

Program EVALPLOT  
(Version 2018-1)

by

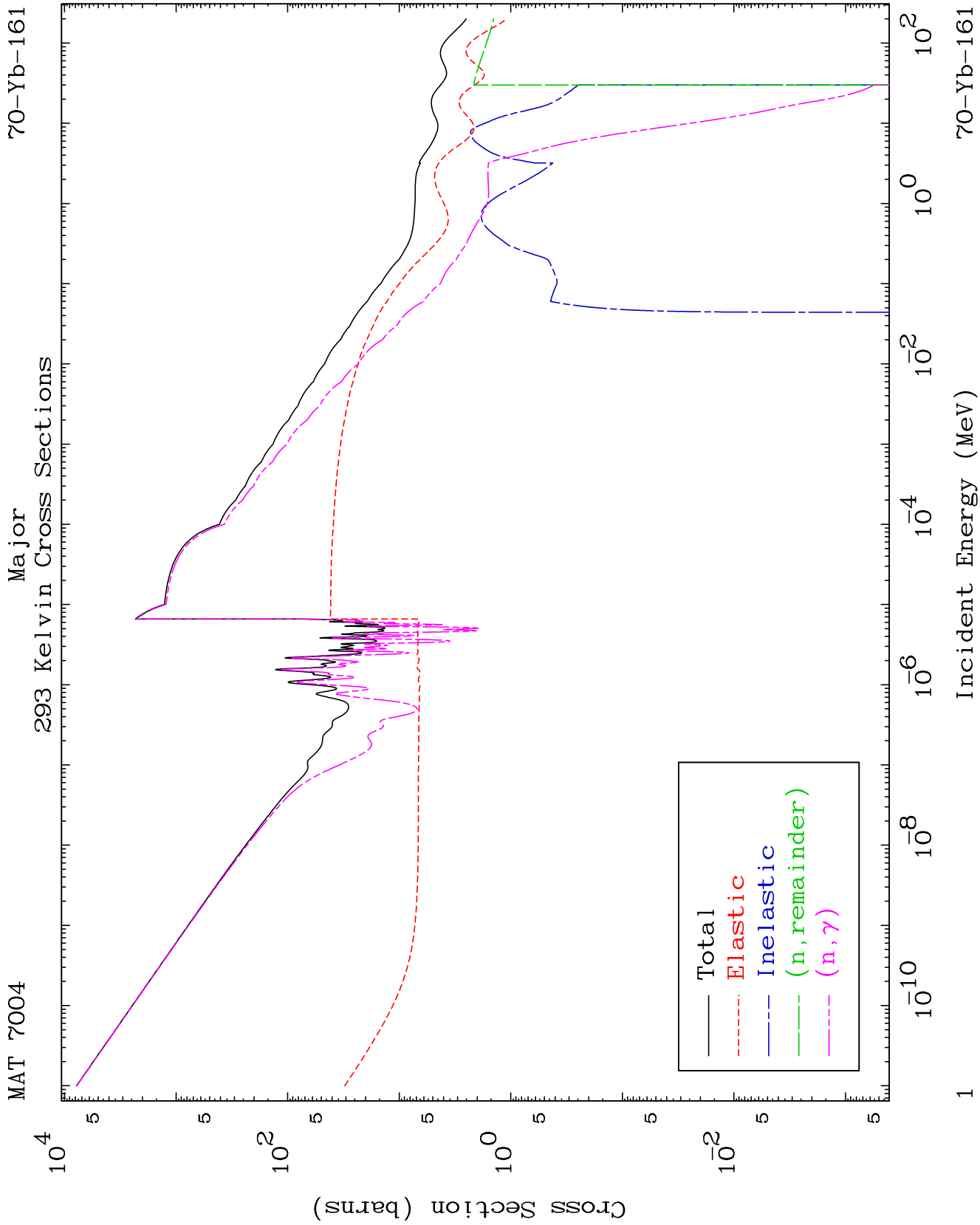
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(Present Contact Information)

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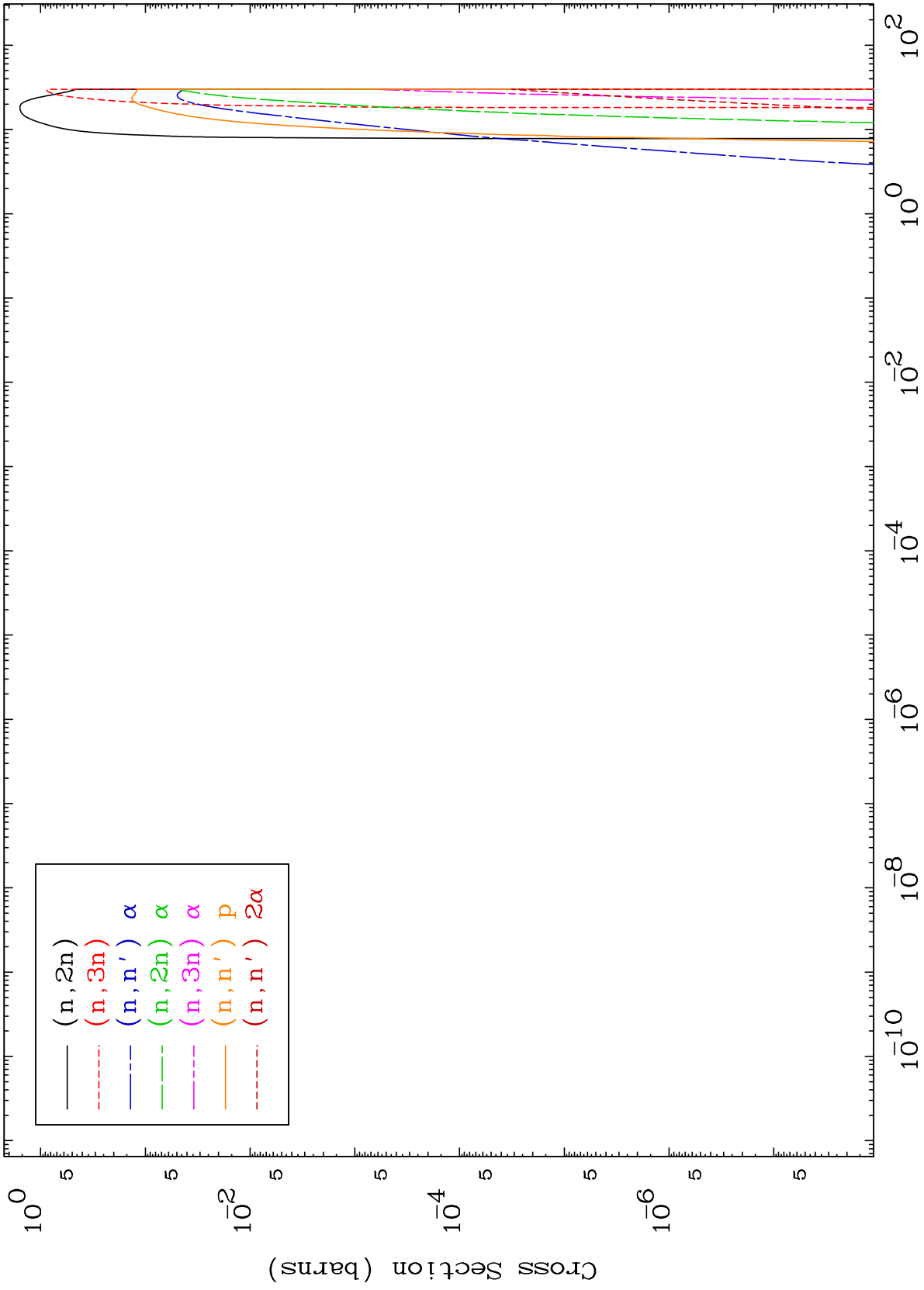
Press Mouse Button to Start



MAT 7004

Neutron Production  
293 Kelvin Cross Sections

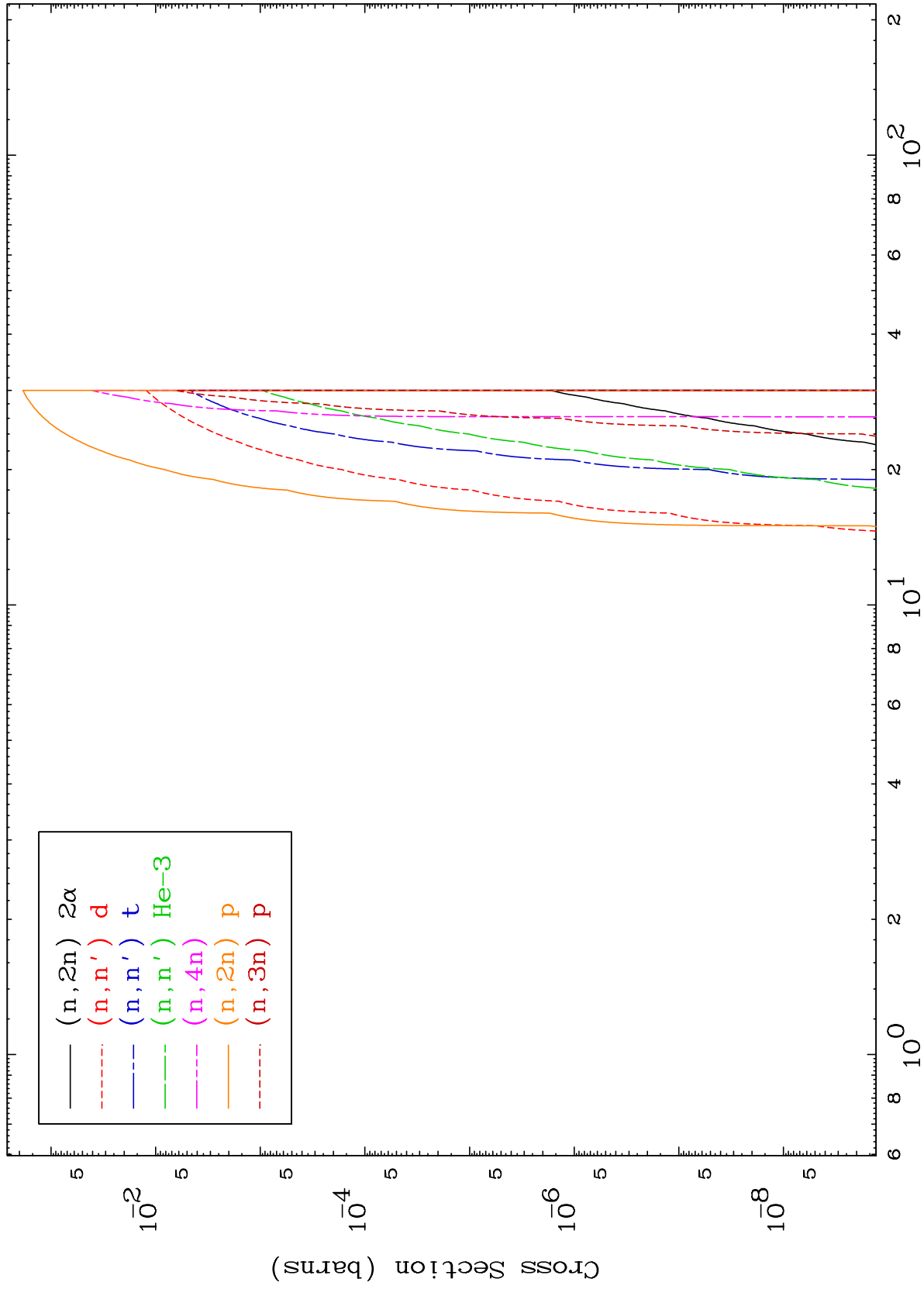
70-Yb-161



MAT 7004

Neutron Production  
293 Kelvin Cross Sections

70-Yb-161



3

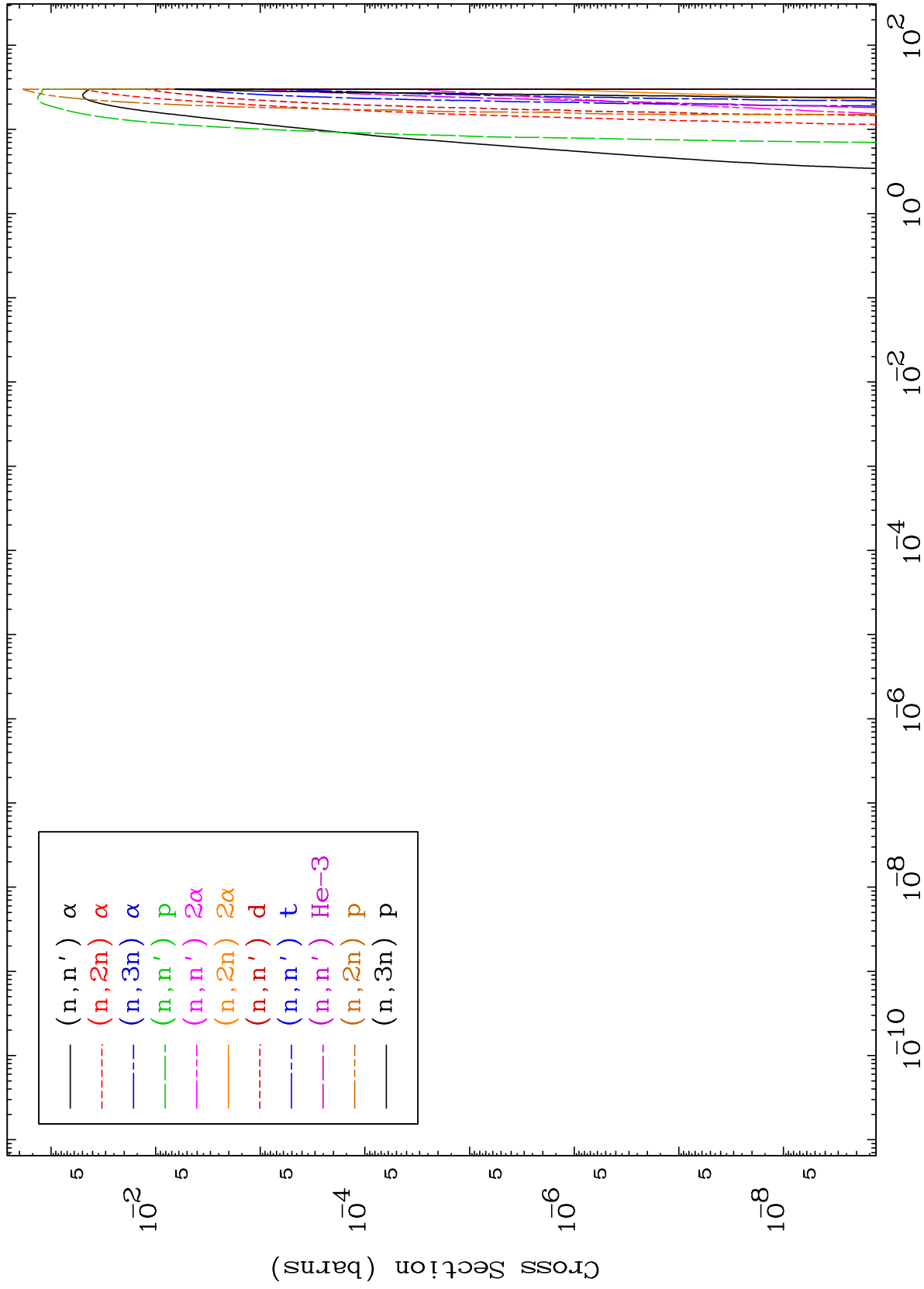
Incident Energy (MeV)

