

Program EVALPLOT
(Version 2018-1)

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

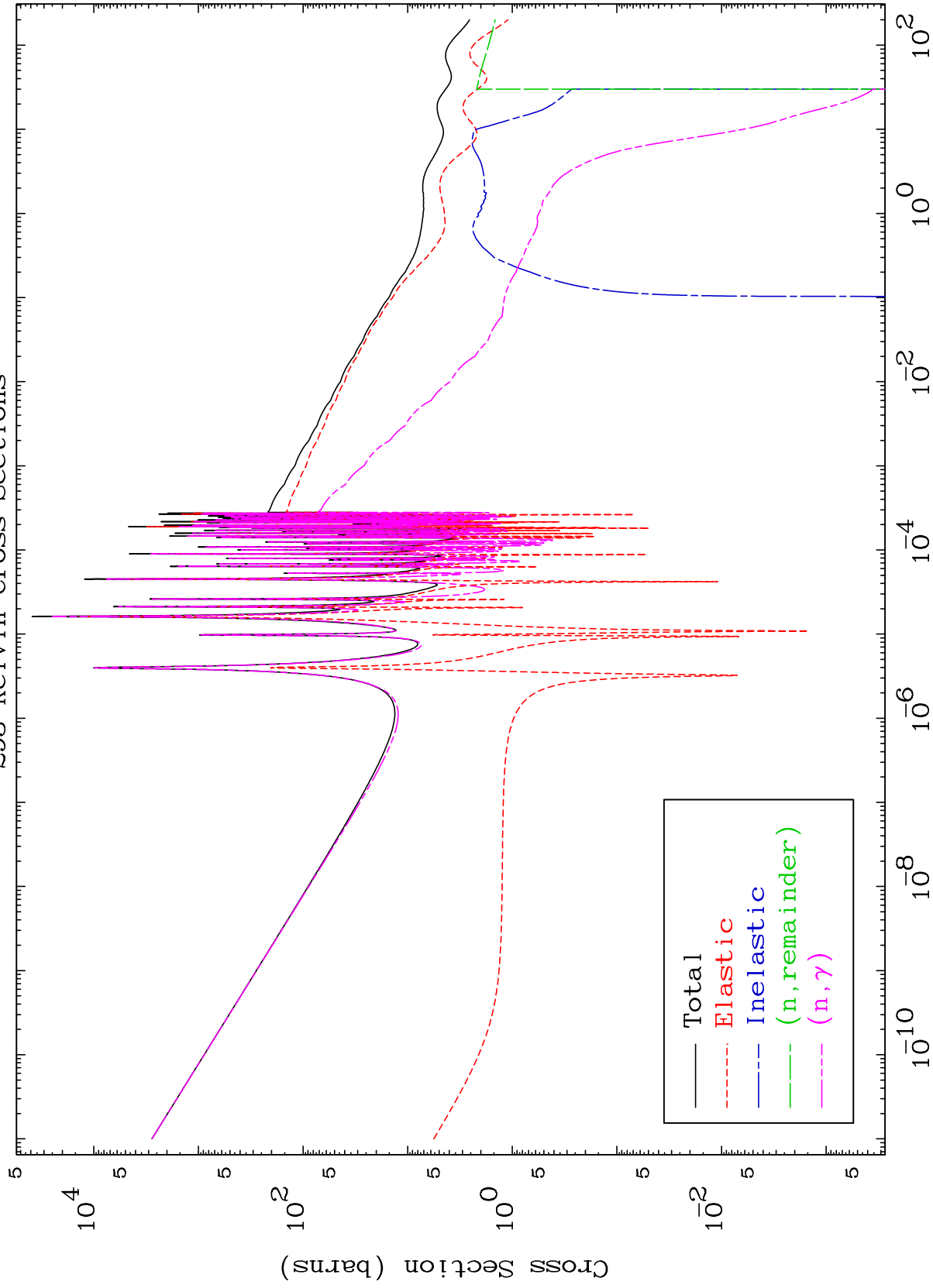
Press Mouse Button to Start

MAT 7019

Major

293 Kelvin Cross Sections

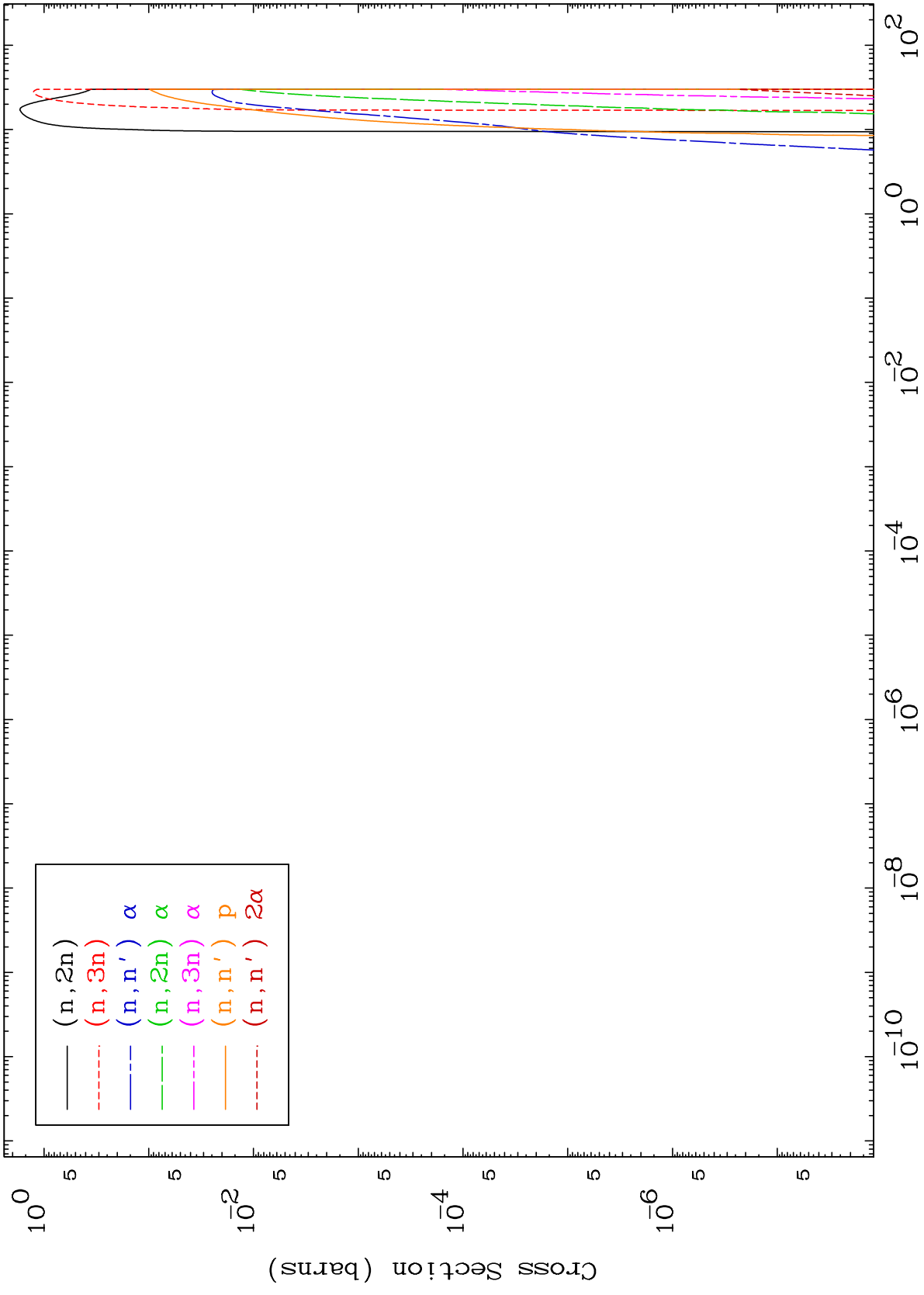
70-Yb-166



MAT 7019

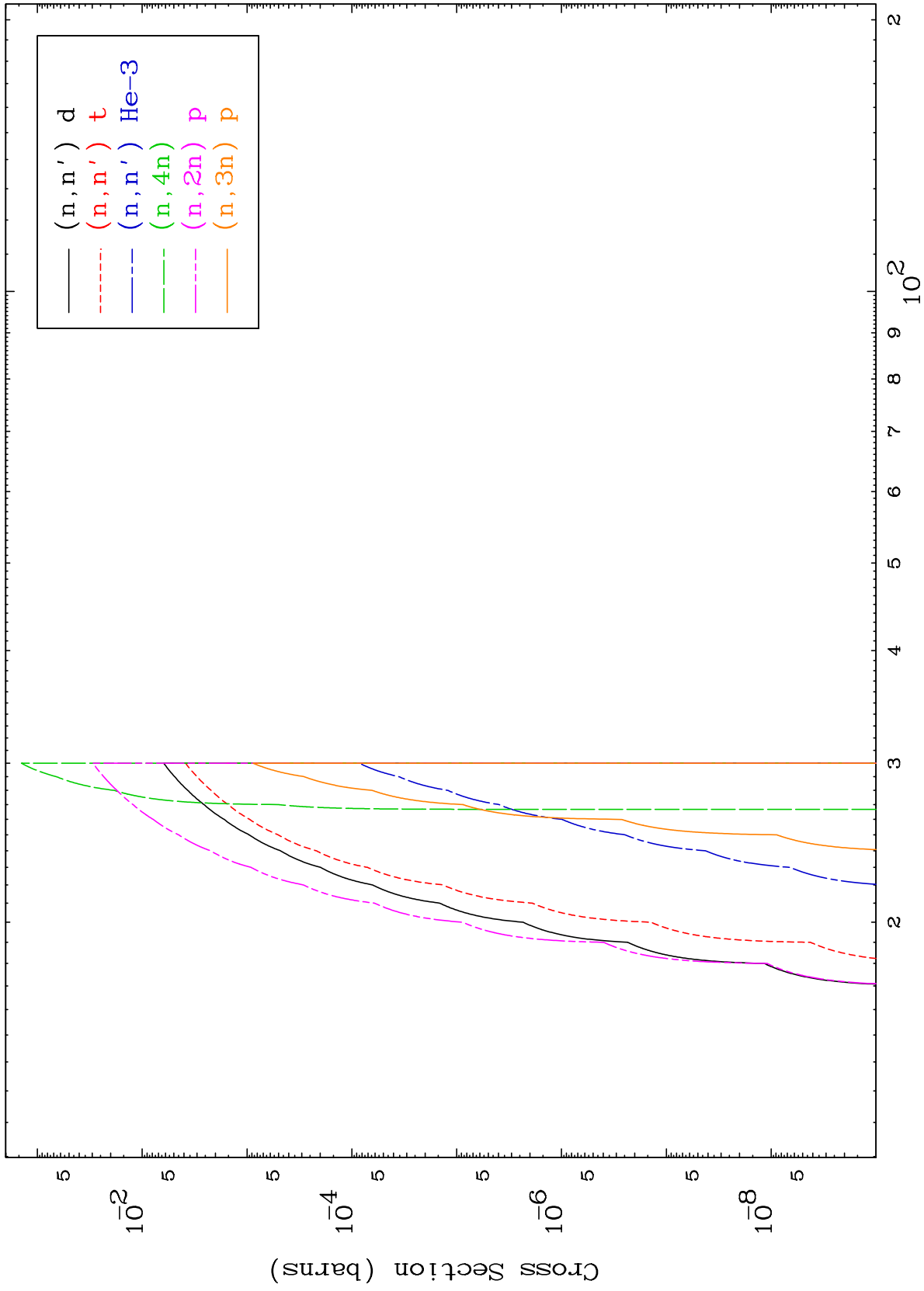
Neutron Production
293 Kelvin Cross Sections

70-Yb-166



2

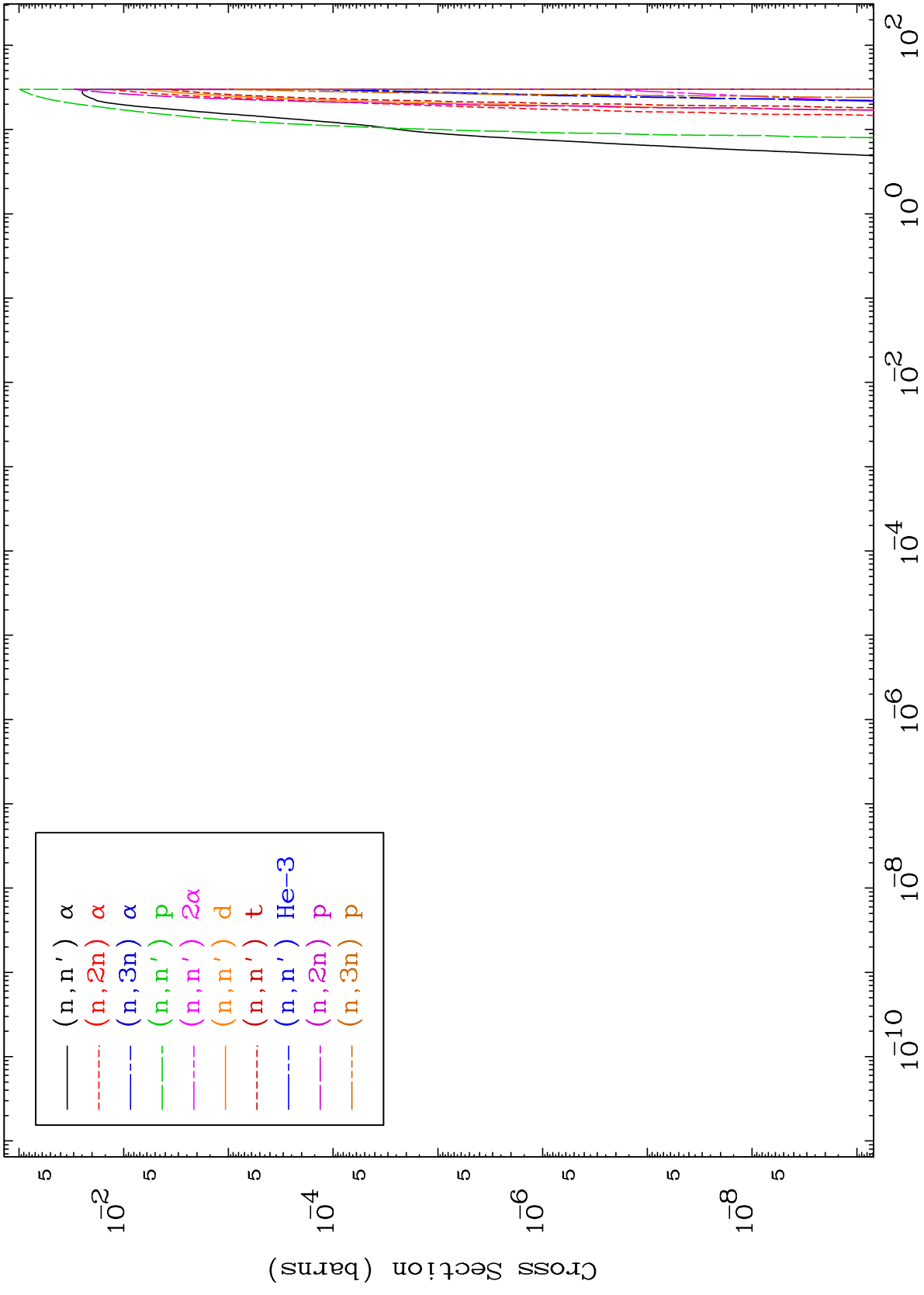
70-Yb-166



MAT 7019

293 Kelvin Cross Sections

70-Yb-166

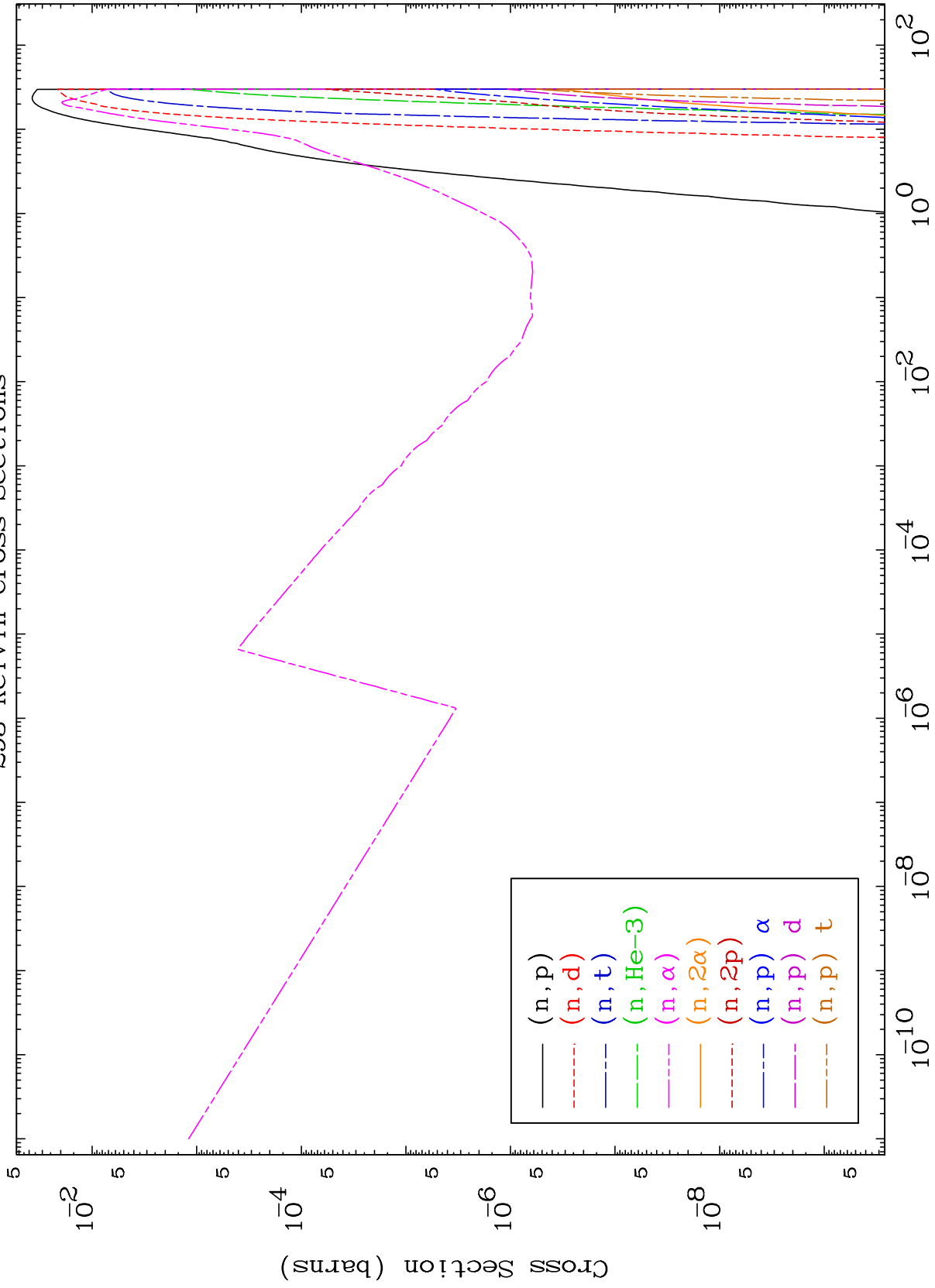


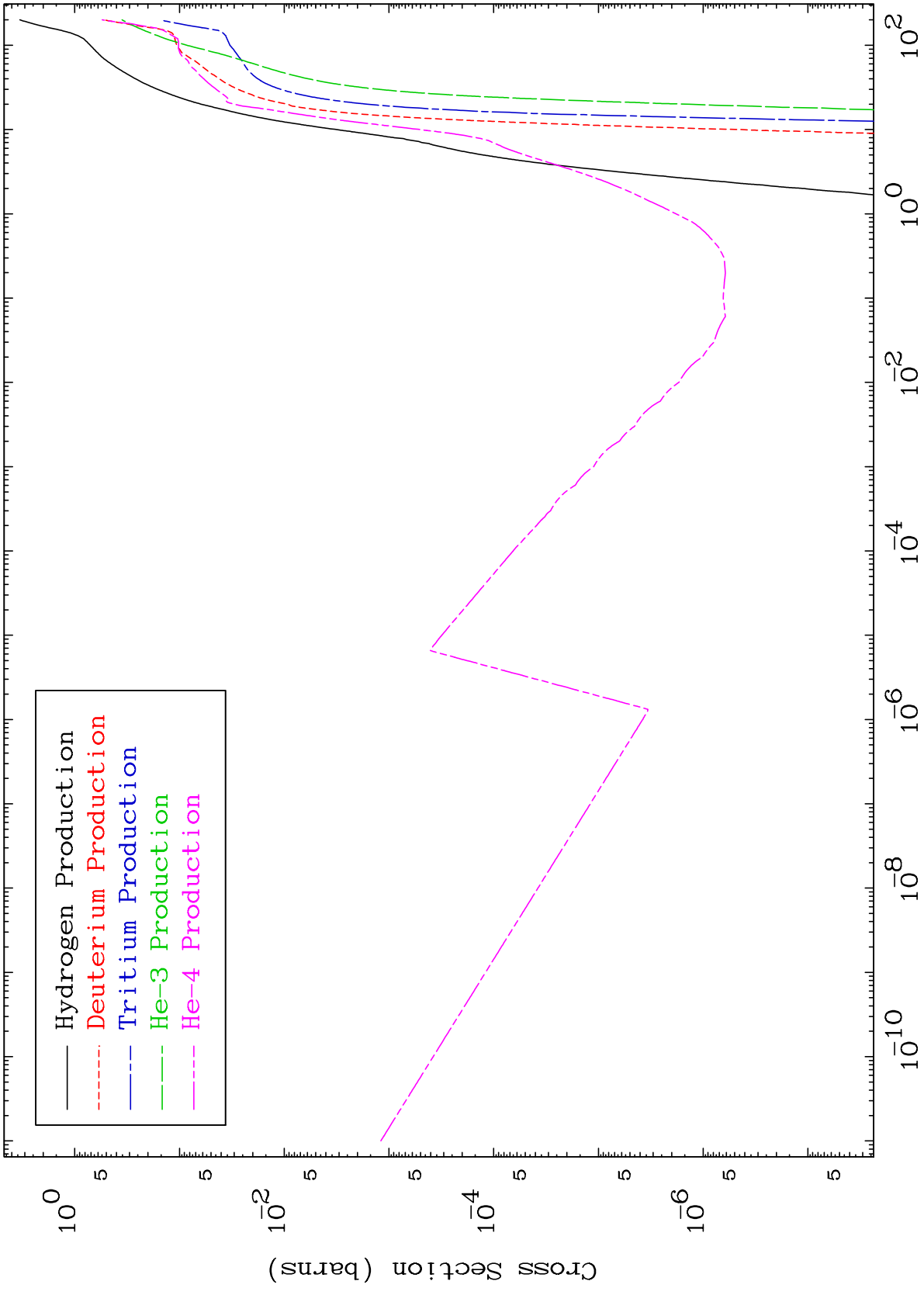
70-Yb-166

MAT 7019

Charged Particle
293 Kelvin Cross Sections

70-Yb-166



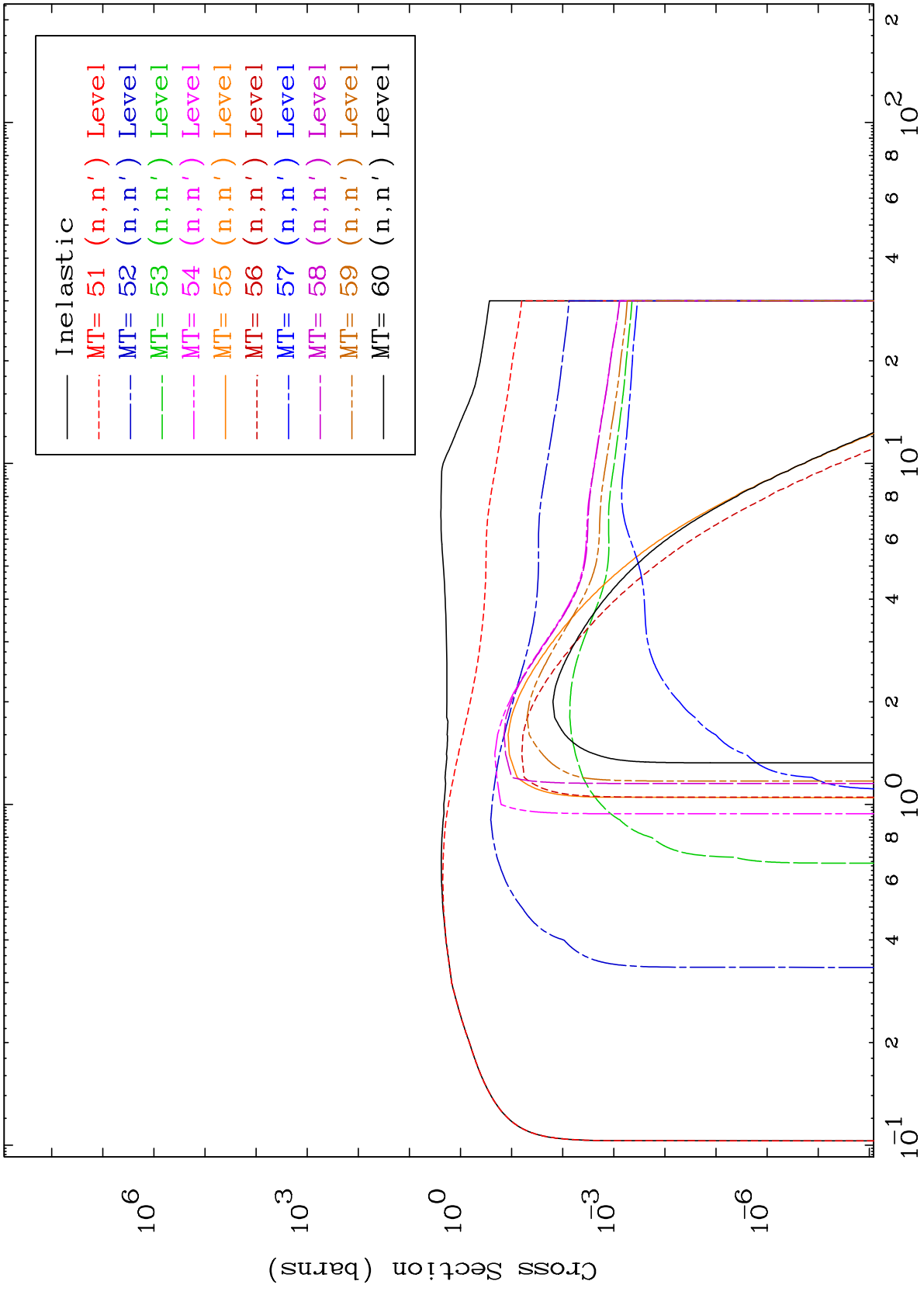


MAT 7019

(n,n') Level

70-Yb-166

293 Kelvin Cross Sections



Incident Energy (MeV)

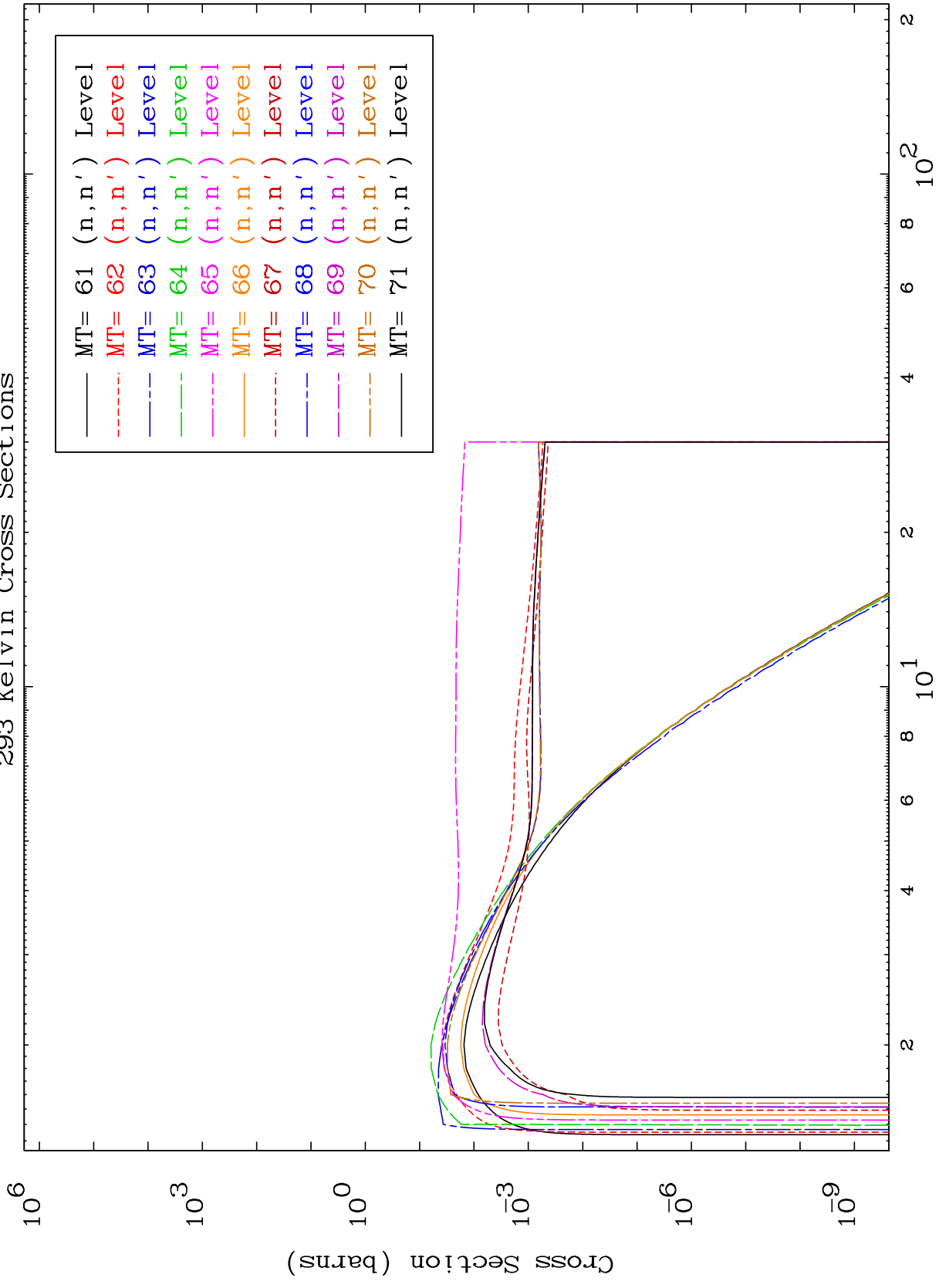
70-Yb-166

7

MAT 7019

(n,n') Level
293 Kelvin Cross Sections

70-Yb-166



8

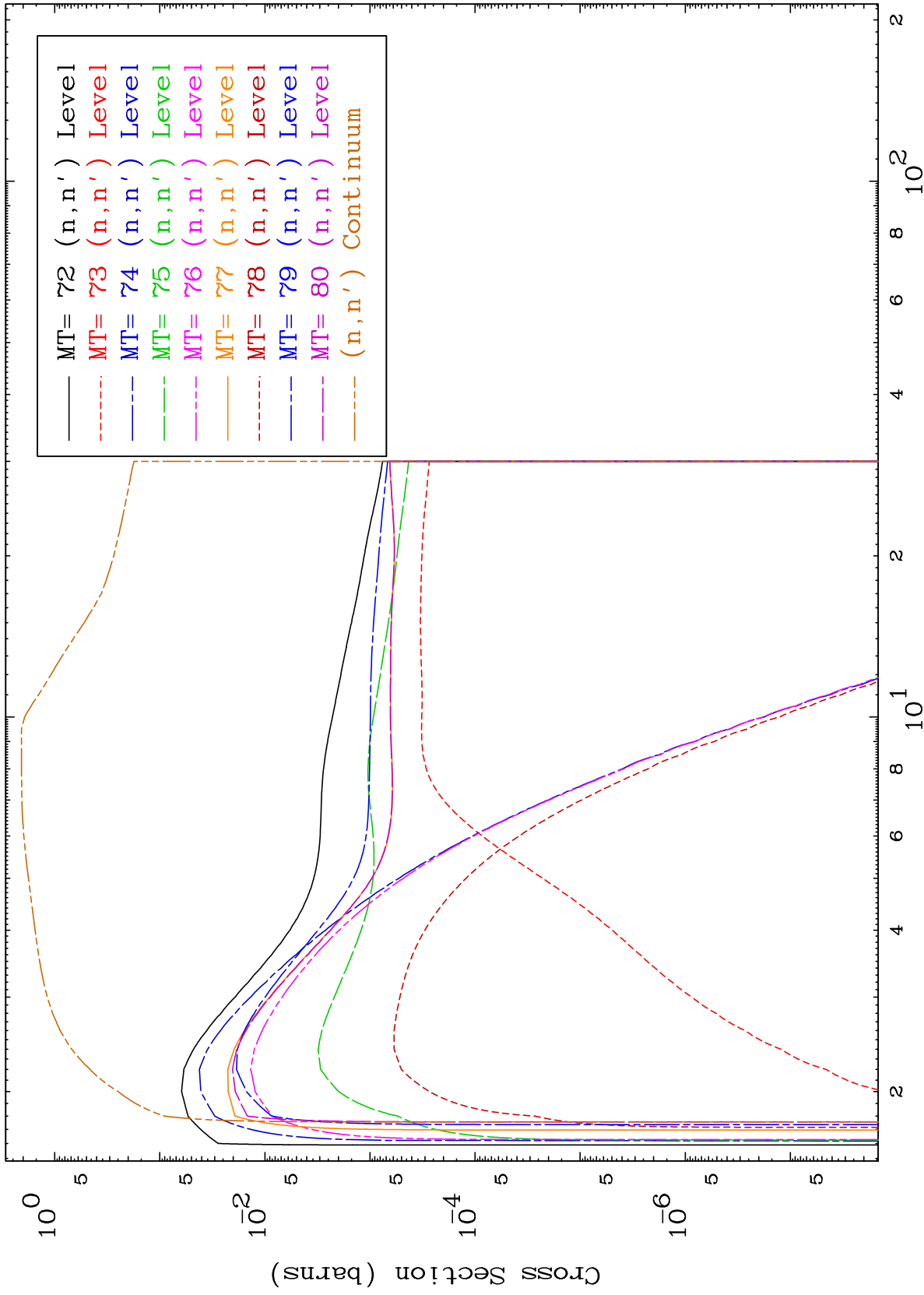
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,n') Level
293 Kelvin Cross Sections

70-Yb-166



9

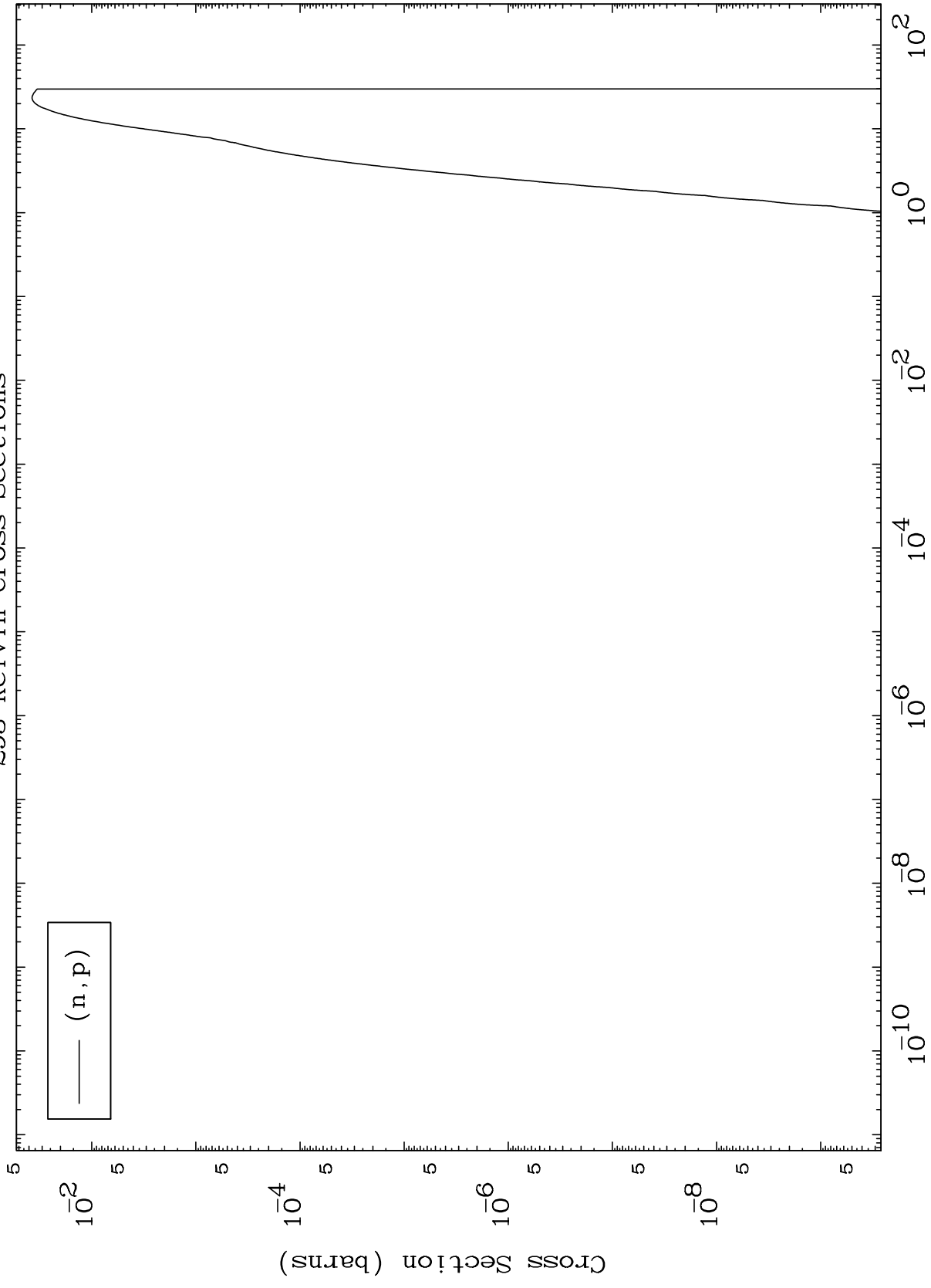
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-166



10

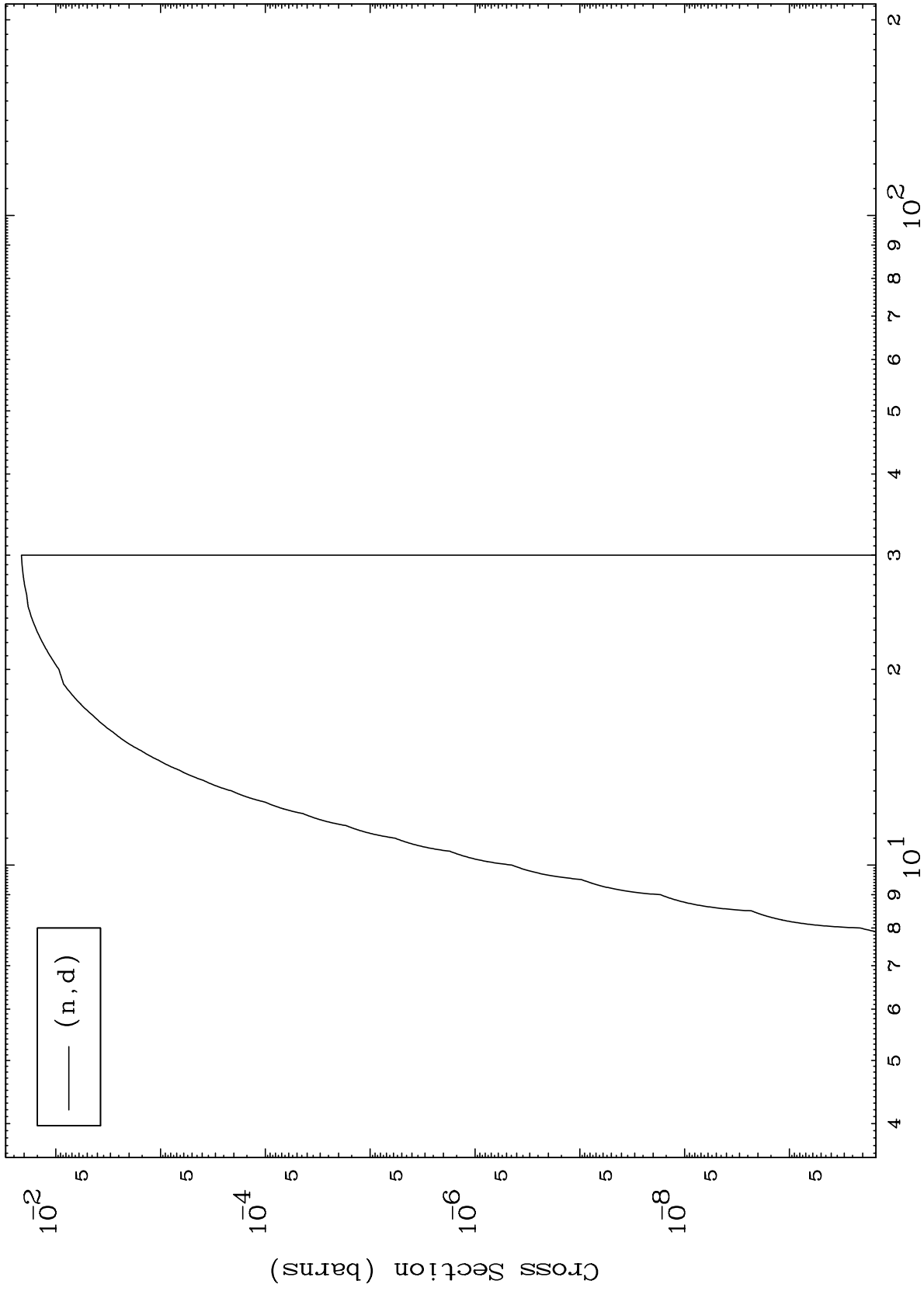
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-166



