

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

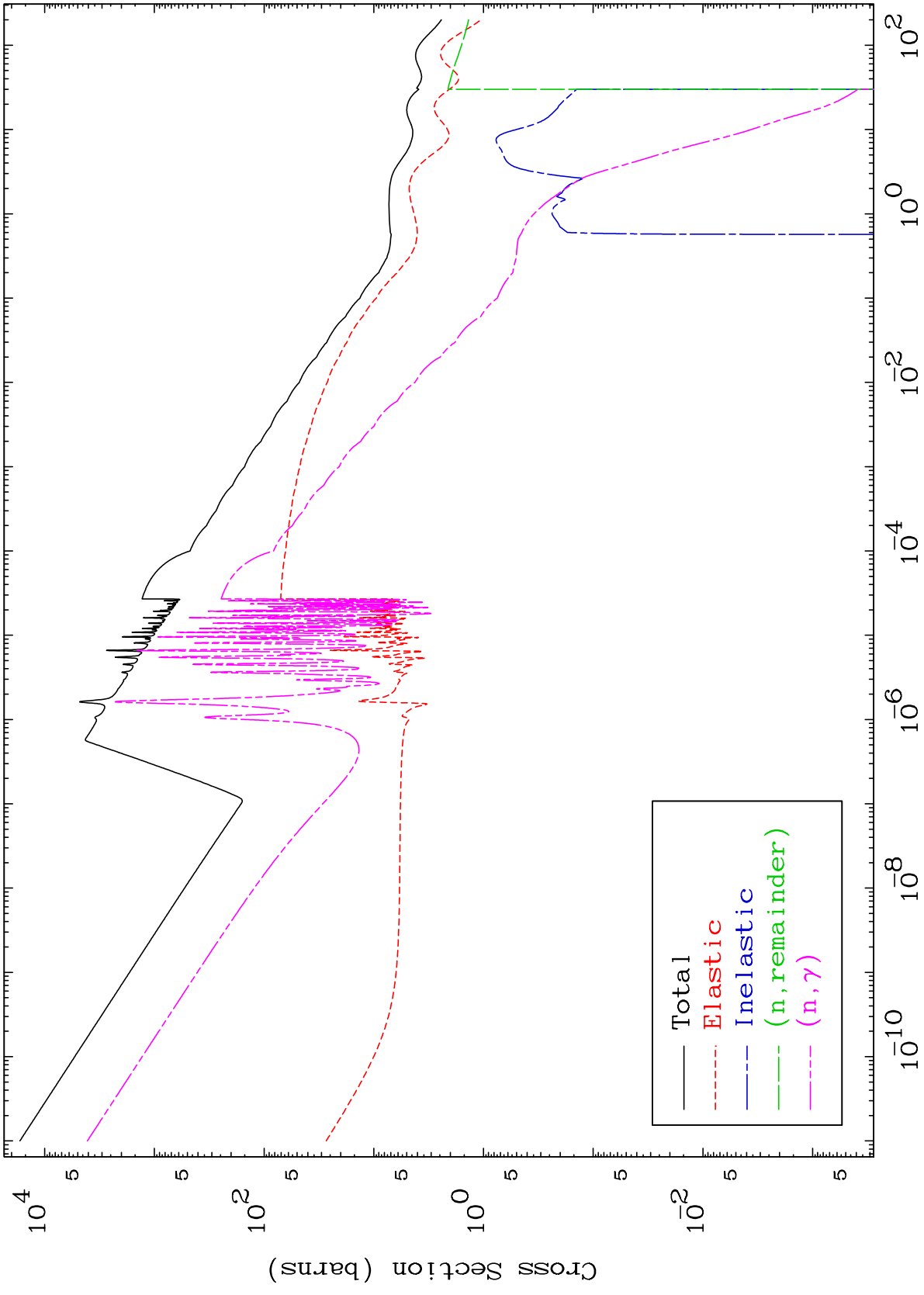
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6980

