

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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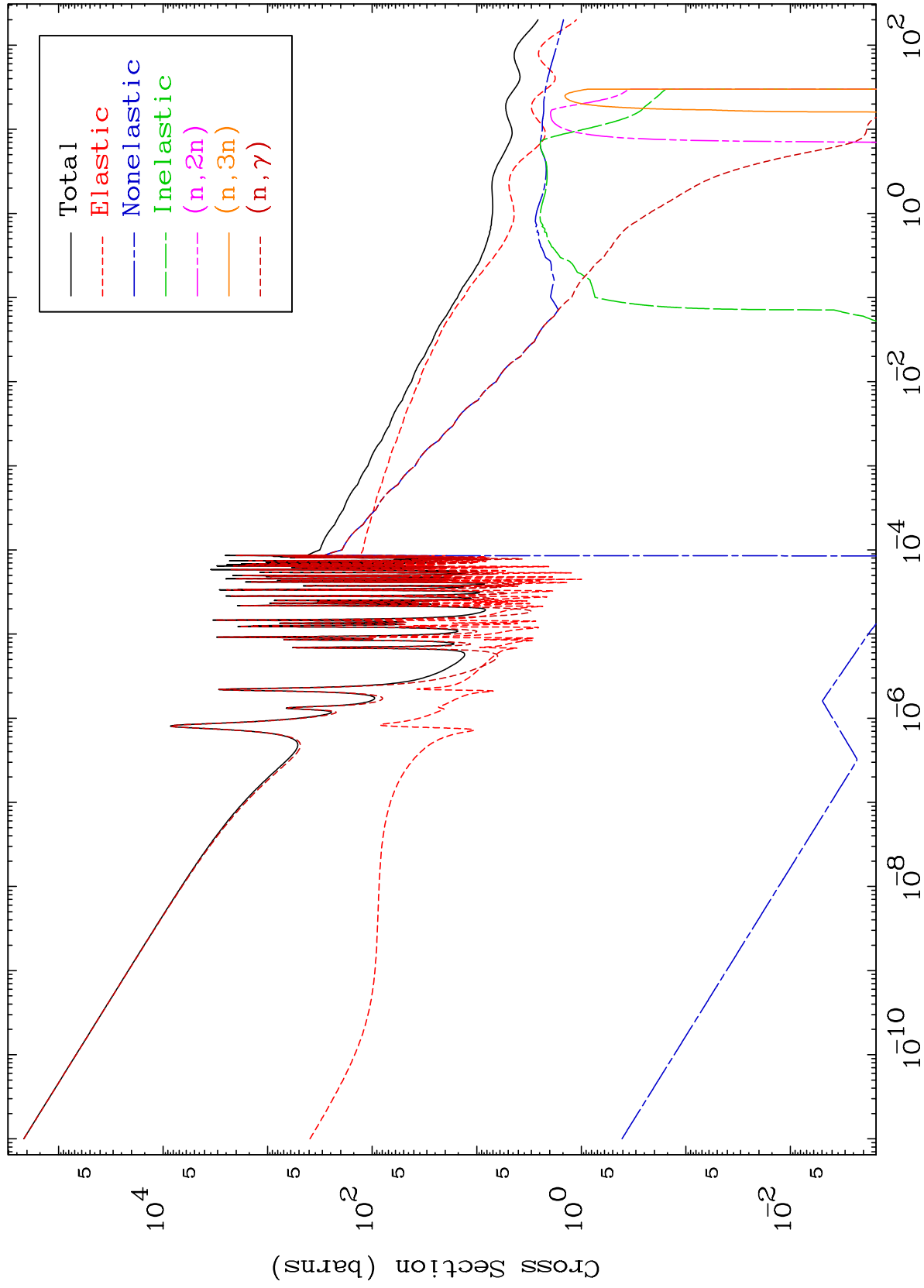
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7028

Neutron Major  
293 Kelvin Cross Sections

70-Yb-169



1

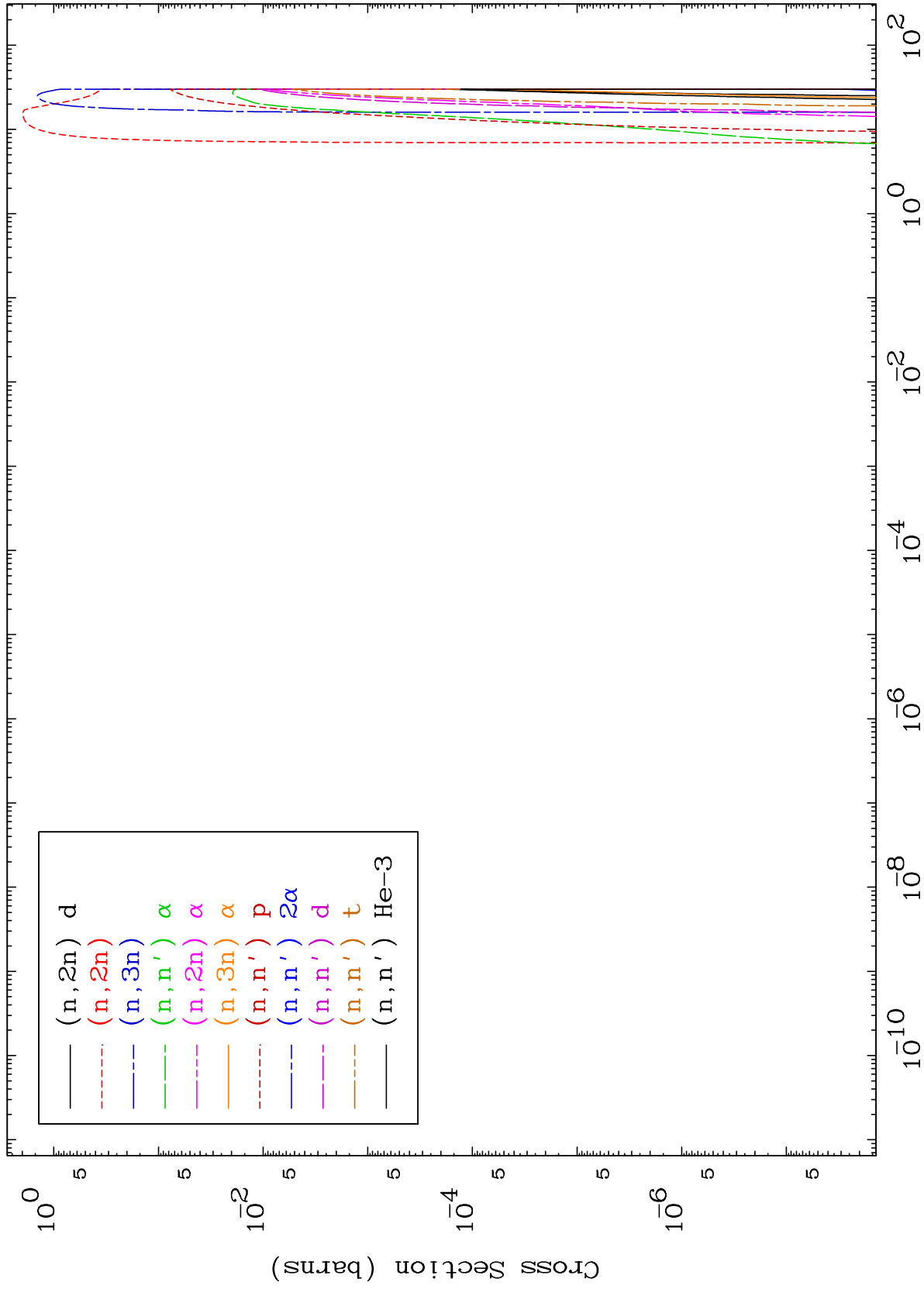
Incident Energy (MeV)

70-Yb-169

MAT 7028

Neutron Absorption  
293 Kelvin Cross Sections

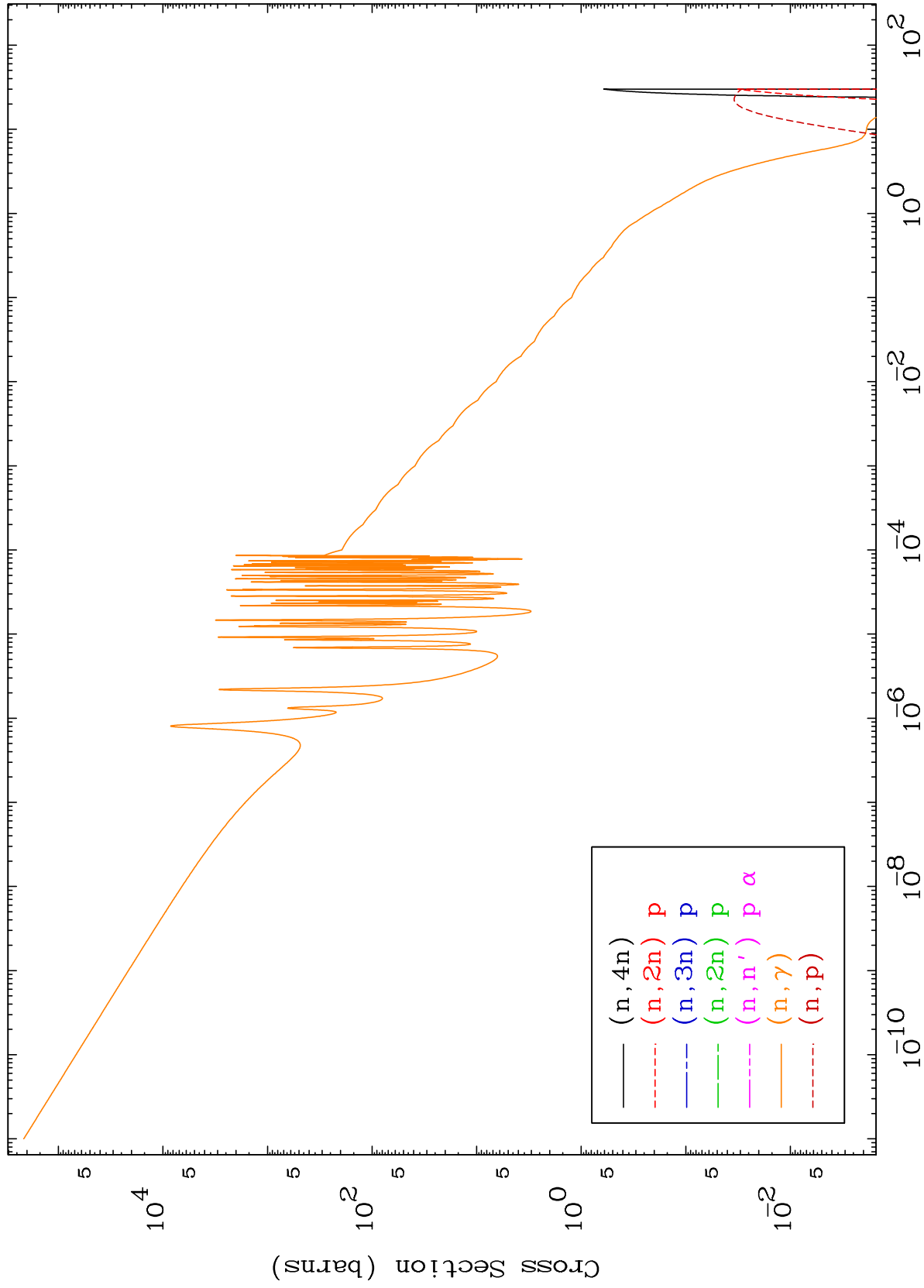
70-Yb-169



2

Incident Energy (MeV)

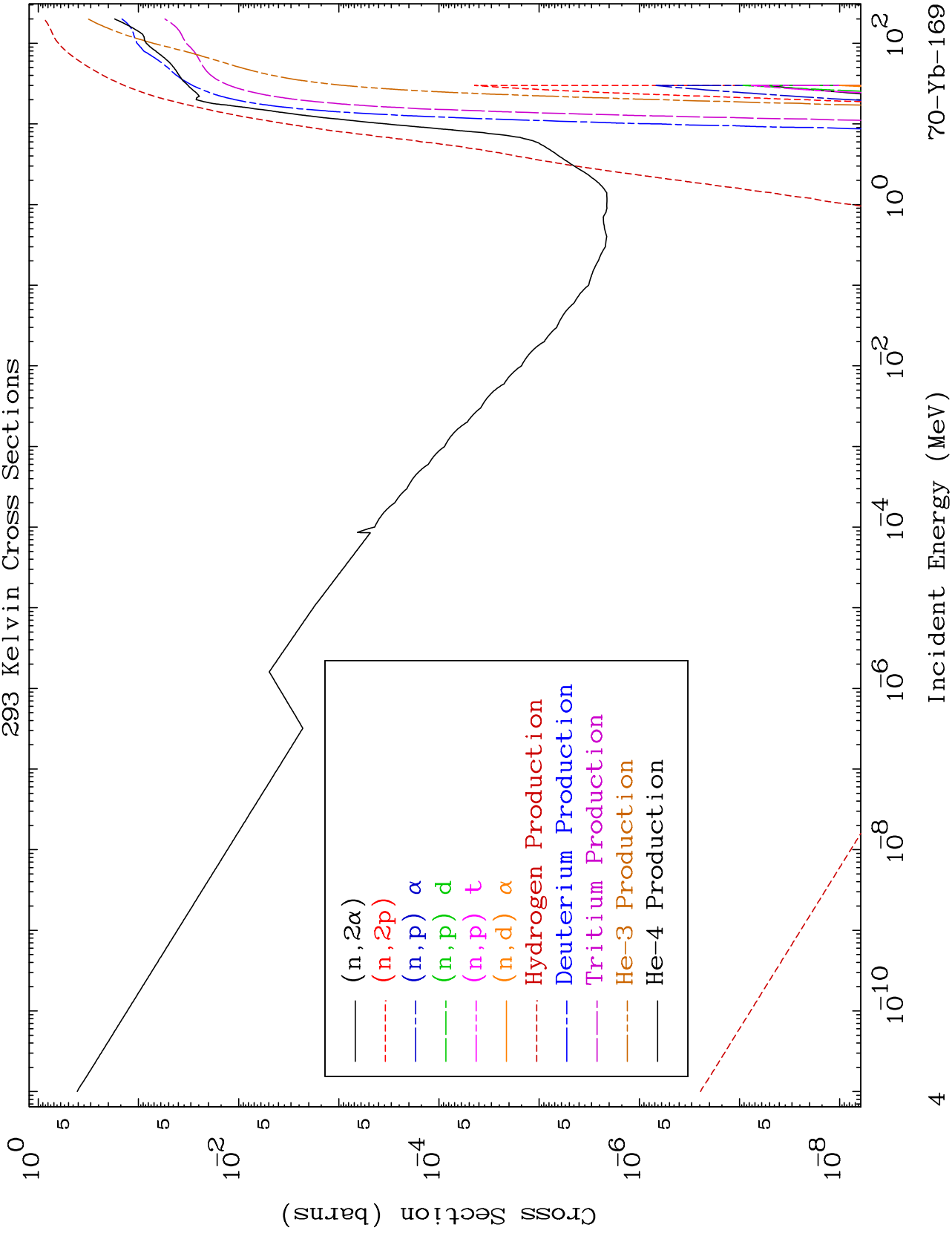
70-Yb-169

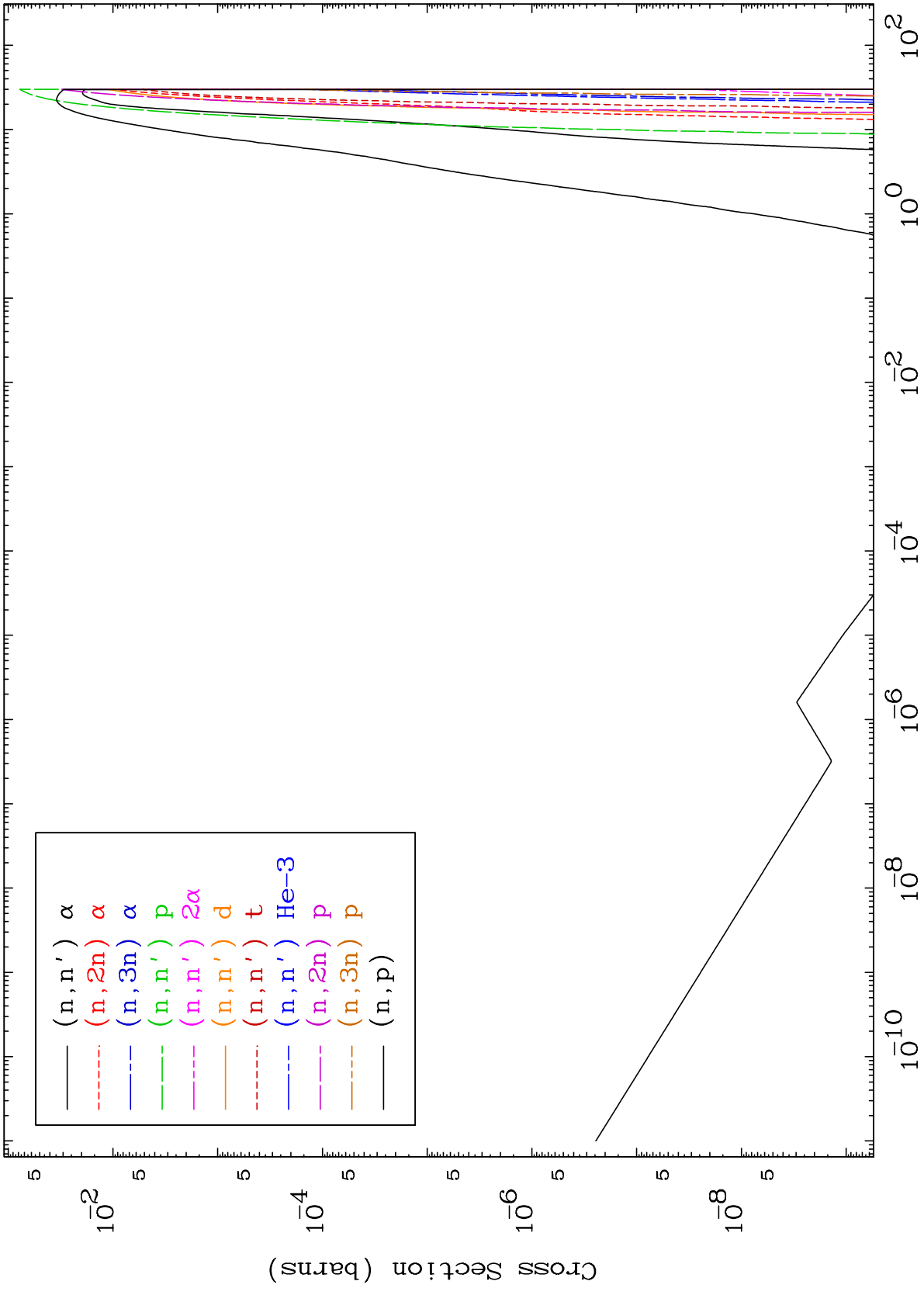


MAT 7028

Neutron Absorption  
293 Kelvin Cross Sections

70-Yb-169

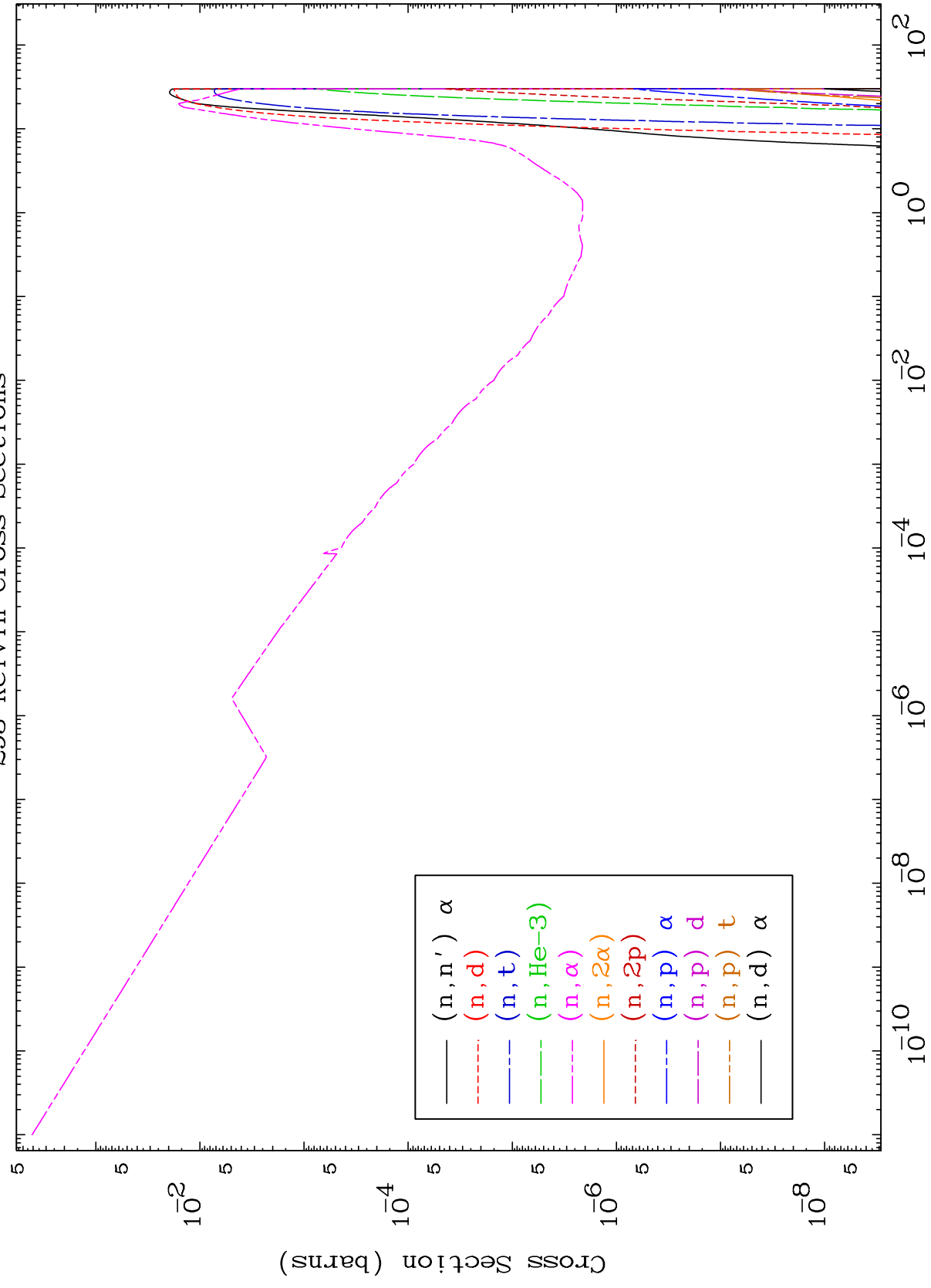




MAT 7028

Charged Particle  
293 Kelvin Cross Sections

70-Yb-169

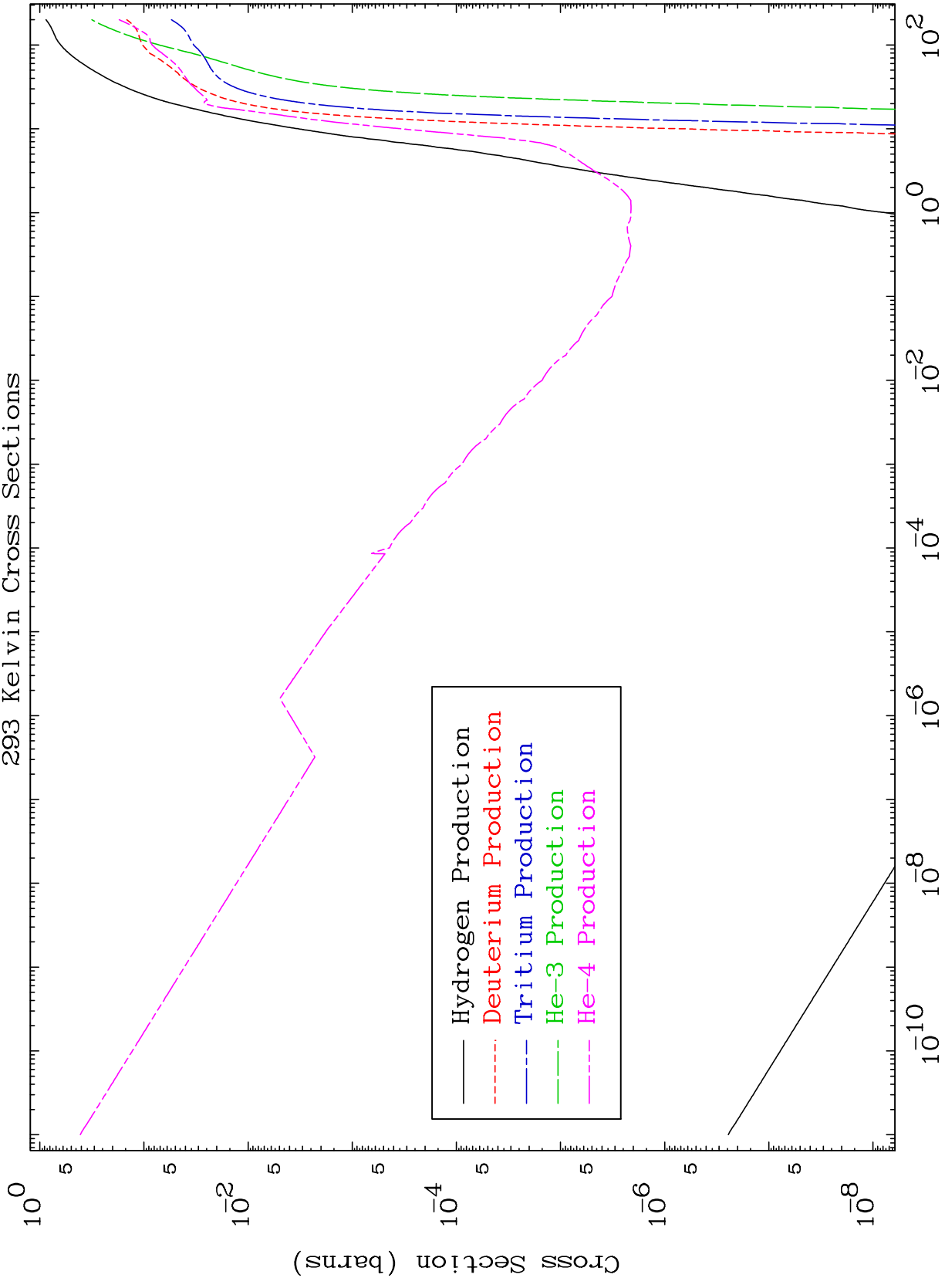


70-Yb-169

MAT 7028

Particle Production  
293 Kelvin Cross Sections

70-Yb-169

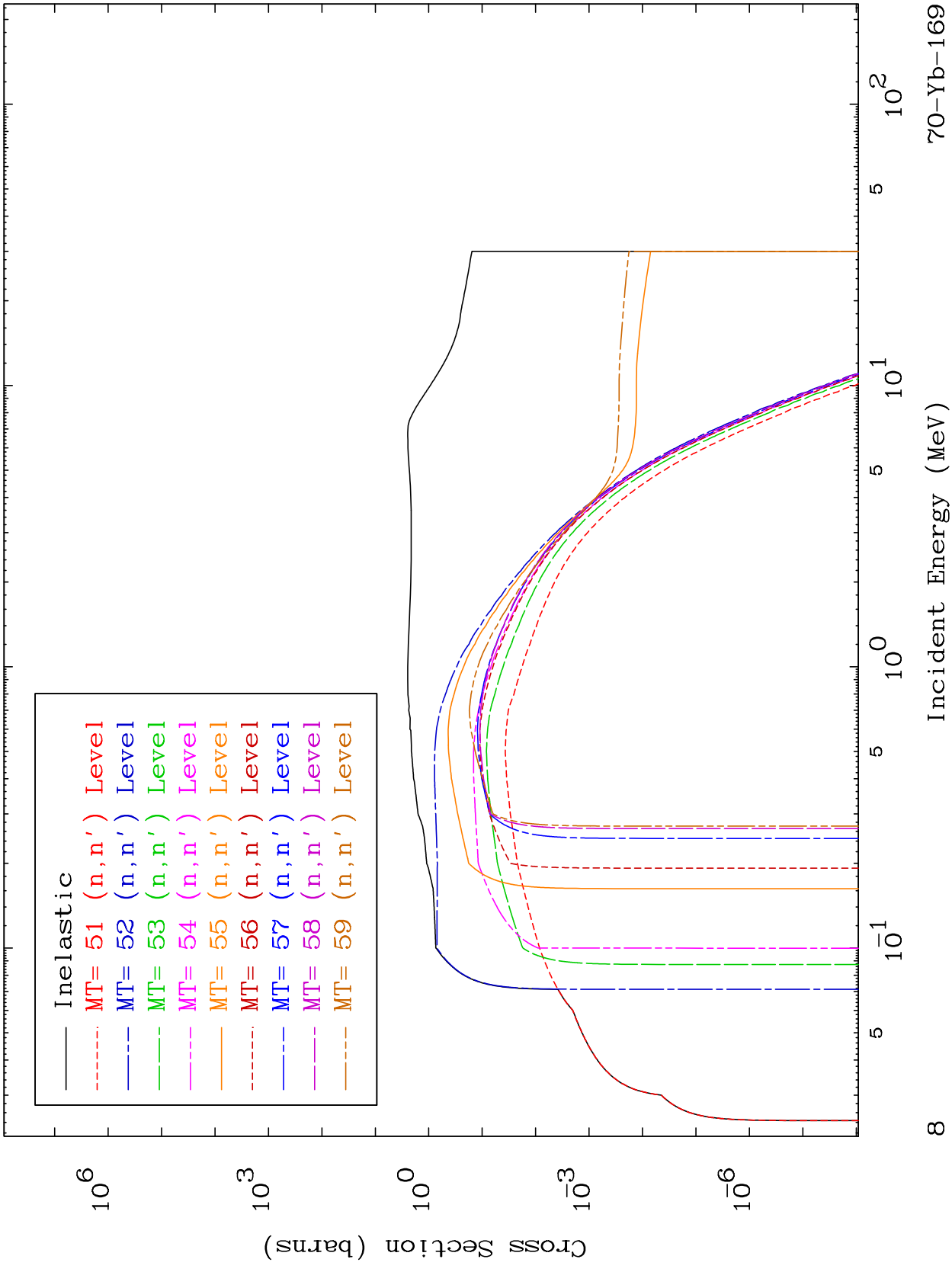


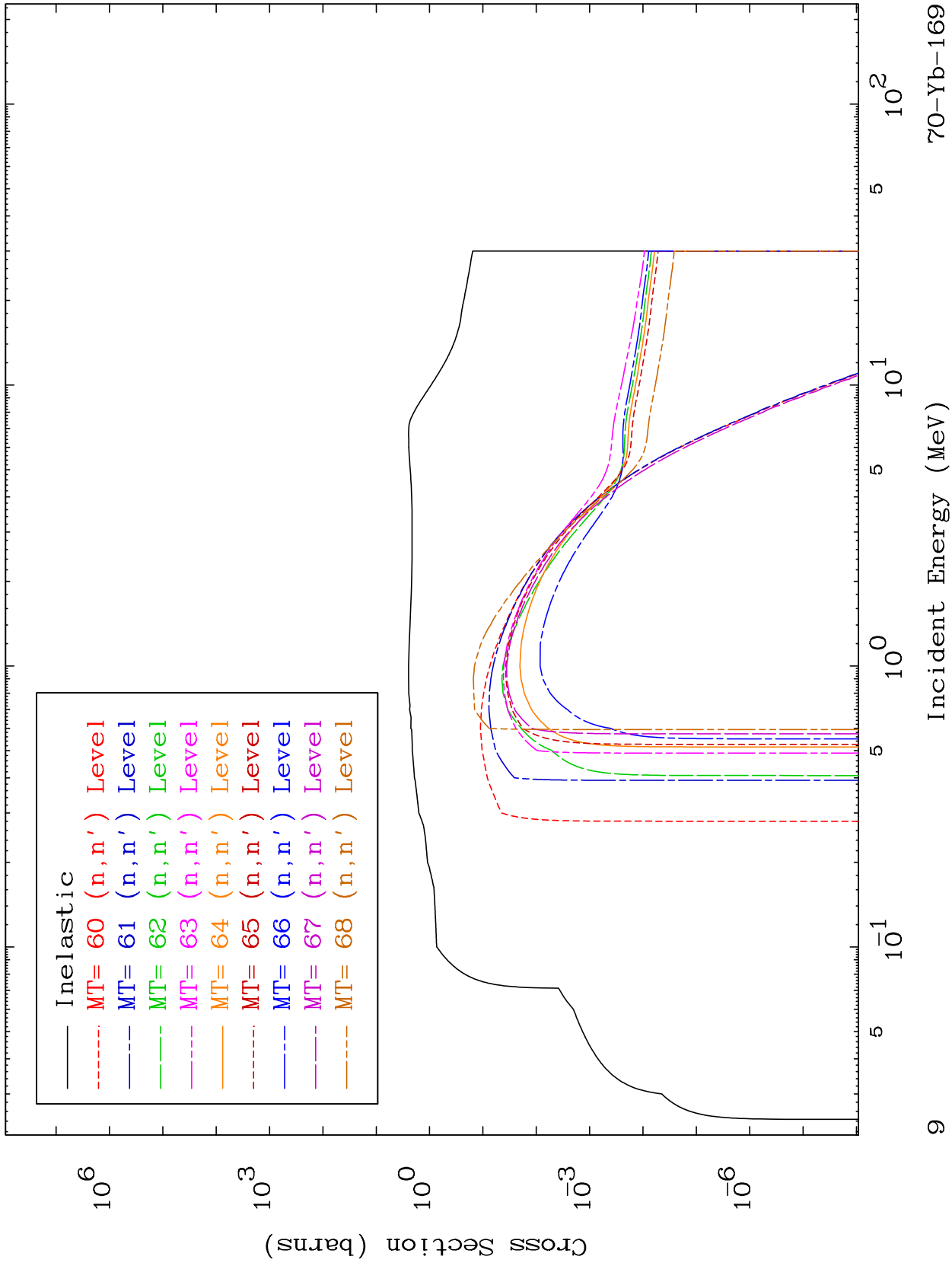
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Incident Energy (MeV)

70-Yb-169



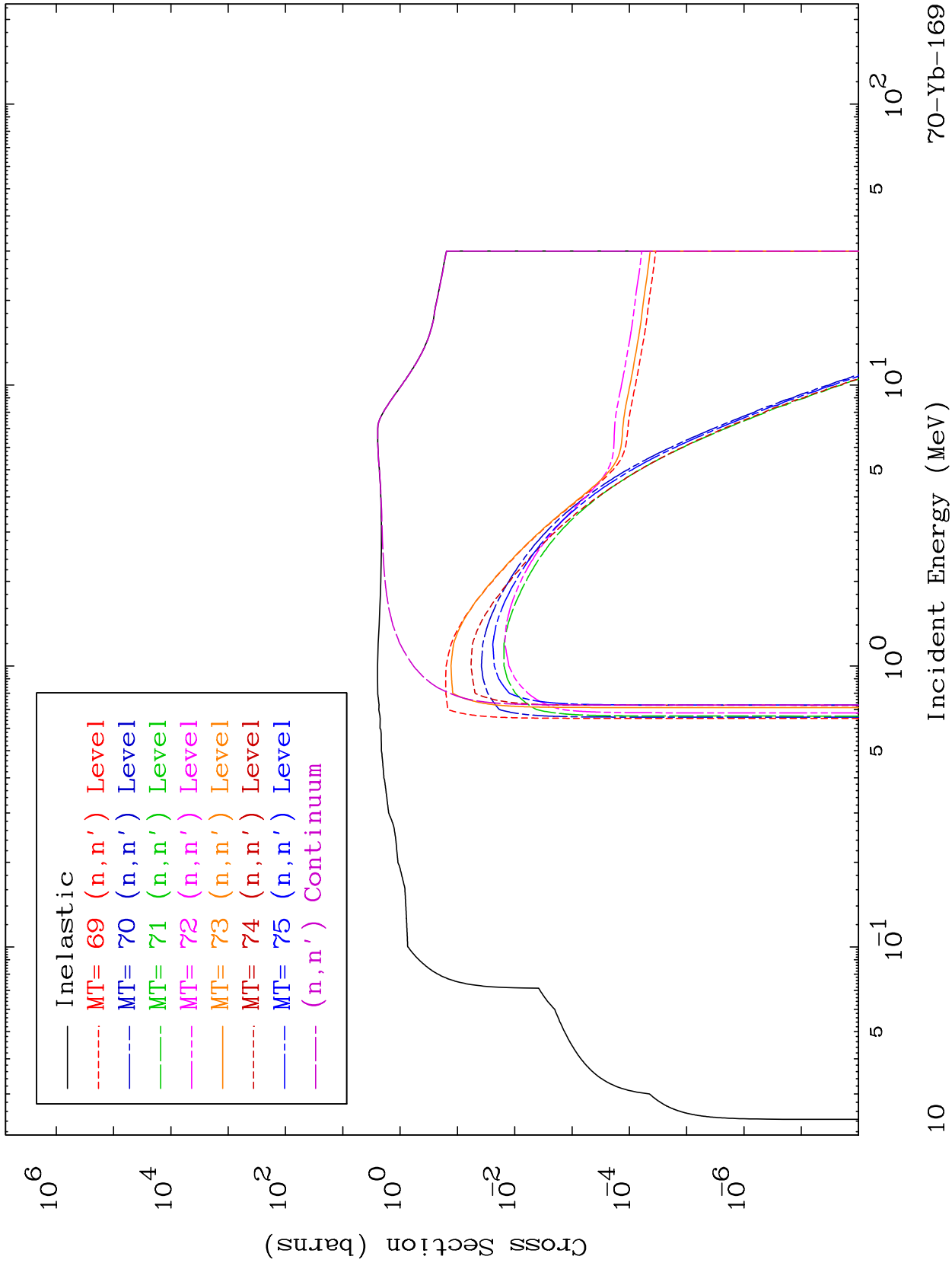




MAT 7028

293 Kelvin Cross Sections

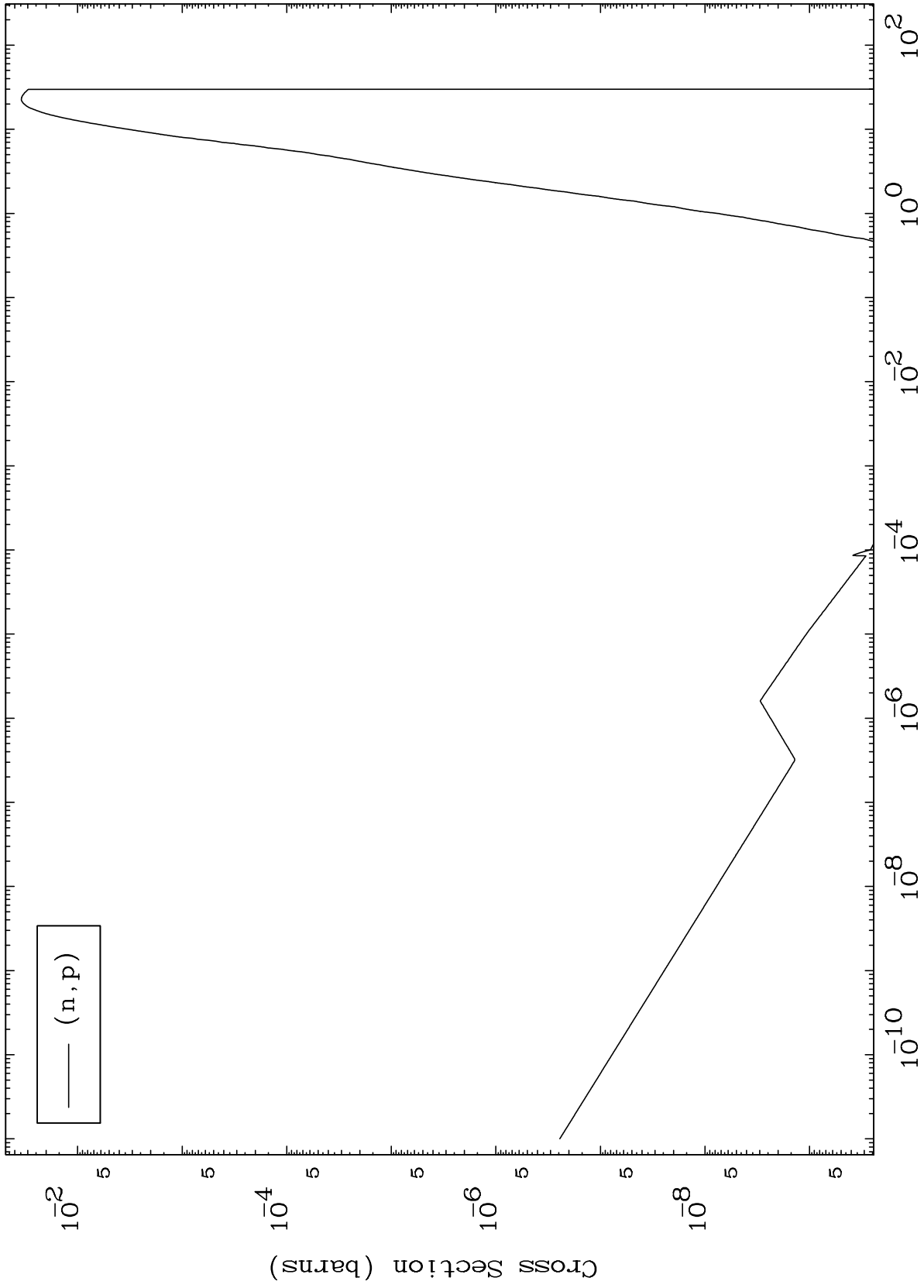
70-Yb-169



MAT 7028

(n,p) Levels  
293 Kelvin Cross Sections

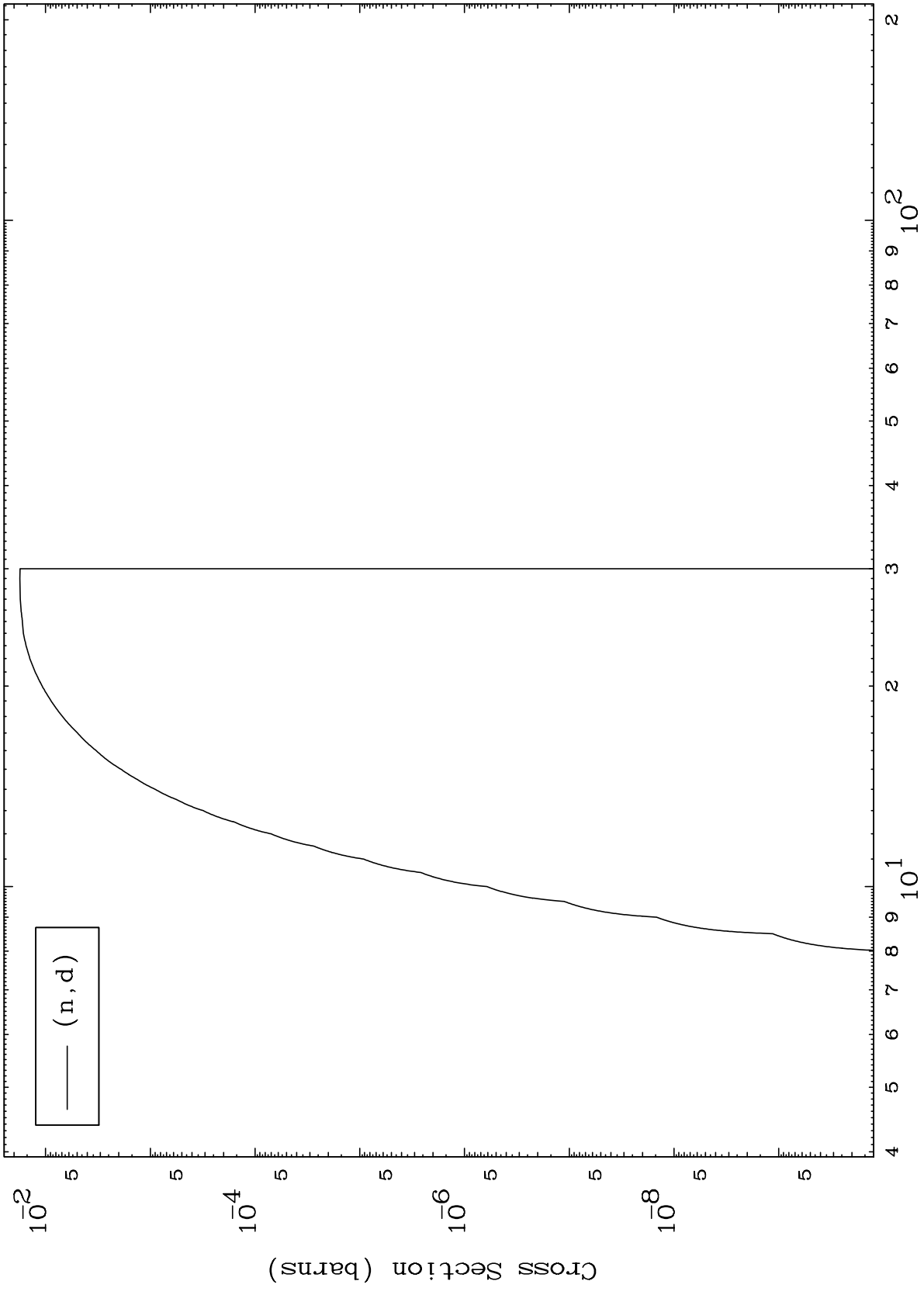
70-Yb-169



MAT 7028

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-169



12

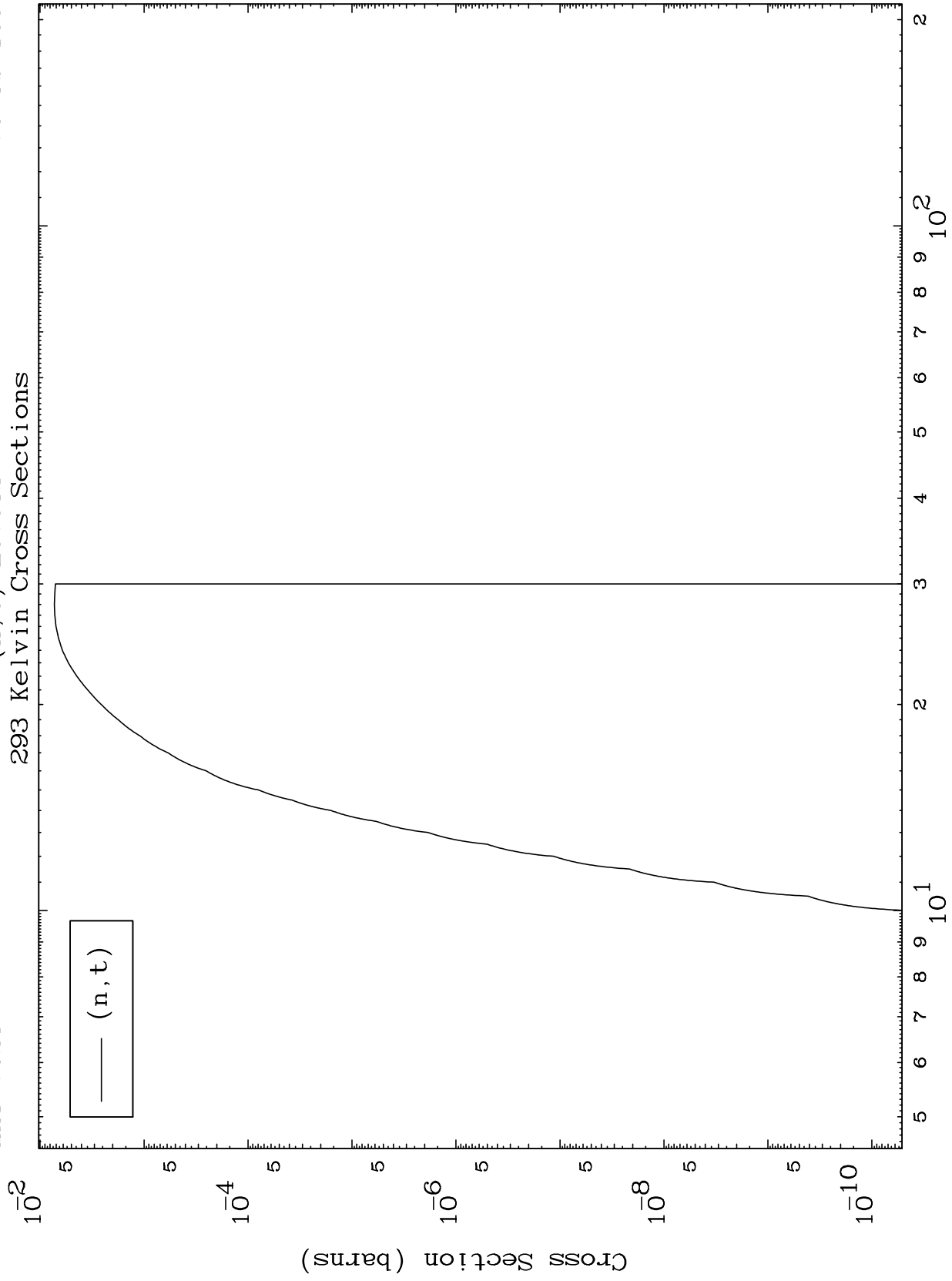
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-169



13

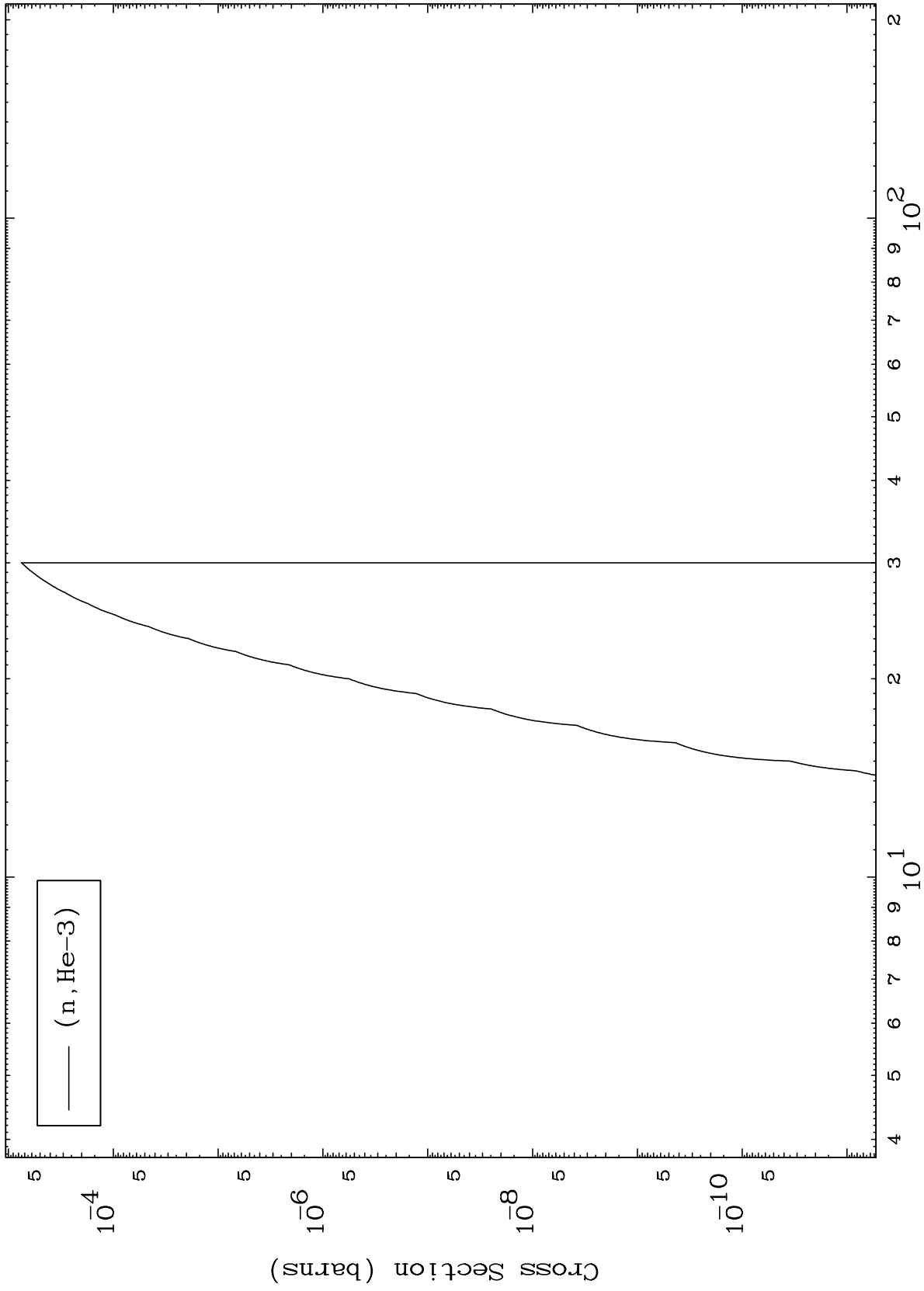
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-169