11

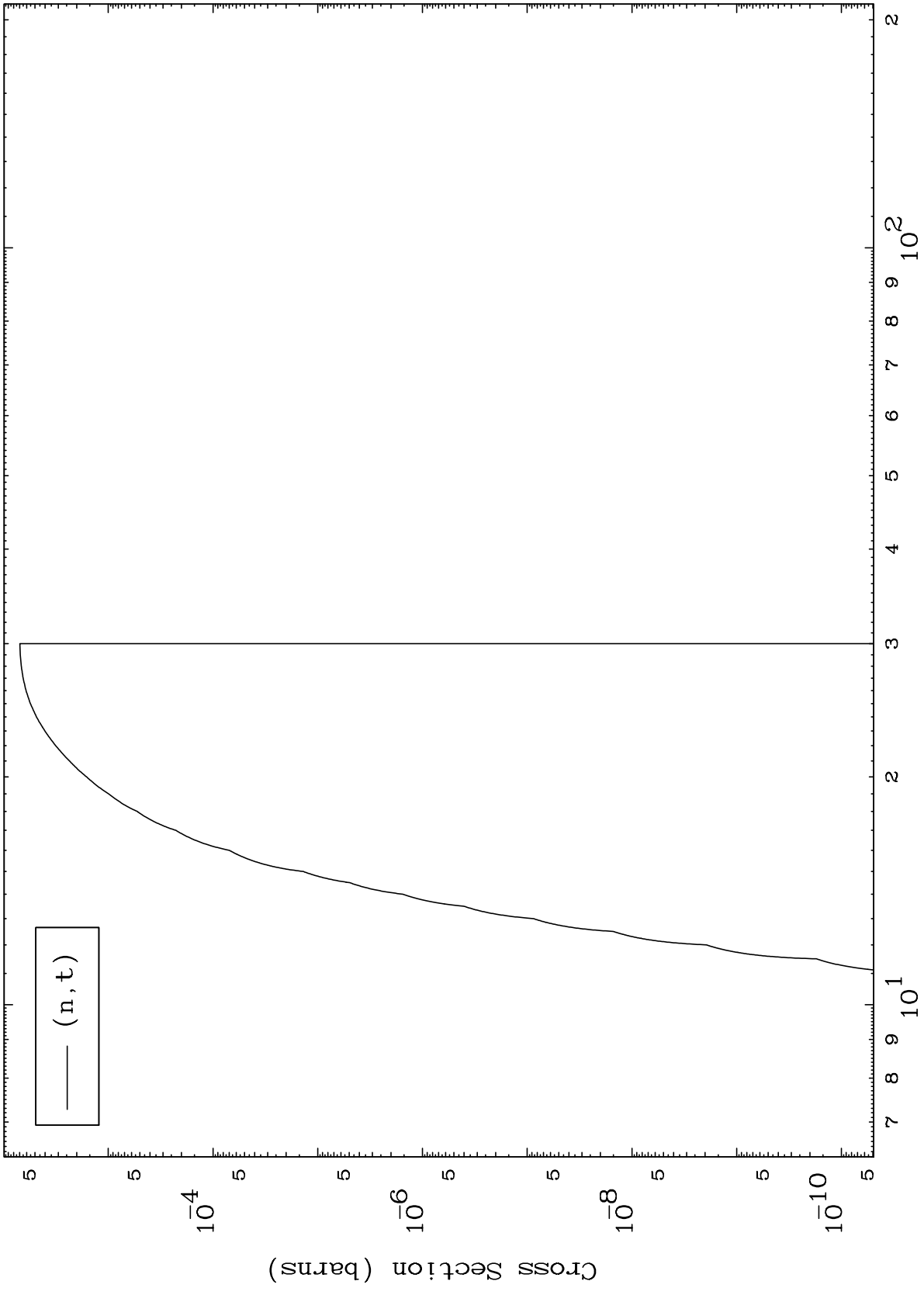
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-166



12

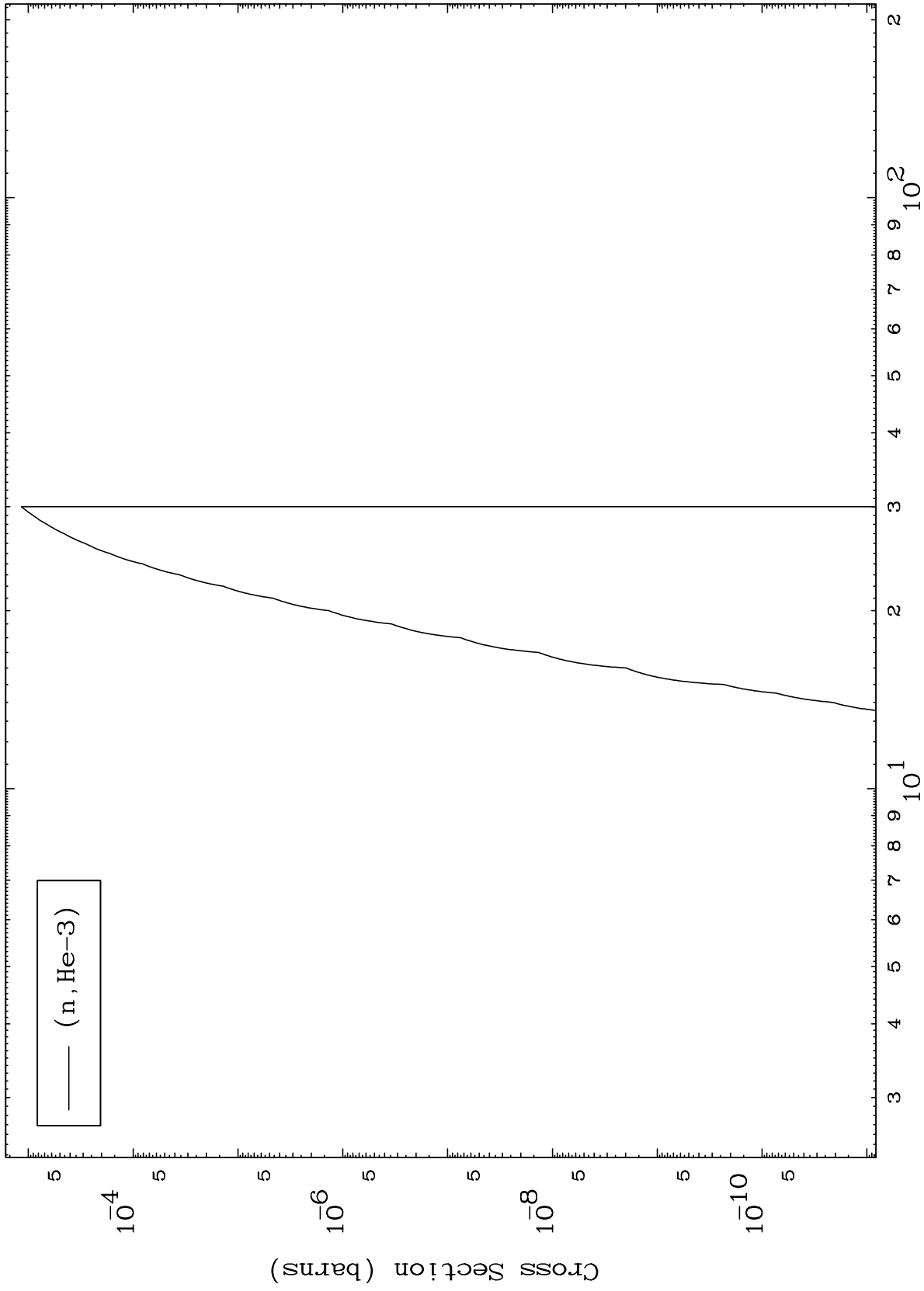
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-166



13

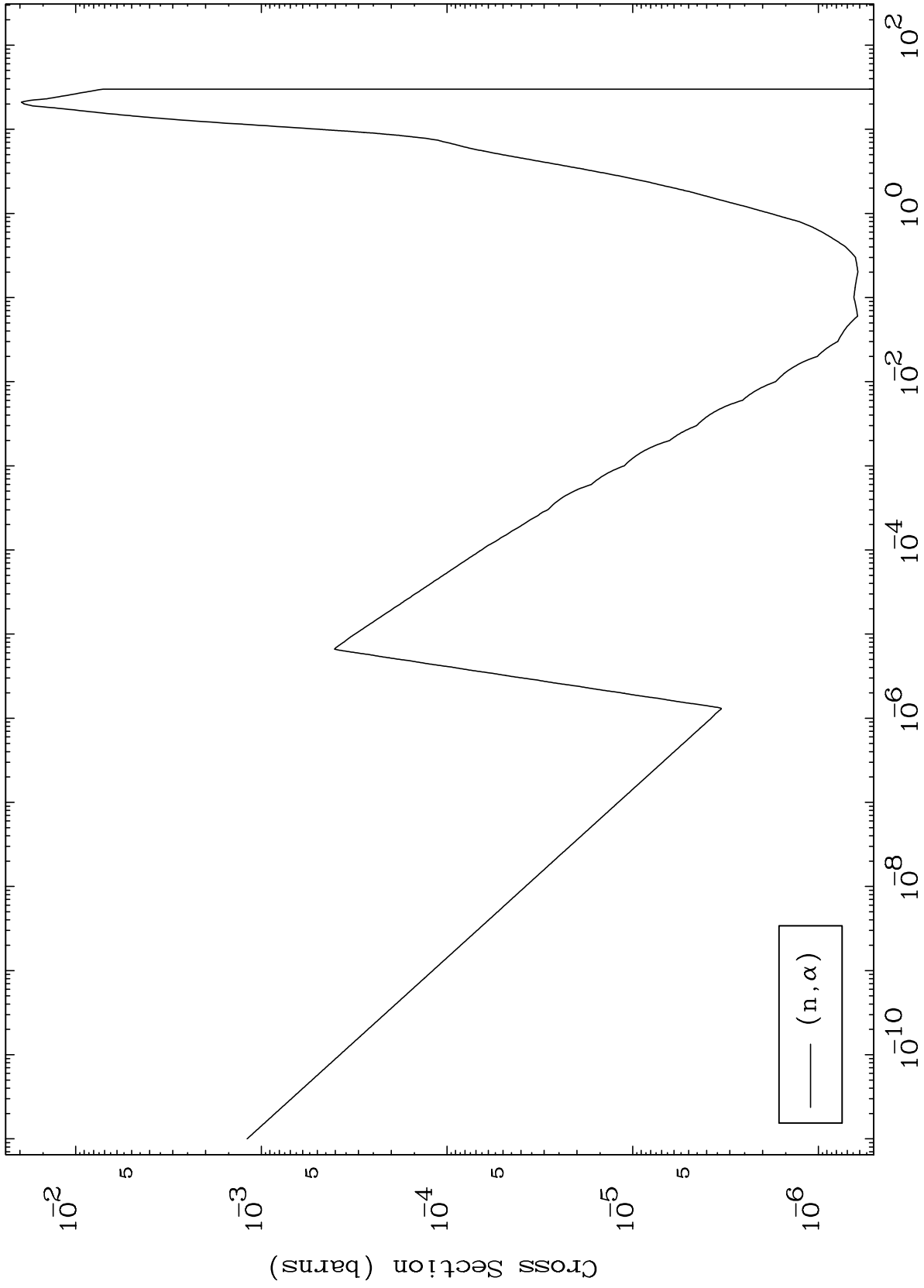
Incident Energy (MeV)

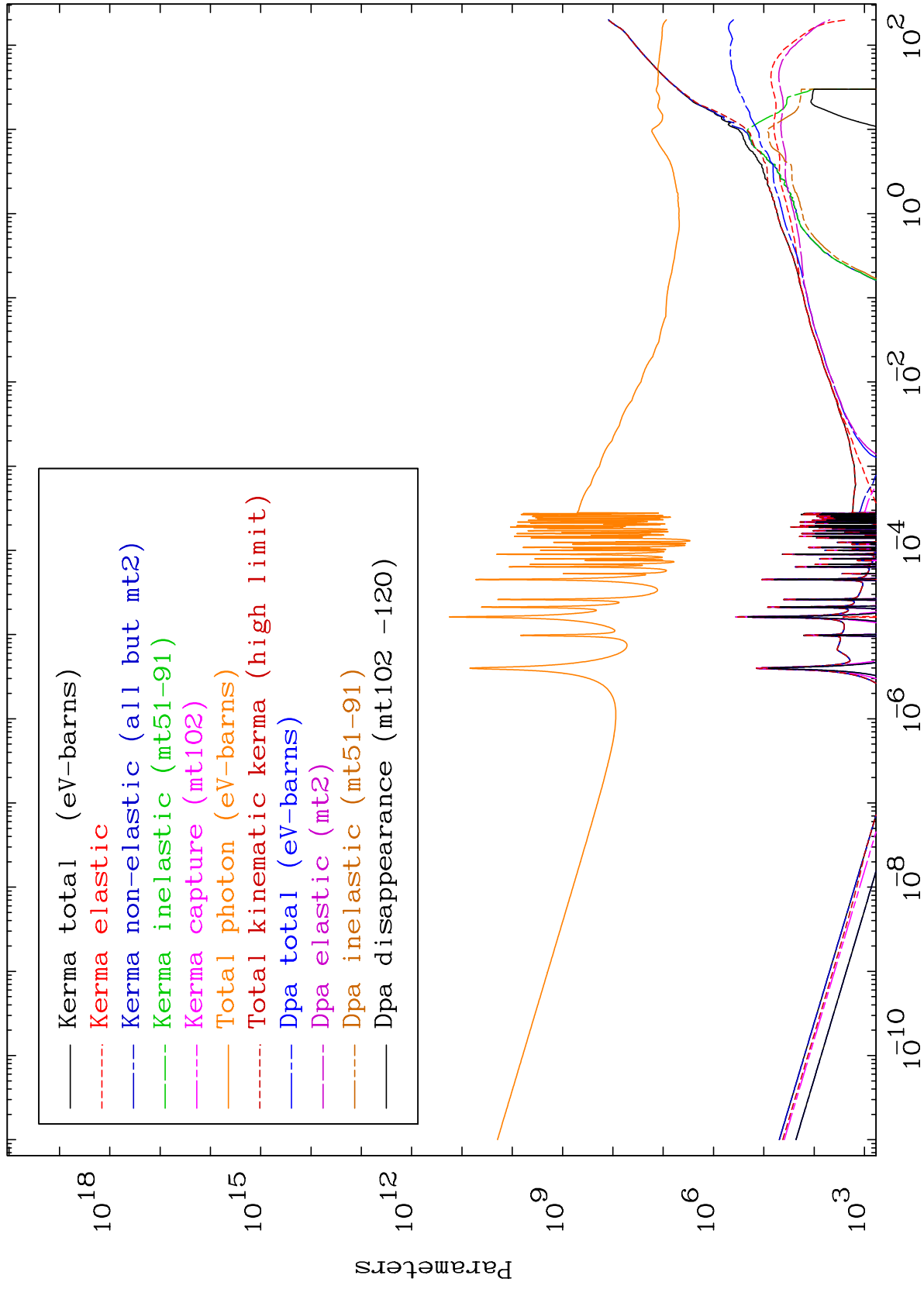
70-Yb-166

MAT 7019

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-166

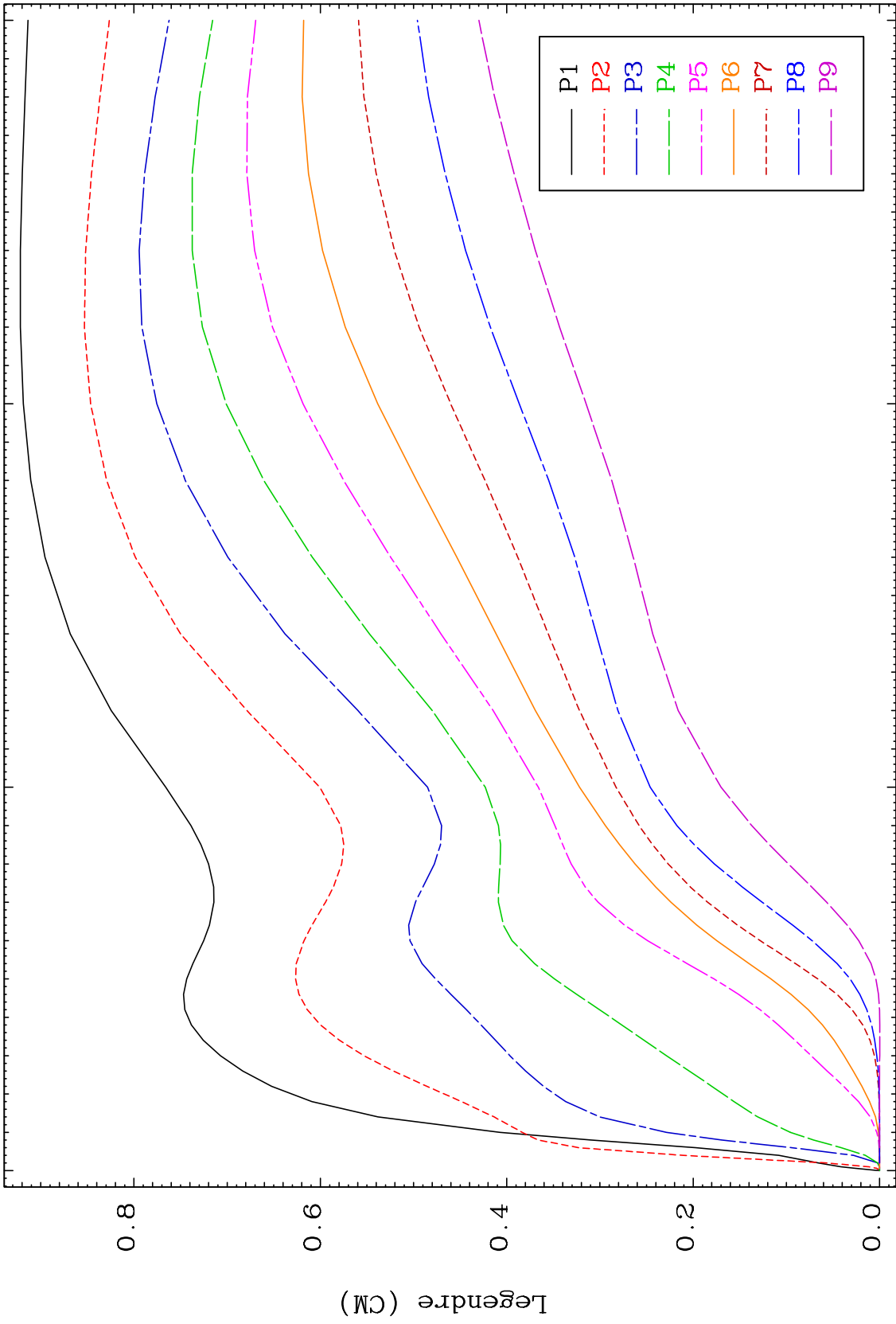




MAT 7019

Elastic Legendre Coefficients

70-Yb-166



16

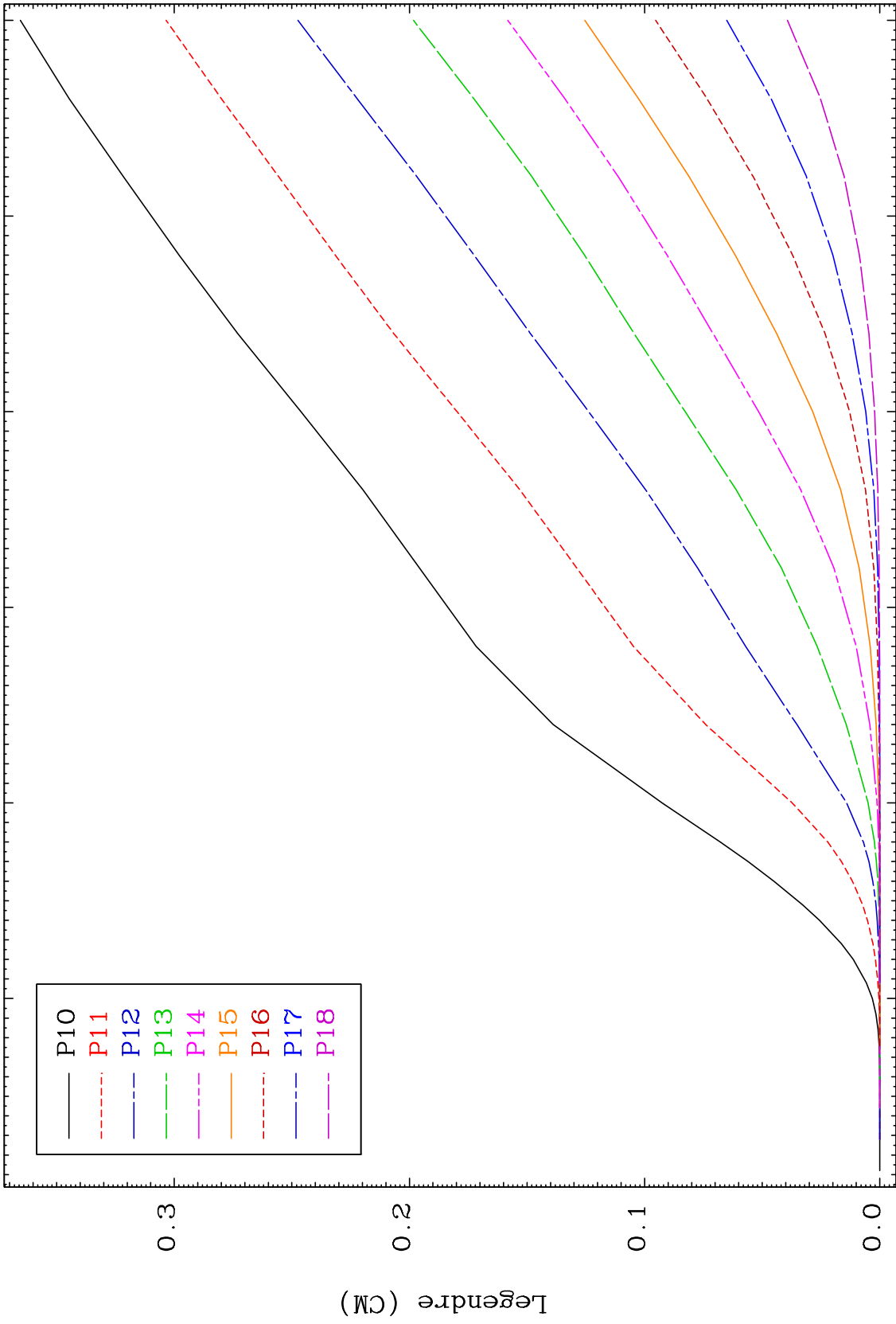
Incident Energy (MeV)

70-Yb-166

MAT 7019

Elastic Legendre Coefficients

70-Yb-166



17

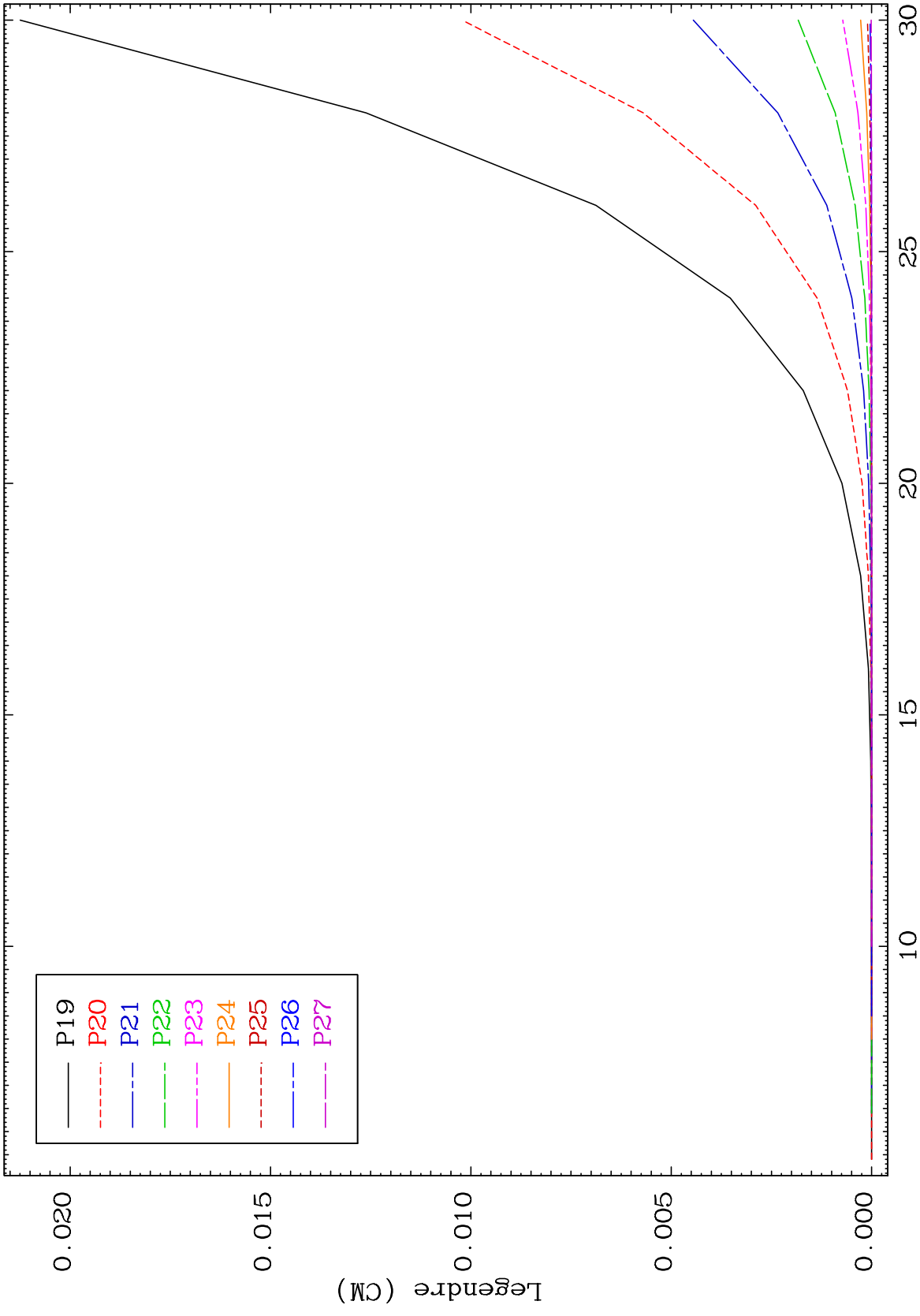
Incident Energy (MeV)

70-Yb-166

MAT 7019

Elastic Legendre Coefficients

70-Yb-166



18

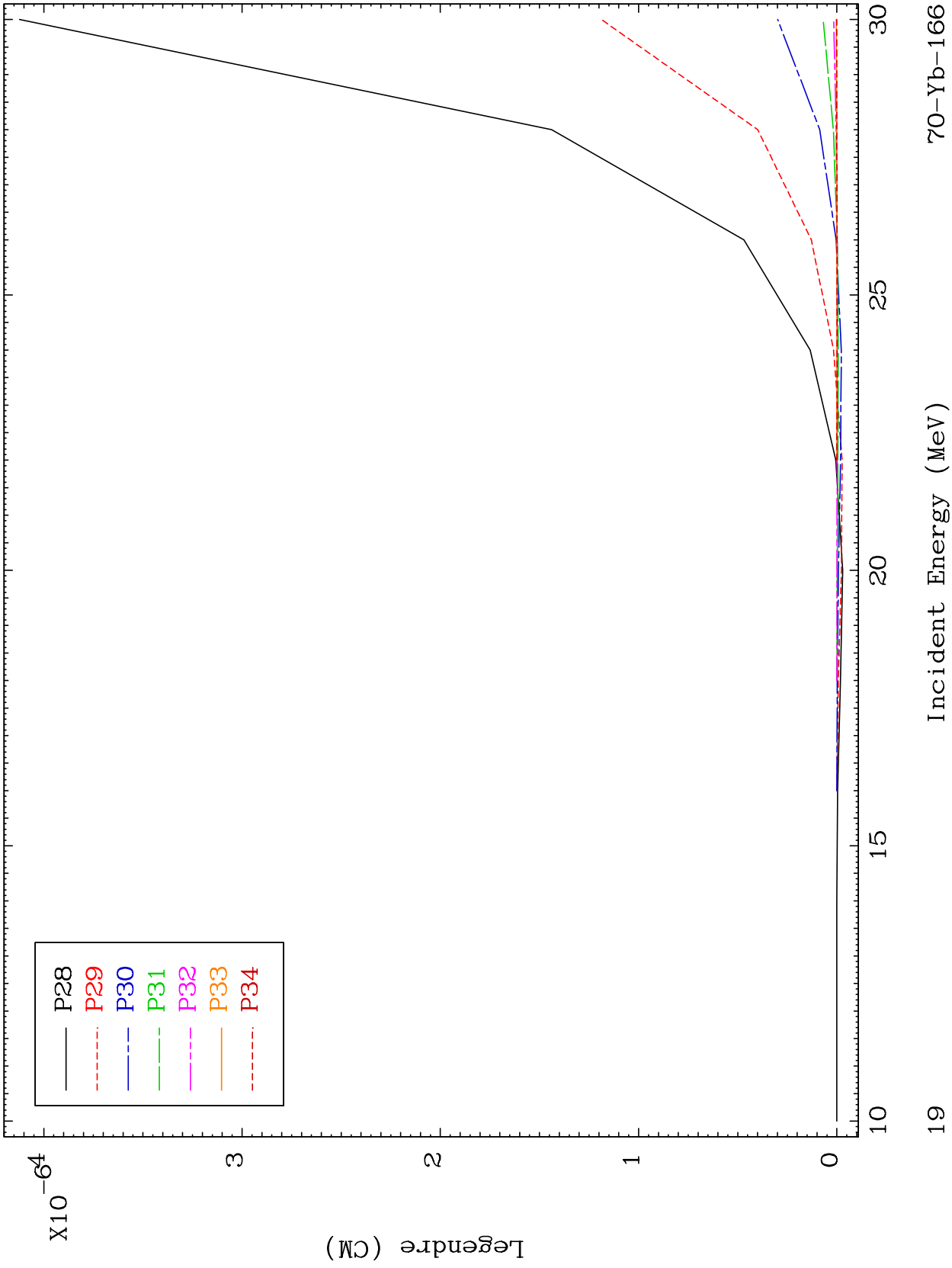
Incident Energy (MeV)

70-Yb-166

MAT 7019

Elastic Legendre Coefficients

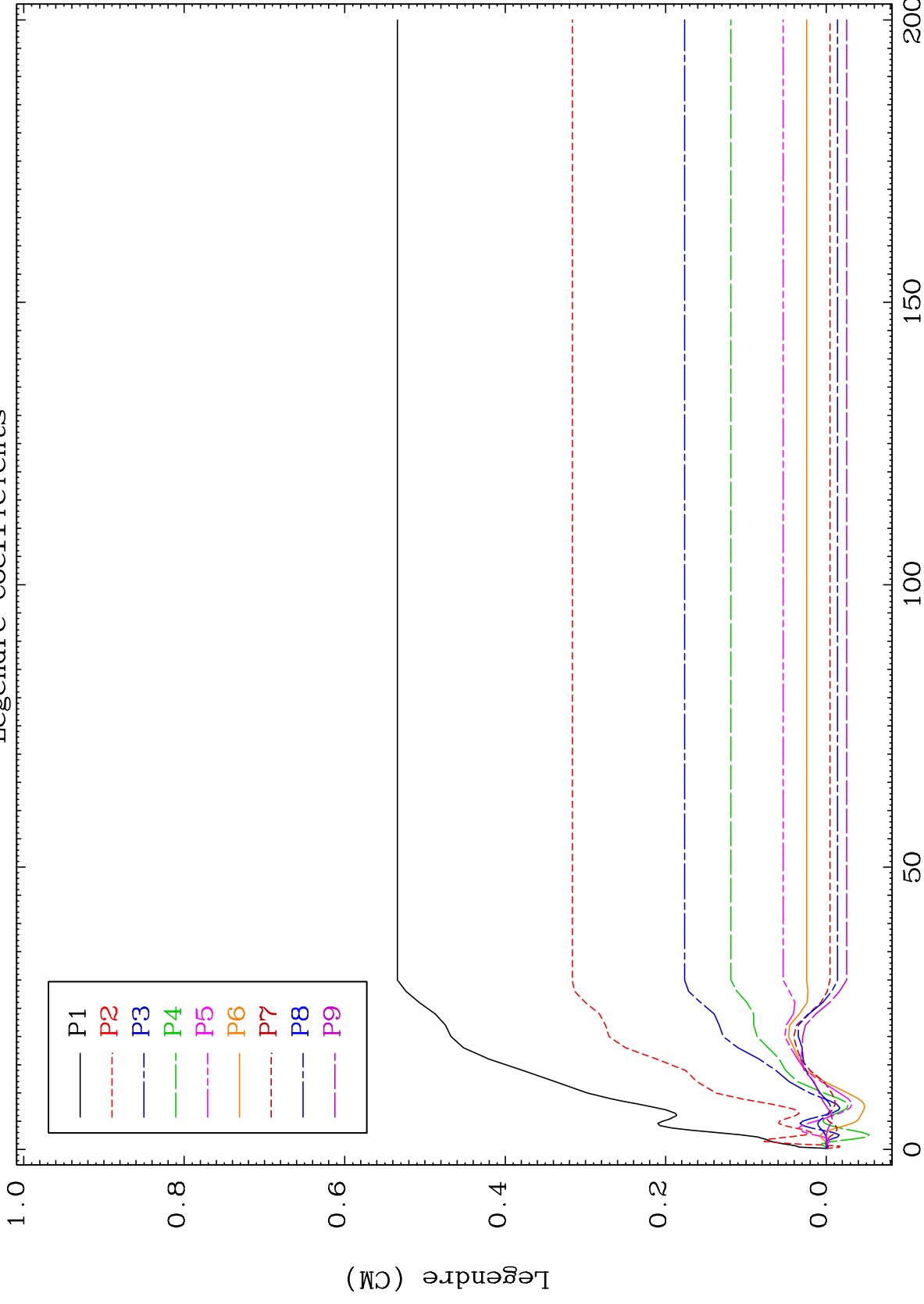
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

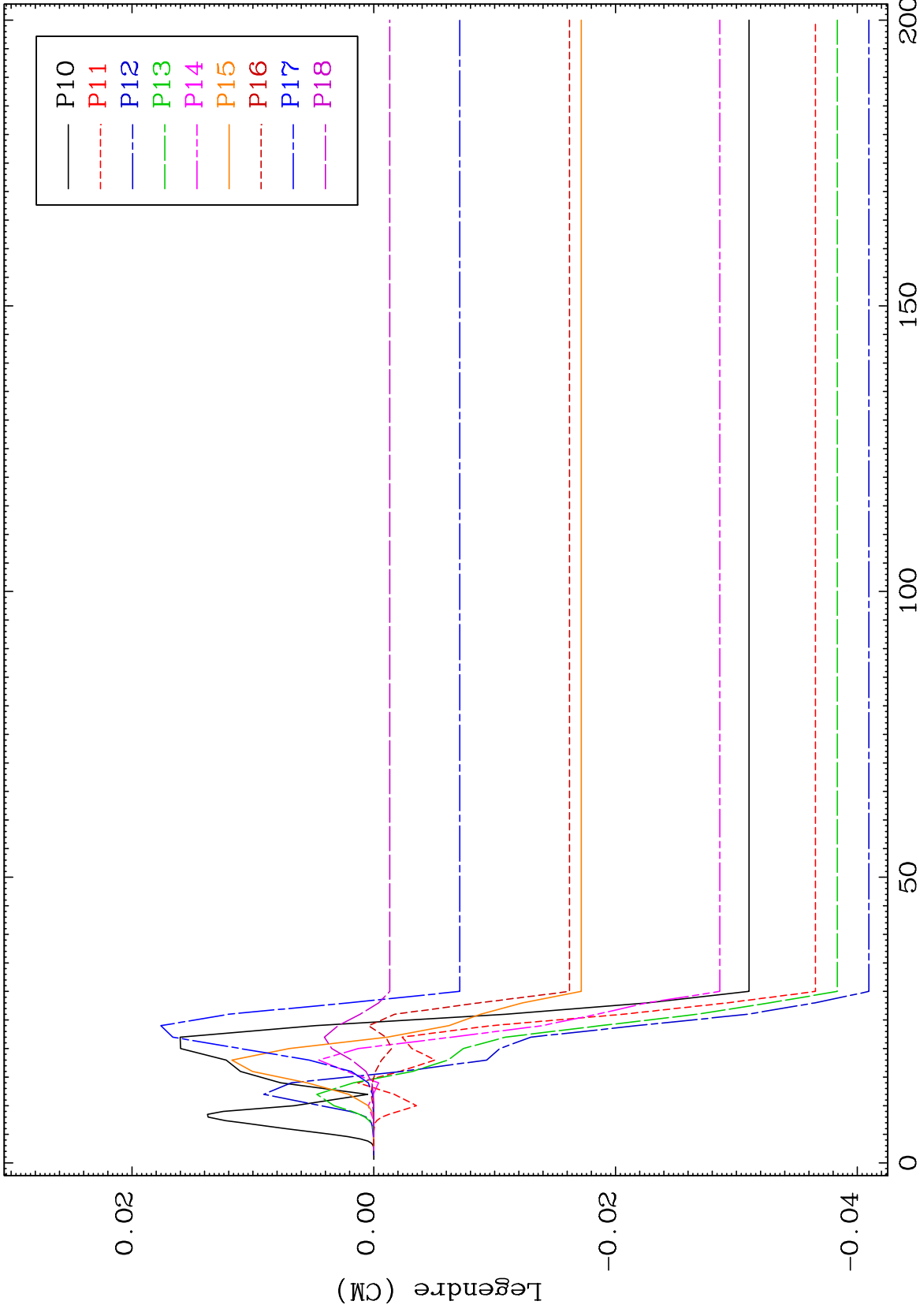
Incident Energy (MeV)

20

MAT 7019

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

70-Yb-166



21

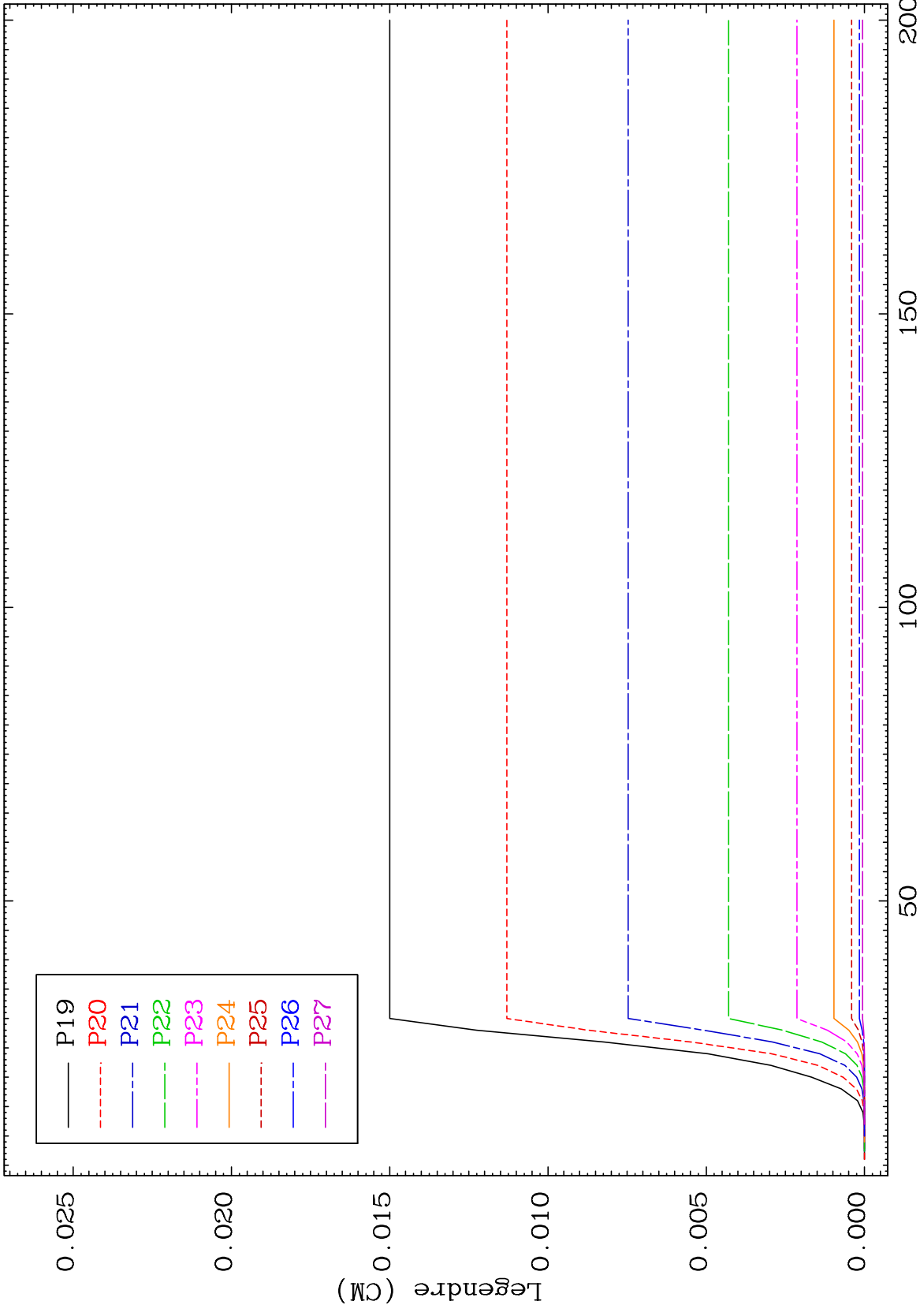
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



