

Program EVALPLOT  
(Version 2021-1)

by

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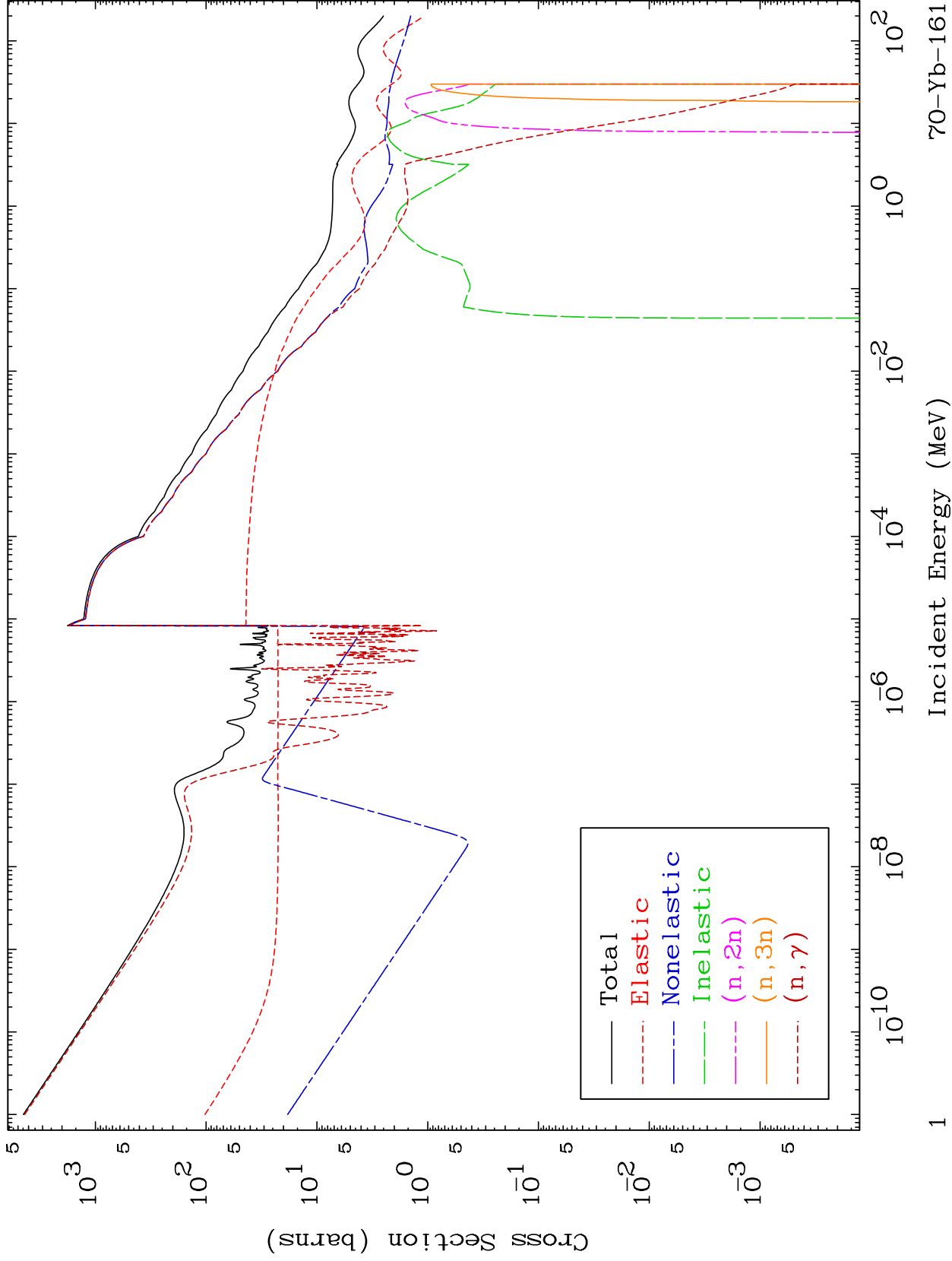
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7004

Neutron Major  
293 Kelvin Cross Sections

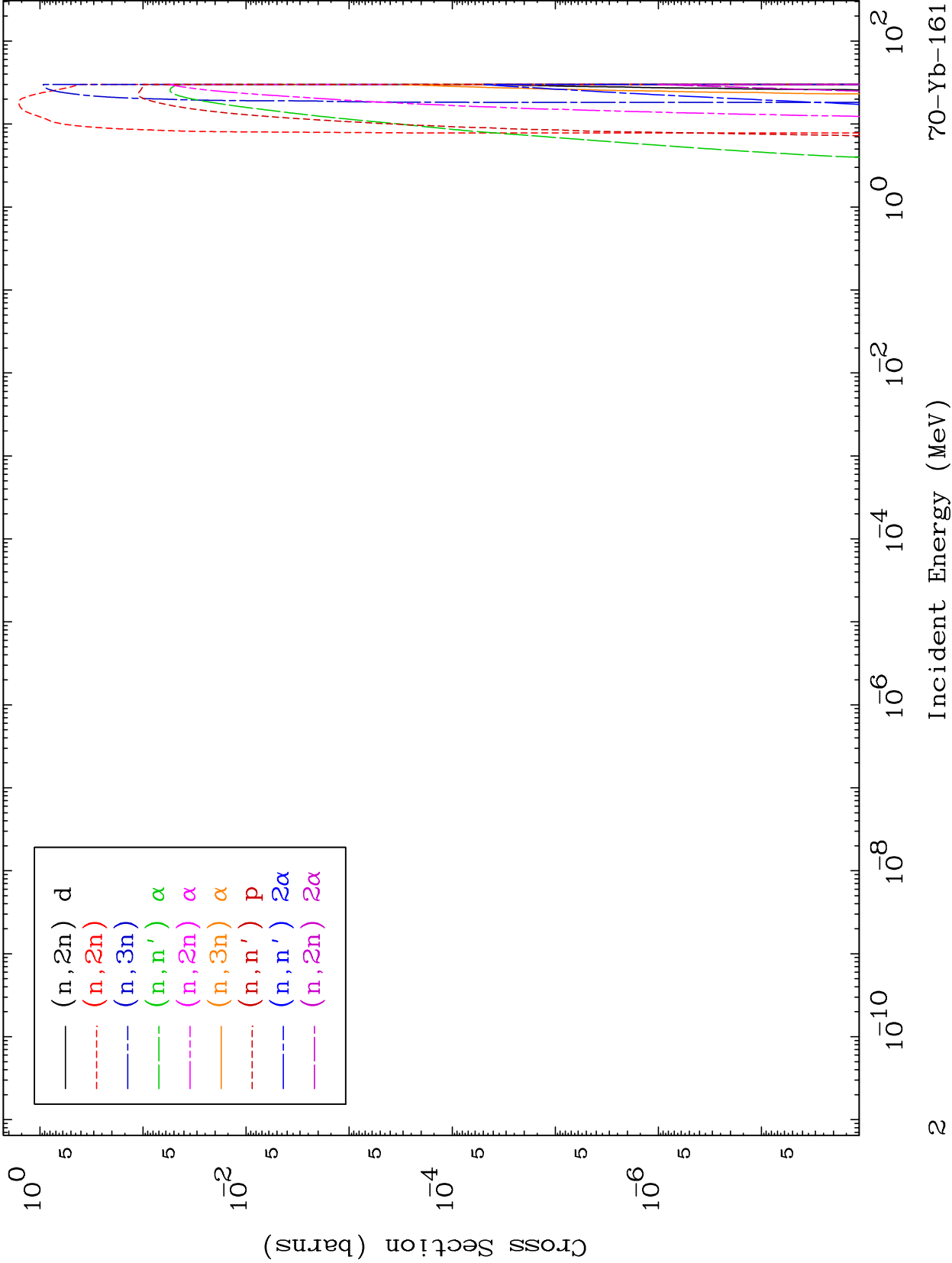
70-Yb-161



MAT 7004

Neutron Absorption  
293 Kelvin Cross Sections

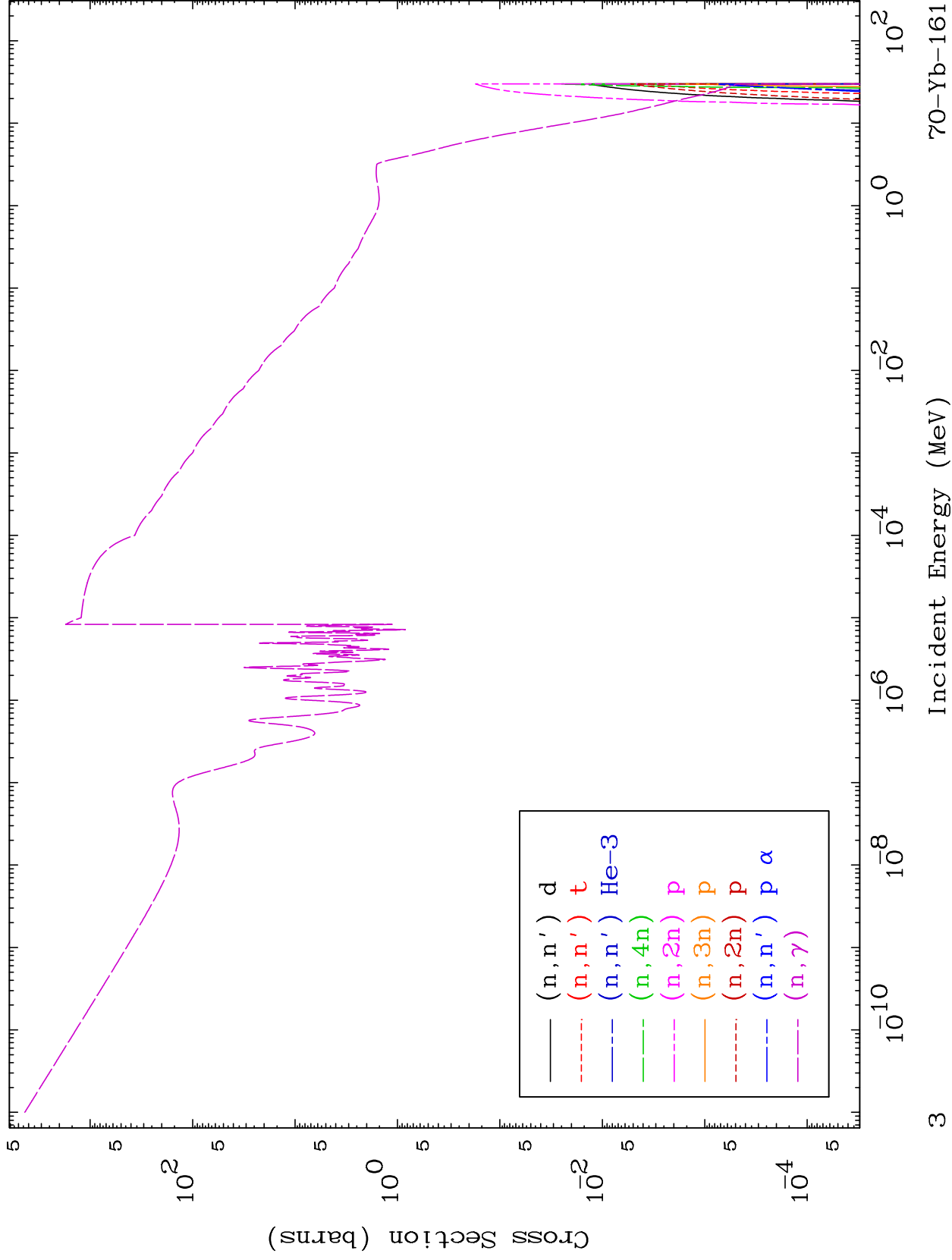
70-Yb-161



MAT 7004

Neutron Absorption  
293 Kelvin Cross Sections

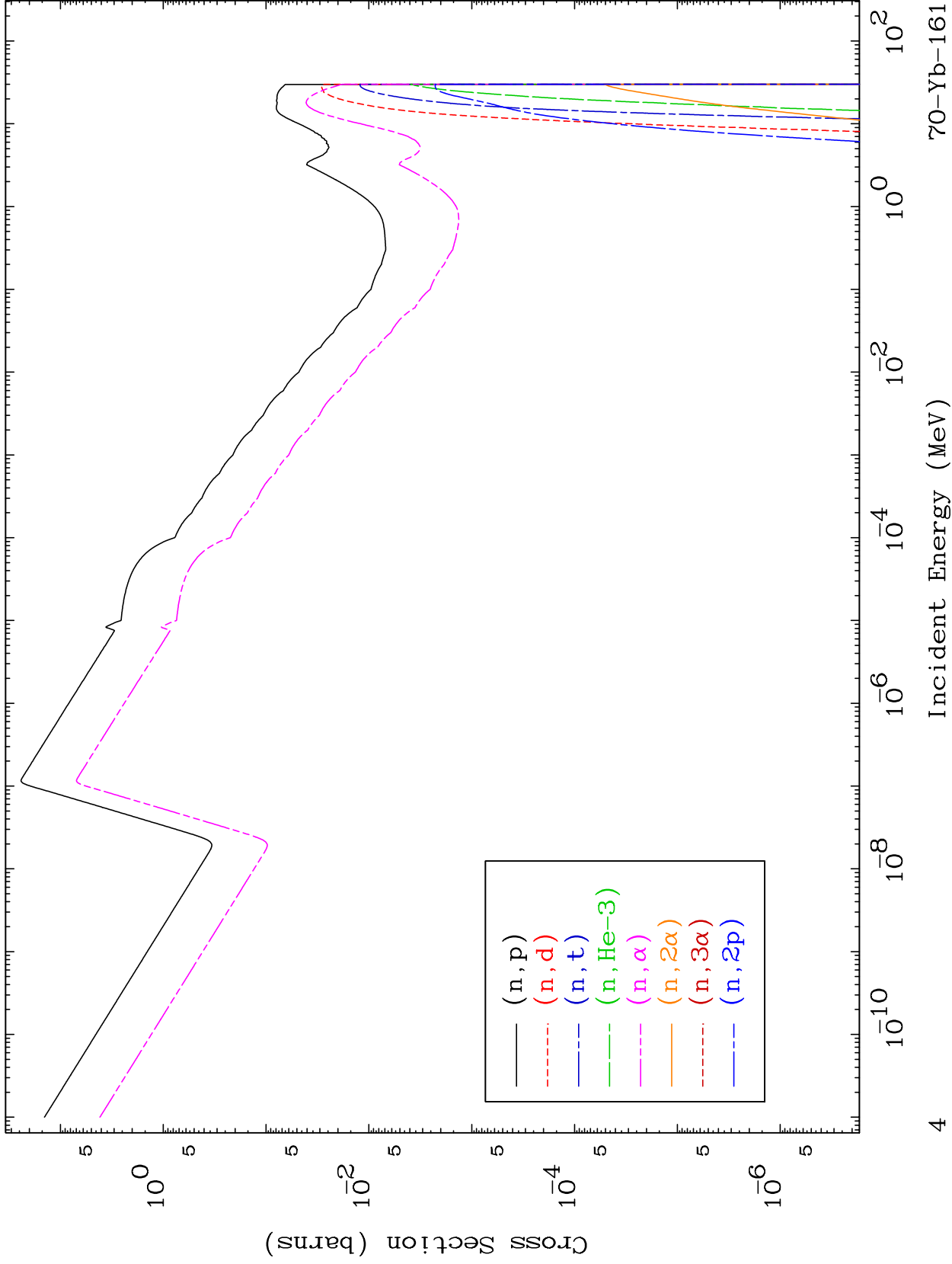
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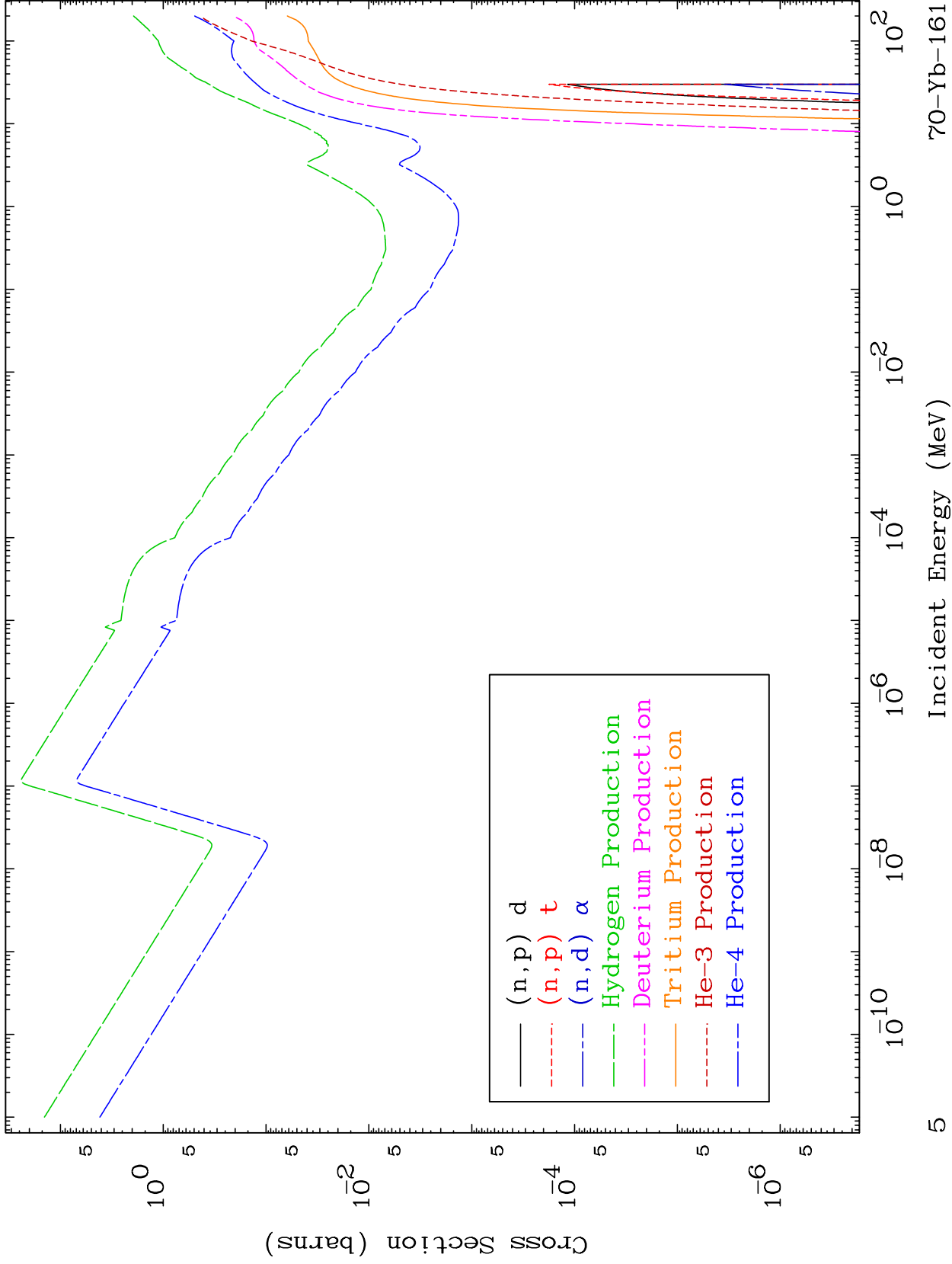


