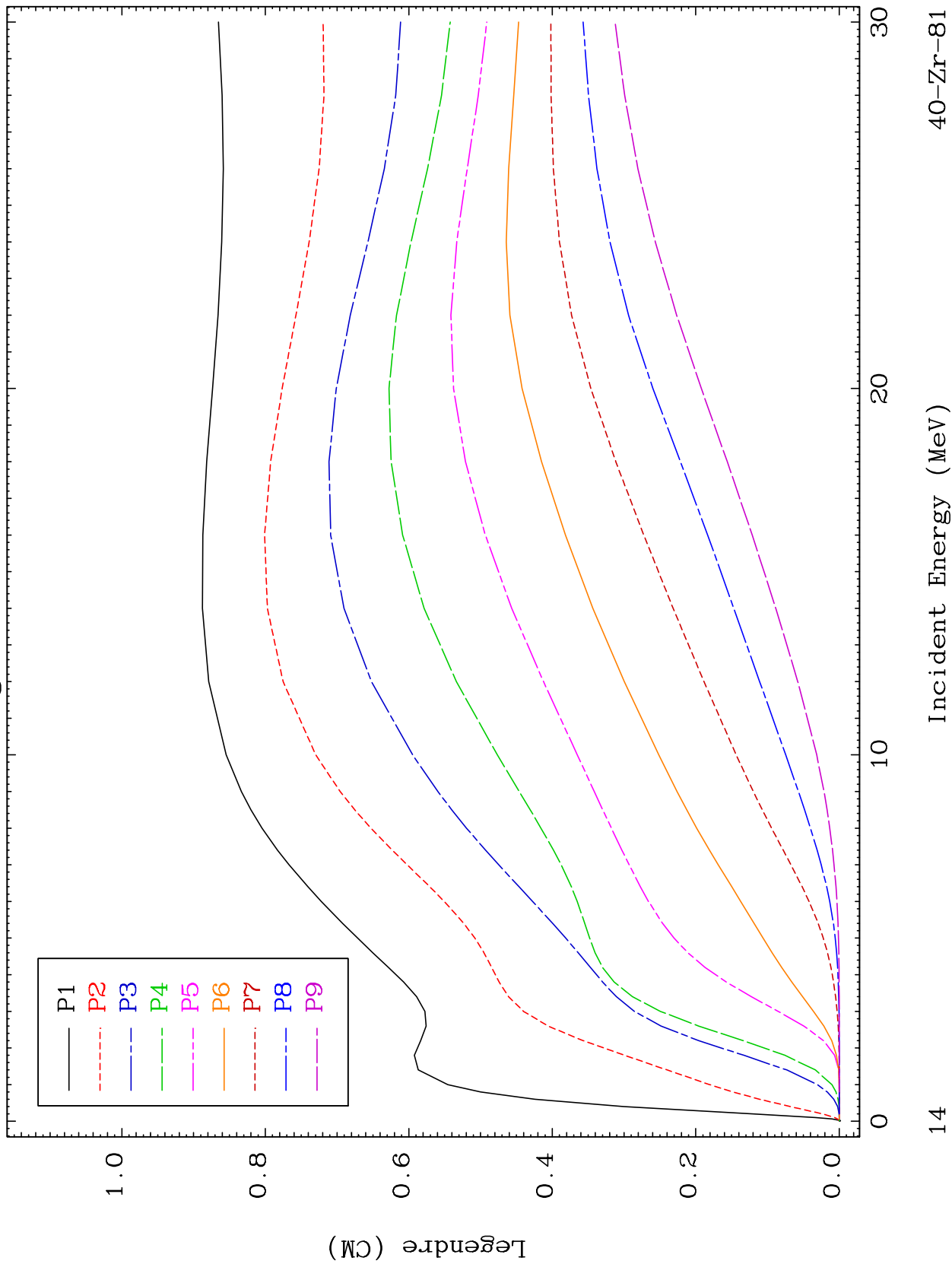
40-Zr-81



MAT 3998

Elastic Legendre Coefficients

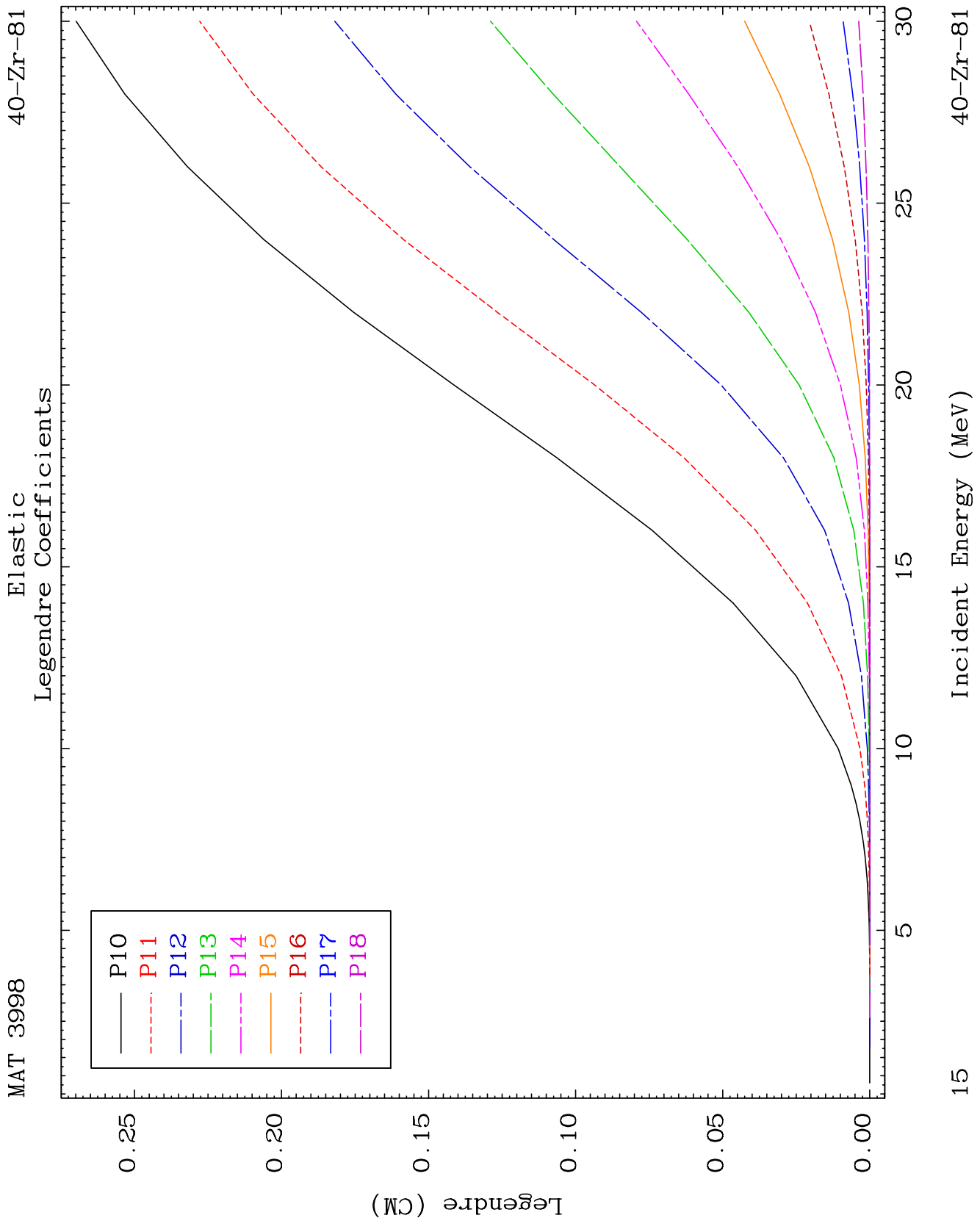
40-Zr-81



14

Incident Energy (MeV)

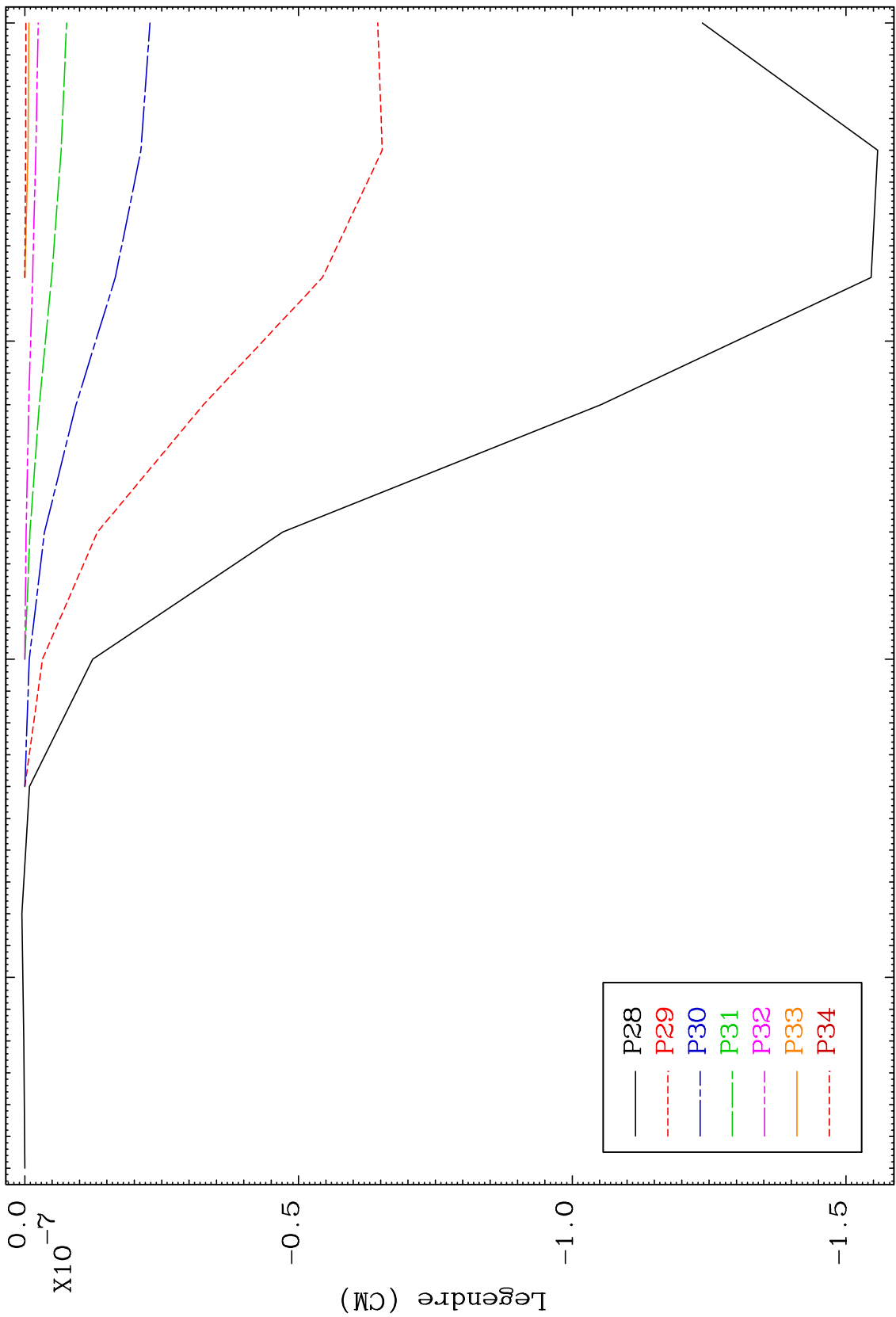
40-Zr-81



MAT 3998

40-Zr-81

Elastic Legendre Coefficients



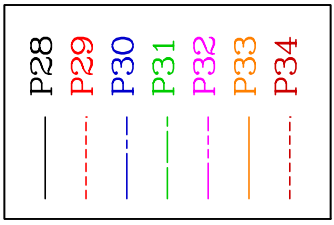
$\times 10^{-7}$

Legendre (CM)

-1.0

-0.5

0.0



17

Incident Energy (MeV)