Major  
293 Kelvin Cross Sections

70-Yb-153

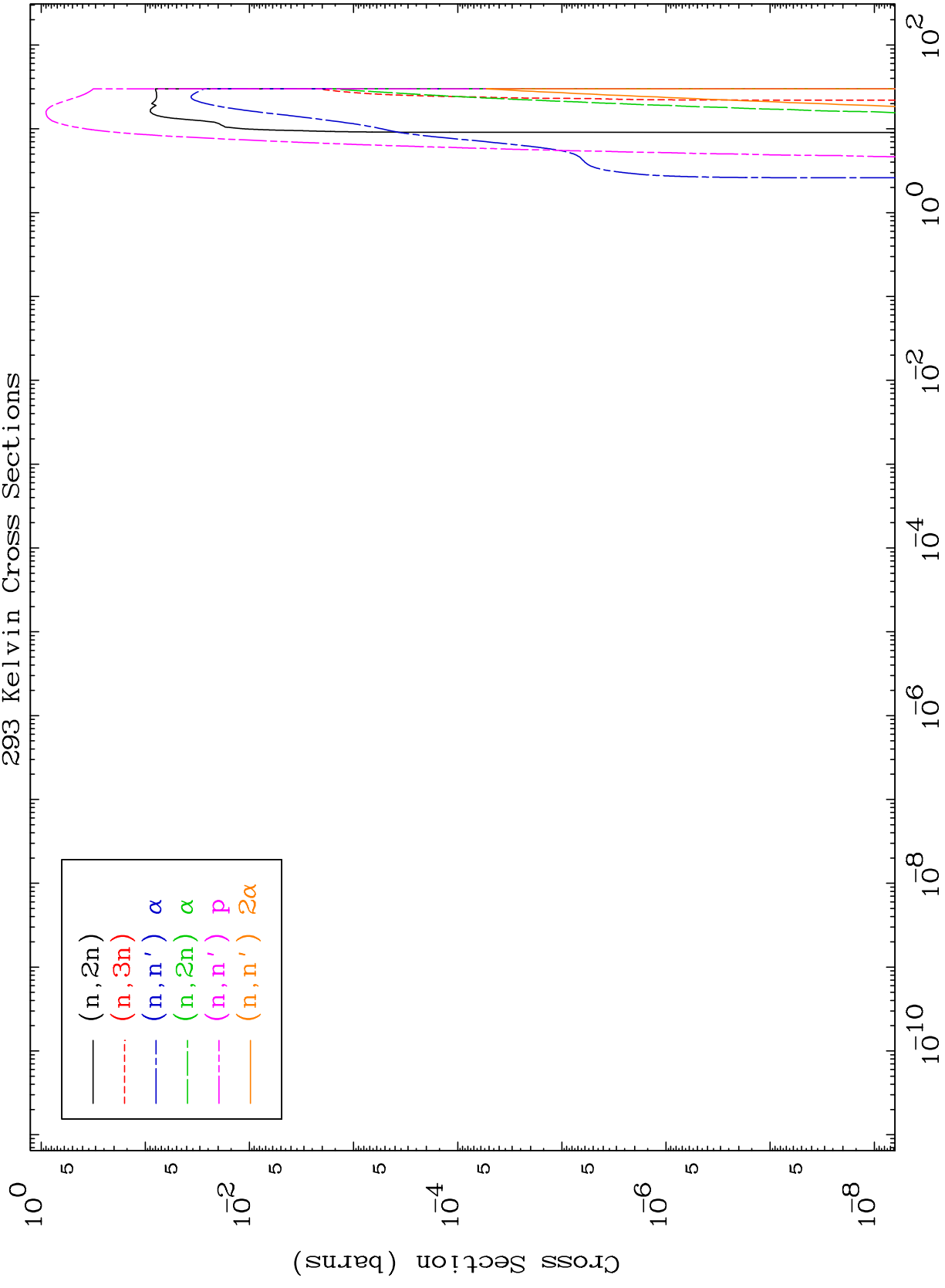


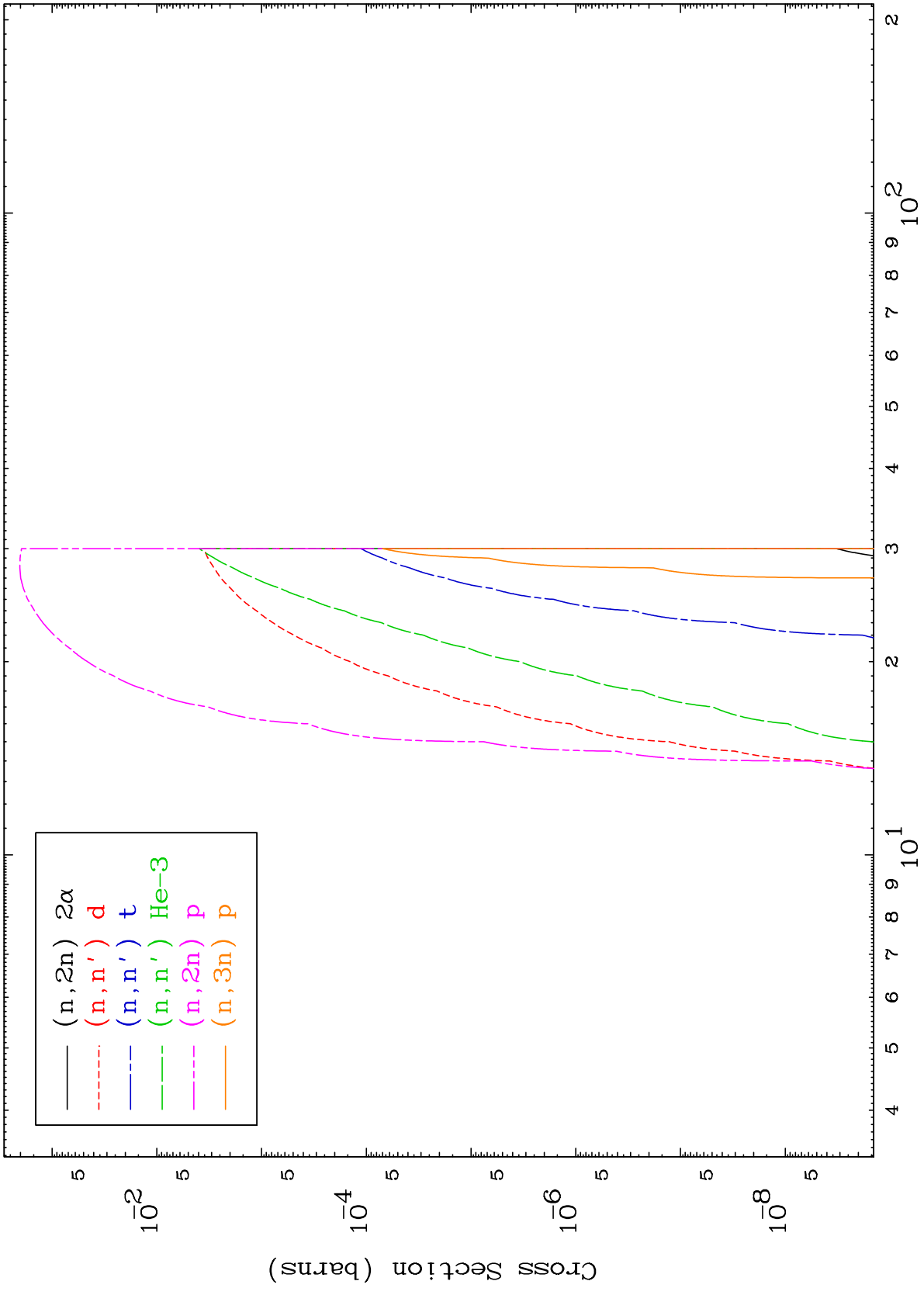
70-Yb-153

MAT 6980

Neutron Production  
293 Kelvin Cross Sections

70-Yb-153

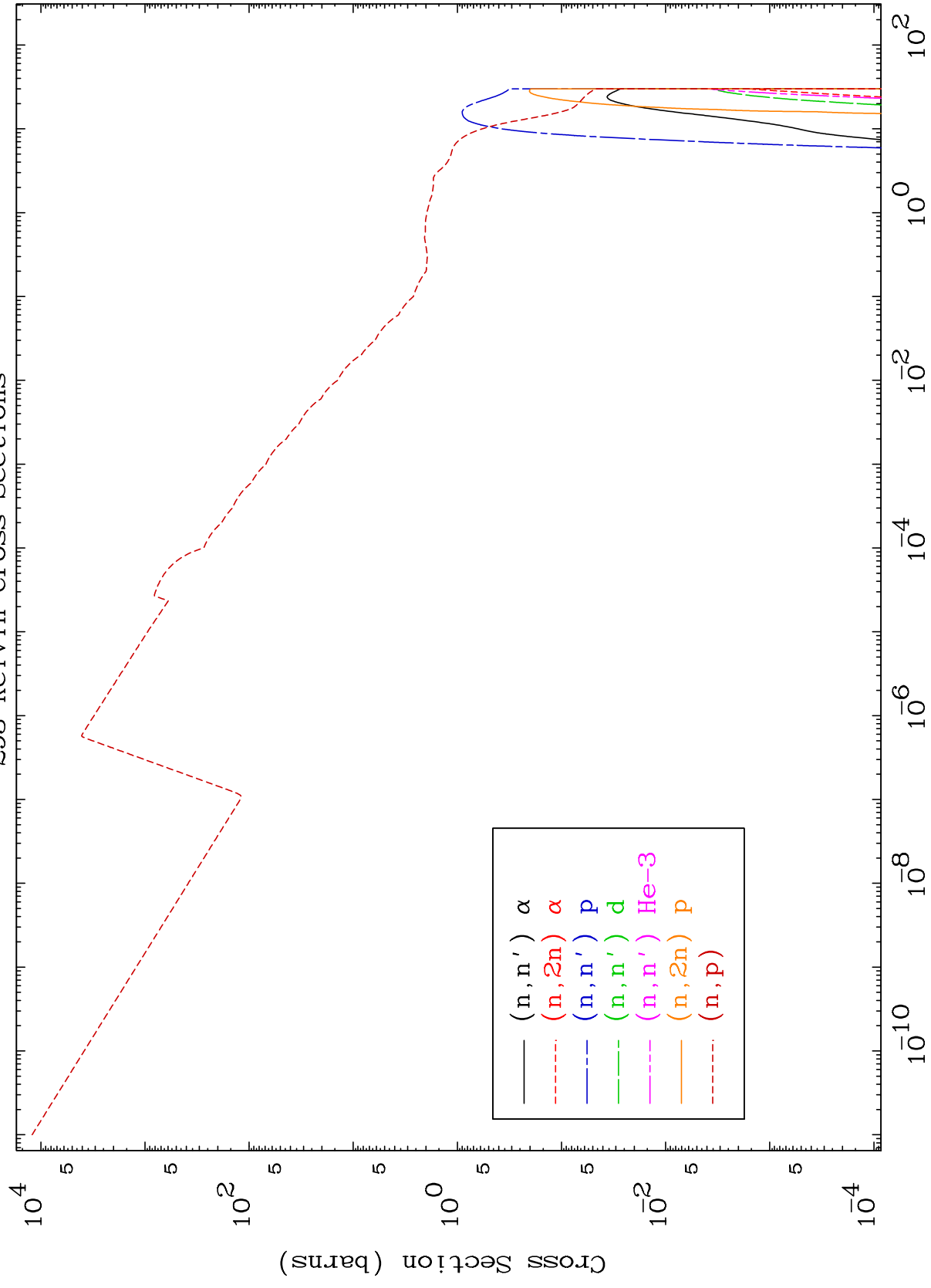




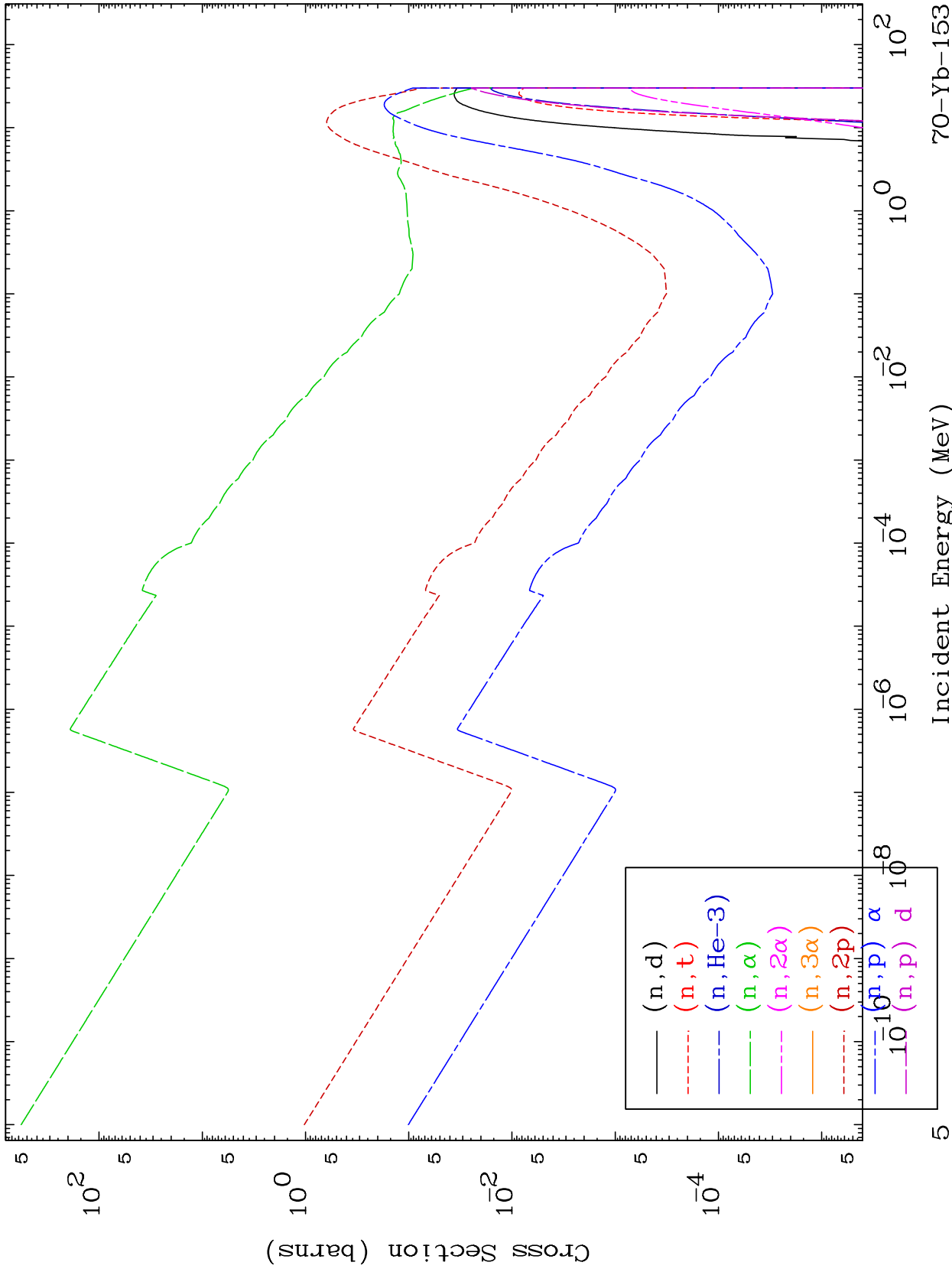
MAT 6980

Charged Particle  
293 Kelvin Cross Sections

70-Yb-153



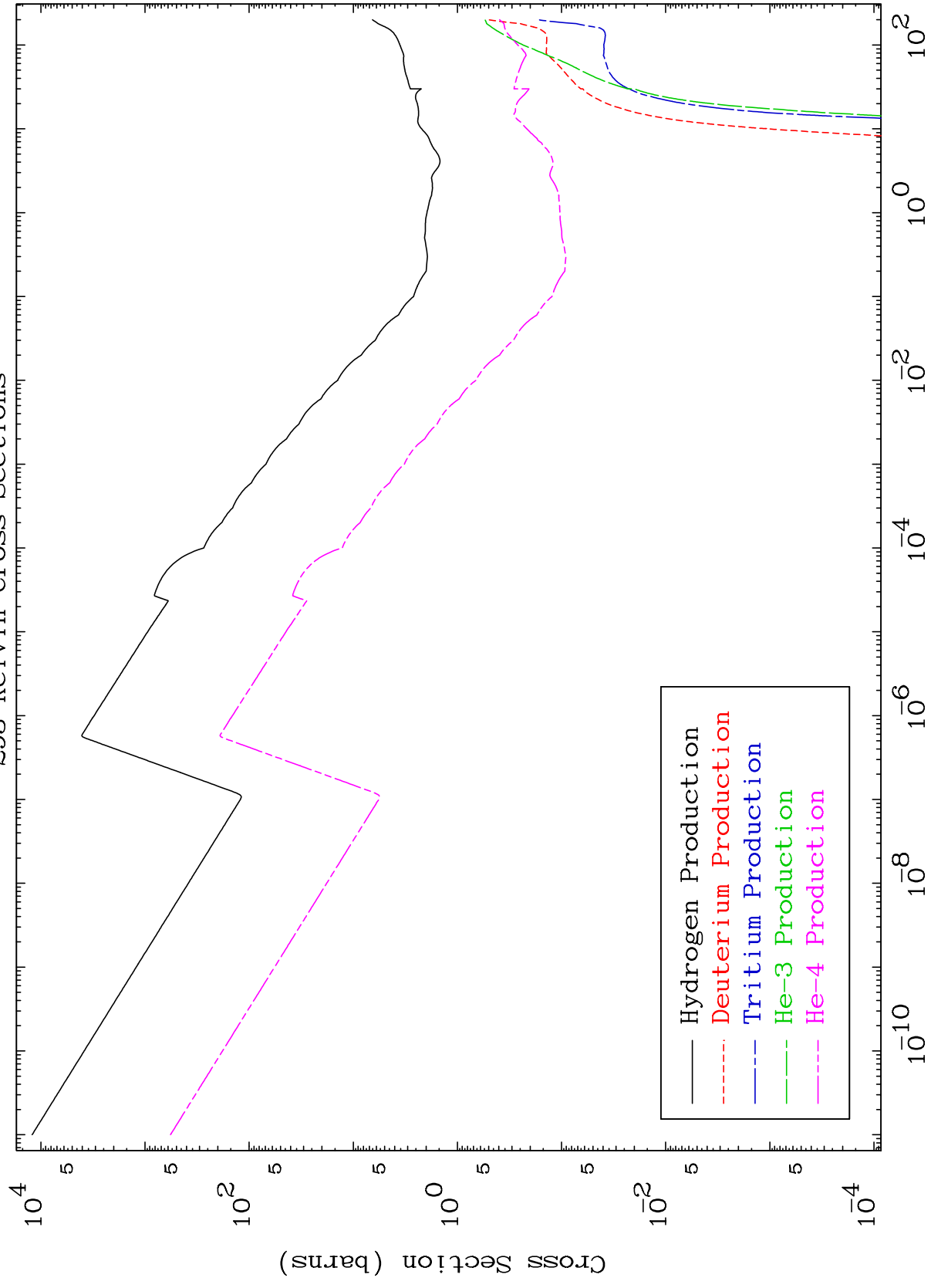
70-Yb-153



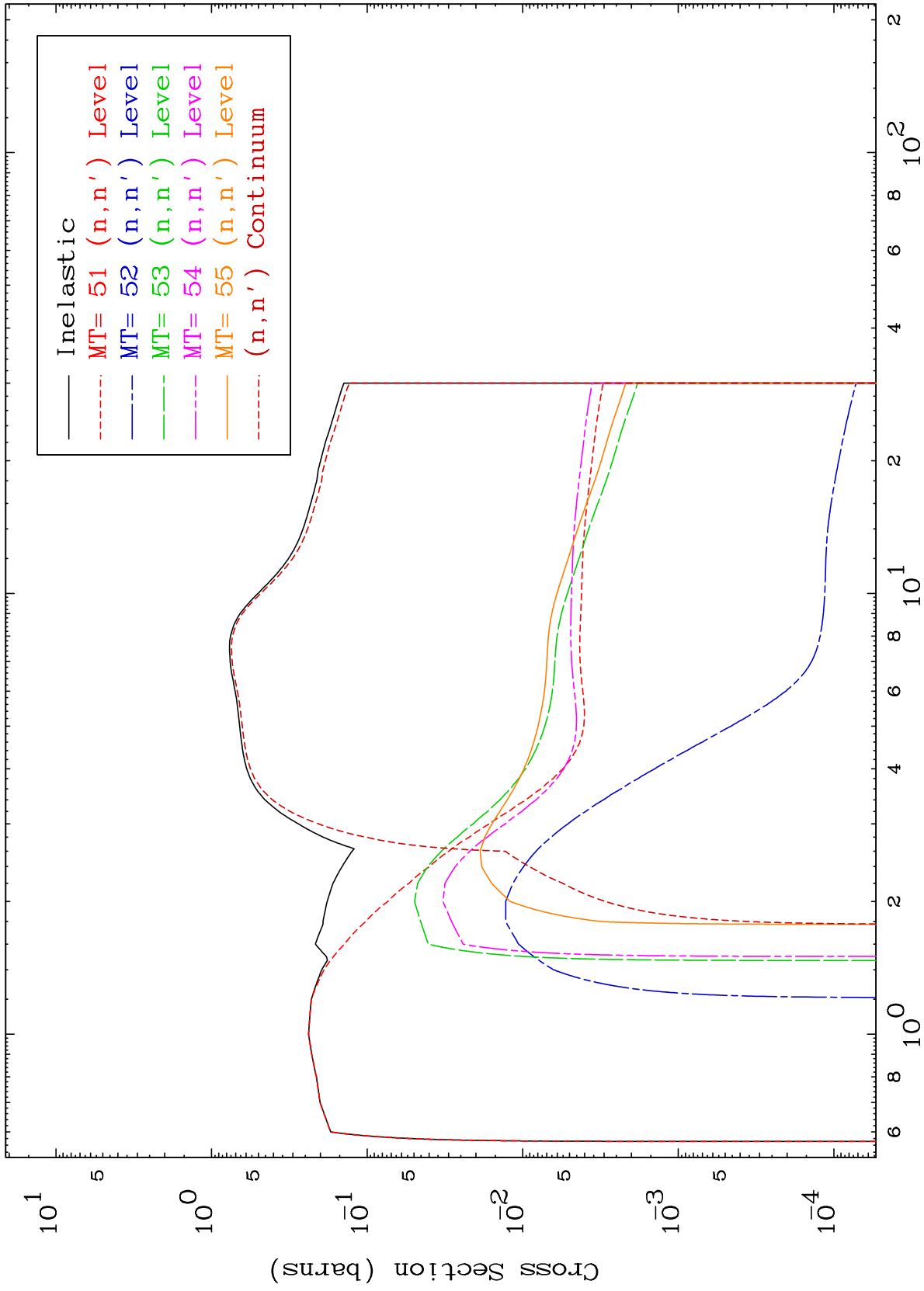
MAT 6980

Particle Production  
293 Kelvin Cross Sections

70-Yb-153



70-Yb-153

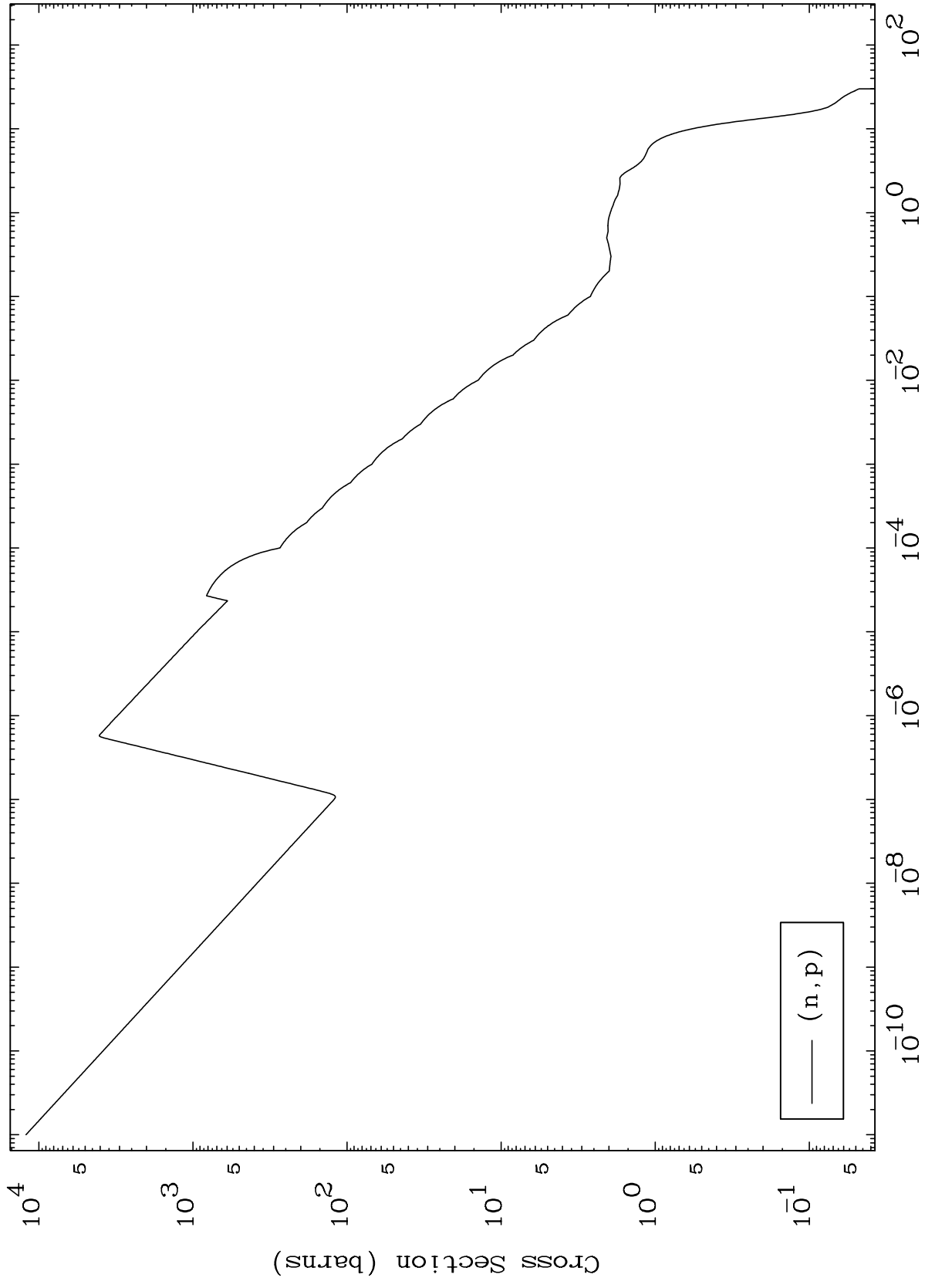




MAT 6980

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-153

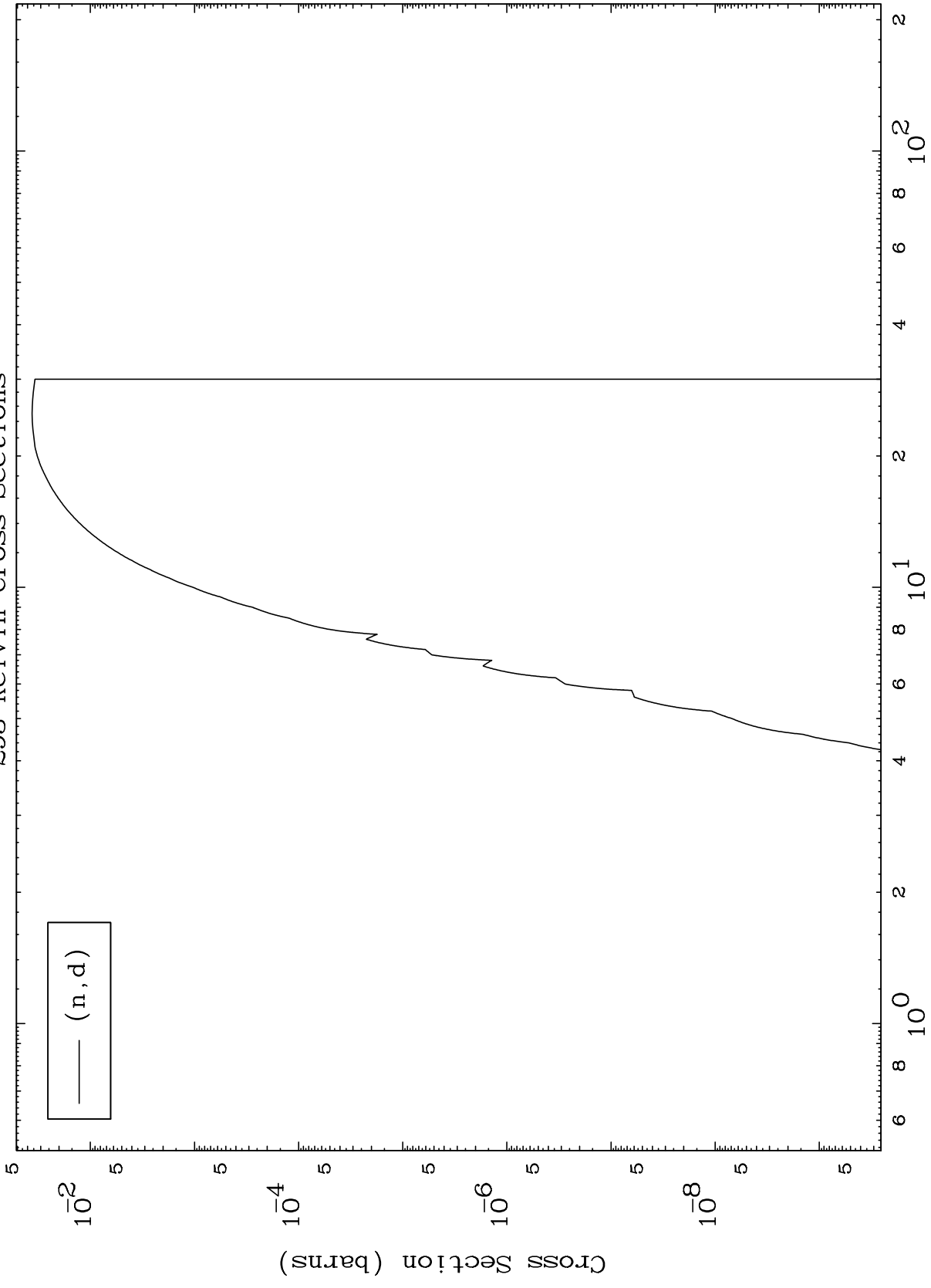


(n,p)

MAT 6980

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-153



9

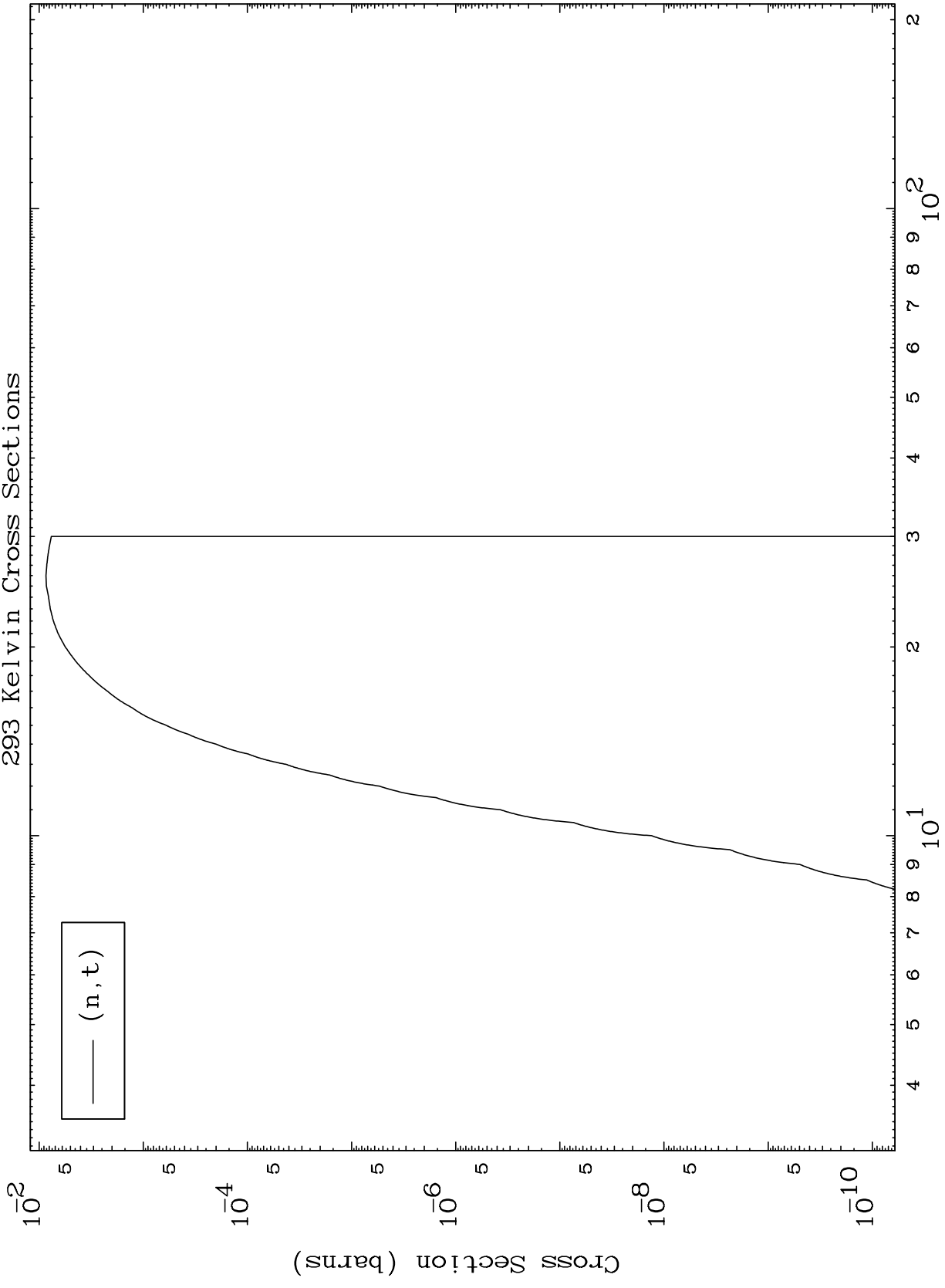
Incident Energy (MeV)

70-Yb-153

MAT 6980

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-153



10

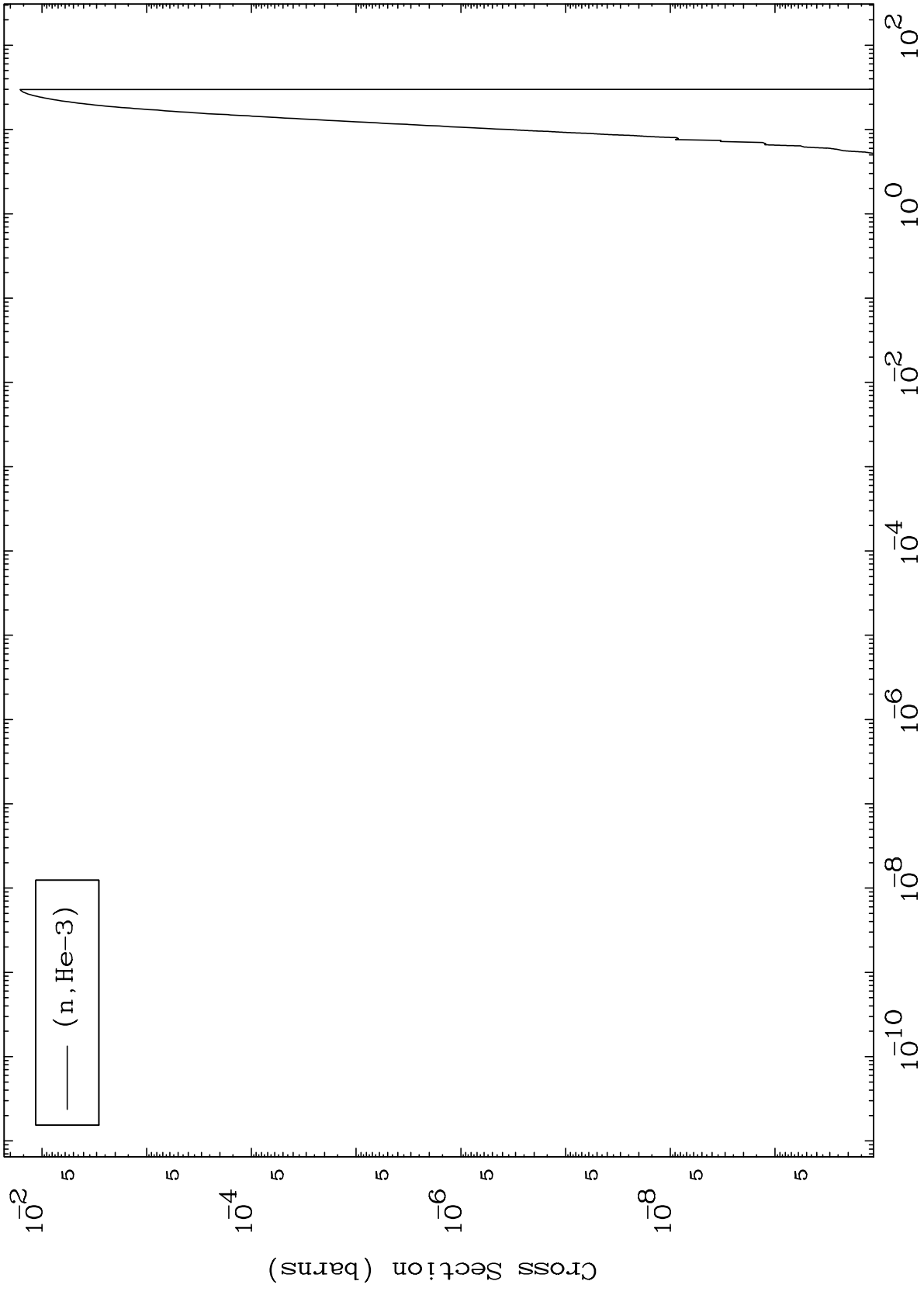
Incident Energy (MeV)

70-Yb-153

MAT 6980

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-153

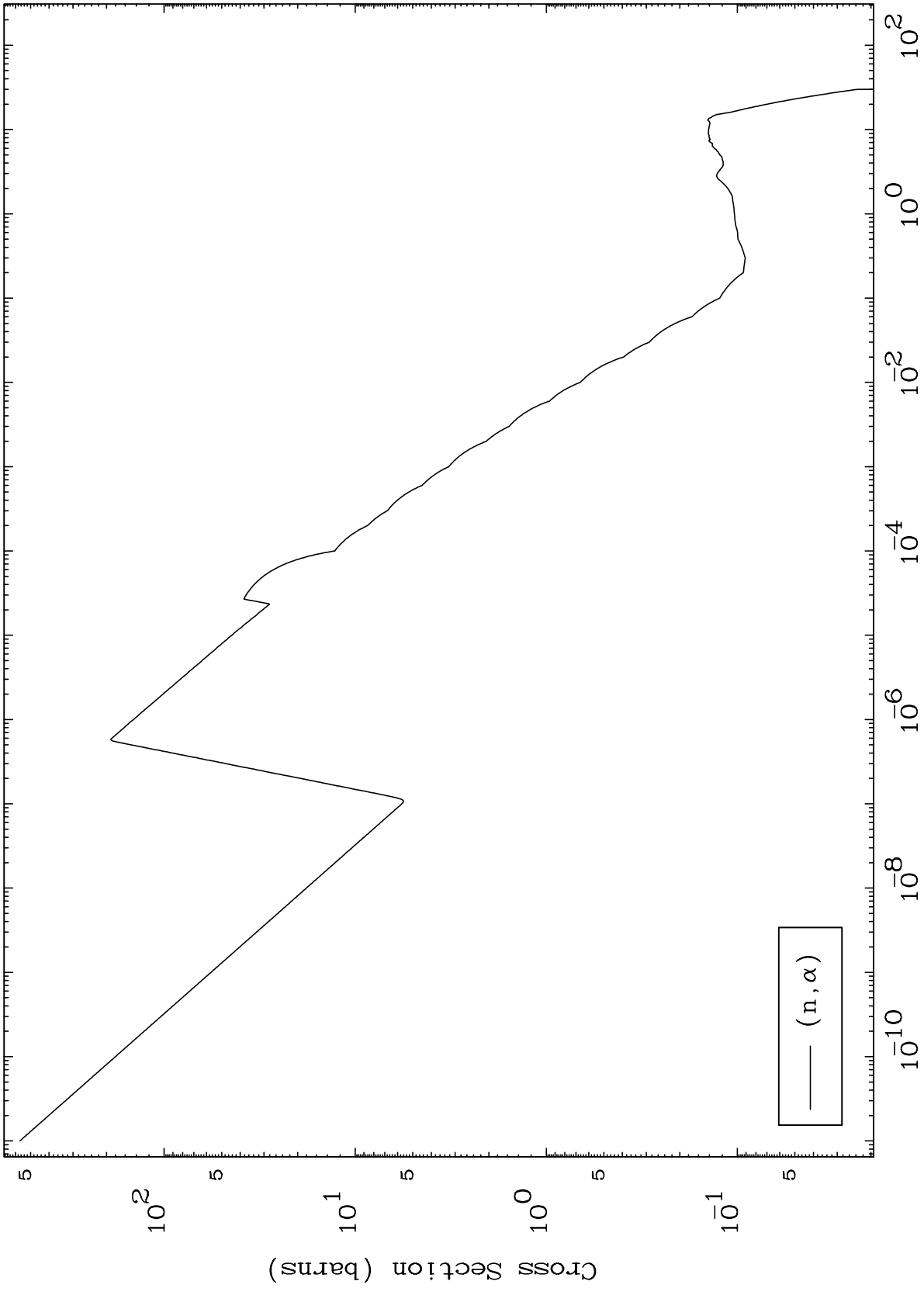


(n, He-3)

MAT 6980

(n,α) Levels  
293 Kelvin Cross Sections

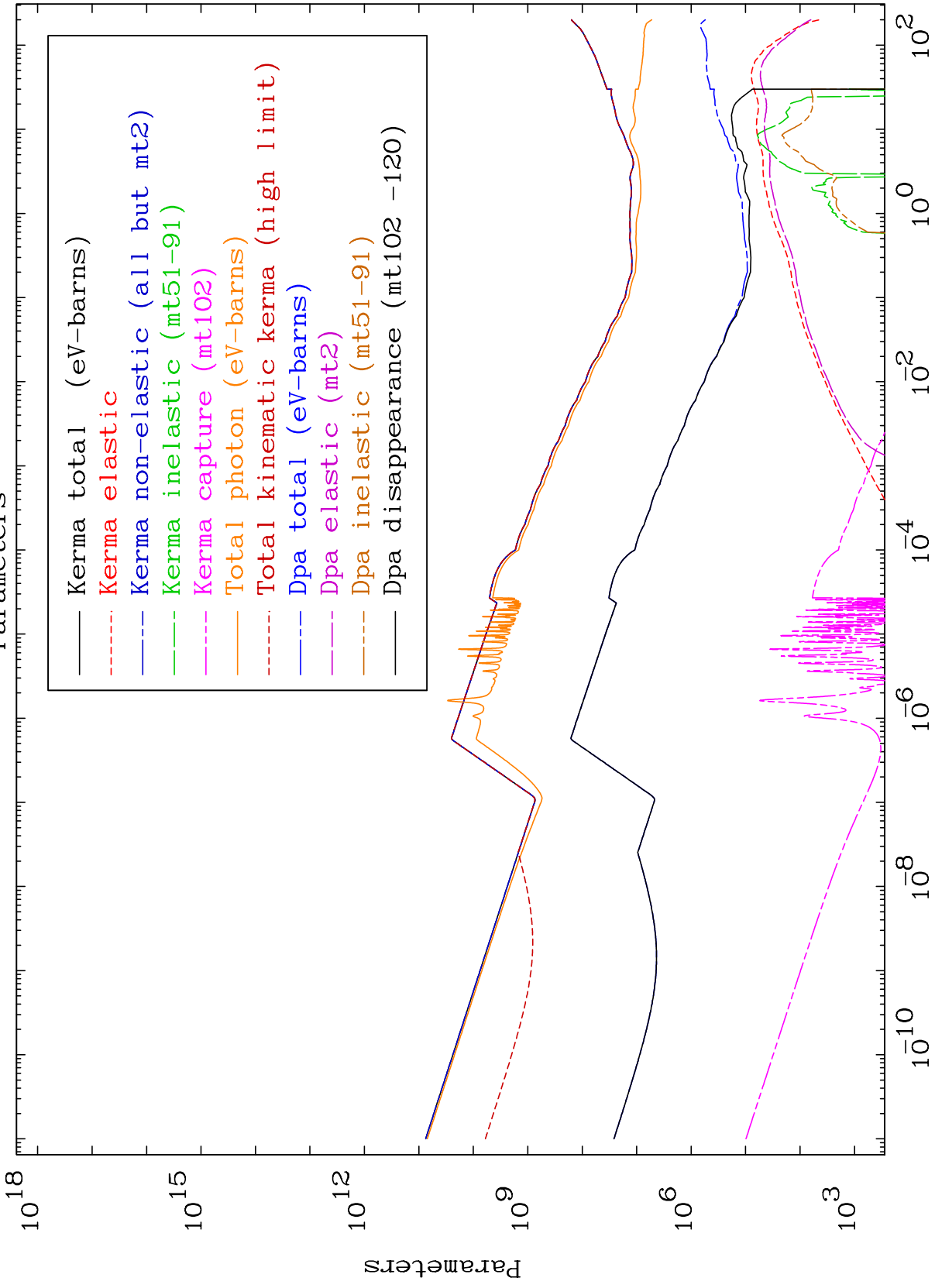
70-Yb-153

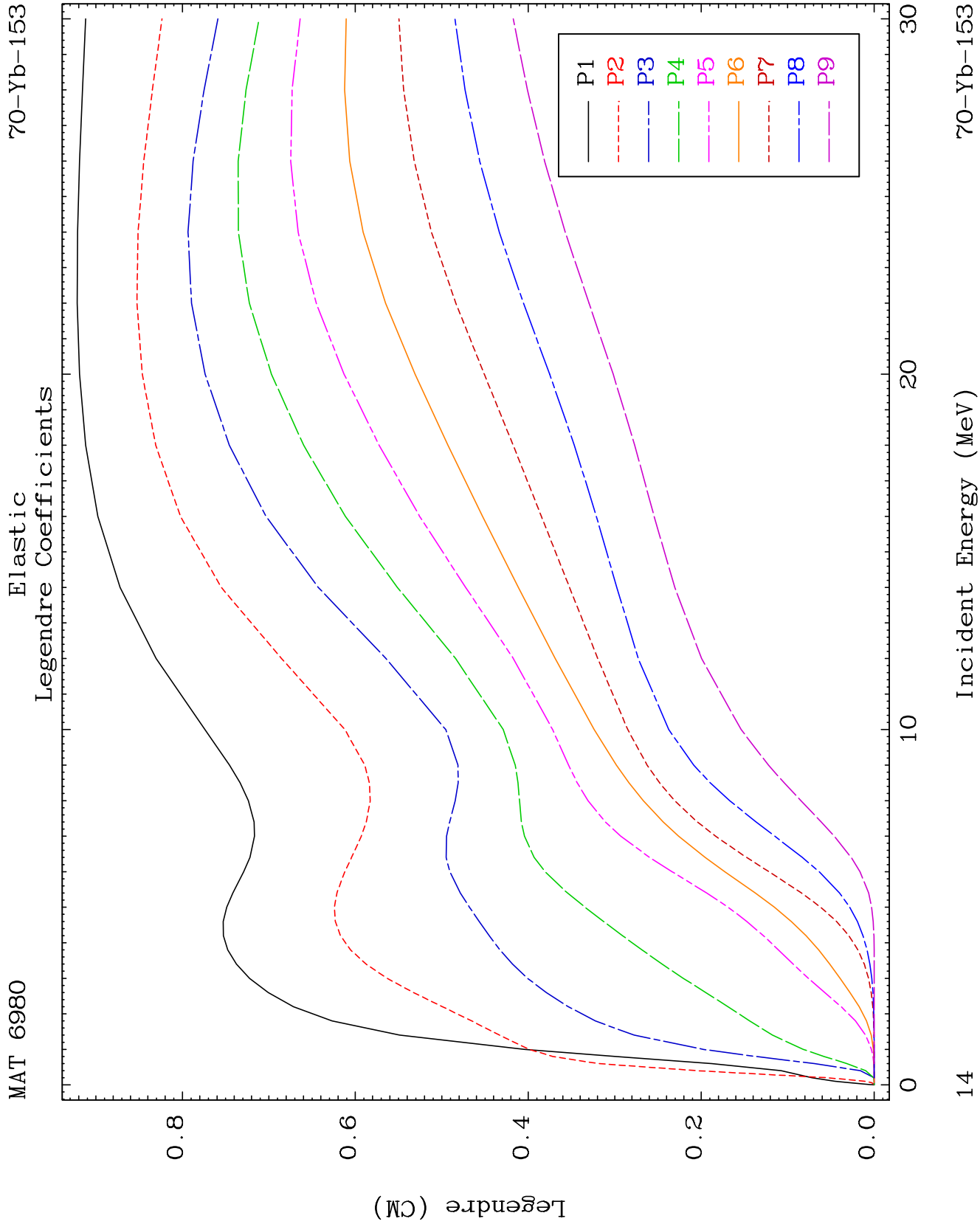


12

Incident Energy (MeV)