14

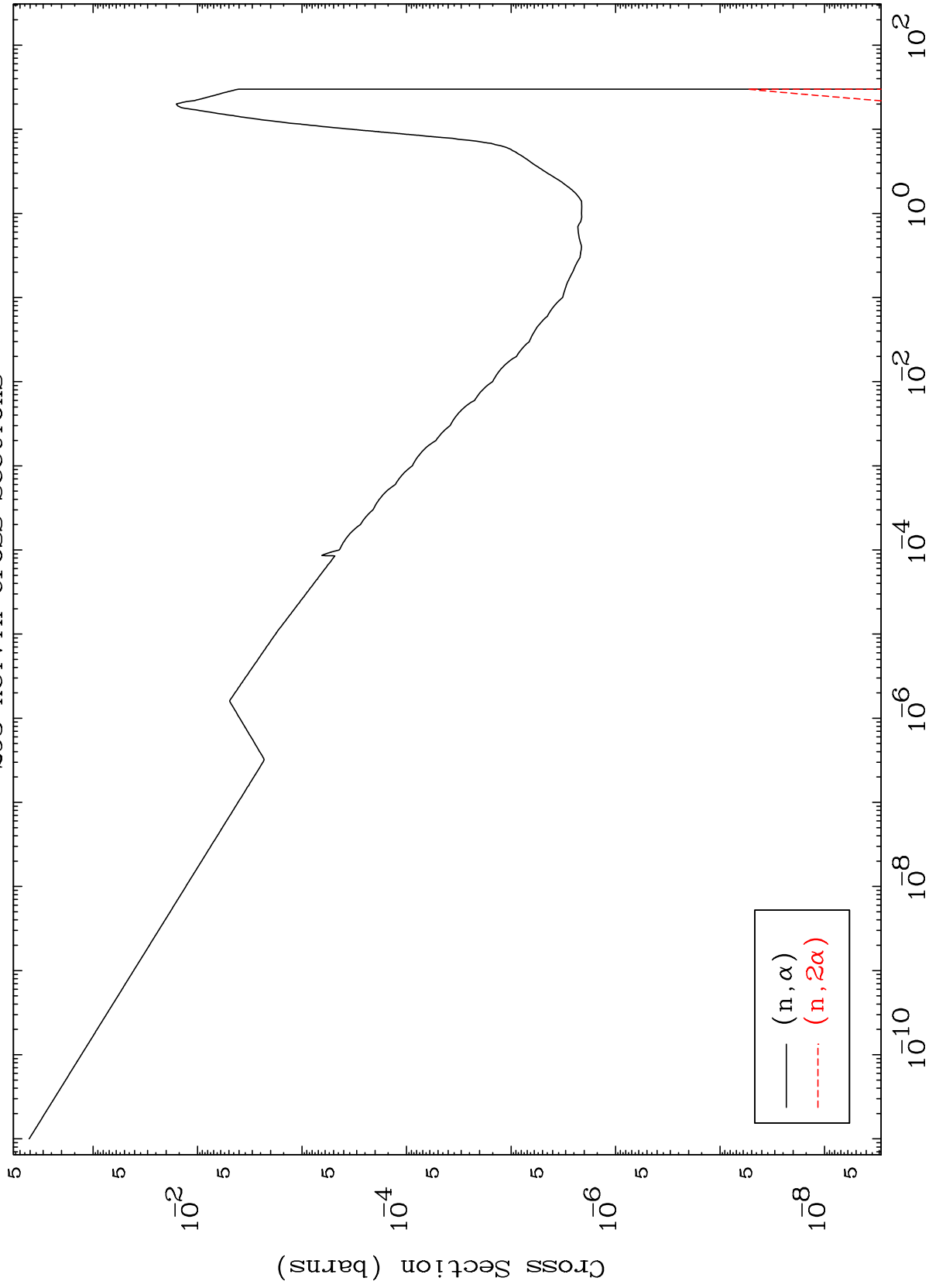
Incident Energy (MeV)

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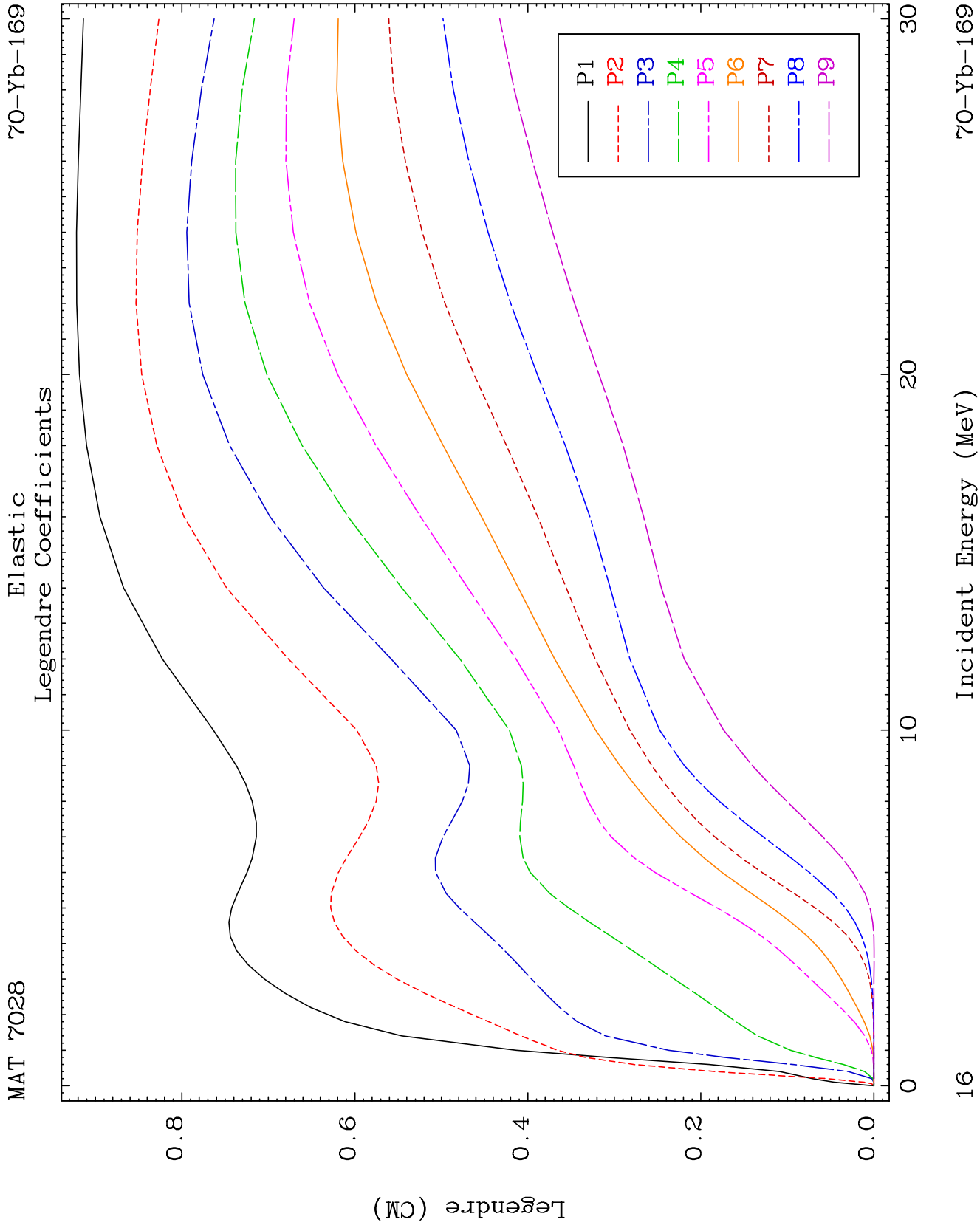
MAT 7028

(n,α) Levels  
293 Kelvin Cross Sections

70-Yb-169



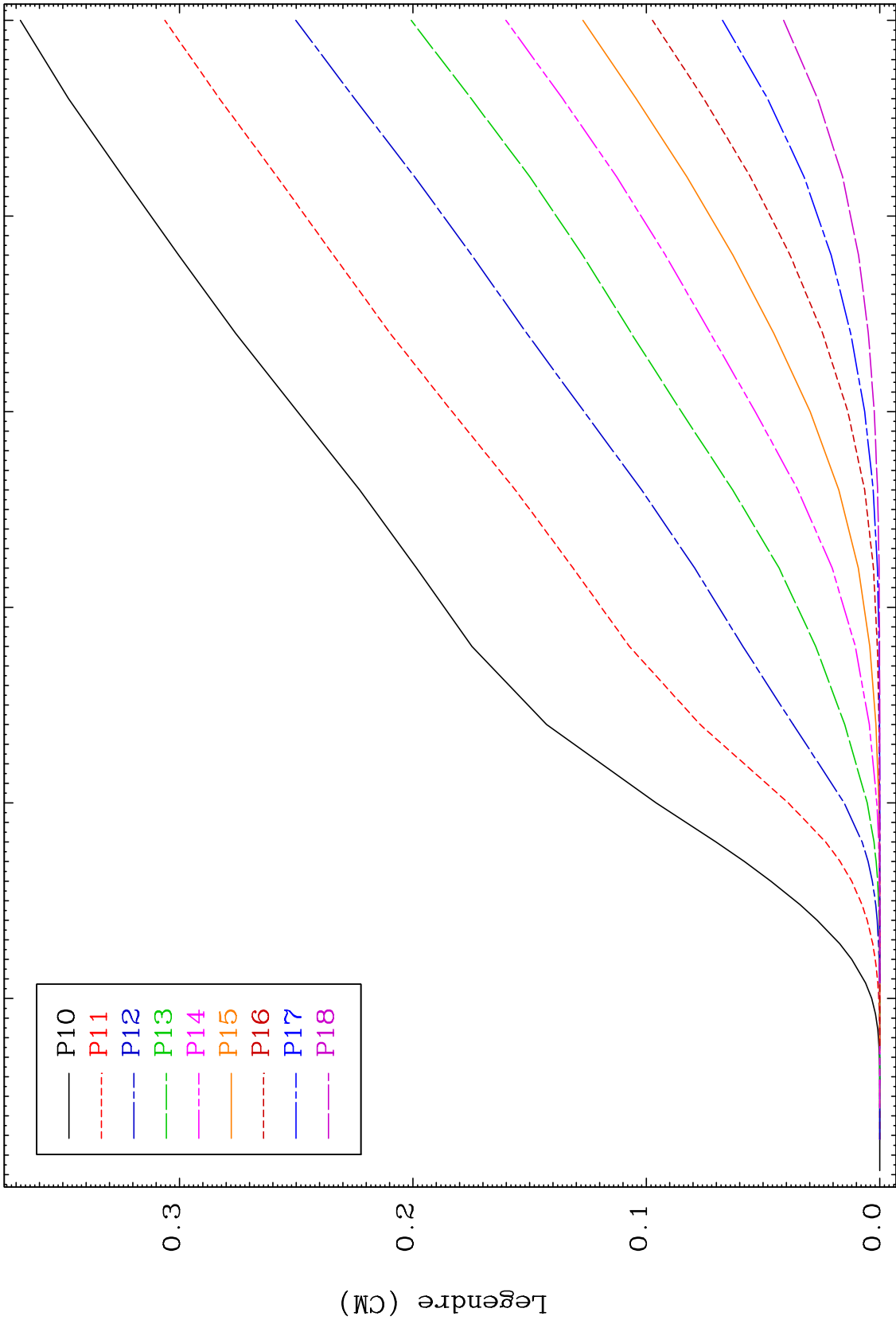




MAT 7028

Elastic Legendre Coefficients

70-Yb-169



17

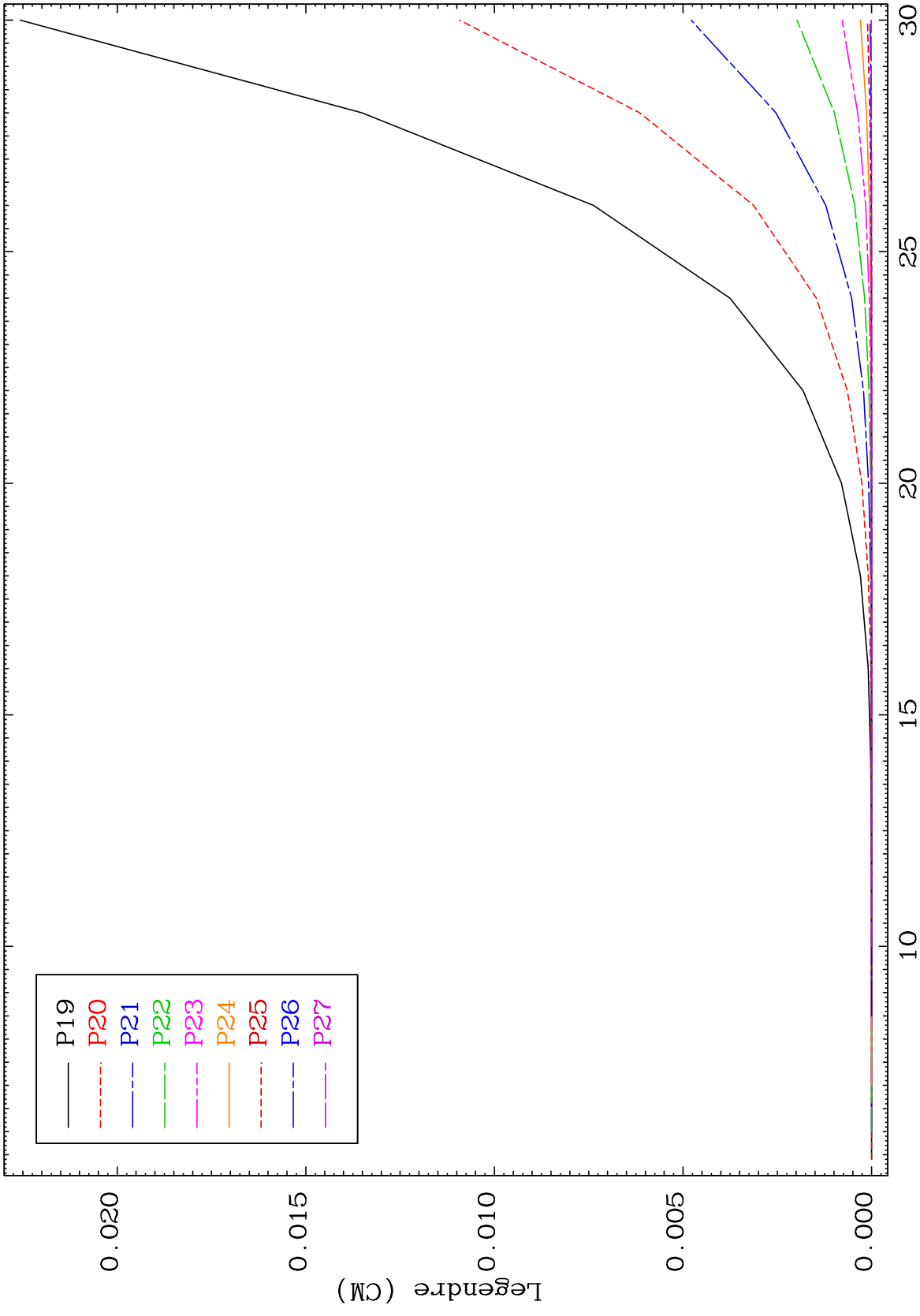
Incident Energy (MeV)

70-Yb-169

MAT 7028

Elastic Legendre Coefficients

70-Yb-169



18

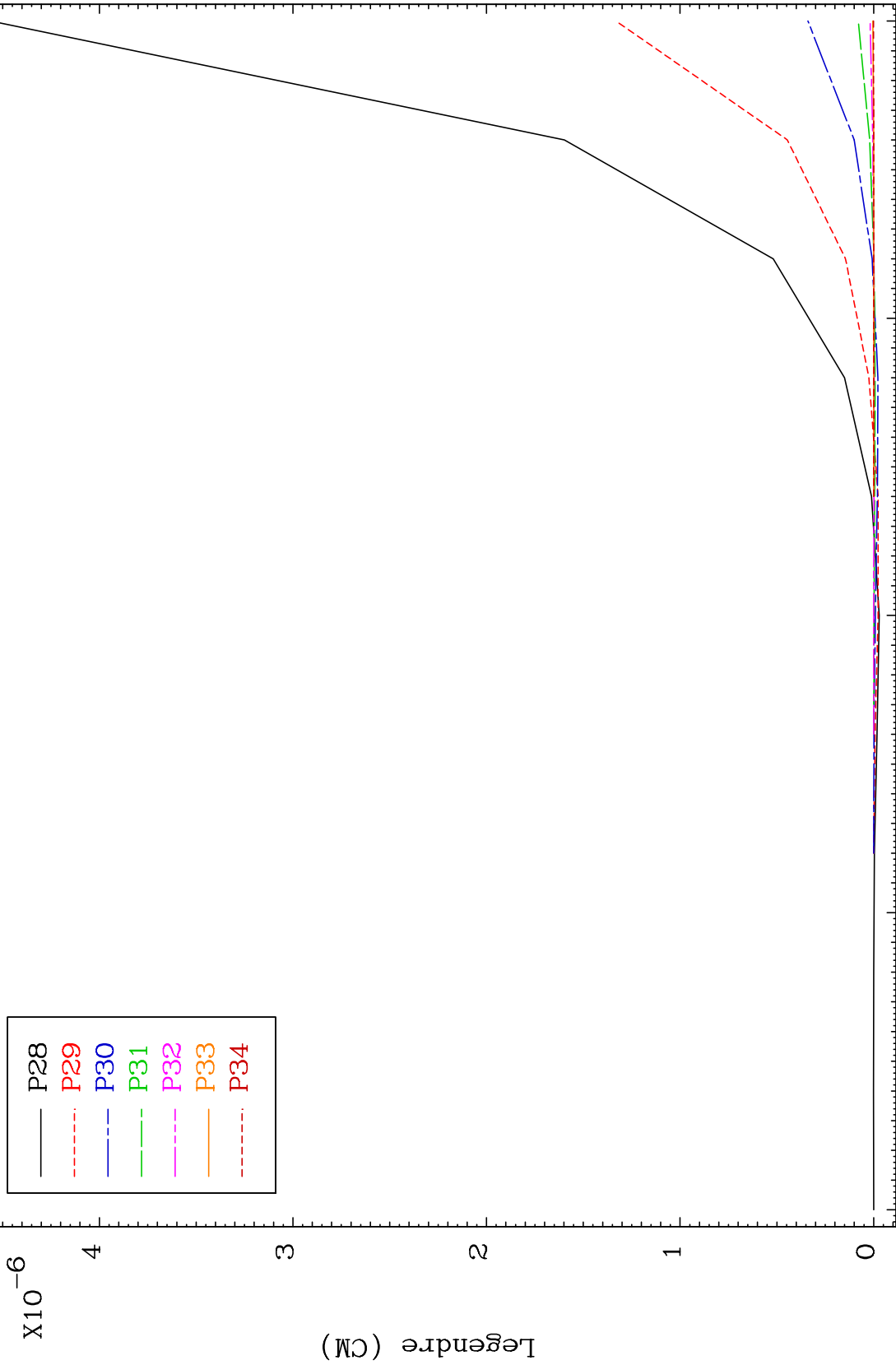
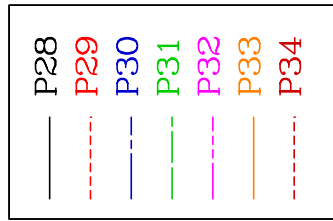
Incident Energy (MeV)

70-Yb-169

MAT 7028

Elastic Legendre Coefficients

70-Yb-169

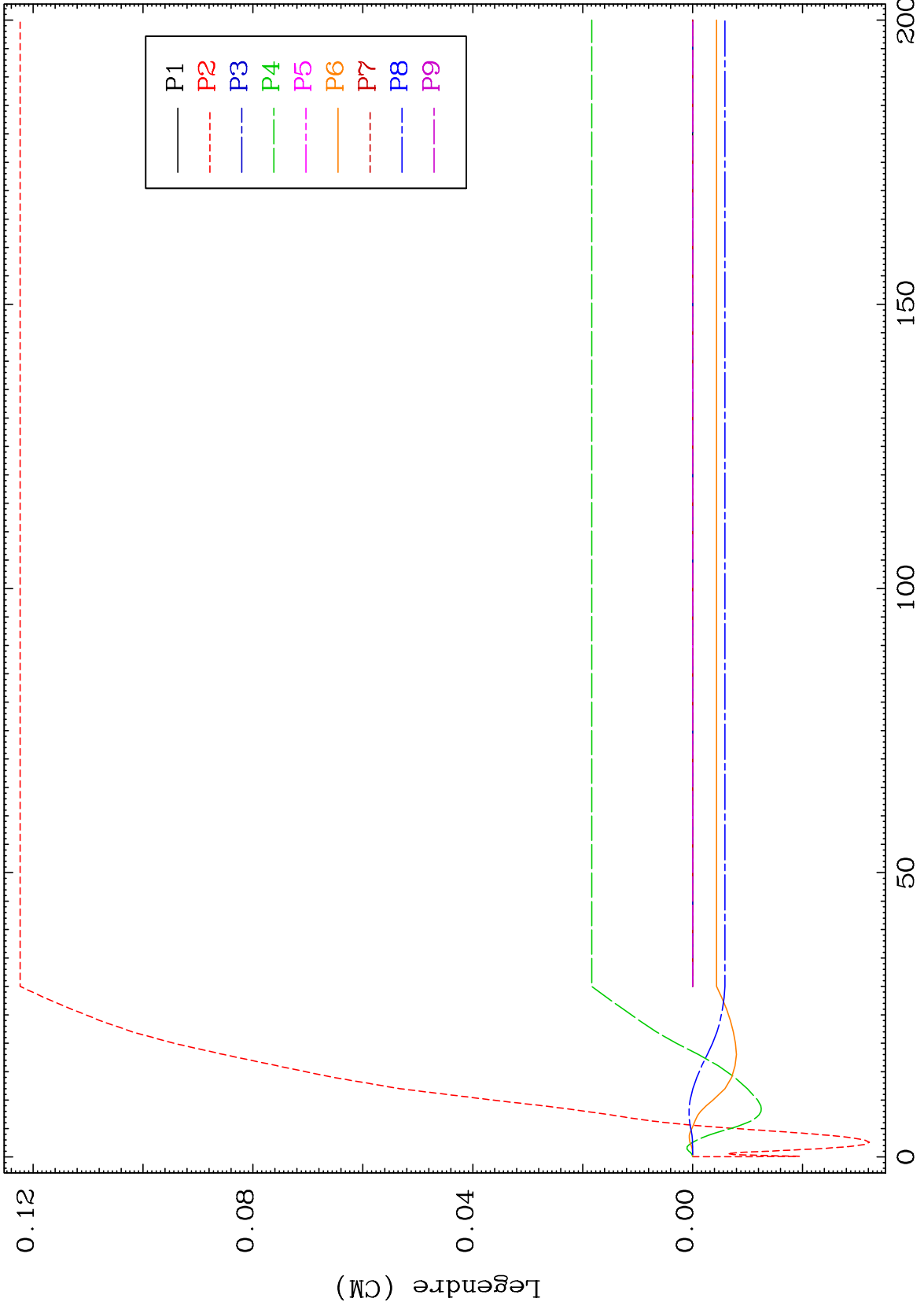


19

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-169

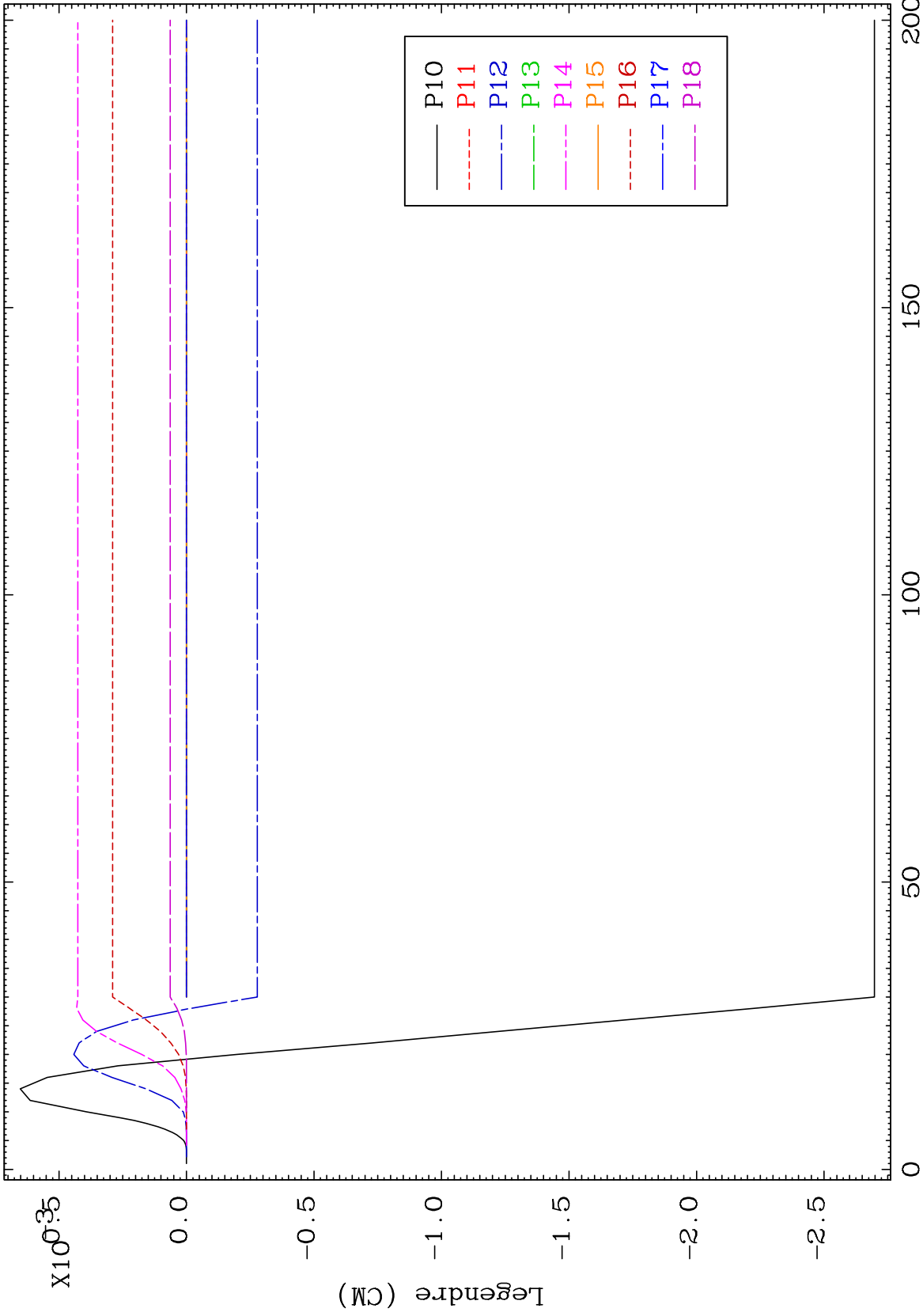


Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169



21

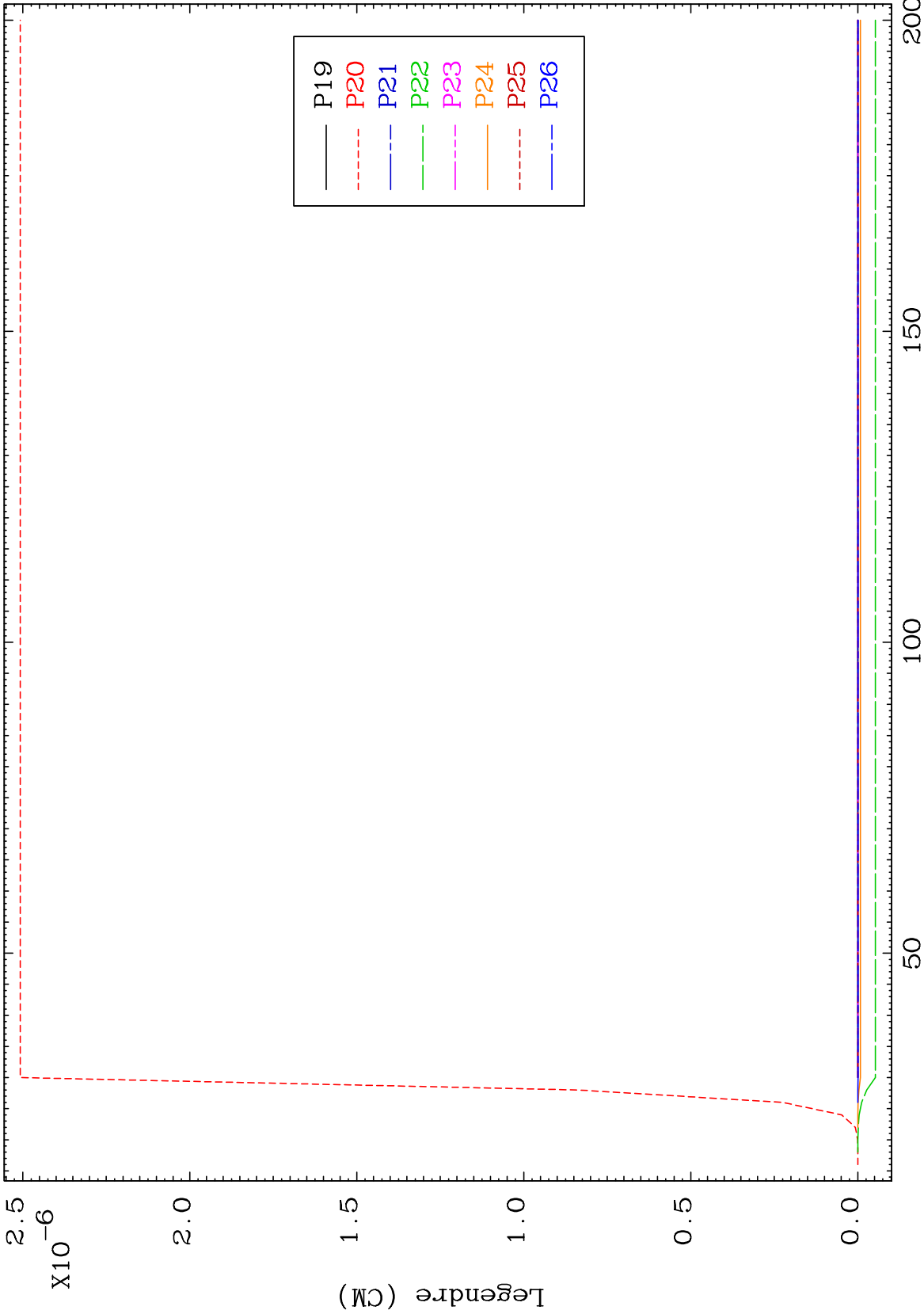
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



22

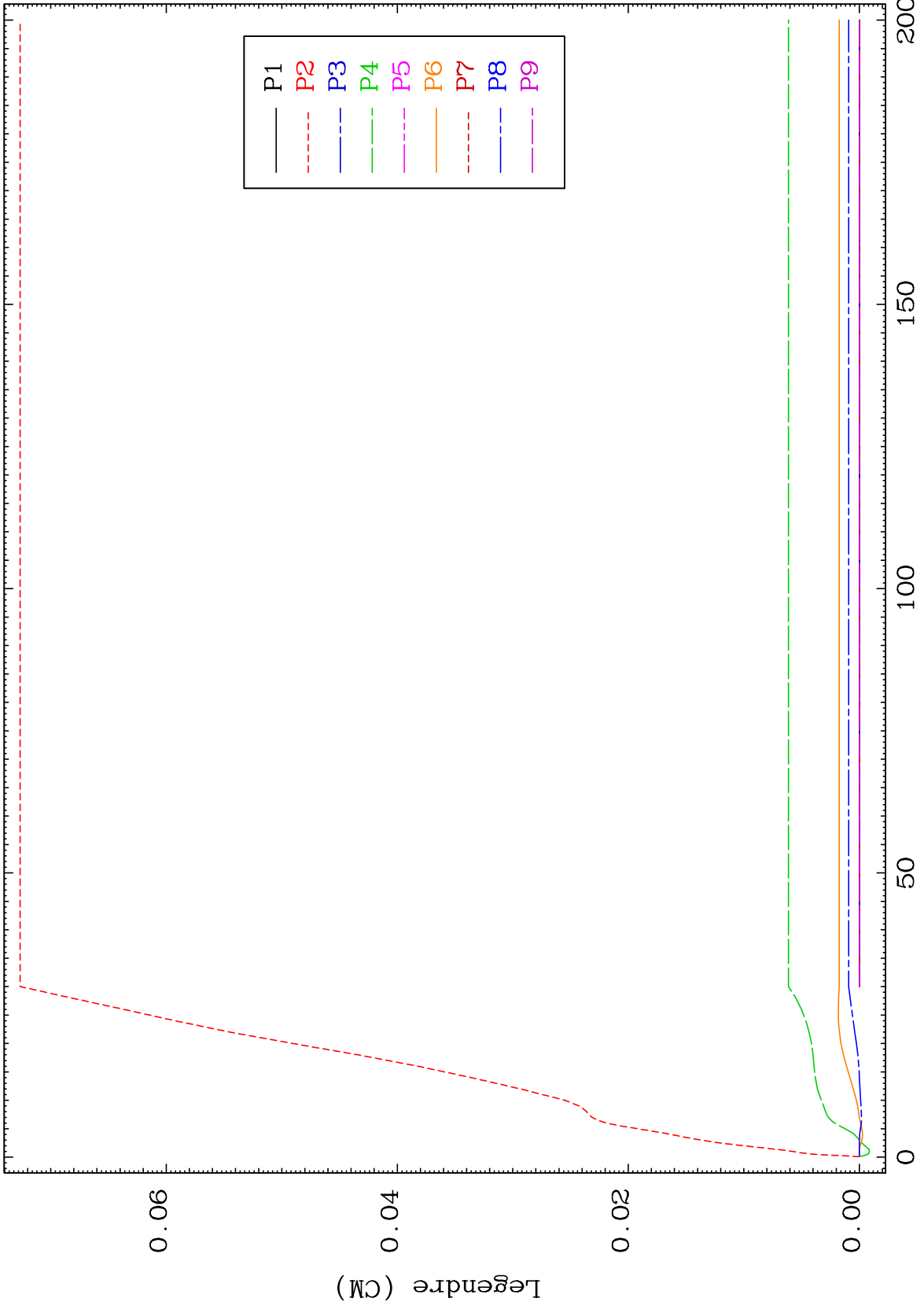
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



23

Incident Energy (MeV)

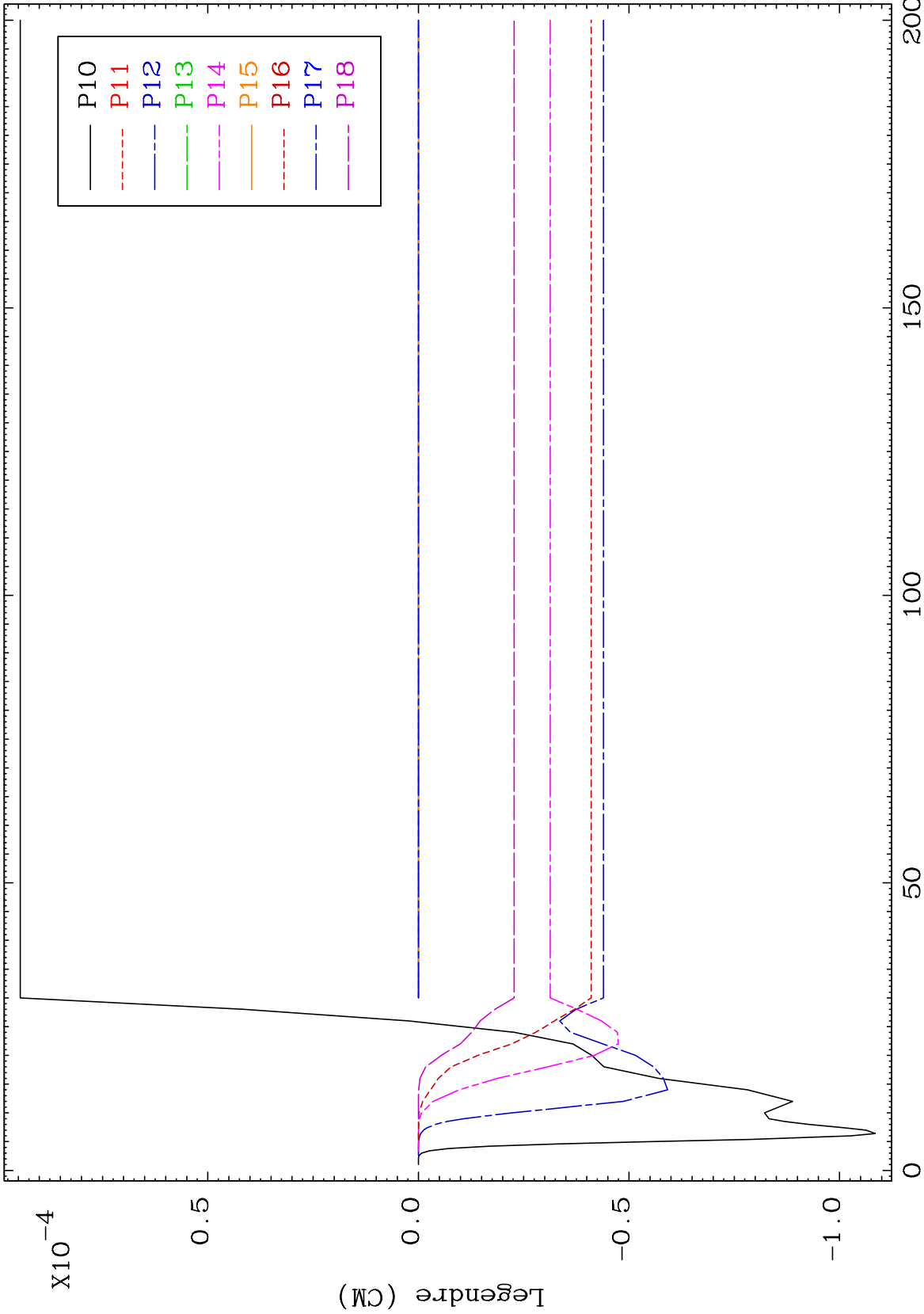
70-Yb-169



MAT 7028

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

70-Yb-169



24

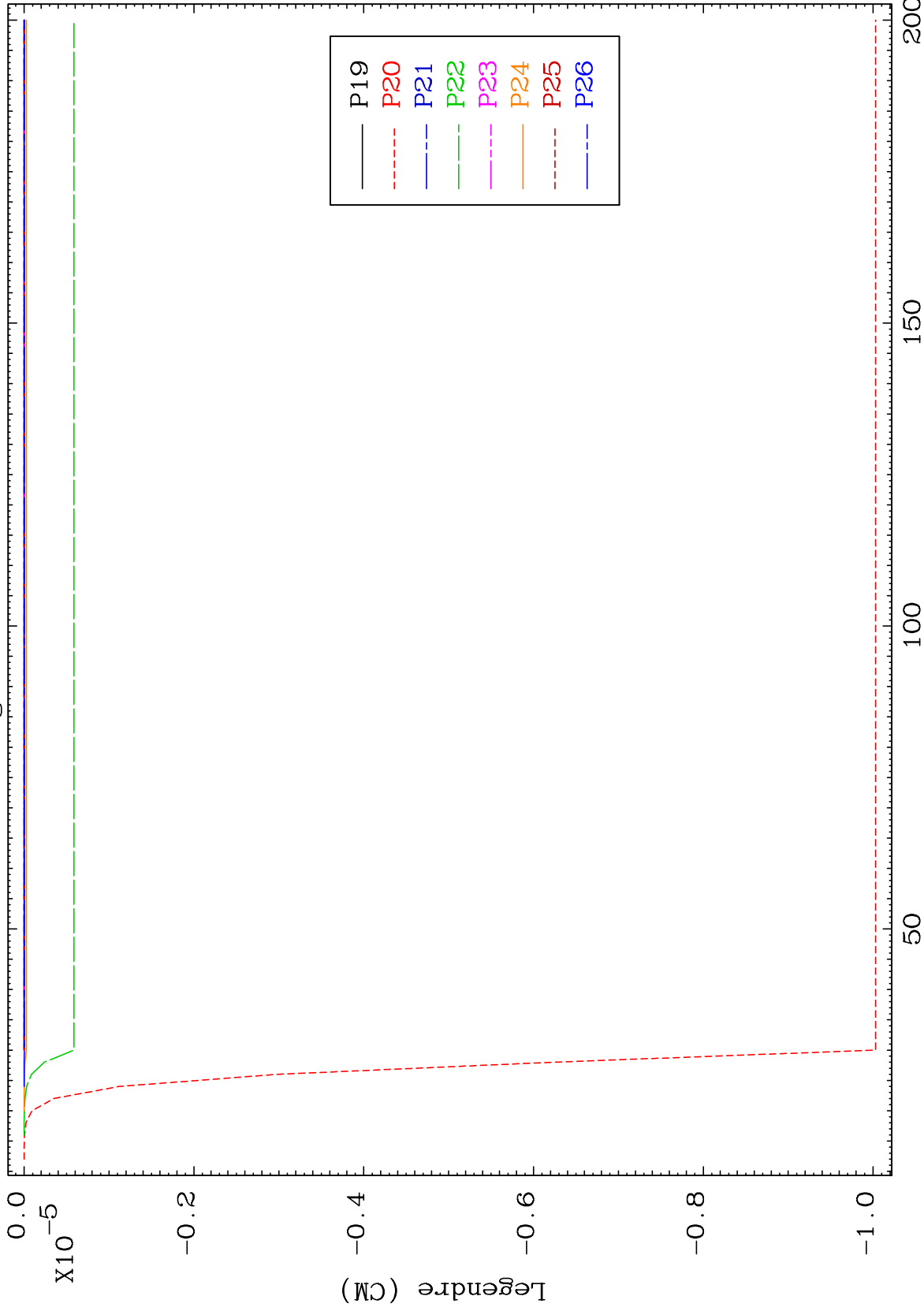
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



25

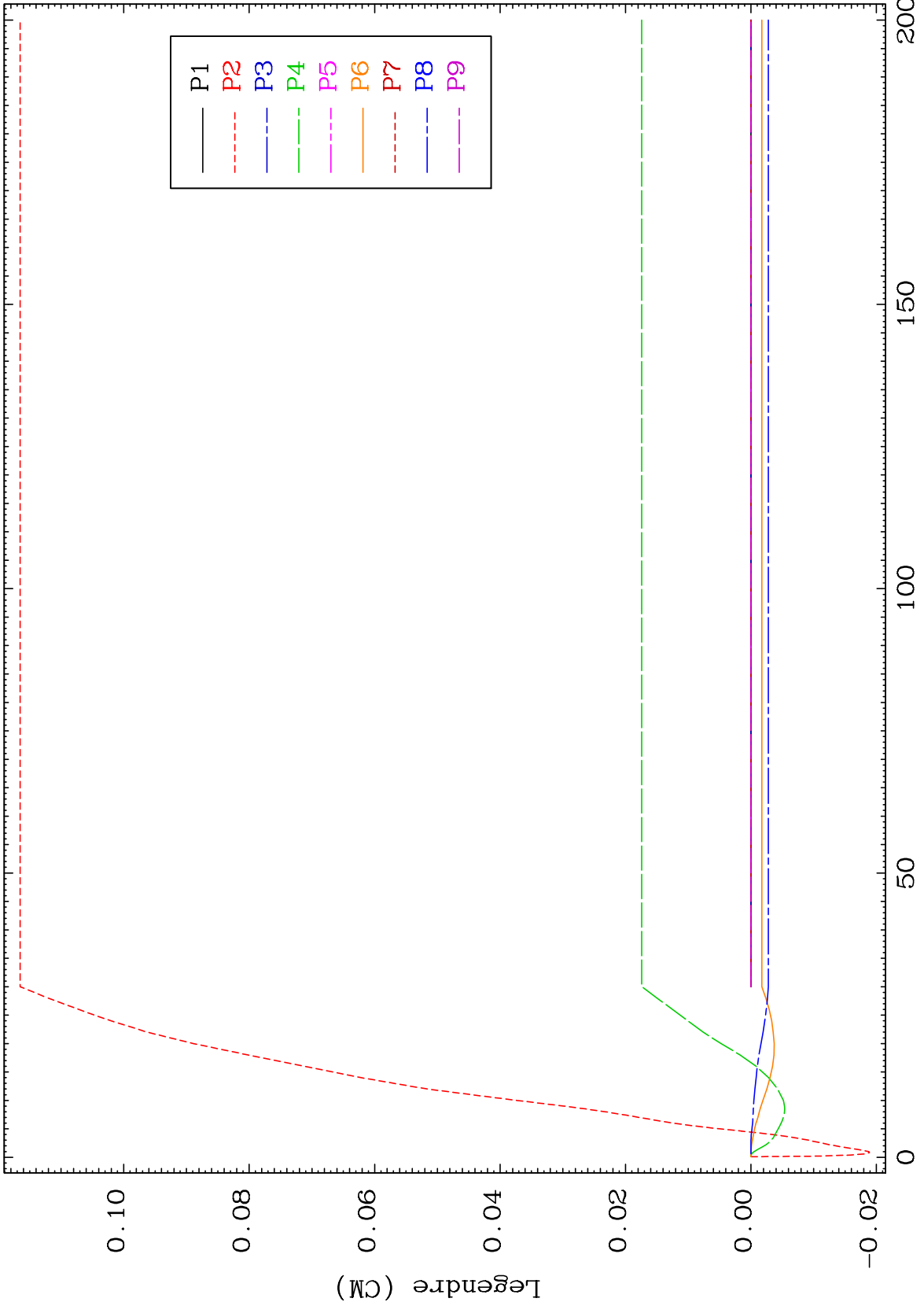
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



26

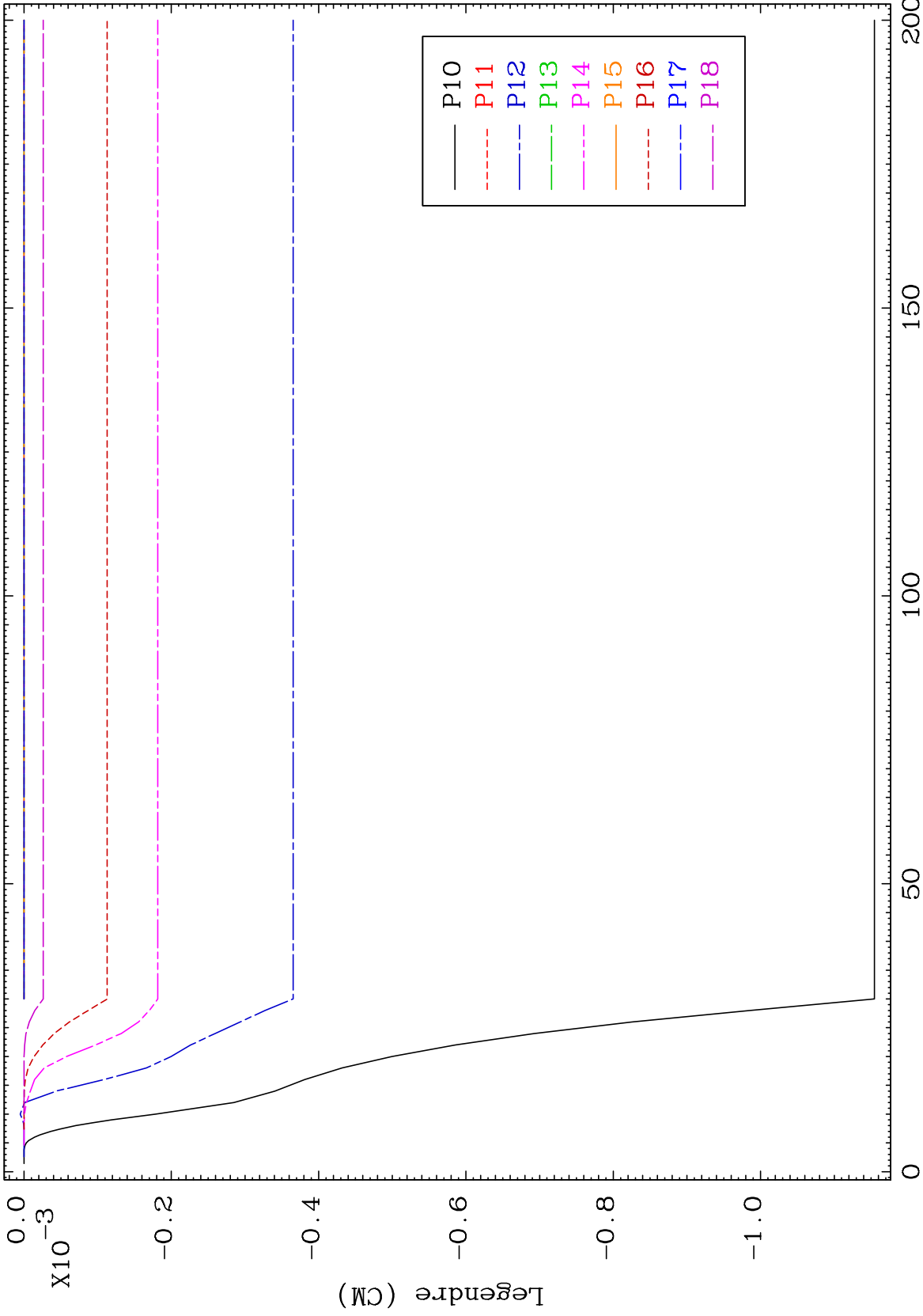
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



27

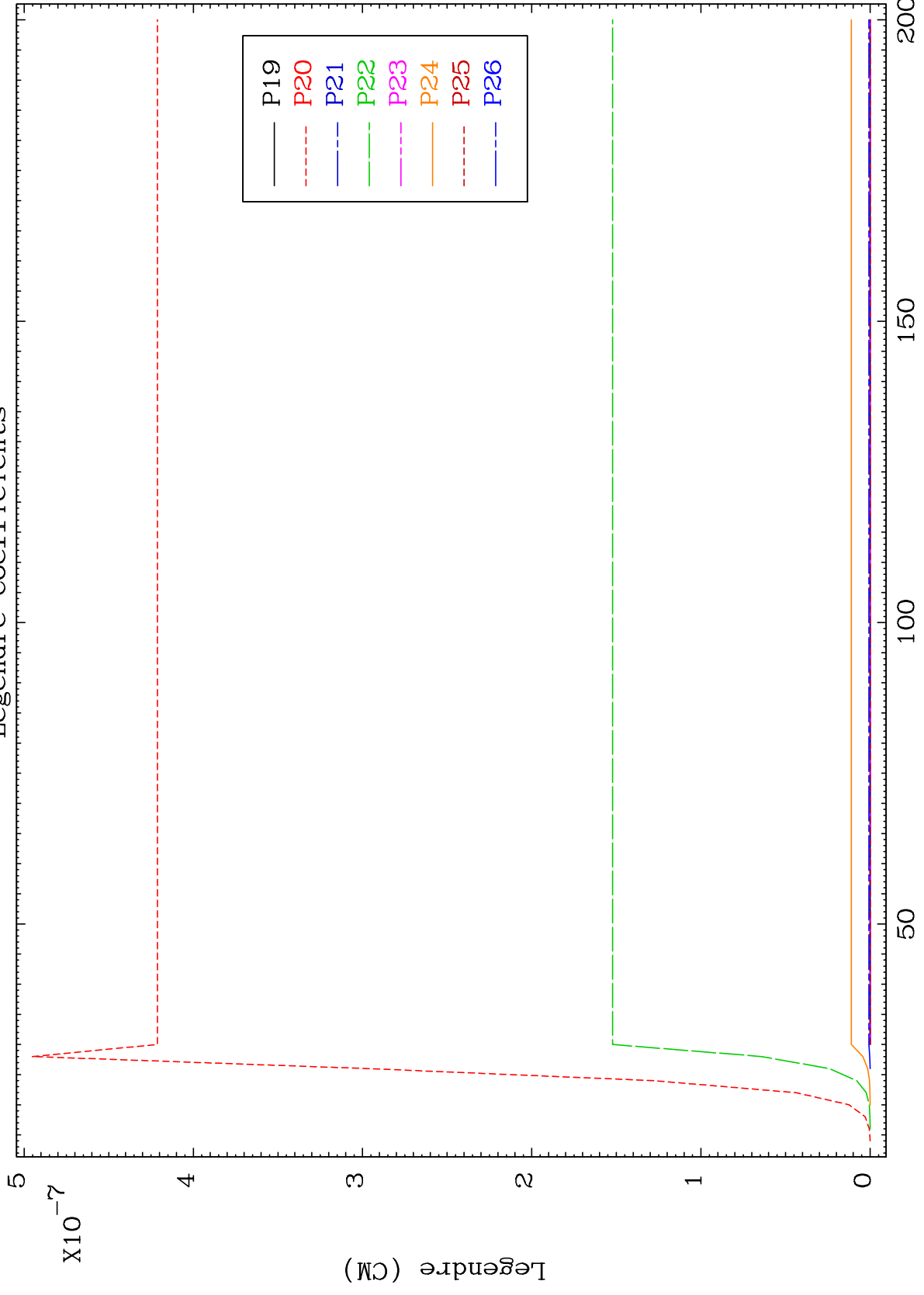
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



