

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

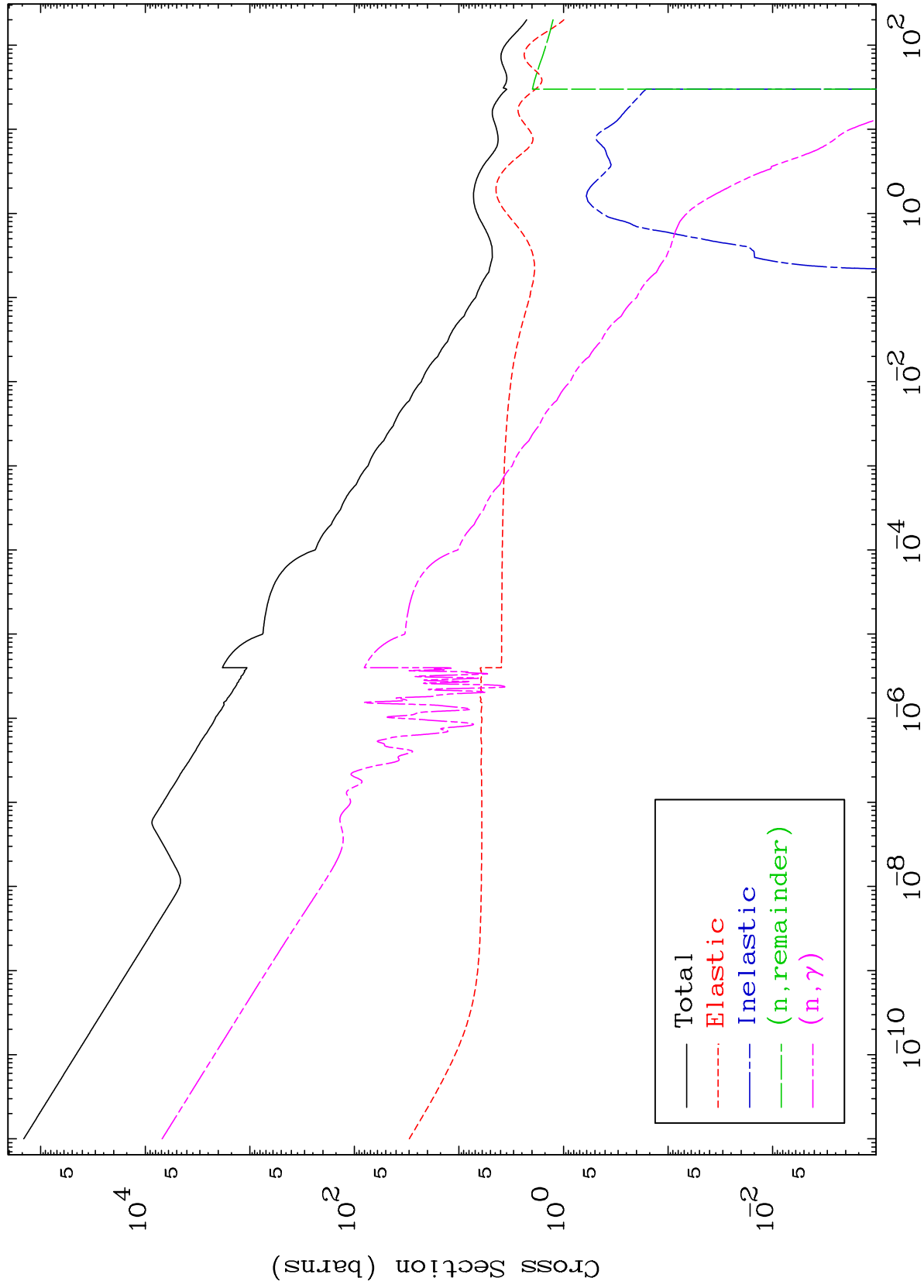
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6386

