

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

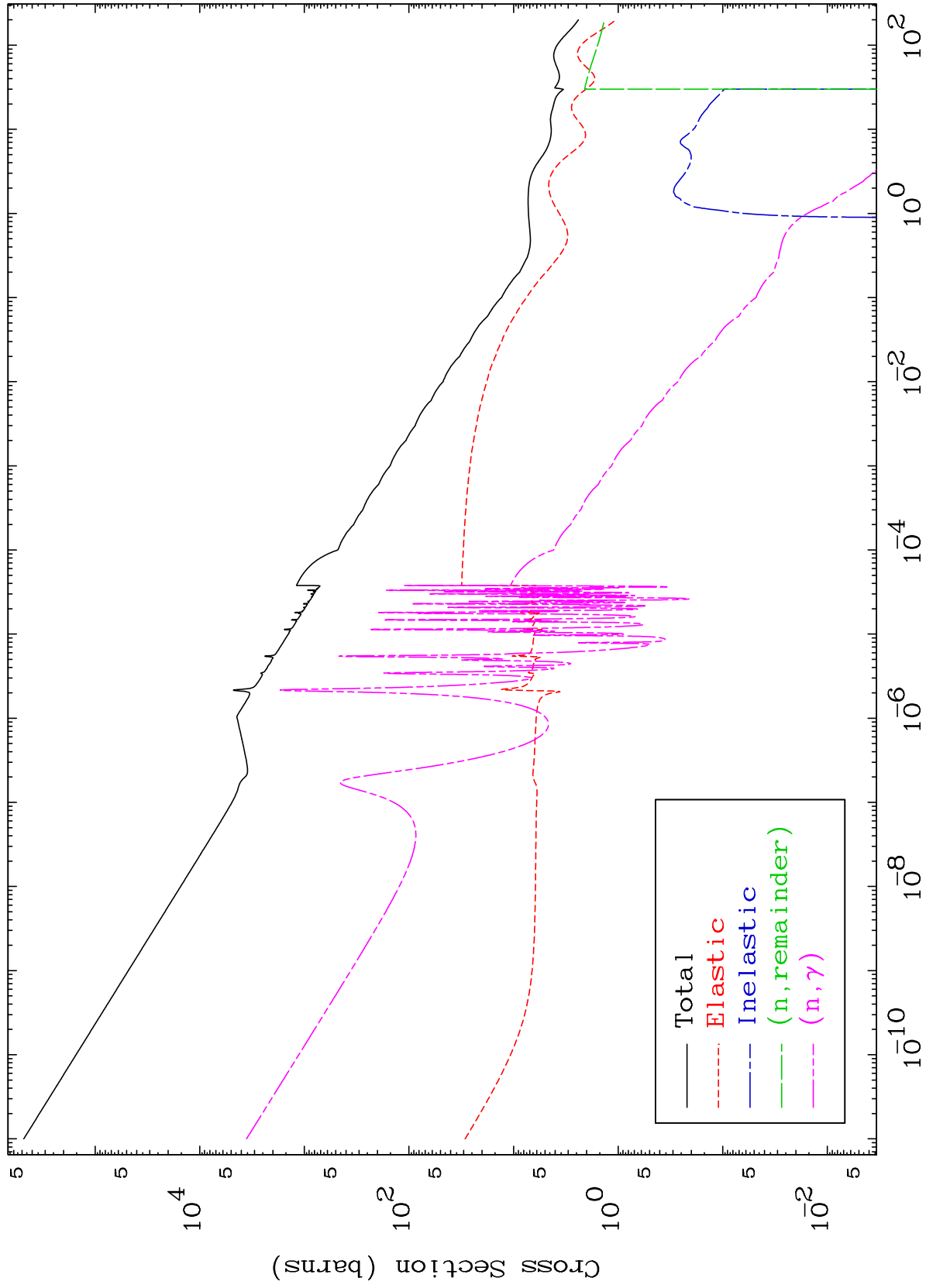
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6974

Major
293 Kelvin Cross Sections

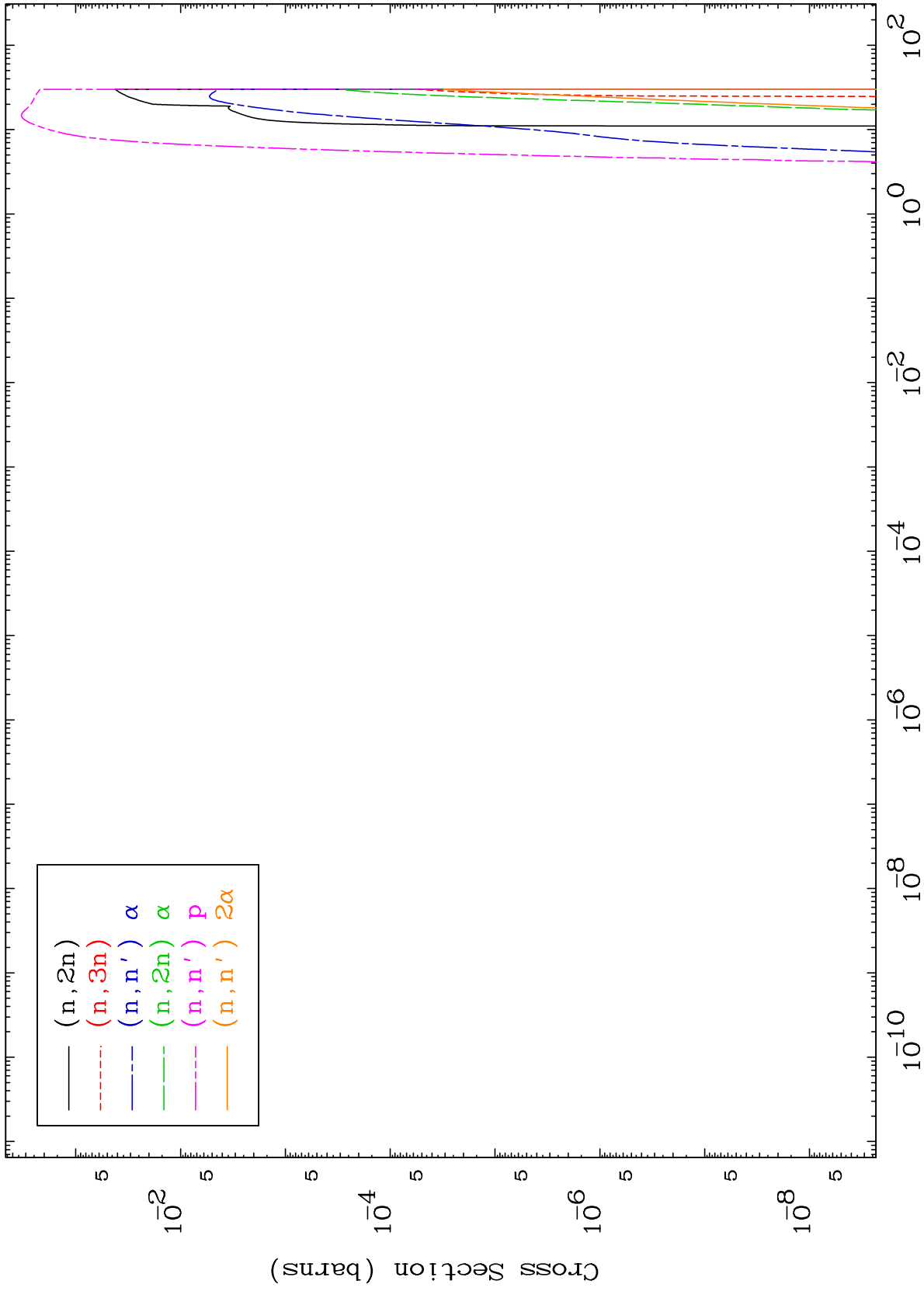
70-Yb-151



MAT 6974

Neutron Production
293 Kelvin Cross Sections

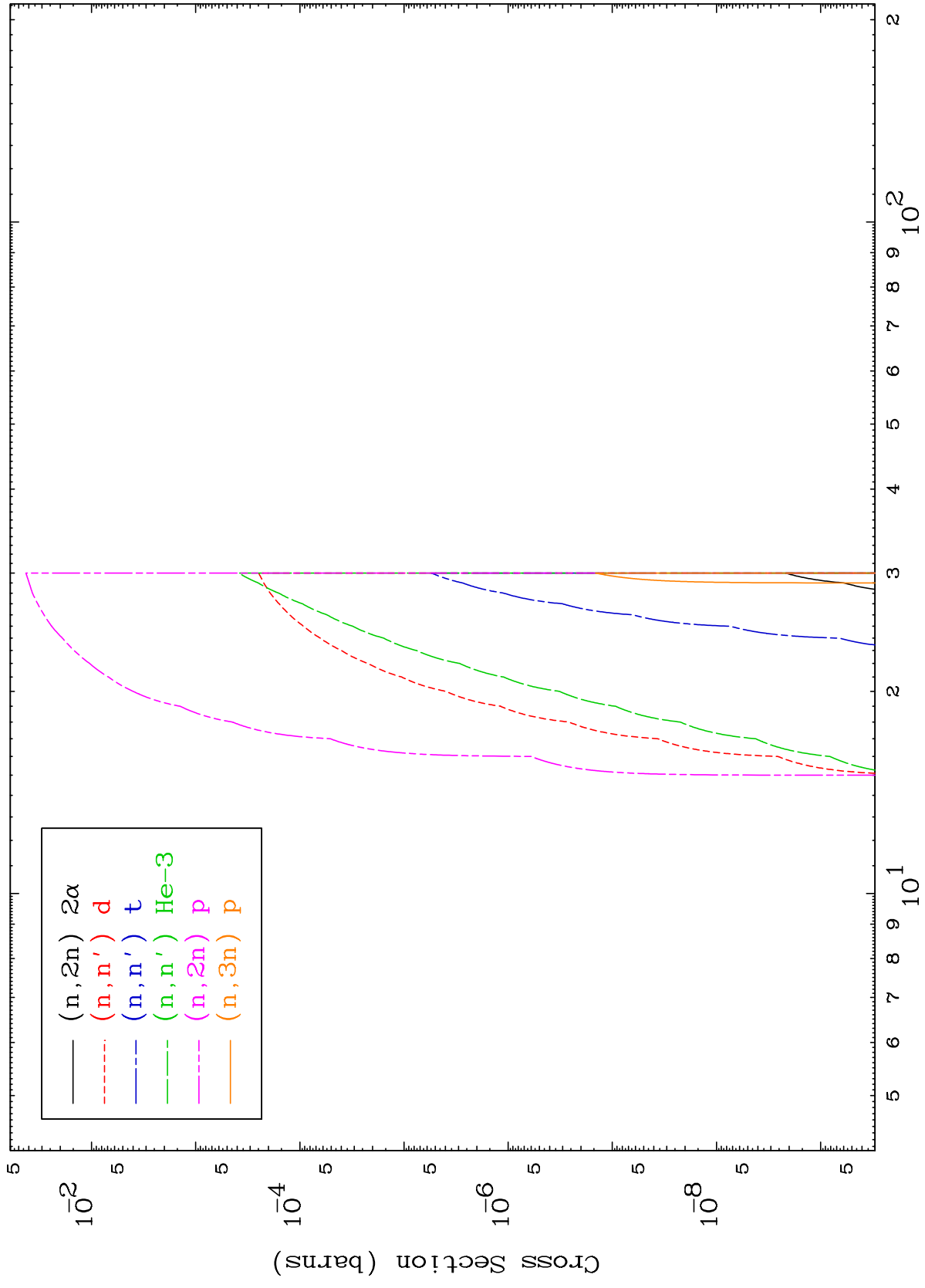
70-Yb-151



2

Incident Energy (MeV)

