

Program EVALPLOT  
(Version 2018-1)

by

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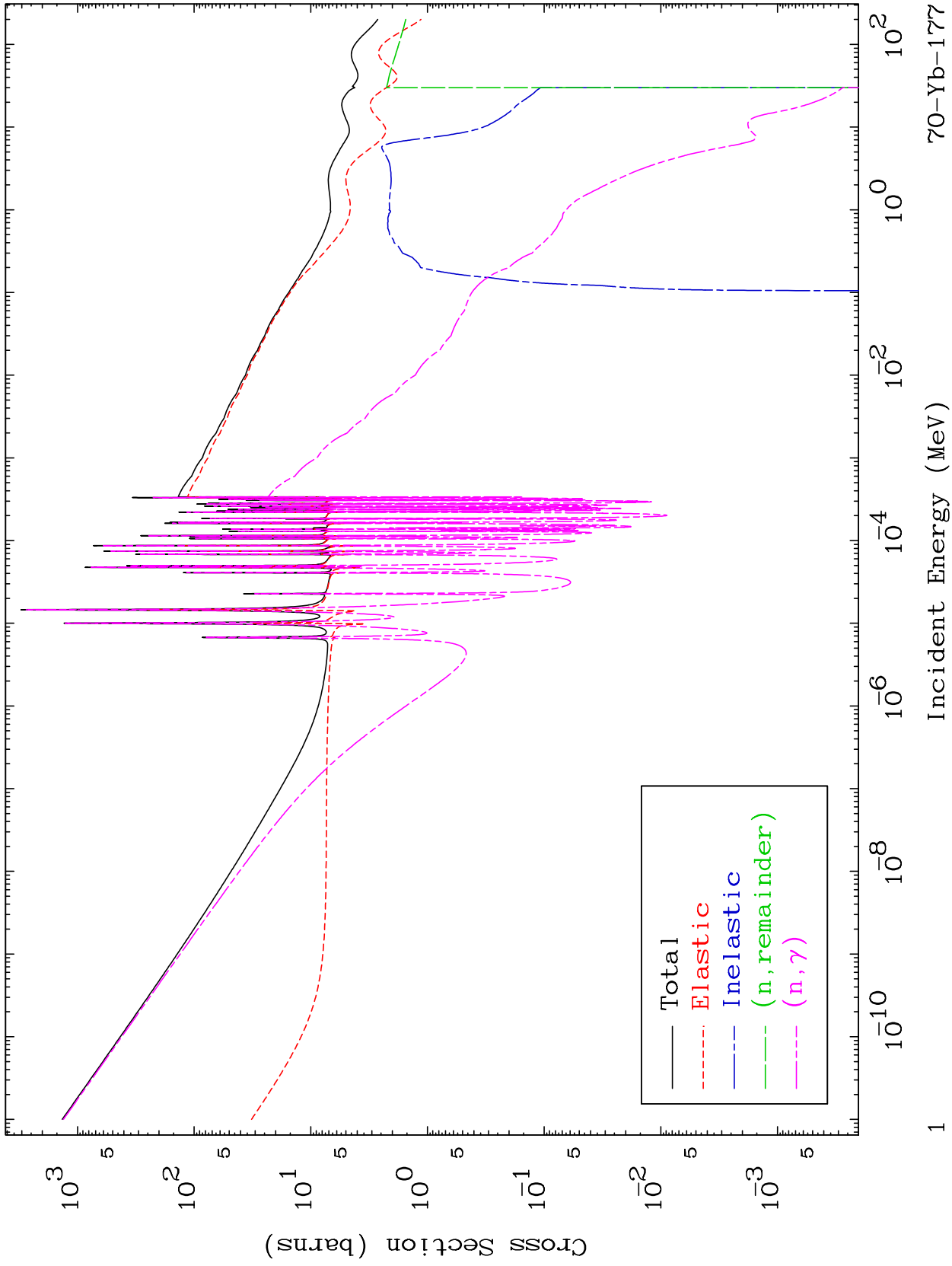
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7052

Major  
293 Kelvin Cross Sections

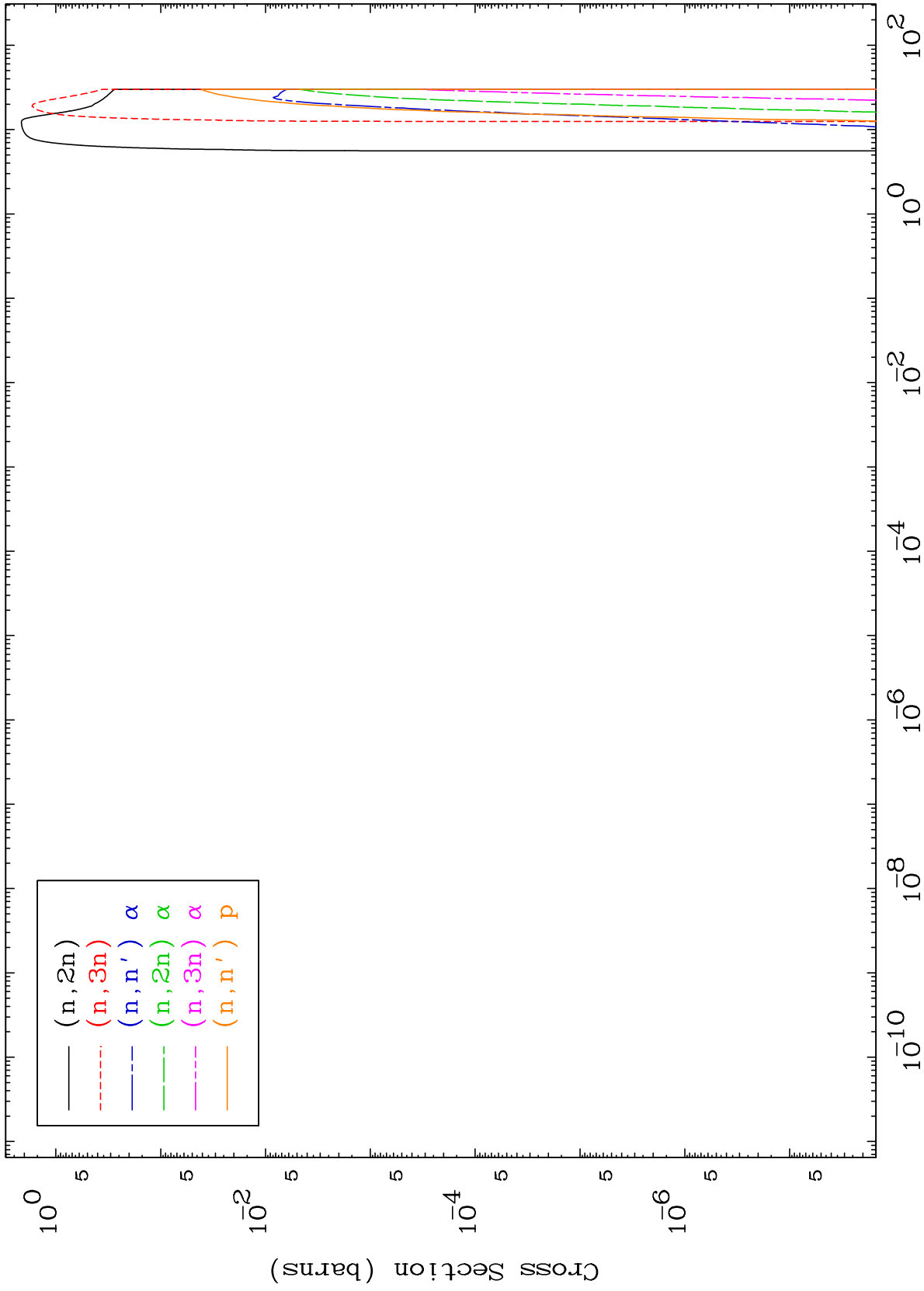
70-Yb-177



MAT 7052

Neutron Production  
293 Kelvin Cross Sections

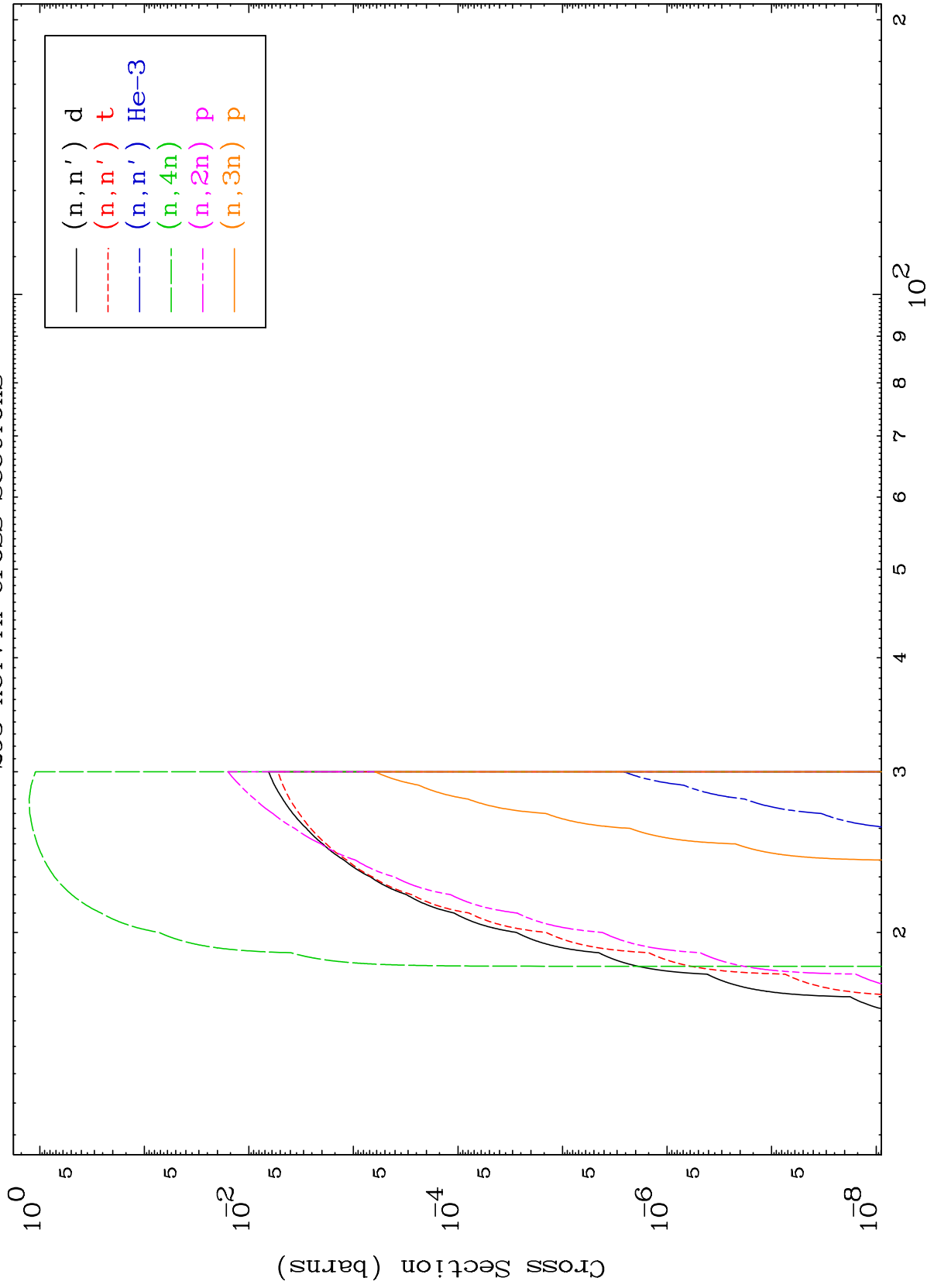
70-Yb-177



MAT 7052

Neutron Production  
293 Kelvin Cross Sections

70-Yb-177



3

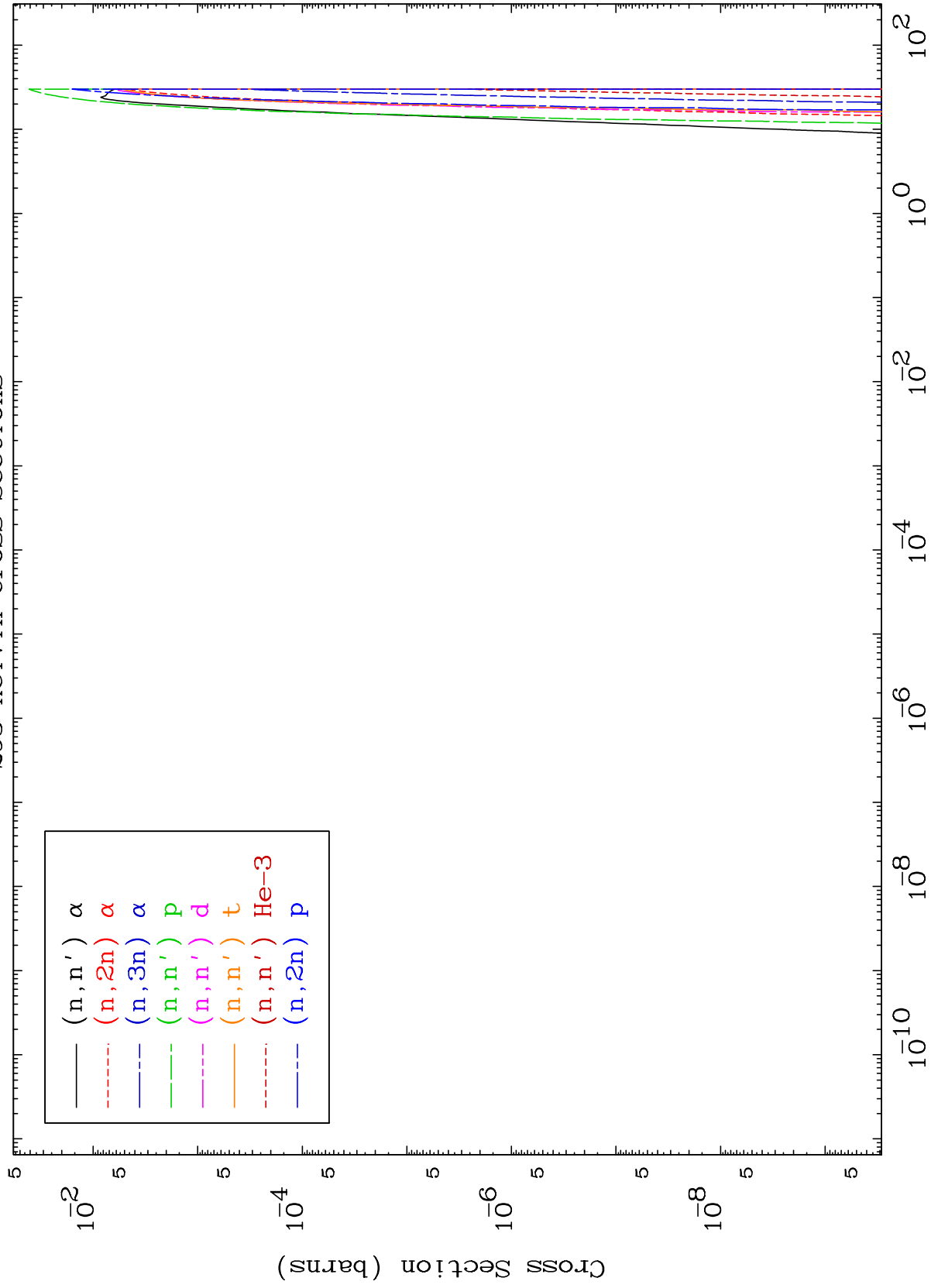
Incident Energy (MeV)

70-Yb-177

MAT 7052

293 Charged Particle  
Kelvin Cross Sections

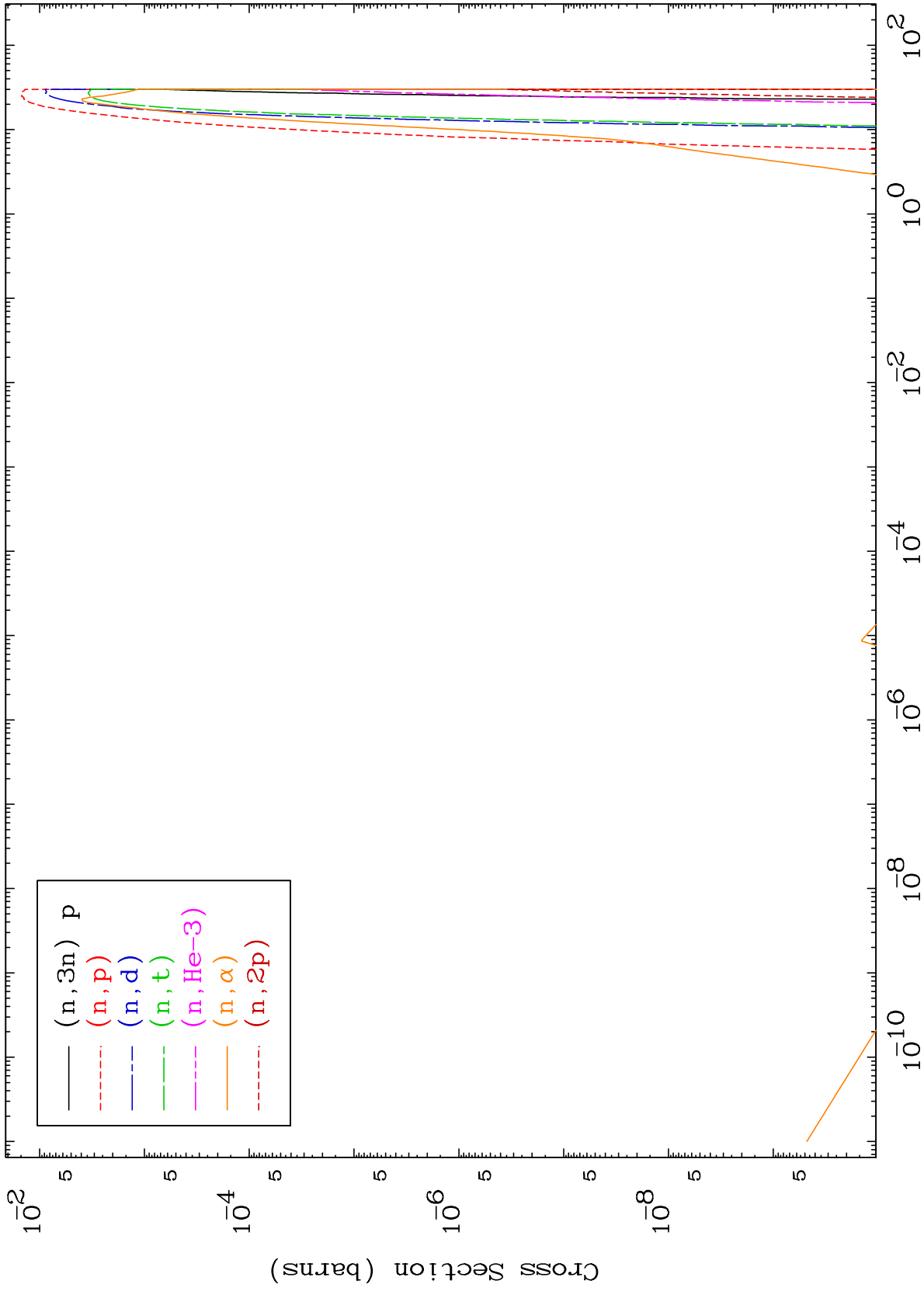
70-Yb-177



MAT 7052

Charged Particle  
293 Kelvin Cross Sections

70-Yb-177



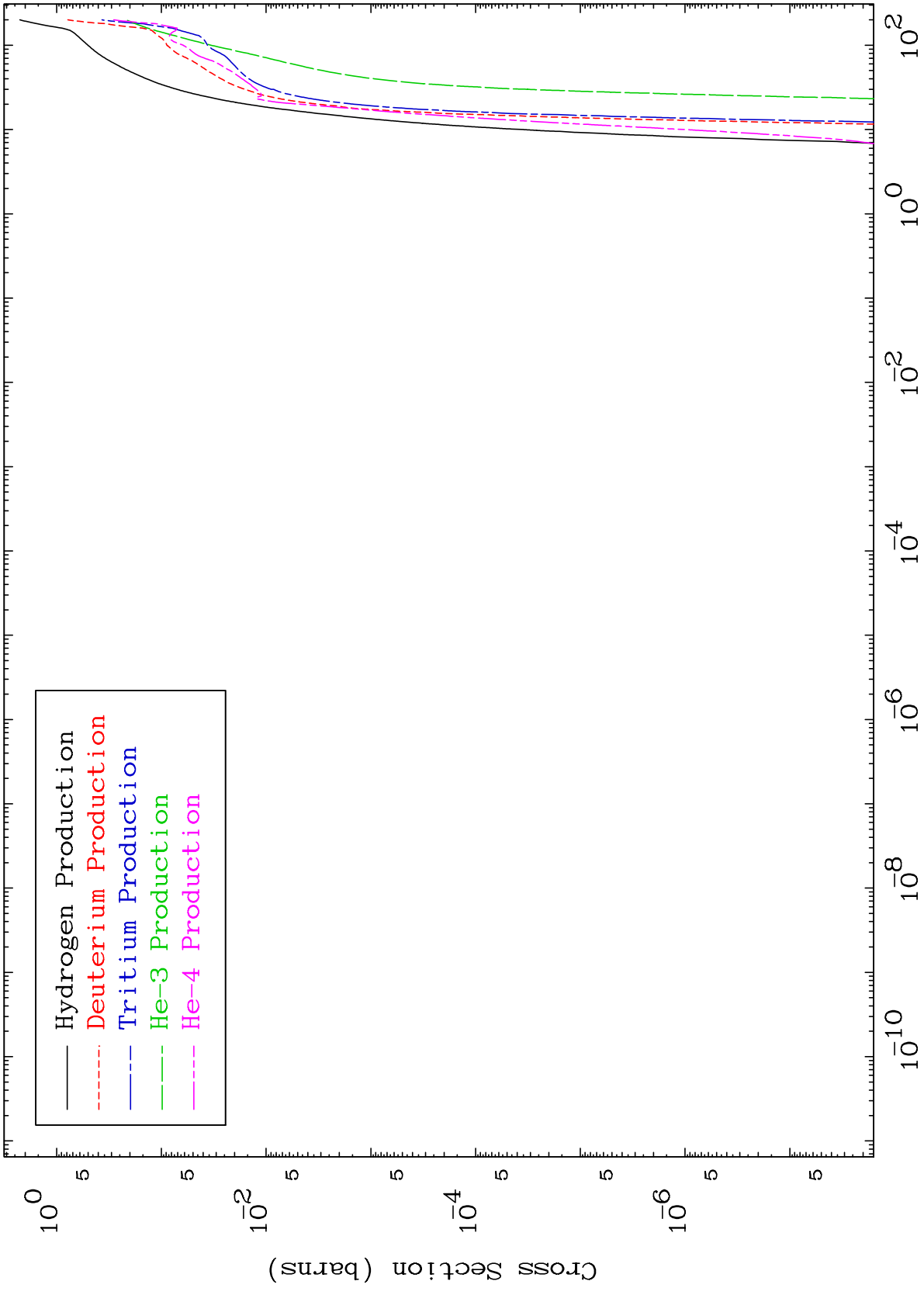
5

70-Yb-177

MAT 7052

Particle Production  
293 Kelvin Cross Sections

70-Yb-177



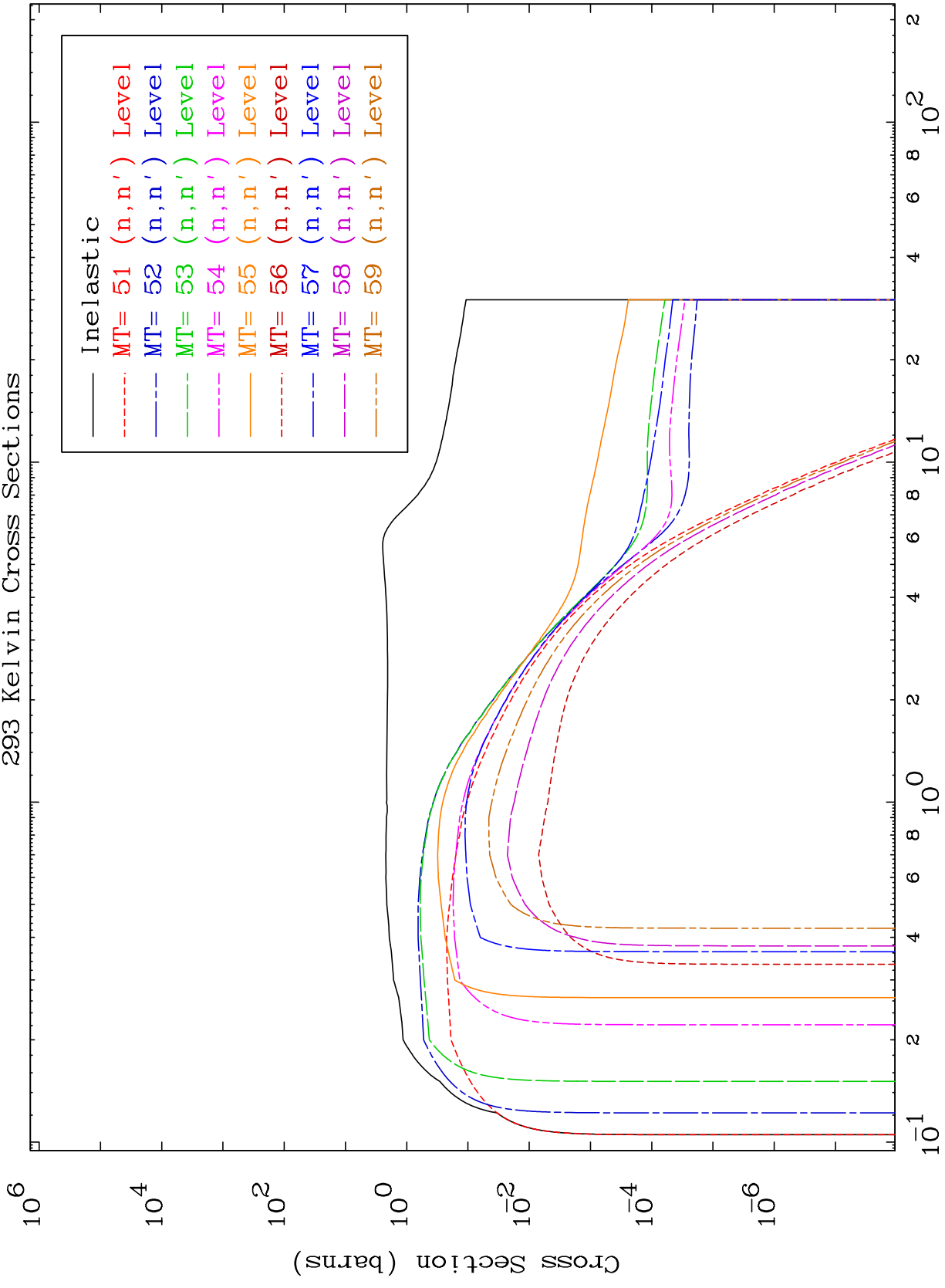
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70-Yb-177

MAT 7052

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-177



Incident Energy (MeV)

70-Yb-177

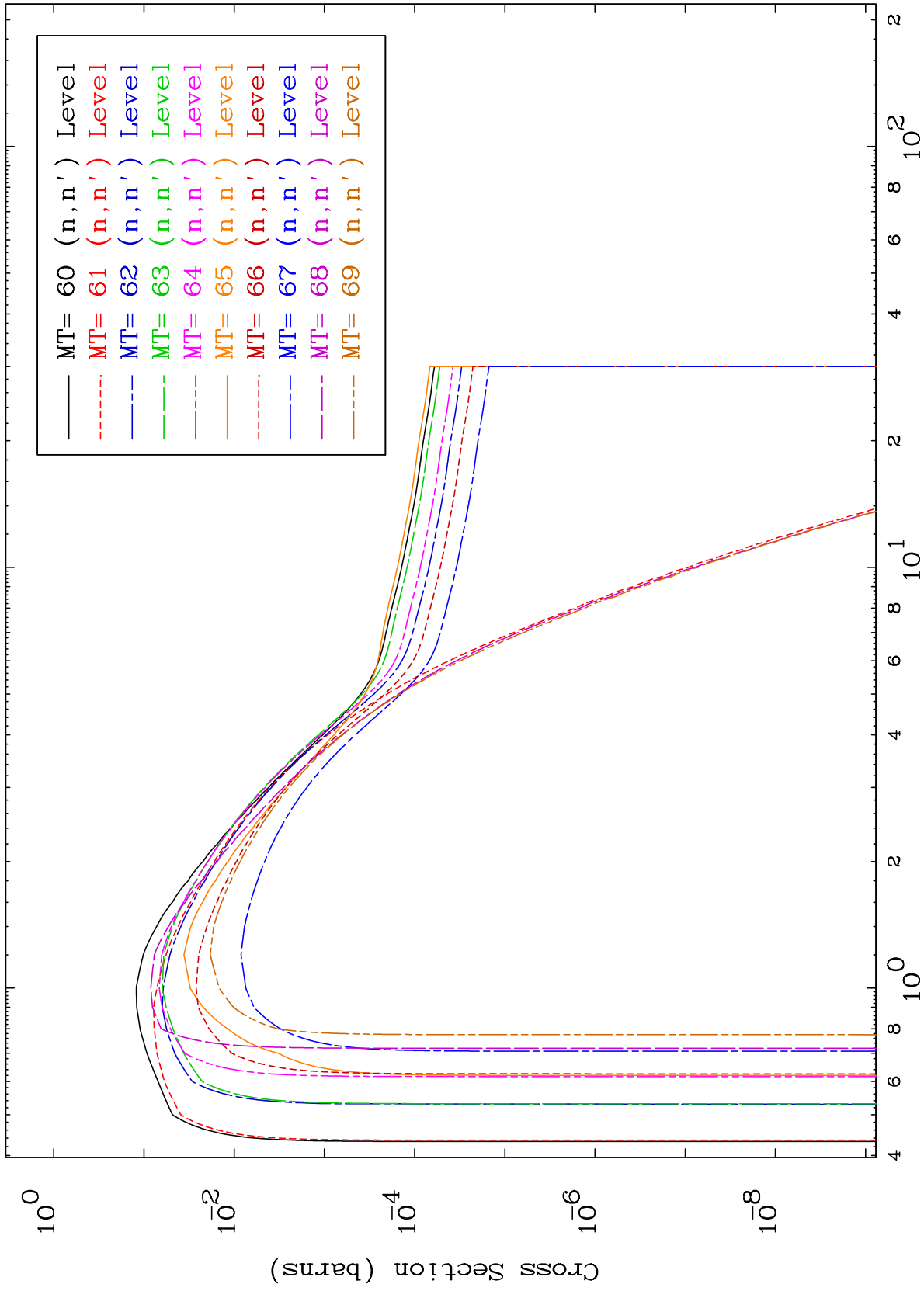


MAT 7052

(n,n') Level

70-Yb-177

293 Kelvin Cross Sections



8

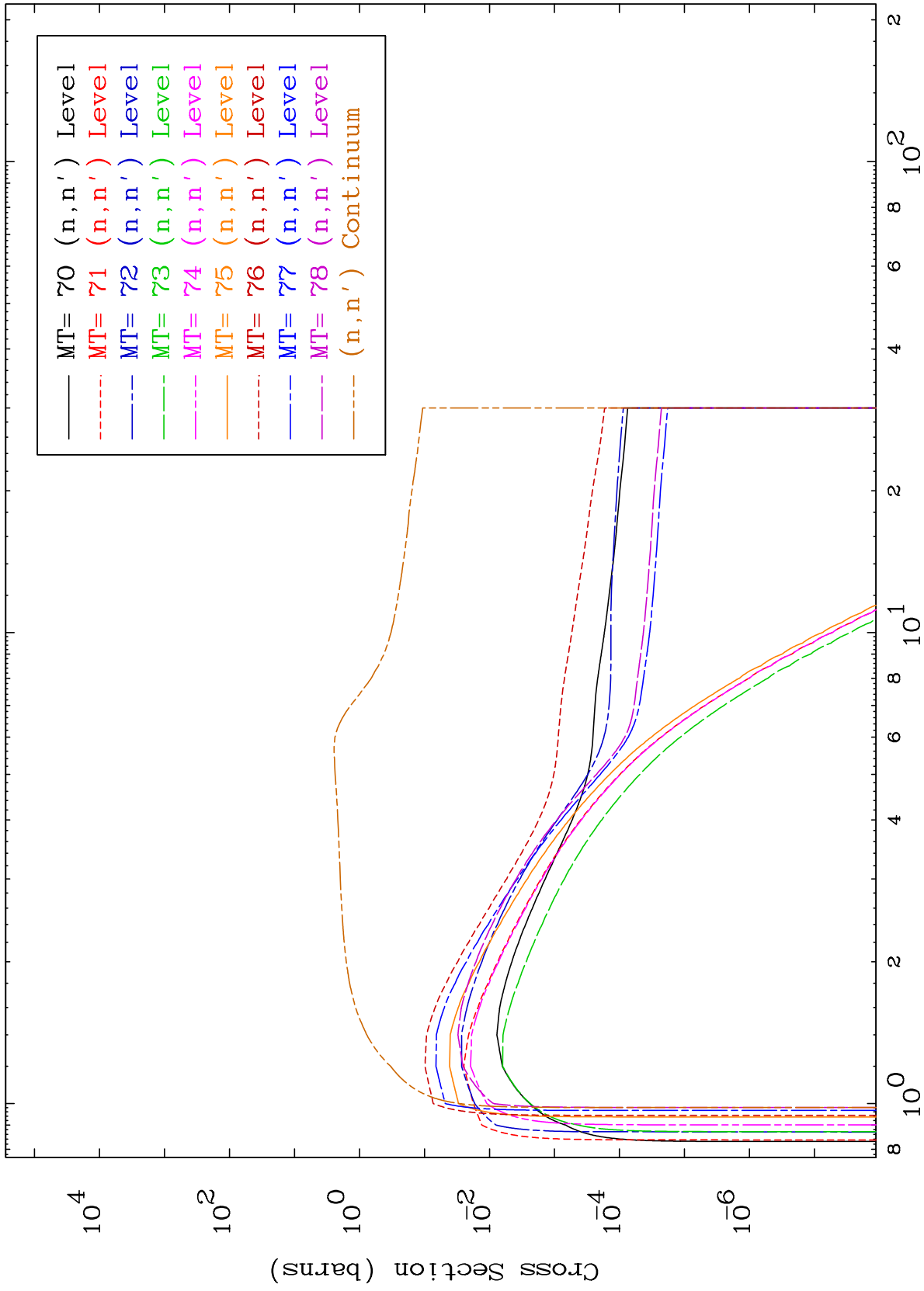
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-177



9

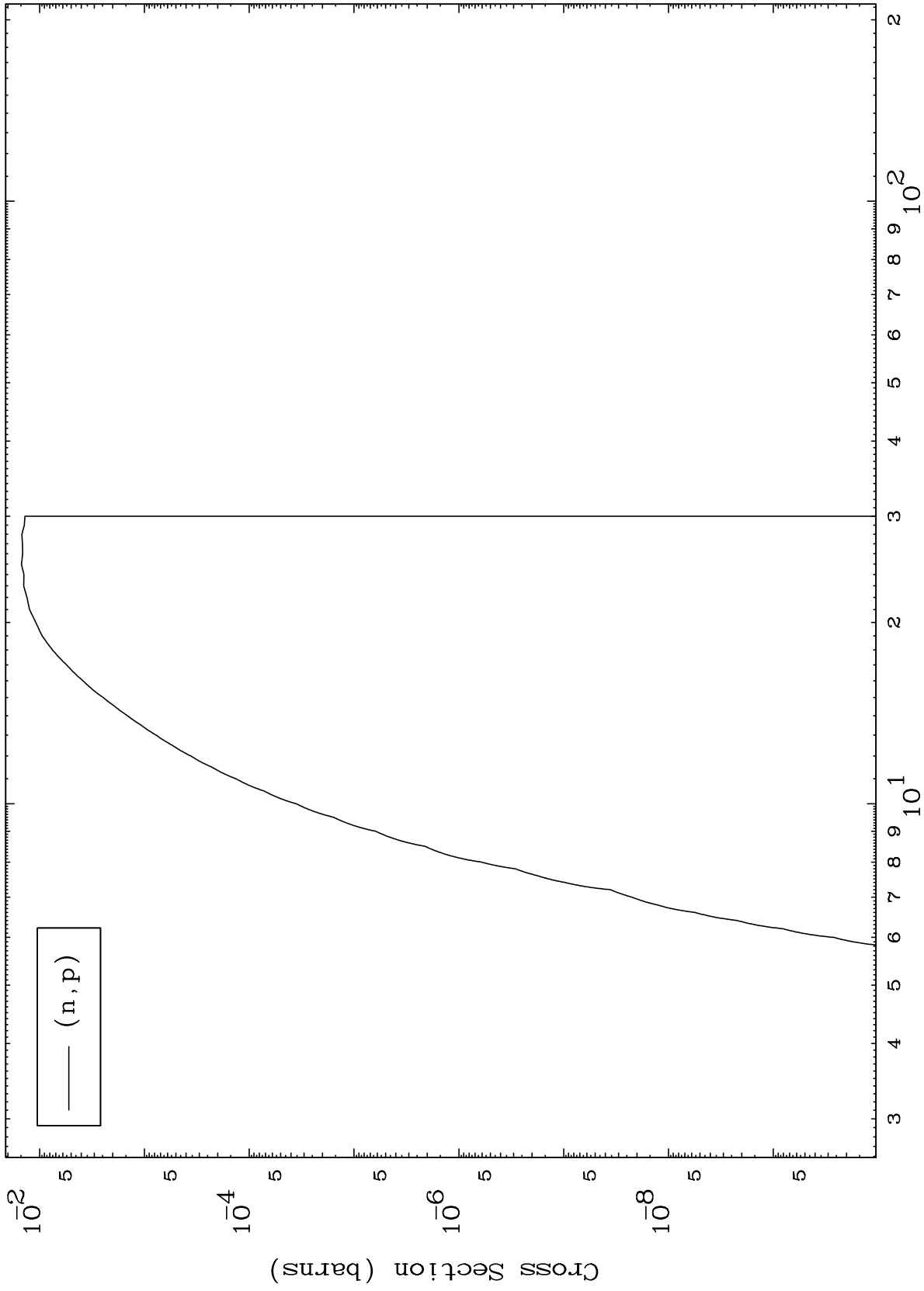
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-177



10

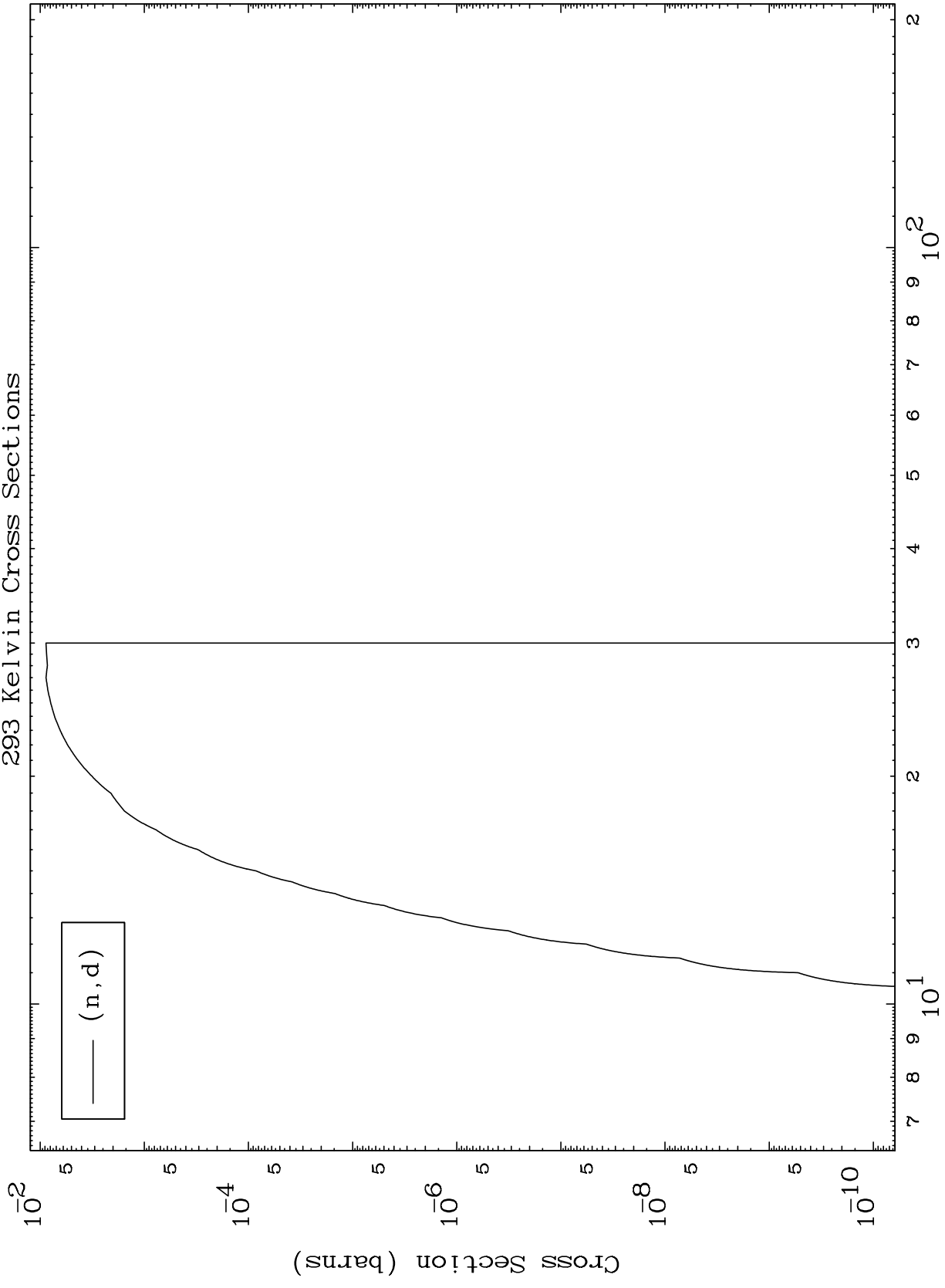
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,d) Levels  
293 Kelvin Cross Sections

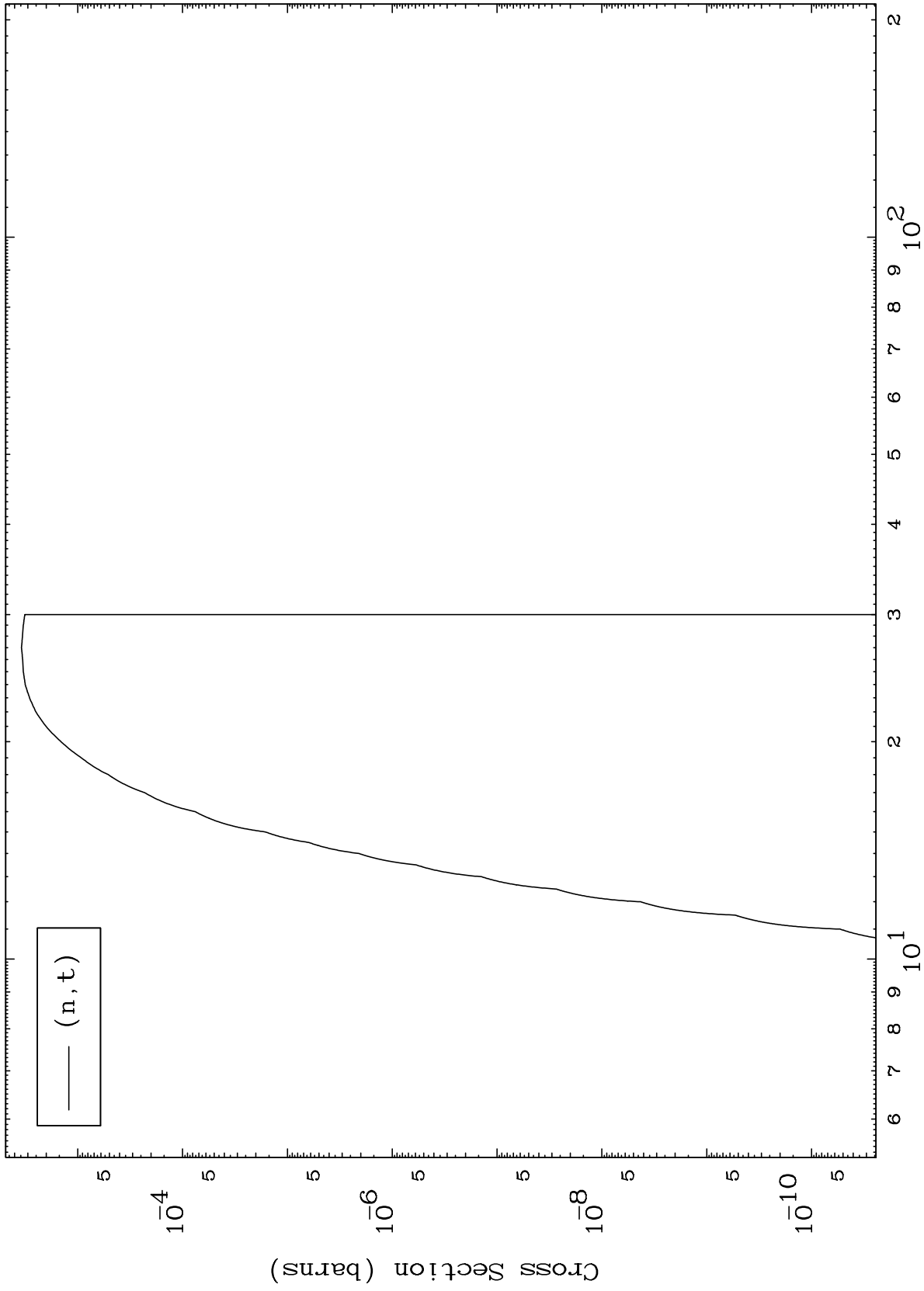
70-Yb-177



MAT 7052

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-177



12

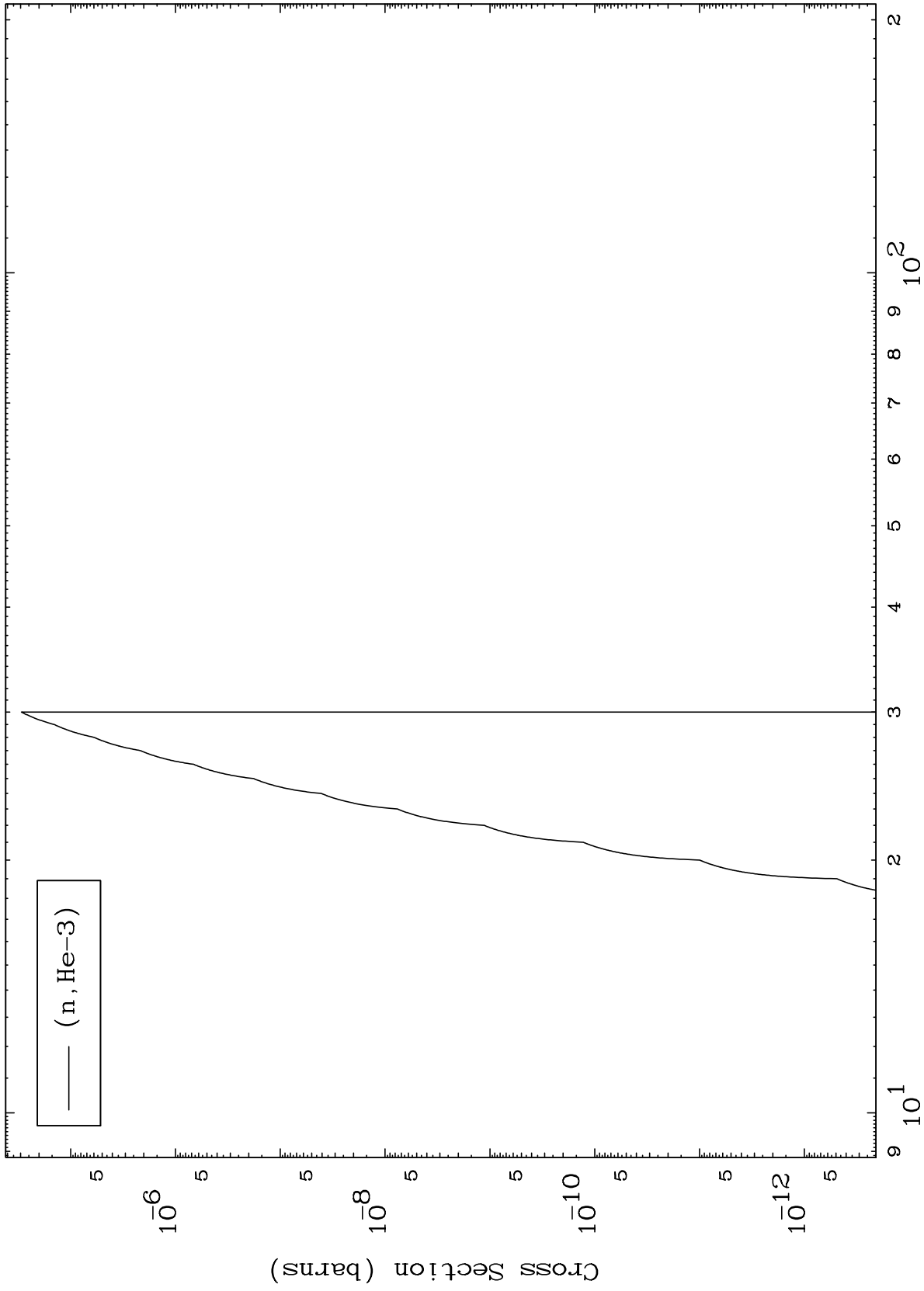
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-177



13

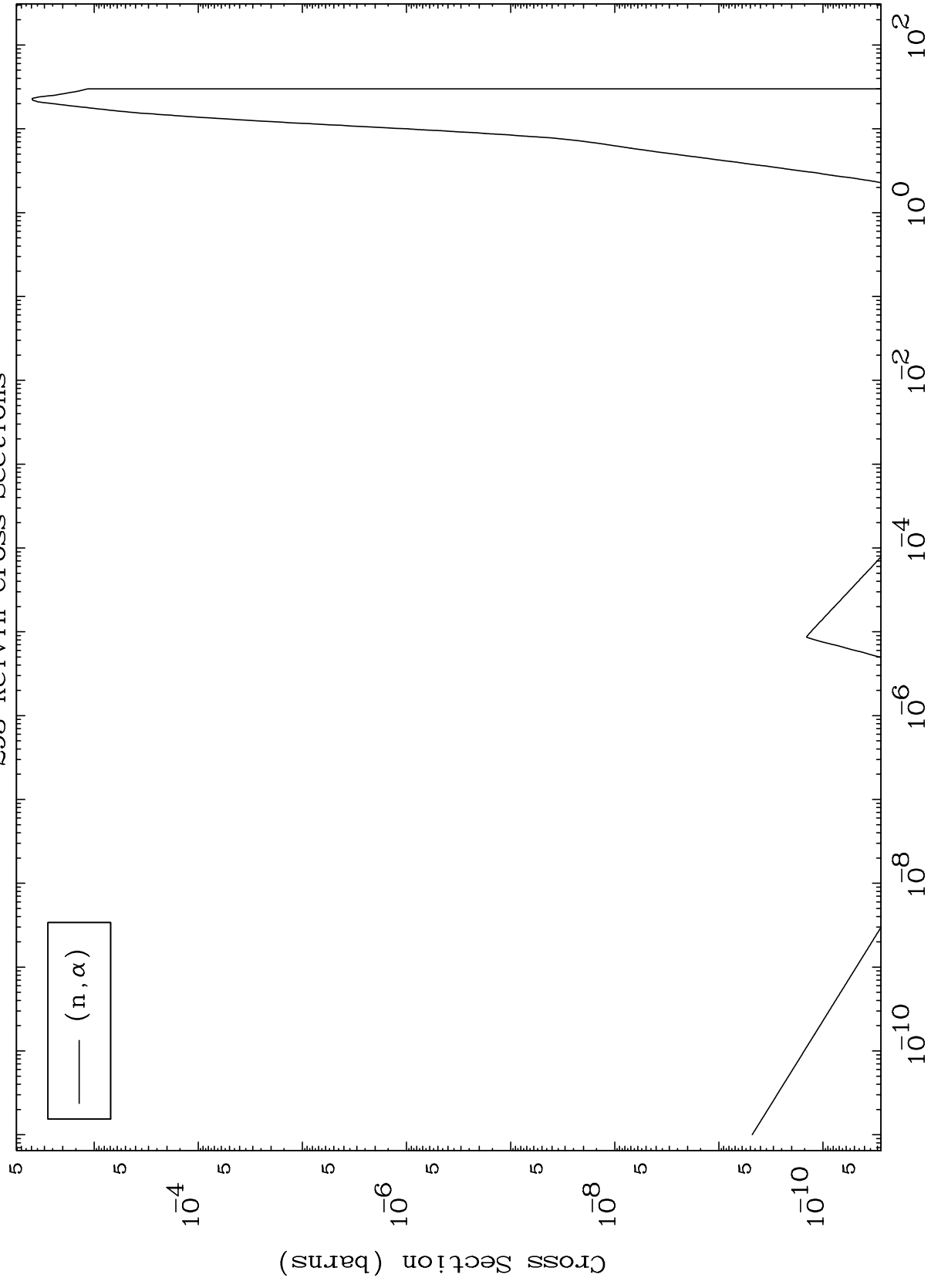
Incident Energy (MeV)

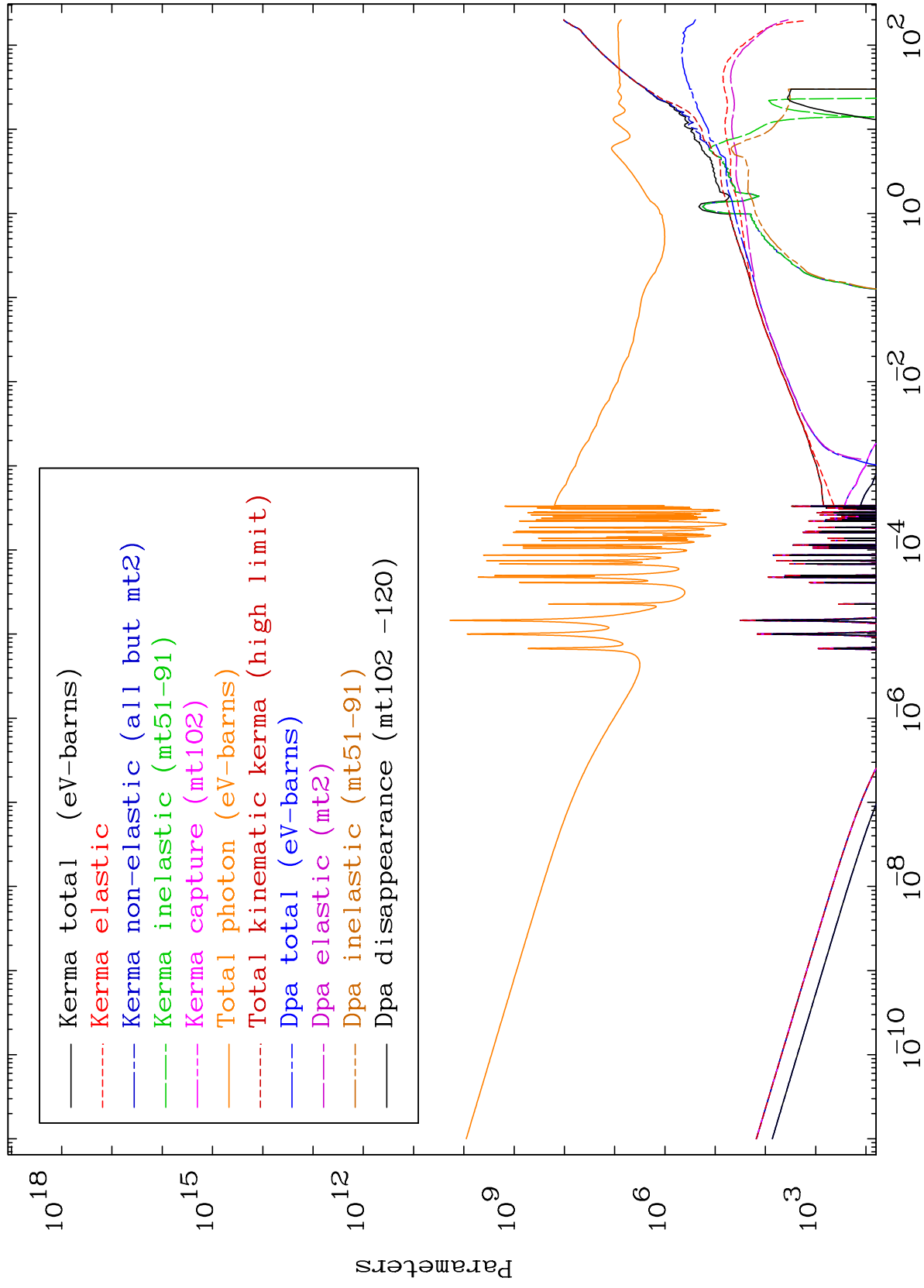
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MAT 7052

