

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

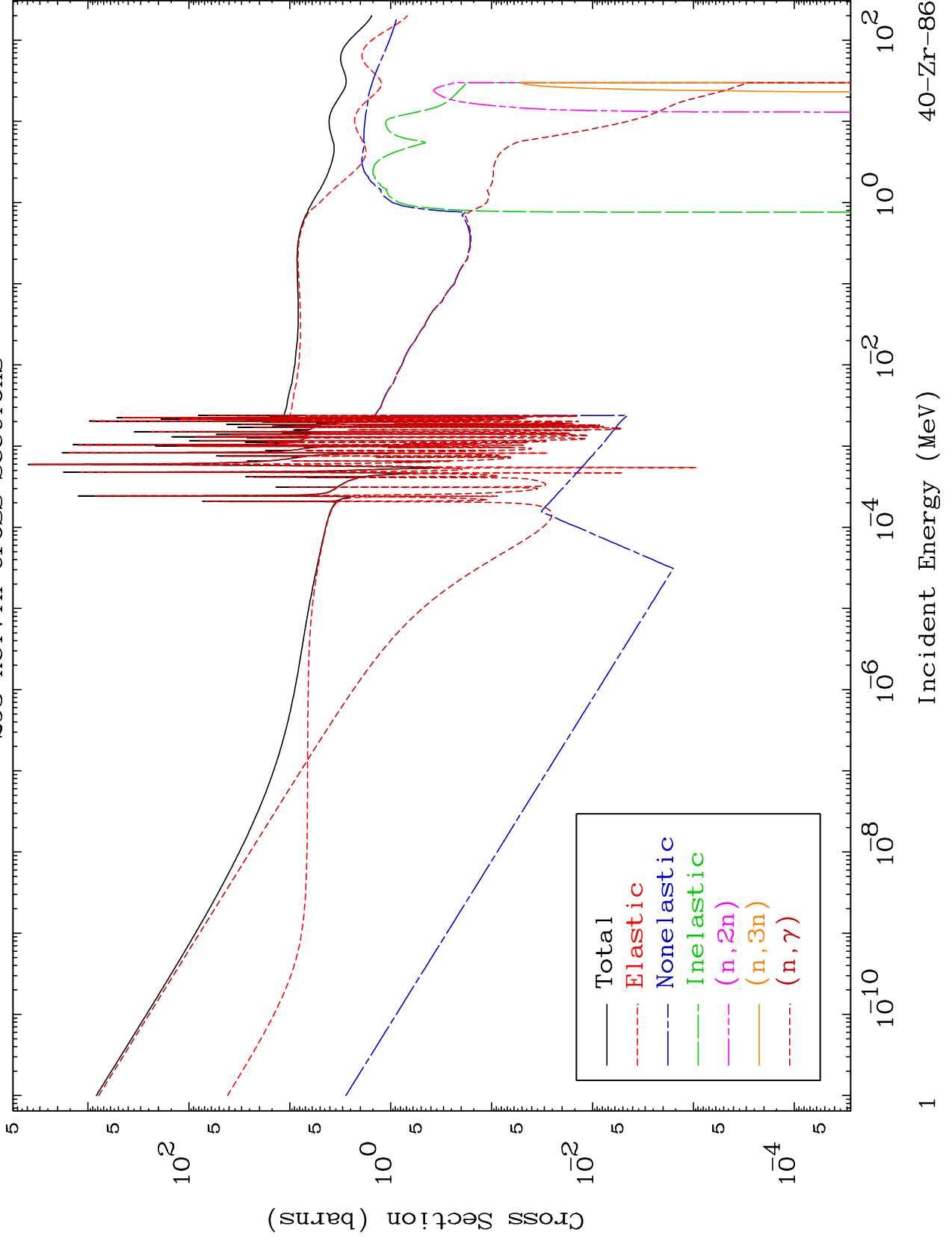
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4013

Neutron Major
293 Kelvin Cross Sections

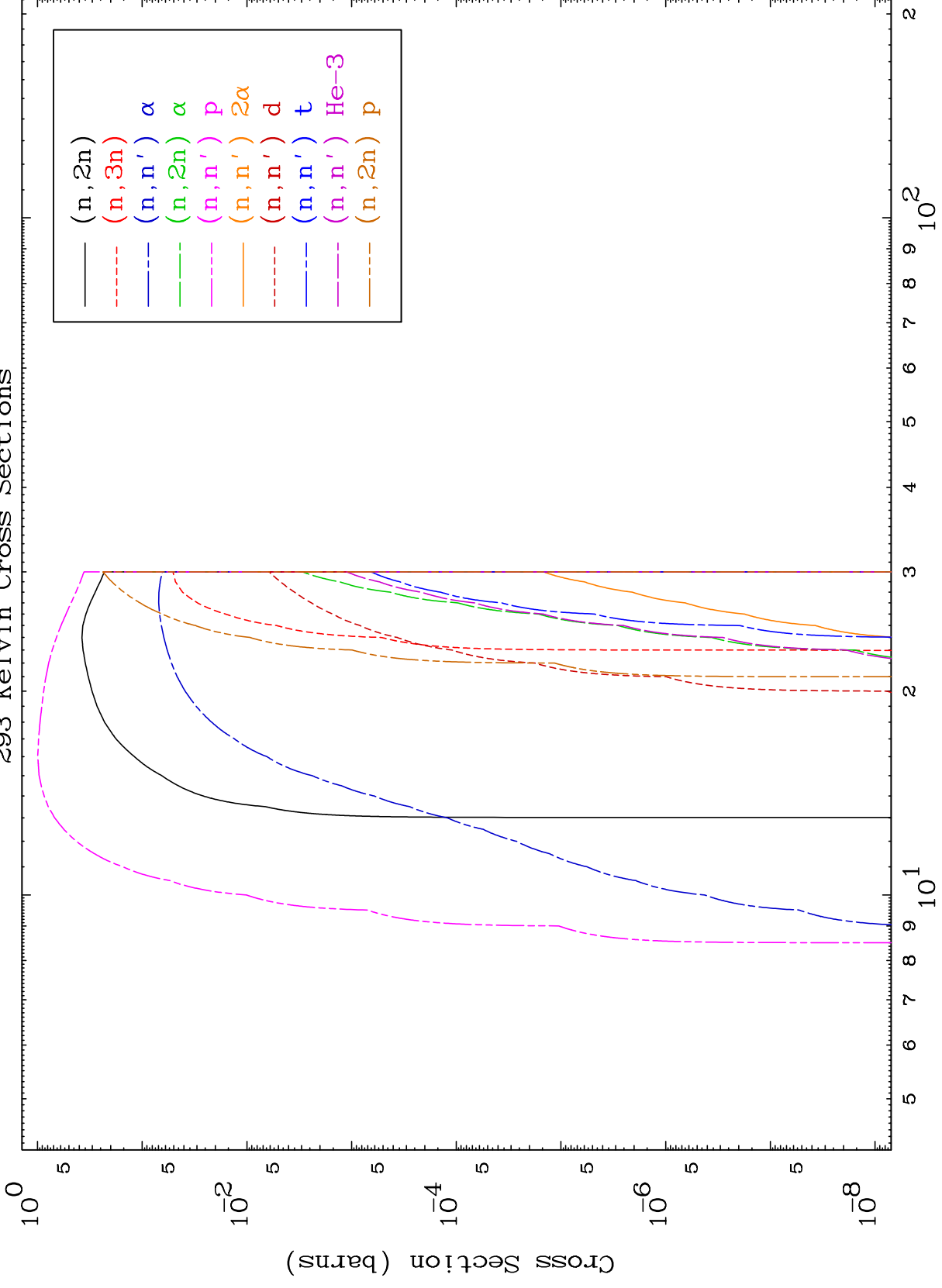
40-Zr-86



MAT 4013

Neutron Absorption
293 Kelvin Cross Sections

40-Zr-86



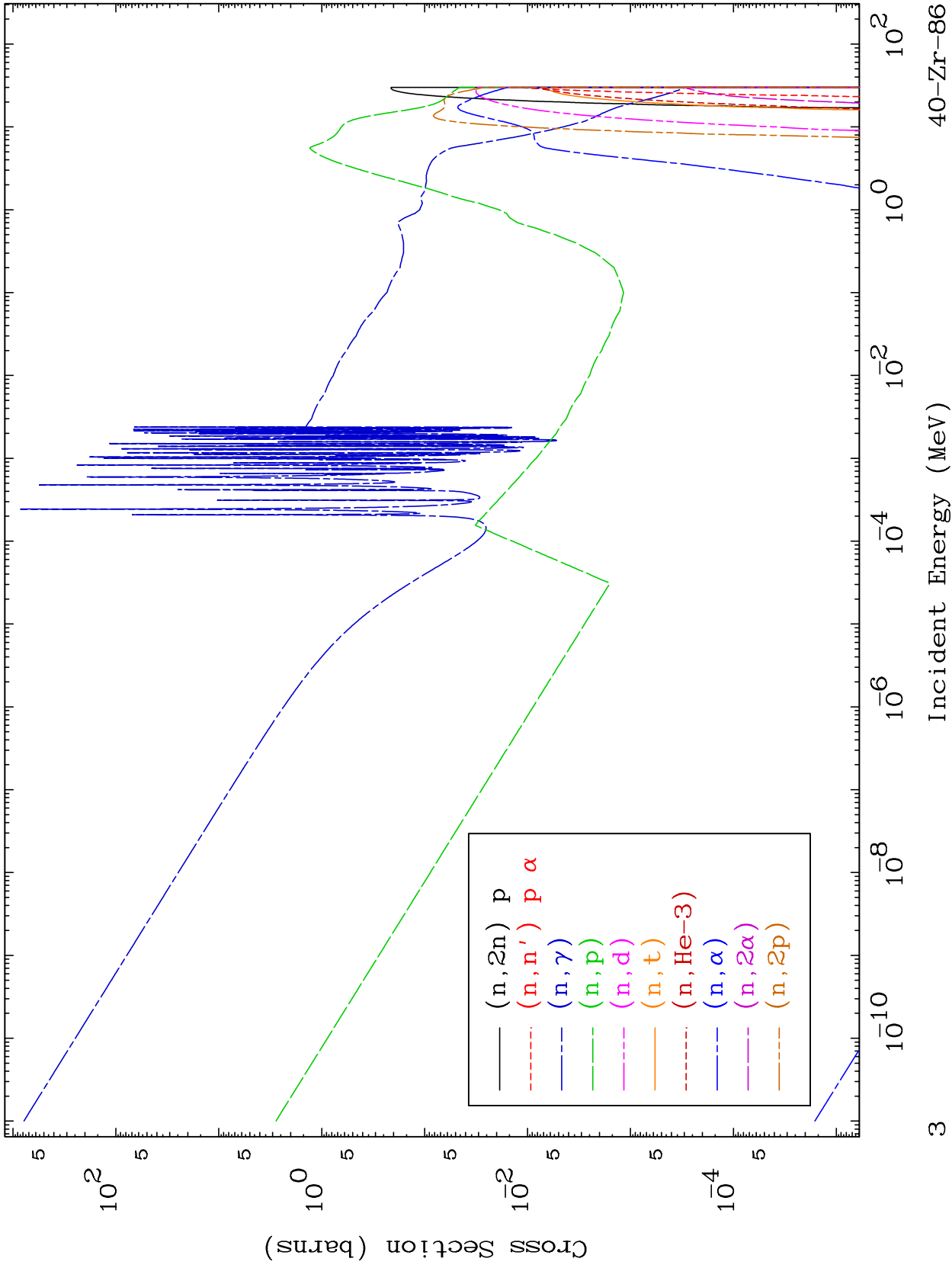
Incident Energy (MeV)

40-Zr-86

MAT 4013

Neutron Absorption
293 Kelvin Cross Sections

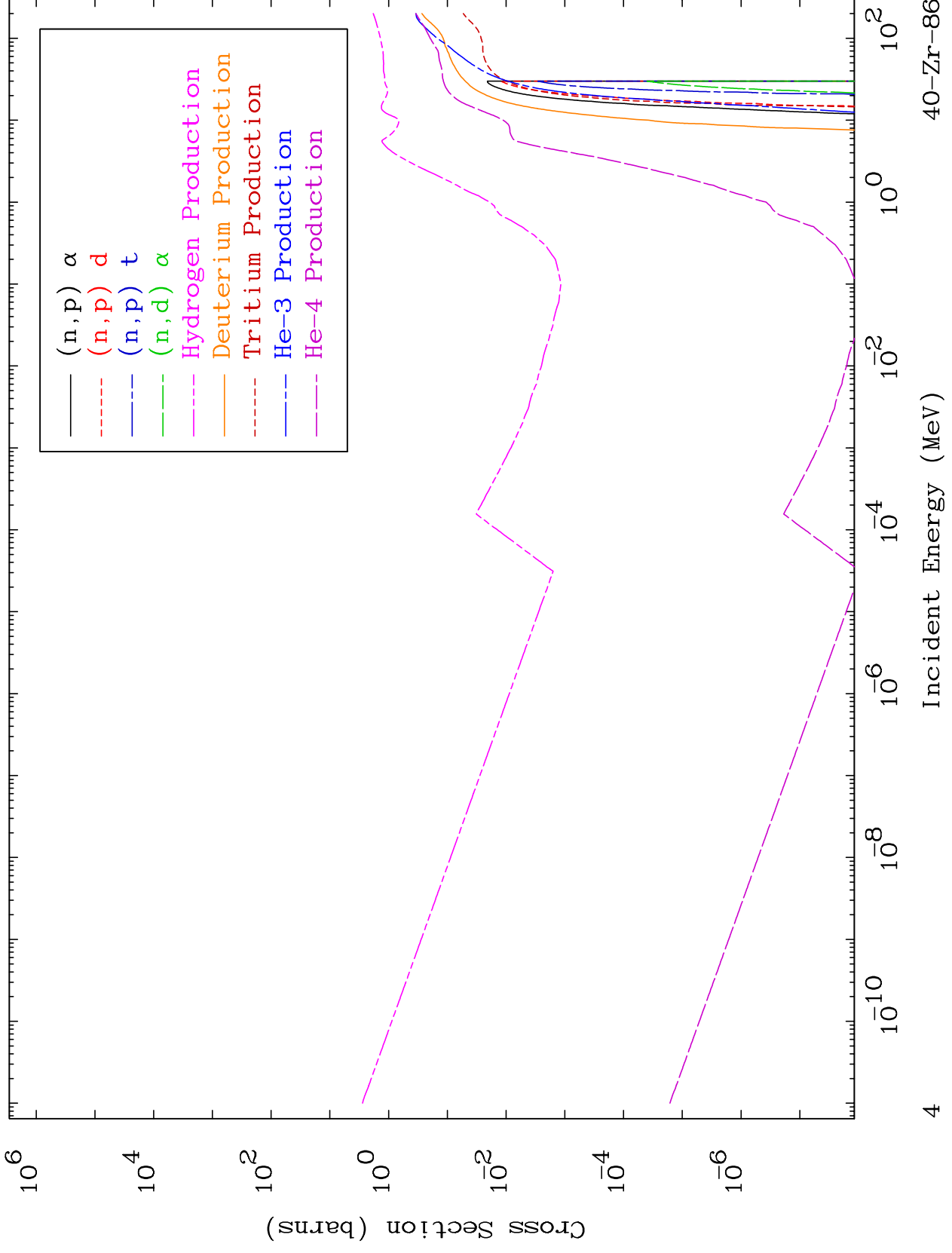
40-Zr-86



MAT 4013

Neutron Absorption
293 Kelvin Cross Sections

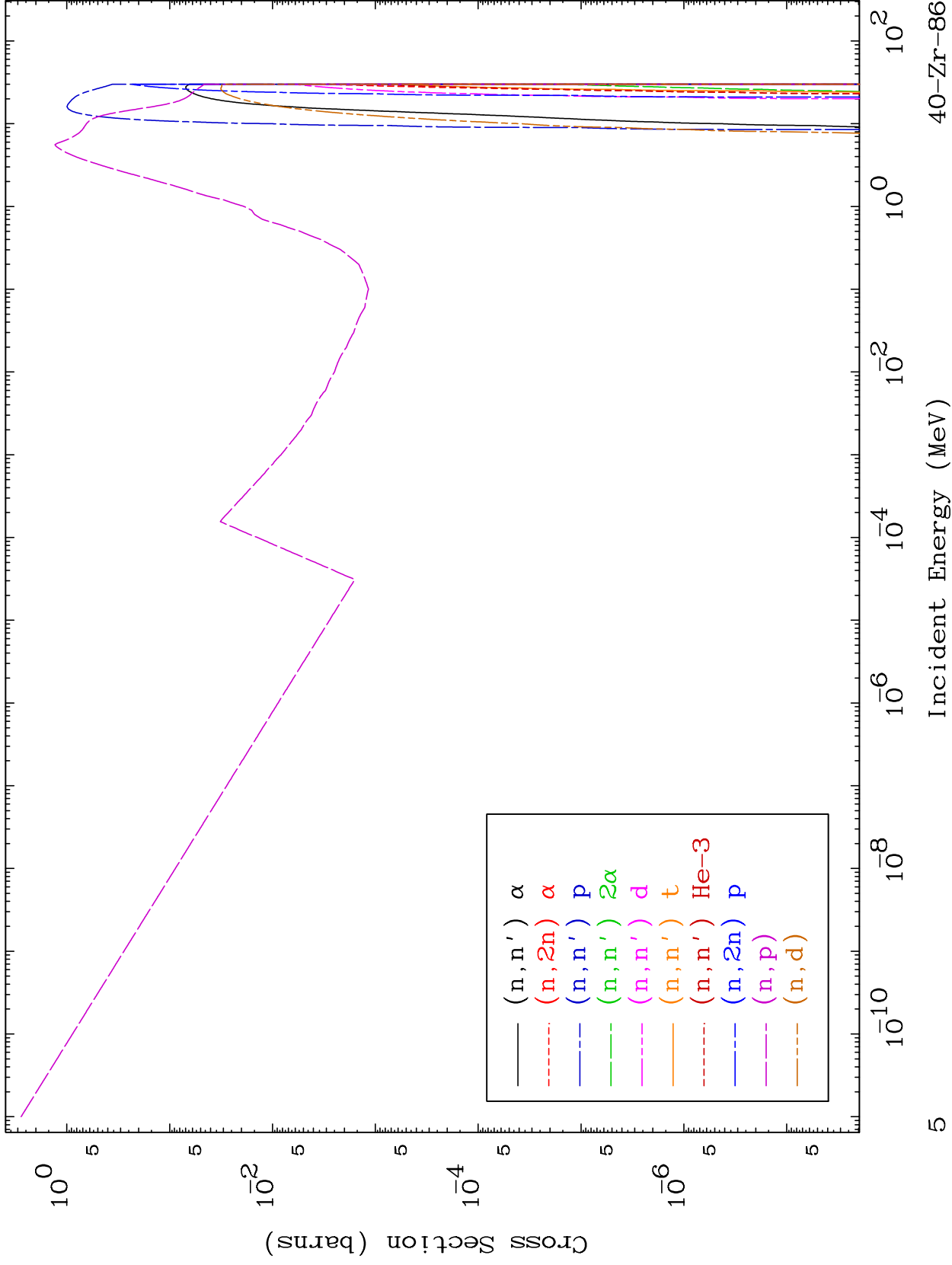
40-Zr-86



MAT 4013

Charged Particle
293 Kelvin Cross Sections

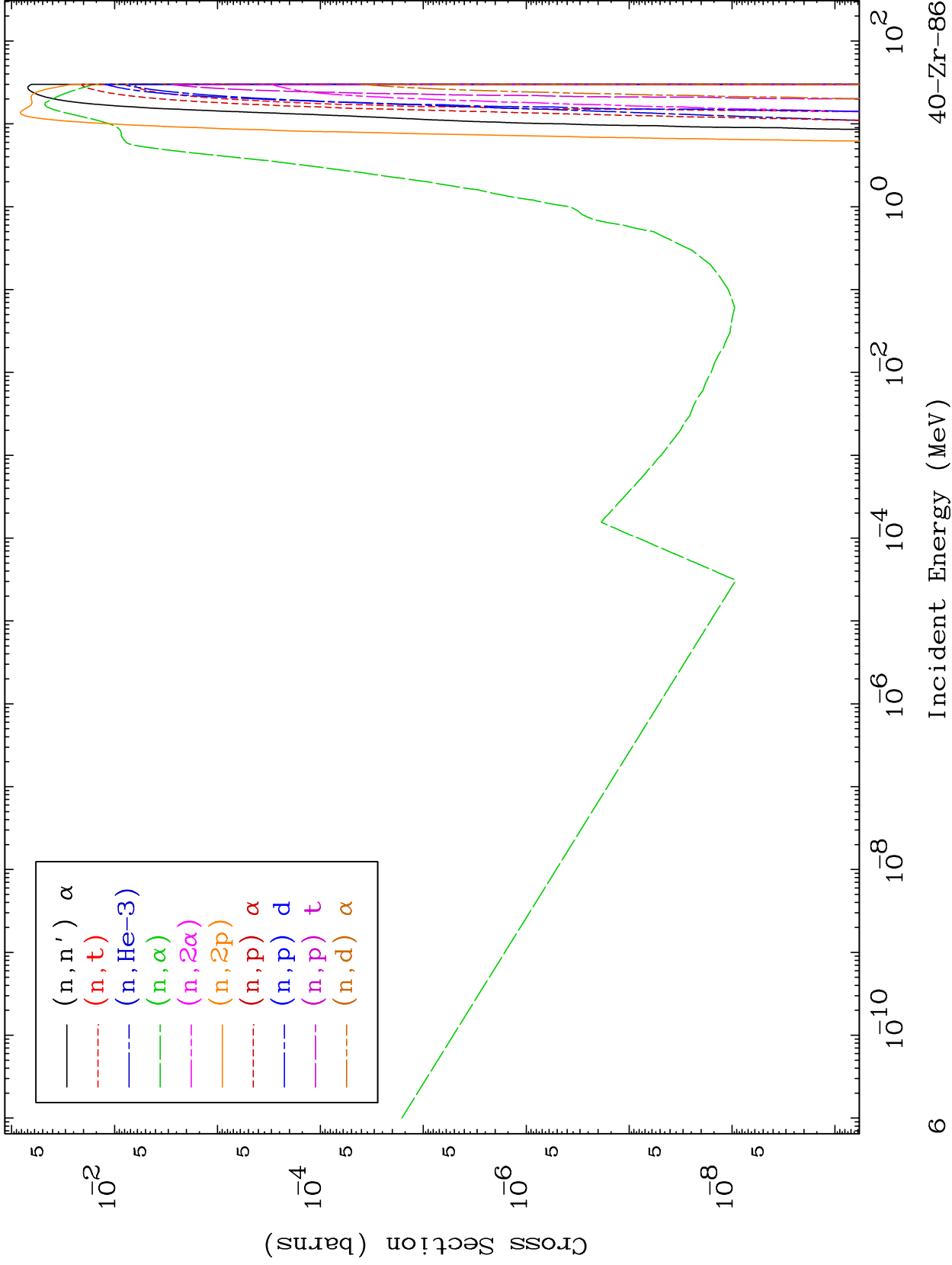
40-Zr-86



MAT 4013

Charged Particle
293 Kelvin Cross Sections

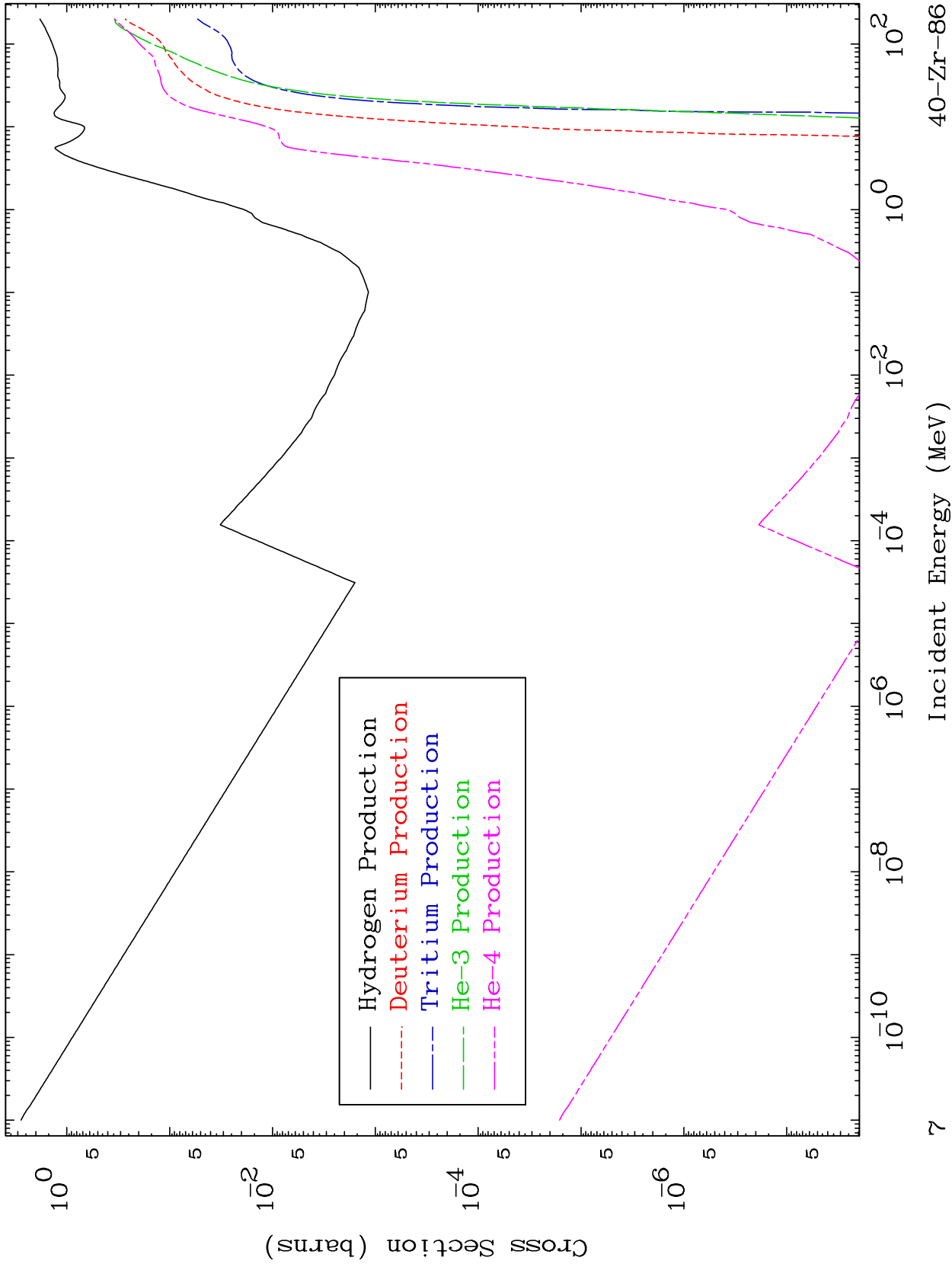
40-Zr-86



MAT 4013

Particle Production
293 Kelvin Cross Sections

40-Zr-86

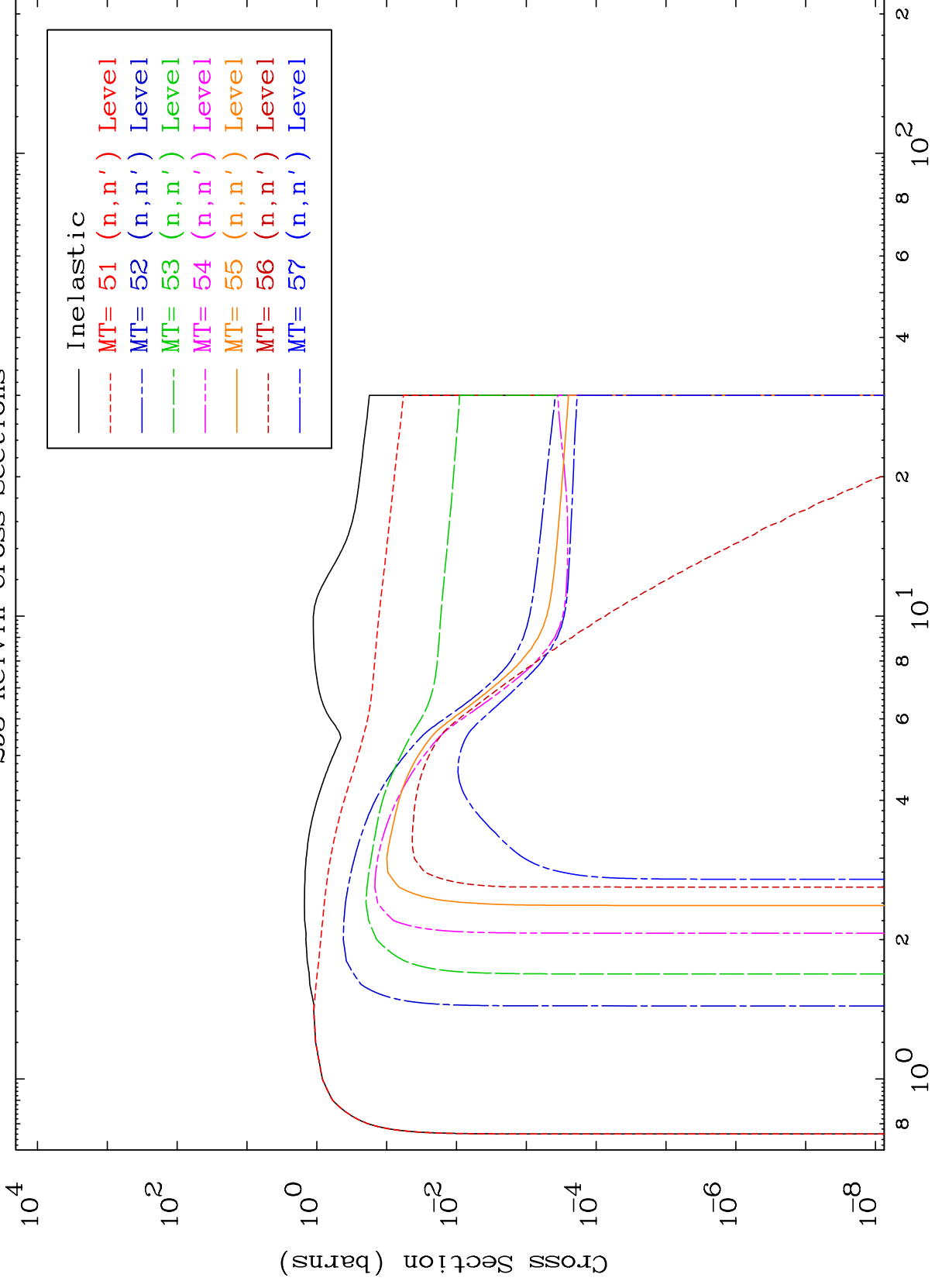


MAT 4013

(n,n') Levels

40-Zr-86

293 Kelvin Cross Sections



8

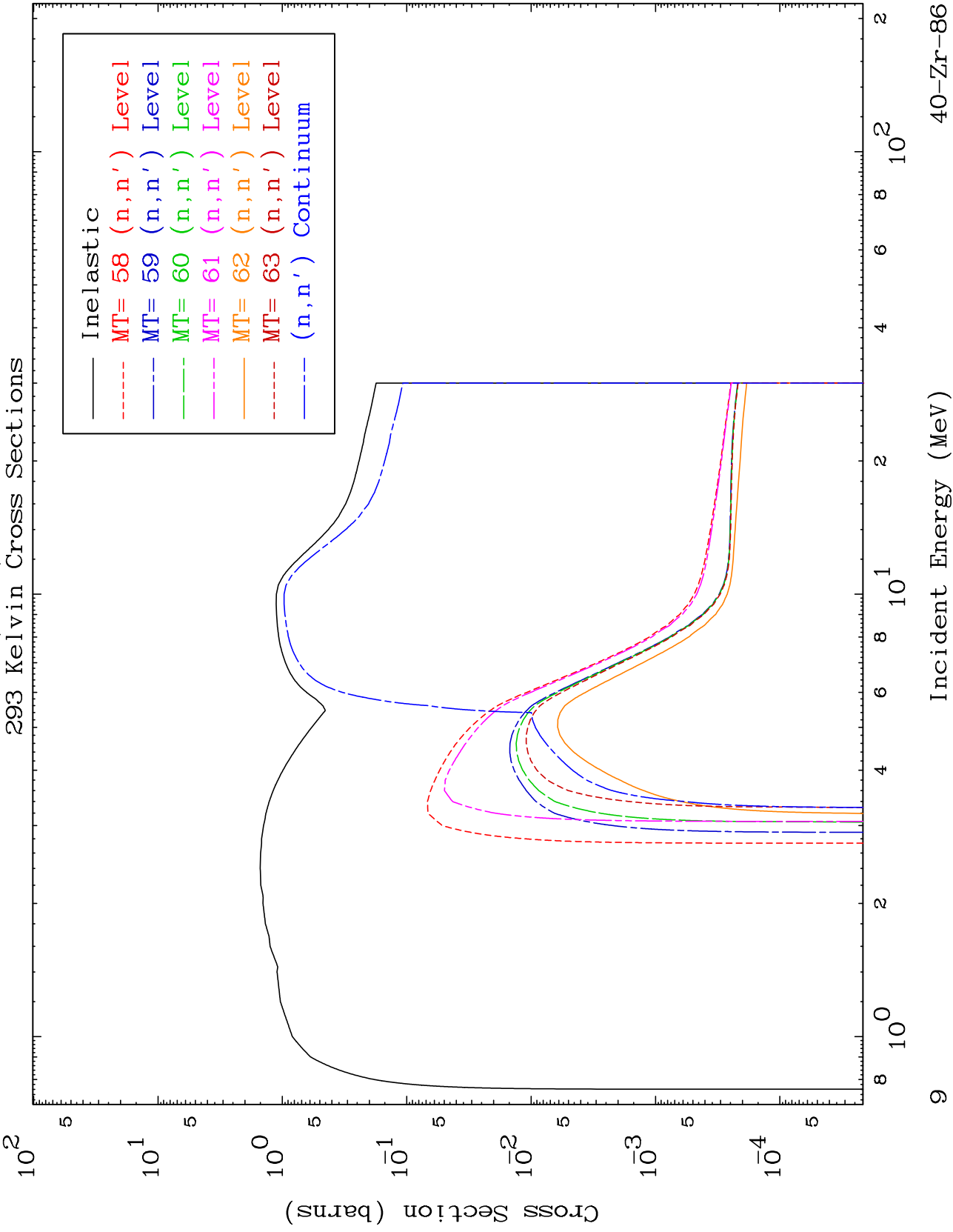
Incident Energy (MeV)

40-Zr-86

MAT 4013

(n,n') Levels

40-Zr-86

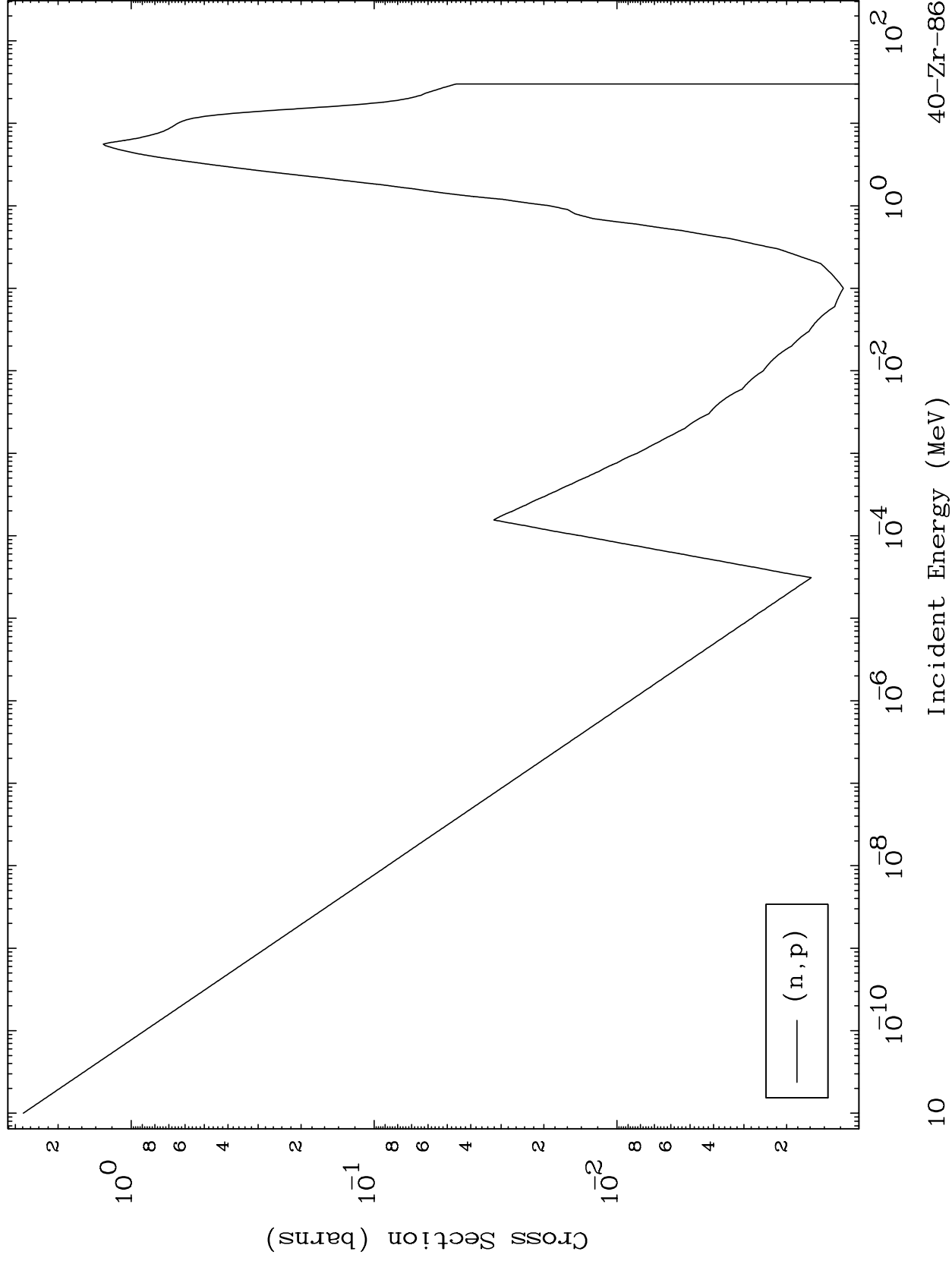


9

MAT 4013

(n,p) Levels
293 Kelvin Cross Sections

40-Zr-86



(n,p)