15

20

25

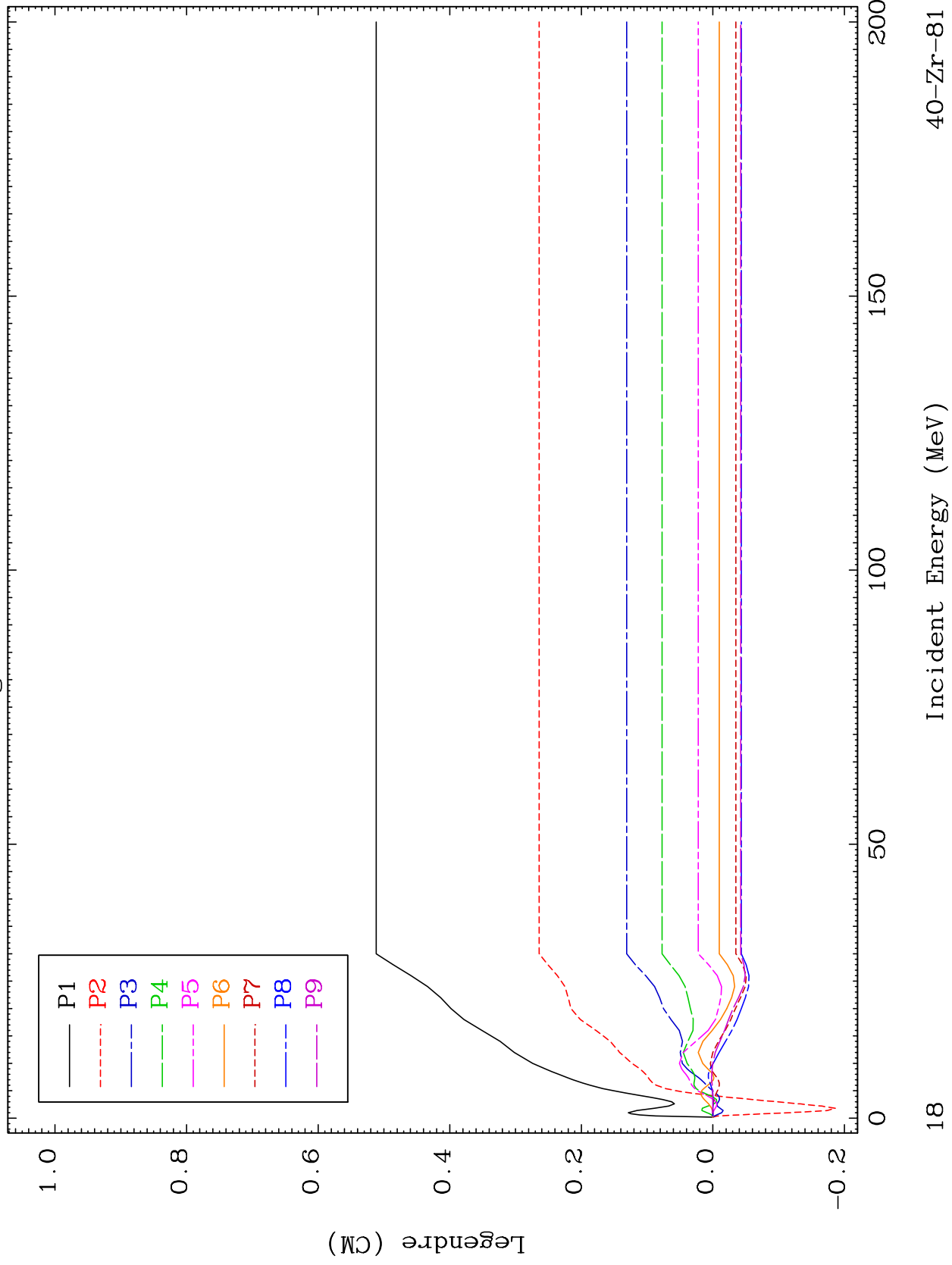
30

40-Zr-81

MAT 3998

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

40-Zr-81



18

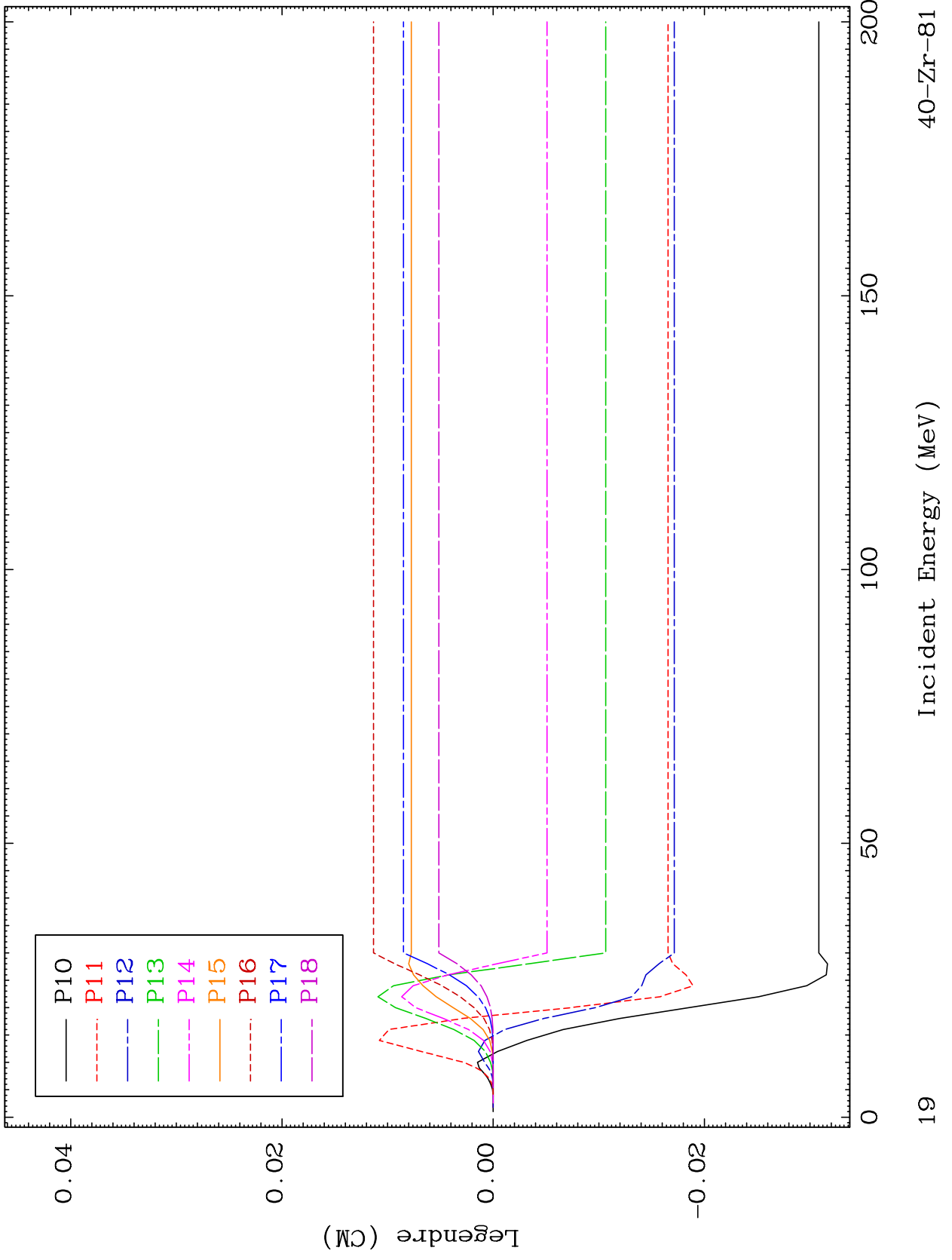
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

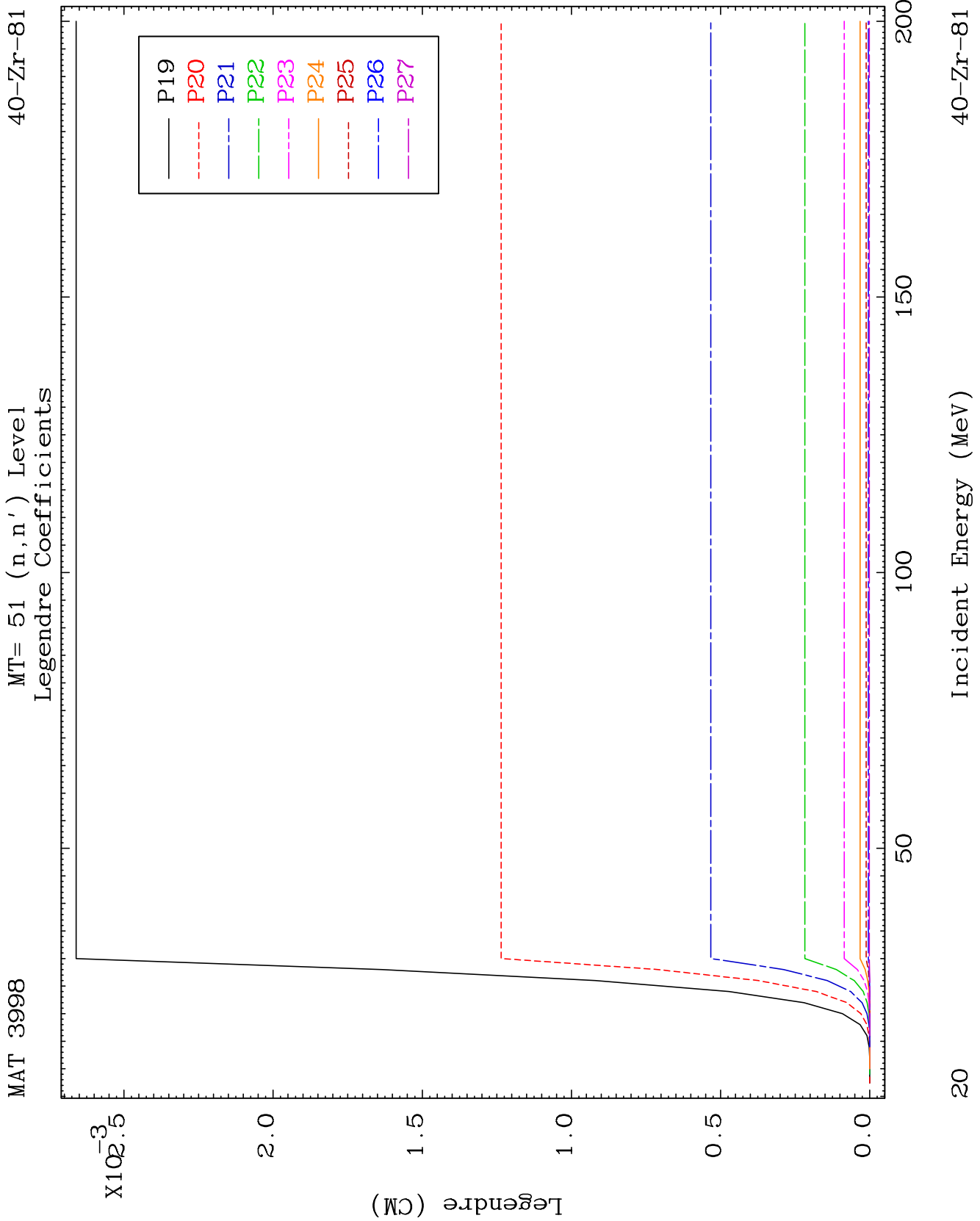
40-Zr-81



19

Incident Energy (MeV)