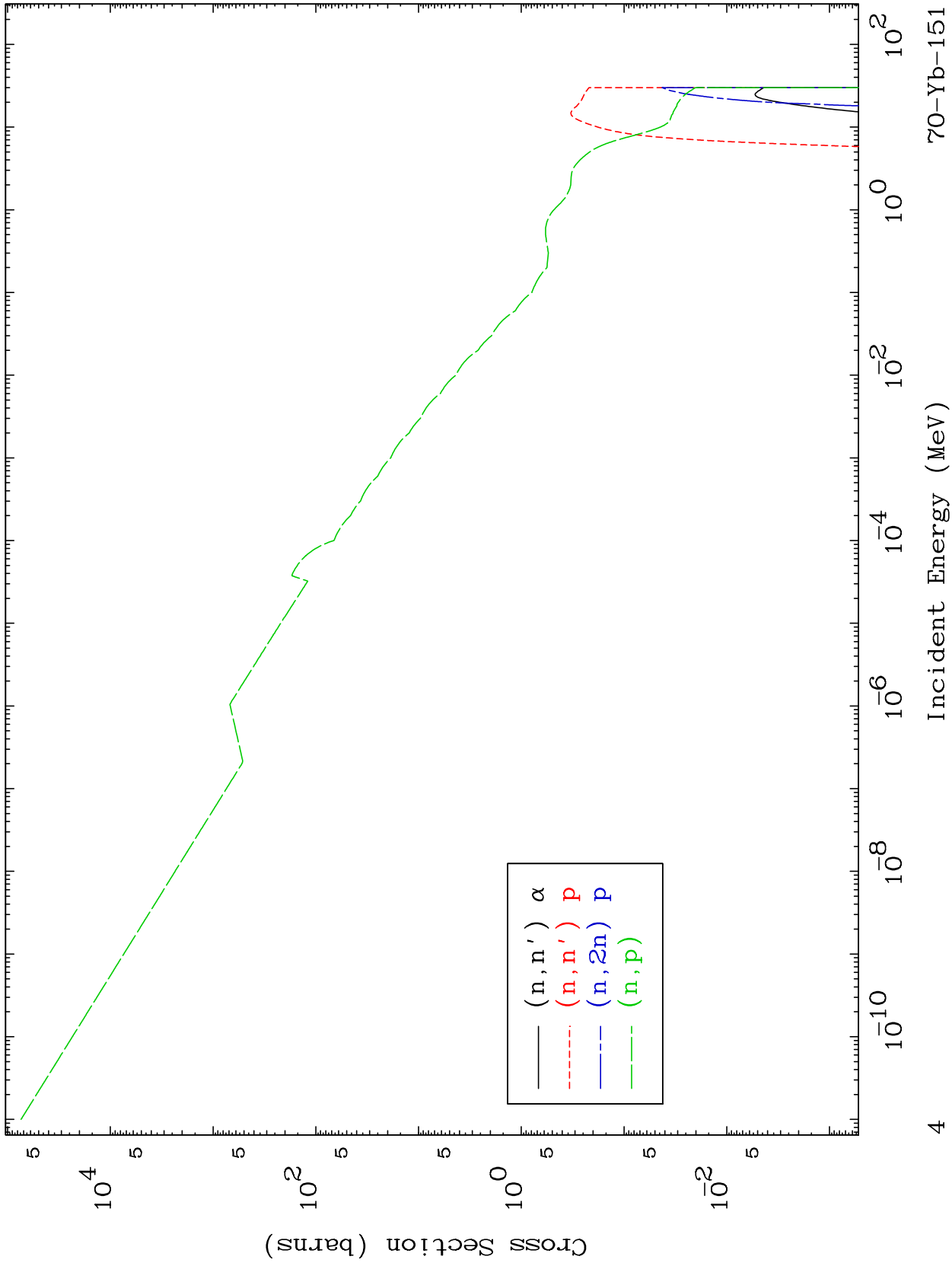
70-Yb-151



MAT 6974

293 Kelvin Cross Sections

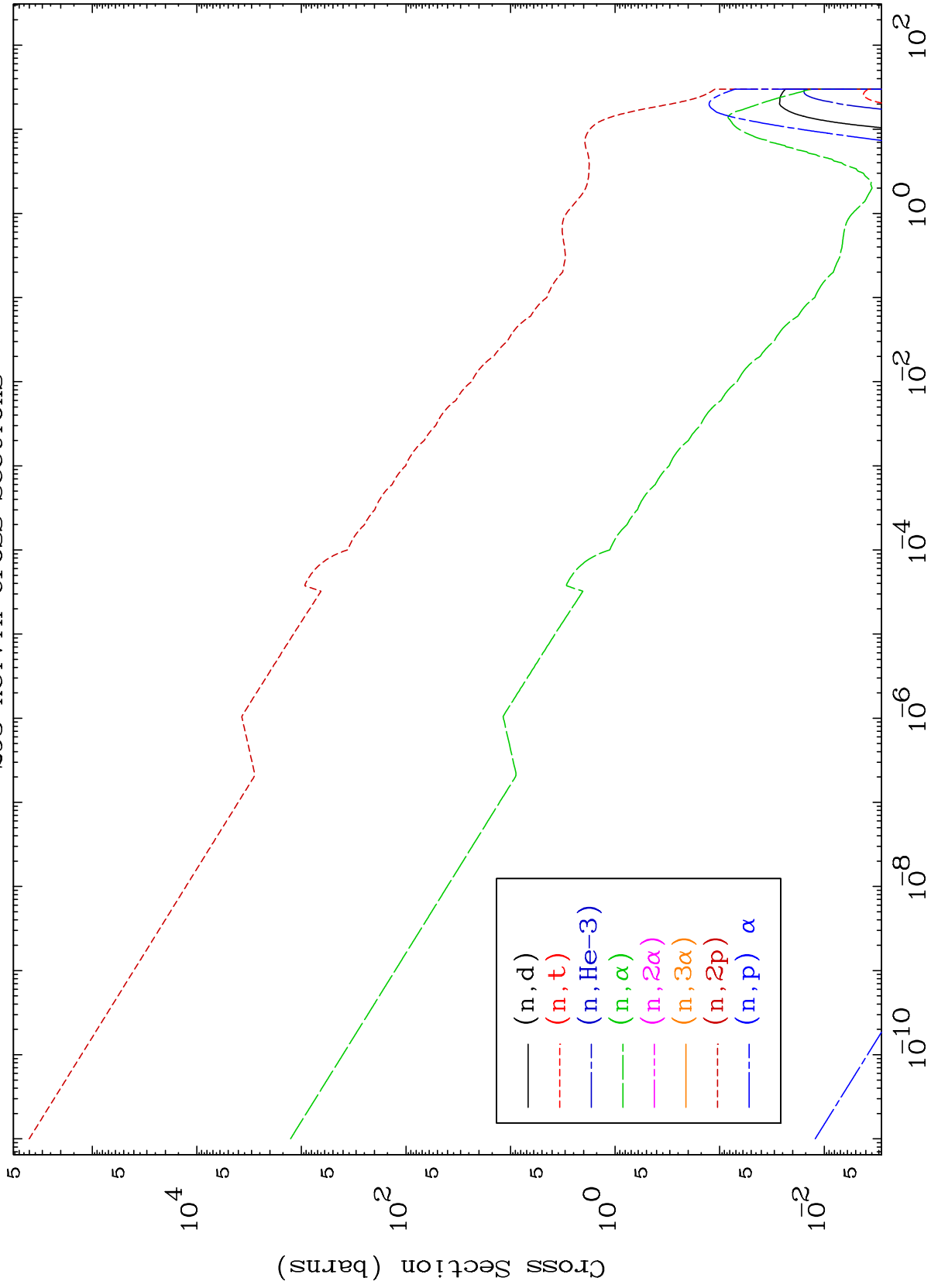
70-Yb-151



MAT 6974

293 Kelvin Cross Sections

70-Yb-151



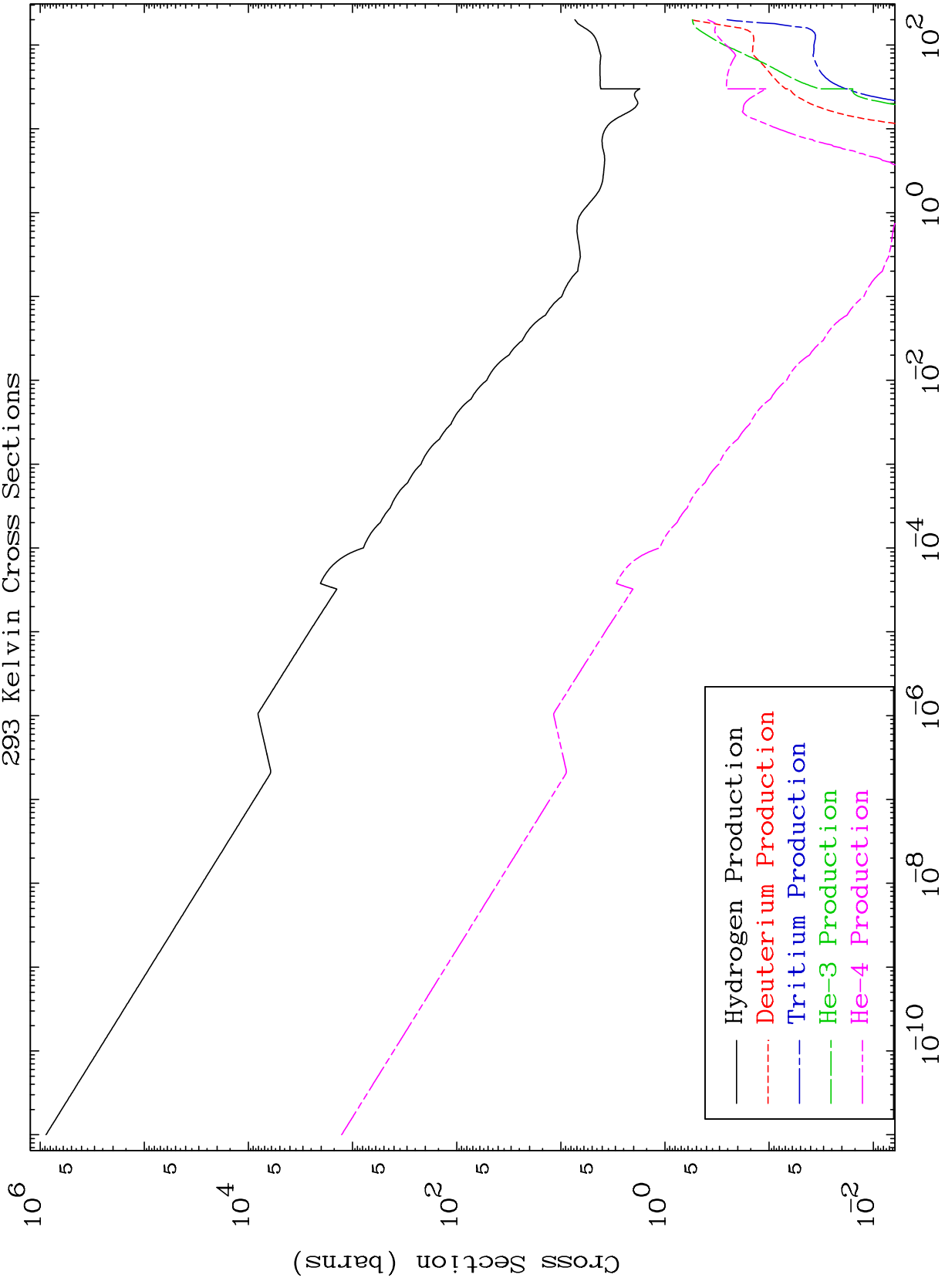
5

70-Yb-151

MAT 6974

Particle Production
293 Kelvin Cross Sections

70-Yb-151



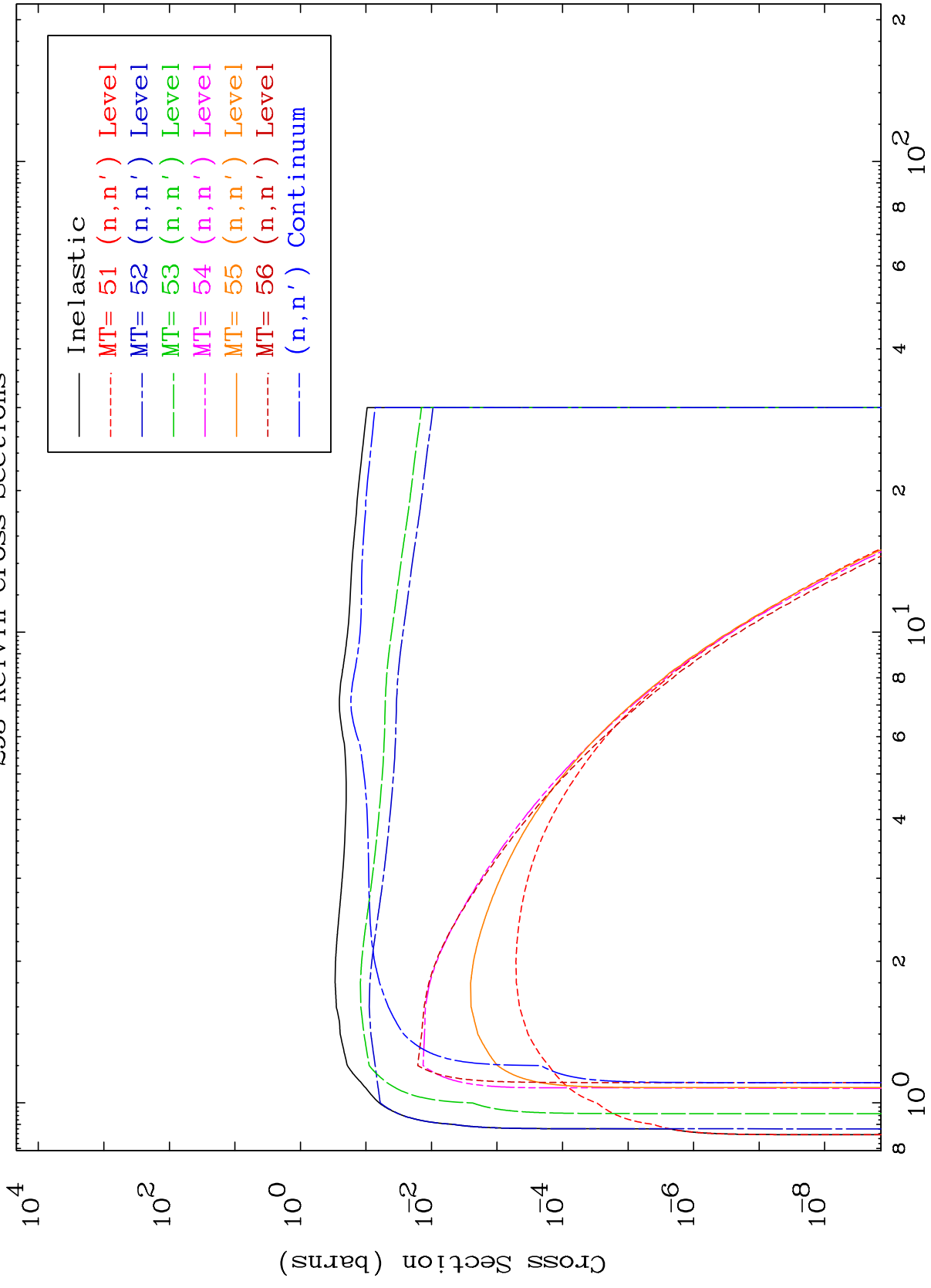
70-Yb-151

MAT 6974

(n,n') Level

70-Yb-151

293 Kelvin Cross Sections



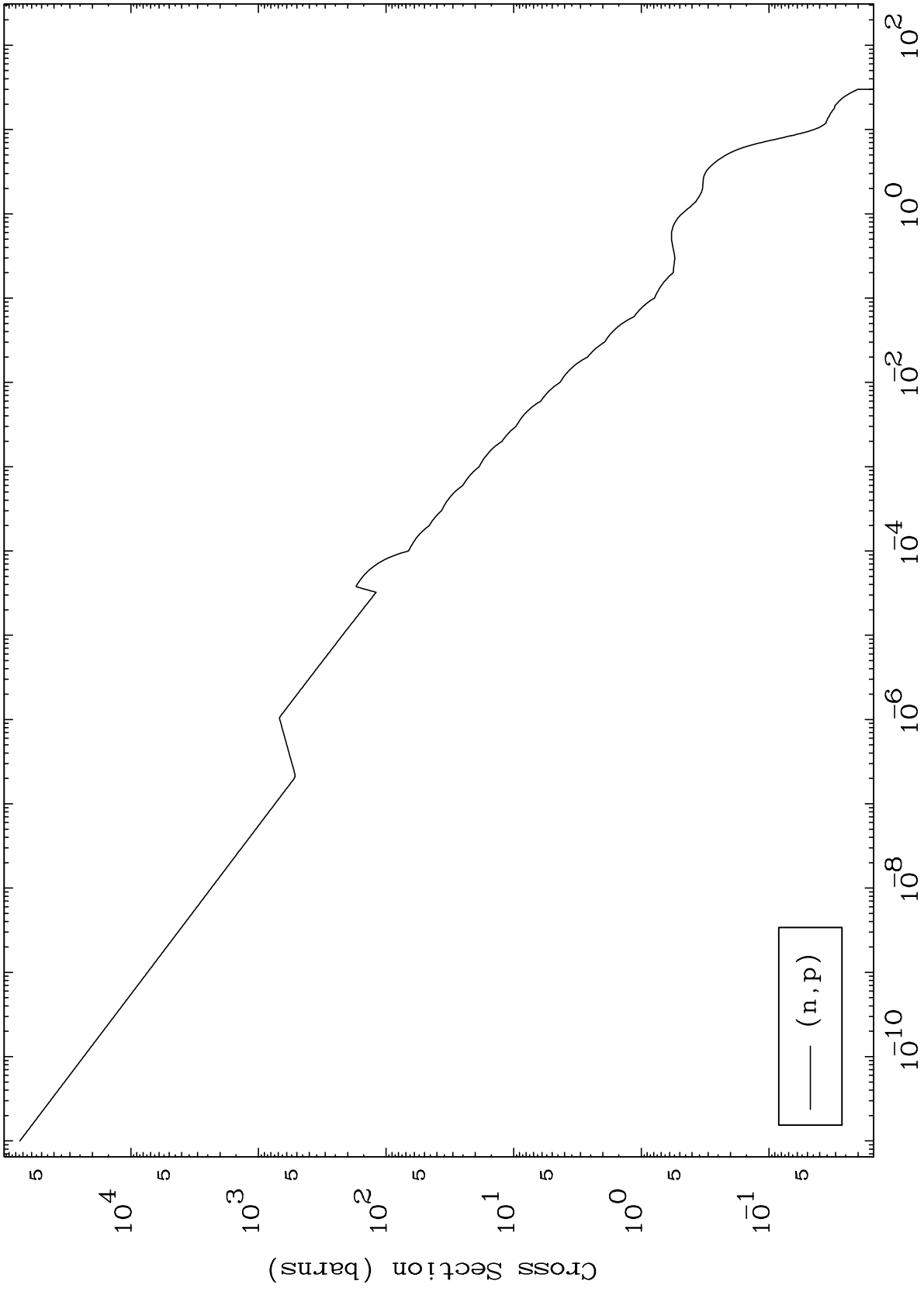
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,p) Levels
293 Kelvin Cross Sections

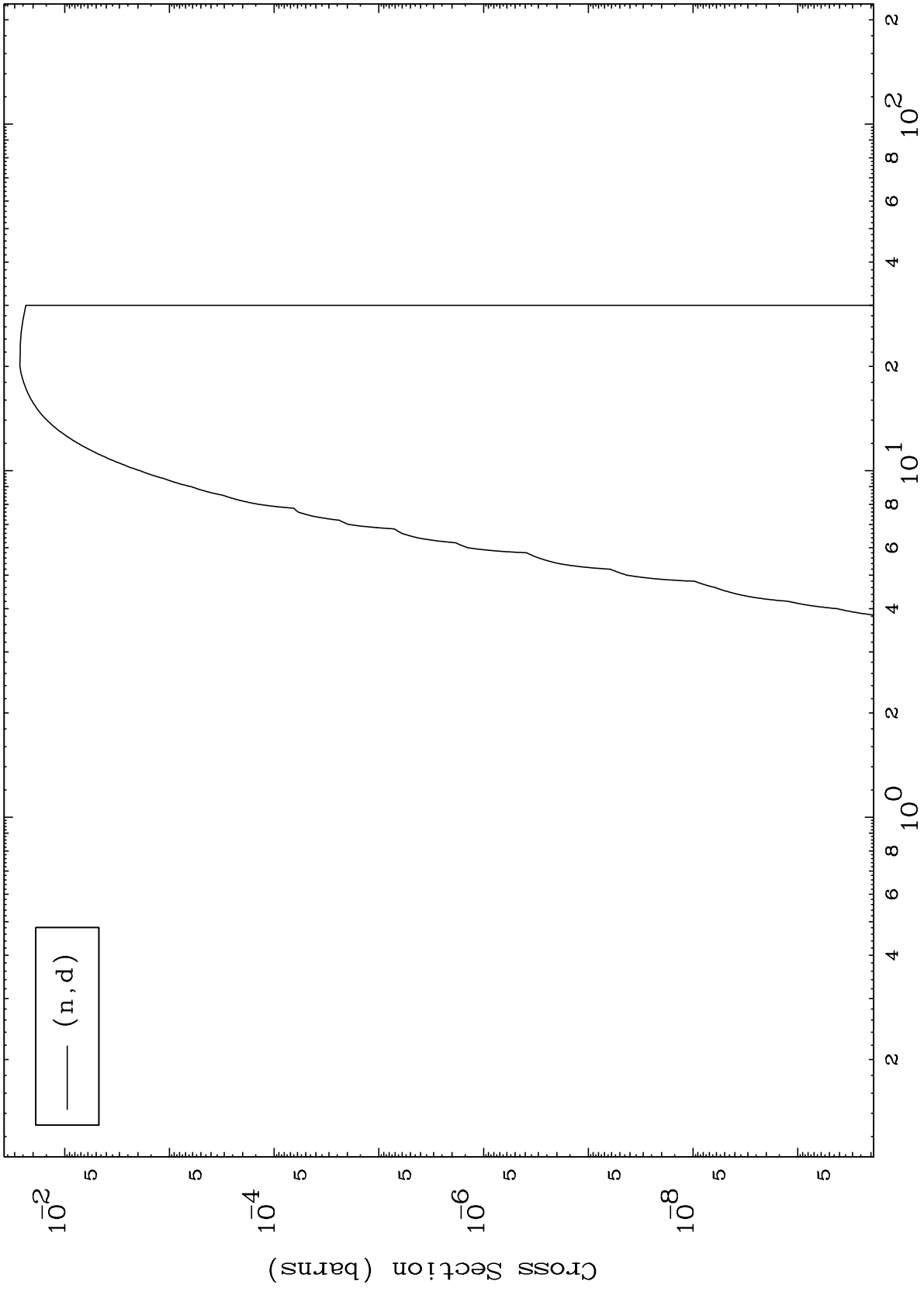
70-Yb-151



MAT 6974

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-151

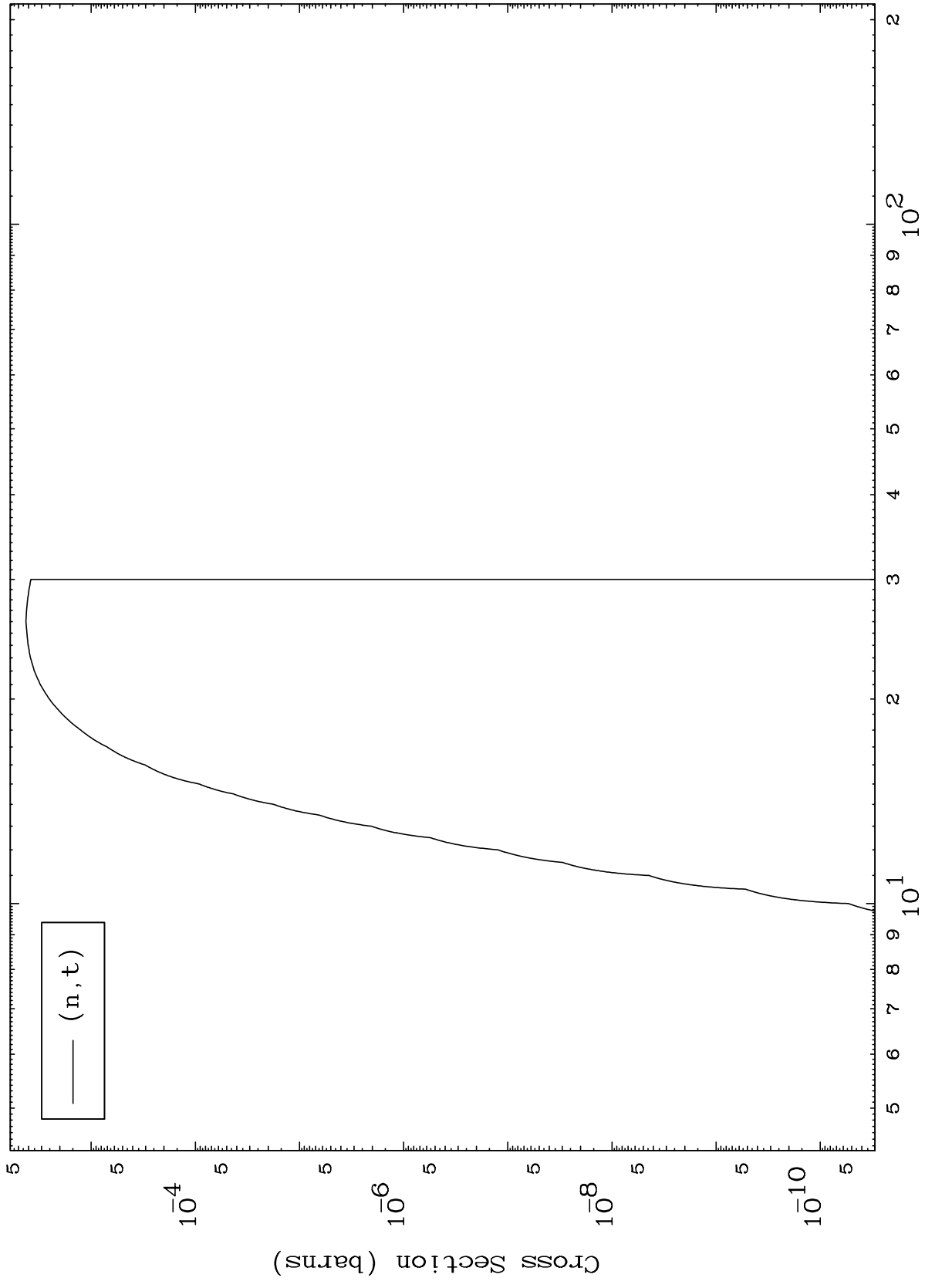


70-Yb-151

MAT 6974

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-151



10

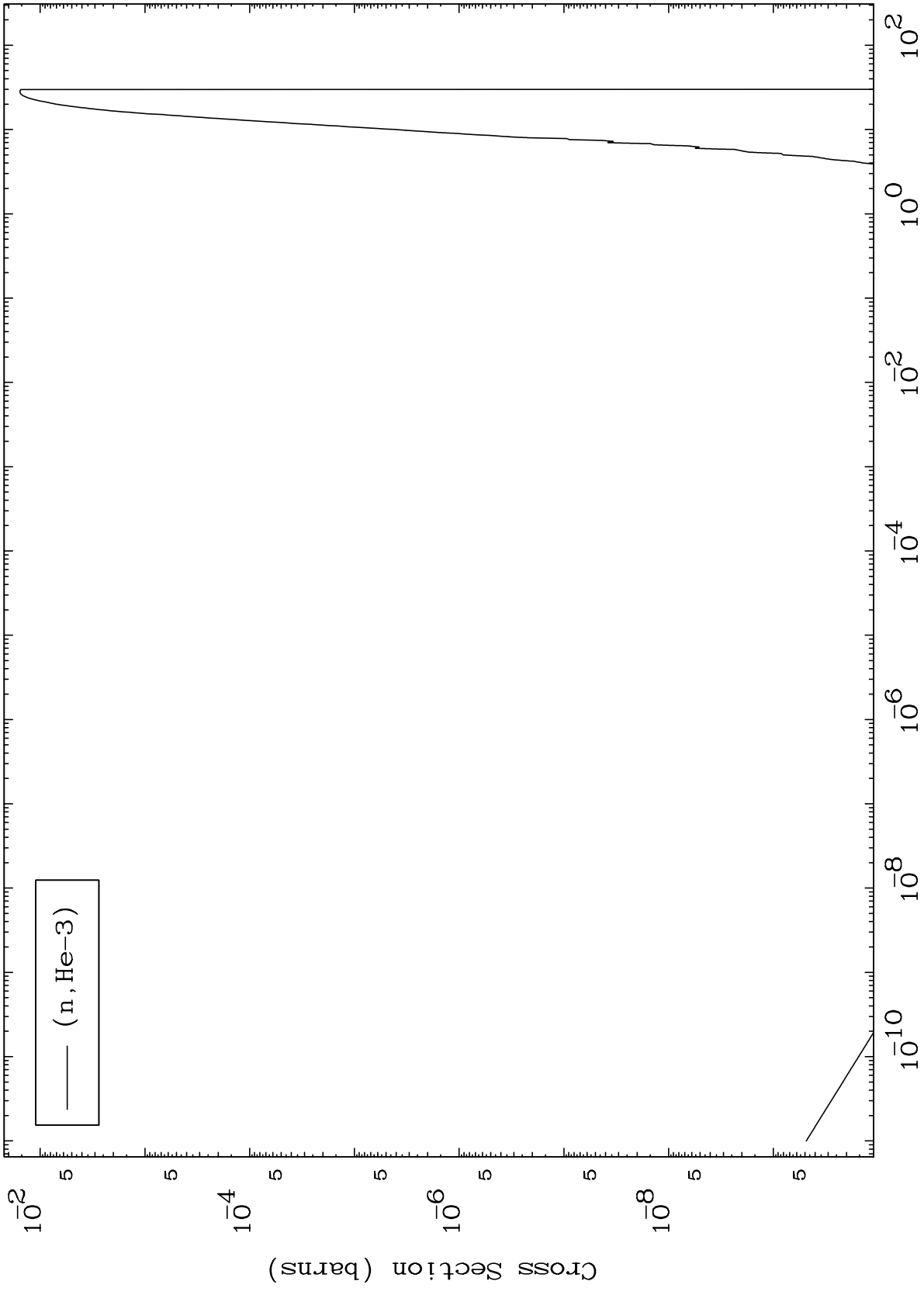
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-151