22

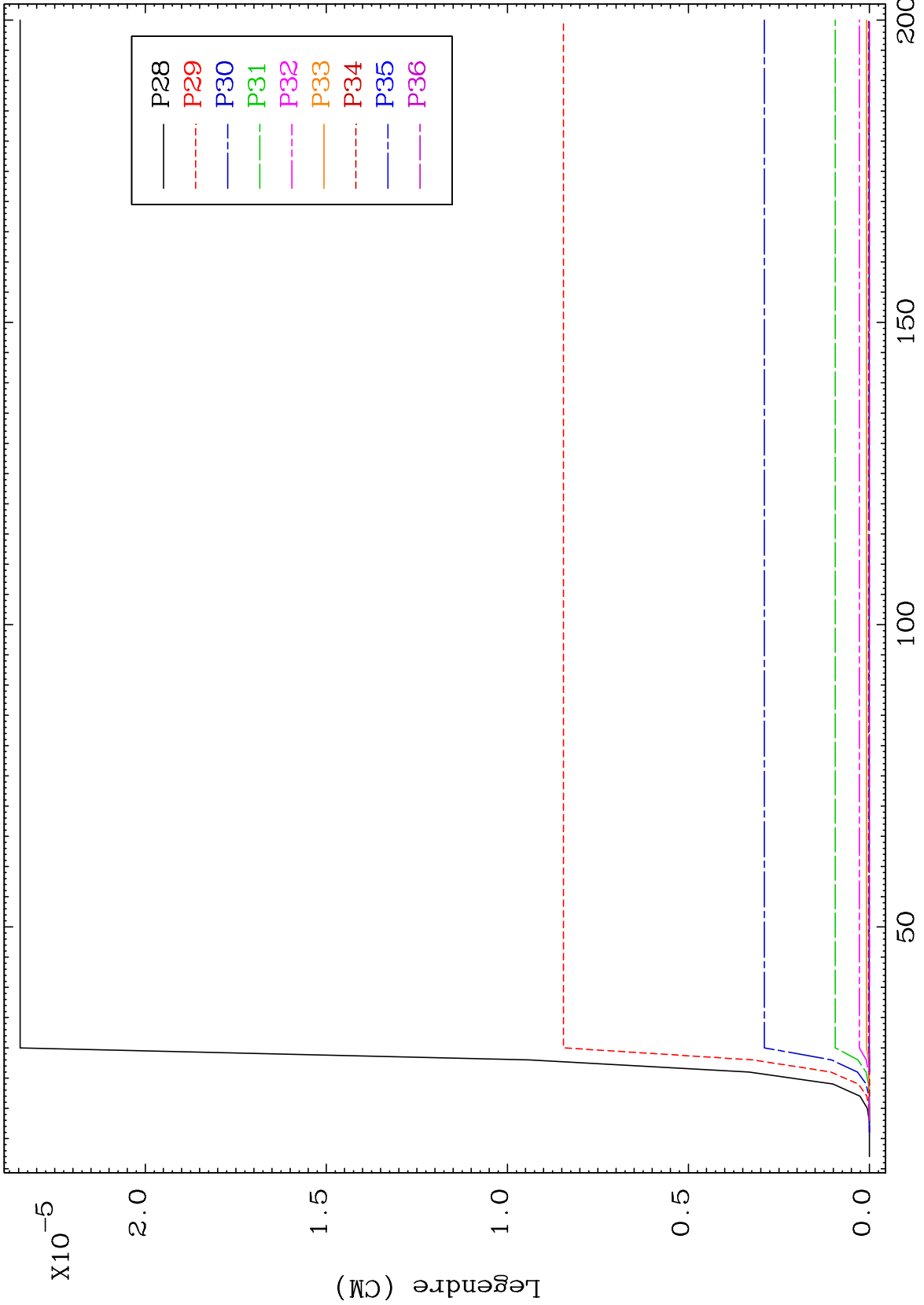
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

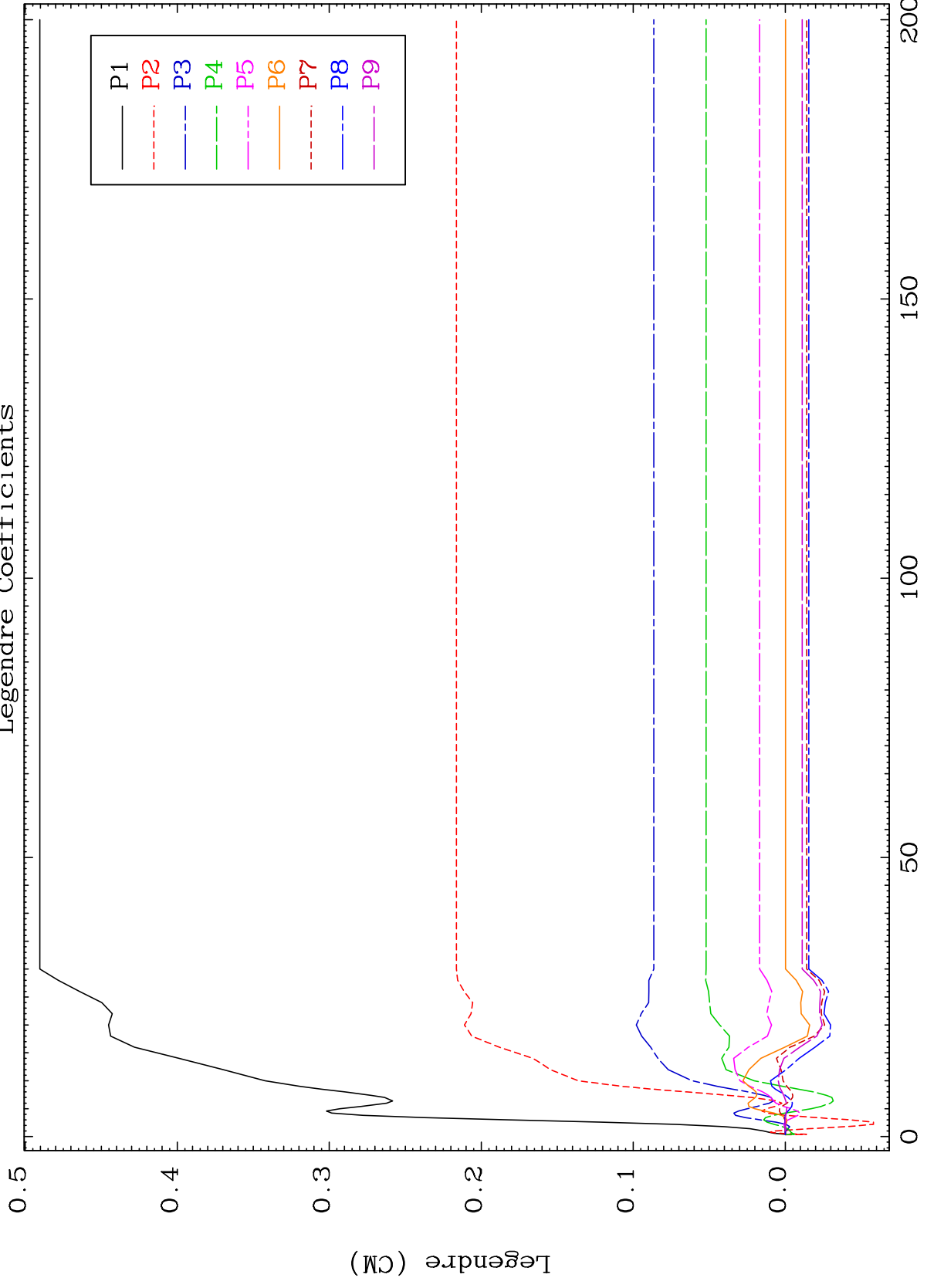
70-Yb-166



23

70-Yb-166

MAT 7019 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-166

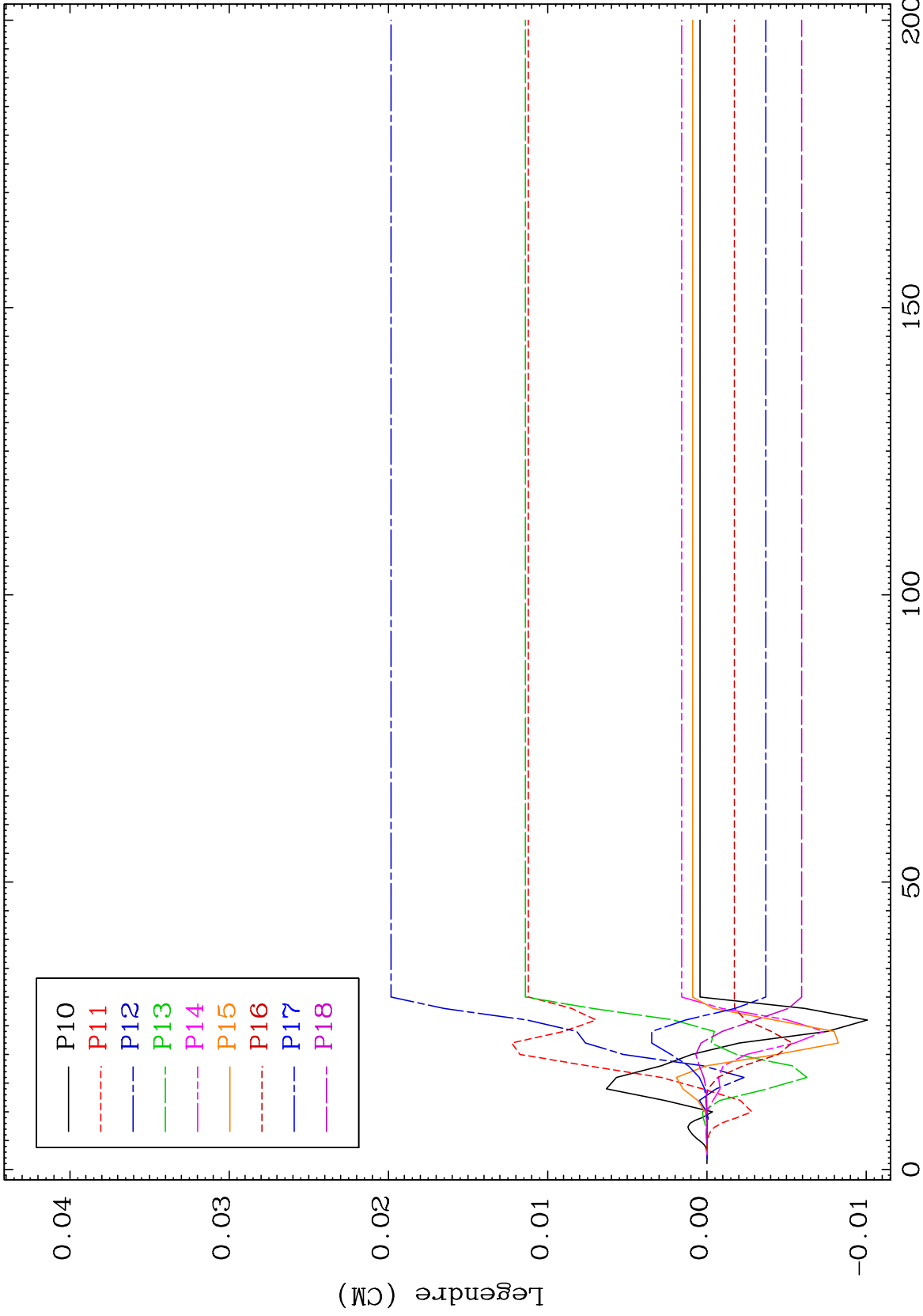


24 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

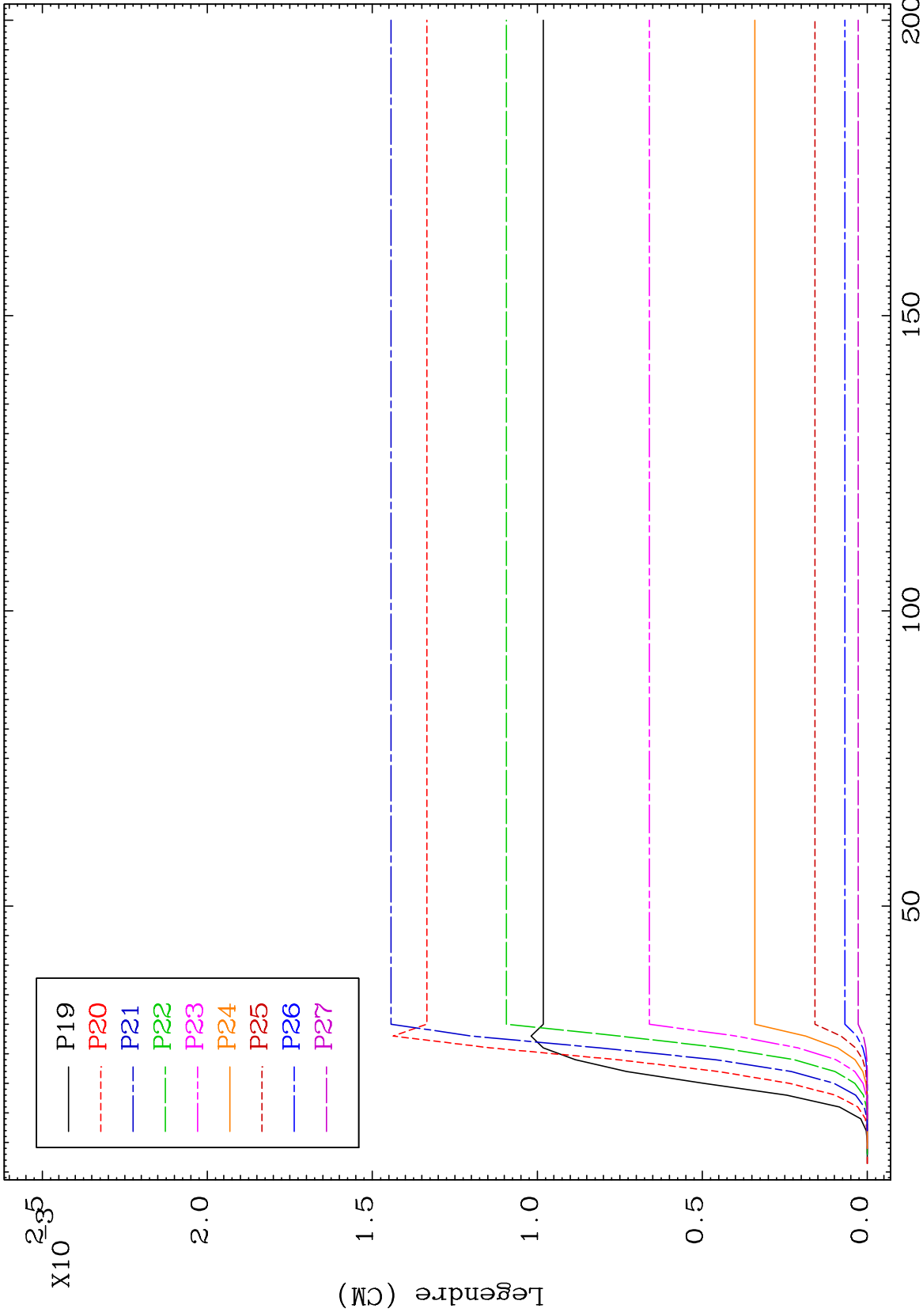
70-Yb-166



25

Incident Energy (MeV)

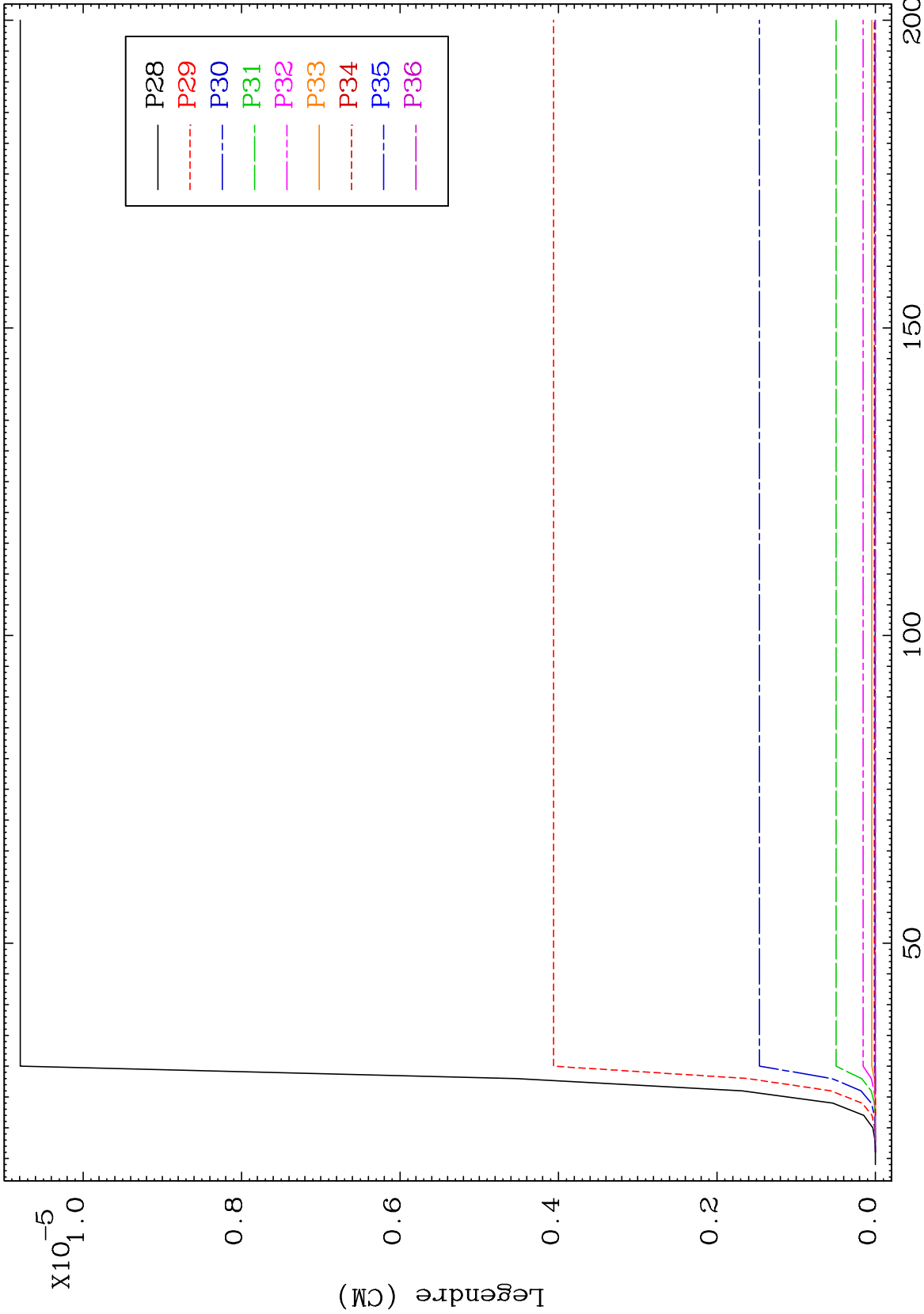
70-Yb-166



MAT 7019

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

70-Yb-166



27

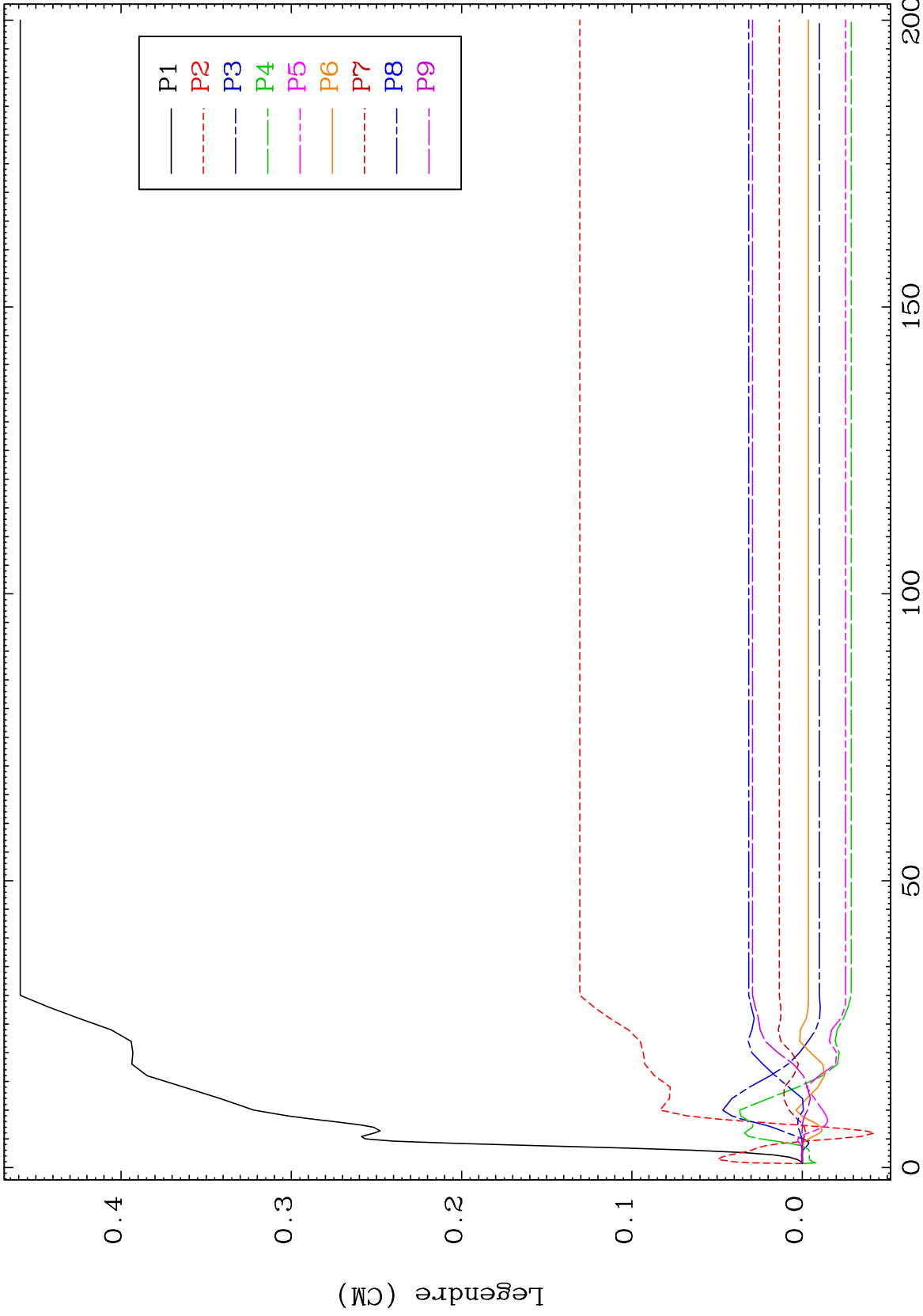
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

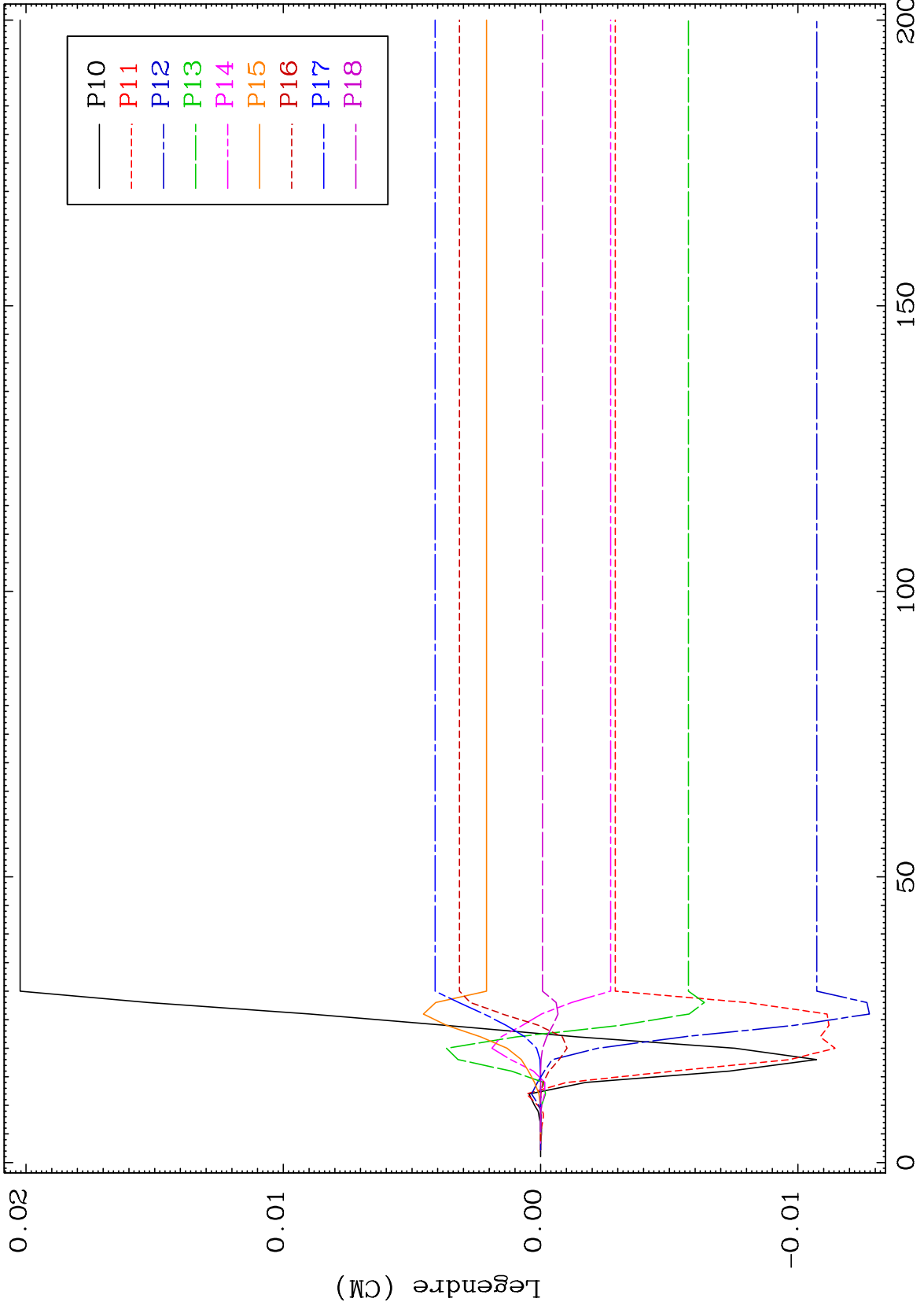


28

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-166

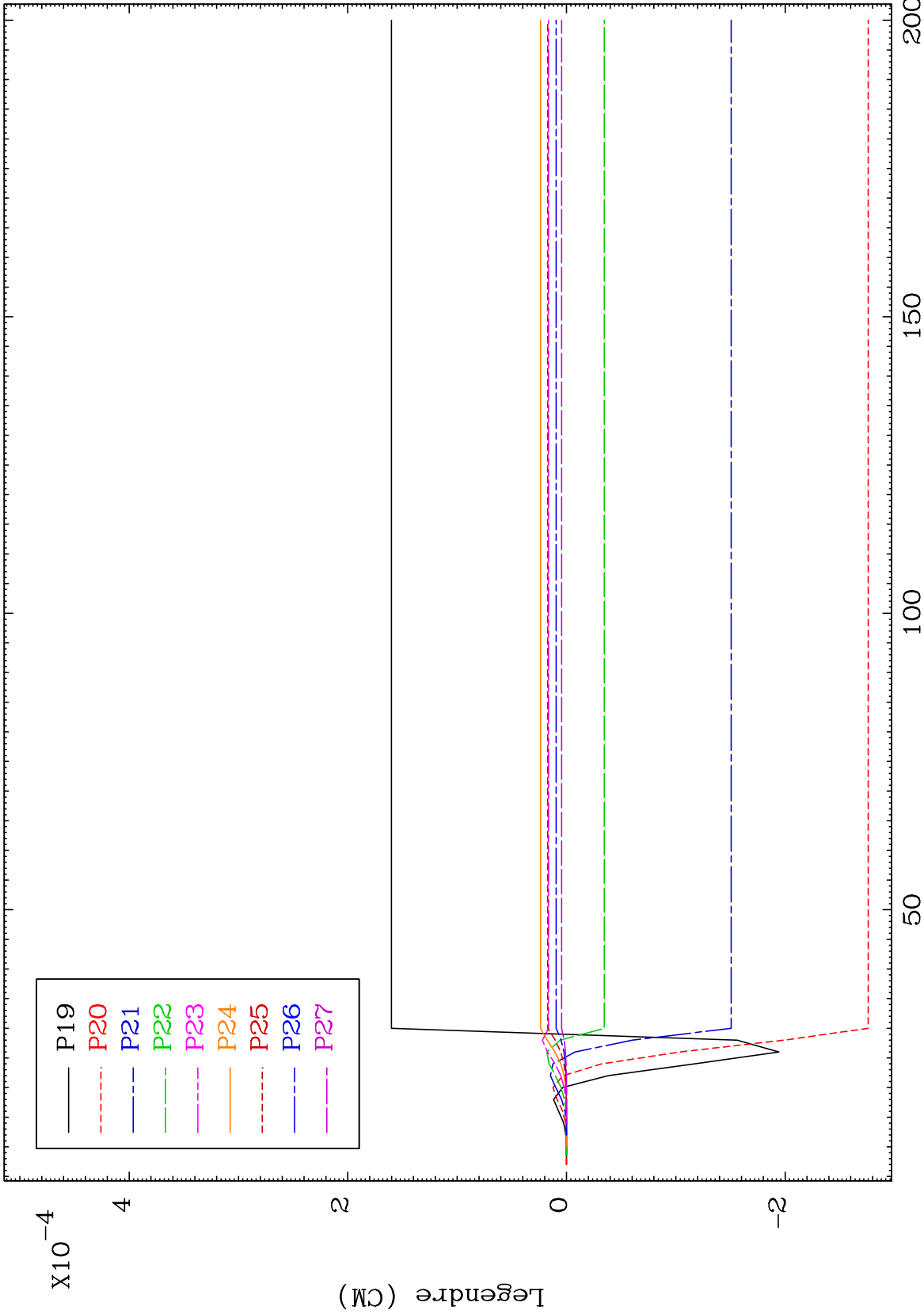


29 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



30

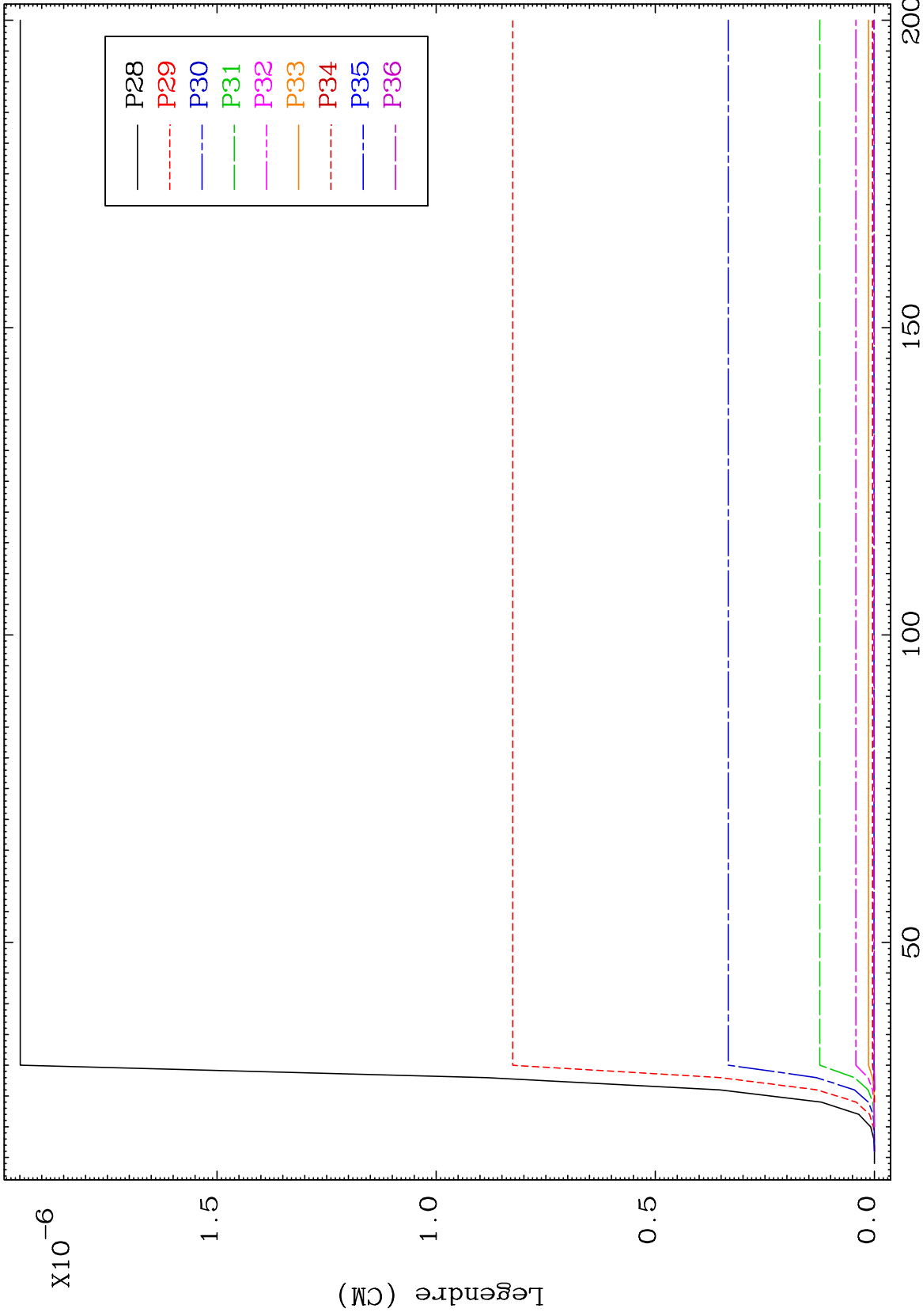
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

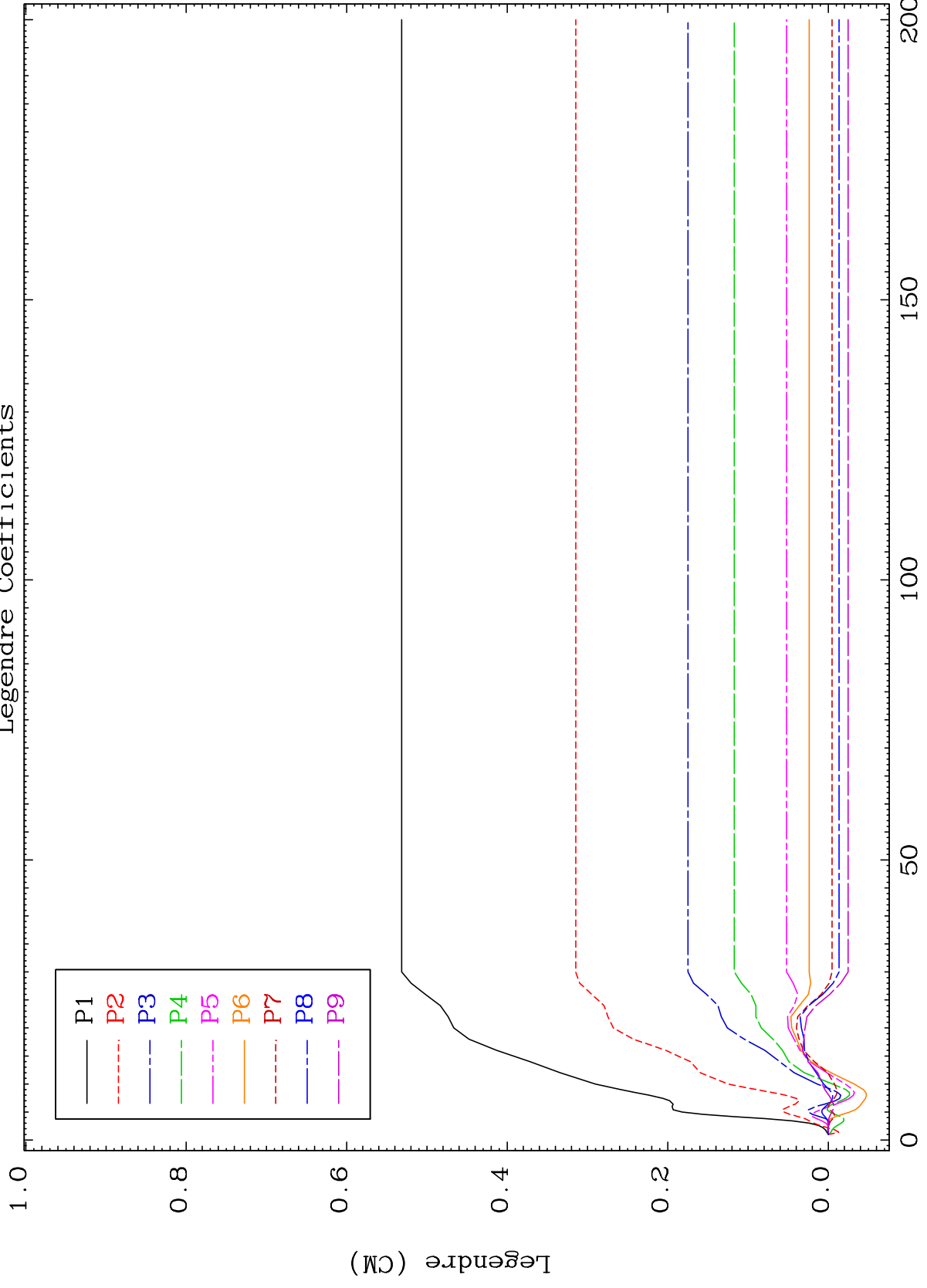


31

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-166

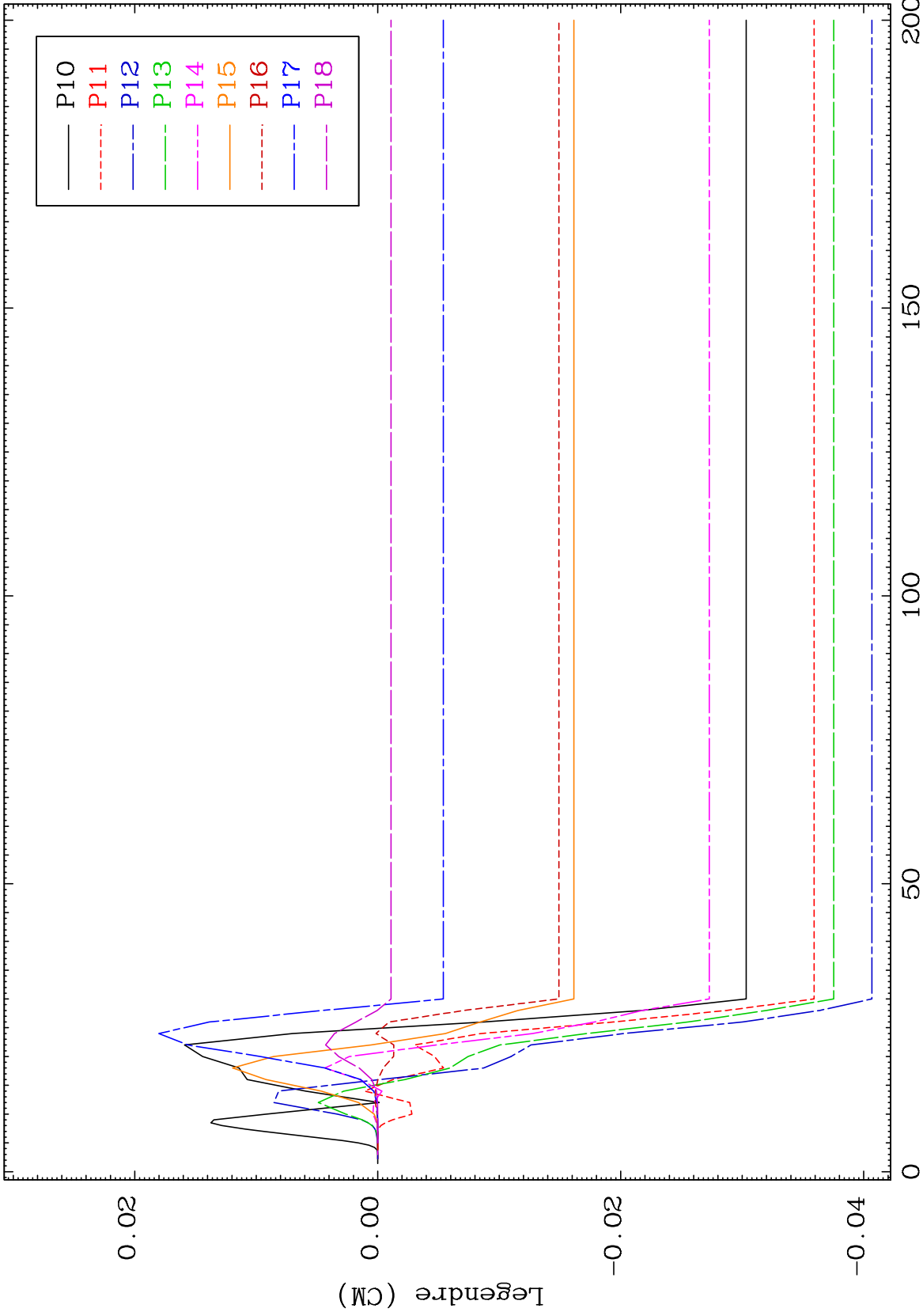


32 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



33

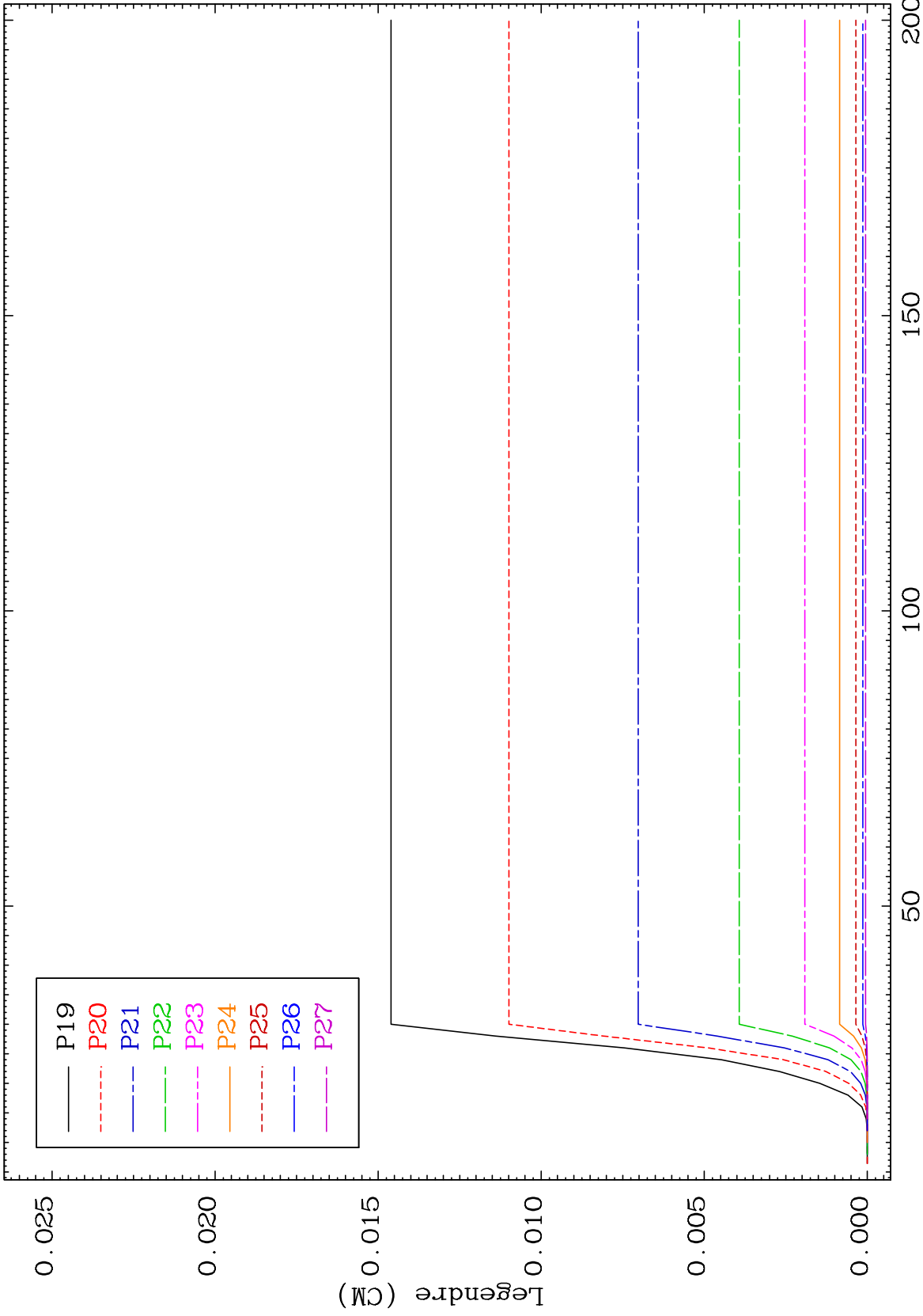
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



