

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

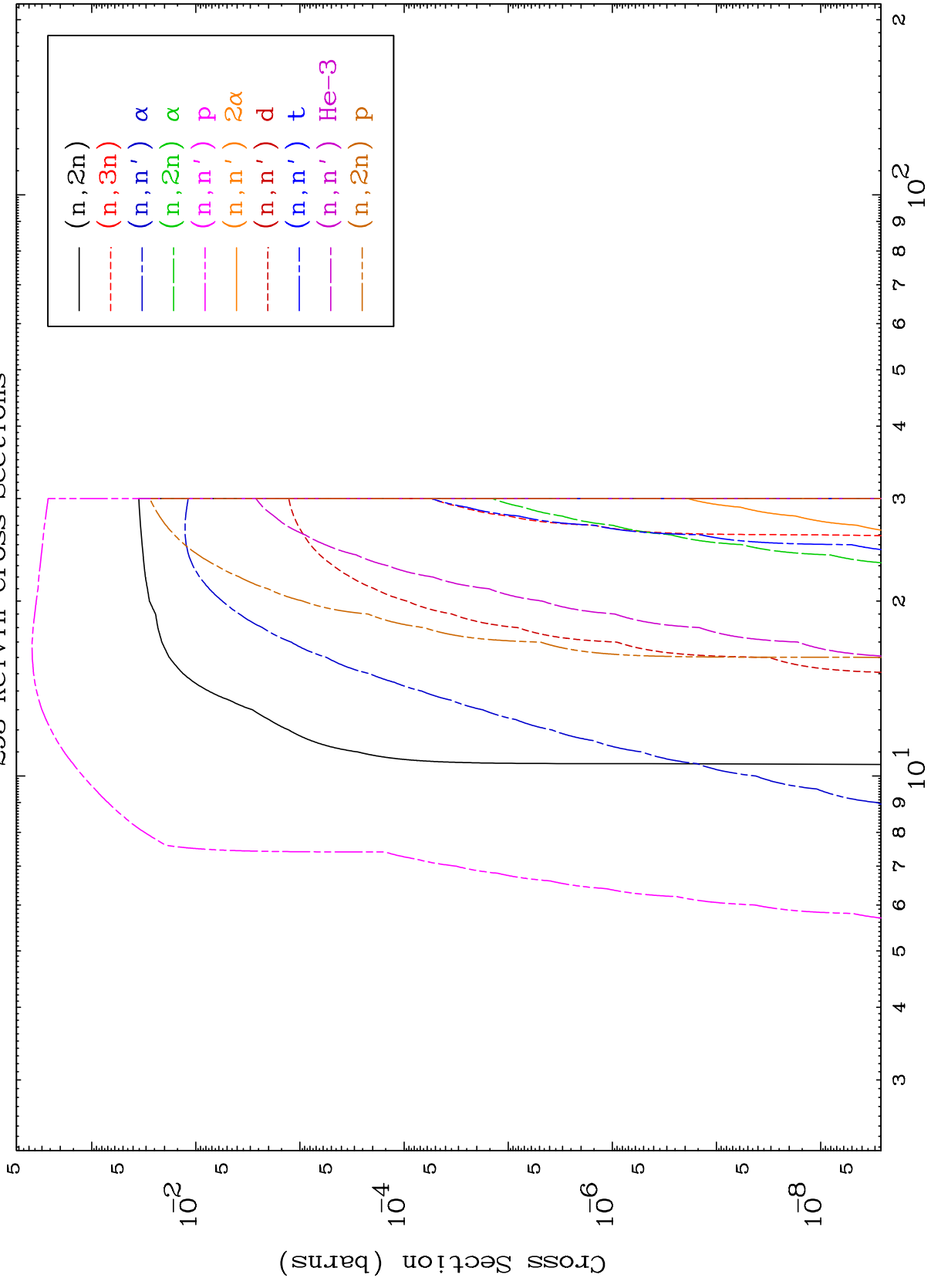
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4804

Neutron Production 293 Kelvin Cross Sections

48-Cd-99



2

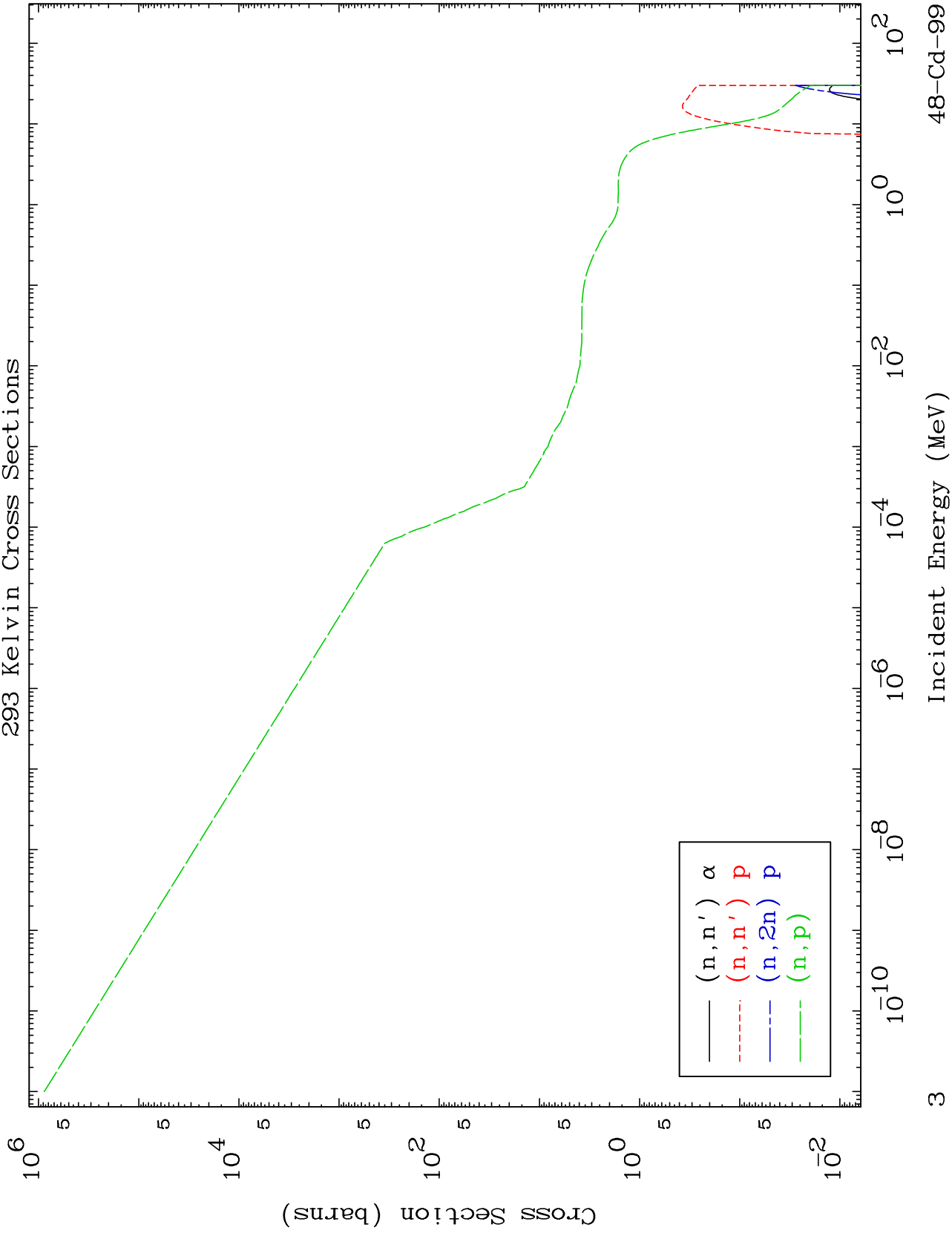
Incident Energy (MeV)