MAT 7004

Neutron Absorption  
293 Kelvin Cross Sections

70-Yb-161

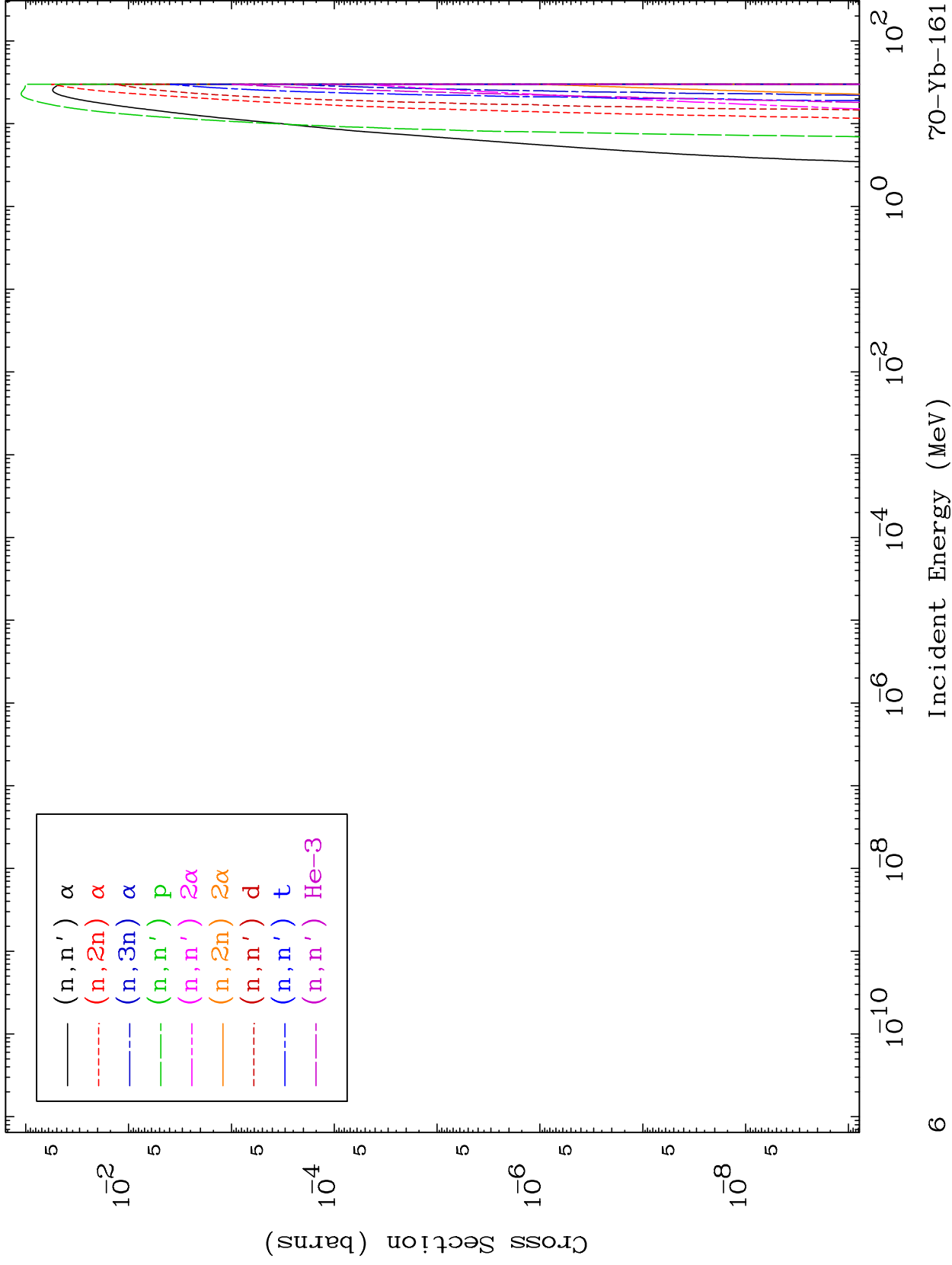




MAT 7004

Charged Particle  
293 Kelvin Cross Sections

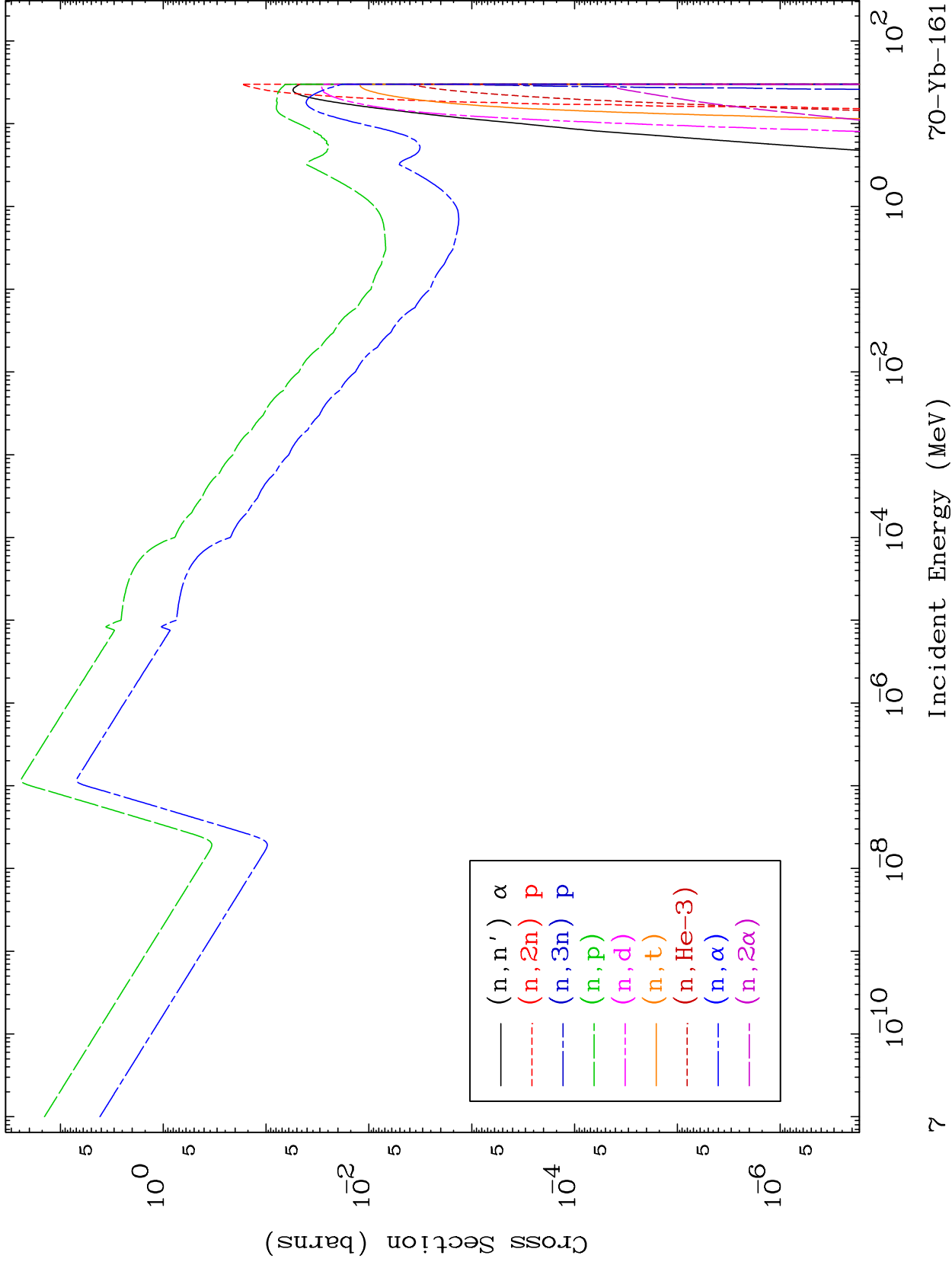
70-Yb-161



MAT 7004

Charged Particle  
293 Kelvin Cross Sections

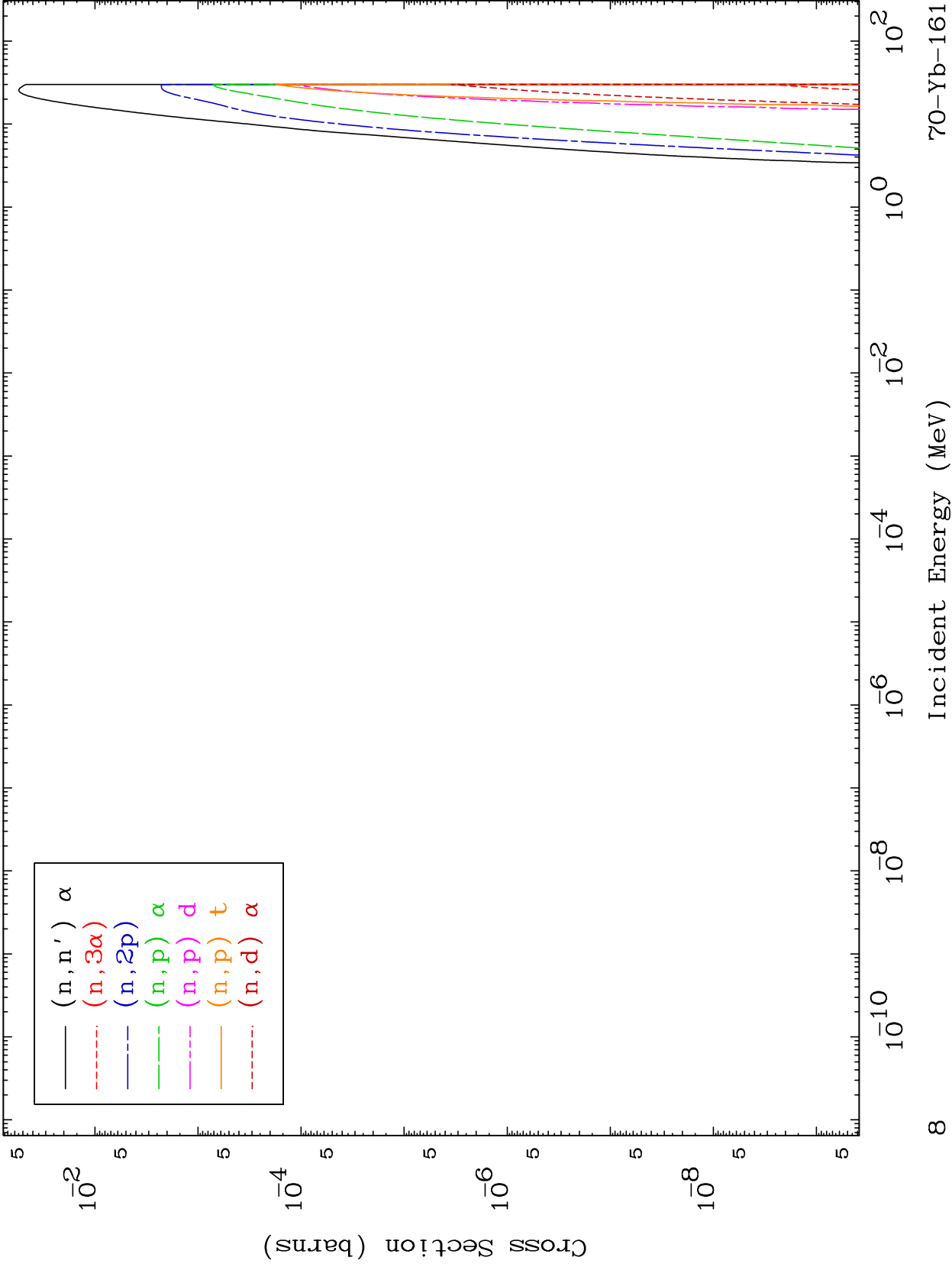
70-Yb-161



MAT 7004

Charged Particle  
293 Kelvin Cross Sections

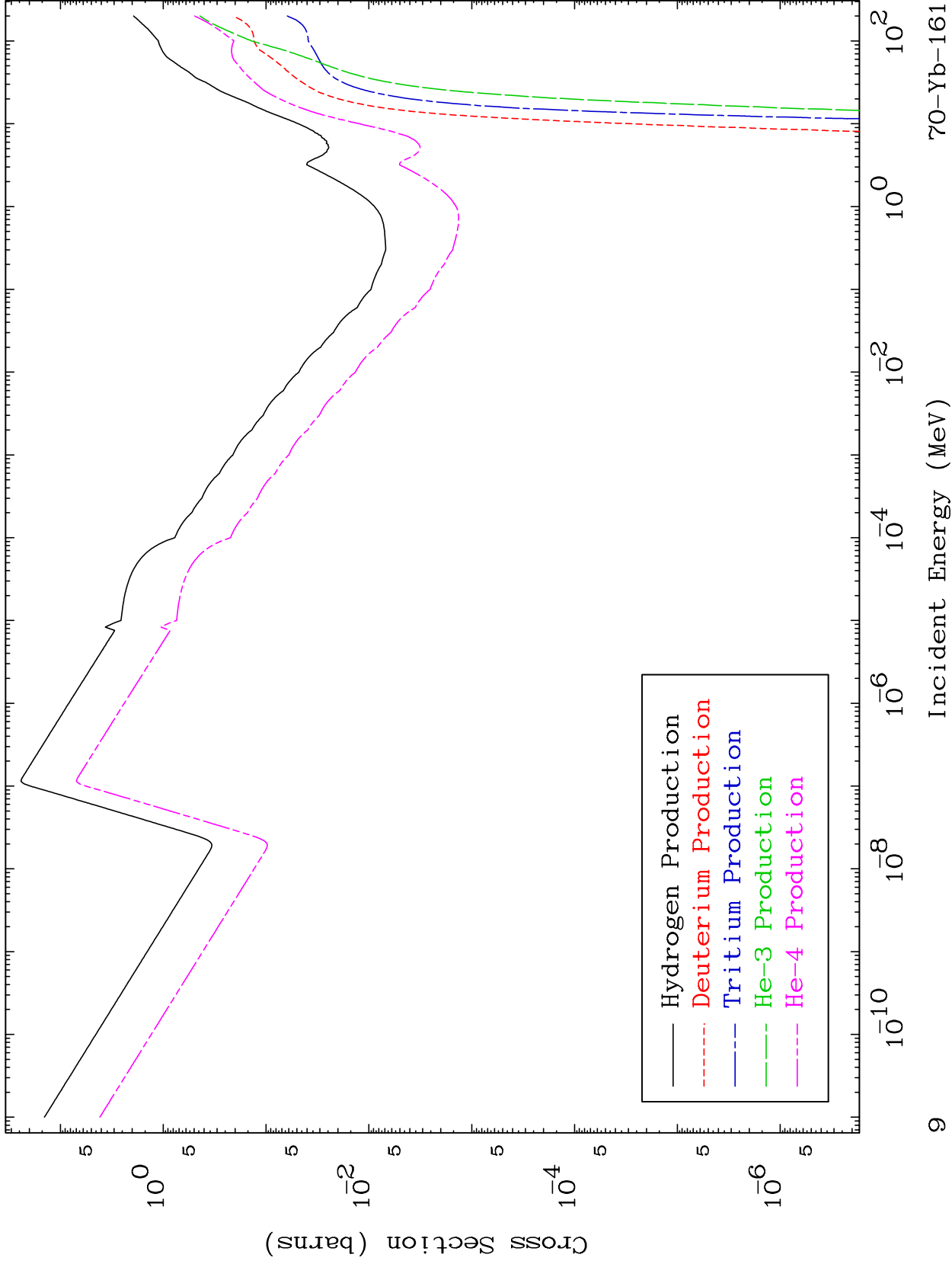
70-Yb-161



MAT 7004

Particle Production  
293 Kelvin Cross Sections

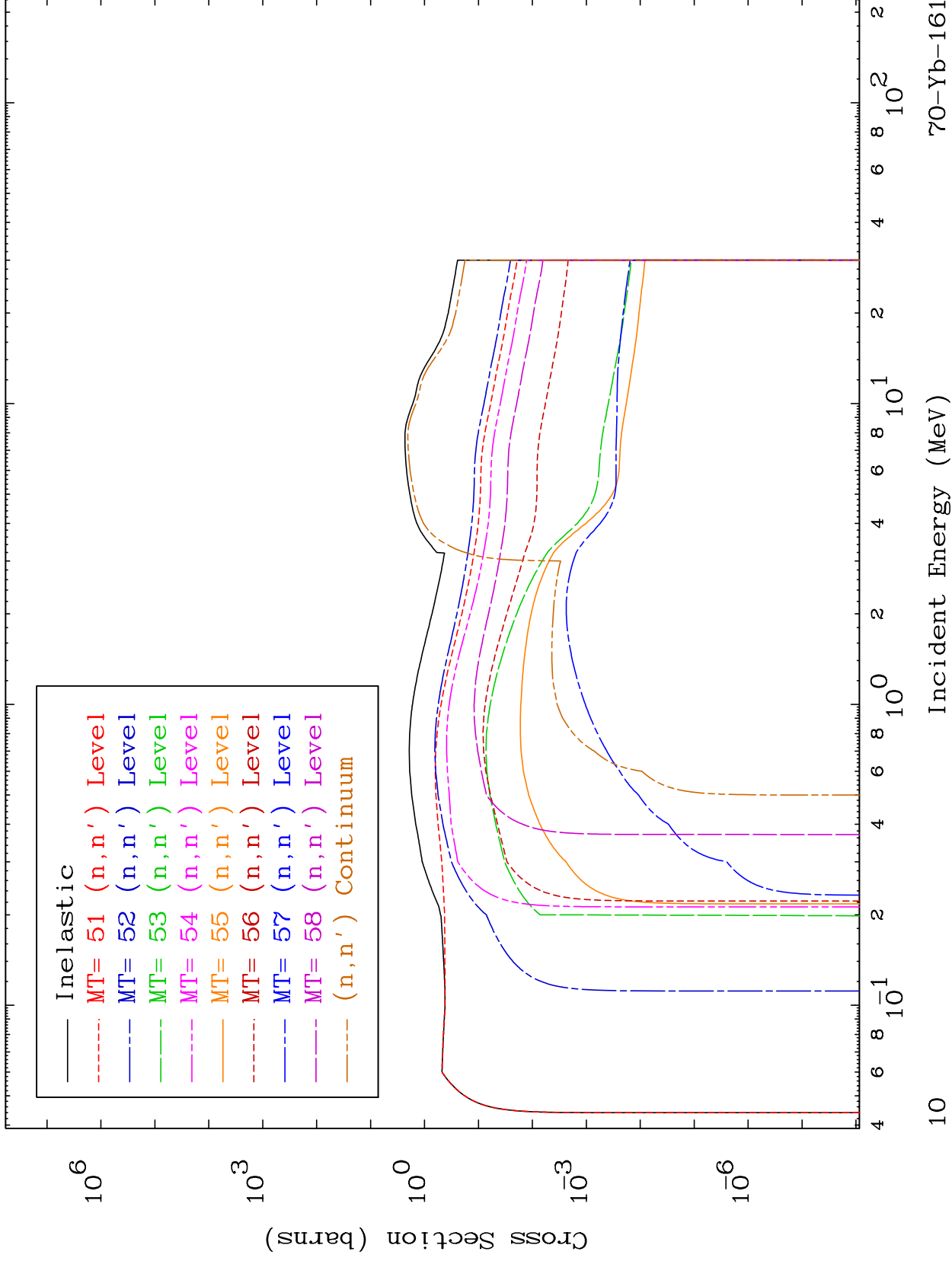
70-Yb-161



MAT 7004

(n,n') Levels  
293 Kelvin Cross Sections

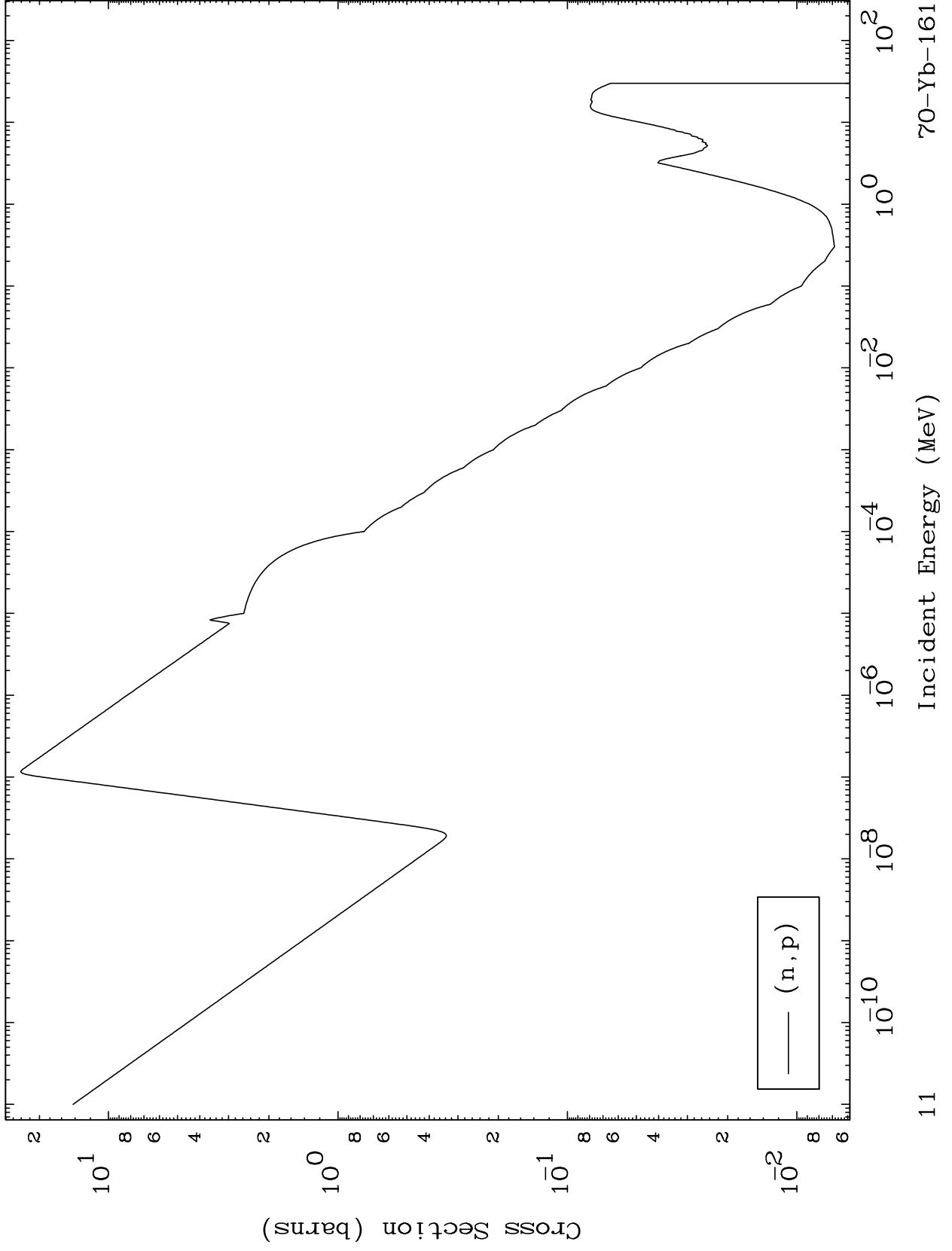
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MAT 7004

(n,p) Levels  
293 Kelvin Cross Sections

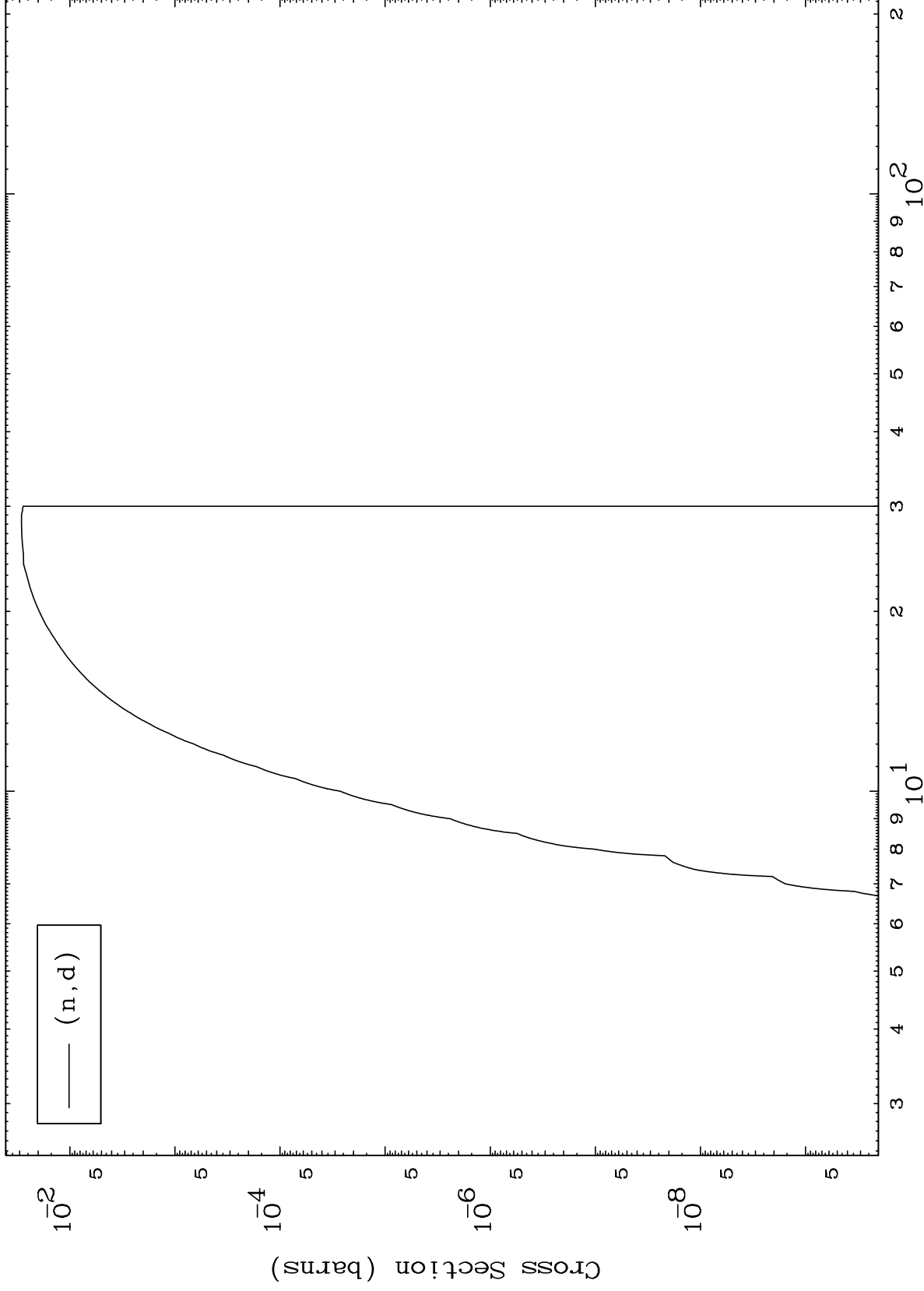
70-Yb-161



MAT 7004

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-161



(n,d)

12

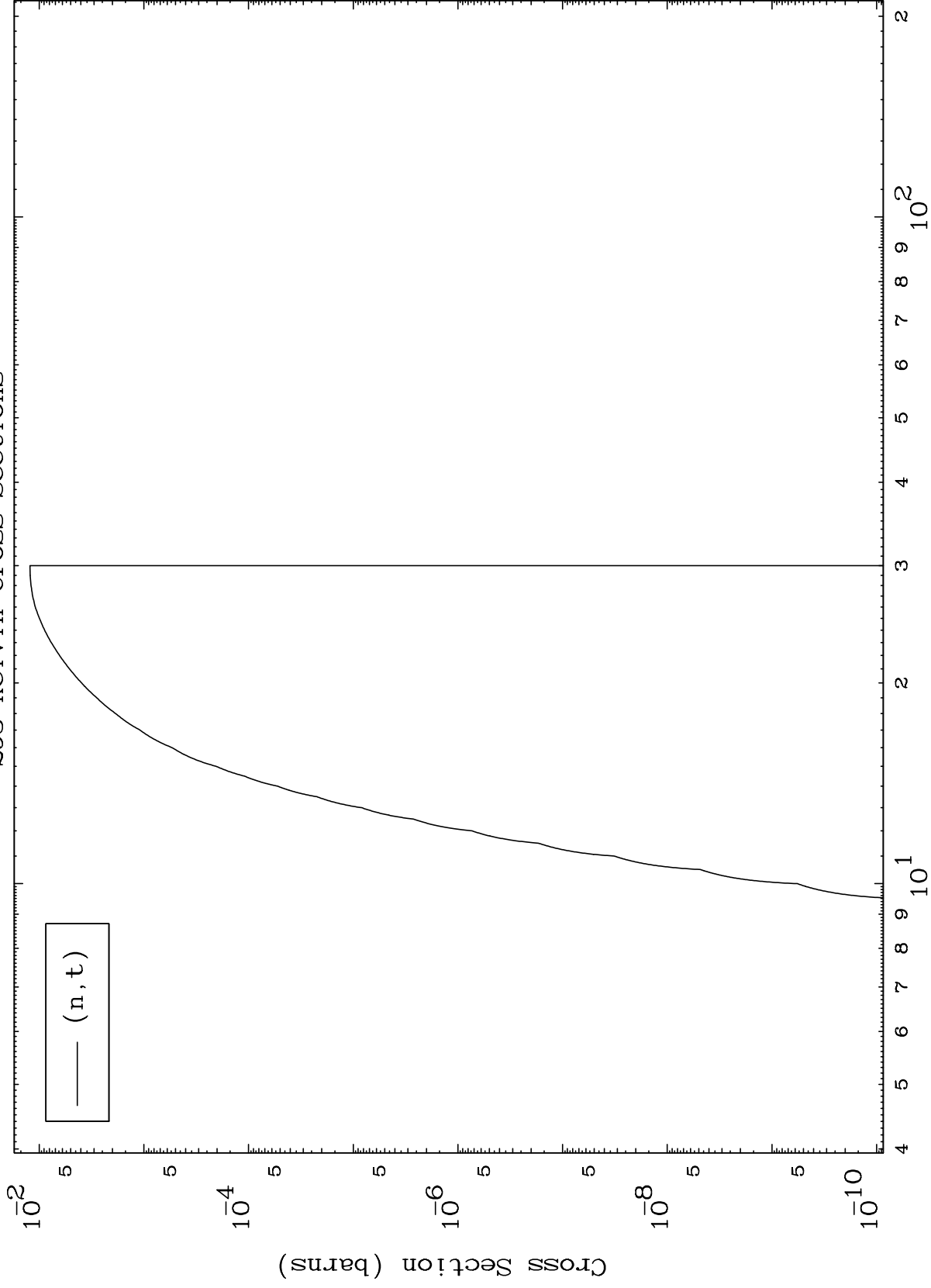
Incident Energy (MeV)