34

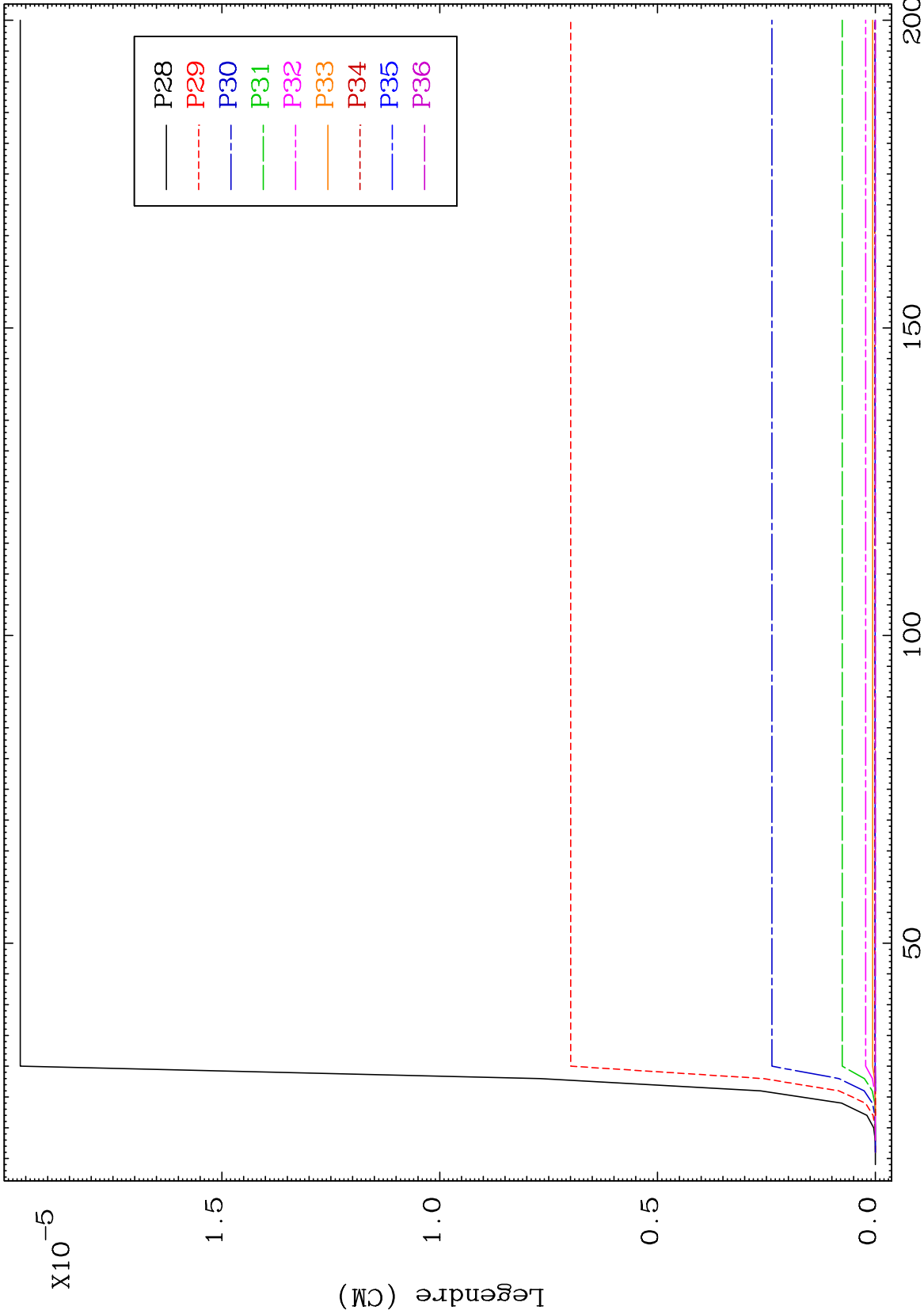
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

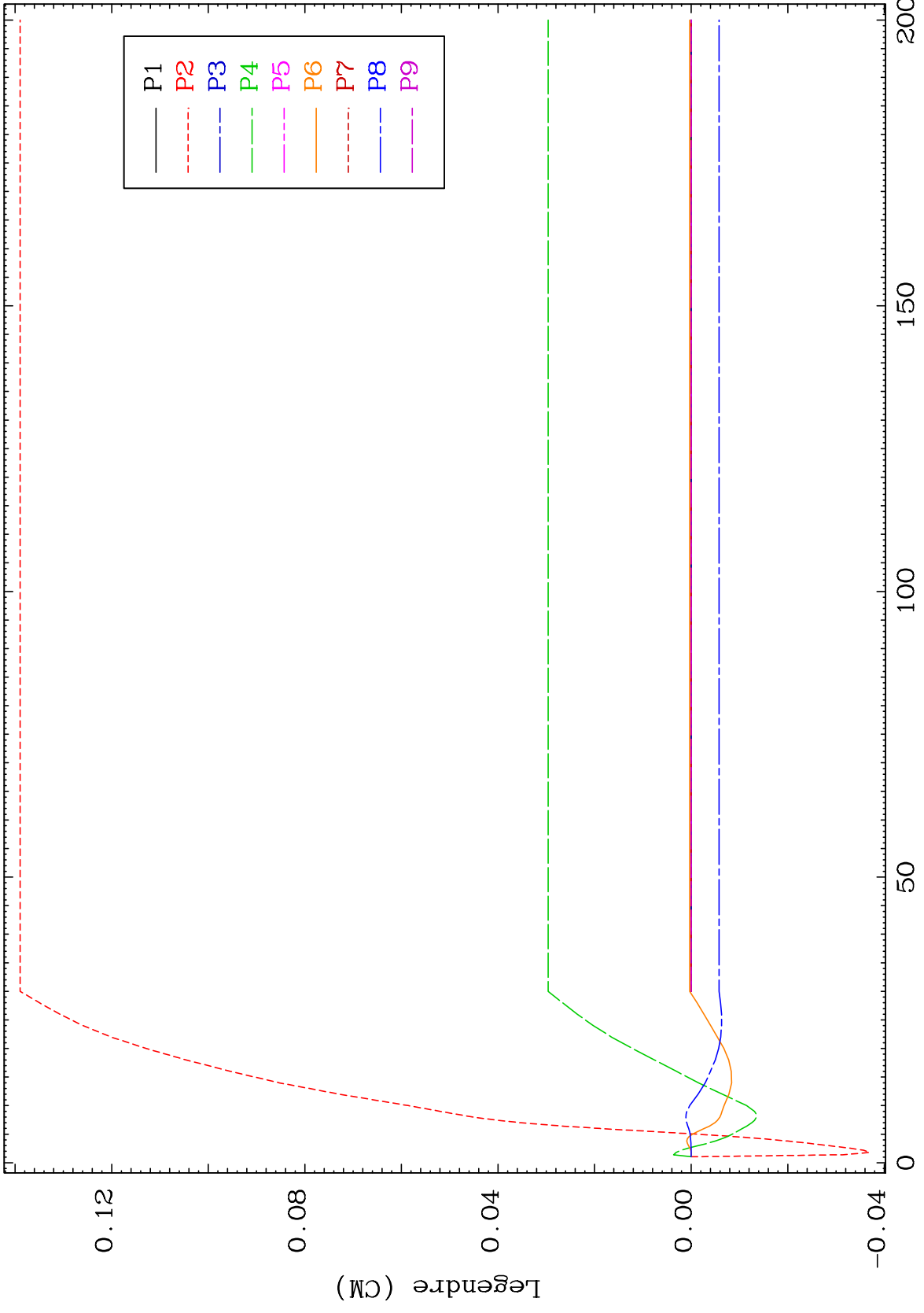


35

Incident Energy (MeV)

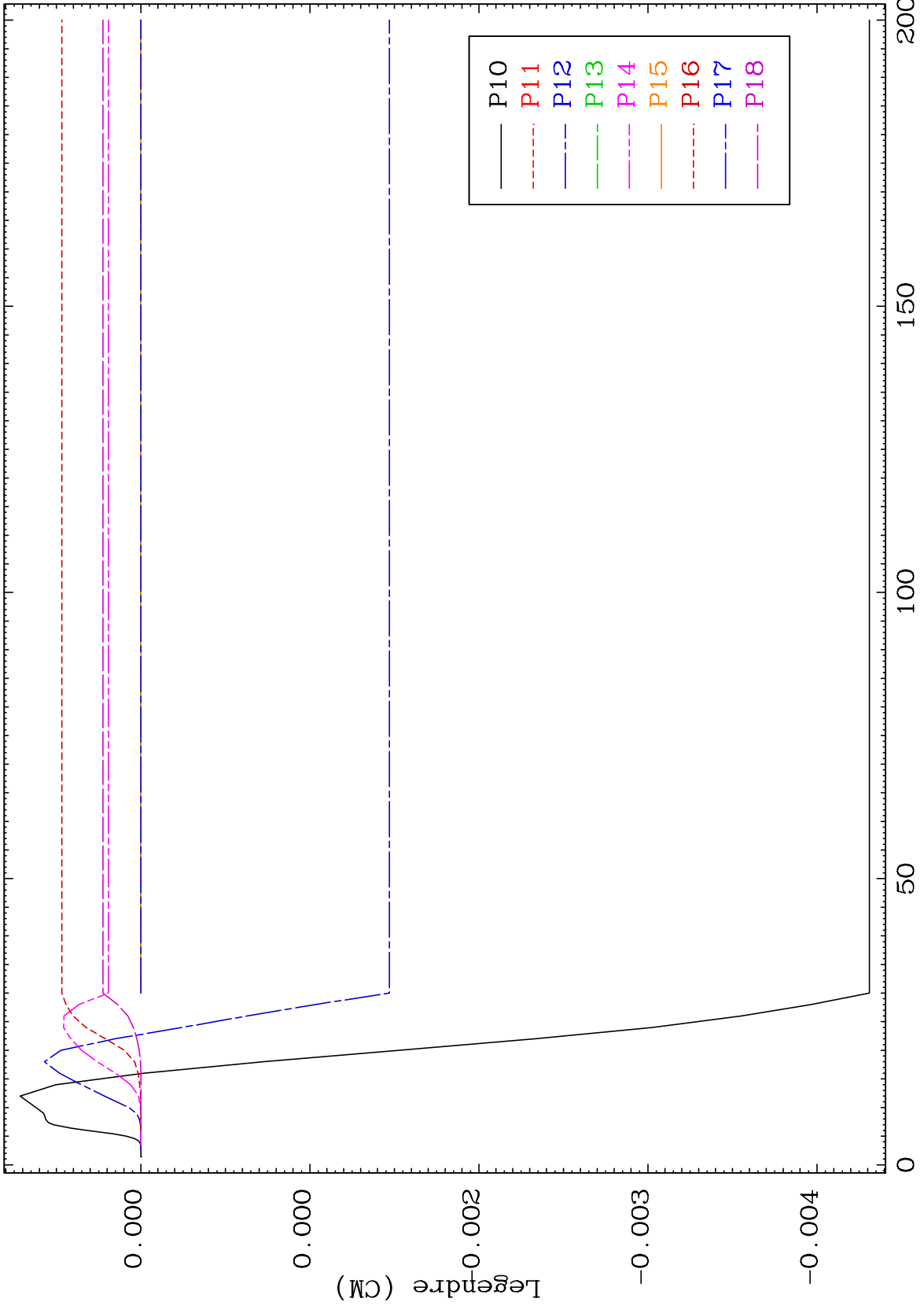
70-Yb-166

MAT 7019 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-166



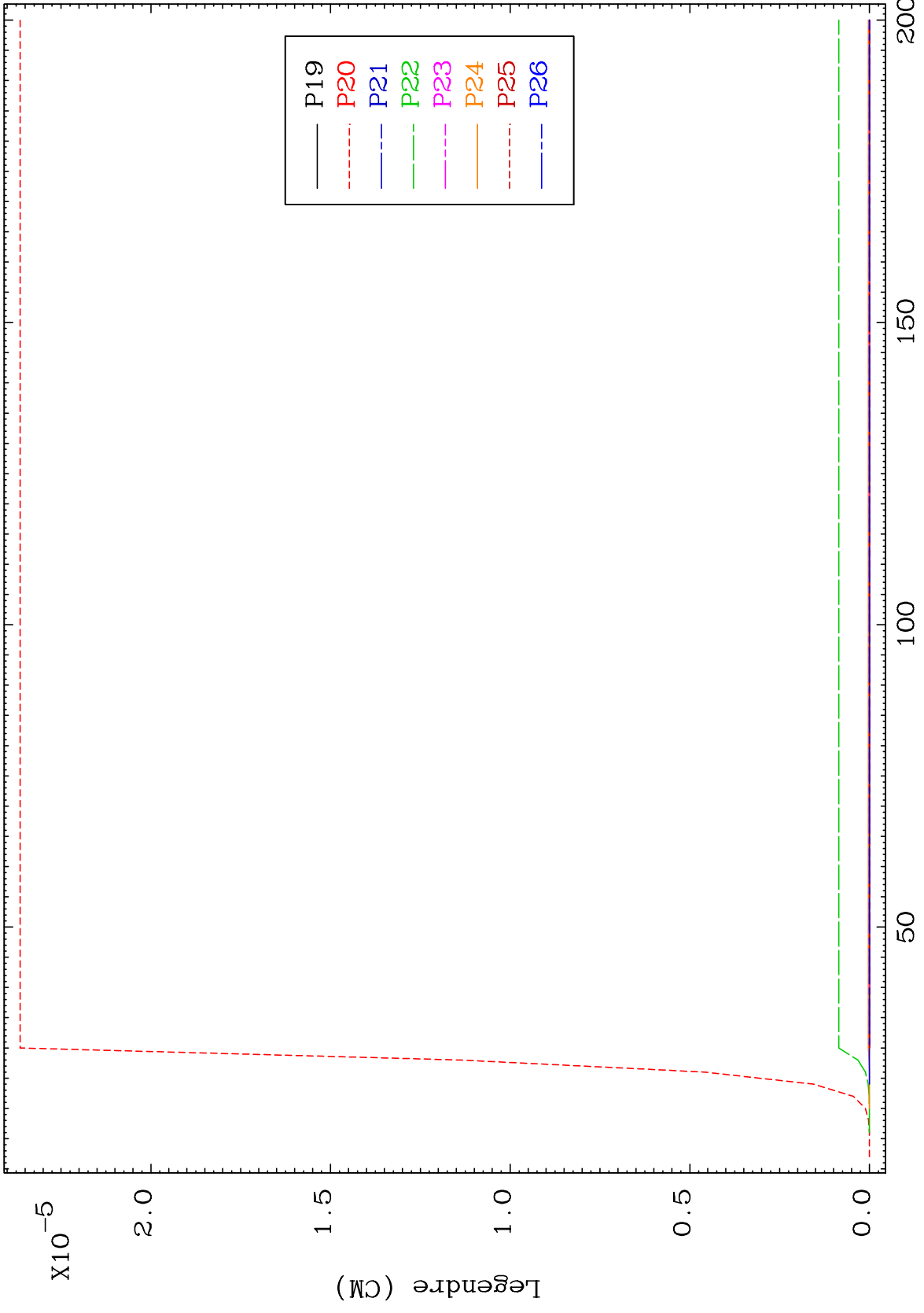
36 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-166



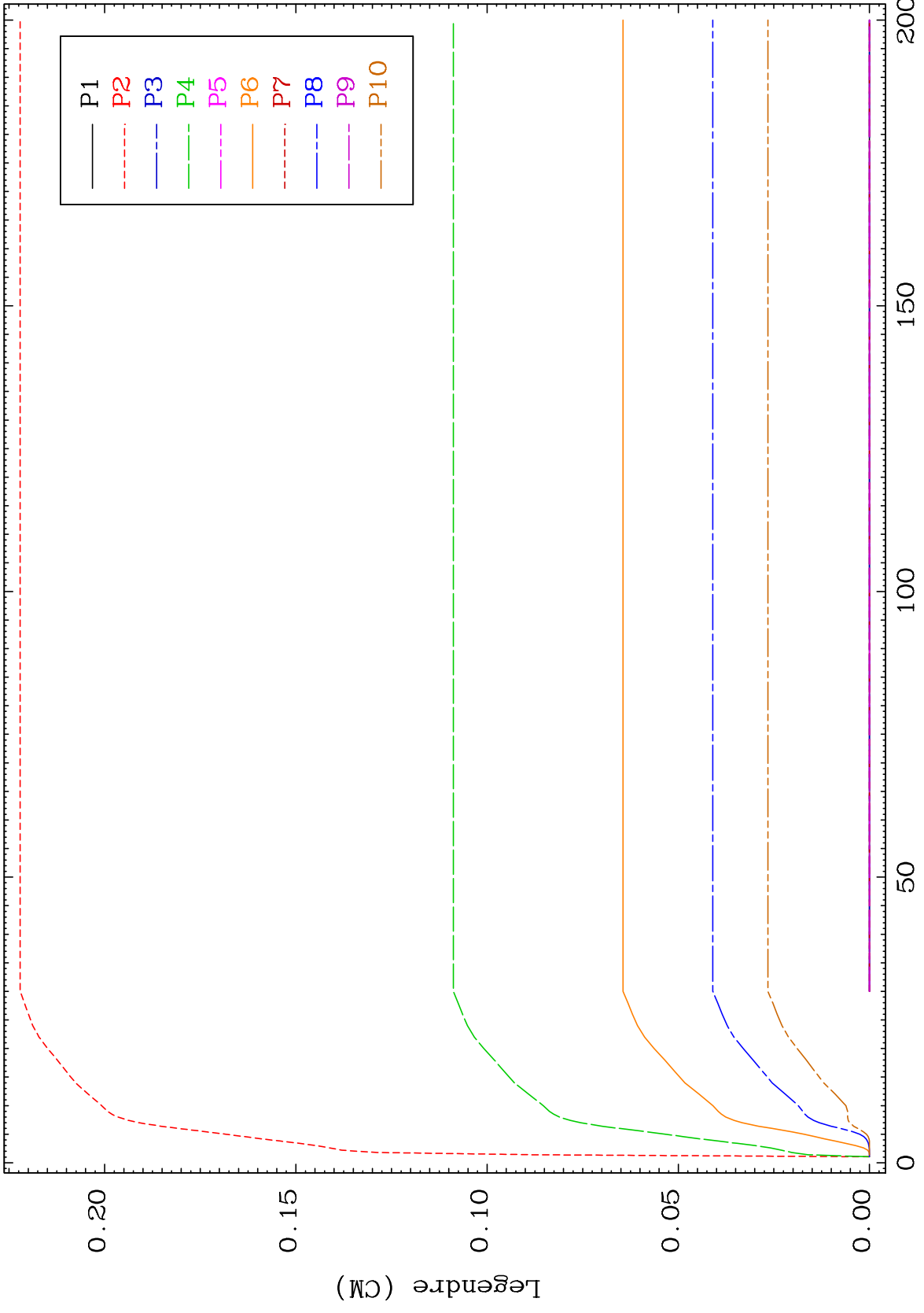
37 70-Yb-166

MAT 7019 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-166



38 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-166

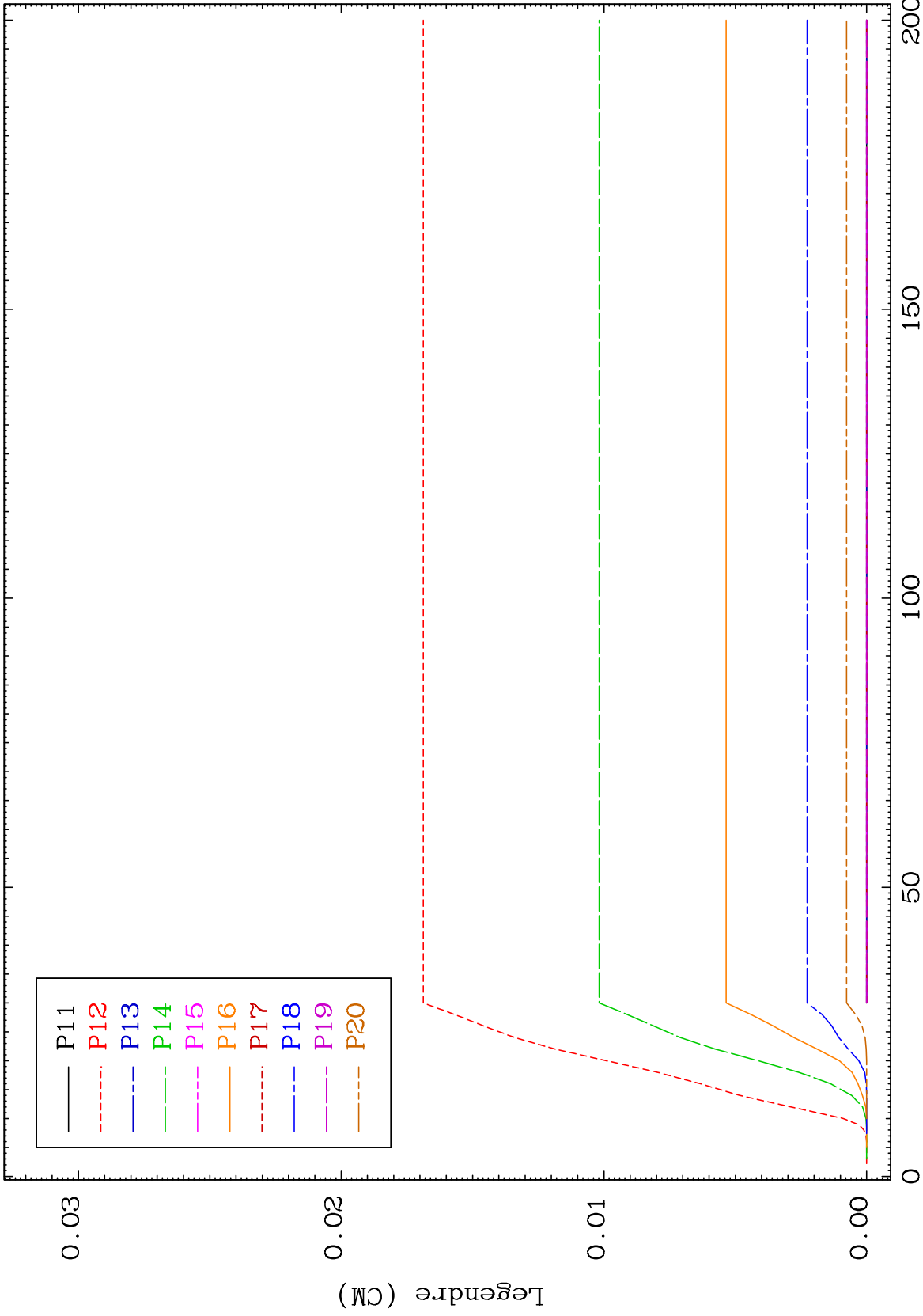


39 70-Yb-166

MAT 7019

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

70-Yb-166



40

50

100

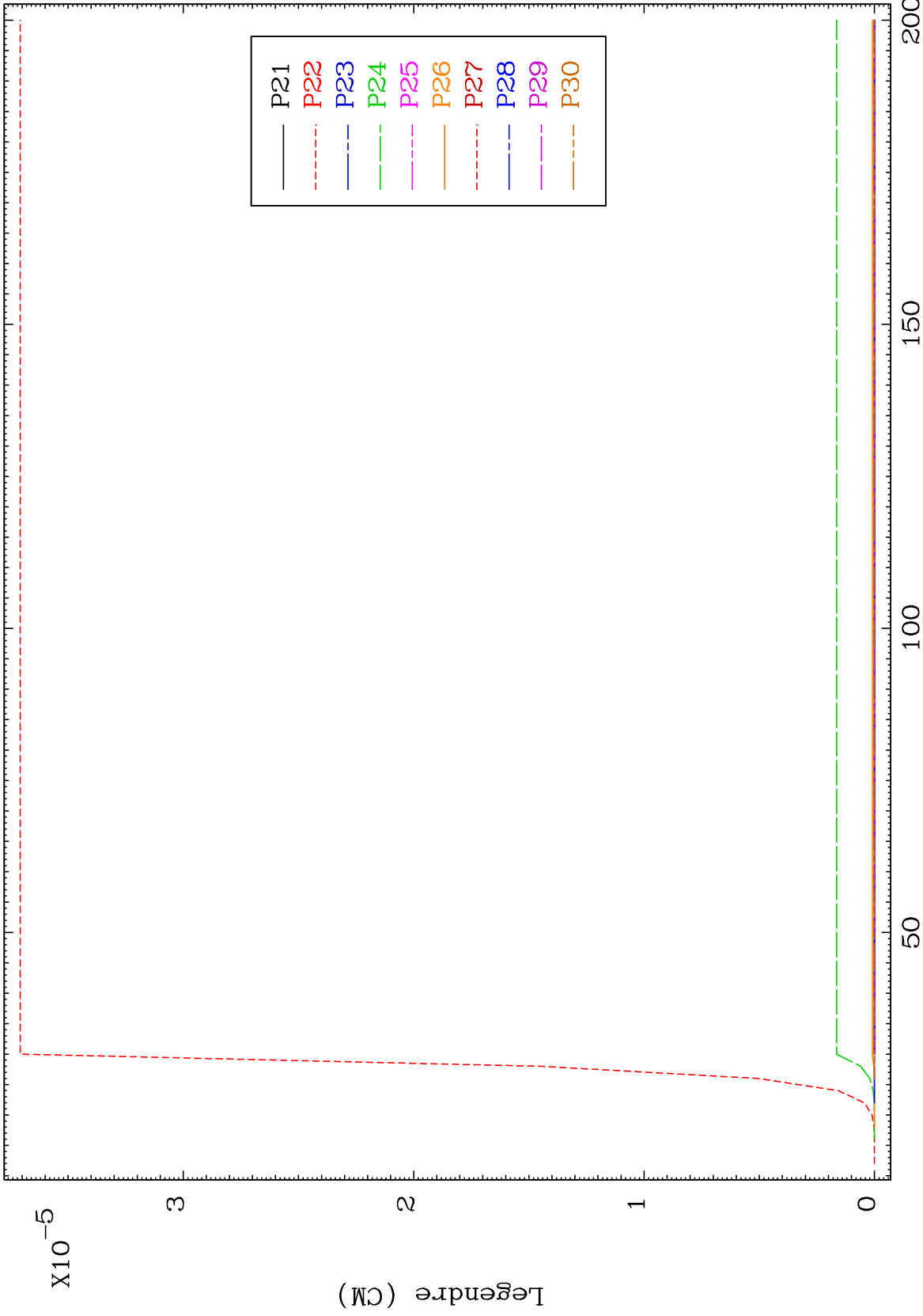
150

200

MAT 7019

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

70-Yb-166



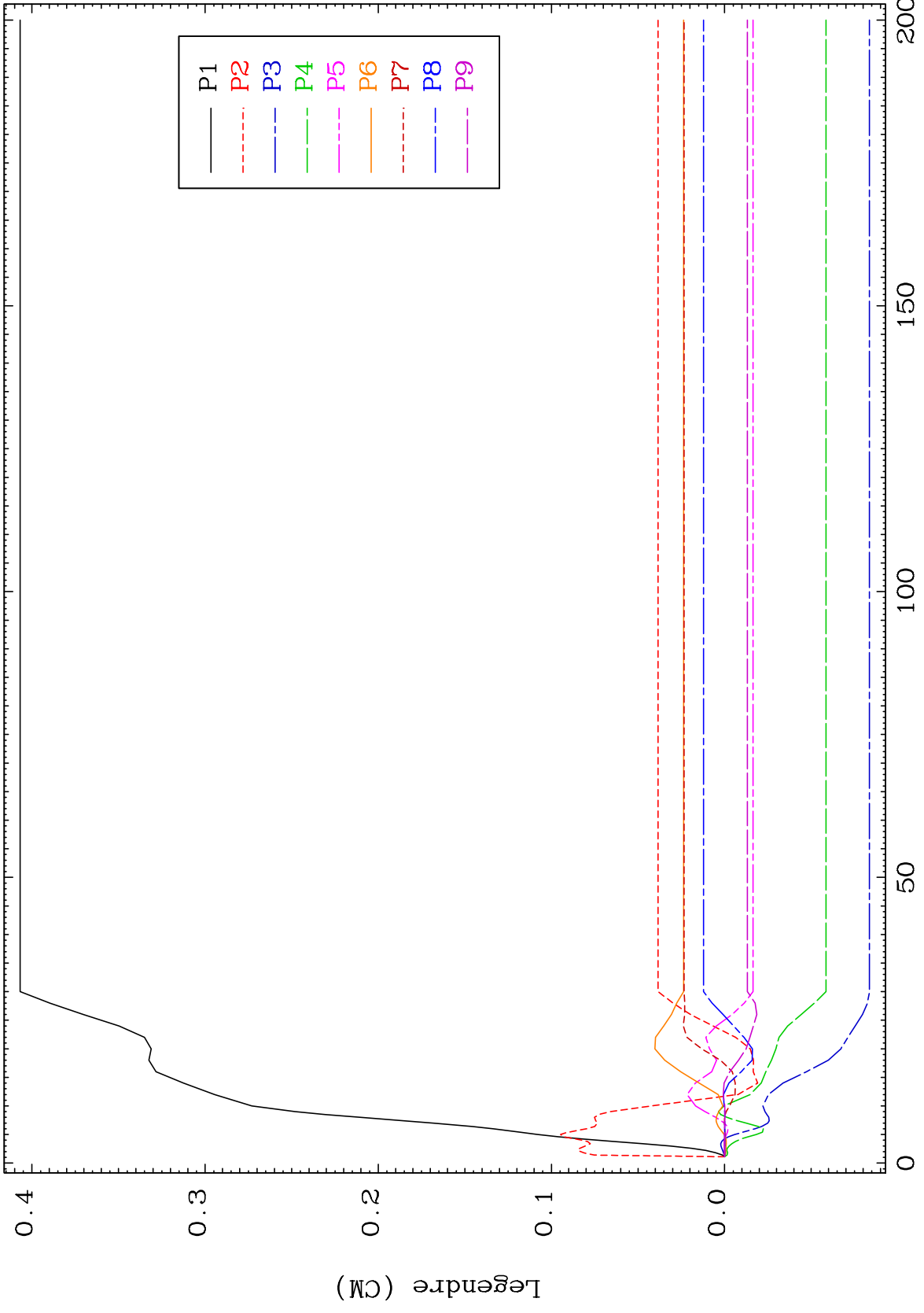
41

70-Yb-166

MAT 7019

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

70-Yb-166



42

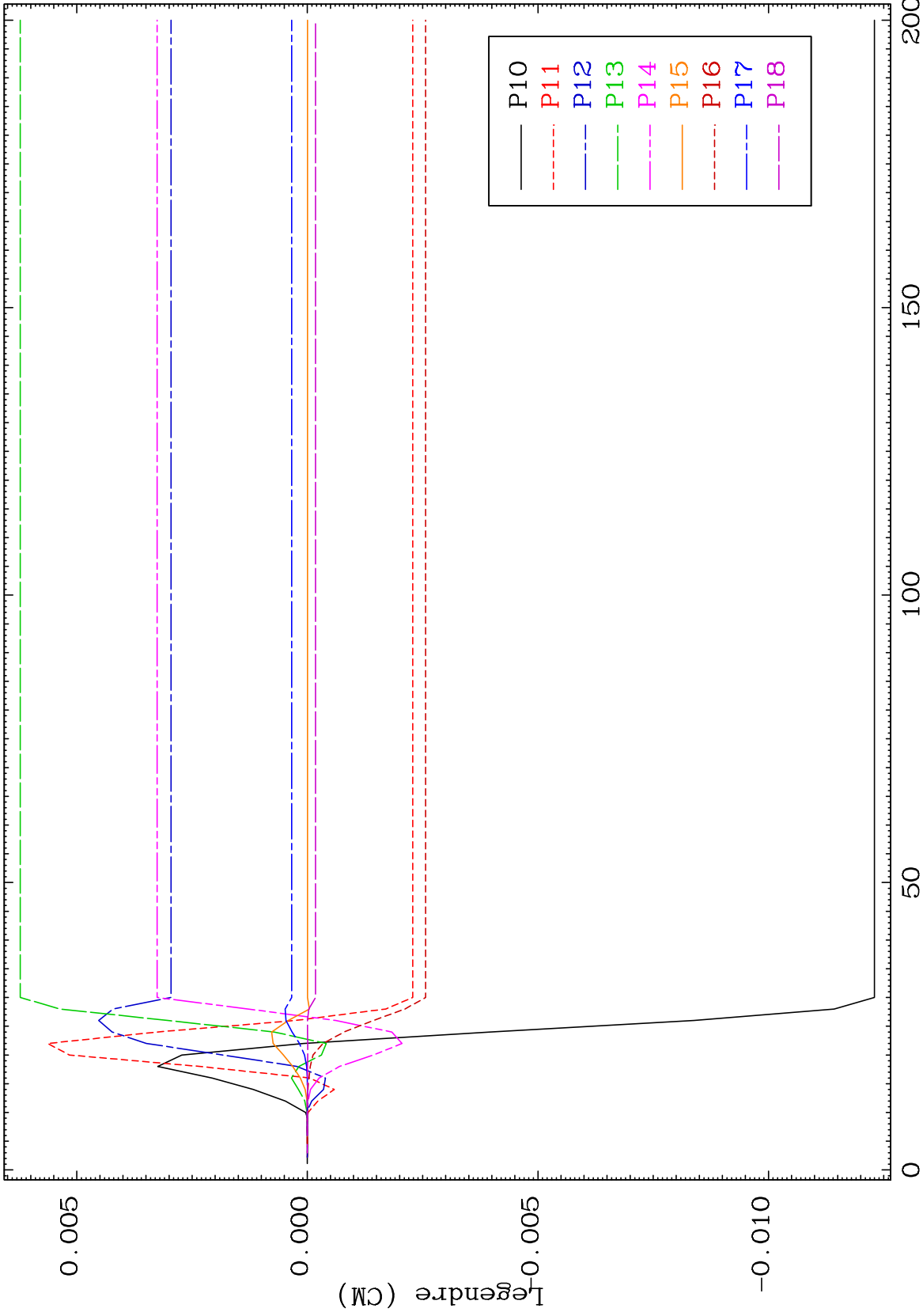
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



43

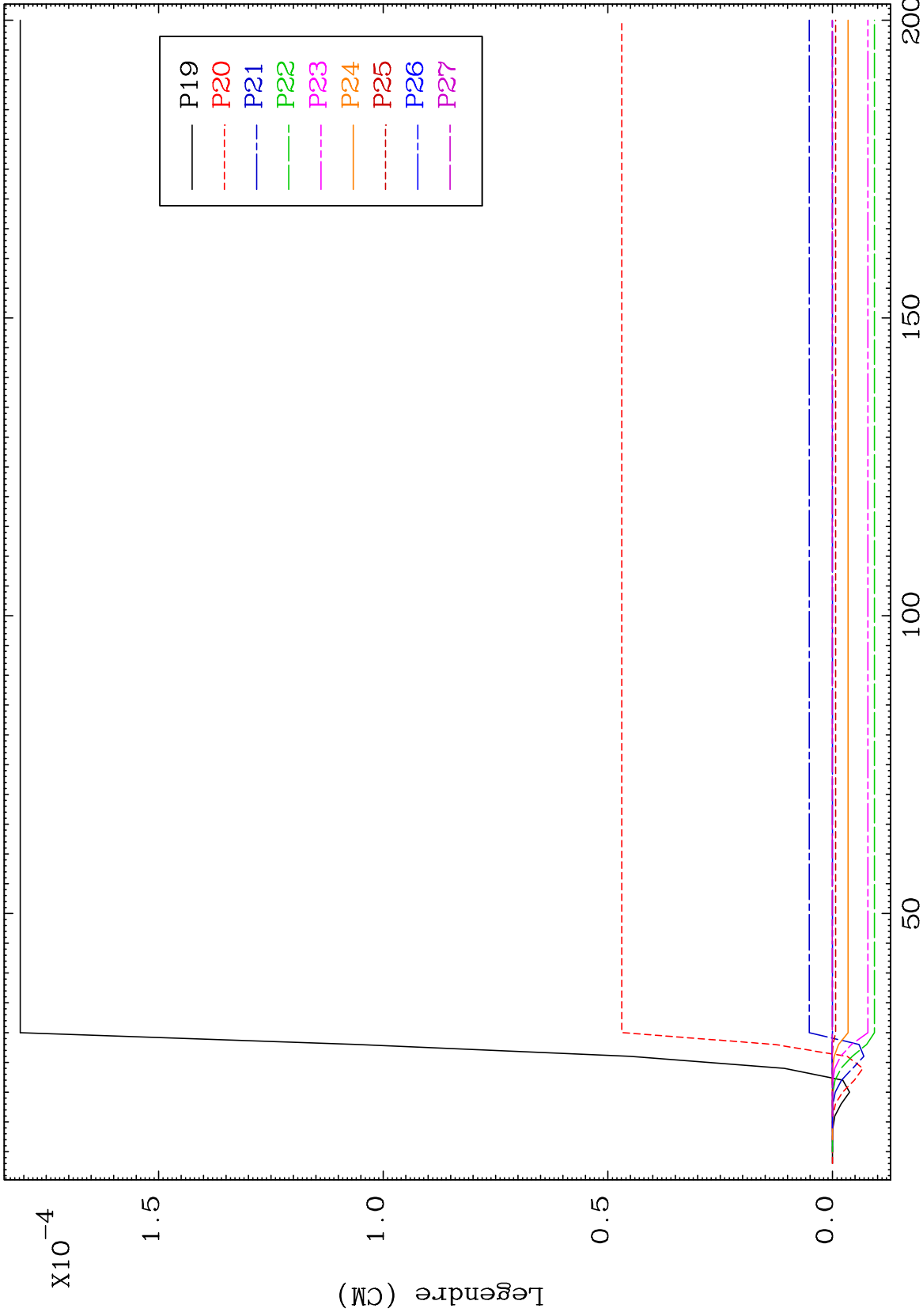
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