48-Cd-99

MAT 4804

Charged Particle
293 Kelvin Cross Sections

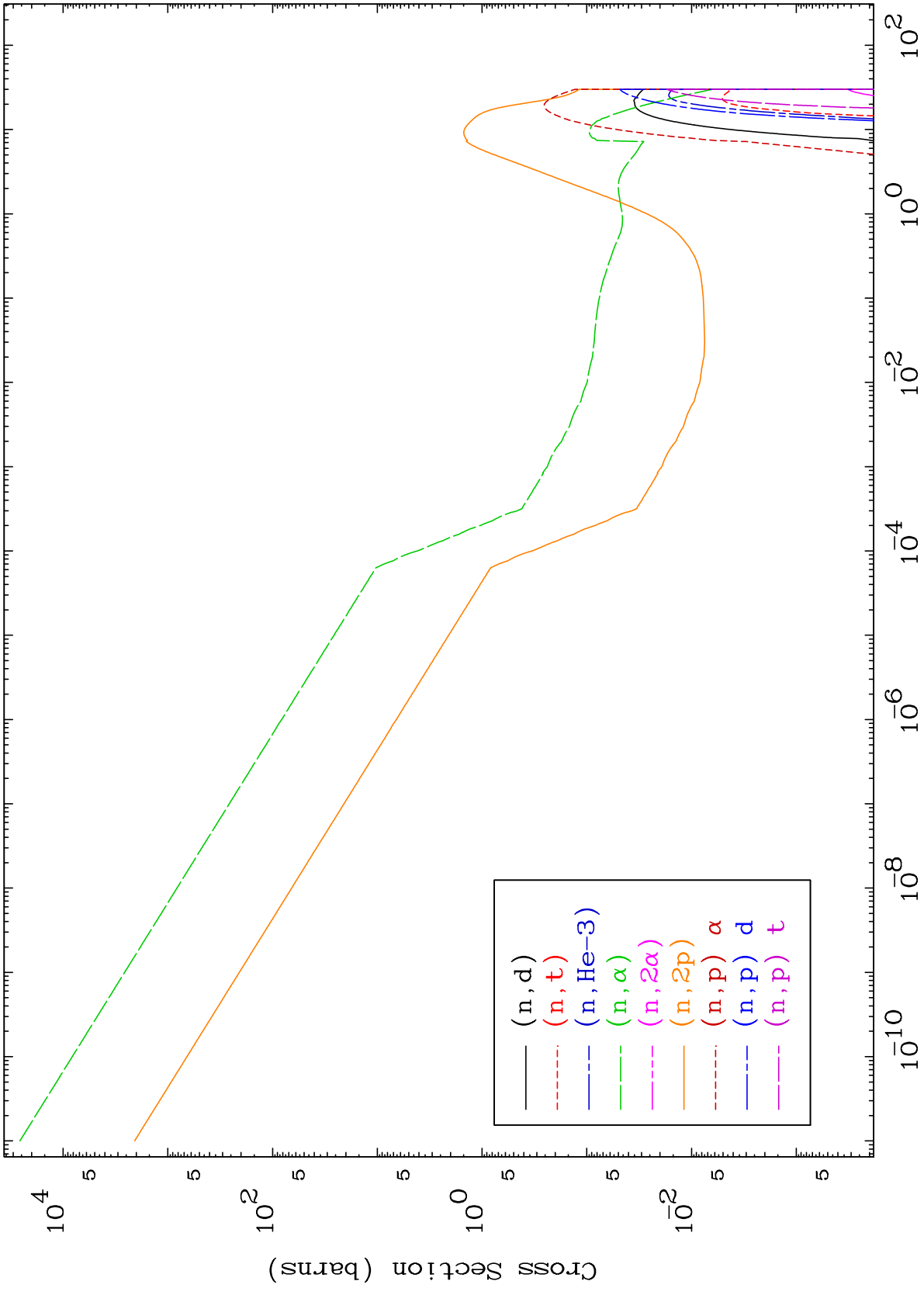
48-Cd-99



MAT 4804

Charged Particle
293 Kelvin Cross Sections

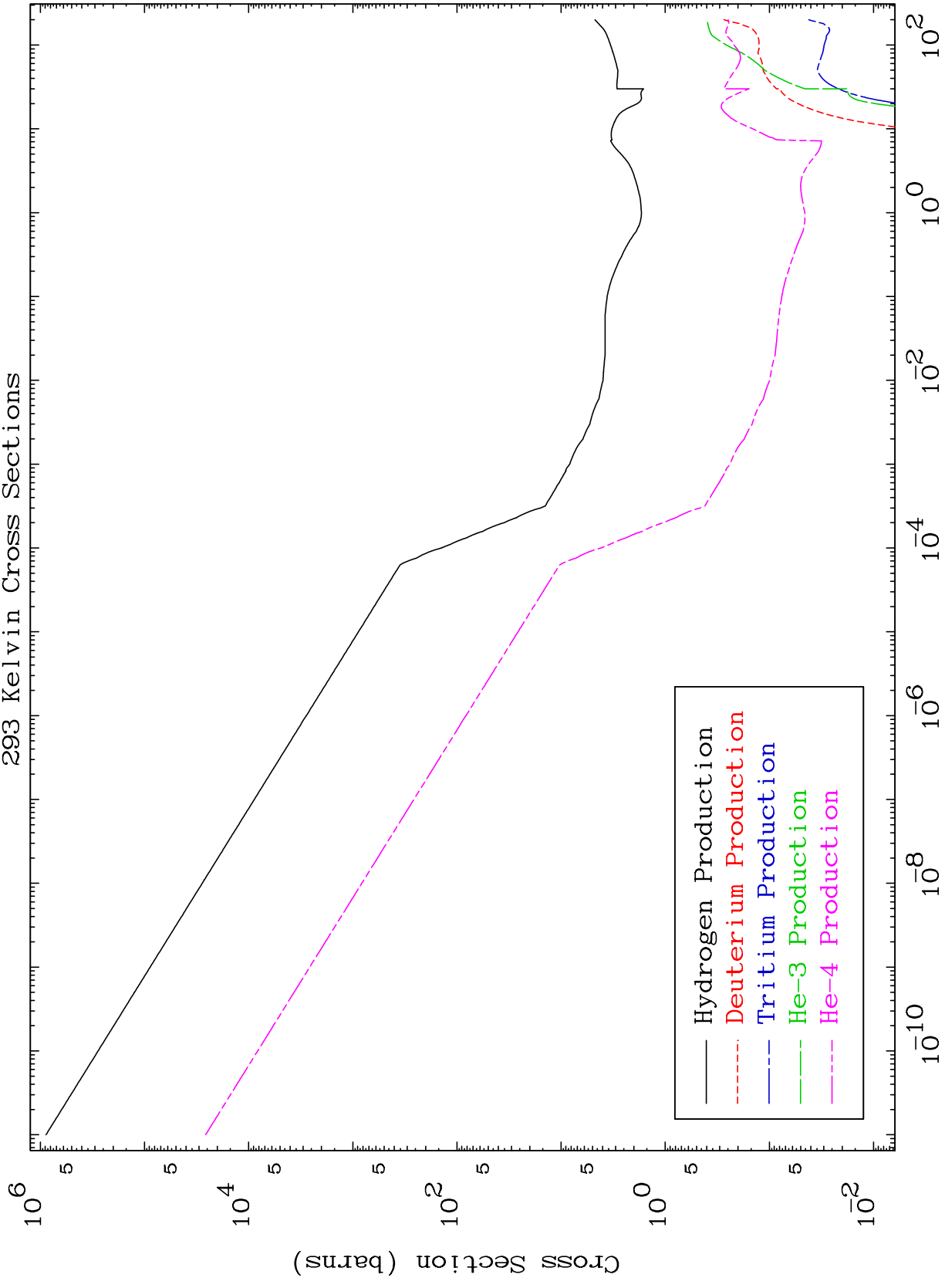
48-Cd-99



MAT 4804

Particle Production
293 Kelvin Cross Sections

48-Cd-99



5

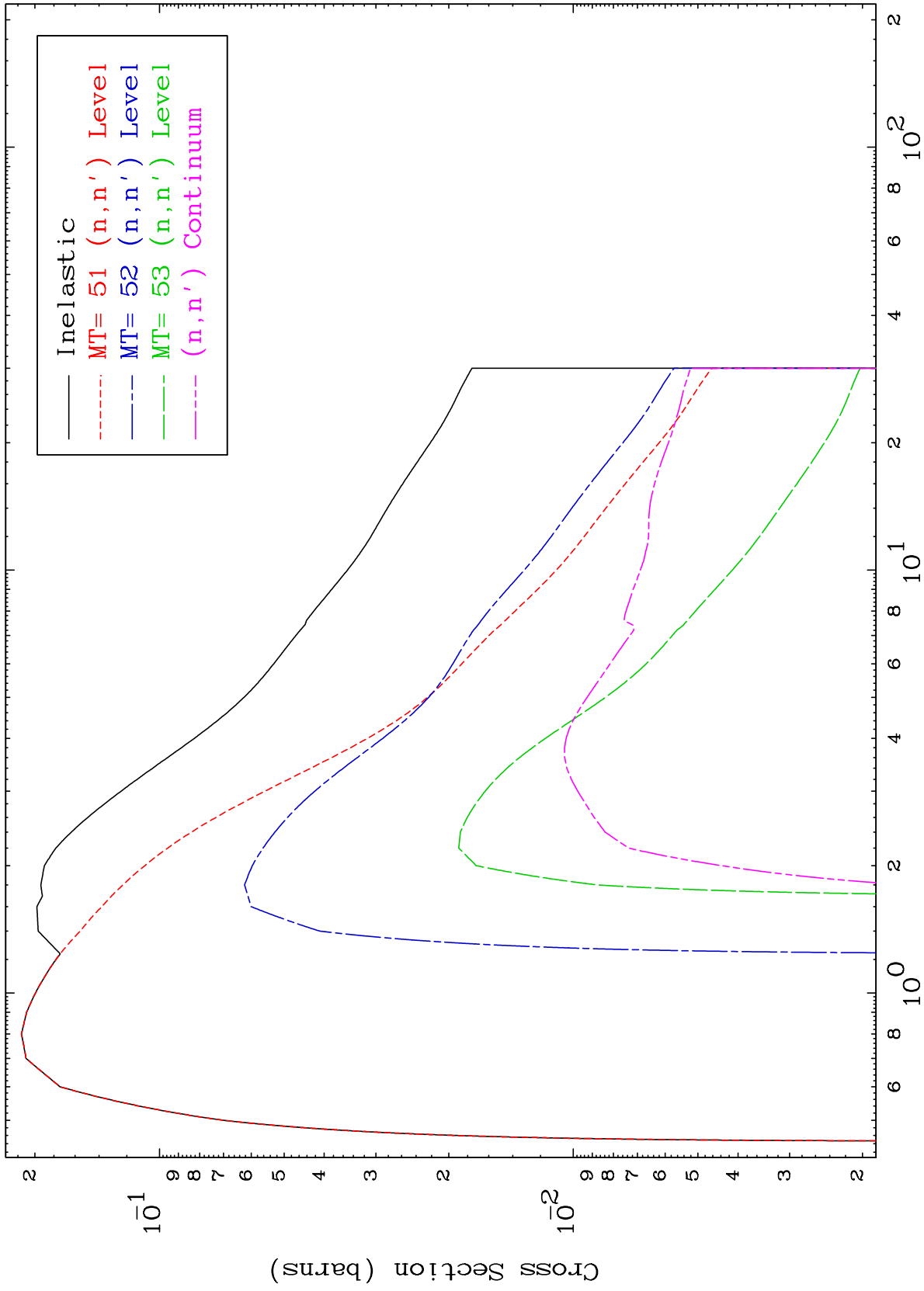
Incident Energy (MeV)

48-Cd-99

MAT 4804

(n,n') Level
293 Kelvin Cross Sections

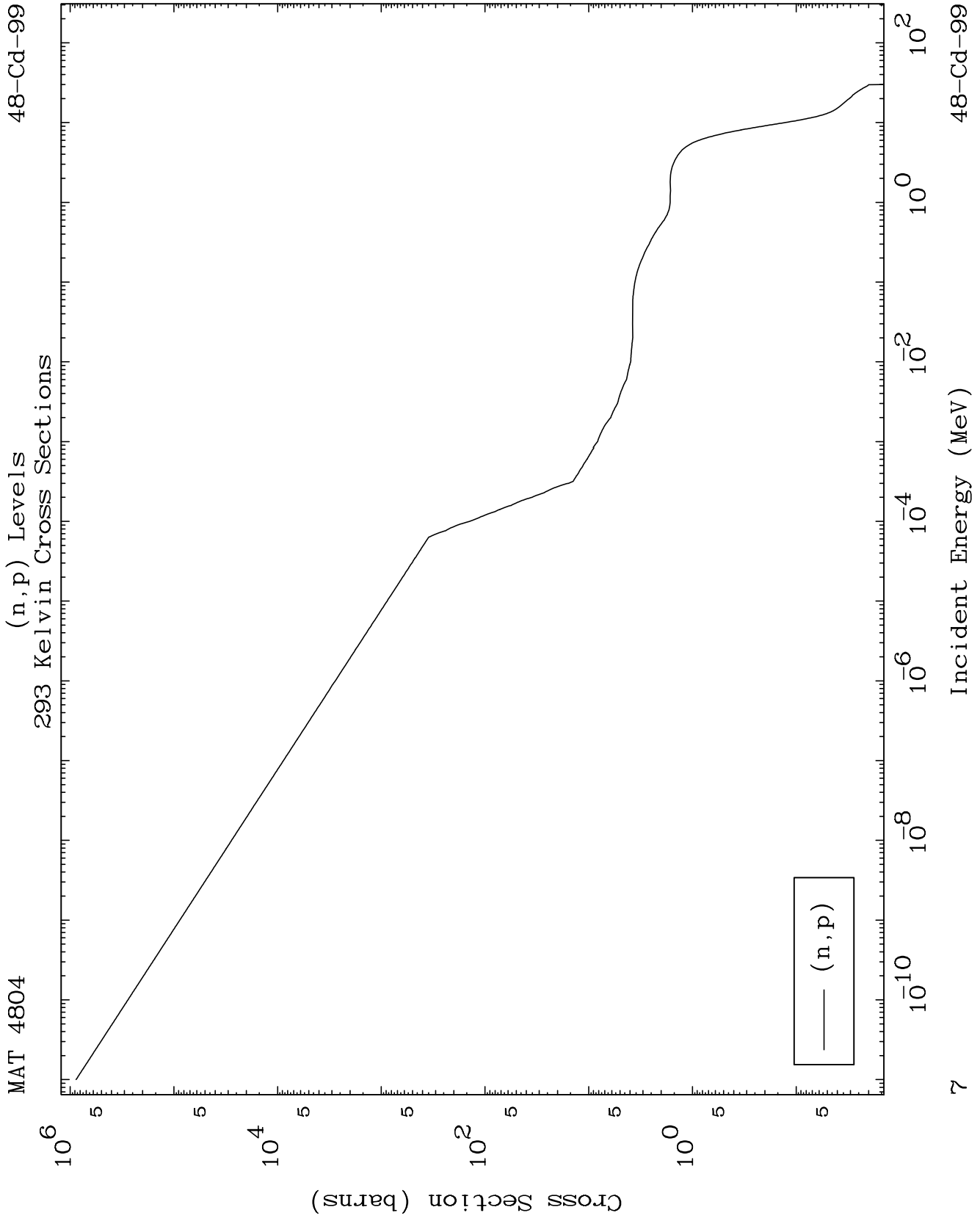
48-Cd-99



6

Incident Energy (MeV)

