

Program EVALPLOT  
(Version 2021-1)

by

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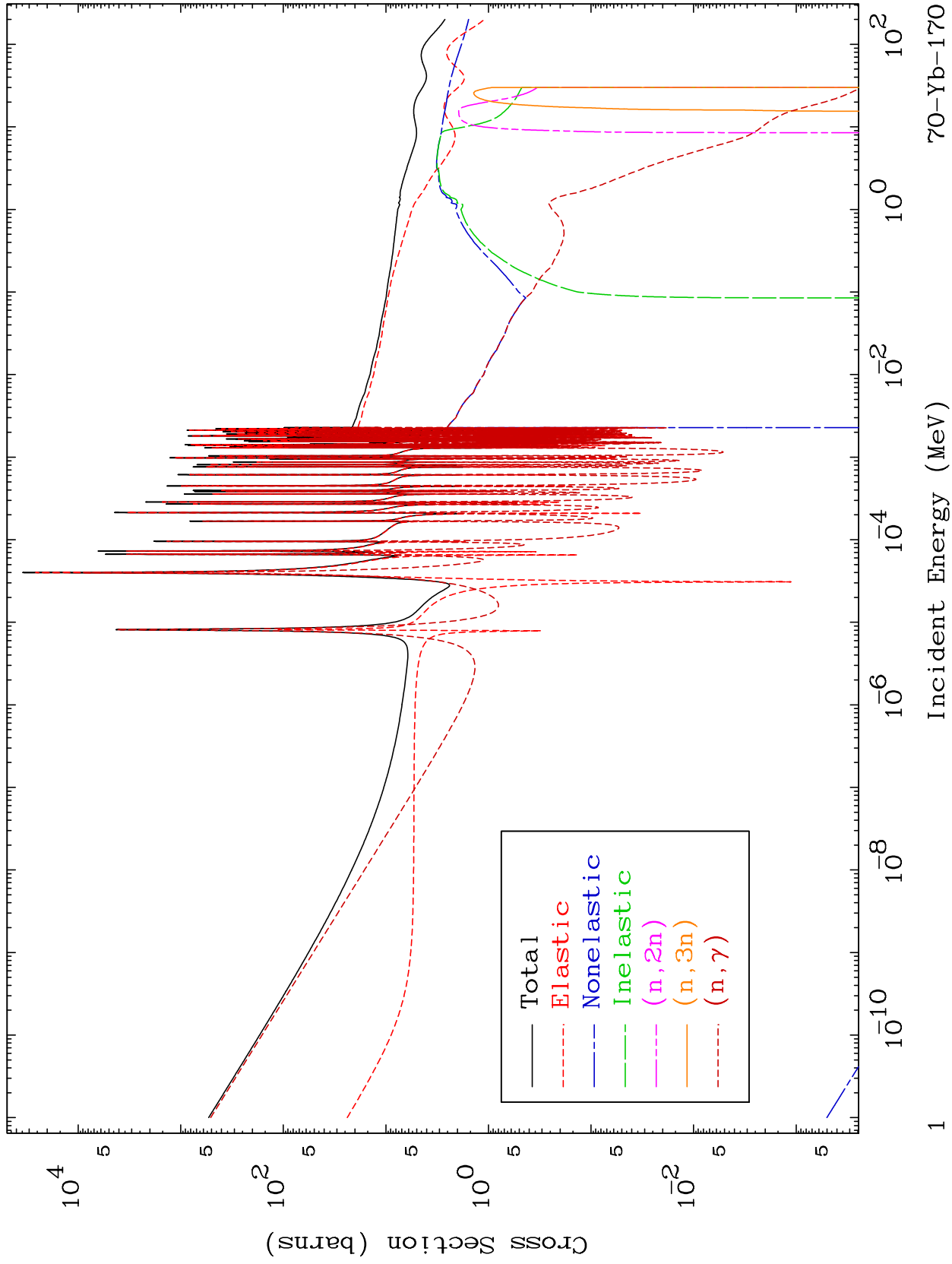
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7031

Neutron Major  
293 Kelvin Cross Sections

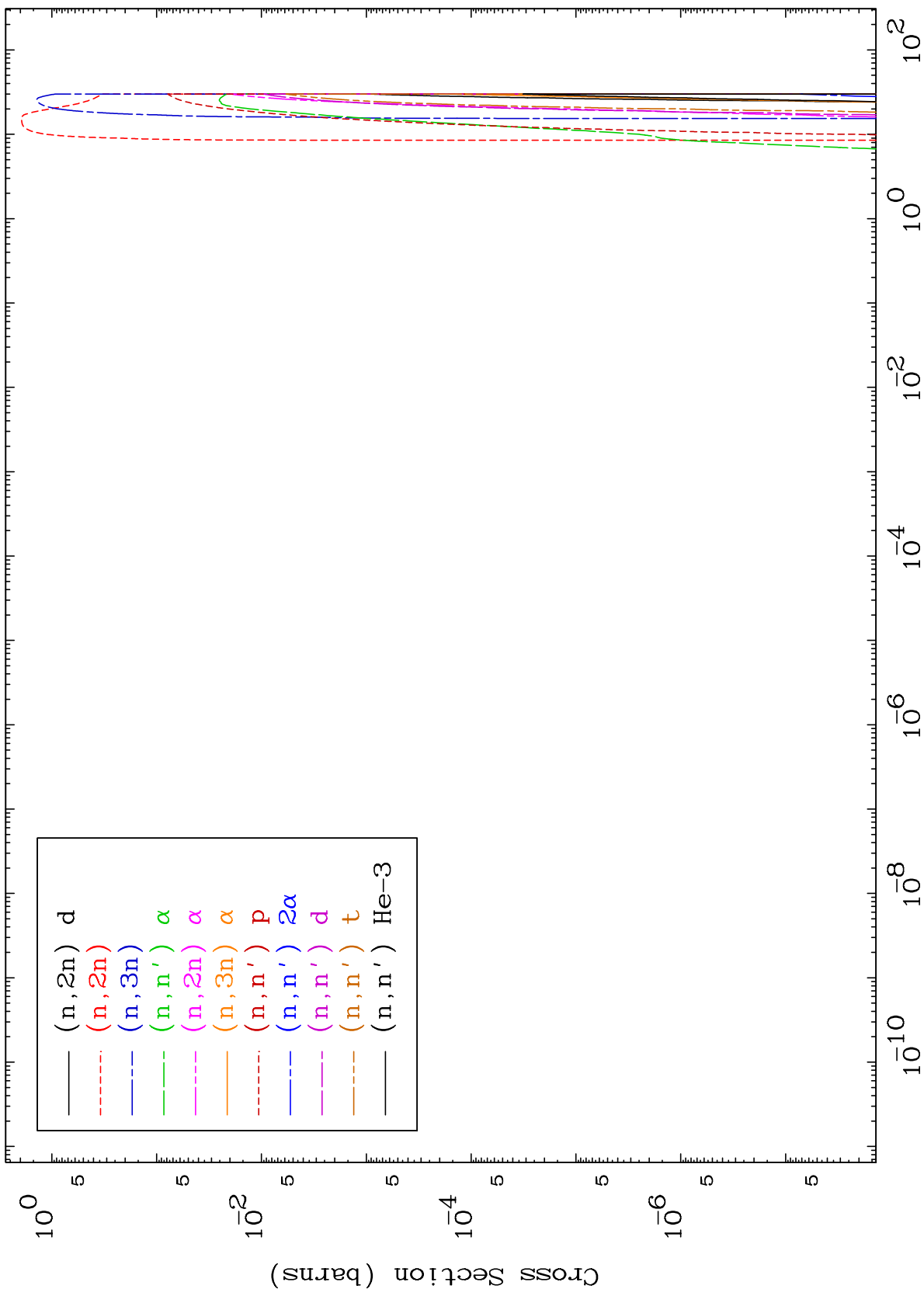
70-Yb-170



MAT 7031

Neutron Absorption  
293 Kelvin Cross Sections

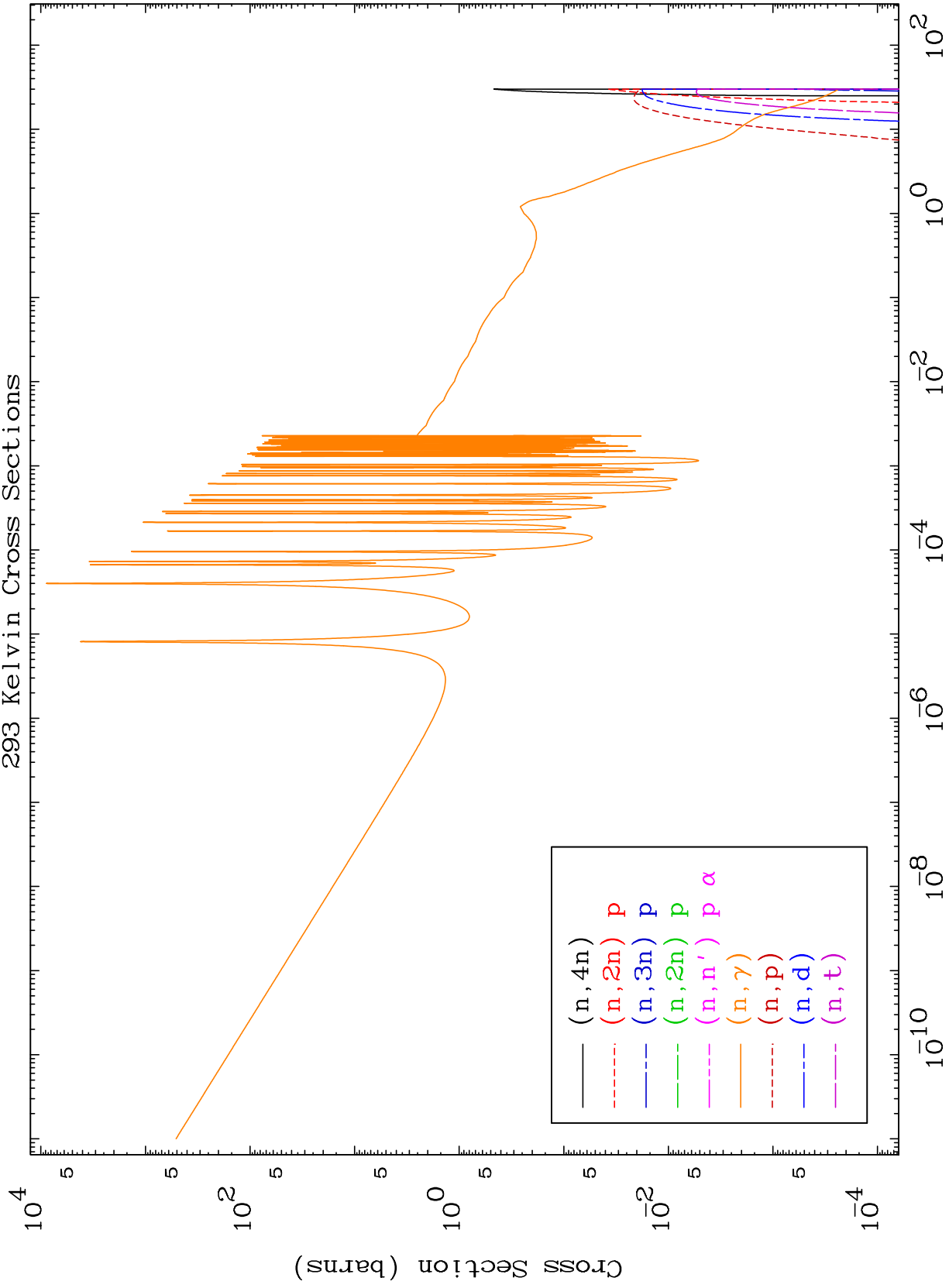
70-Yb-170



MAT 7031

Neutron Absorption  
293 Kelvin Cross Sections

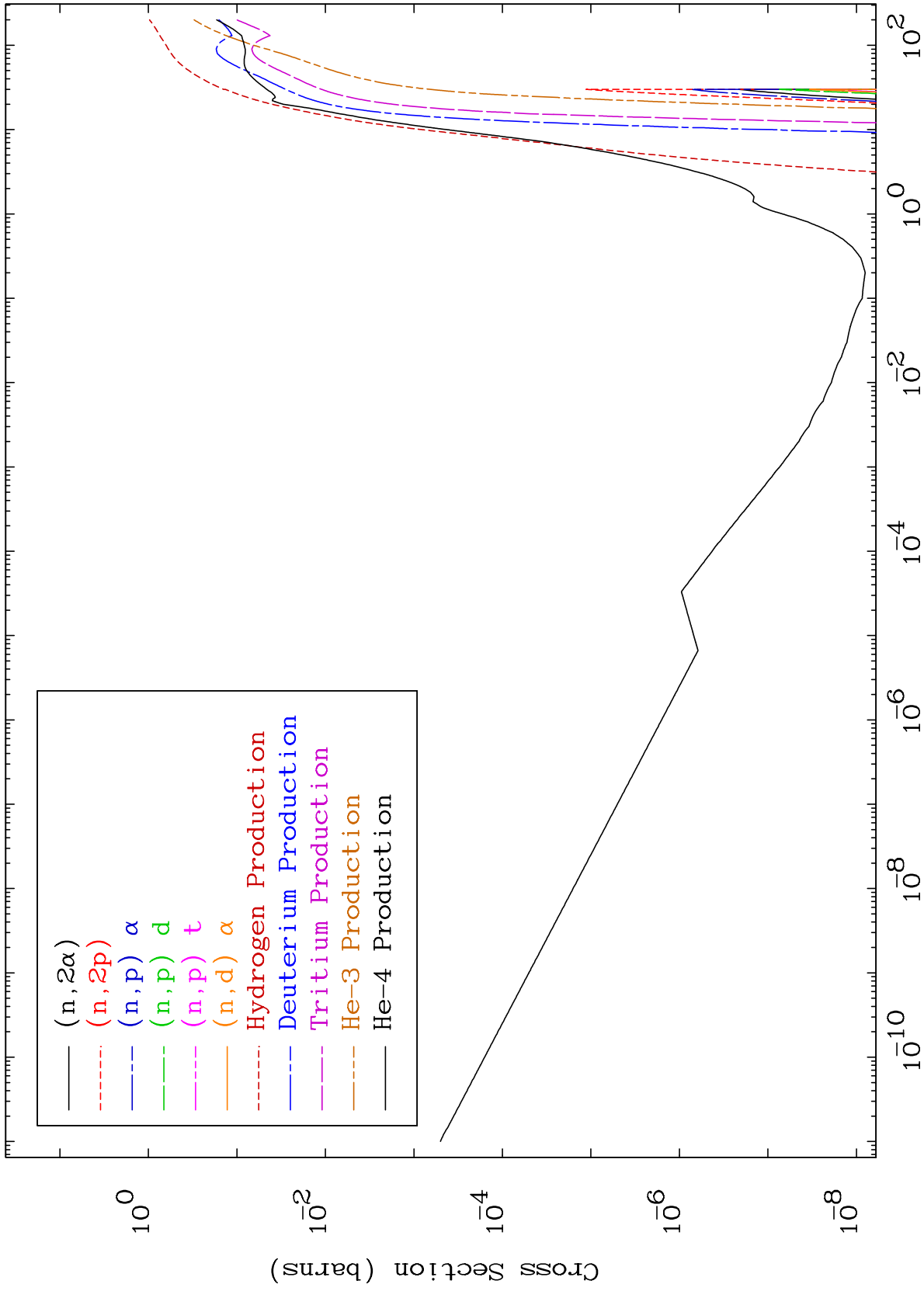
70-Yb-170



MAT 7031

Neutron Absorption  
293 Kelvin Cross Sections

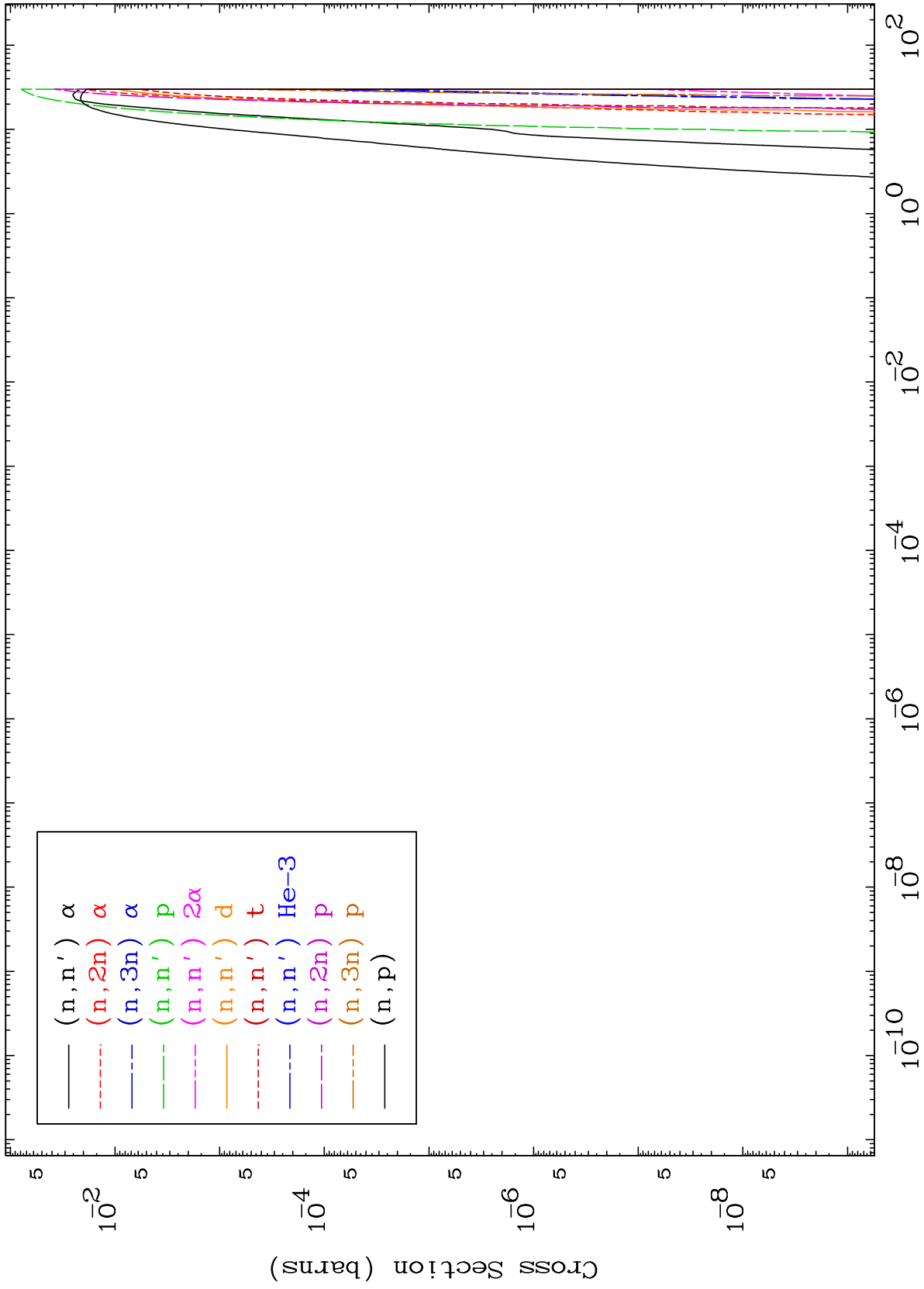
70-Yb-170



MAT 7031

293 Kelvin Cross Sections

70-Yb-170



5

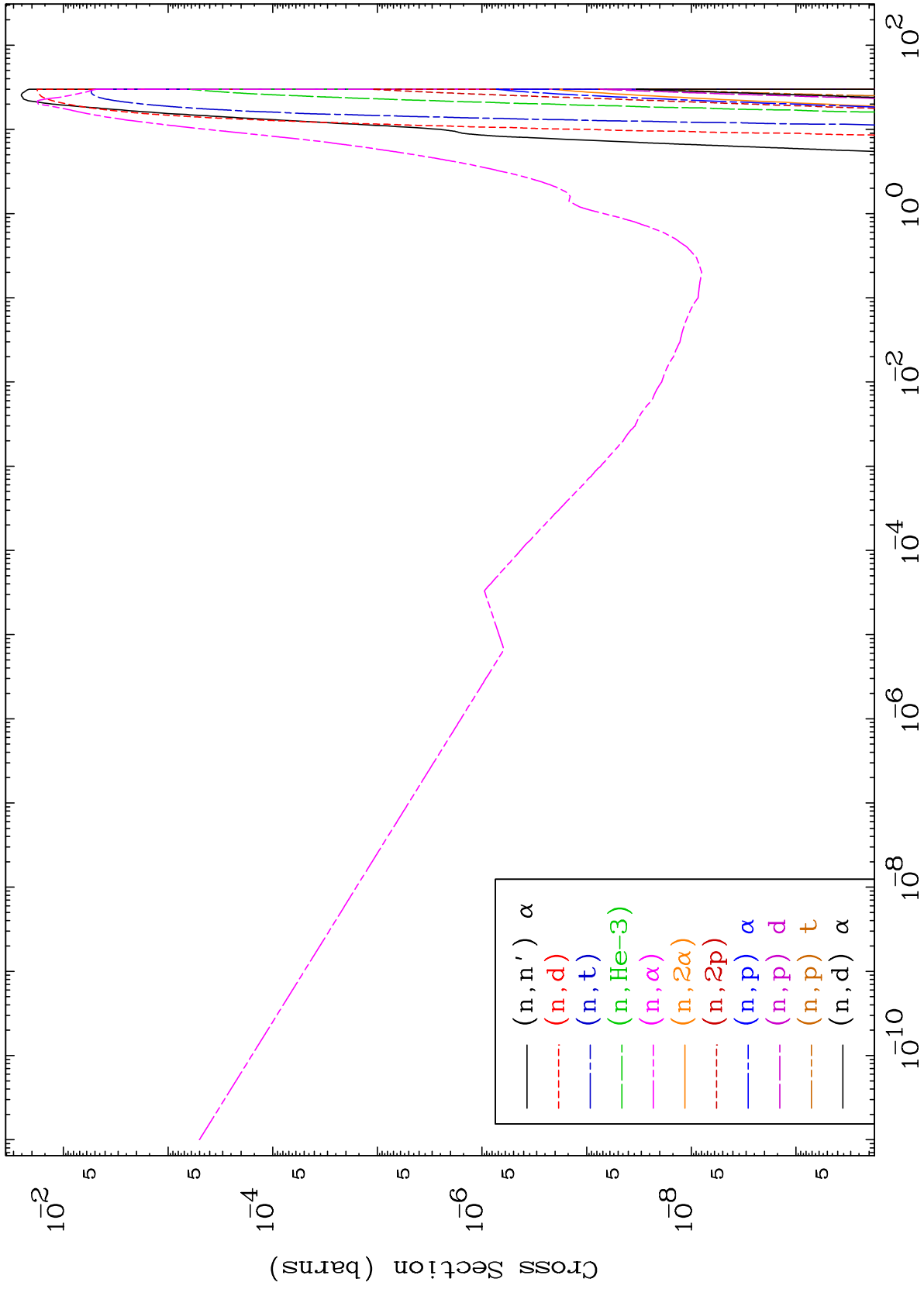
Incident Energy (MeV)

70-Yb-170

MAT 7031

293 Kelvin Cross Sections

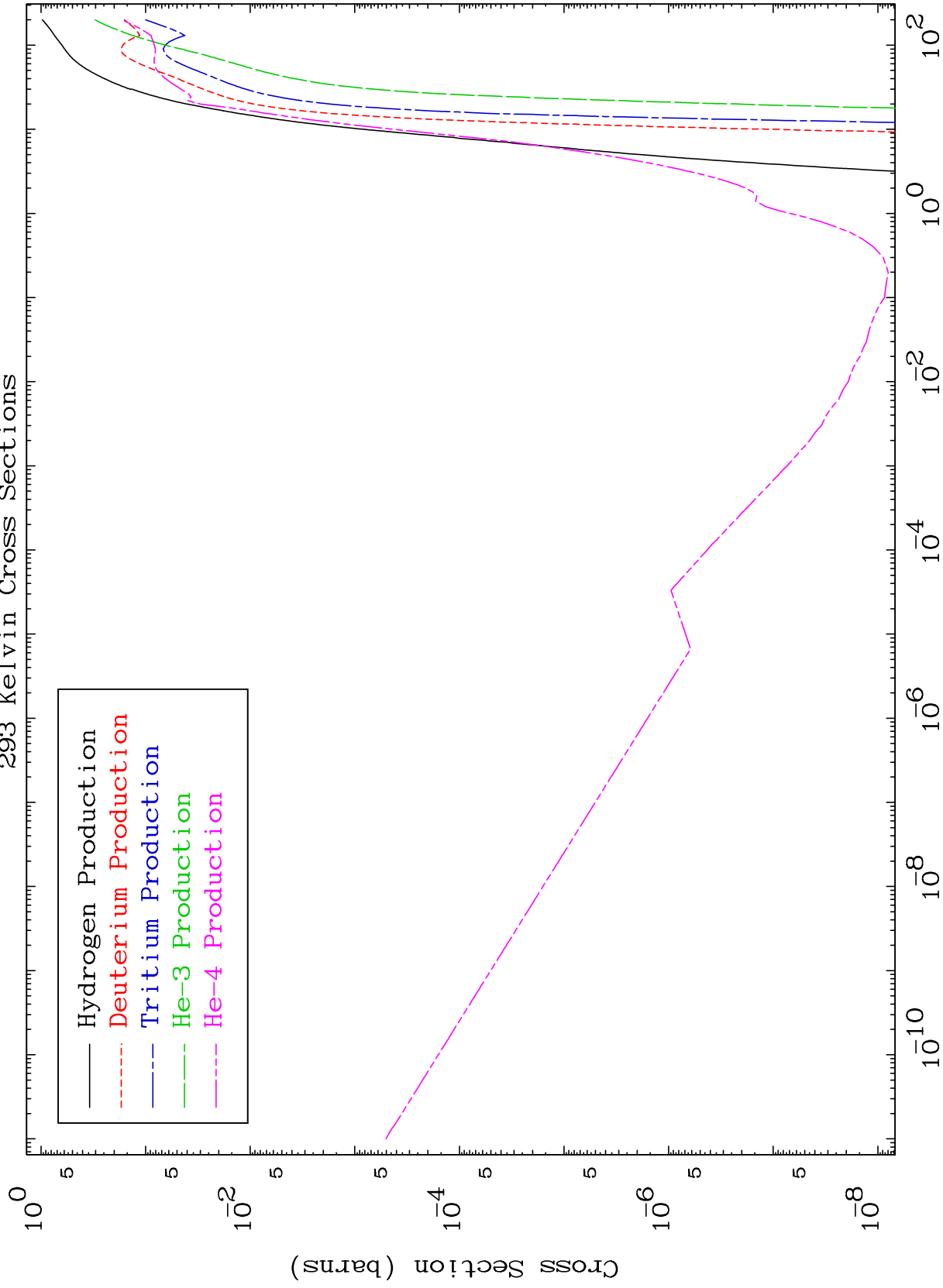
70-Yb-170



MAT 7031

Particle Production  
293 Kelvin Cross Sections

70-Yb-170



7

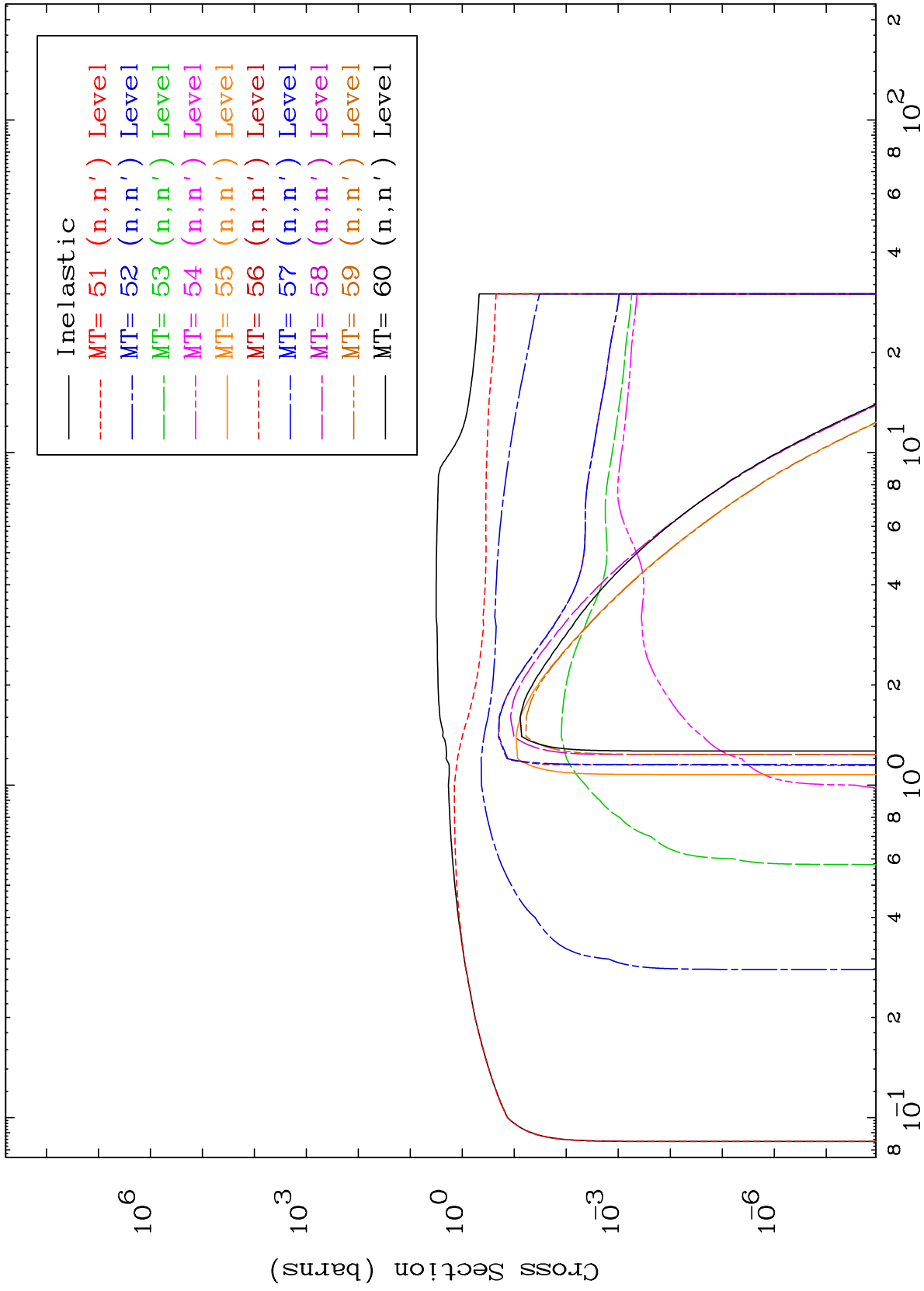
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,n') Levels  
293 Kelvin Cross Sections

70-Yb-170



8

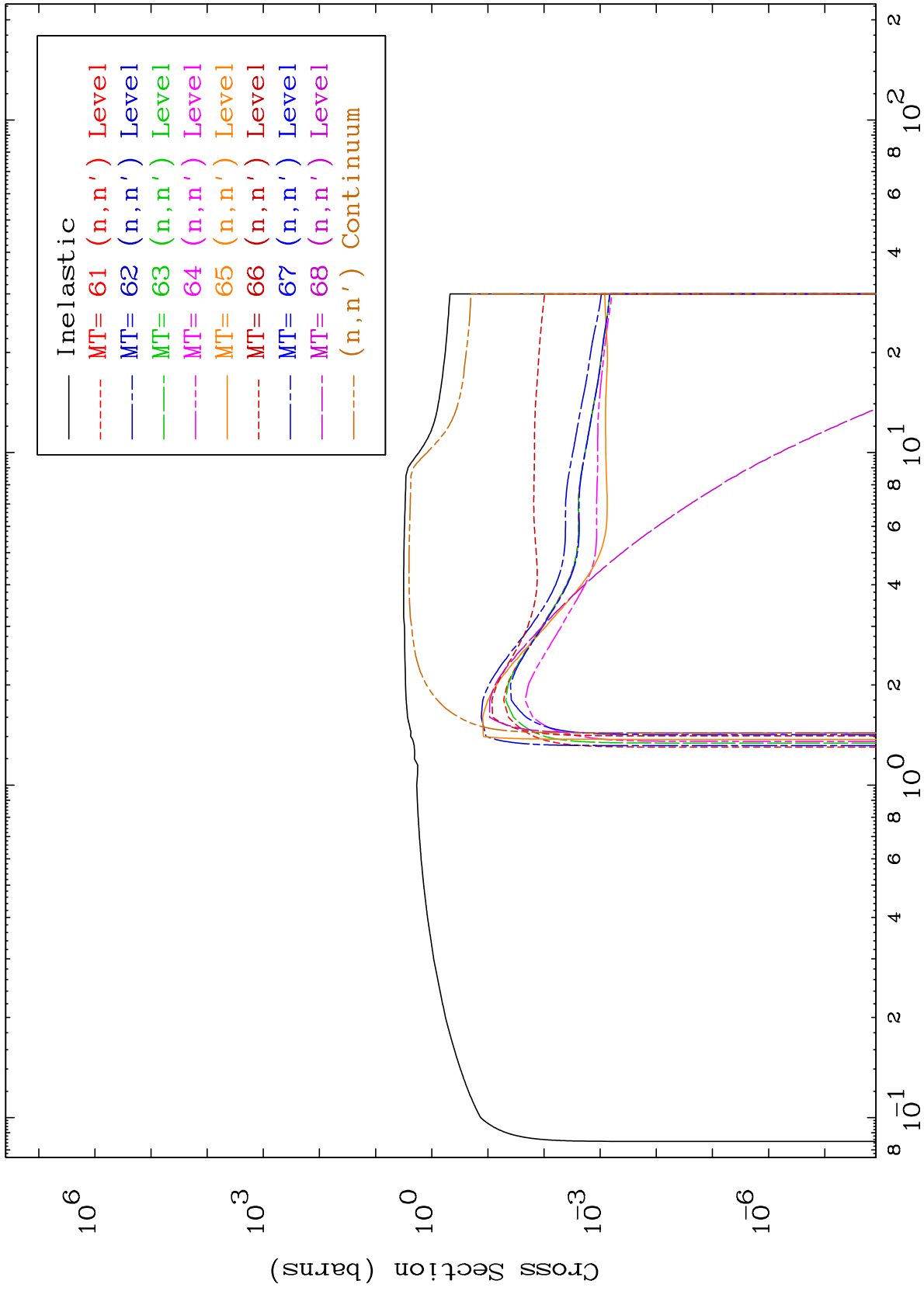
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,n') Levels  
293 Kelvin Cross Sections

70-Yb-170

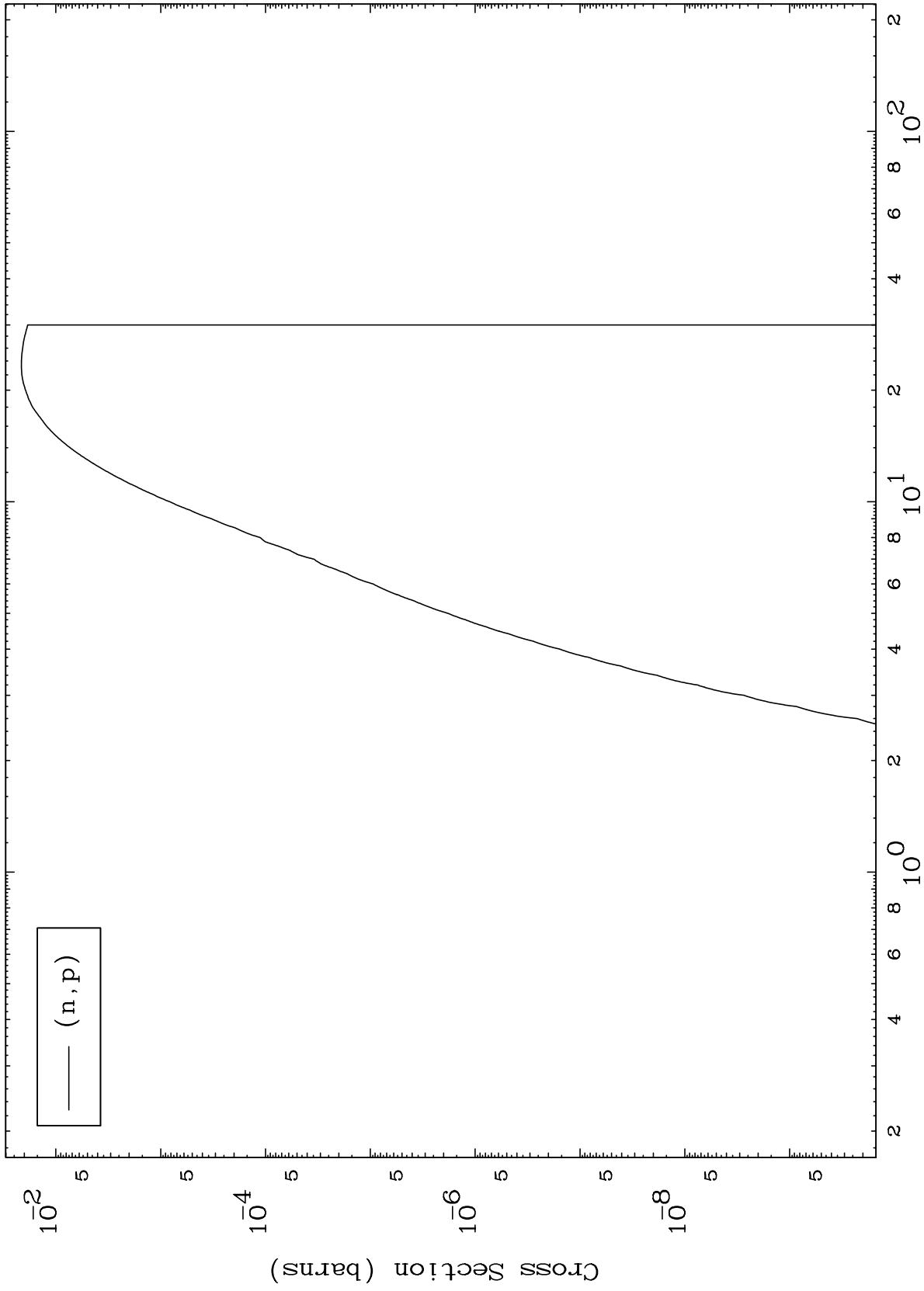


9

MAT 7031

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-170



10

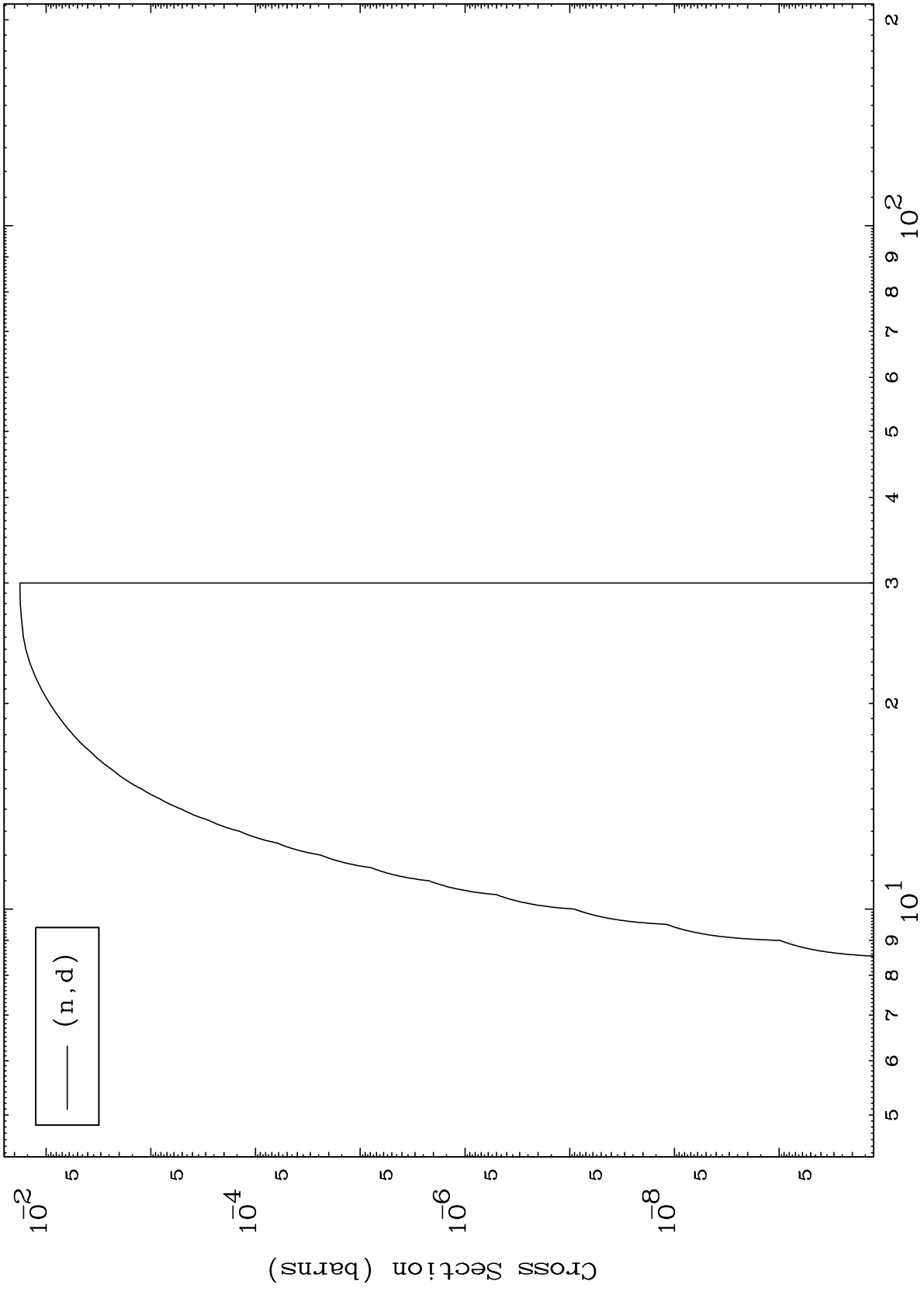
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,d) Levels  
293 Kelvin Cross Sections