40-Zr-86

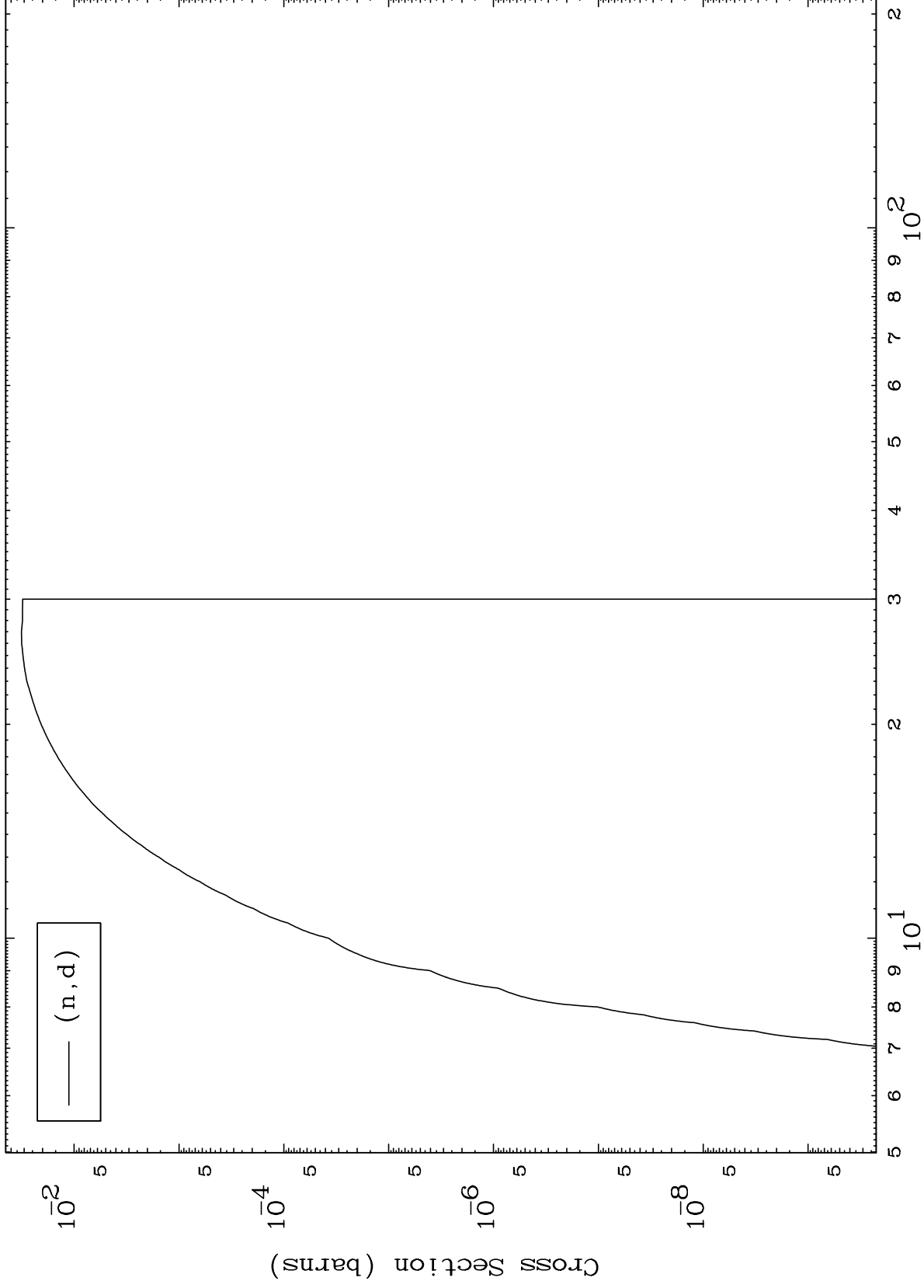
Incident Energy (MeV)

10

MAT 4013

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-86



11

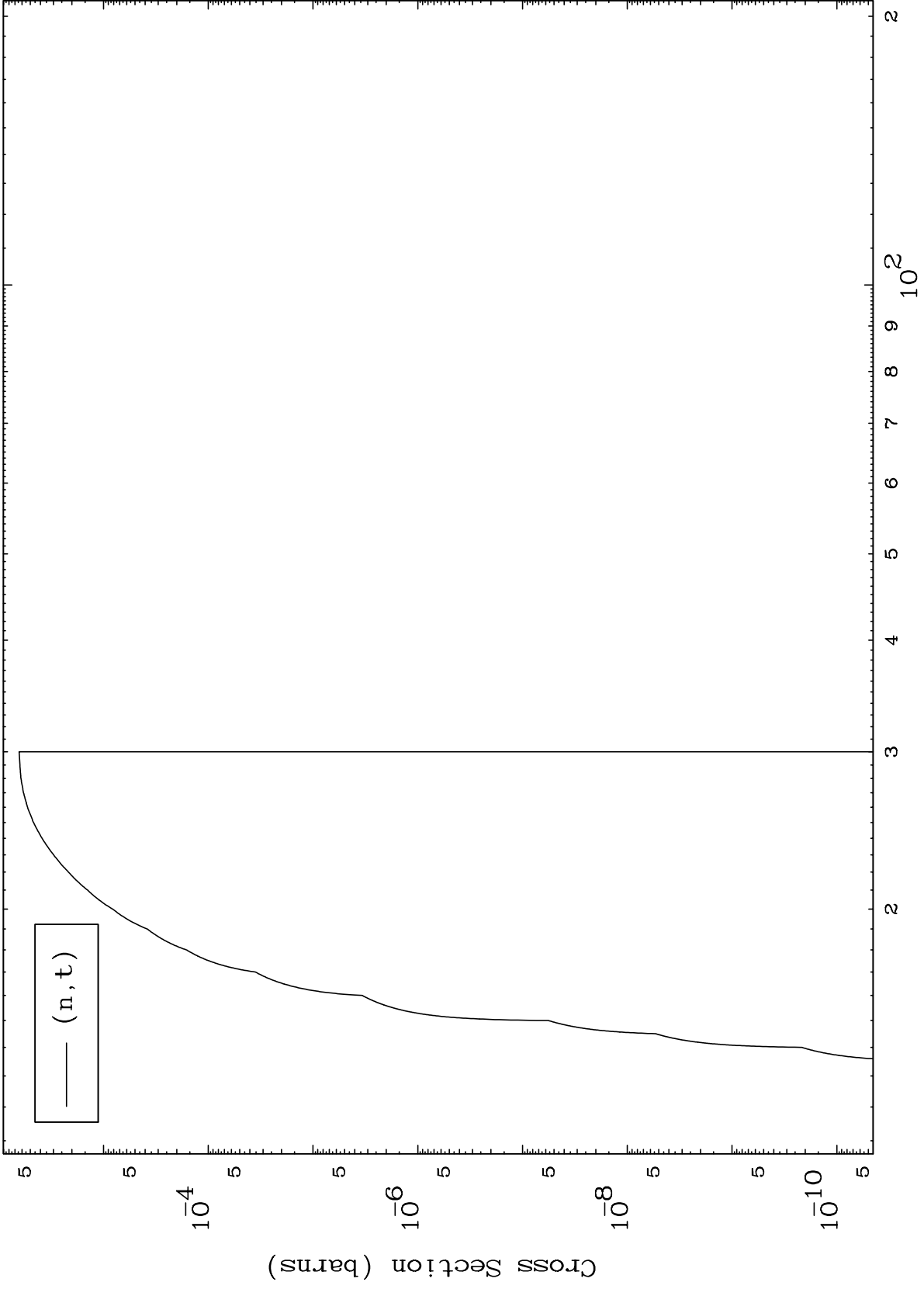
Incident Energy (MeV)

40-Zr-86

MAT 4013

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-86



12

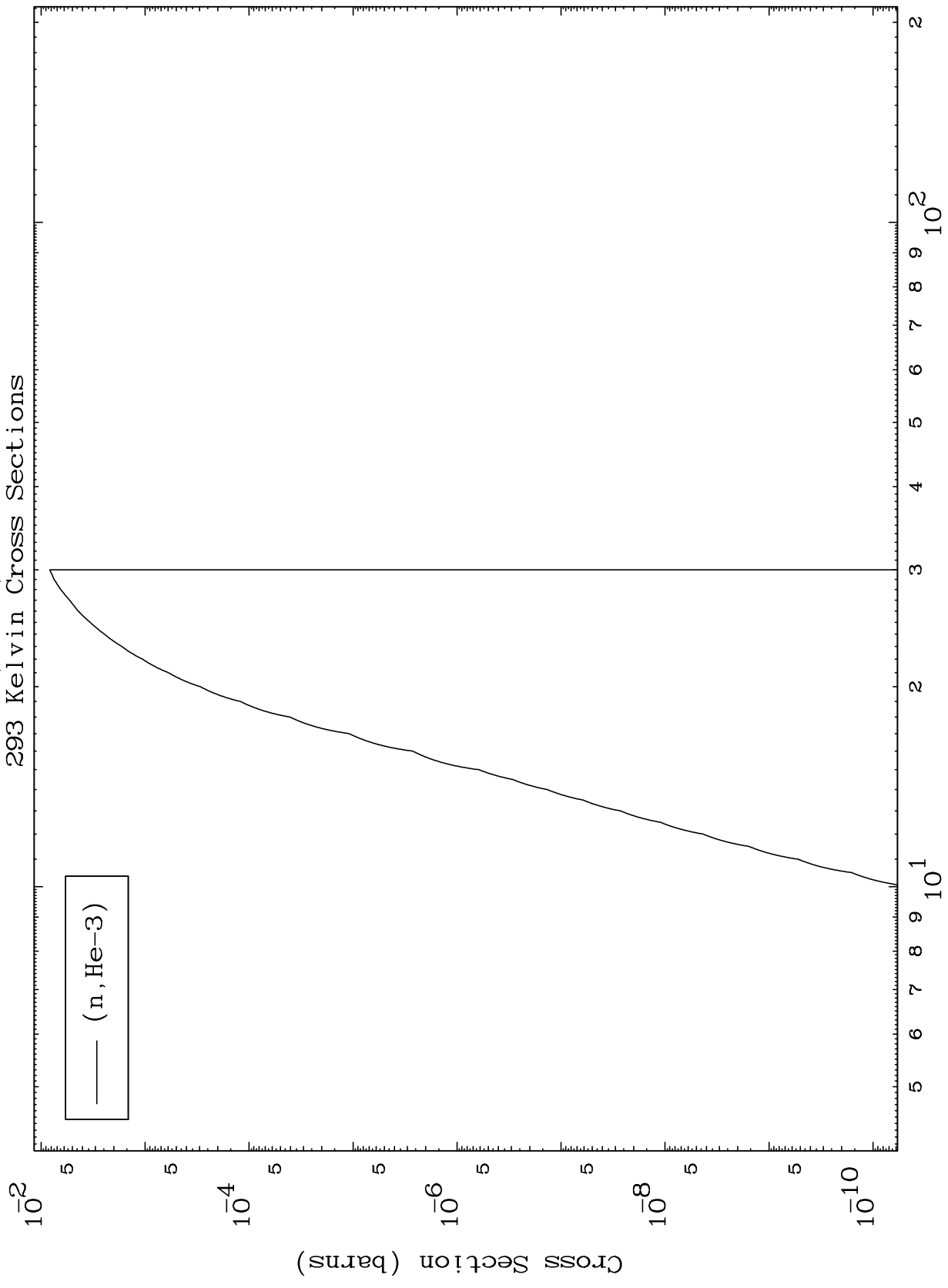
Incident Energy (MeV)

40-Zr-86

MAT 4013

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-86



13

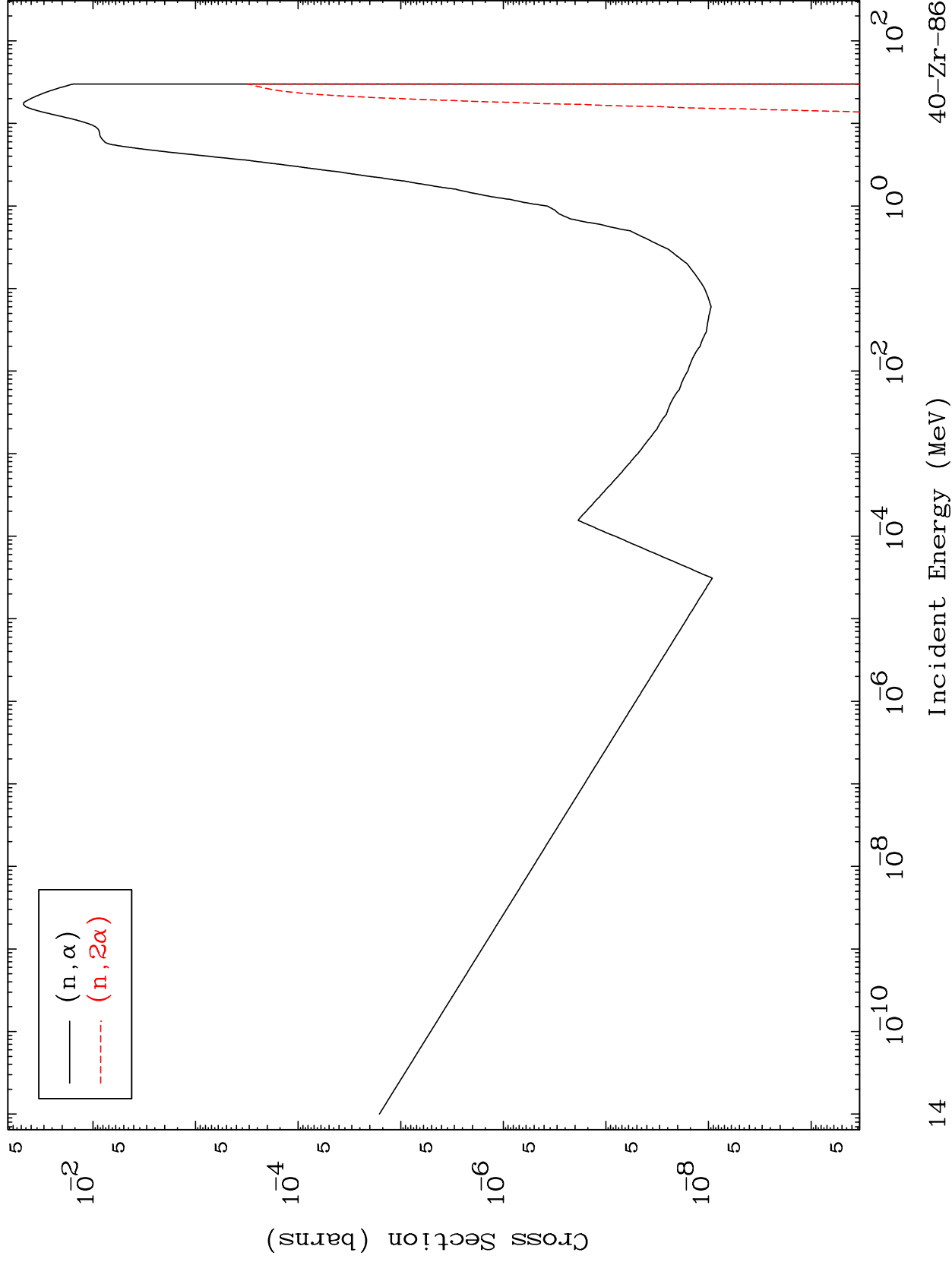
Incident Energy (MeV)

40-Zr-86

MAT 4013

(n, α) Levels
293 Kelvin Cross Sections

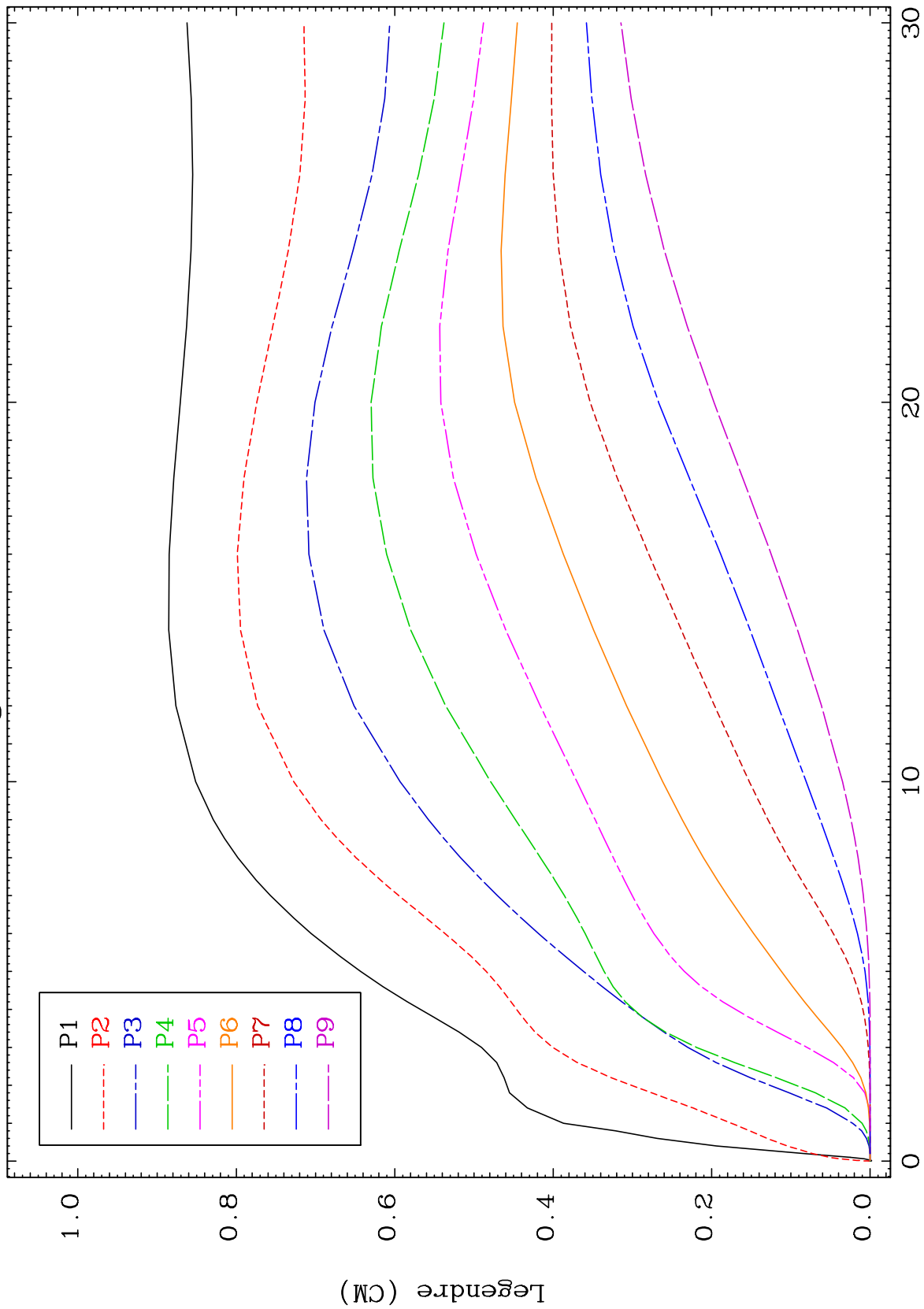
40-Zr-86



MAT 4013

Elastic Legendre Coefficients

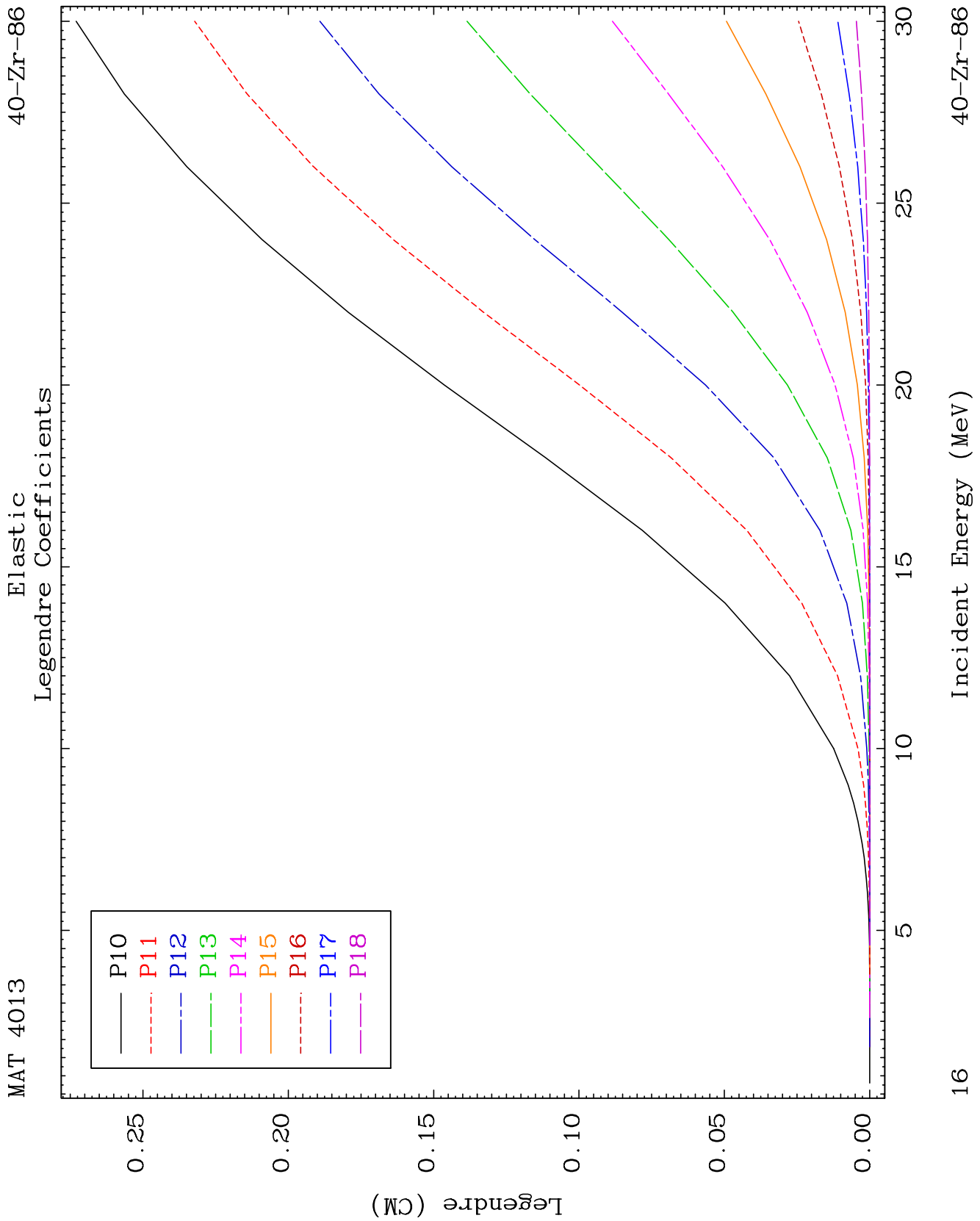
40-Zr-86



15

Incident Energy (MeV)

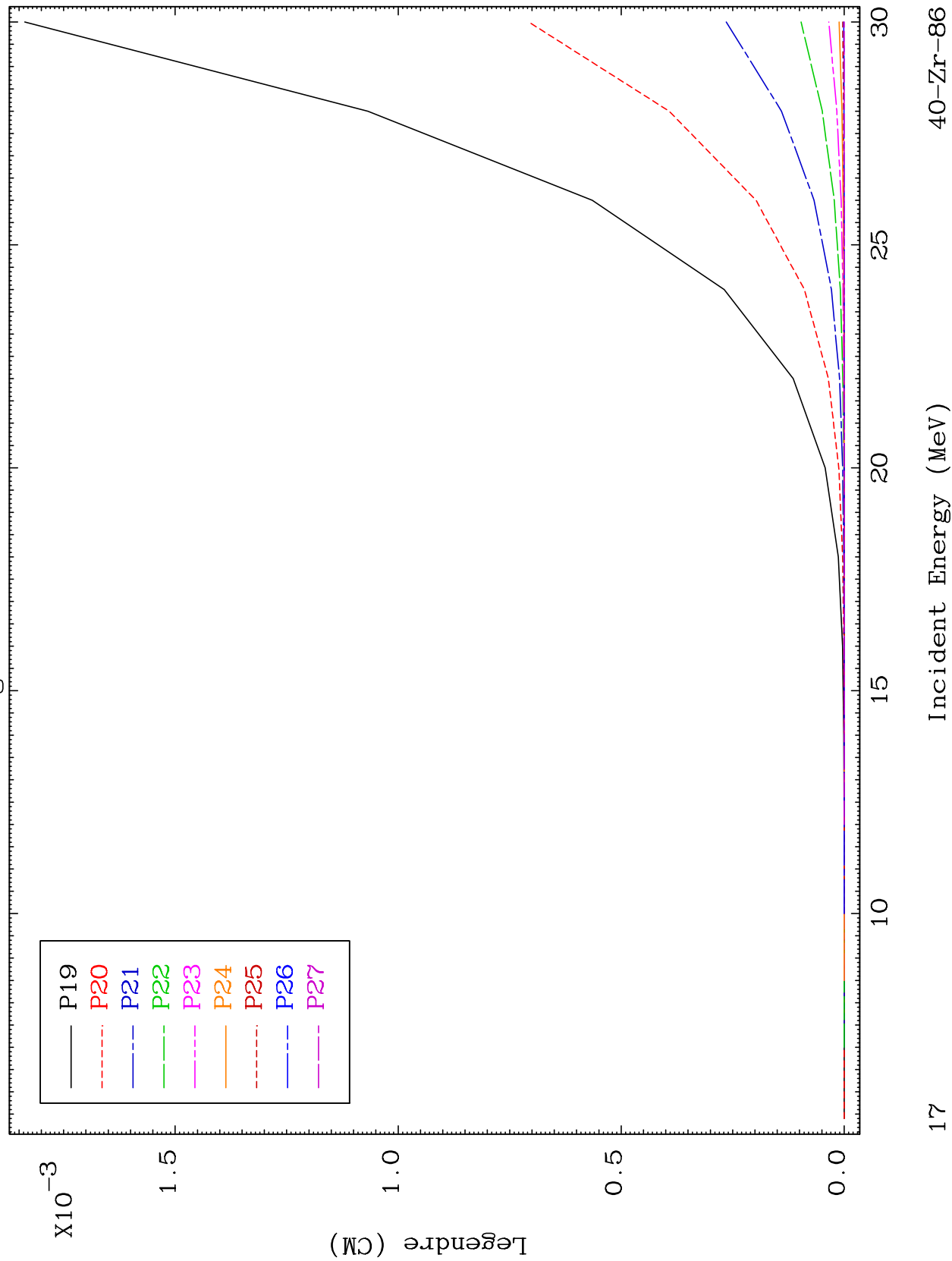
40-Zr-86



MAT 4013

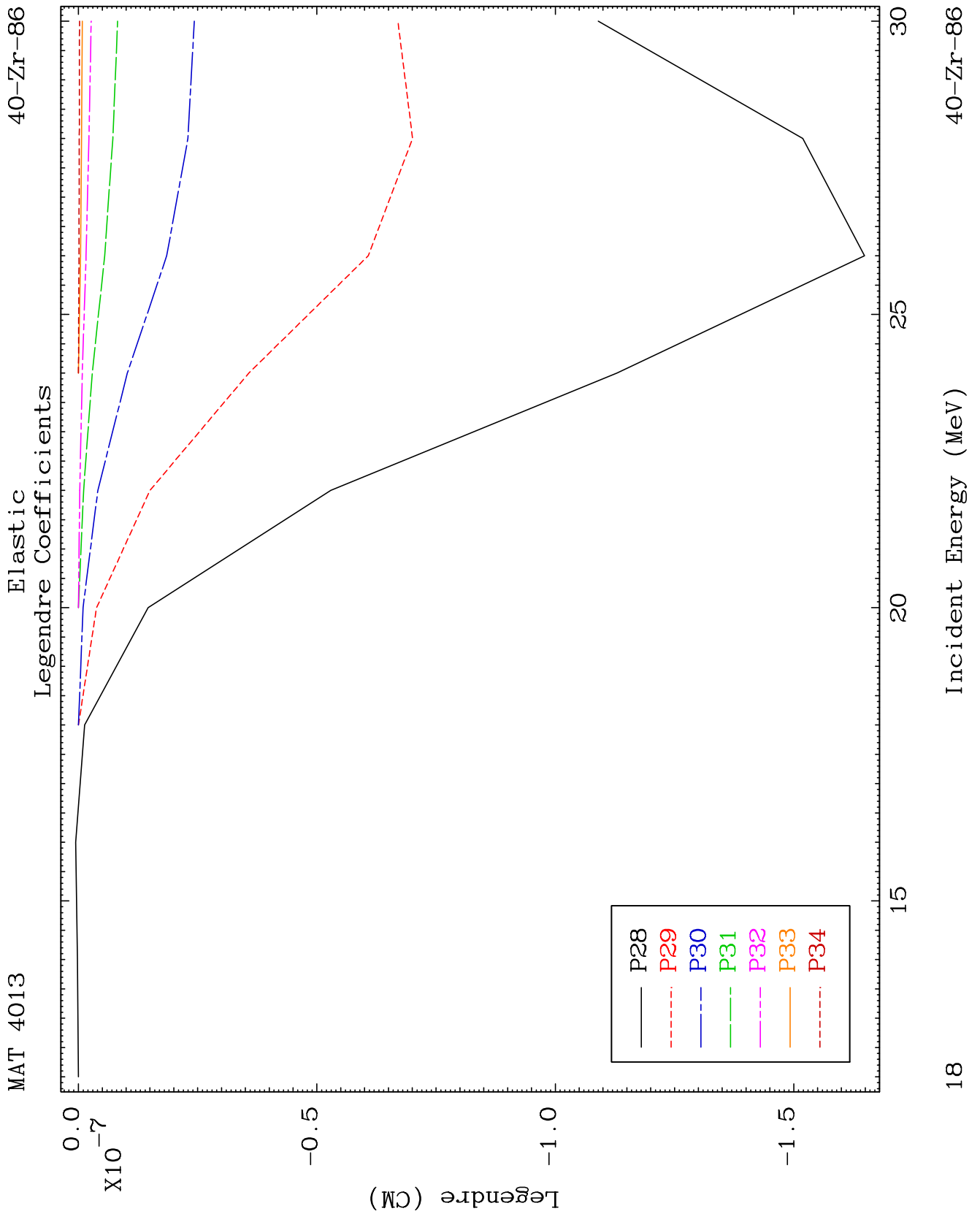
Elastic Legendre Coefficients

40-Zr-86



17

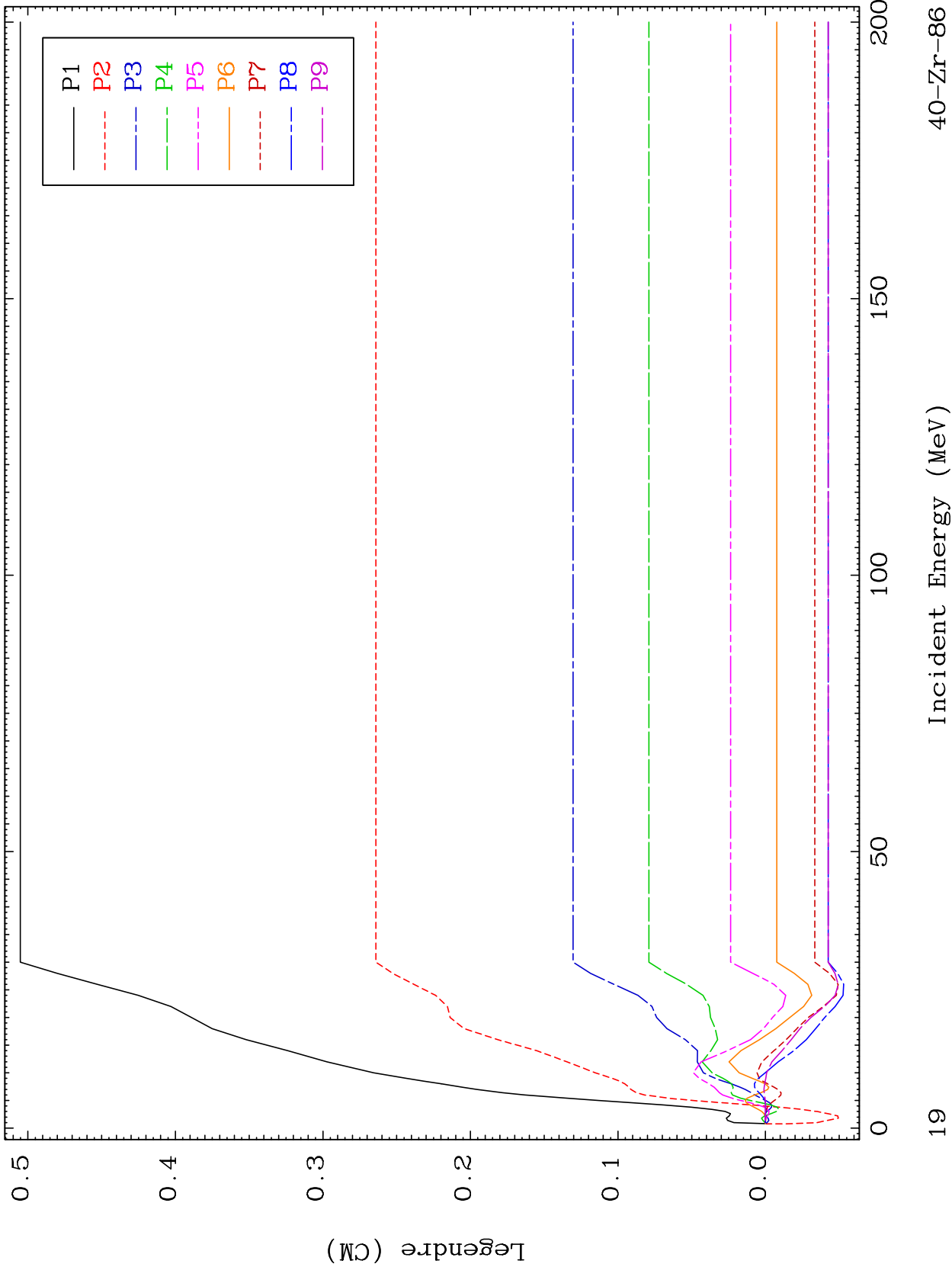
40-Zr-86



MAT 4013

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

40-Zr-86



19

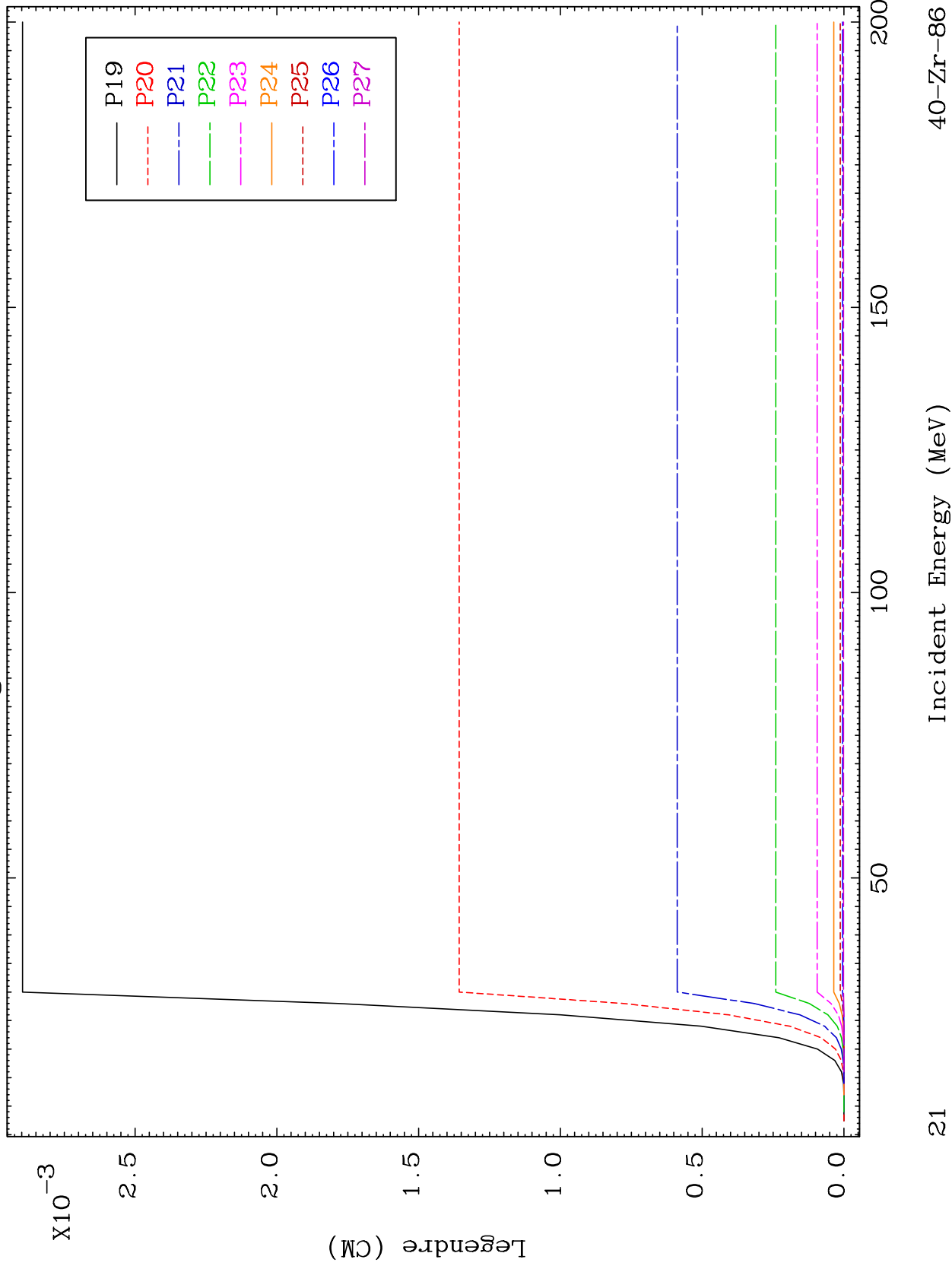
Incident Energy (MeV)

