

Program EVALPLOT  
(Version 2021-1)

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

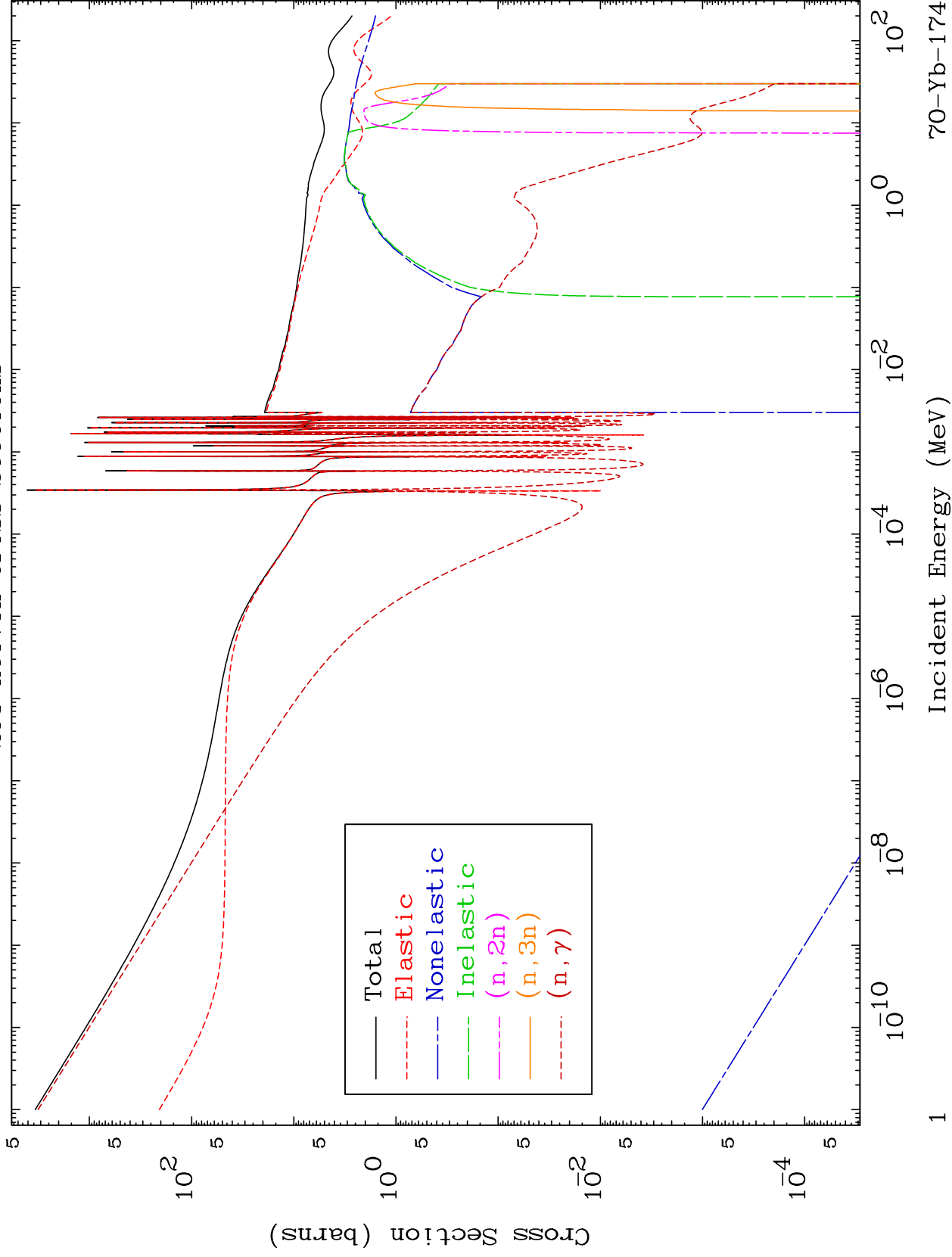
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7043

Neutron Major  
293 Kelvin Cross Sections

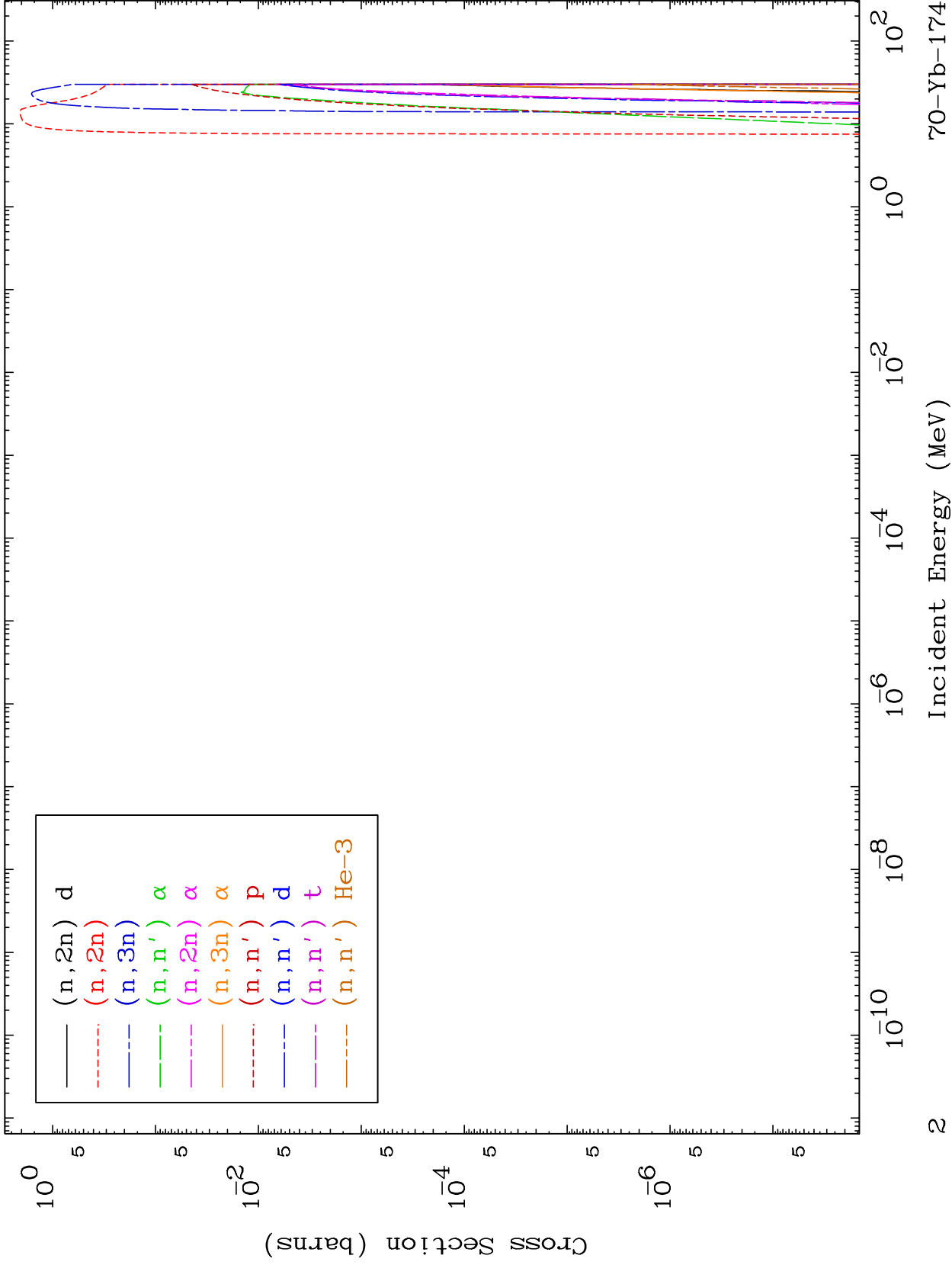
70-Yb-174



MAT 7043

Neutron Absorption  
293 Kelvin Cross Sections

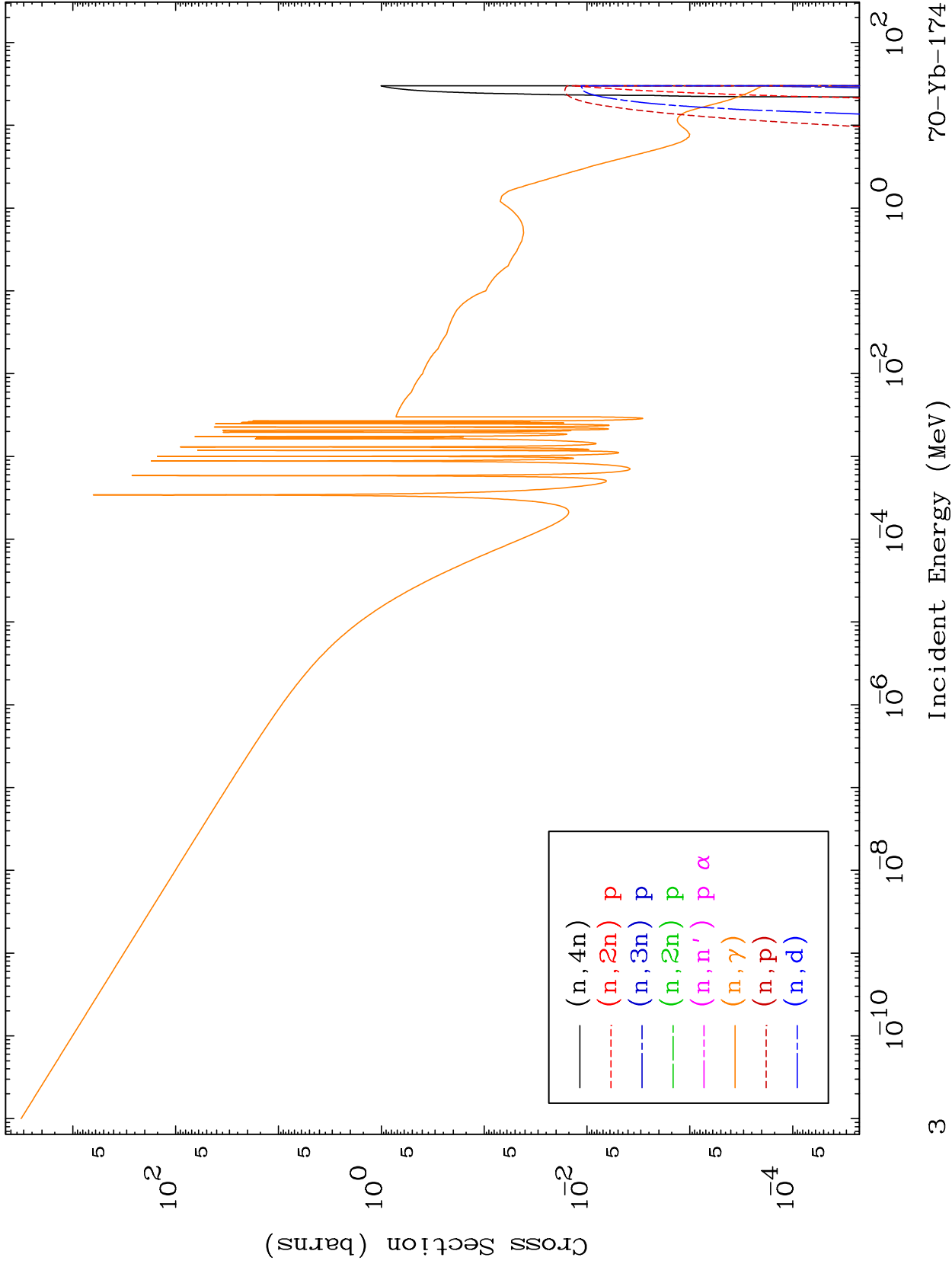
70-Yb-174

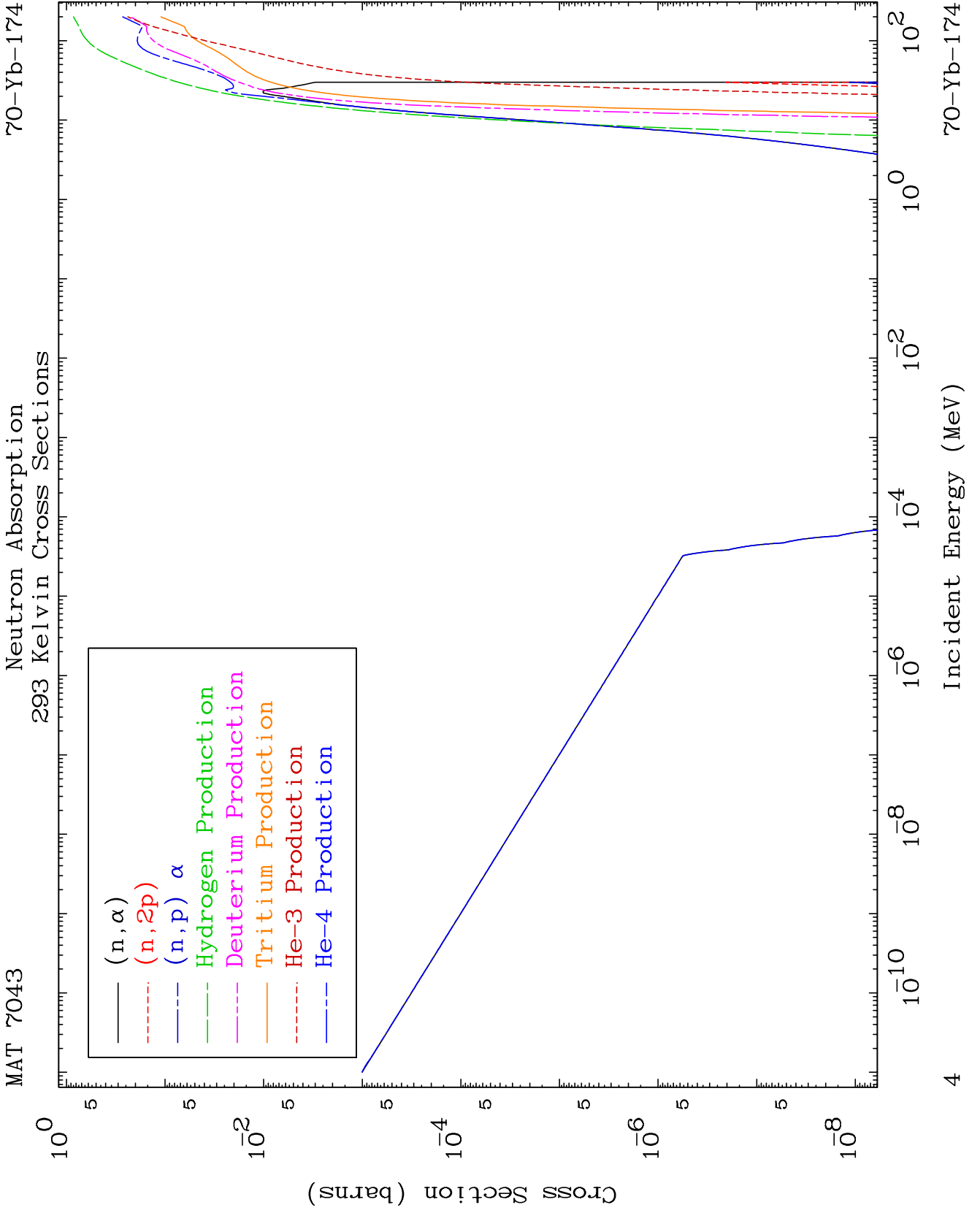


MAT 7043

Neutron Absorption  
293 Kelvin Cross Sections

70-Yb-174

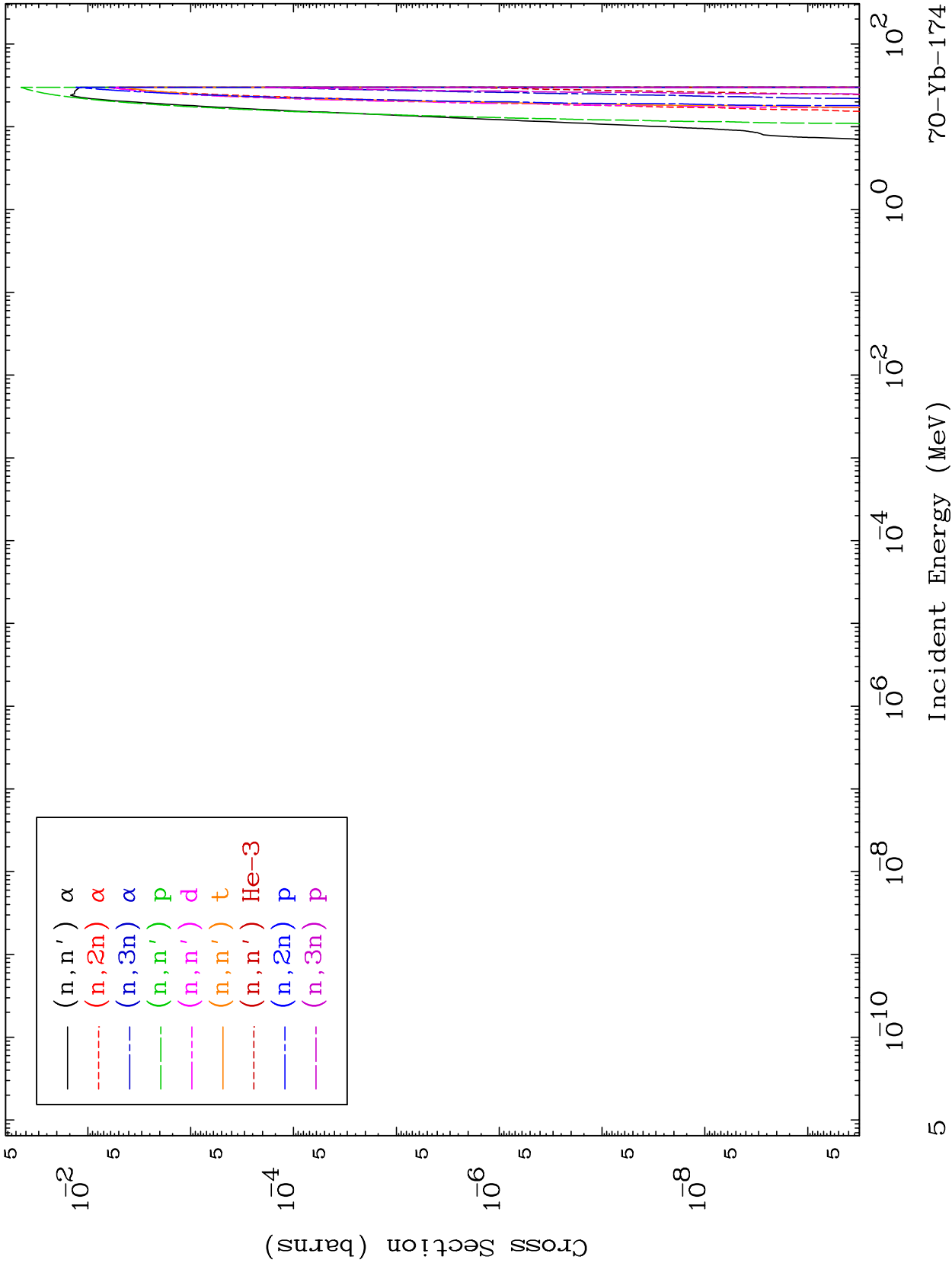




MAT 7043

Charged Particle  
293 Kelvin Cross Sections

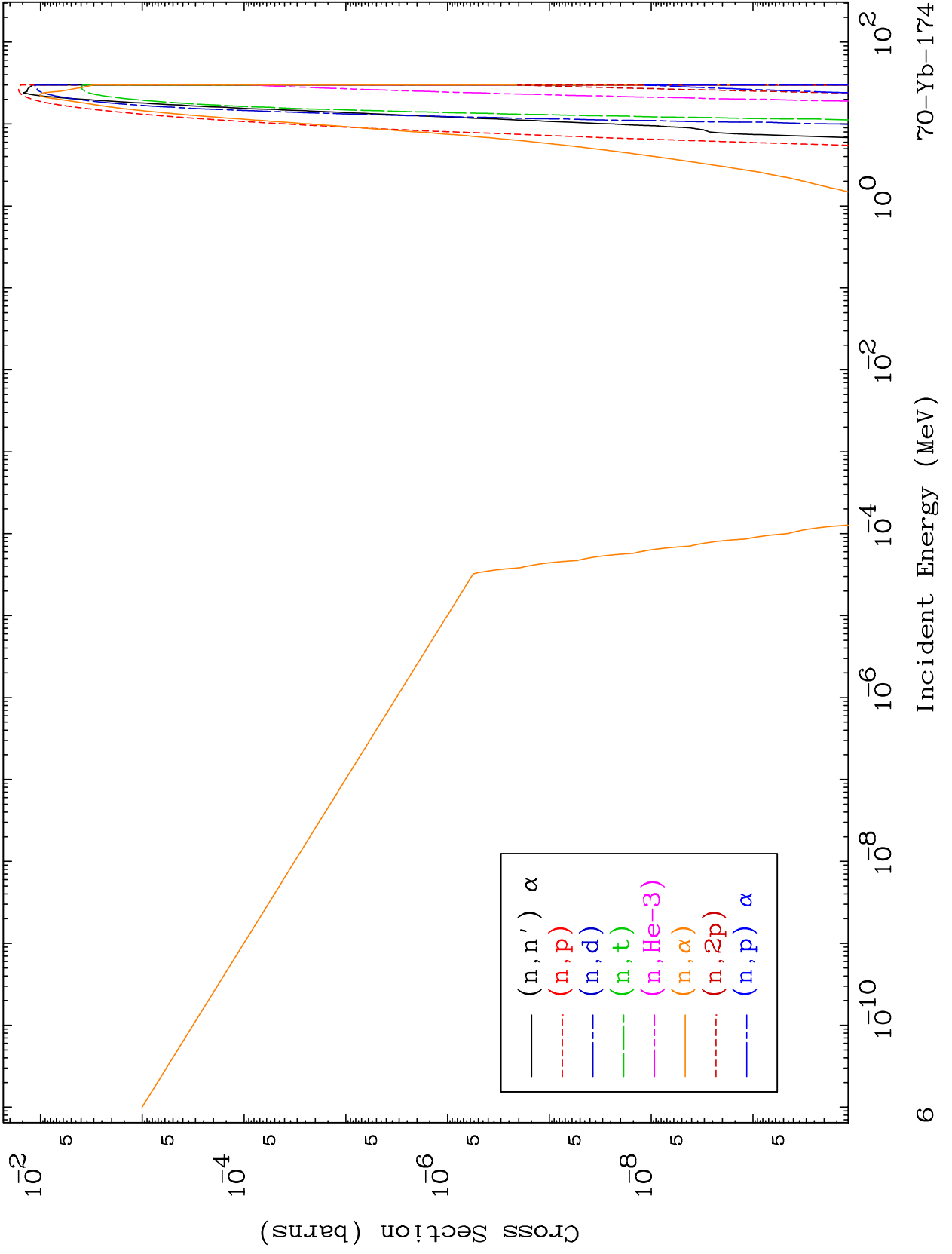
70-Yb-174



MAT 7043

Charged Particle  
293 Kelvin Cross Sections

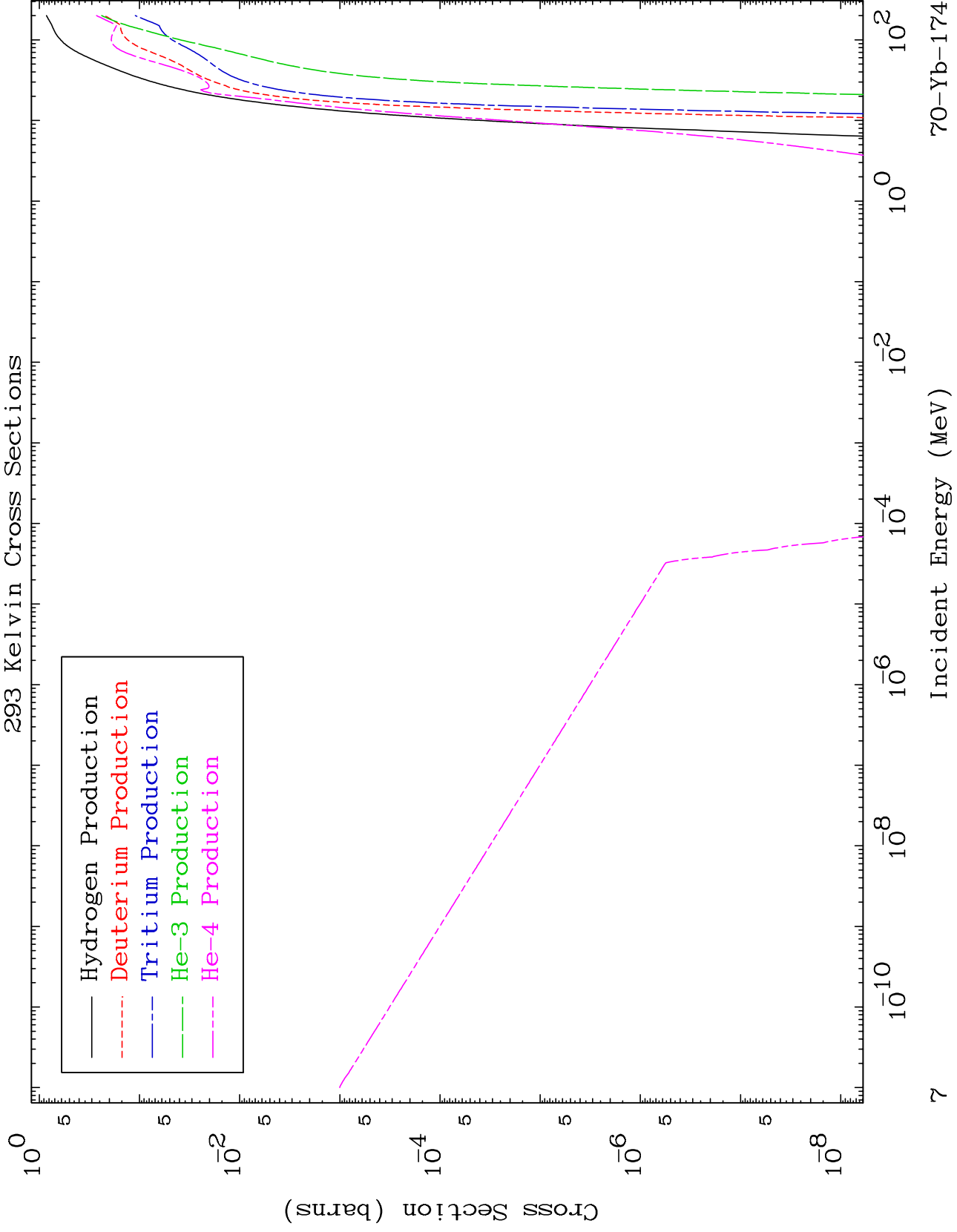
70-Yb-174



MAT 7043

Particle Production  
293 Kelvin Cross Sections

70-Yb-174



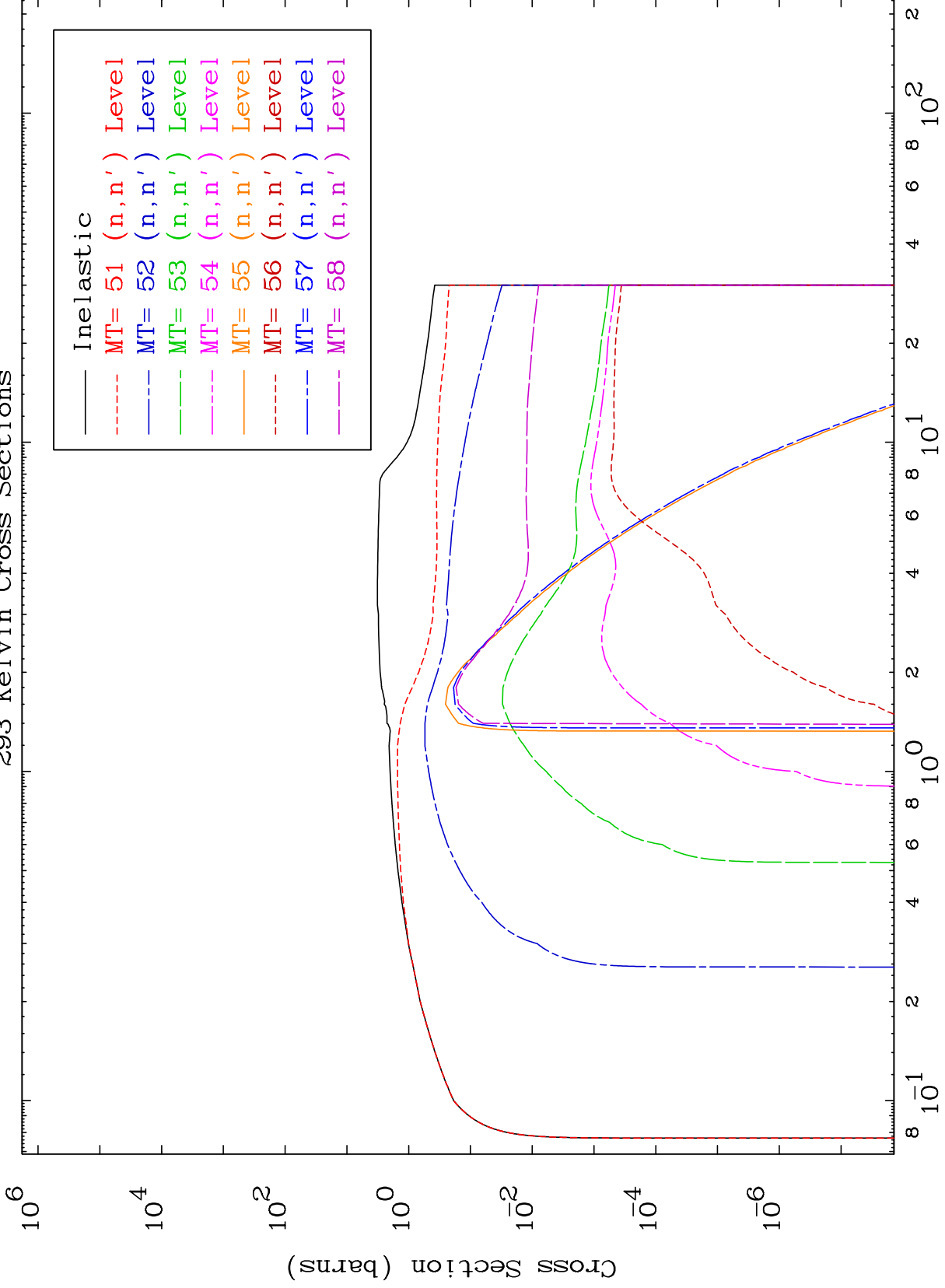


MAT 7043

(n,n') Levels

70-Yb-174

293 Kelvin Cross Sections



8

Incident Energy (MeV)