70-Yb-161

MAT 7004

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-161



13

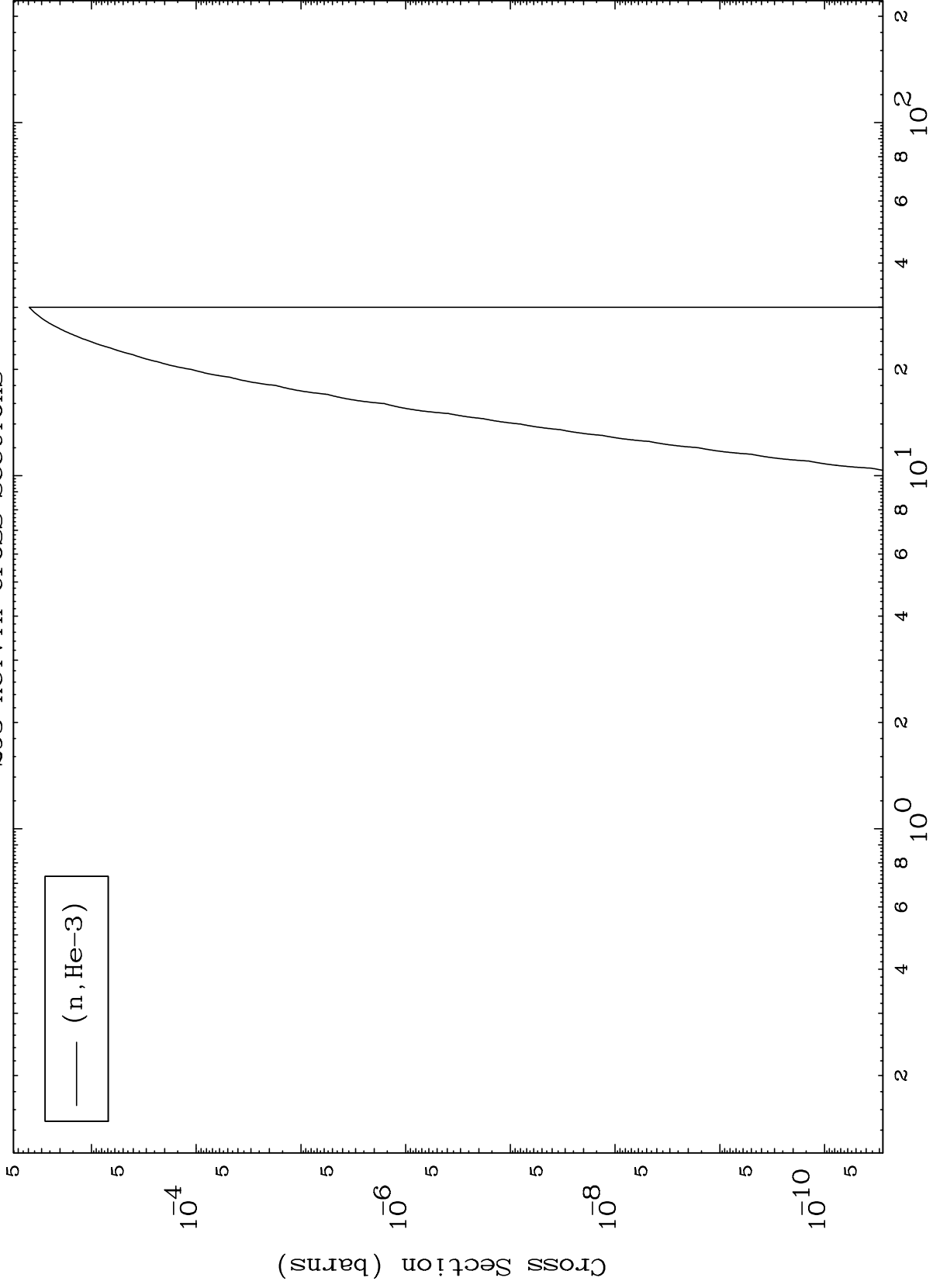
Incident Energy (MeV)

70-Yb-161

MAT 7004

(n,He3) Levels  
293 Kelvin Cross Sections

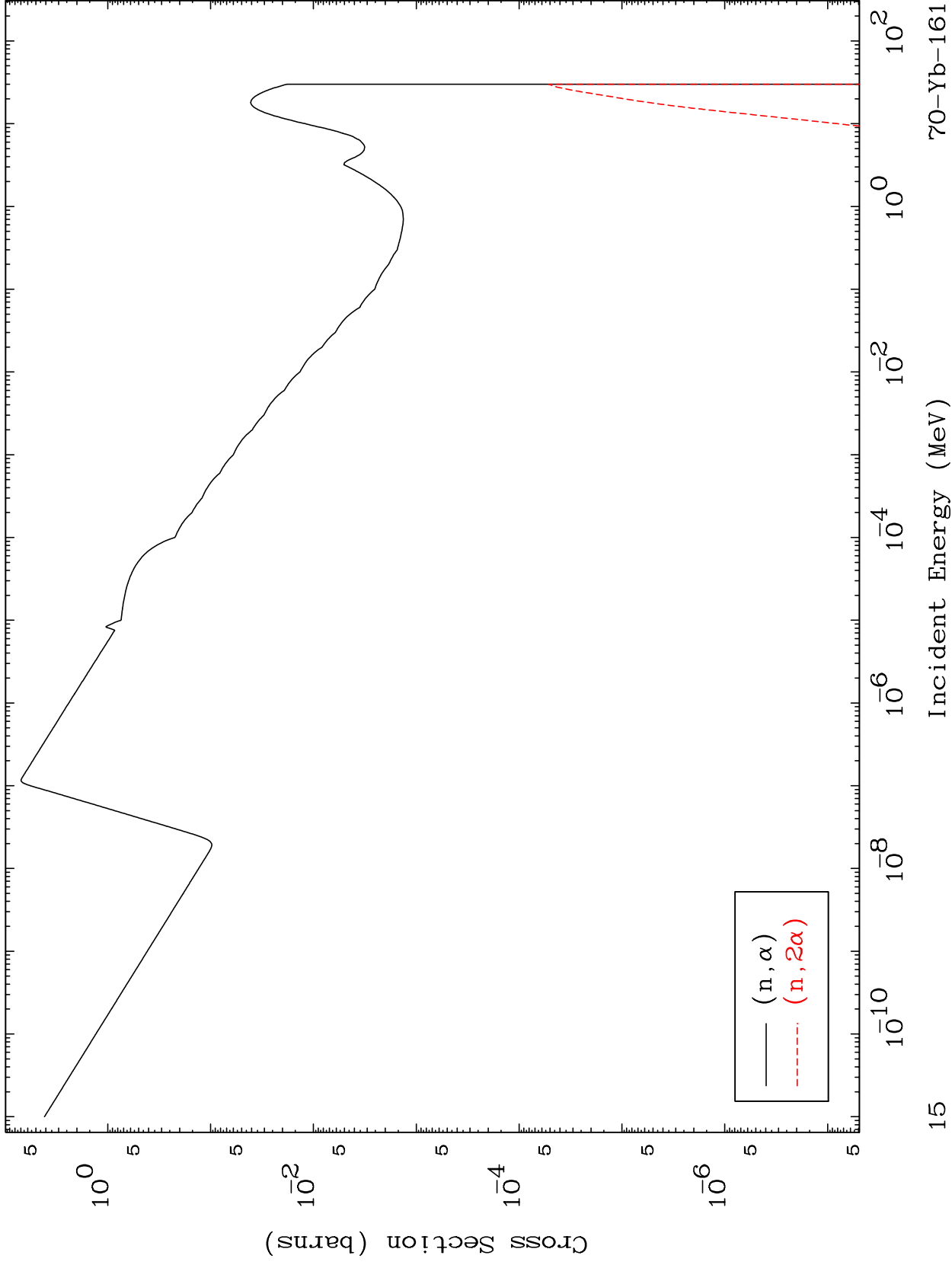
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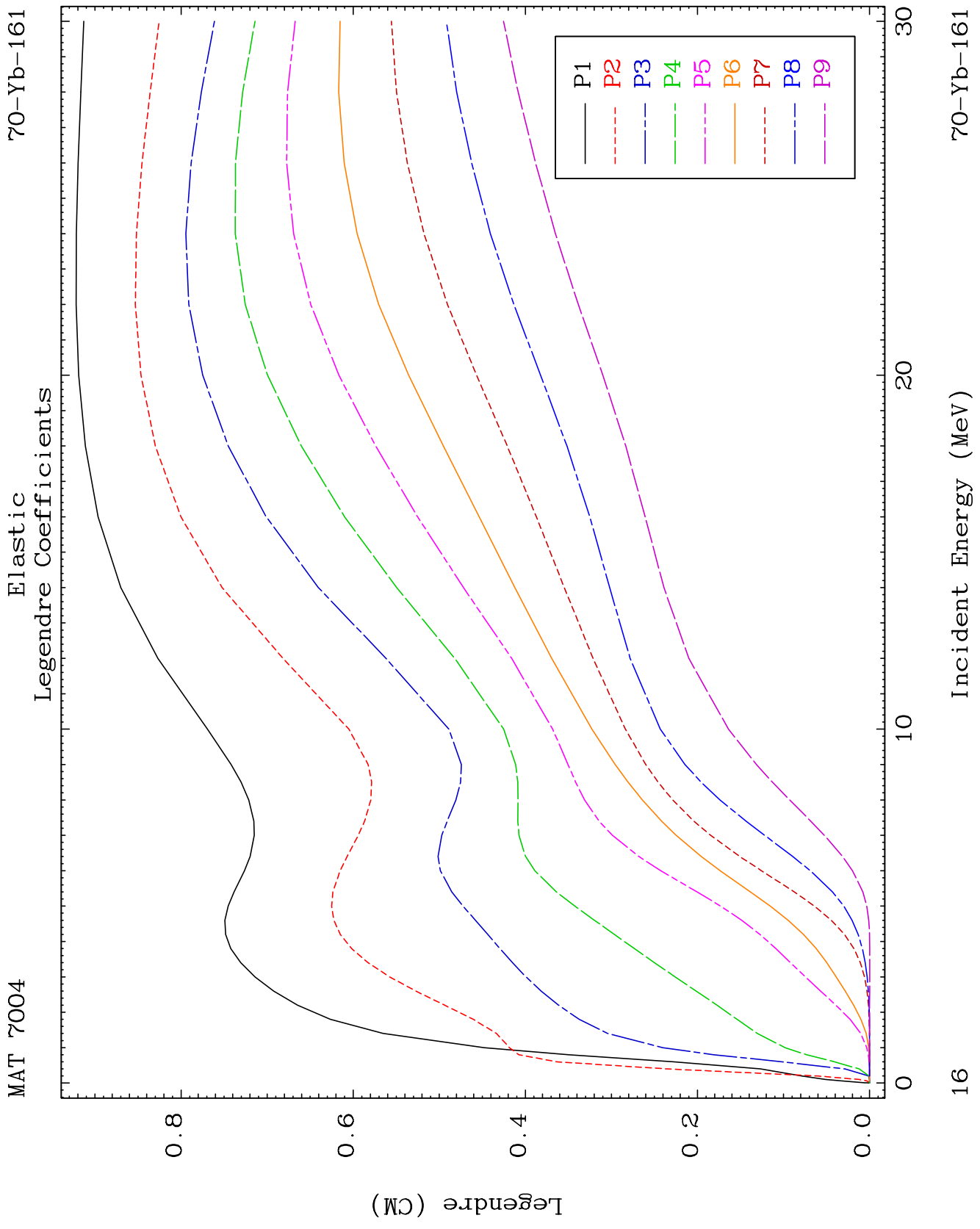


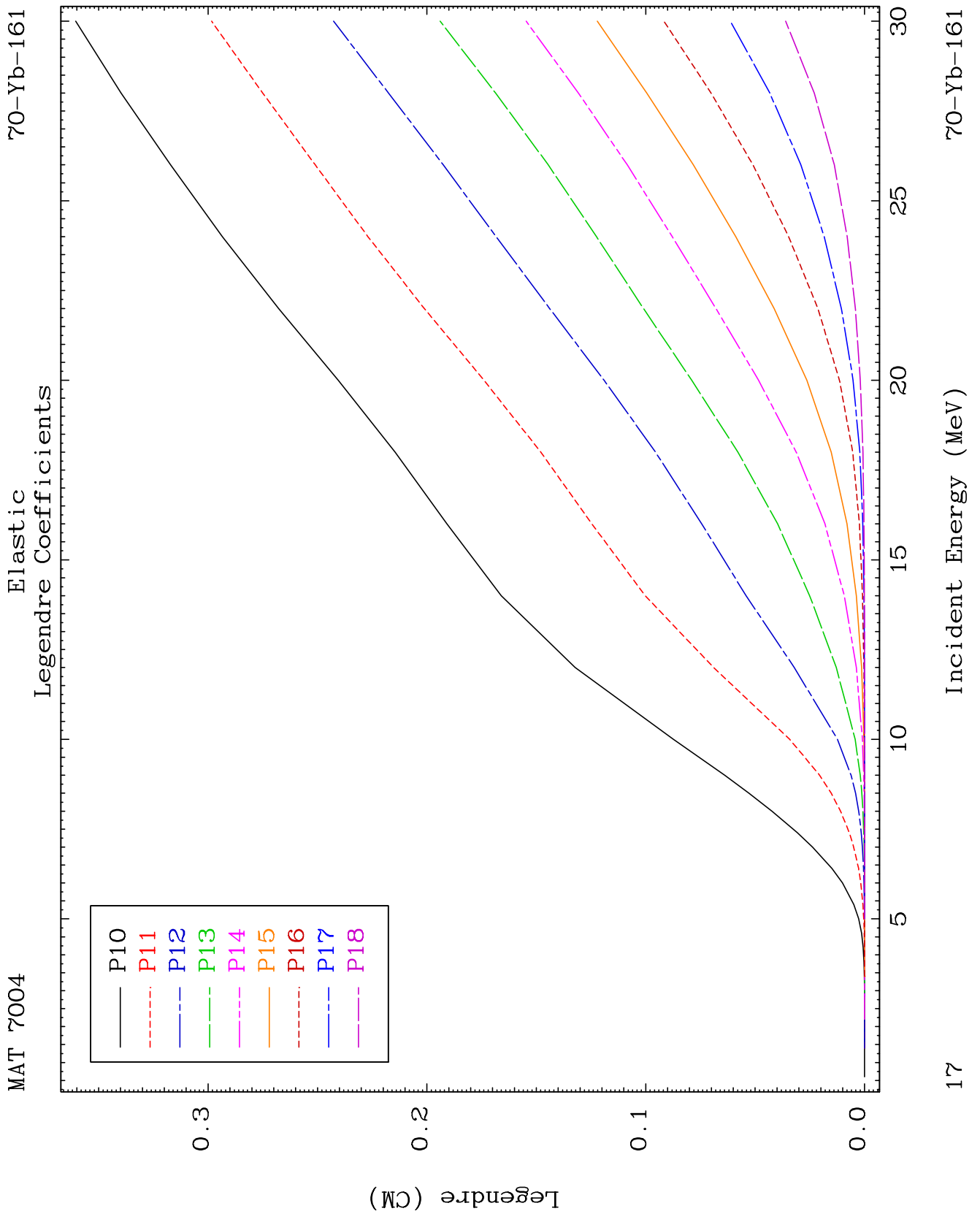
MAT 7004

(n,α) Levels  
293 Kelvin Cross Sections

70-Yb-161



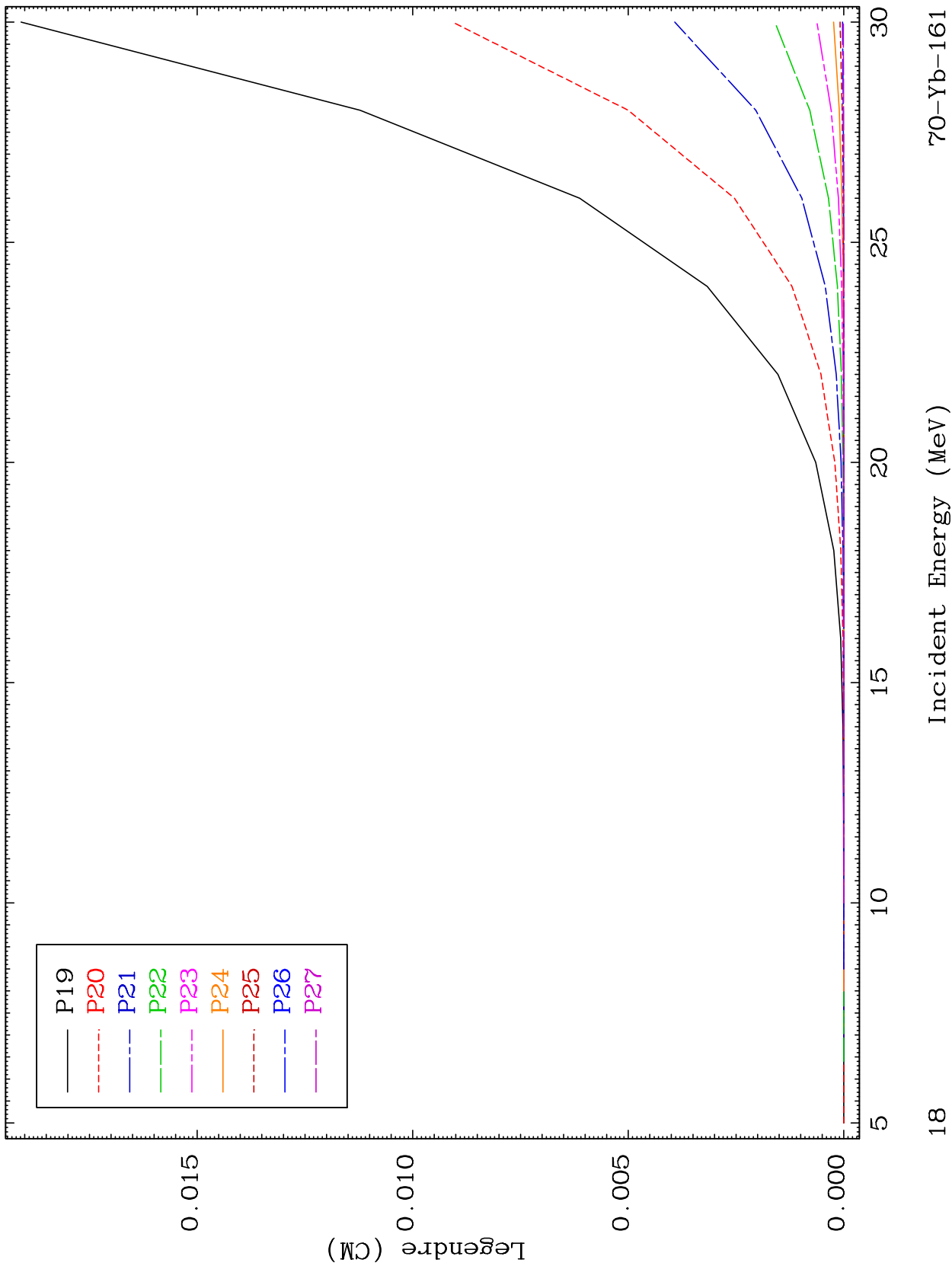




MAT 7004

### Elastic Legendre Coefficients

70-Yb-161



70-Yb-161

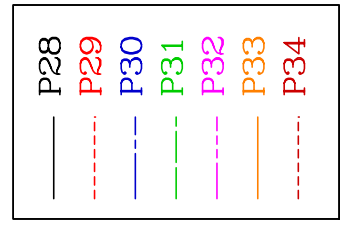
Incident Energy (MeV)

18

MAT 7004

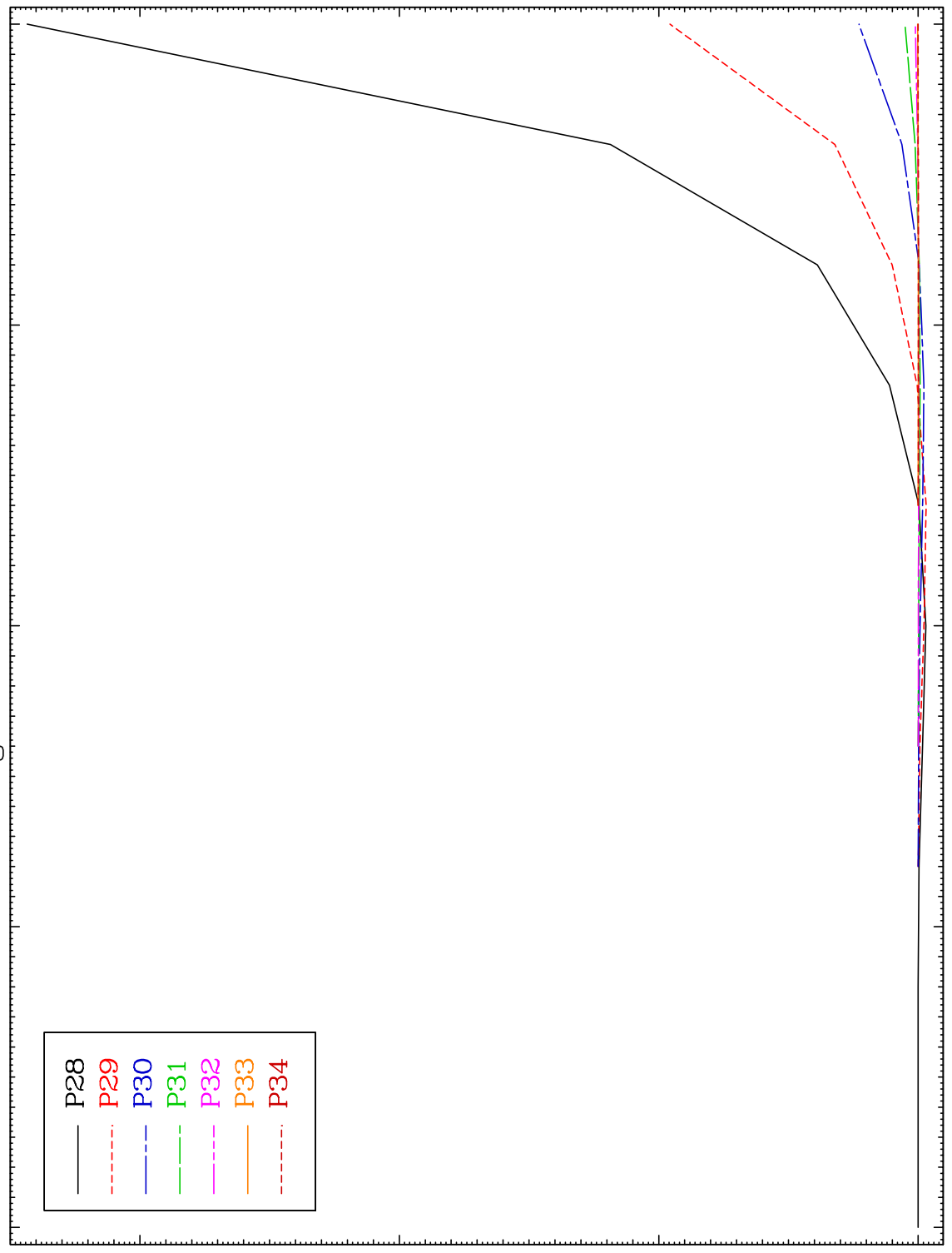
Elastic Legendre Coefficients

70-Yb-161



$\times 10^{-6}$

Legendre (CM)