40-Zr-86

MAT 4013

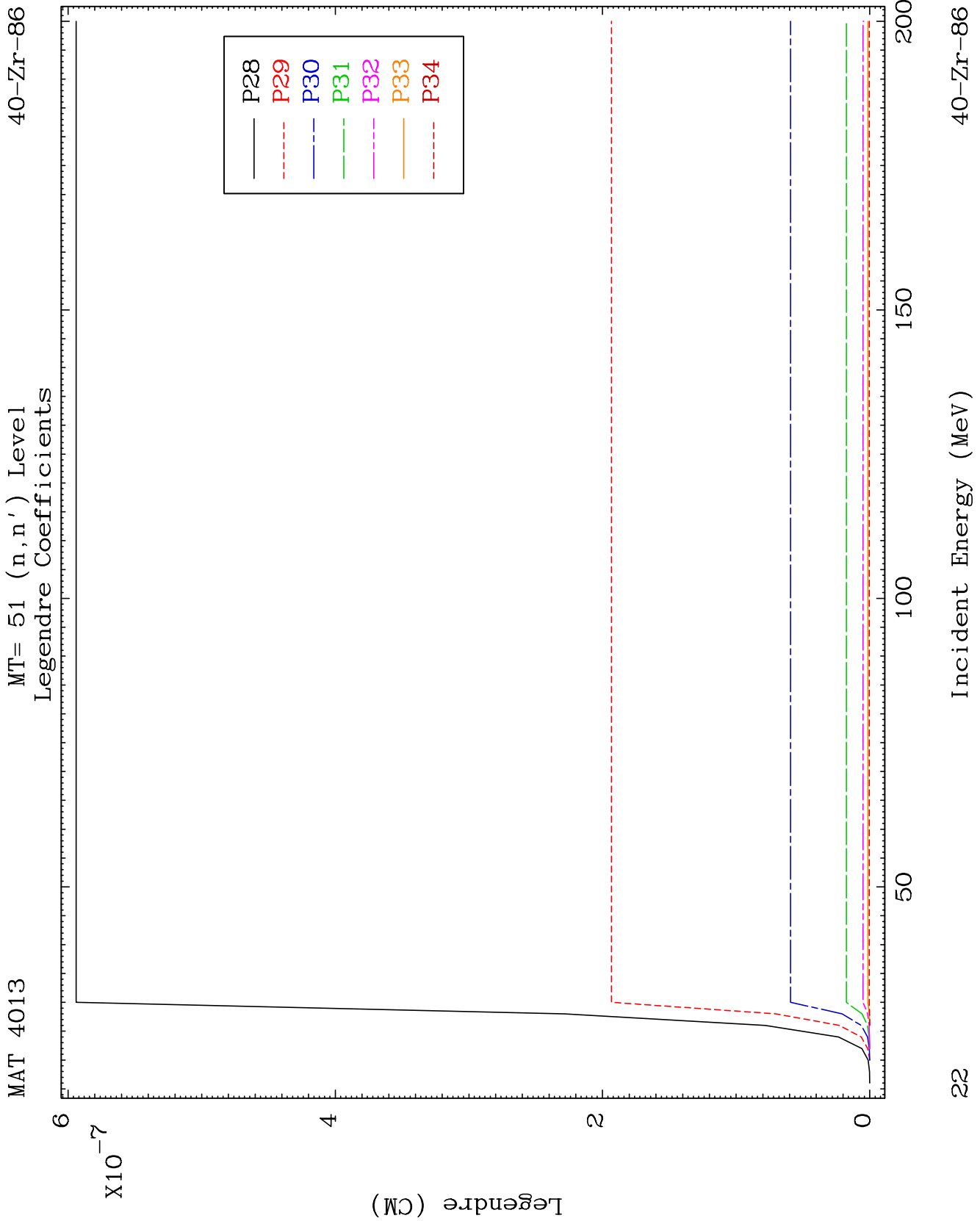
MT= 51 (n,n') Level
Legendre Coefficients

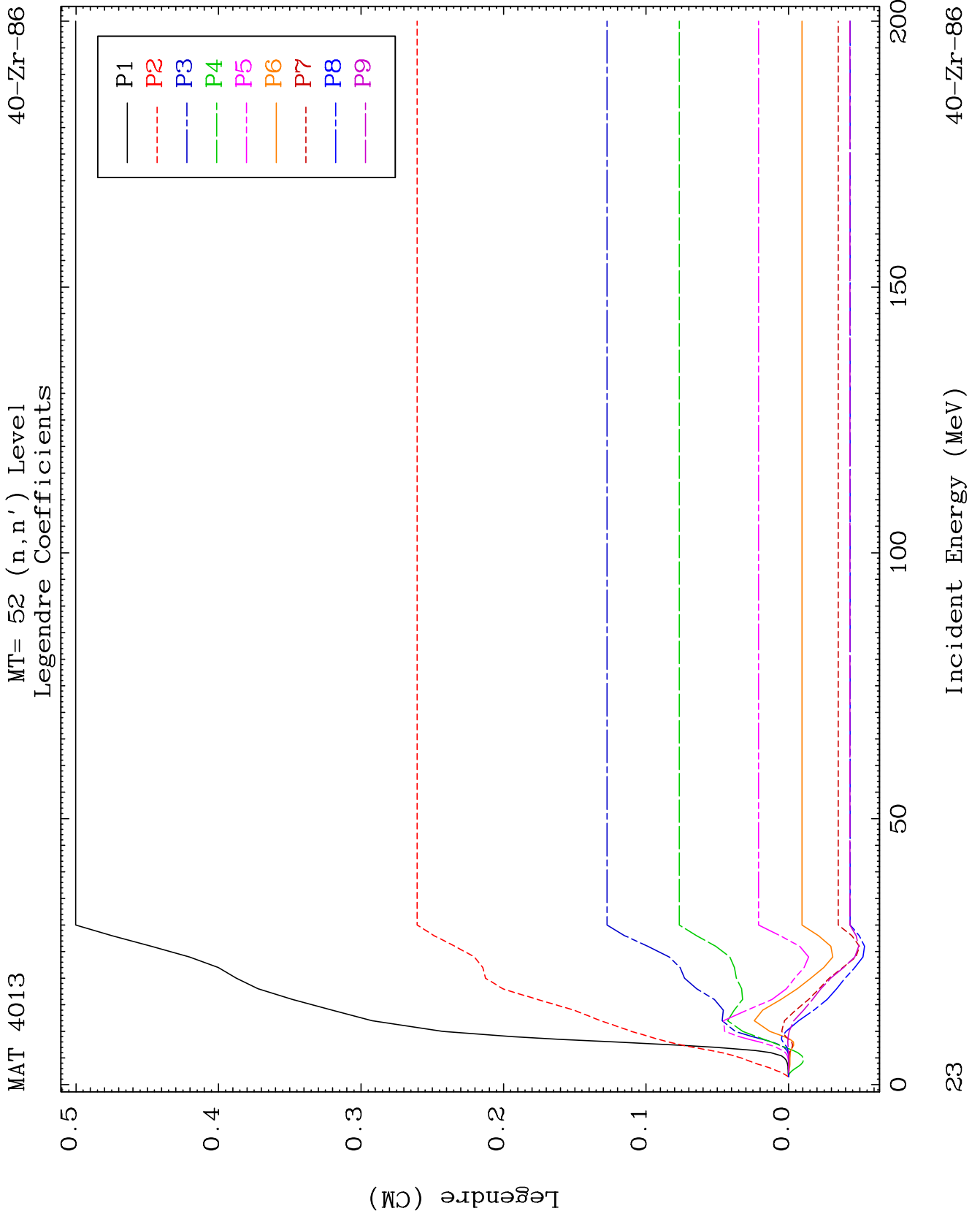
40-Zr-86



21

40-Zr-86

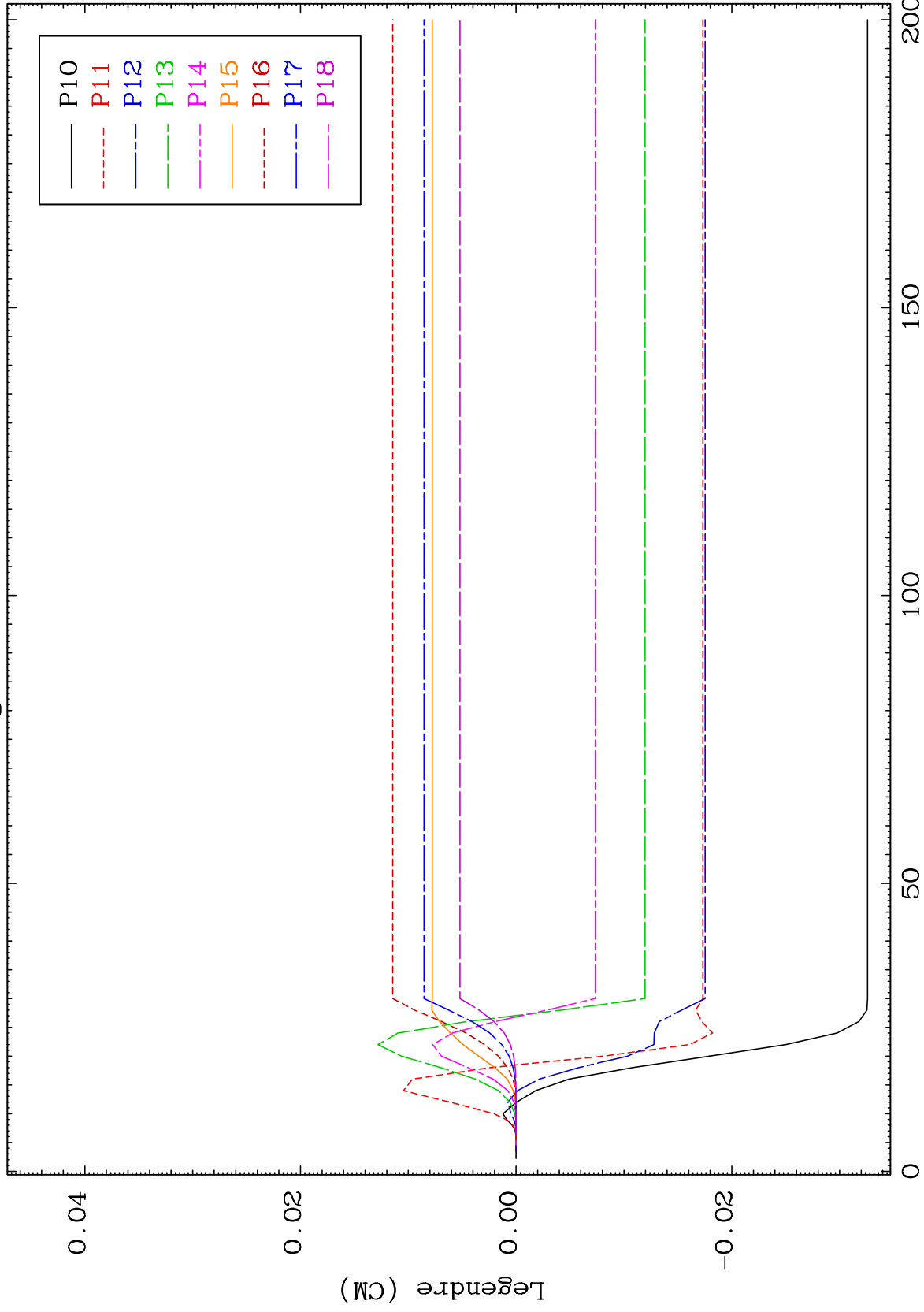




MAT 4013

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

40-Zr-86



24

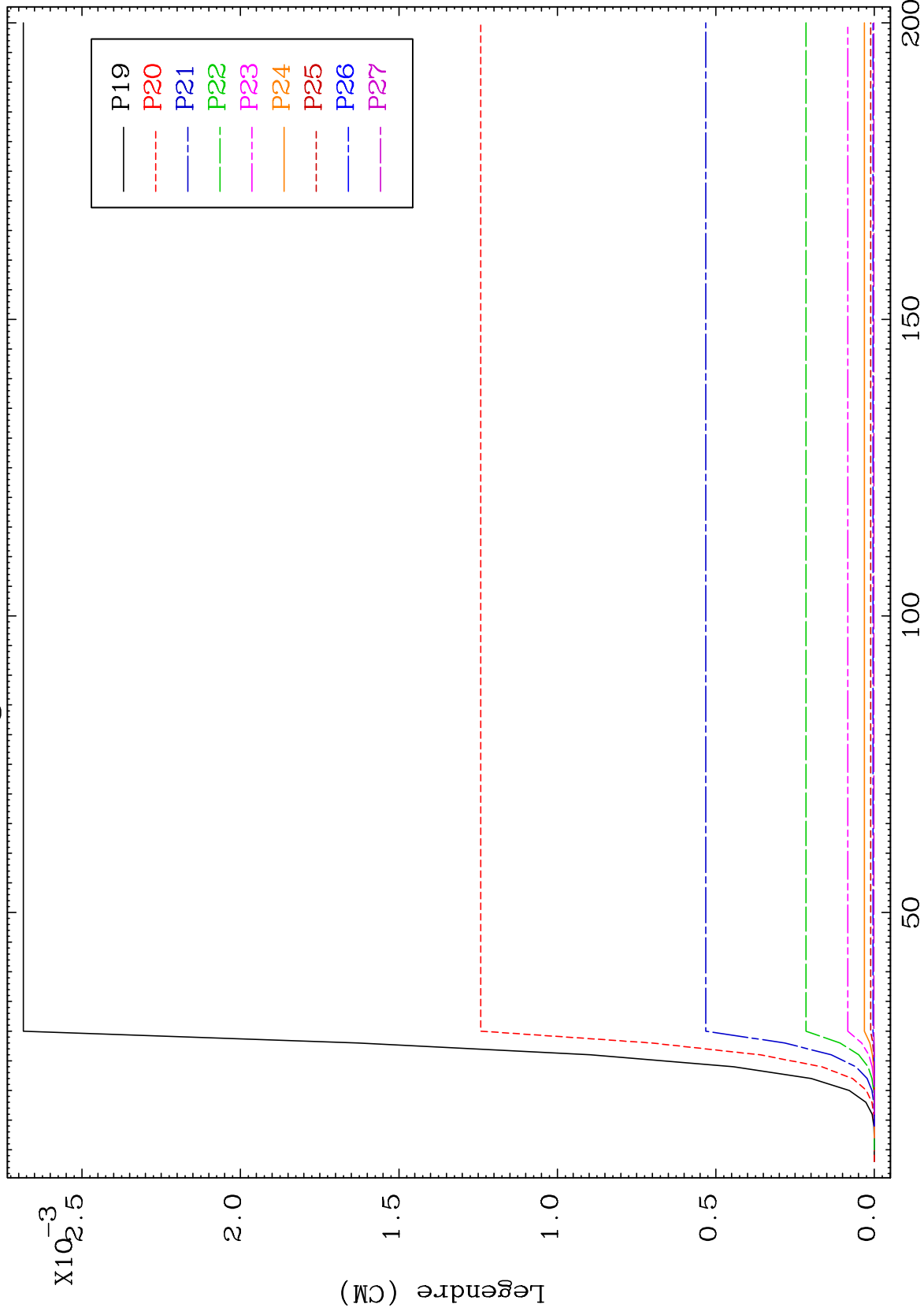
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

40-Zr-86



25

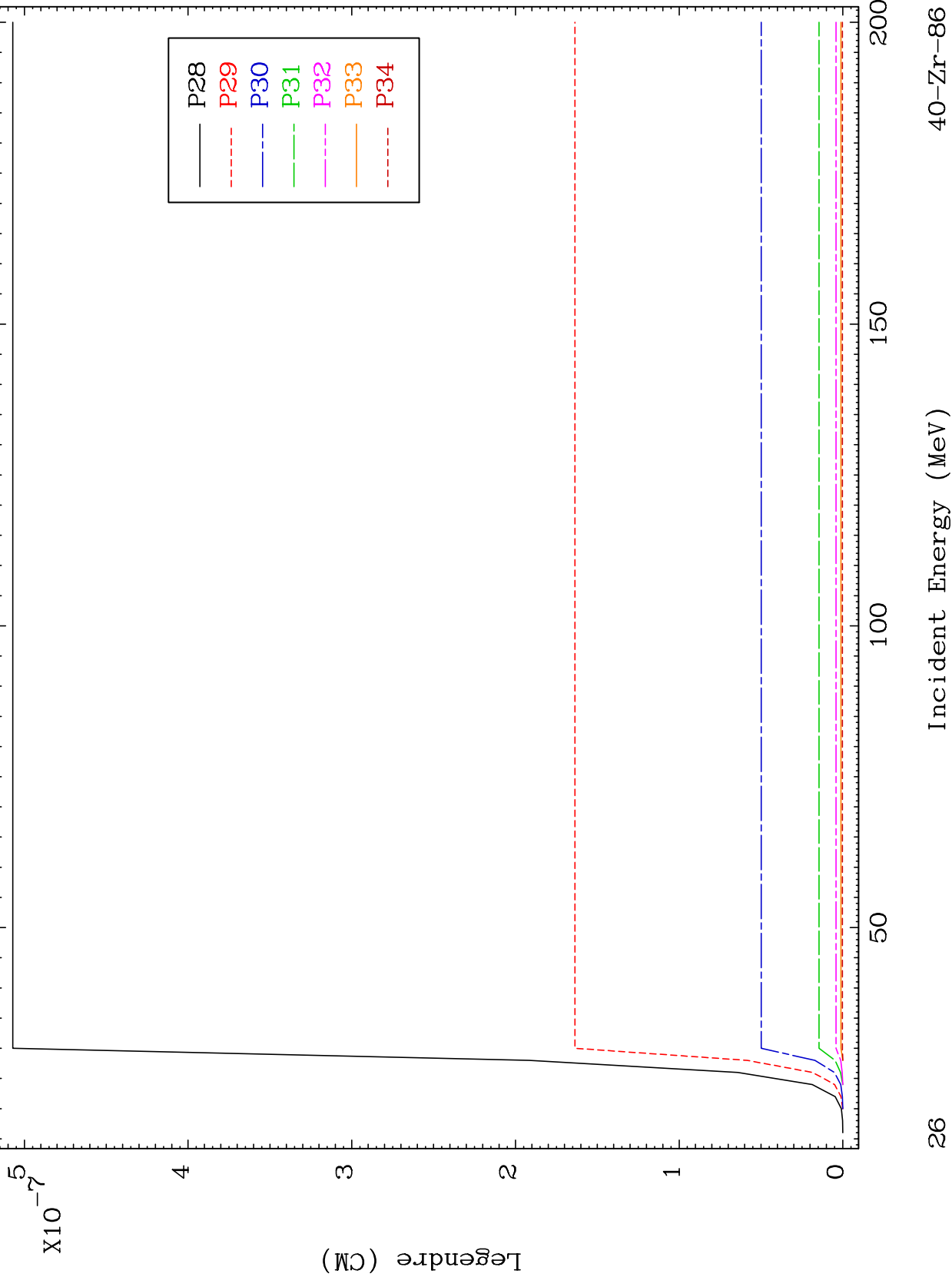
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

40-Zr-86



26

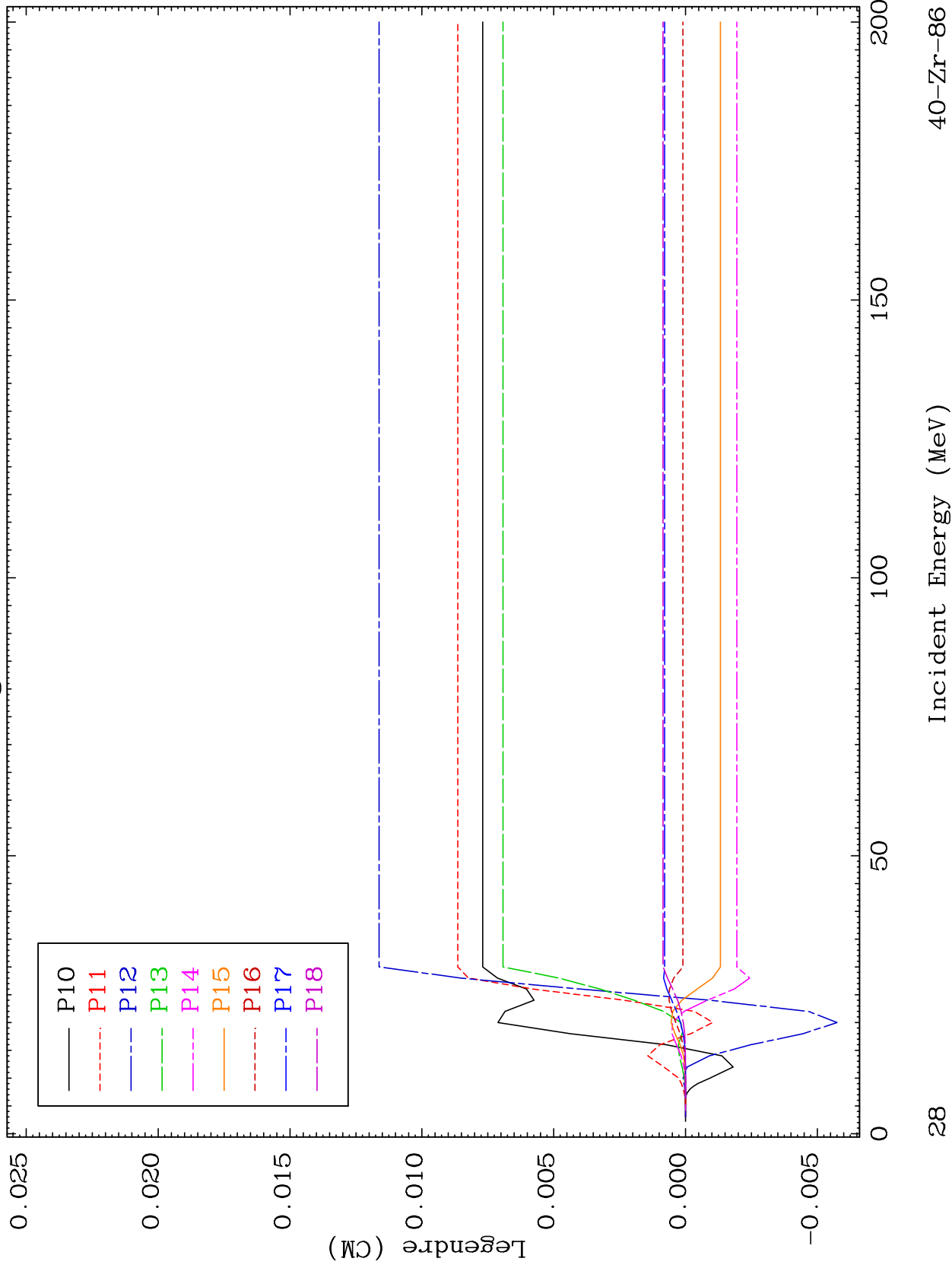
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

40-Zr-86



28

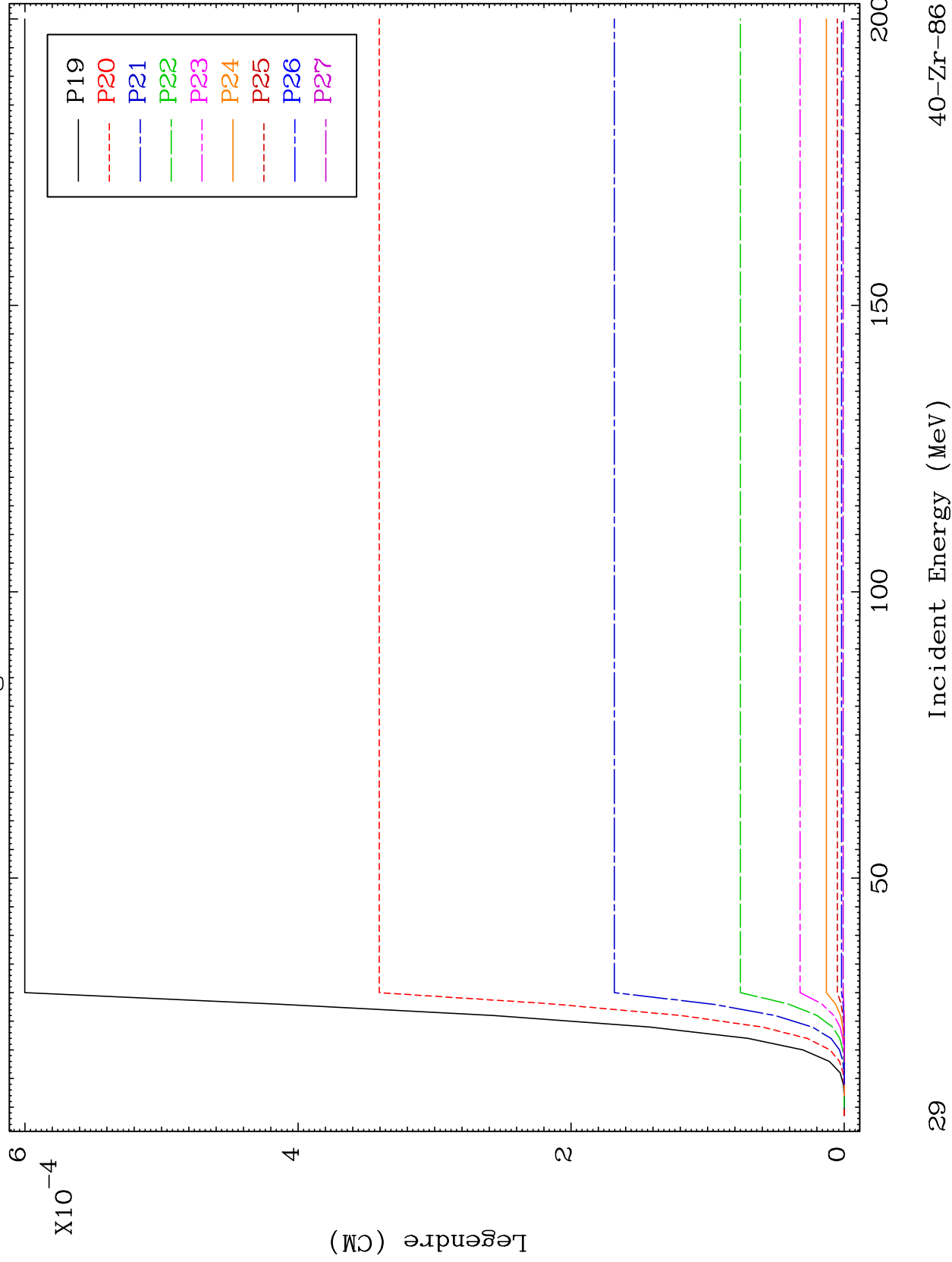
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