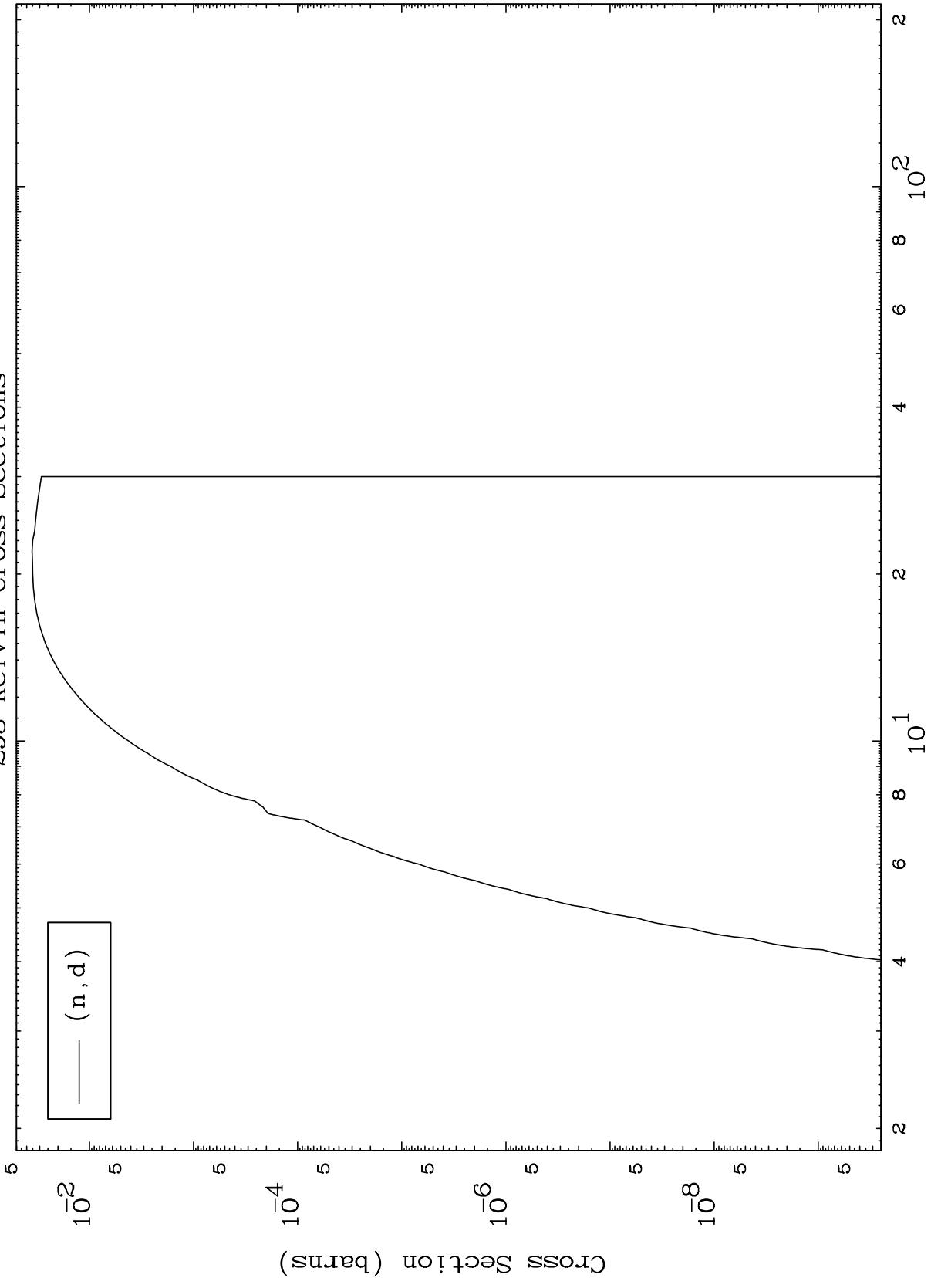
48-Cd-99



MAT 4804

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-99



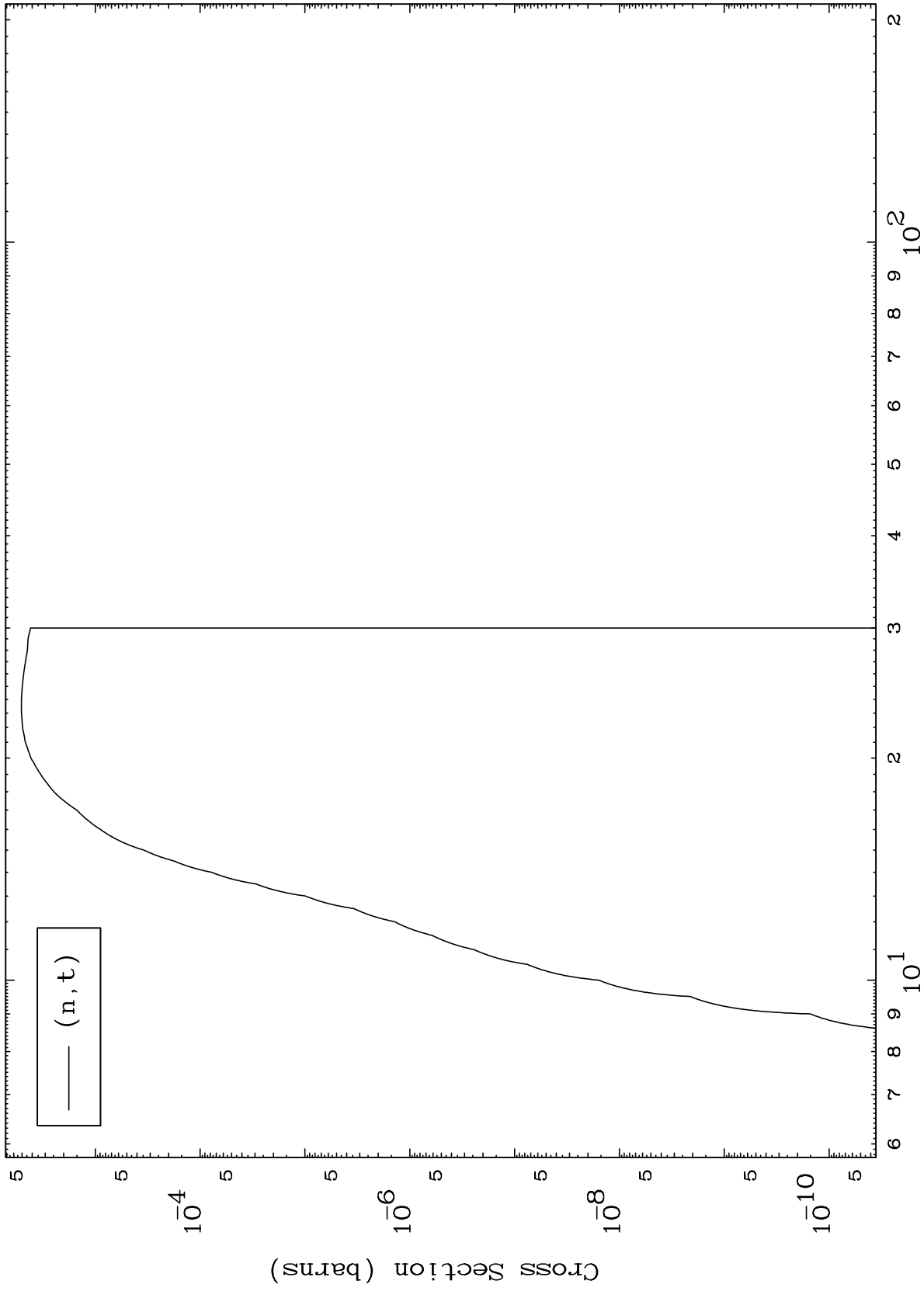
8

48-Cd-99

MAT 4804

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-99



9

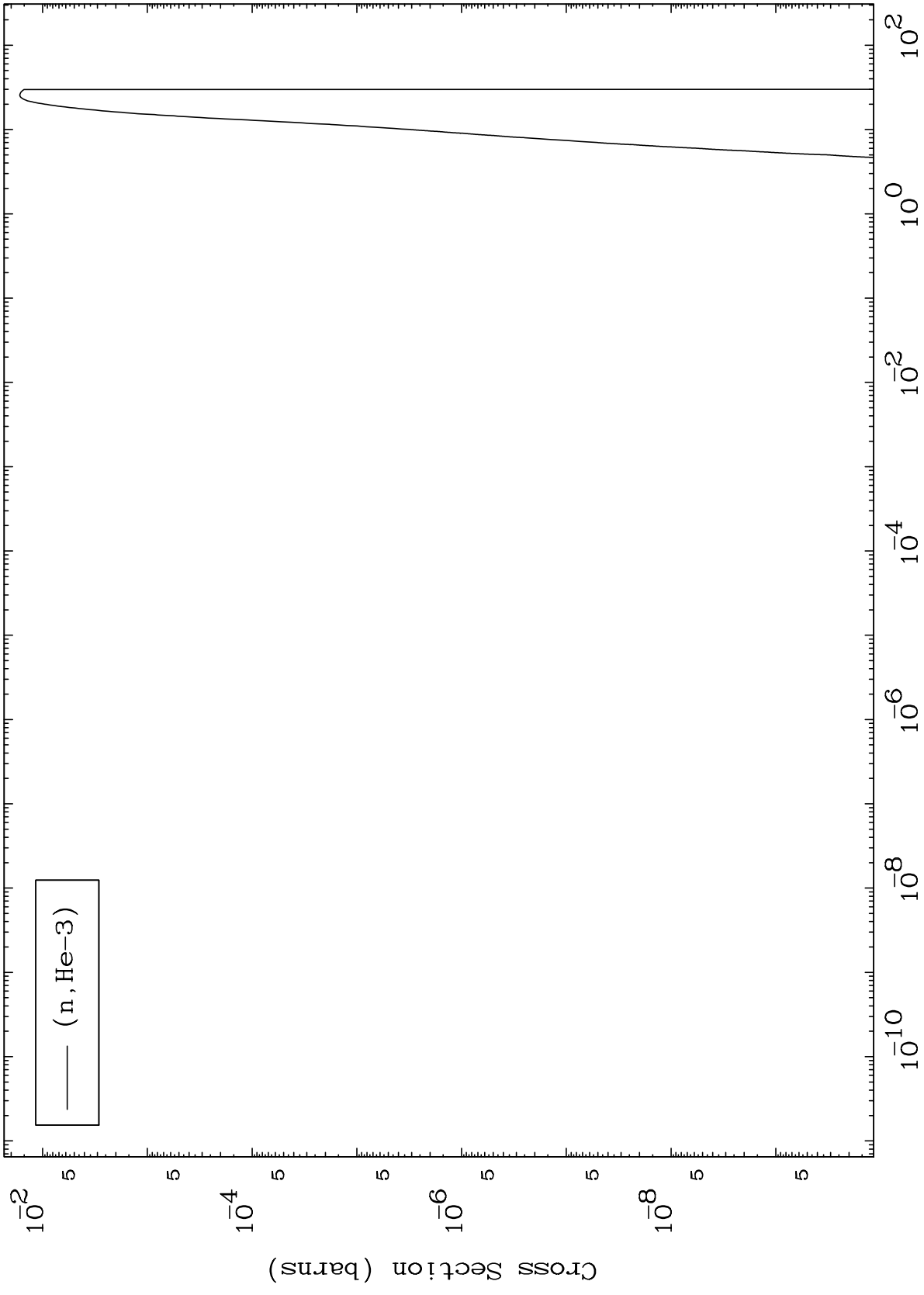
Incident Energy (MeV)

48-Cd-99

MAT 4804

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-99



10

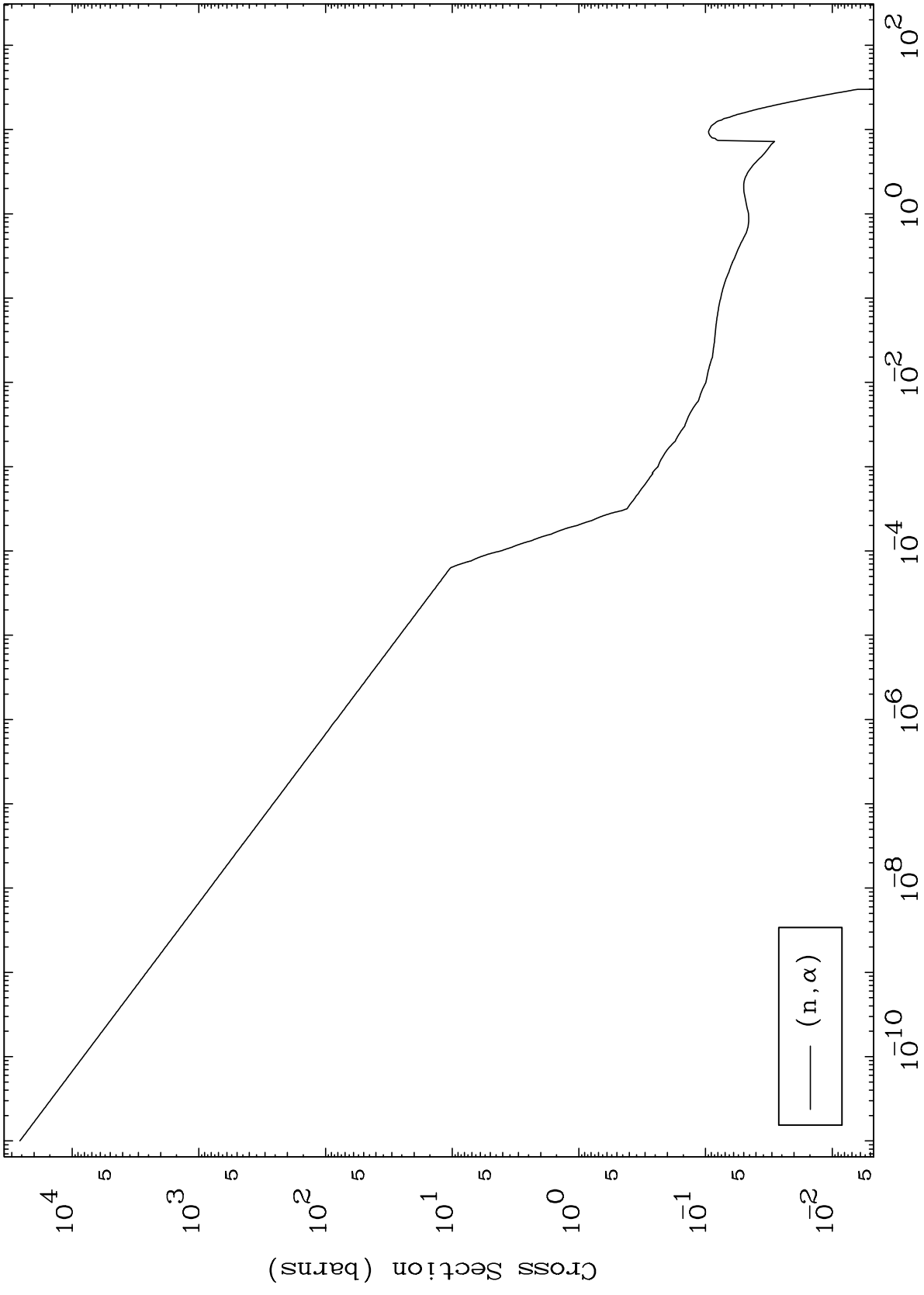
Incident Energy (MeV)

48-Cd-99

MAT 4804

(n,α) Levels
293 Kelvin Cross Sections

48-Cd-99

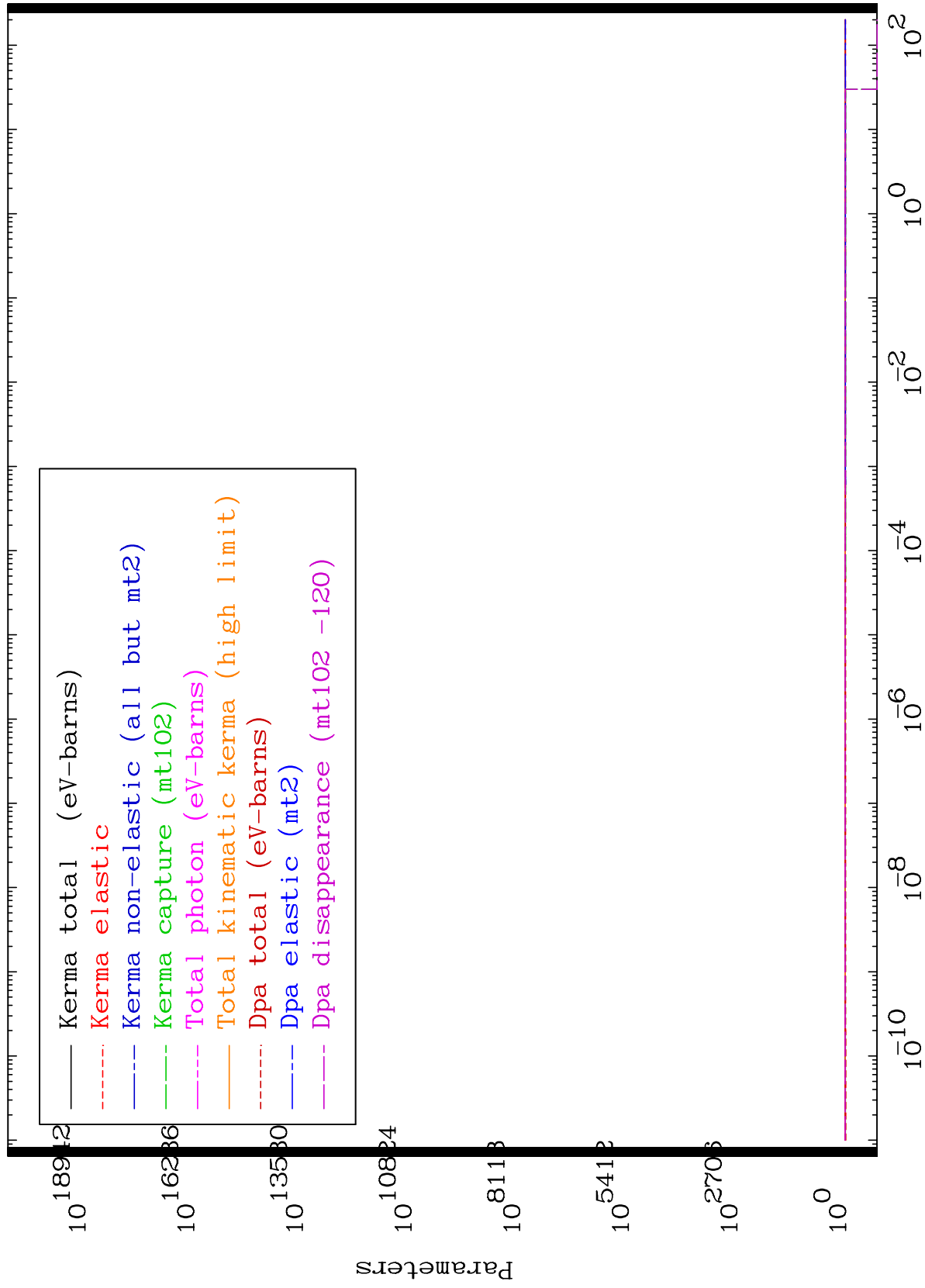


11

Incident Energy (MeV)

48-Cd-99

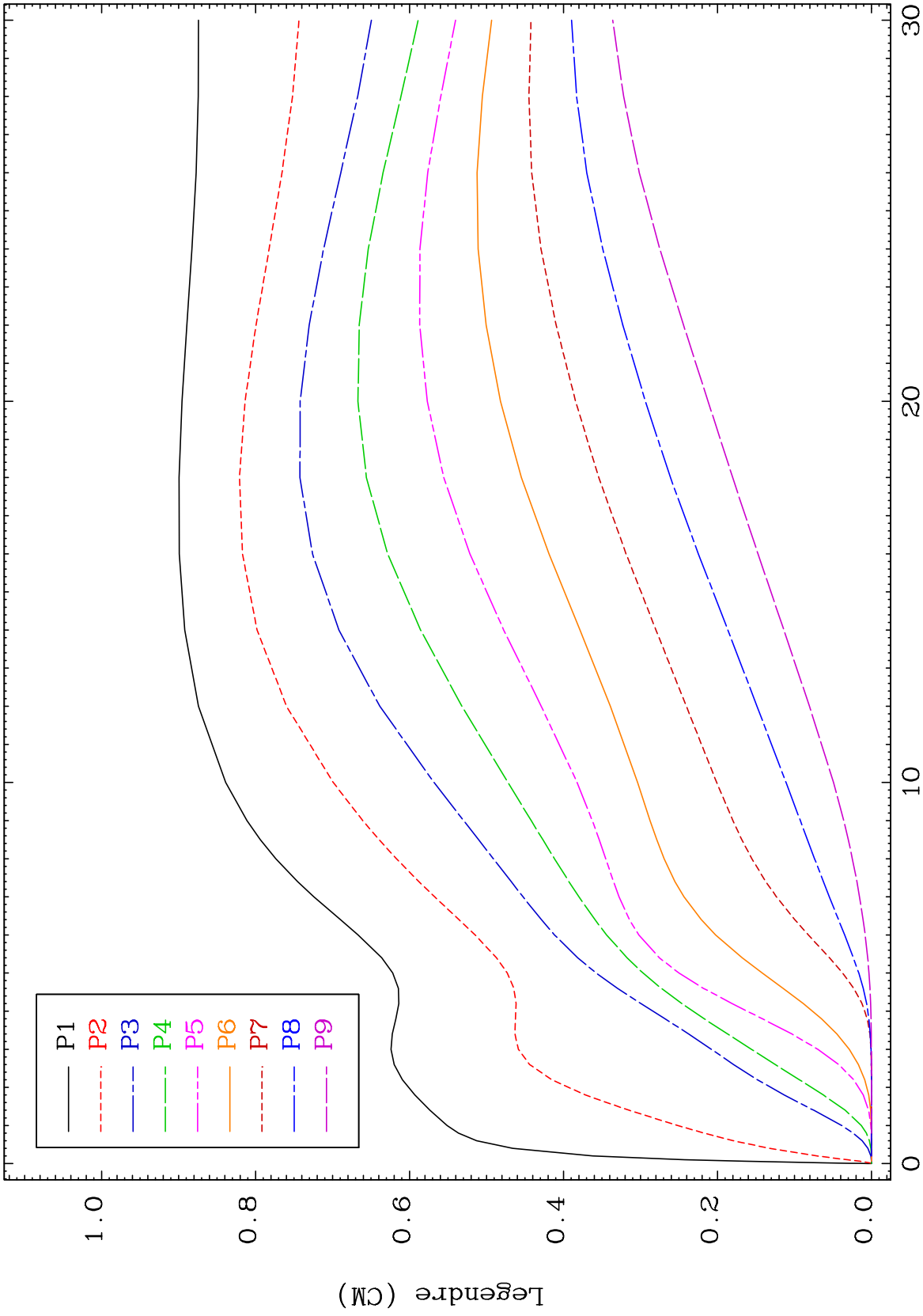
— (n,α)