10

15

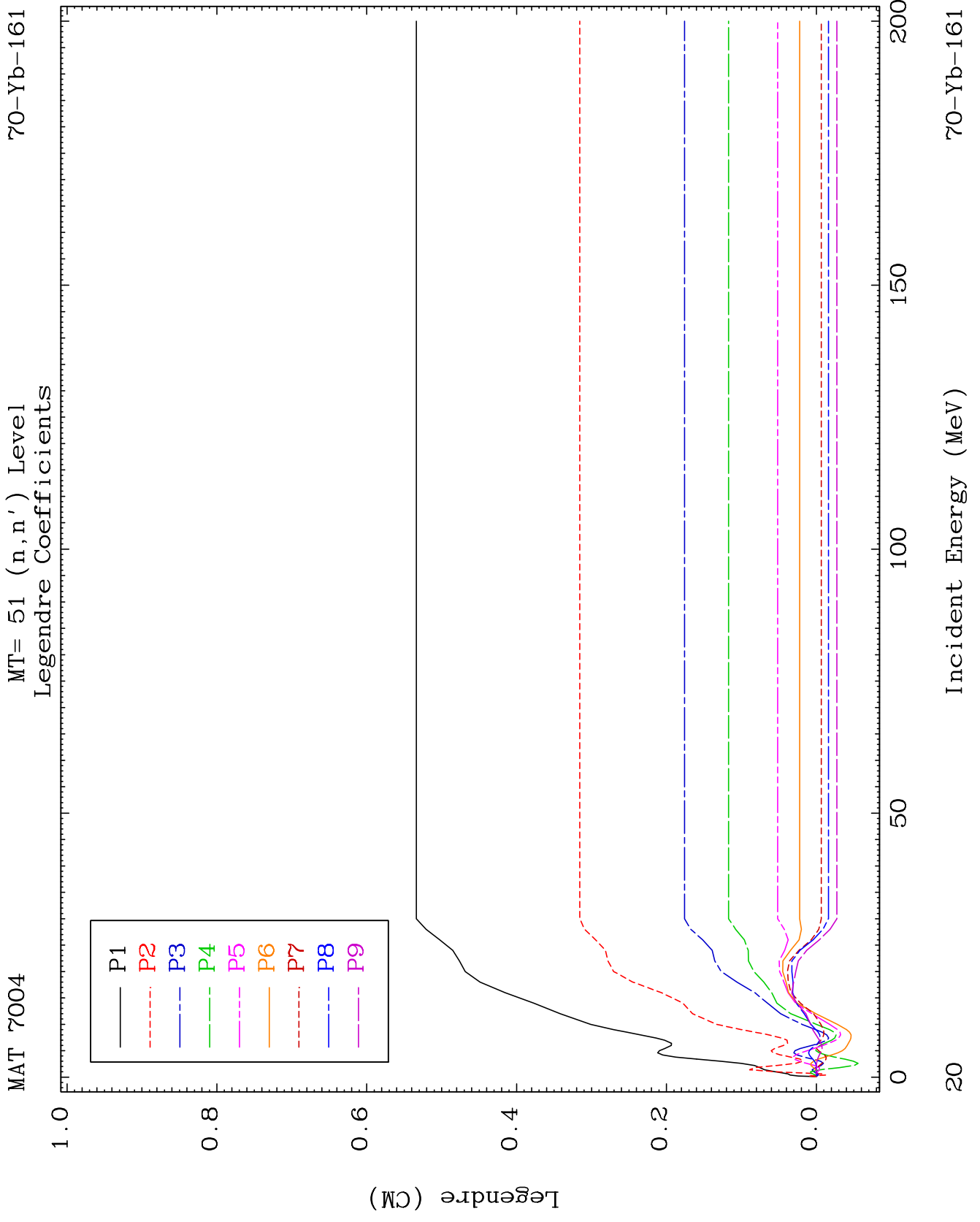
20

25

30

Incident Energy (MeV)

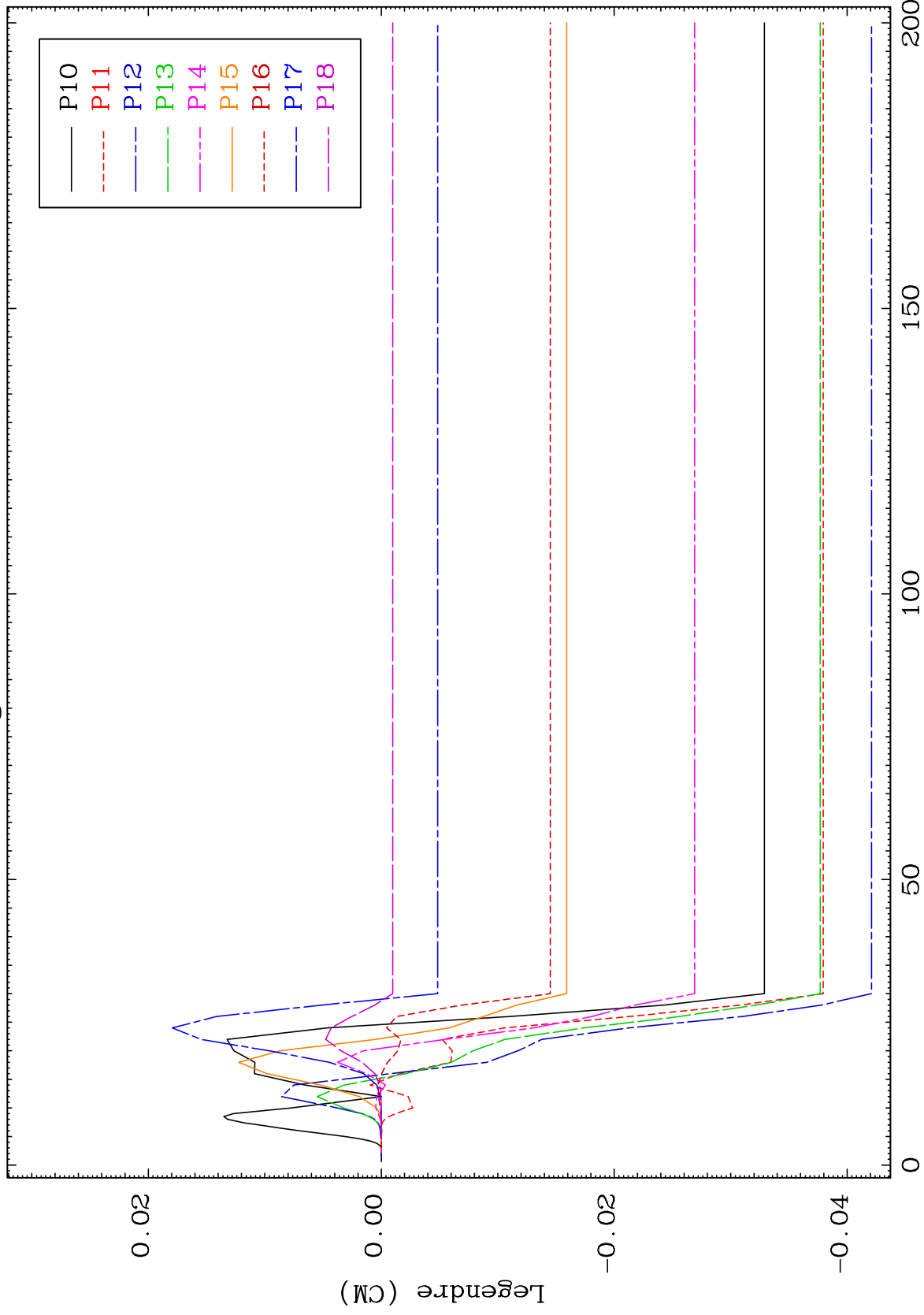
70-Yb-161



MAT 7004

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

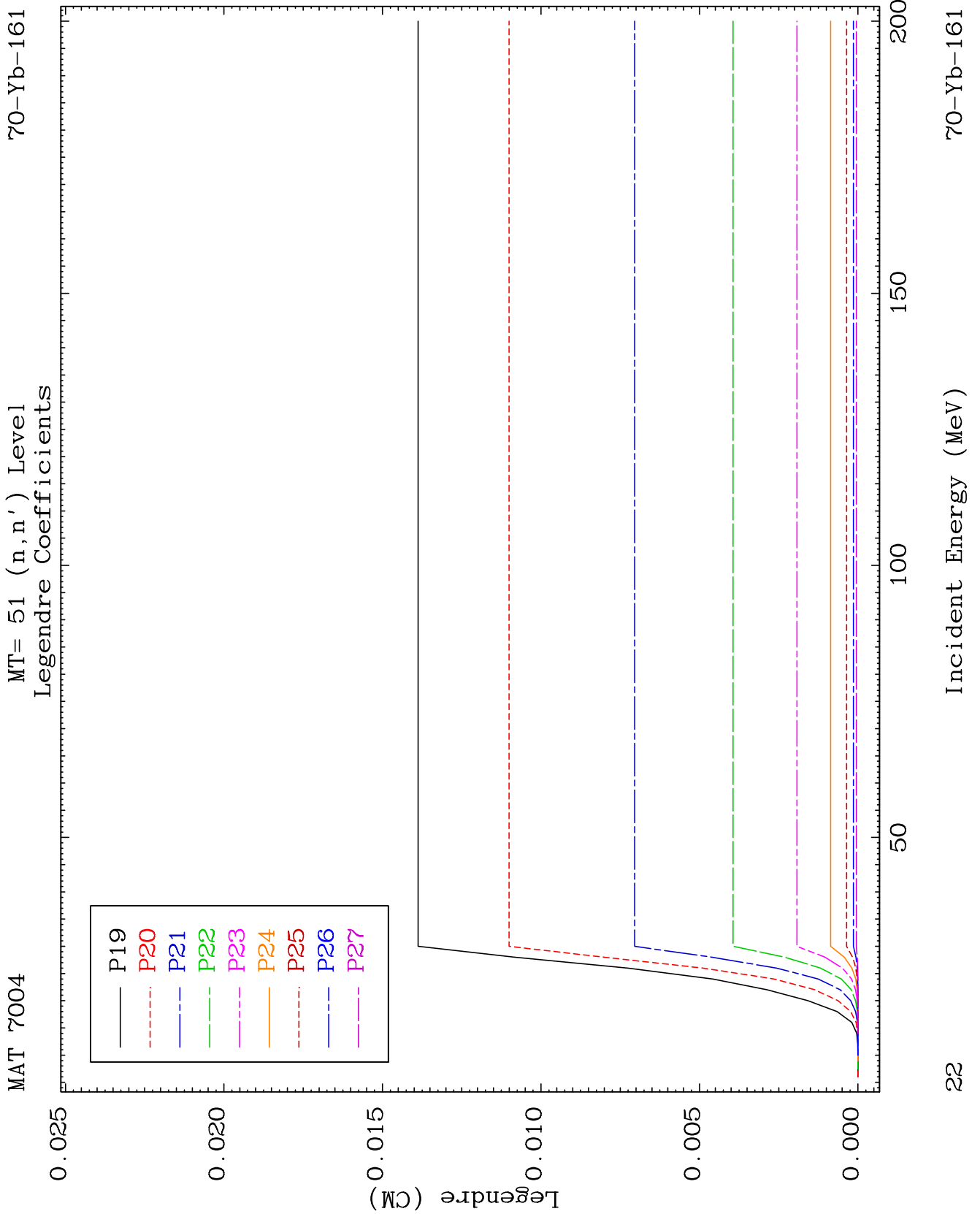
70-Yb-161



21

Incident Energy (MeV)

