

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

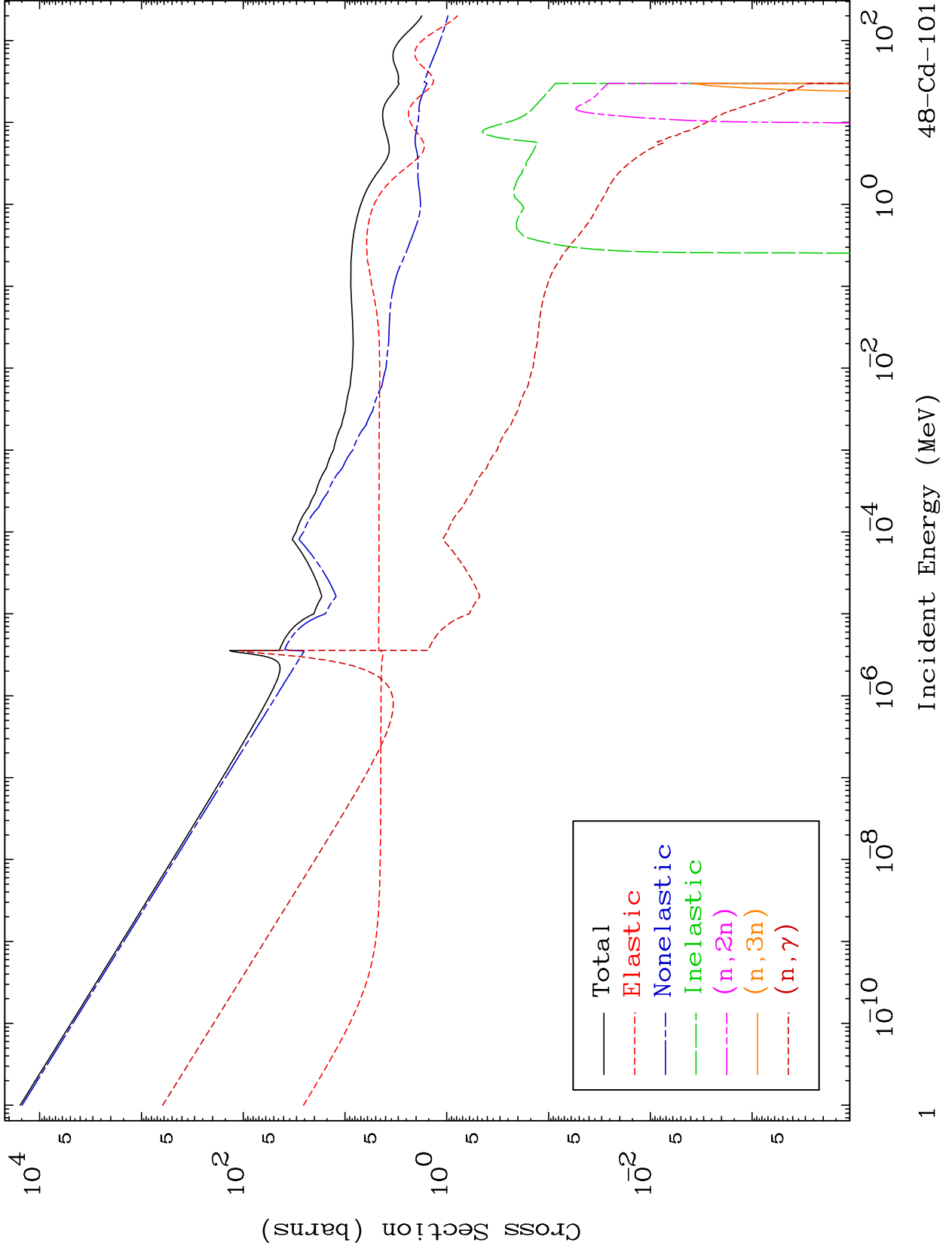
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4810

Neutron Major
293 Kelvin Cross Sections

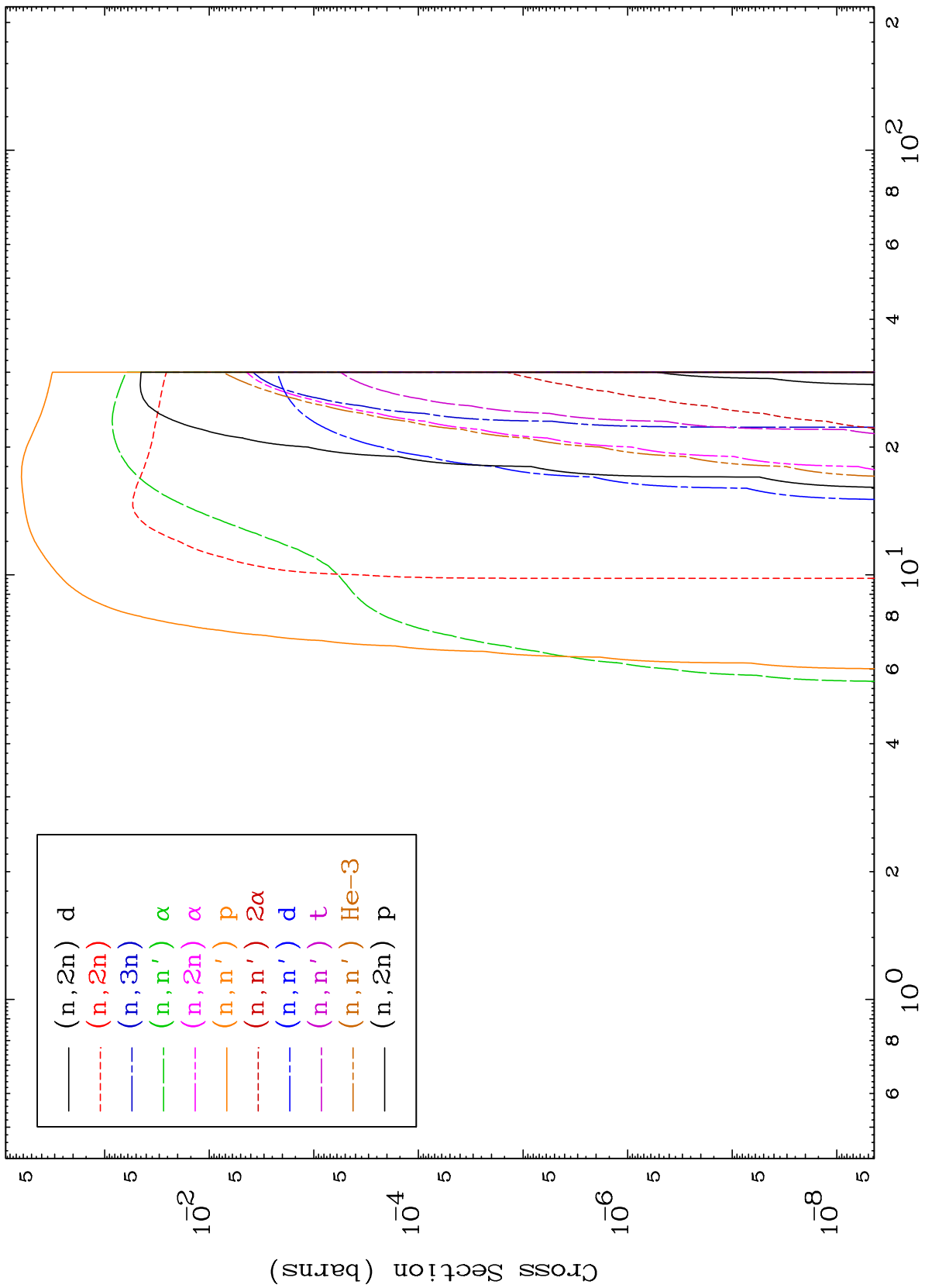
48-Cd-101



MAT 4810

Neutron Absorption
293 Kelvin Cross Sections

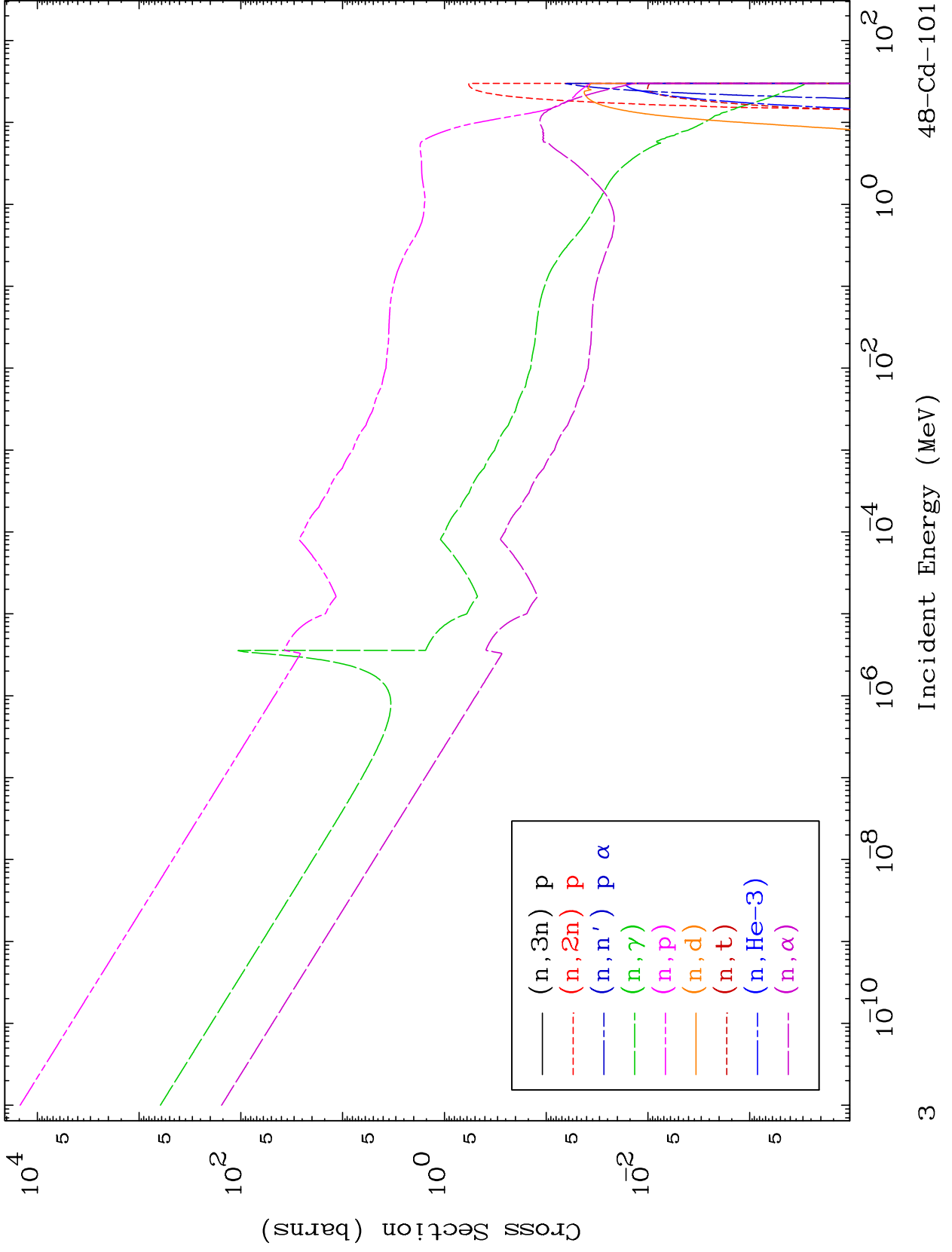
48-Cd-101



MAT 4810

Neutron Absorption
293 Kelvin Cross Sections

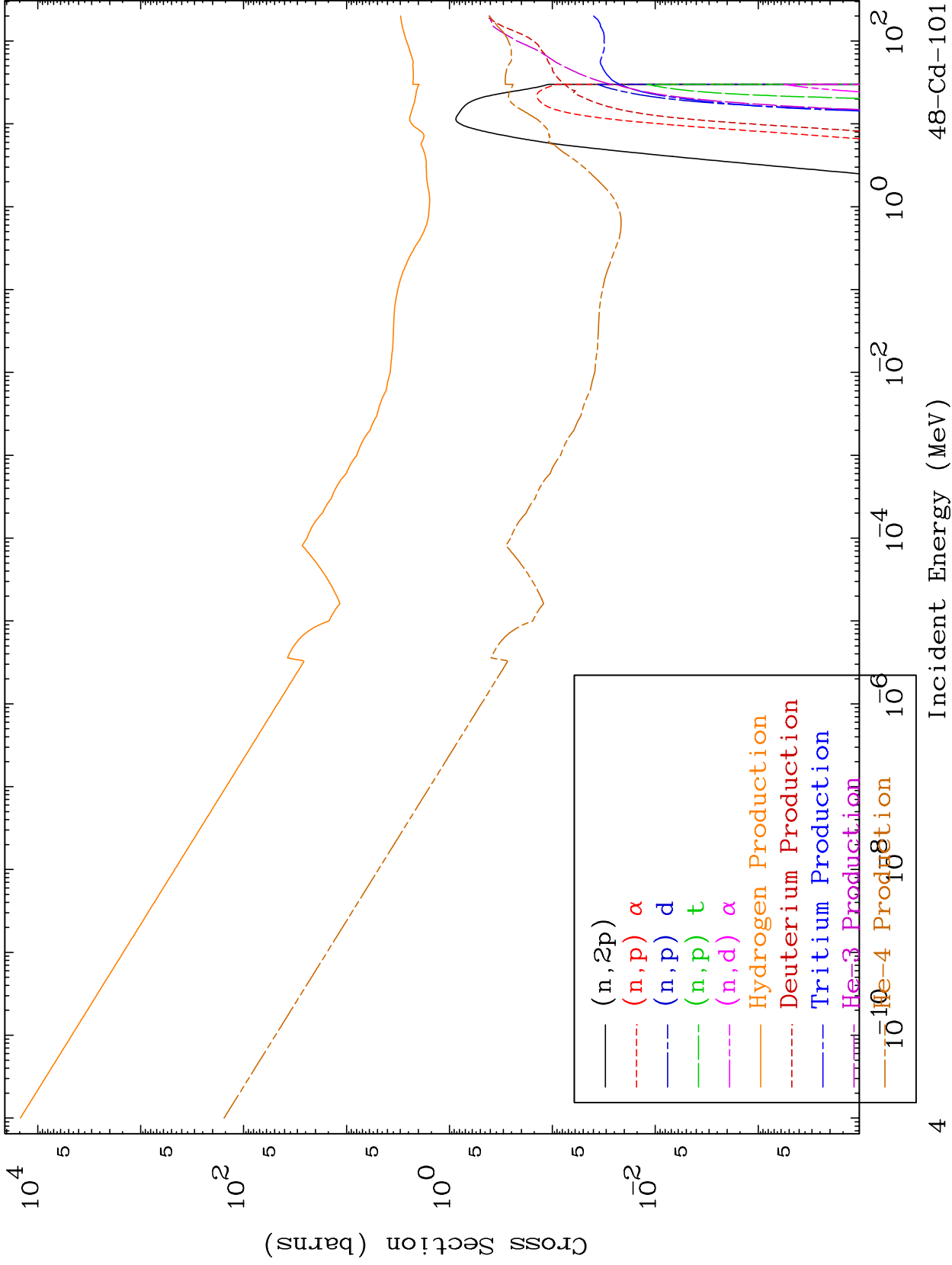
48-Cd-101



MAT 4810

Neutron Absorption
293 Kelvin Cross Sections

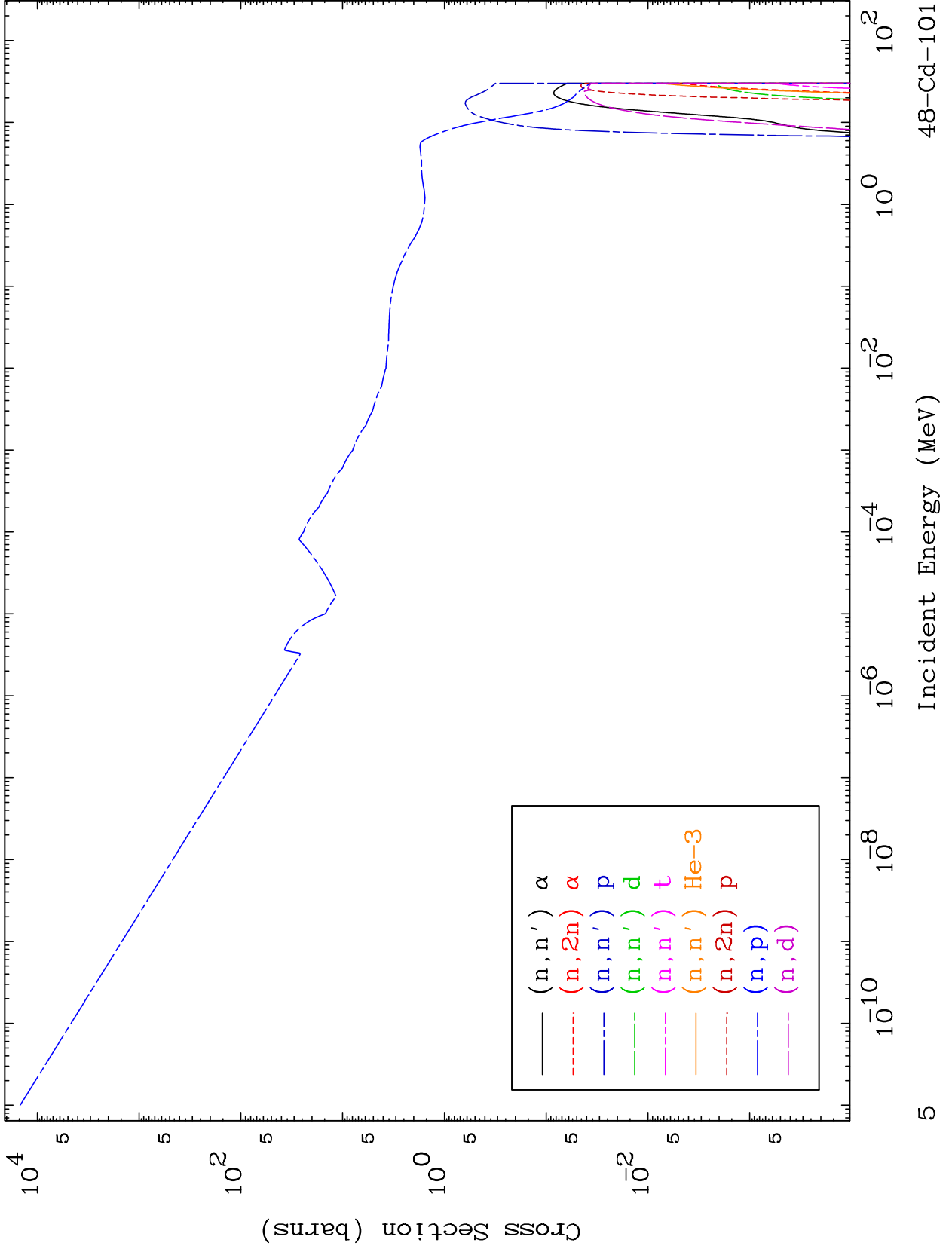
48-Cd-101



MAT 4810

Charged Particle
293 Kelvin Cross Sections

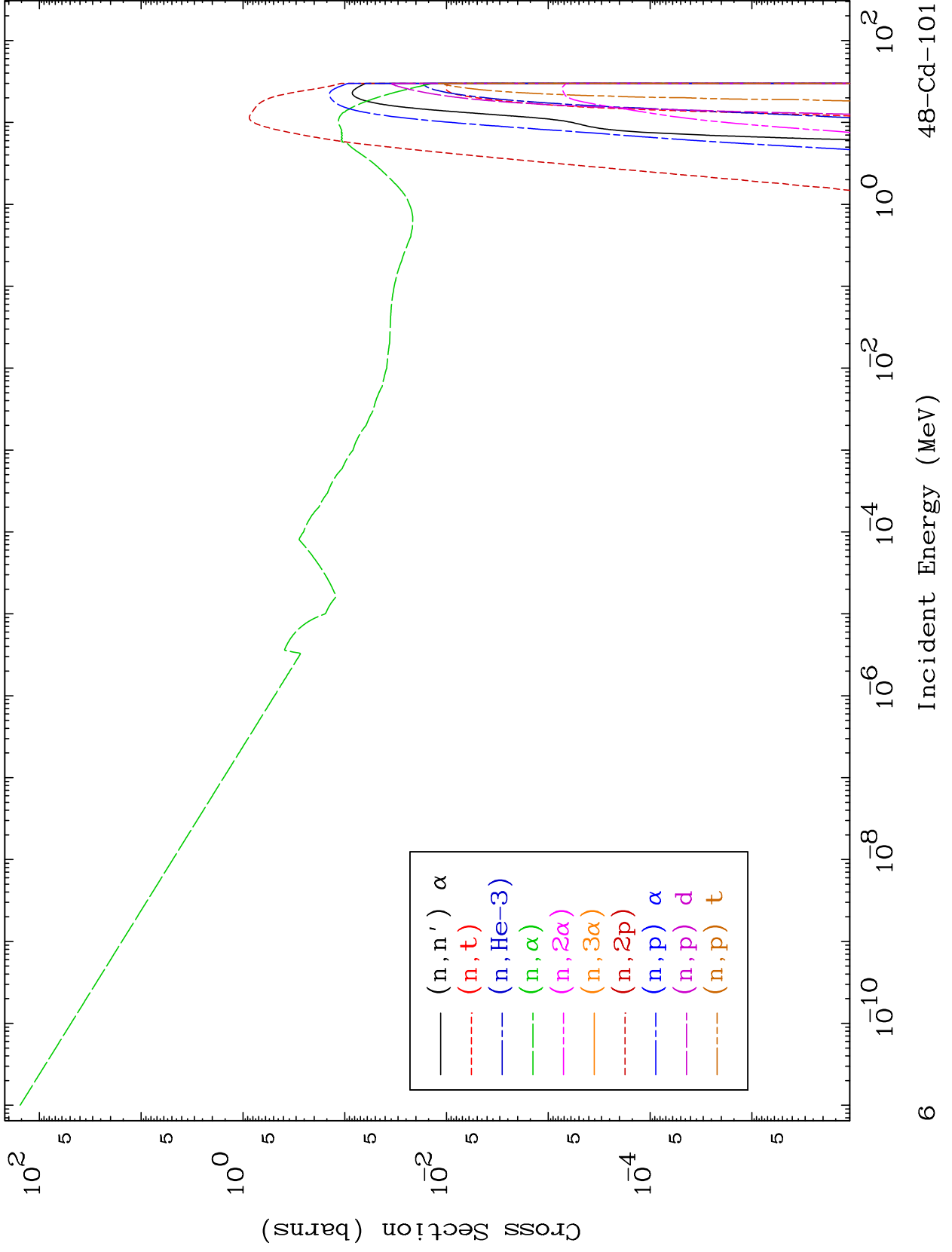
48-Cd-101



MAT 4810

Charged Particle
293 Kelvin Cross Sections

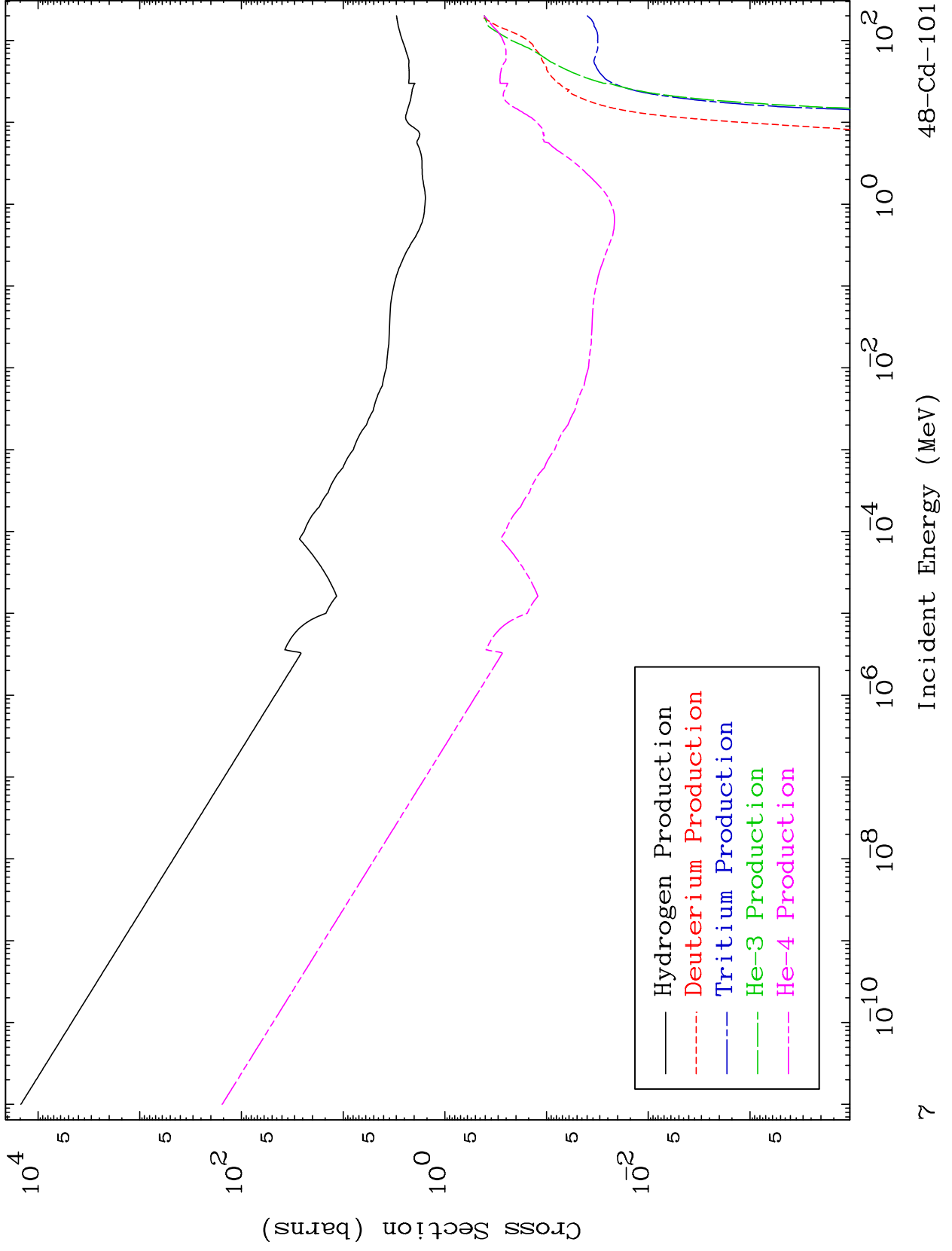
48-Cd-101



MAT 4810

Particle Production
293 Kelvin Cross Sections

48-Cd-101

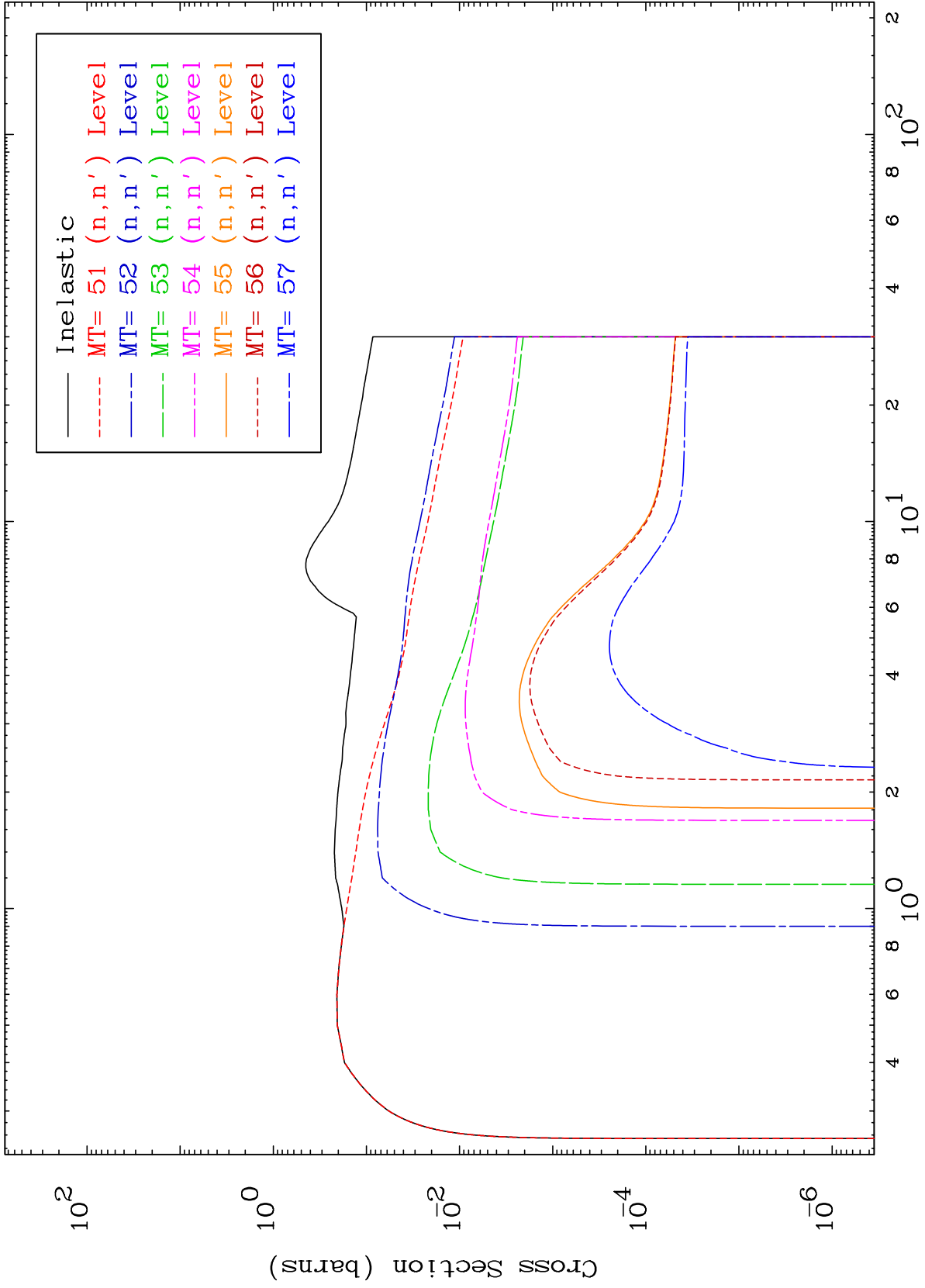


MAT 4810

(n,n') Levels

48-Cd-101

293 Kelvin Cross Sections



8

Incident Energy (MeV)