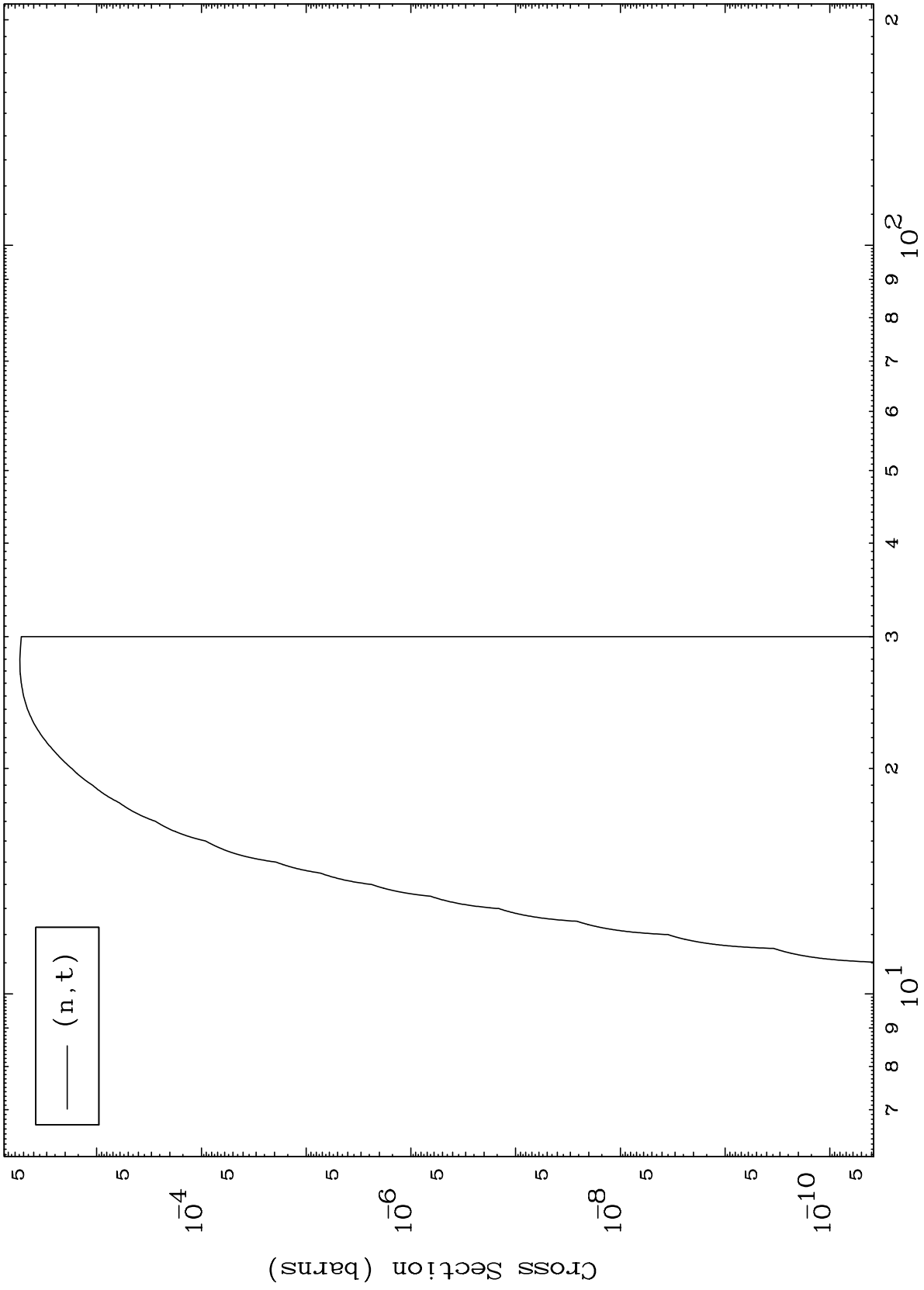
70-Yb-170



MAT 7031

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-170



12

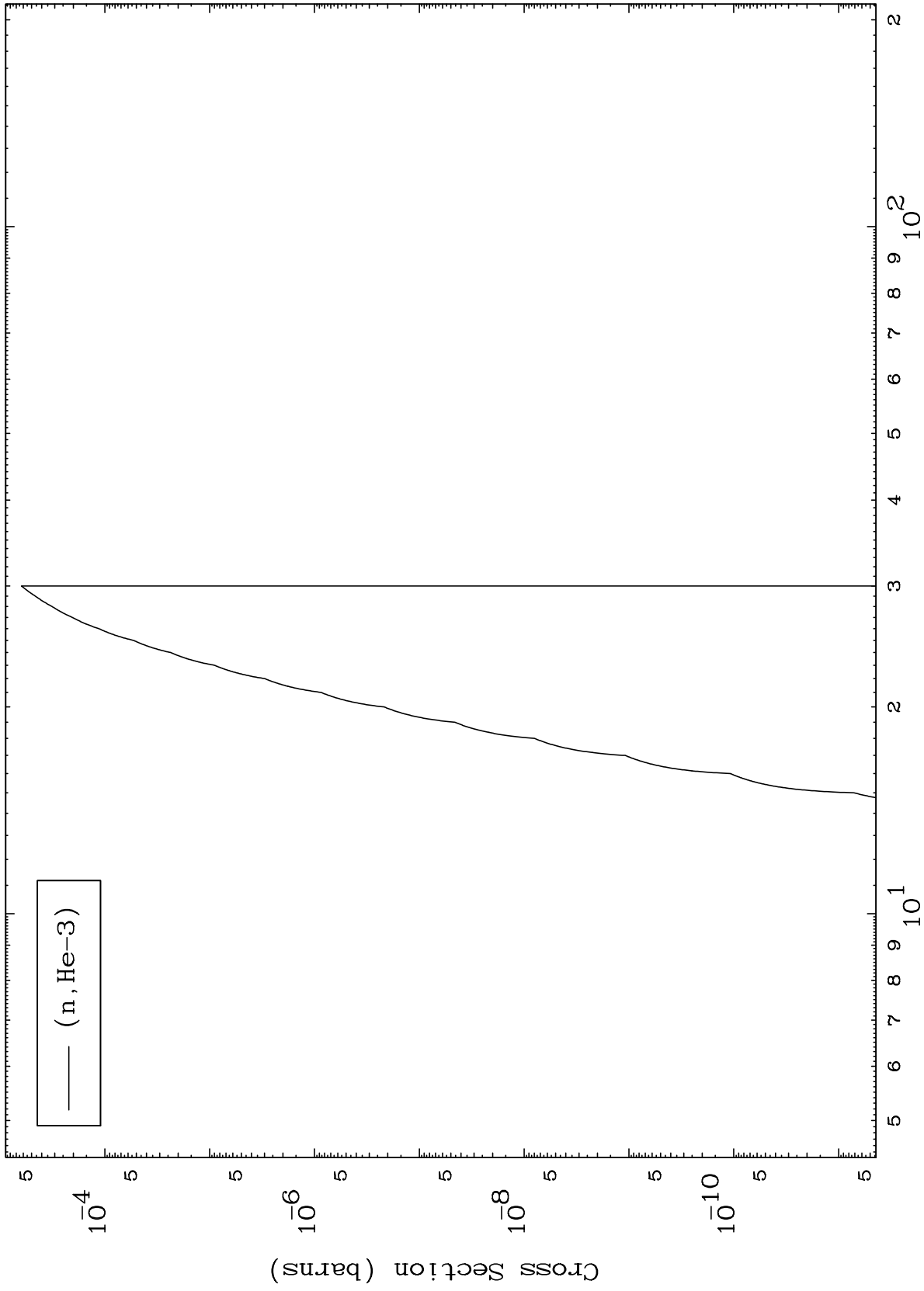
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-170



13

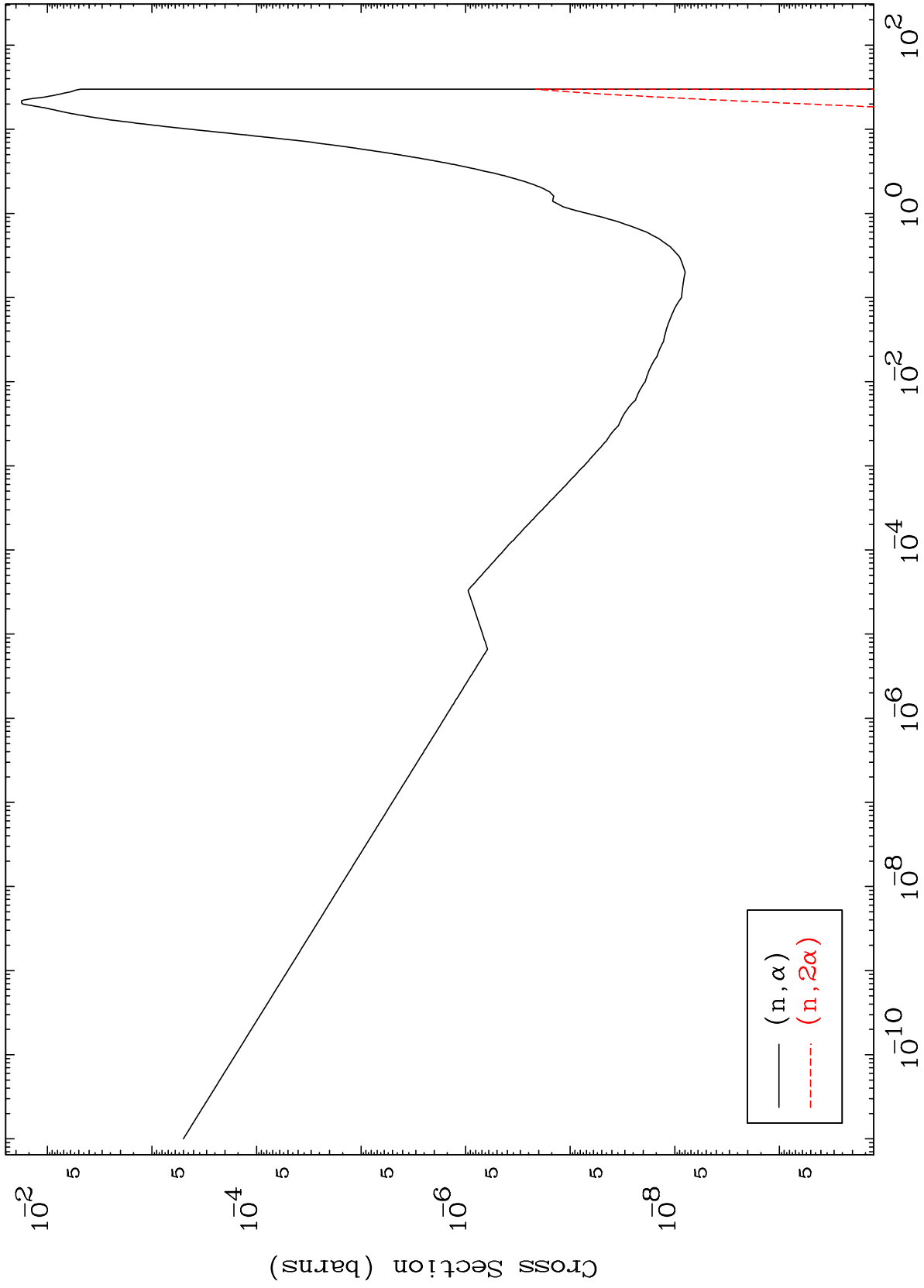
Incident Energy (MeV)

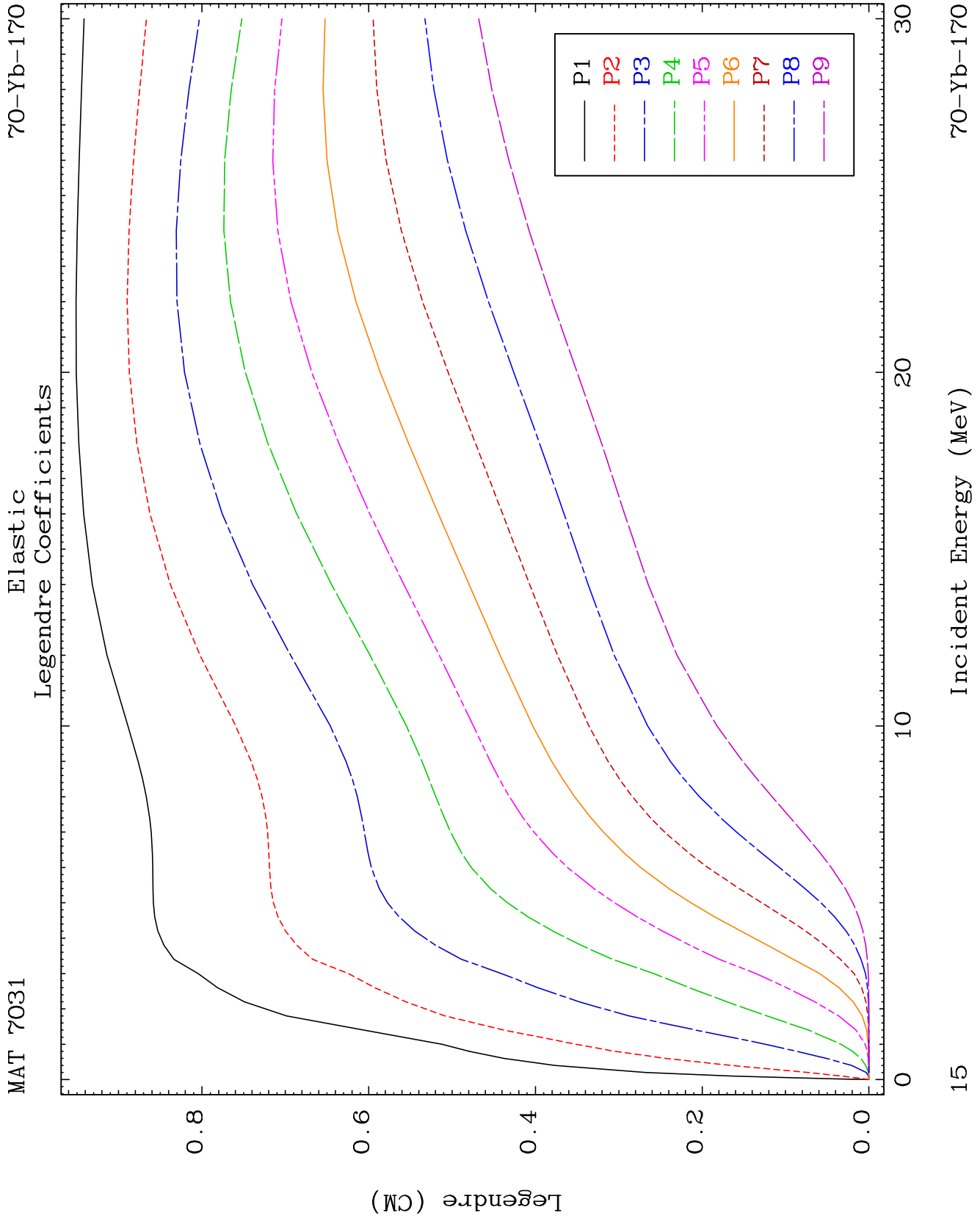
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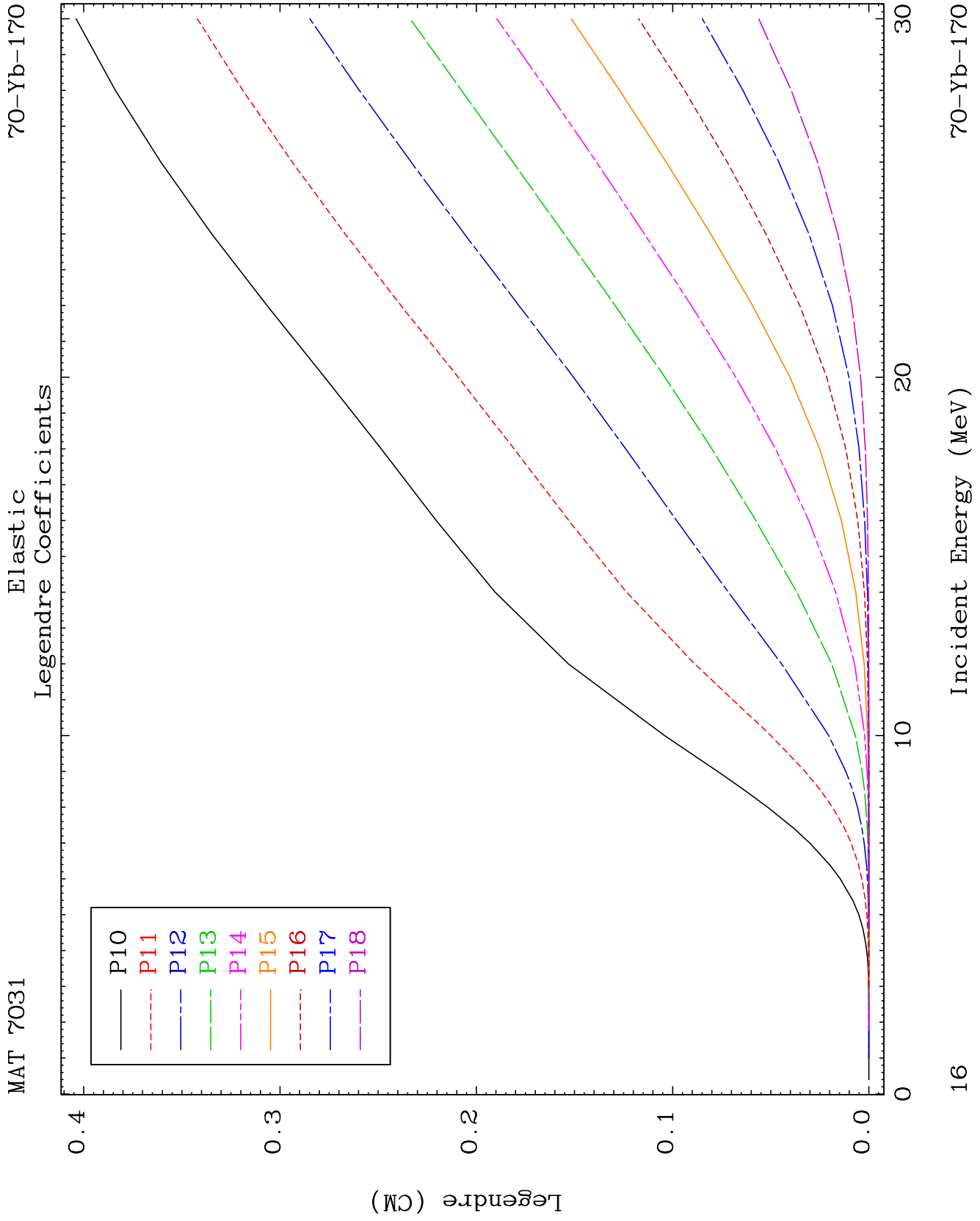
MAT 7031

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

70-Yb-170



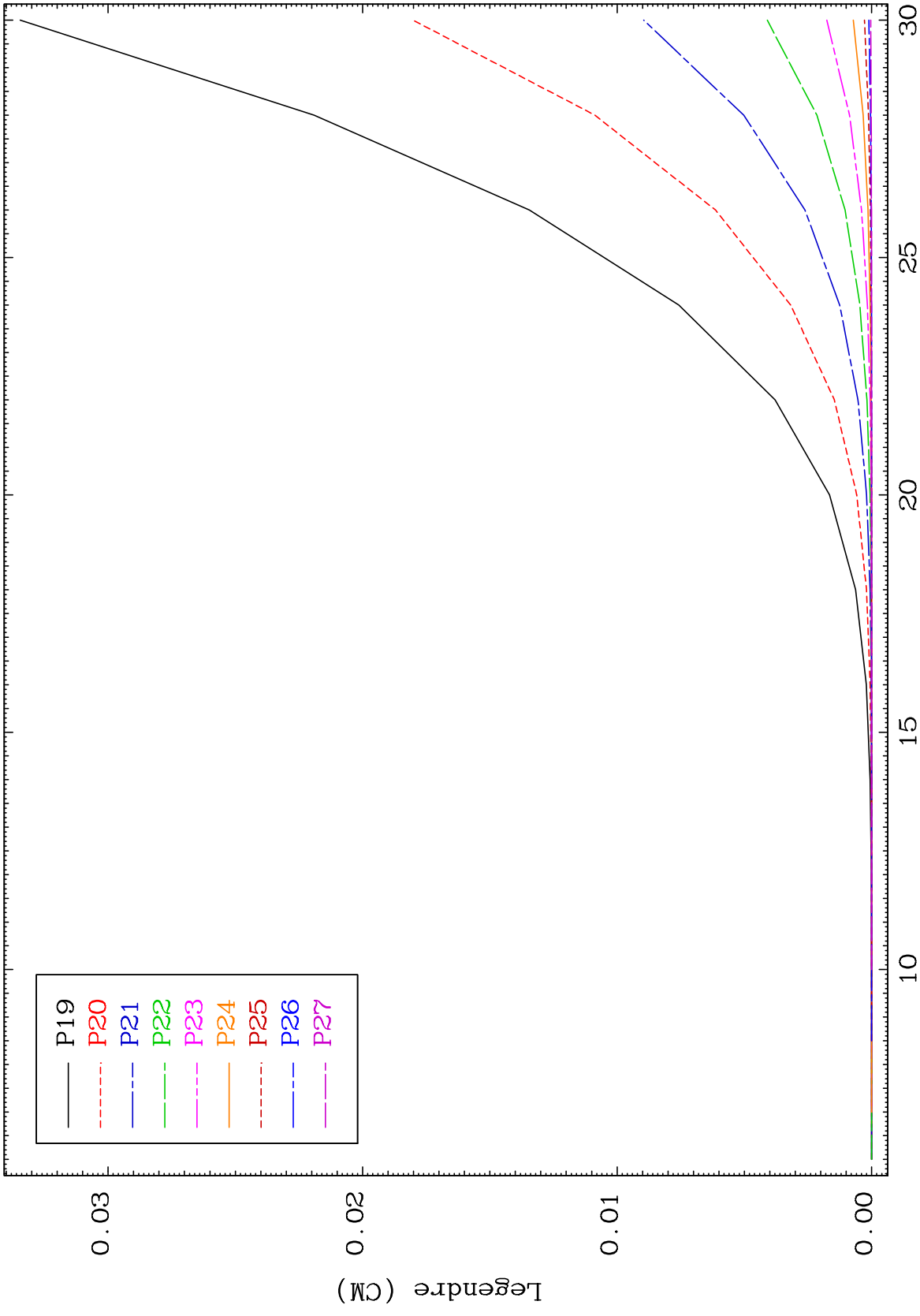




MAT 7031

Elastic Legendre Coefficients

70-Yb-170



17

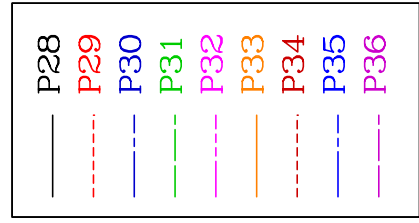
Incident Energy (MeV)

70-Yb-170

MAT 7031

Elastic Legendre Coefficients

70-Yb-170



Legendre (CM)  $\times 10^{-5}$

10

15

20

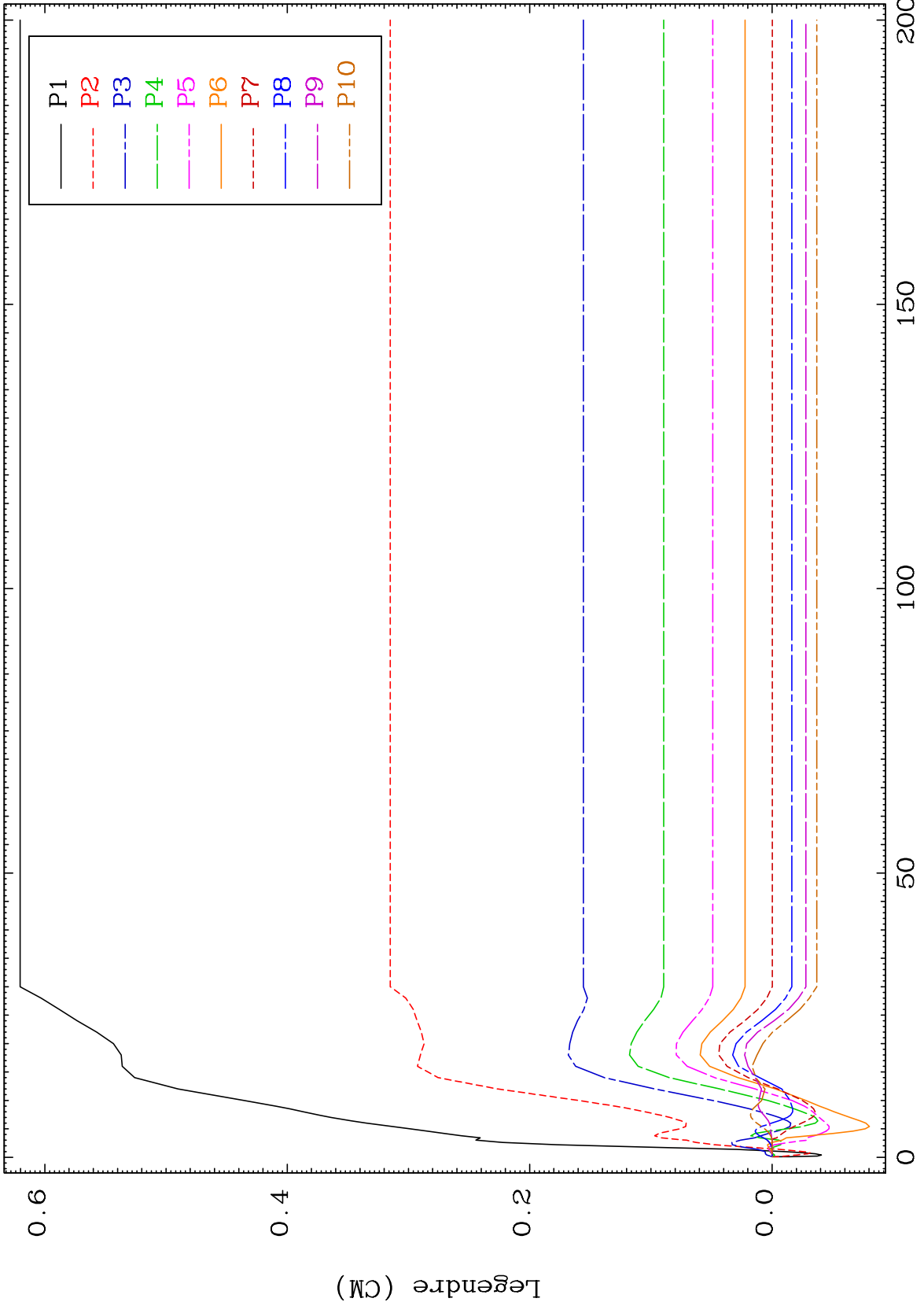
25

30

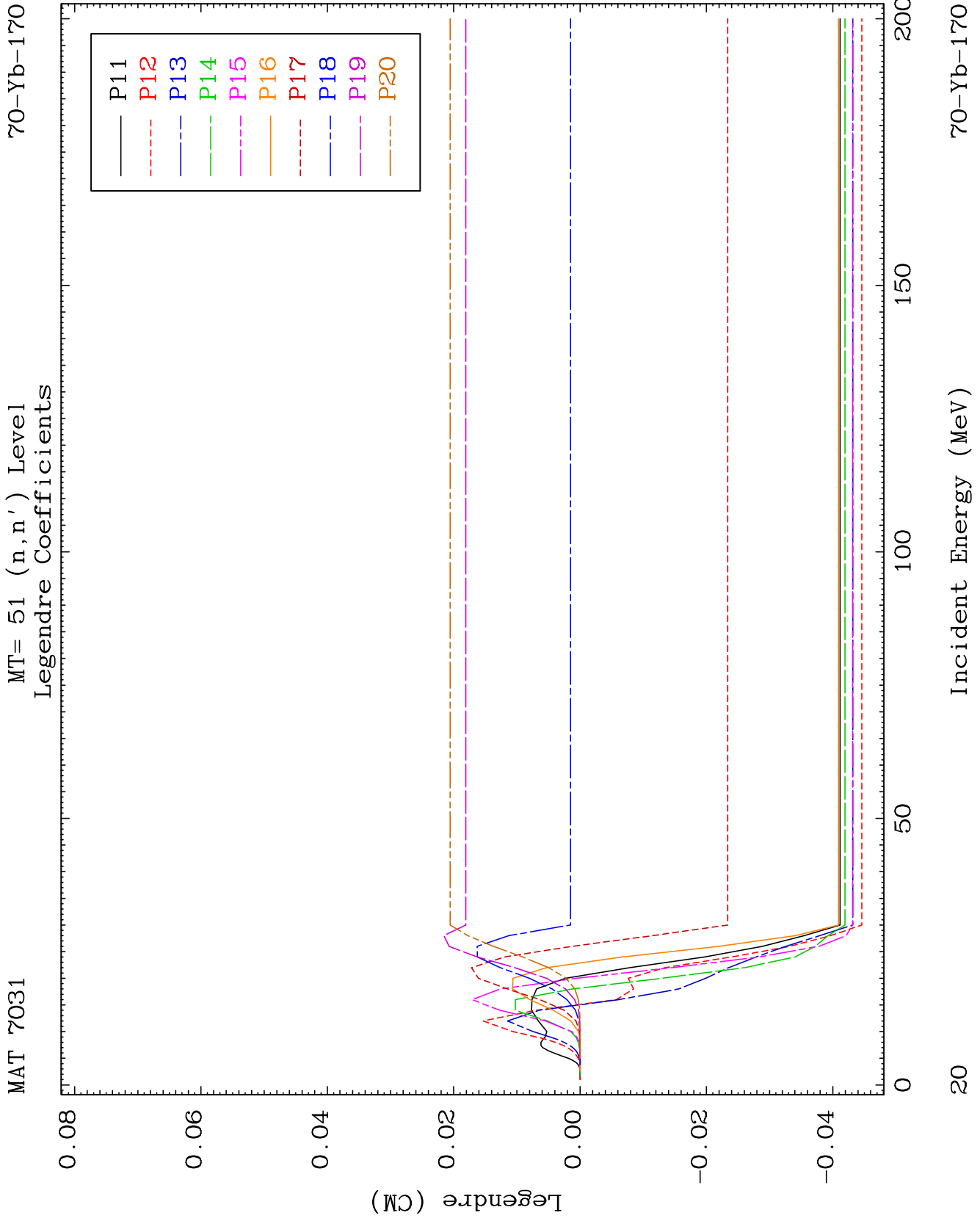
Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-170



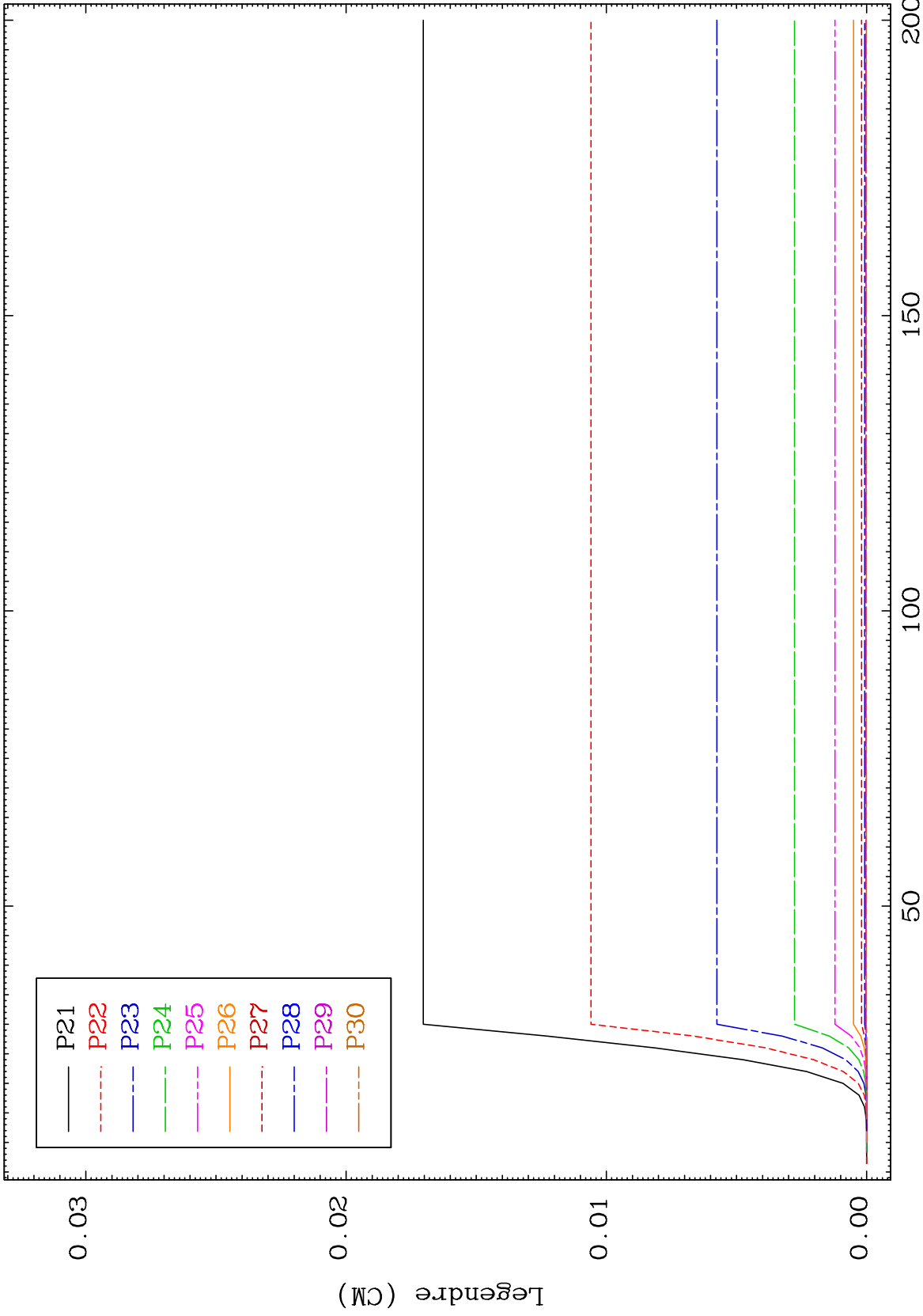
19 70-Yb-170



MAT 7031

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

70-Yb-170



21

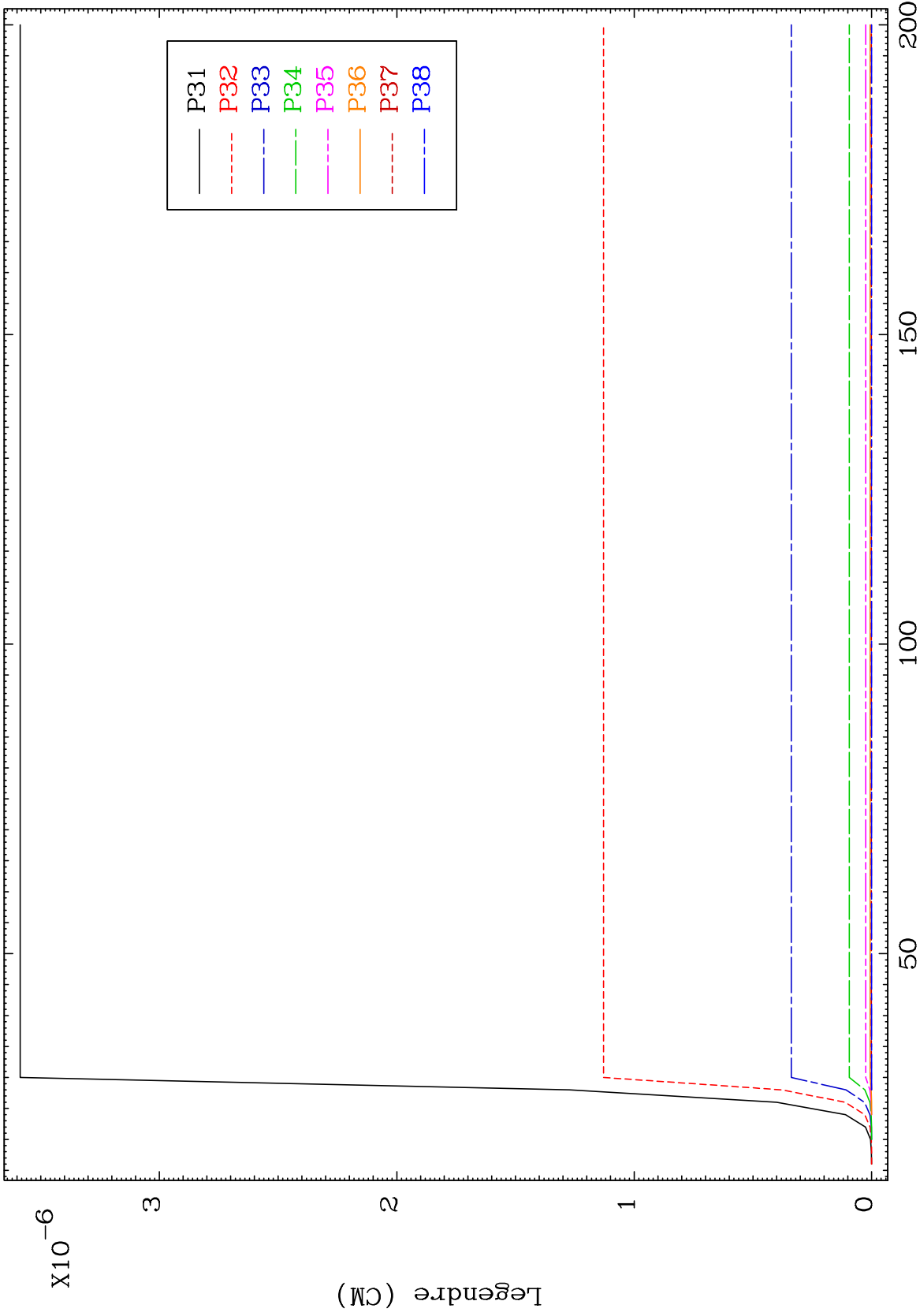
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



22

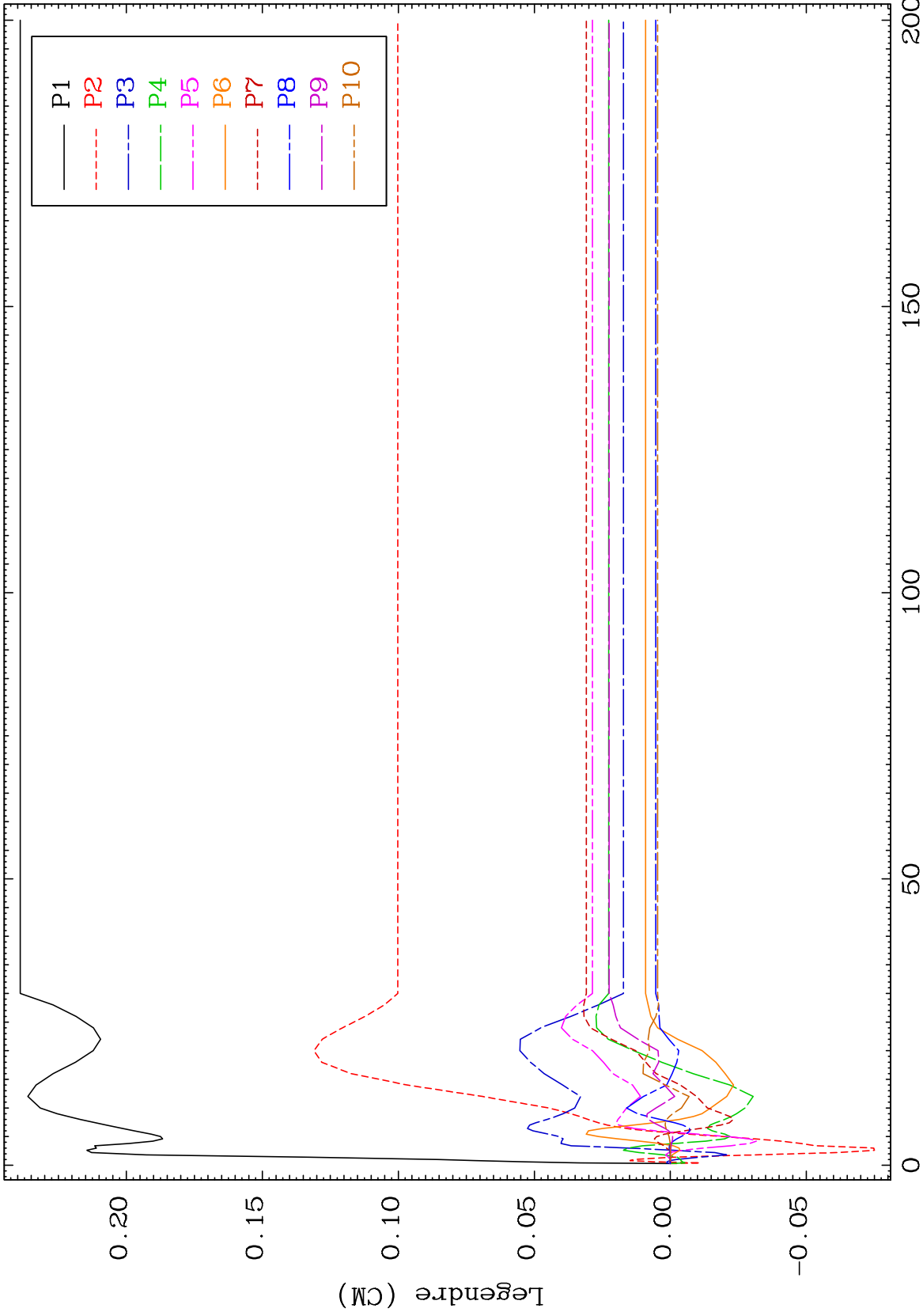
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