MAT 4804

Elastic Legendre Coefficients

48-Cd-99



13

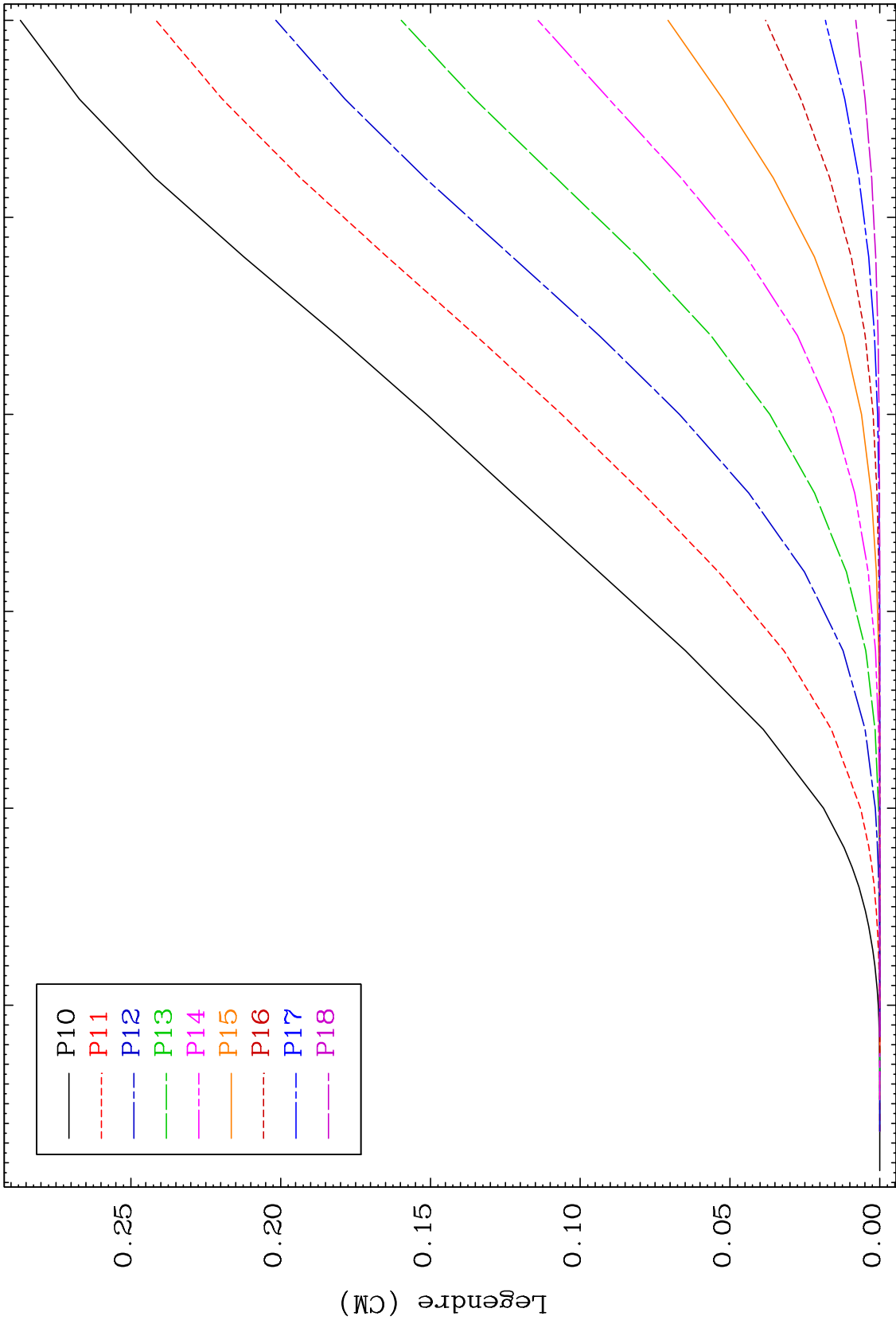
Incident Energy (MeV)

48-Cd-99

MAT 4804

Elastic Legendre Coefficients

48-Cd-99



14

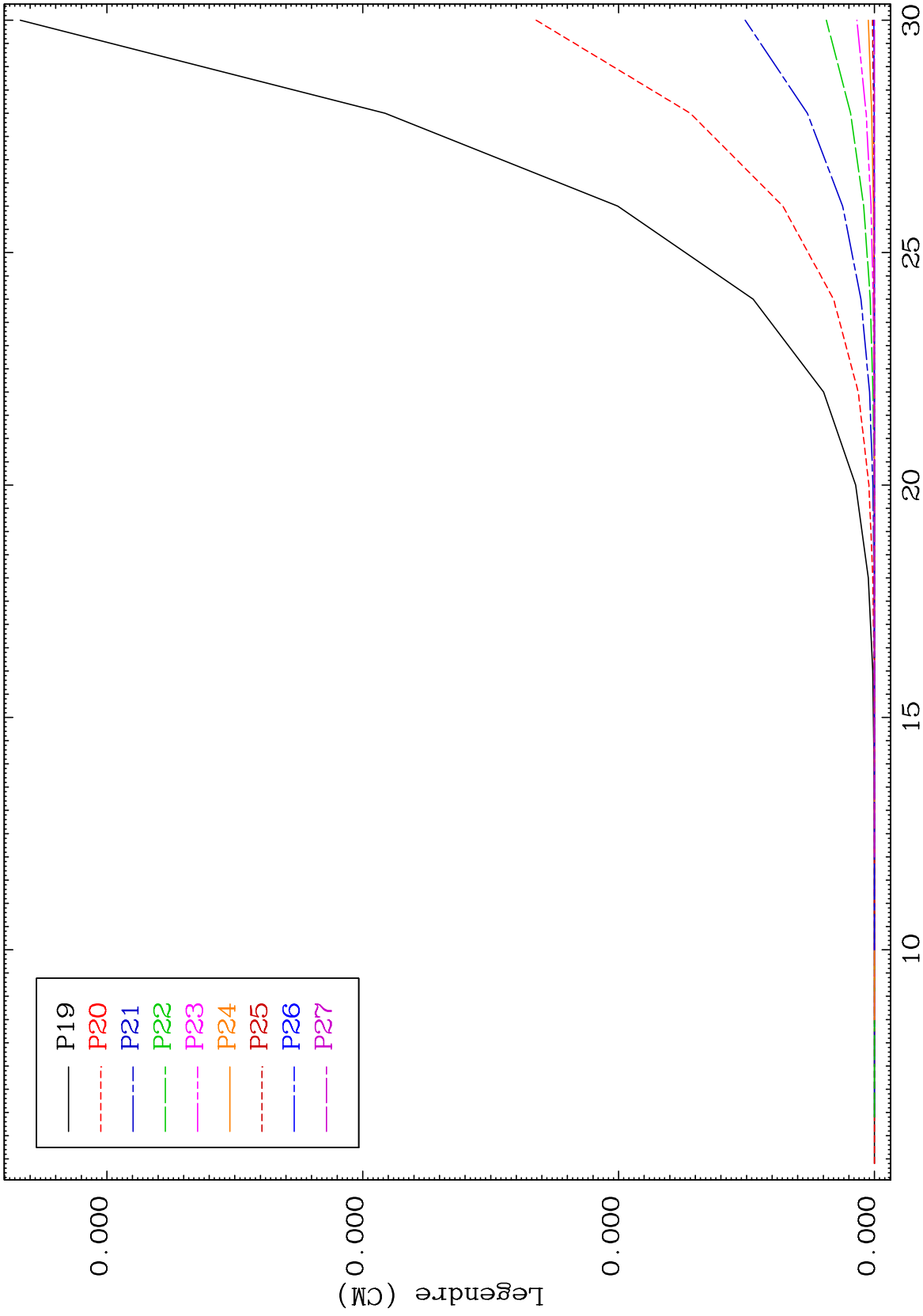
Incident Energy (MeV)

48-Cd-99

MAT 4804

Elastic Legendre Coefficients

48-Cd-99



15

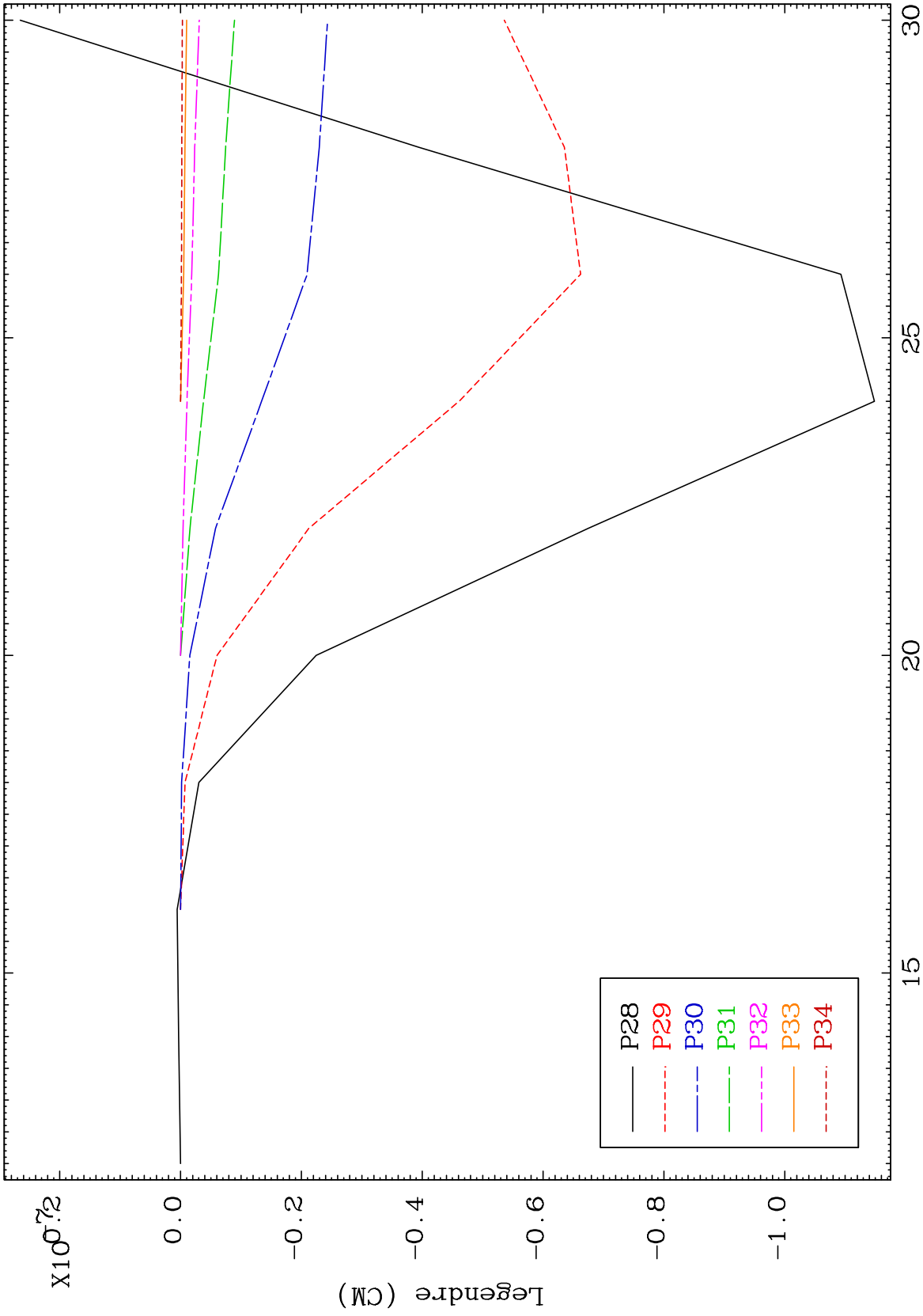
Incident Energy (MeV)

48-Cd-99

MAT 4804

Elastic Legendre Coefficients

48-Cd-99

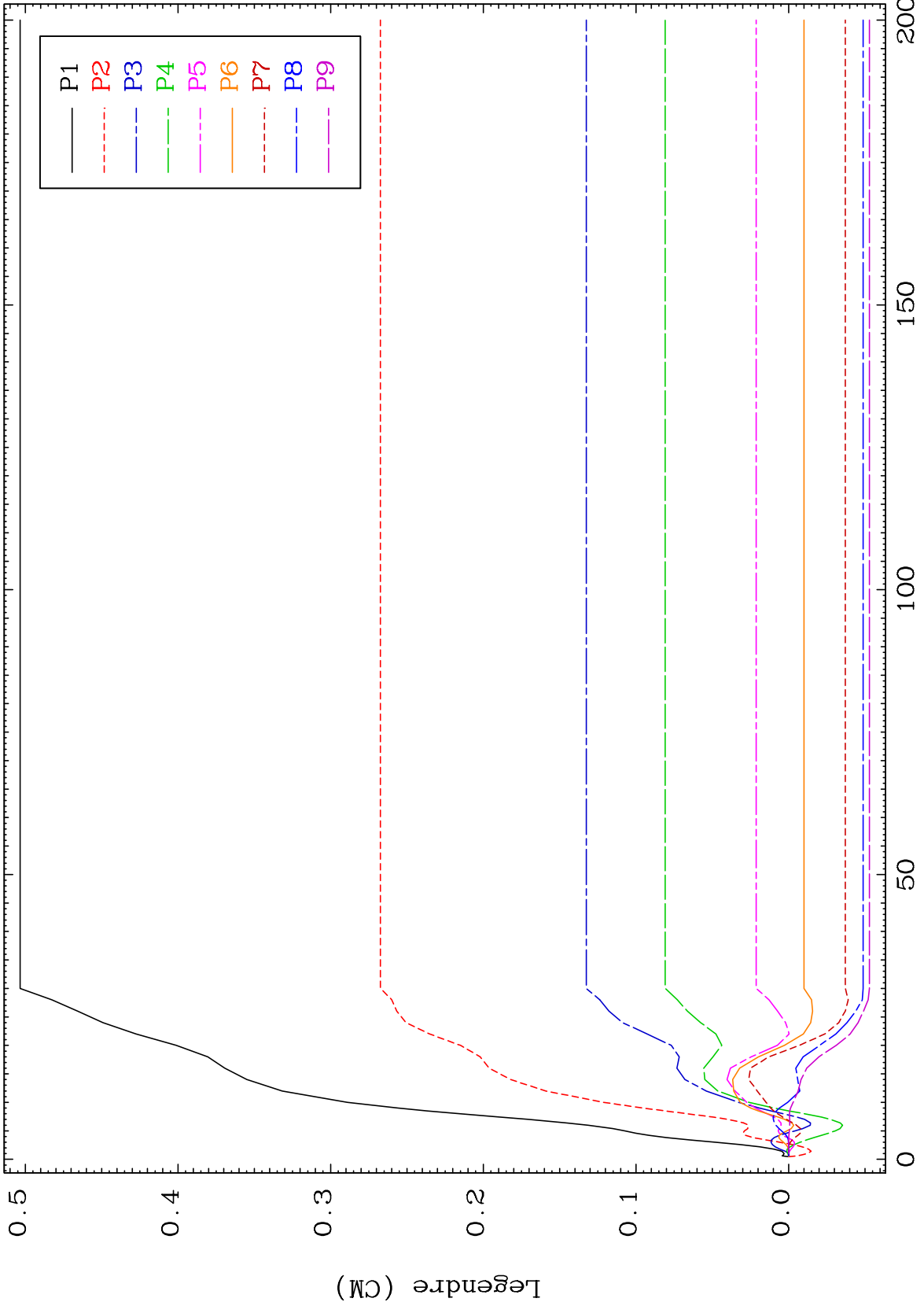


16

Incident Energy (MeV)