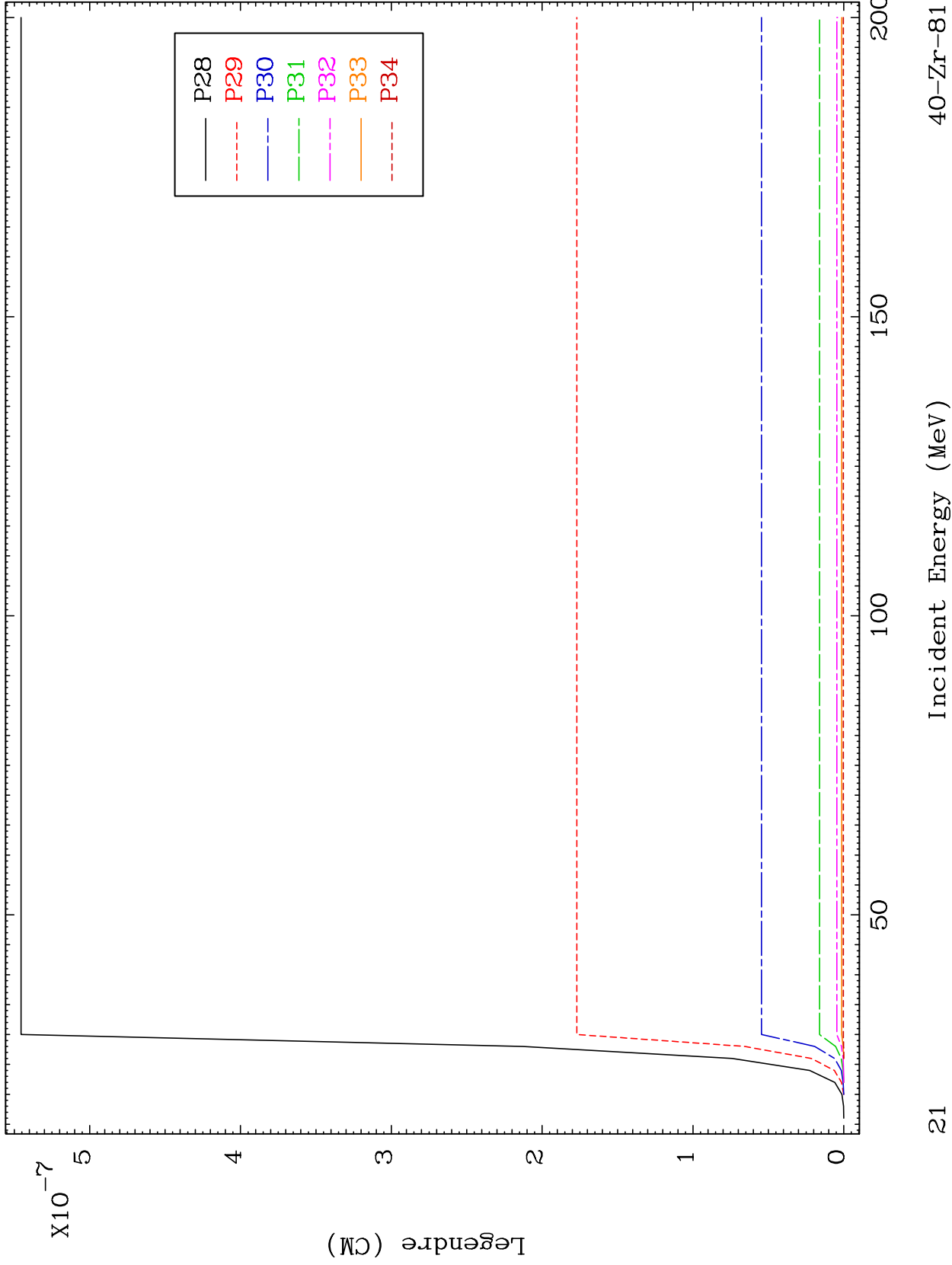
40-Zr-81



MAT 3998

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

40-Zr-81

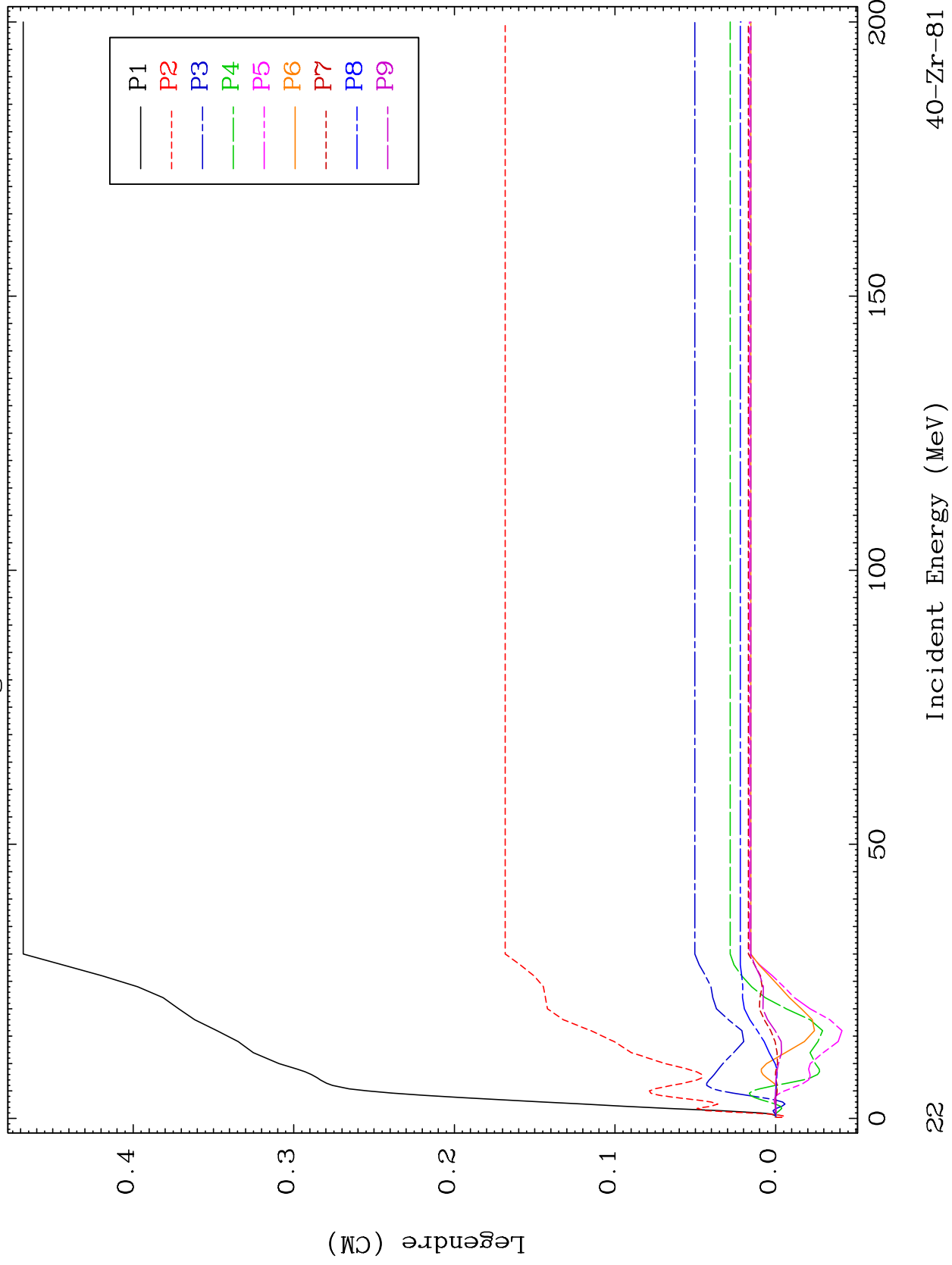


21

MAT 3998

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

40-Zr-81

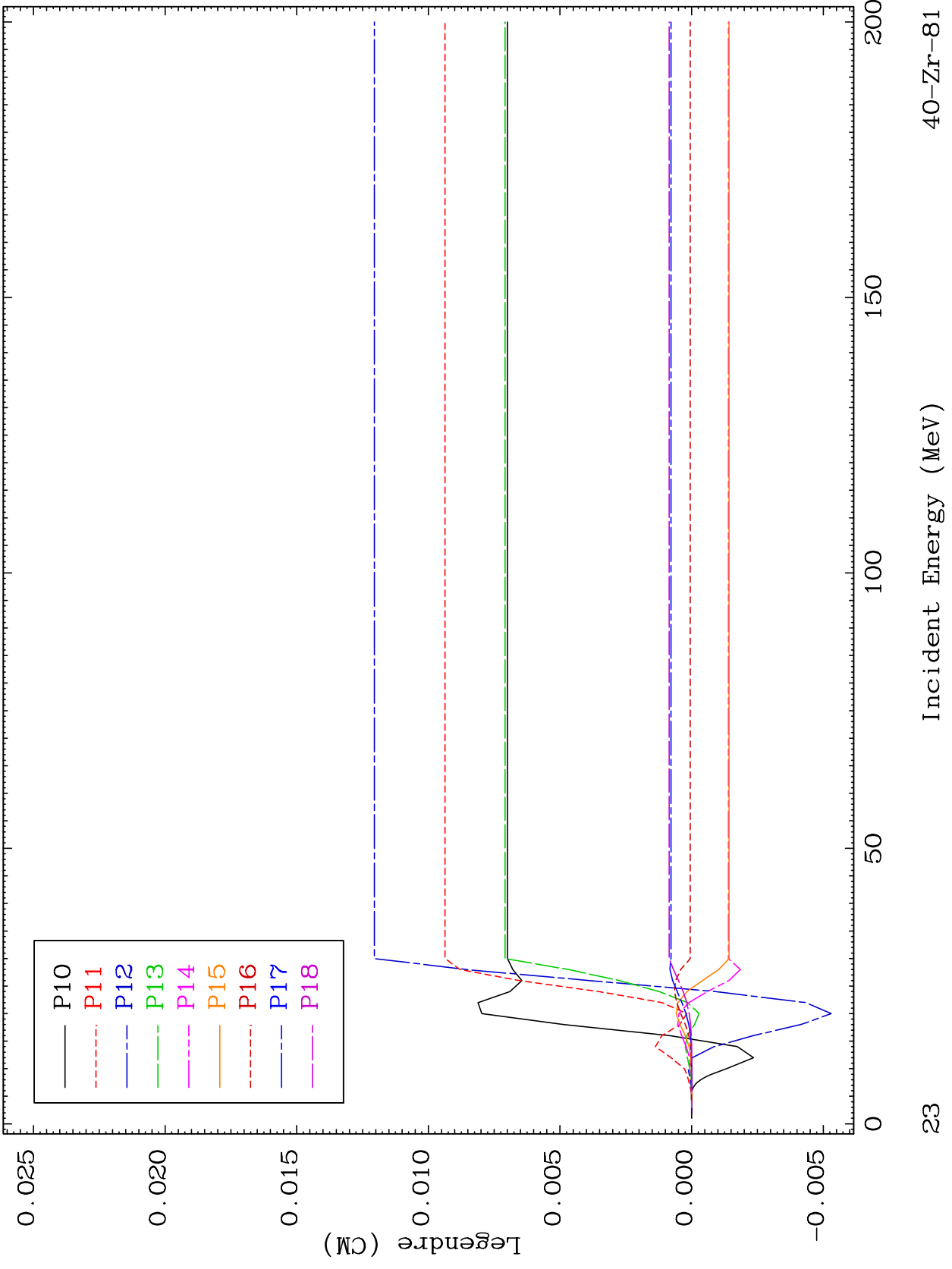


22

MAT 3998

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

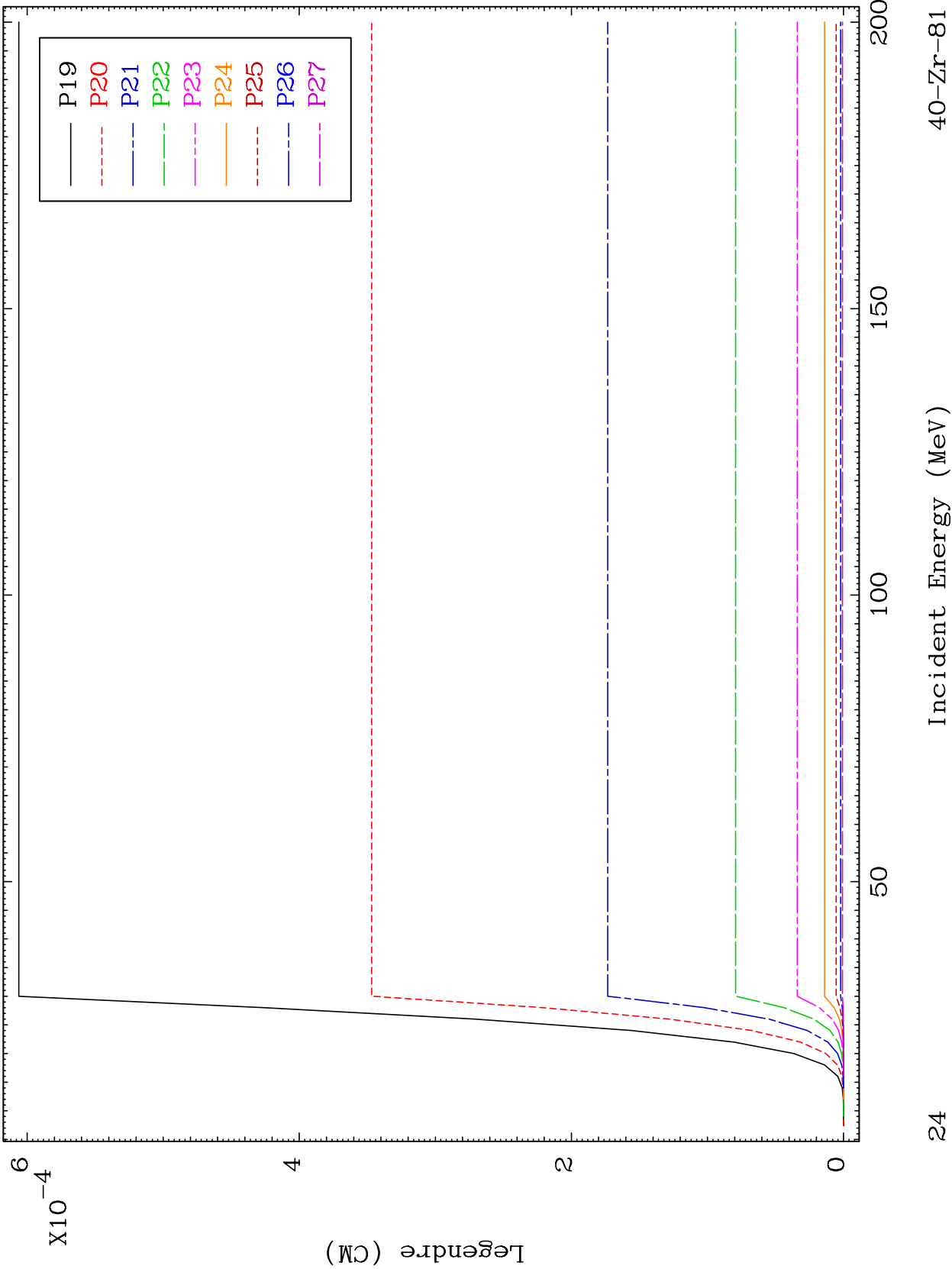
40-Zr-81