28

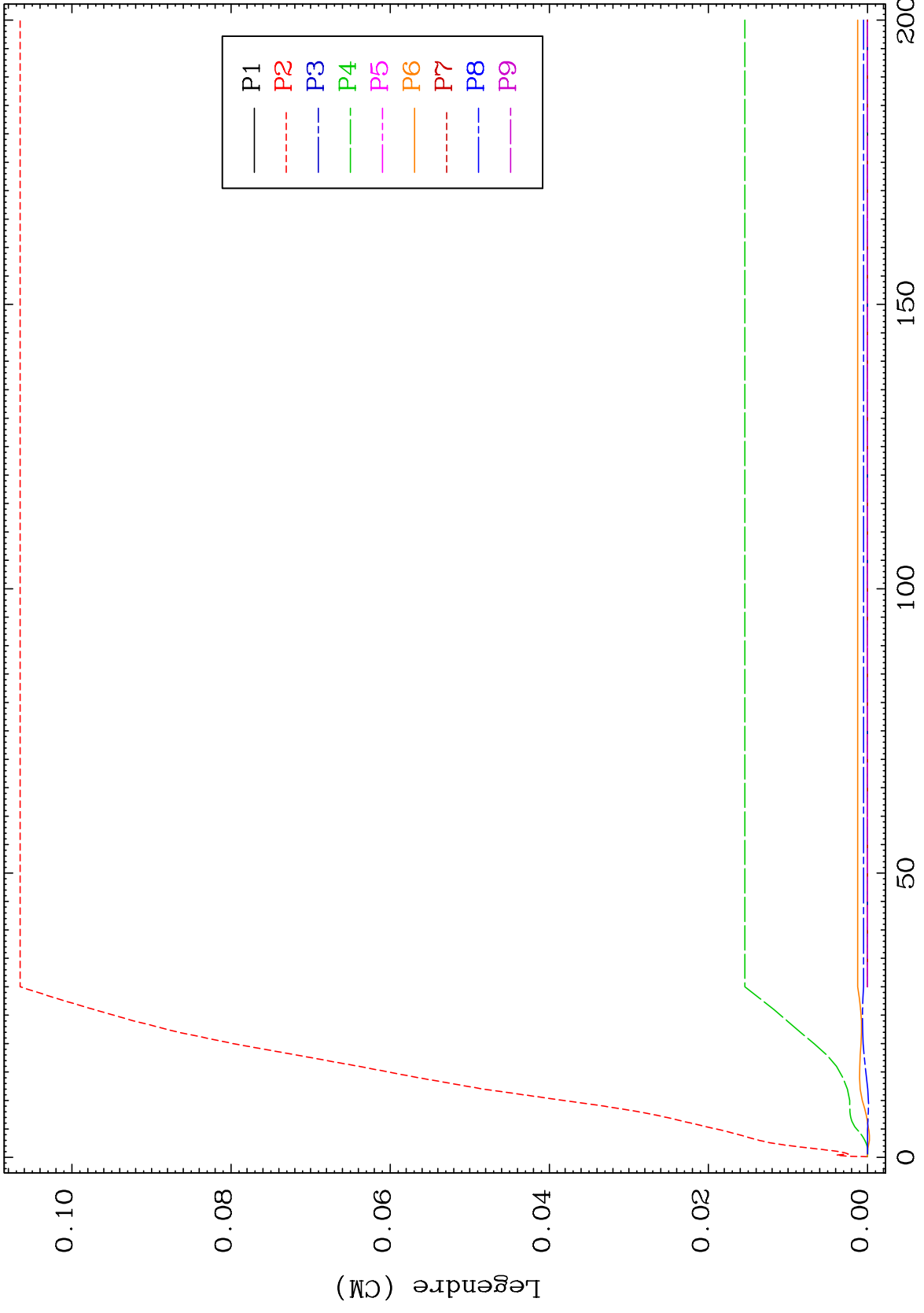
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



29

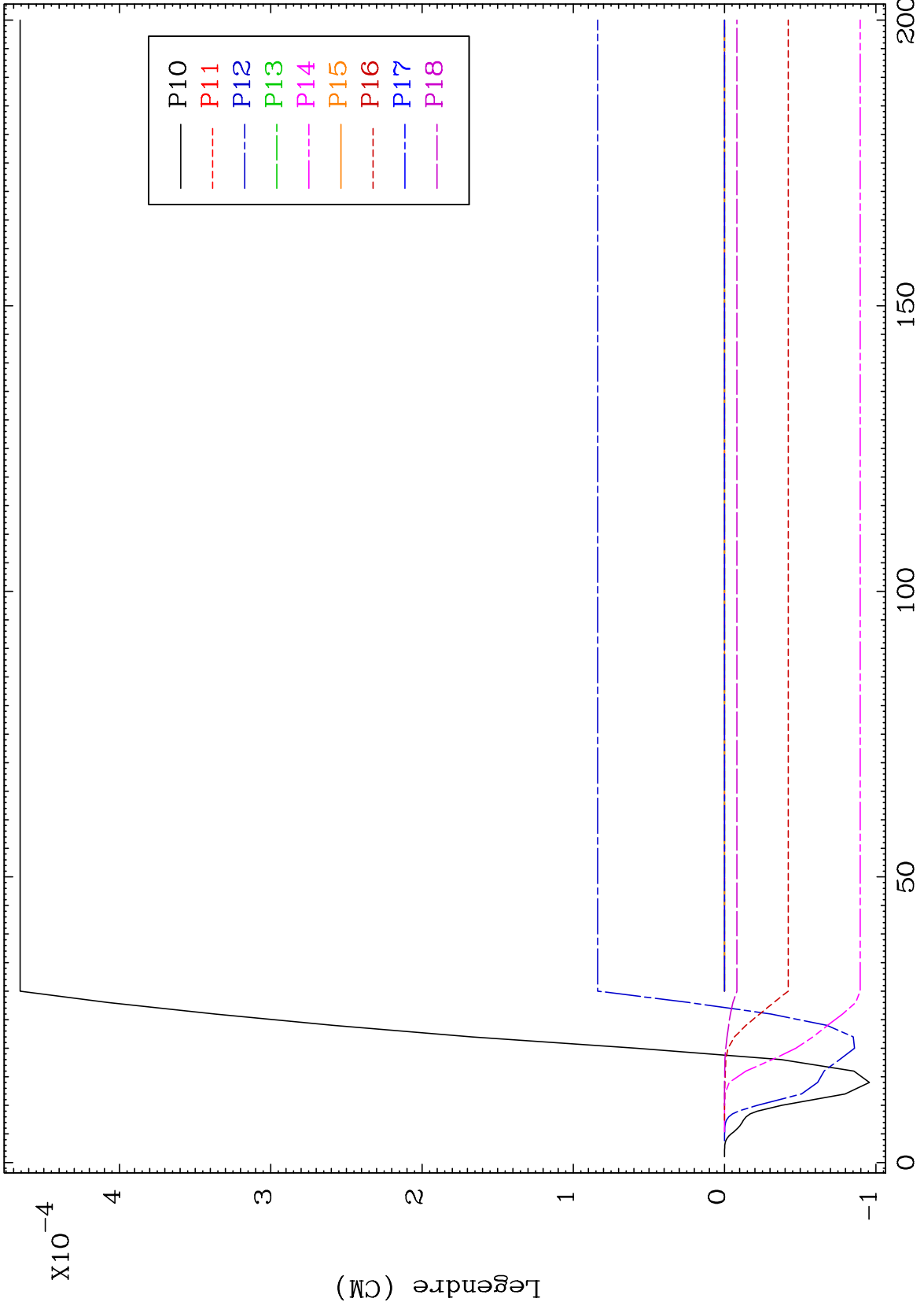
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

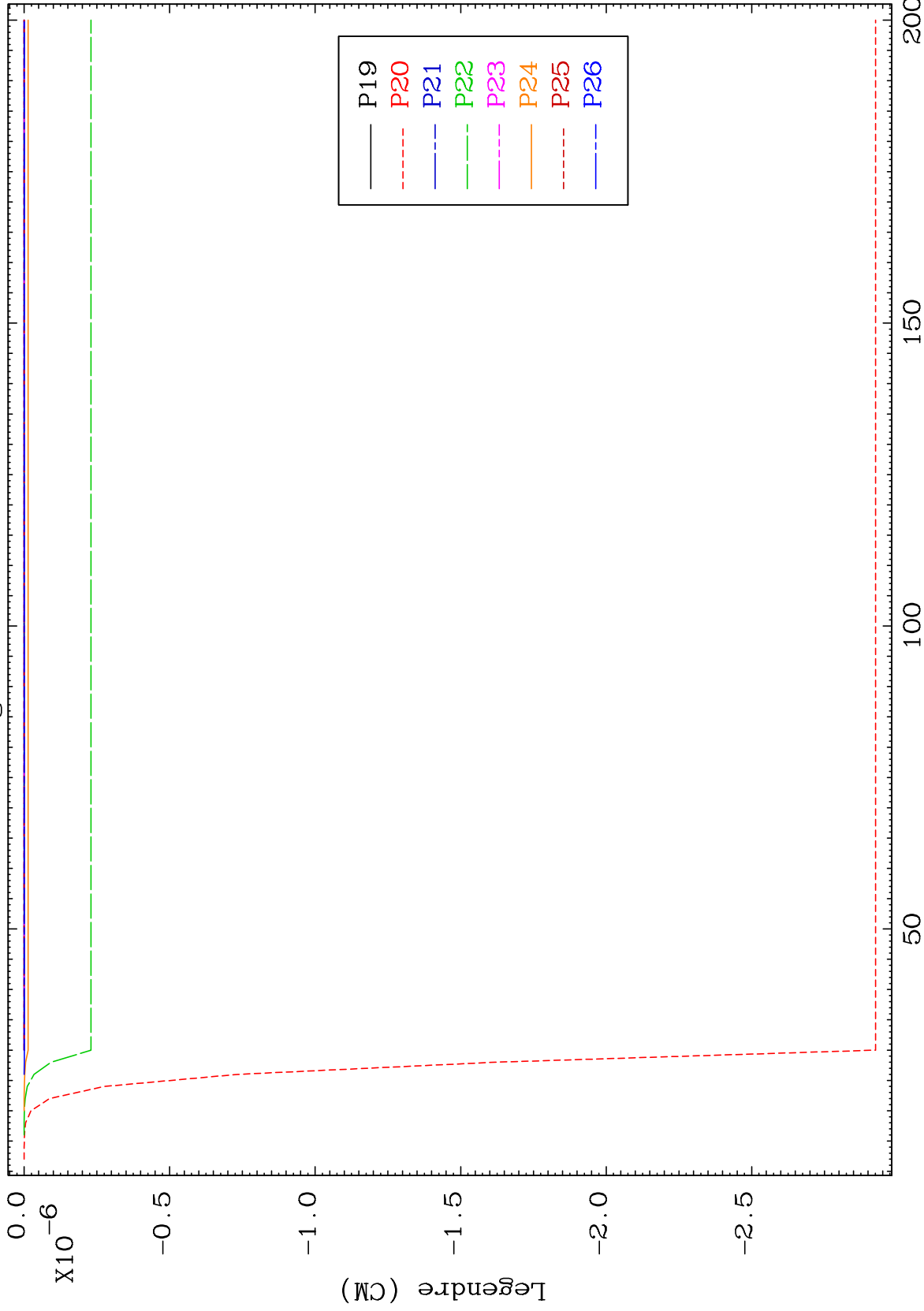
70-Yb-169



70-Yb-169

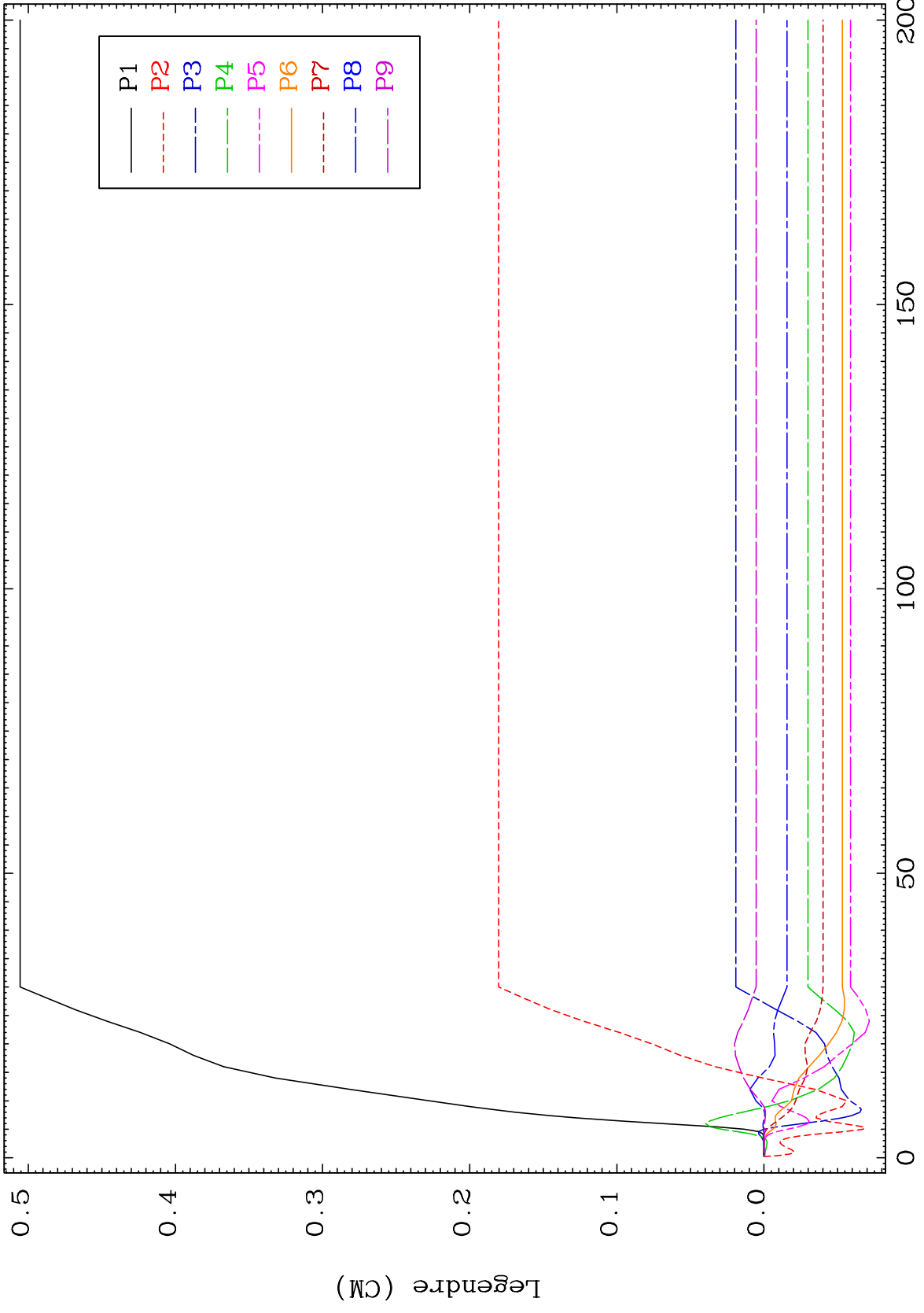
Incident Energy (MeV)

30





MAT 7028 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-169

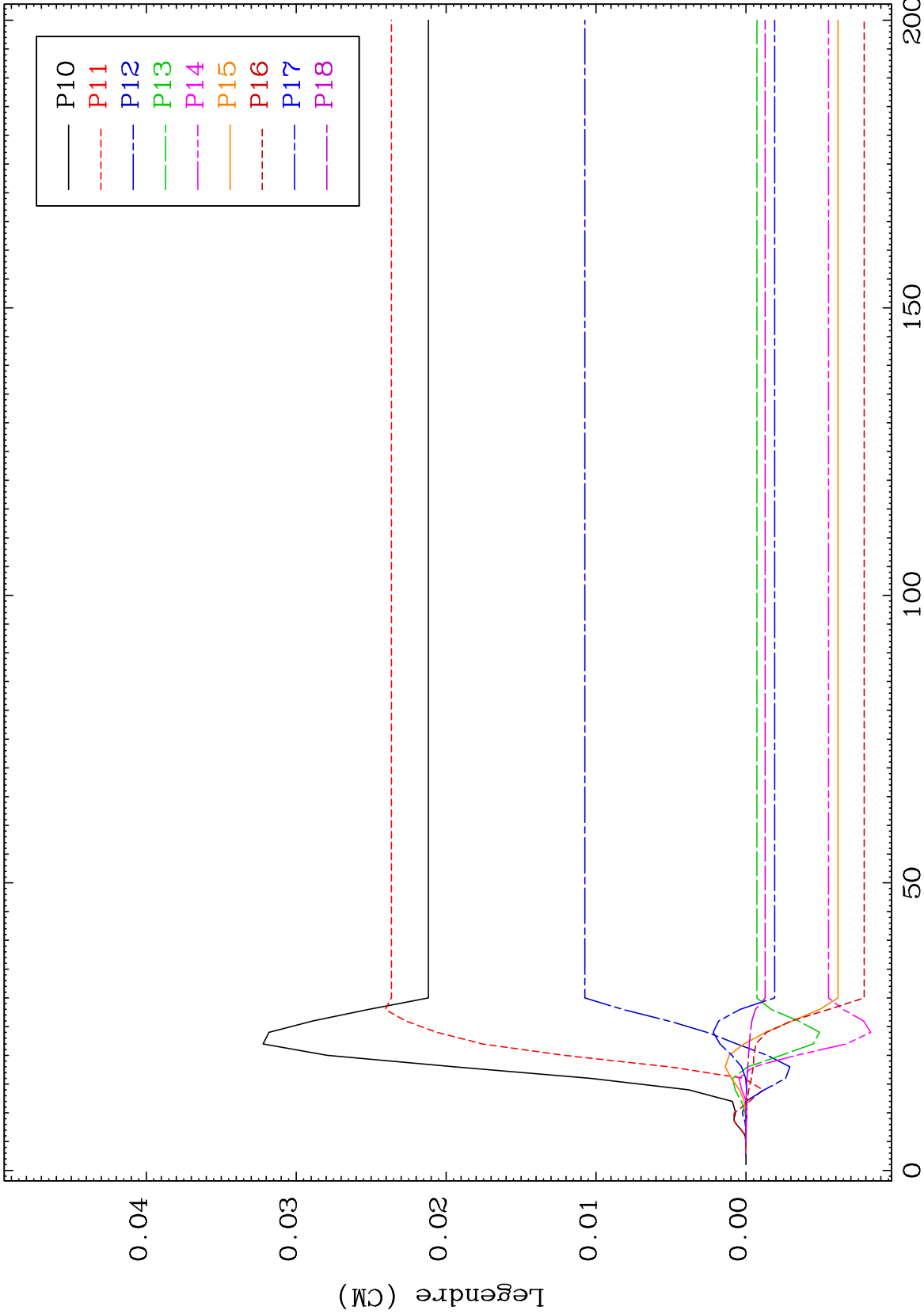


32 70-Yb-169

MAT 7028

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

70-Yb-169



33

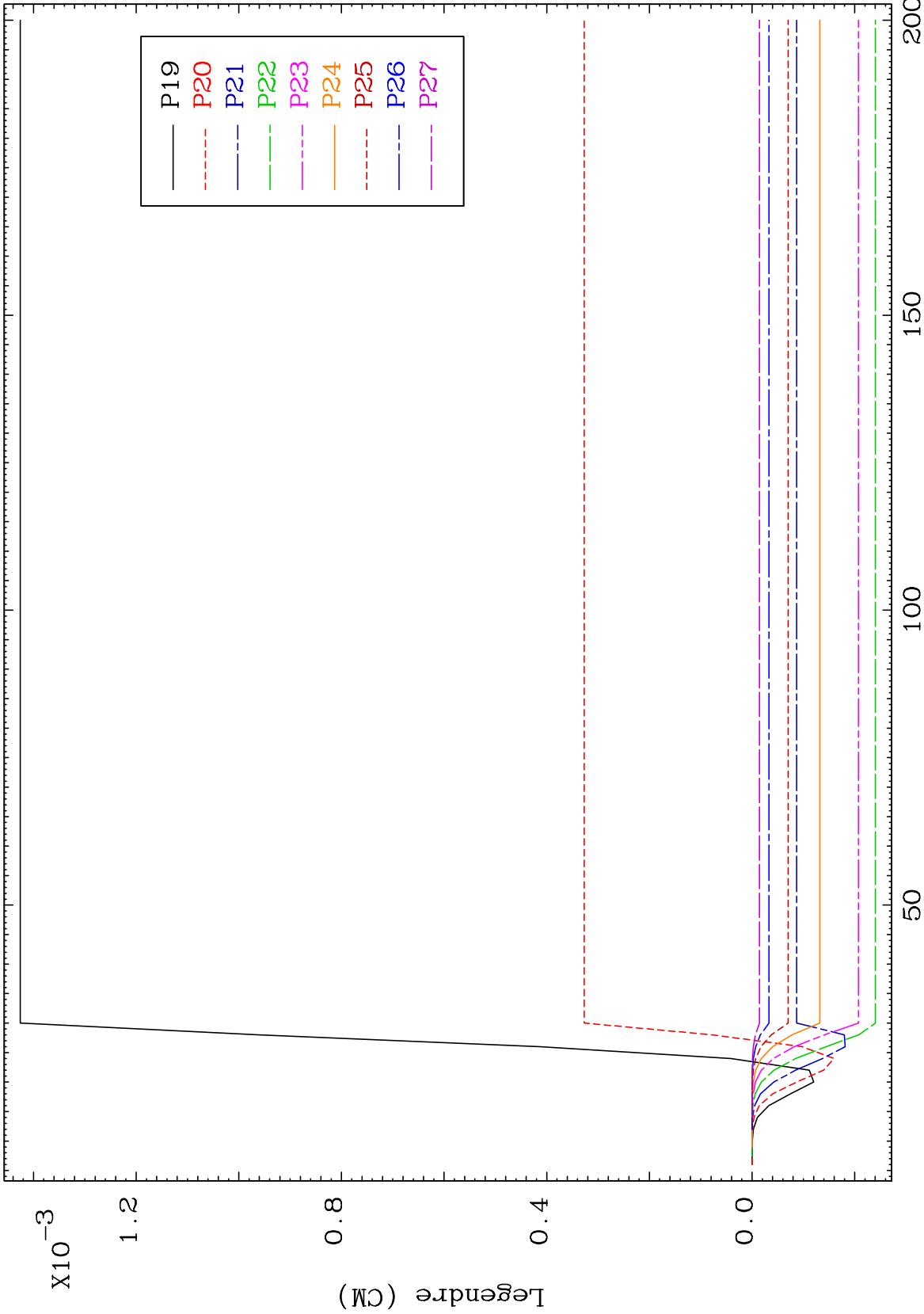
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

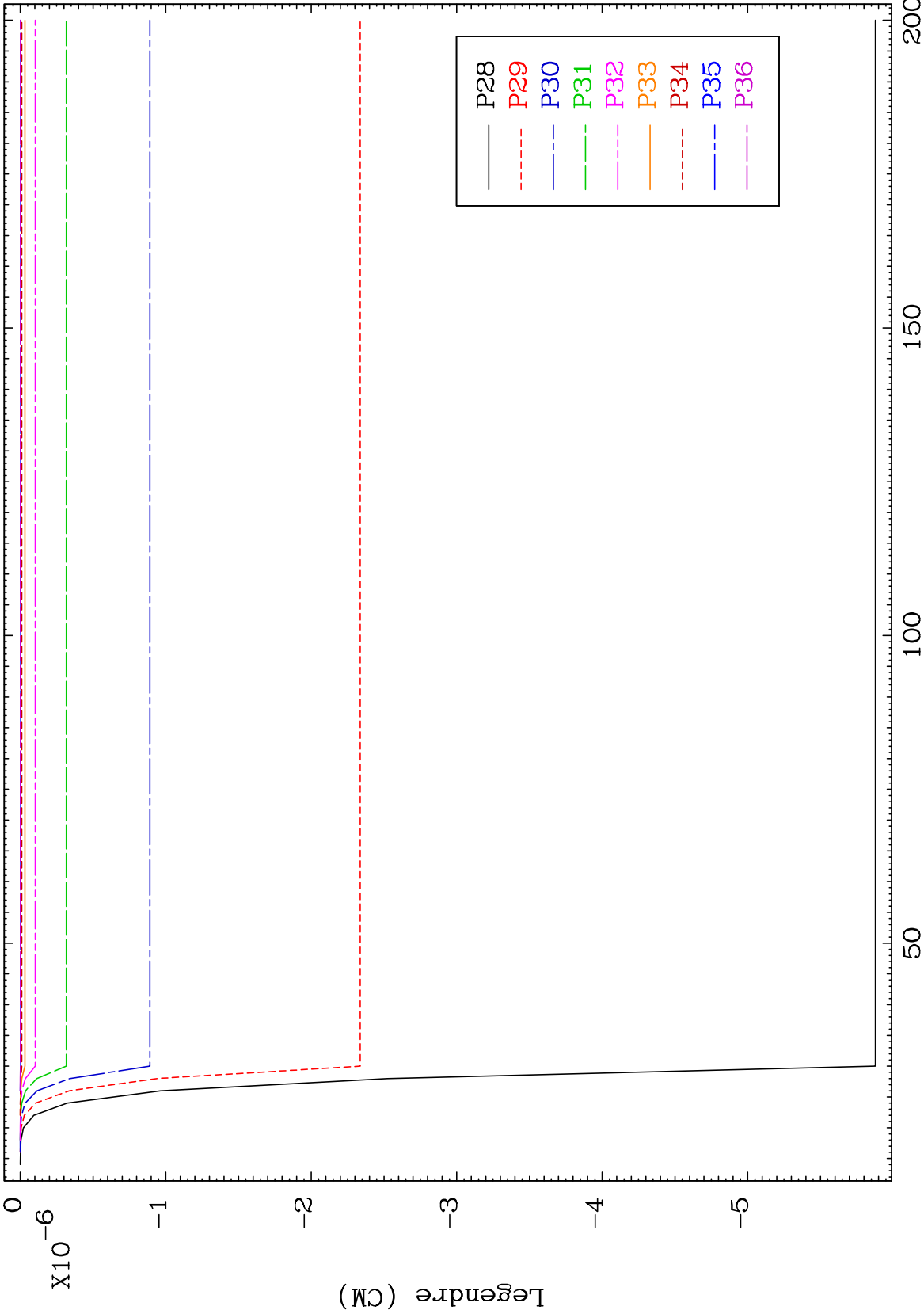


34

70-Yb-169

MAT 7028 MT= 55 (n,n') Level 70-Yb-169

Legendre Coefficients



35

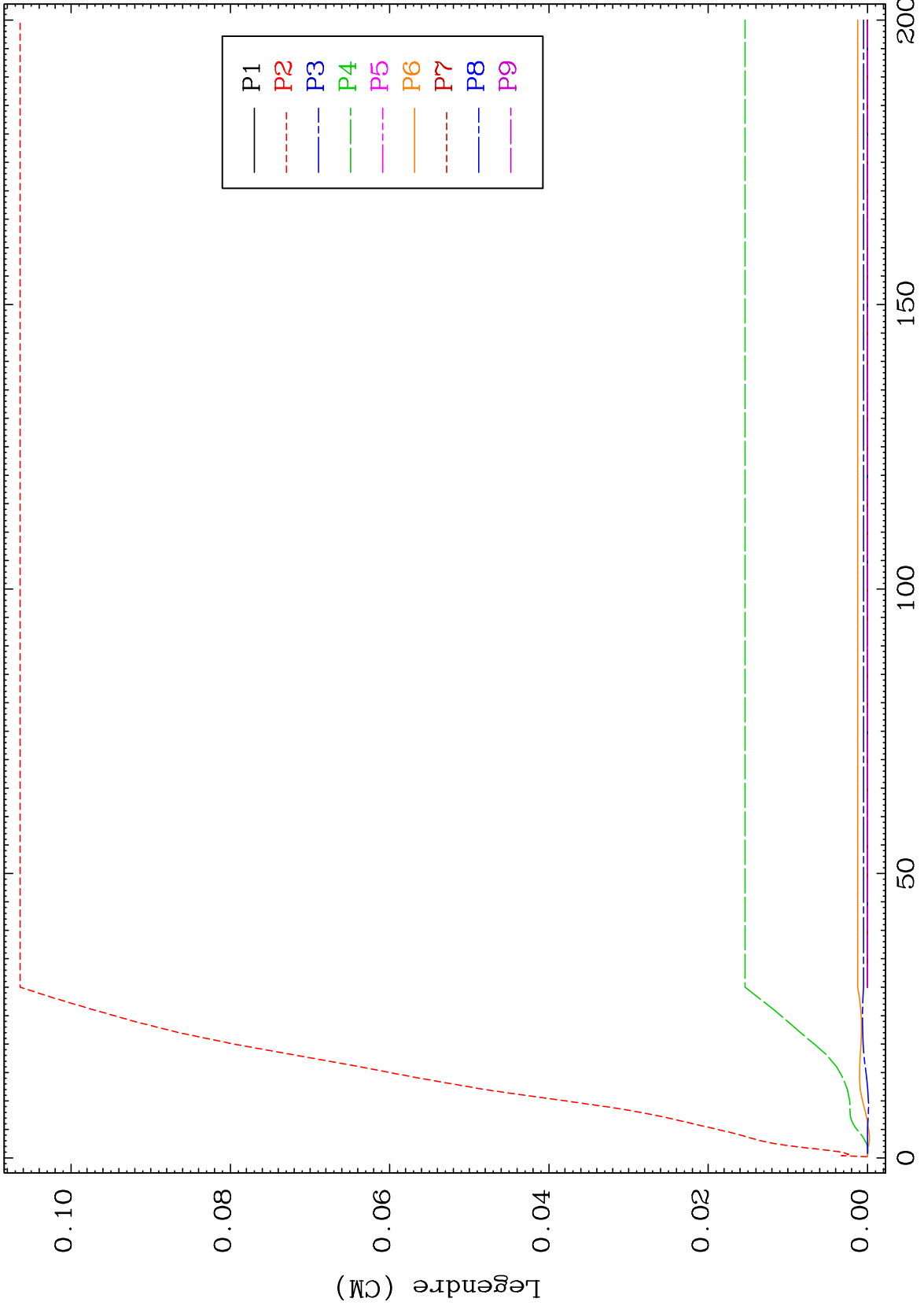
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



36

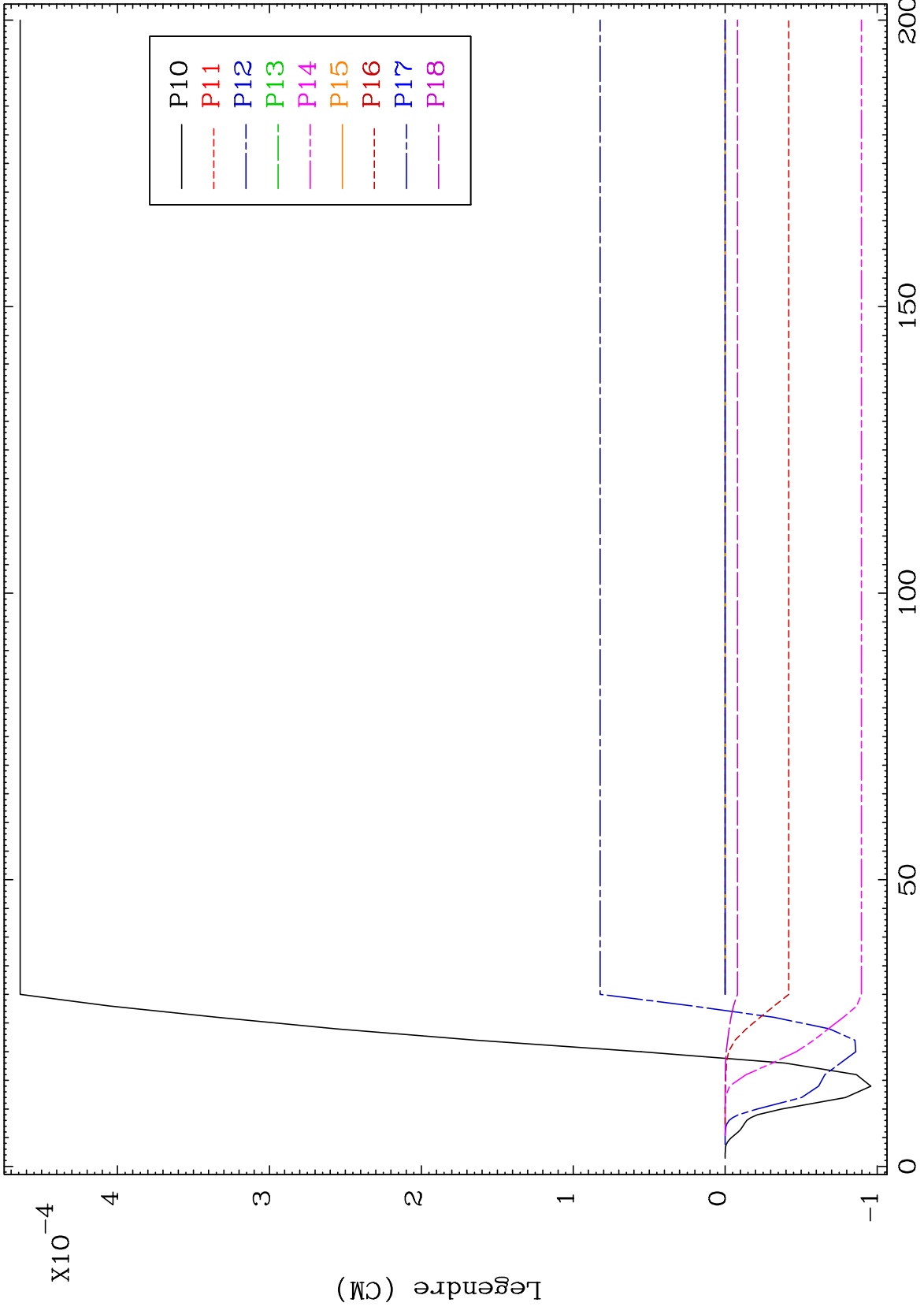
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

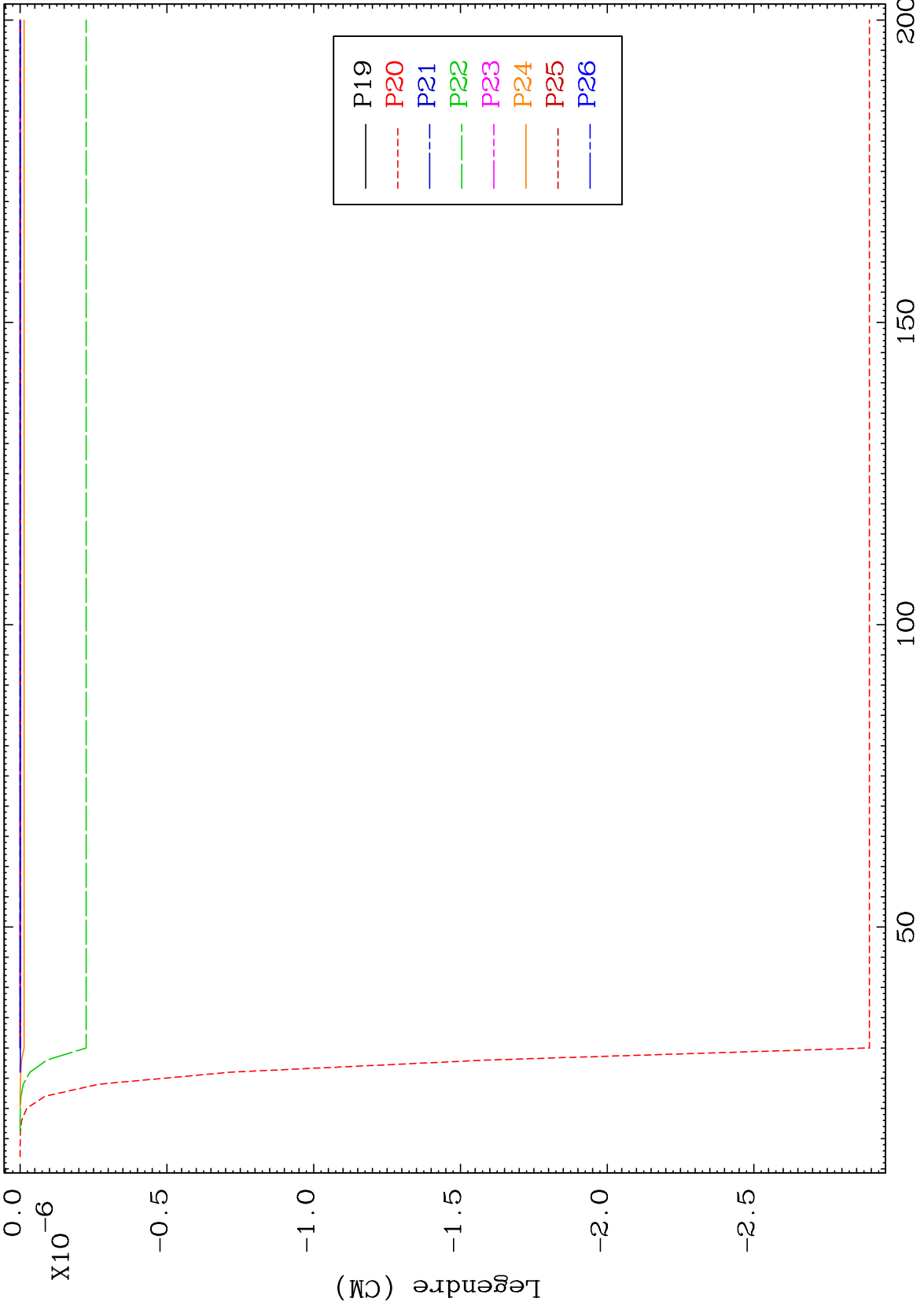


37

Incident Energy (MeV)

70-Yb-169

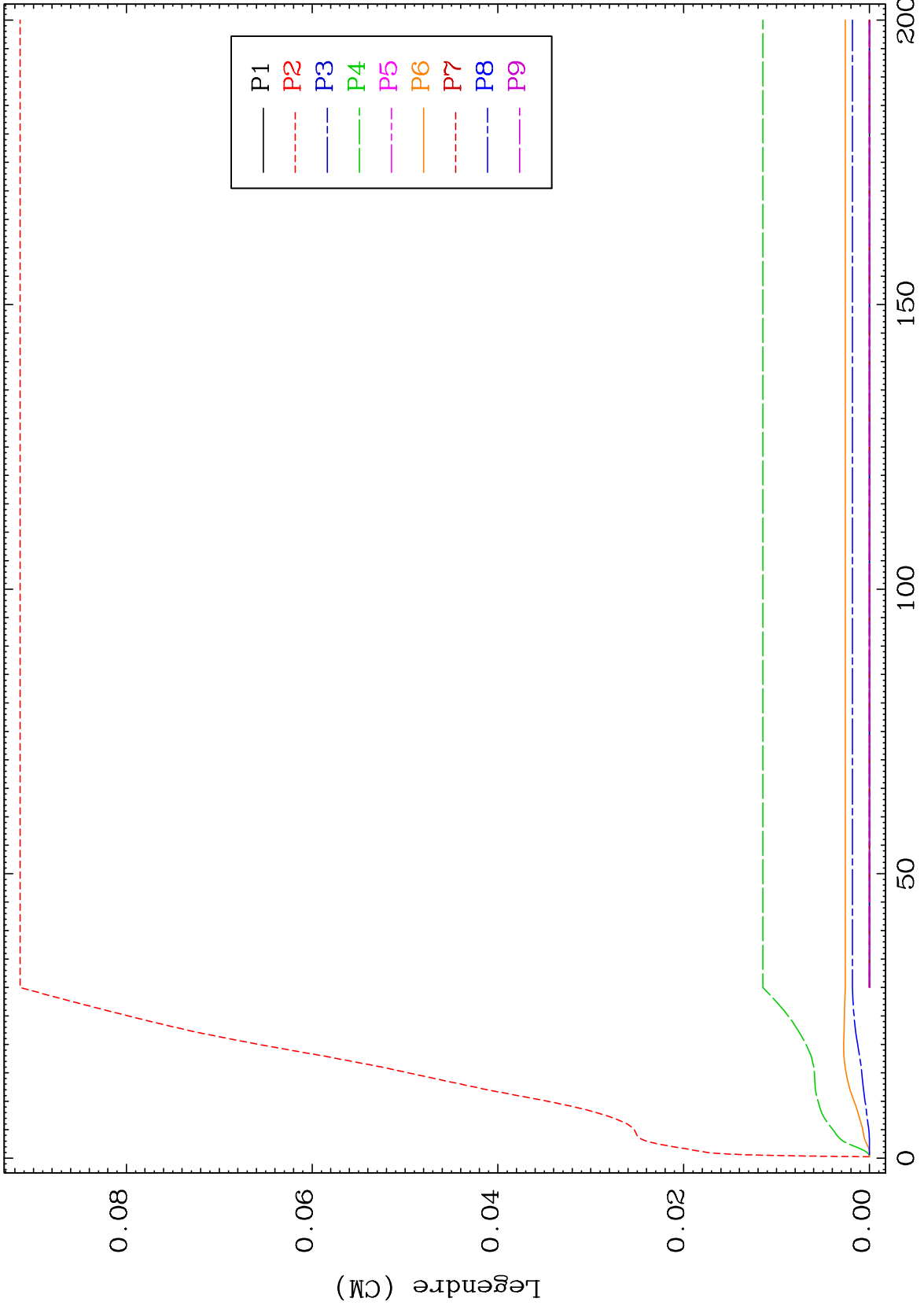
MAT 7028 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-169



MAT 7028

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

70-Yb-169



39

Incident Energy (MeV)

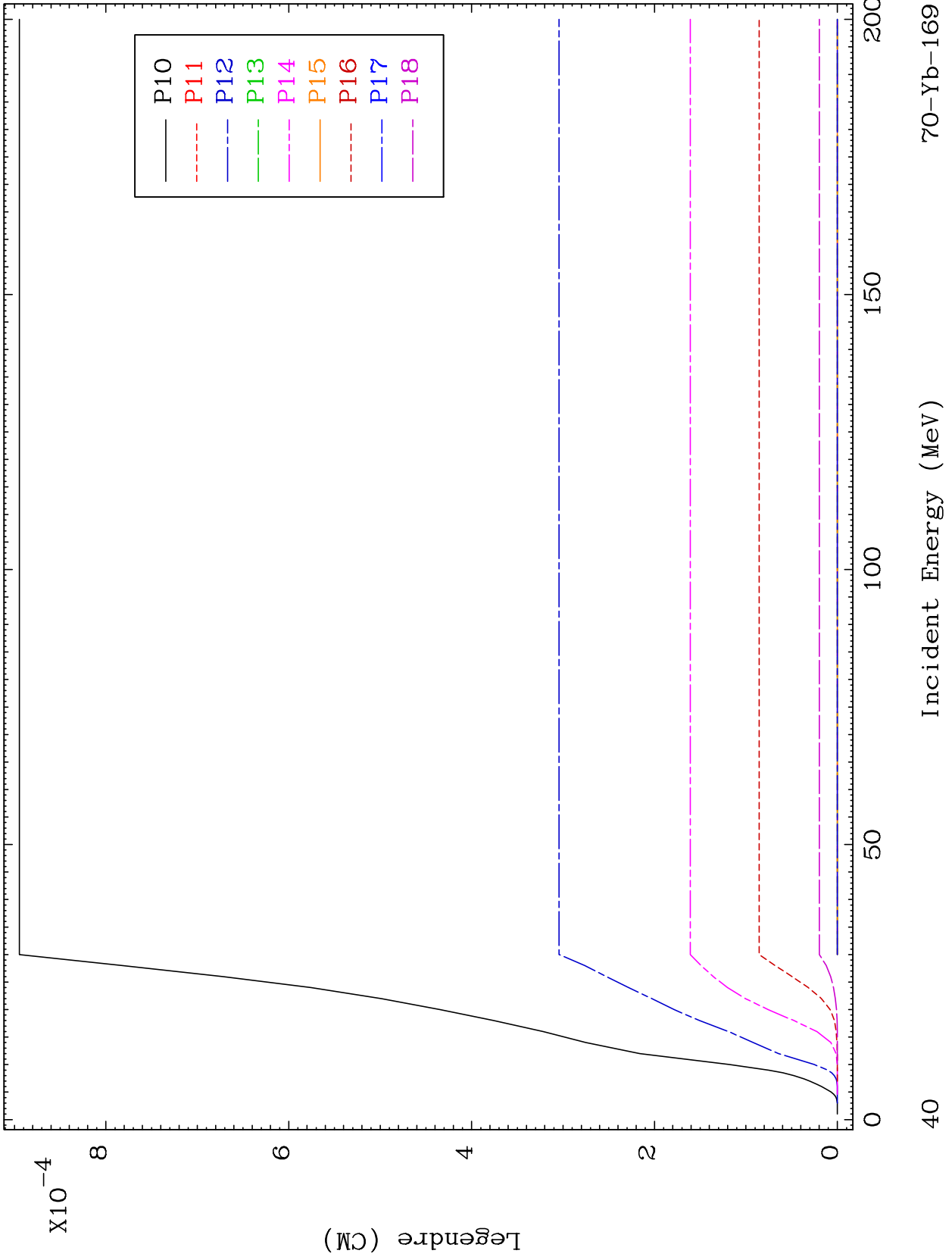
70-Yb-169



MAT 7028

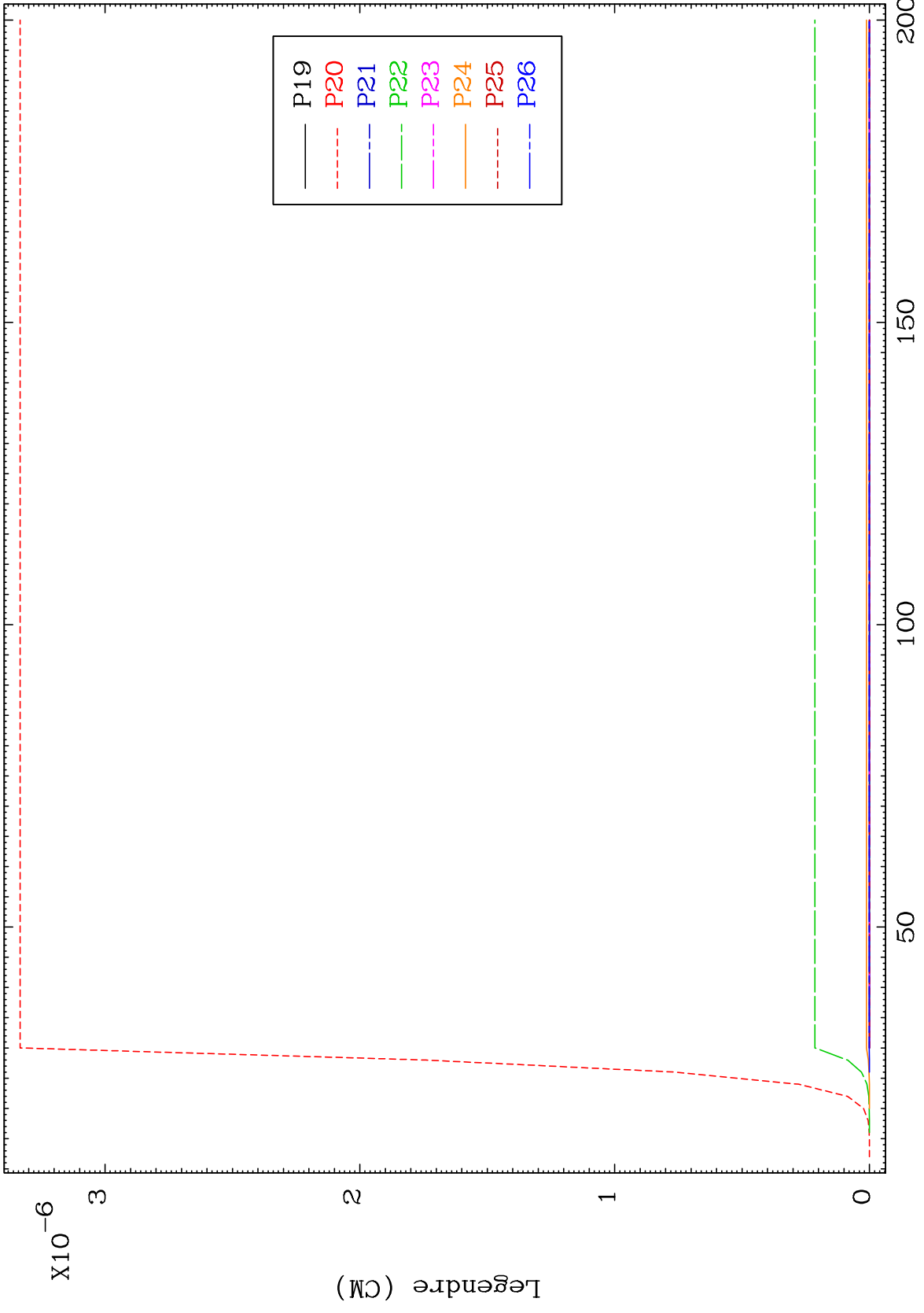
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Legendre Coefficients