48-Cd-99

MAT 4804 MT= 51 (n,n') Level Legendre Coefficients 48-Cd-99

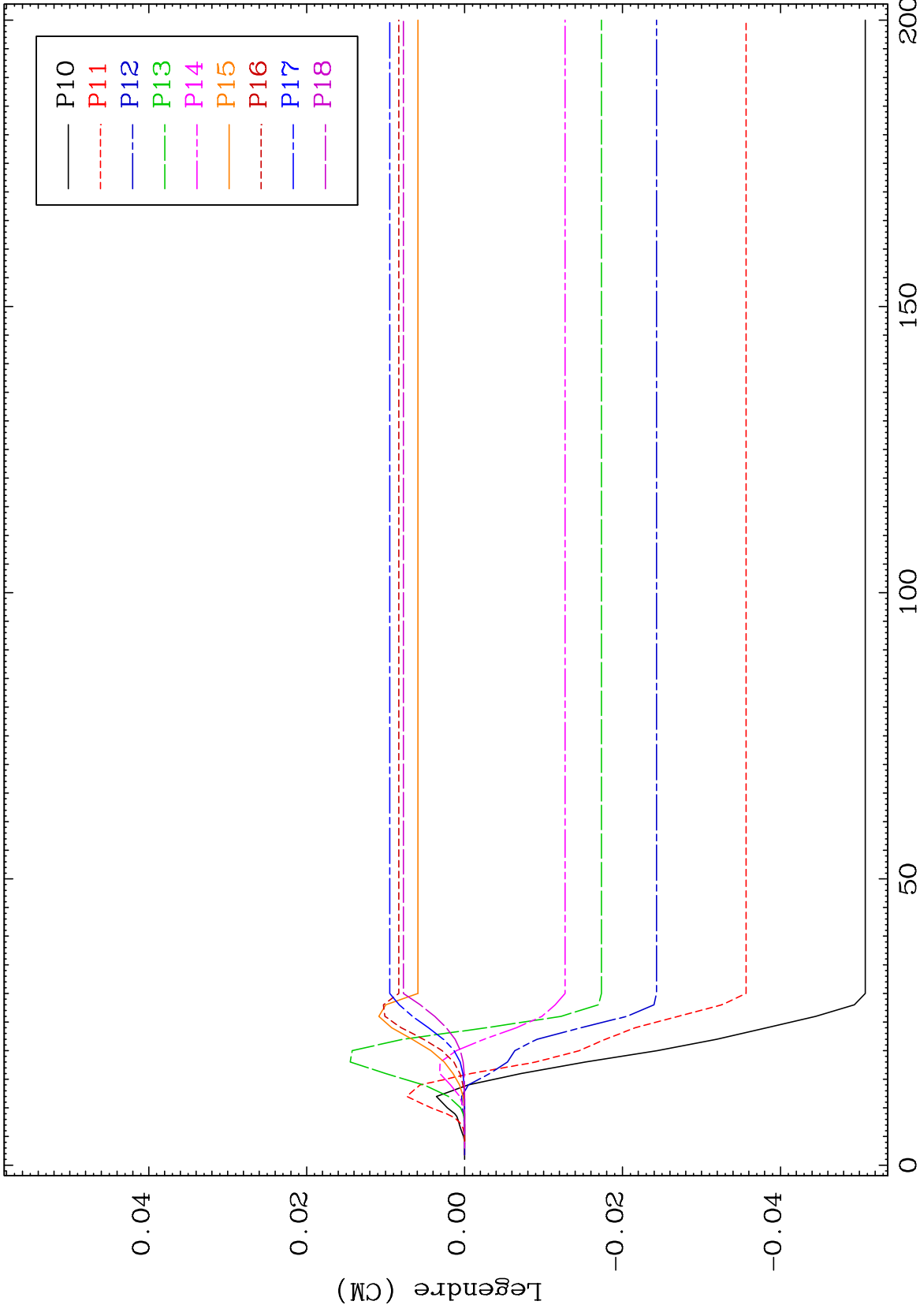


17 48-Cd-99

MAT 4804

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

48-Cd-99



18

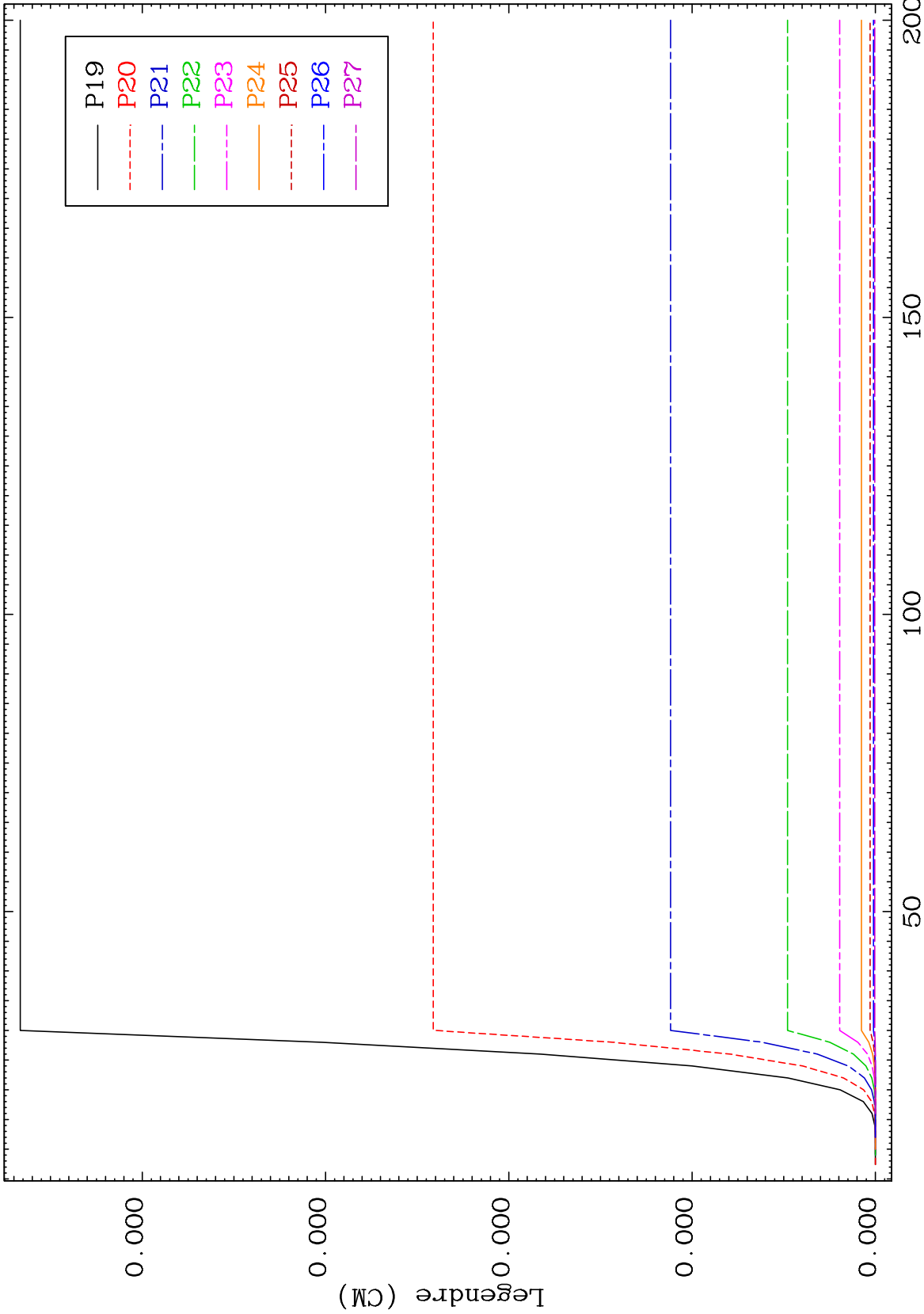
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



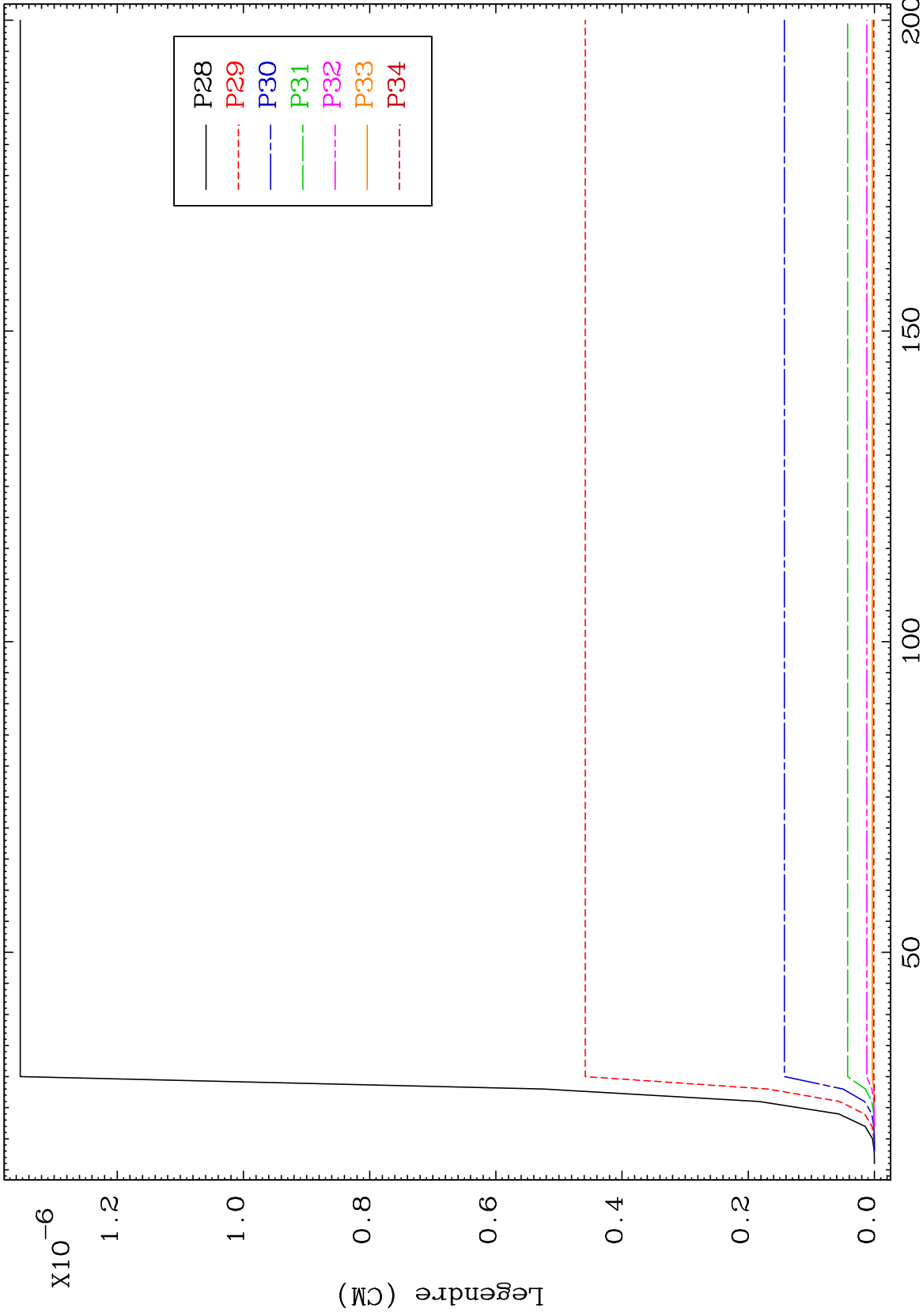
19

48-Cd-99

MAT 4804

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

48-Cd-99

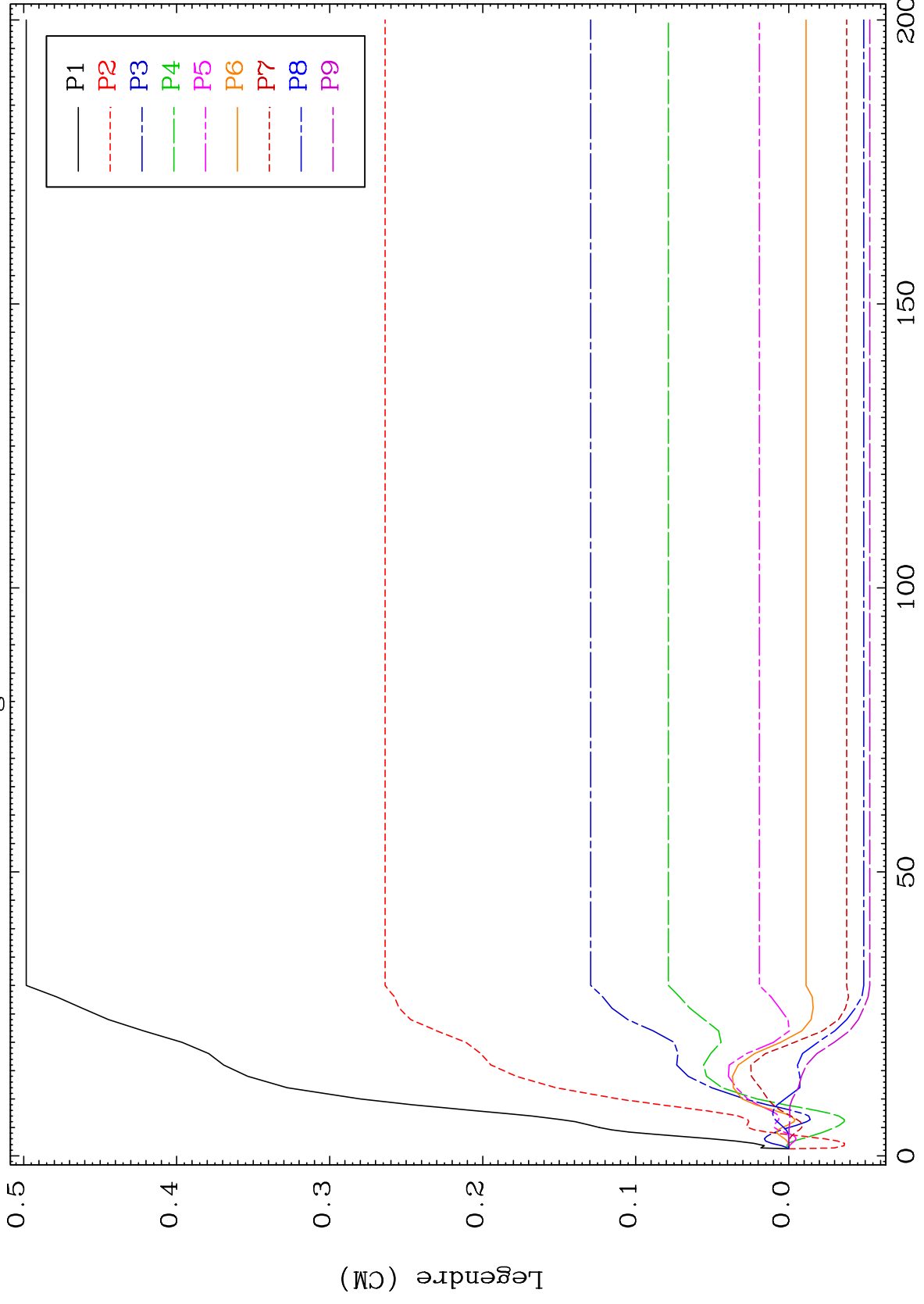


20

Incident Energy (MeV)