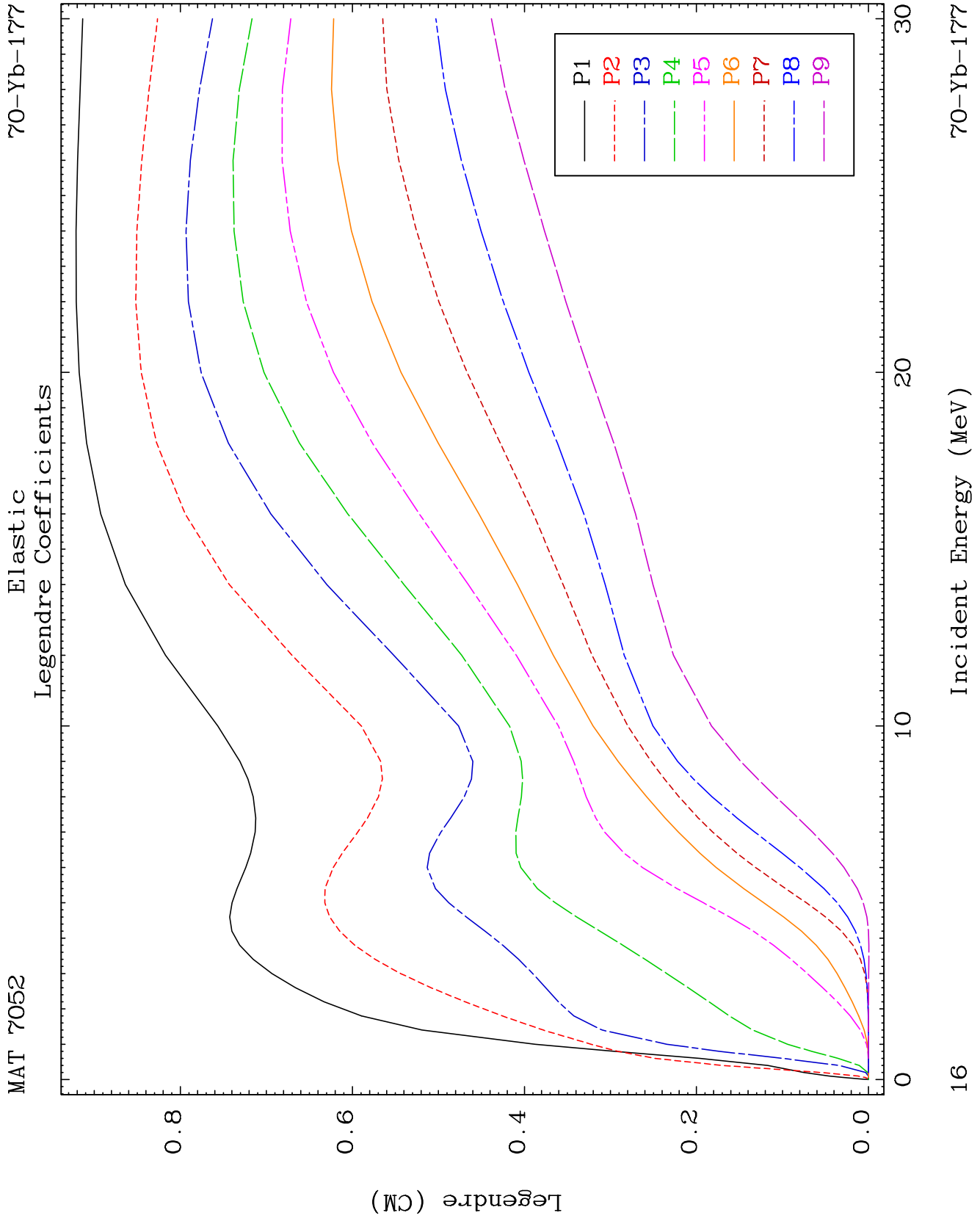
(n,α) Levels  
293 Kelvin Cross Sections

70-Yb-177





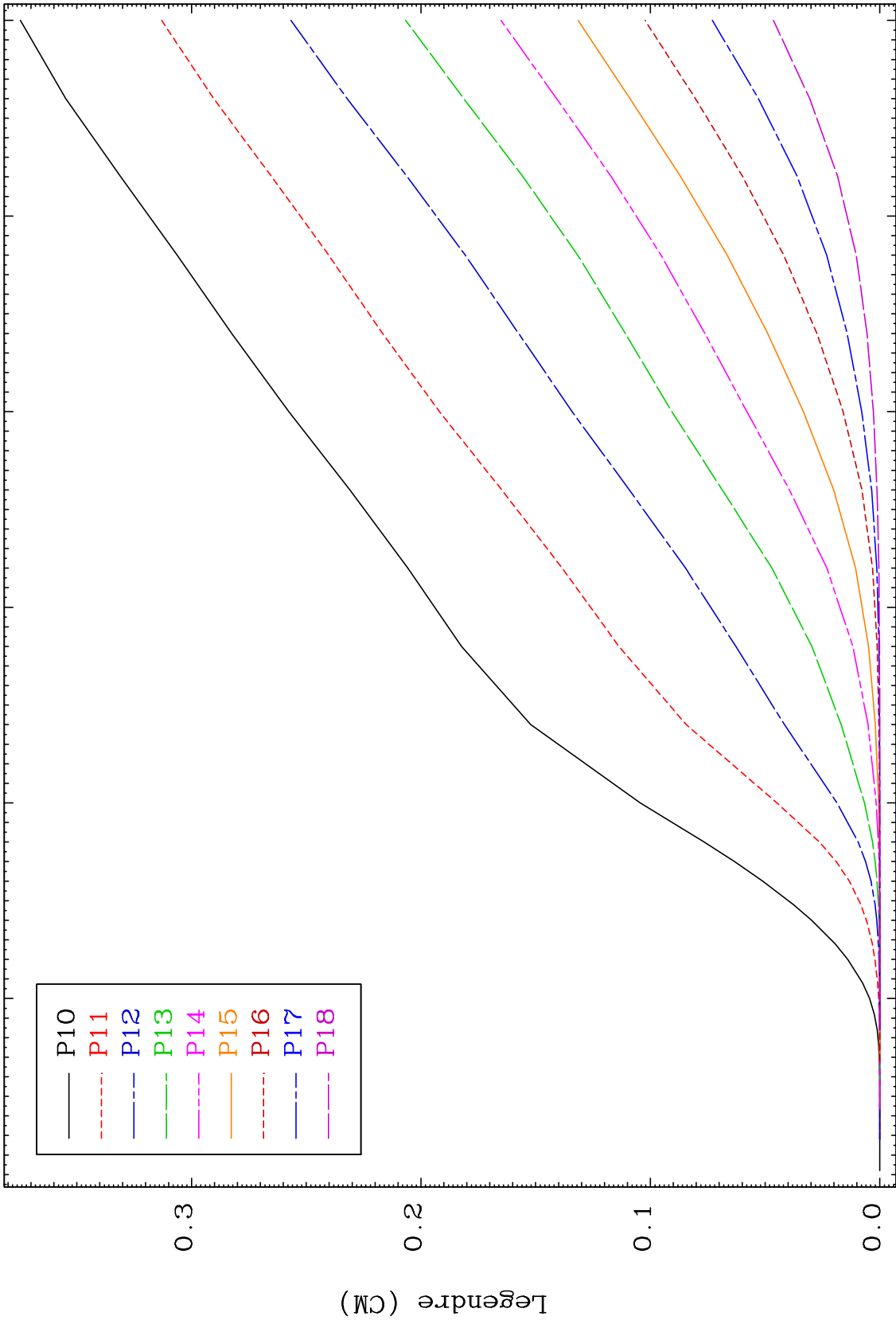




MAT 7052

Elastic Legendre Coefficients

70-Yb-177



17

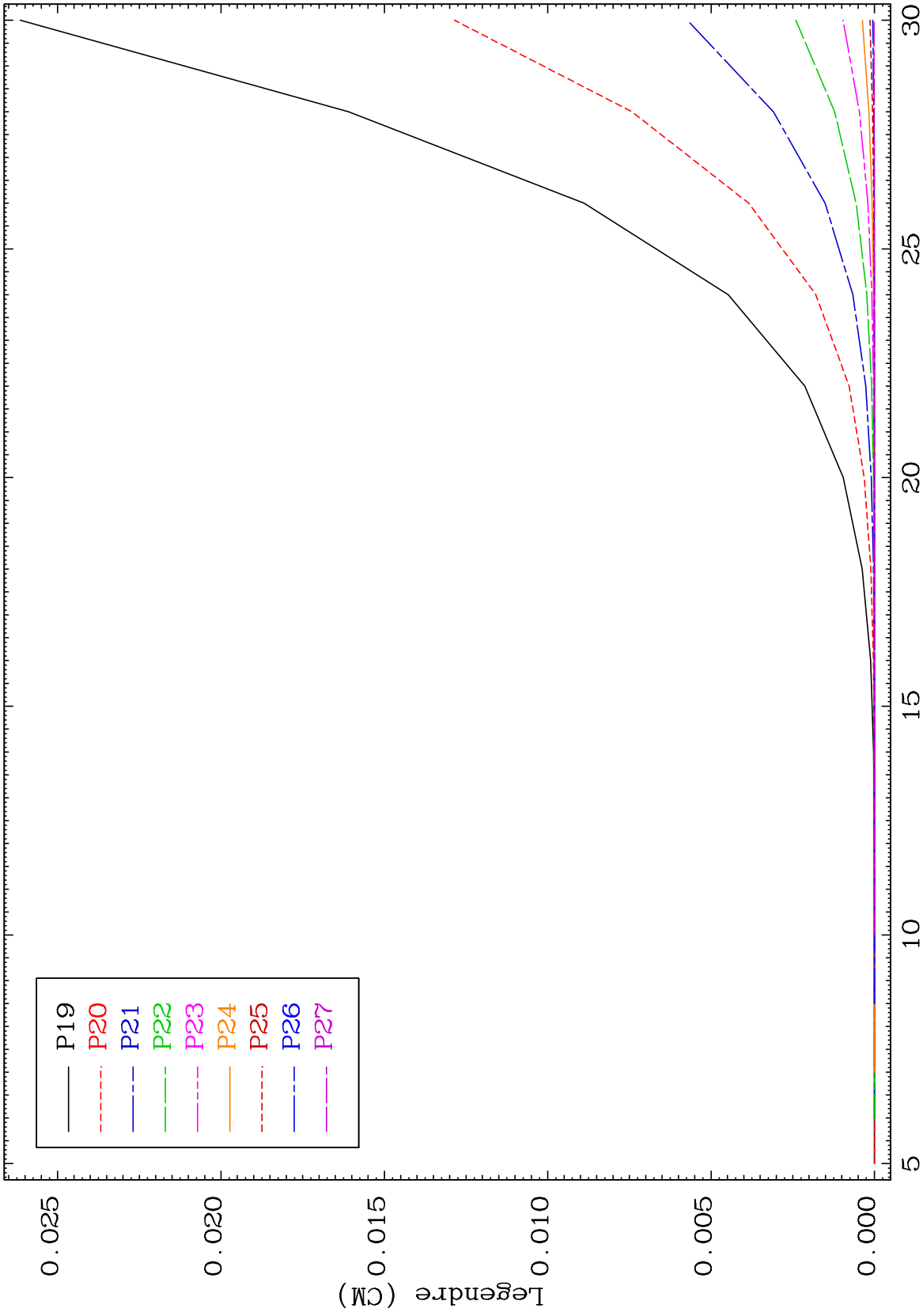
Incident Energy (MeV)

70-Yb-177

MAT 7052

Elastic Legendre Coefficients

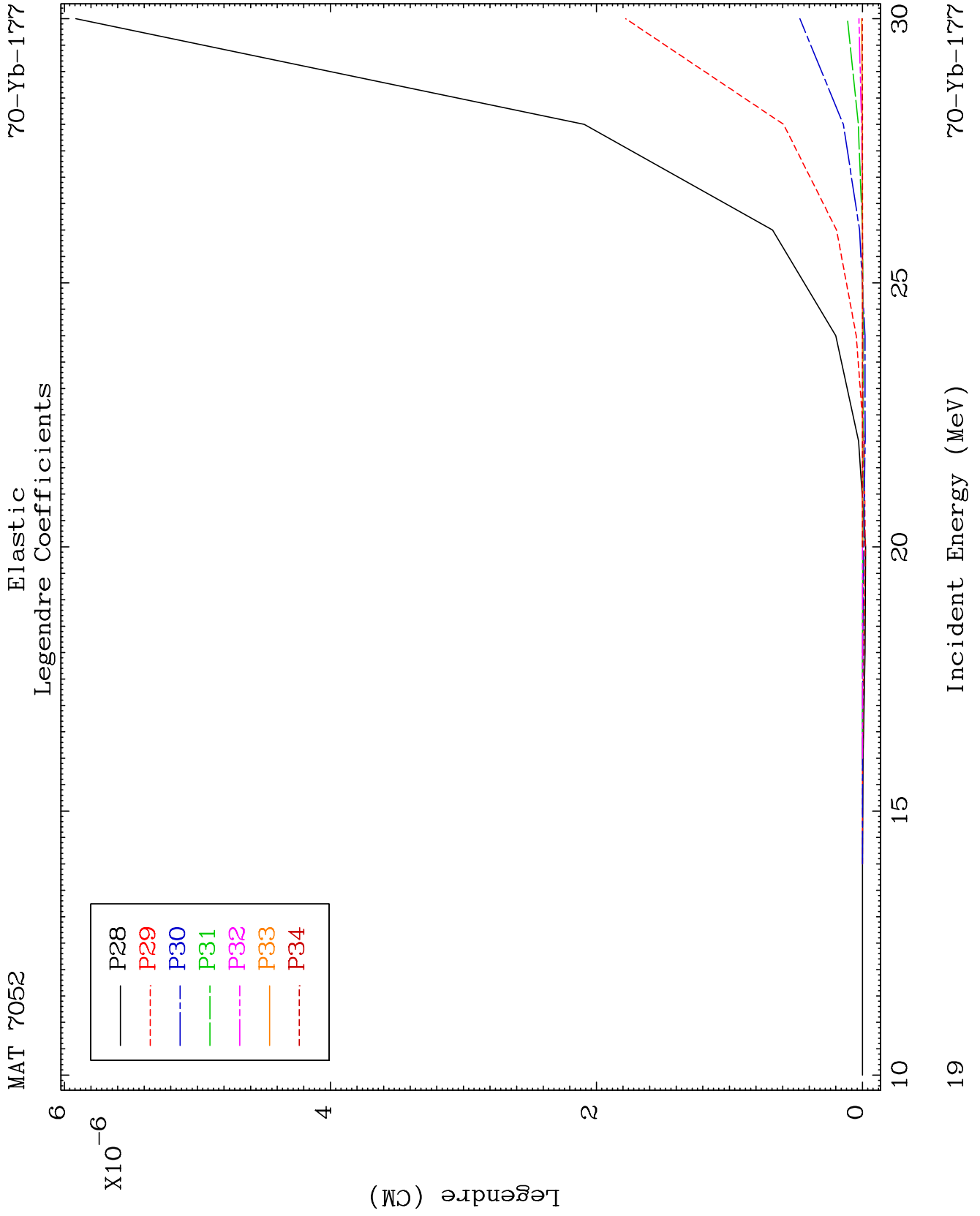
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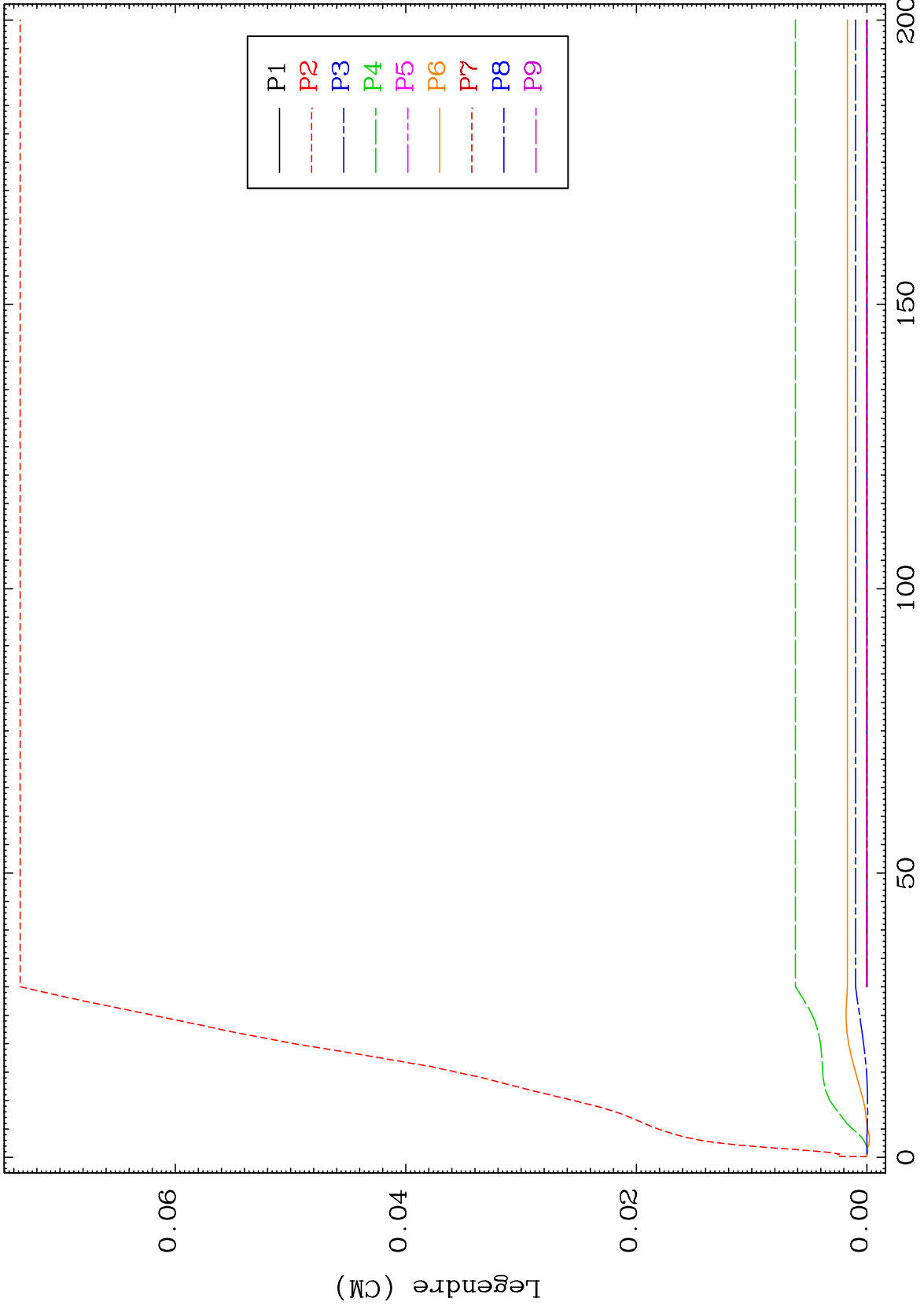
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Incident Energy (MeV)

70-Yb-177



MAT 7052 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-177

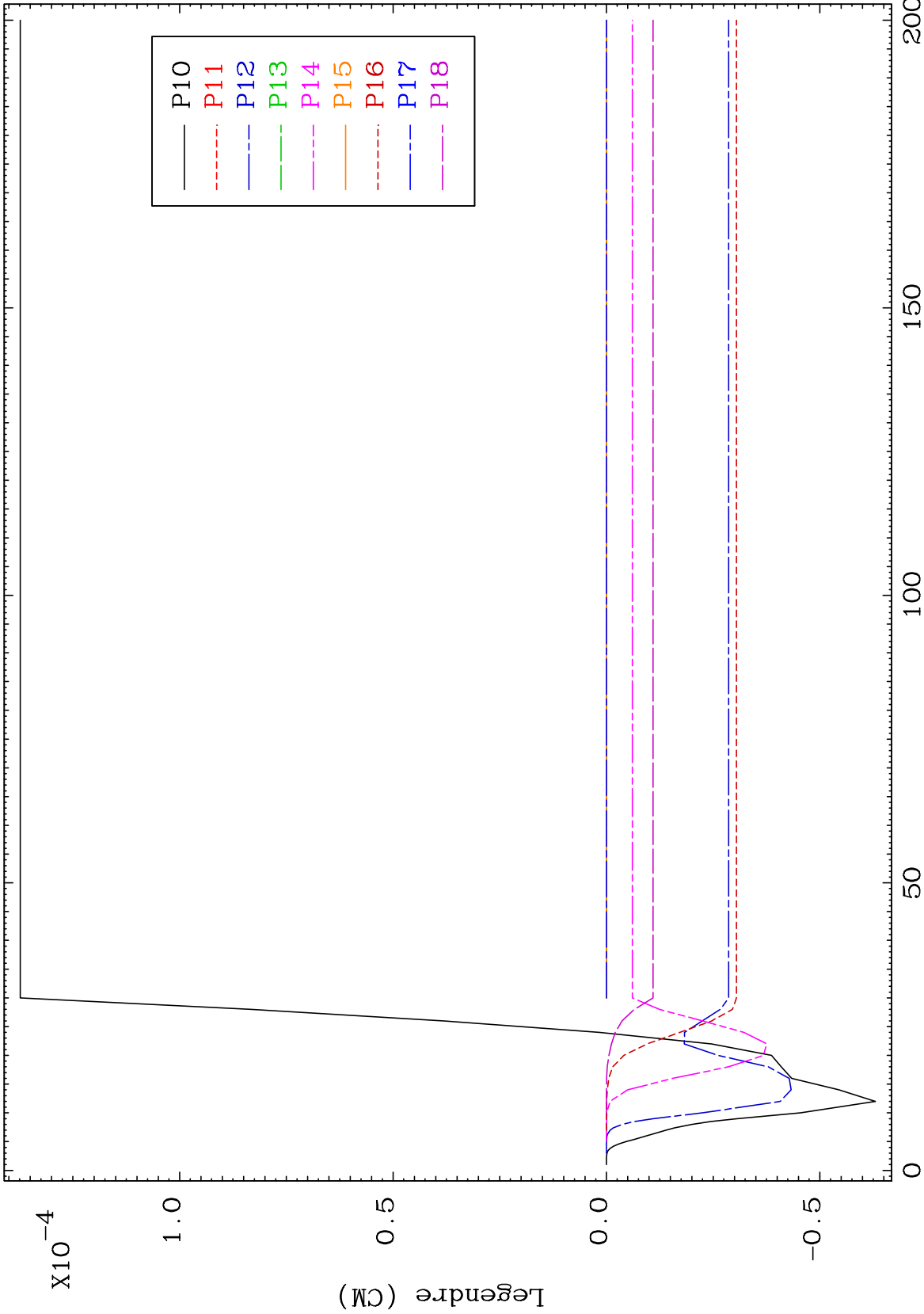


70-Yb-177

MAT 7052

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

70-Yb-177



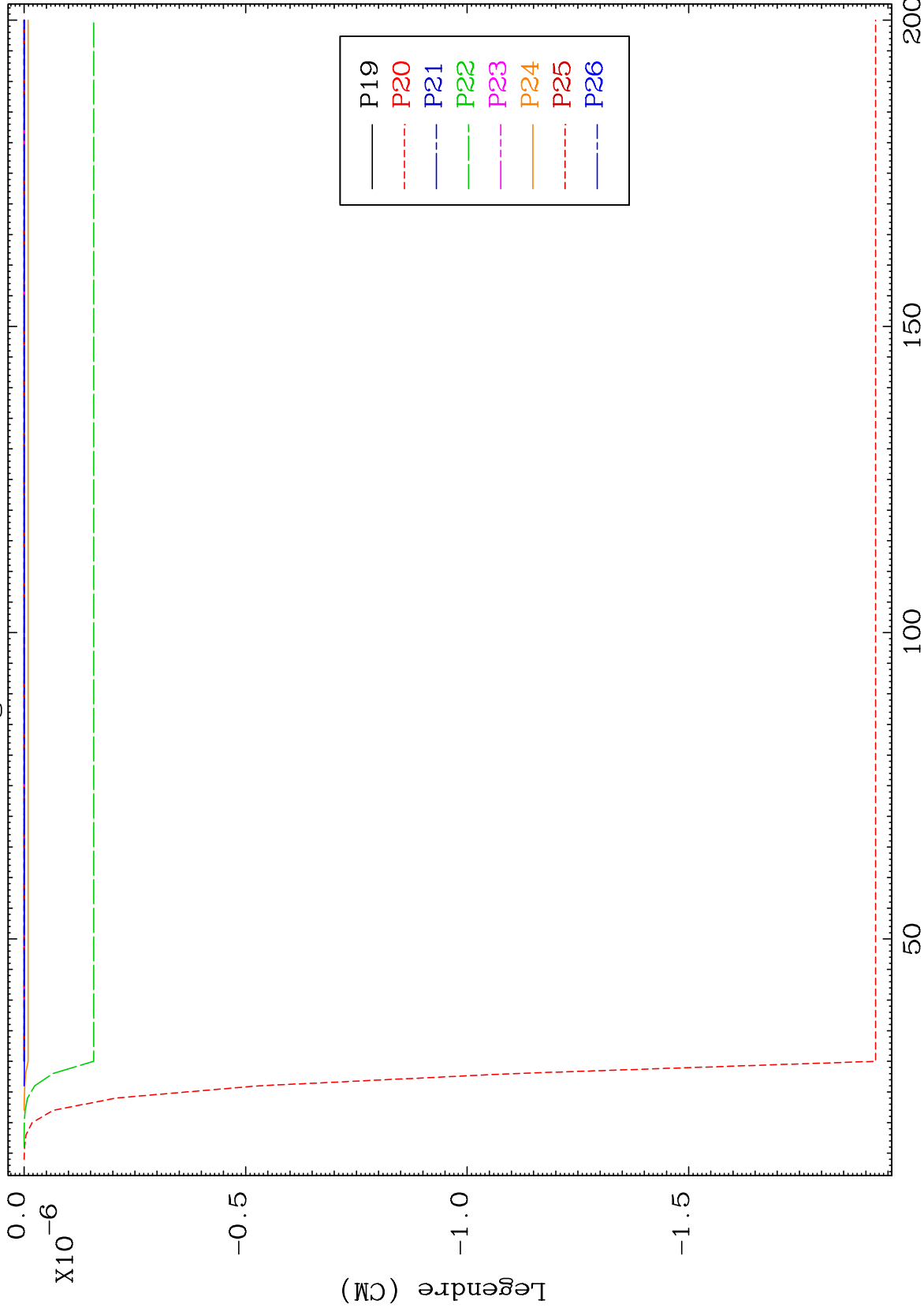
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70-Yb-177

MAT 7052 MT= 51 (n,n') Level

Legendre Coefficients

70-Yb-177



70-Yb-177

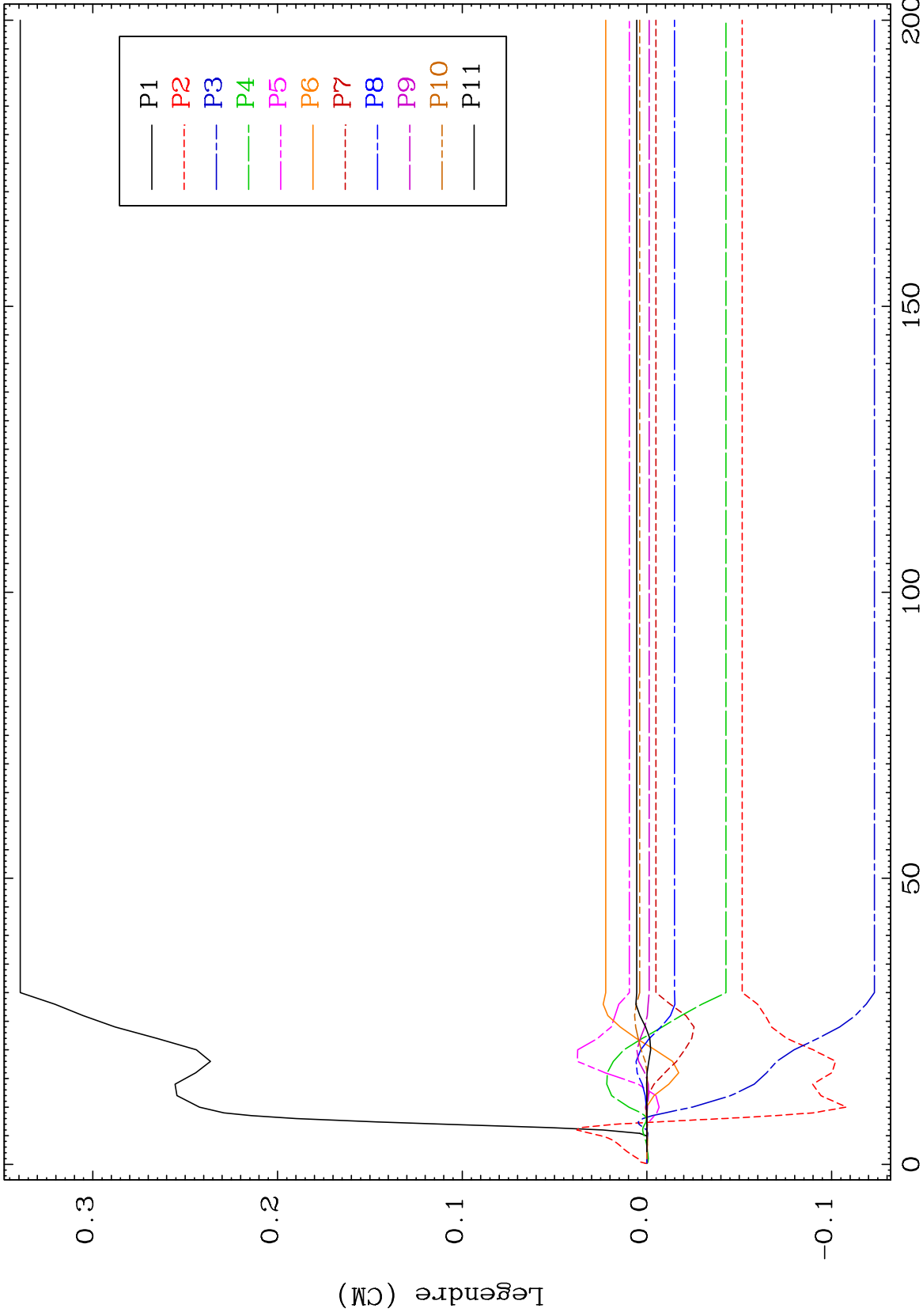
Incident Energy (MeV)

22

MAT 7052

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

70-Yb-177



23

Incident Energy (MeV)

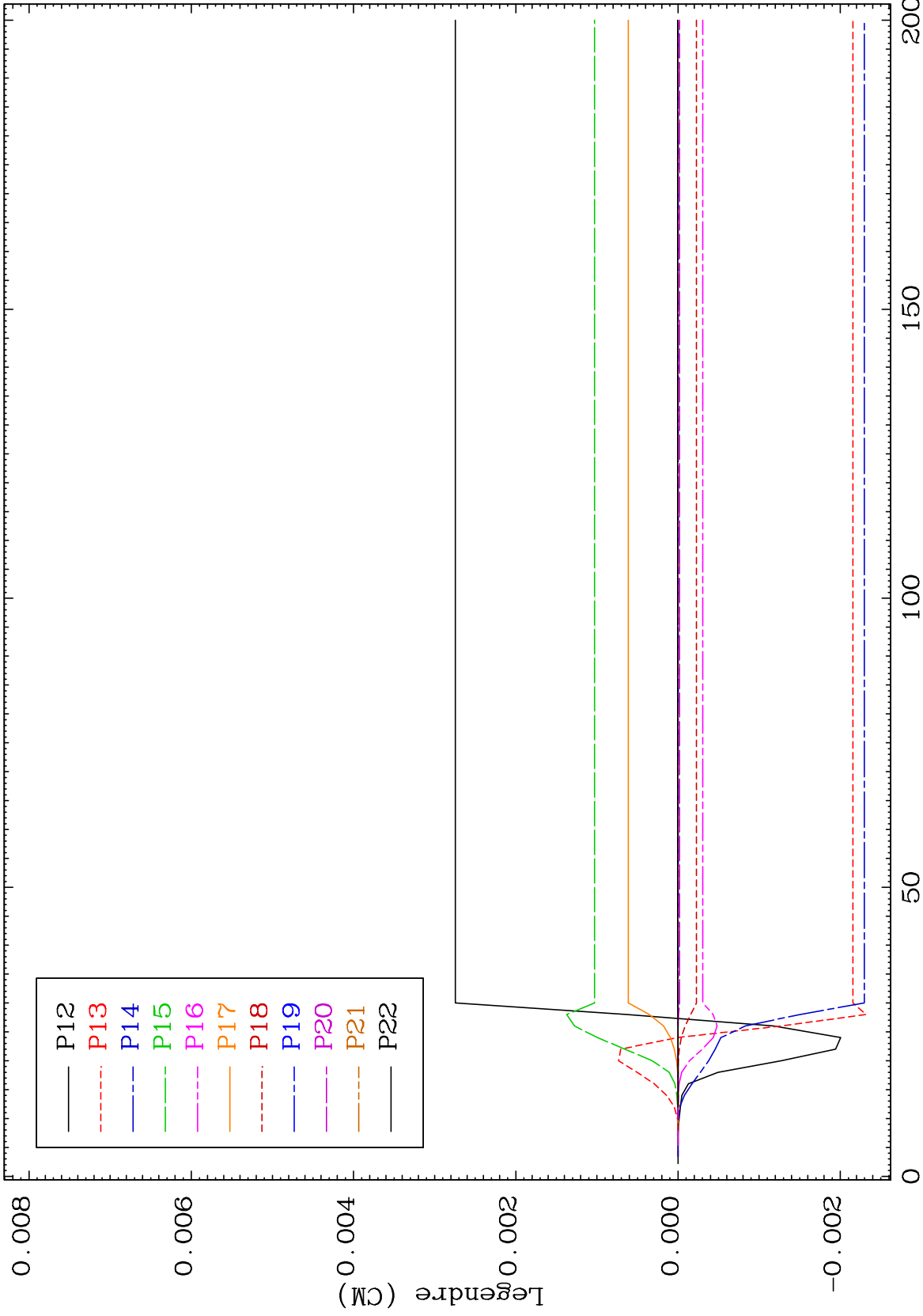
70-Yb-177



MAT 7052

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

70-Yb-177



24

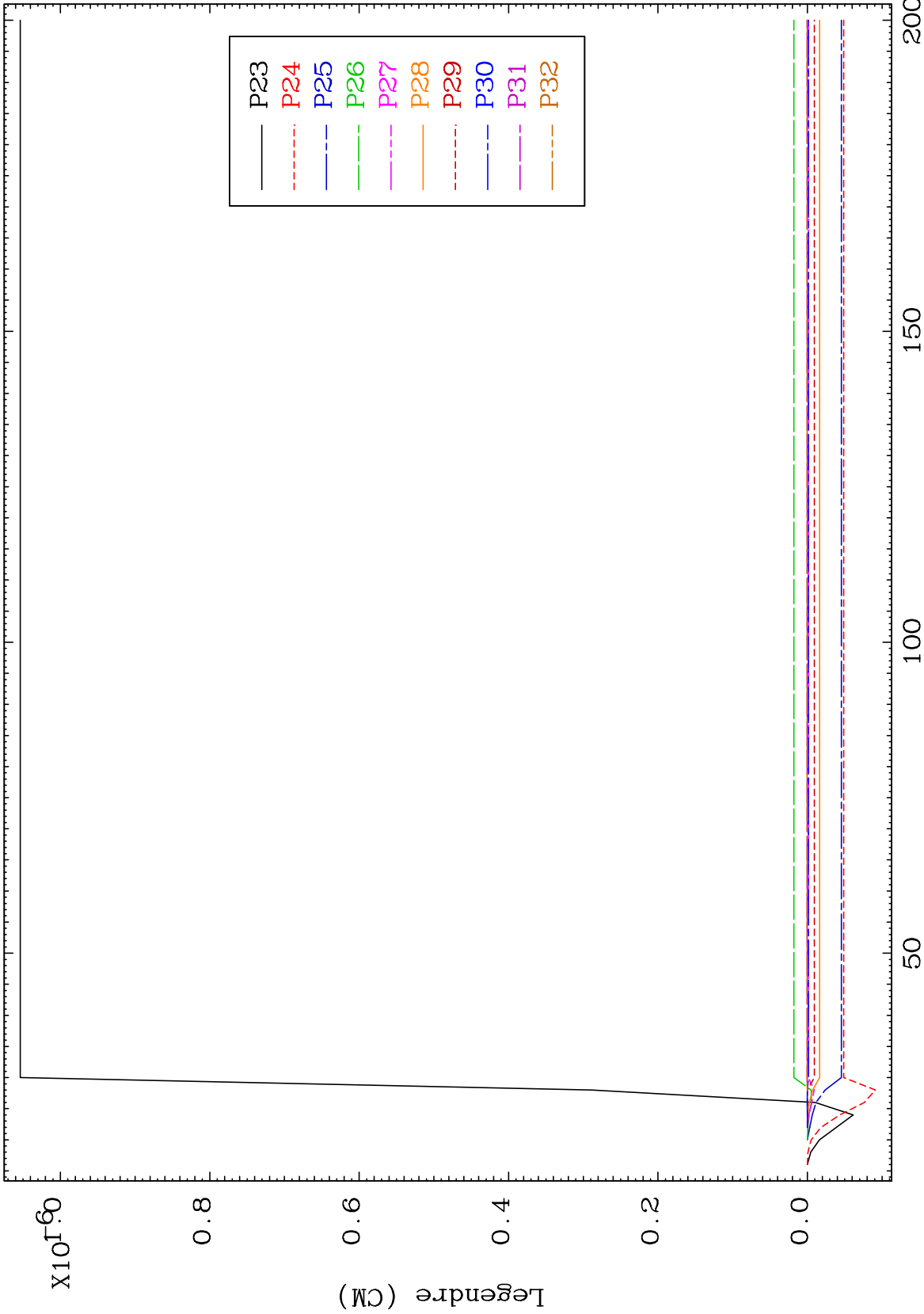
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



25

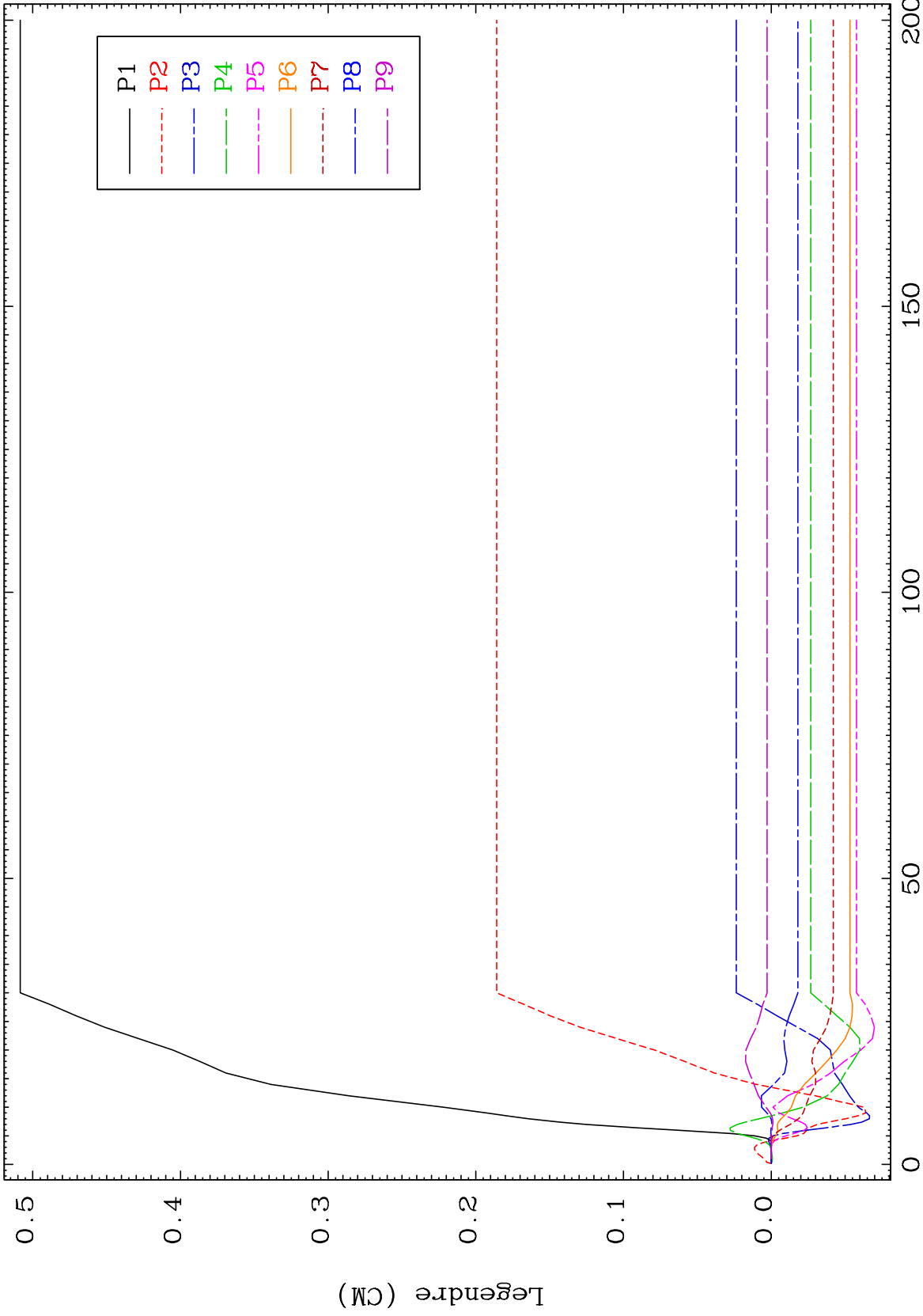
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



26

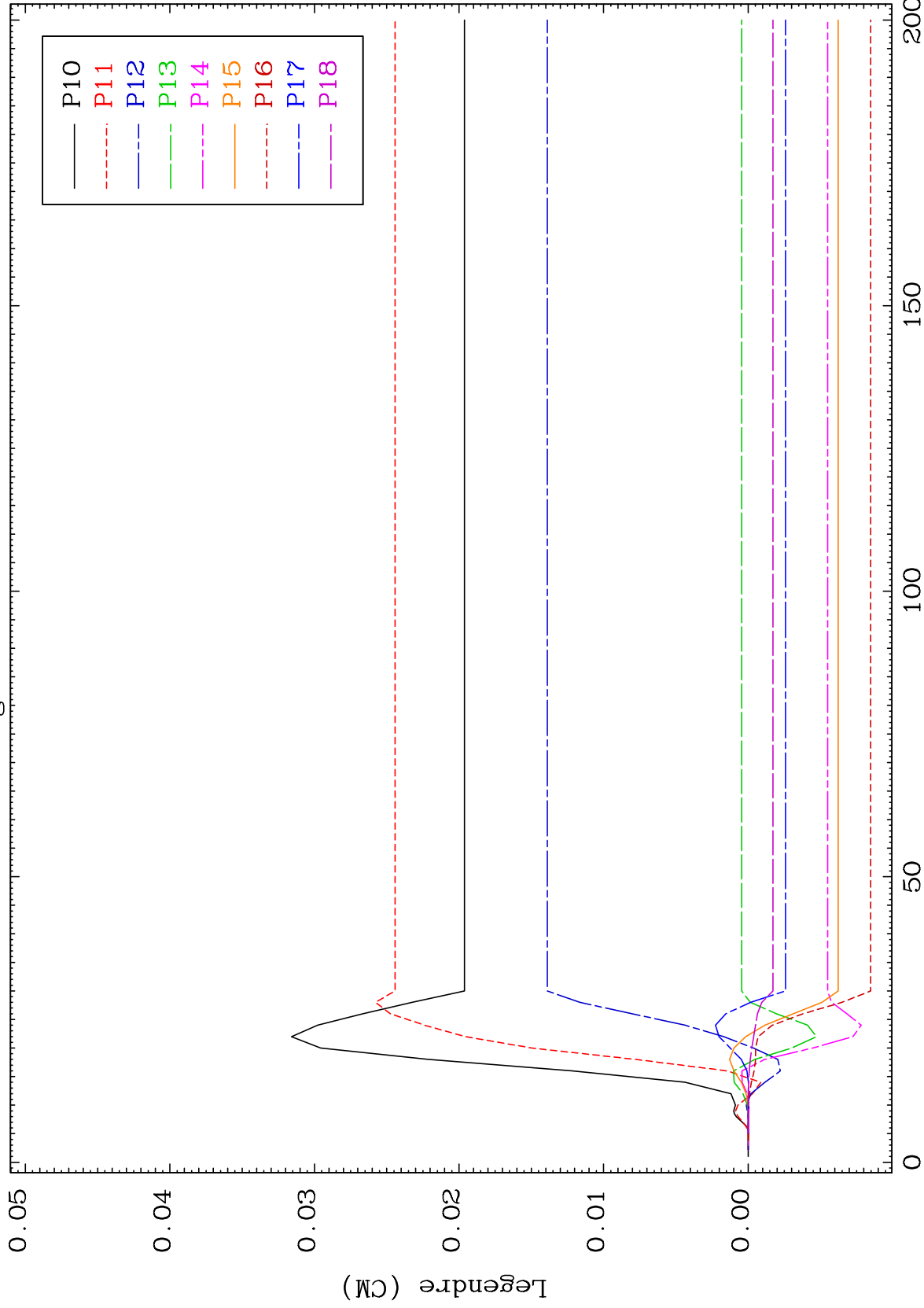
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



27

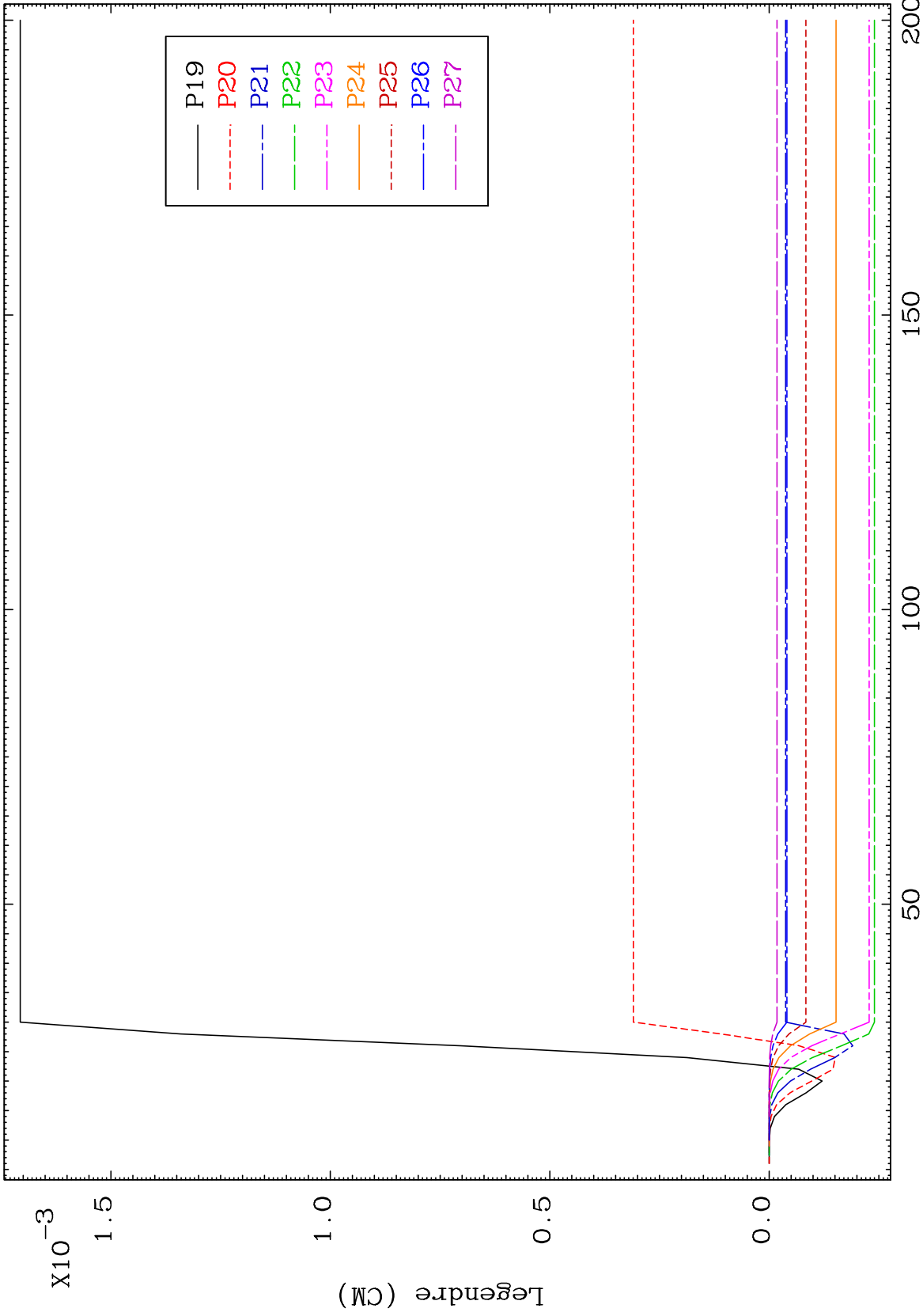
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



28

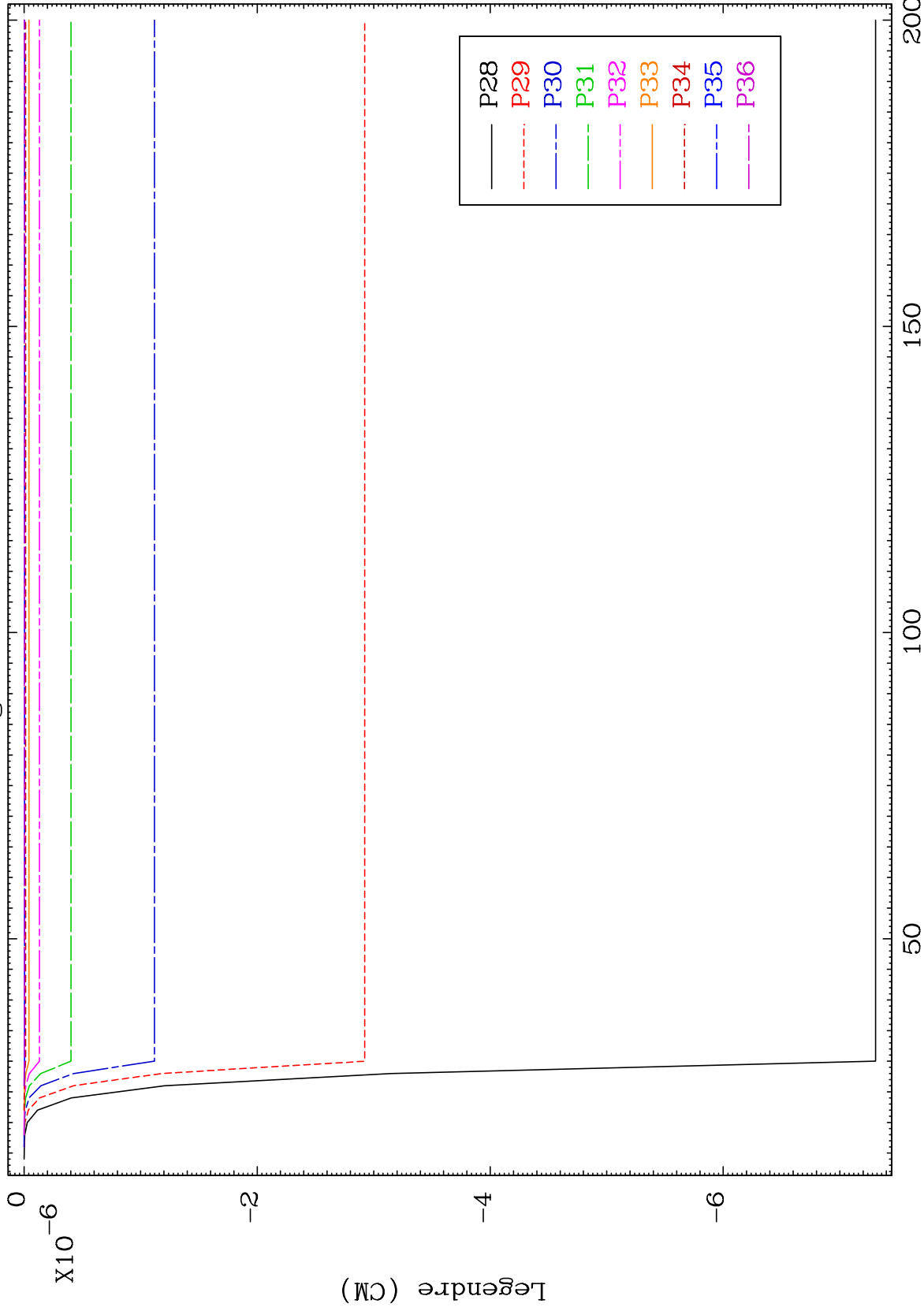
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177

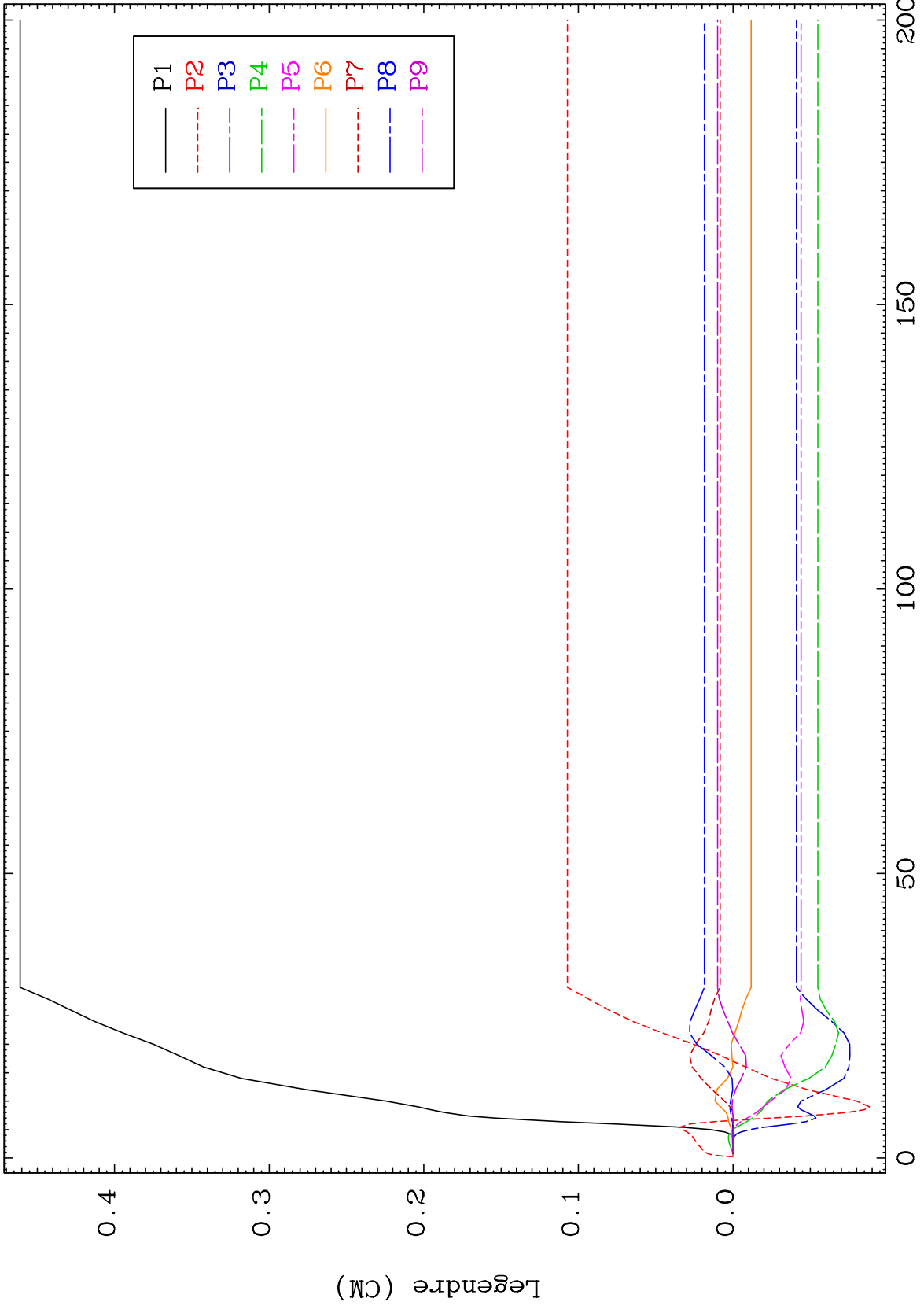


70-Yb-177

Incident Energy (MeV)