40-Zr-86



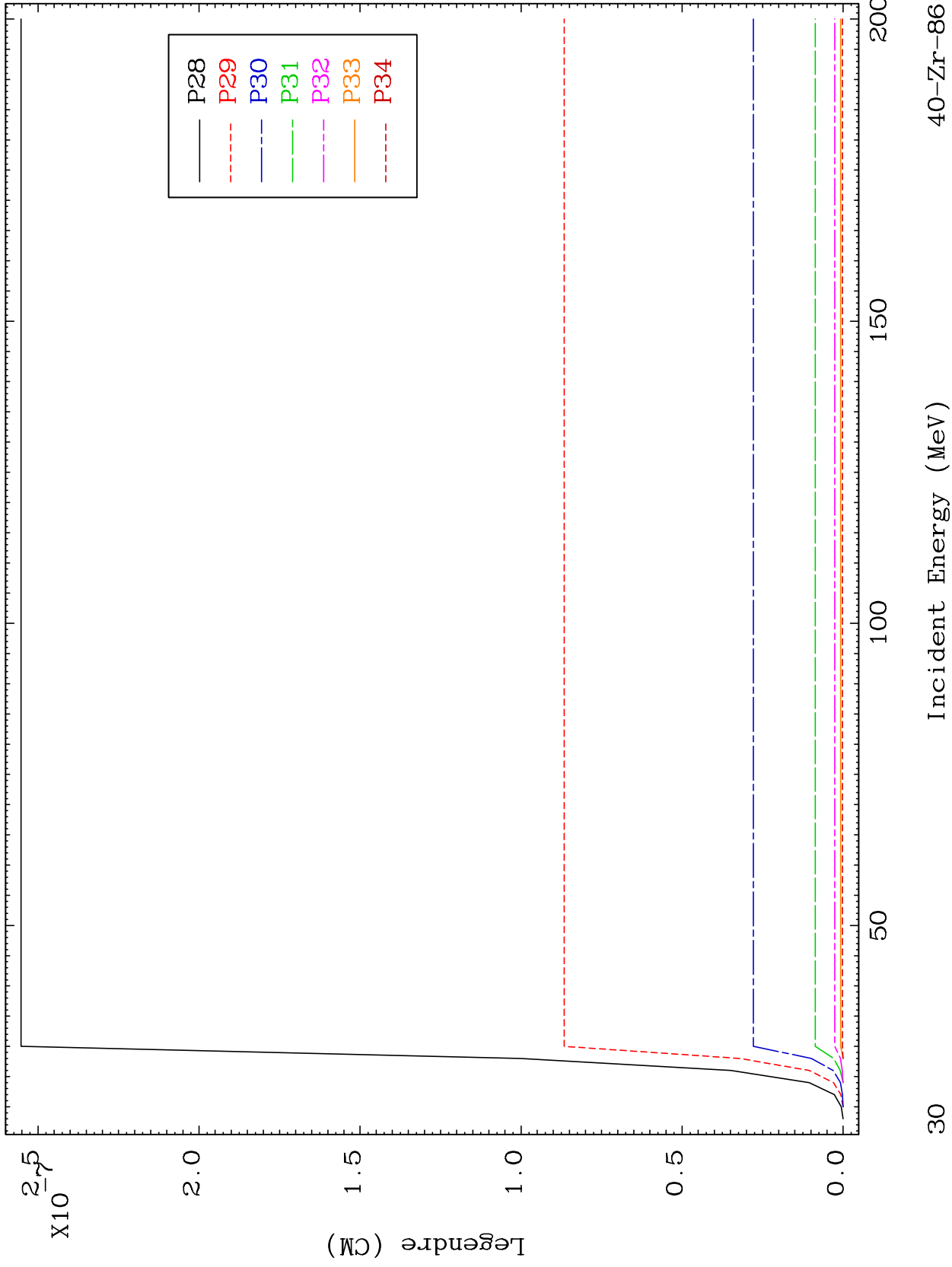
29

40-Zr-86

MAT 4013

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

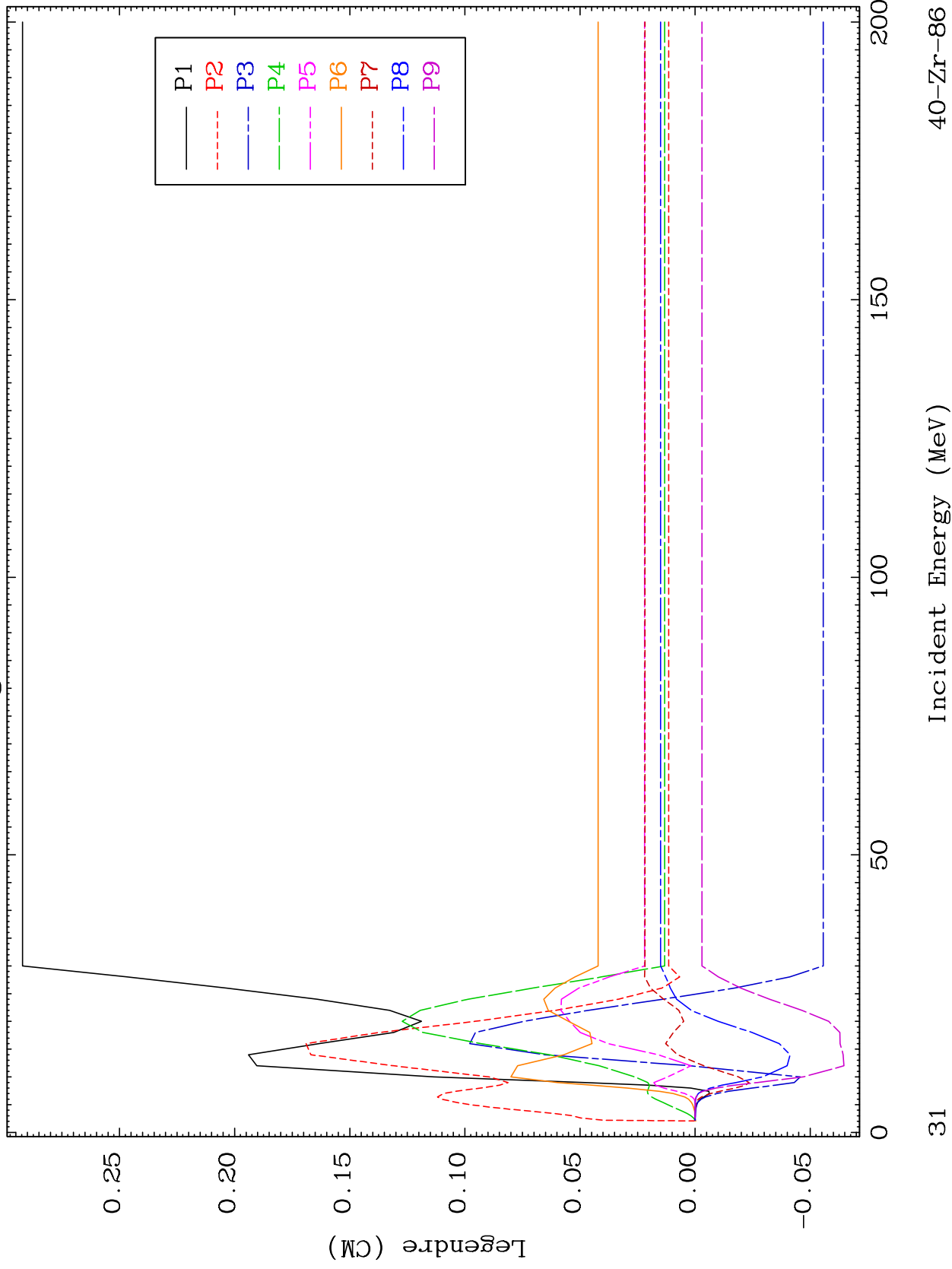
40-Zr-86



MAT 4013

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

40-Zr-86



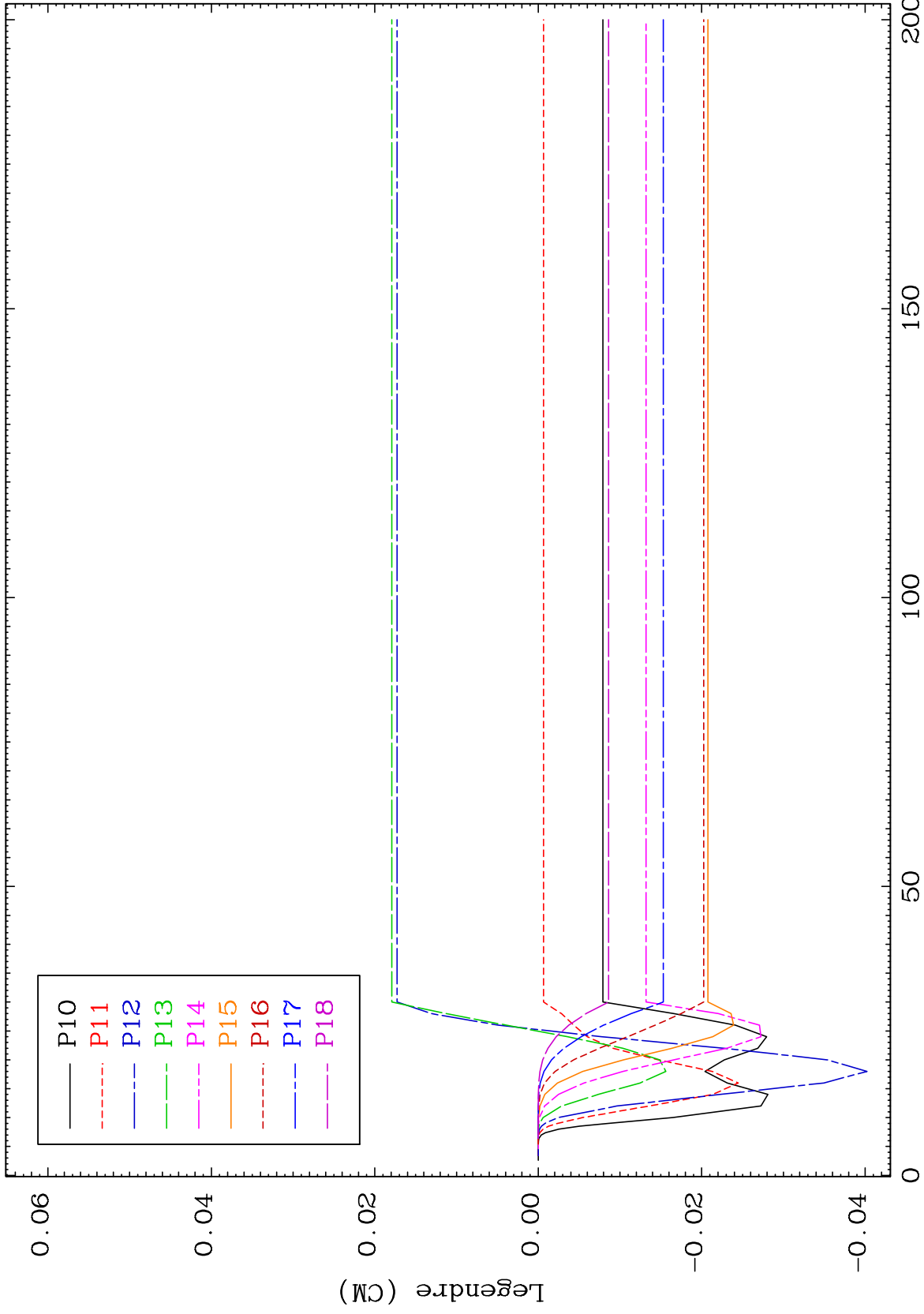
31

40-Zr-86

MAT 4013

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

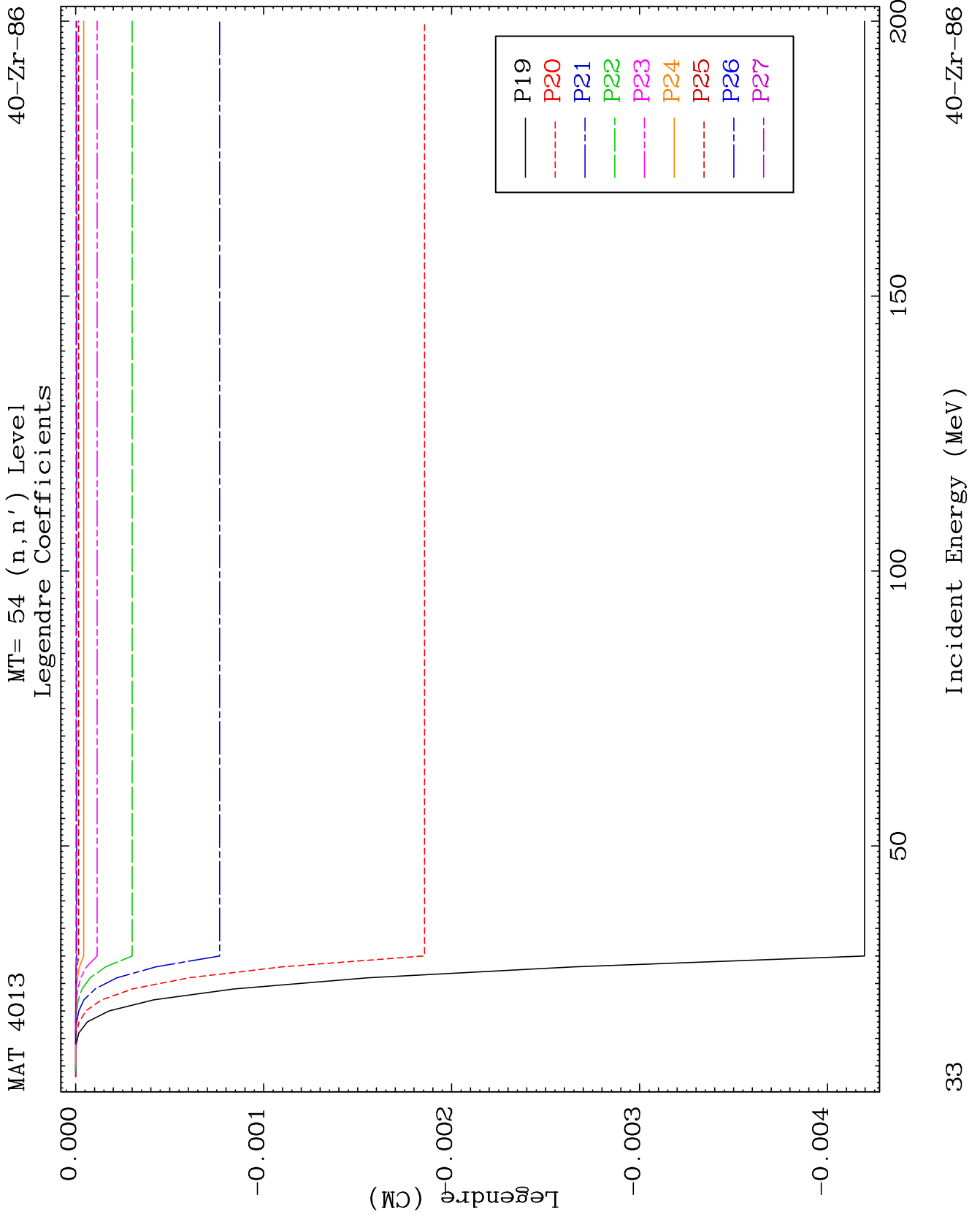
40-Zr-86

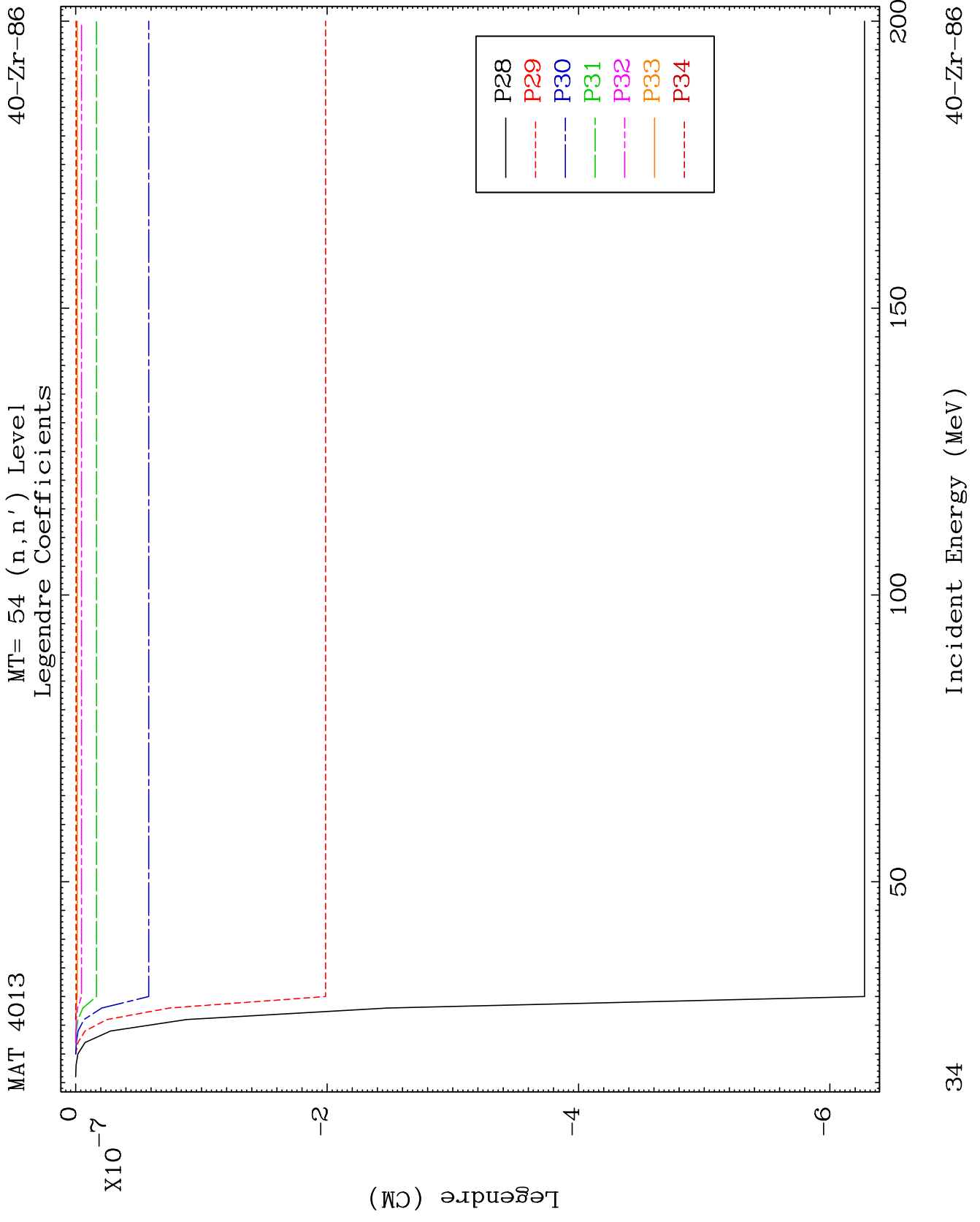


32

Incident Energy (MeV)

40-Zr-86

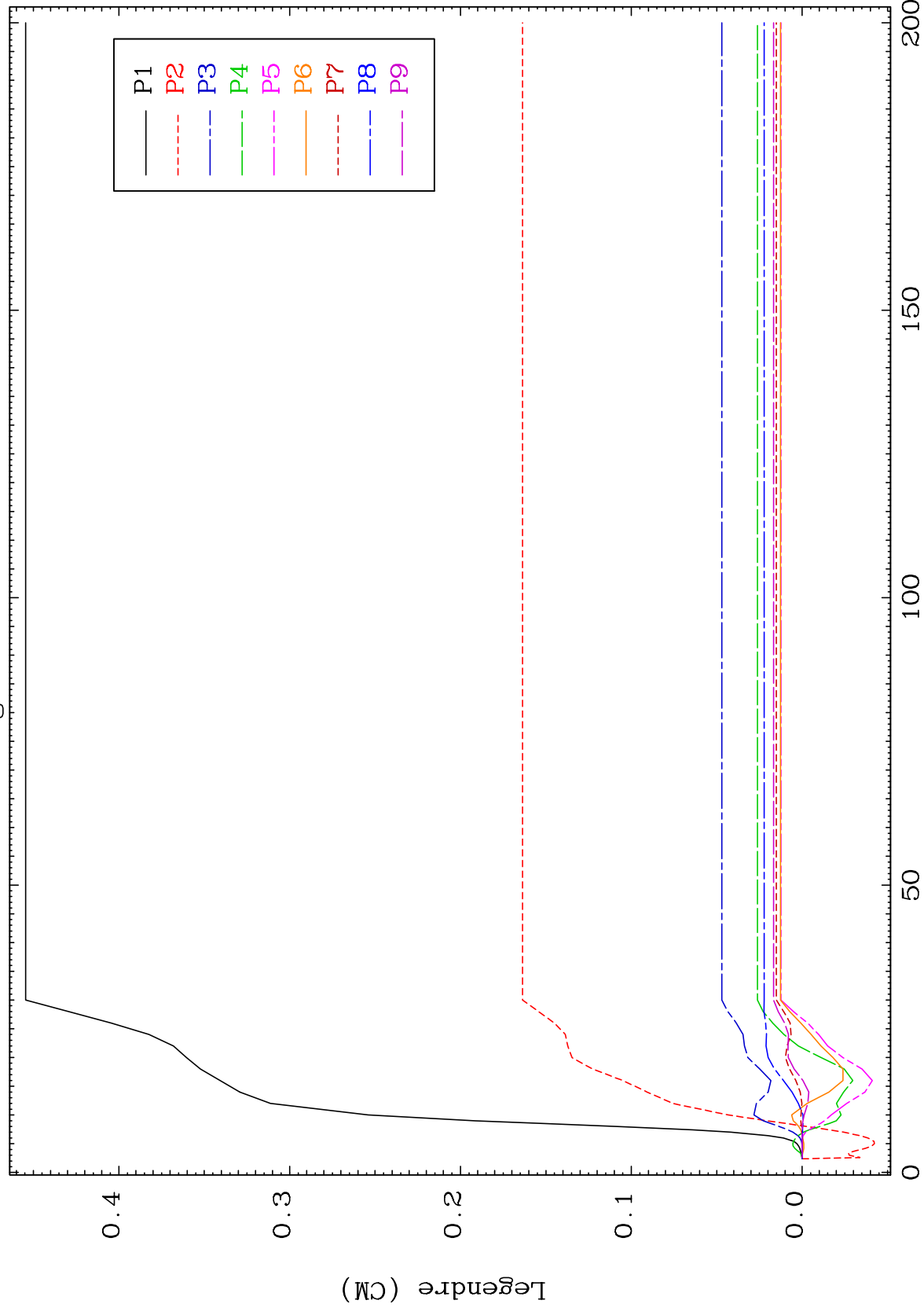




MAT 4013

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

40-Zr-86



40-Zr-86

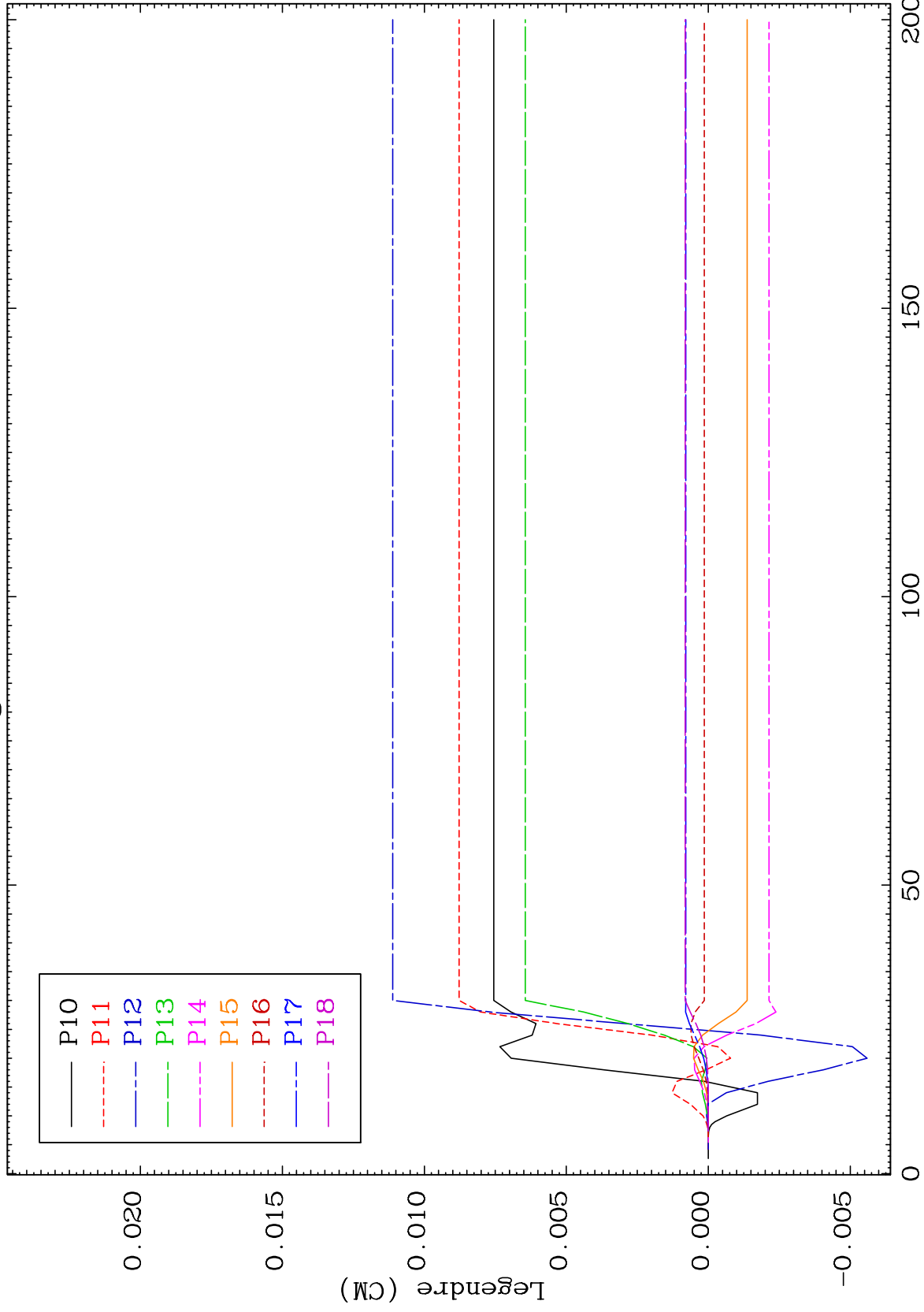
Incident Energy (MeV)

35

MAT 4013

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

40-Zr-86



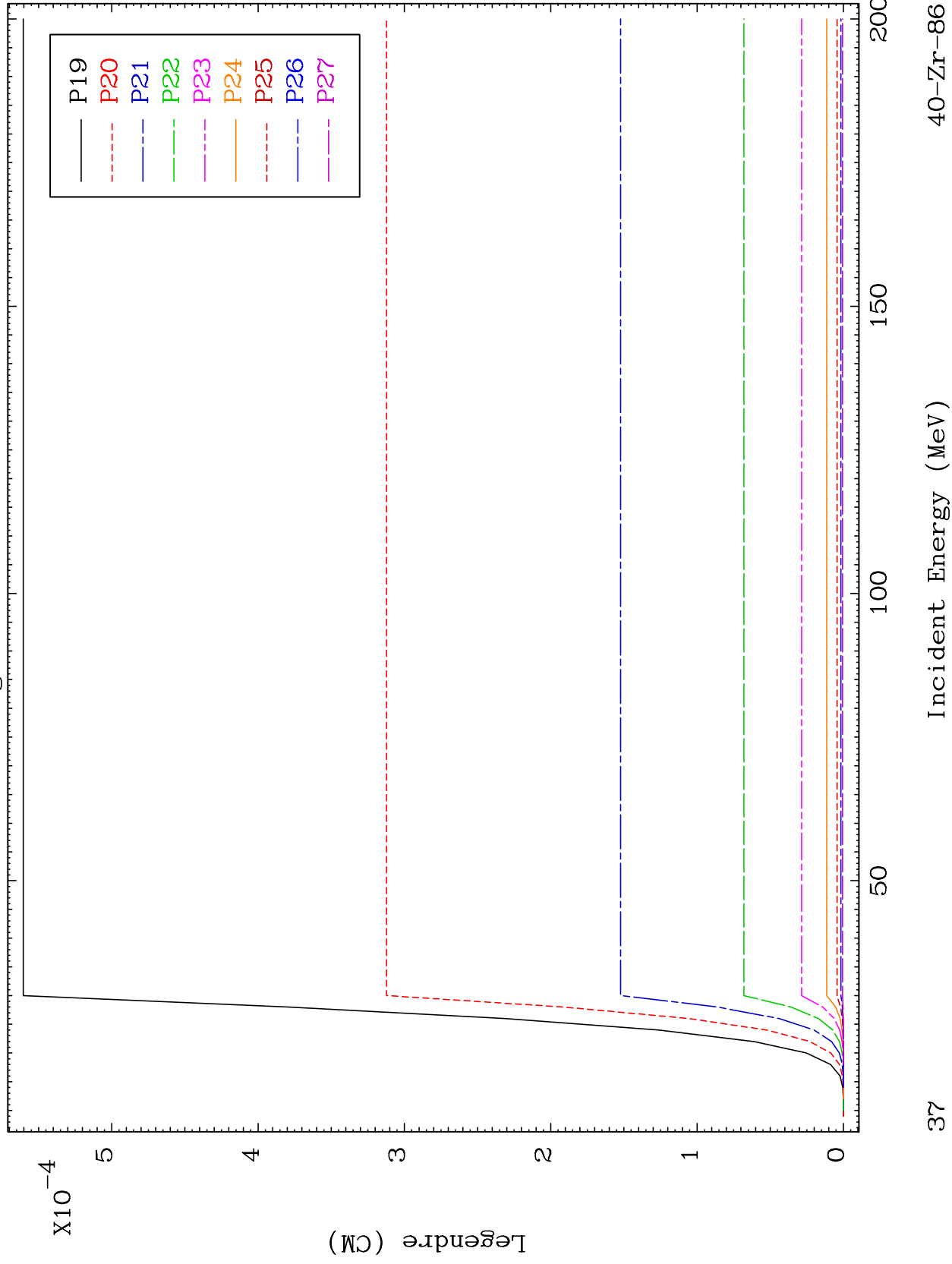
36

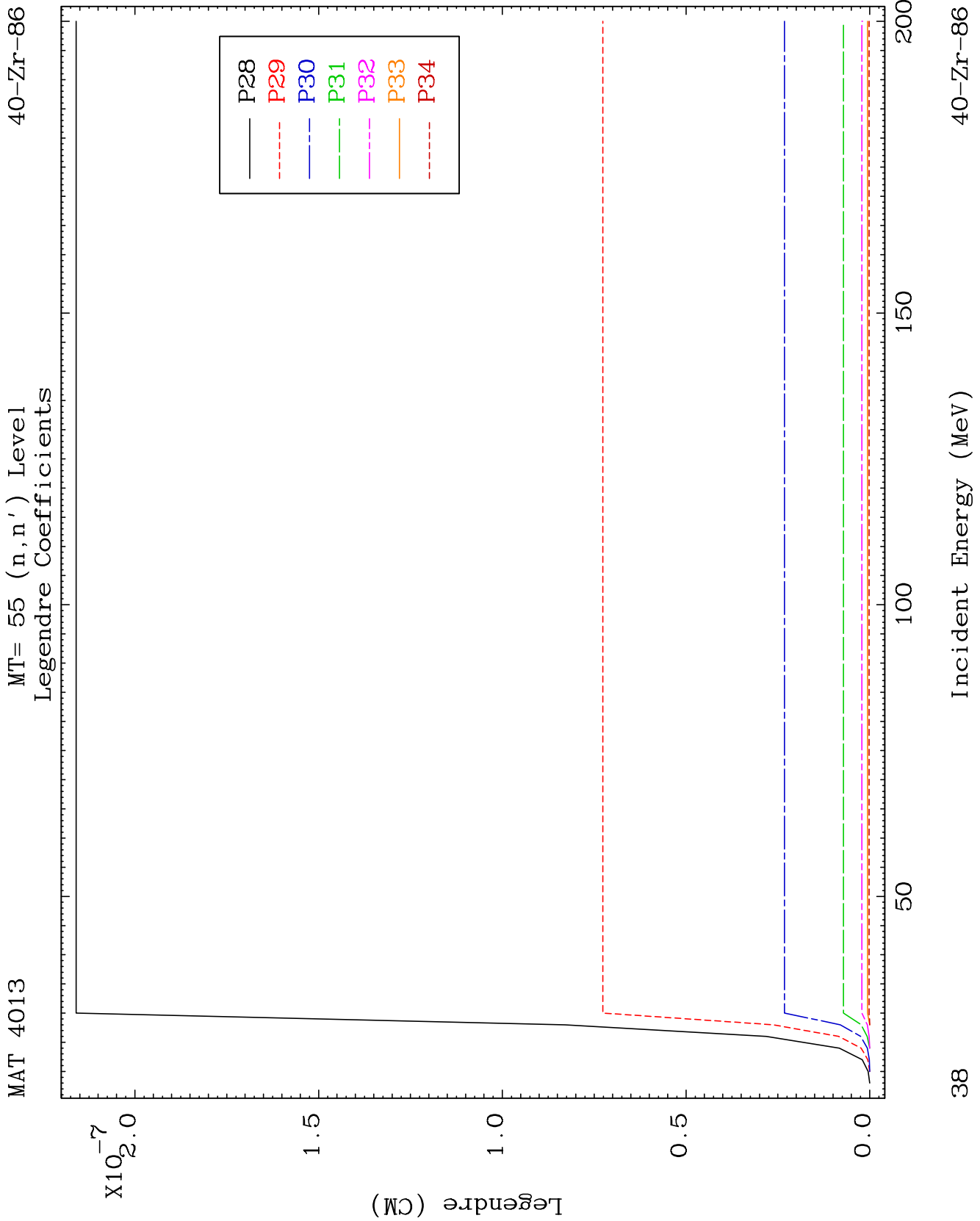
40-Zr-86

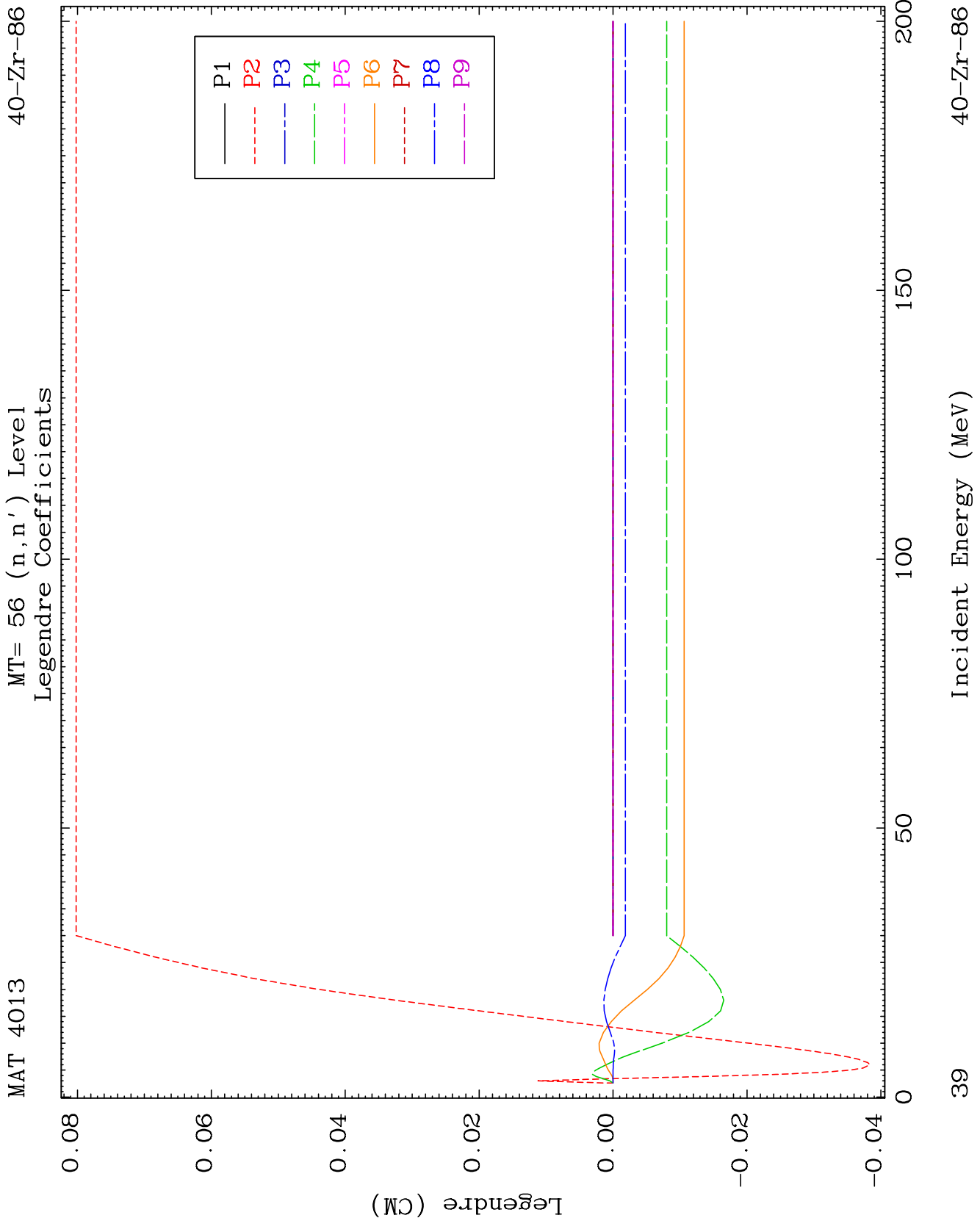
MAT 4013

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

40-Zr-86



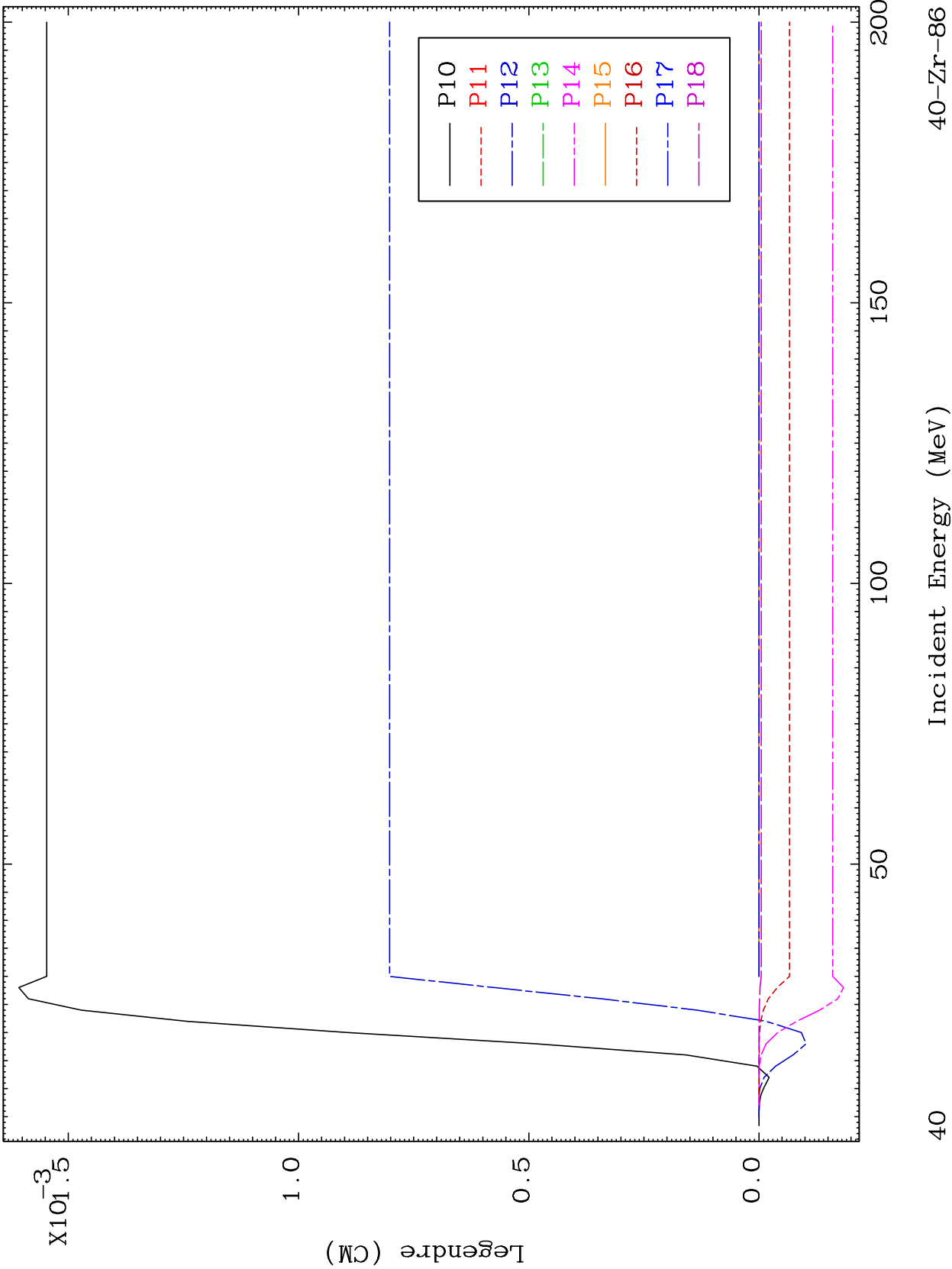




MAT 4013

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

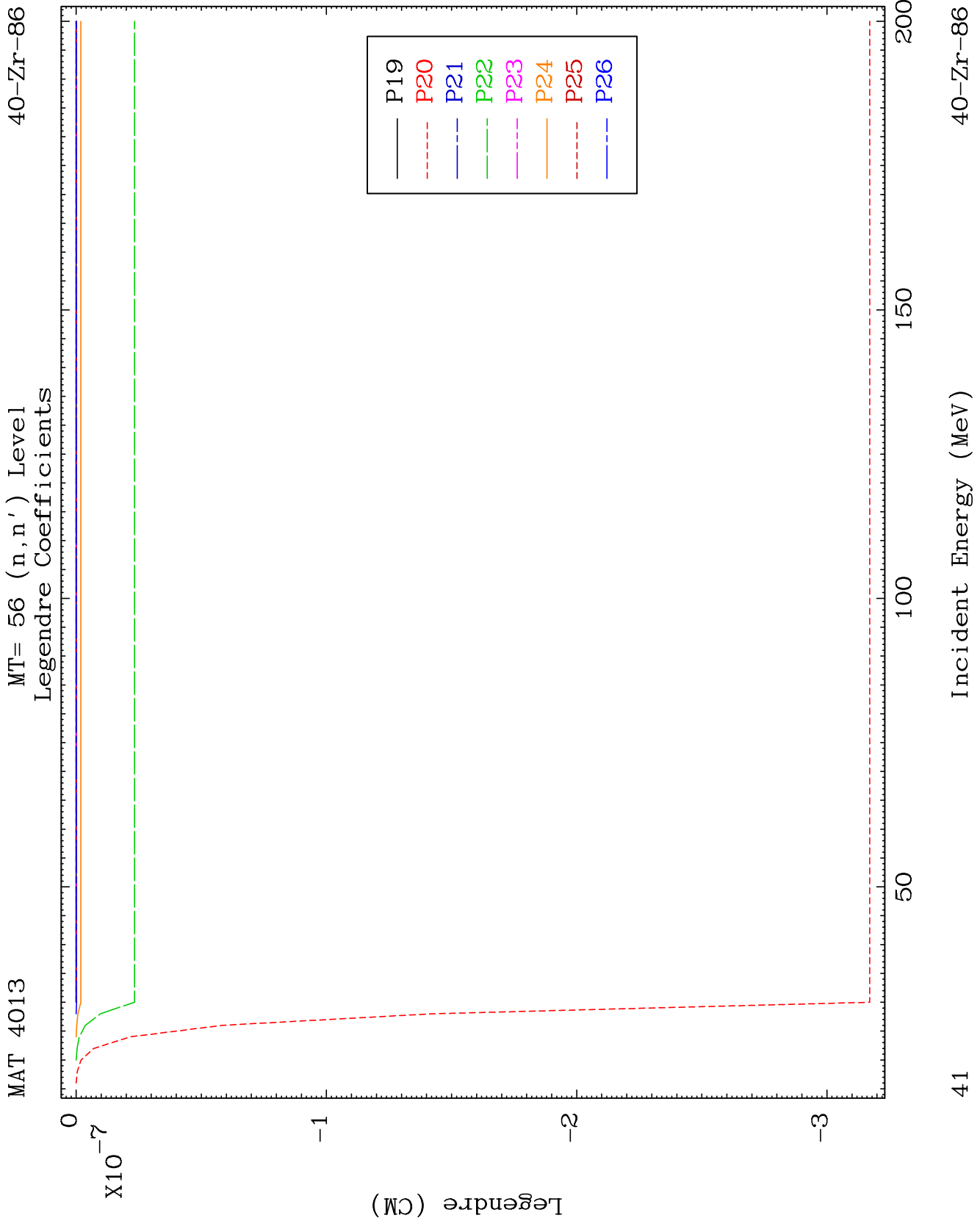
40-Zr-86

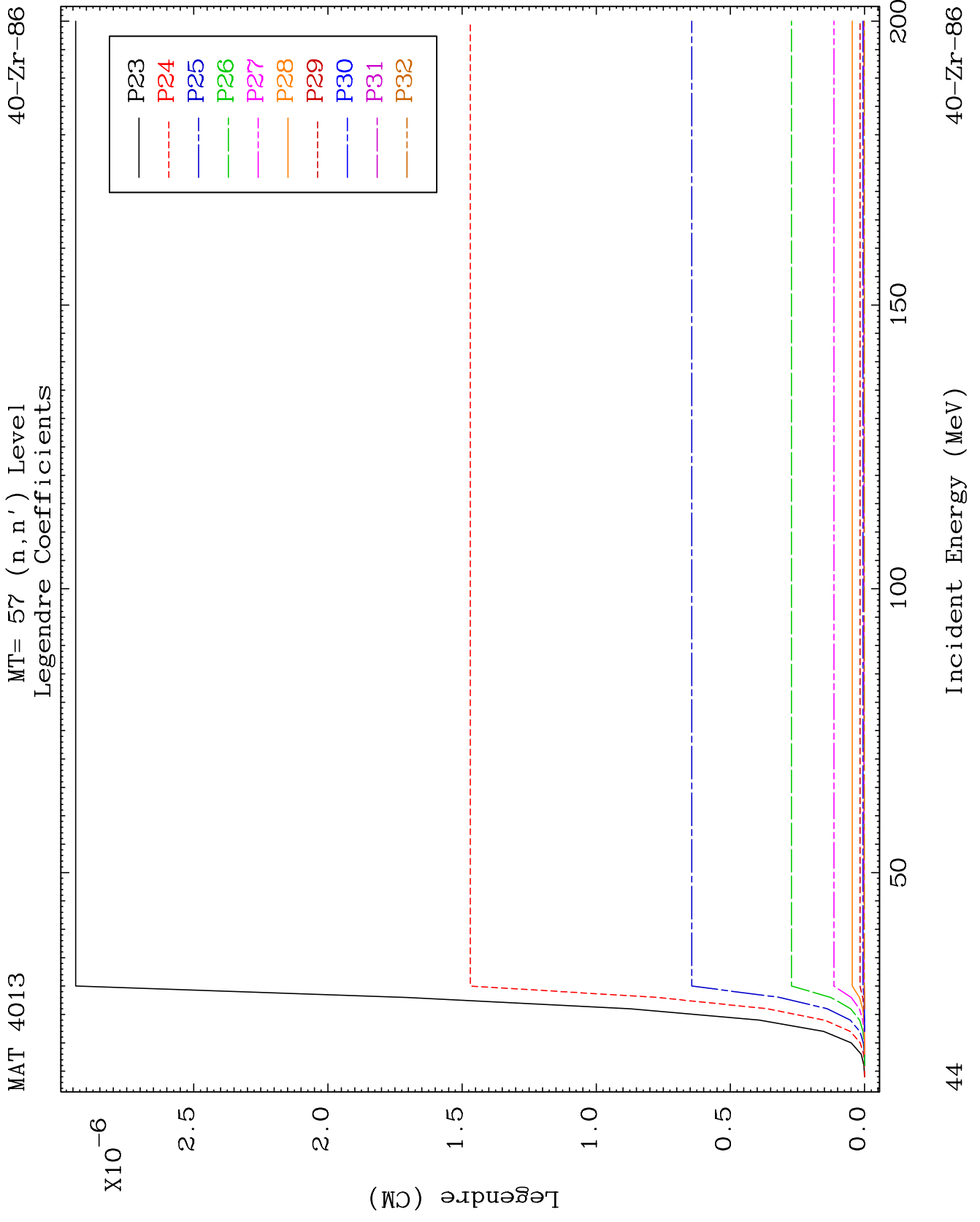


40

Incident Energy (MeV)