MAT 3998

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

40-Zr-81



24

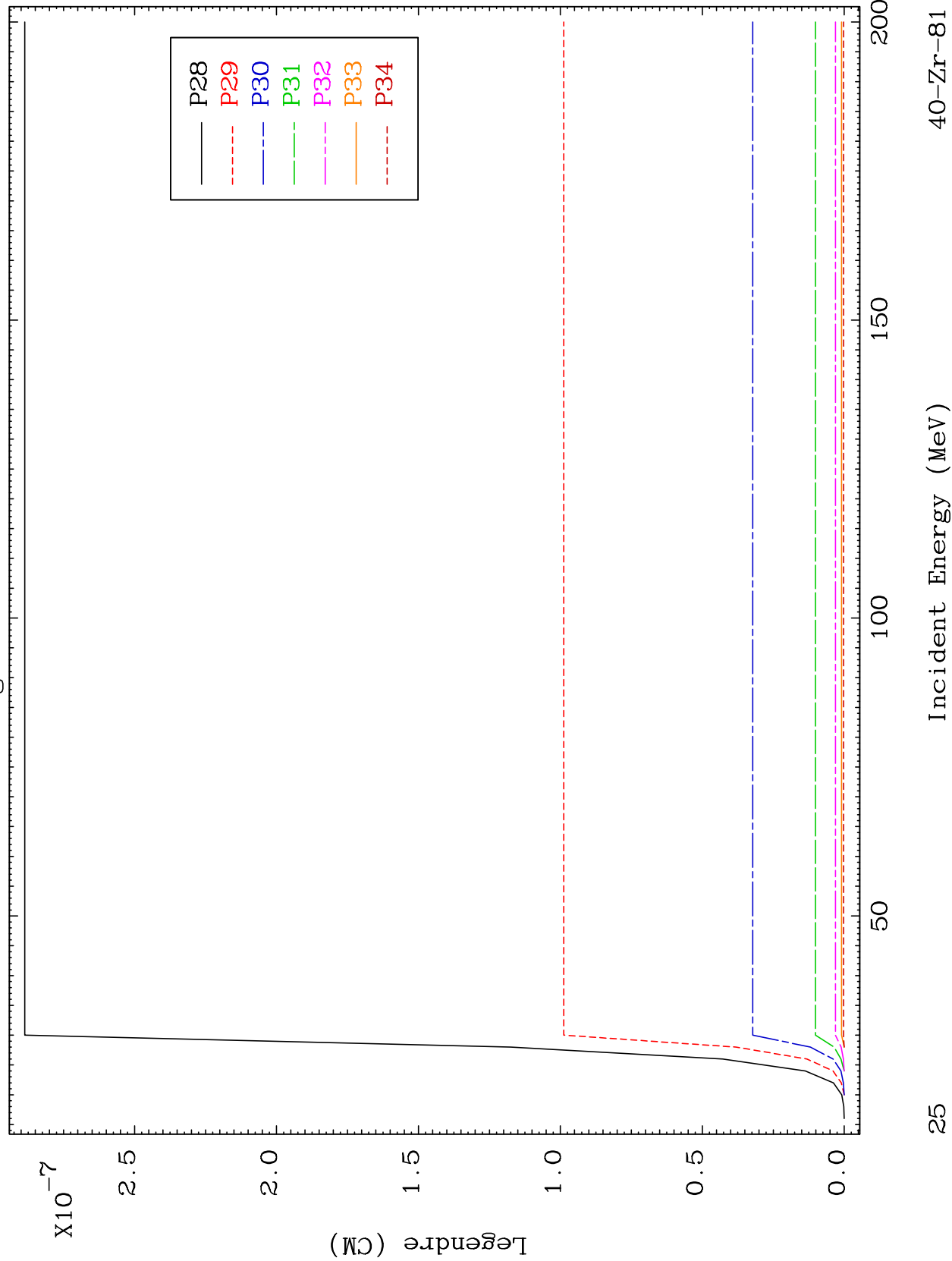
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

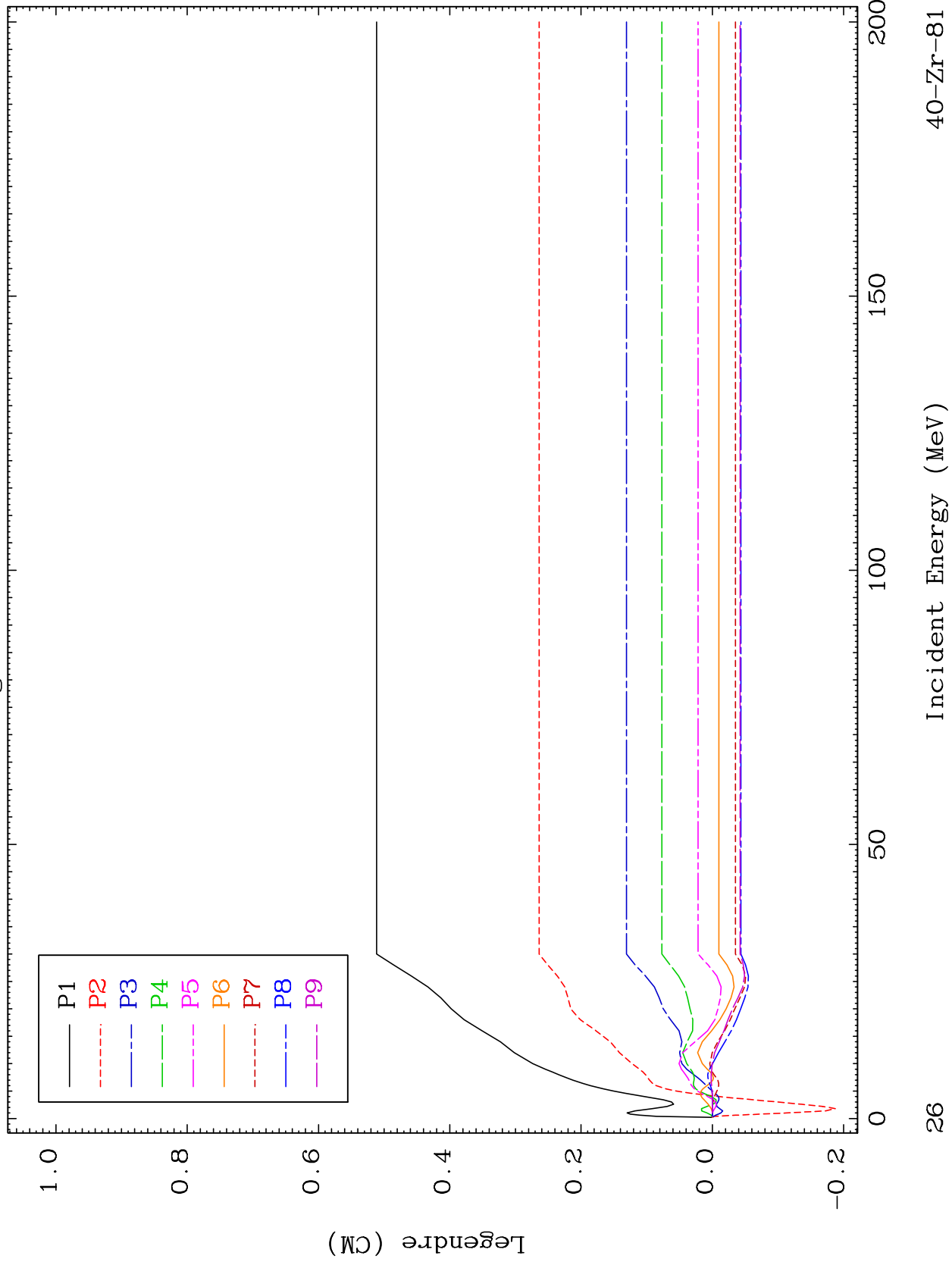
40-Zr-81



MAT 3998

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

40-Zr-81



26

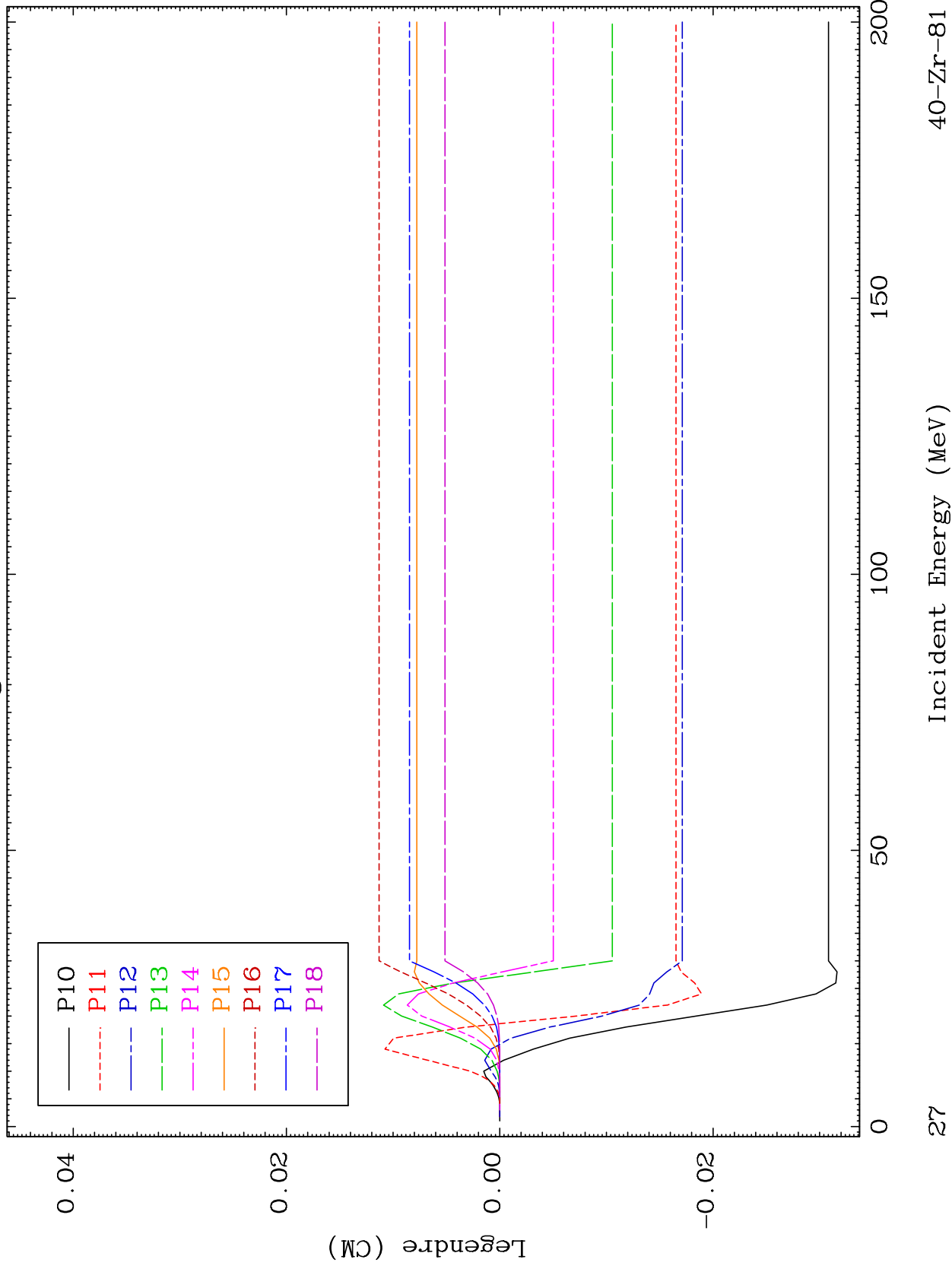
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