29

MAT 7052 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-177

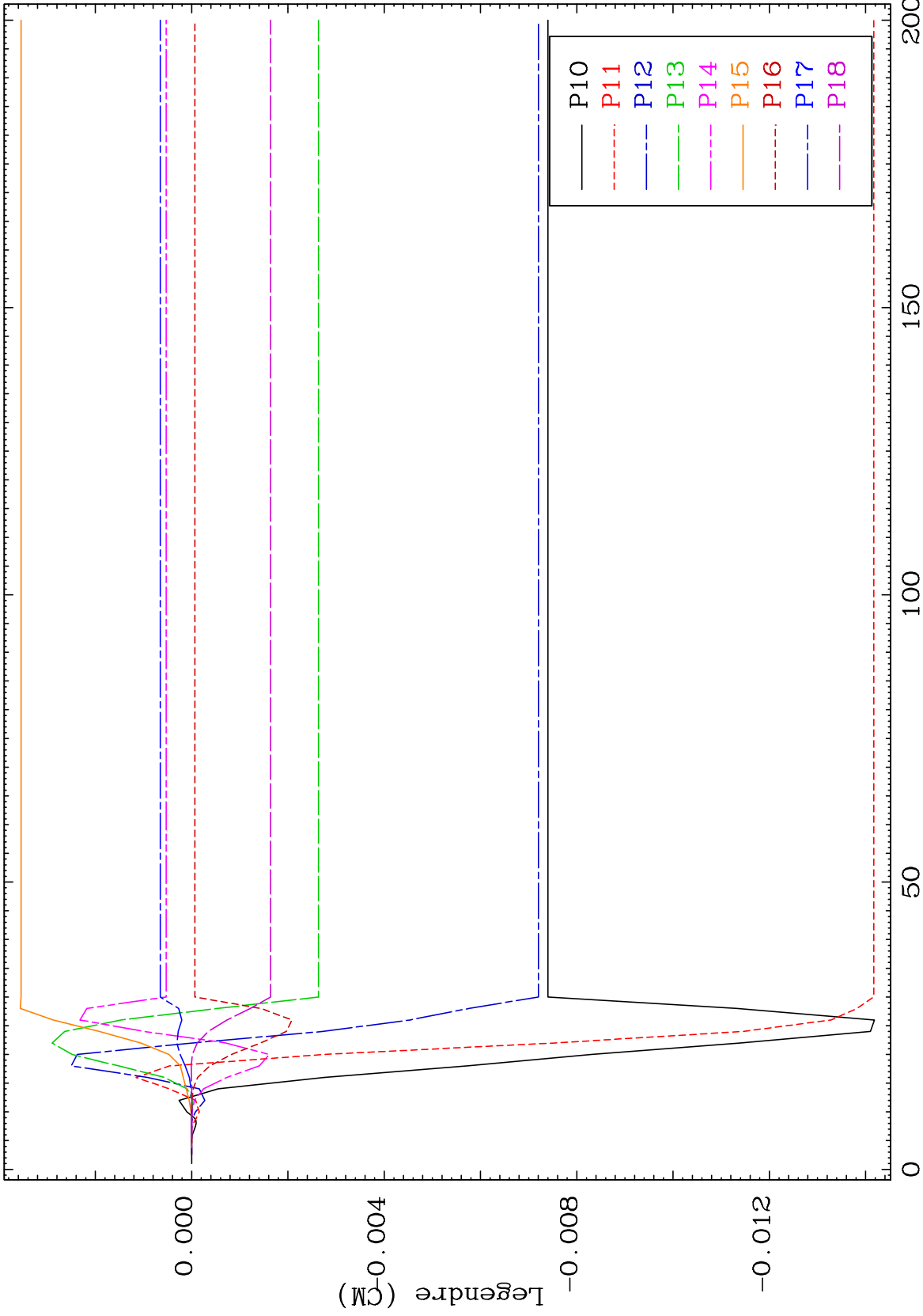


30 Incident Energy (MeV) 70-Yb-177

MAT 7052

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

70-Yb-177



31

Incident Energy (MeV)

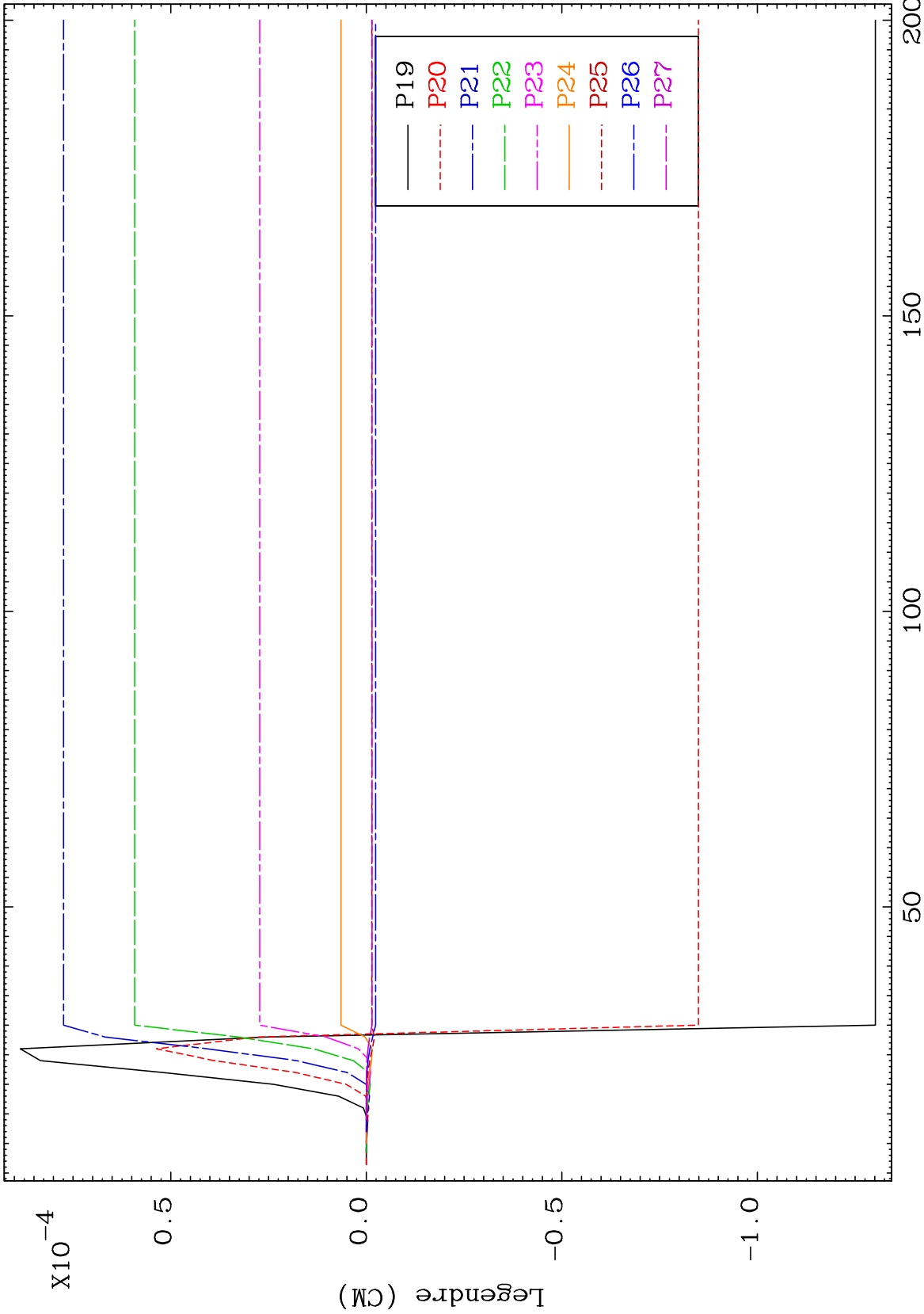
70-Yb-177



MAT 7052

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

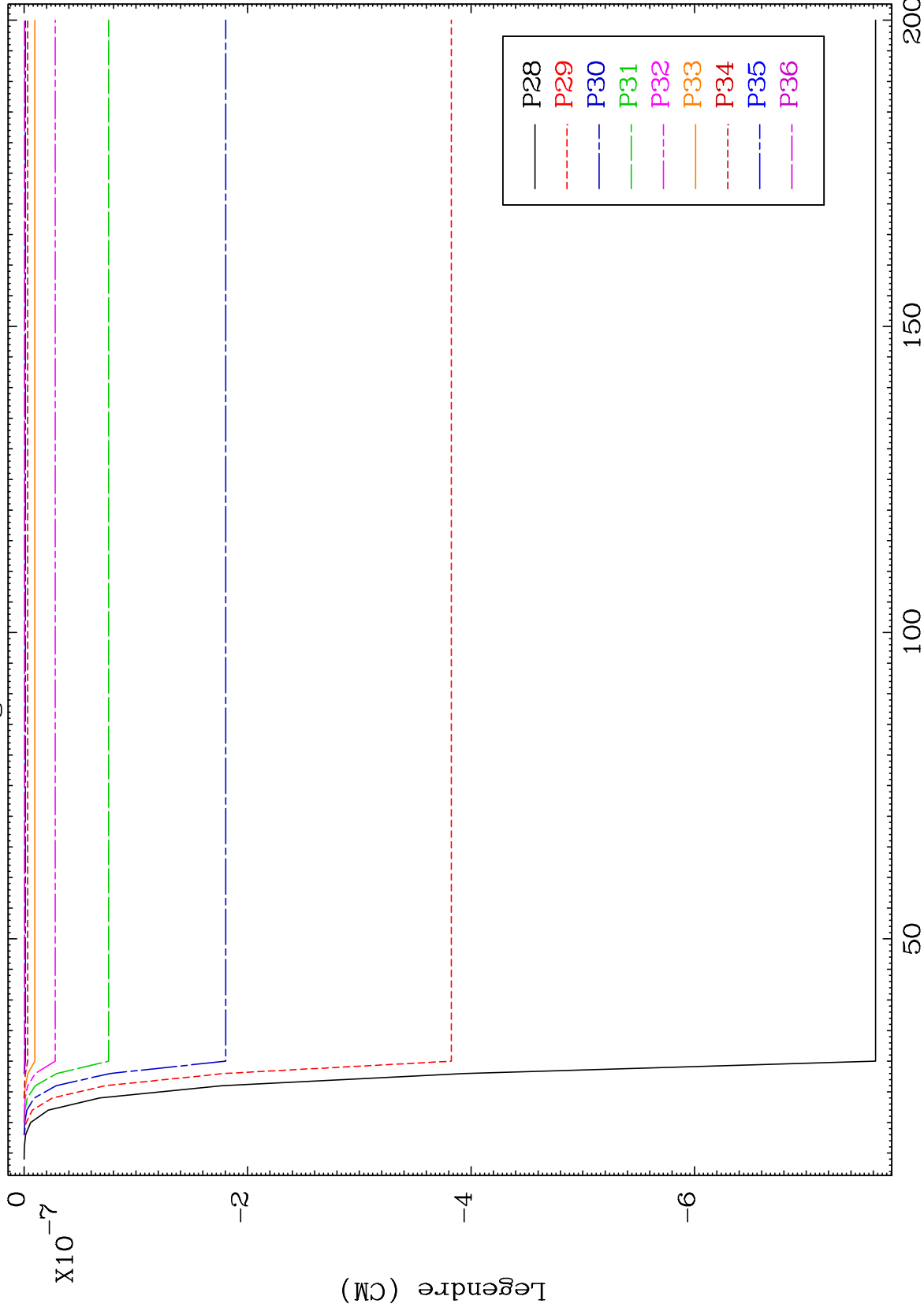
70-Yb-177



MAT 7052

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

70-Yb-177

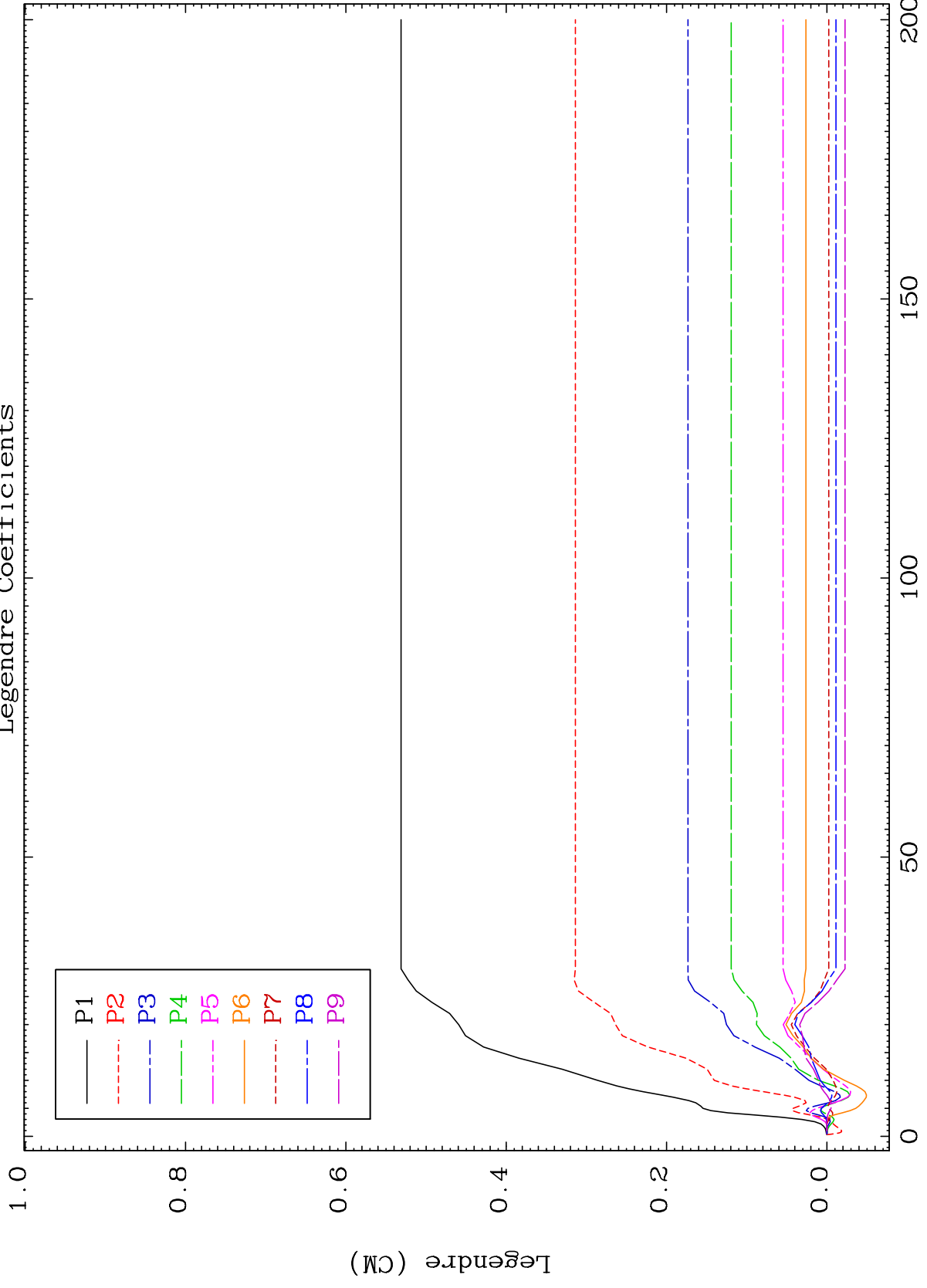


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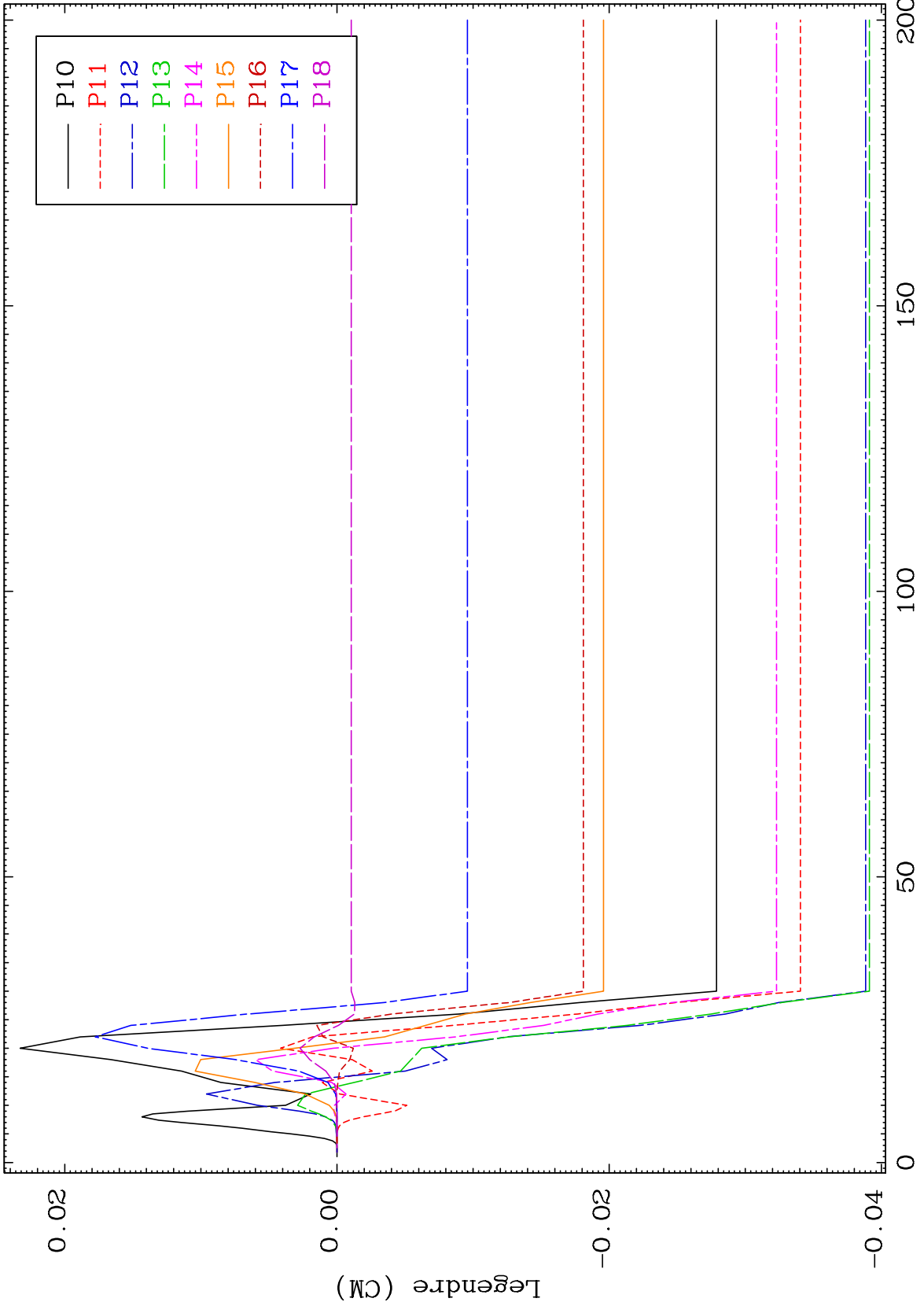
Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-177



MAT 7052 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-177

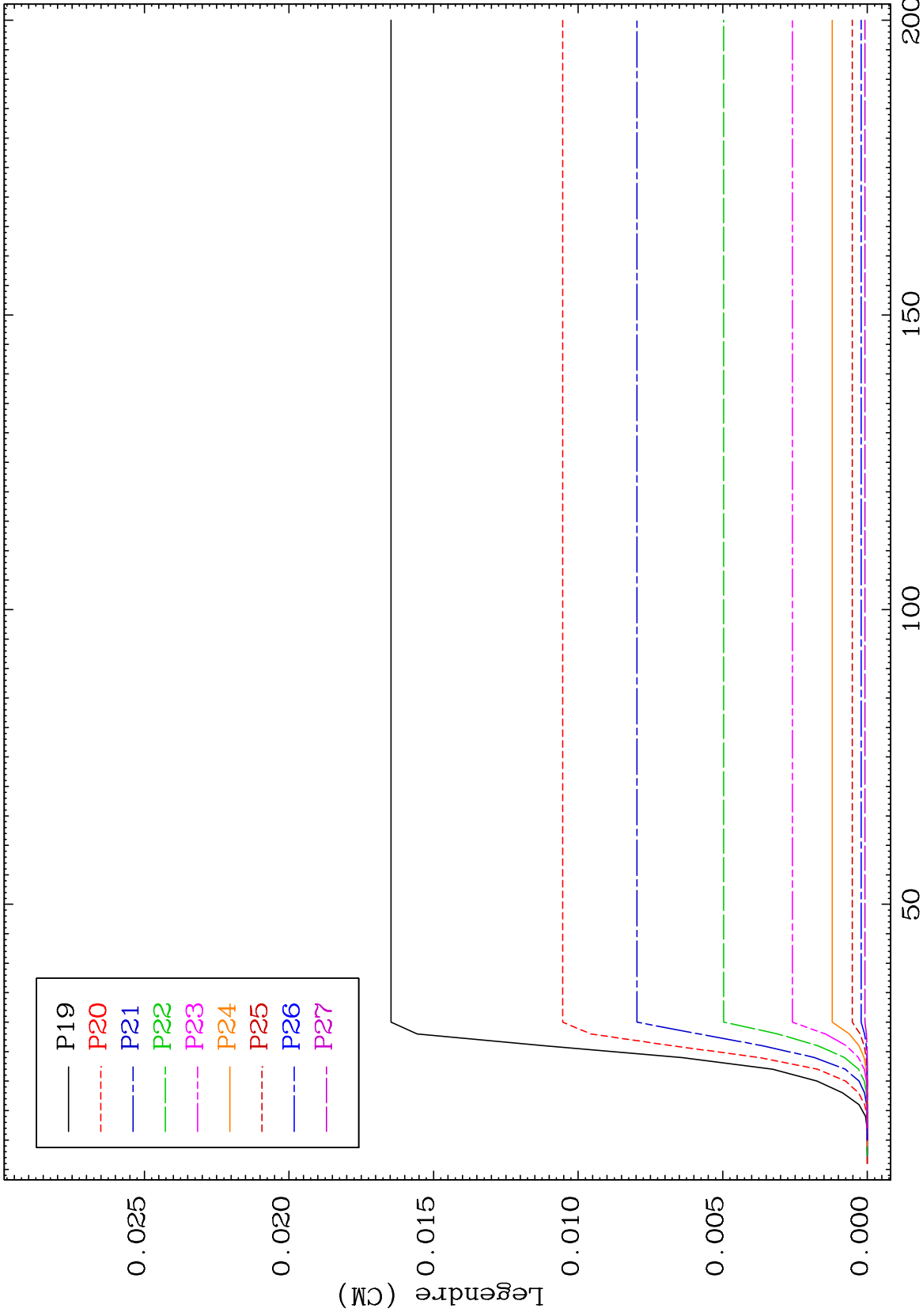


35 Incident Energy (MeV) 70-Yb-177

MAT 7052

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

70-Yb-177



36

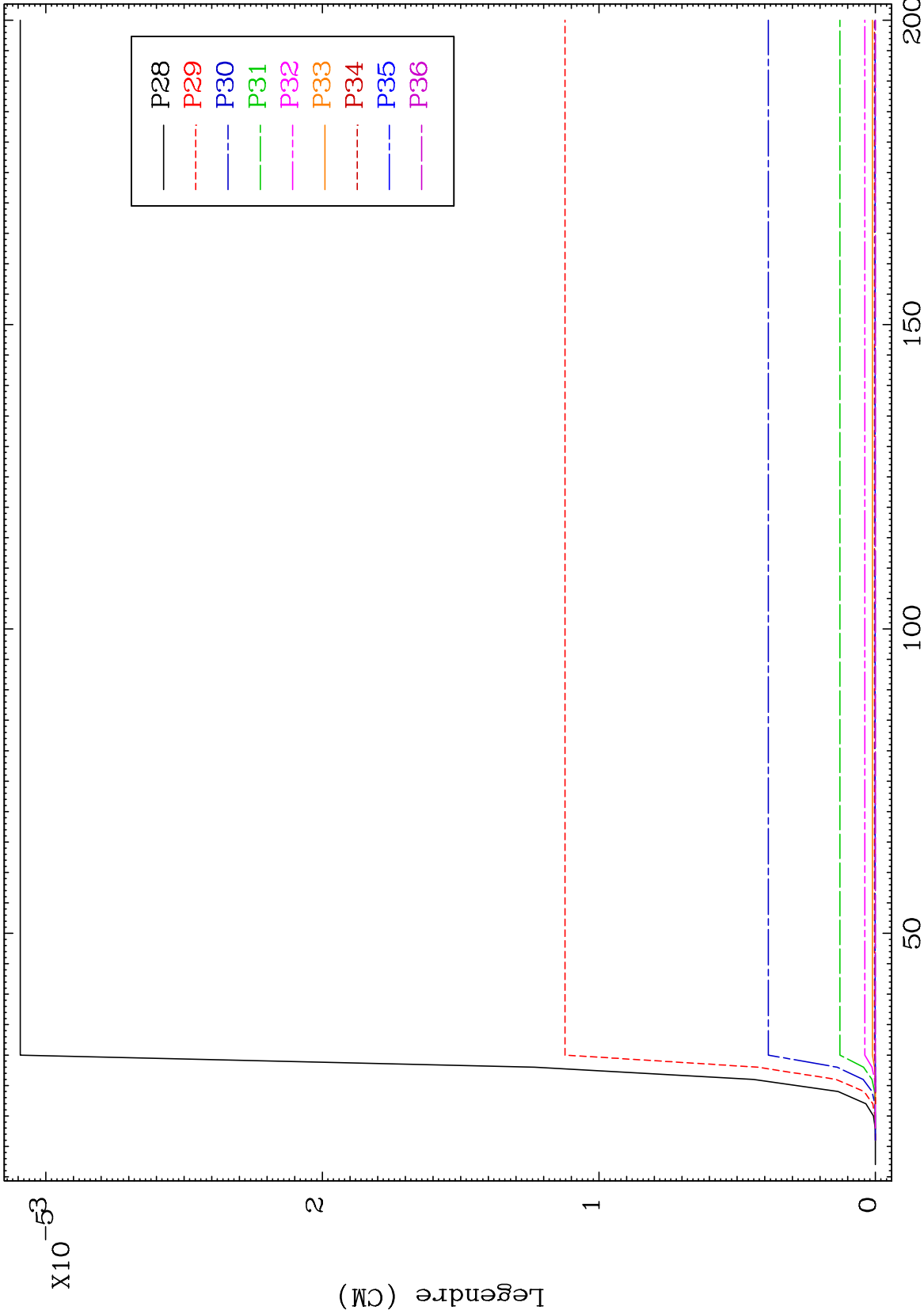
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



37

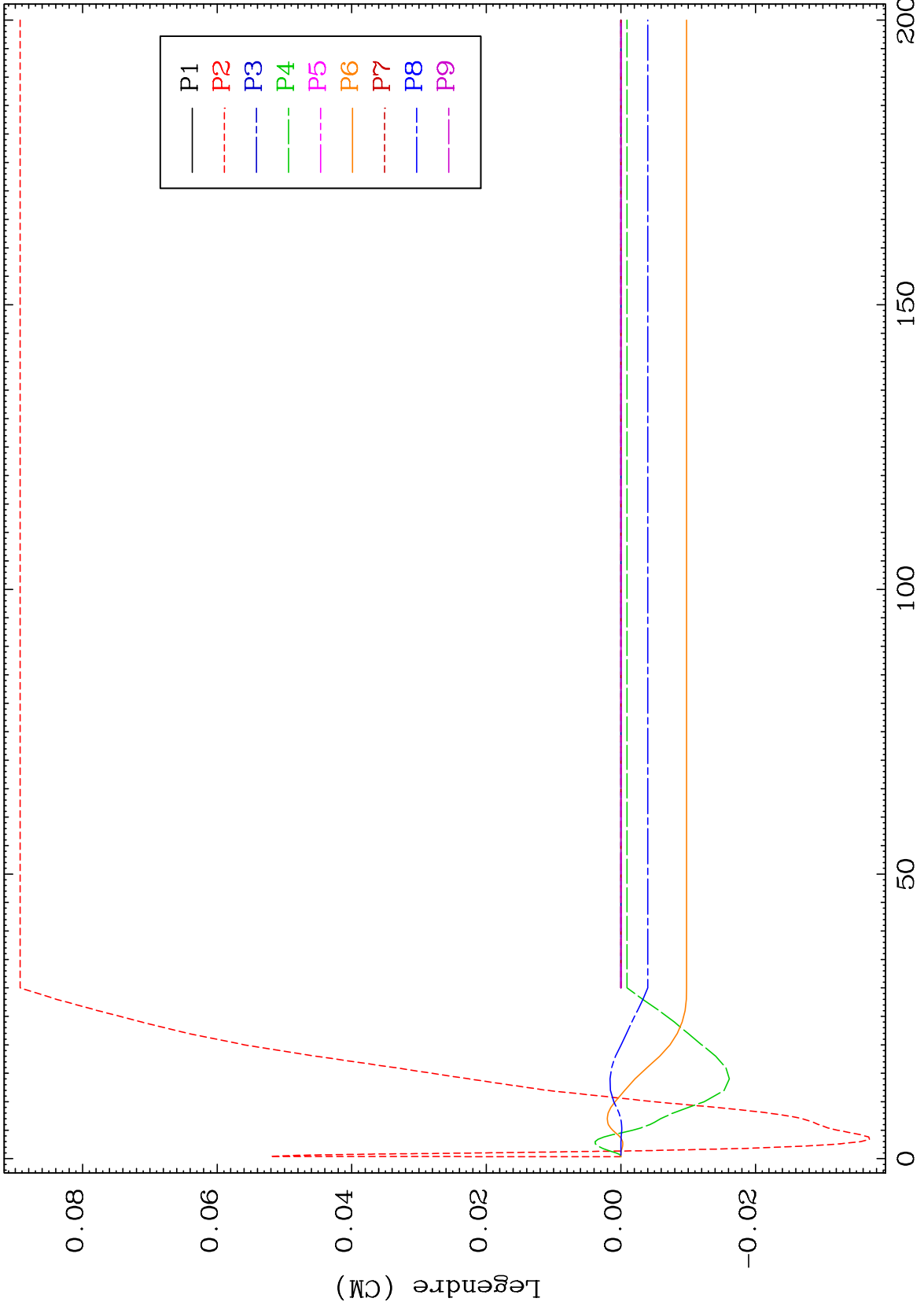
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



38

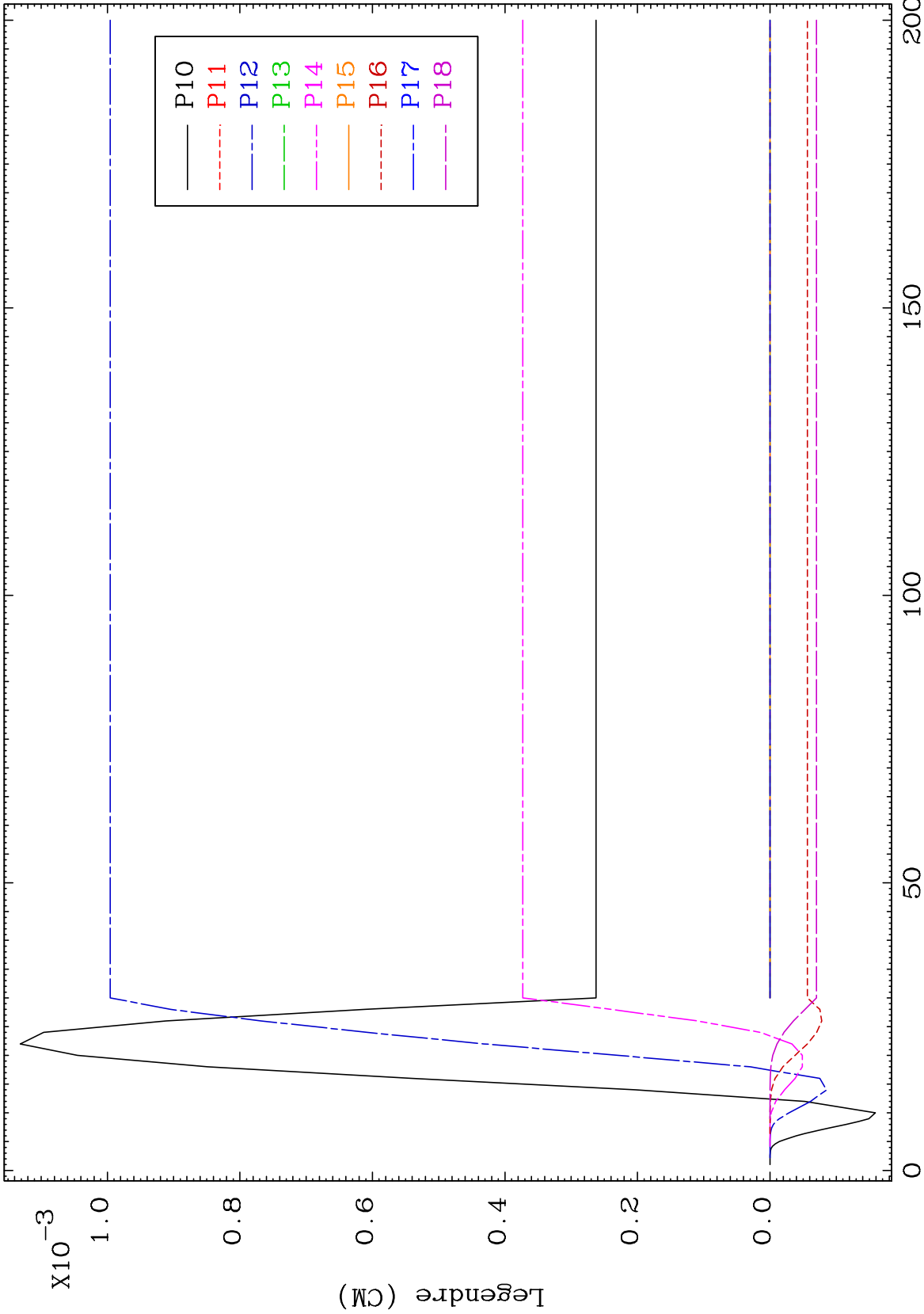
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



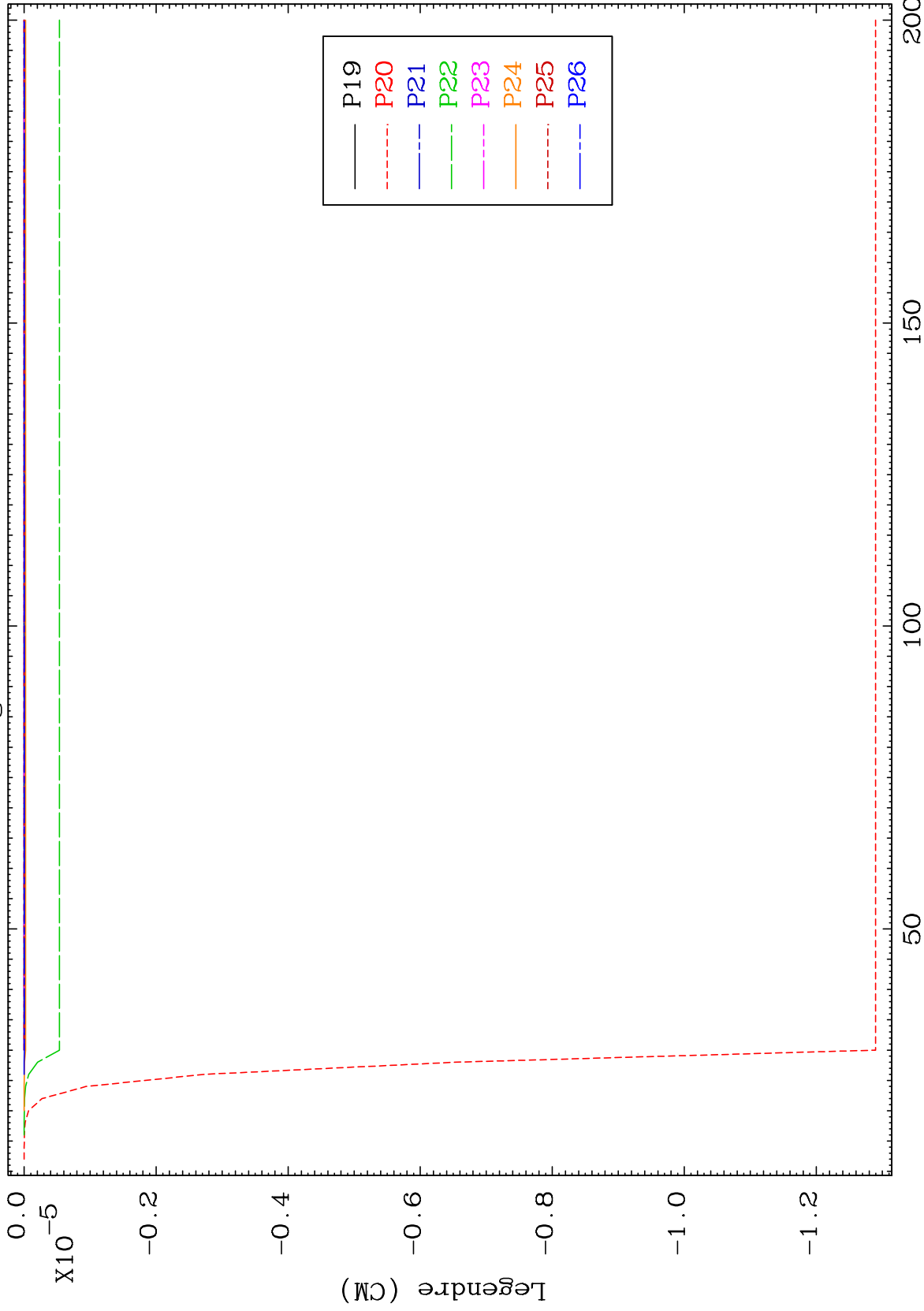
39

70-Yb-177



MAT 7052 MT= 56 (n,n') Level 70-Yb-177

Legendre Coefficients



70-Yb-177

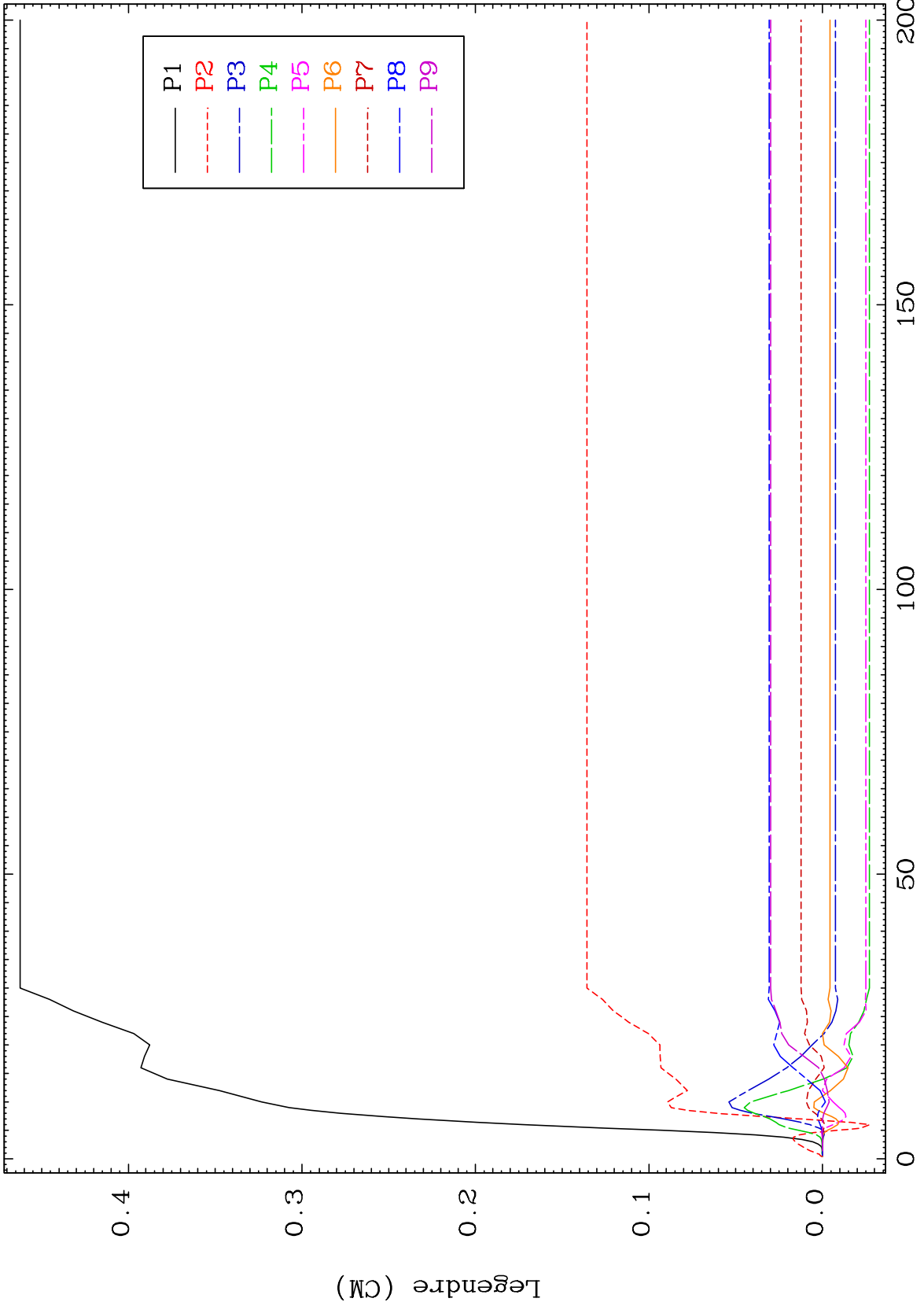
Incident Energy (MeV)

40

MAT 7052

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

70-Yb-177



41

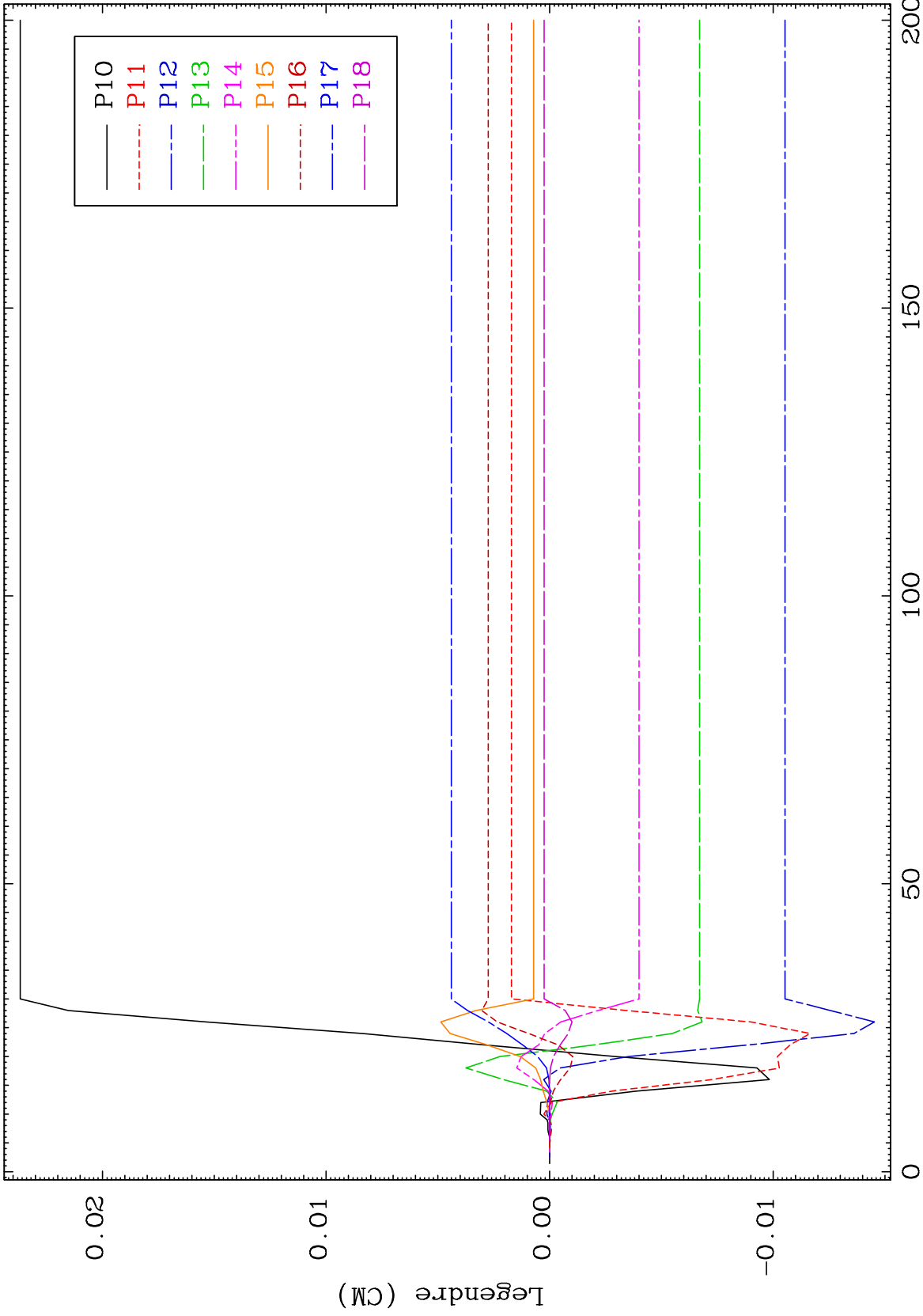
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



42

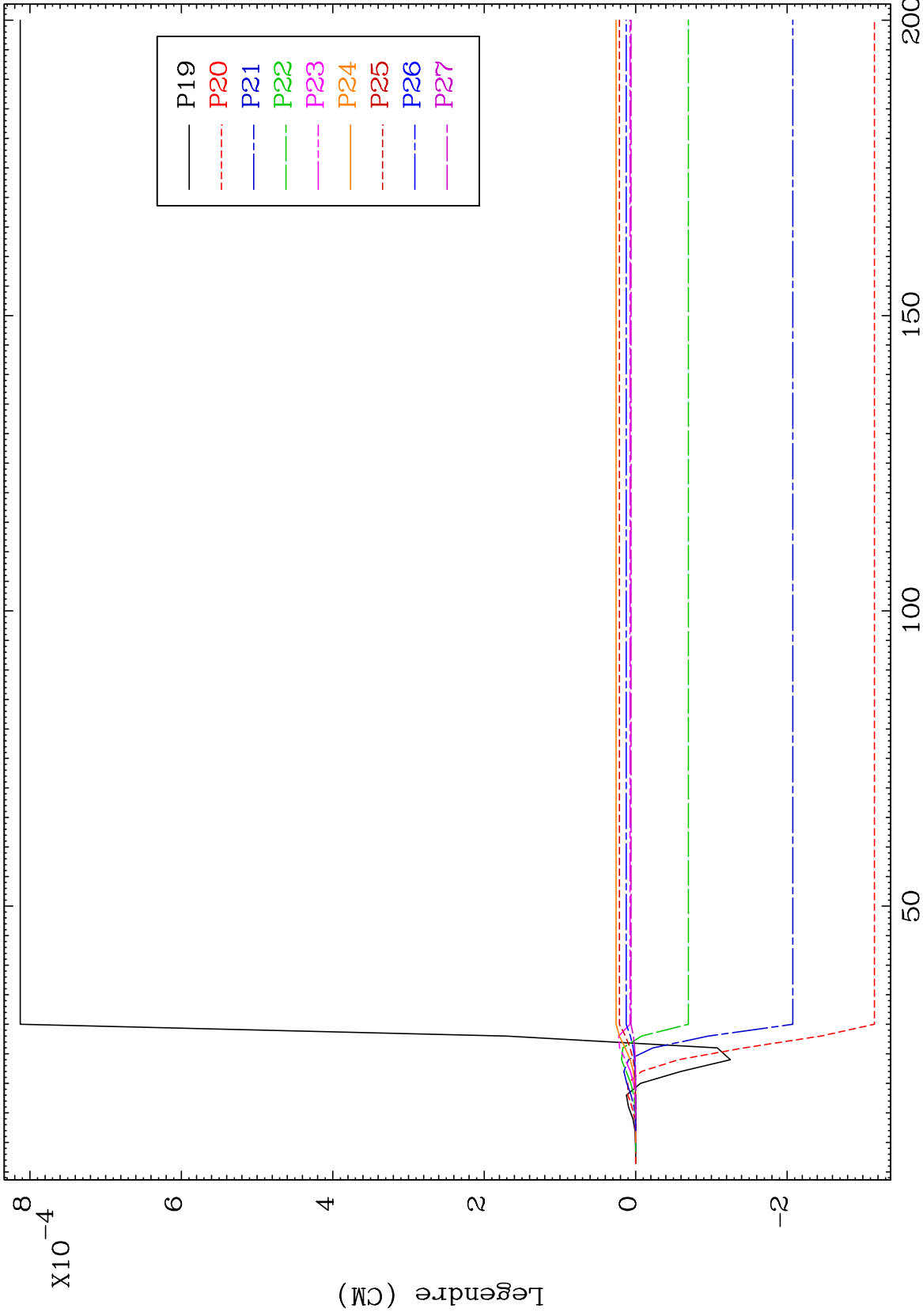
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



43

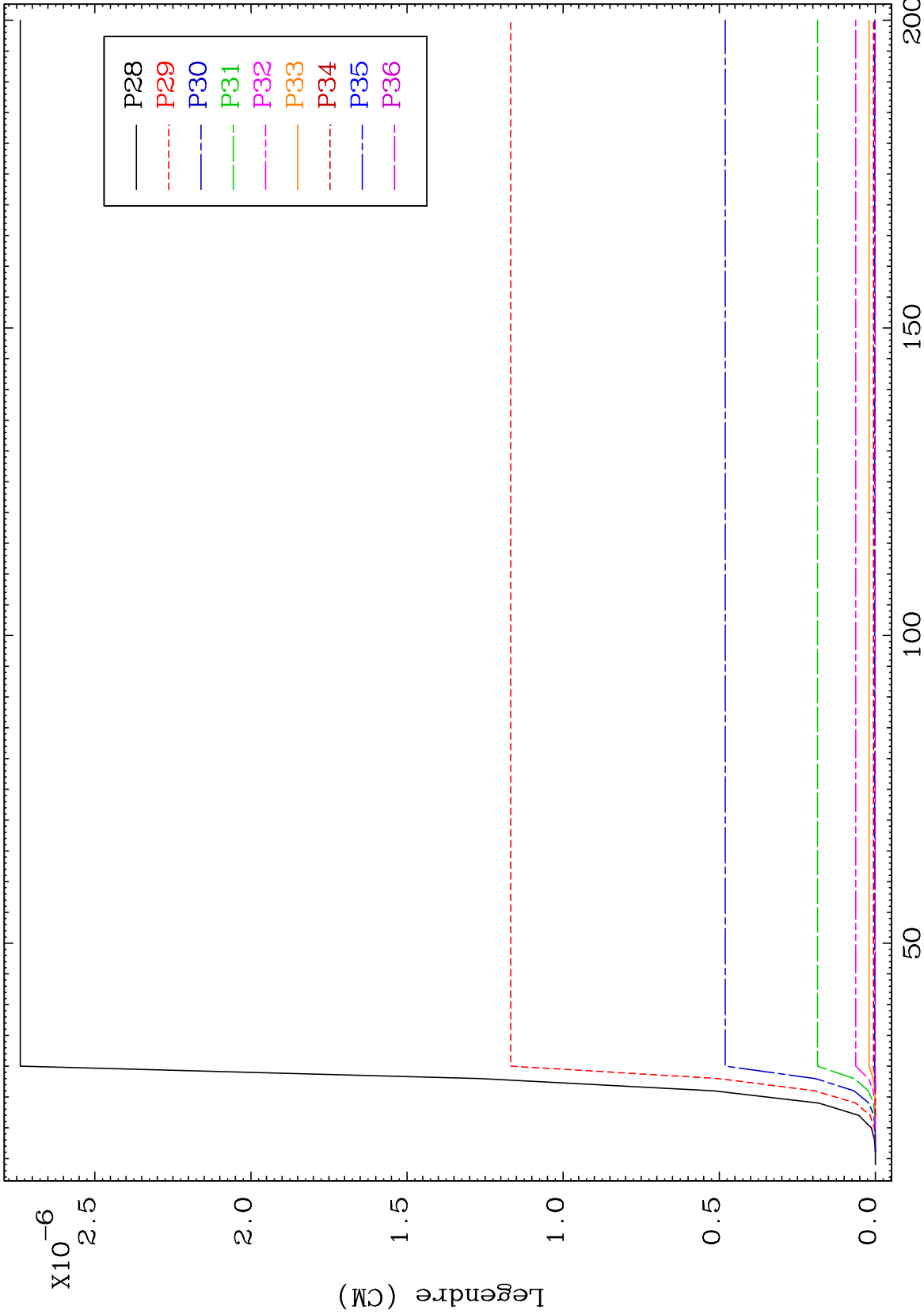
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



44

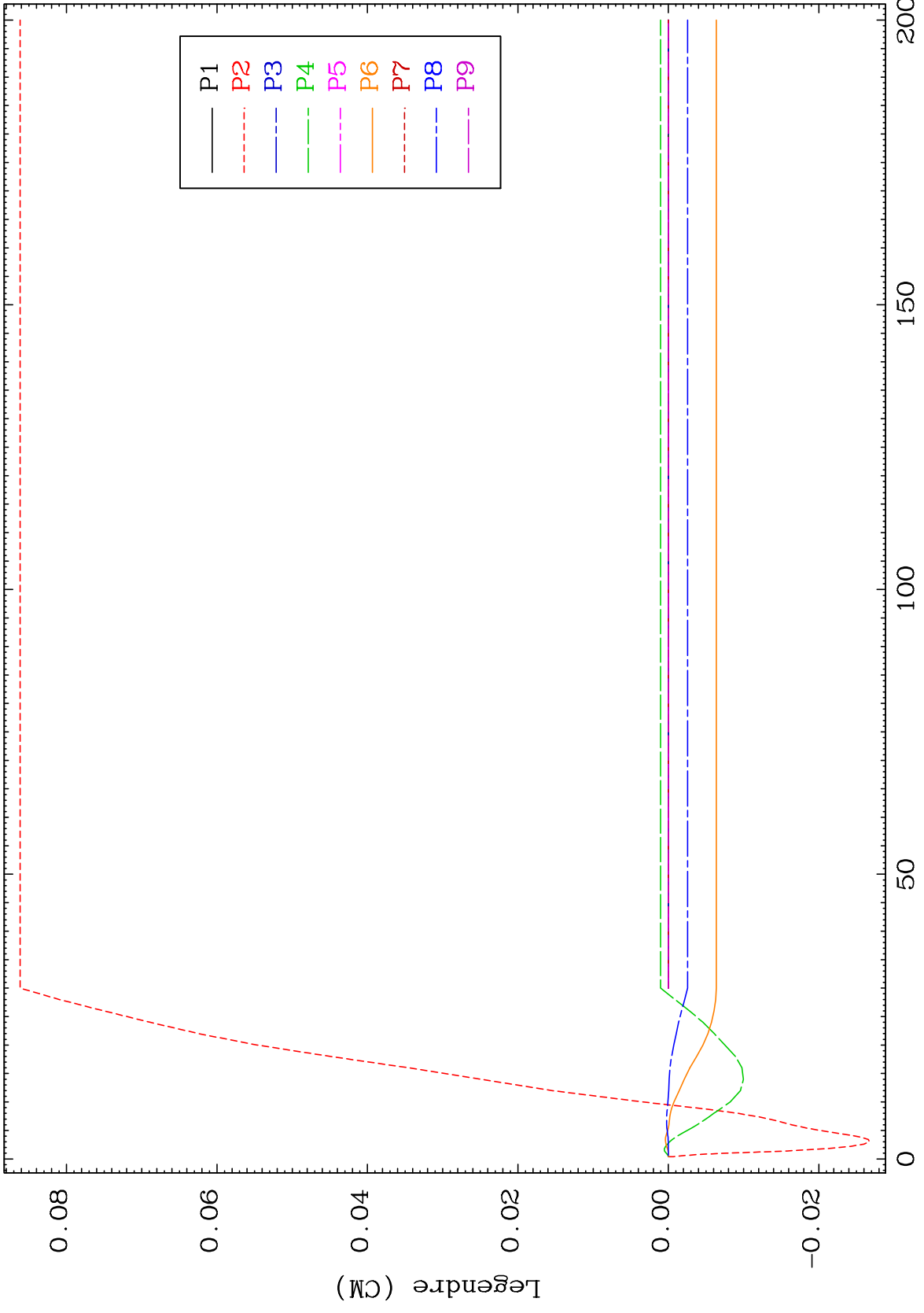
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