44

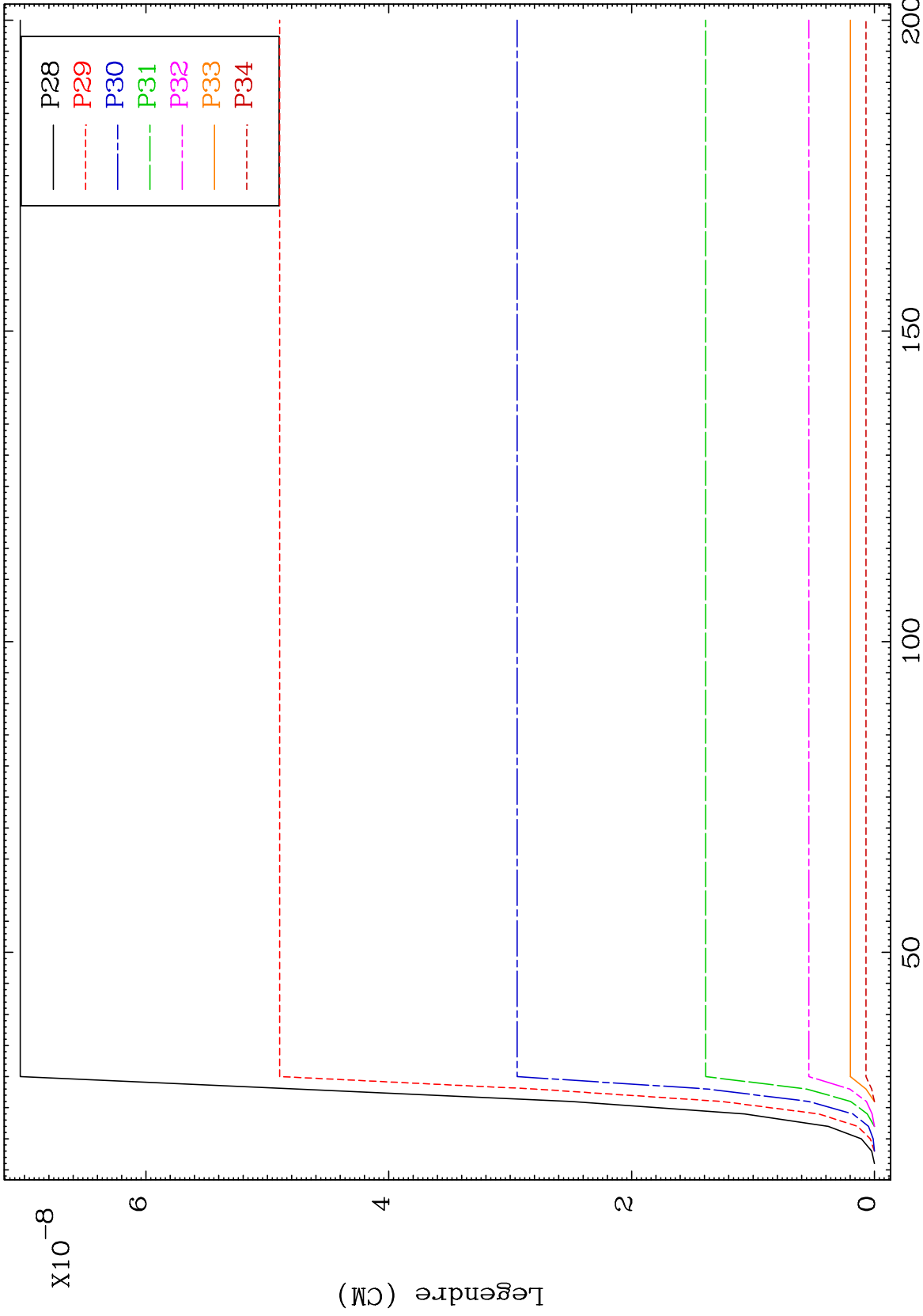
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



45

Incident Energy (MeV)

50

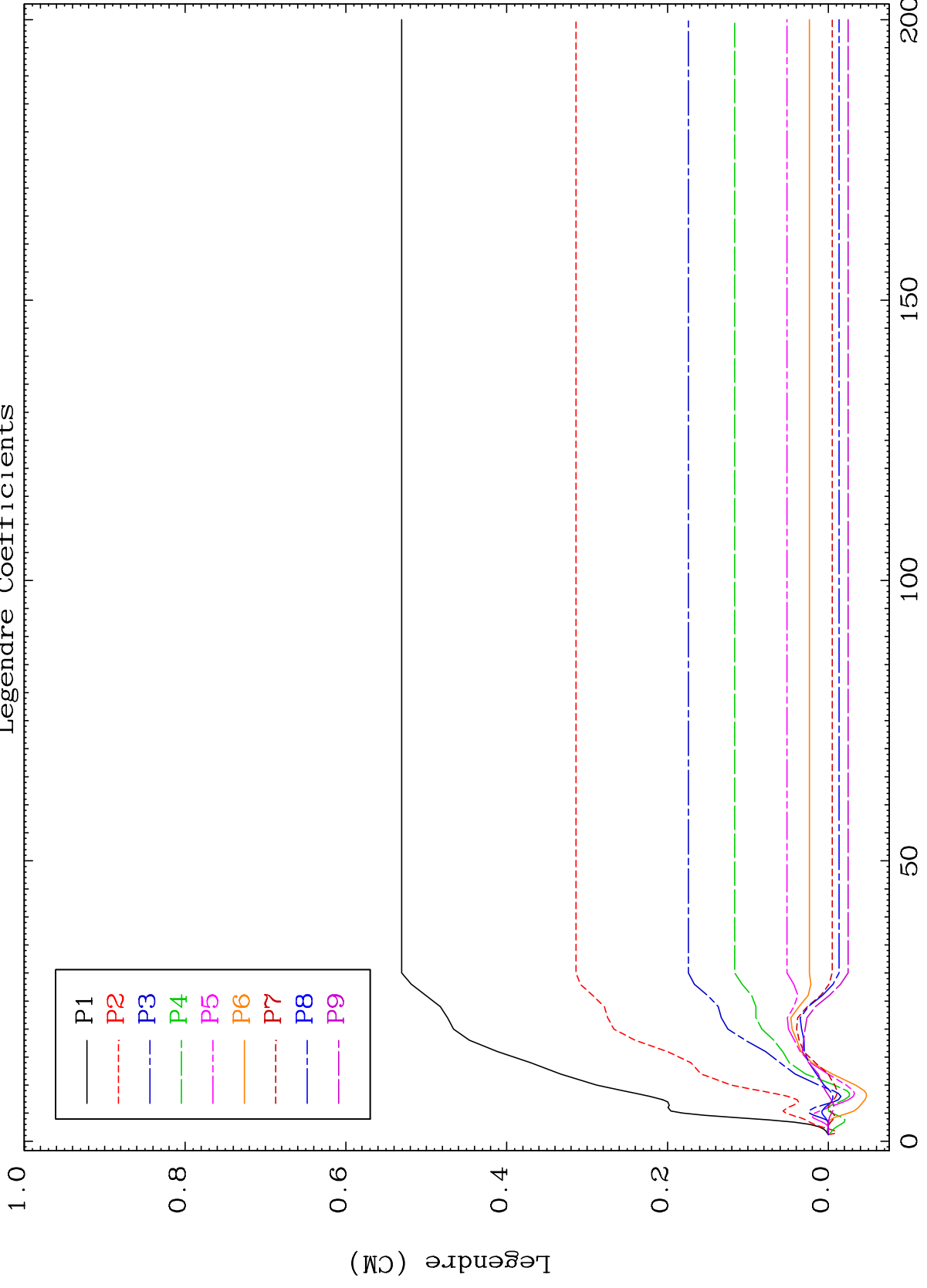
100

150

200

70-Yb-166

MAT 7019 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-166

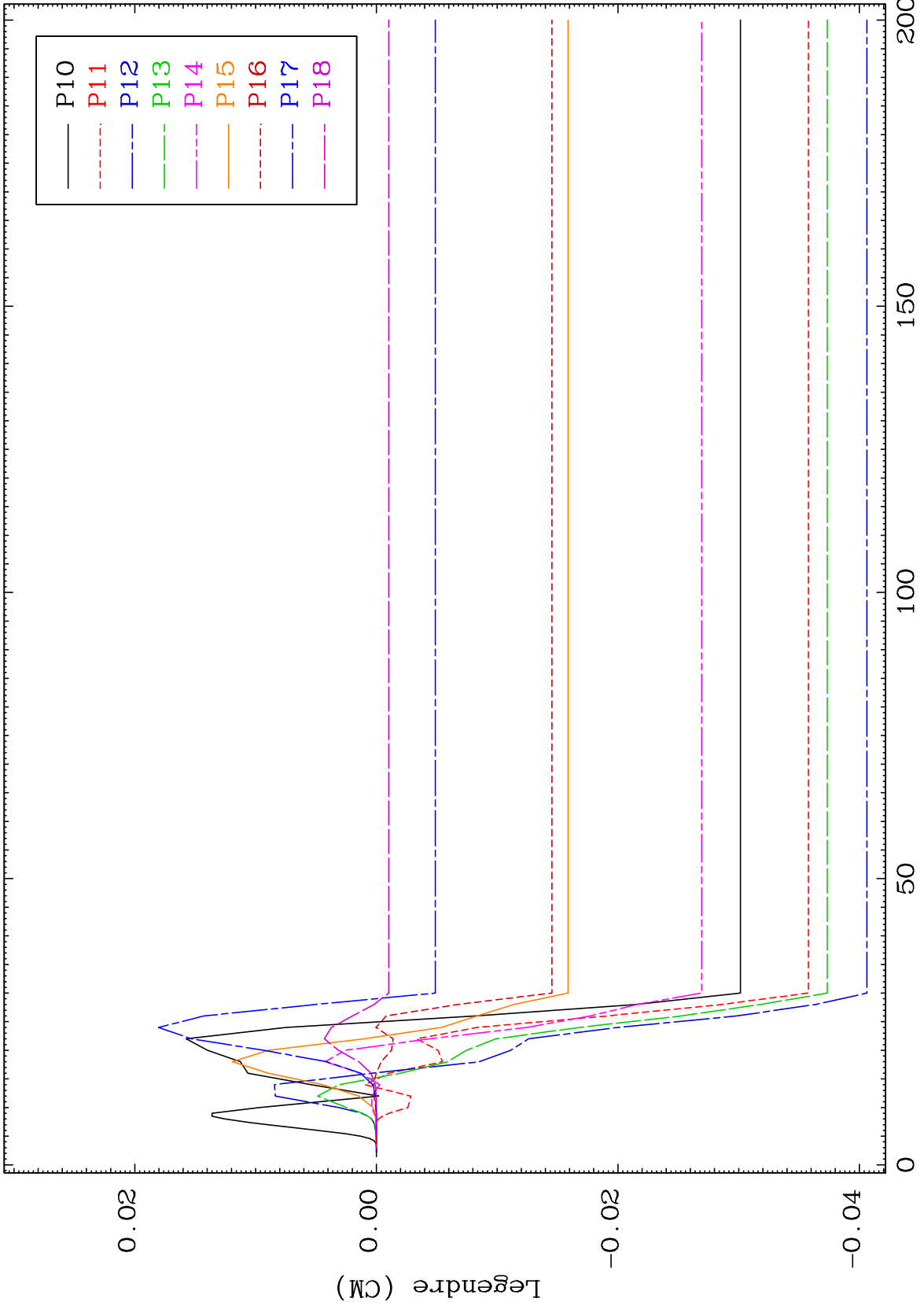


46 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



47

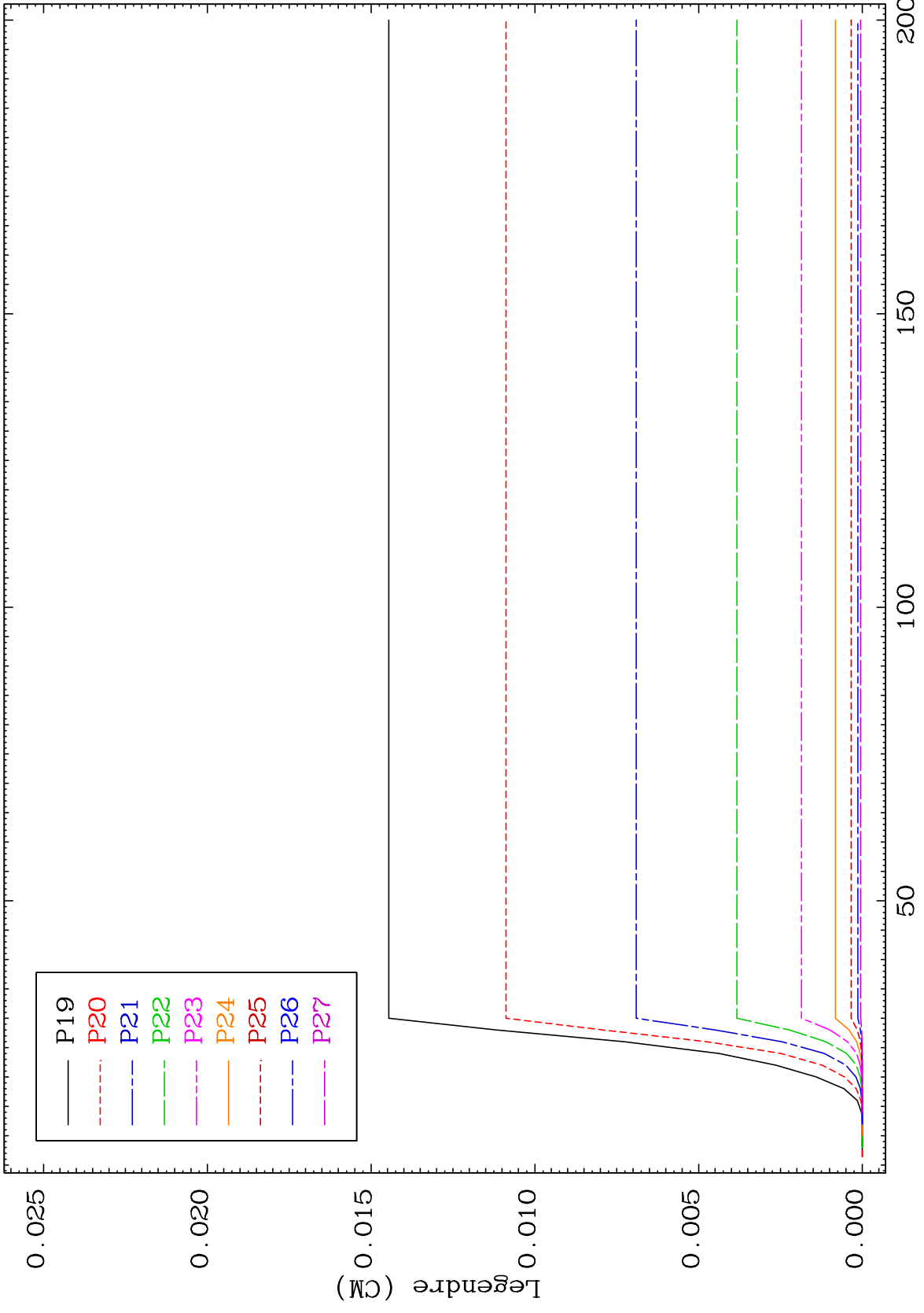
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



48

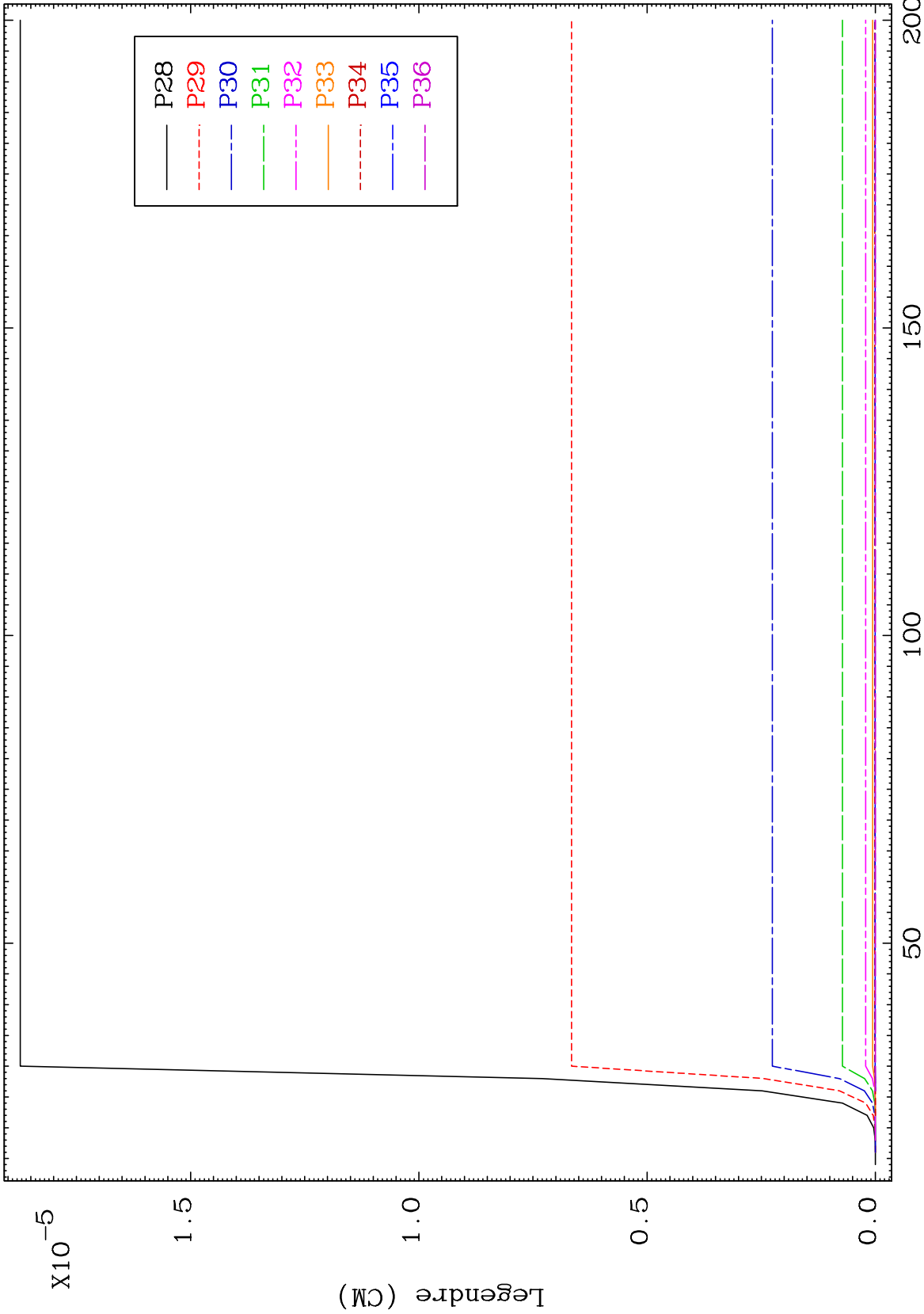
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



49

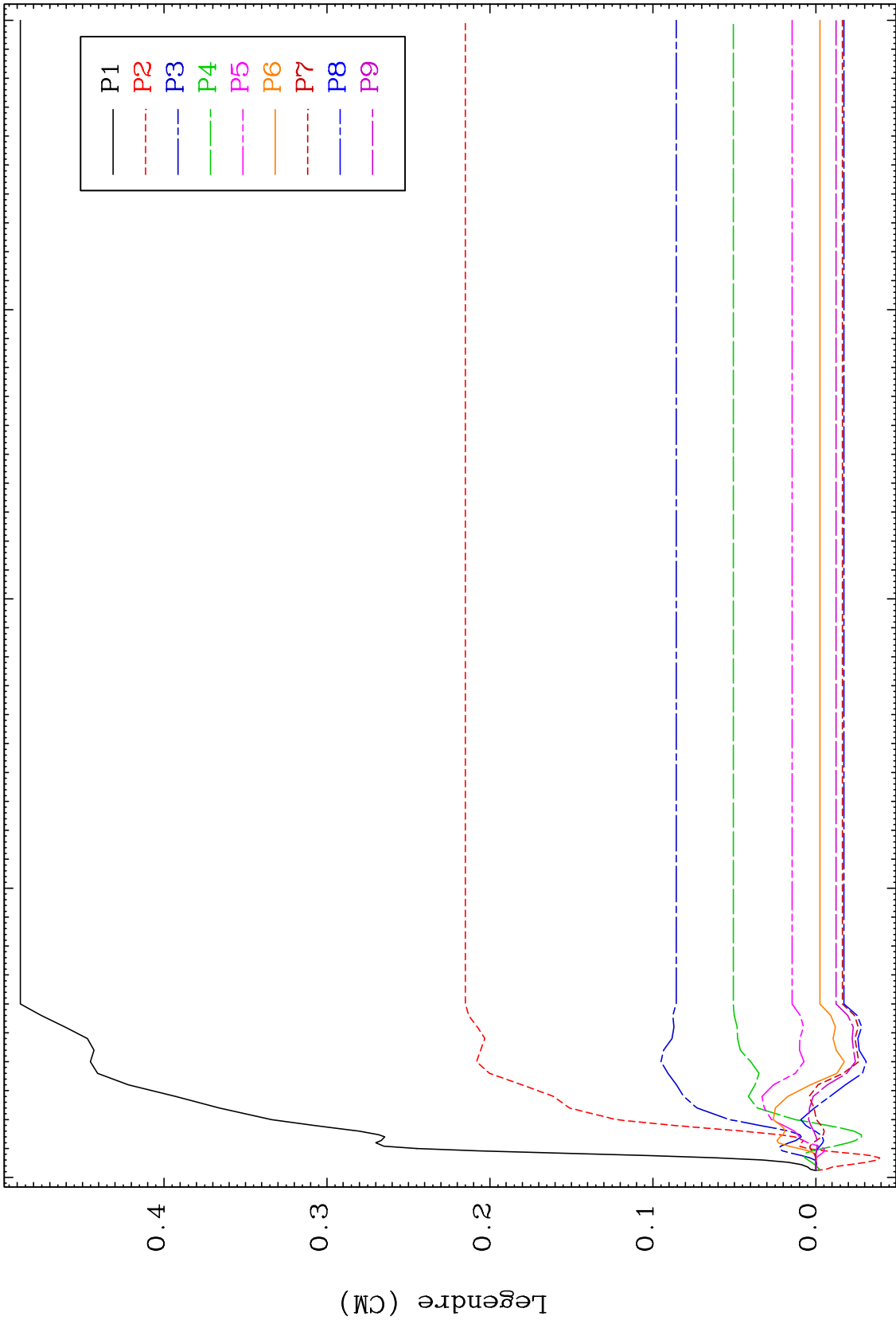
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



70-Yb-166

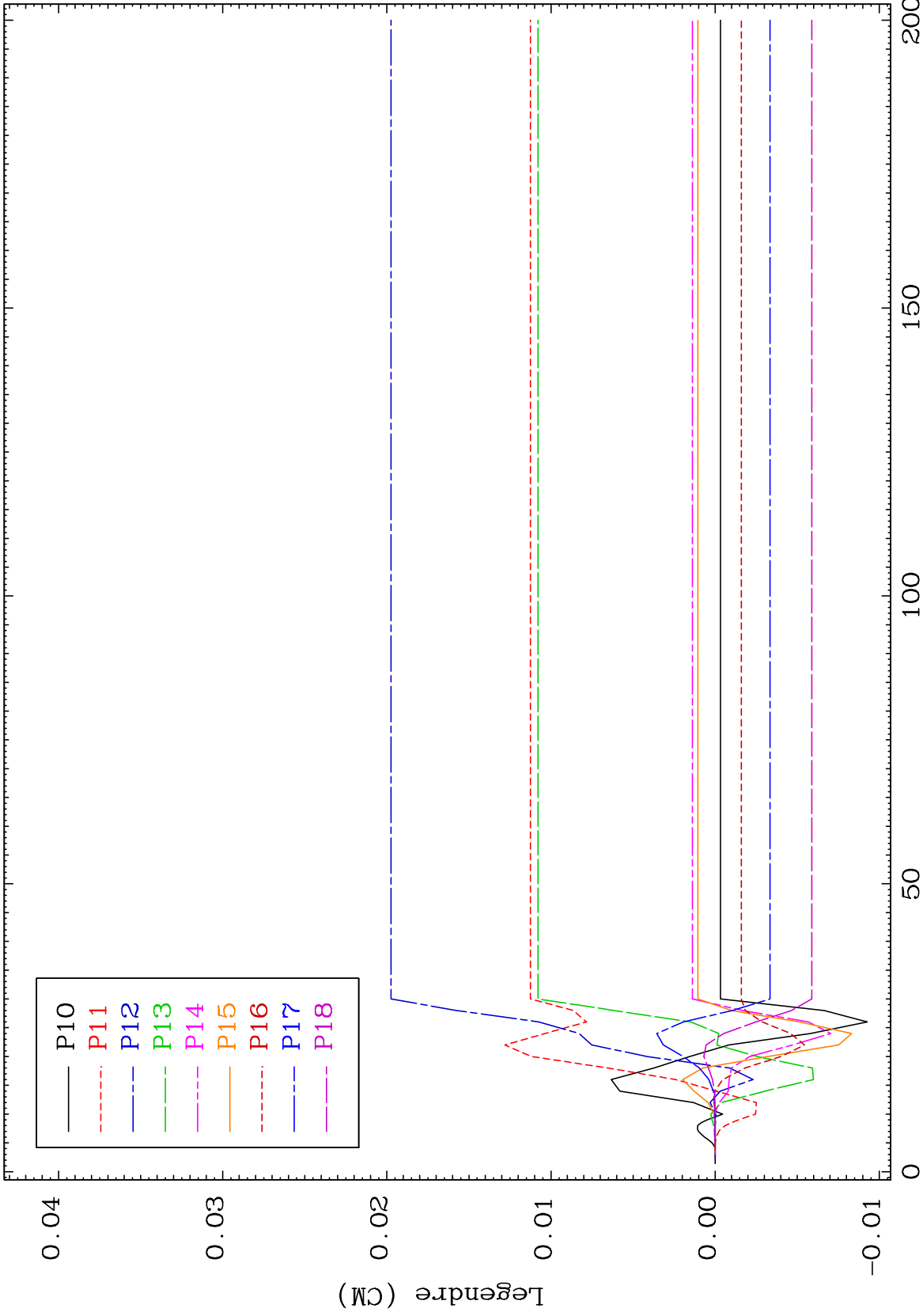
Incident Energy (MeV)

50

MAT 7019

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

70-Yb-166



51

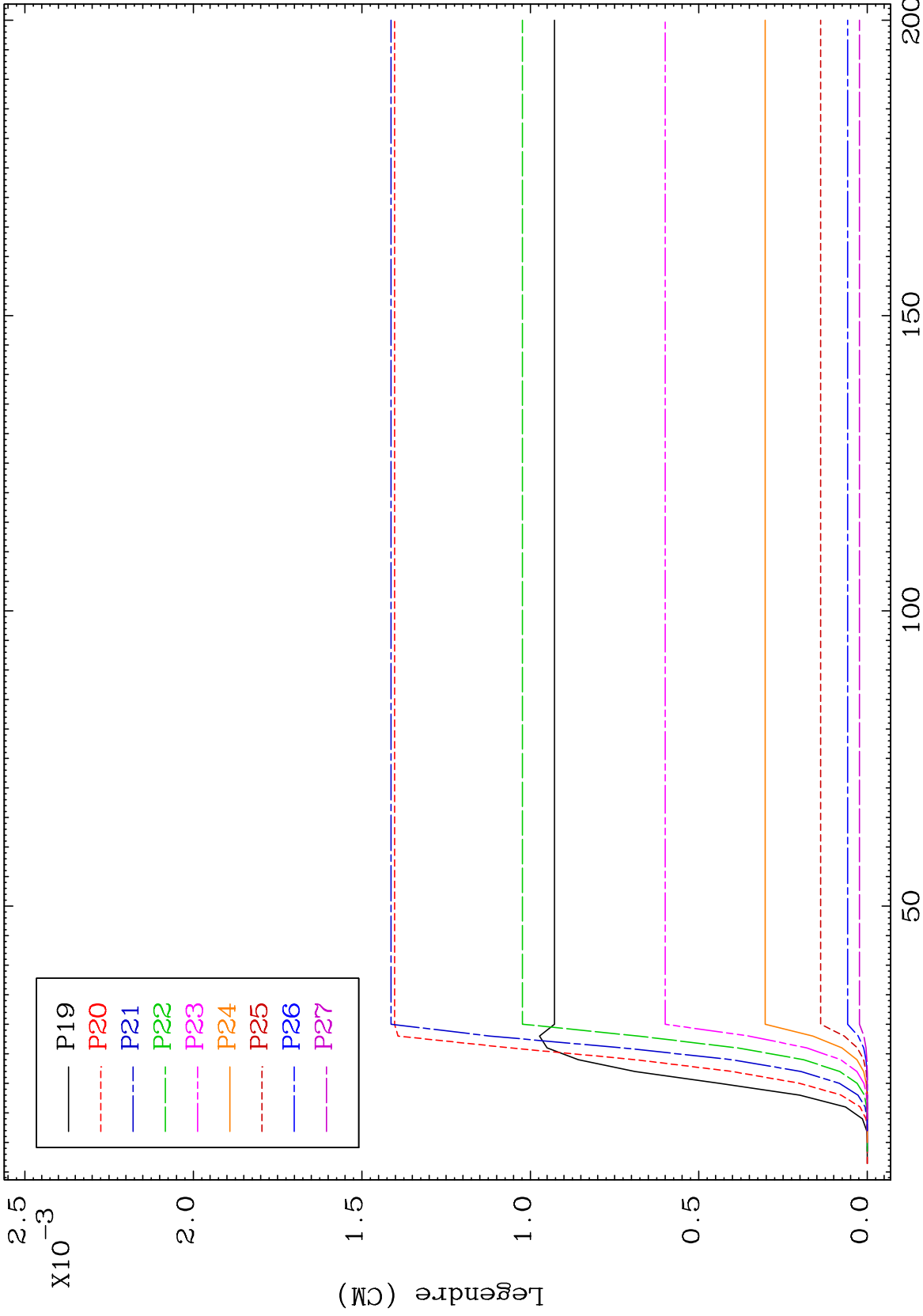
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



52

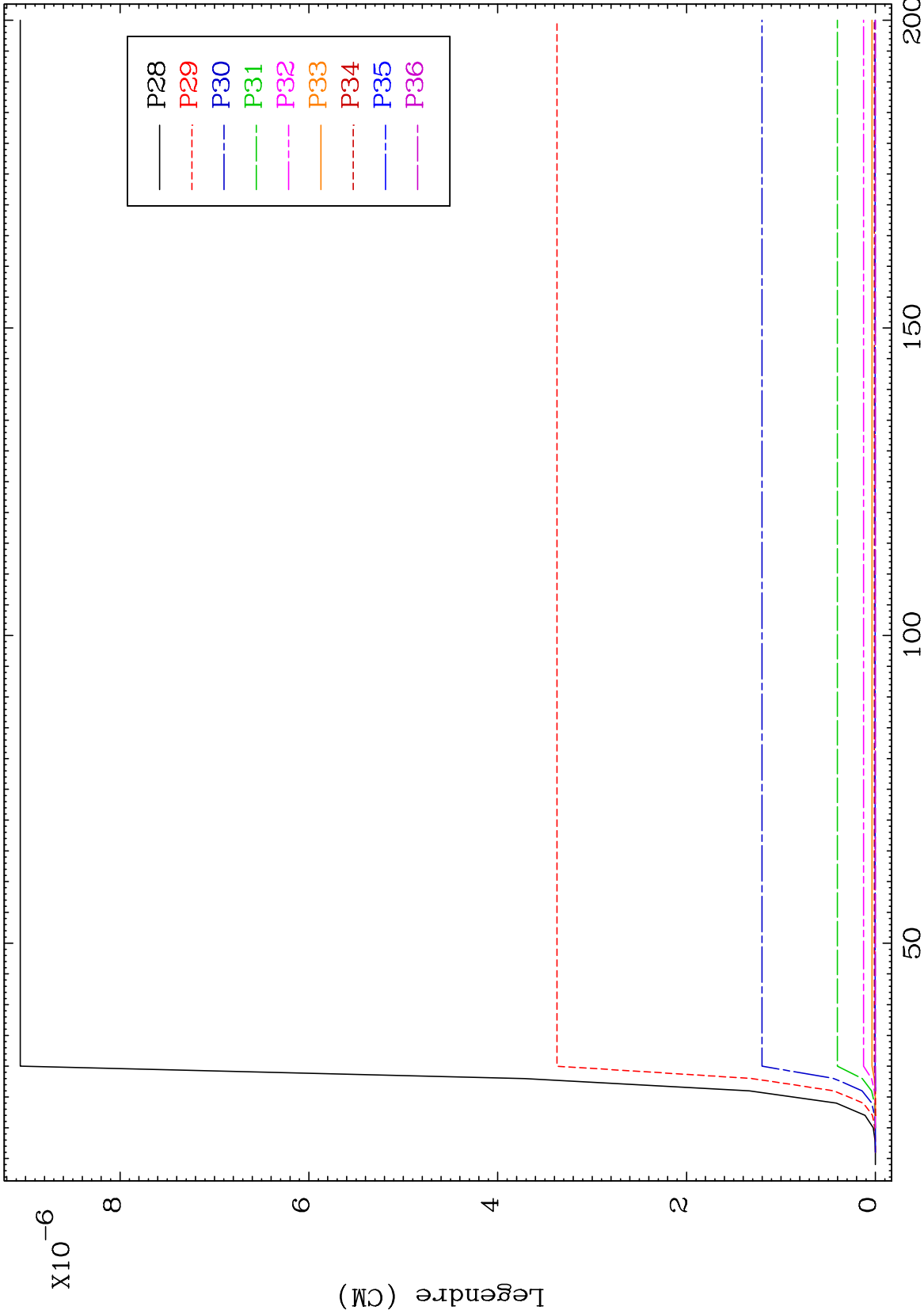
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



53

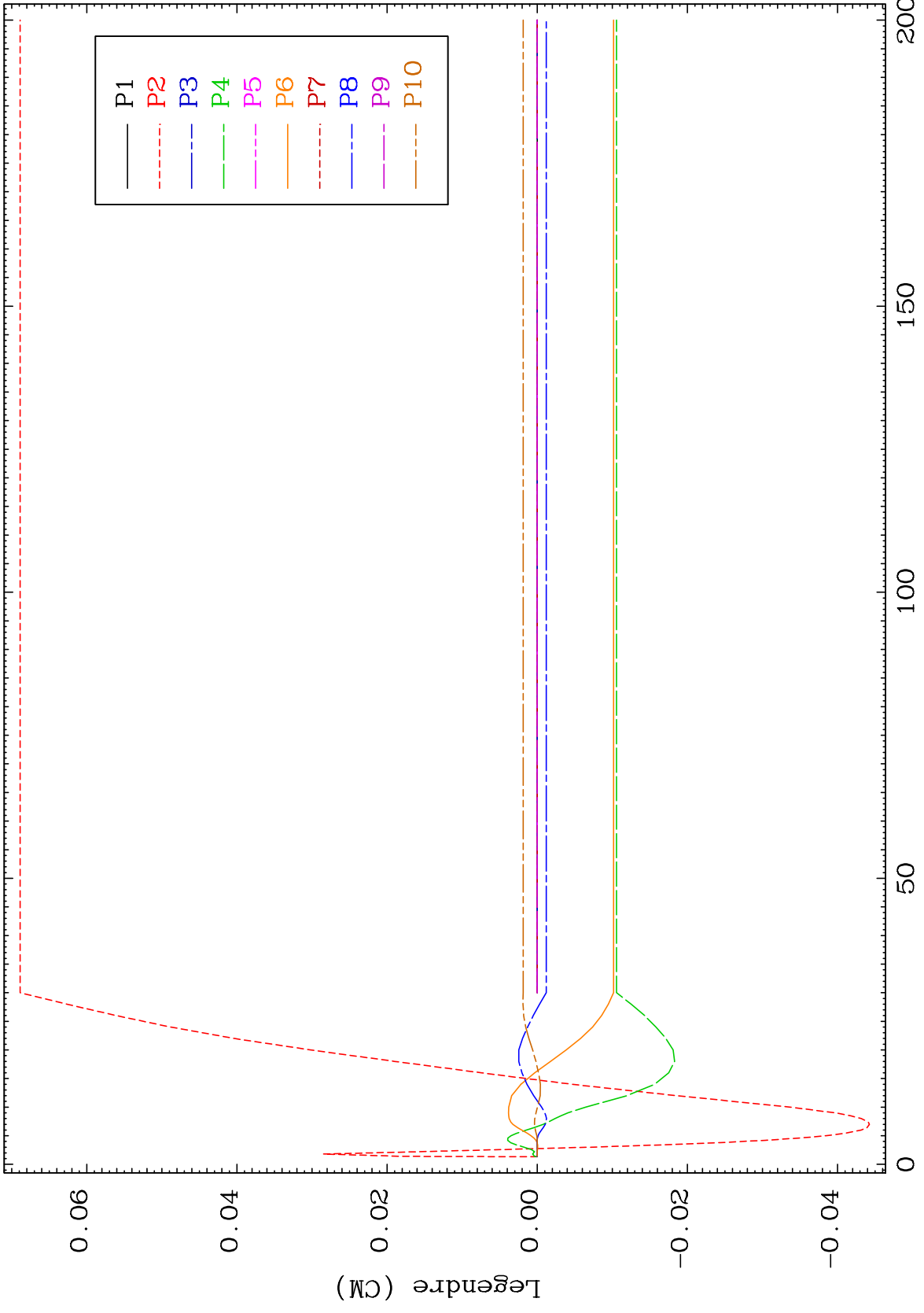
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

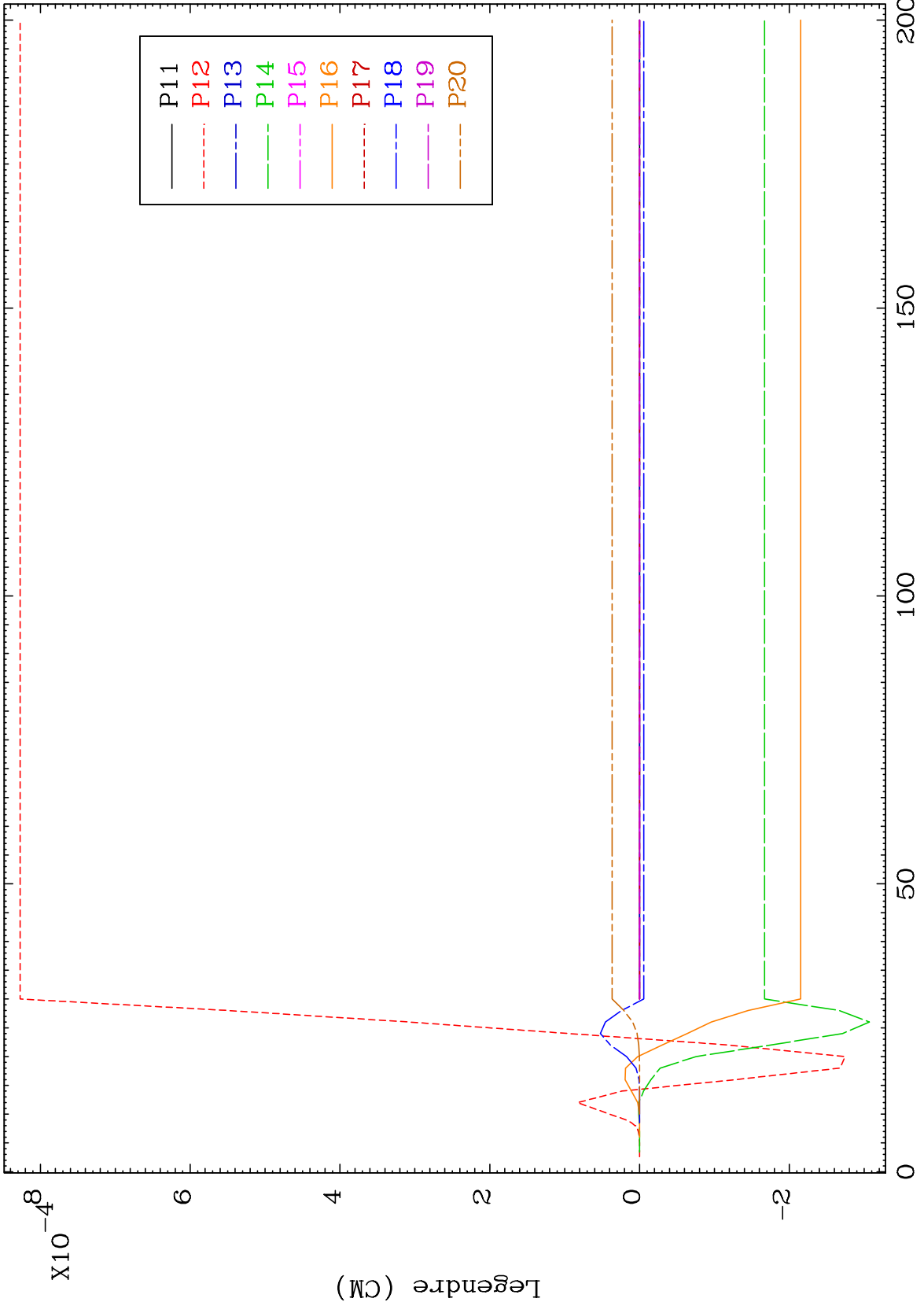


54

Incident Energy (MeV)