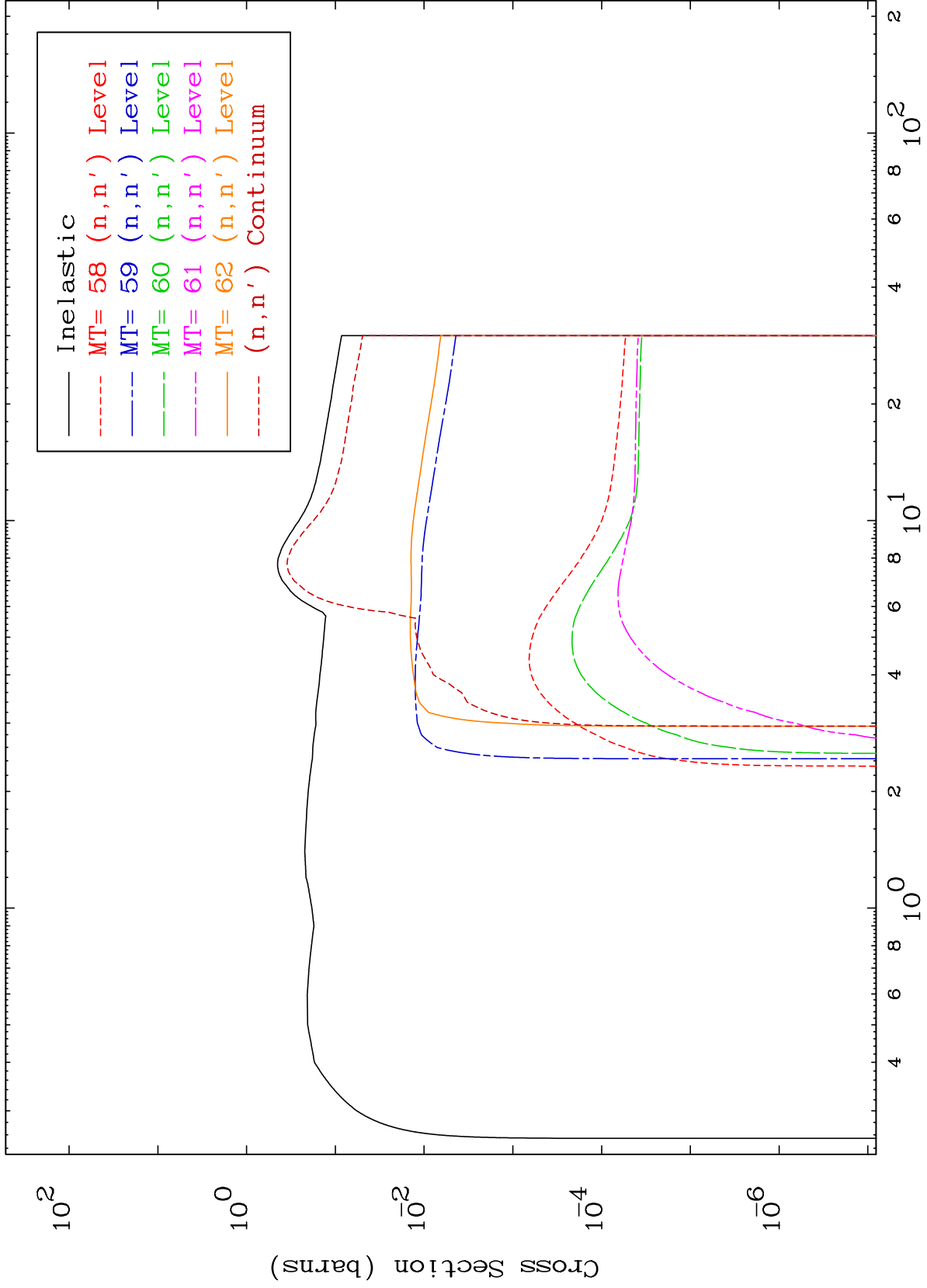
48-Cd-101

MAT 4810

(n,n') Levels

48-Cd-101

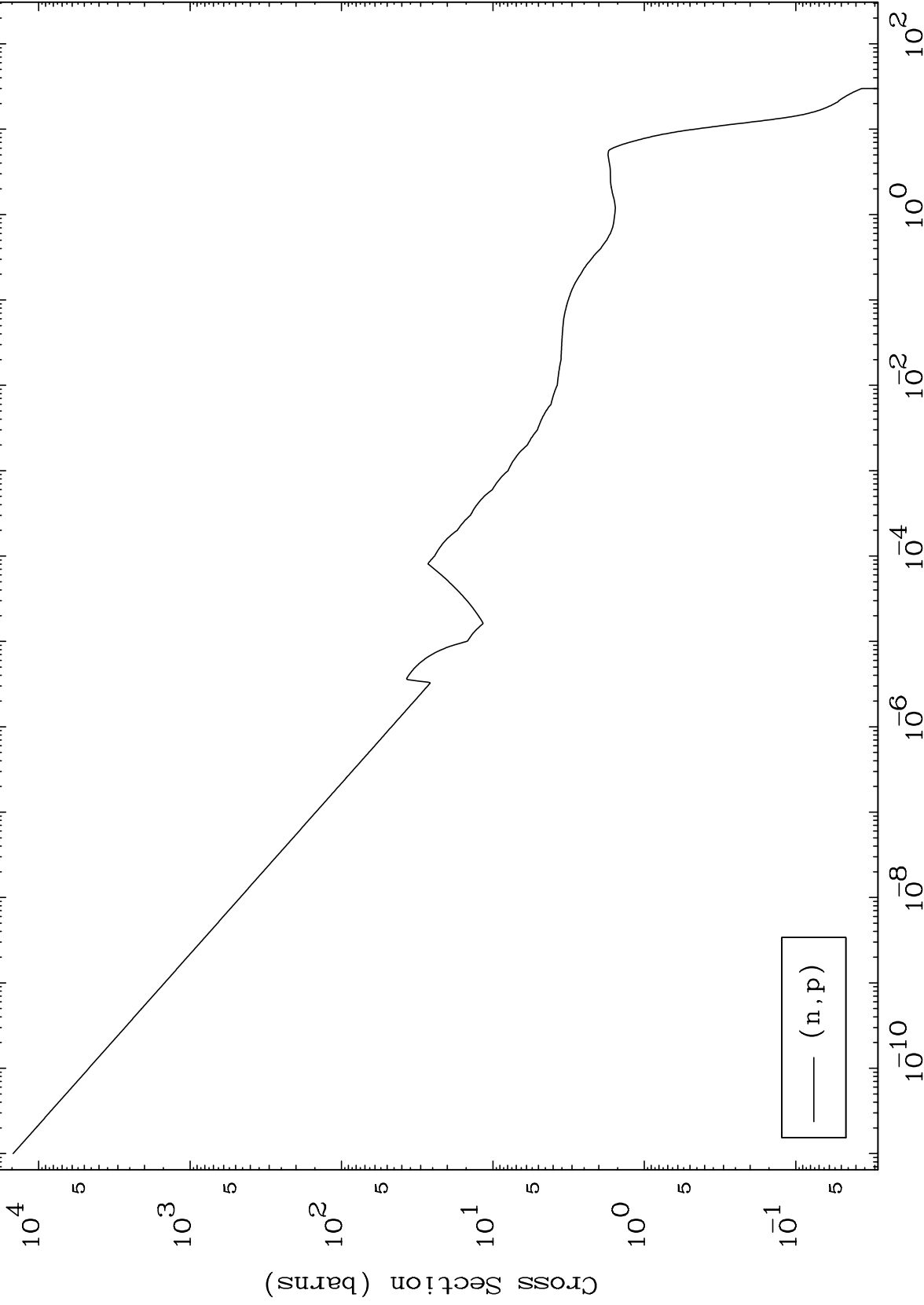
293 Kelvin Cross Sections



MAT 4810

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-101



10

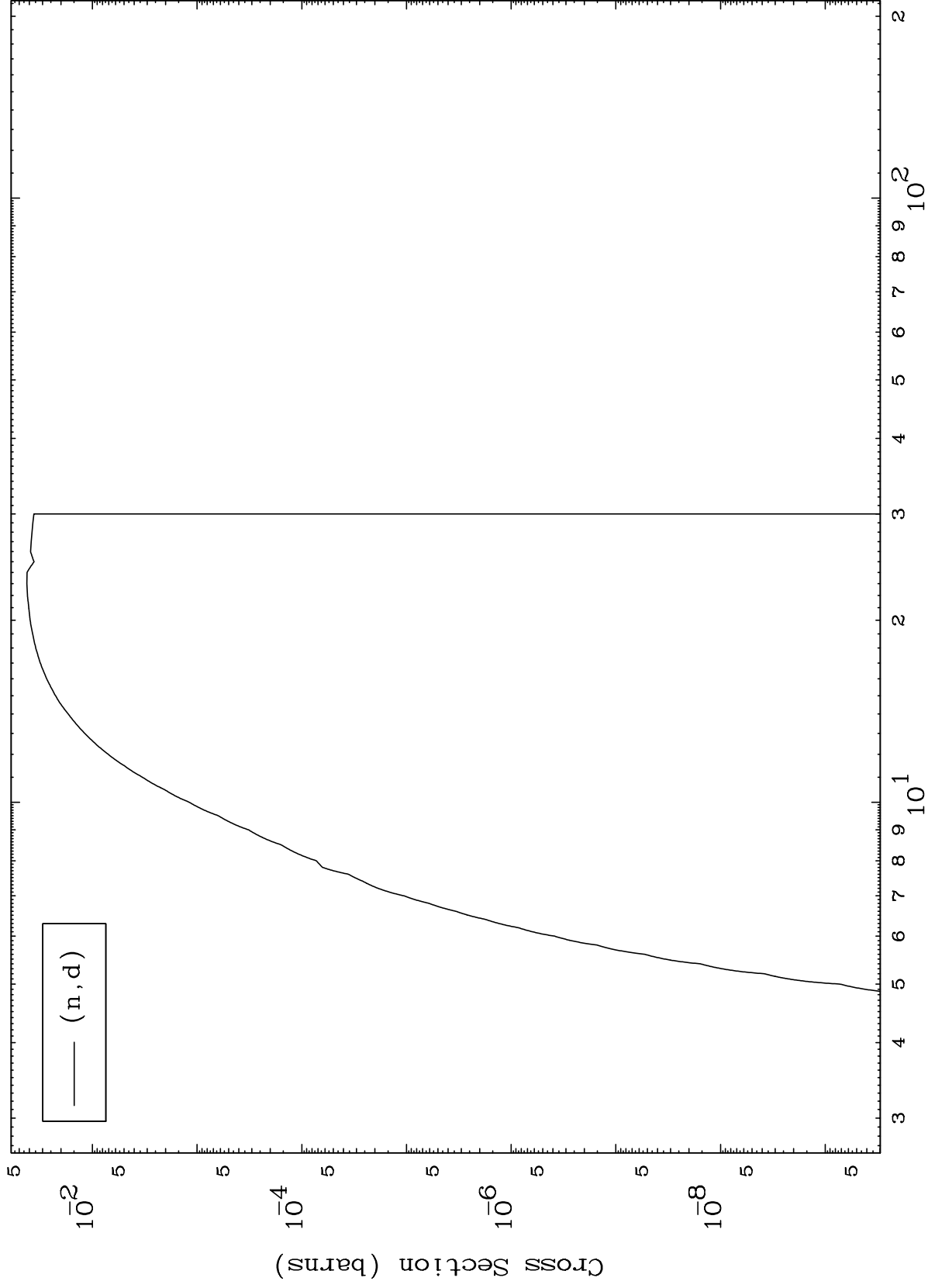
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-101



11

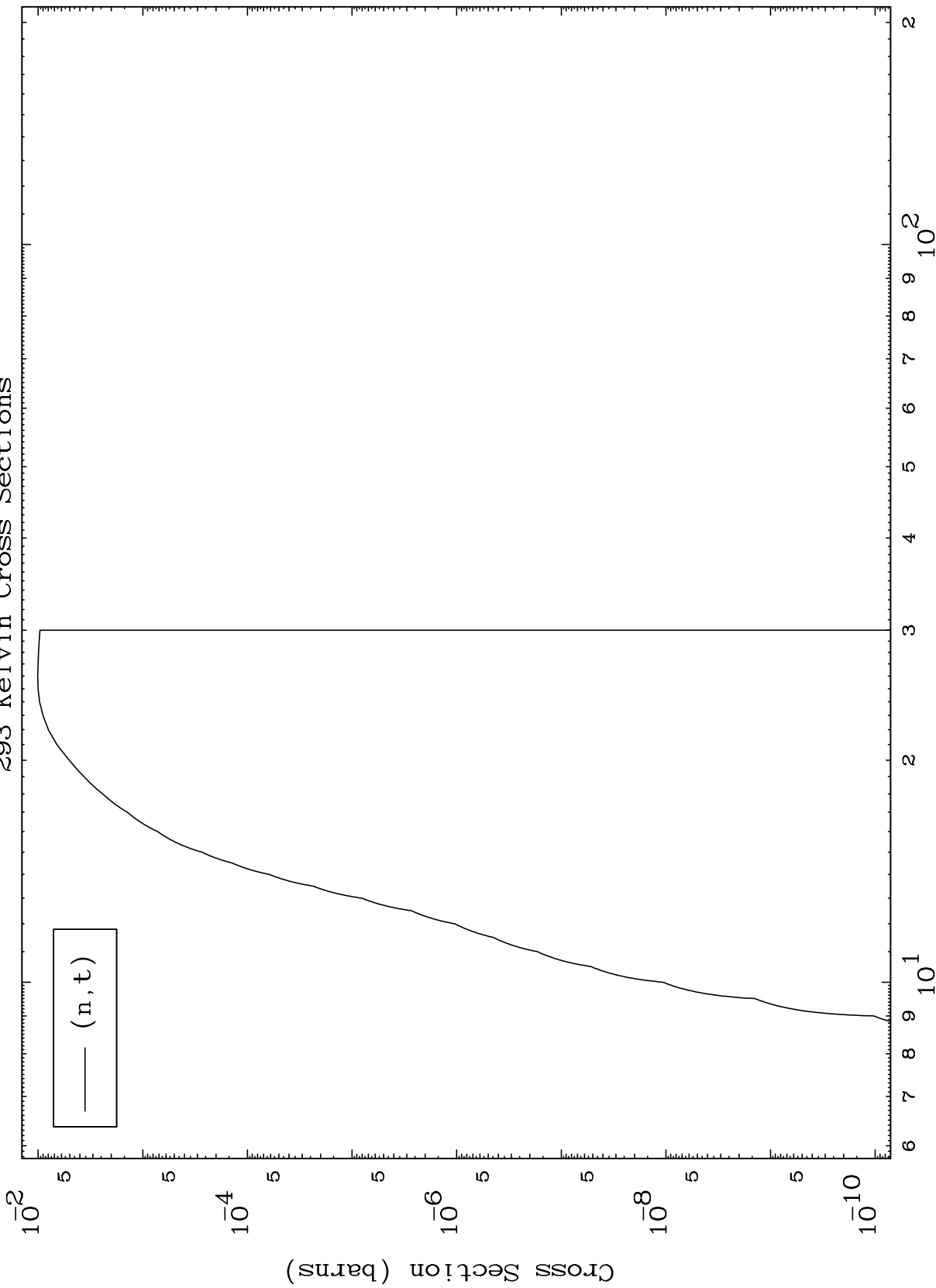
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

(n,t) Levels
293 Kelvin Cross Sections



12

48-Cd-101

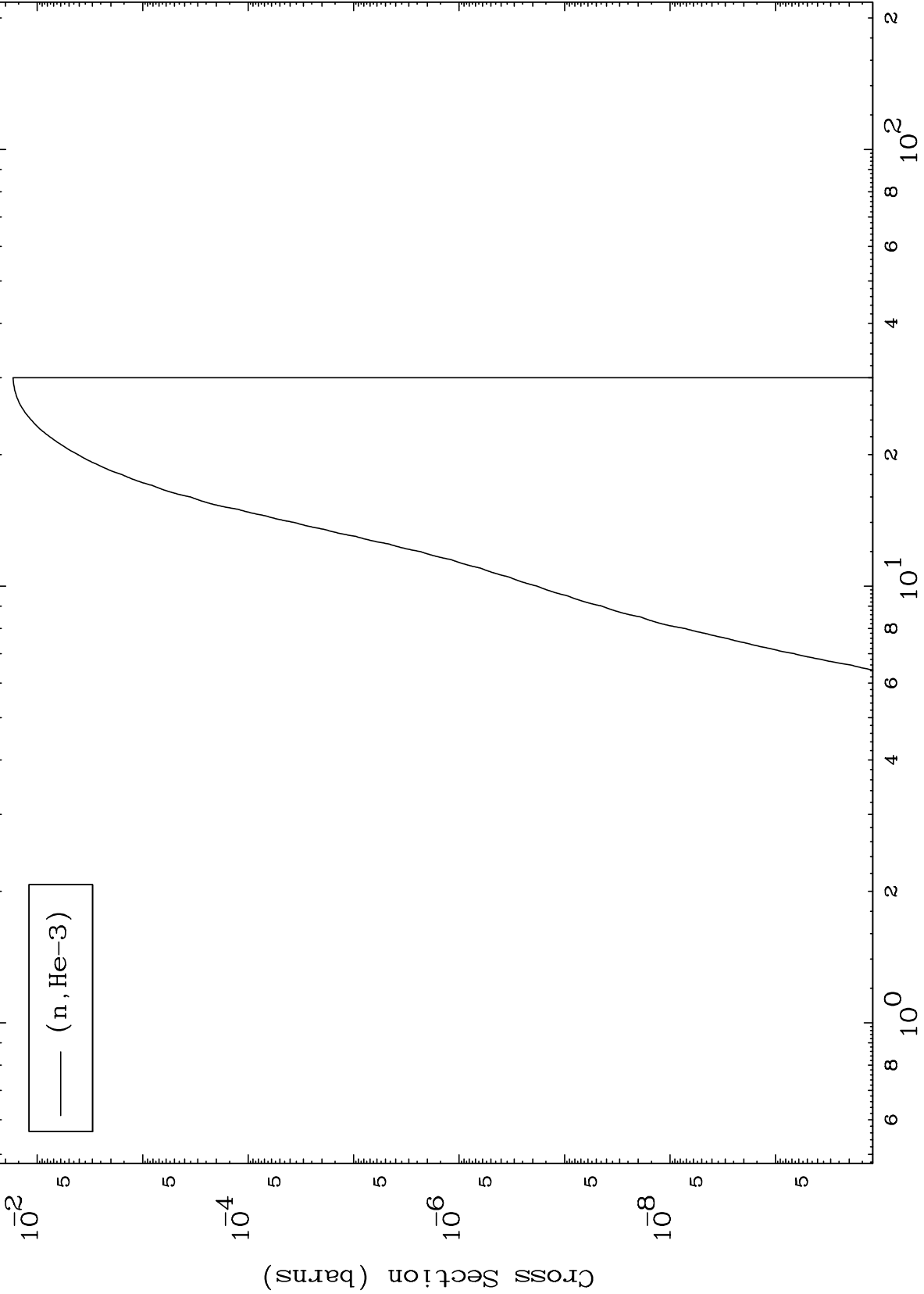
Incident Energy (MeV)

MAT 4810

(n,He3) Levels

48-Cd-101

293 Kelvin Cross Sections



13

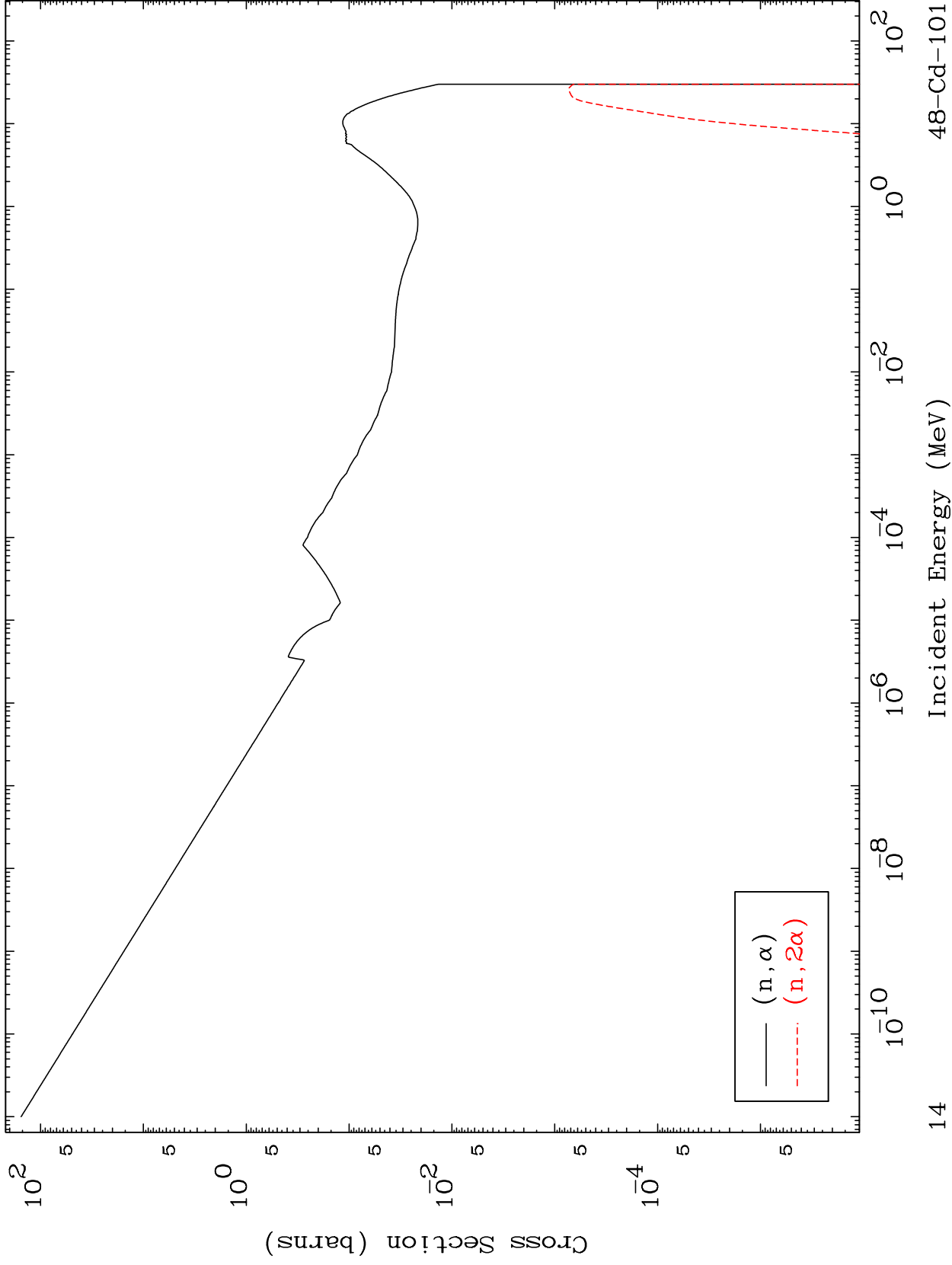
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,α) Levels
293 Kelvin Cross Sections

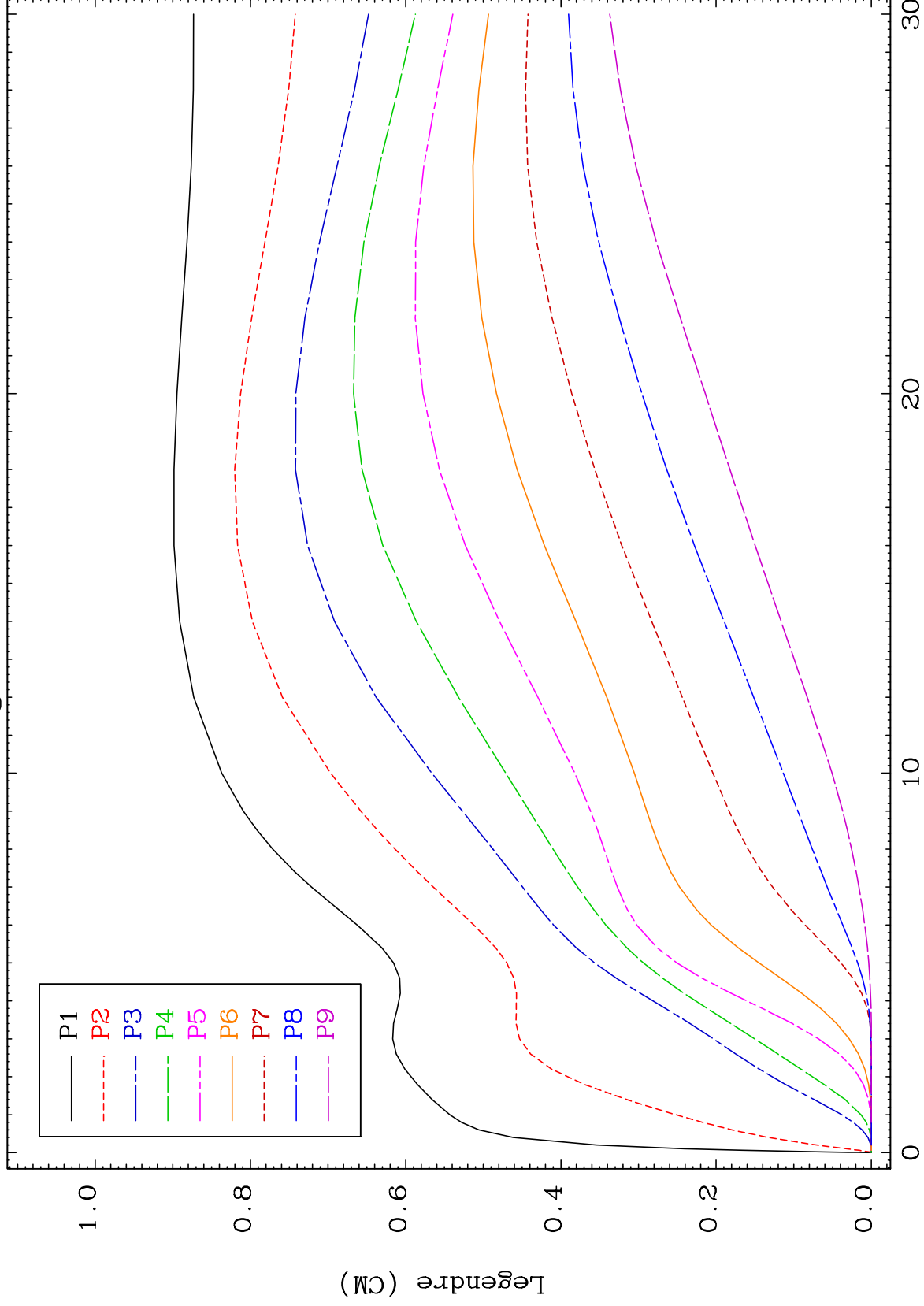
48-Cd-101



MAT 4810

Elastic Legendre Coefficients

48-Cd-101



0

15

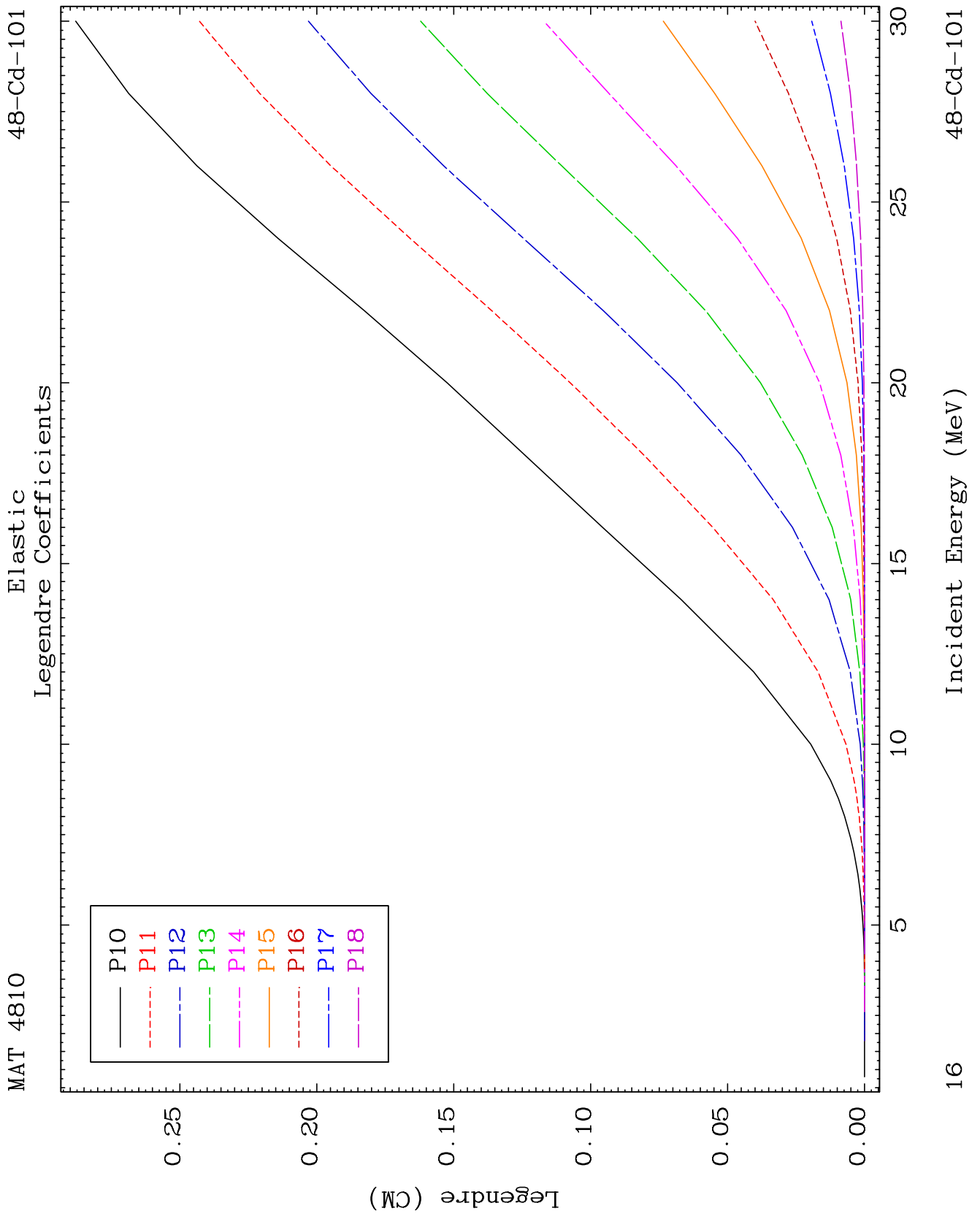
Incident Energy (MeV)

10

20

30

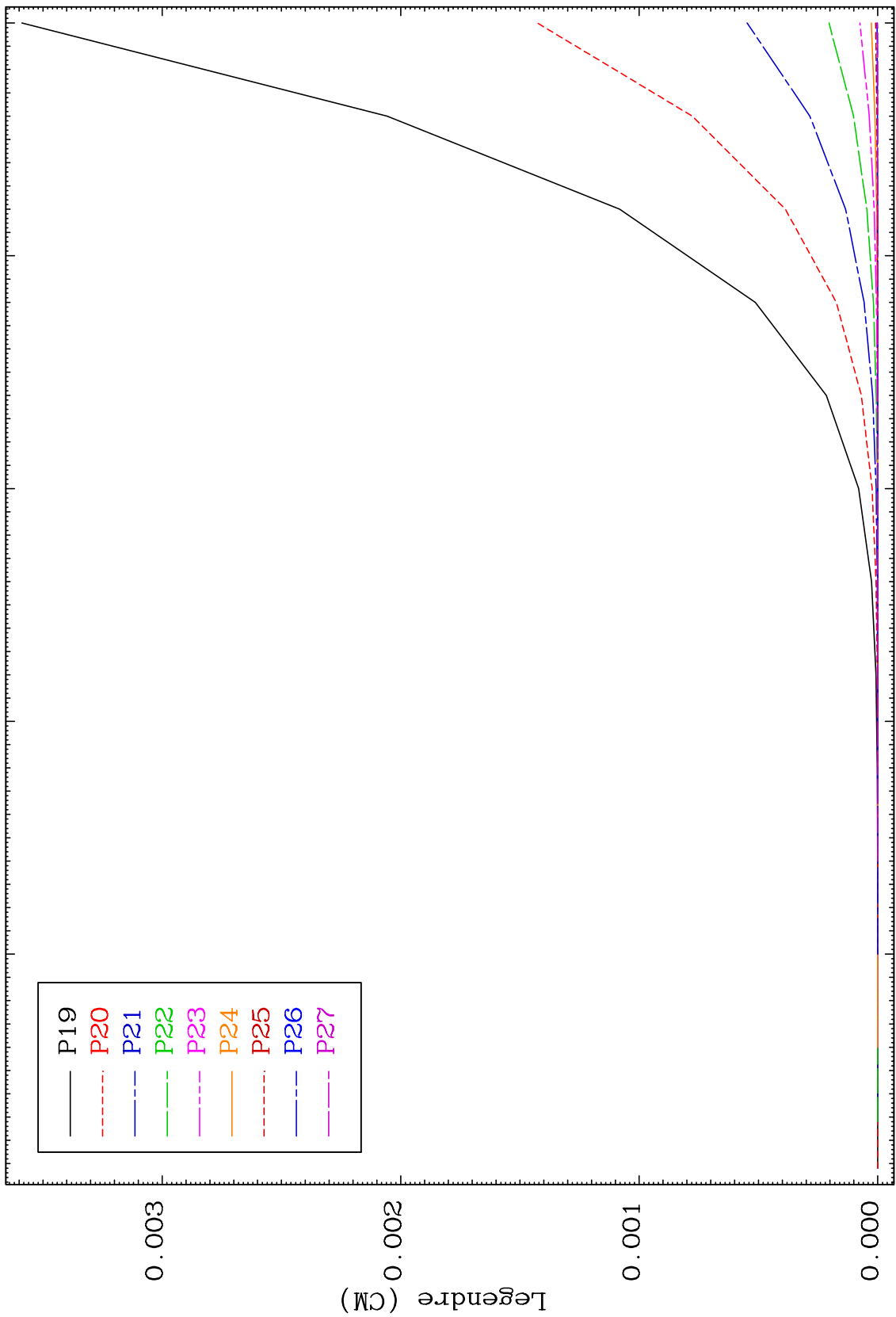
48-Cd-101



MAT 4810

Elastic Legendre Coefficients

48-Cd-101



17

Incident Energy (MeV)

48-Cd-101

MAT 4810

Elastic Legendre Coefficients

48-Cd-101

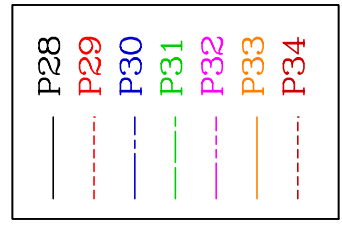
$\times 10^{-7}$
0.5

0.0

Legendre (CM)