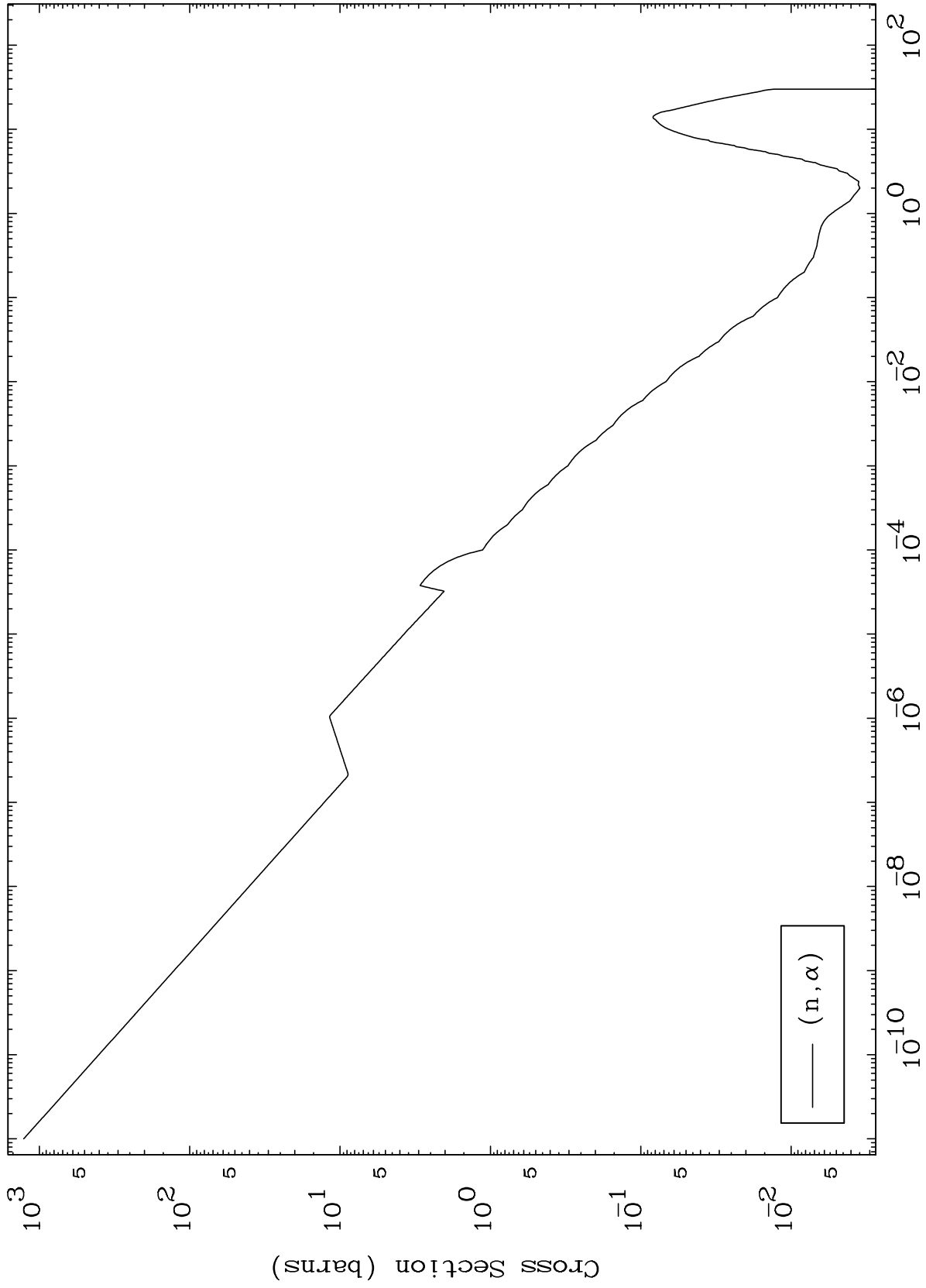


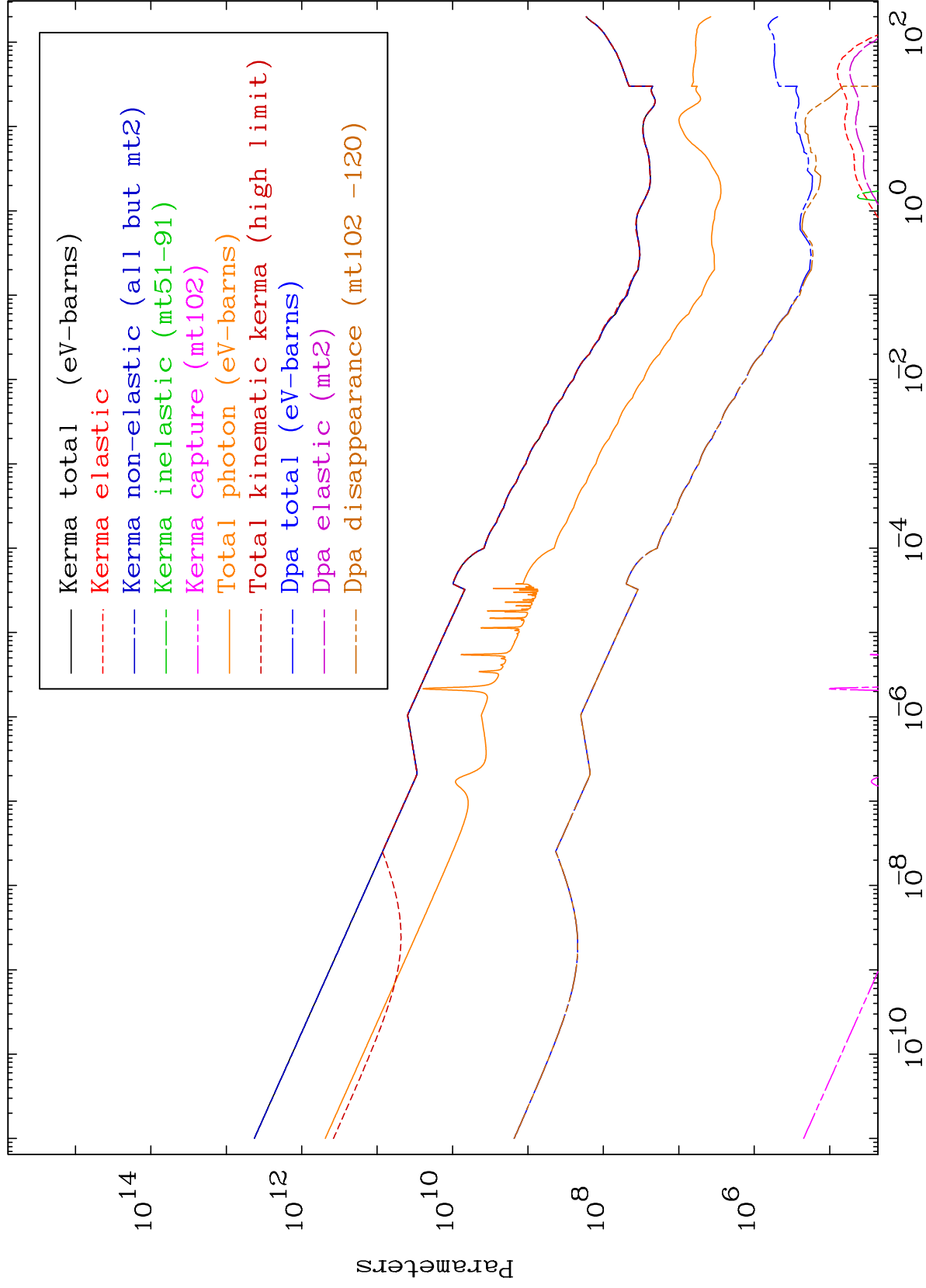
70-Yb-151

MAT 6974

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-151

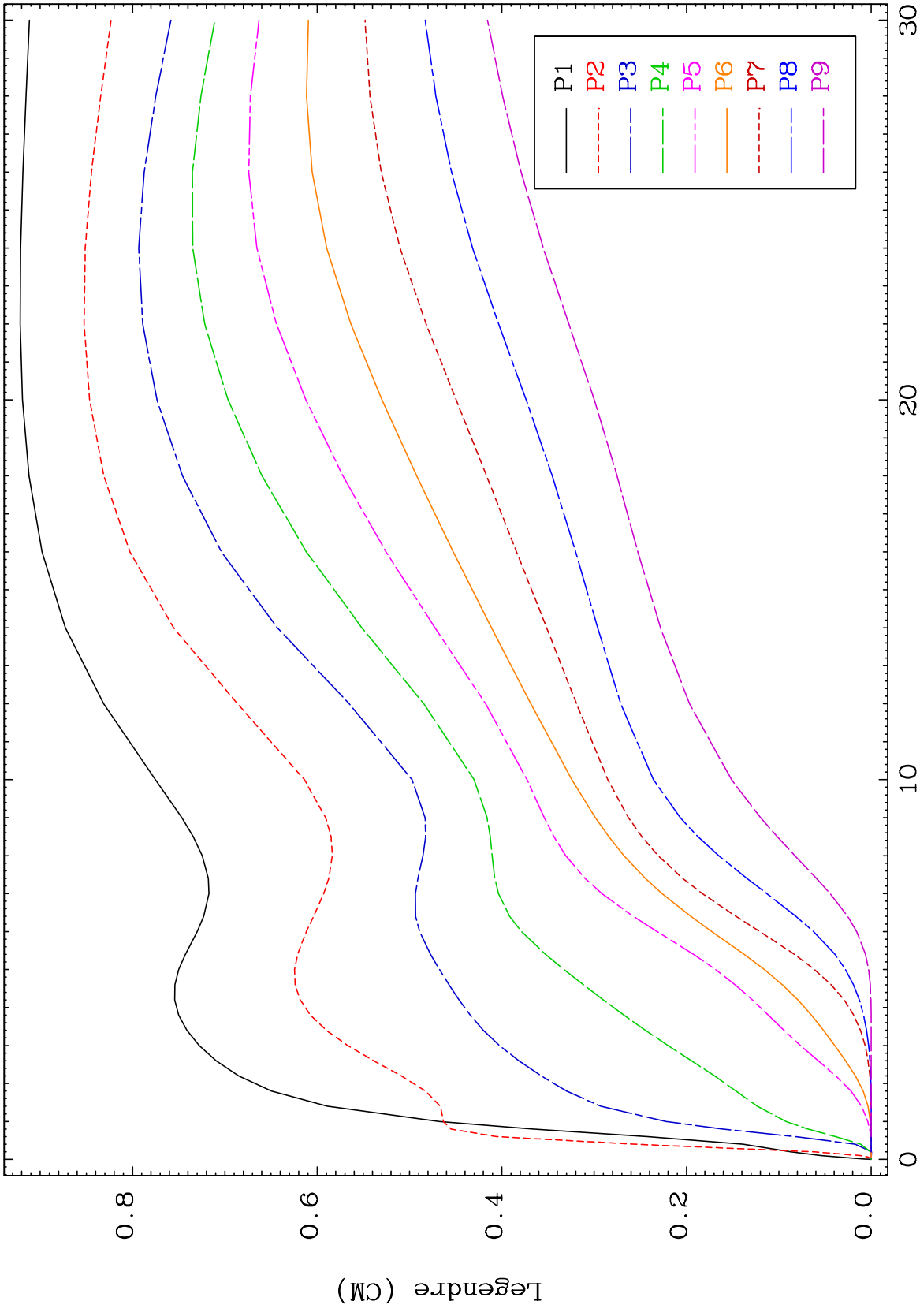




MAT 6974

Elastic Legendre Coefficients

70-Yb-151



14

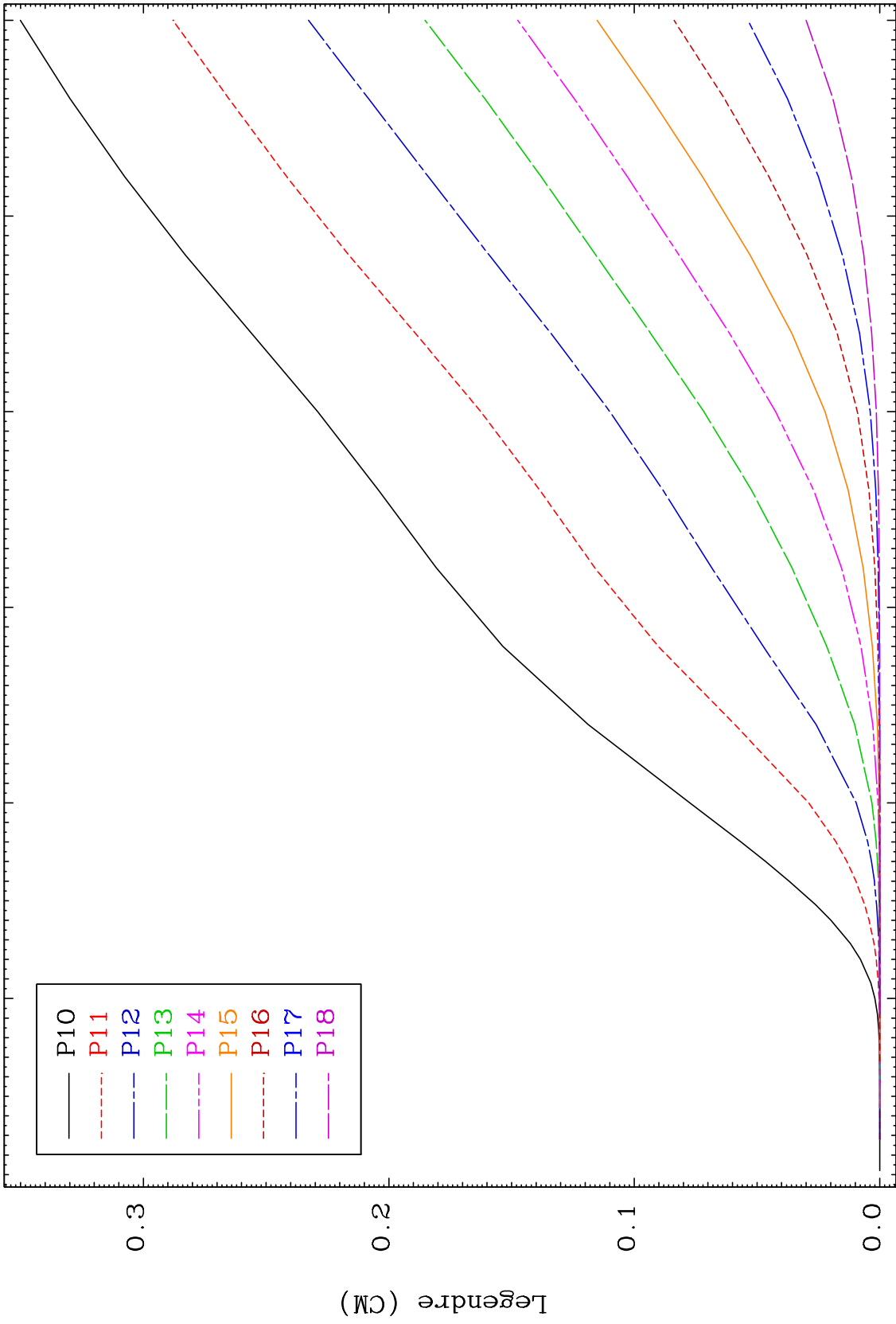
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



15

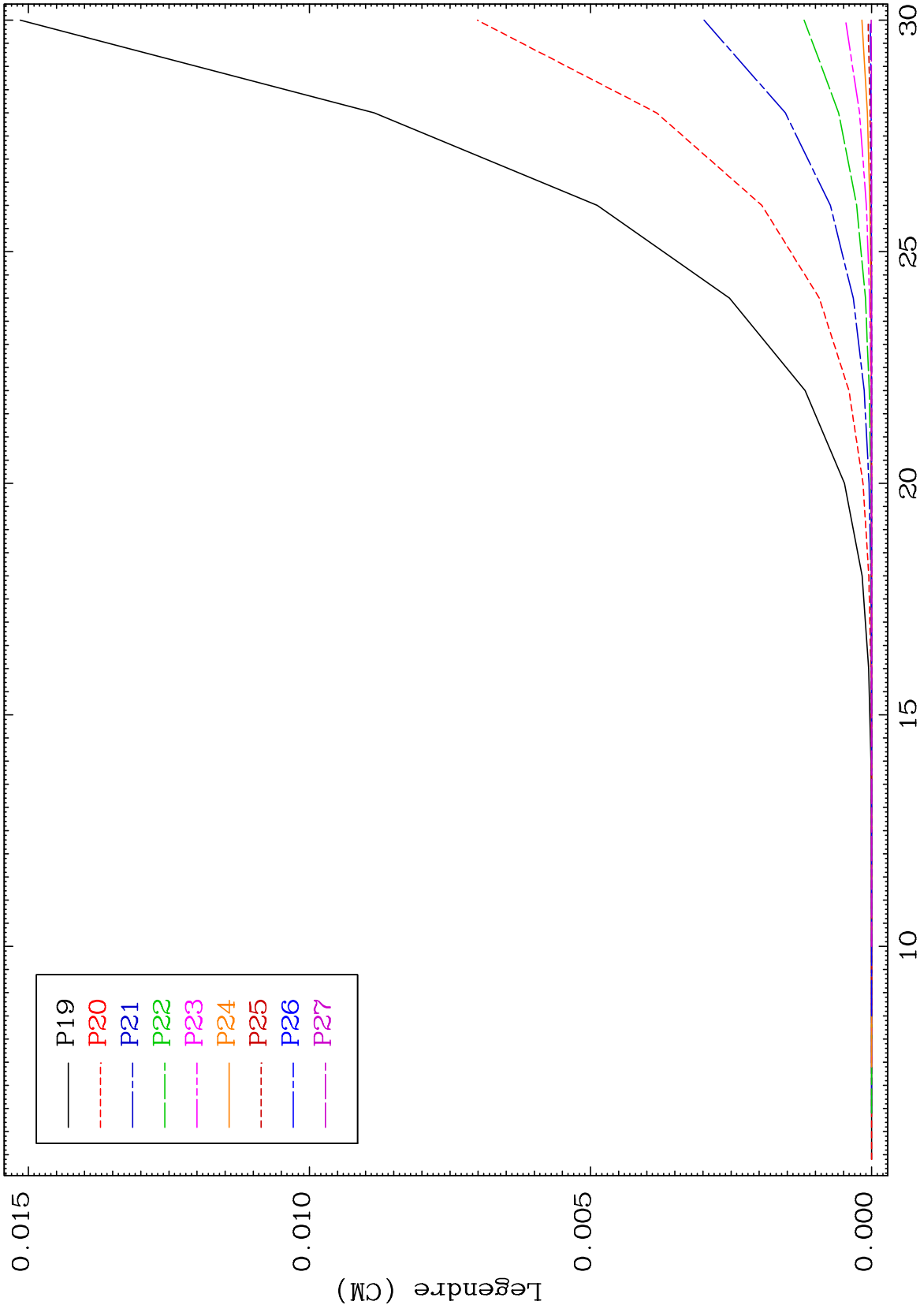
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