70-Yb-169



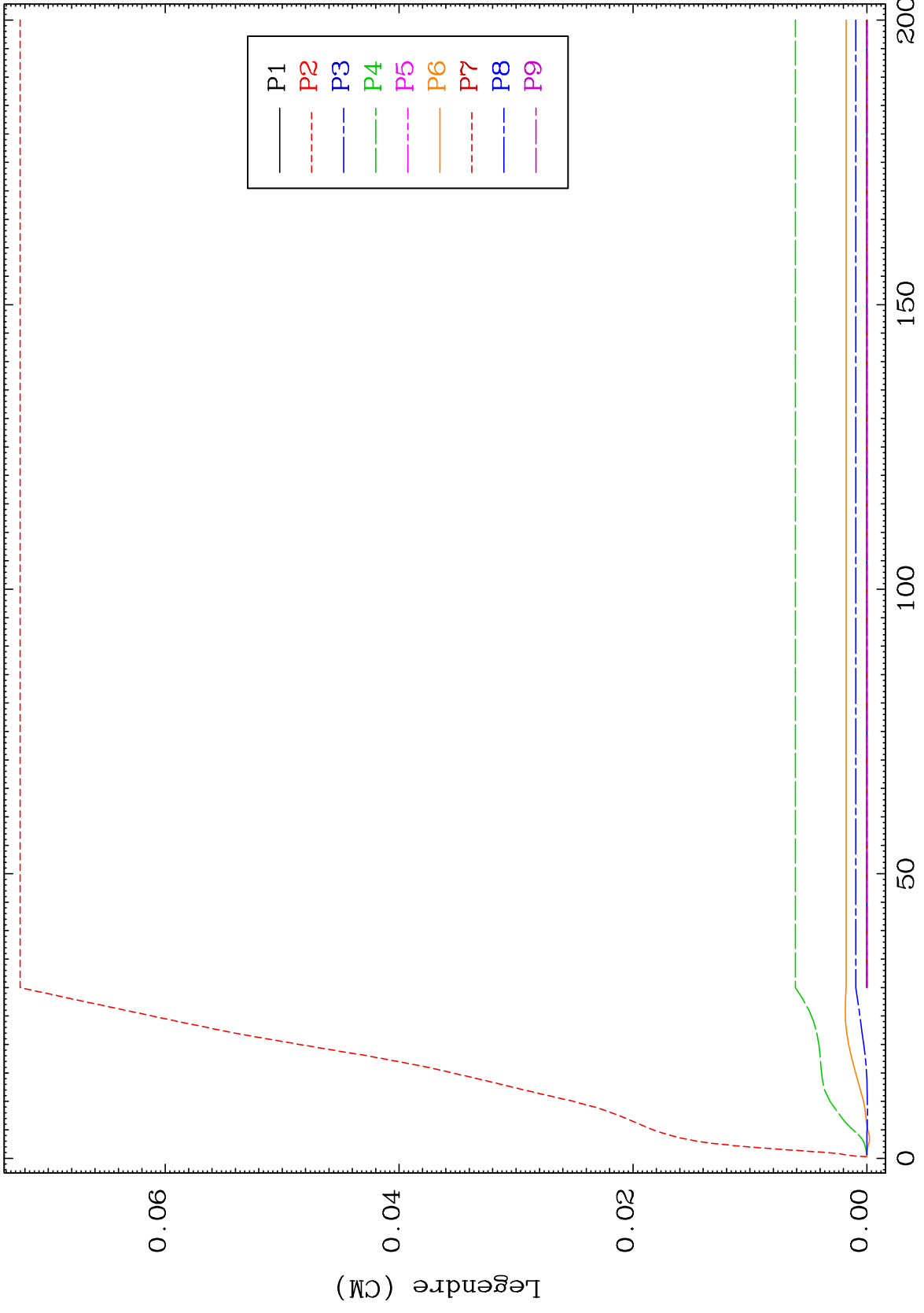
70-Yb-169

MAT 7028 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-169



41 70-Yb-169

MAT 7028 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-169

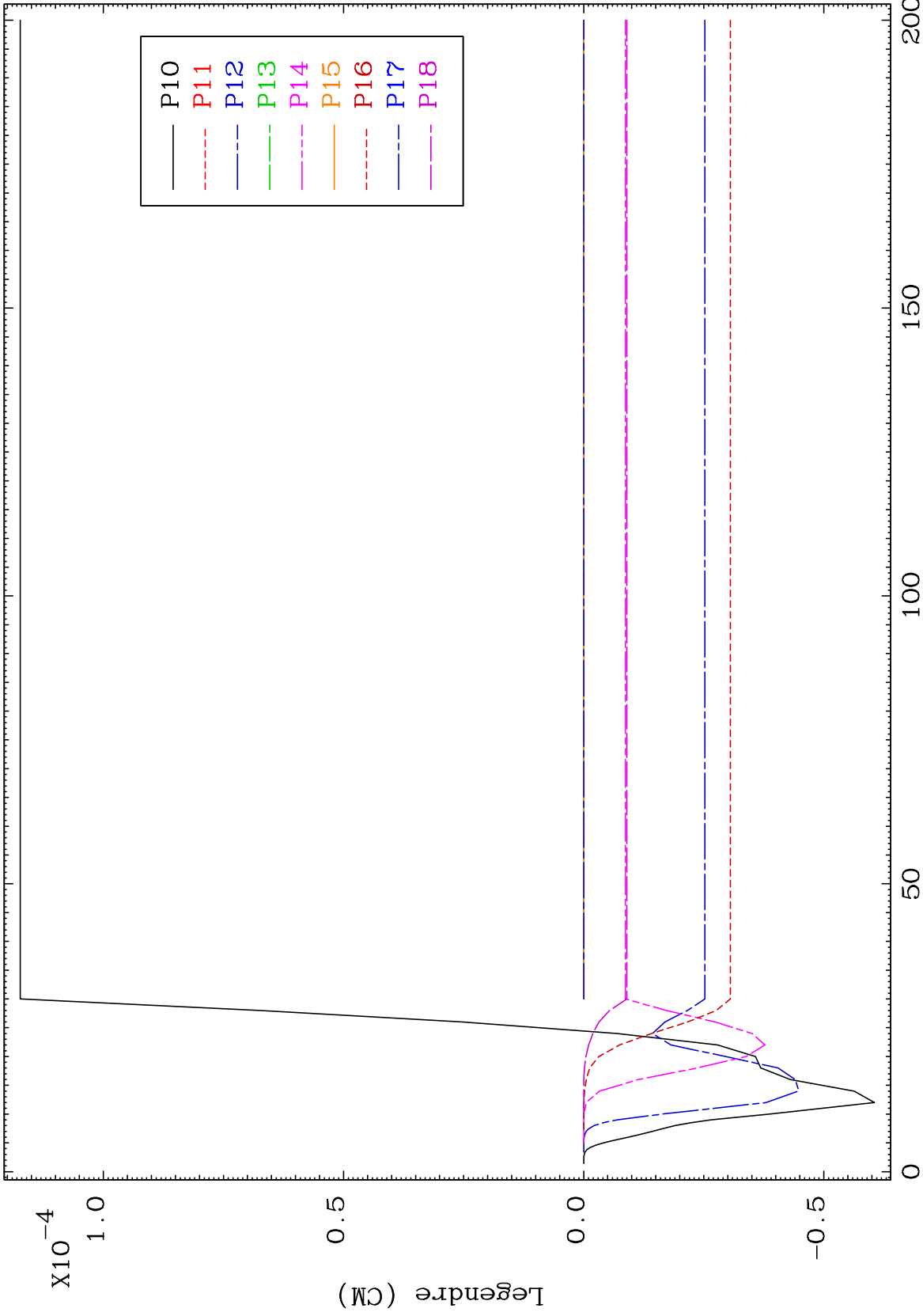


42 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169

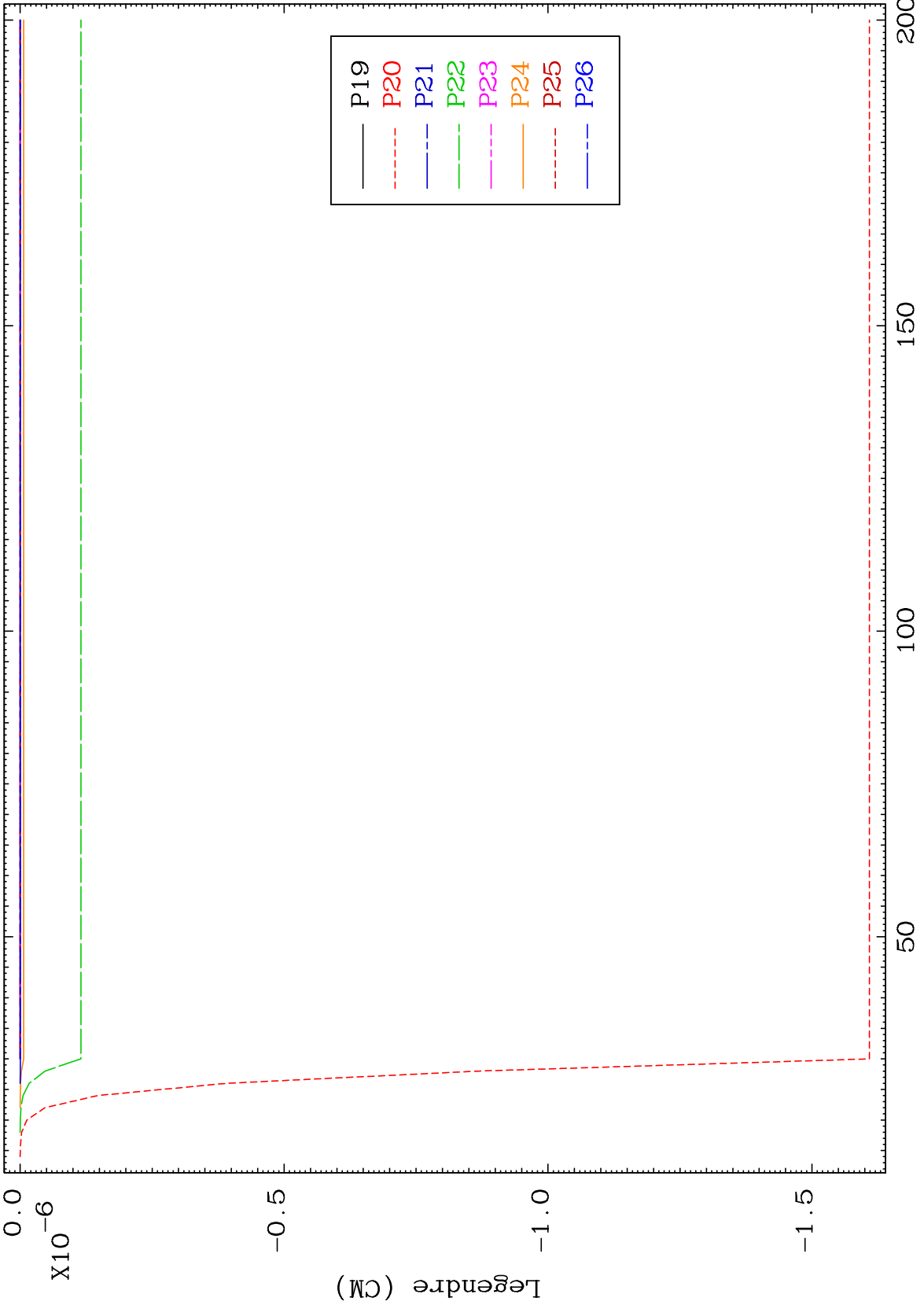


43

Incident Energy (MeV)

70-Yb-169

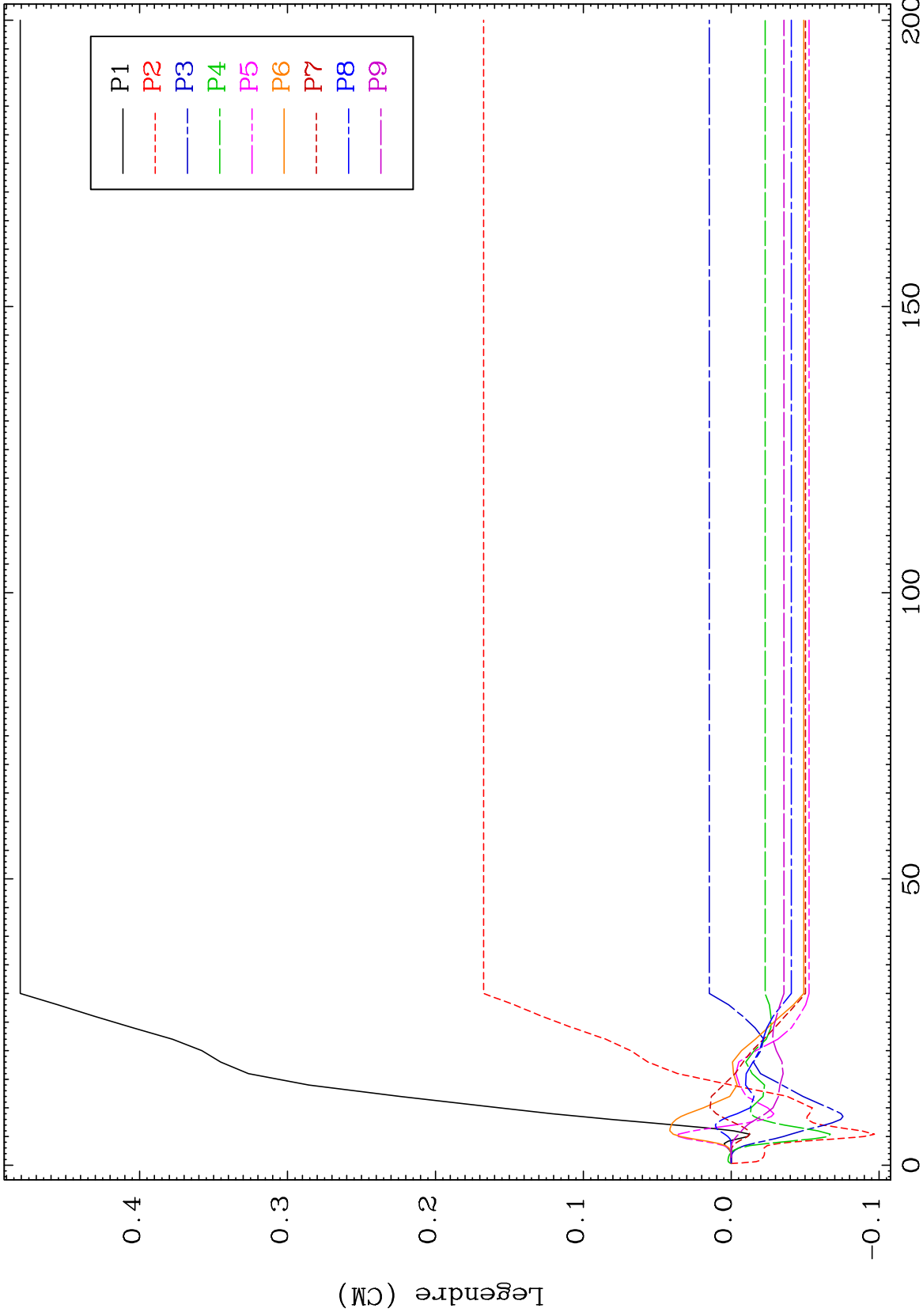
MAT 7028 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-169



MAT 7028

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

70-Yb-169

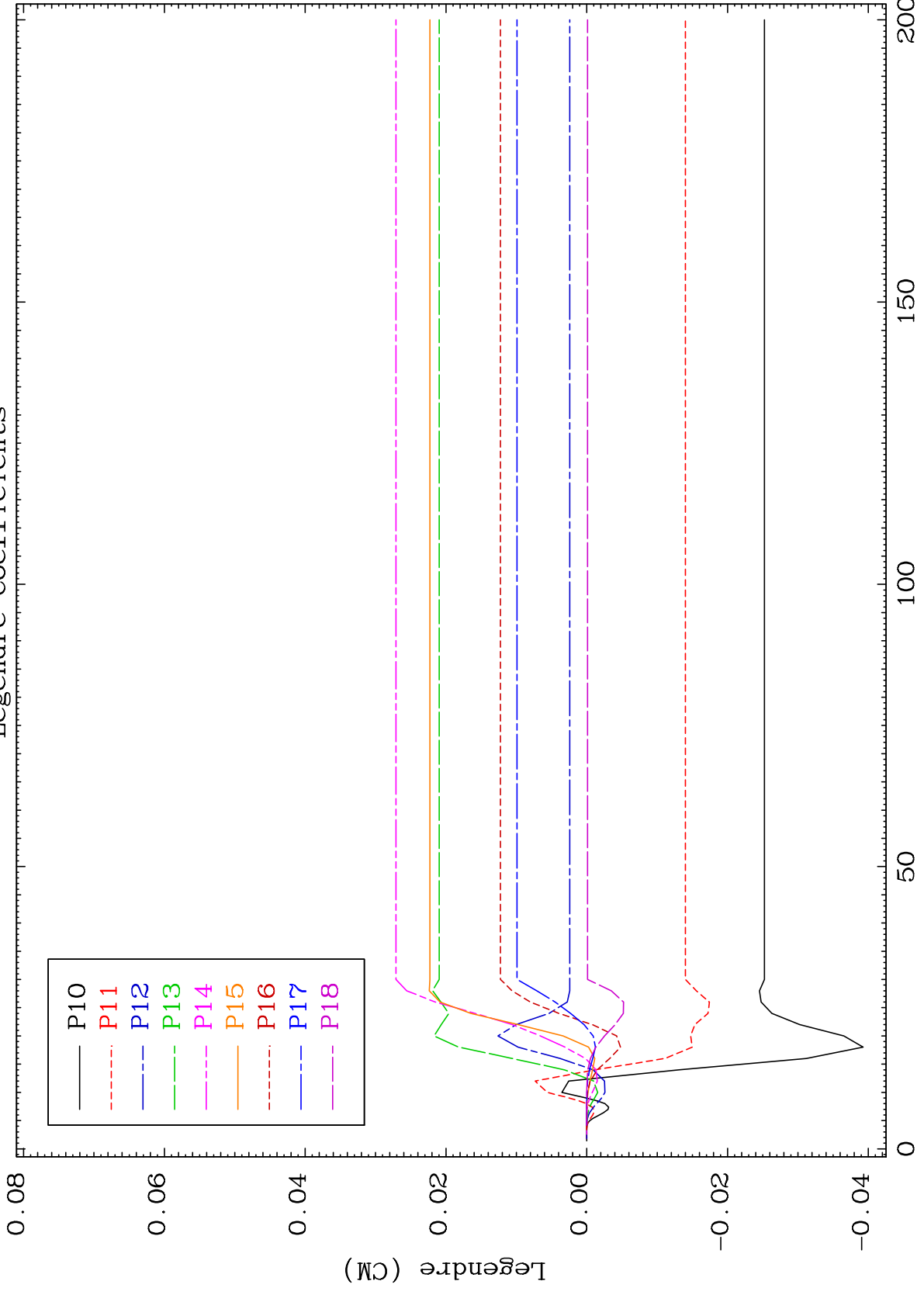


45

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-169

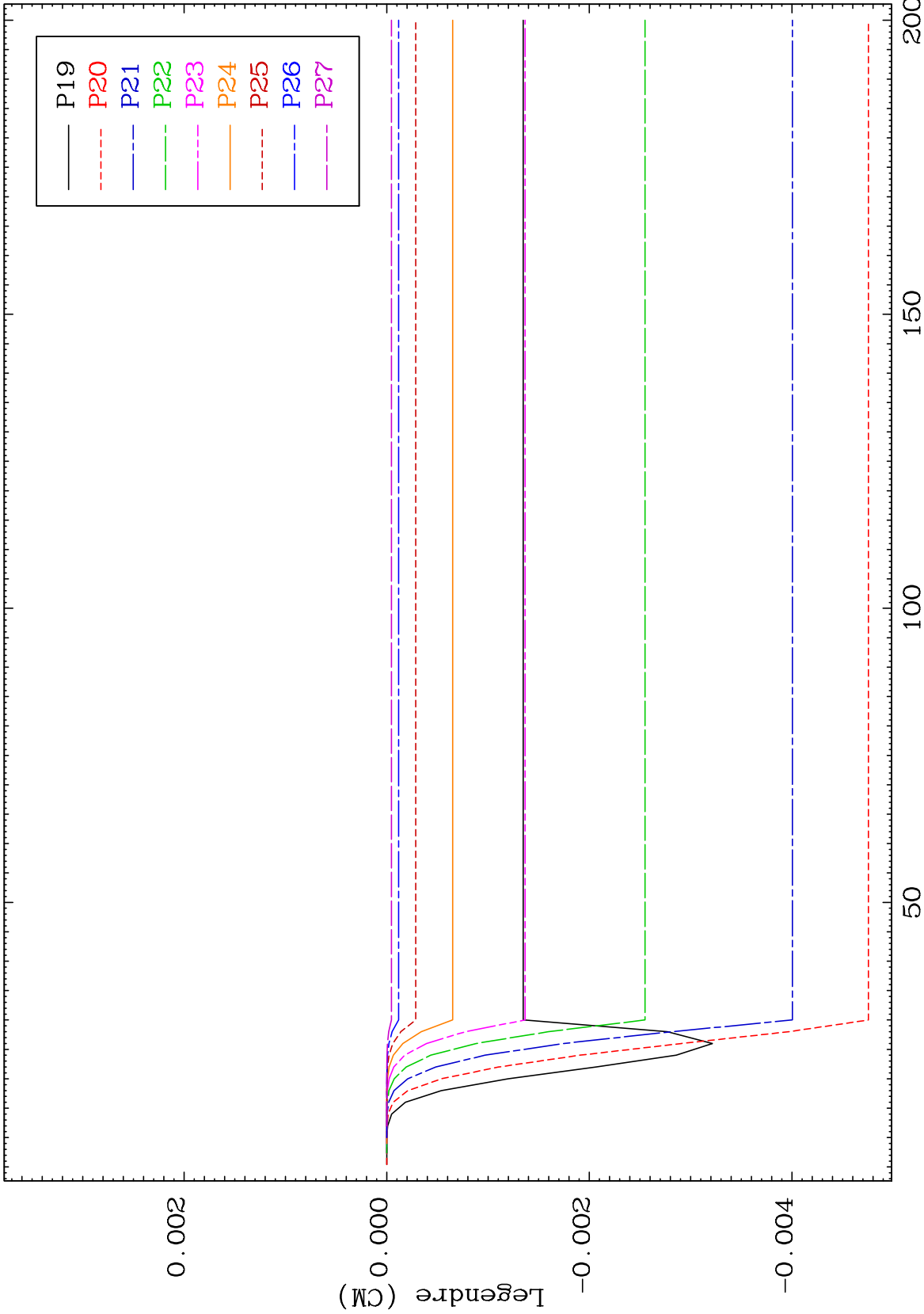


46 70-Yb-169

MAT 7028

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

70-Yb-169



47

Incident Energy (MeV)

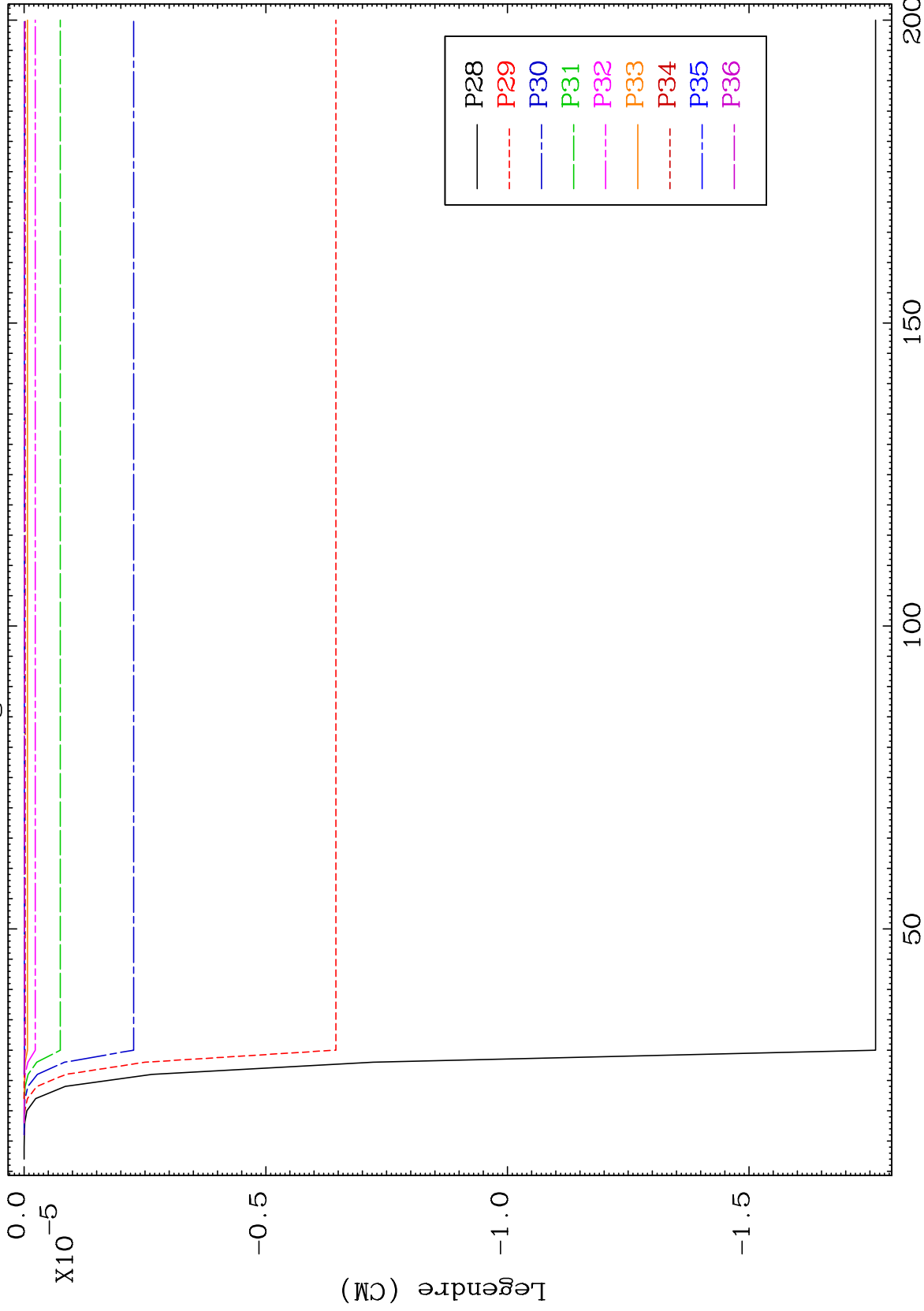
70-Yb-169



MAT 7028

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

70-Yb-169

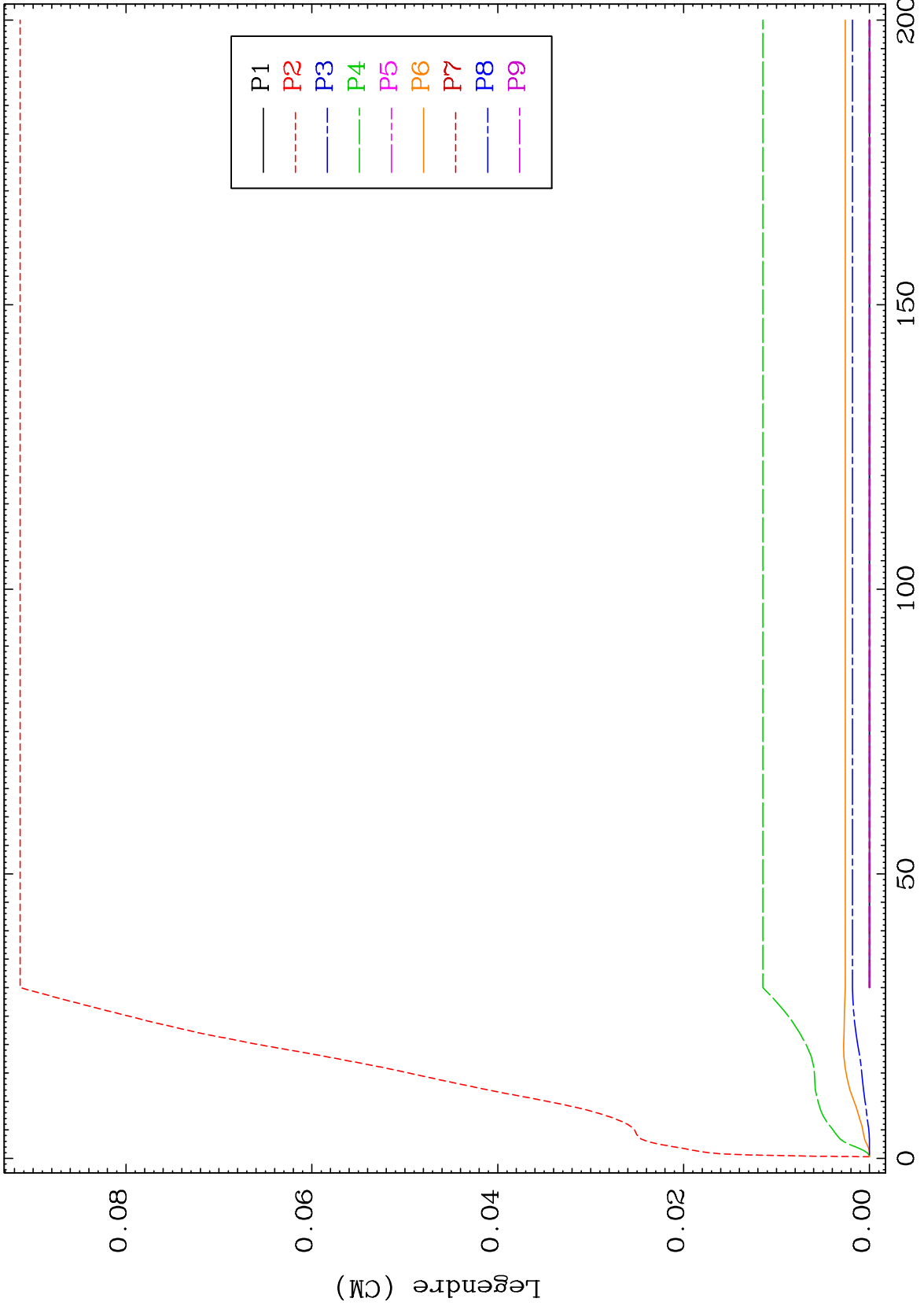


48

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-169

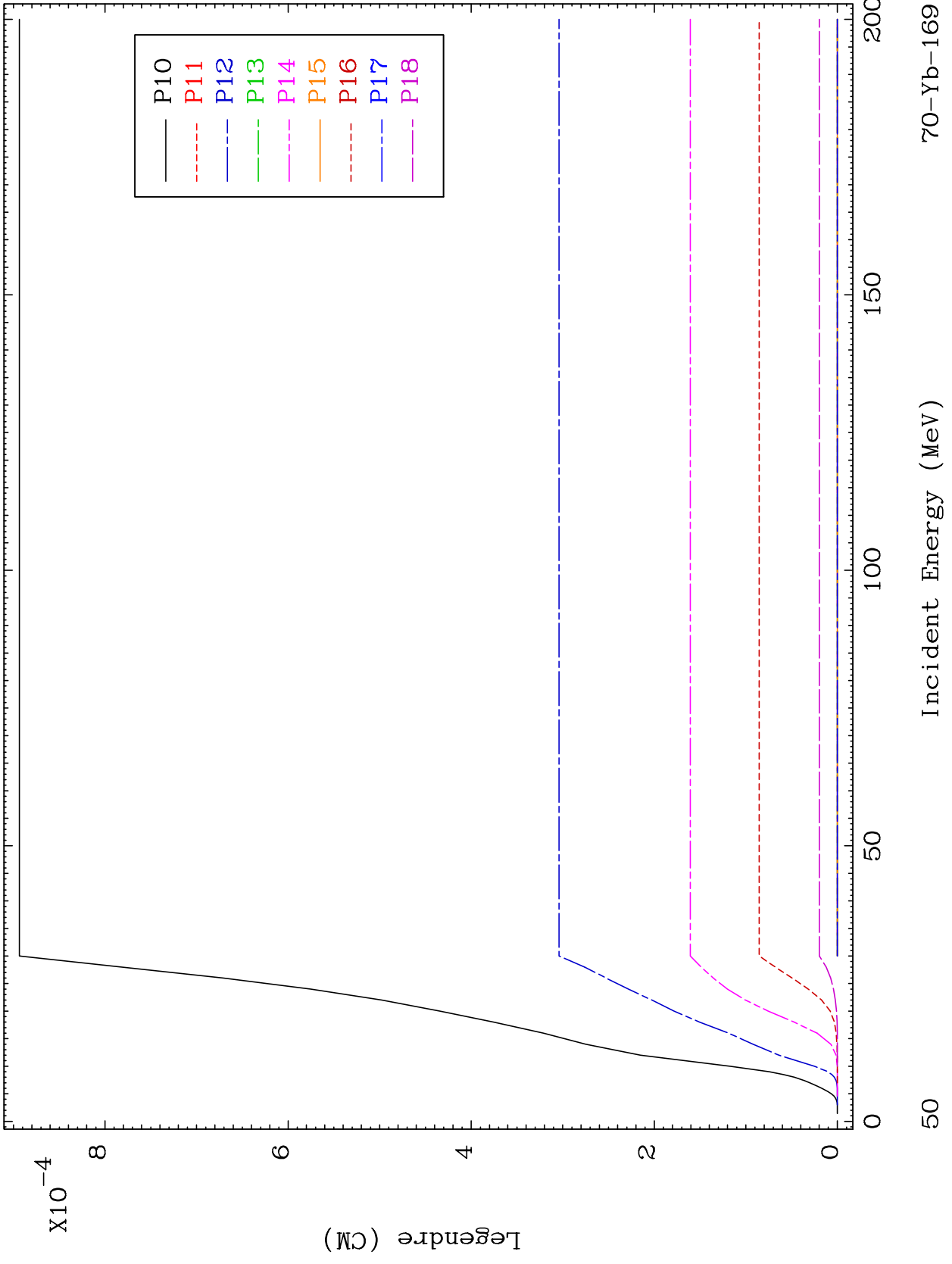


Legendre (CM) Incident Energy (MeV) 70-Yb-169

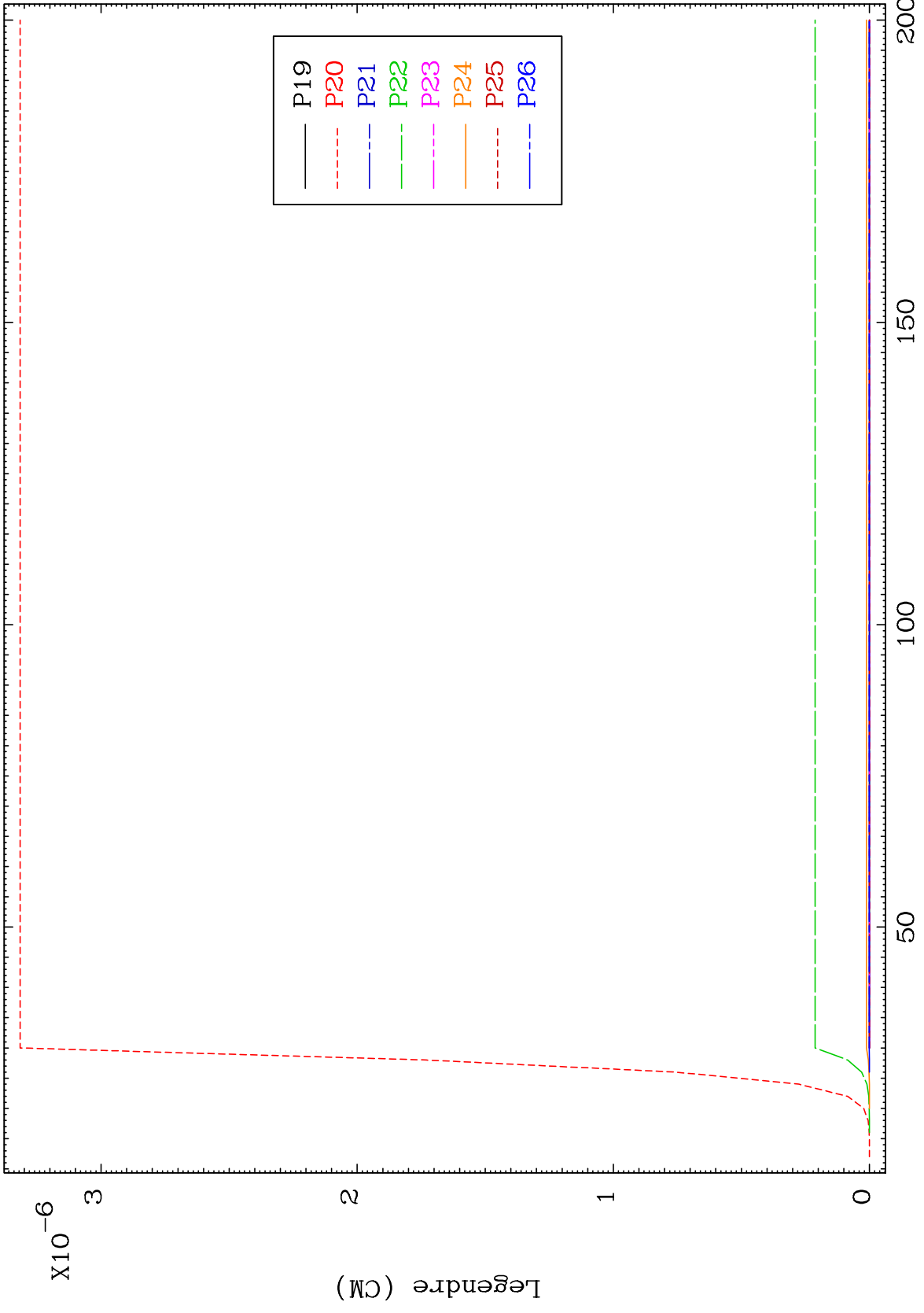
MAT 7028

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

70-Yb-169

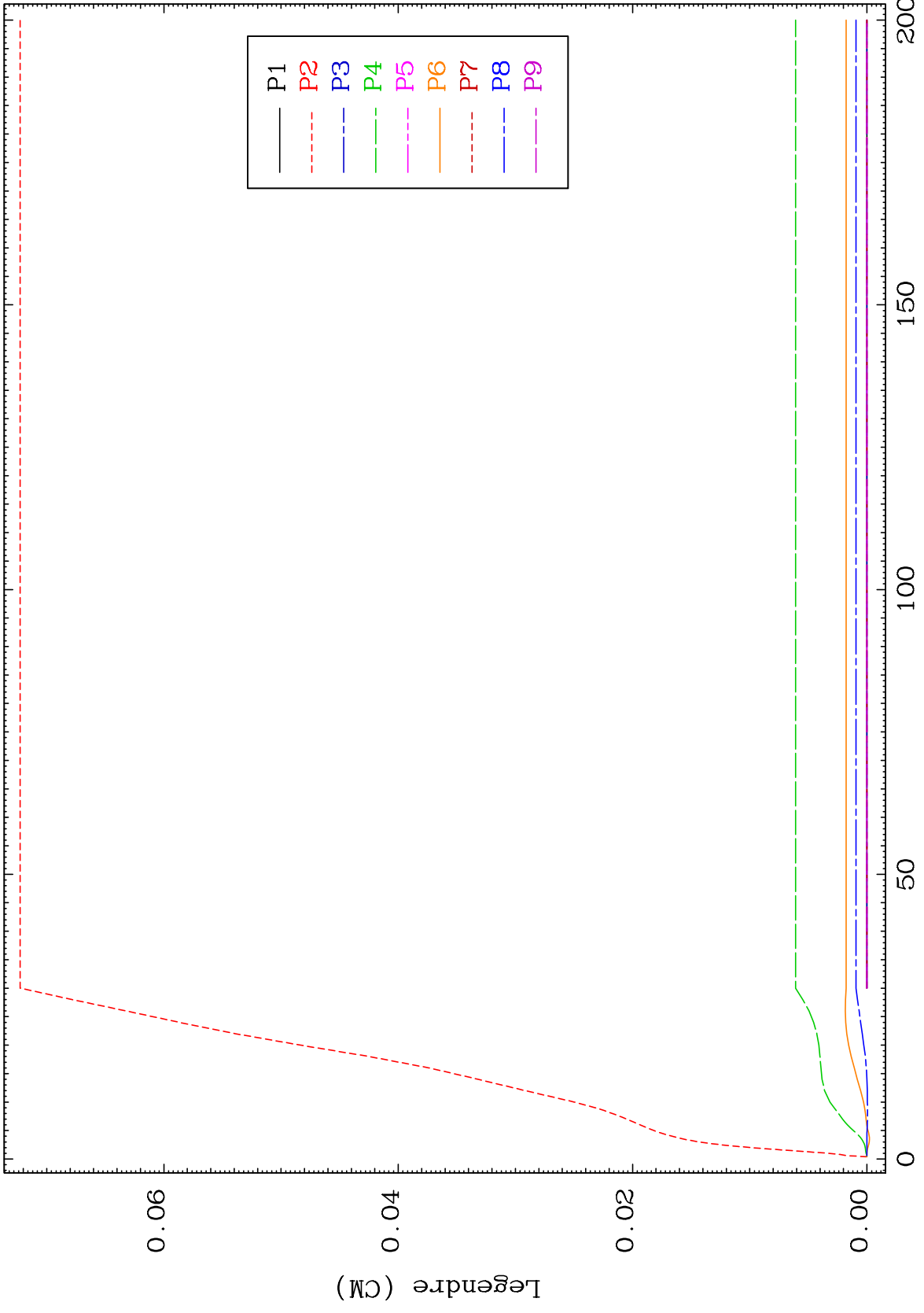


MAT 7028 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-169



51 Incident Energy (MeV) 70-Yb-169

MAT 7028 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-169

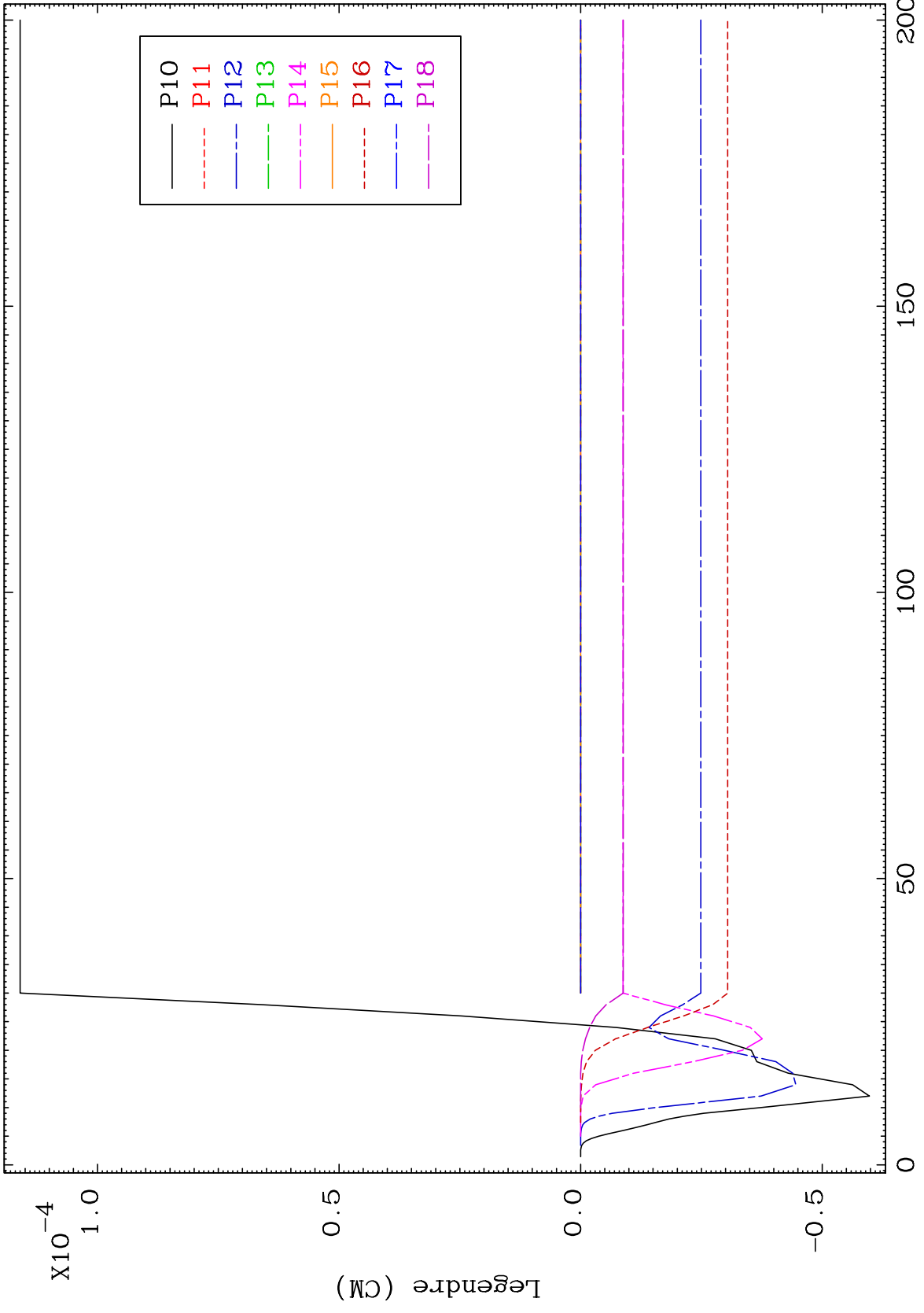


52 Incident Energy (MeV) 70-Yb-169

MAT 7028

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

70-Yb-169



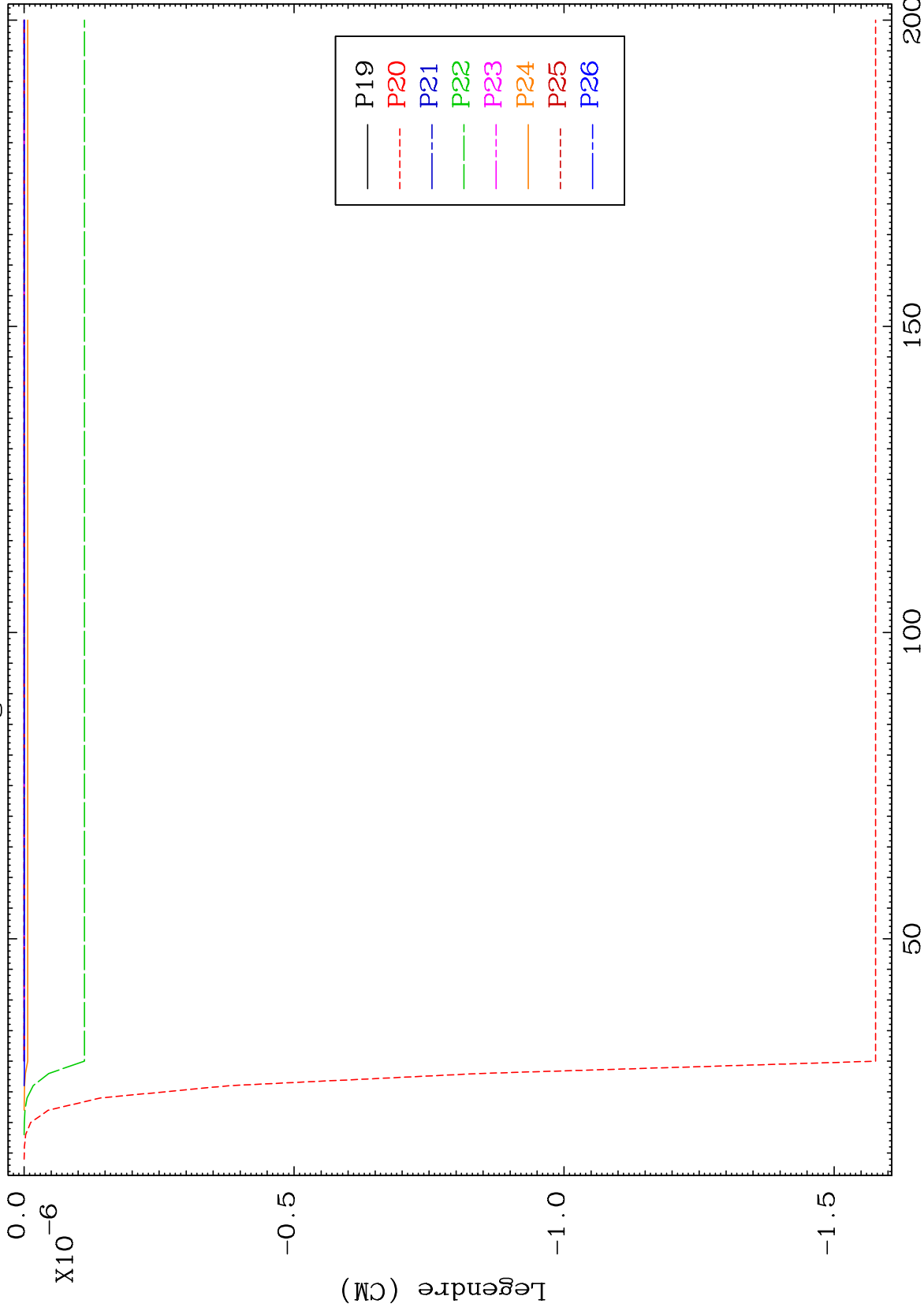
53

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 61 (n,n') Level 70-Yb-169

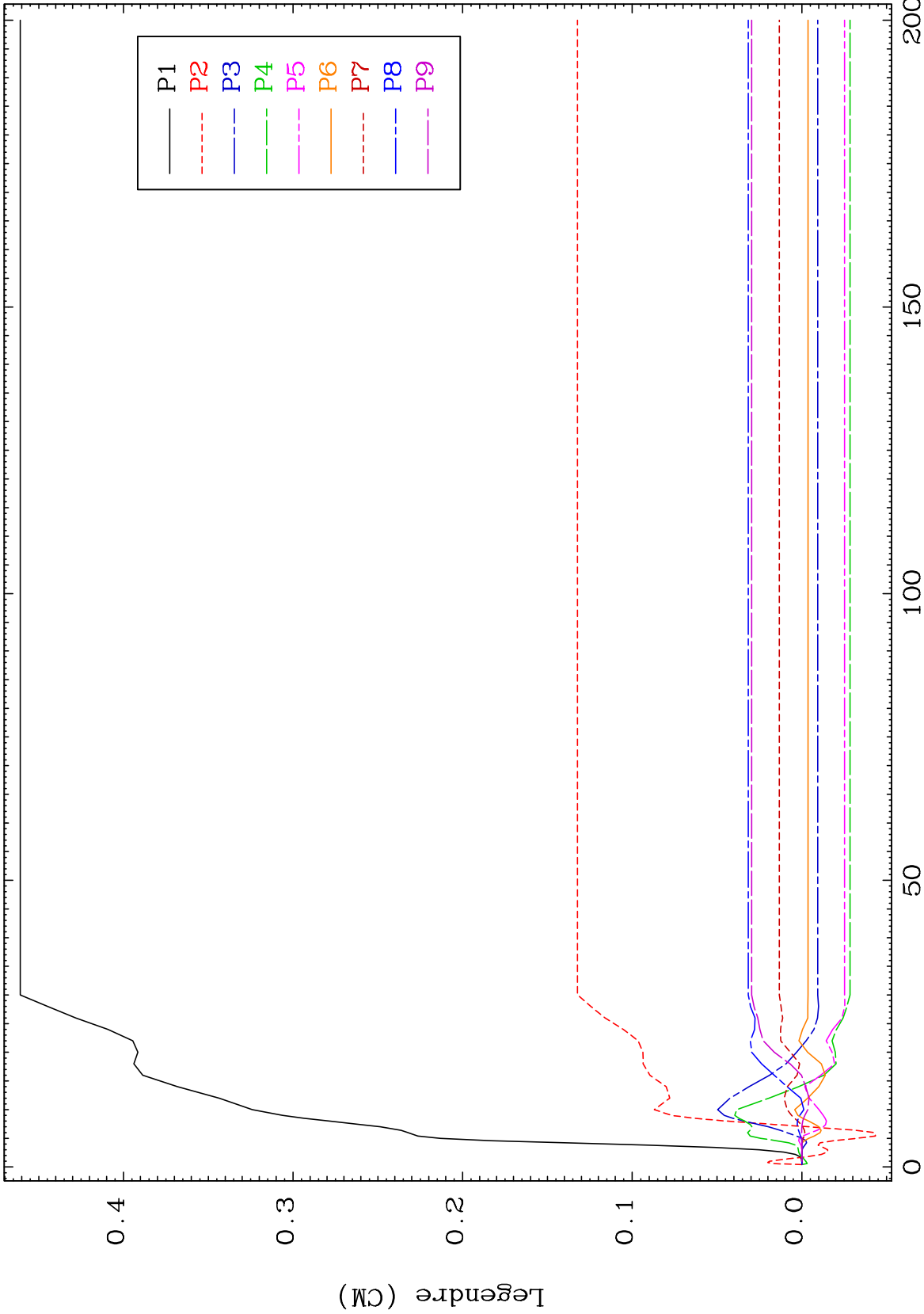
Legendre Coefficients



MAT 7028

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

70-Yb-169



55

Incident Energy (MeV)