23

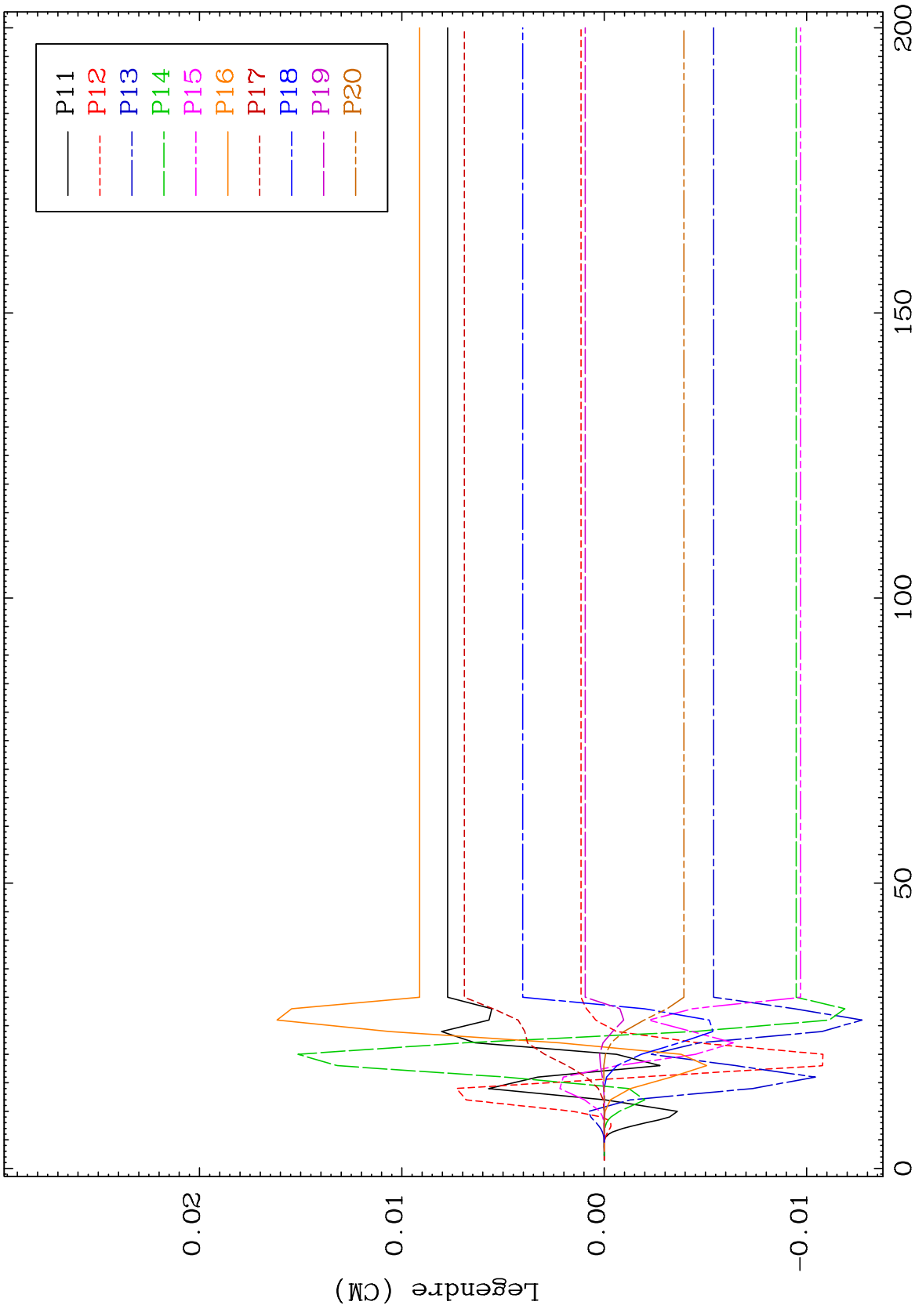
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170

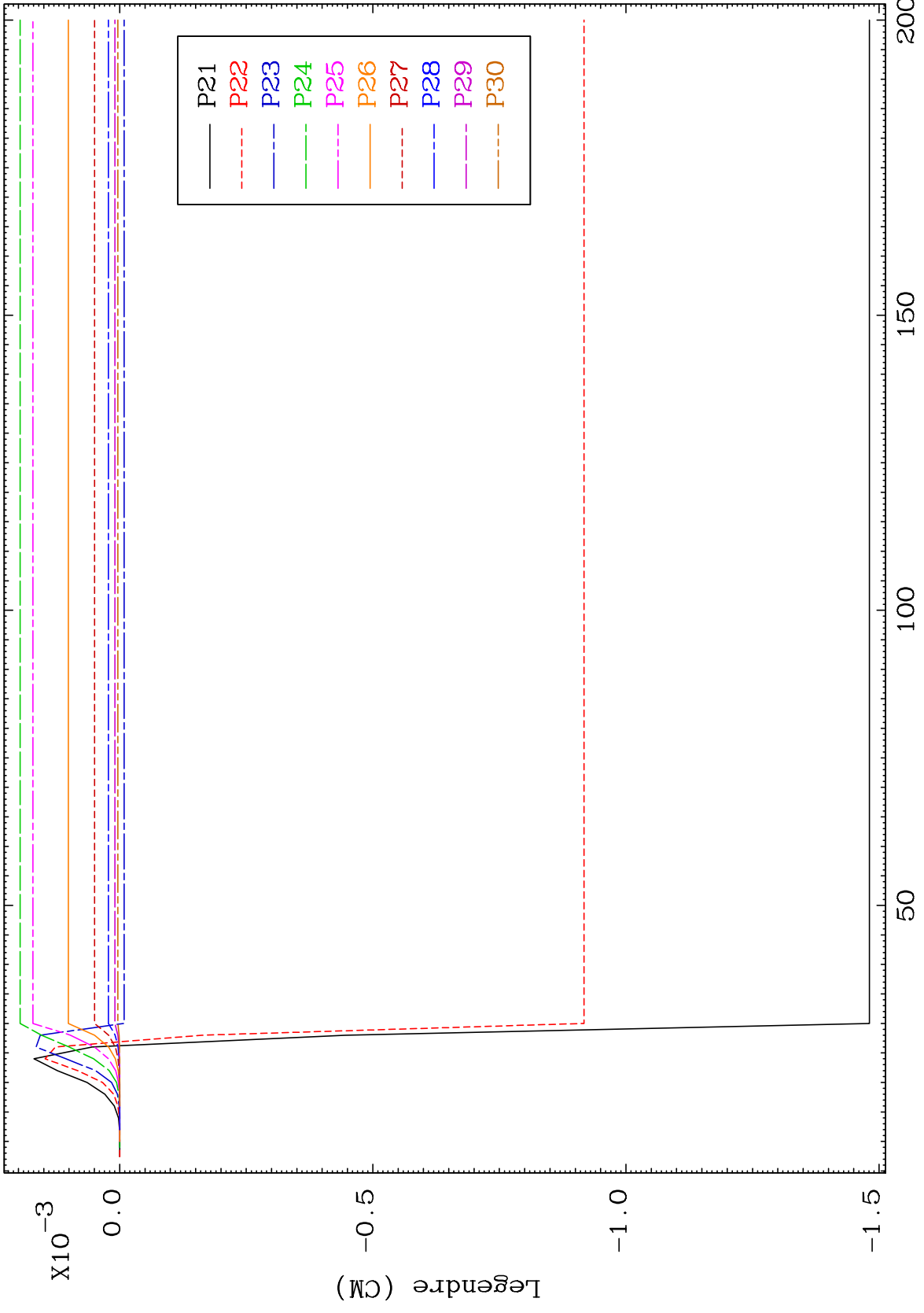


24

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-170

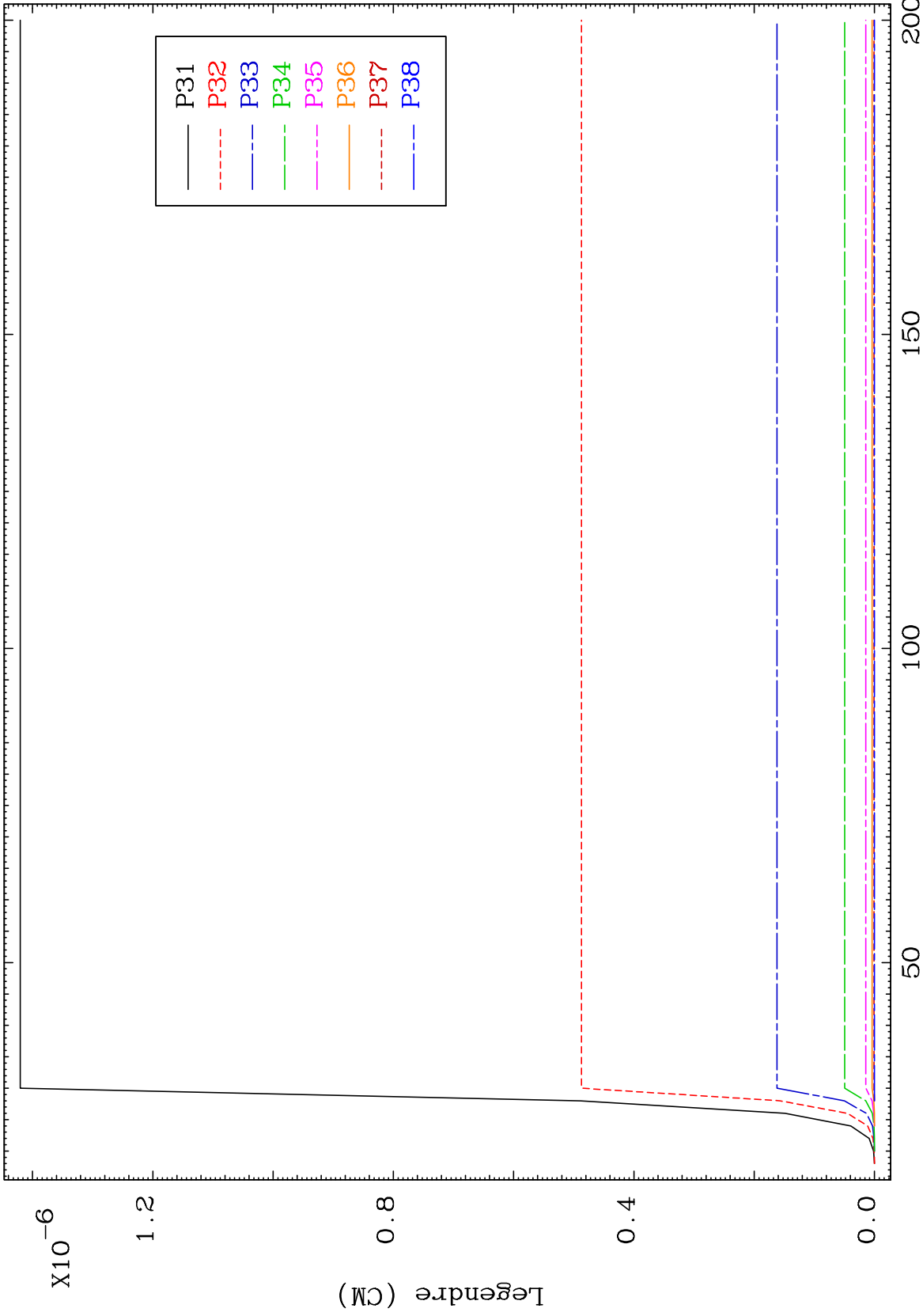


25 Incident Energy (MeV) 70-Yb-170

MAT 7031

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

70-Yb-170



26

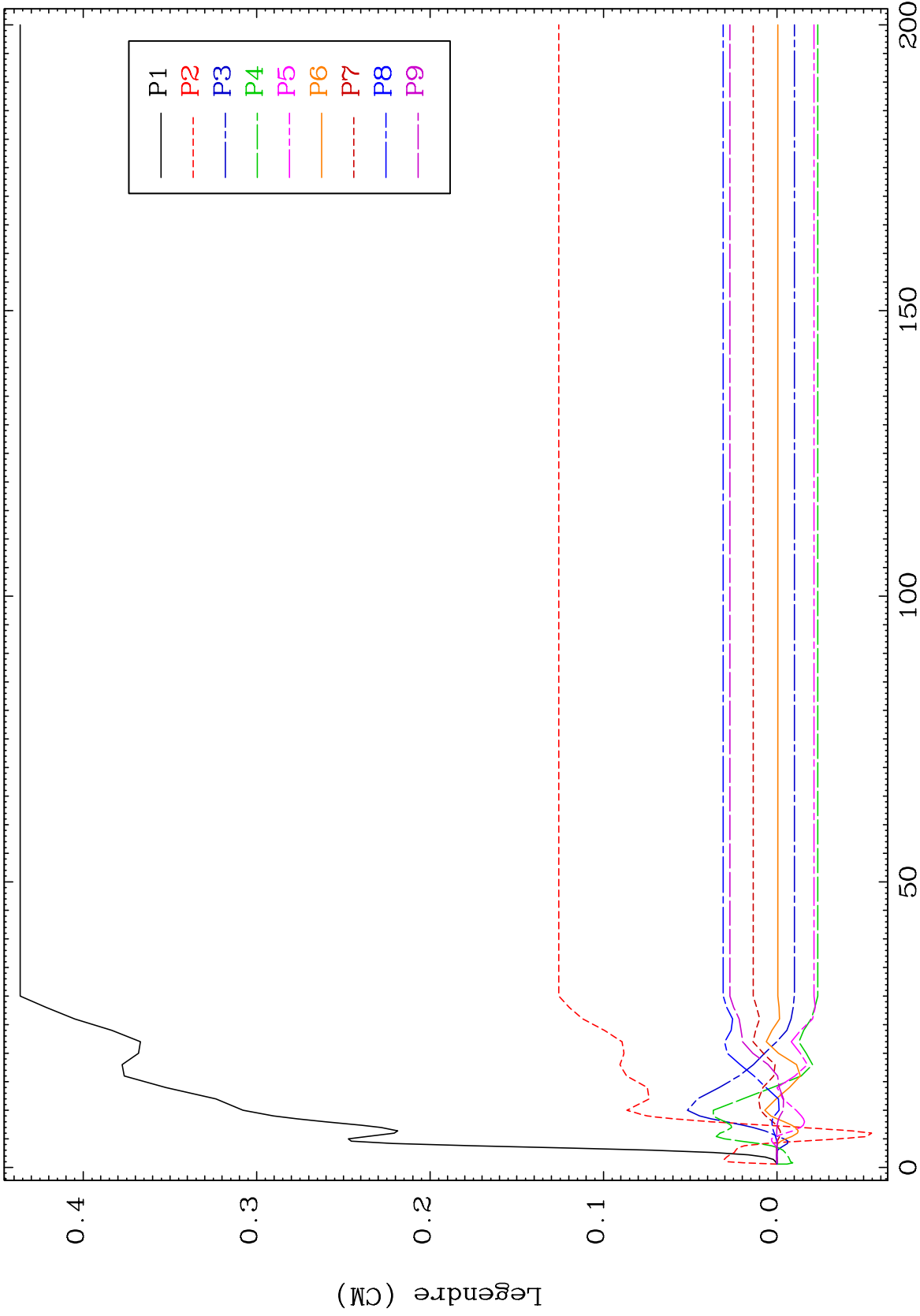
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170

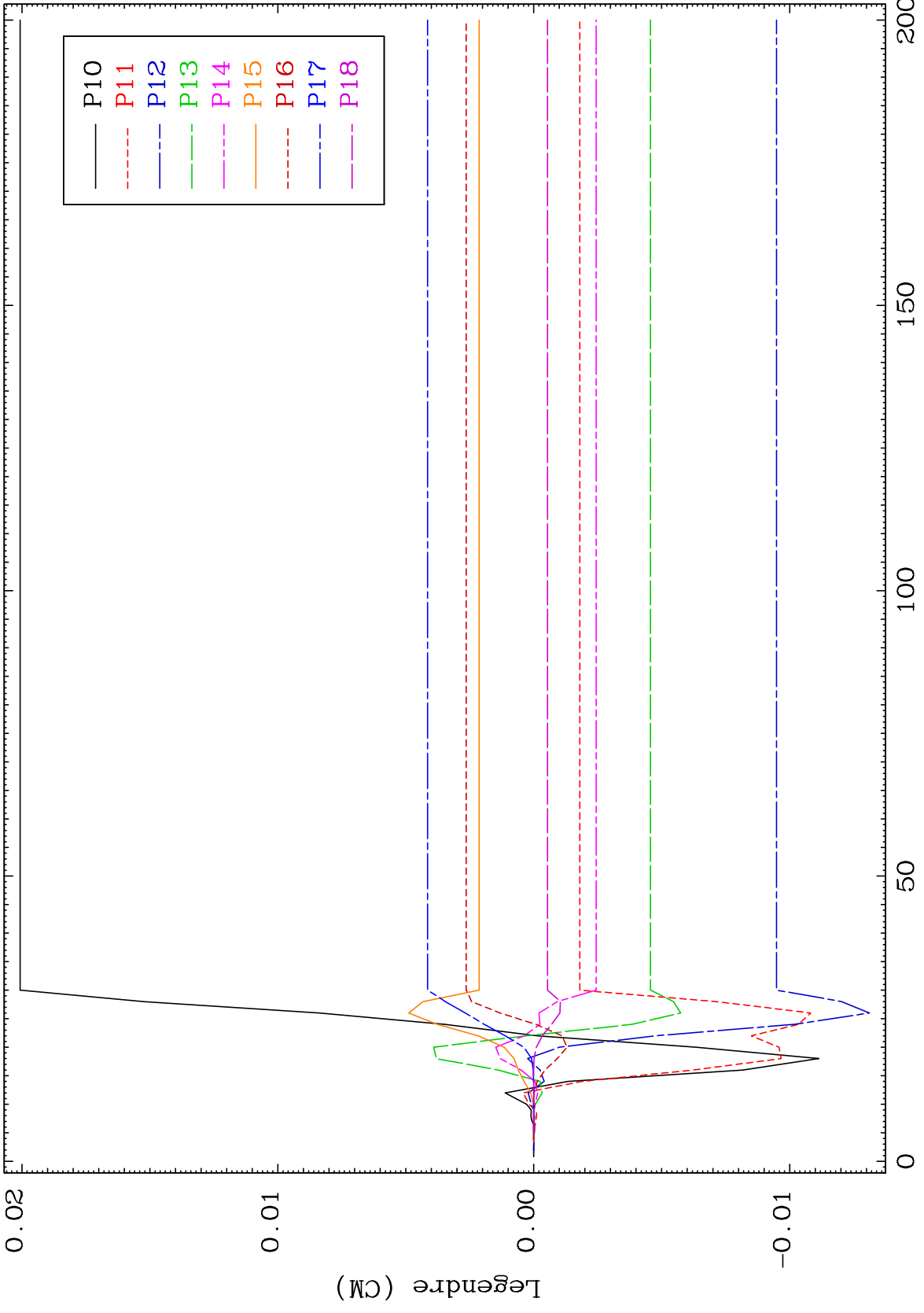


27

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-170

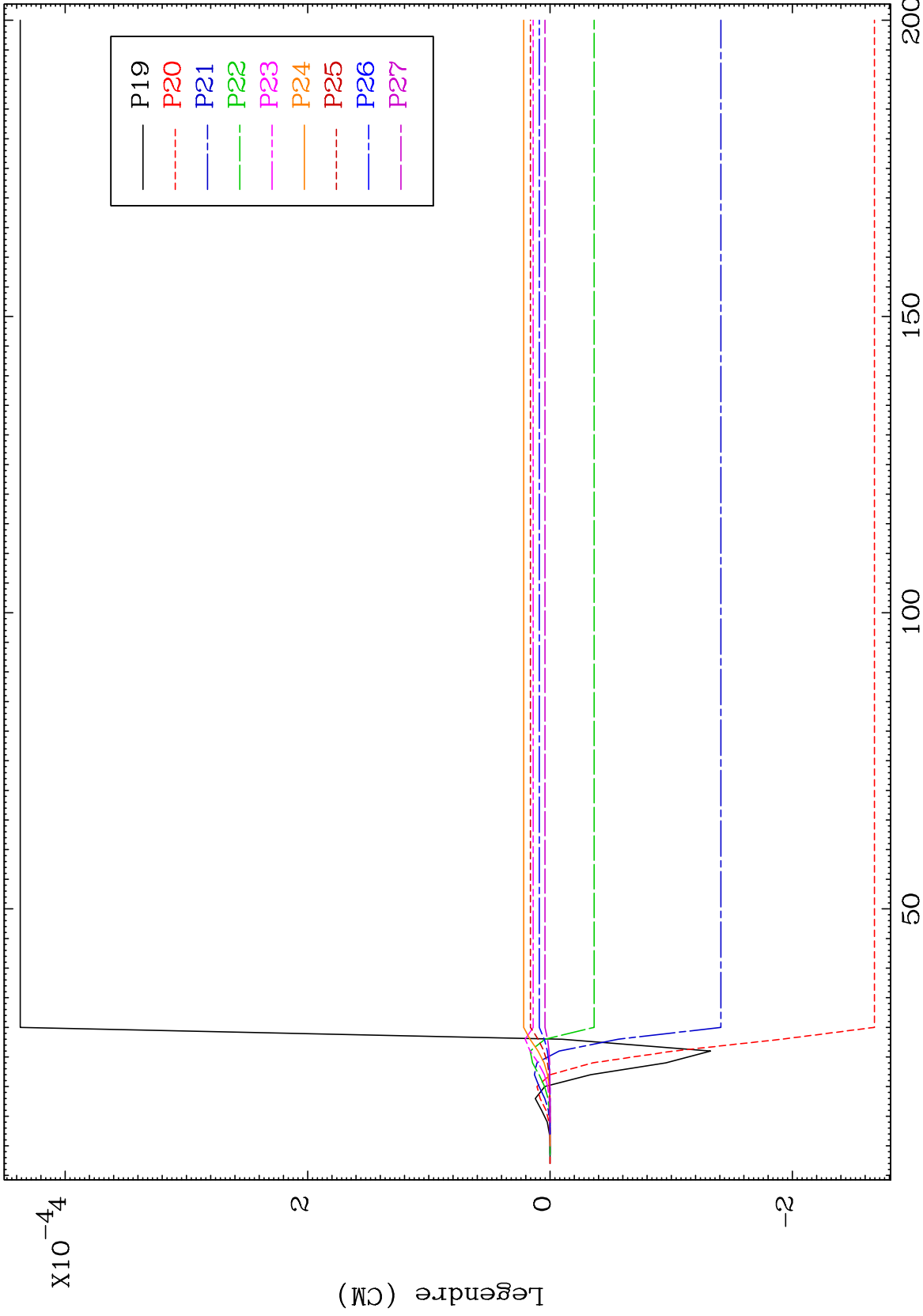


28 70-Yb-170

MAT 7031

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

70-Yb-170

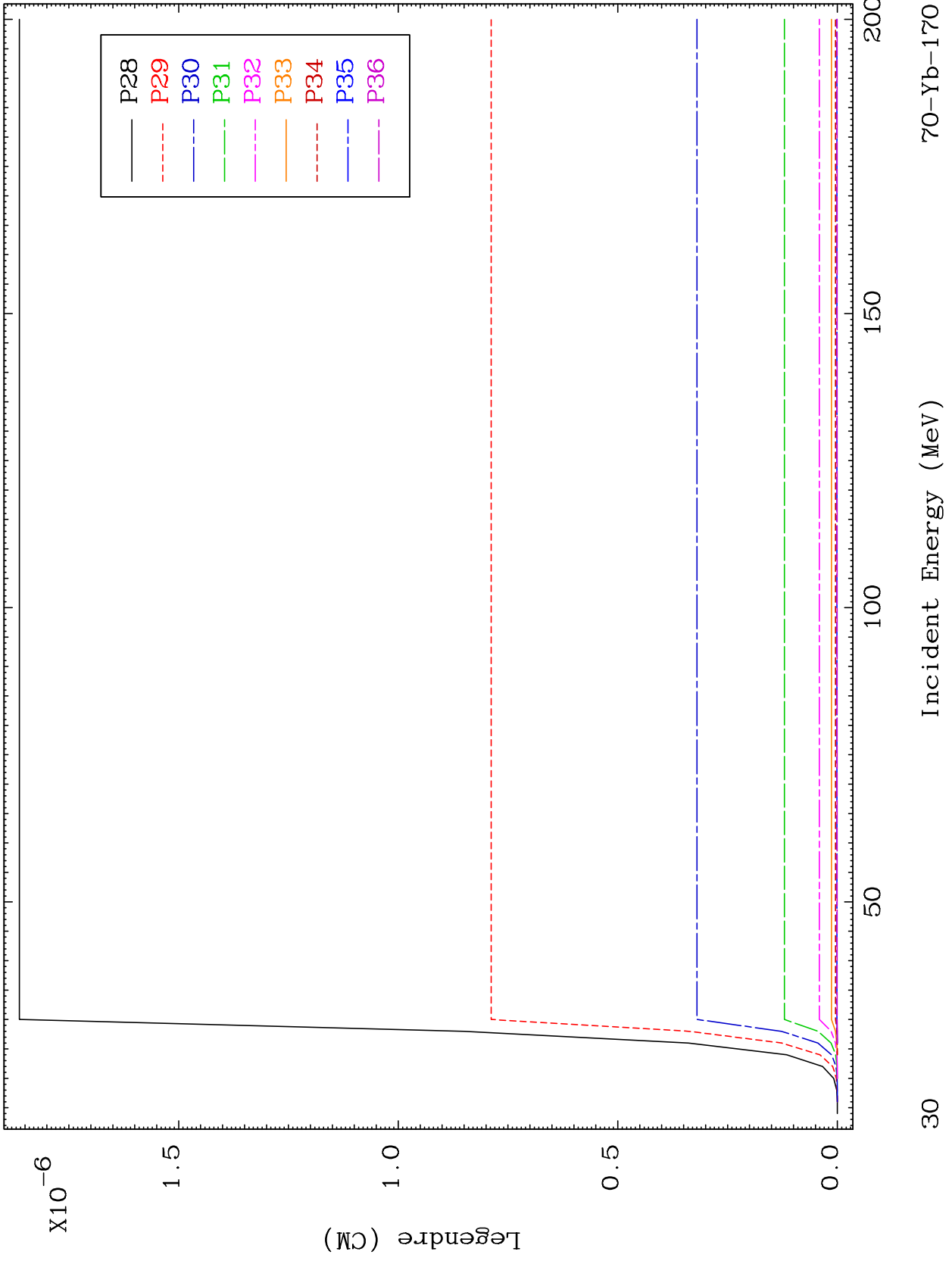


29

Incident Energy (MeV)

70-Yb-170

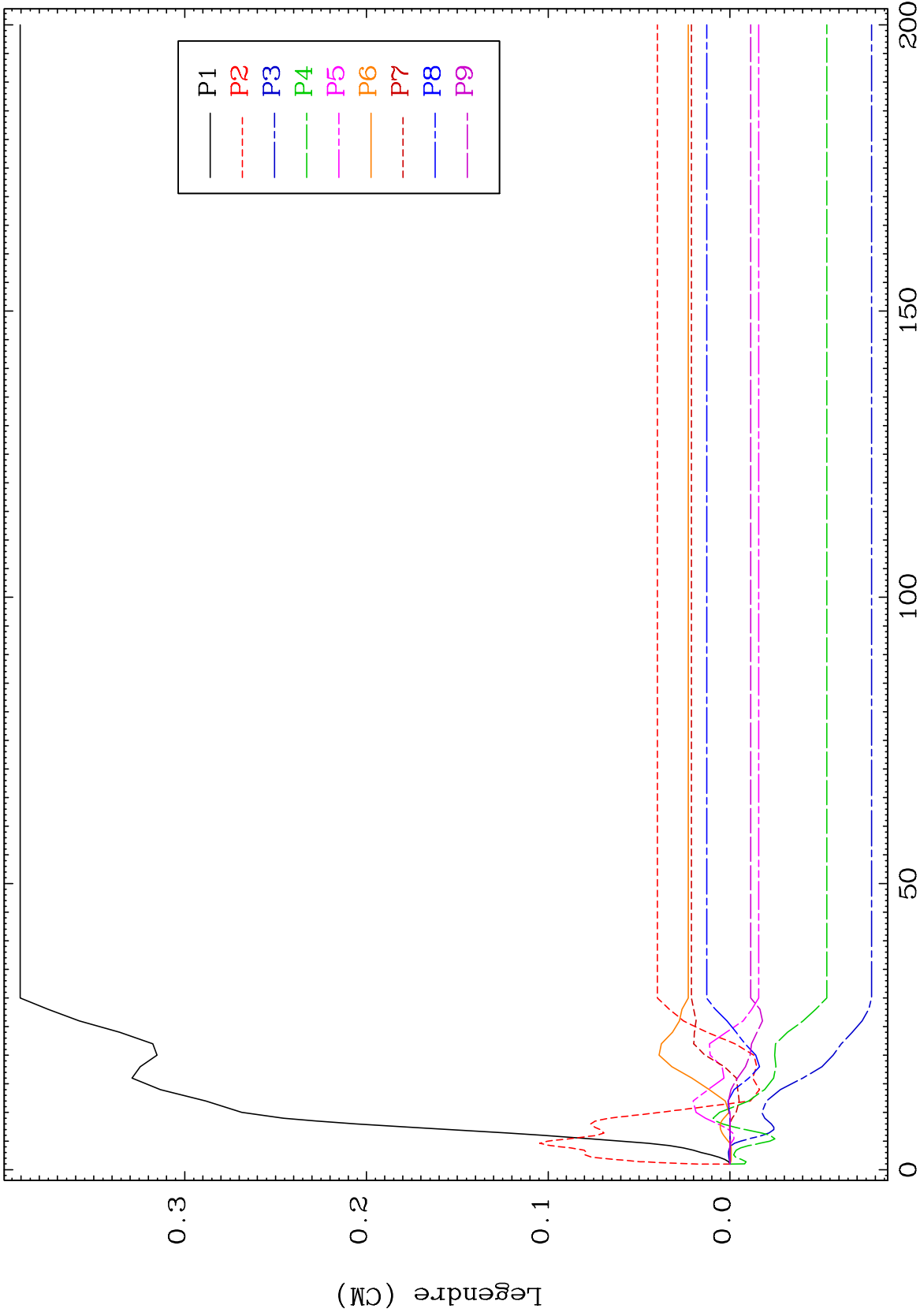
MAT 7031 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-170



MAT 7031

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

70-Yb-170

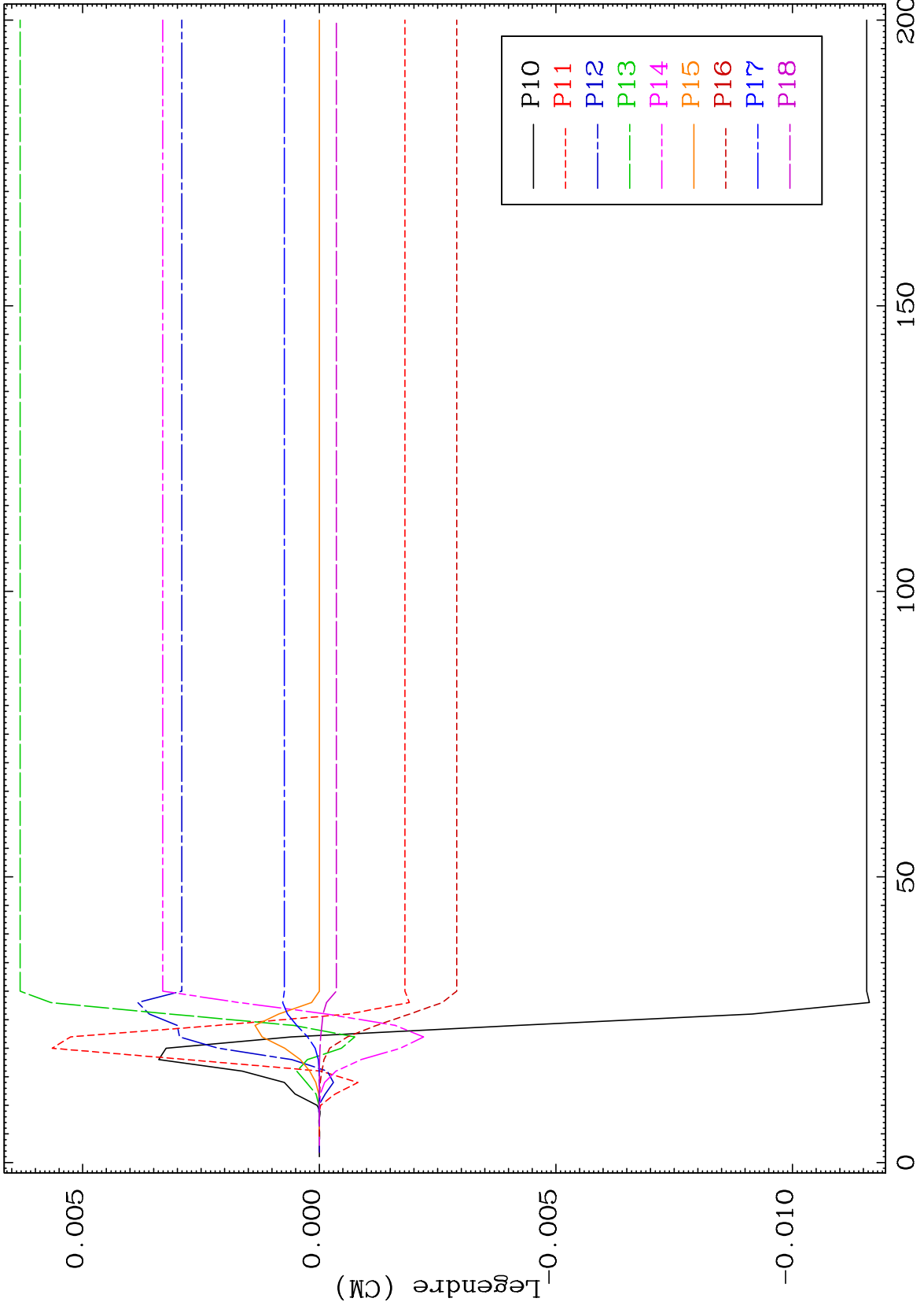


31

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-170

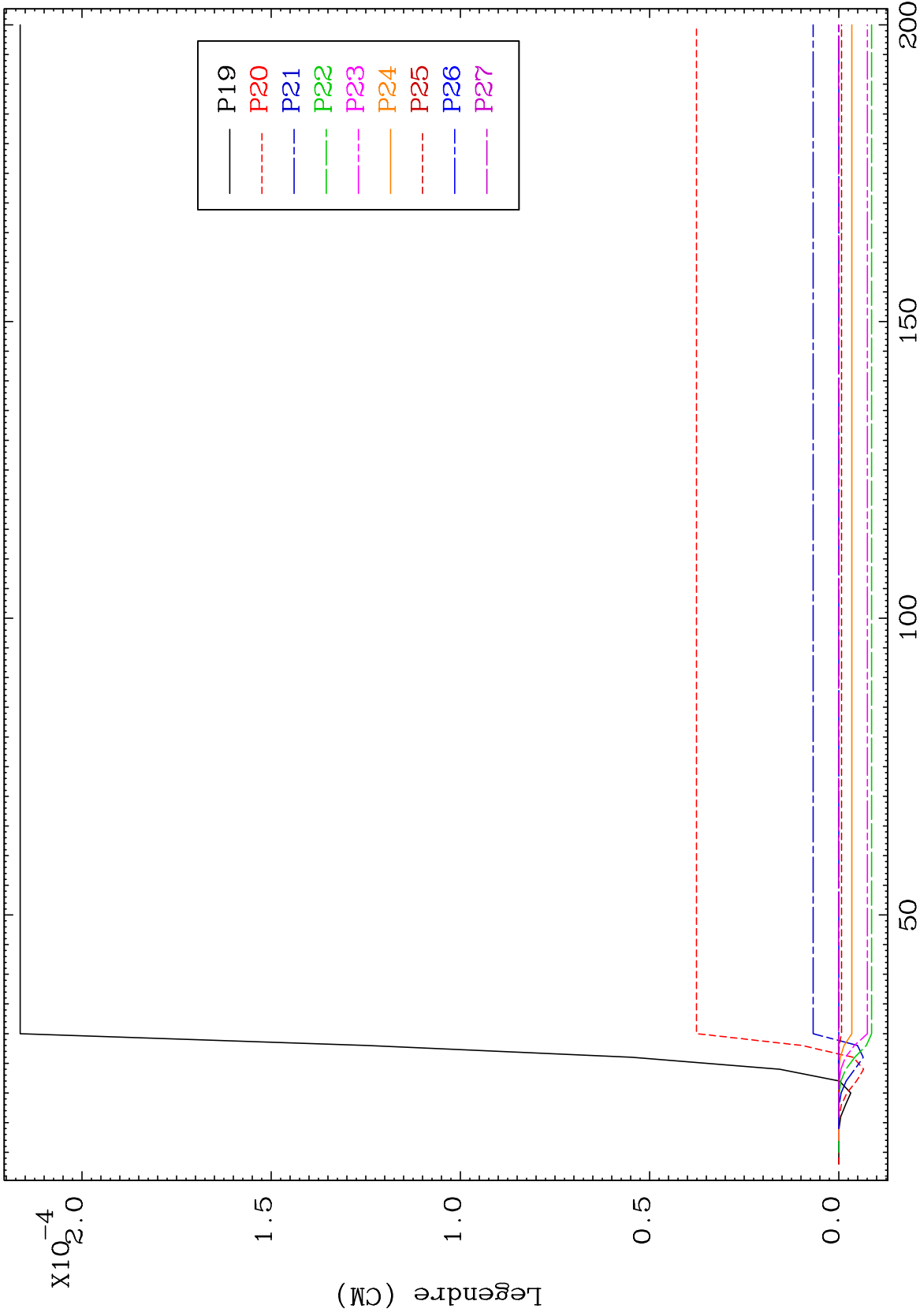


32 70-Yb-170

MAT 7031

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

70-Yb-170



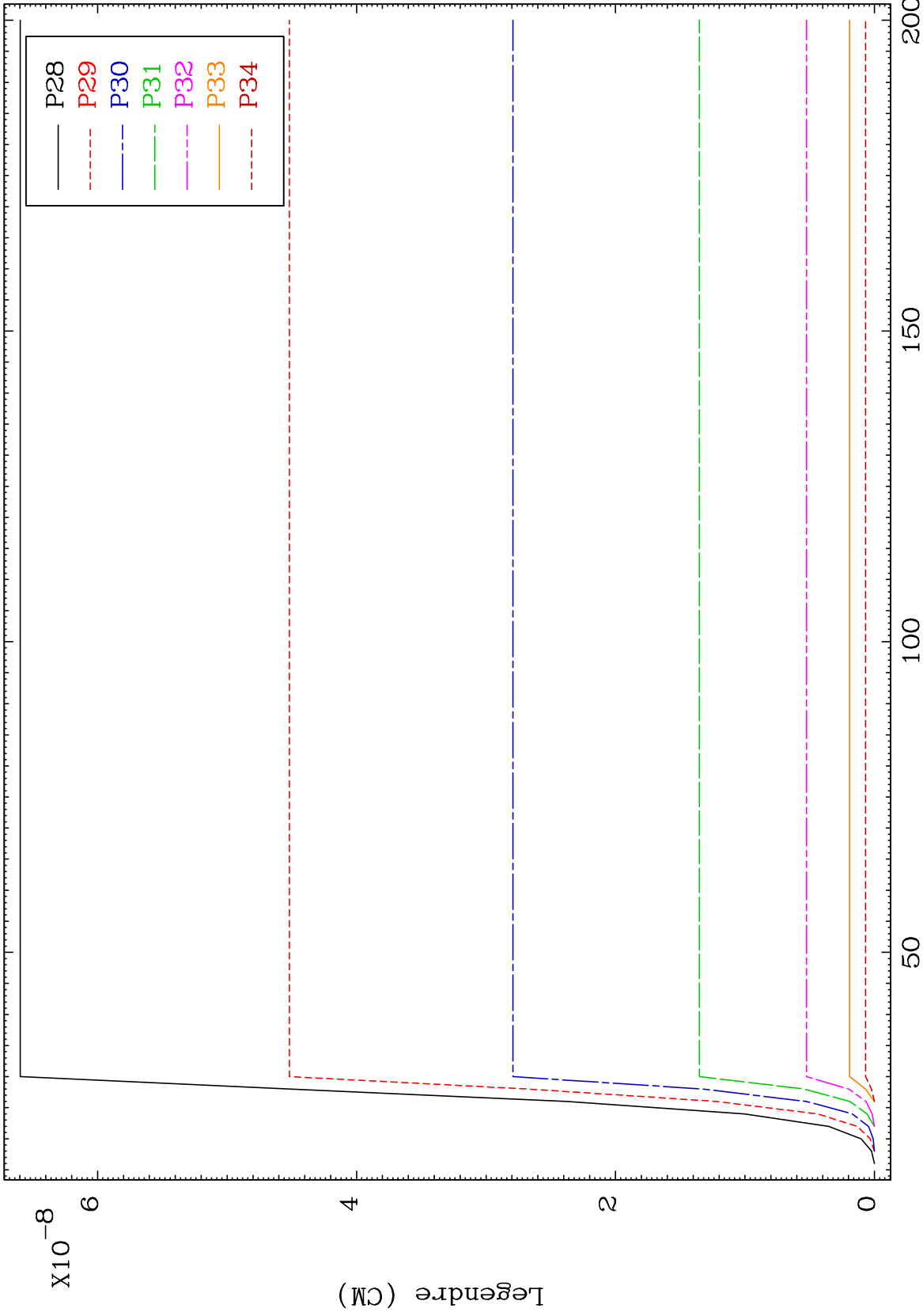
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70-Yb-170