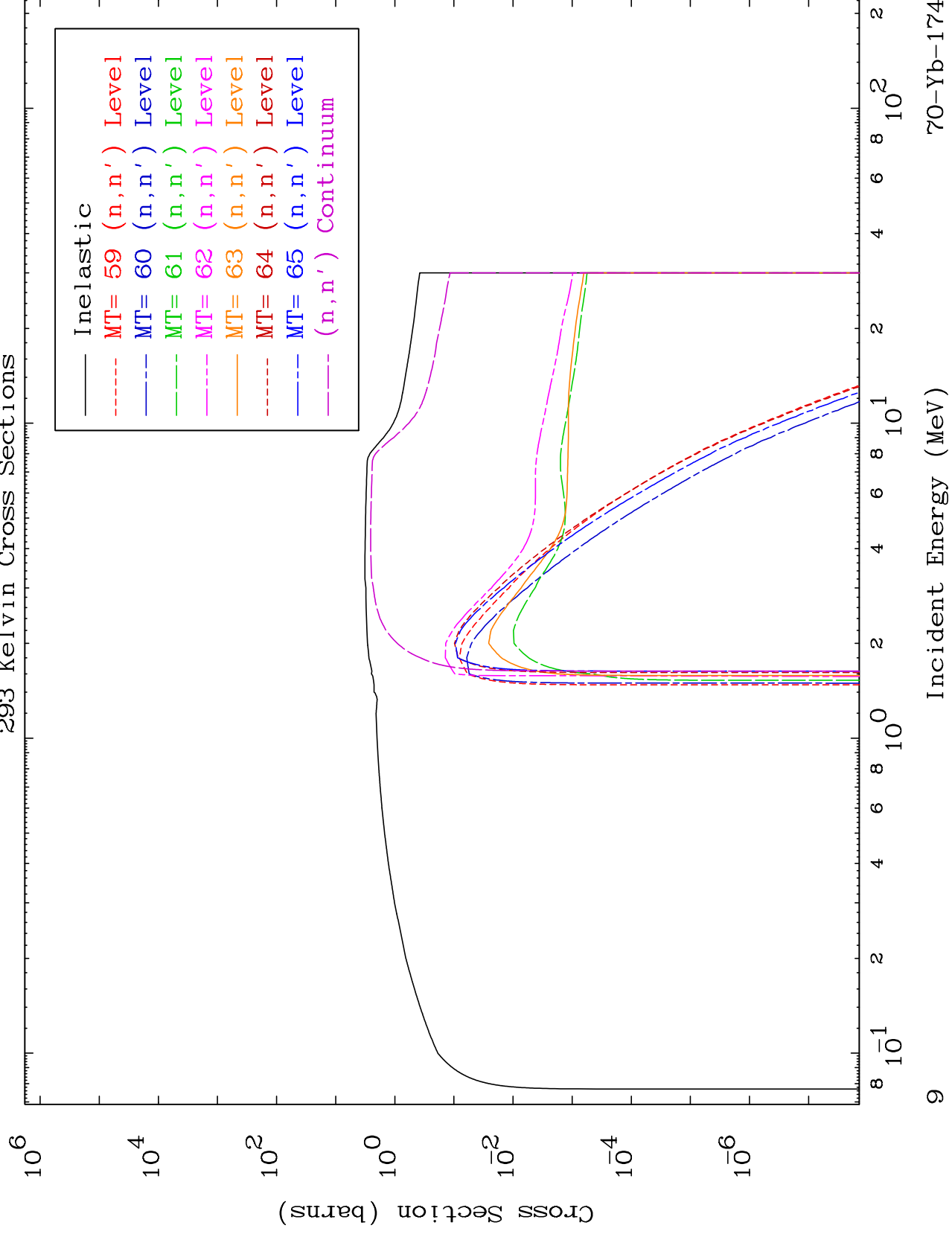
70-Yb-174

MAT 7043

(n,n') Levels

293 Kelvin Cross Sections

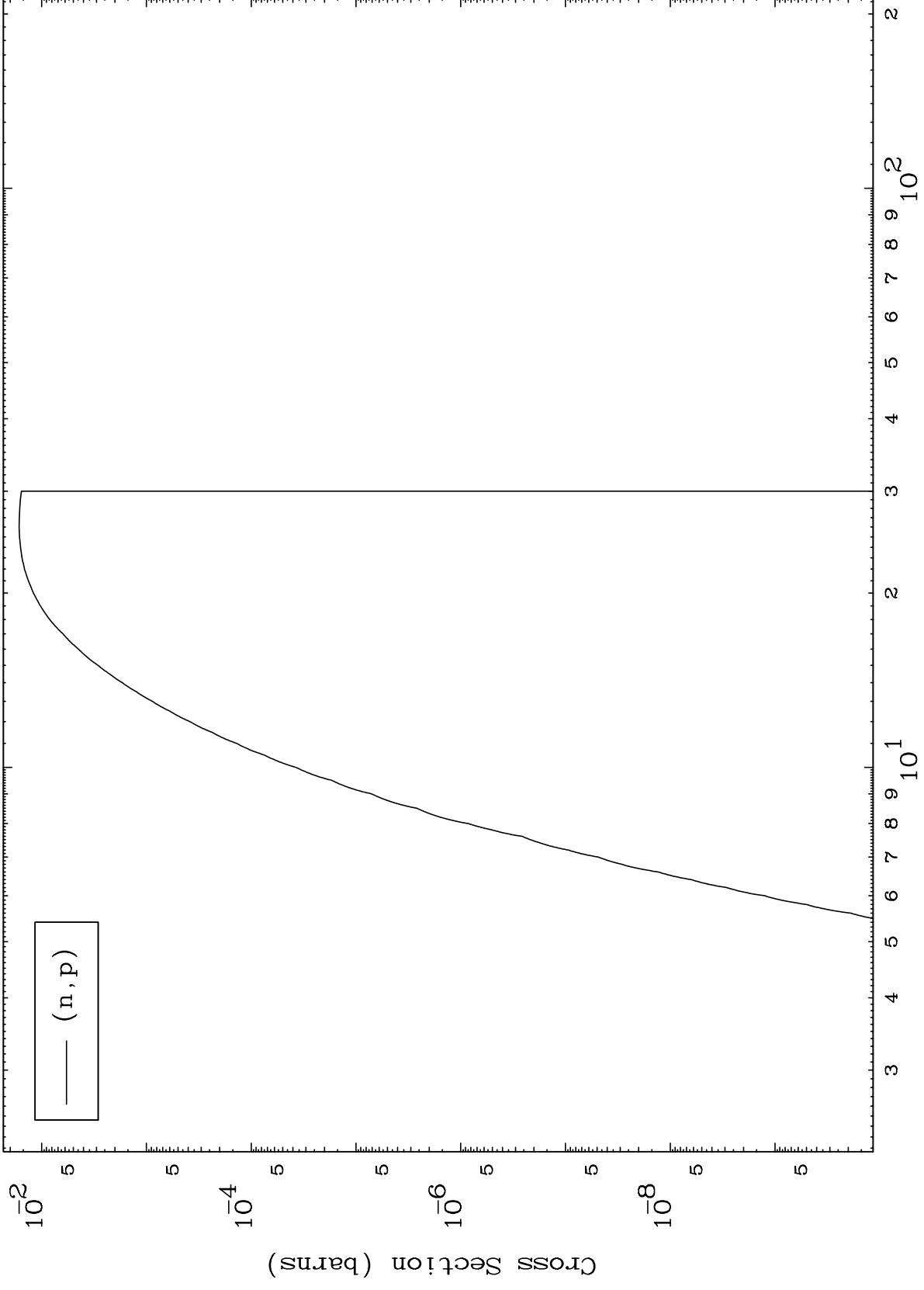
70-Yb-174



MAT 7043

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-174



10

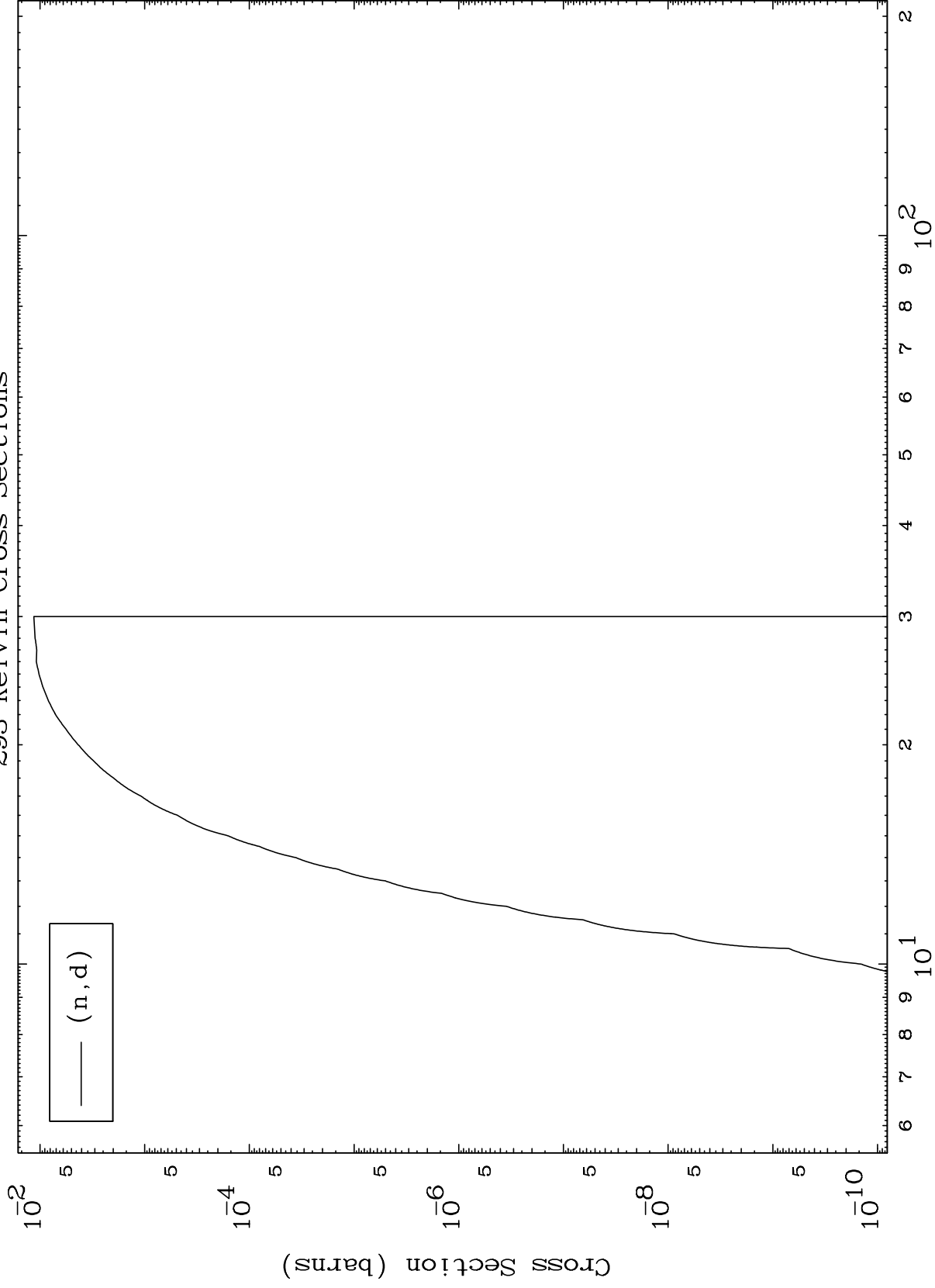
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-174



11

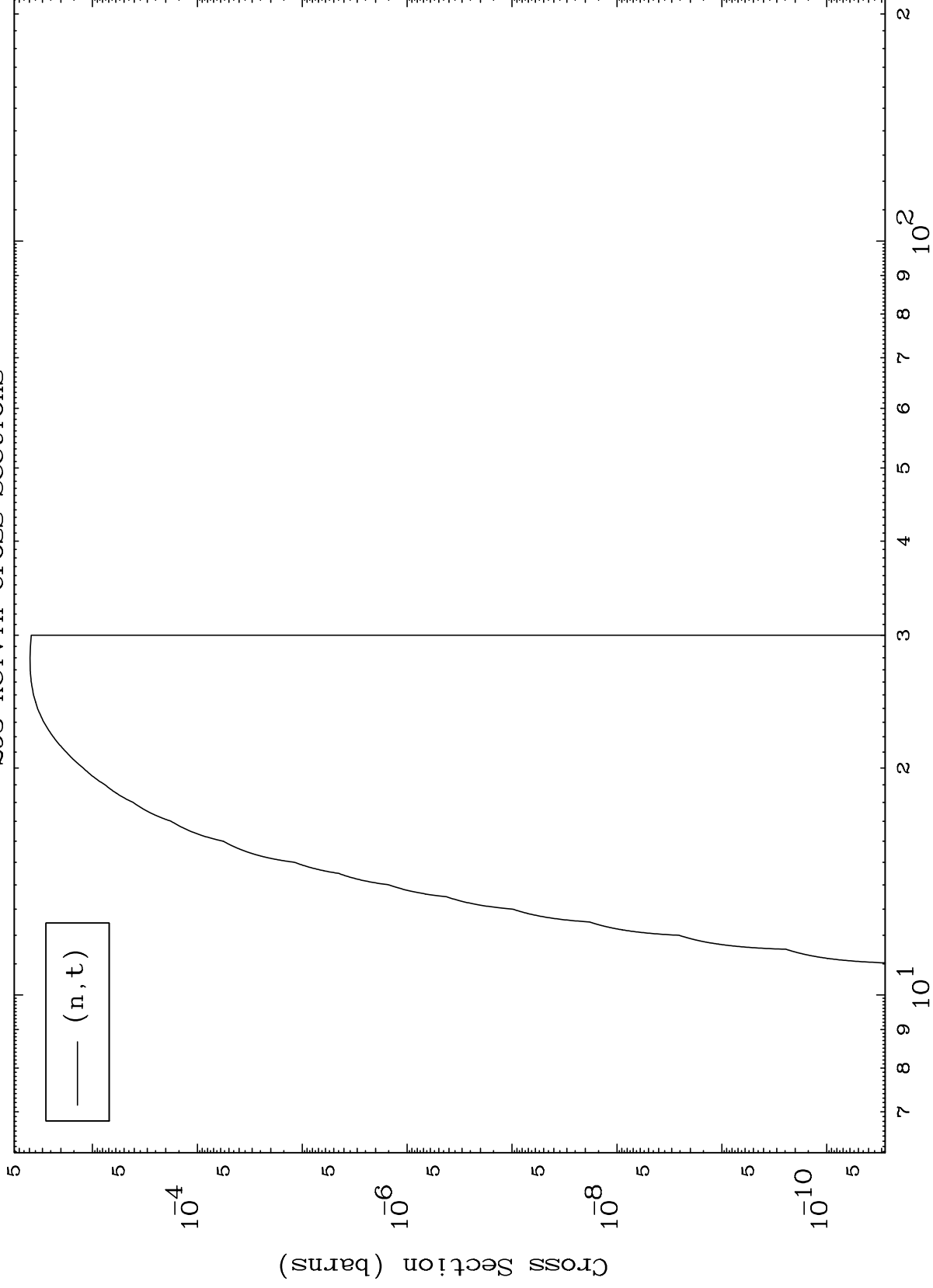
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n, t) Levels  
293 Kelvin Cross Sections

70-Yb-174



12

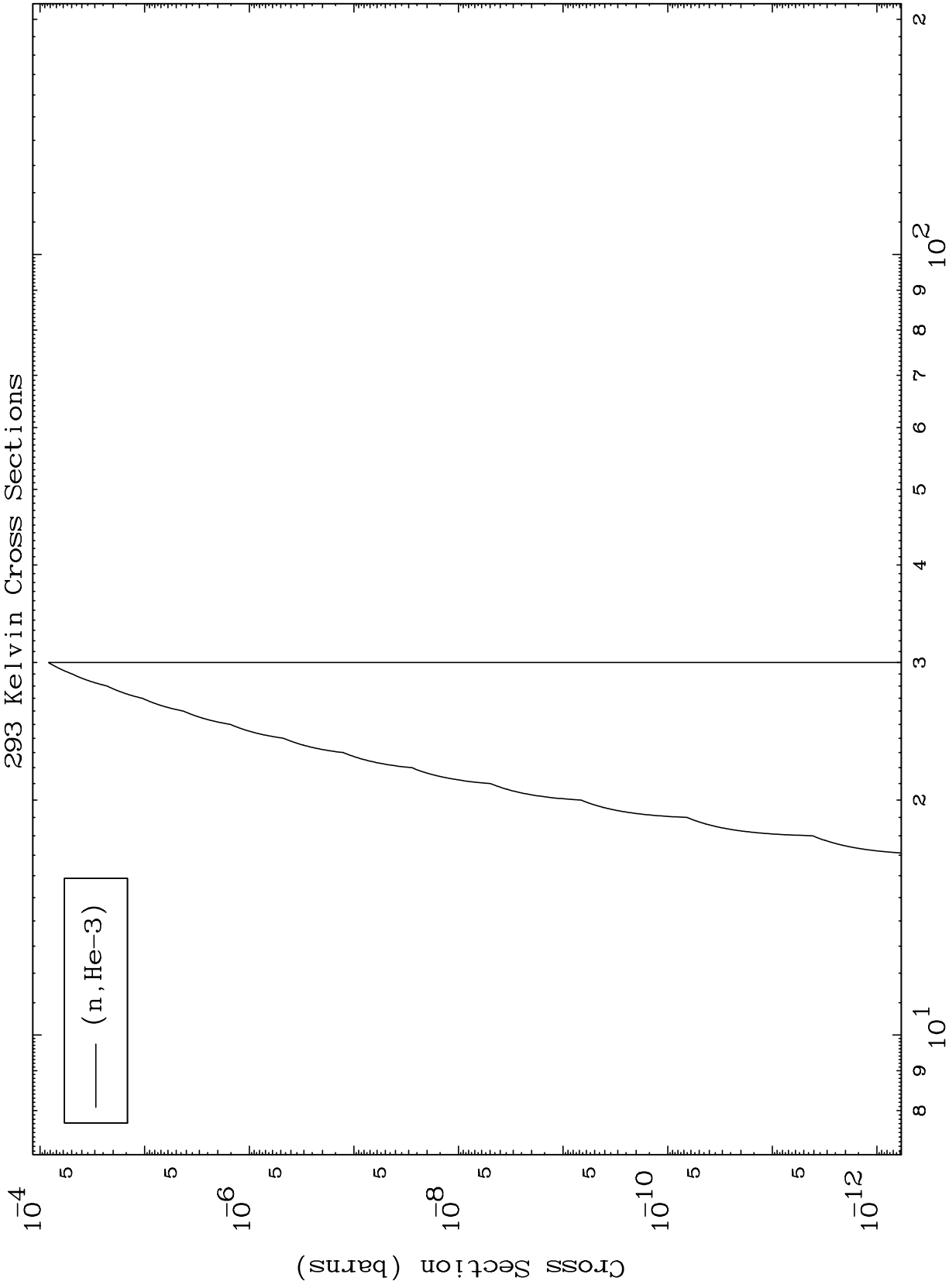
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-174



13

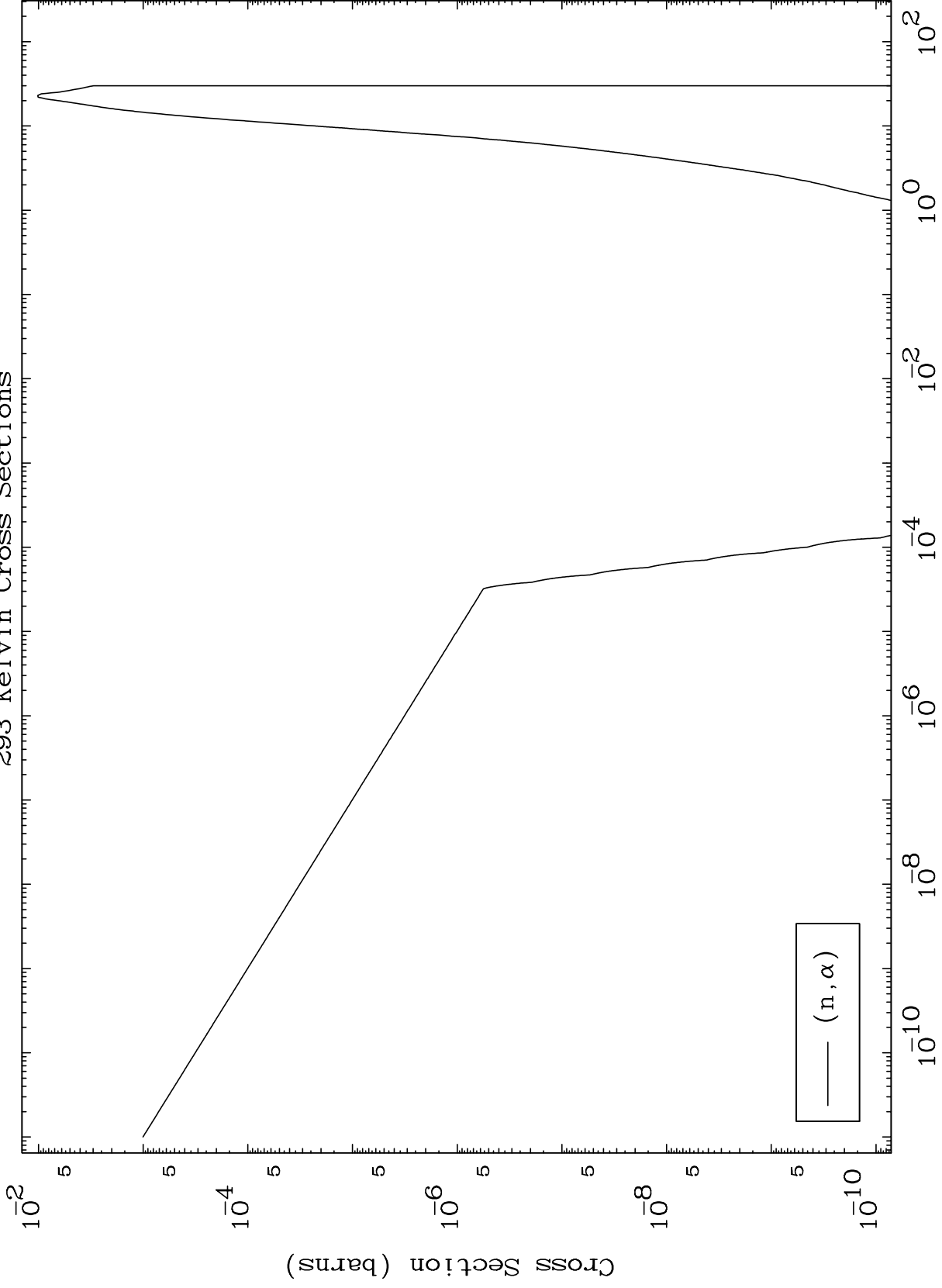
Incident Energy (MeV)

70-Yb-174

MAT 7043

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

70-Yb-174

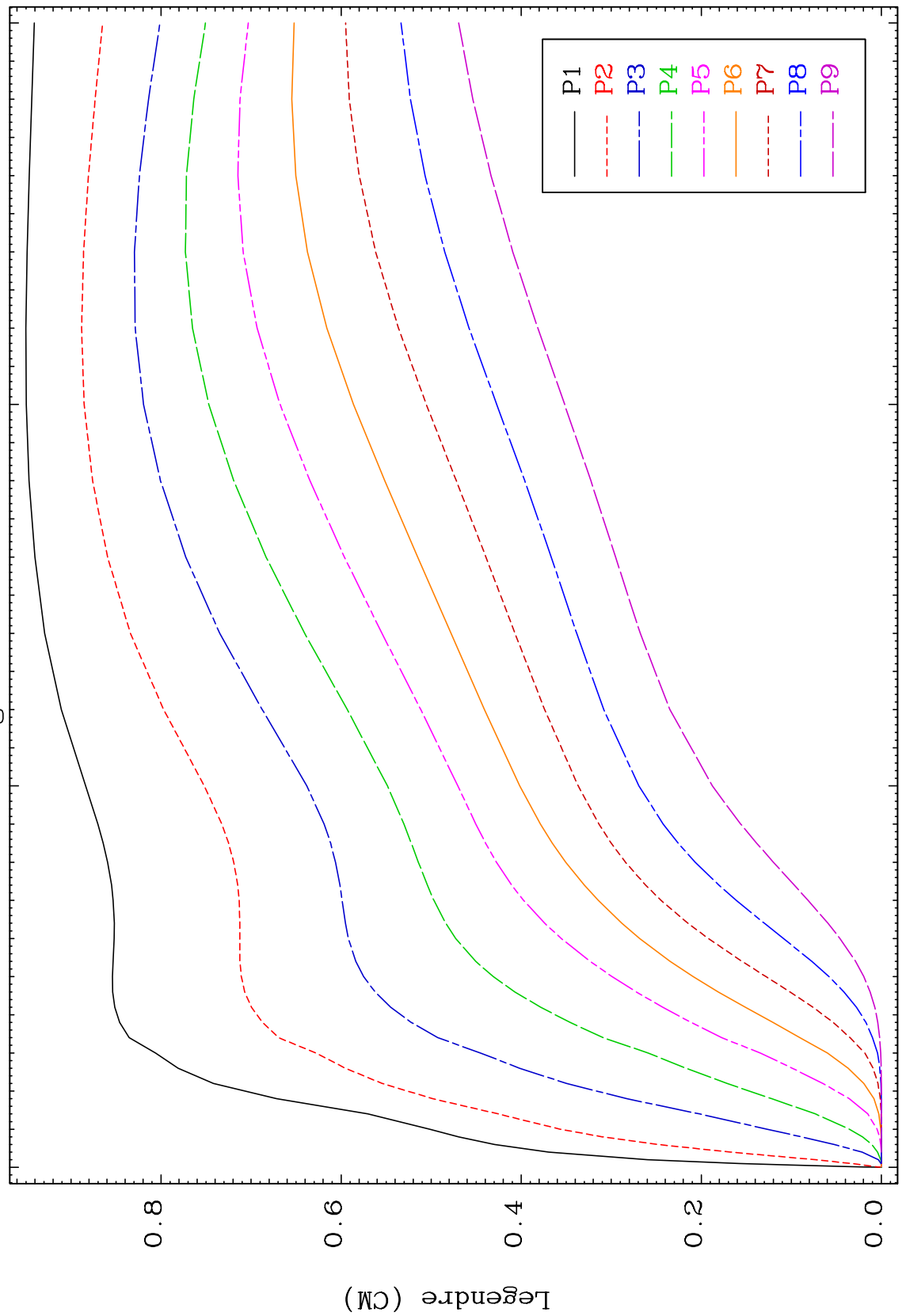


(n,  $\alpha$ )

MAT 7043

70-Yb-174

Elastic Legendre Coefficients

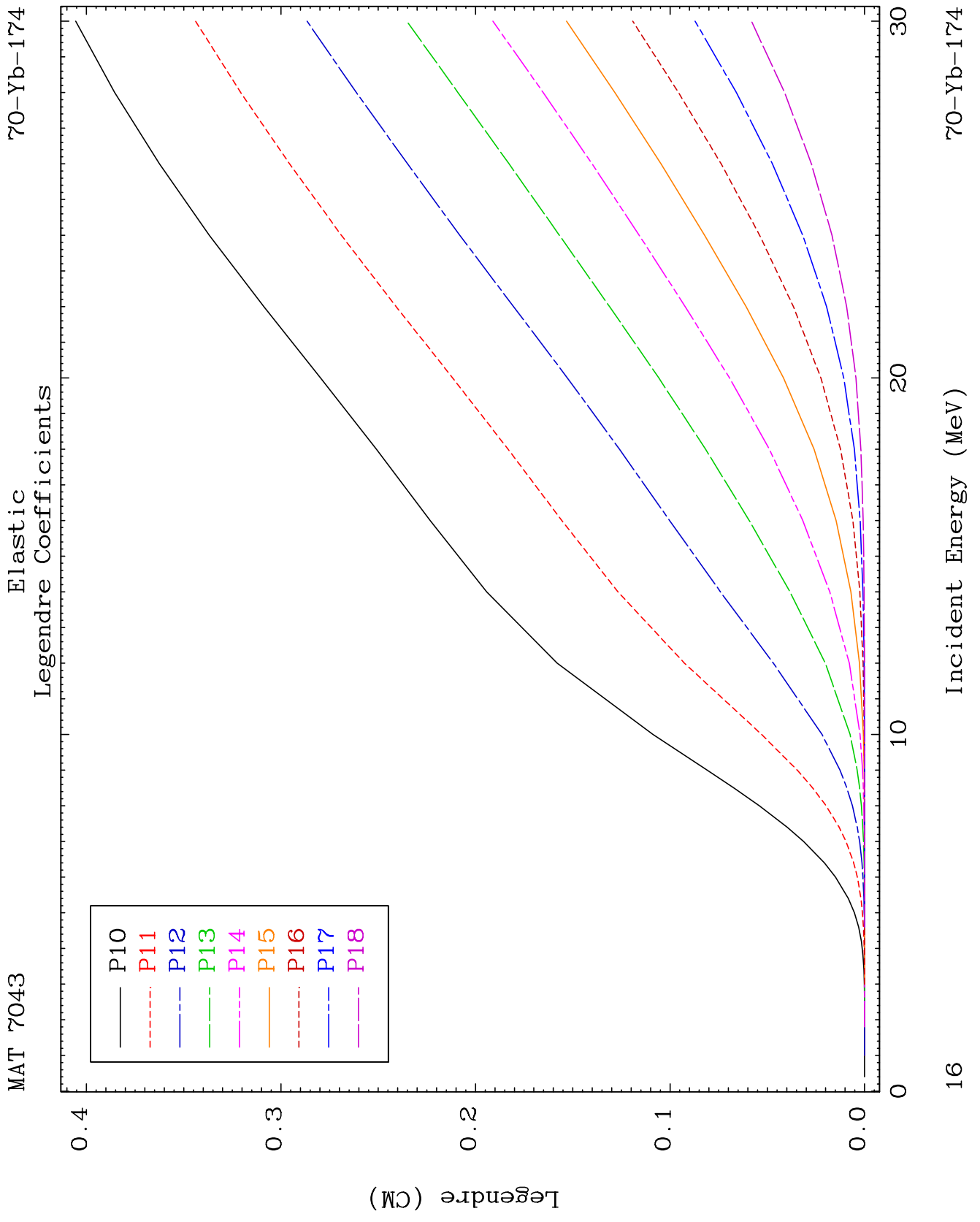


70-Yb-174

Incident Energy (MeV)