16

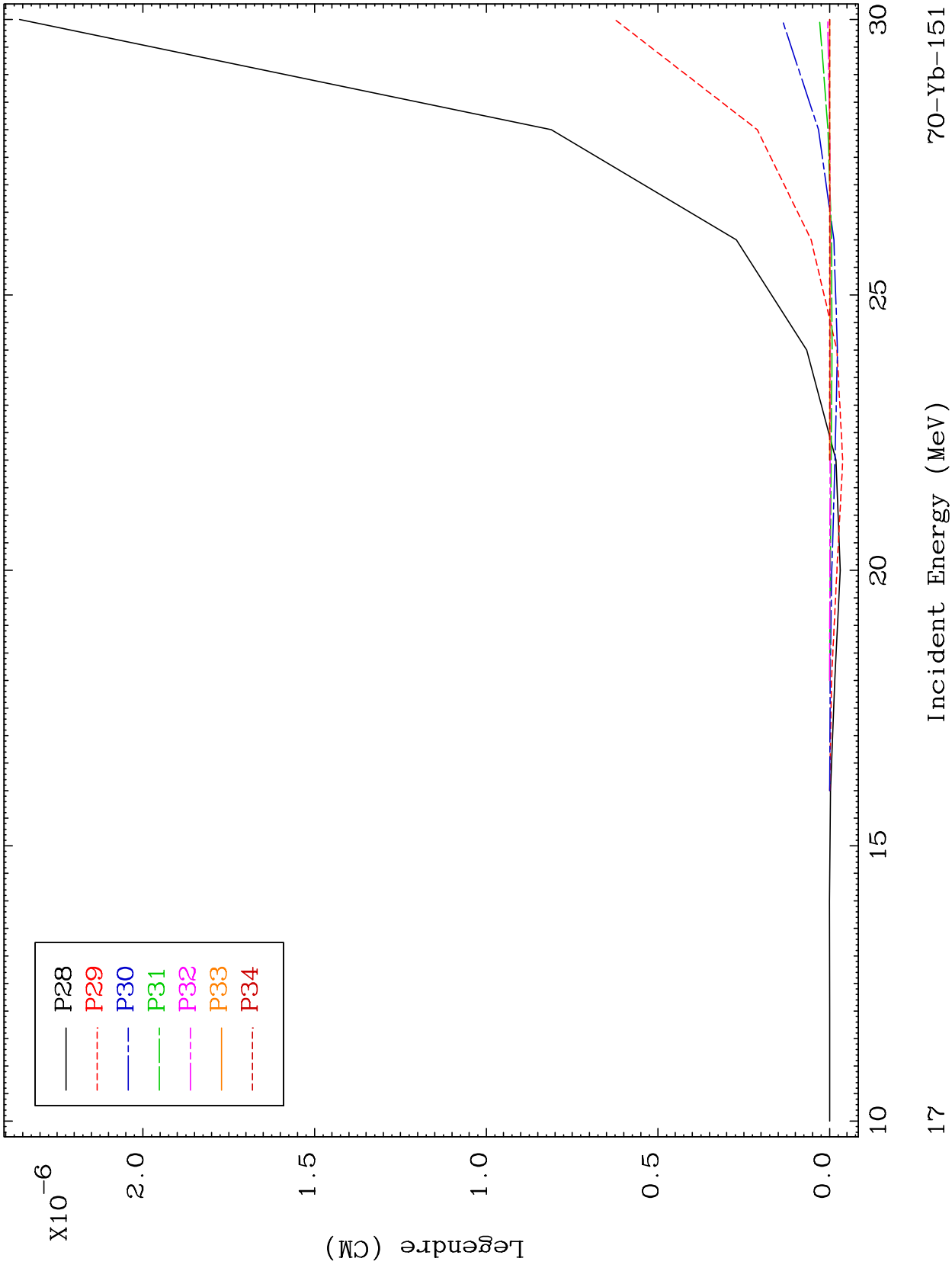
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

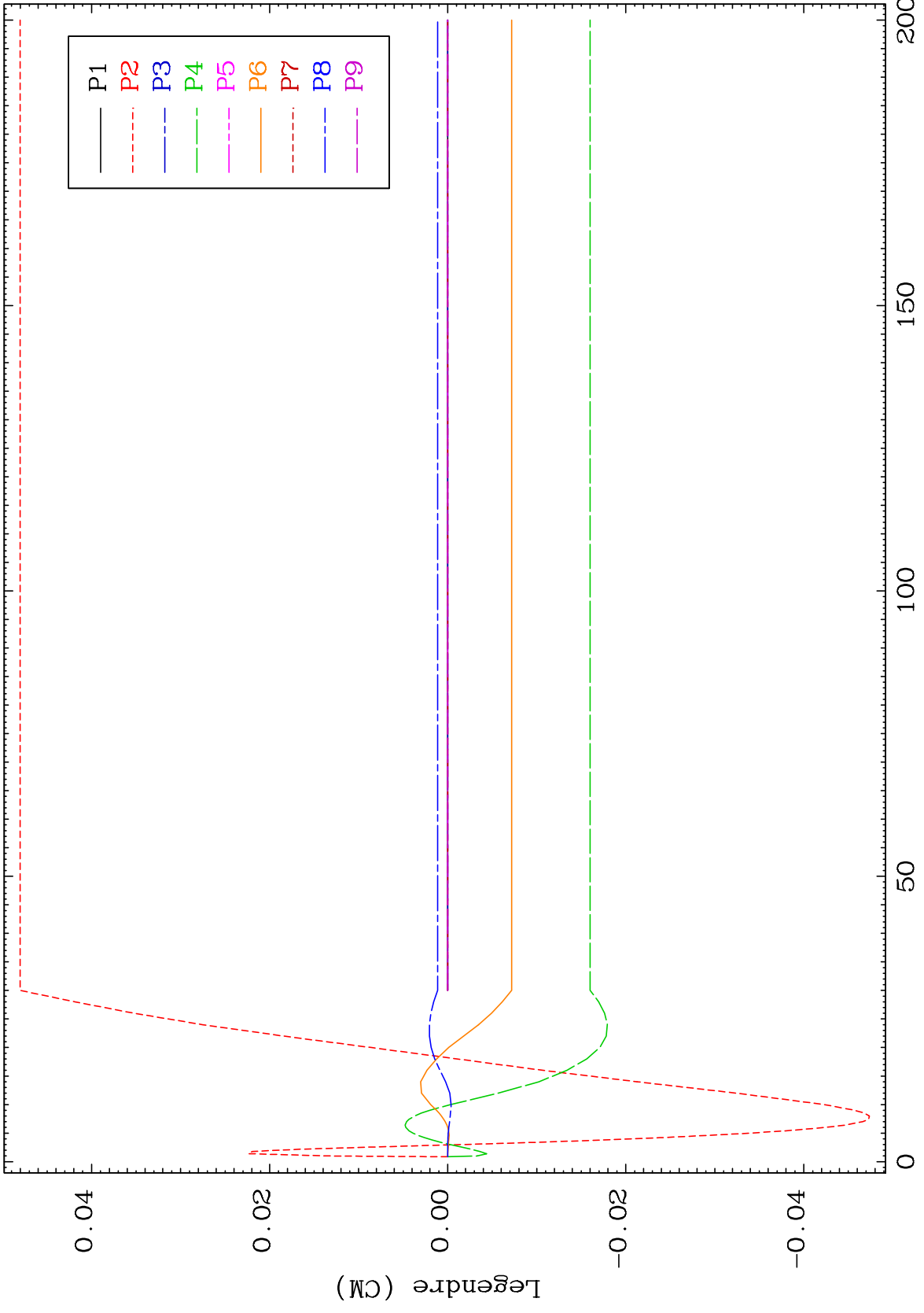
70-Yb-151



17

70-Yb-151

MAT 6974 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-151

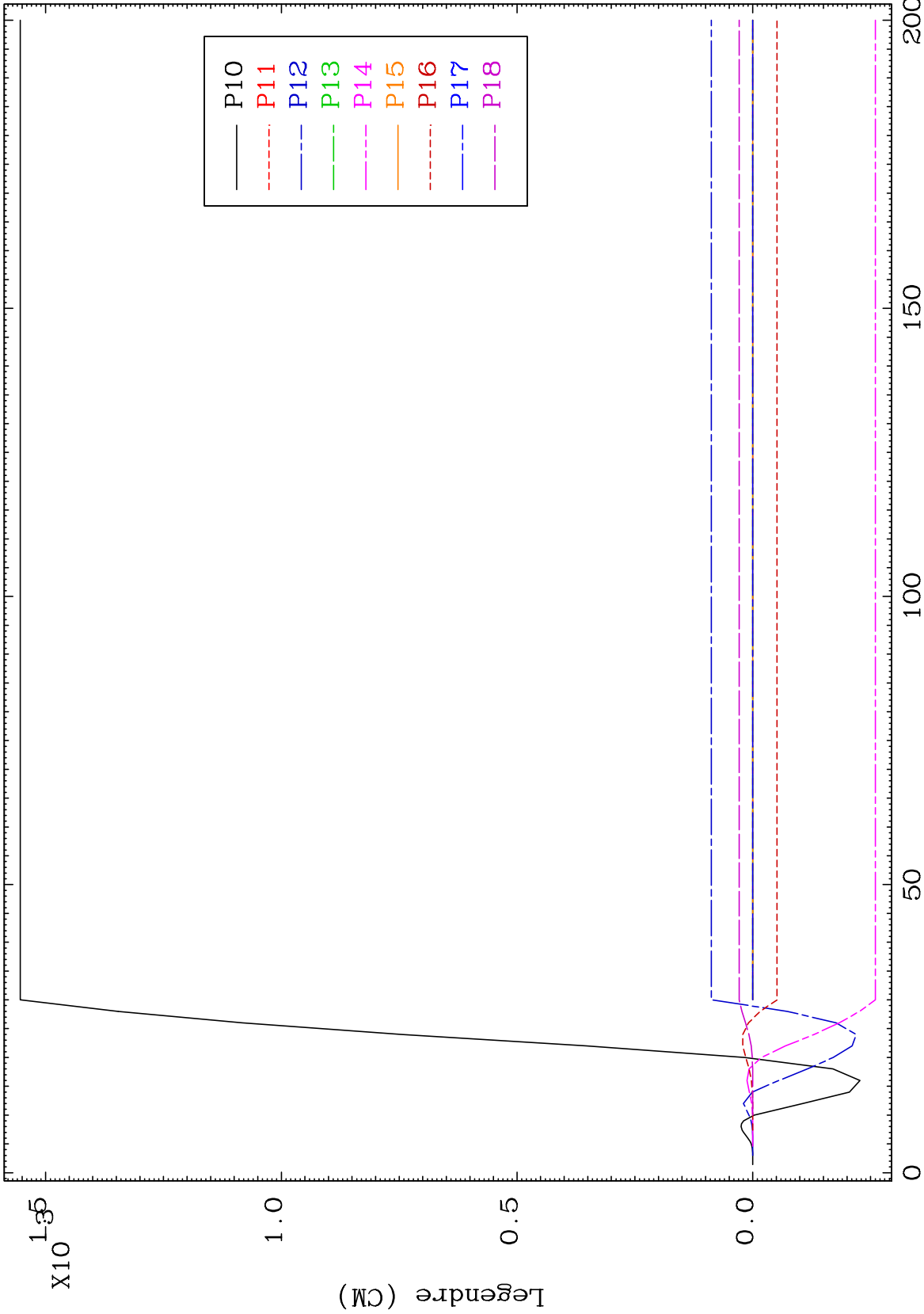


18 Incident Energy (MeV) 70-Yb-151

MAT 6974

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

70-Yb-151

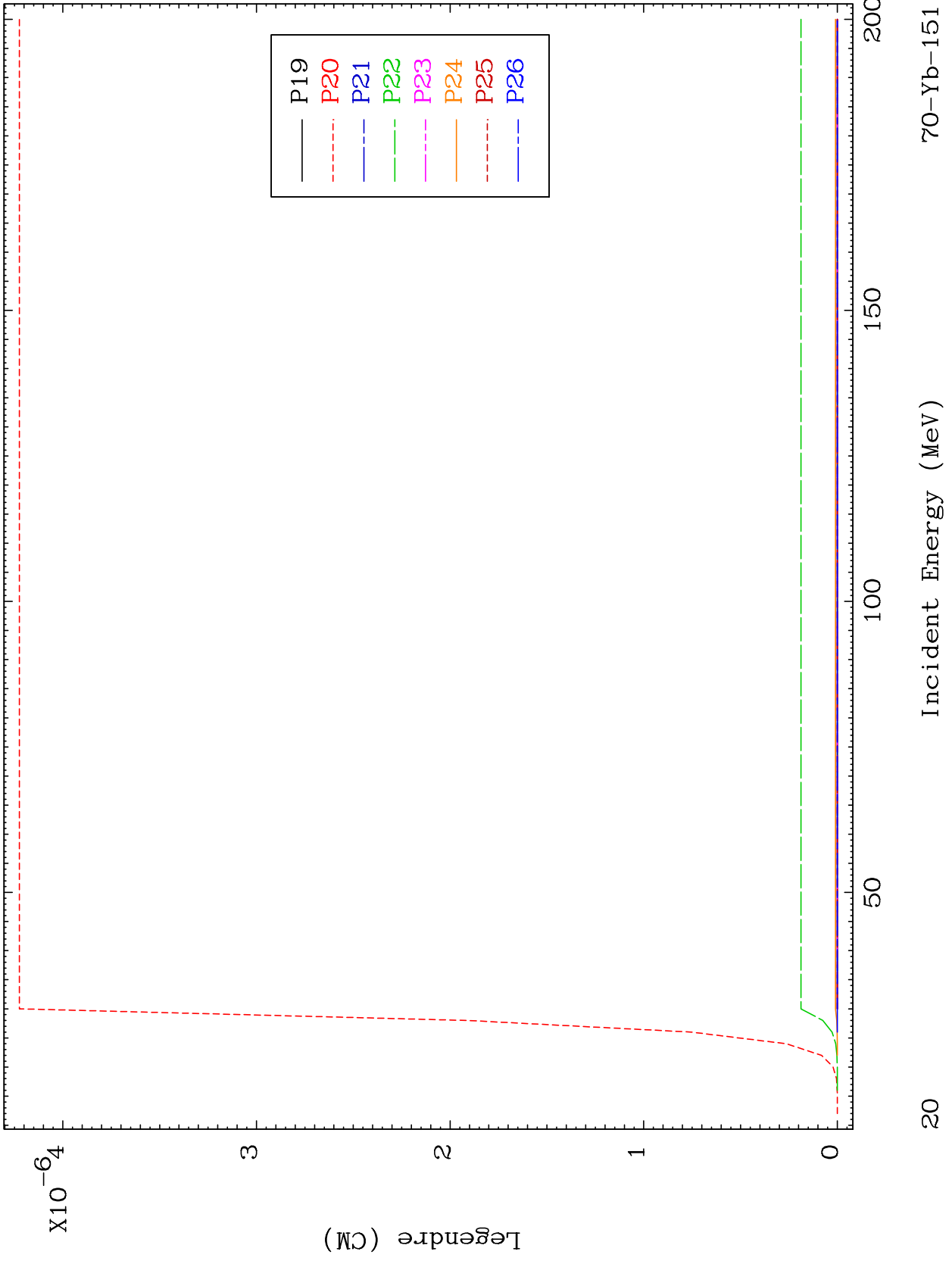


19

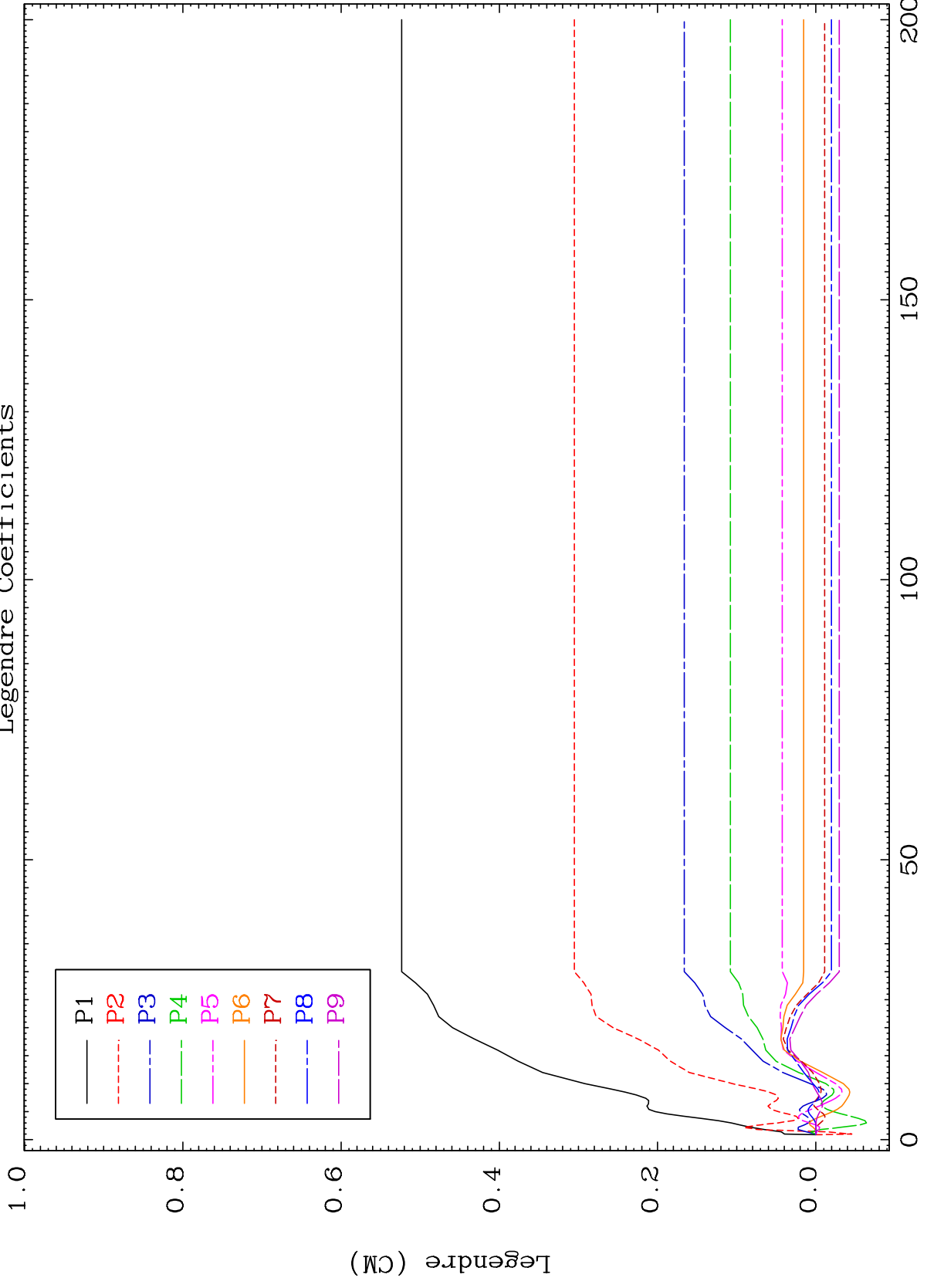
Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-151