70-Yb-153

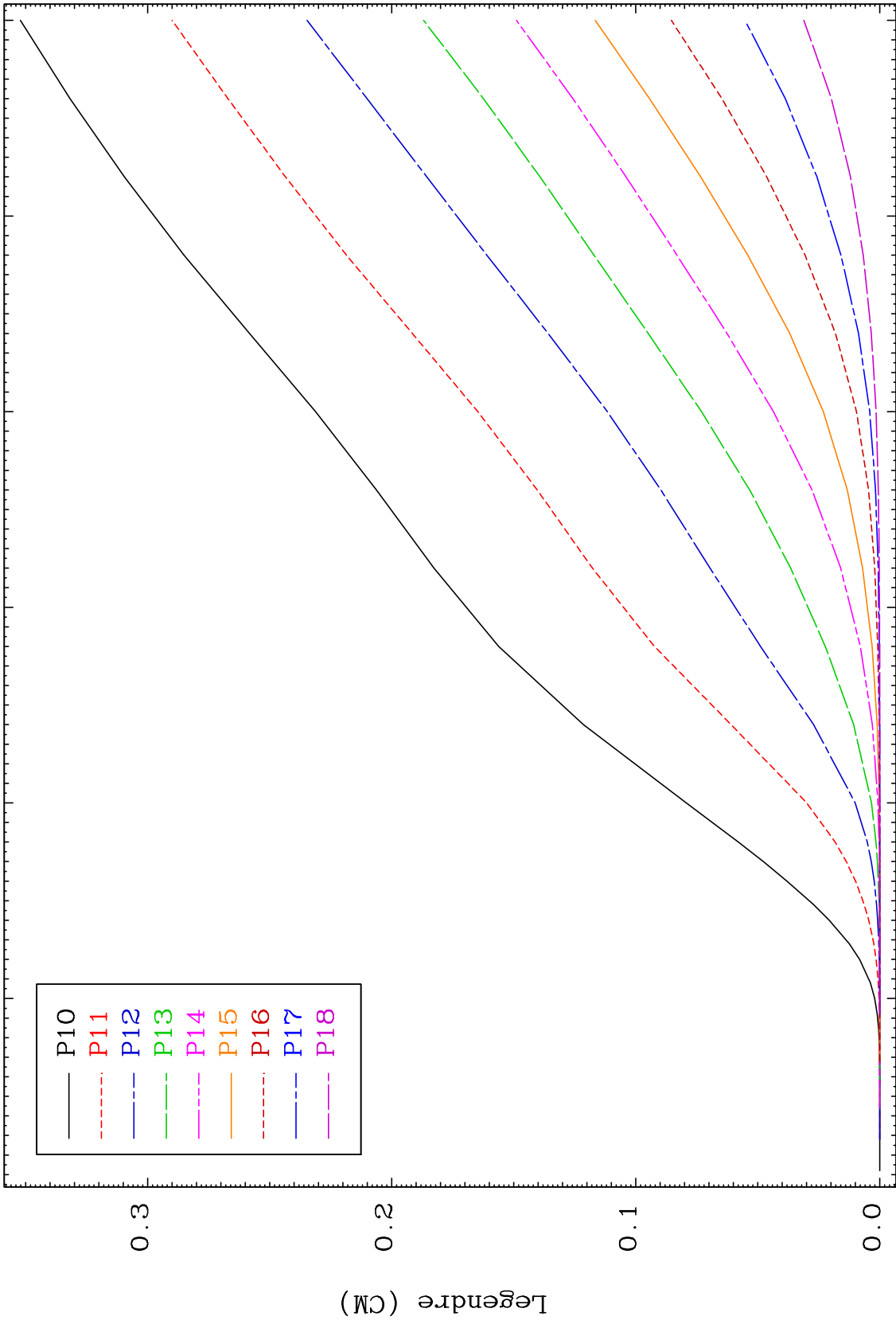




MAT 6980

Elastic Legendre Coefficients

70-Yb-153



15

Incident Energy (MeV)

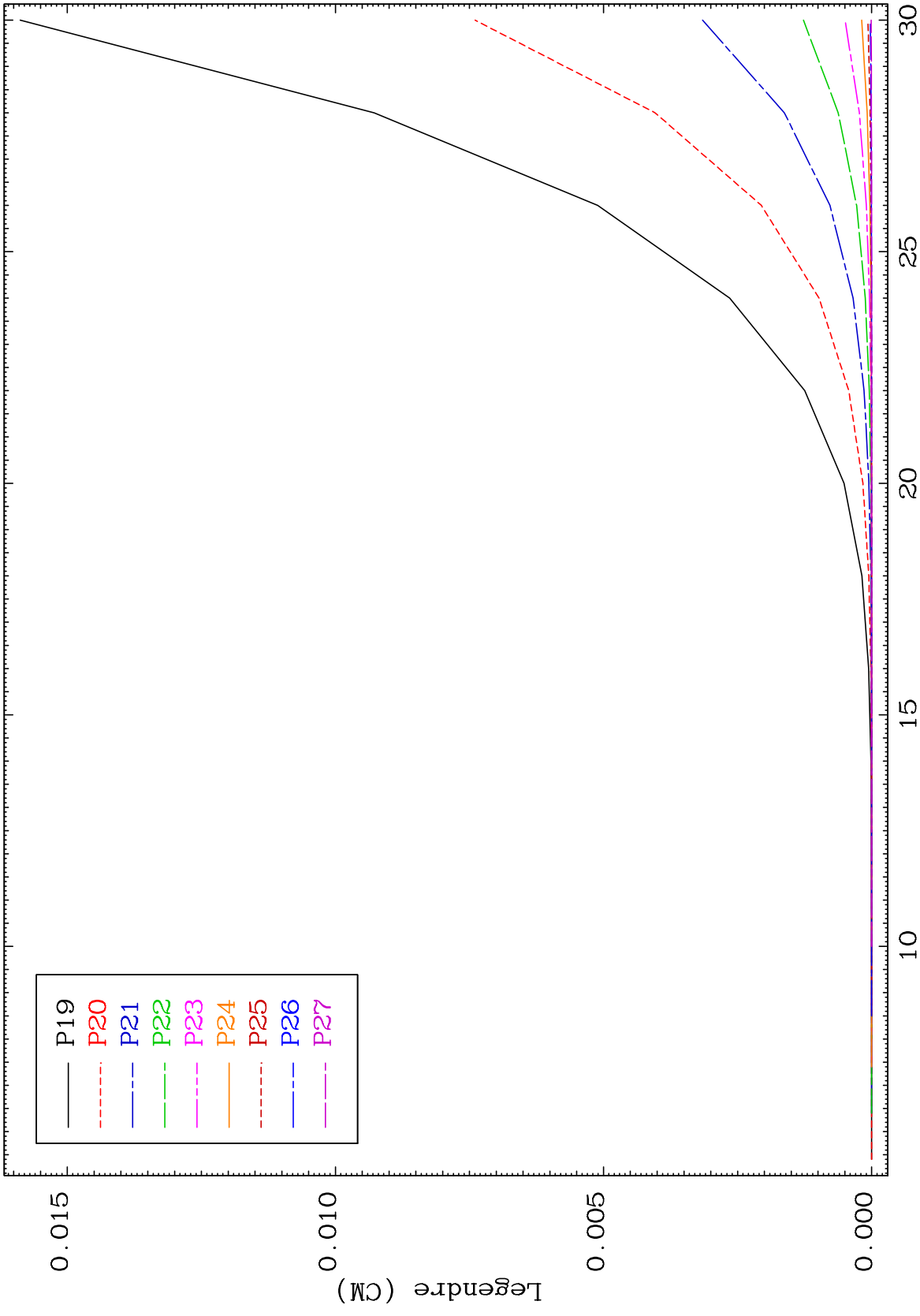
70-Yb-153



MAT 6980

Elastic Legendre Coefficients

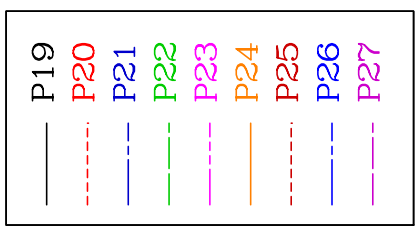
70-Yb-153



16

Incident Energy (MeV)

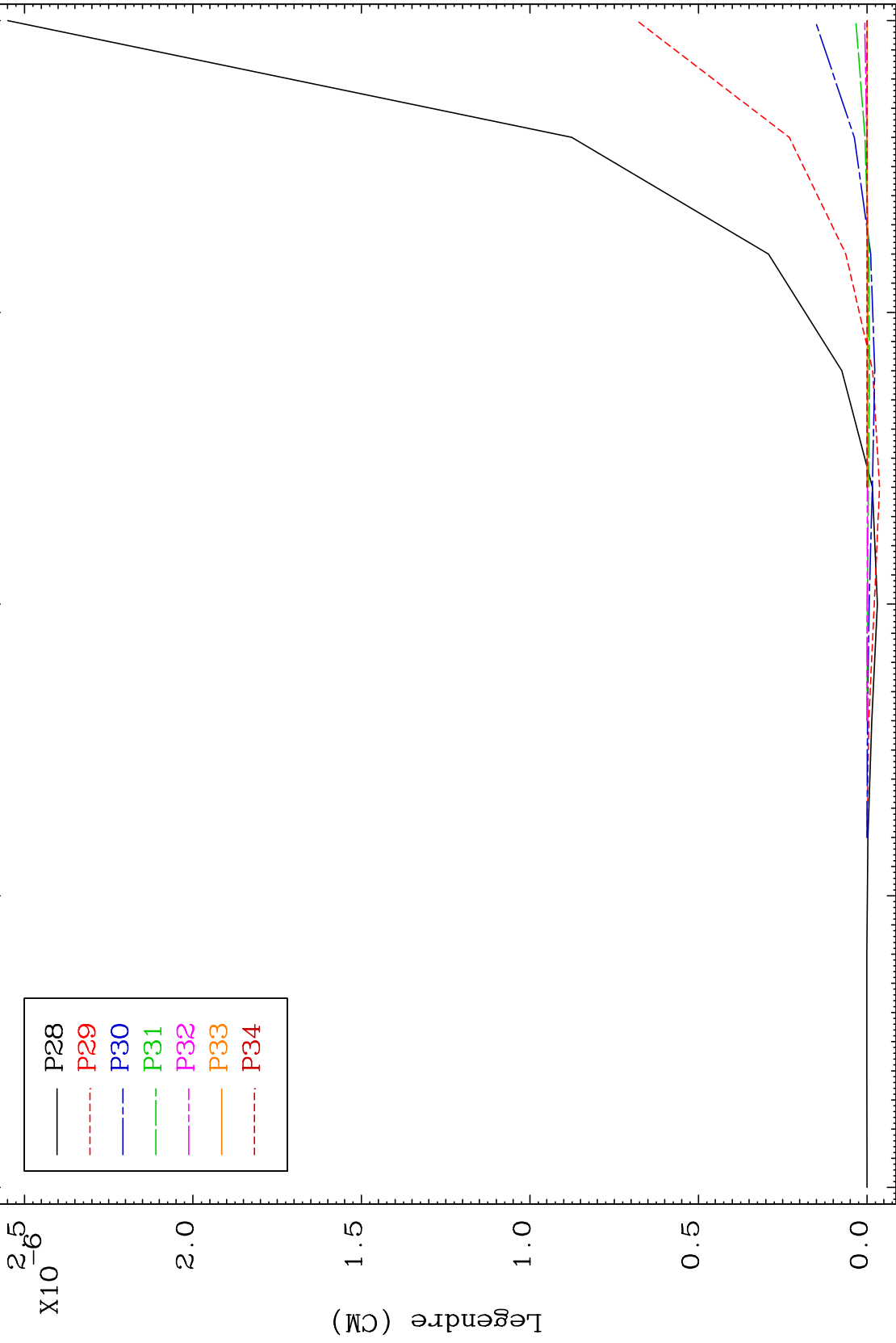
70-Yb-153



MAT 6980

Elastic Legendre Coefficients

70-Yb-153

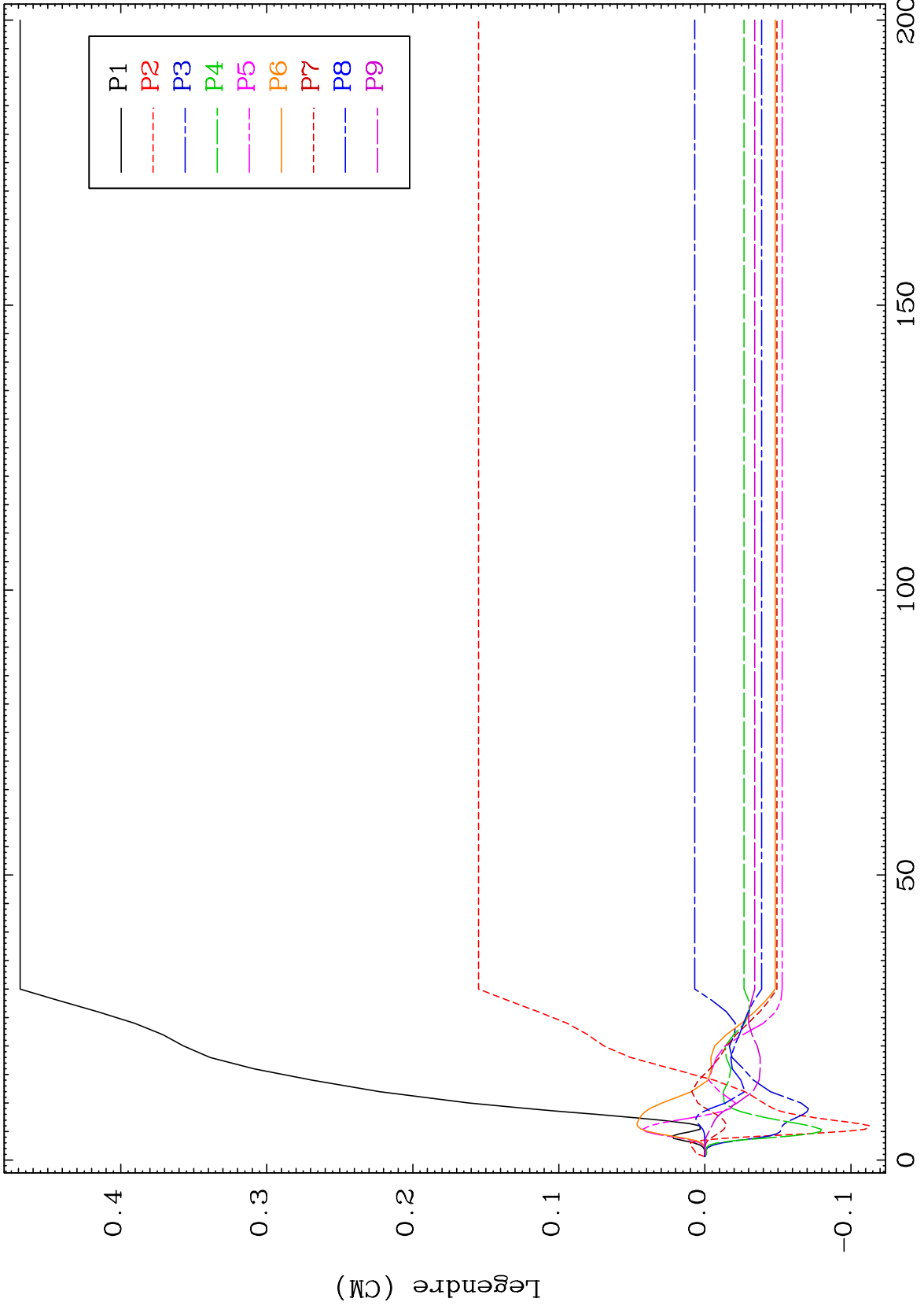


17

Incident Energy (MeV)

70-Yb-153

MAT 6980 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-153

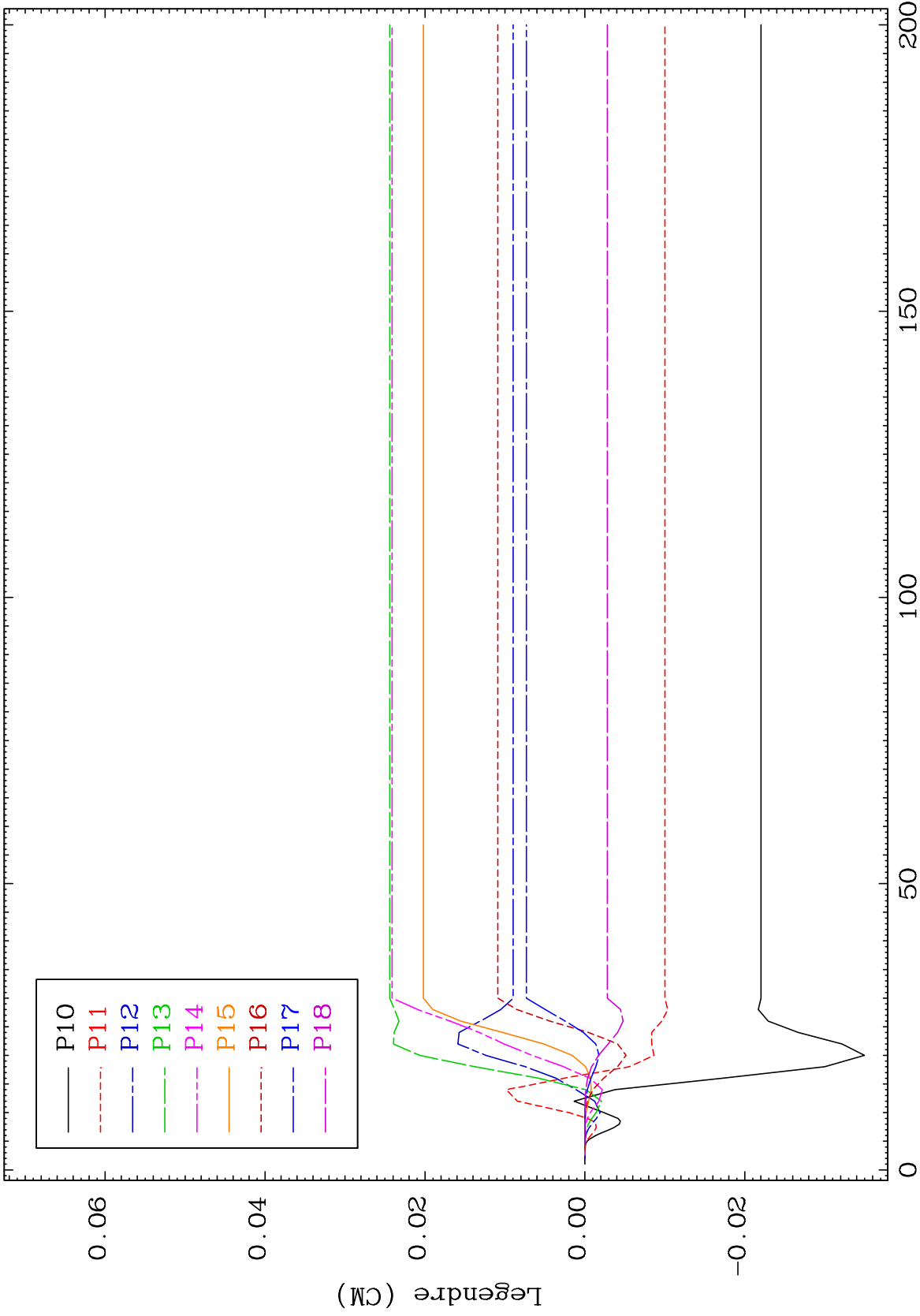


18 Incident Energy (MeV) 70-Yb-153

MAT 6980

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

70-Yb-153



19

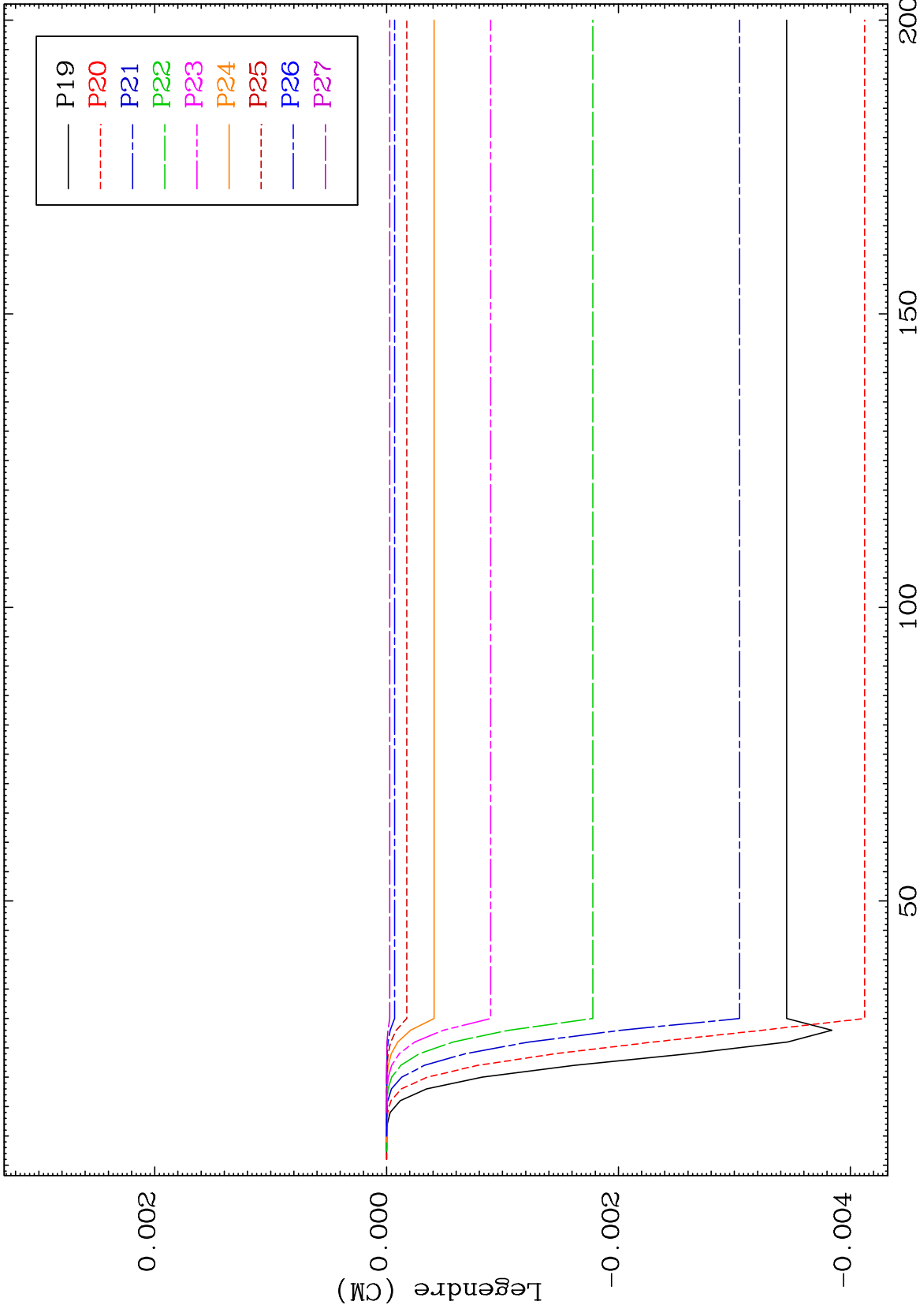
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