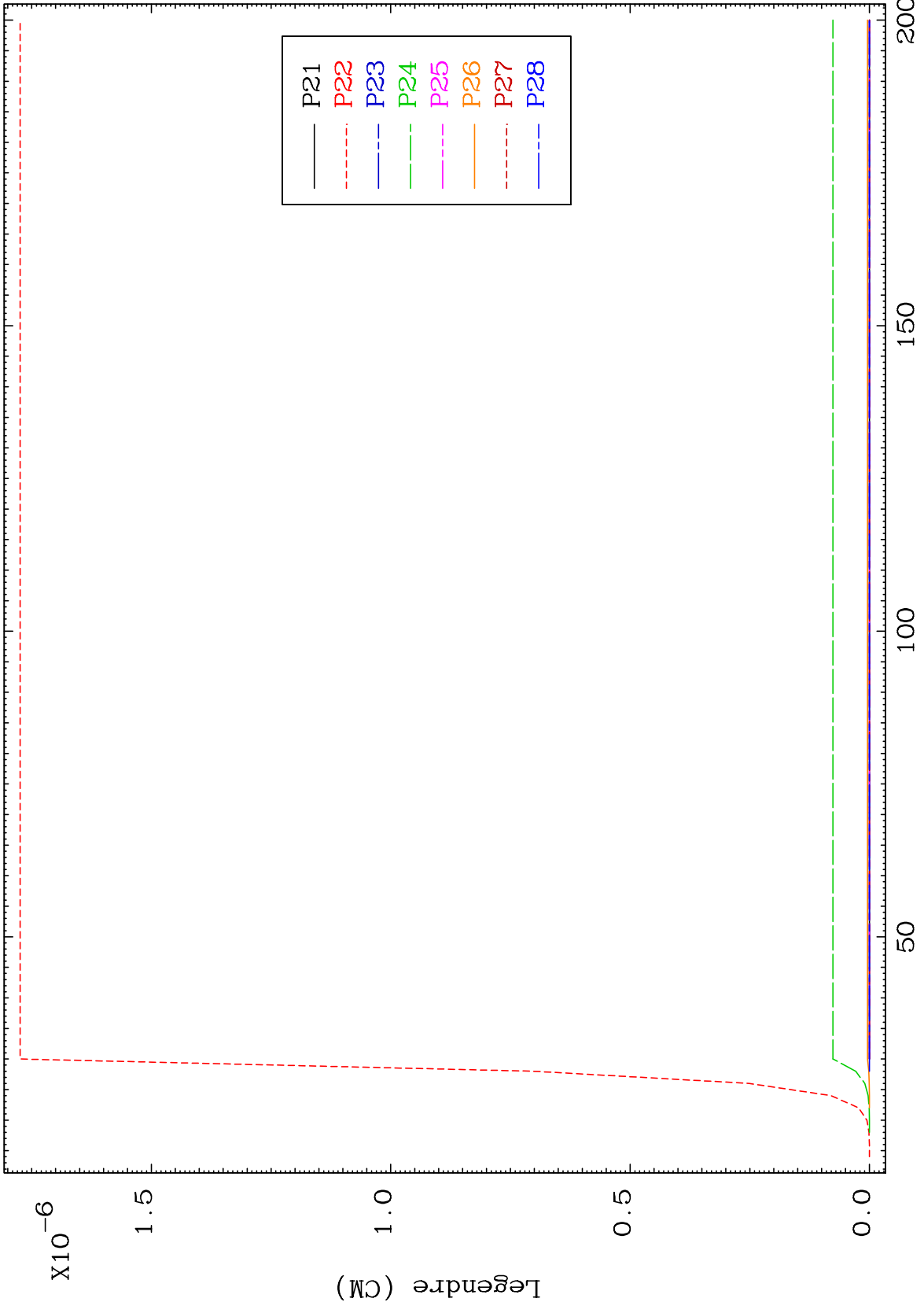
70-Yb-166

MAT 7019 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-166



55 100 150 200 70-Yb-166

MAT 7019 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-166

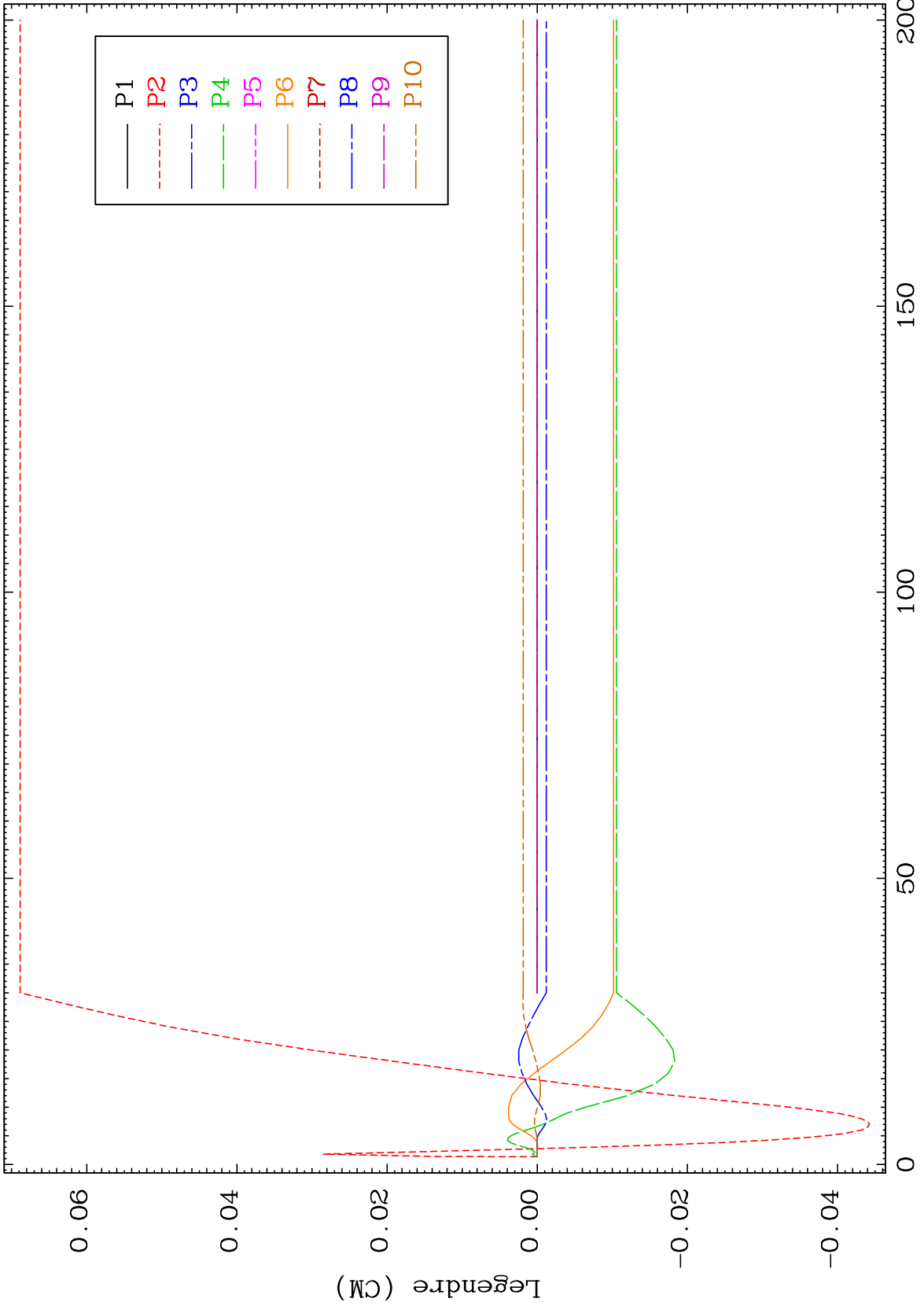


56 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166

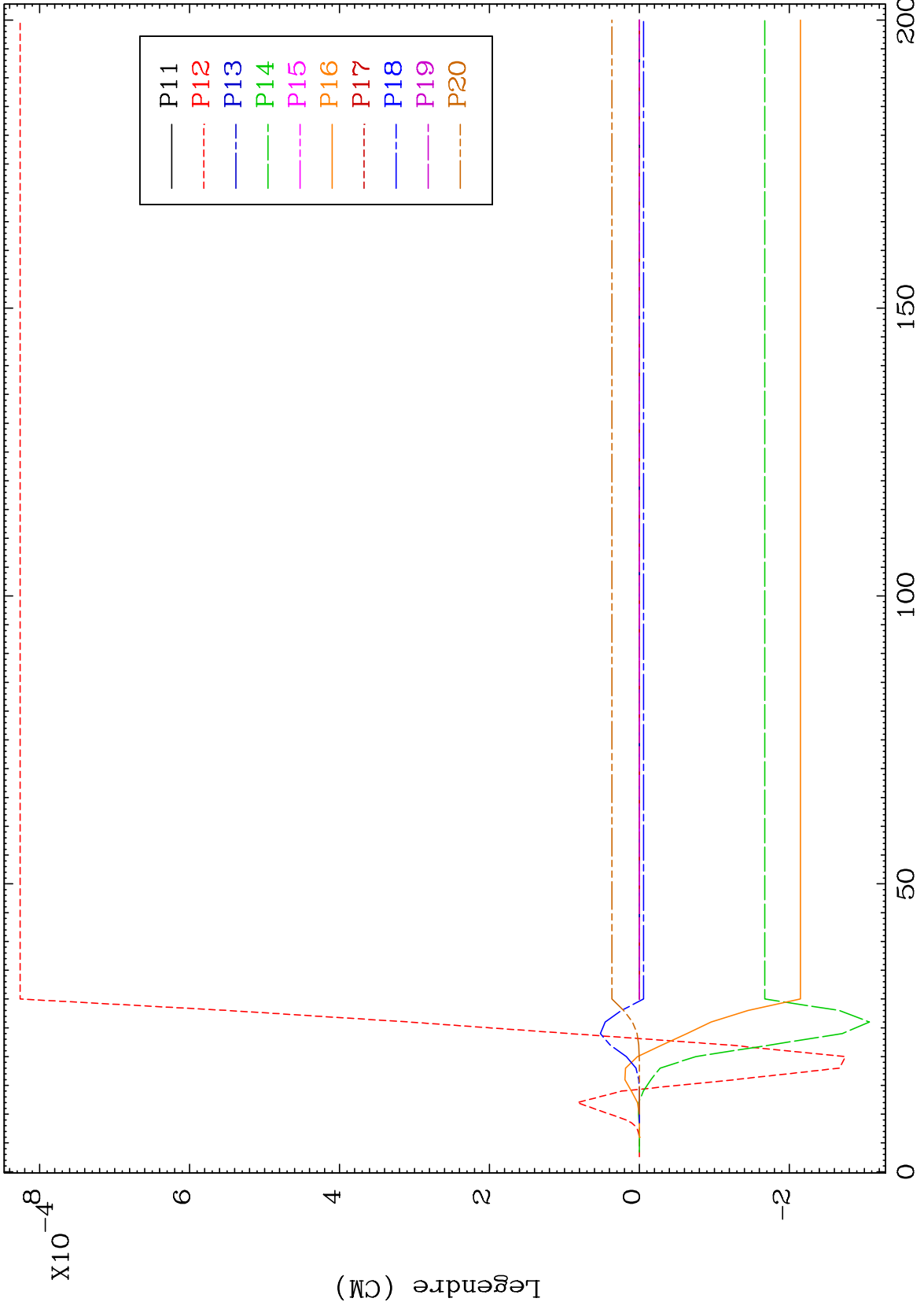


57

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-166



58

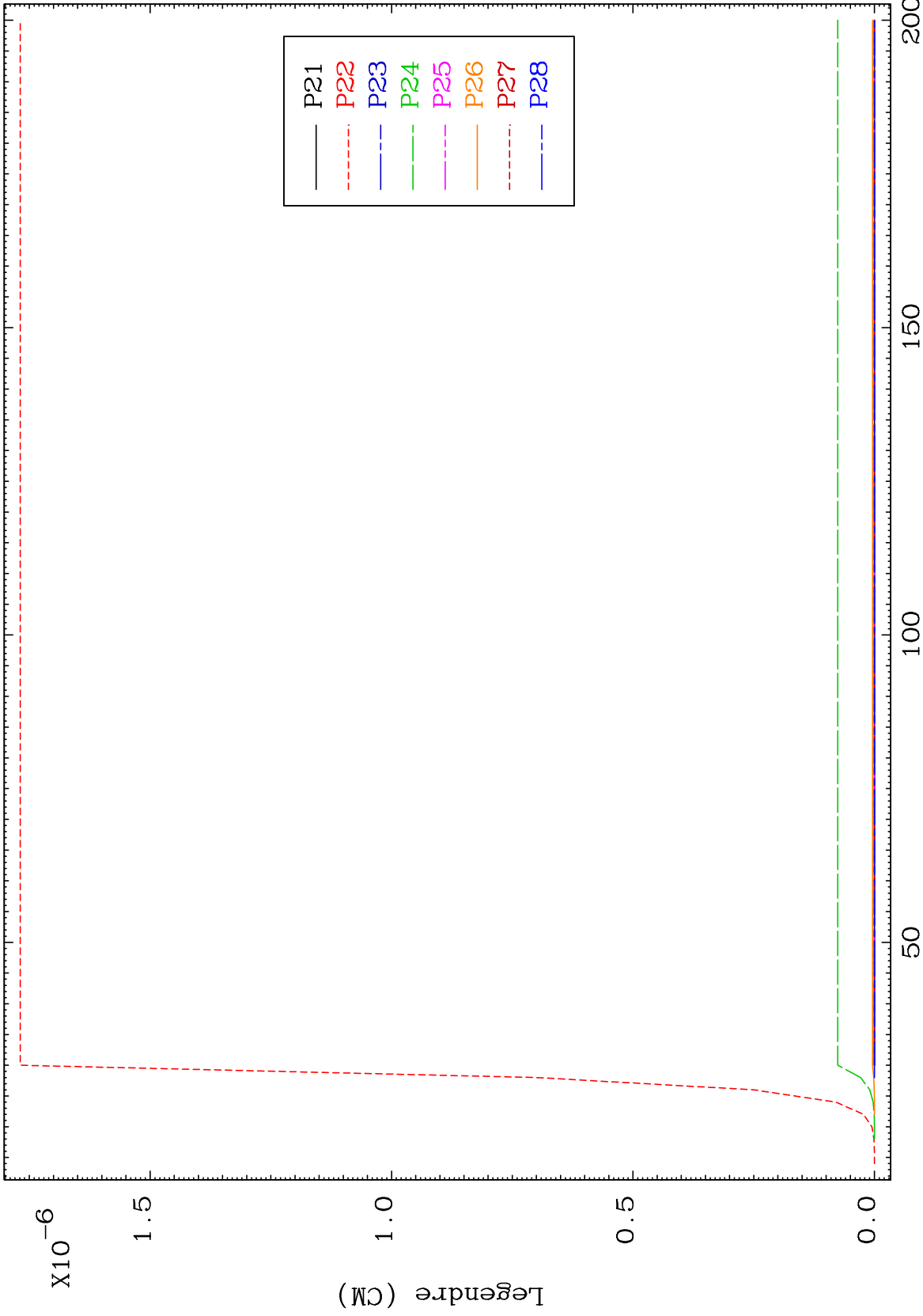
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



59

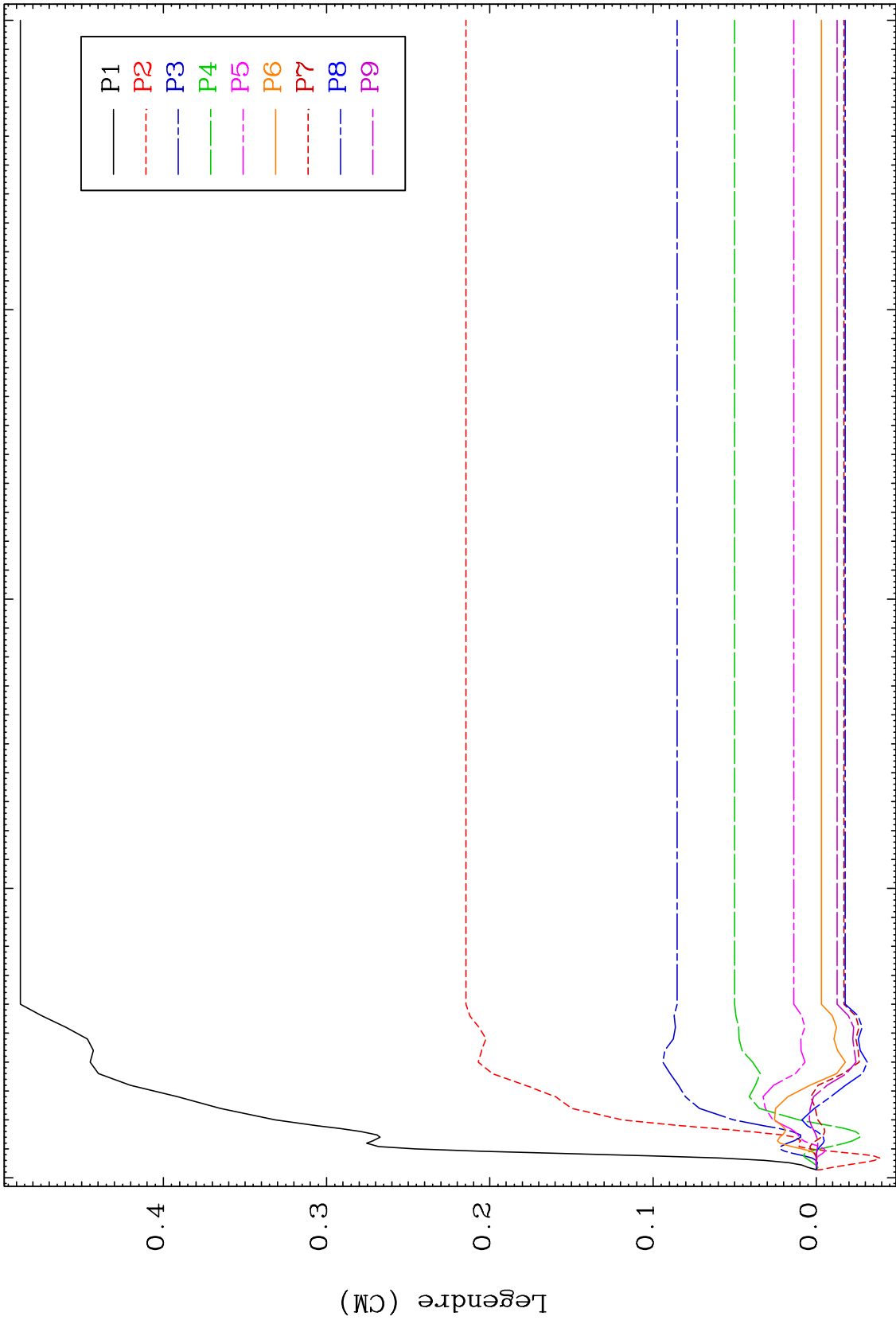
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



60

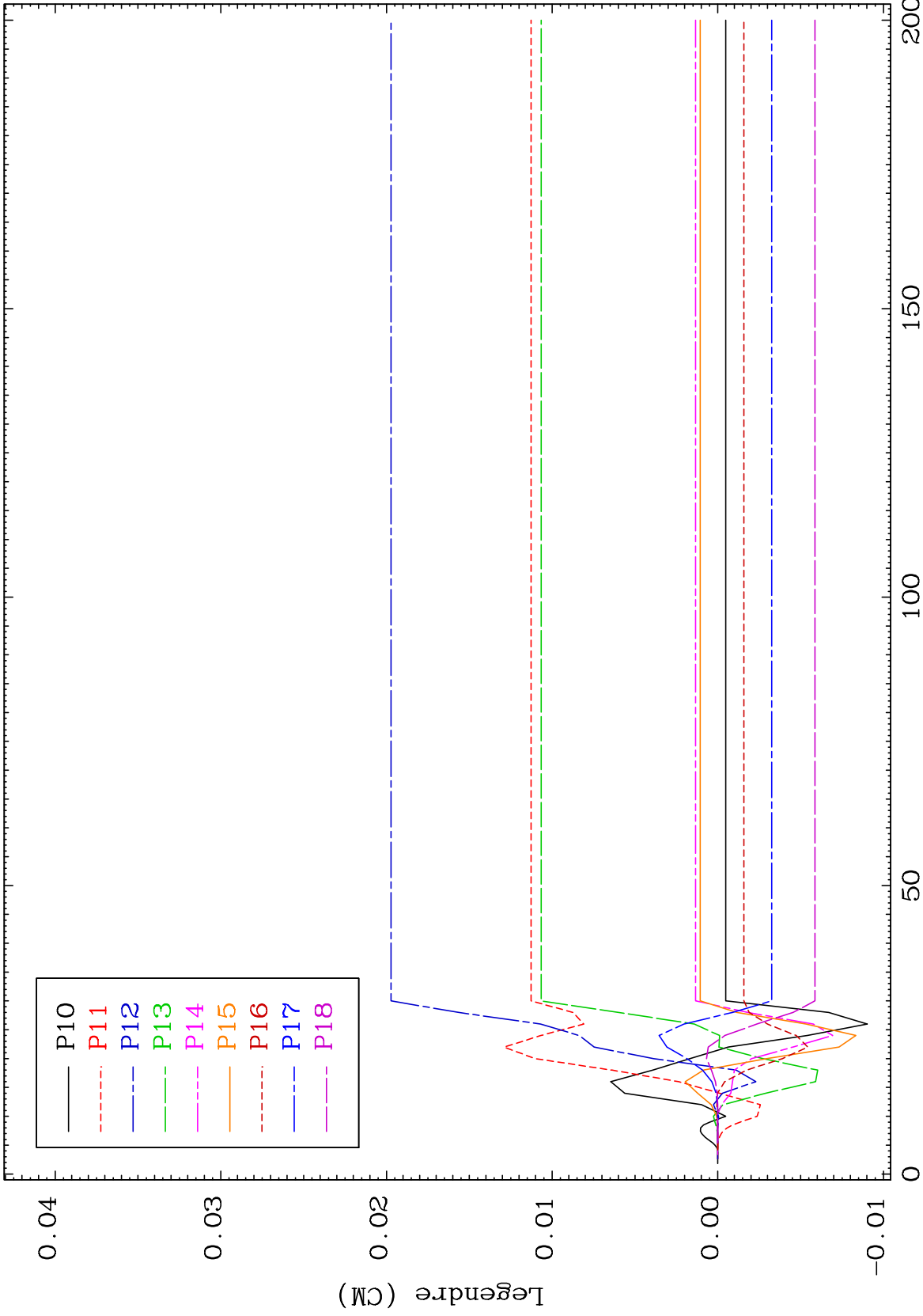
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



61

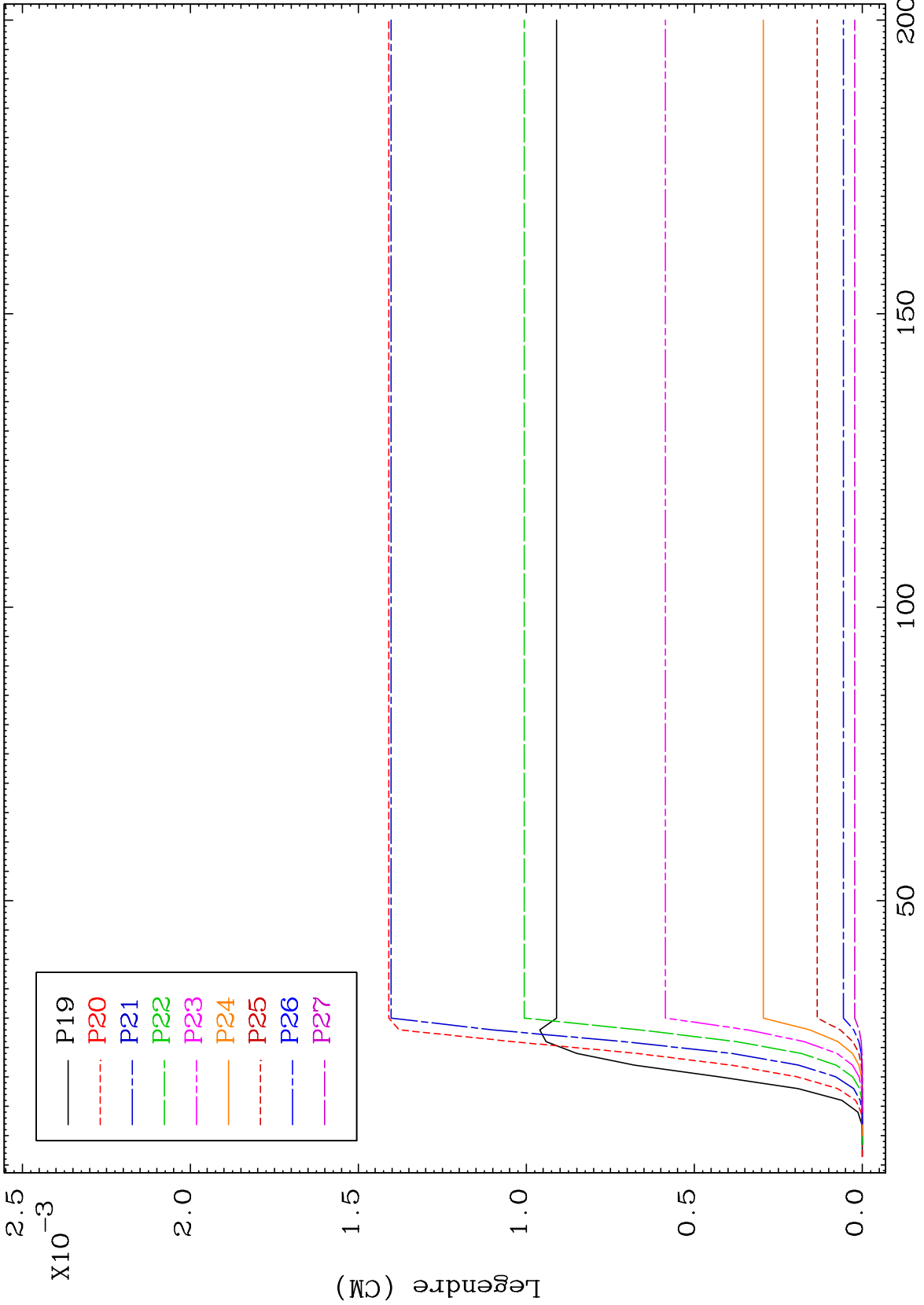
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



62

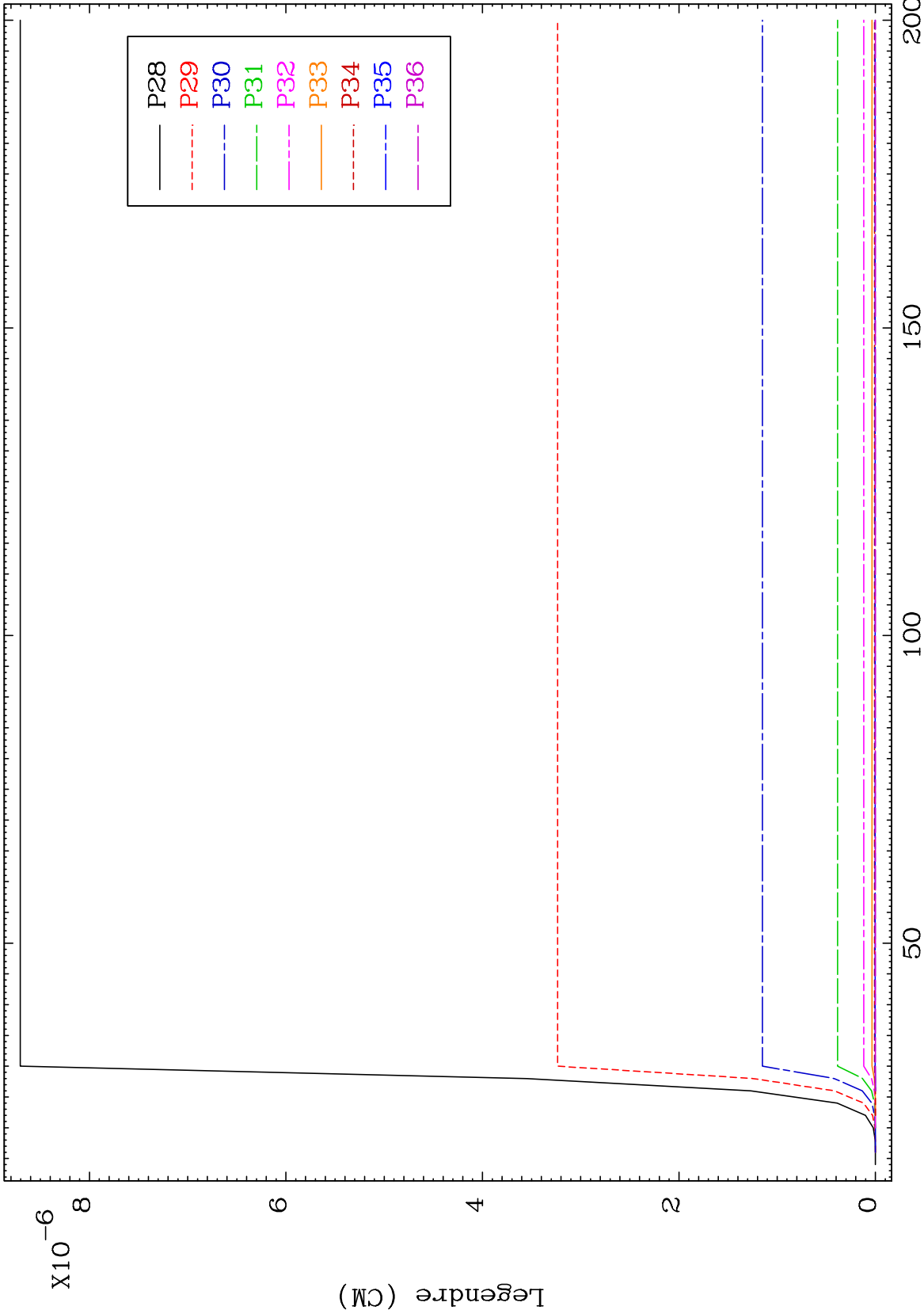
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



63

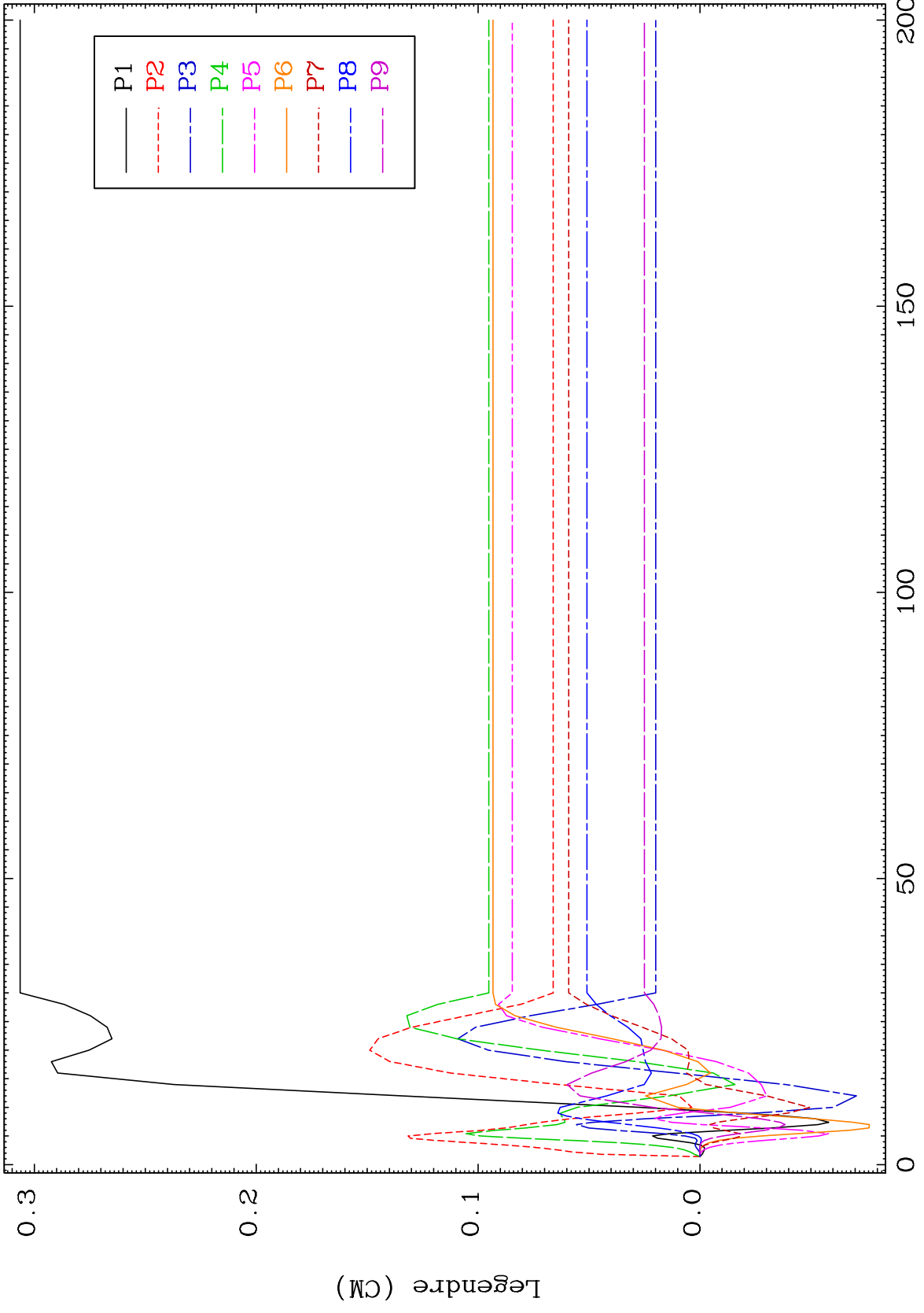
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



64

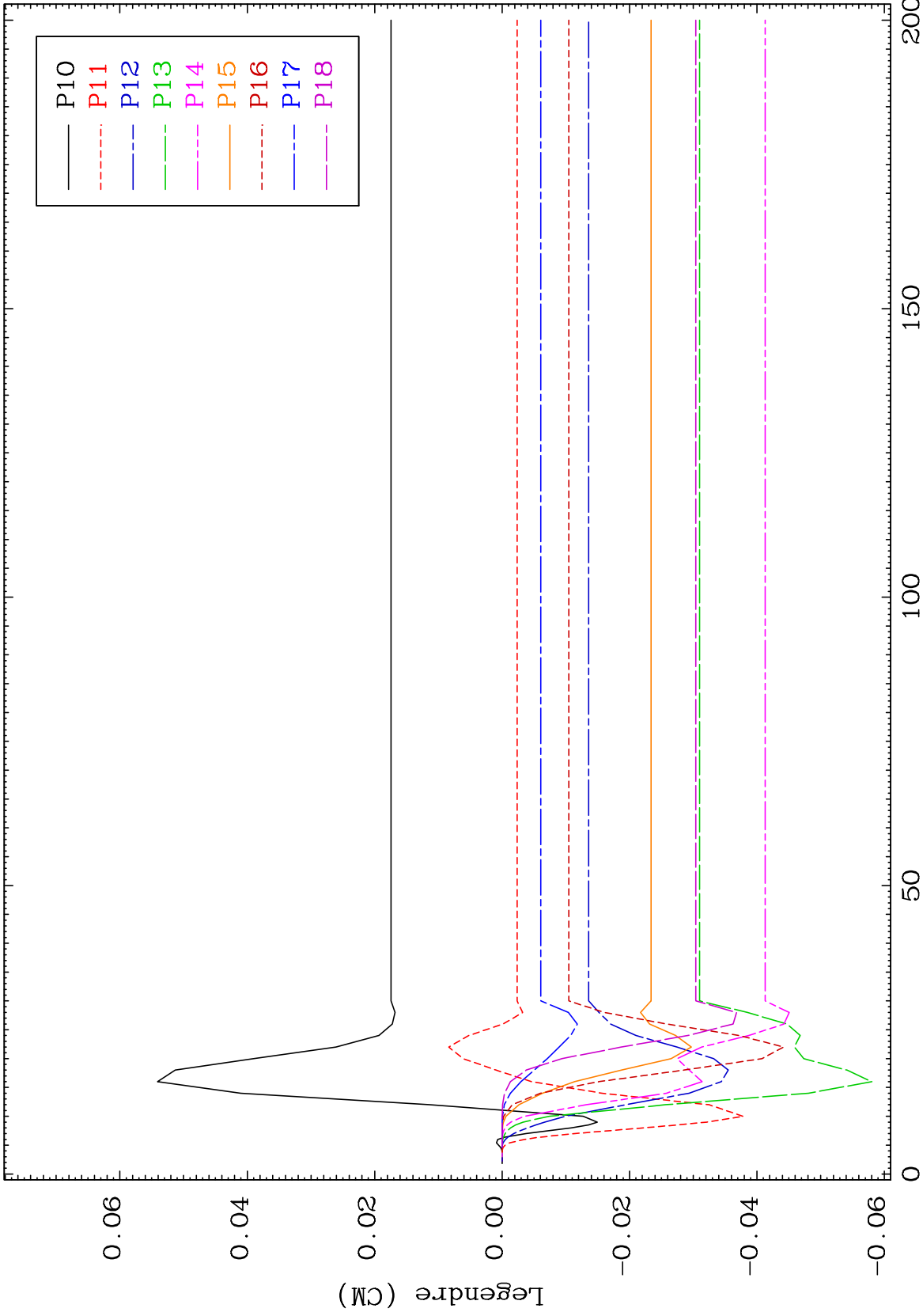
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



65

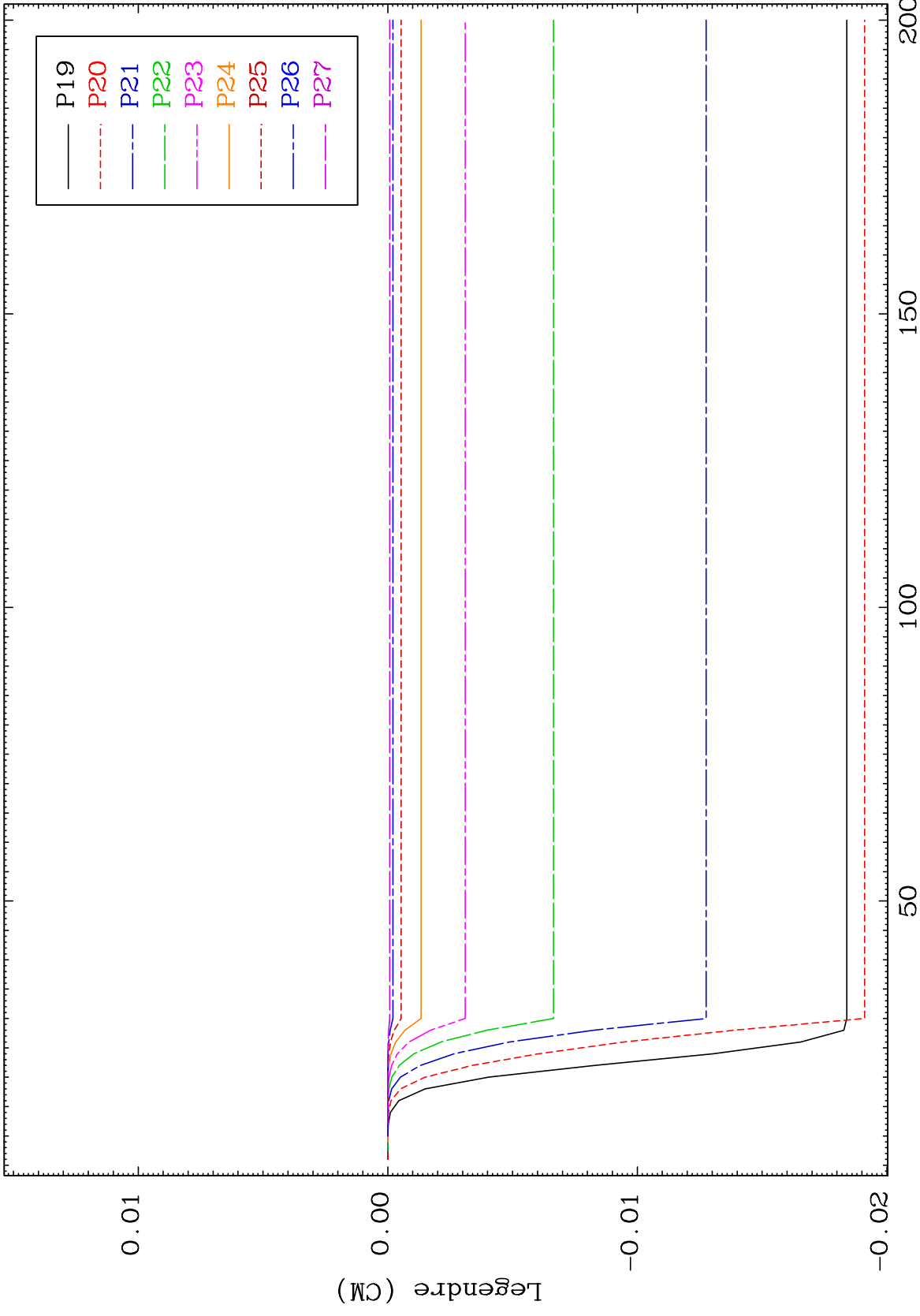
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