0

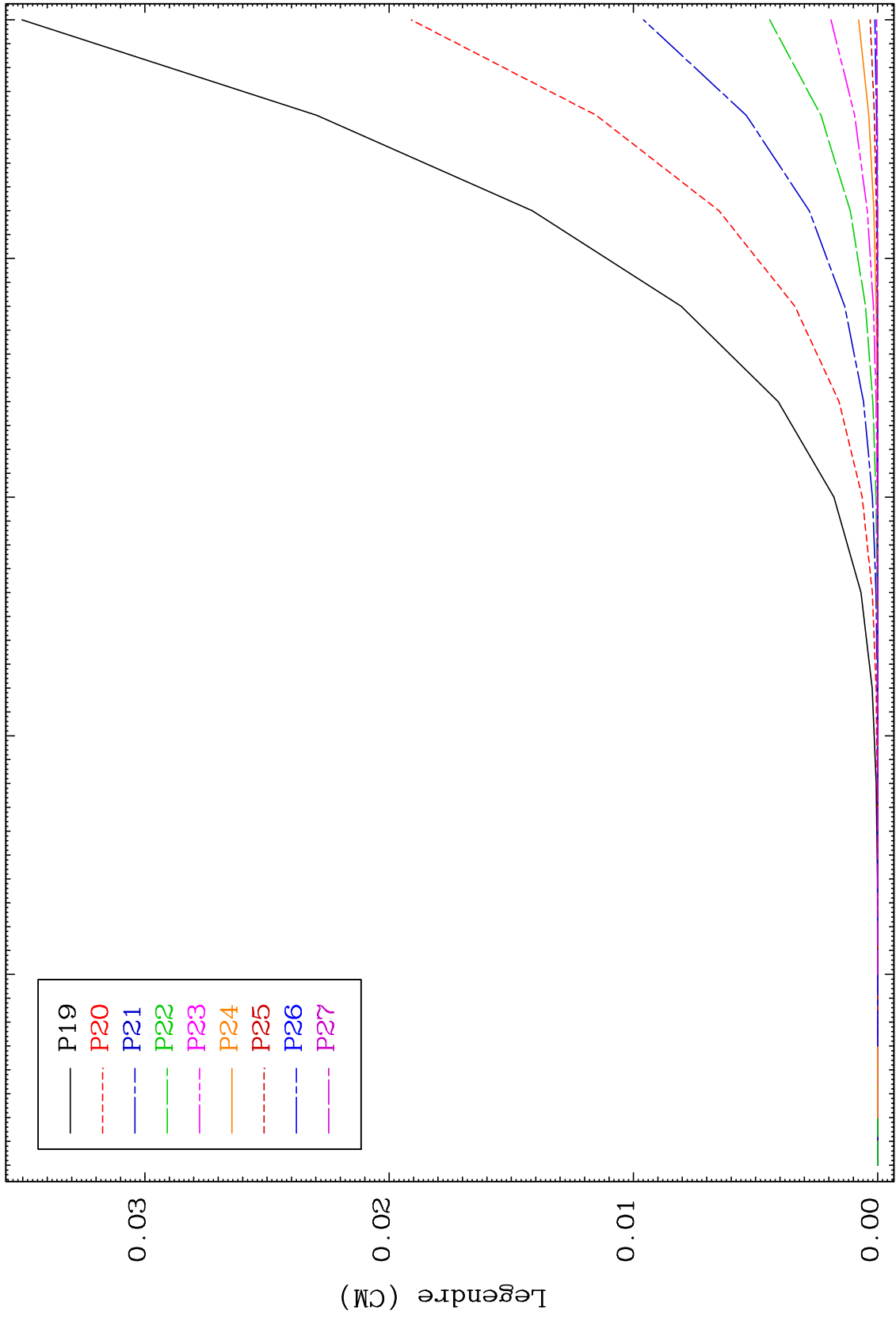




MAT 7043

Elastic Legendre Coefficients

70-Yb-174

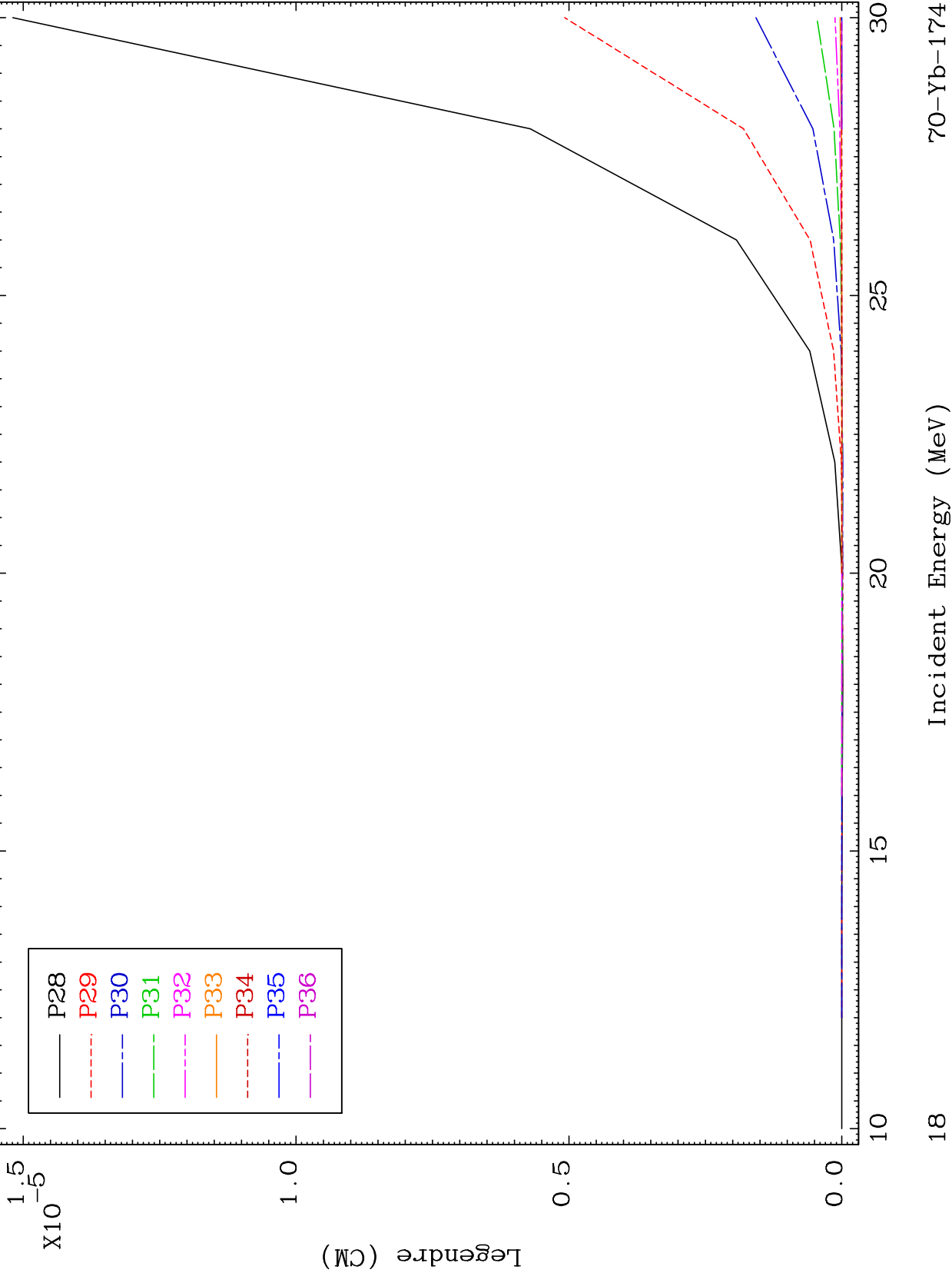


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 7043

Elastic Legendre Coefficients

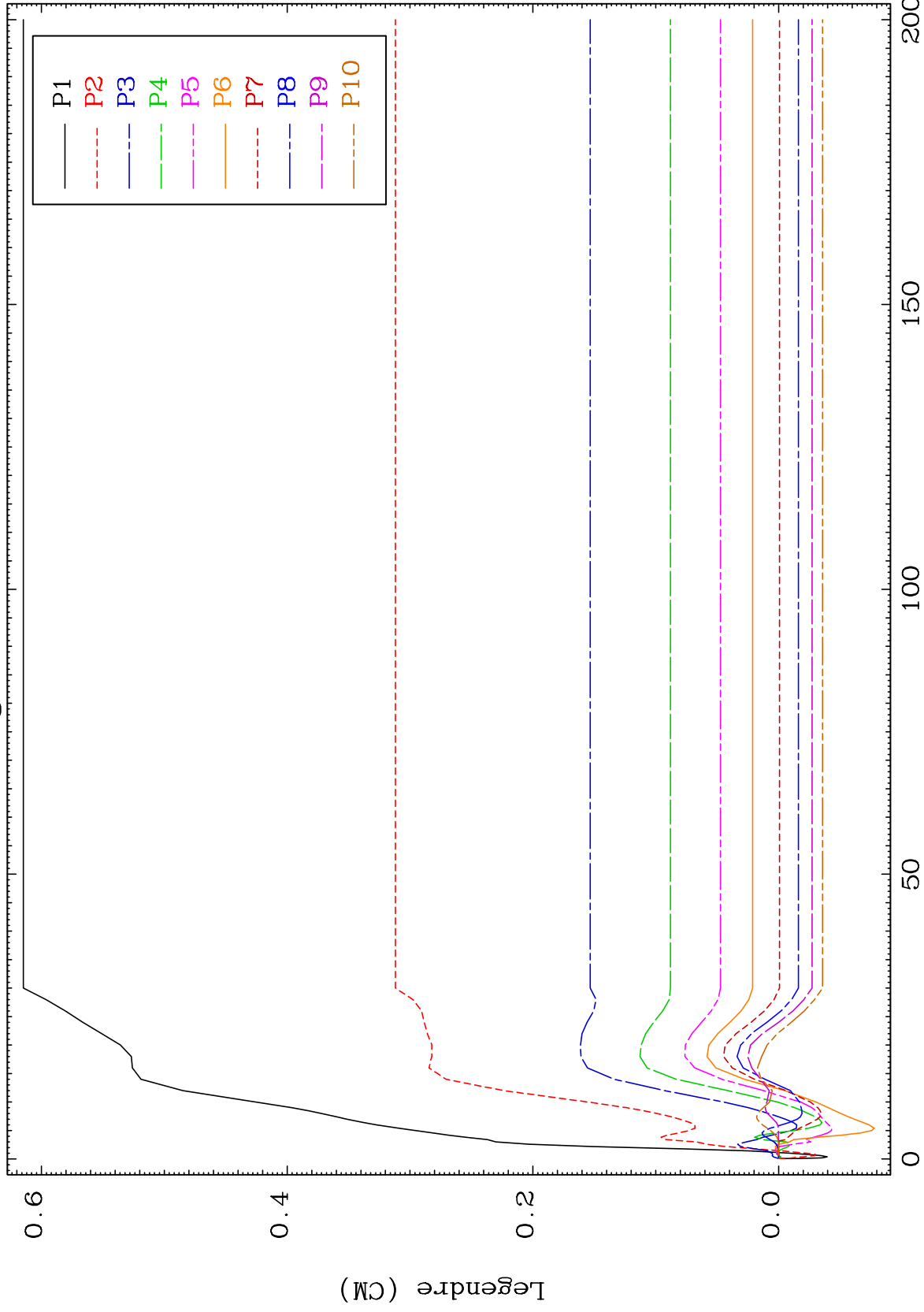
70-Yb-174



MAT 7043

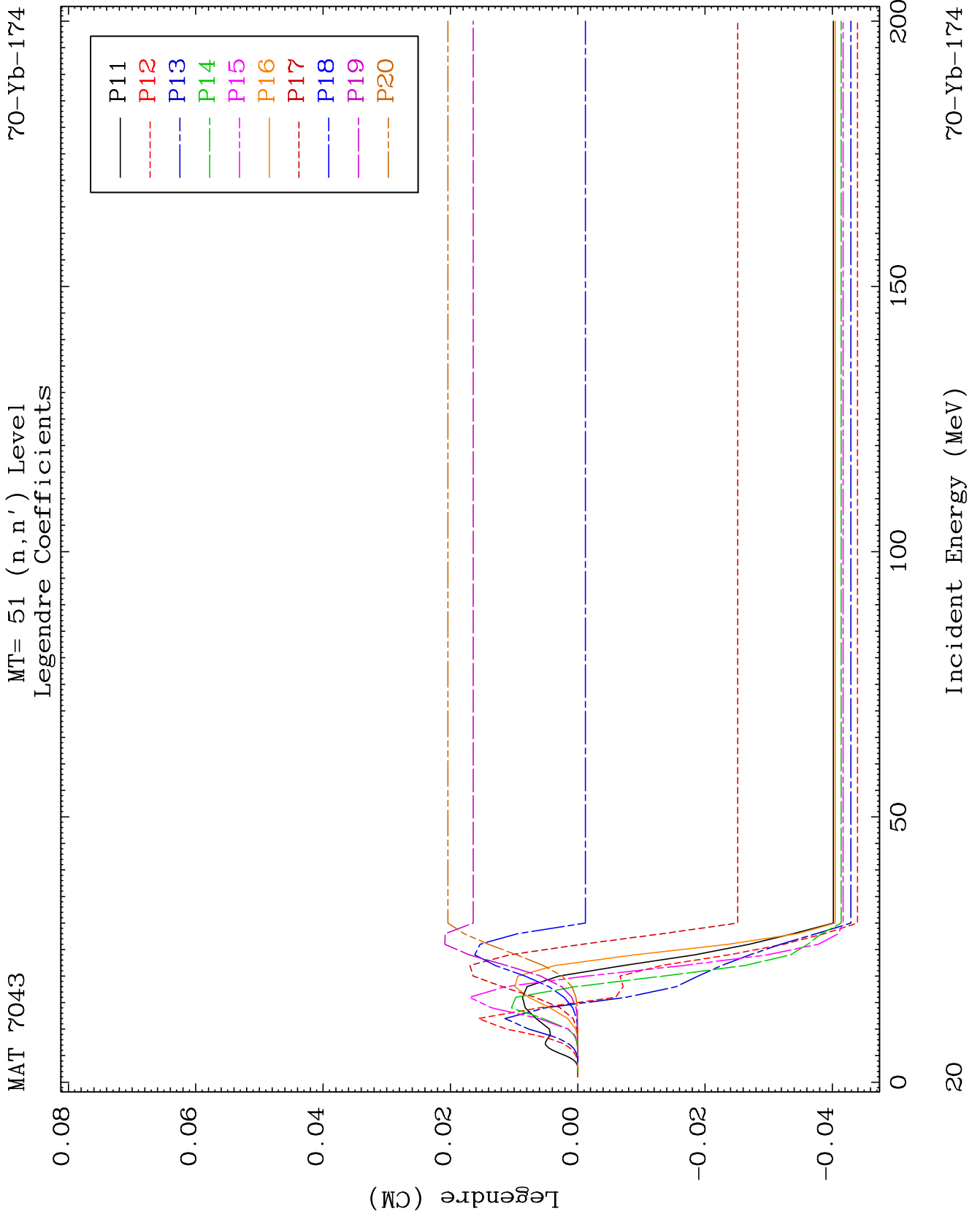
MT= 51 (n,n') Level  
Legendre Coefficients

70-Yb-174



19

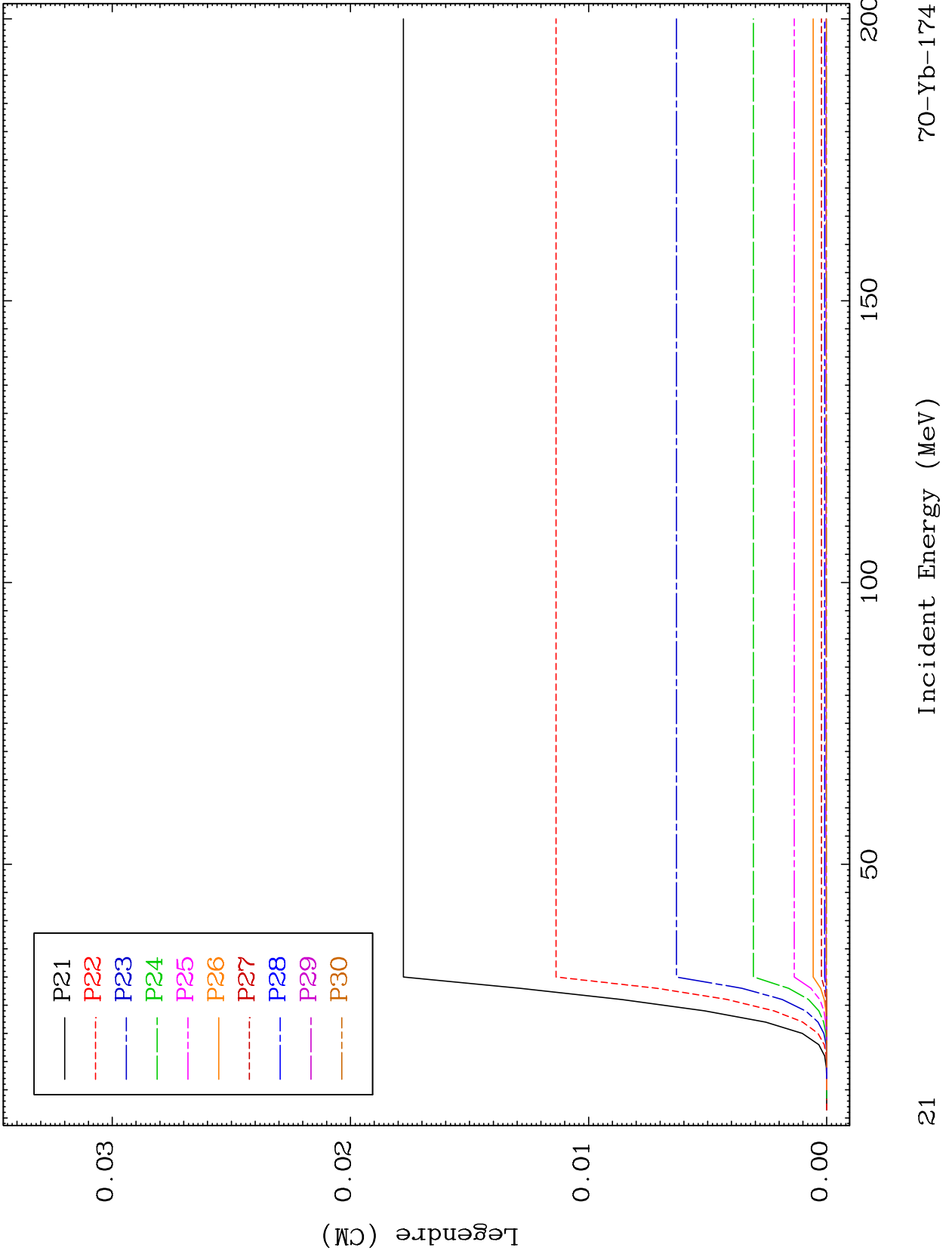
70-Yb-174



MAT 7043

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

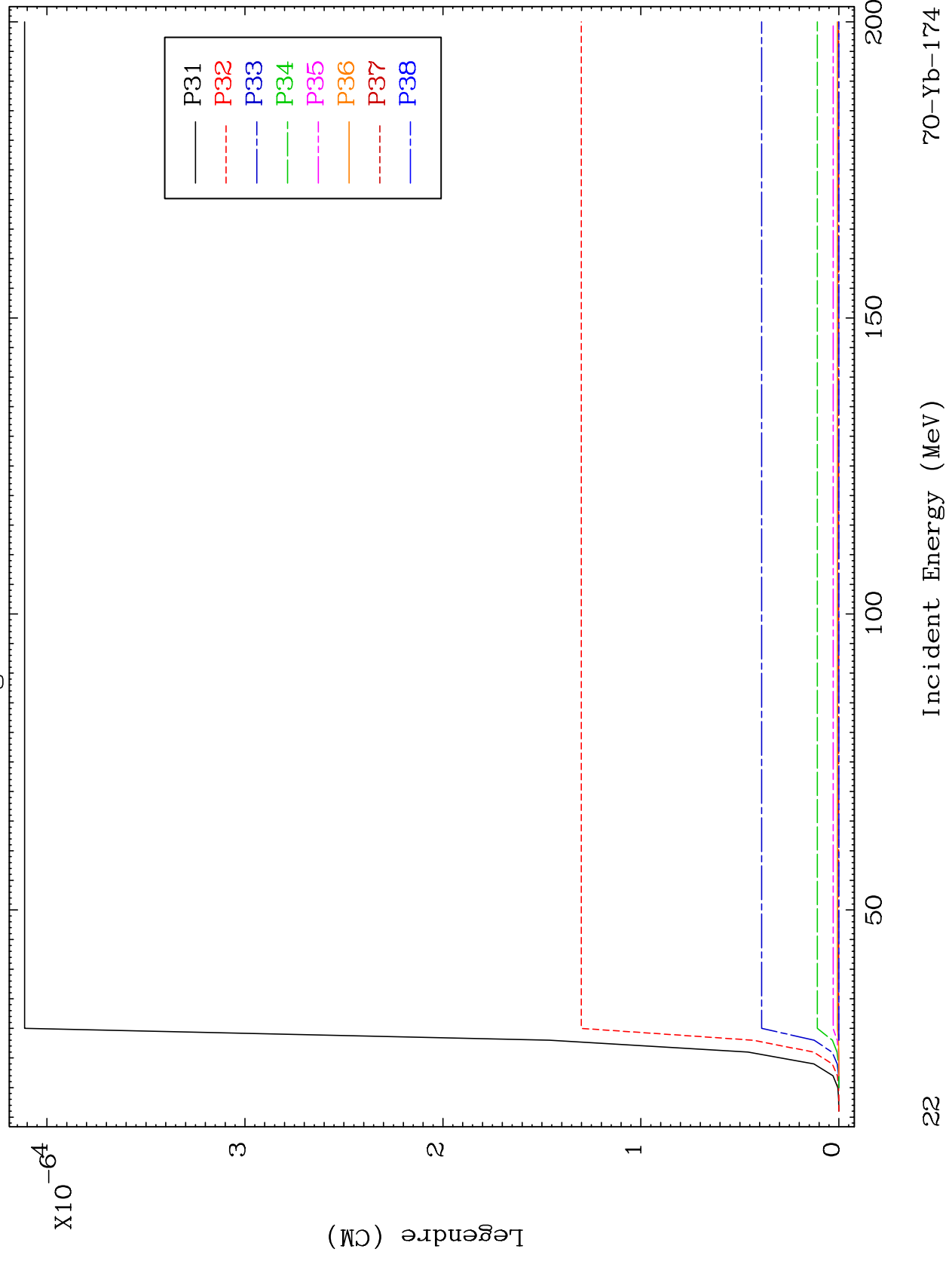
70-Yb-174



MAT 7043

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

70-Yb-174



22

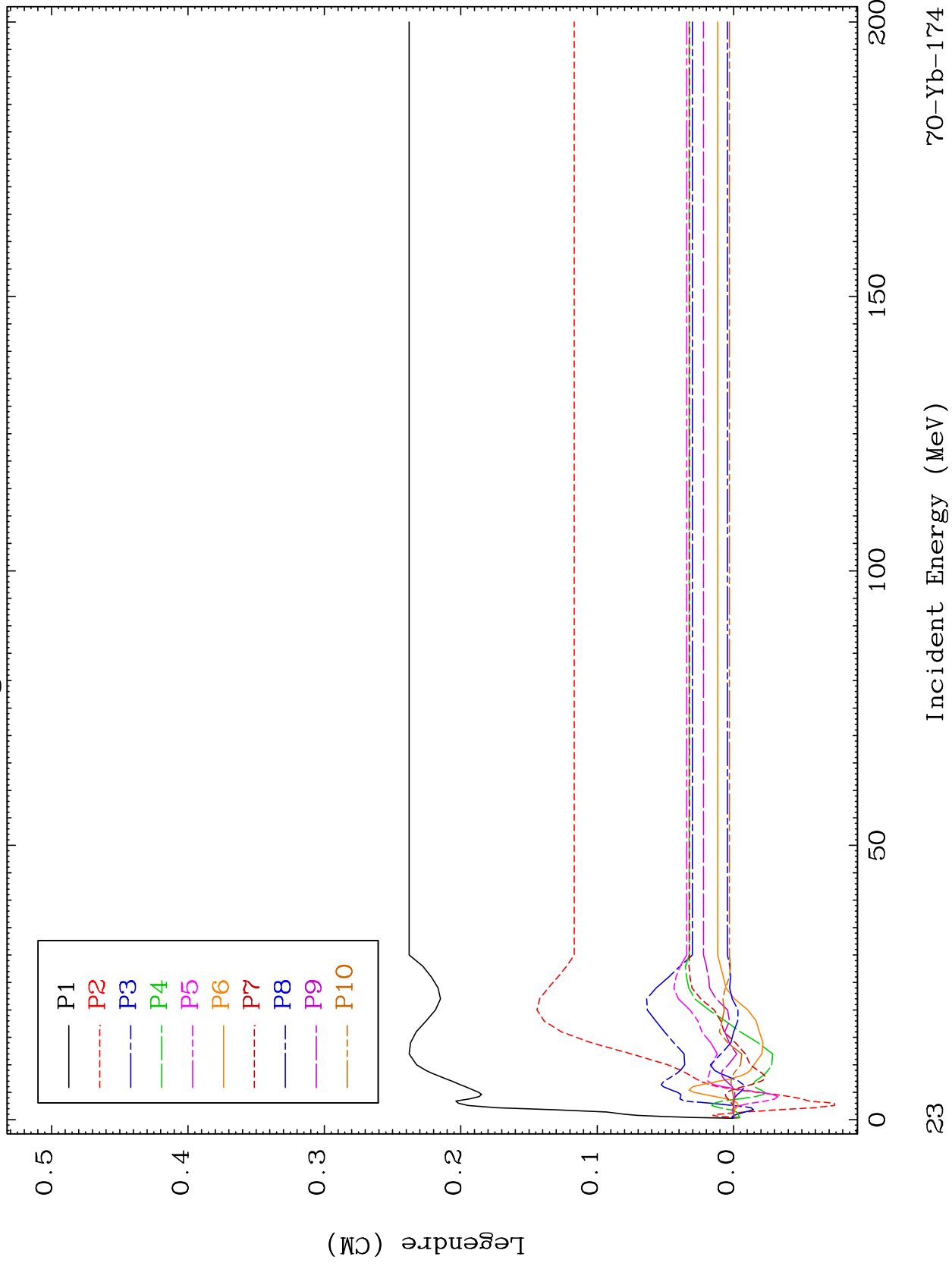
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174

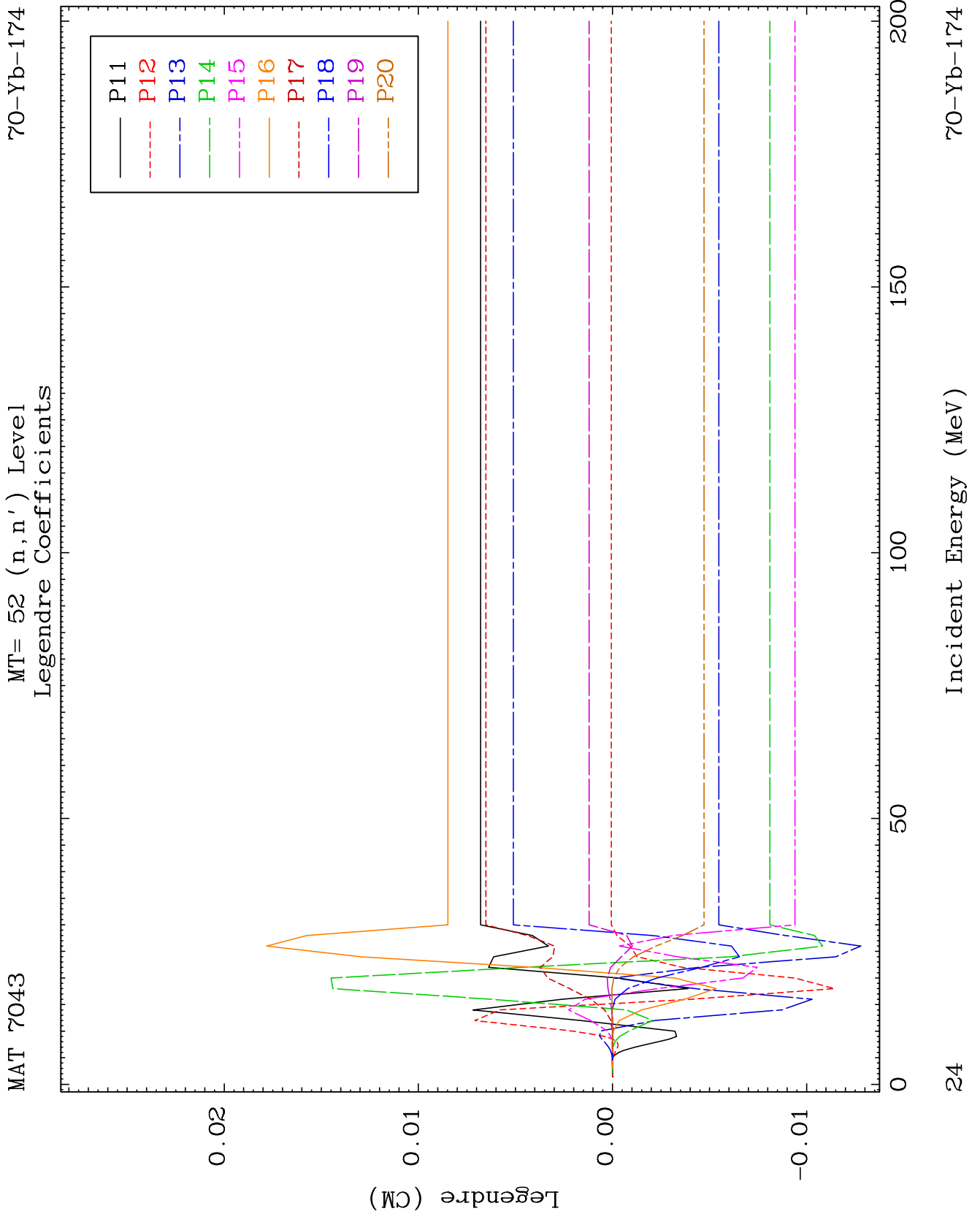


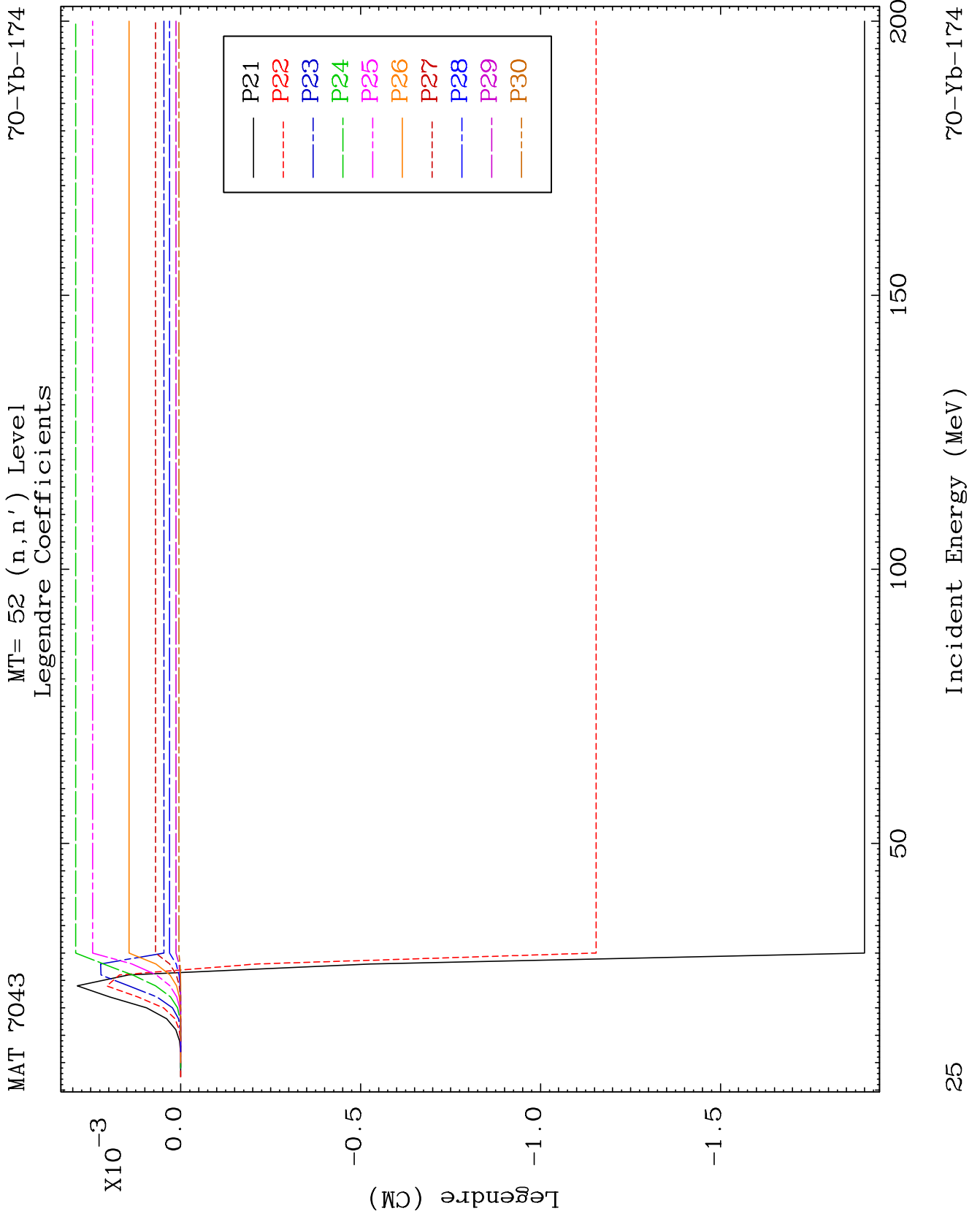
23

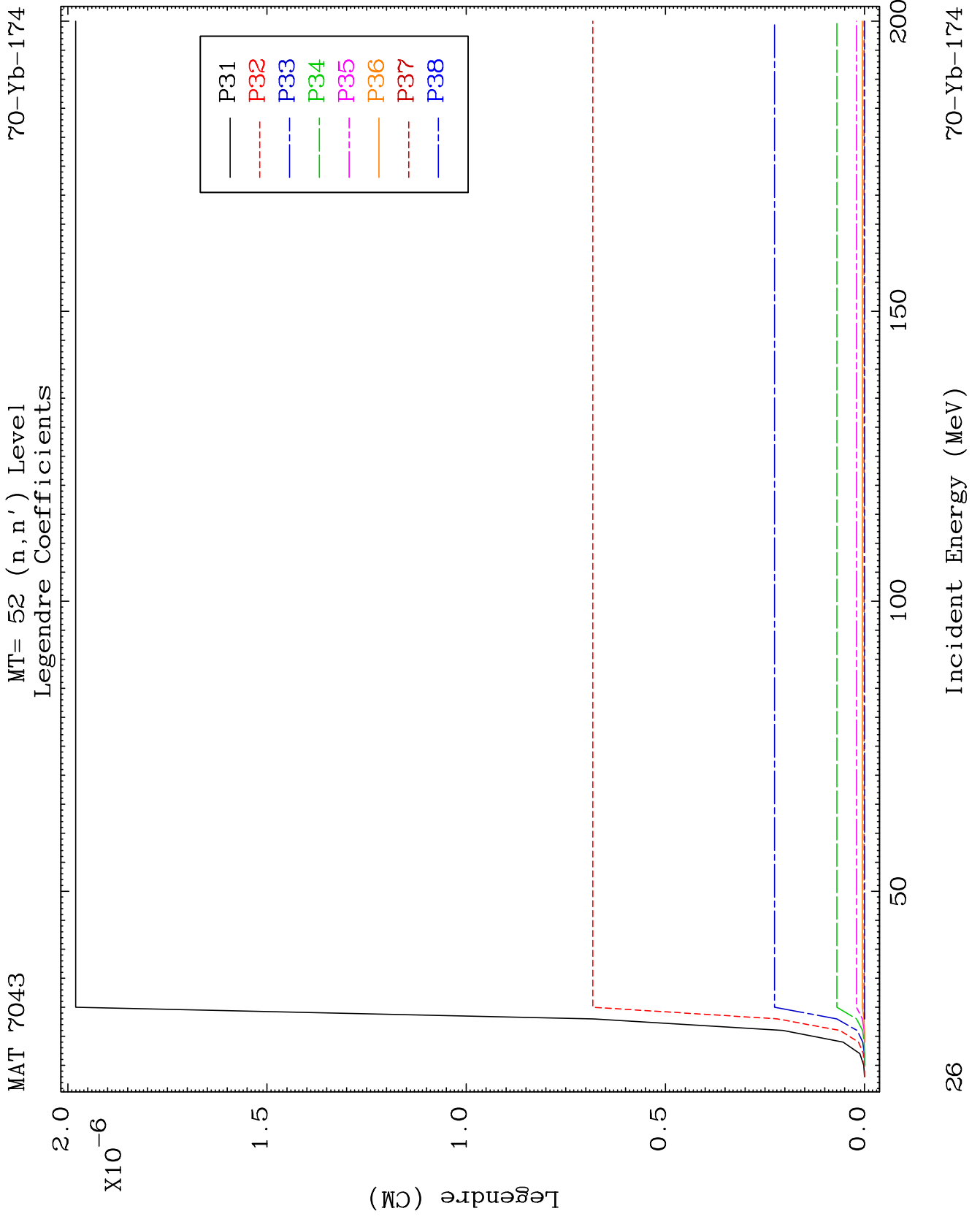
Incident Energy (MeV)