-0.5

-1.0



15

20

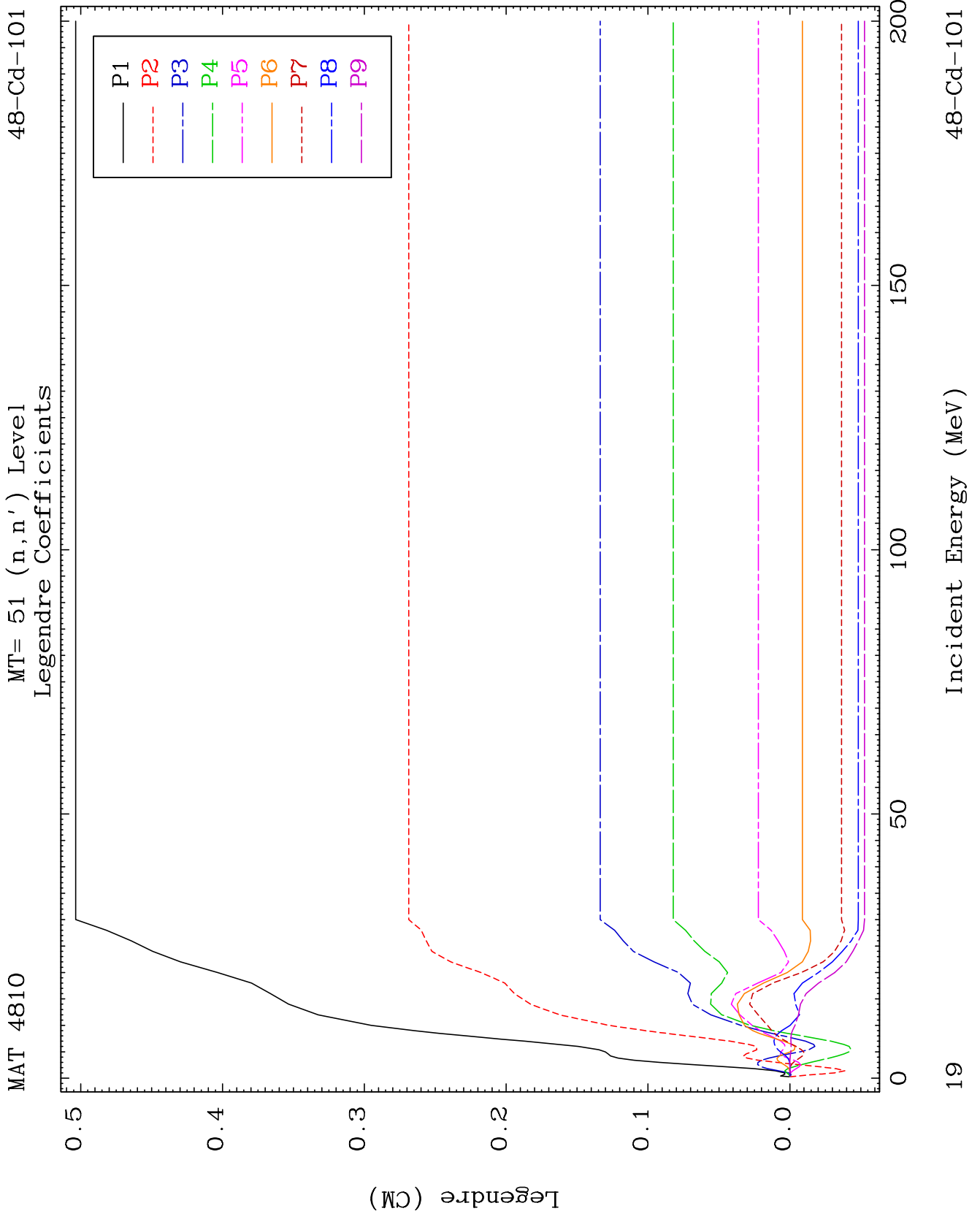
25

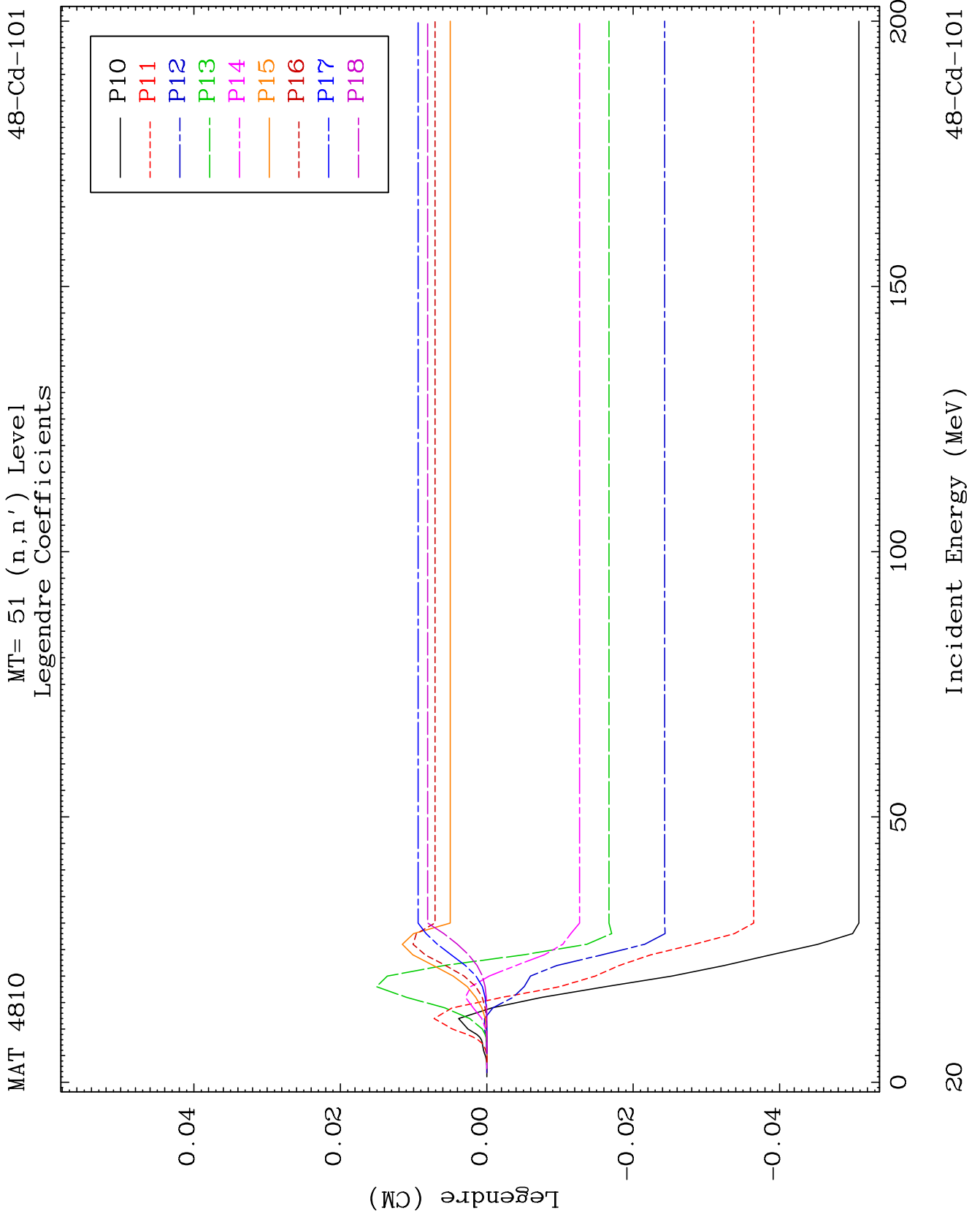
30

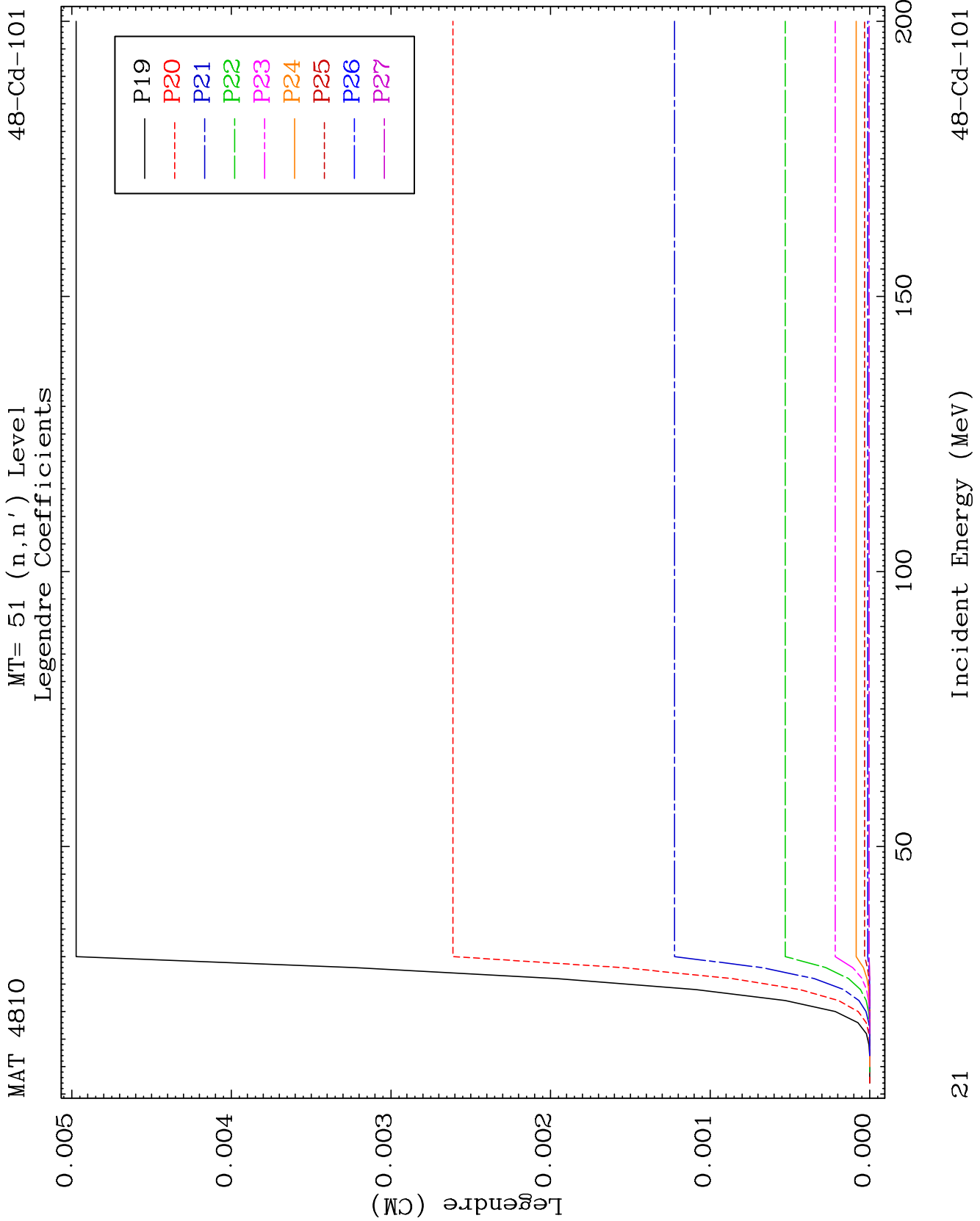
18

Incident Energy (MeV)

48-Cd-101



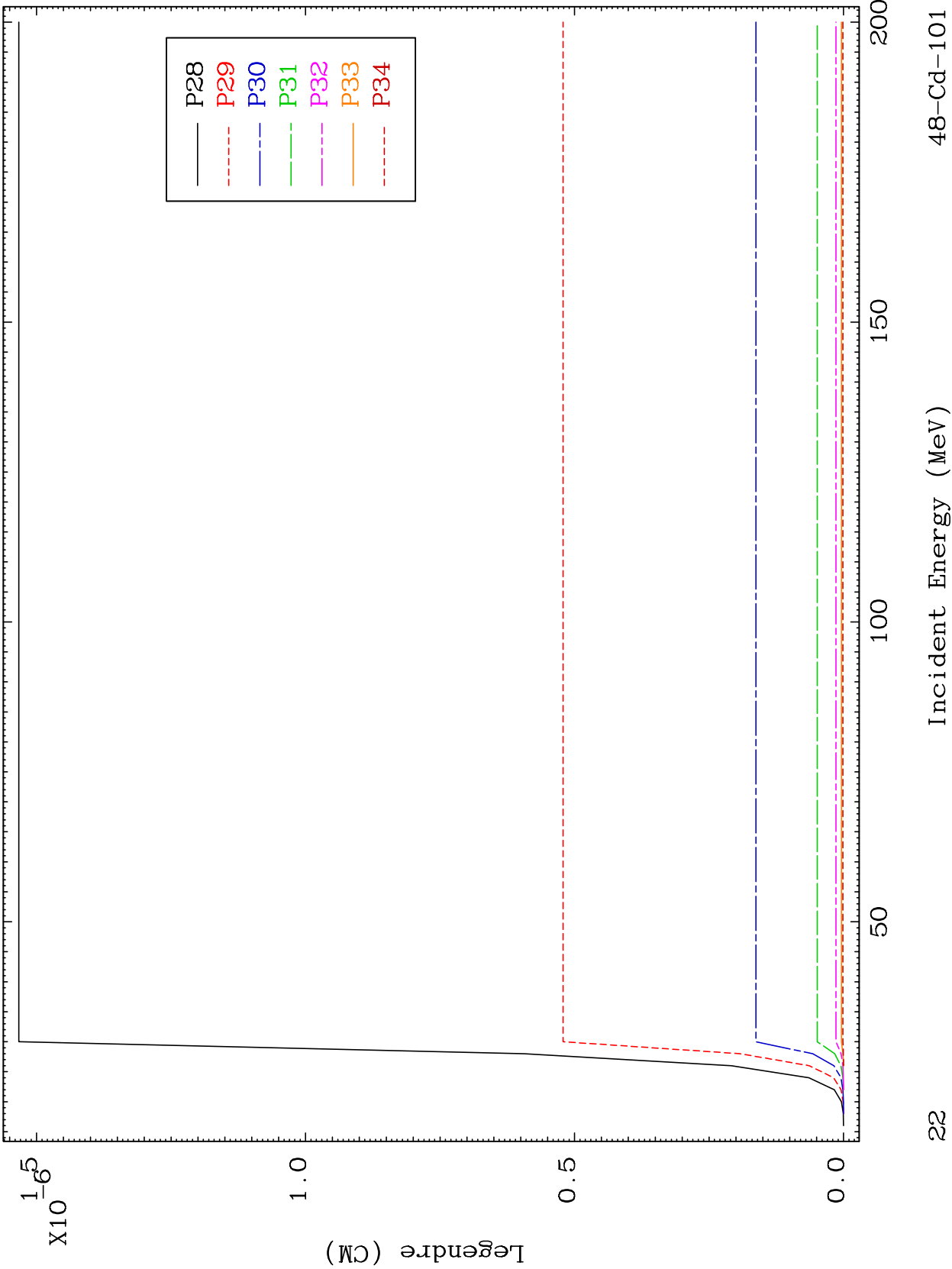




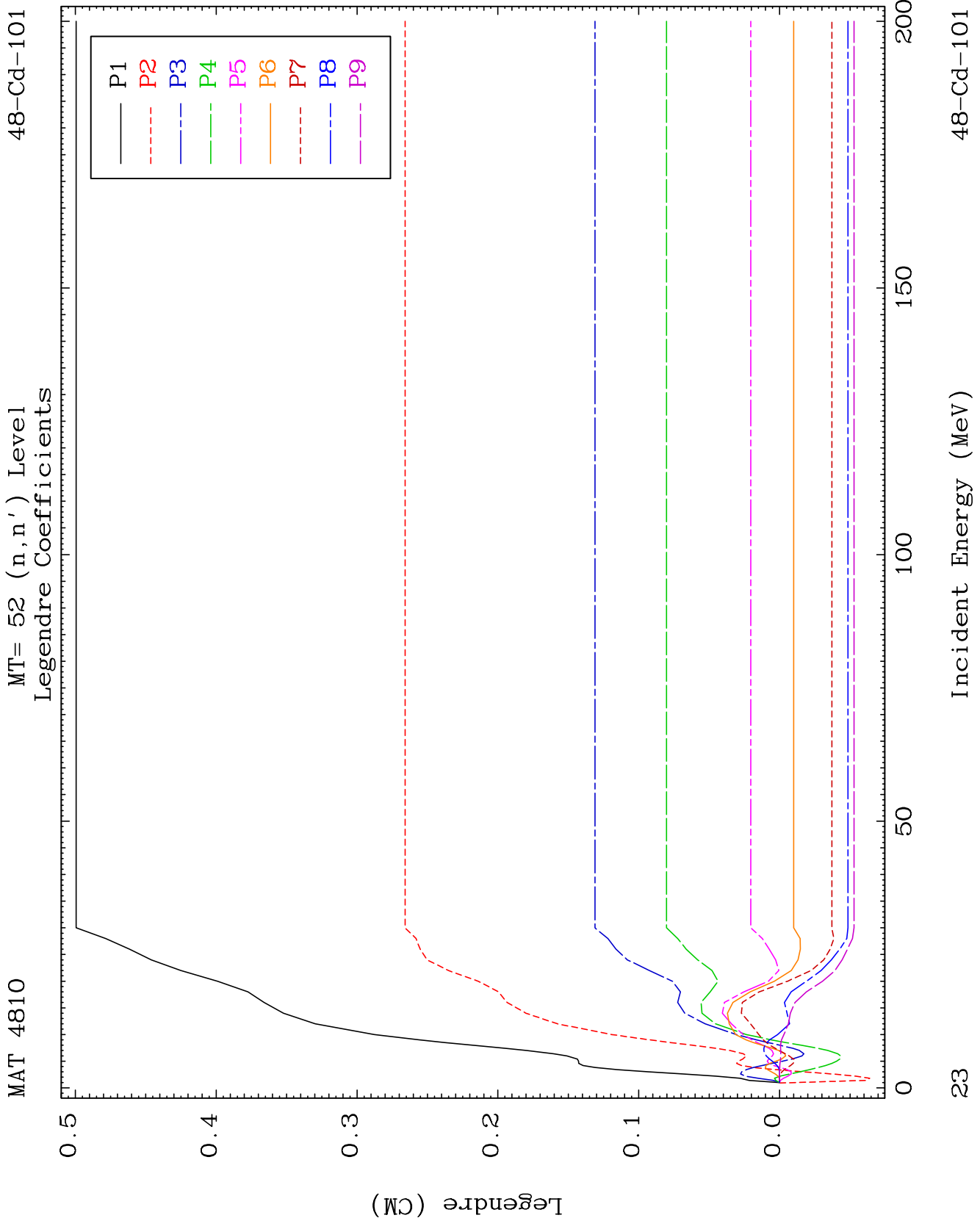
MAT 4810

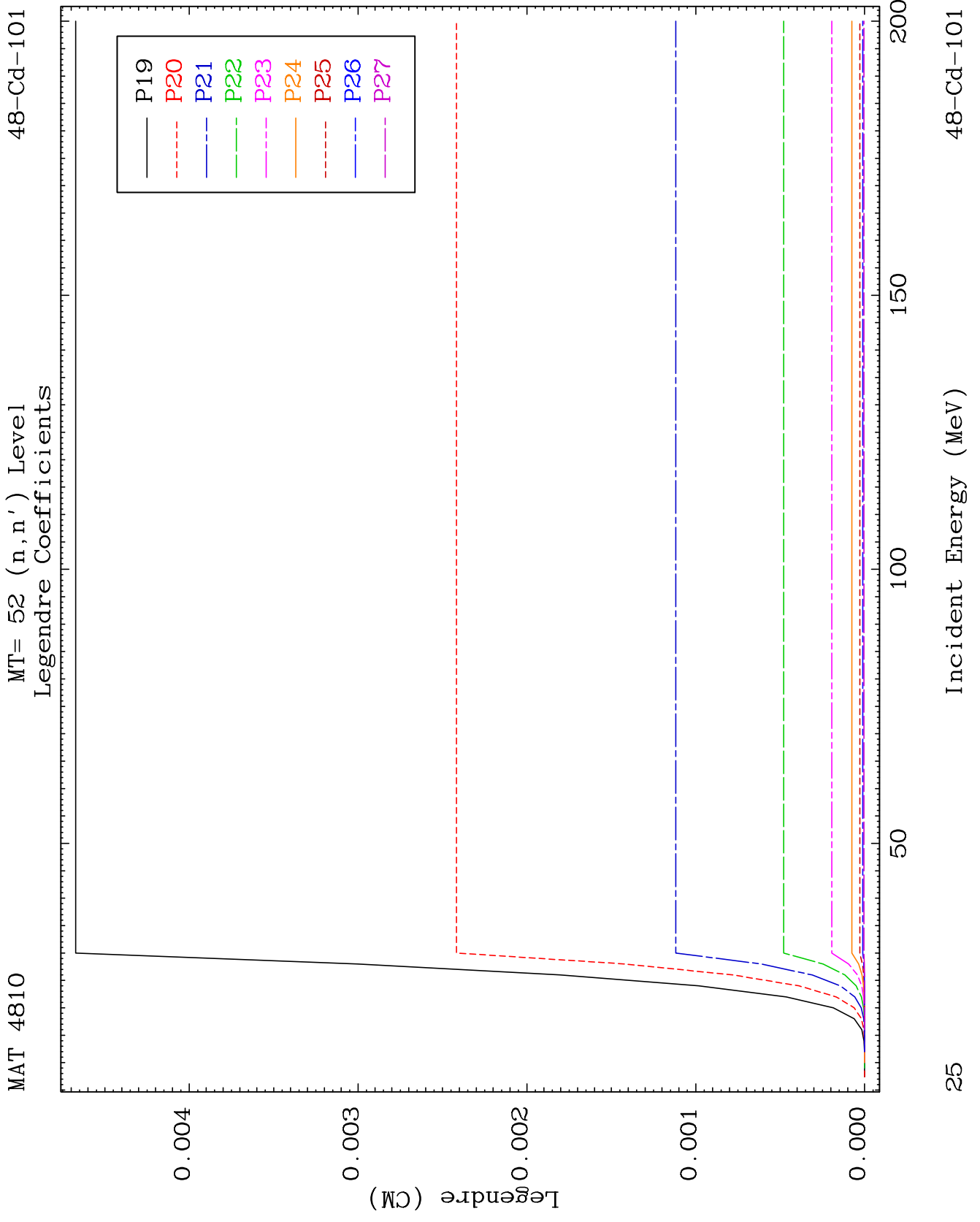
MT= 51 (n,n') Level
Legendre Coefficients

48-Cd-101



22

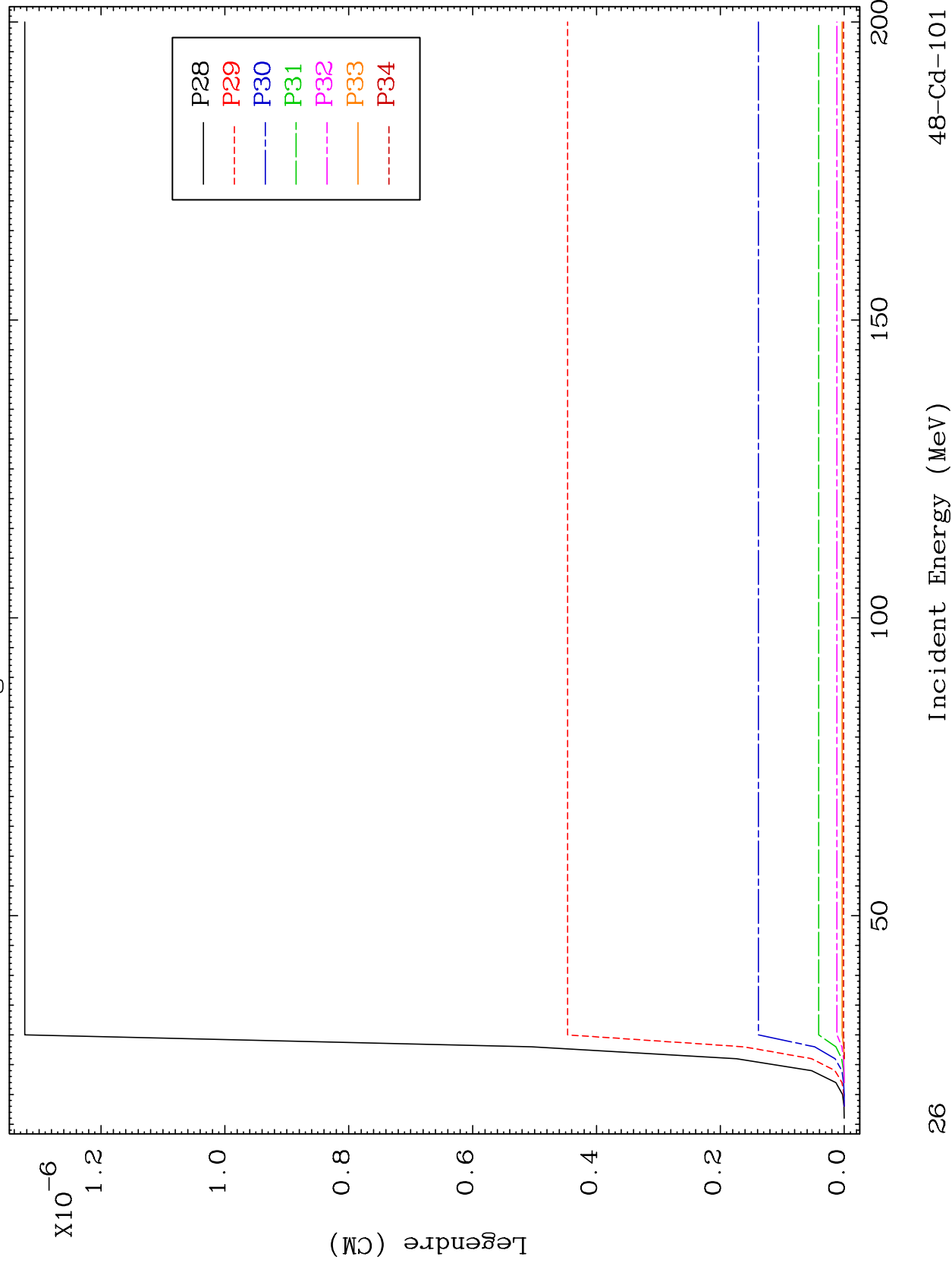




MAT 4810

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

48-Cd-101



26

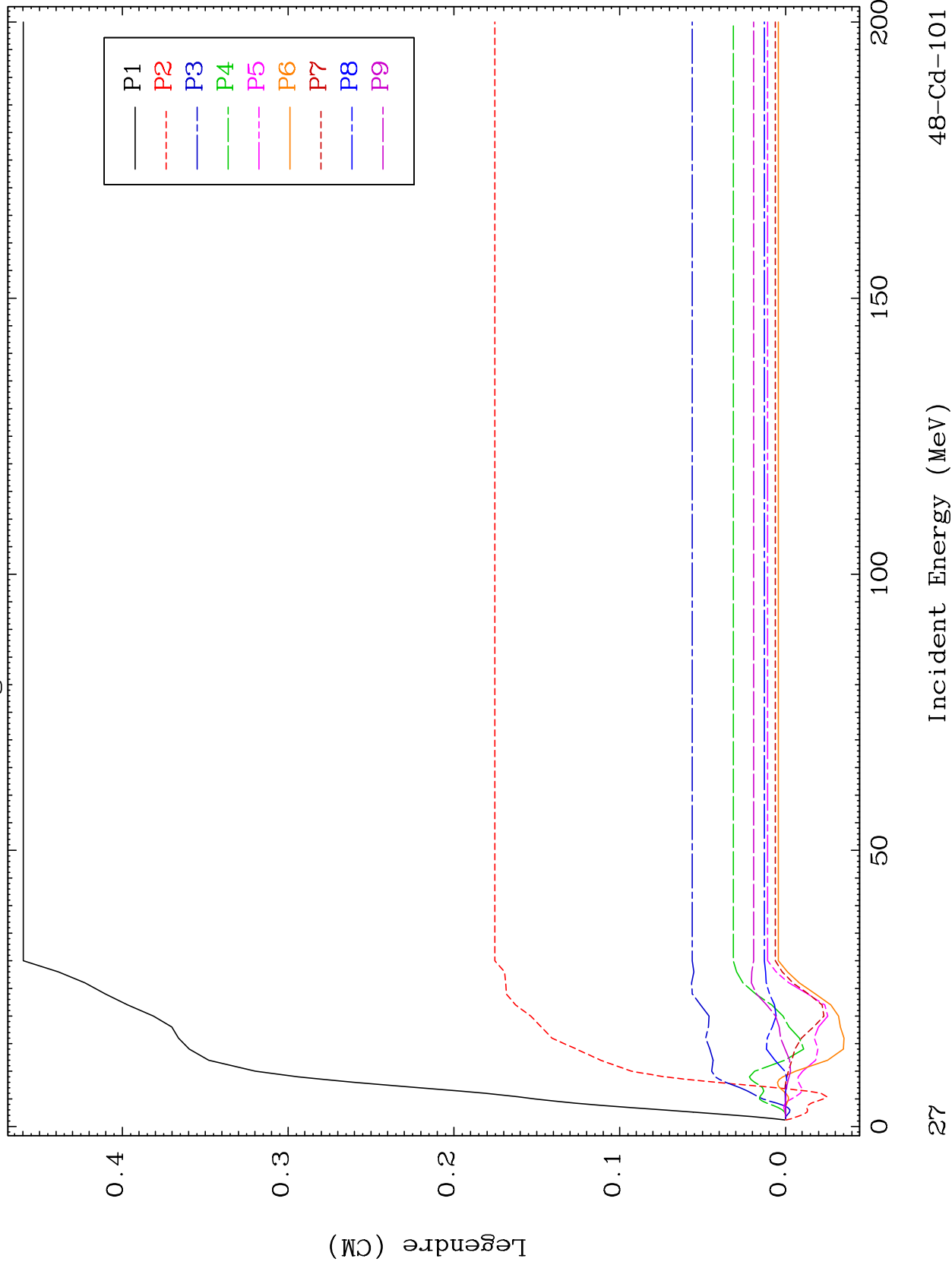
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

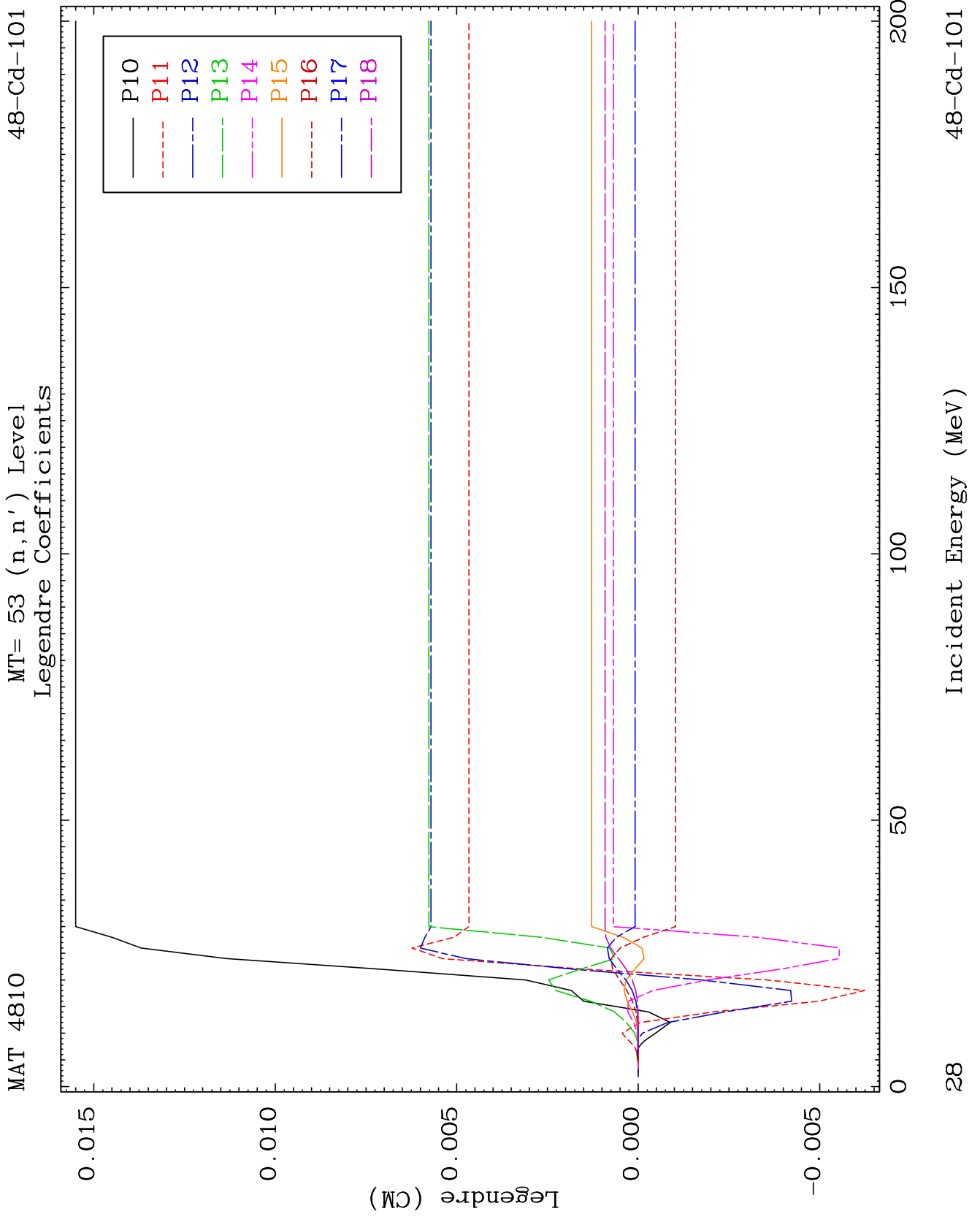
48-Cd-101



27

Incident Energy (MeV)