70-Yb-161

MAT 7004

293 Charged Particle  
Kelvin Cross Sections

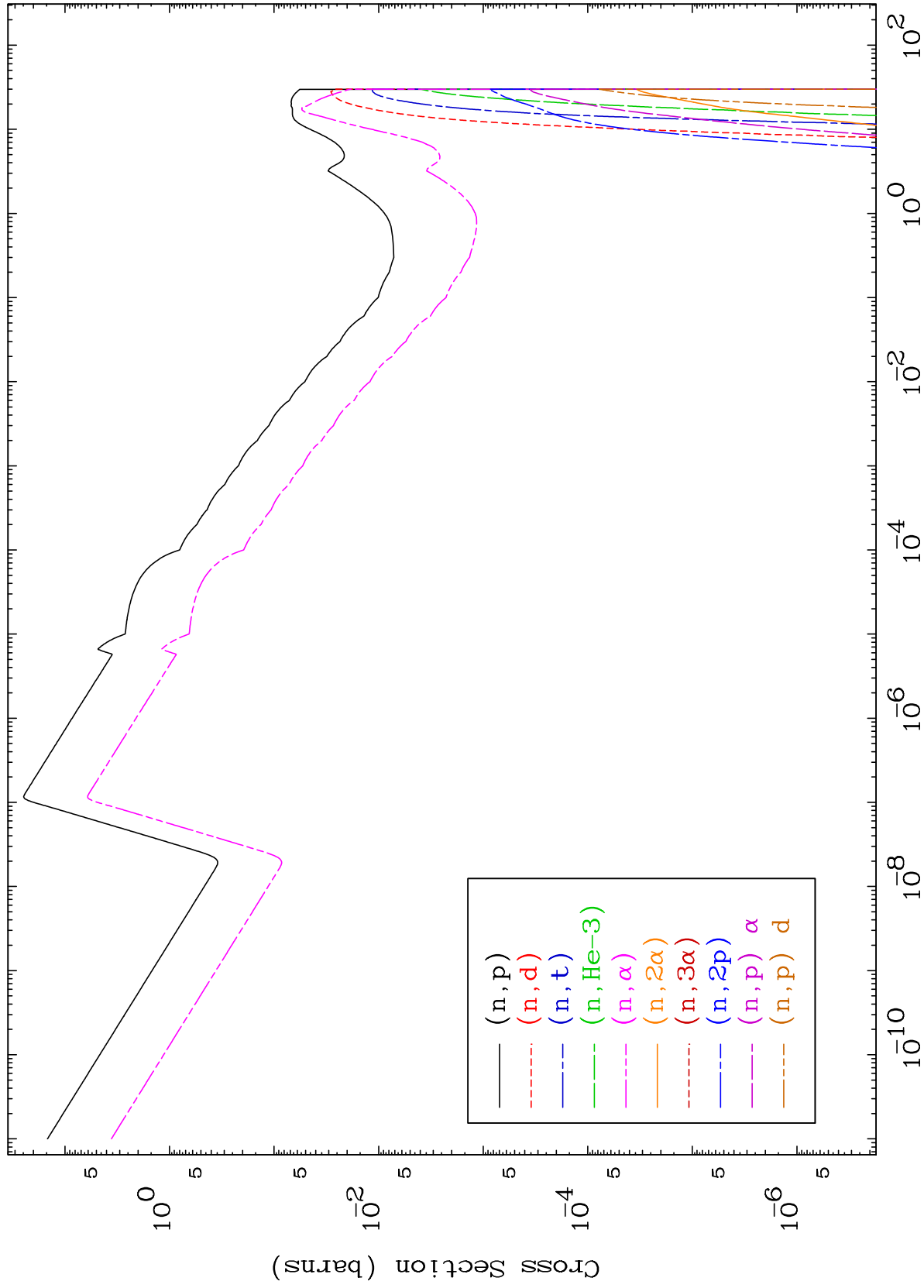
70-Yb-161



MAT 7004

293 Kelvin Cross Sections

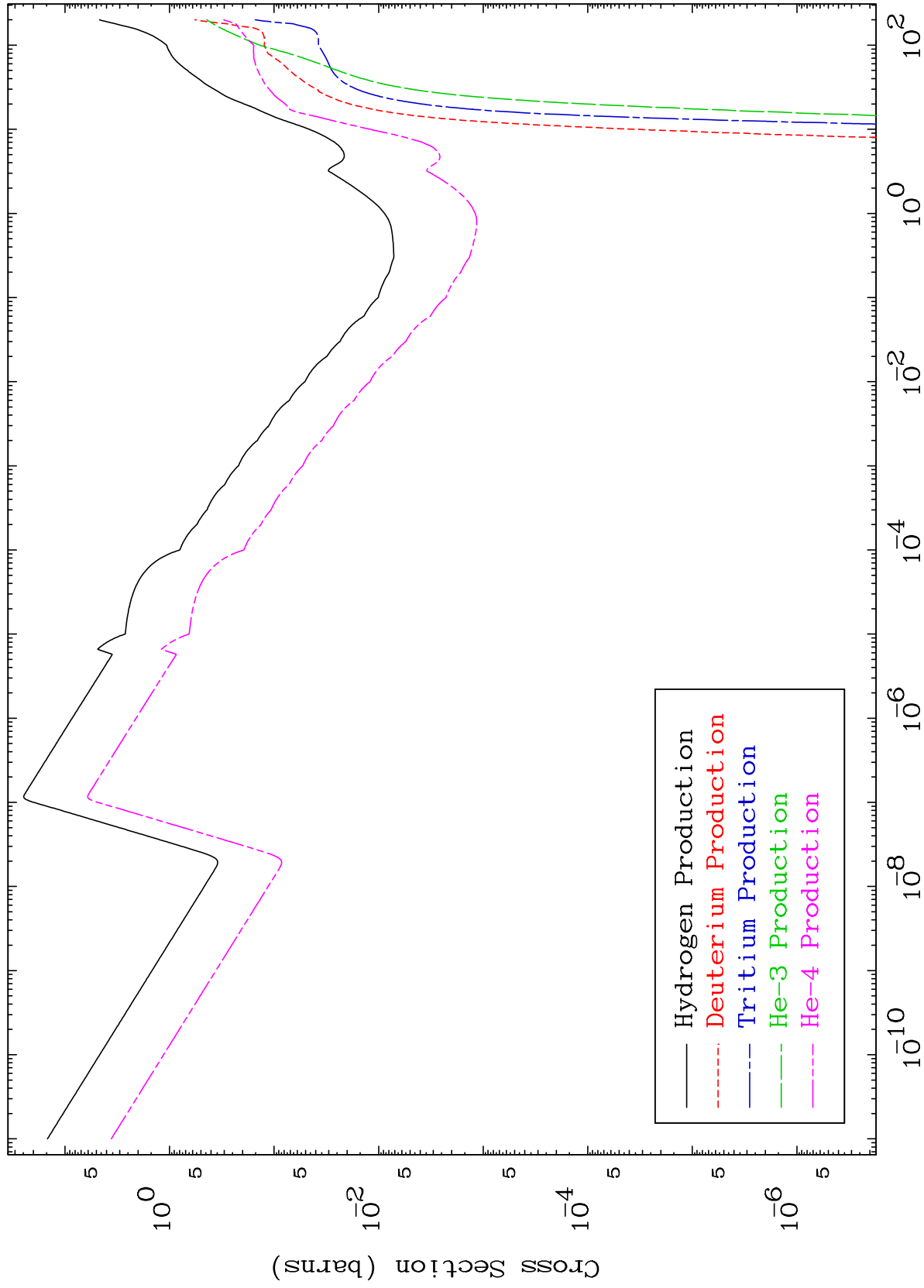
70-Yb-161

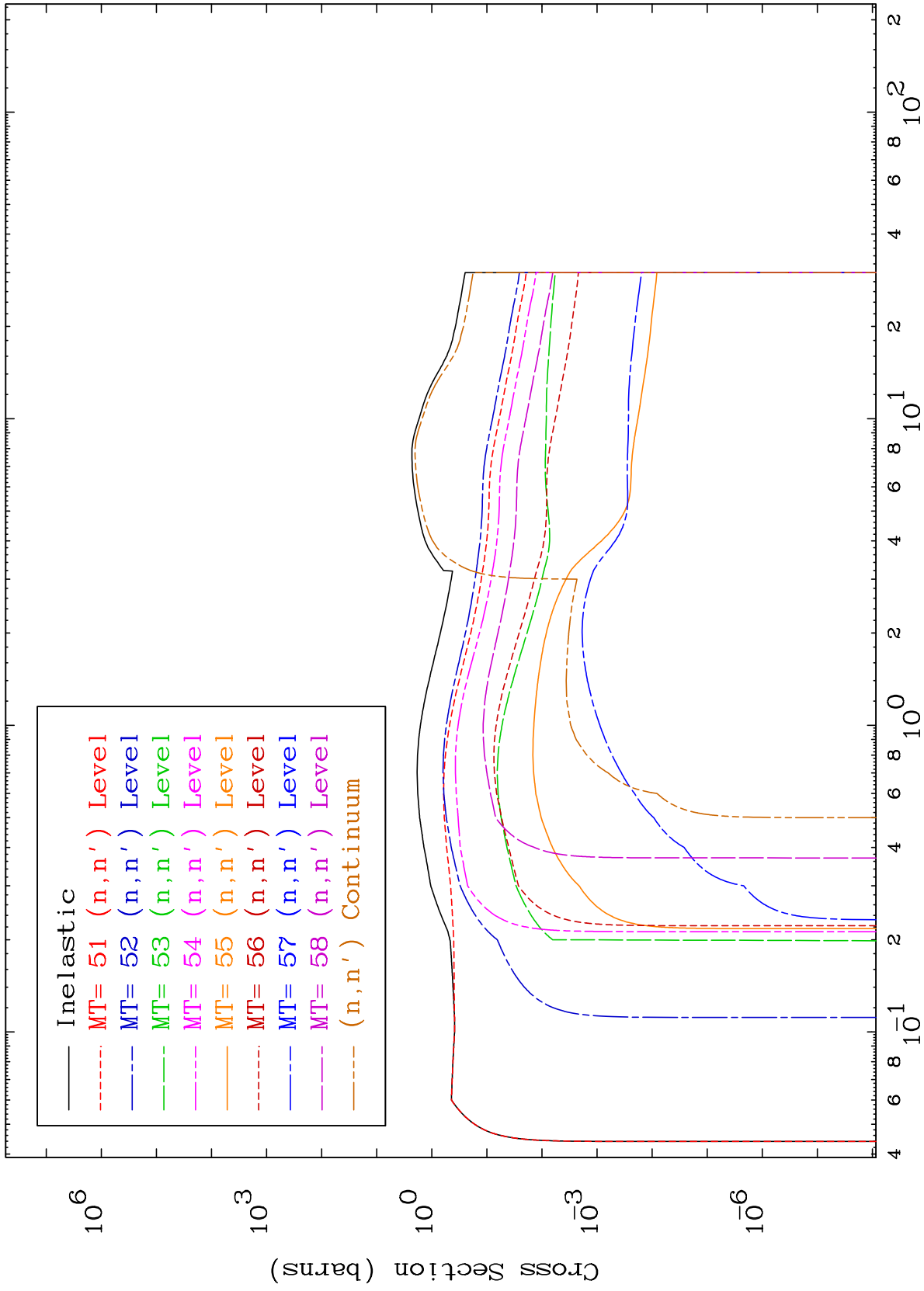


MAT 7004

Particle Production  
293 Kelvin Cross Sections

70-Yb-161



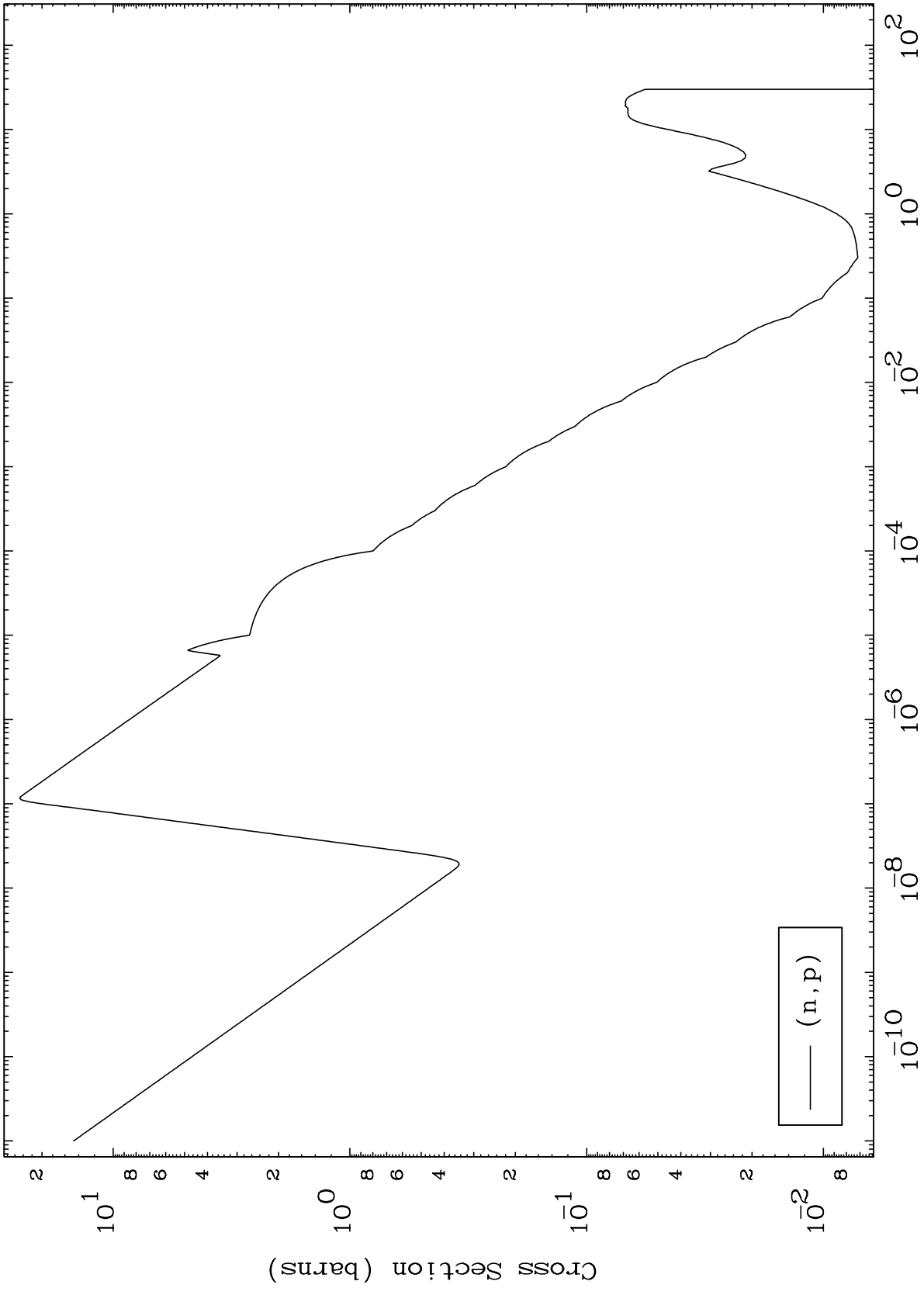




MAT 7004

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-161

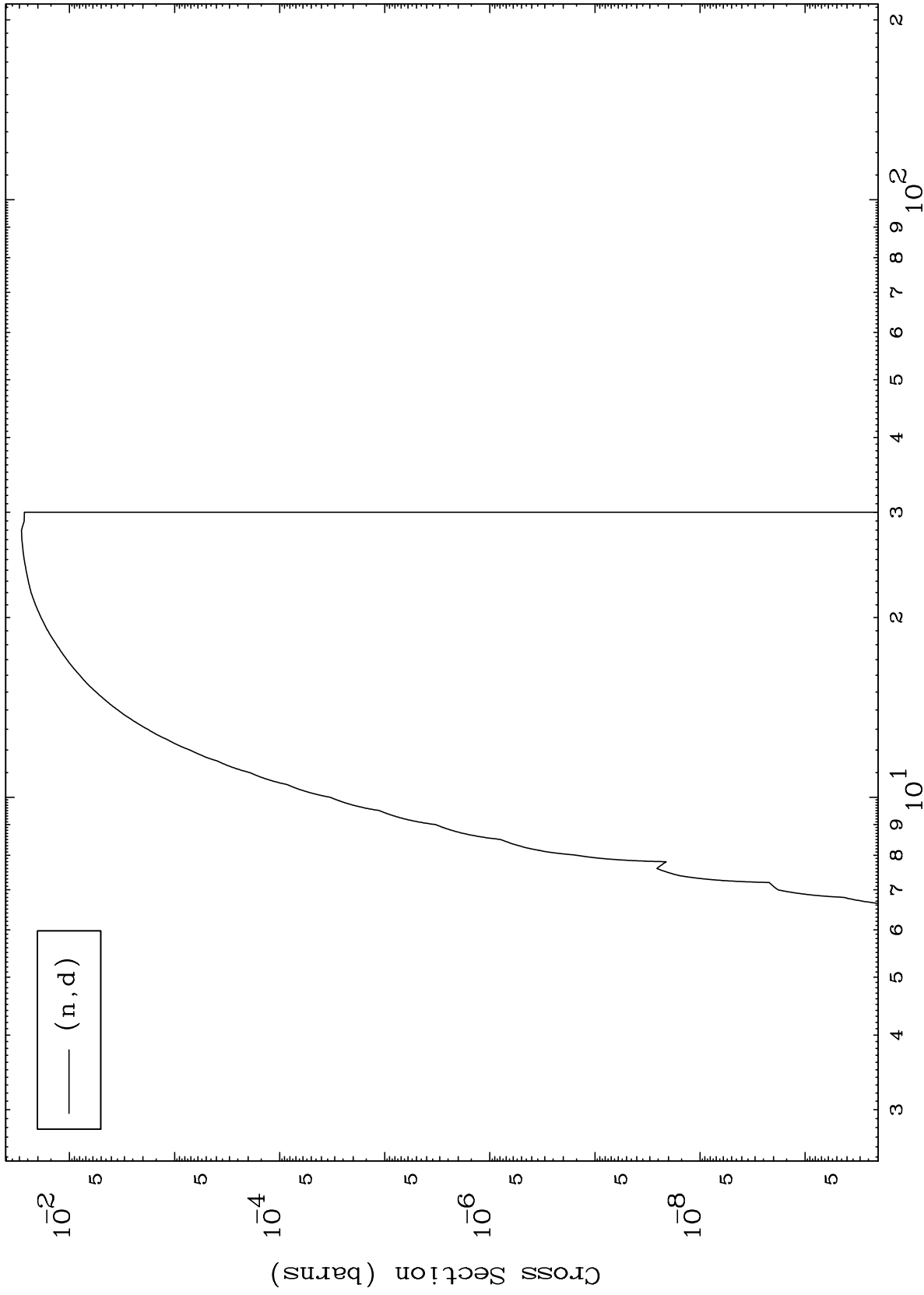


70-Yb-161

MAT 7004

(n,d) Levels  
293 Kelvin Cross Sections

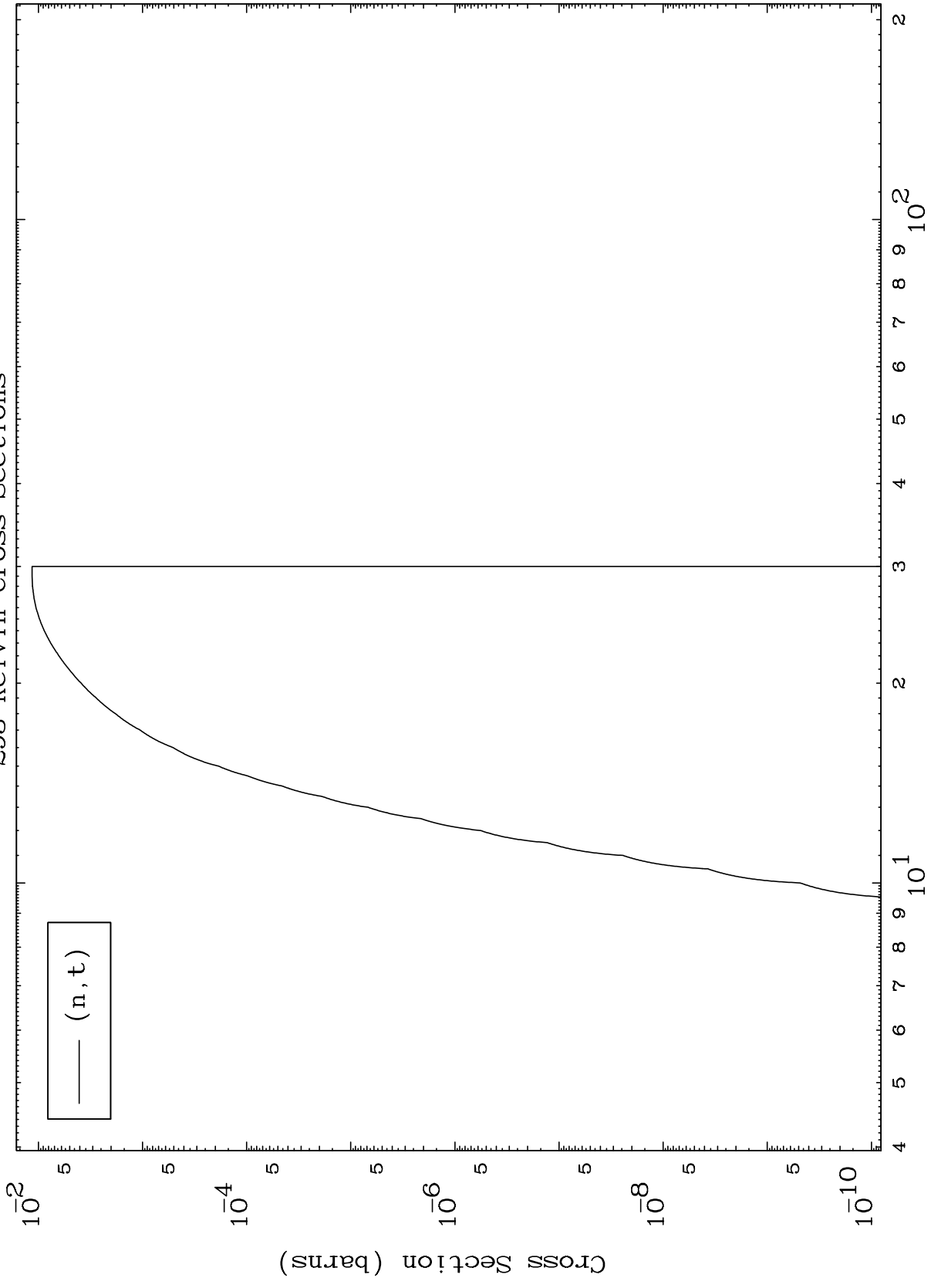
70-Yb-161



MAT 7004

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-161



10

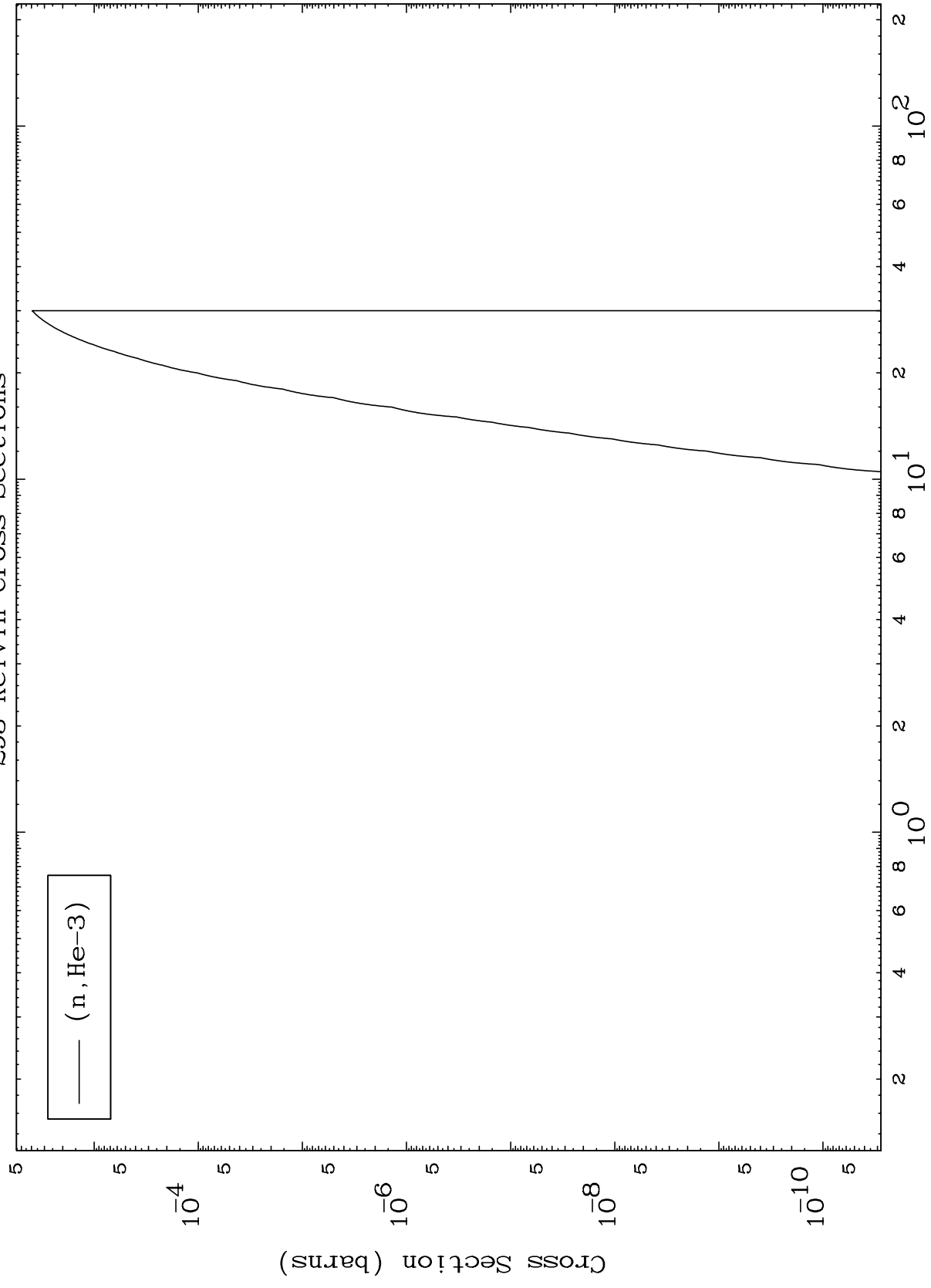
Incident Energy (MeV)

70-Yb-161

MAT 7004

(n,He3) Levels  
293 Kelvin Cross Sections

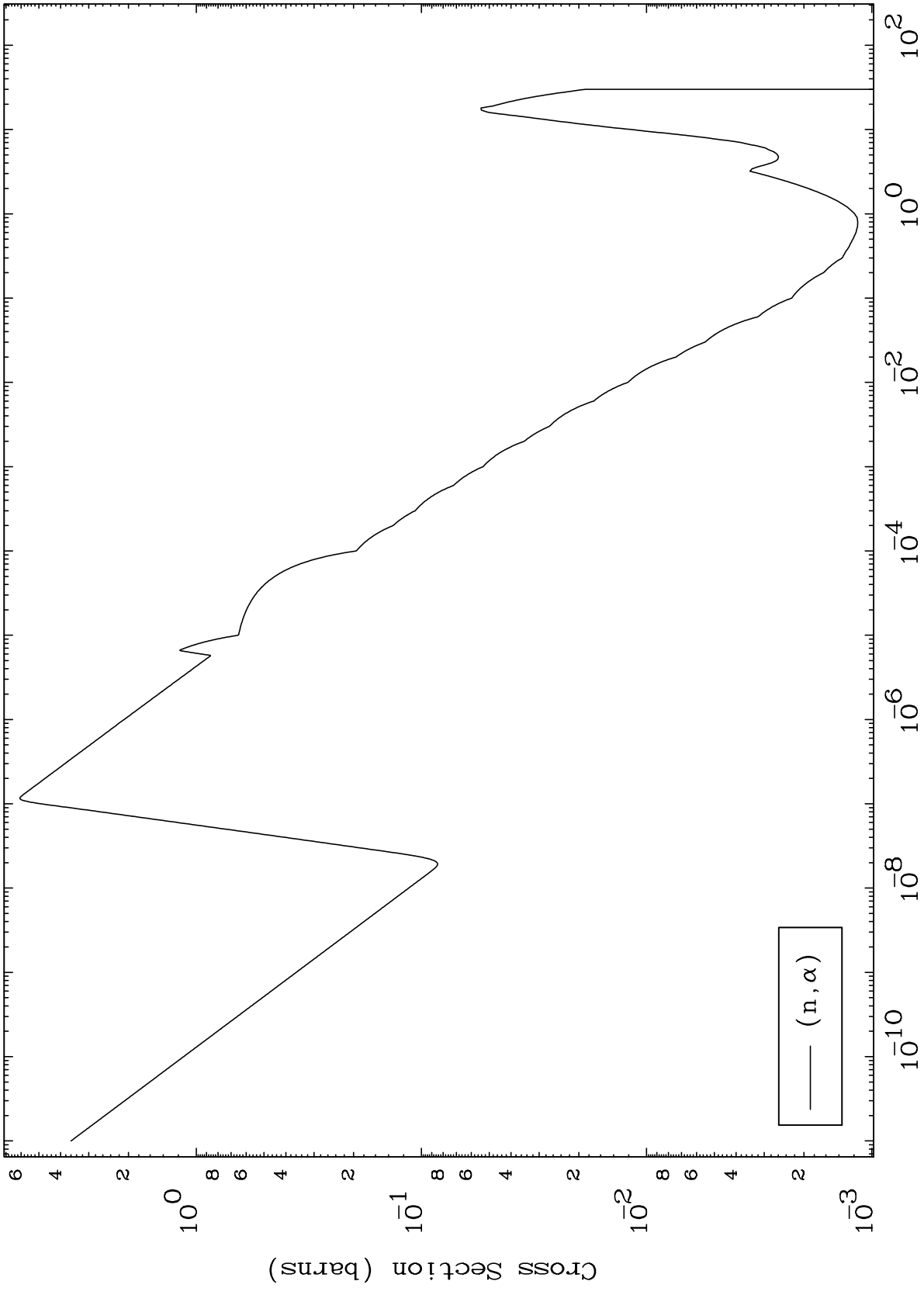
70-Yb-161



MAT 7004

(n,α) Levels  
293 Kelvin Cross Sections

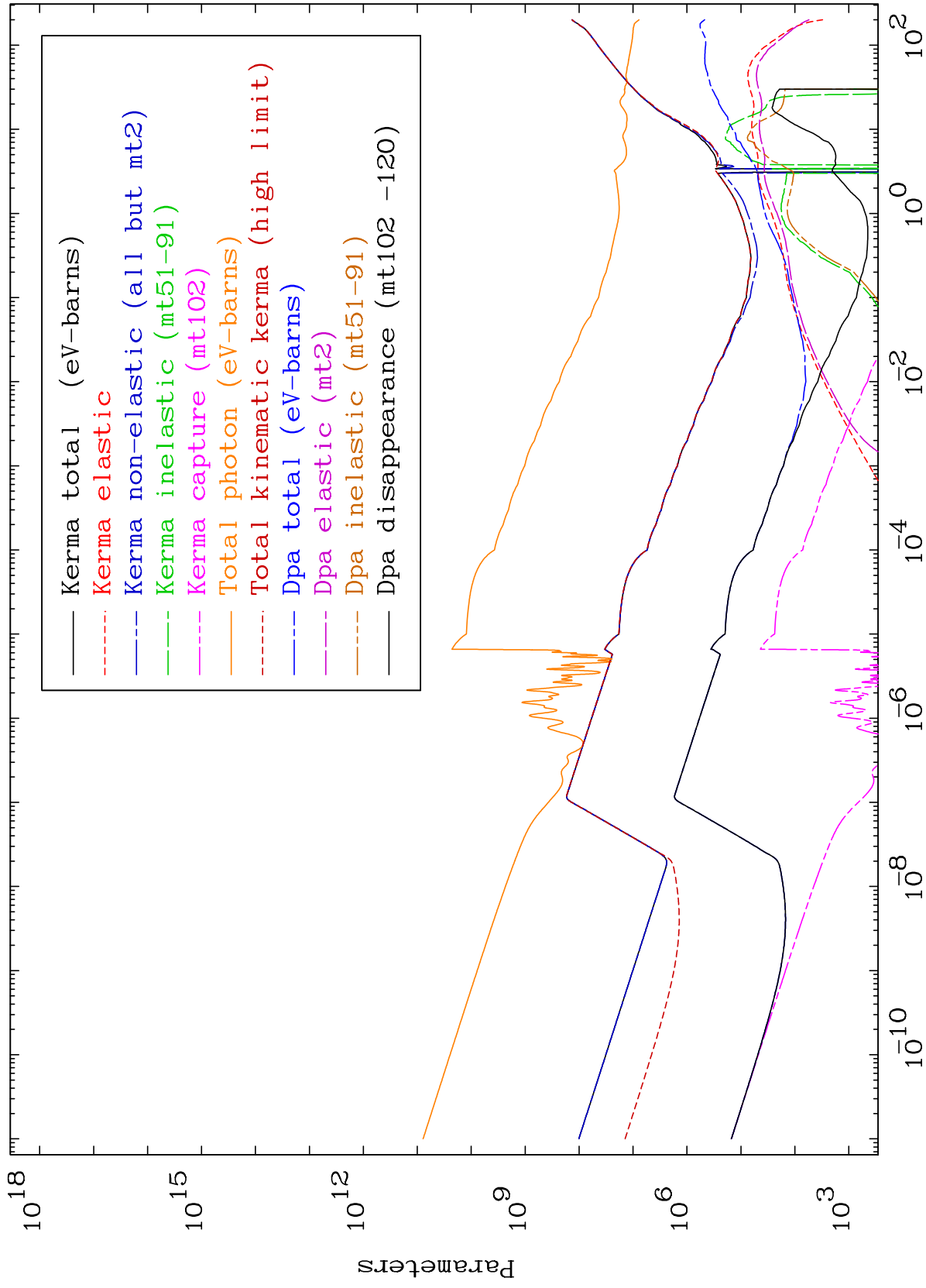
70-Yb-161

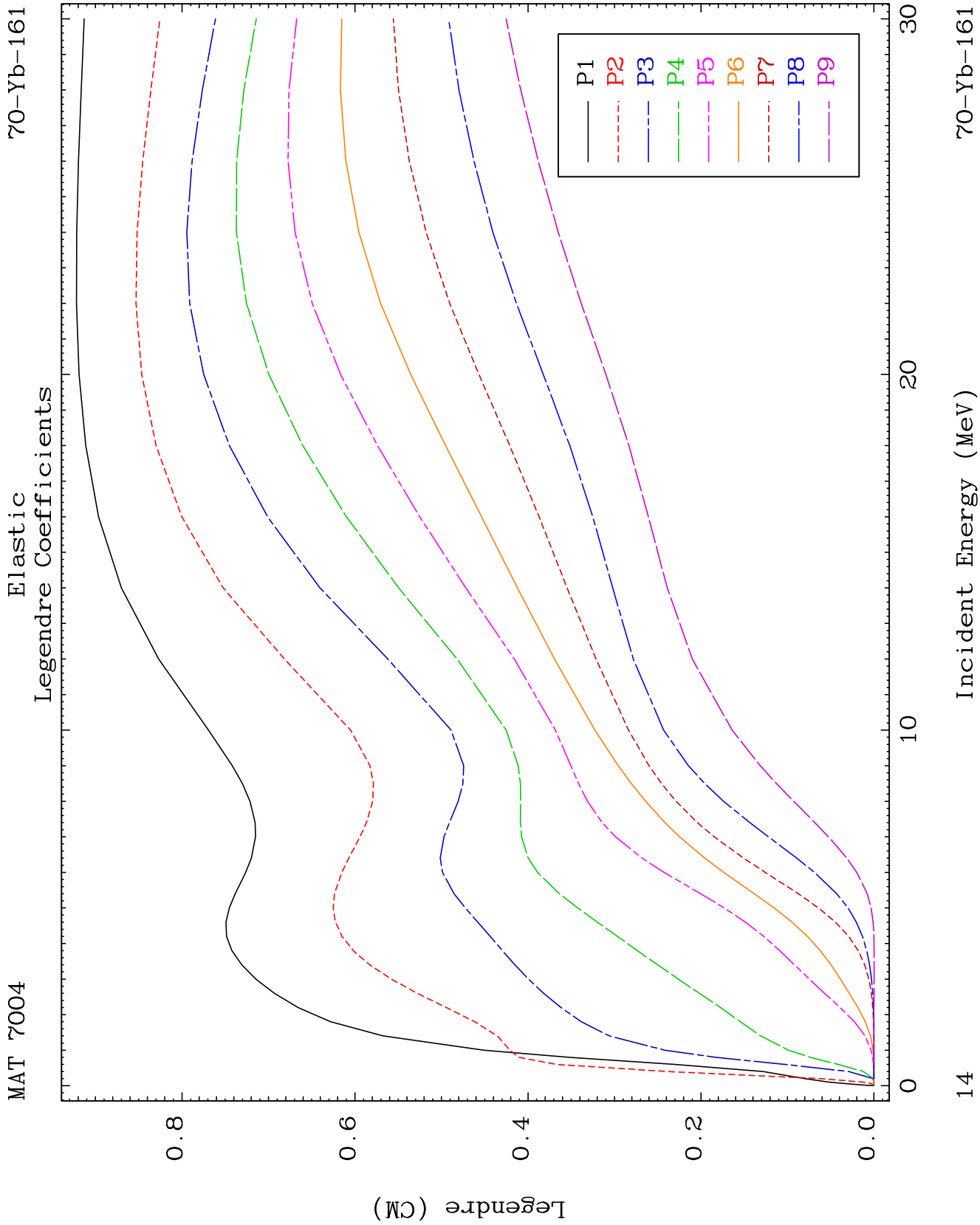


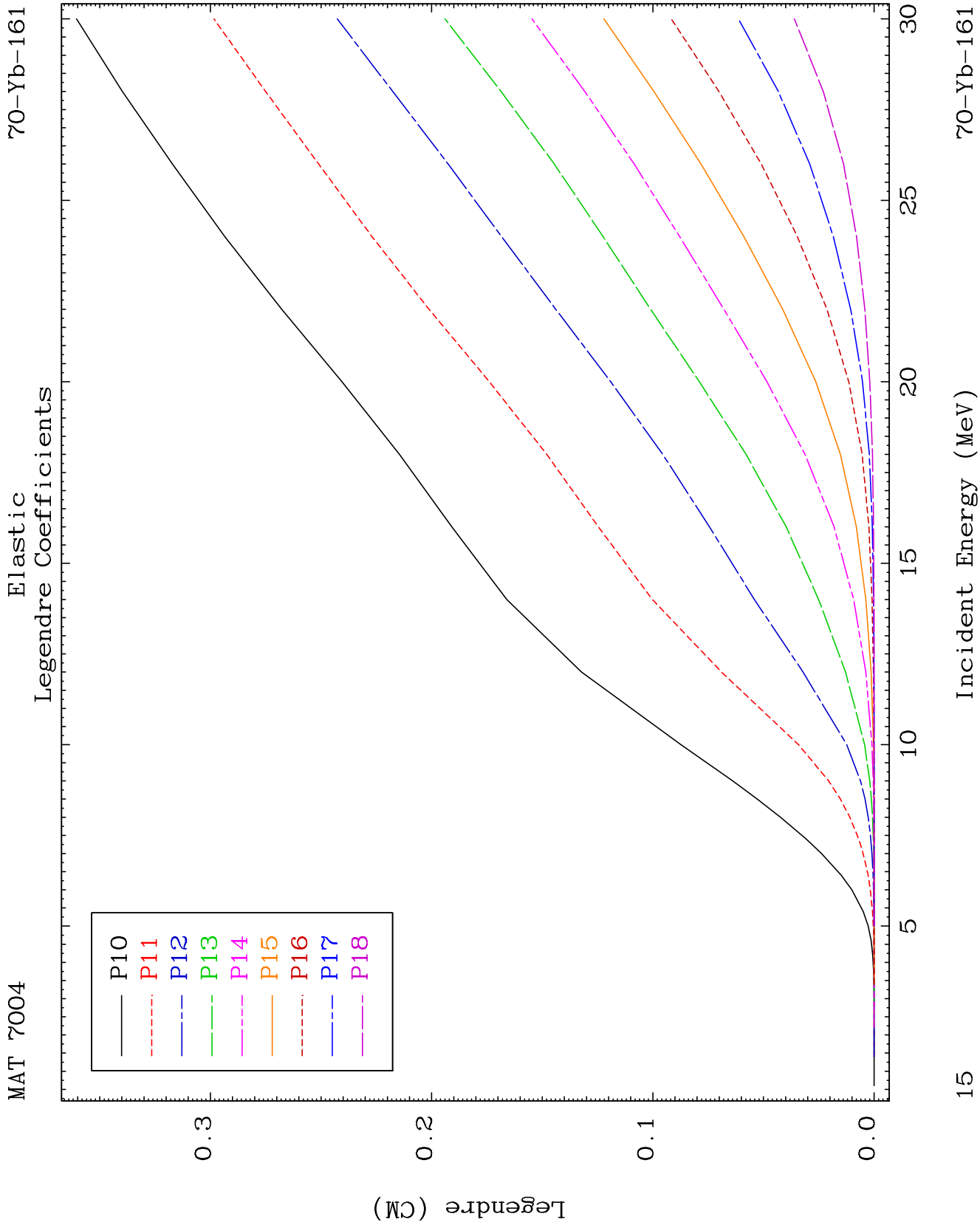
12

Incident Energy (MeV)