Major
293 Kelvin Cross Sections

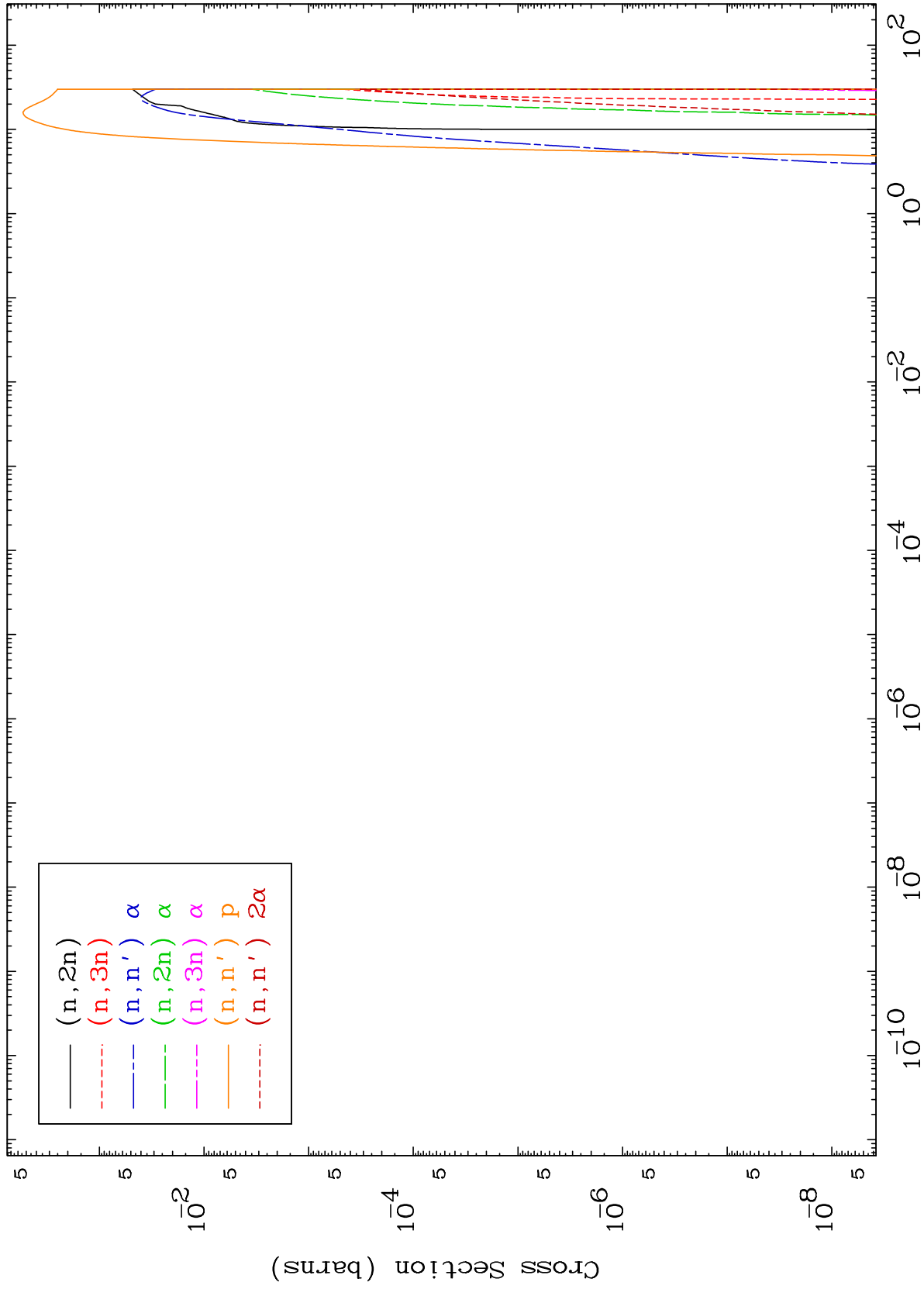
64-Gd-139



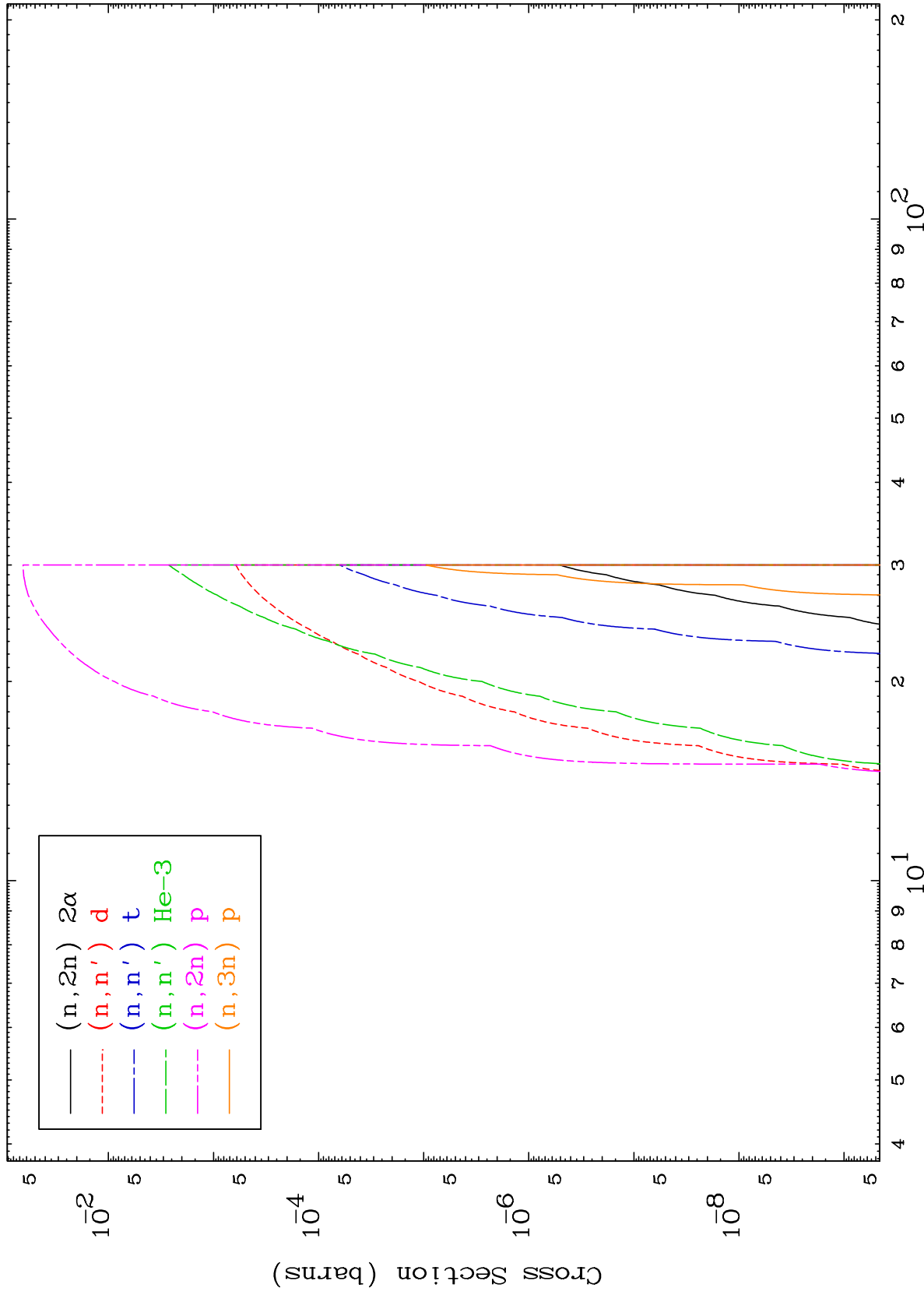
MAT 6386

Neutron Production
293 Kelvin Cross Sections

64-Gd-139



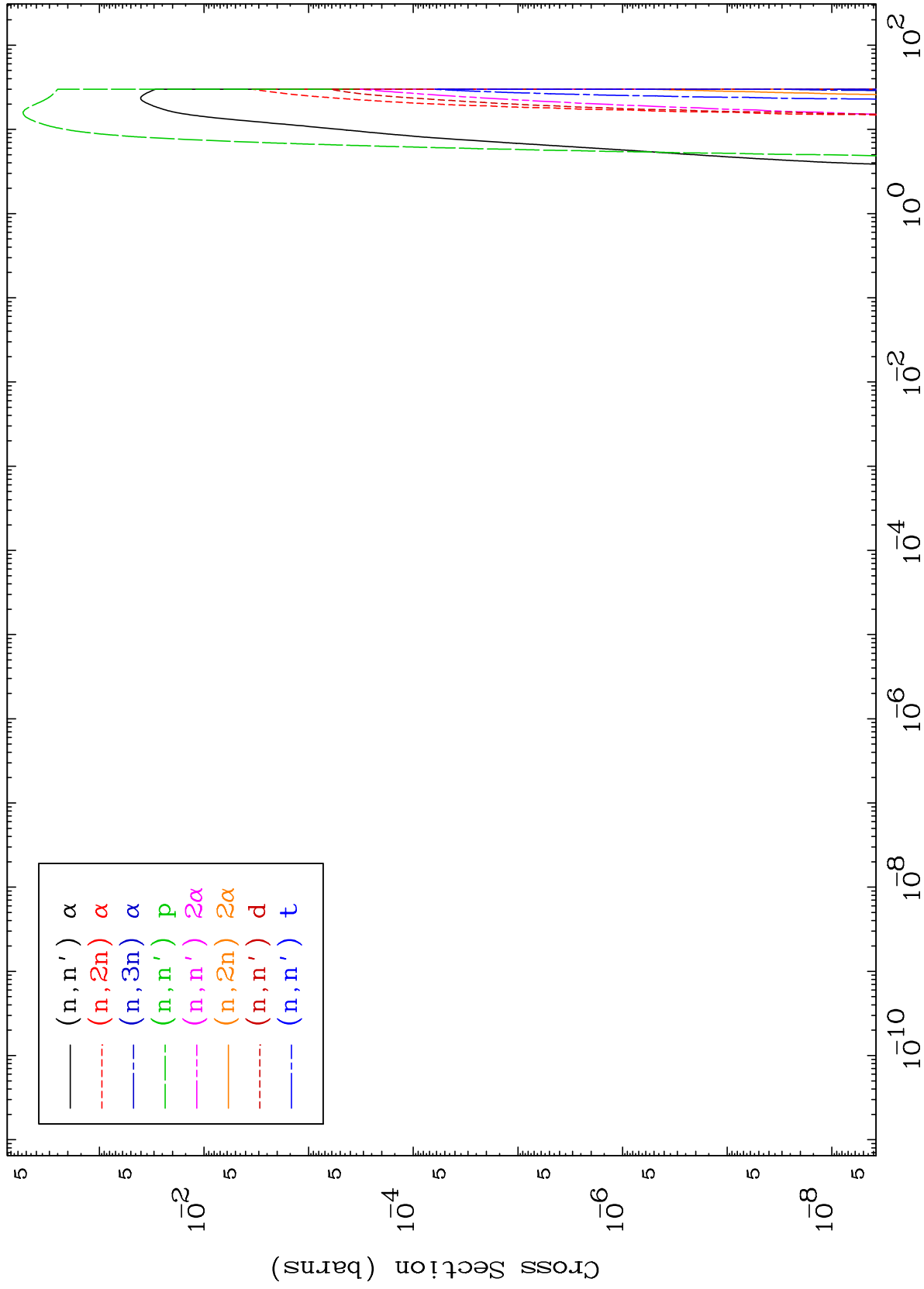
64-Gd-139



MAT 6386

293 Charged Particle
Kelvin Cross Sections

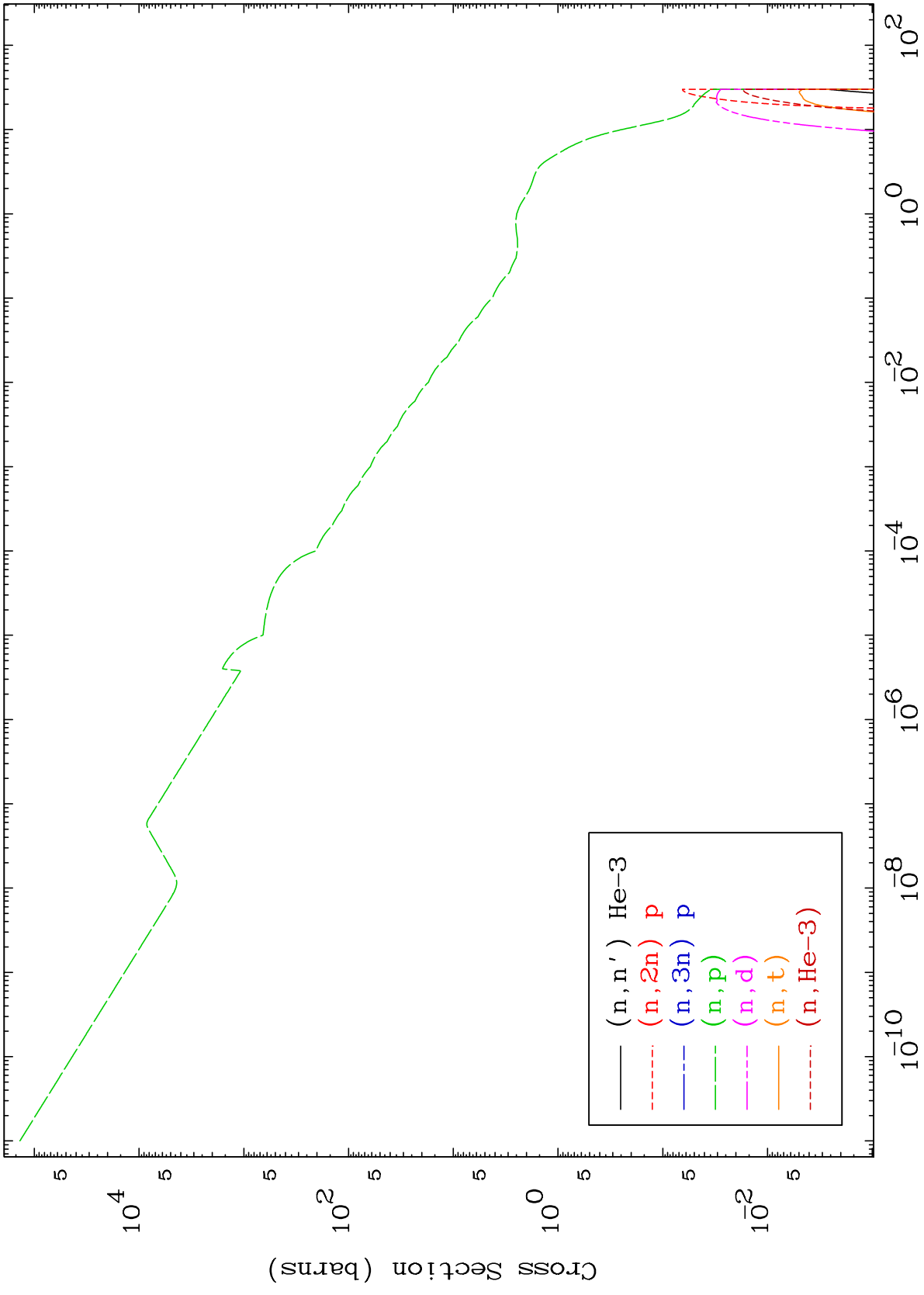
64-Gd-139



MAT 6386

293 Kelvin Cross Sections
Charged Particle

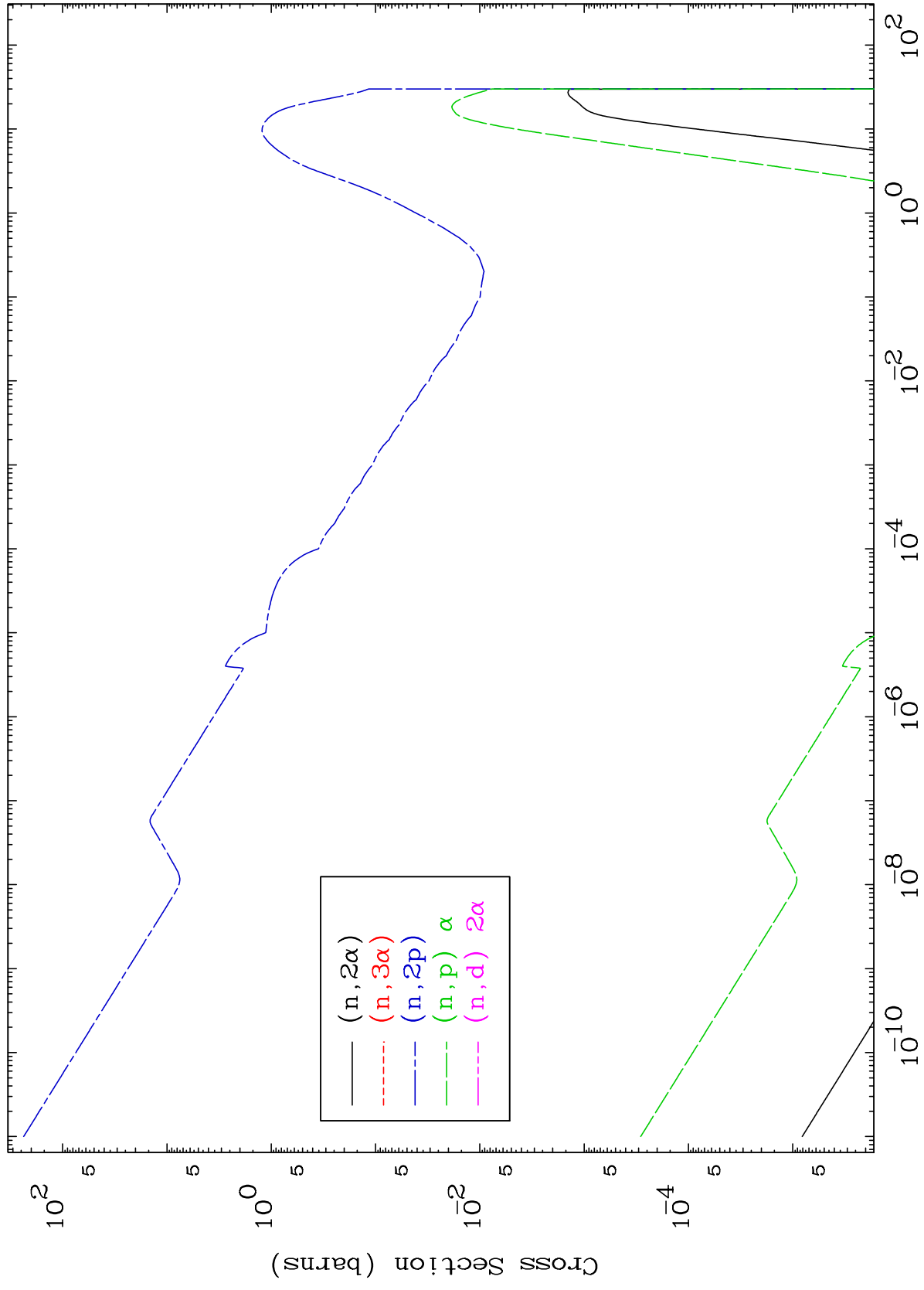
64-Gd-139



MAT 6386

293 Kelvin Cross Sections

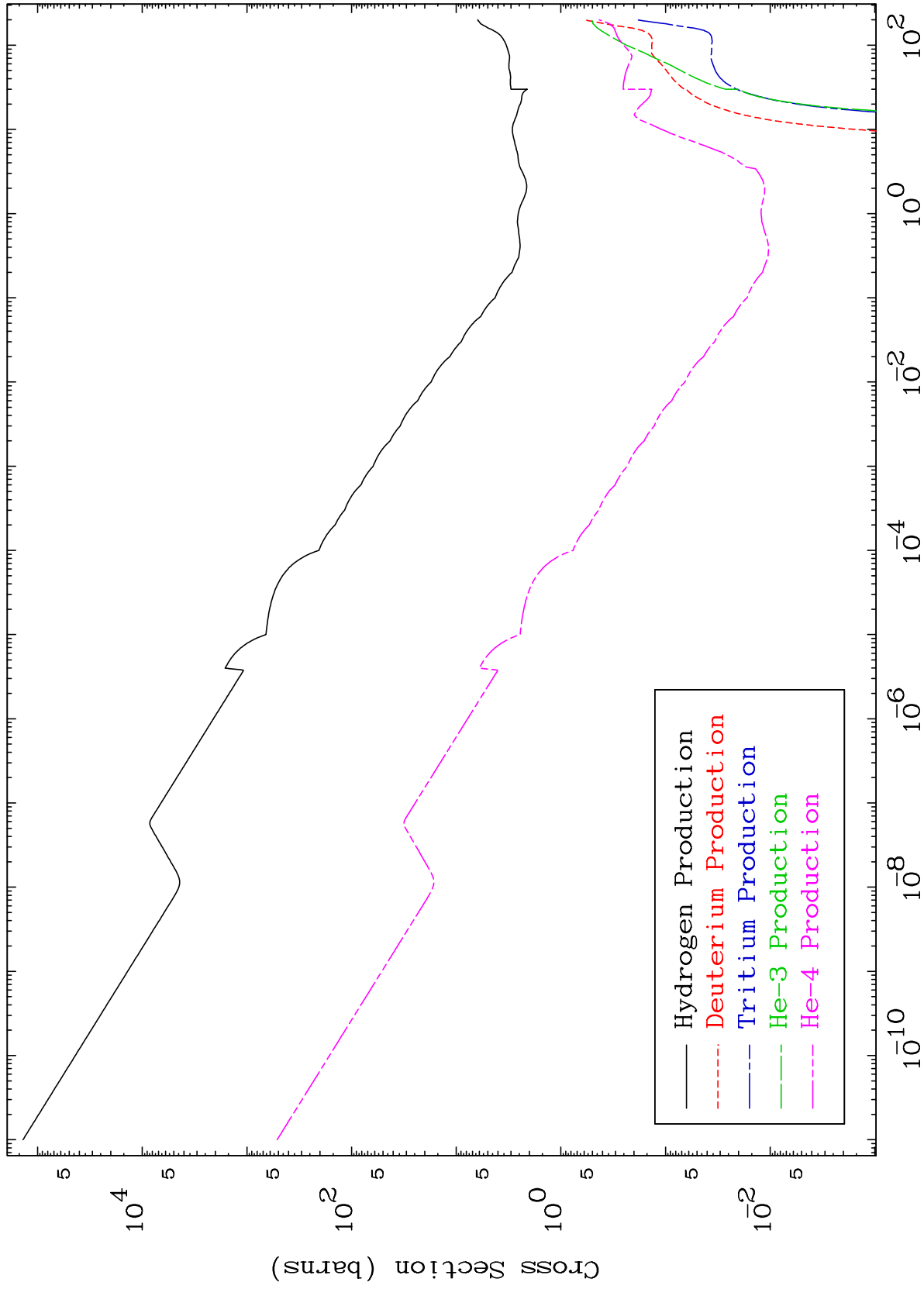
64-Gd-139



MAT 6386

Particle Production
293 Kelvin Cross Sections

64-Gd-139

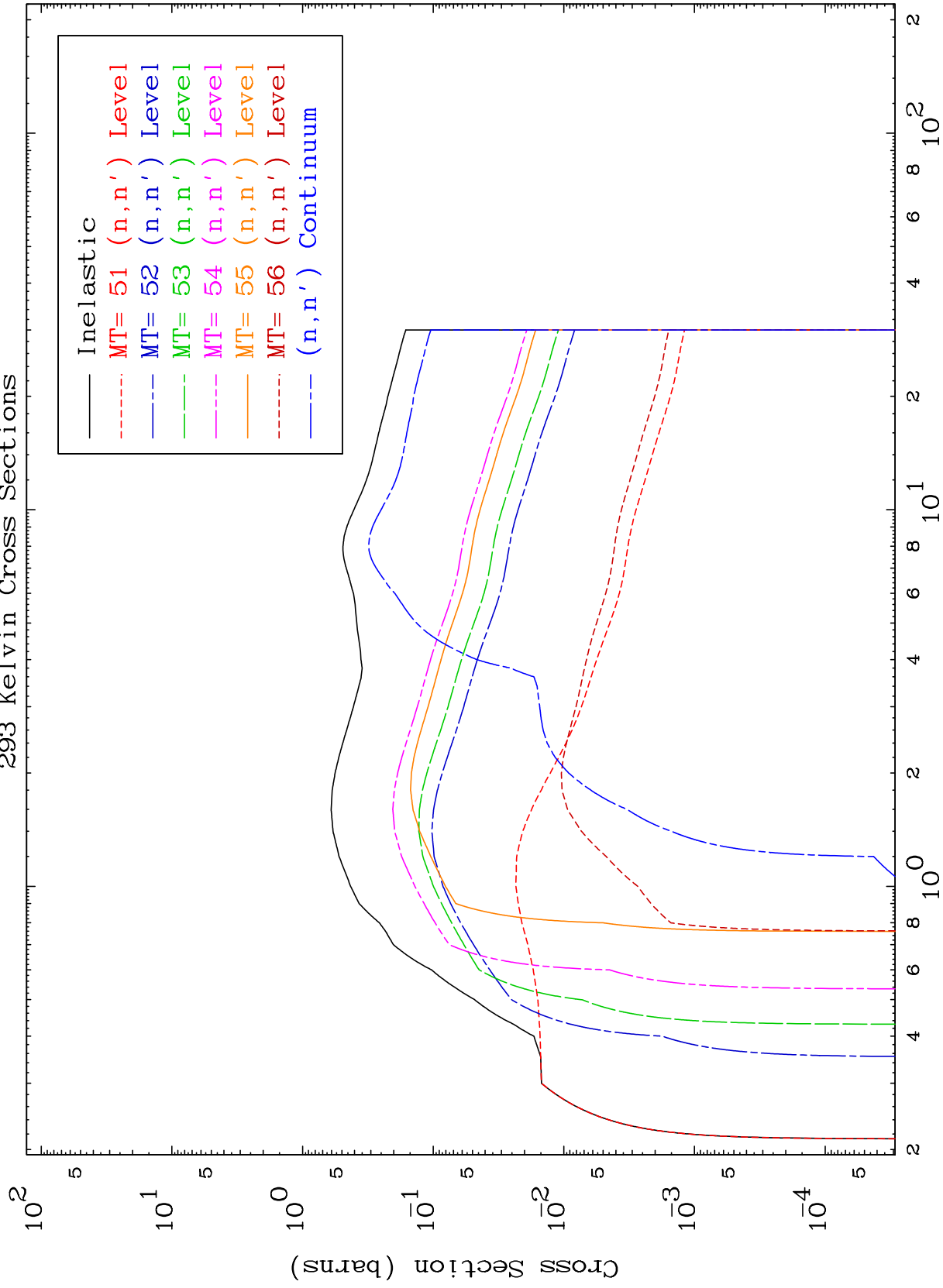


64-Gd-139

MAT 6386

(n,n') Level
293 Kelvin Cross Sections

64-Gd-139



8

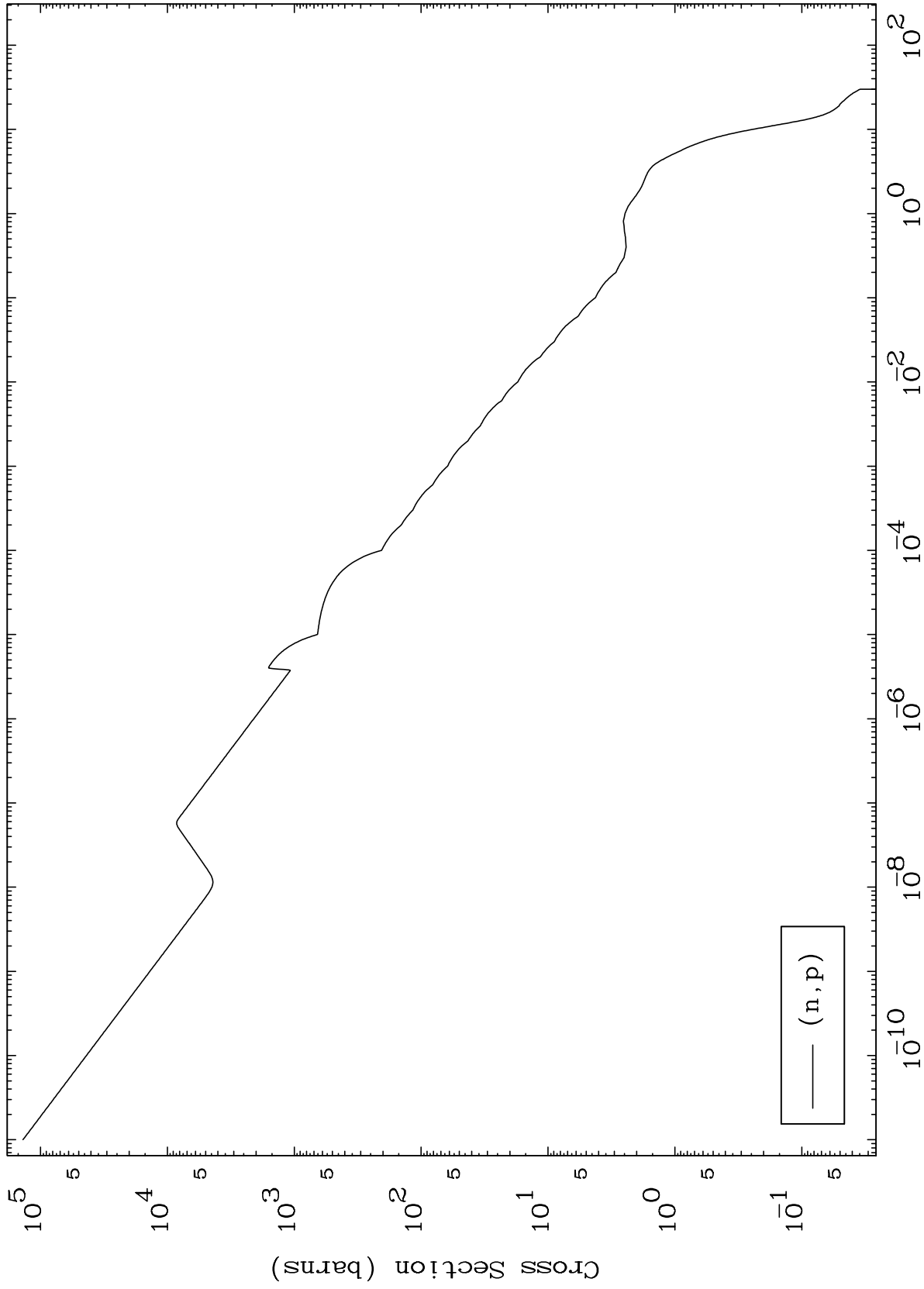
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,p) Levels
293 Kelvin Cross Sections

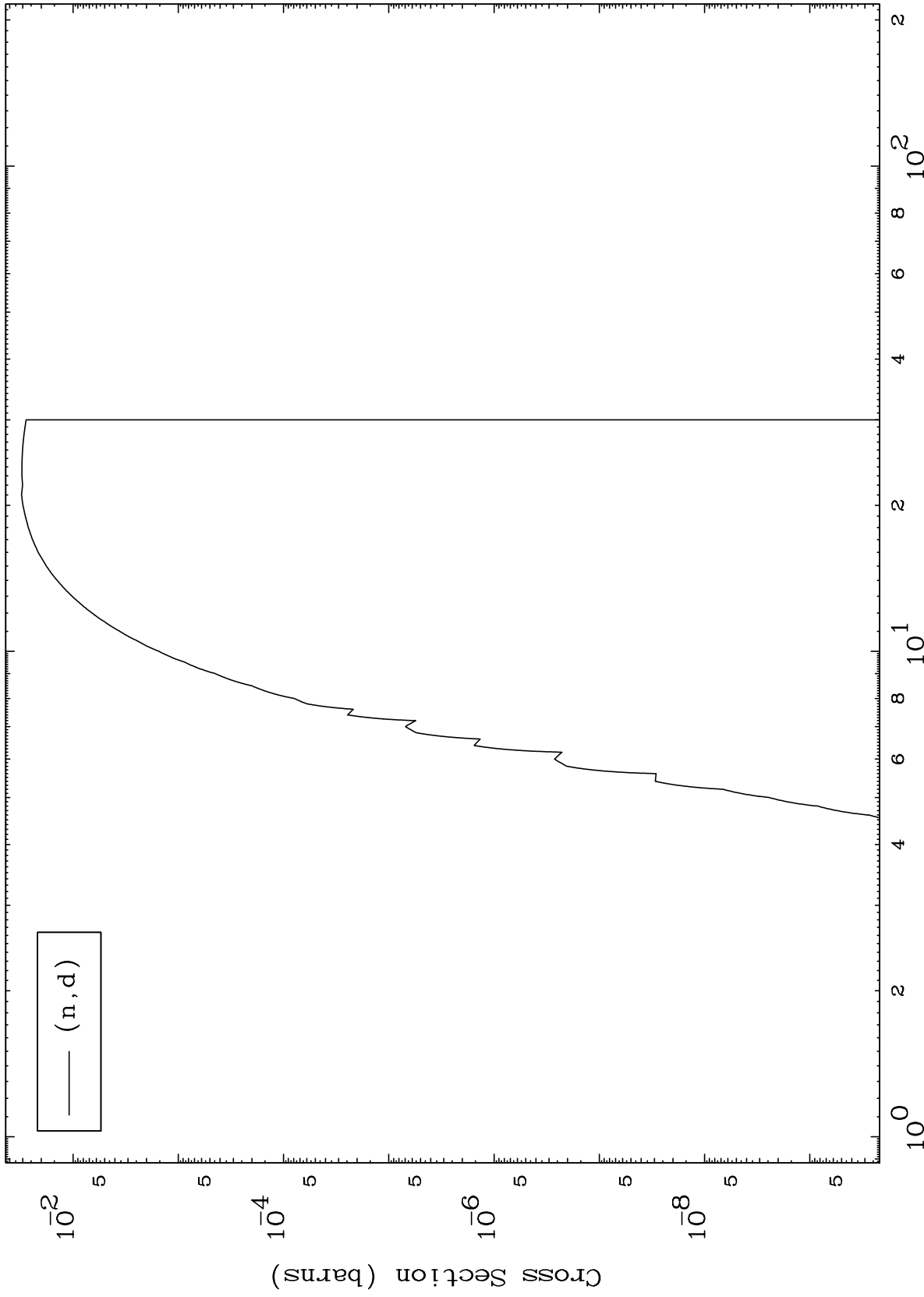
64-Gd-139



MAT 6386

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-139



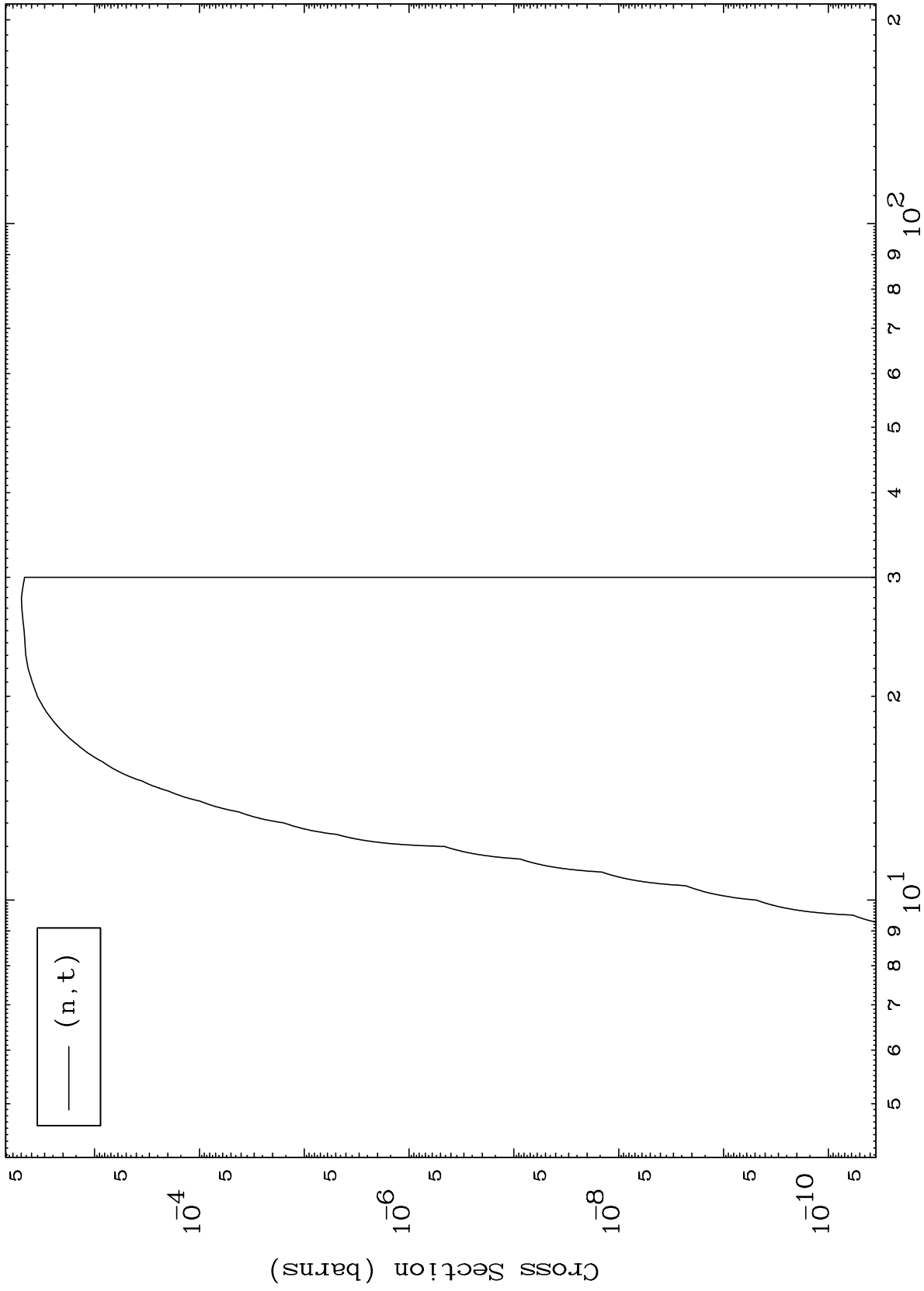
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-139



11

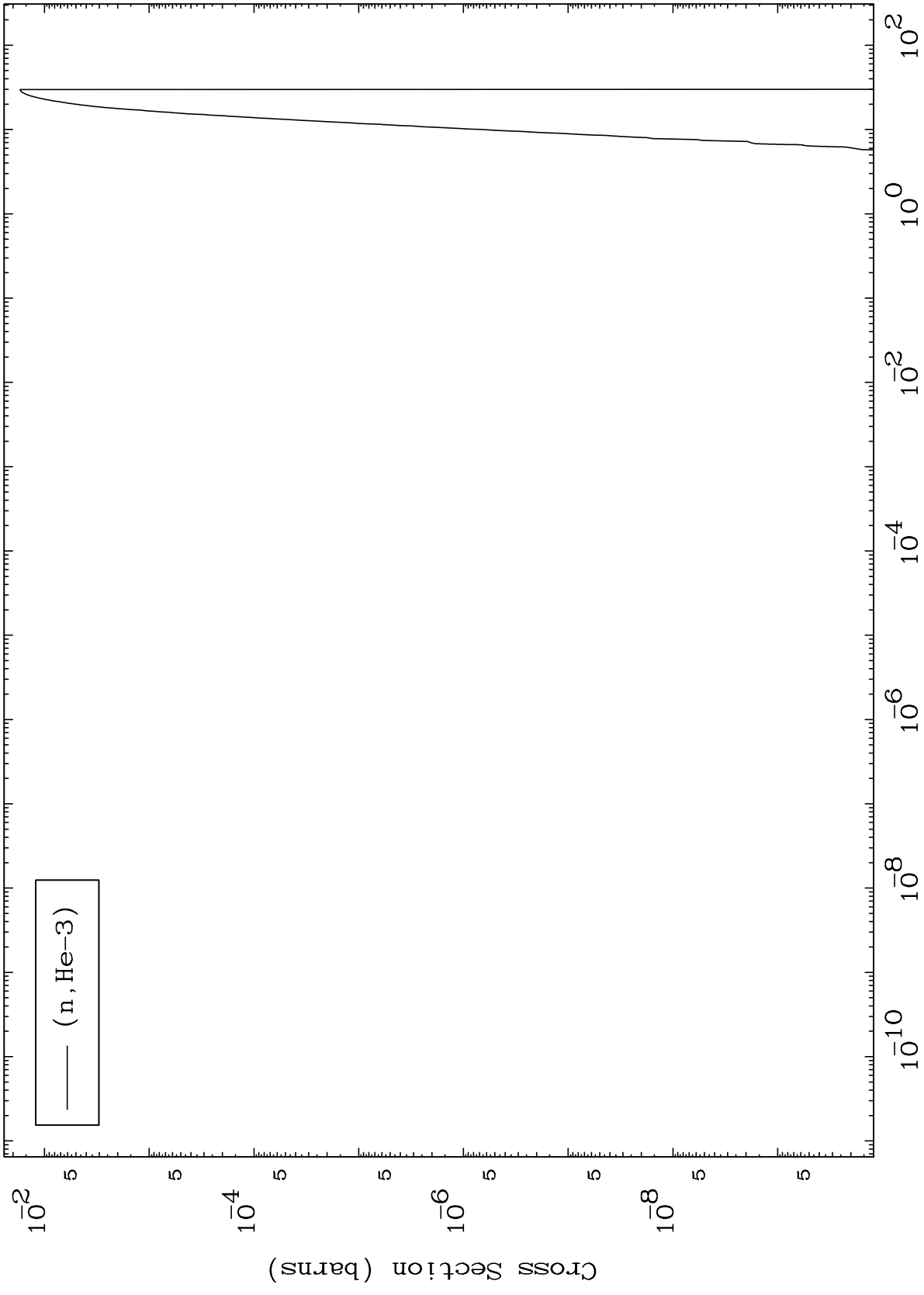
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-139