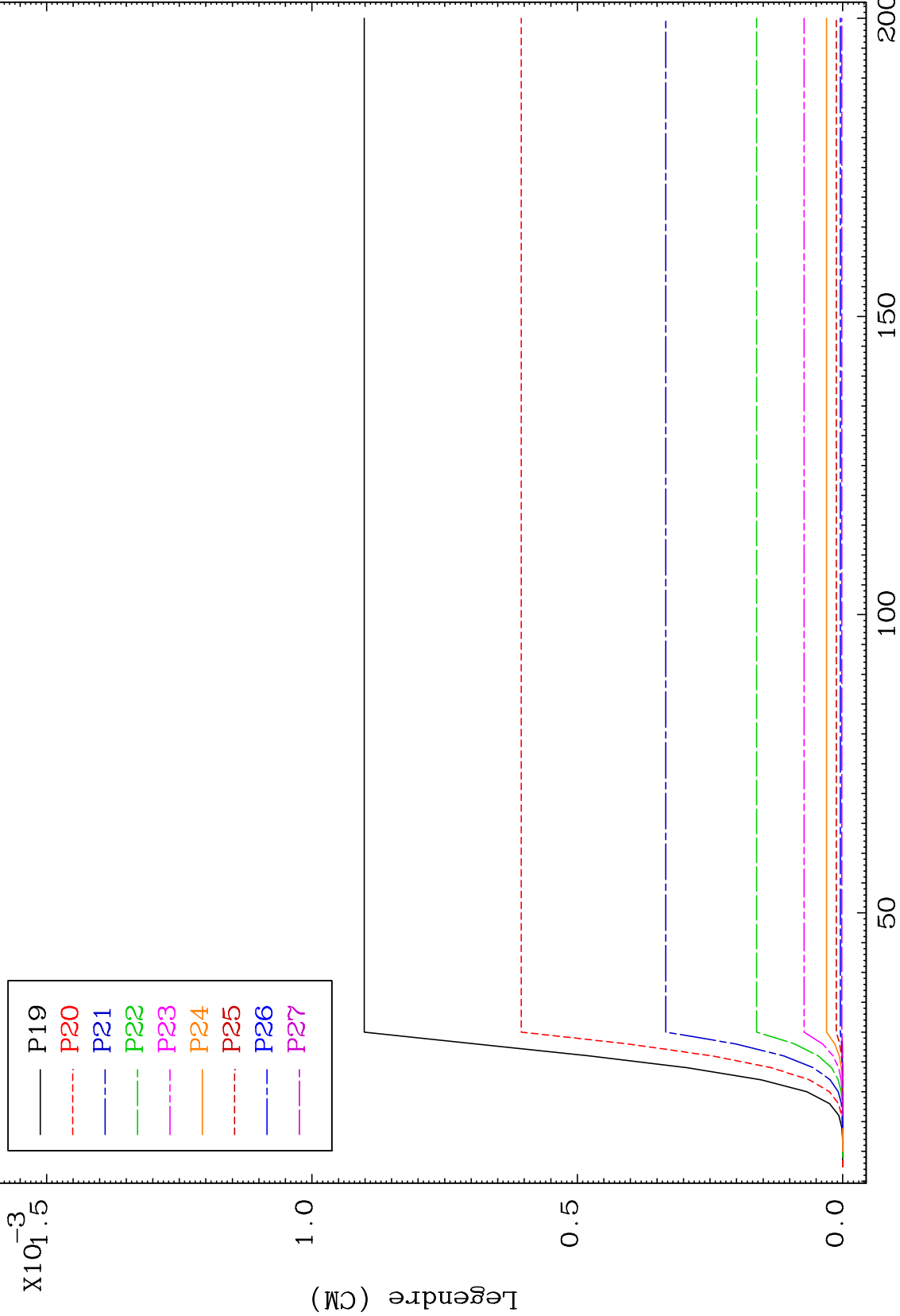
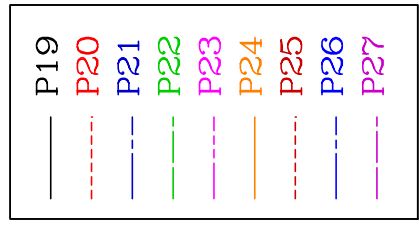
48-Cd-101



MAT 4810

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

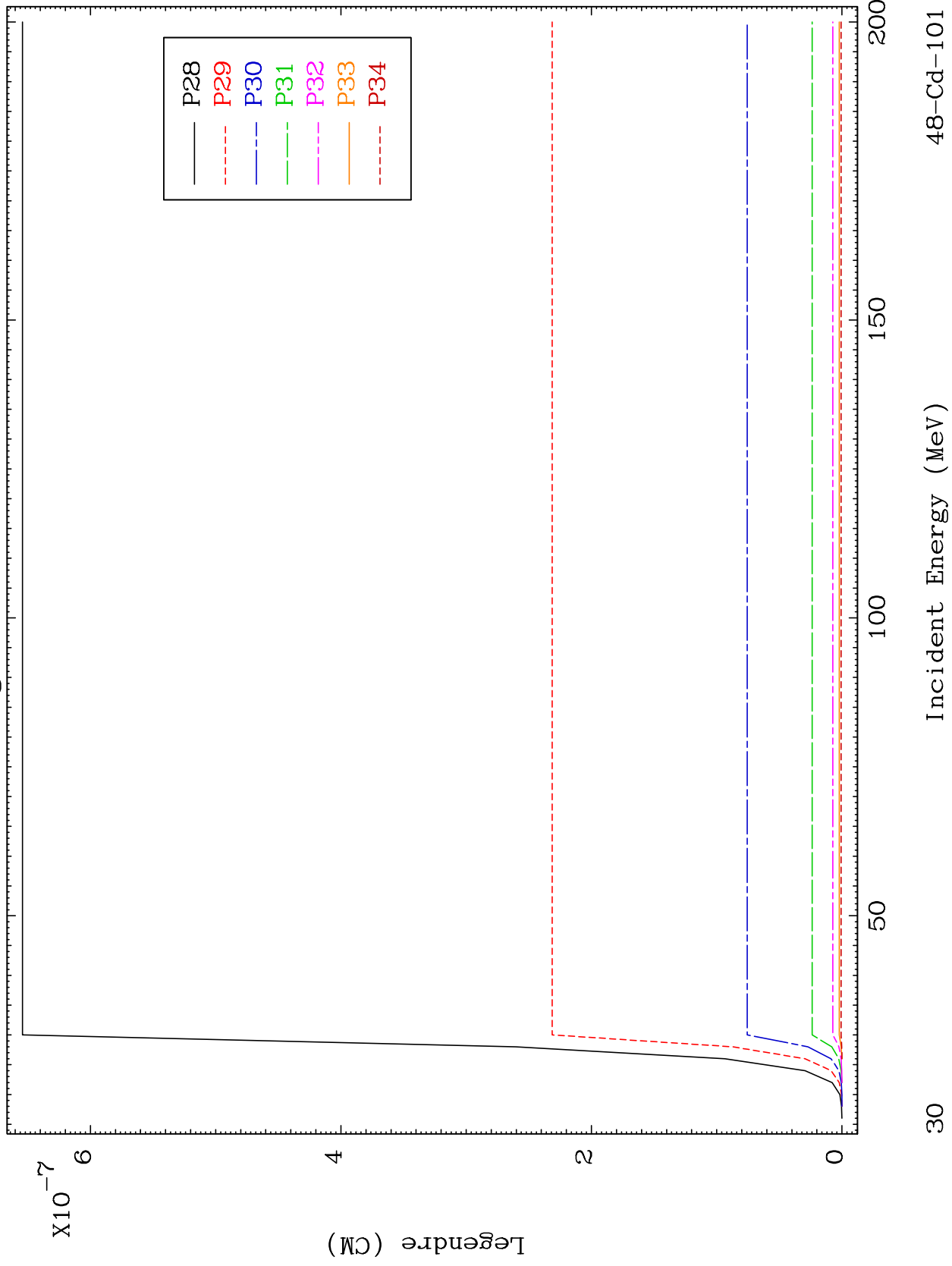
48-Cd-101



MAT 4810

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

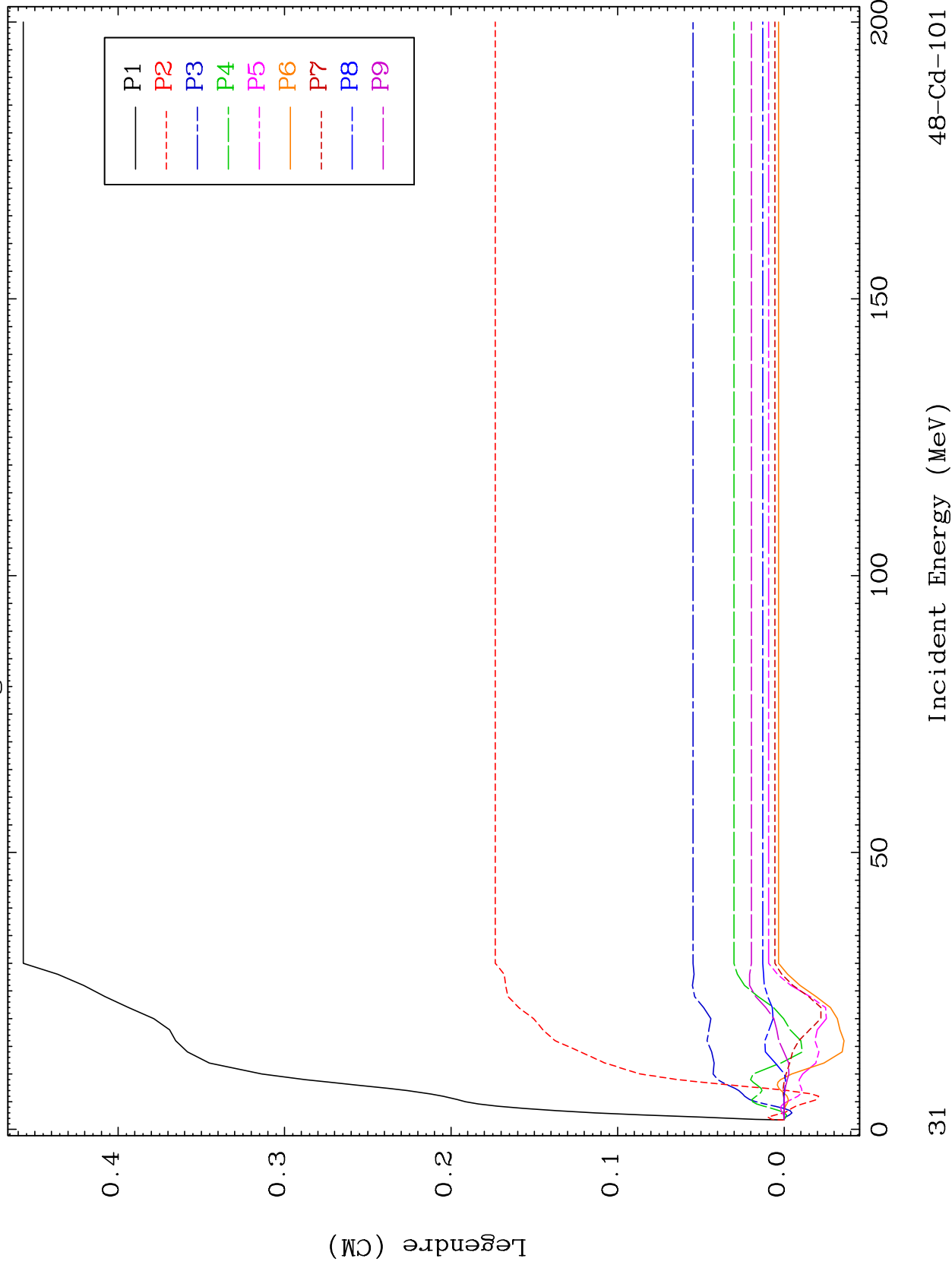
48-Cd-101



MAT 4810

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

48-Cd-101



48-Cd-101

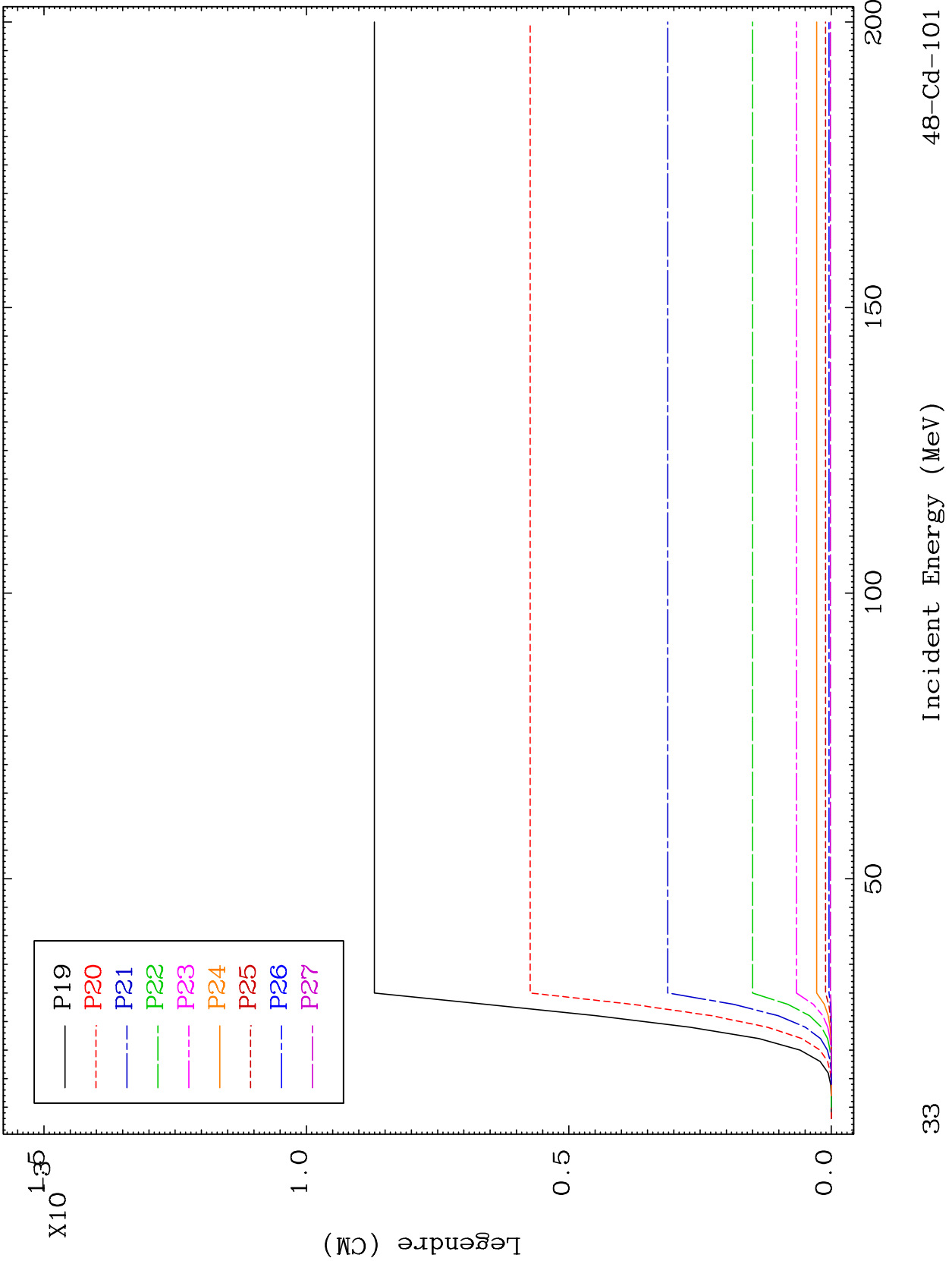
Incident Energy (MeV)

31

MAT 4810

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

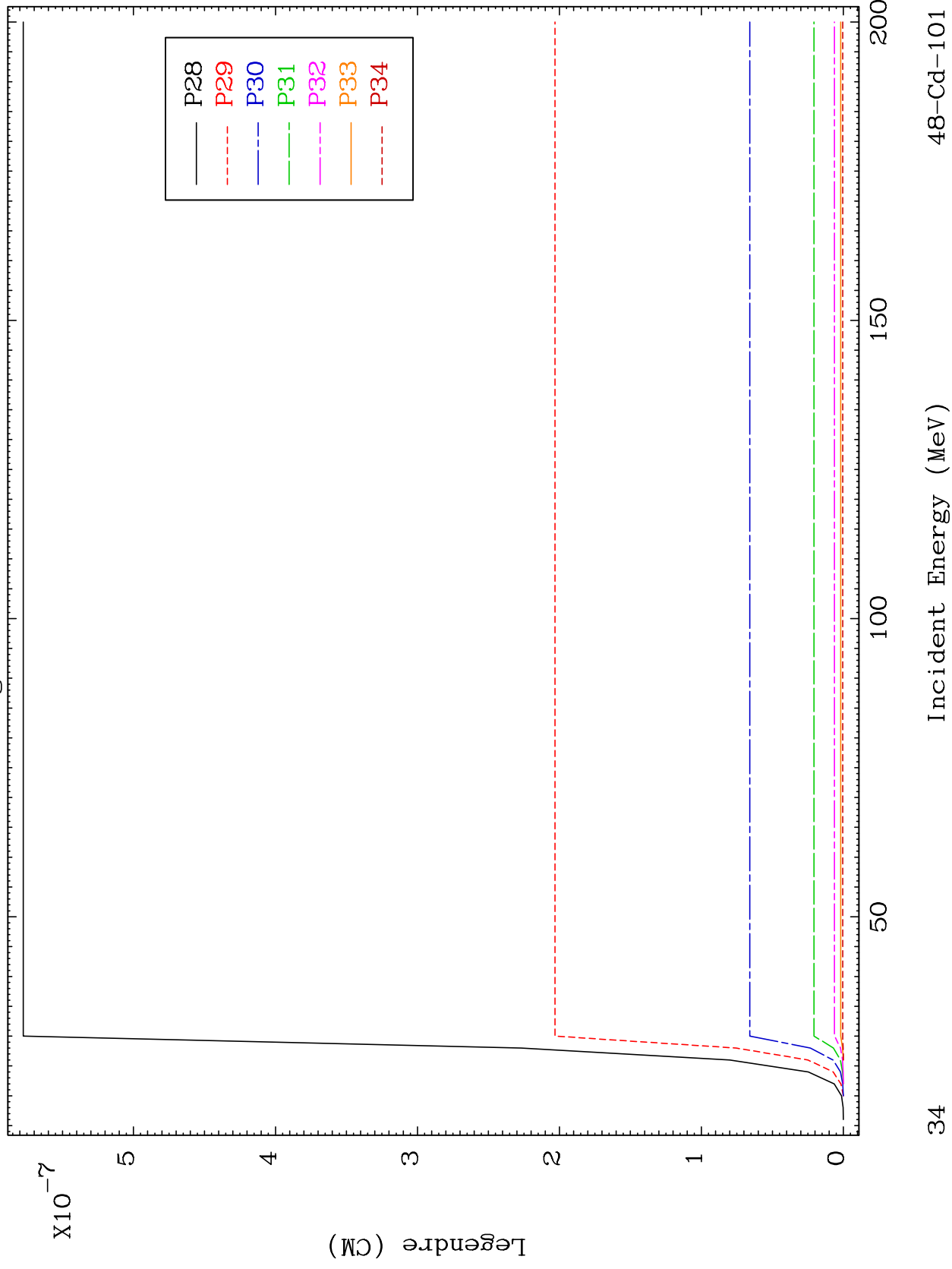
48-Cd-101



MAT 4810

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

48-Cd-101

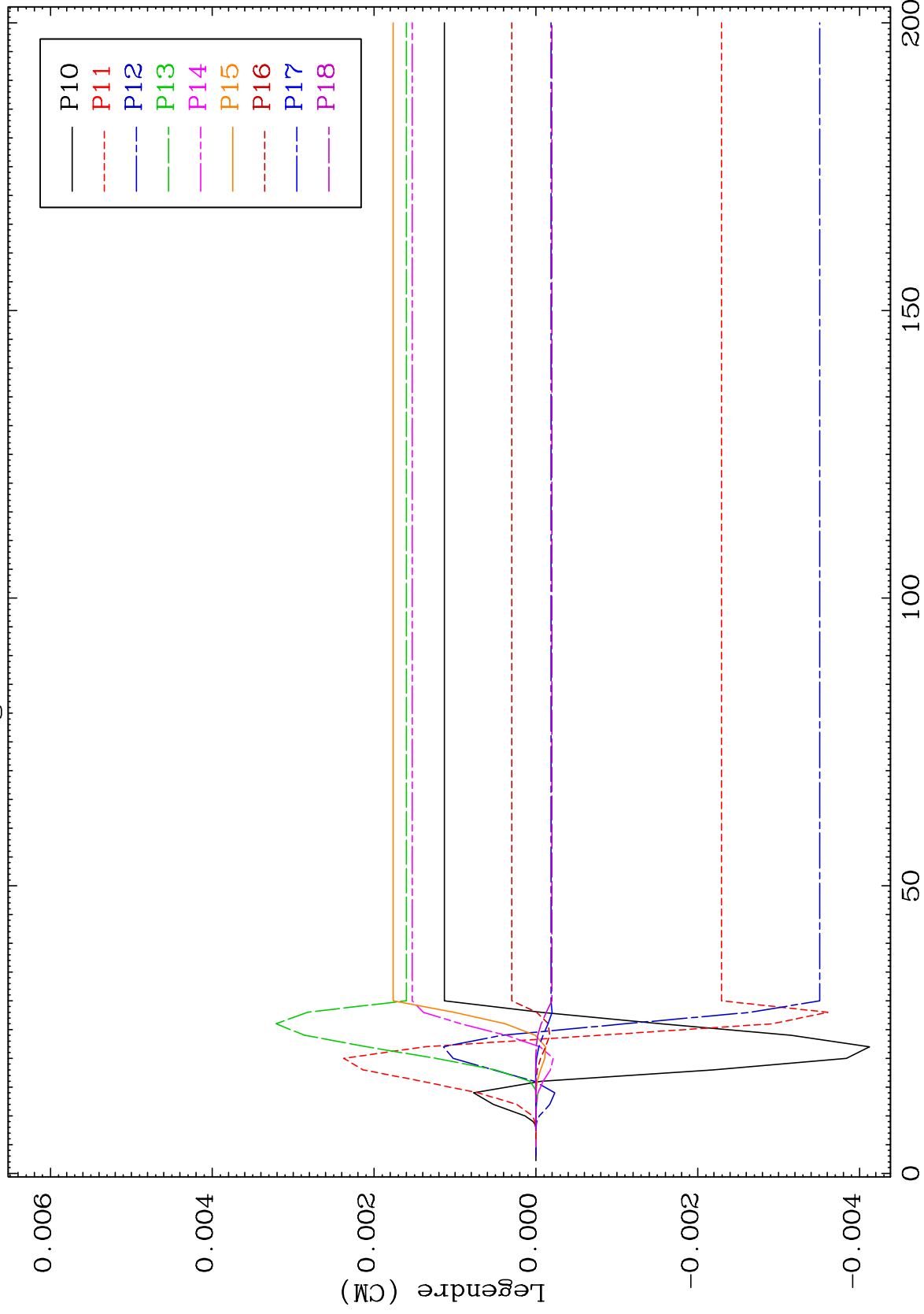


34

MAT 4810

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

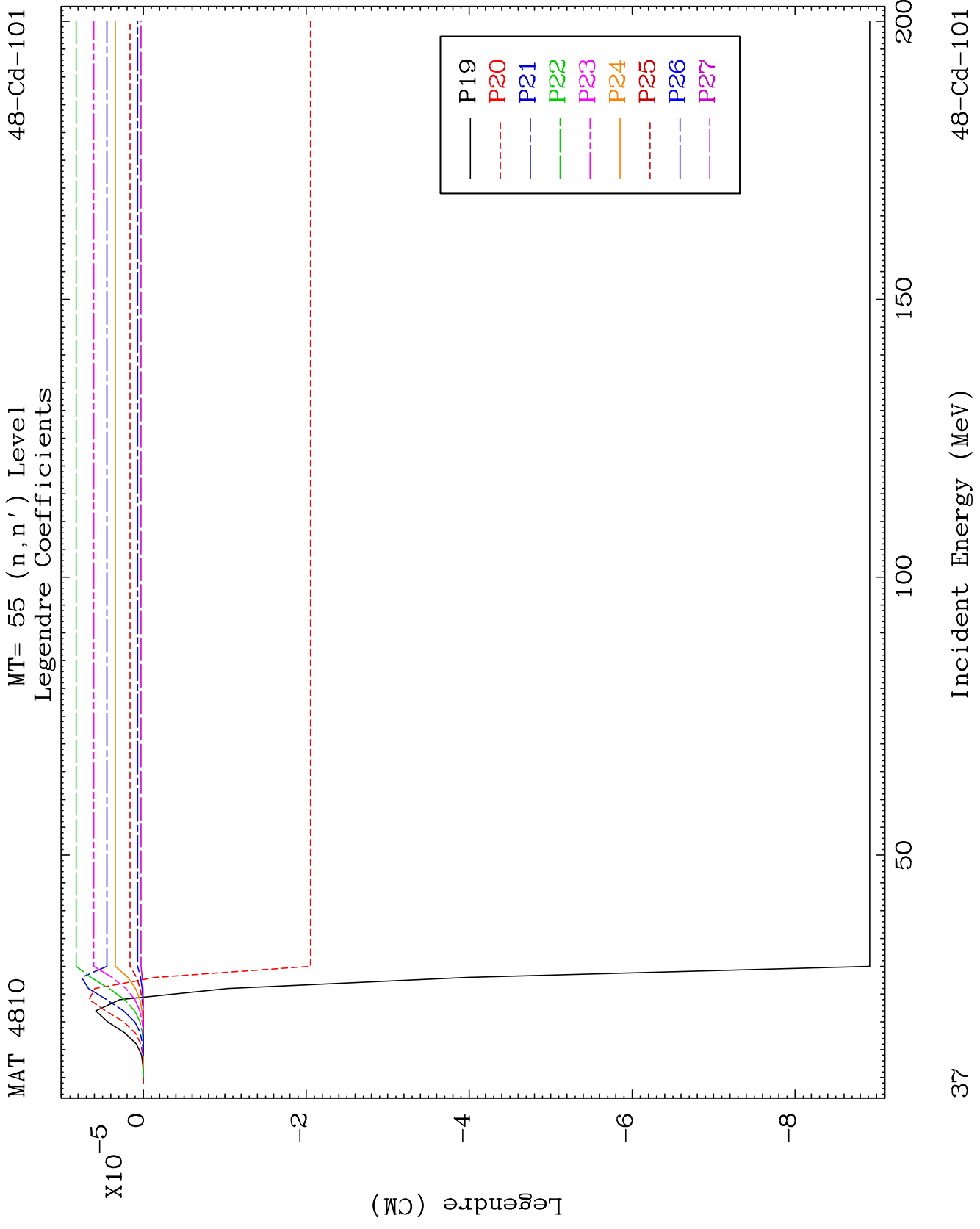
48-Cd-101



36

Incident Energy (MeV)