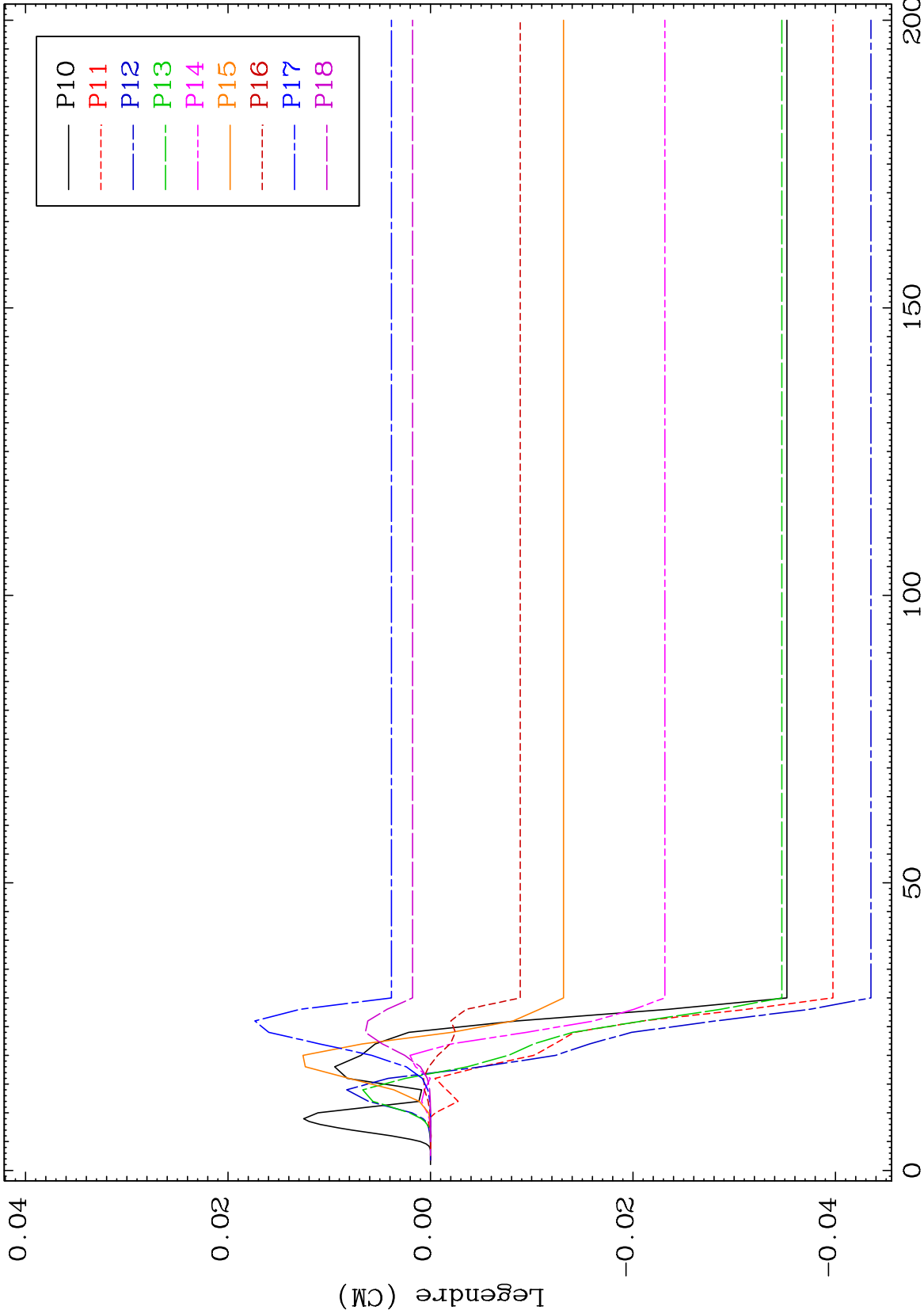
MAT 6974 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-151



MAT 6974

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

70-Yb-151



22

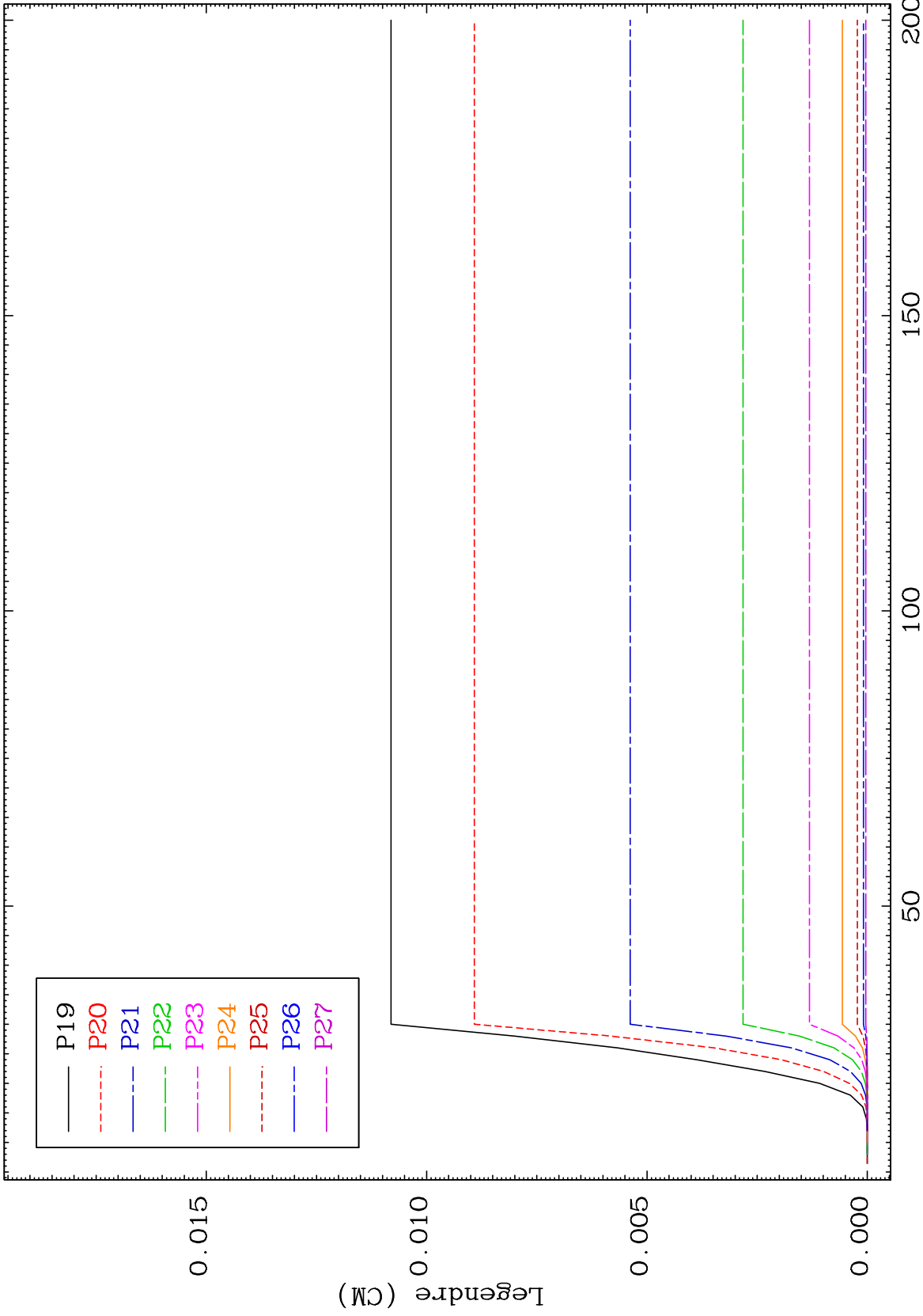
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



23

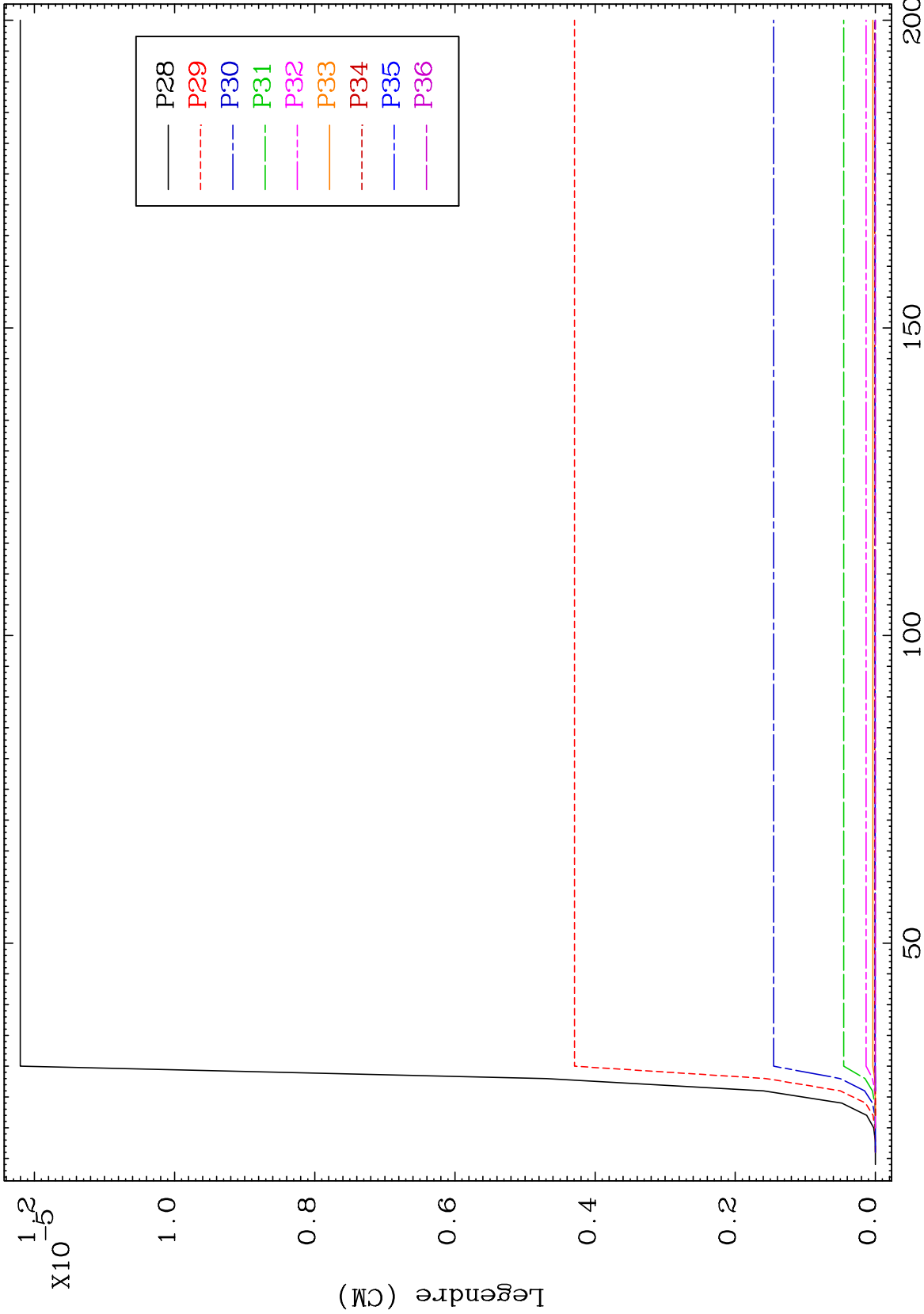
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



24

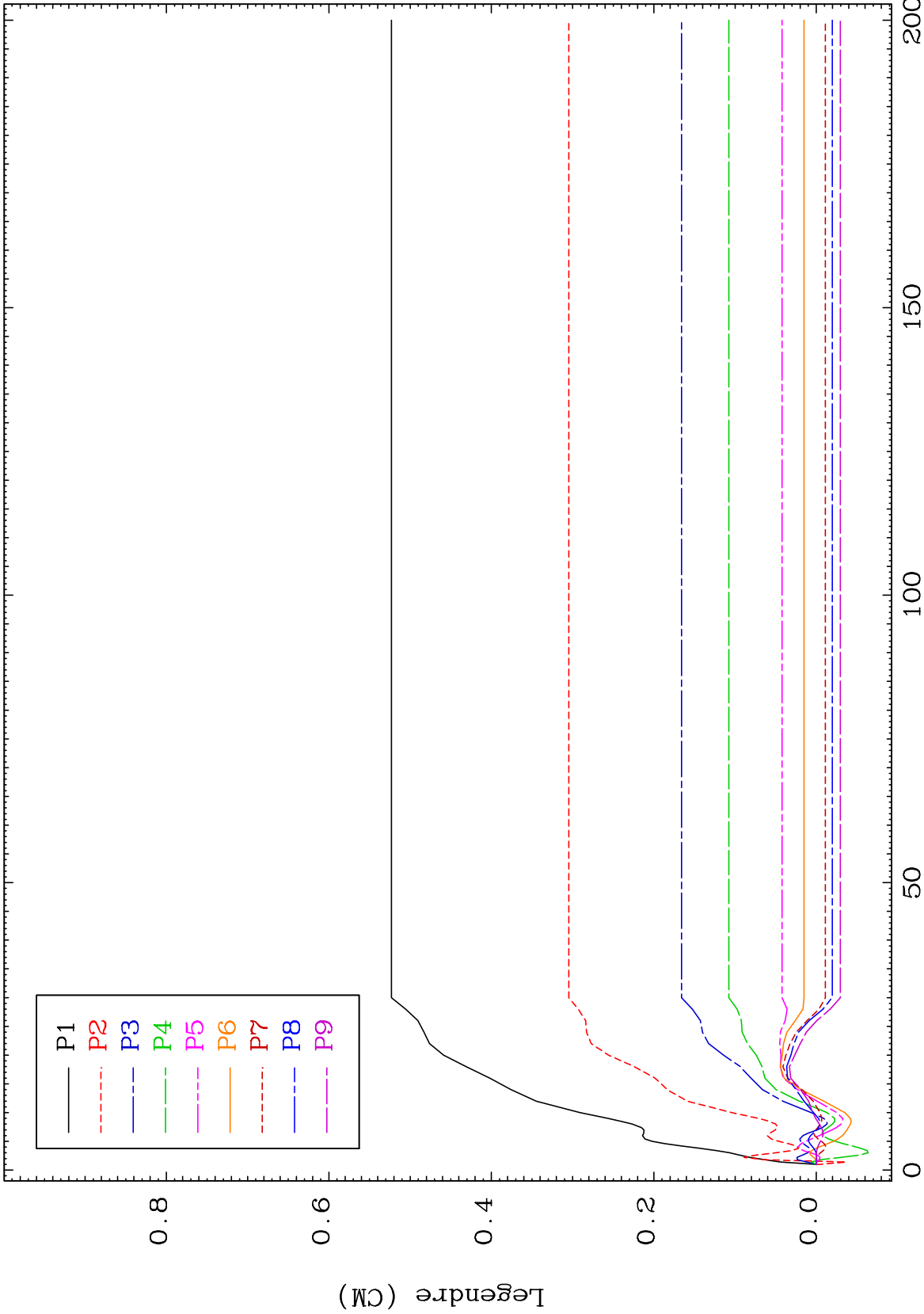
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



25

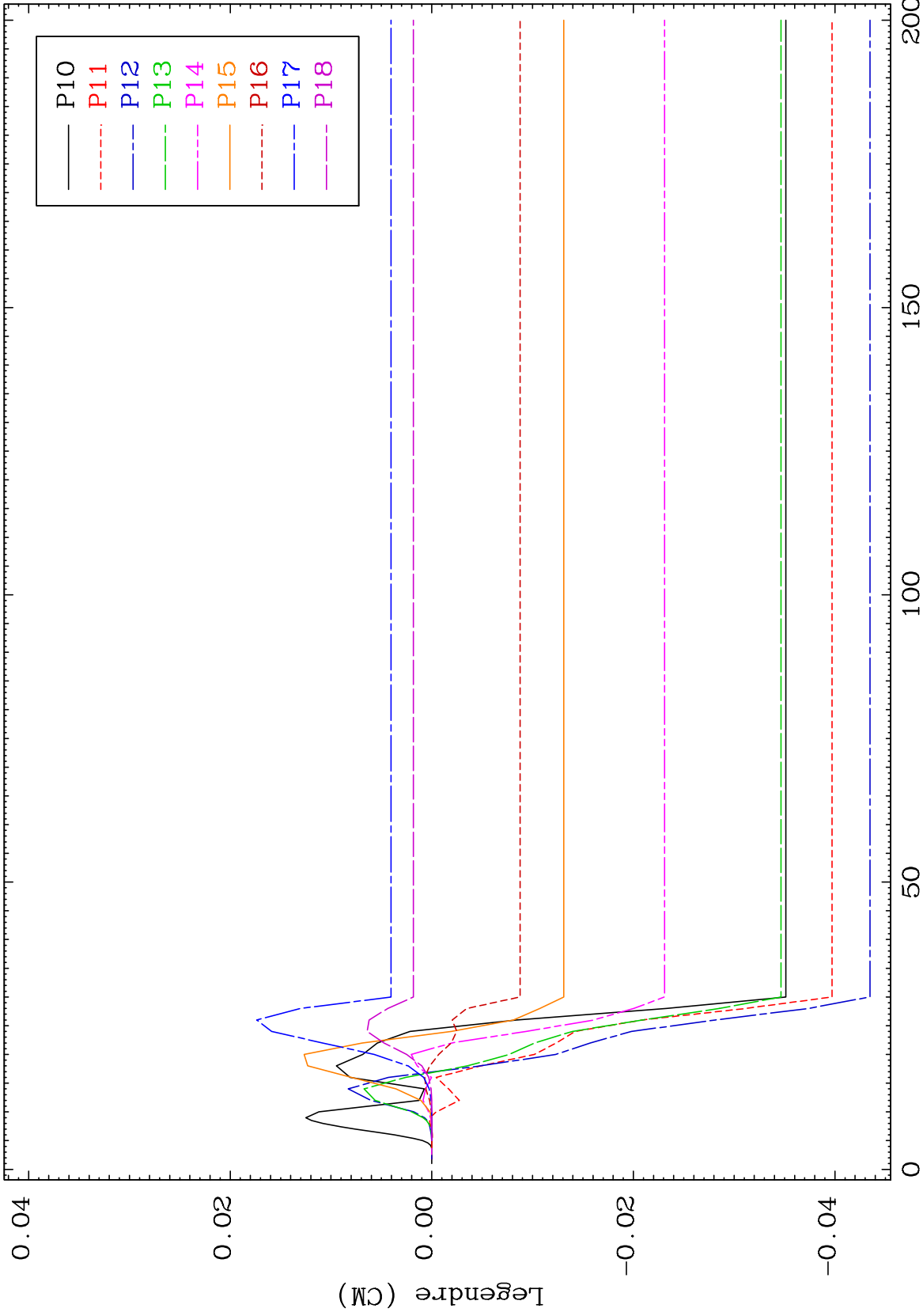
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