40-Zr-81



27

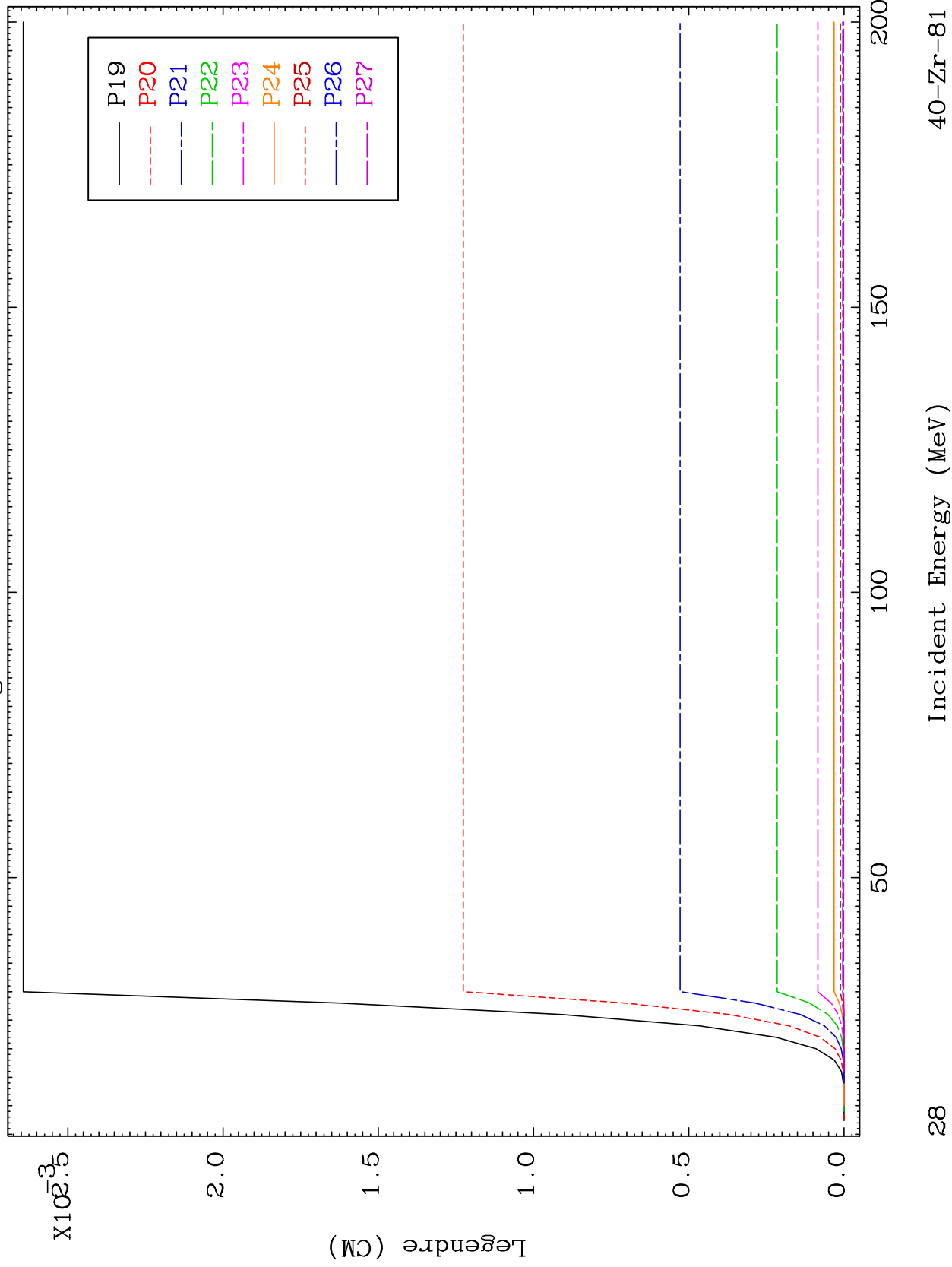
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