40-Zr-86

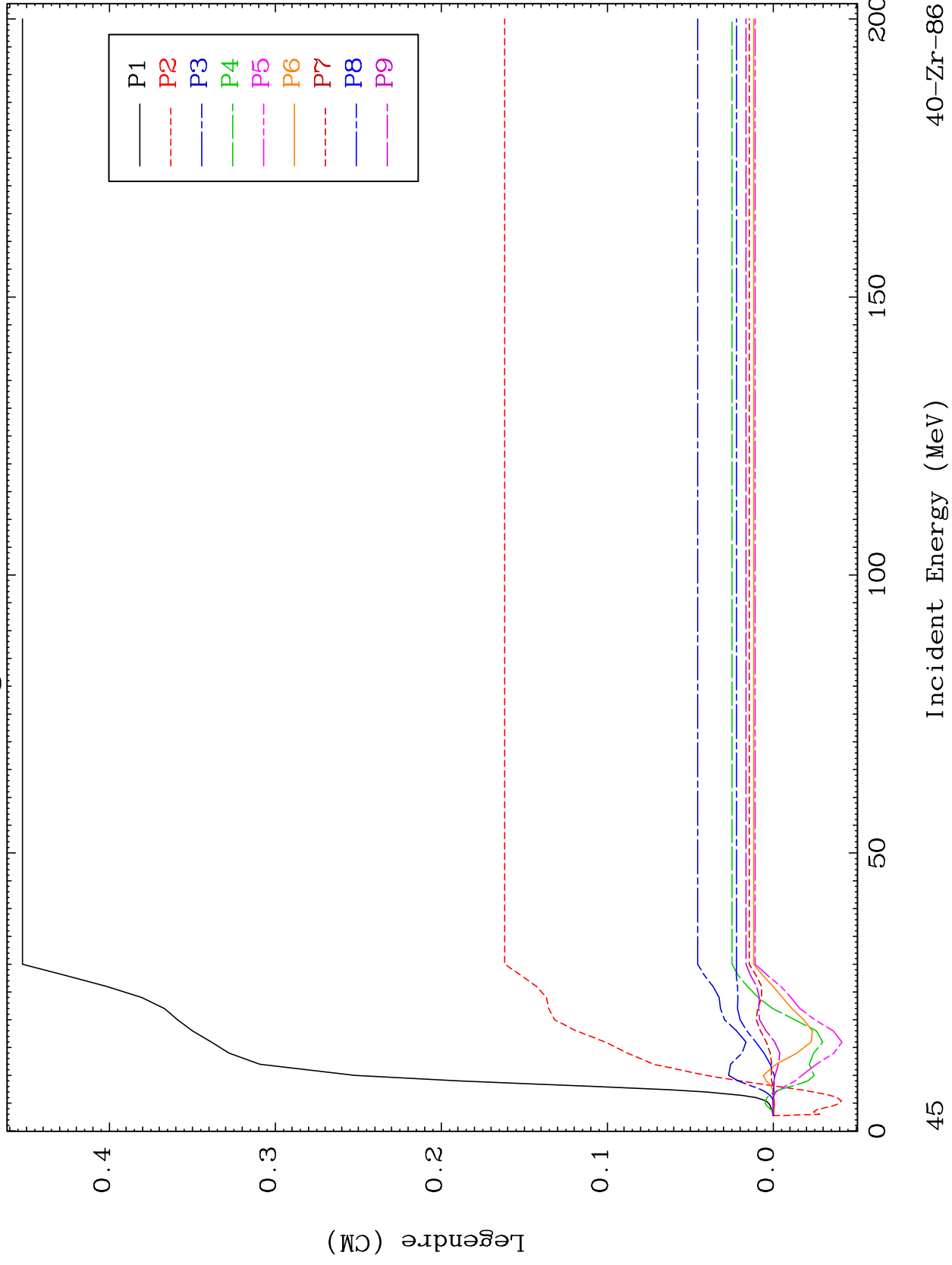




MAT 4013

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

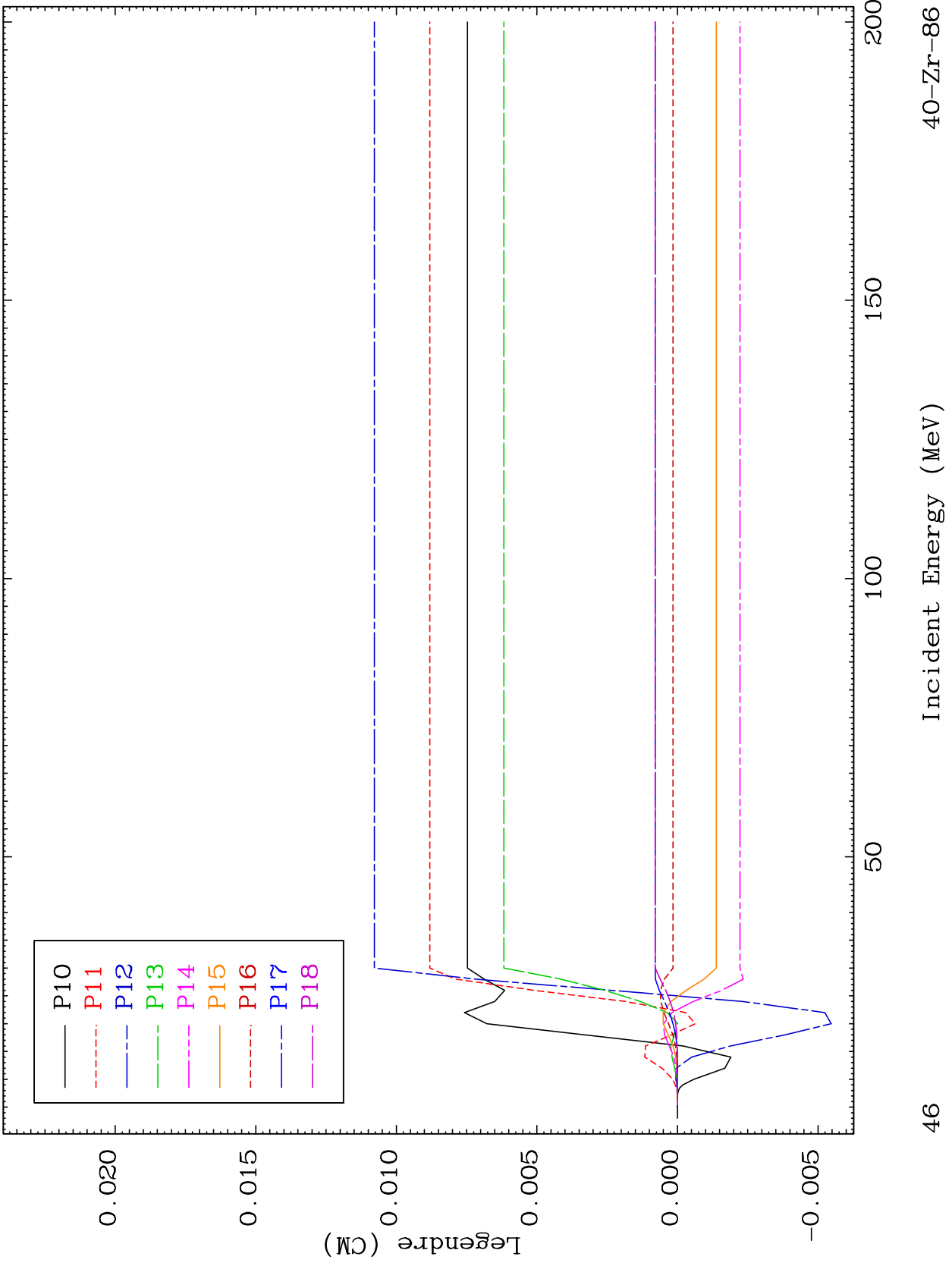
40-Zr-86



MAT 4013

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

40-Zr-86



46

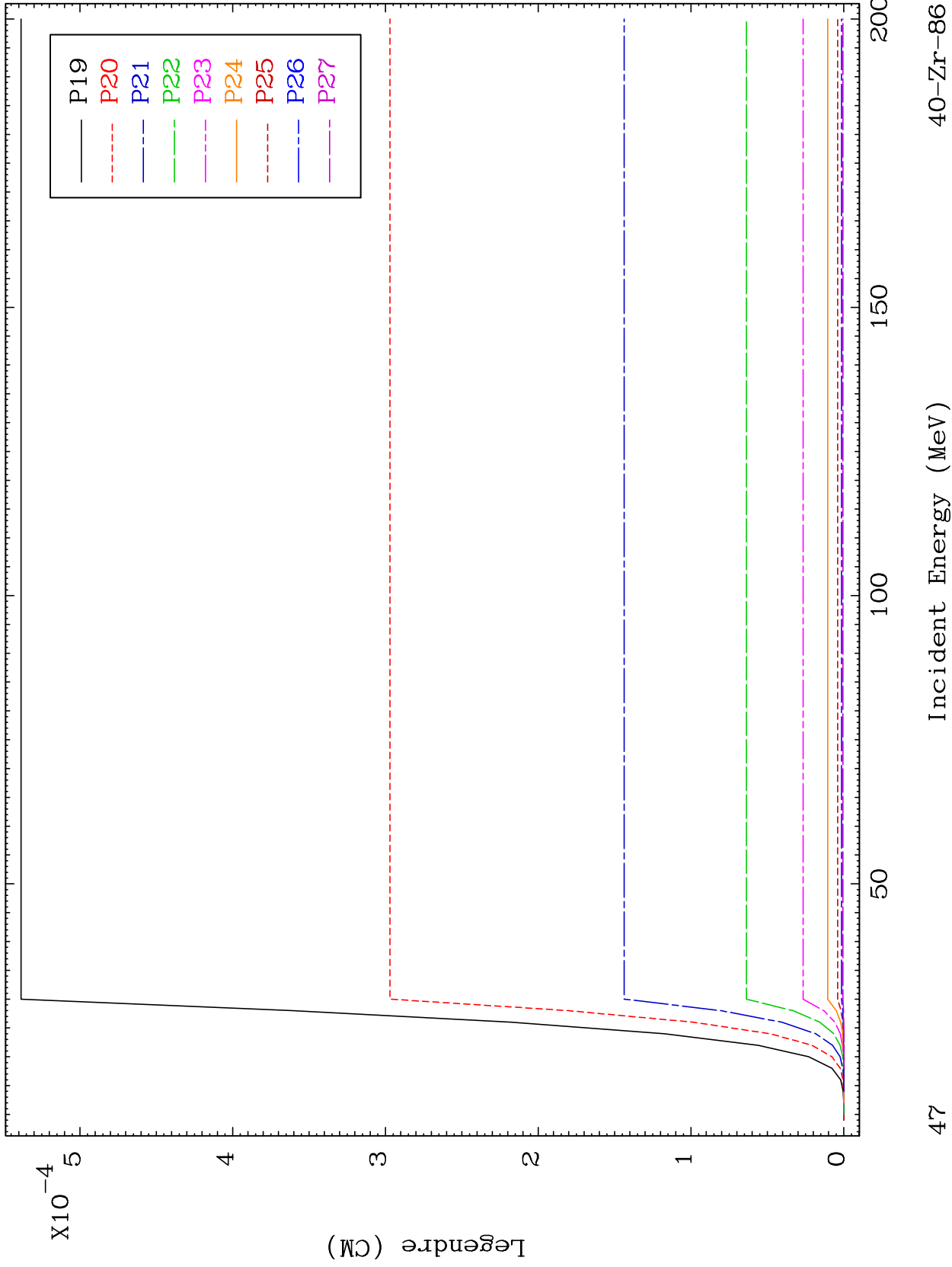
Incident Energy (MeV)

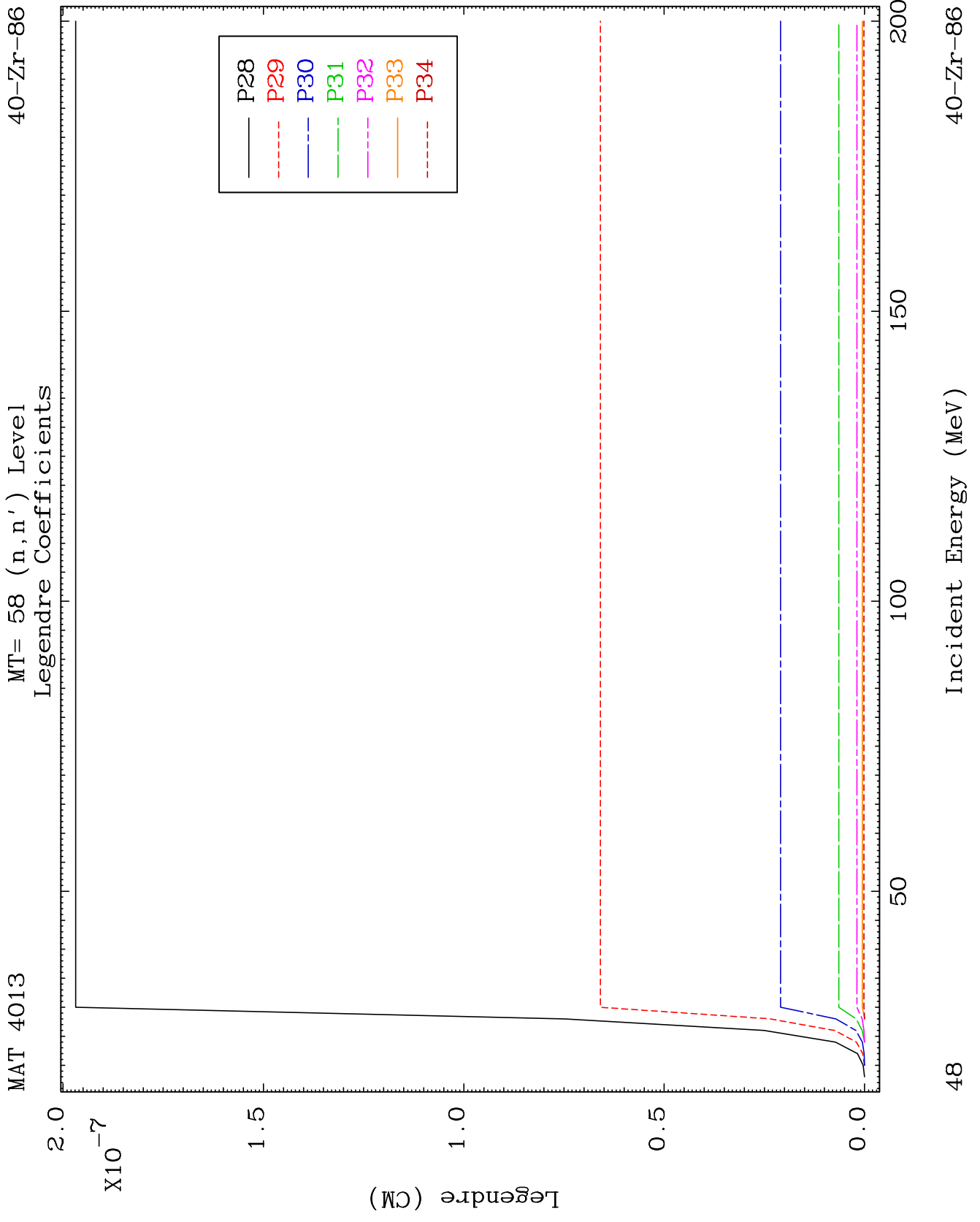
40-Zr-86

MAT 4013

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

40-Zr-86

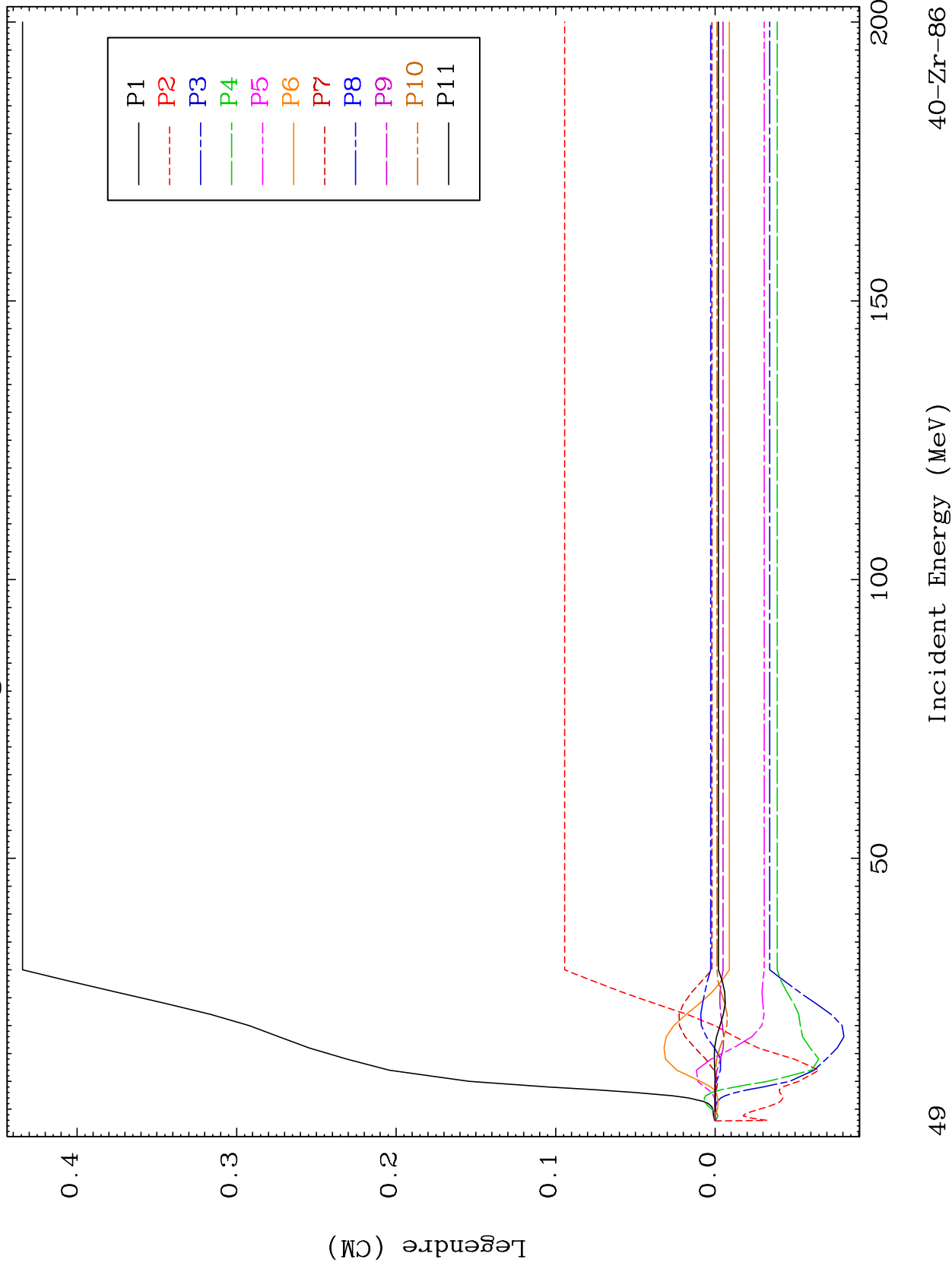




MAT 4013

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

40-Zr-86



49

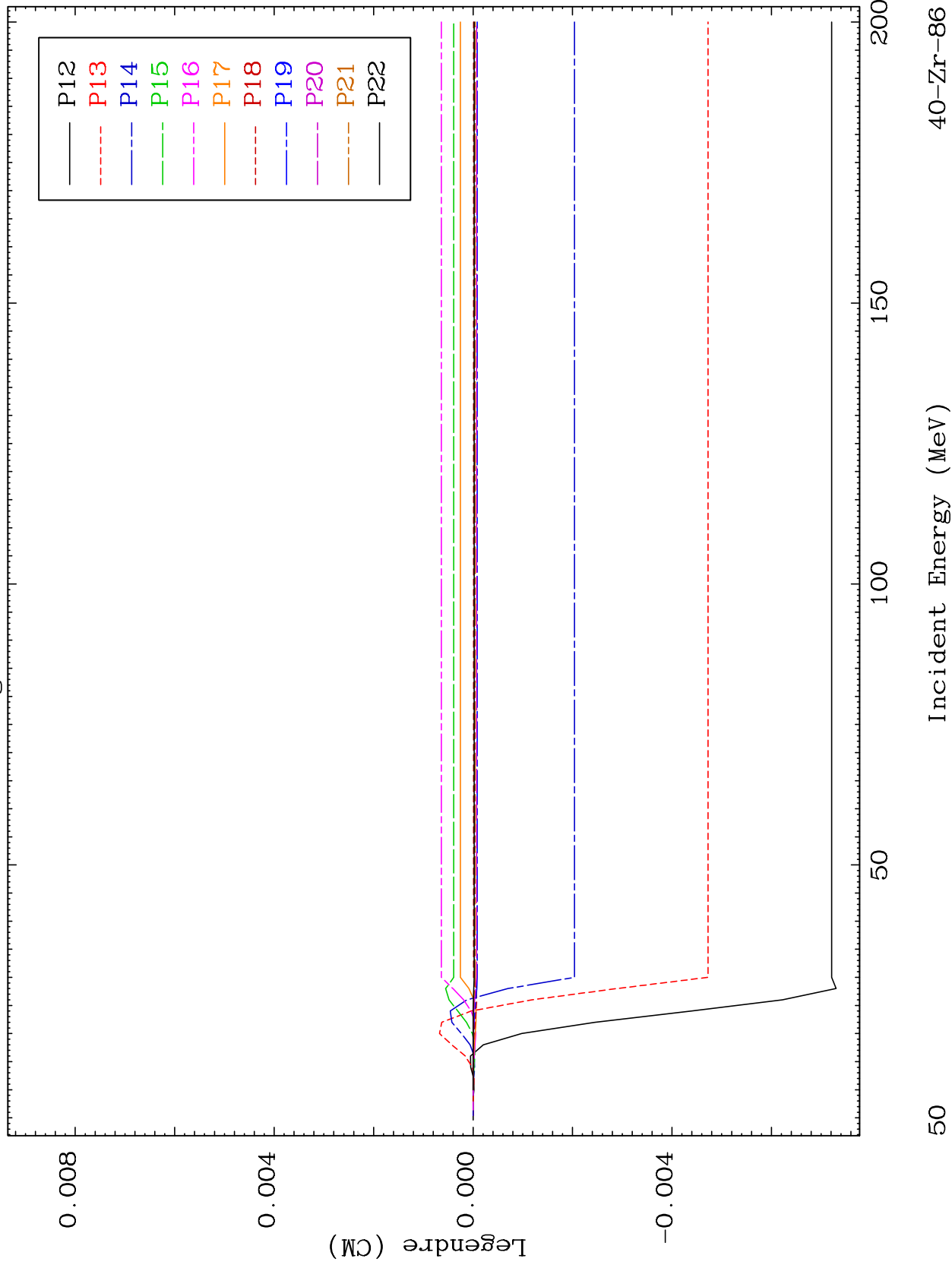
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

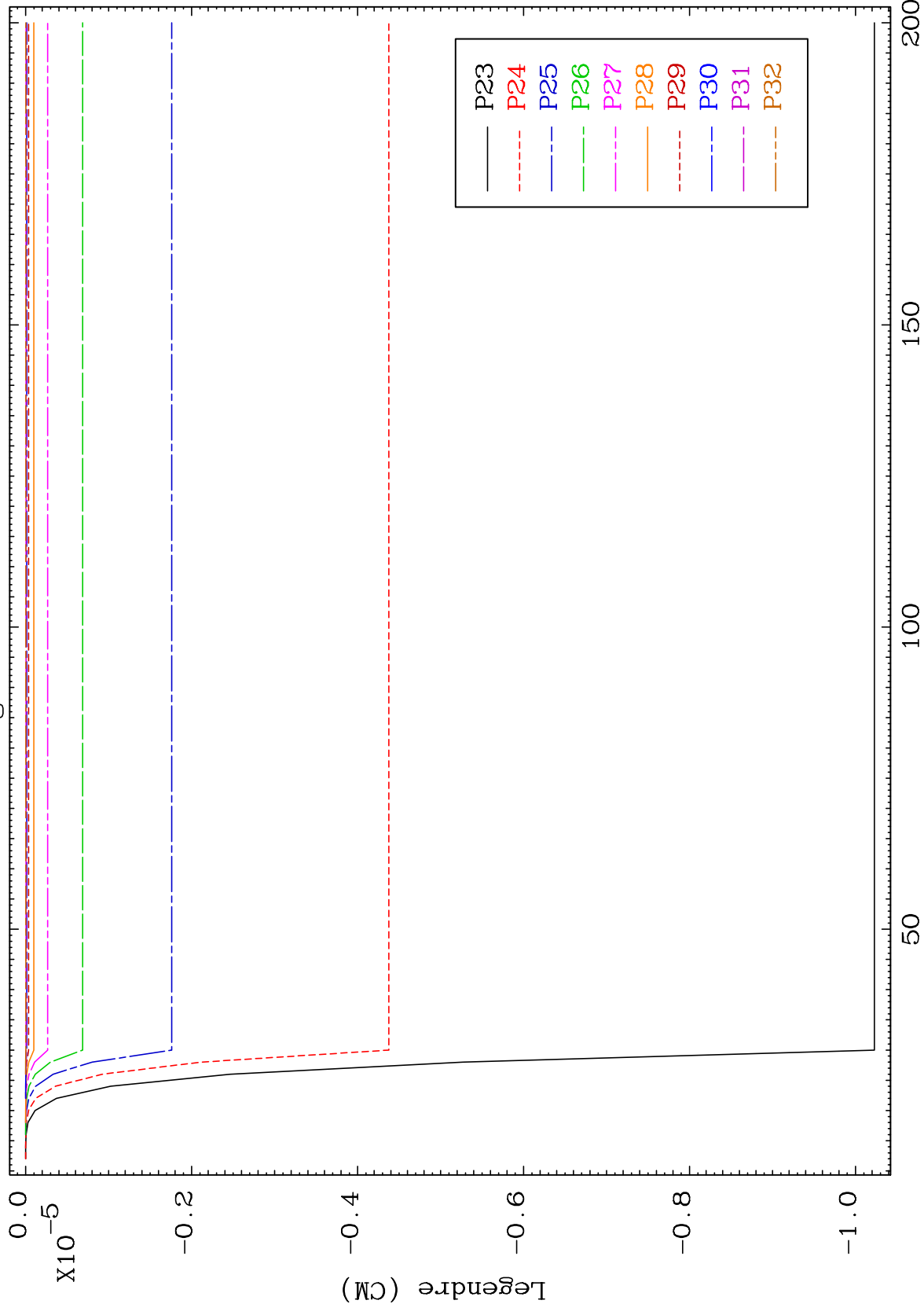
40-Zr-86



50

Incident Energy (MeV)

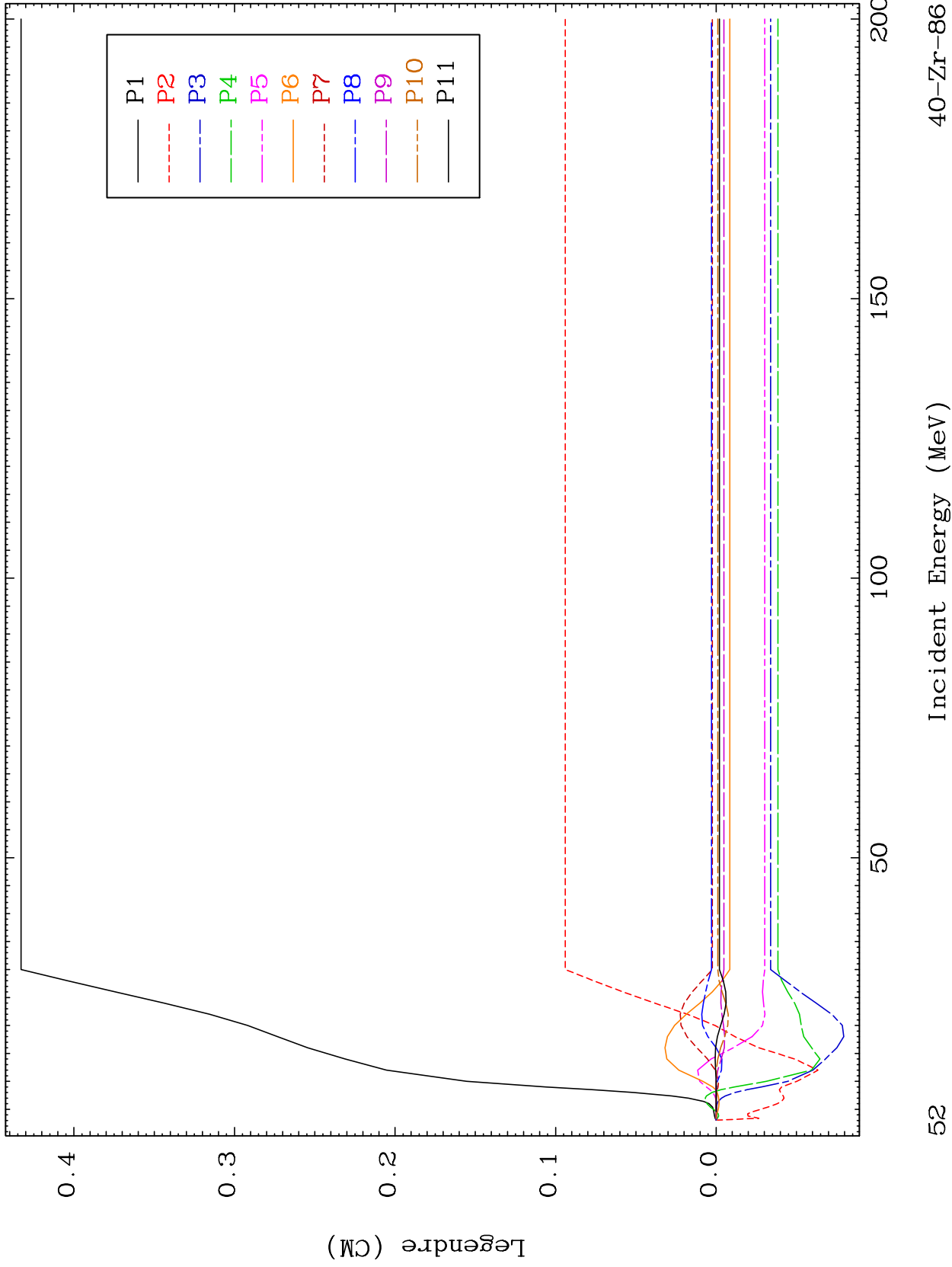
40-Zr-86



MAT 4013

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

40-Zr-86



52

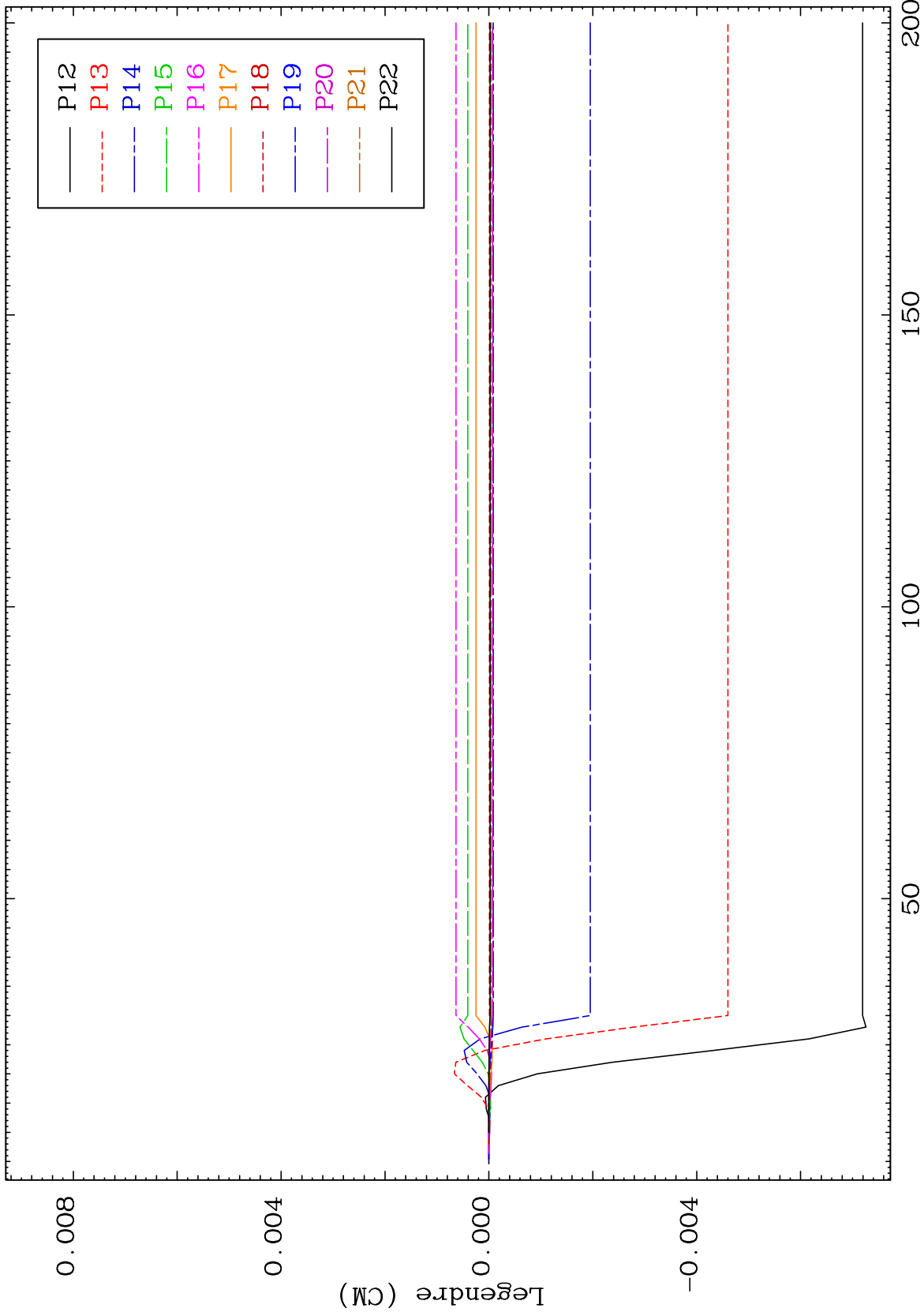
Incident Energy (MeV)