MAT 7031

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

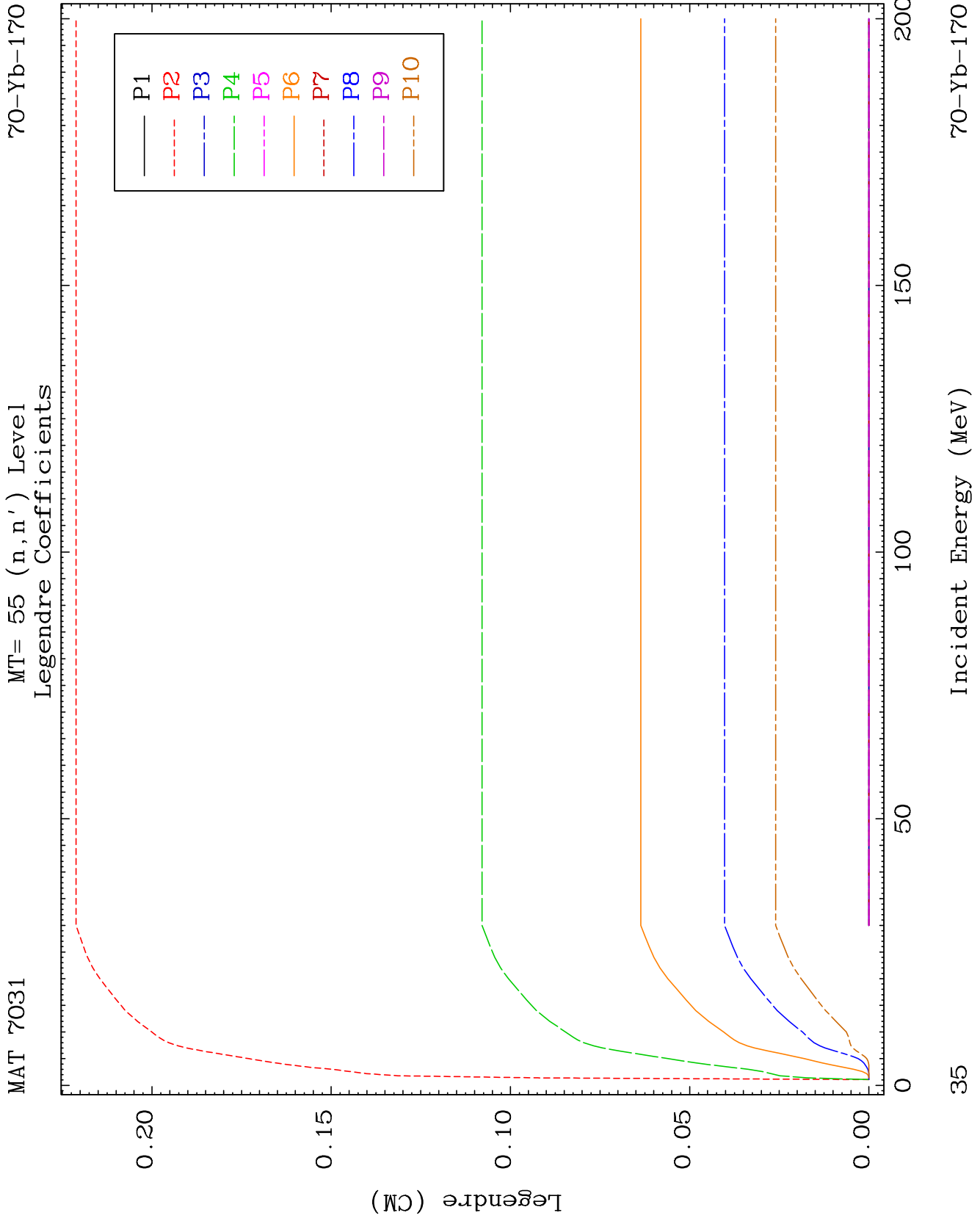
70-Yb-170



34

Incident Energy (MeV)

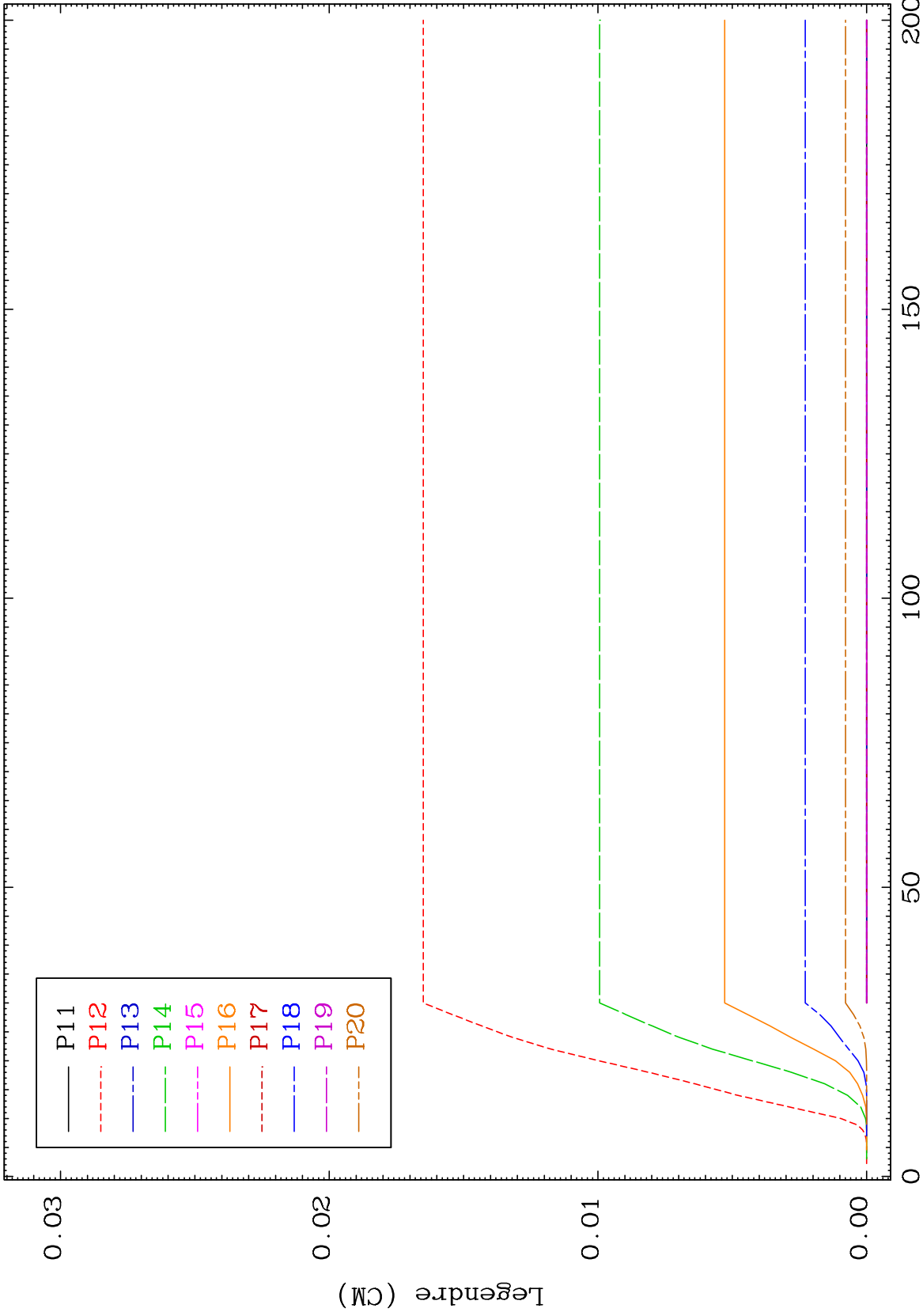
70-Yb-170



MAT 7031

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

70-Yb-170

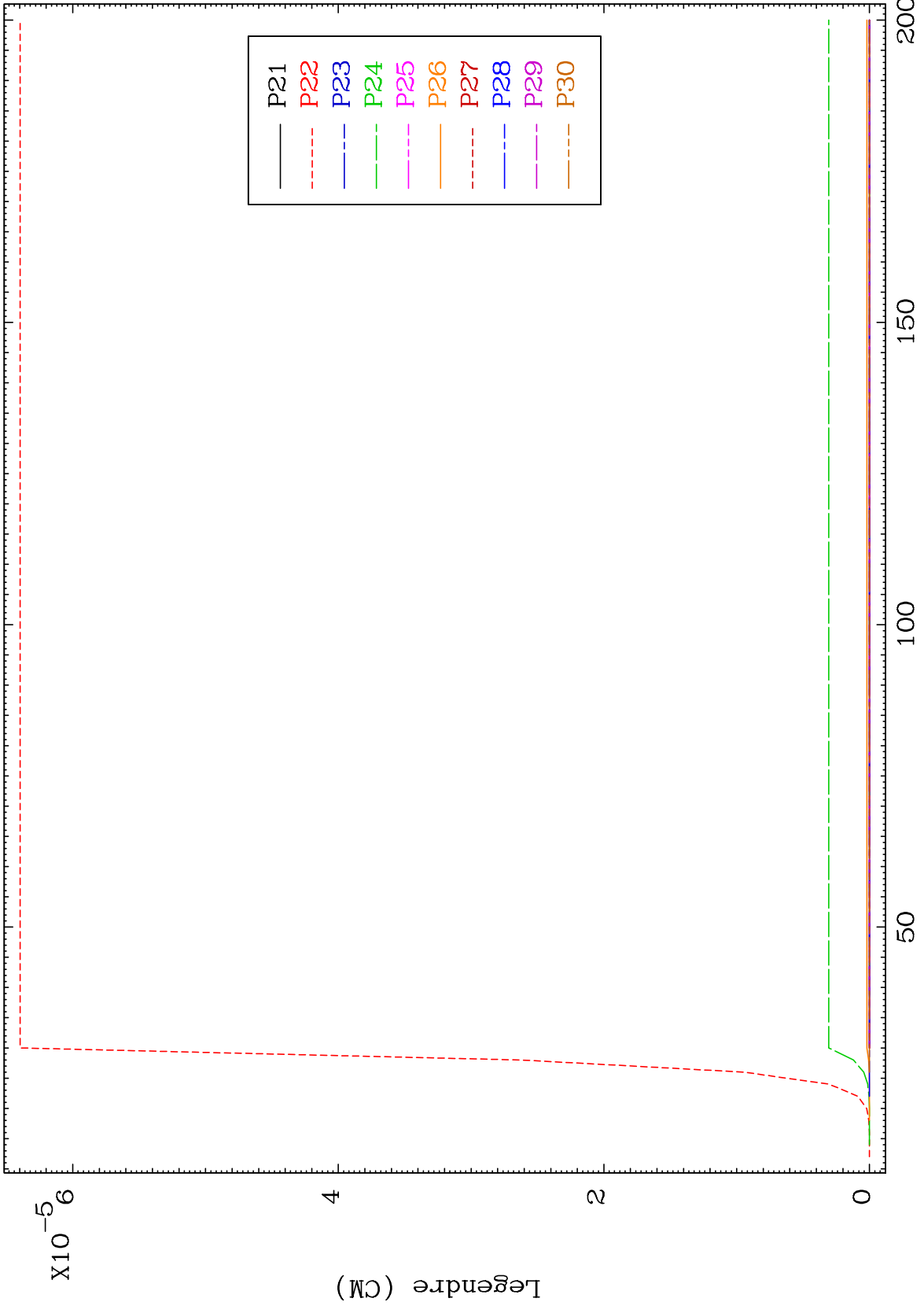


36

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-170

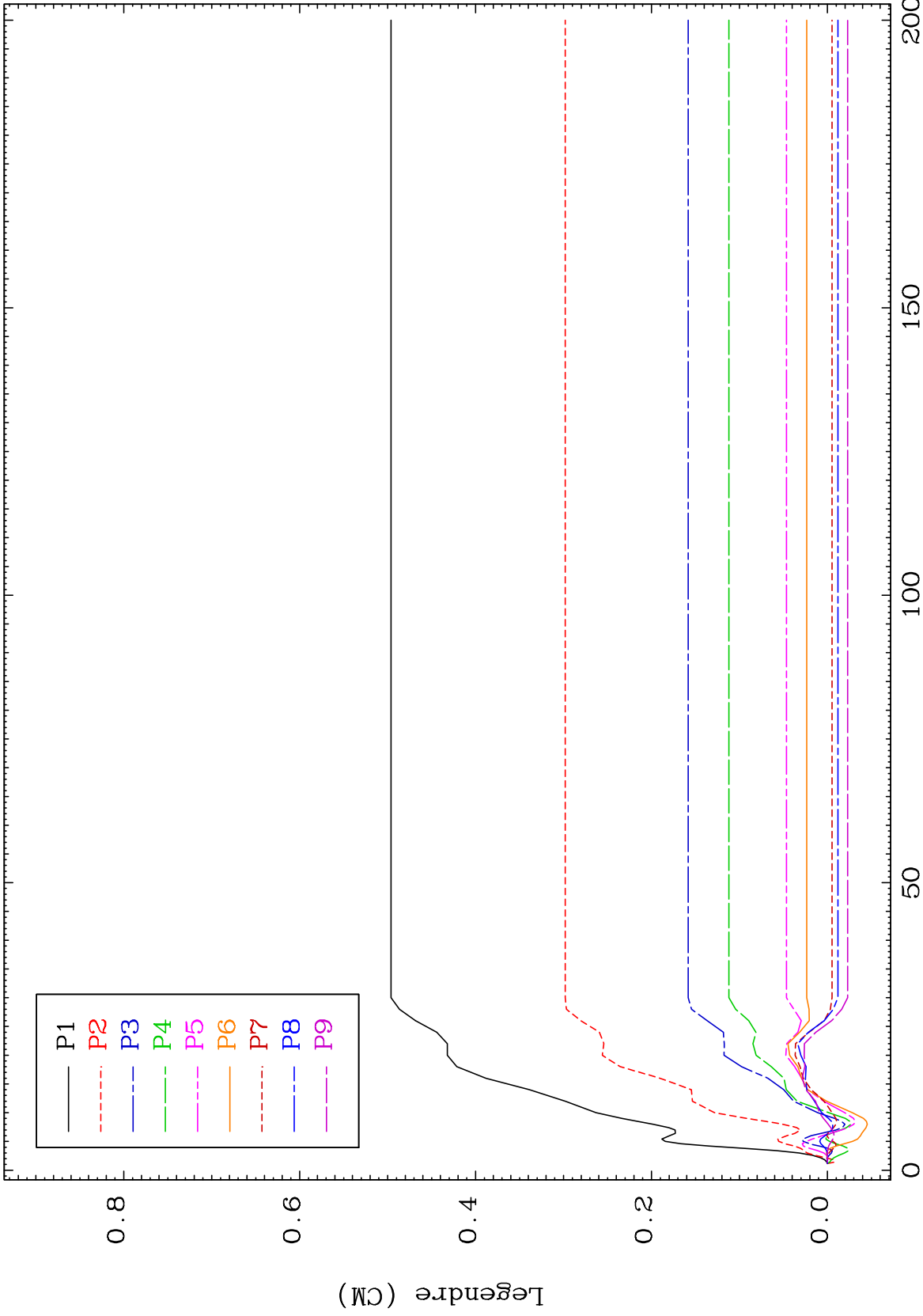


37 Incident Energy (MeV) 70-Yb-170

MAT 7031

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

70-Yb-170



38

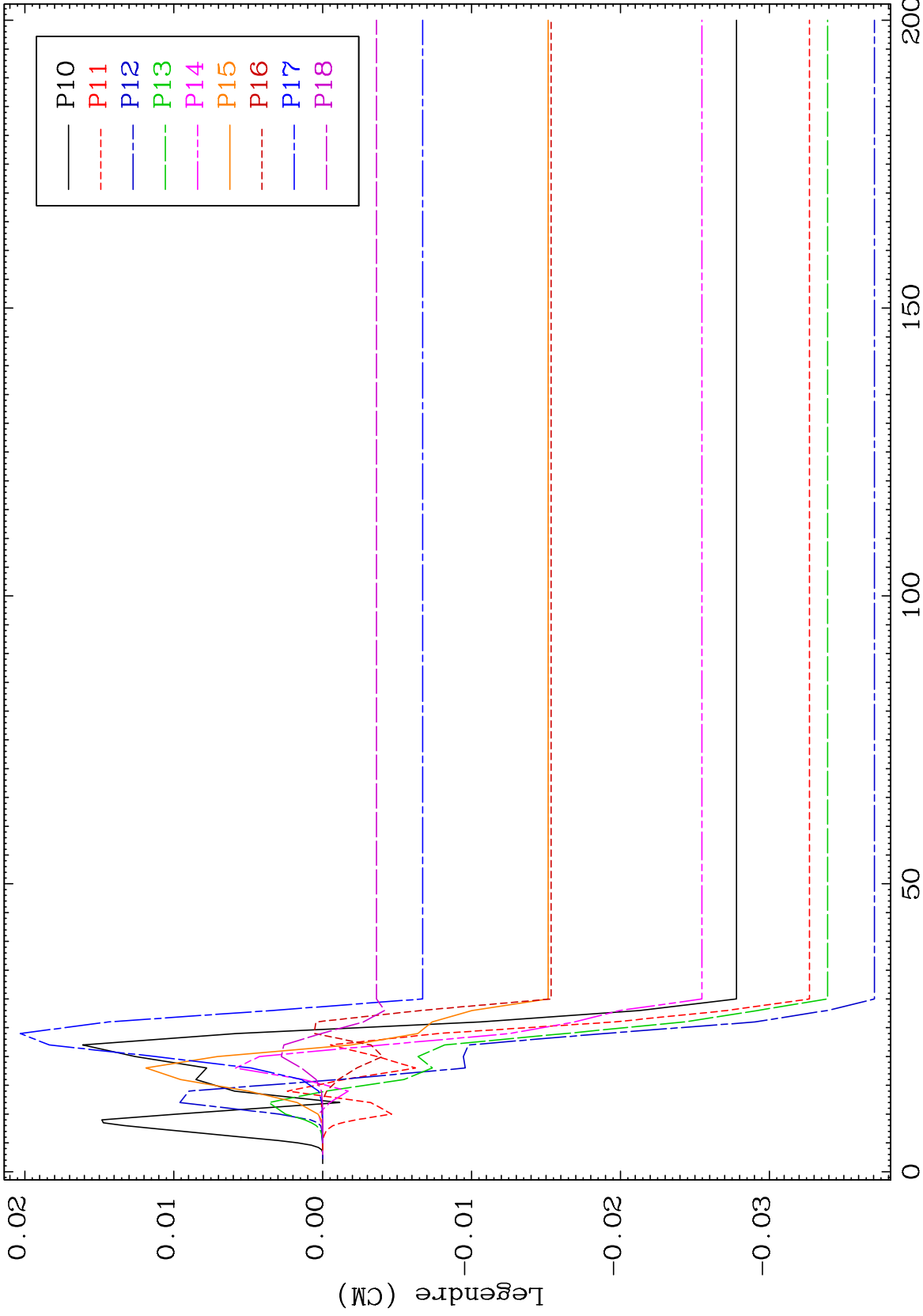
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



39

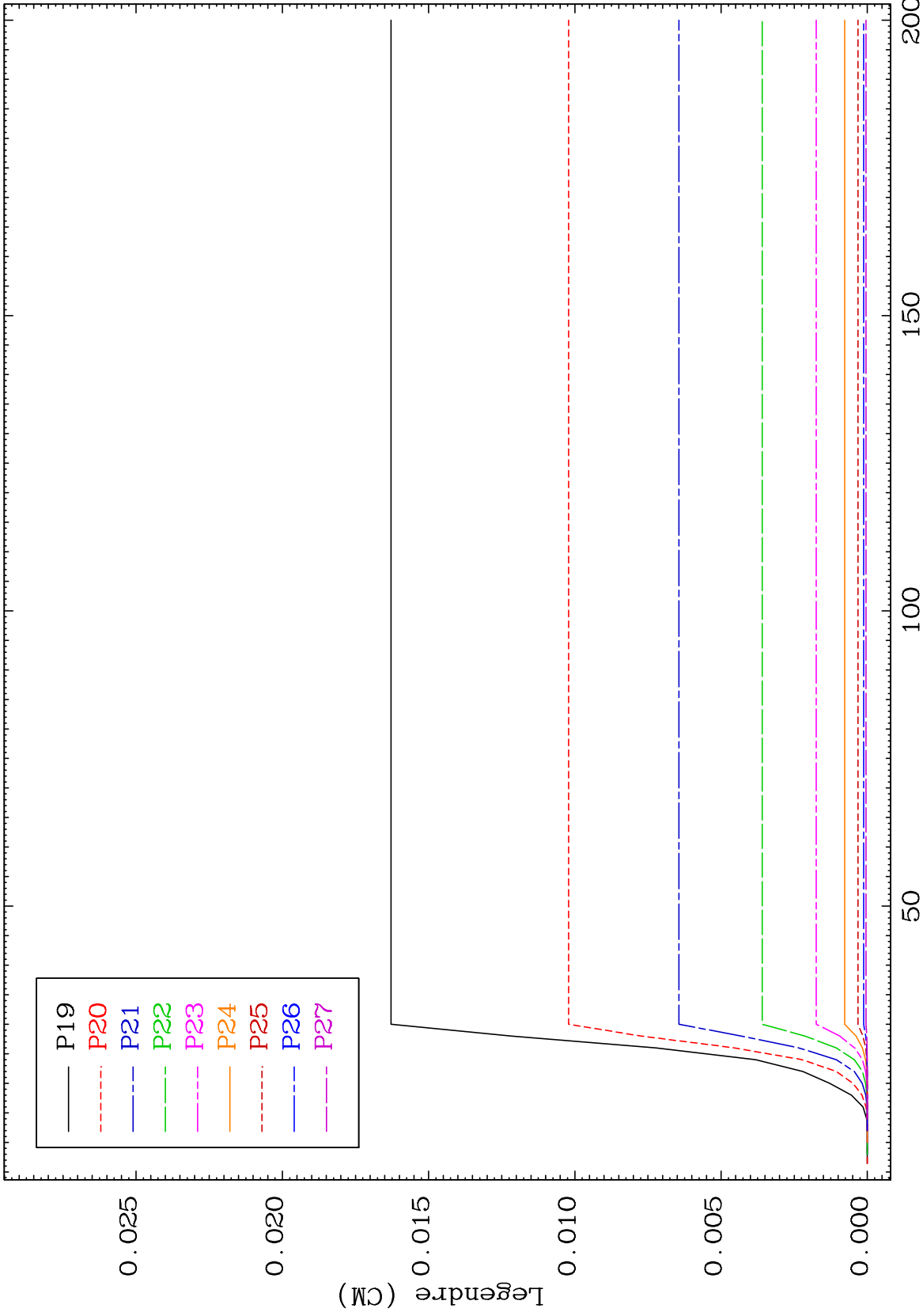
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



40

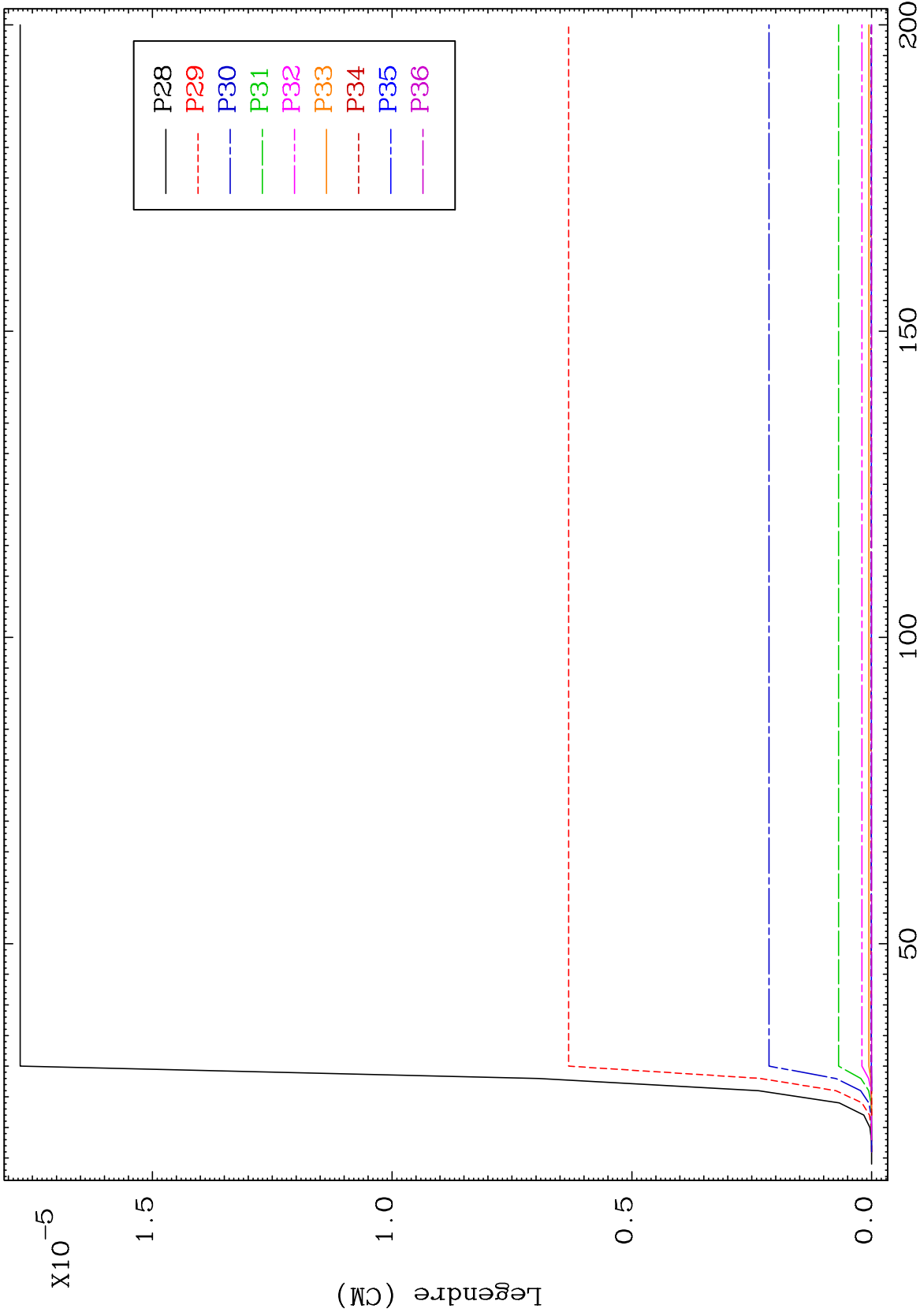
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



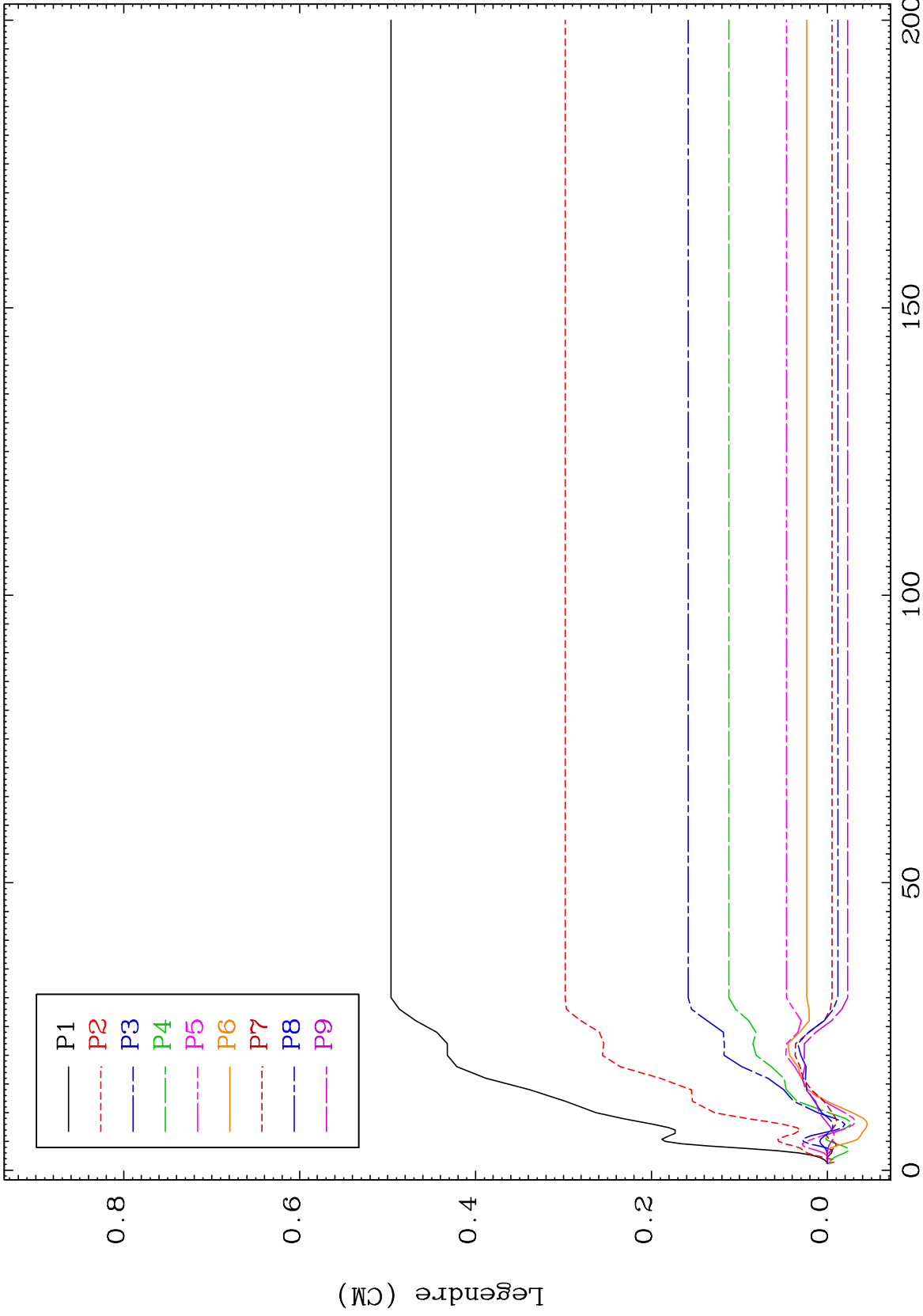
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70-Yb-170

MAT 7031

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

70-Yb-170



42

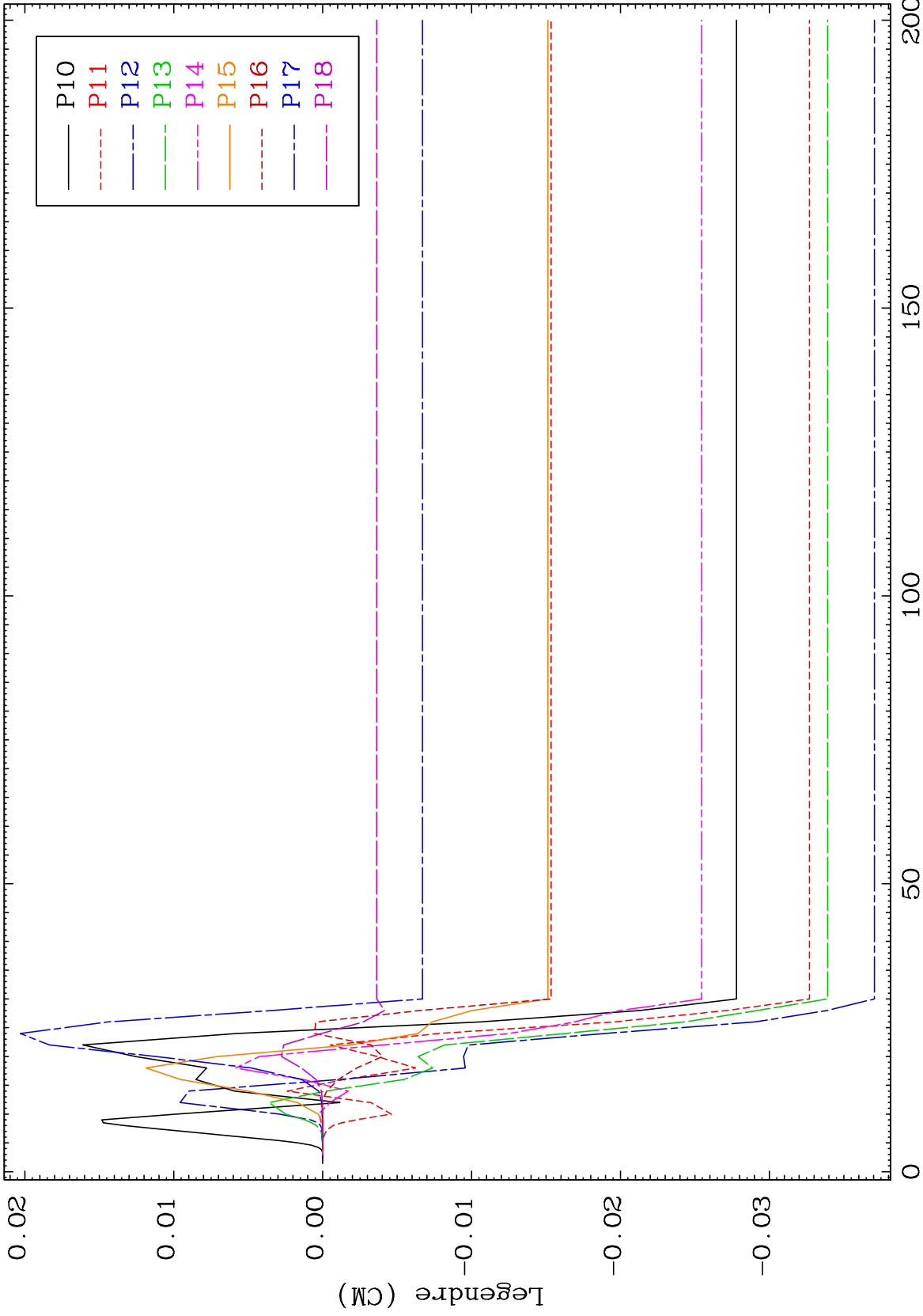
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



43

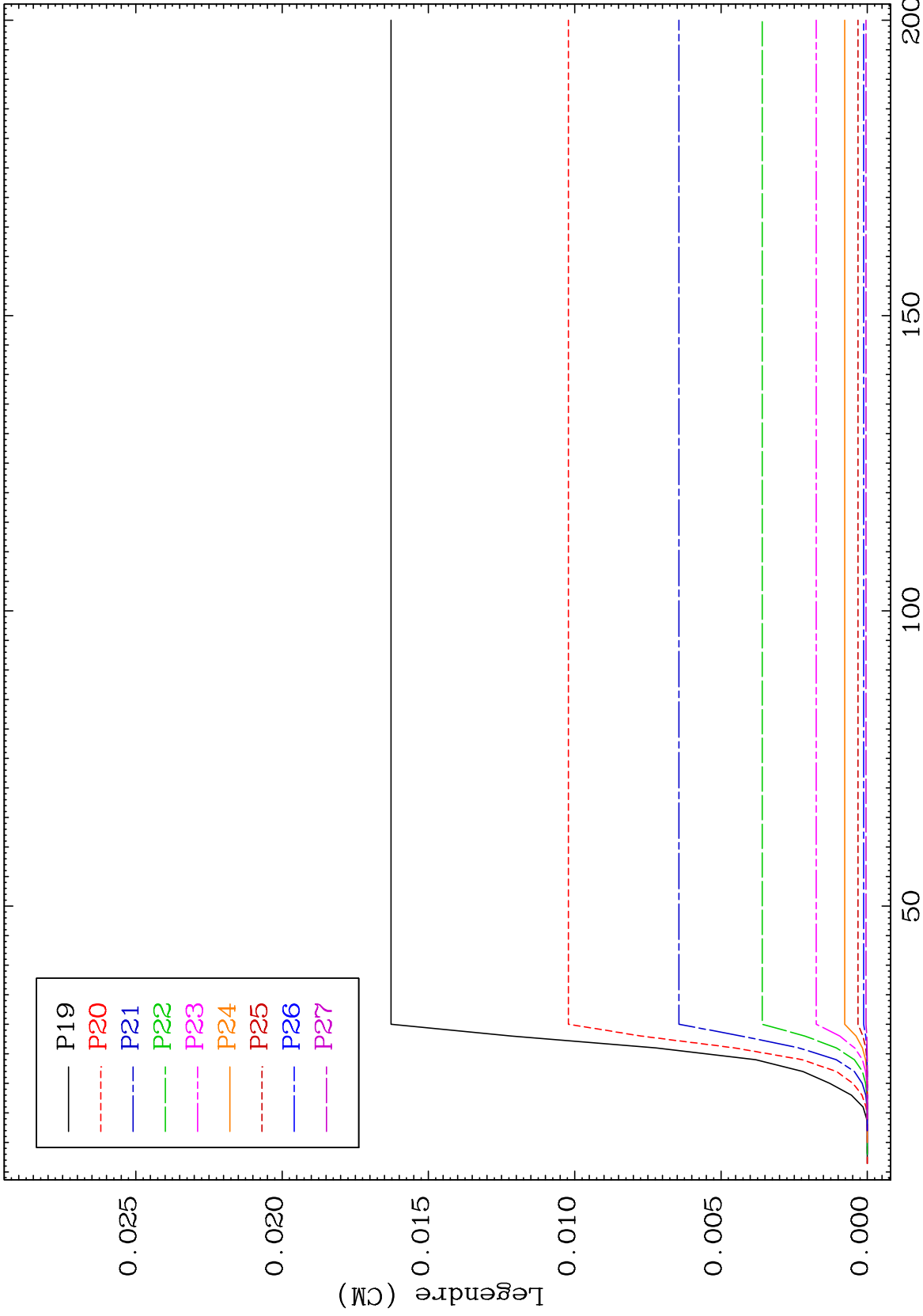
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



44

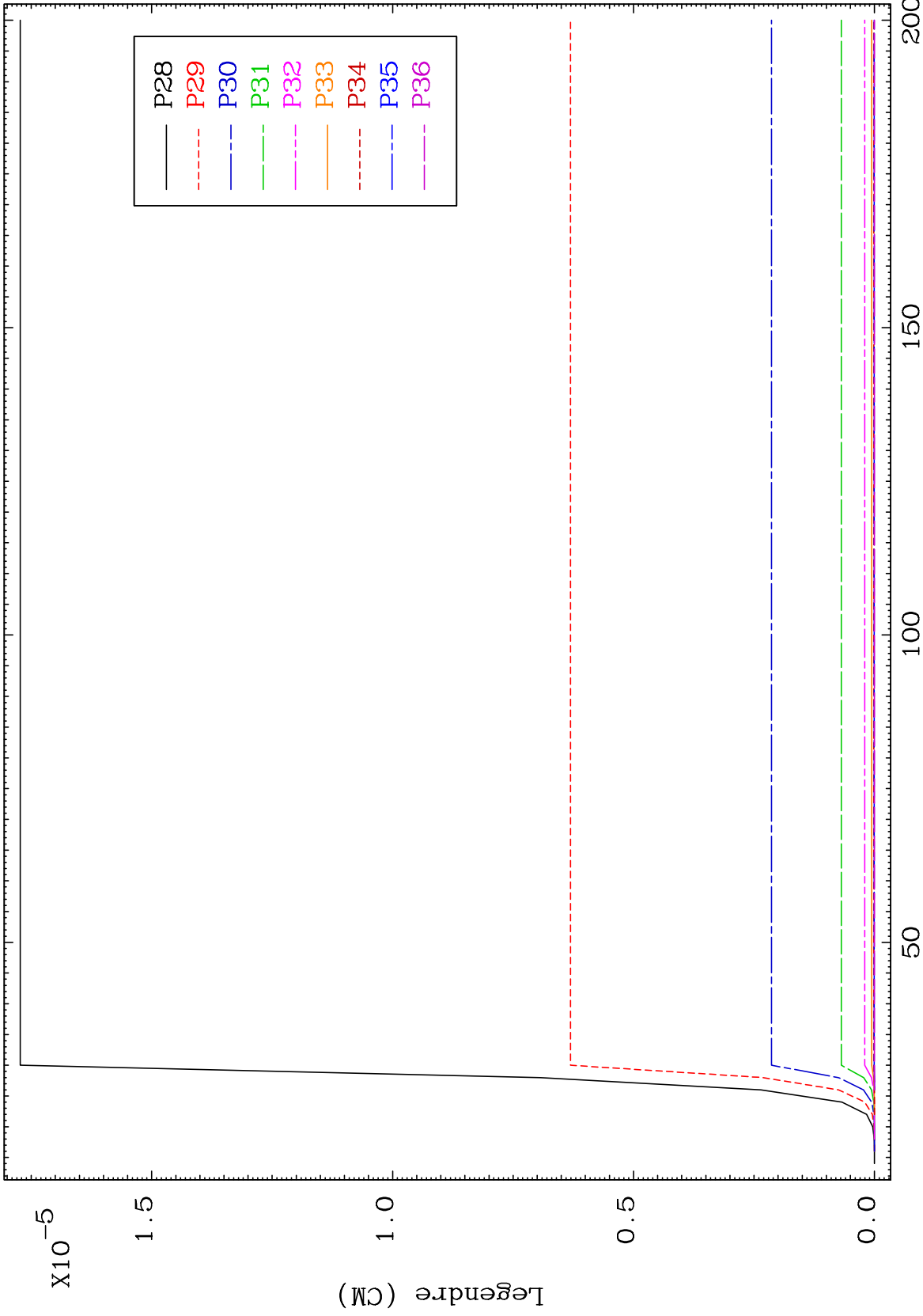
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