70-Yb-174





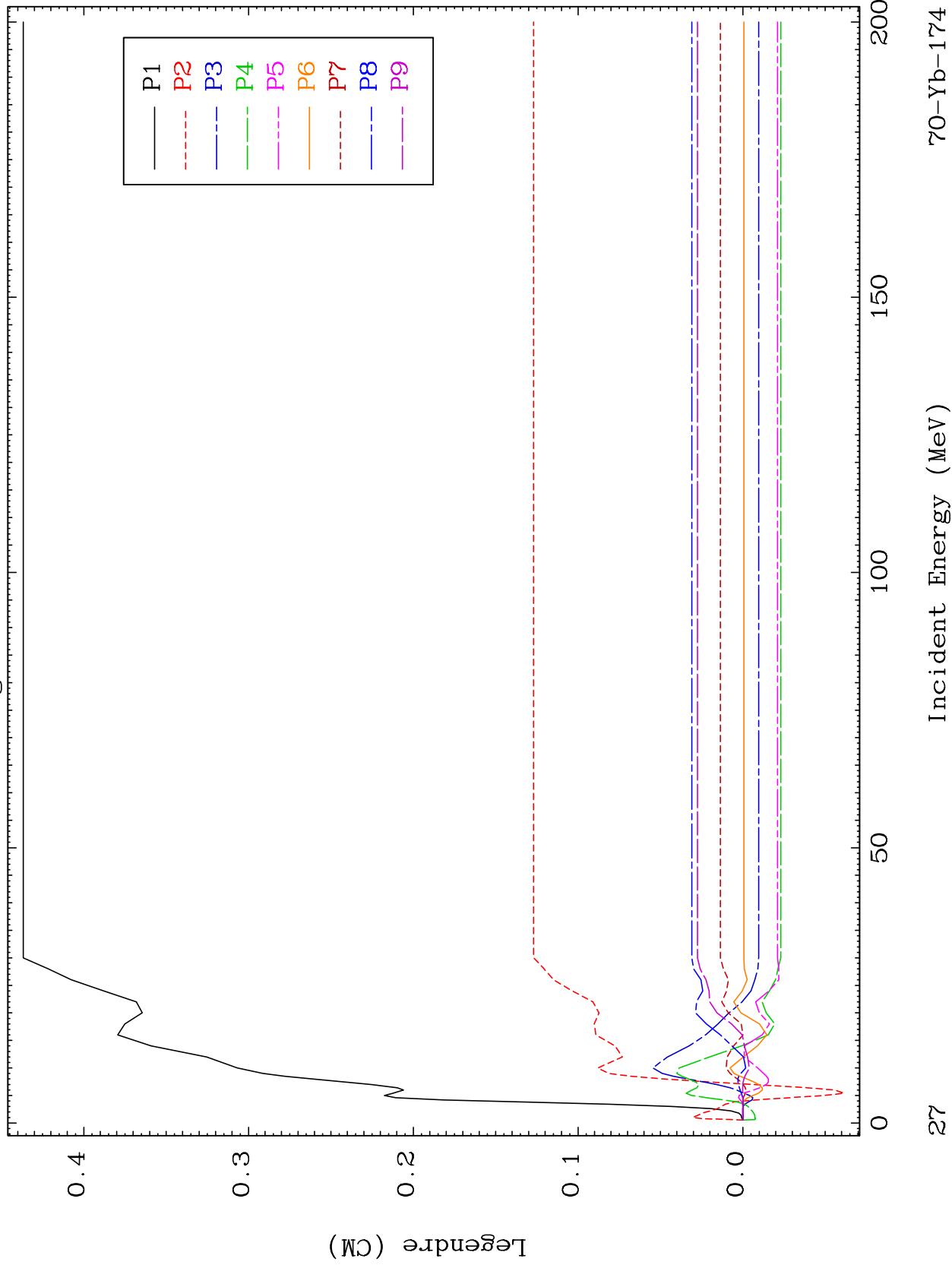




MAT 7043

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

70-Yb-174



27

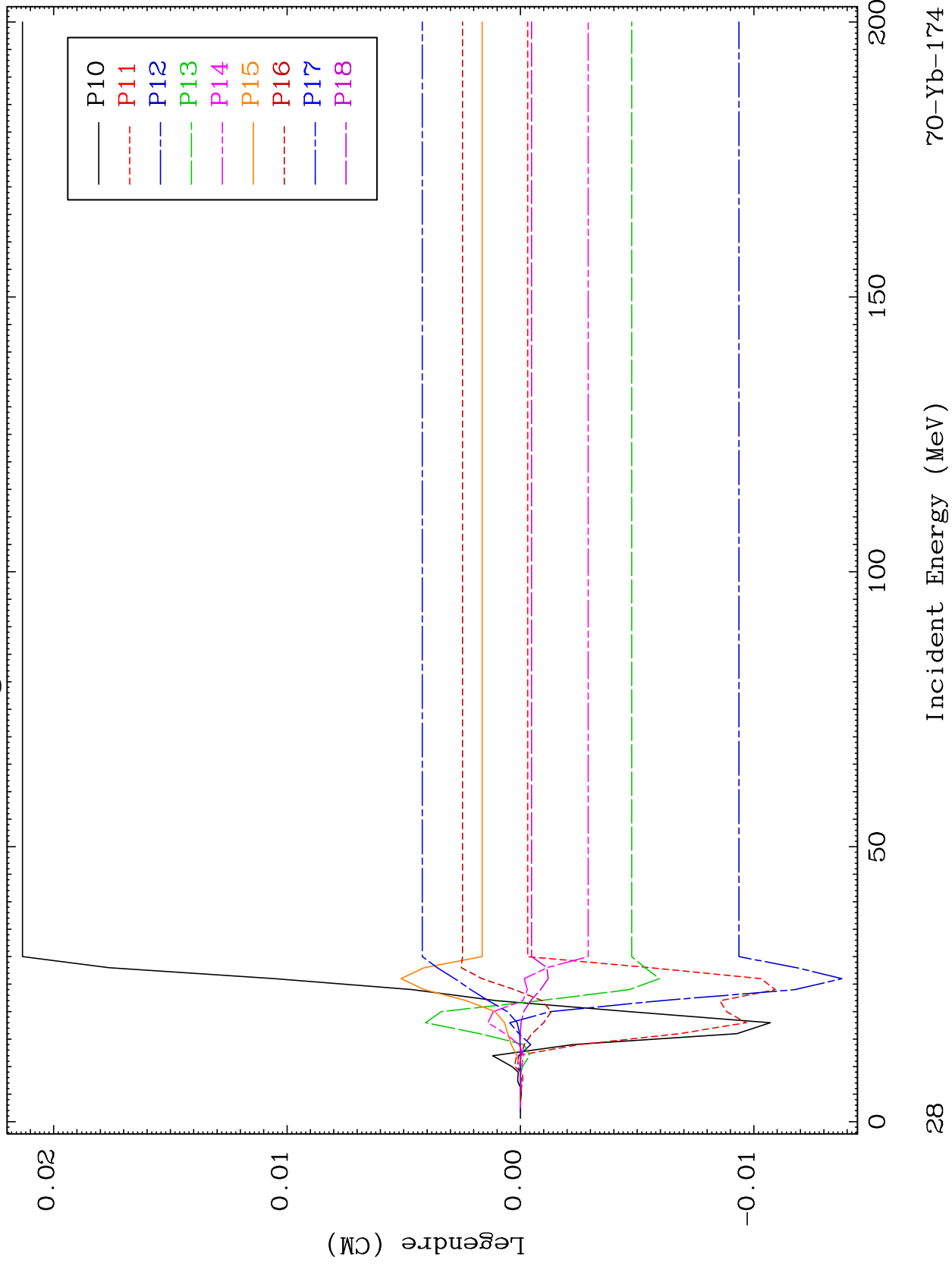
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



28

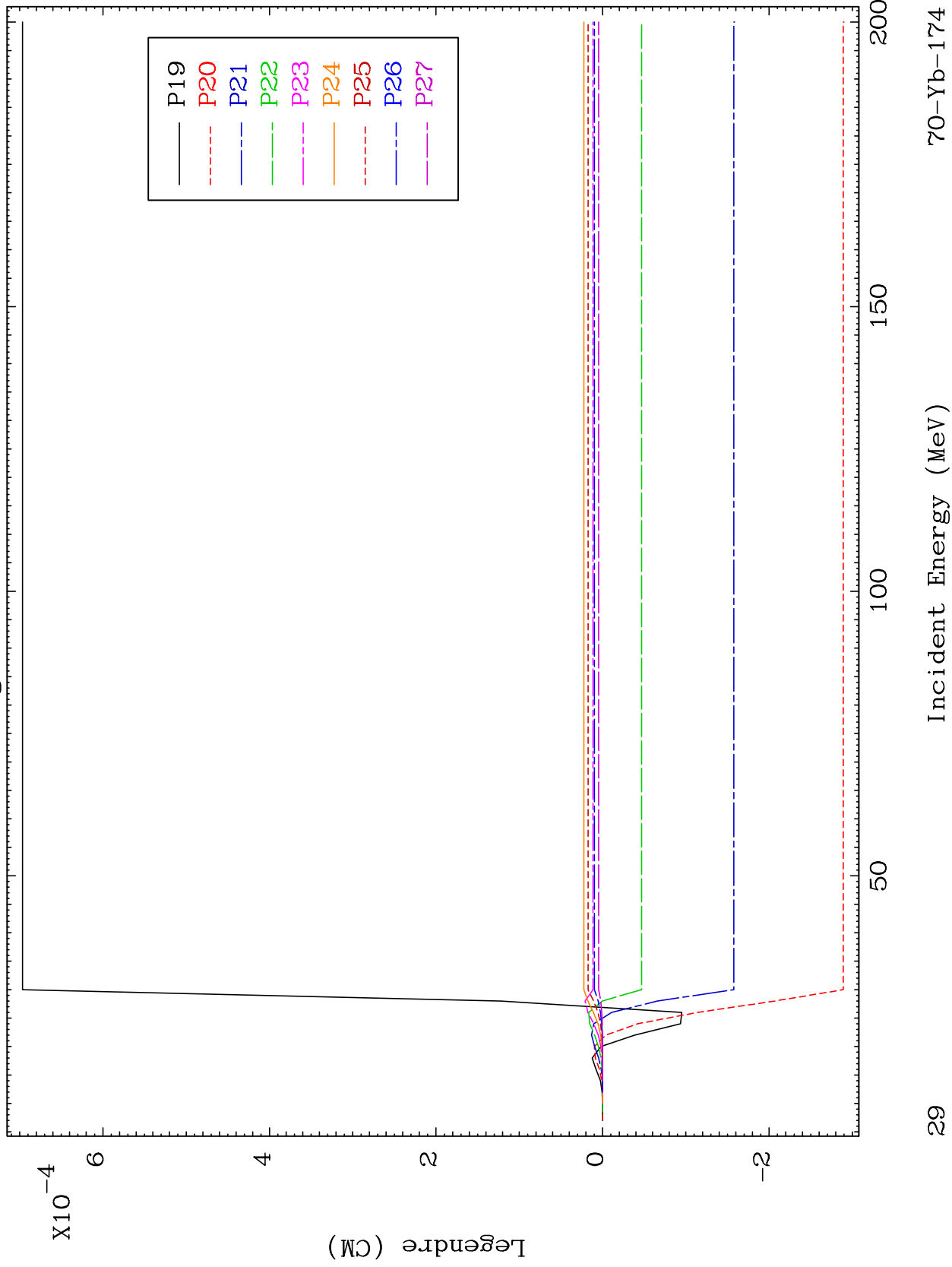
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



29

70-Yb-174



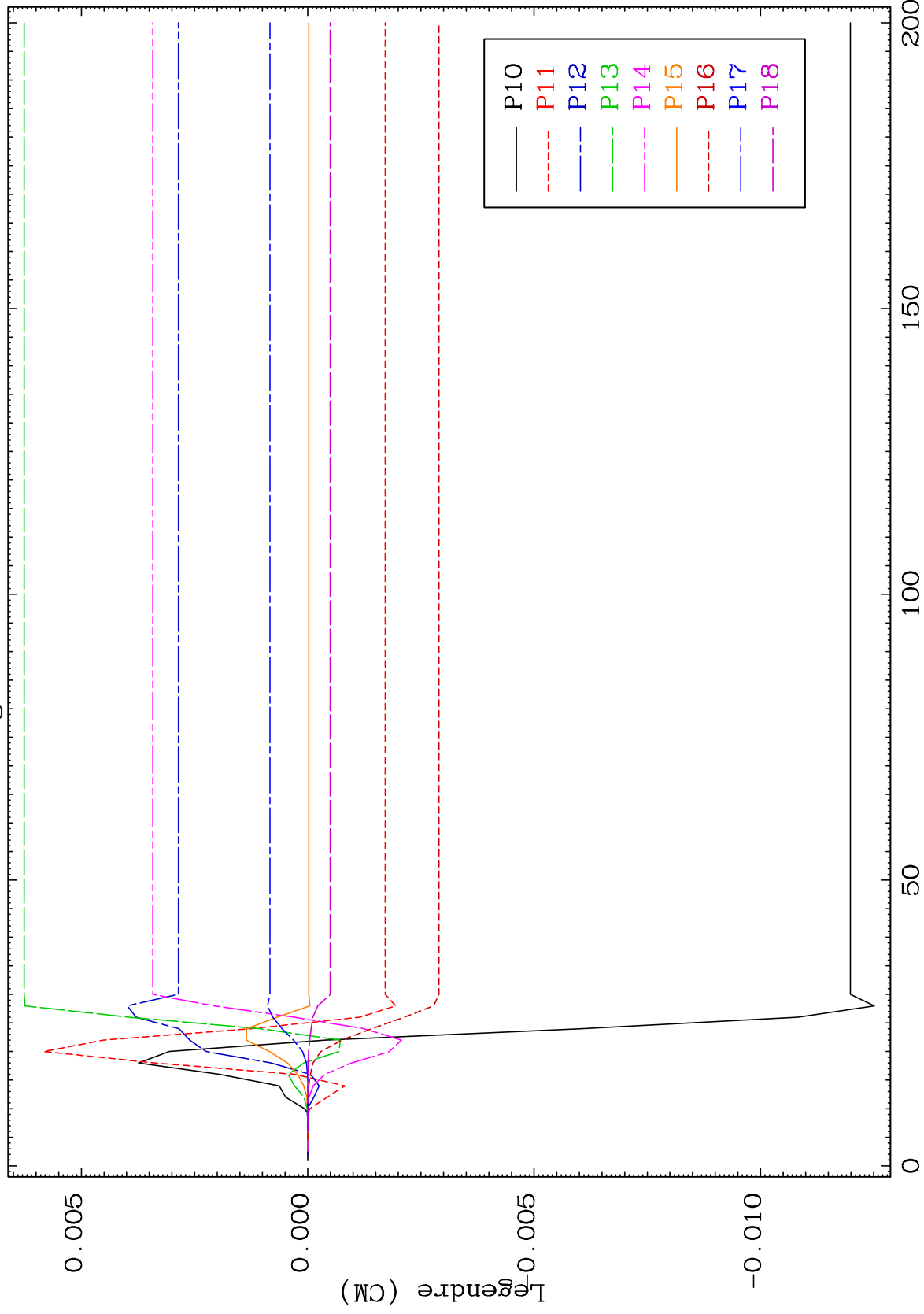




MAT 7043

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

70-Yb-174



32

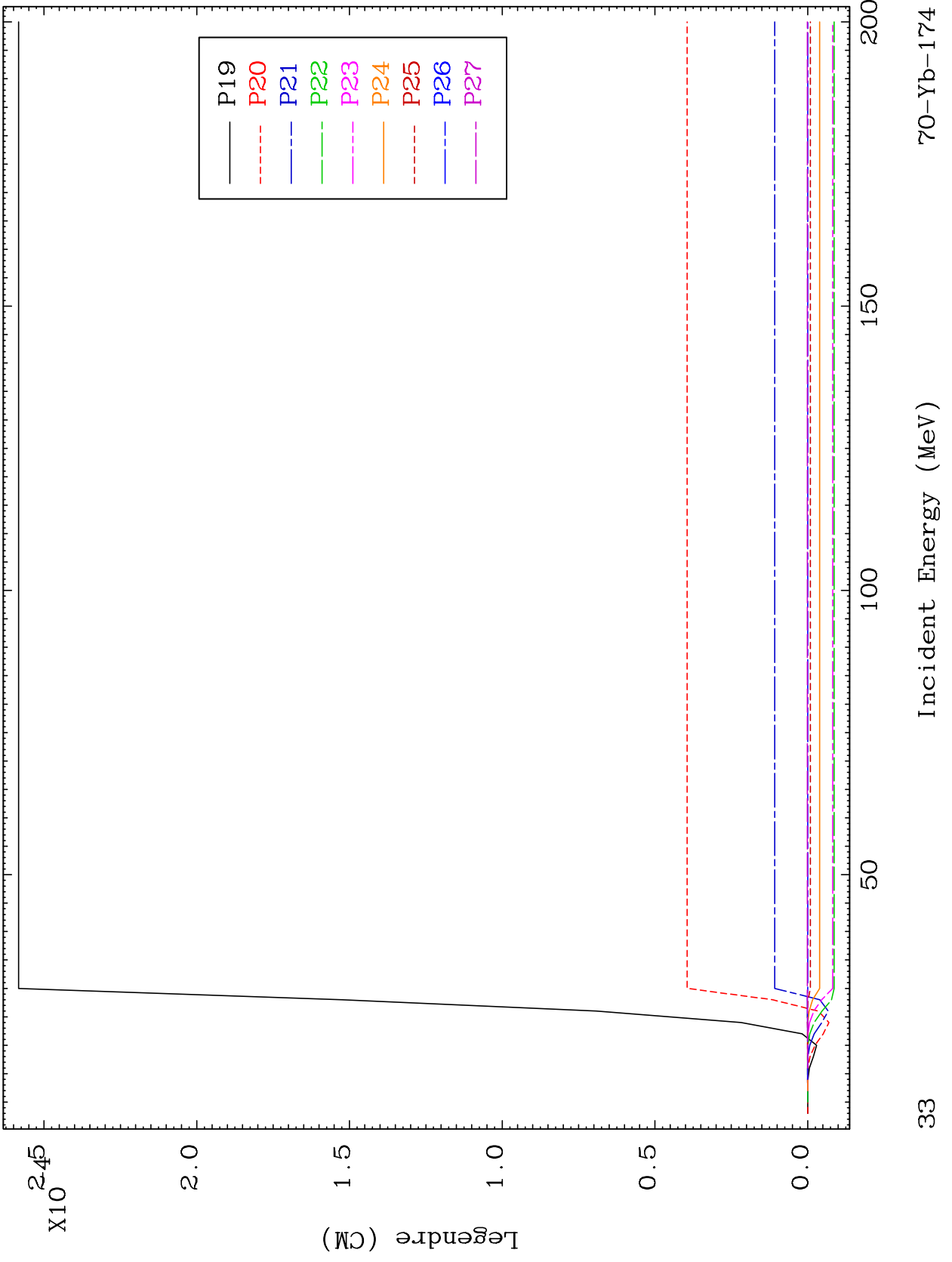
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