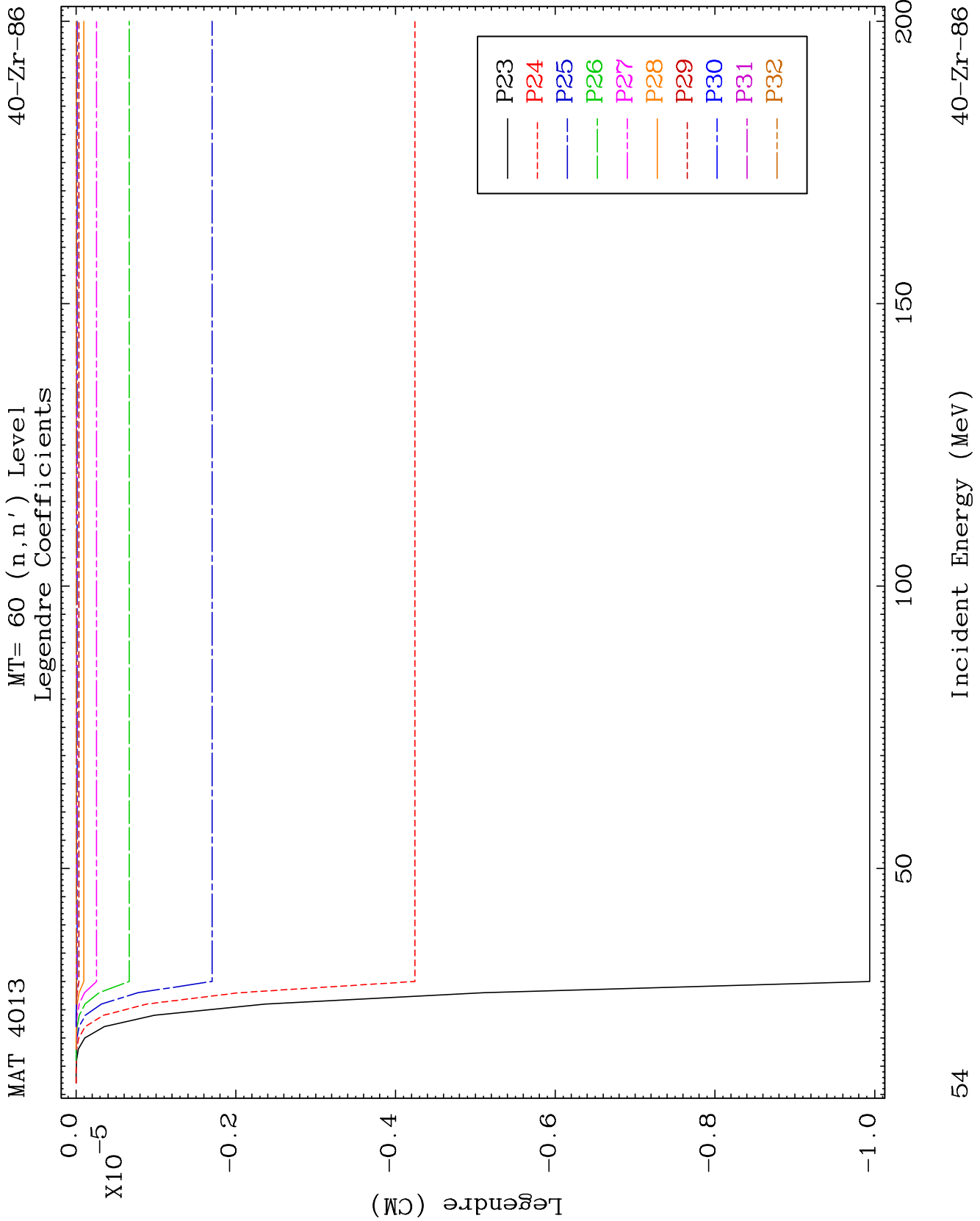
40-Zr-86

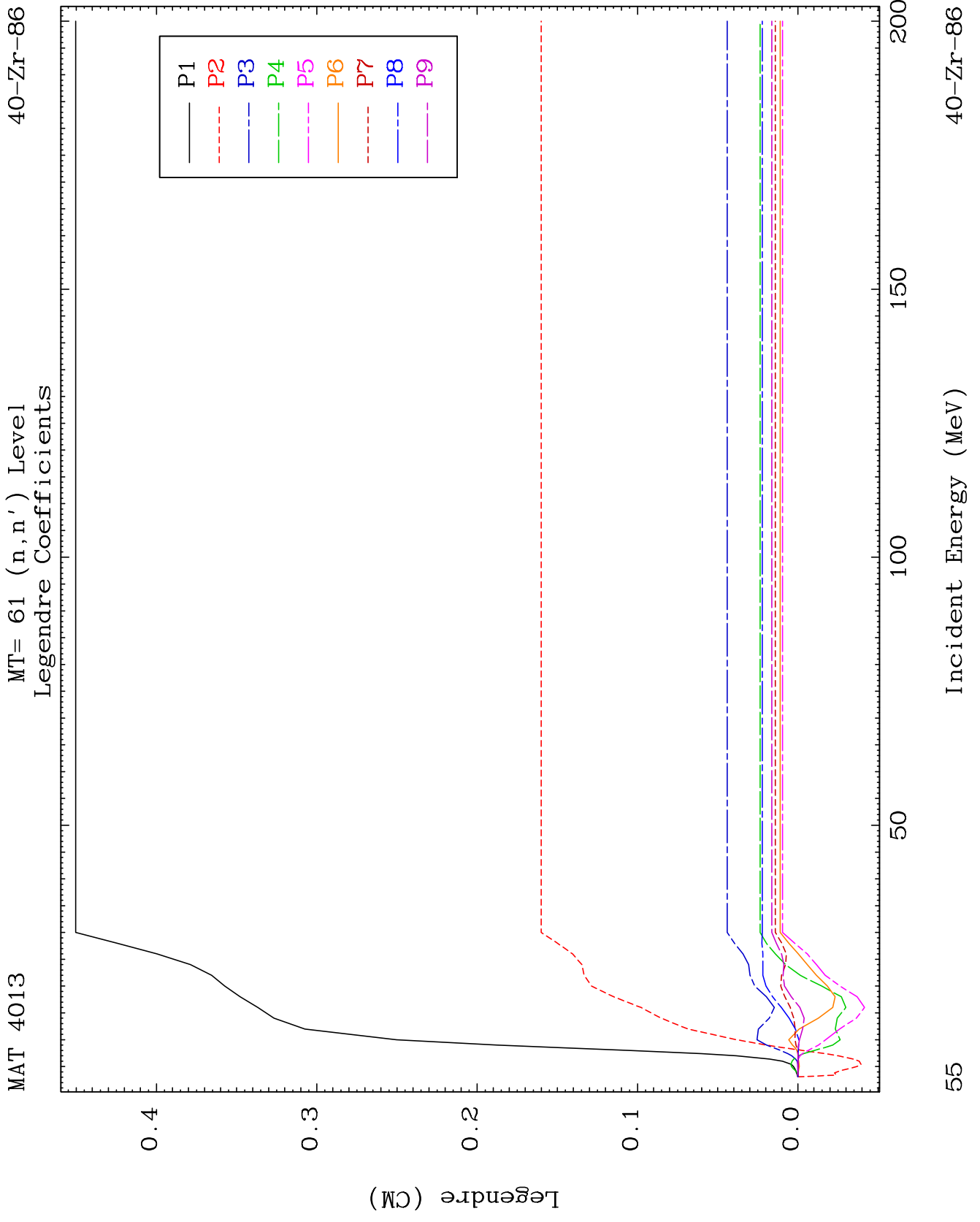
MAT 4013

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

40-Zr-86



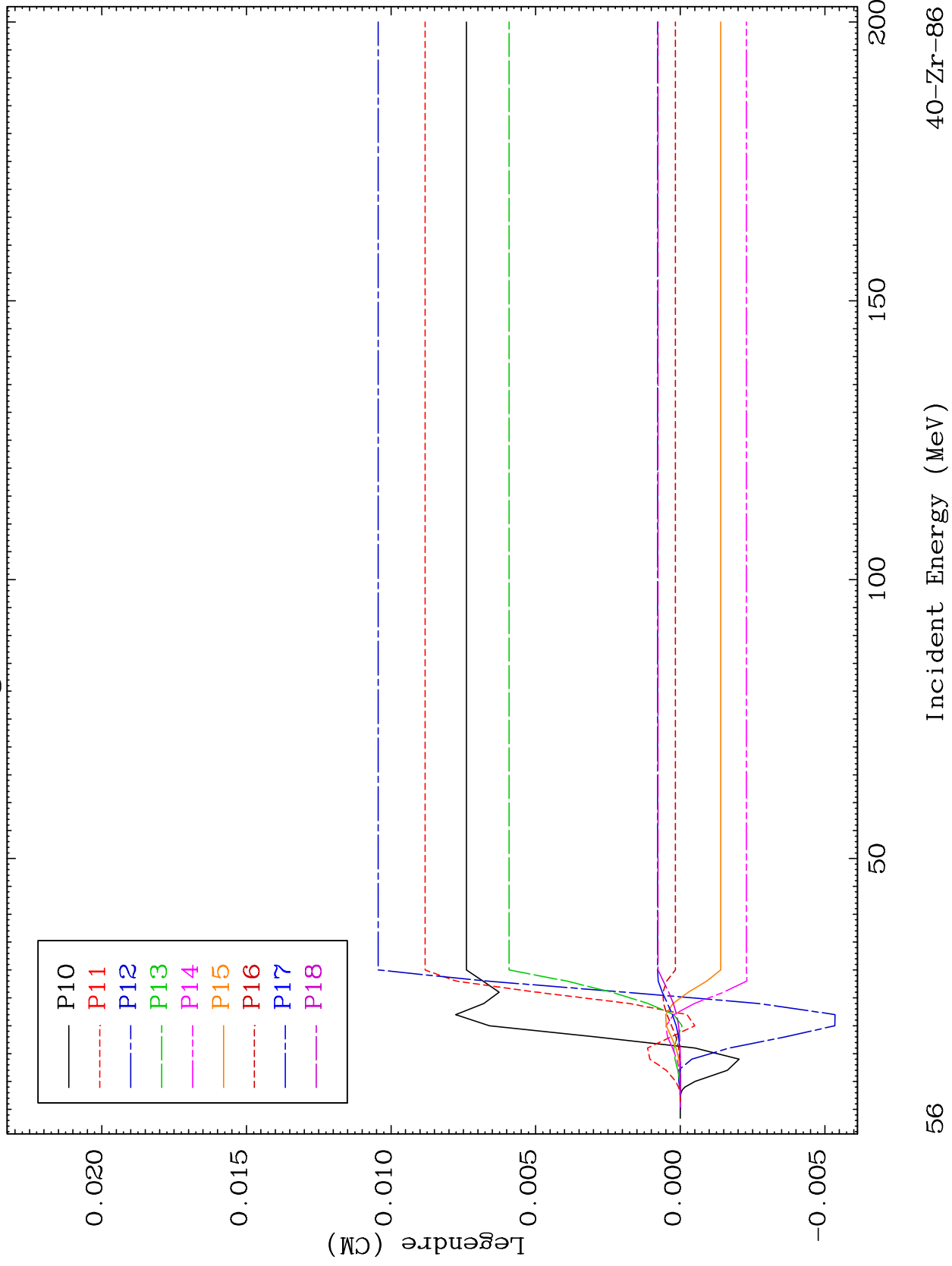




MAT 4013

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

40-Zr-86

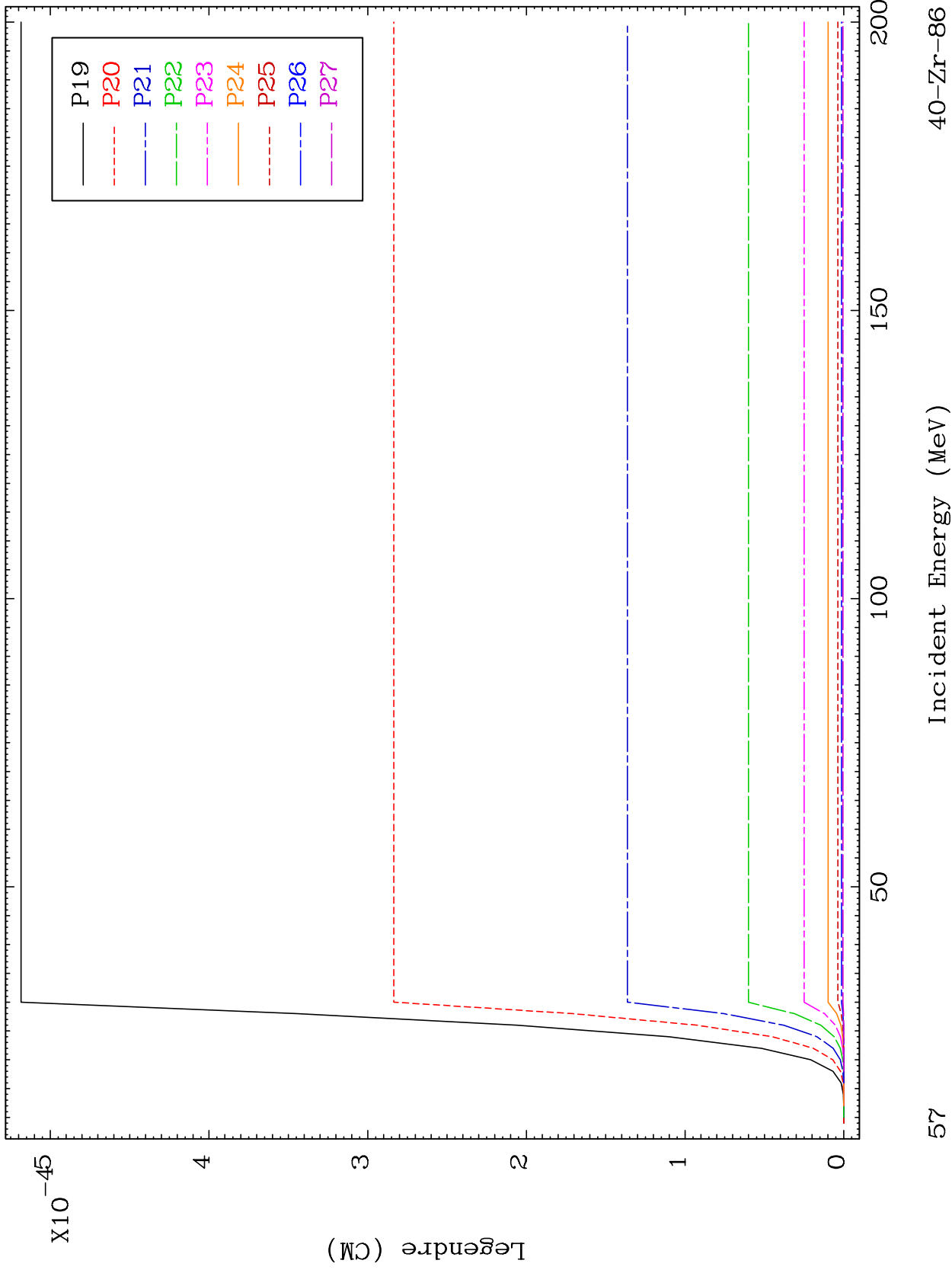


56

MAT 4013

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

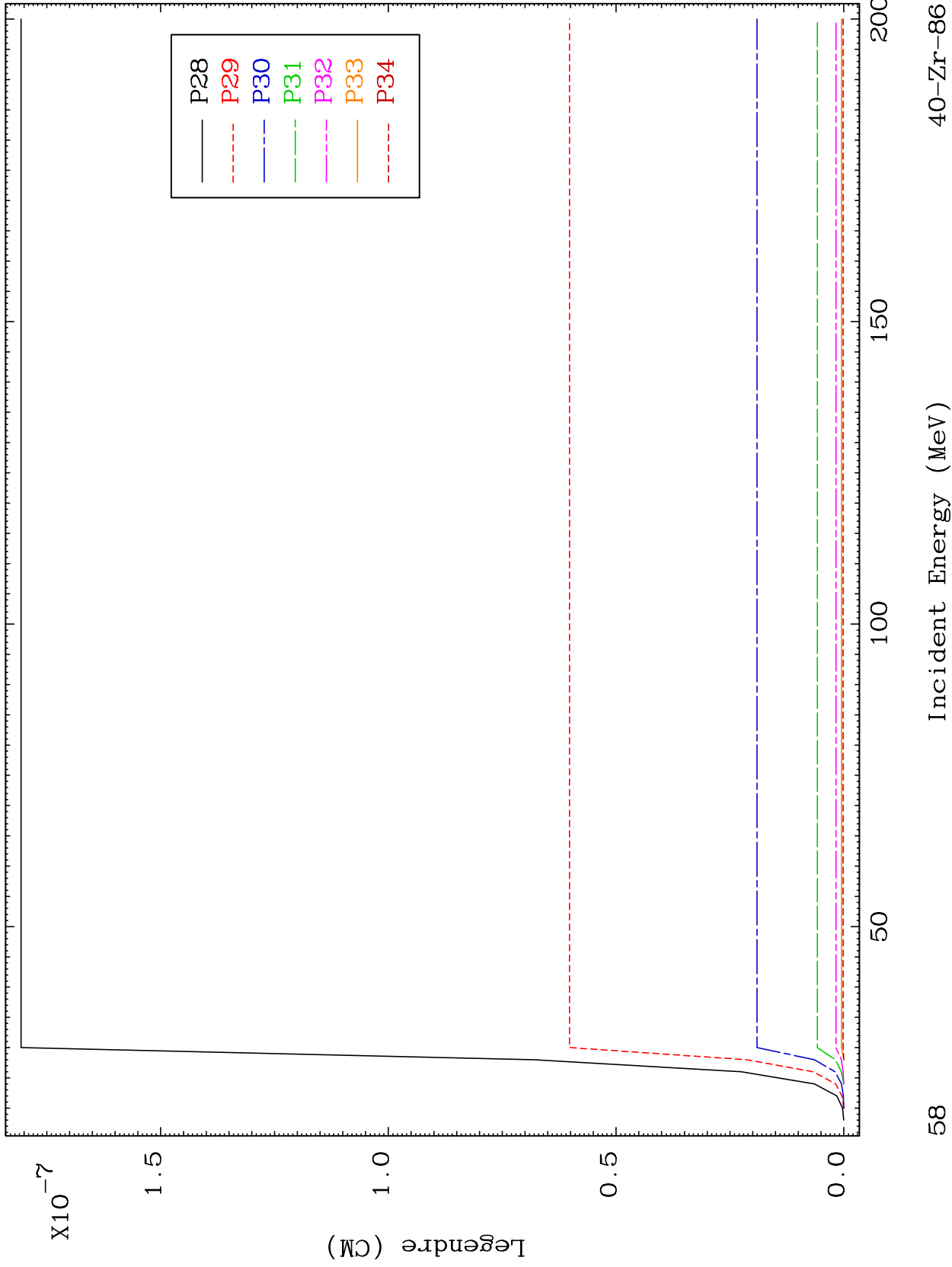
40-Zr-86



MAT 4013

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

40-Zr-86



58

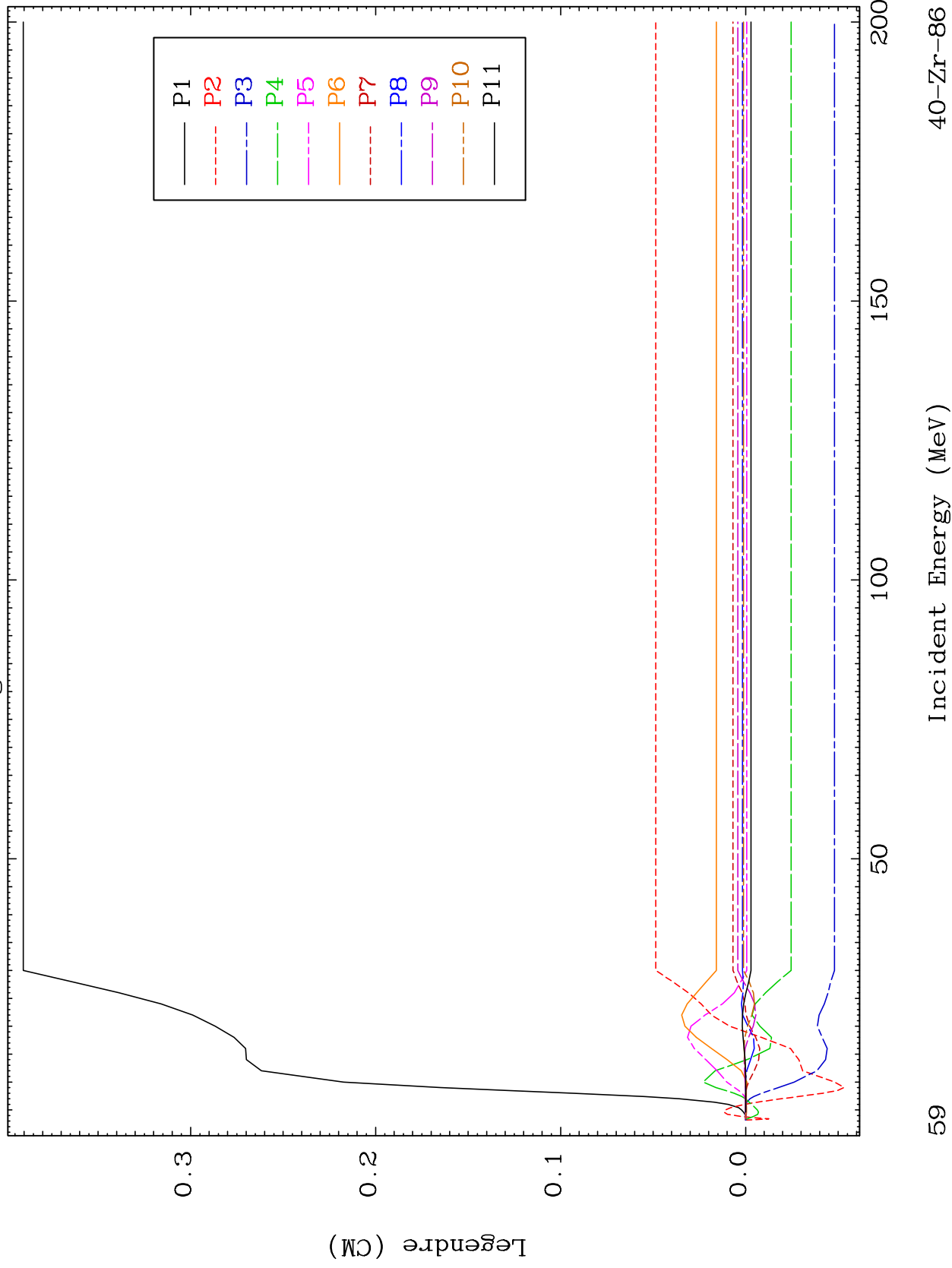
Incident Energy (MeV)

40-Zr-86

MAT 4013

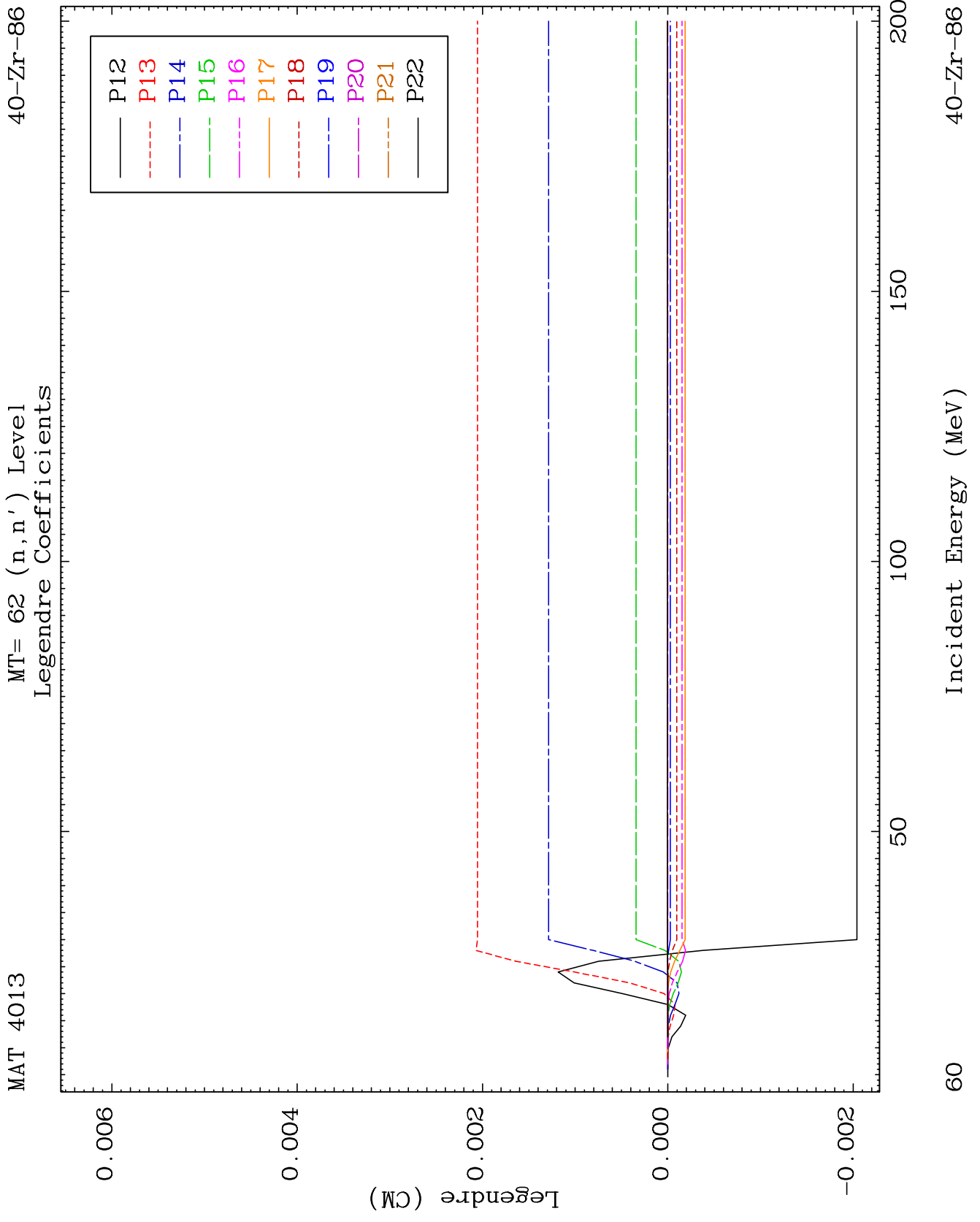
MT= 62 (n,n') Level
Legendre Coefficients

40-Zr-86



59

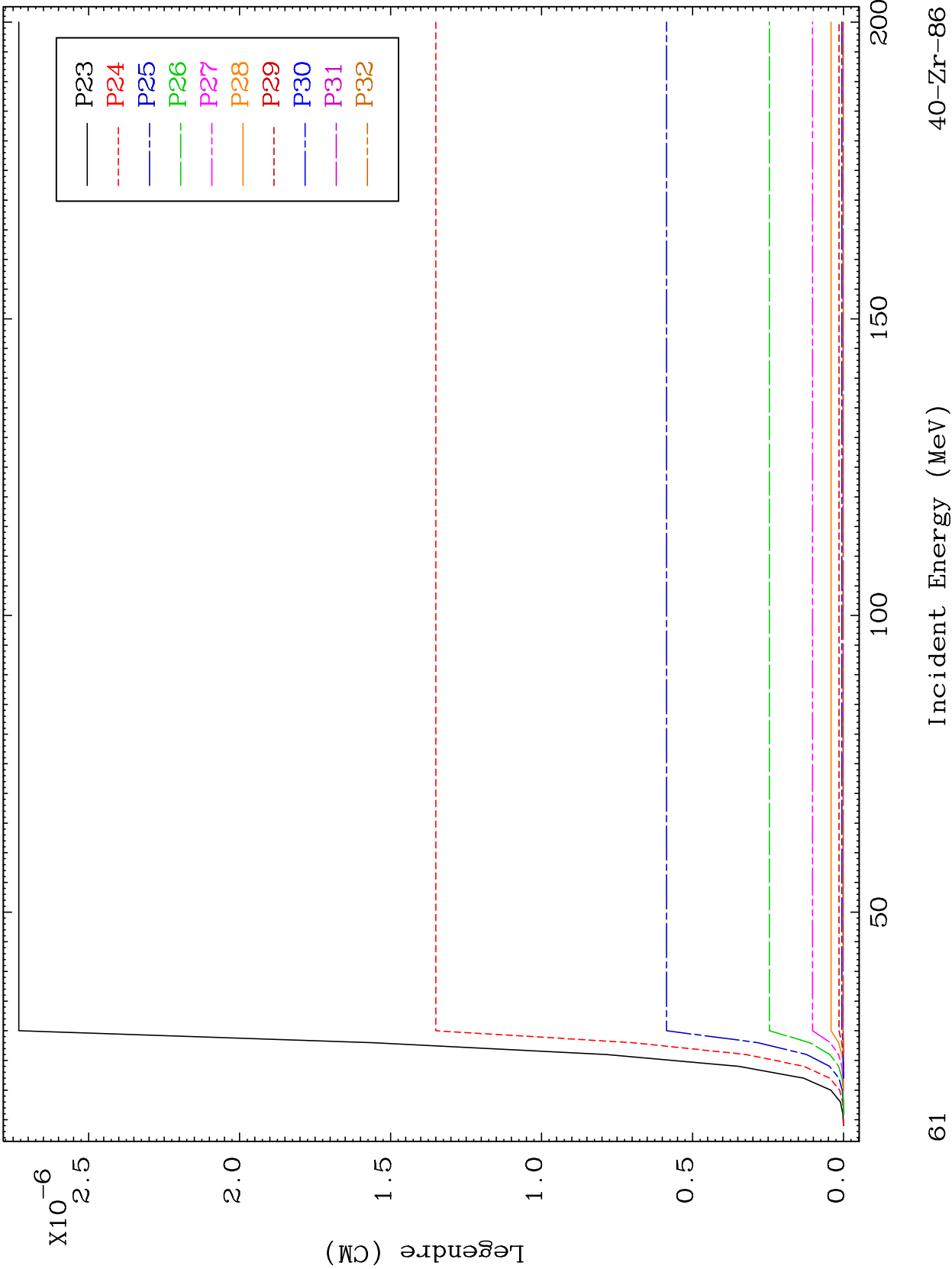
40-Zr-86



MAT 4013

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

40-Zr-86



61

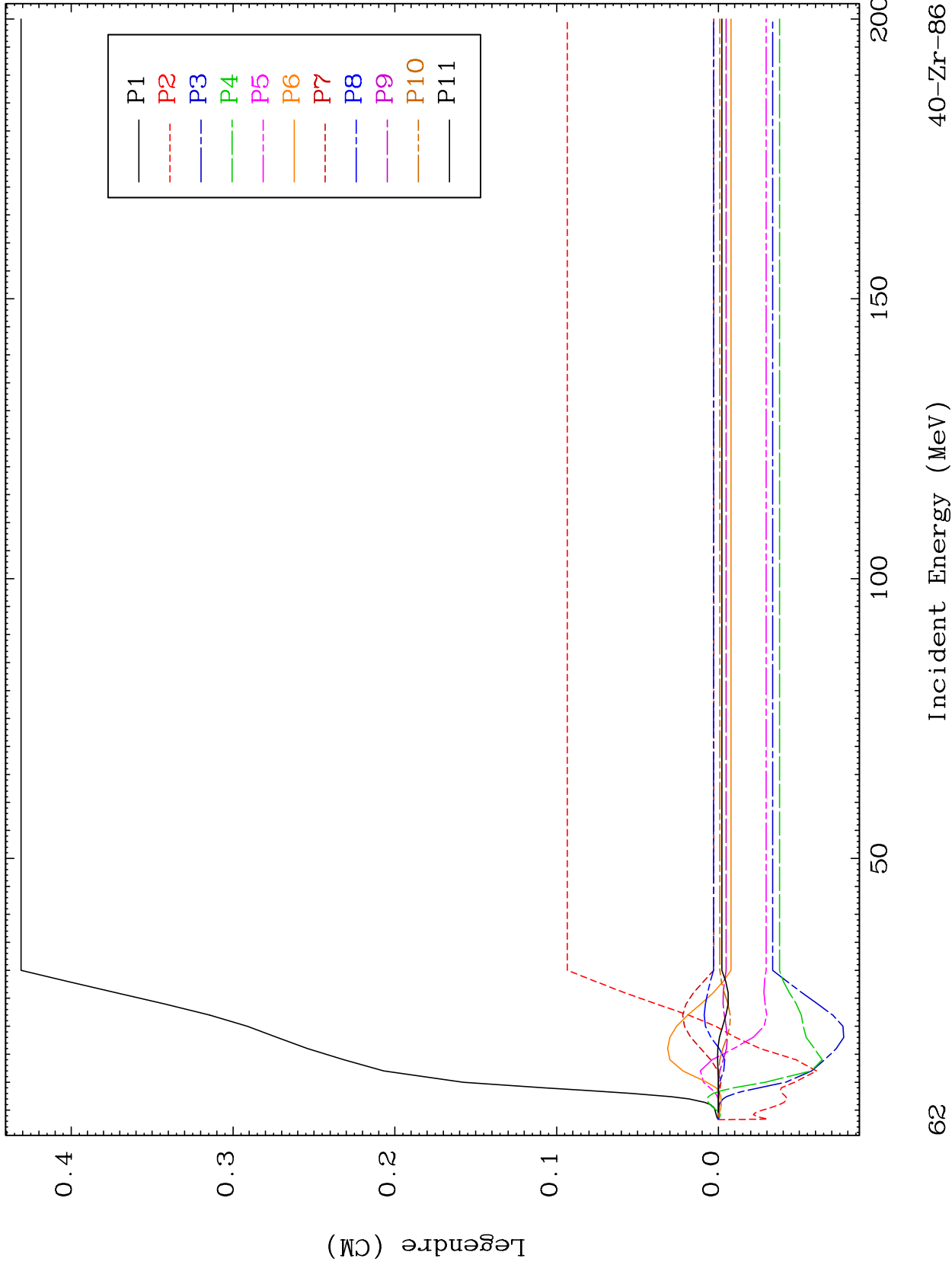
Incident Energy (MeV)