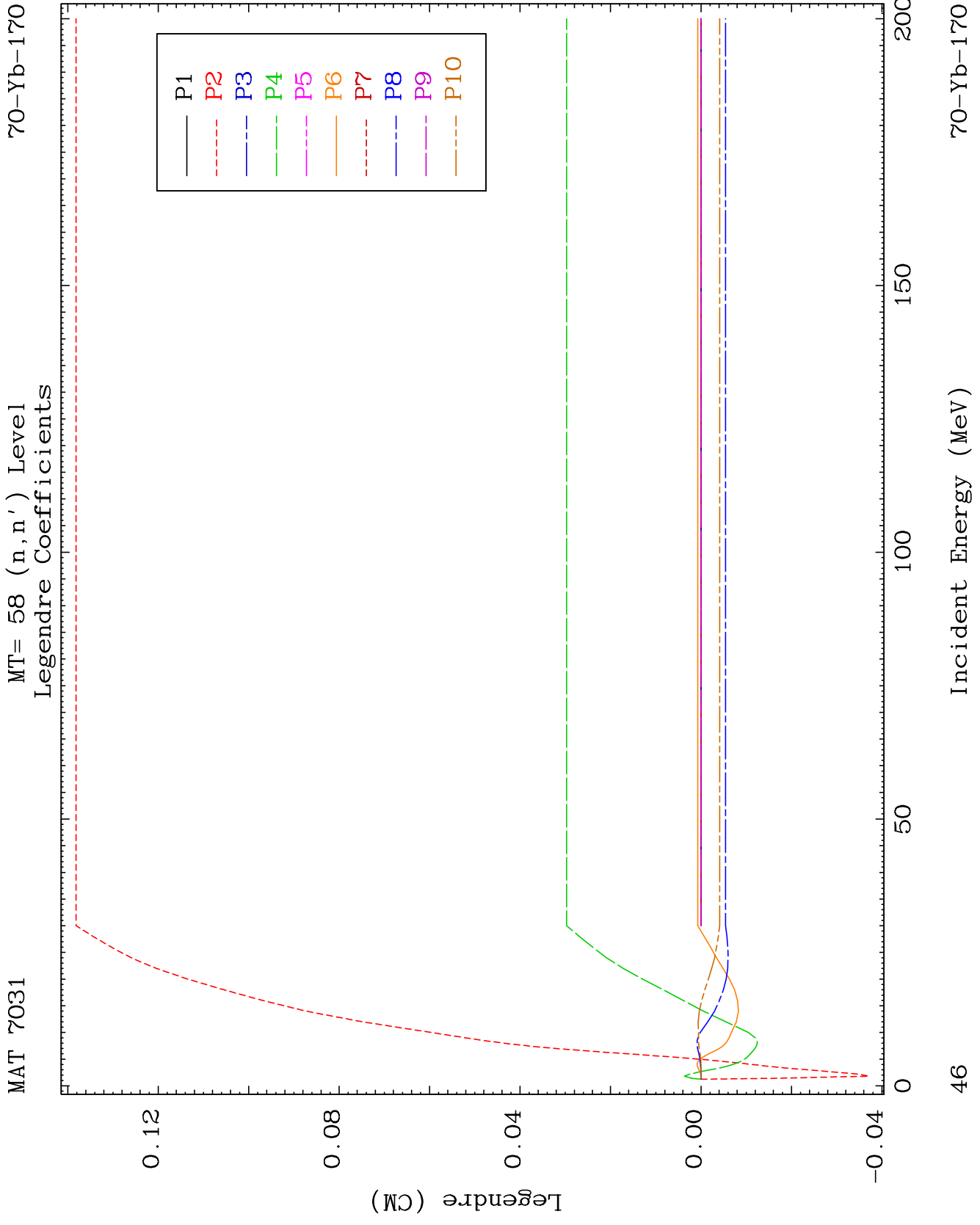
70-Yb-170



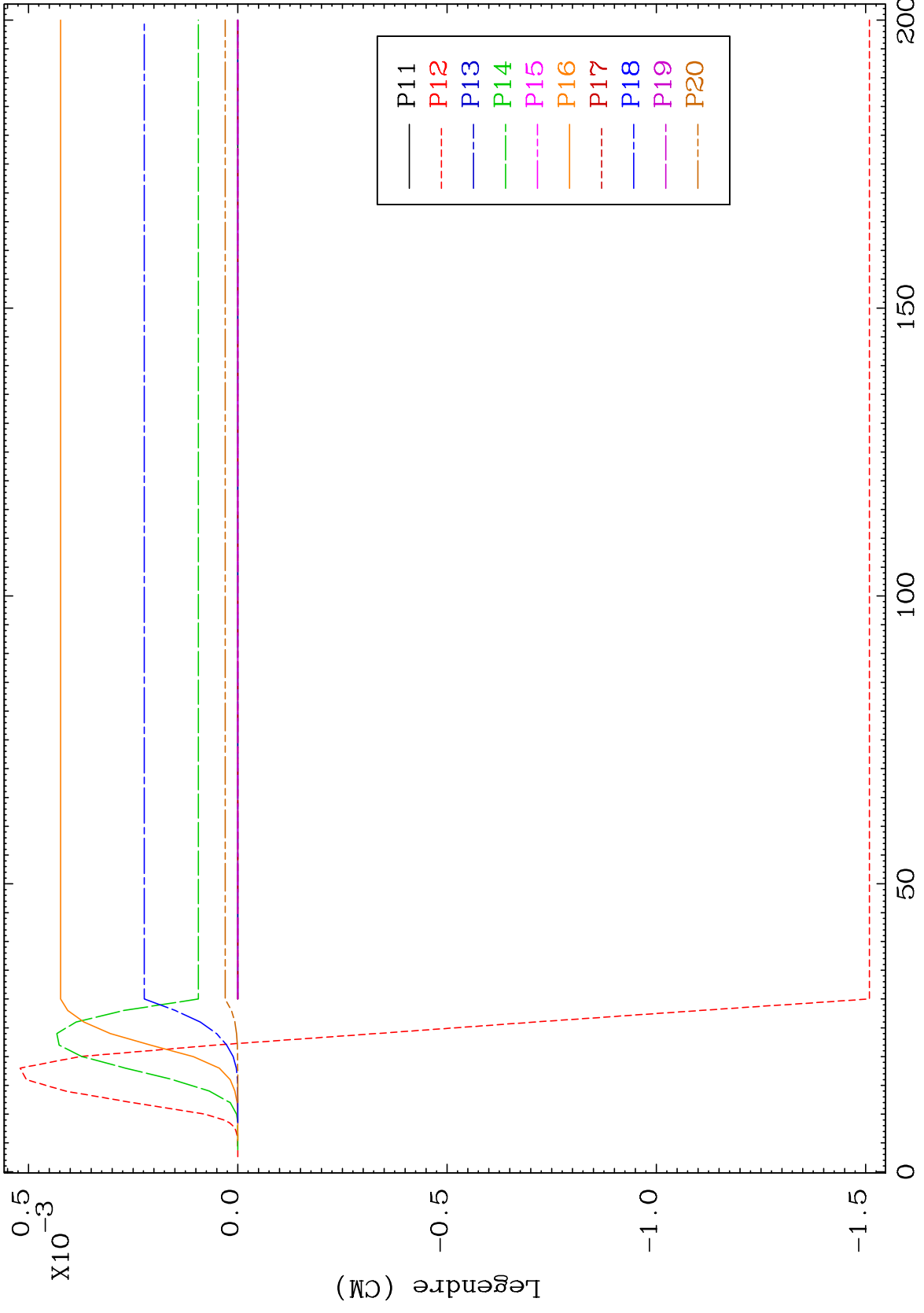
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Incident Energy (MeV)

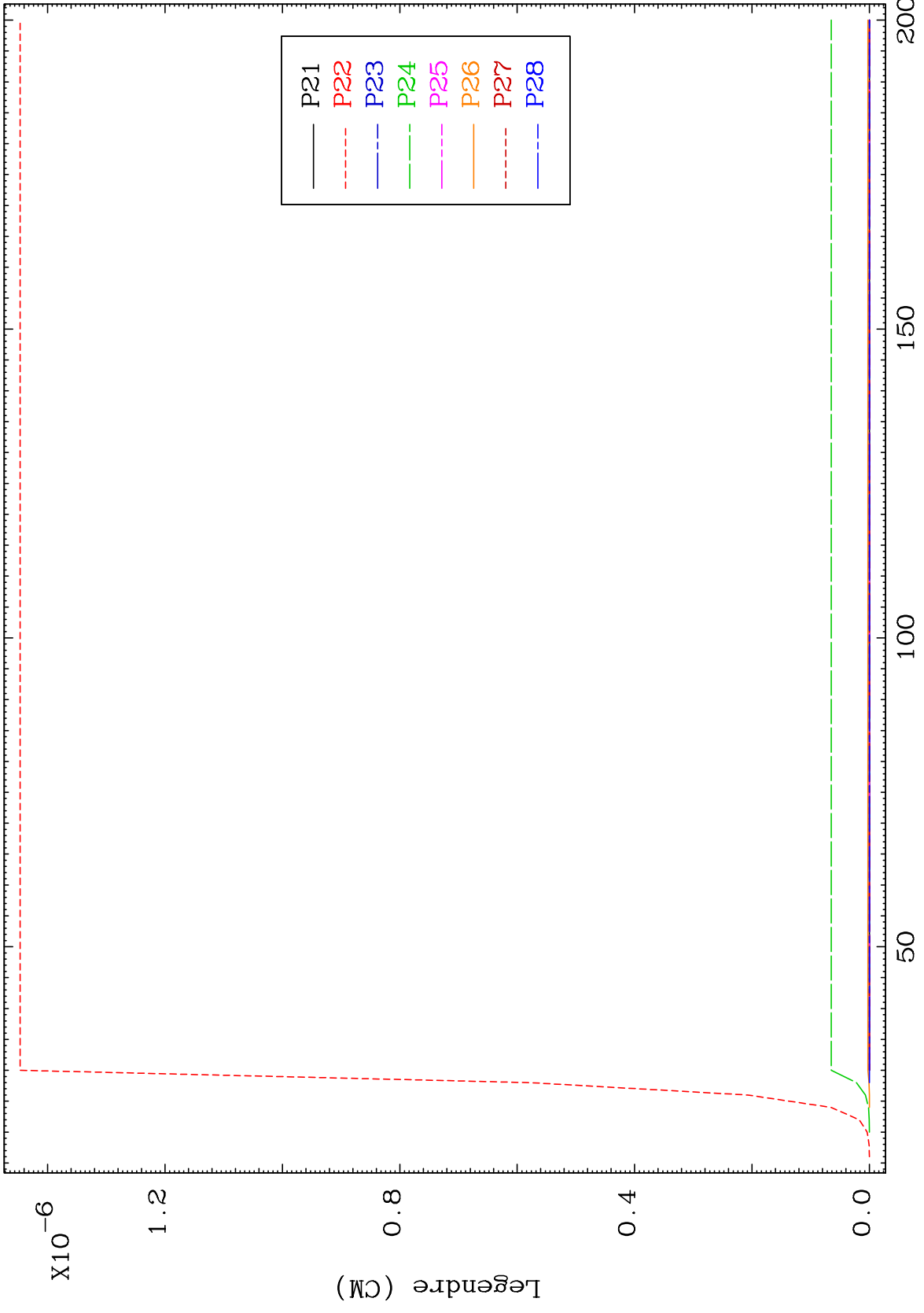
70-Yb-170



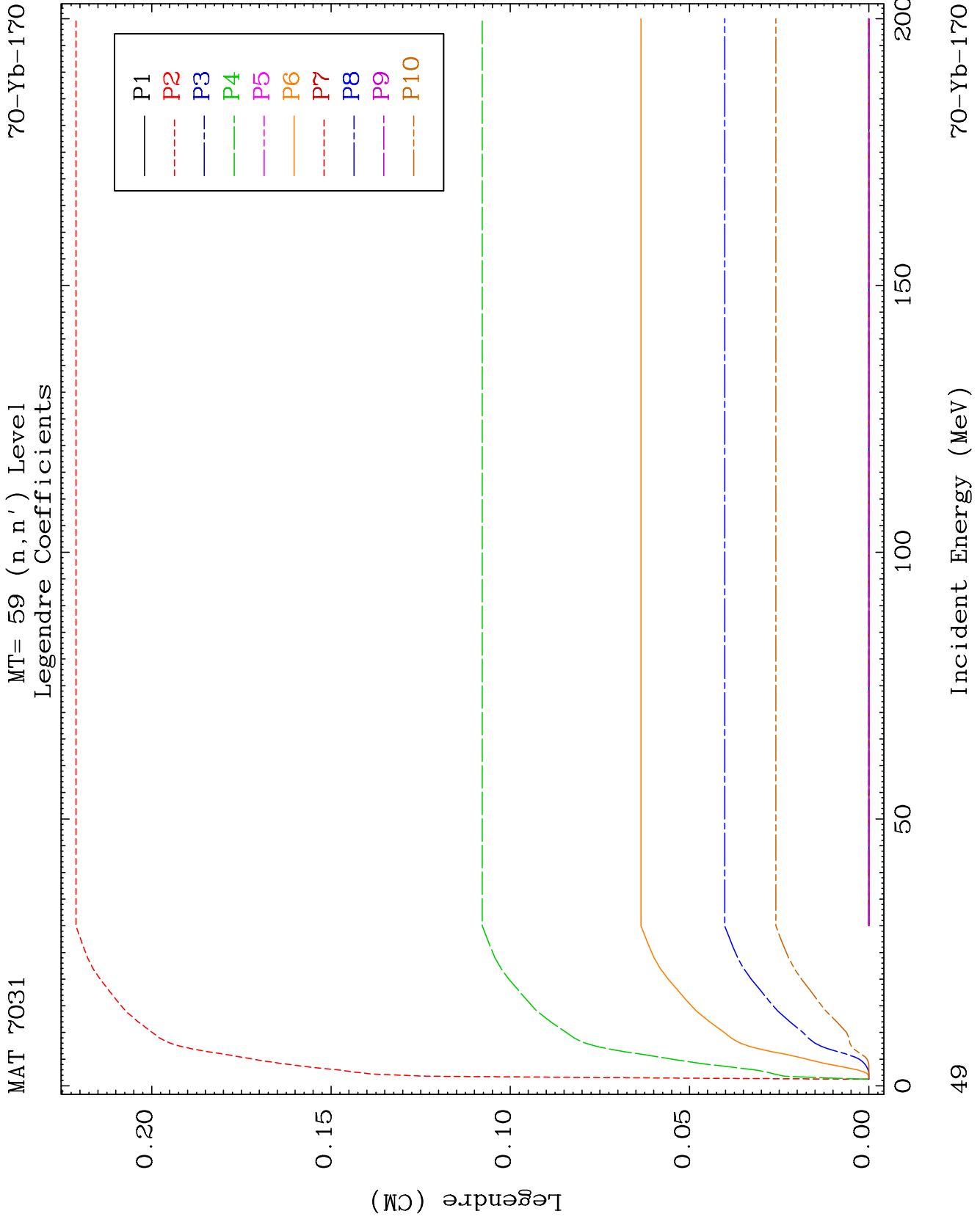
MAT 7031 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-170



MAT 7031 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-170



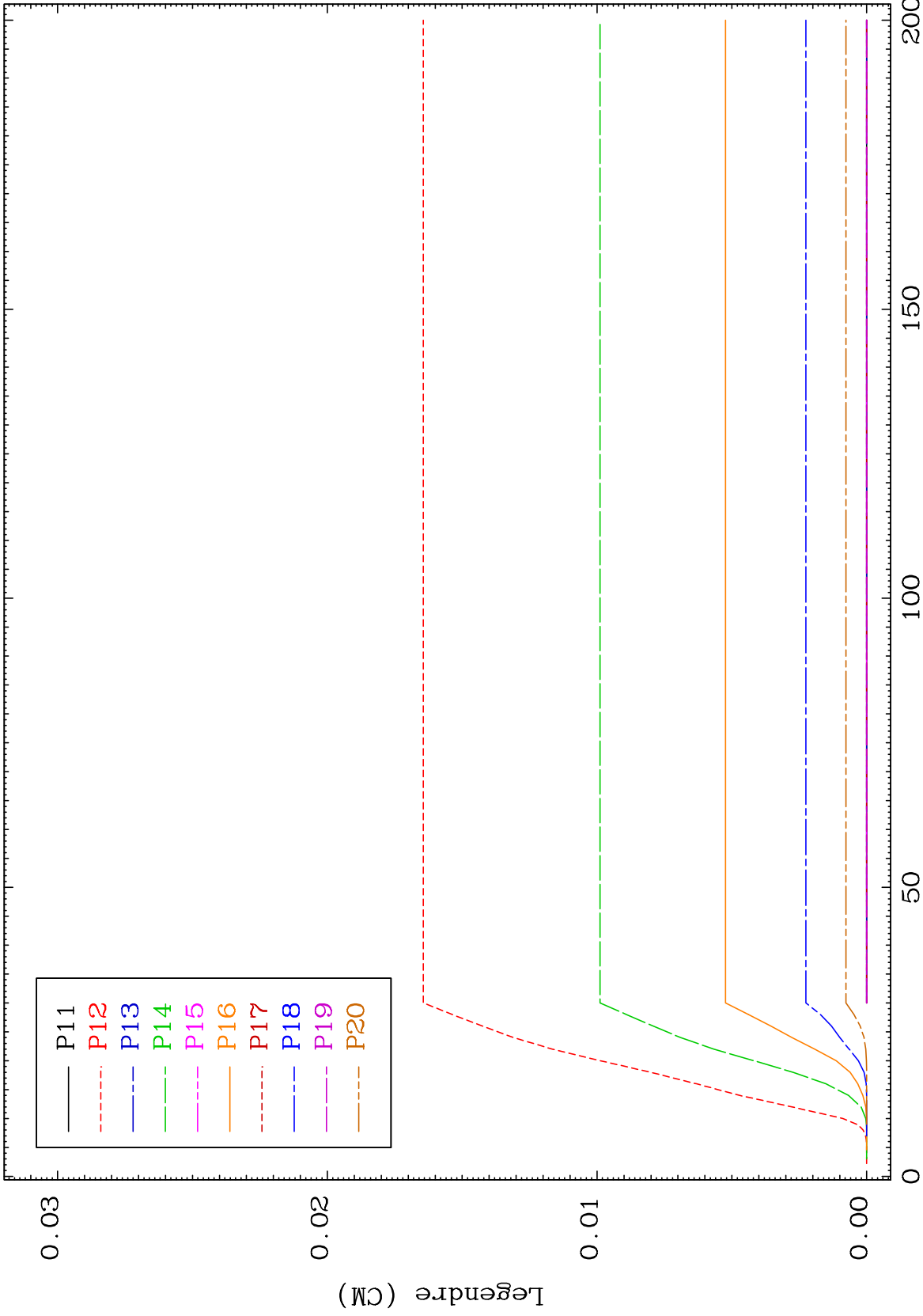
48 Incident Energy (MeV) 70-Yb-170



MAT 7031

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

70-Yb-170

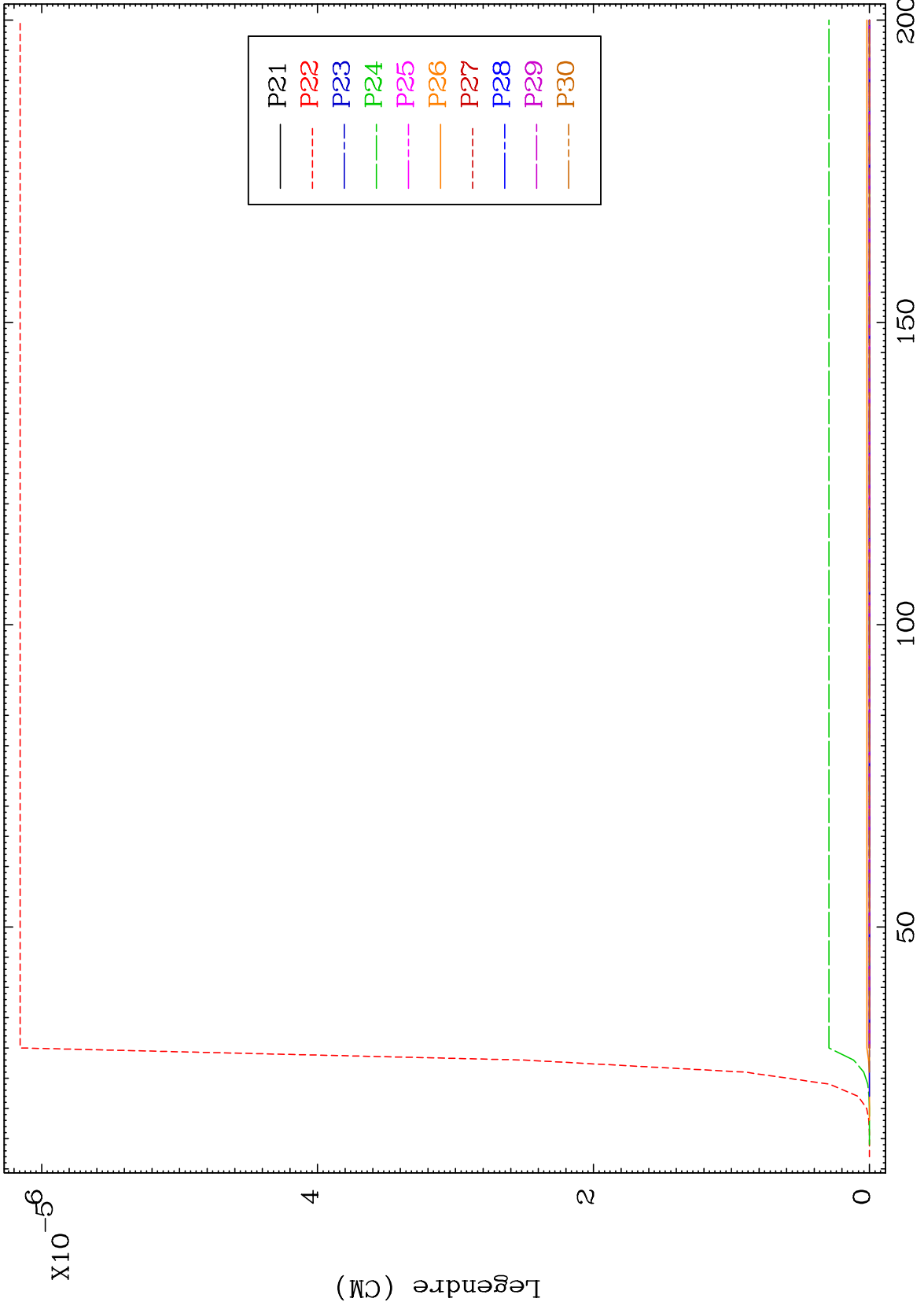


70-Yb-170

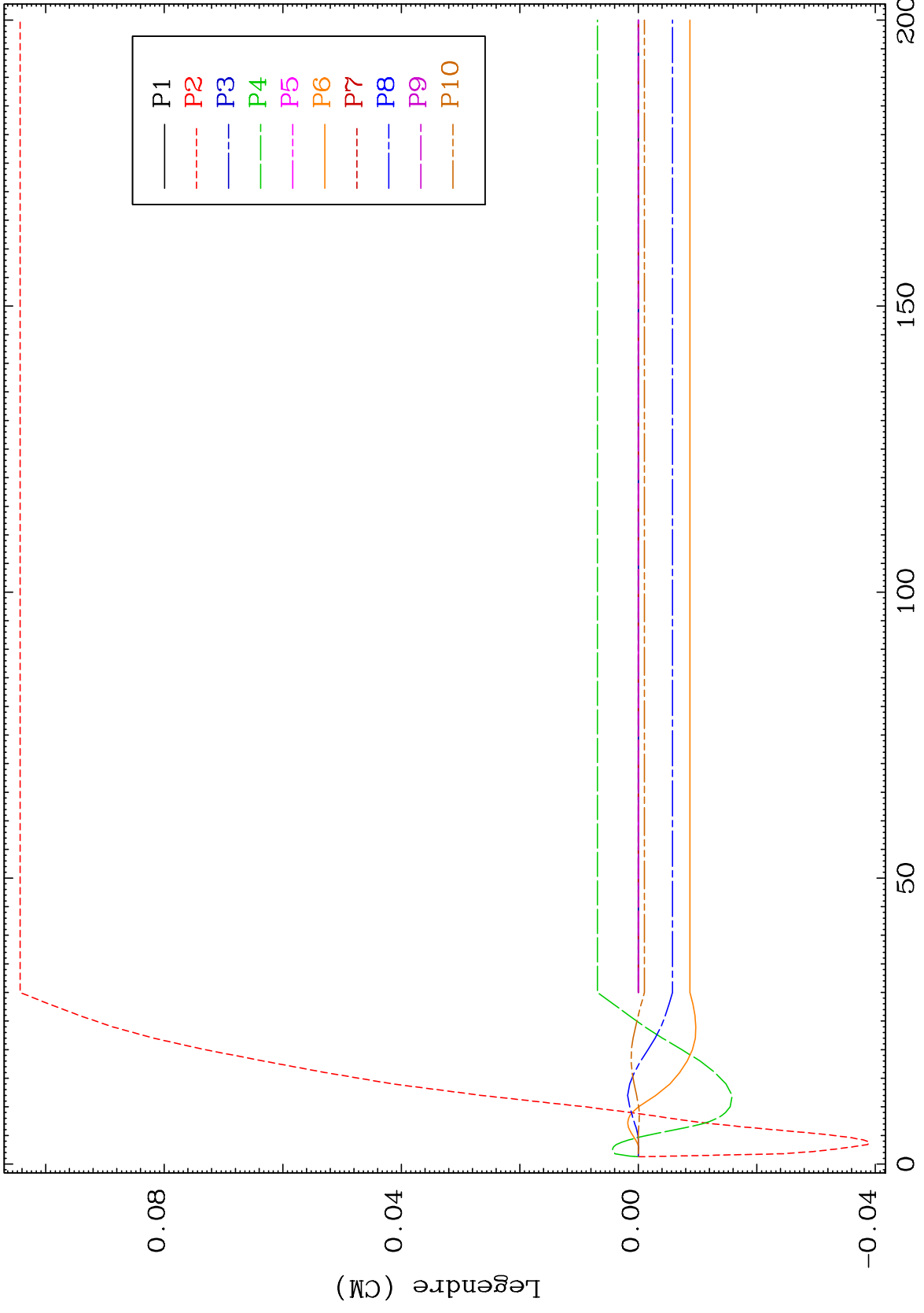
Incident Energy (MeV)

50

MAT 7031 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-170

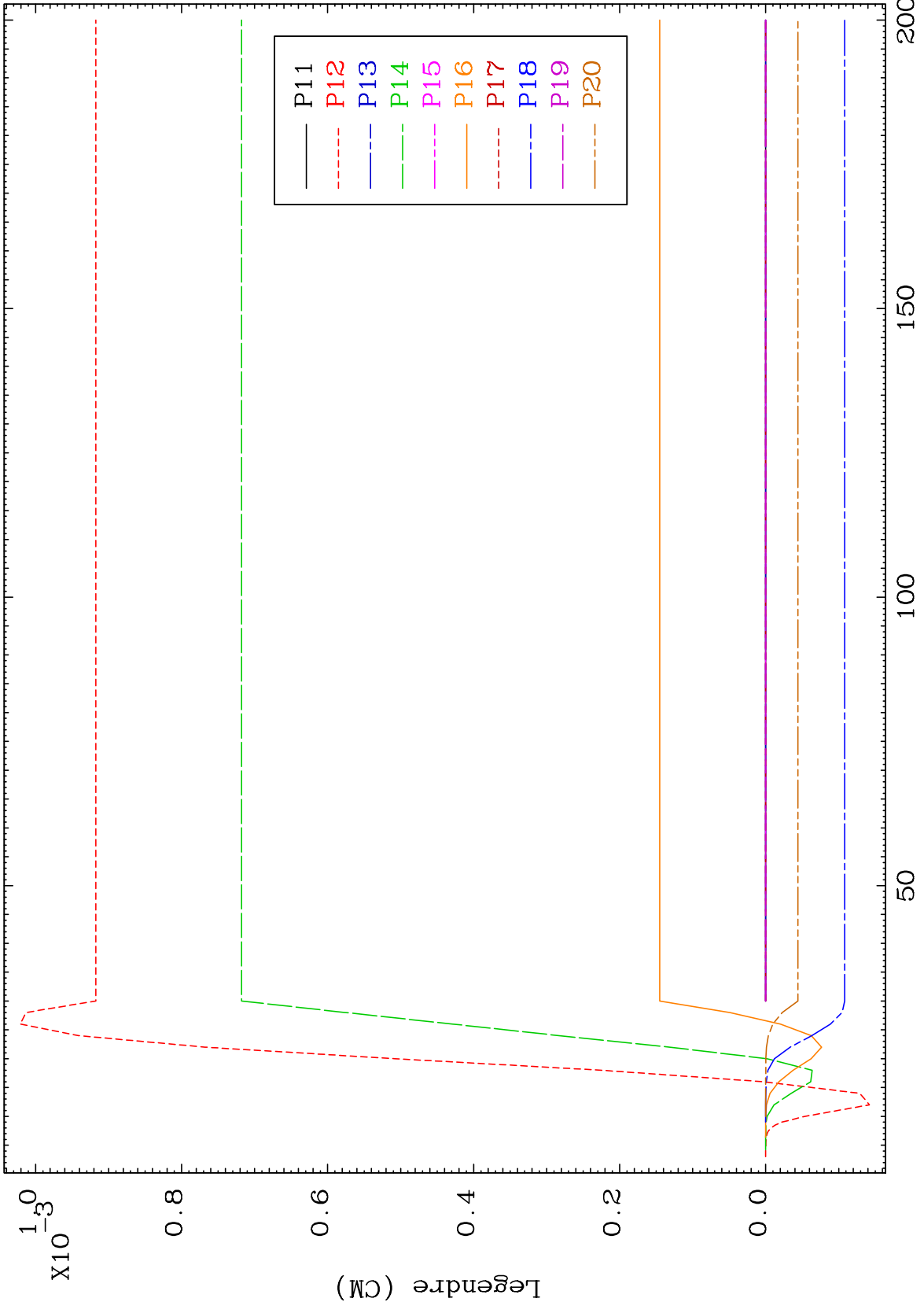


MAT 7031 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-170

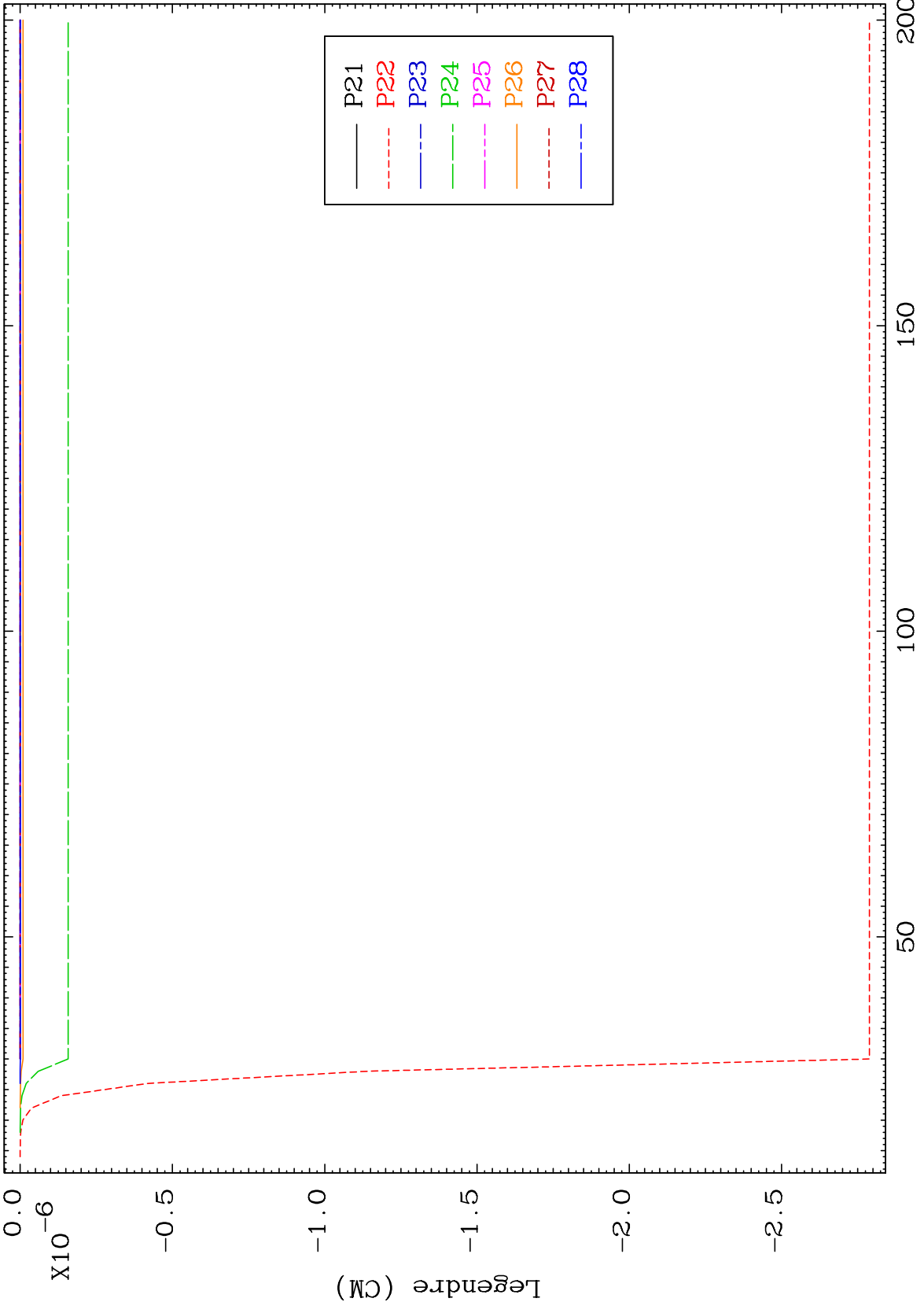


52 Incident Energy (MeV) 70-Yb-170

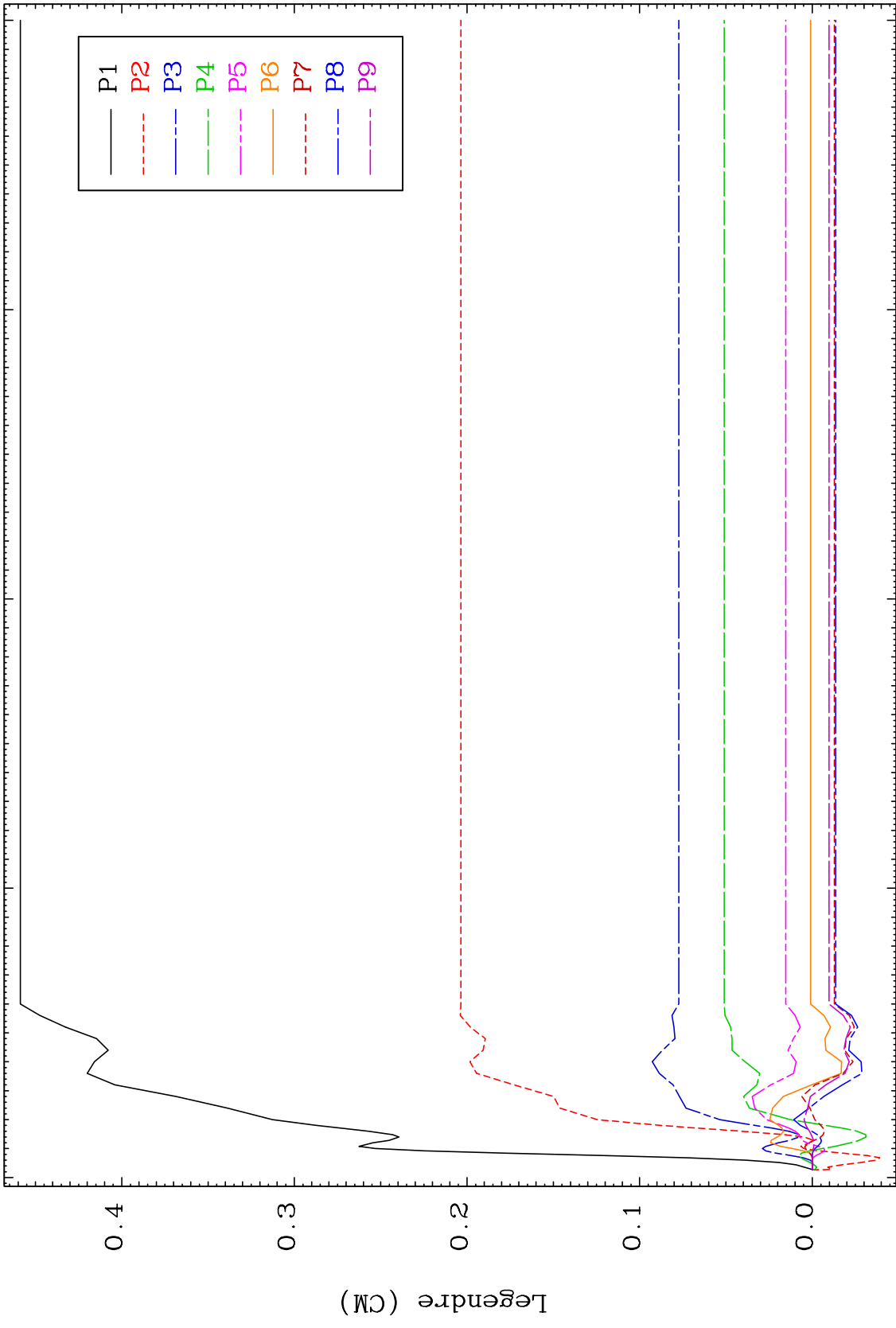
MAT 7031 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-170



MAT 7031 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-170



MAT 7031 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-170

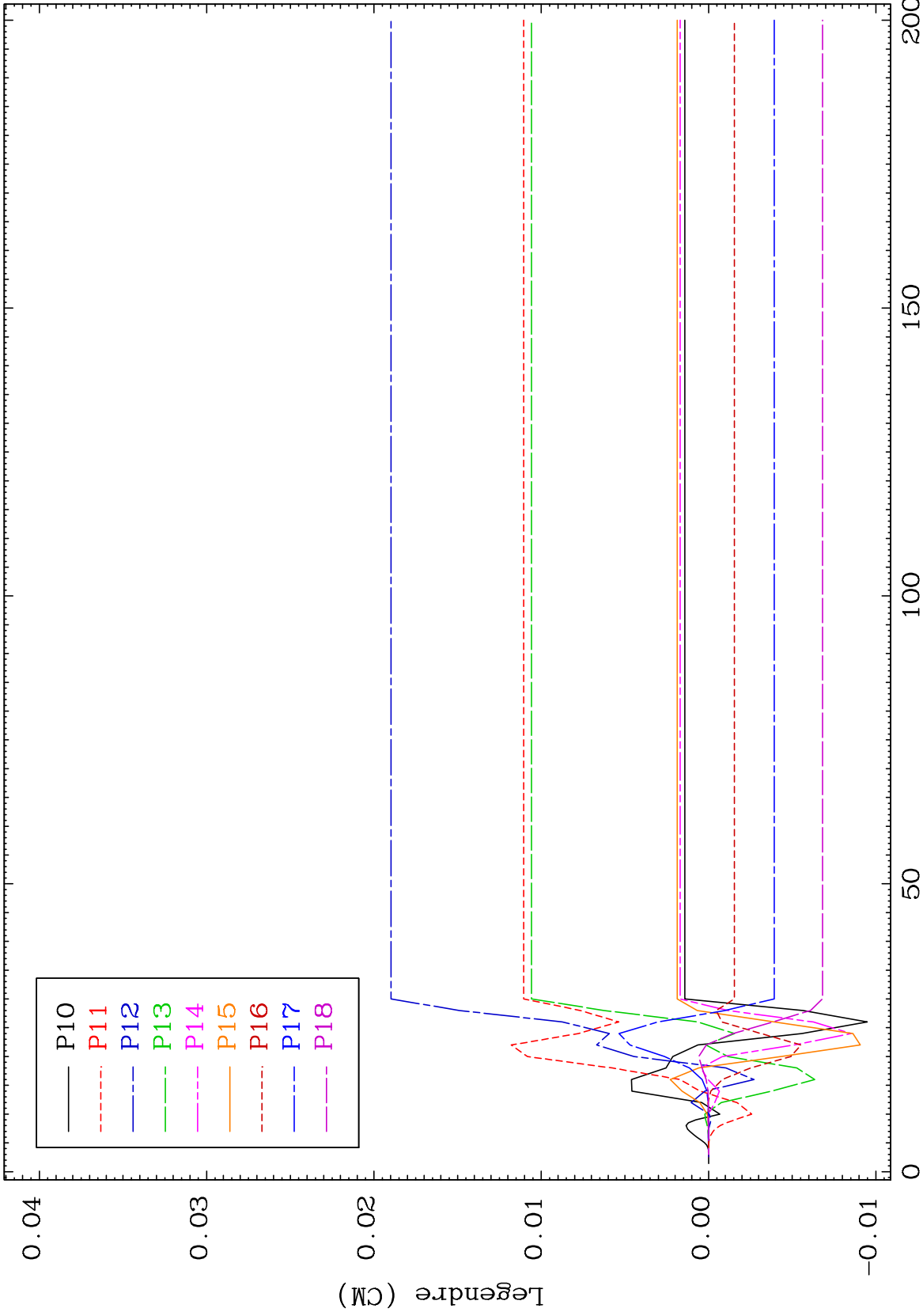


55 Incident Energy (MeV) 70-Yb-170

MAT 7031

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

70-Yb-170



56

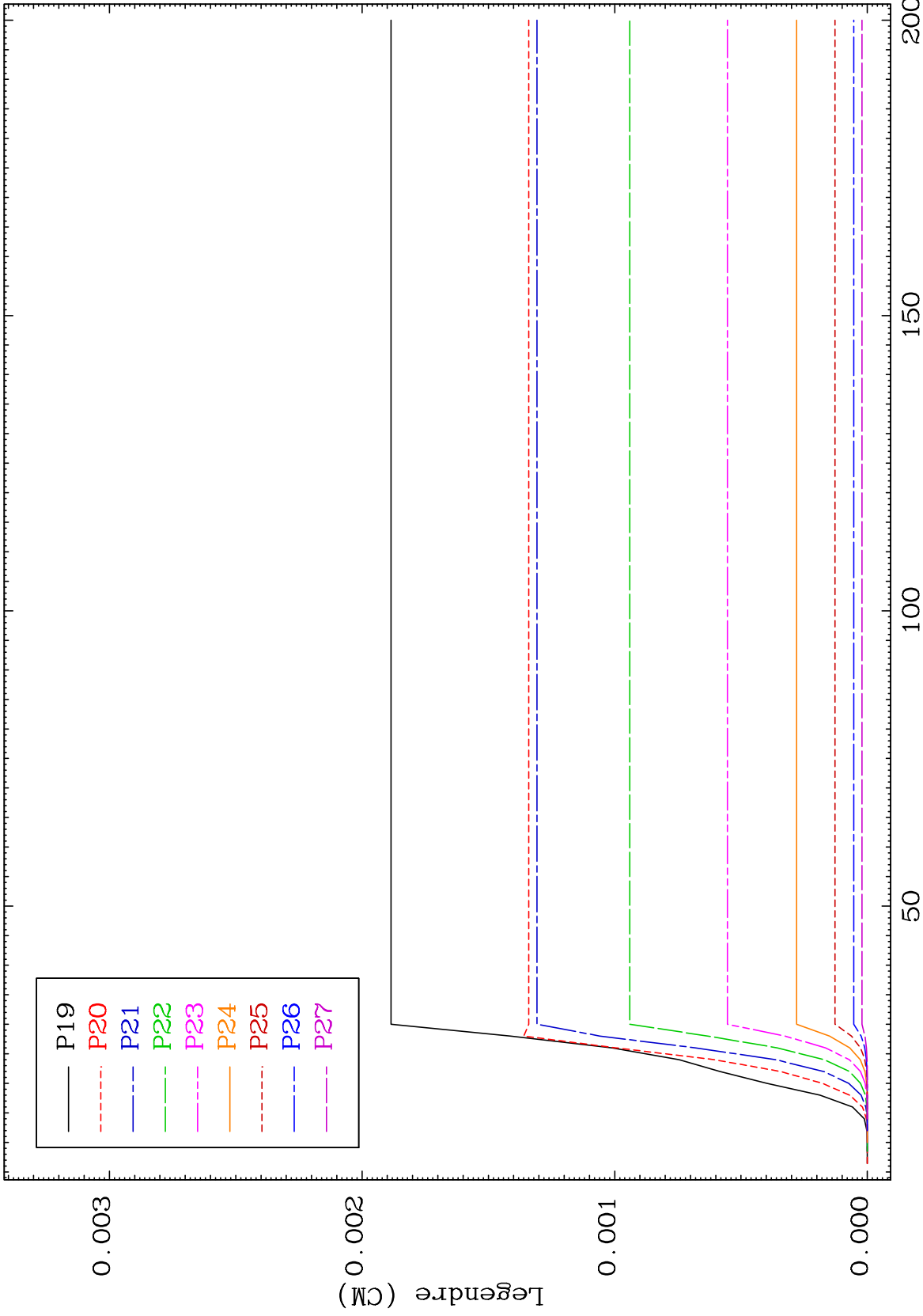
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