45

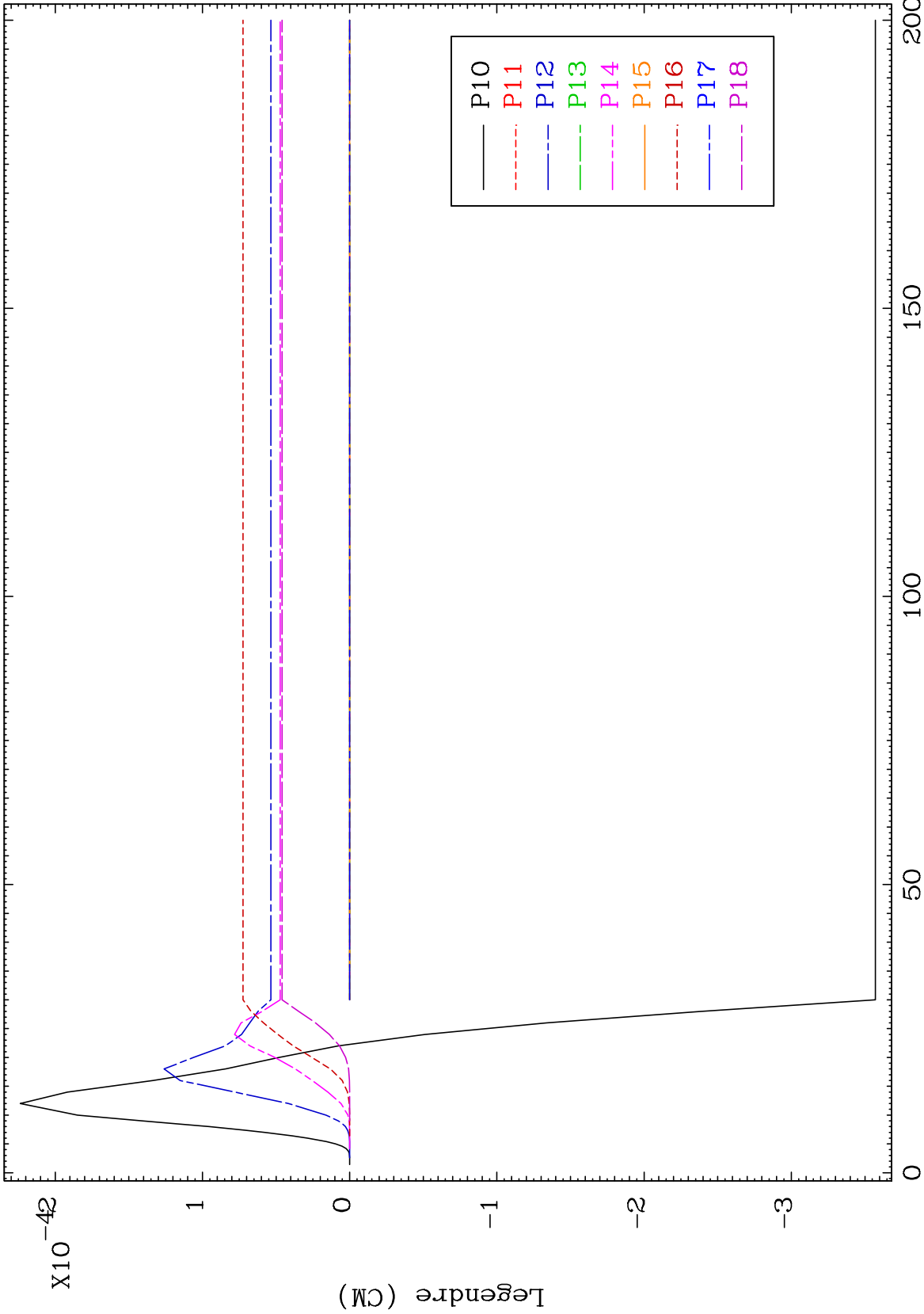
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177

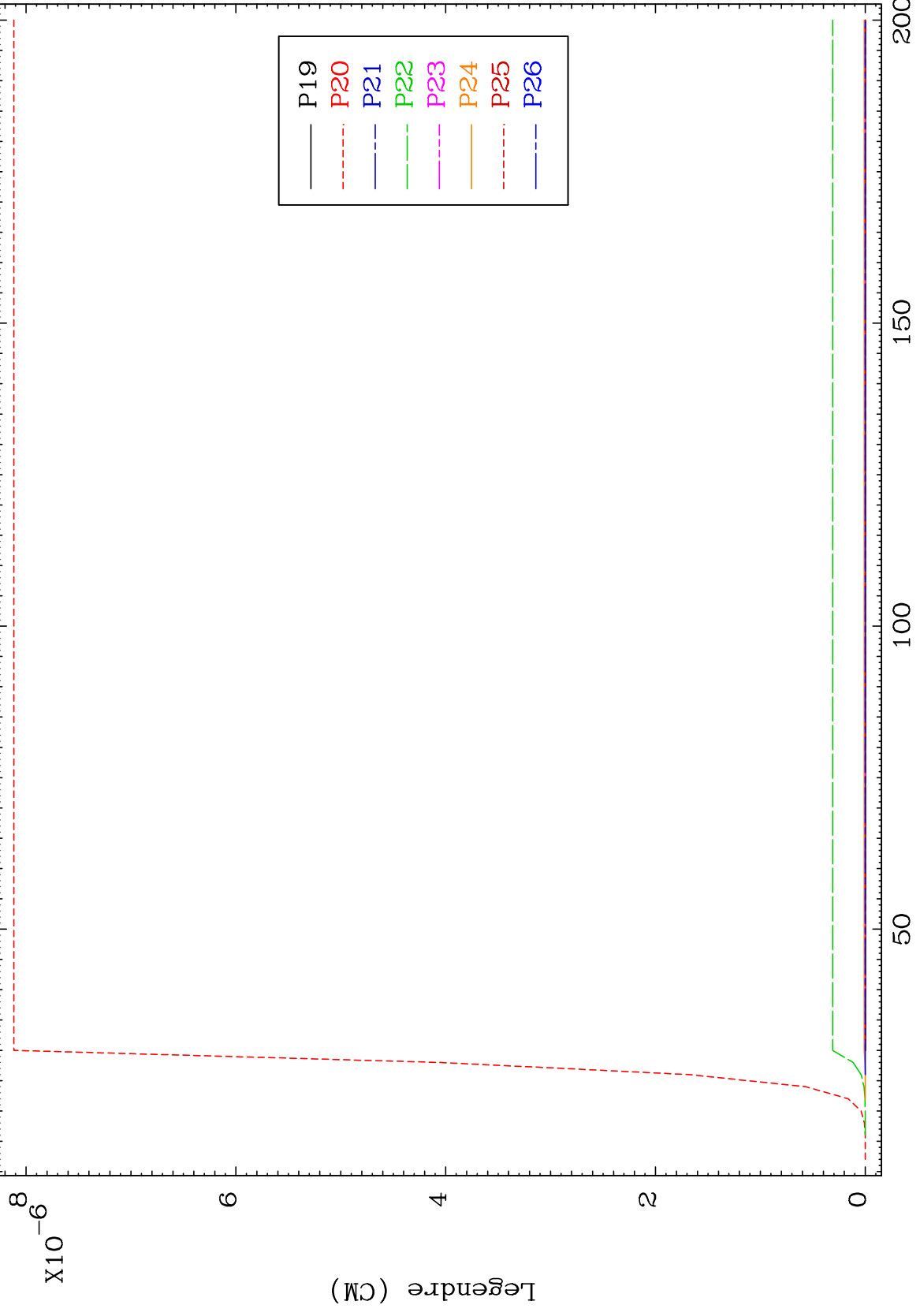


46

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-177



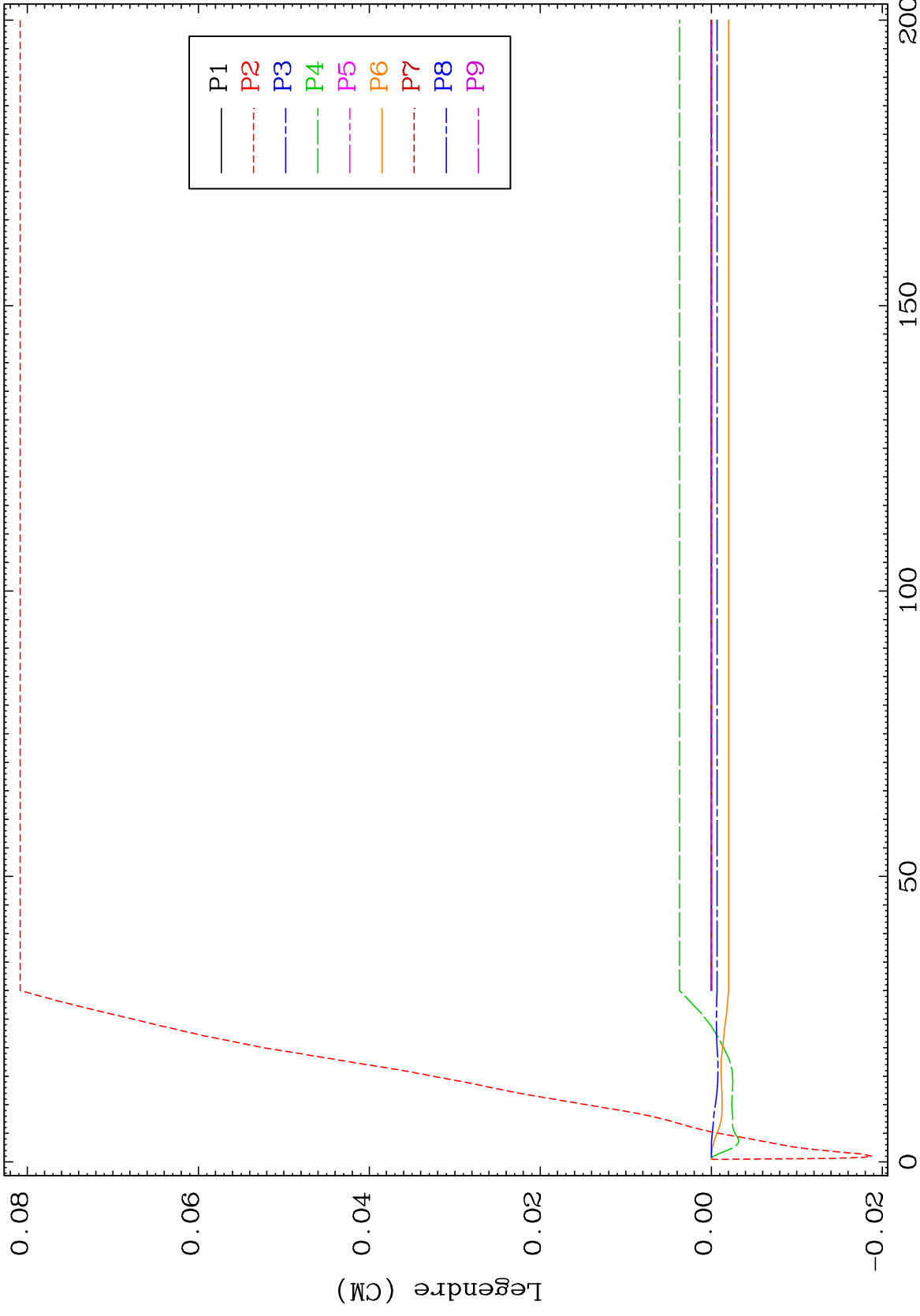
47 50 100 150 200 70-Yb-177



MAT 7052

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

70-Yb-177

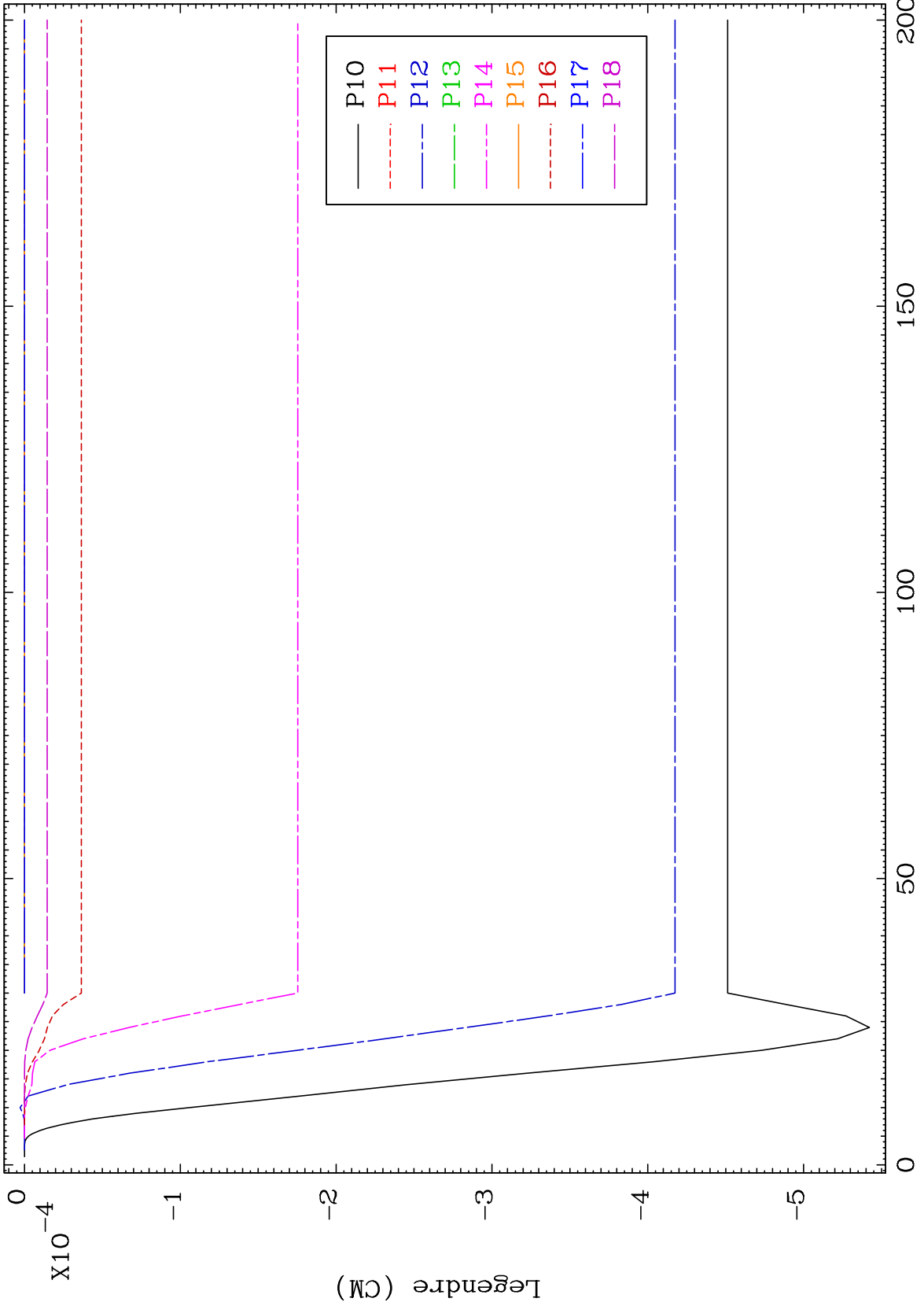


48

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-177

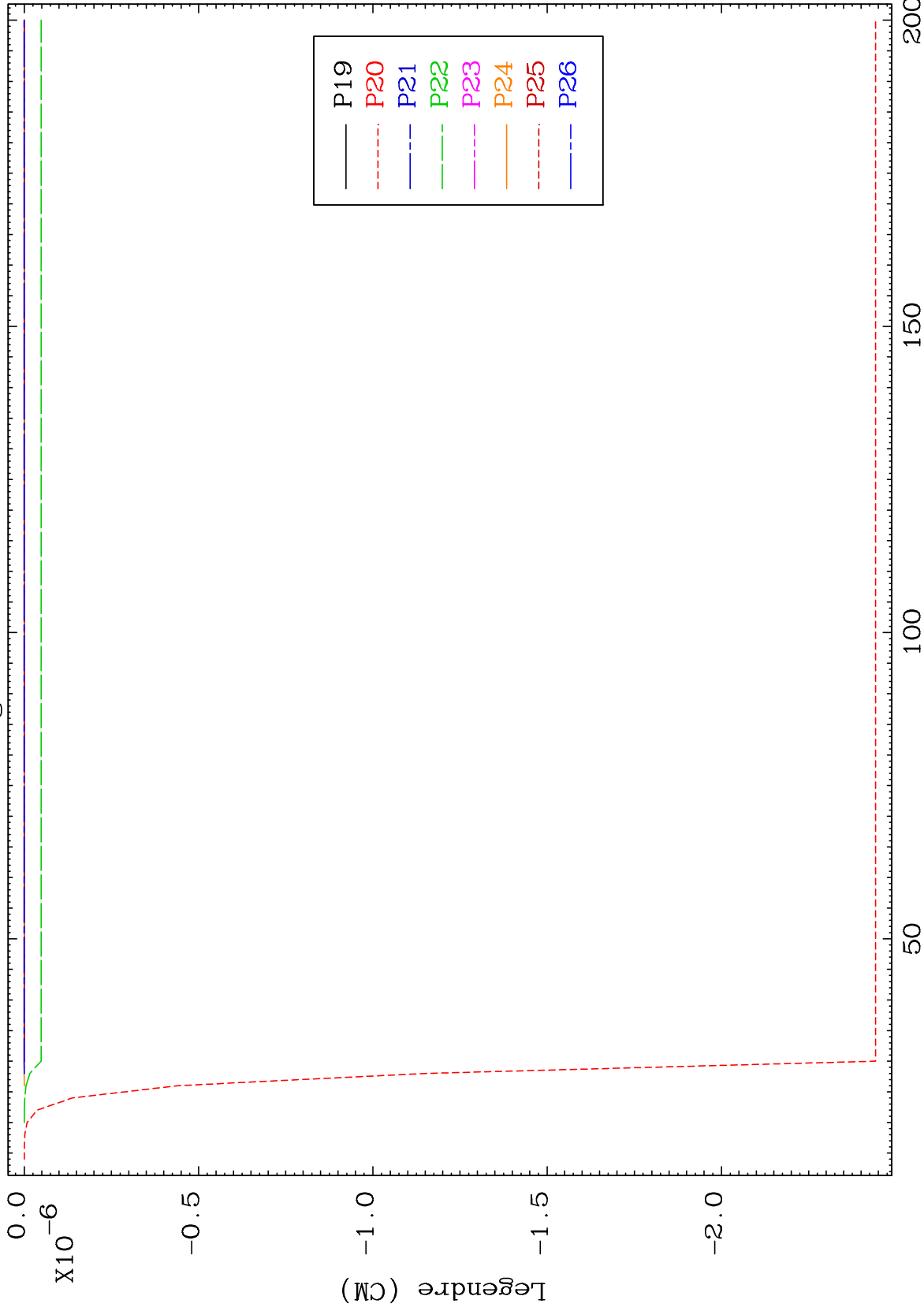


49 70-Yb-177

MAT 7052

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

70-Yb-177



50

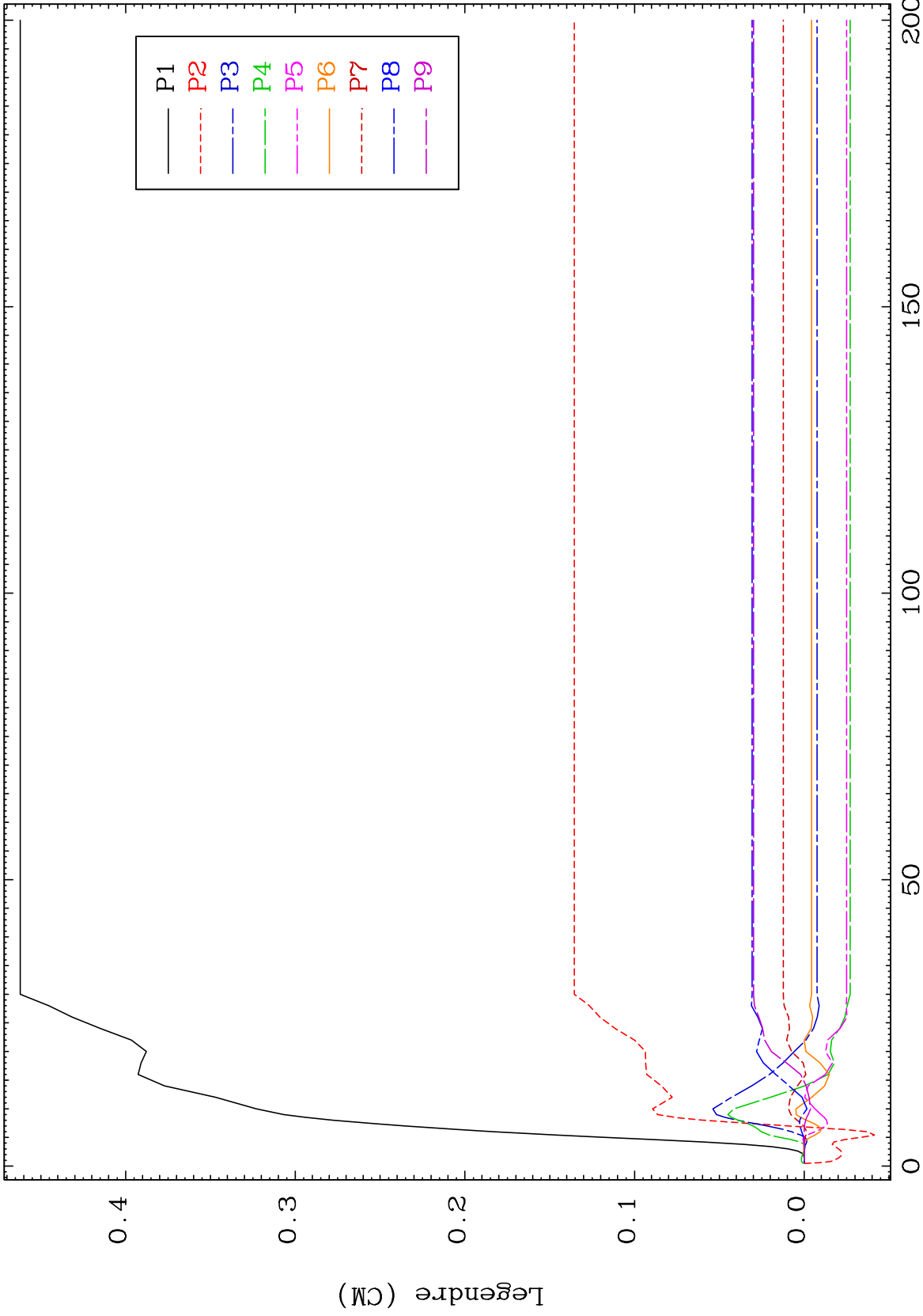
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



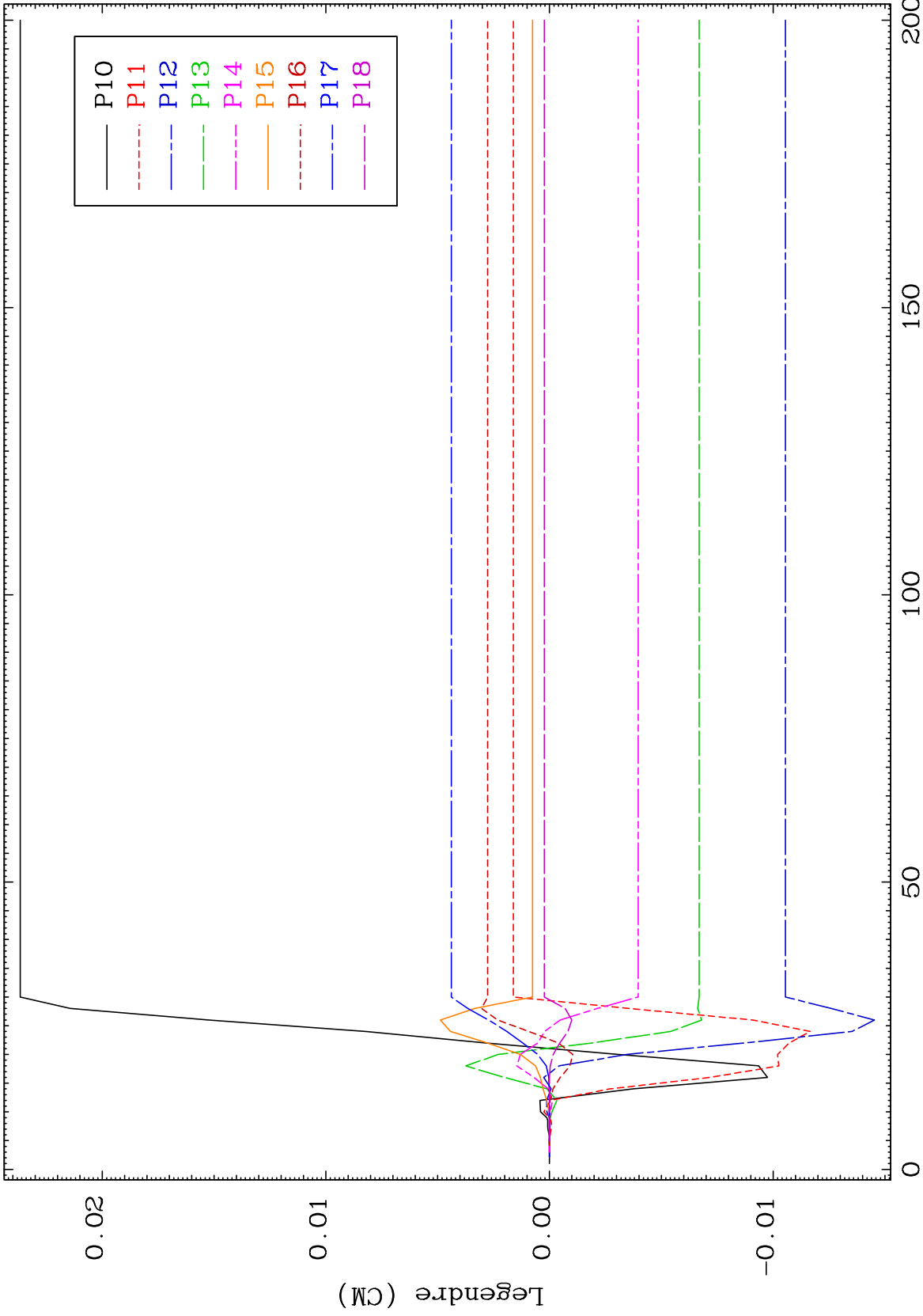
51

70-Yb-177

MAT 7052

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

70-Yb-177



52

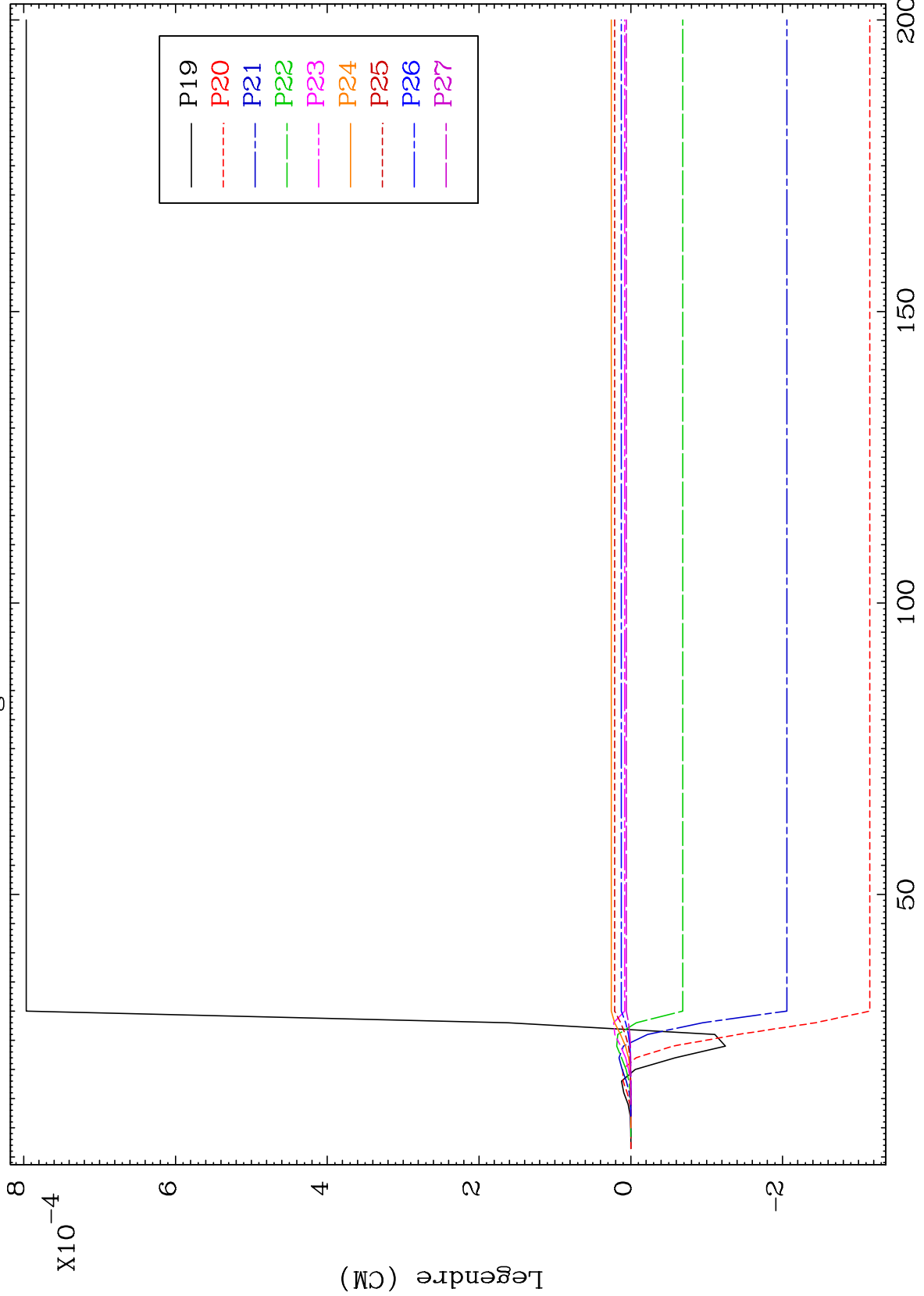
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



53

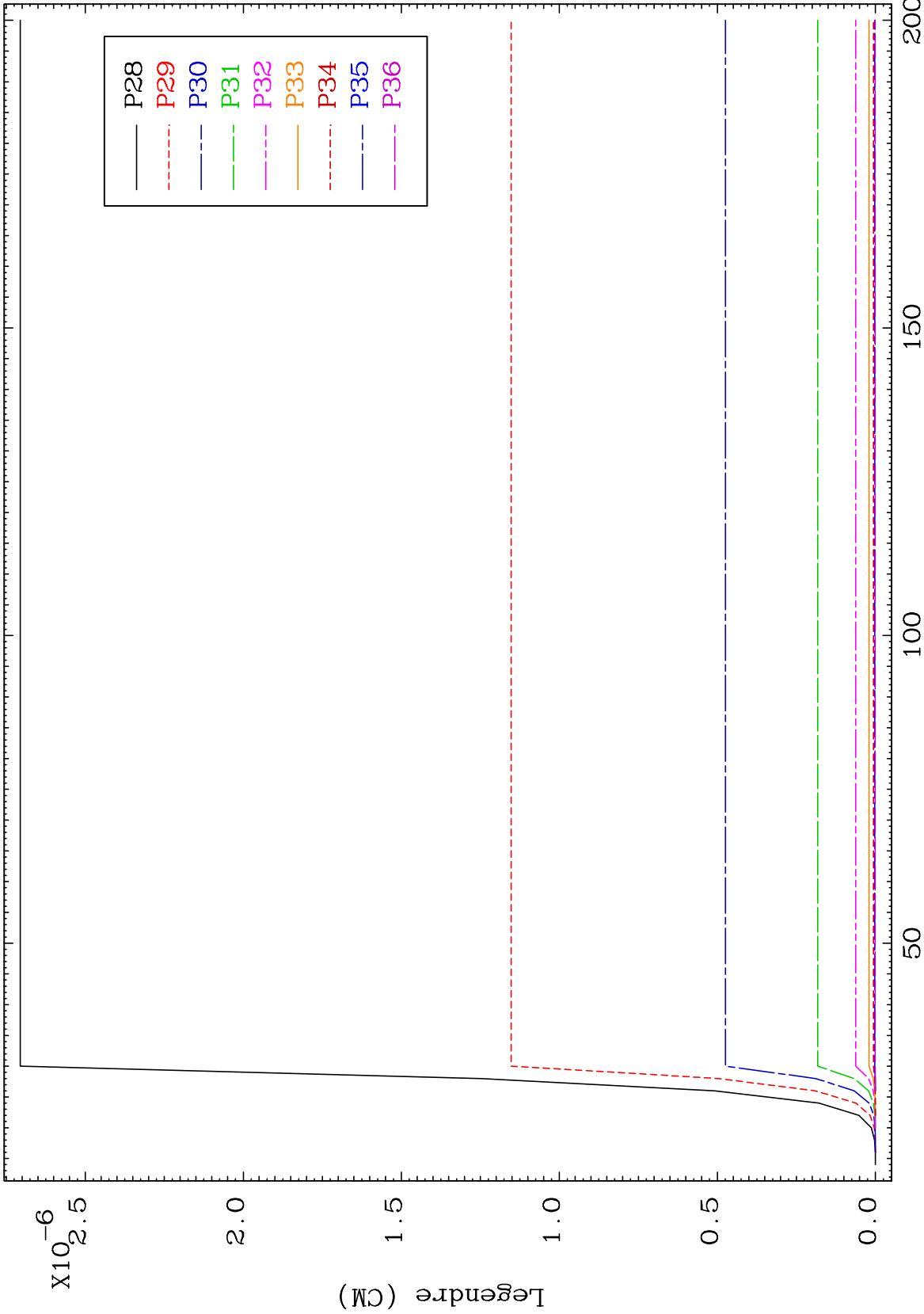
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177

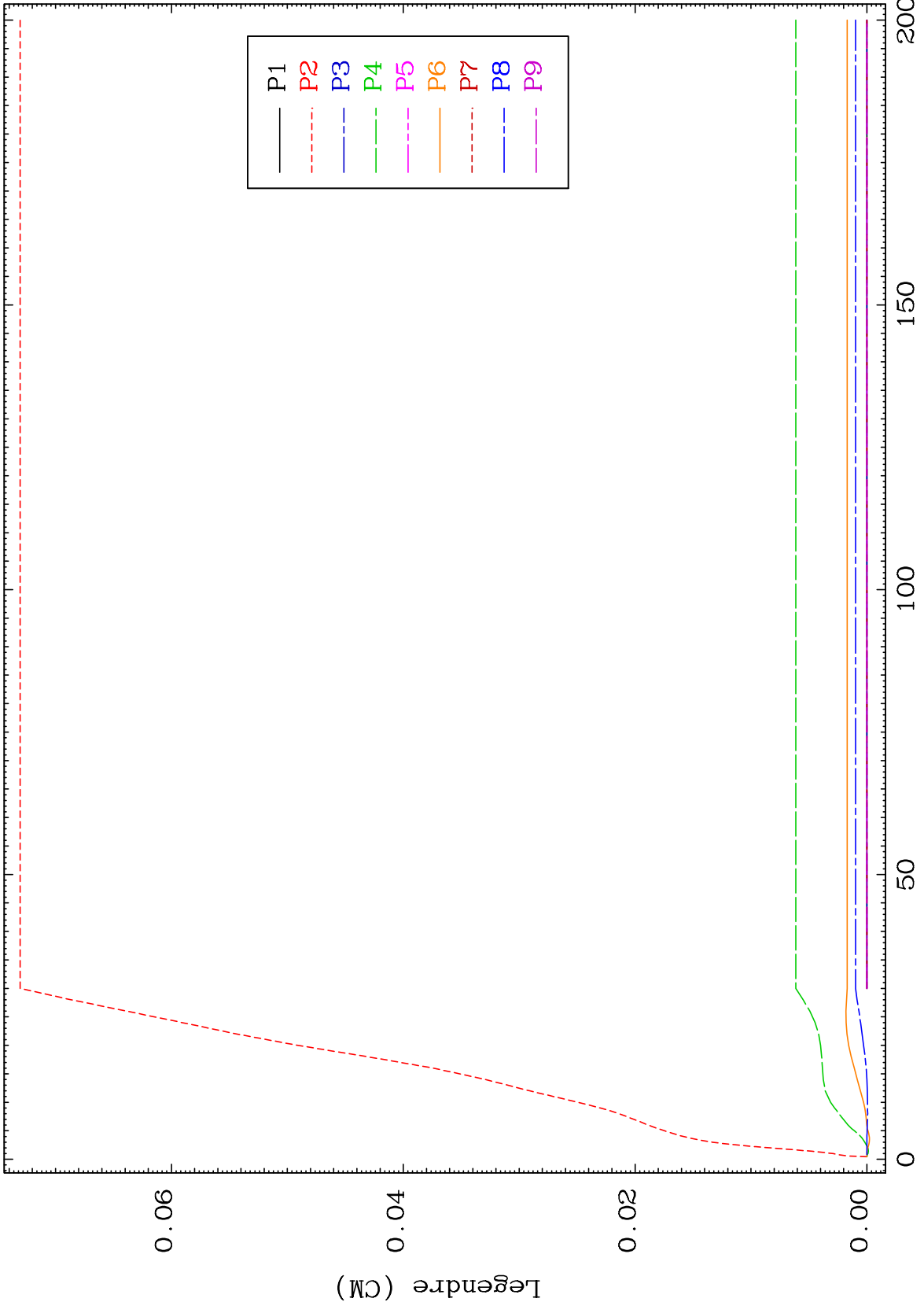


54

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-177



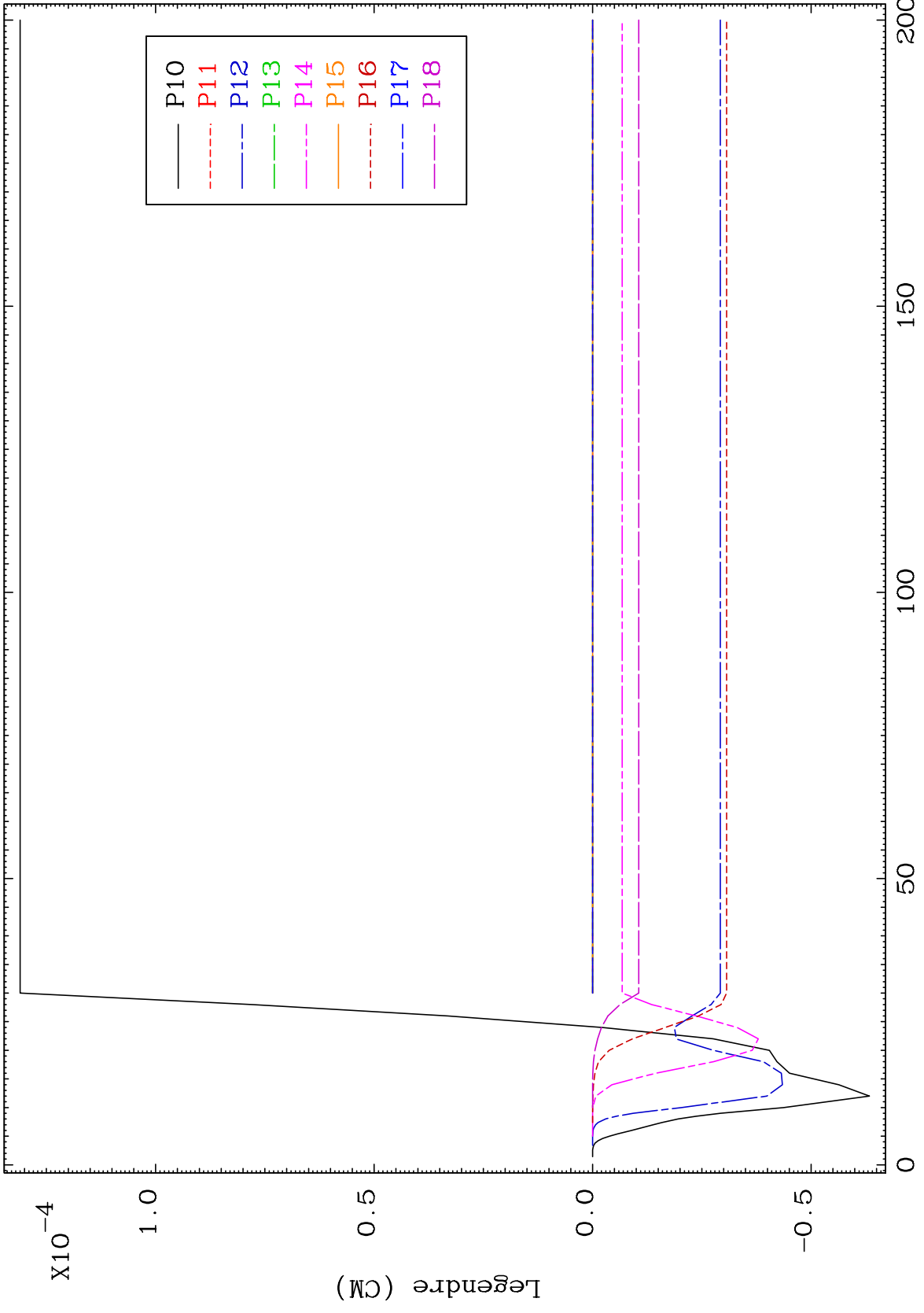
55 Incident Energy (MeV) 70-Yb-177



MAT 7052

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

70-Yb-177



56

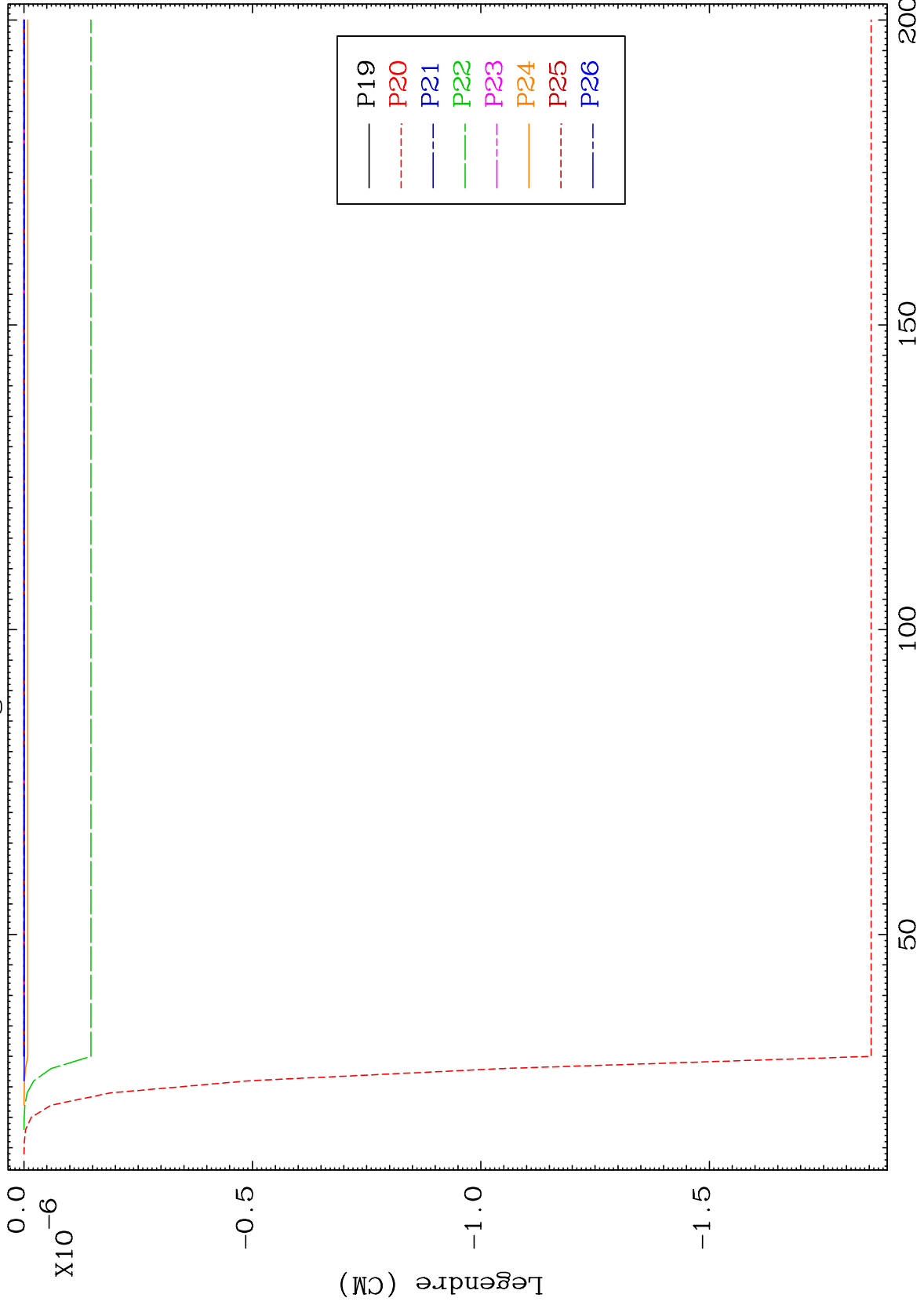
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

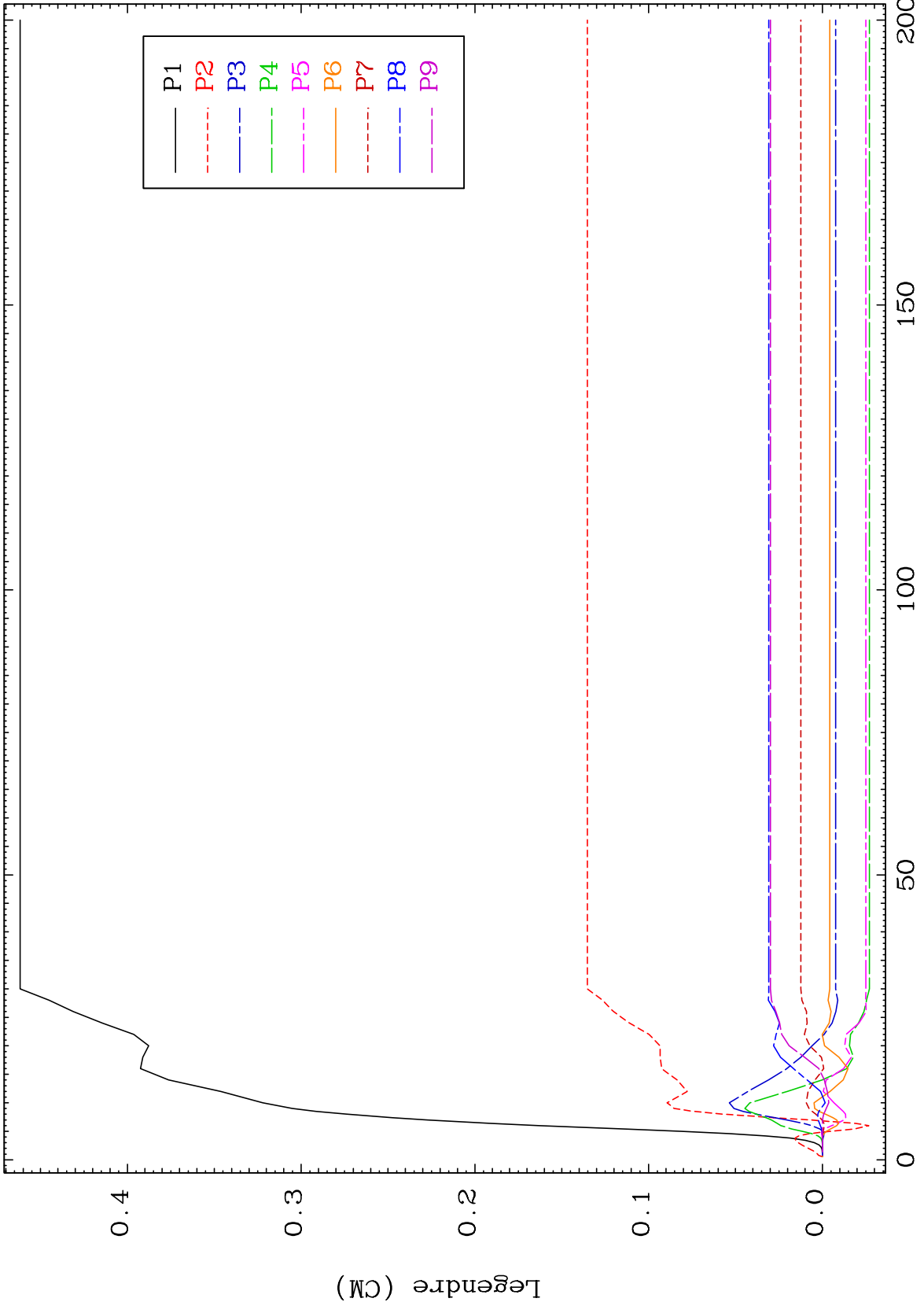
Incident Energy (MeV)

57

MAT 7052

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

70-Yb-177



58

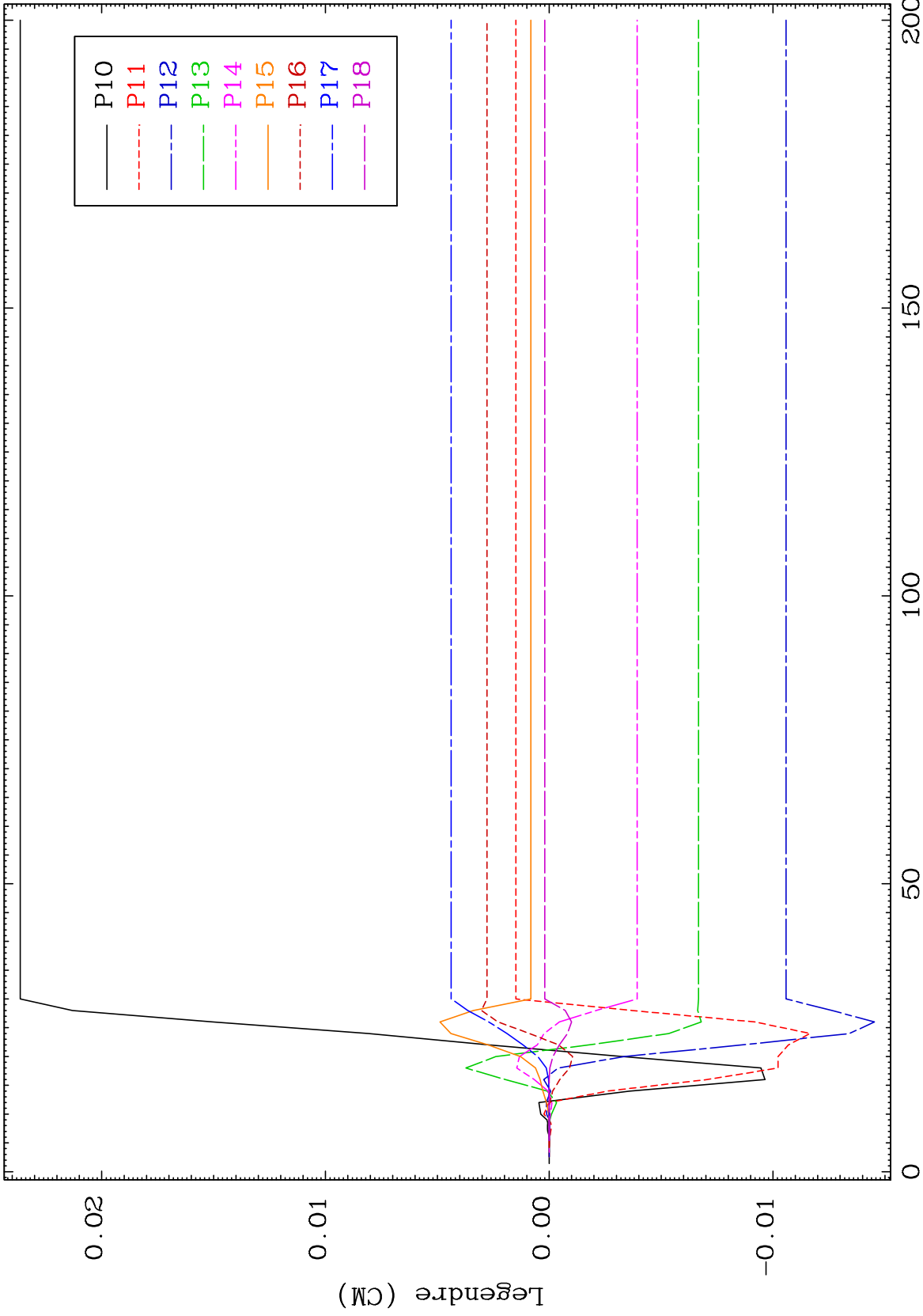
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



59

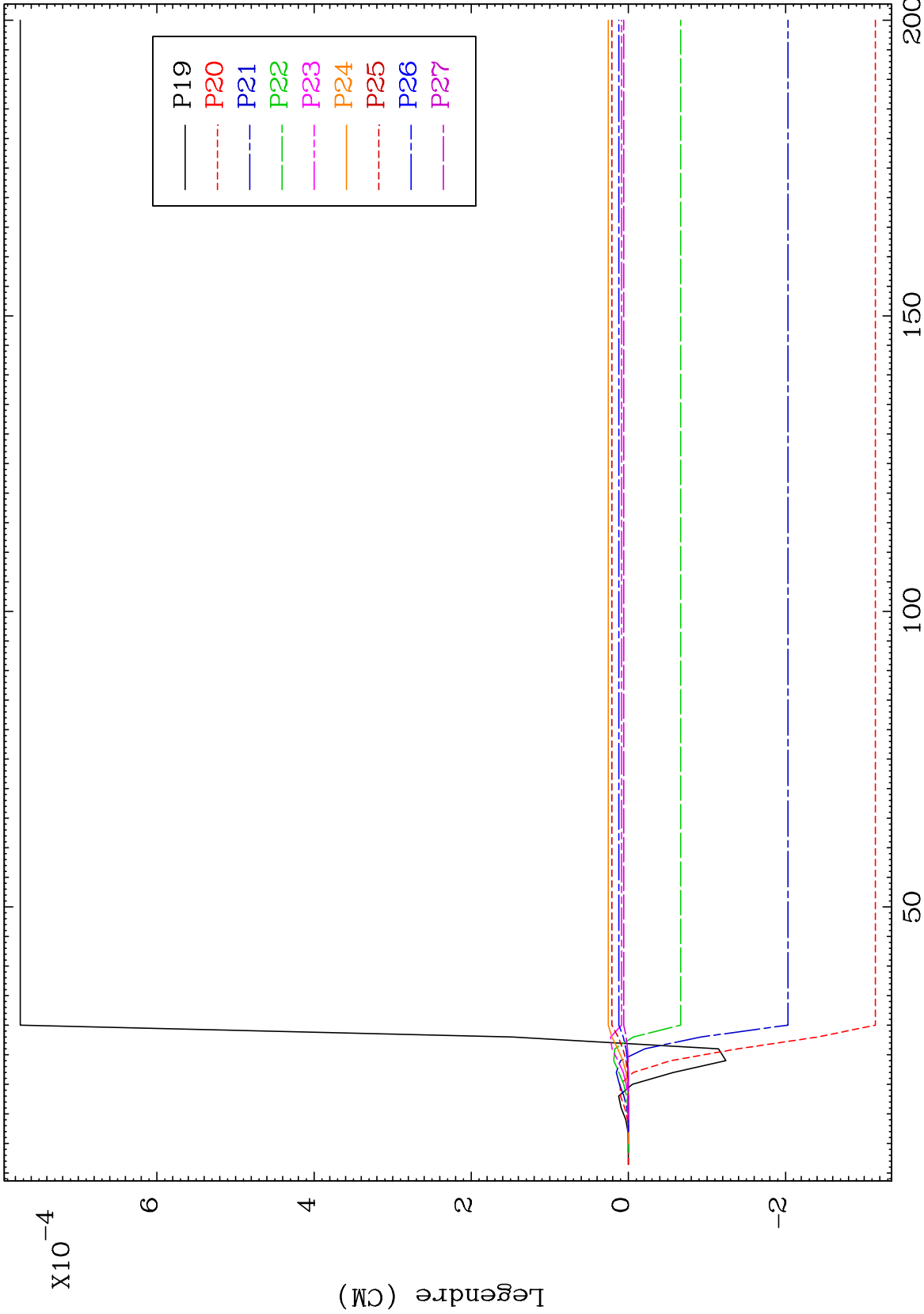
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