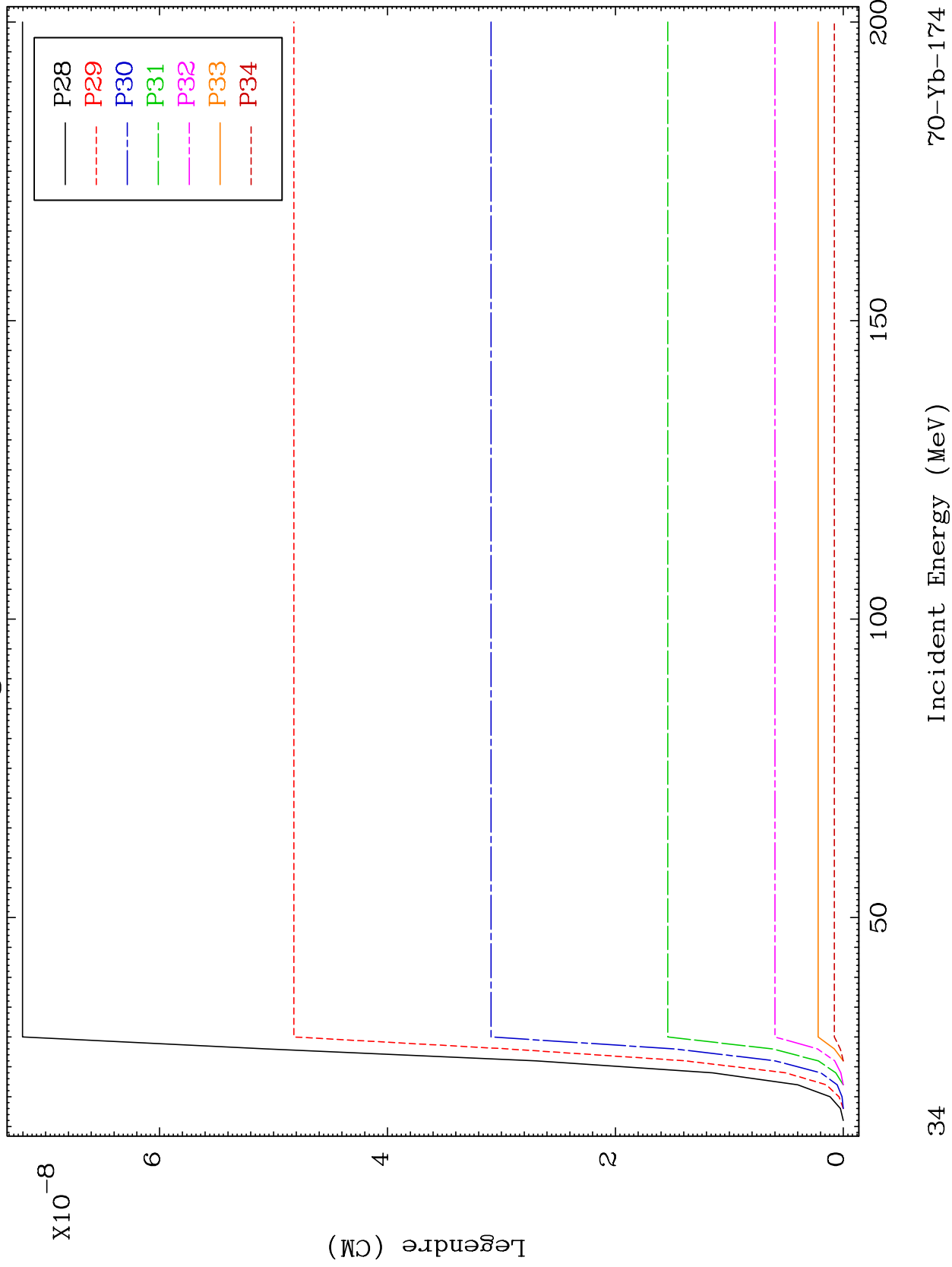
70-Yb-174

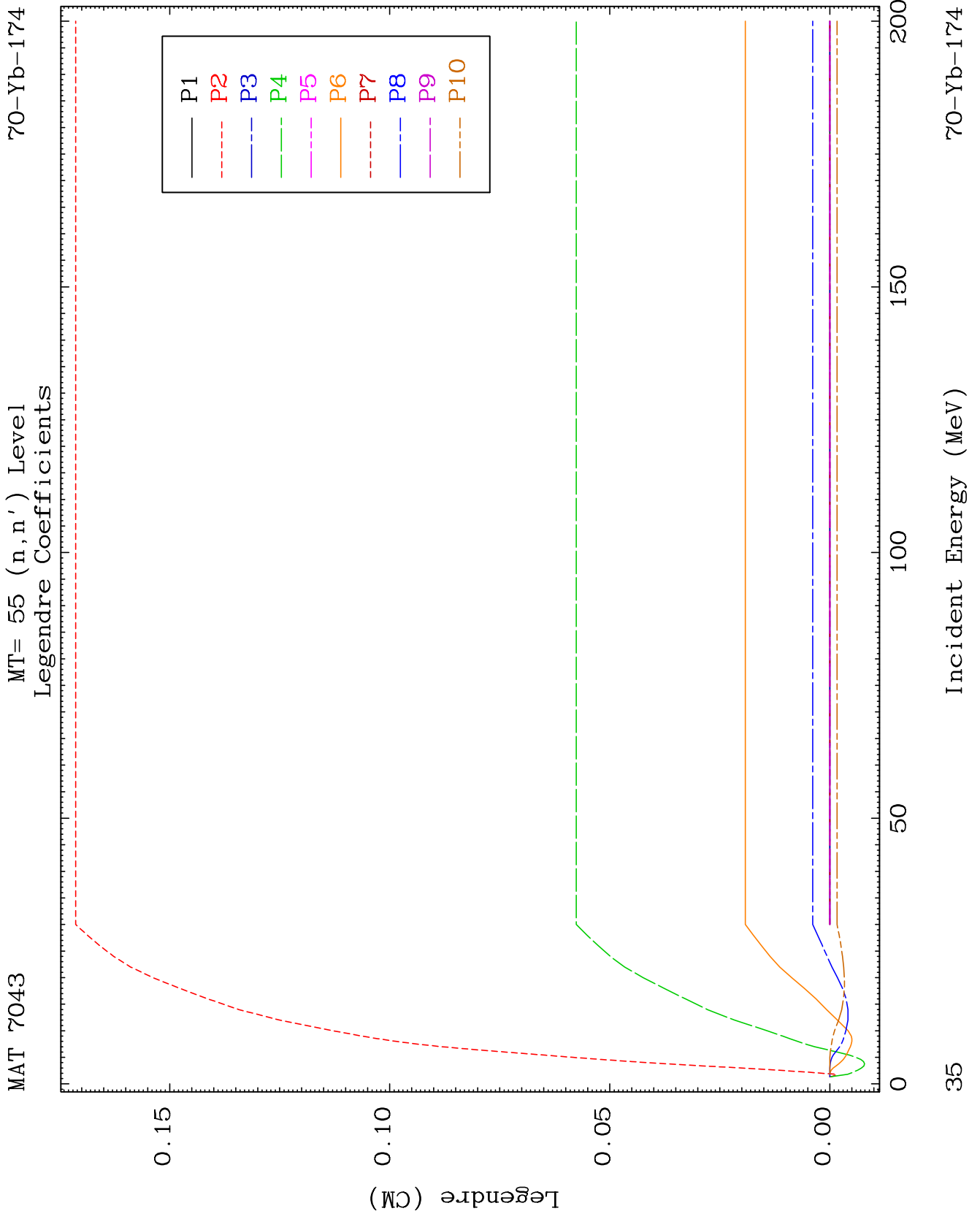


MAT 7043

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

70-Yb-174

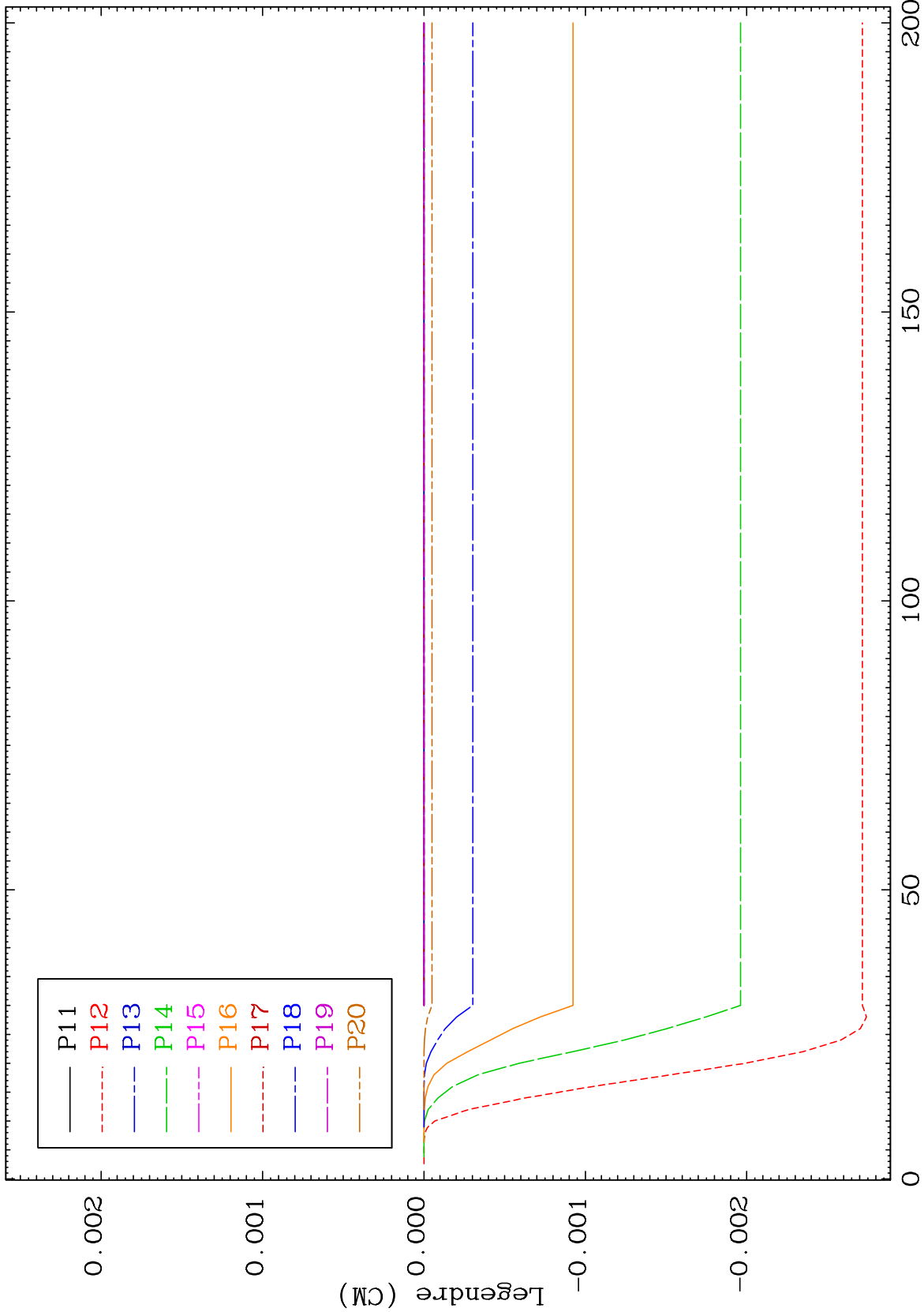




MAT 7043

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

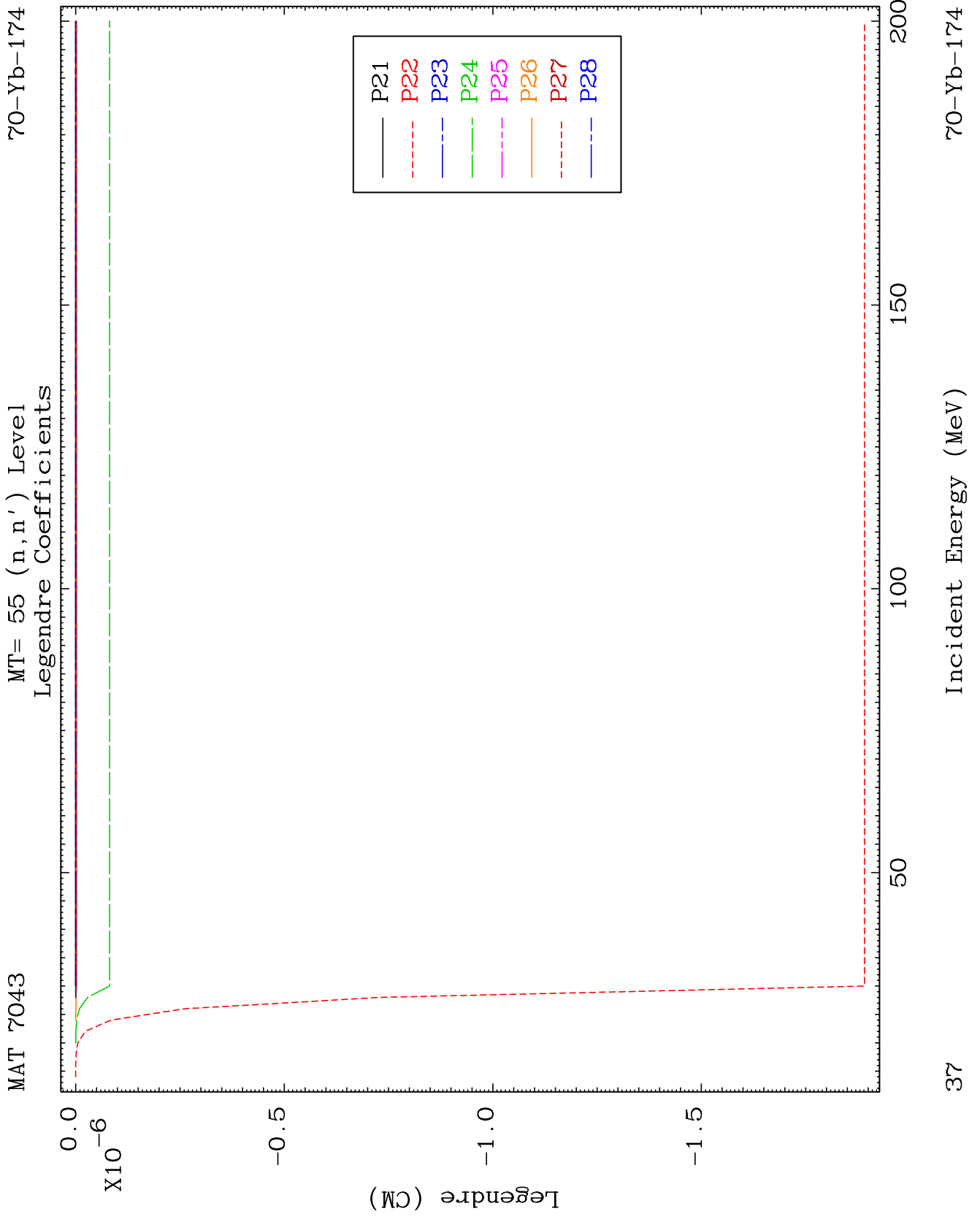
70-Yb-174



36

Incident Energy (MeV)

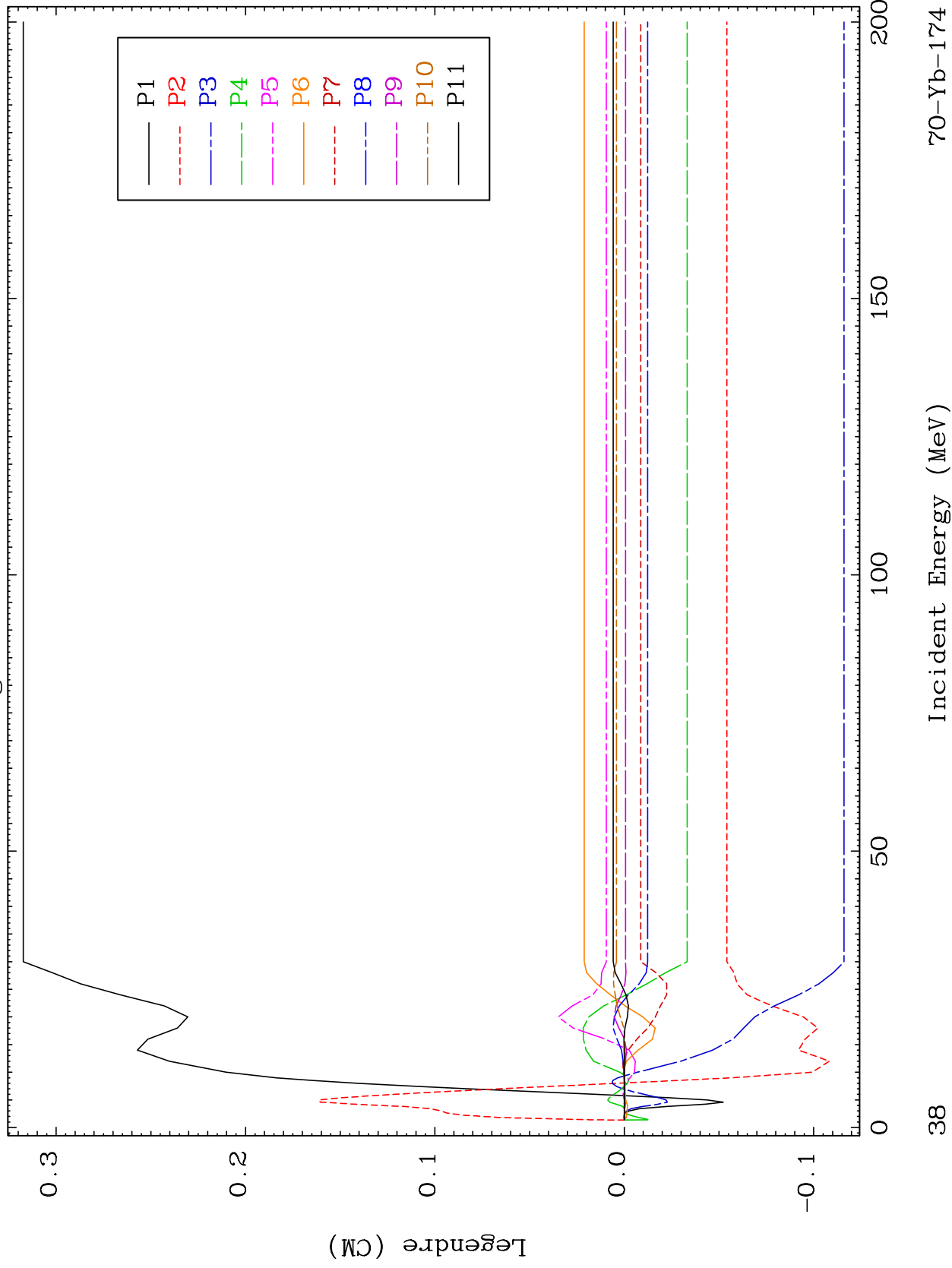
70-Yb-174



MAT 7043

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

70-Yb-174



70-Yb-174

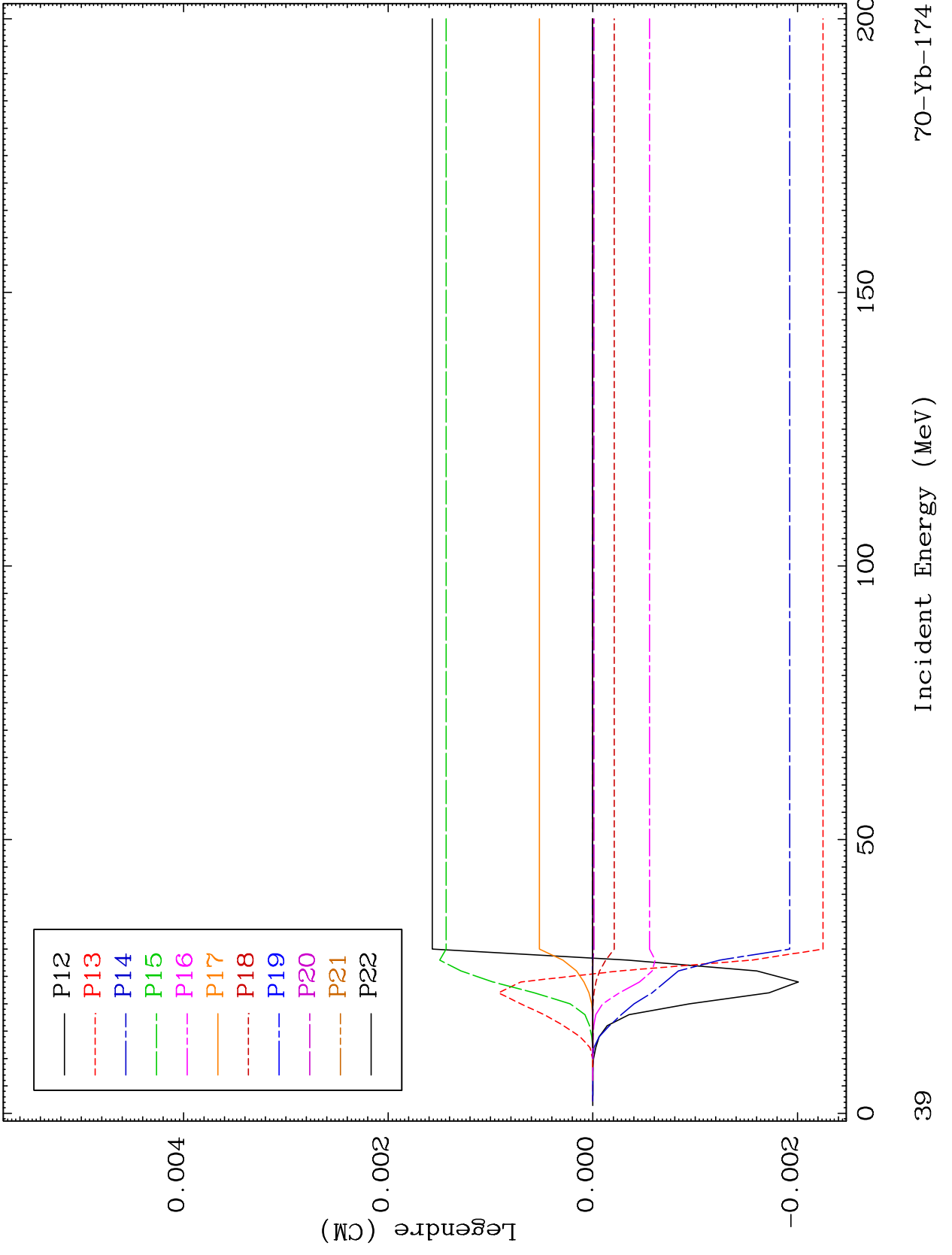
Incident Energy (MeV)

38

MAT 7043

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

70-Yb-174



39

Incident Energy (MeV)

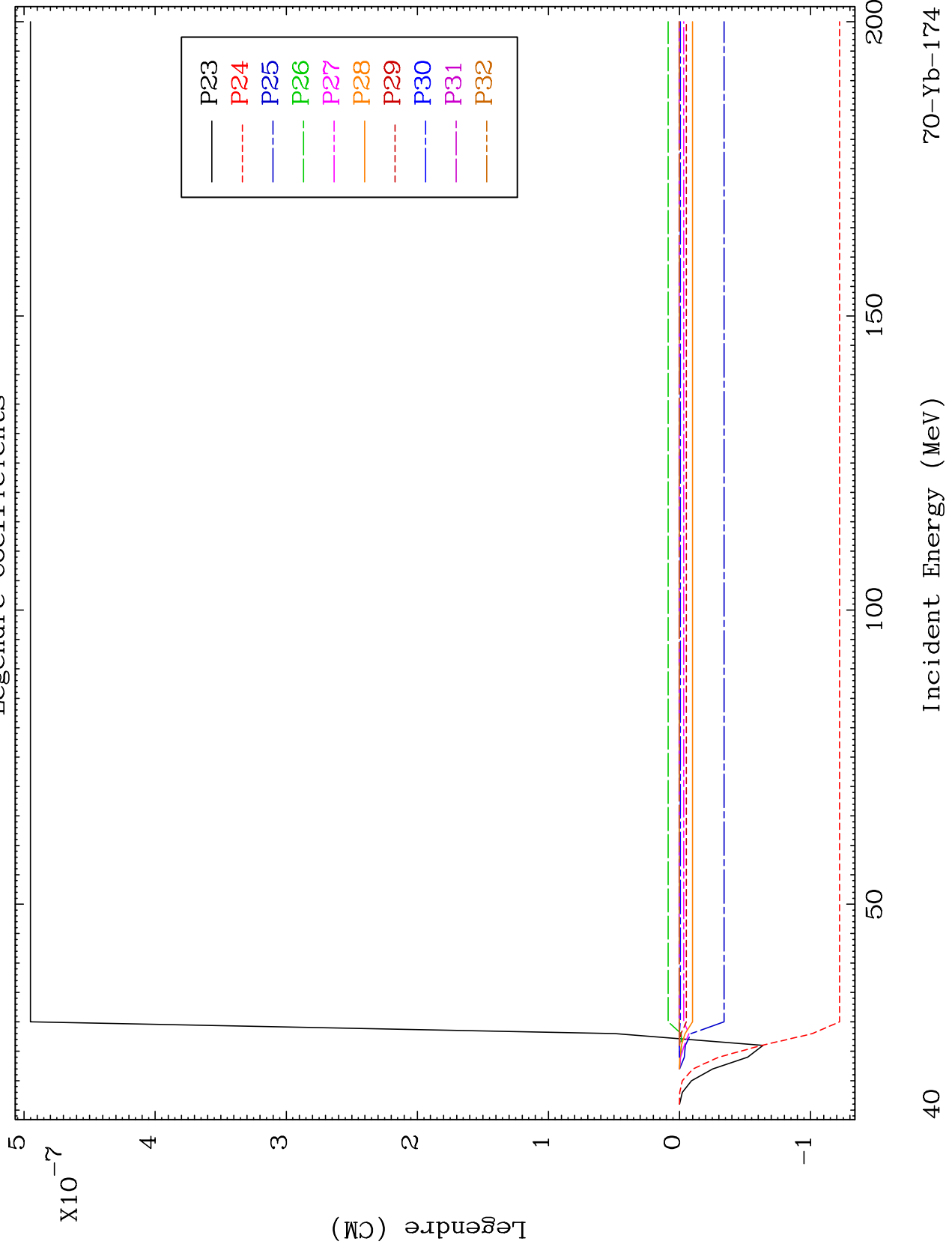
70-Yb-174



MAT 7043

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

70-Yb-174

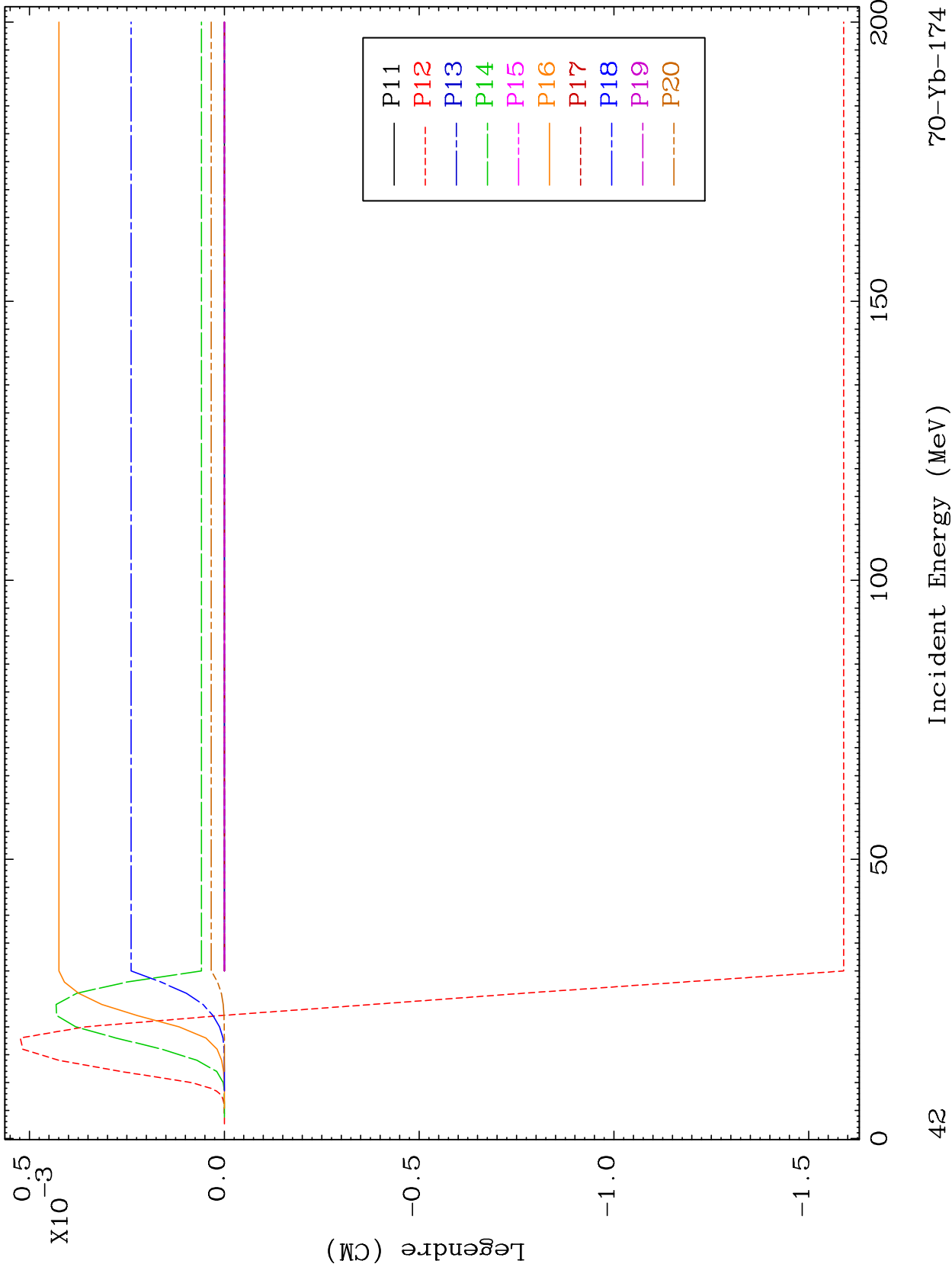




MAT 7043

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

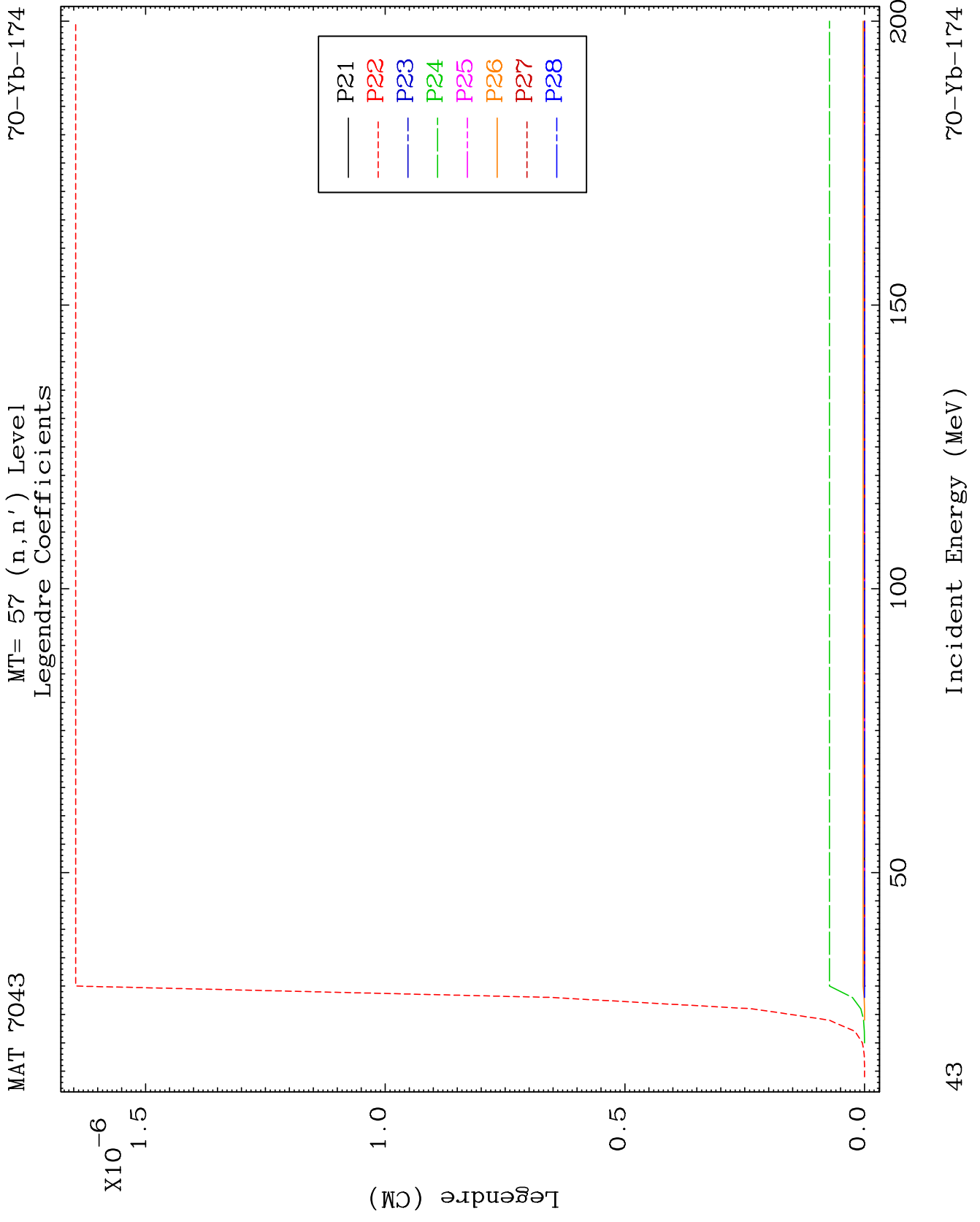
70-Yb-174



42

Incident Energy (MeV)

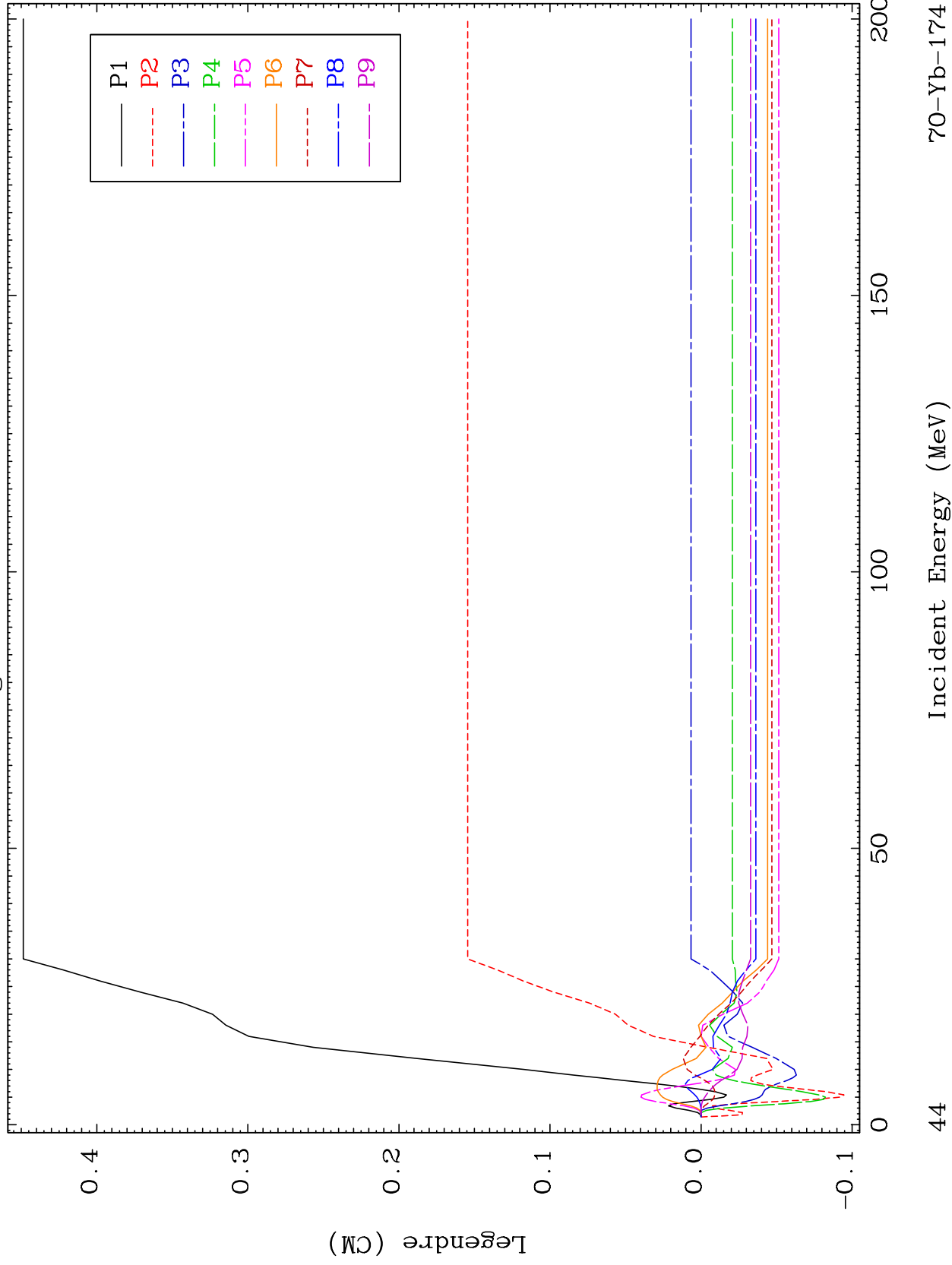
70-Yb-174



MAT 7043

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

70-Yb-174



70-Yb-174

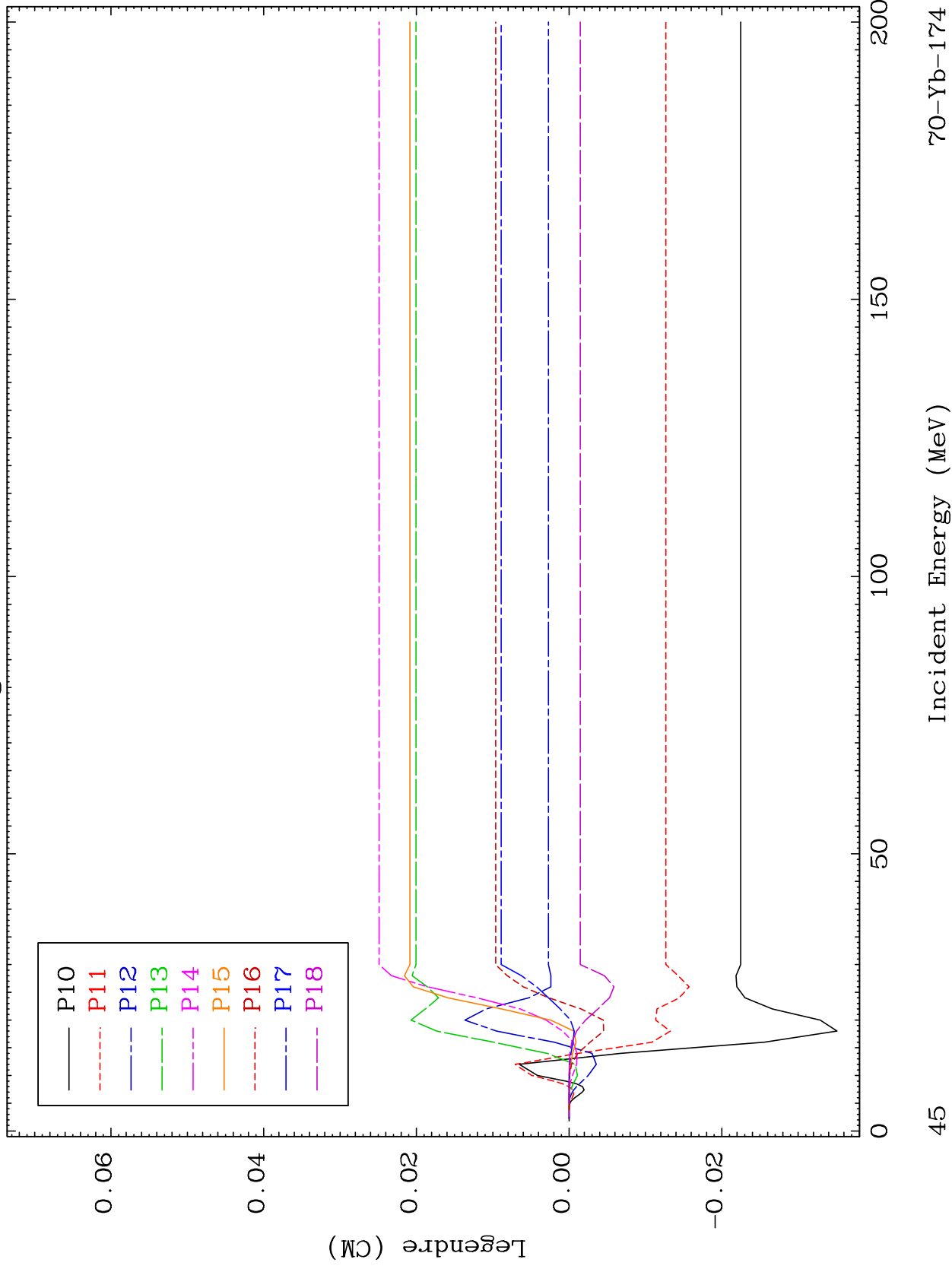
Incident Energy (MeV)