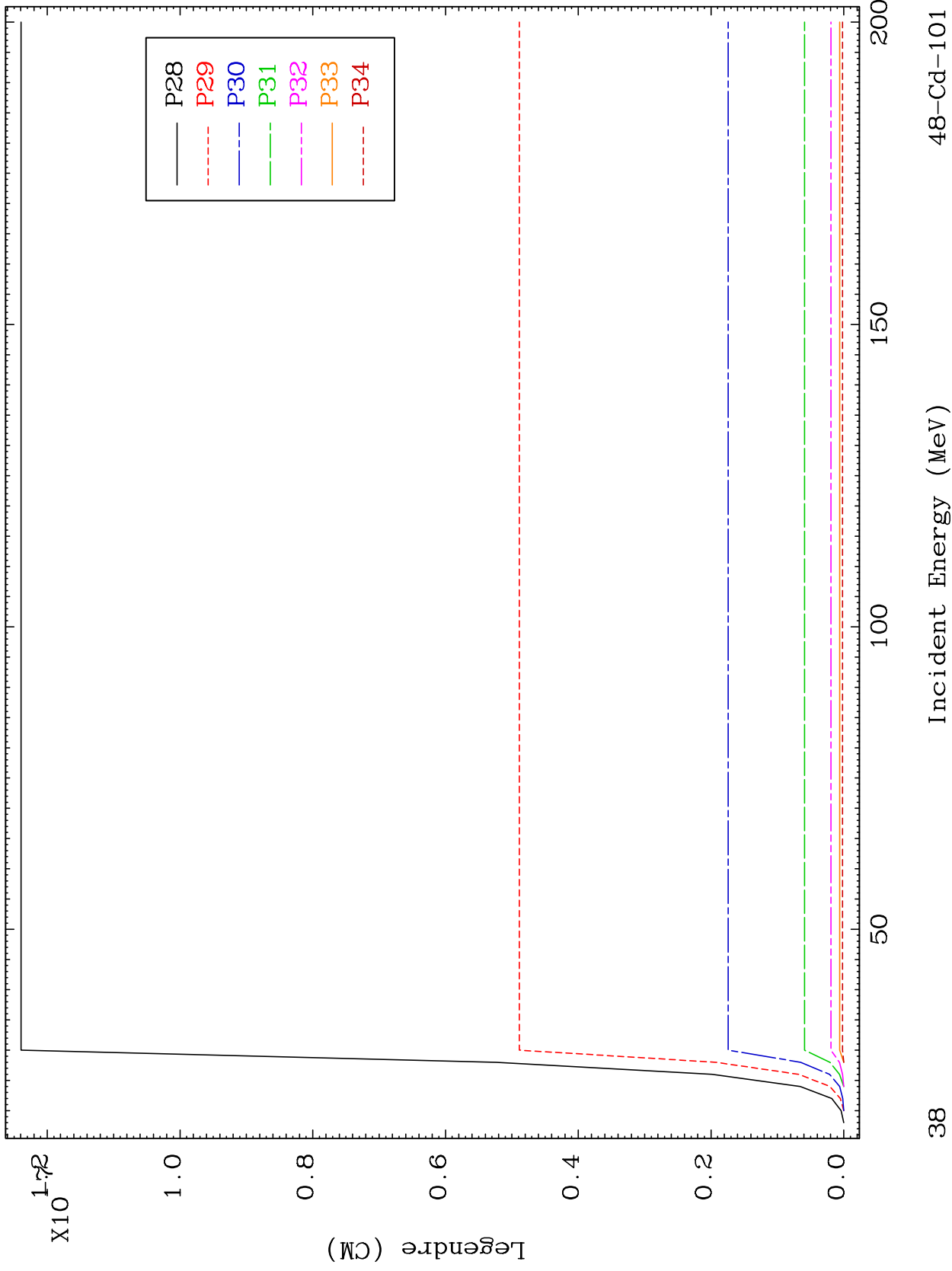
48-Cd-101



MAT 4810

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

48-Cd-101

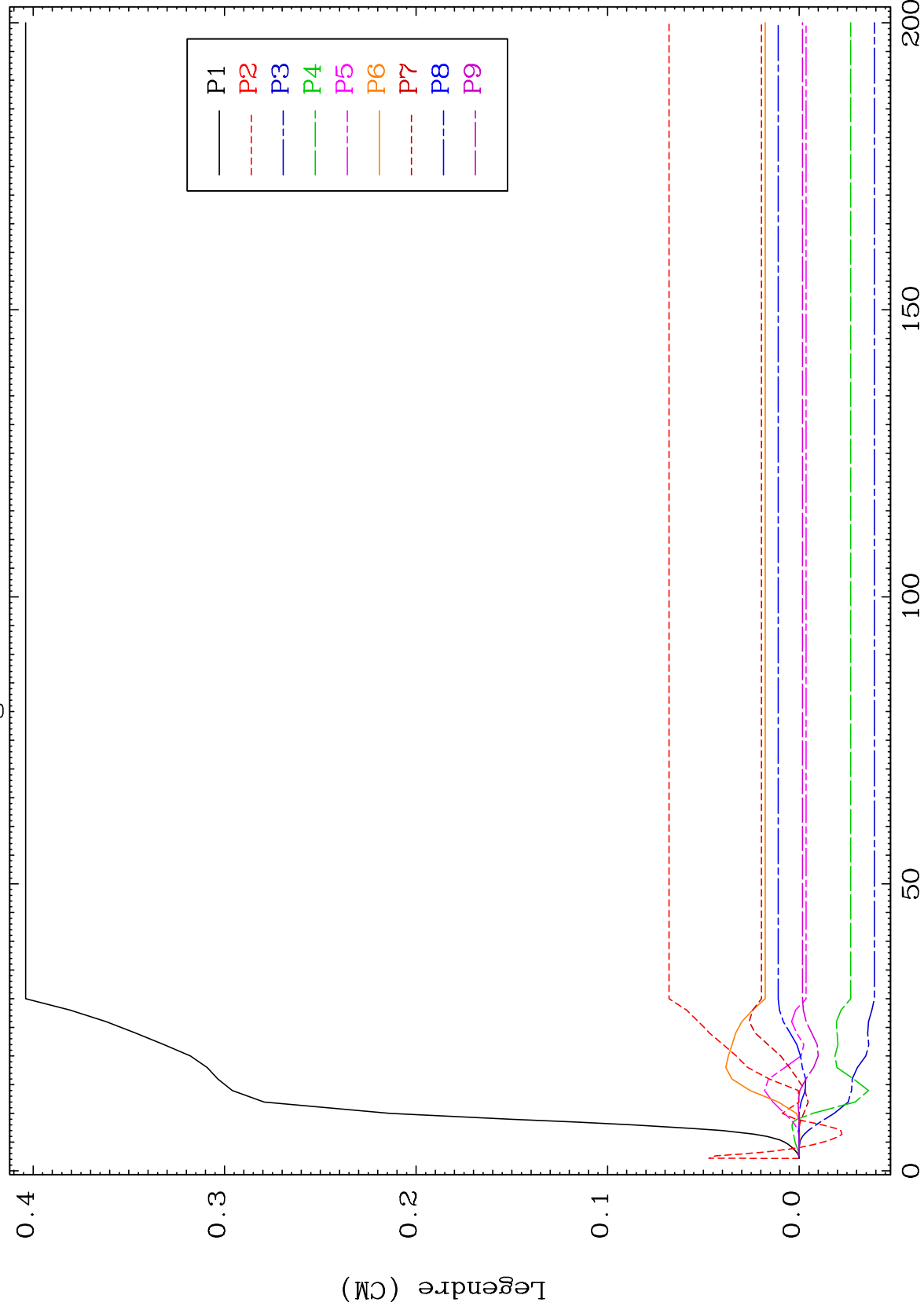


38

MAT 4810

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

48-Cd-101



39

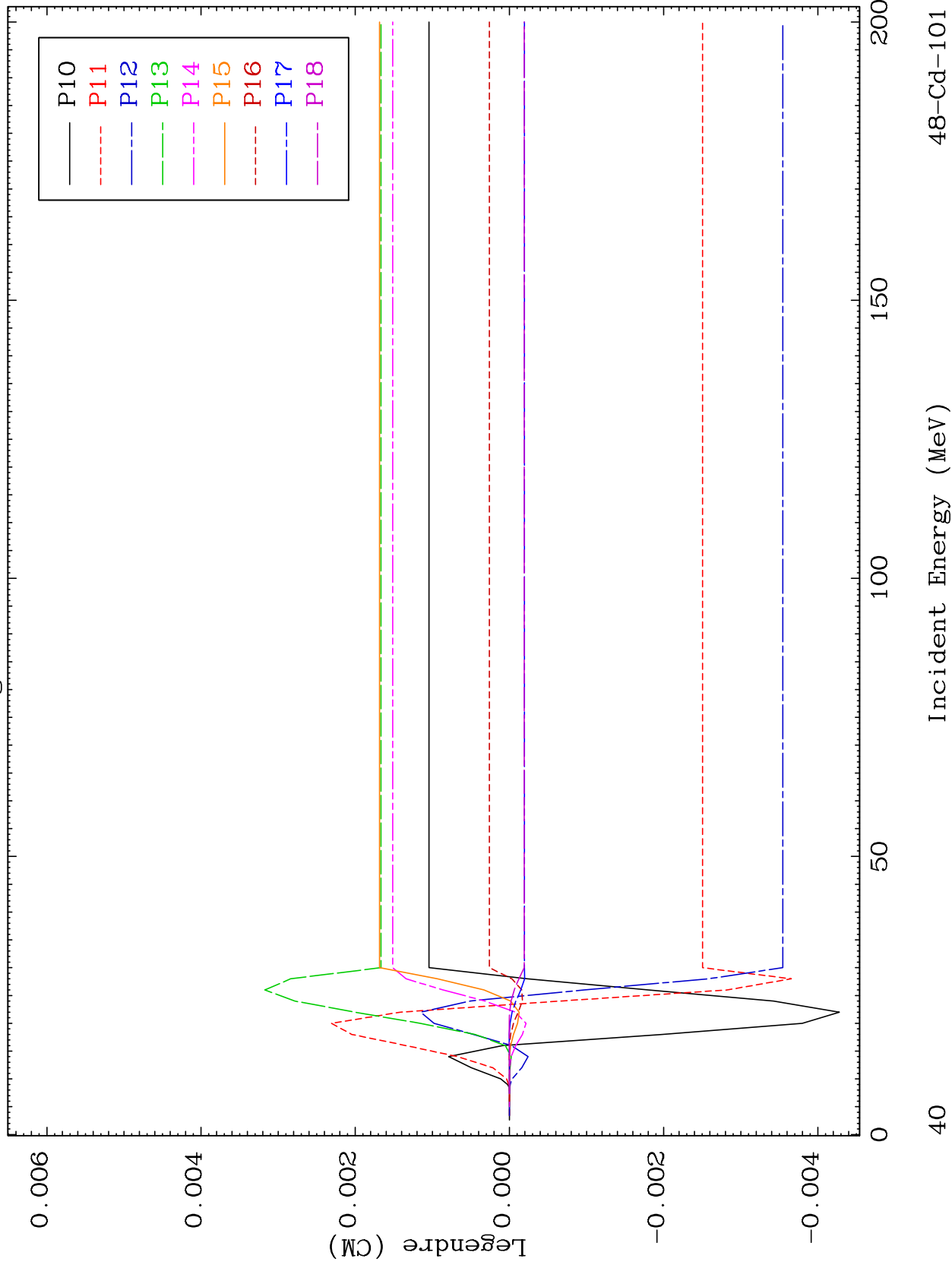
Incident Energy (MeV)

48-Cd-101

MAT 4810

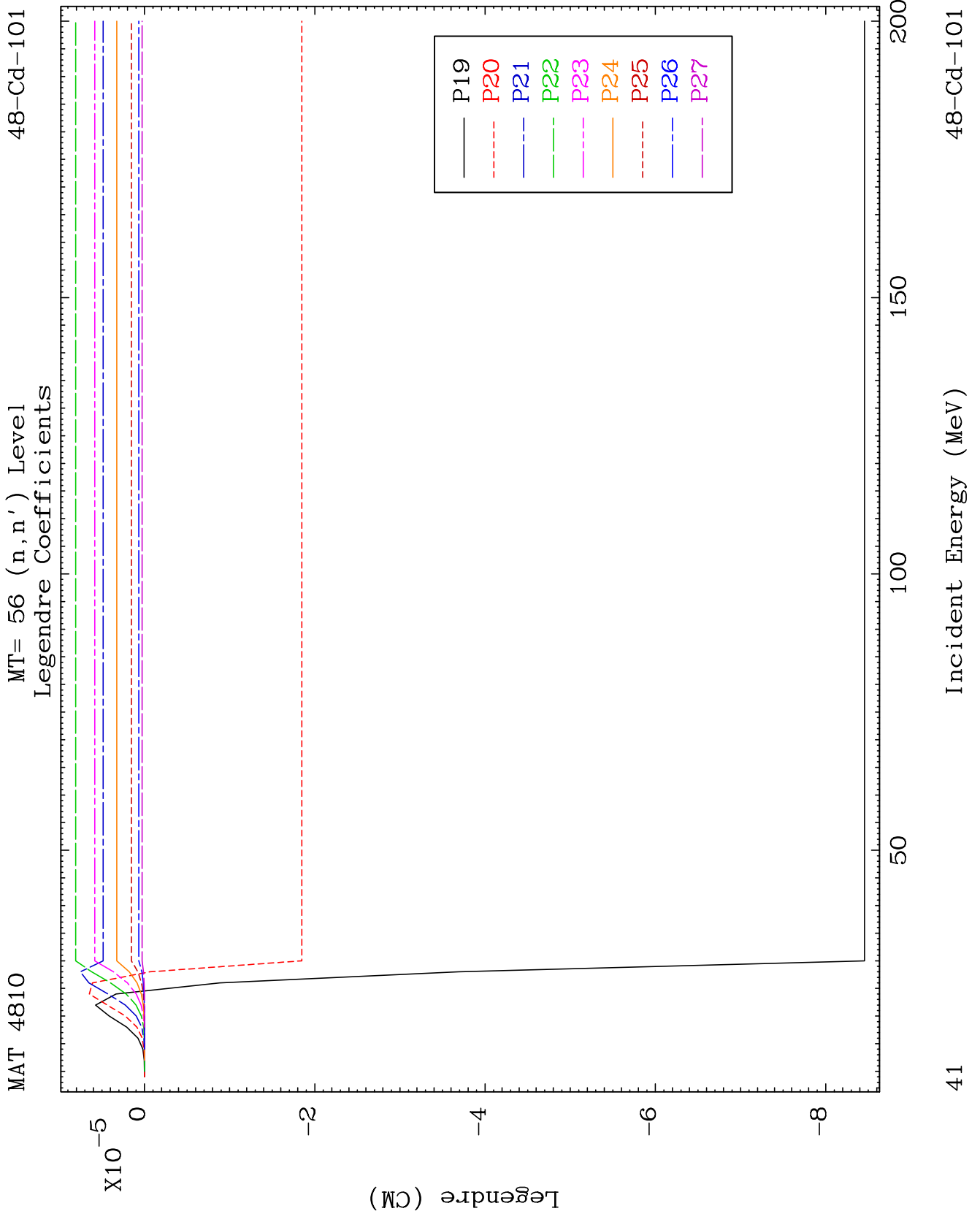
MT= 56 (n,n') Level
Legendre Coefficients

48-Cd-101



48-Cd-101

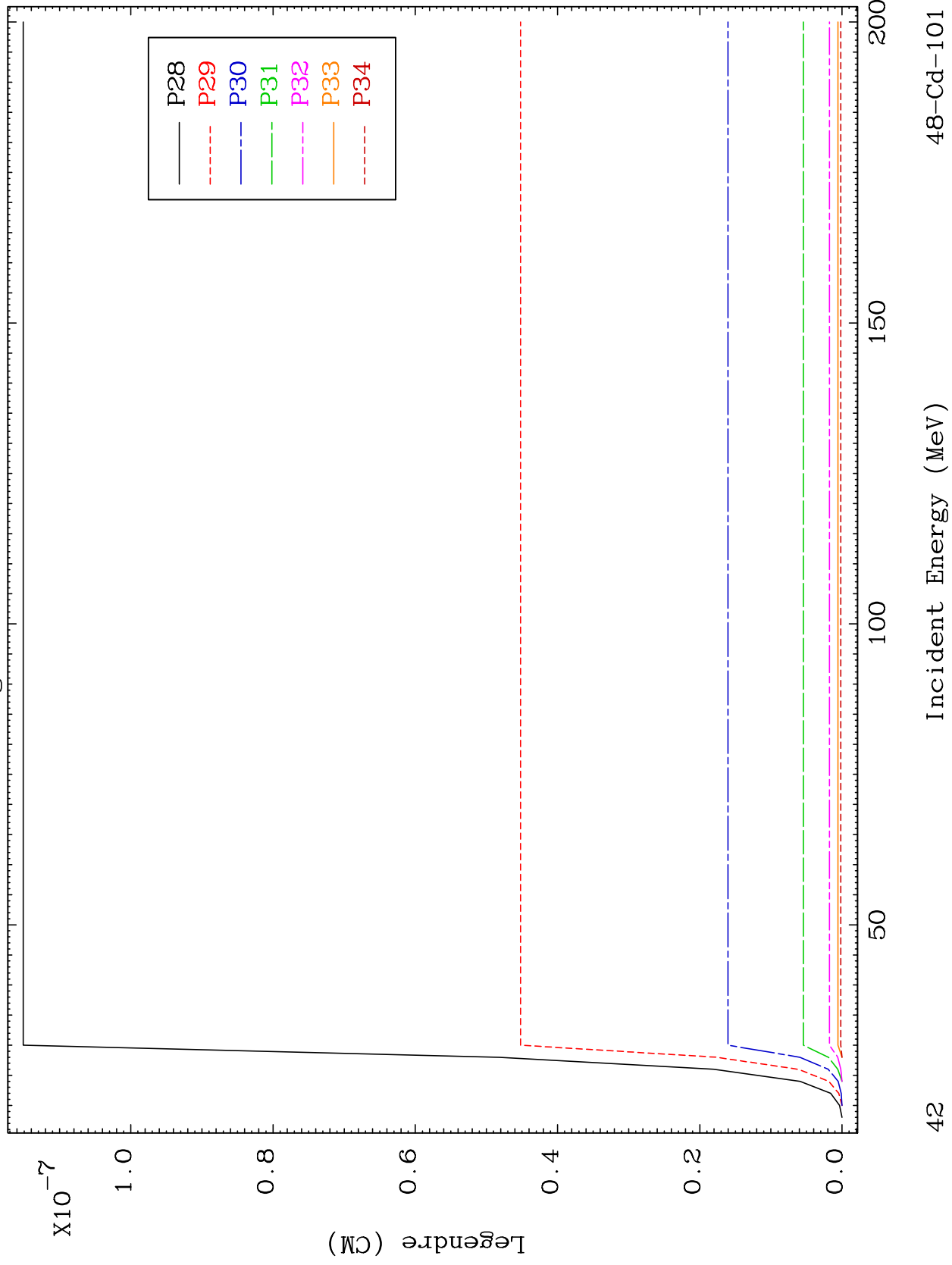
Incident Energy (MeV)



MAT 4810

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

48-Cd-101



42

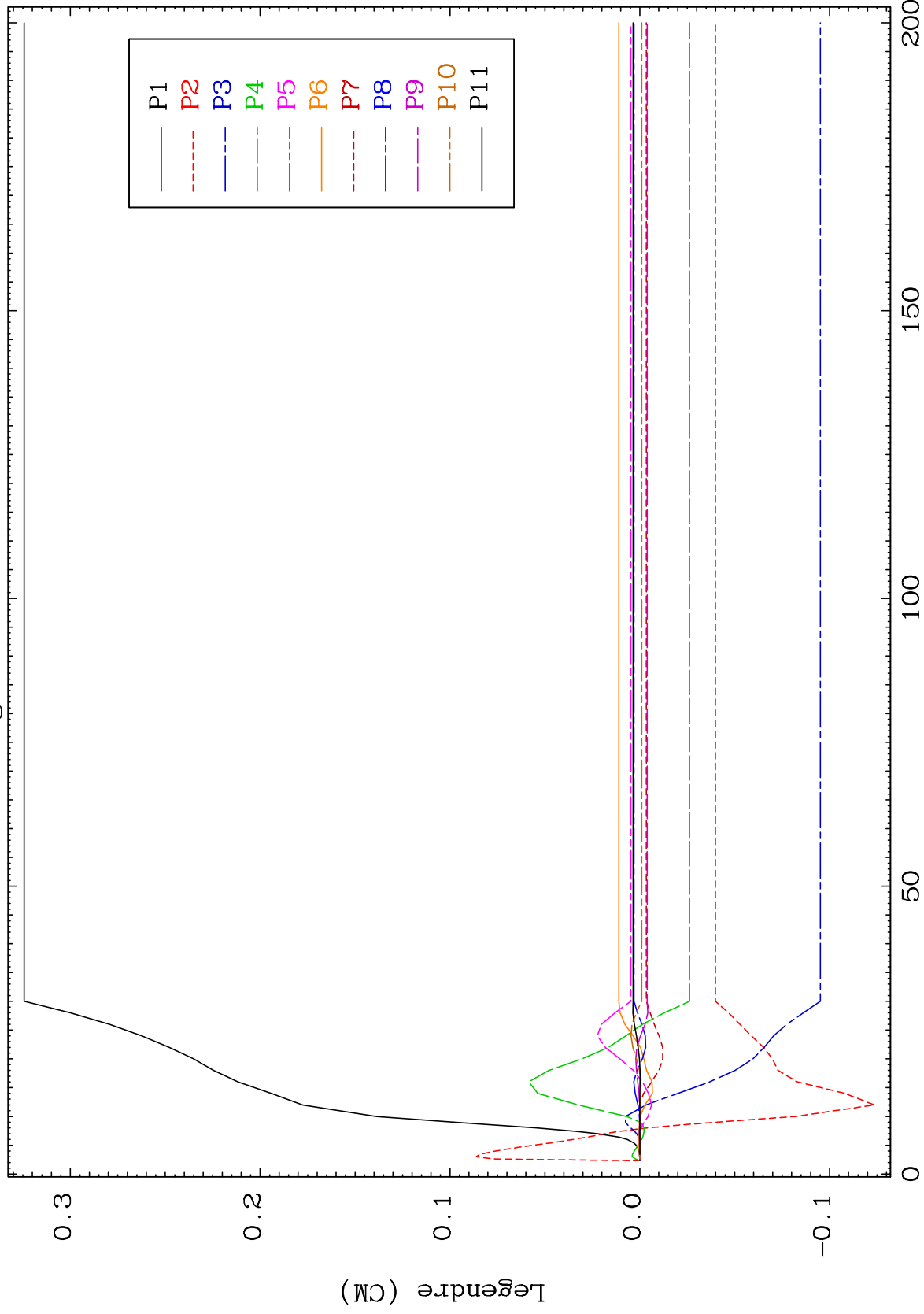
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



43

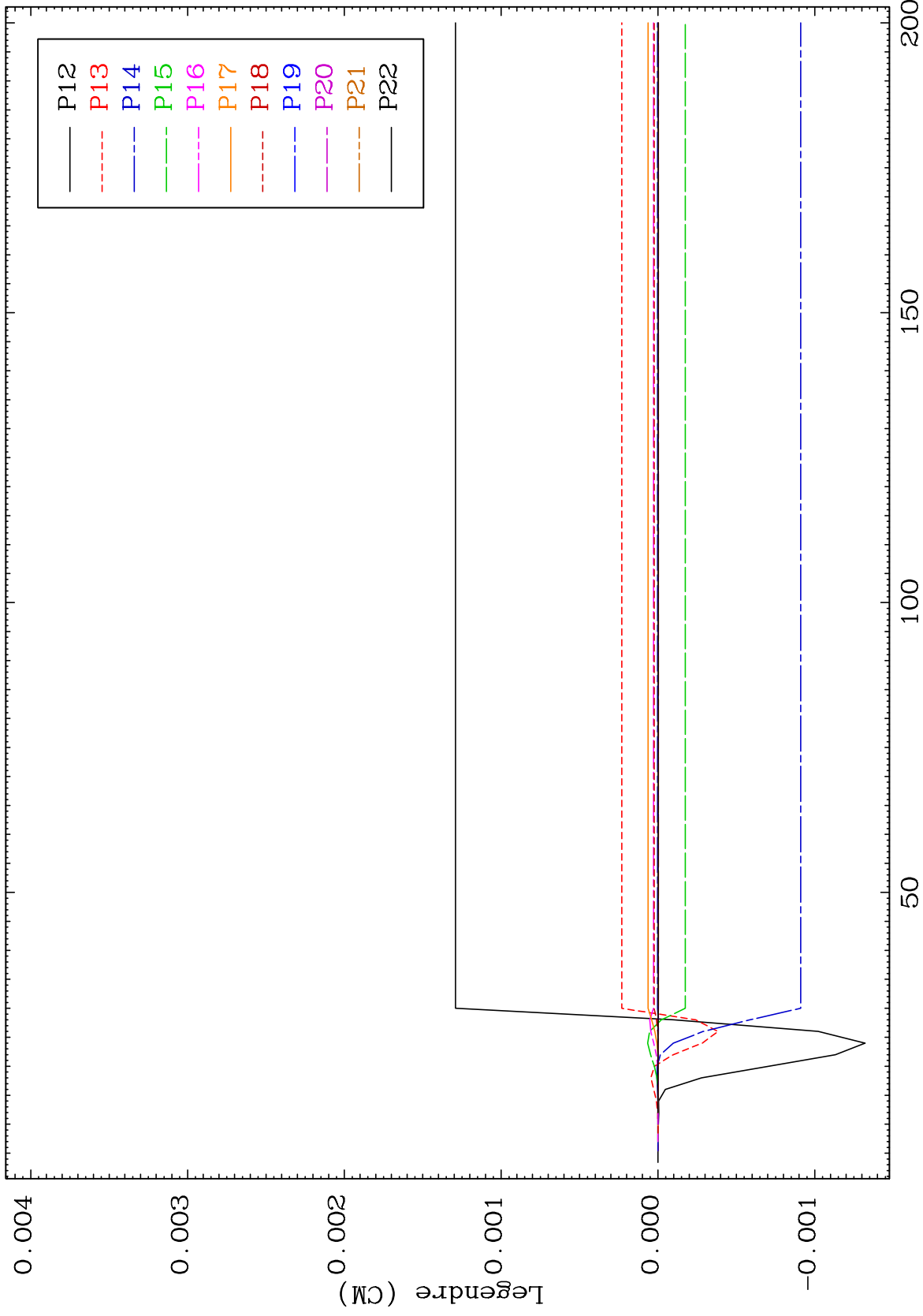
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

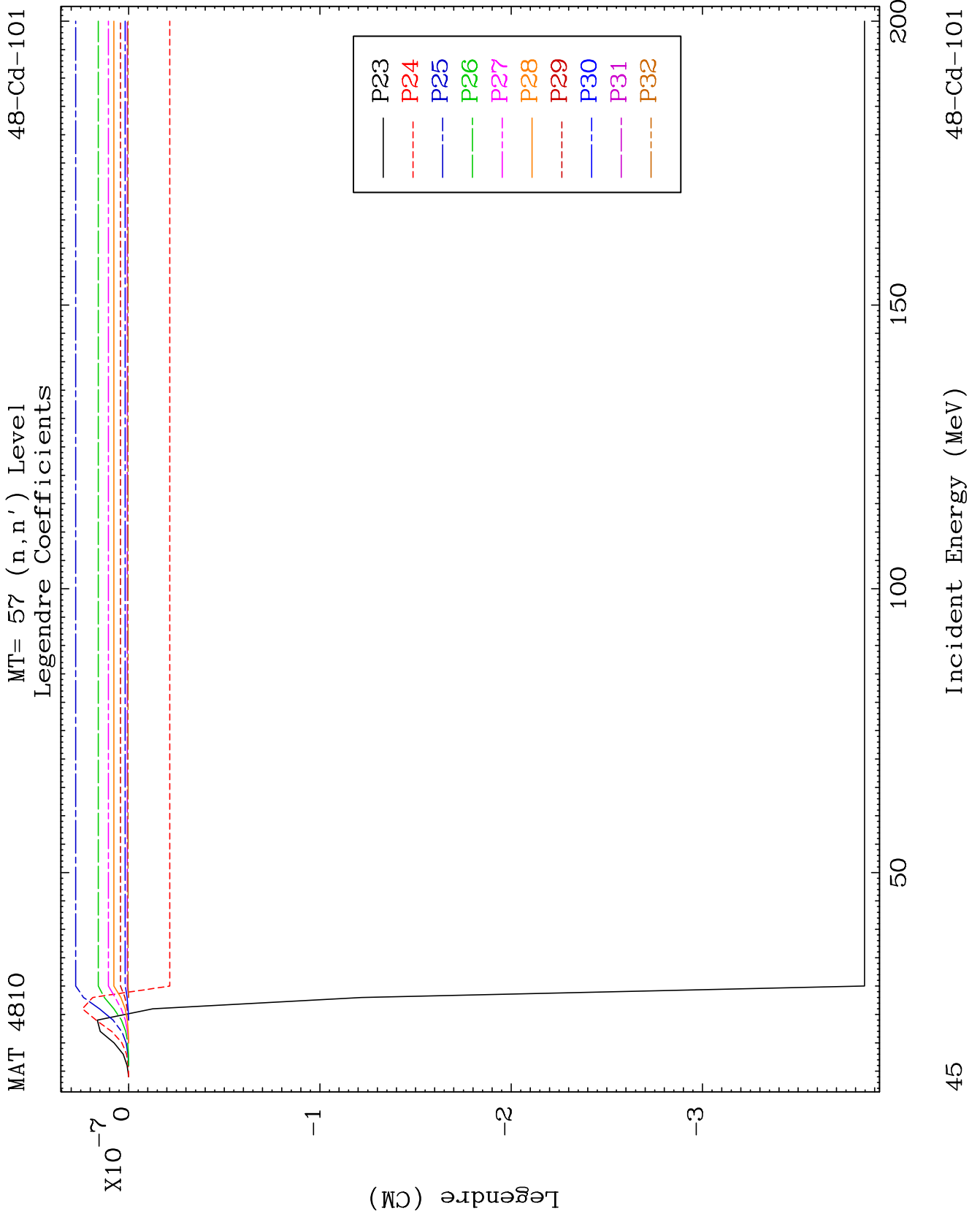
48-Cd-101



44

Incident Energy (MeV)

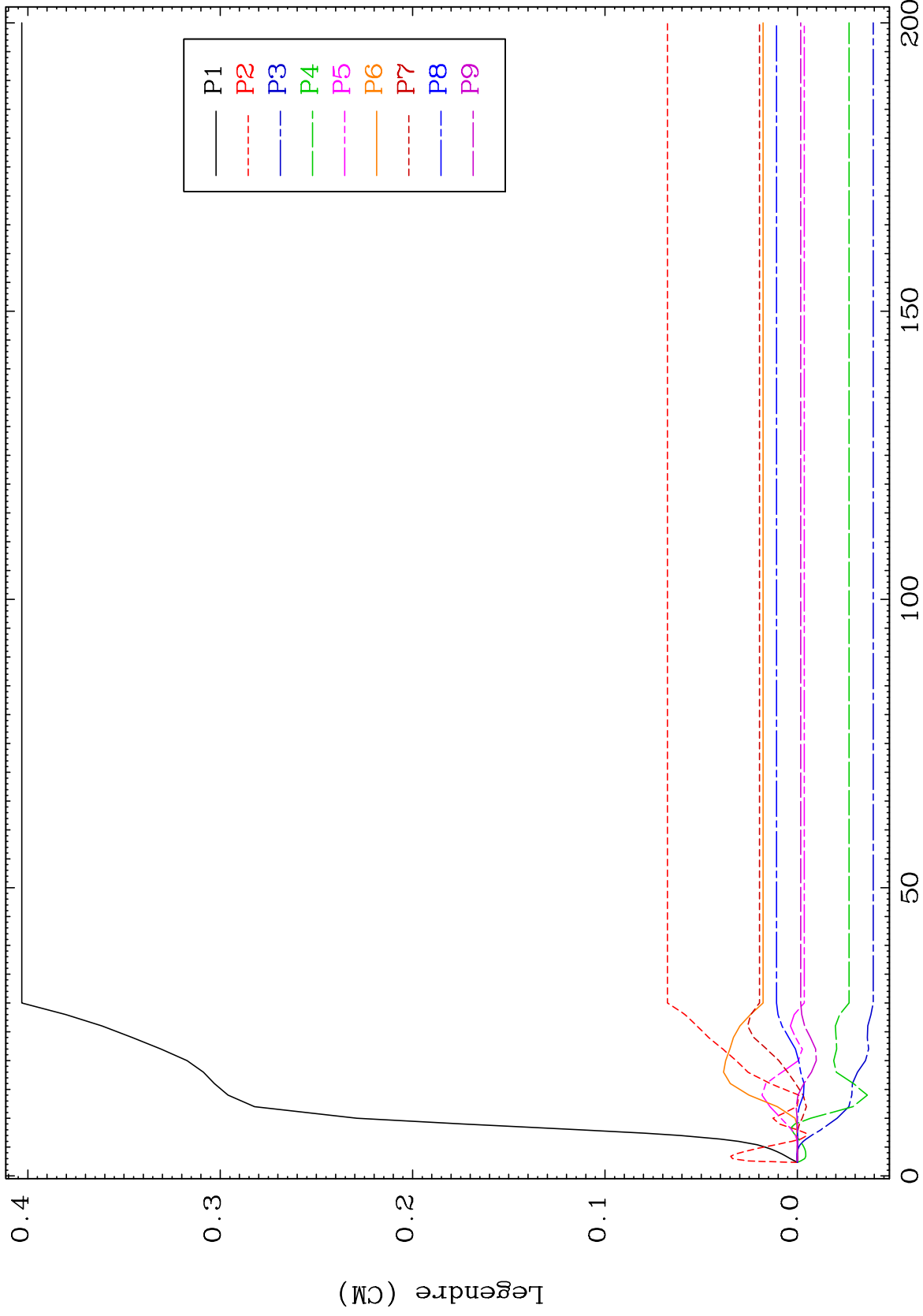
48-Cd-101



MAT 4810

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

48-Cd-101



46

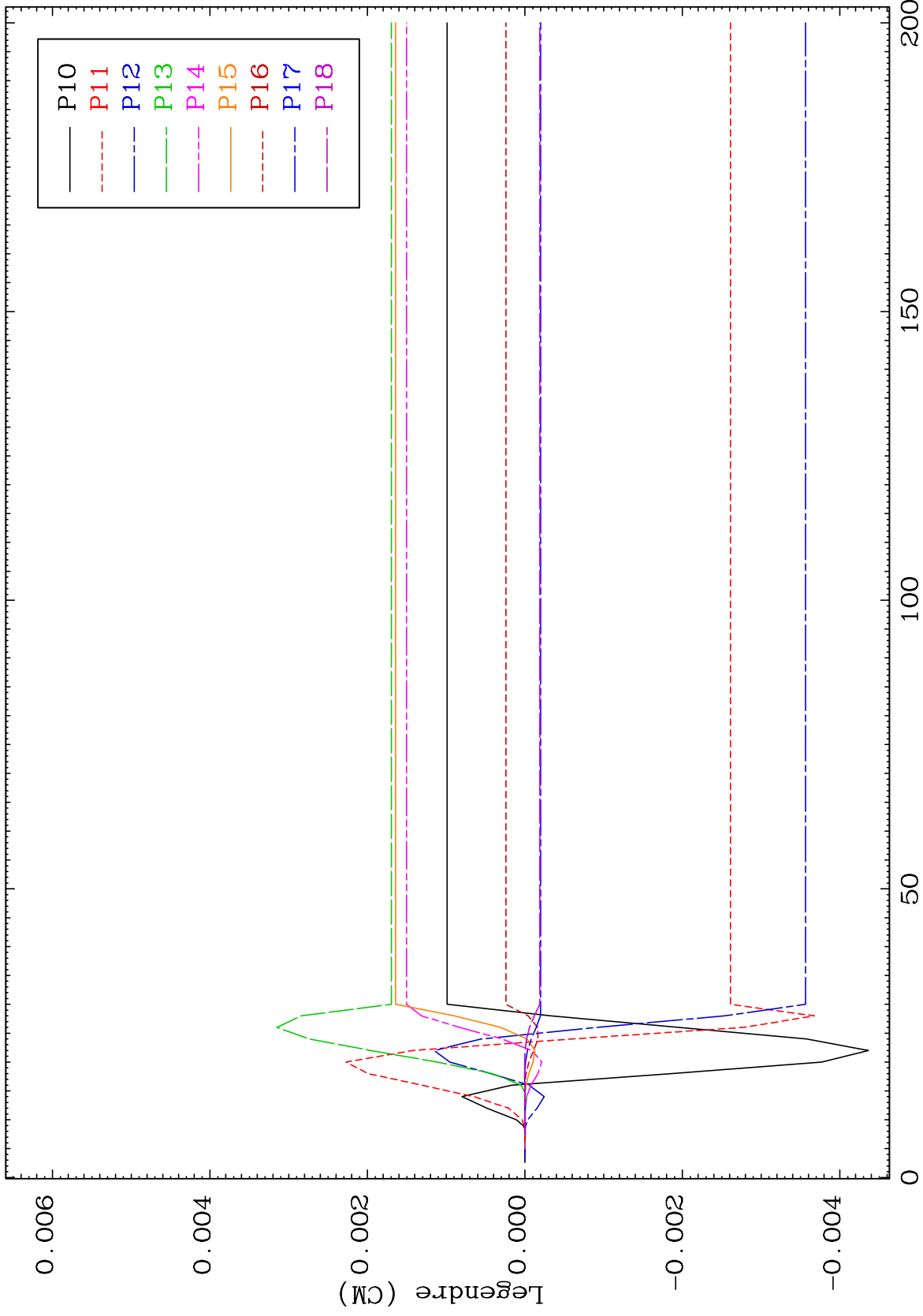
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