60

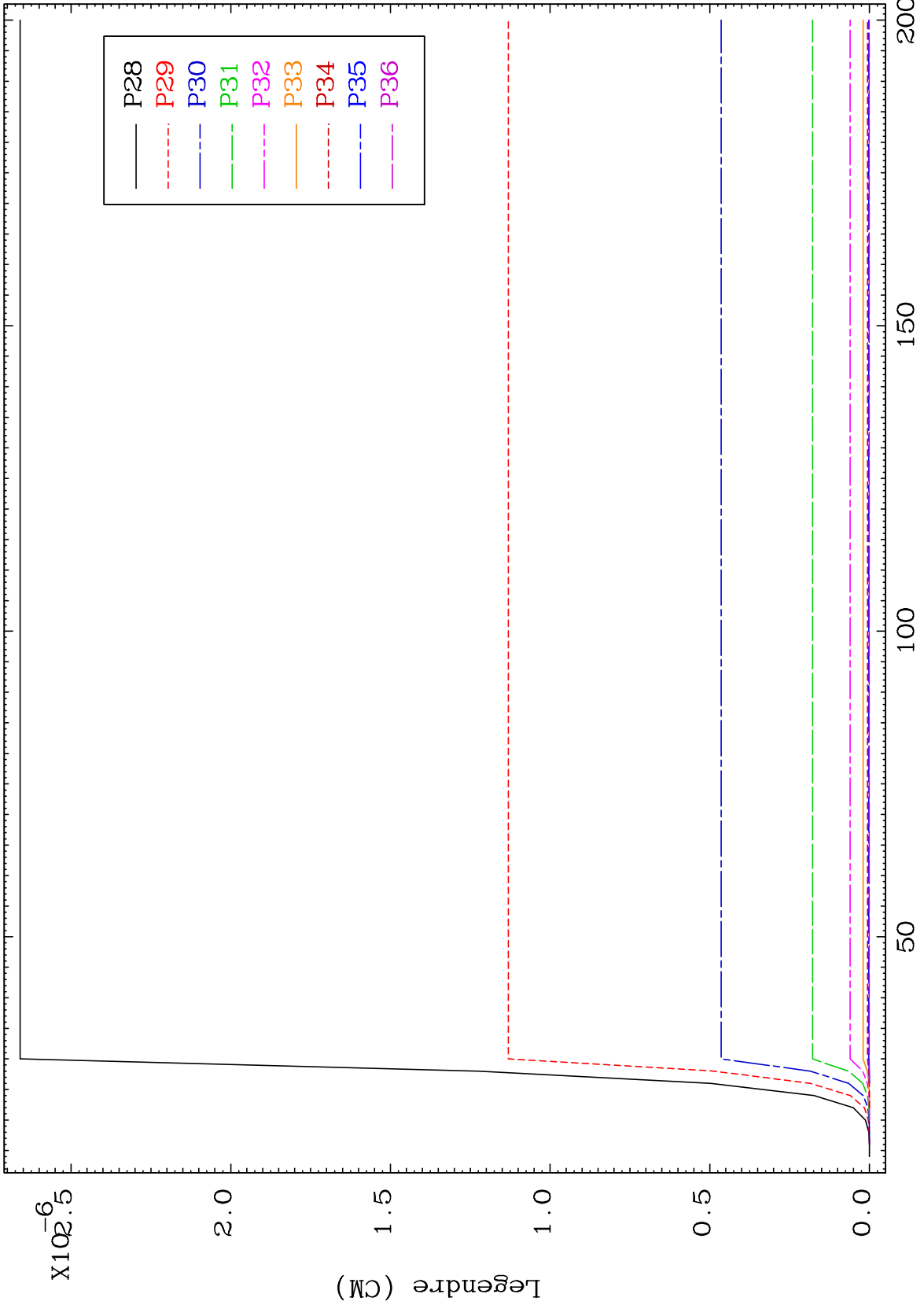
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



61

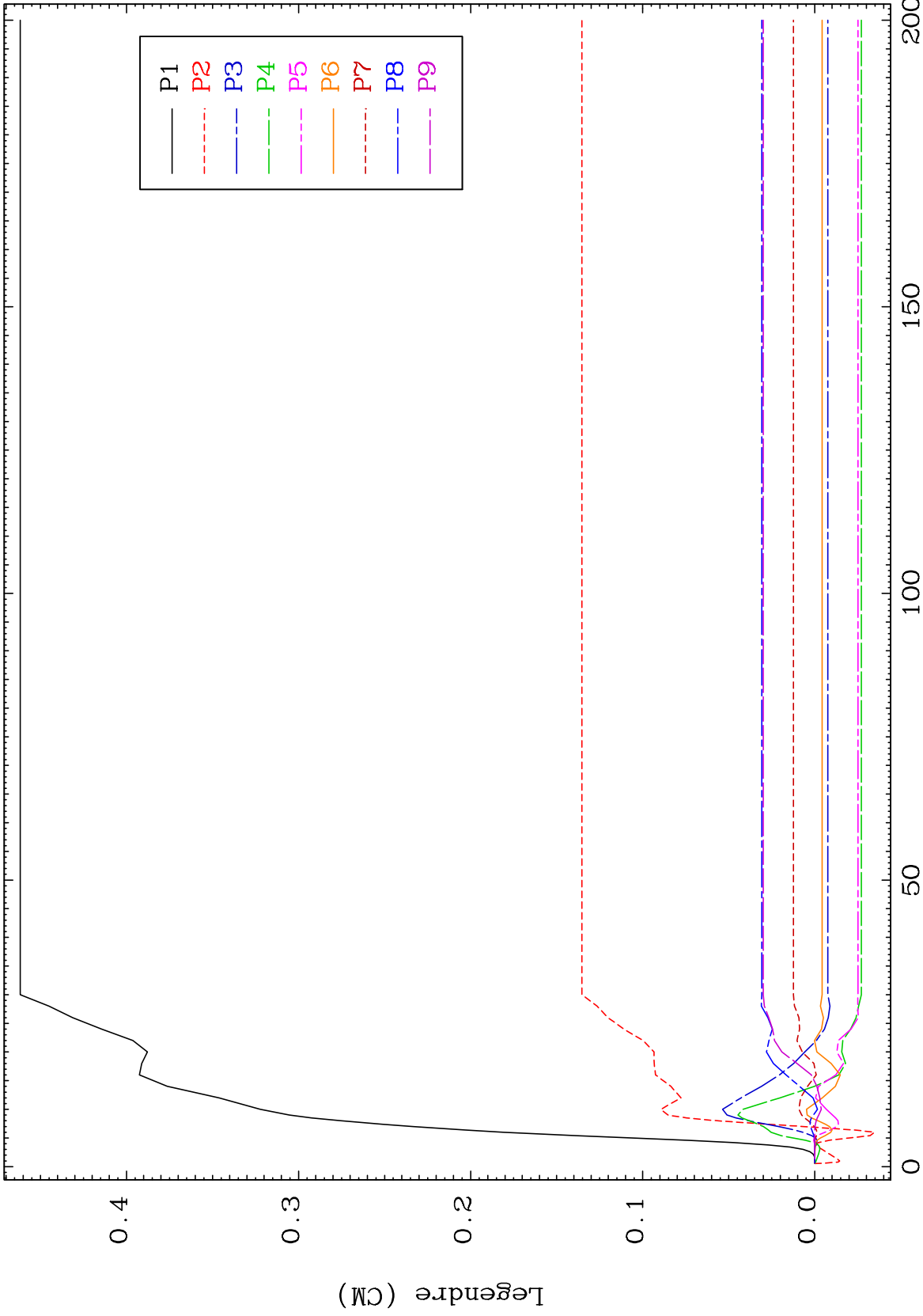
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



62

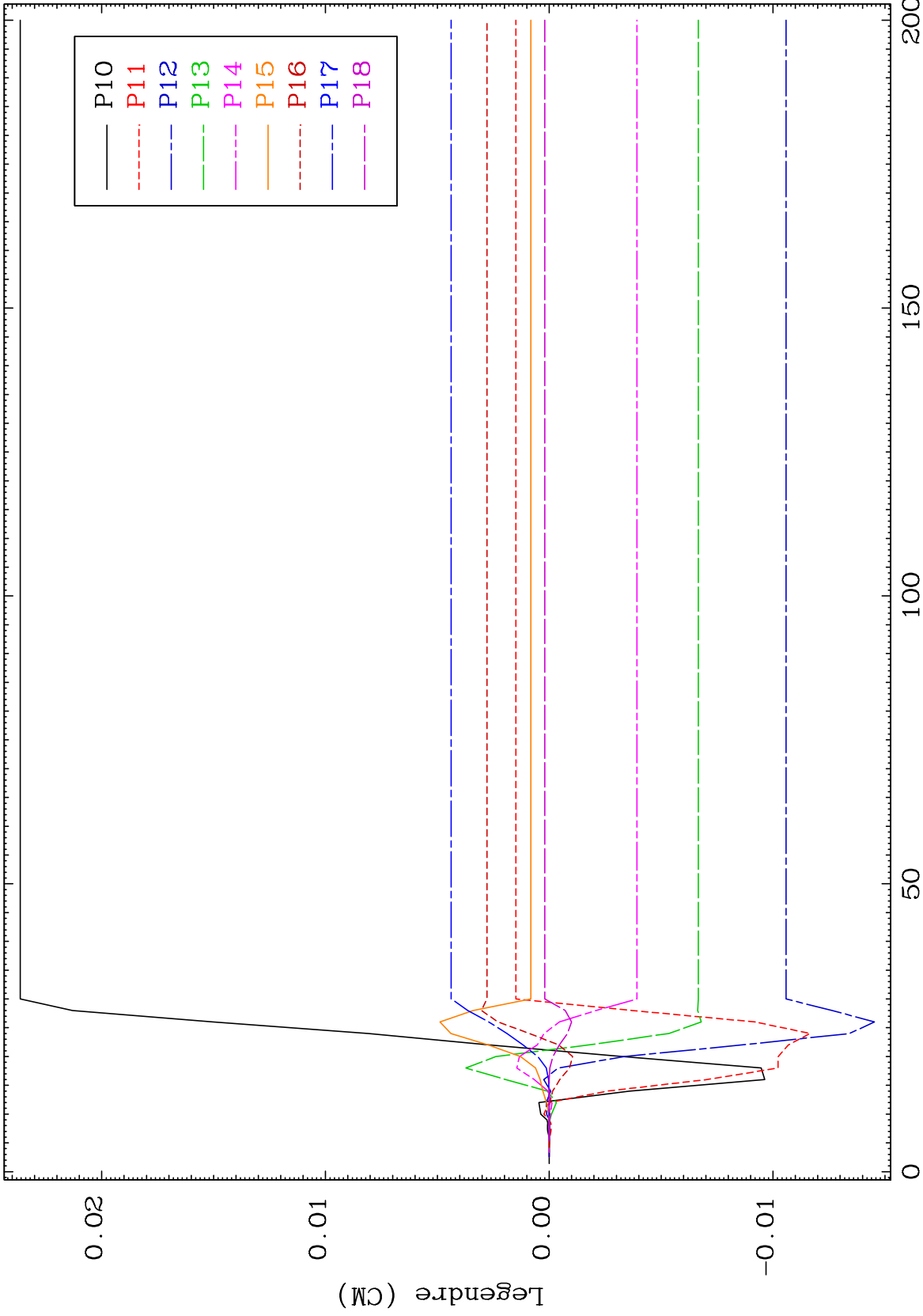
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



63

Incident Energy (MeV)

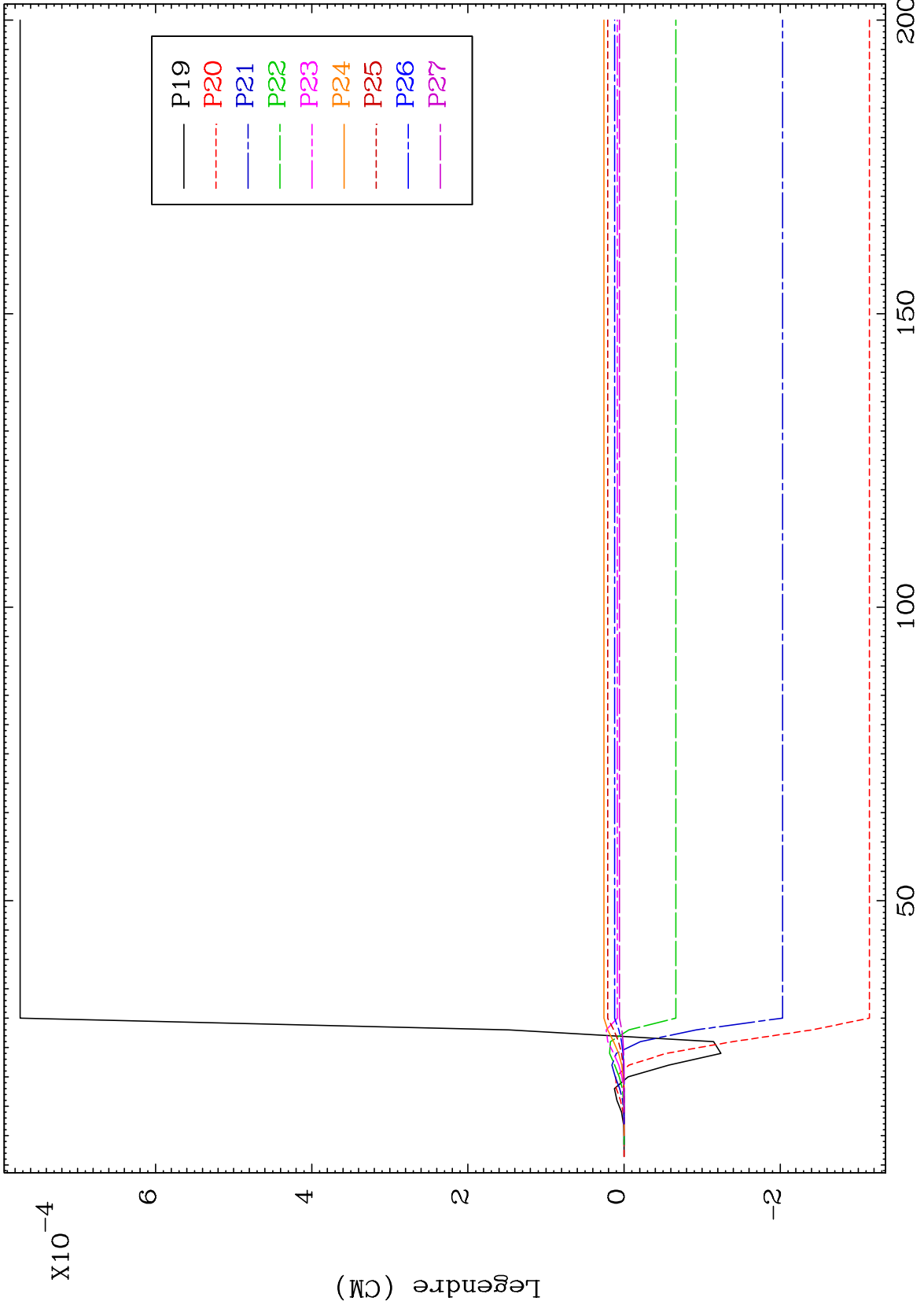
70-Yb-177



MAT 7052

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

70-Yb-177



64

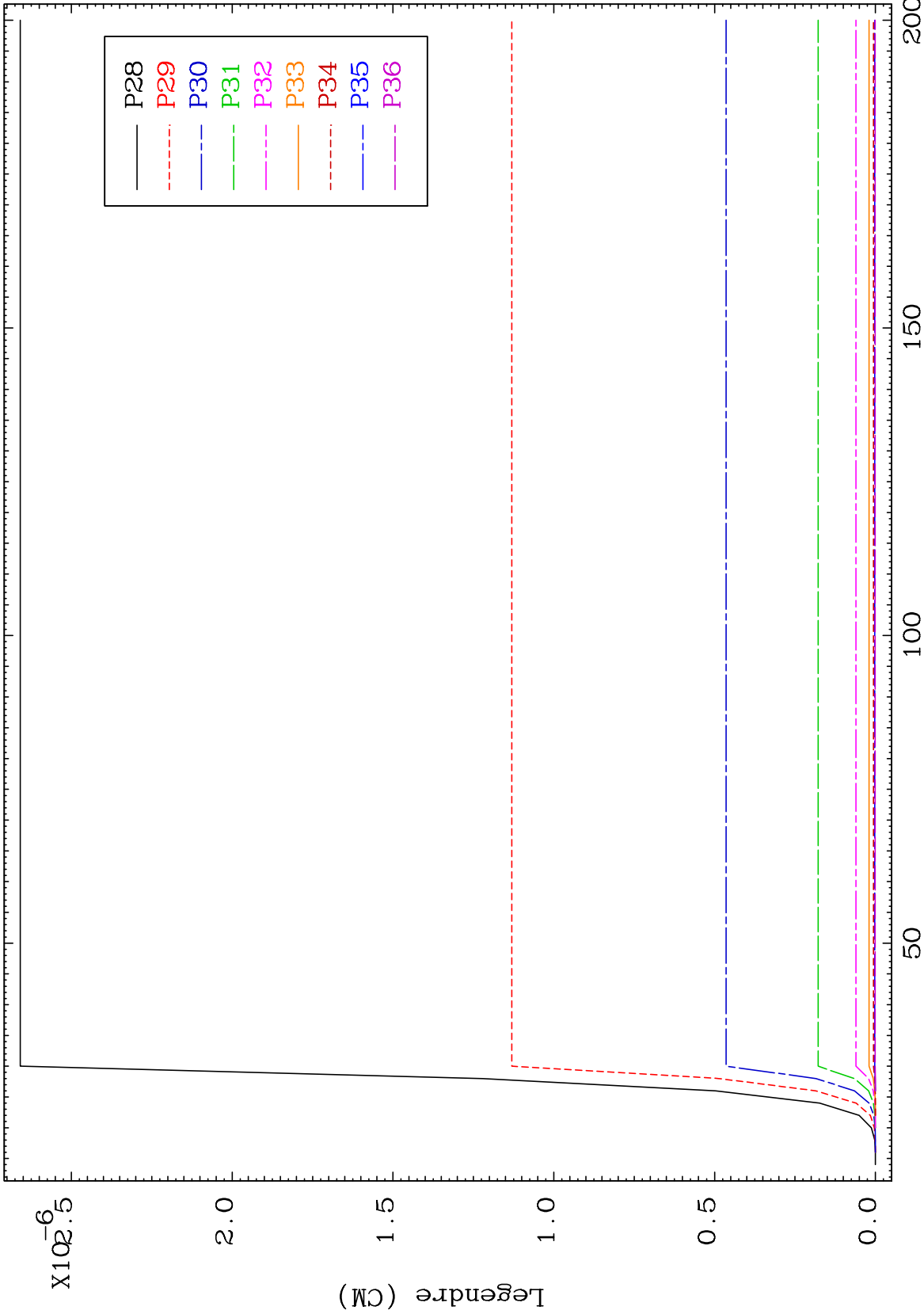
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



65

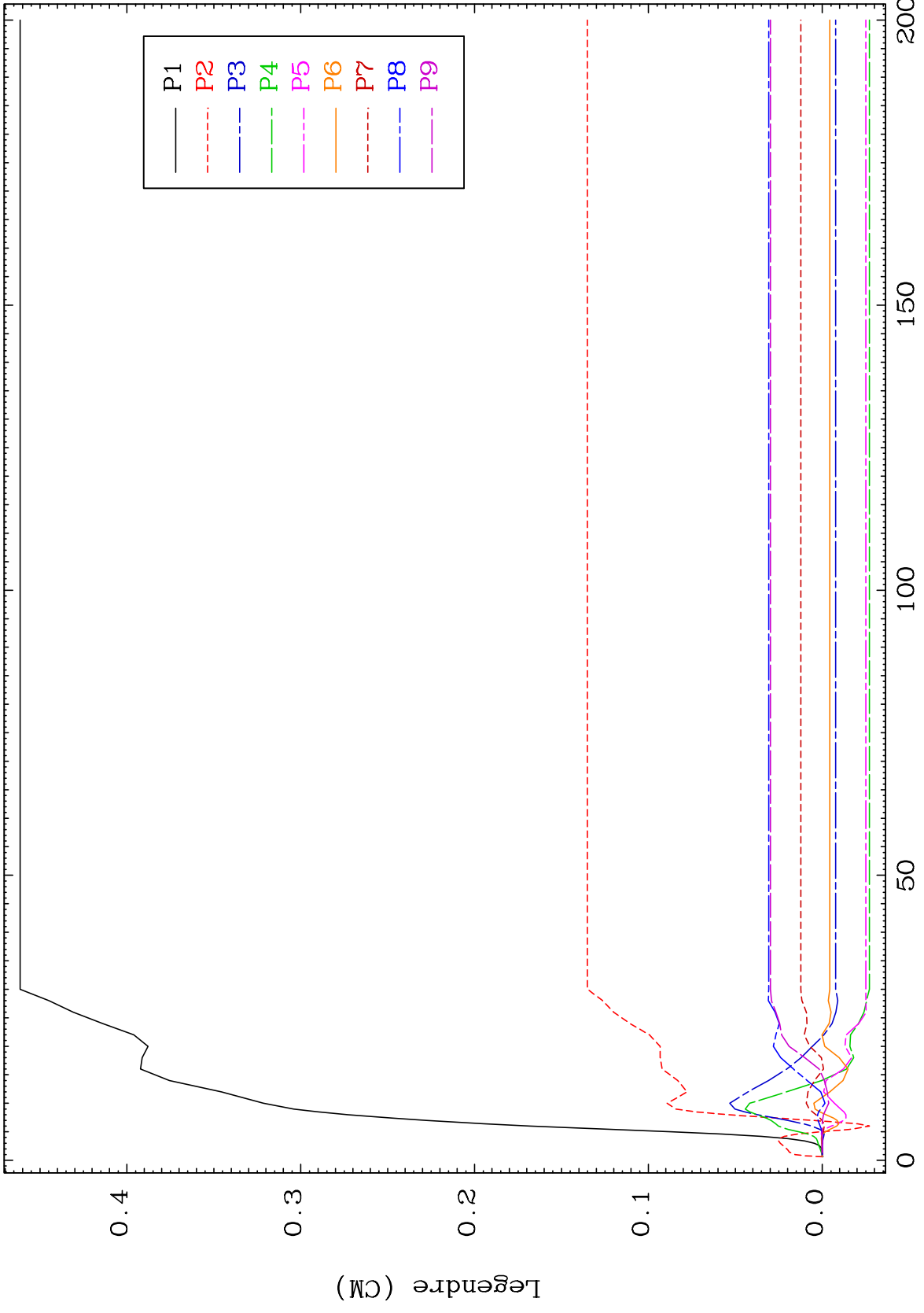
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



66

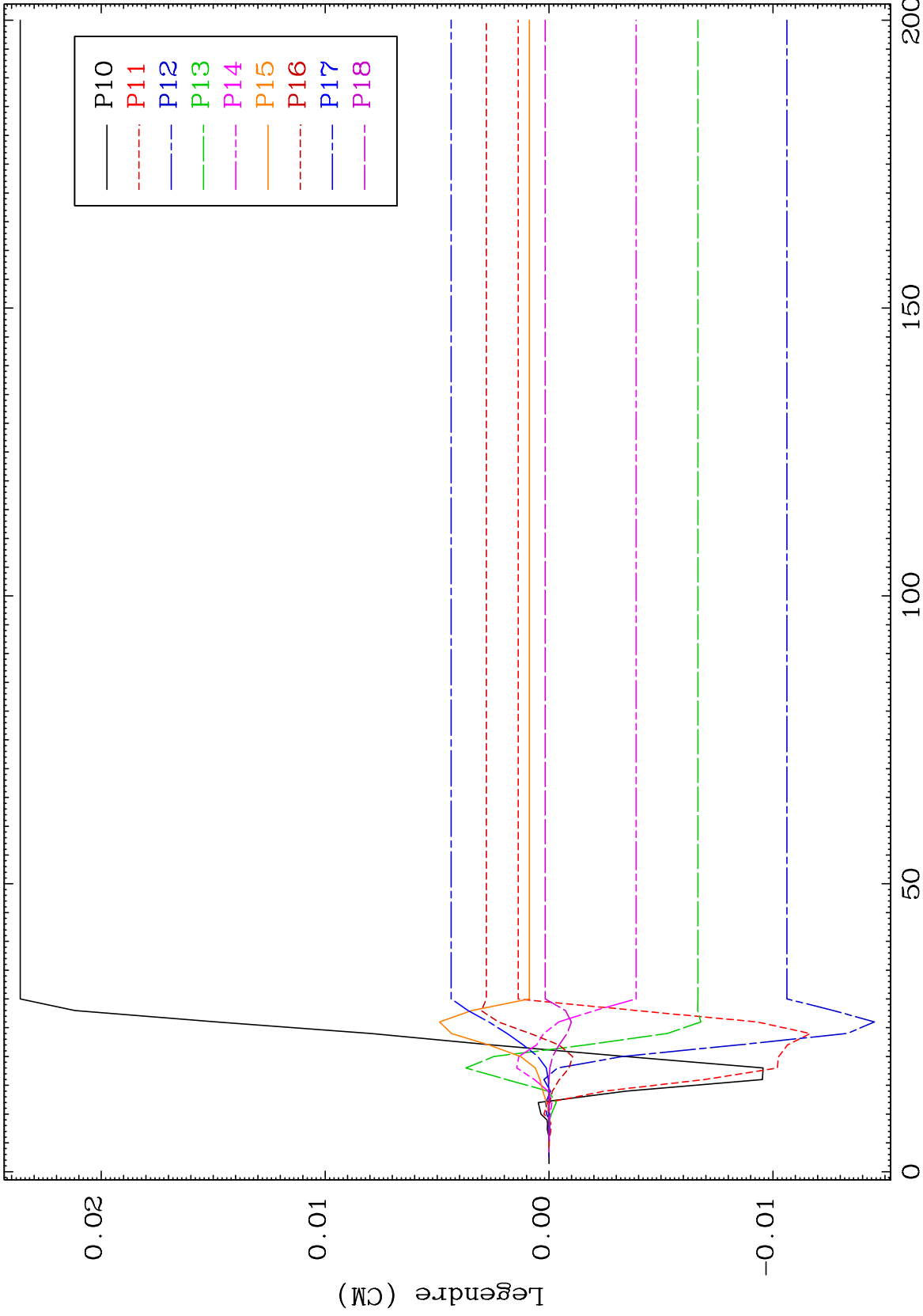
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



67

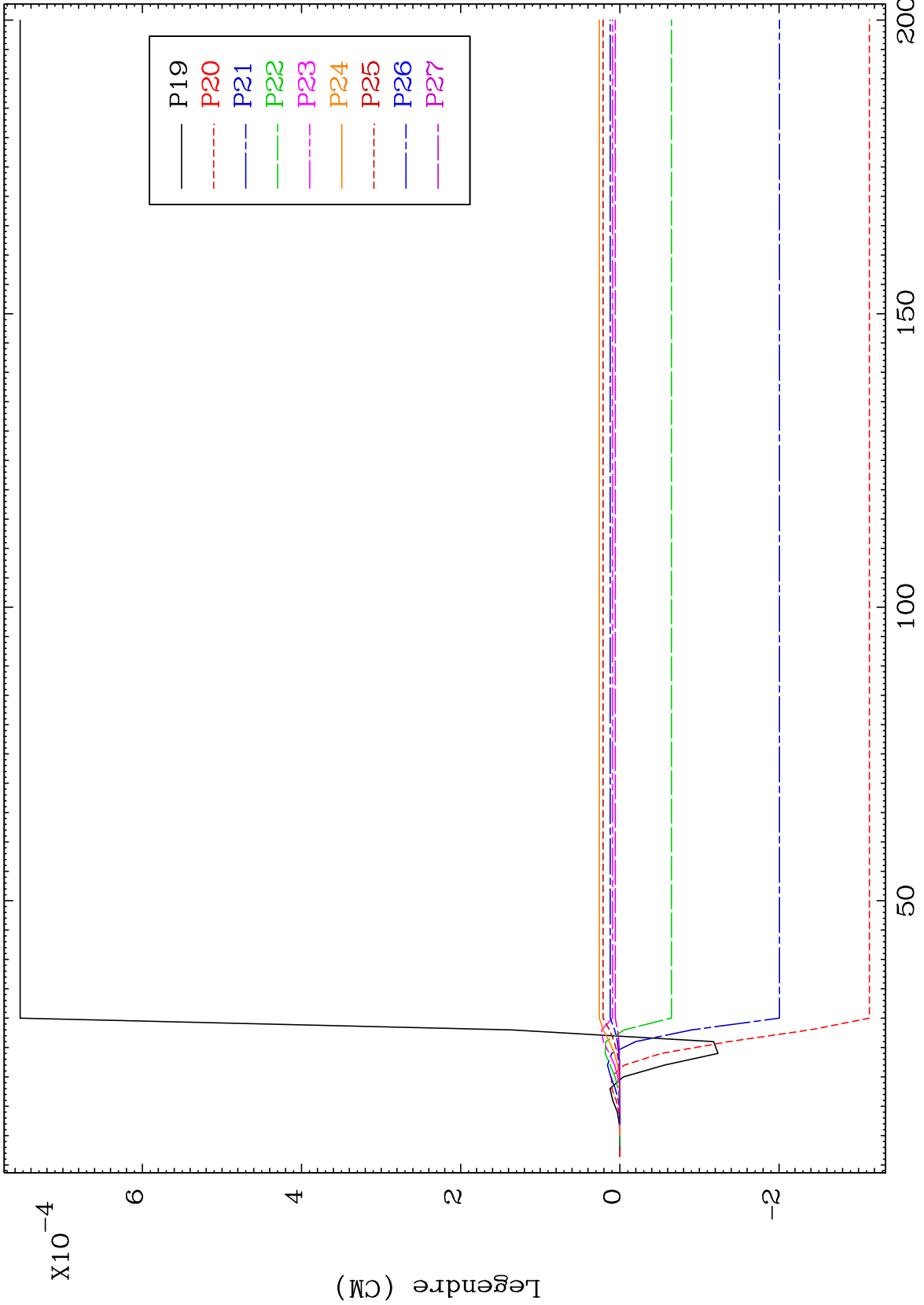
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



68

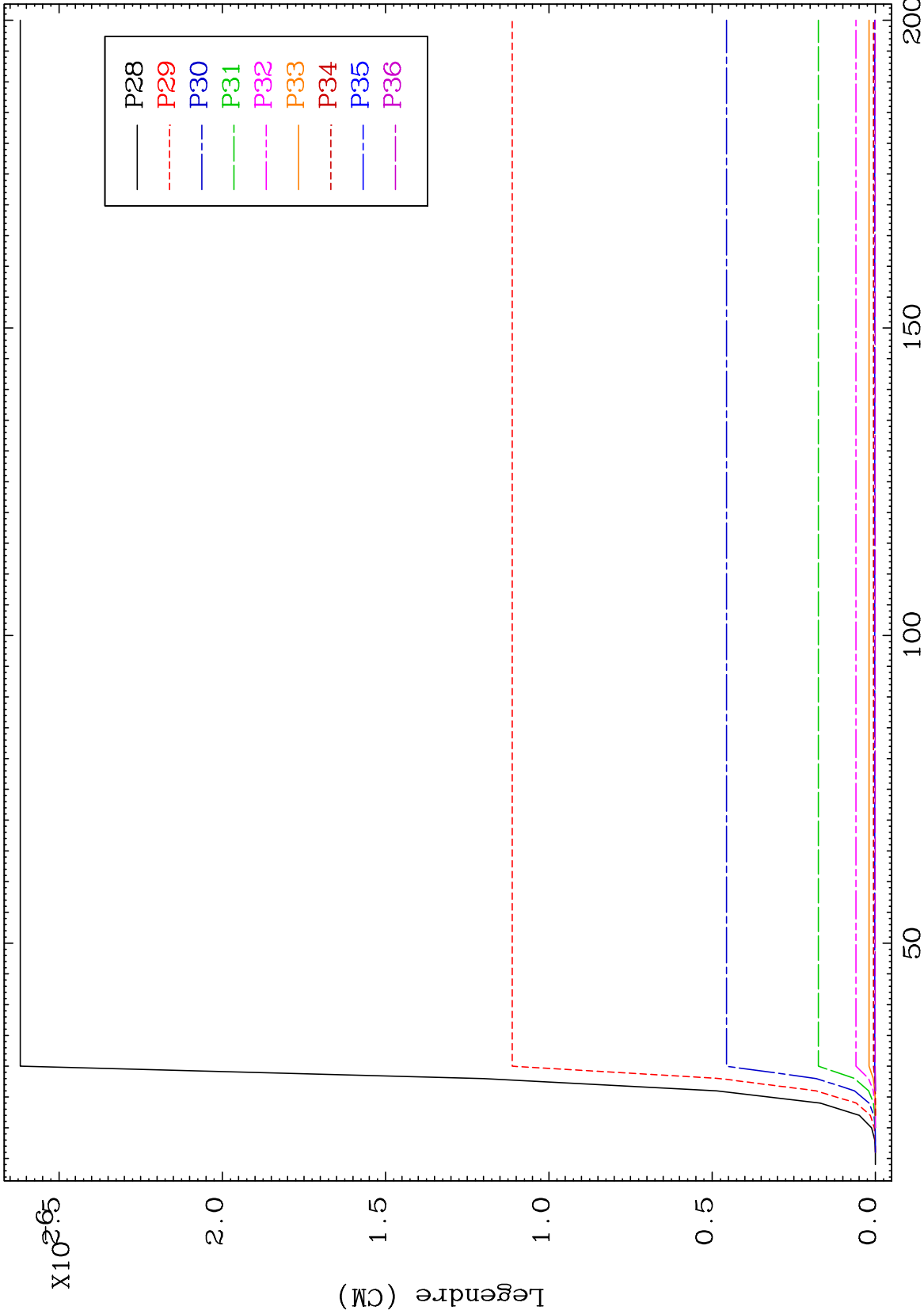
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



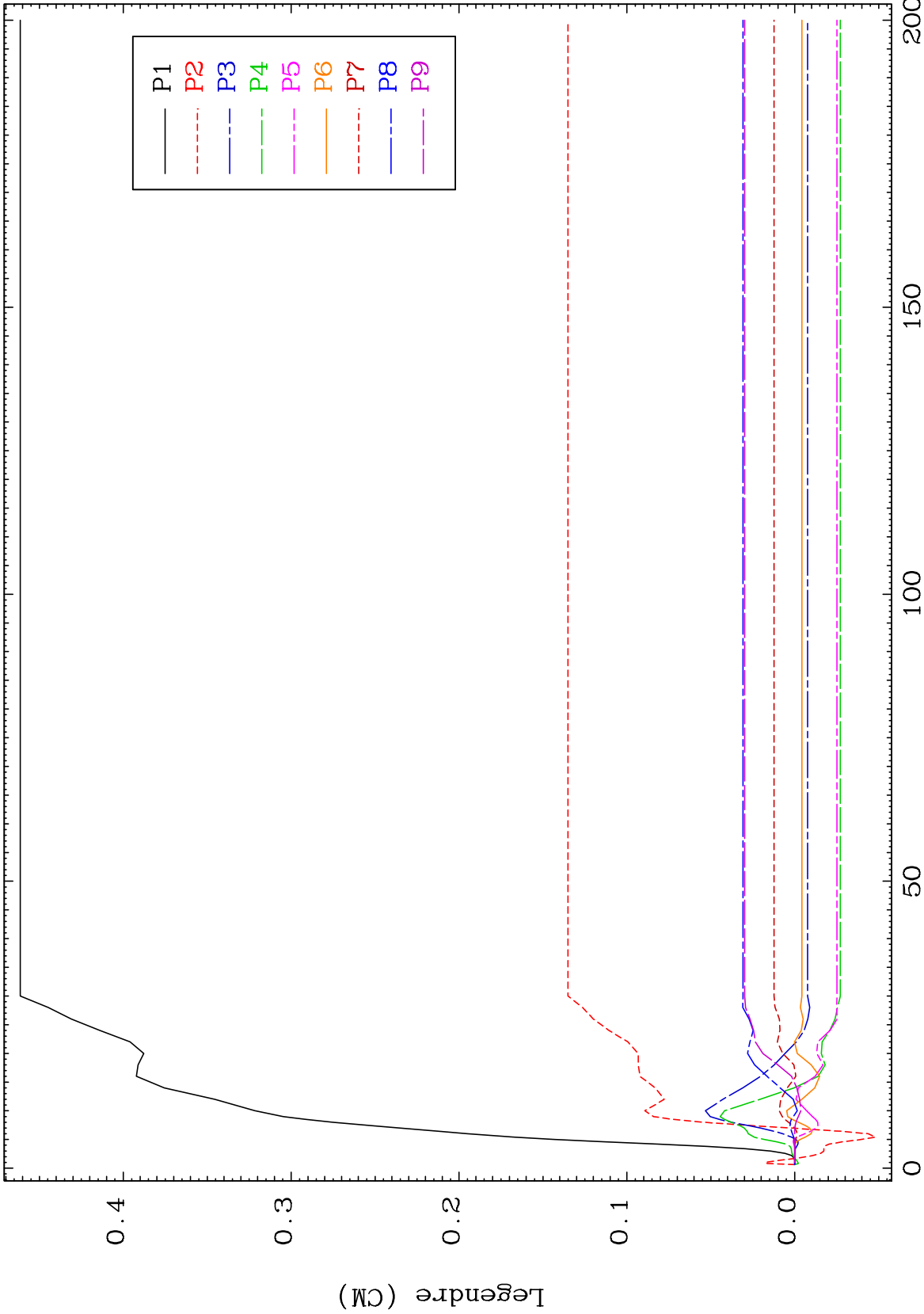
69

70-Yb-177

MAT 7052

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

70-Yb-177



70

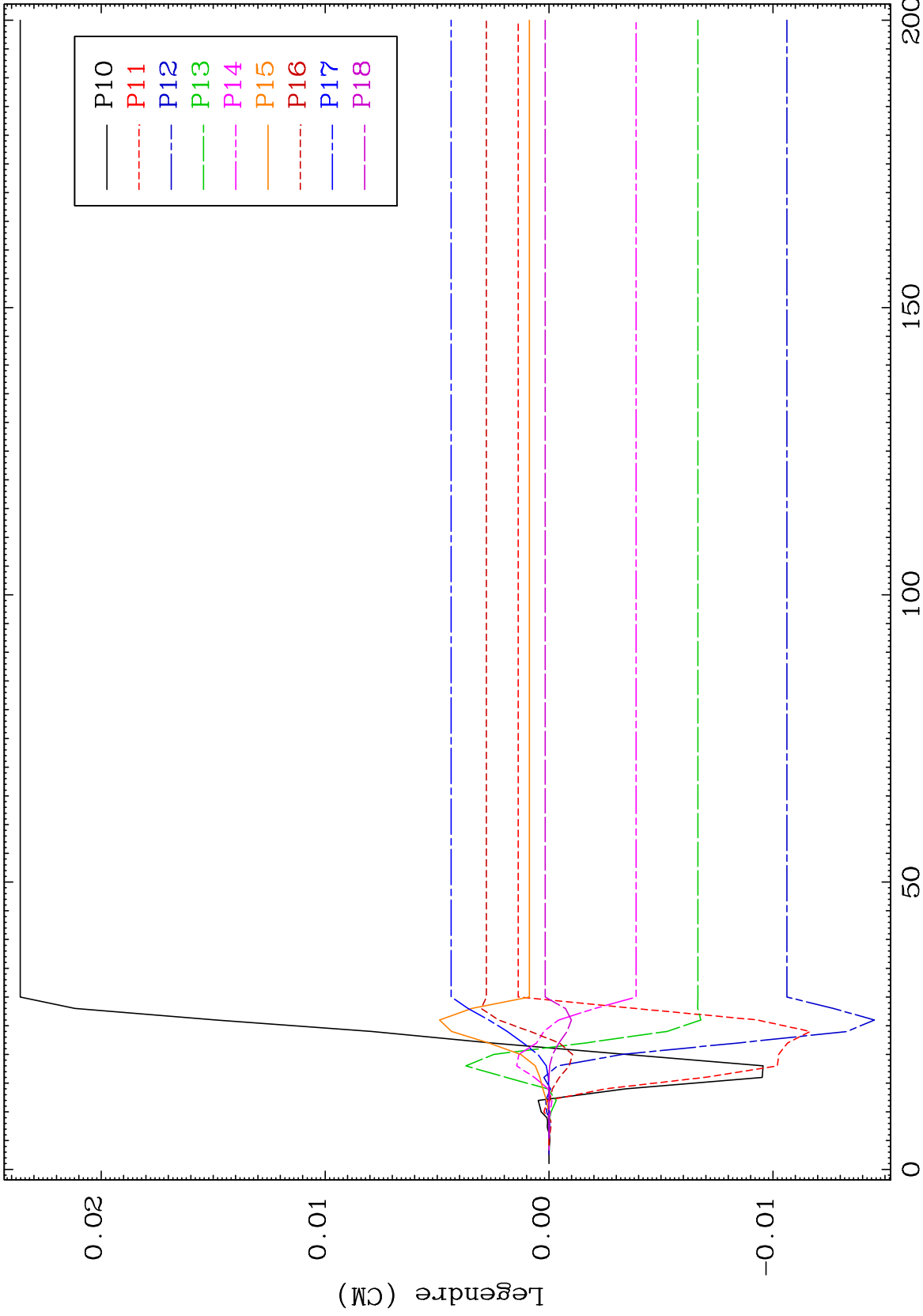
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



71

Incident Energy (MeV)

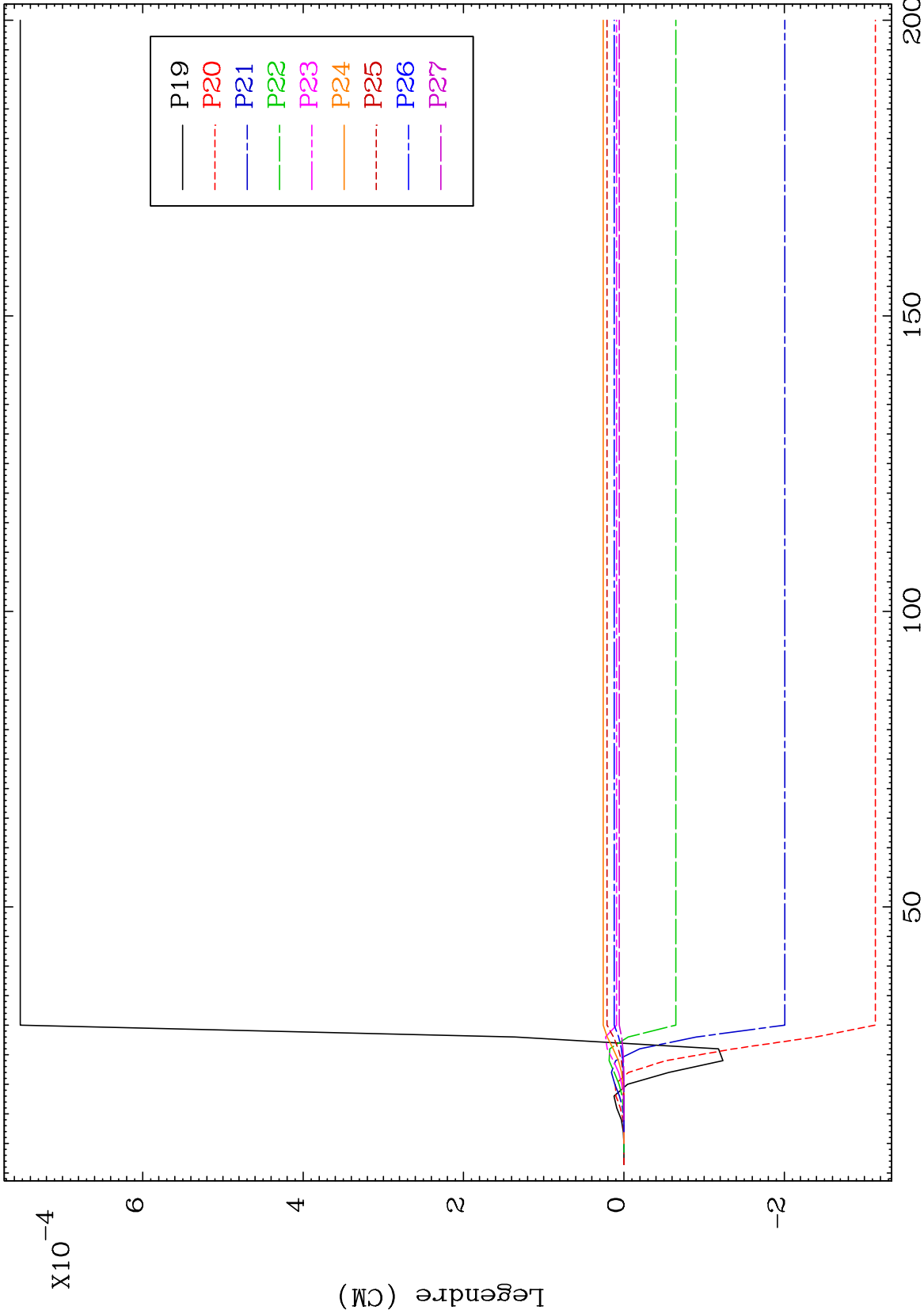
70-Yb-177



MAT 7052

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

70-Yb-177



72

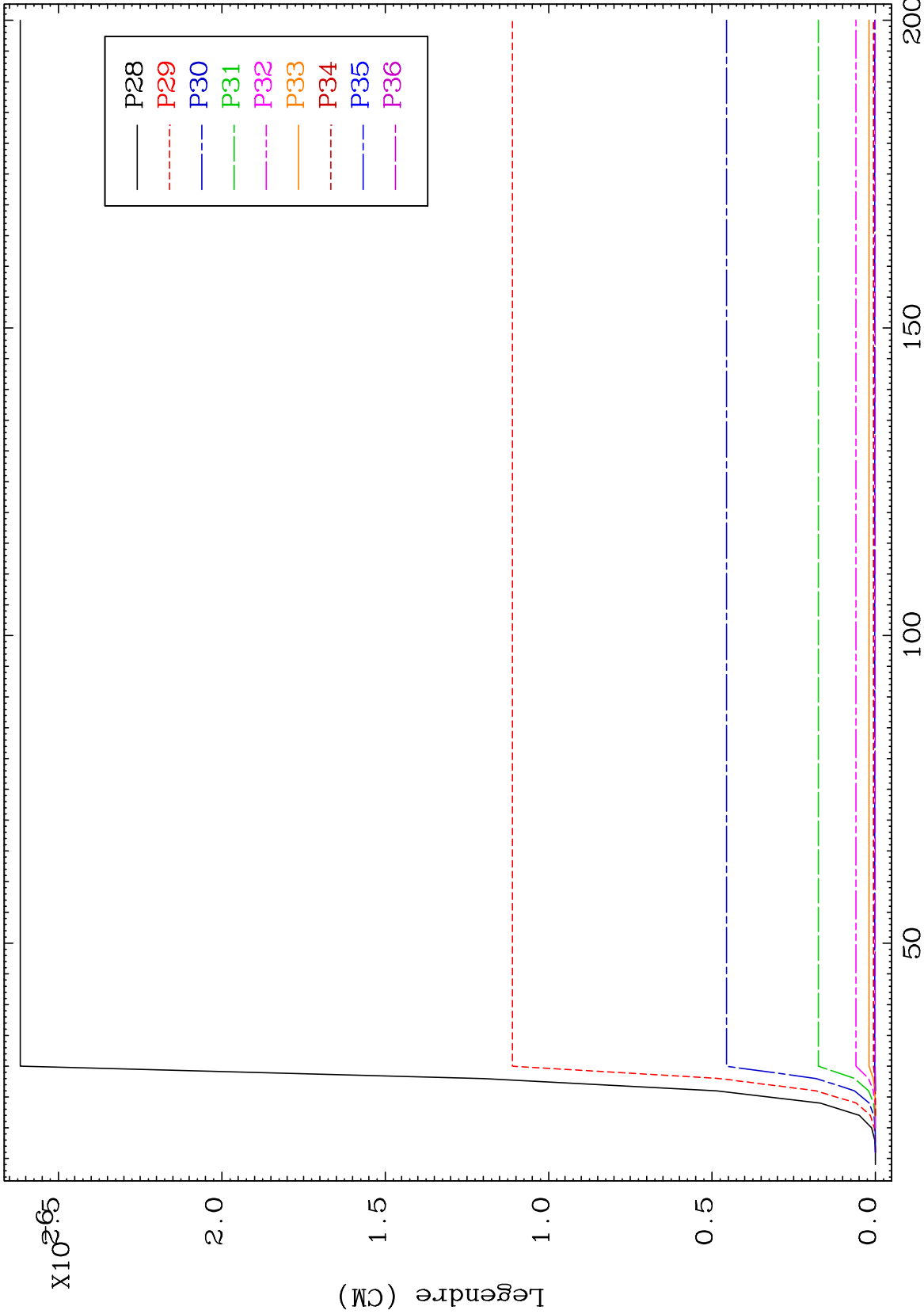
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



73

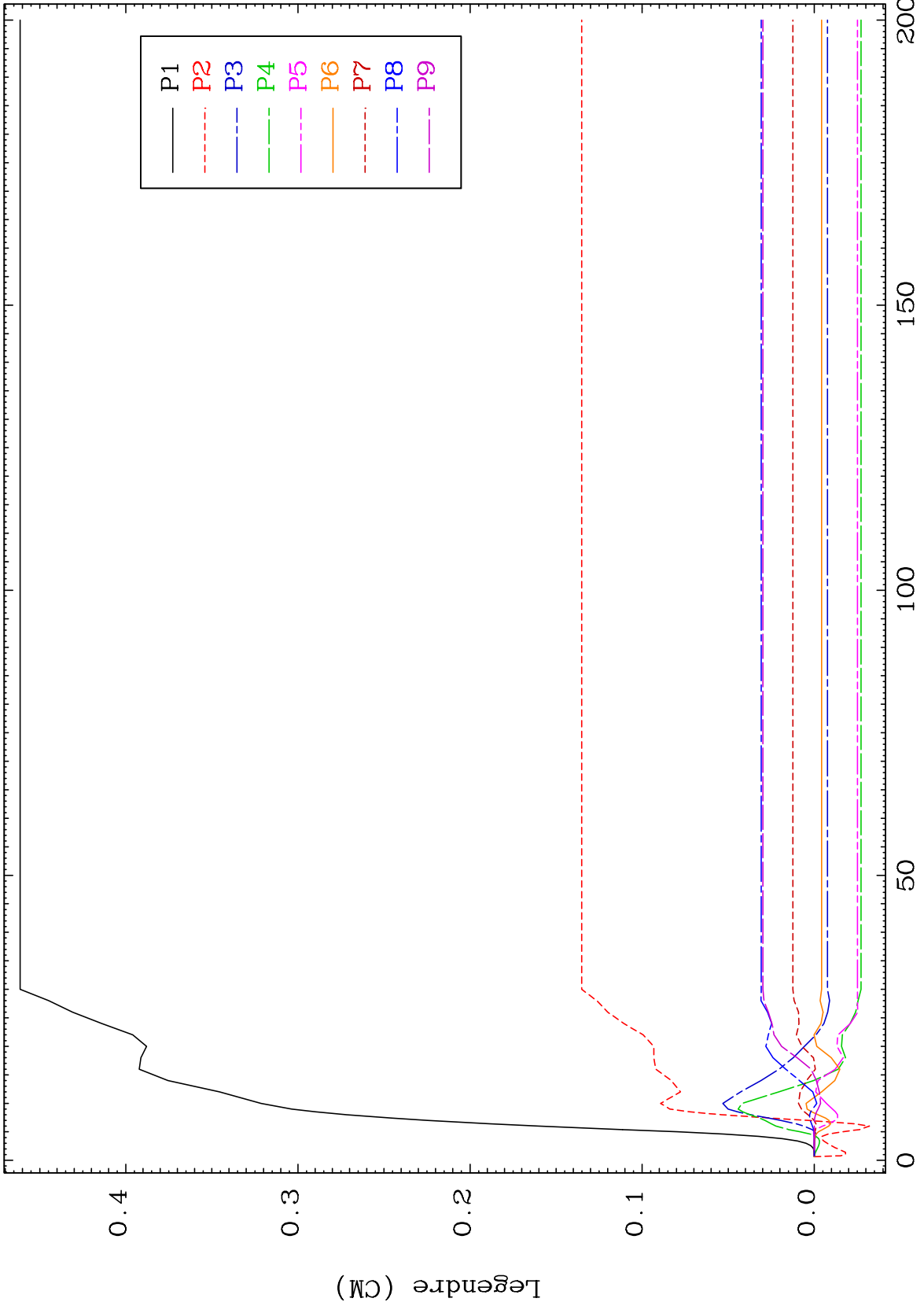
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



74

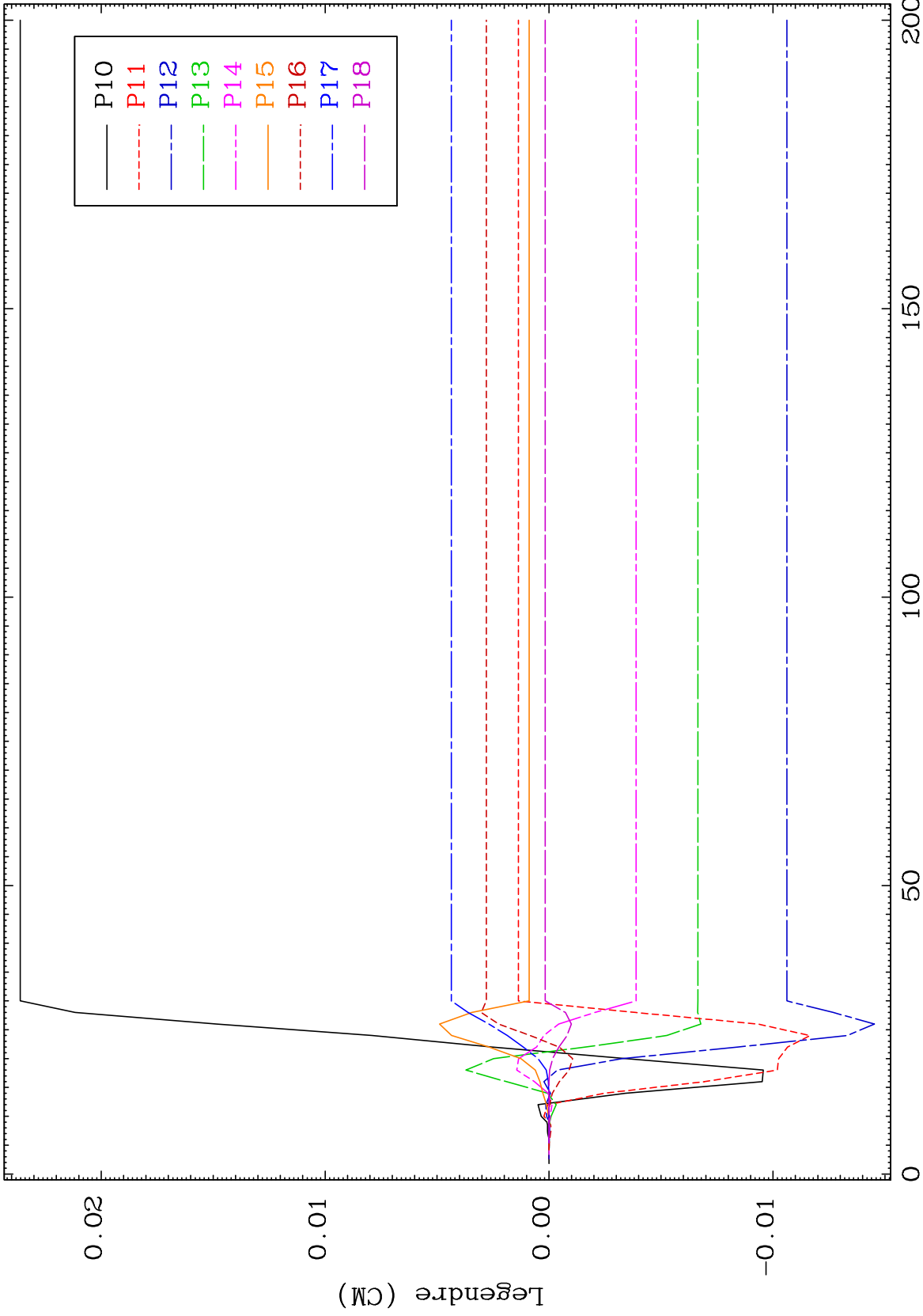
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