40-Zr-86

MAT 4013

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

40-Zr-86



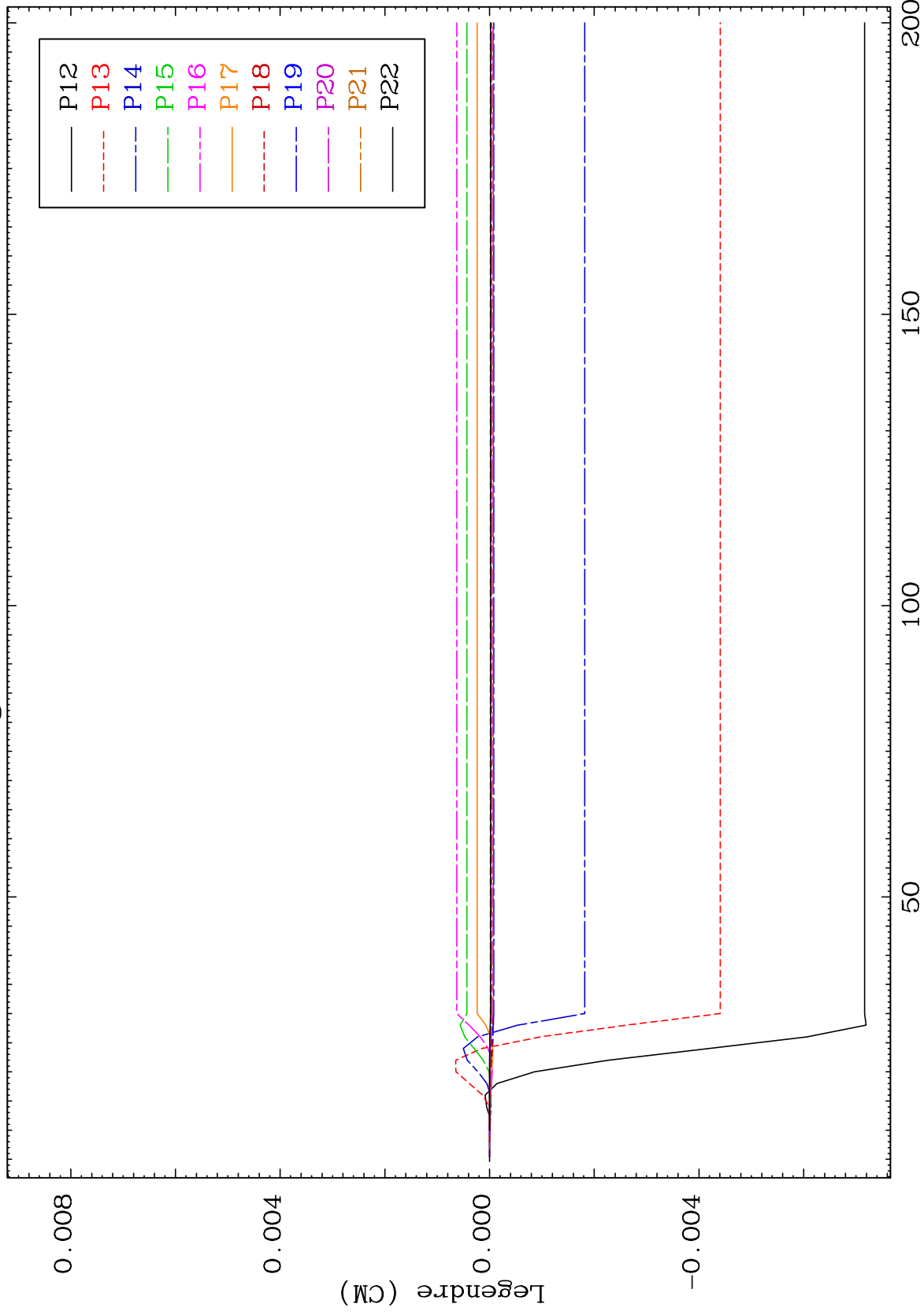
62

40-Zr-86

MAT 4013

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

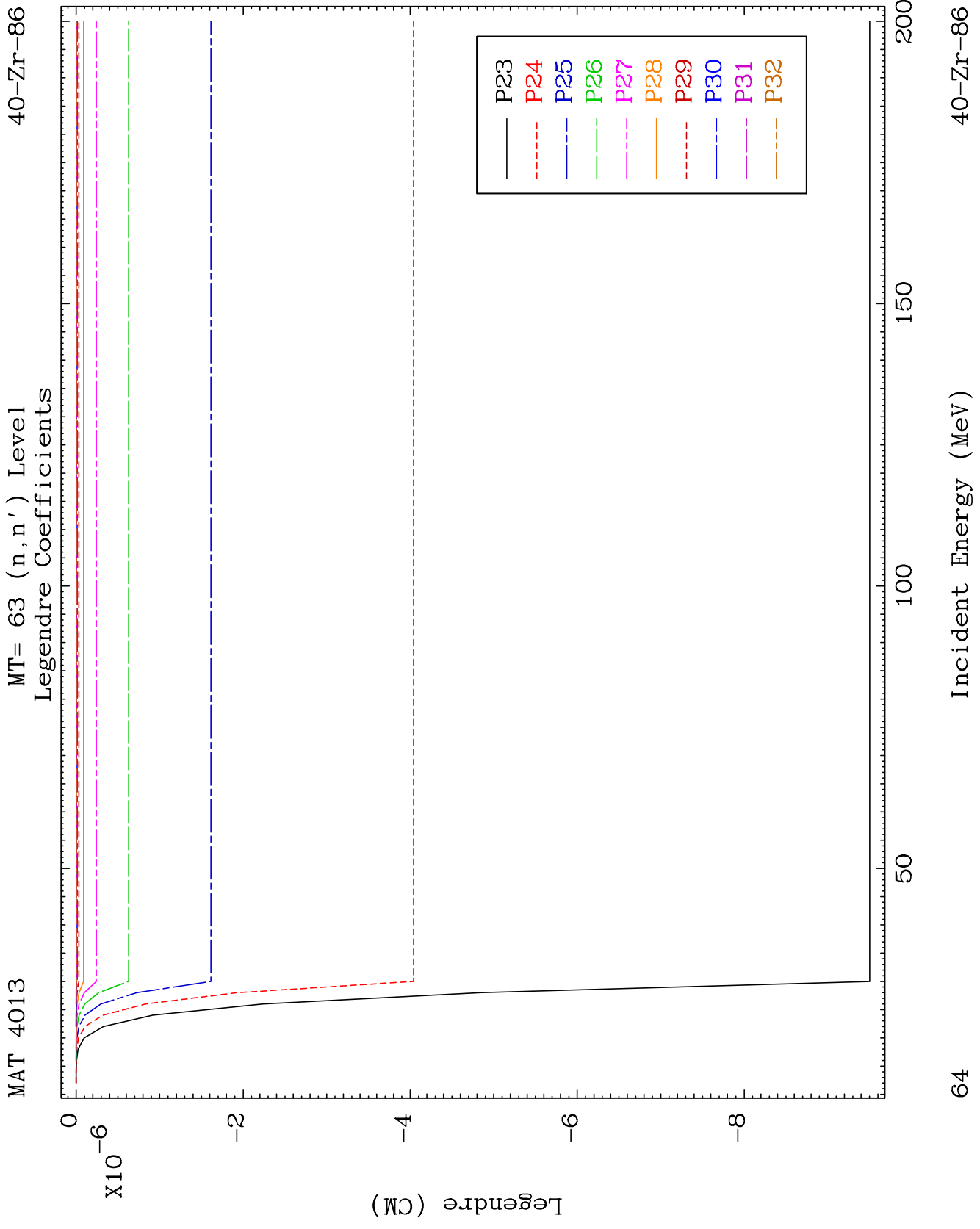
40-Zr-86



63

Incident Energy (MeV)

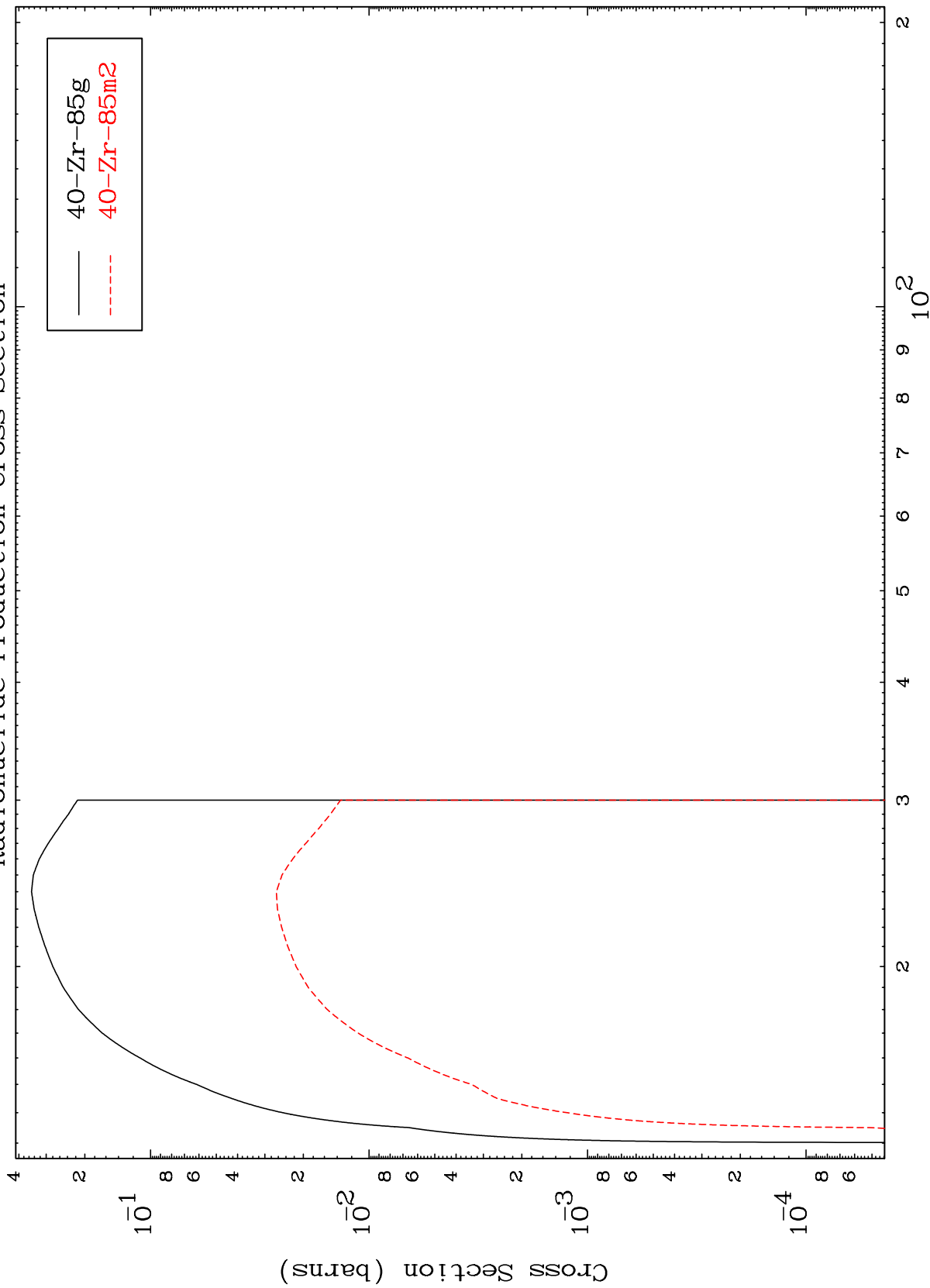
40-Zr-86



MAT 4013

40-Zr-86

(n,2n)
Radionuclide Production Cross Section



65

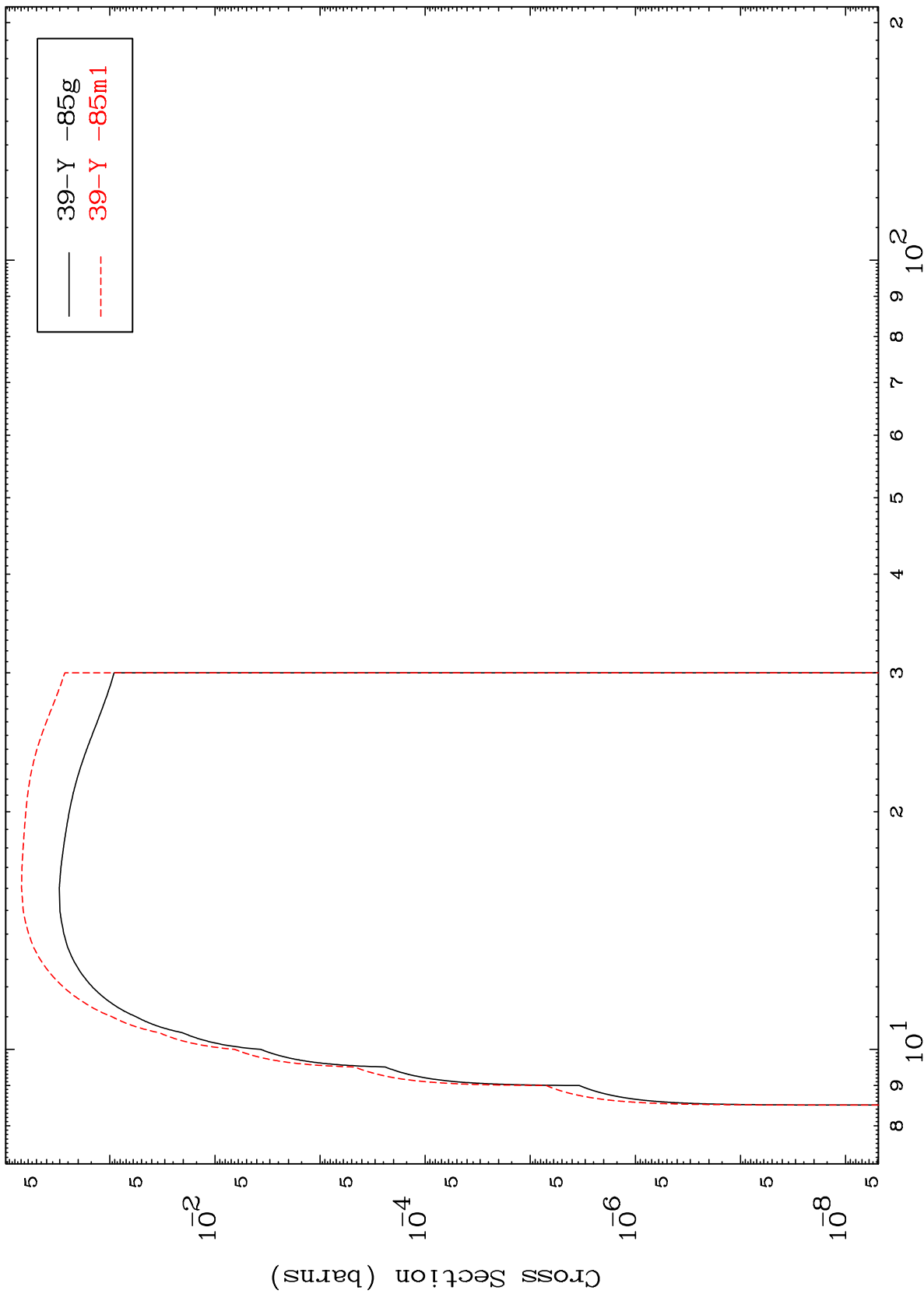
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

(n,n') p
Radionuclide Production Cross Section

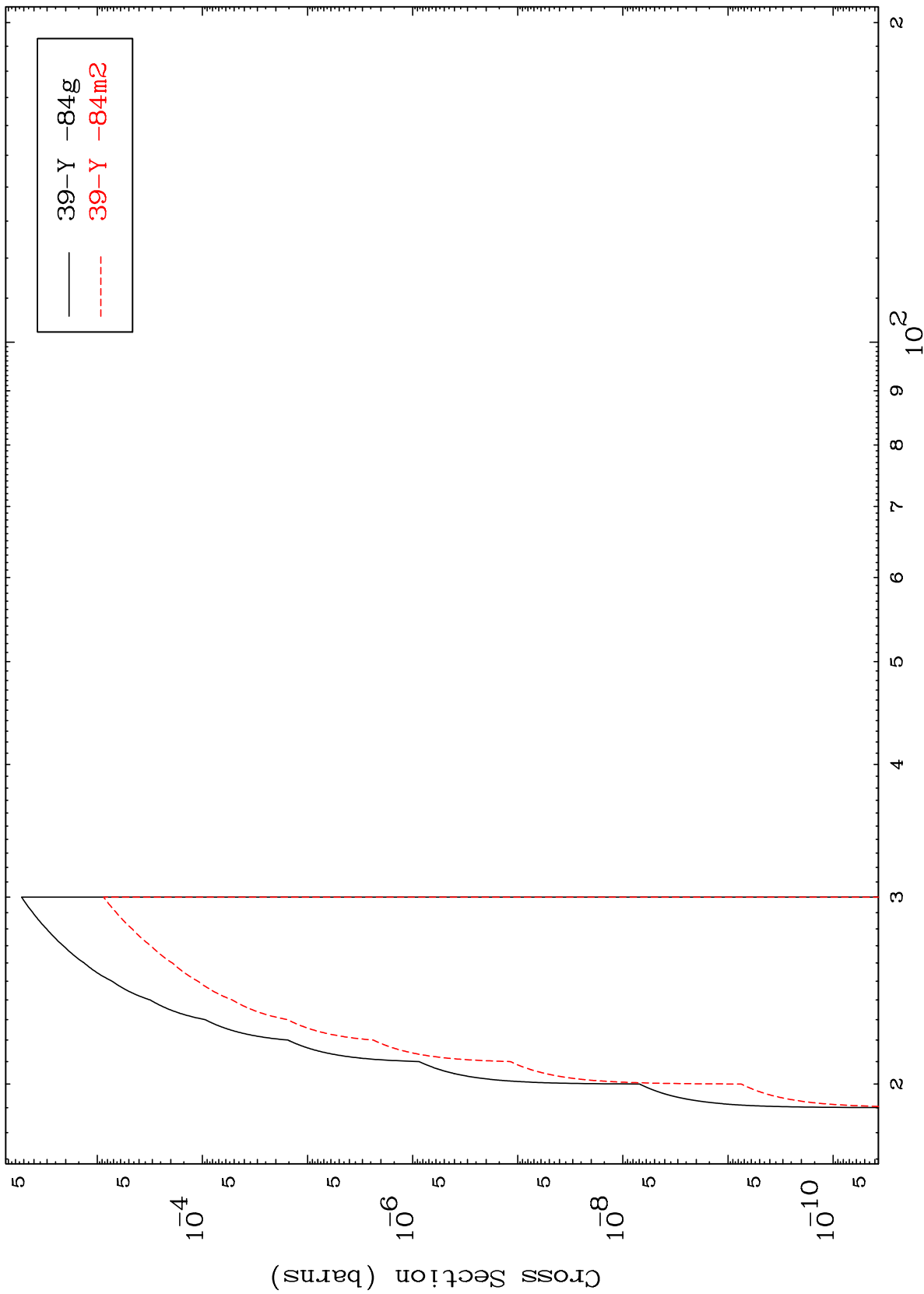


66

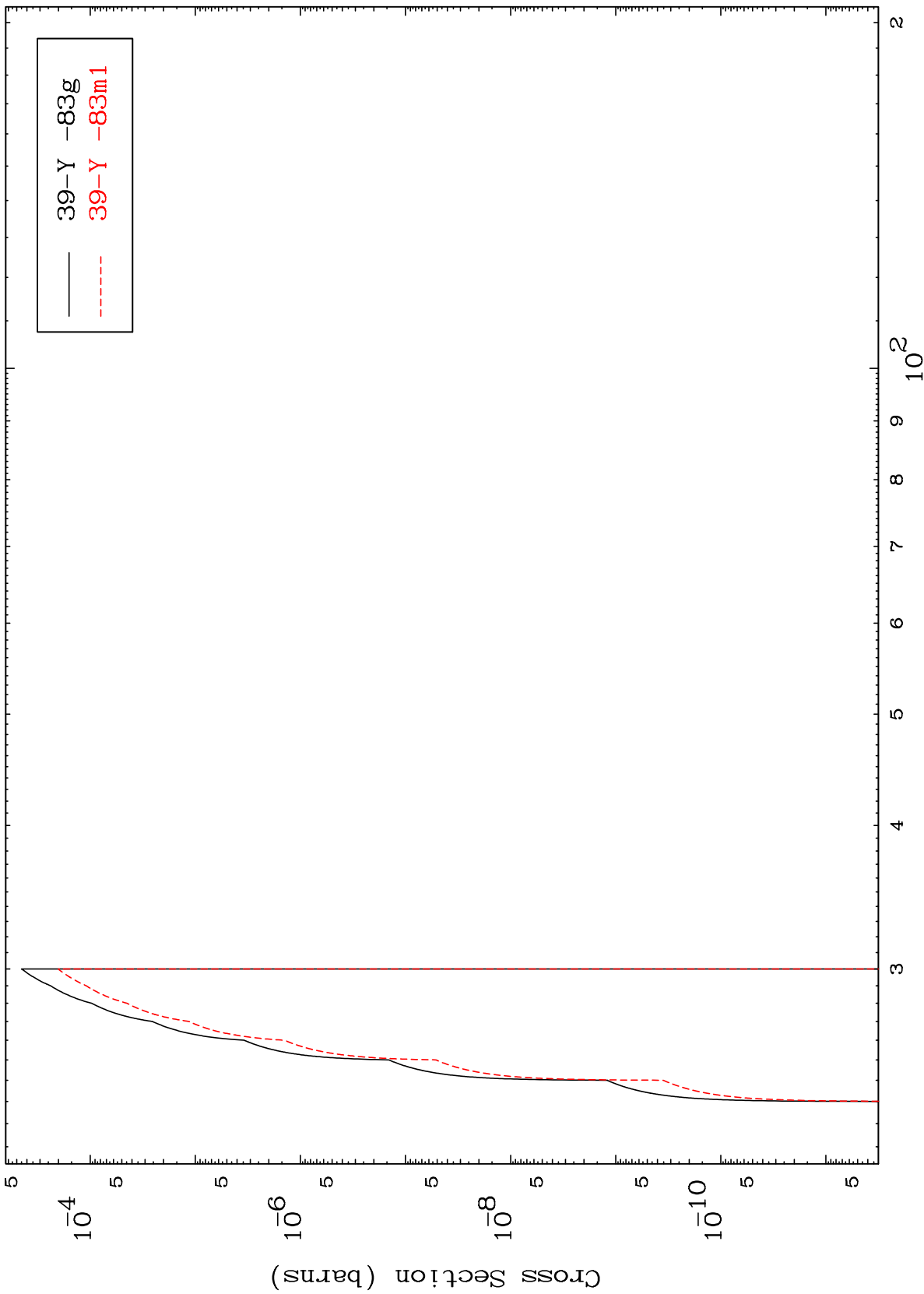
Incident Energy (MeV)

40-Zr-86

(n,n') d
Radionuclide Production Cross Section



Radionuclide Production Cross Section



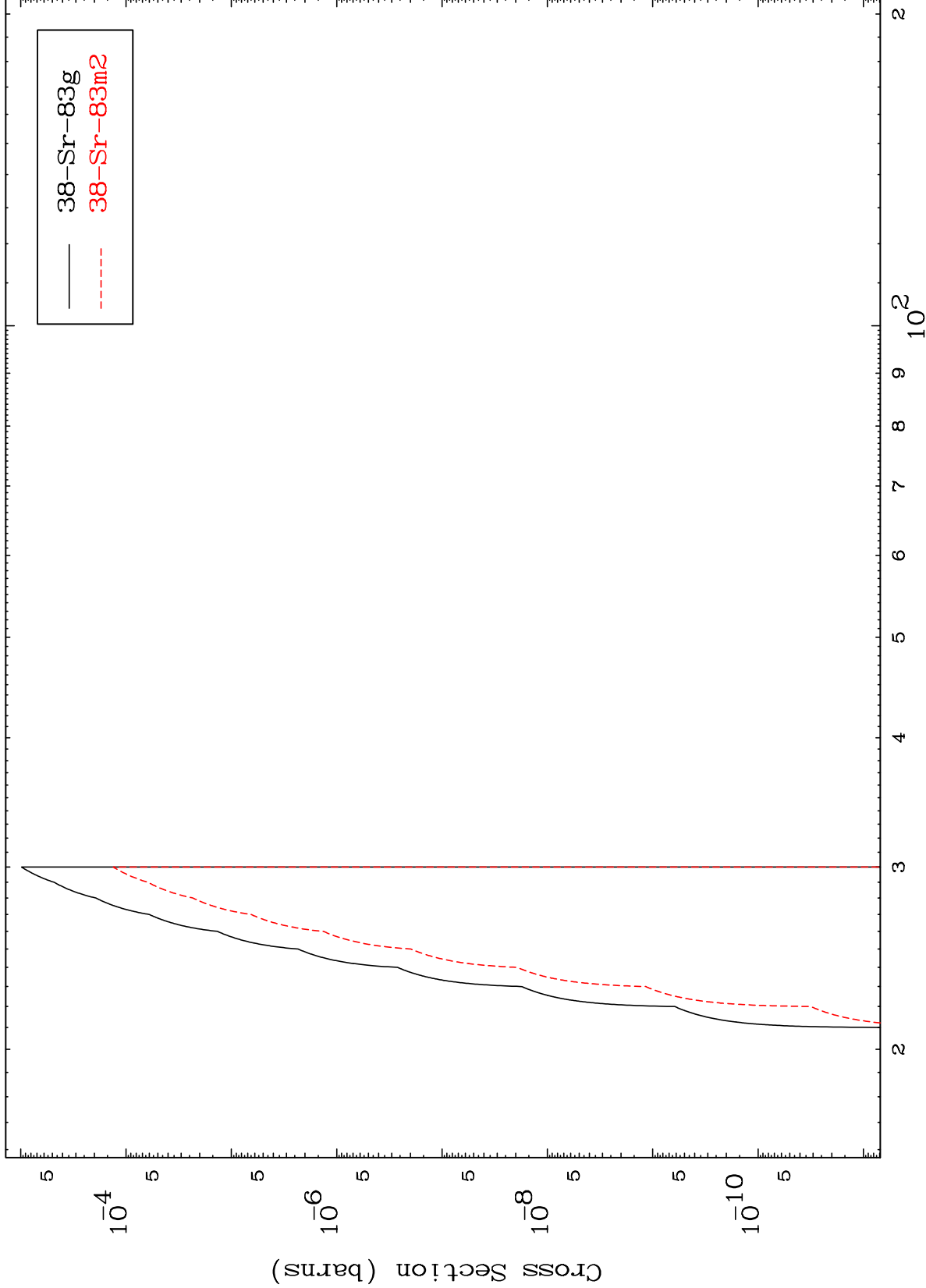
39-Y -83g
39-Y -83m1

MAT 4013

(n,n') He-3

40-Zr-86

Radionuclide Production Cross Section



69

Incident Energy (MeV)

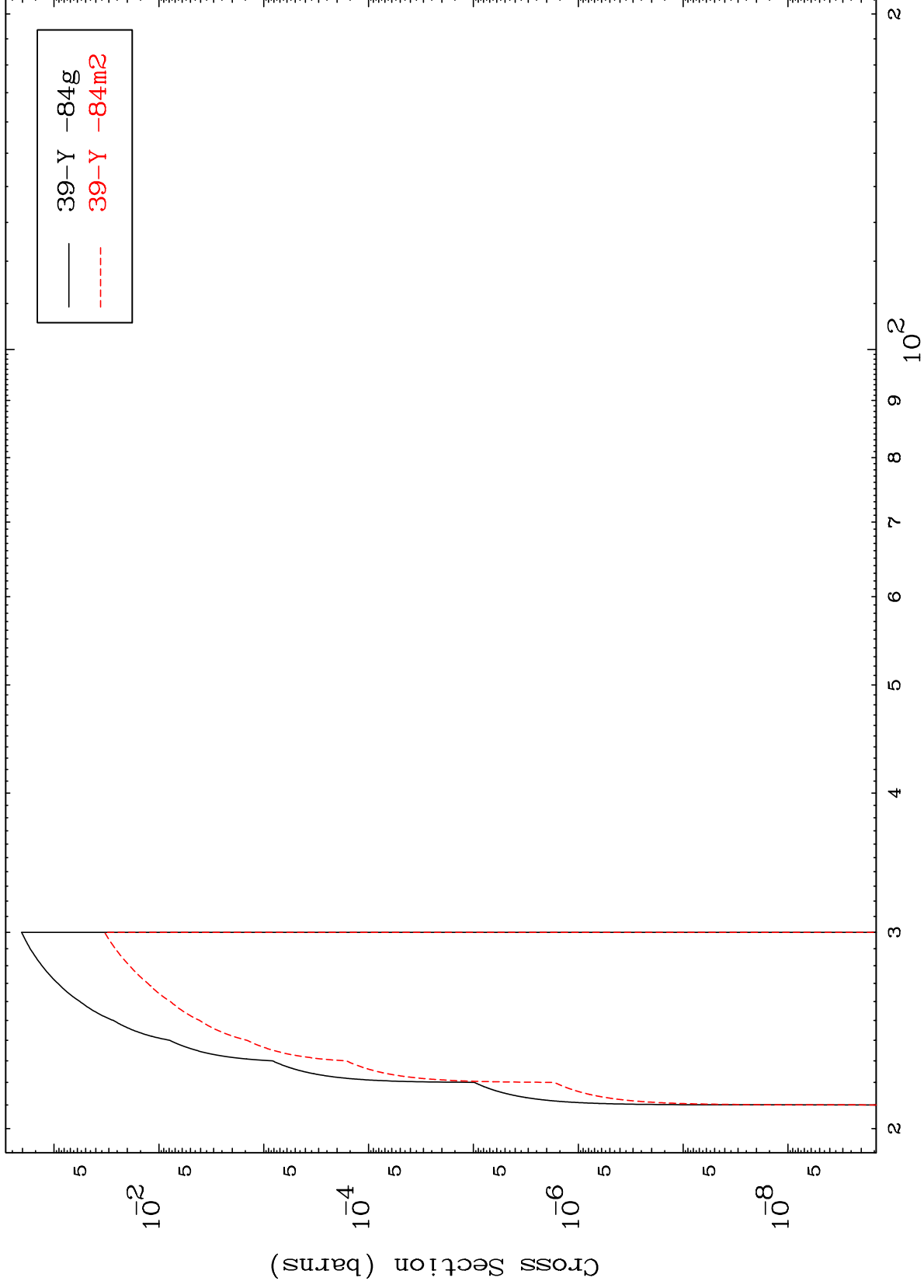
40-Zr-86

MAT 4013

(n,2n) p

40-Zr-86

Radionuclide Production Cross Section



70

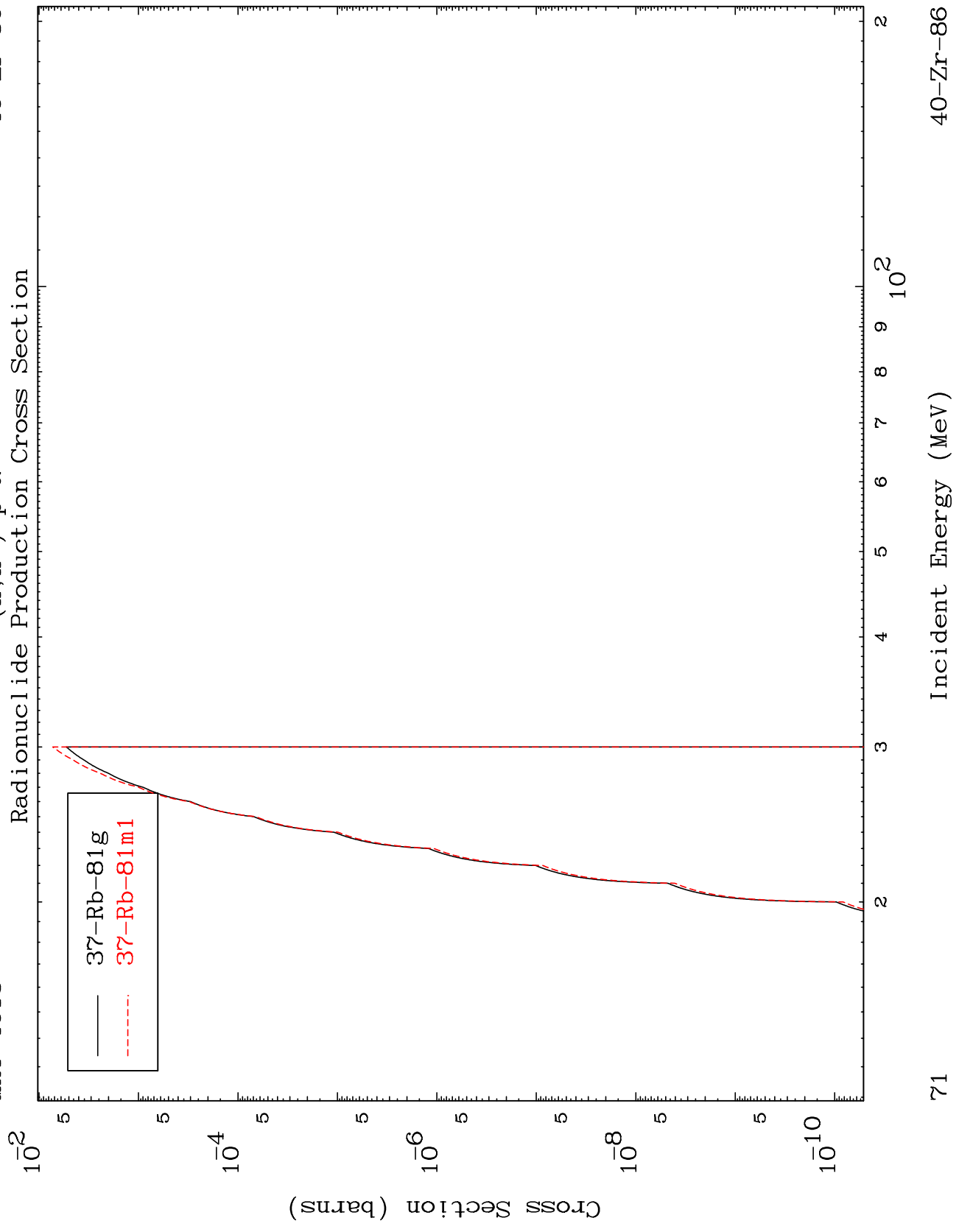
Incident Energy (MeV)