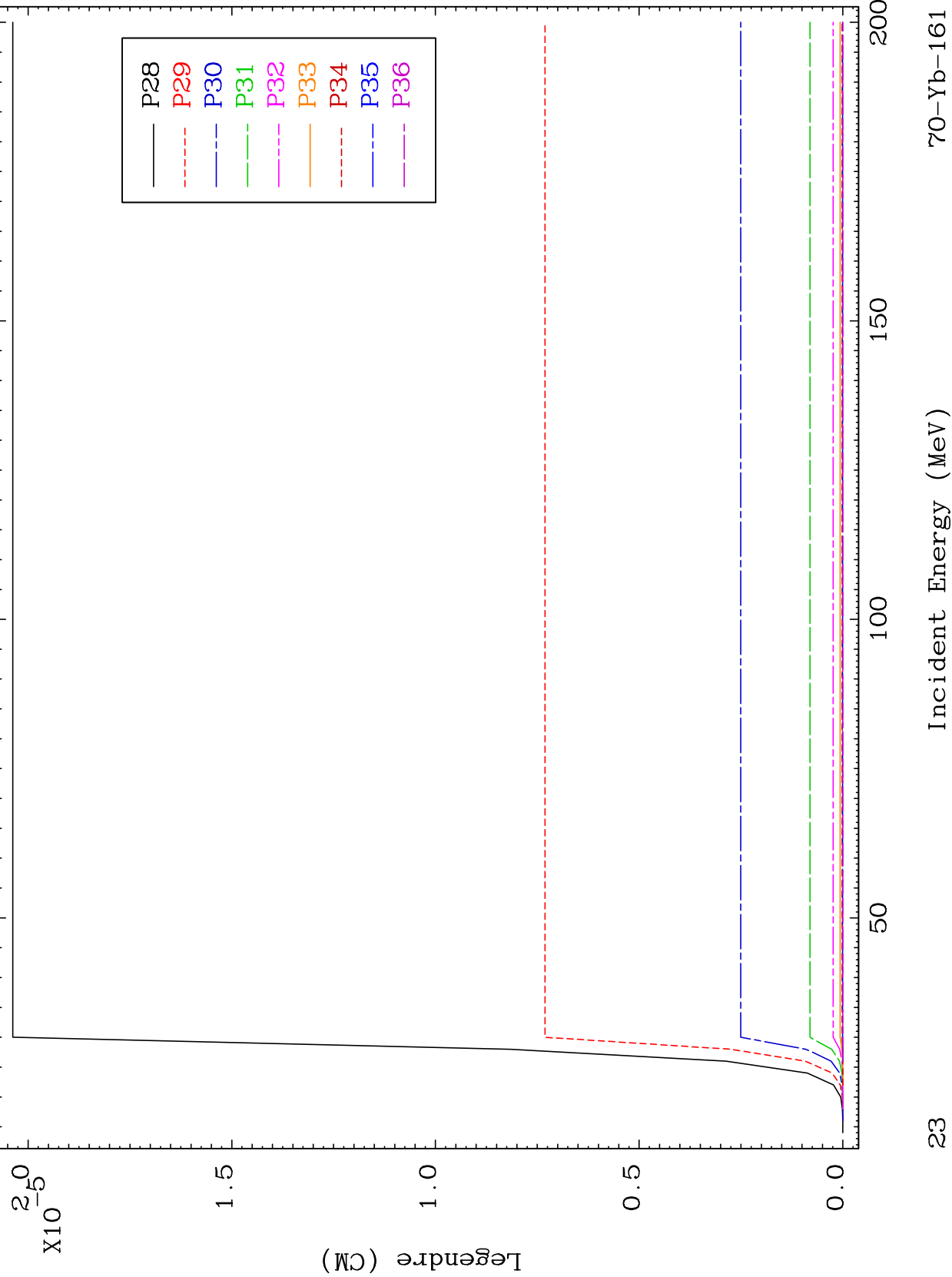
70-Yb-161



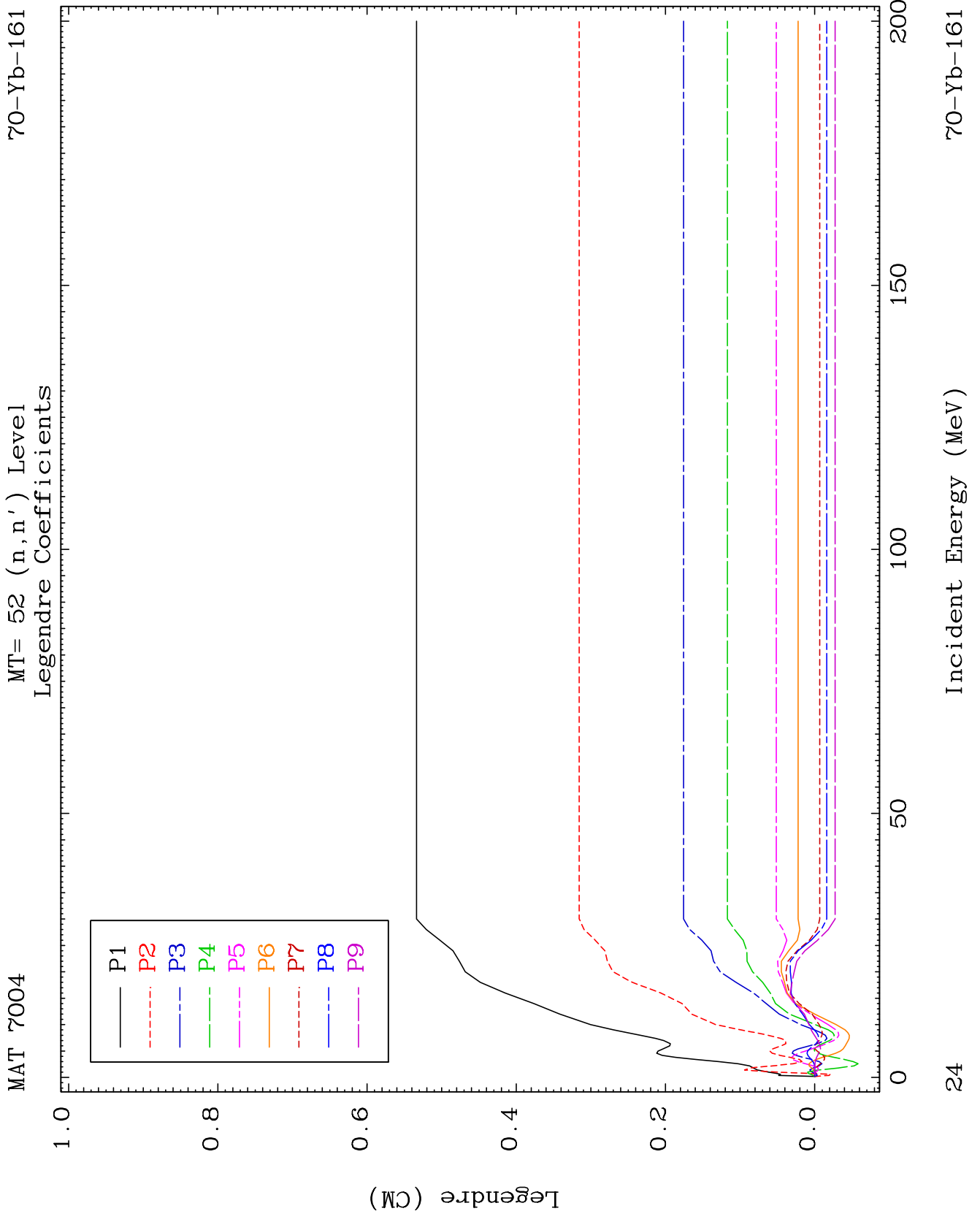
MAT 7004

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

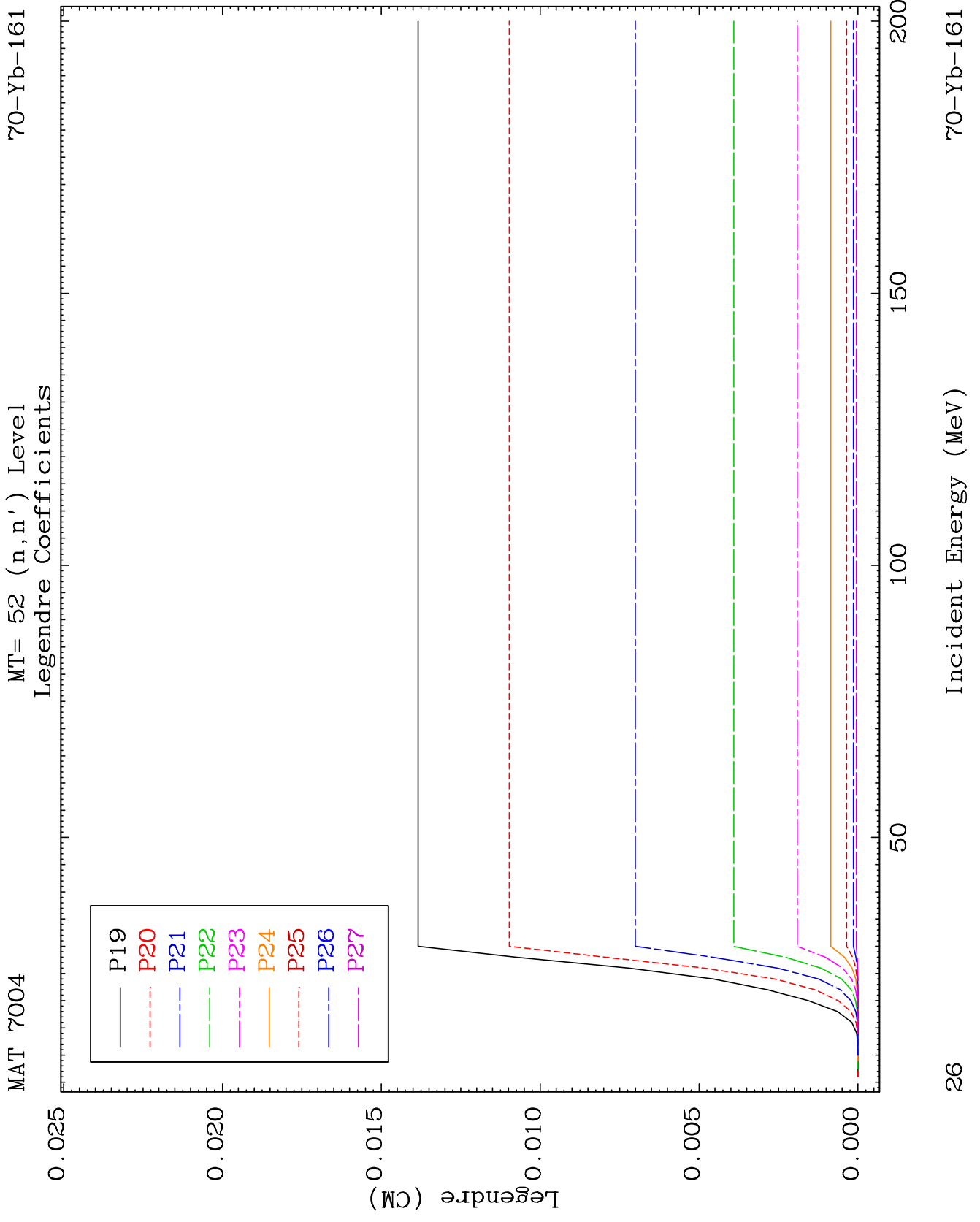
70-Yb-161



23



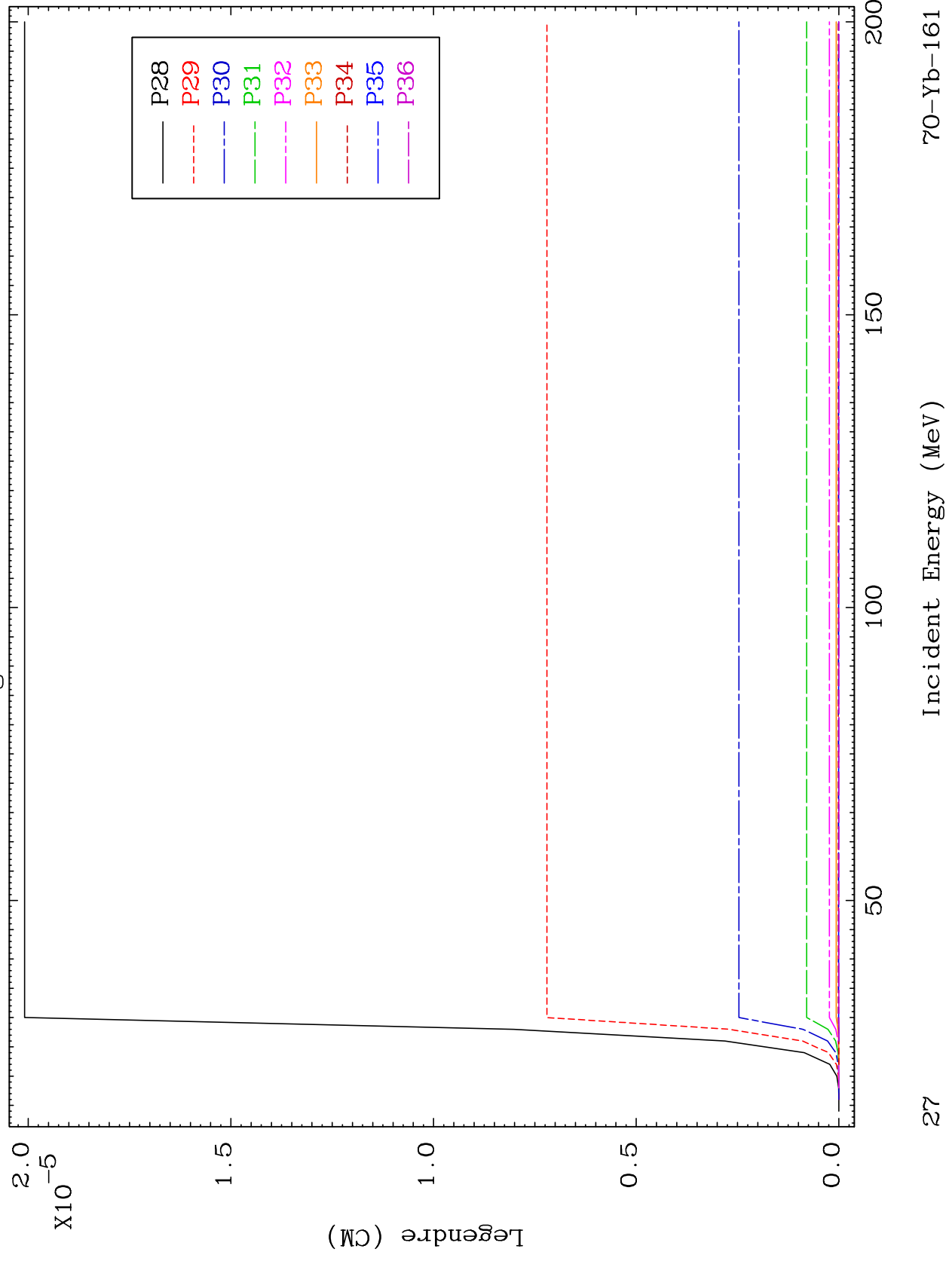




MAT 7004

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

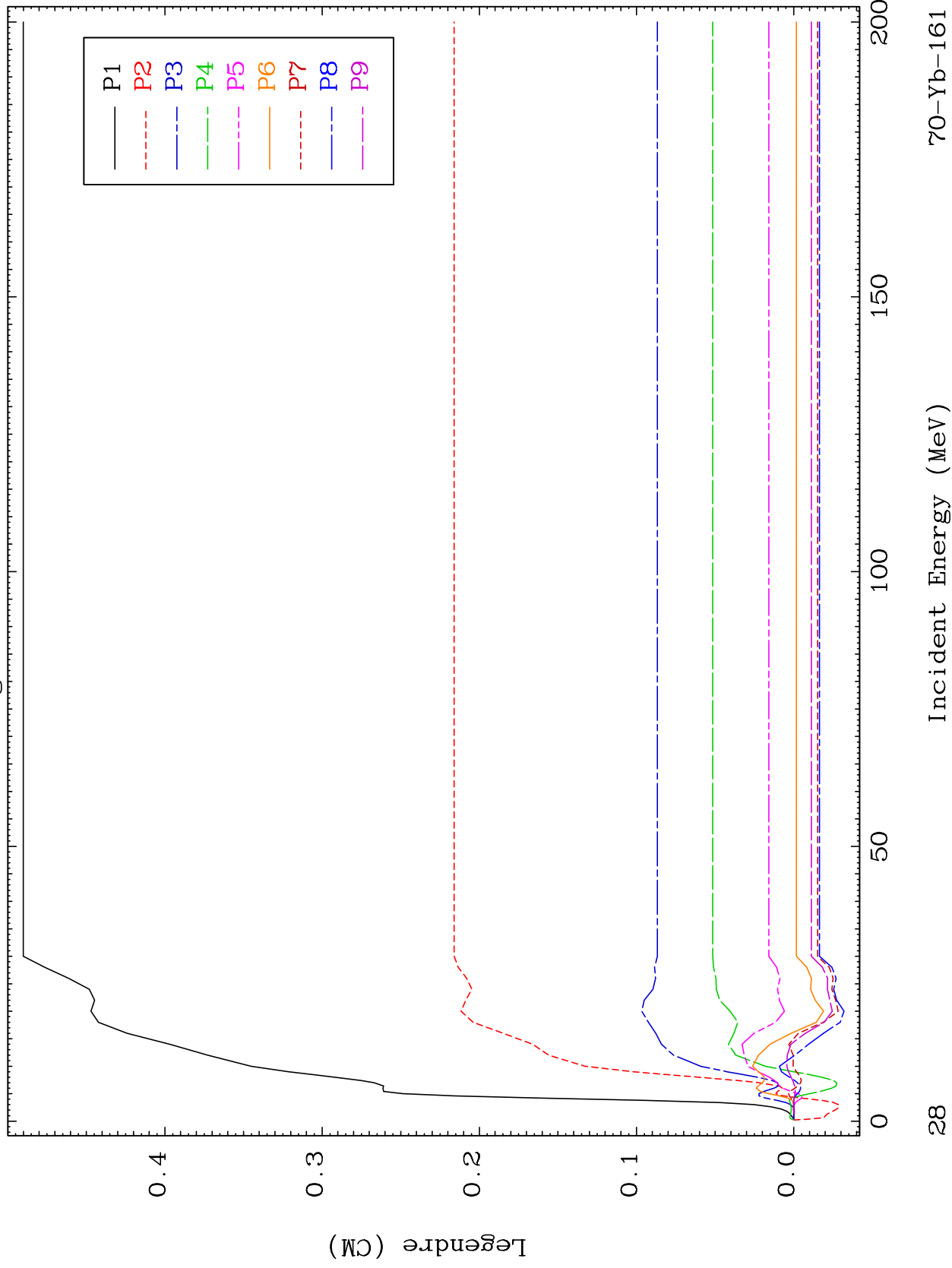
70-Yb-161



MAT 7004

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

70-Yb-161



70-Yb-161

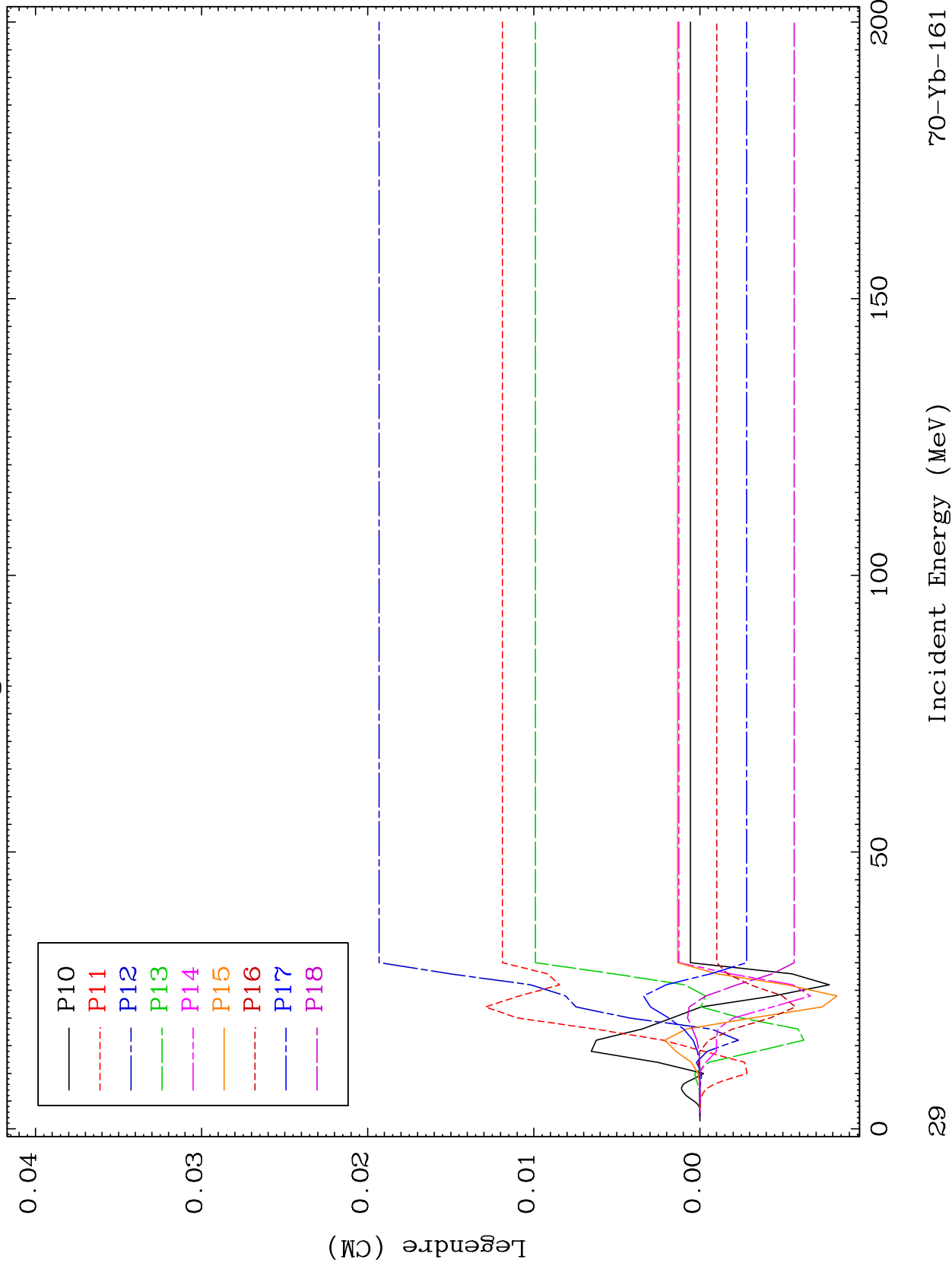
Incident Energy (MeV)

28

MAT 7004

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

70-Yb-161



29

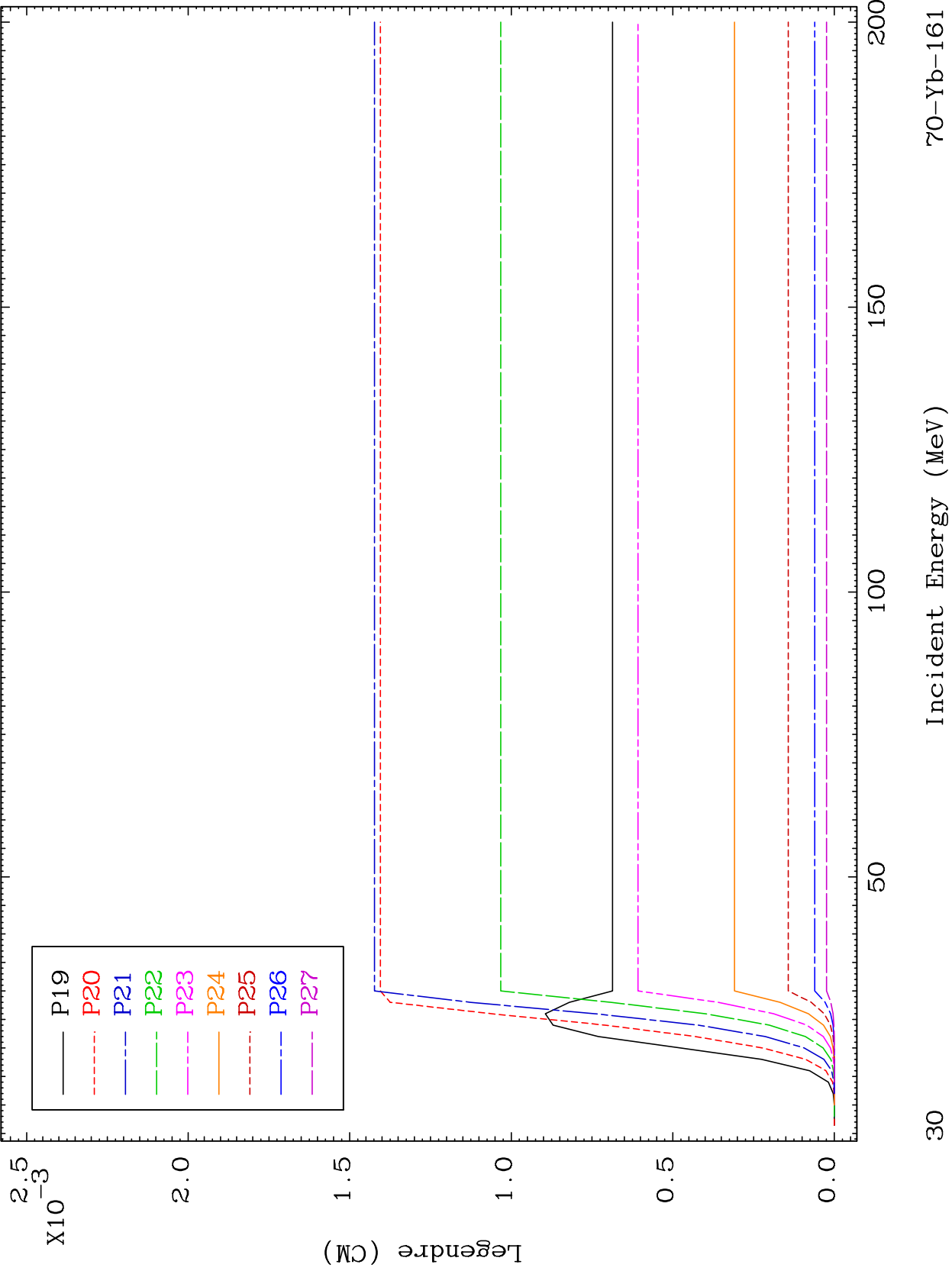
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



30

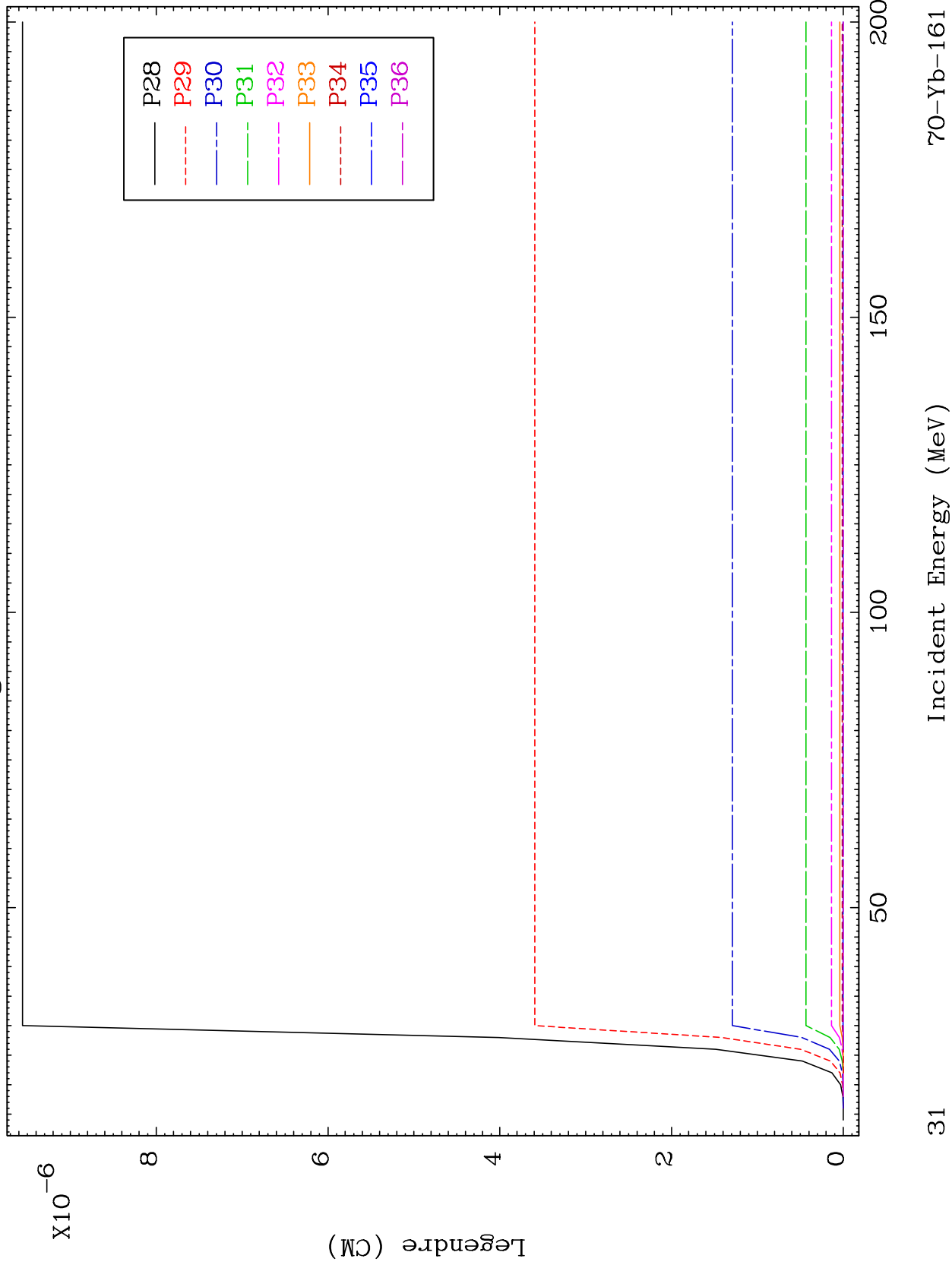
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

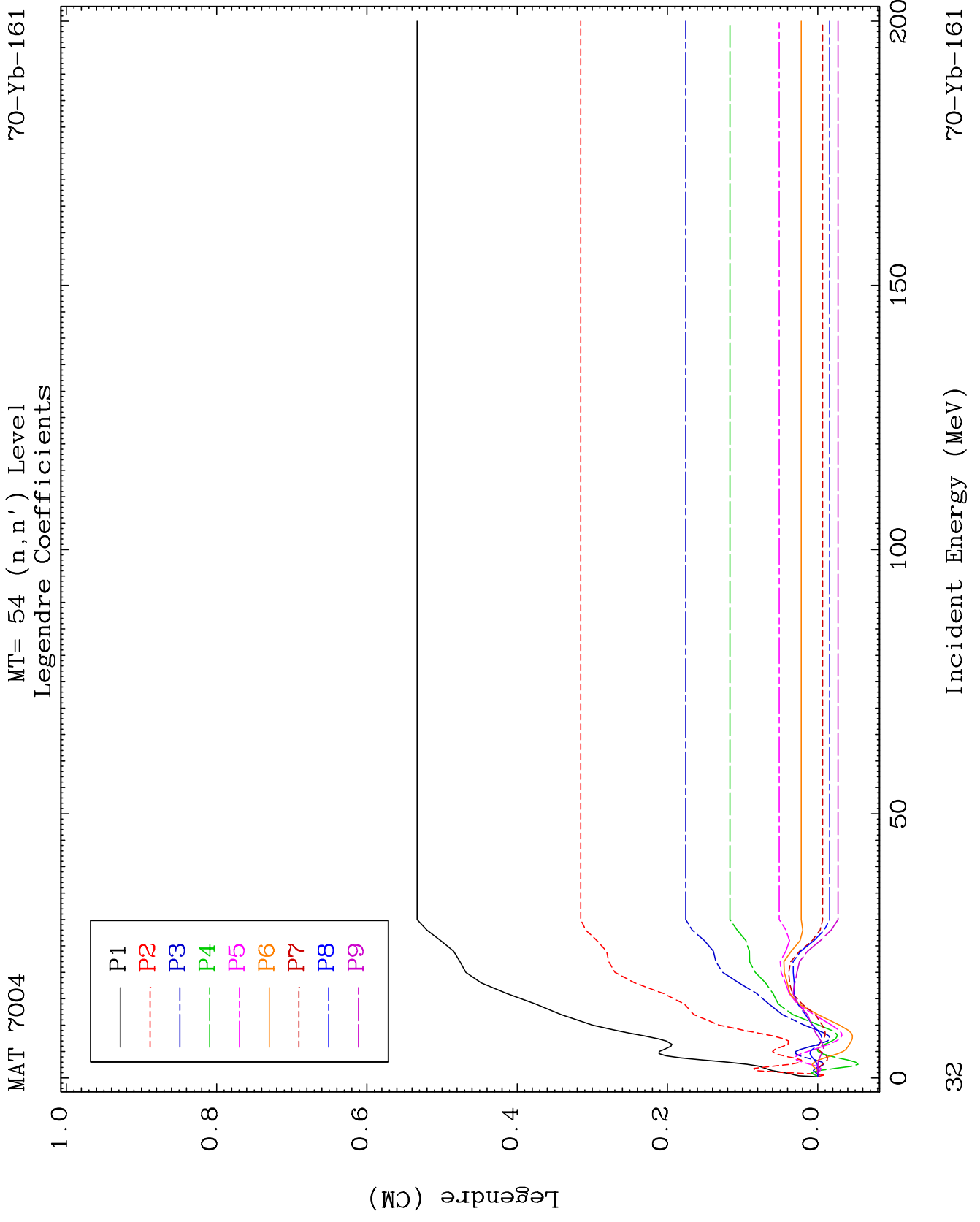
70-Yb-161



31

Incident Energy (MeV)

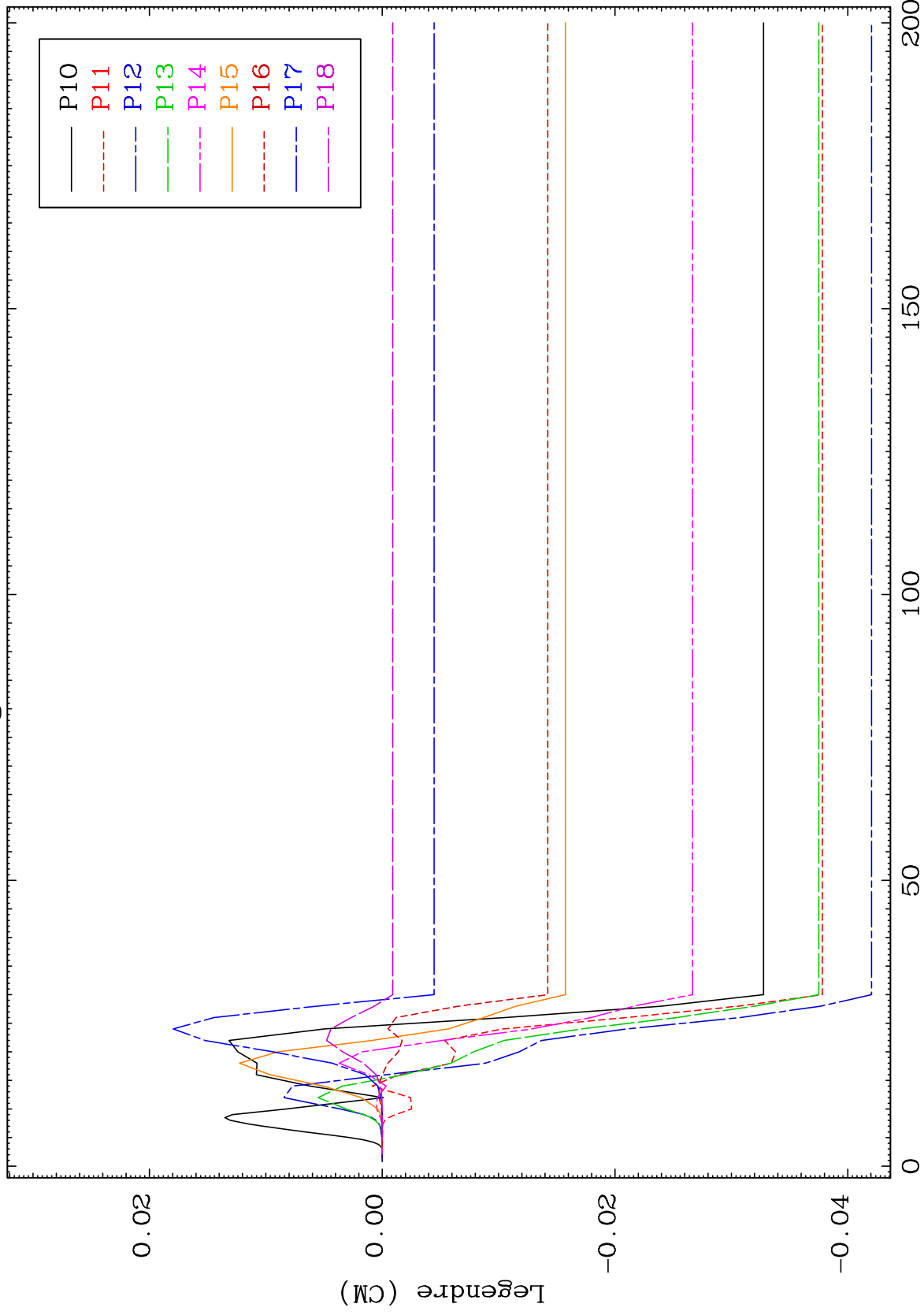
70-Yb-161



MAT 7004

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

70-Yb-161



33

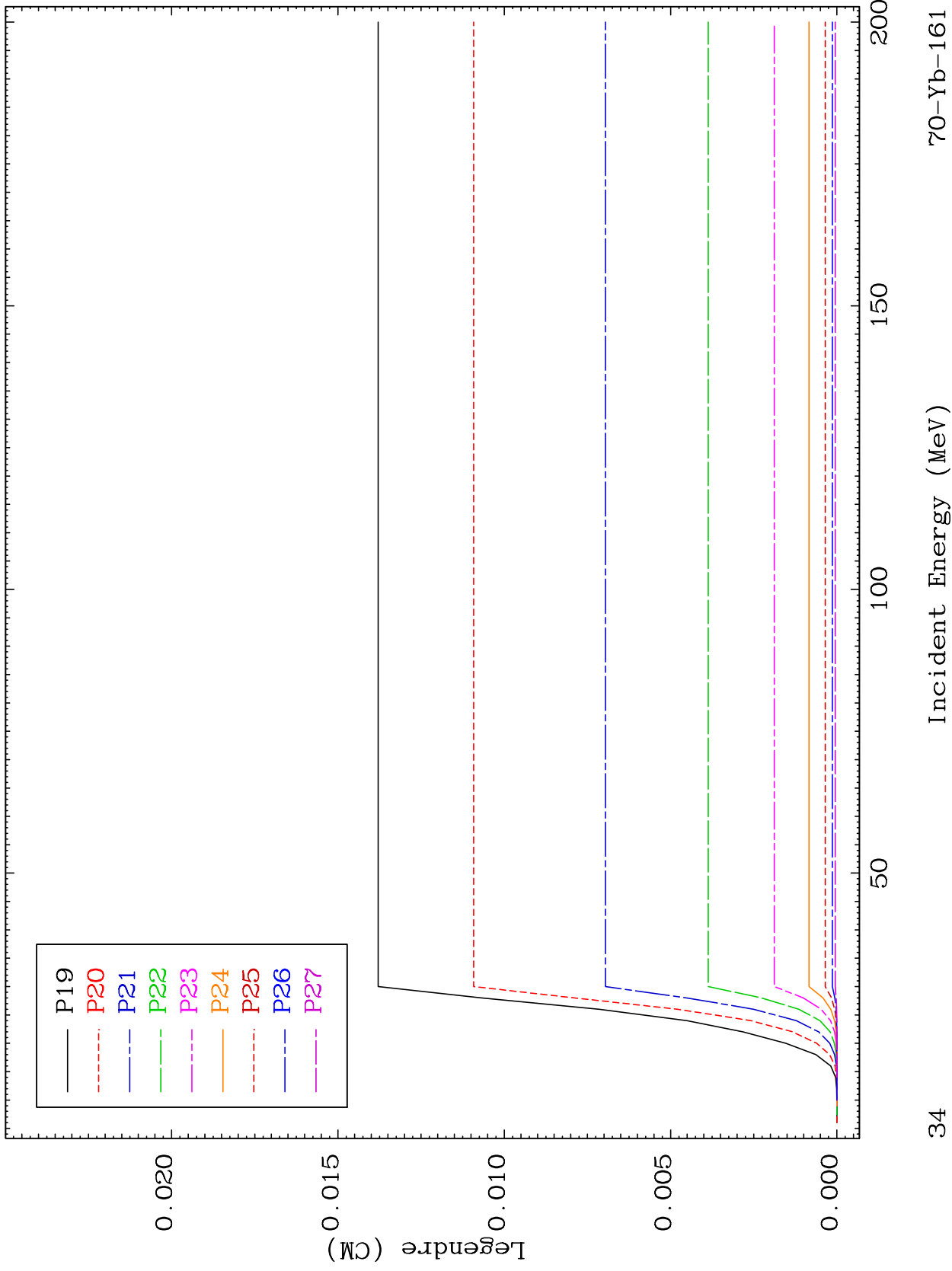
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