70-Yb-161





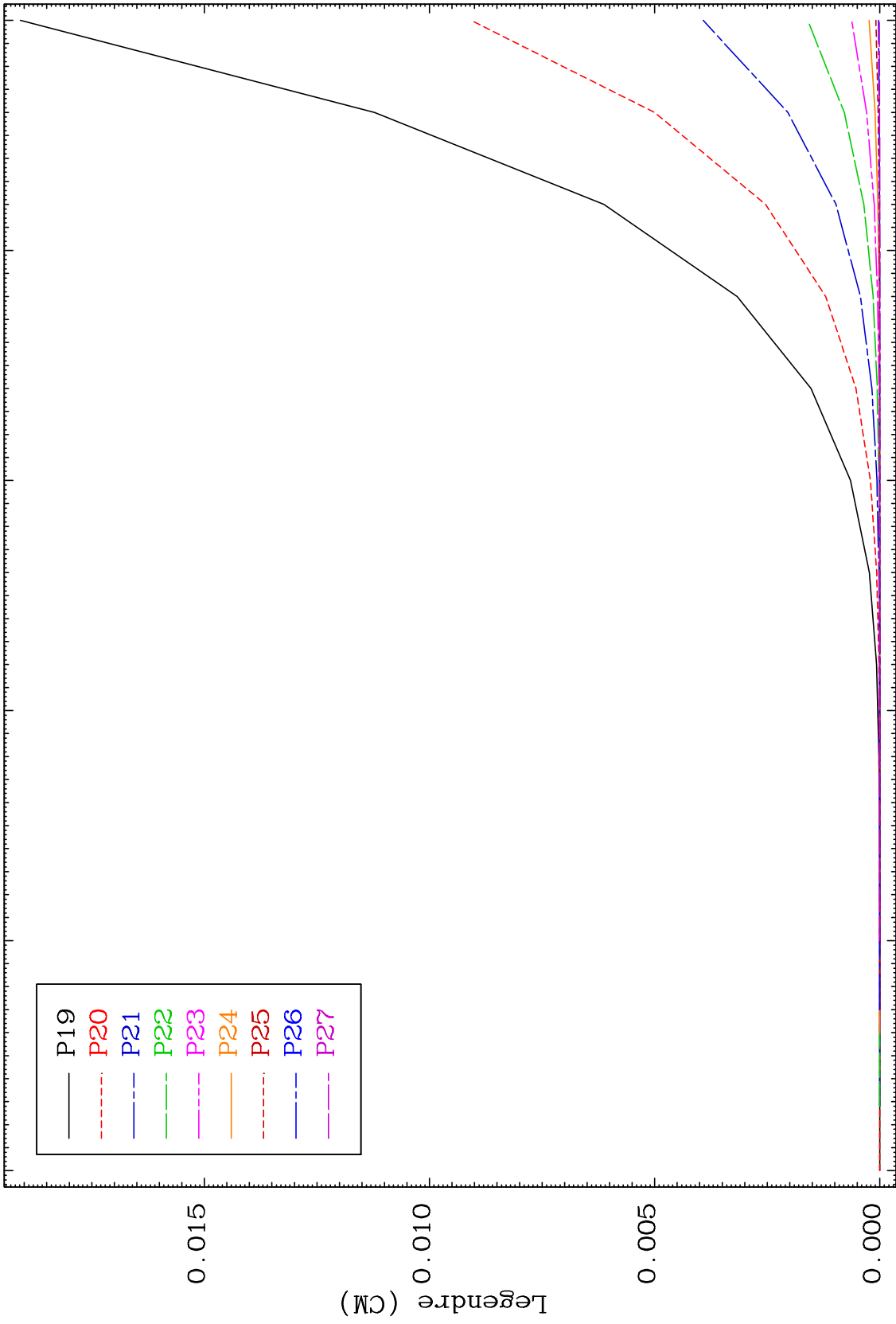




MAT 7004

Elastic Legendre Coefficients

70-Yb-161



70-Yb-161

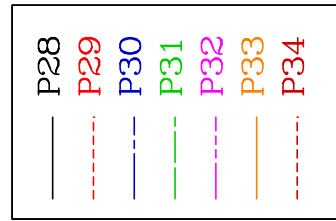
Incident Energy (MeV)

16

MAT 7004

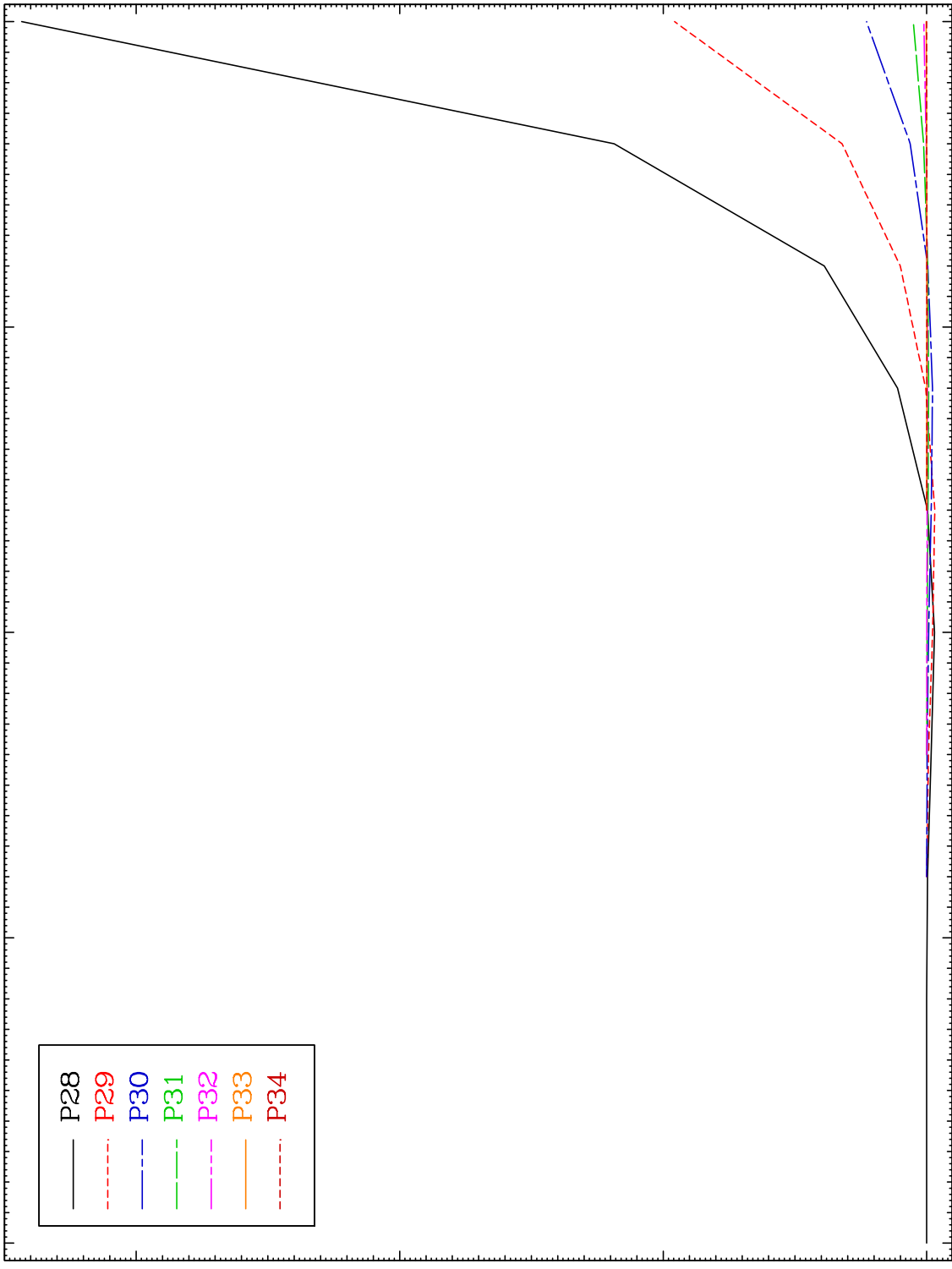
Elastic Legendre Coefficients

70-Yb-161



$\times 10^{-6}$

Legendre (CM)



10

15

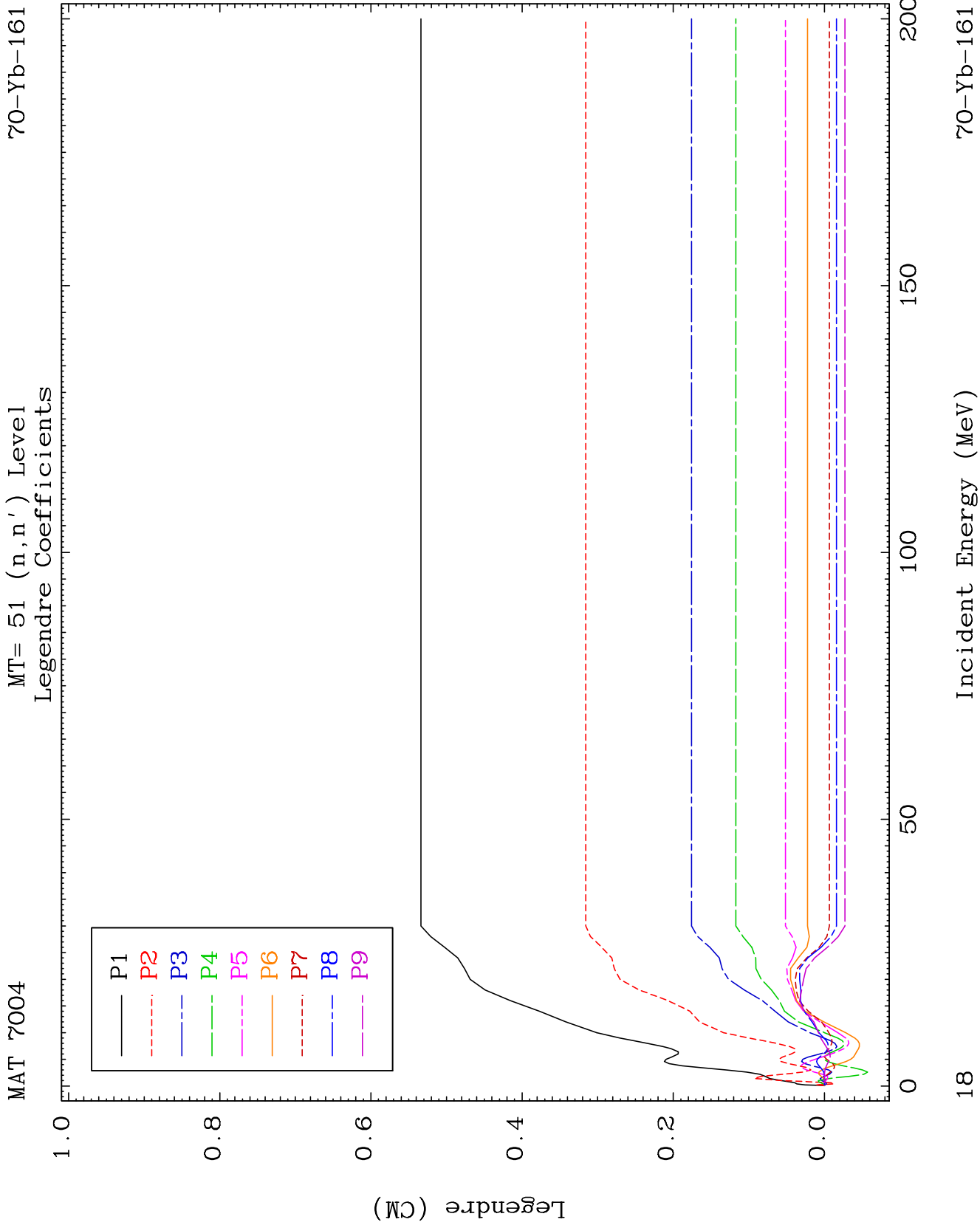
20

25

30

Incident Energy (MeV)

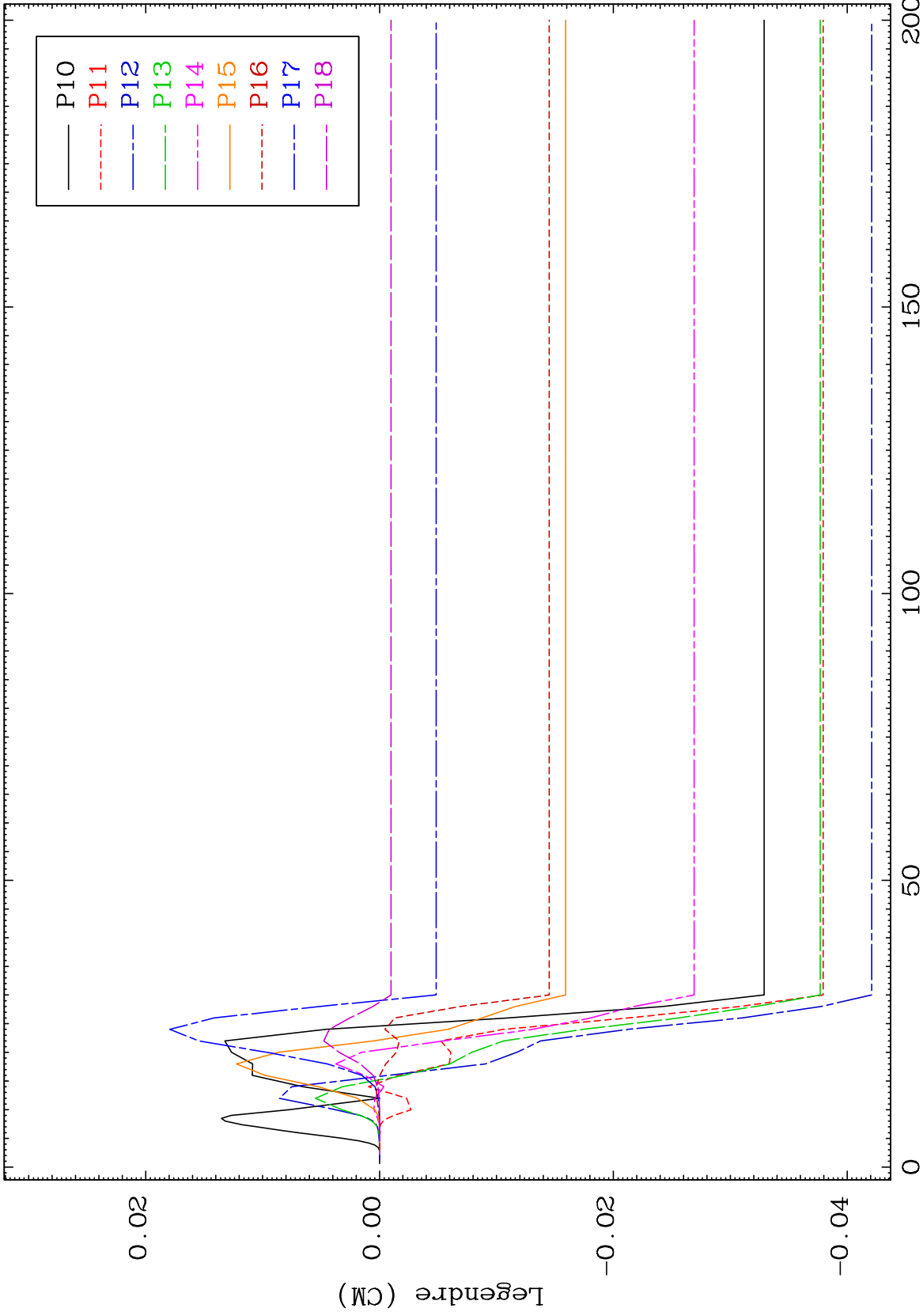
70-Yb-161



MAT 7004

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

70-Yb-161

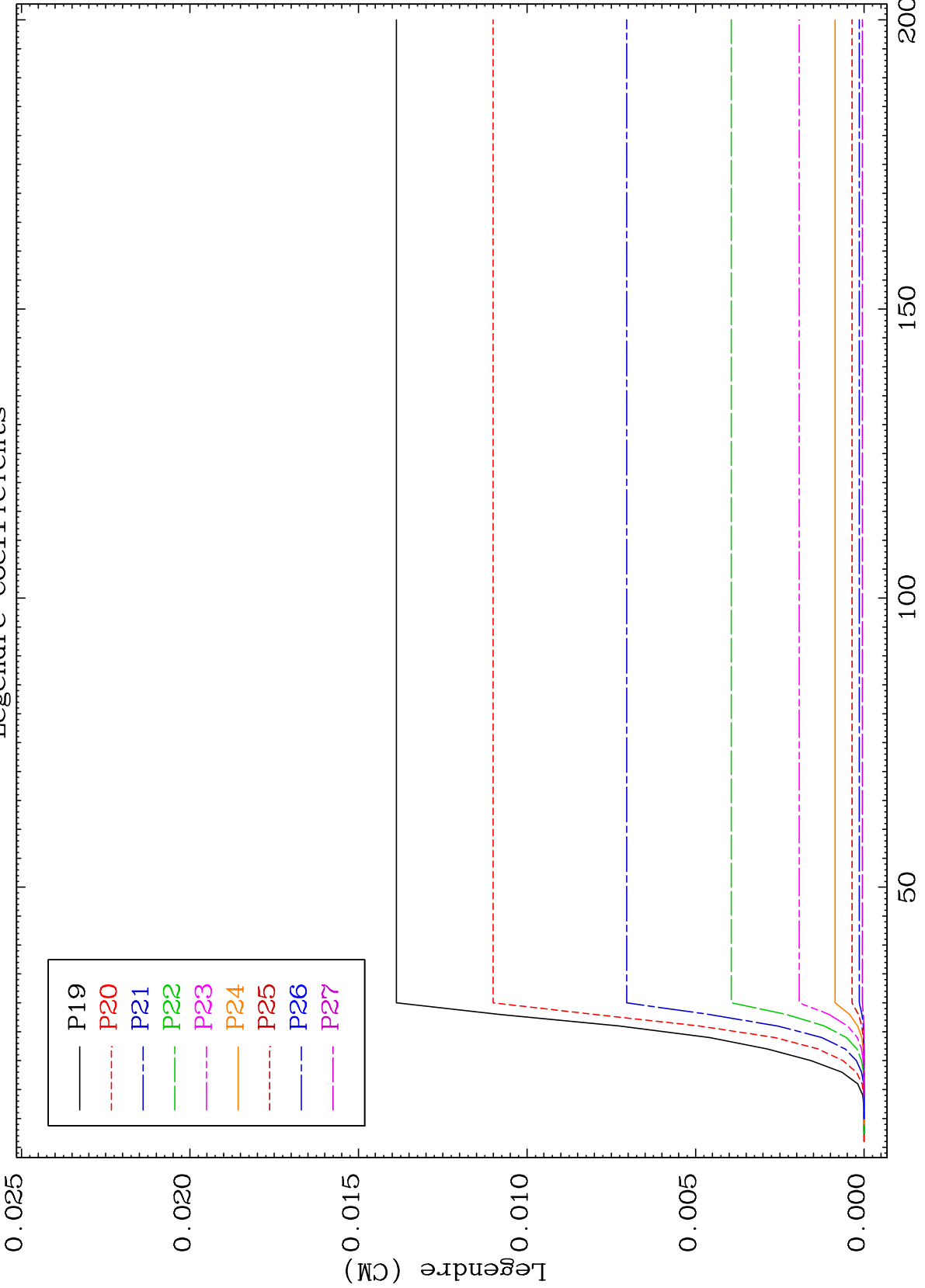


19

Incident Energy (MeV)

70-Yb-161

MAT 7004 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-161



70-Yb-161

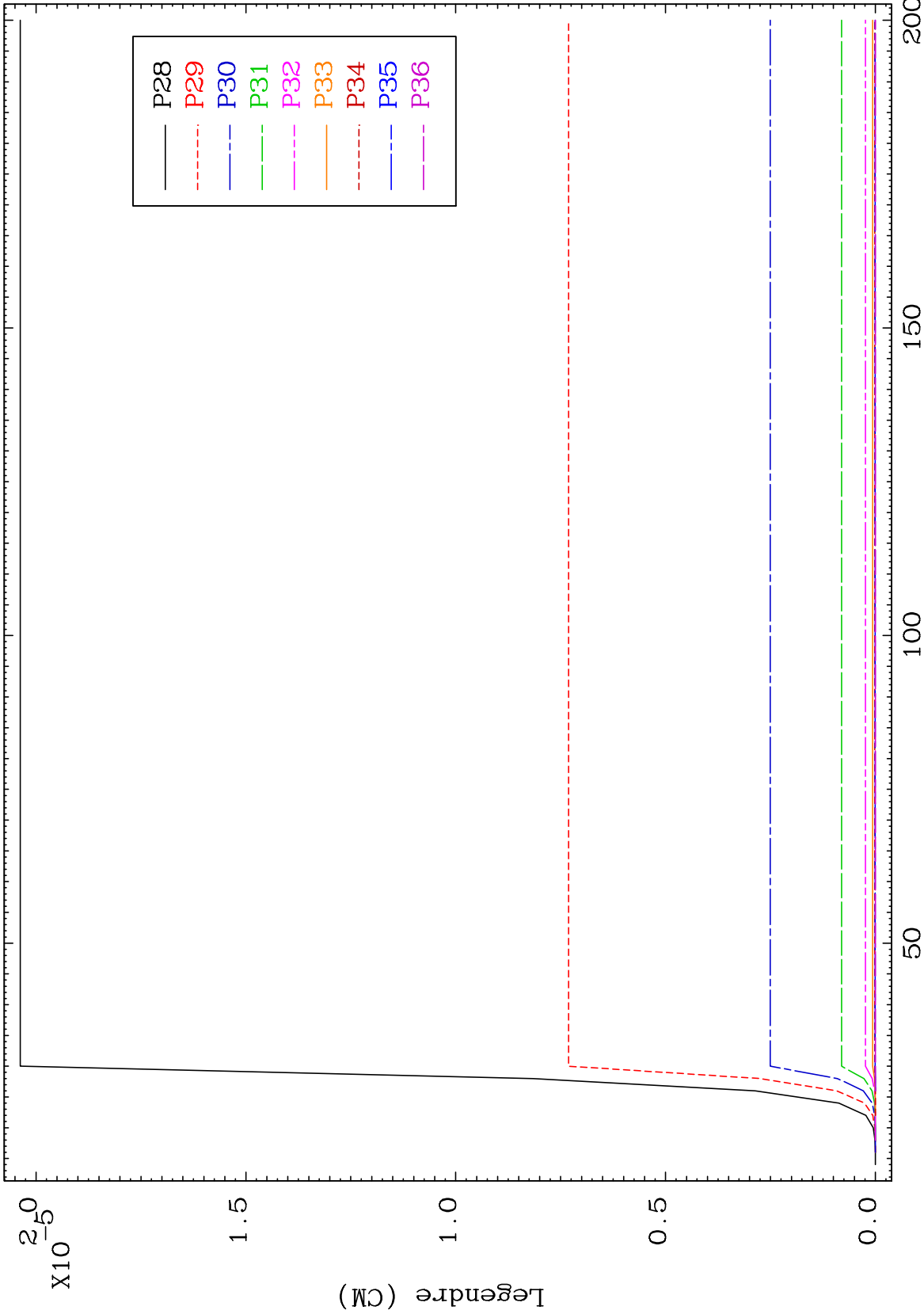
Incident Energy (MeV)