57

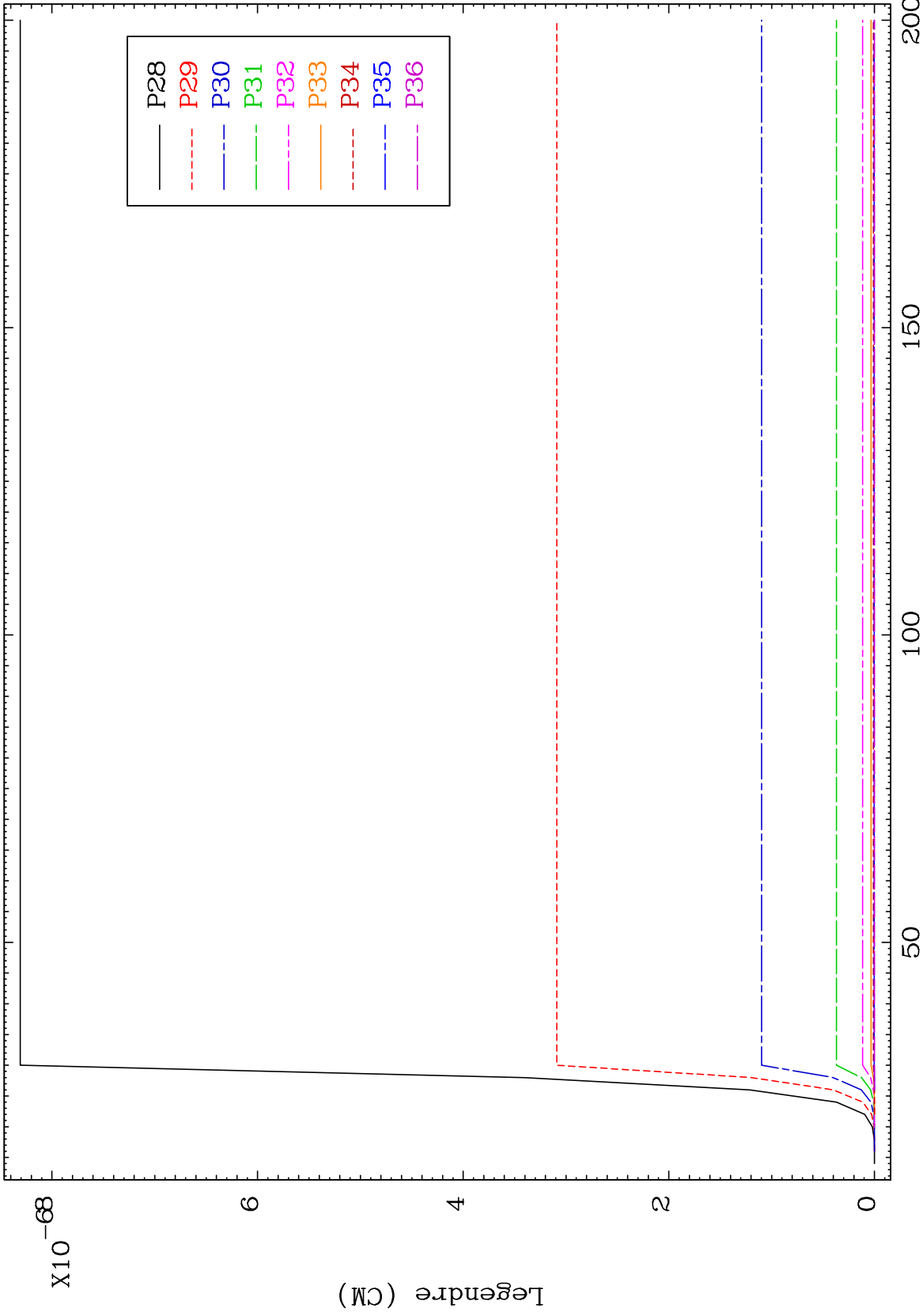
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



58

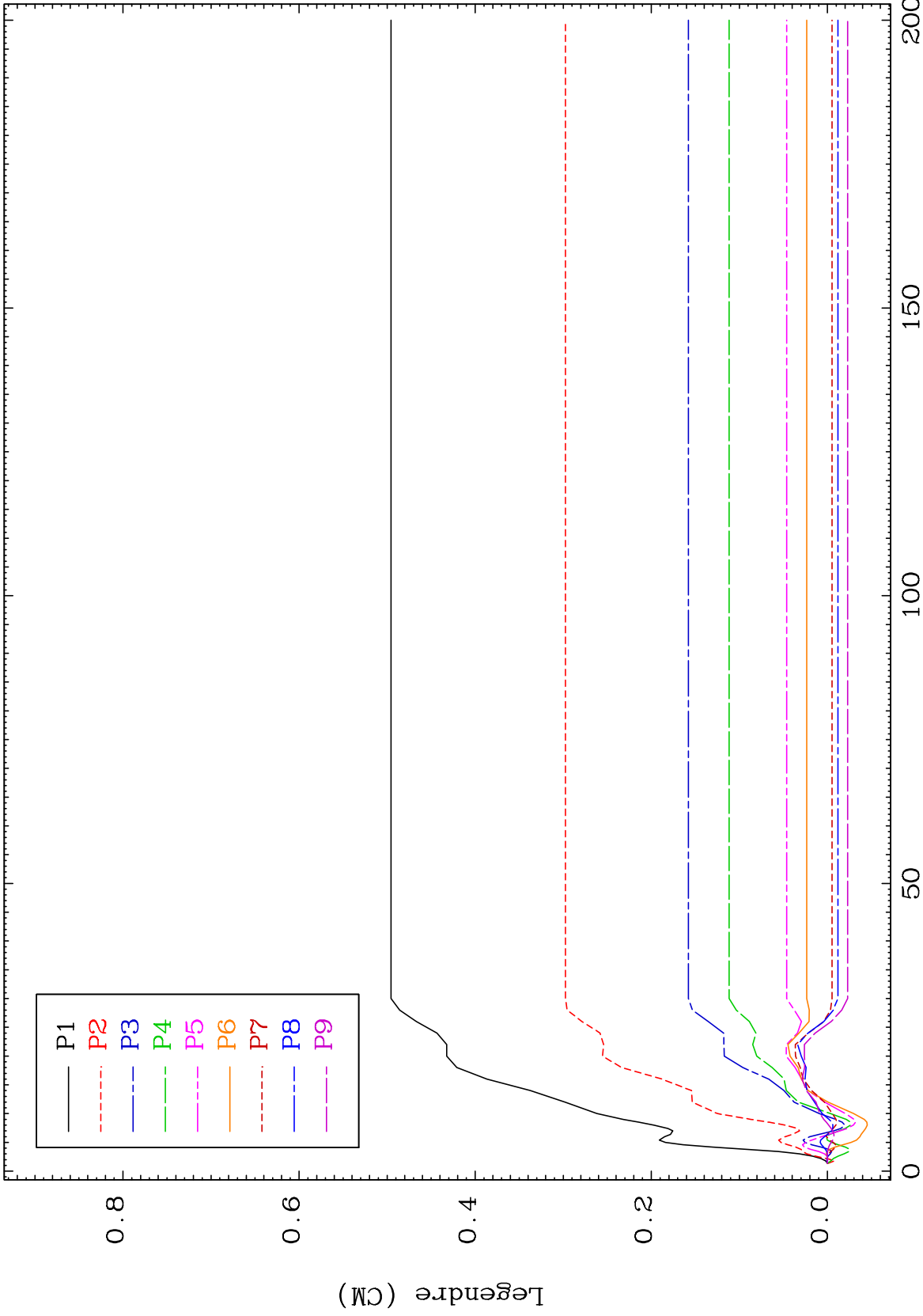
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170

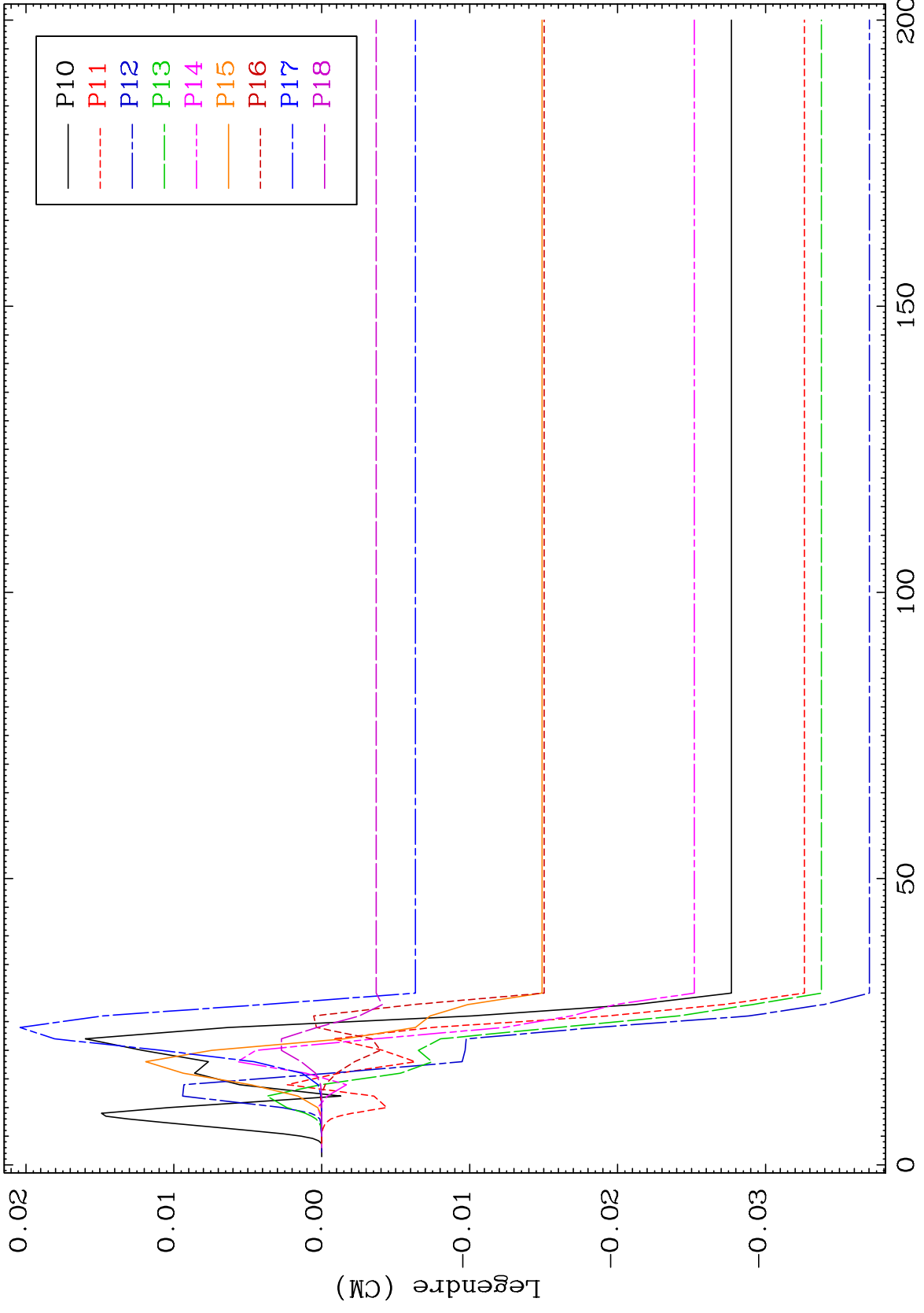


59

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-170

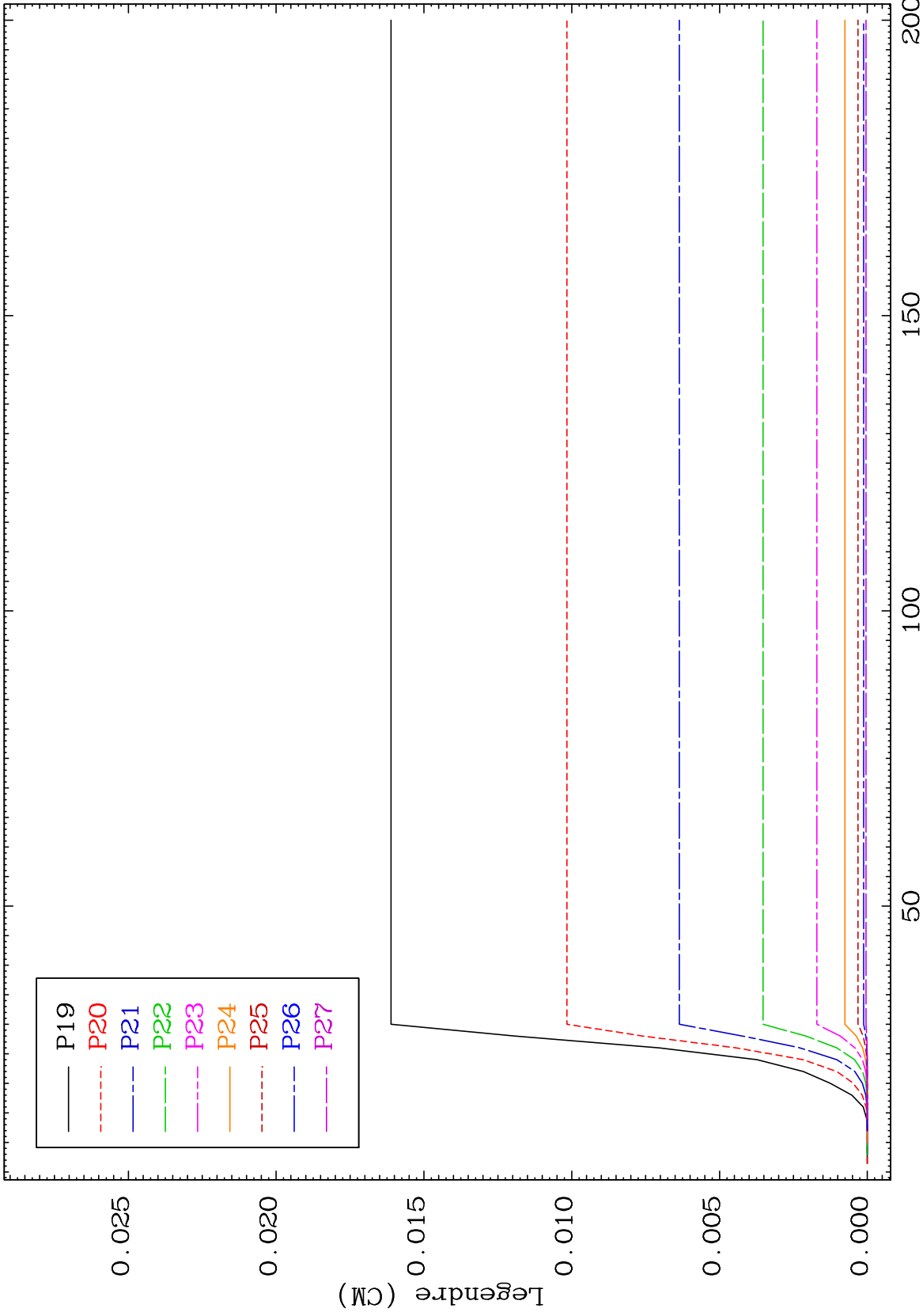


Legendre (CM) Incident Energy (MeV) 70-Yb-170

MAT 7031

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

70-Yb-170

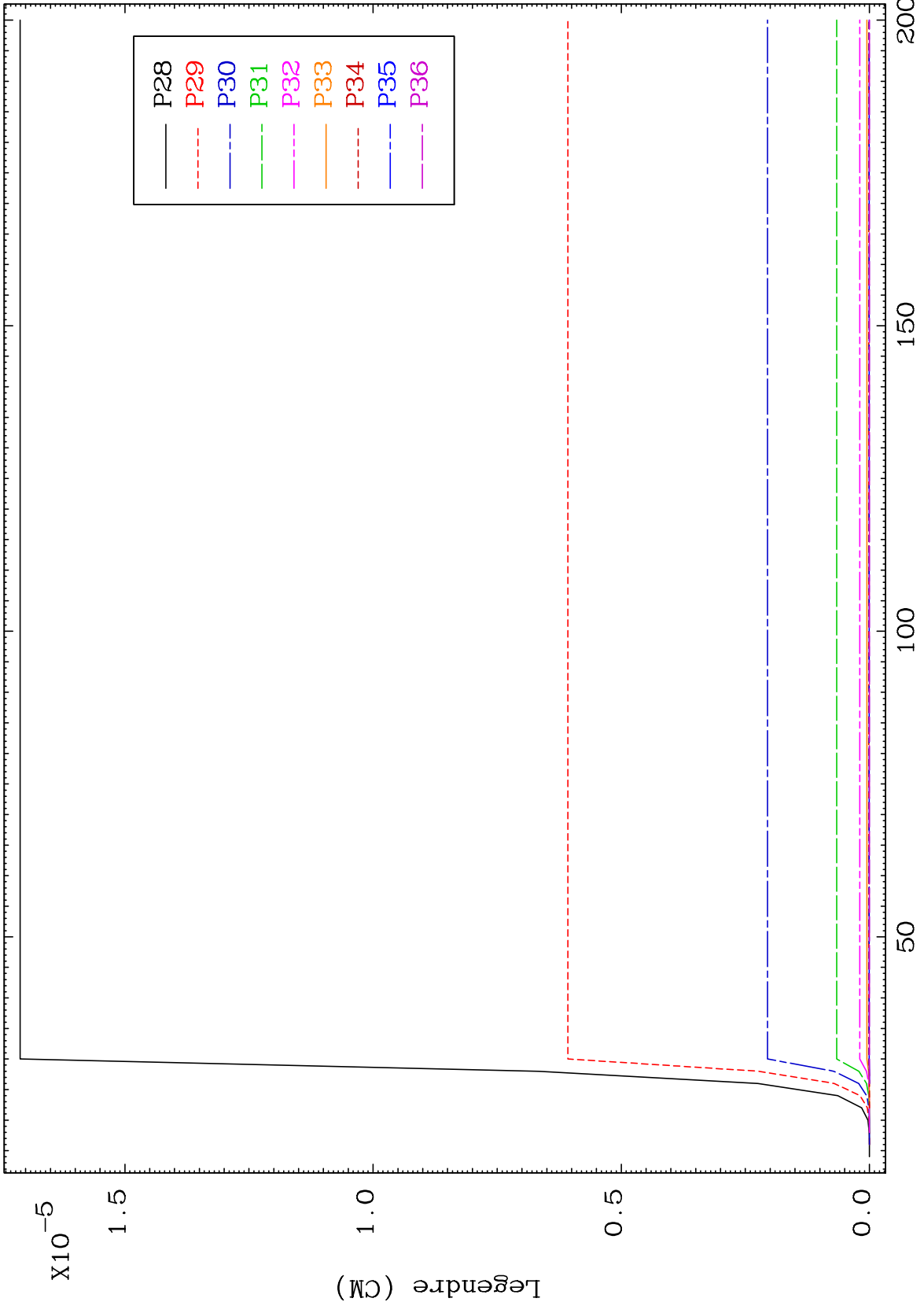


61

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-170

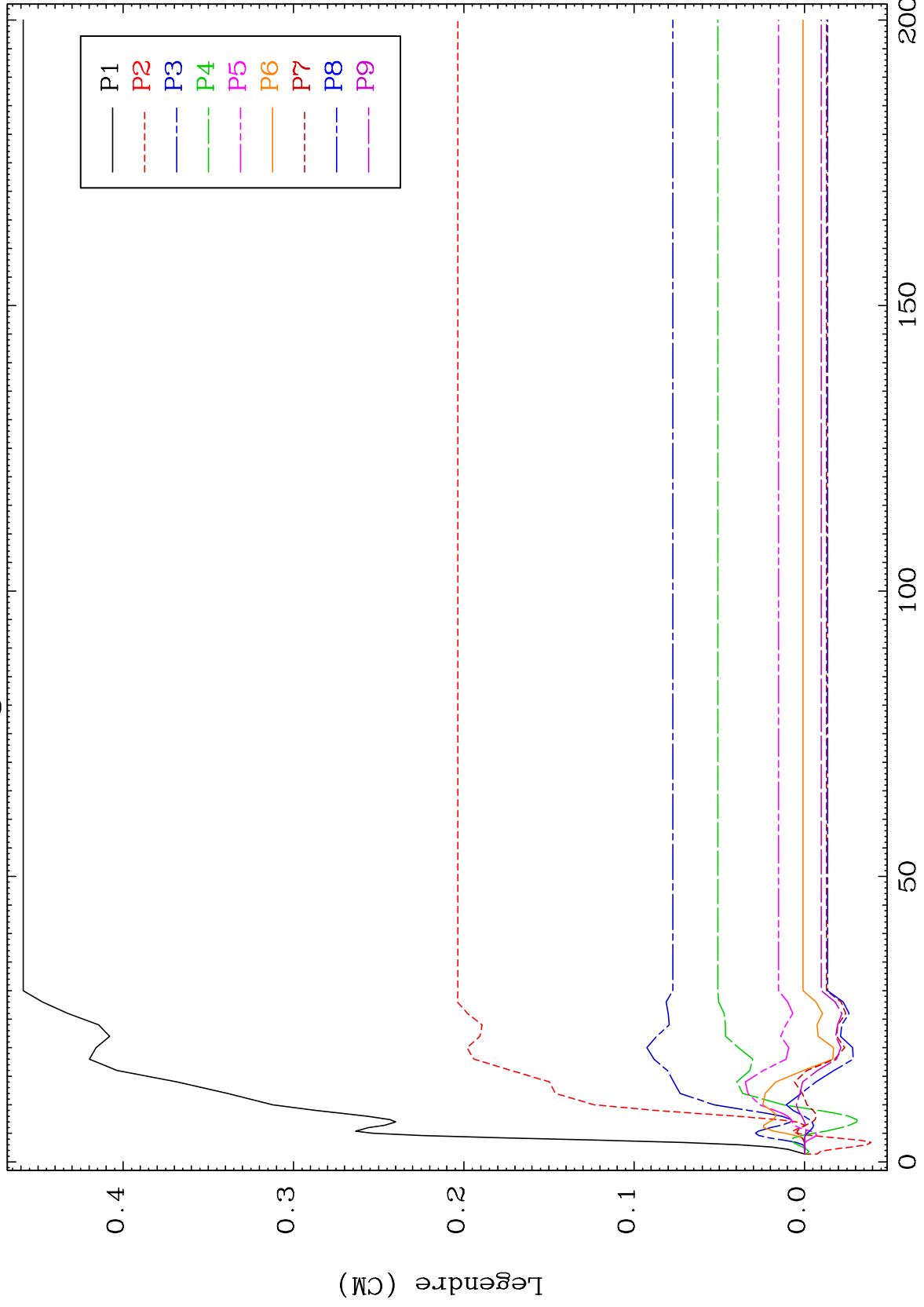


62 70-Yb-170

MAT 7031

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

70-Yb-170



63

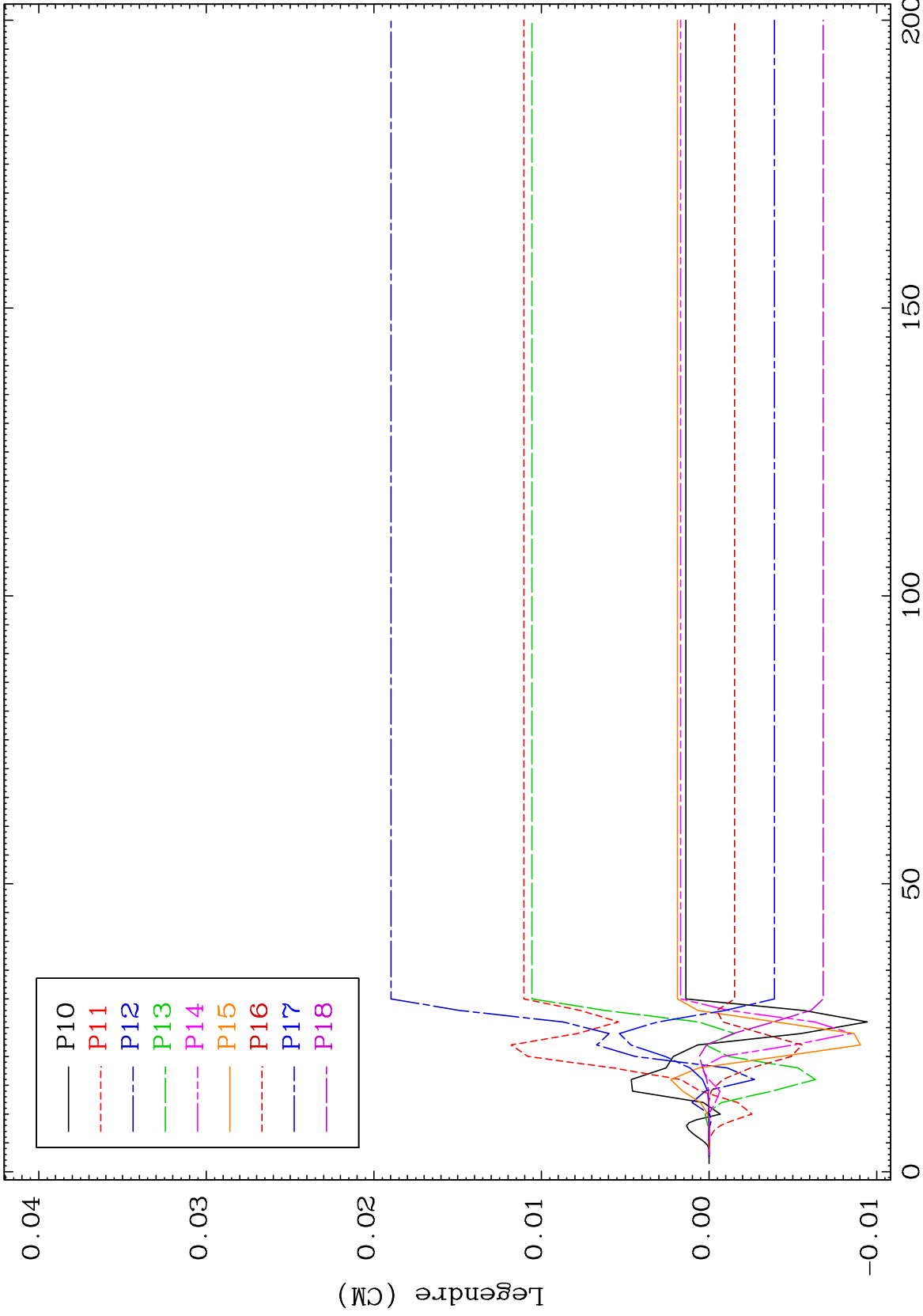
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



64

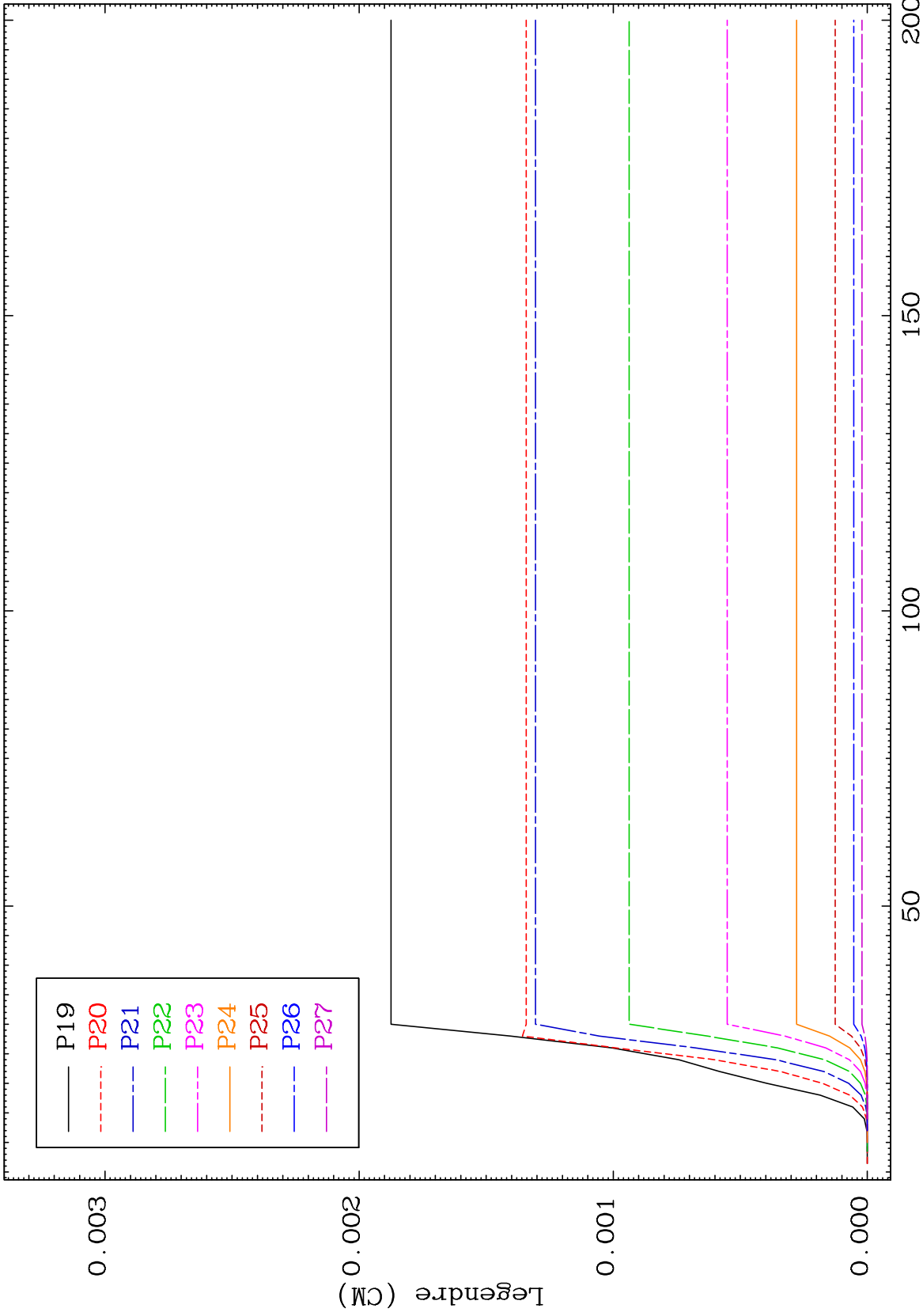
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170



65

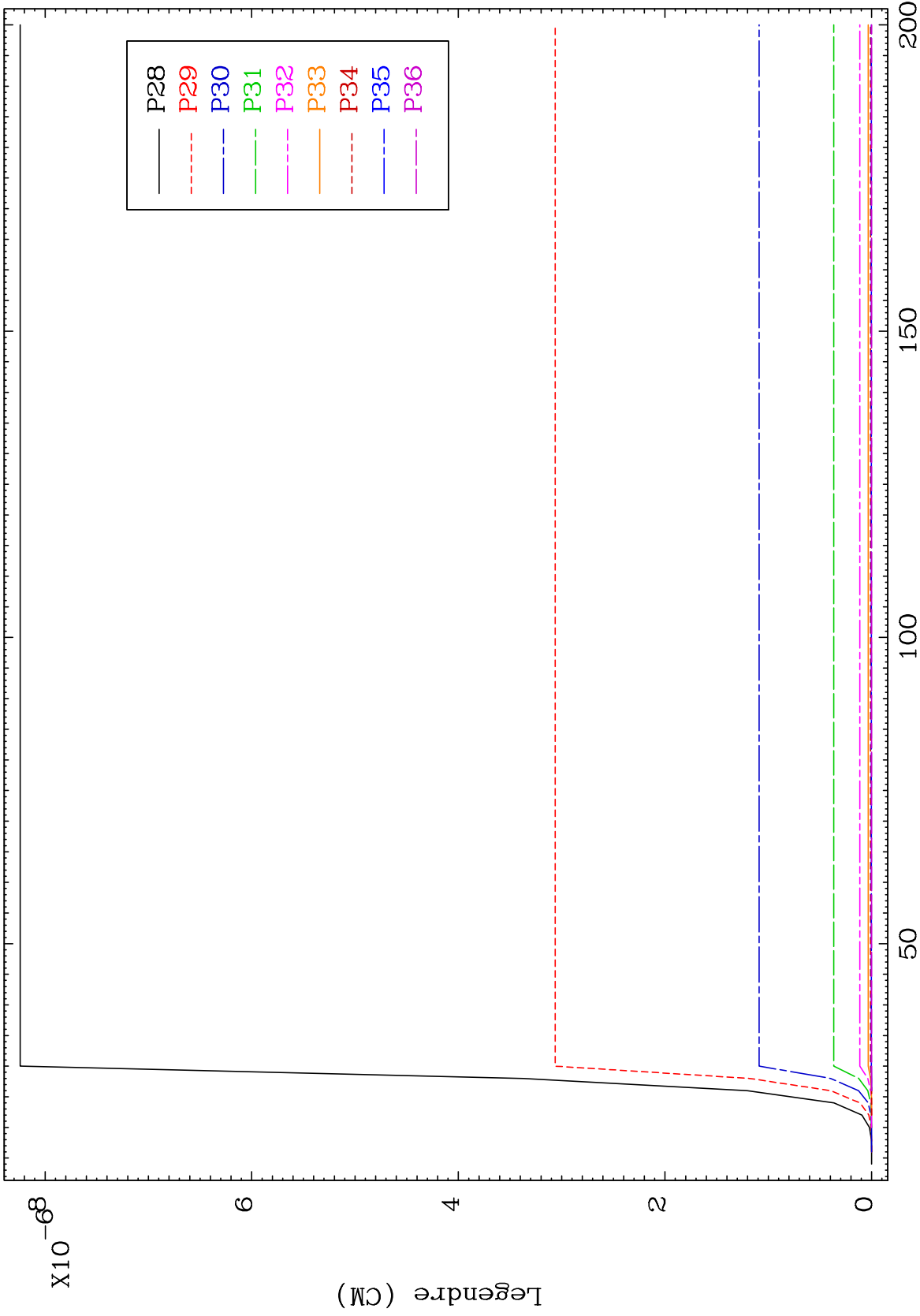
Incident Energy (MeV)