34

Incident Energy (MeV)

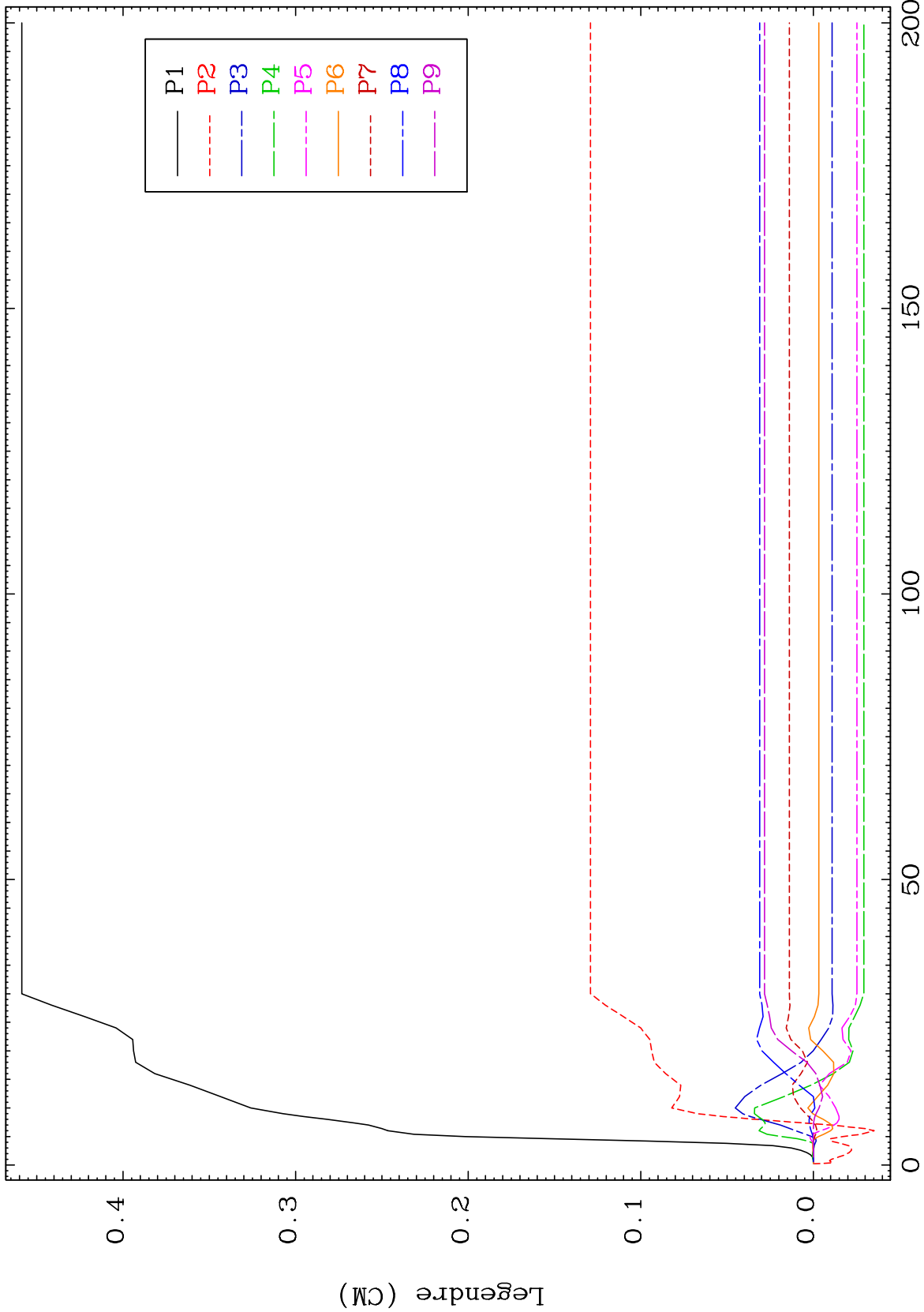
70-Yb-161



MAT 7004

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

70-Yb-161



36

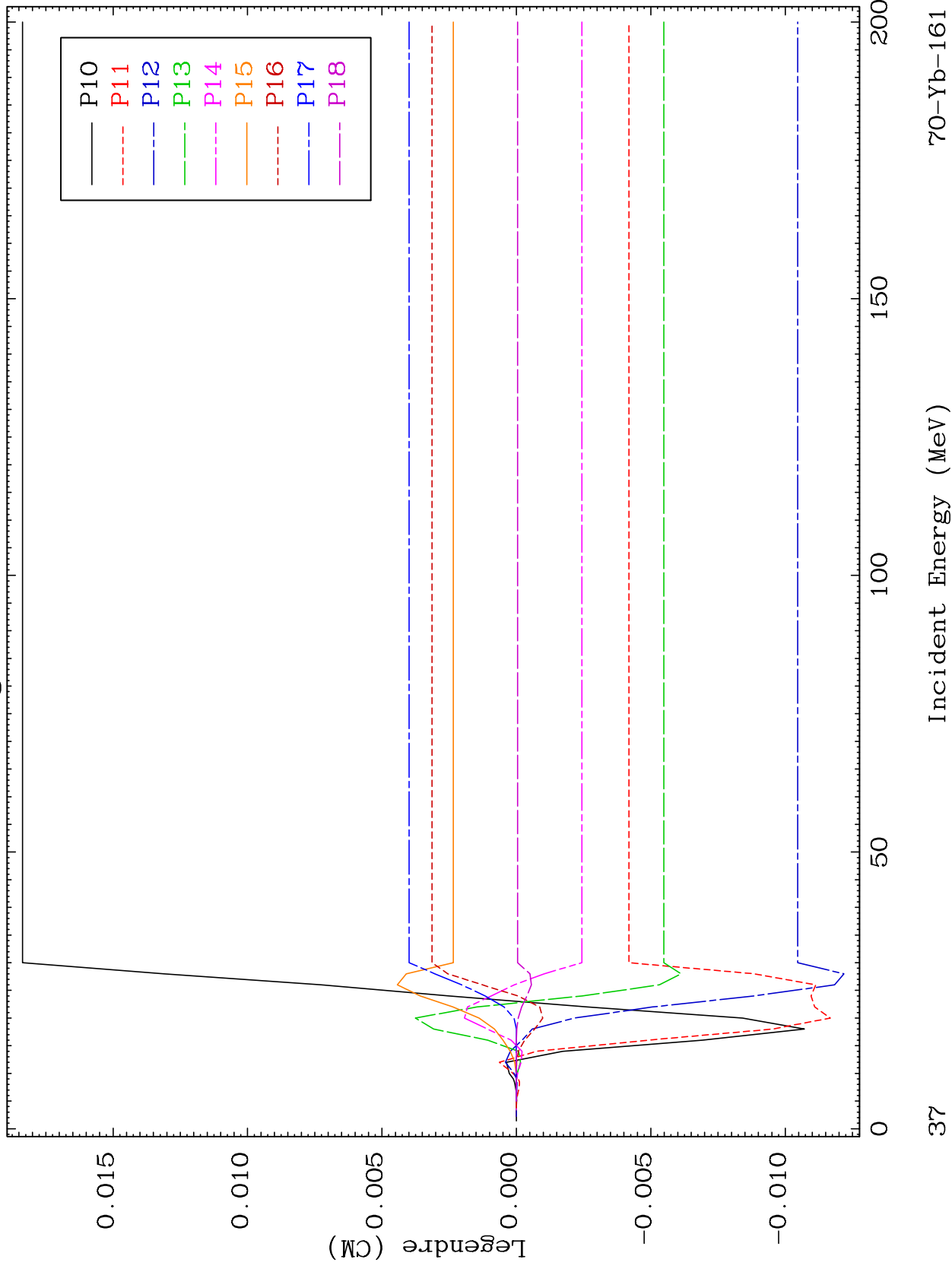
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

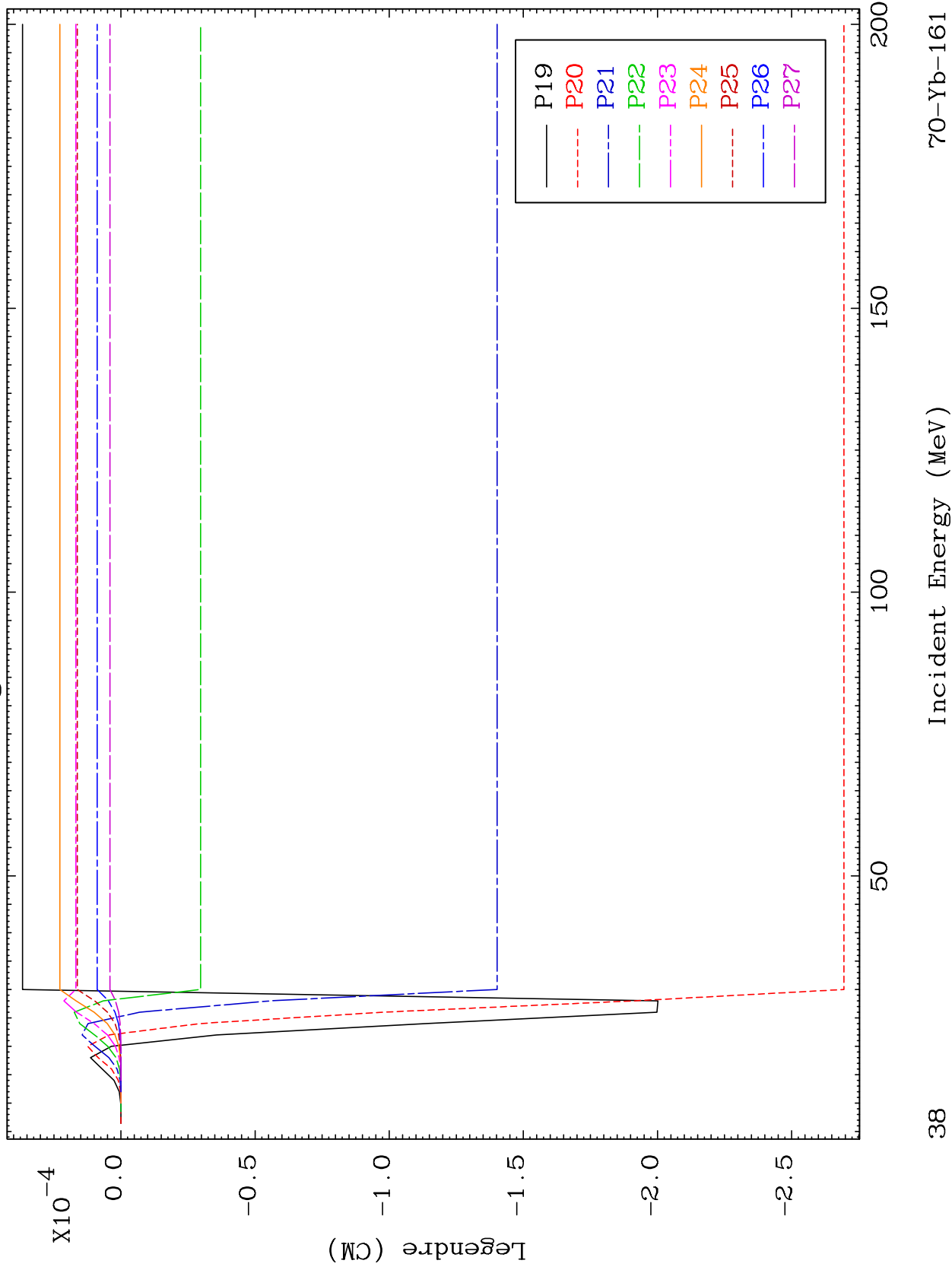
70-Yb-161



37

Incident Energy (MeV)

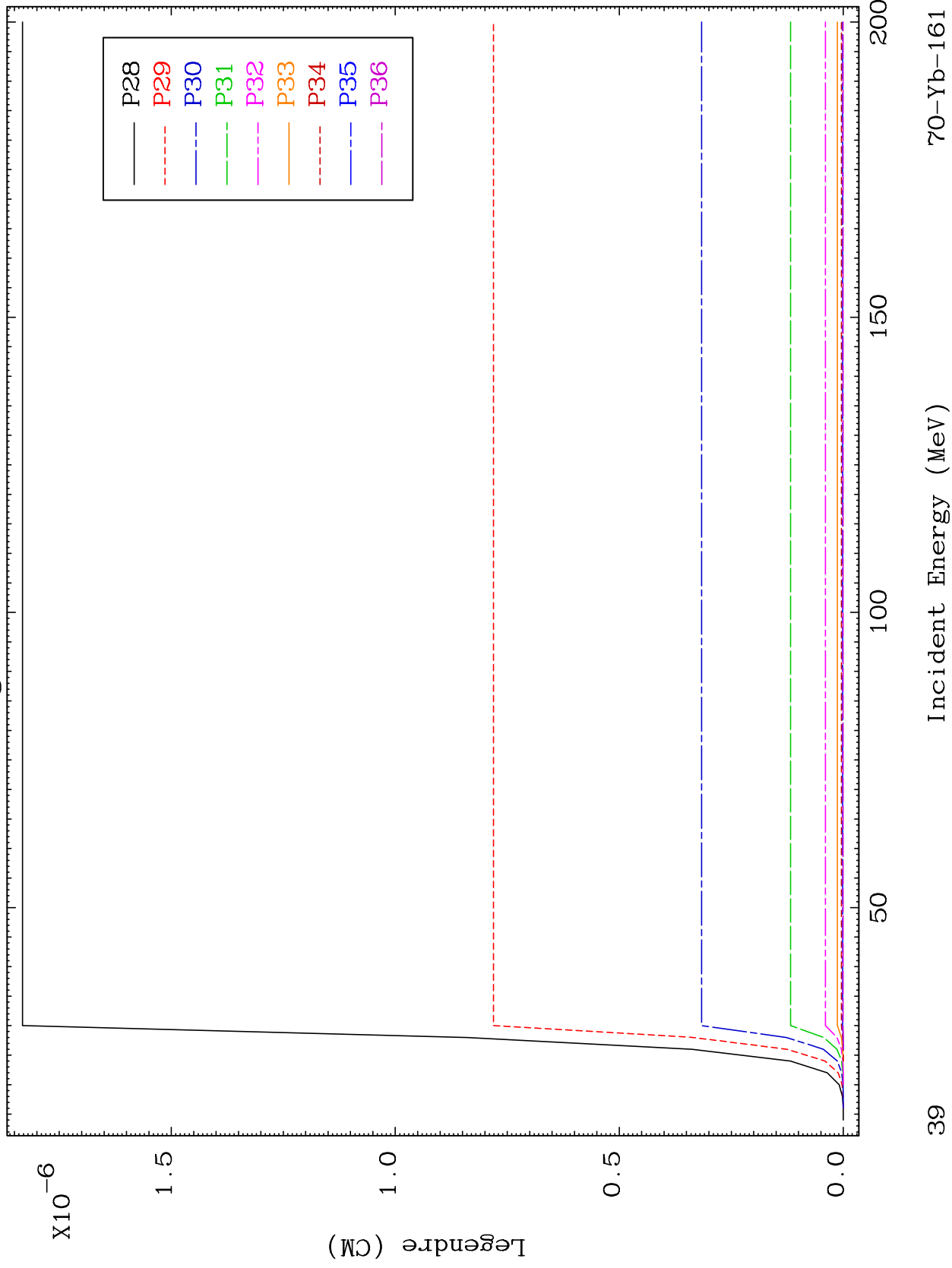
70-Yb-161



MAT 7004

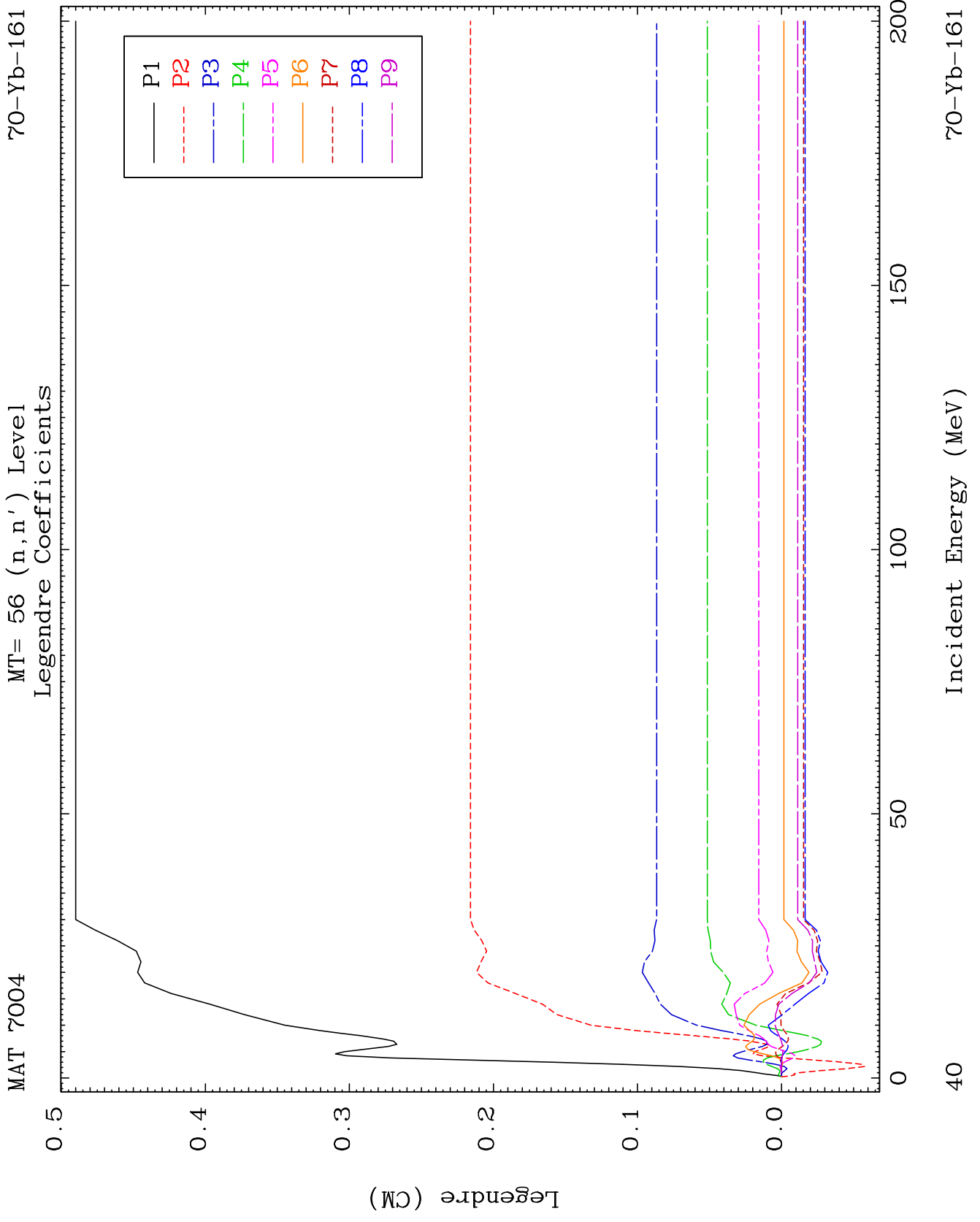
MT= 55 (n,n') Level  
Legendre Coefficients