12

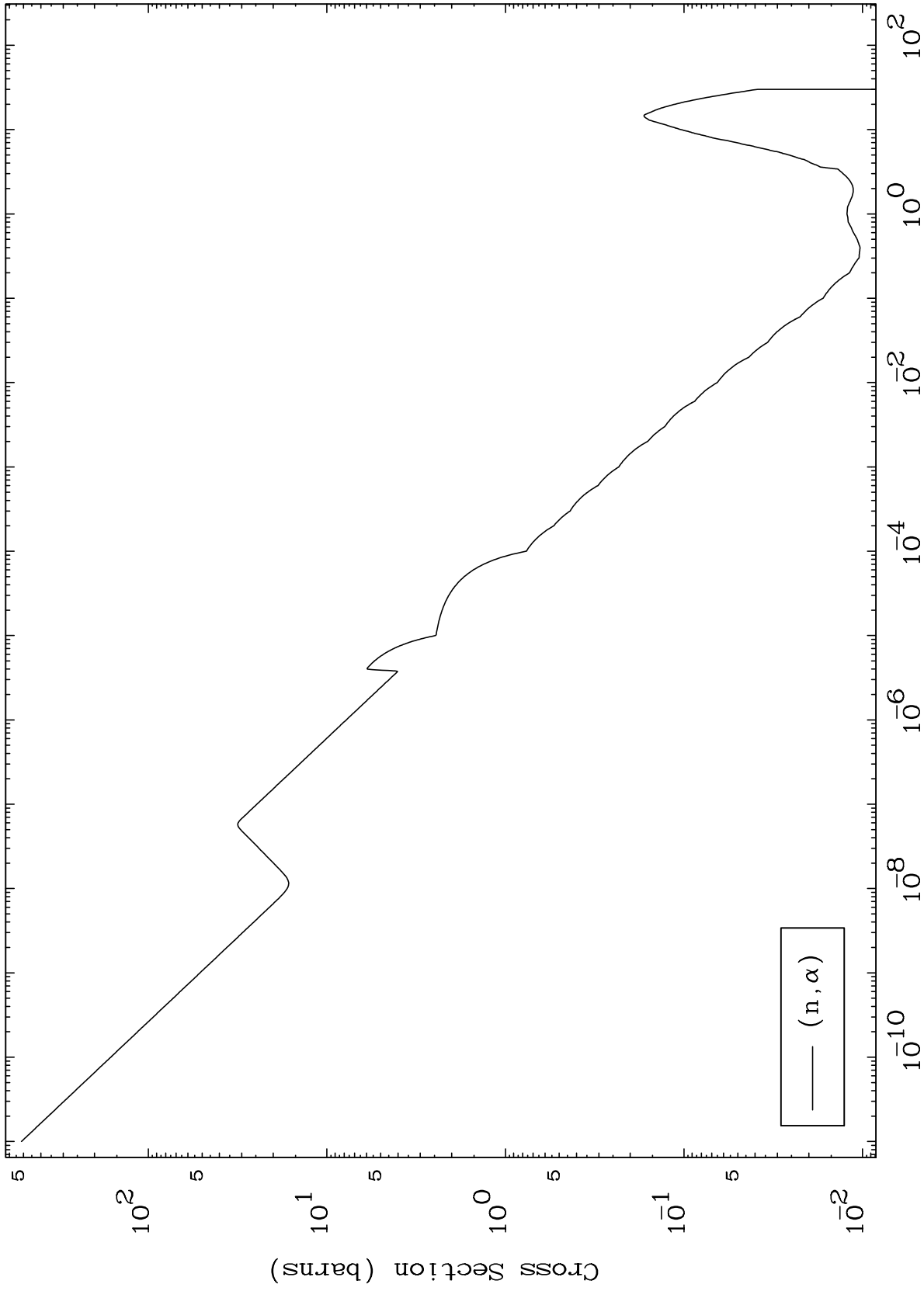
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,α) Levels
293 Kelvin Cross Sections

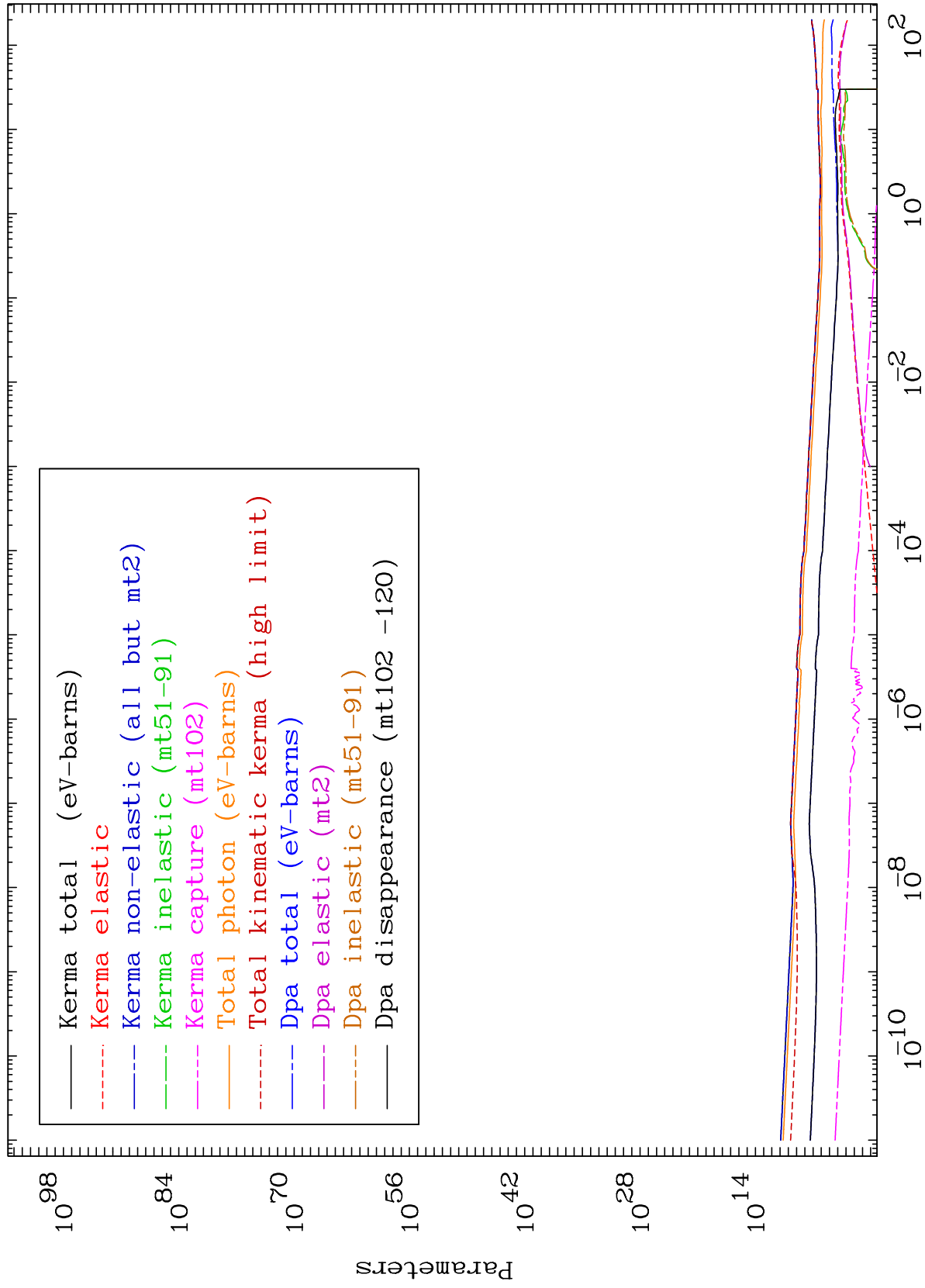
64-Gd-139



13

Incident Energy (MeV)

64-Gd-139



MAT 6386

Elastic Legendre Coefficients

64-Gd-139



15

Incident Energy (MeV)

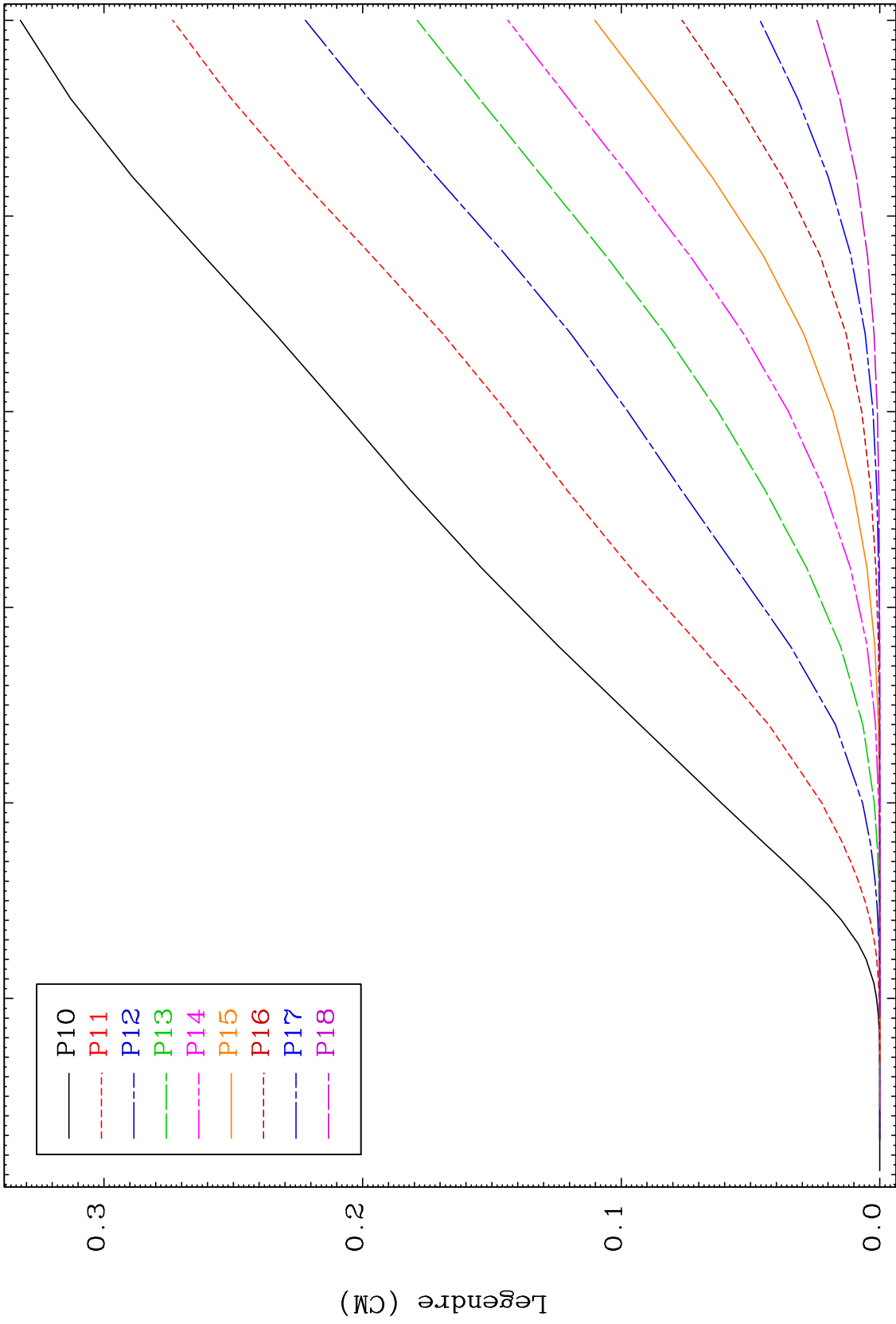
64-Gd-139

30

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



16

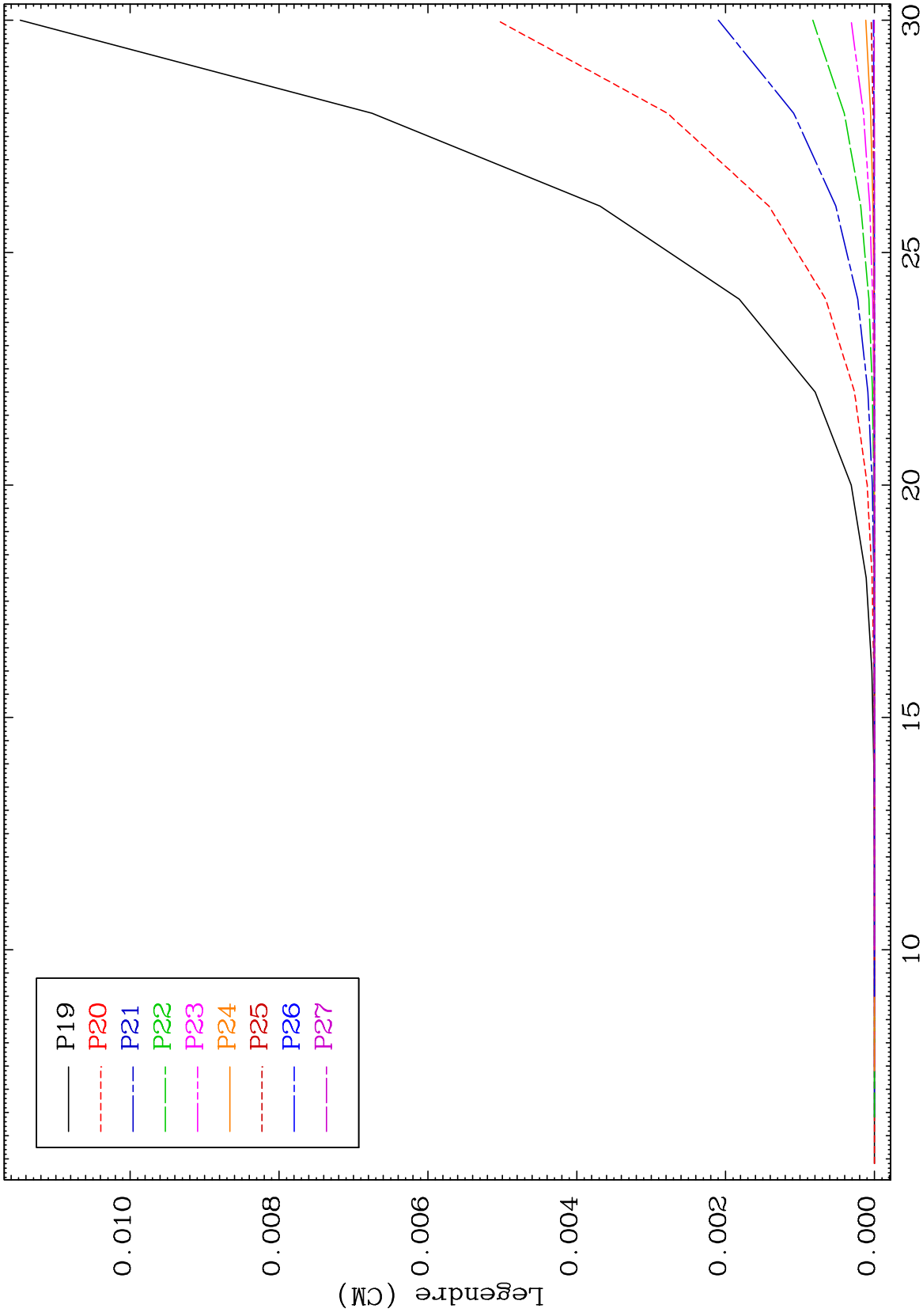
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



17

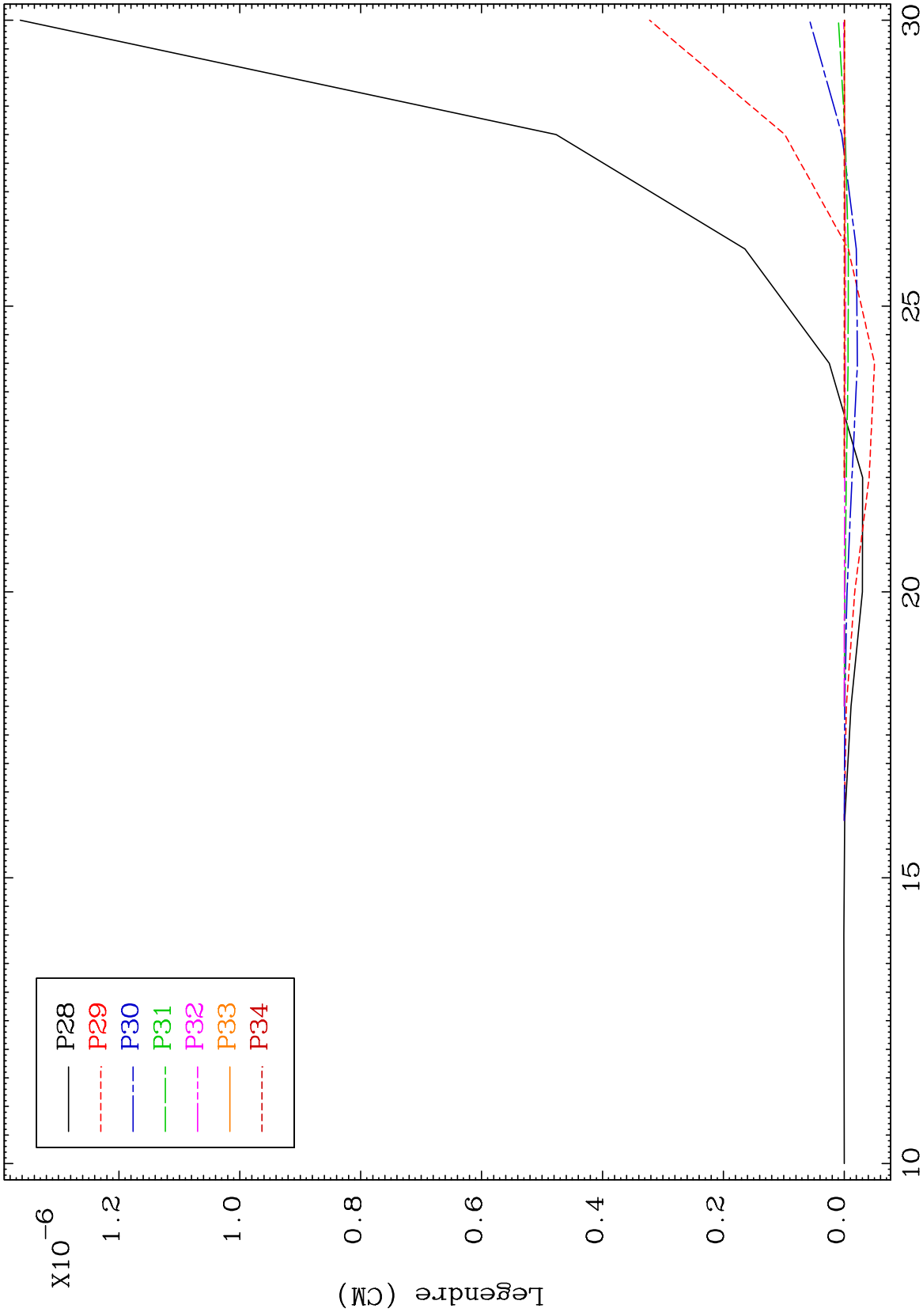
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



18

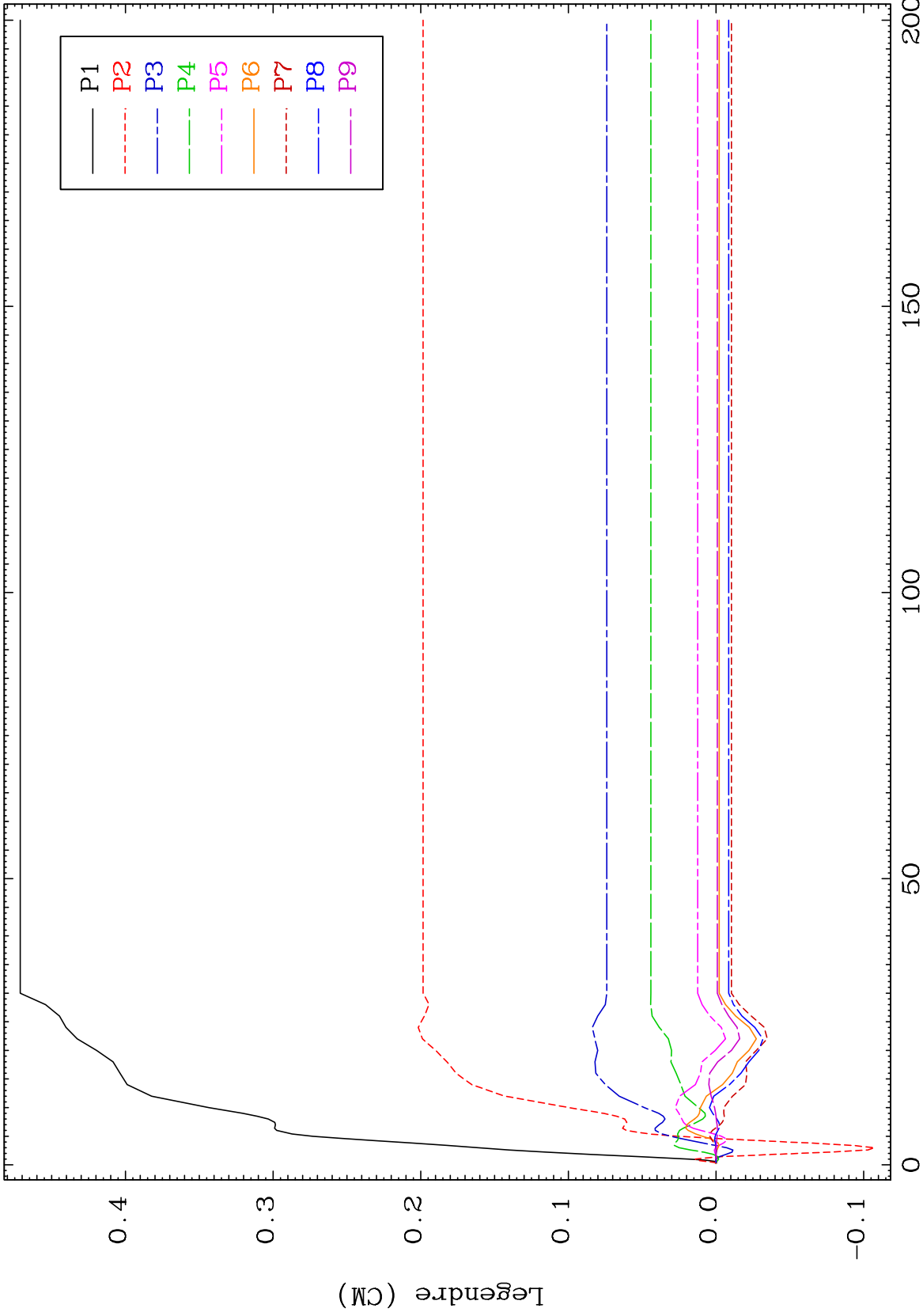
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