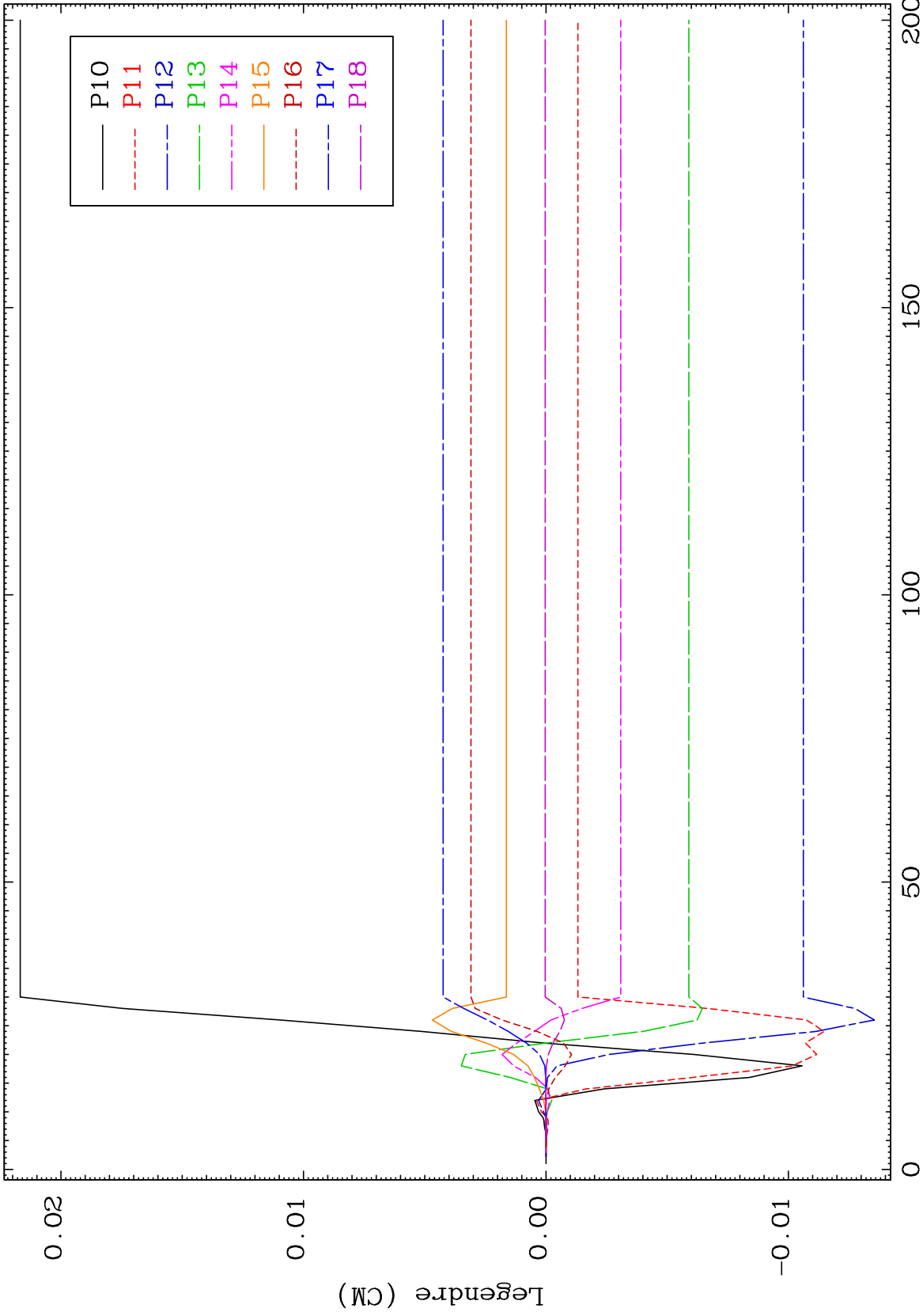
70-Yb-169



MAT 7028

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

70-Yb-169



56

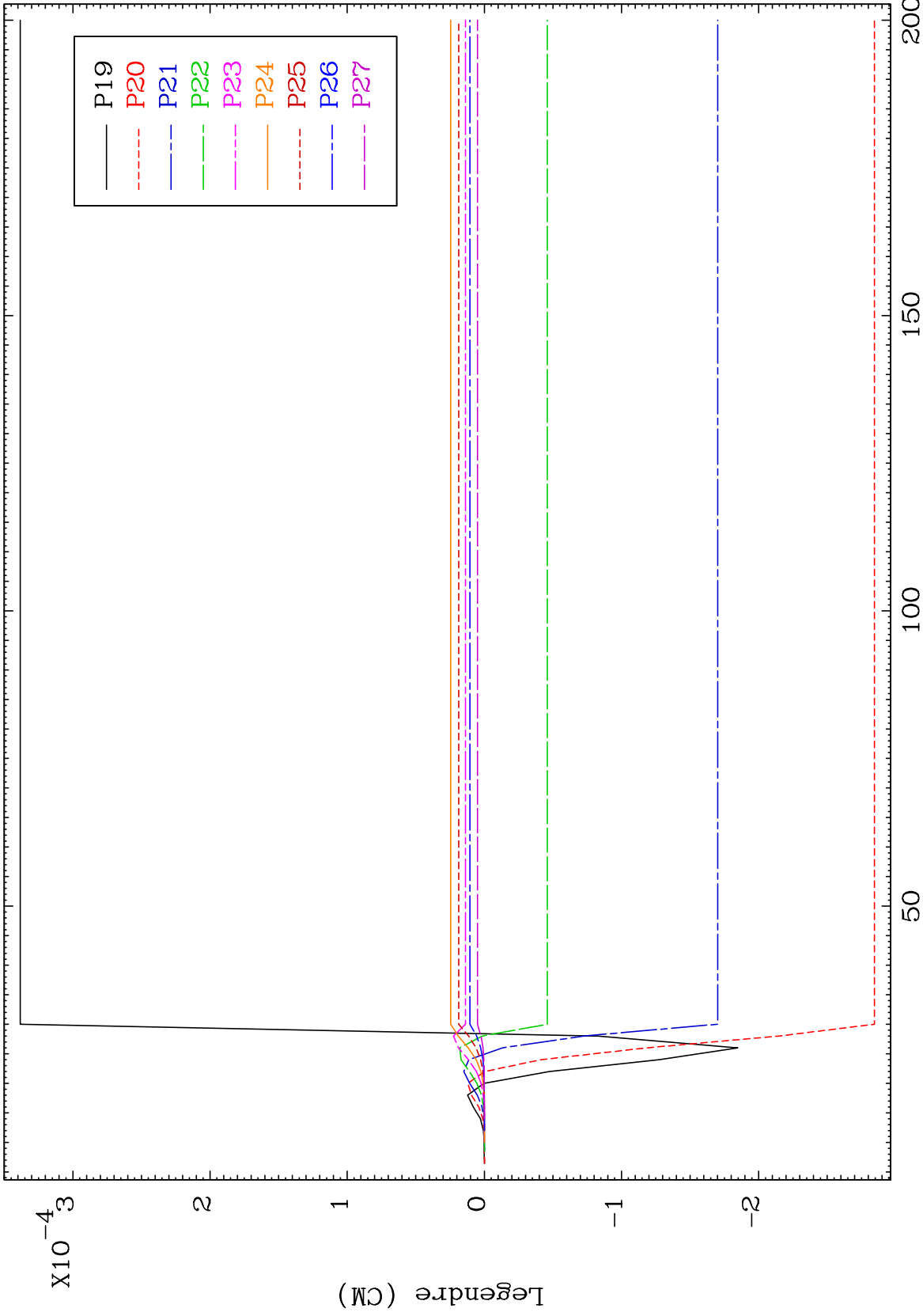
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



57

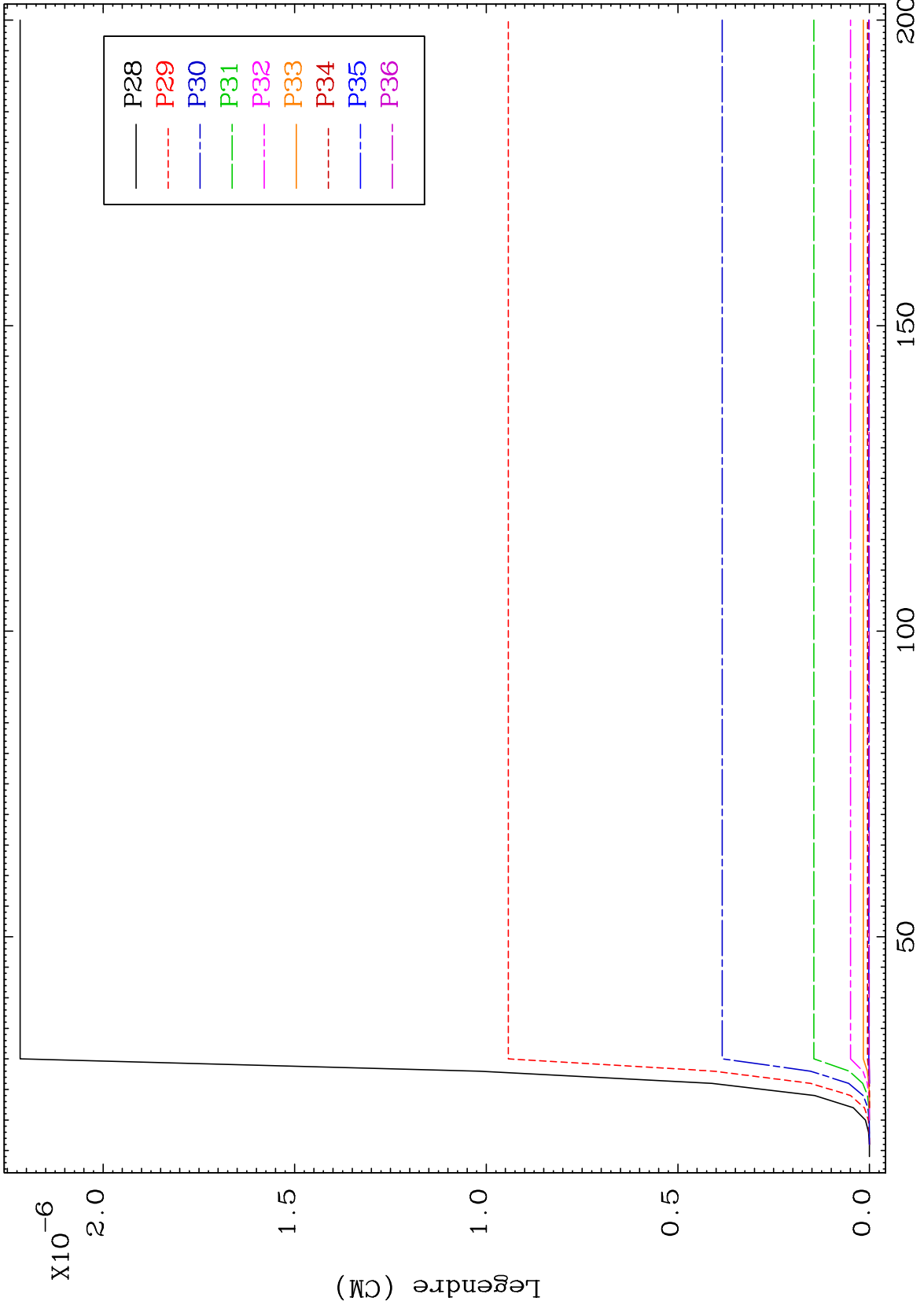
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



58

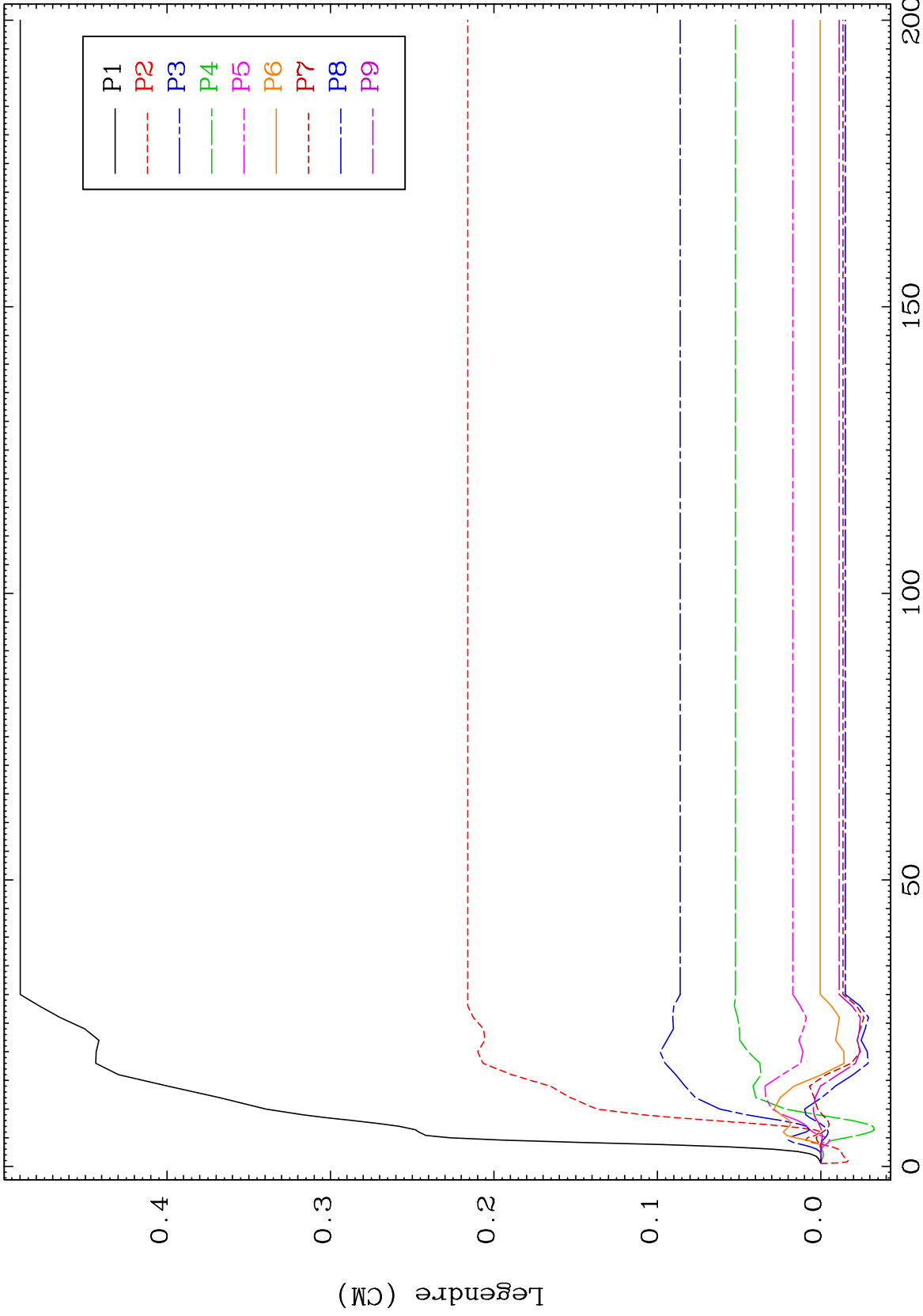
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



59

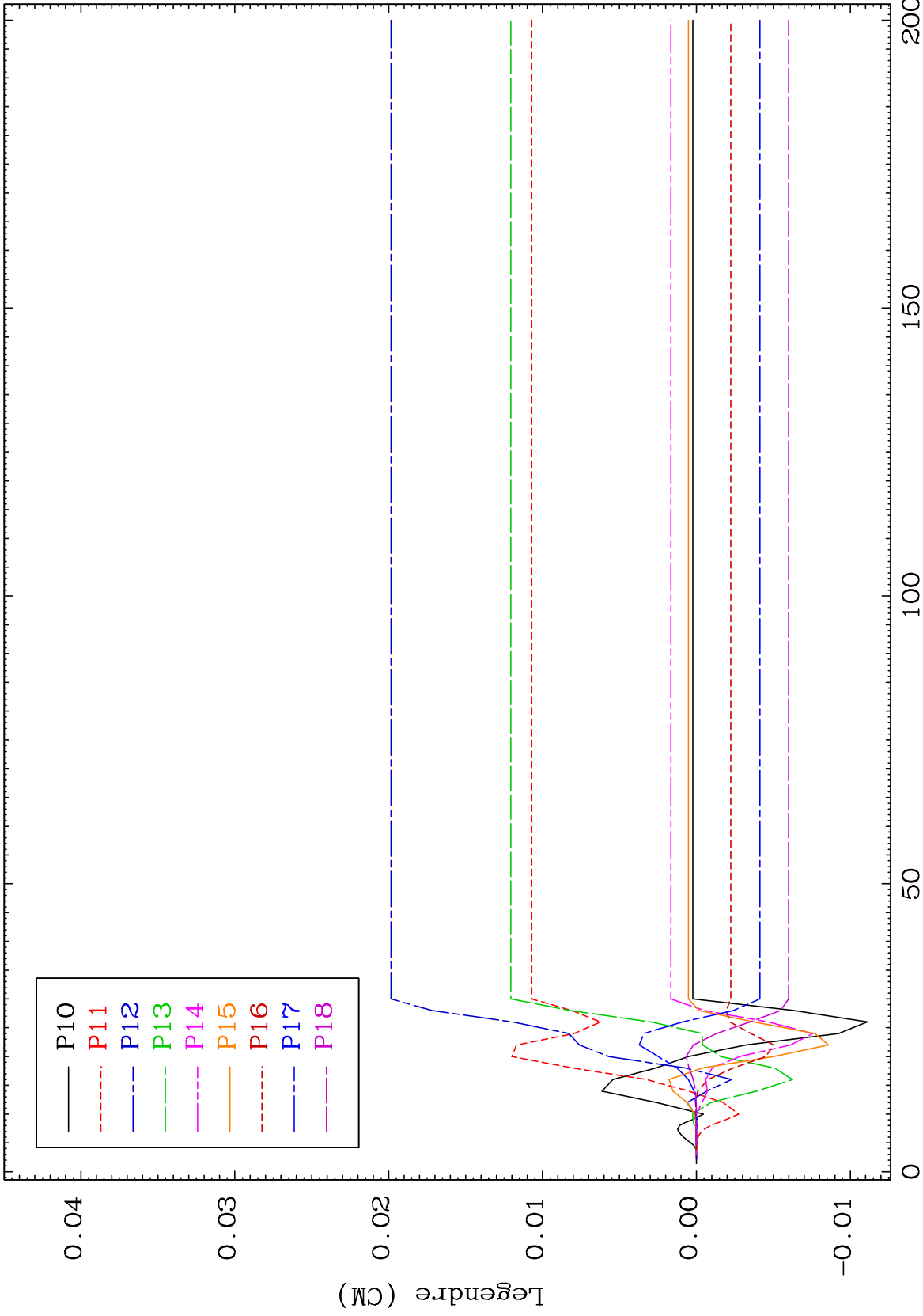
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



60

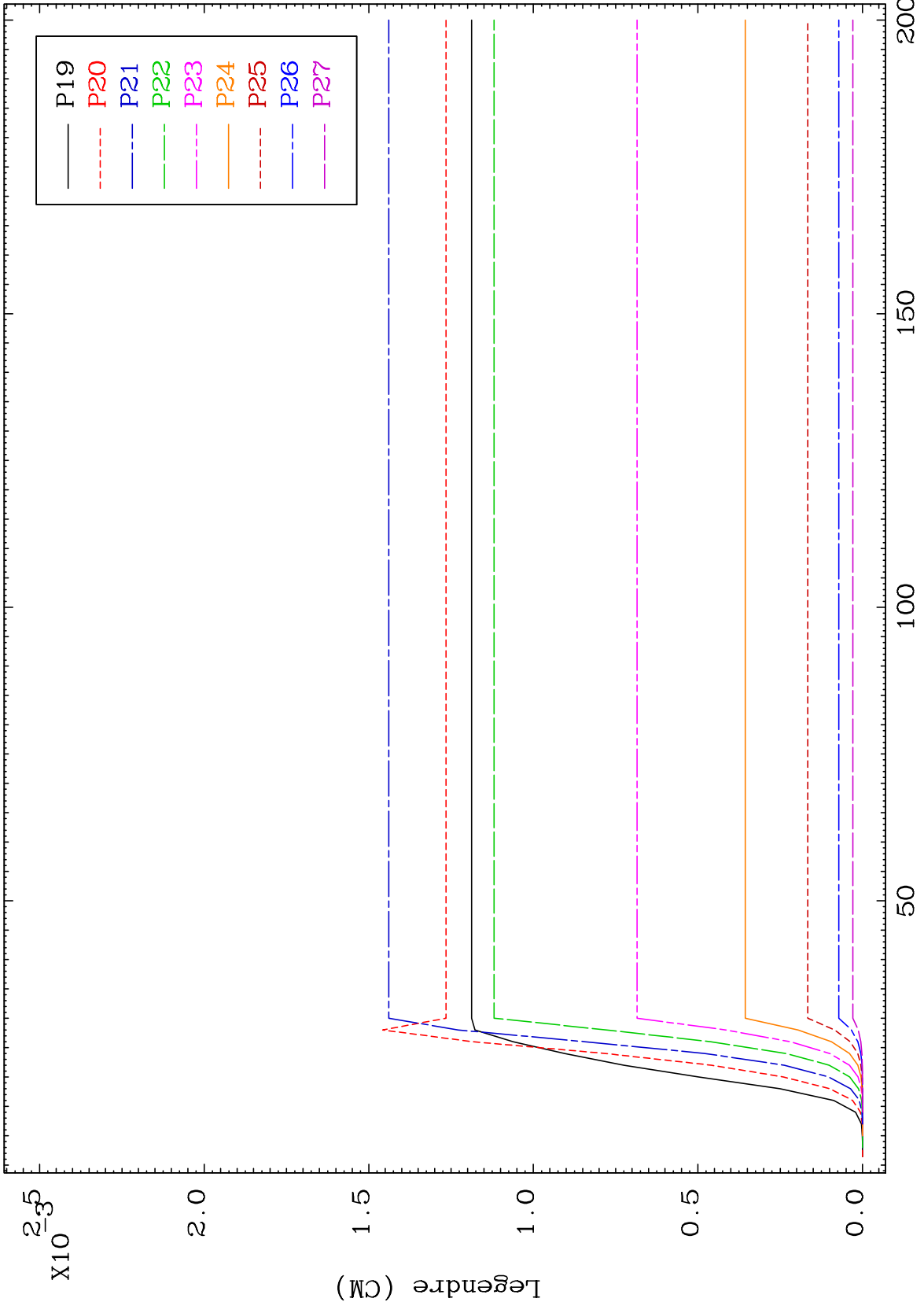
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

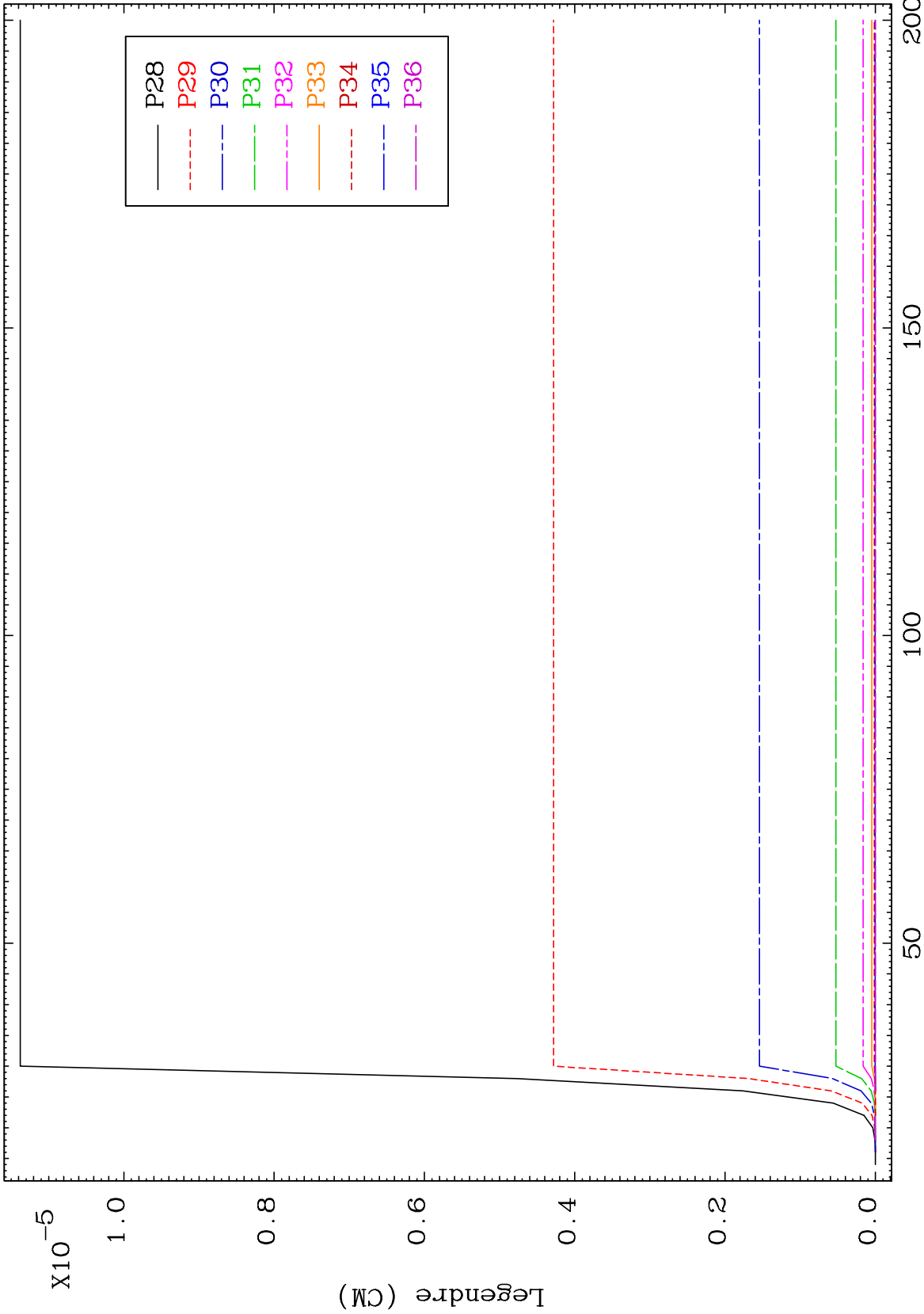
70-Yb-169



MAT 7028

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

70-Yb-169



62

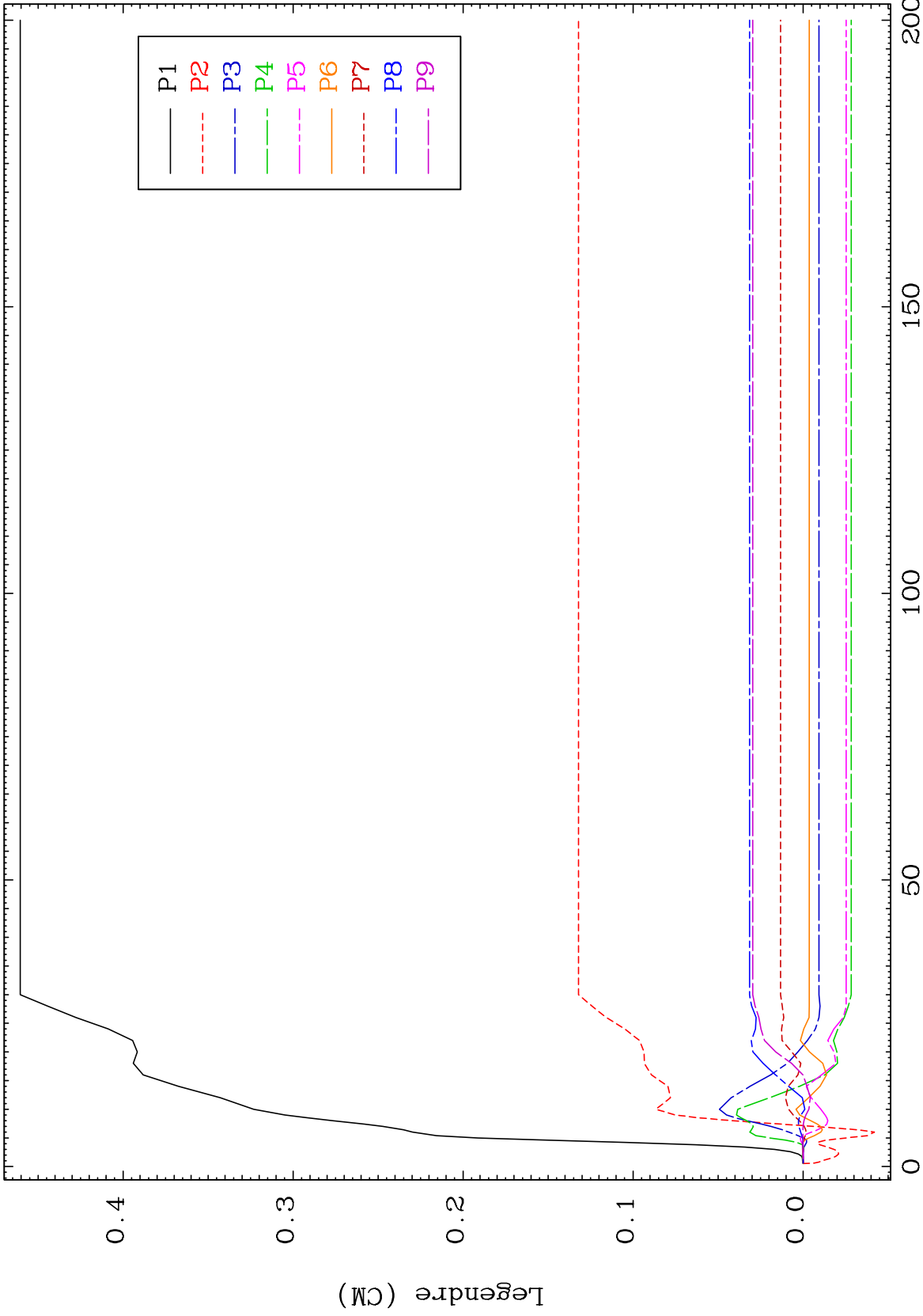
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



63

Incident Energy (MeV)

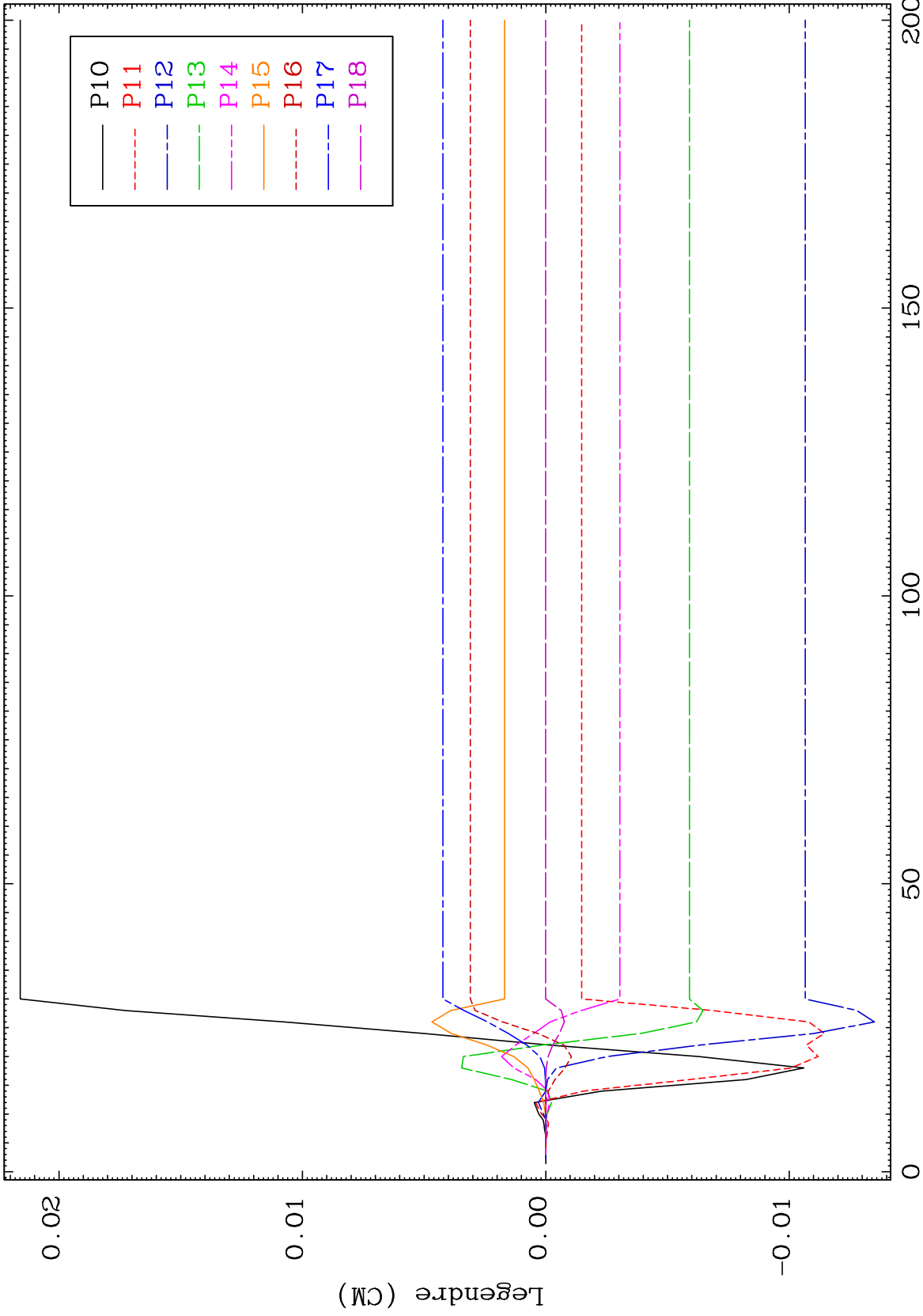
70-Yb-169



MAT 7028

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

70-Yb-169



64

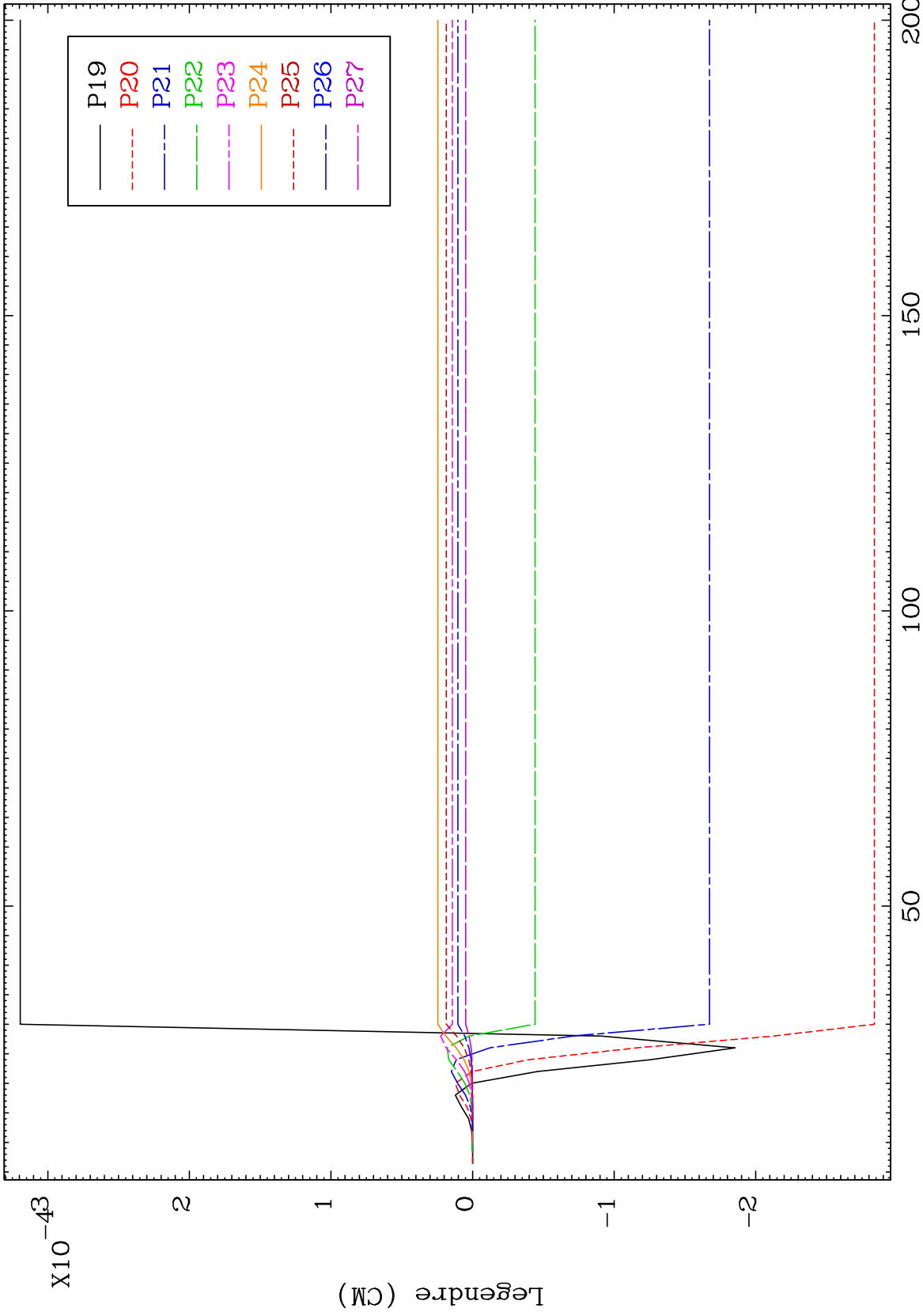
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



65

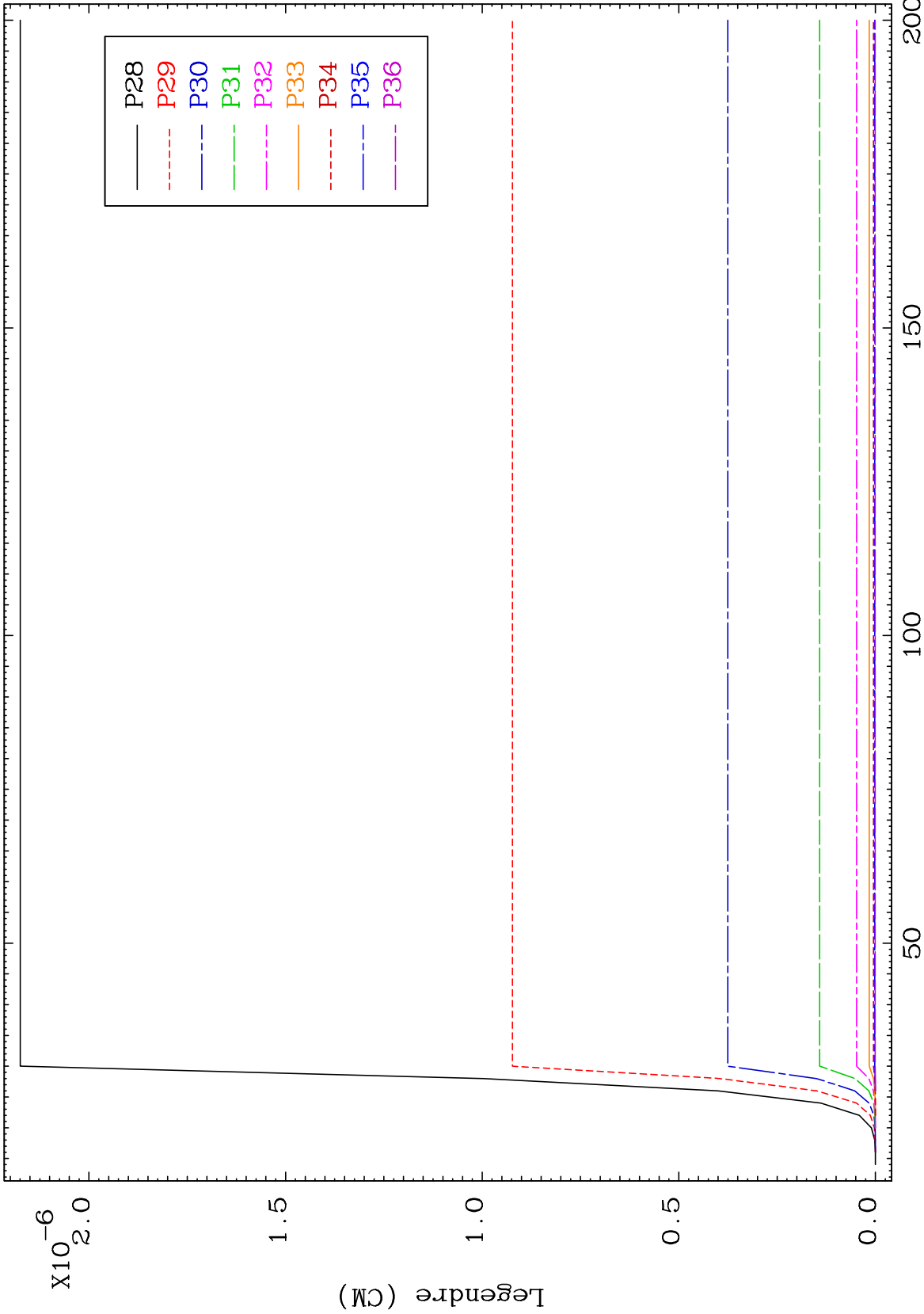
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



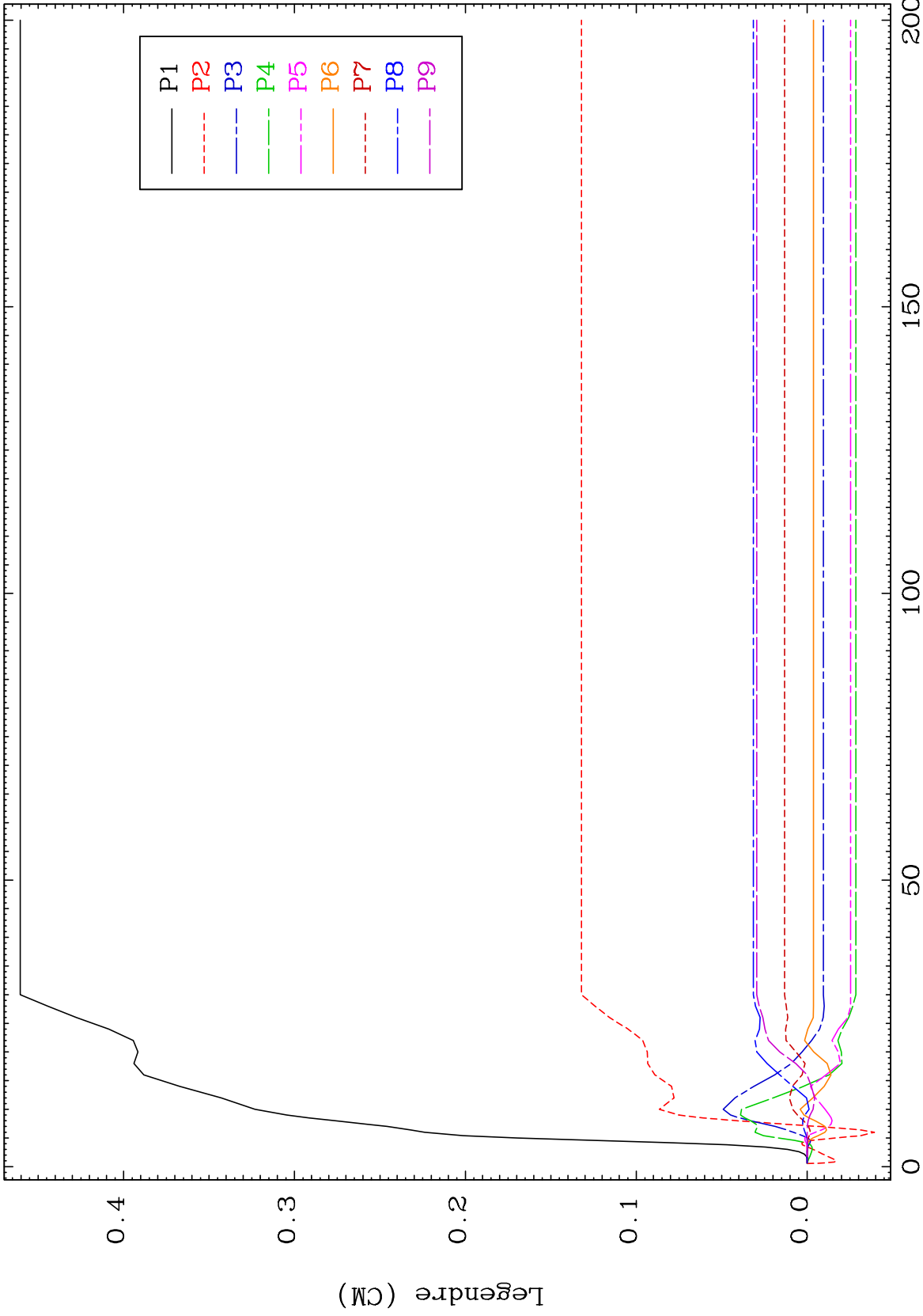
66

70-Yb-169

MAT 7028

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

70-Yb-169



67

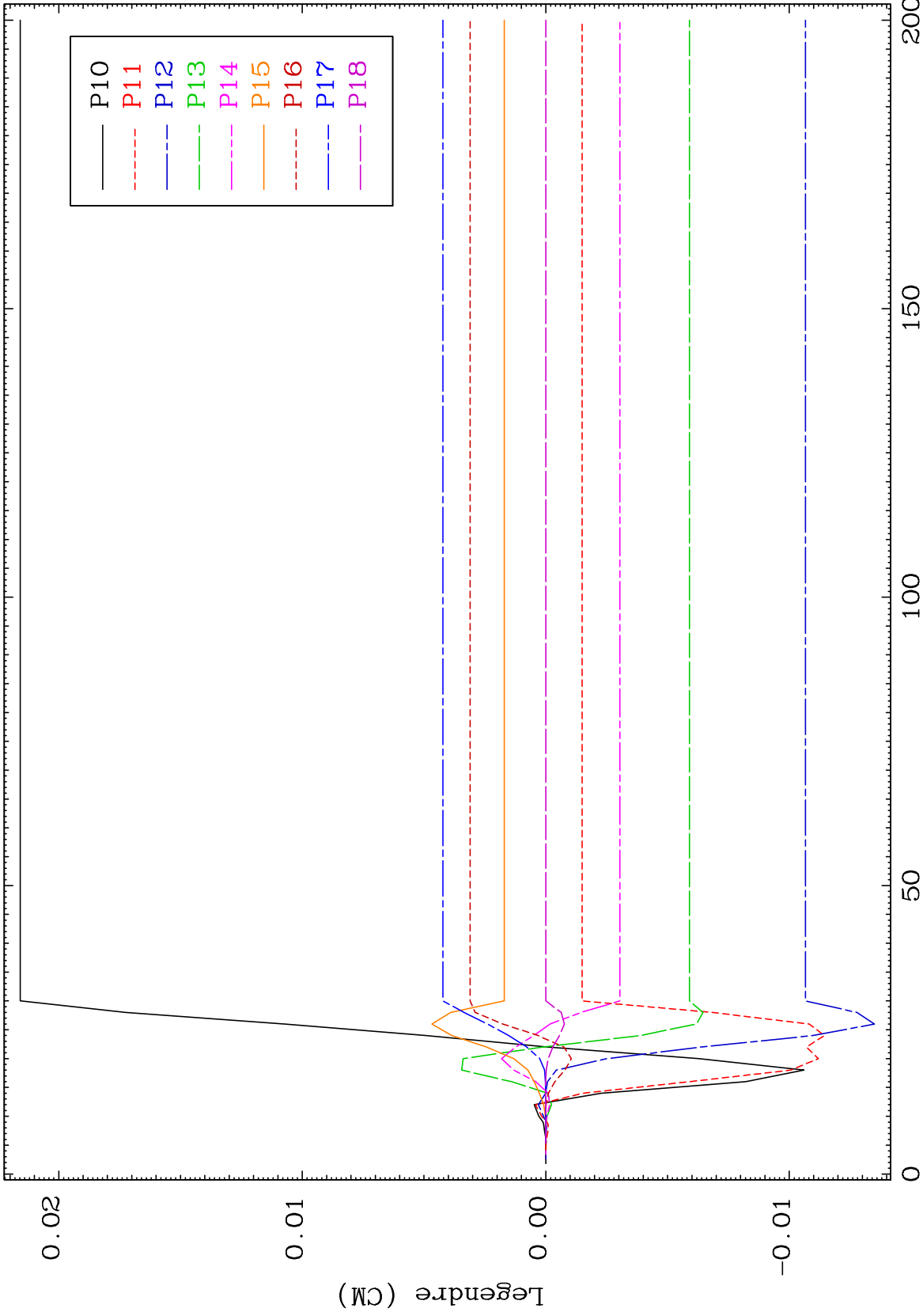
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



68

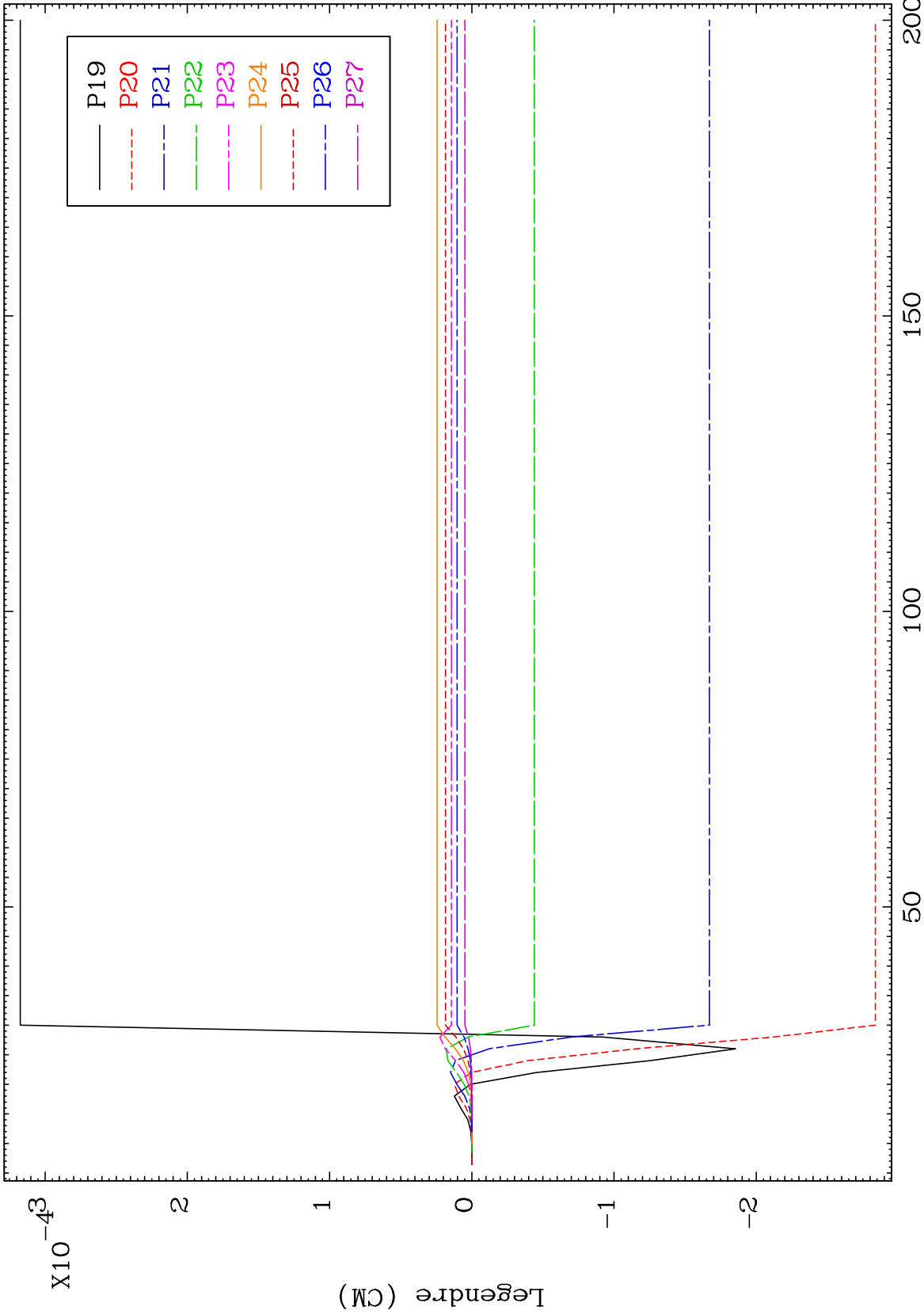
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