44

MAT 7043

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

70-Yb-174



70-Yb-174

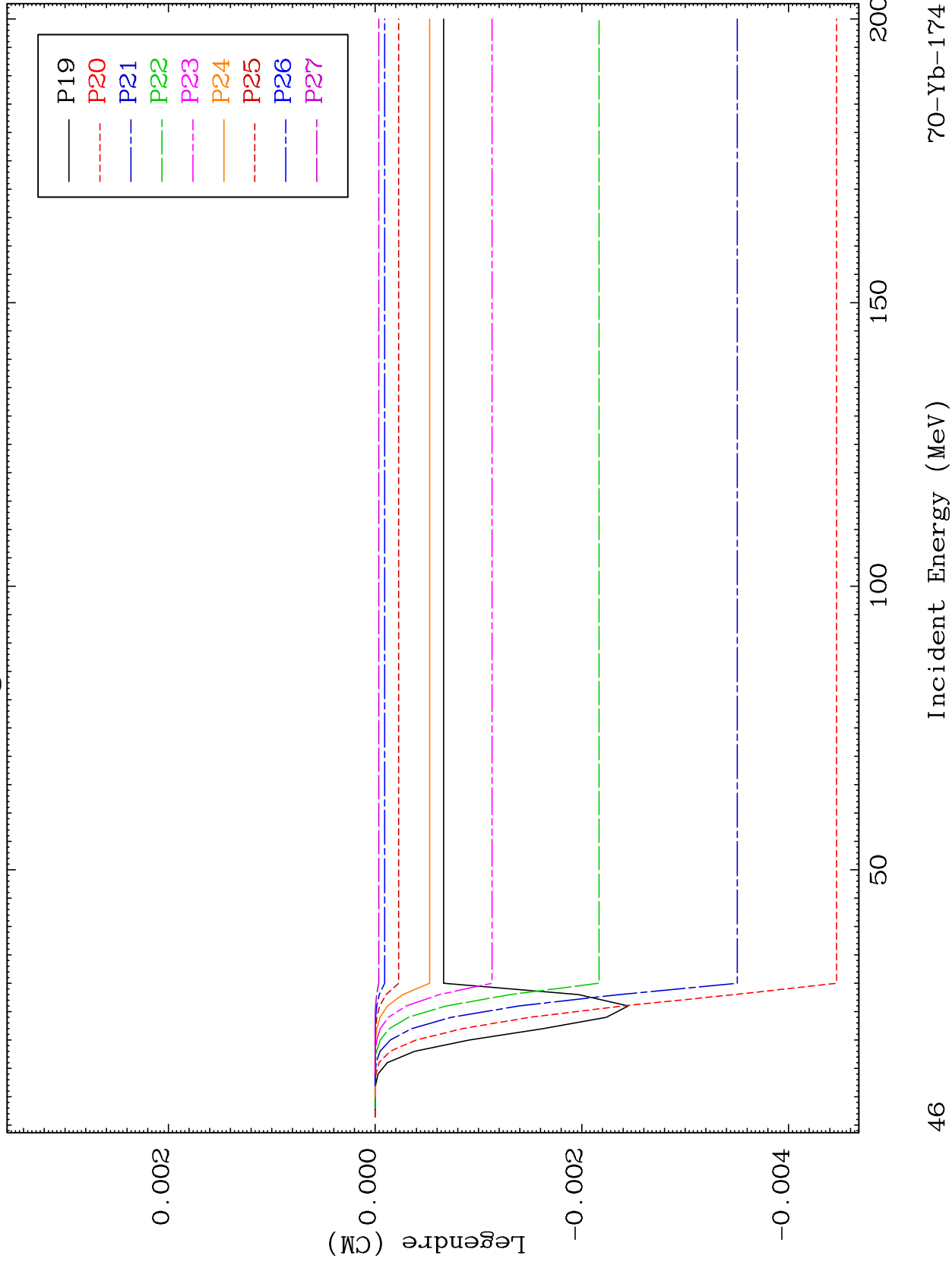
Incident Energy (MeV)

45

MAT 7043

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

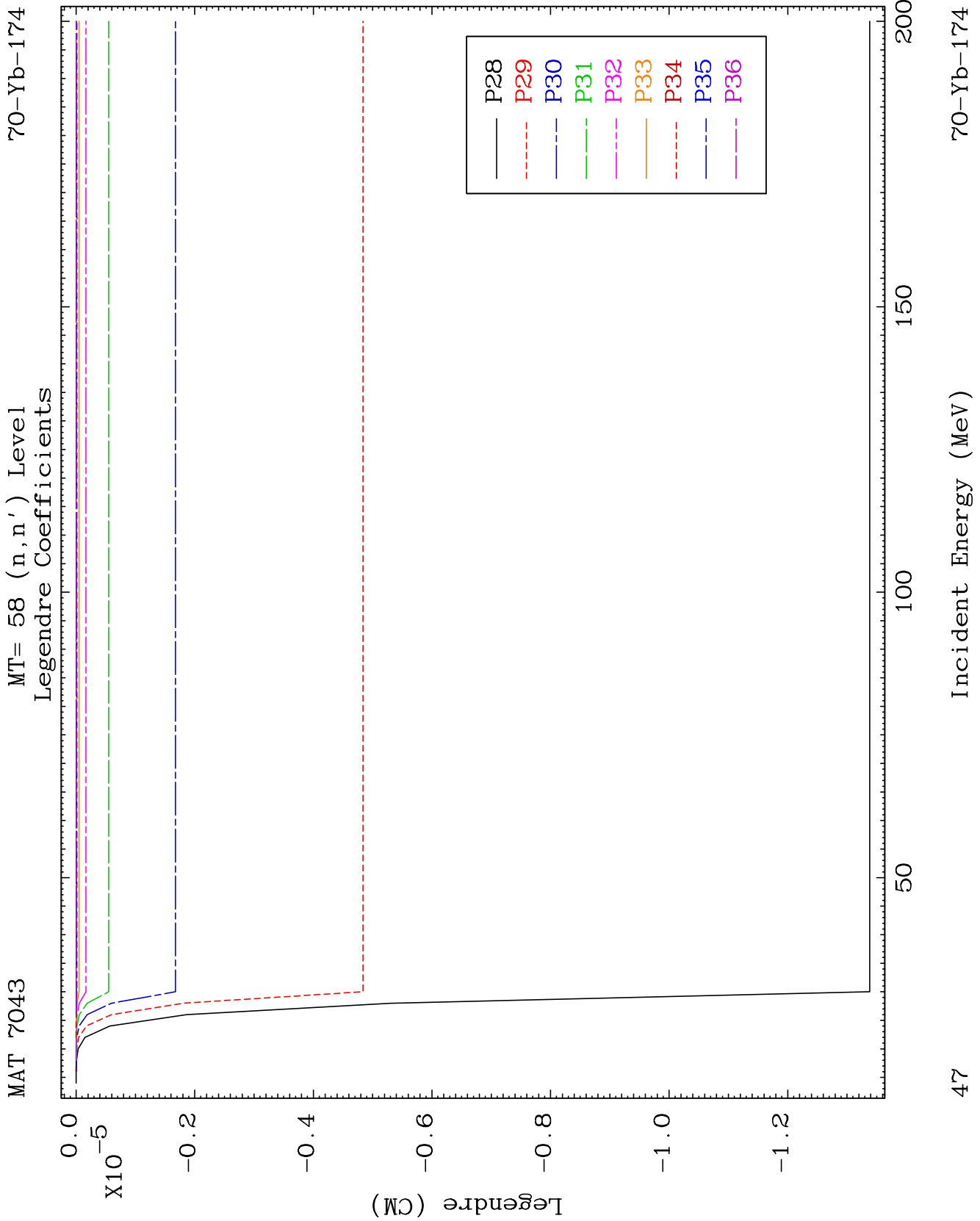
70-Yb-174



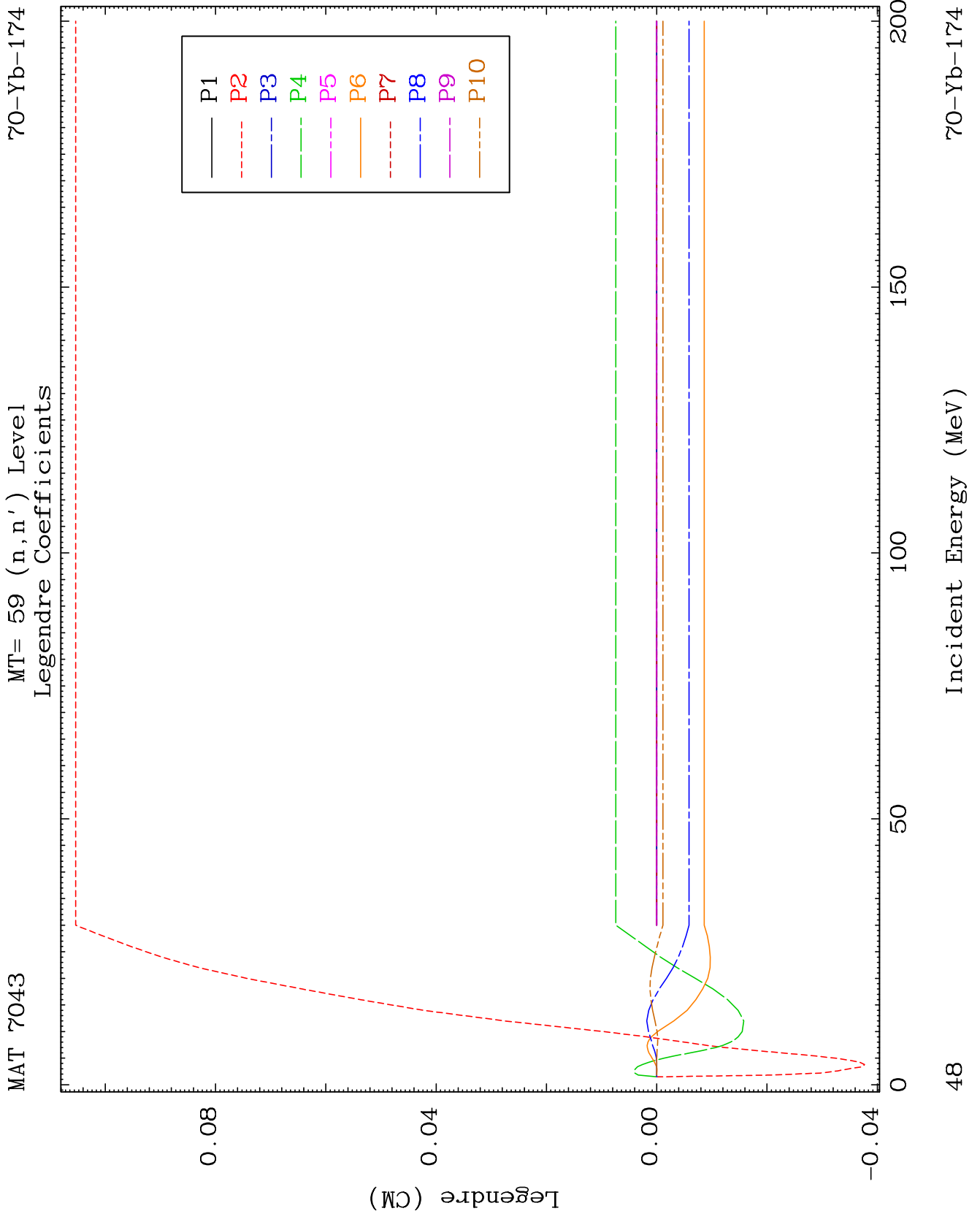
46

Incident Energy (MeV)

70-Yb-174



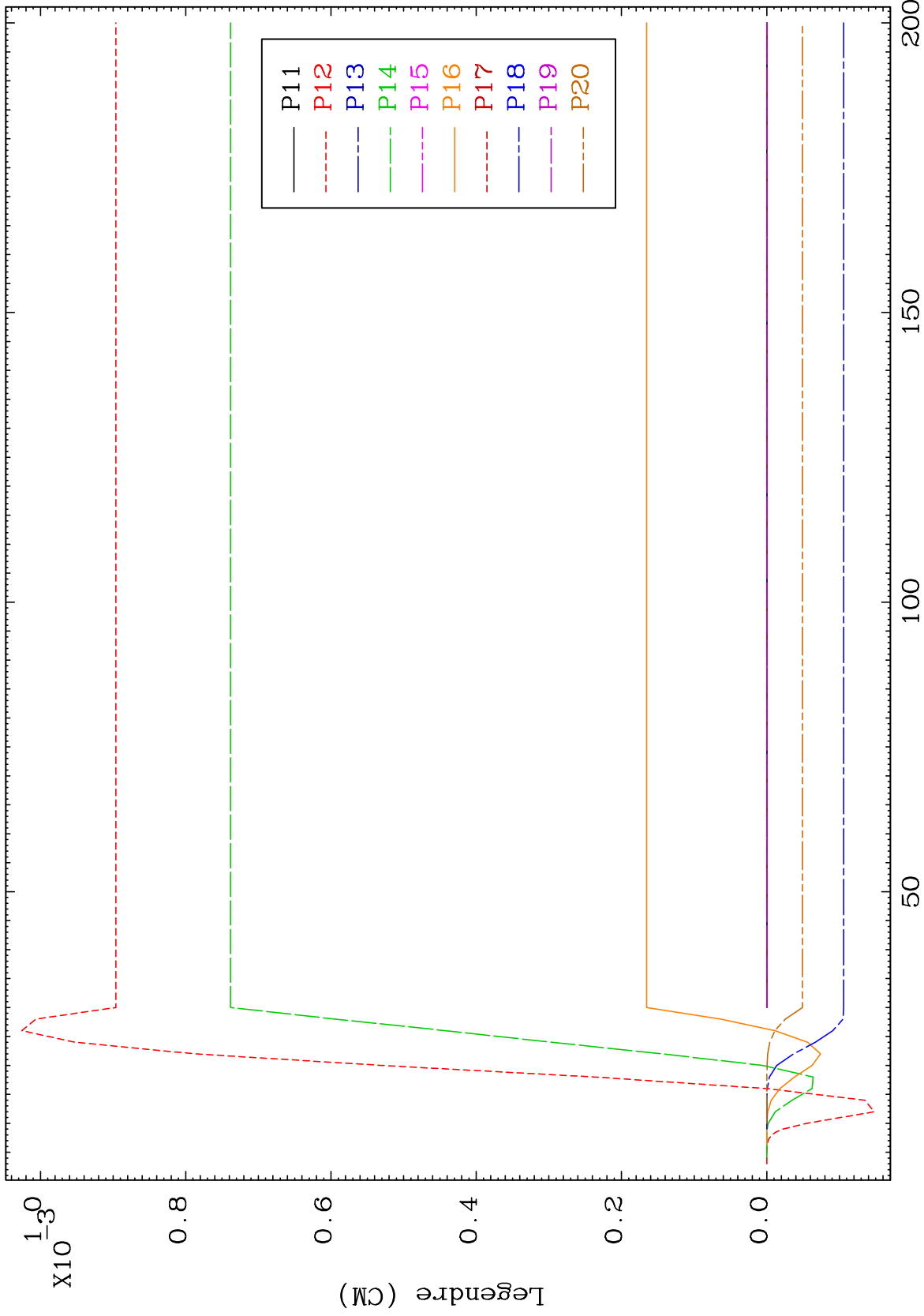




MAT 7043

MT= 59 (n,n') Level  
Legendre Coefficients

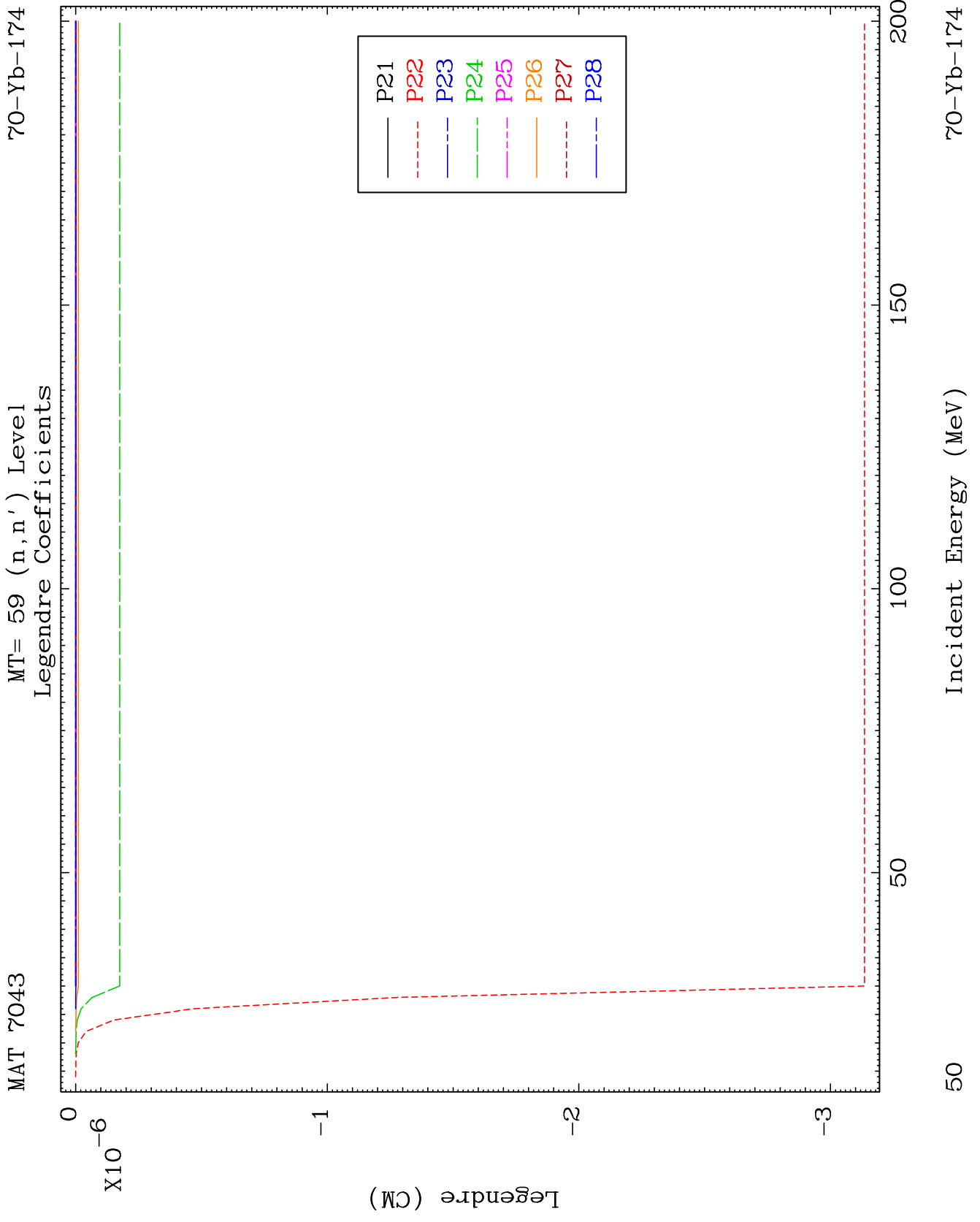
70-Yb-174

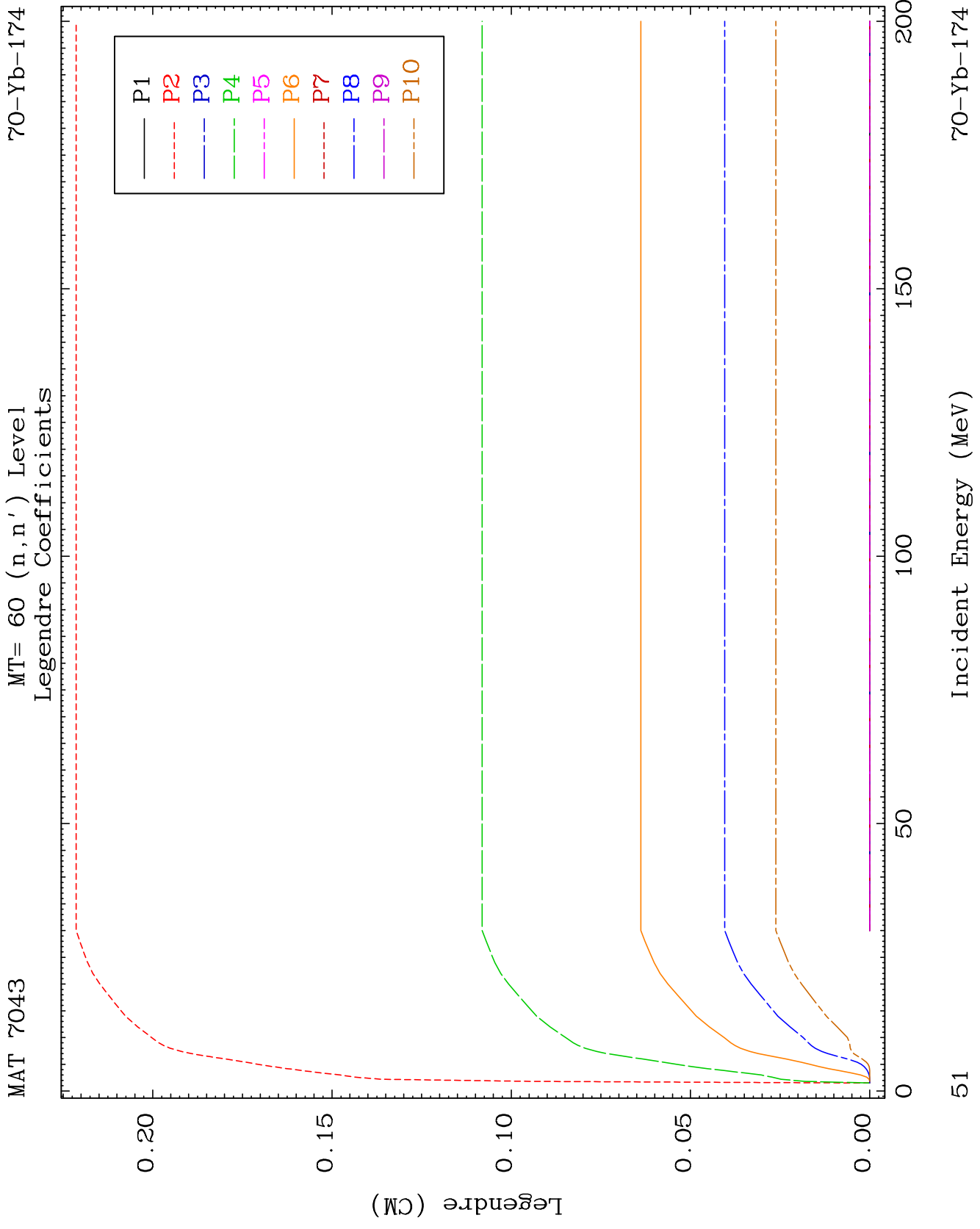


49

Incident Energy (MeV)

70-Yb-174

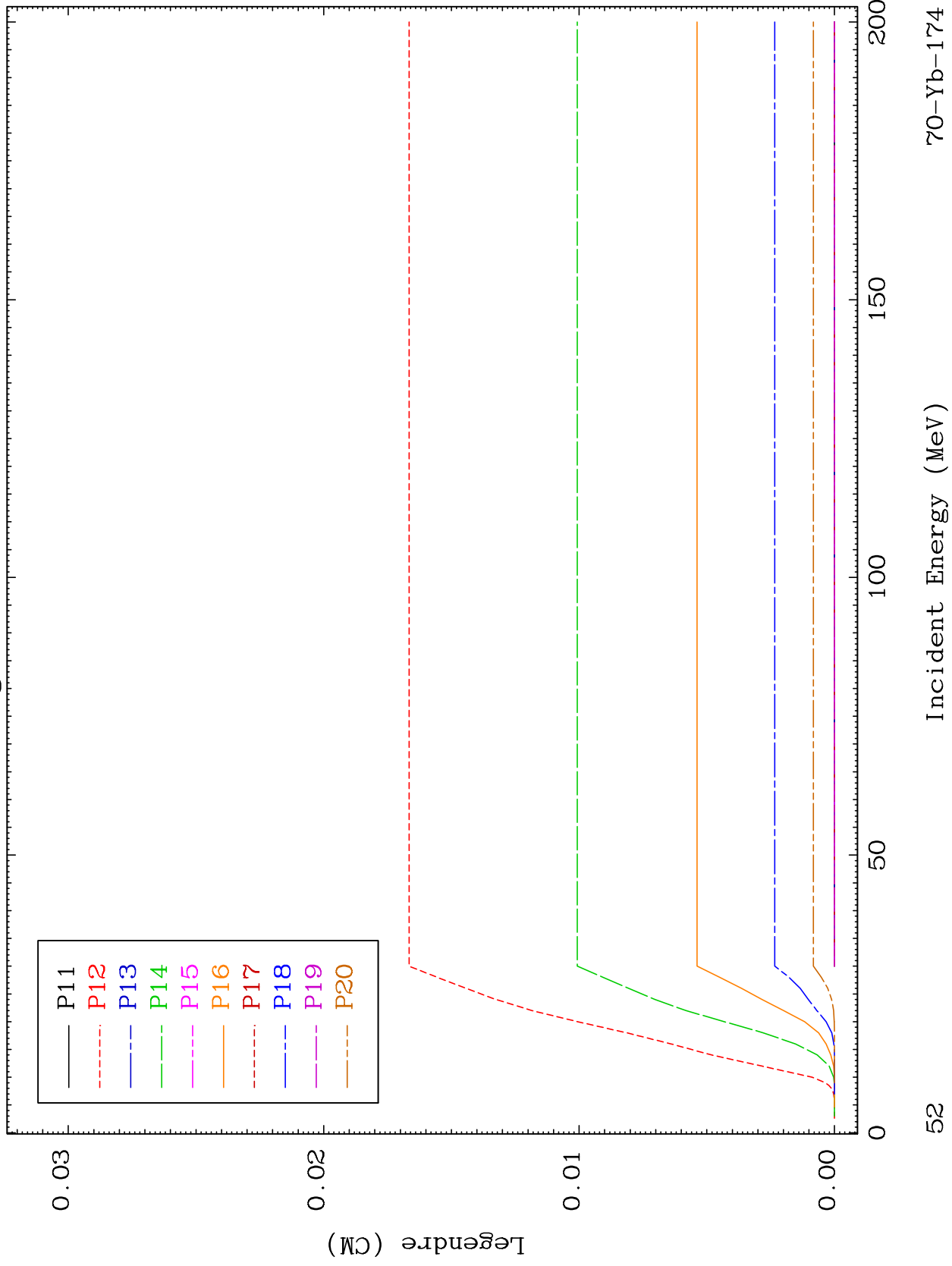




MAT 7043

MT= 60 (n,n') Level  
Legendre Coefficients

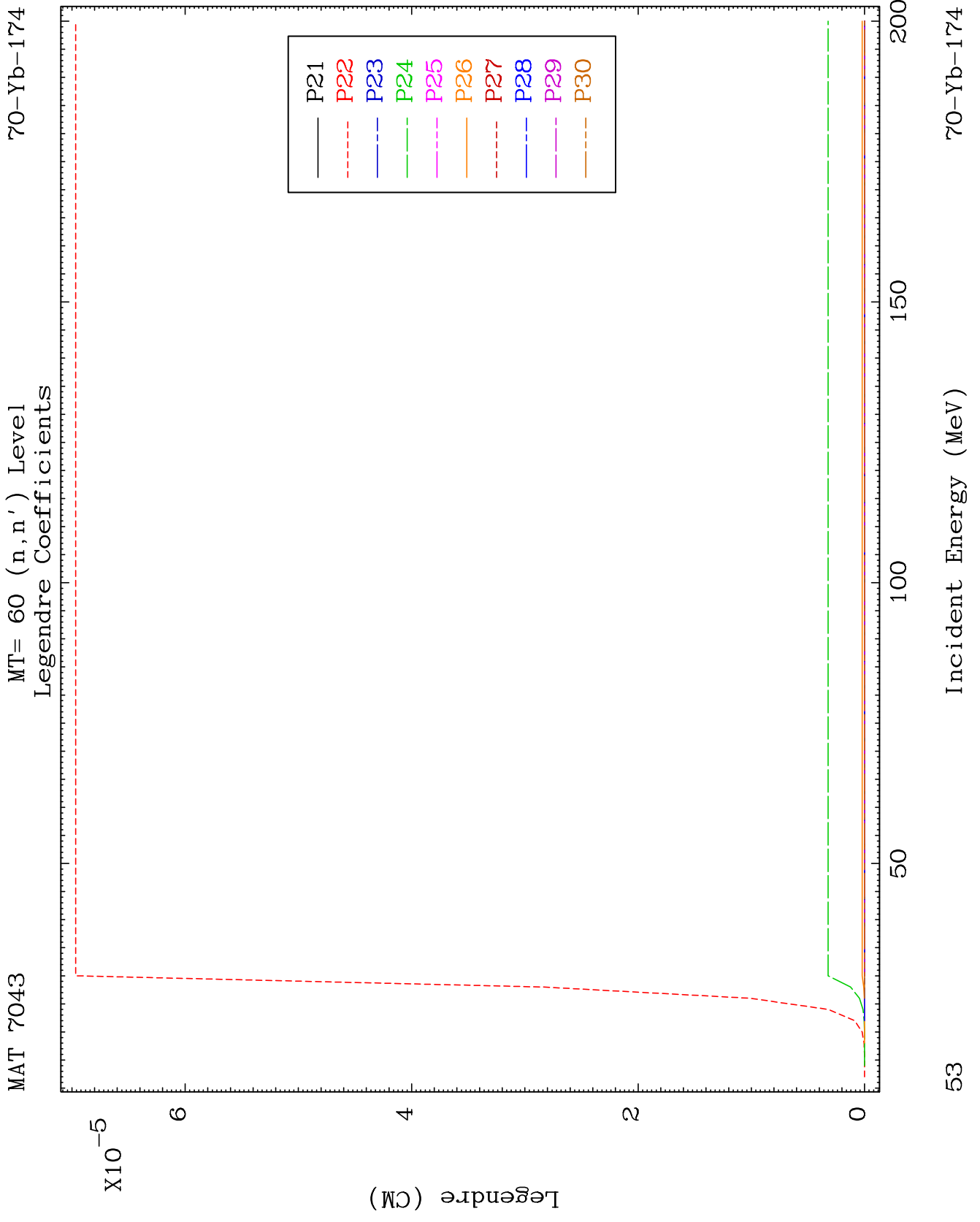
70-Yb-174



52

Incident Energy (MeV)