75

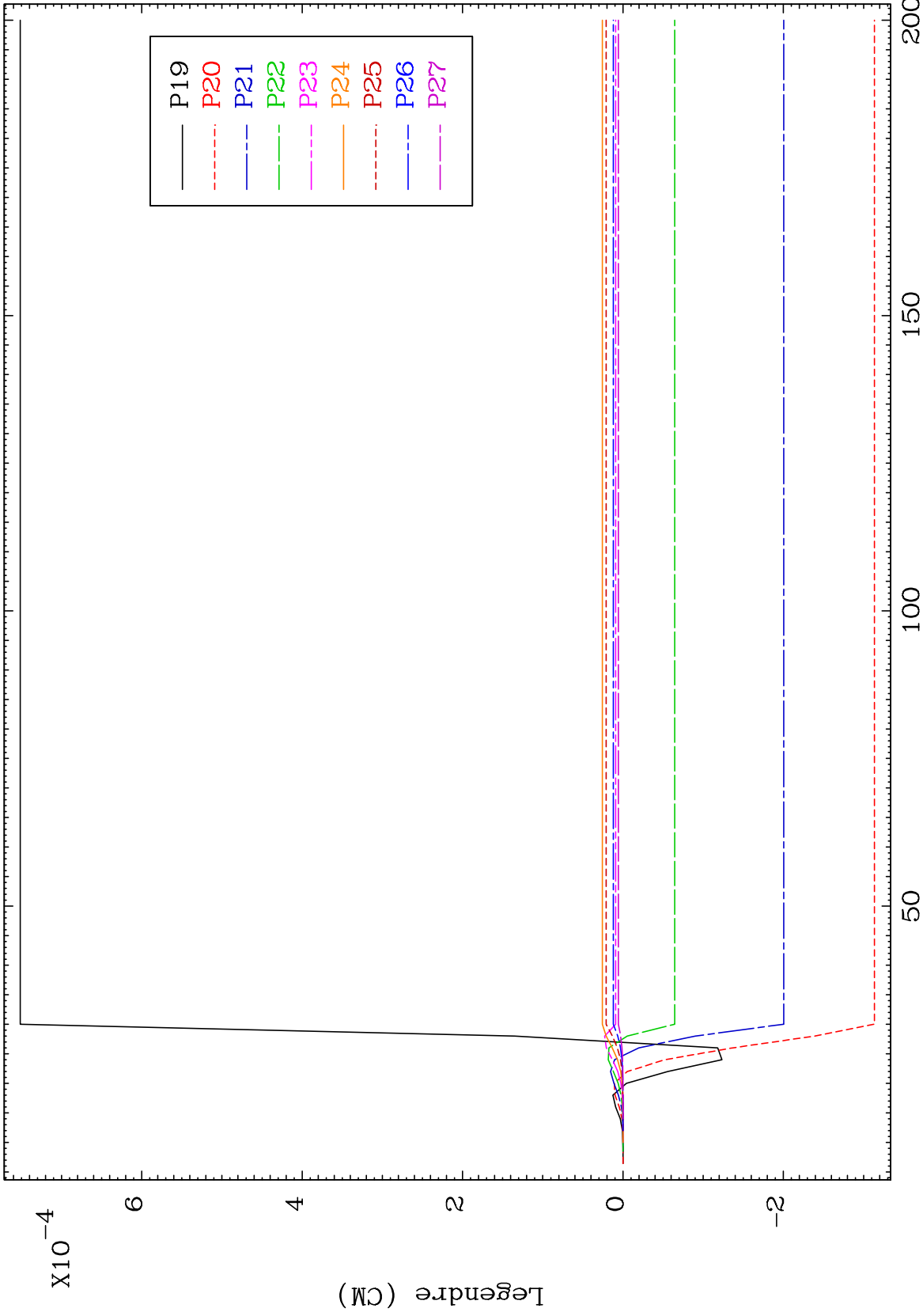
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



76

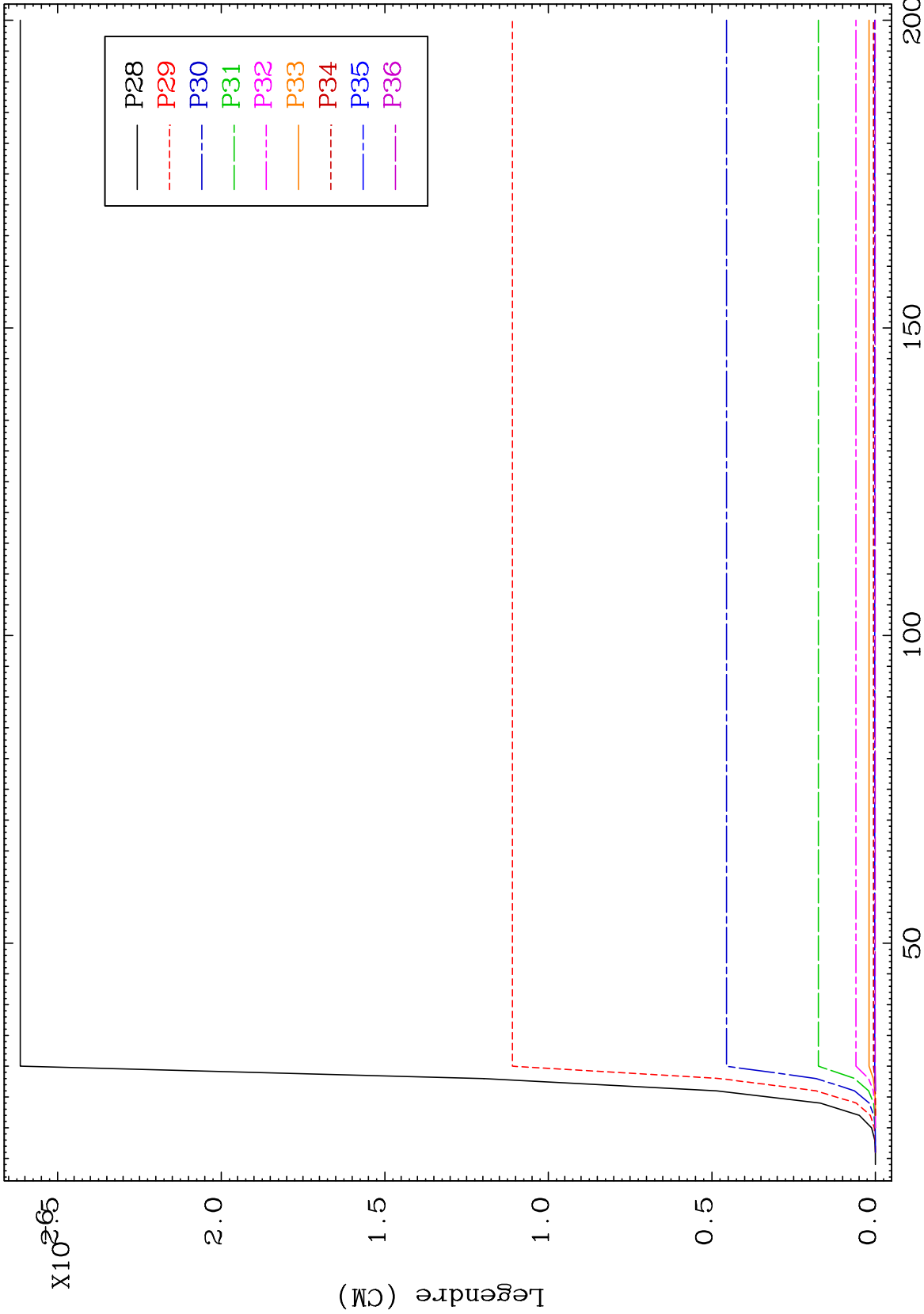
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



77

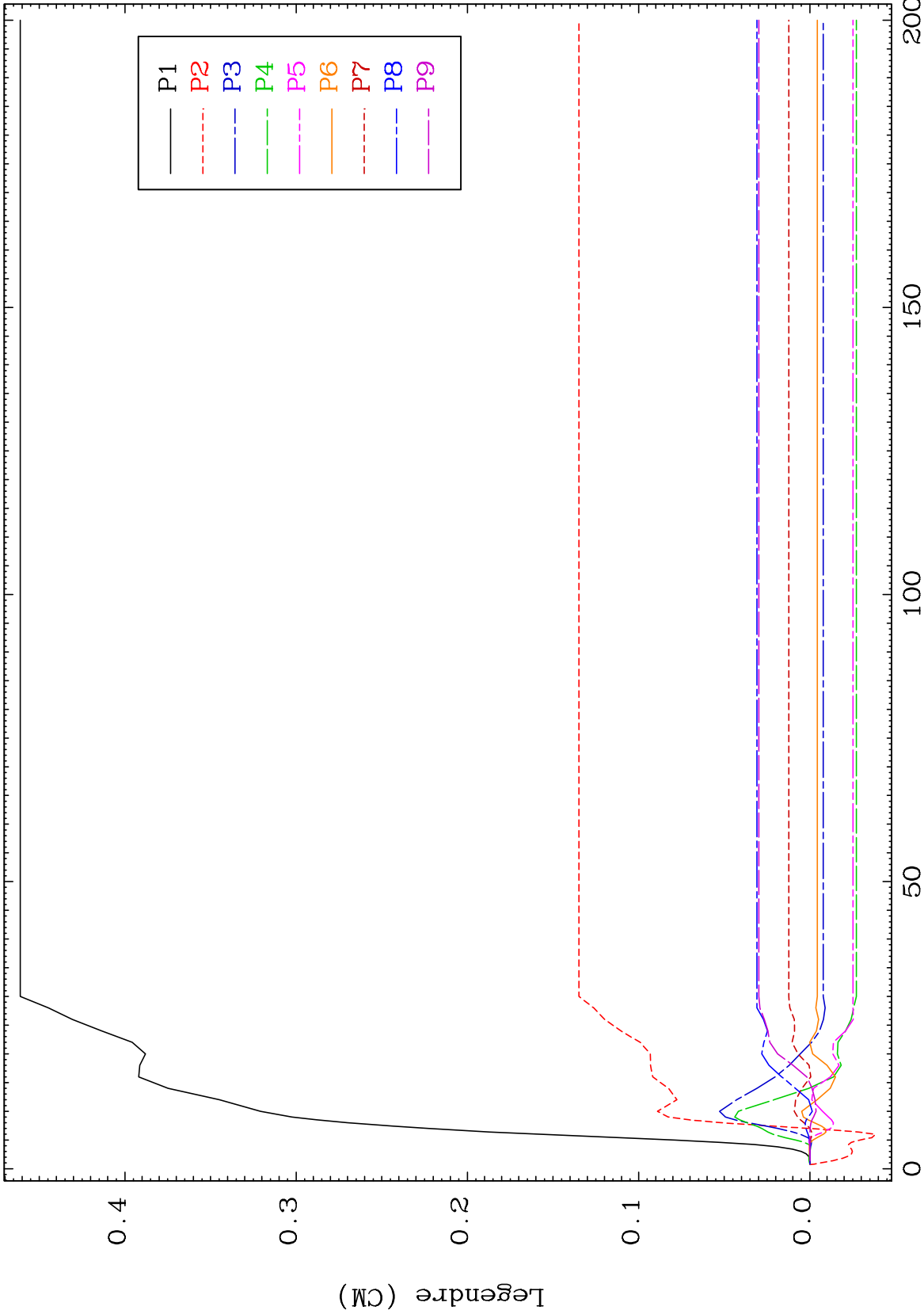
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



78

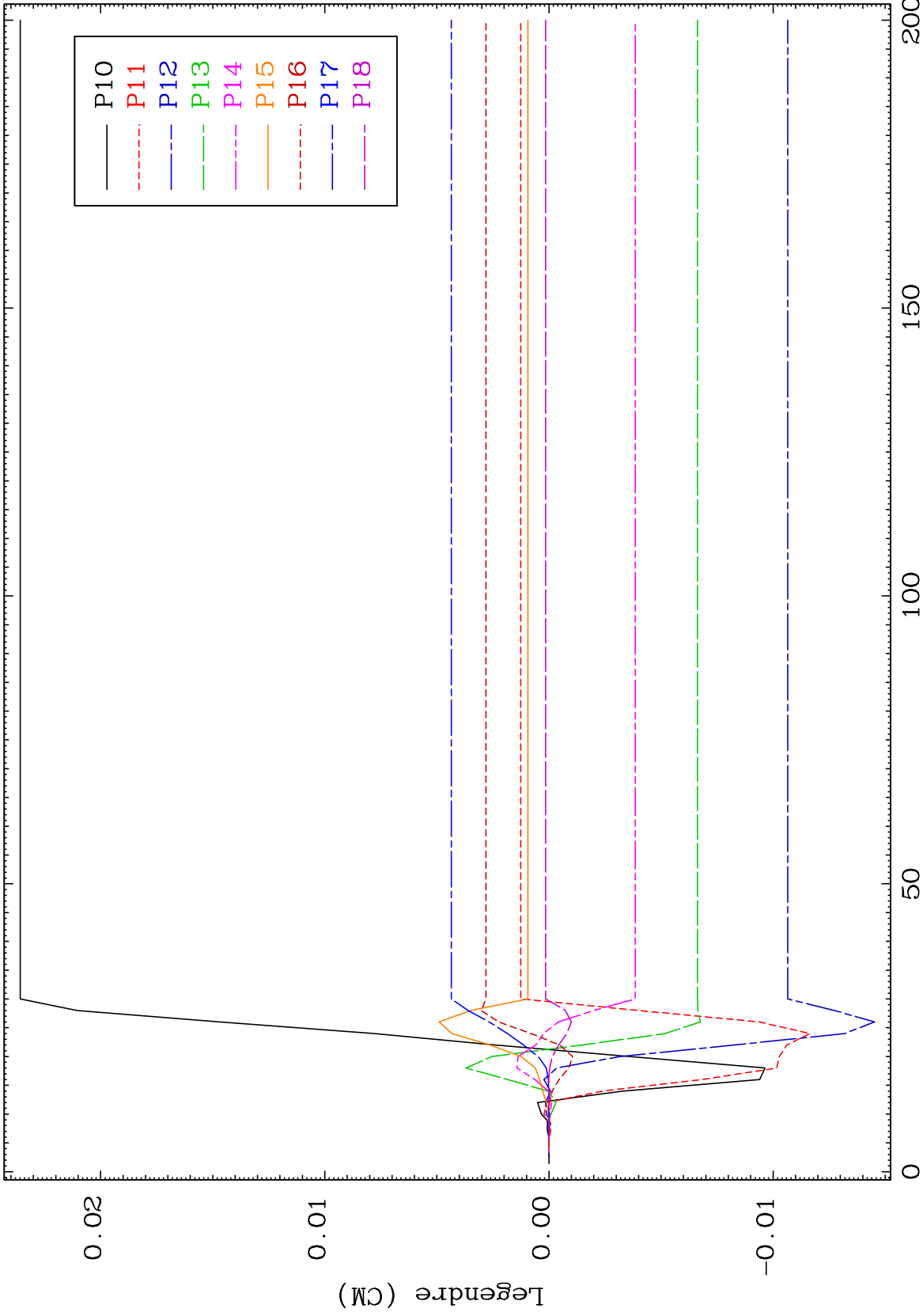
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



79

Incident Energy (MeV)

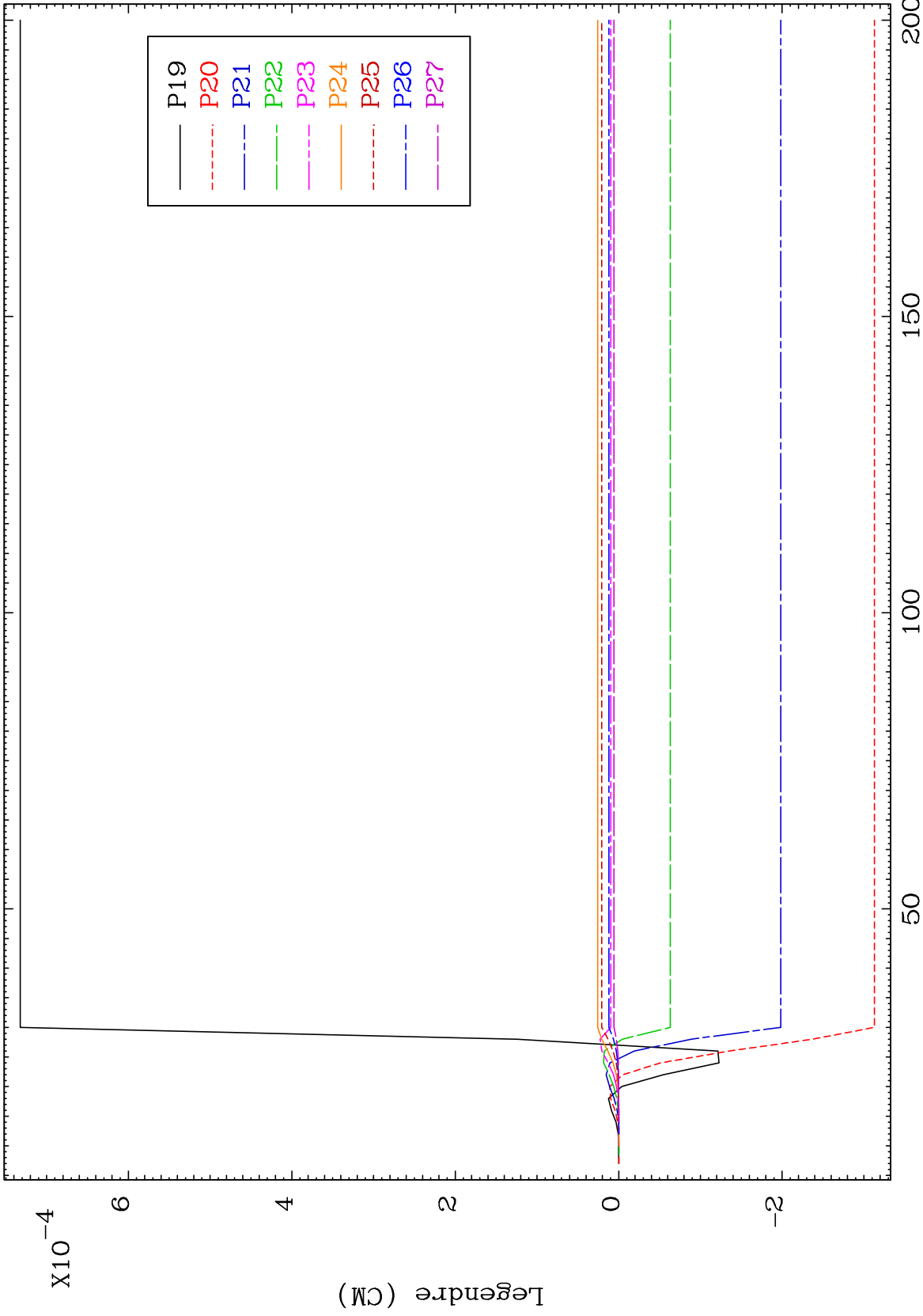
70-Yb-177



MAT 7052

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

70-Yb-177



80

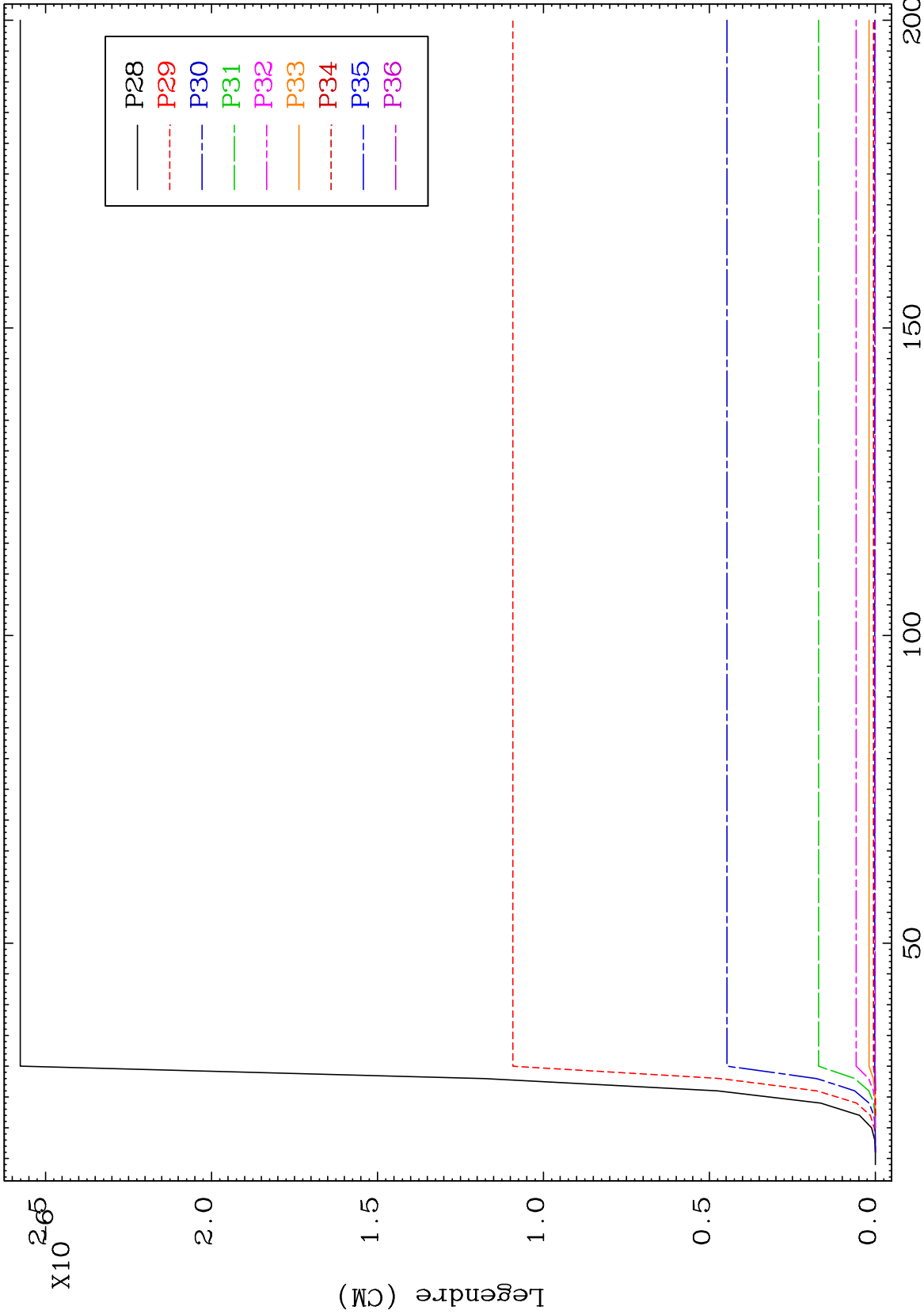
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



81

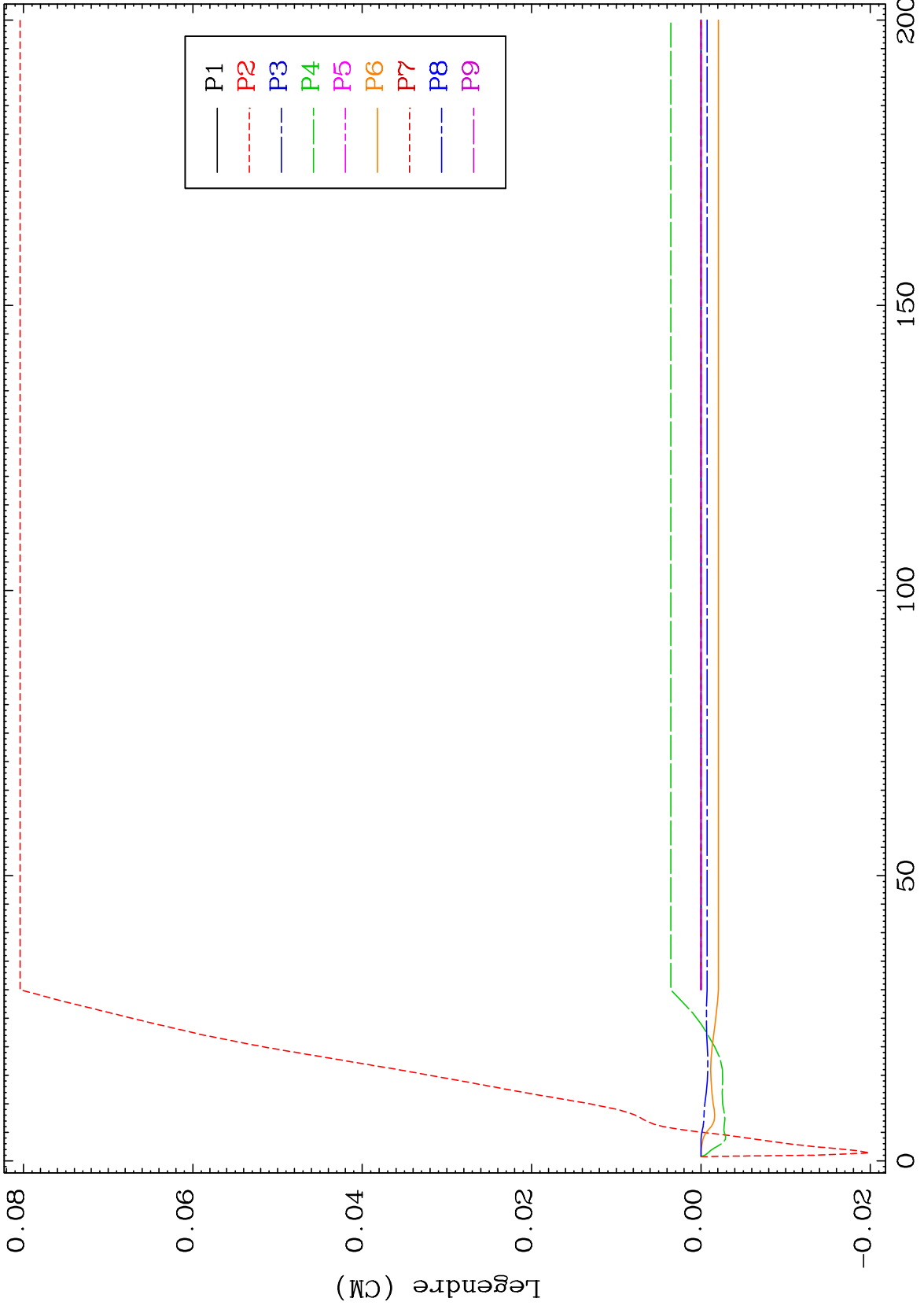
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



82

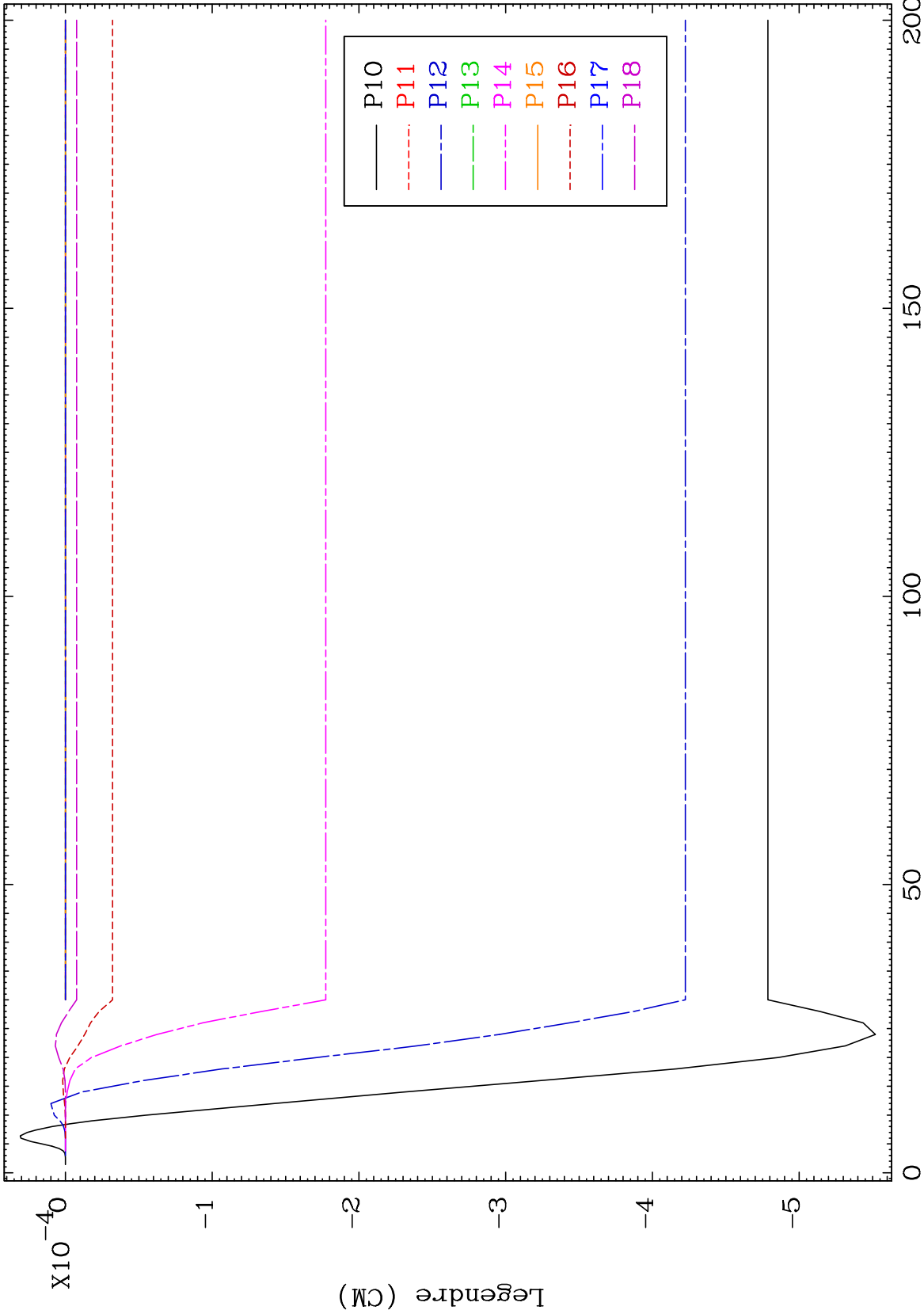
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

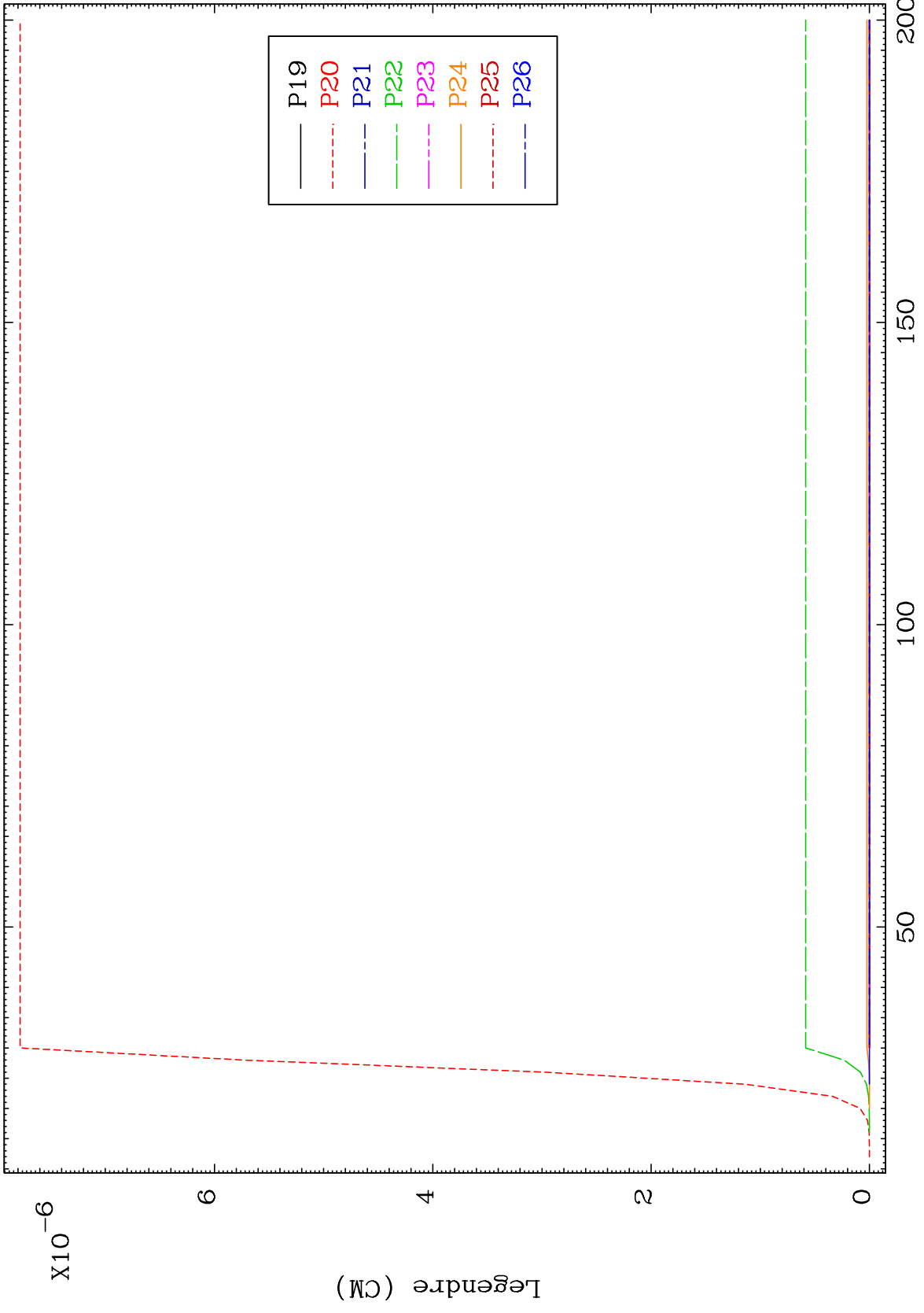
70-Yb-177



83

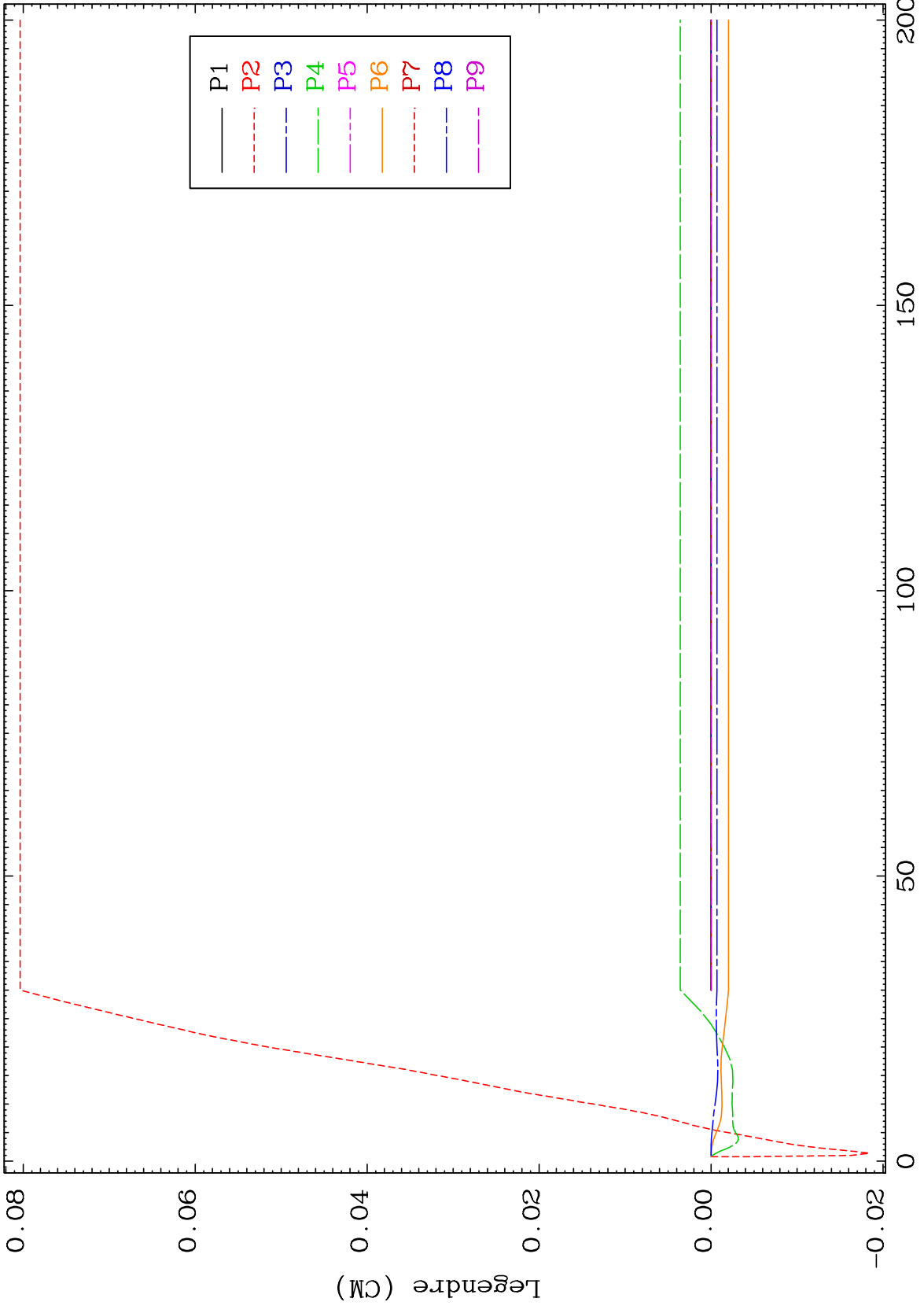
70-Yb-177

MAT 7052 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-177



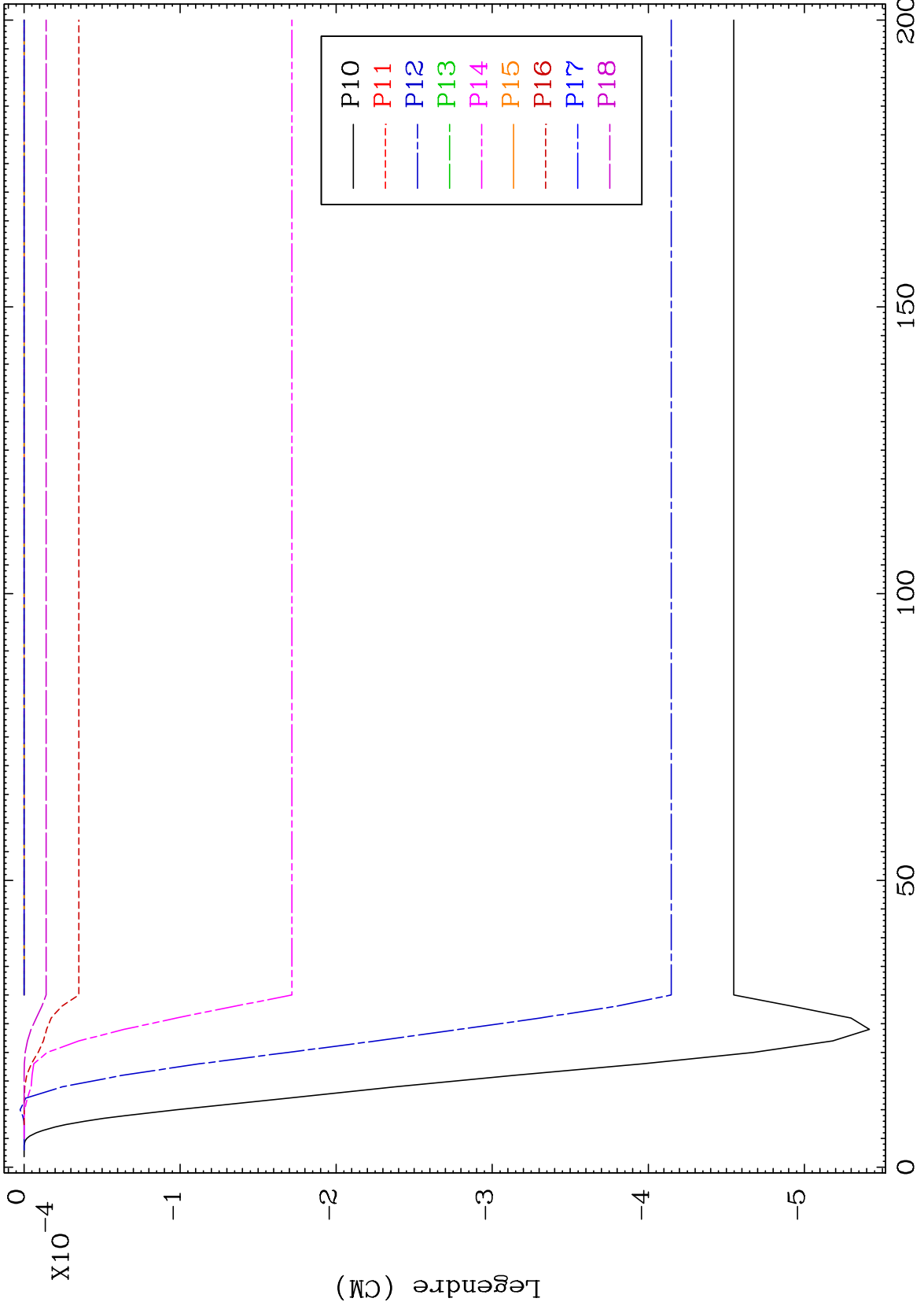
84 Incident Energy (MeV) 70-Yb-177

MAT 7052 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-177



85 Incident Energy (MeV) 70-Yb-177

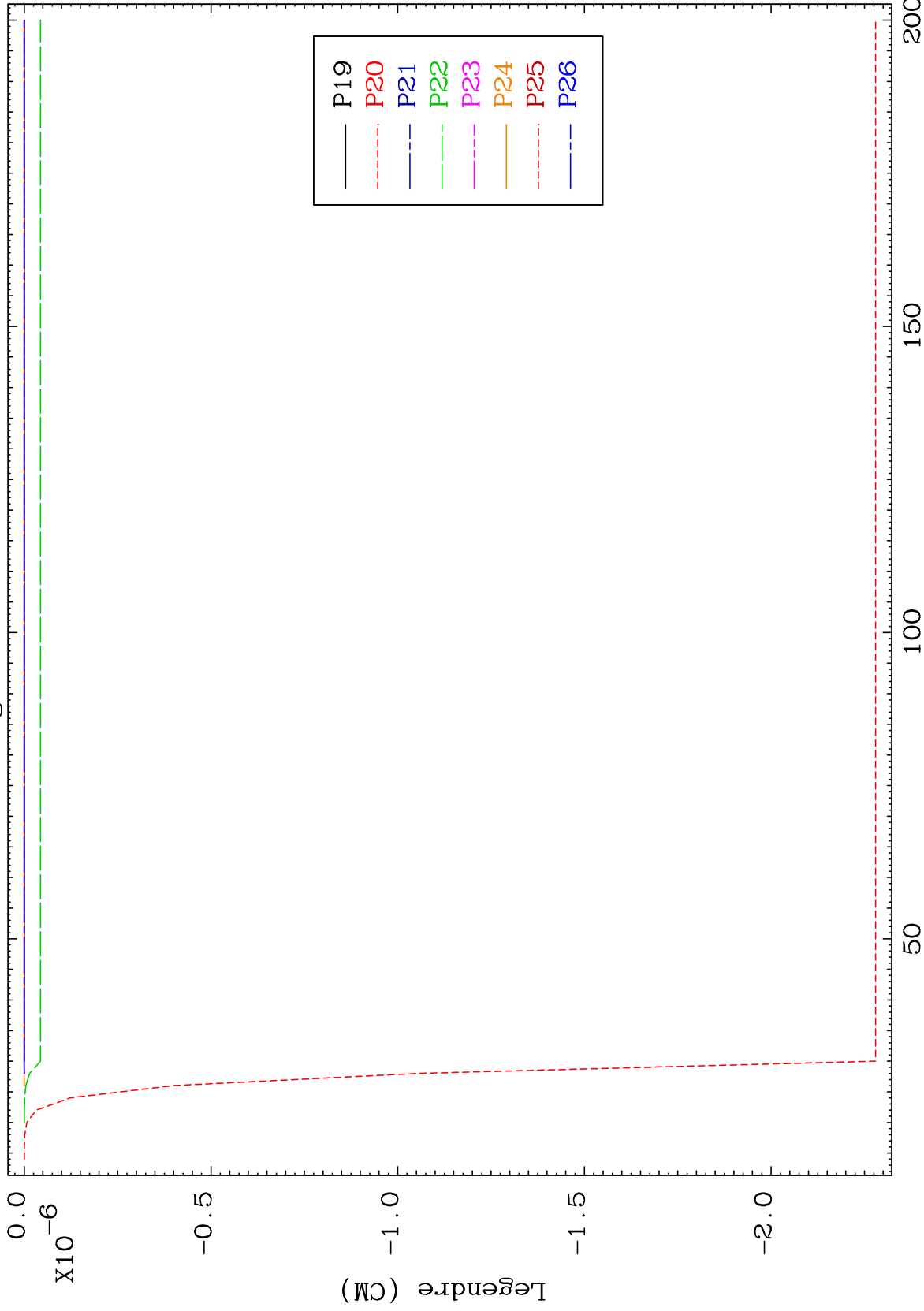
MAT 7052 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-177



MAT 7052 MT= 69 (n,n') Level

Legendre Coefficients

70-Yb-177



87

Incident Energy (MeV)

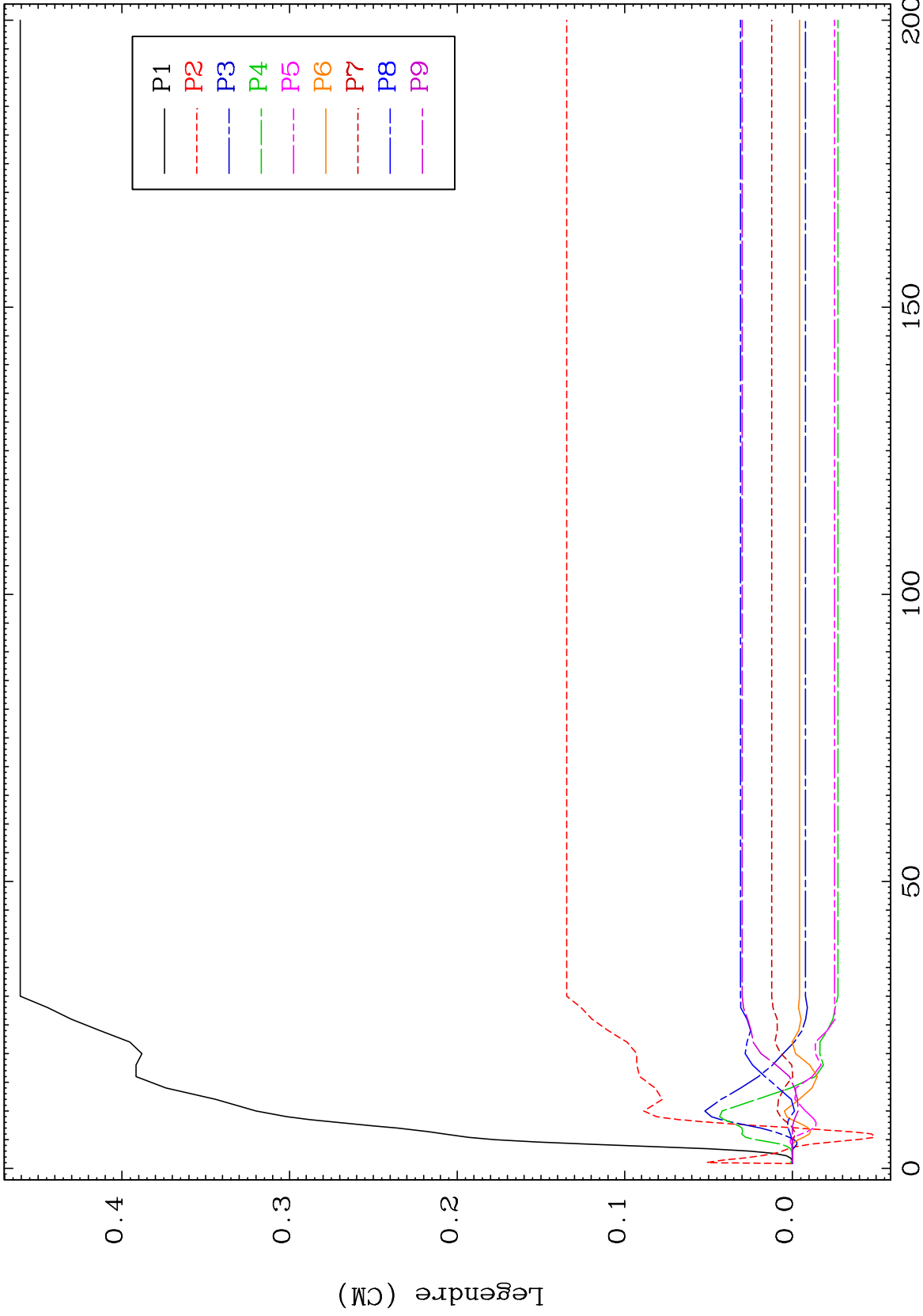
70-Yb-177



MAT 7052

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

70-Yb-177



88

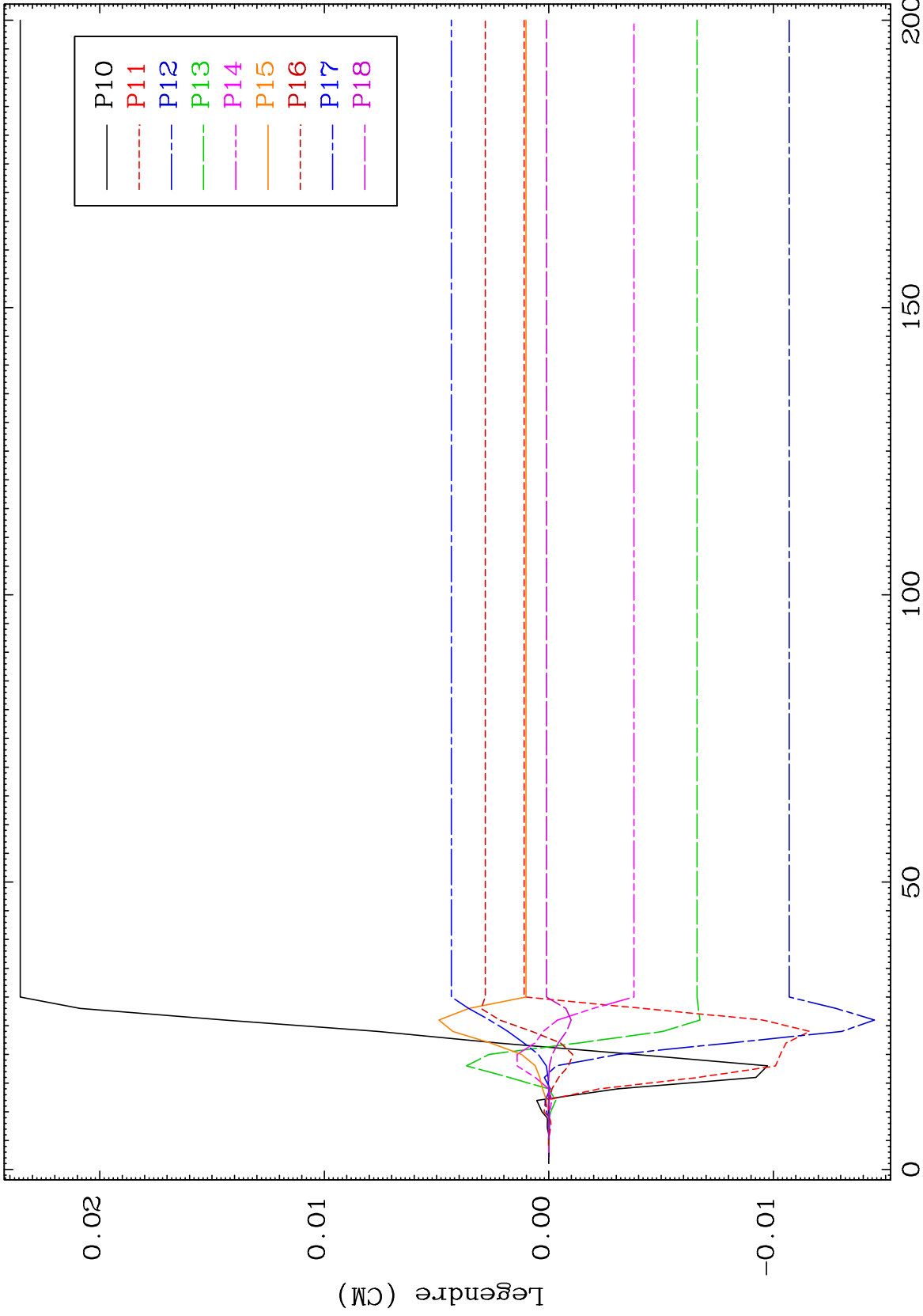
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



89

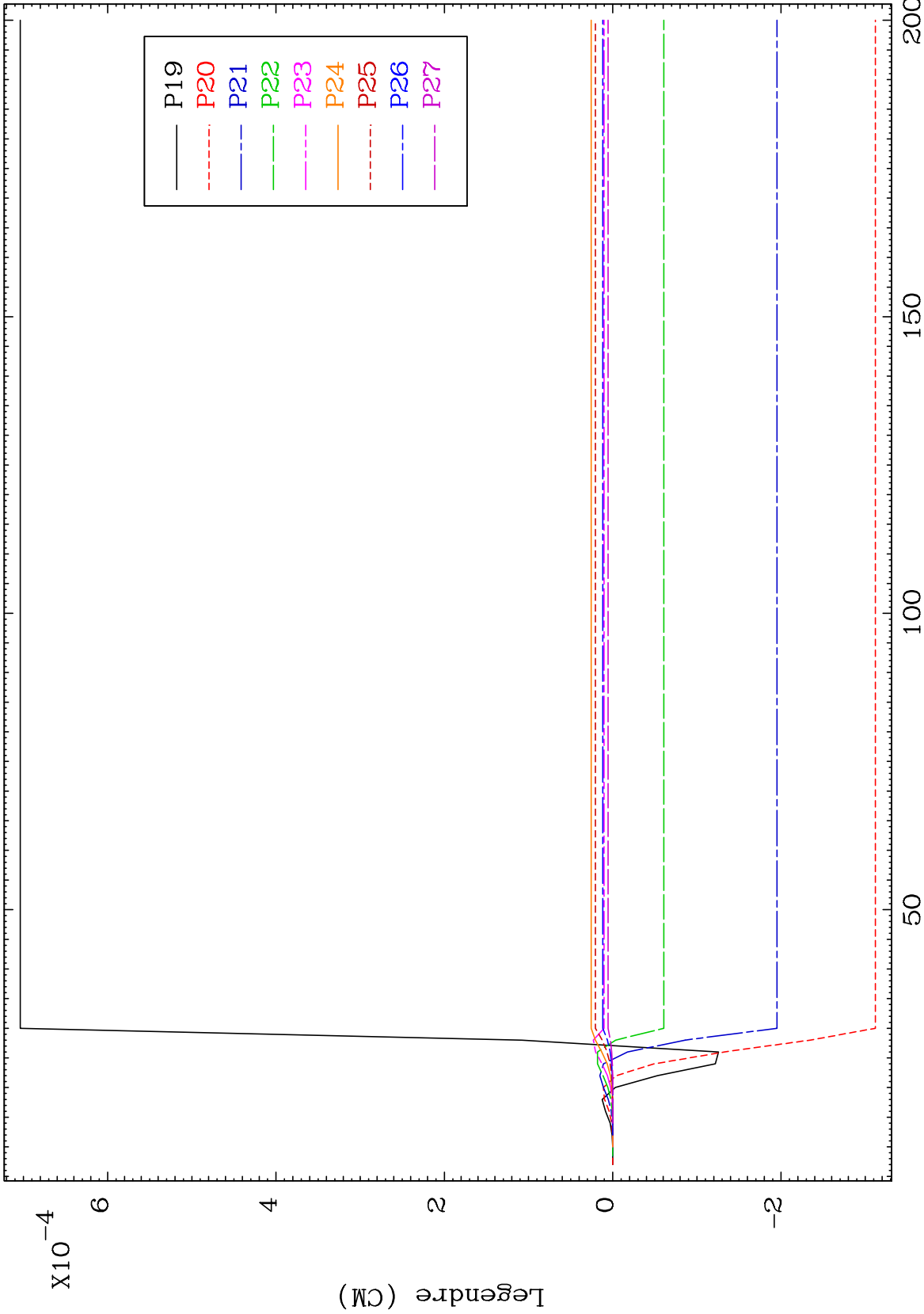
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