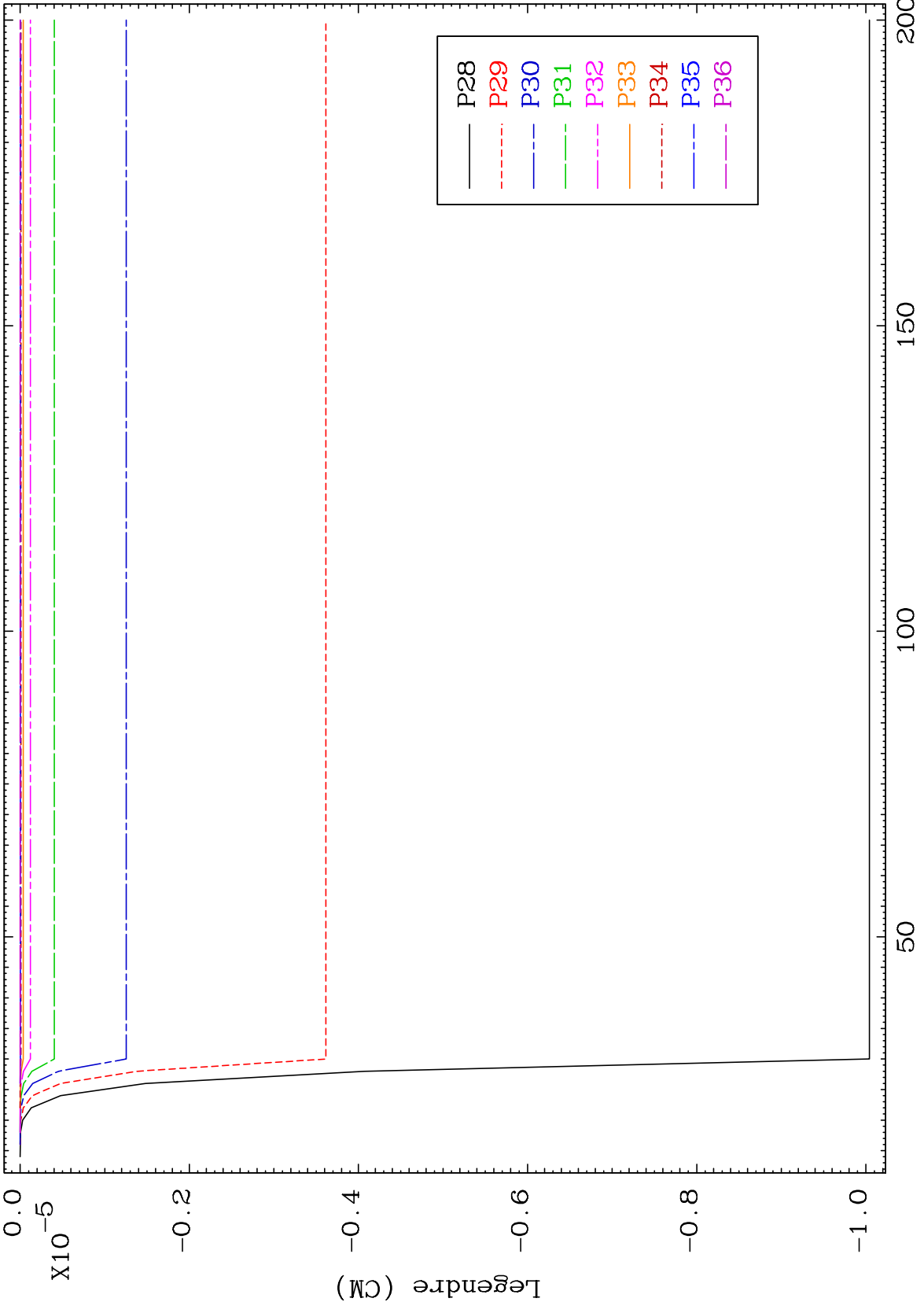
20

Incident Energy (MeV)

70-Yb-153

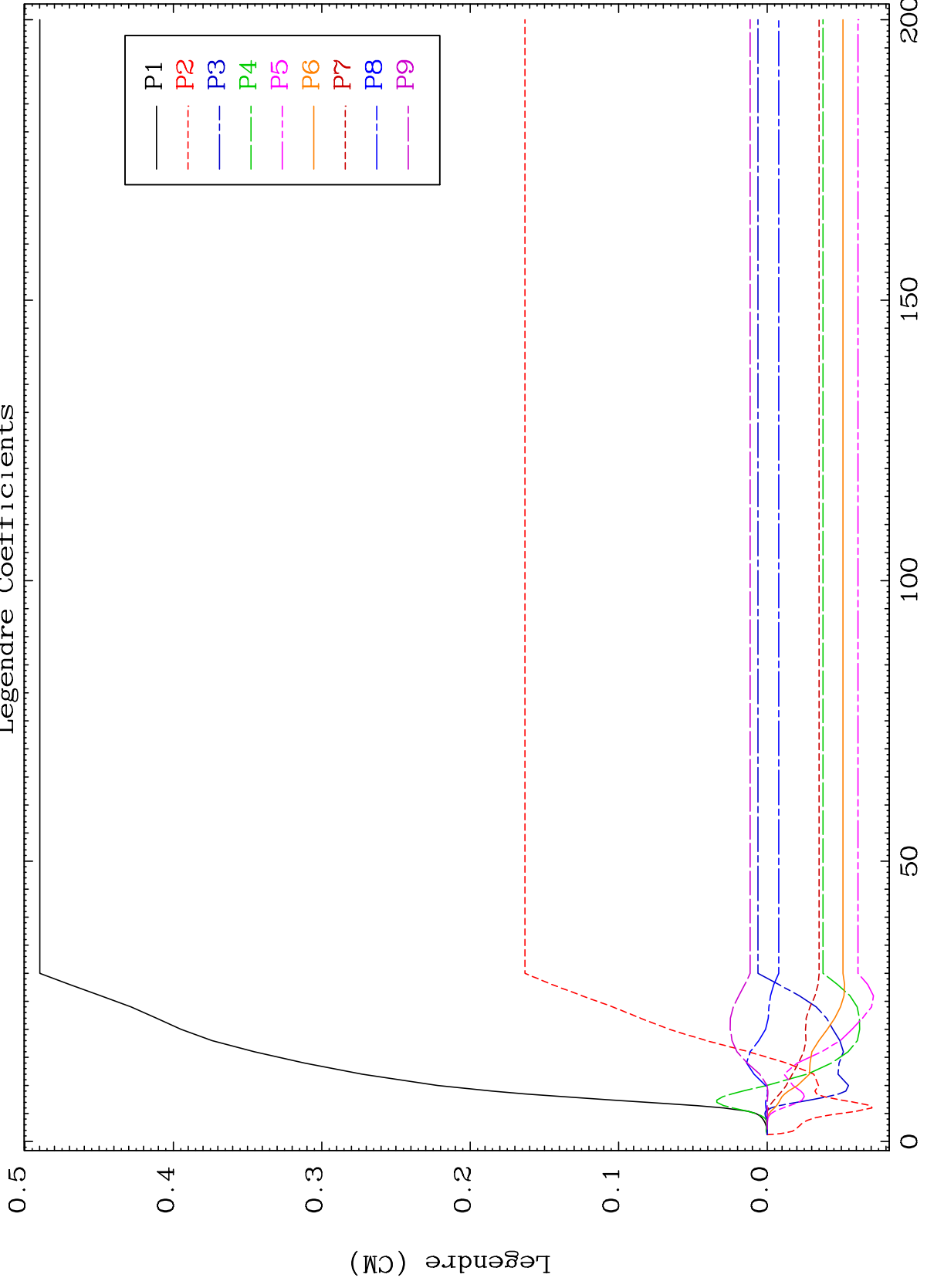
MAT 6980 MT= 51 (n,n') Level 70-Yb-153

Legendre Coefficients



21 Incident Energy (MeV) 70-Yb-153

MAT 6980 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-153

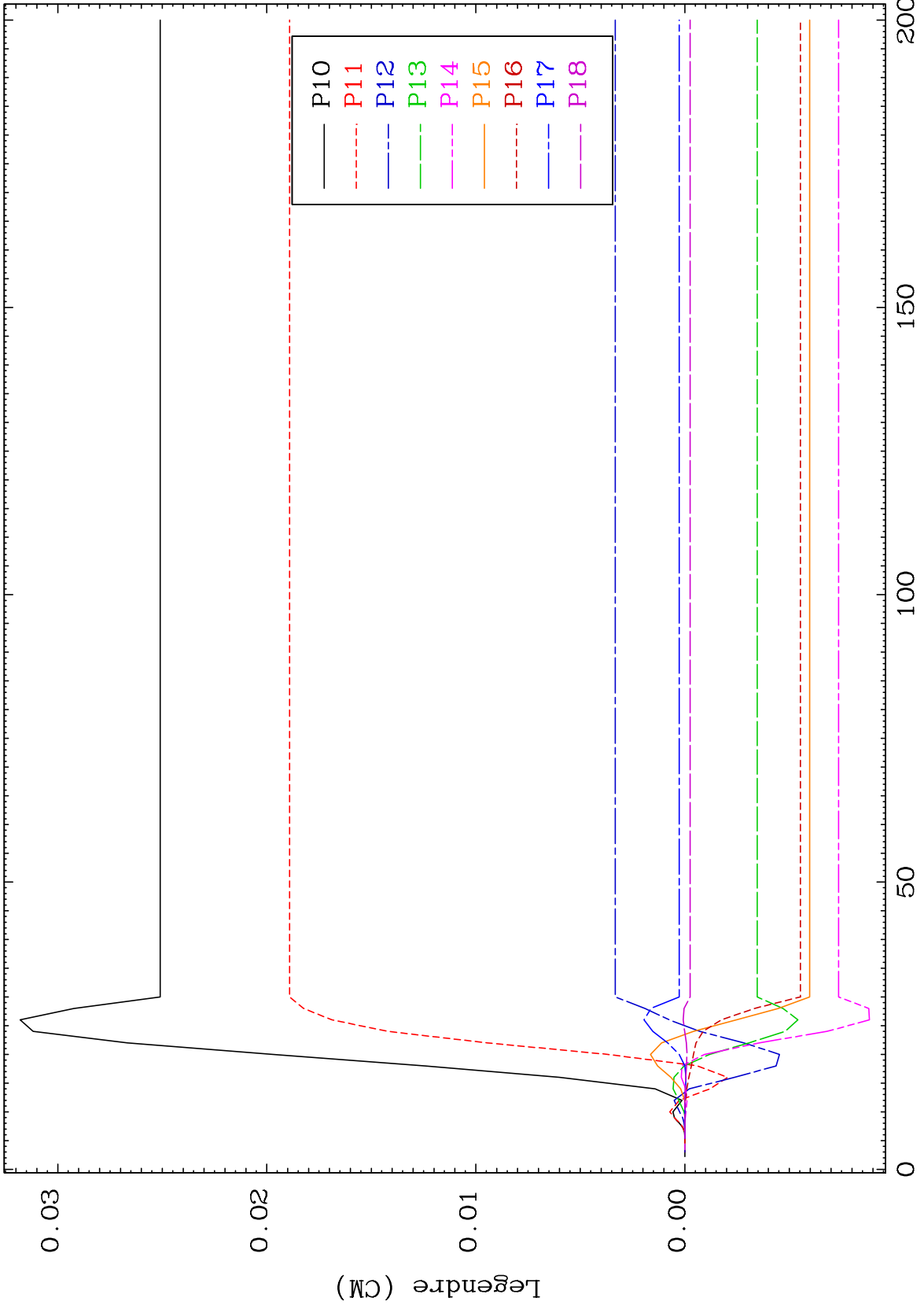


22 70-Yb-153

MAT 6980

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

70-Yb-153



23

Incident Energy (MeV)

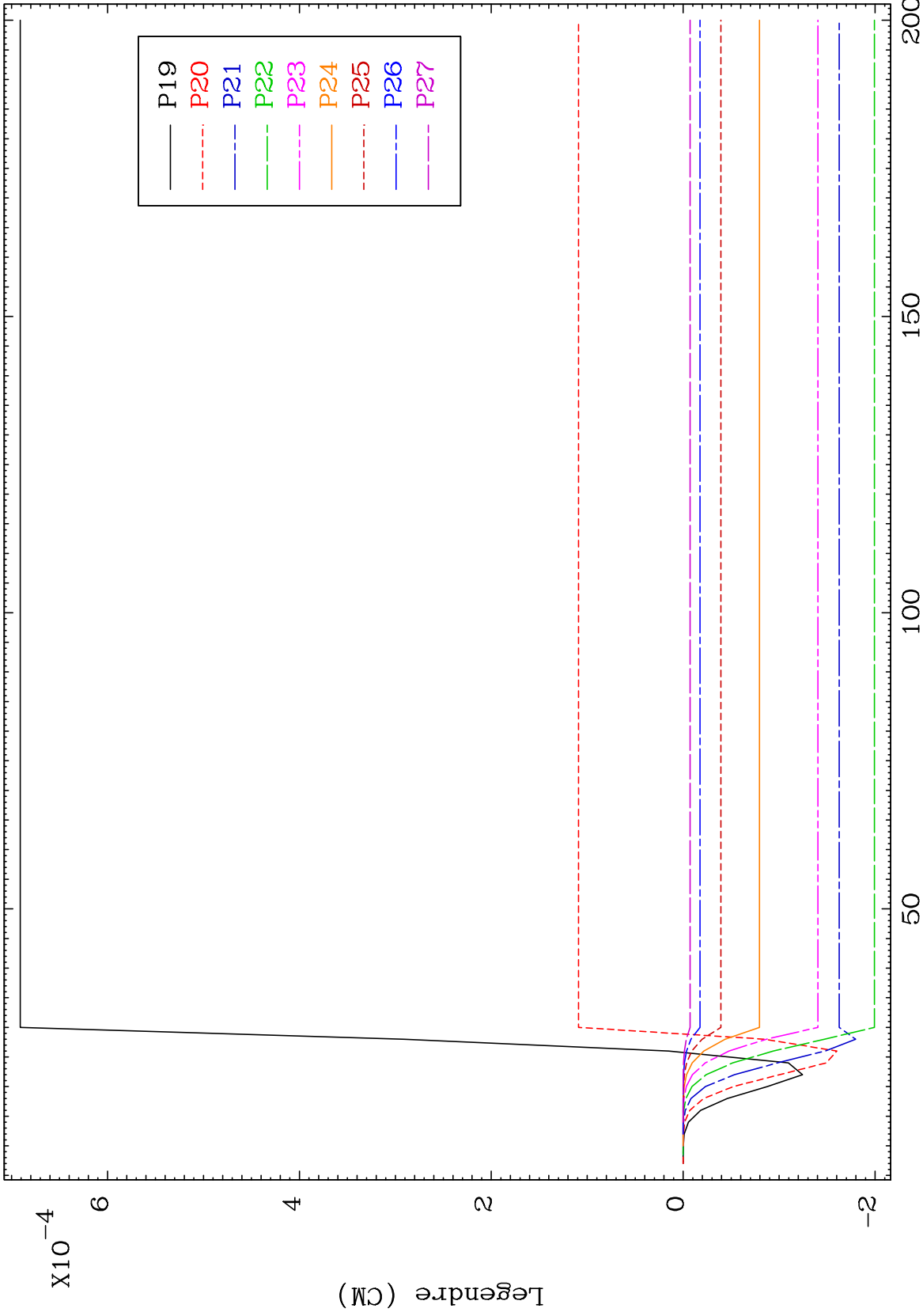
70-Yb-153



MAT 6980

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

70-Yb-153

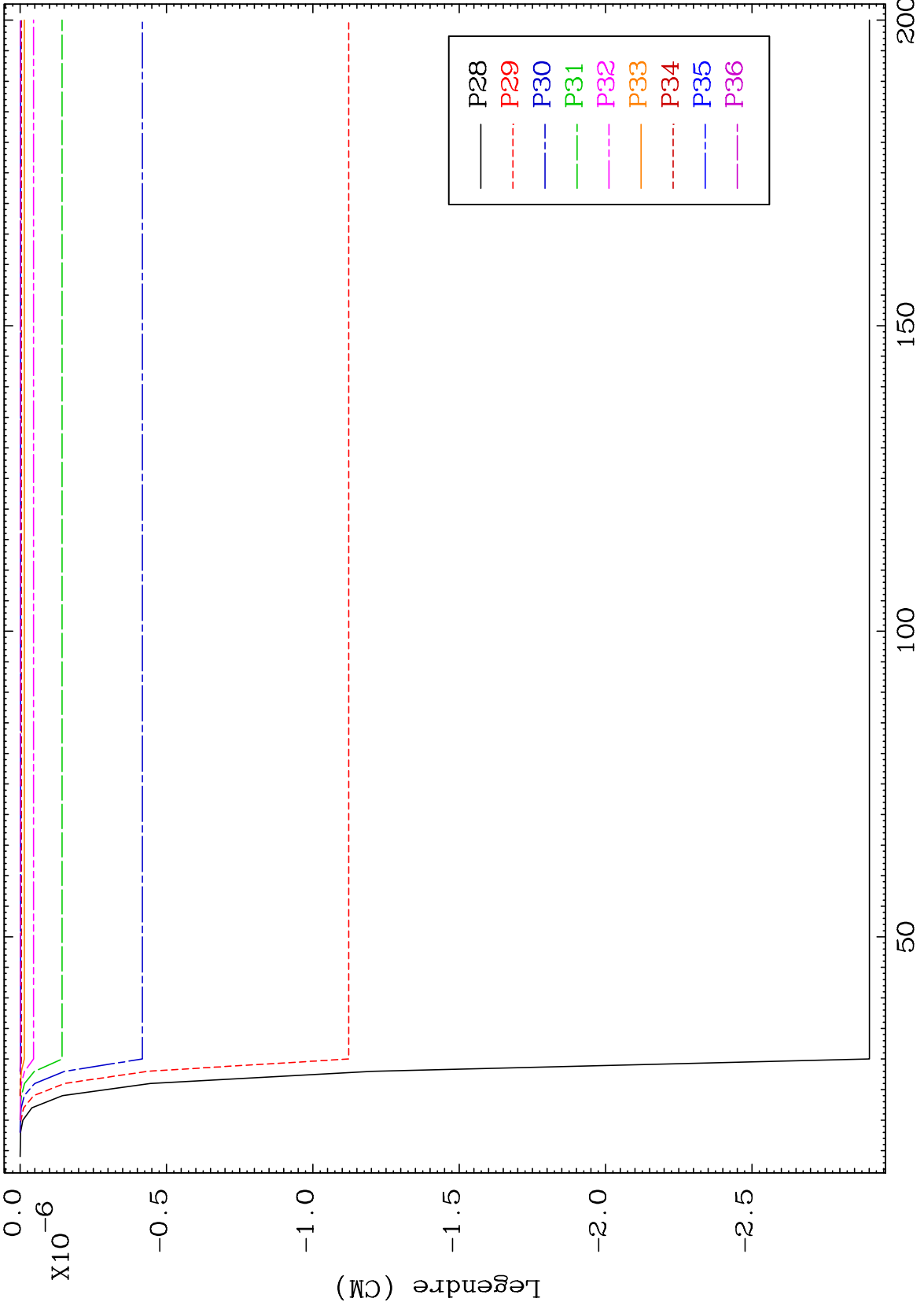


24

Incident Energy (MeV)

70-Yb-153

MAT 6980 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-153

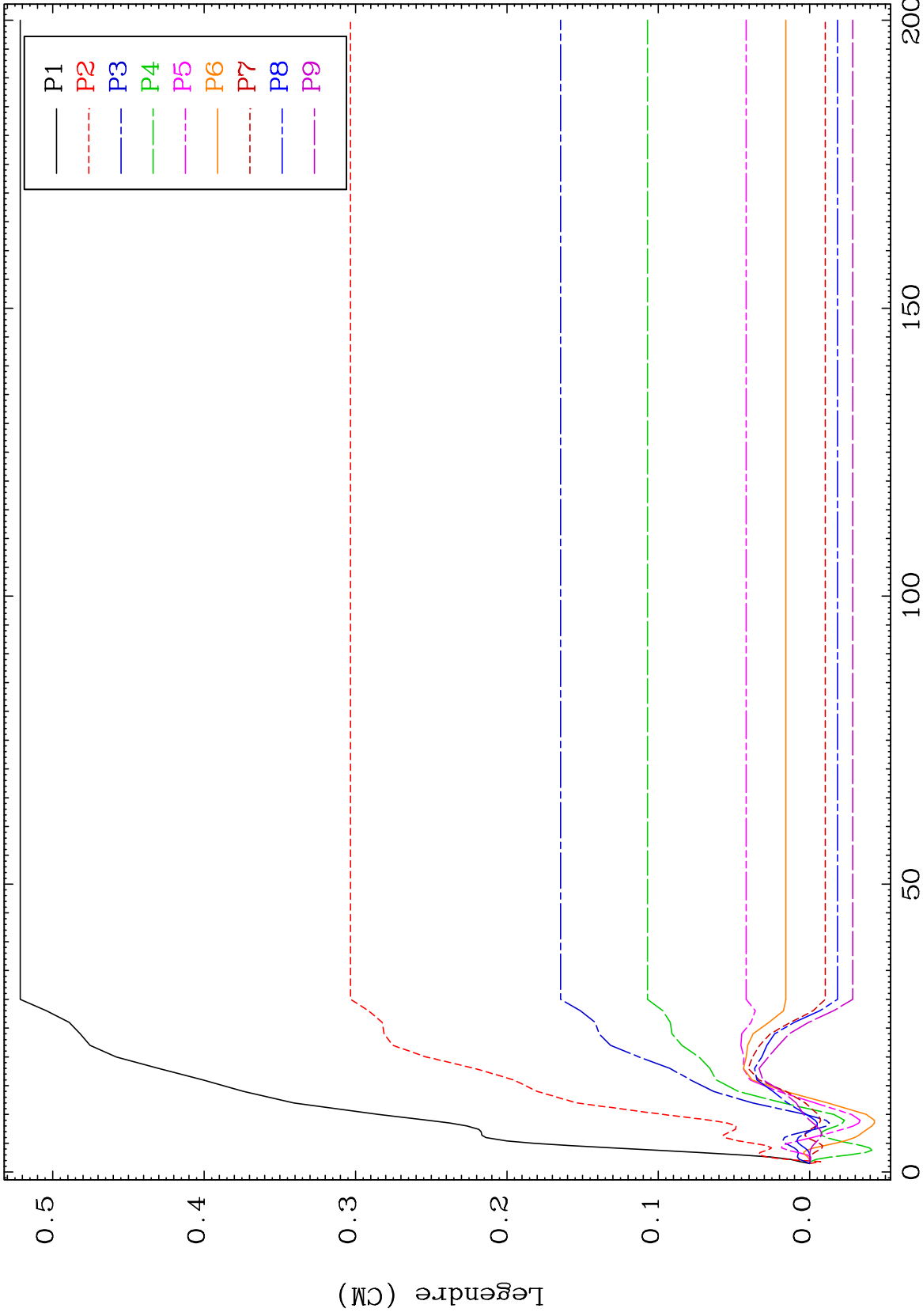


25 Incident Energy (MeV) 70-Yb-153

MAT 6980

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

70-Yb-153



26

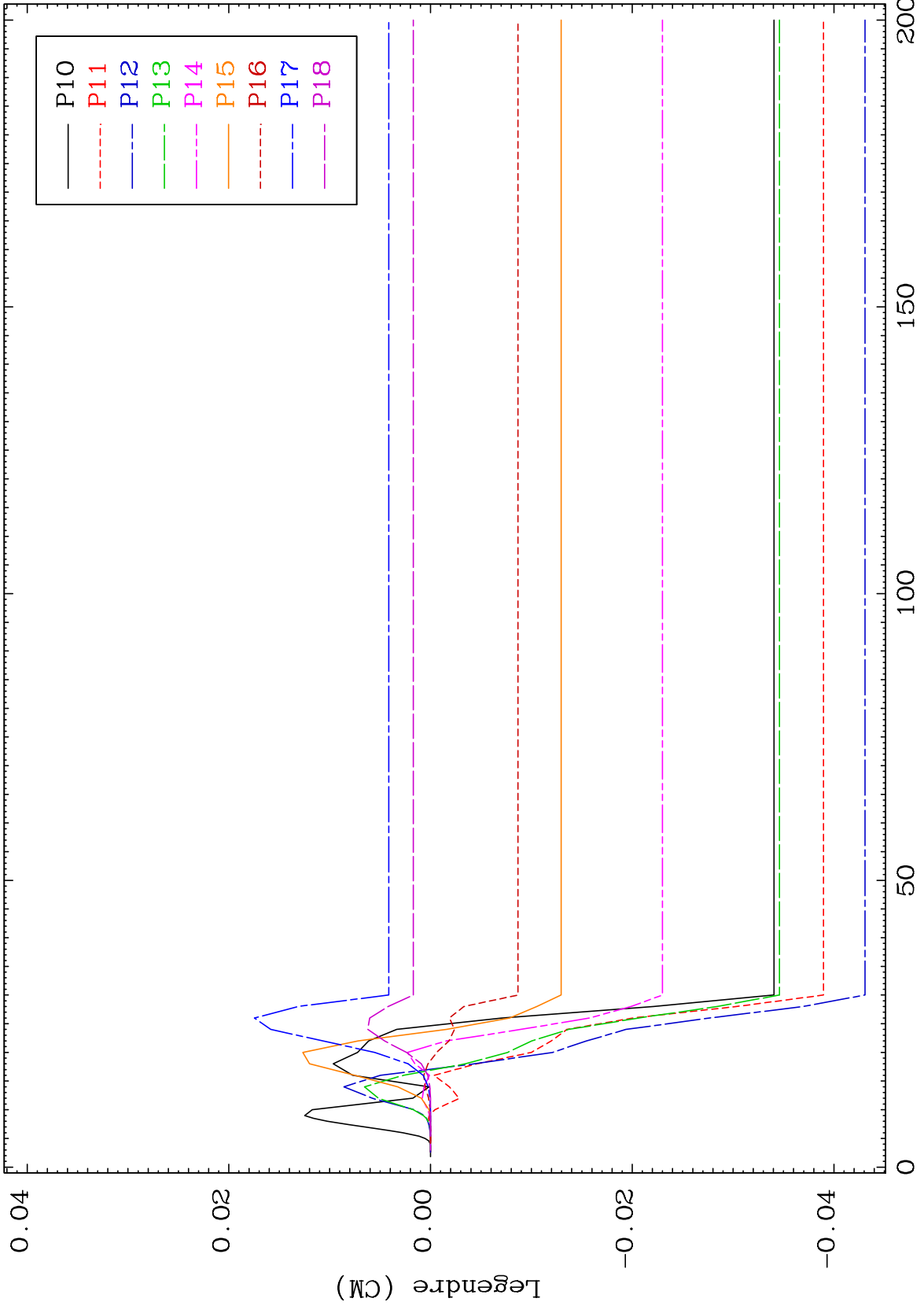
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