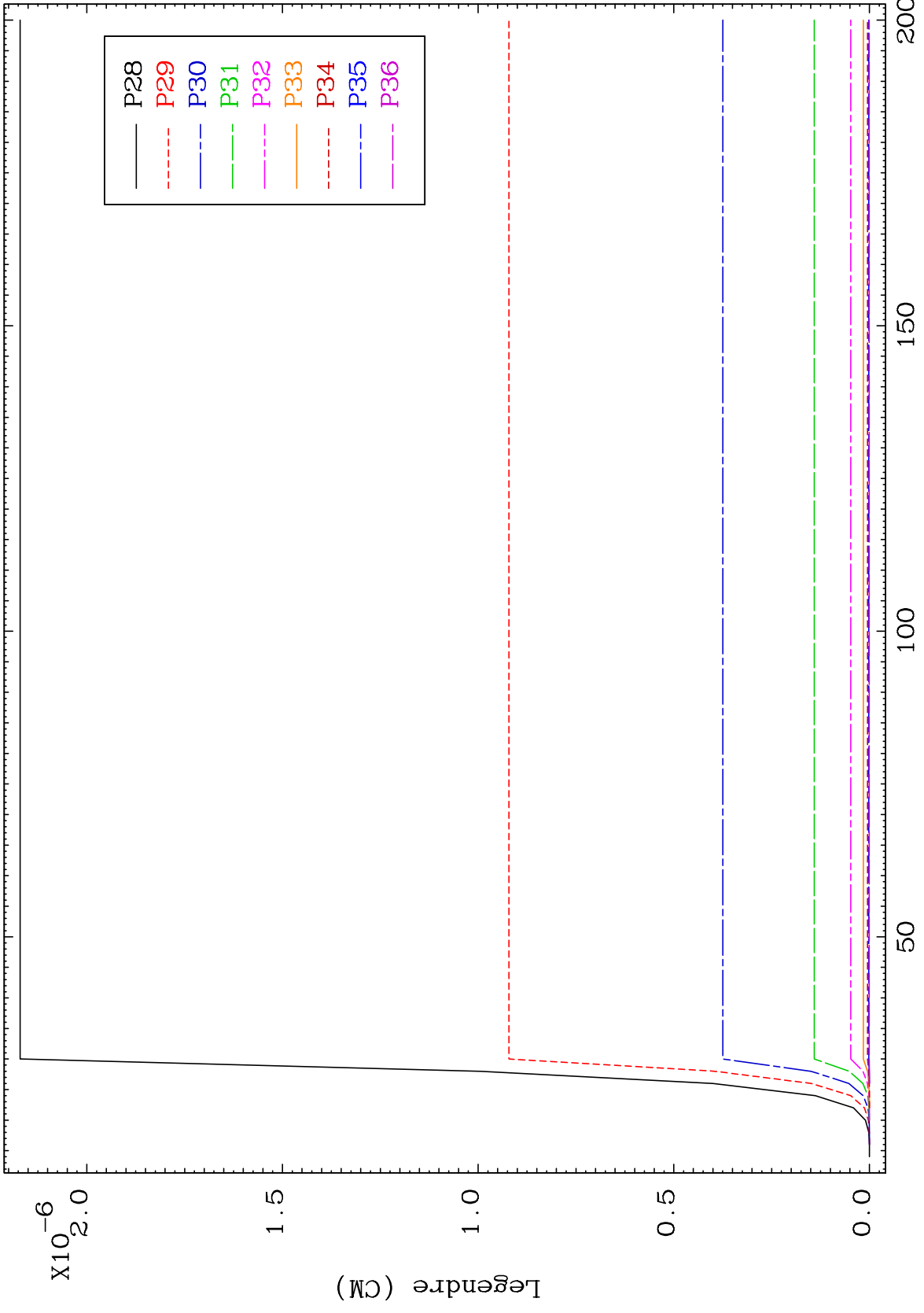


69

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-169

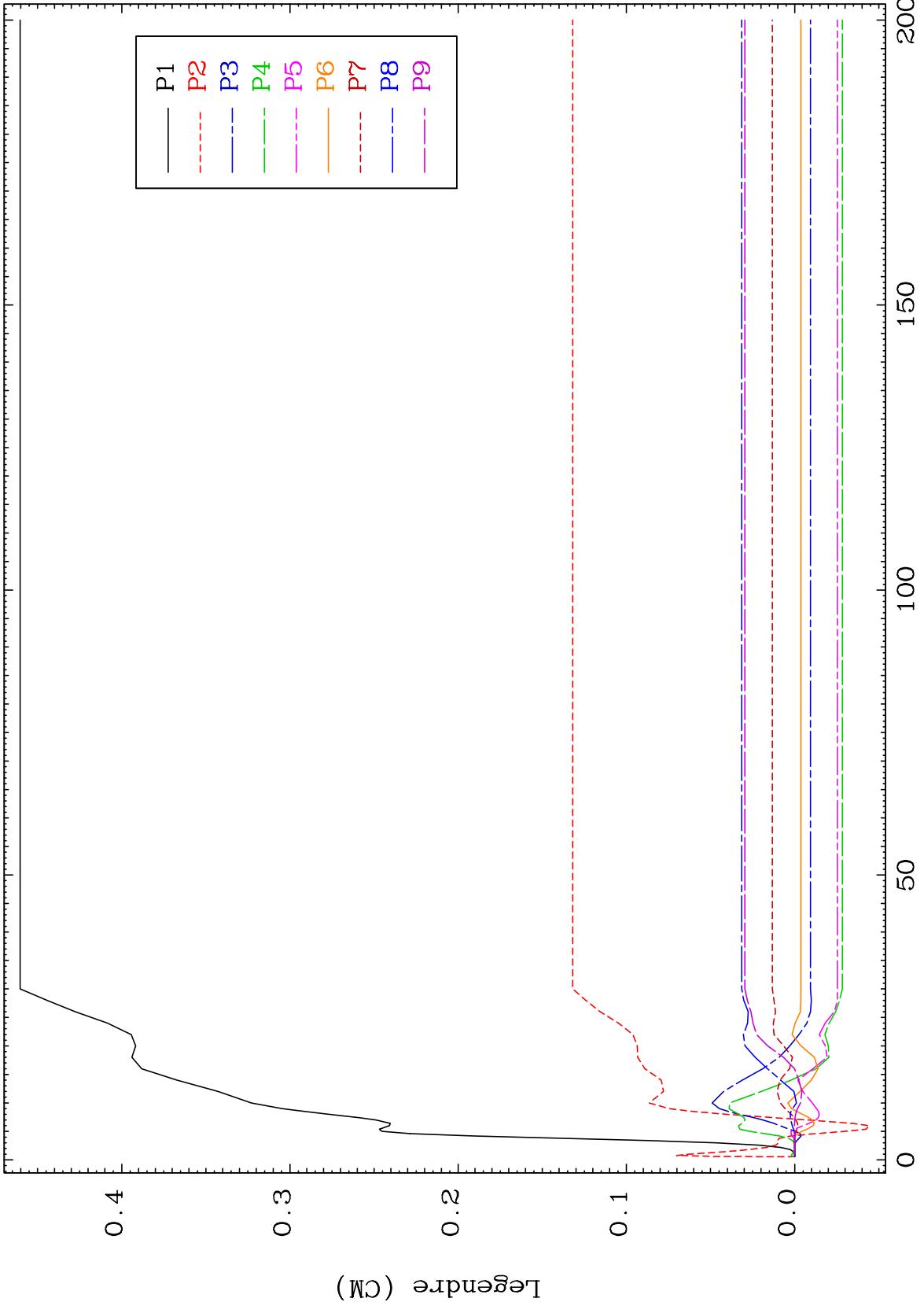


70 50 100 150 200 70-Yb-169

MAT 7028

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

70-Yb-169



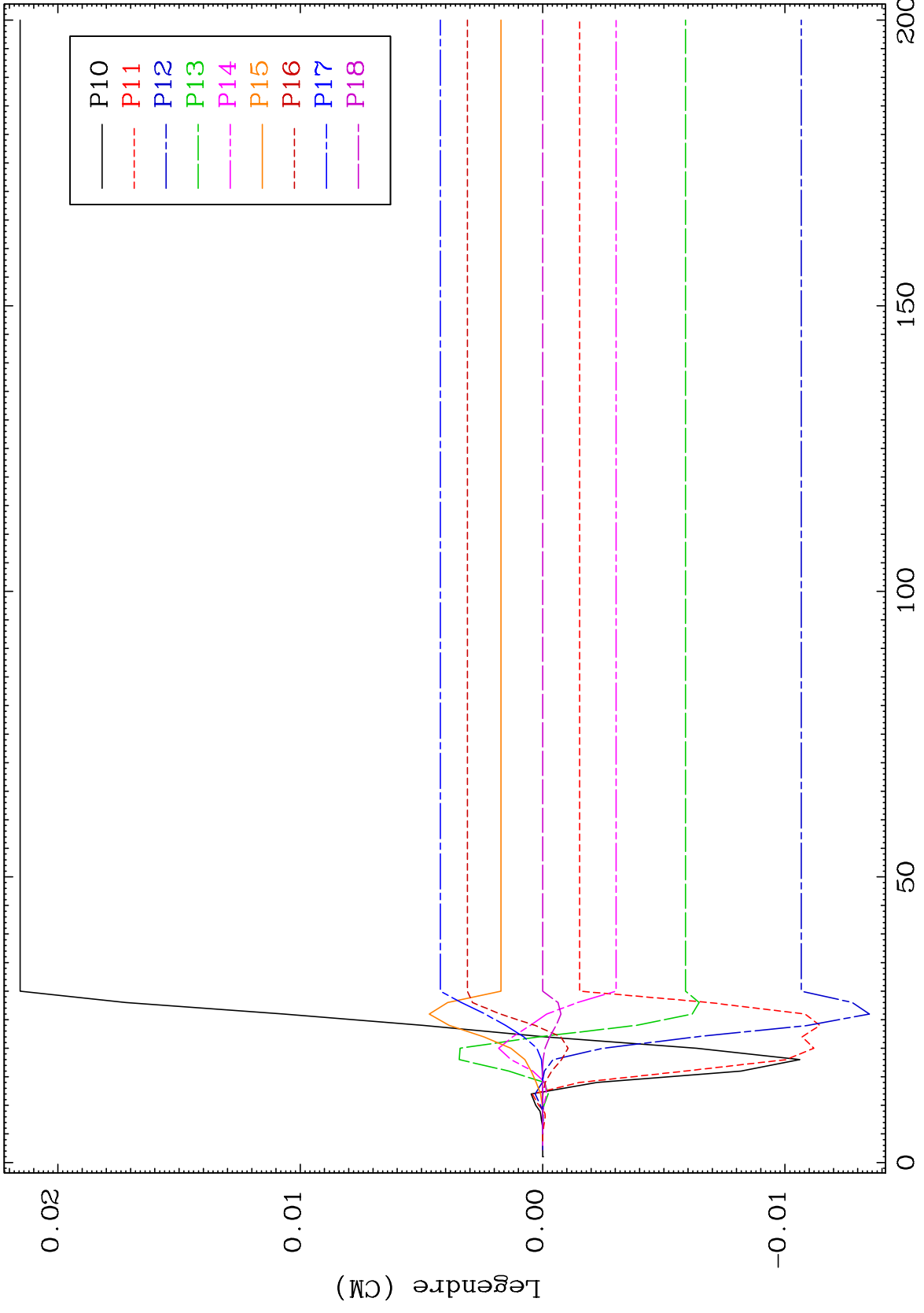
71

Incident Energy (MeV)

70-Yb-169



MAT 7028 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-169

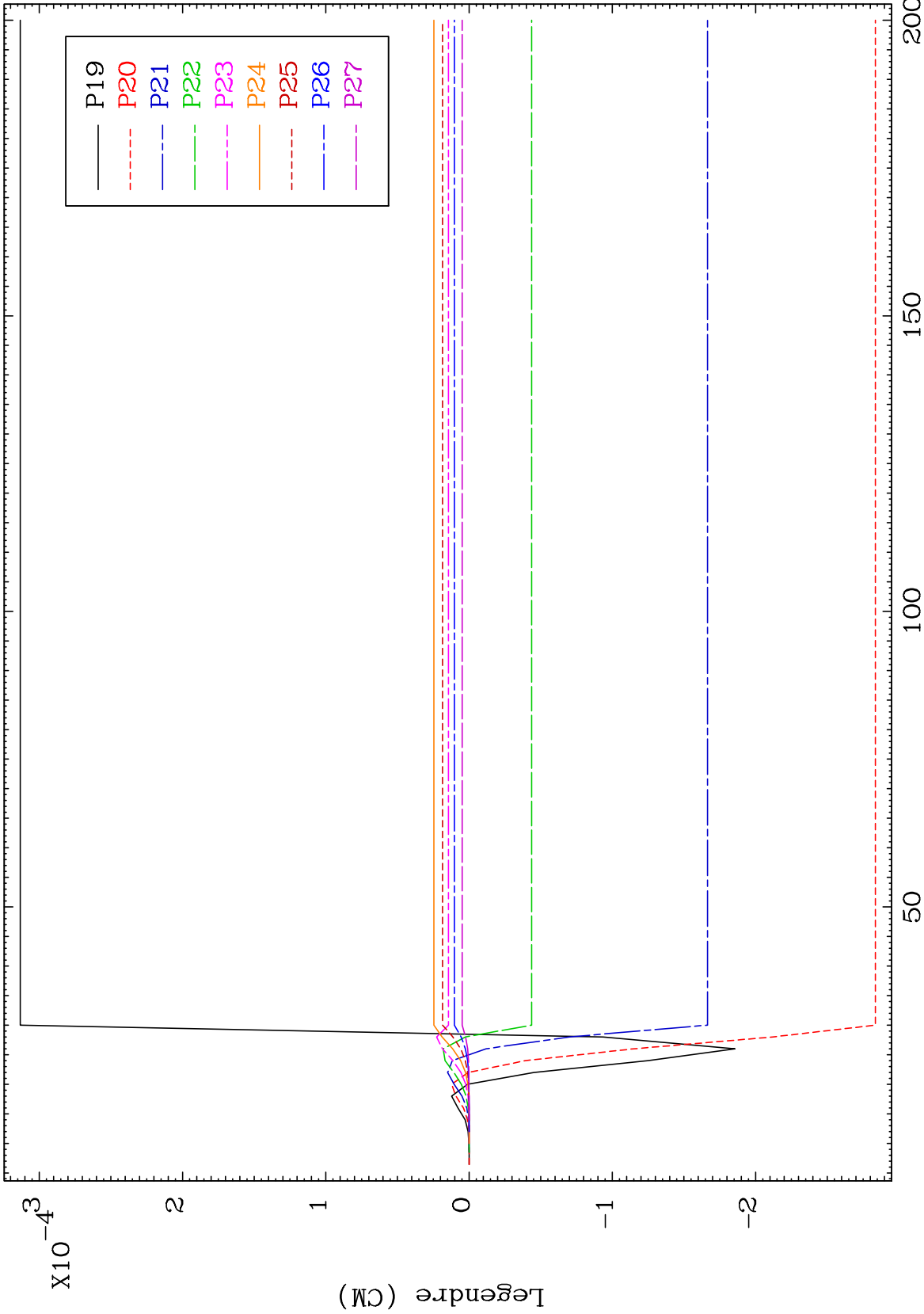


72 70-Yb-169

MAT 7028

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

70-Yb-169



73

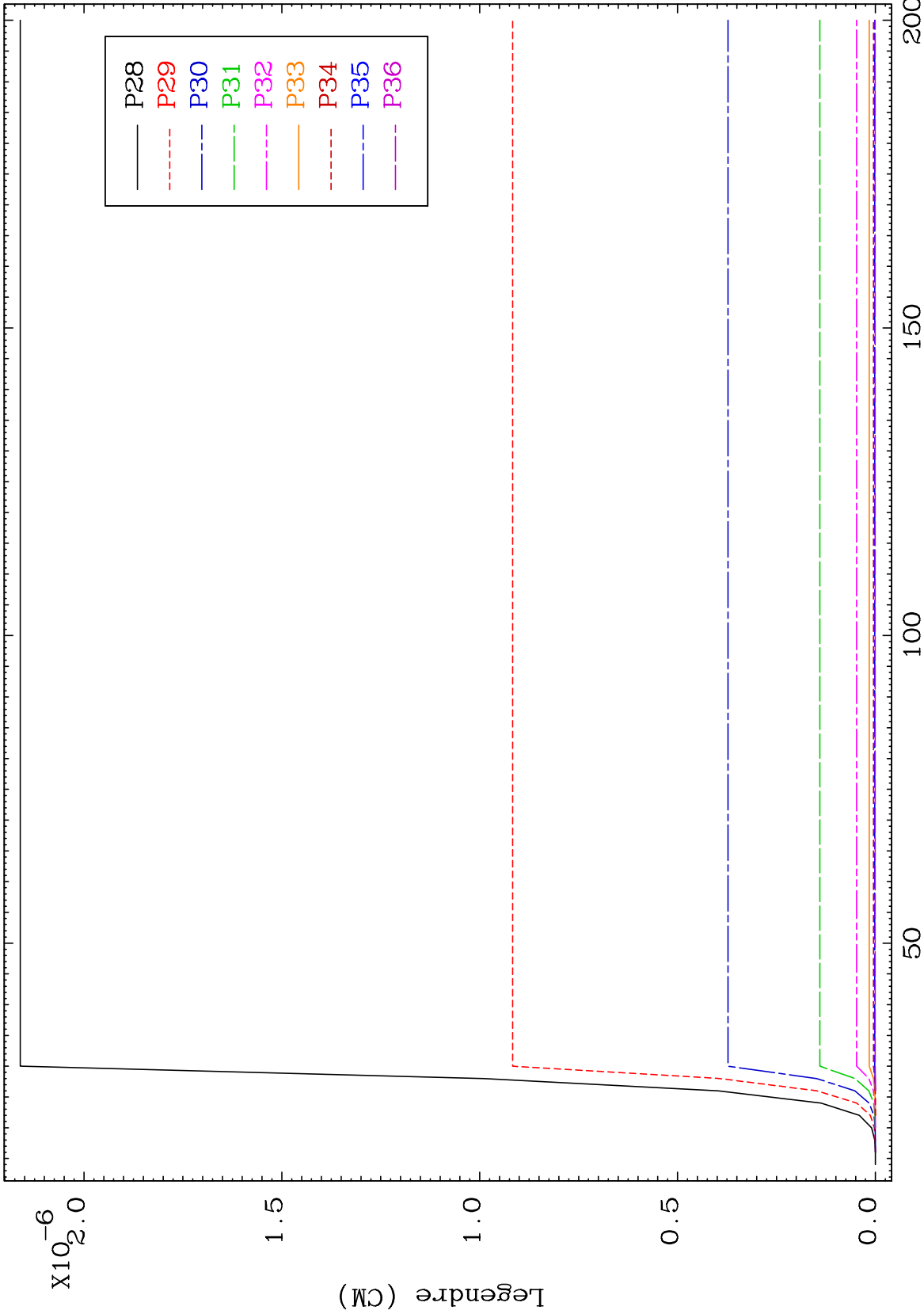
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



74

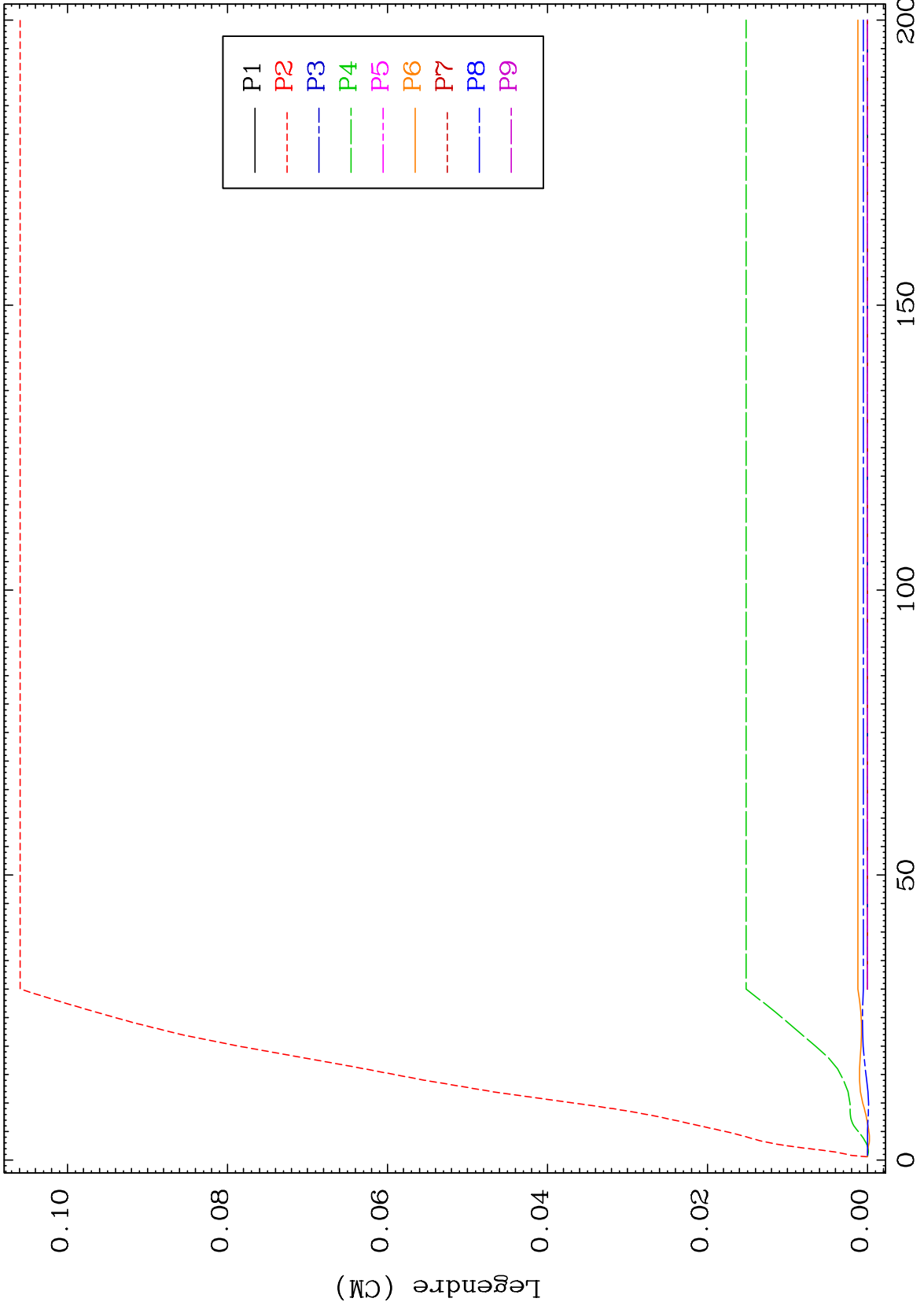
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



75

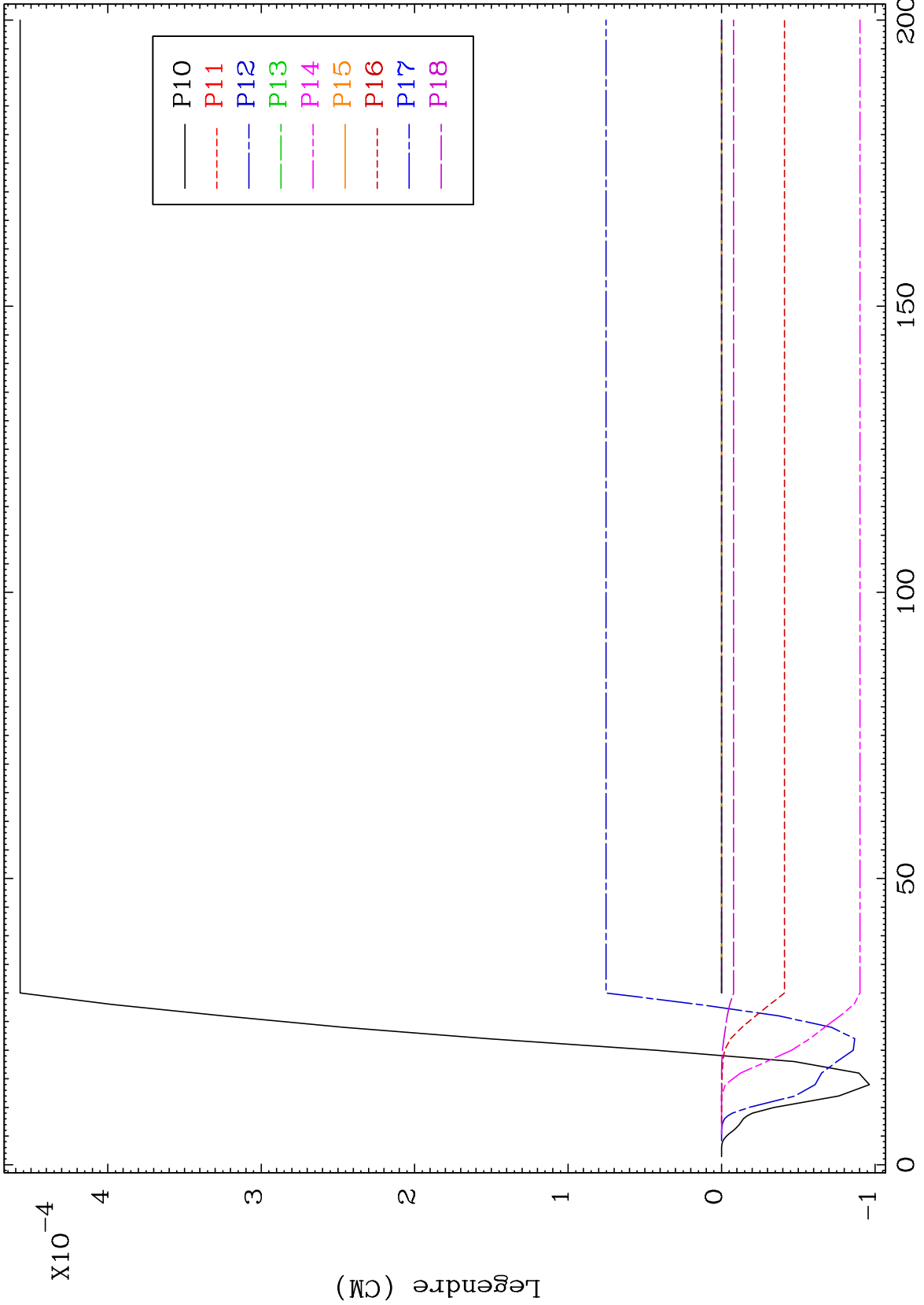
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



76

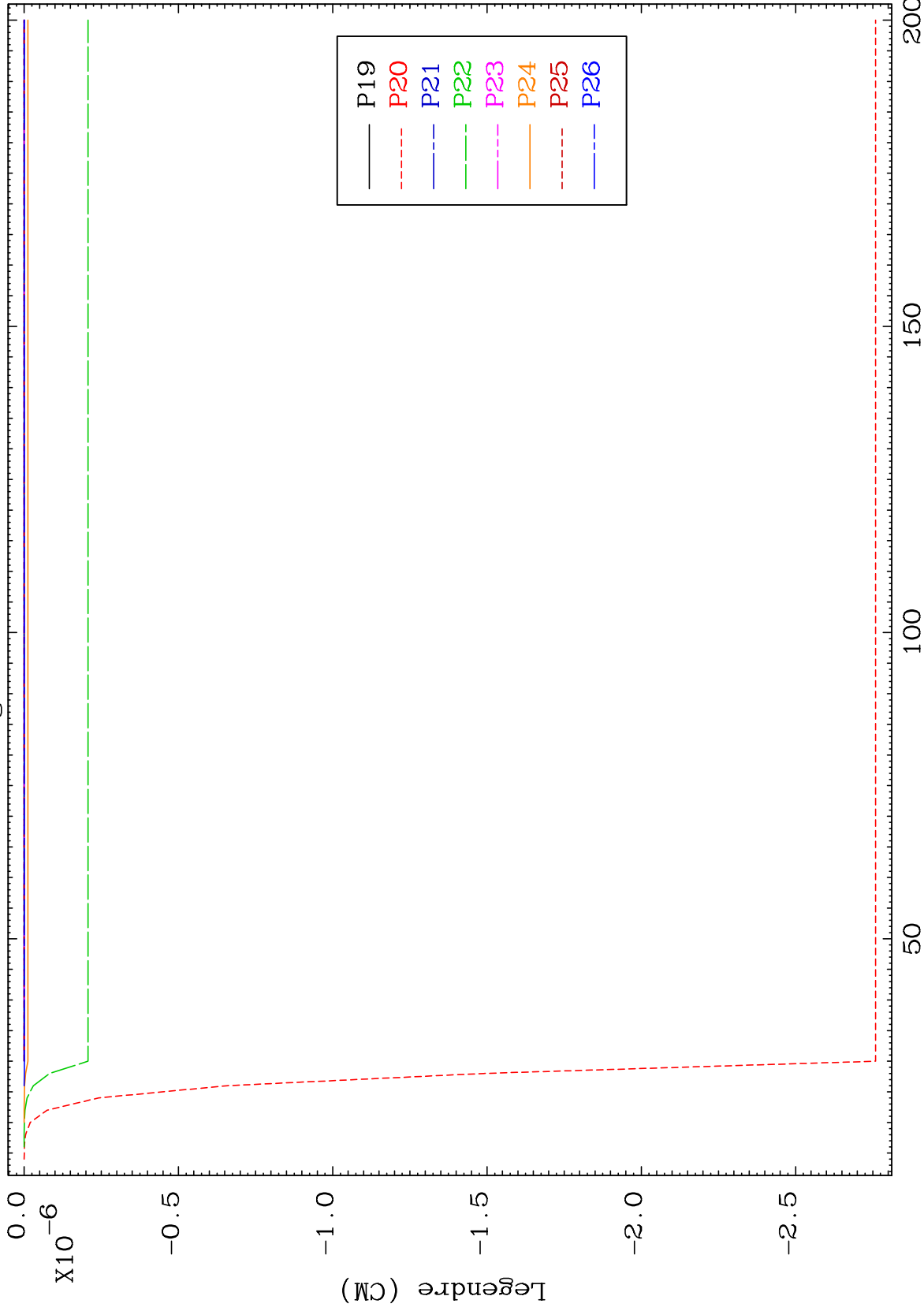
Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 67 (n,n') Level

Legendre Coefficients

70-Yb-169



70-Yb-169

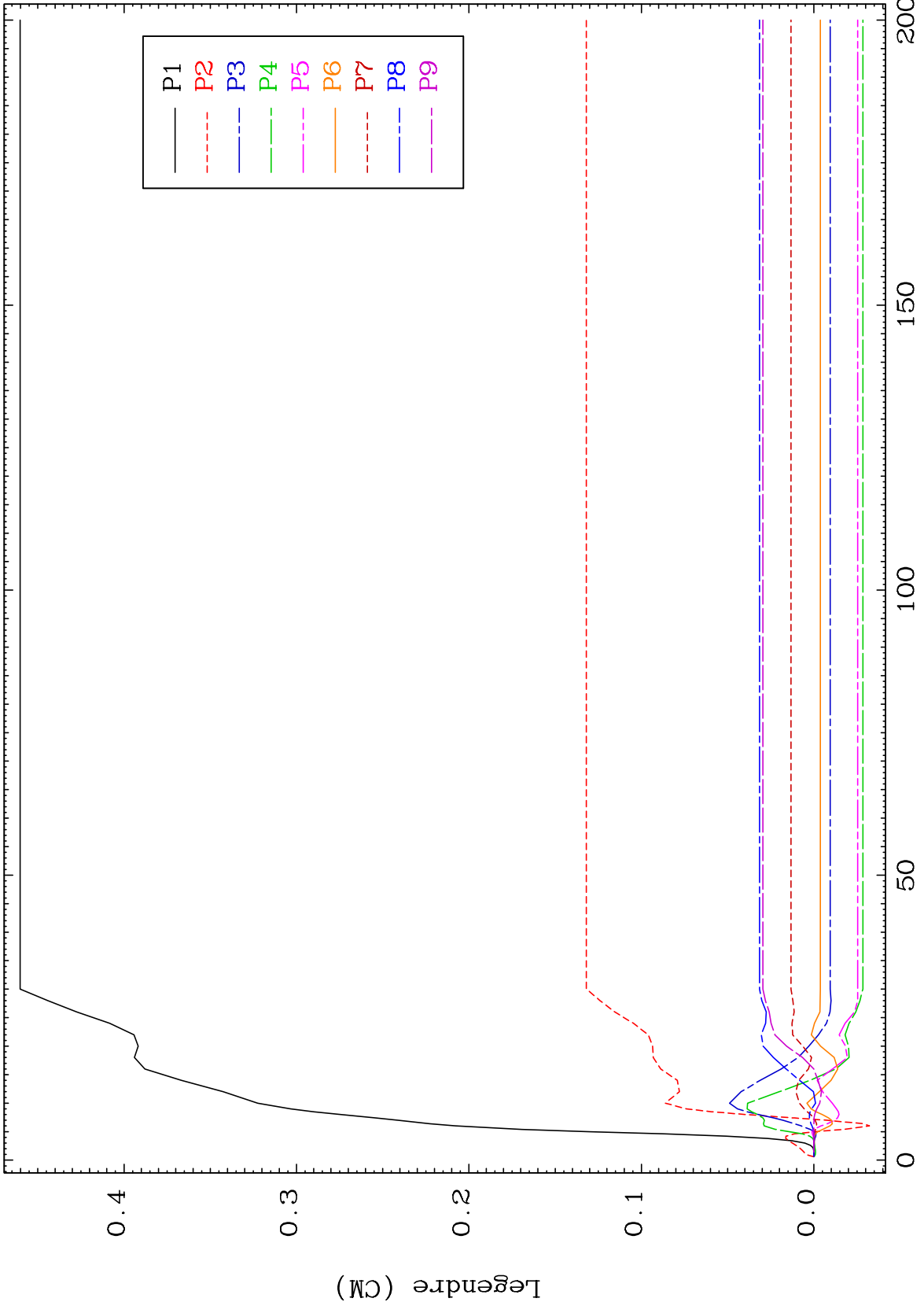
Incident Energy (MeV)

77

MAT 7028

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

70-Yb-169



78

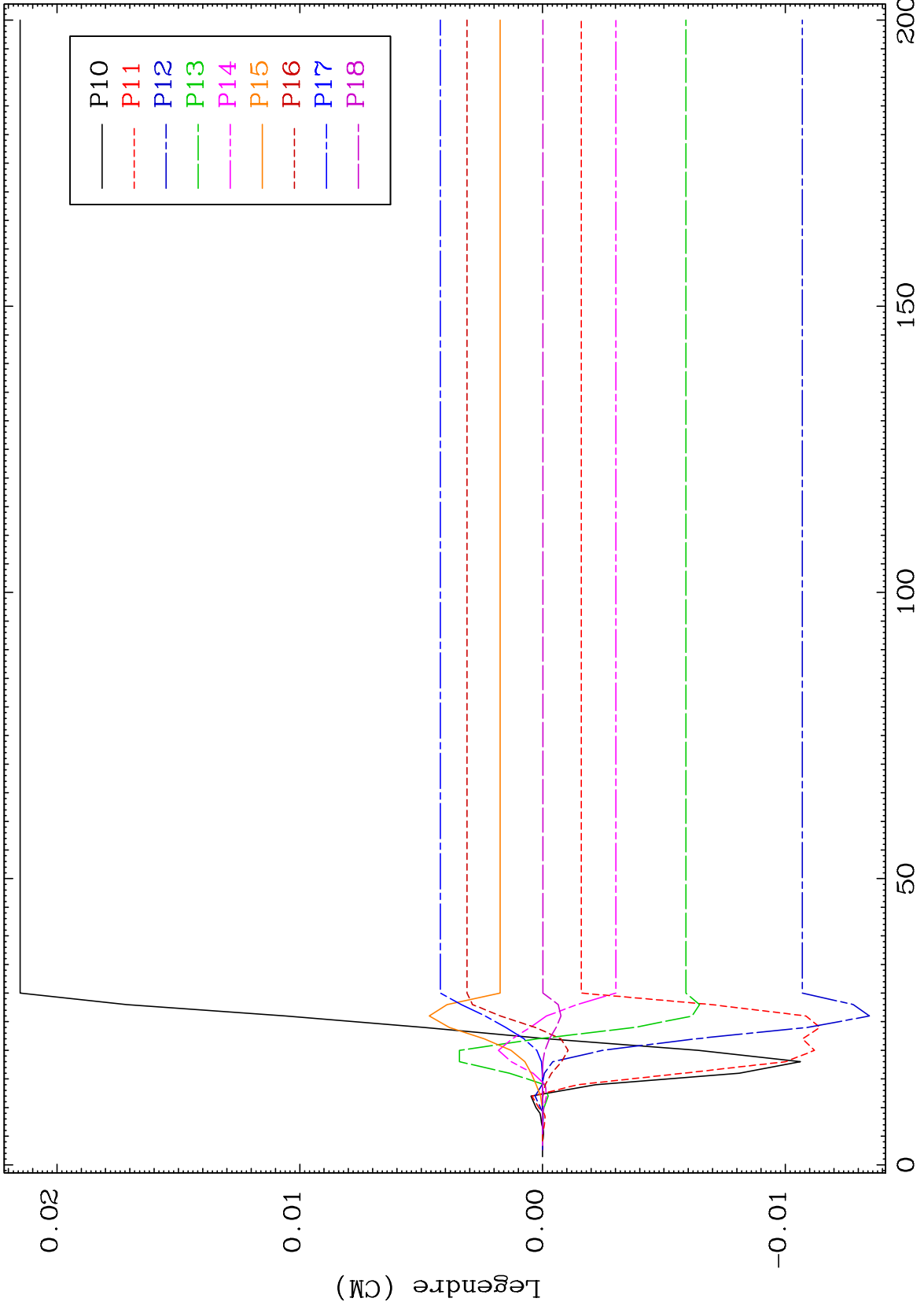
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



79

Incident Energy (MeV)

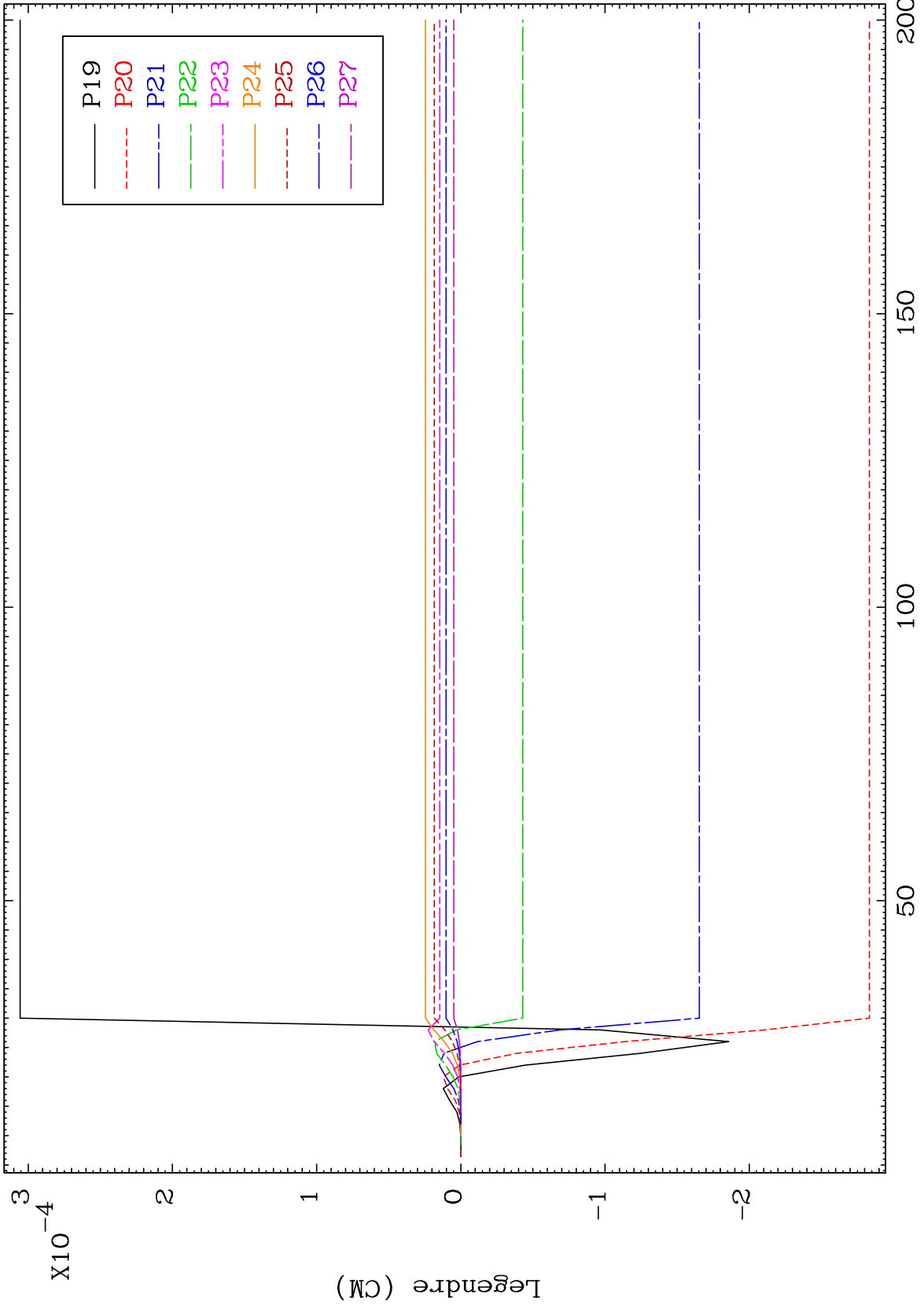
70-Yb-169



MAT 7028

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

70-Yb-169



80

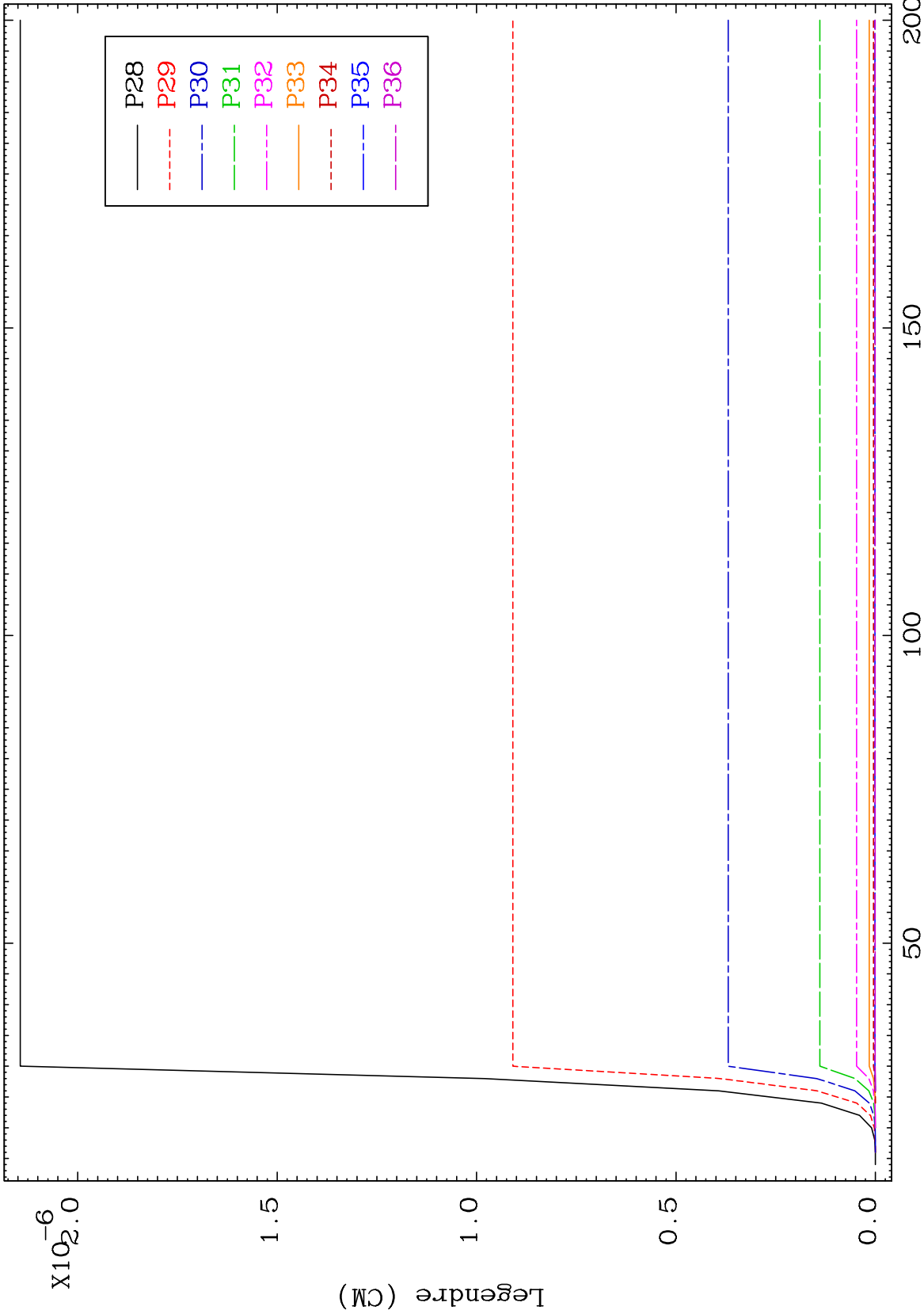
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



81

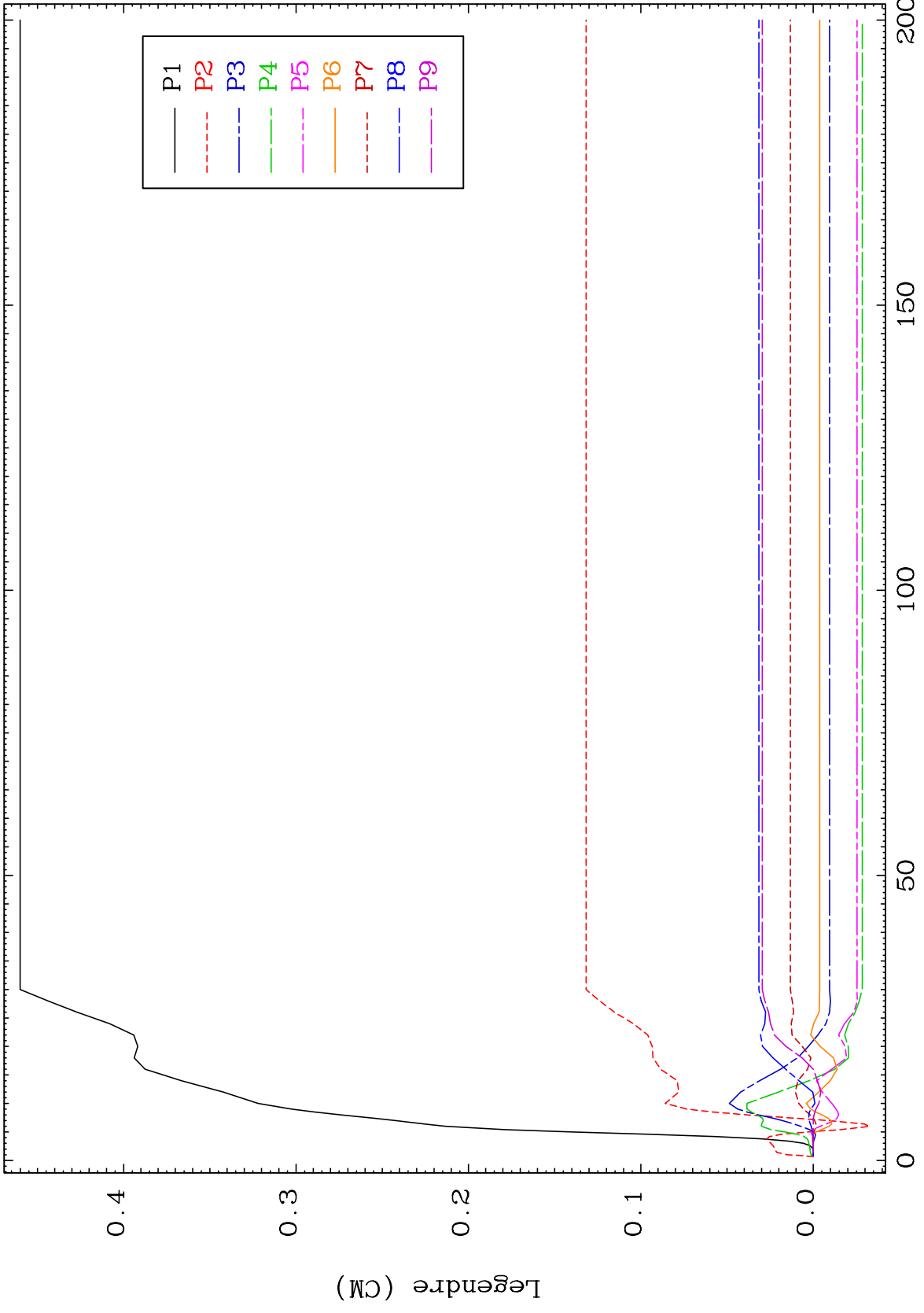
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 69 (n,n') Level  
Legendre Coefficients

70-Yb-169



82

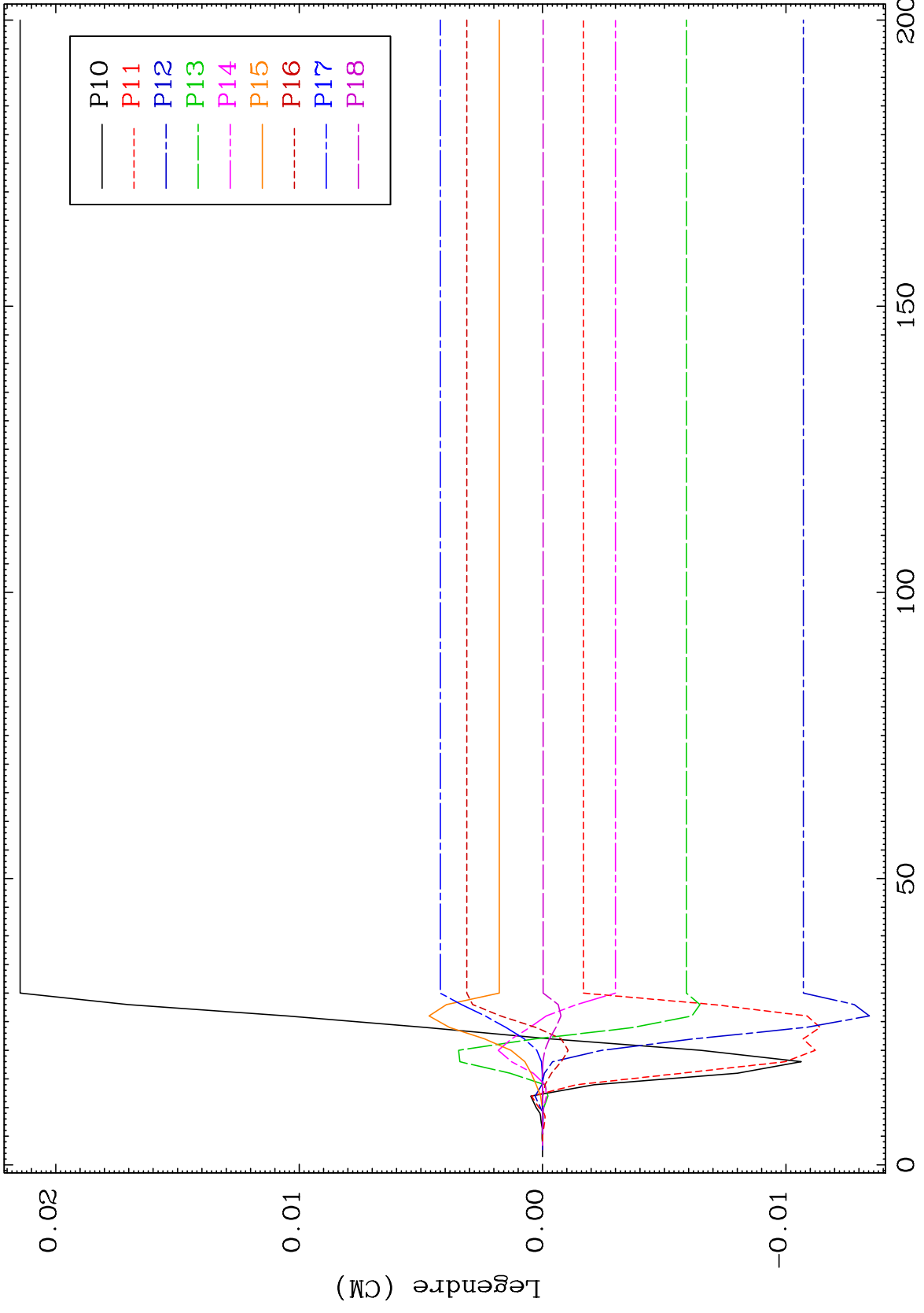
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 69 (n,n') Level  
Legendre Coefficients

70-Yb-169



83

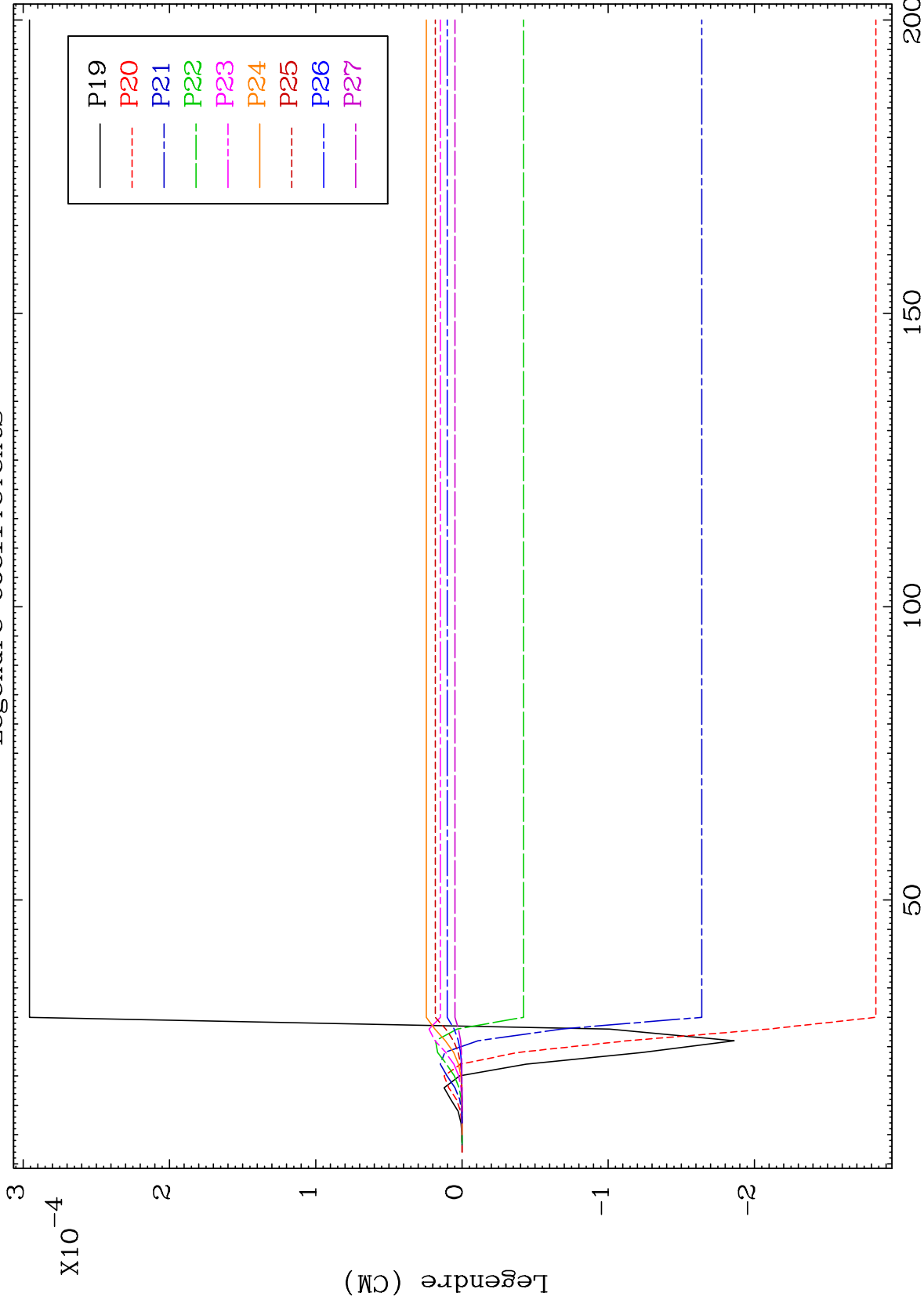
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 69 (n,n') Level  
Legendre Coefficients