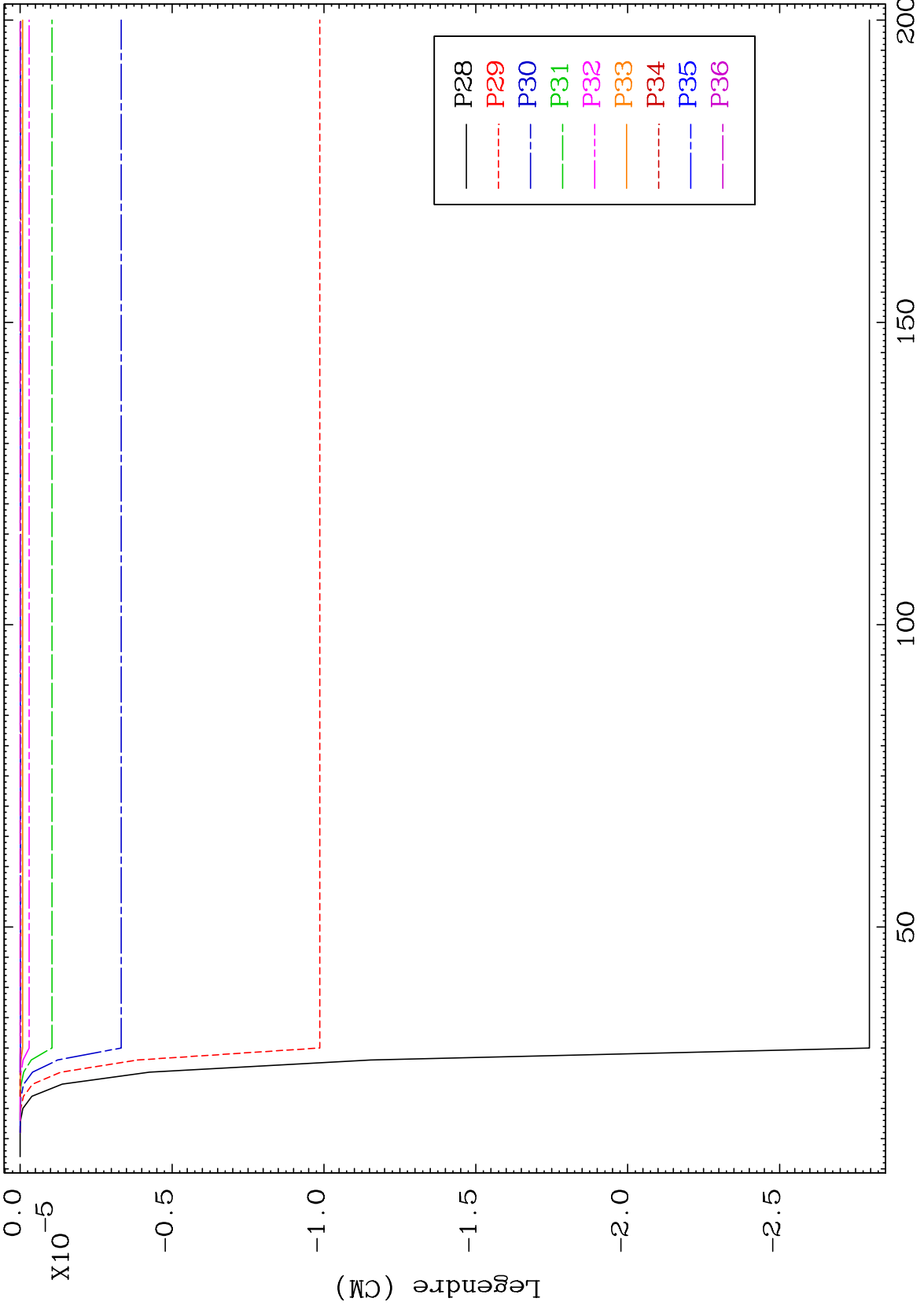


66

Incident Energy (MeV)

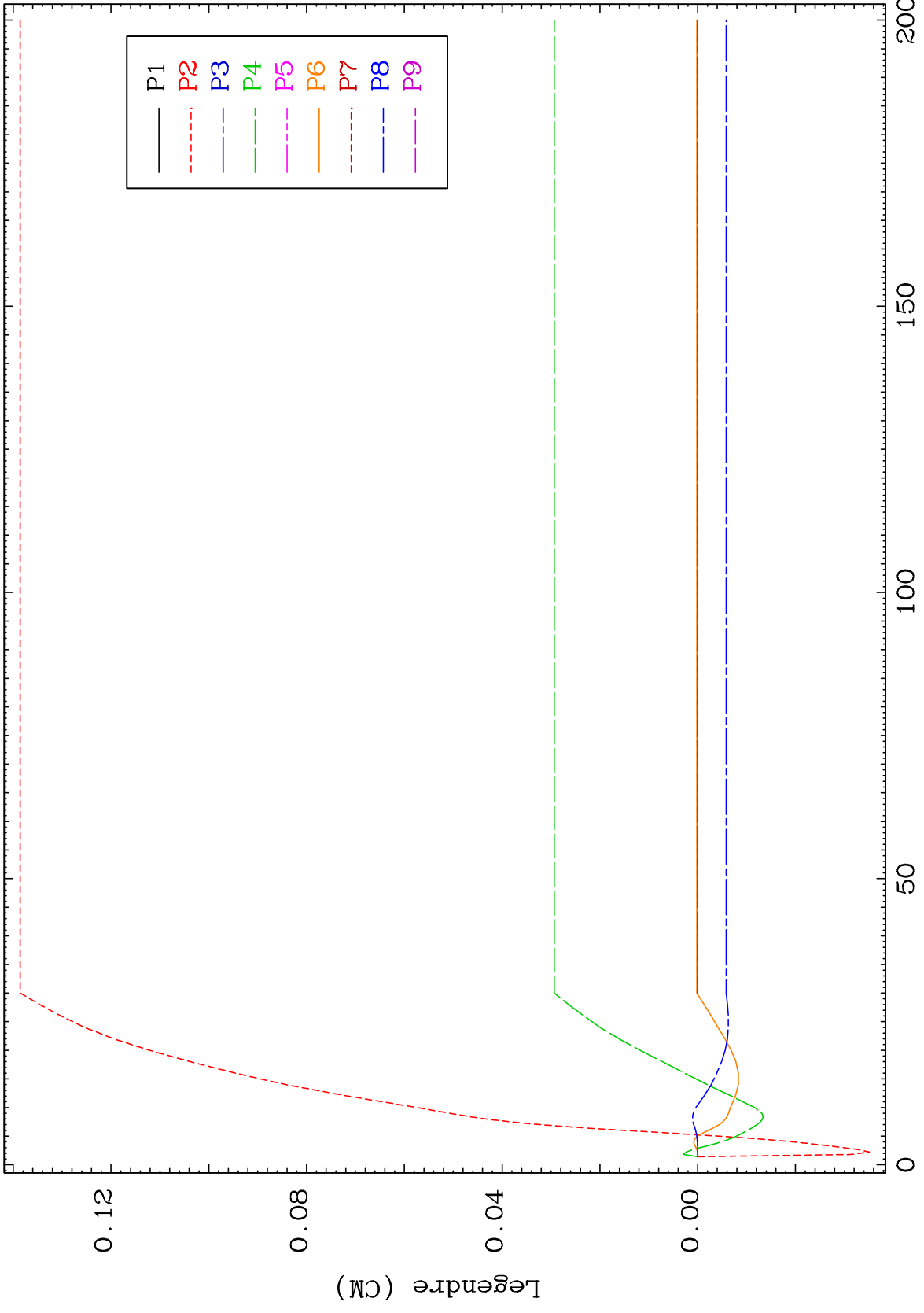
70-Yb-166

MAT 7019 MT= 63 (n, n') Level Legendre Coefficients 70-Yb-166



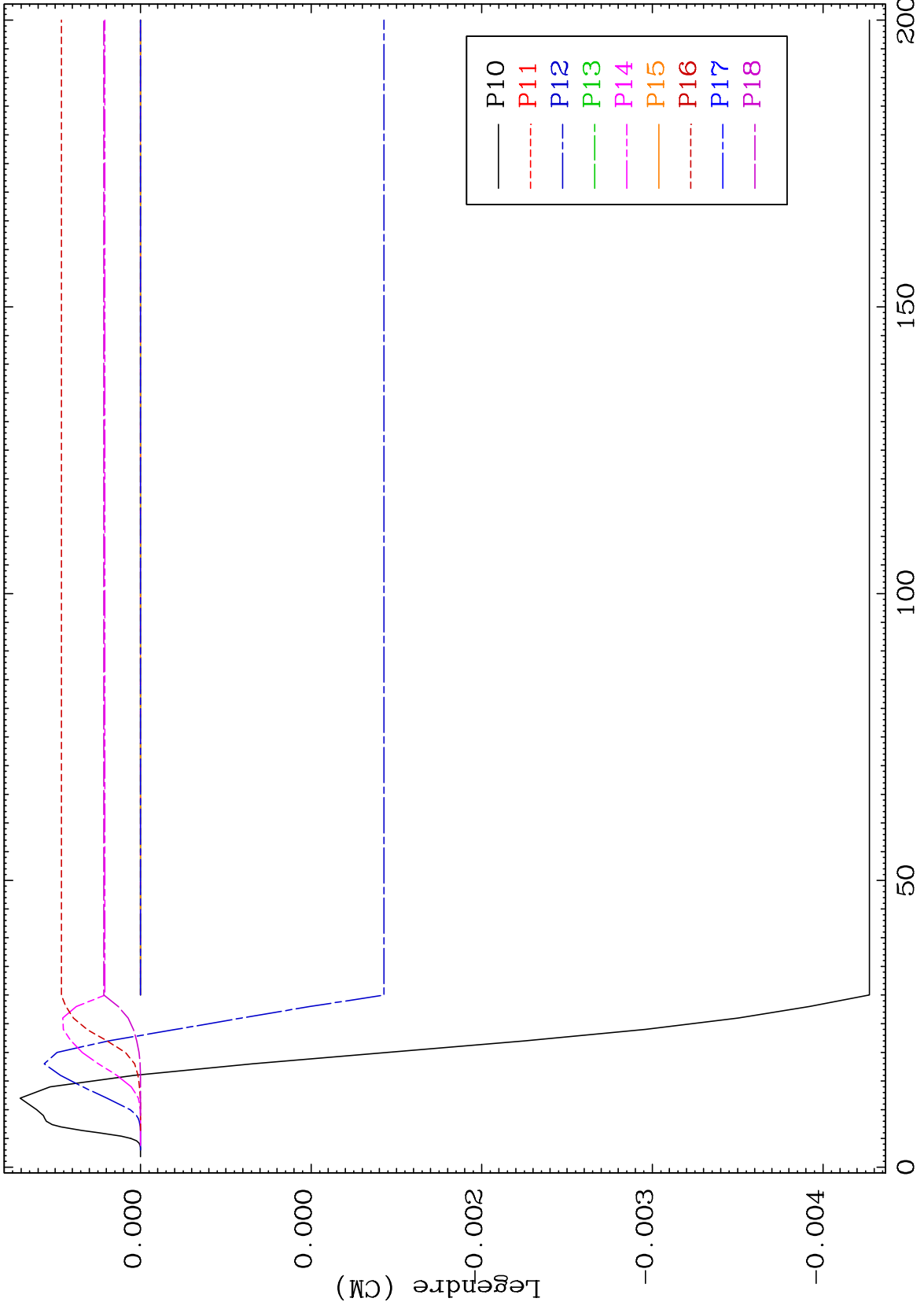
67 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-166



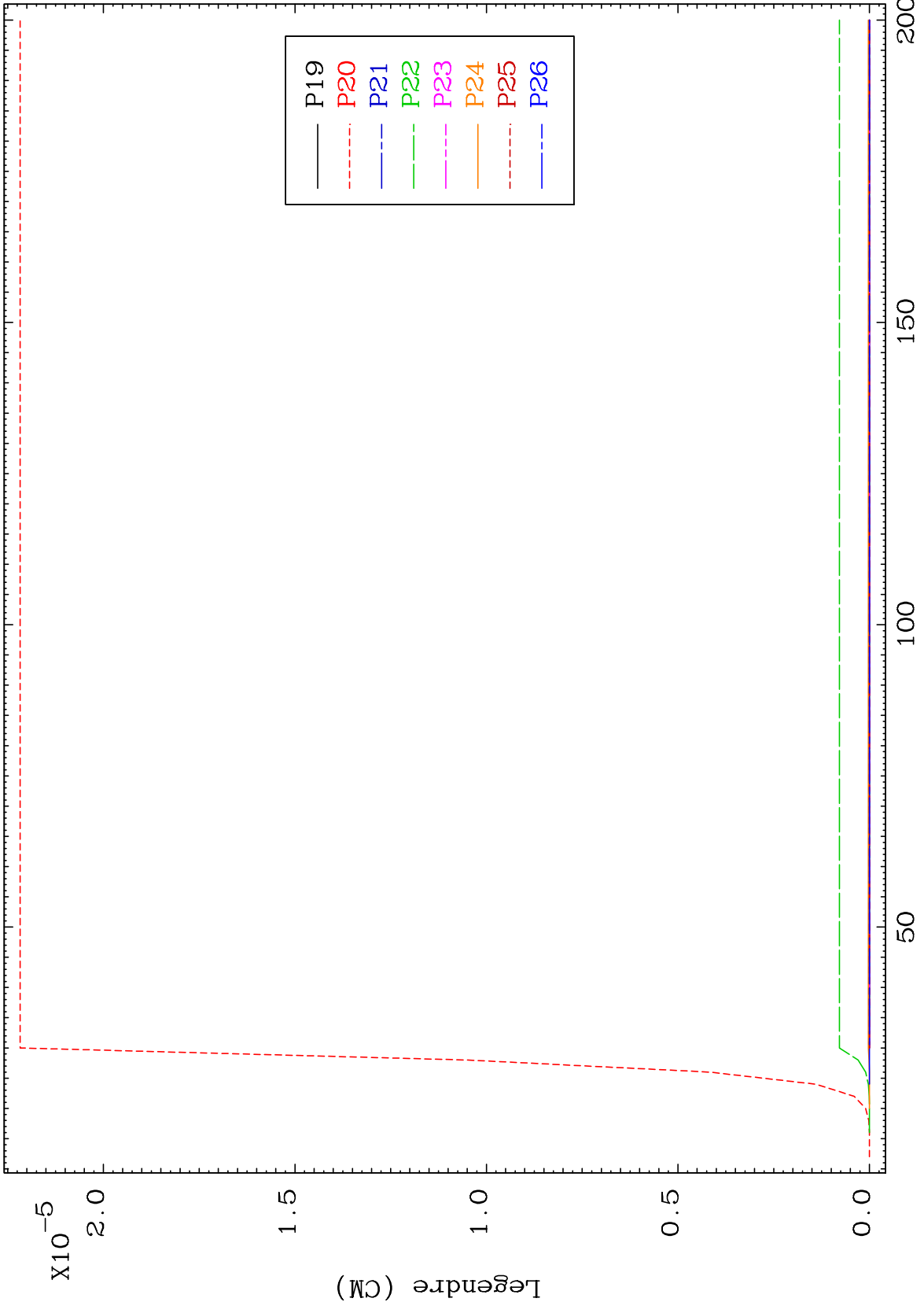
68 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-166



69 70-Yb-166

MAT 7019 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-166

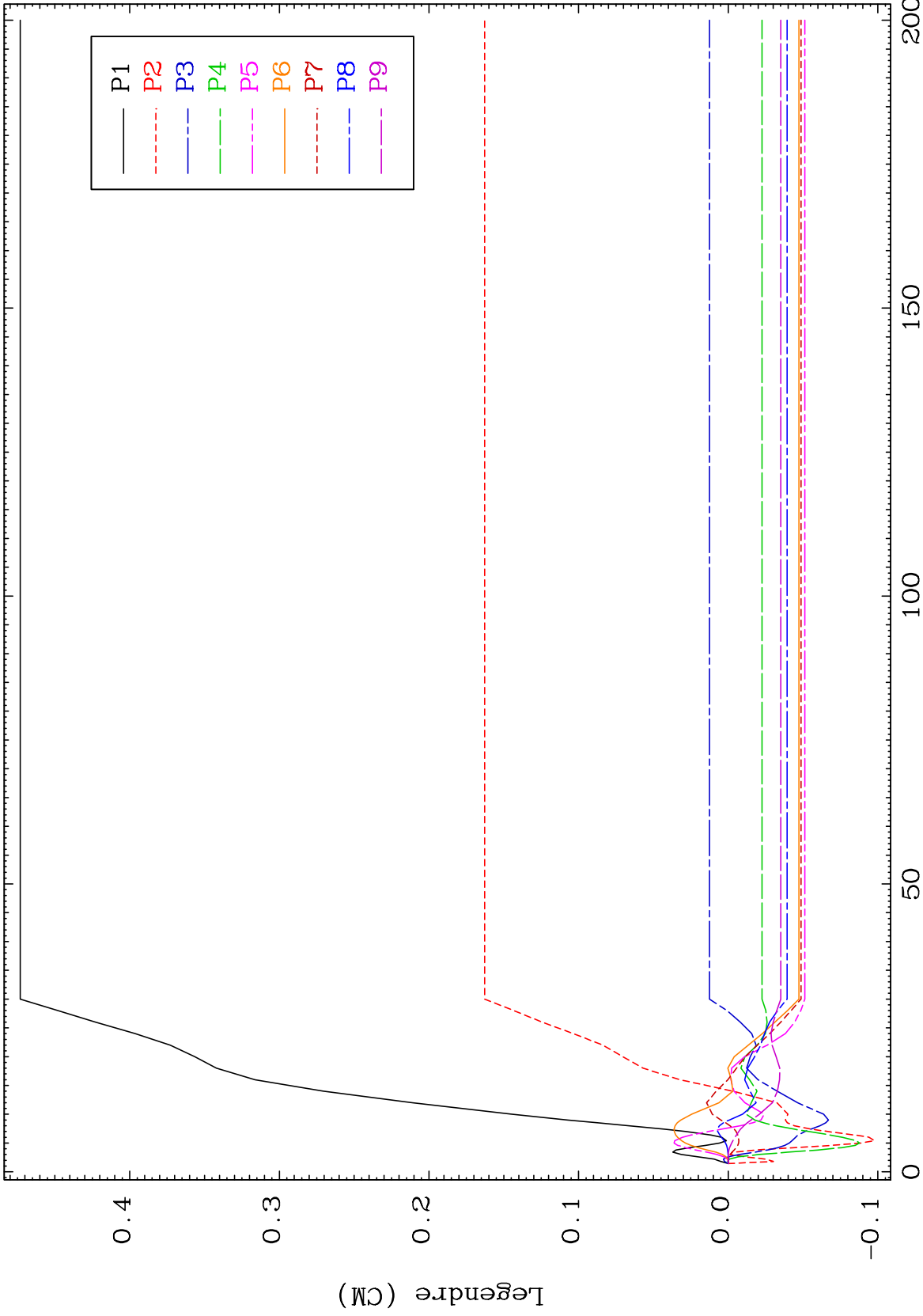


70 50 100 150 200 70-Yb-166

MAT 7019

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

70-Yb-166



71

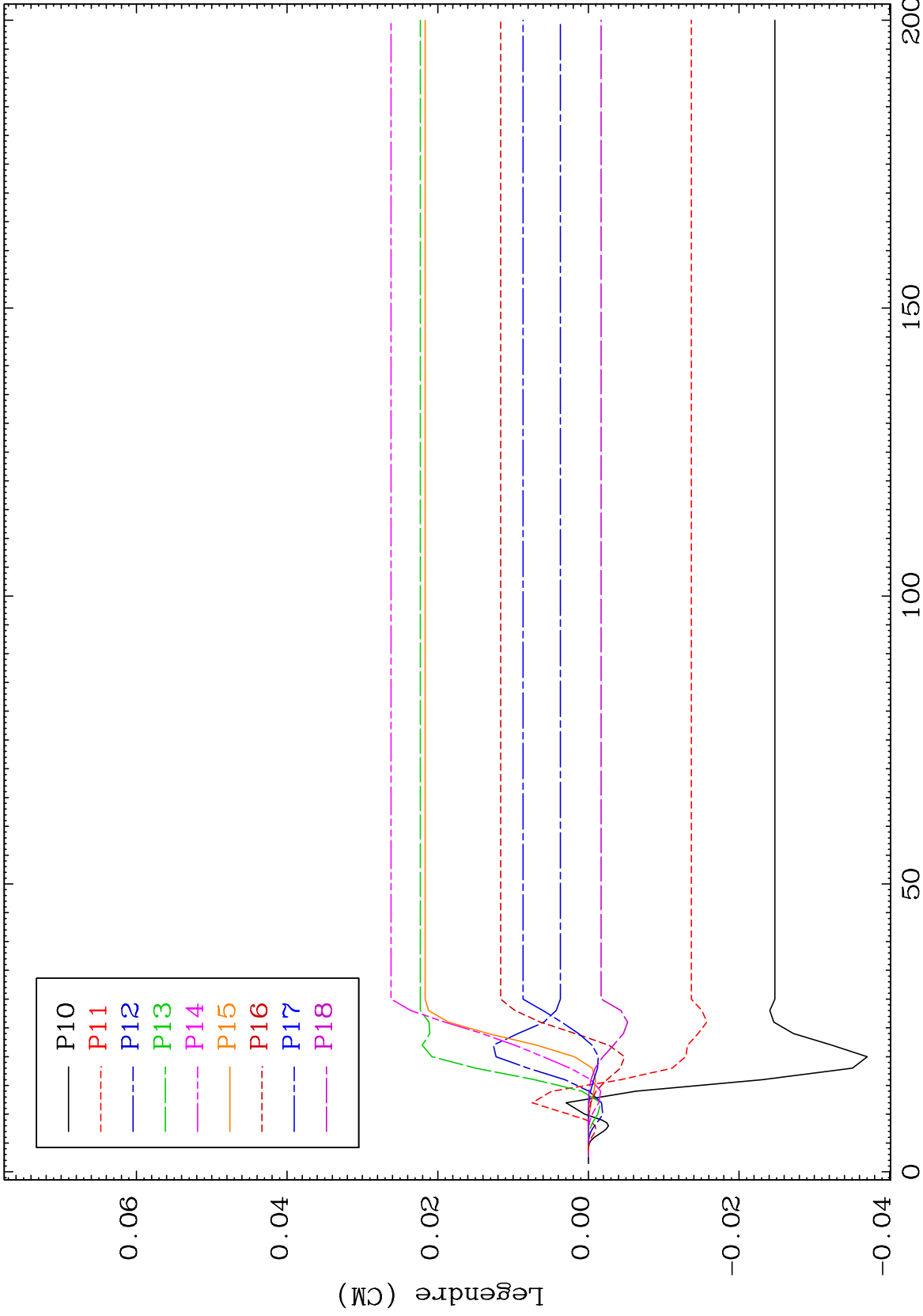
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



72

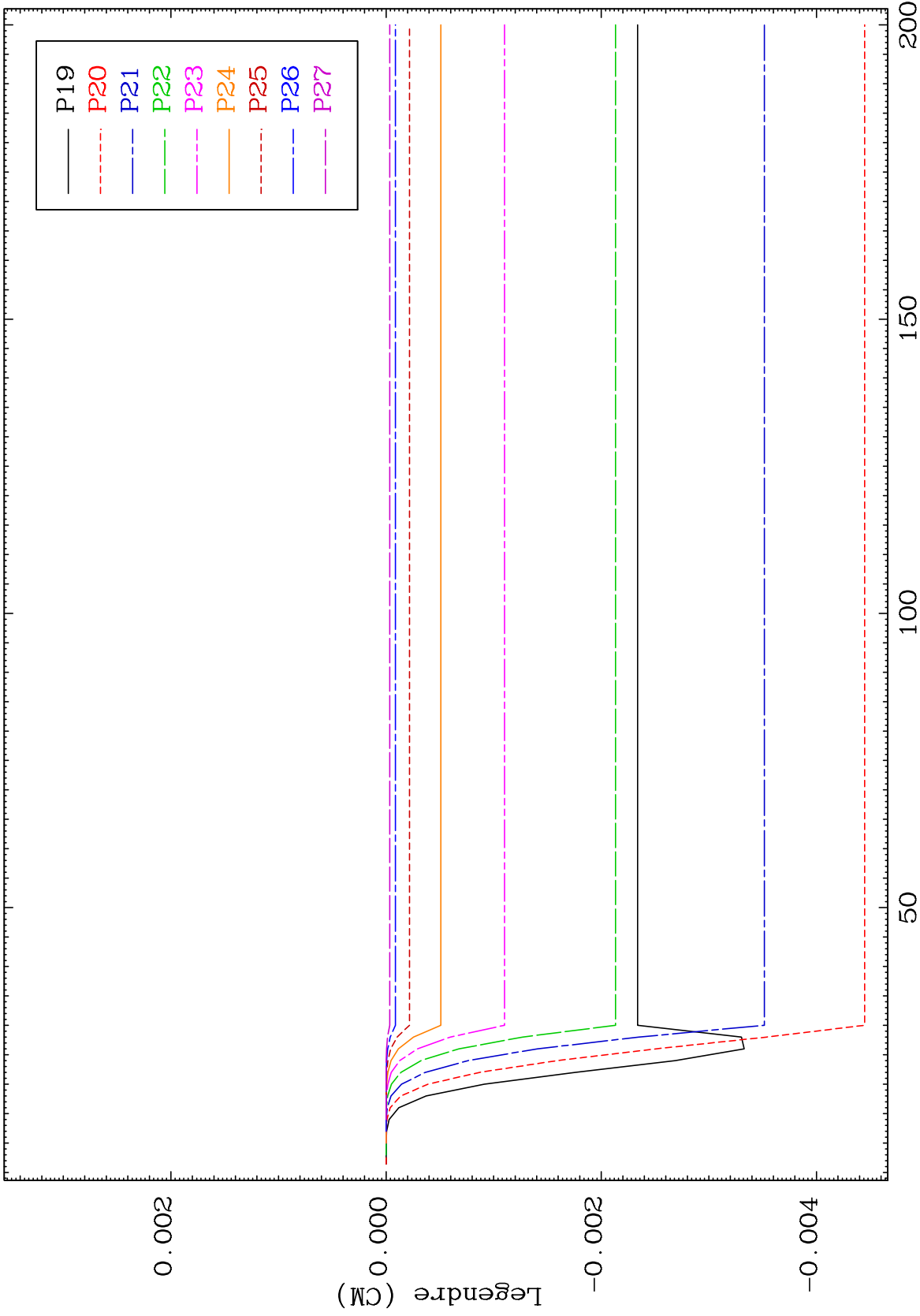
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



73

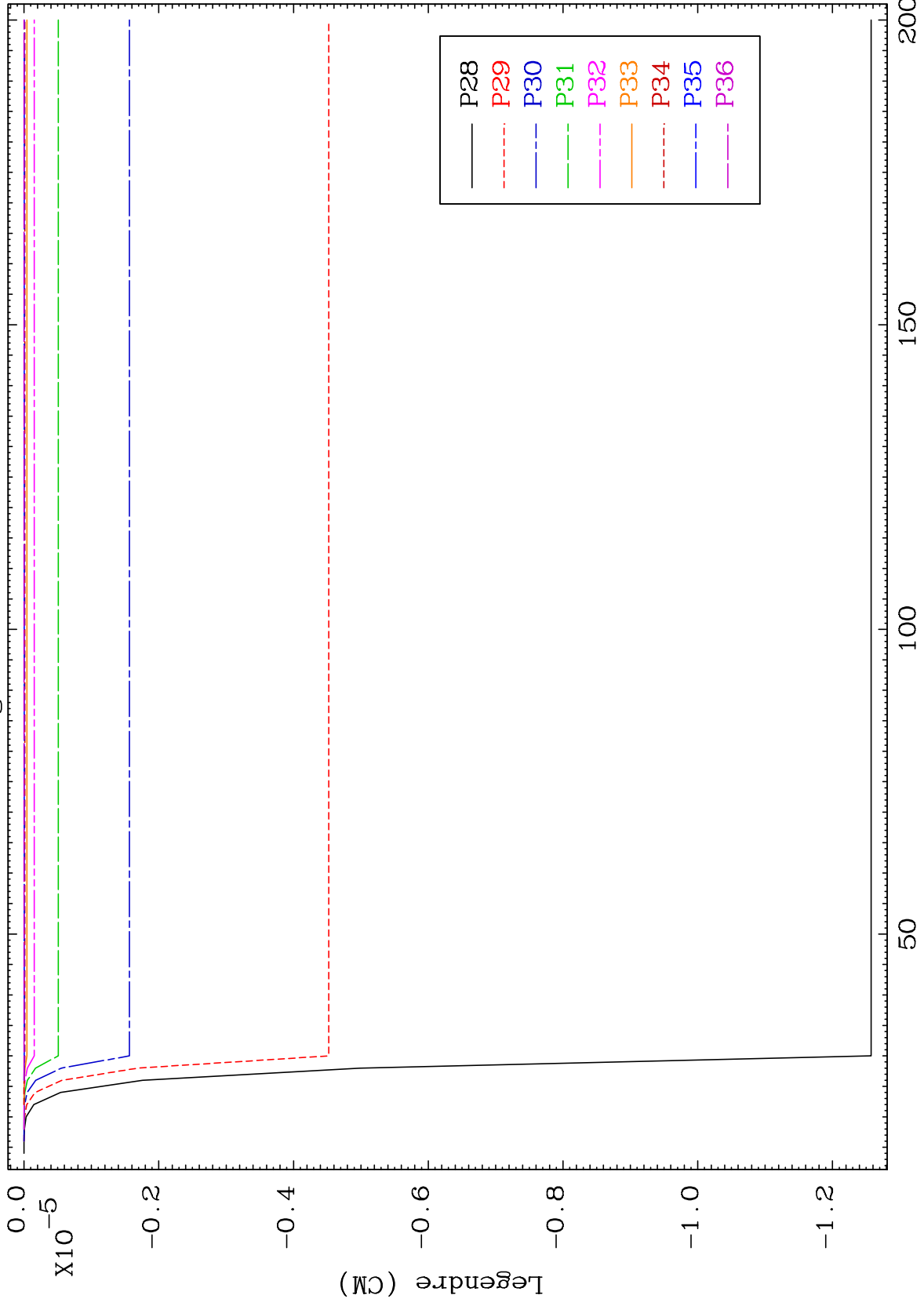
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

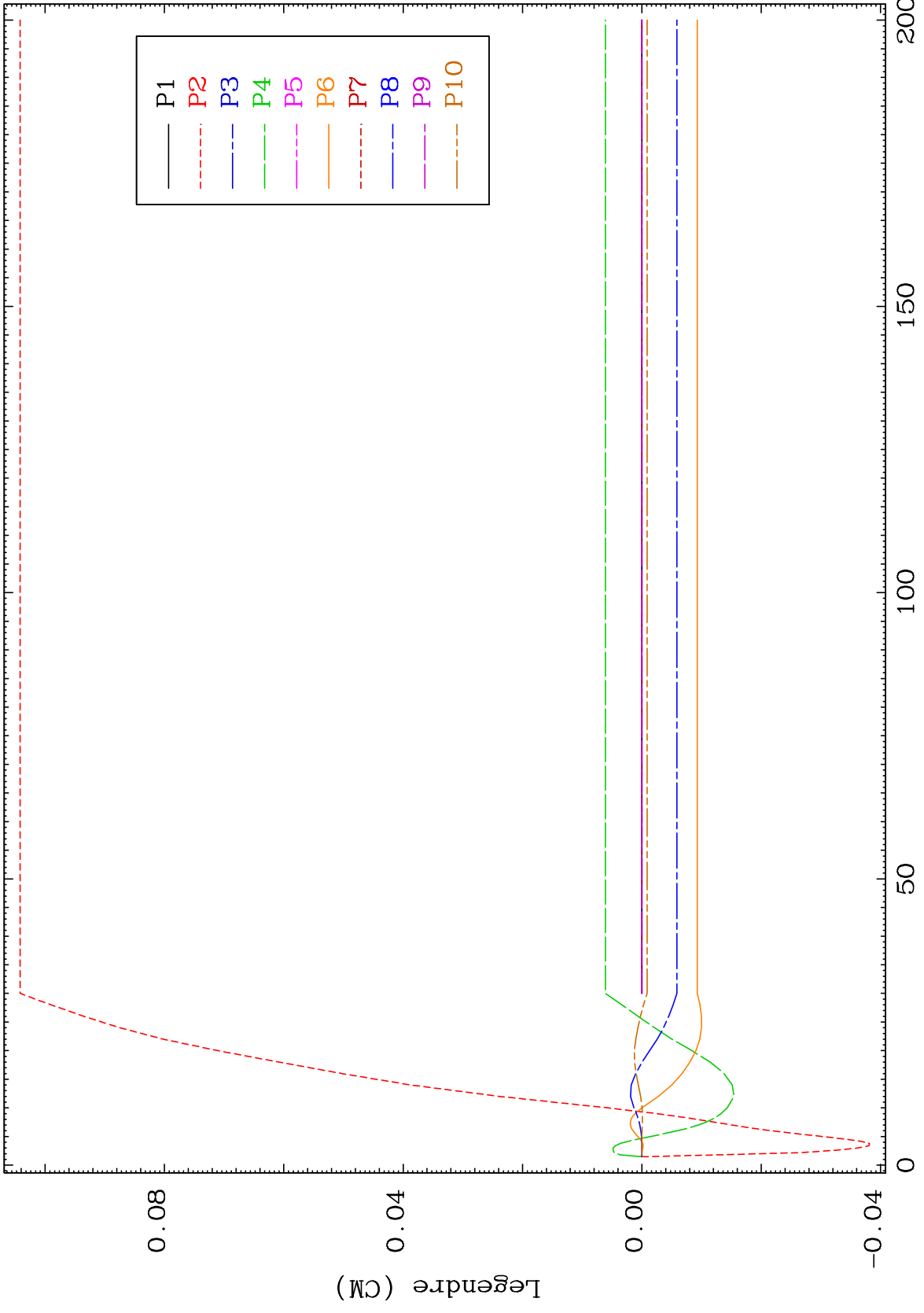


70-Yb-166

Incident Energy (MeV)

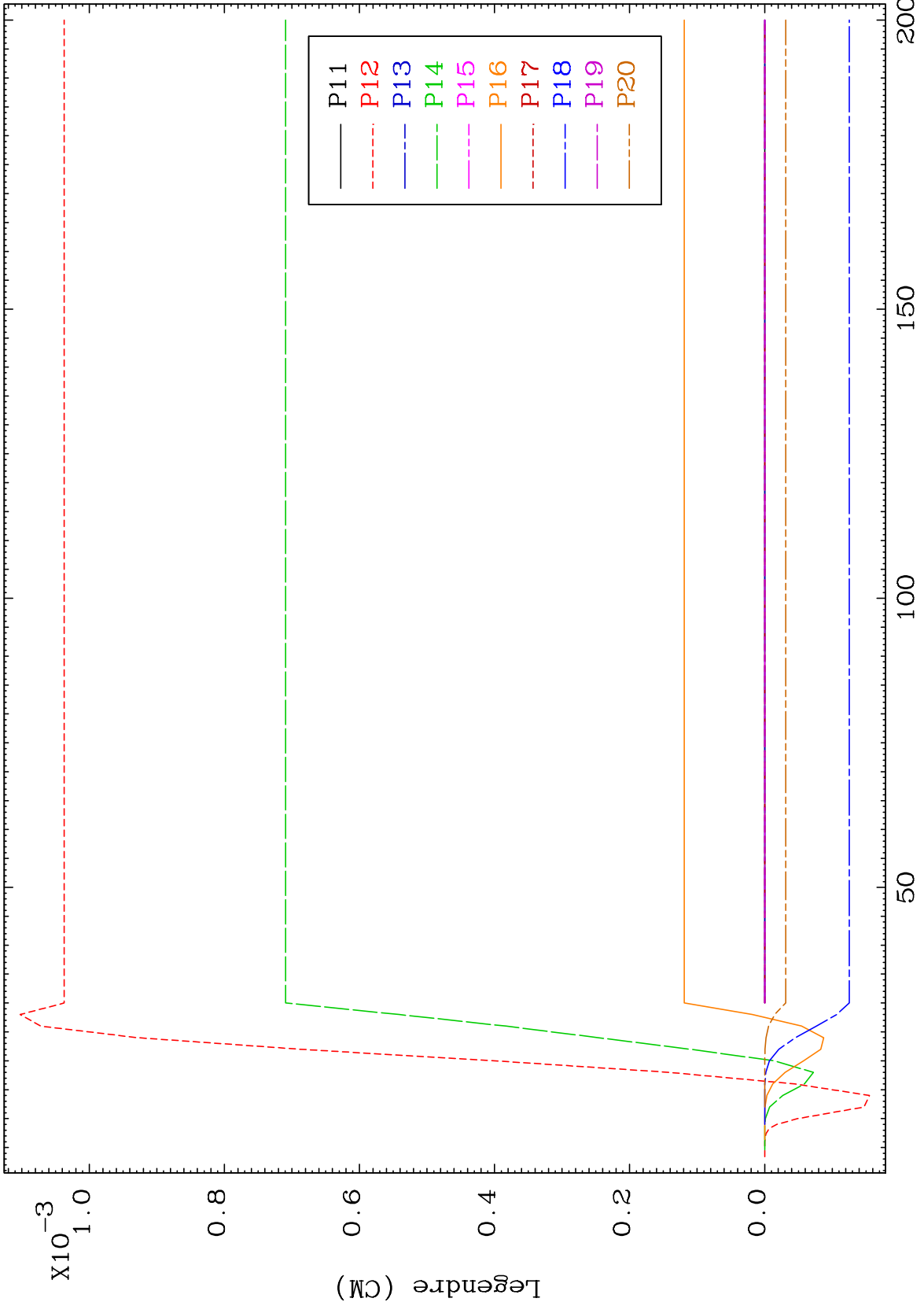
74

MAT 7019 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-166



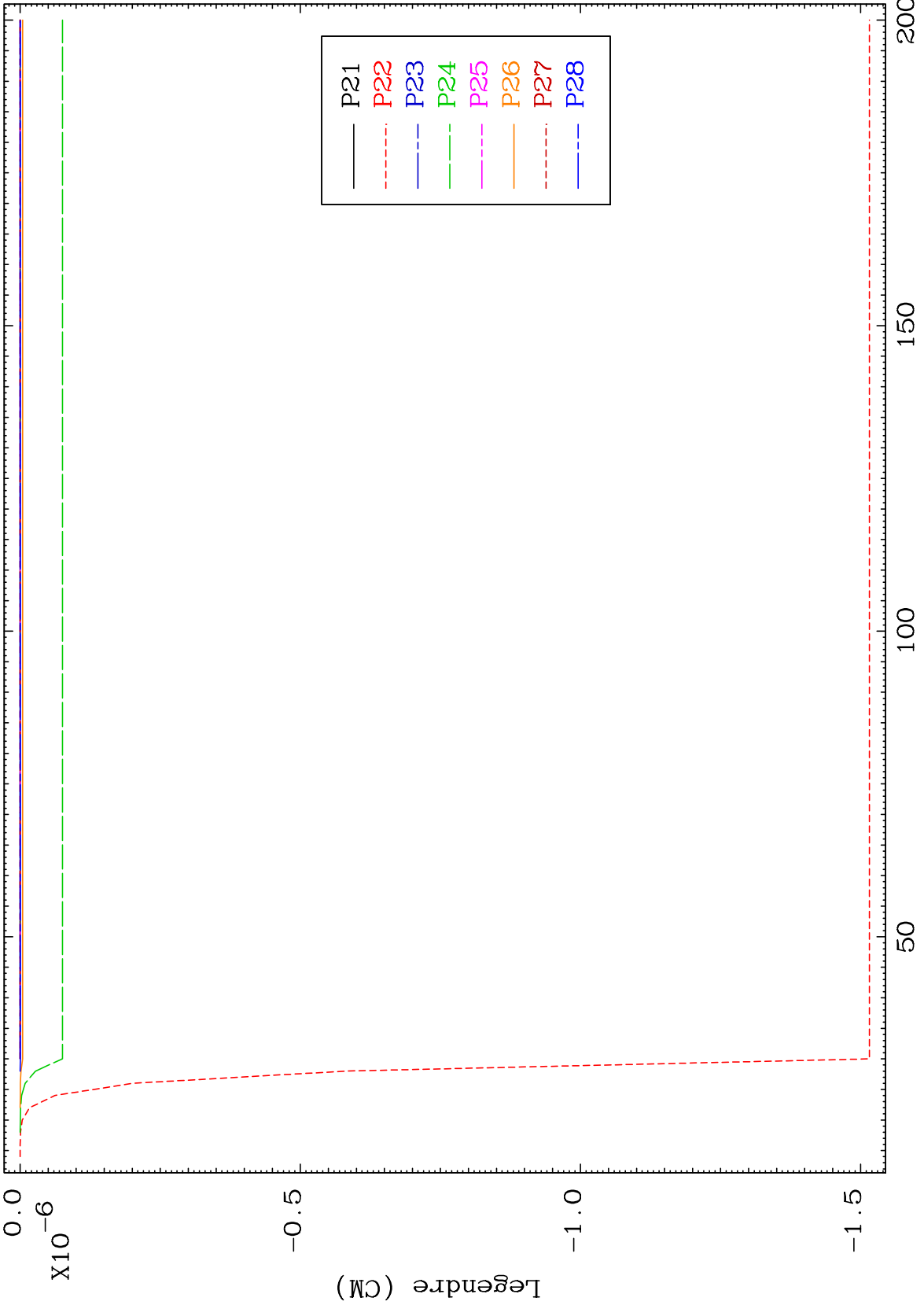
75 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-166