20

MAT 7004

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

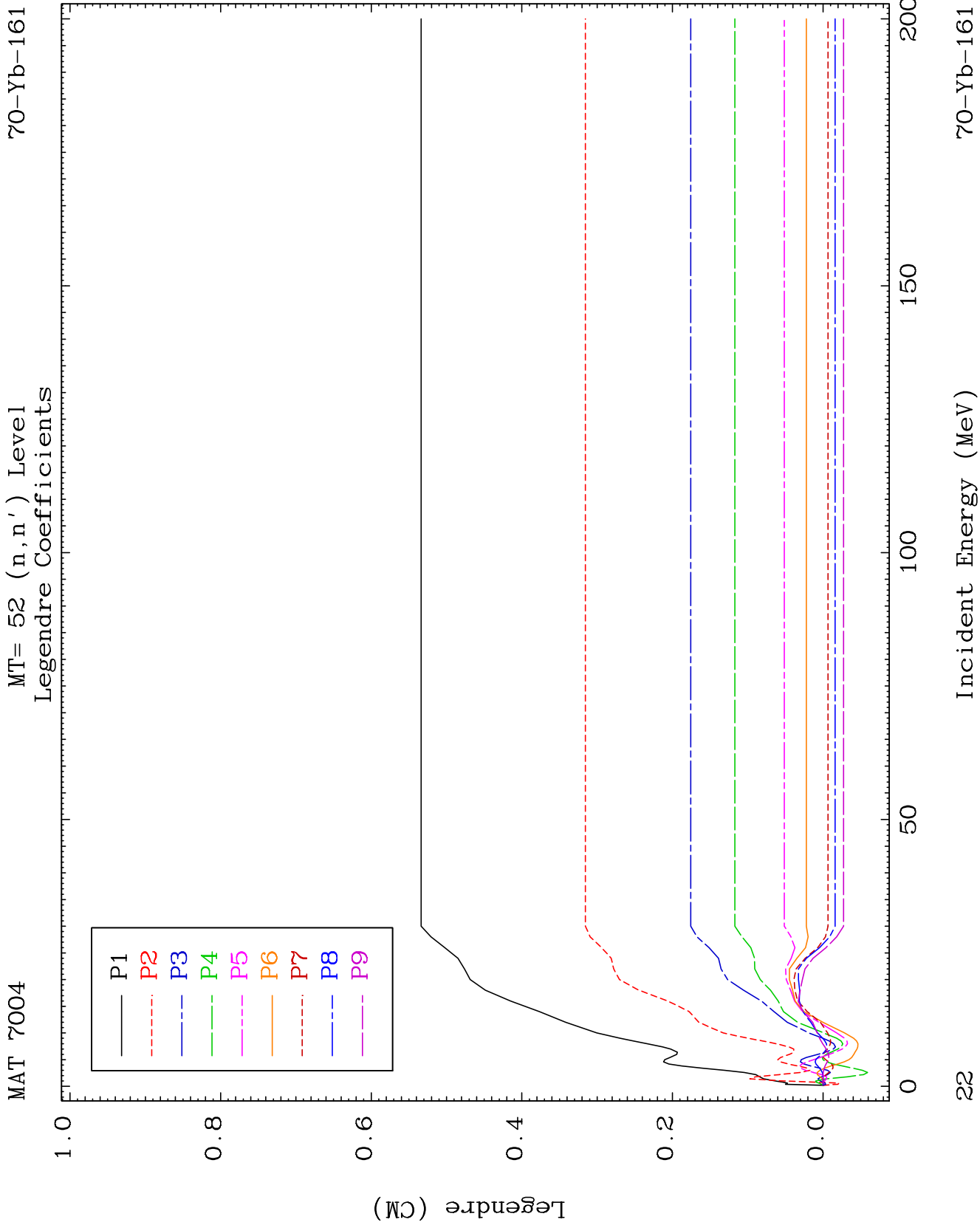
70-Yb-161



21

Incident Energy (MeV)

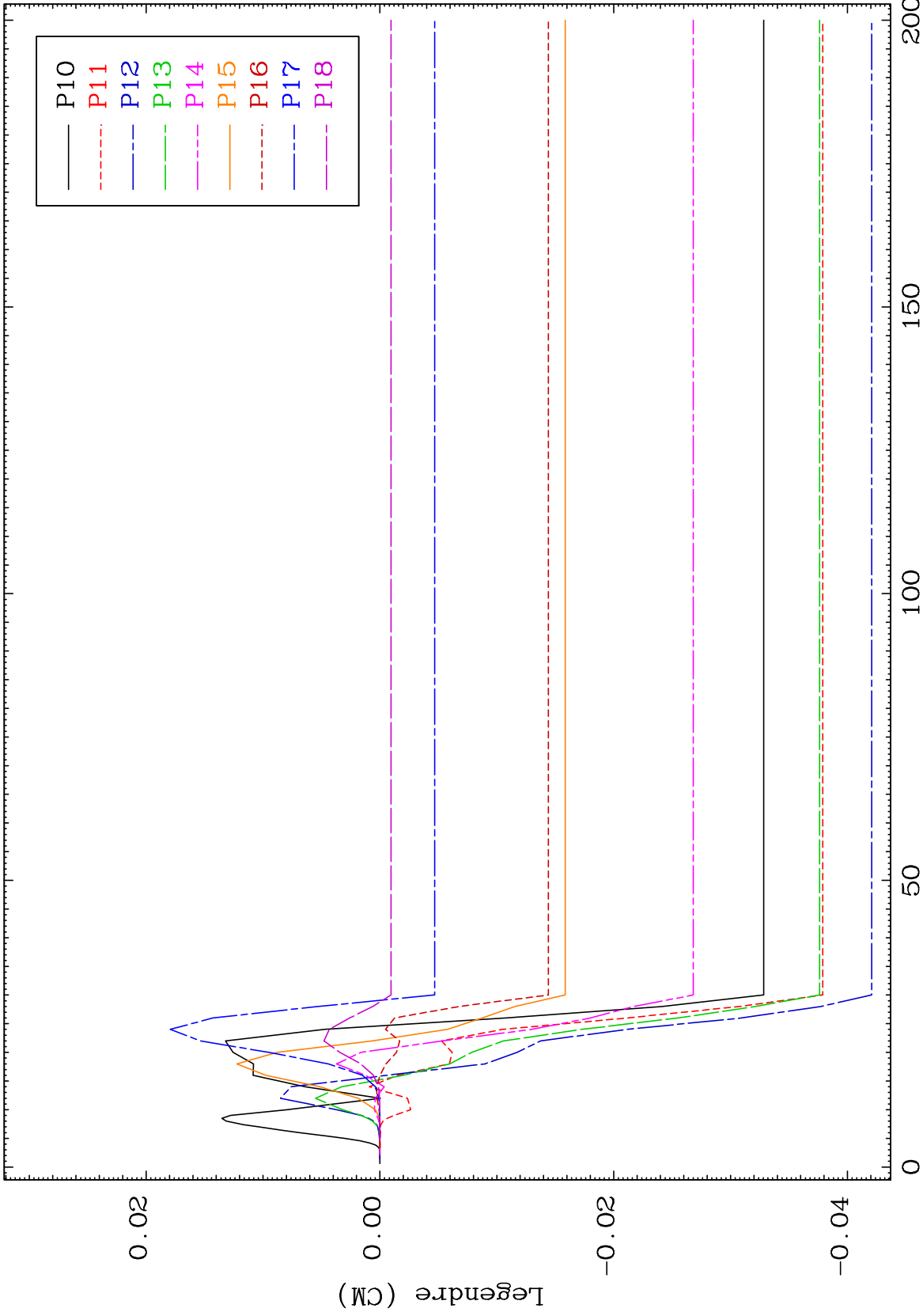
70-Yb-161



MAT 7004

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

70-Yb-161



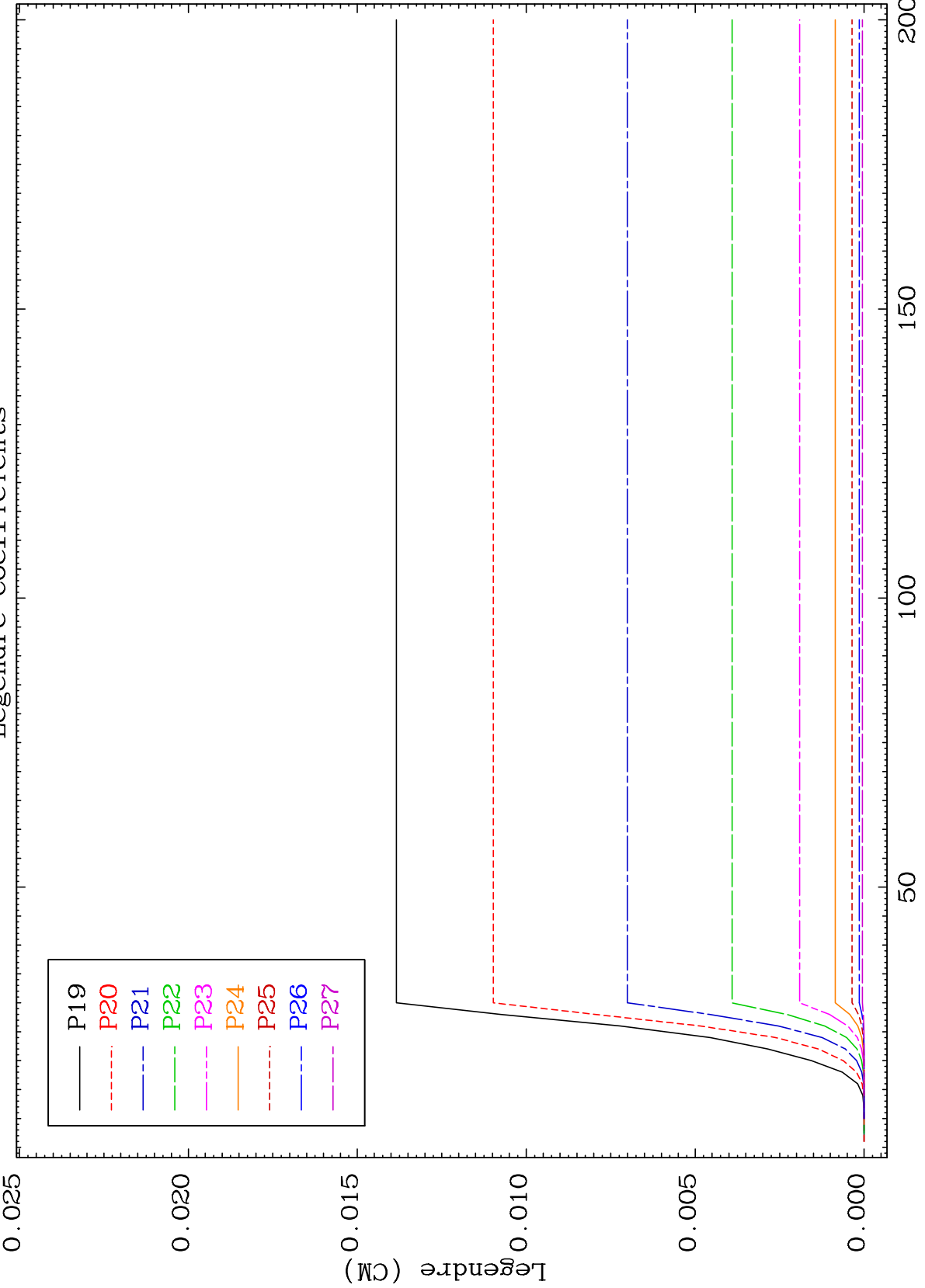
23

Incident Energy (MeV)

70-Yb-161

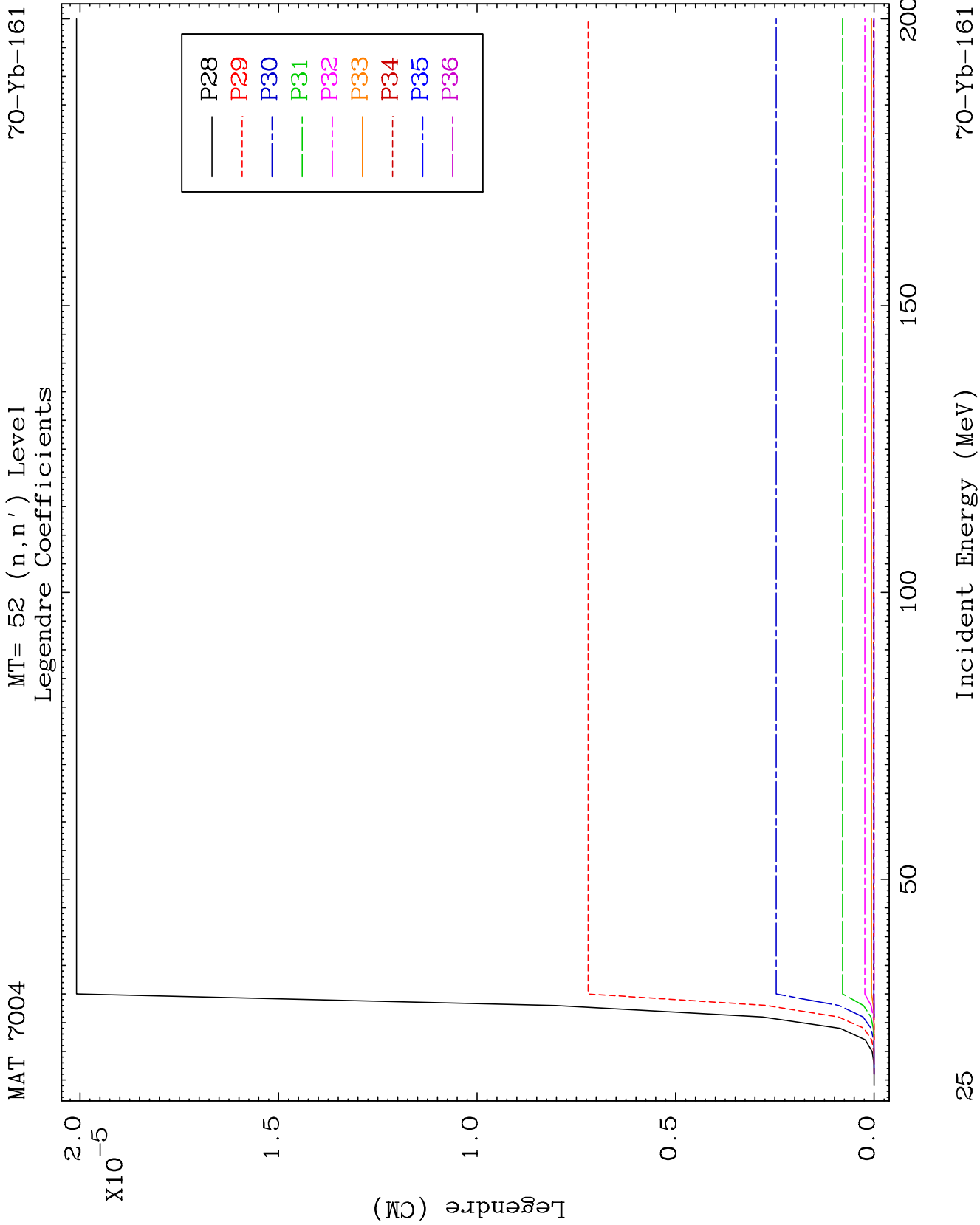


MAT 7004 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-161



70-Yb-161

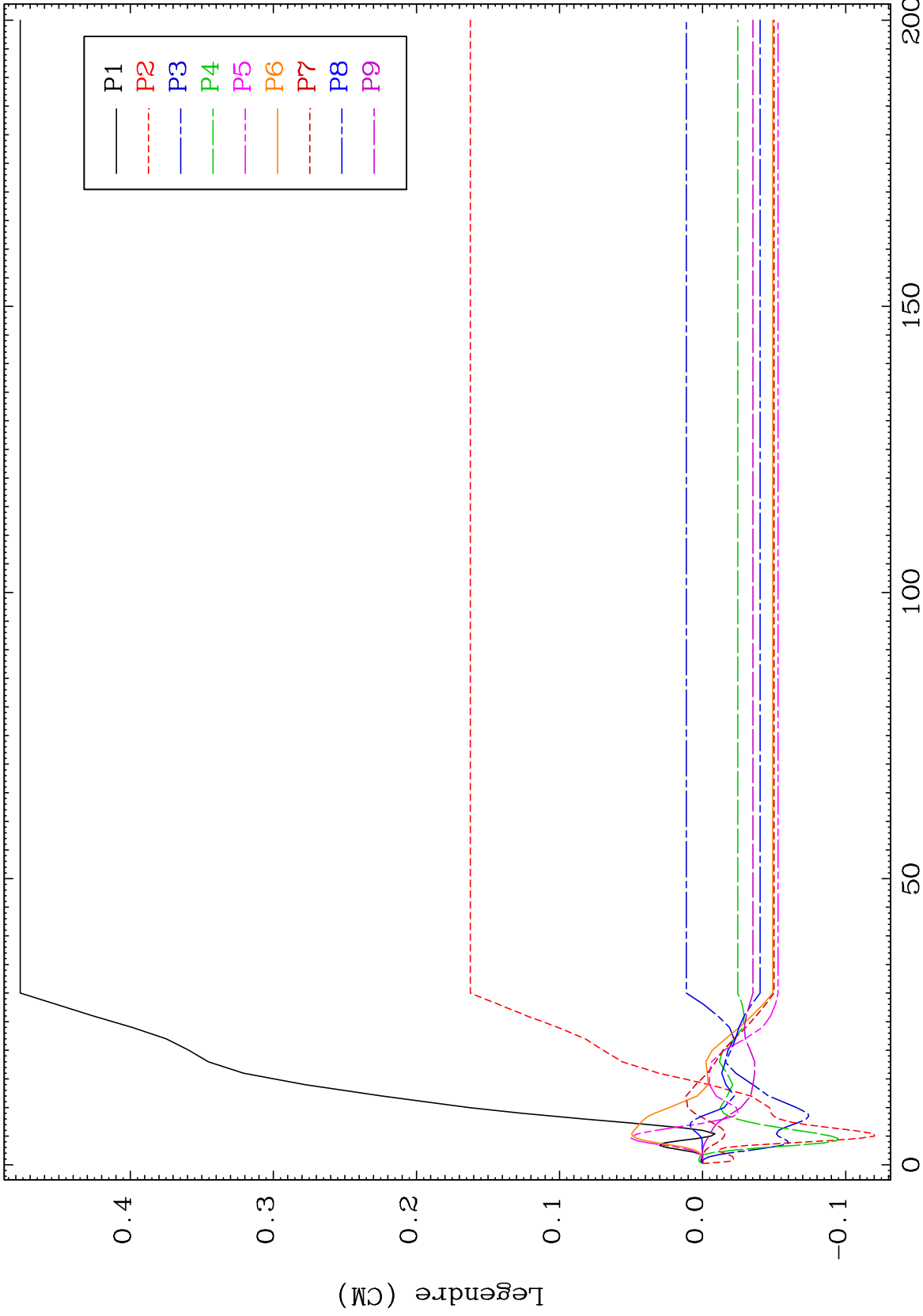
Incident Energy (MeV)



MAT 7004

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

70-Yb-161



26

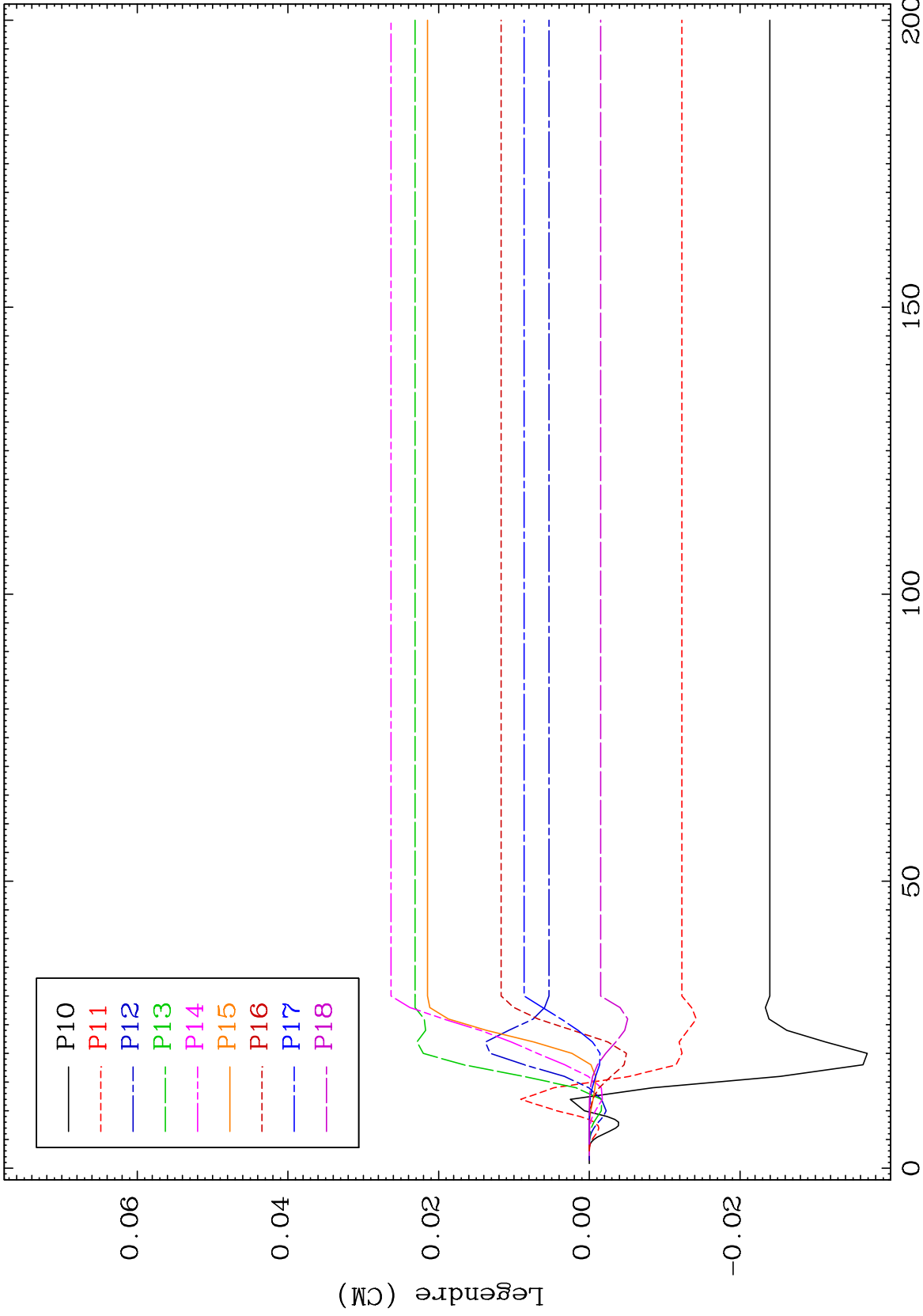
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



27

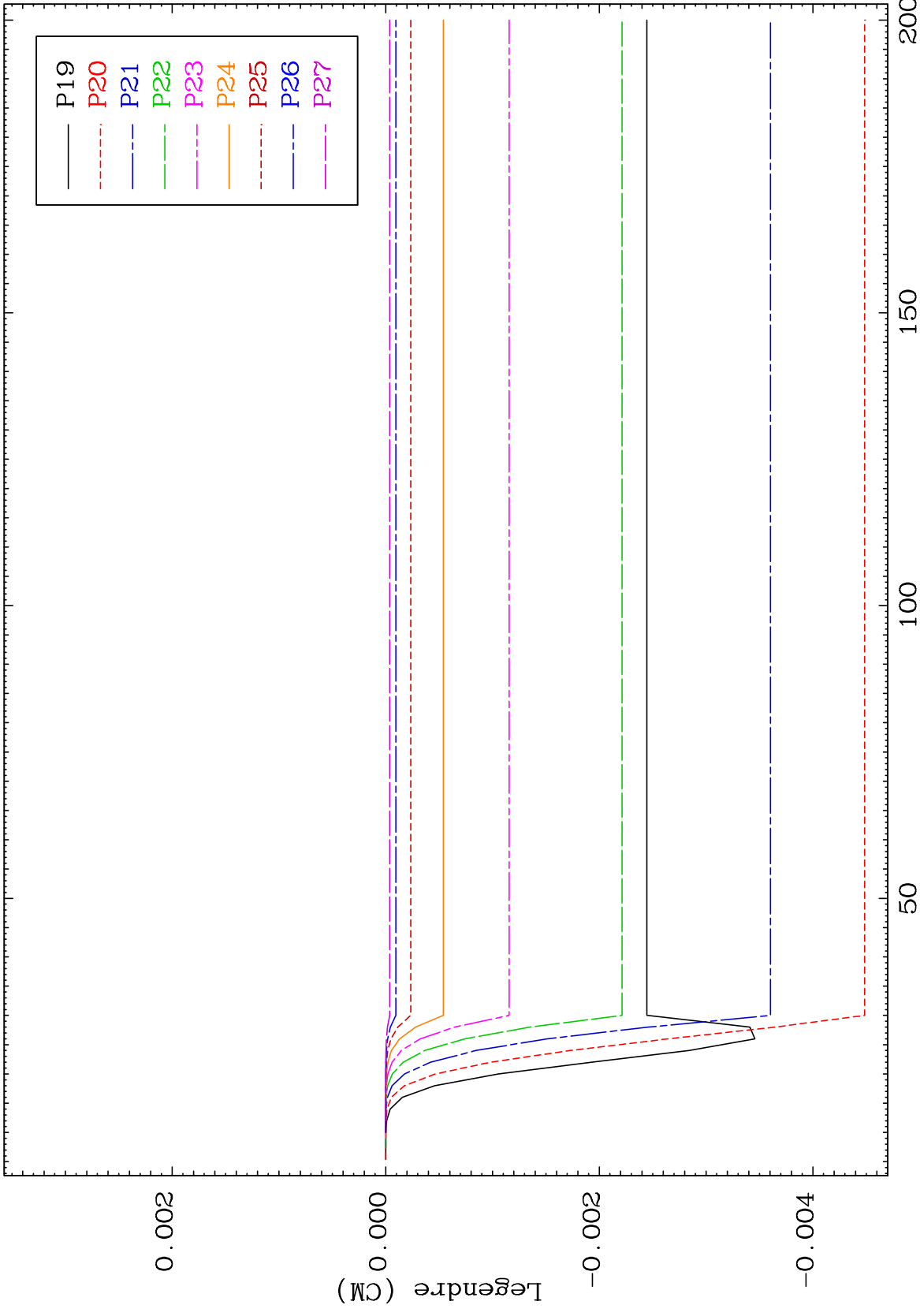
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