40-Zr-81

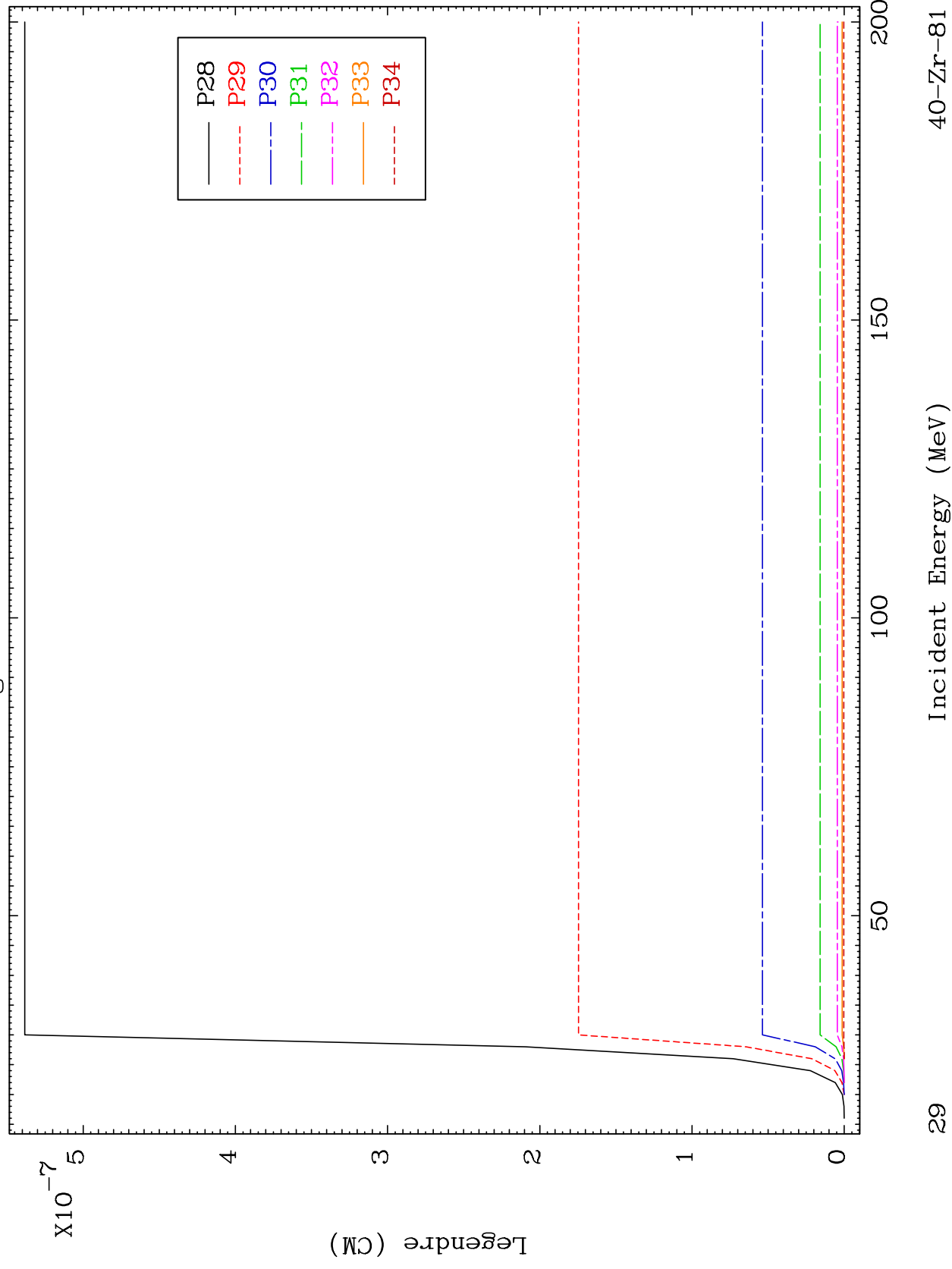


28

MAT 3998

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

40-Zr-81

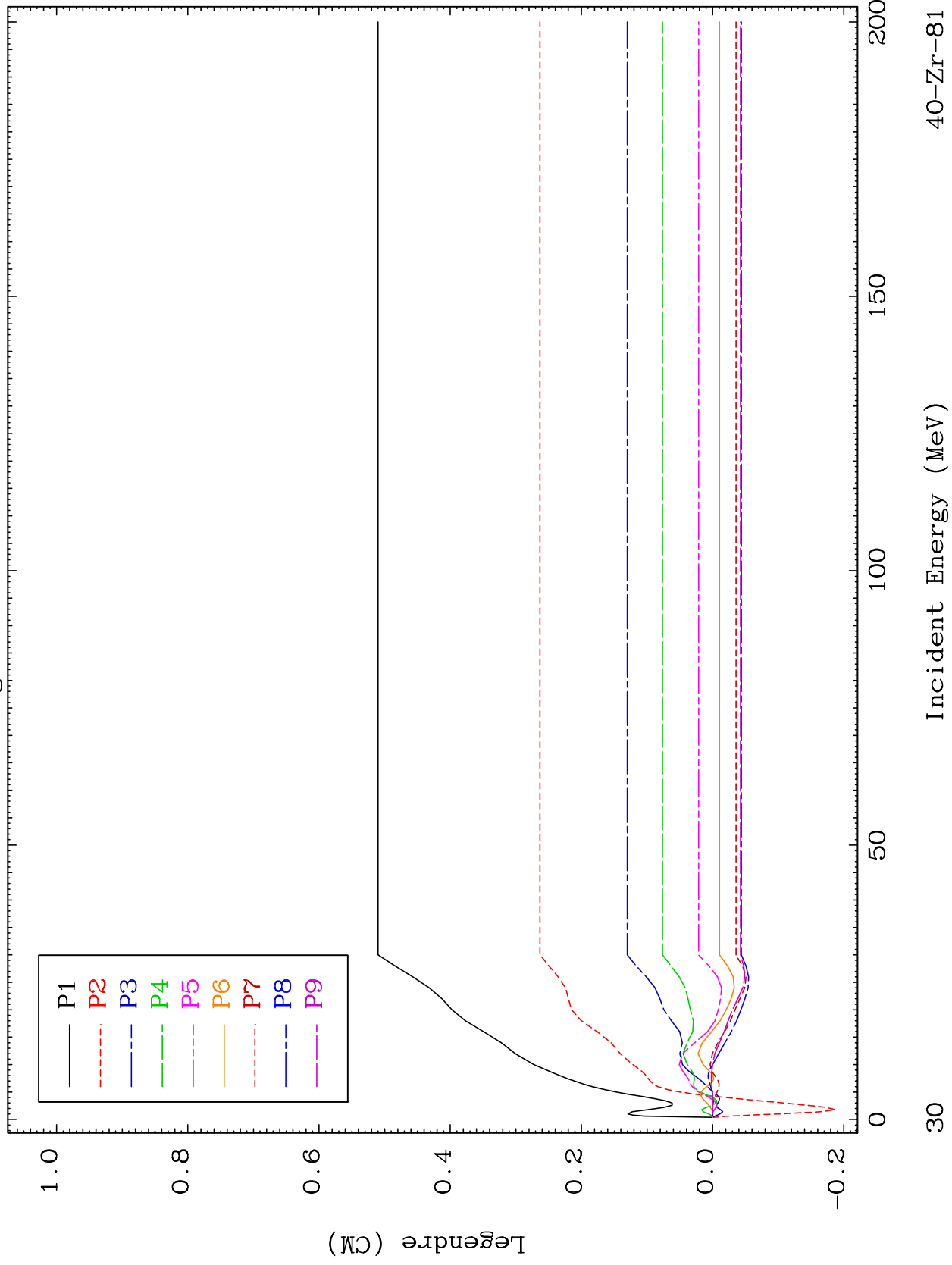


29

MAT 3998

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

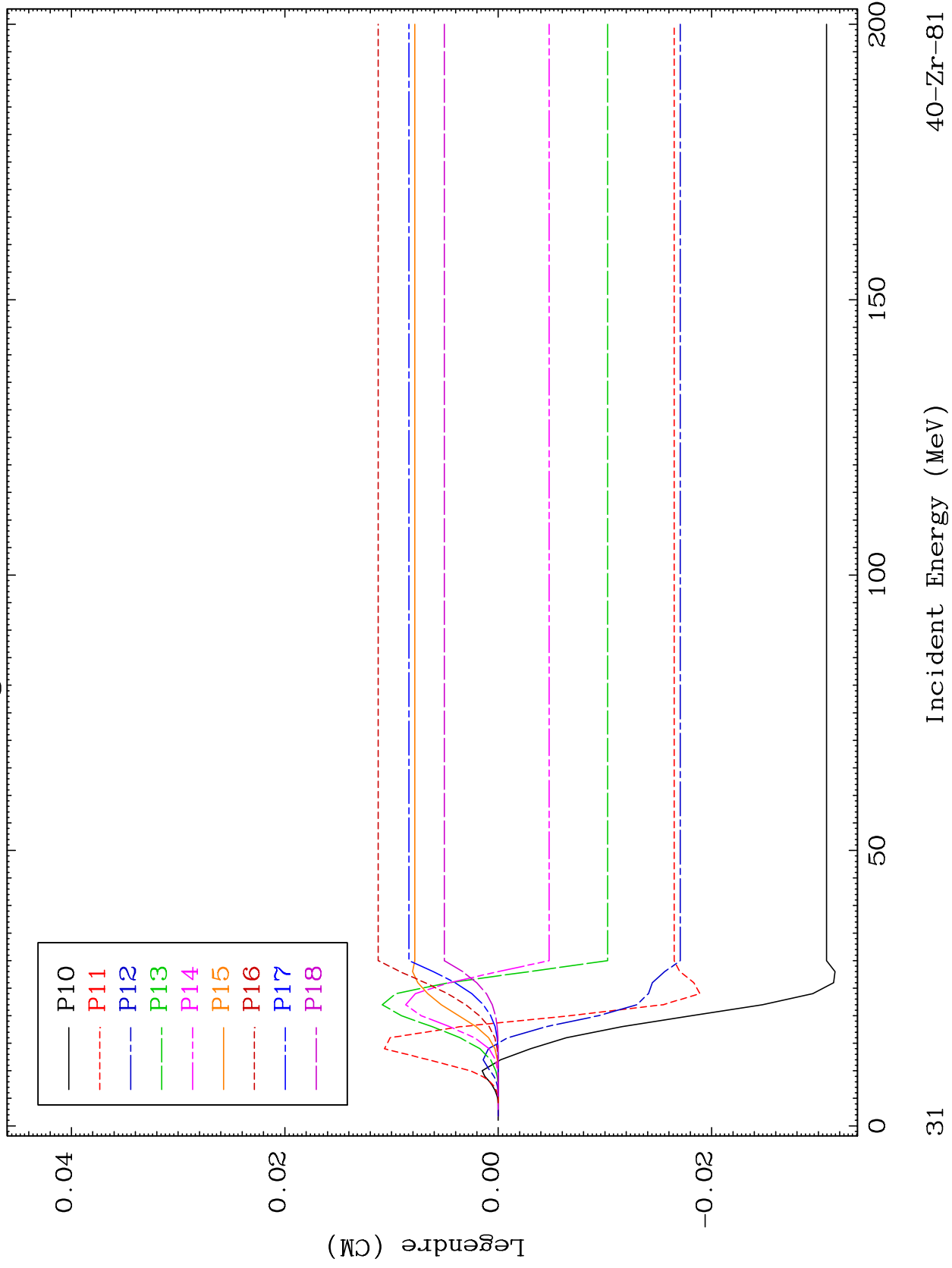
40-Zr-81



MAT 3998

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

40-Zr-81



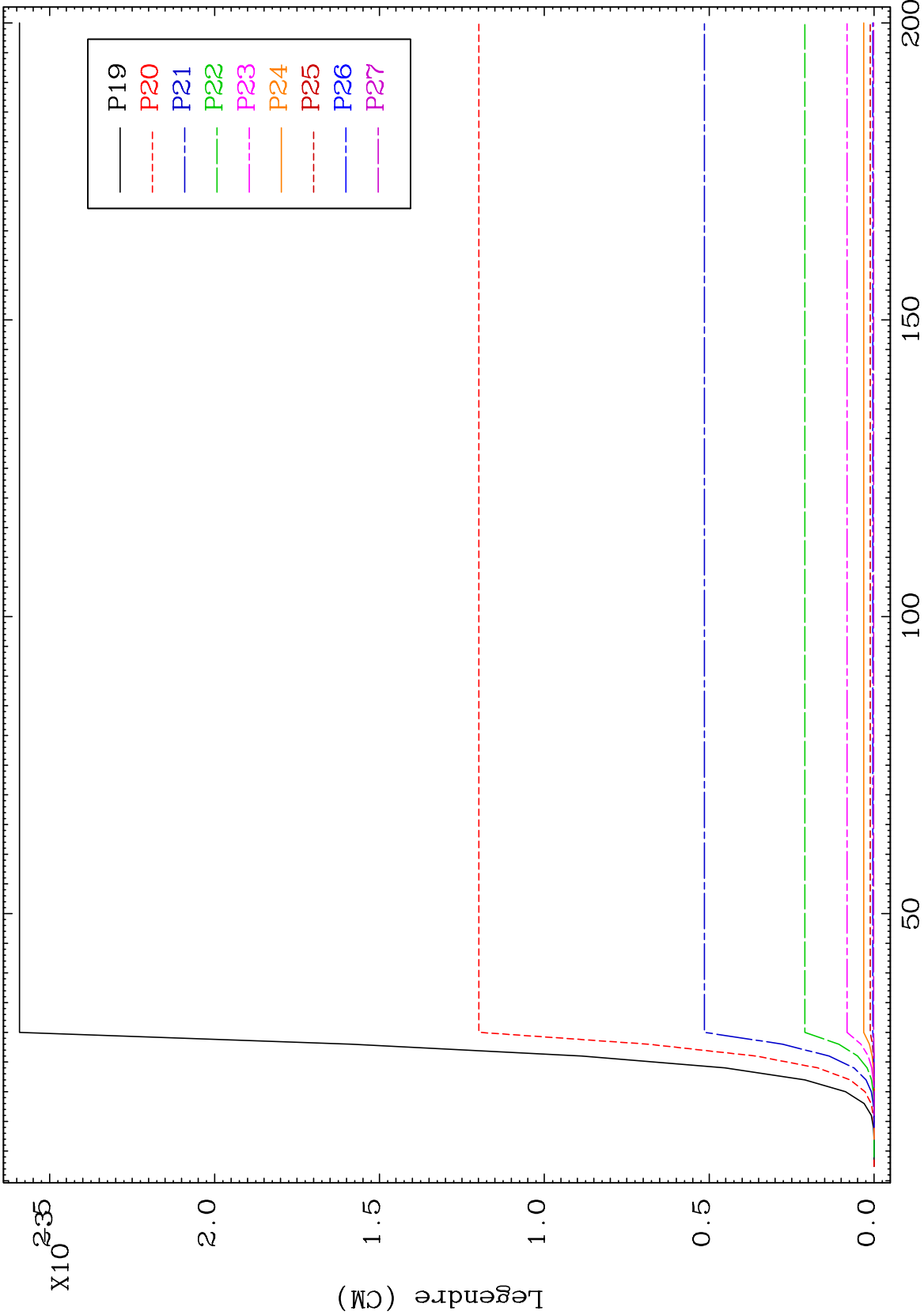
31

40-Zr-81

MAT 3998

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

40-Zr-81



32

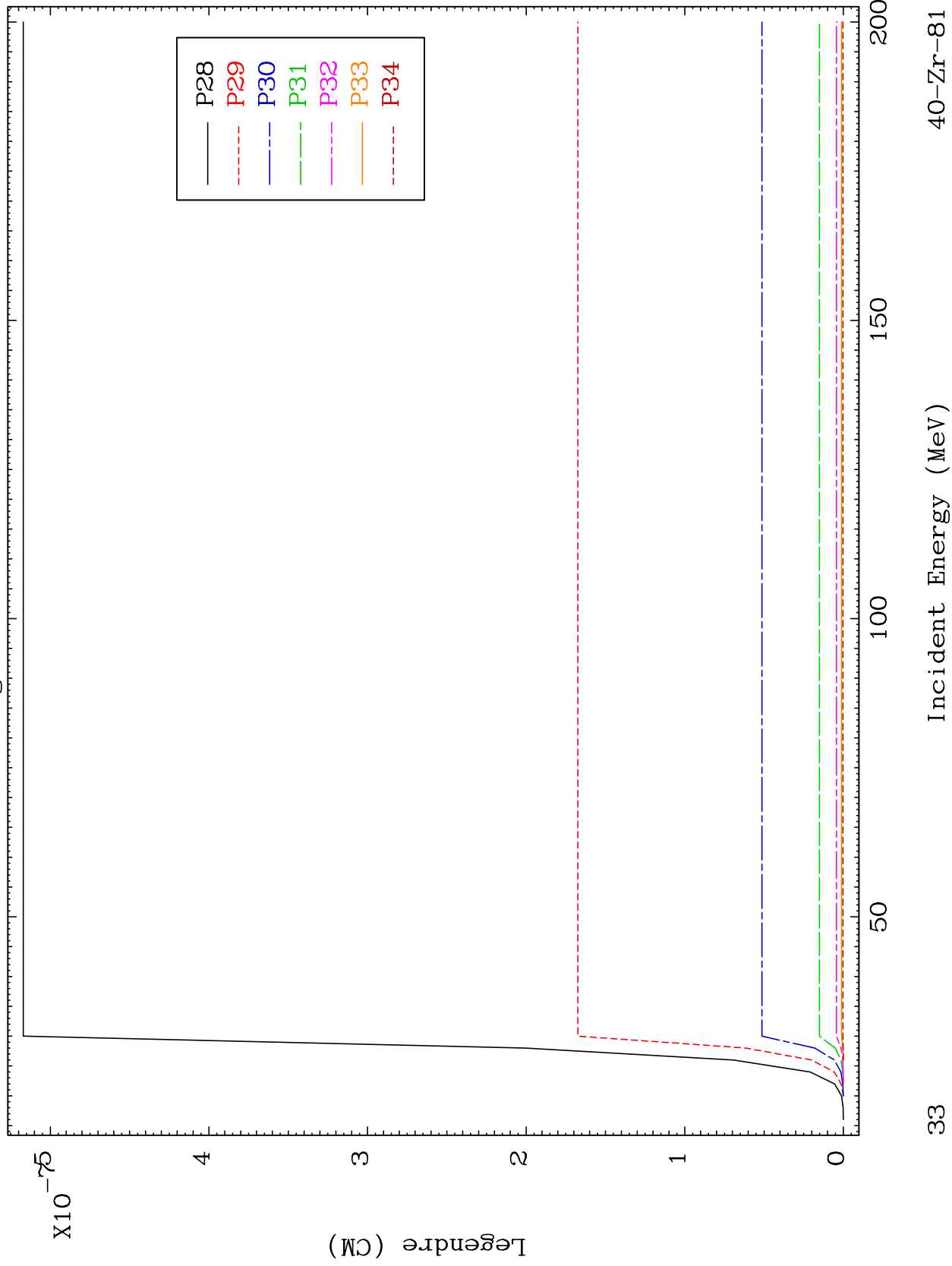
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