26

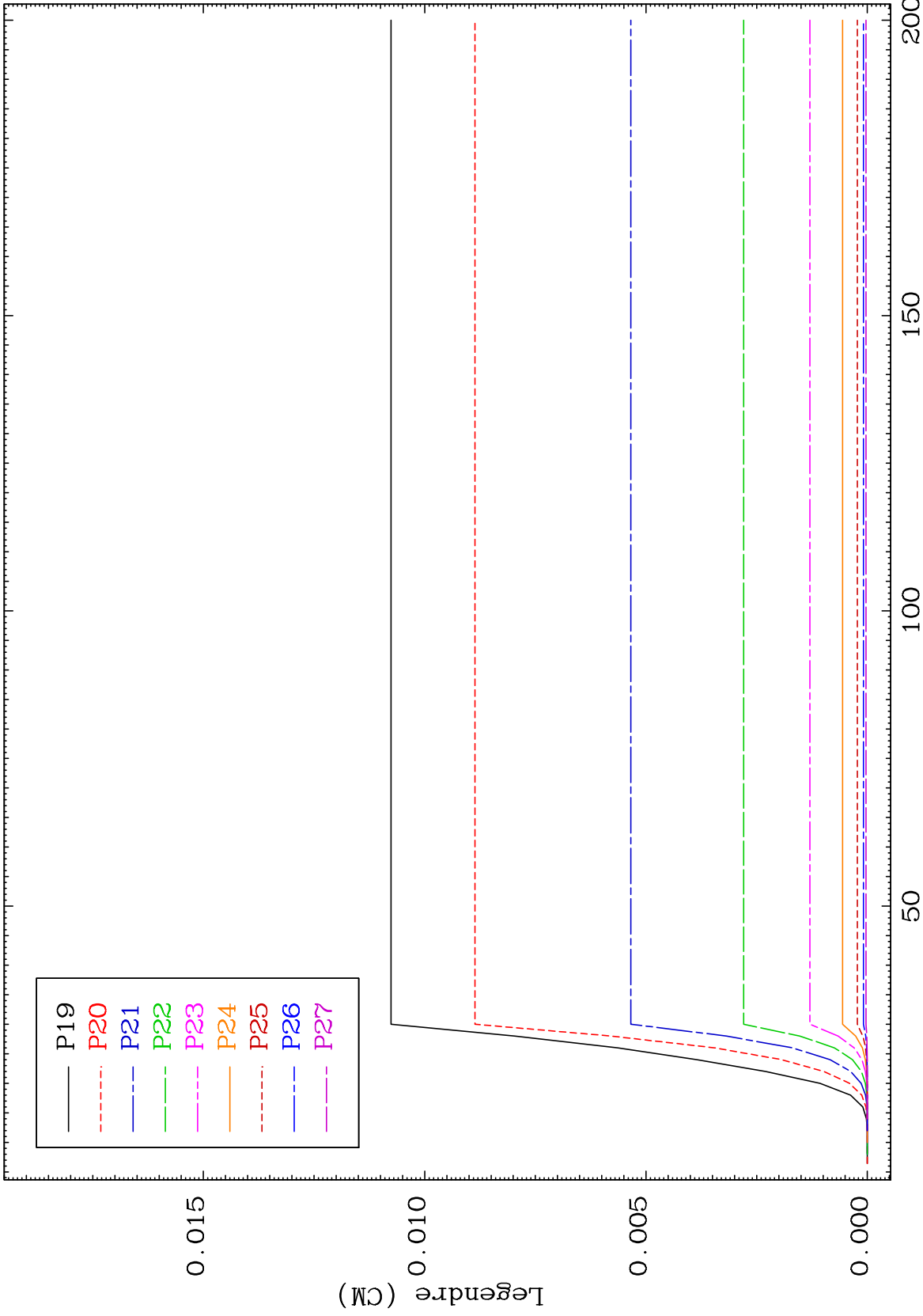
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



27

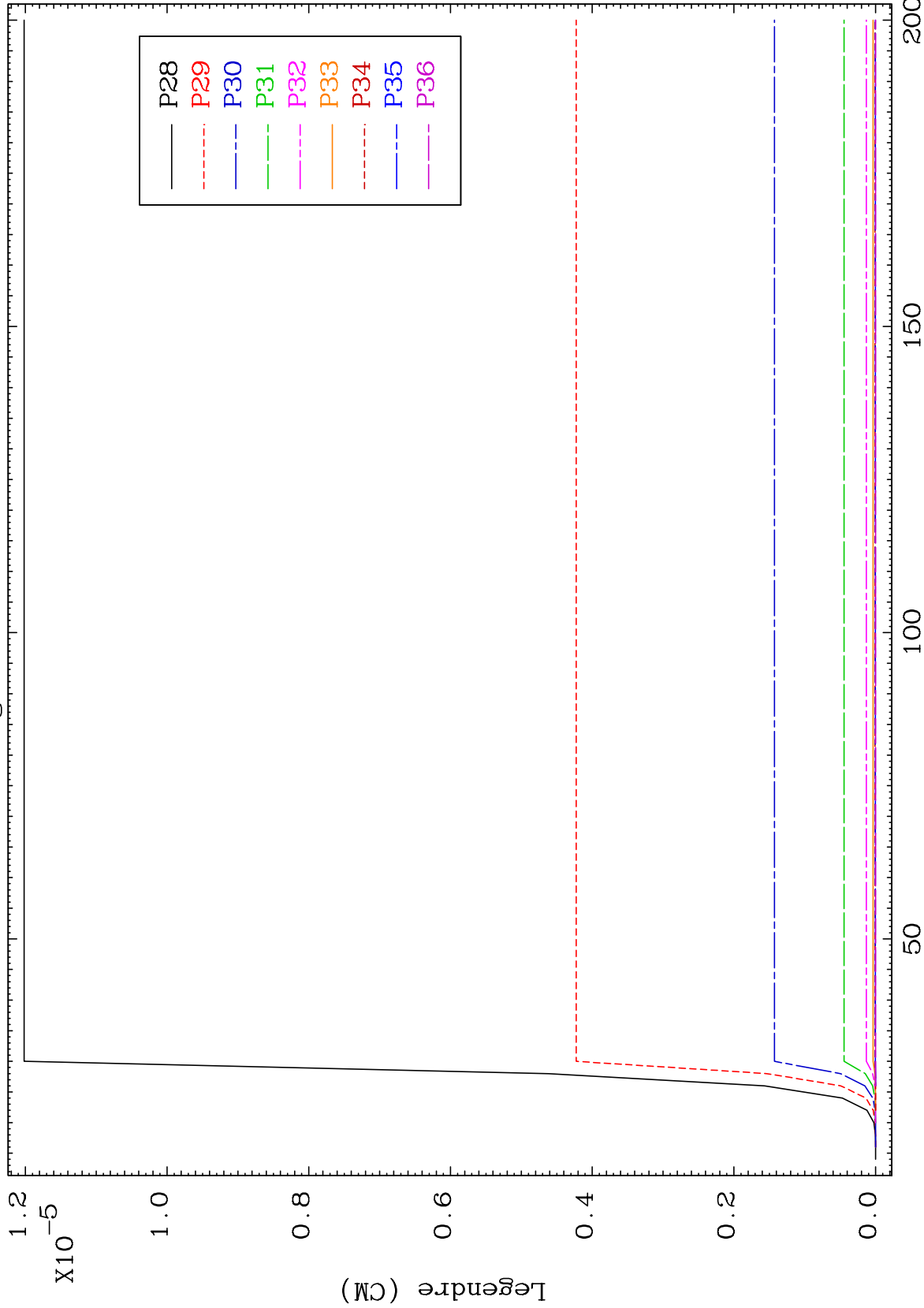
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

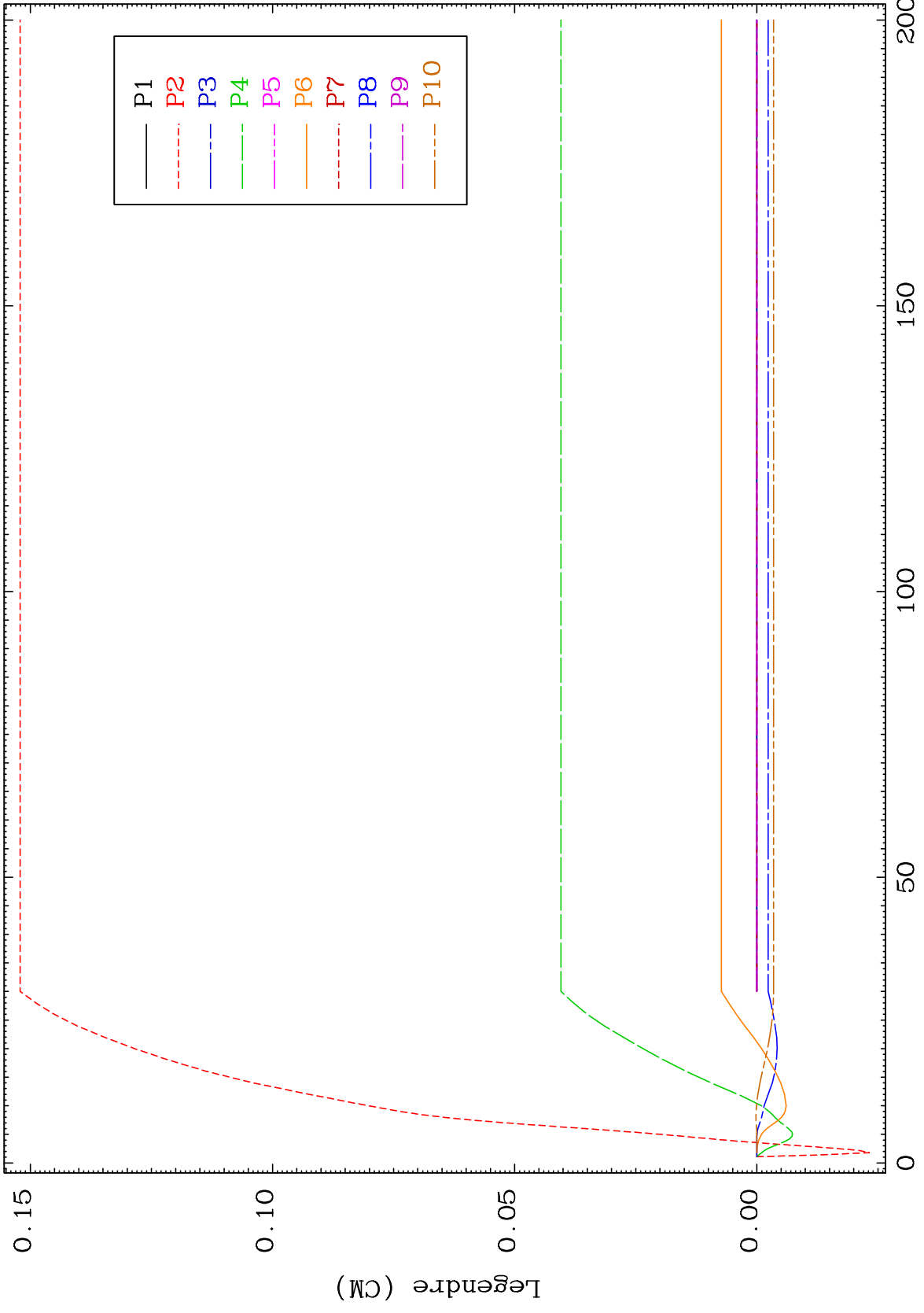


28

Incident Energy (MeV)

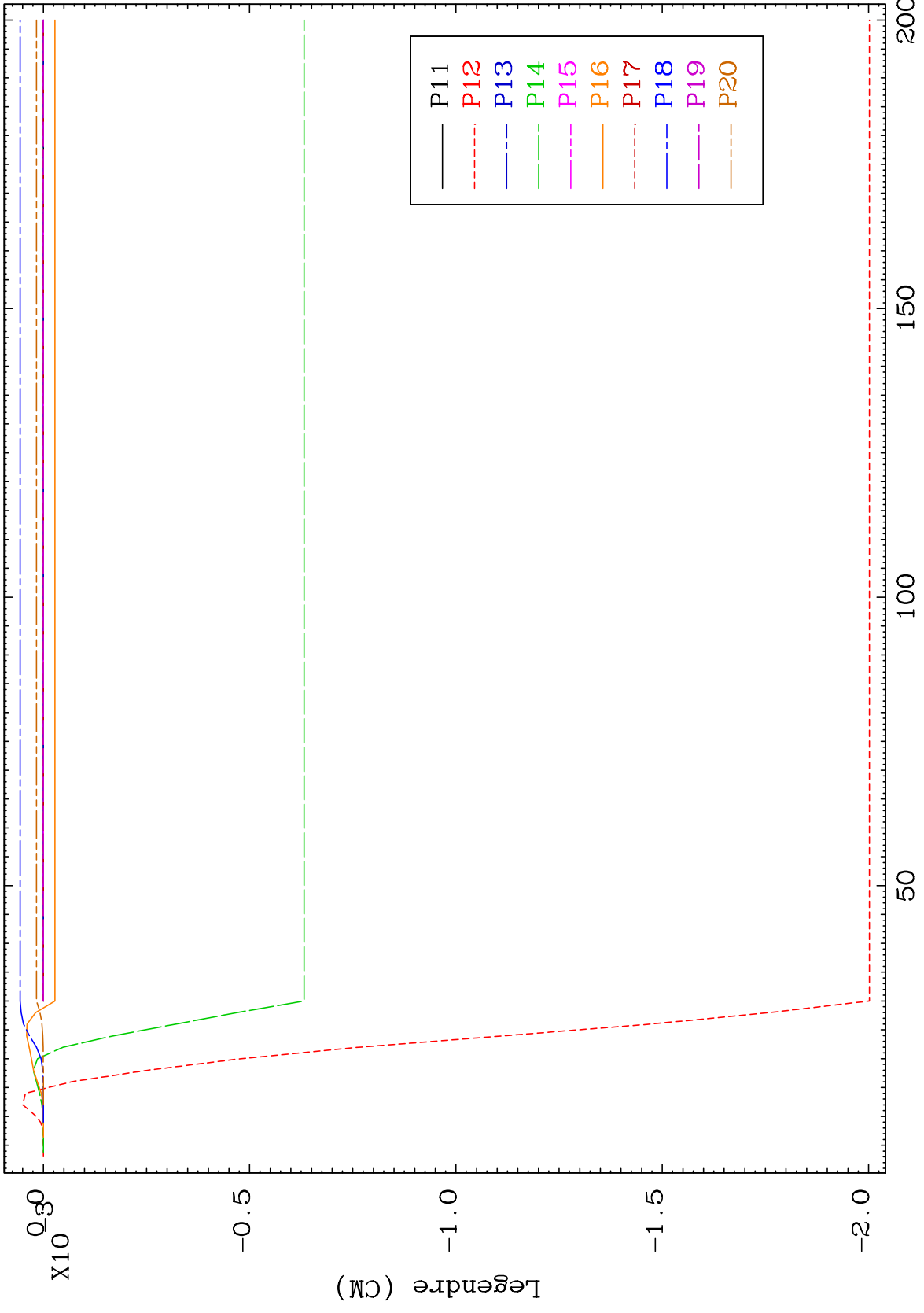
70-Yb-151

MAT 6974 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-151



29 Incident Energy (MeV) 70-Yb-151

MAT 6974 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-151

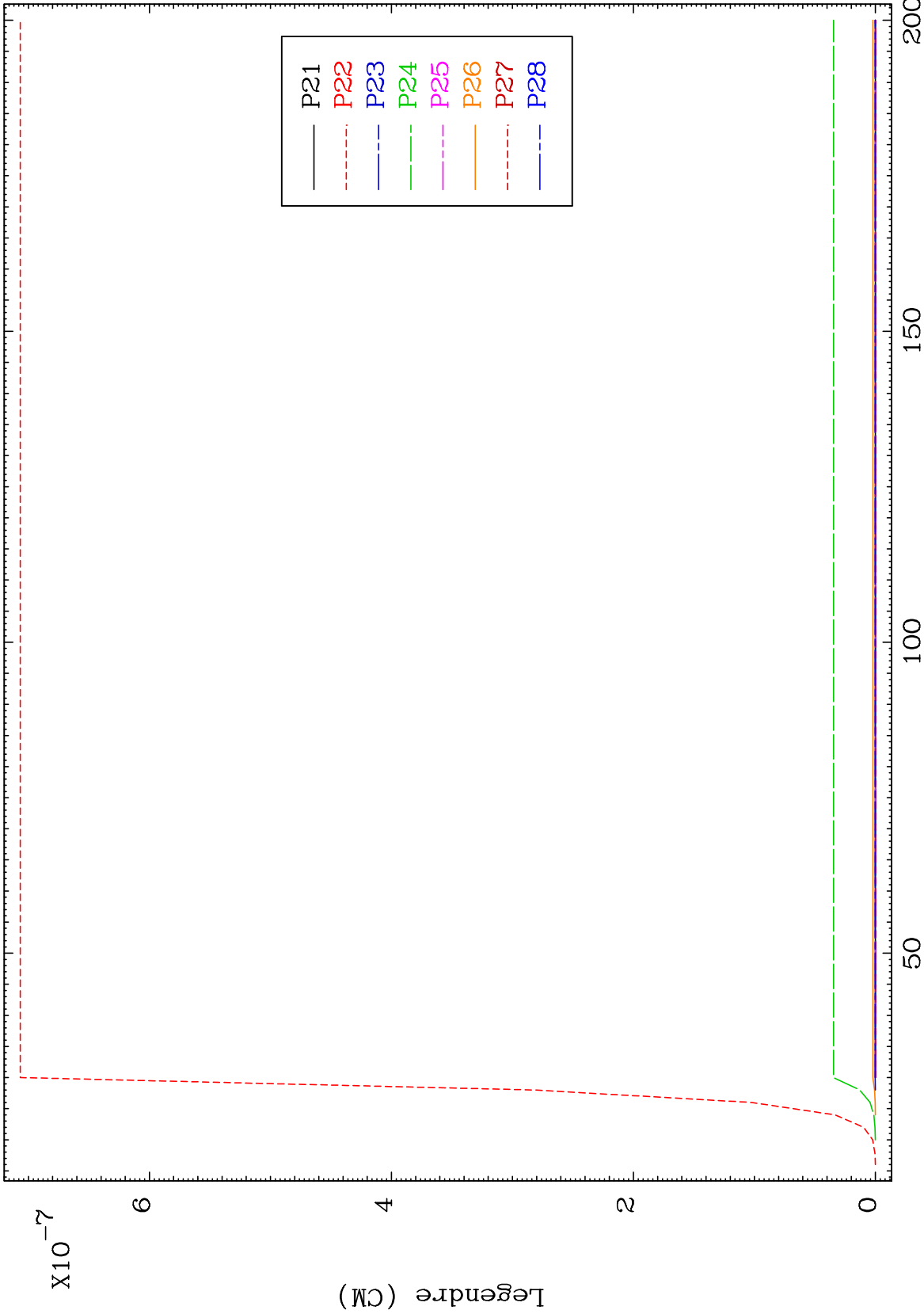


30 Incident Energy (MeV) 70-Yb-151

MAT 6974

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

70-Yb-151



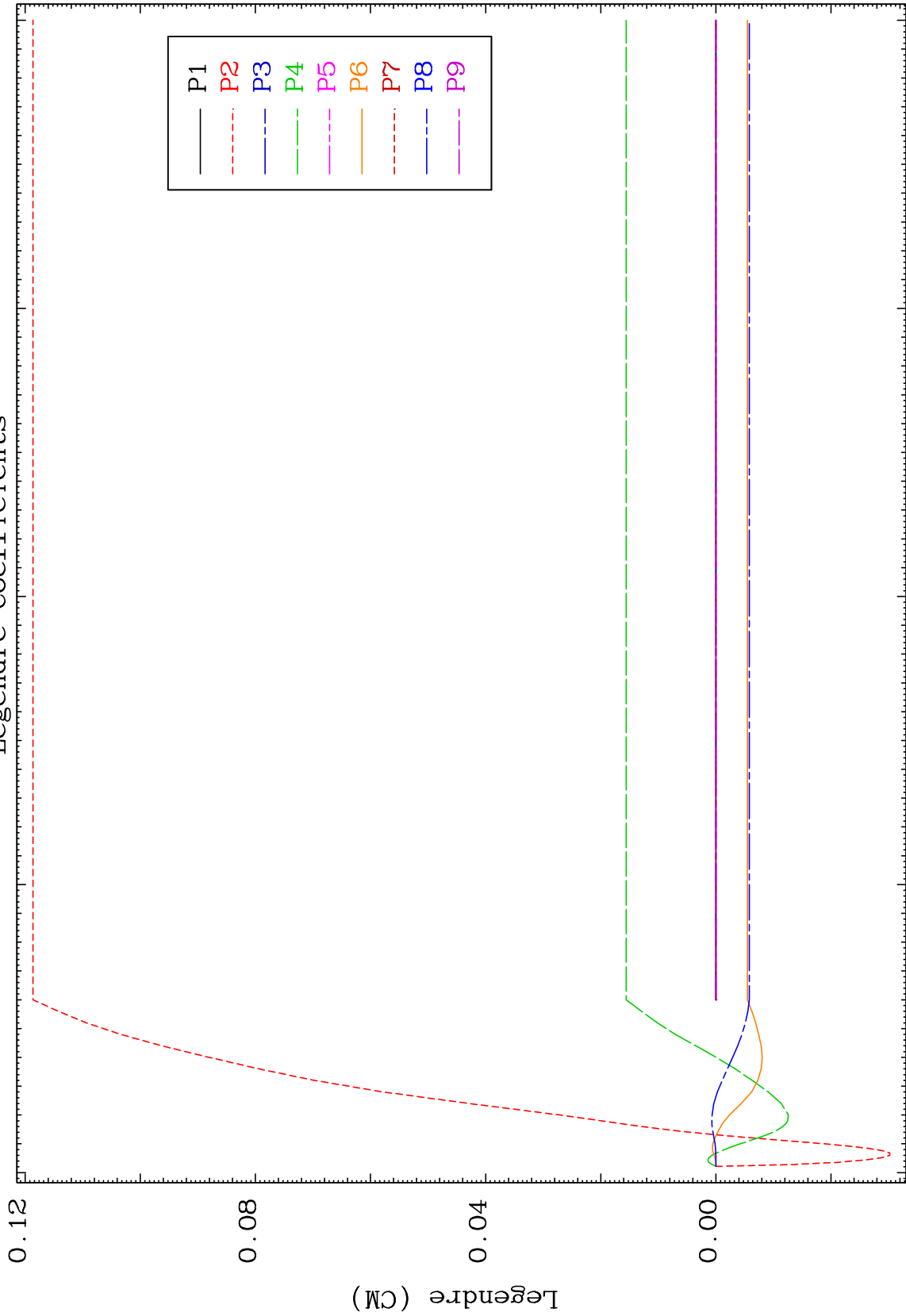
31

Incident Energy (MeV)