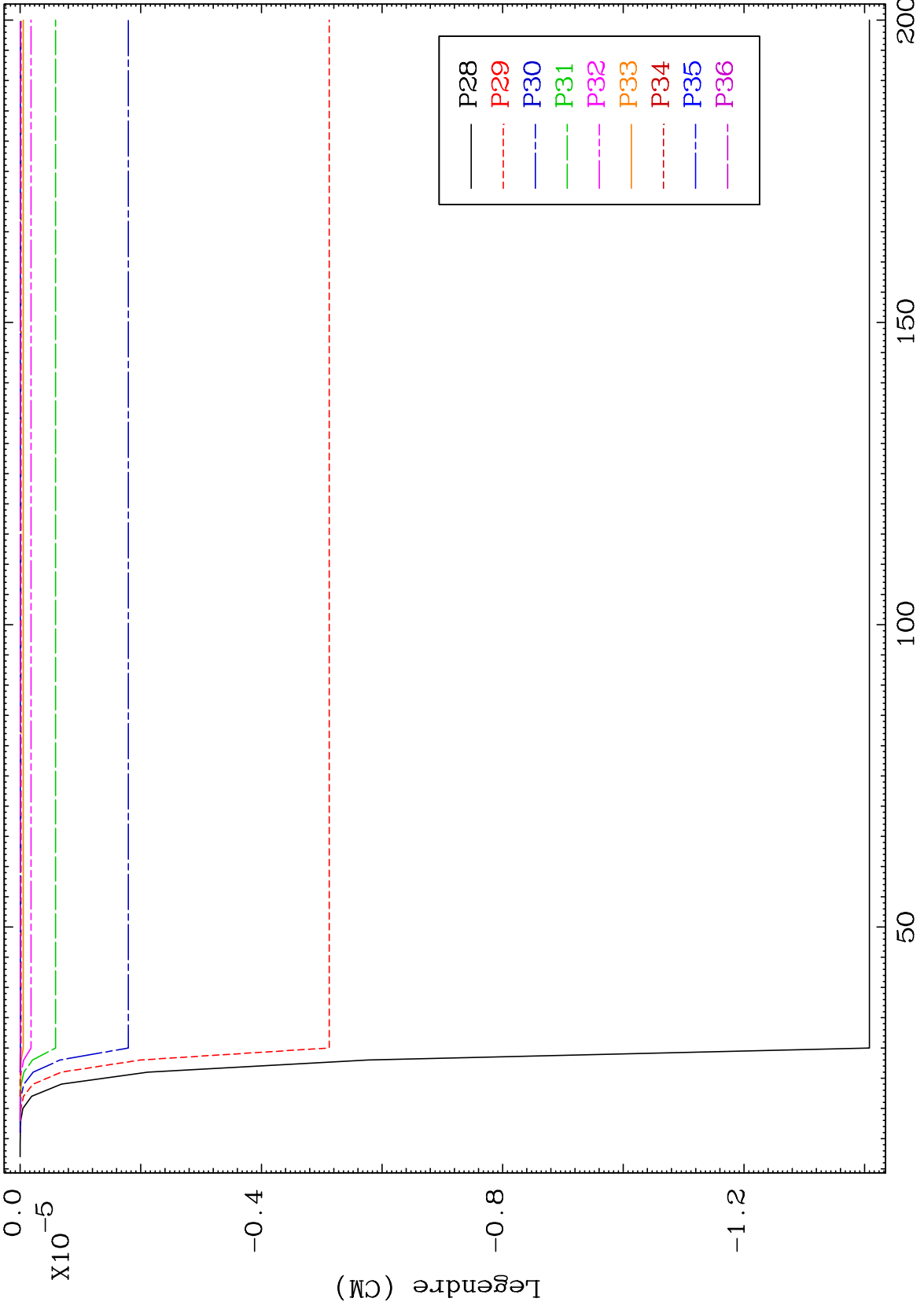
28

Incident Energy (MeV)

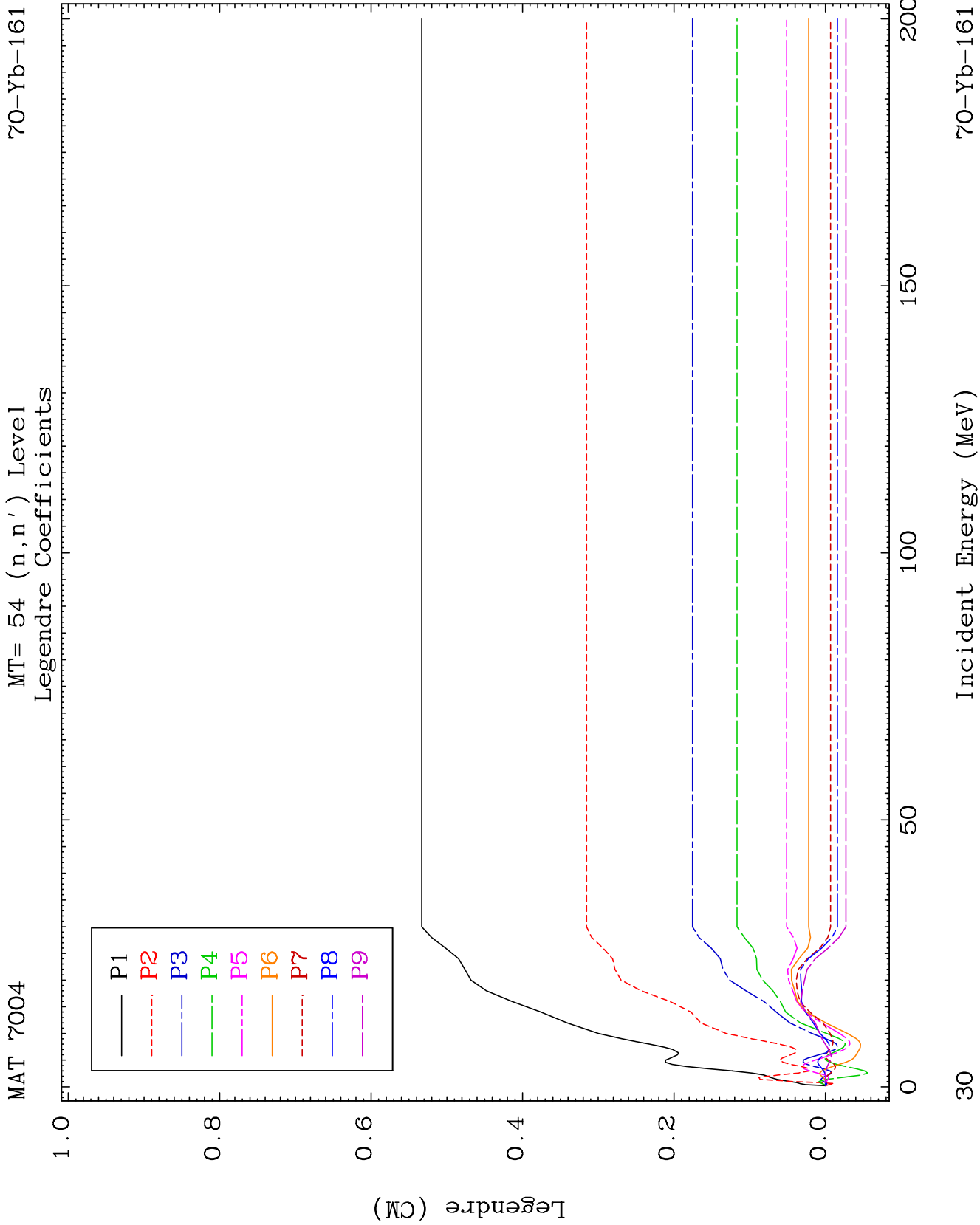
70-Yb-161

MAT 7004 MT= 53 (n,n') Level 70-Yb-161

Legendre Coefficients



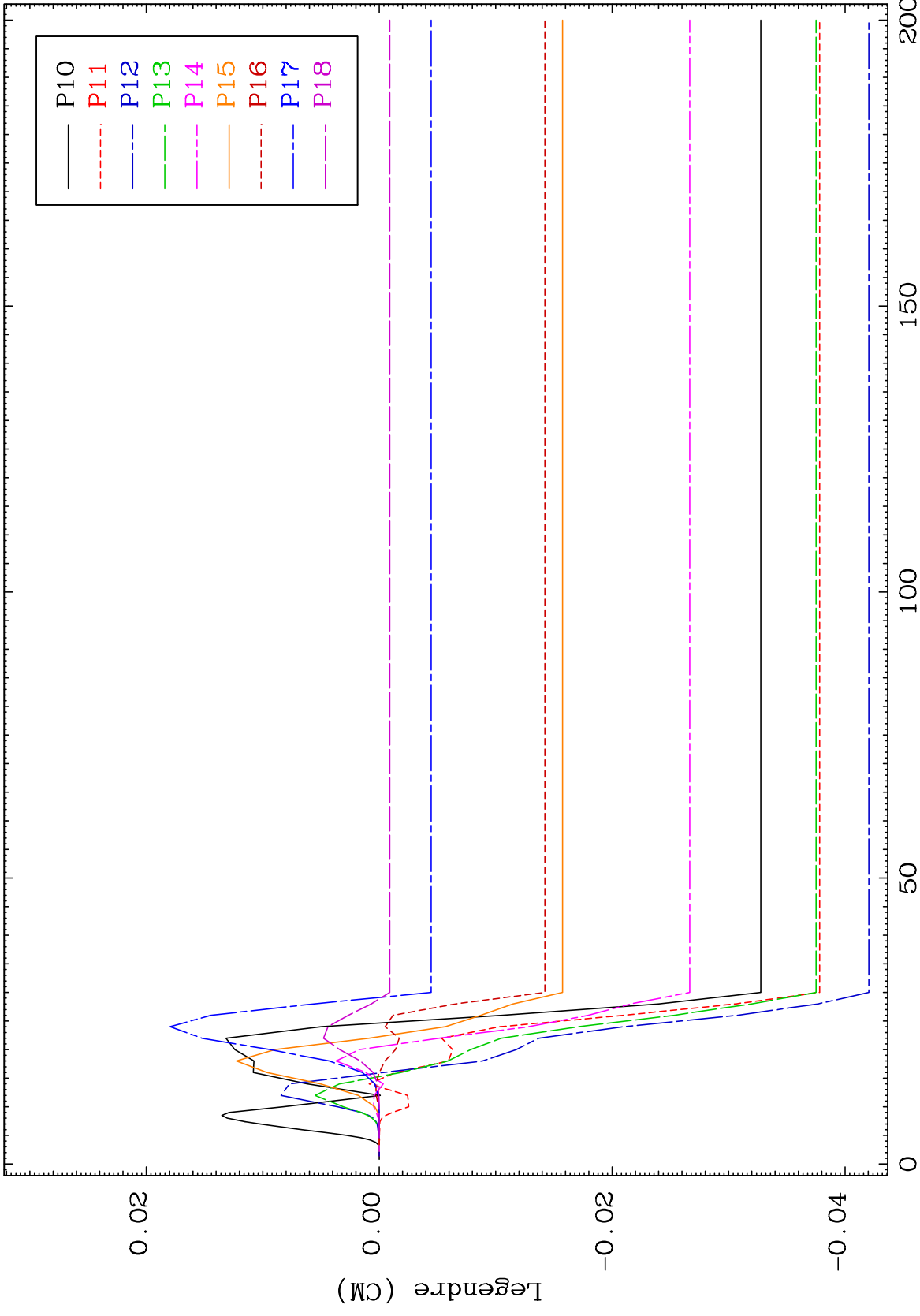
29 70-Yb-161



MAT 7004

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

70-Yb-161



31

Incident Energy (MeV)

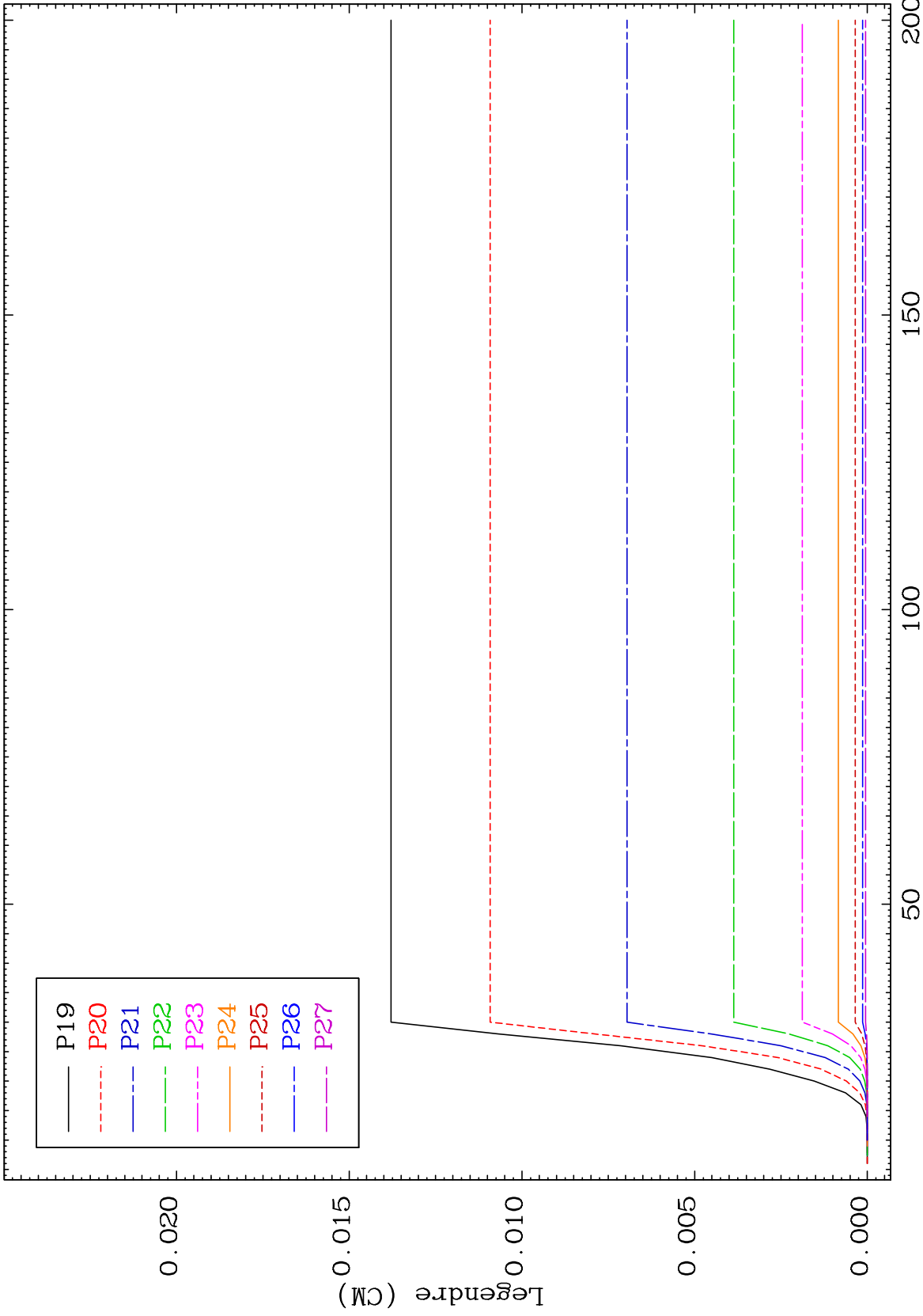
70-Yb-161



MAT 7004

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

70-Yb-161

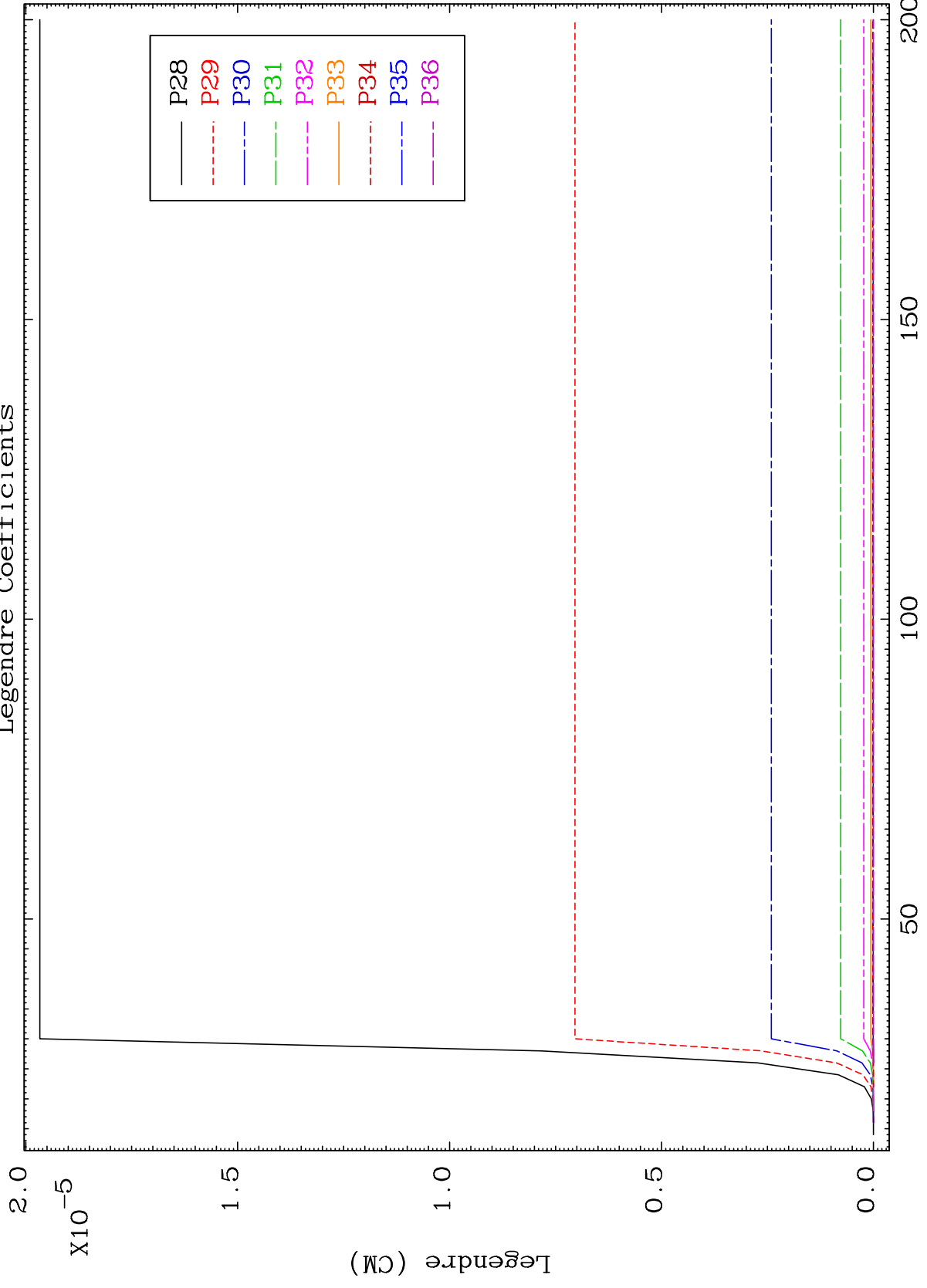


32

Incident Energy (MeV)

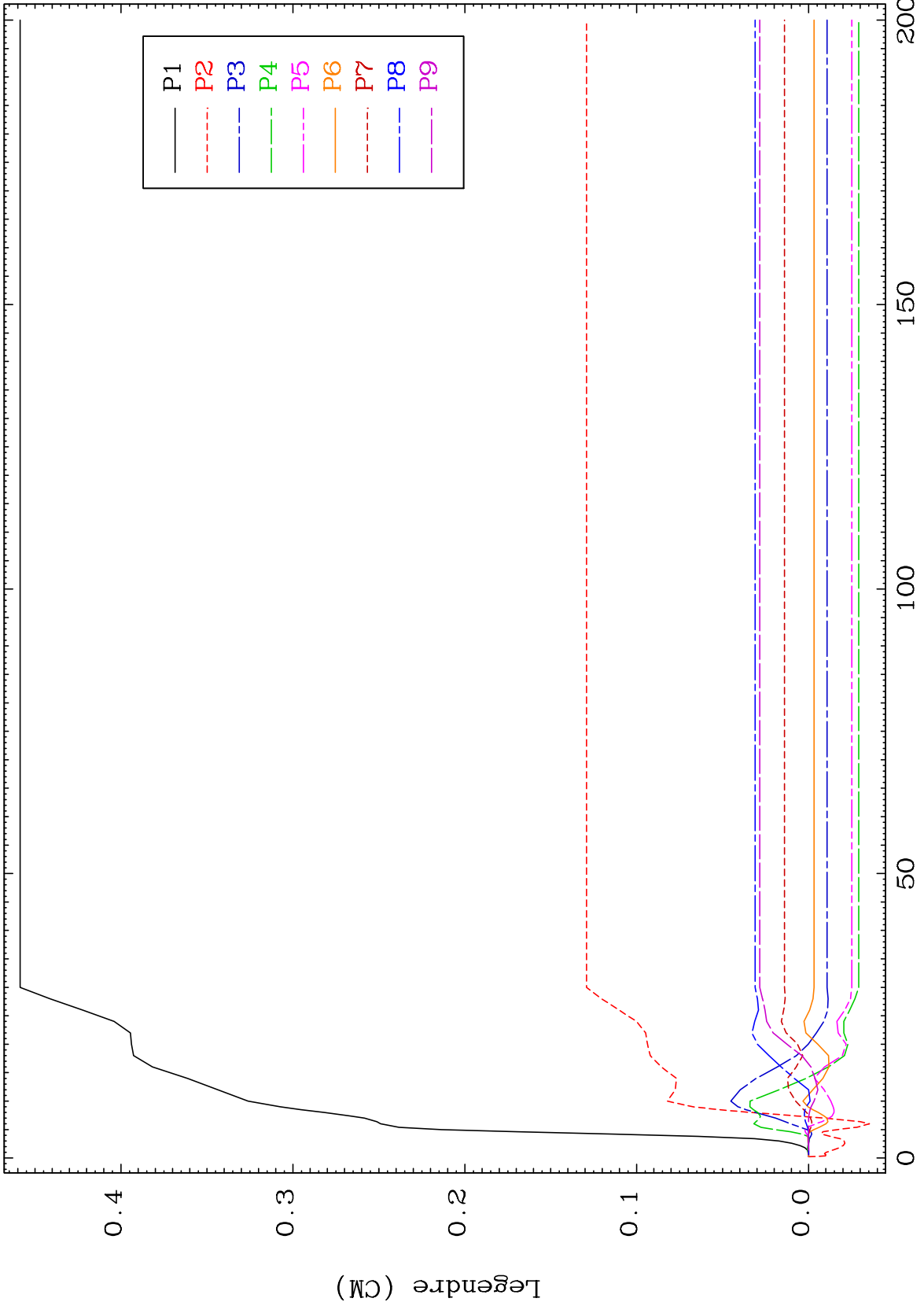
70-Yb-161

MAT 7004 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-161



33 Incident Energy (MeV) 70-Yb-161

MAT 7004 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-161

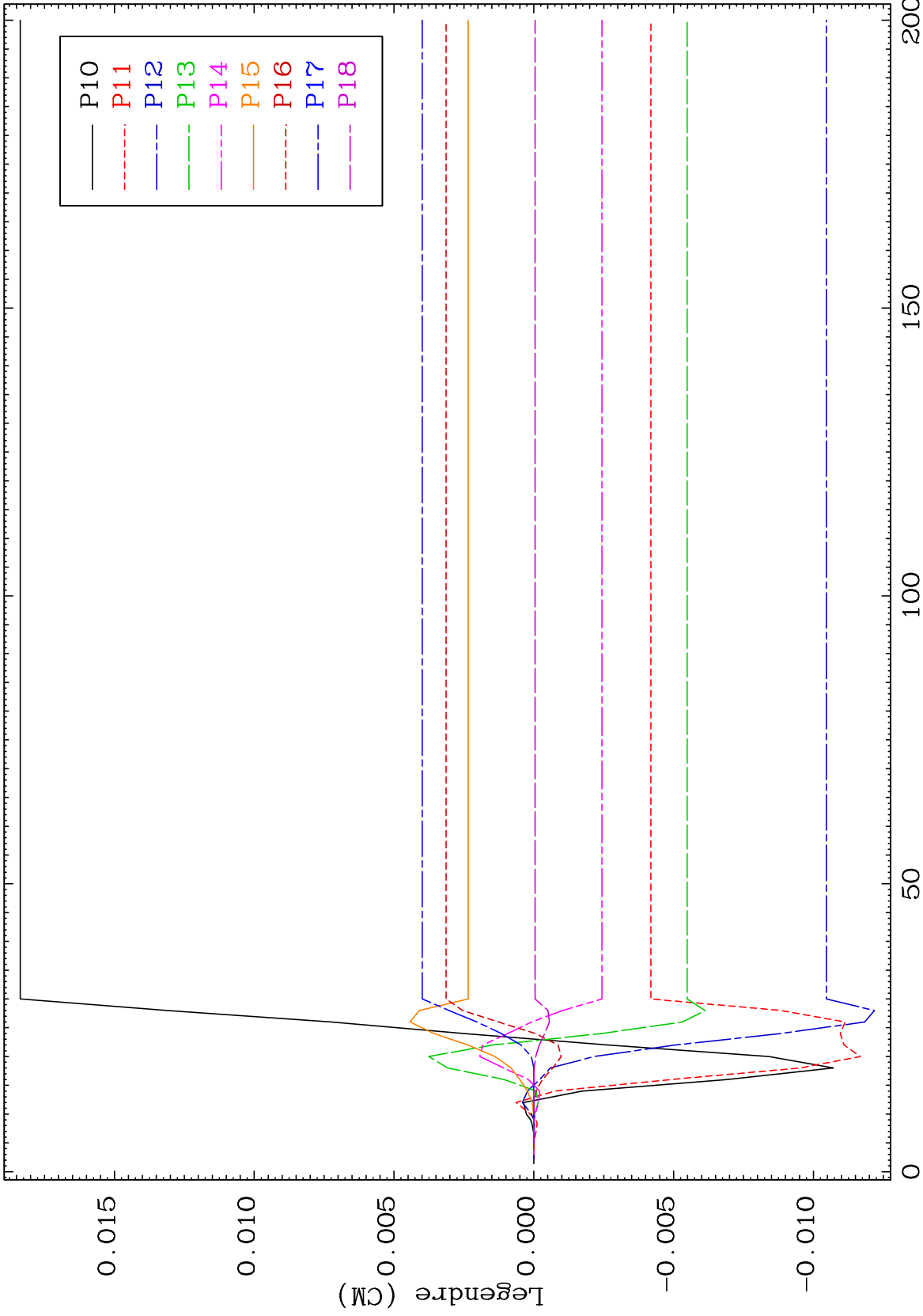


34 70-Yb-161

MAT 7004

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

70-Yb-161



35

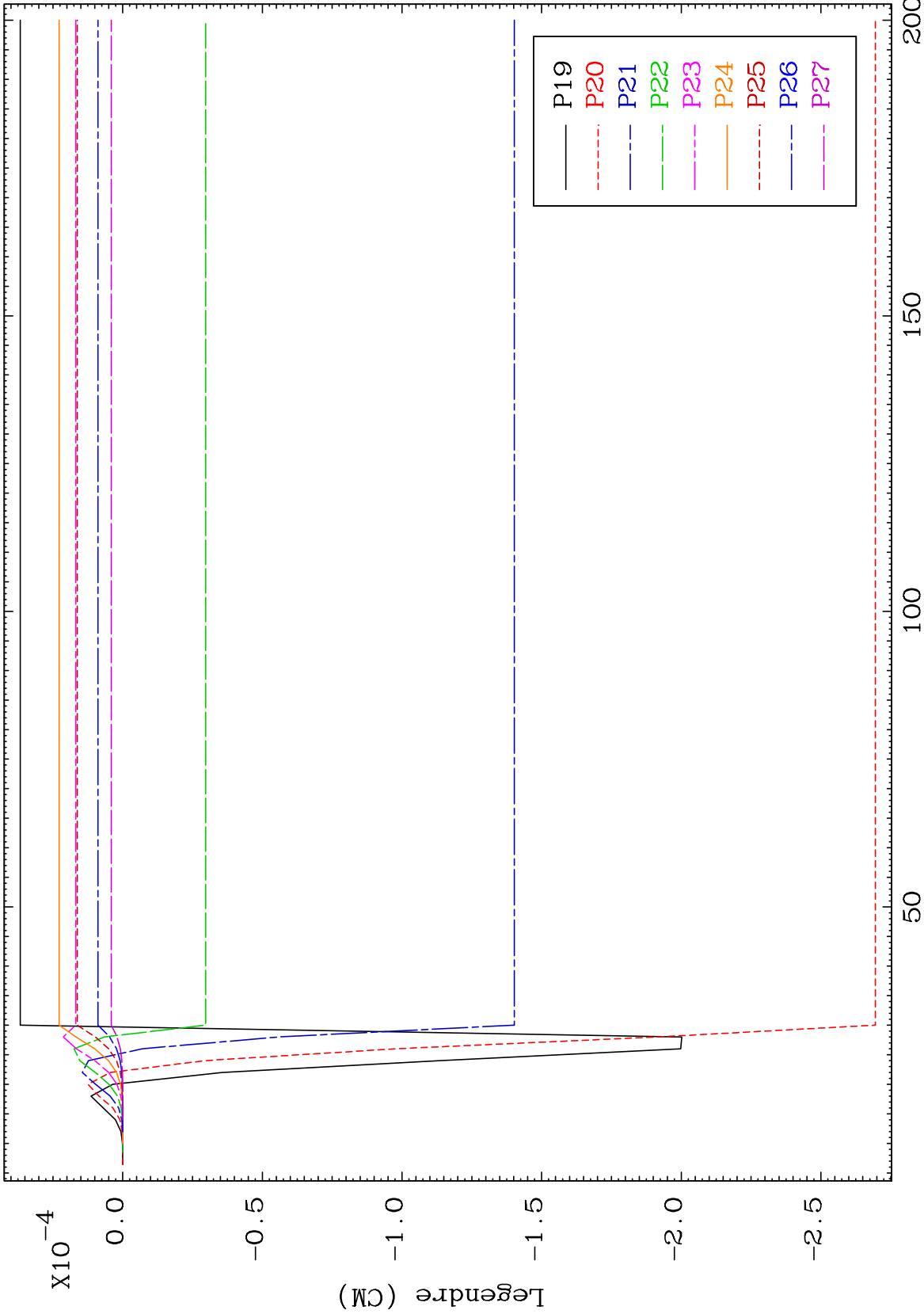
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