19

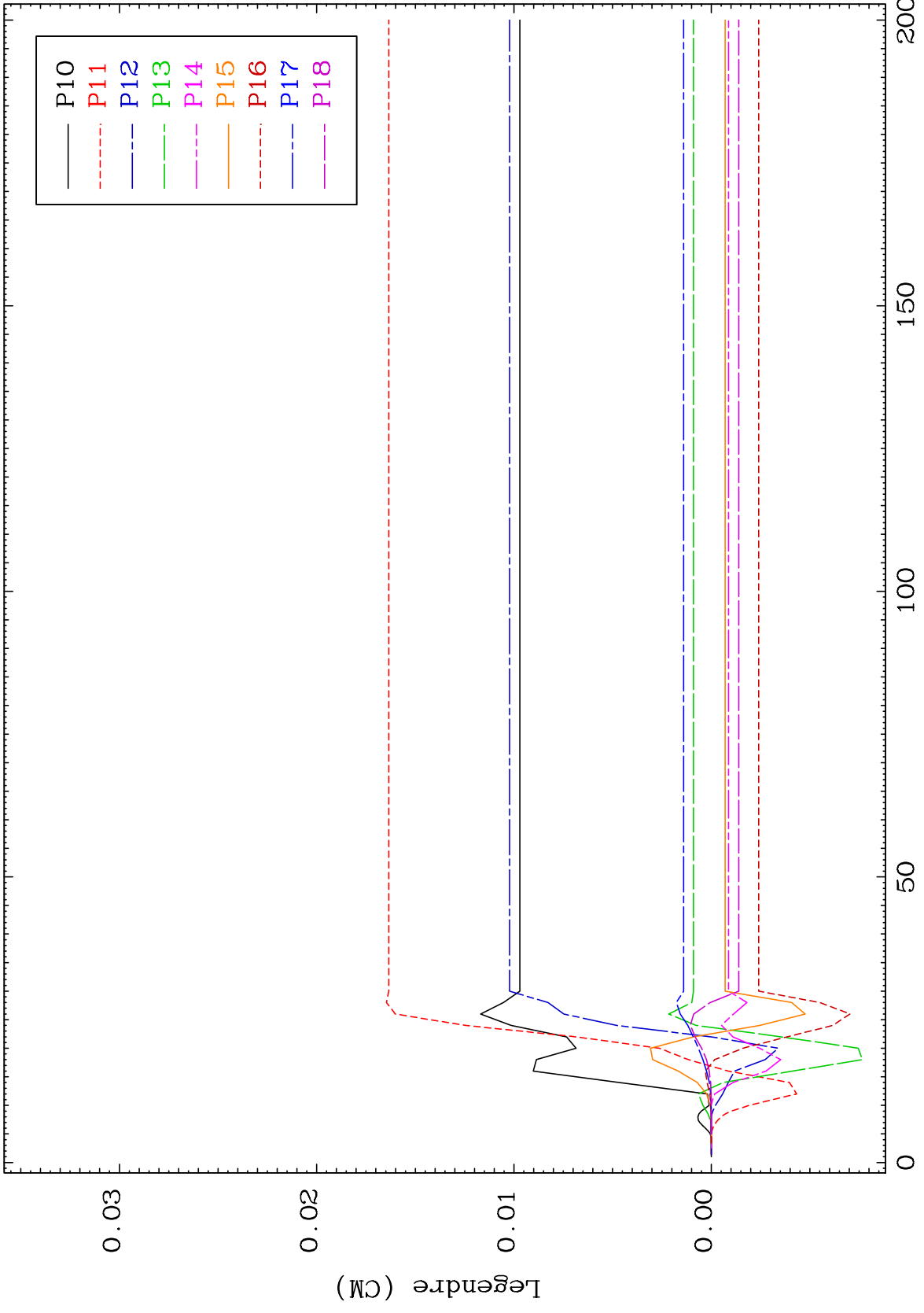
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



0

20

50

100

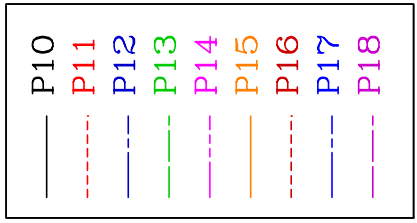
150

200

Incident Energy (MeV)

64-Gd-139

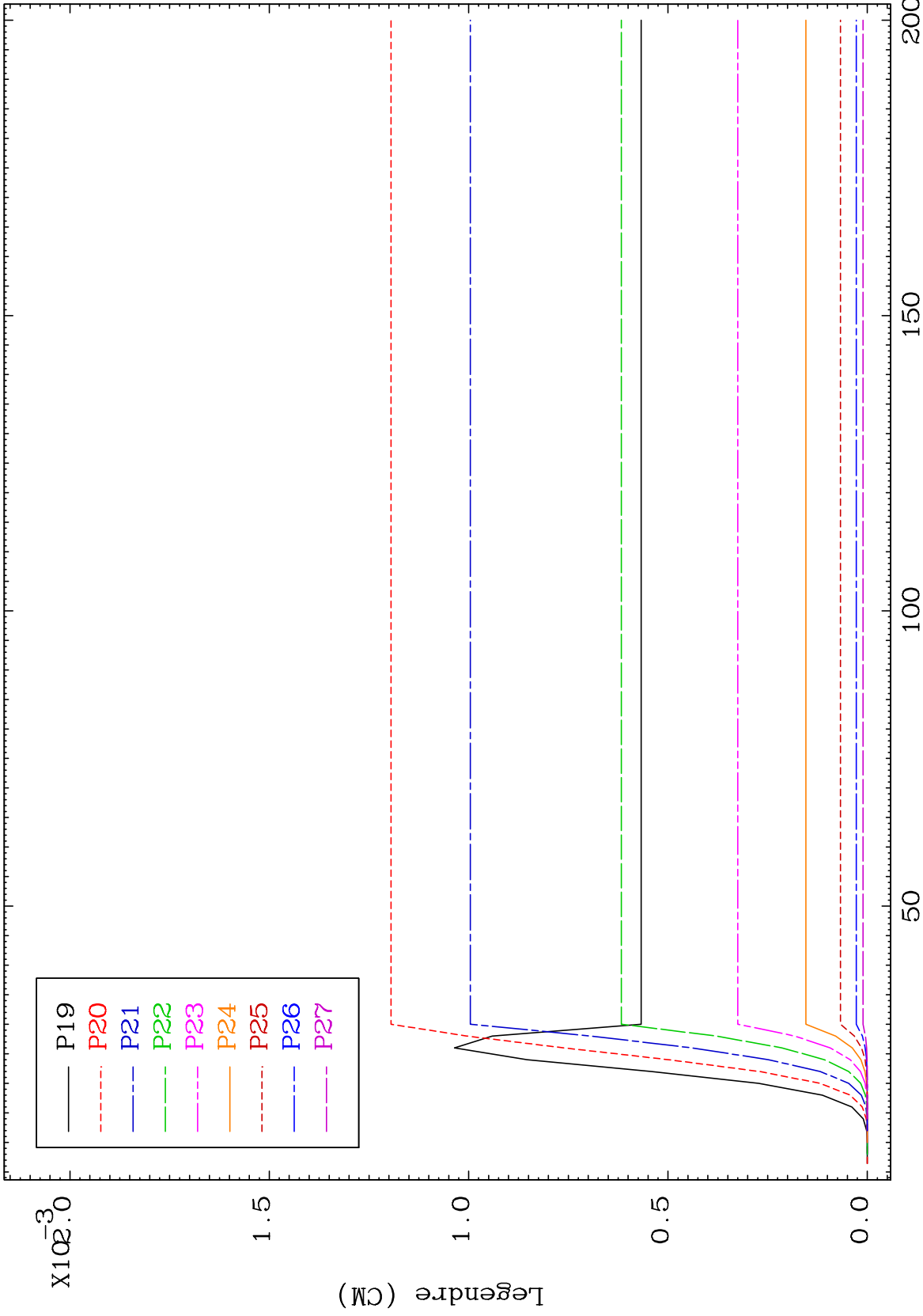
Legendre (CM)



MAT 6386

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

64-Gd-139



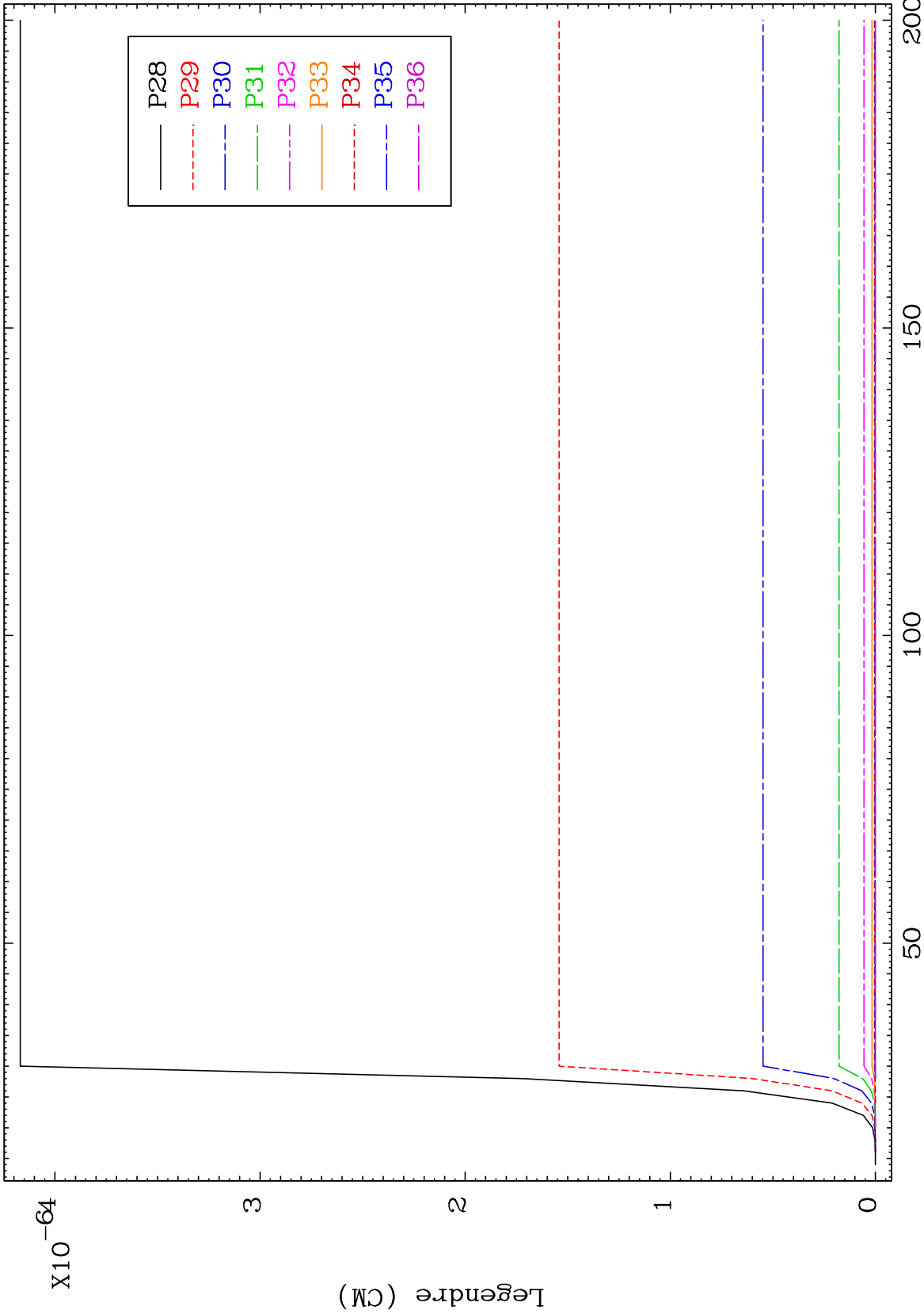
21

64-Gd-139

MAT 6386

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

64-Gd-139



22

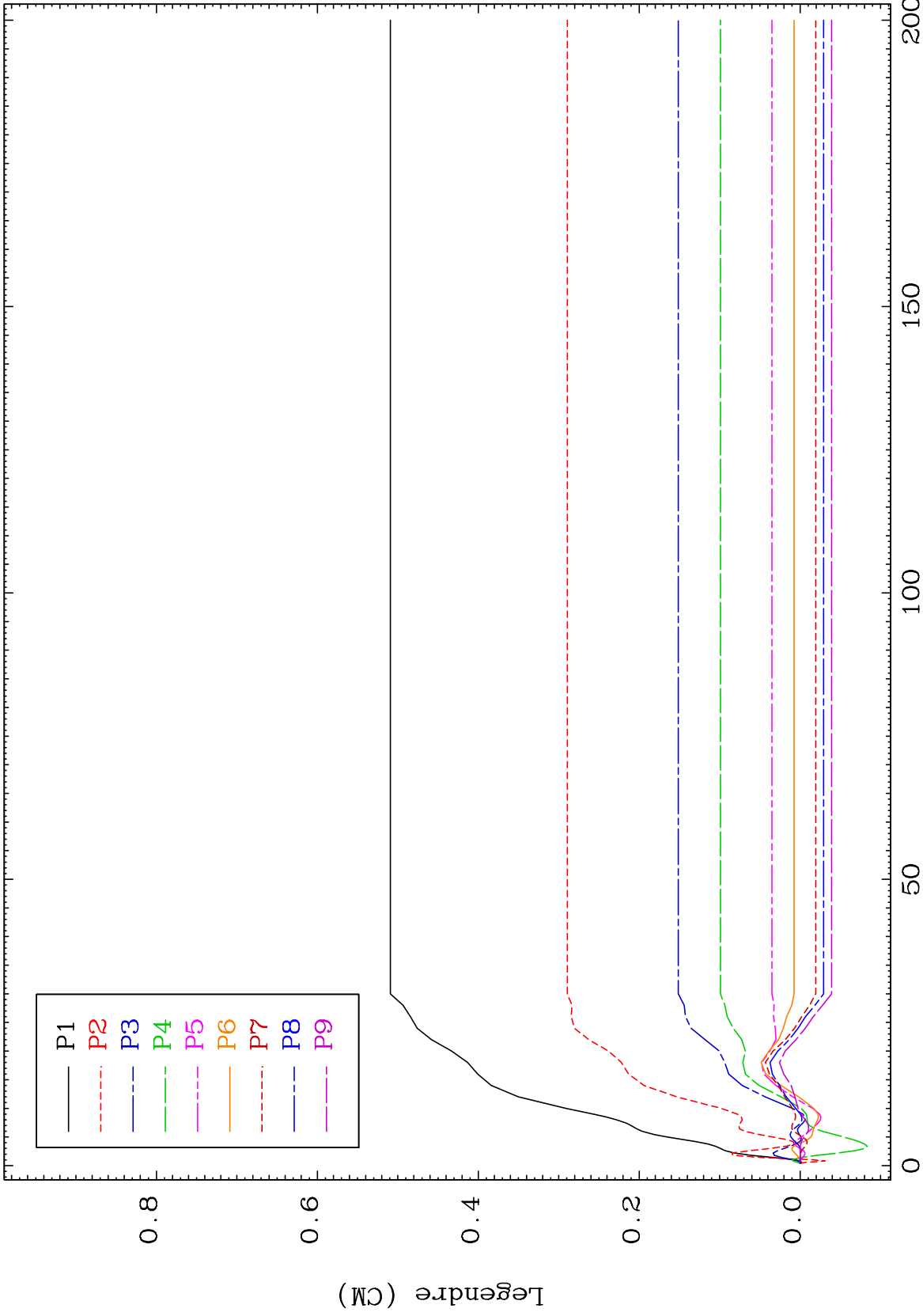
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



23

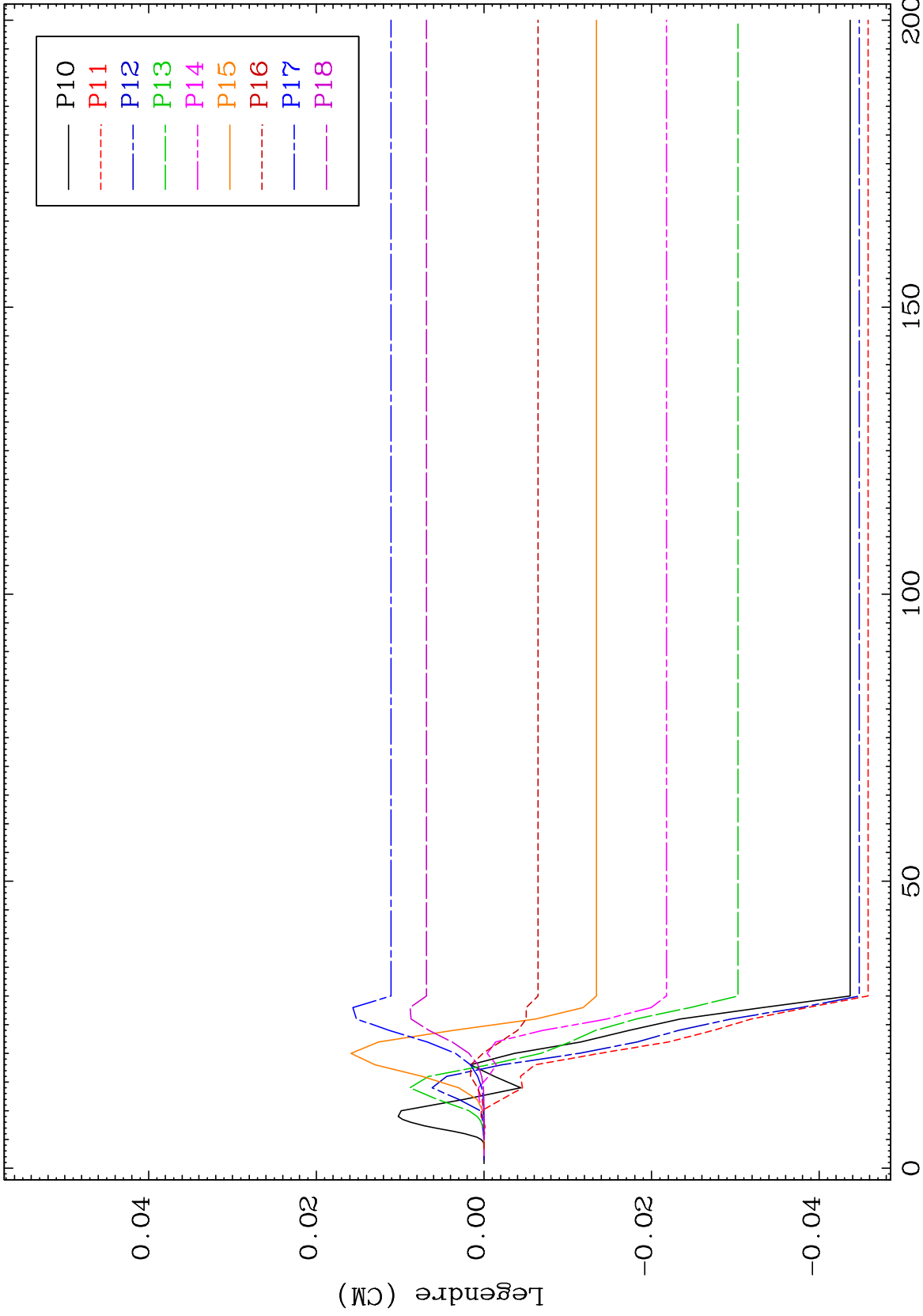
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



24

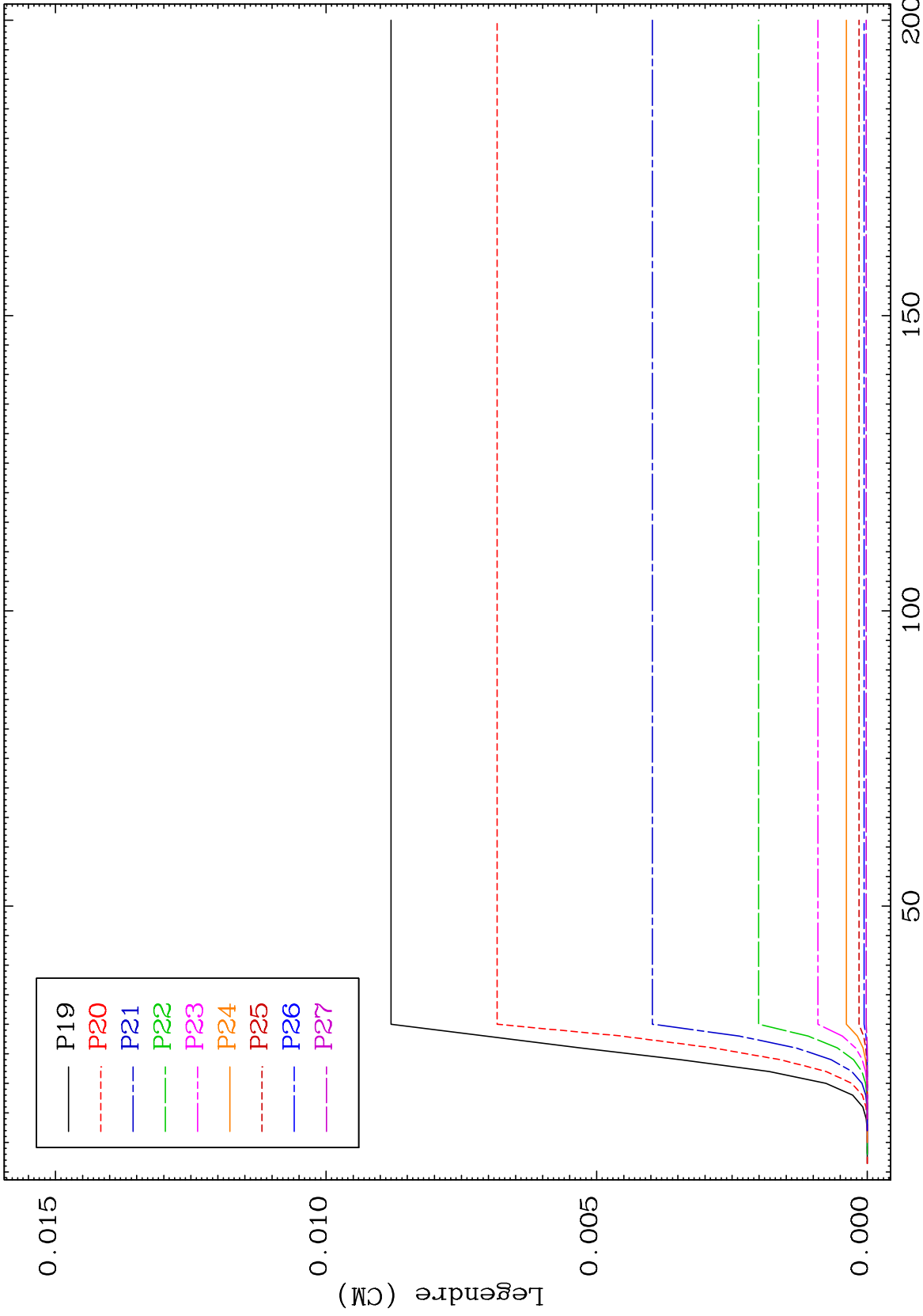
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