70-Yb-170

MAT 7031

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

70-Yb-170

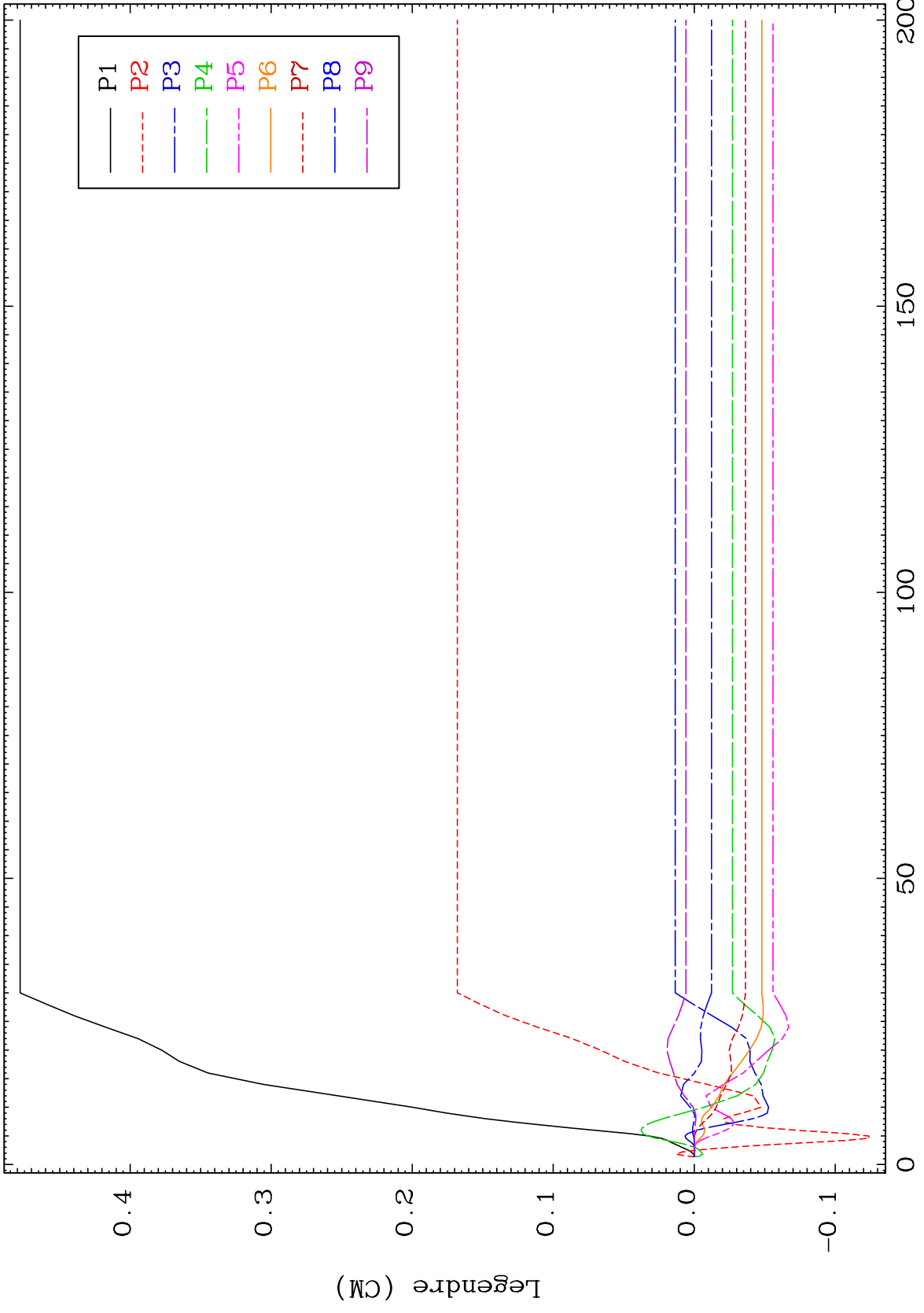


66

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-170

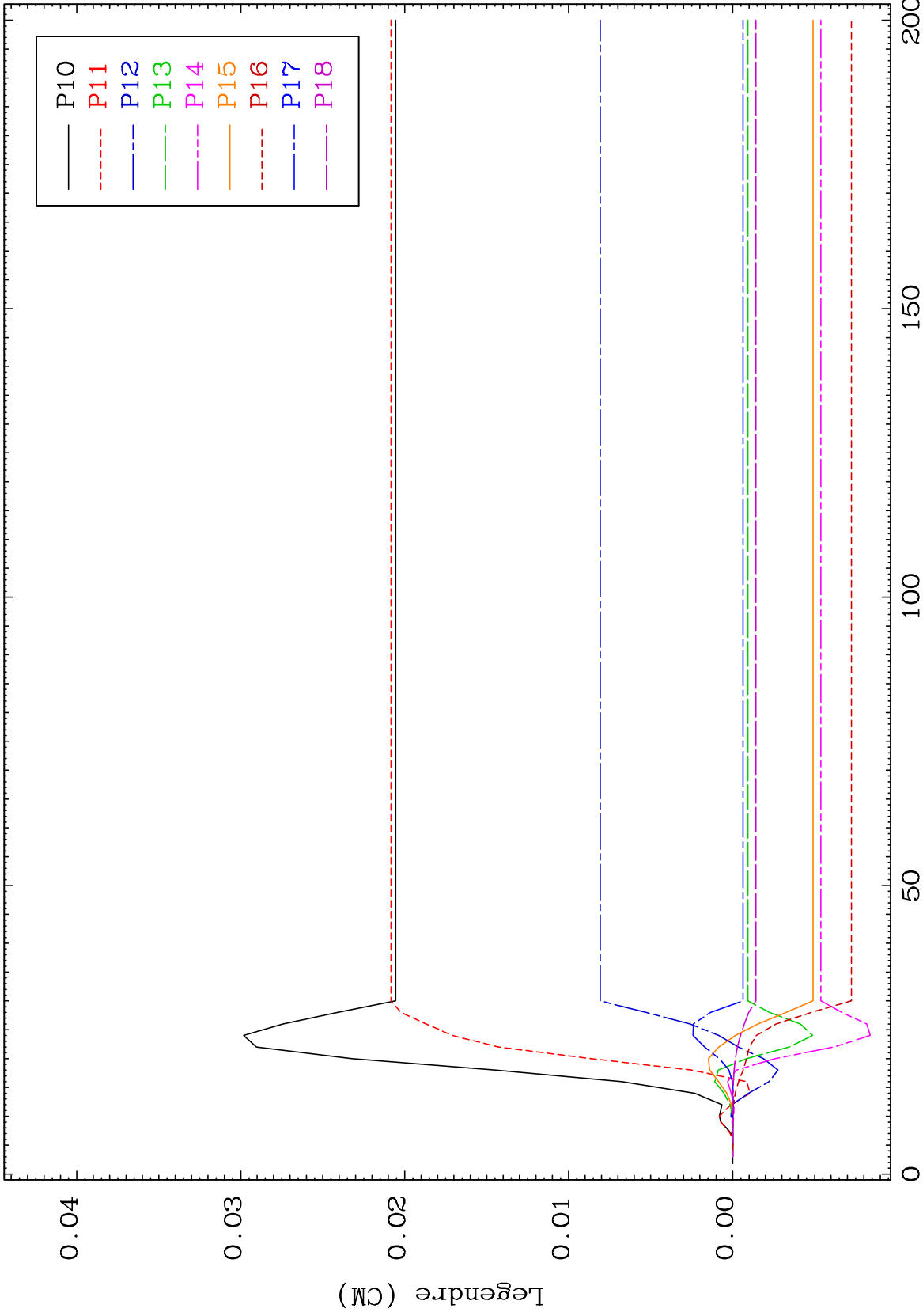


67 70-Yb-170

MAT 7031

MT= 64 (n,n') Level  
Legendre Coefficients

70-Yb-170



68

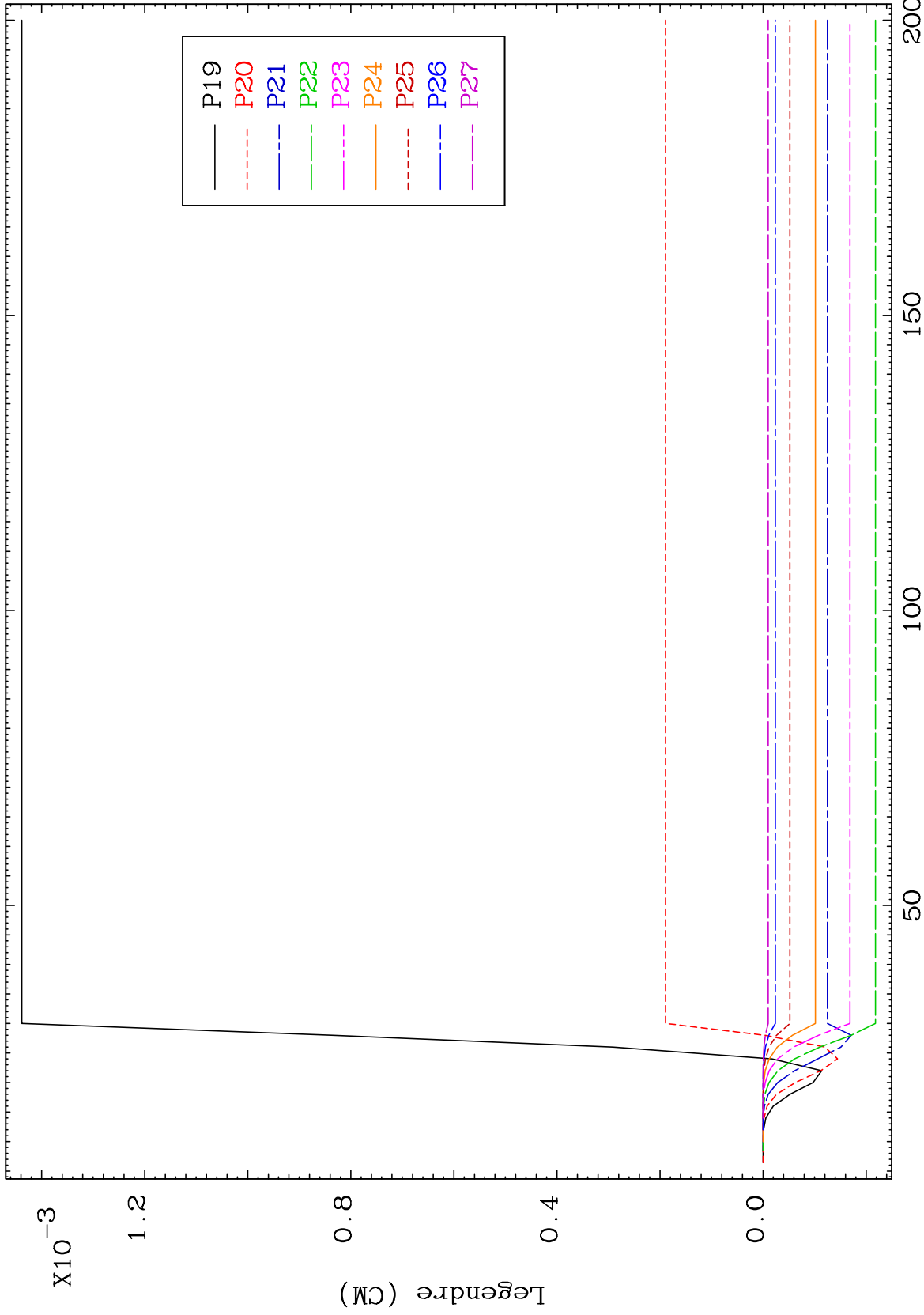
Incident Energy (MeV)

70-Yb-170

MAT 7031

MT= 64 (n,n') Level  
Legendre Coefficients

70-Yb-170

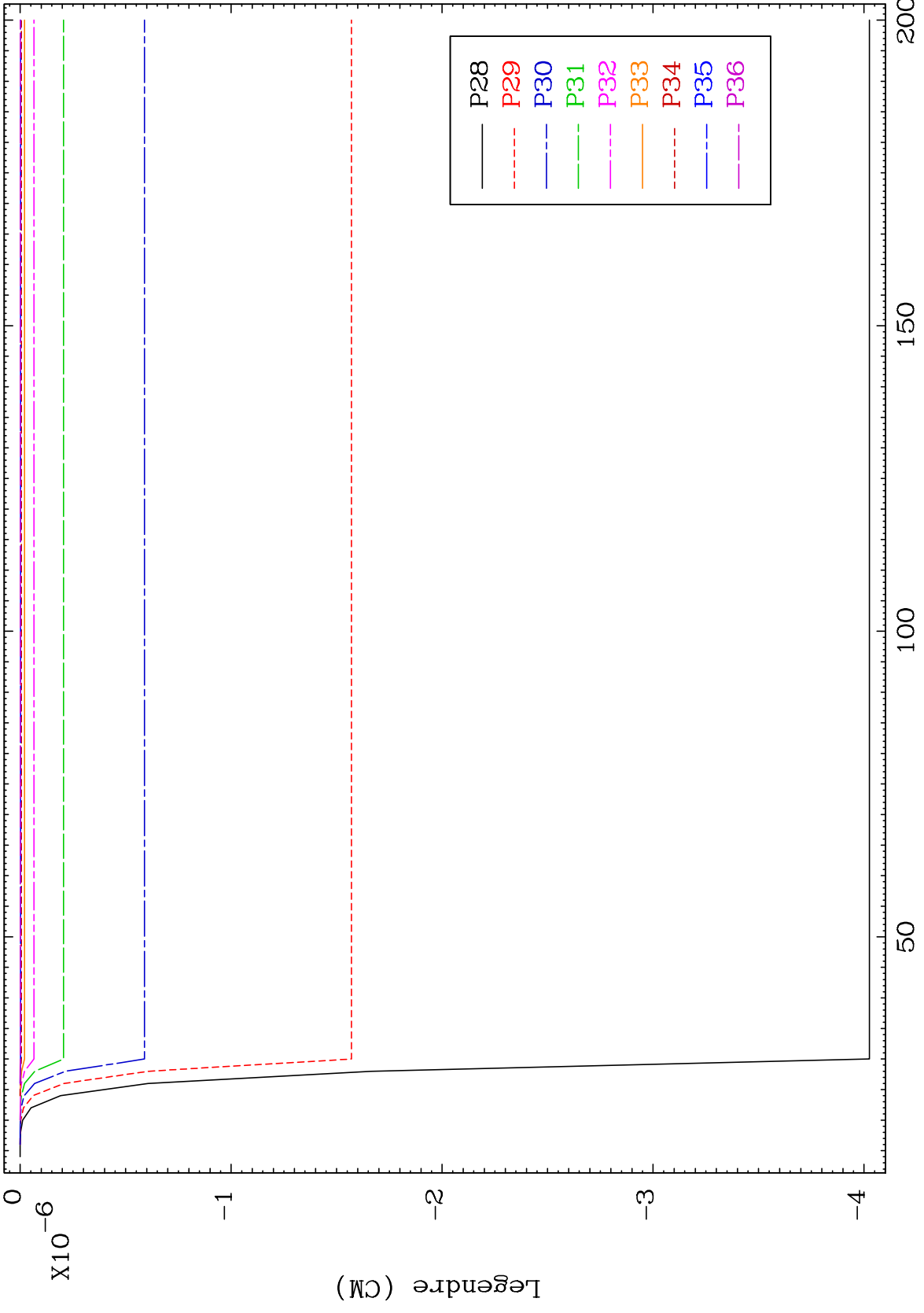


69

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-170



70

50

100

150

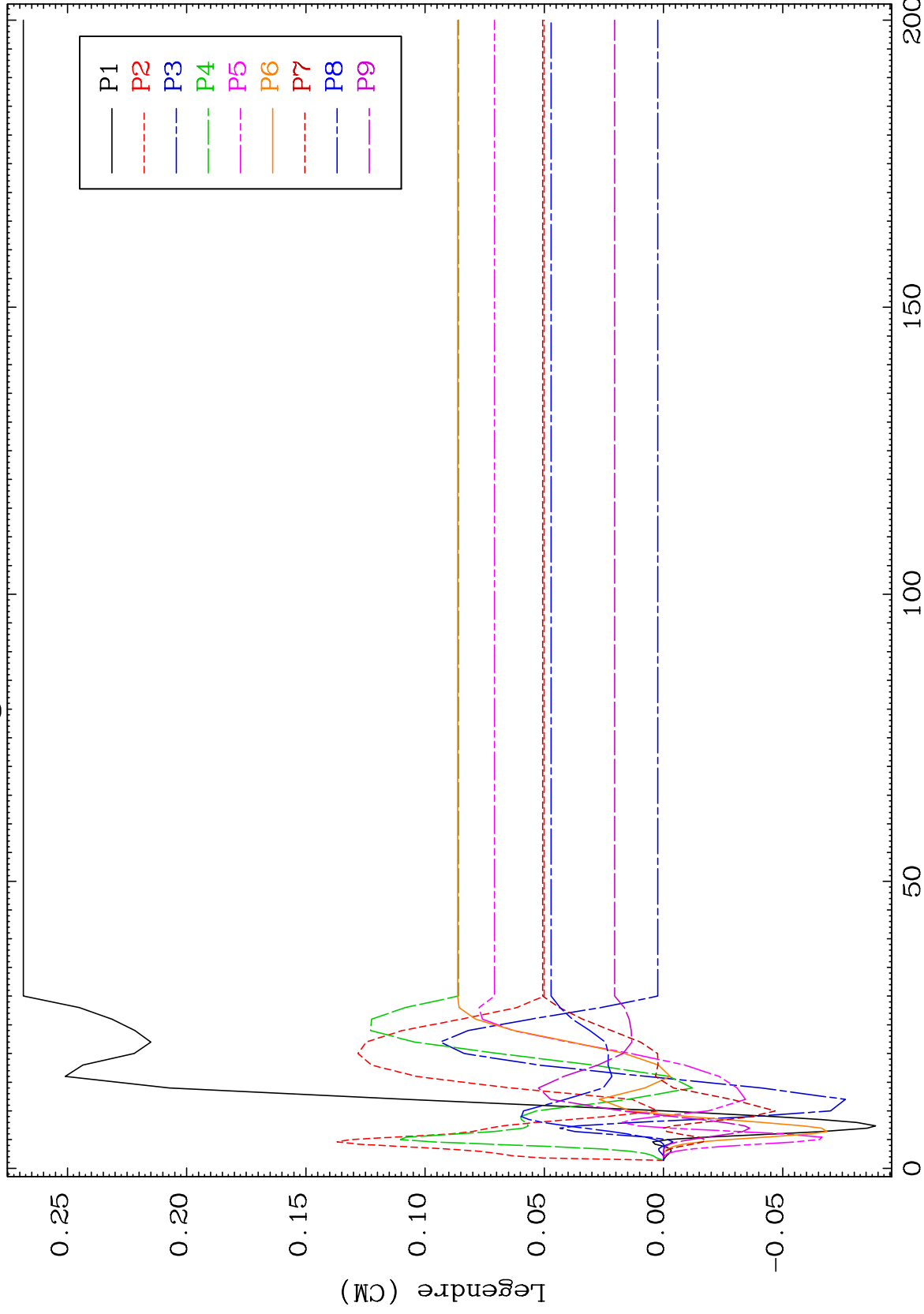
200

70-Yb-170

MAT 7031

MT= 65 (n,n') Level  
Legendre Coefficients

70-Yb-170

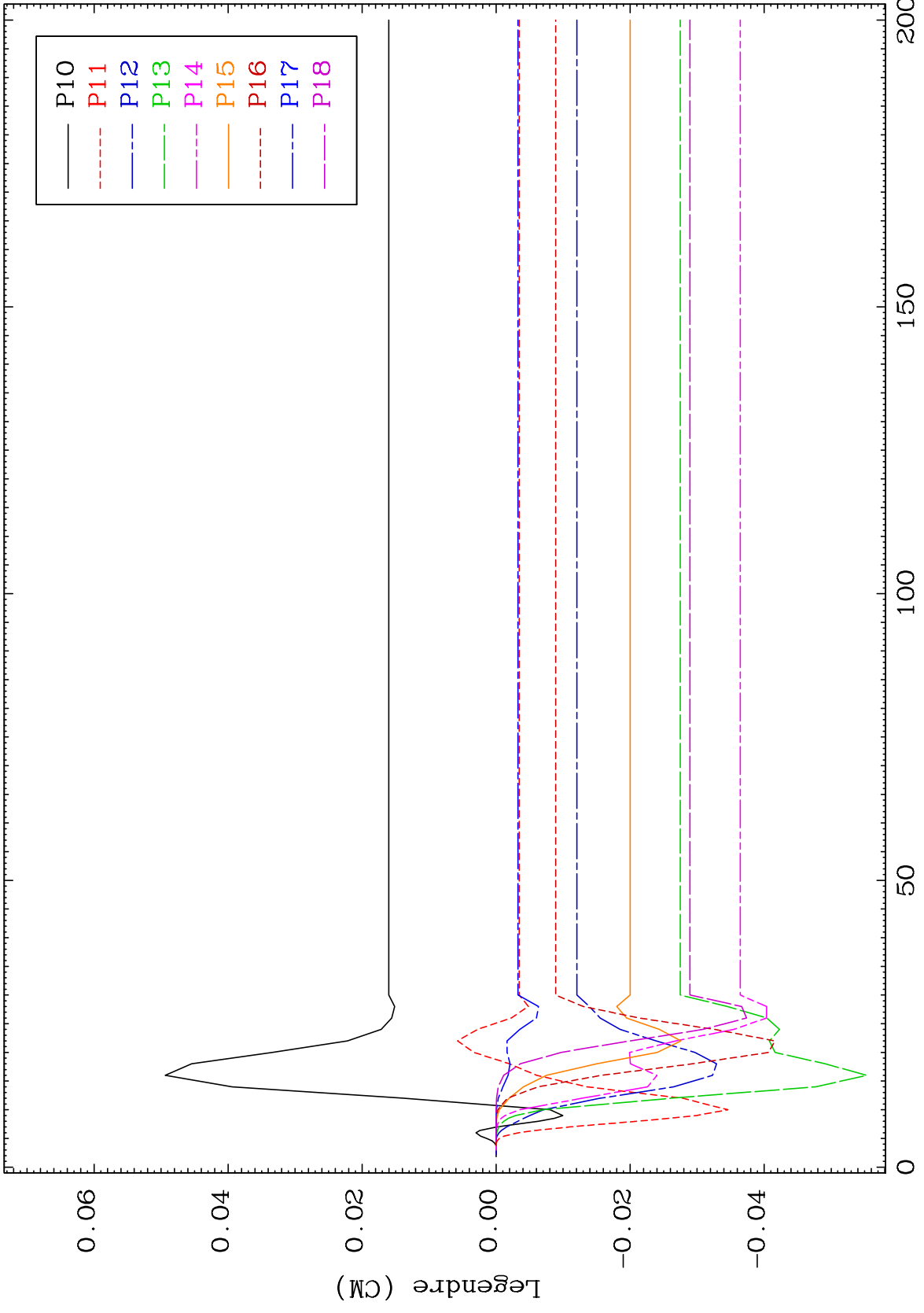


71

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-170

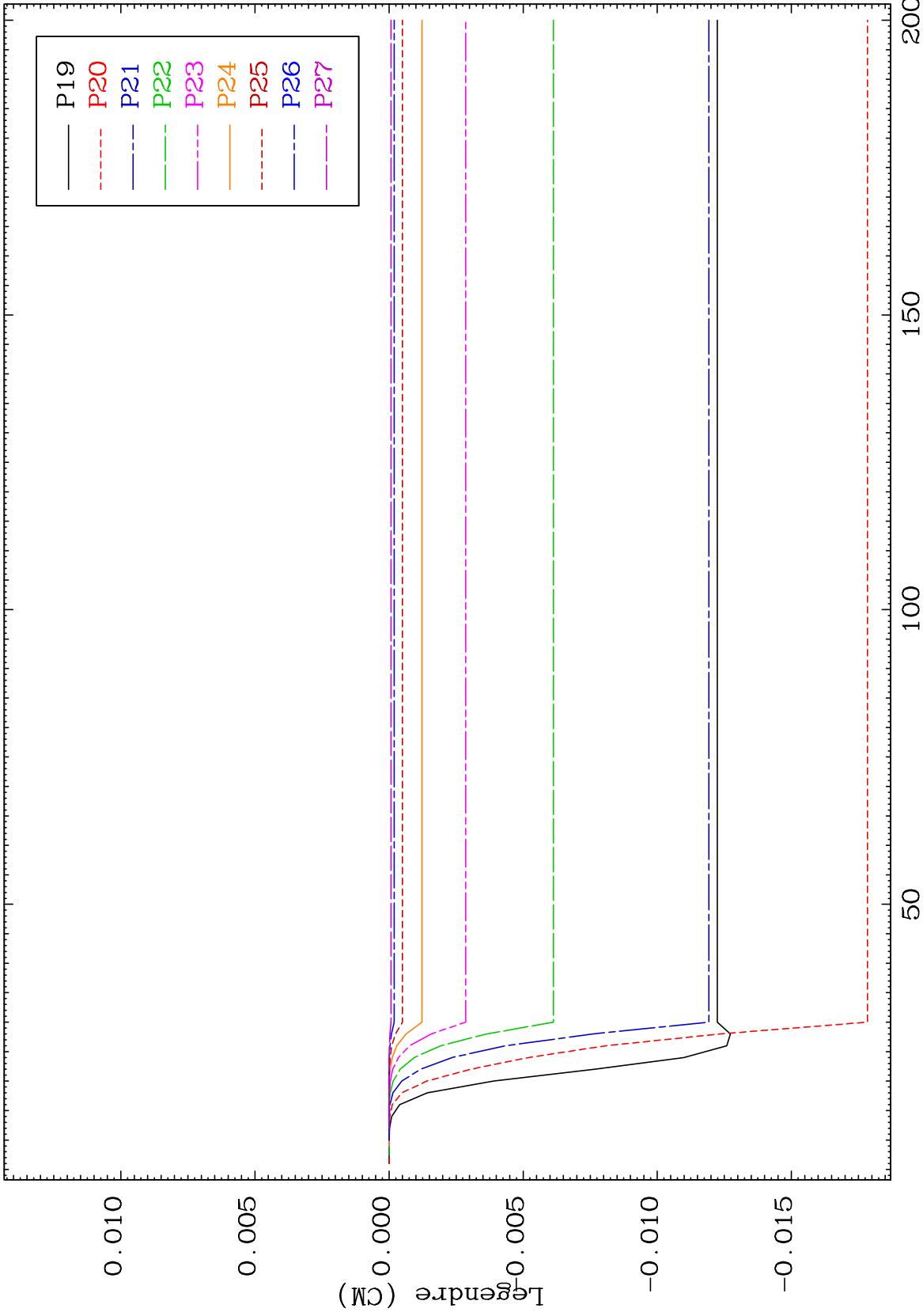


72 70-Yb-170

MAT 7031

MT= 65 (n,n') Level  
Legendre Coefficients

70-Yb-170

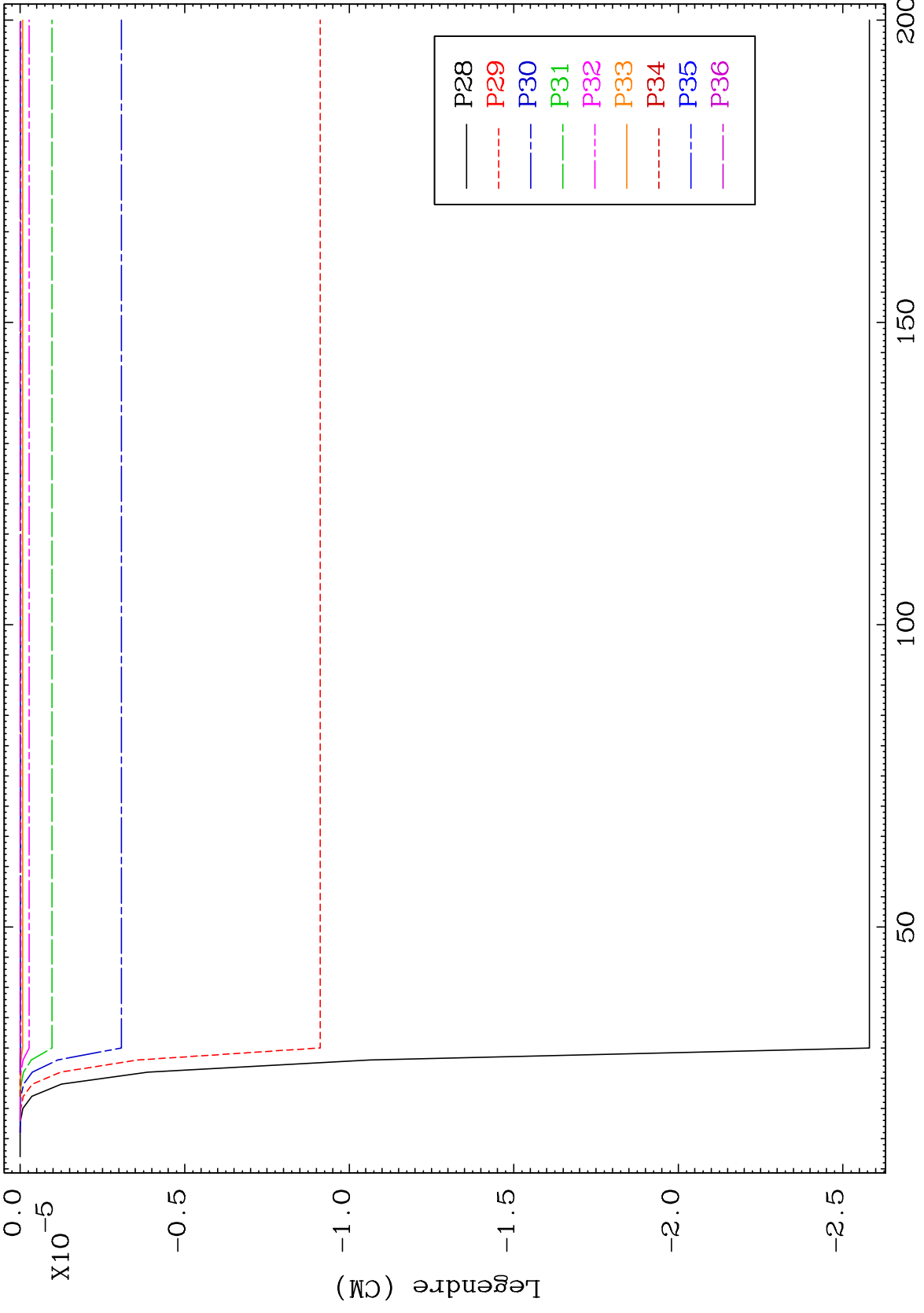


73

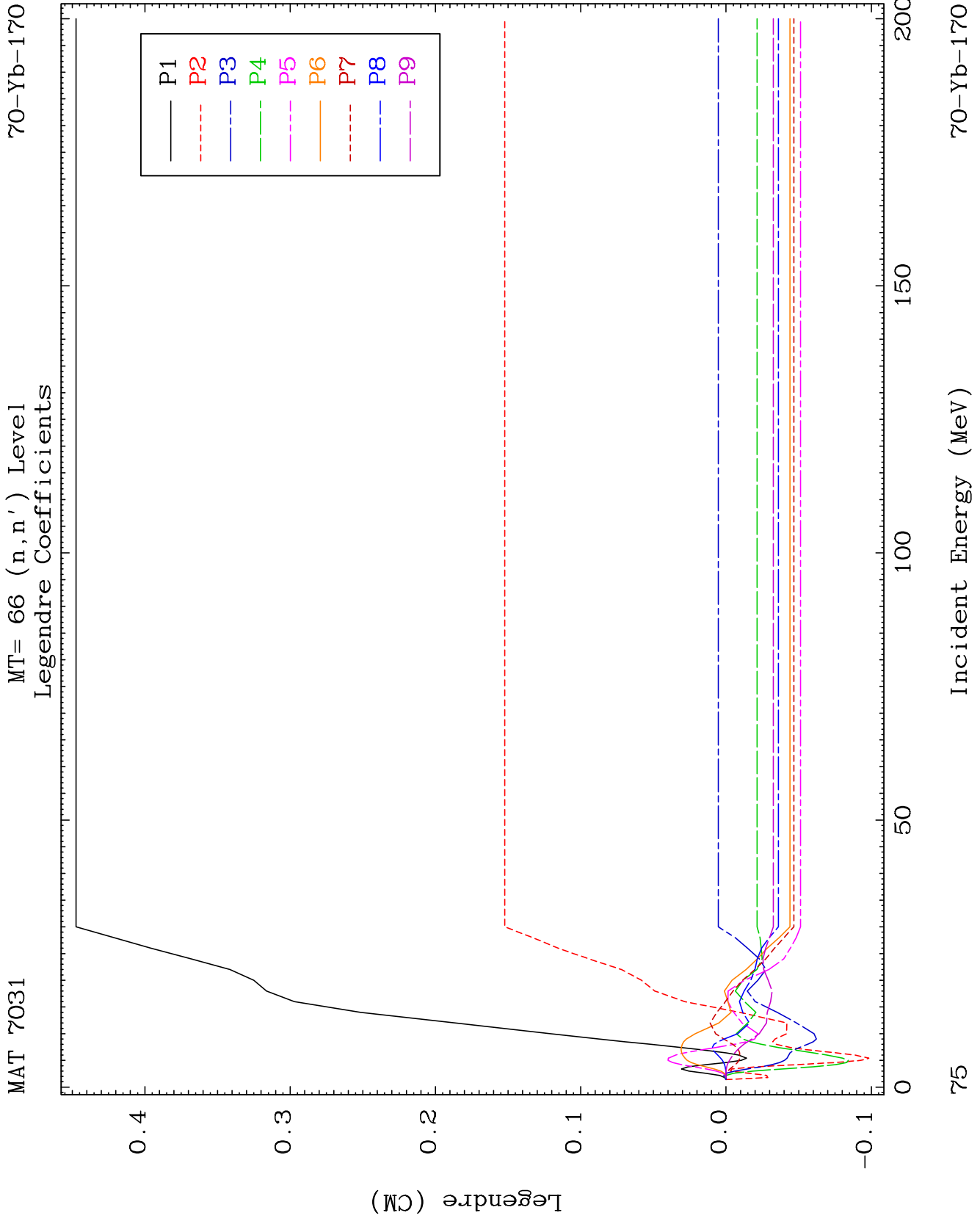
Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-170



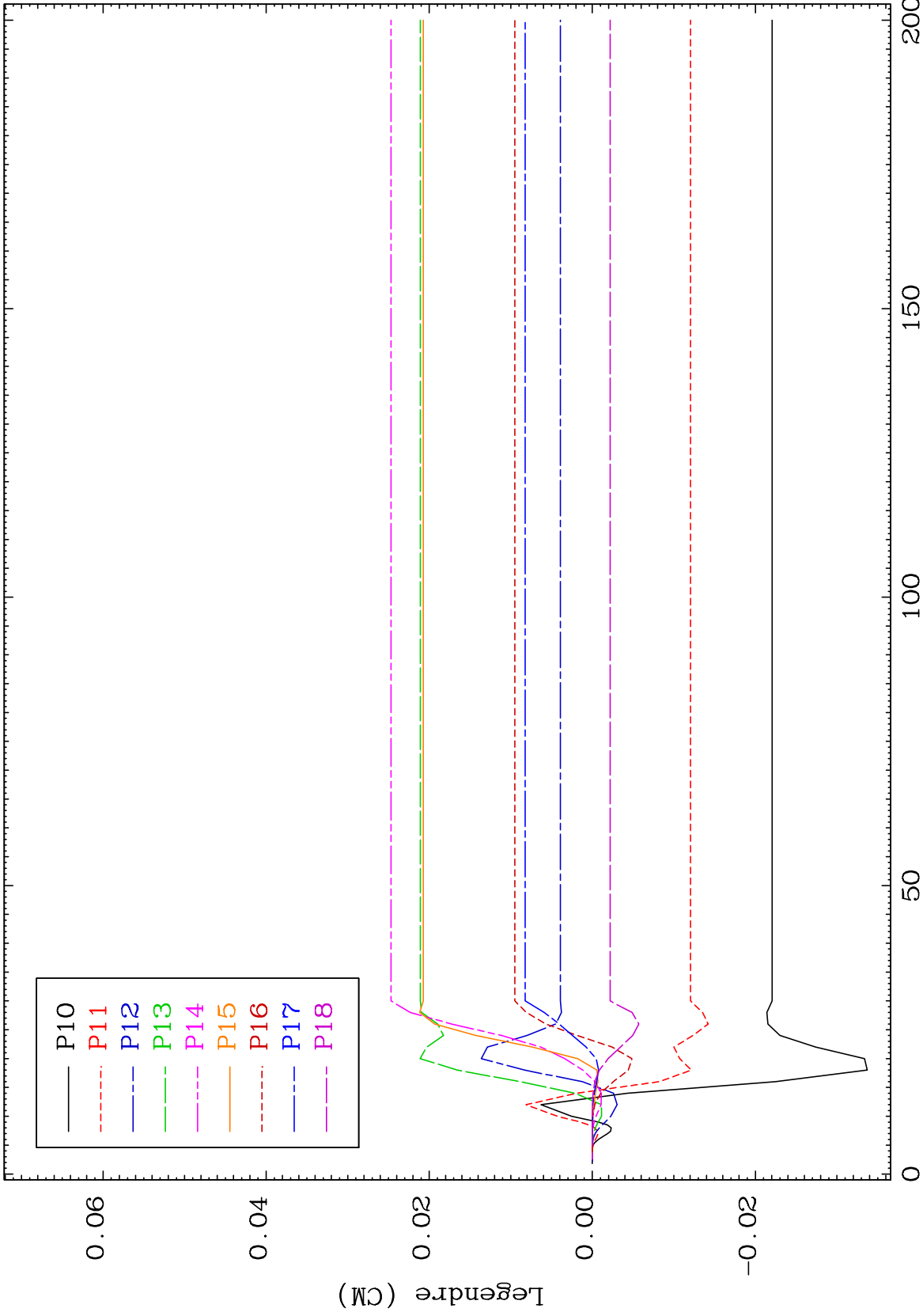
74 70-Yb-170



MAT 7031

MT= 66 (n,n') Level  
Legendre Coefficients

70-Yb-170



76

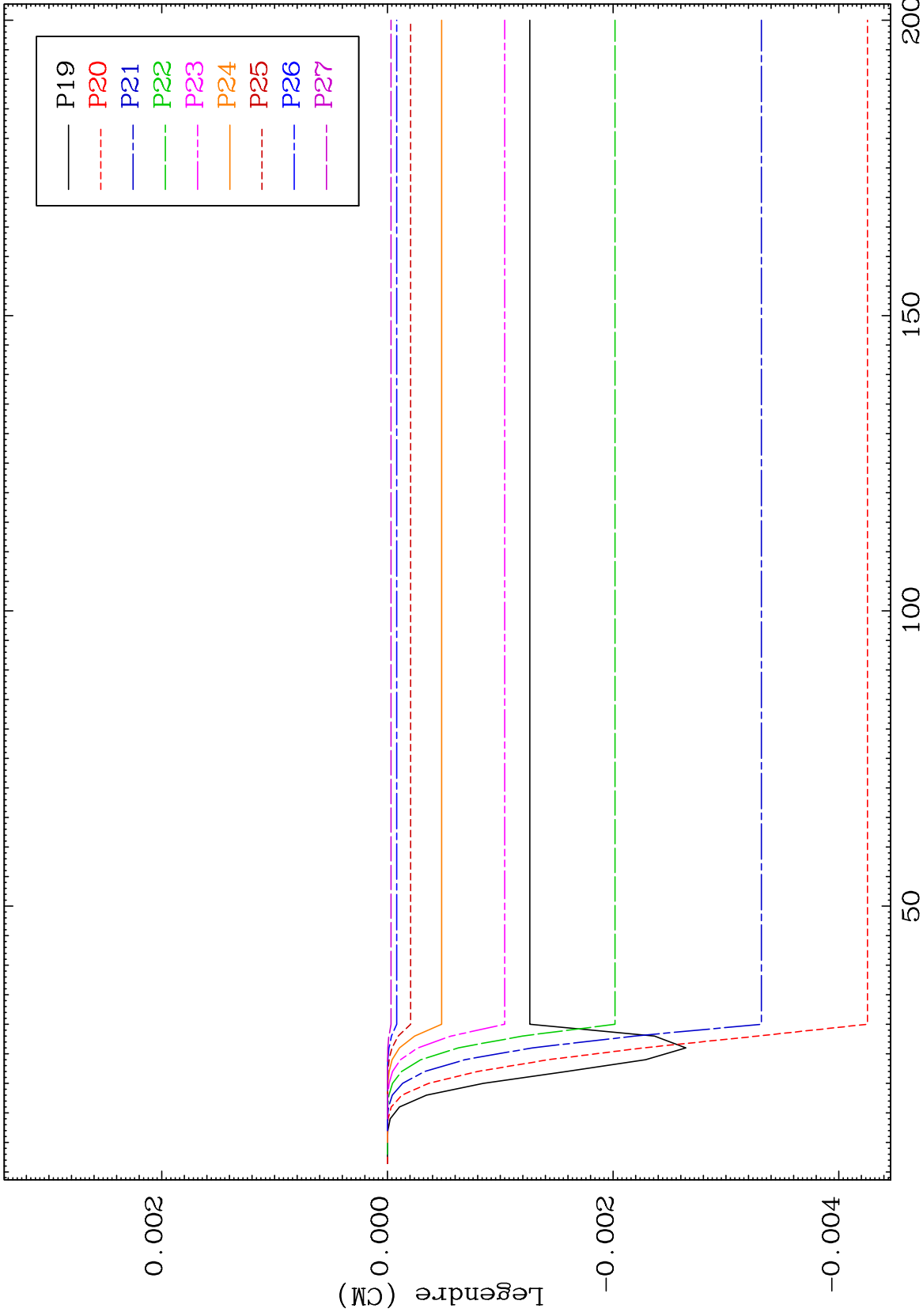
Incident Energy (MeV)

70-Yb-170

MAT 7031

MT= 66 (n,n') Level  
Legendre Coefficients

70-Yb-170

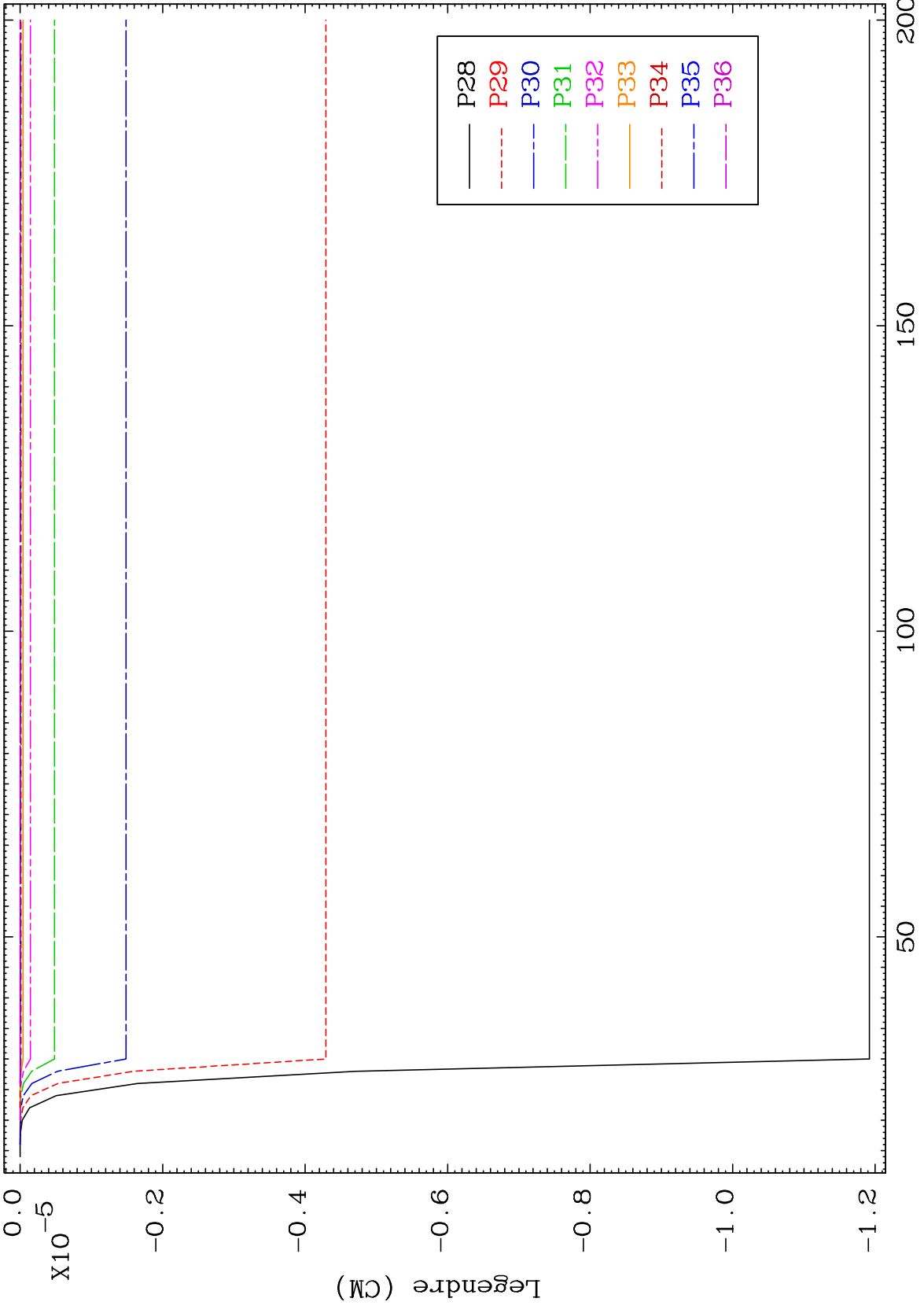


77

Incident Energy (MeV)