70-Yb-169



84

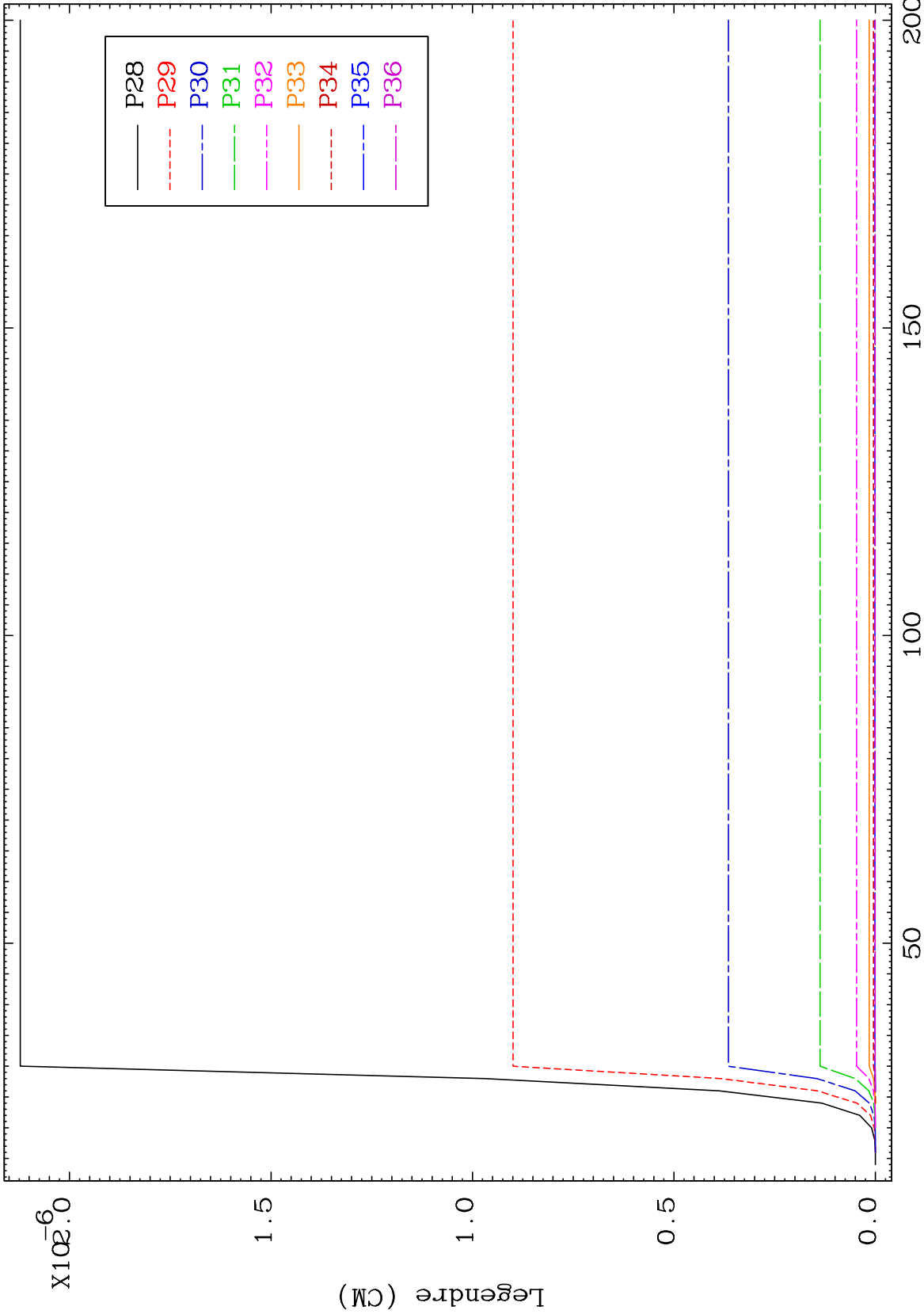
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 69 (n,n') Level  
Legendre Coefficients

70-Yb-169

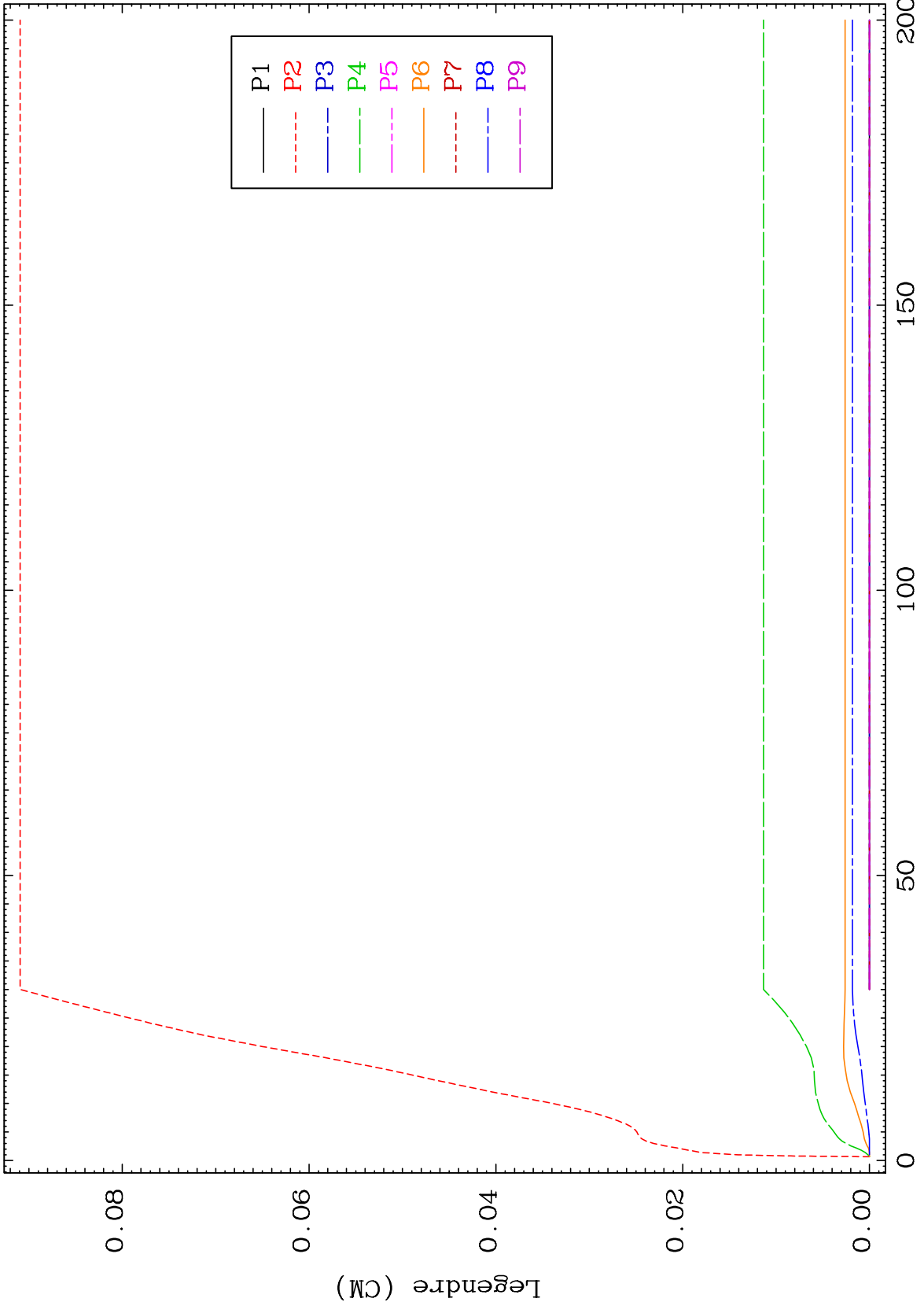


85

Incident Energy (MeV)

70-Yb-169

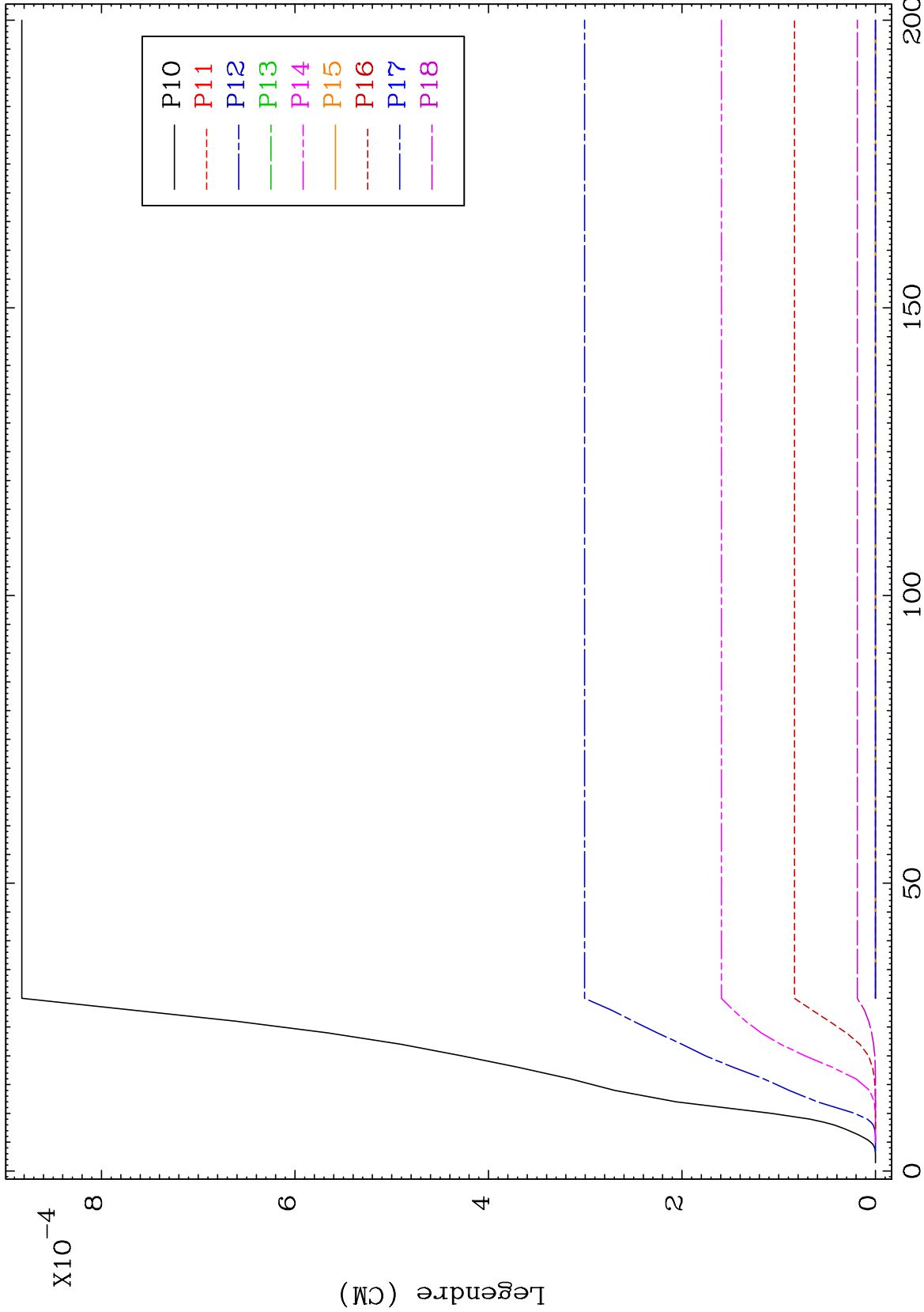
MAT 7028 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-169



MAT 7028

MT= 70 (n,n') Level  
Legendre Coefficients

70-Yb-169



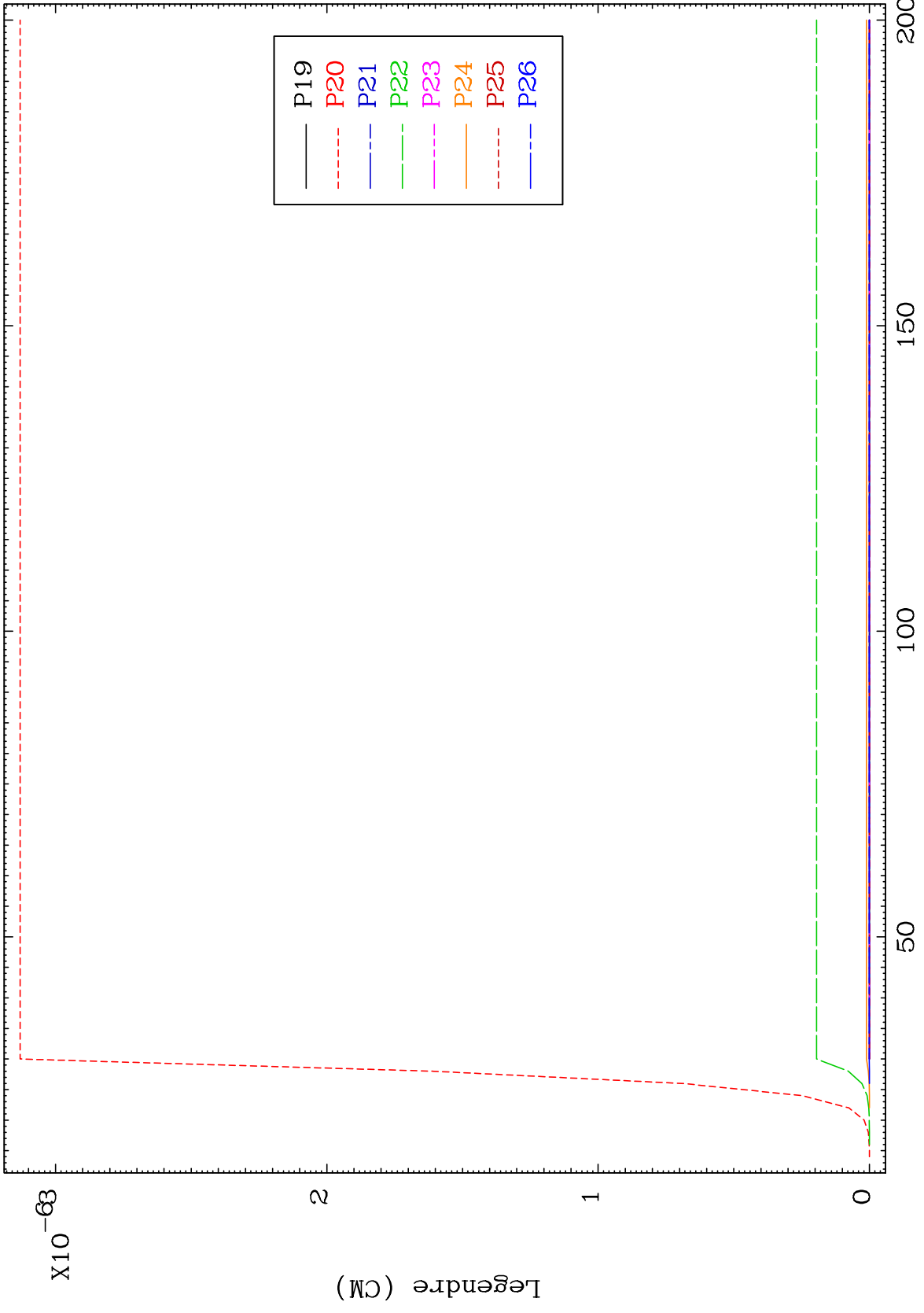
87

Incident Energy (MeV)

70-Yb-169

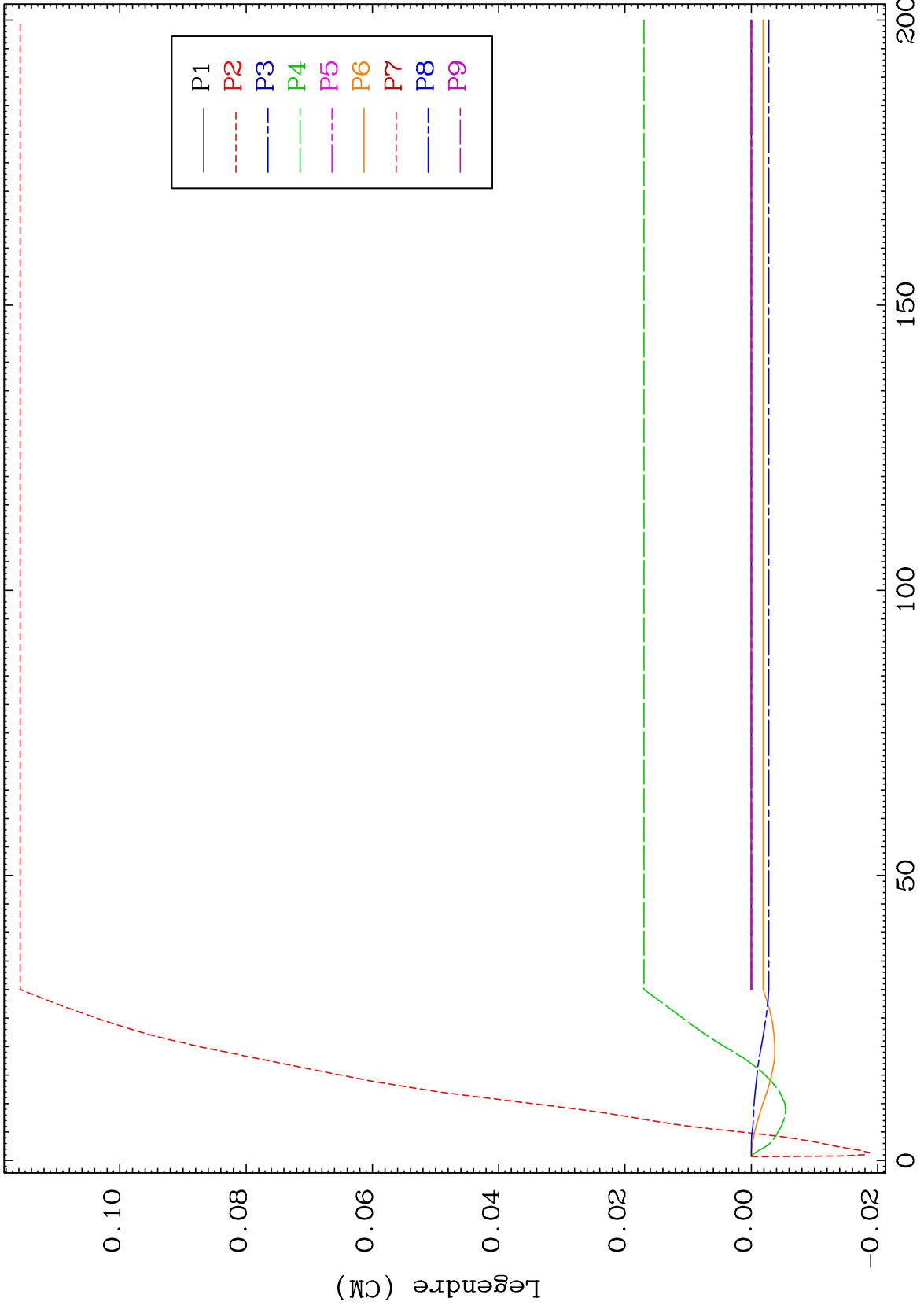


MAT 7028 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-169



88 70-Yb-169

MAT 7028 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-169

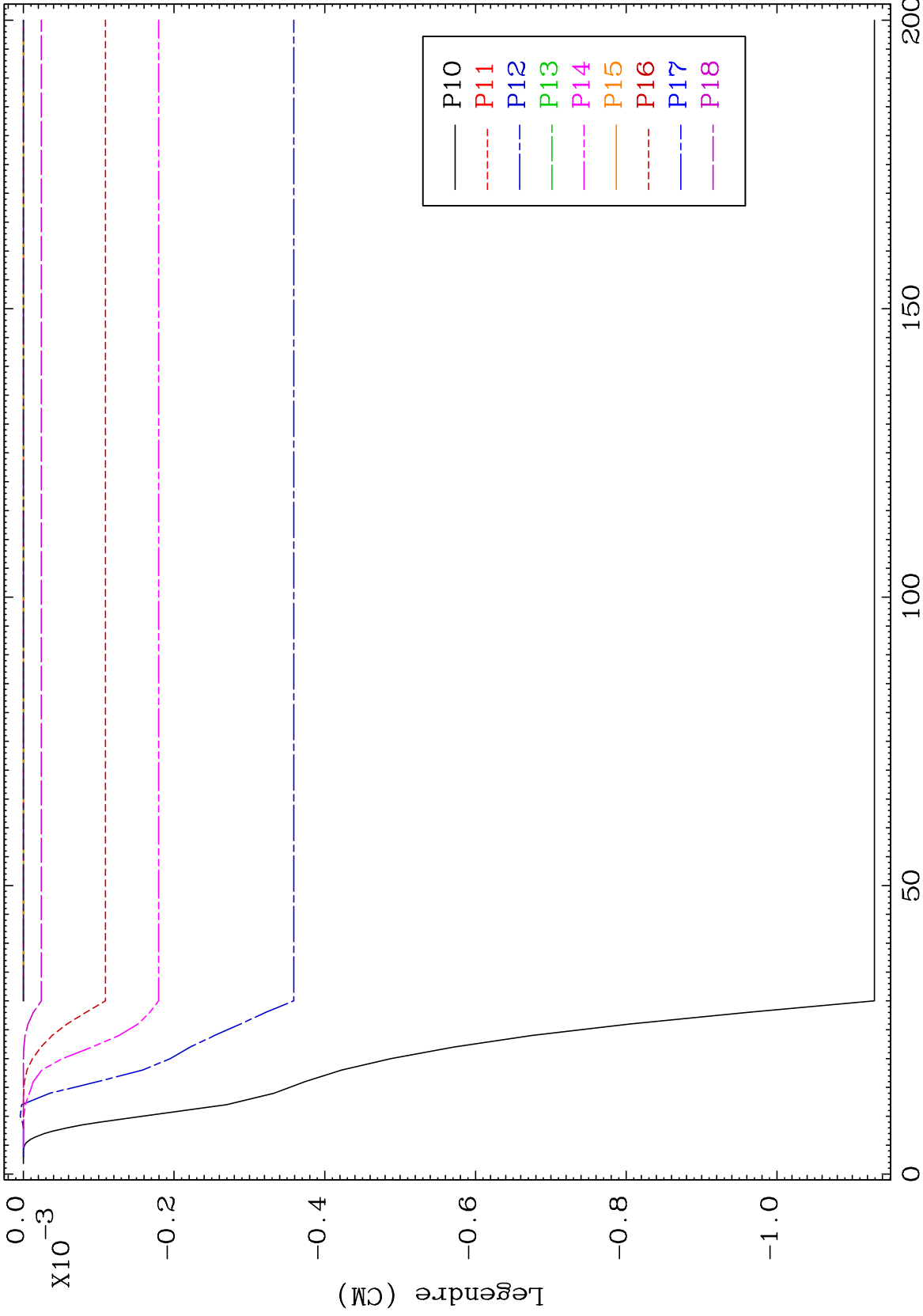


89 Incident Energy (MeV) 70-Yb-169

MAT 7028

MT= 71 (n,n') Level  
Legendre Coefficients

70-Yb-169



70-Yb-169

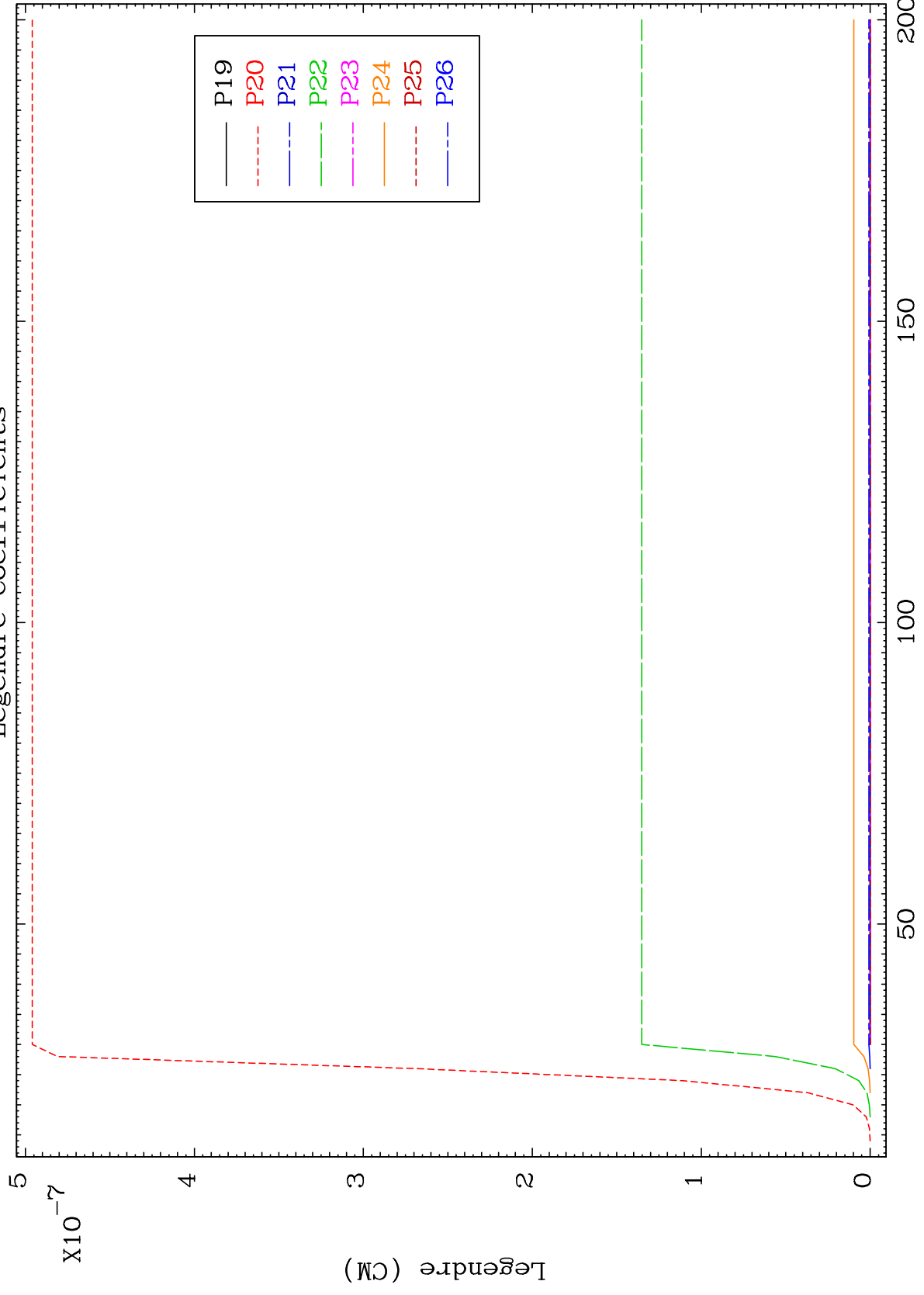
Incident Energy (MeV)

90

MAT 7028

MT= 71 (n,n') Level  
Legendre Coefficients

70-Yb-169



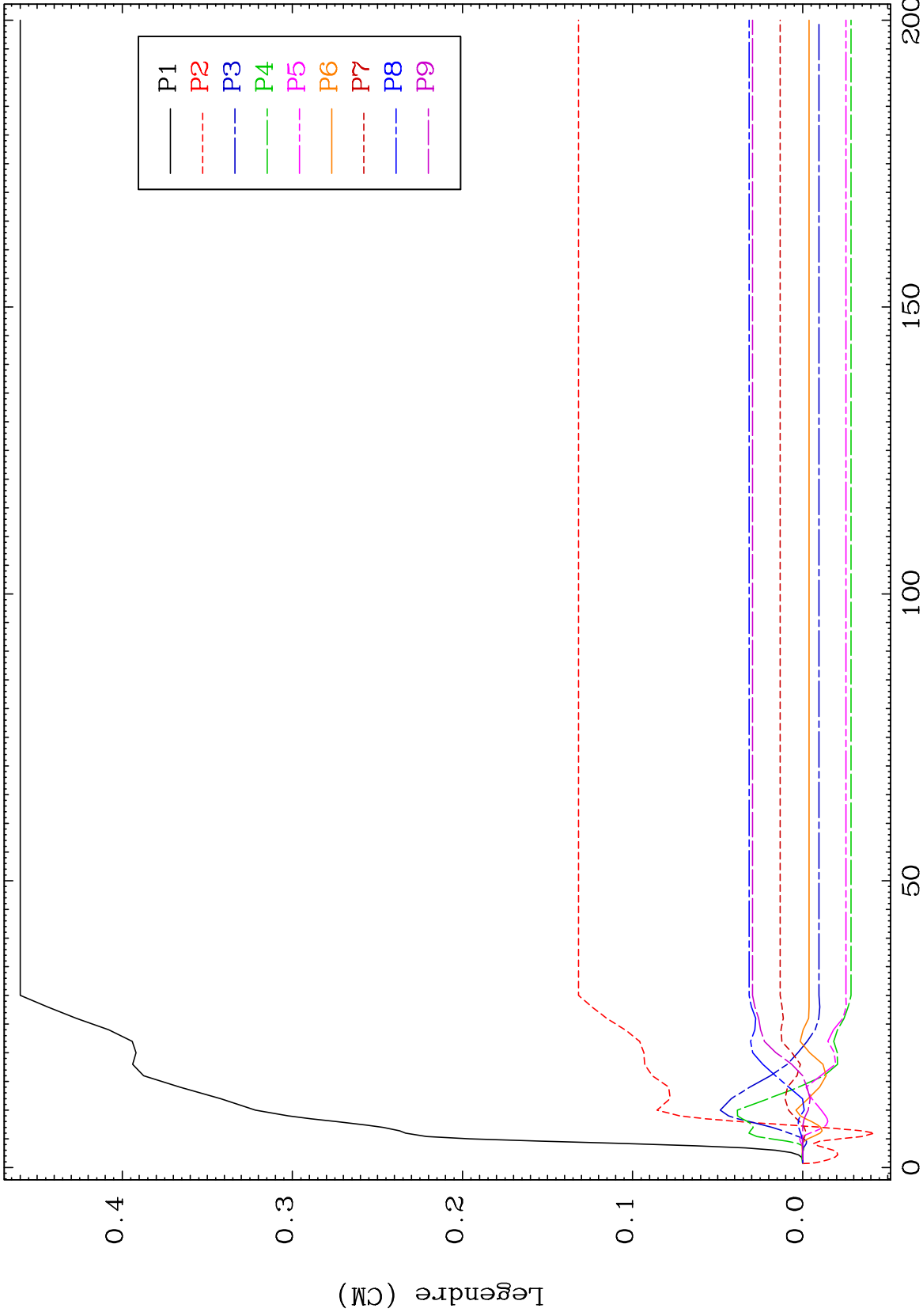
91

70-Yb-169

MAT 7028

MT= 72 (n,n') Level  
Legendre Coefficients

70-Yb-169



92

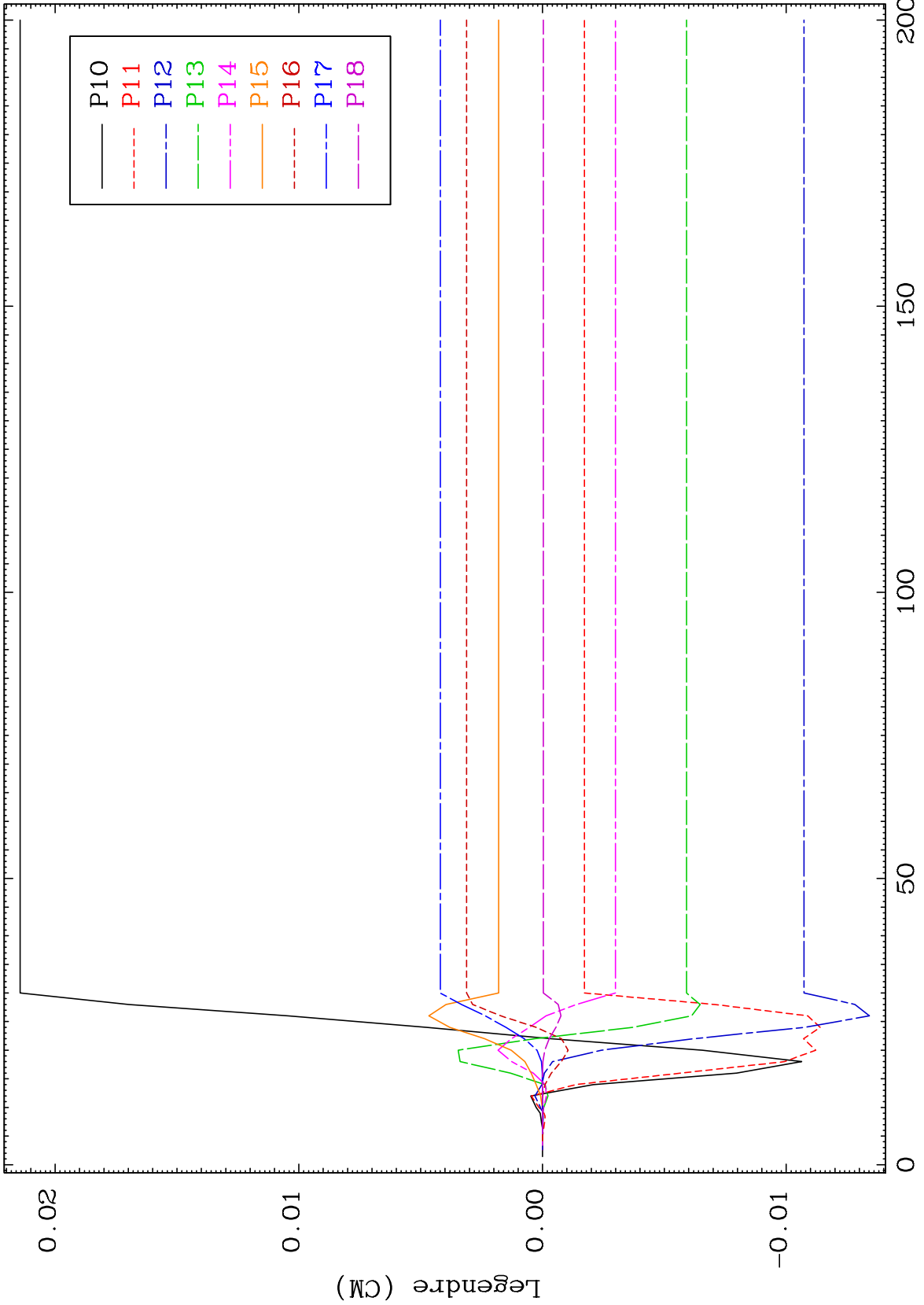
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 72 (n,n') Level  
Legendre Coefficients

70-Yb-169



93

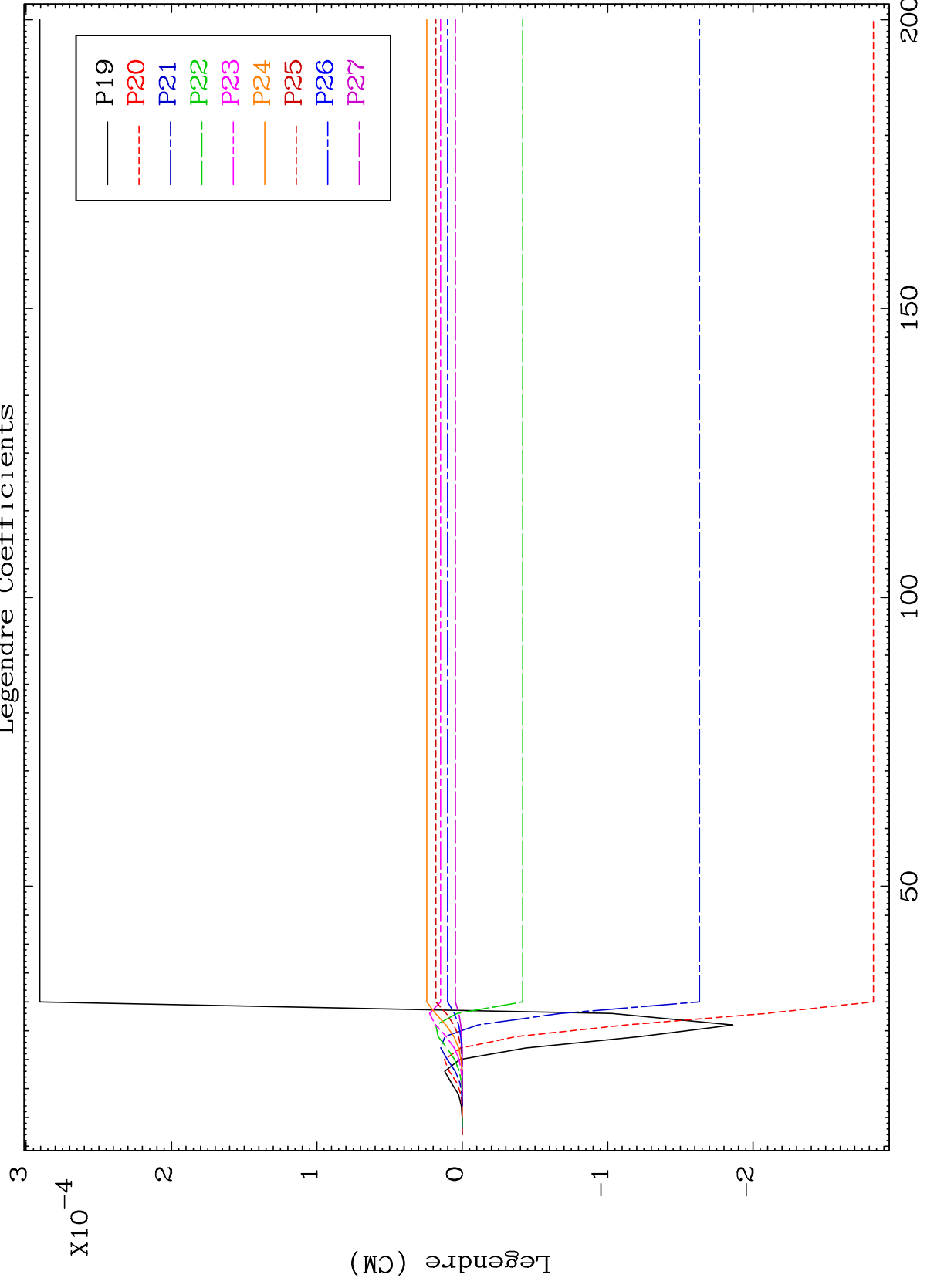
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 72 (n,n') Level  
Legendre Coefficients

70-Yb-169



94

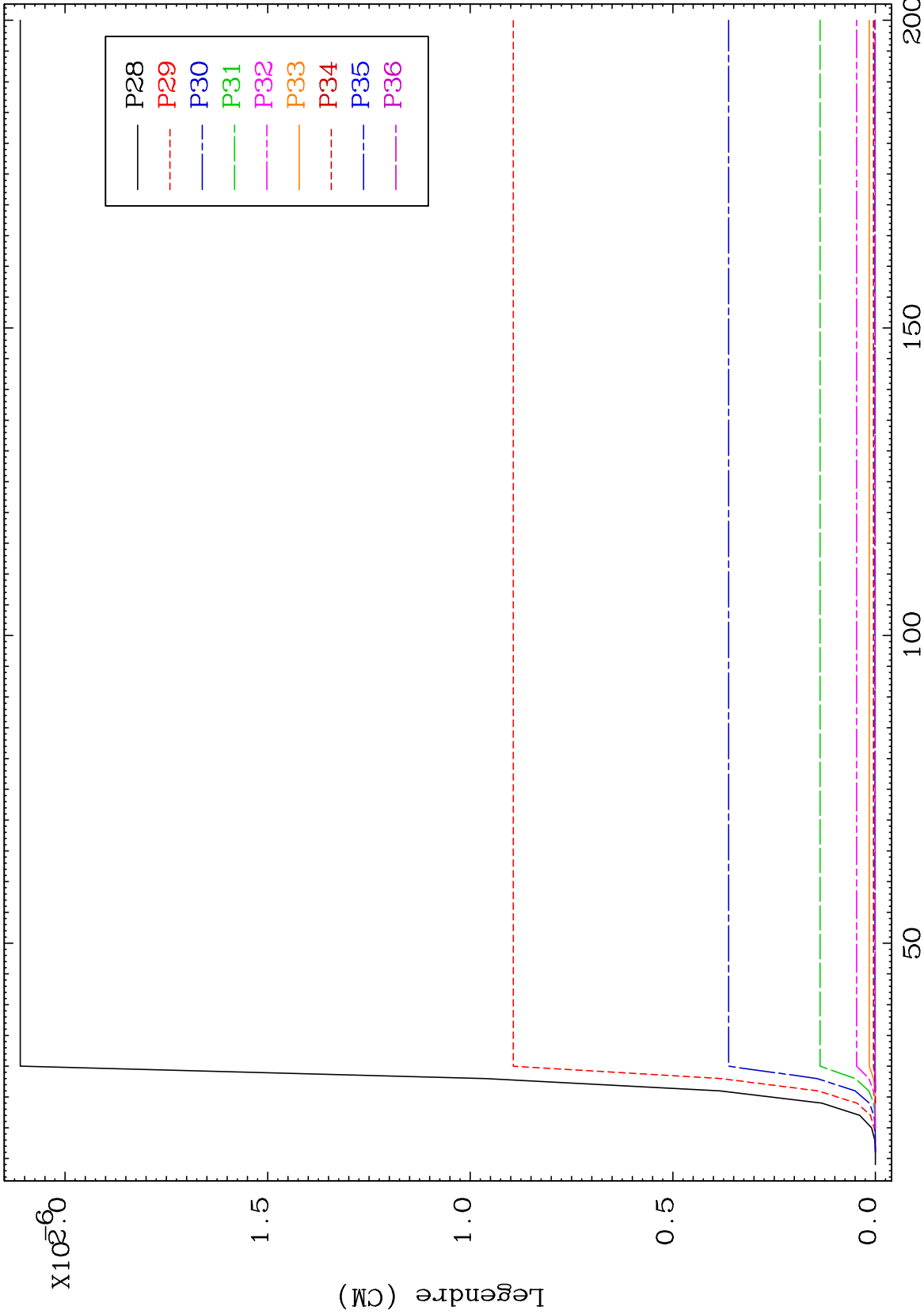
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 72 (n,n') Level  
Legendre Coefficients

70-Yb-169



95

Incident Energy (MeV)

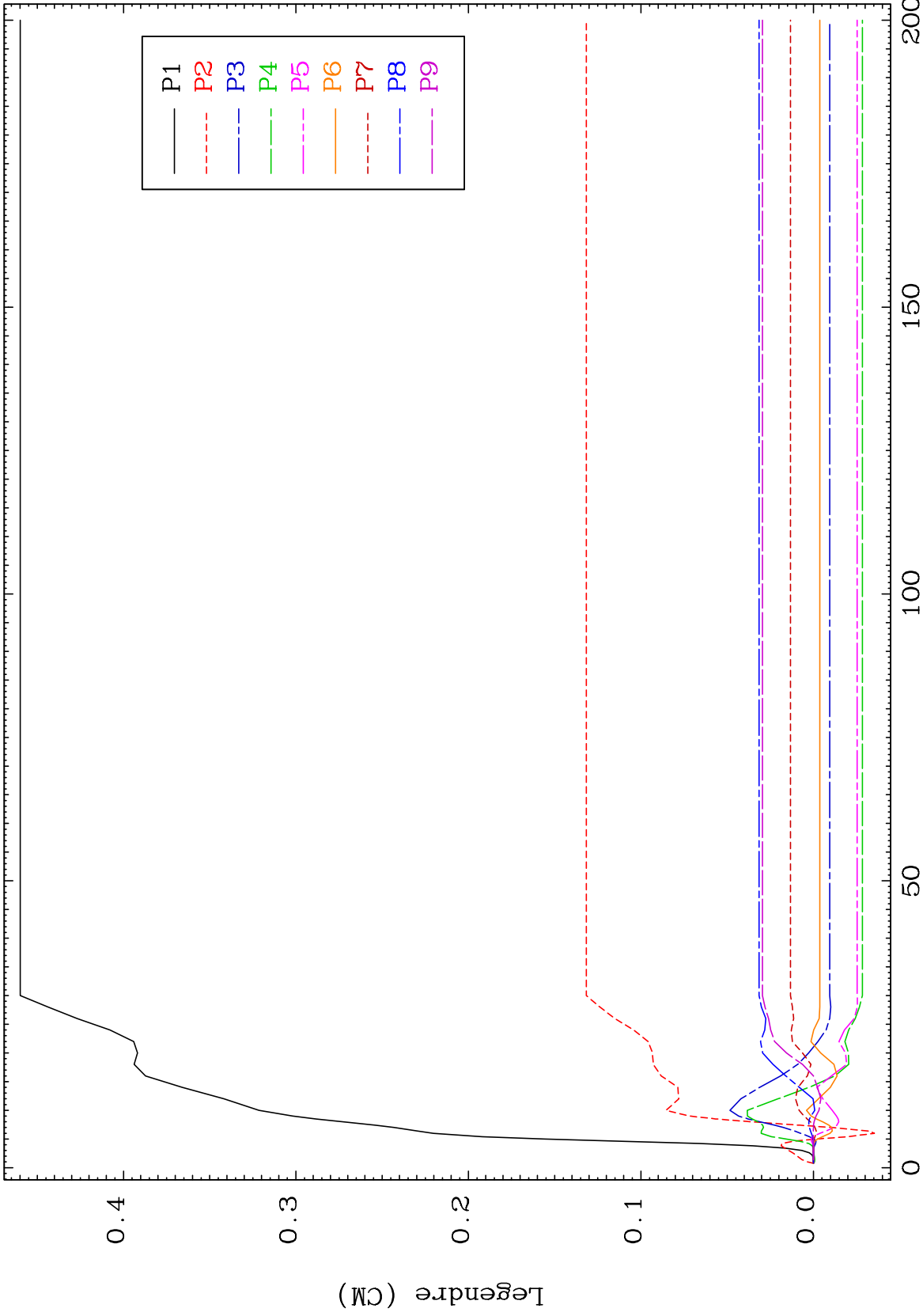
70-Yb-169



MAT 7028

MT= 73 (n,n') Level  
Legendre Coefficients

70-Yb-169



96

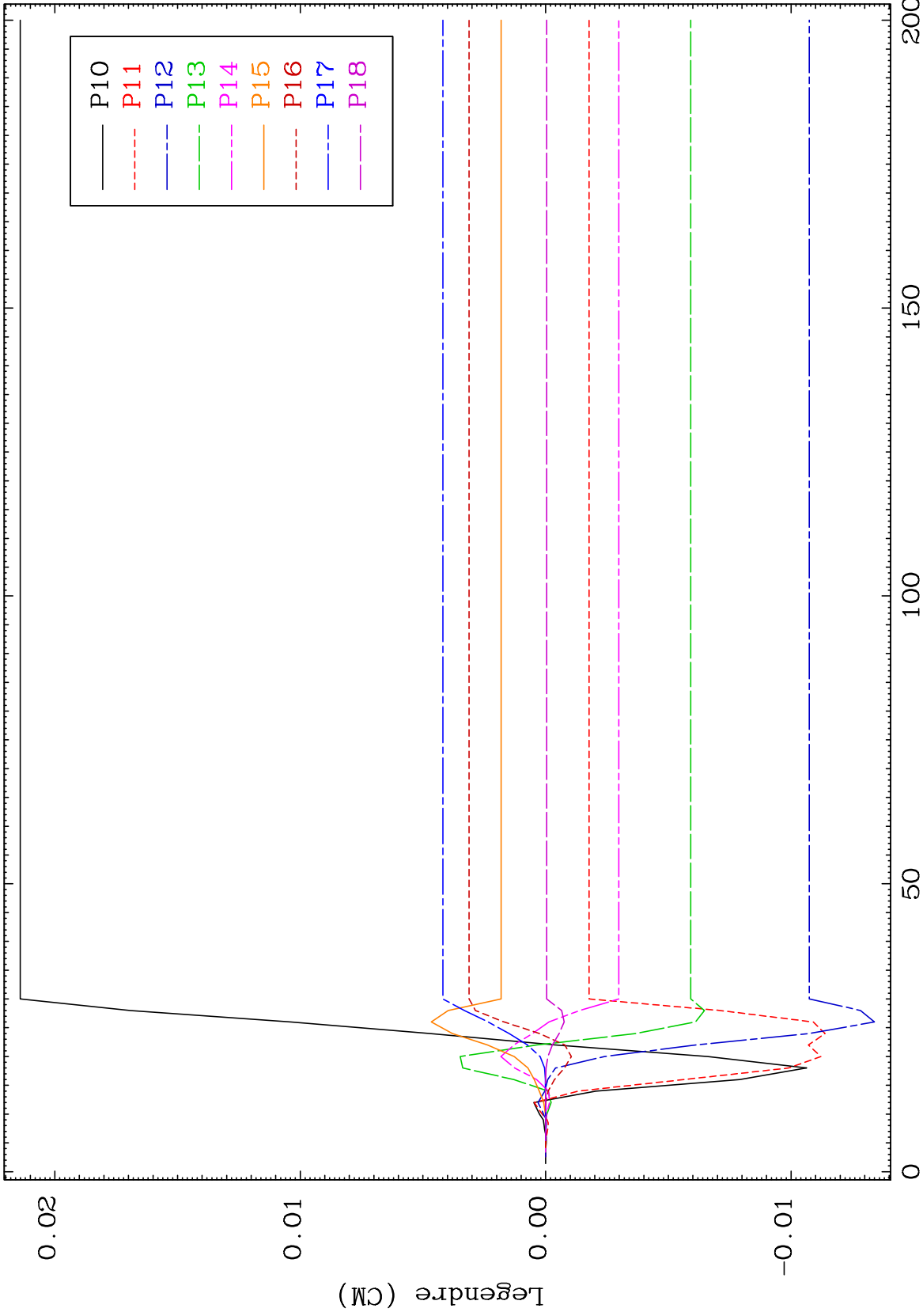
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 73 (n,n') Level  
Legendre Coefficients