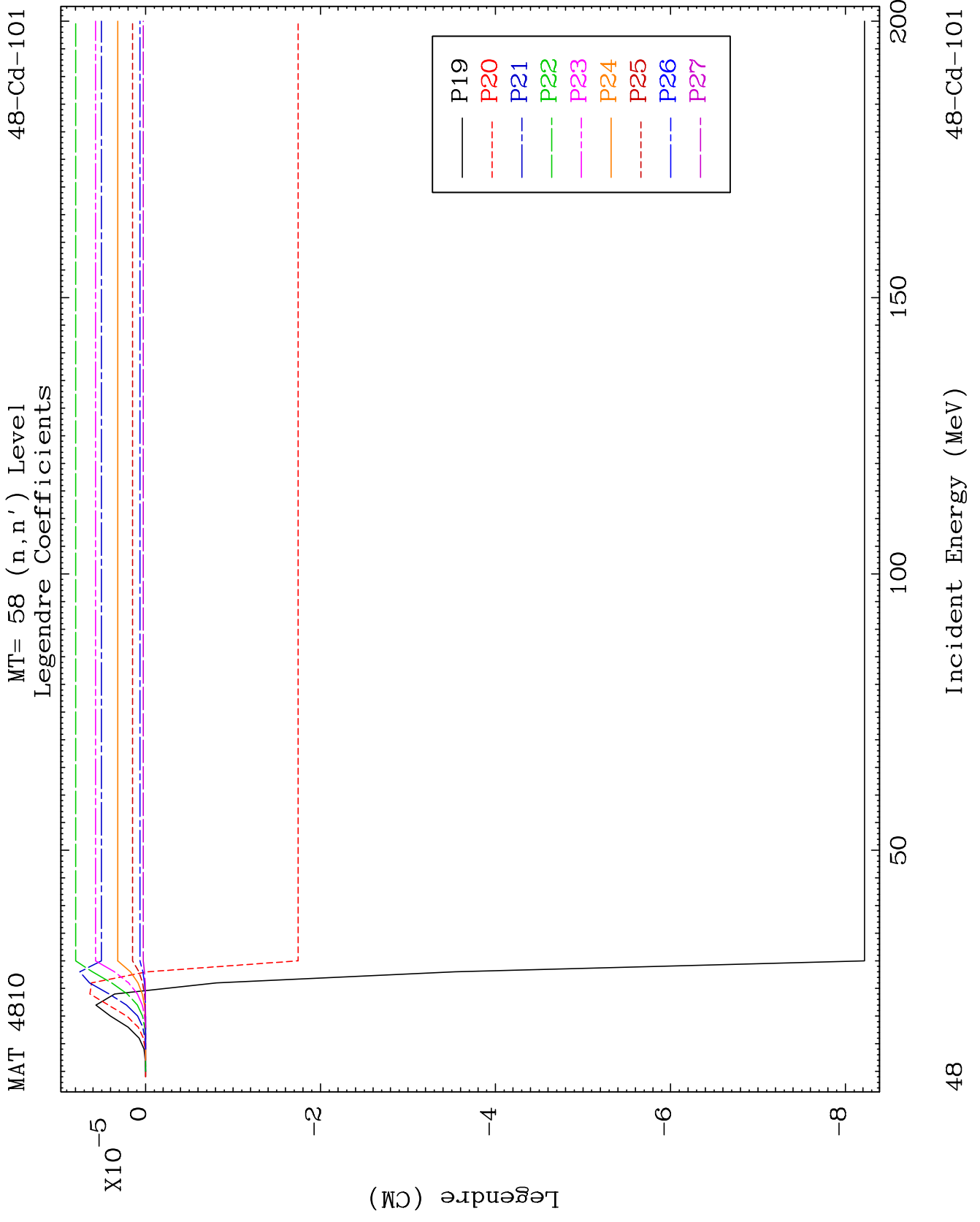
48-Cd-101



47

Incident Energy (MeV)

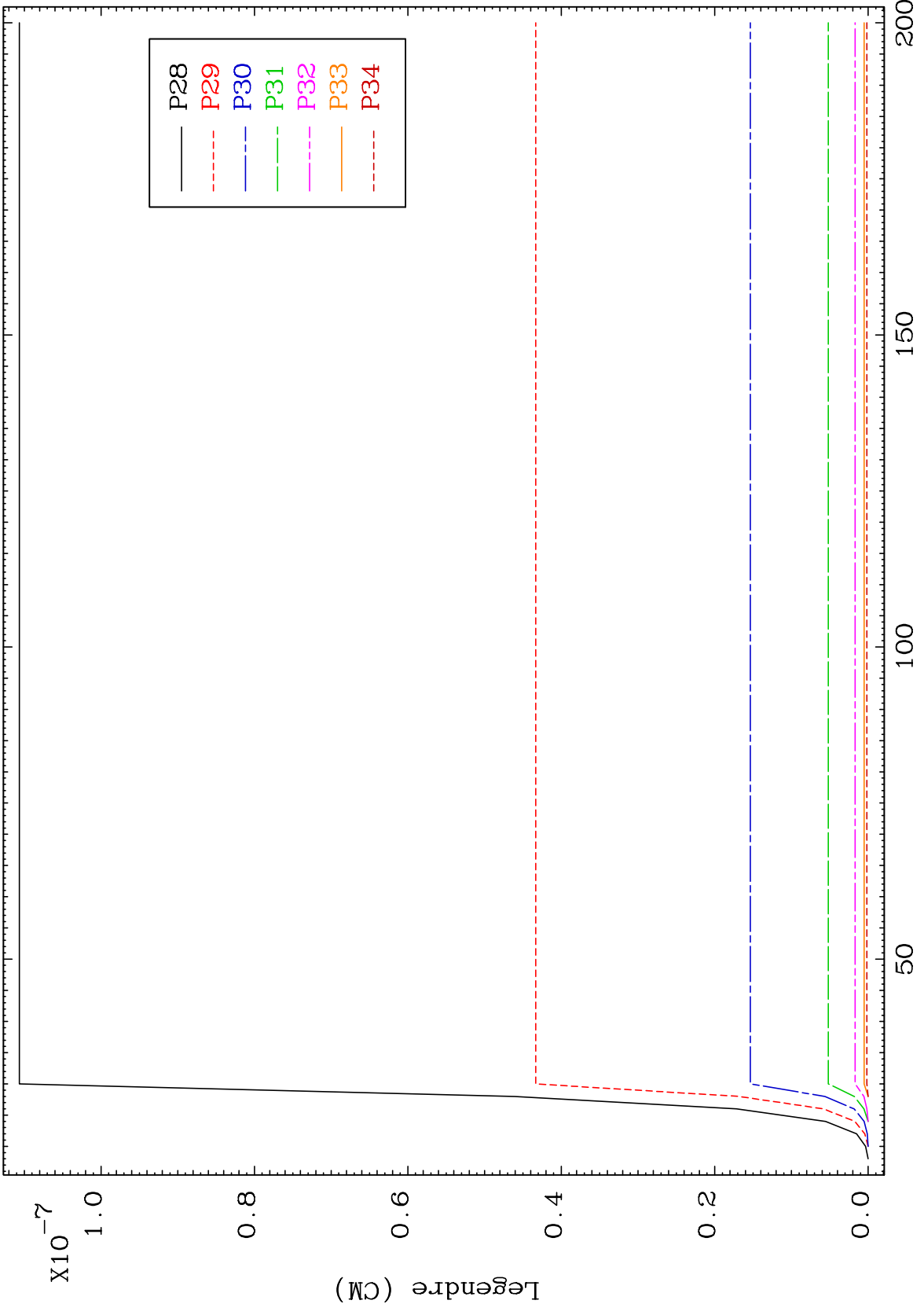
48-Cd-101



MAT 4810

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

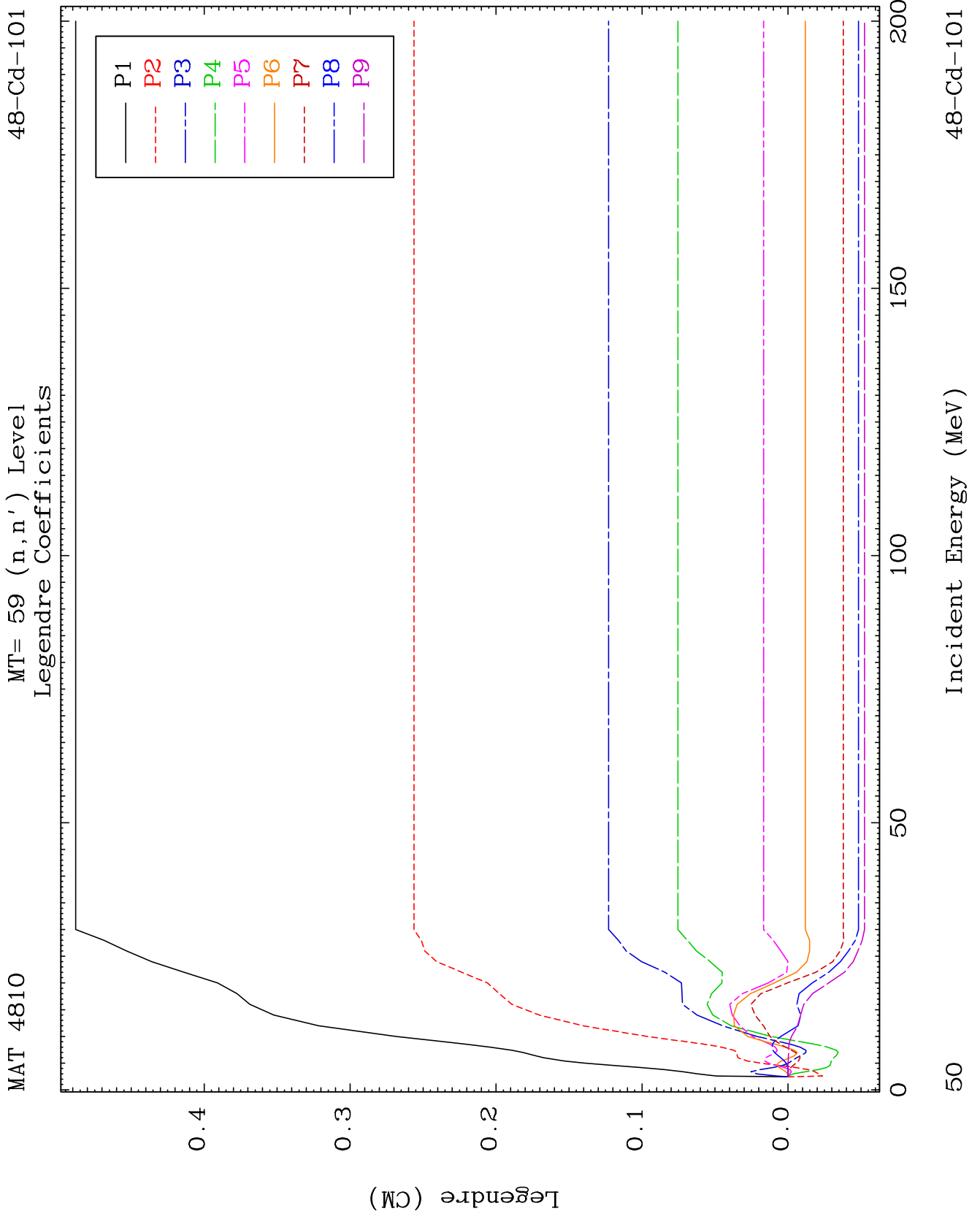
48-Cd-101



49

Incident Energy (MeV)

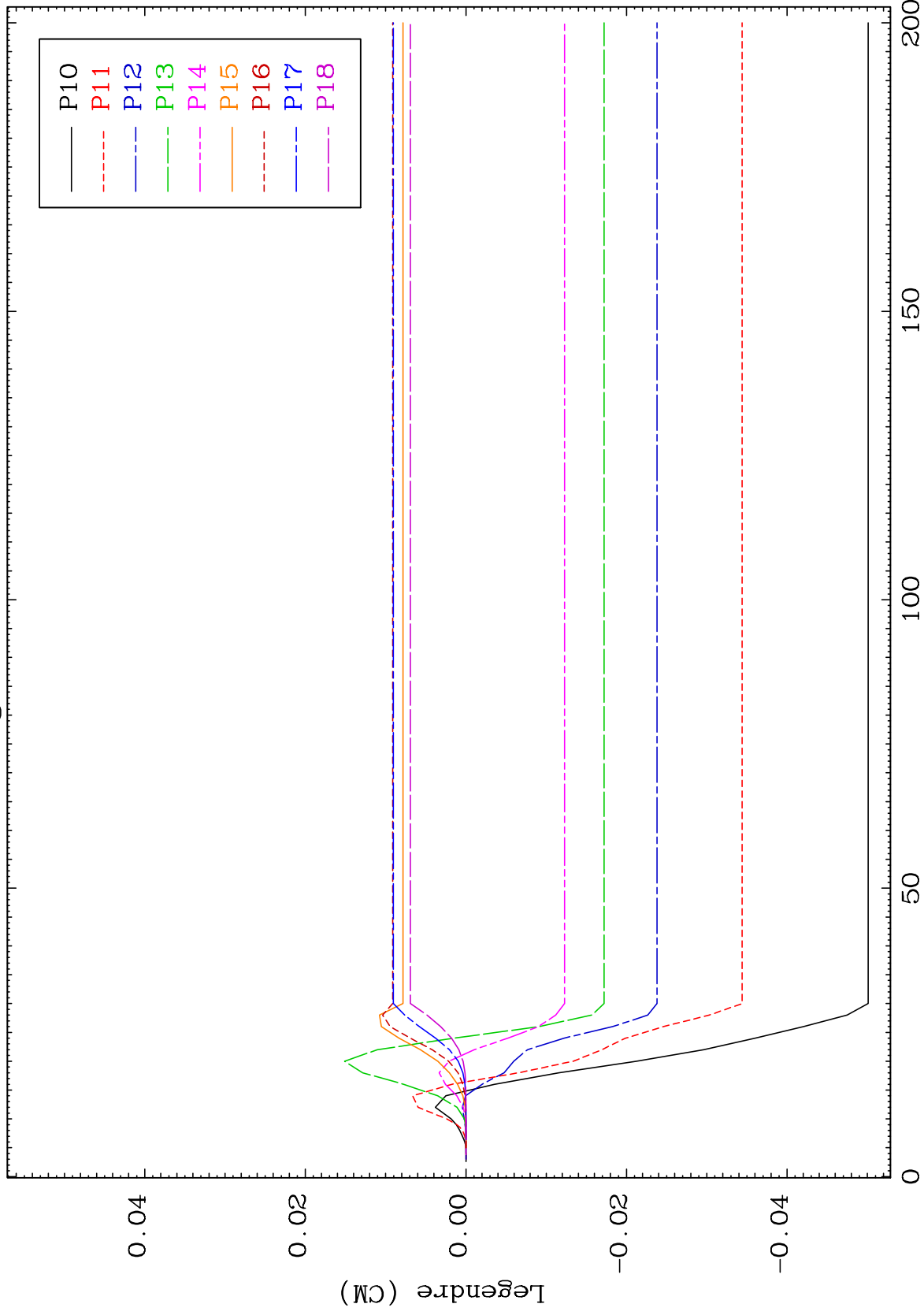
48-Cd-101



MAT 4810

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

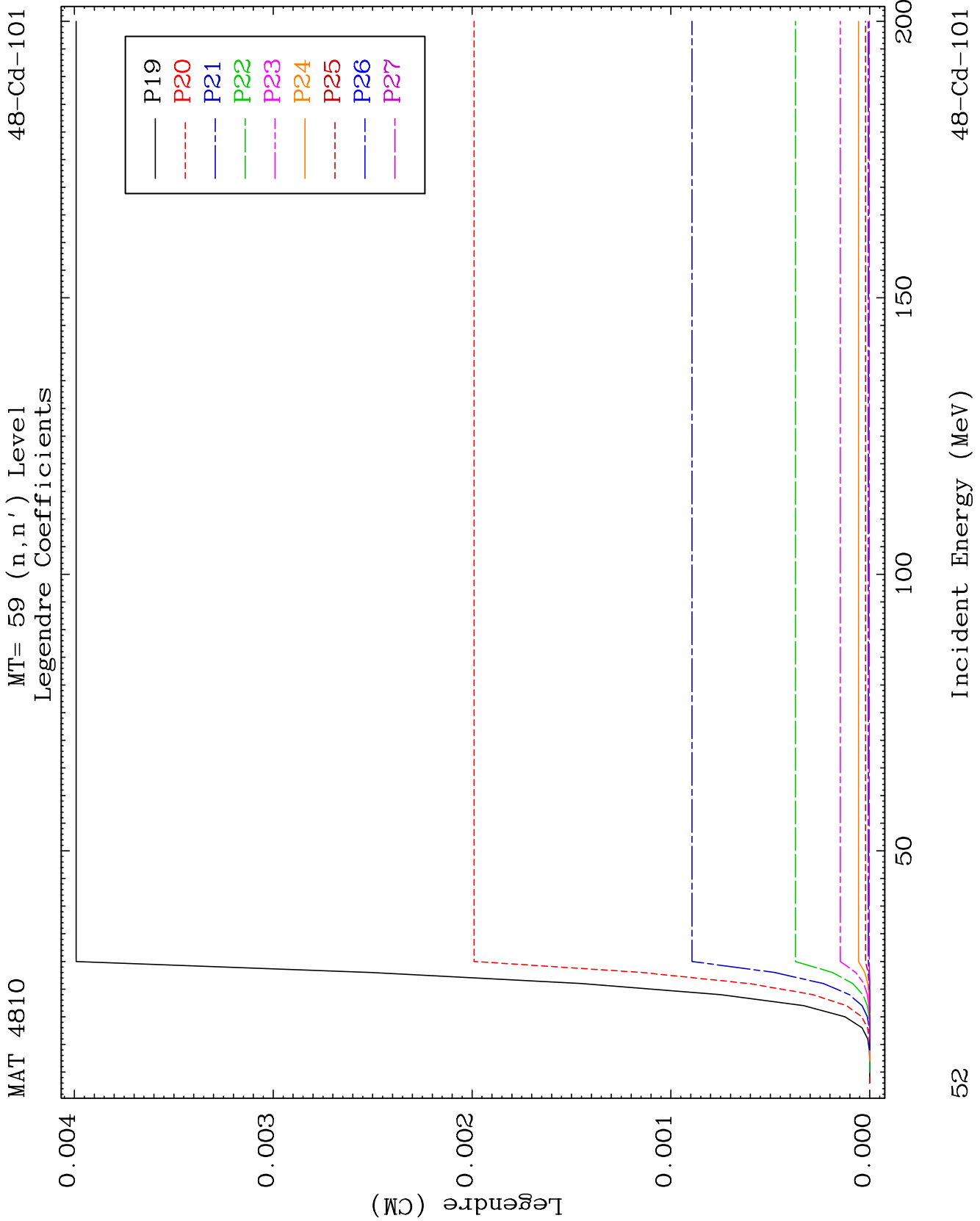
48-Cd-101



51

Incident Energy (MeV)

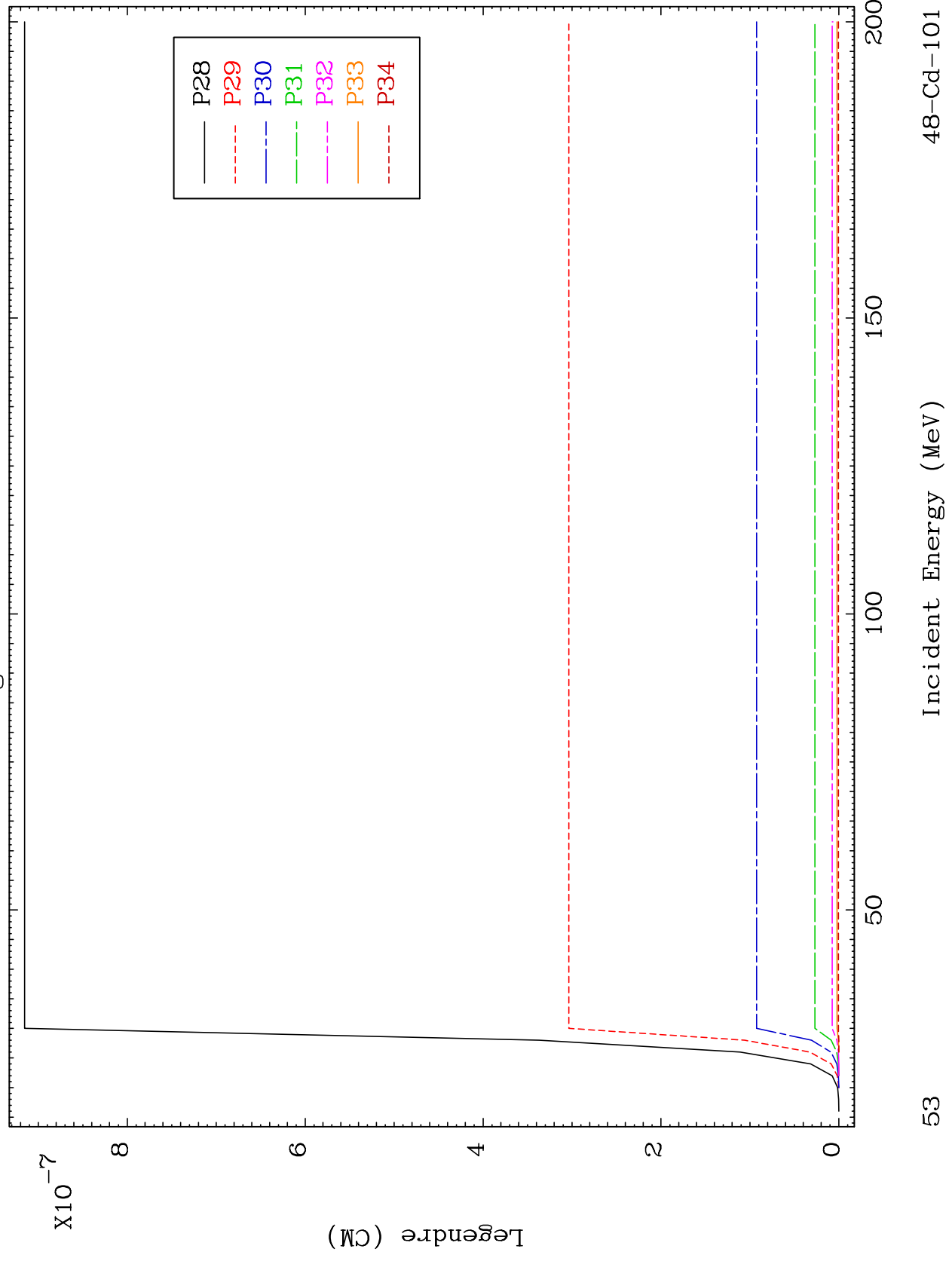
48-Cd-101



MAT 4810

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

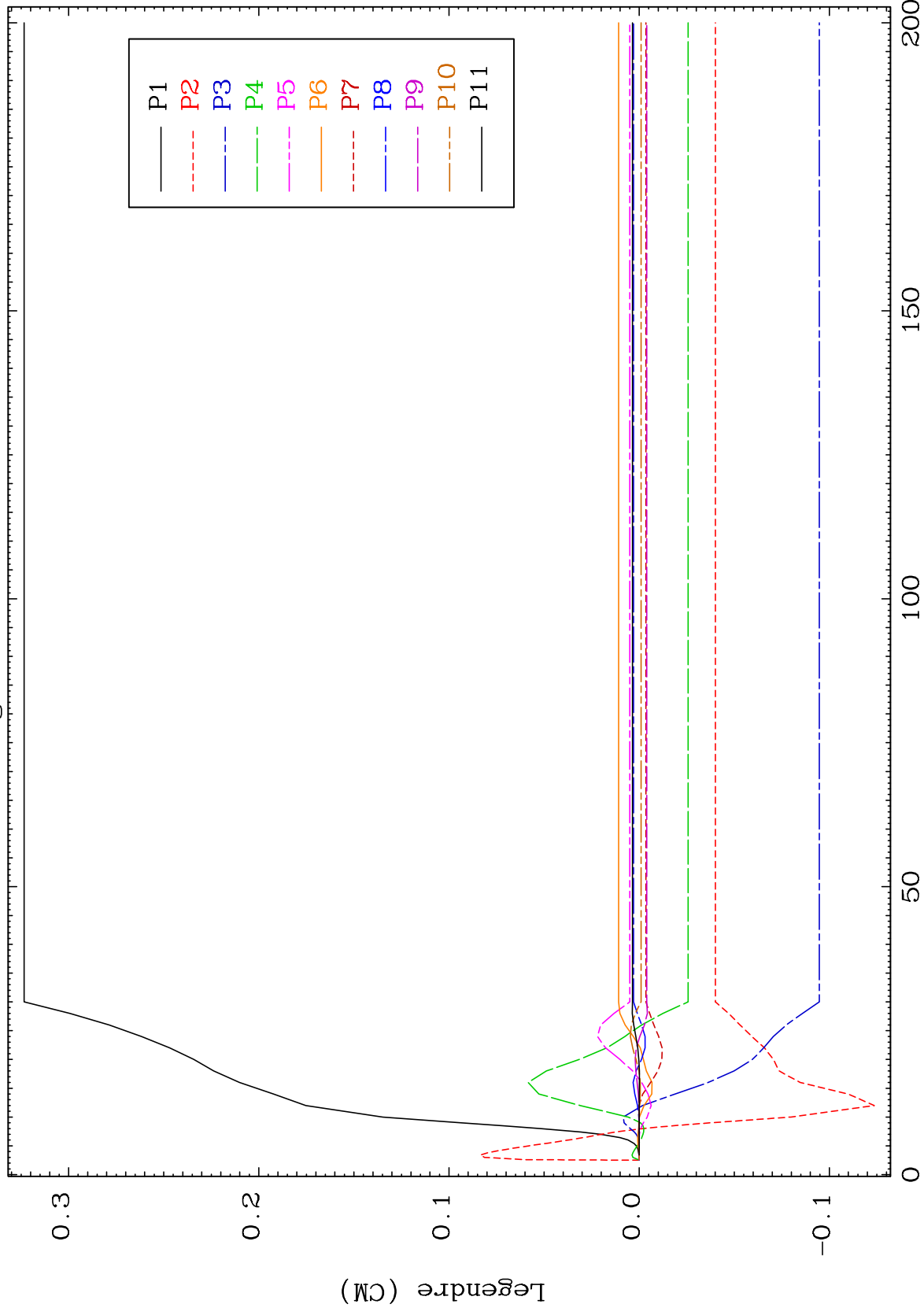
48-Cd-101



MAT 4810

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

48-Cd-101



54

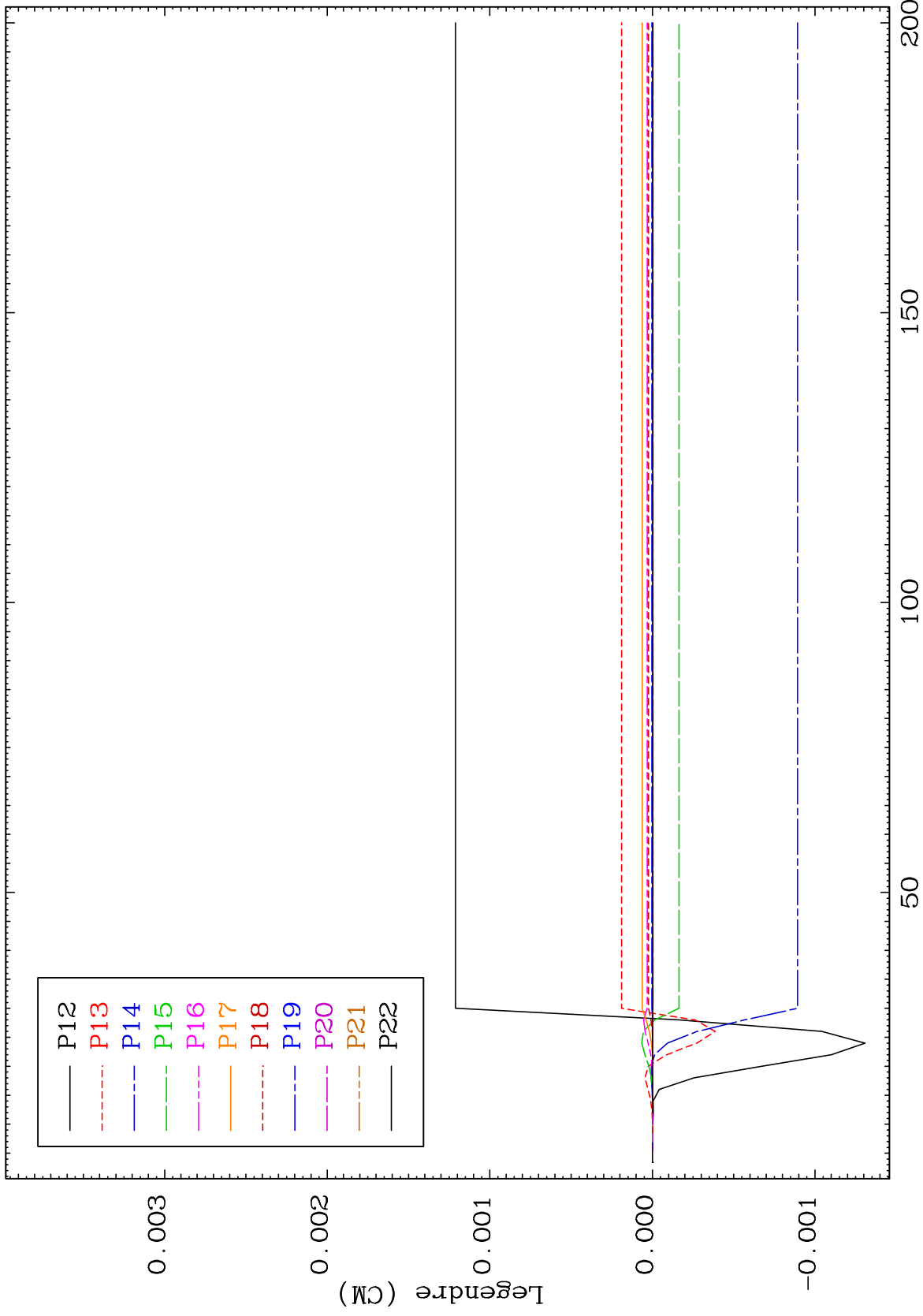
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

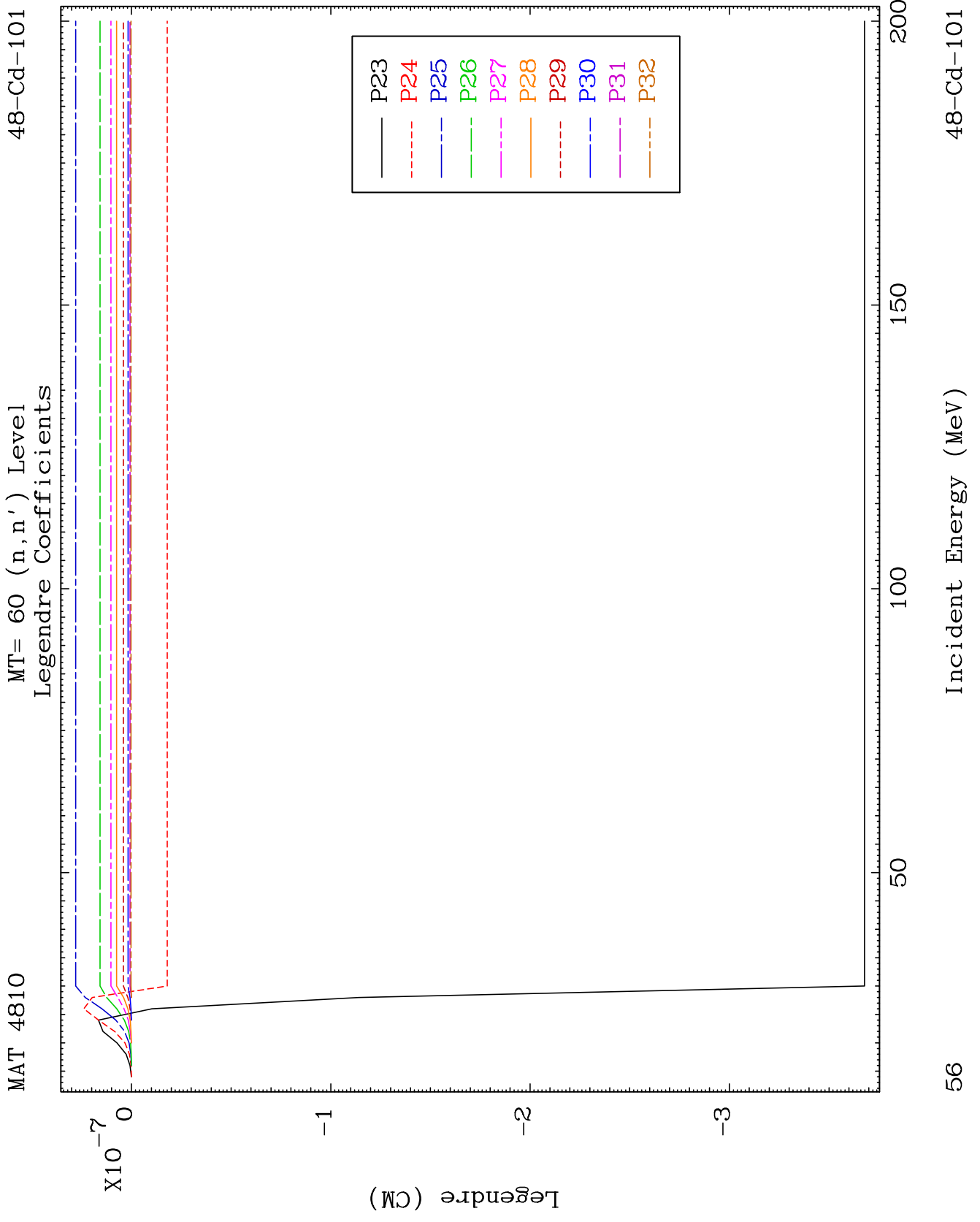
48-Cd-101



55

Incident Energy (MeV)