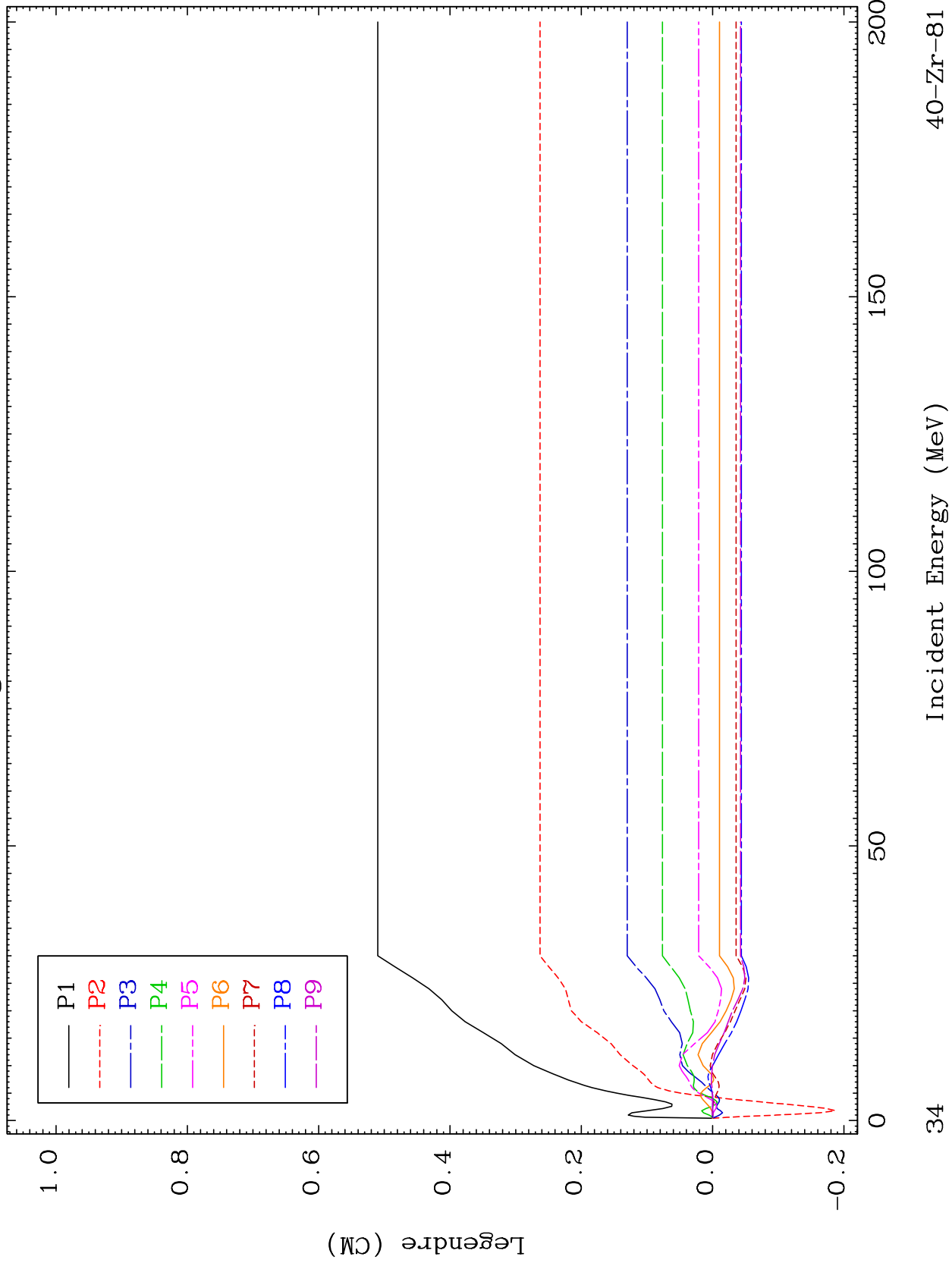
40-Zr-81



MAT 3998

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

40-Zr-81



34

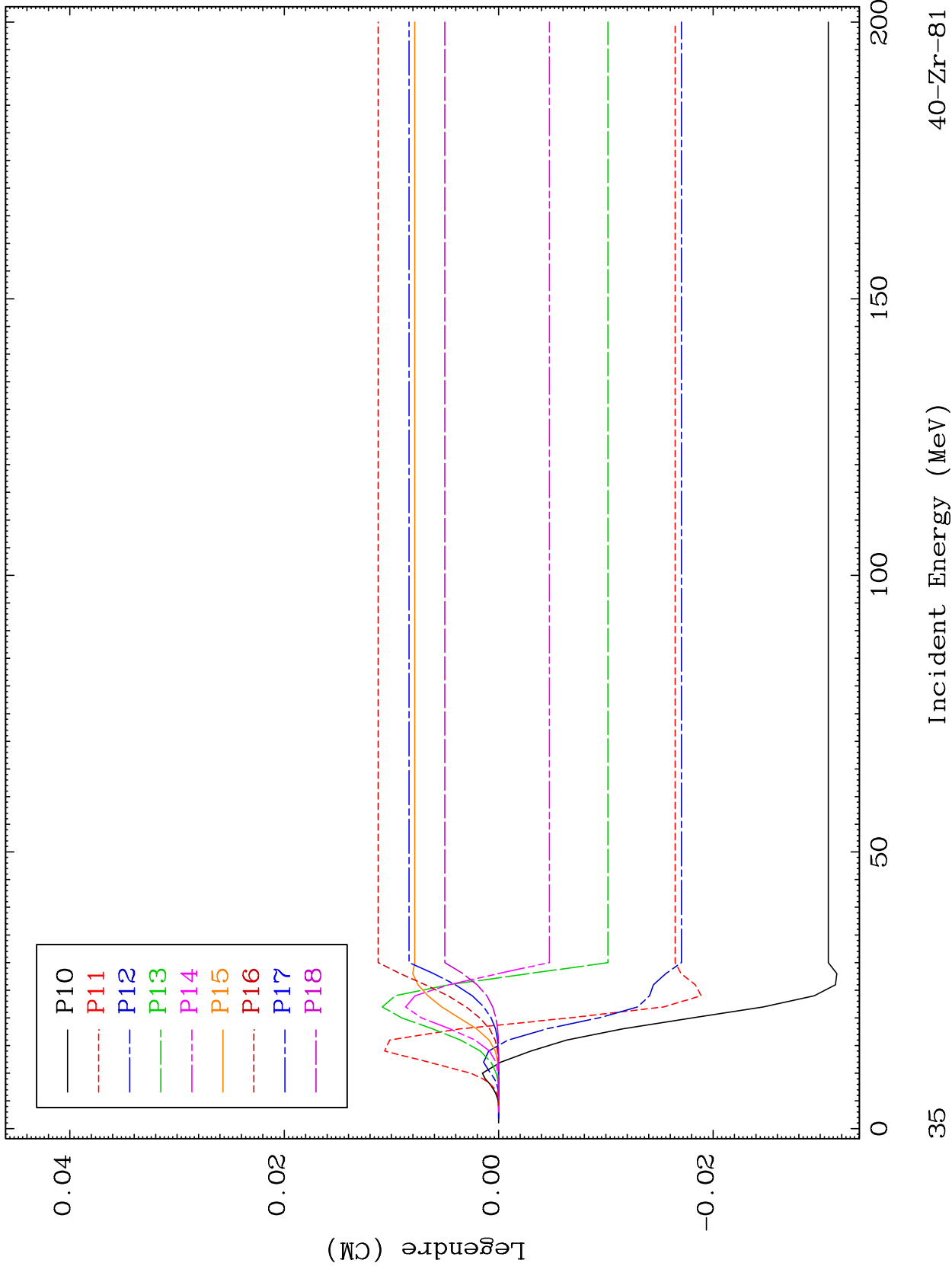
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

40-Zr-81



35

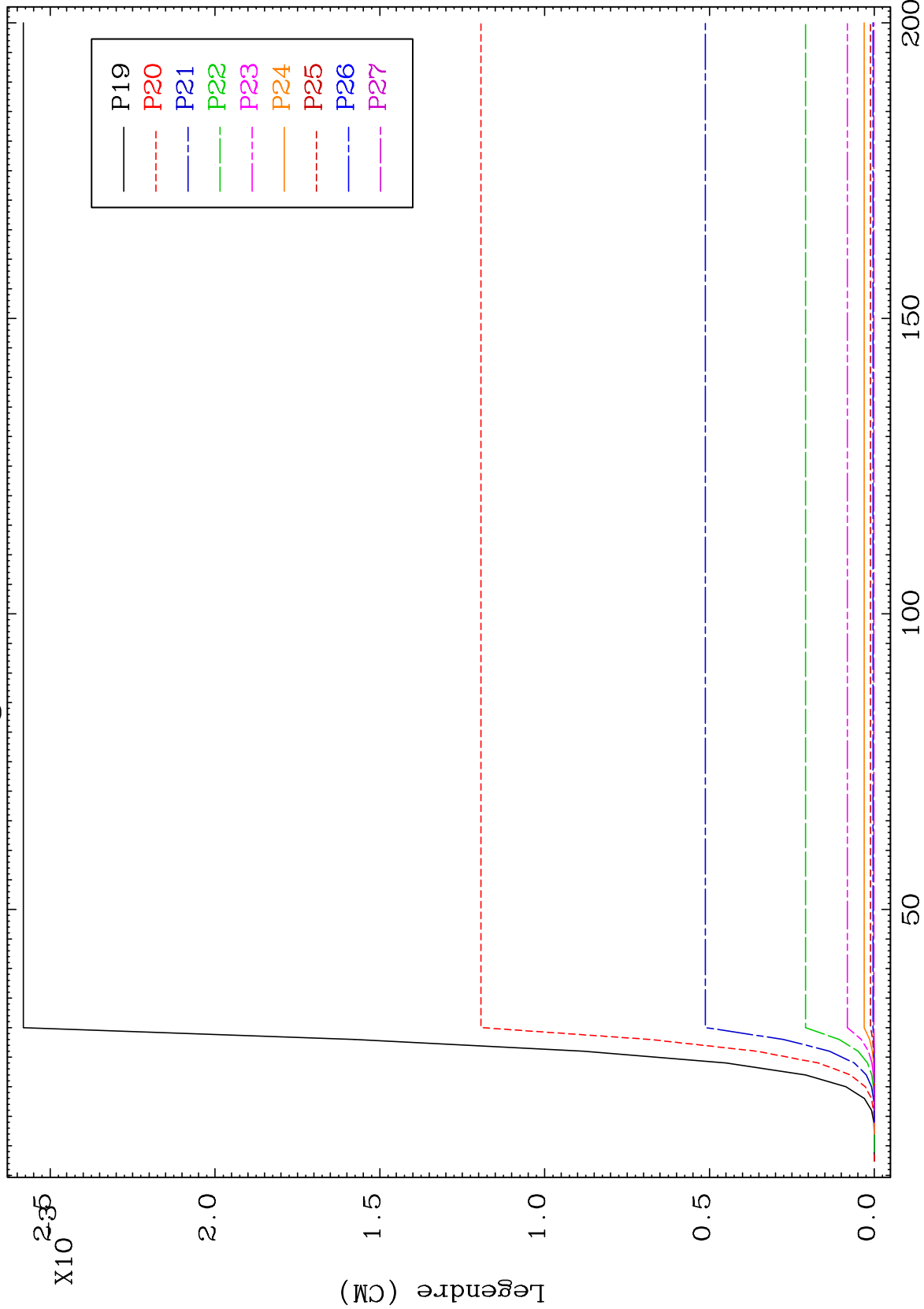
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

40-Zr-81



36

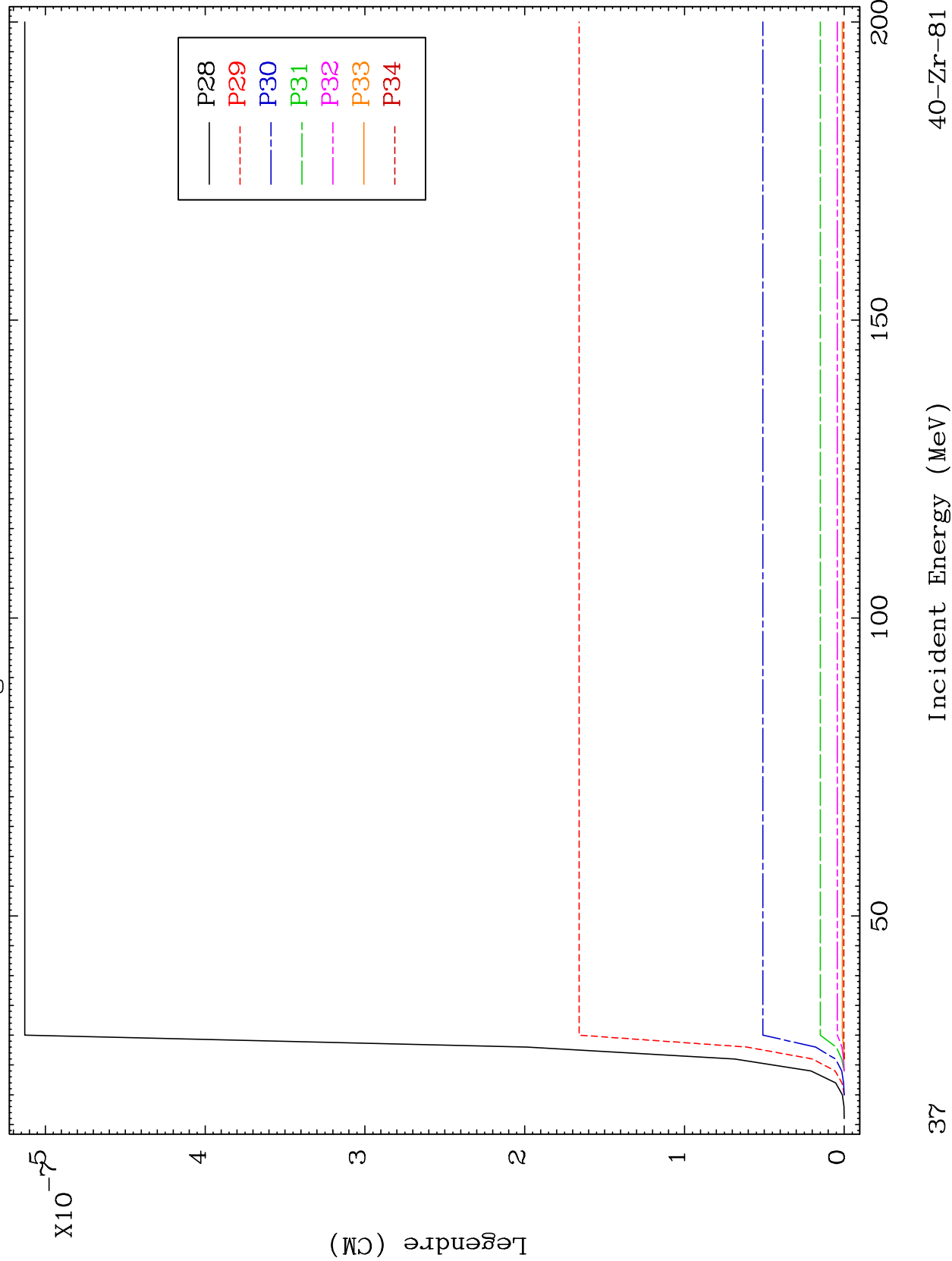
Incident Energy (MeV)