70-Yb-169



97

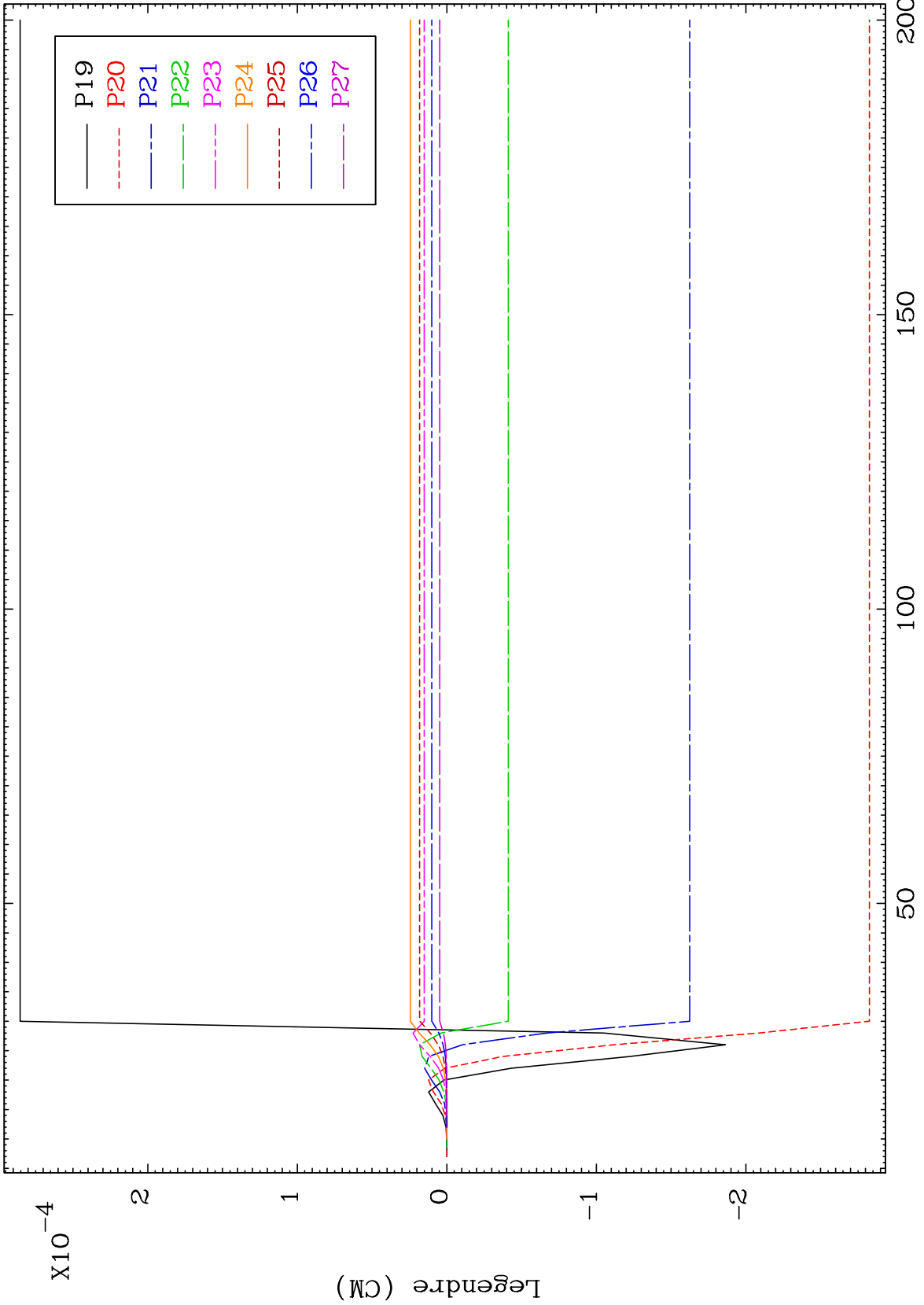
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 73 (n,n') Level  
Legendre Coefficients

70-Yb-169



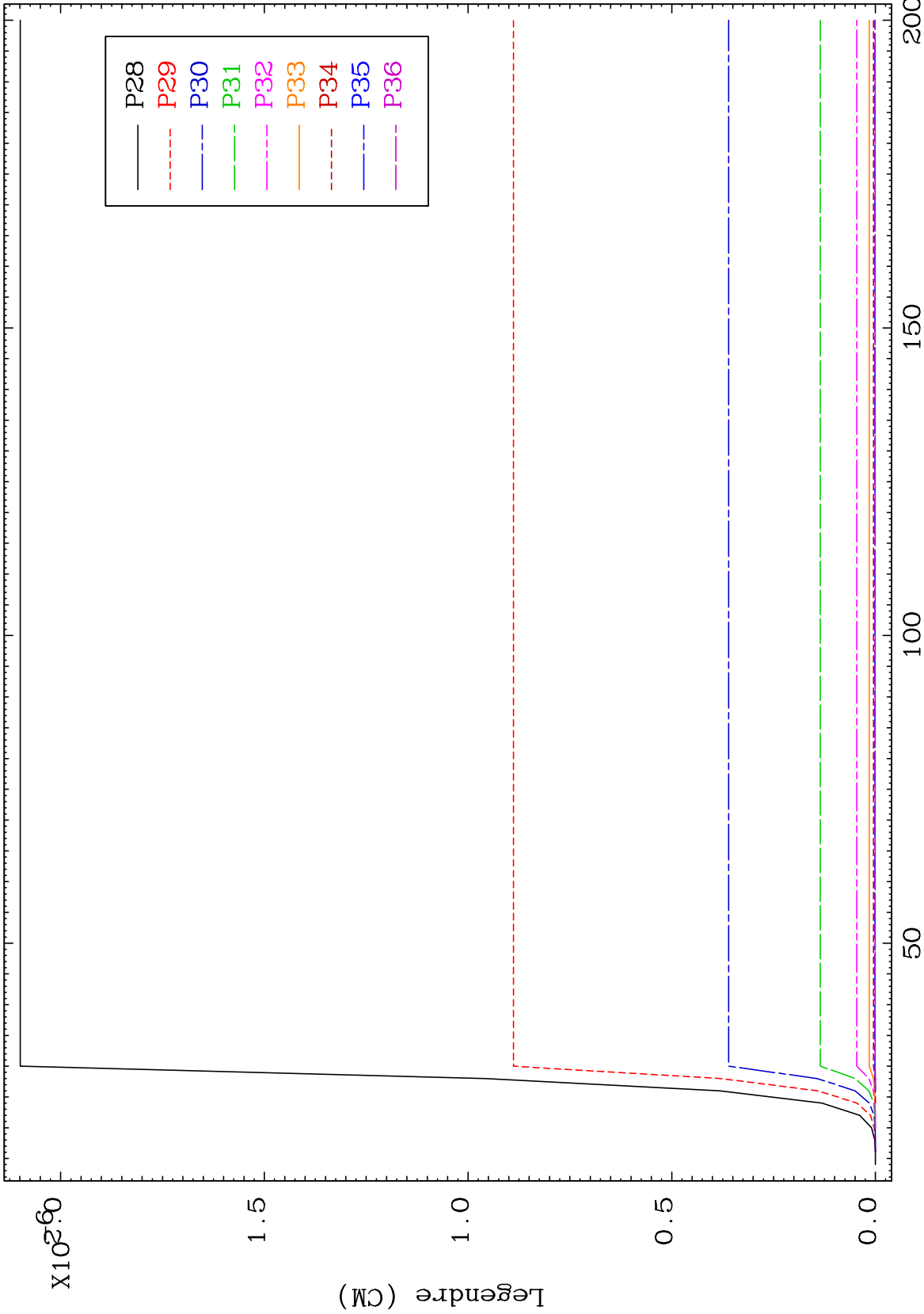
98

70-Yb-169

MAT 7028

MT= 73 (n,n') Level  
Legendre Coefficients

70-Yb-169



99

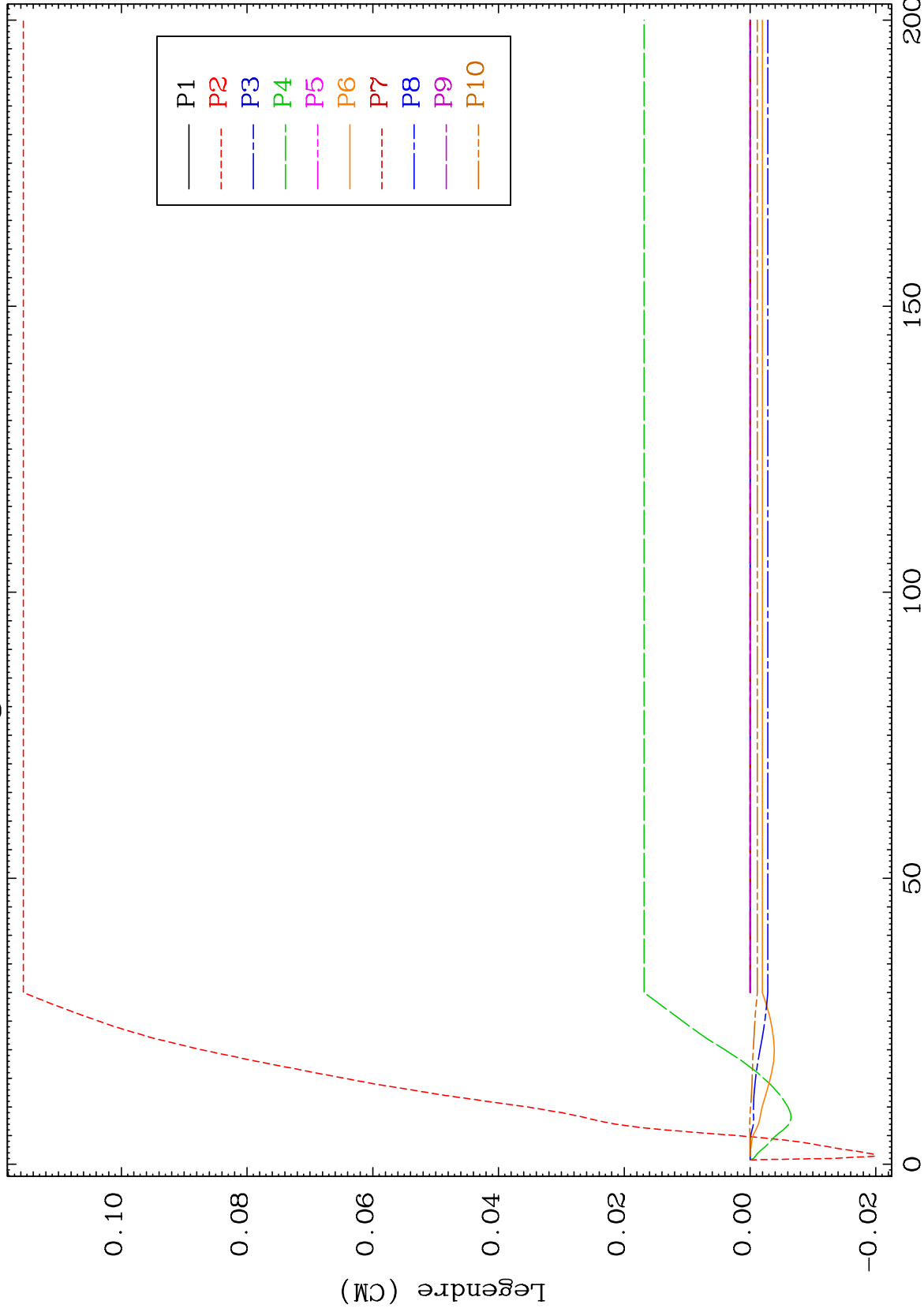
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 74 (n,n') Level  
Legendre Coefficients

70-Yb-169



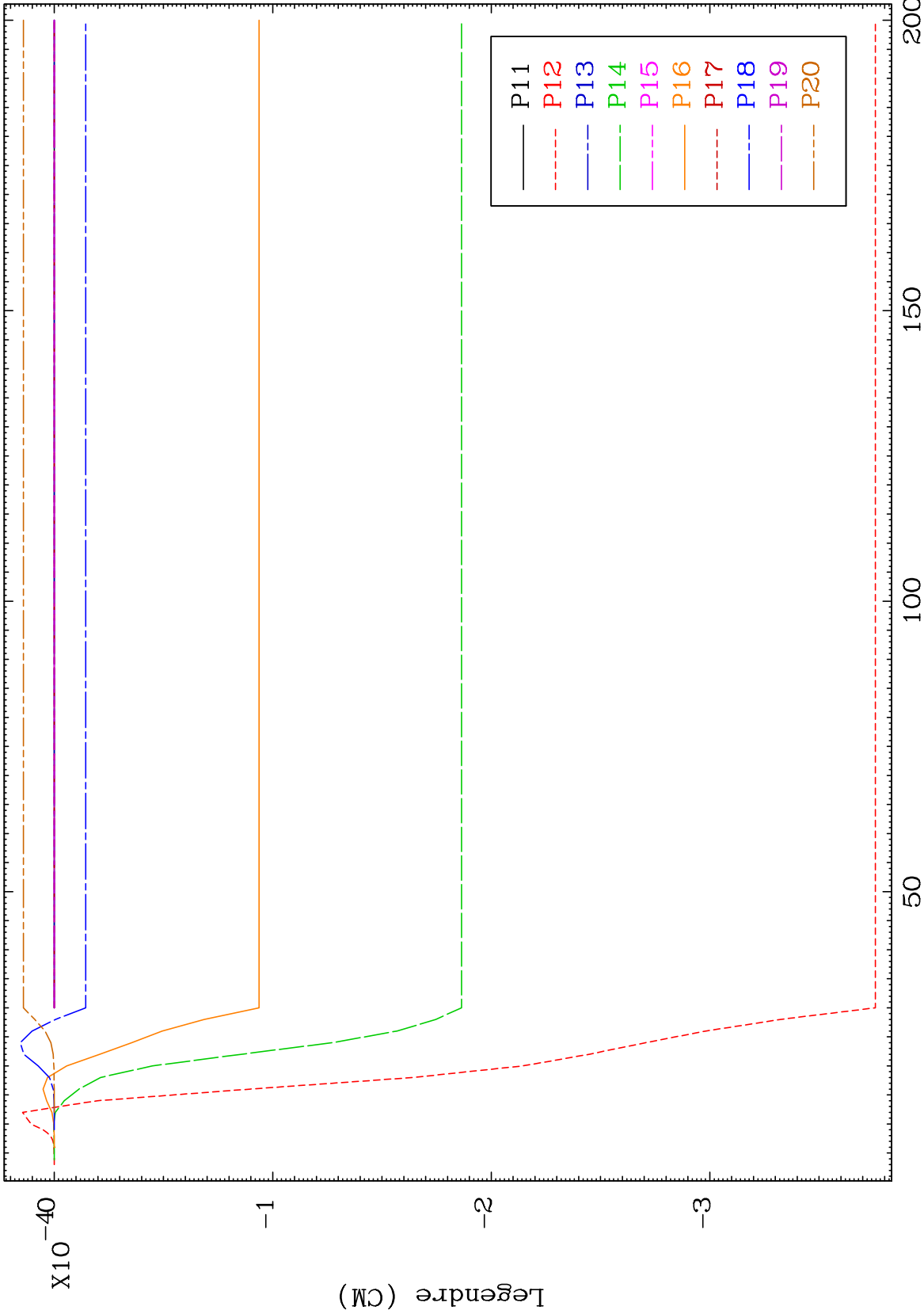
70-Yb-169

Incident Energy (MeV)

MAT 7028

MT= 74 (n,n') Level  
Legendre Coefficients

70-Yb-169



101

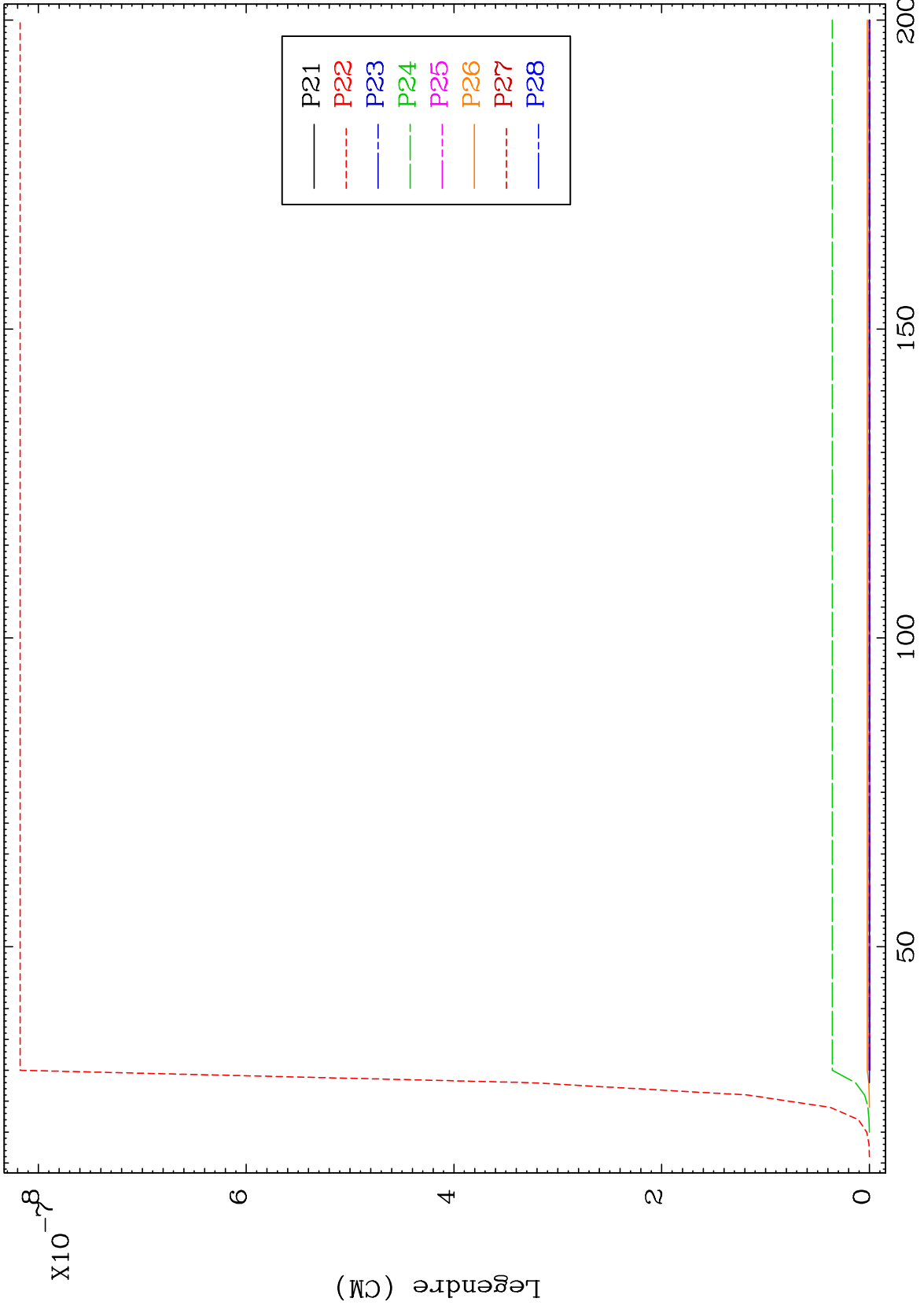
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 74 (n,n') Level  
Legendre Coefficients

70-Yb-169

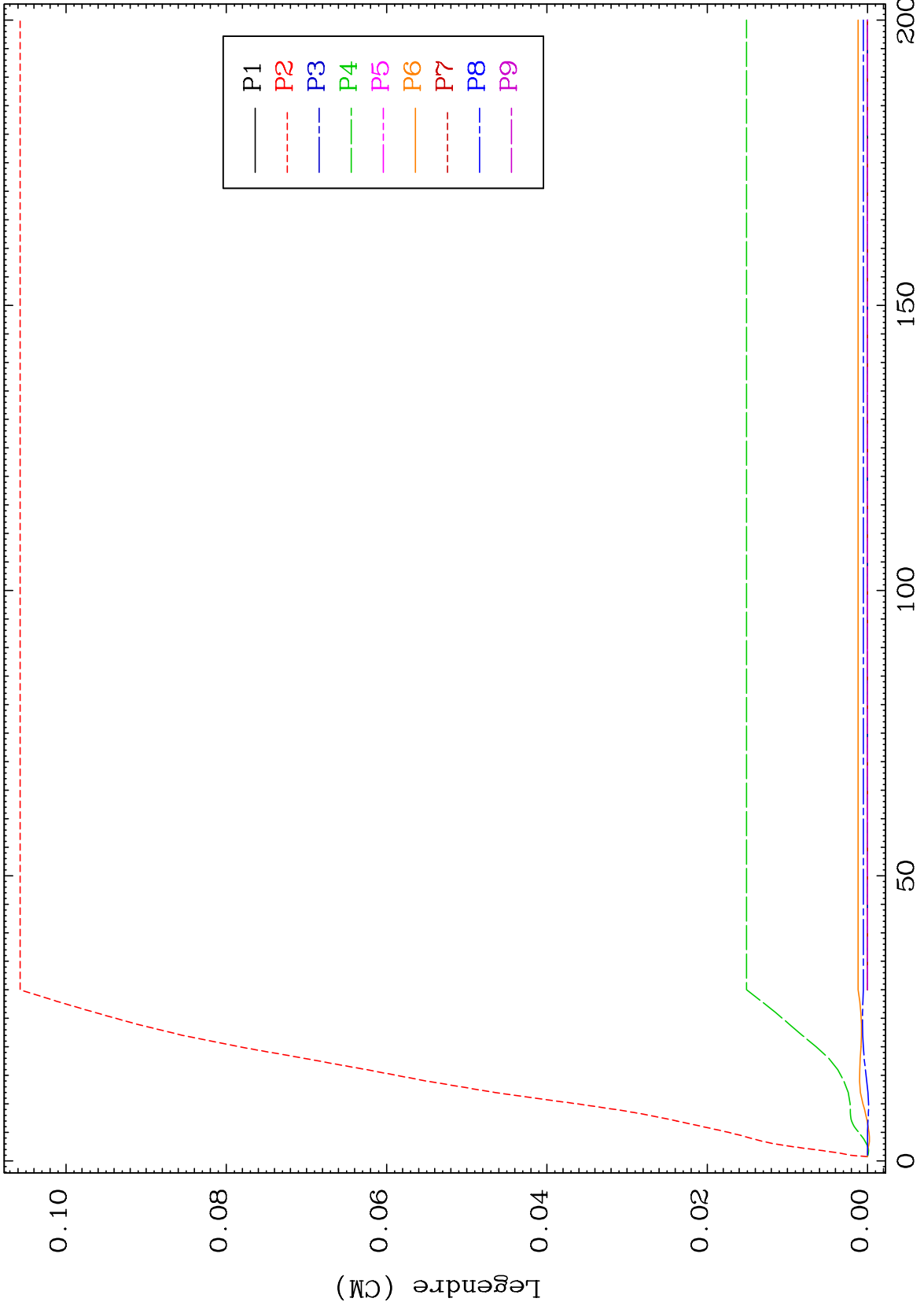


102

Incident Energy (MeV)

70-Yb-169

MAT 7028 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-169



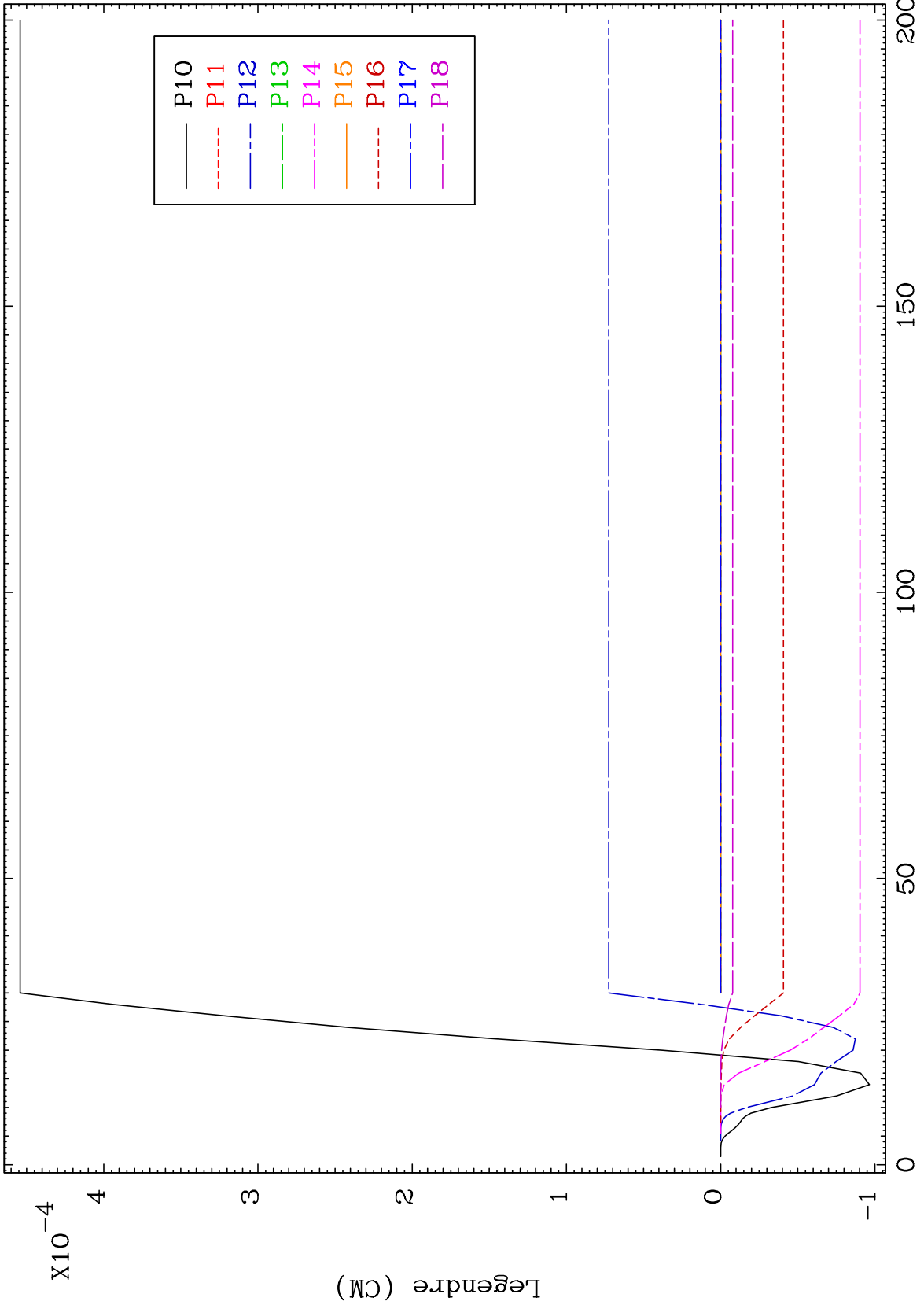
103 Incident Energy (MeV) 70-Yb-169



MAT 7028

MT= 75 (n,n') Level  
Legendre Coefficients

70-Yb-169

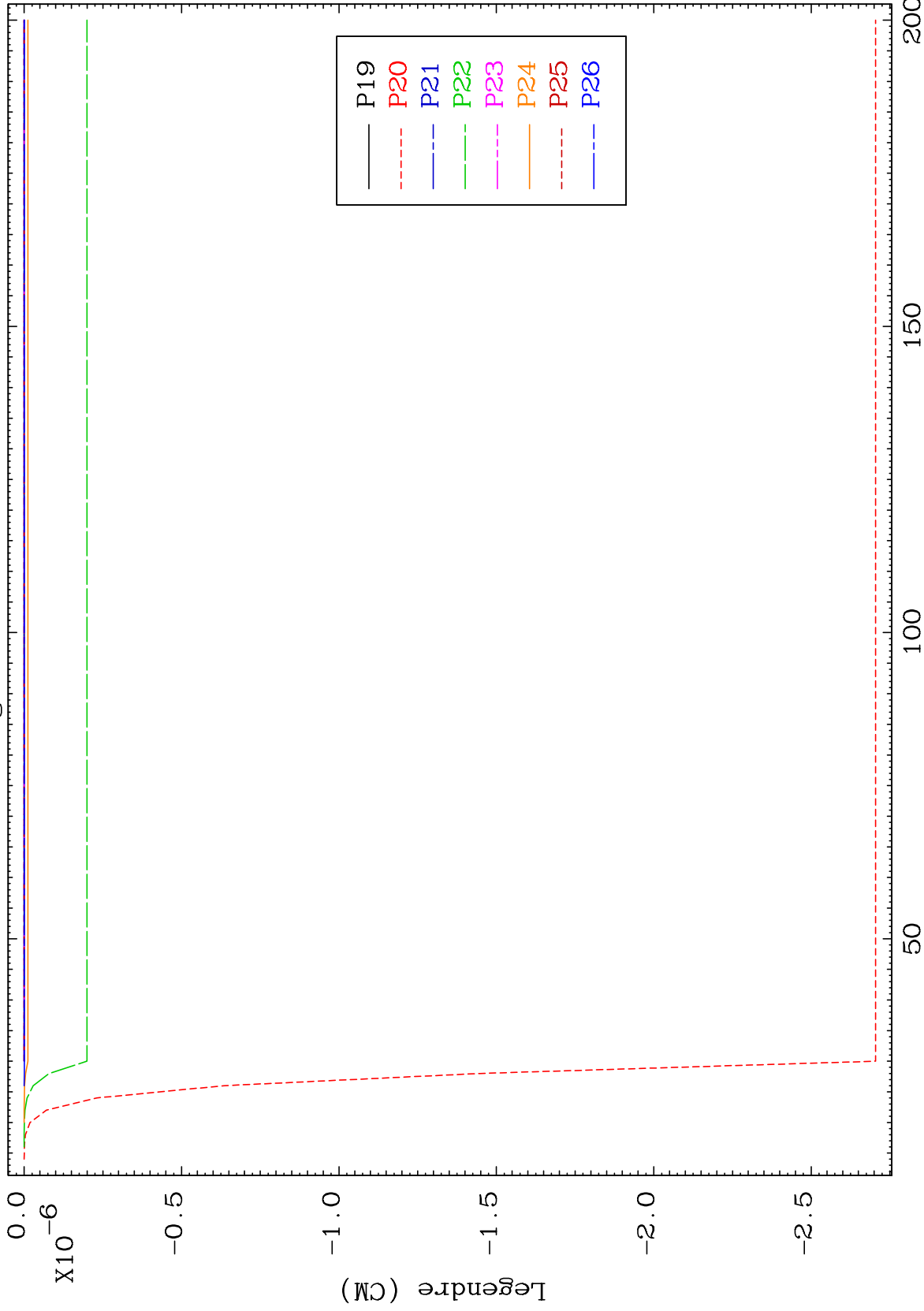


104

70-Yb-169

MAT 7028 MT= 75 (n,n') Level 70-Yb-169

Legendre Coefficients

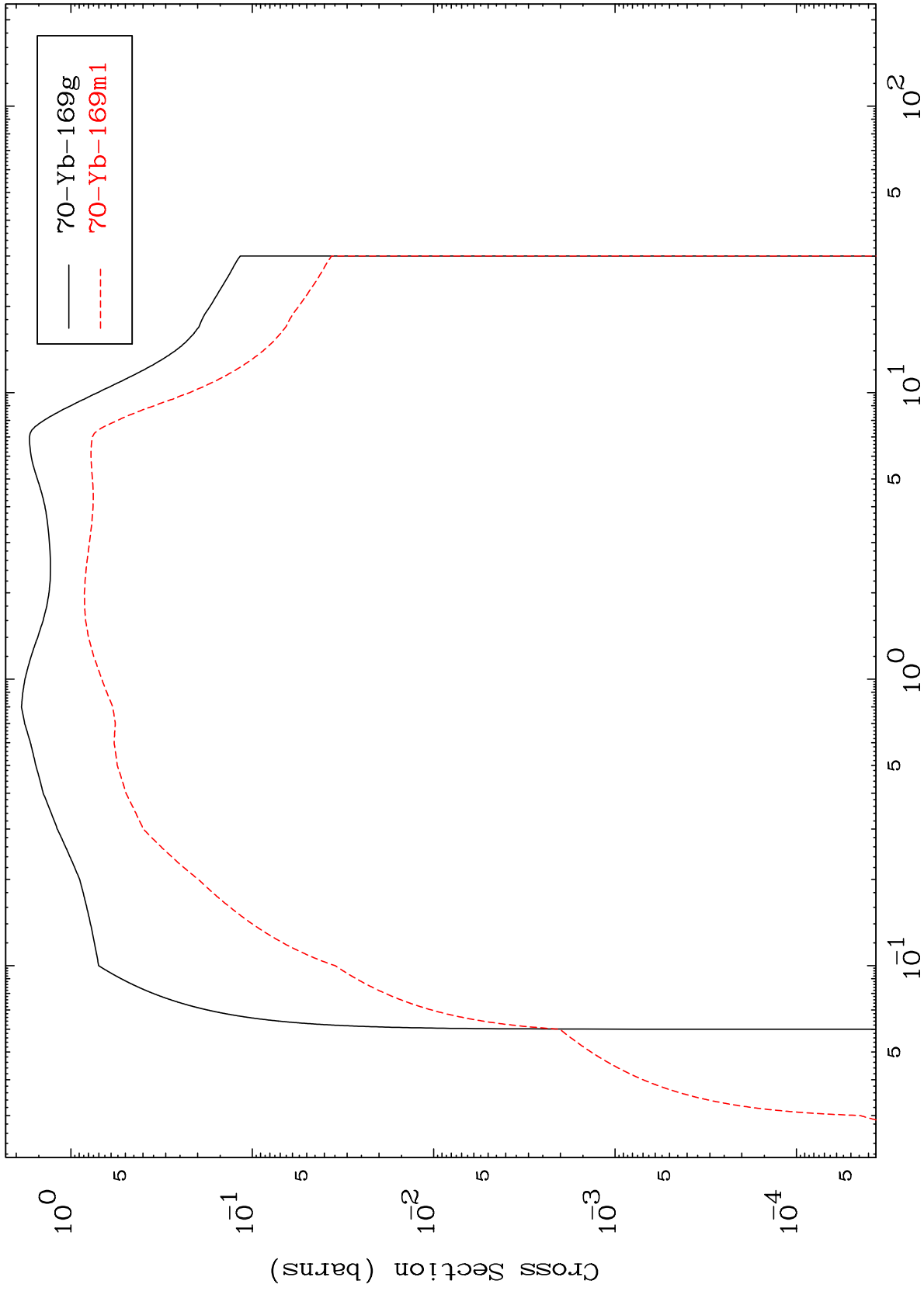


105 Incident Energy (MeV) 70-Yb-169

MAT 7028

70-Yb-169

Inelastic  
Radionuclide Production Cross Section



106

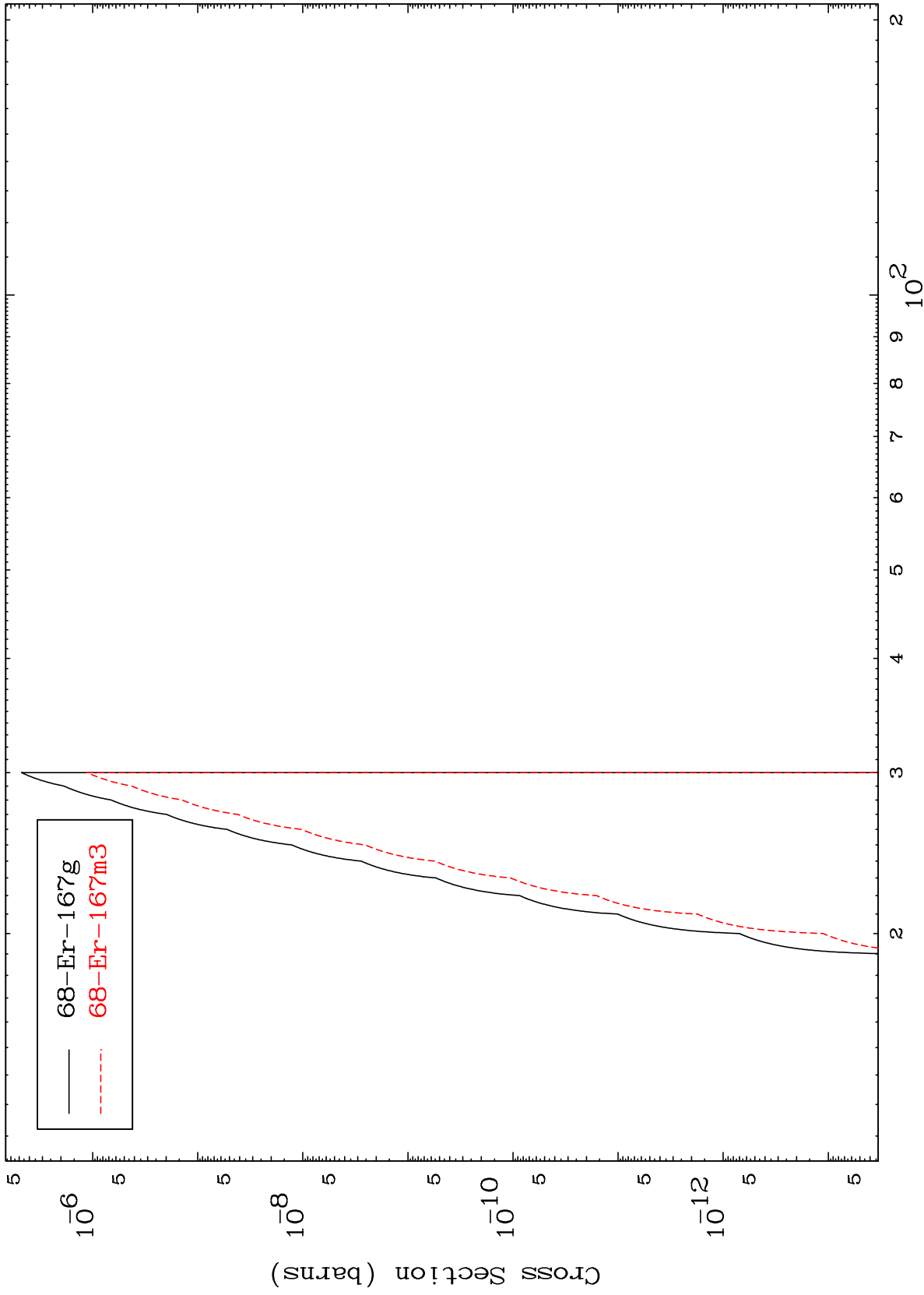
70-Yb-169

MAT 7028

(n,2n) p

70-Yb-169

Radionuclide Production Cross Section



107

Incident Energy (MeV)

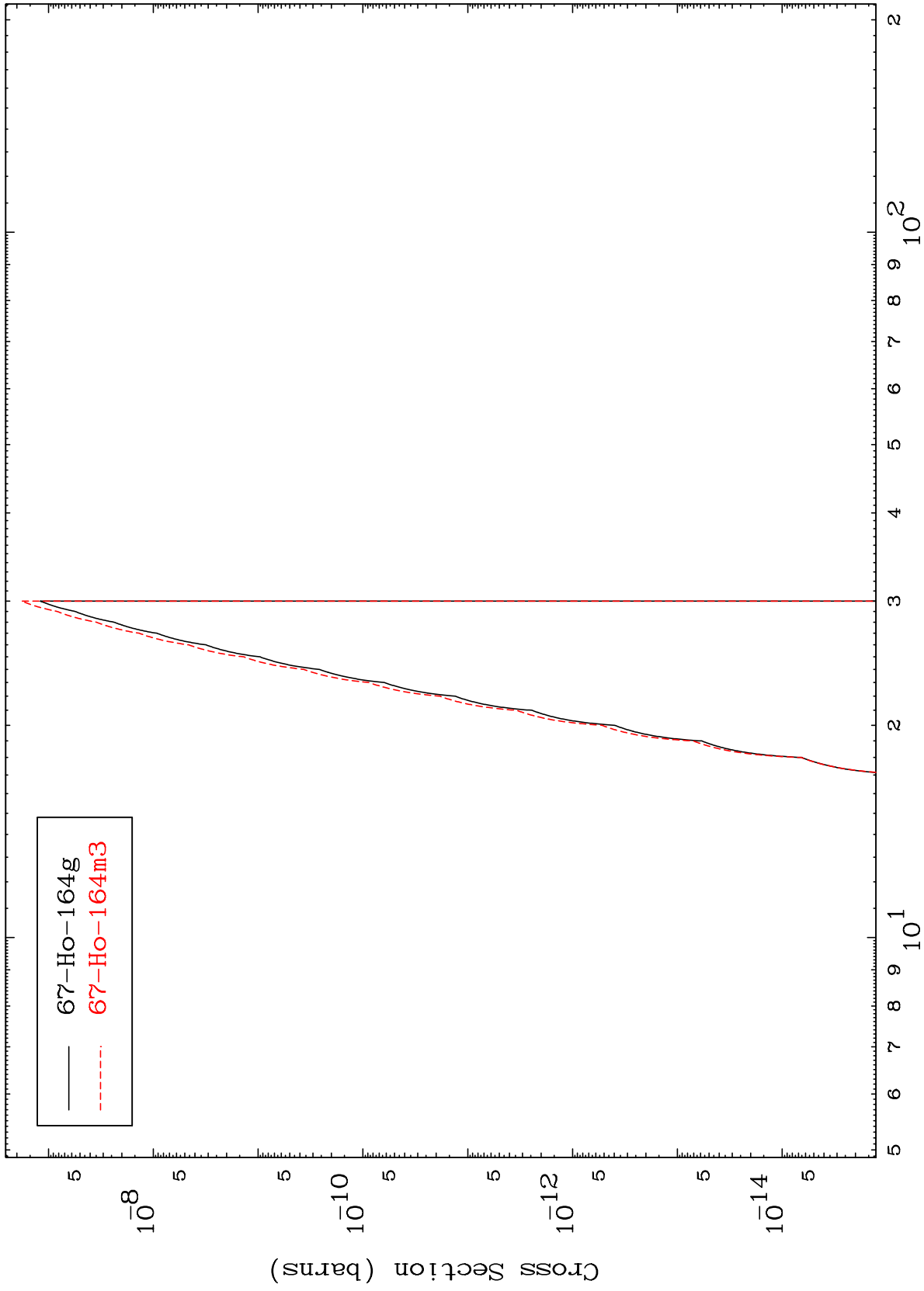
70-Yb-169

MAT 7028

(n,n') p  $\alpha$

70-Yb-169

Radionuclide Production Cross Section



108

Incident Energy (MeV)

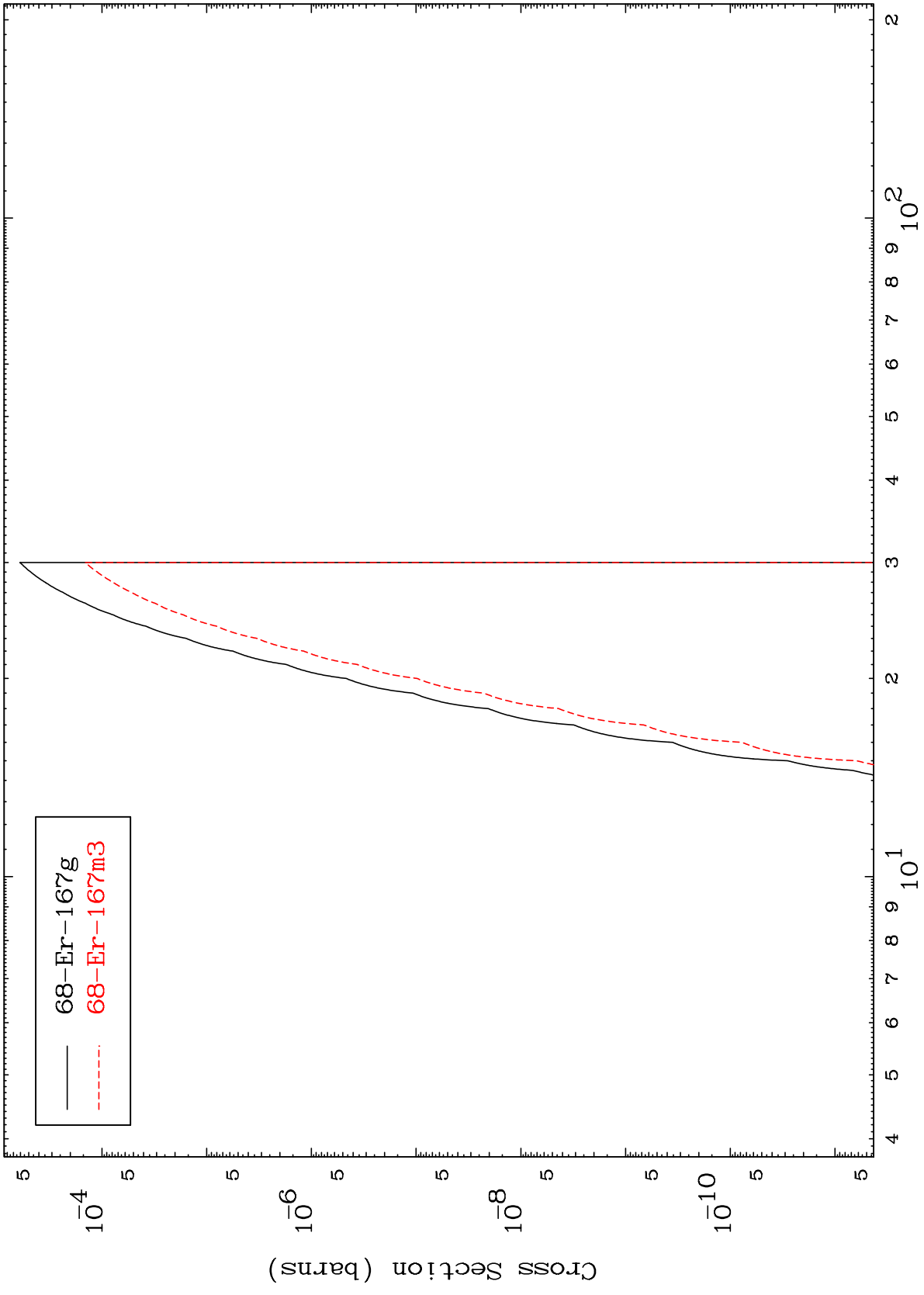
70-Yb-169

MAT 7028

(n, He-3)

70-Yb-169

Radionuclide Production Cross Section



68-Er-167g  
68-Er-167m3

109

Incident Energy (MeV)

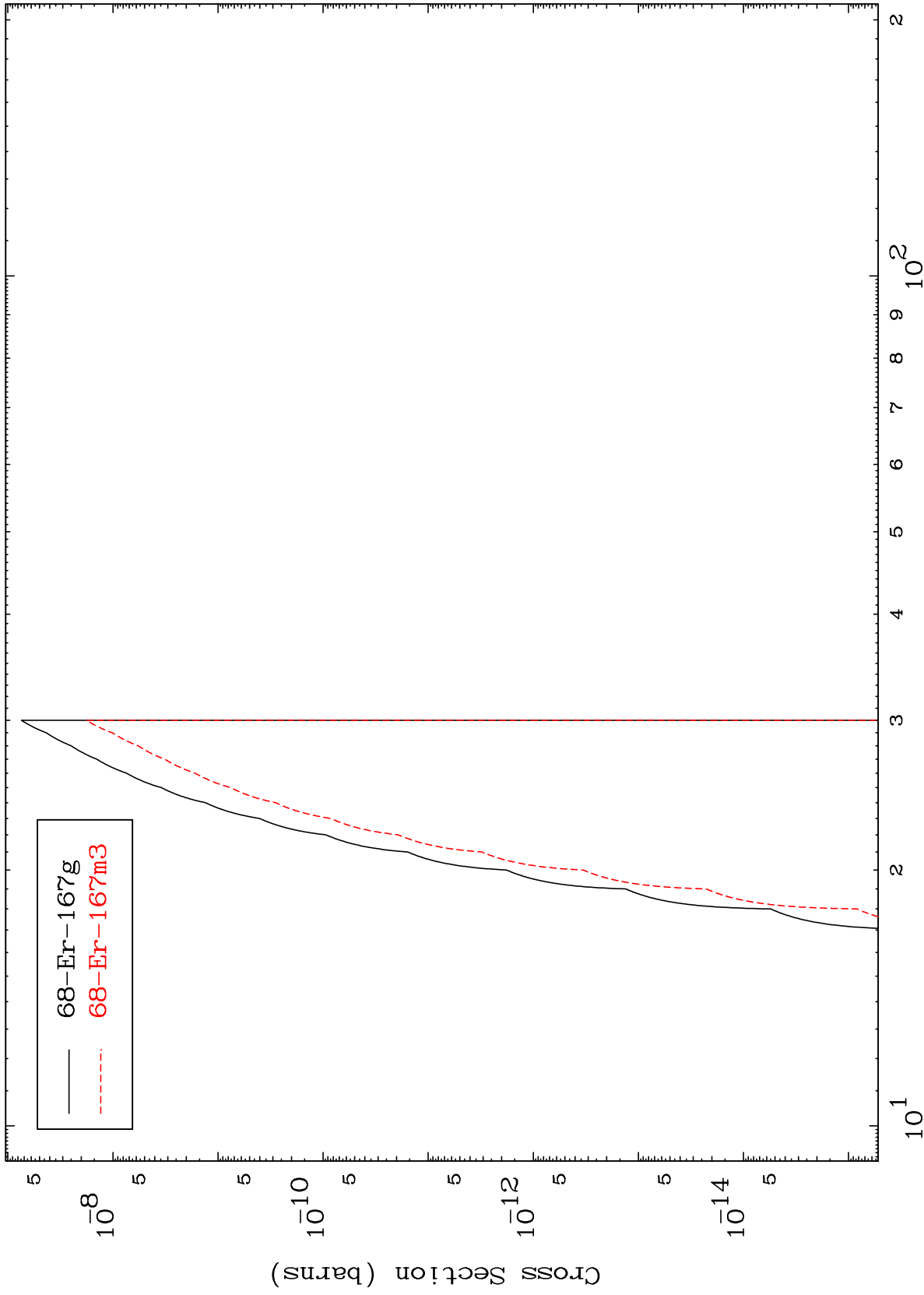
70-Yb-169

MAT 7028

(n,p) d

70-Yb-169

Radionuclide Production Cross Section



110

Incident Energy (MeV)

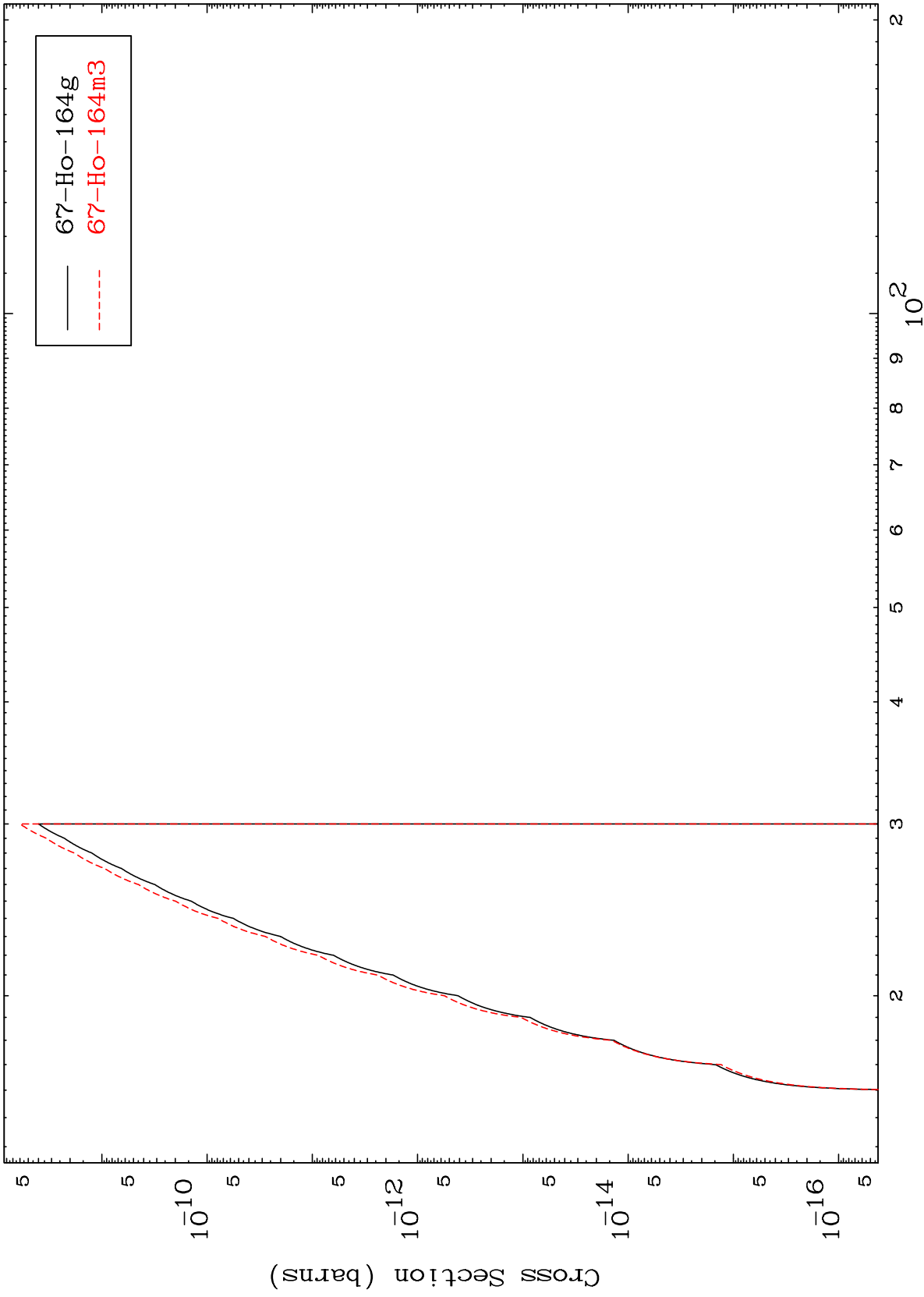
70-Yb-169

MAT 7028

(n,d)  $\alpha$

70-Yb-169

Radionuclide Production Cross Section



111

Incident Energy (MeV)

70-Yb-169