27

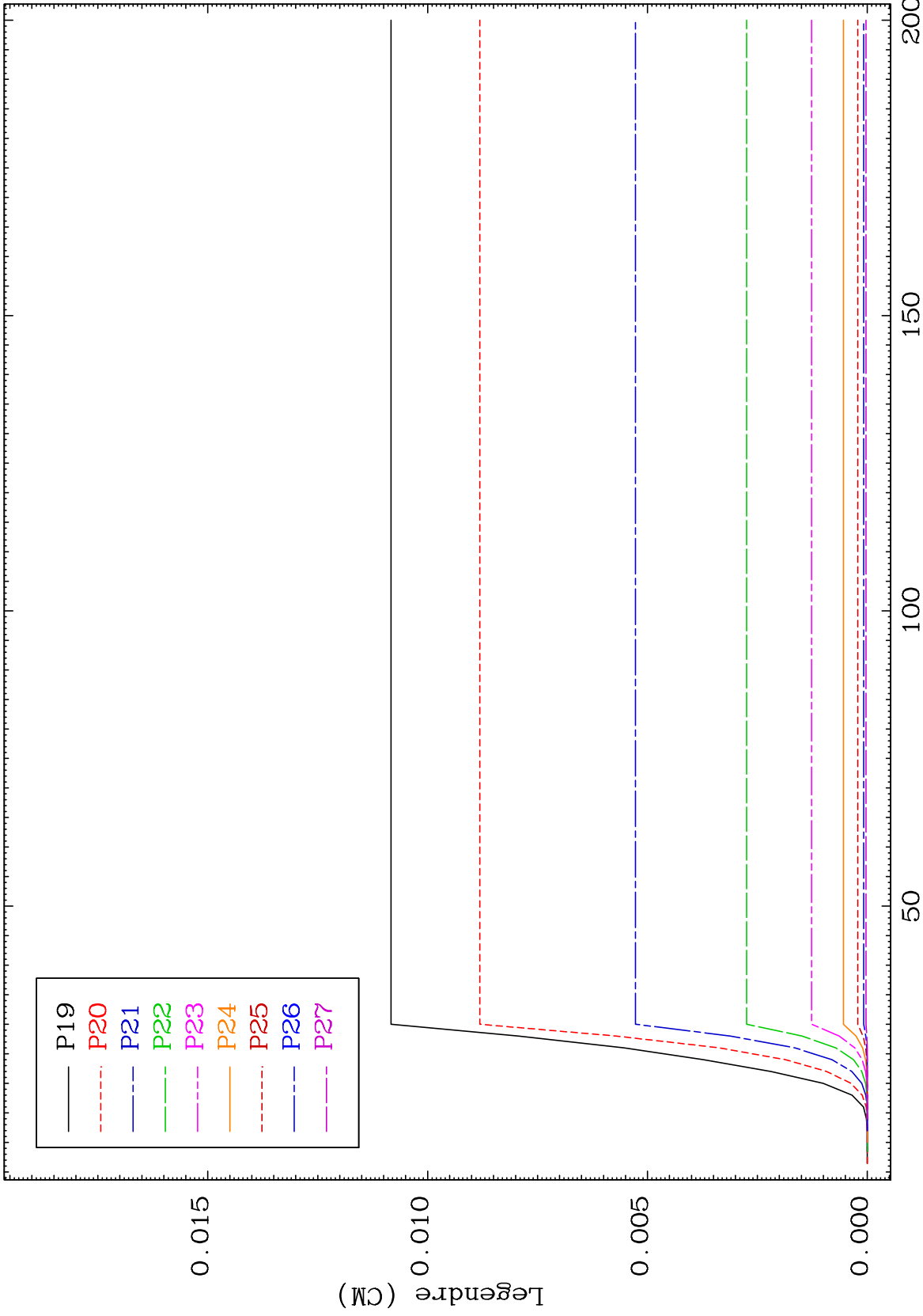
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



28

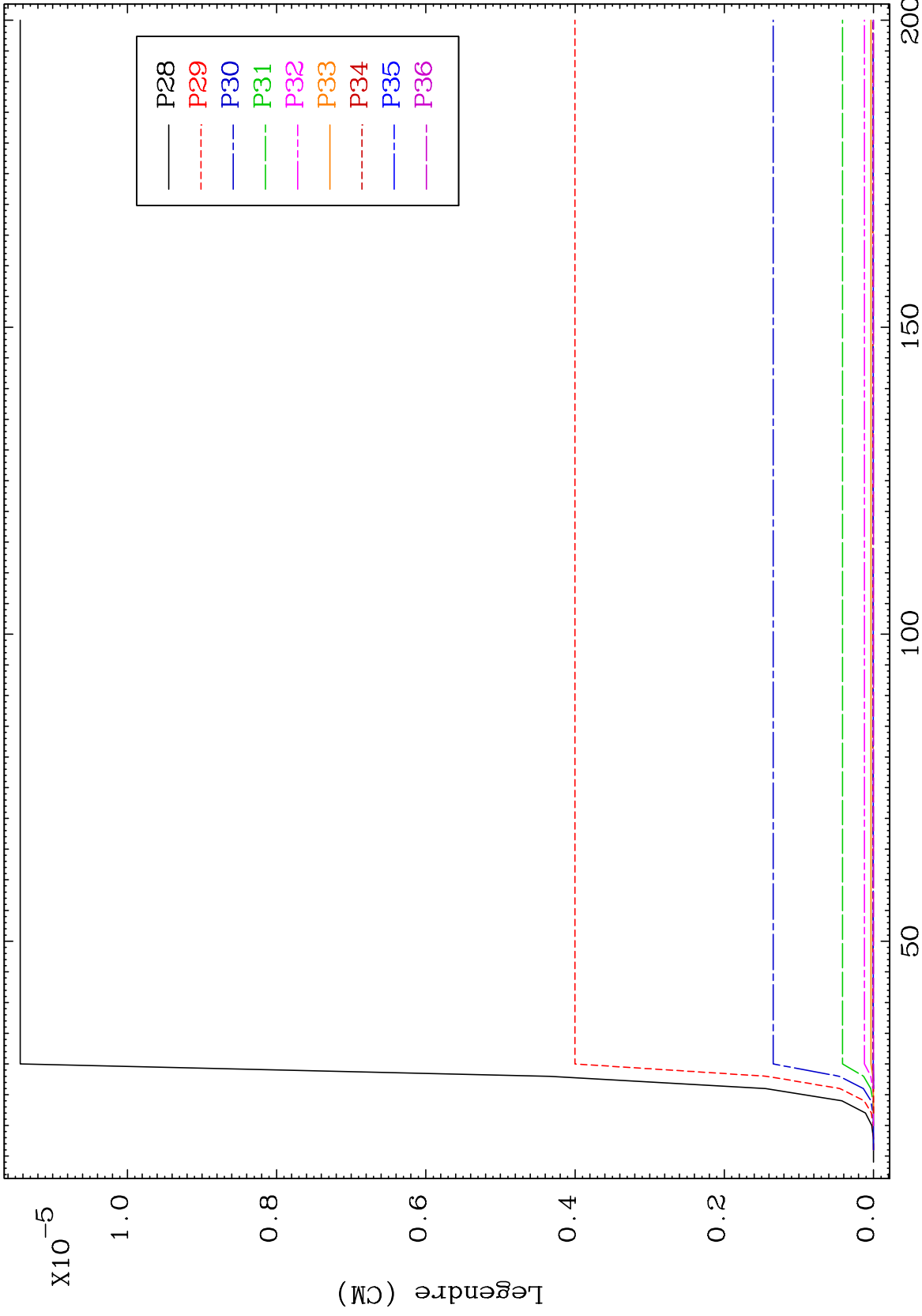
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



29

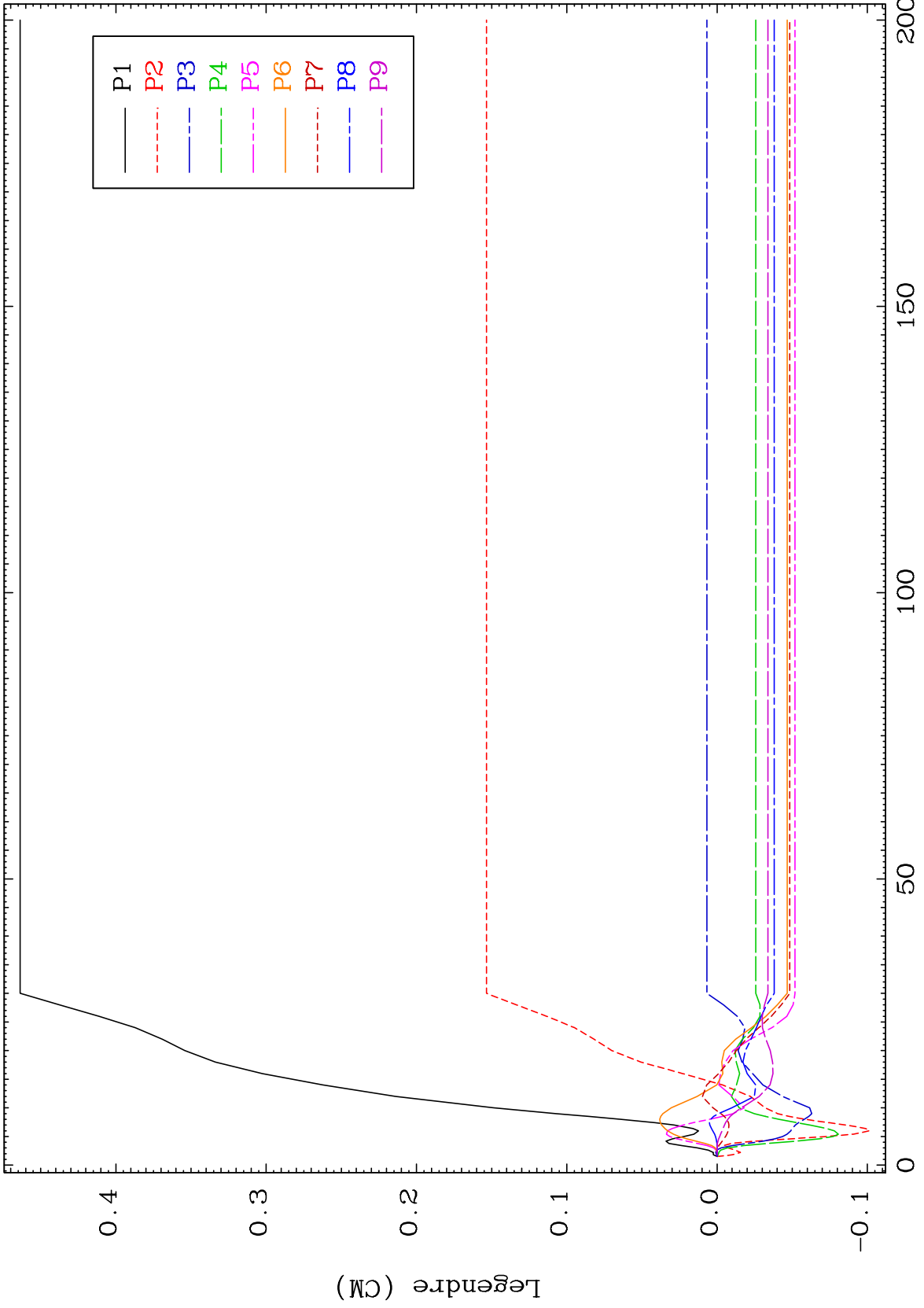
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



70-Yb-153

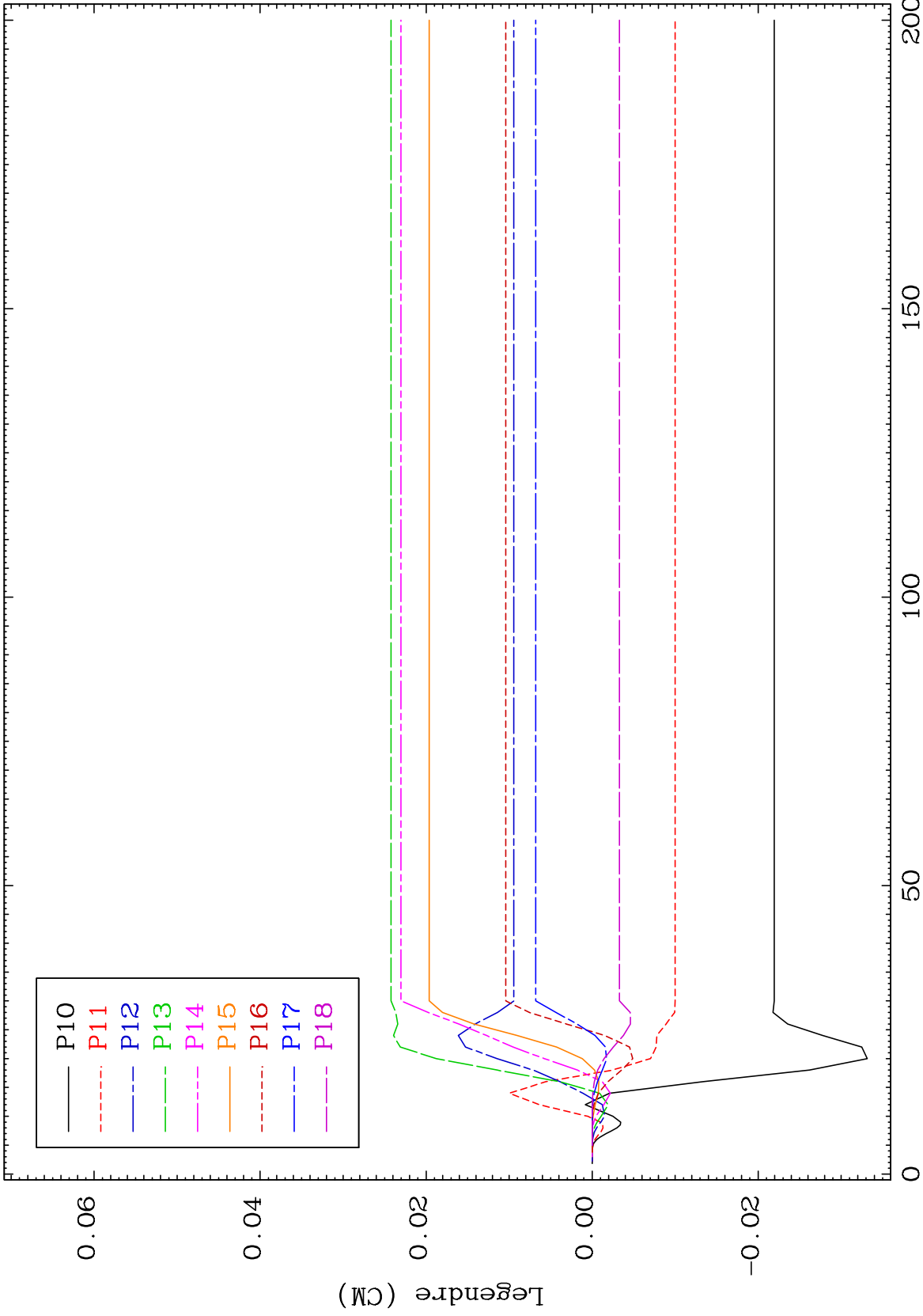
Incident Energy (MeV)

30

MAT 6980

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

70-Yb-153

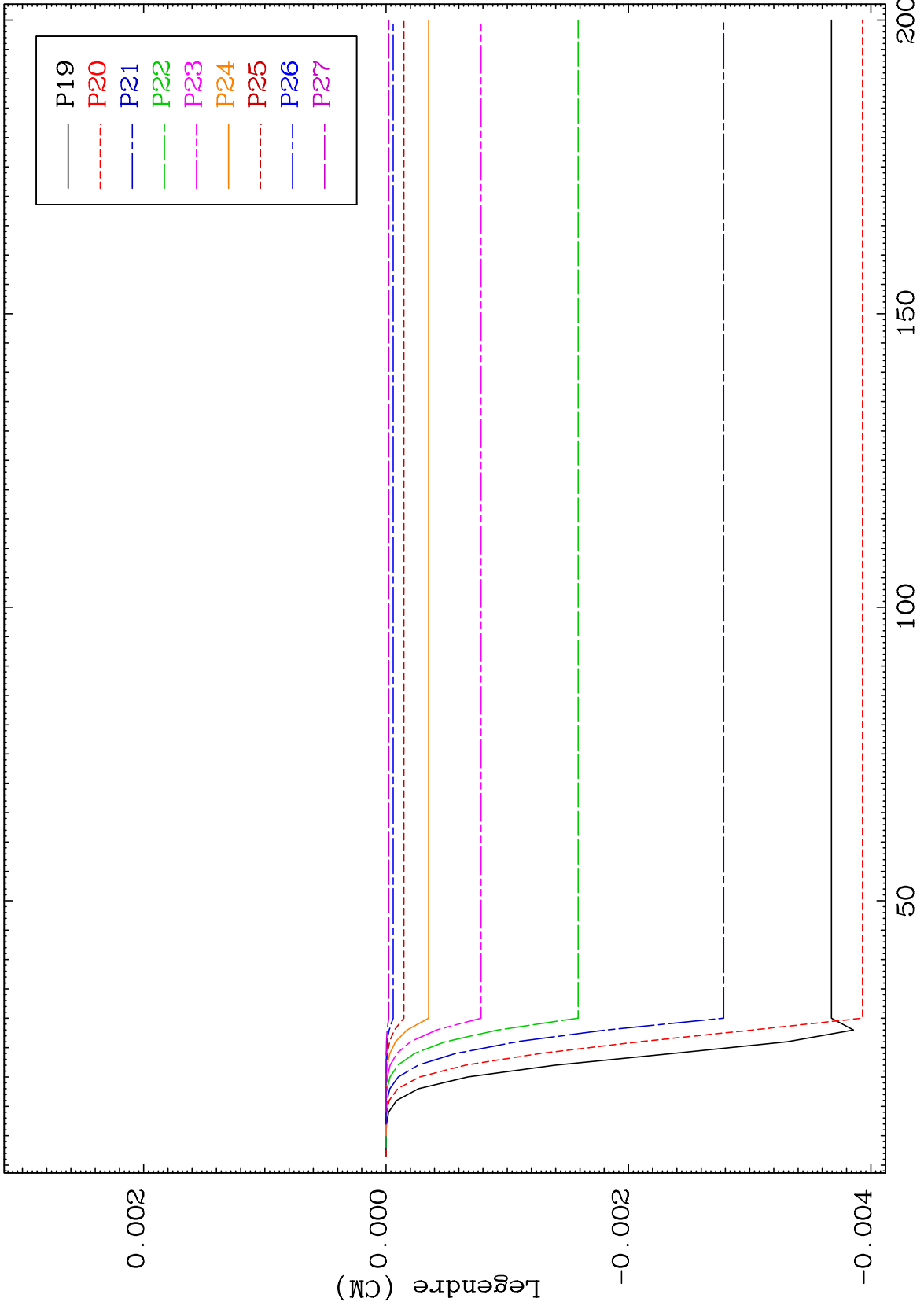




MAT 6980

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

70-Yb-153



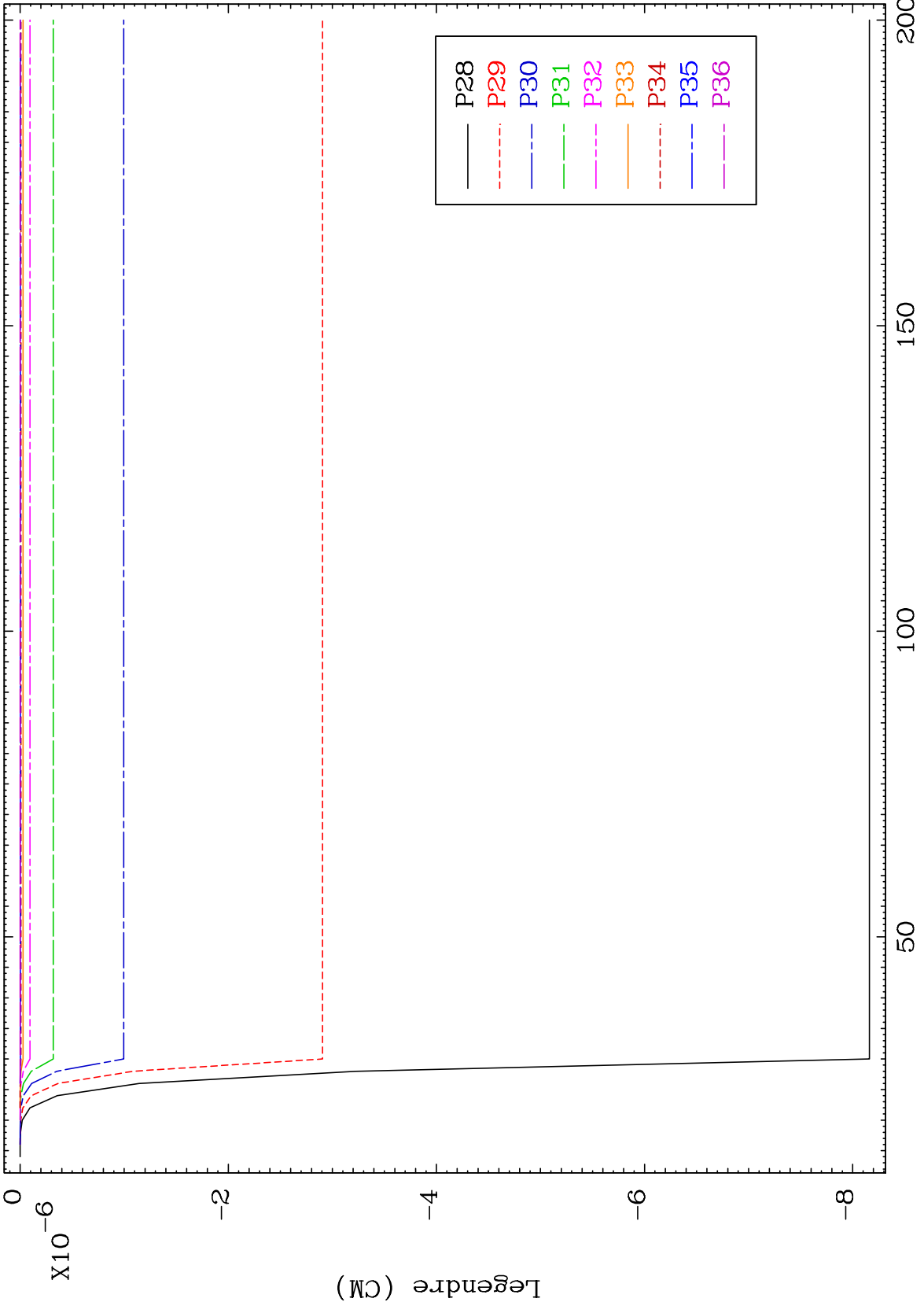
32

Incident Energy (MeV)