25

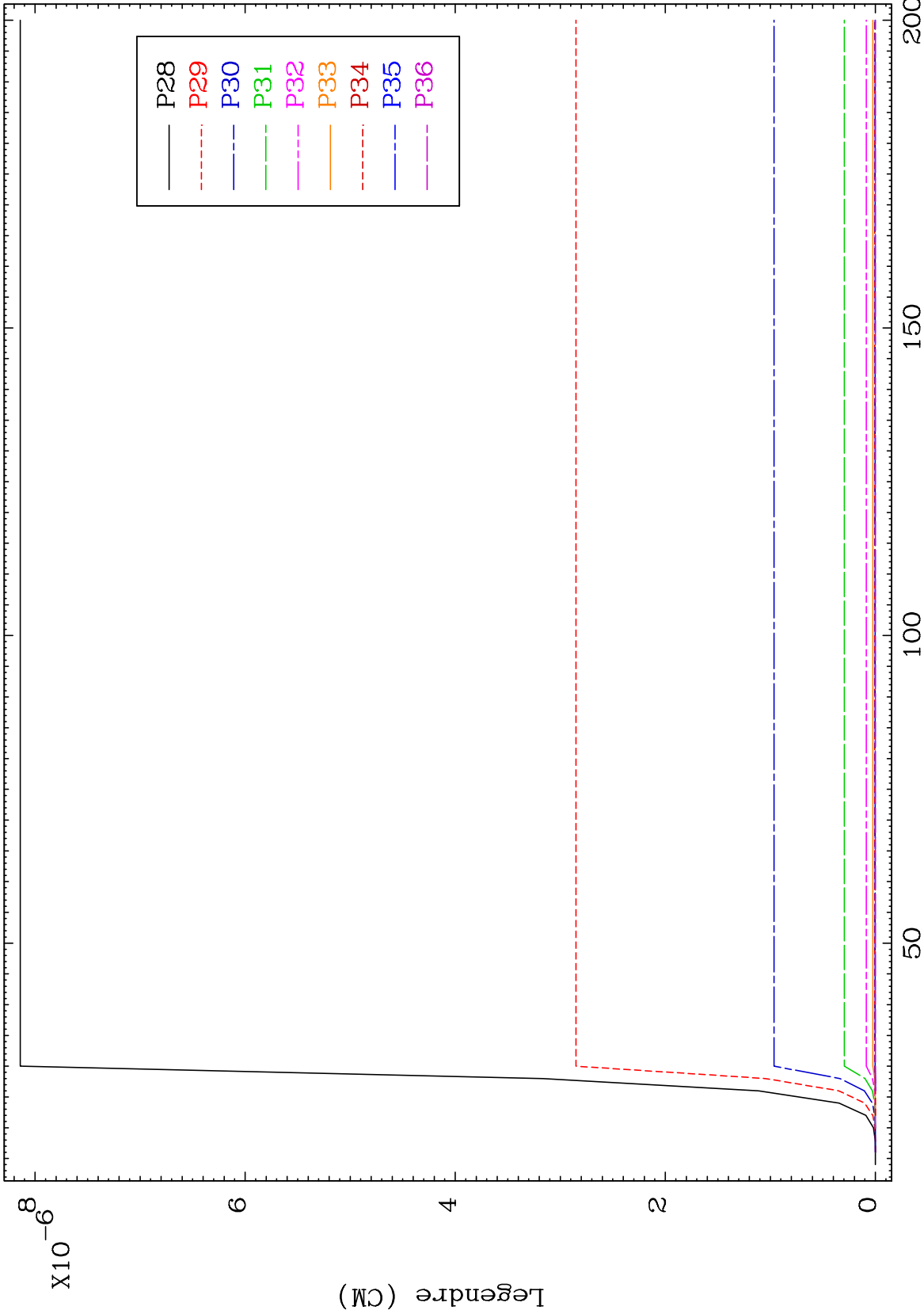
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



26

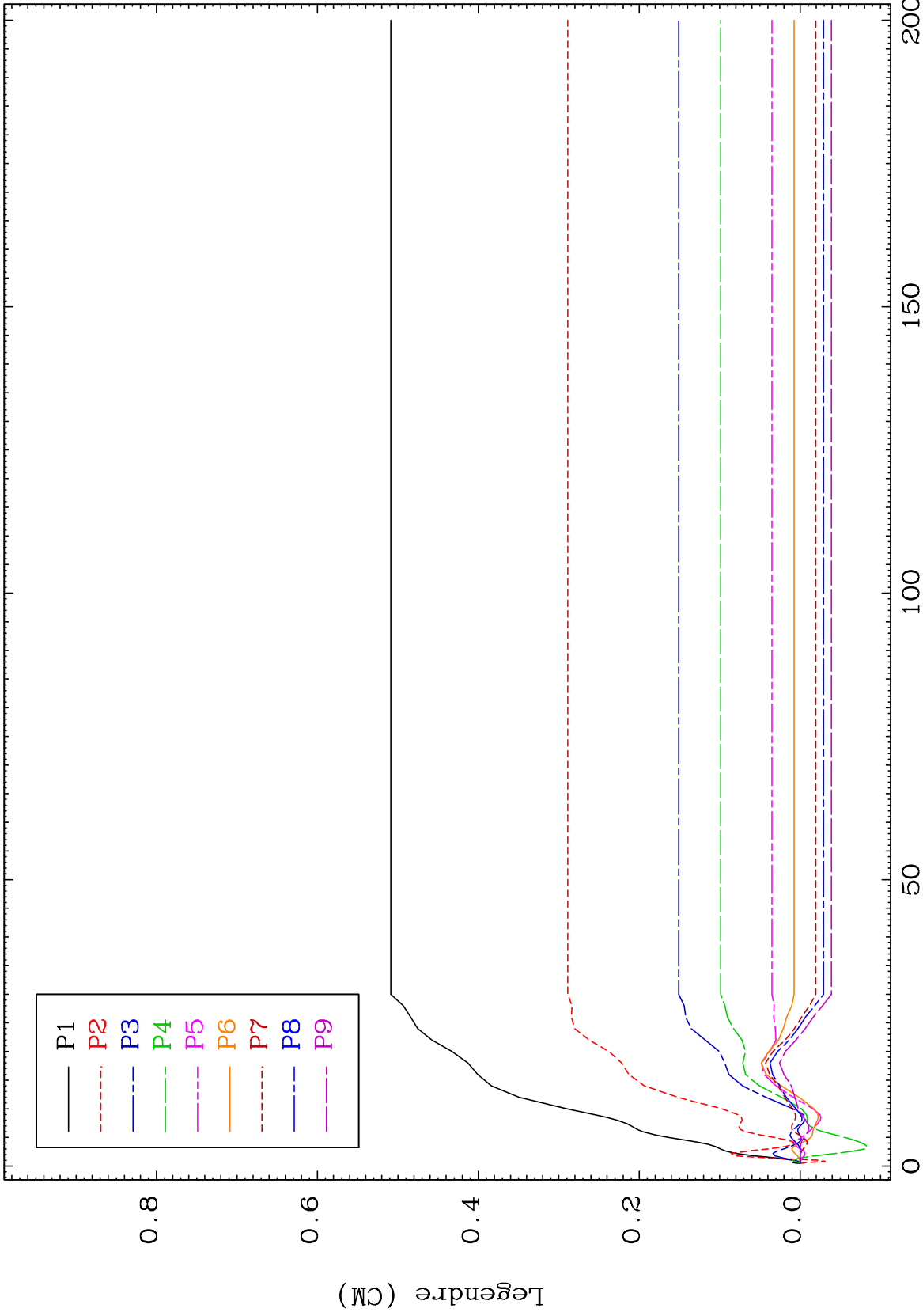
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



27

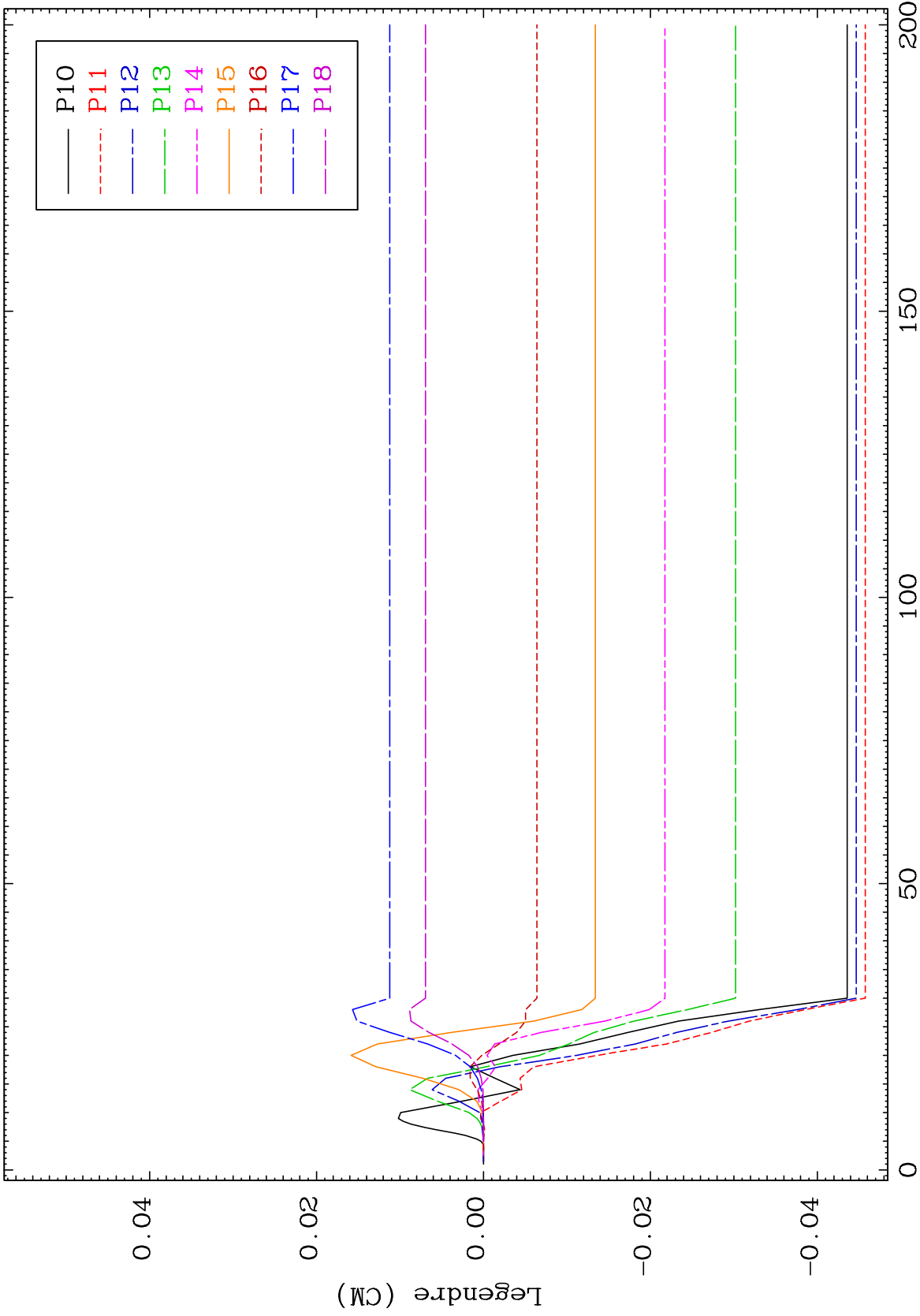
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



28

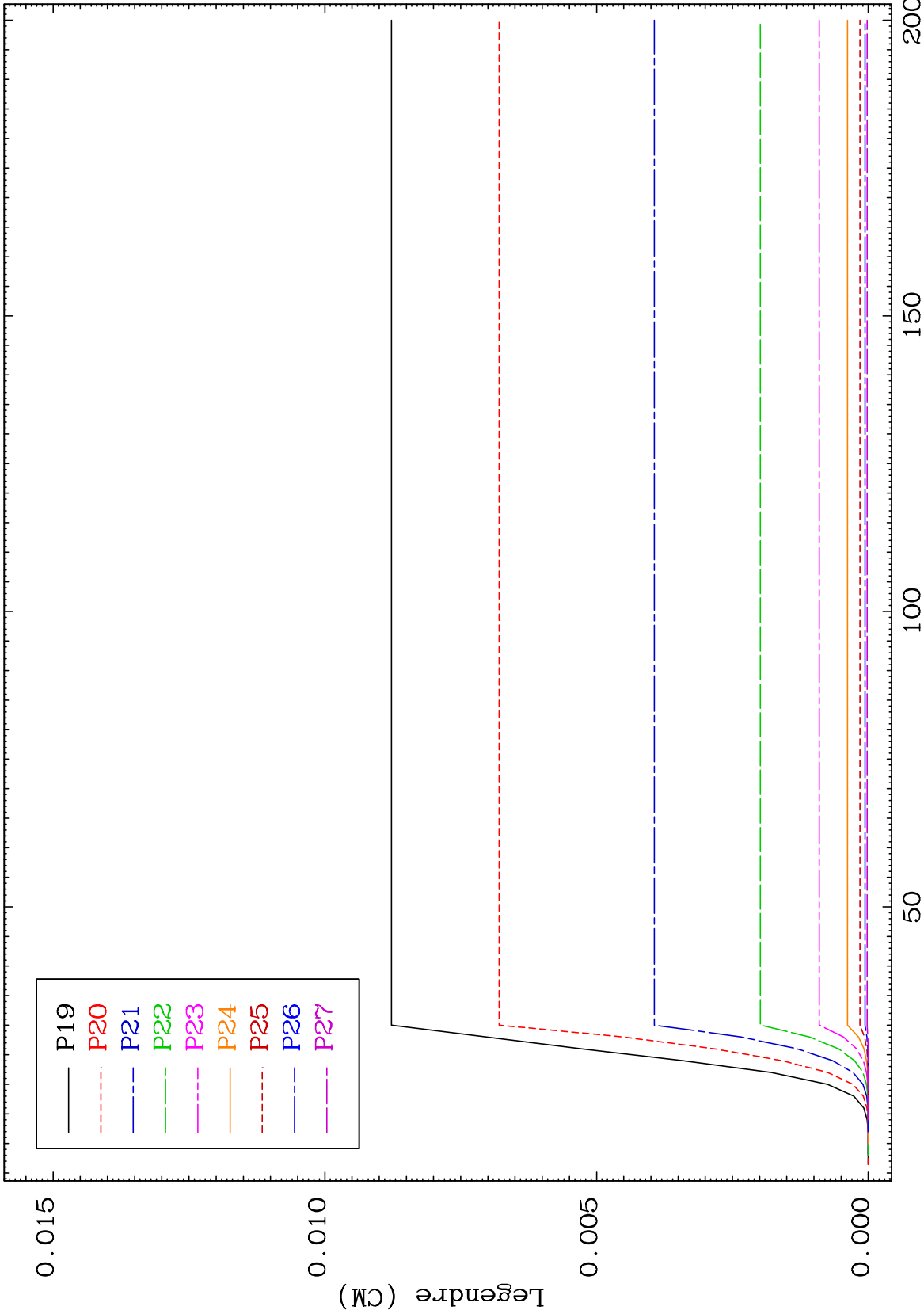
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



29

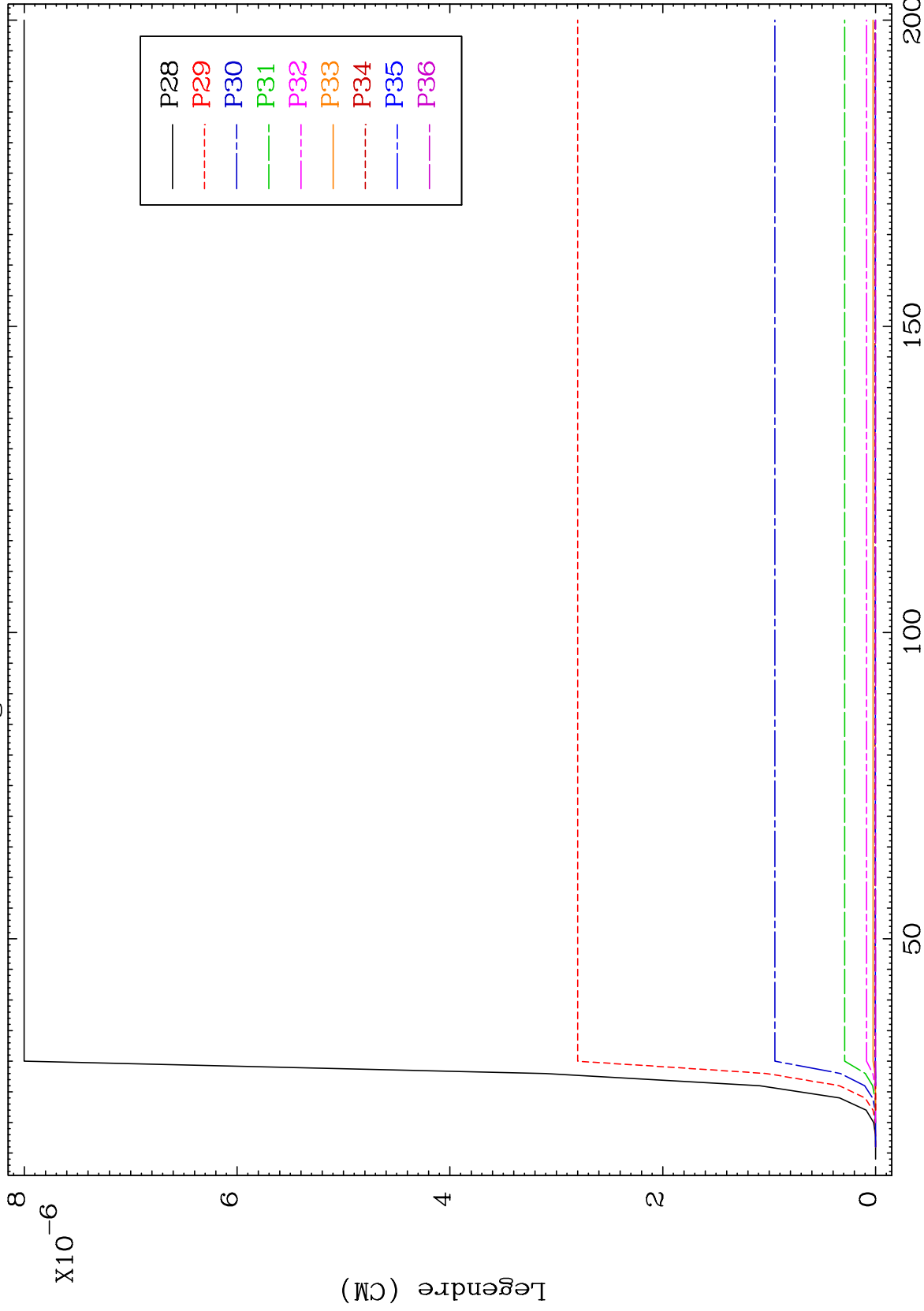
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



30

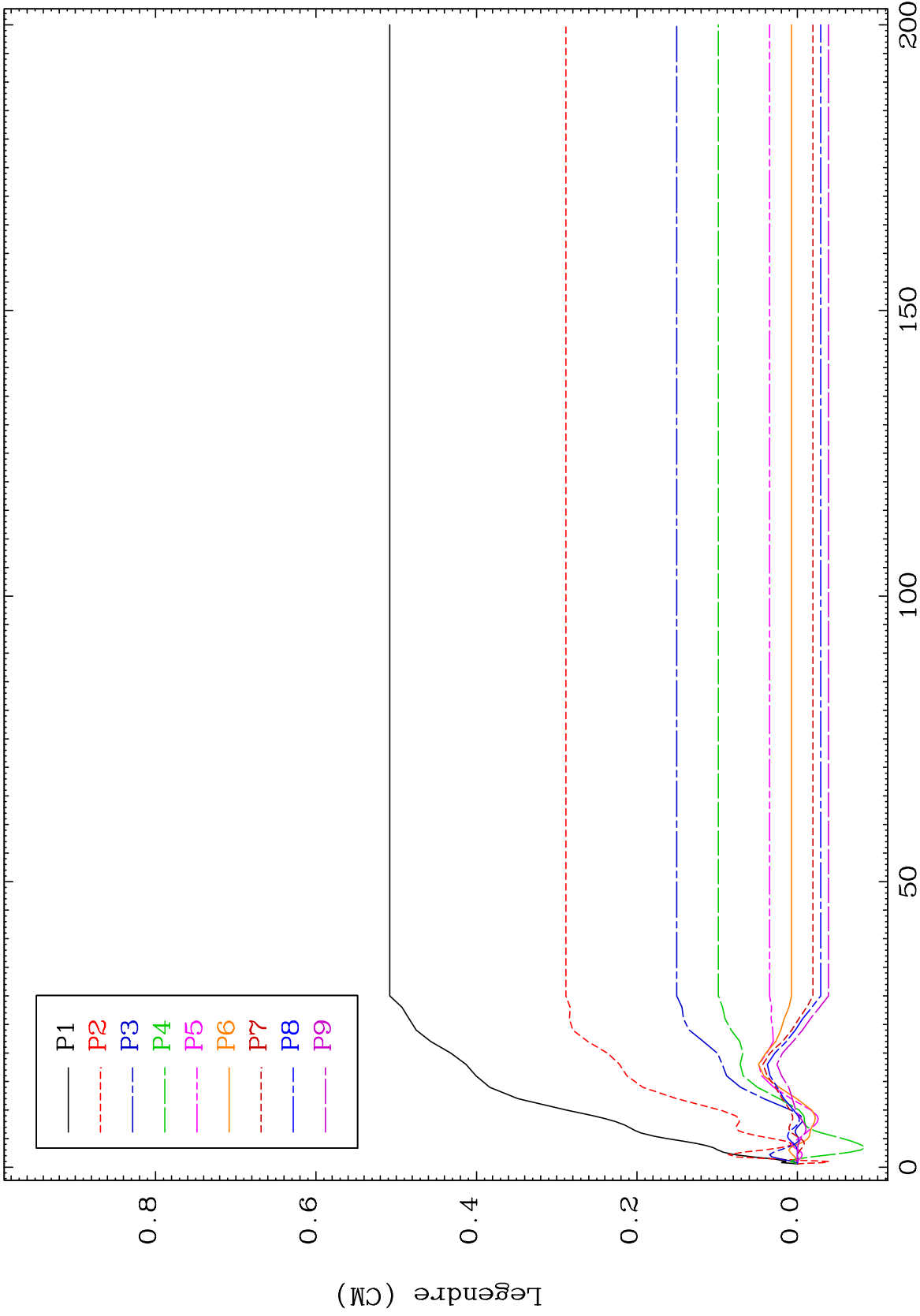
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



31

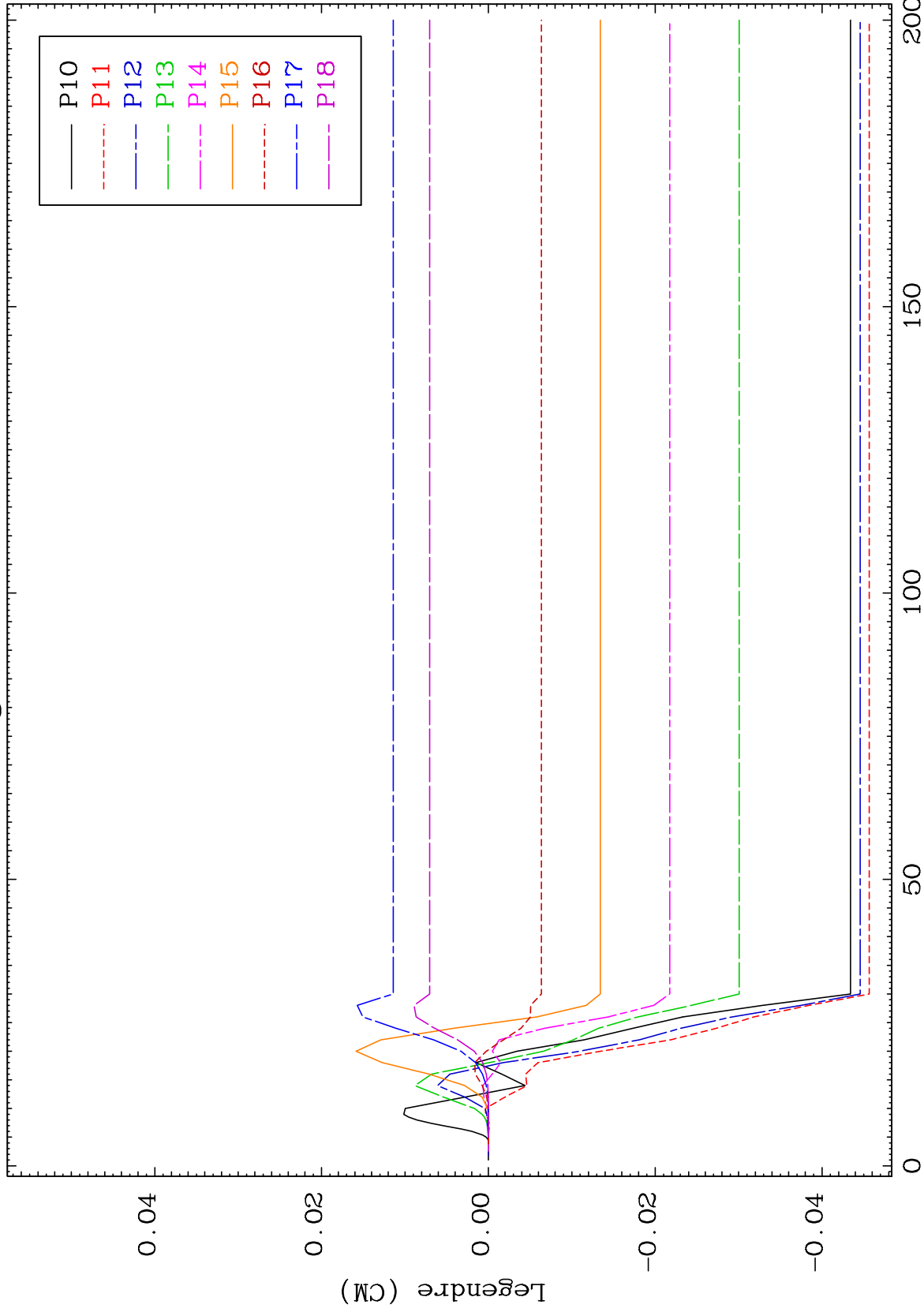
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