70-Yb-151

MAT 6974 MT= 55 (n,n') Level Legendre Coefficients

70-Yb-151



32

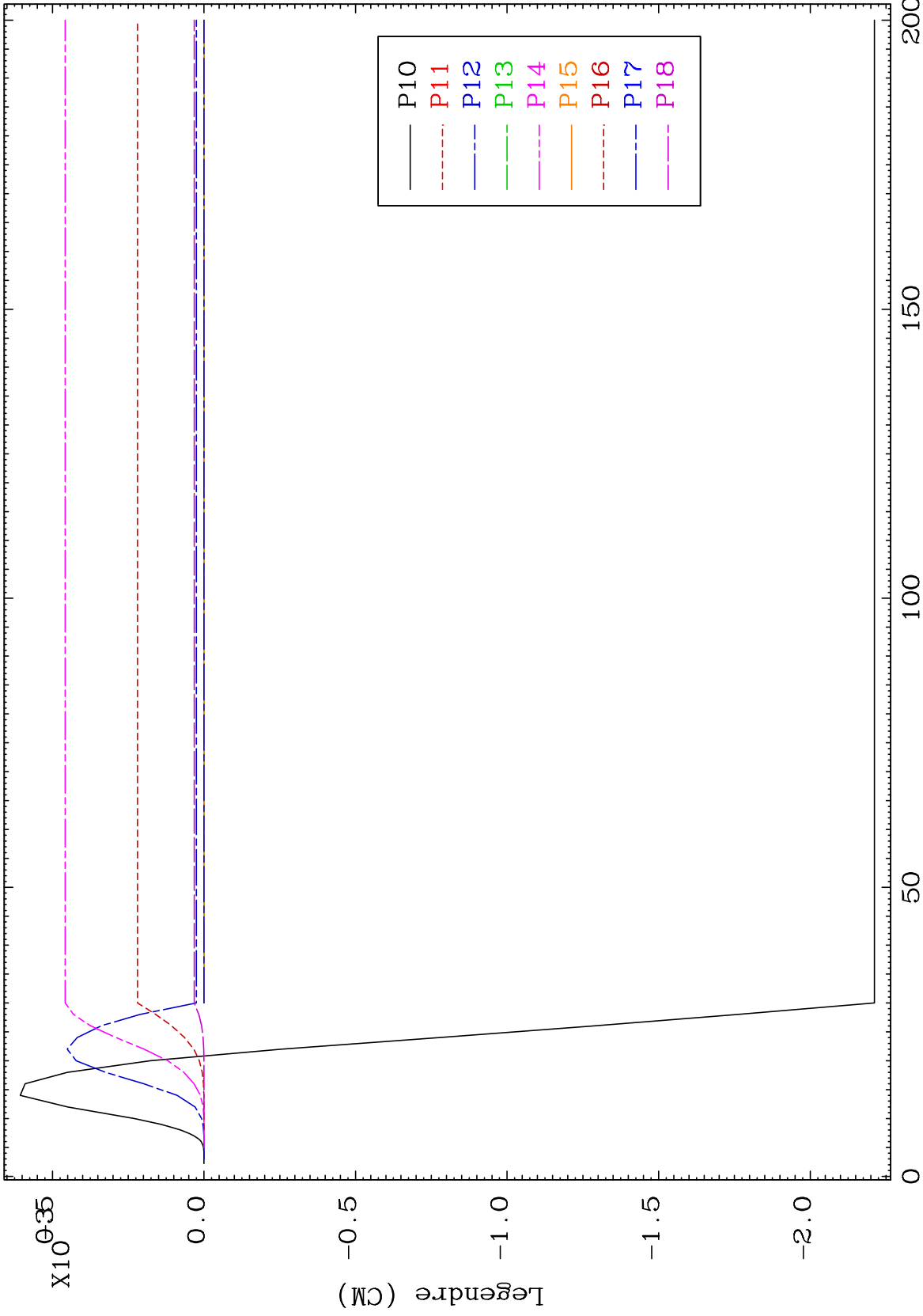
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



33

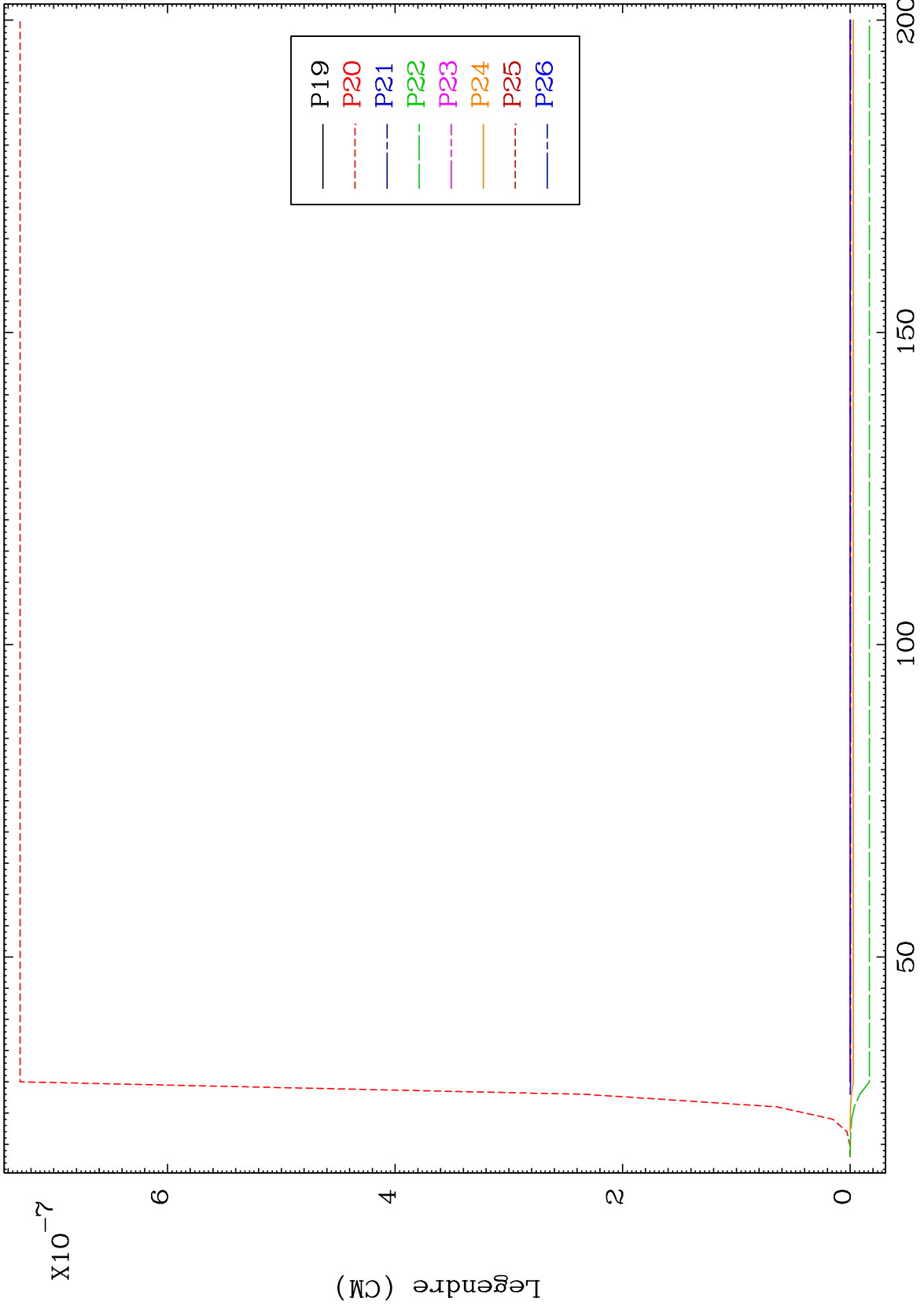
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



34

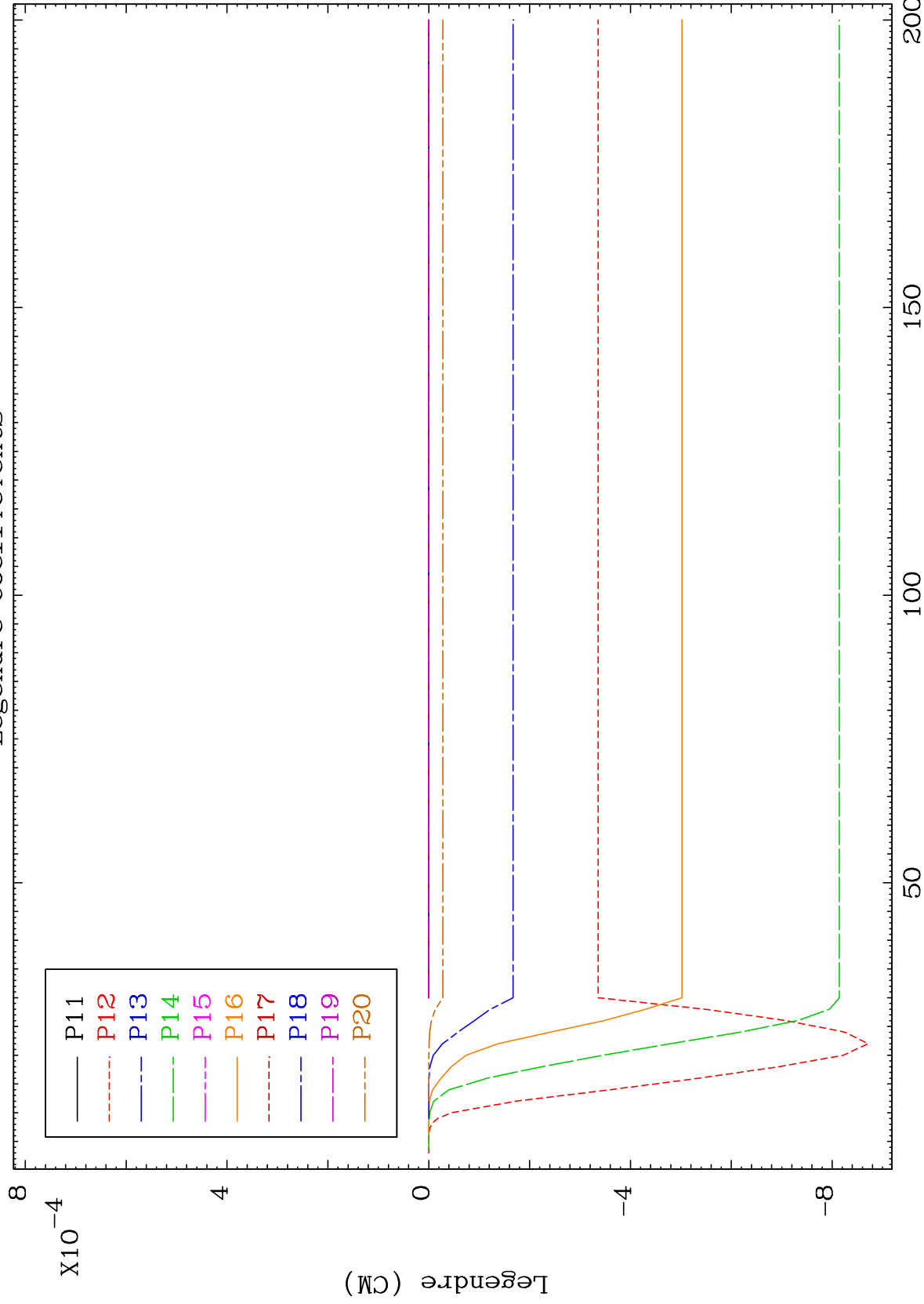
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

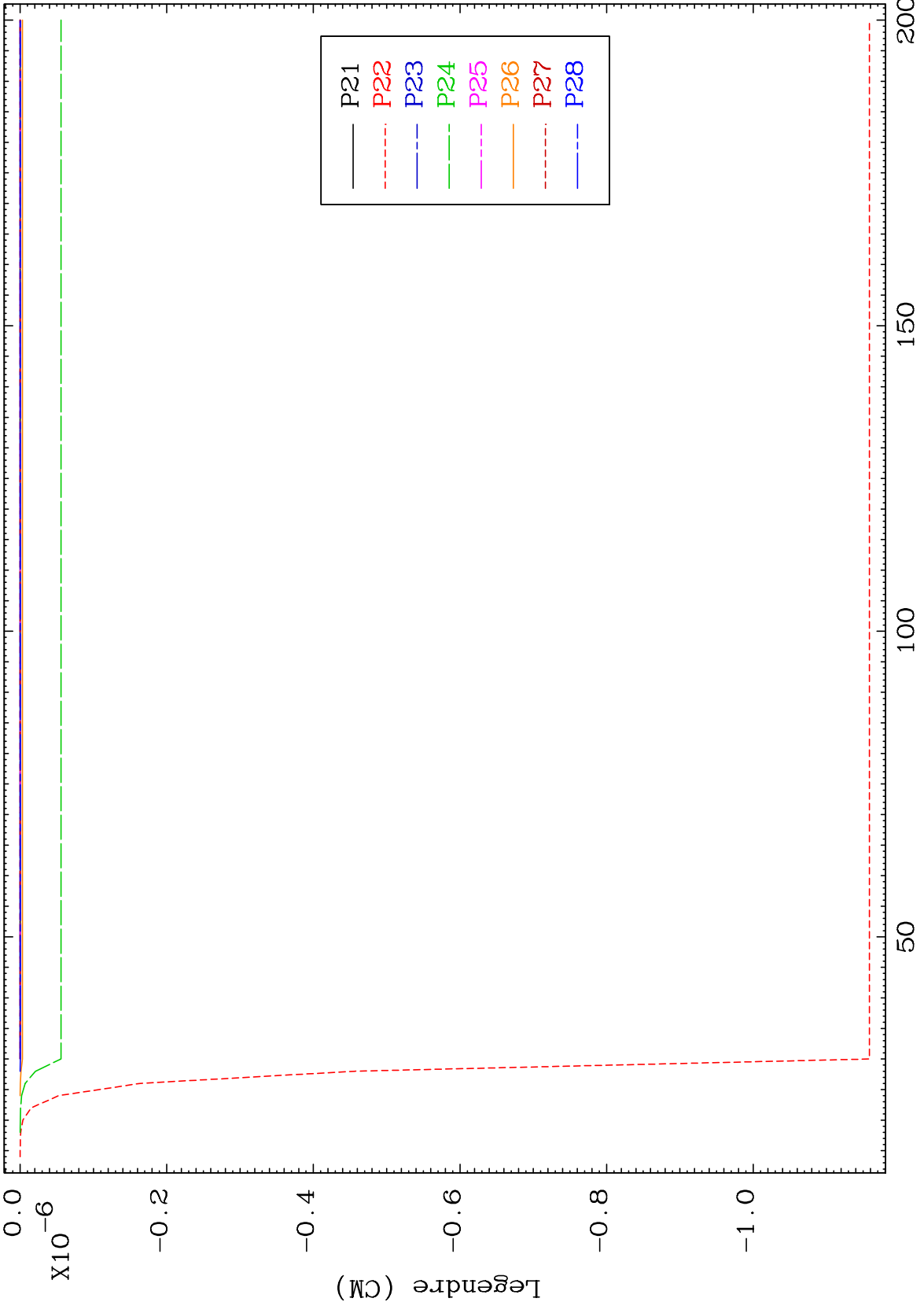


36

Incident Energy (MeV)

70-Yb-151

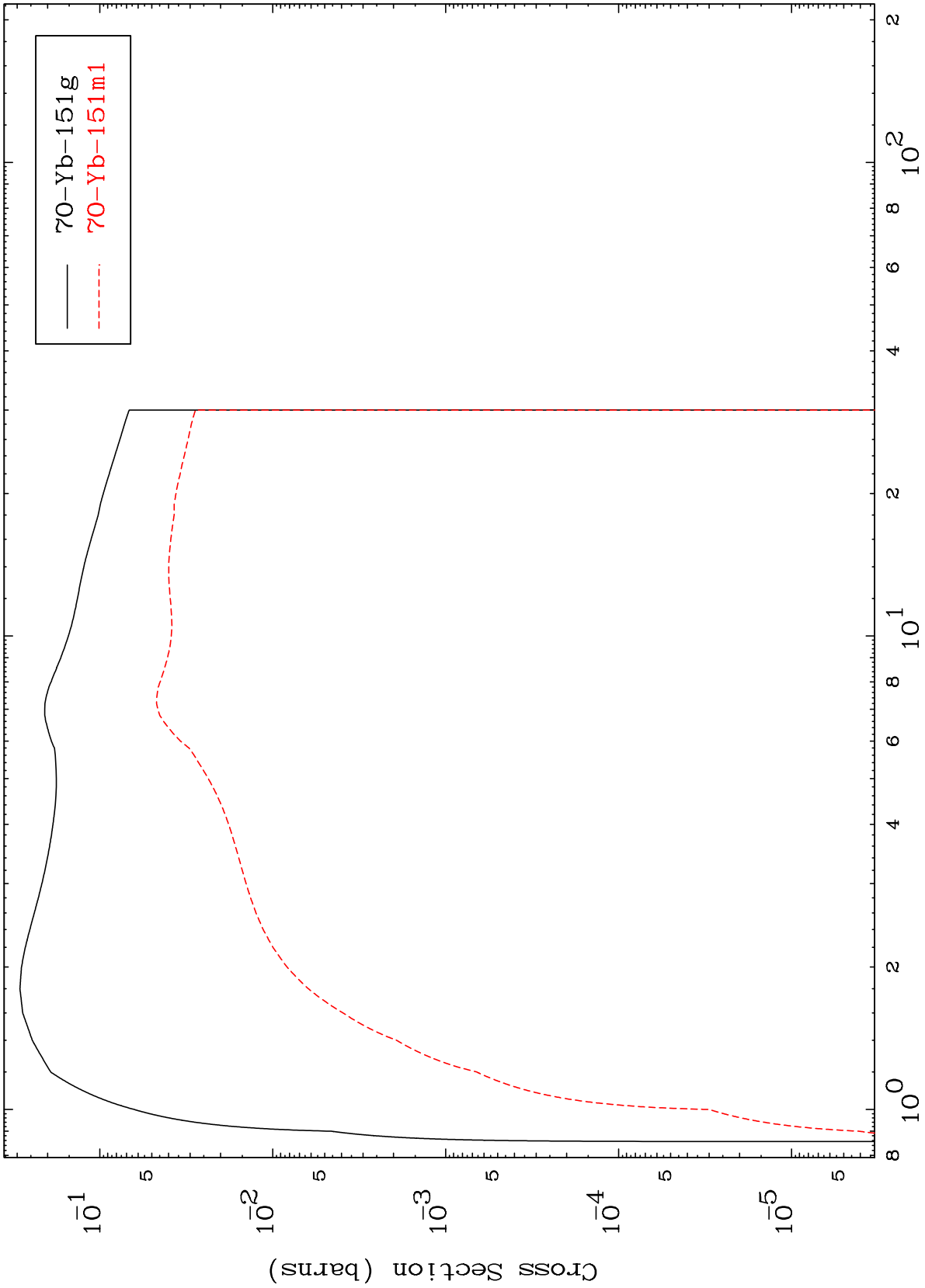
MAT 6974 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-151