70-Yb-161



39

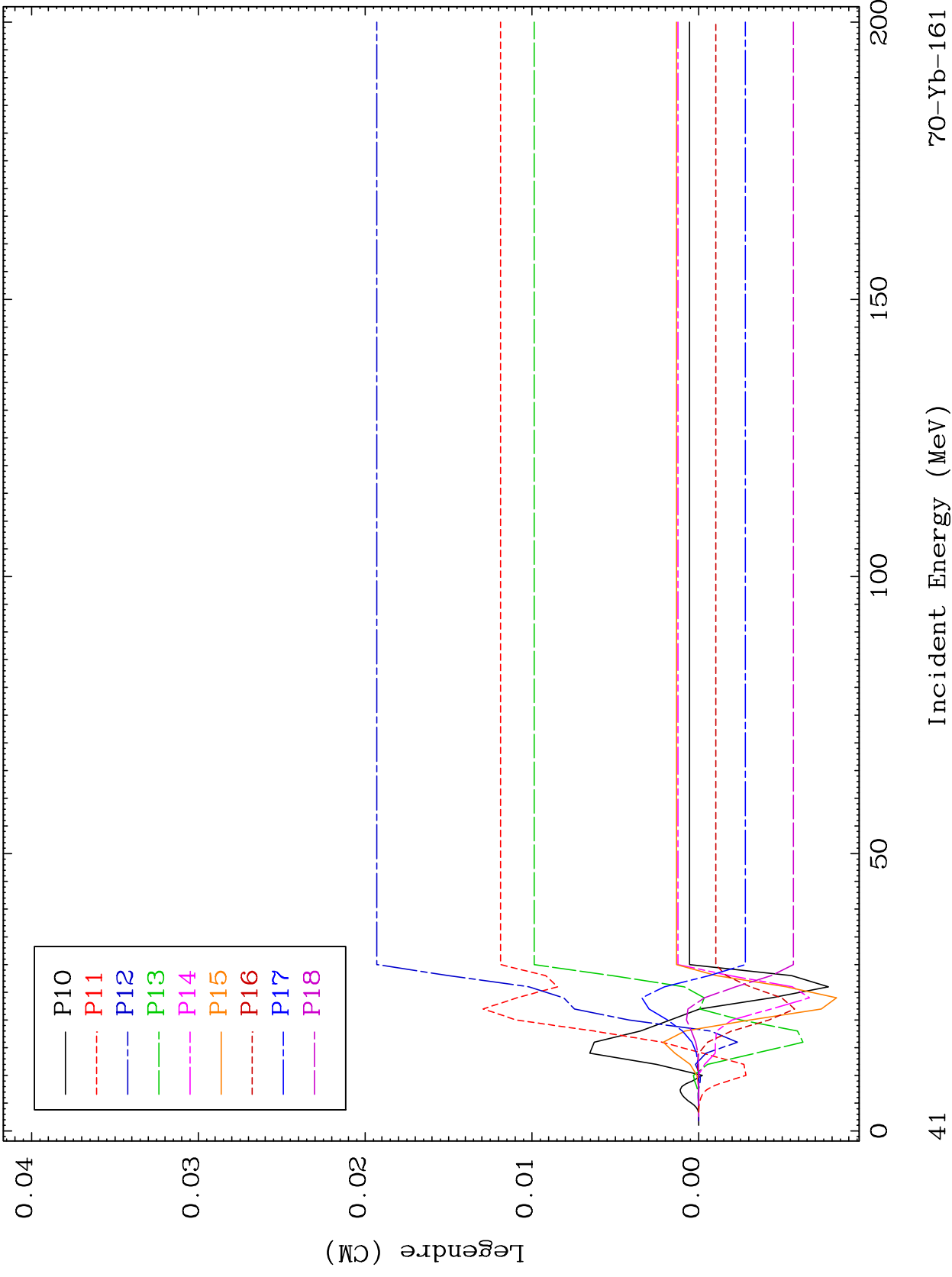
200



MAT 7004

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

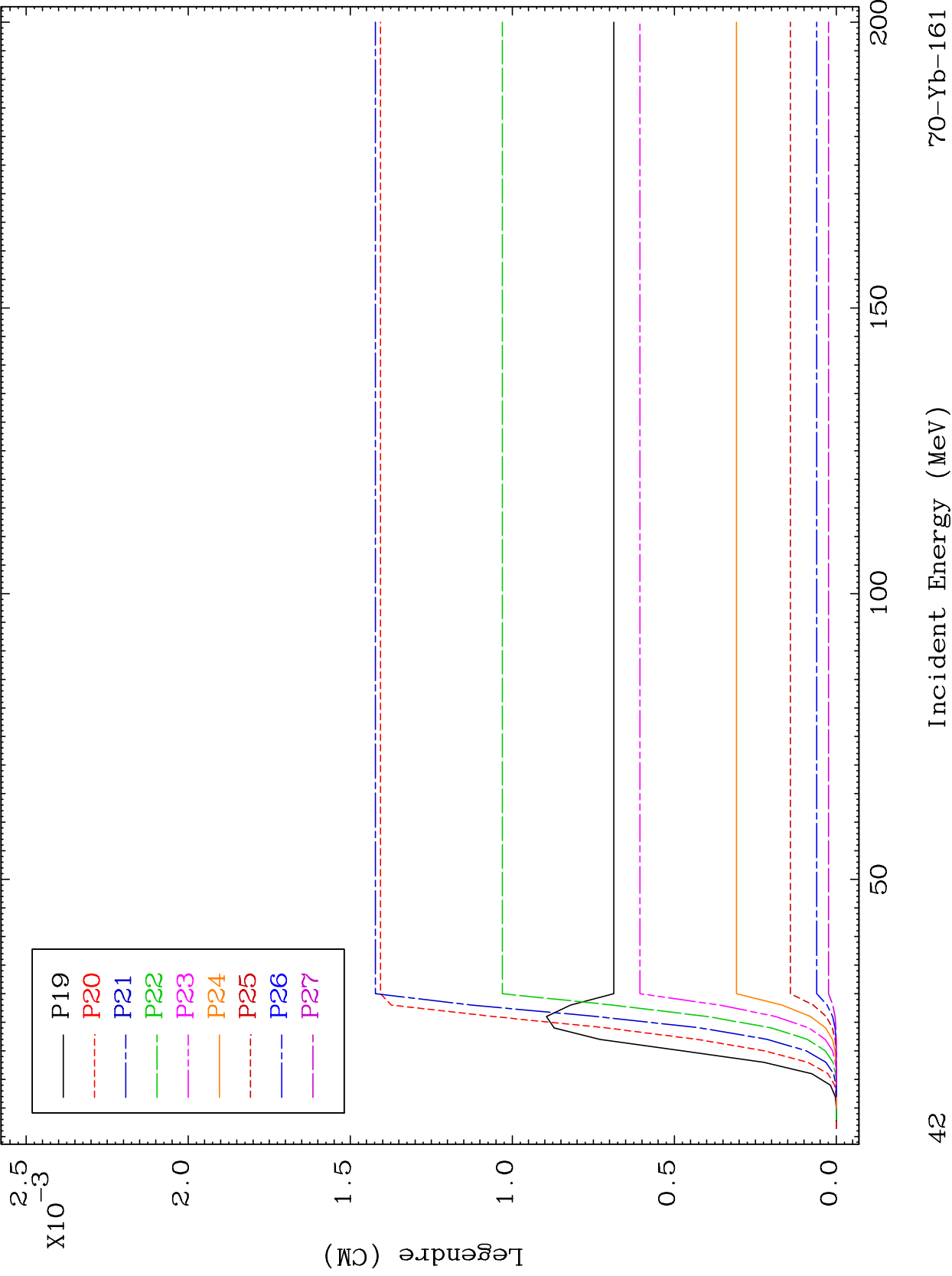
70-Yb-161



MAT 7004

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

70-Yb-161



42

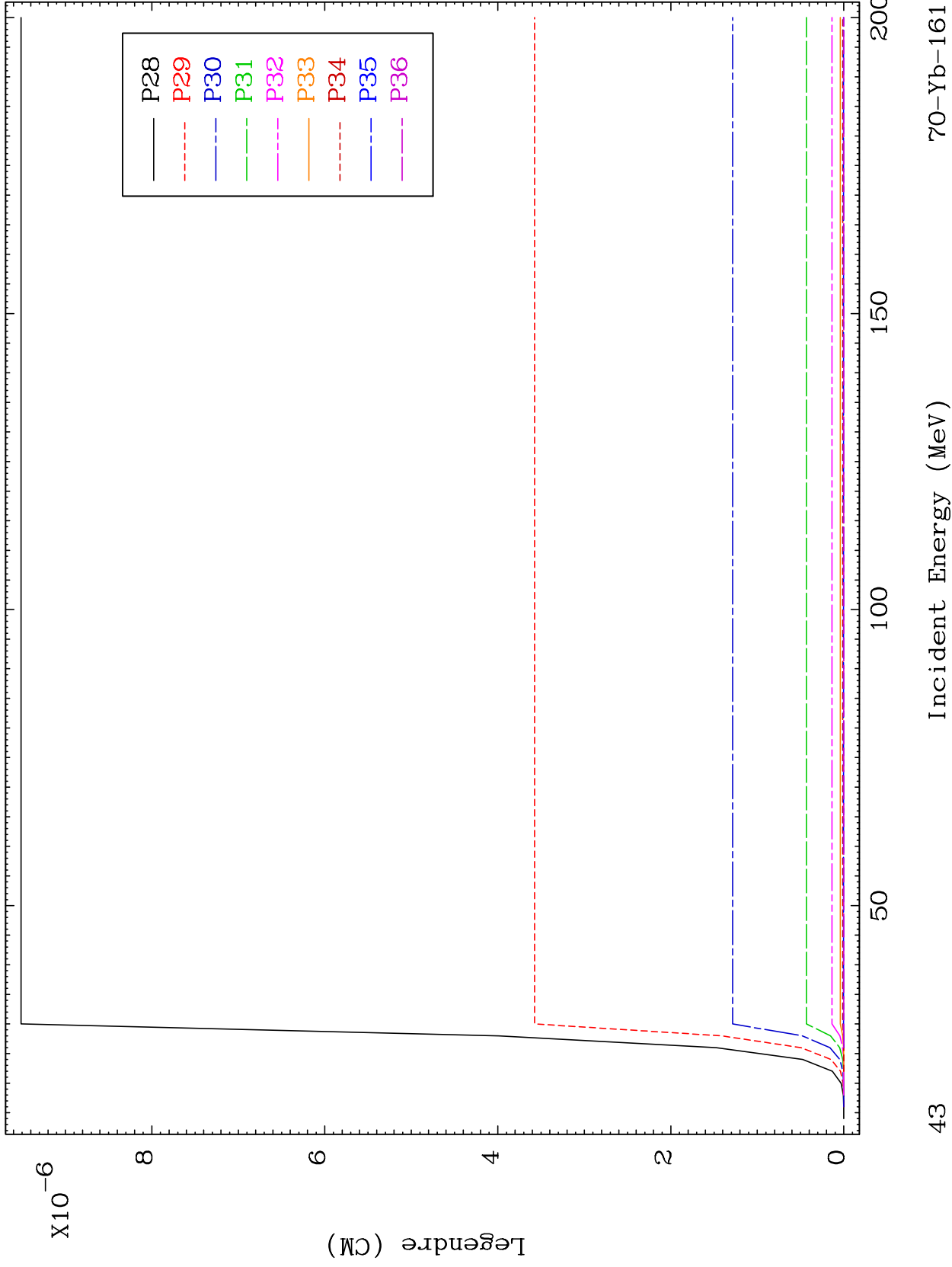
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



43

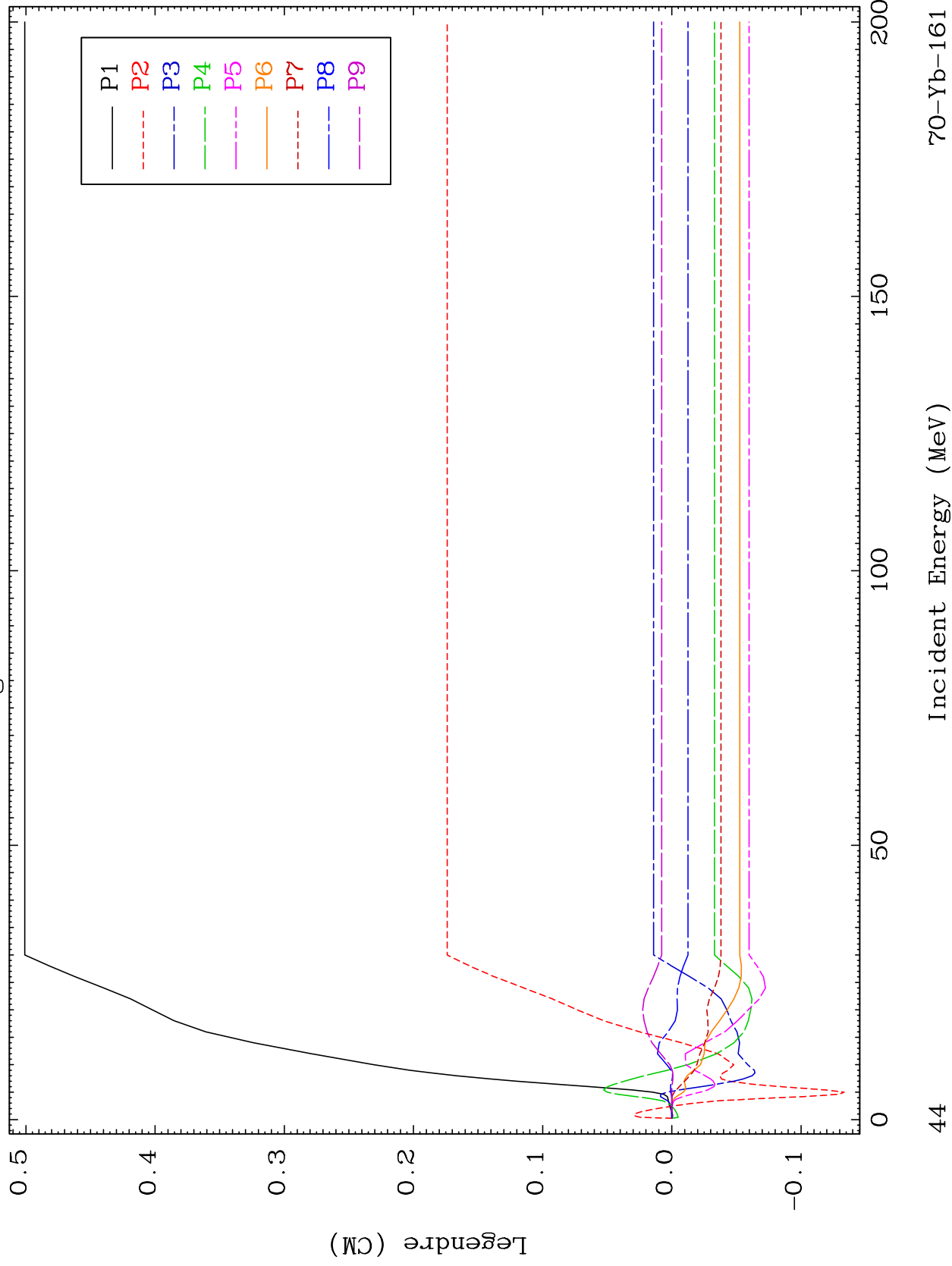
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

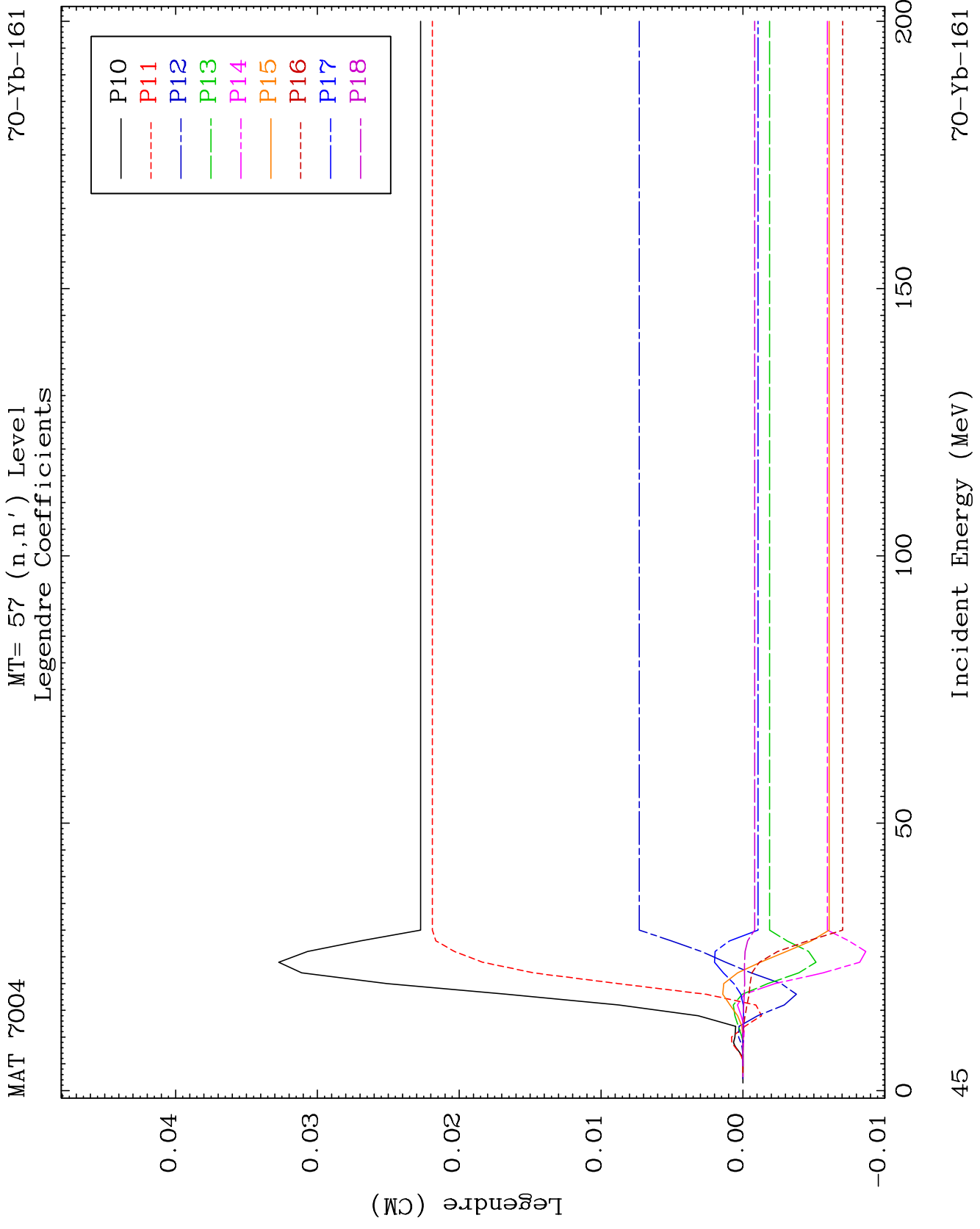
70-Yb-161



44

Incident Energy (MeV)

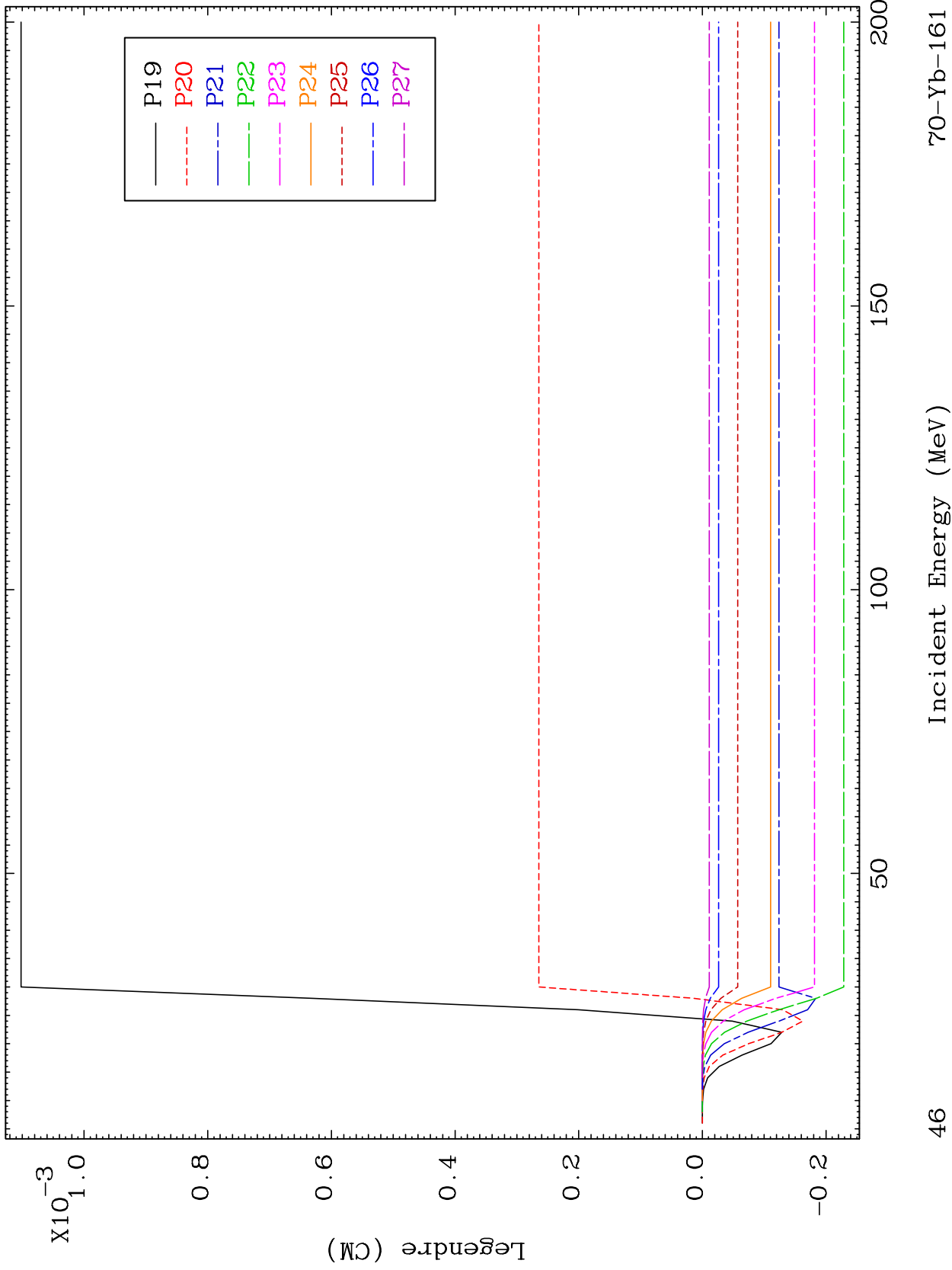
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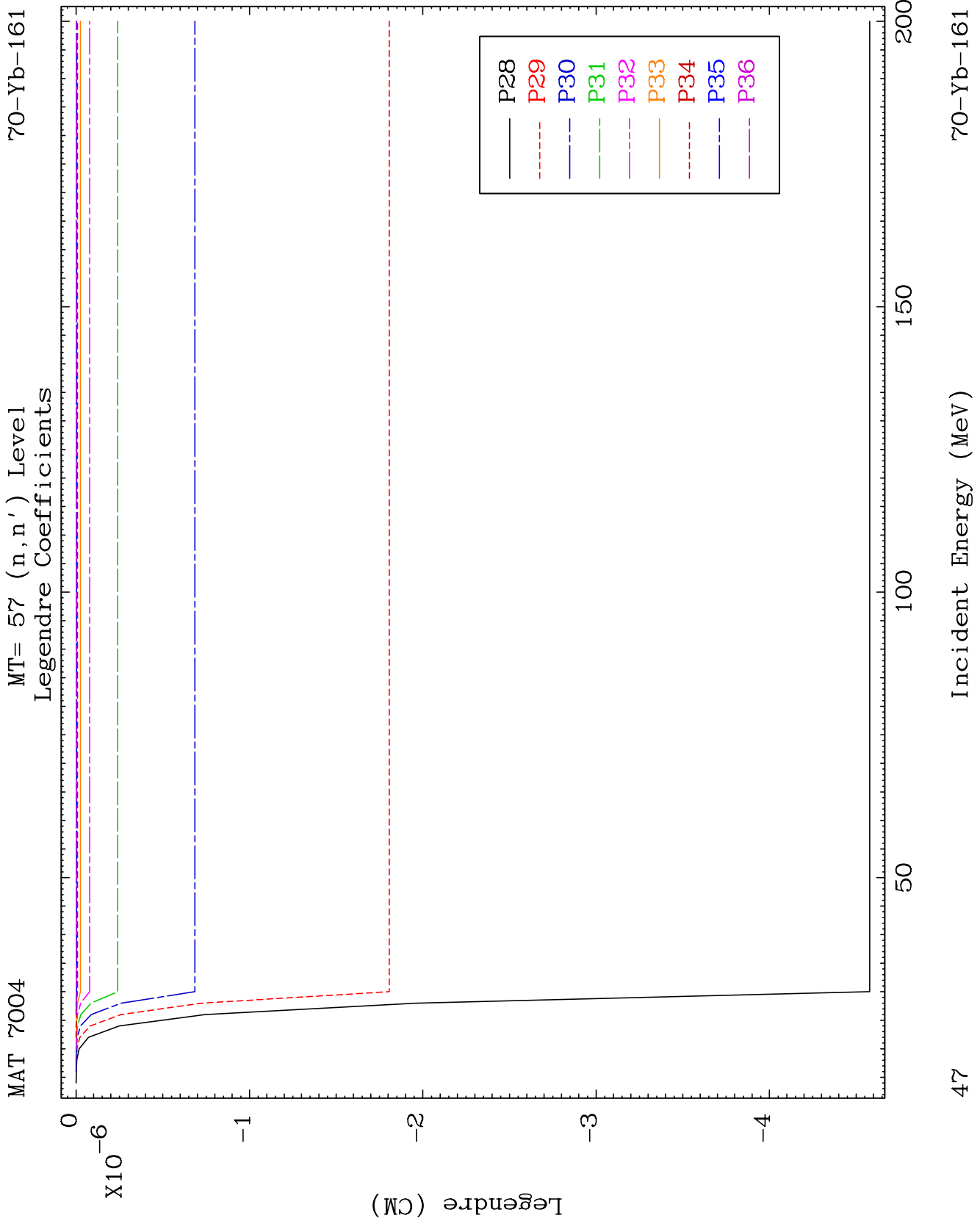