32

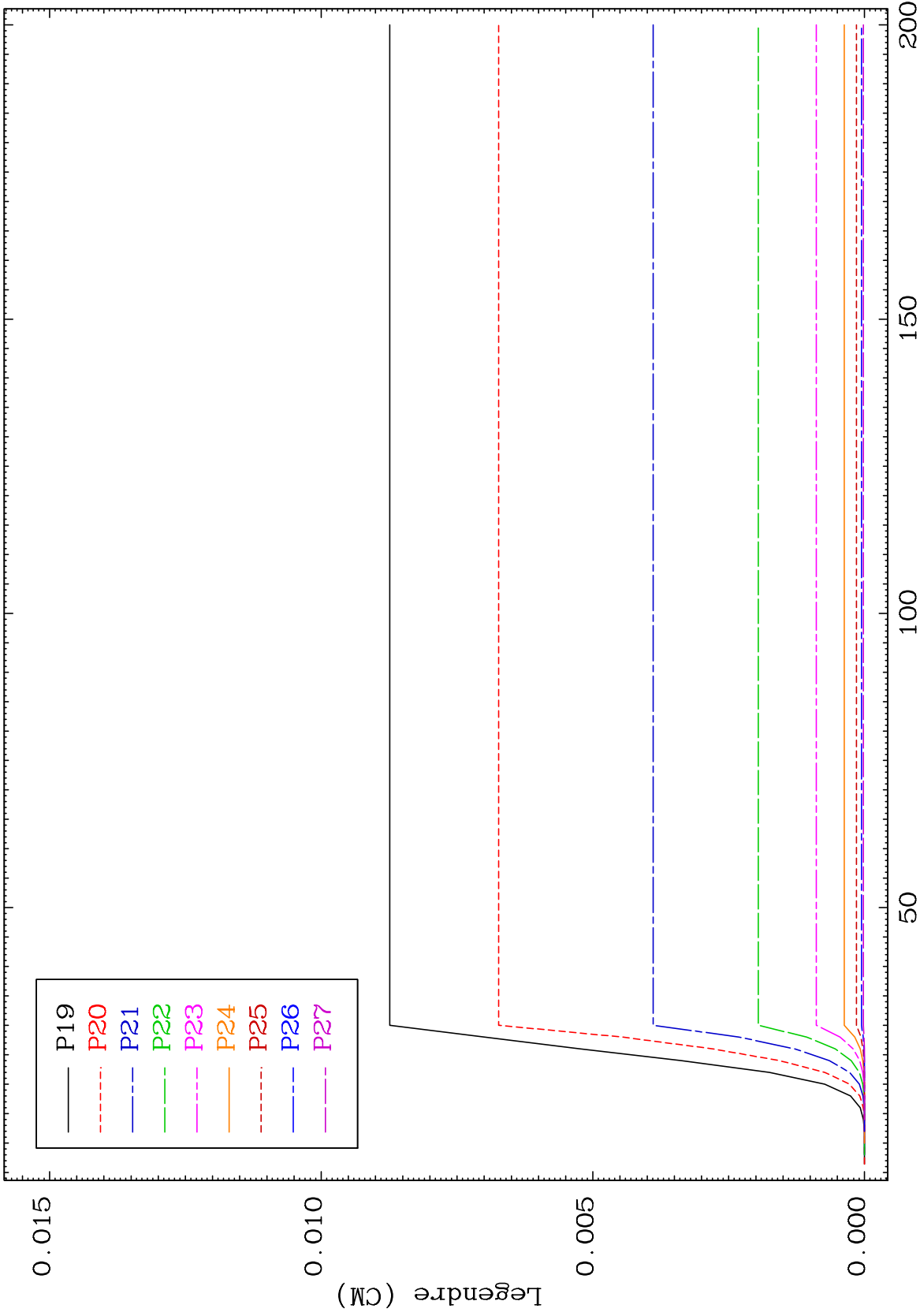
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



33

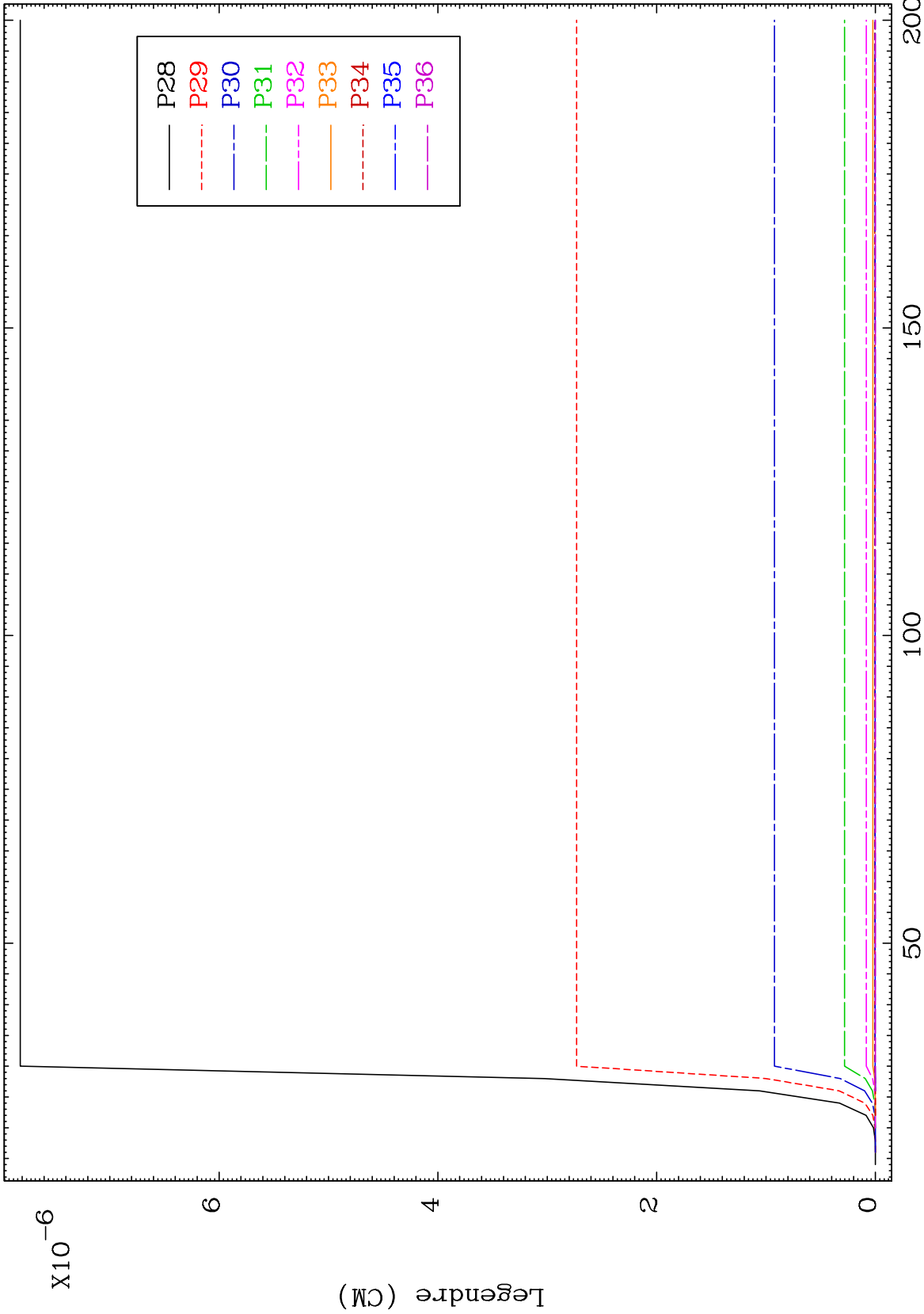
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



34

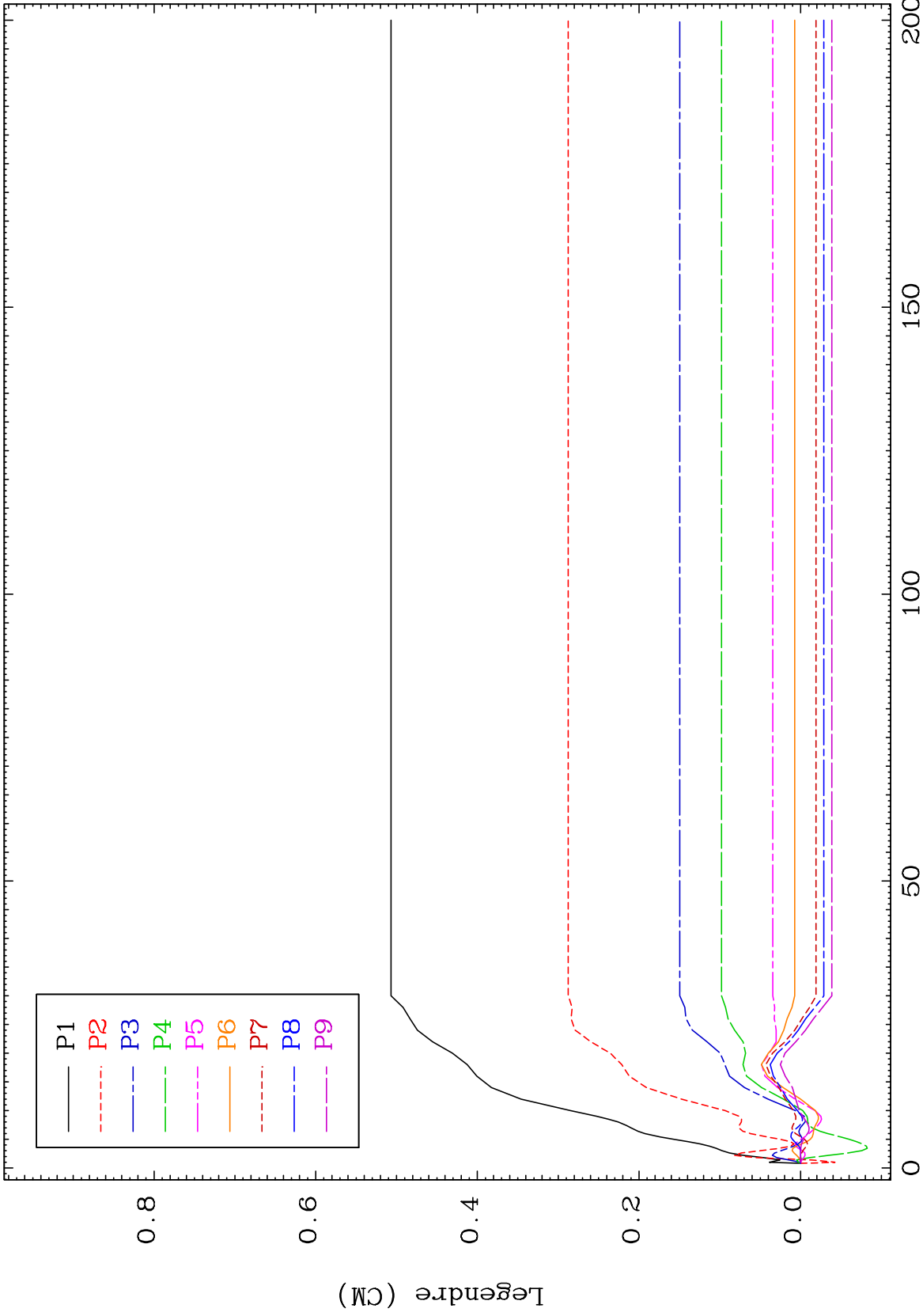
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



35

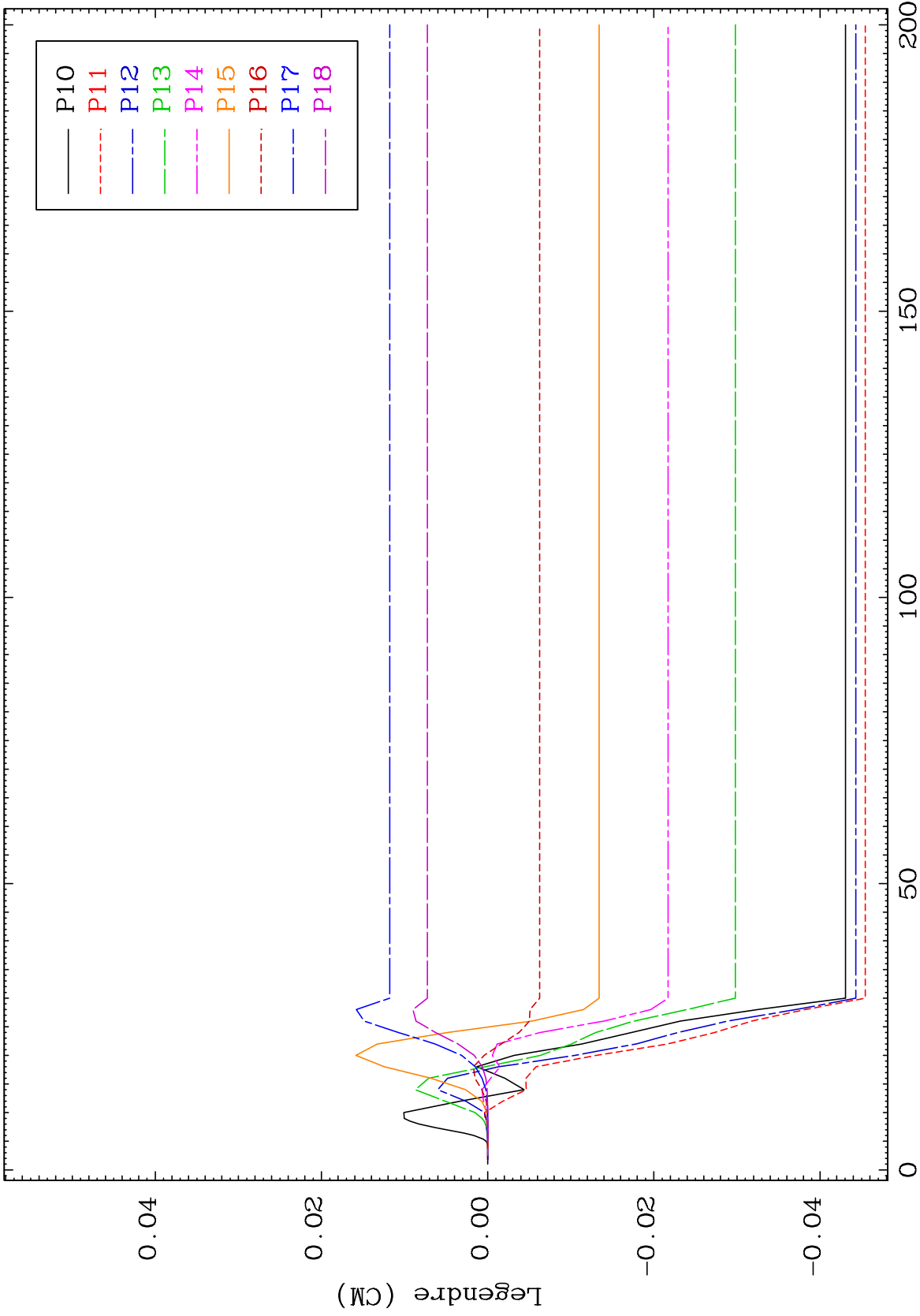
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



36

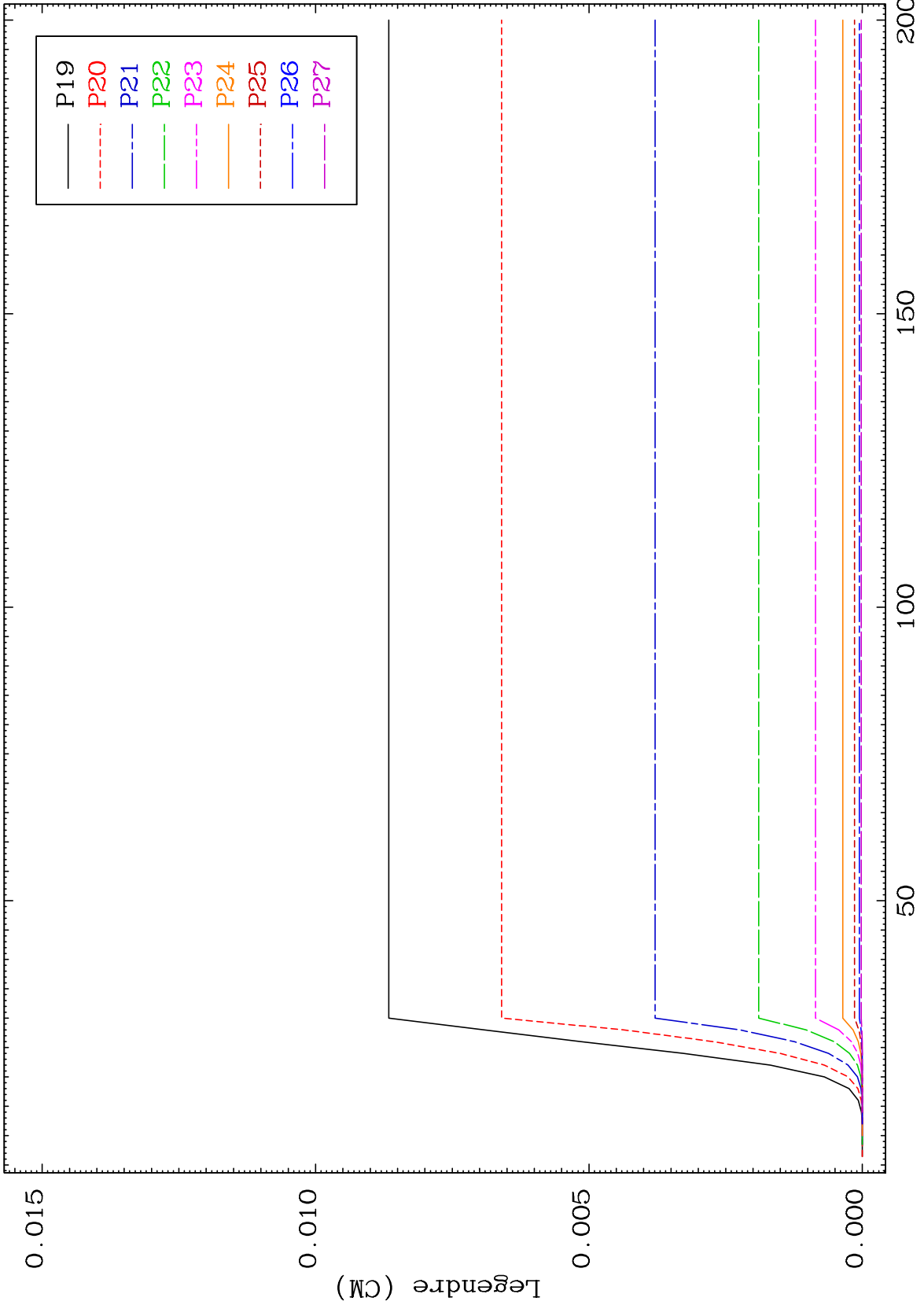
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



37

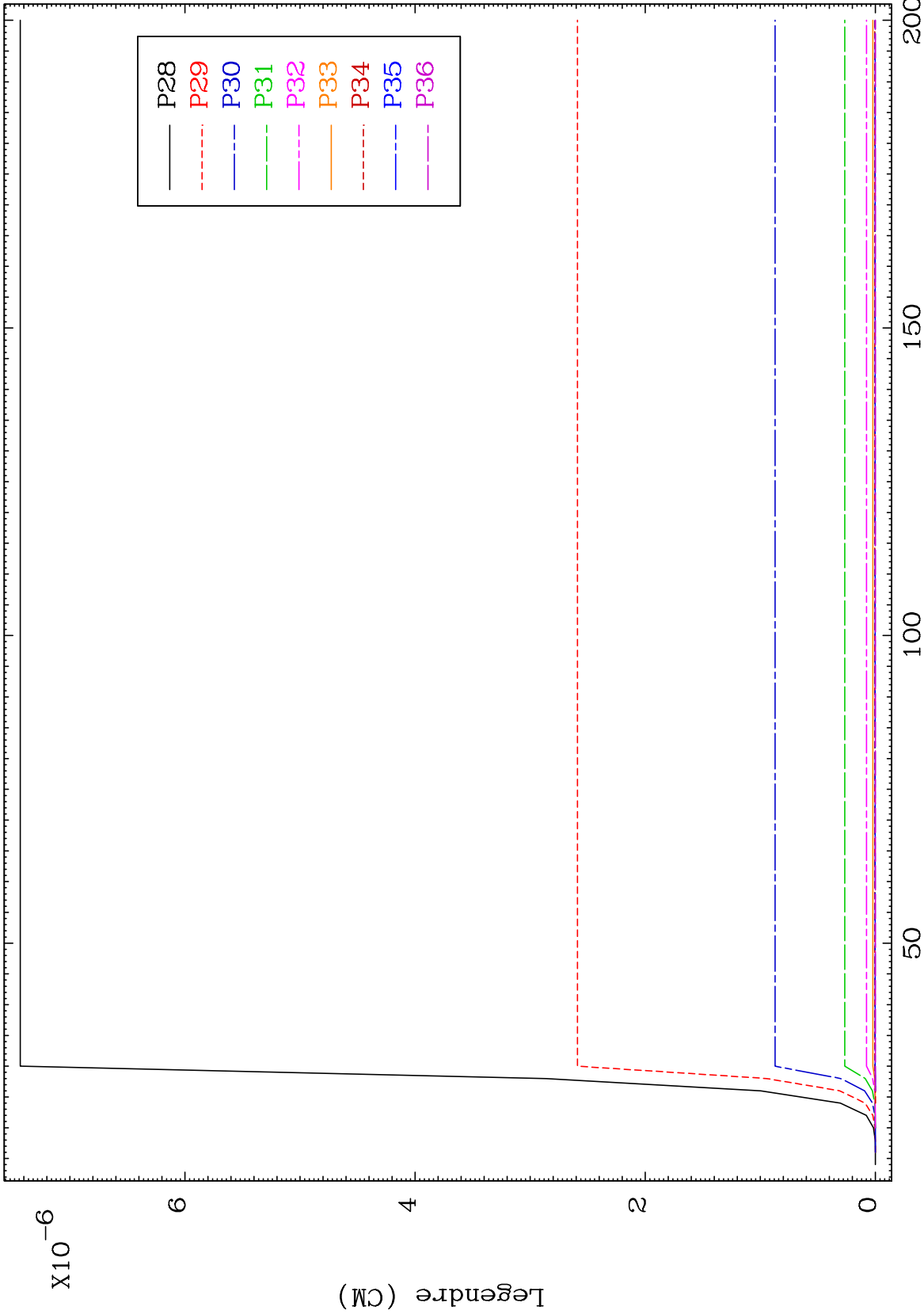
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