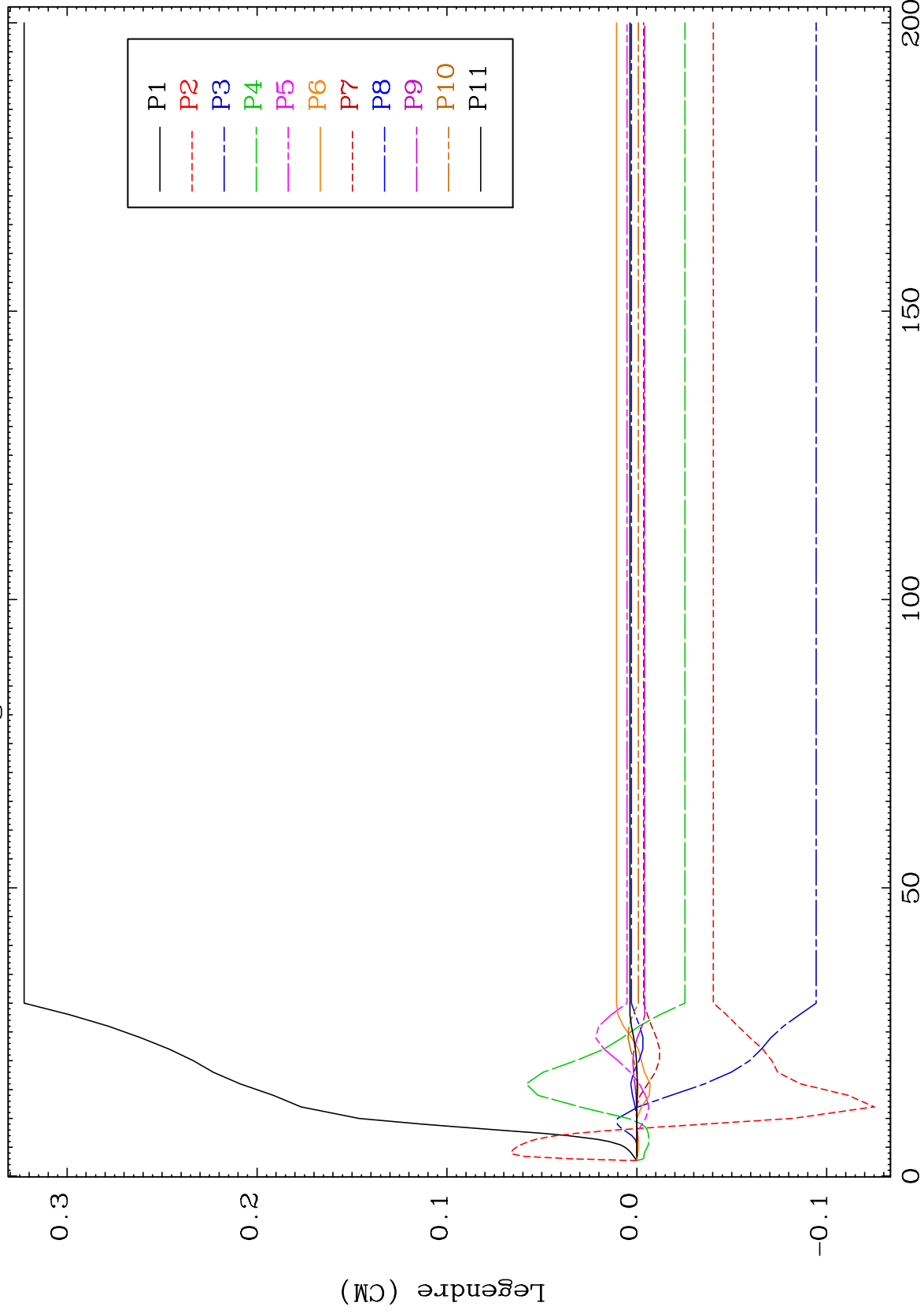
48-Cd-101



MAT 4810

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

48-Cd-101



57

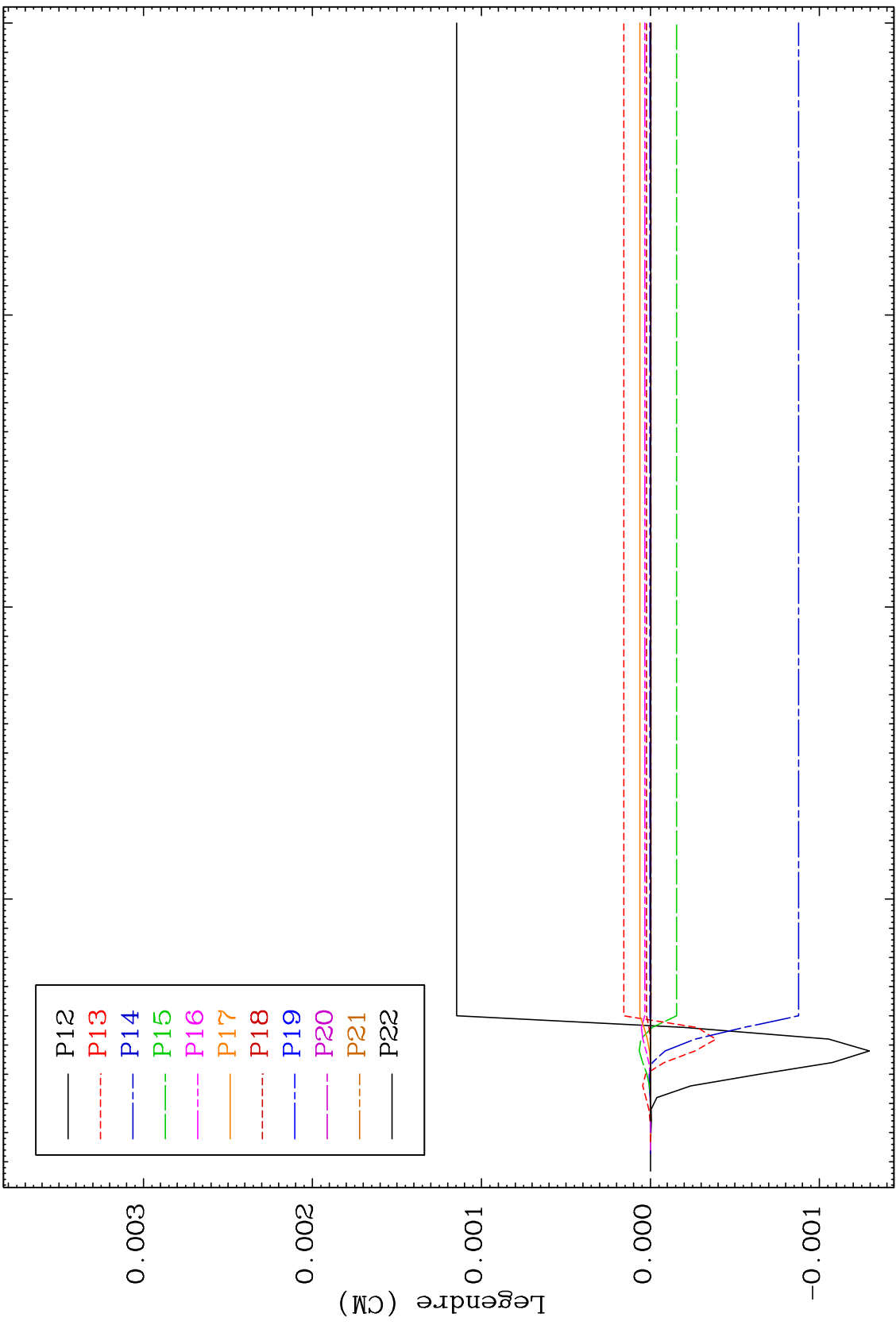
Incident Energy (MeV)

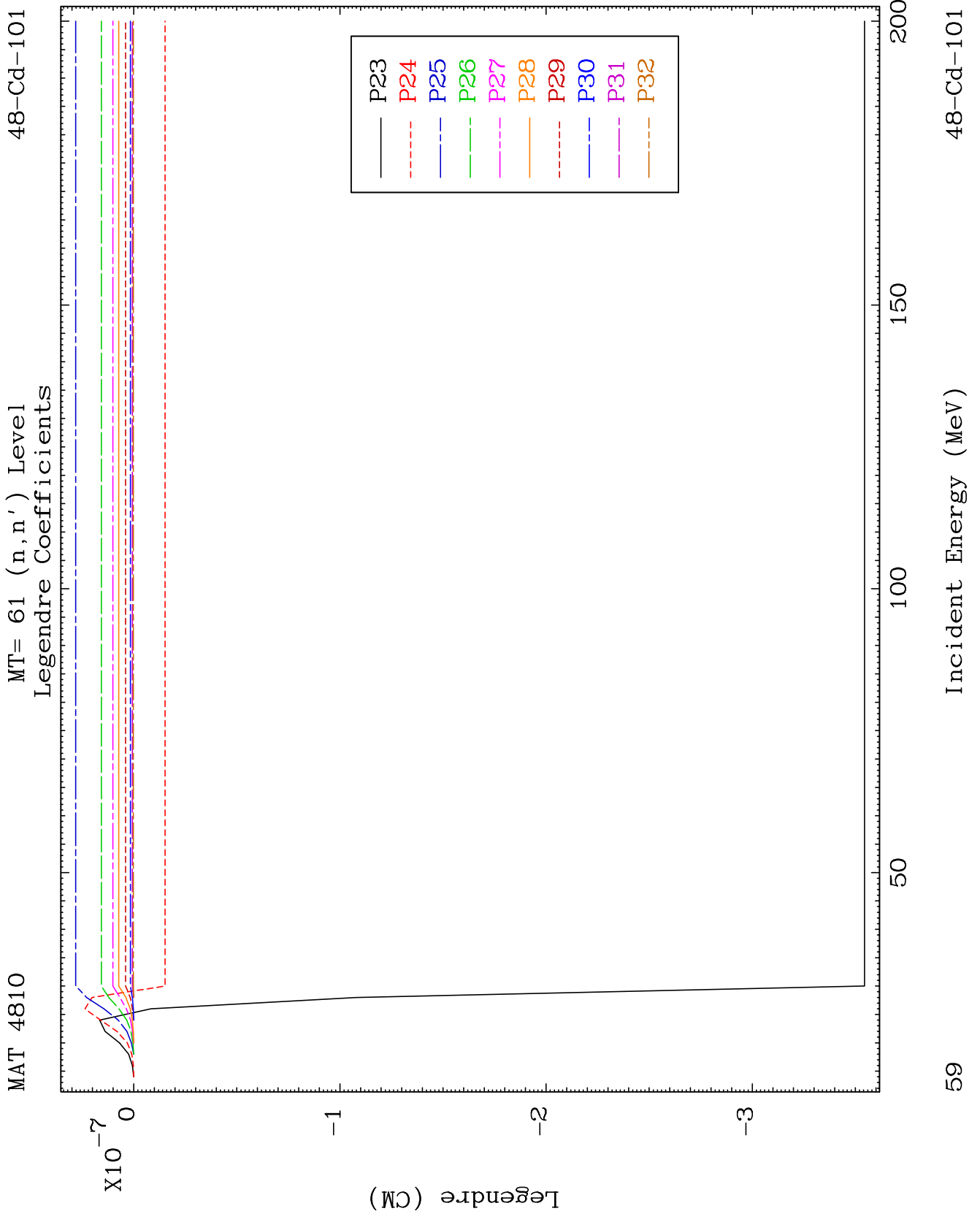
48-Cd-101

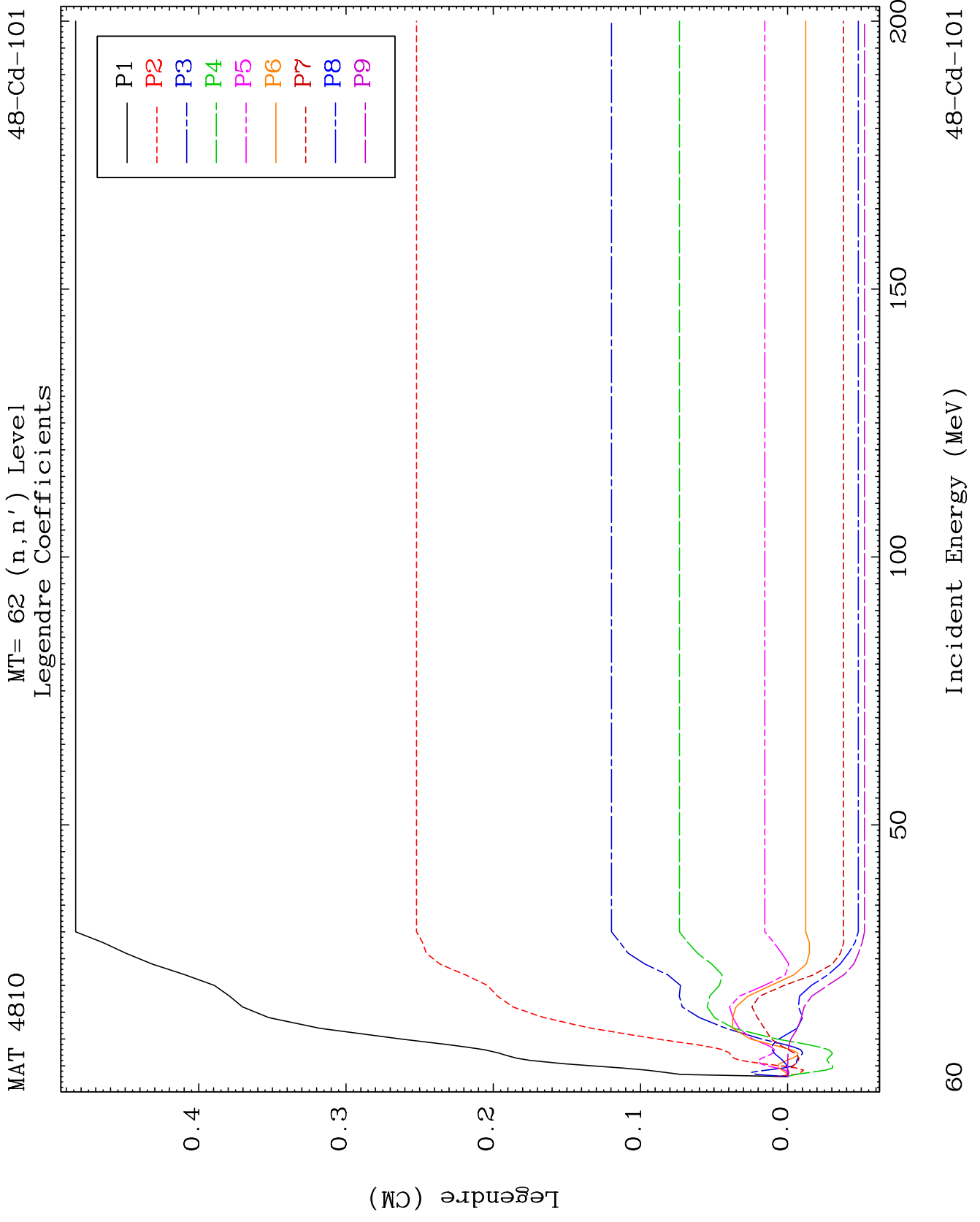
MAT 4810

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

48-Cd-101



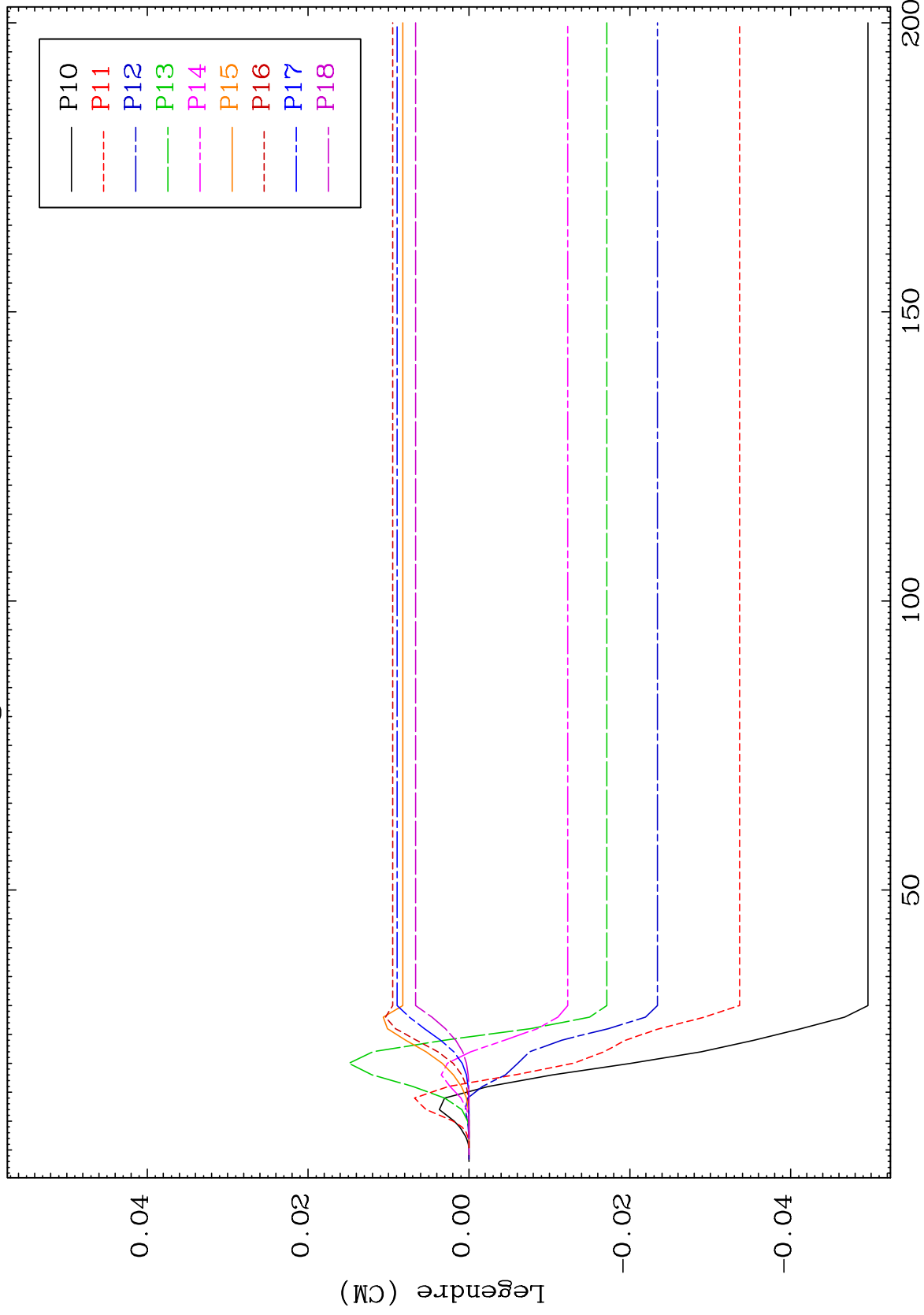




MAT 4810

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

48-Cd-101



61

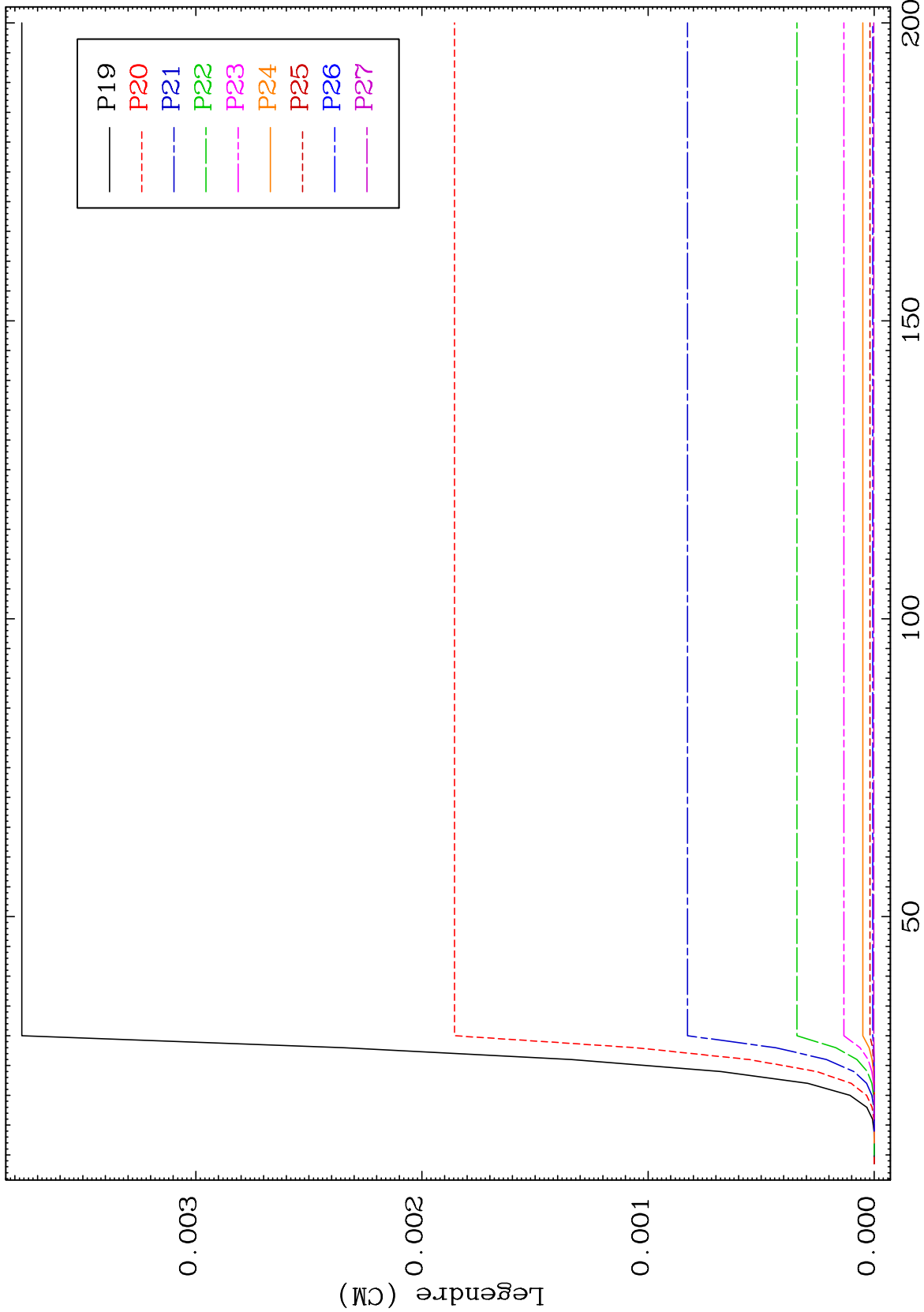
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



62

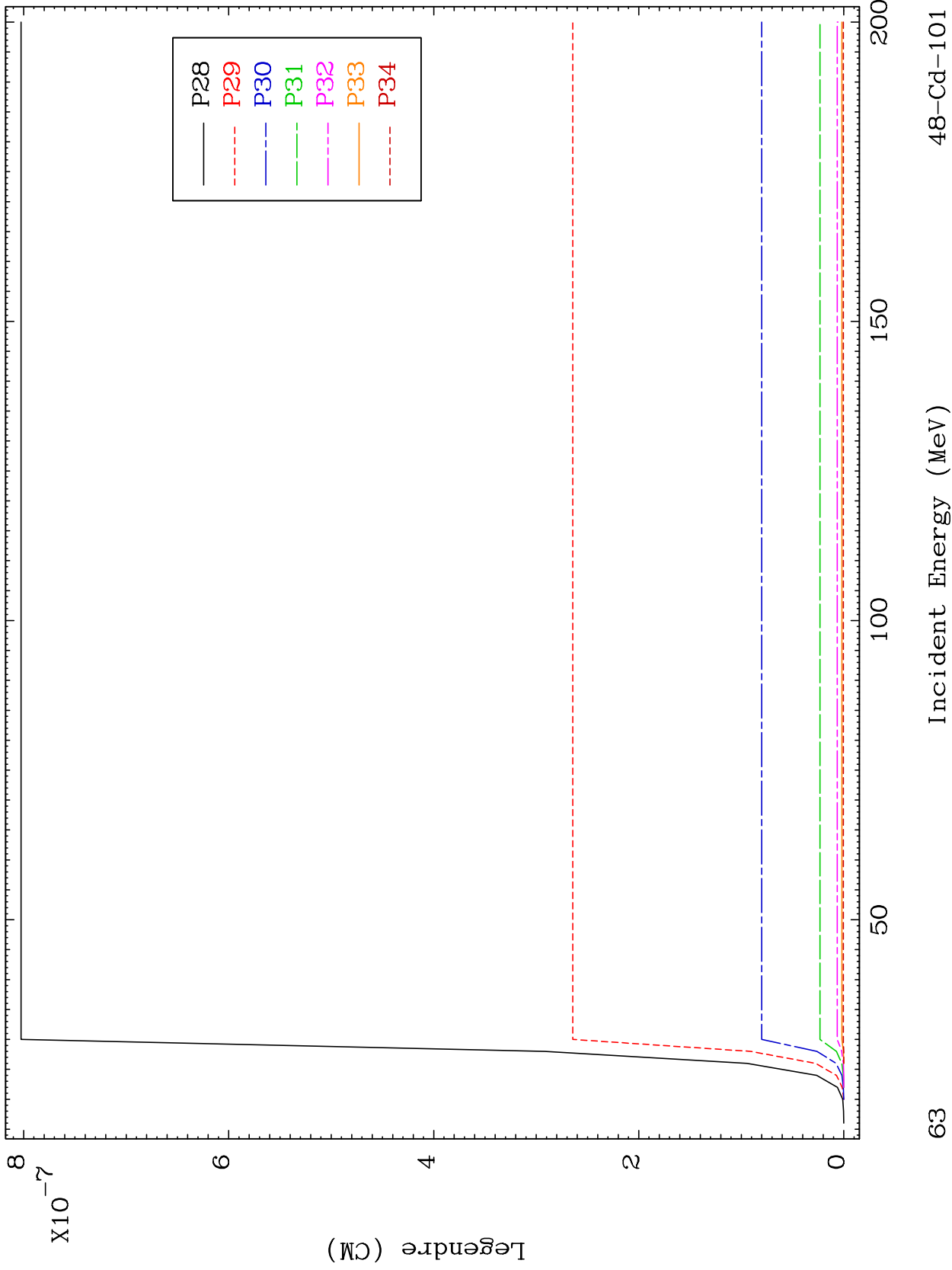
Incident Energy (MeV)

48-Cd-101

MAT 4810

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

48-Cd-101



63

Incident Energy (MeV)

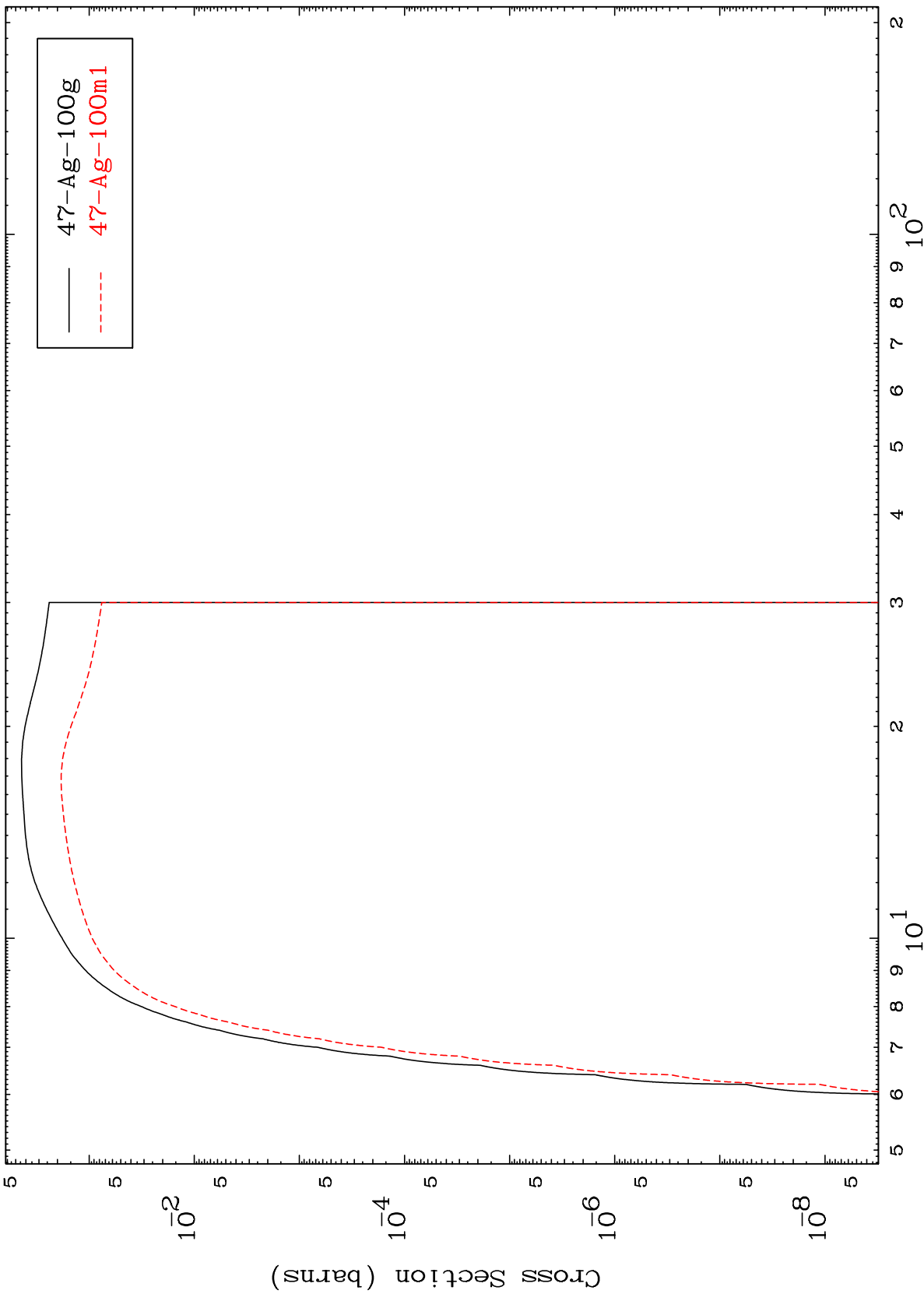
48-Cd-101

MAT 4810

(n,n') p

48-Cd-101

Radionuclide Production Cross Section



64

Incident Energy (MeV)