48-Cd-99

MAT 4804 MT= 52 (n,n') Level Legendre Coefficients 48-Cd-99

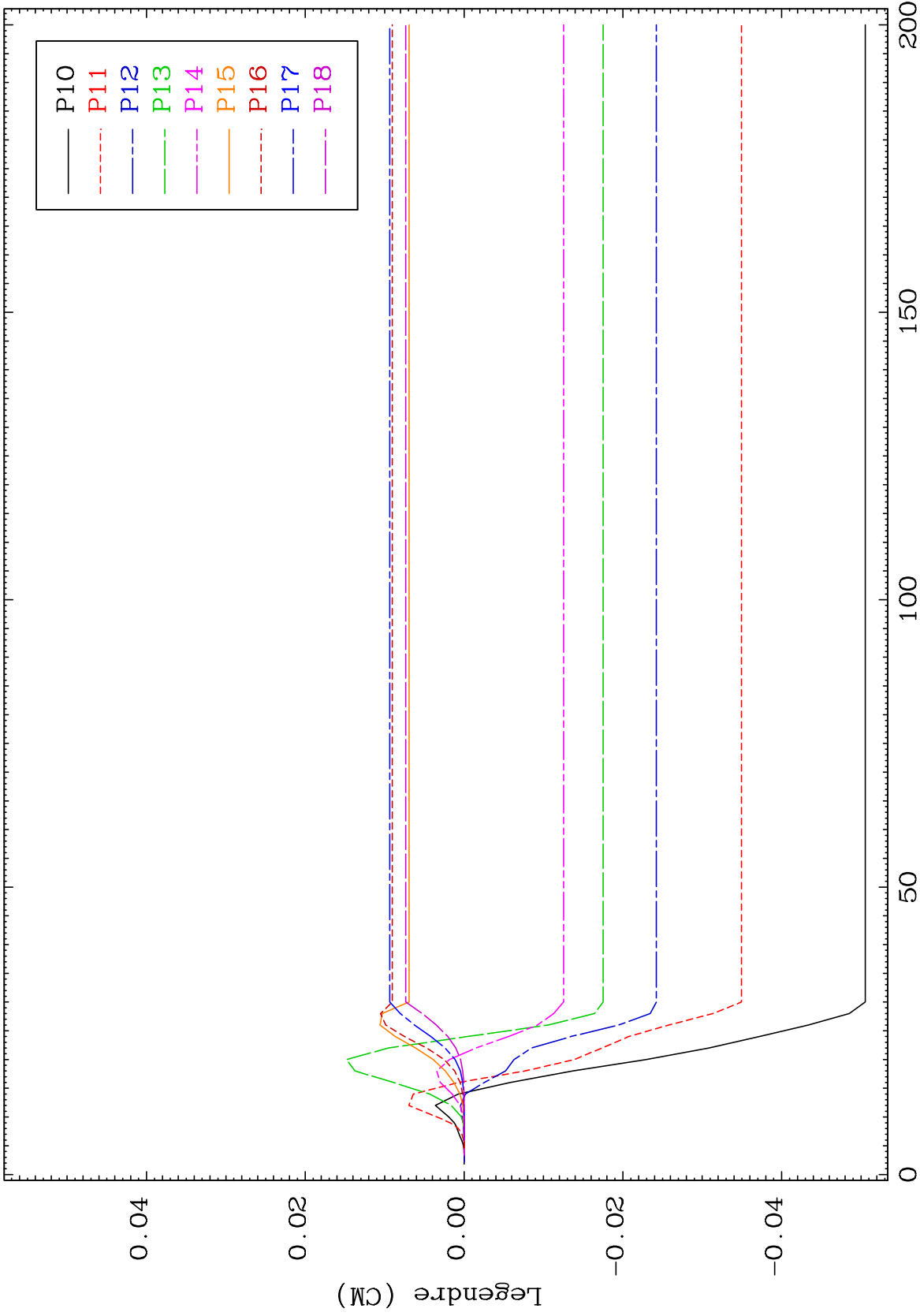


21 48-Cd-99

MAT 4804

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

48-Cd-99



22

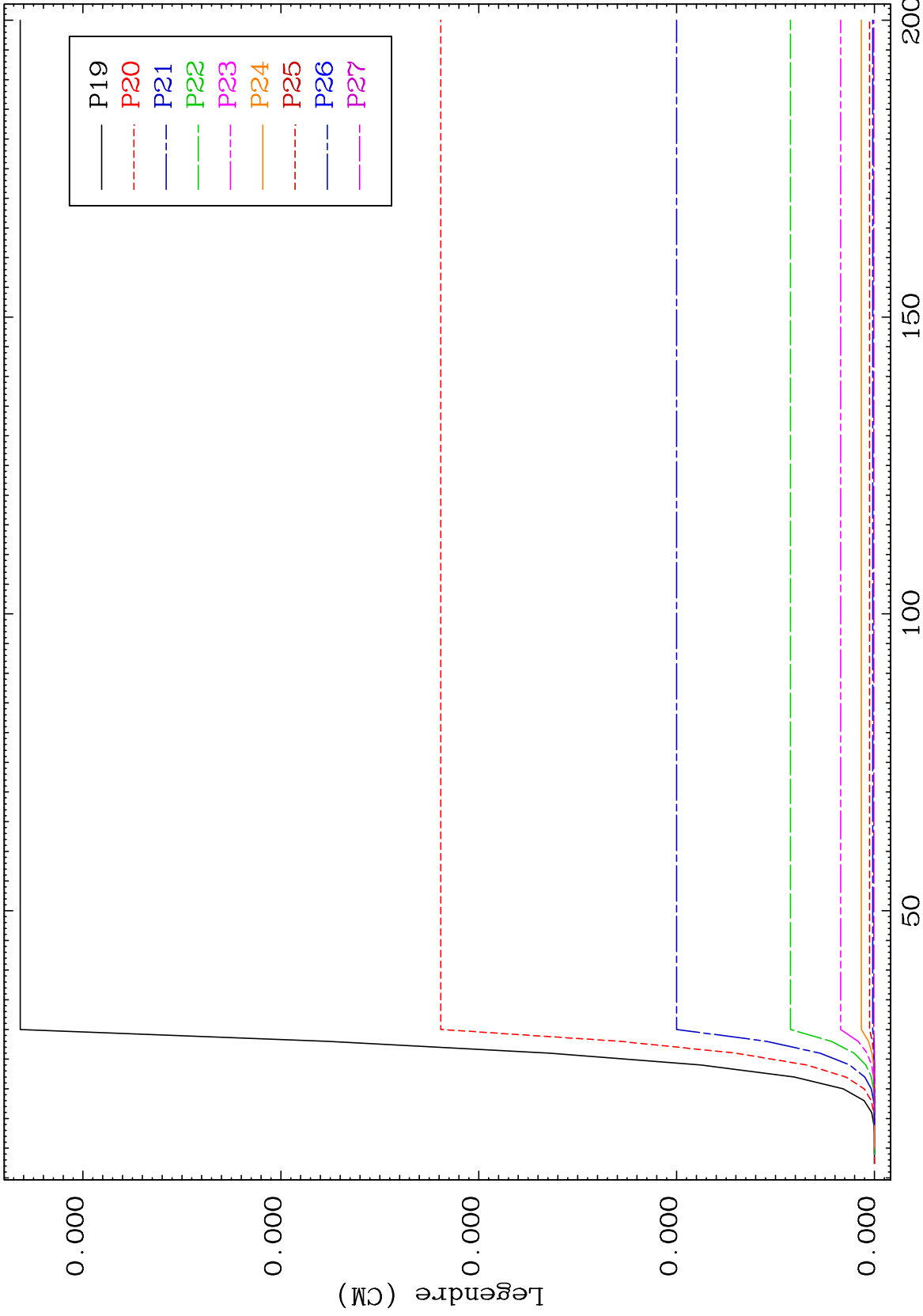
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



23

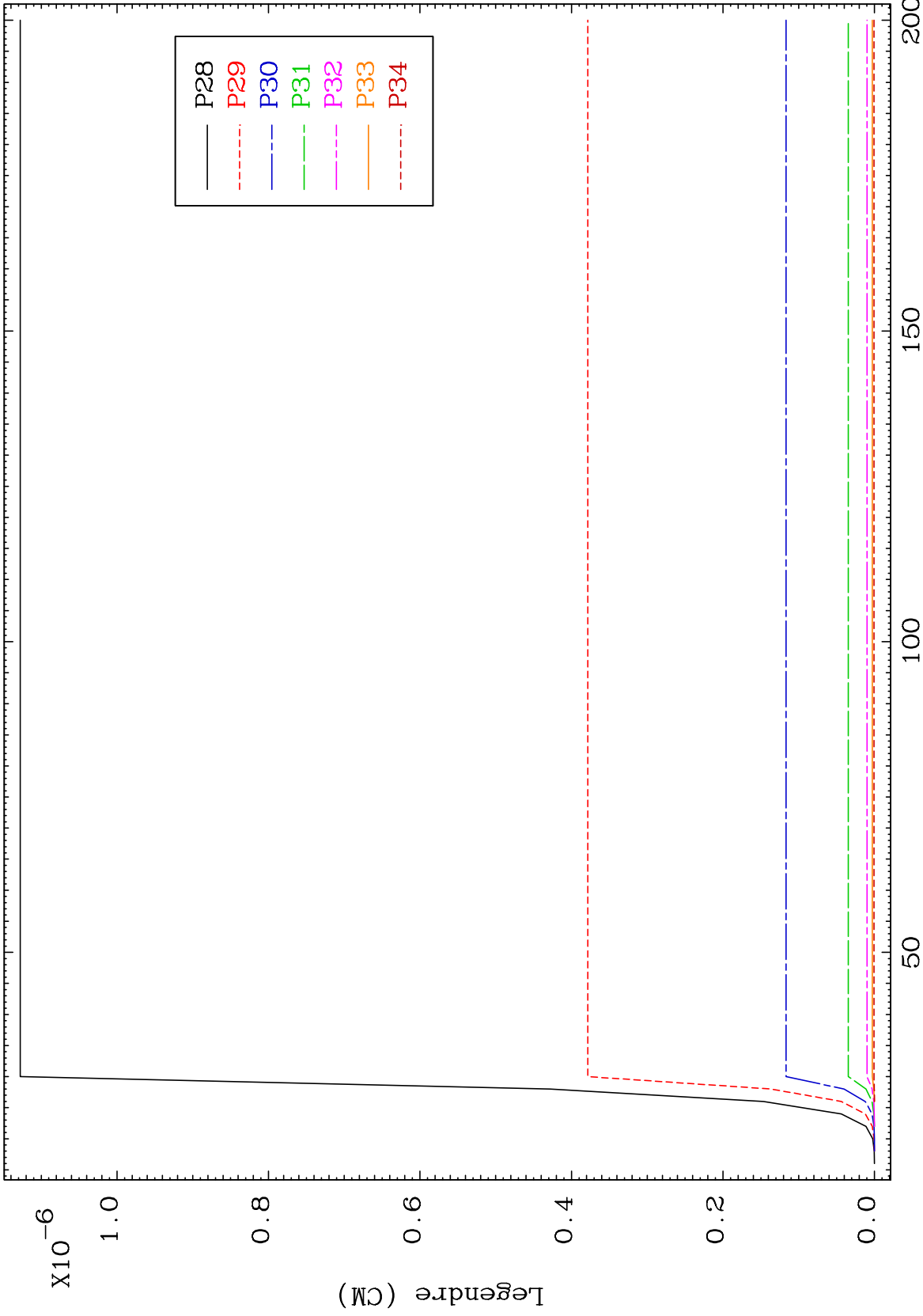
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



24

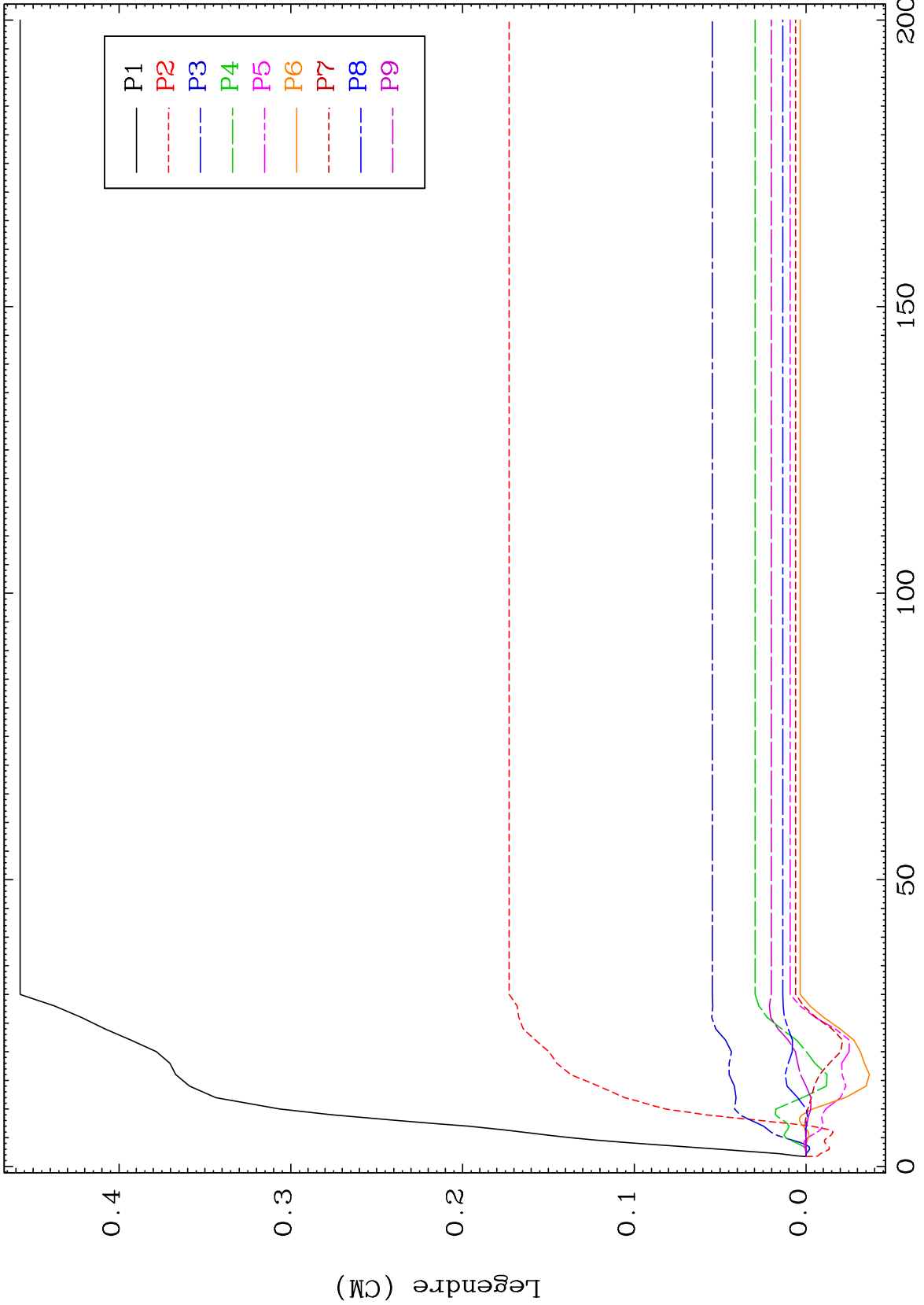
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



48-Cd-99

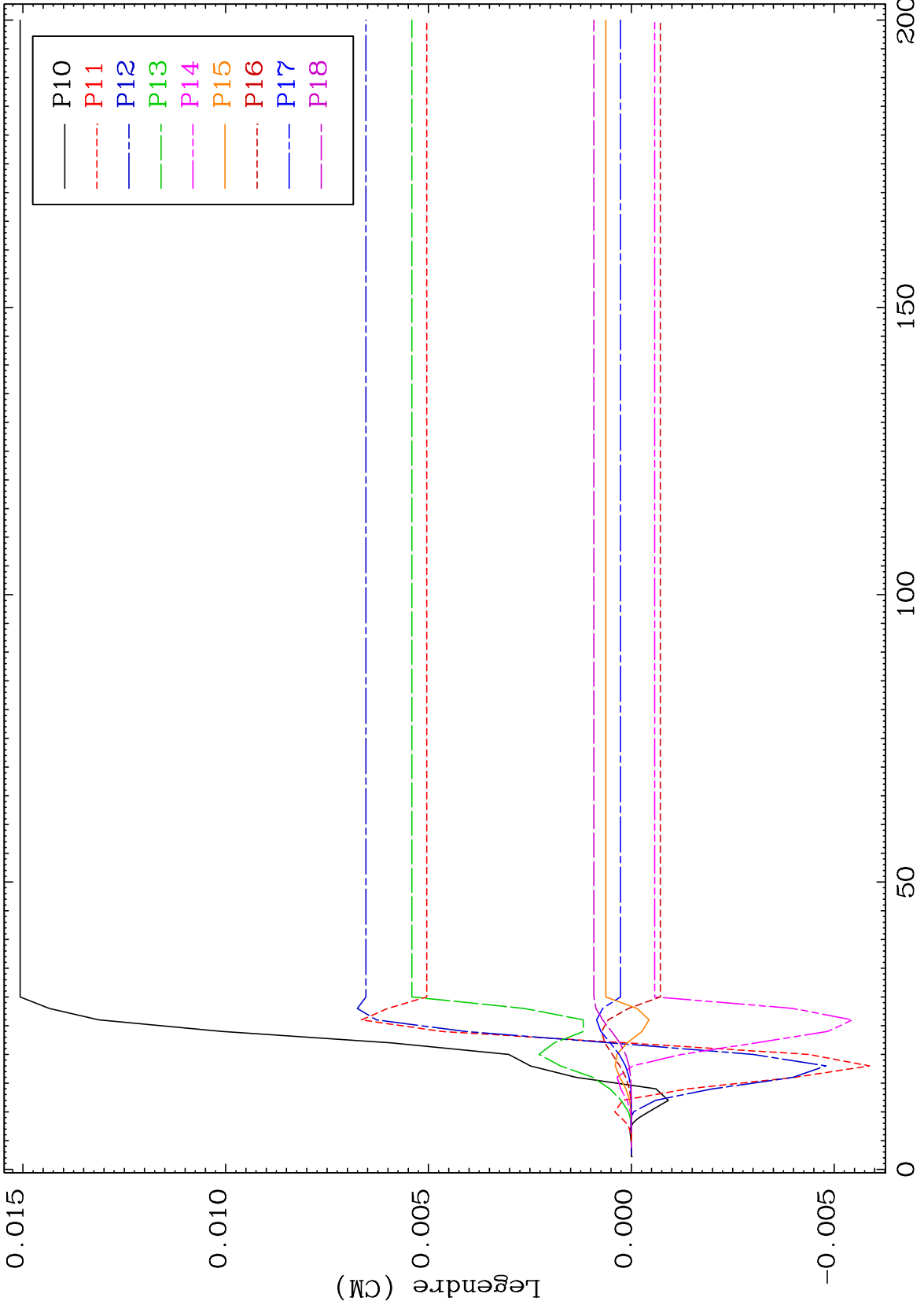
Incident Energy (MeV)