70-Yb-153

MAT 6980 MT= 54 (n,n') Level 70-Yb-153

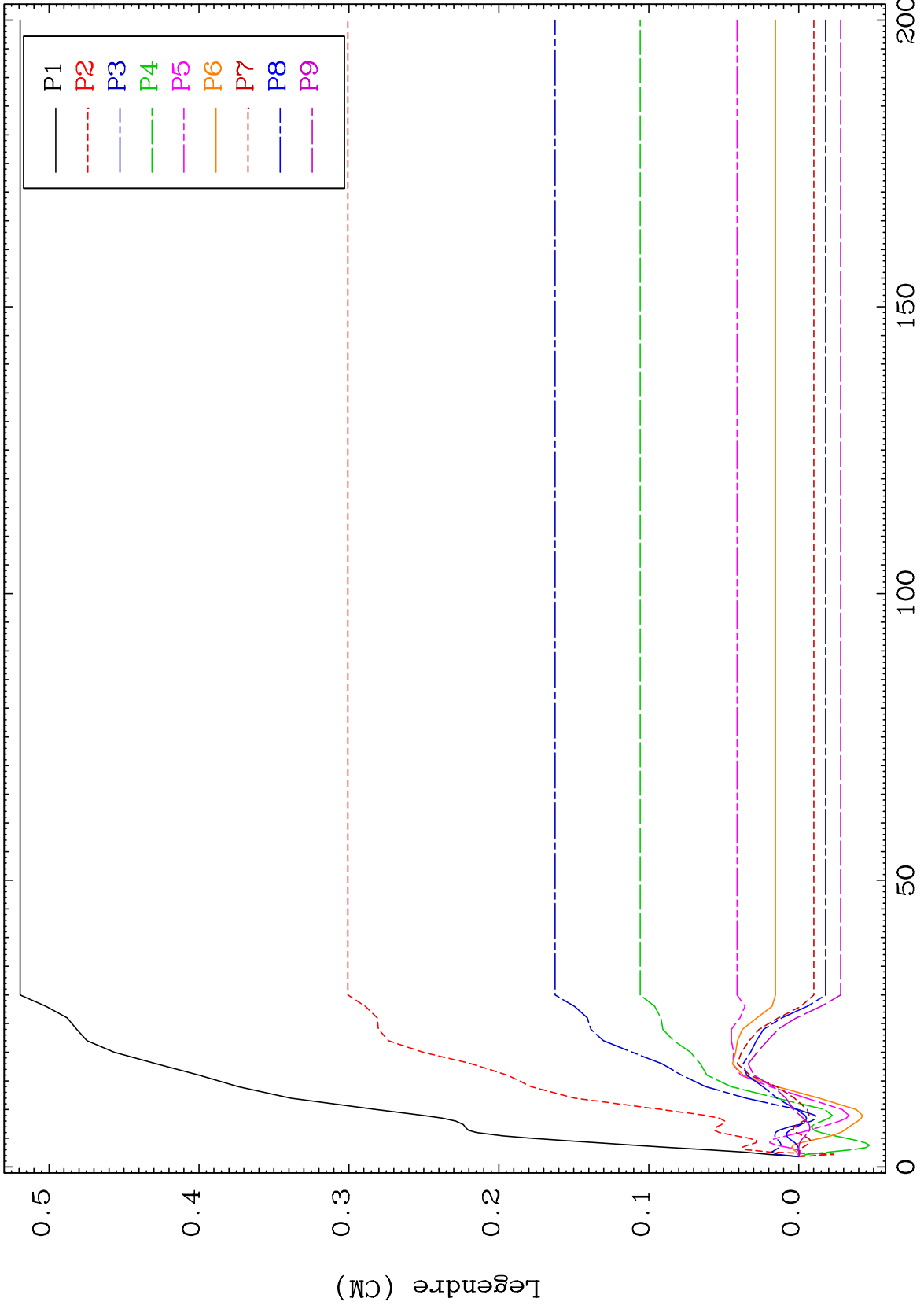
Legendre Coefficients



MAT 6980

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

70-Yb-153

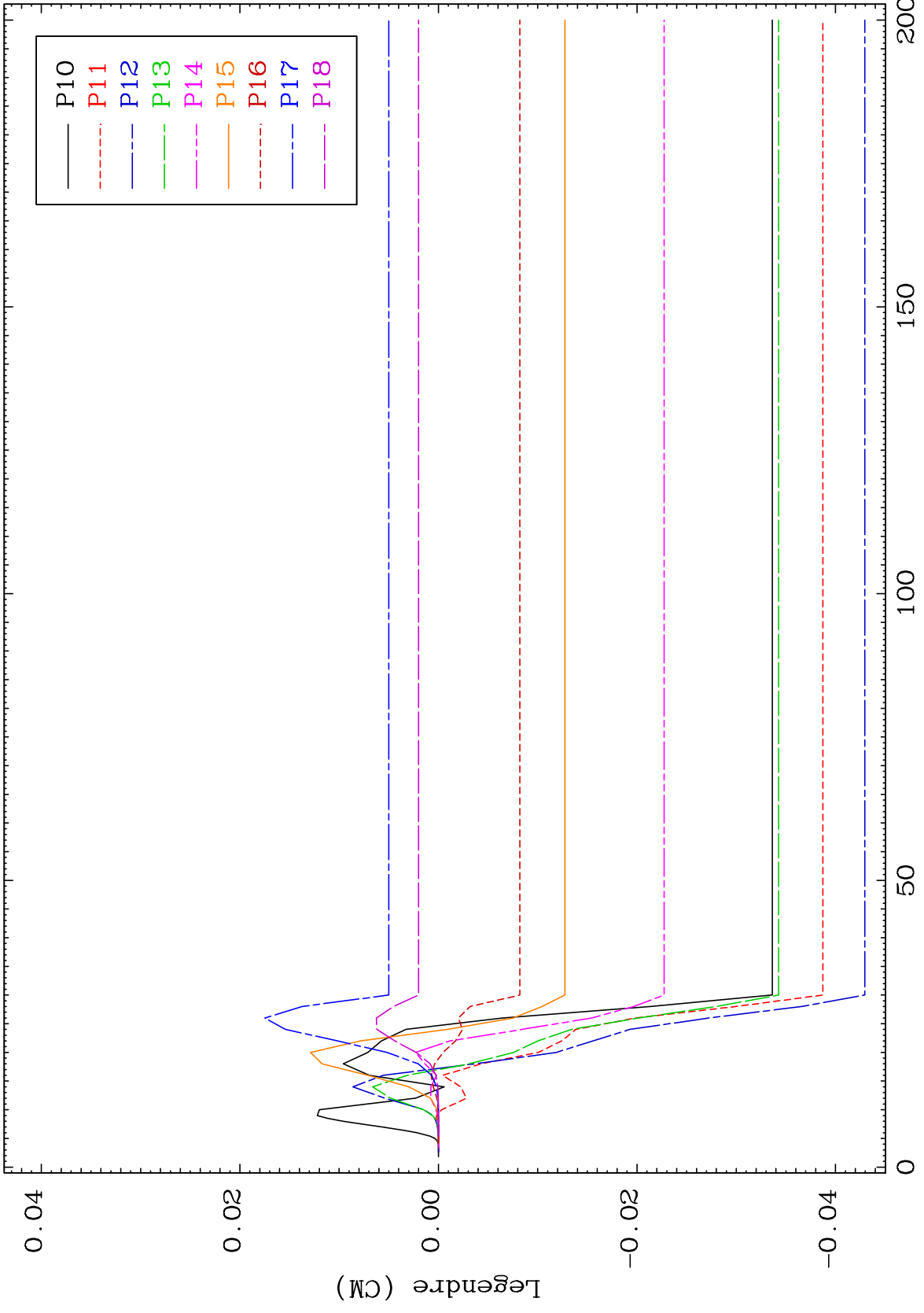


34

Incident Energy (MeV)

70-Yb-153

MAT 6980 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-153

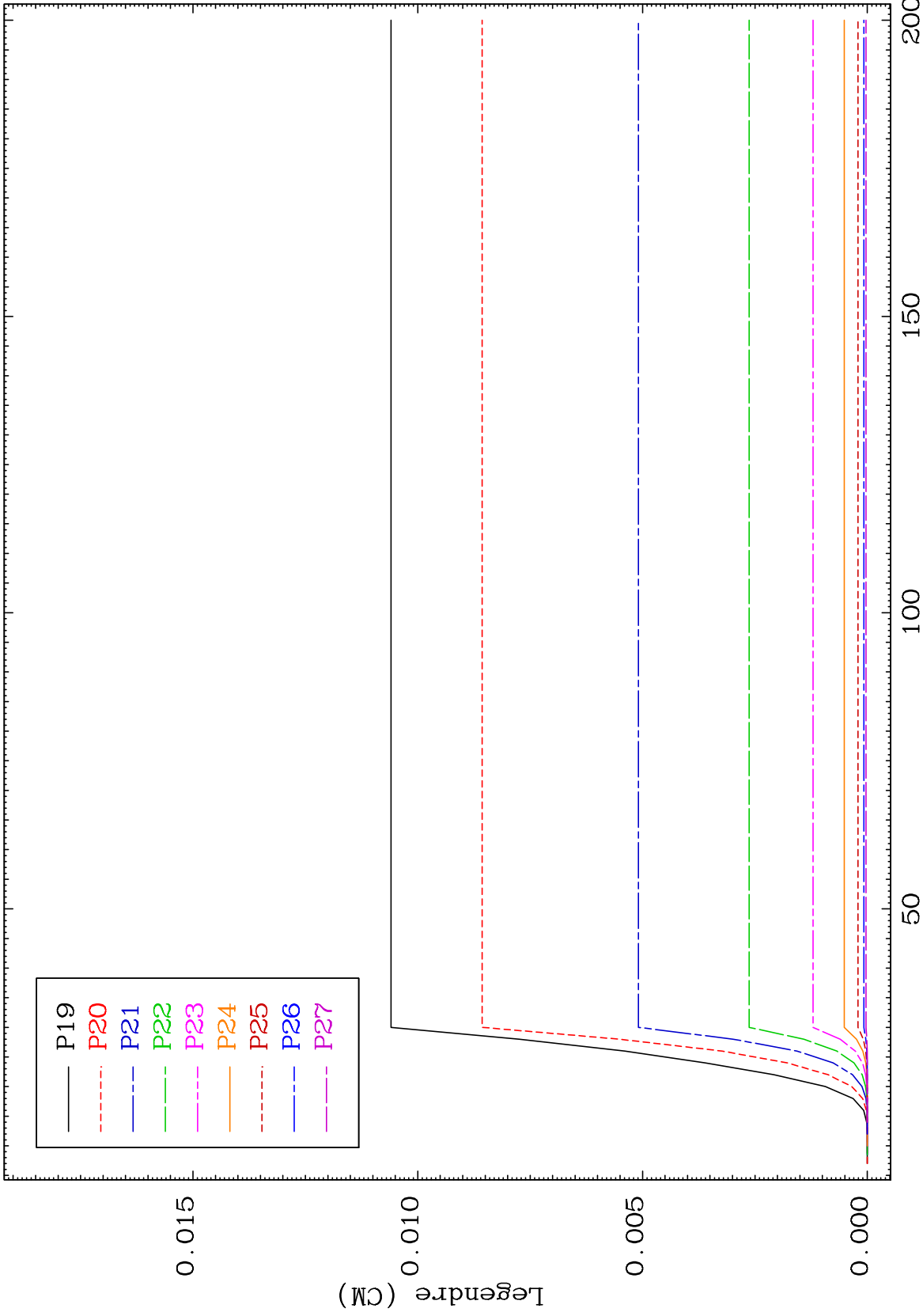


35 Incident Energy (MeV) 70-Yb-153

MAT 6980

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

70-Yb-153



36

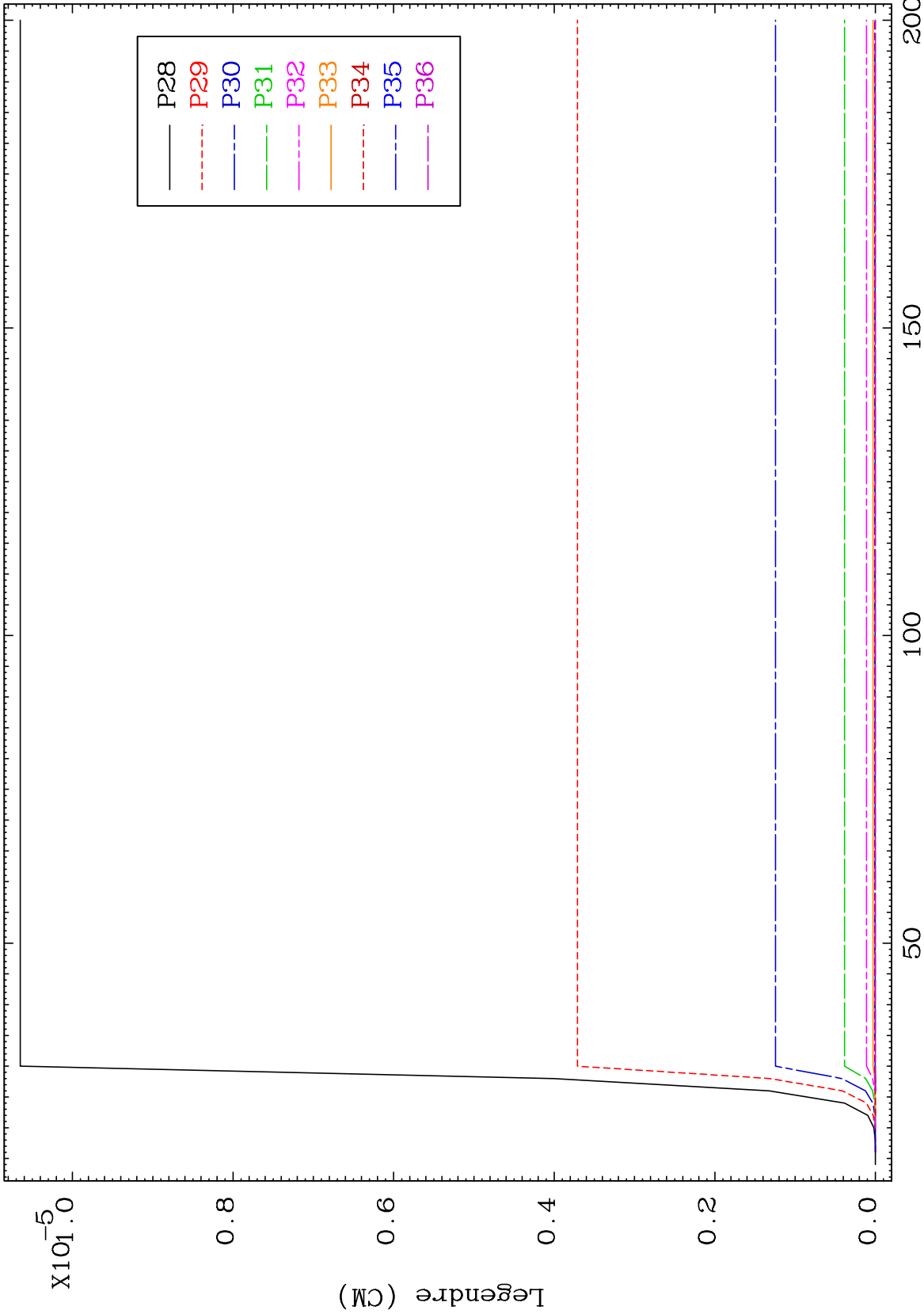
Incident Energy (MeV)

70-Yb-153

MAT 6980

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

70-Yb-153



37

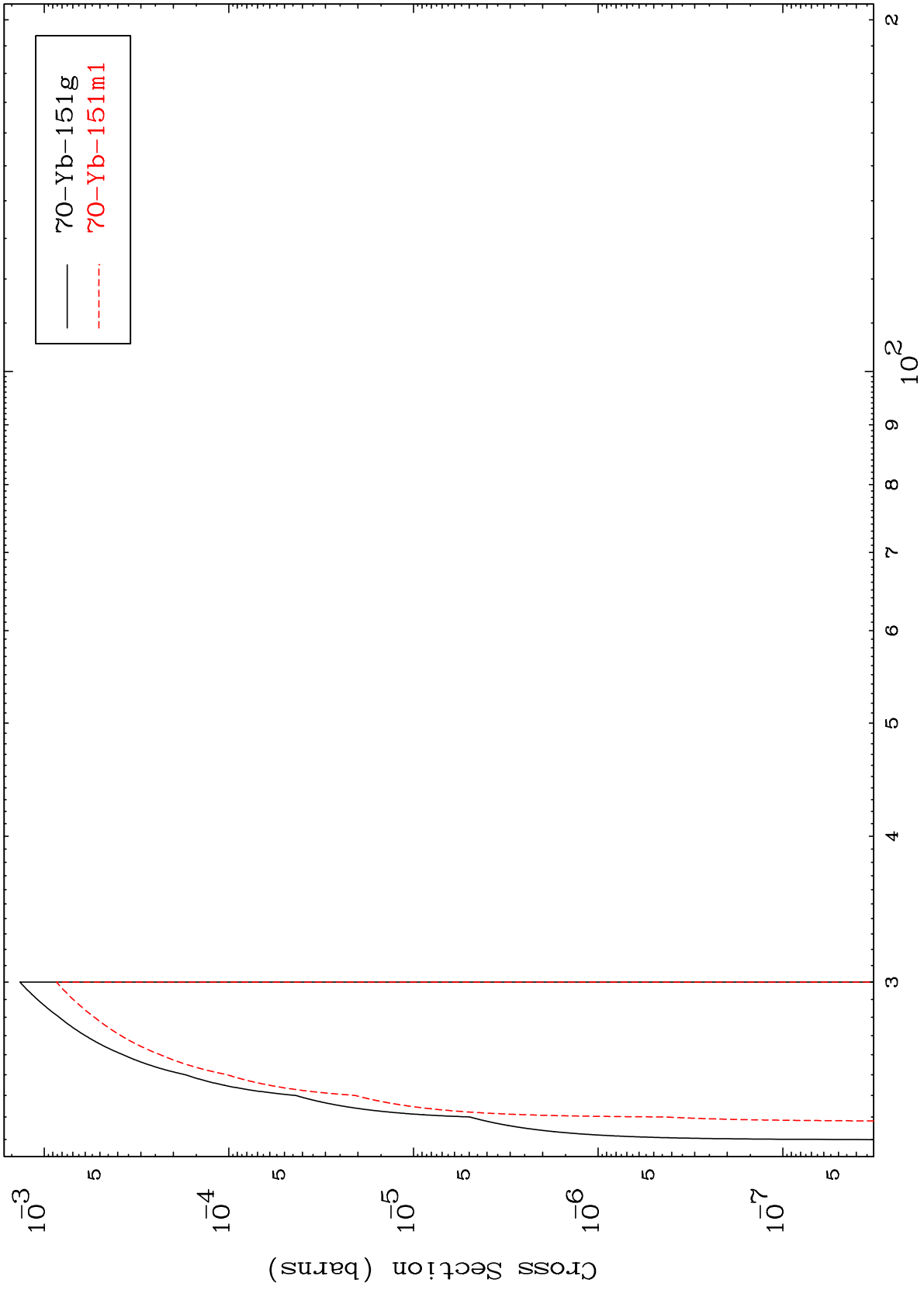
Incident Energy (MeV)

70-Yb-153

MAT 6980

<sup>70</sup>Yb-153

(n,3n)  
Radionuclide Production Cross Section



38

<sup>70</sup>Yb-153

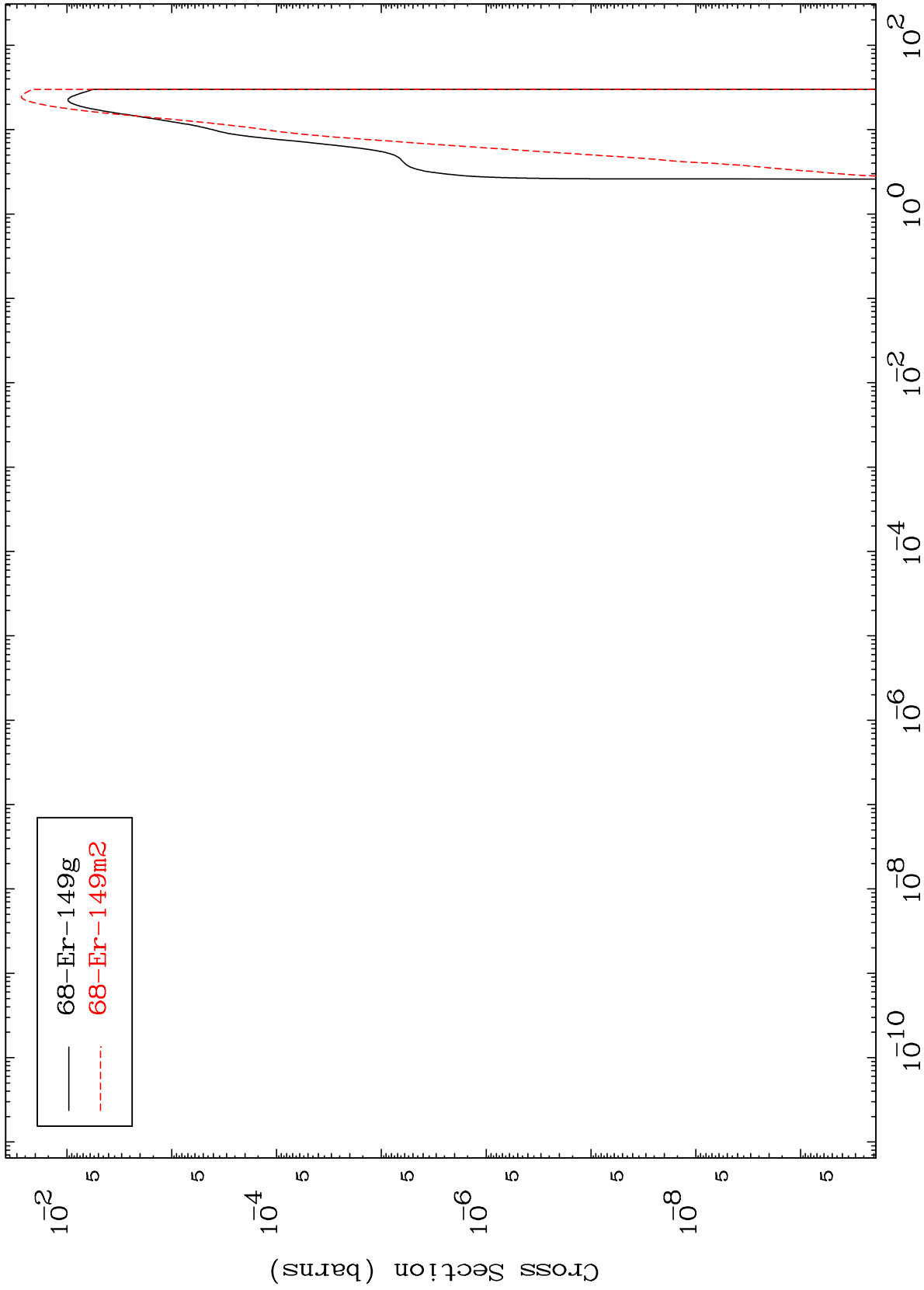
Incident Energy (MeV)

MAT 6980

(n,n')  $\alpha$

70-Yb-153

Radionuclide Production Cross Section



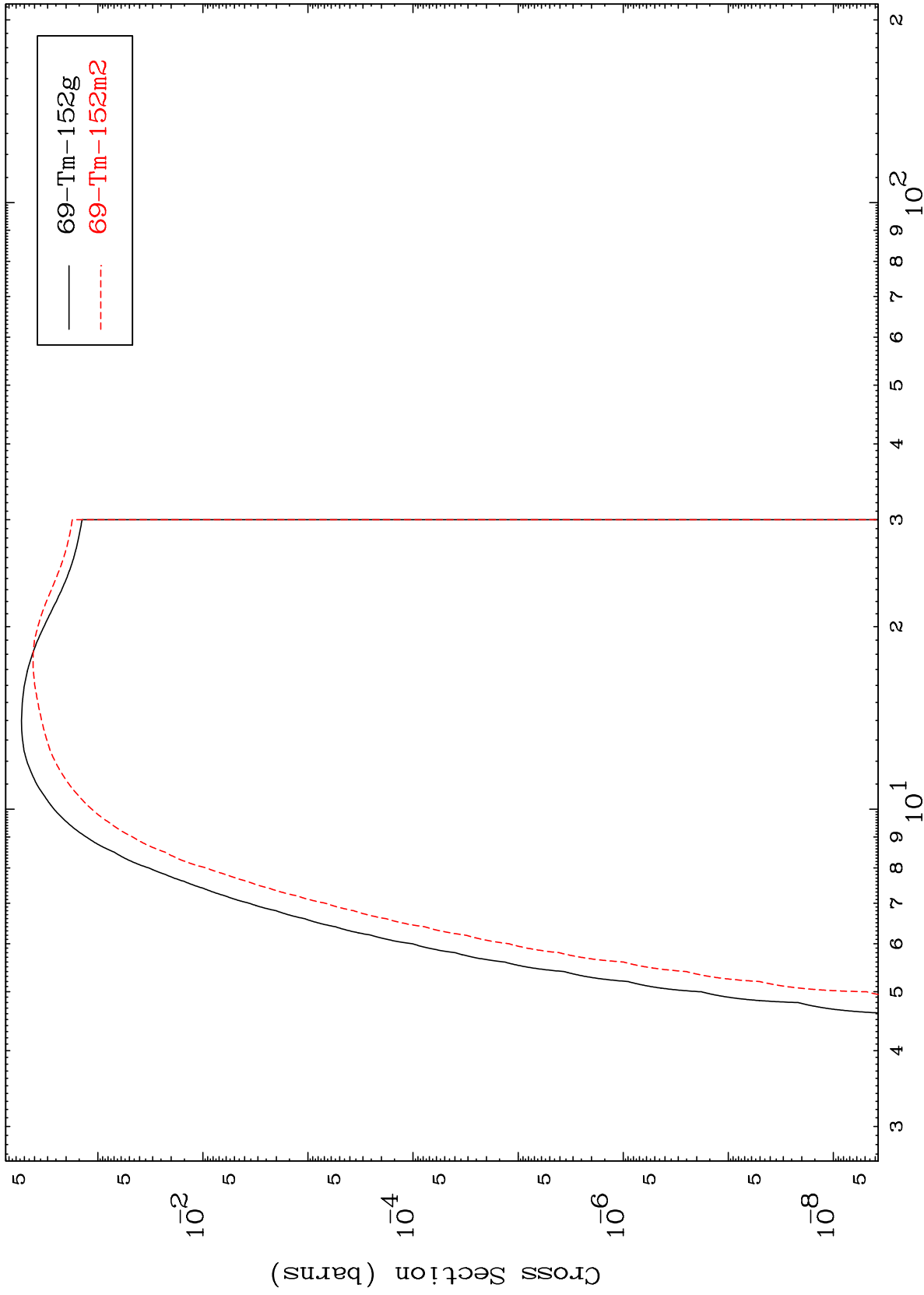


MAT 6980

(n,n') p

70-Yb-153

Radionuclide Production Cross Section



40

Incident Energy (MeV)