36

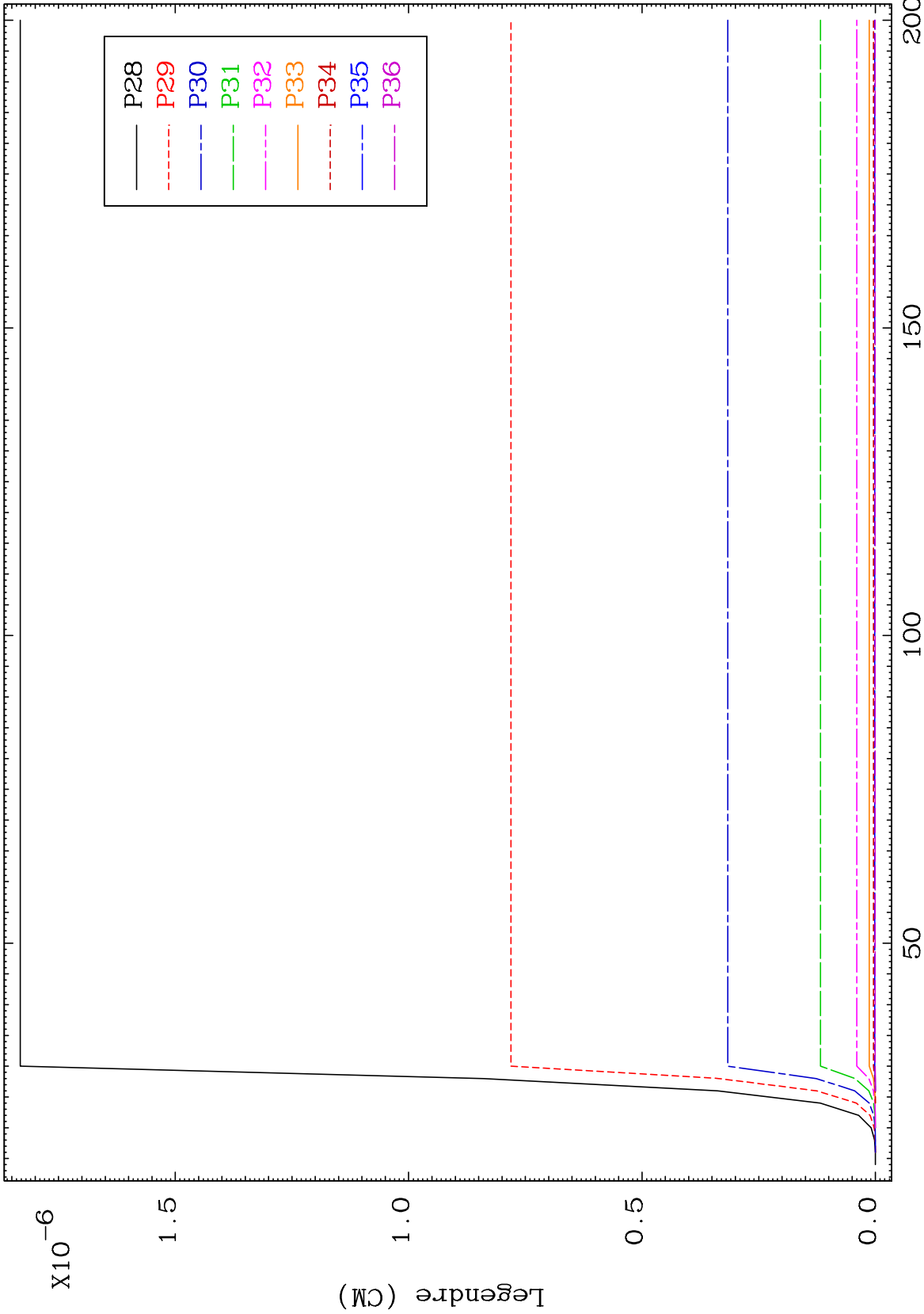
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161

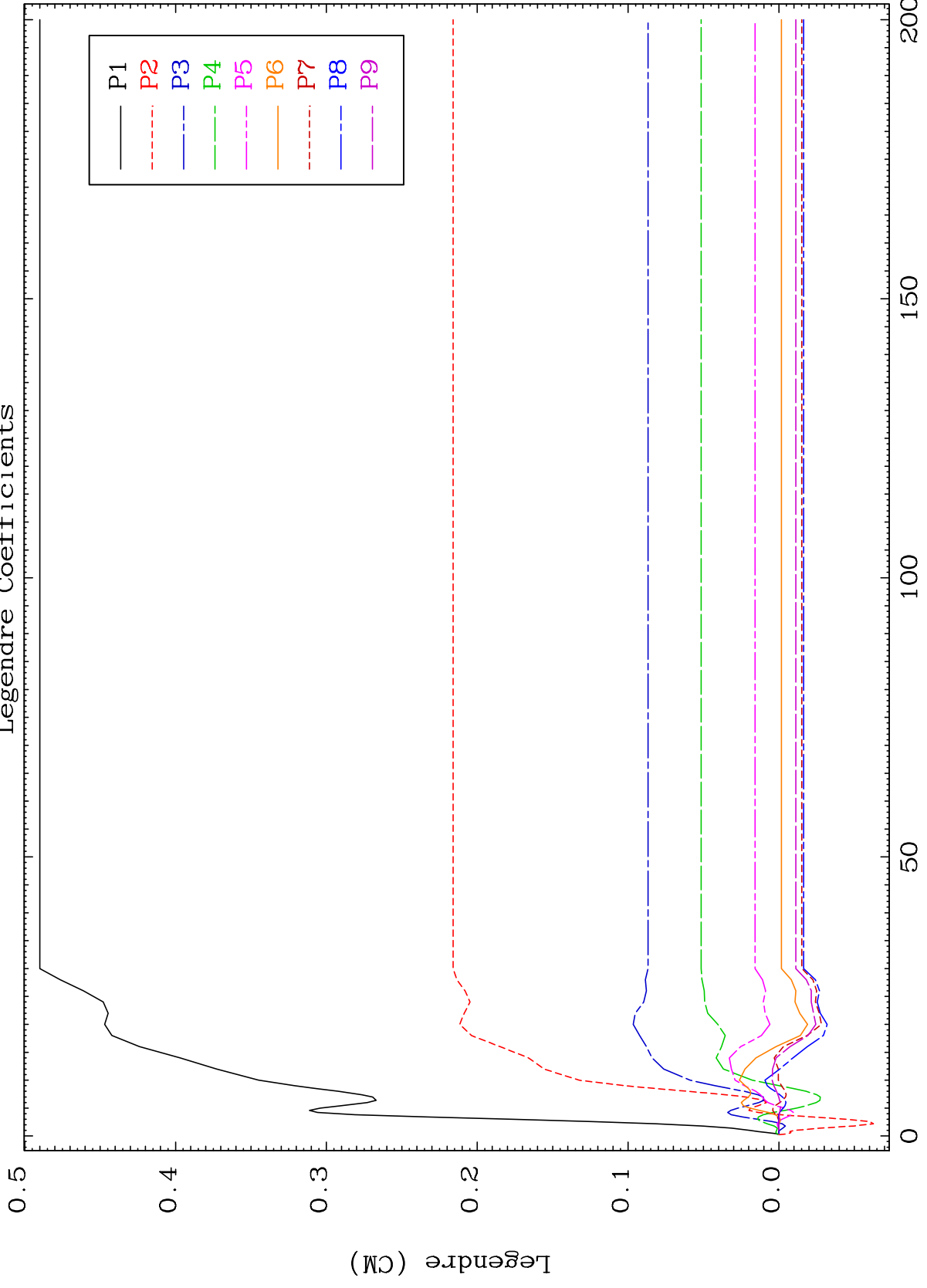


37

Incident Energy (MeV)

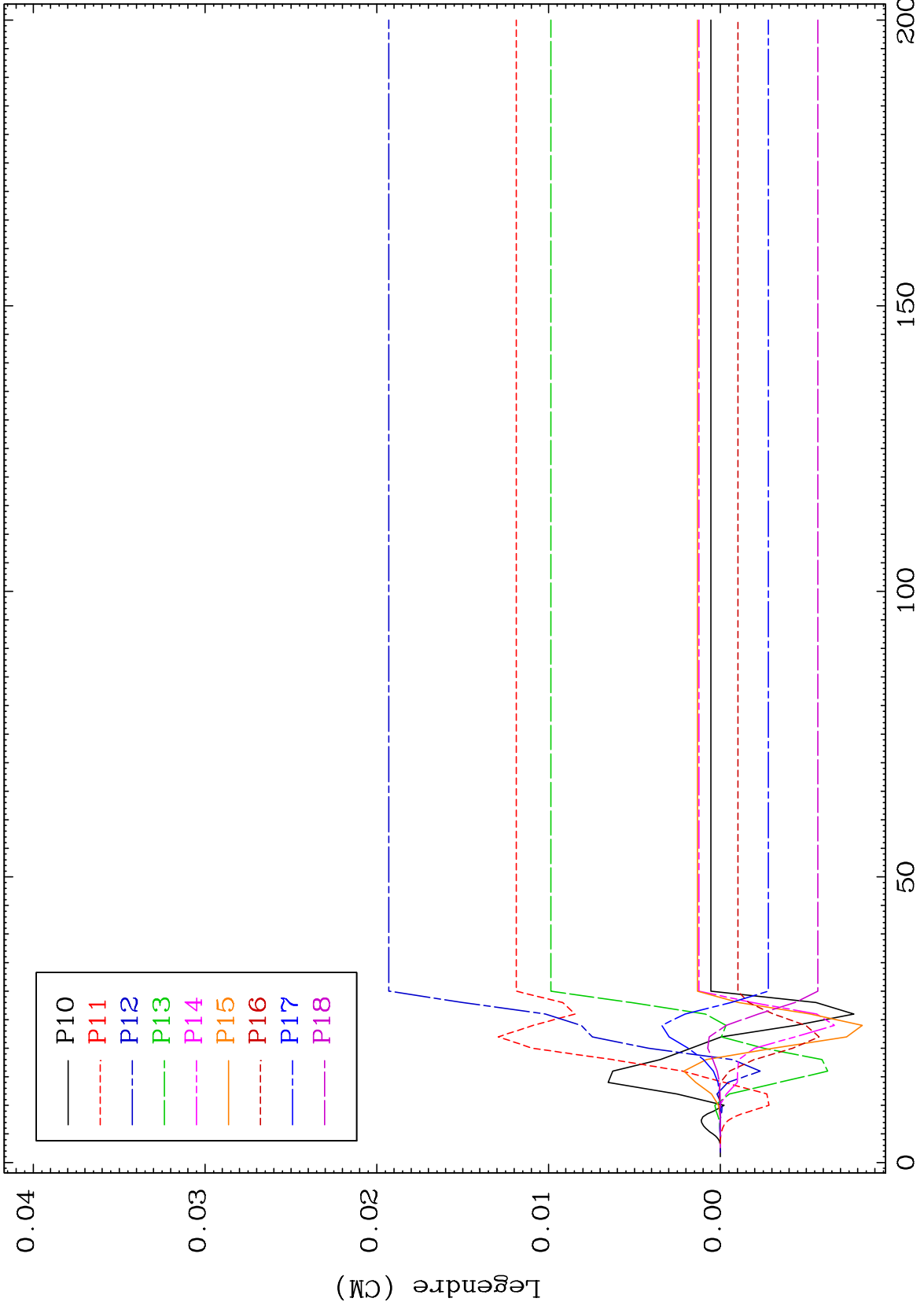
70-Yb-161

MAT 7004 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-161



38 Incident Energy (MeV) 70-Yb-161

MAT 7004 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-161



70-Yb-161

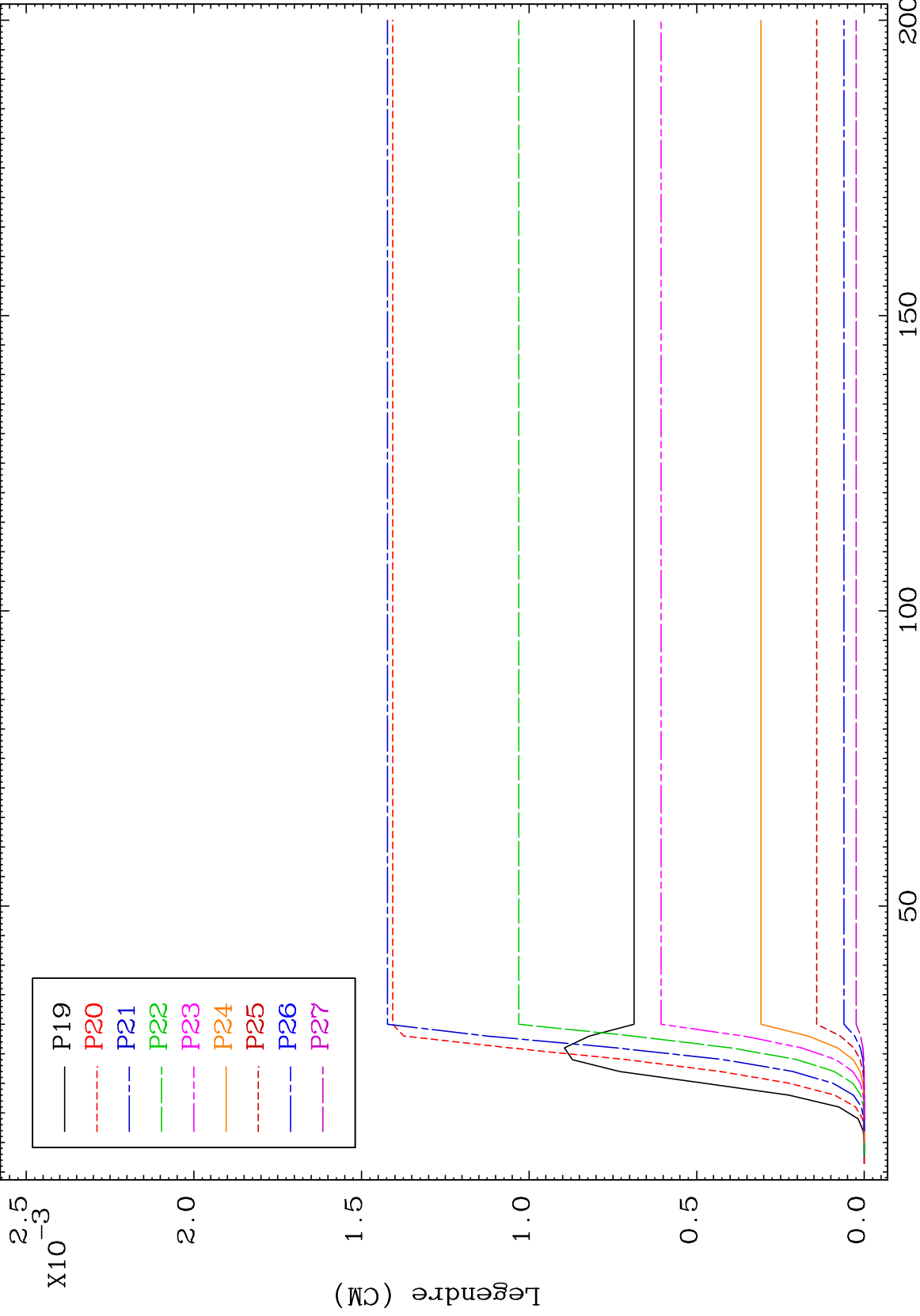
Incident Energy (MeV)



MAT 7004

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

70-Yb-161



40

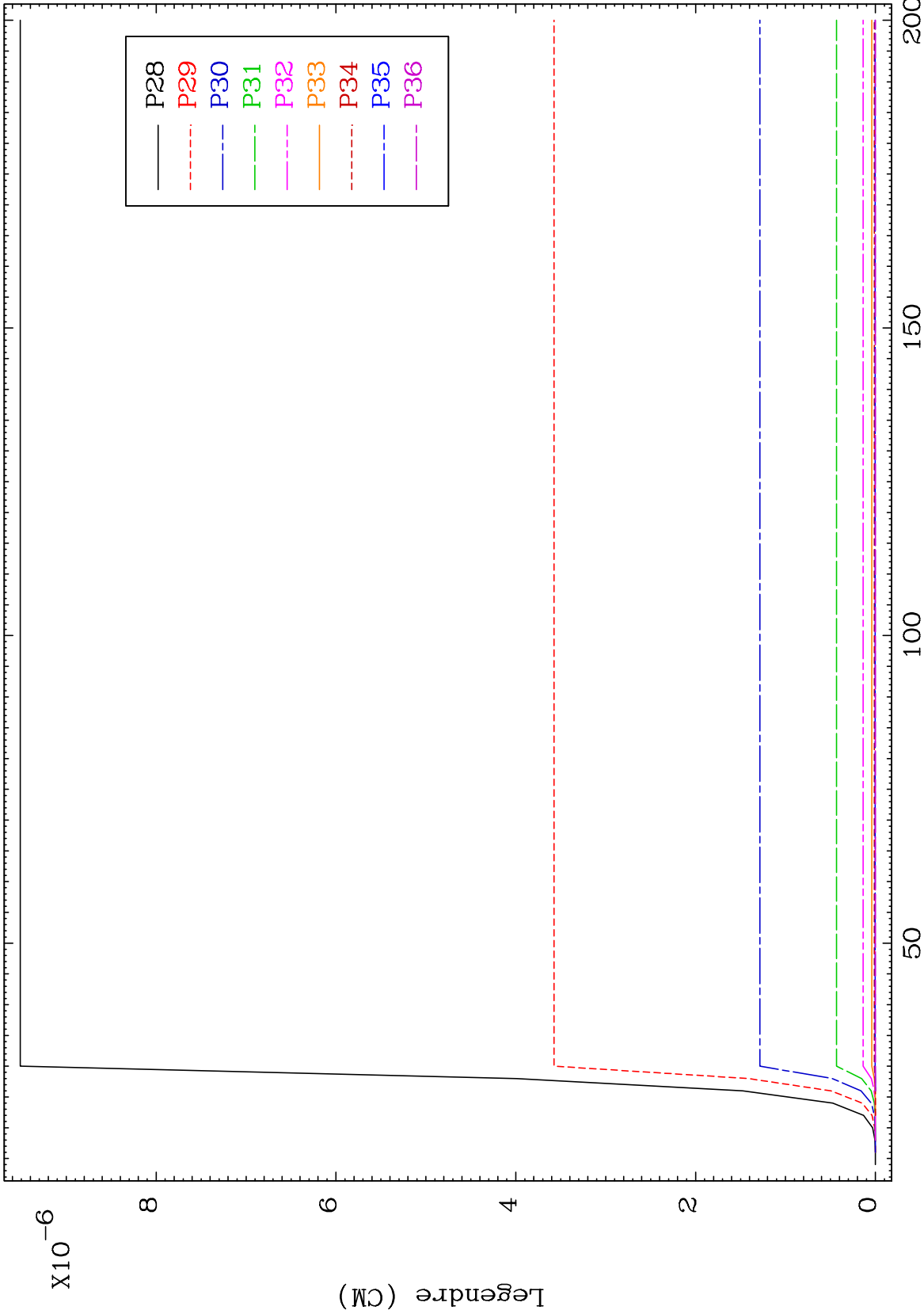
Incident Energy (MeV)