90

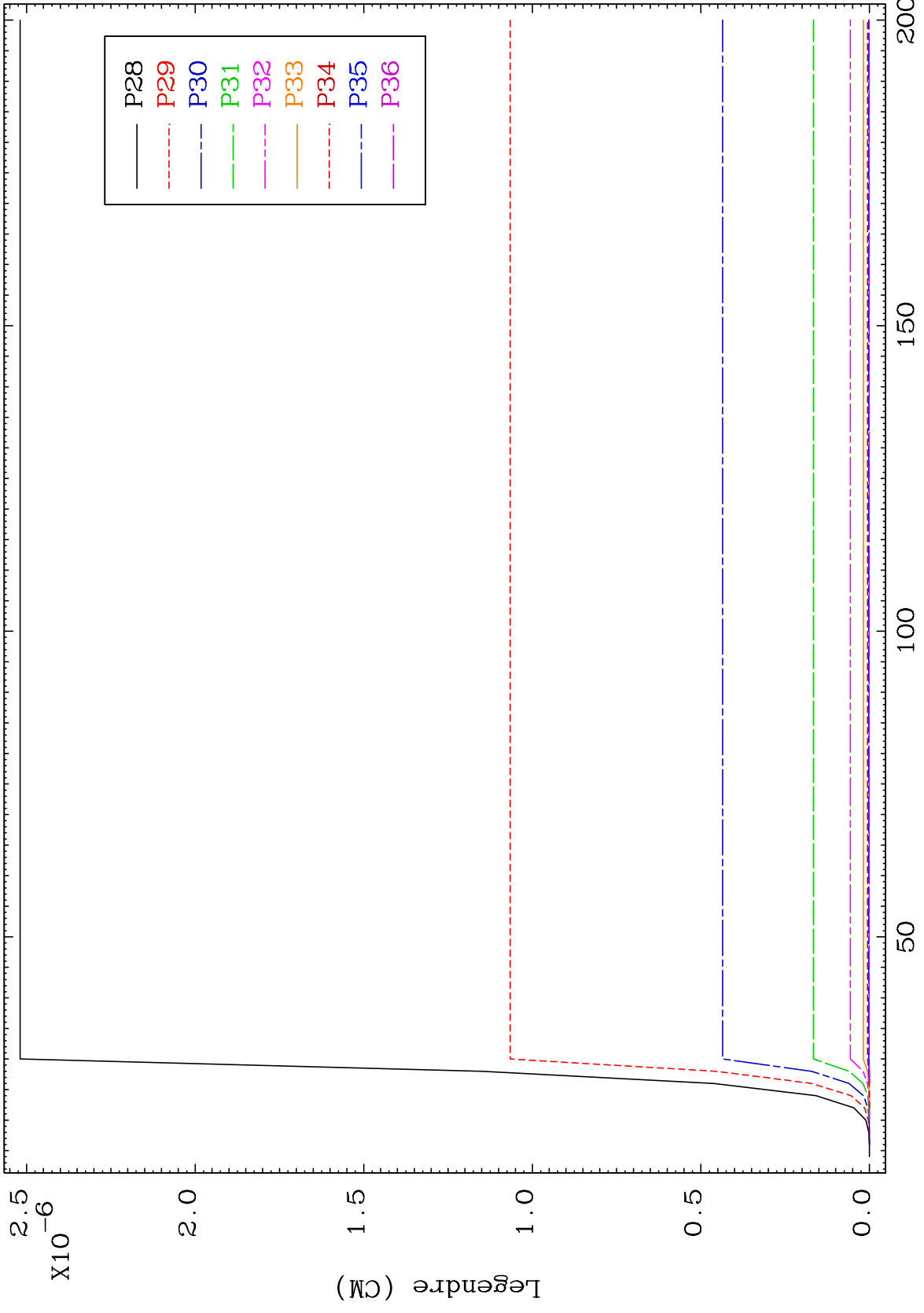
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



91

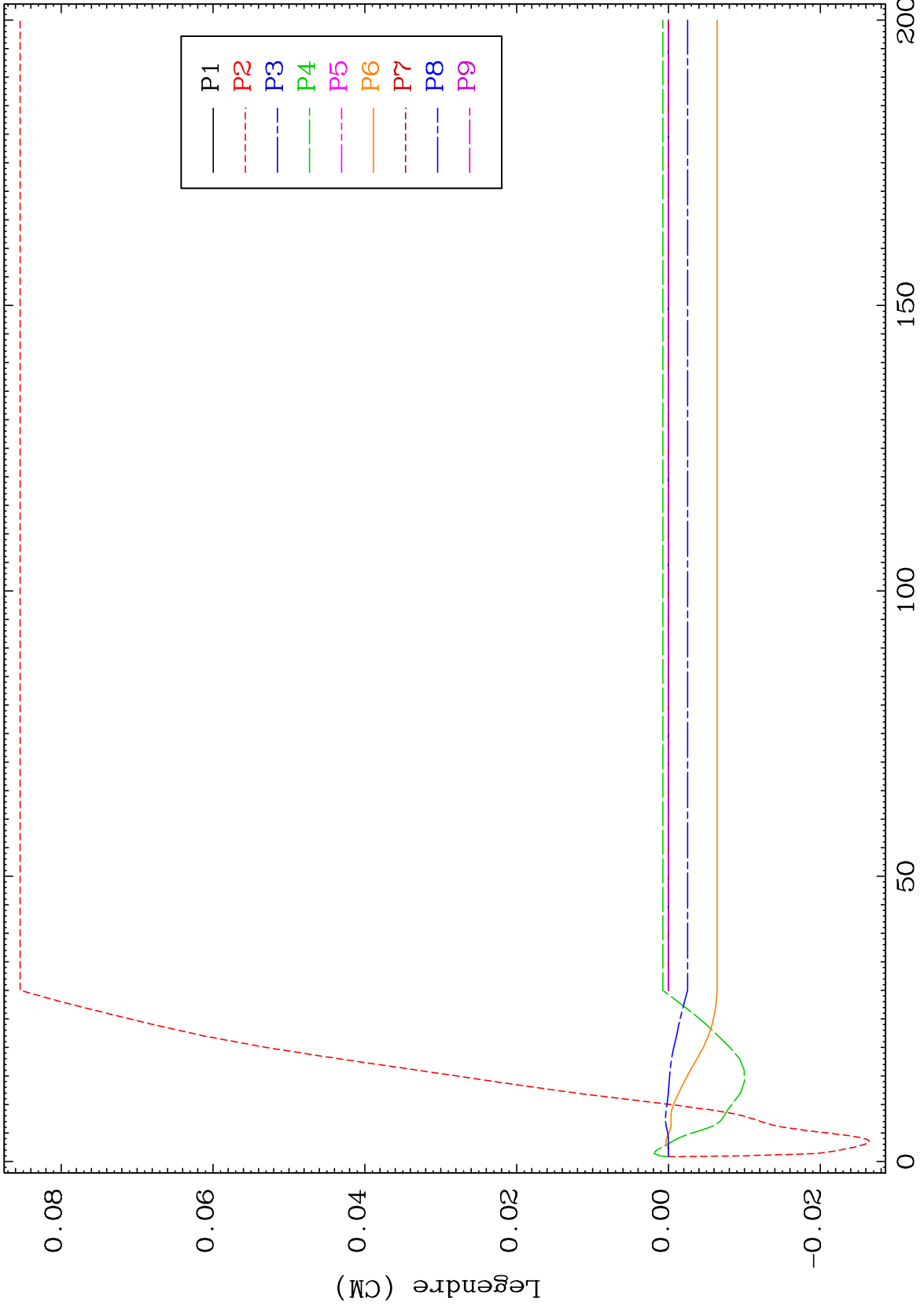
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



92

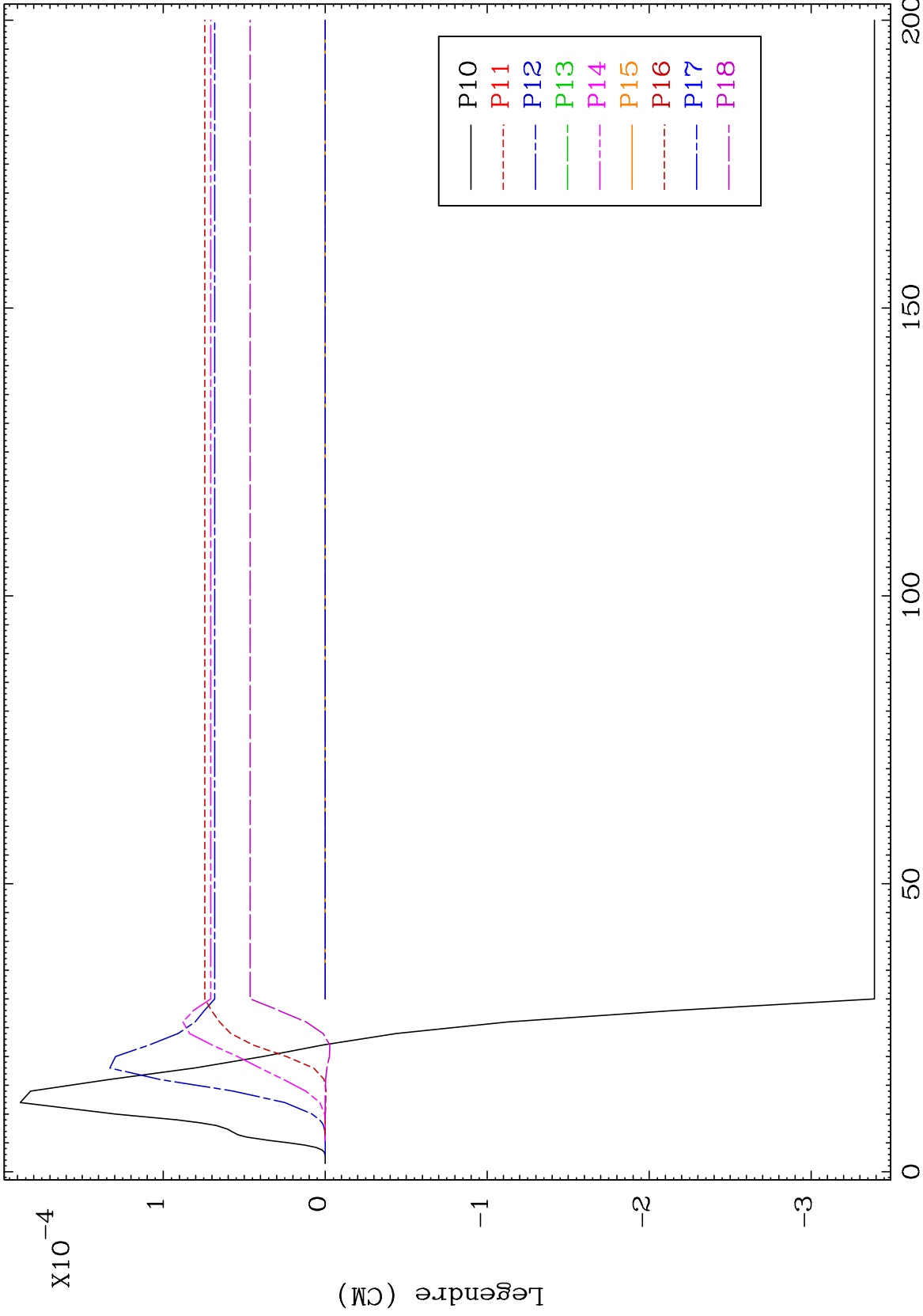
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



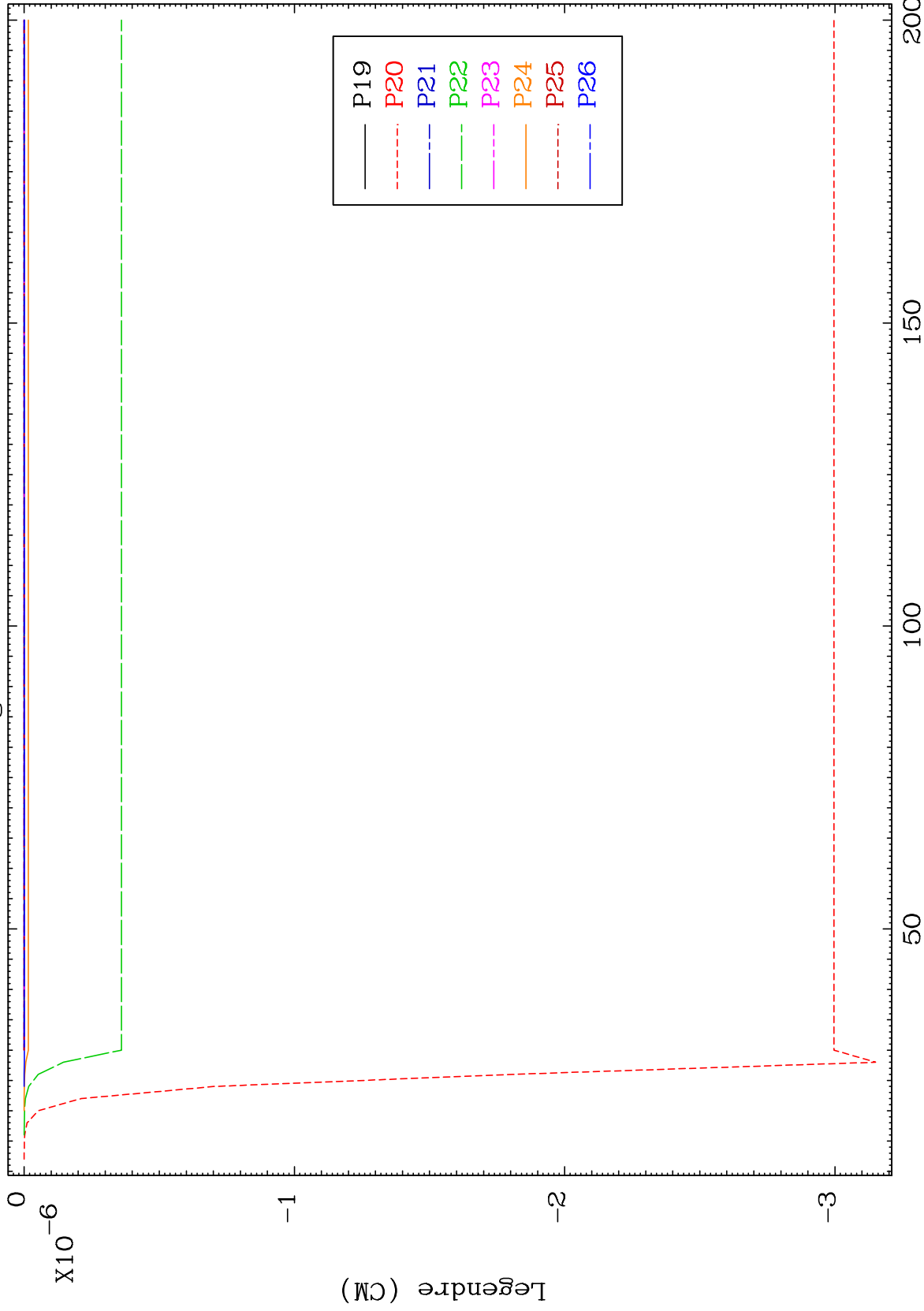
93

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 71 (n,n') Level 70-Yb-177

Legendre Coefficients



94

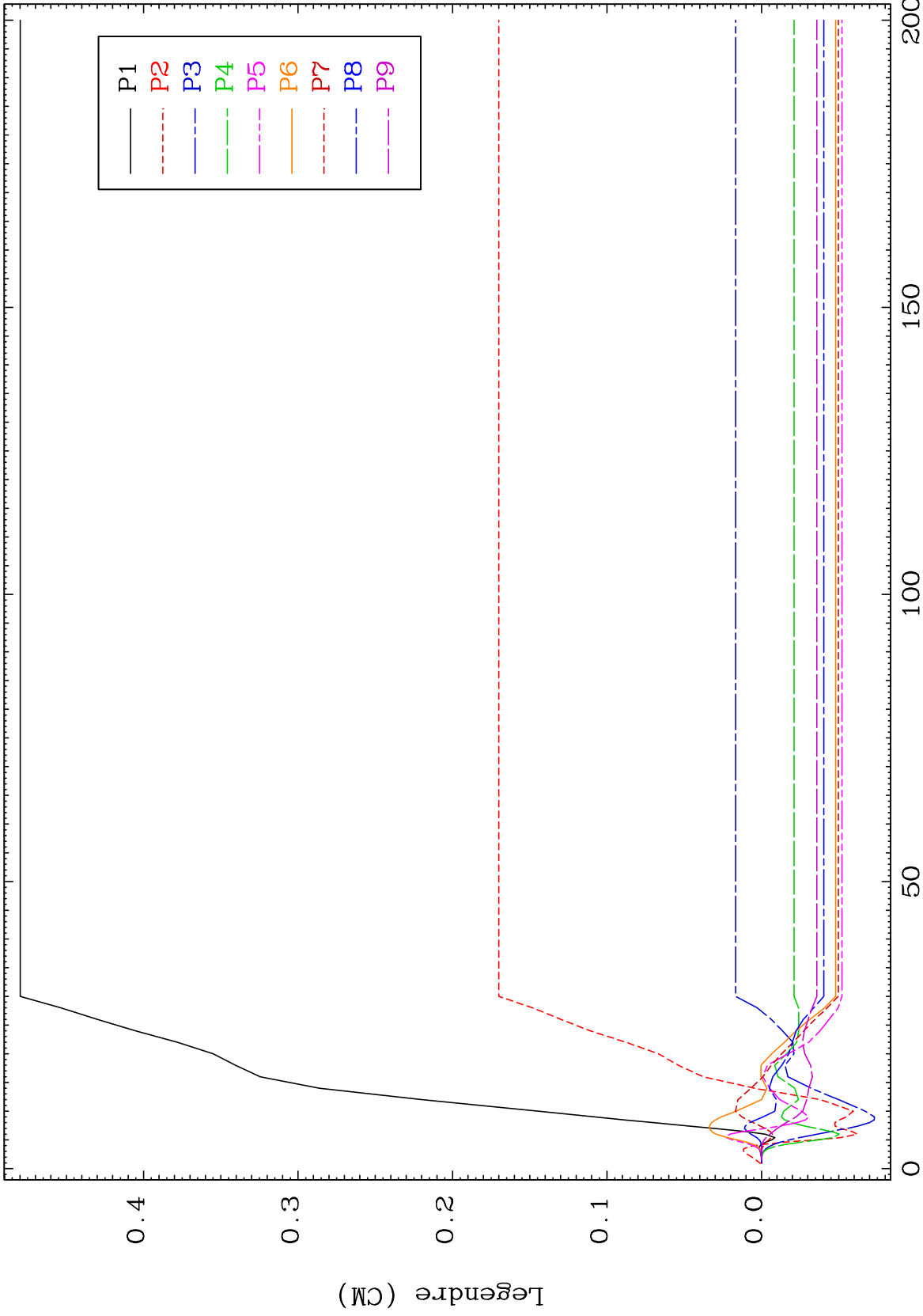
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



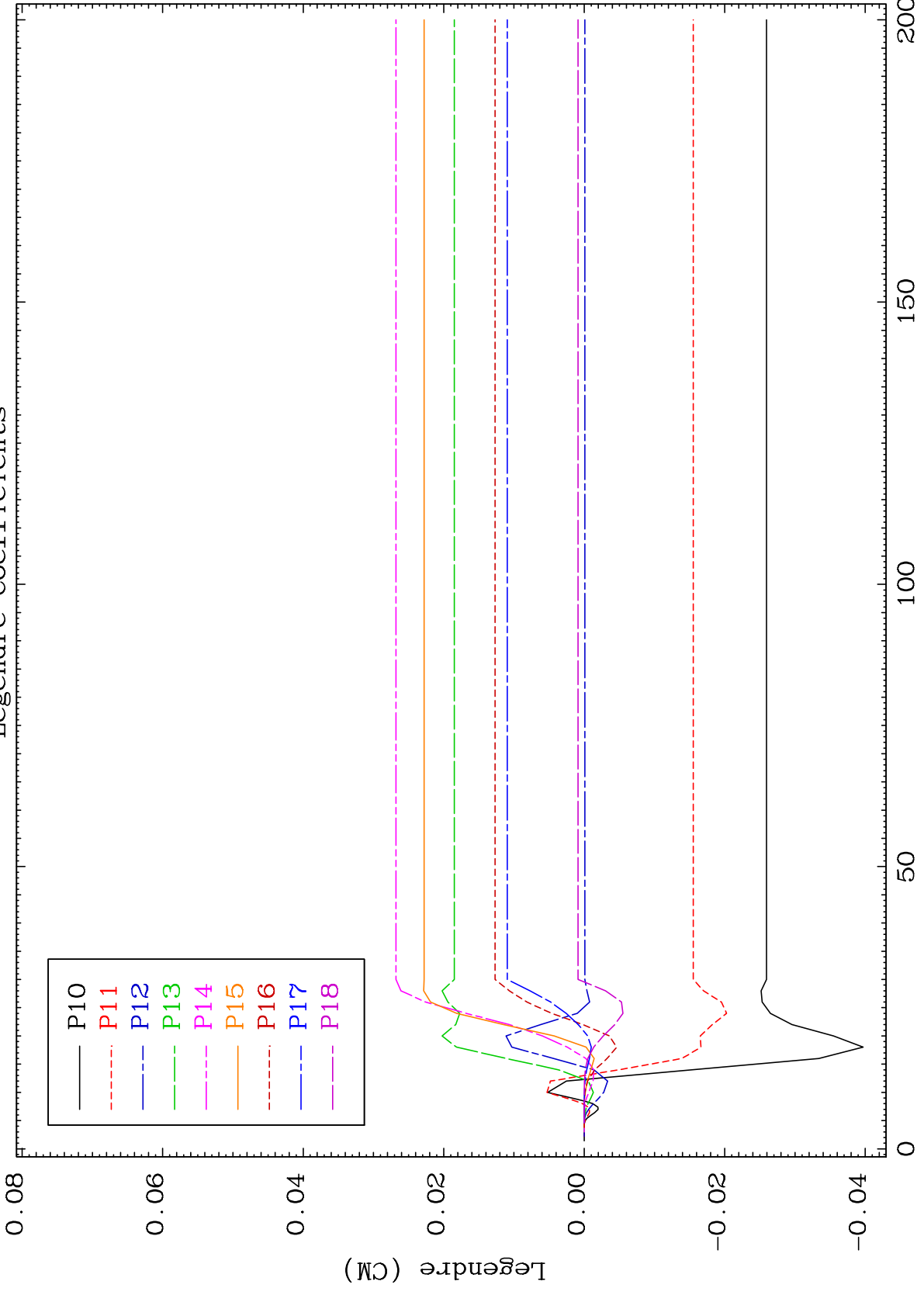
95

Incident Energy (MeV)

70-Yb-177



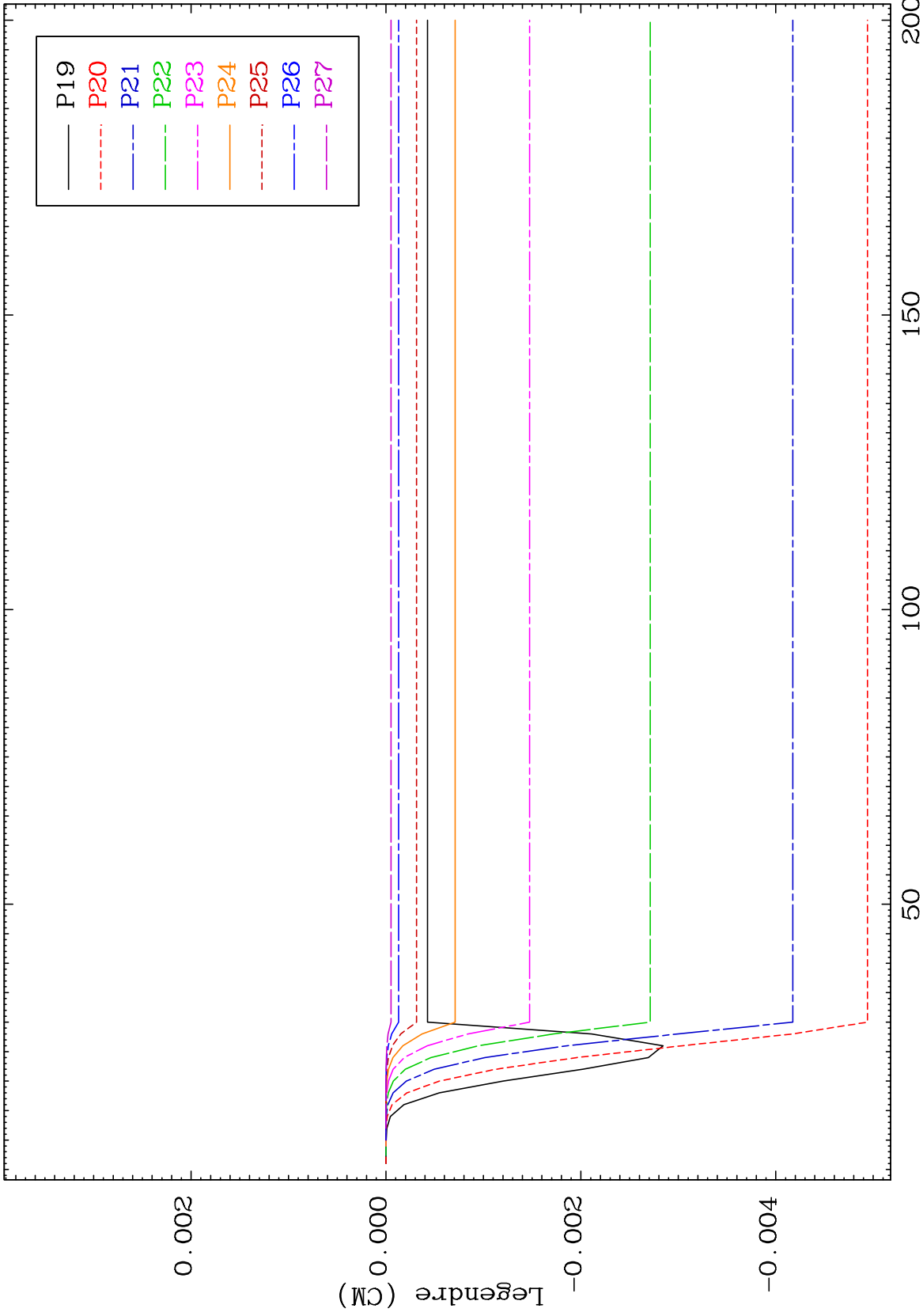
MAT 7052 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-177



MAT 7052

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

70-Yb-177



97

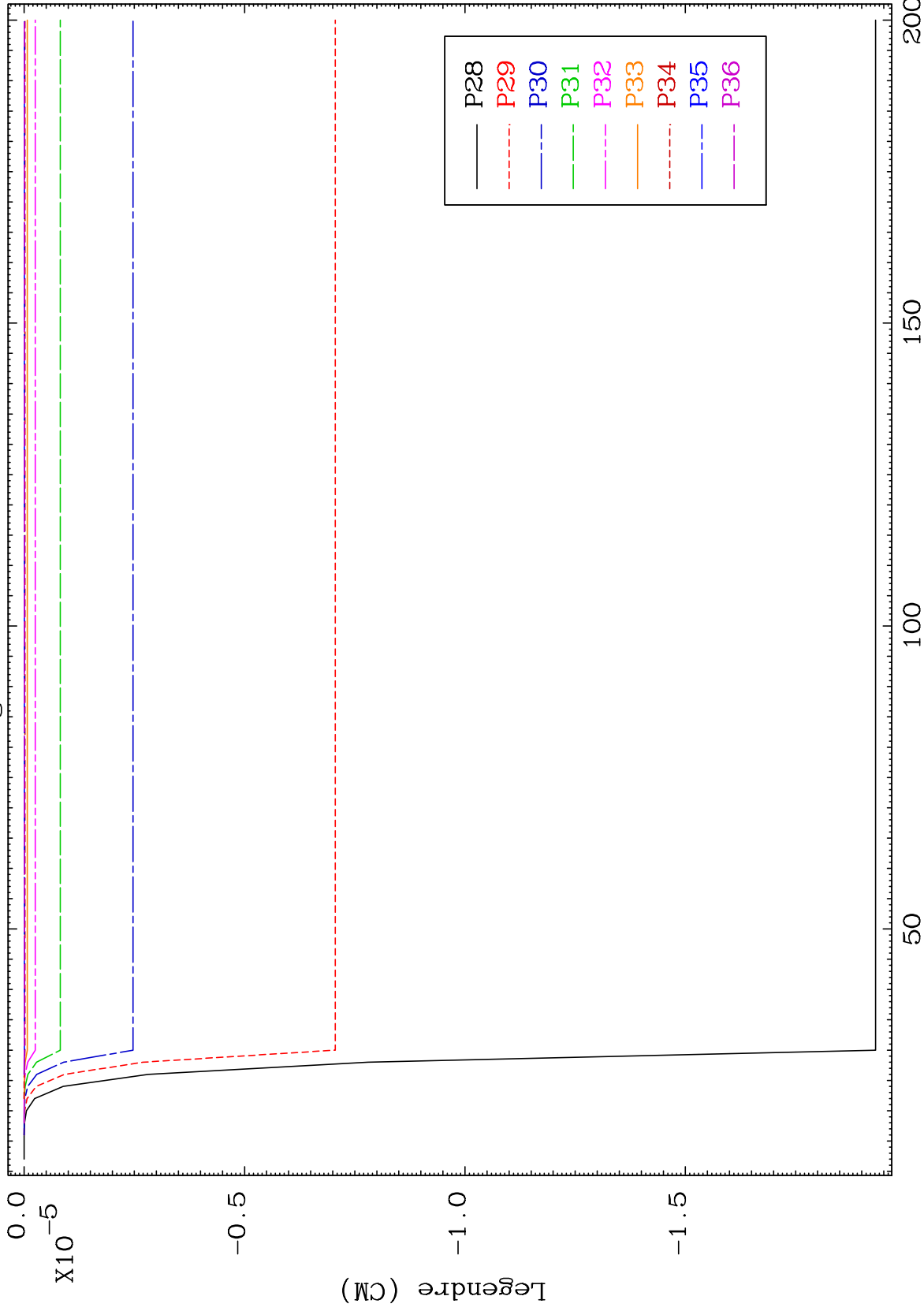
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



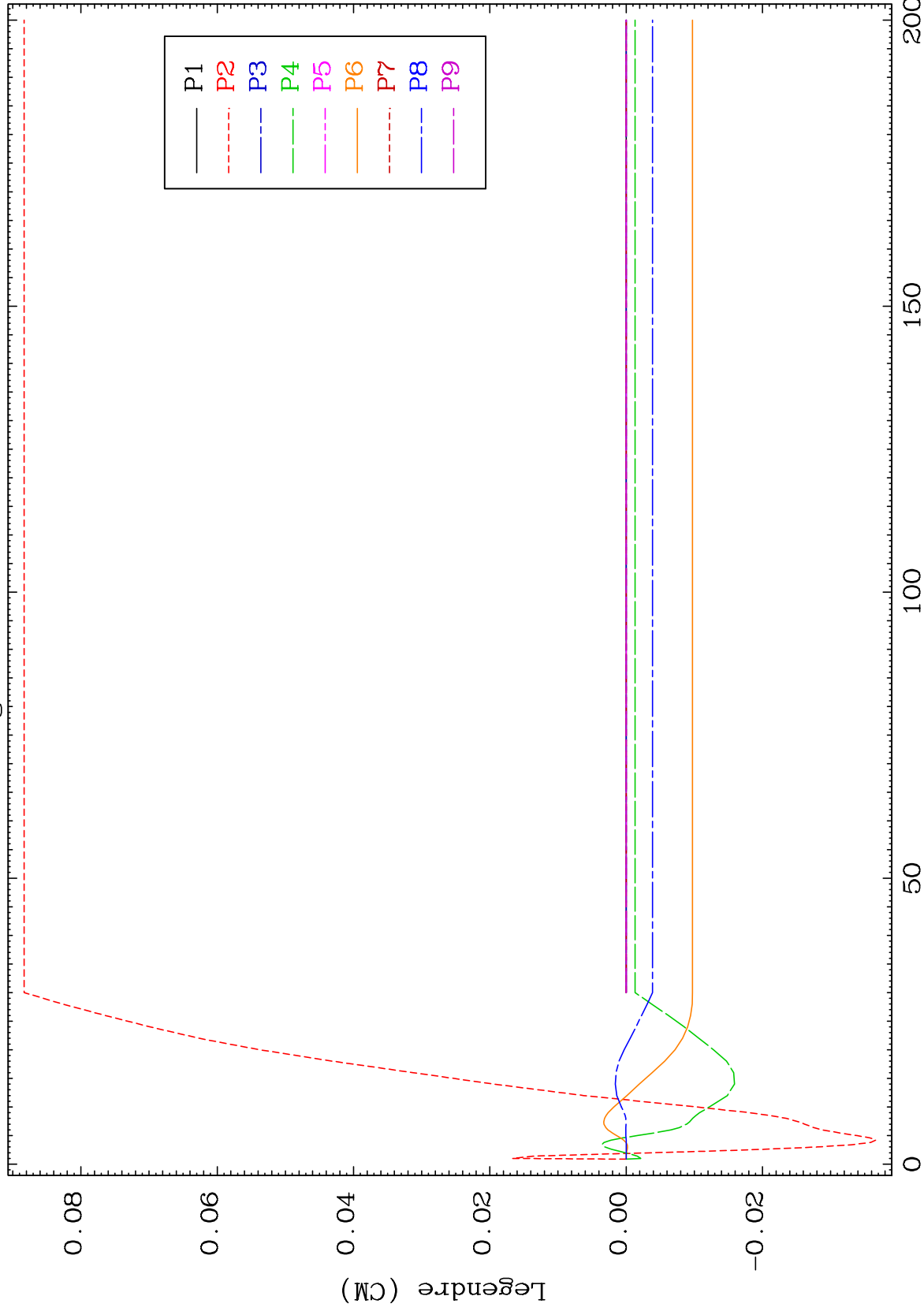
98

70-Yb-177

MAT 7052

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

70-Yb-177



99

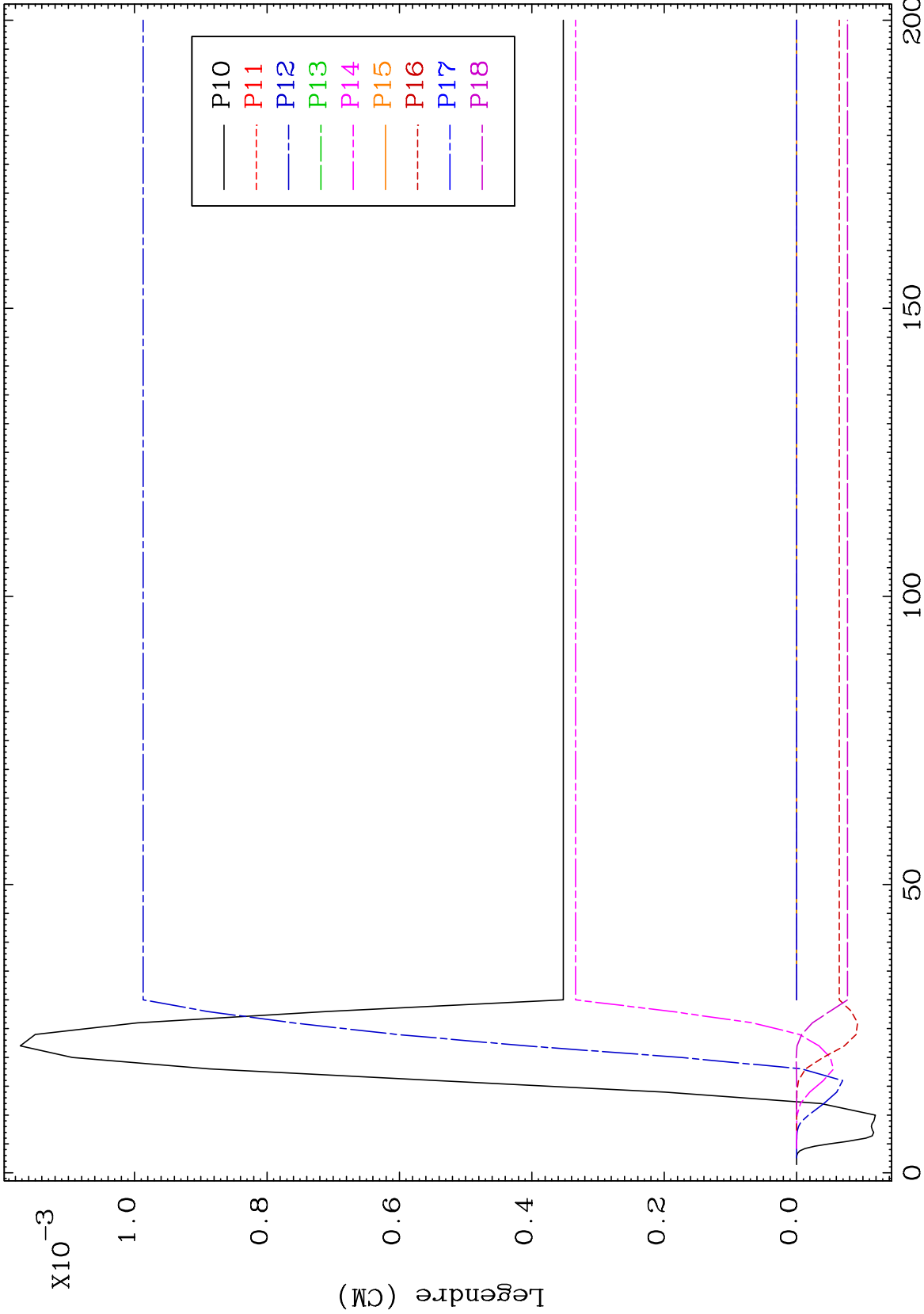
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

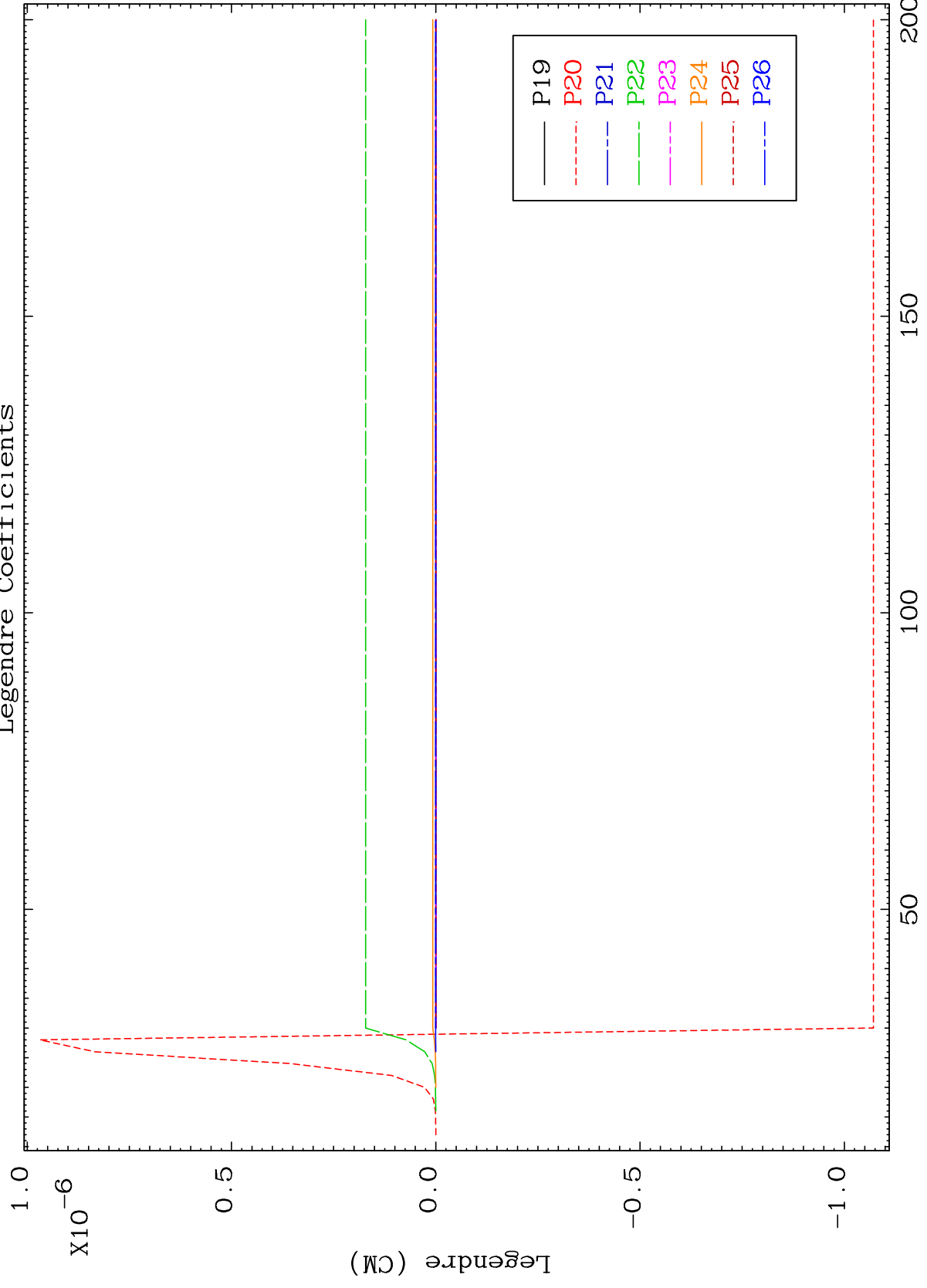
Incident Energy (MeV)

100

MAT 7052

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

70-Yb-177



101

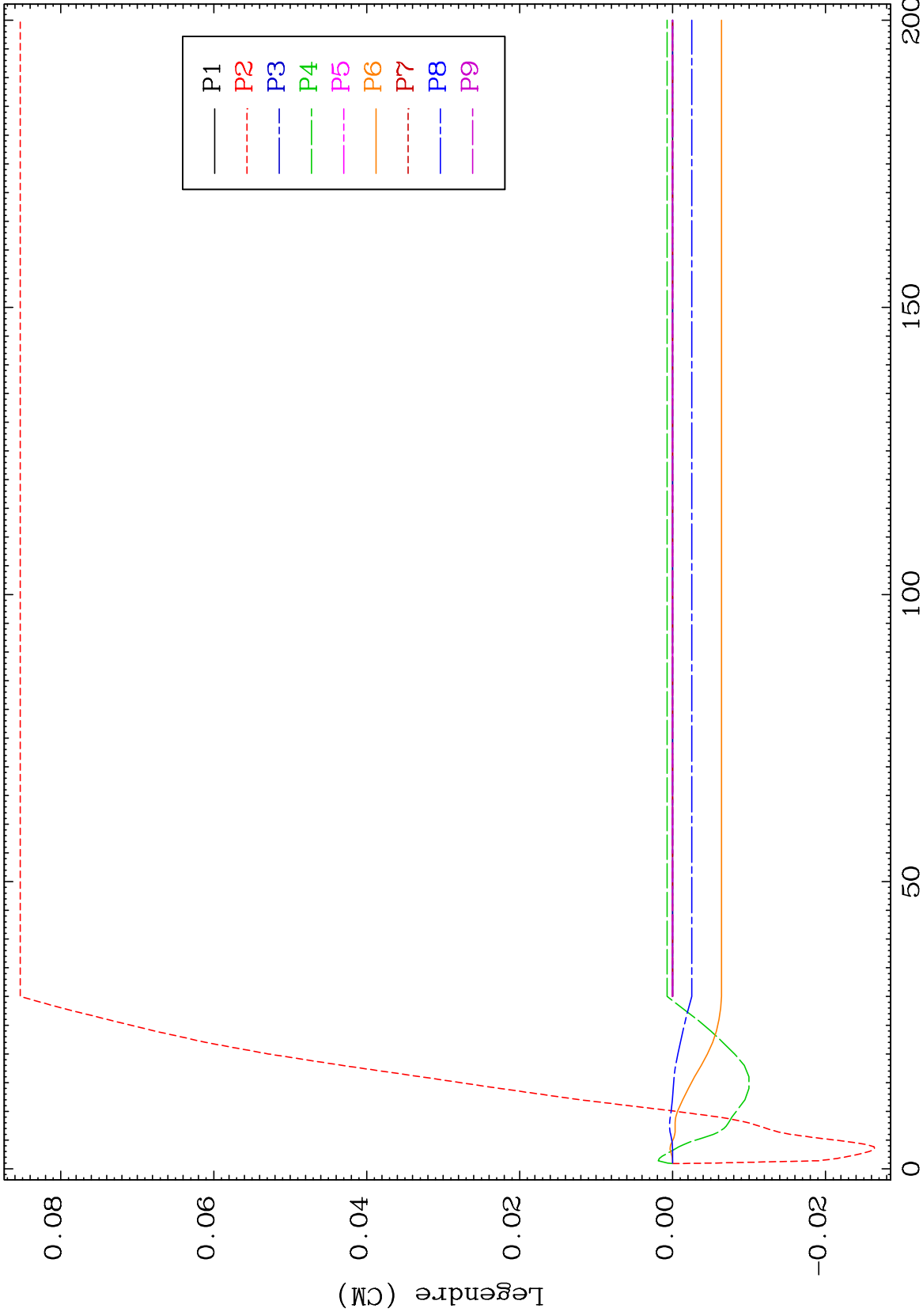
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

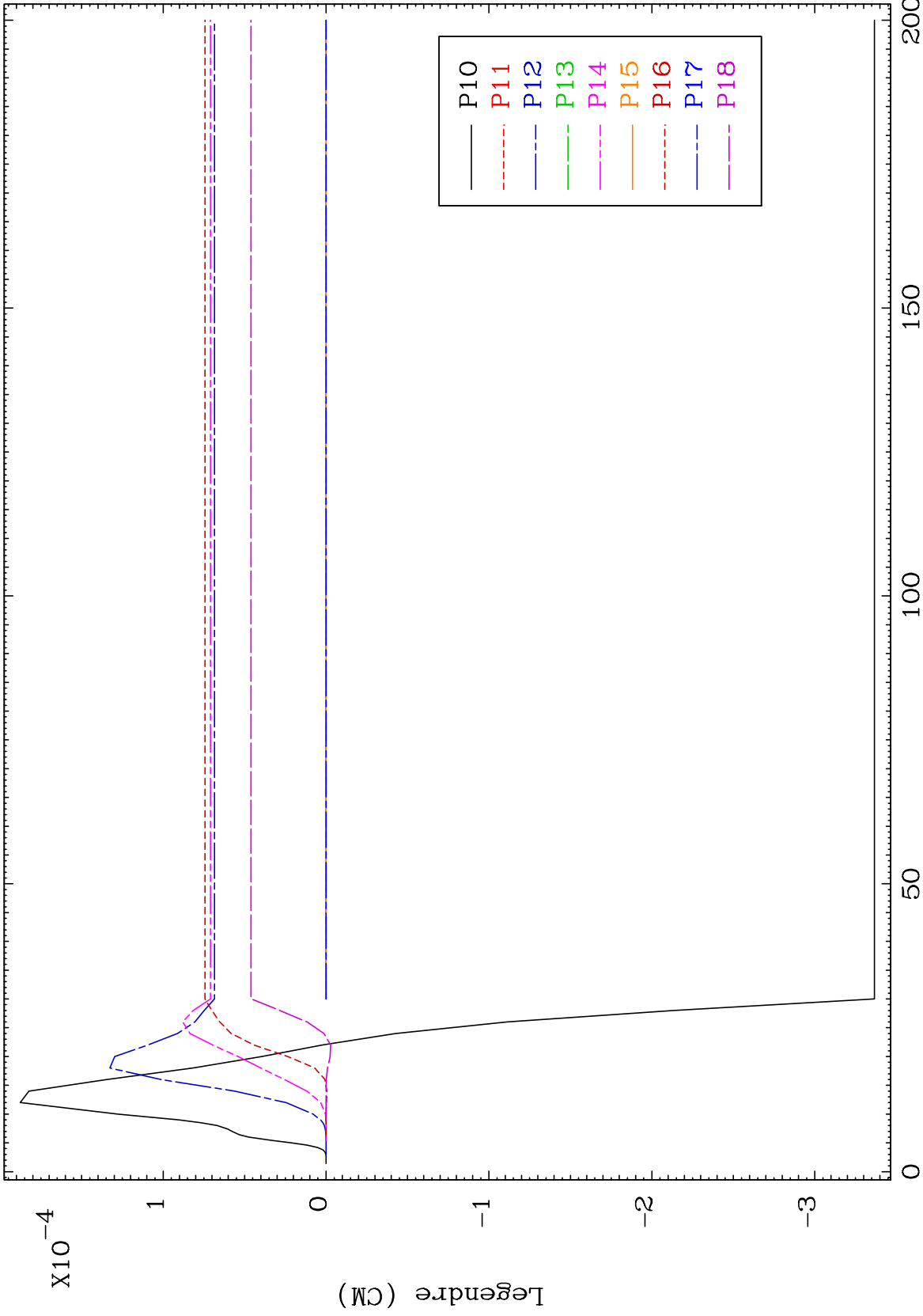
Incident Energy (MeV)

102

MAT 7052

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

70-Yb-177



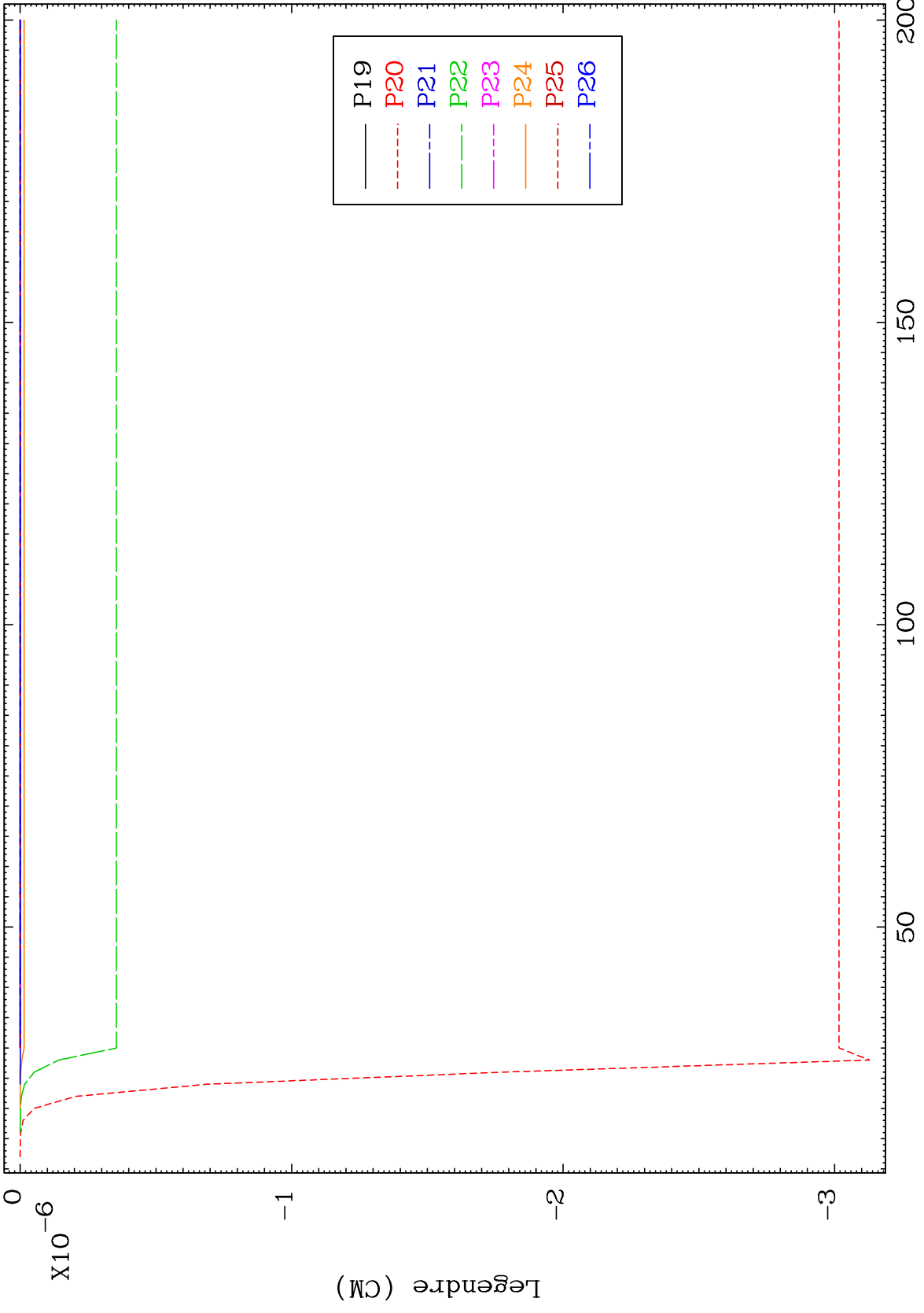
103

Incident Energy (MeV)