40-Zr-81

MAT 3998

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

40-Zr-81

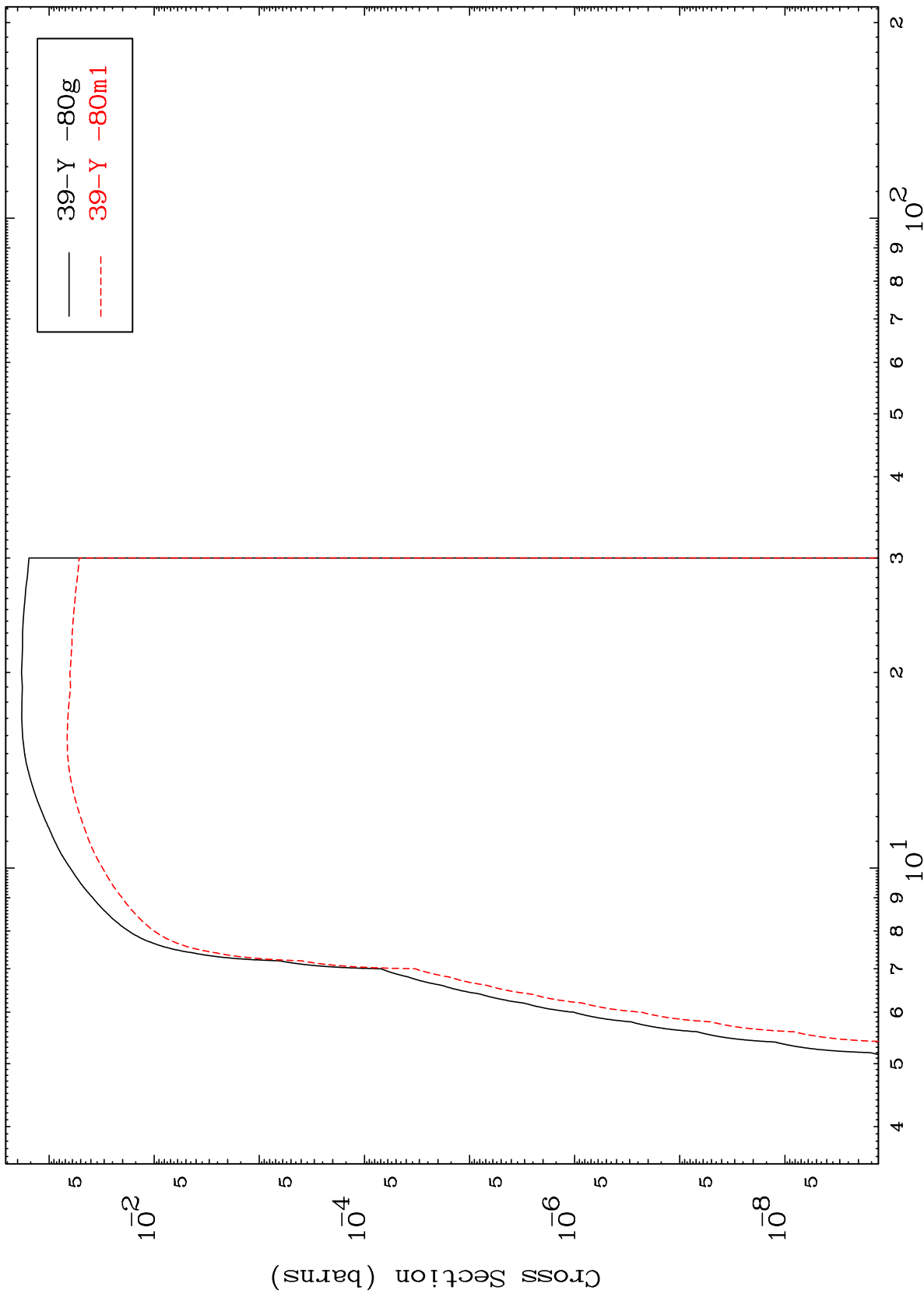


MAT 3998

(n,n') p

40-Zr-81

Radionuclide Production Cross Section



38

Incident Energy (MeV)

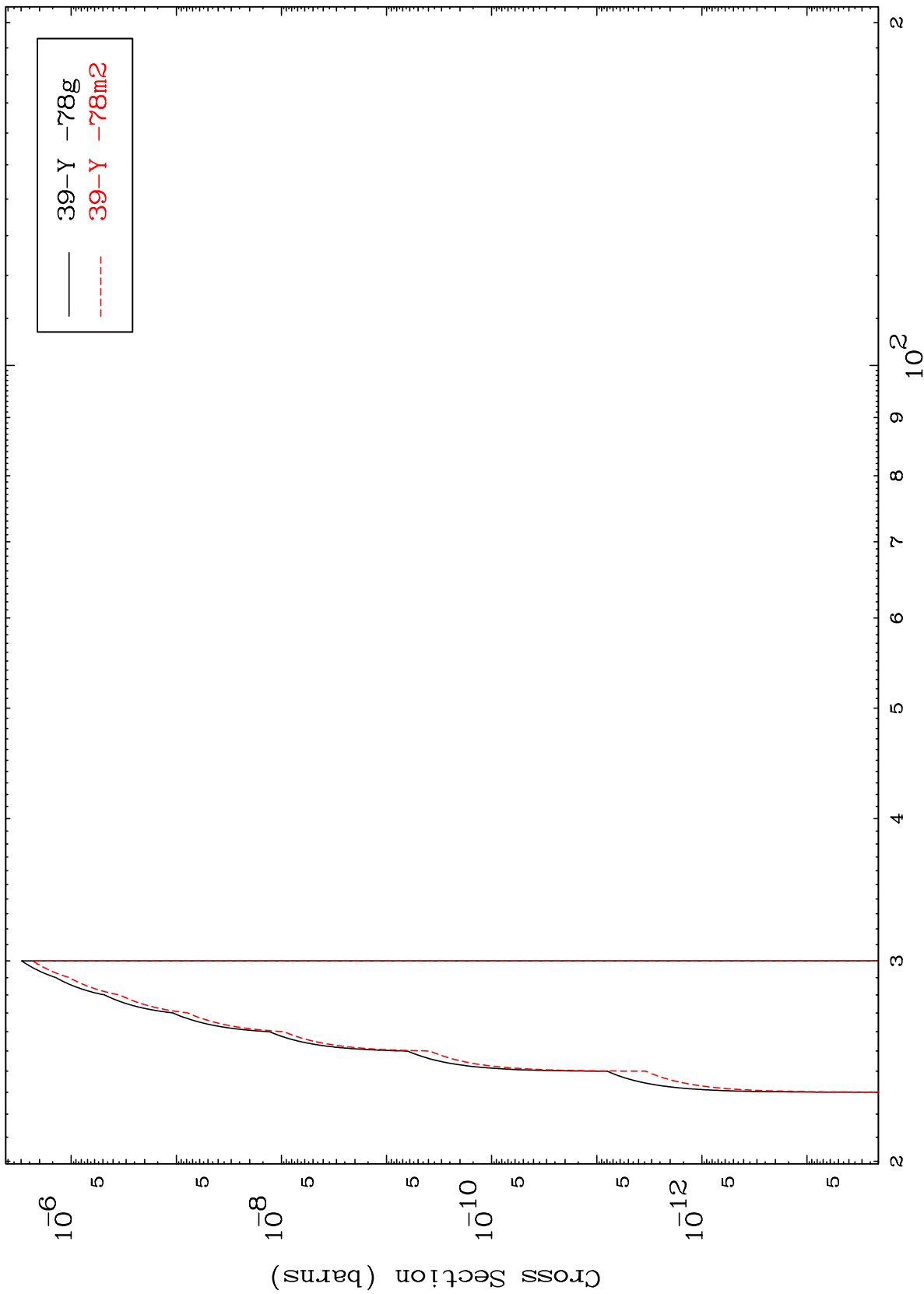
40-Zr-81

MAT 3998

(n,n') t

40-Zr-81

Radionuclide Production Cross Section



39

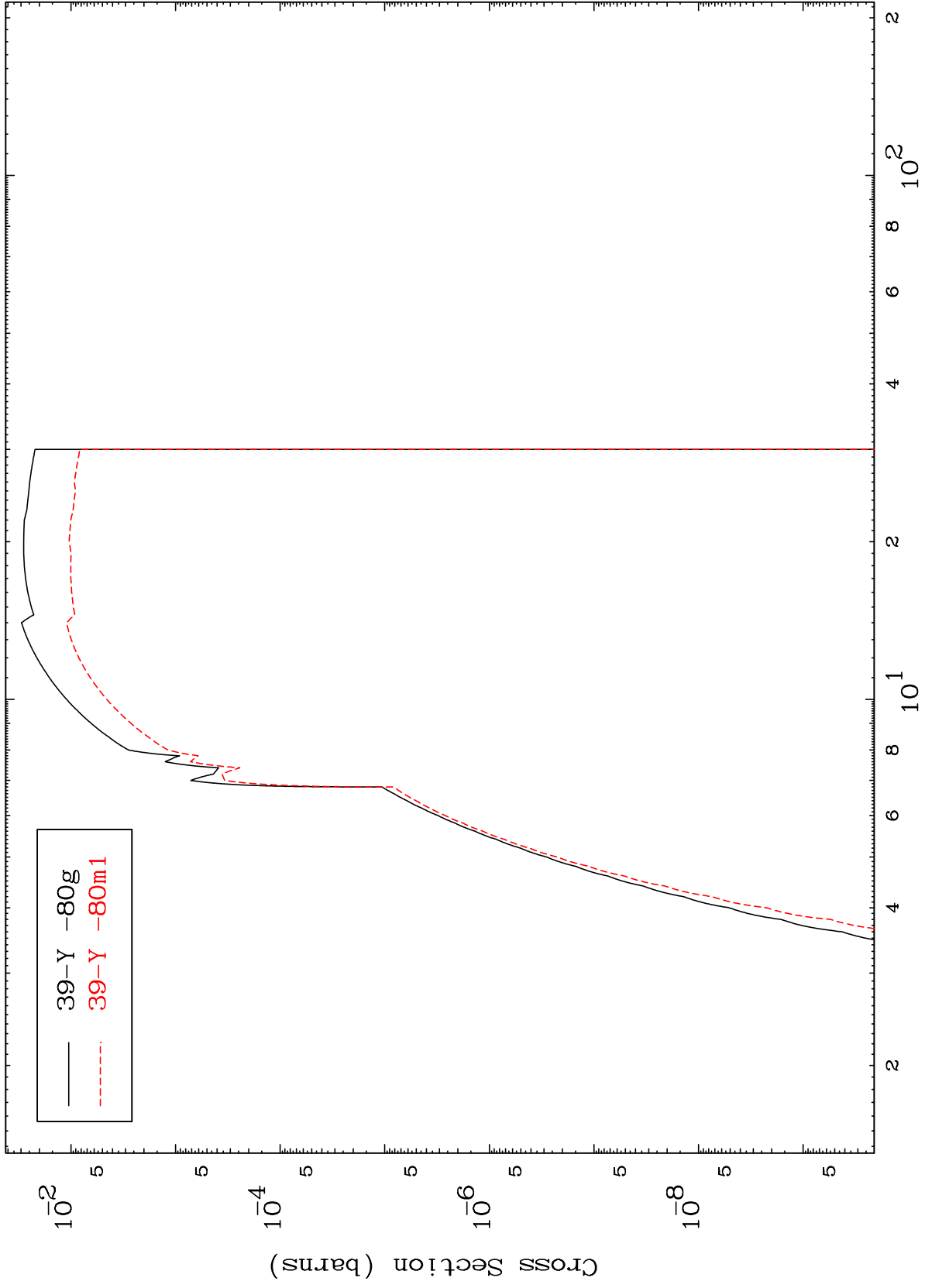
Incident Energy (MeV)

40-Zr-81

MAT 3998

40-Zr-81

(n,d)
Radionuclide Production Cross Section



— 39-Y -80g
- - - 39-Y -80m1

40

Incident Energy (MeV)

40-Zr-81