38

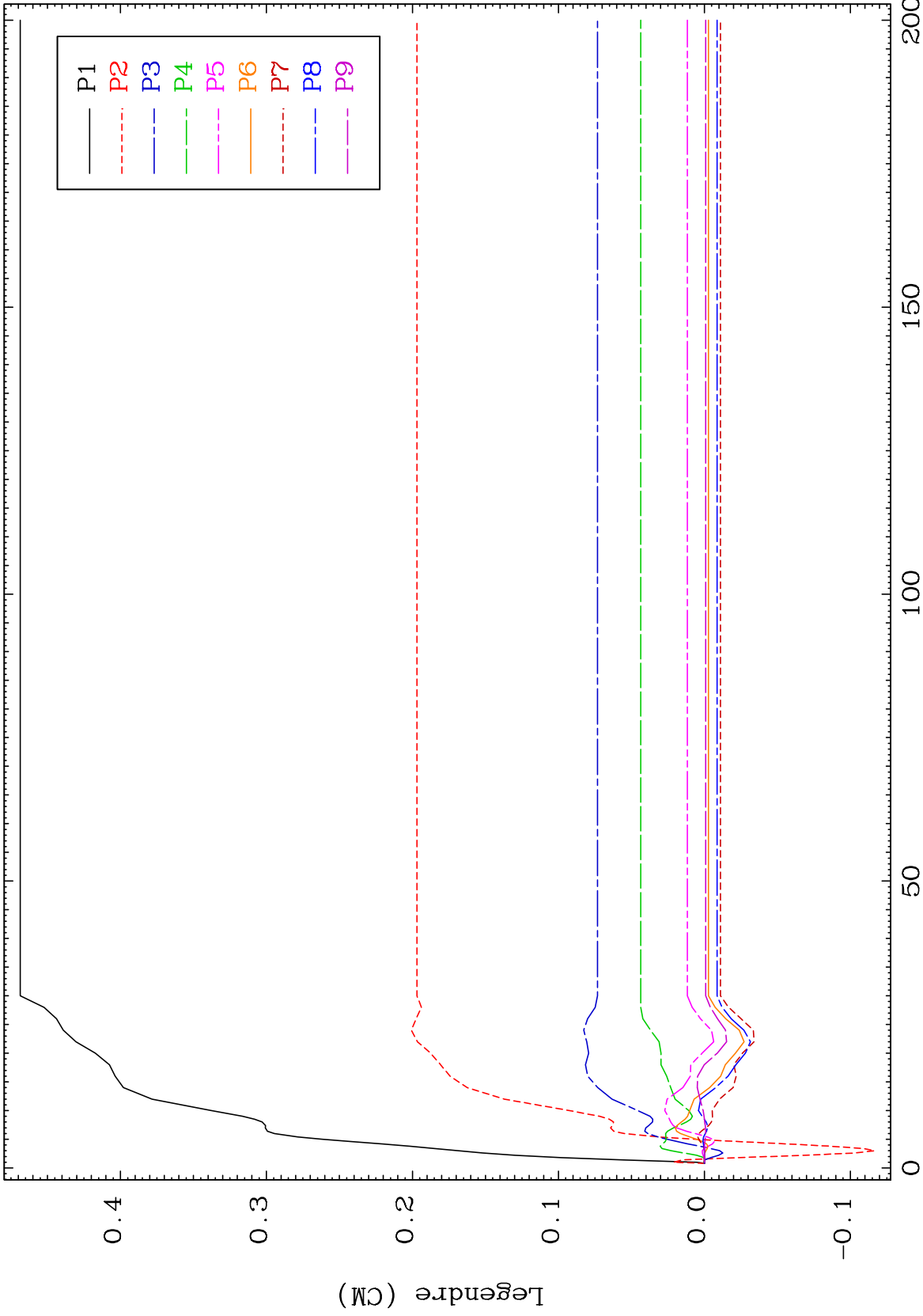
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



39

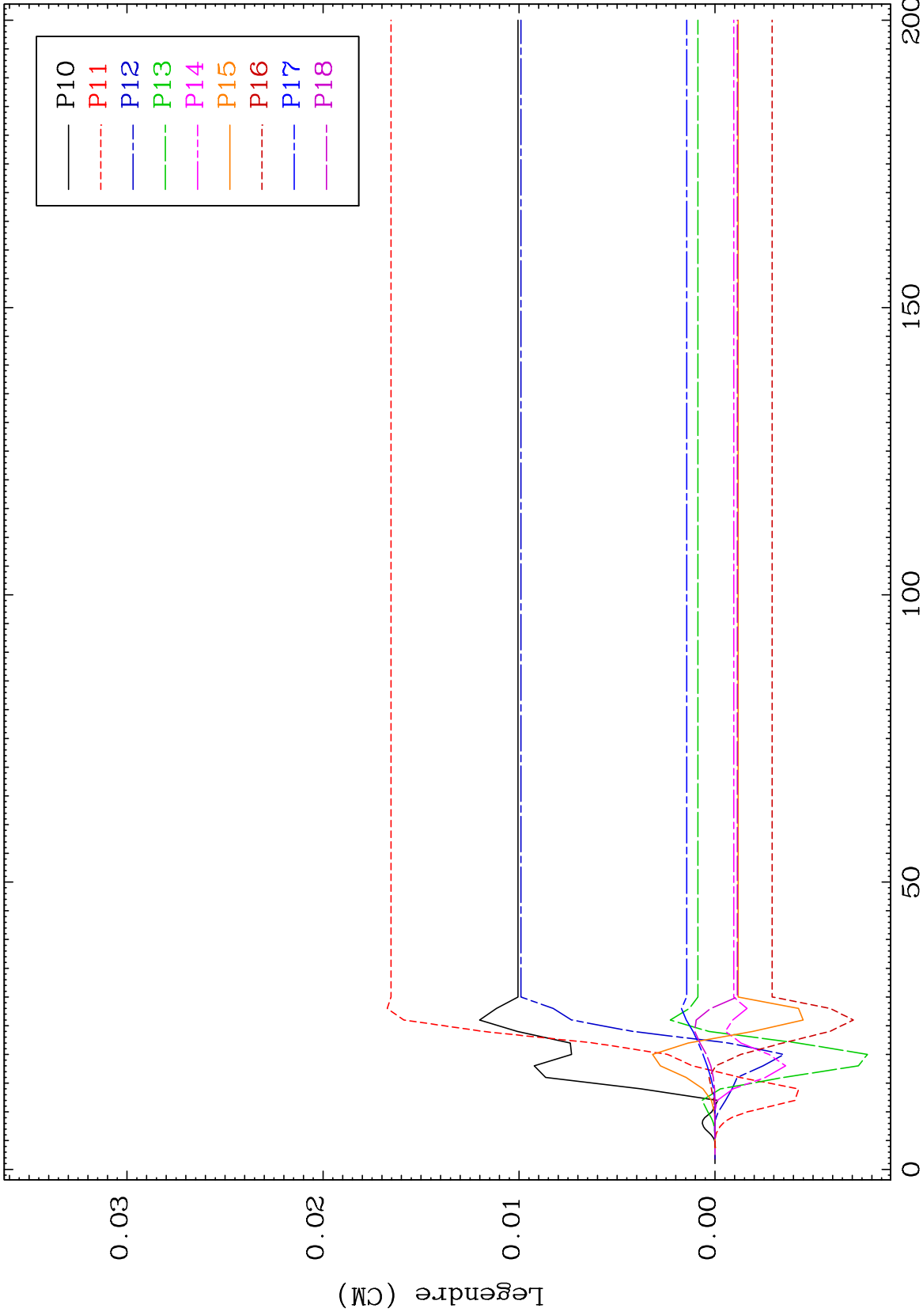
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



40

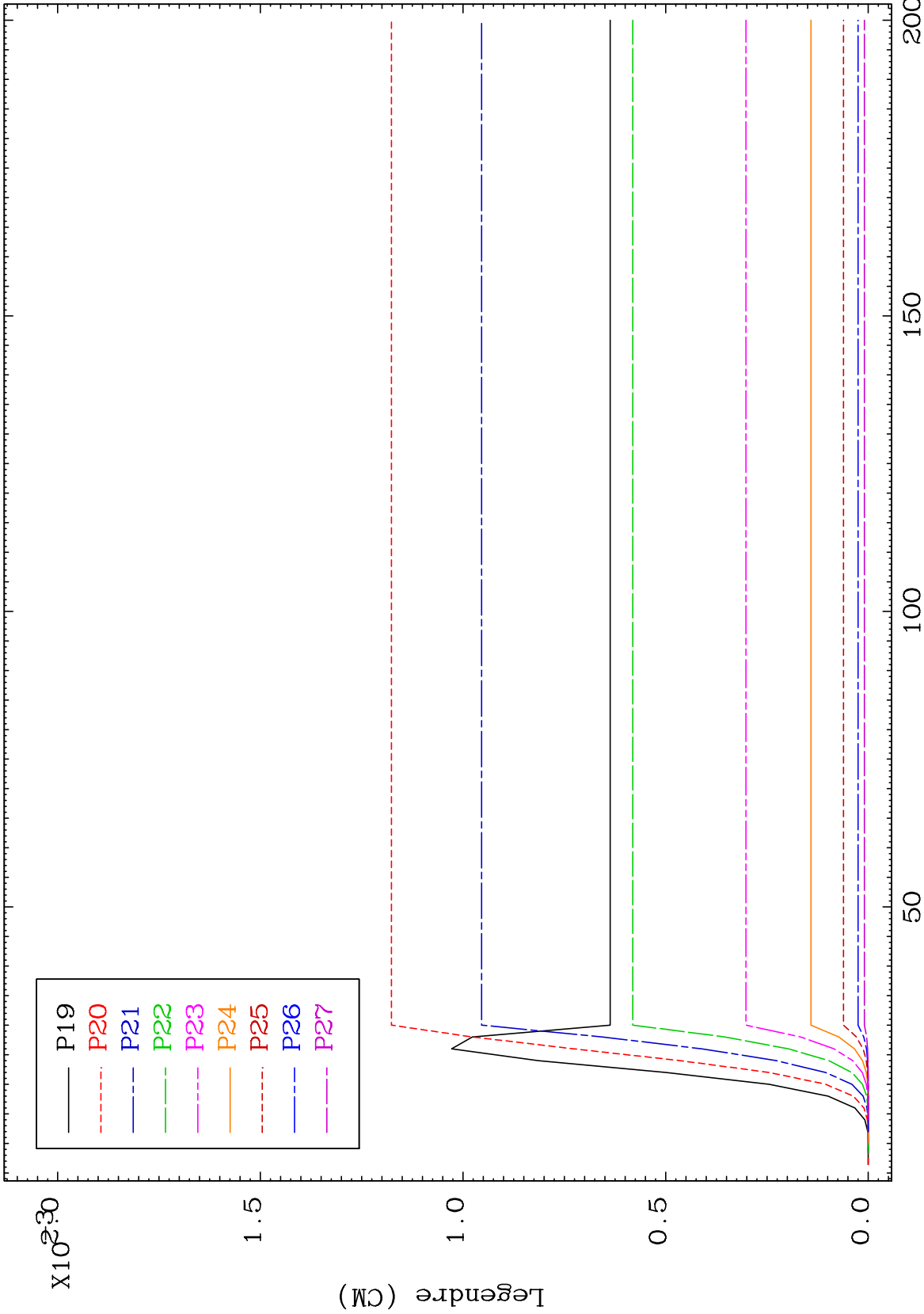
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

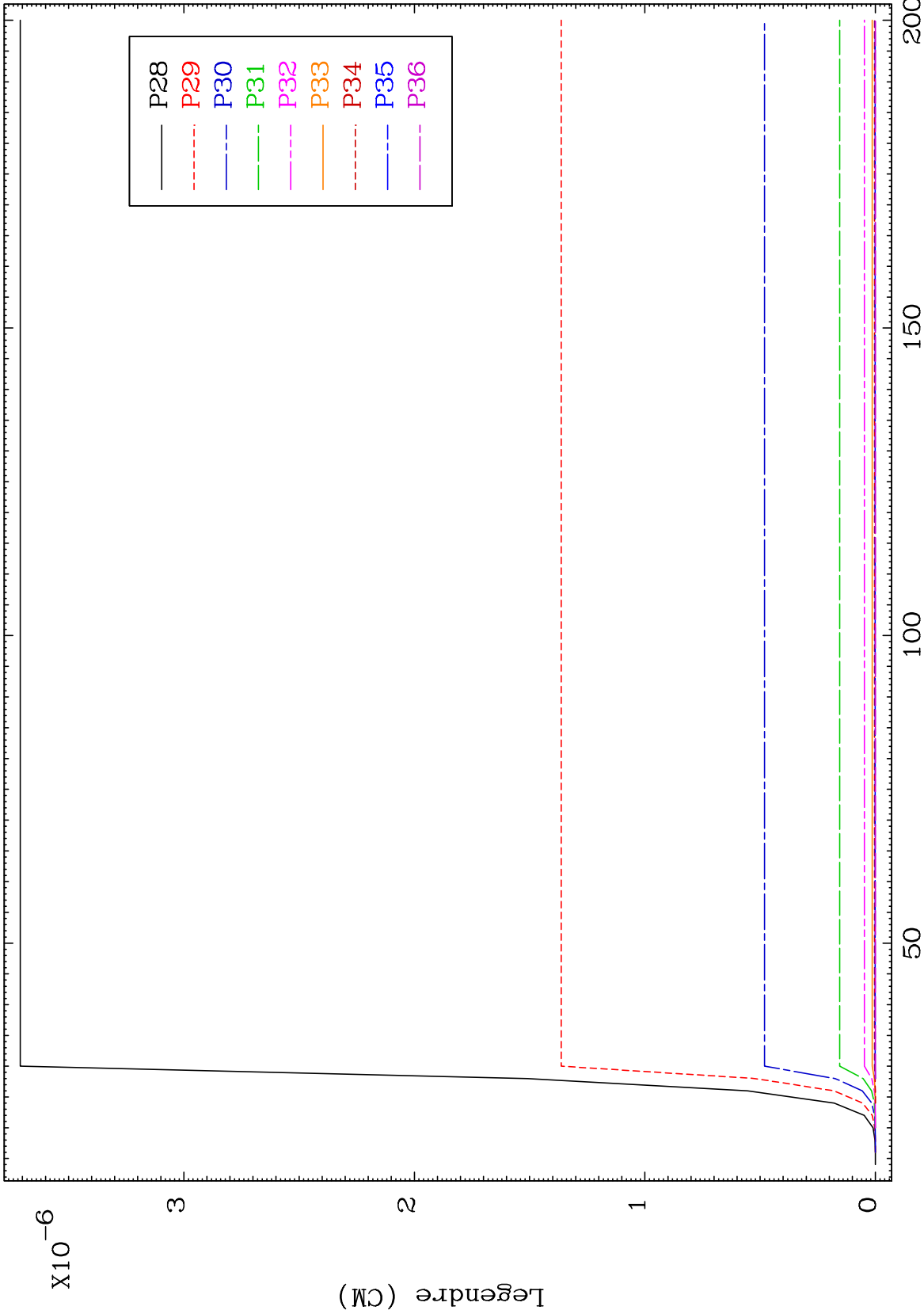
64-Gd-139



MAT 6386

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

64-Gd-139



42

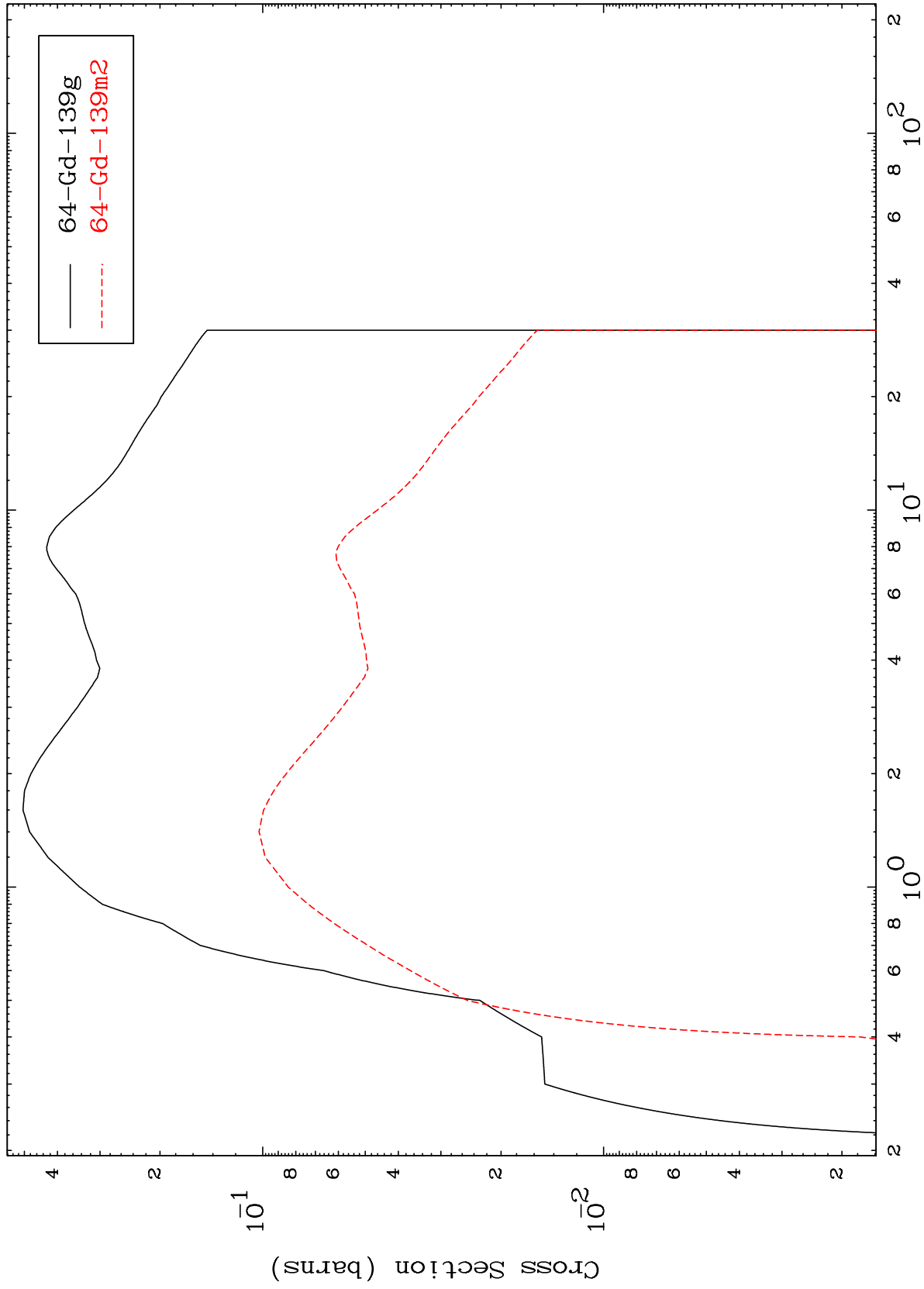
Incident Energy (MeV)

64-Gd-139

MAT 6386

Inelastic
Radionuclide Production Cross Section

64-Gd-139



43

Incident Energy (MeV)

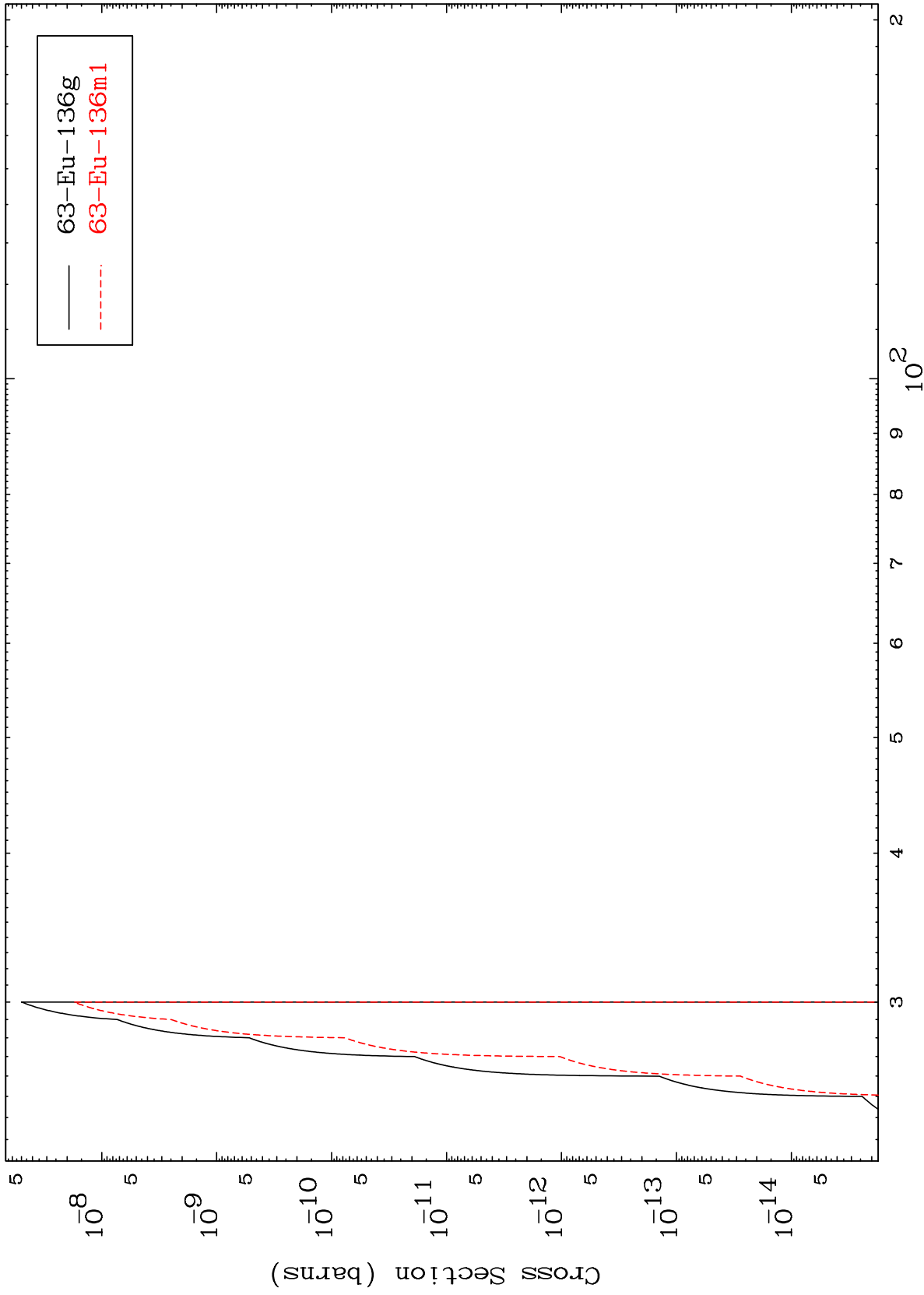
64-Gd-139

MAT 6386

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



44

Incident Energy (MeV)