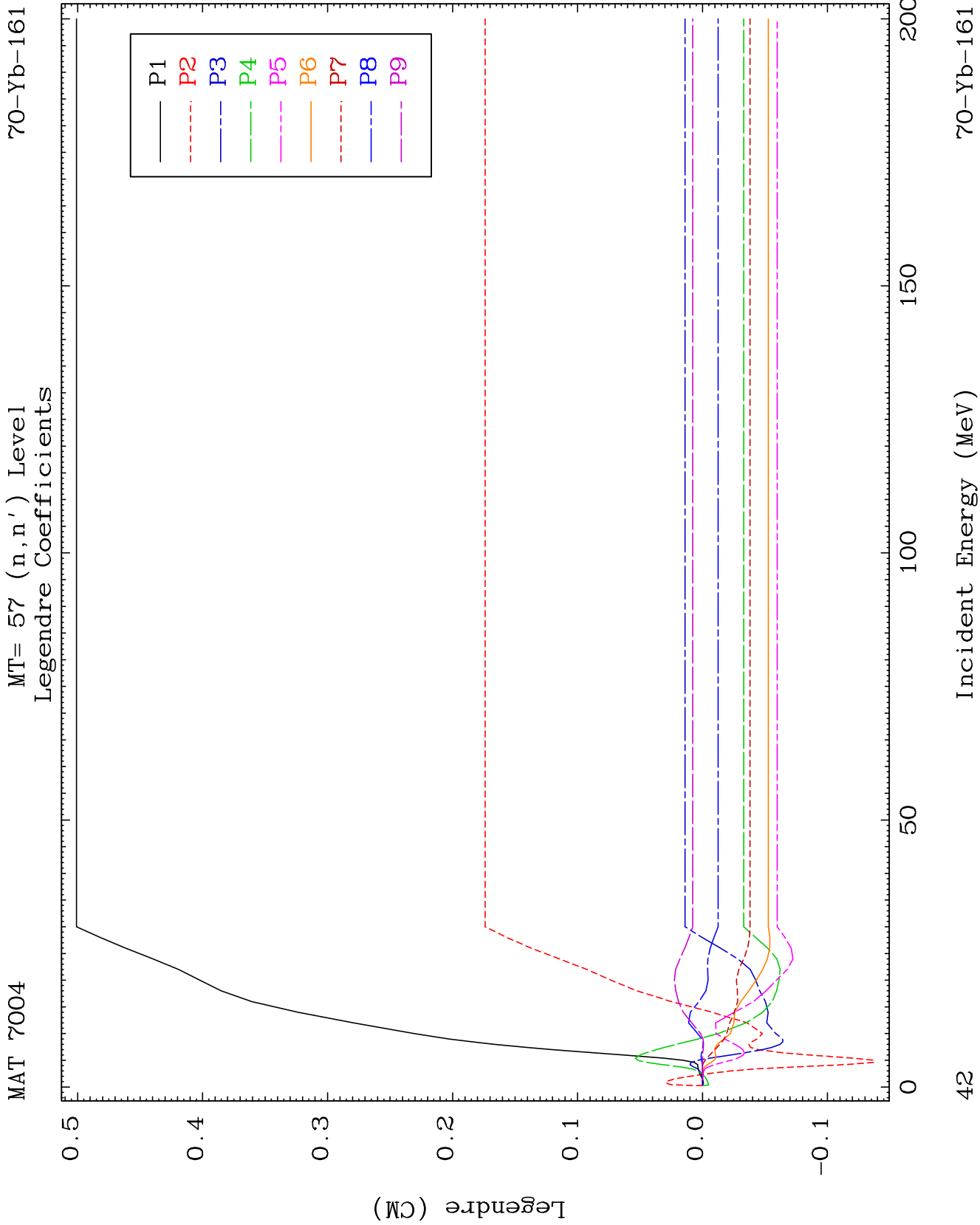
70-Yb-161

MAT 7004

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

70-Yb-161

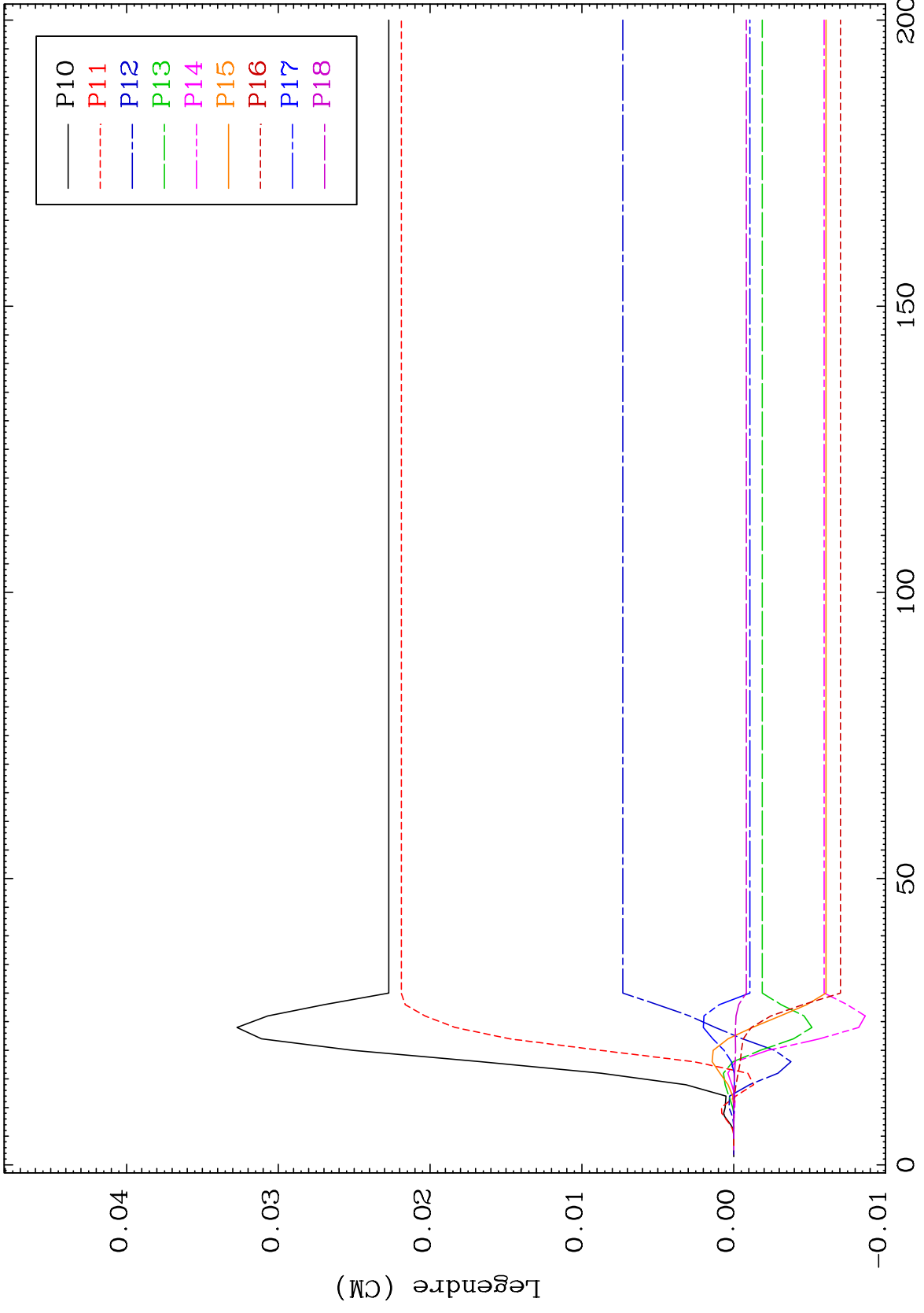




MAT 7004

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

70-Yb-161



43

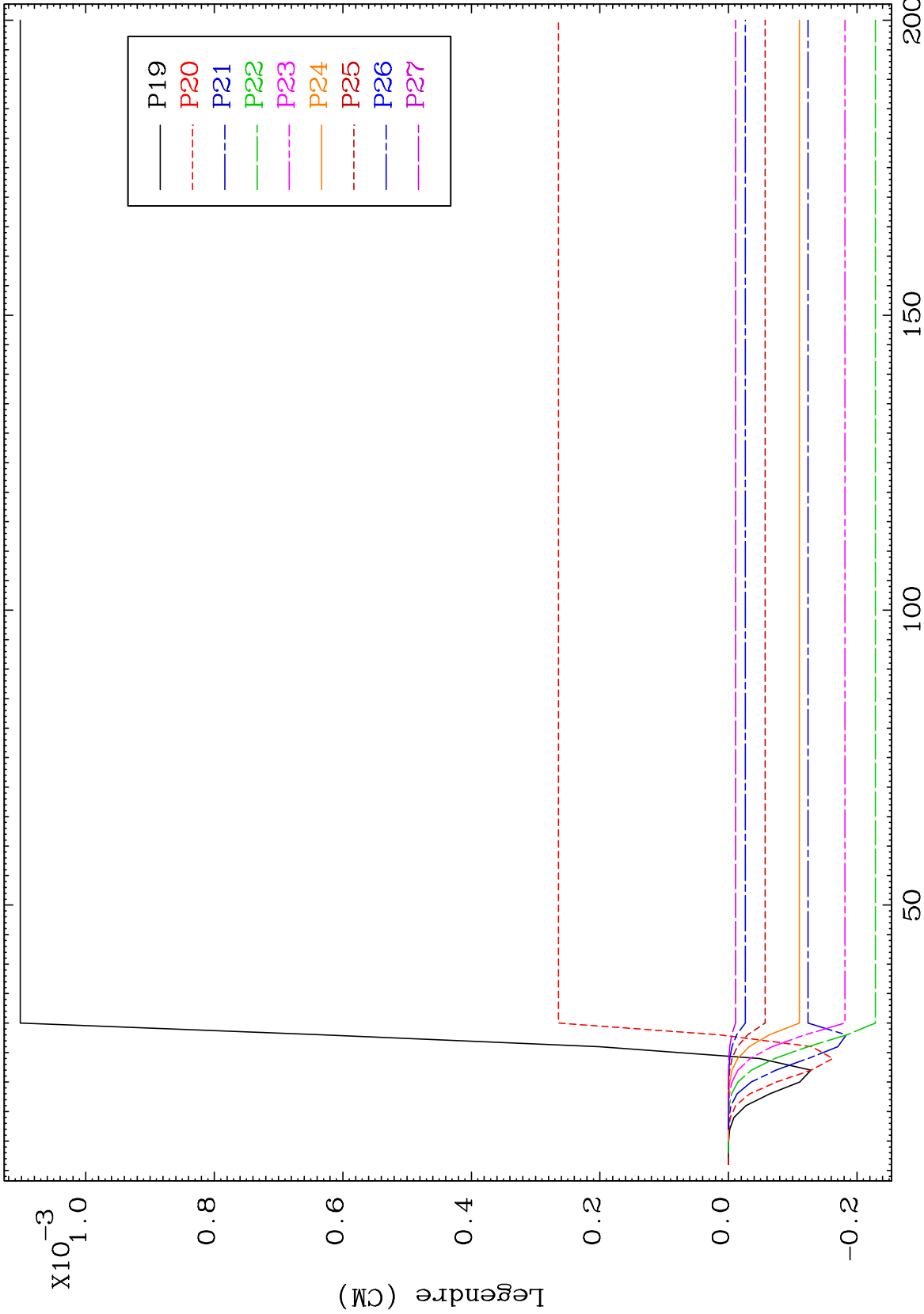
Incident Energy (MeV)

70-Yb-161

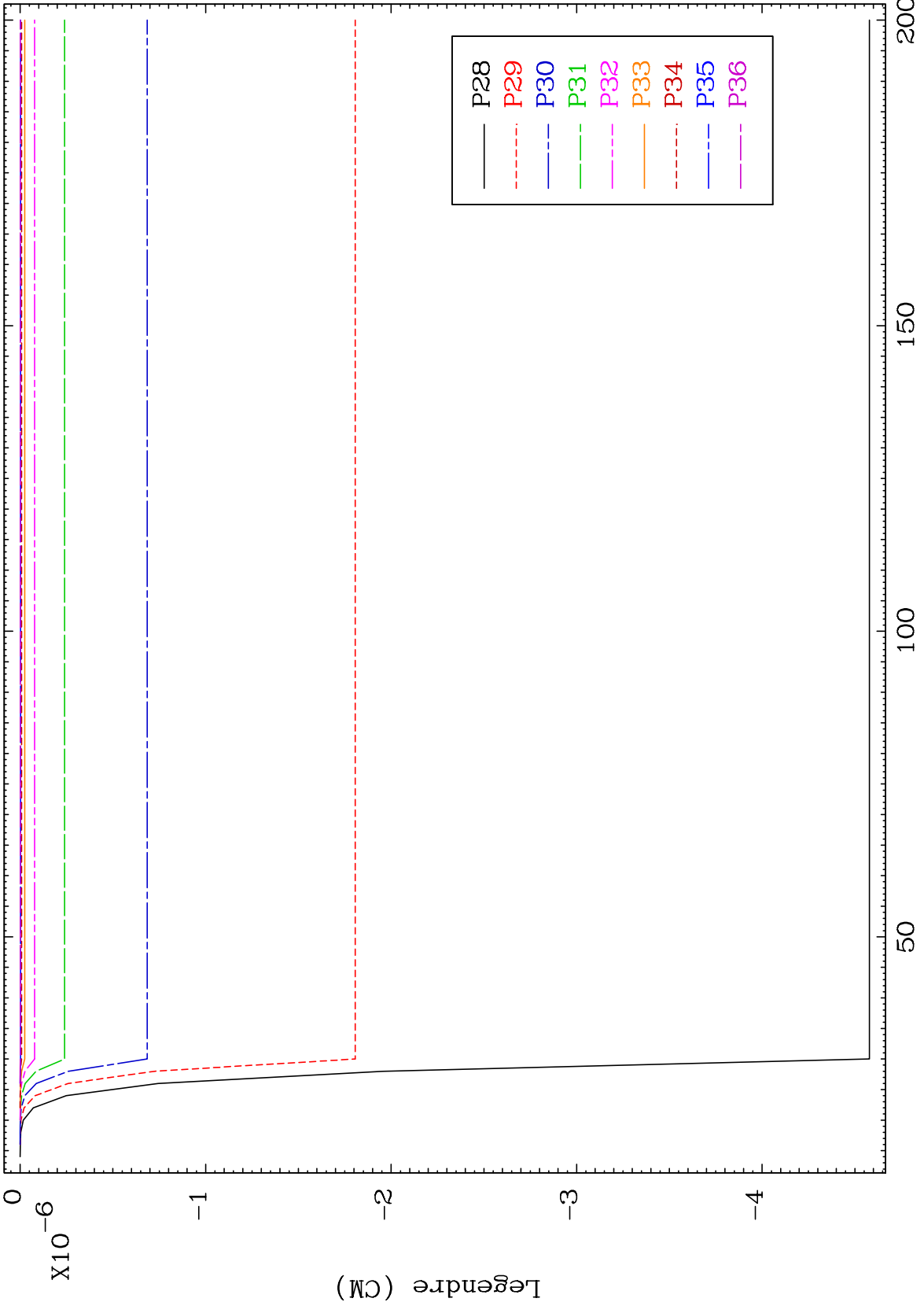
MAT 7004

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

70-Yb-161

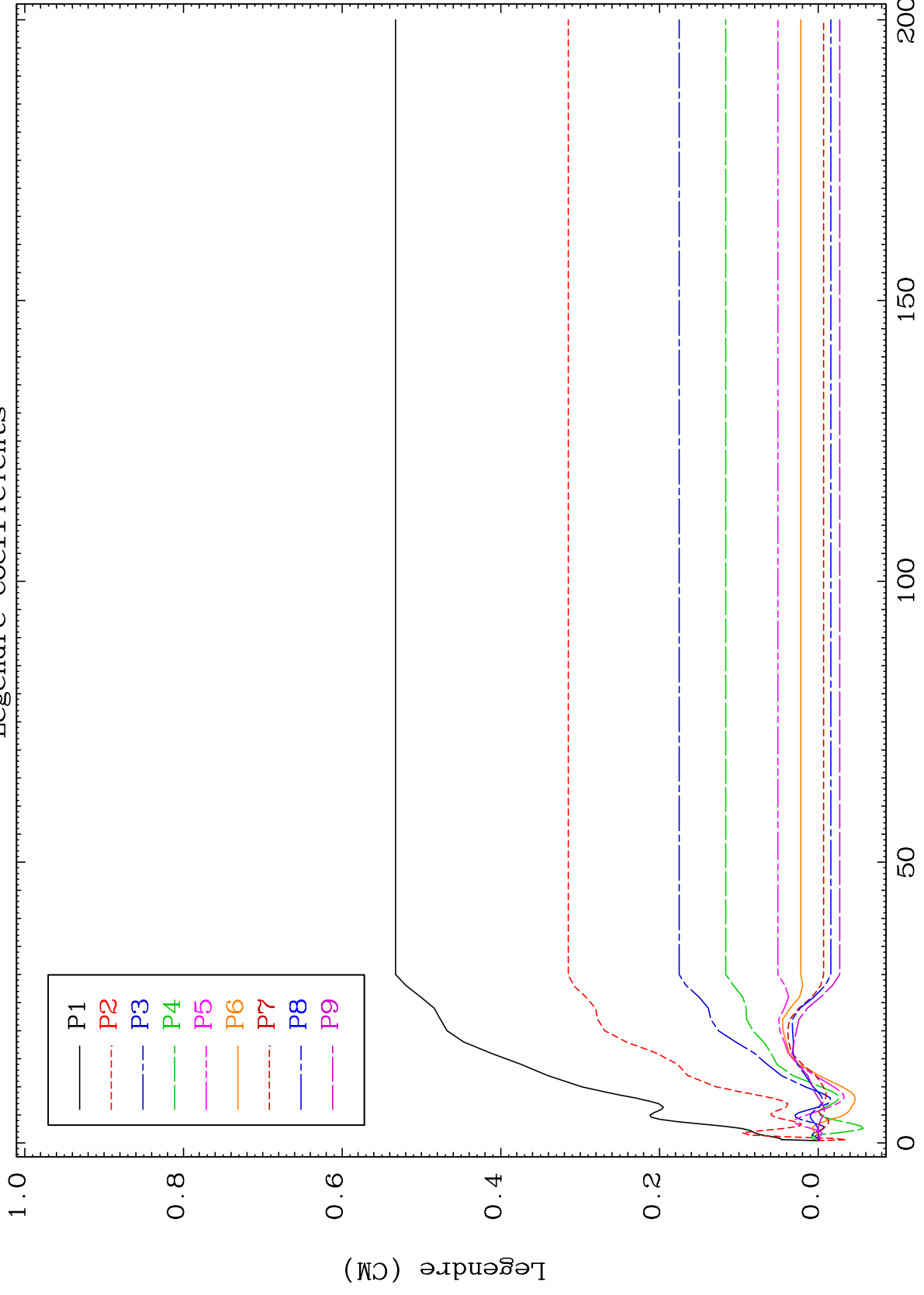


MAT 7004 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-161



45 Incident Energy (MeV) 70-Yb-161

MAT 7004 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-161

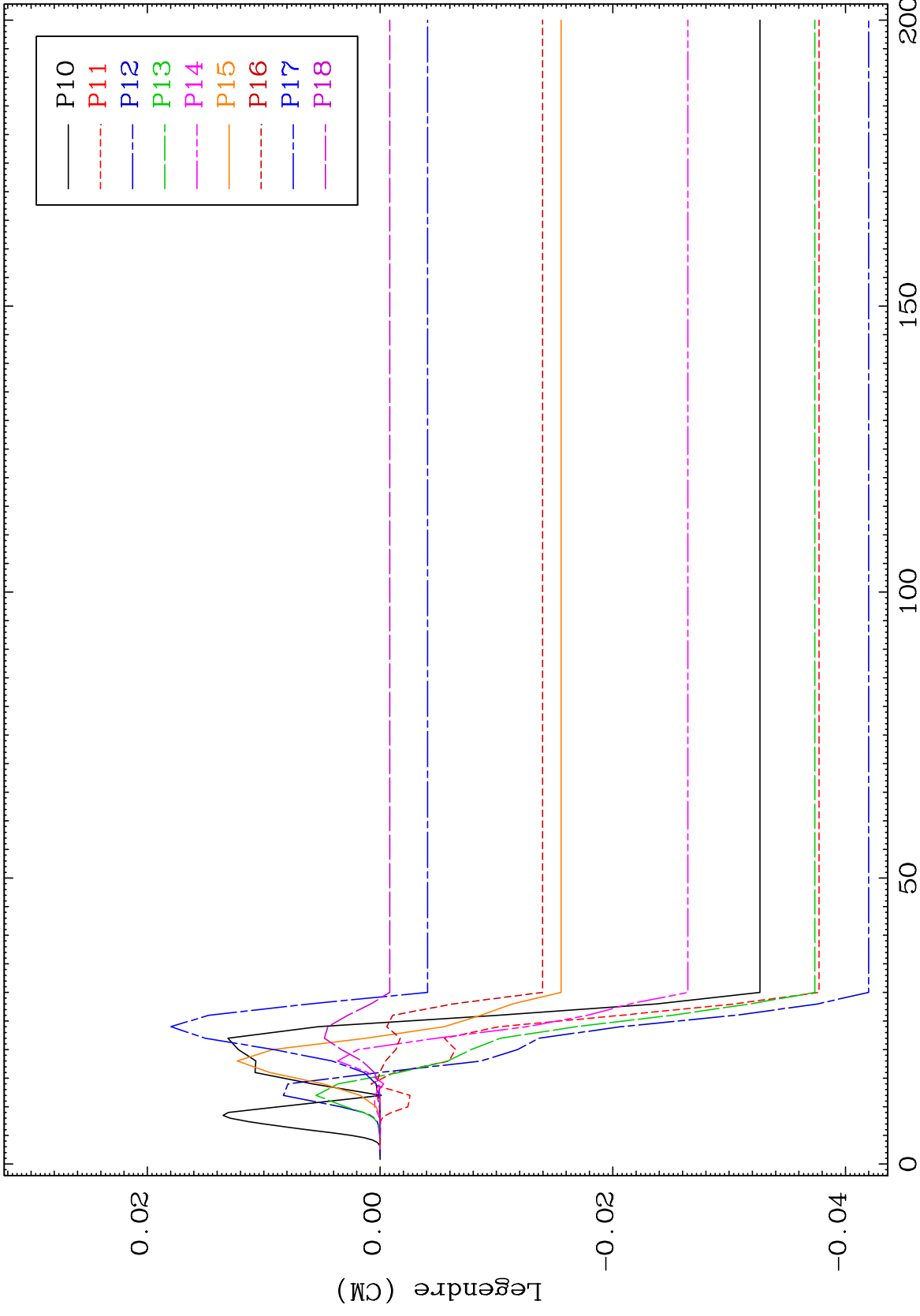


46 70-Yb-161

MAT 7004

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

70-Yb-161



47

Incident Energy (MeV)

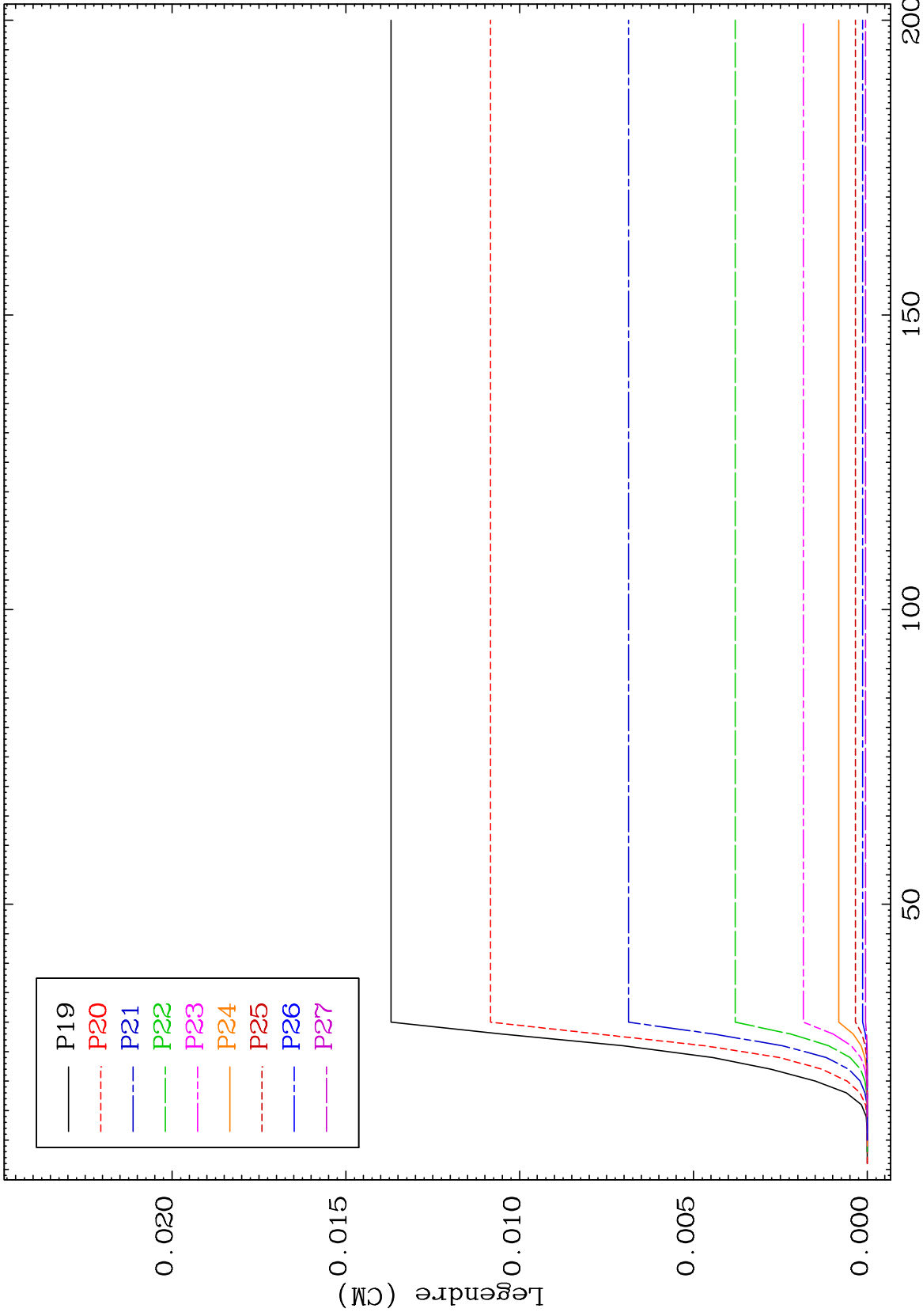
70-Yb-161



MAT 7004

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

70-Yb-161



48

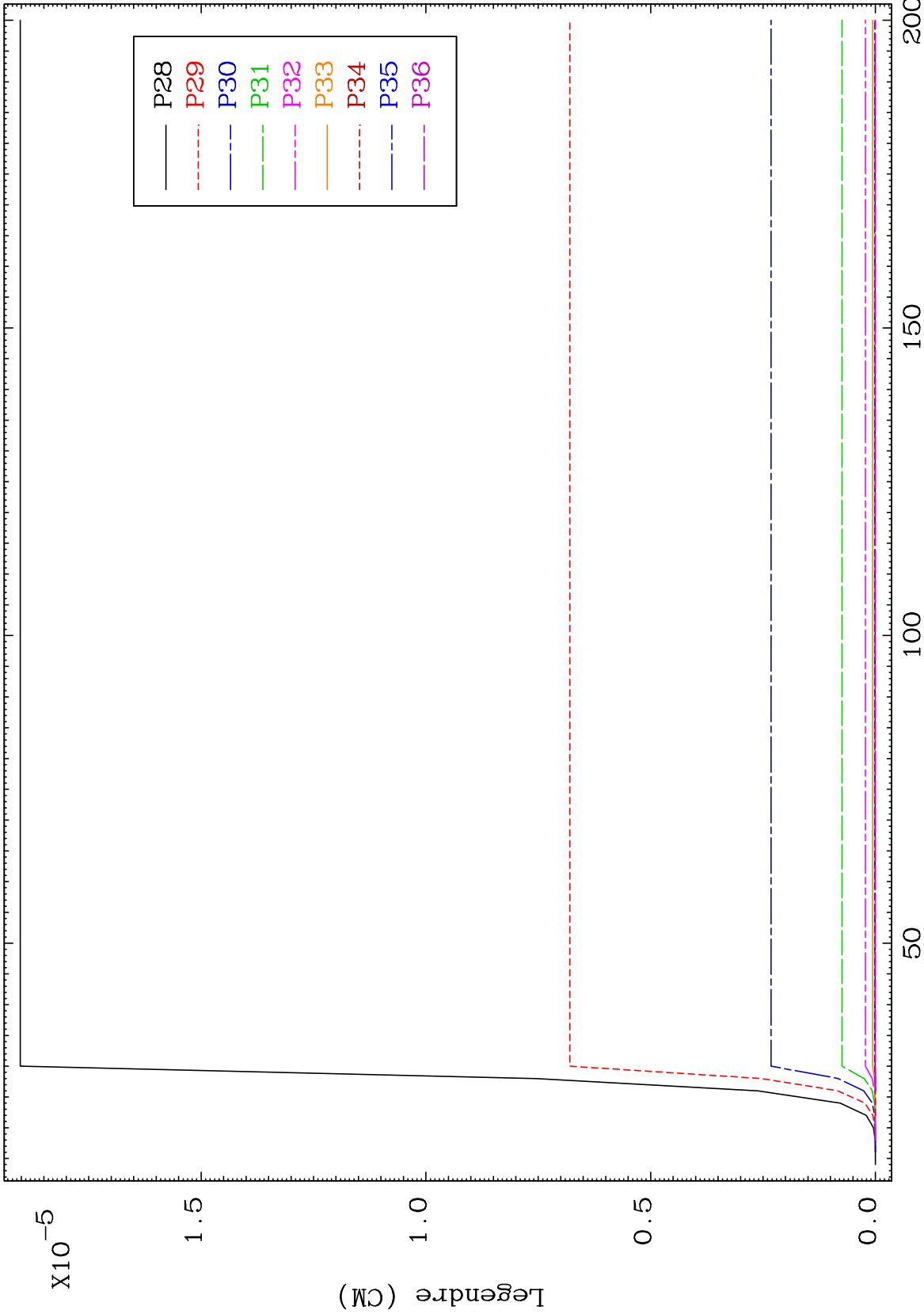
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



49

Incident Energy (MeV)