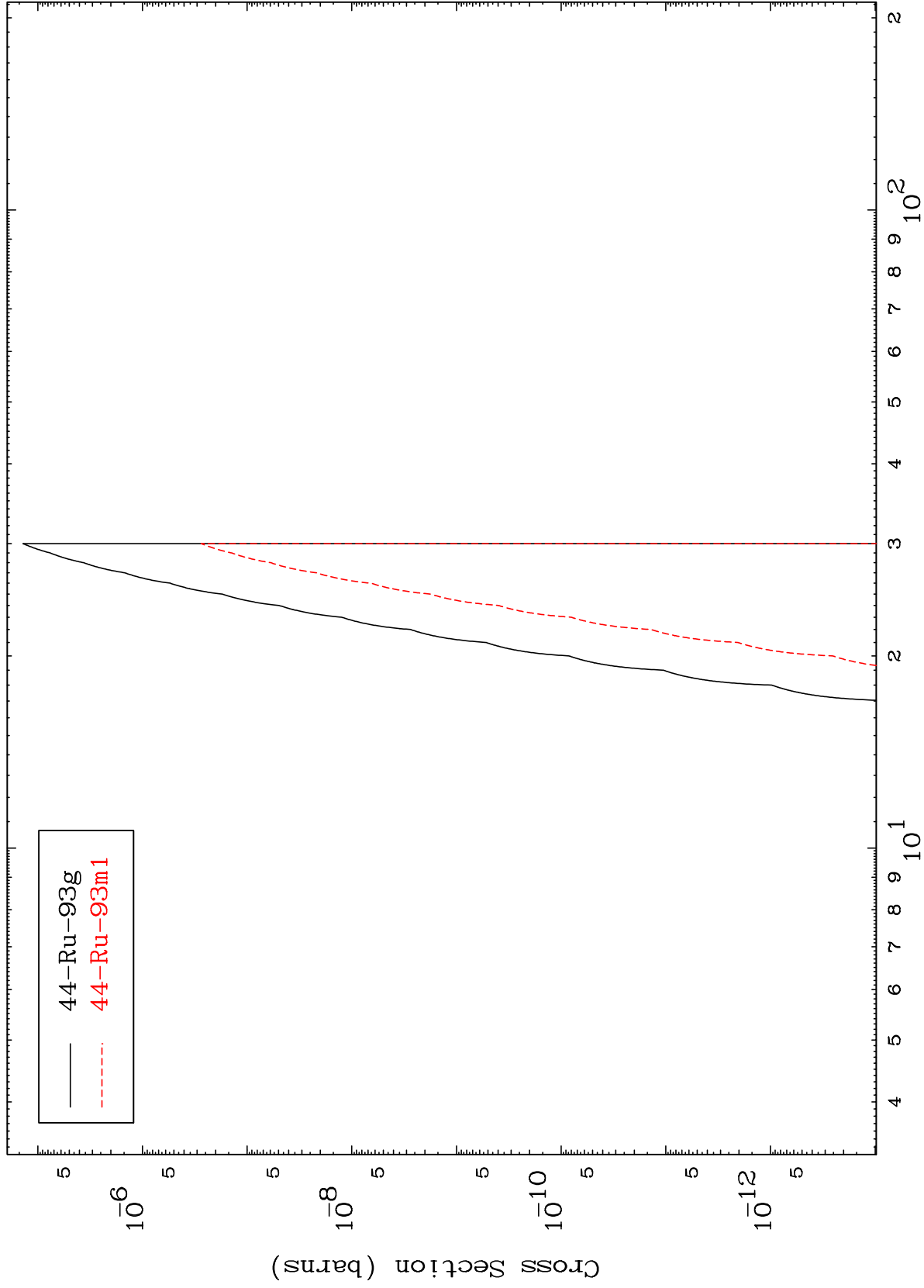
48-Cd-101

MAT 4810

48-Cd-101

(n,n') 2α

Radionuclide Production Cross Section

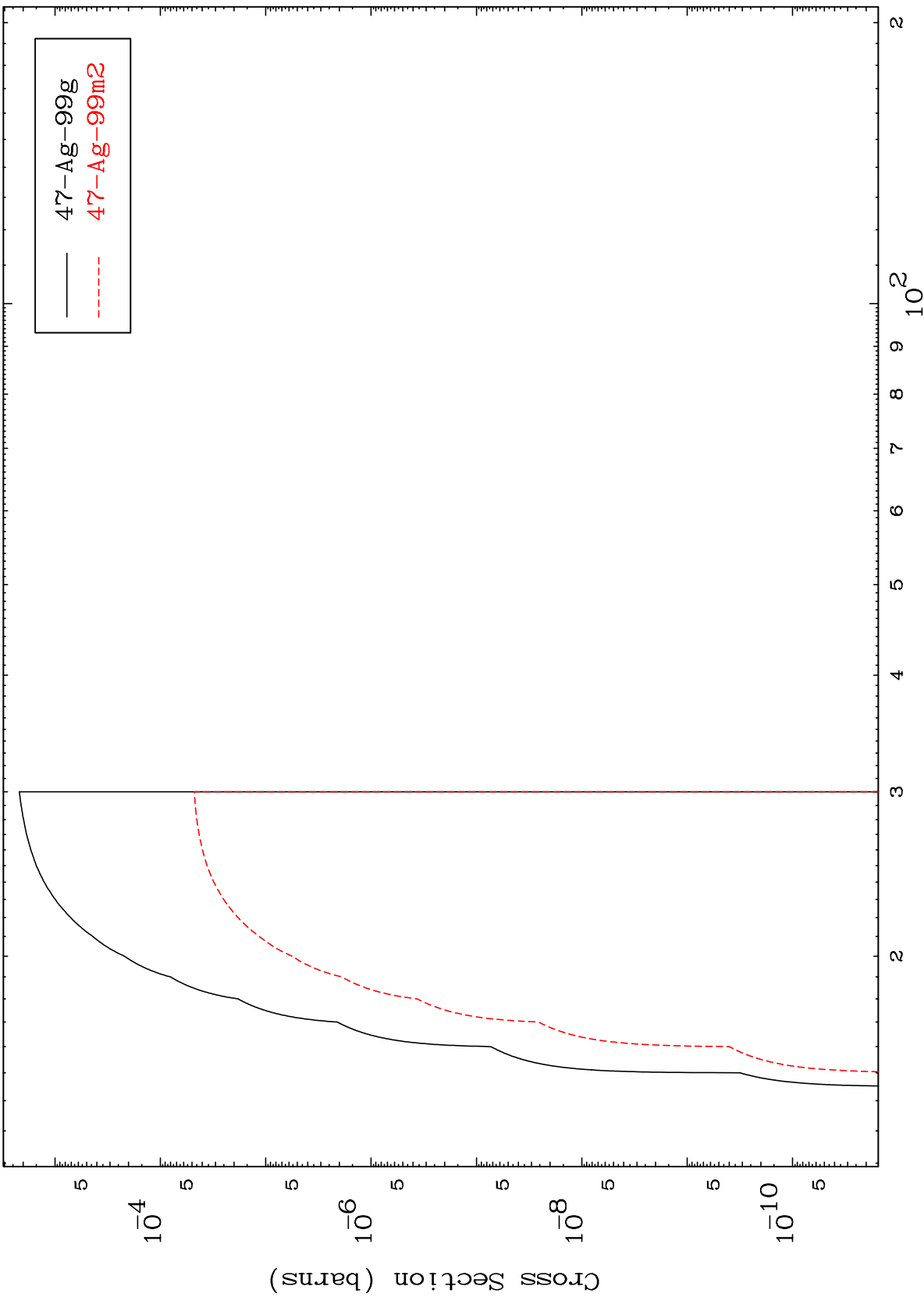


65

Incident Energy (MeV)

48-Cd-101

Radionuclide Production Cross Section

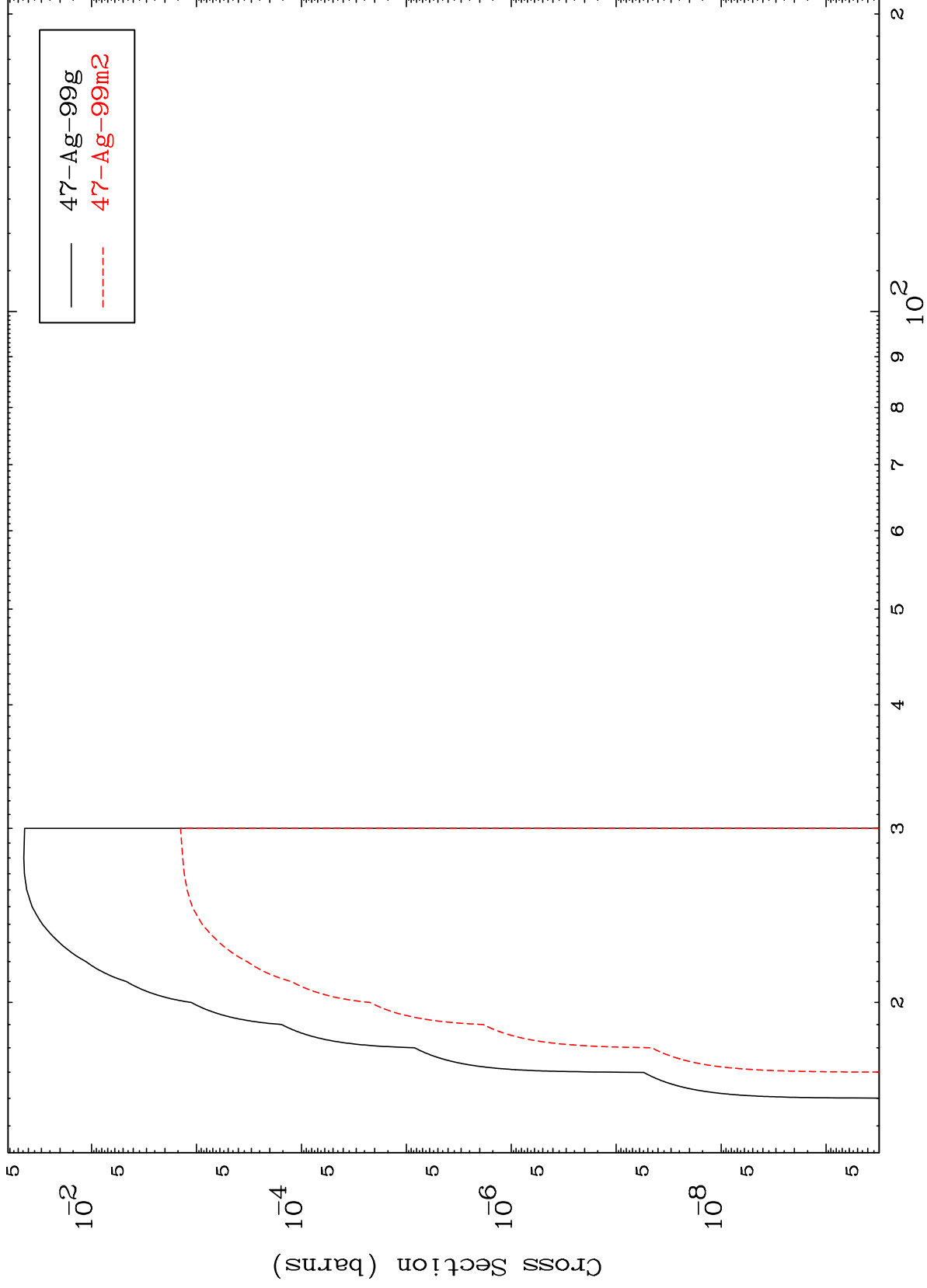


MAT 4810

(n,2n) p

48-Cd-101

Radionuclide Production Cross Section



67

Incident Energy (MeV)

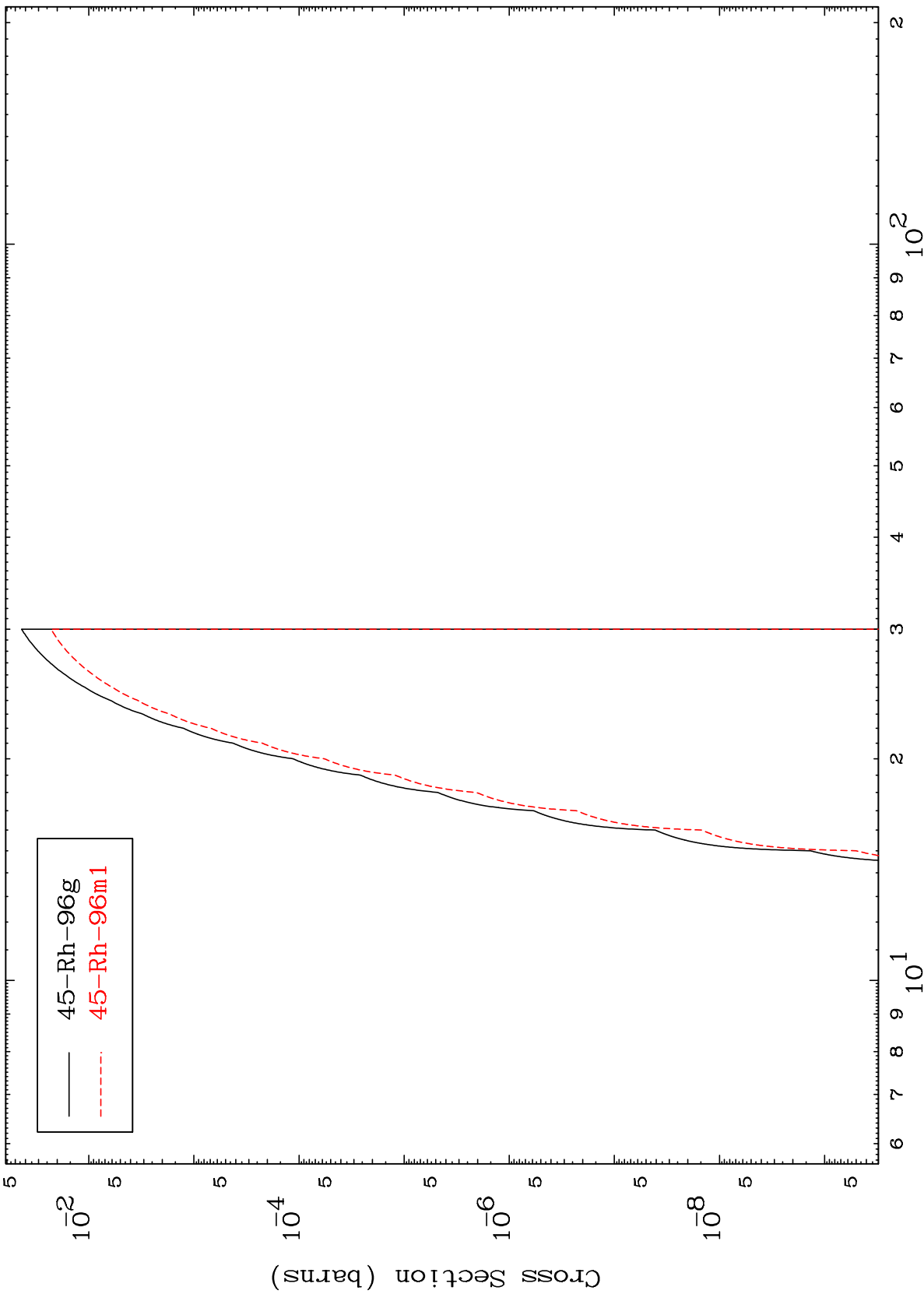
48-Cd-101

MAT 4810

(n,n') p α

48-Cd-101

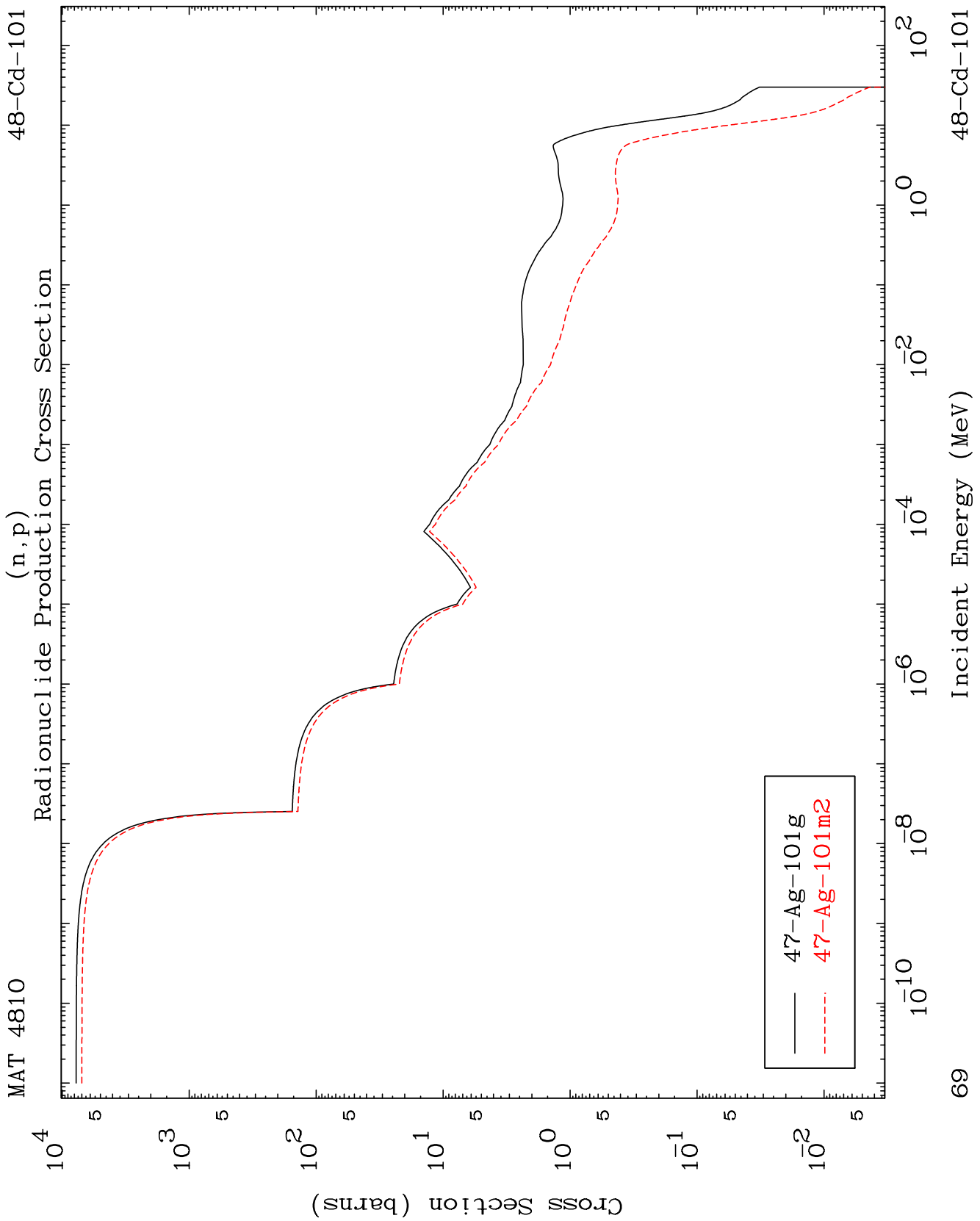
Radionuclide Production Cross Section



68

Incident Energy (MeV)

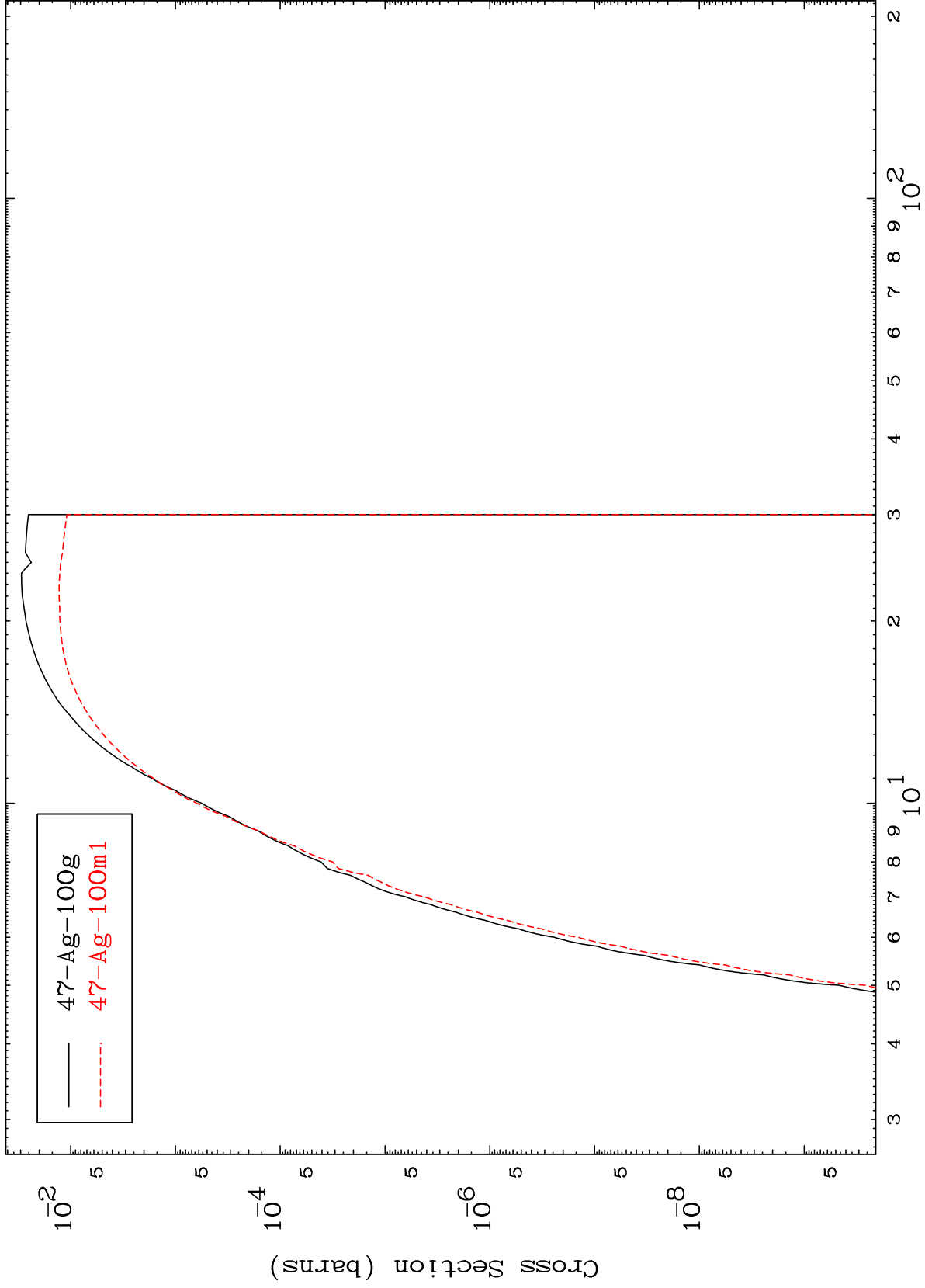
48-Cd-101



MAT 4810

48-Cd-101

(n,d)
Radionuclide Production Cross Section



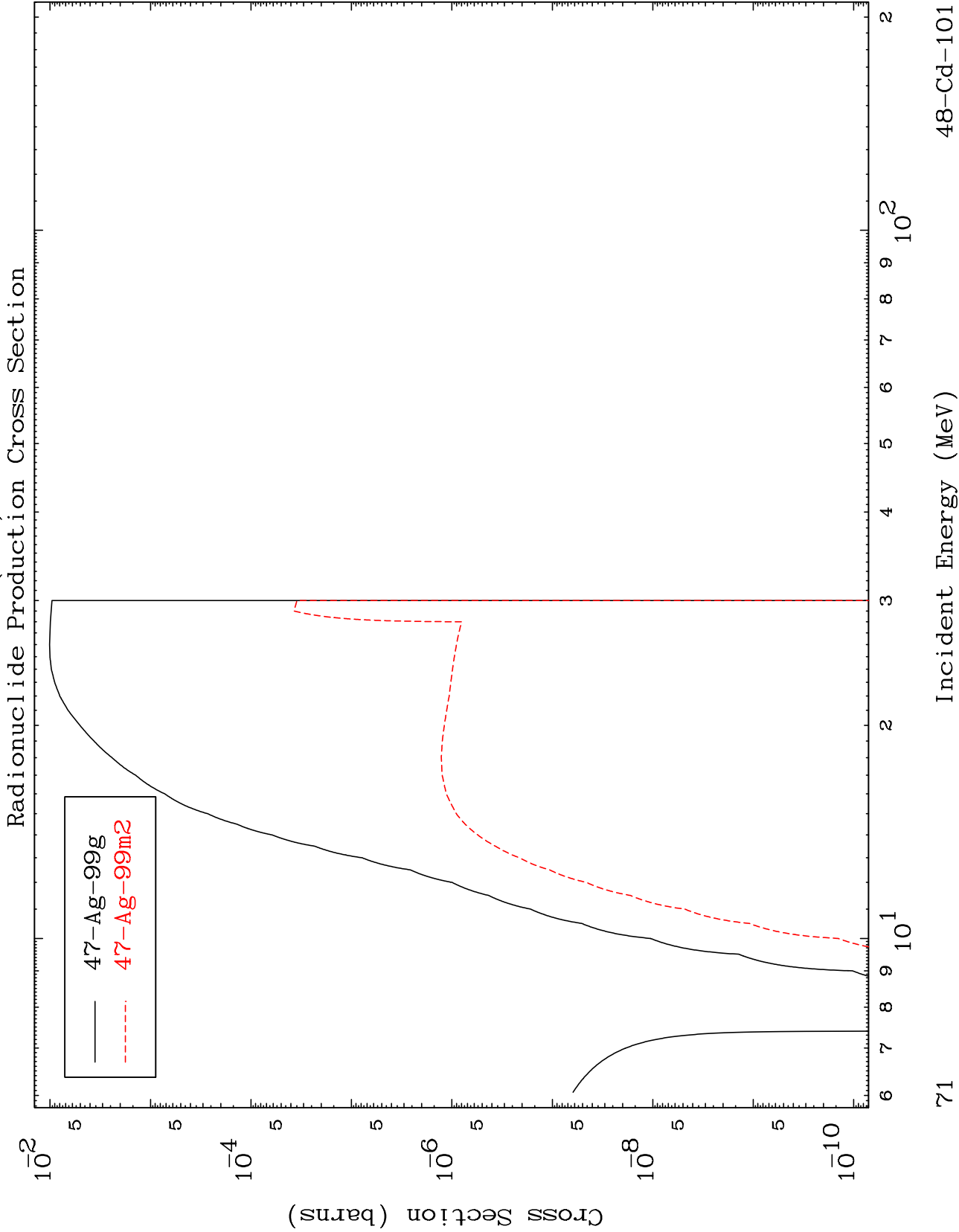
70

Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101



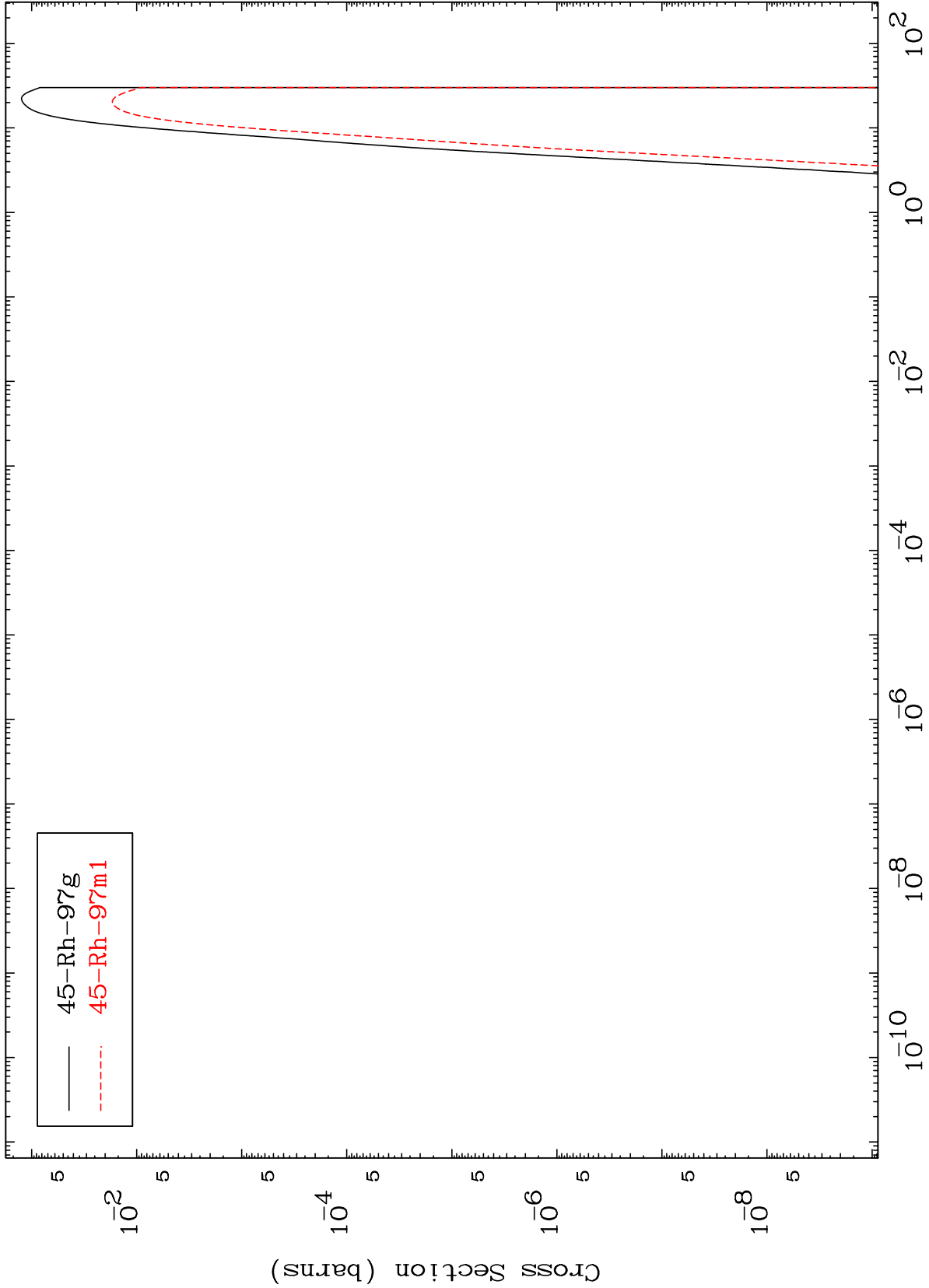
71

MAT 4810

(n,p) α

48-Cd-101

Radionuclide Production Cross Section



72

Incident Energy (MeV)

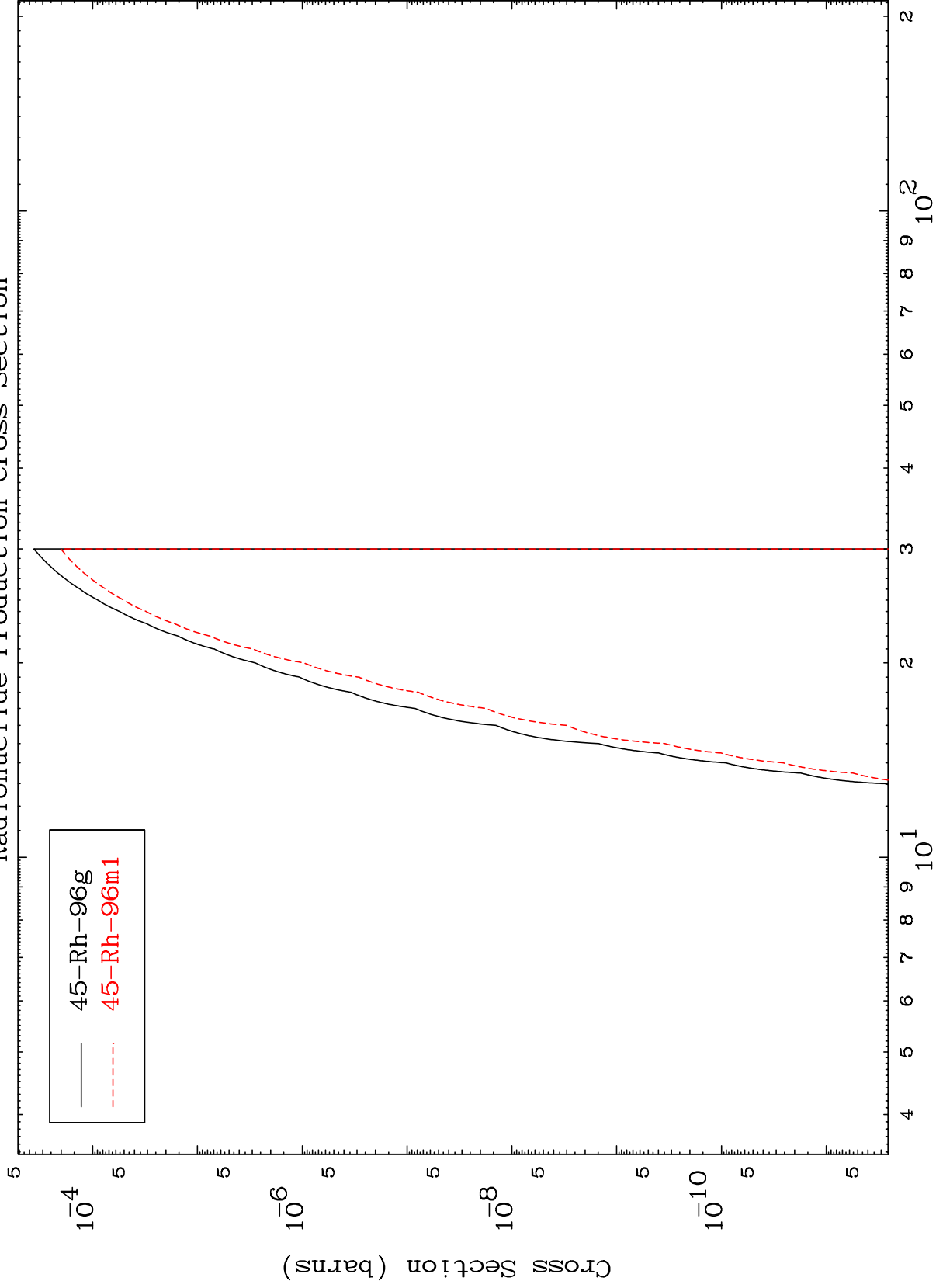
48-Cd-101

MAT 4810

(n,d) α

48-Cd-101

Radionuclide Production Cross Section



73

Incident Energy (MeV)

48-Cd-101