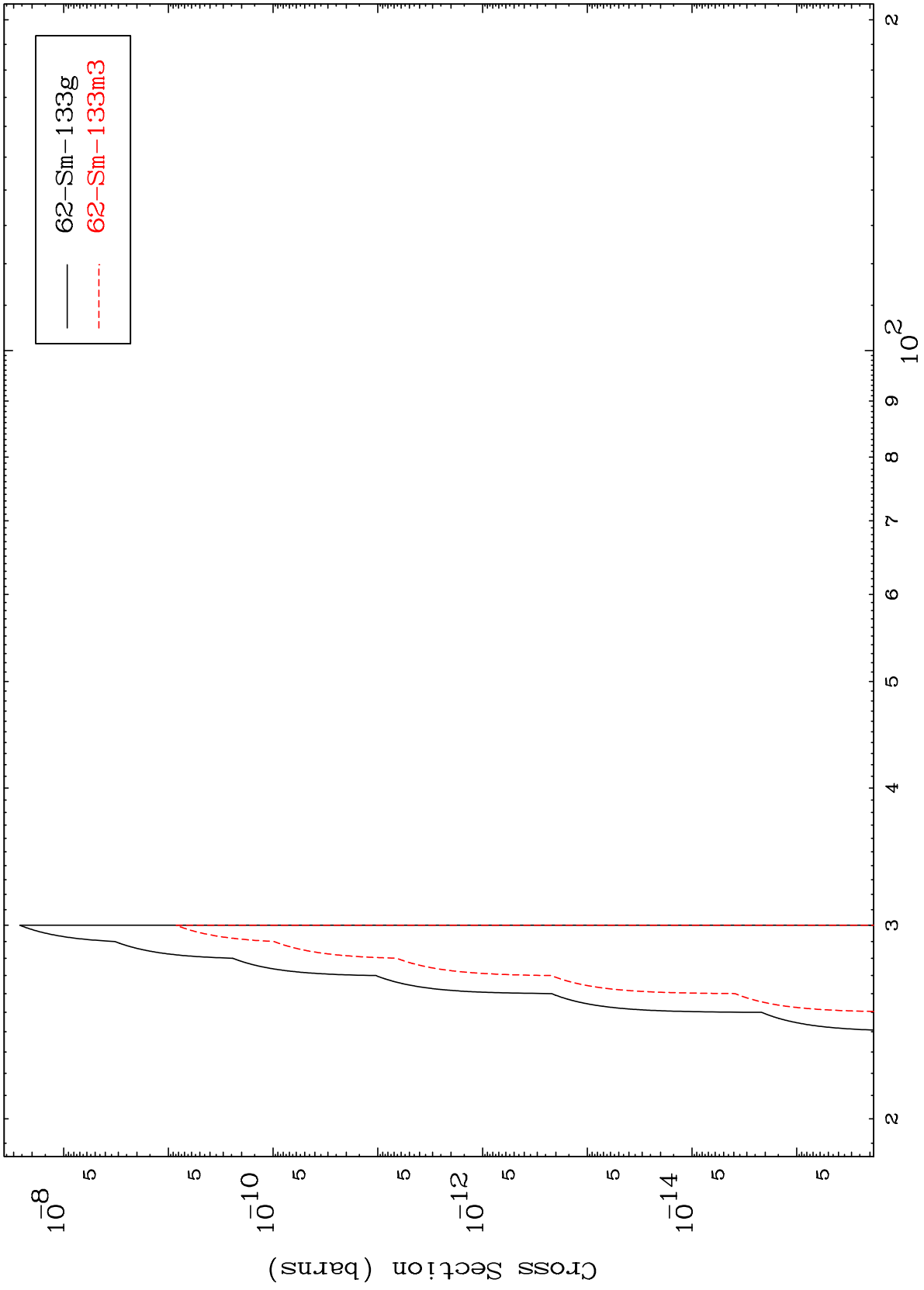
64-Gd-139

MAT 6386

(n,3n) α

64-Gd-139

Radionuclide Production Cross Section



45

Incident Energy (MeV)

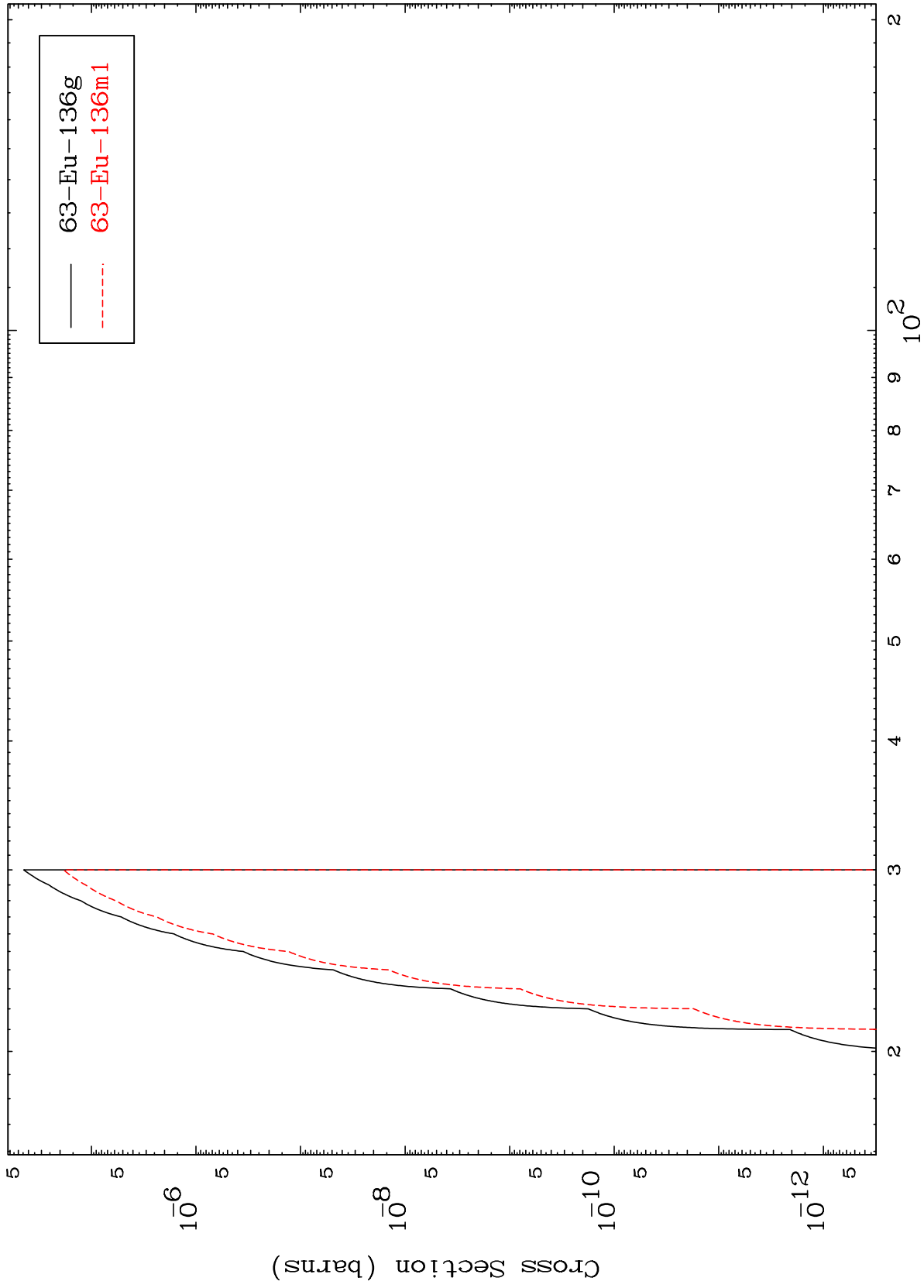
64-Gd-139

MAT 6386

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



46

Incident Energy (MeV)

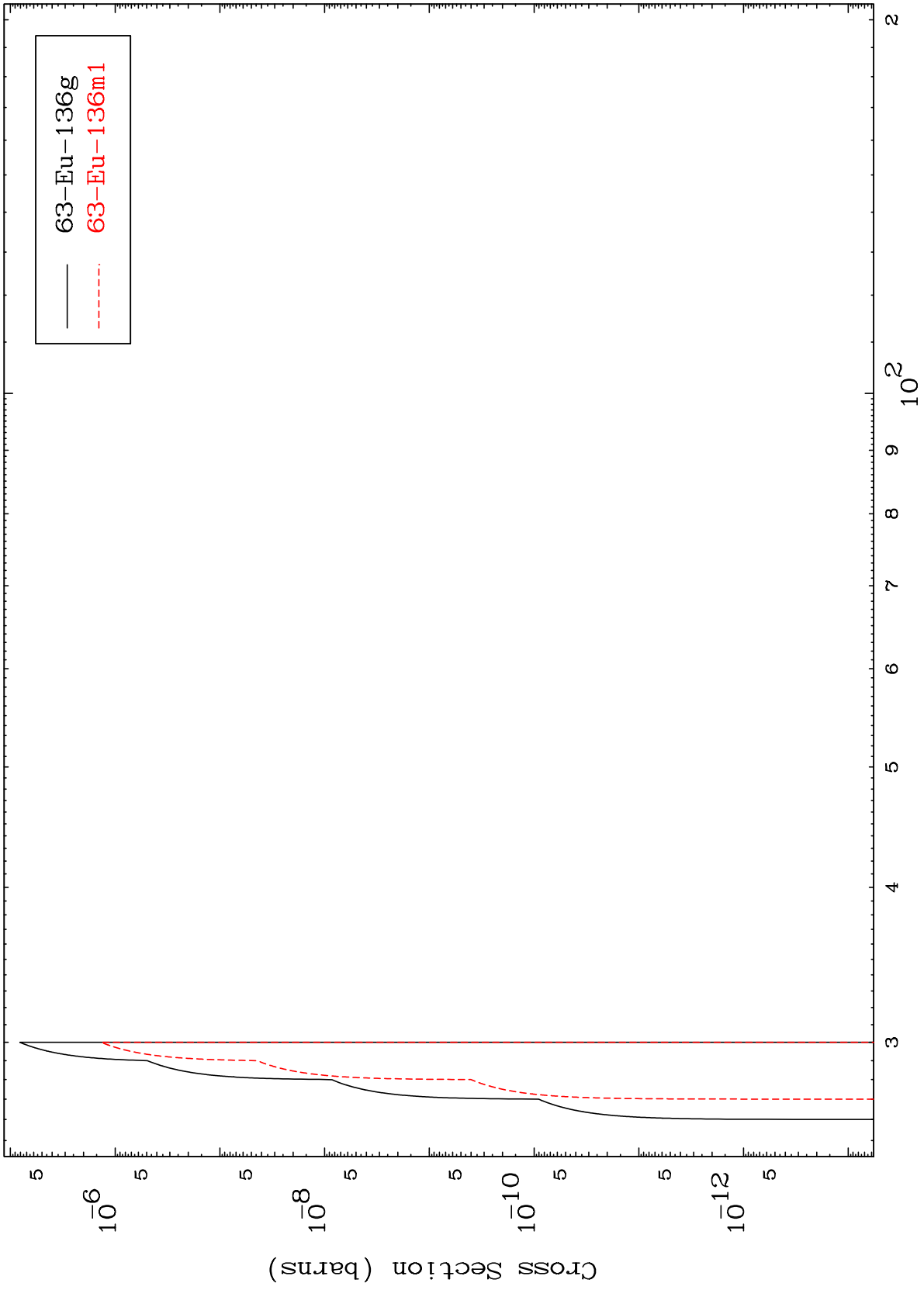
64-Gd-139

MAT 6386

(n,3n) p

64-Gd-139

Radionuclide Production Cross Section



47

Incident Energy (MeV)

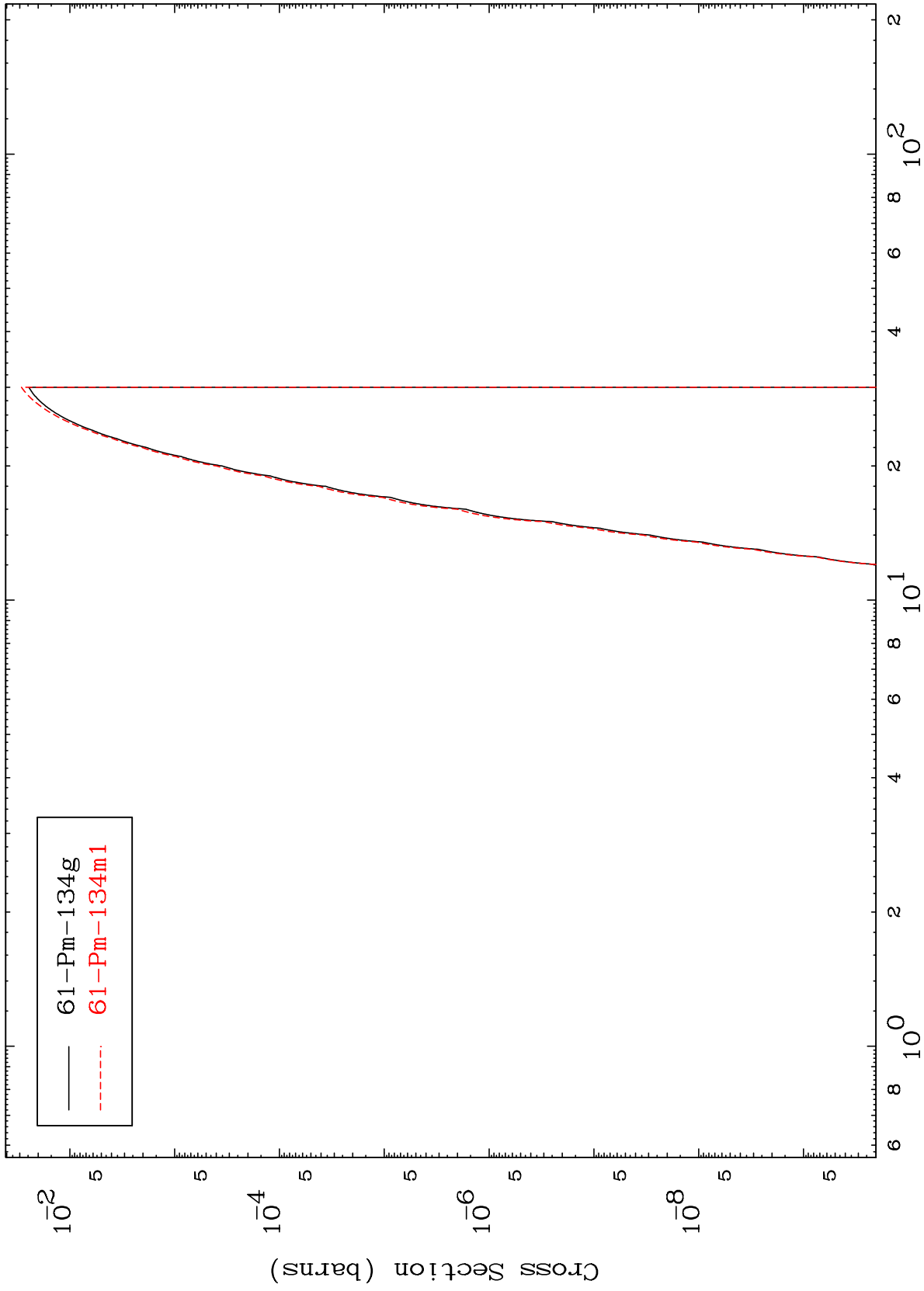
64-Gd-139

MAT 6386

(n,n') p α

64-Gd-139

Radionuclide Production Cross Section



48

Incident Energy (MeV)

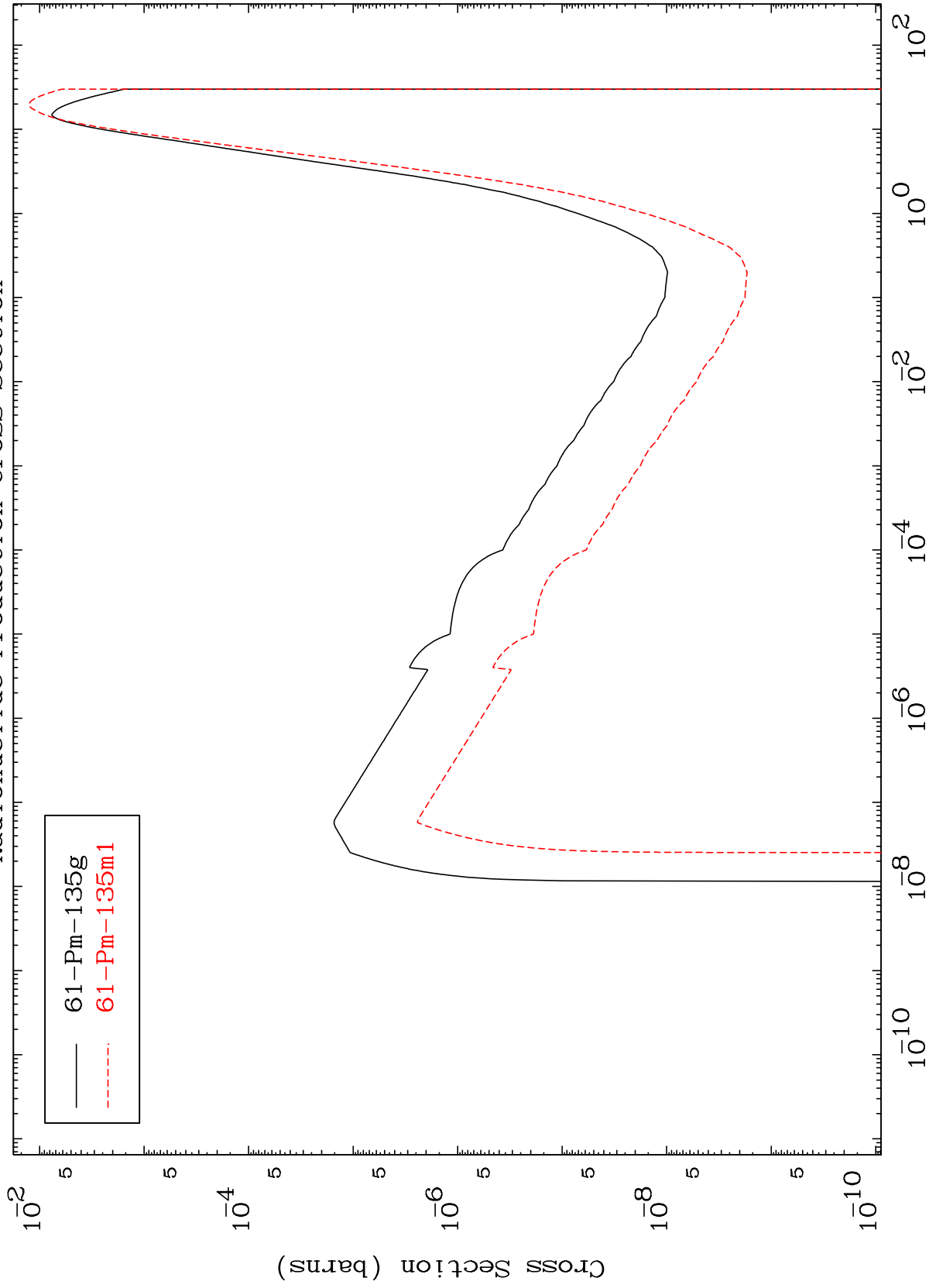
64-Gd-139

MAT 6386

(n,p) α

64-Gd-139

Radionuclide Production Cross Section



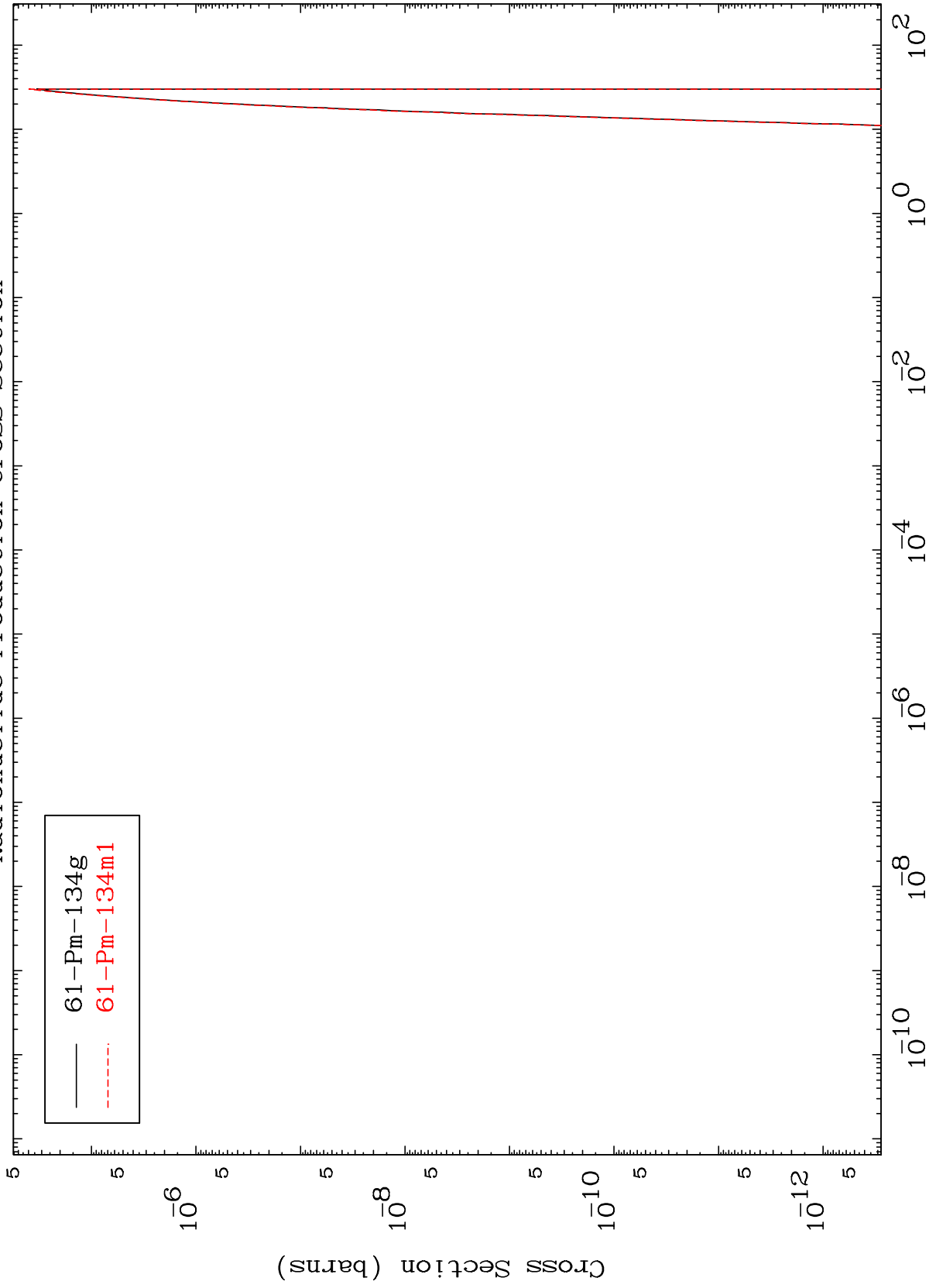
61-Pm-135g
61-Pm-135m1

MAT 6386

(n,d) α

64-Gd-139

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

50

Incident Energy (MeV)

64-Gd-139