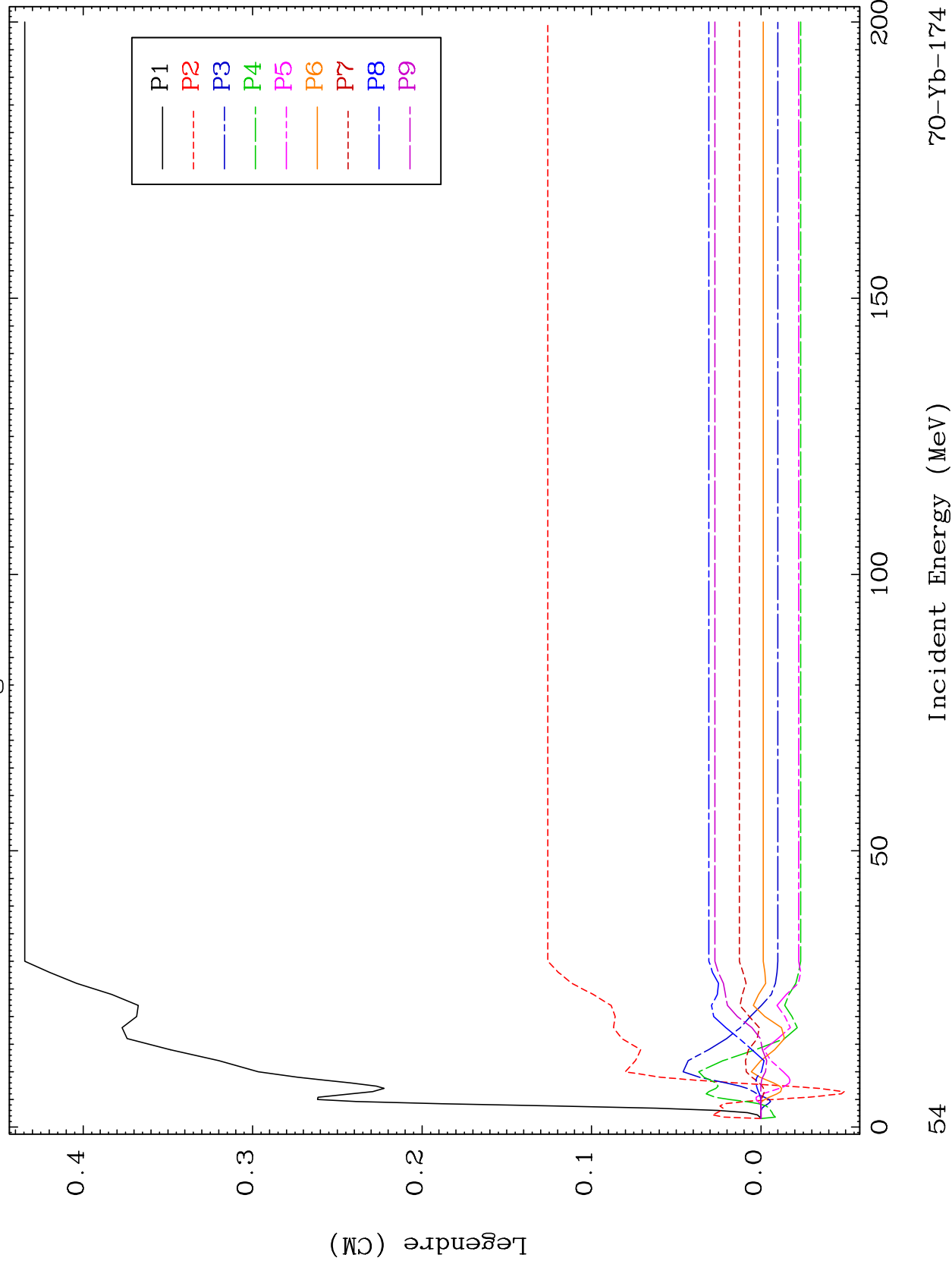
70-Yb-174



MAT 7043

MT= 61 (n,n') Level  
Legendre Coefficients

70-Yb-174



70-Yb-174

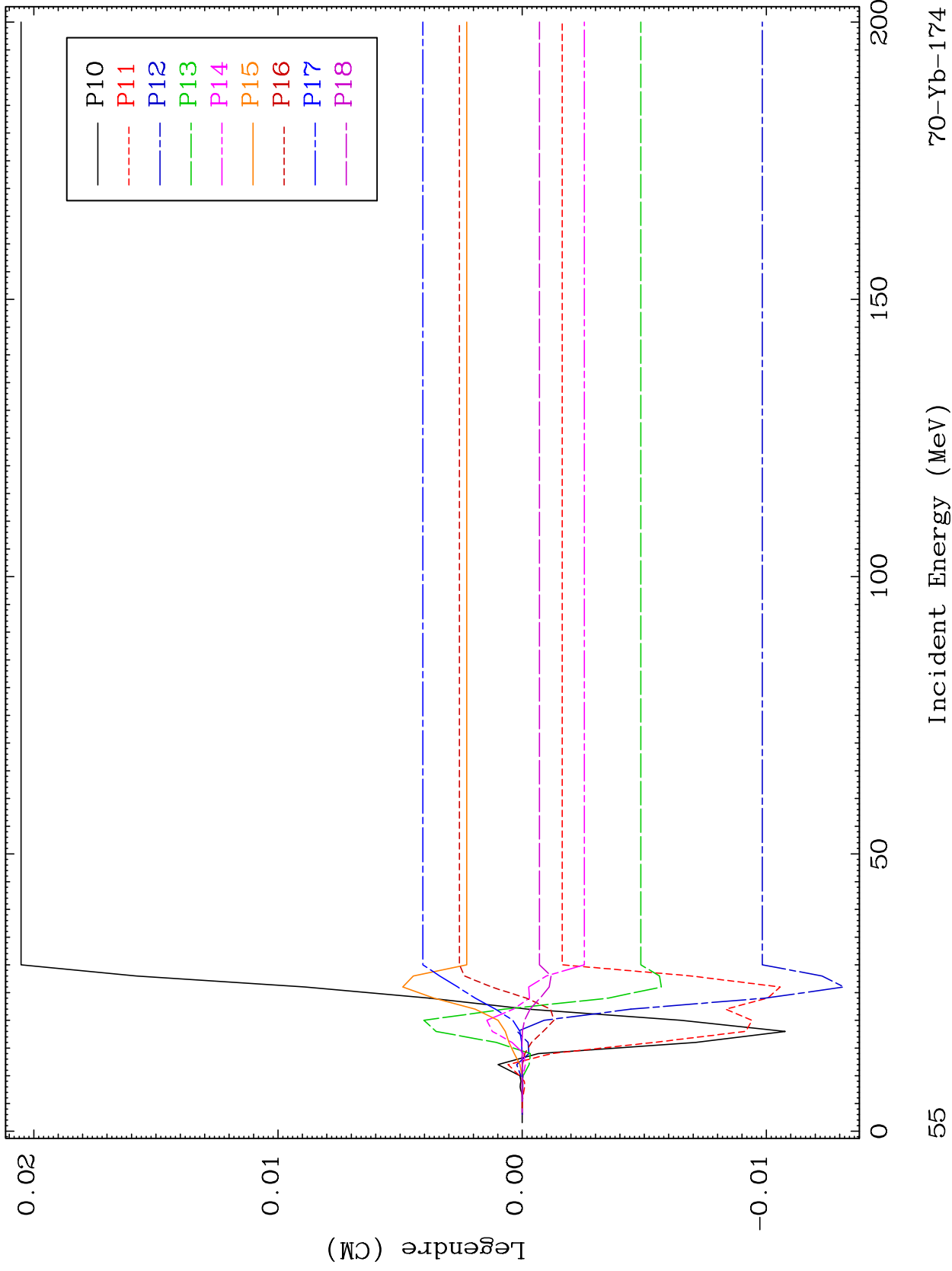
Incident Energy (MeV)

54

MAT 7043

MT= 61 (n,n') Level  
Legendre Coefficients

70-Yb-174



70-Yb-174

Incident Energy (MeV)

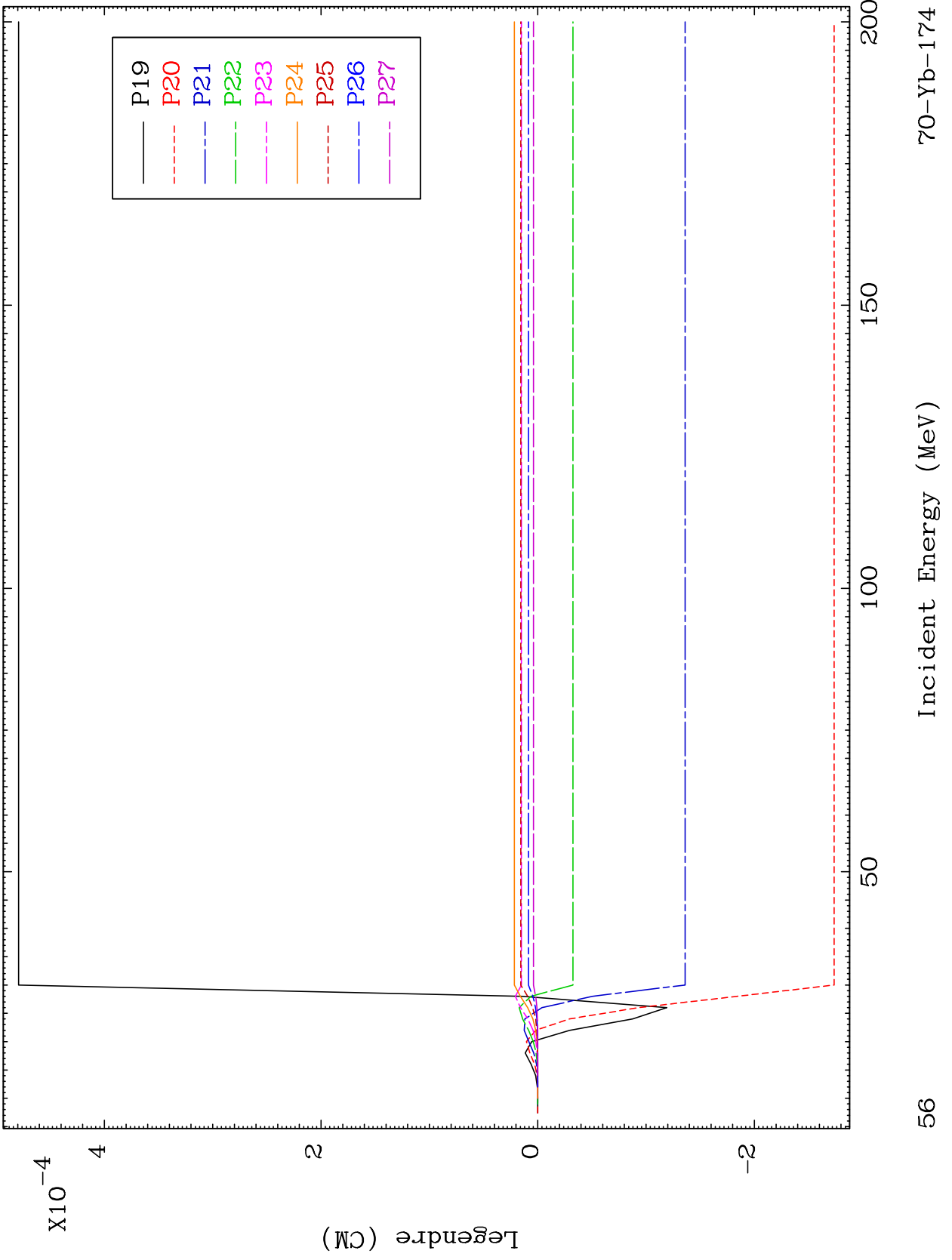
55



MAT 7043

MT= 61 (n,n') Level  
Legendre Coefficients

70-Yb-174



56

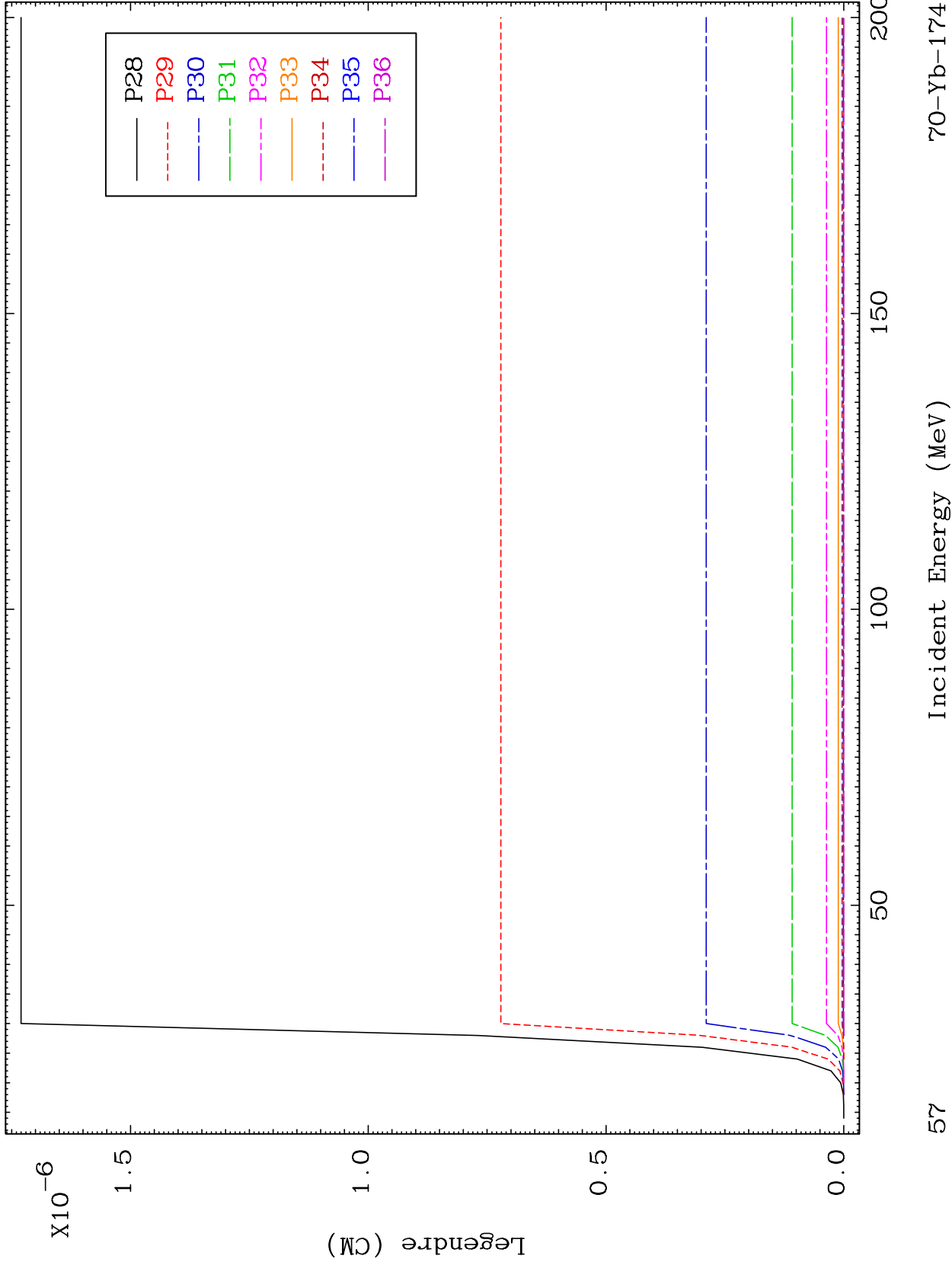
Incident Energy (MeV)

70-Yb-174

MAT 7043

MT= 61 (n,n') Level  
Legendre Coefficients

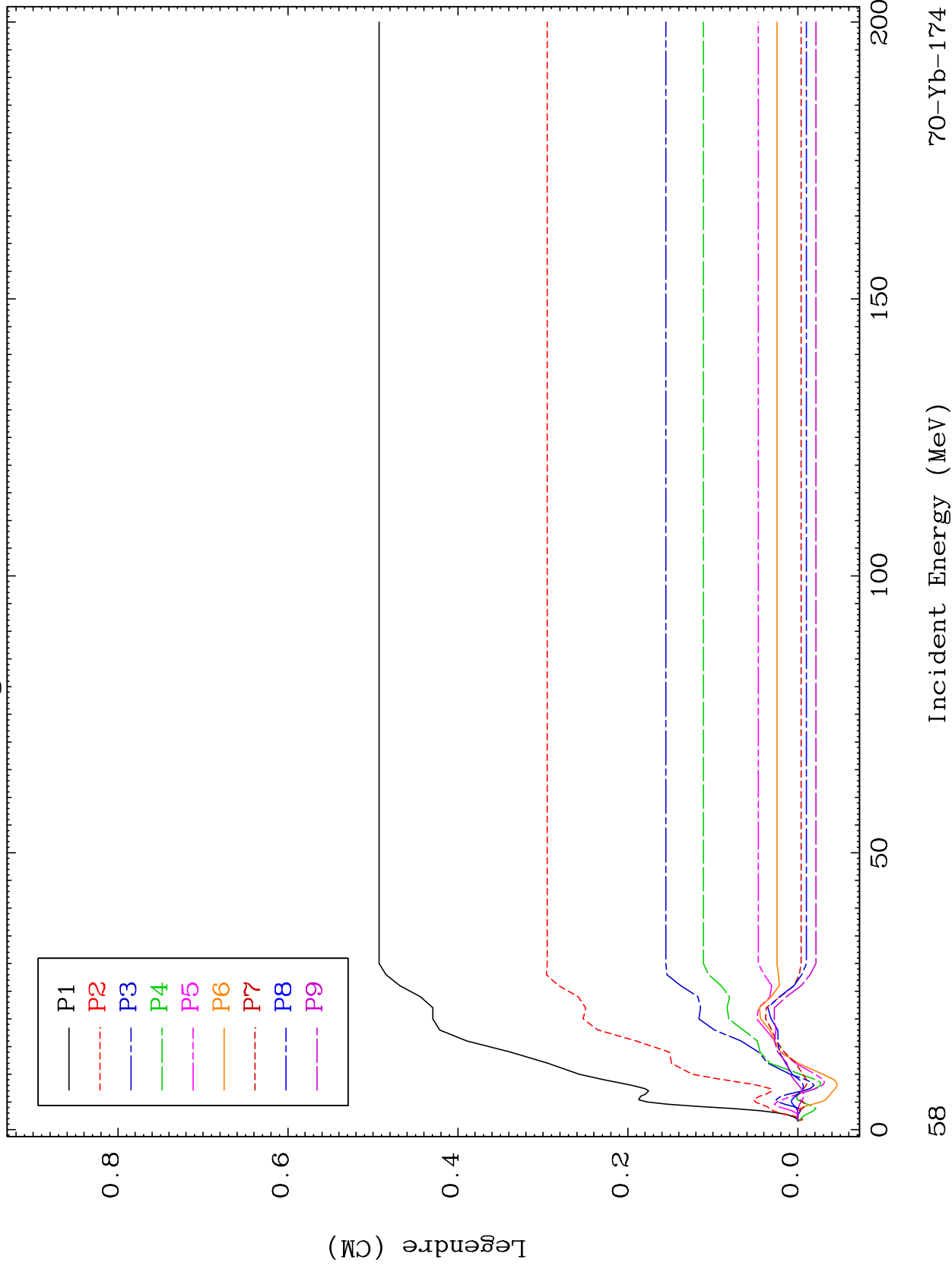
70-Yb-174



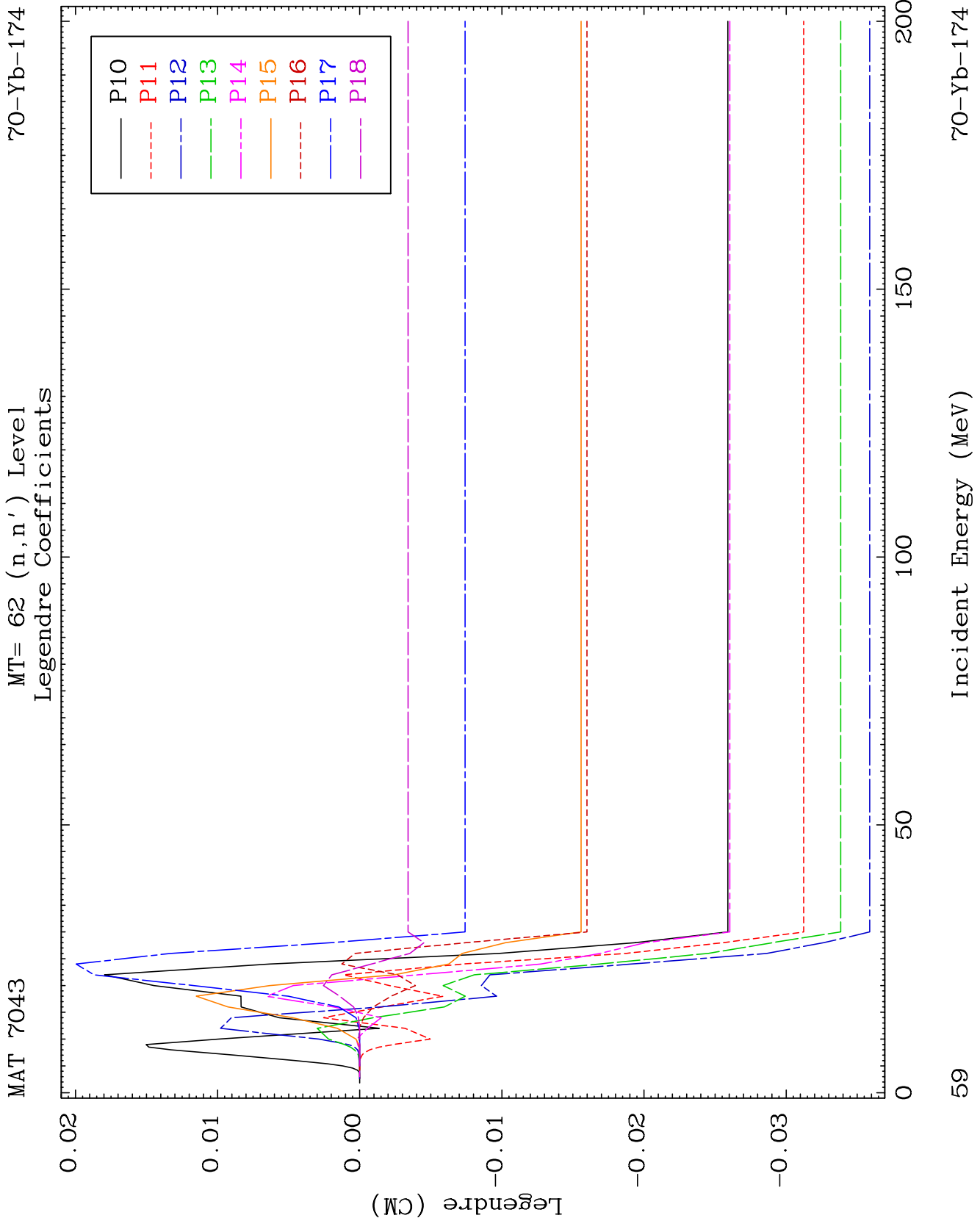
MAT 7043

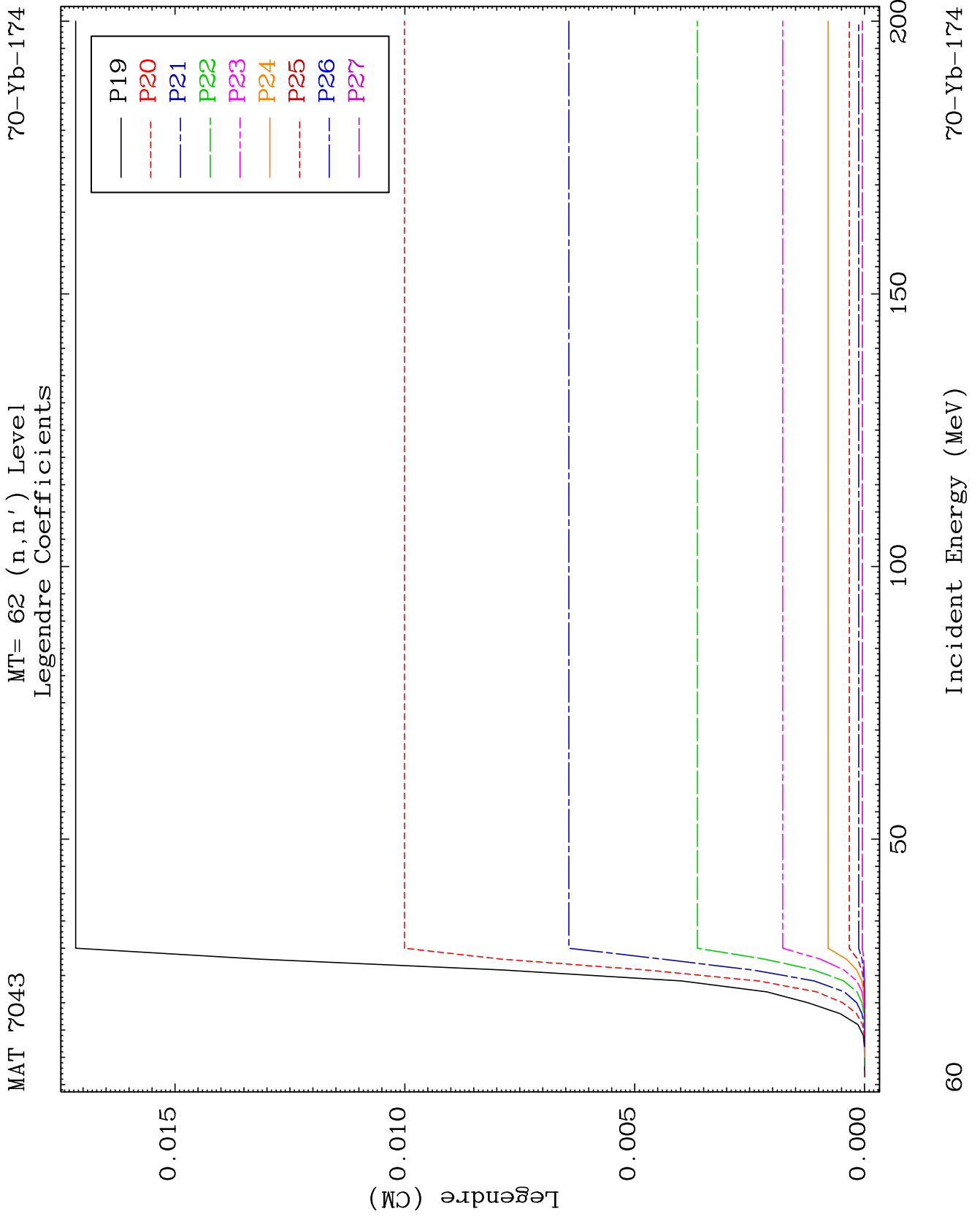
MT= 62 (n,n') Level  
Legendre Coefficients