70-Yb-177



MAT 7052 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-177



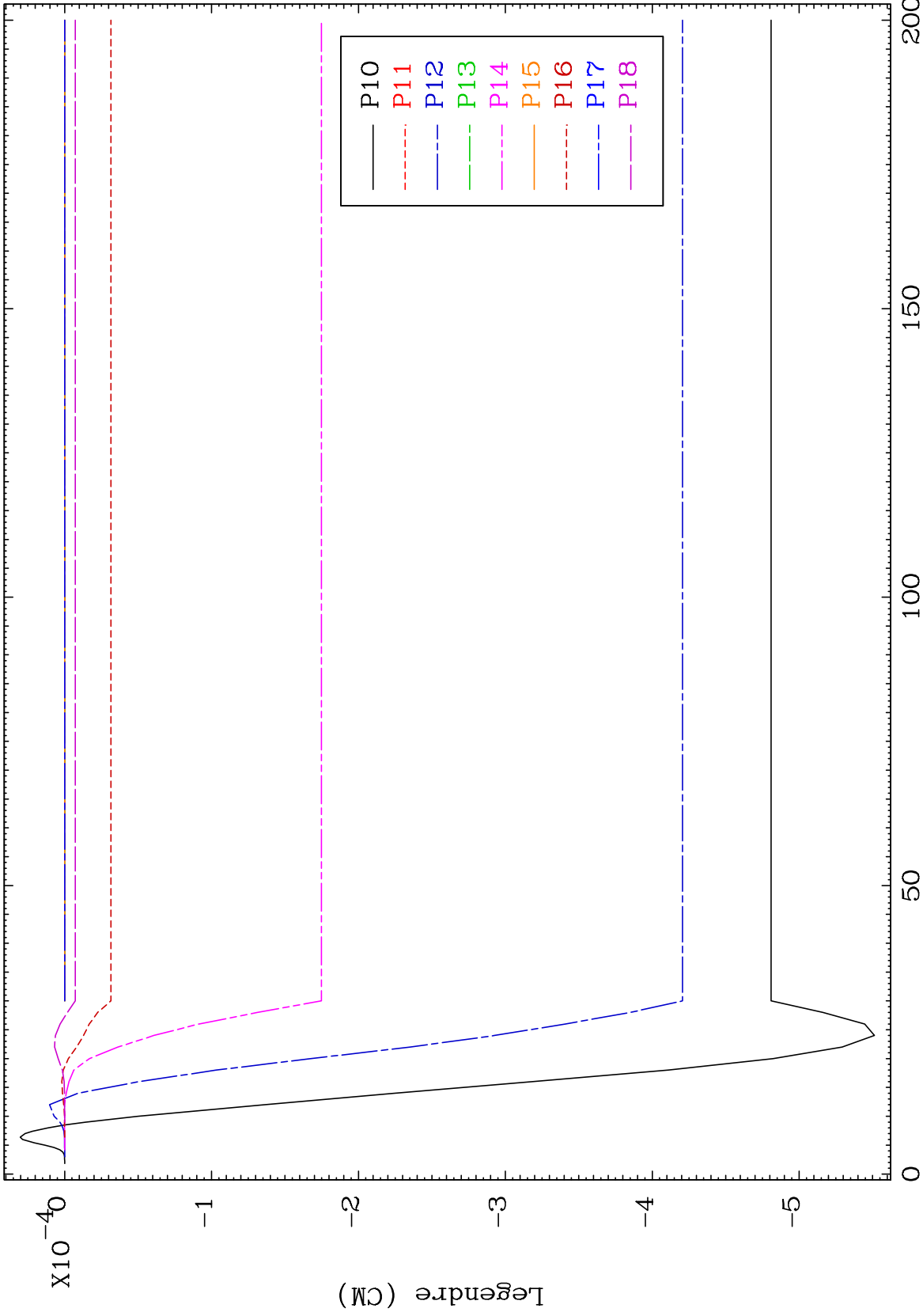
104 70-Yb-177



MAT 7052

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

70-Yb-177

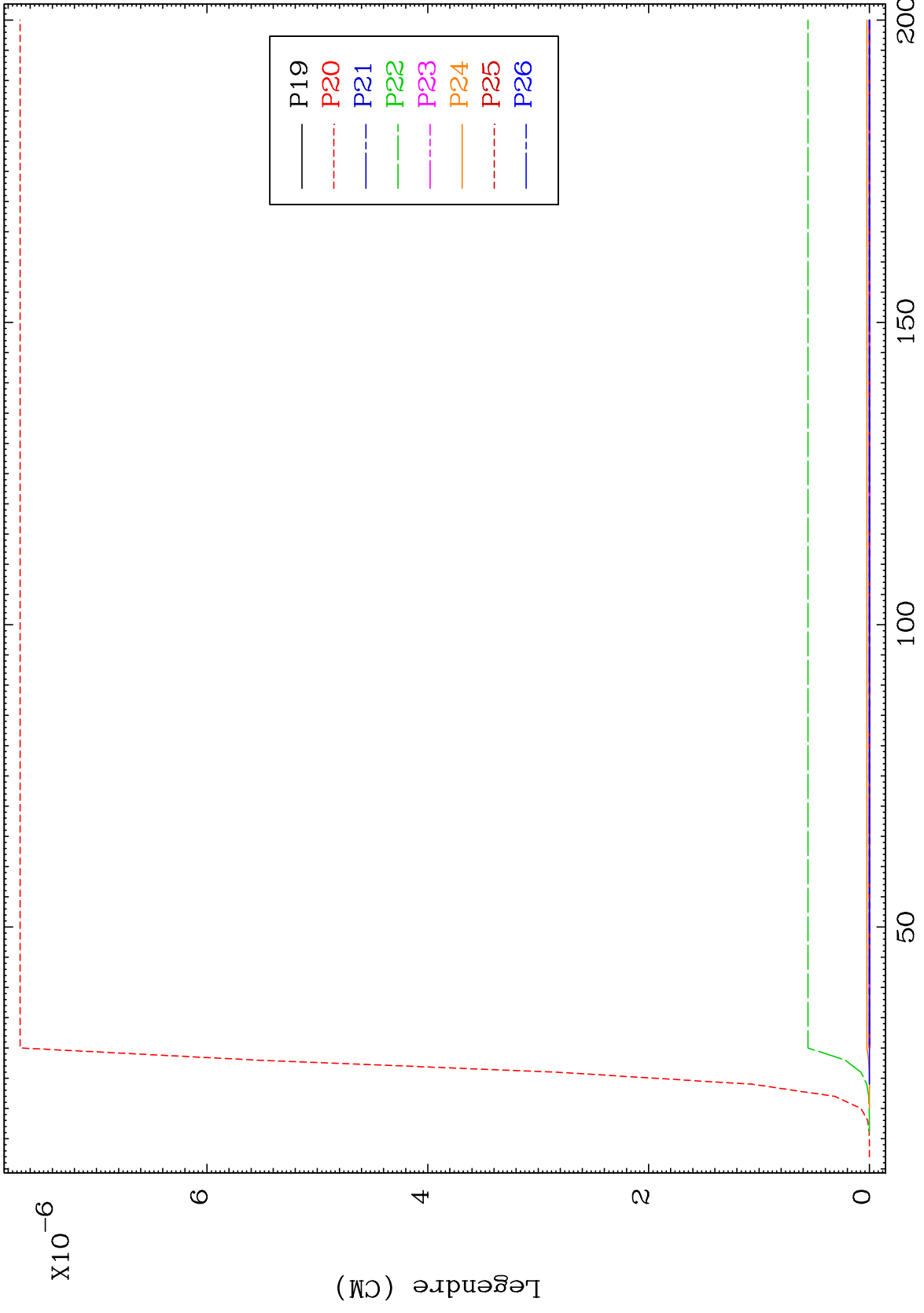


106

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-177

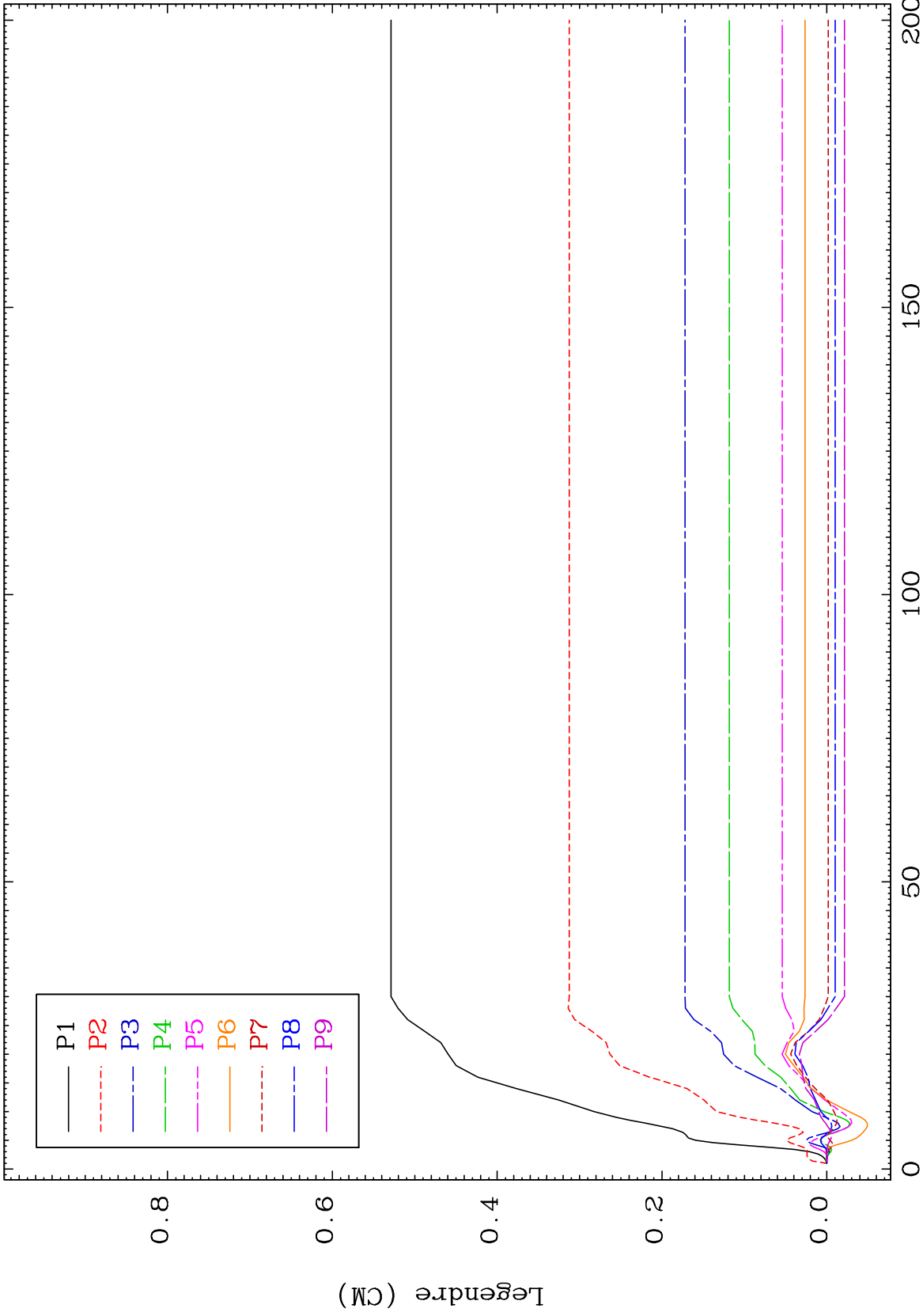


107 Incident Energy (MeV) 70-Yb-177

MAT 7052

MT= 76 (n,n') Level  
Legendre Coefficients

70-Yb-177

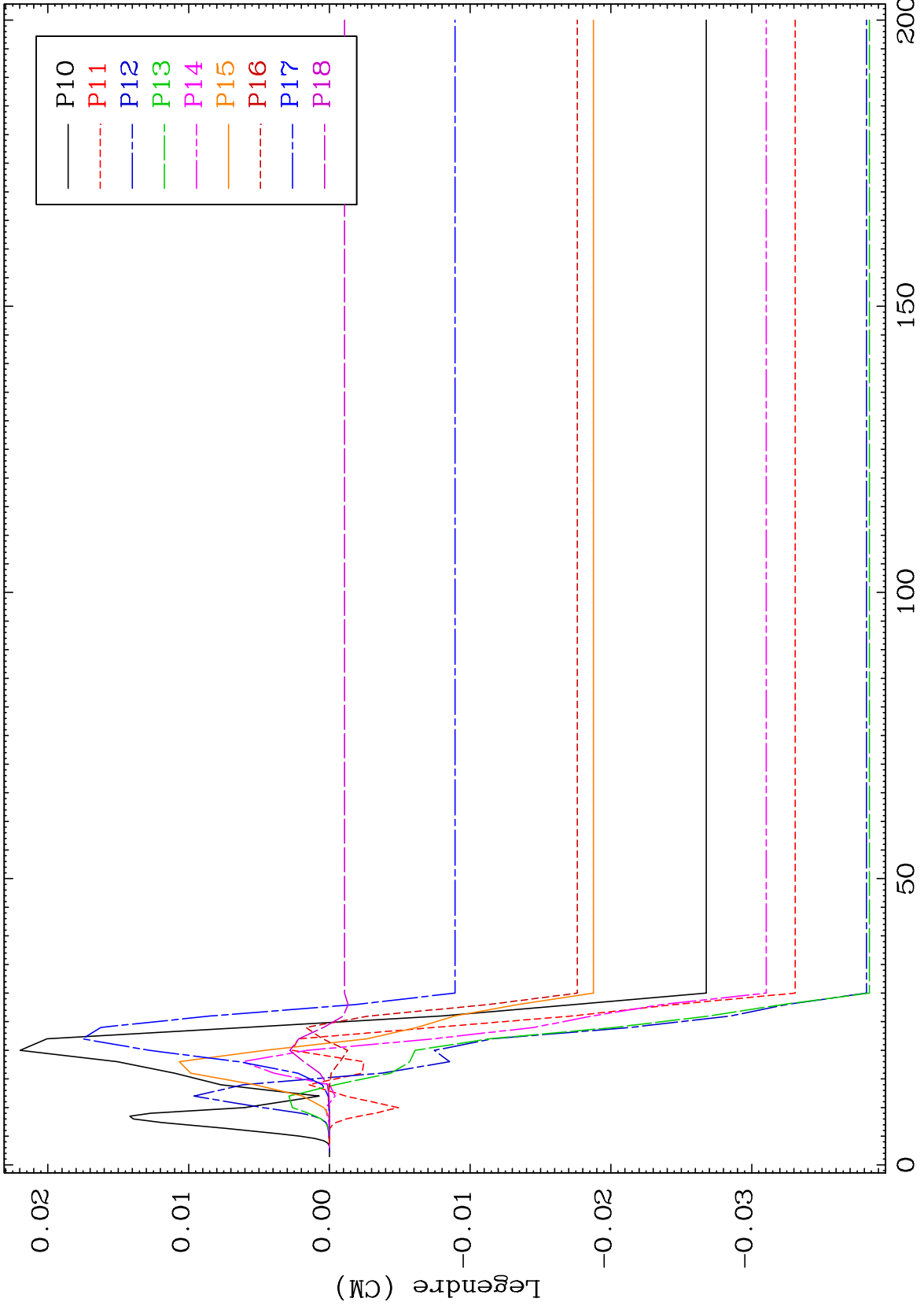


108

Incident Energy (MeV)

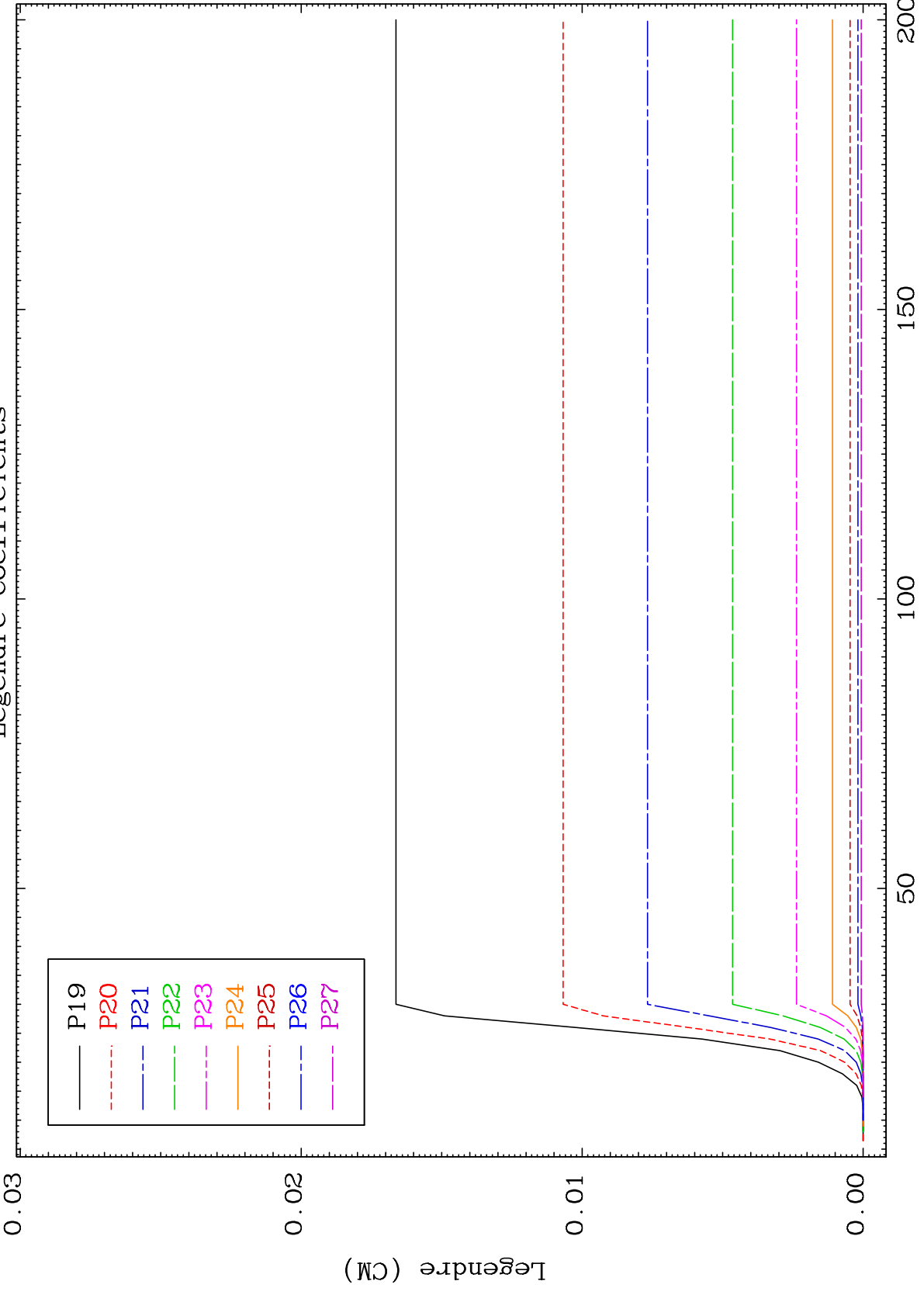
70-Yb-177

MAT 7052 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-177



109 70-Yb-177

MAT 7052 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-177

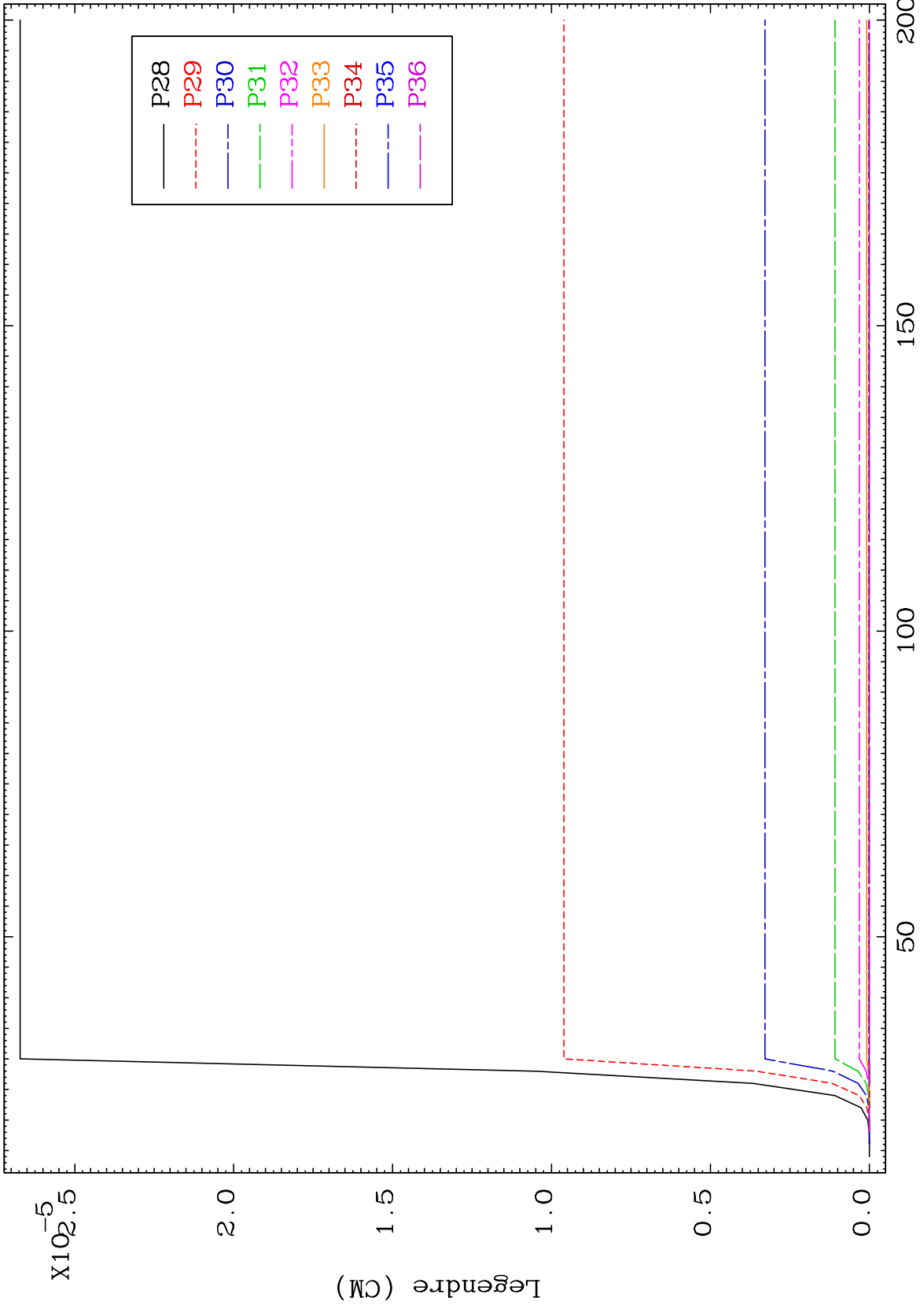


110 Incident Energy (MeV) 70-Yb-177

MAT 7052

MT= 76 (n,n') Level  
Legendre Coefficients

70-Yb-177



111

Incident Energy (MeV)

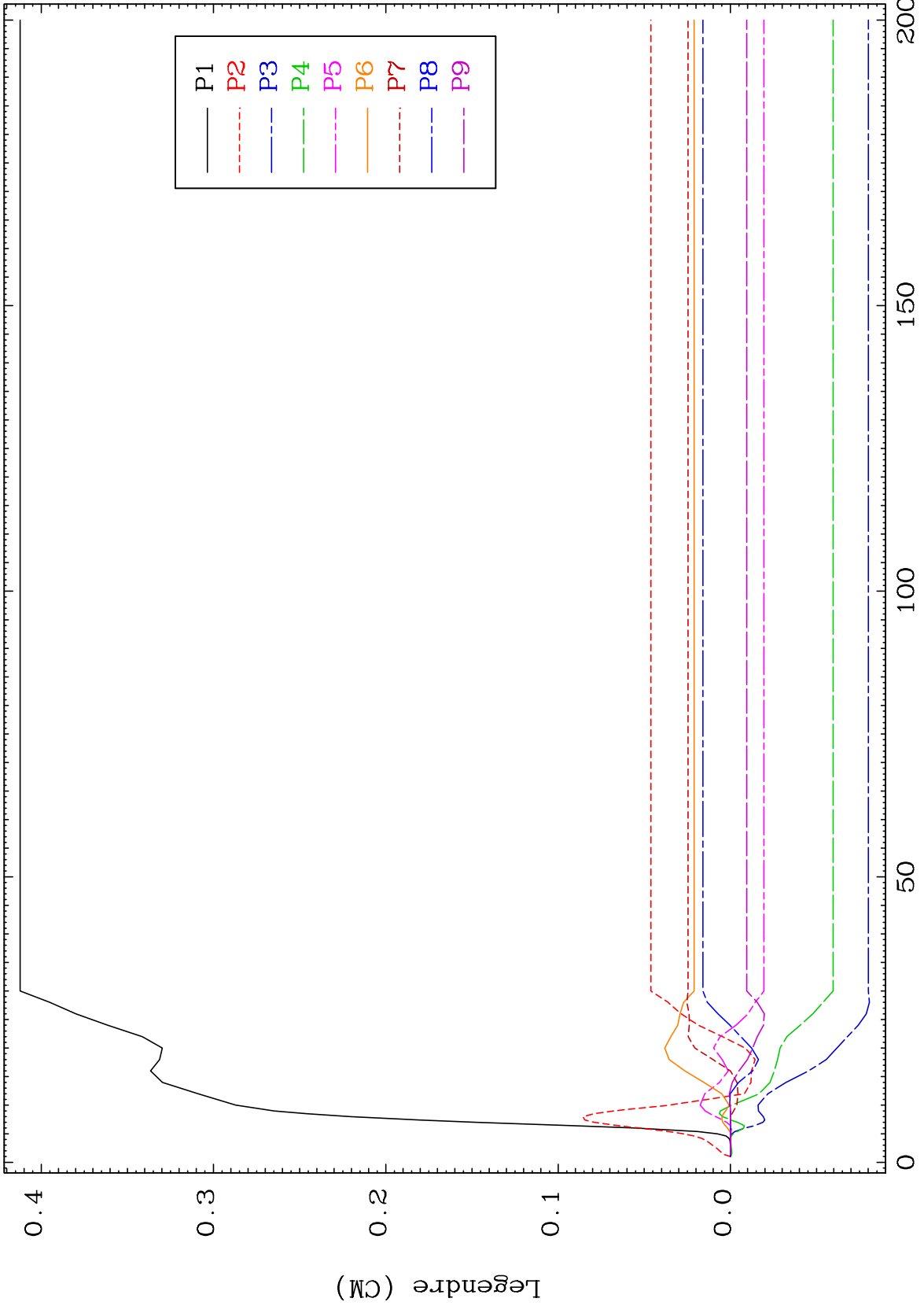
70-Yb-177



MAT 7052

MT= 77 (n,n') Level  
Legendre Coefficients

70-Yb-177

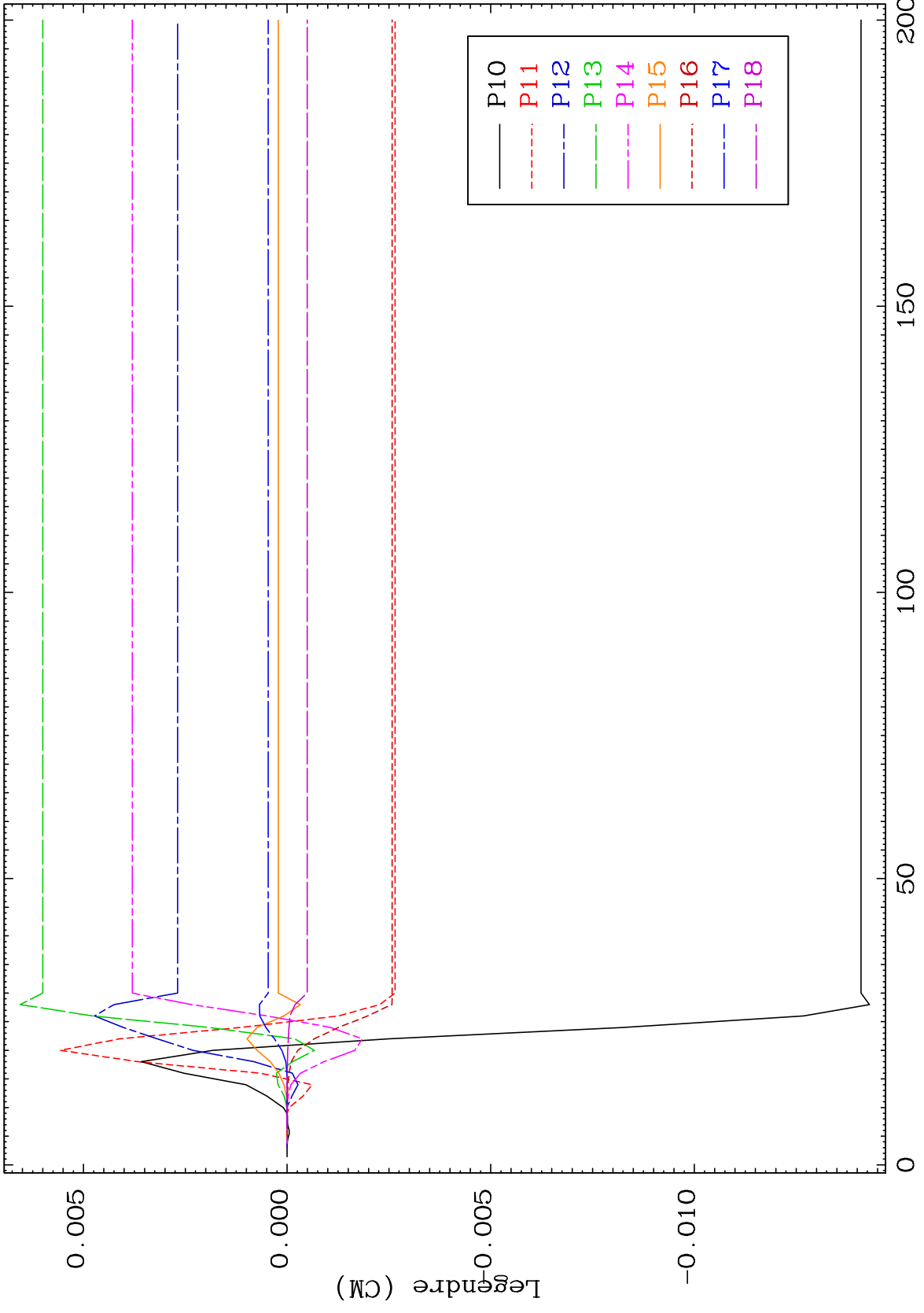


70-Yb-177

Incident Energy (MeV)

112

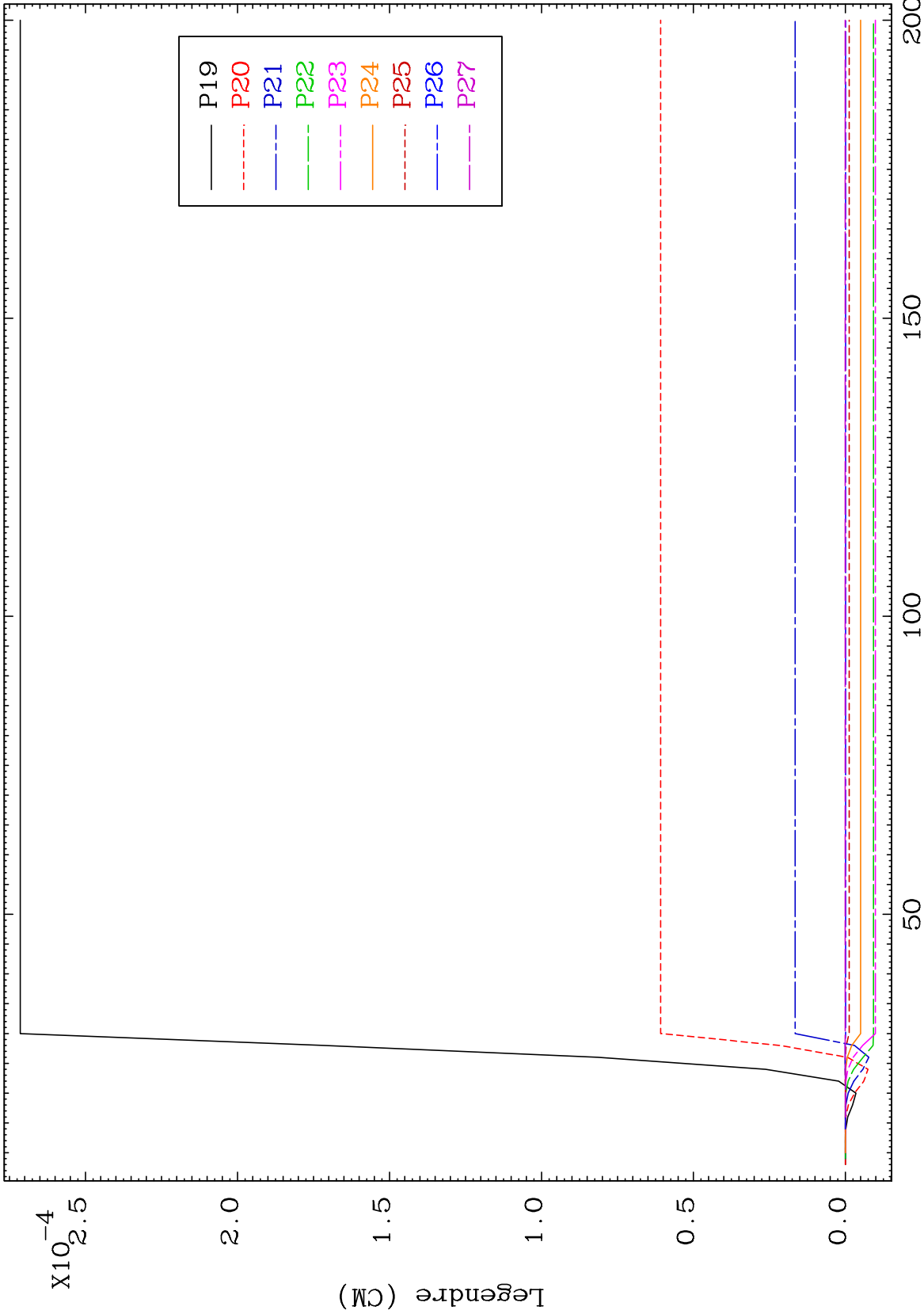
MAT 7052 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-177



MAT 7052

MT= 77 (n,n') Level  
Legendre Coefficients

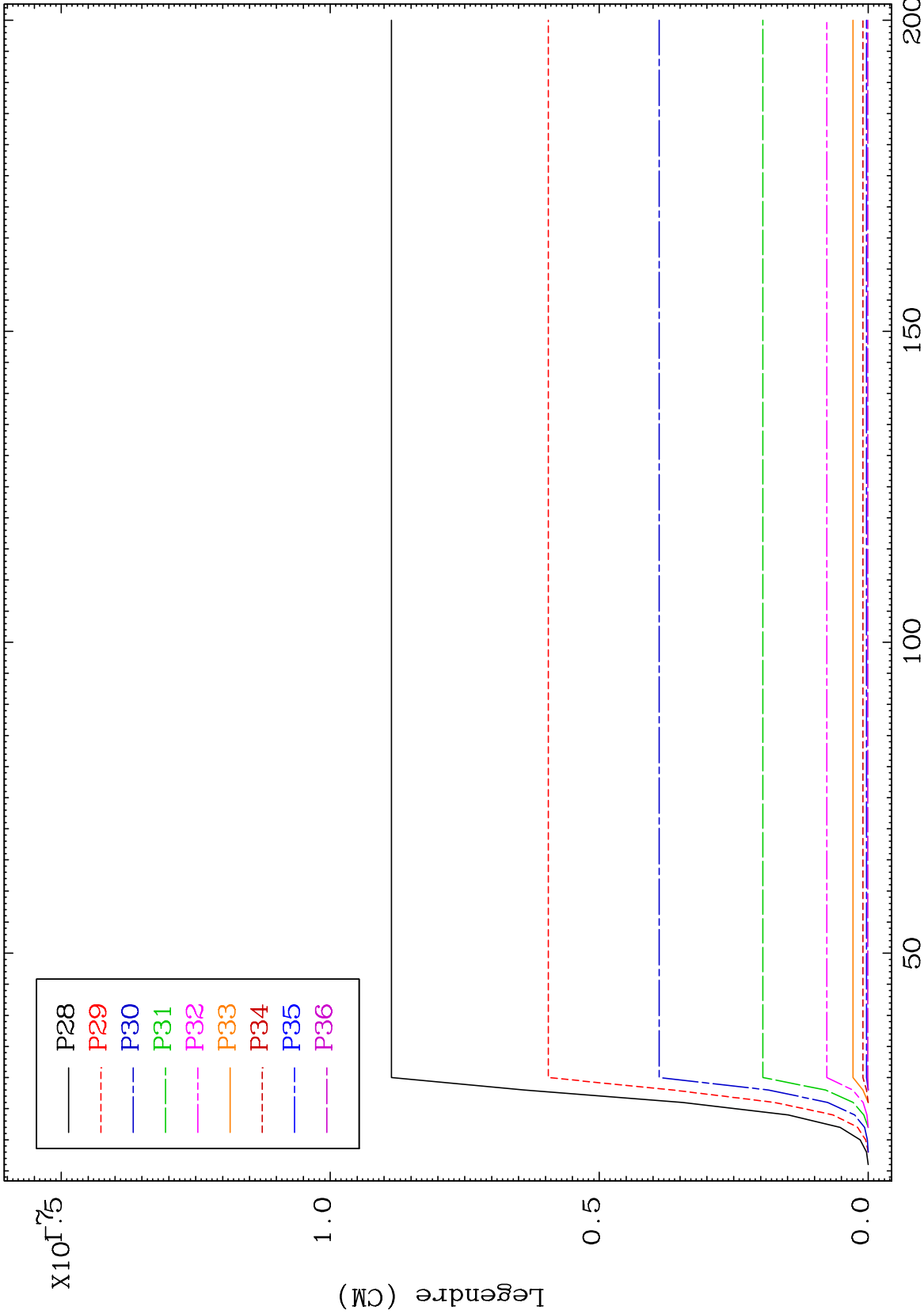
70-Yb-177



MAT 7052

MT= 77 (n,n') Level  
Legendre Coefficients

70-Yb-177



115

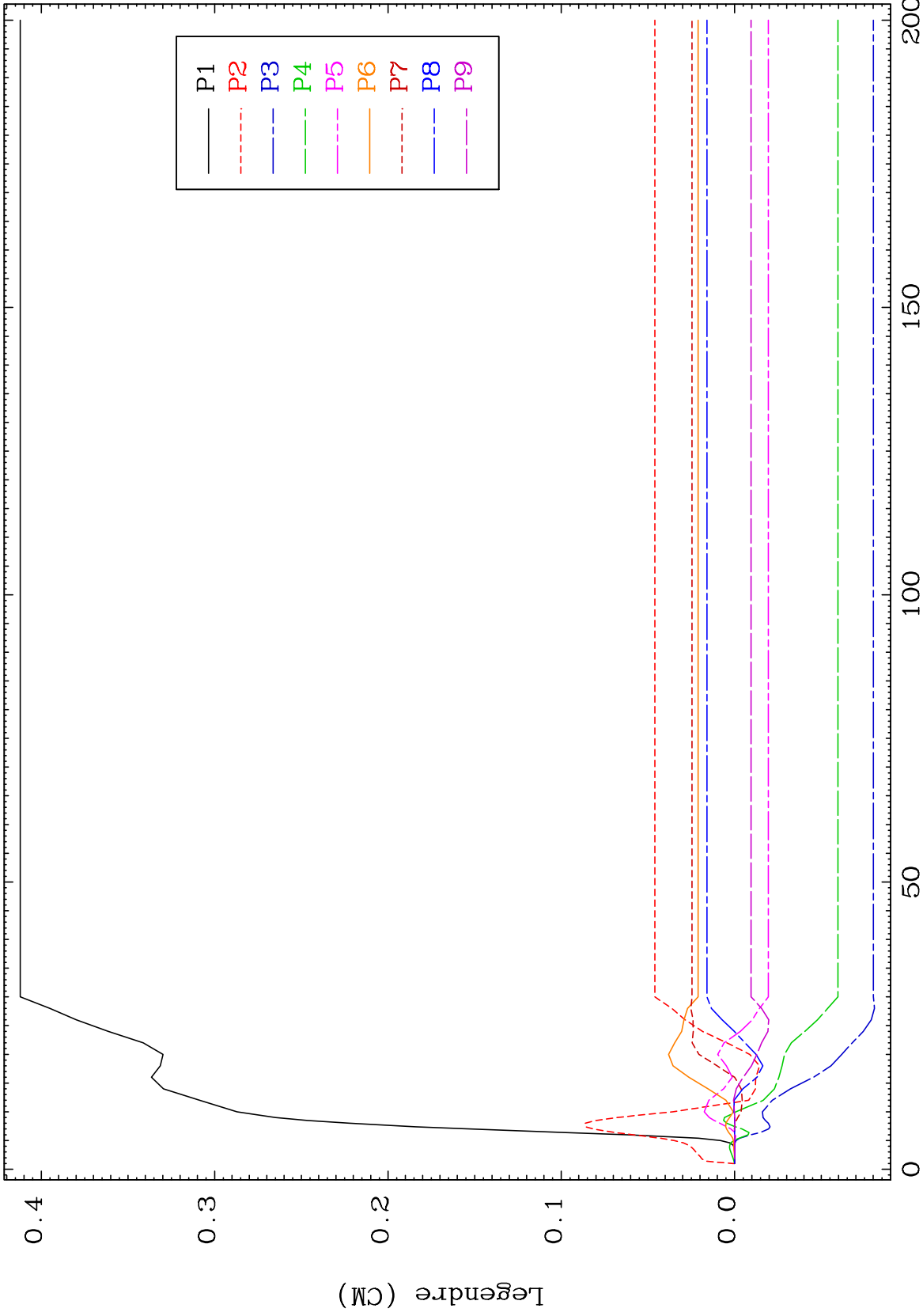
Incident Energy (MeV)

70-Yb-177

MAT 7052

MT= 78 (n,n') Level  
Legendre Coefficients

70-Yb-177

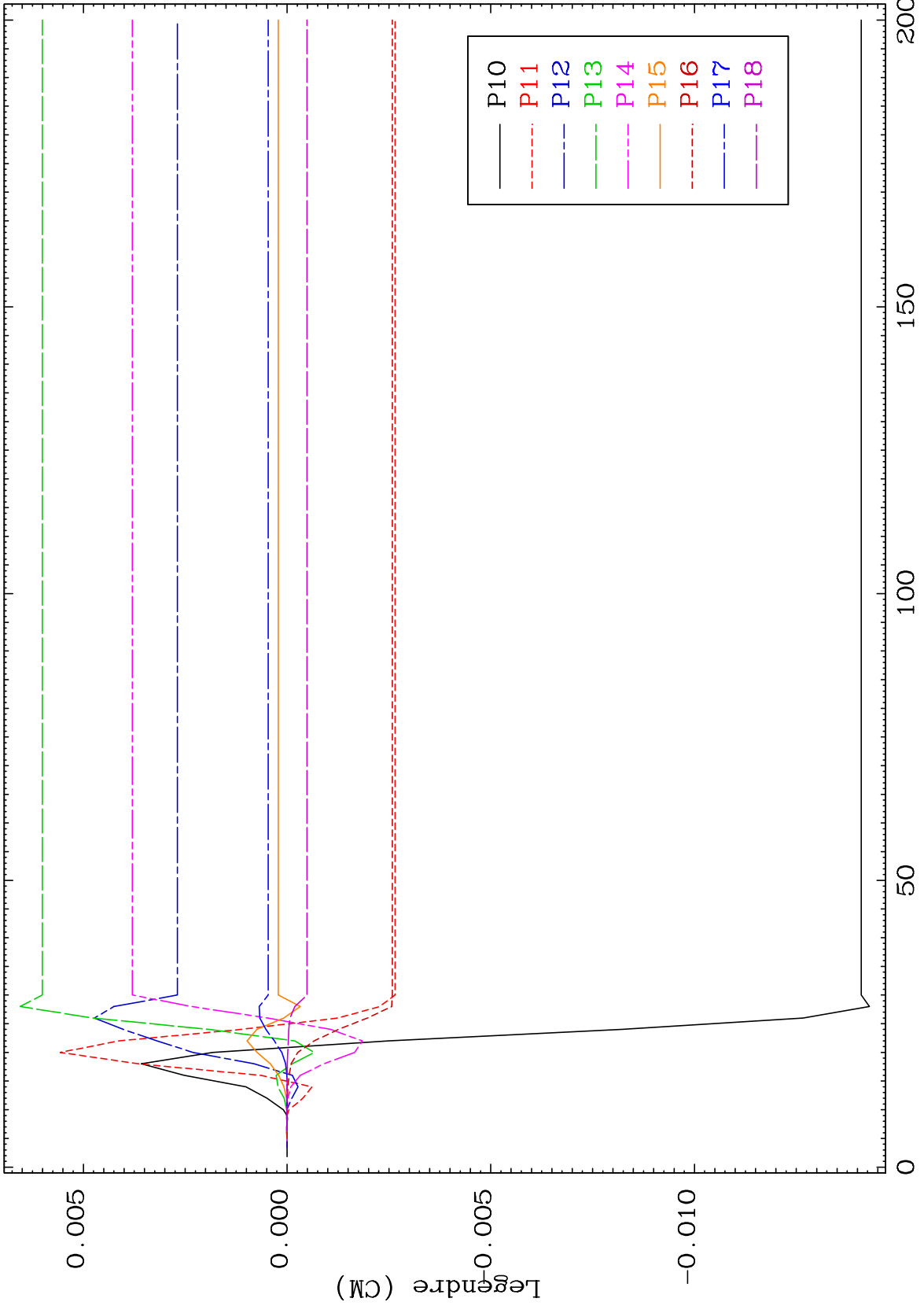


116

Incident Energy (MeV)

70-Yb-177

MAT 7052 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-177

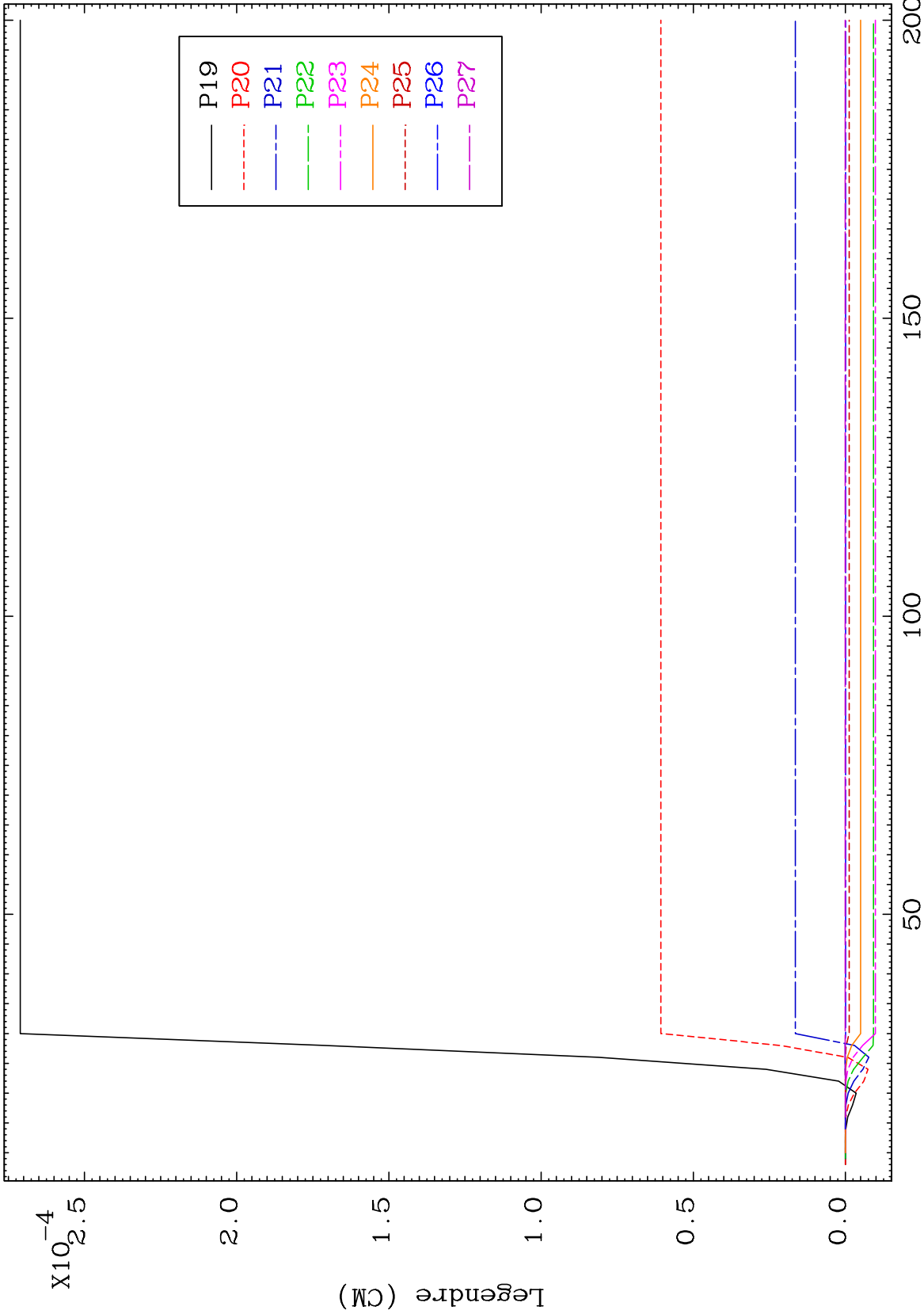


117 70-Yb-177

MAT 7052

MT= 78 (n,n') Level  
Legendre Coefficients

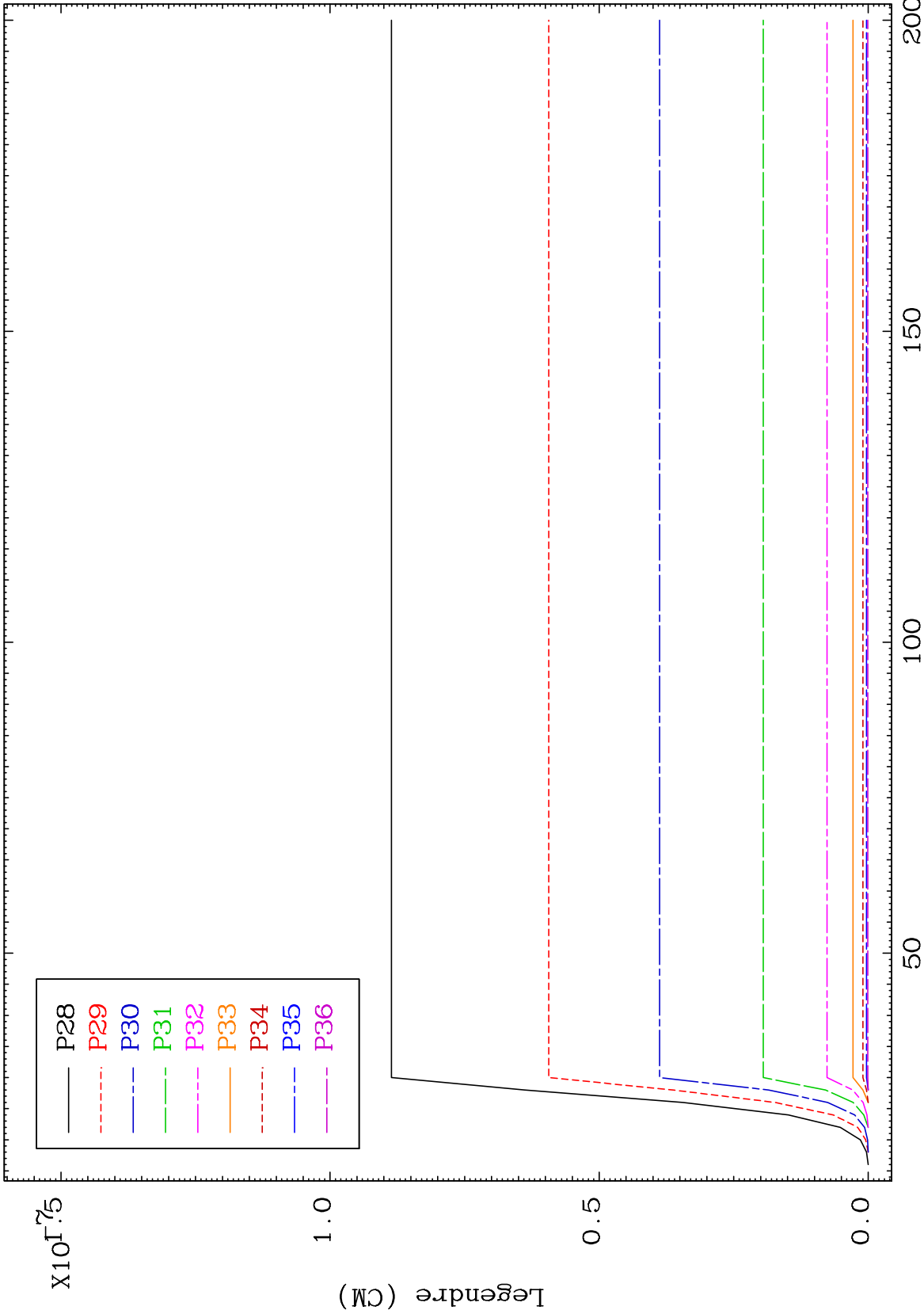
70-Yb-177



MAT 7052

MT= 78 (n,n') Level  
Legendre Coefficients

70-Yb-177



119

Incident Energy (MeV)

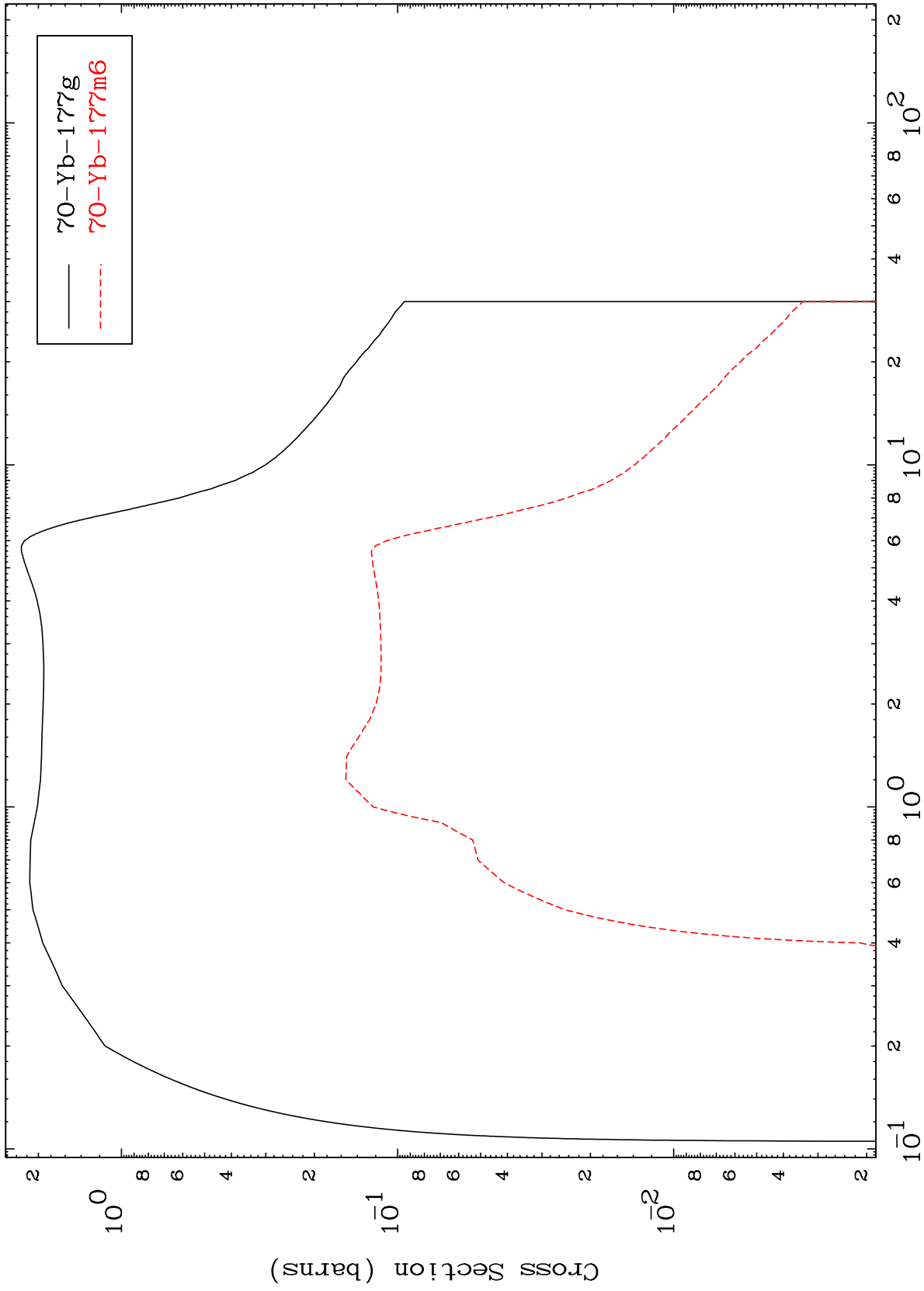
70-Yb-177



MAT 7052

# Inelastic Radionuclide Production Cross Section

<sup>70</sup>Yb-177



120

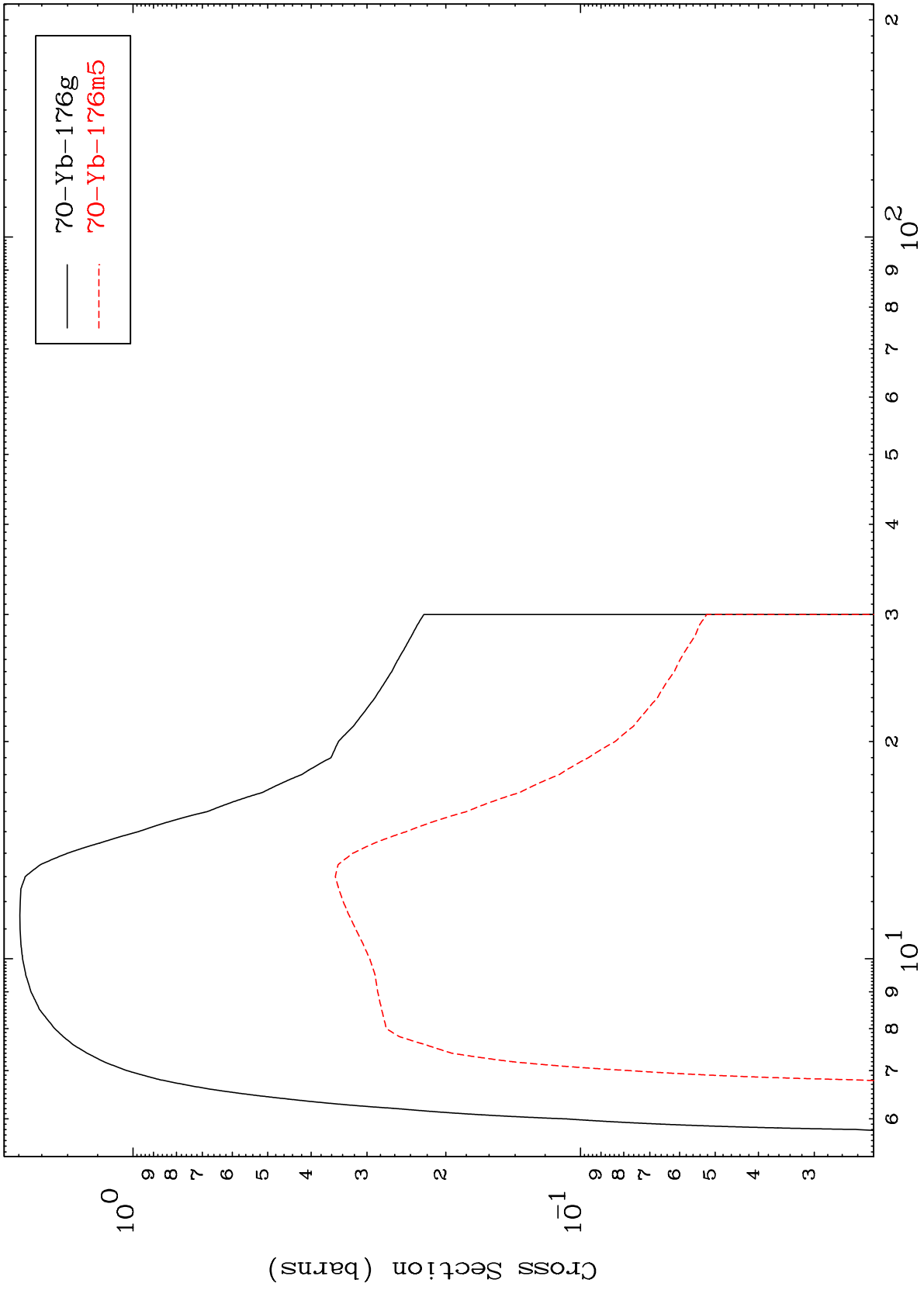
Incident Energy (MeV)

<sup>70</sup>Yb-177

MAT 7052

<sup>70</sup>Yb-177

Radionuclide Production Cross Section  
(n,2n)



121

<sup>70</sup>Yb-177