25

MAT 4804

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

48-Cd-99



26

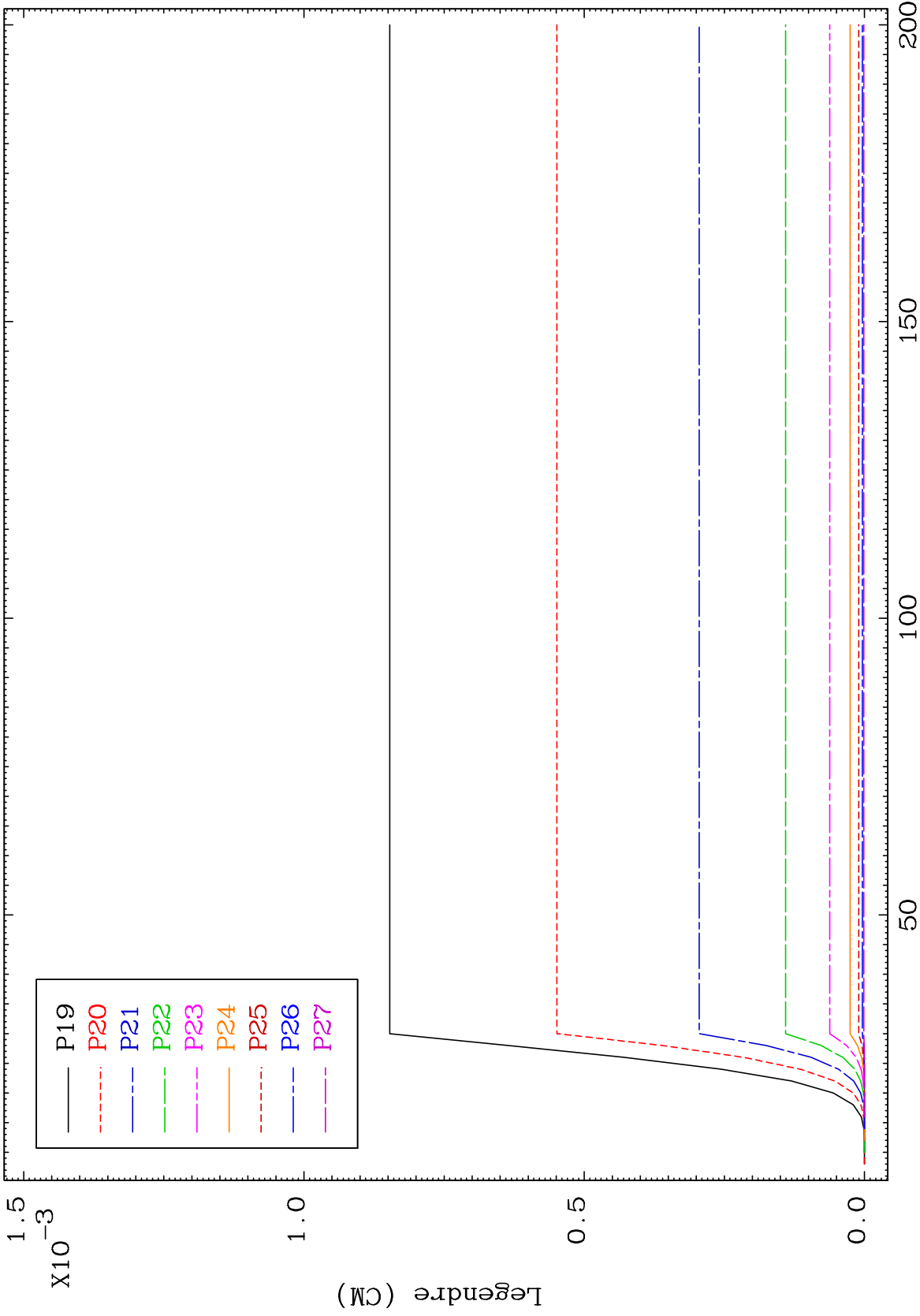
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



27

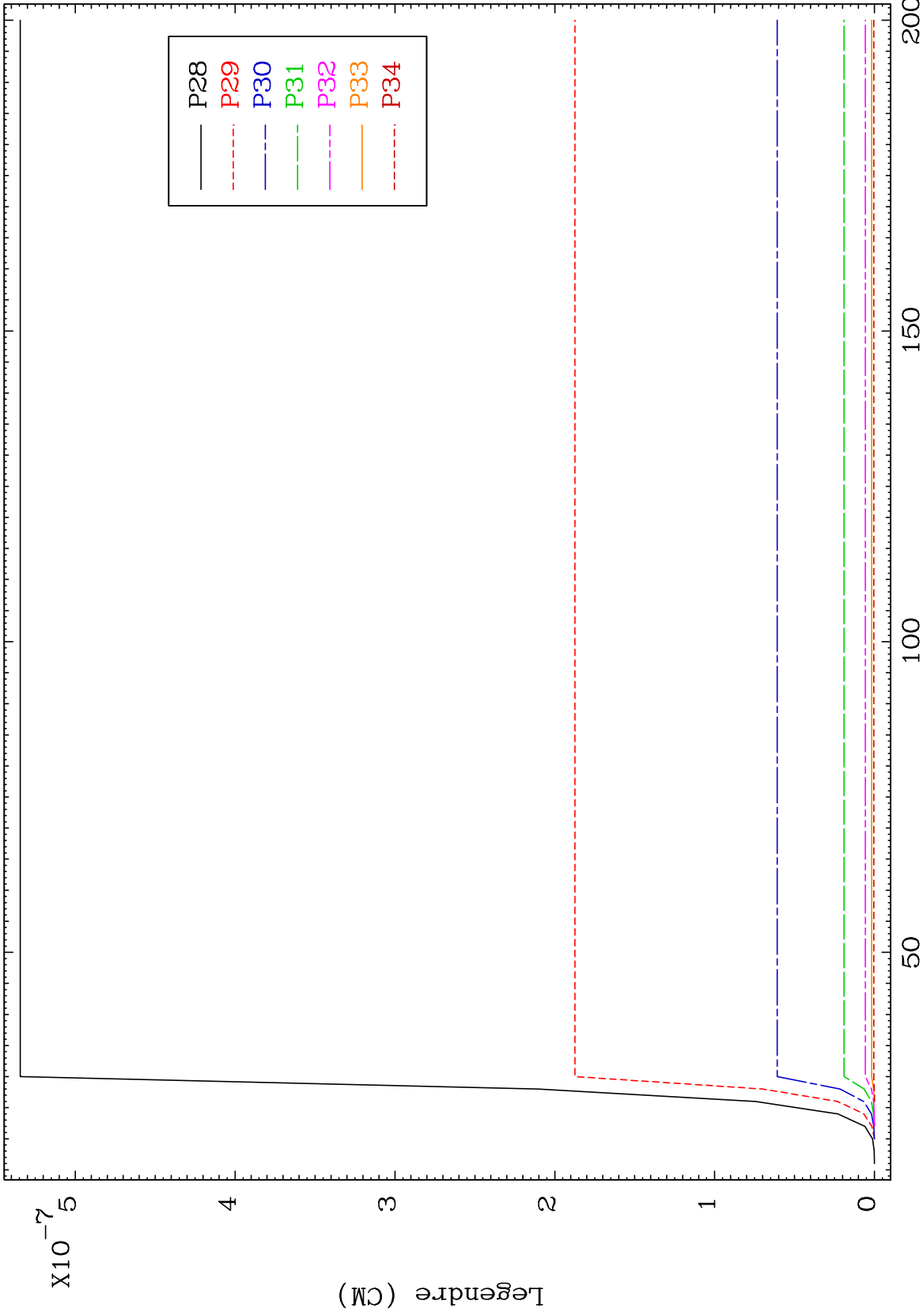
Incident Energy (MeV)

48-Cd-99

MAT 4804

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

48-Cd-99



28

Incident Energy (MeV)