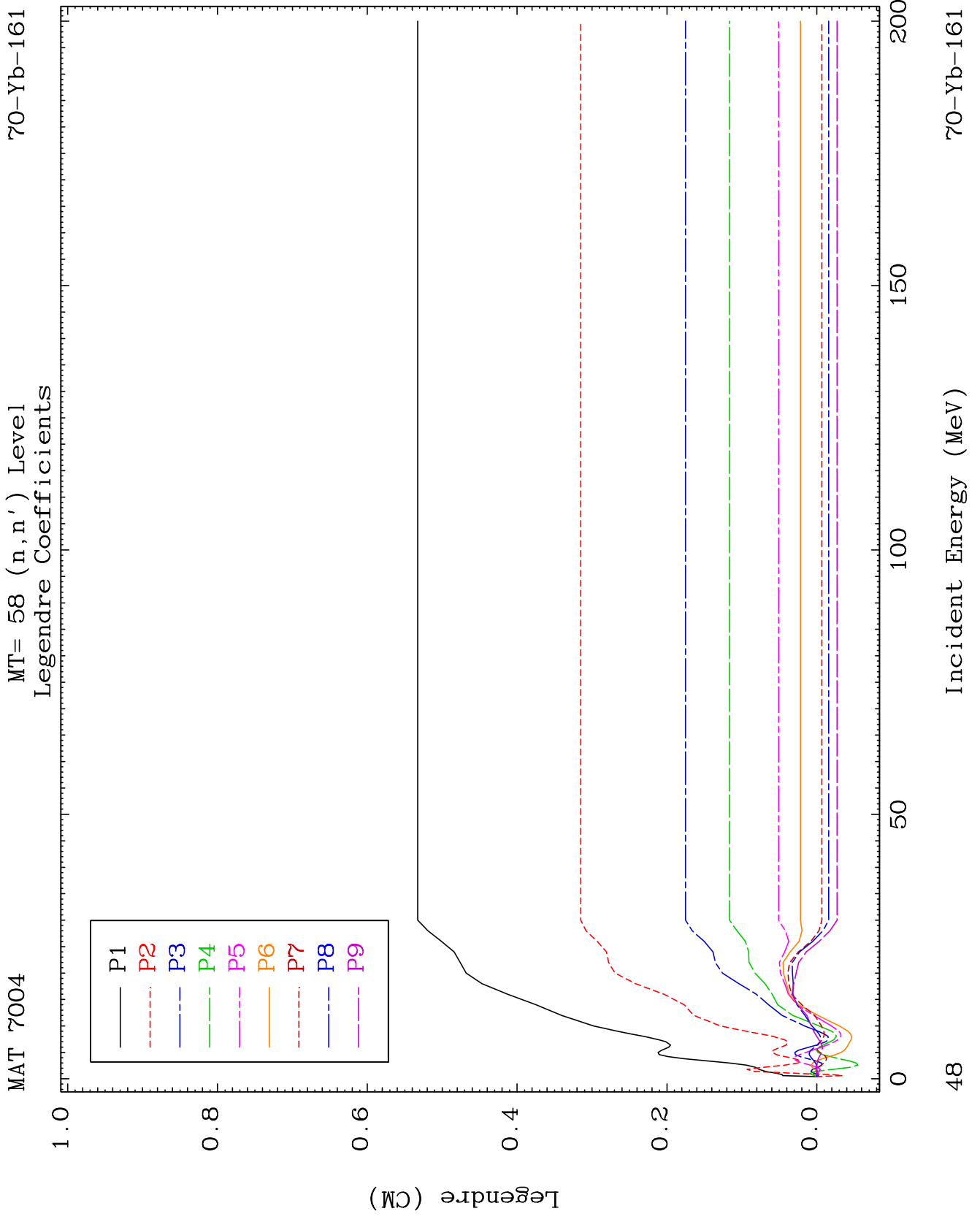
MAT 7004

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

70-Yb-161



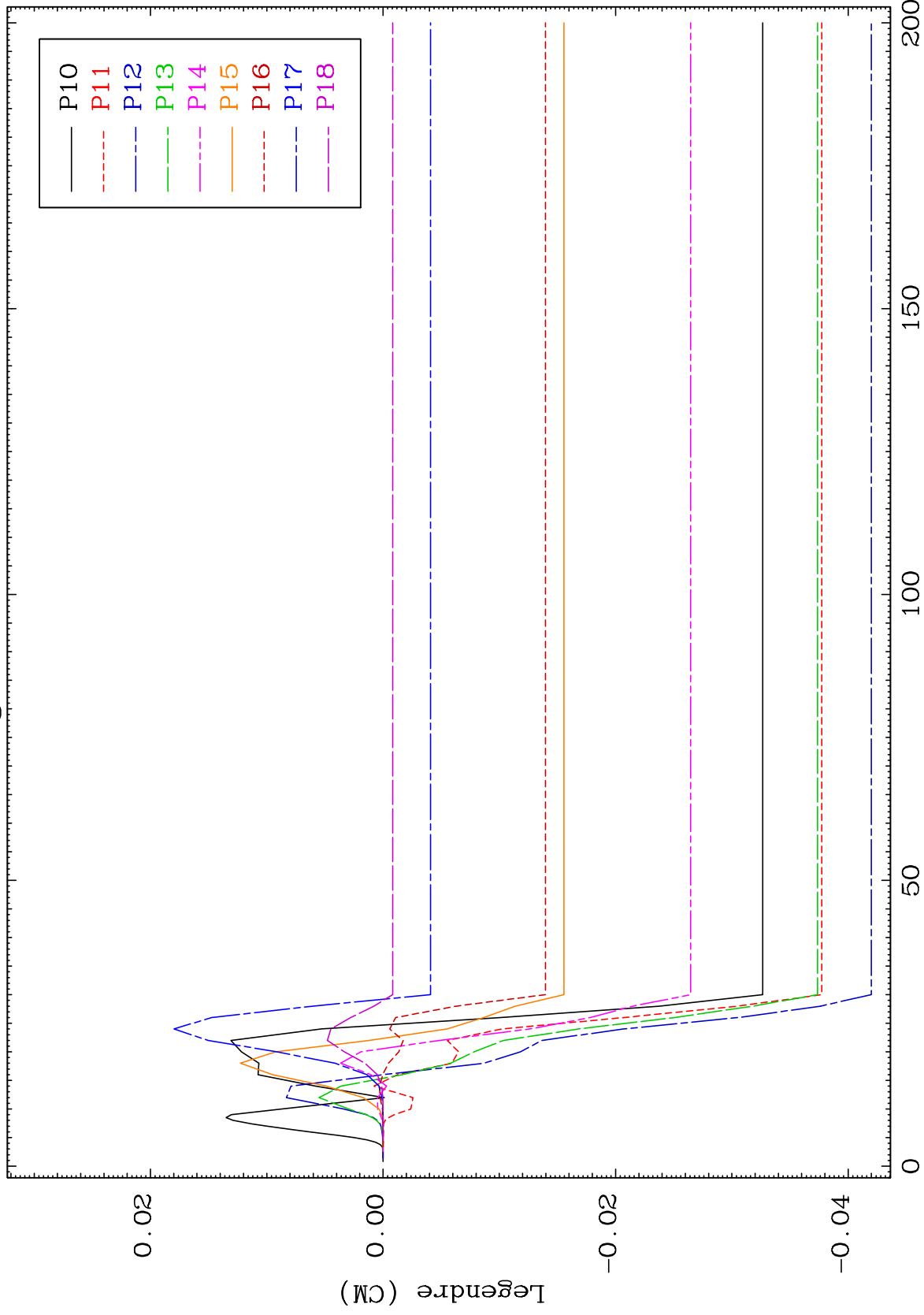




MAT 7004

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

70-Yb-161



49

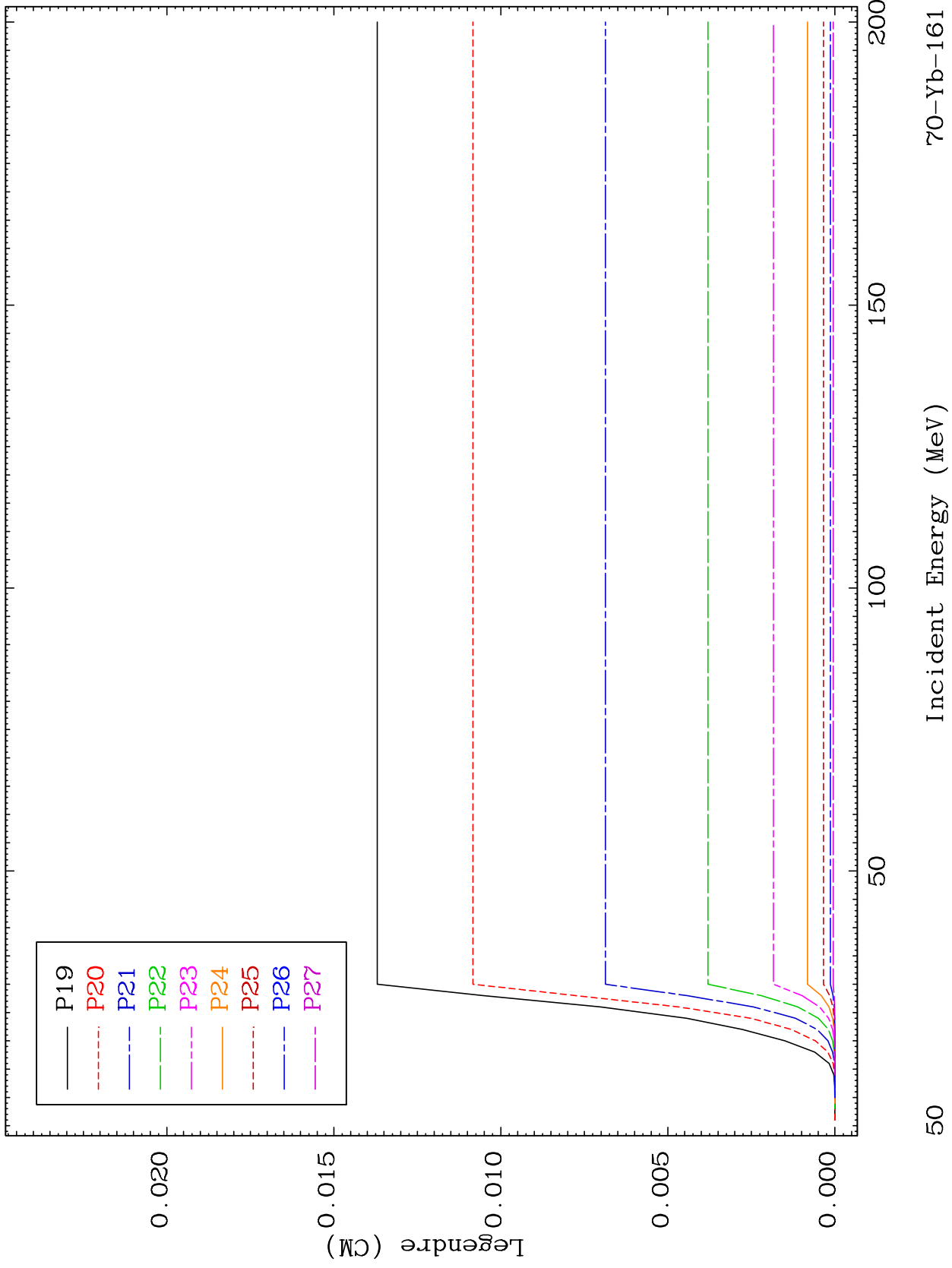
Incident Energy (MeV)

70-Yb-161

MAT 7004

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

70-Yb-161



70-Yb-161

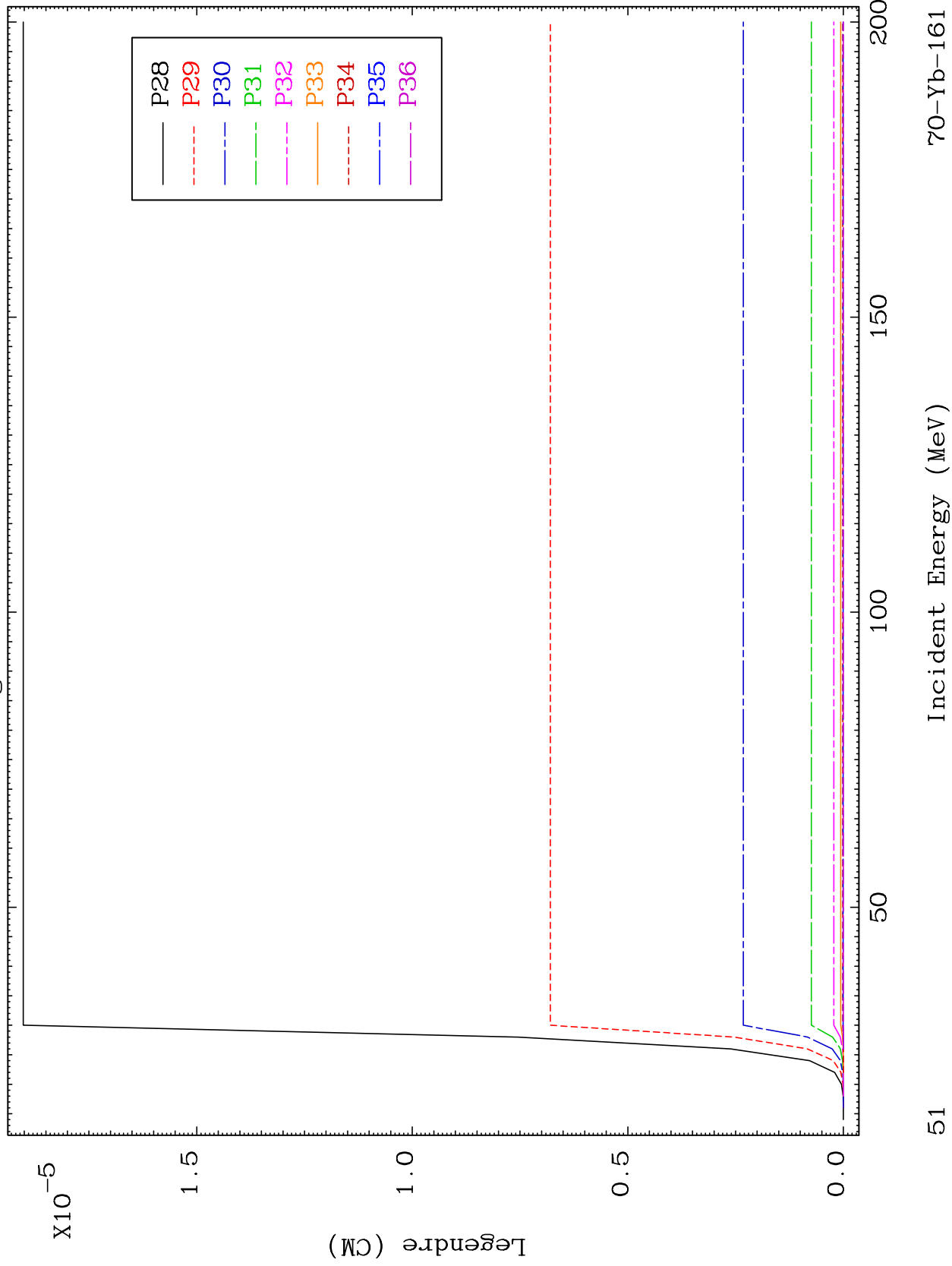
Incident Energy (MeV)

50

MAT 7004

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

70-Yb-161



51

Incident Energy (MeV)

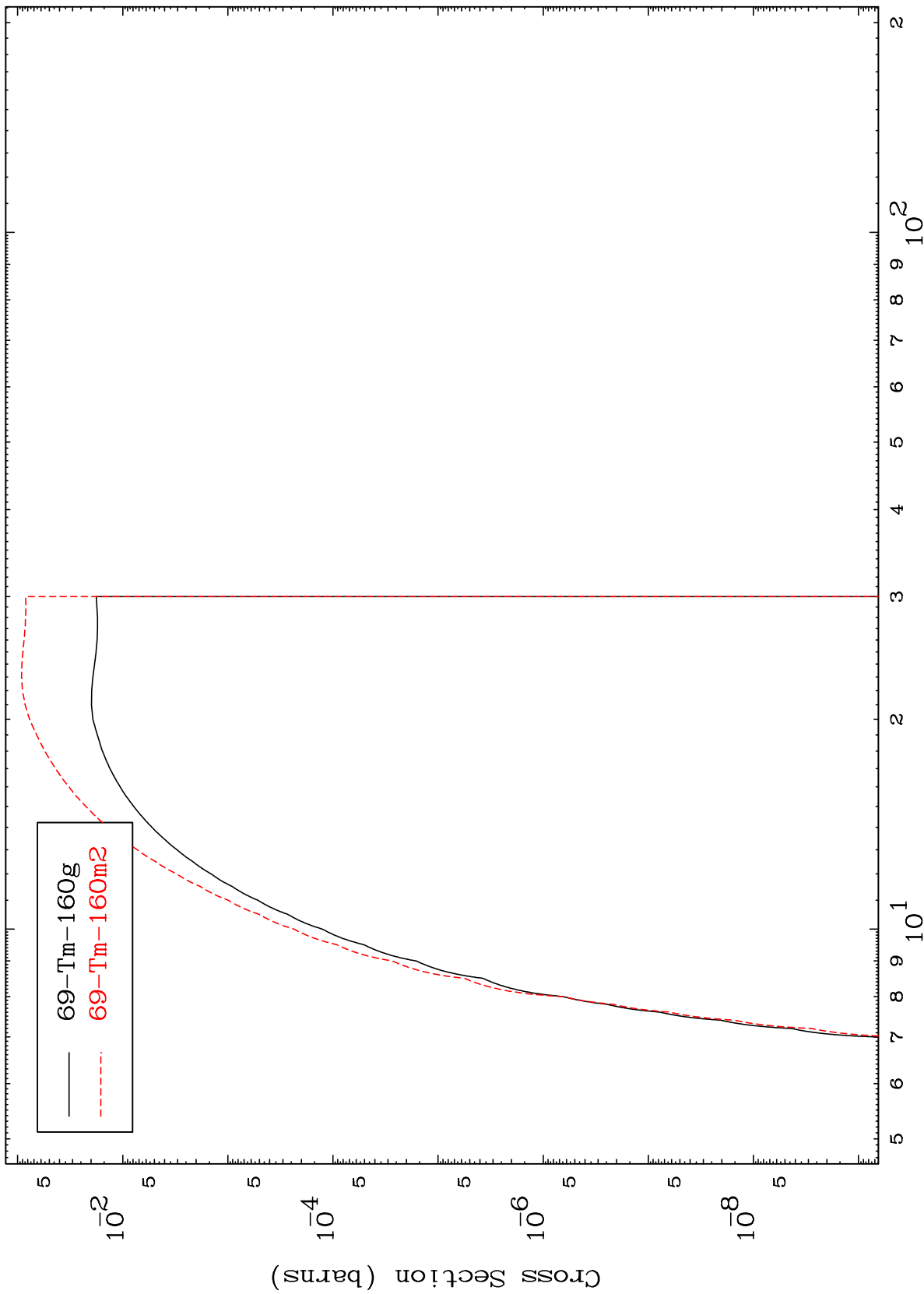
70-Yb-161

MAT 7004

(n,n') p

70-Yb-161

Radionuclide Production Cross Section



52

Incident Energy (MeV)

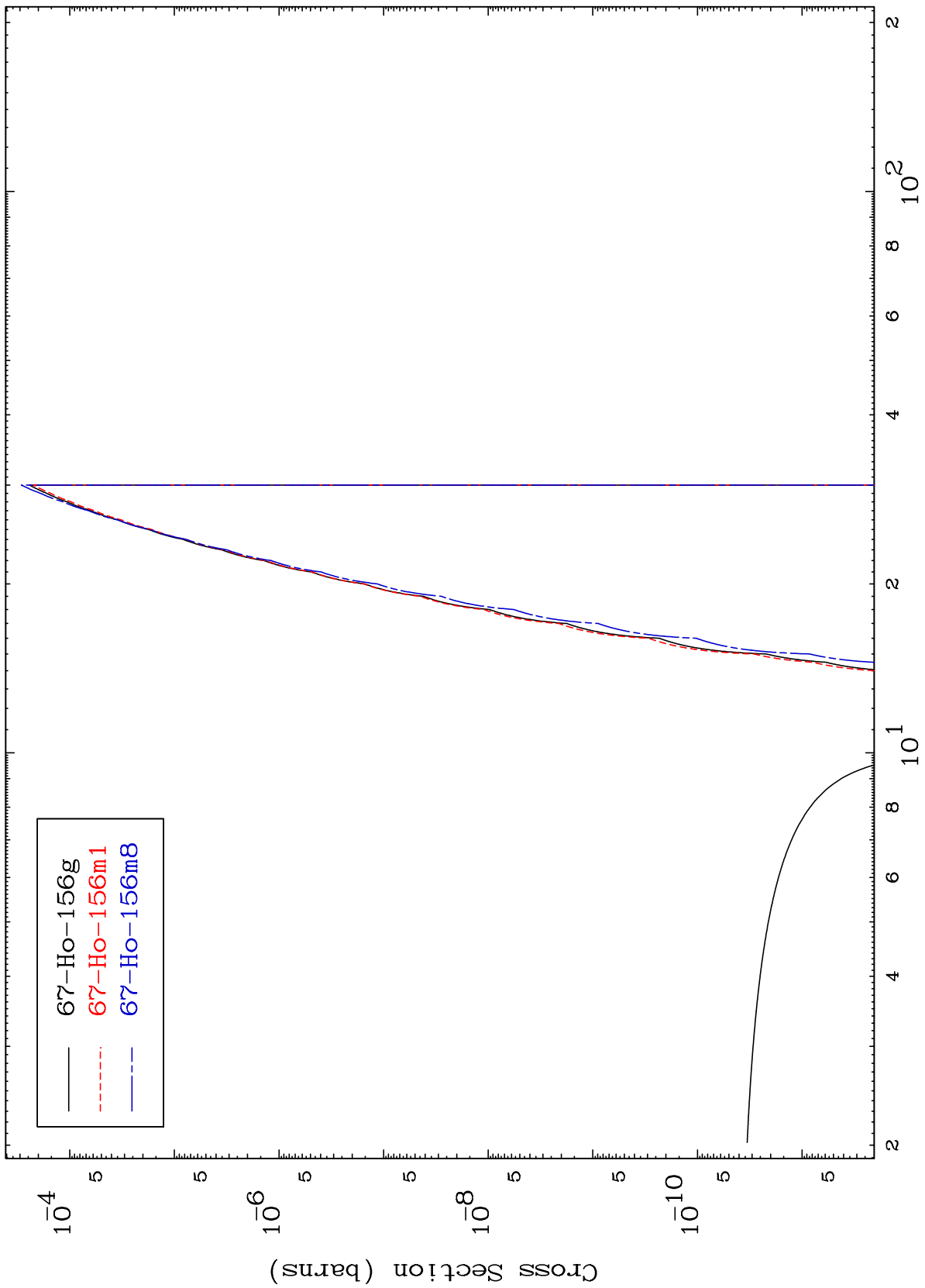
70-Yb-161

MAT 7004

(n,n') p  $\alpha$

70-Yb-161

Radionuclide Production Cross Section



53

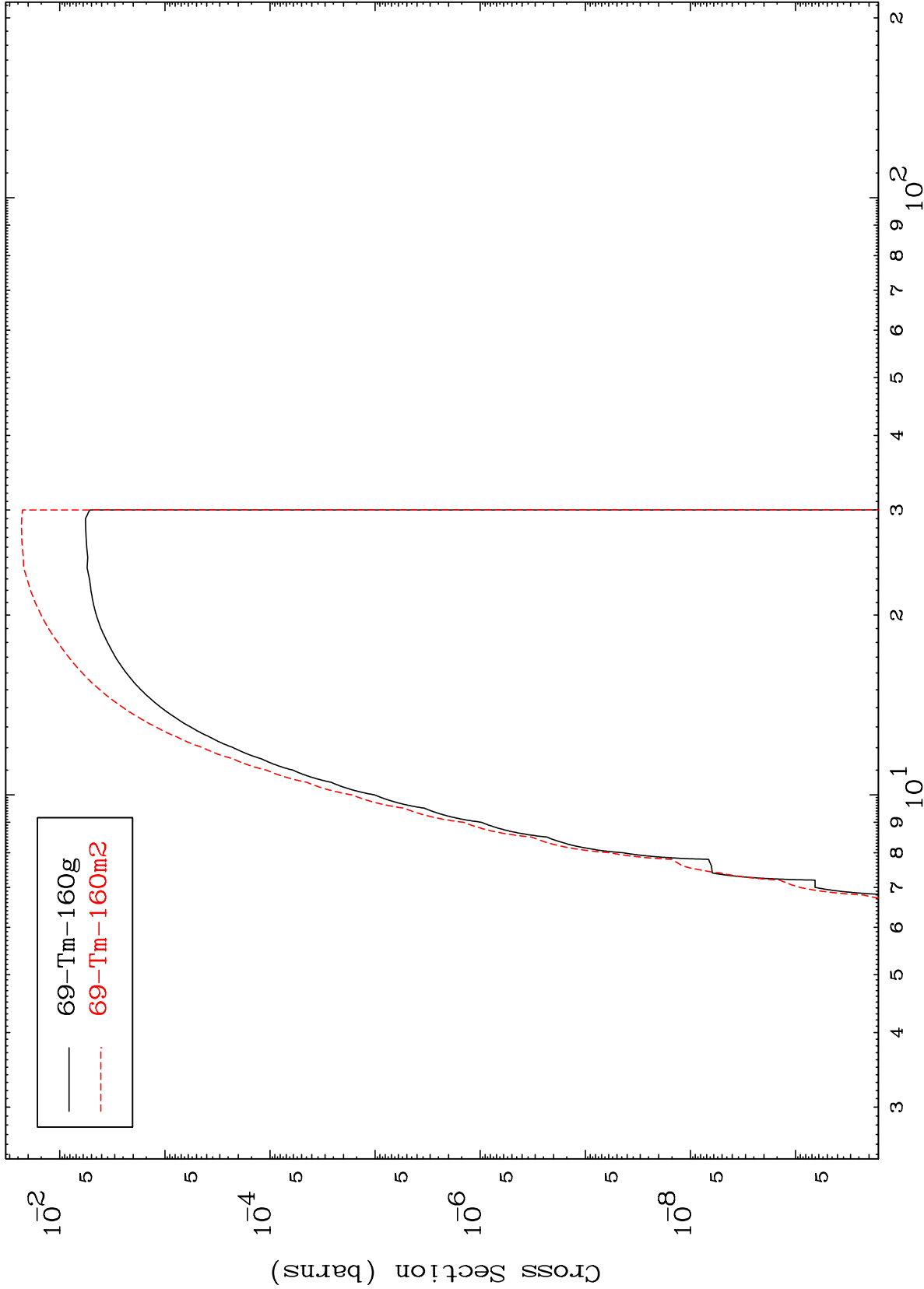
Incident Energy (MeV)

70-Yb-161

MAT 7004

70-Yb-161

(n,d)  
Radionuclide Production Cross Section



70-Yb-161

Incident Energy (MeV)

54

MAT 7004

(n,d)  $\alpha$

70-Yb-161

Radionuclide Production Cross Section