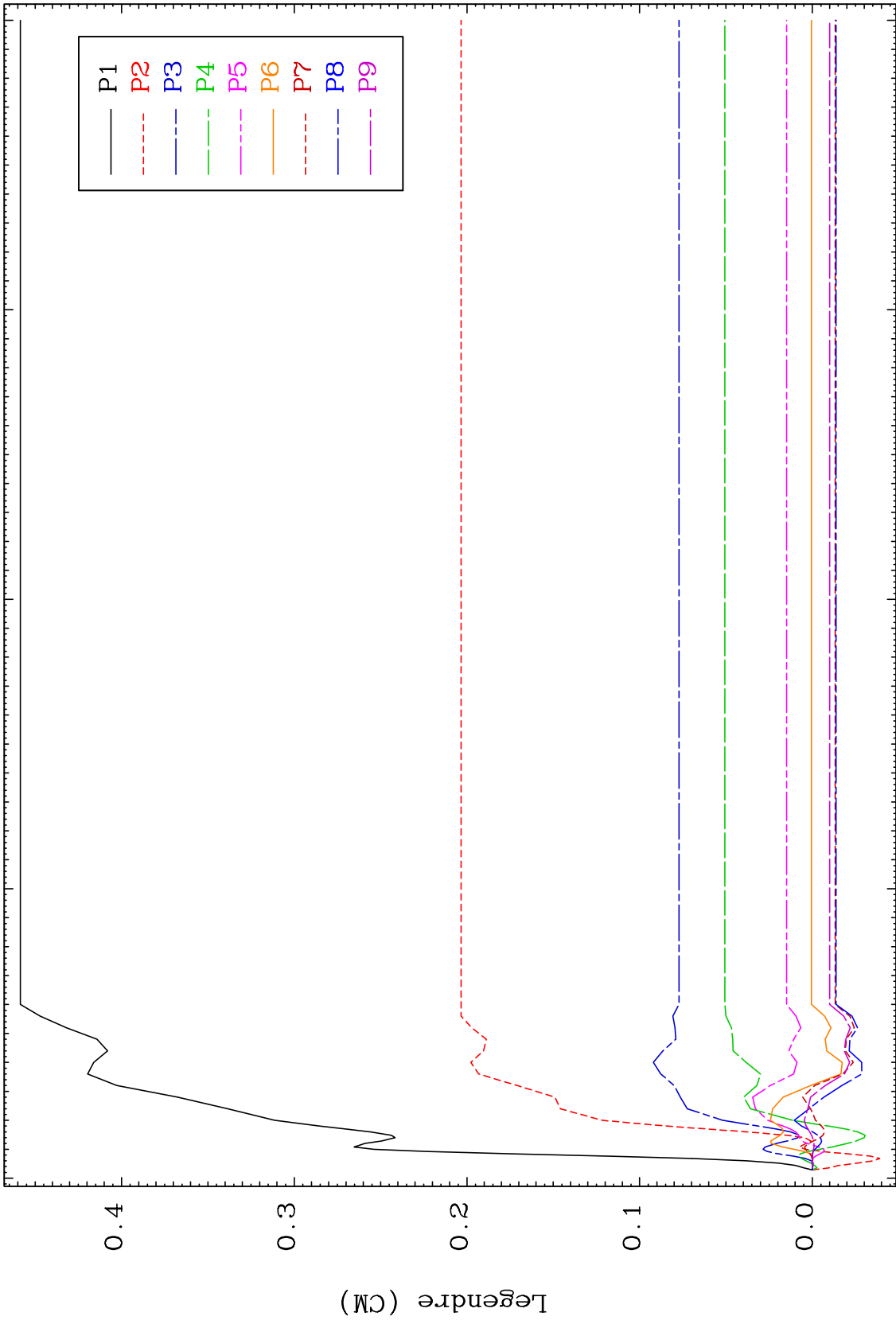
70-Yb-170

MAT 7031 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-170



78 Incident Energy (MeV) 70-Yb-170

MAT 7031 MT= 67 (n,n') Level Legendre Coefficients 70-Yb-170

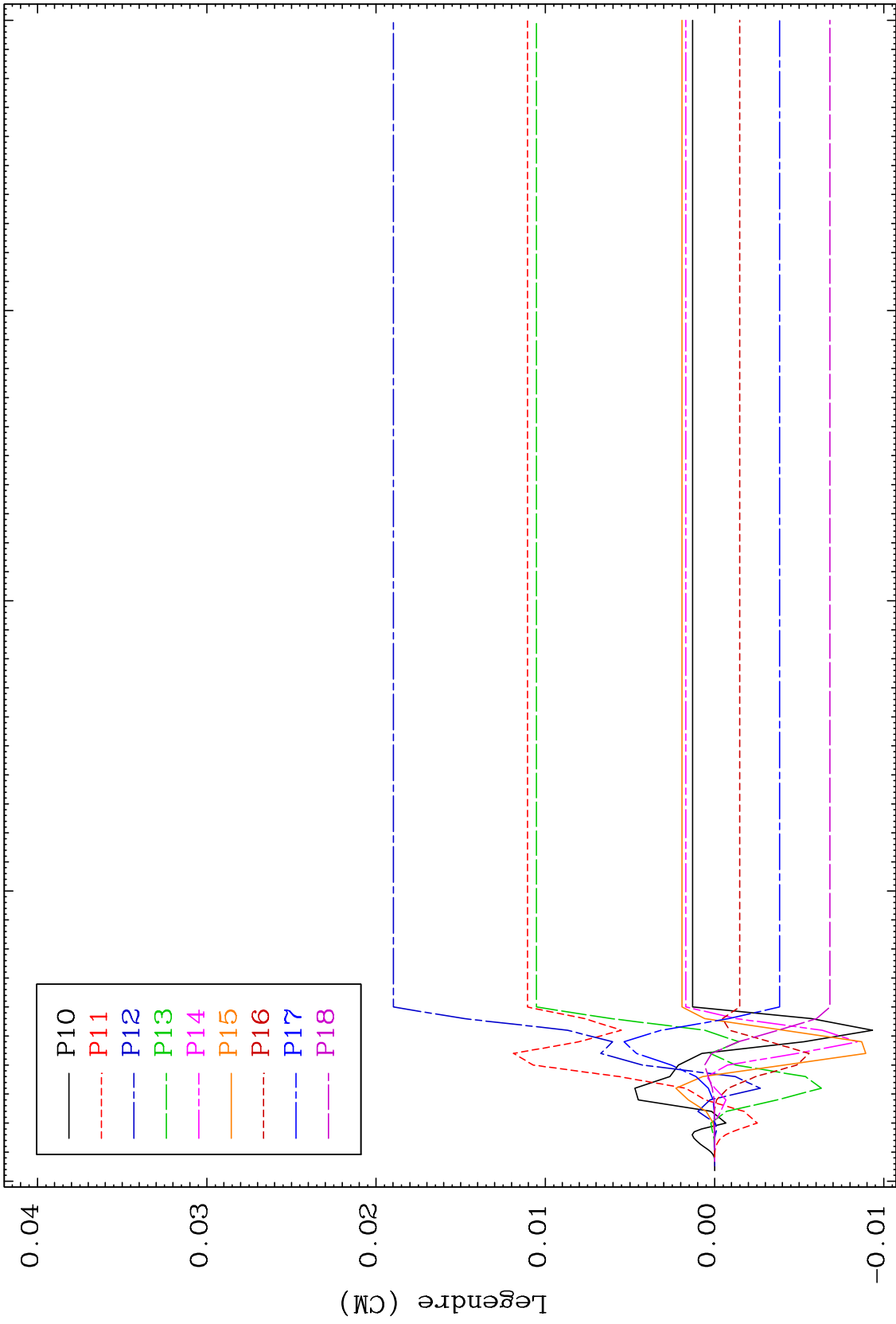


79 70-Yb-170

MAT 7031

MT= 67 (n,n') Level  
Legendre Coefficients

70-Yb-170



80

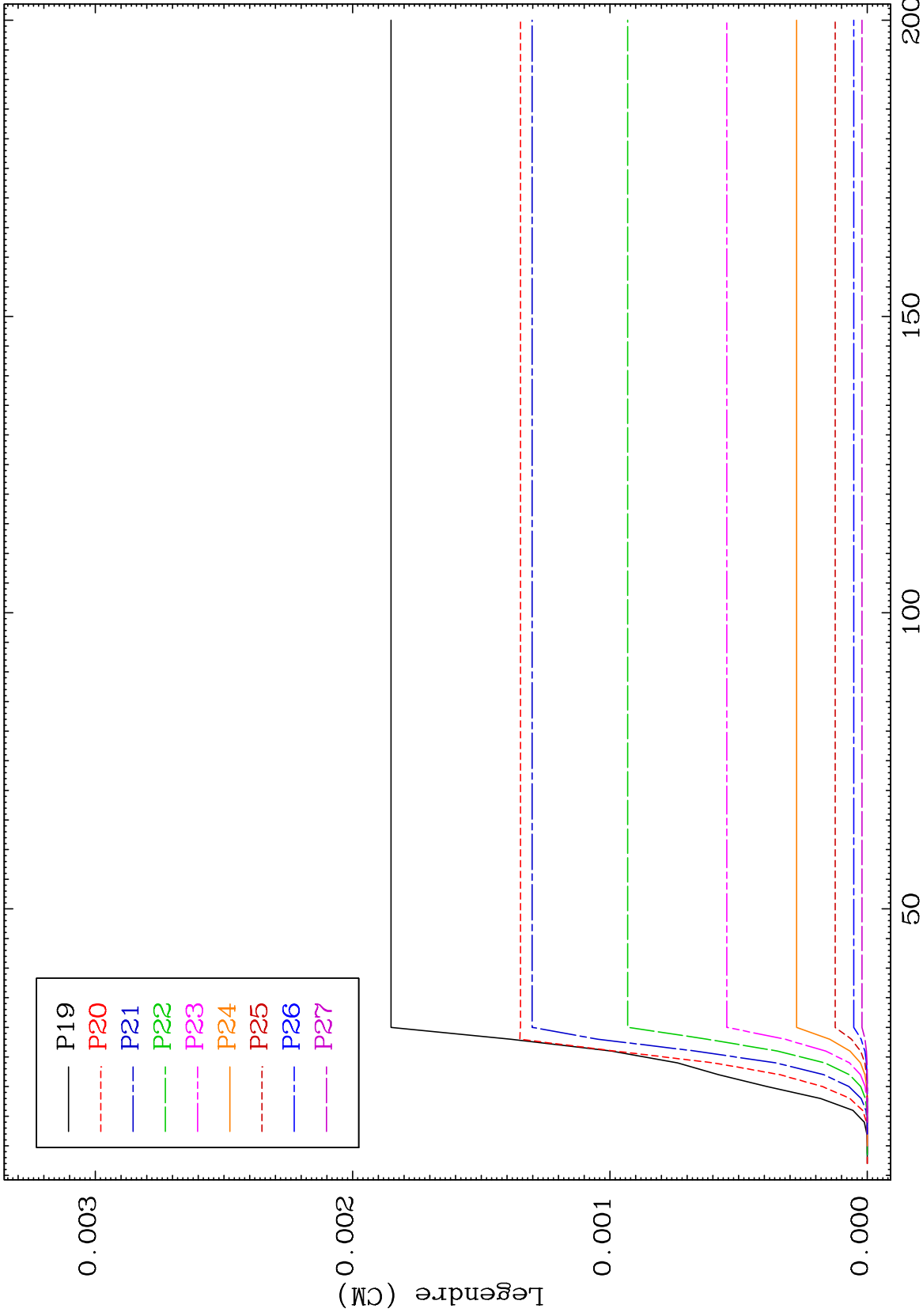
Incident Energy (MeV)

70-Yb-170

MAT 7031

MT= 67 (n,n') Level  
Legendre Coefficients

70-Yb-170



81

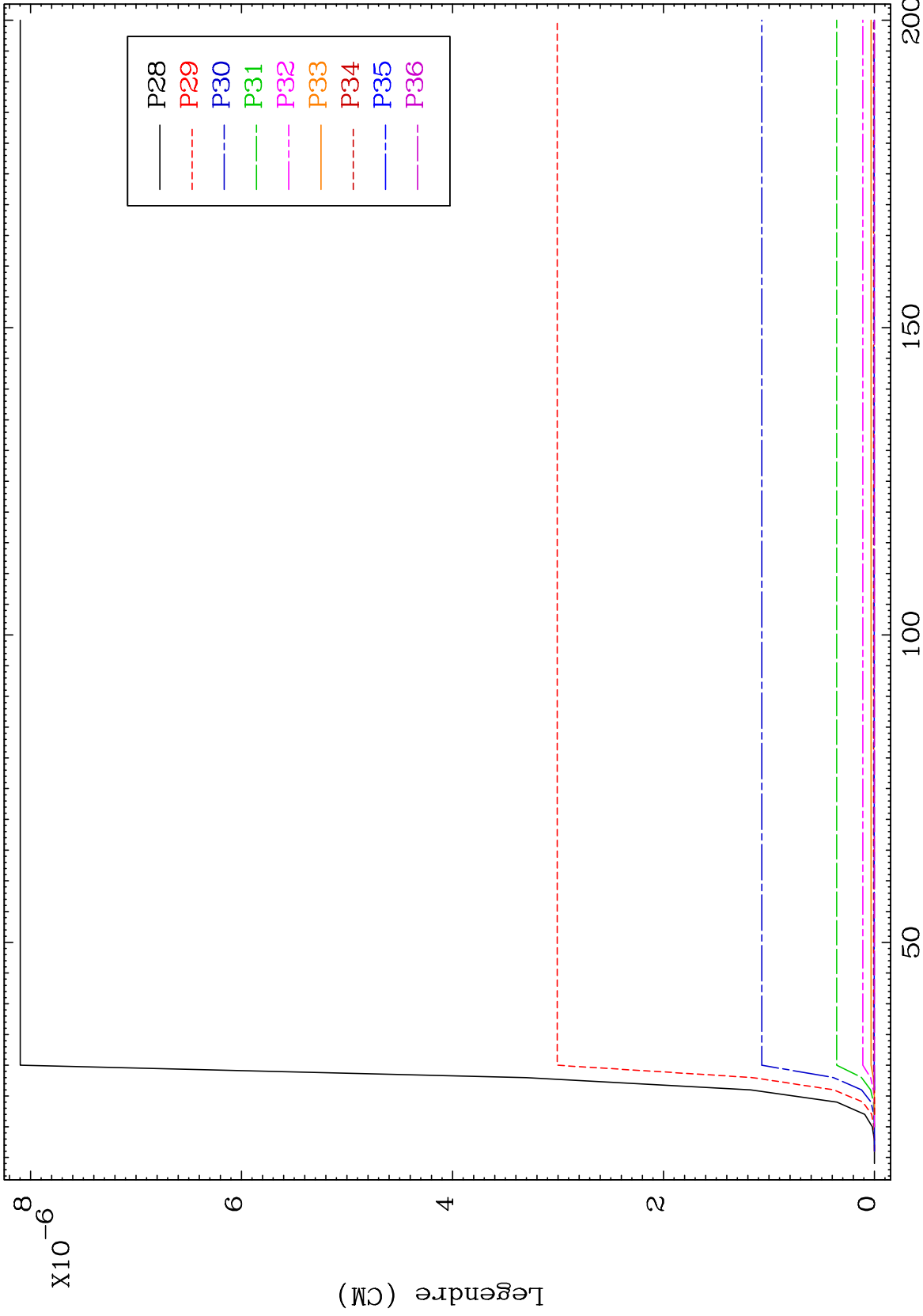
Incident Energy (MeV)

70-Yb-170

MAT 7031

MT= 67 (n,n') Level  
Legendre Coefficients

70-Yb-170

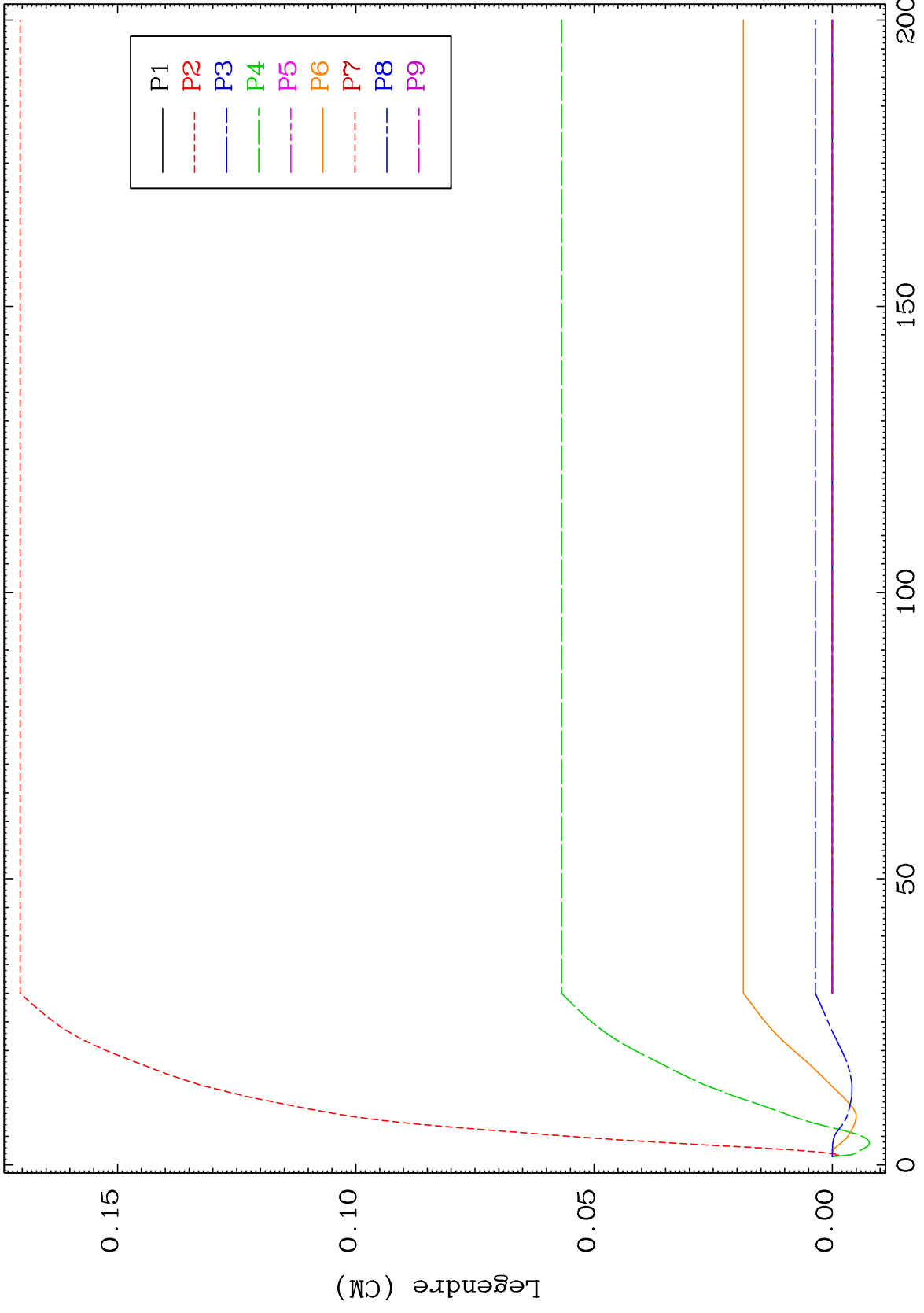


82

Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-170

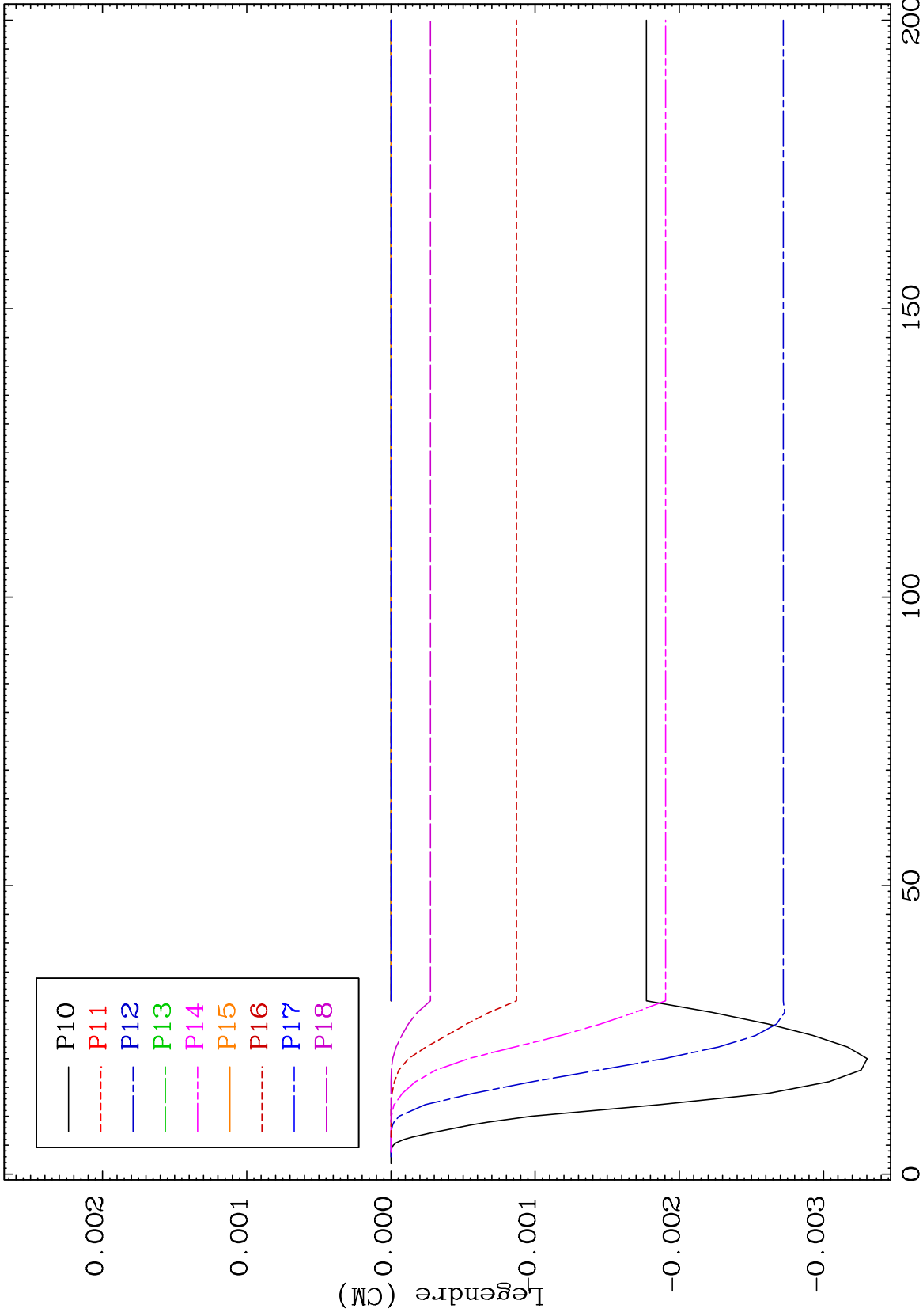


83 Incident Energy (MeV) 70-Yb-170

MAT 7031

MT= 68 (n,n') Level  
Legendre Coefficients

70-Yb-170

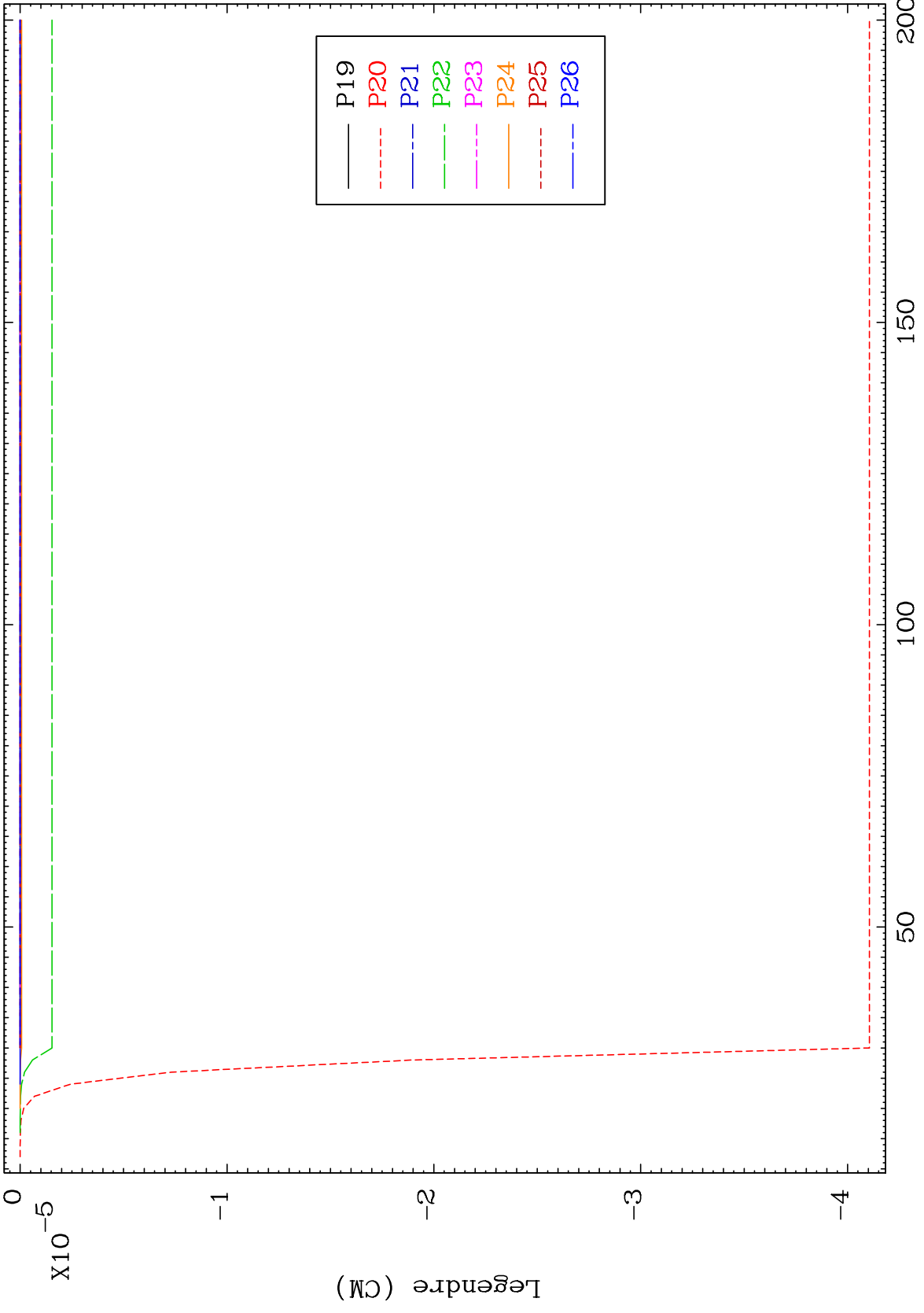


84

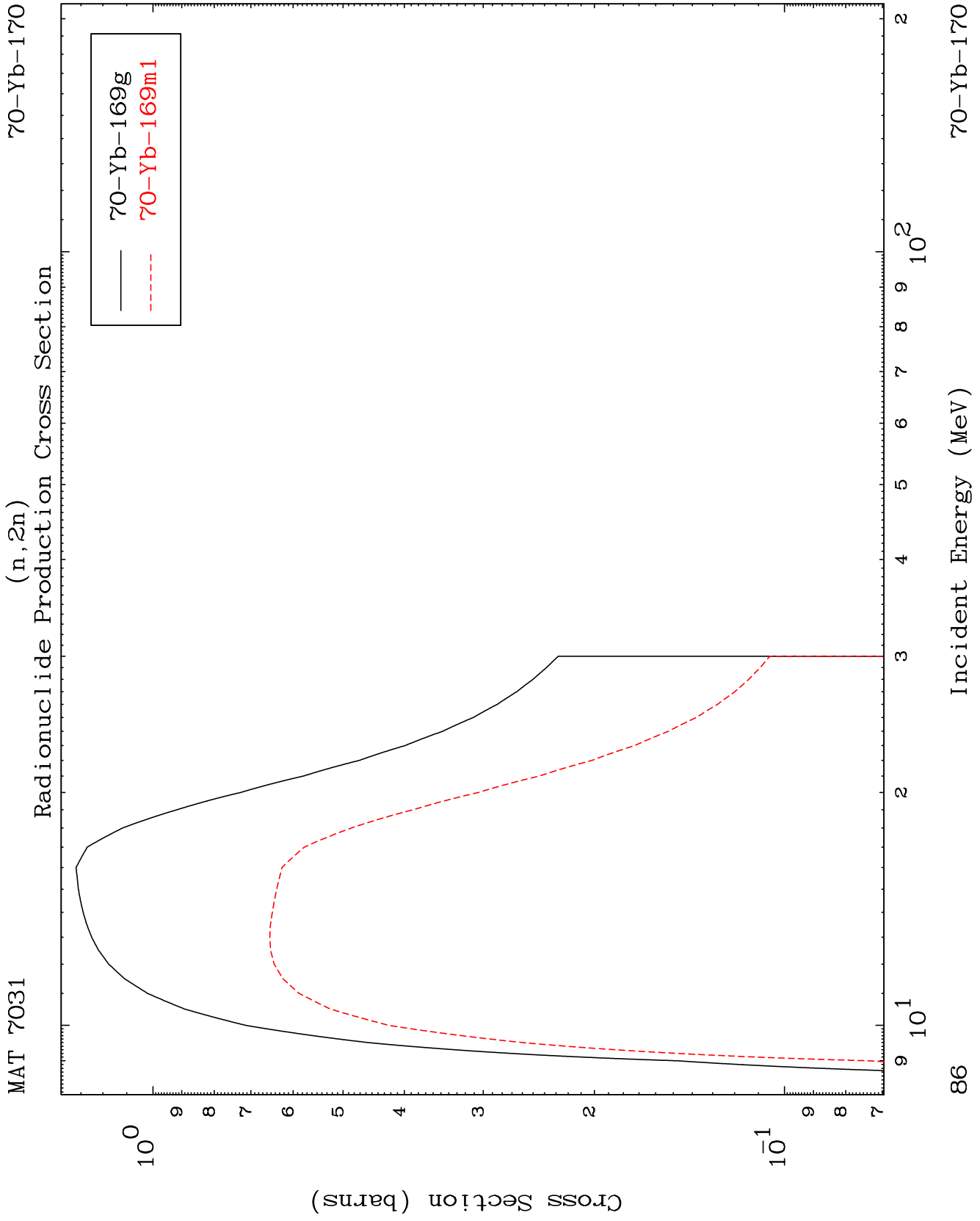
Incident Energy (MeV)

70-Yb-170

MAT 7031 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-170



85 Incident Energy (MeV) 200 70-Yb-170

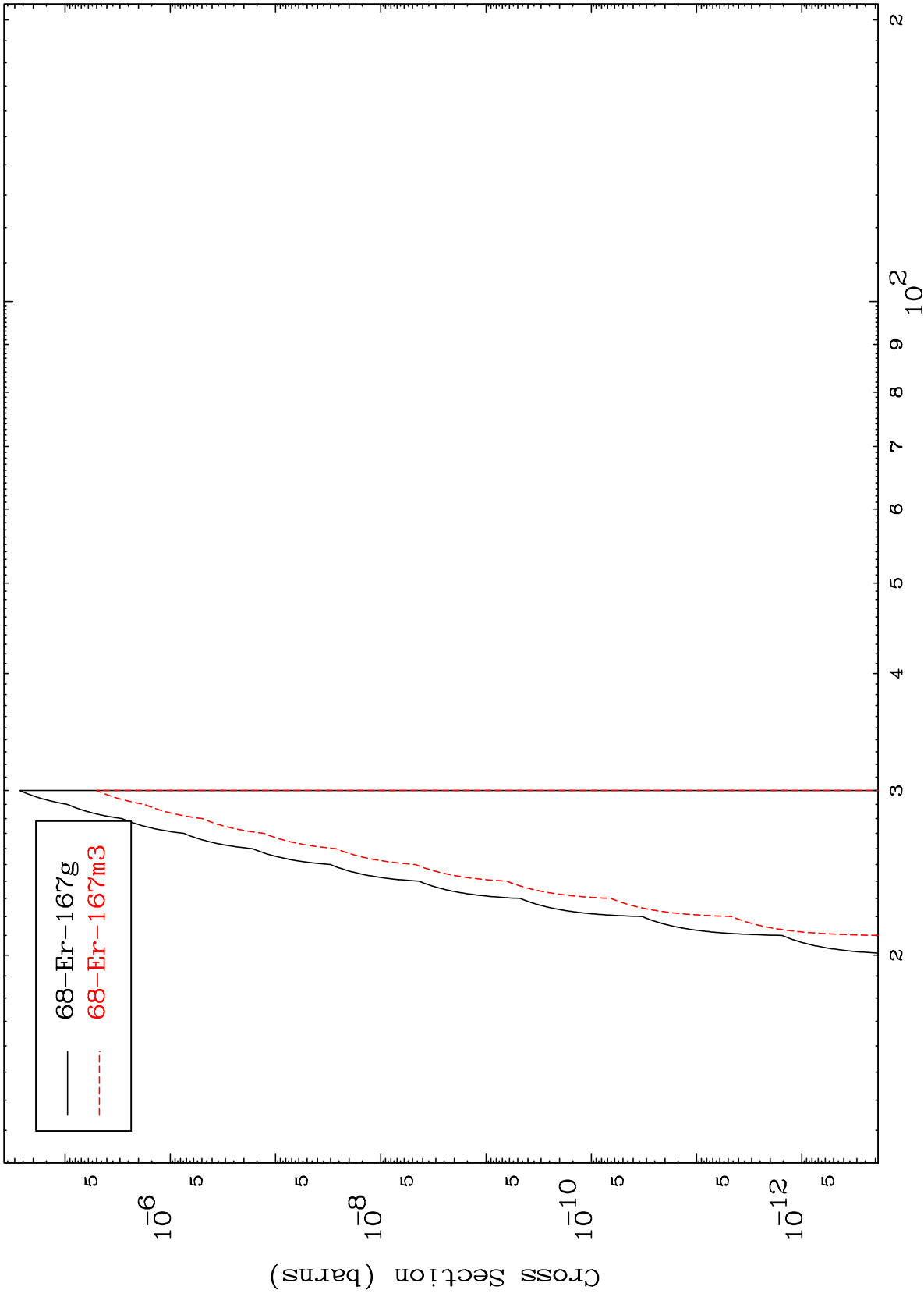


MAT 7031

(n, n') He-3

70-Yb-170

Radionuclide Production Cross Section



87

Incident Energy (MeV)

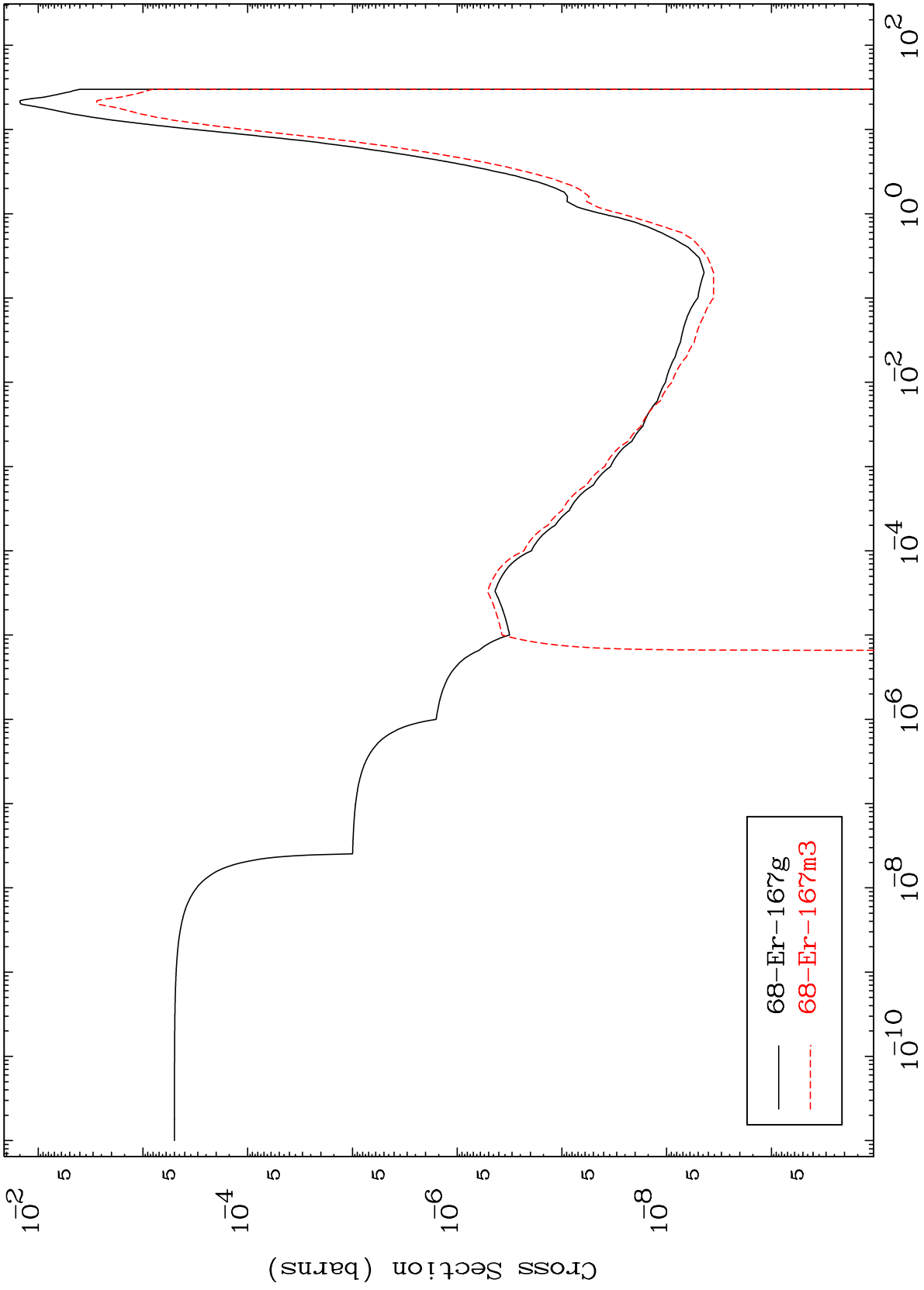
70-Yb-170

MAT 7031

70-Yb-170

Radionuclide Production Cross Section

(n,  $\alpha$ )



88

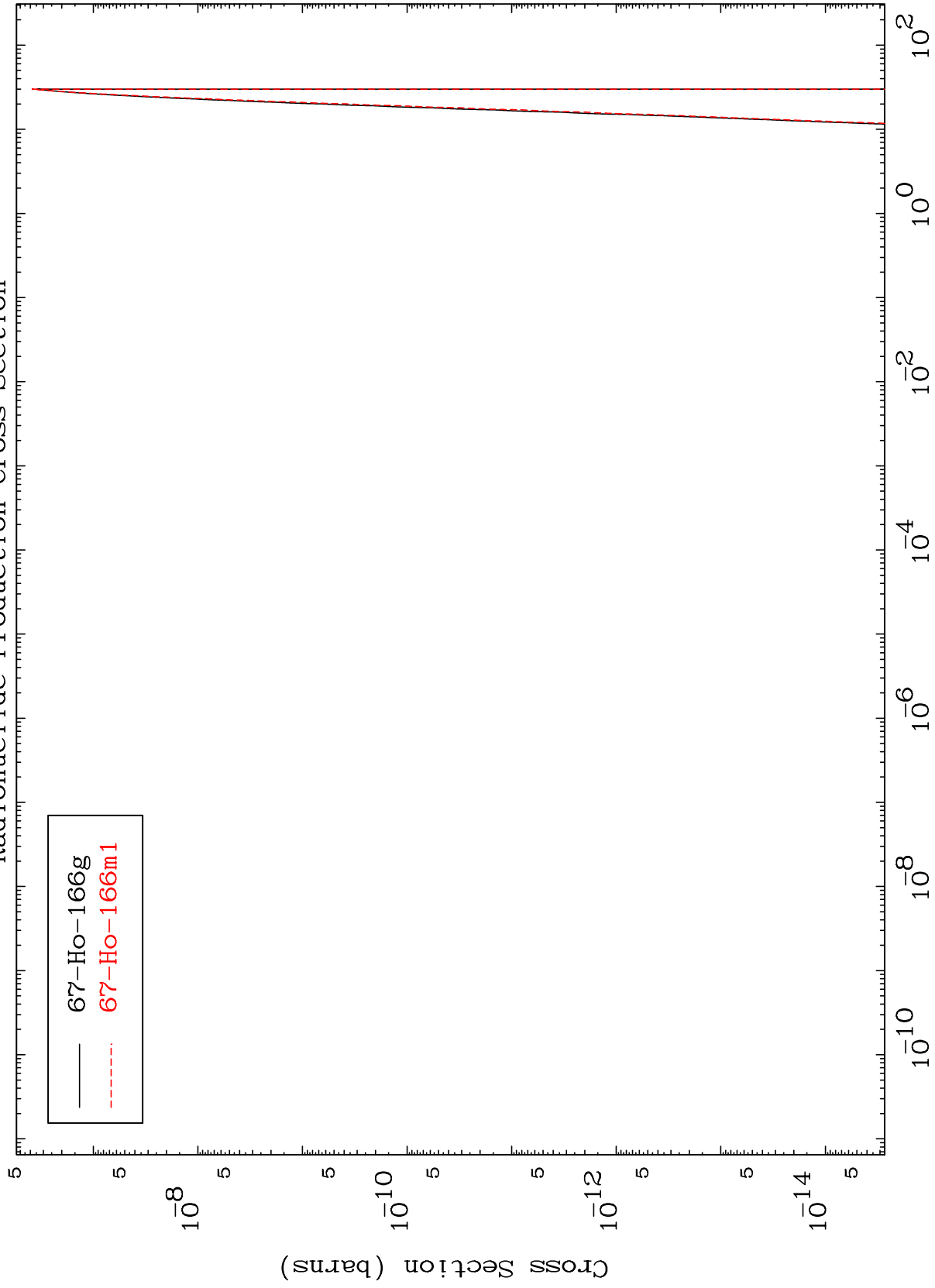
70-Yb-170

MAT 7031

(n,p)  $\alpha$

70-Yb-170

Radionuclide Production Cross Section



89

Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,p) t

70-Yb-170

Radionuclide Production Cross Section