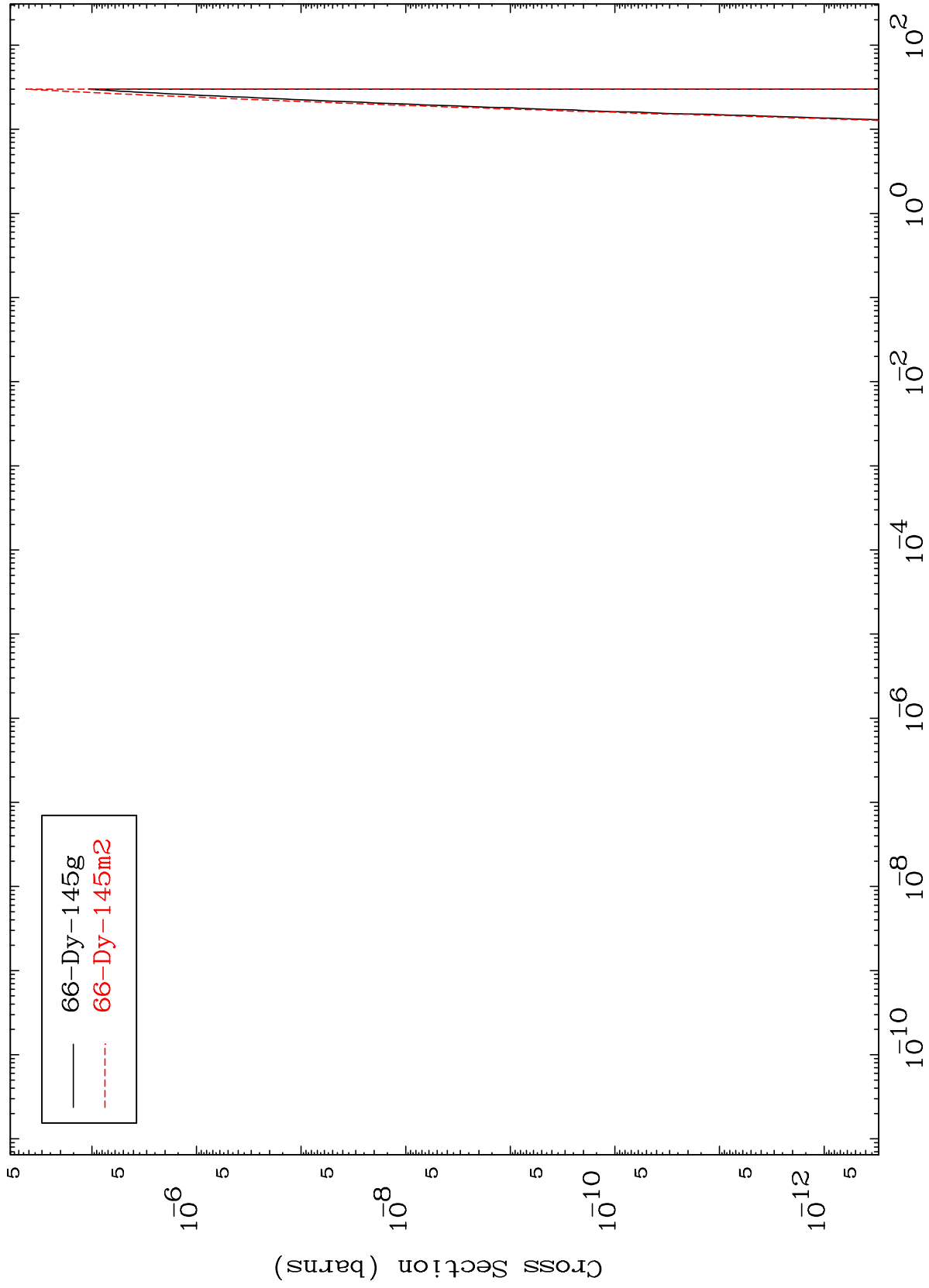
70-Yb-153

MAT 6980

(n,n') 2 $\alpha$

70-Yb-153

Radionuclide Production Cross Section



41

Incident Energy (MeV)

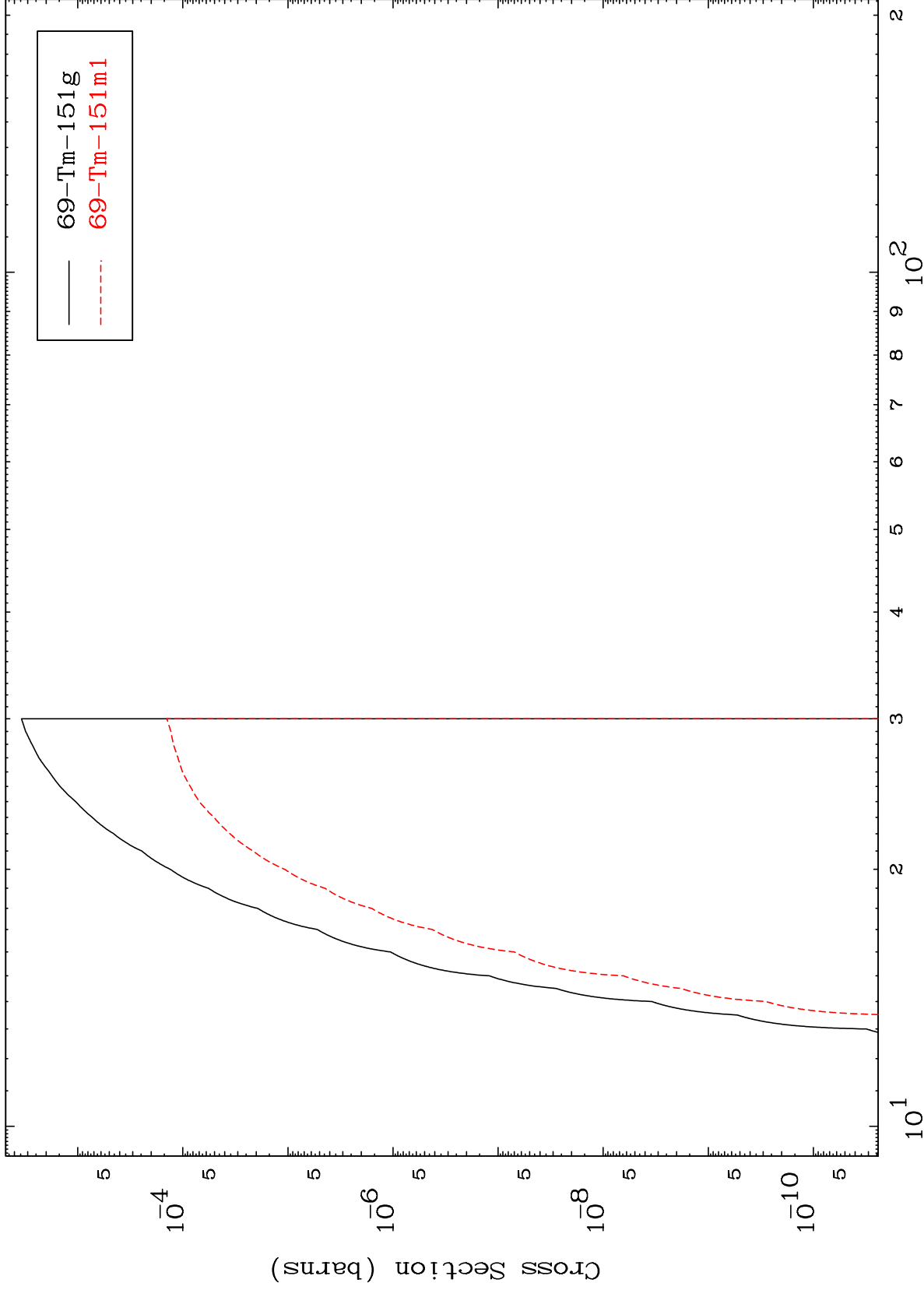
70-Yb-153

MAT 6980

(n,n') d

70-Yb-153

Radionuclide Production Cross Section



42

Incident Energy (MeV)

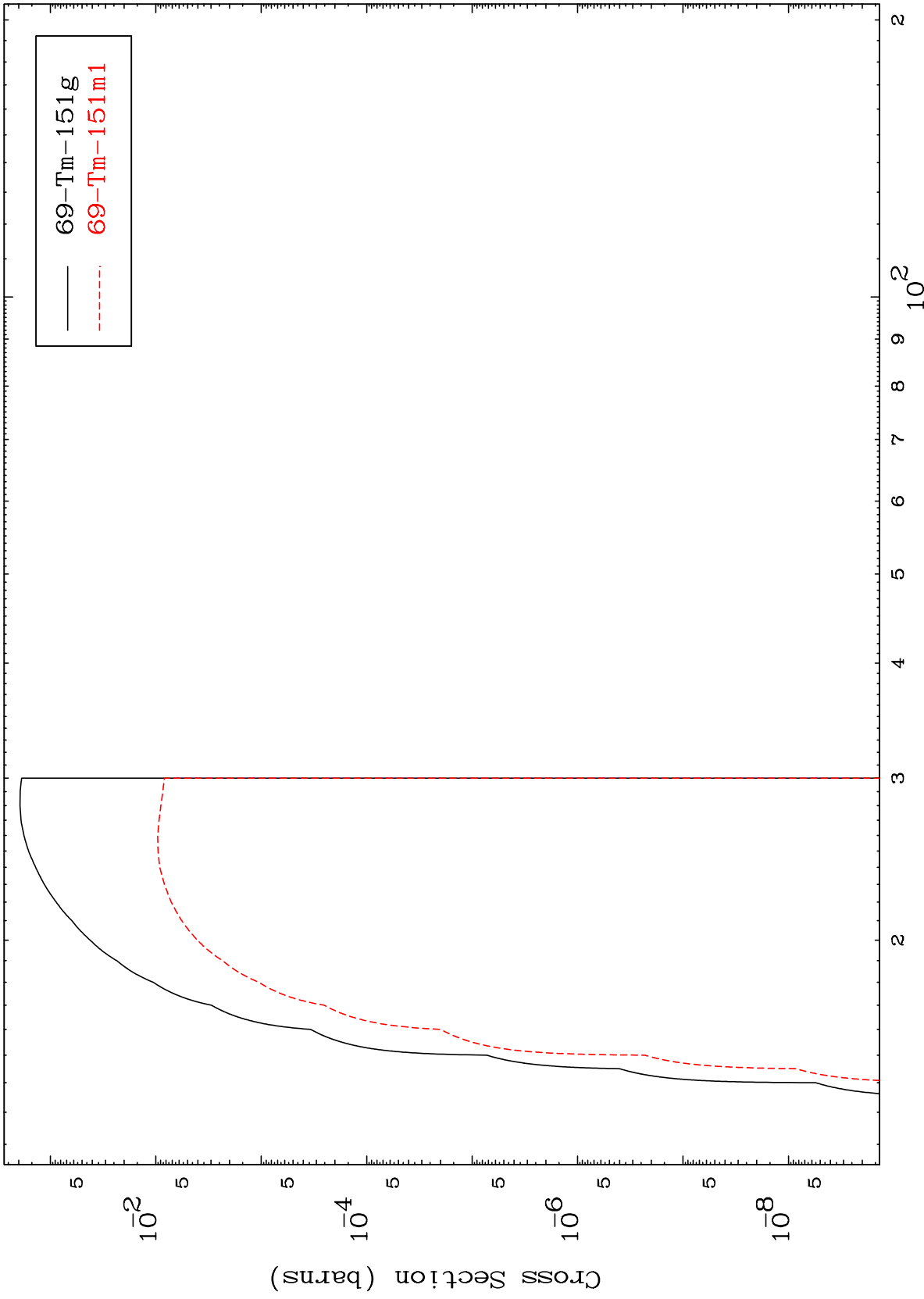
70-Yb-153

MAT 6980

(n,2n) p

70-Yb-153

Radionuclide Production Cross Section



43

Incident Energy (MeV)

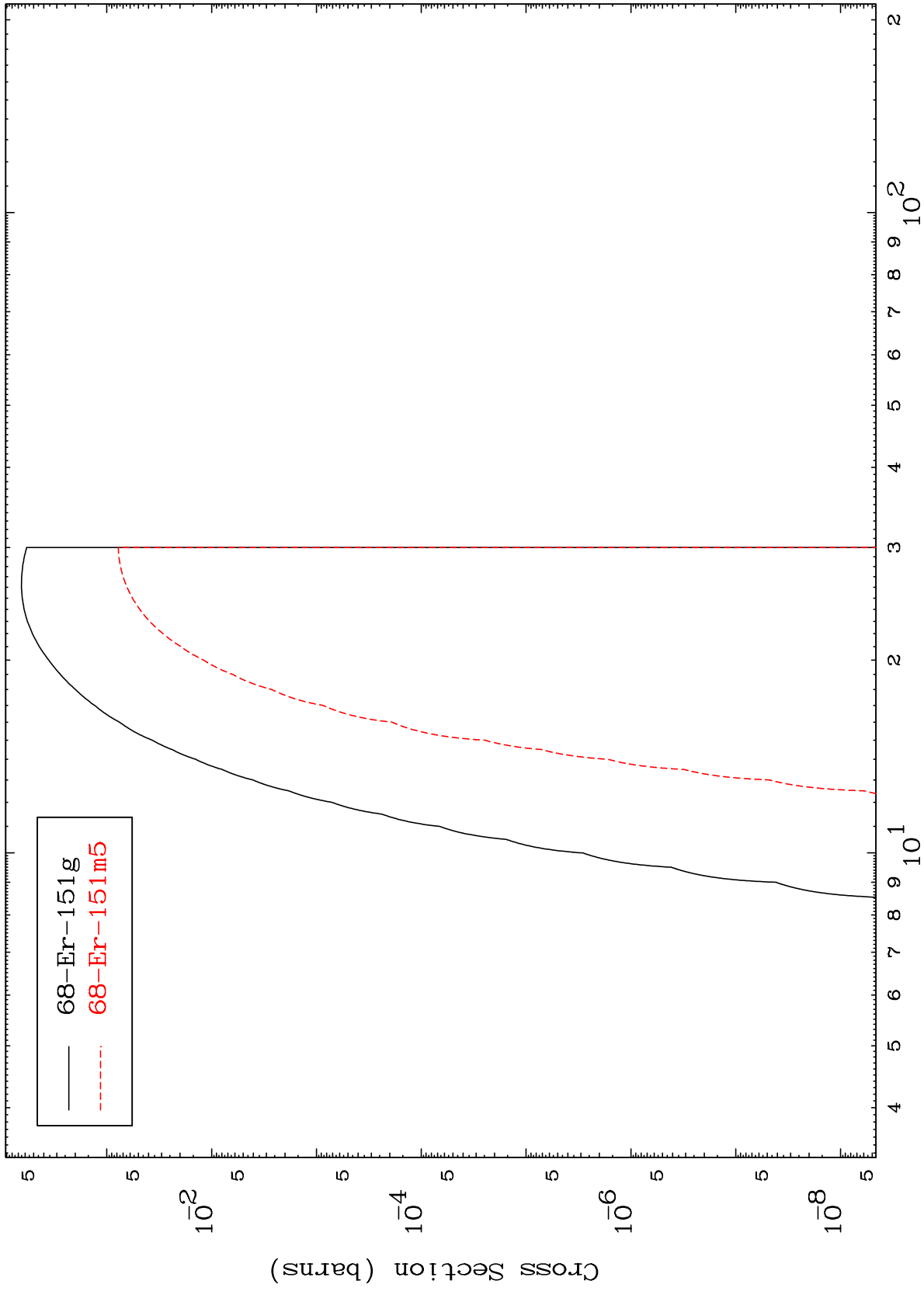
70-Yb-153

MAT 6980

(n,2n) p

70-Yb-153

Radionuclide Production Cross Section



44

Incident Energy (MeV)

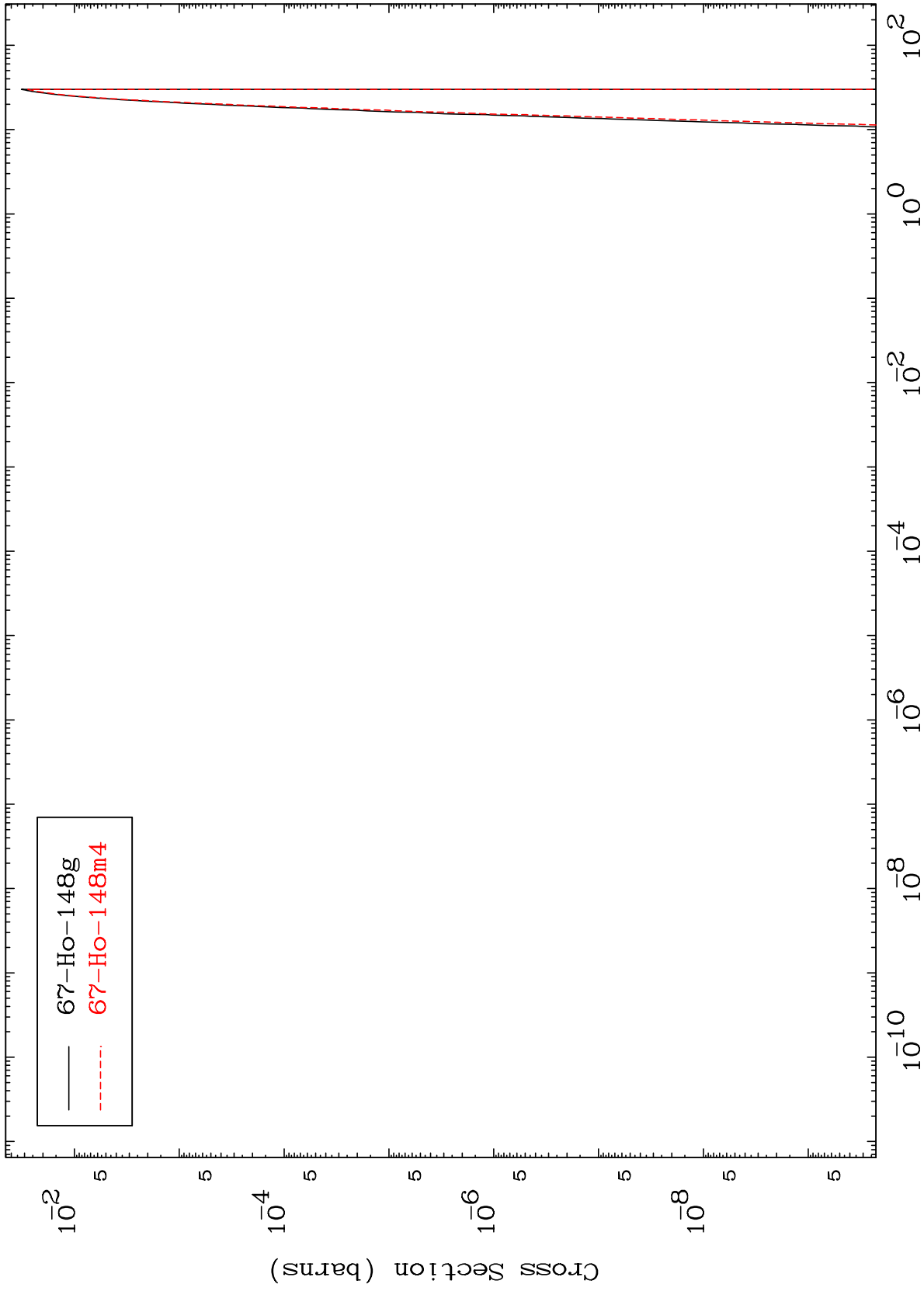
70-Yb-153

MAT 6980

(n,n') p  $\alpha$

70-Yb-153

Radionuclide Production Cross Section



45

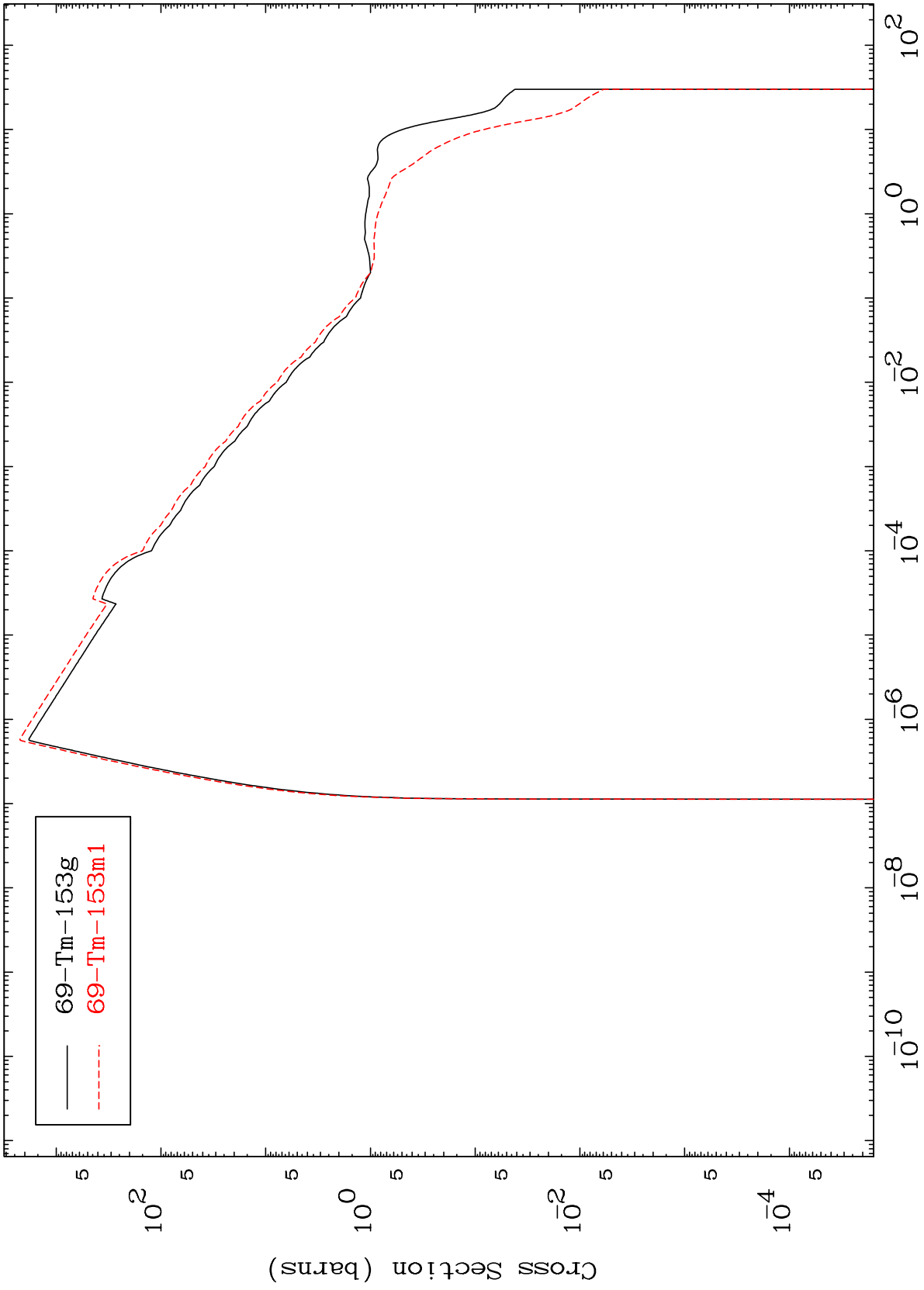
Incident Energy (MeV)

70-Yb-153

MAT 6980

70-Yb-153

Radionuclide Production Cross Section  
(n,p)