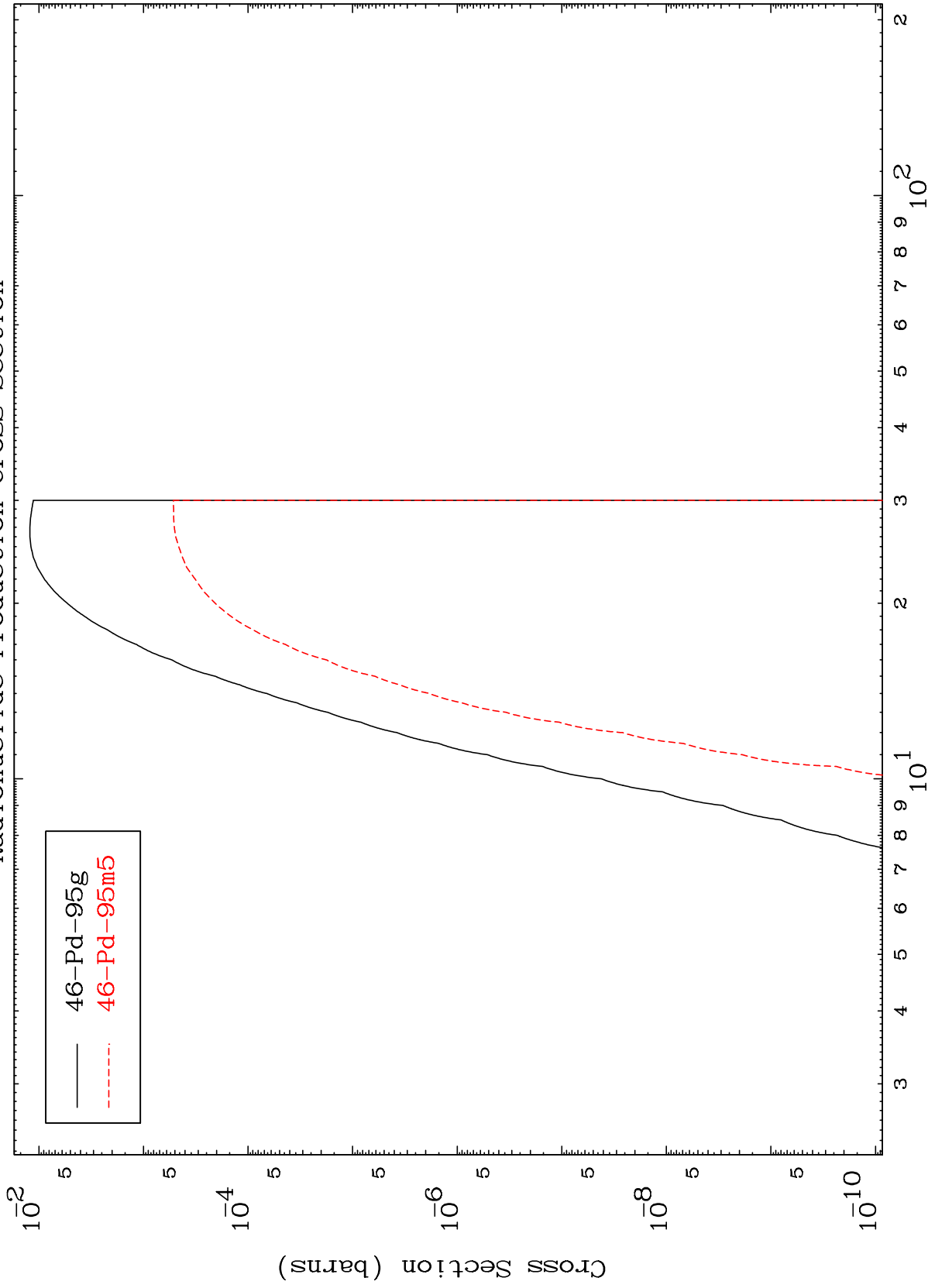
48-Cd-99

MAT 4804

(n,n') α

48-Cd-99

Radionuclide Production Cross Section



46-Pd-95g
46-Pd-95m5

29

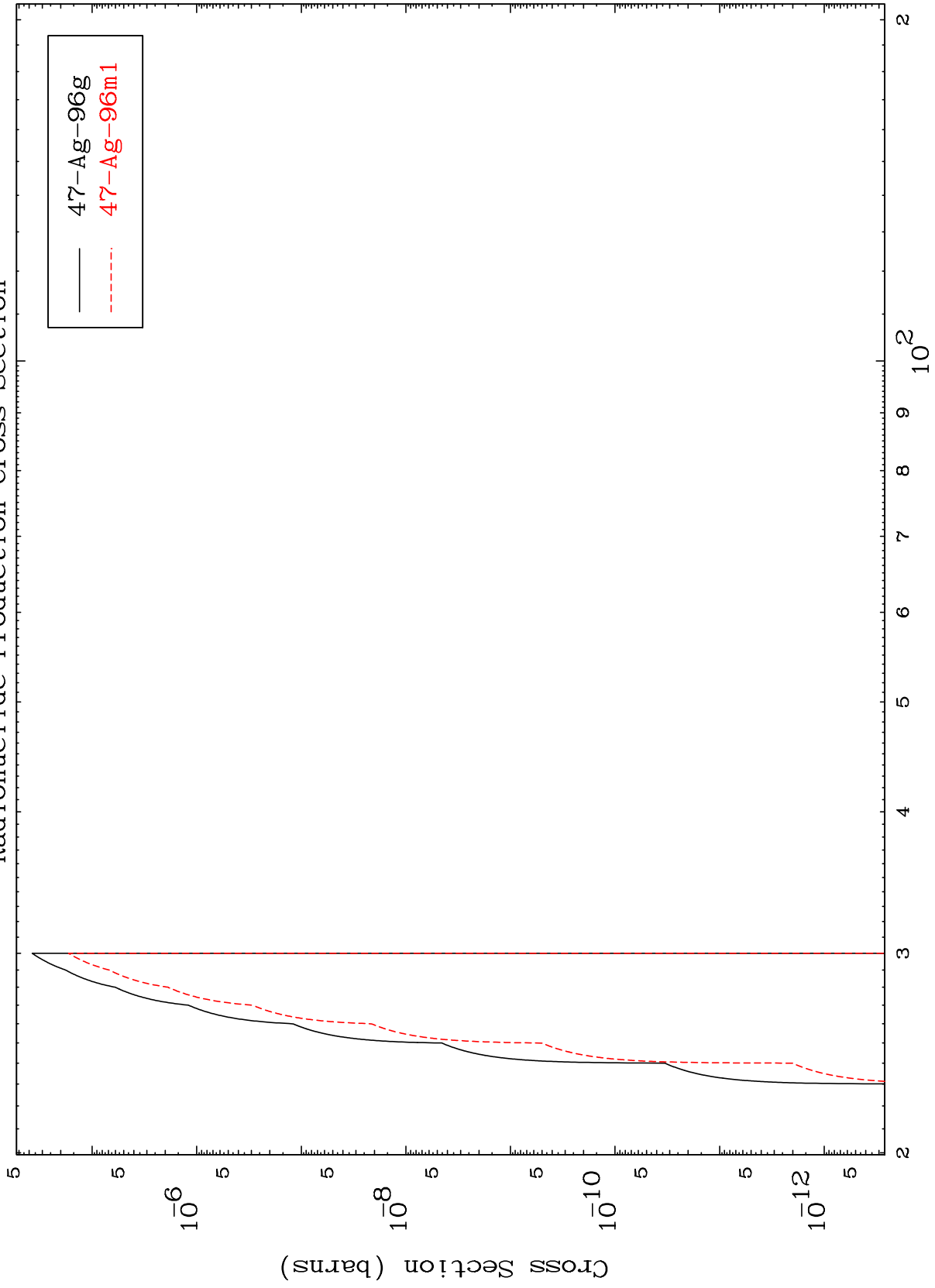
48-Cd-99

MAT 4804

(n,n') t

48-Cd-99

Radionuclide Production Cross Section



30

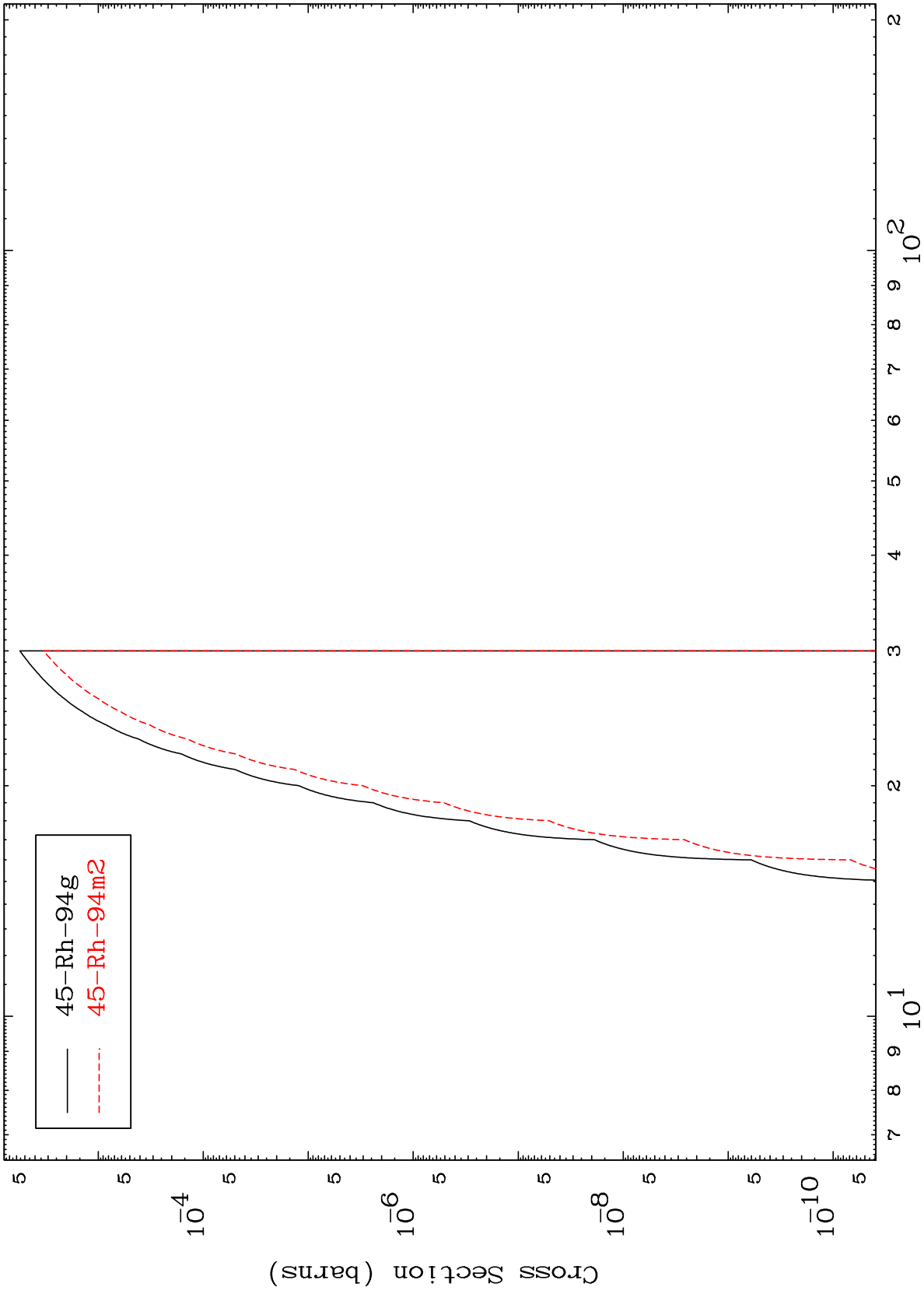
Incident Energy (MeV)

48-Cd-99

MAT 4804

48-Cd-99

(n,n') p α
Radionuclide Production Cross Section



31

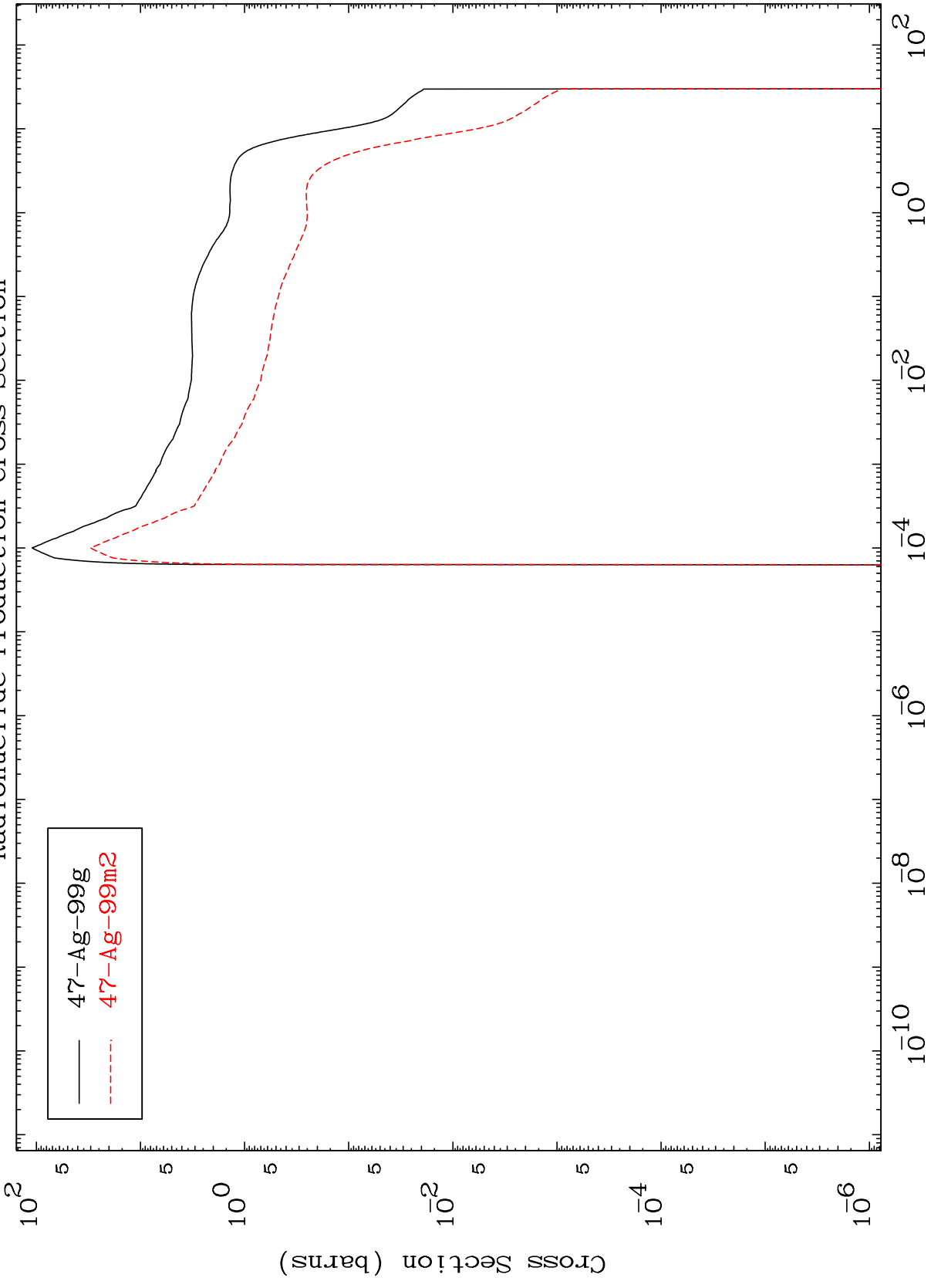
Incident Energy (MeV)

48-Cd-99

MAT 4804

48-Cd-99

Radionuclide Production Cross Section (n,p)



47-Ag-99g
47-Ag-99m2

48-Cd-99

Incident Energy (MeV)

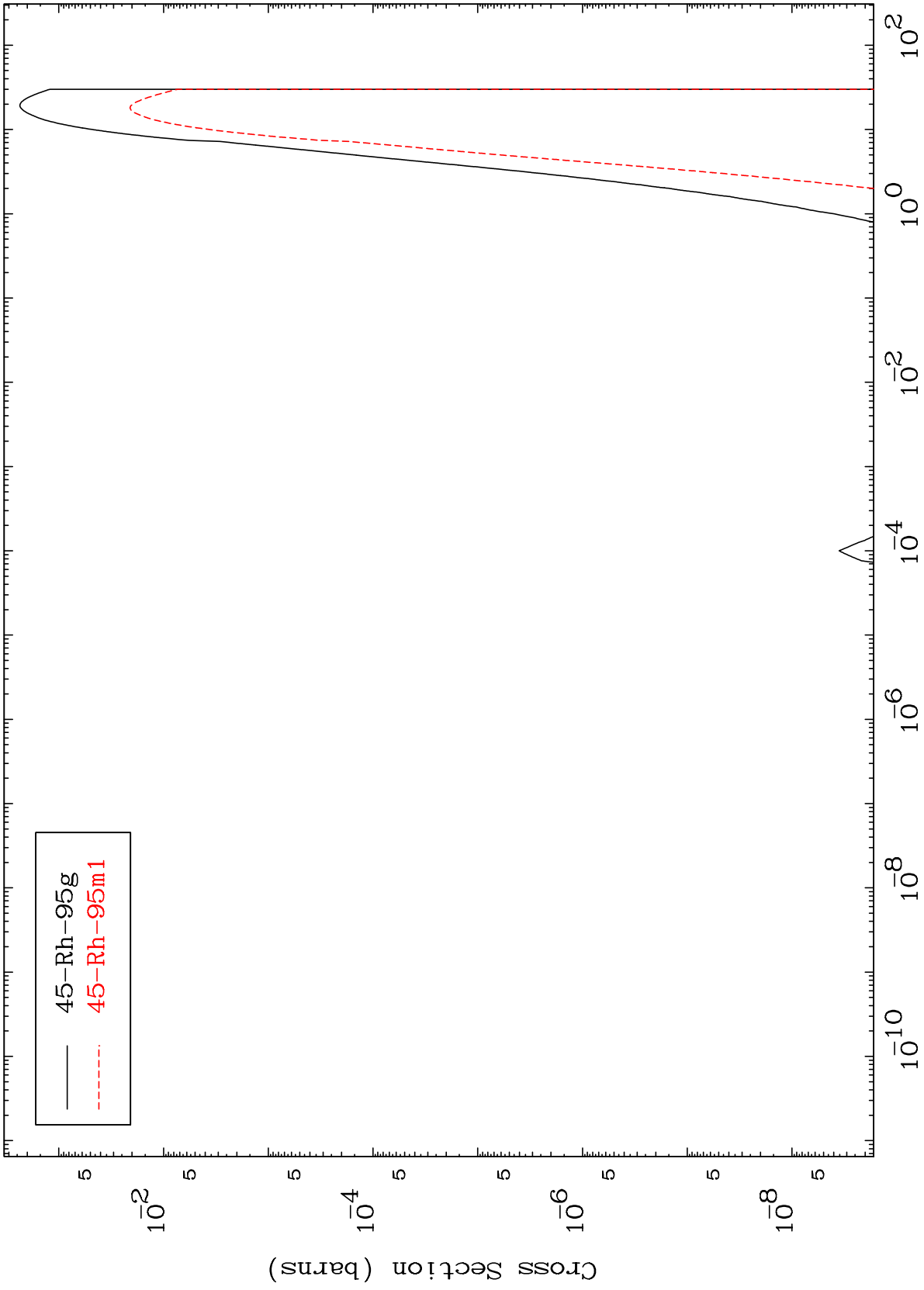
32

MAT 4804

(n,p) α

48-Cd-99

Radionuclide Production Cross Section

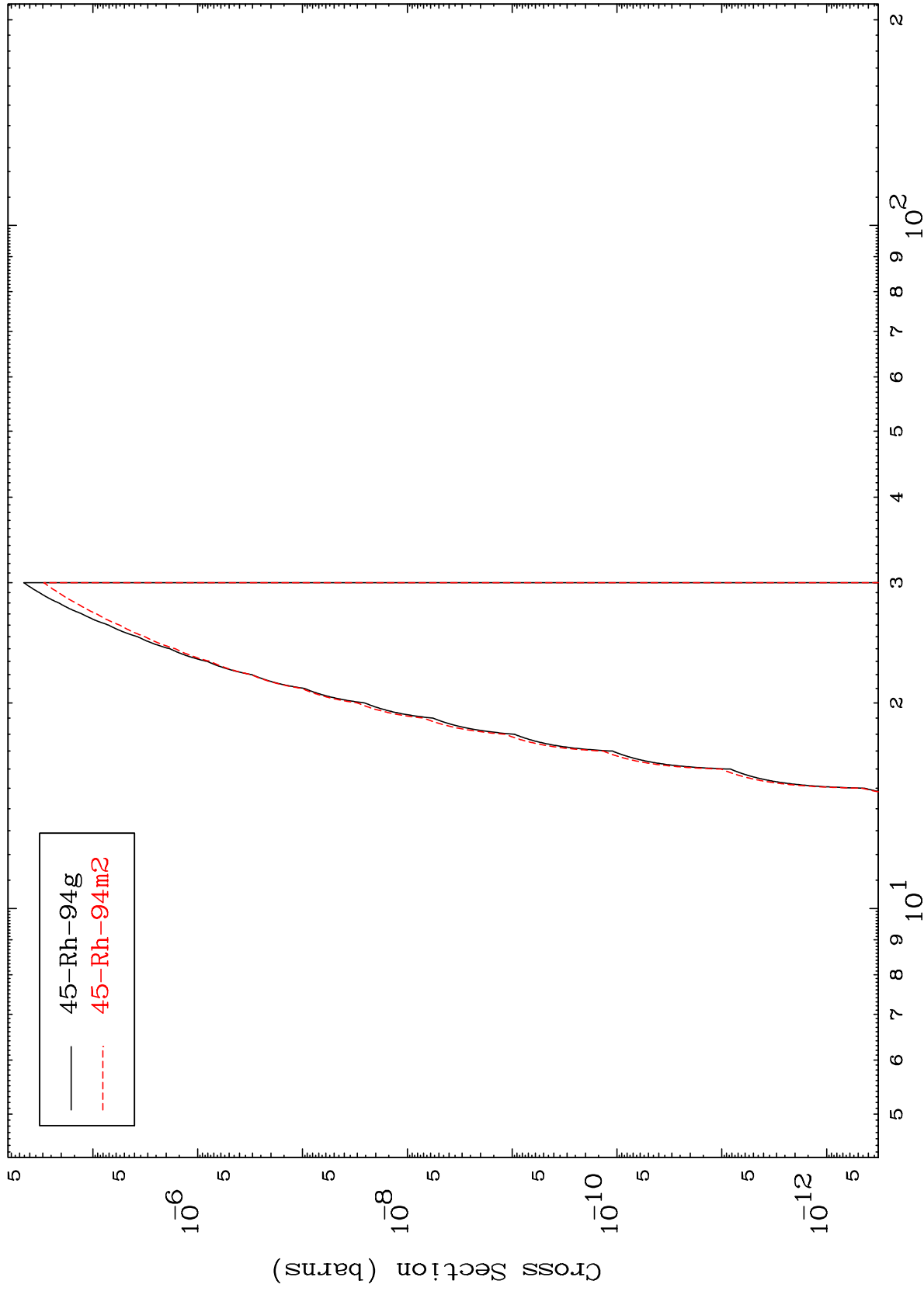


MAT 4804

(n,d) α

48-Cd-99

Radionuclide Production Cross Section



34

Incident Energy (MeV)

48-Cd-99