MAT 6974

⁷⁰Yb-151

Inelastic
Radionuclide Production Cross Section



38

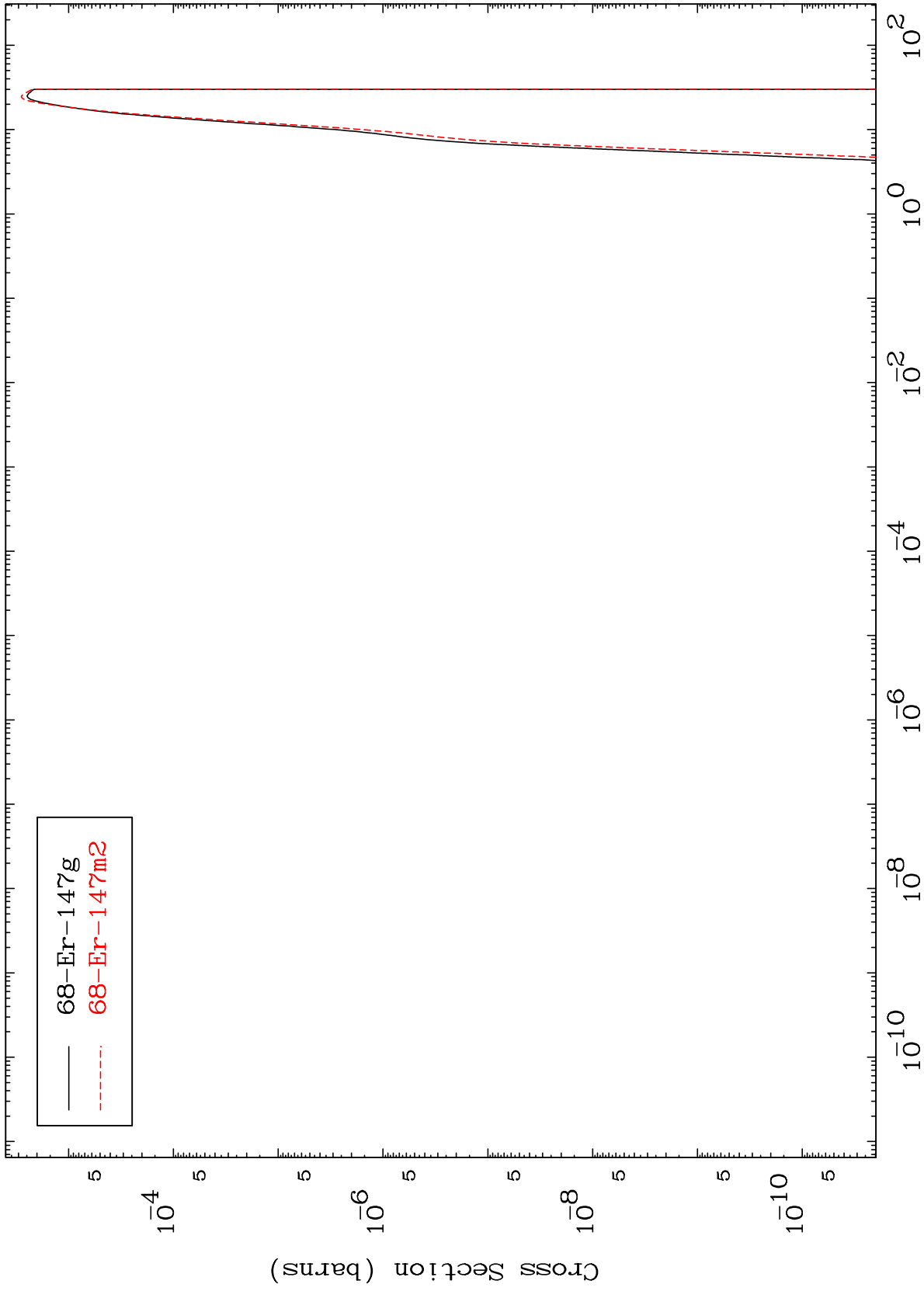
⁷⁰Yb-151

MAT 6974

(n,n') α

70-Yb-151

Radionuclide Production Cross Section



39

Incident Energy (MeV)

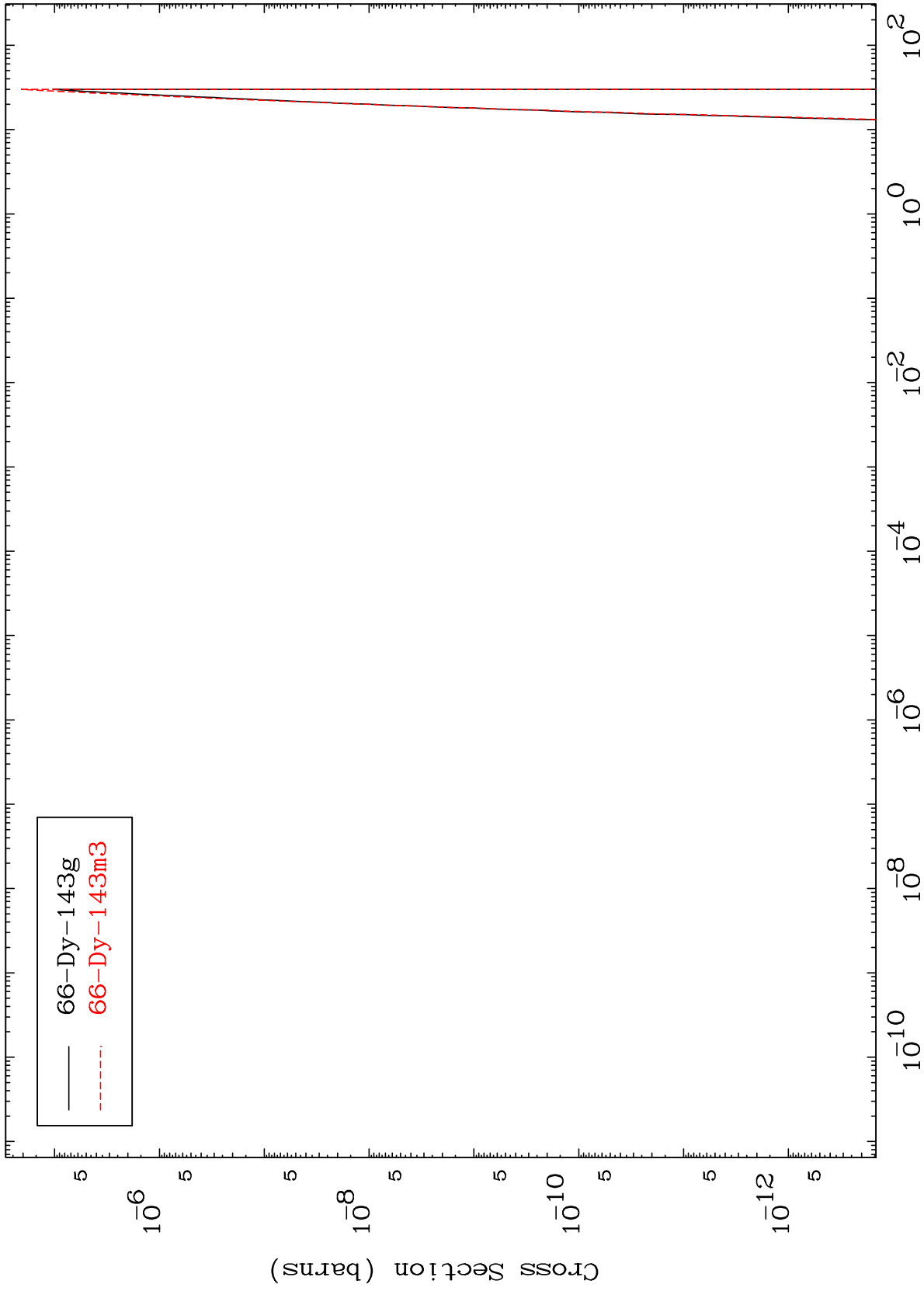
70-Yb-151

MAT 6974

(n,n') 2 α

70-Yb-151

Radionuclide Production Cross Section



40

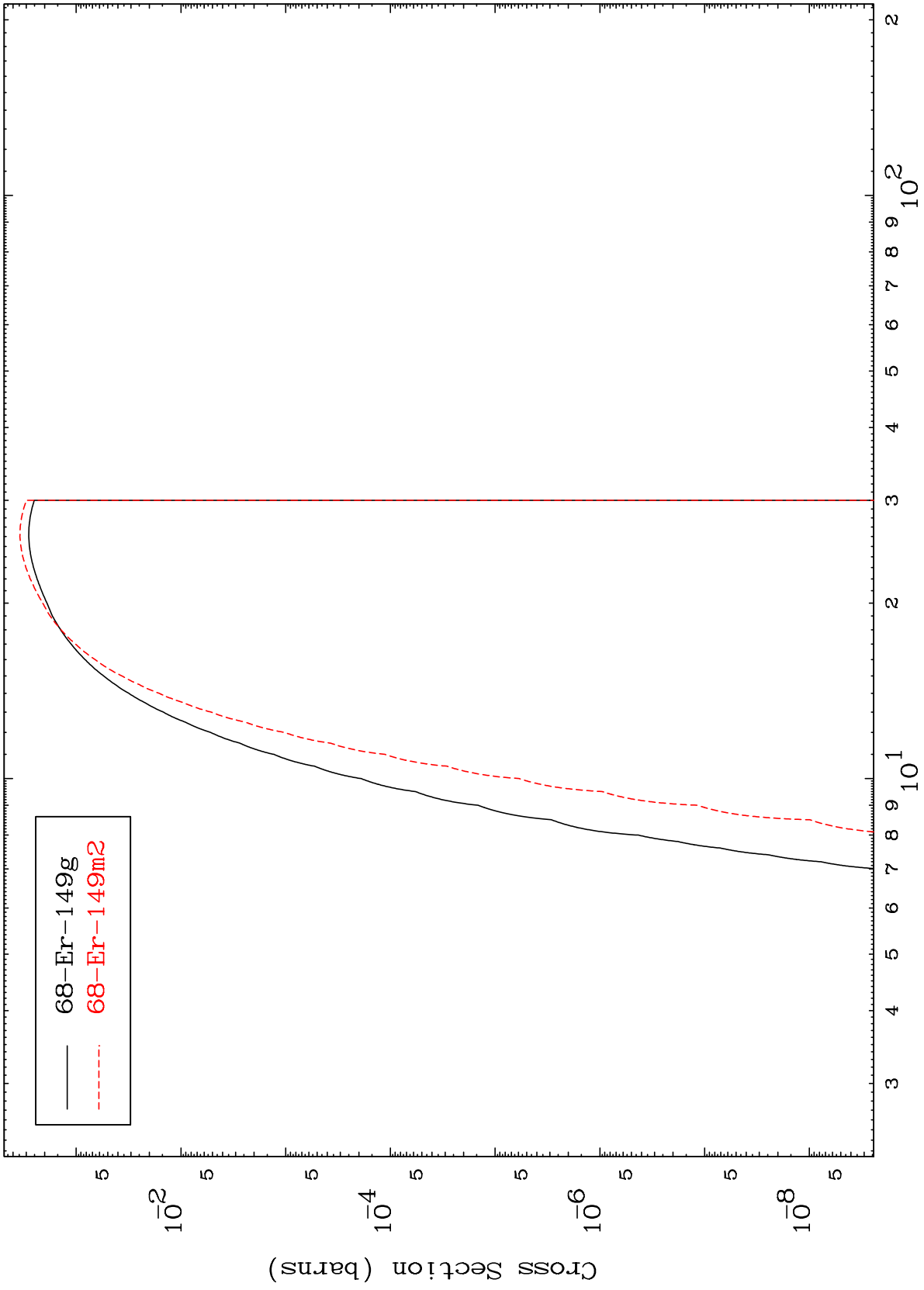
Incident Energy (MeV)

70-Yb-151

MAT 6974

70-Yb-151

(n,2n) p
Radionuclide Production Cross Section



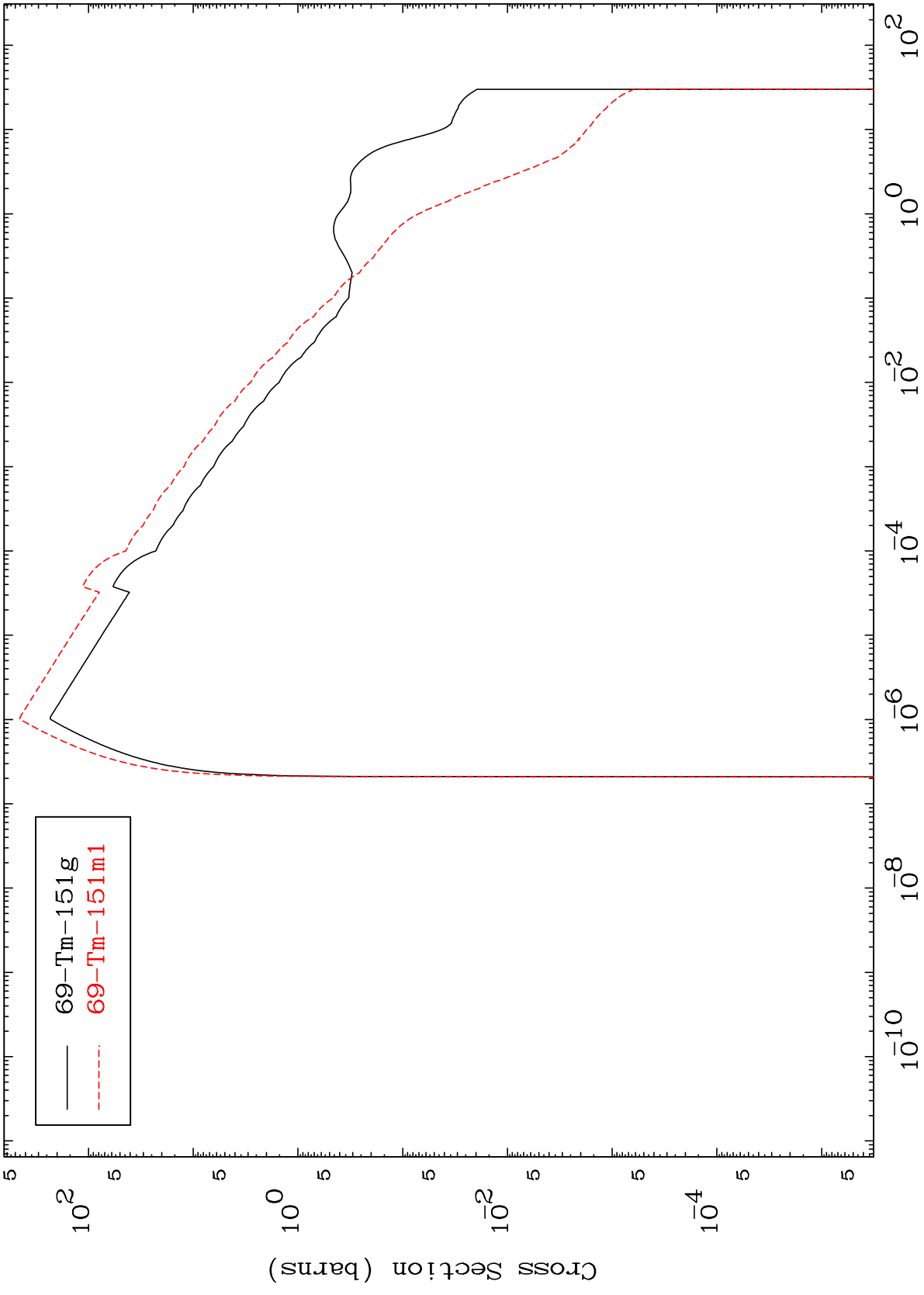
41

70-Yb-151

MAT 6974

70-Yb-151

Radionuclide Production Cross Section (n,p)



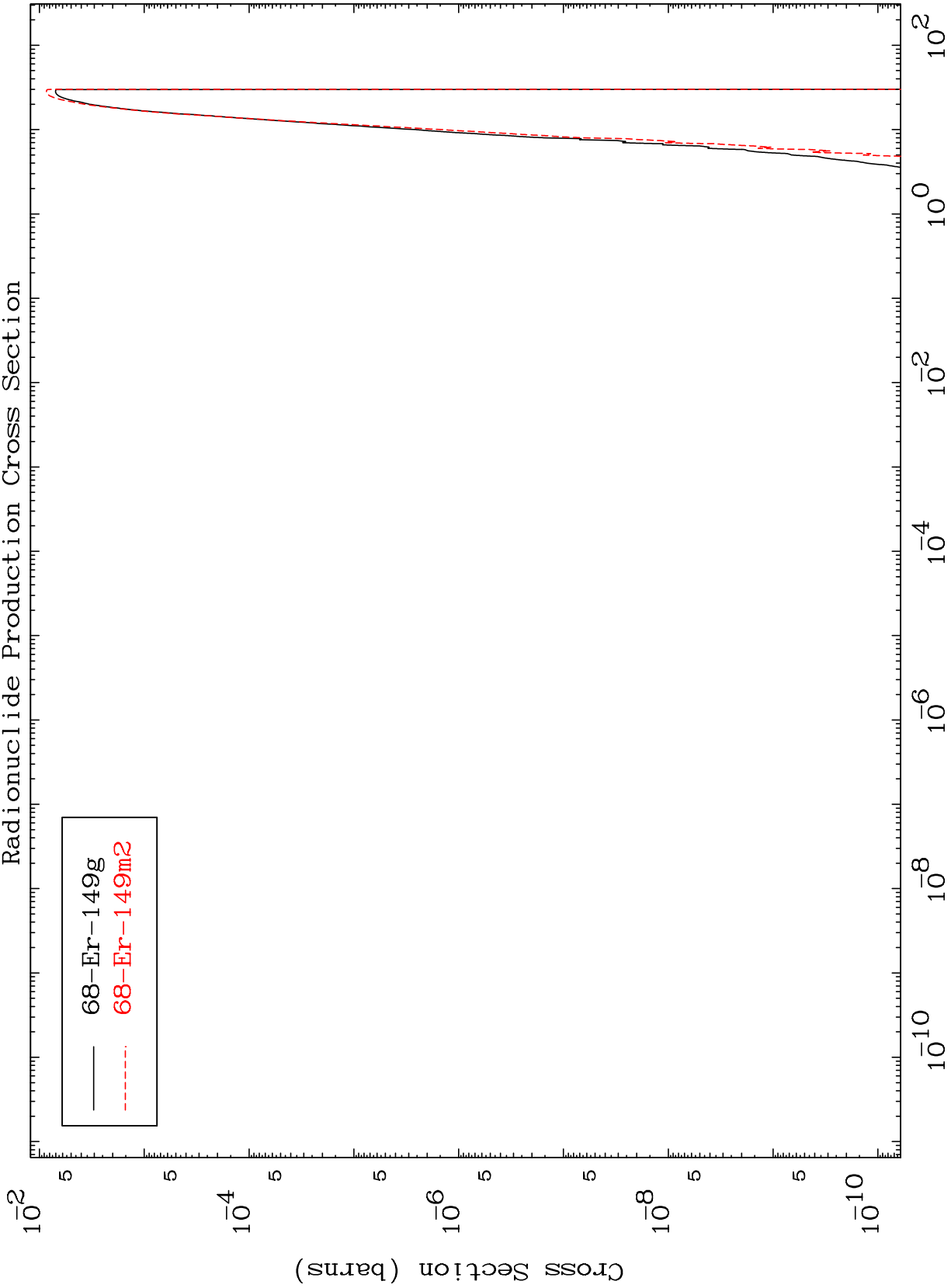
69-Tm-151g
69-Tm-151m1

MAT 6974

(n, He-3)

70-Yb-151

Radionuclide Production Cross Section



43

70-Yb-151

MAT 6974

(n,p) d

70-Yb-151

Radionuclide Production Cross Section