46

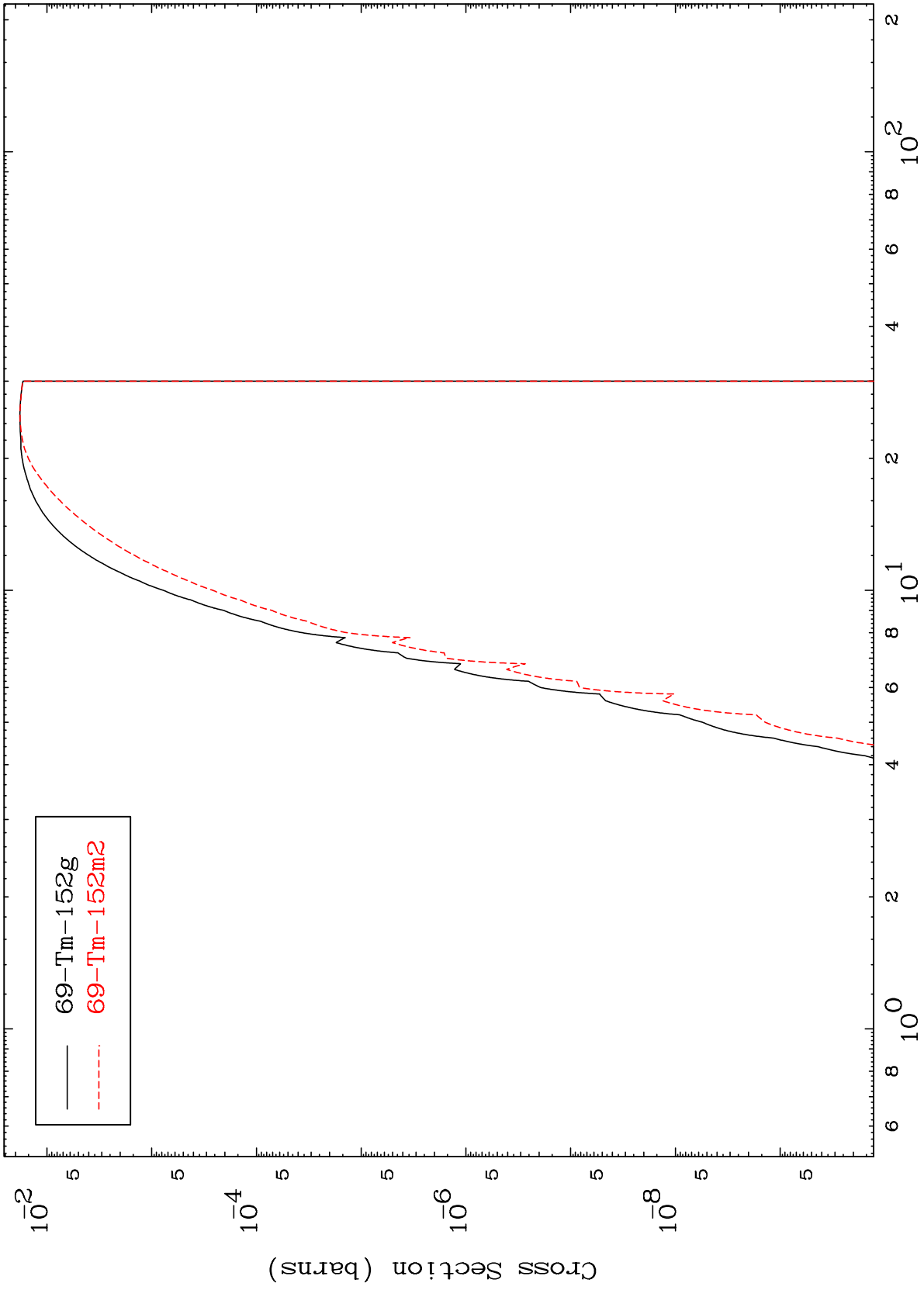
70-Yb-153

MAT 6980

(n,d)

70-Yb-153

Radionuclide Production Cross Section



47

Incident Energy (MeV)

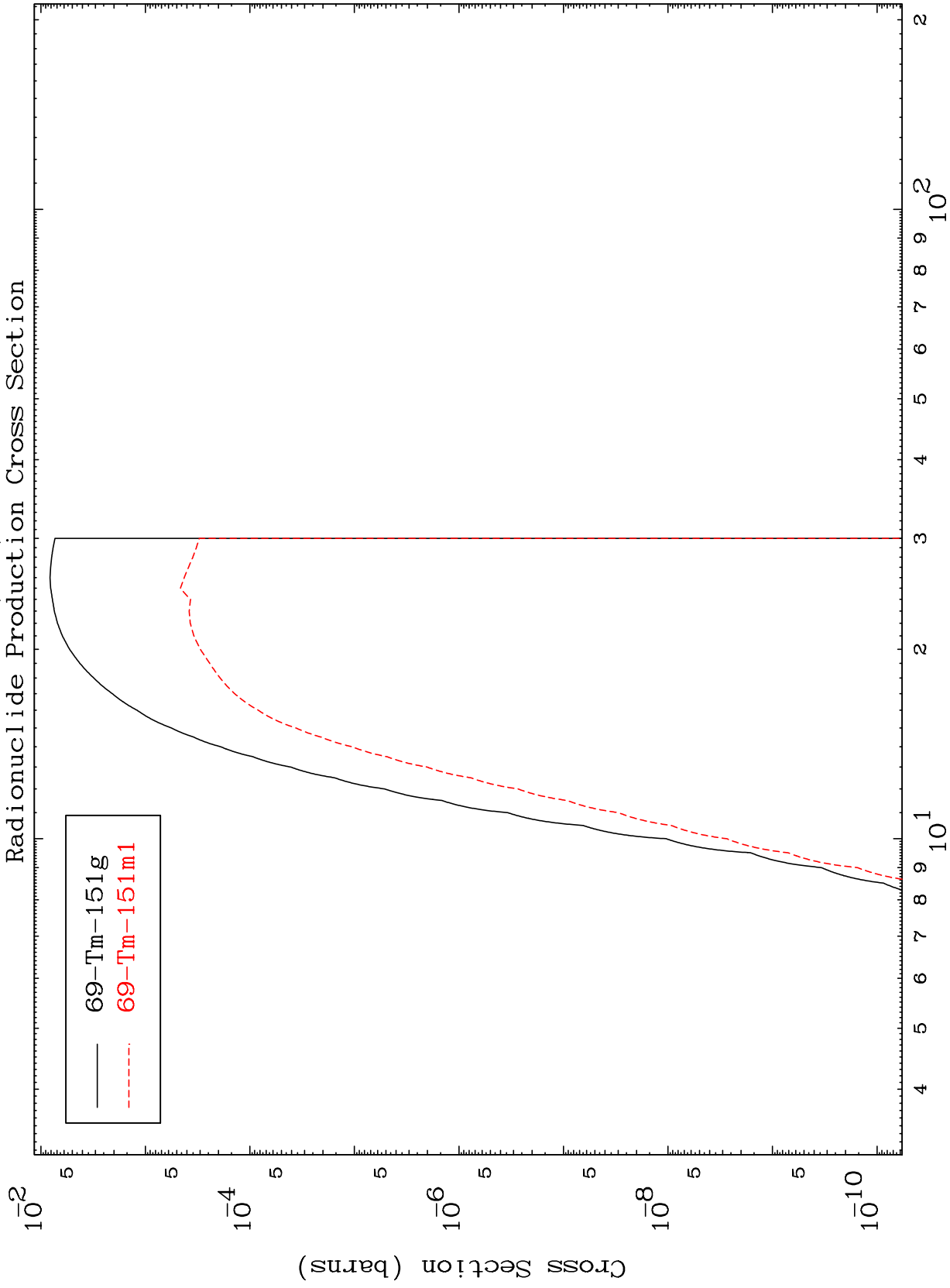
70-Yb-153



MAT 6980

(n, t)  
Radionuclide Production Cross Section

70-Yb-153



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

48

Incident Energy (MeV)

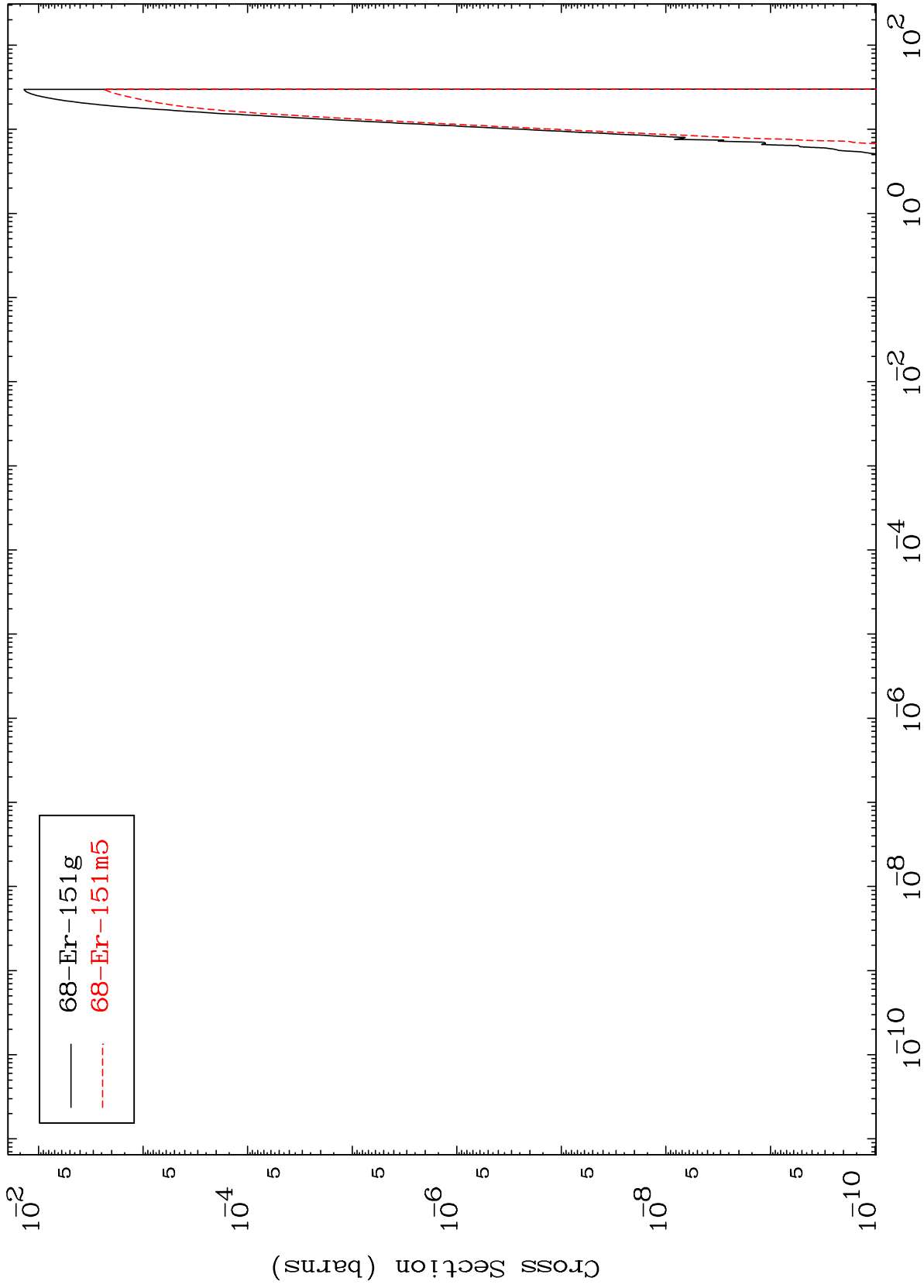
70-Yb-153

MAT 6980

(n, He-3)

70-Yb-153

Radionuclide Production Cross Section



49

Incident Energy (MeV)

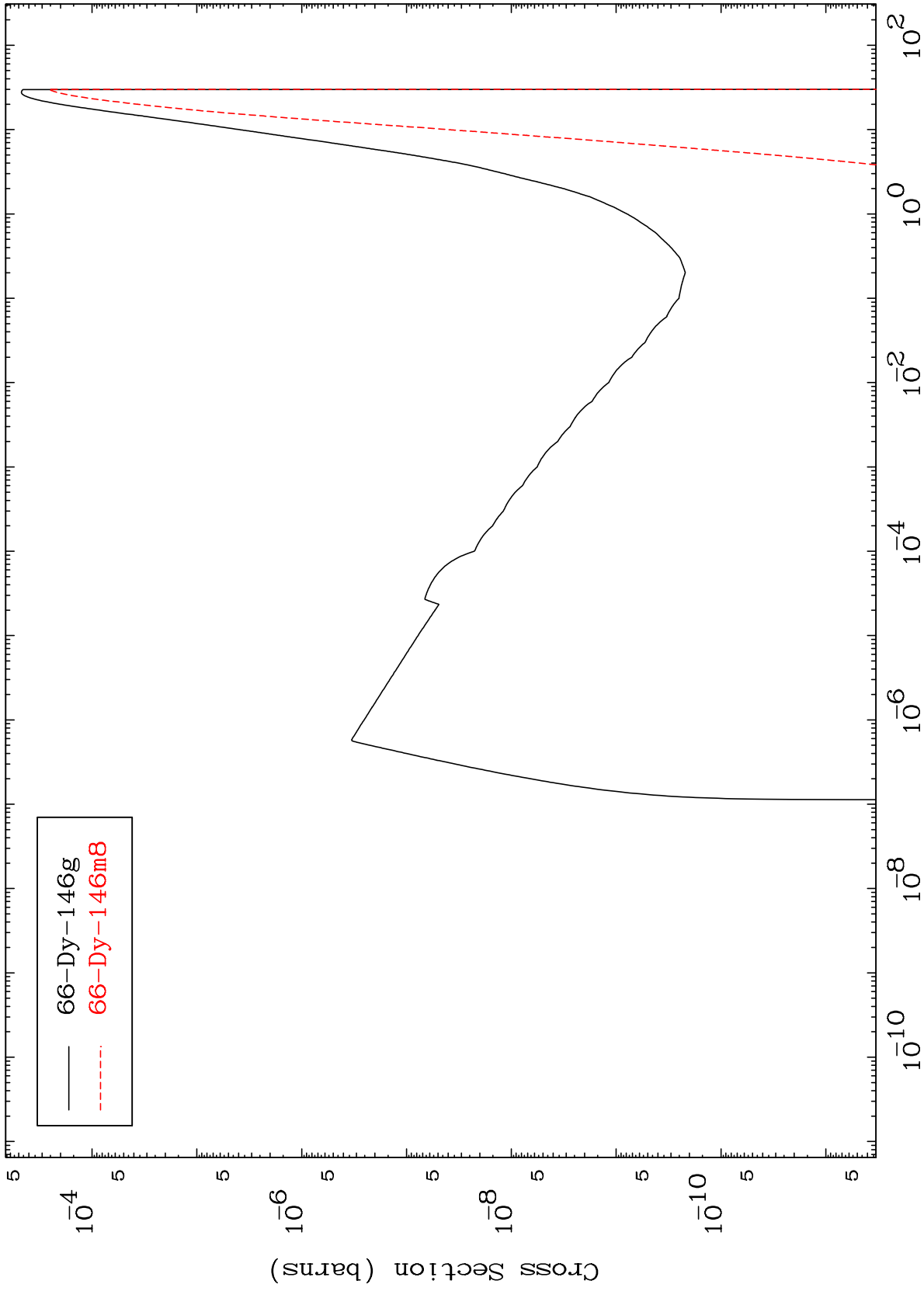
70-Yb-153

MAT 6980

(n,2α)

70-Yb-153

Radionuclide Production Cross Section



66-Dy-146g  
66-Dy-146m8

50

Incident Energy (MeV)

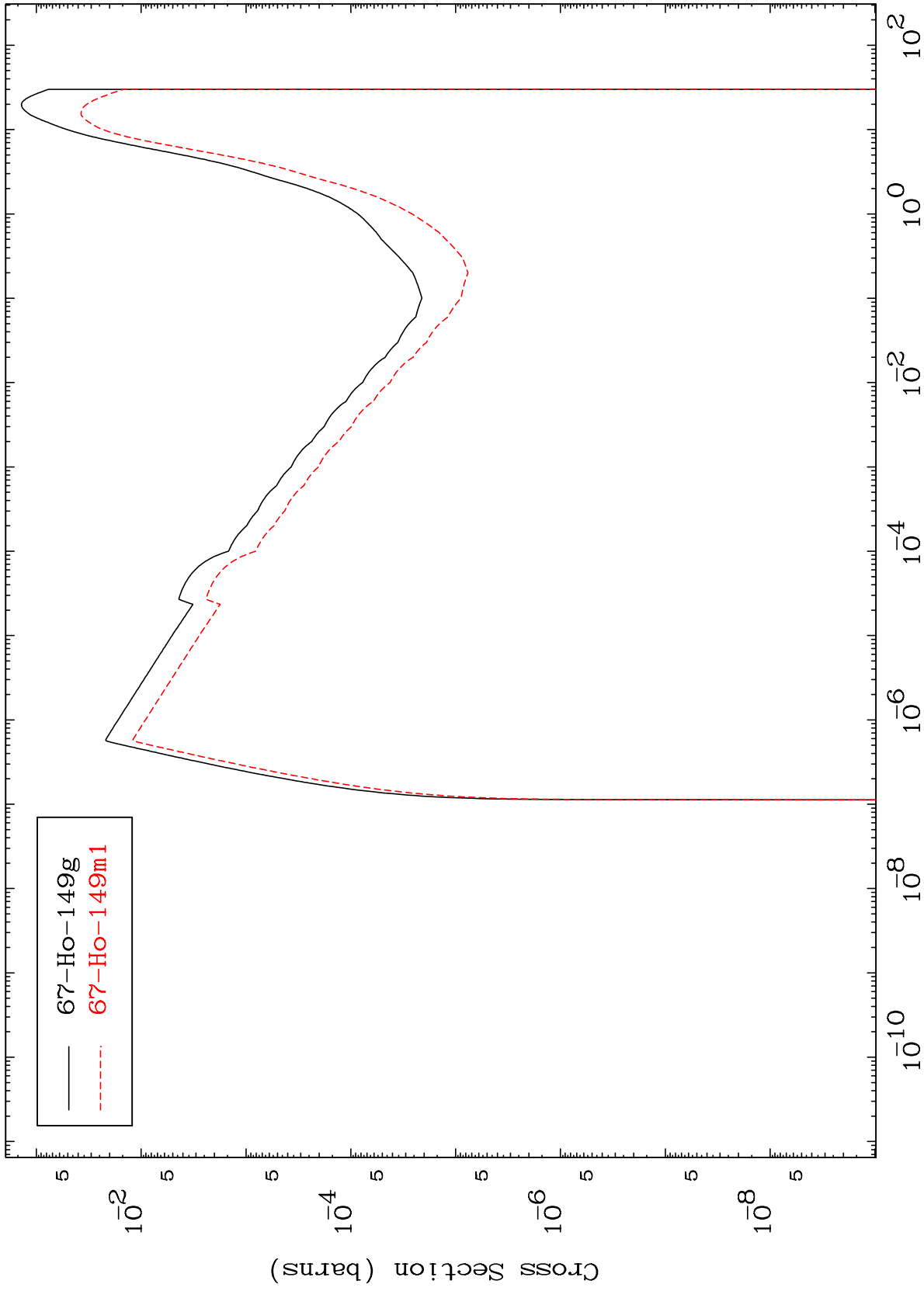
70-Yb-153

MAT 6980

(n,p)  $\alpha$

70-Yb-153

Radionuclide Production Cross Section

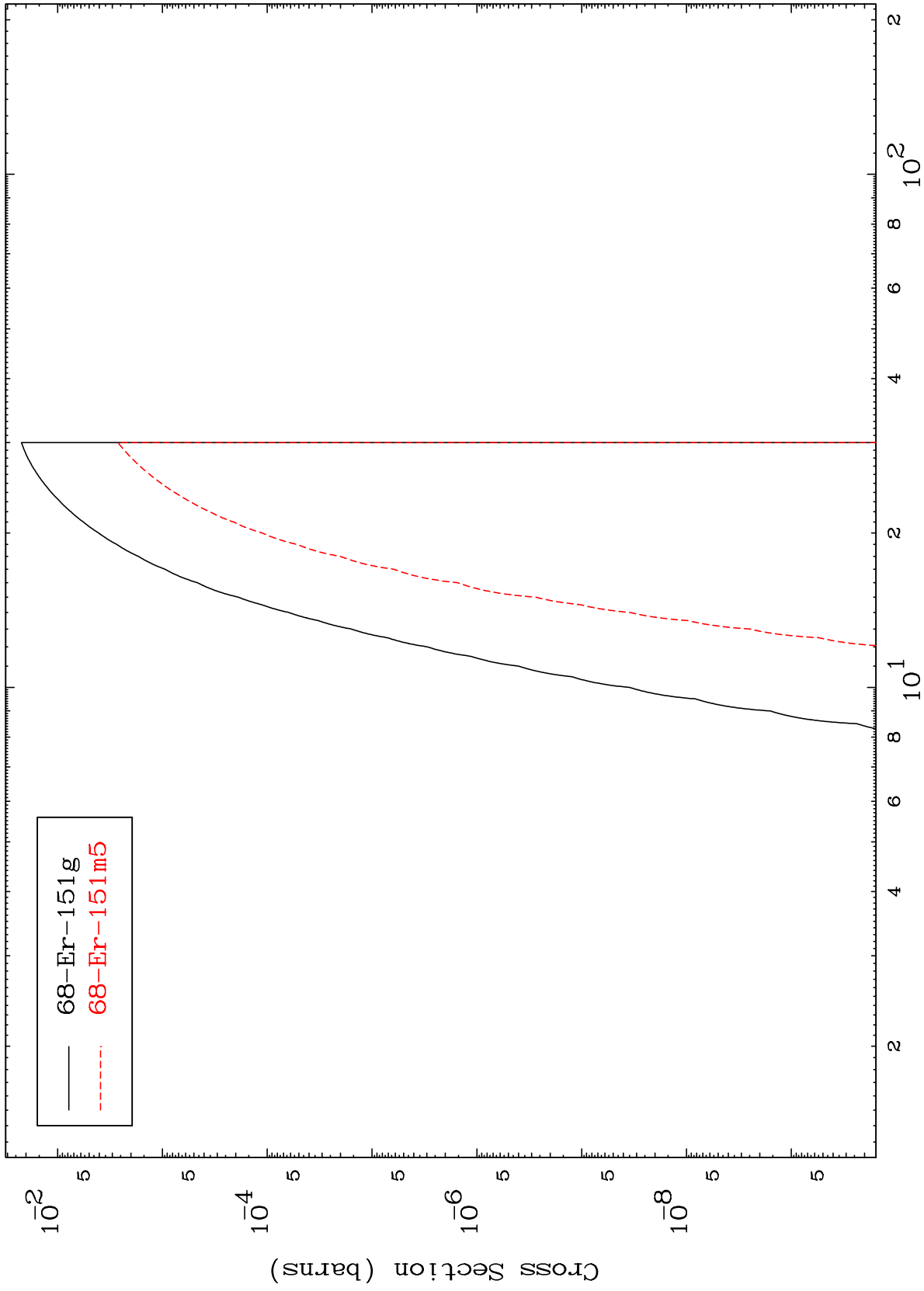


MAT 6980

(n,p) d

70-Yb-153

Radionuclide Production Cross Section



52

Incident Energy (MeV)

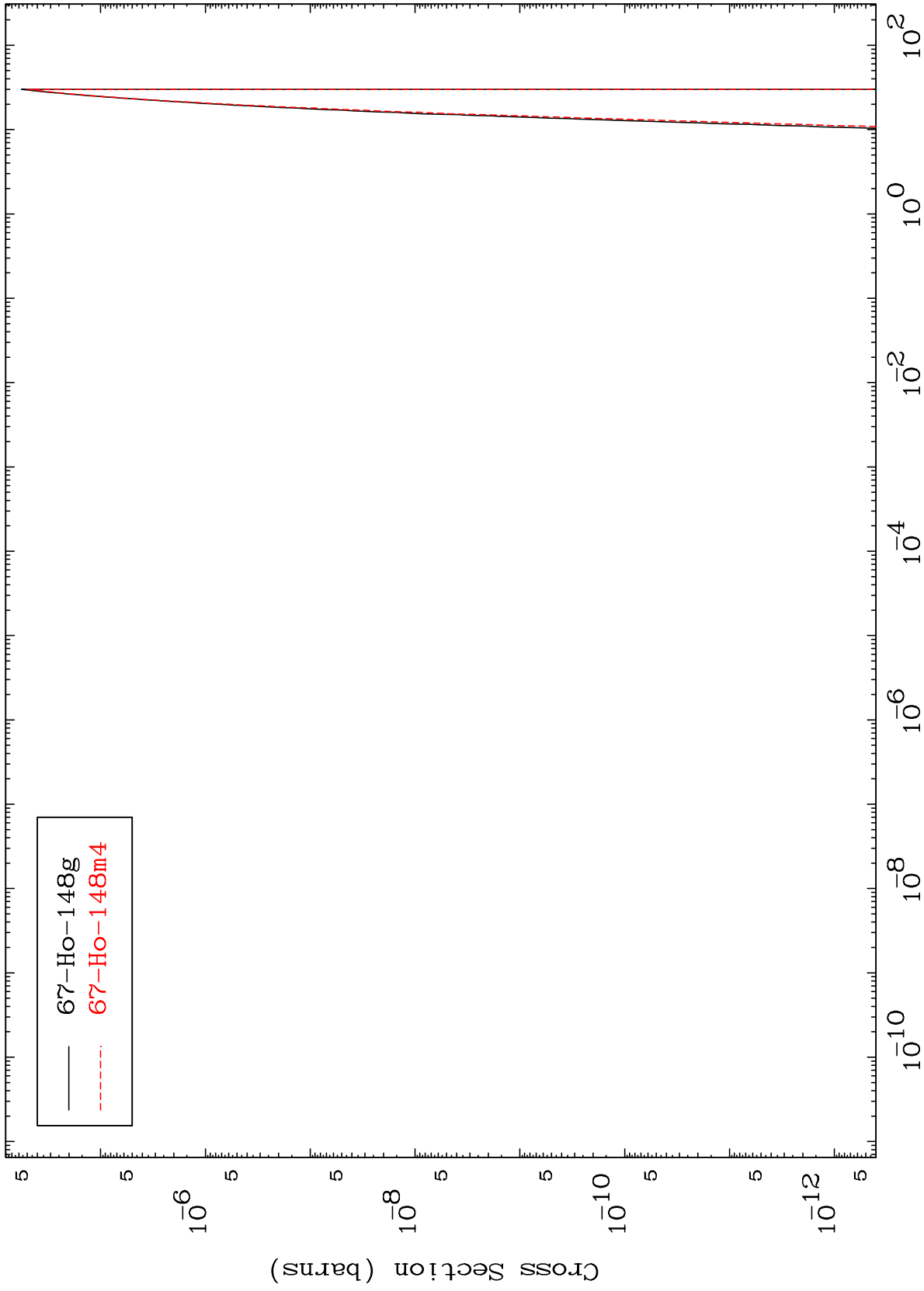
70-Yb-153

MAT 6980

(n,d)  $\alpha$

70-Yb-153

Radionuclide Production Cross Section



53

Incident Energy (MeV)

70-Yb-153