70-Yb-174



58

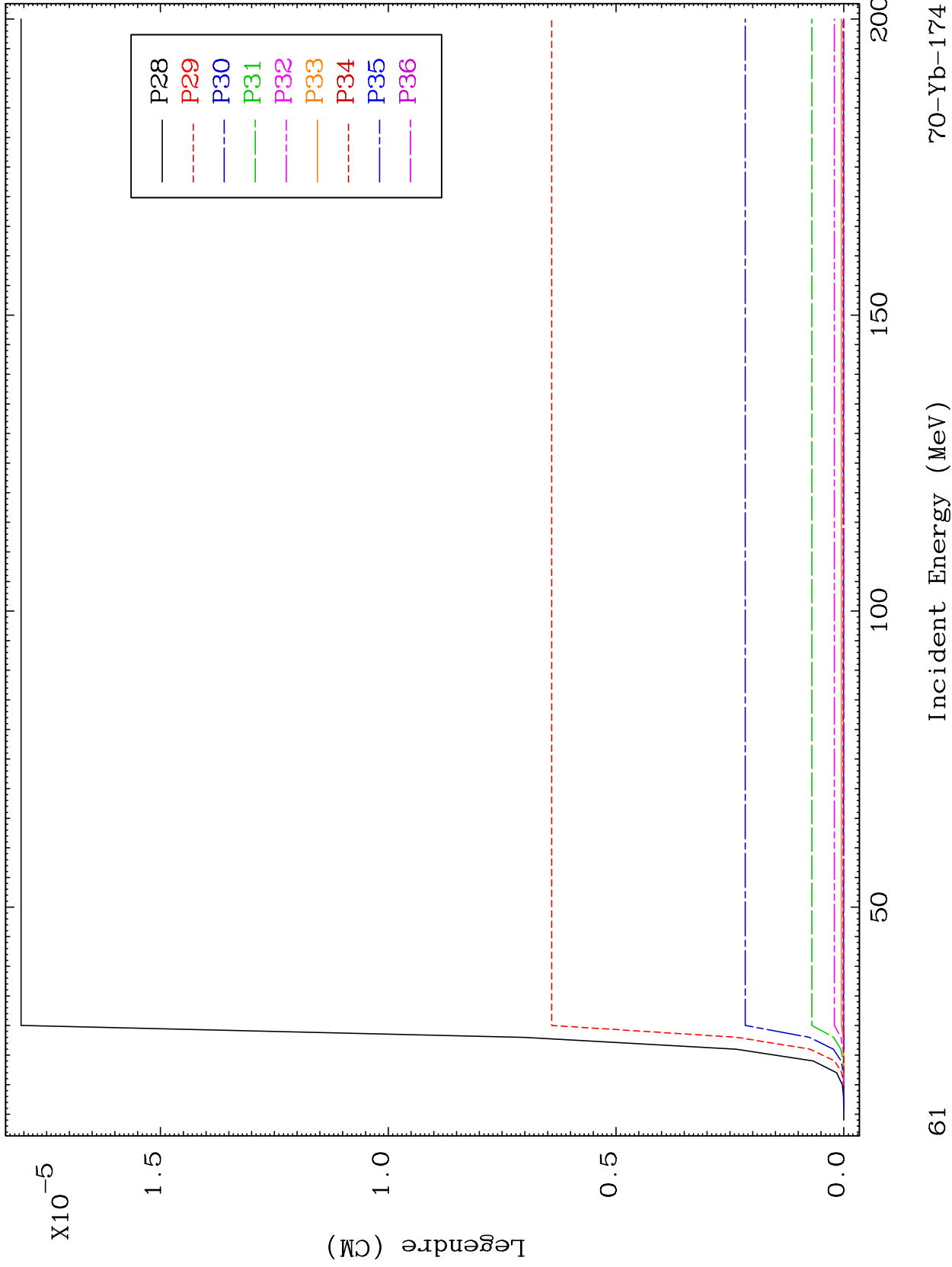




MAT 7043

MT= 62 (n,n') Level  
Legendre Coefficients

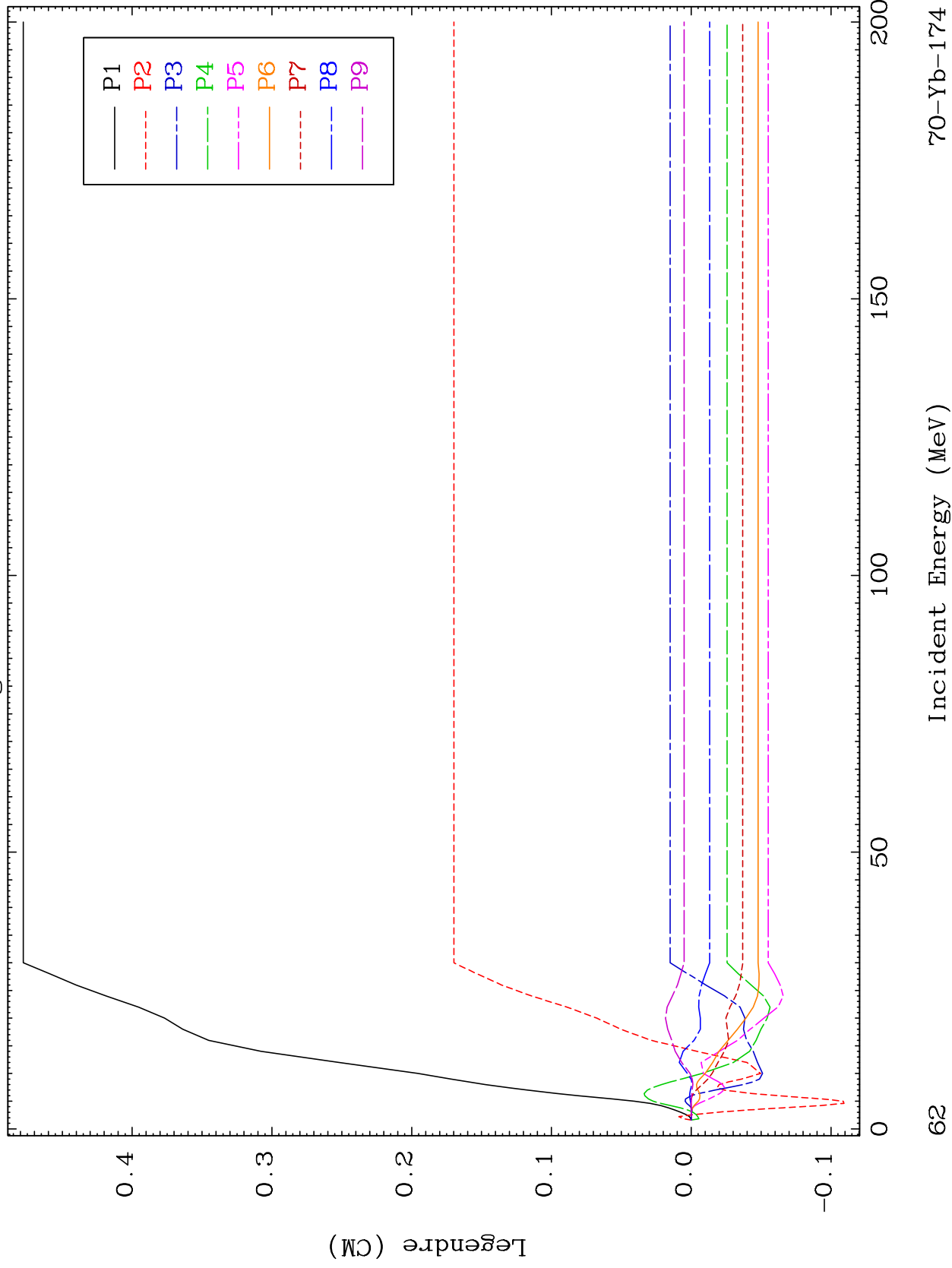
70-Yb-174



MAT 7043

MT= 63 (n,n') Level  
Legendre Coefficients

70-Yb-174



70-Yb-174

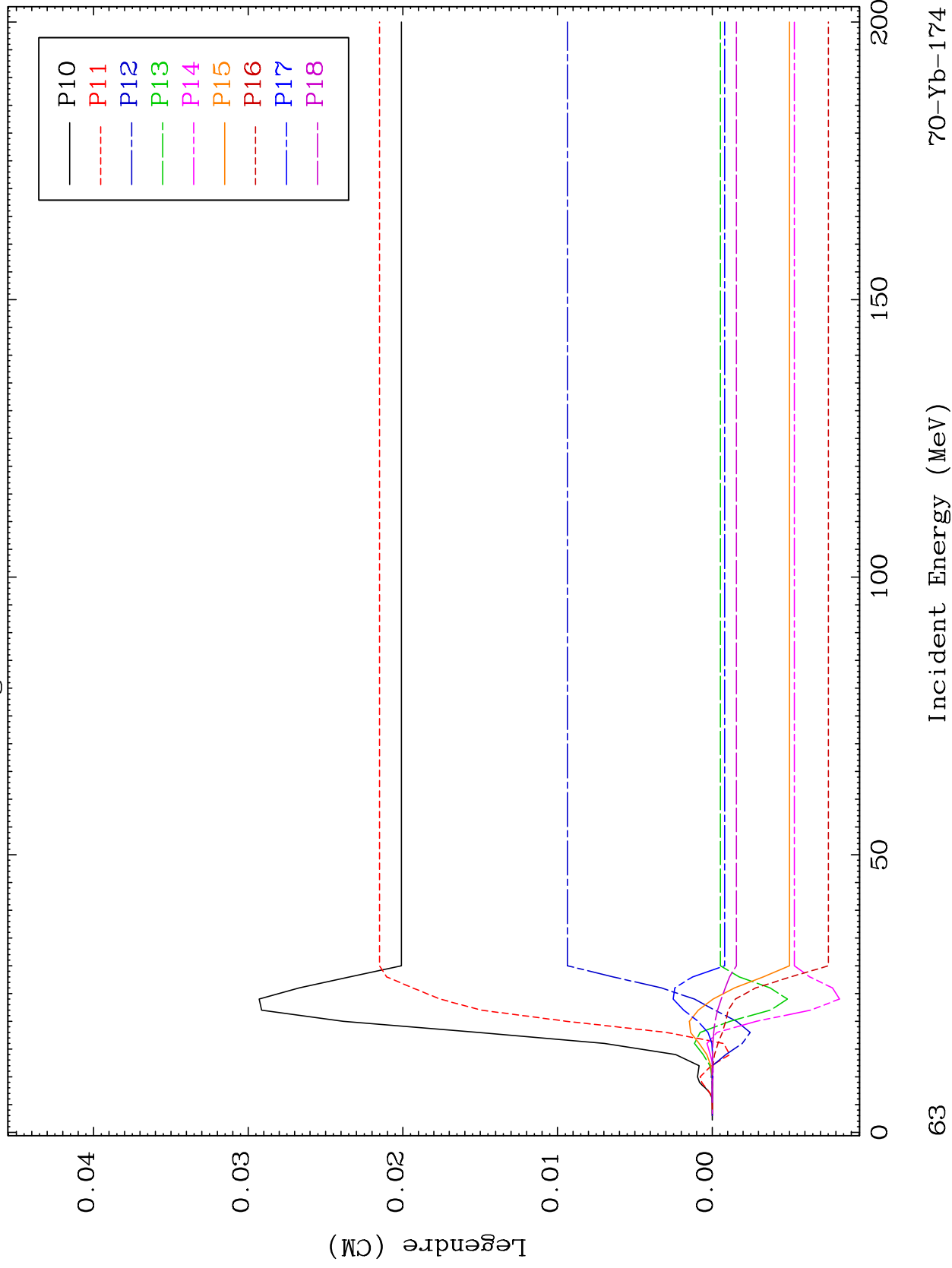
Incident Energy (MeV)

62

MAT 7043

MT= 63 (n,n') Level  
Legendre Coefficients

70-Yb-174



63

Incident Energy (MeV)

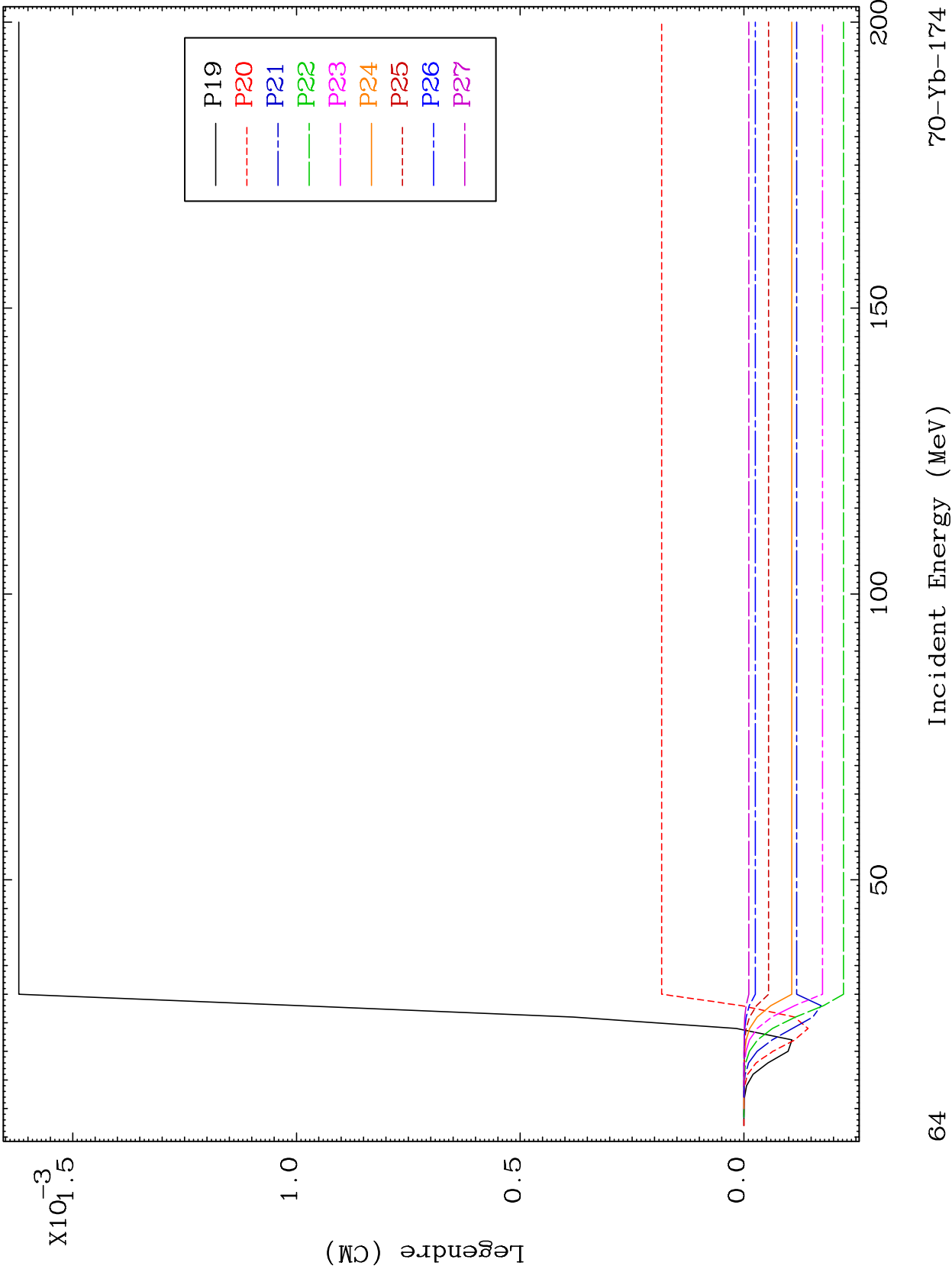
70-Yb-174



MAT 7043

MT= 63 (n,n') Level  
Legendre Coefficients

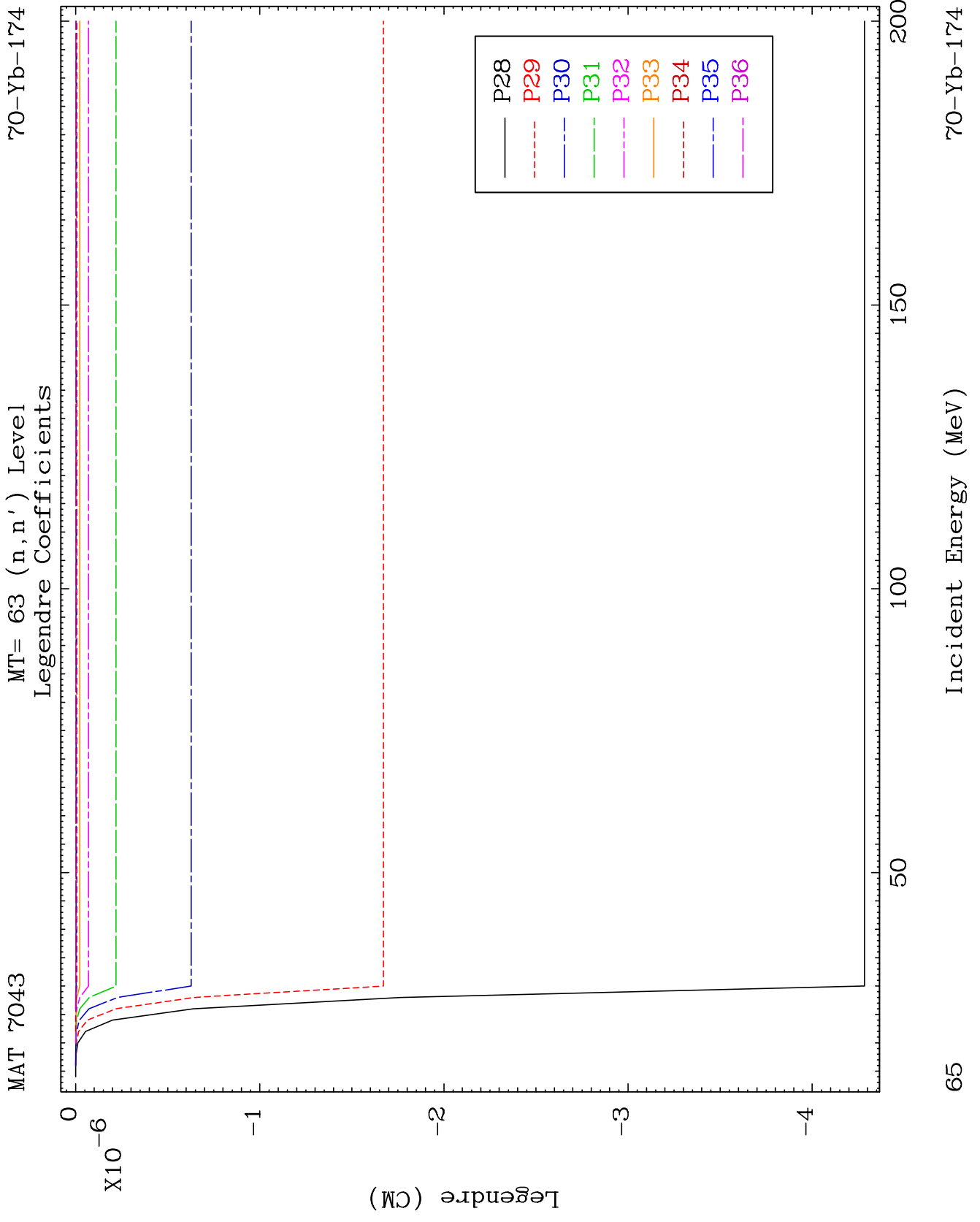
70-Yb-174



64

Incident Energy (MeV)

70-Yb-174



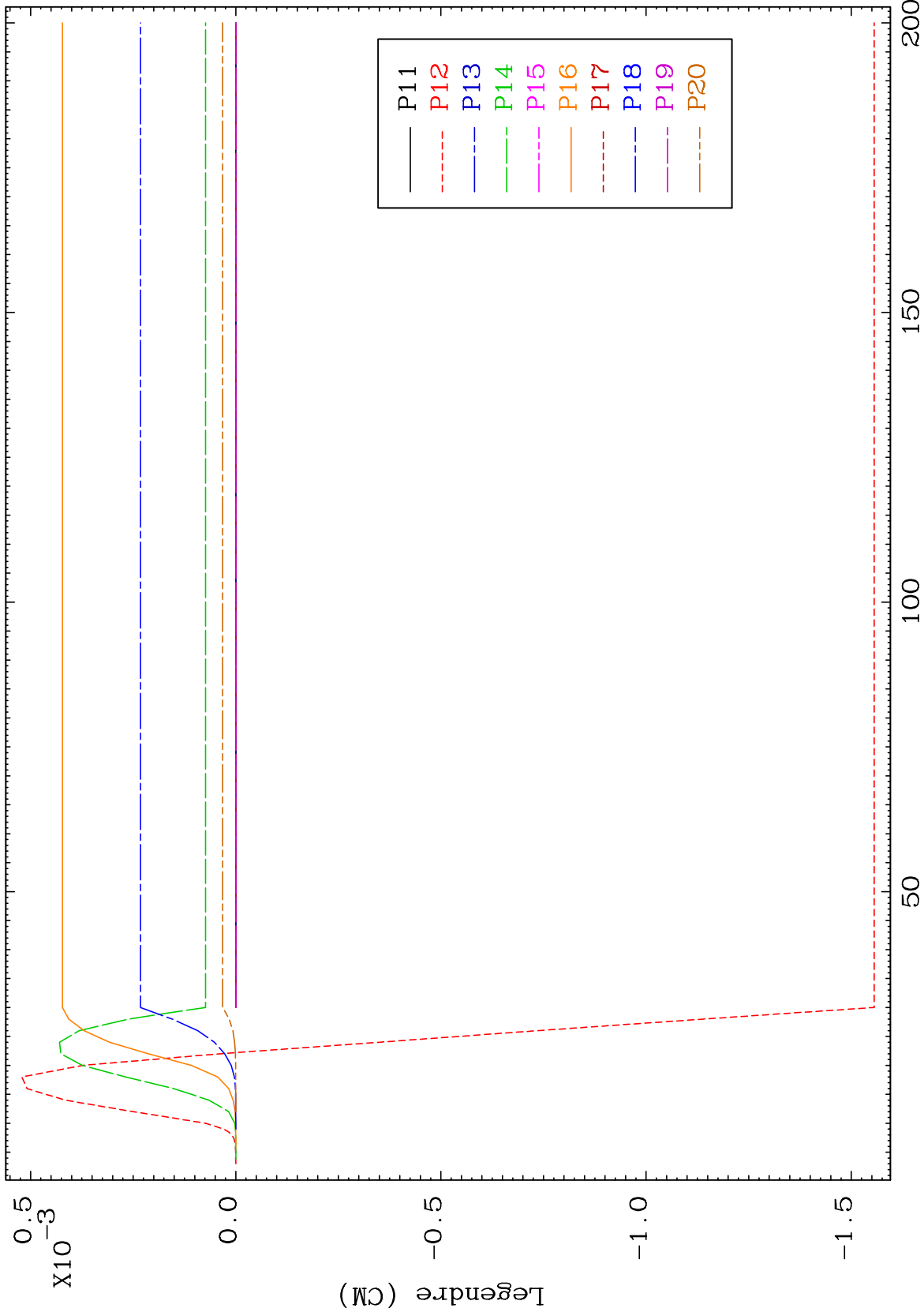


MAT 7043

MT= 64 (n,n') Level

70-Yb-174

Legendre Coefficients

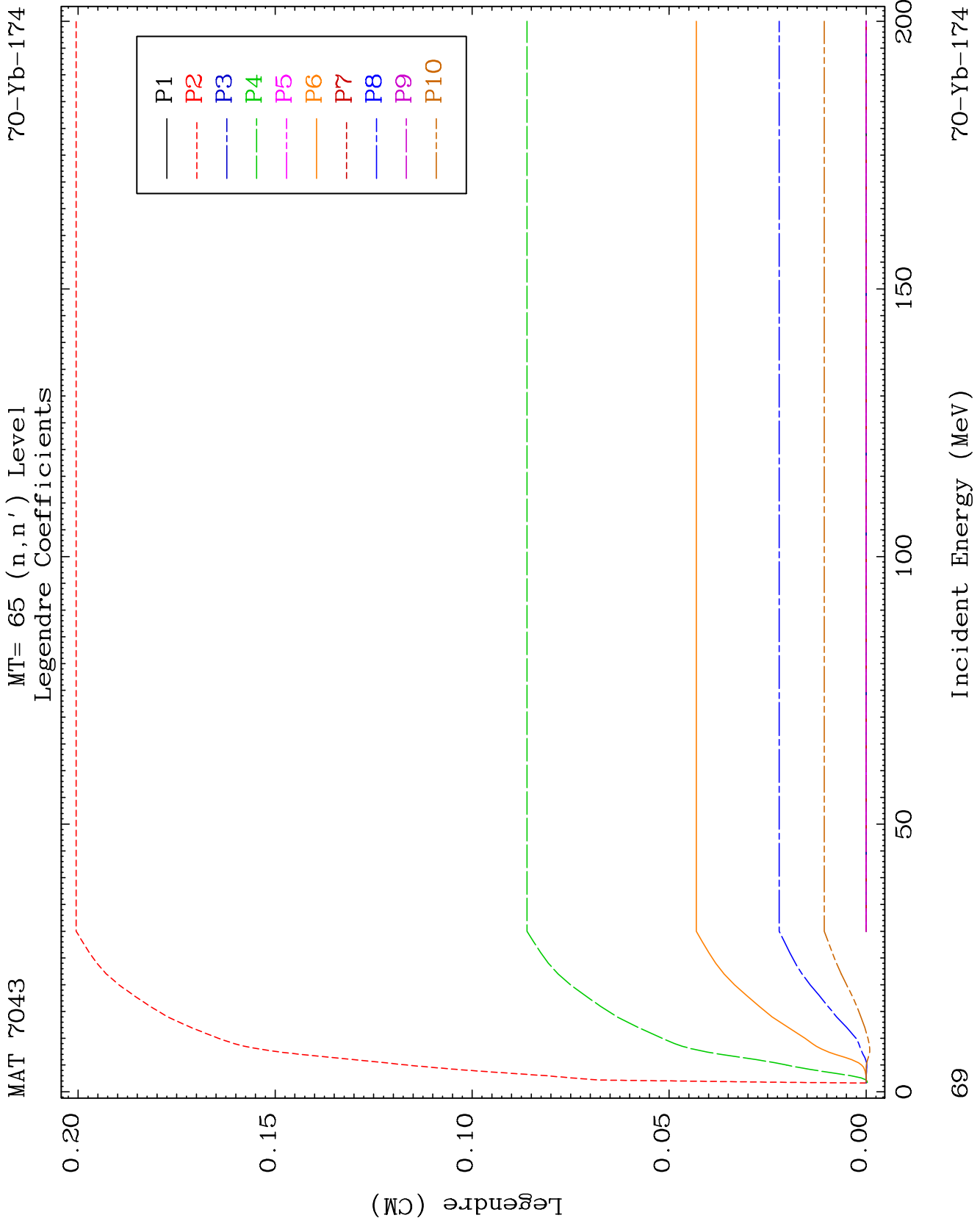


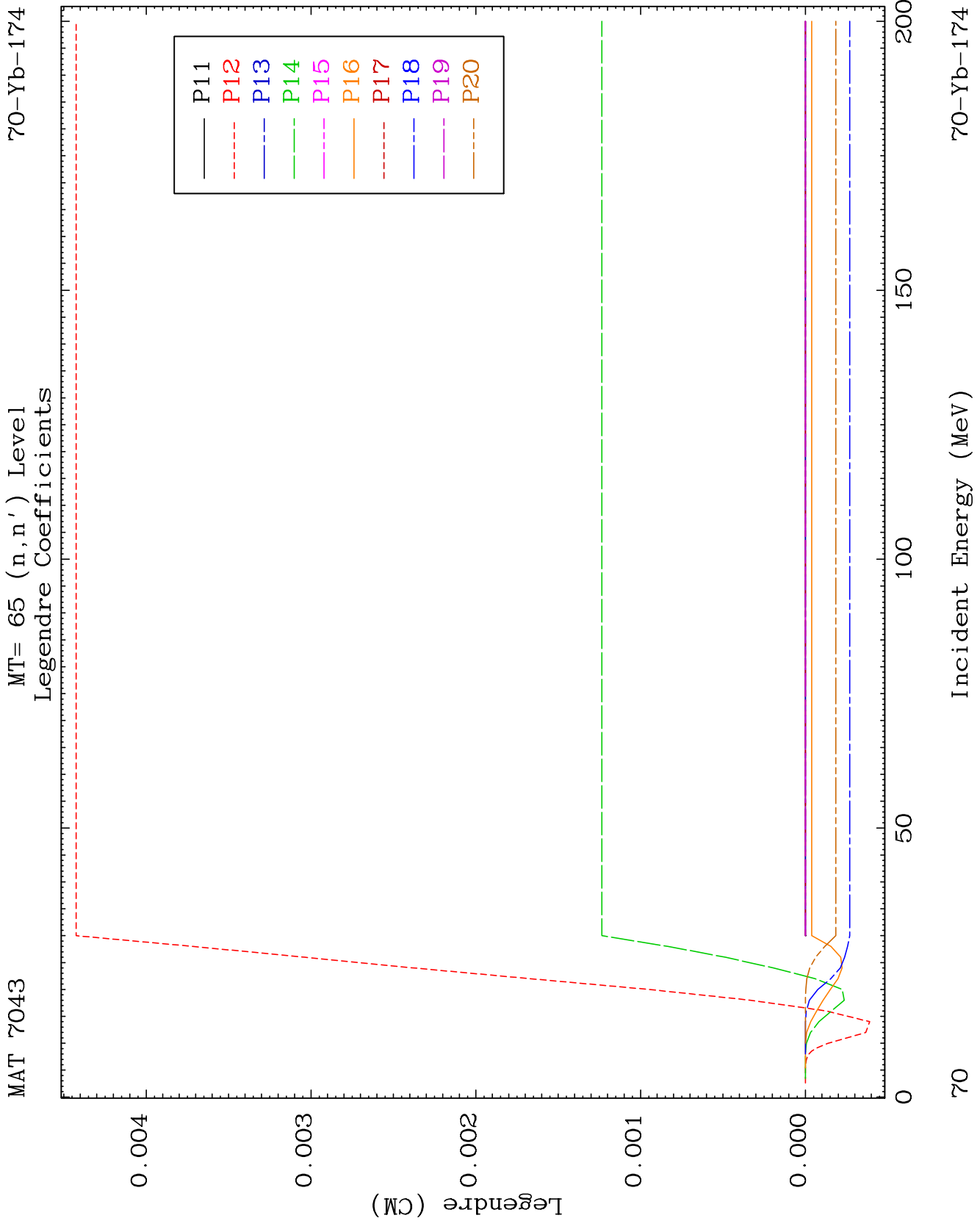
67

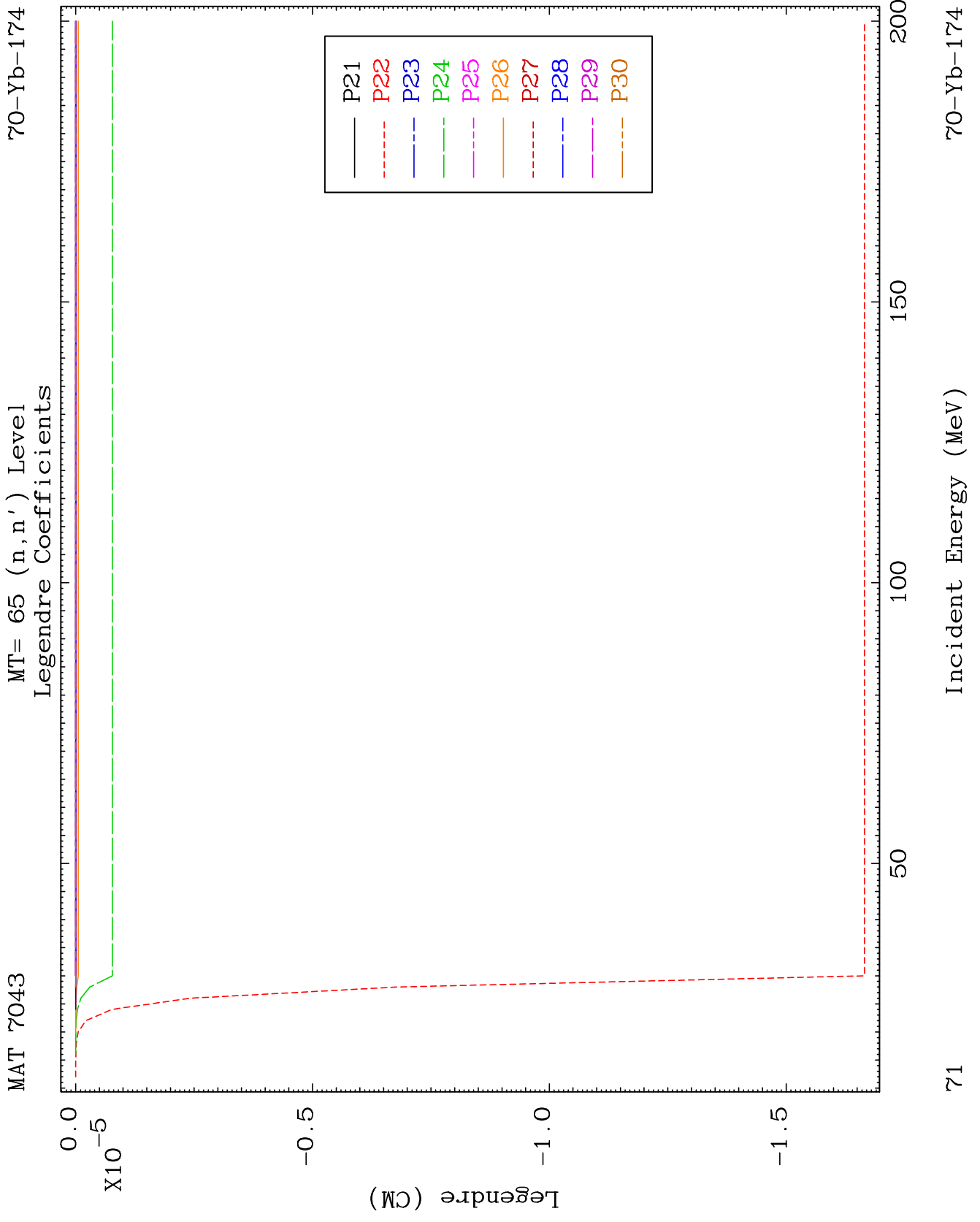
Incident Energy (MeV)

70-Yb-174









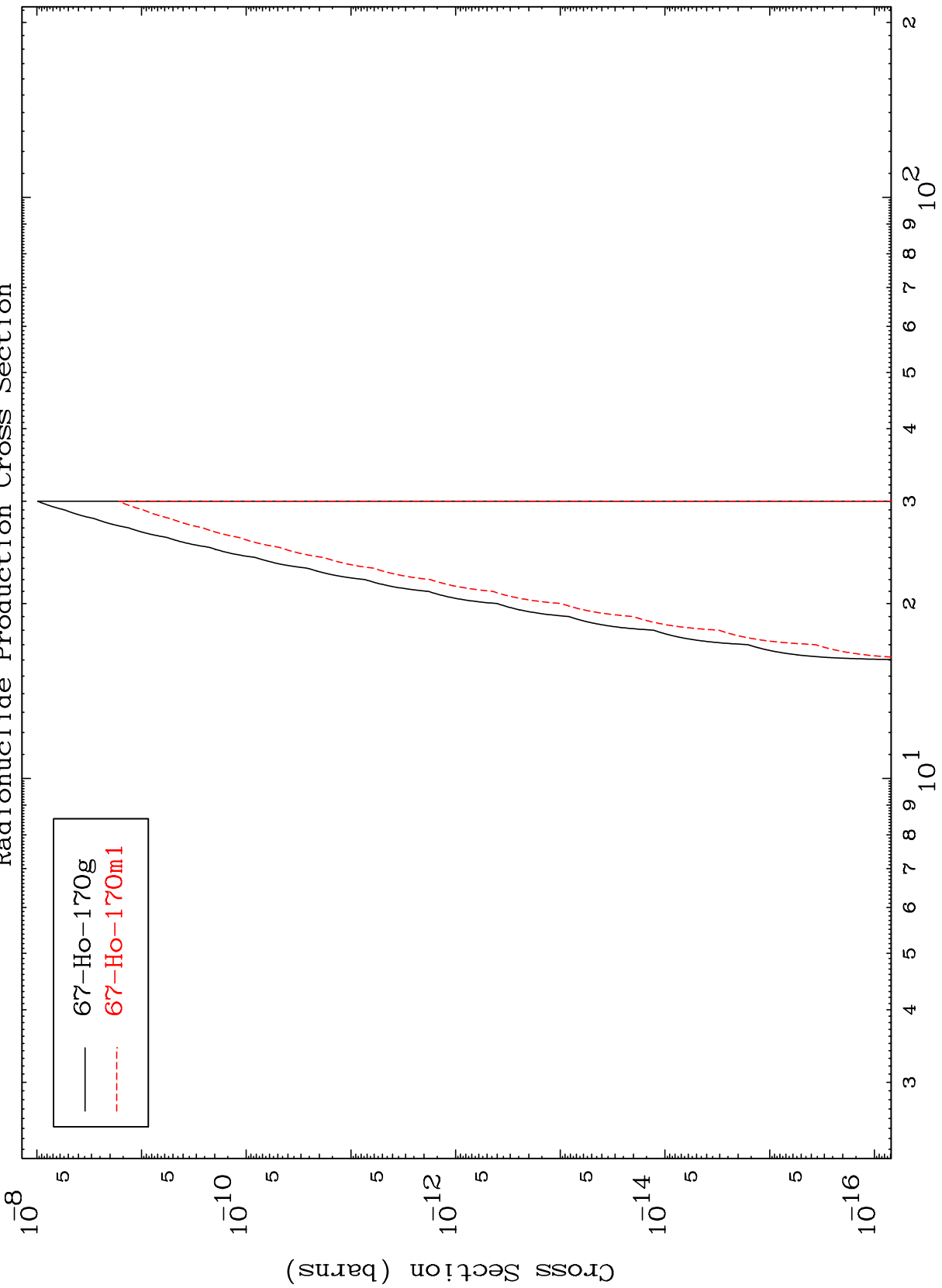


MAT 7043

(n,p)  $\alpha$

70-Yb-174

Radionuclide Production Cross Section



— 67-Ho-170g  
- - - 67-Ho-170m1

72

Incident Energy (MeV)

70-Yb-174