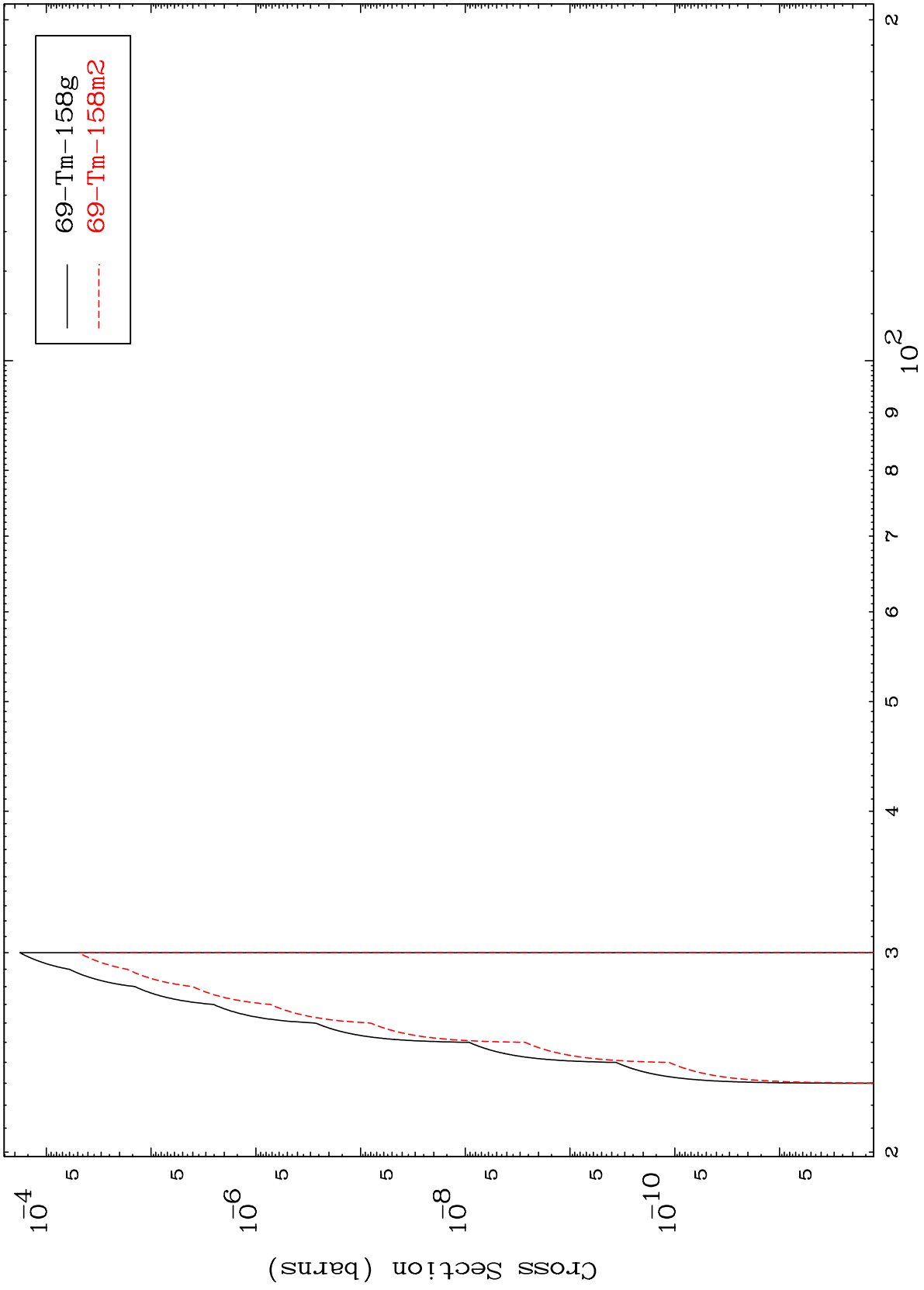
70-Yb-161

MAT 7004

(n,2n) d

70-Yb-161

Radionuclide Production Cross Section



50

Incident Energy (MeV)

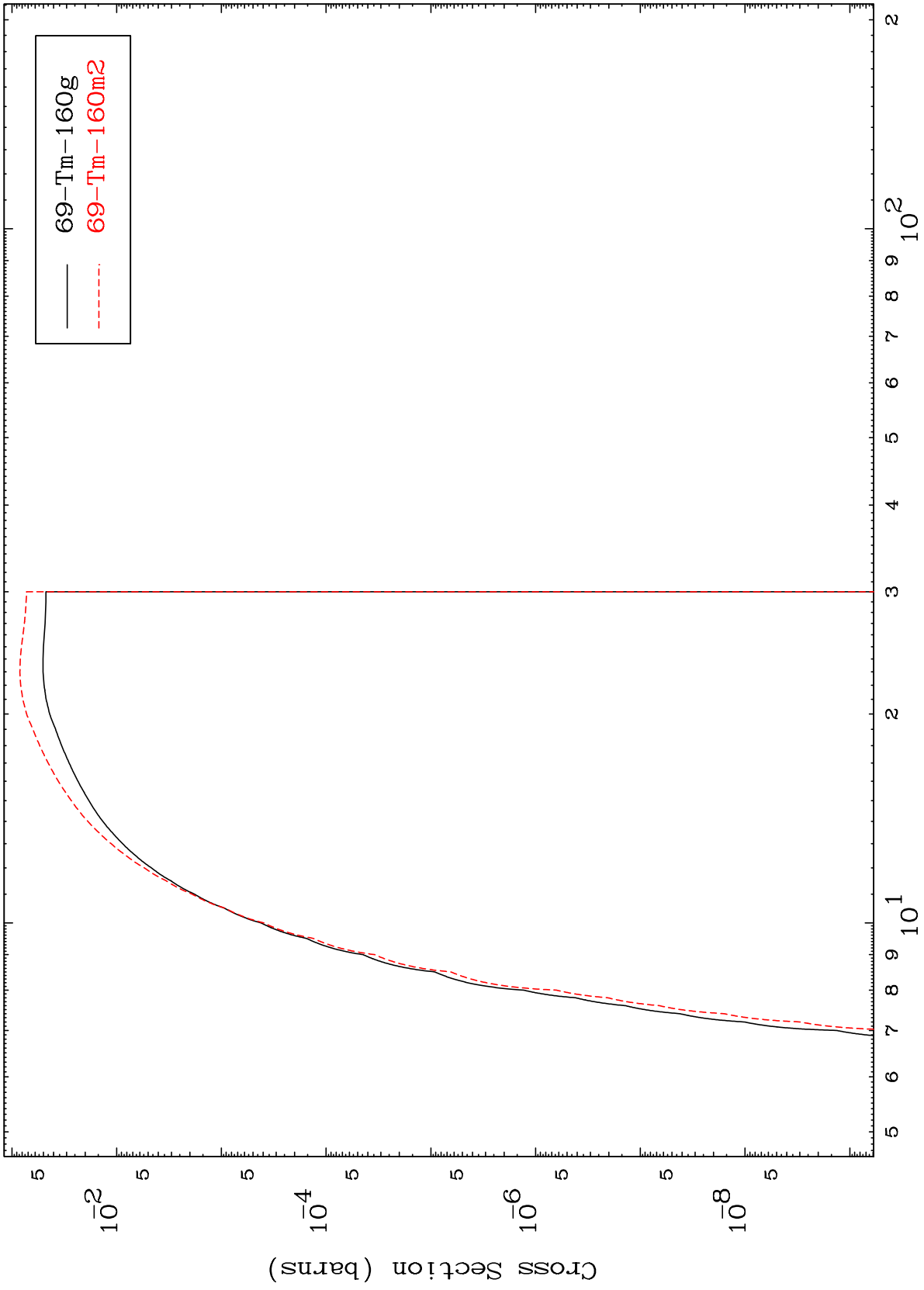
70-Yb-161

MAT 7004

(n, n') p

70-Yb-161

Radionuclide Production Cross Section



51

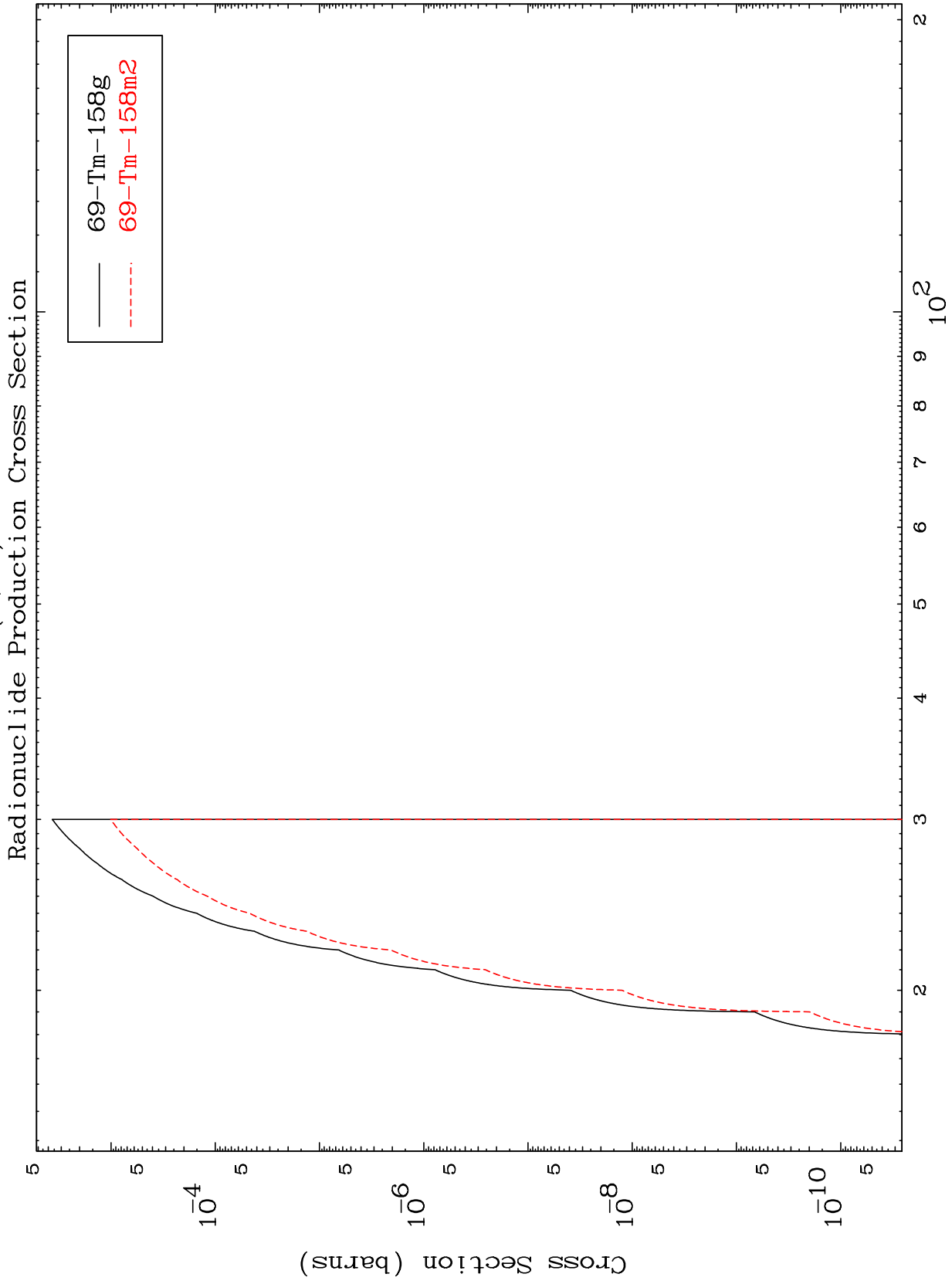
Incident Energy (MeV)

70-Yb-161

MAT 7004

(n,n') t

70-Yb-161



52

Incident Energy (MeV)

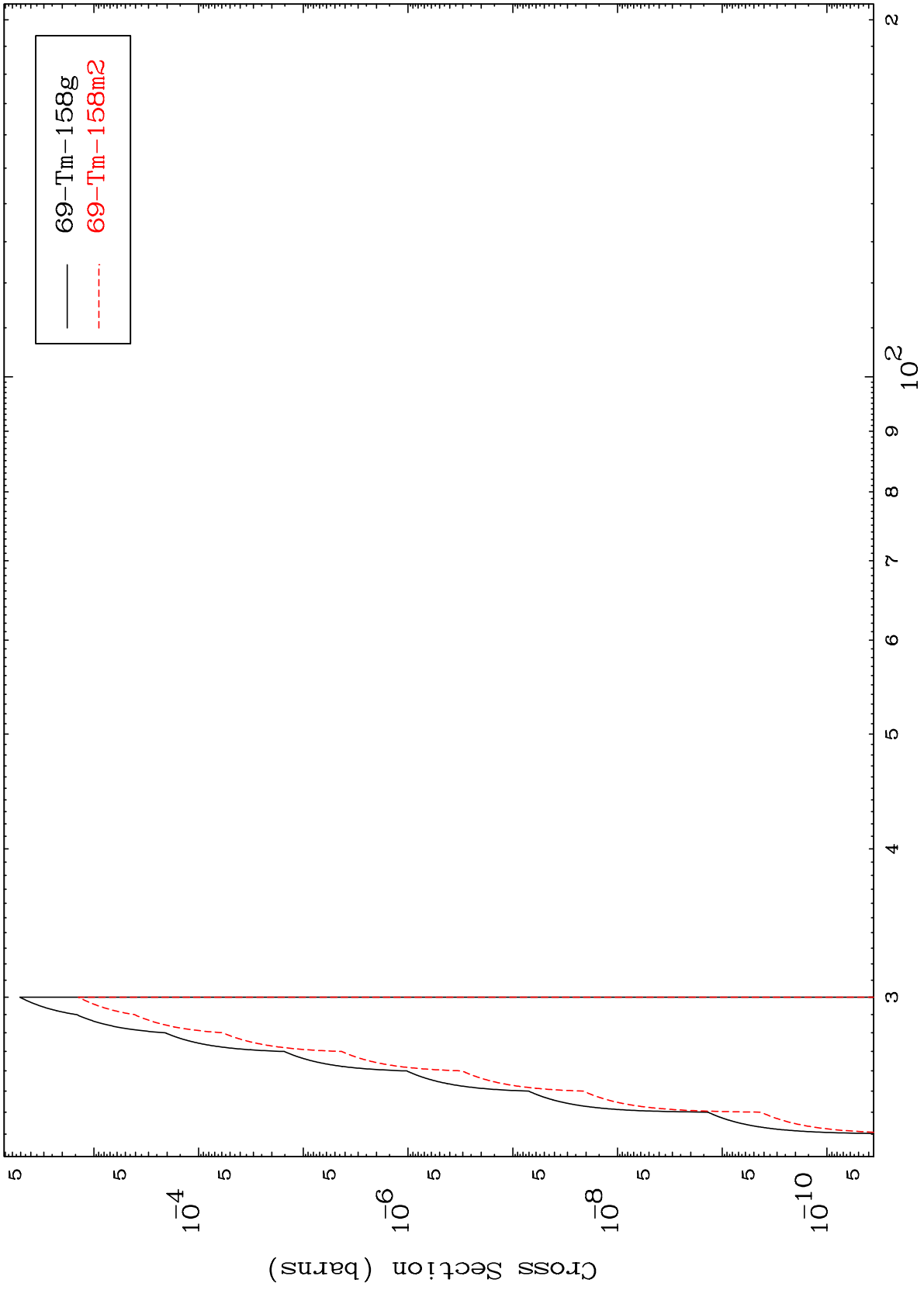
70-Yb-161

MAT 7004

(n,3n) p

70-Yb-161

Radionuclide Production Cross Section



53

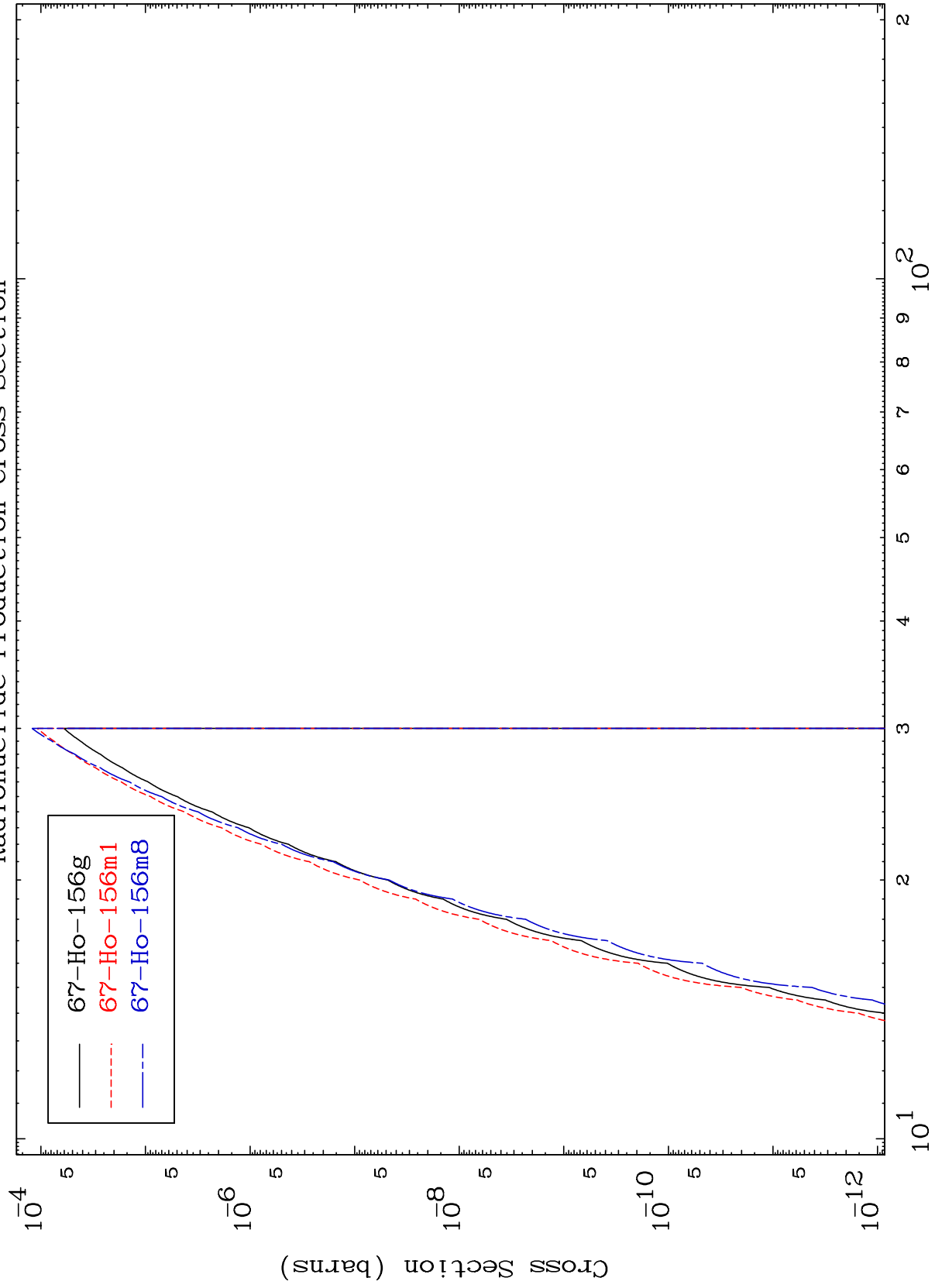
Incident Energy (MeV)

70-Yb-161

MAT 7004

70-Yb-161

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



54

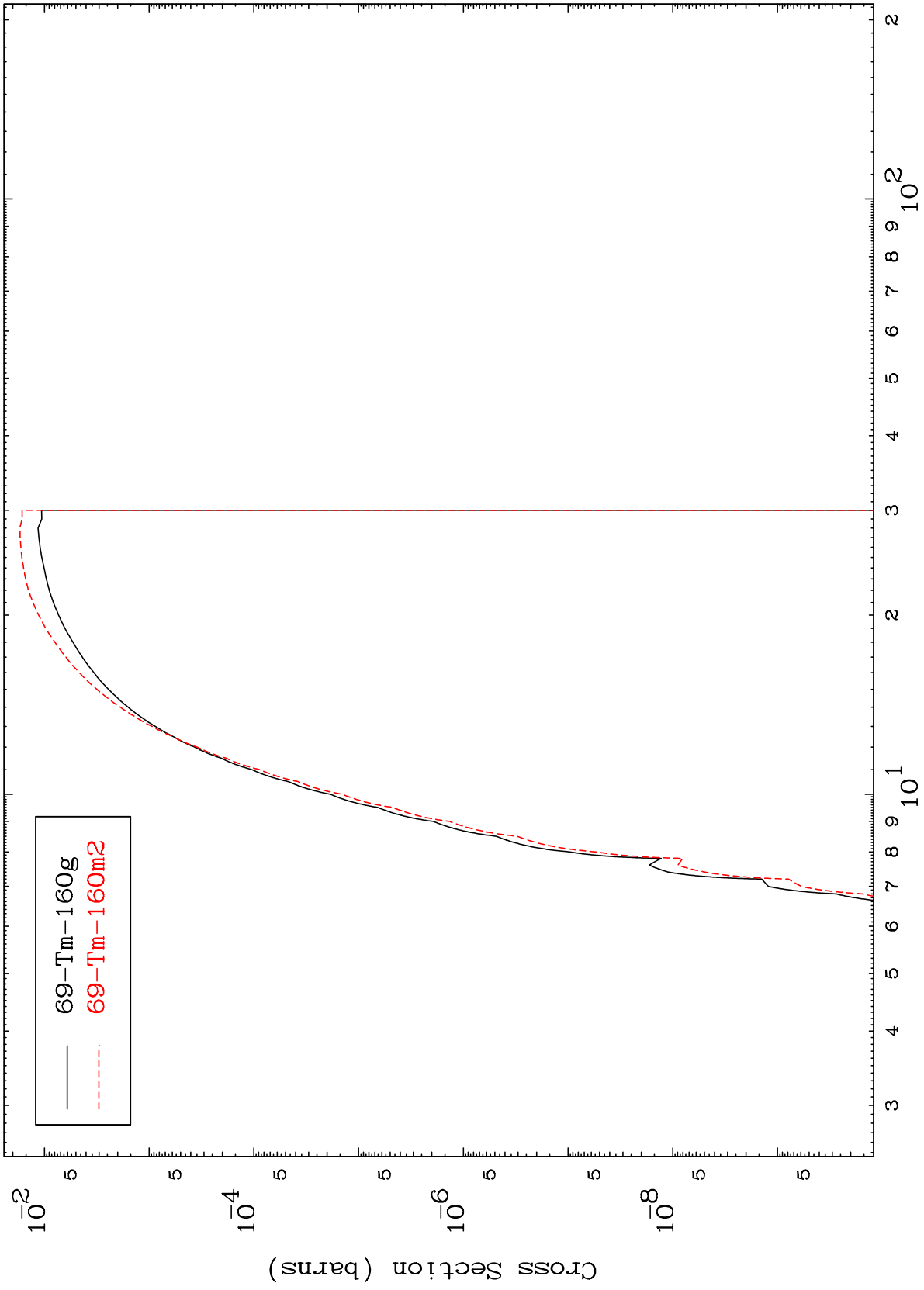
Incident Energy (MeV)

70-Yb-161

MAT 7004

Radionuclide Production Cross Section  
(n,d)

70-Yb-161



55

Incident Energy (MeV)

70-Yb-161

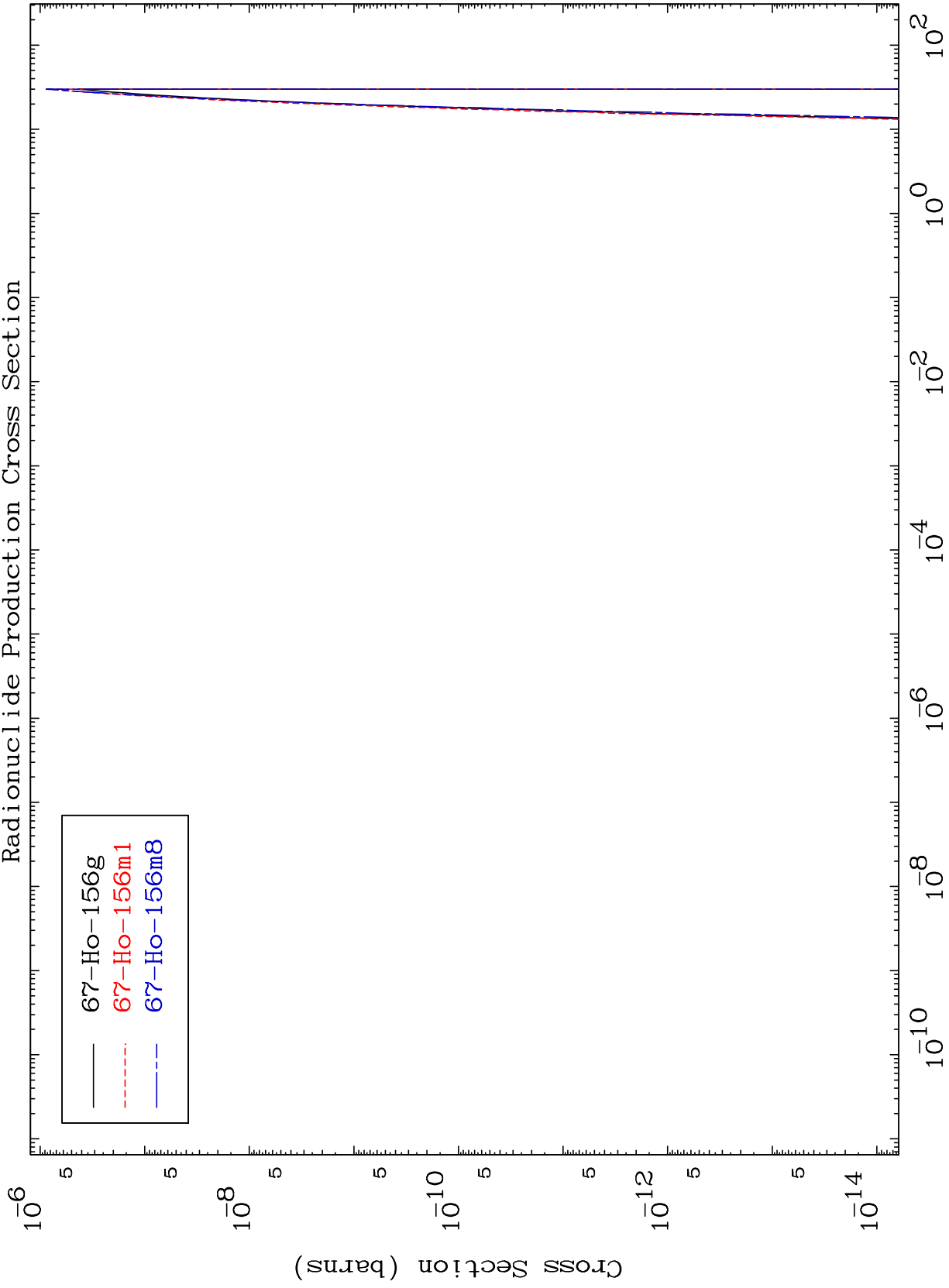


MAT 7004

(n,d)  $\alpha$

70-Yb-161

Radionuclide Production Cross Section



56

Incident Energy (MeV)

70-Yb-161