40-Zr-86

MAT 4013

(n,n') p α

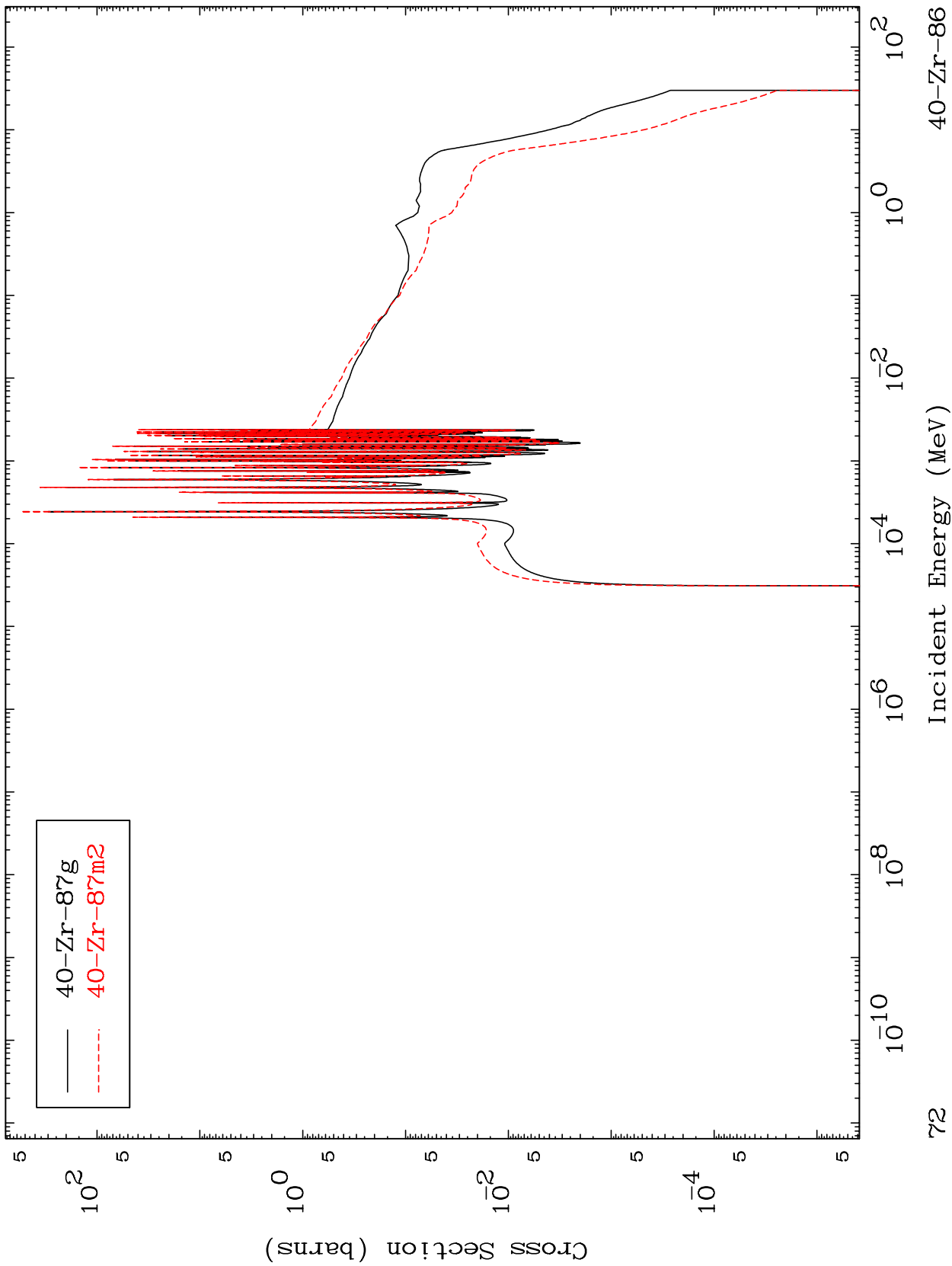
40-Zr-86



MAT 4013

40-Zr-86

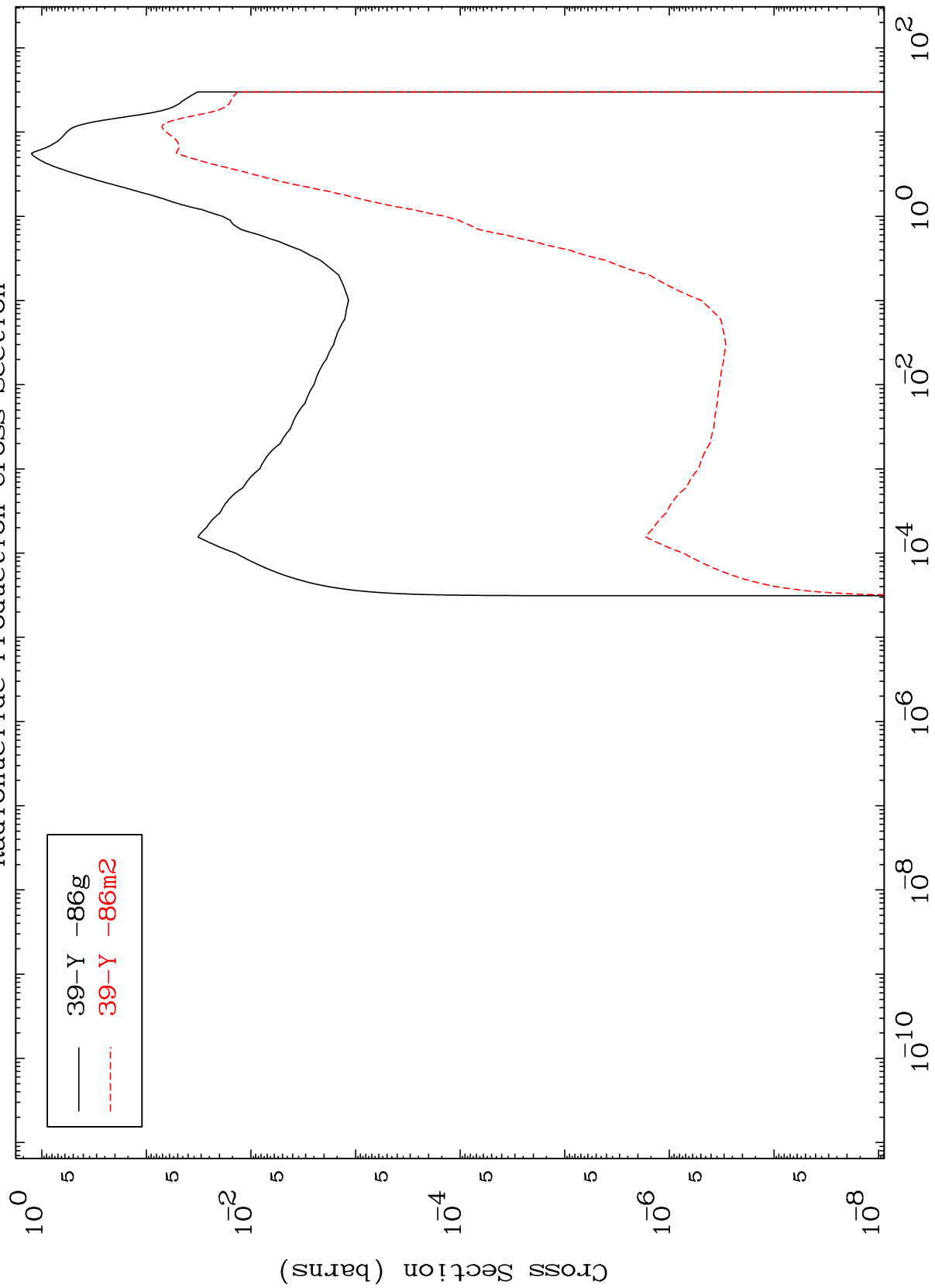
(n, γ)
Radionuclide Production Cross Section



MAT 4013

40-Zr-86

(n,p)
Radionuclide Production Cross Section



— 39-Y -86g
- - - 39-Y -86m2

40-Zr-86

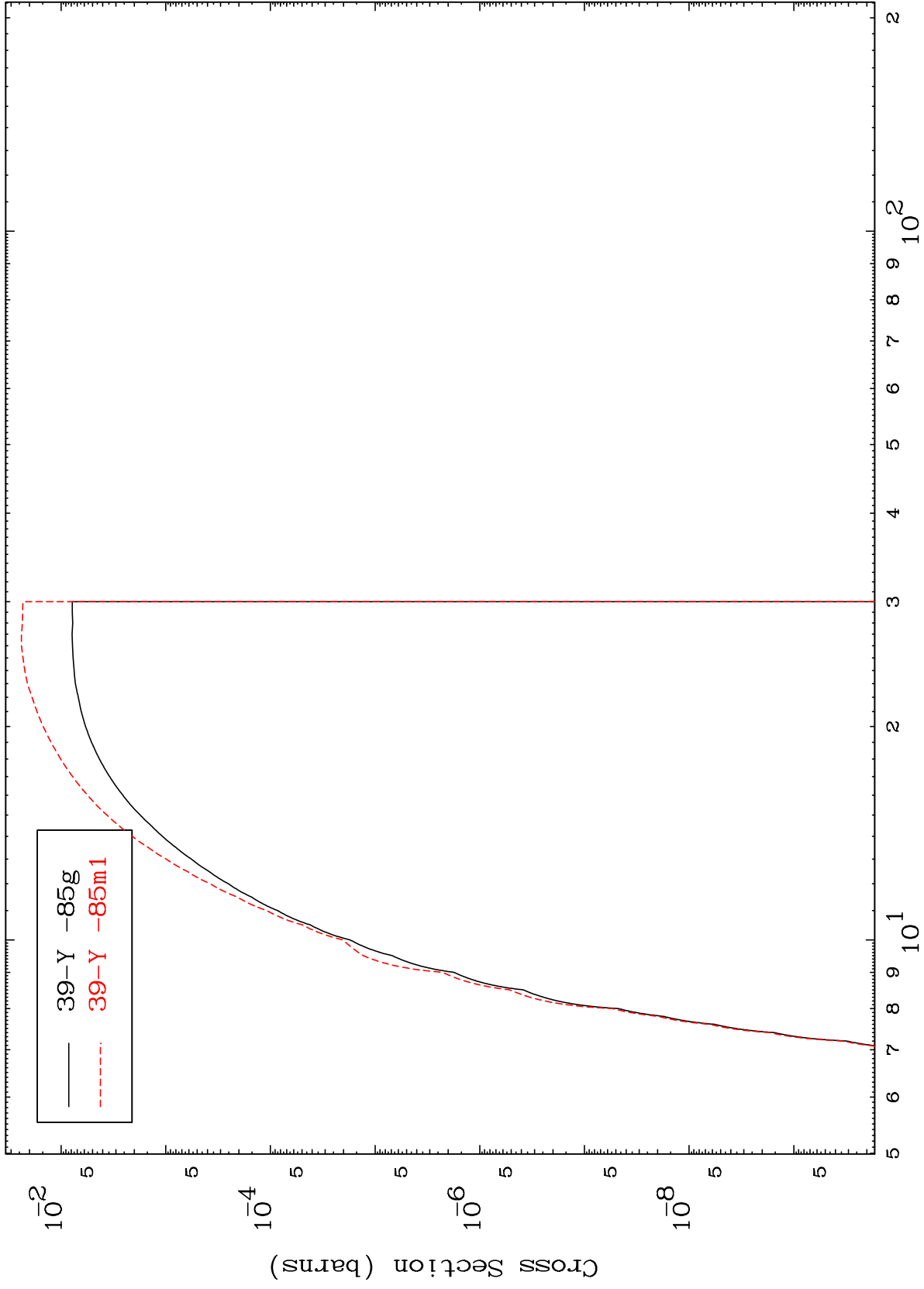
Incident Energy (MeV)

73

MAT 4013

40-Zr-86

(n,d)
Radionuclide Production Cross Section



74

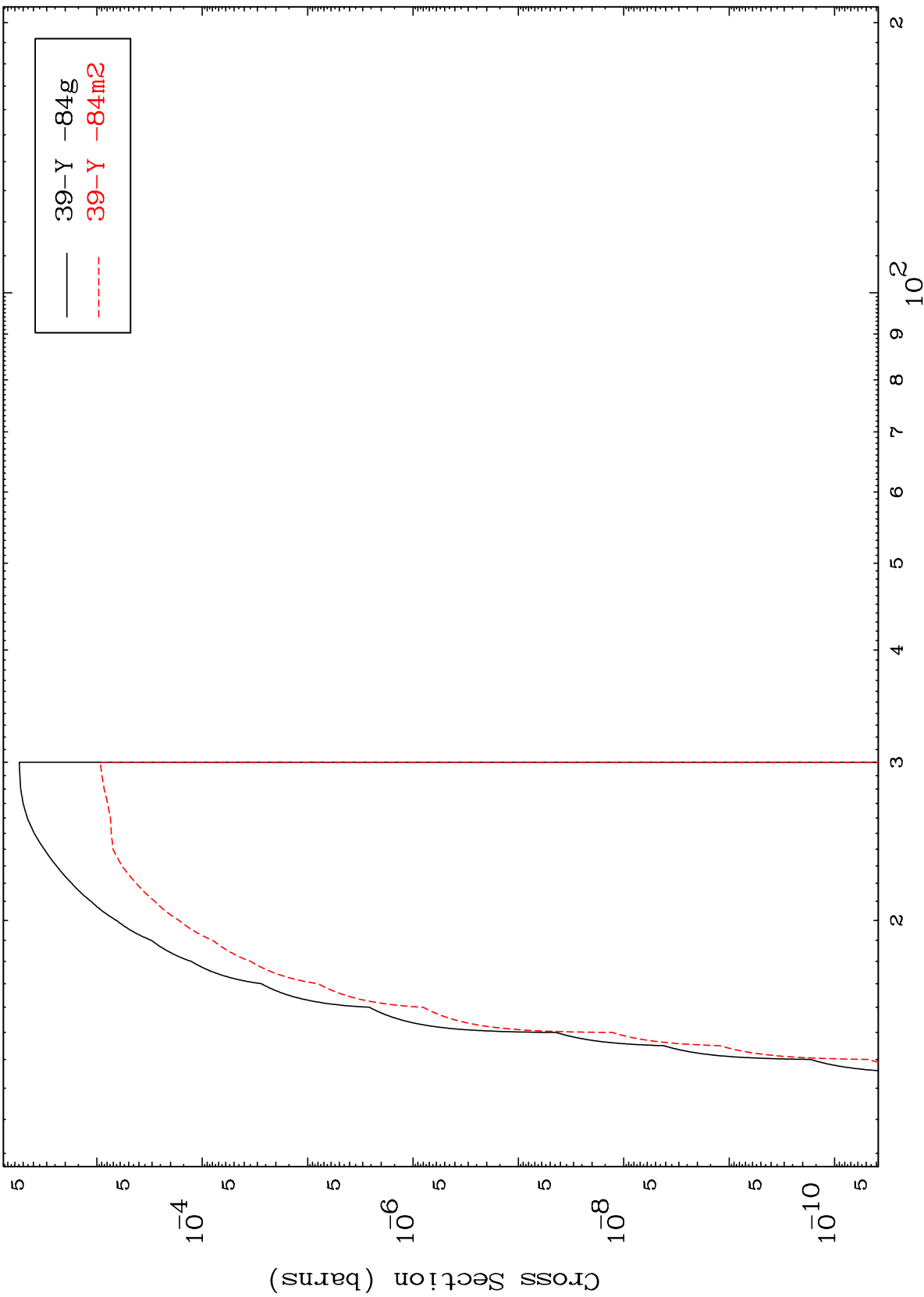
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

(n, t)
Radionuclide Production Cross Section



75

Incident Energy (MeV)

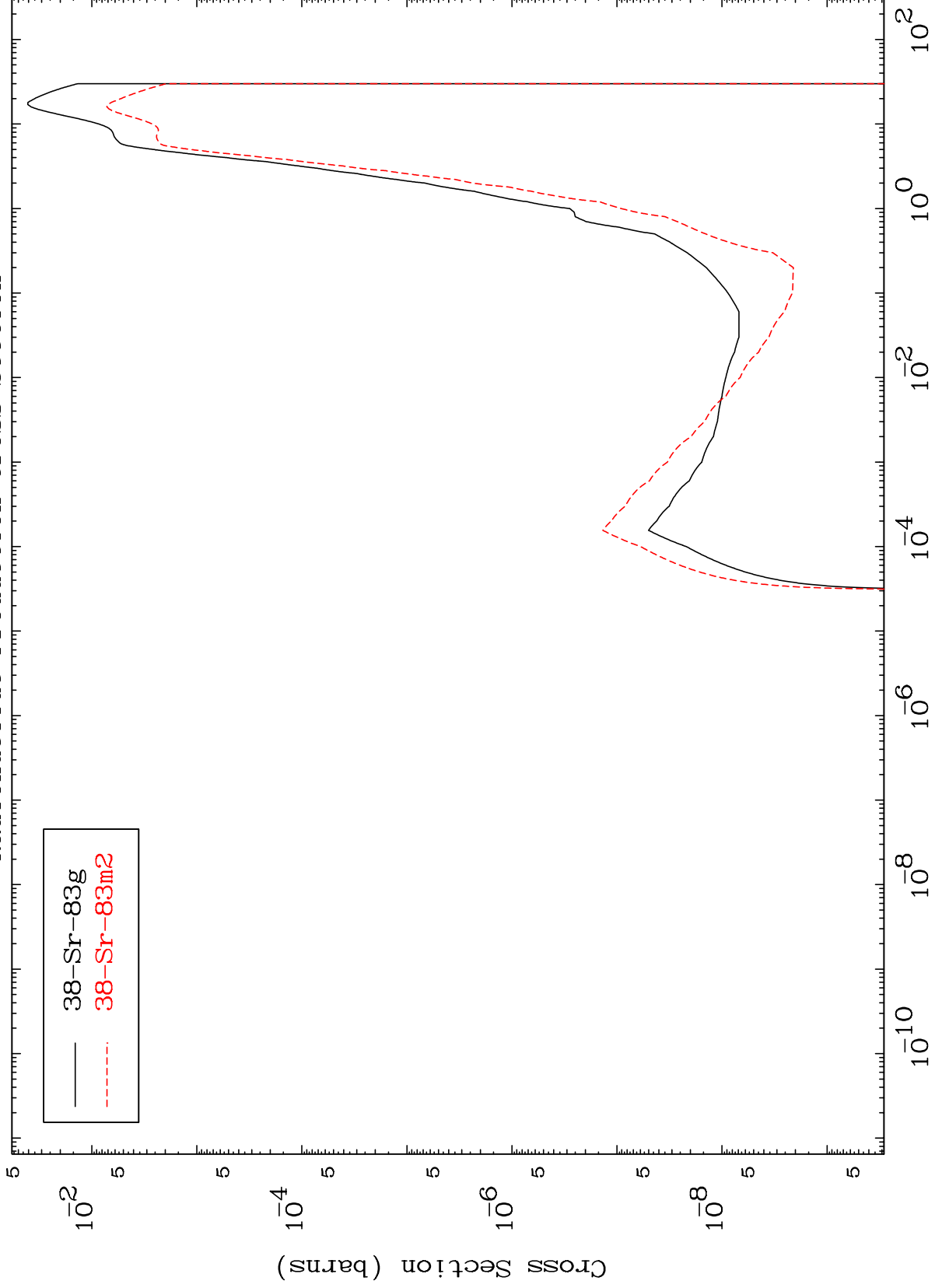
40-Zr-86

MAT 4013

(n, α)

40-Zr-86

Radionuclide Production Cross Section



— 38-Sr-83g
- - - 38-Sr-83m2

76

Incident Energy (MeV)

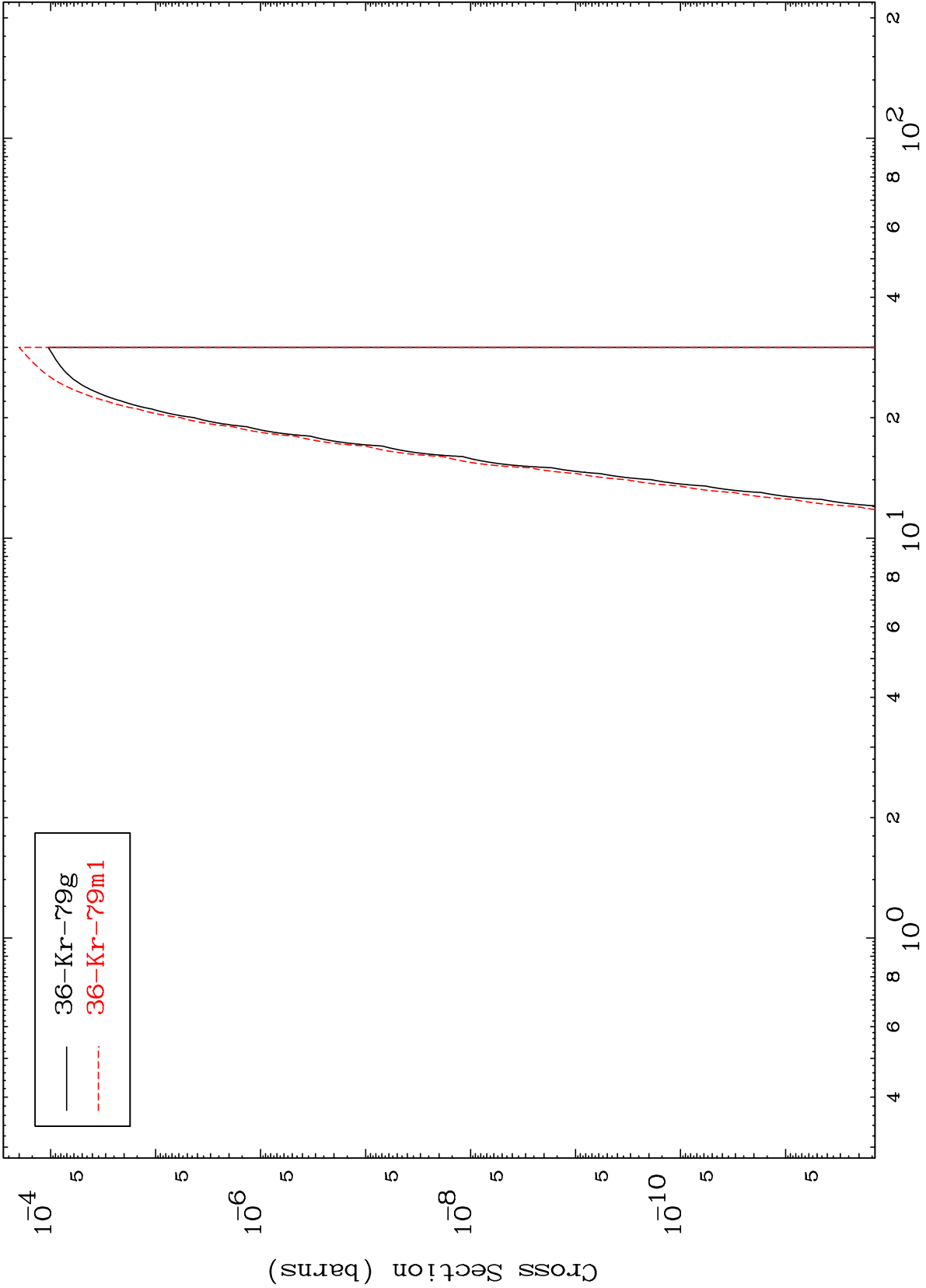
40-Zr-86

MAT 4013

(n,2α)

40-Zr-86

Radionuclide Production Cross Section



36-Kr-79g
36-Kr-79m1

77

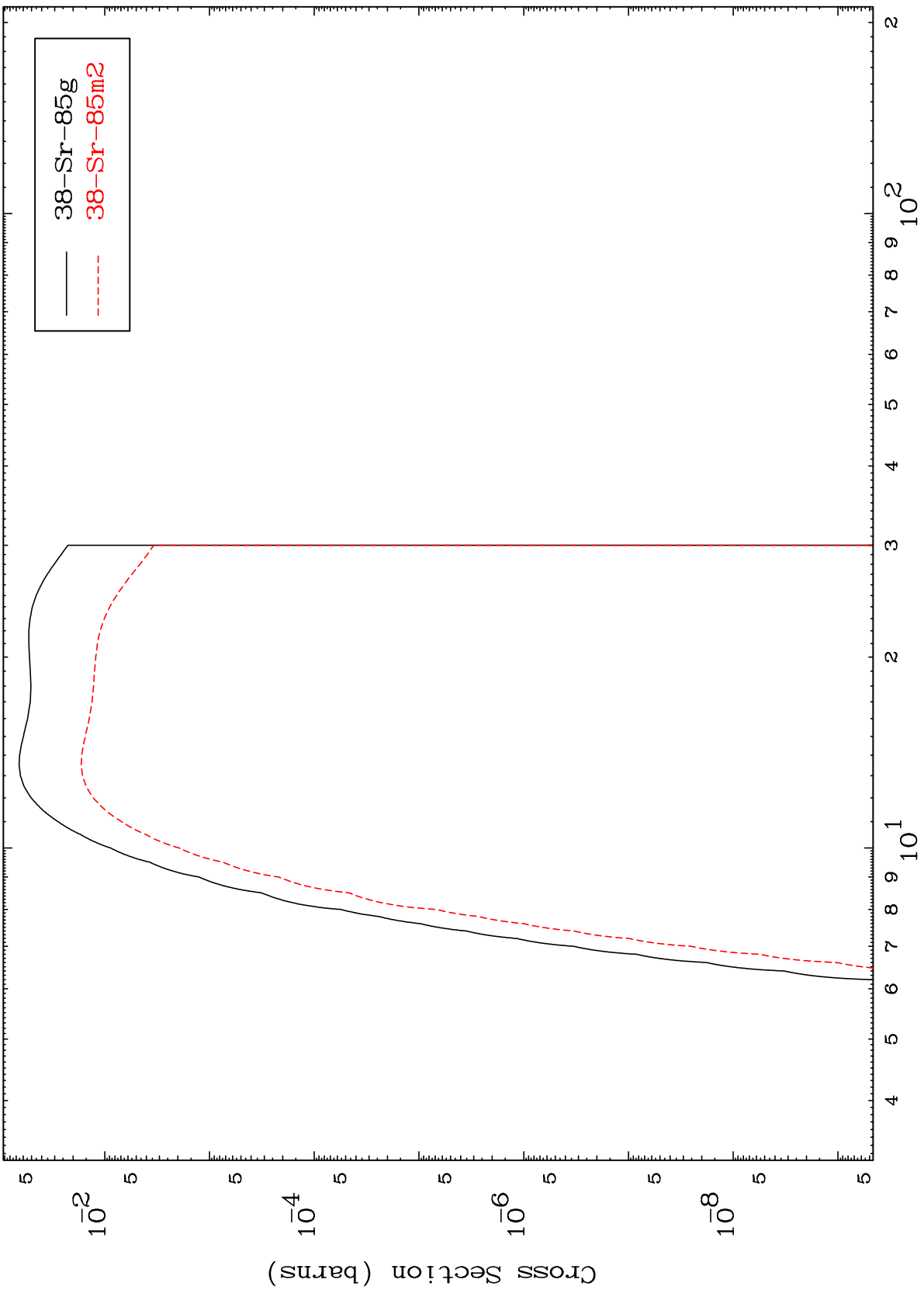
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

Radionuclide Production Cross Section
(n,2p)



78

Incident Energy (MeV)

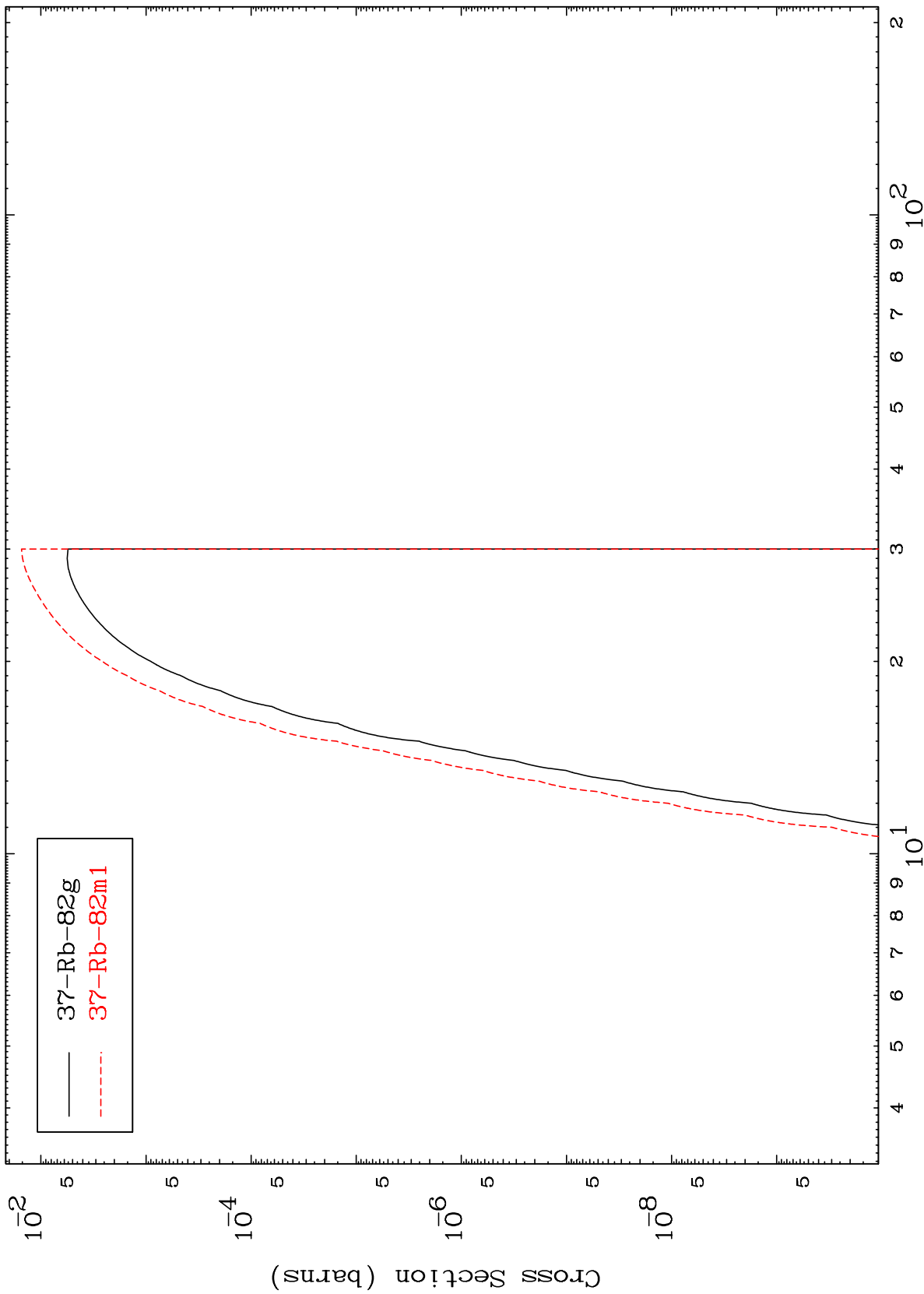
40-Zr-86

MAT 4013

(n,p) α

40-Zr-86

Radionuclide Production Cross Section



— 37-Rb-82g
- - - 37-Rb-82m1

79

Incident Energy (MeV)

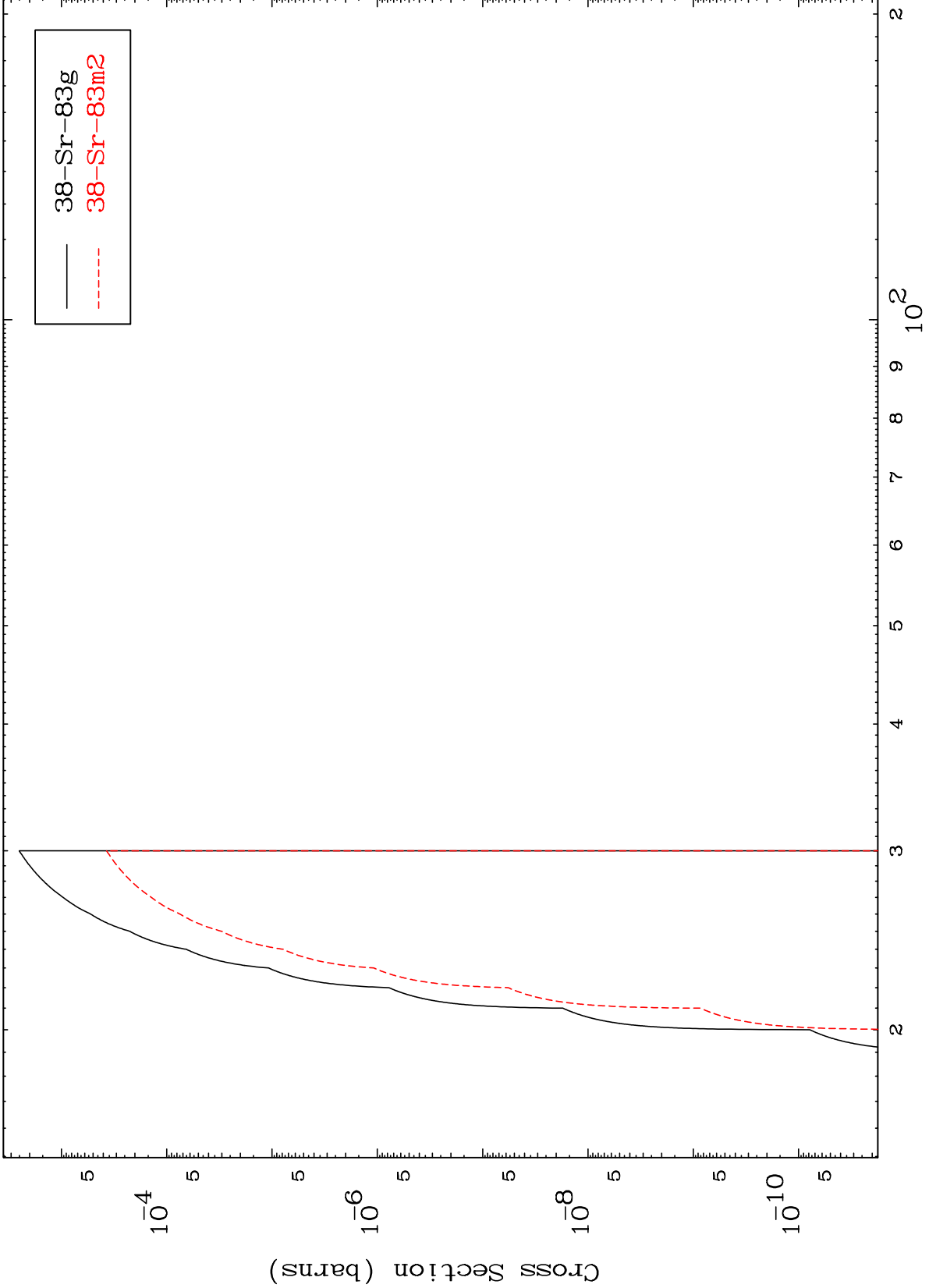
40-Zr-86

MAT 4013

(n,p) t

40-Zr-86

Radionuclide Production Cross Section



38-Sr-83g
38-Sr-83m2

80

Incident Energy (MeV)

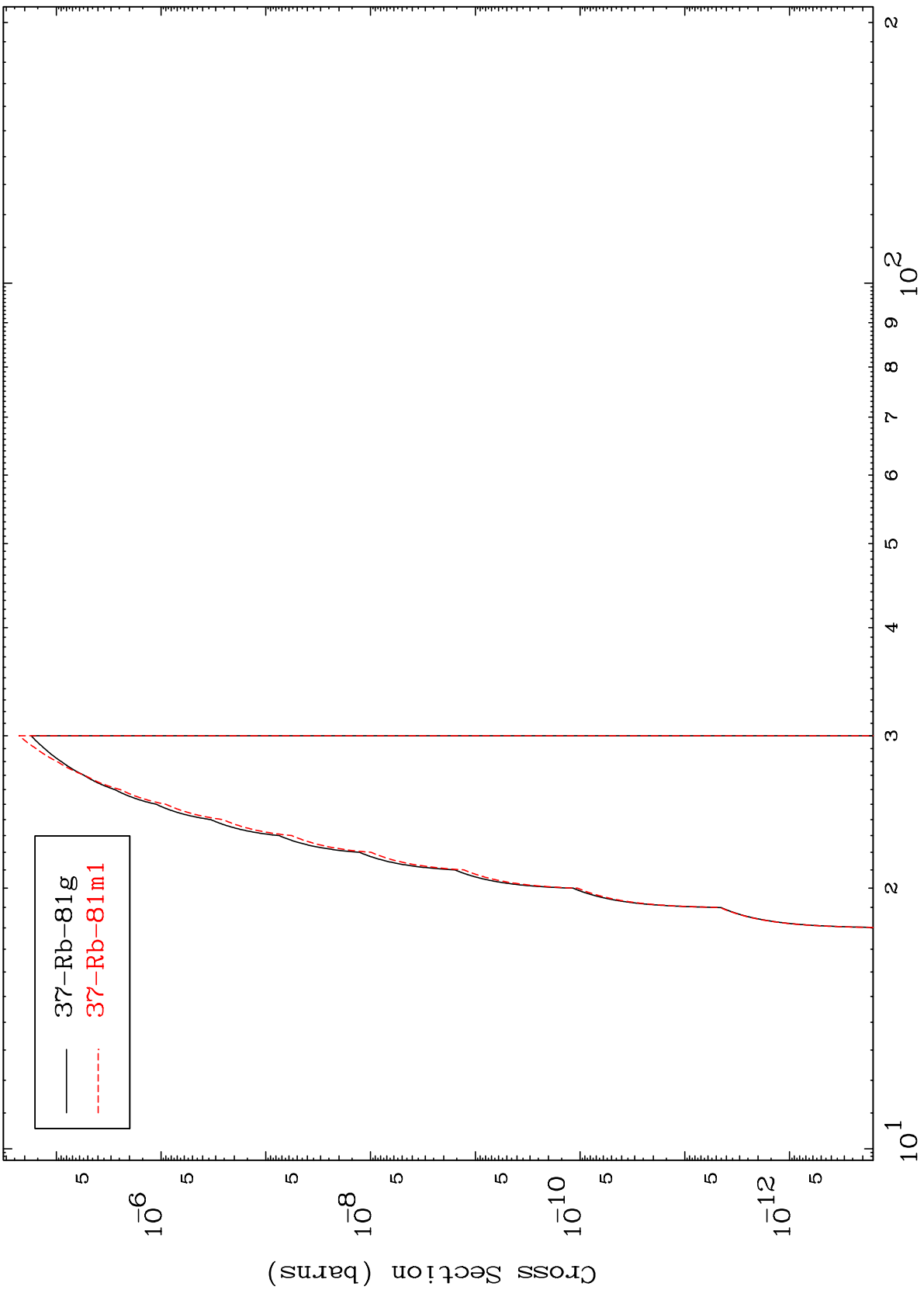
40-Zr-86

MAT 4013

(n,d) α

40-Zr-86

Radionuclide Production Cross Section



81

Incident Energy (MeV)

40-Zr-86