76 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-166

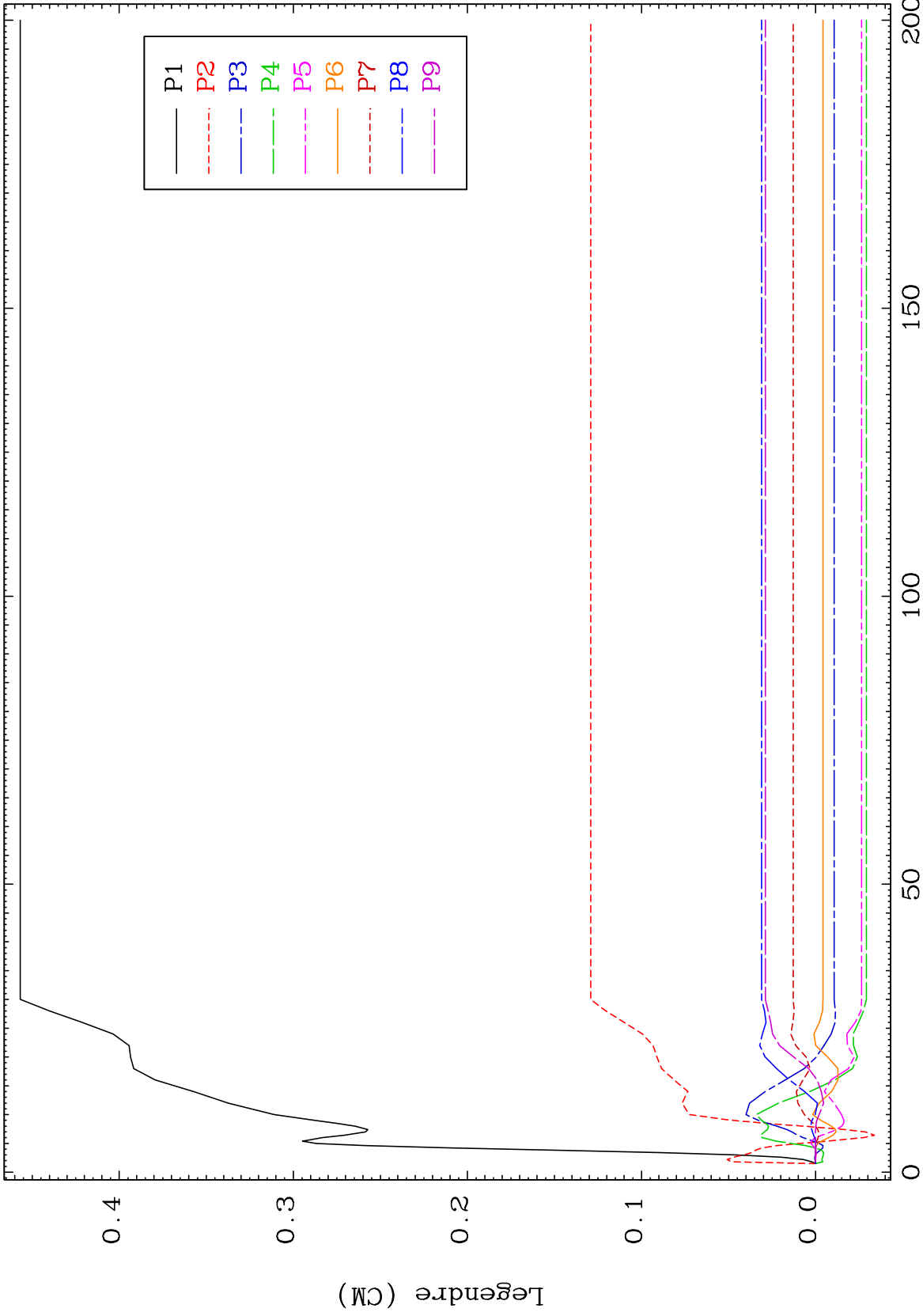


77 70-Yb-166

MAT 7019

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

70-Yb-166



78

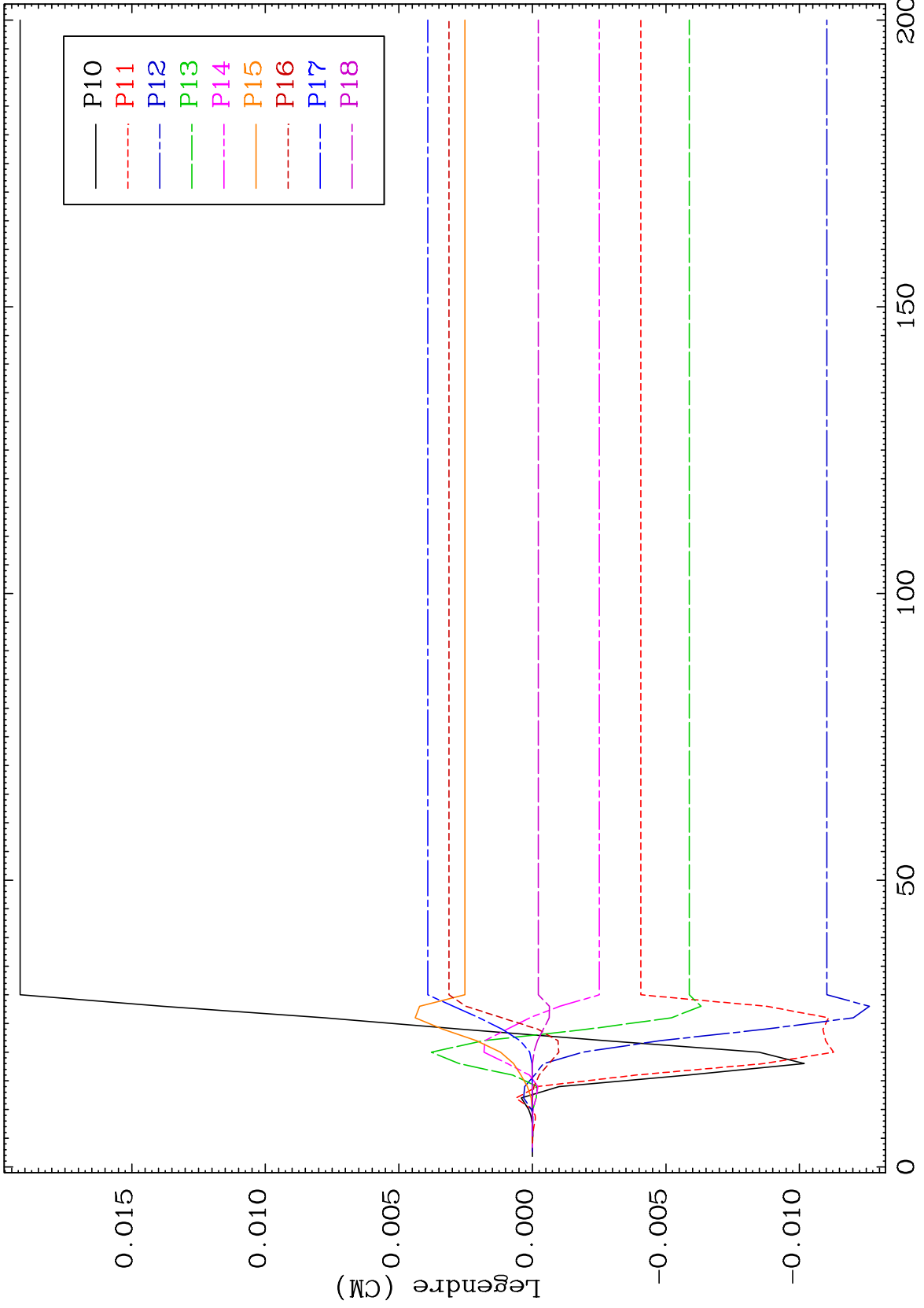
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

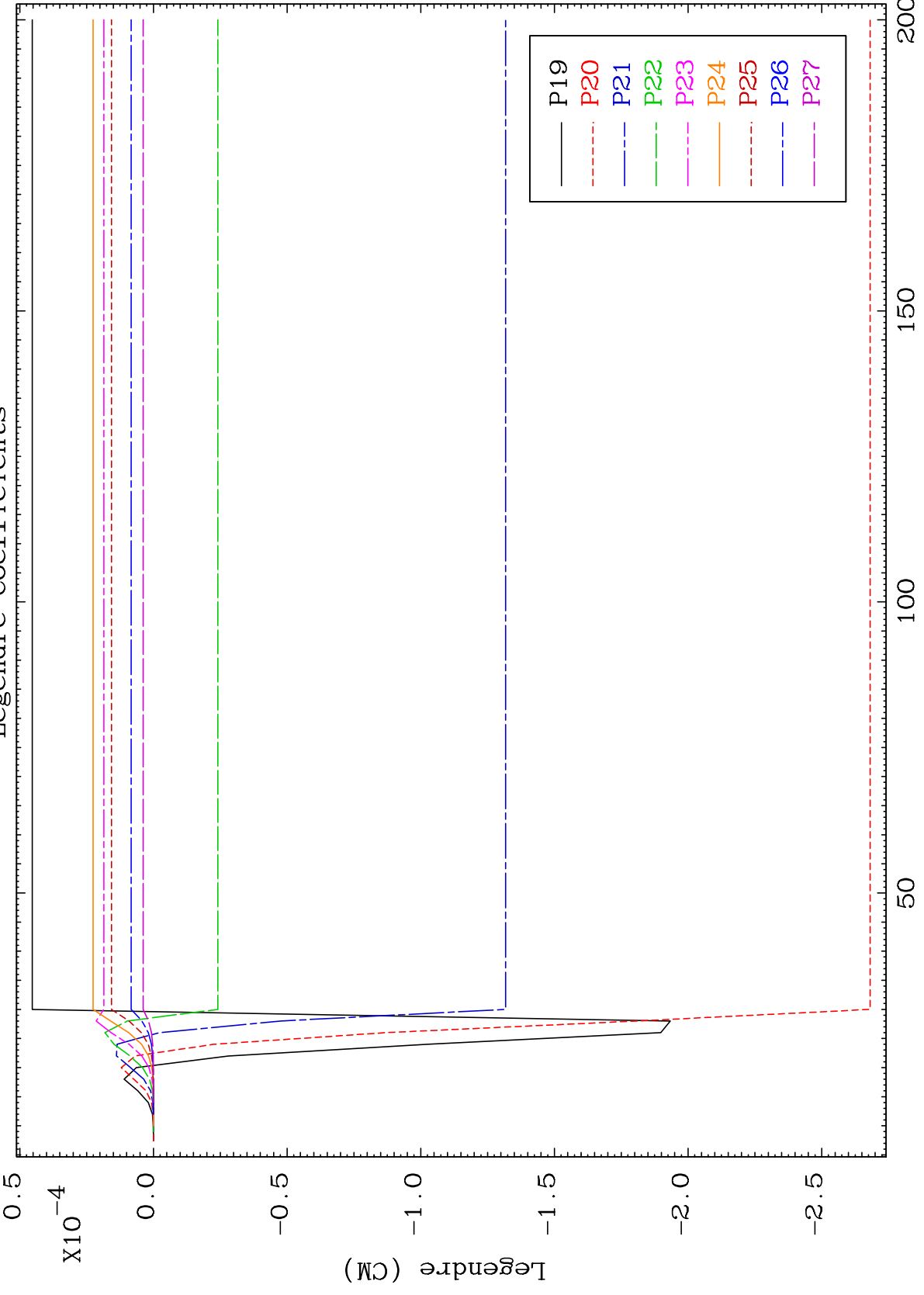


79

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 67 (n,n') Level Legendre Coefficients 70-Yb-166

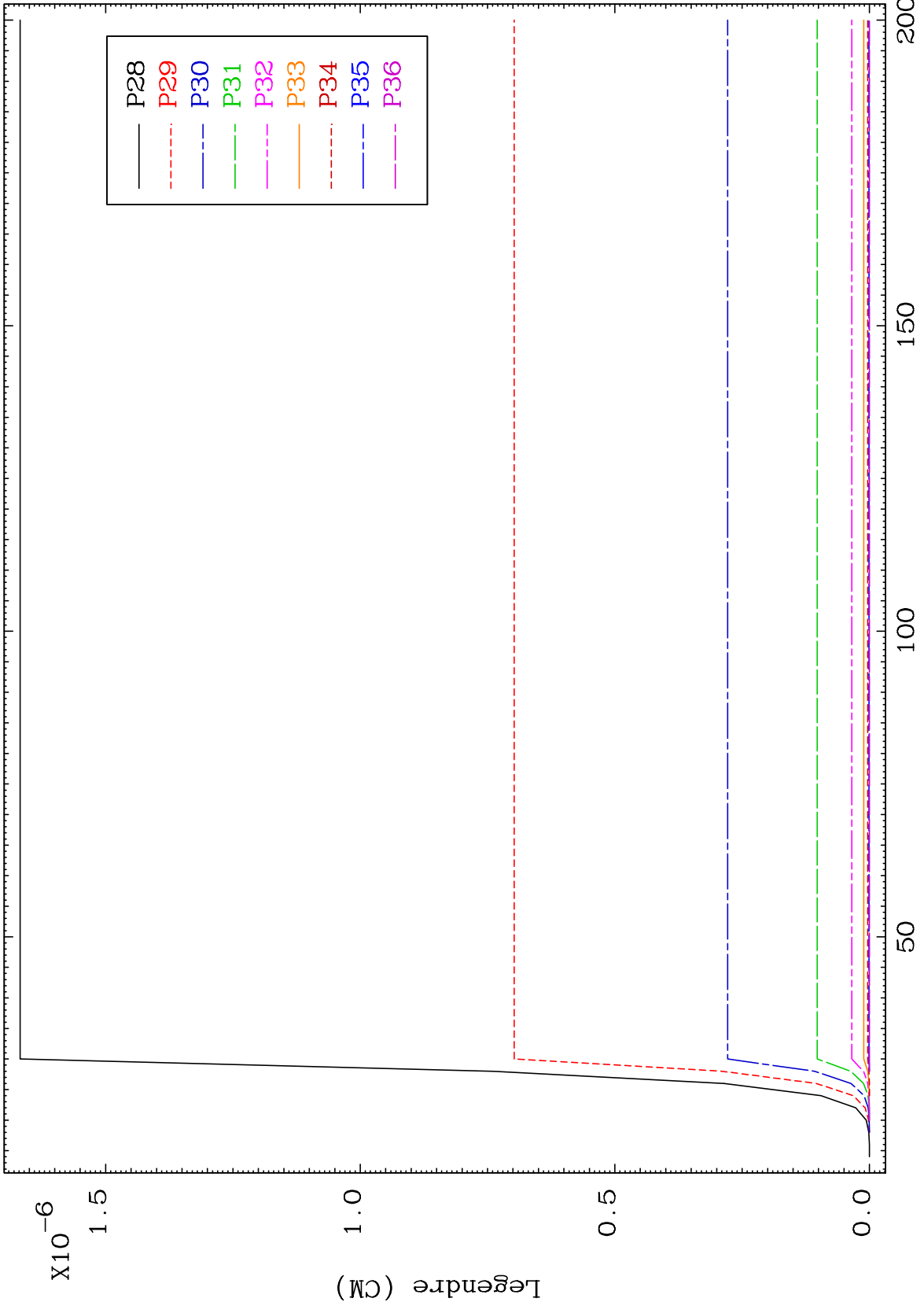


80 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166

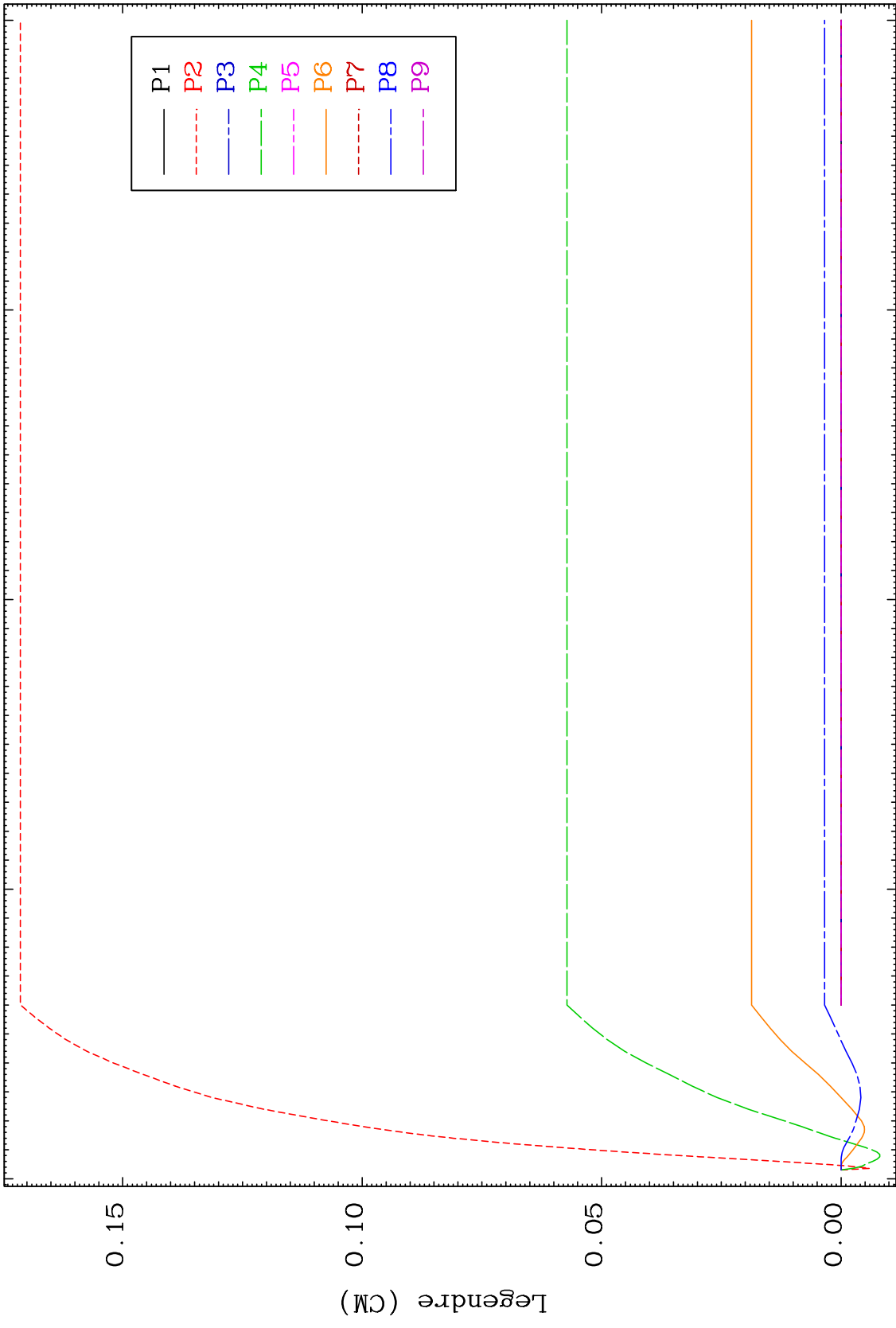


81

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-166

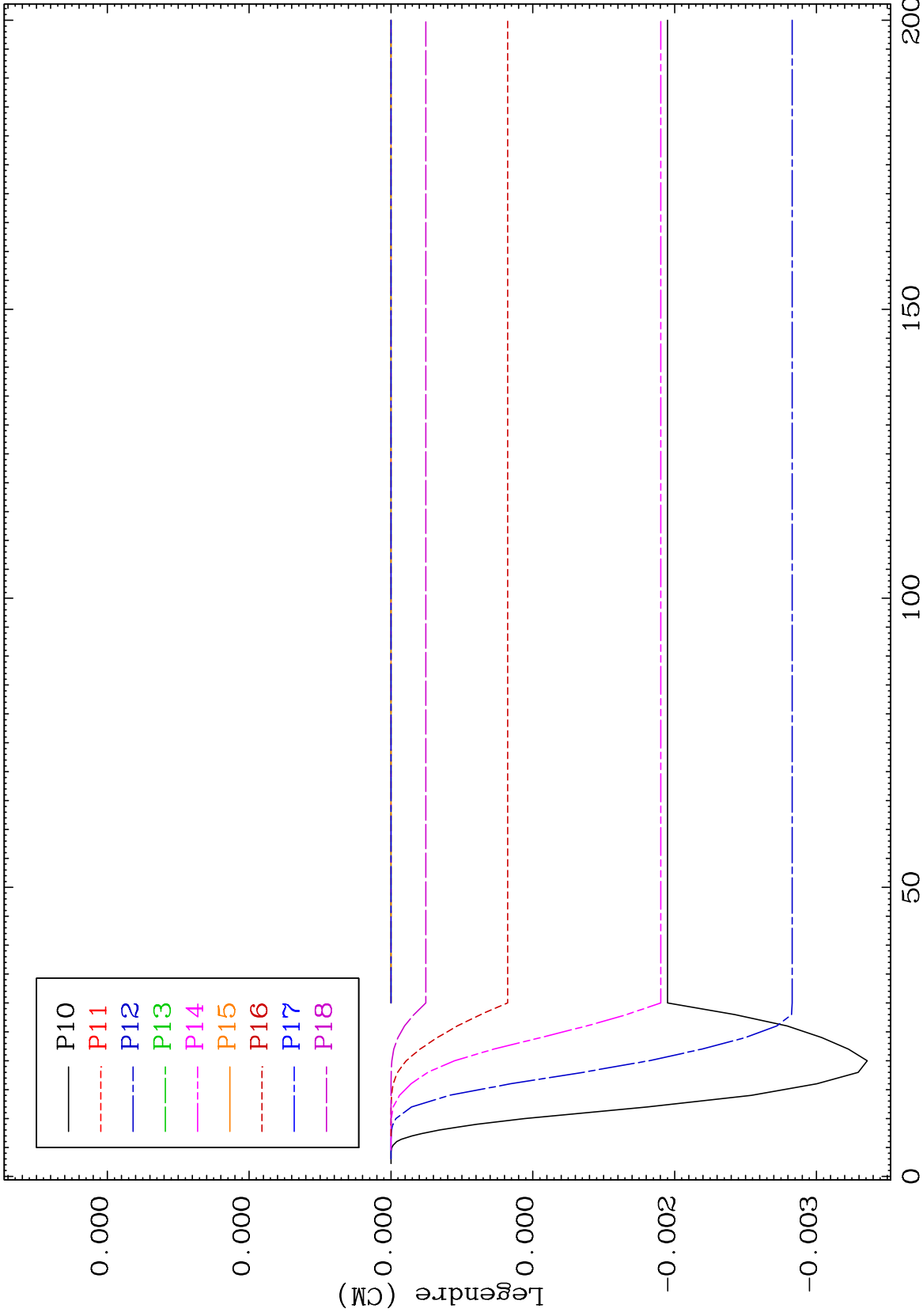


82 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



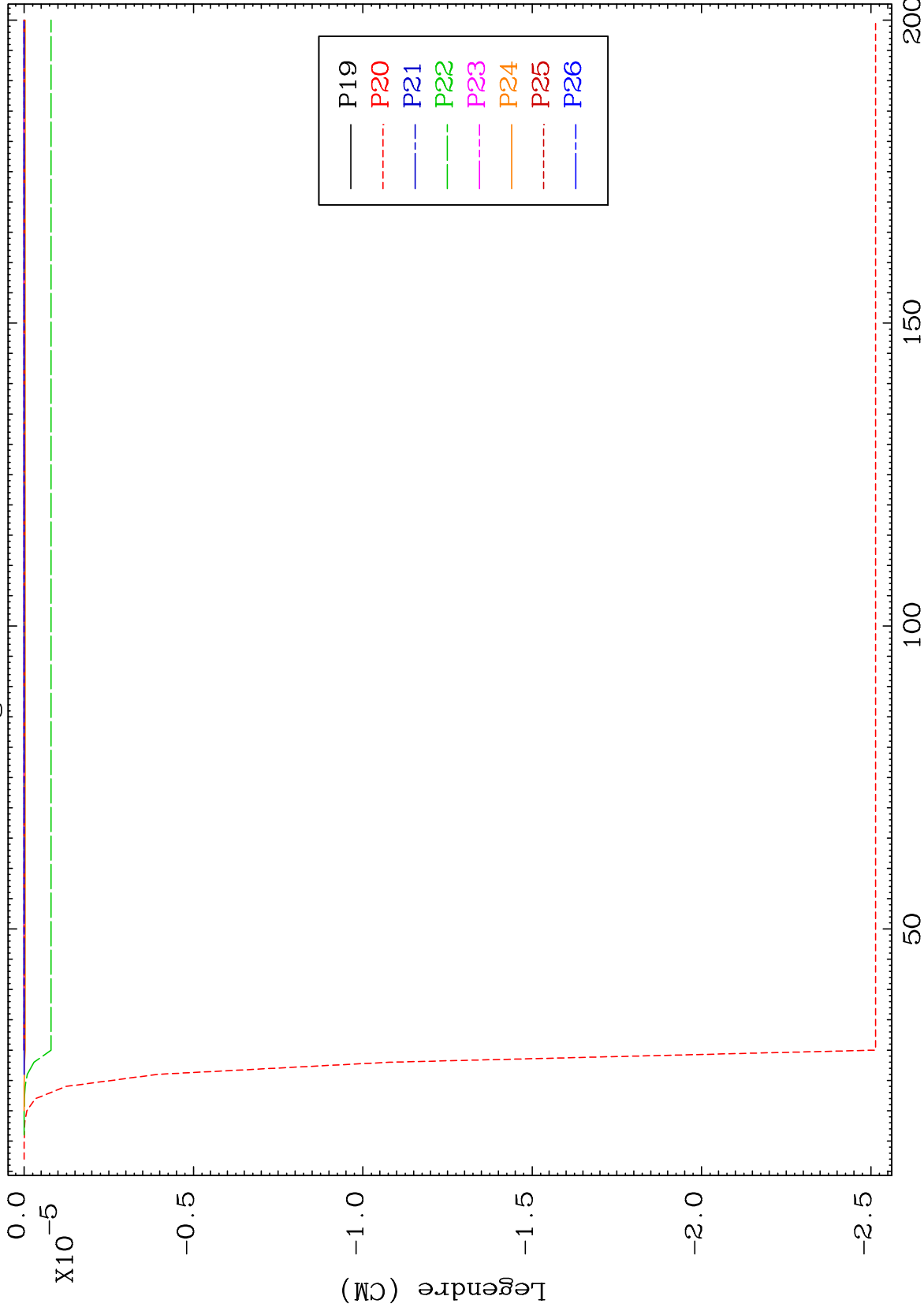
83

70-Yb-166

MAT 7019

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

70-Yb-166

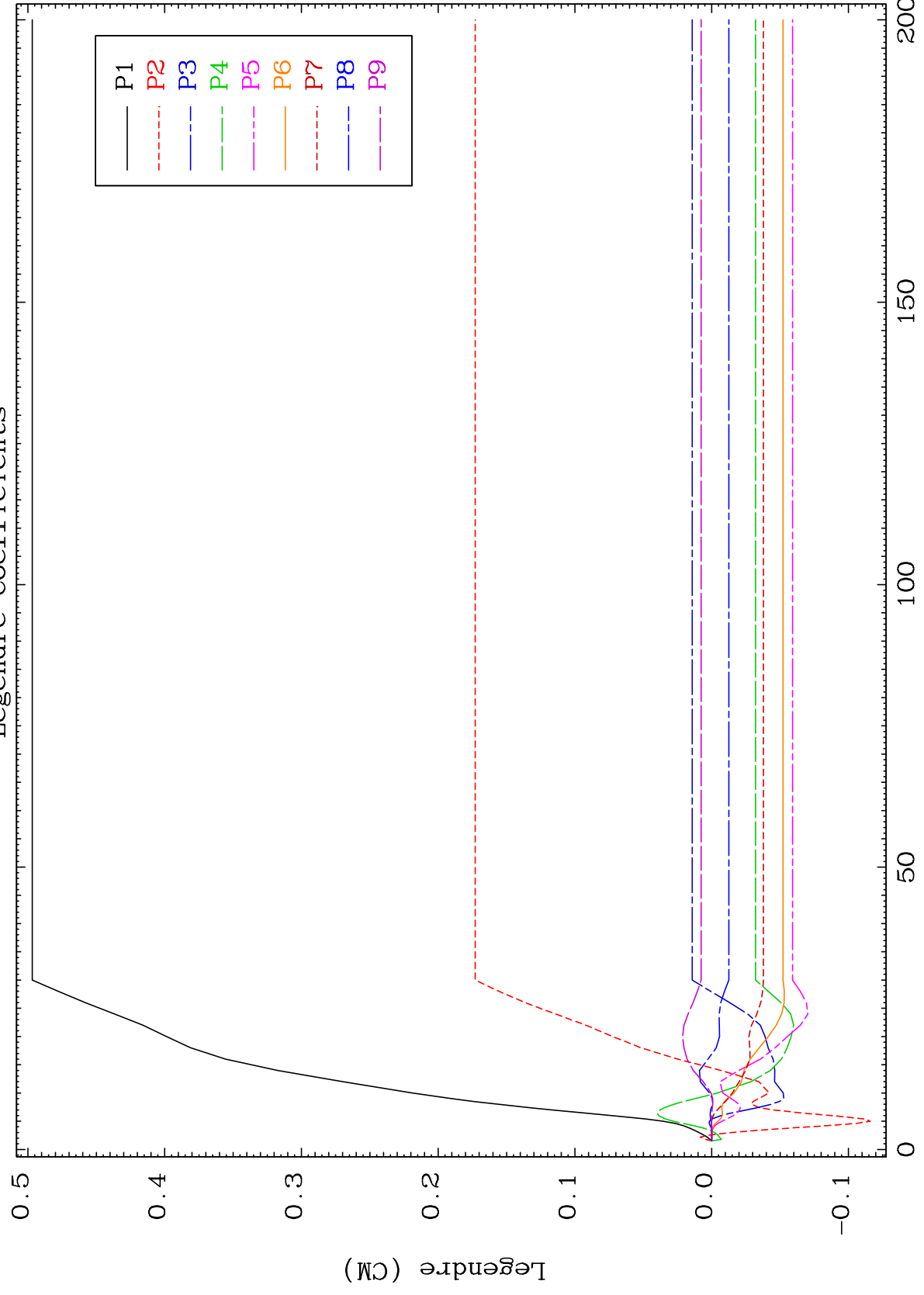


84

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-166

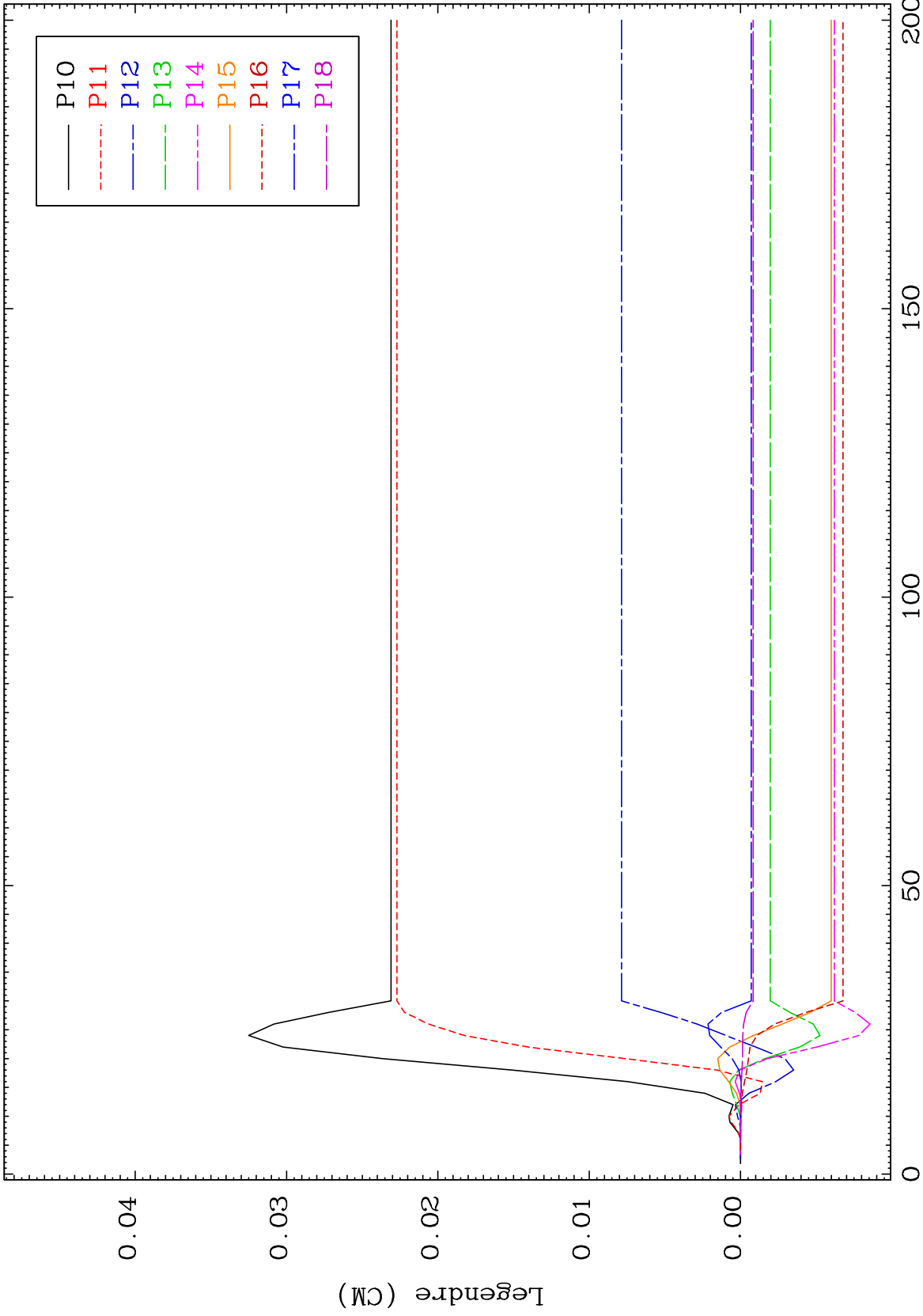


85 70-Yb-166

MAT 7019

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

70-Yb-166



86

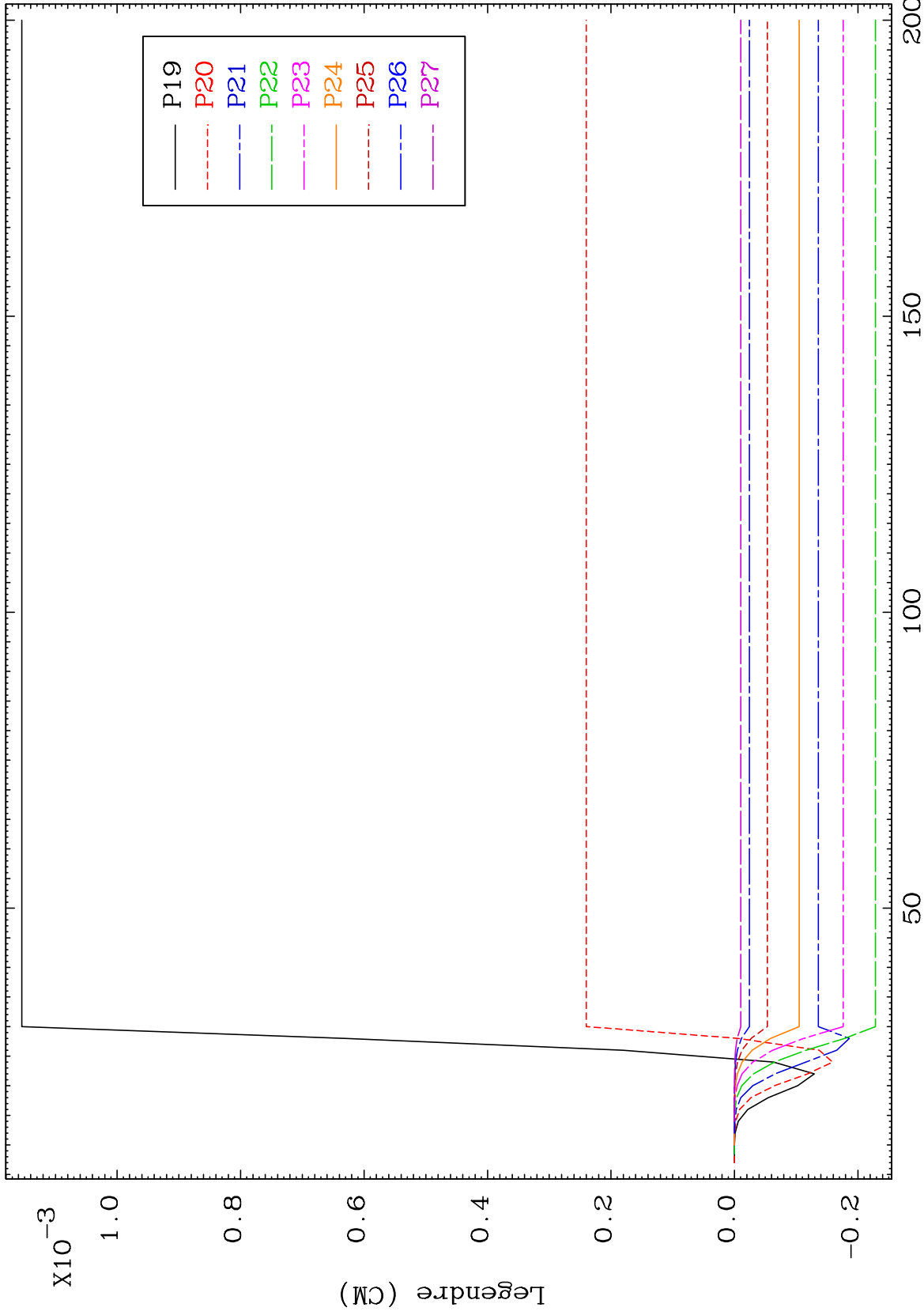
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

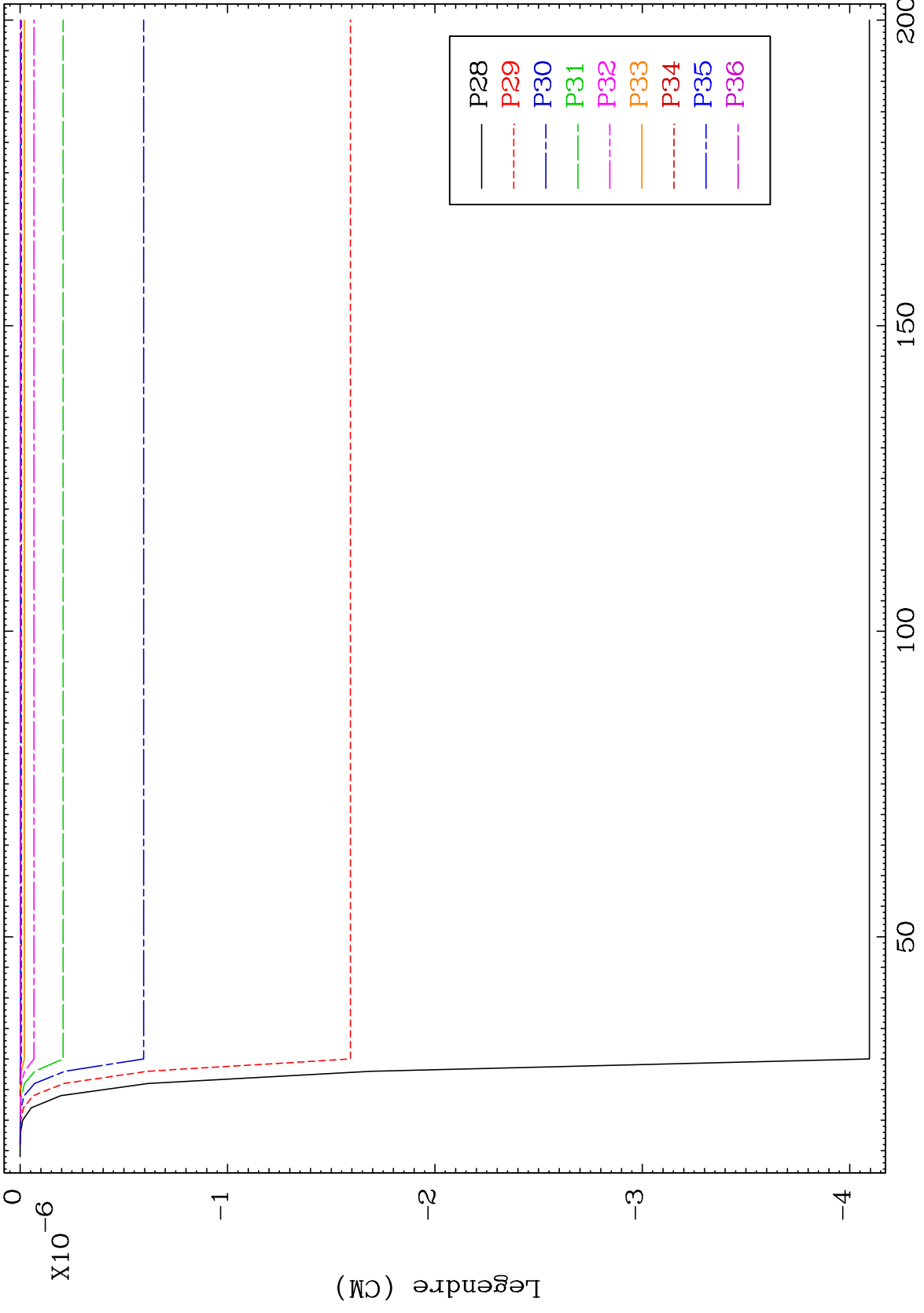


87

Incident Energy (MeV)

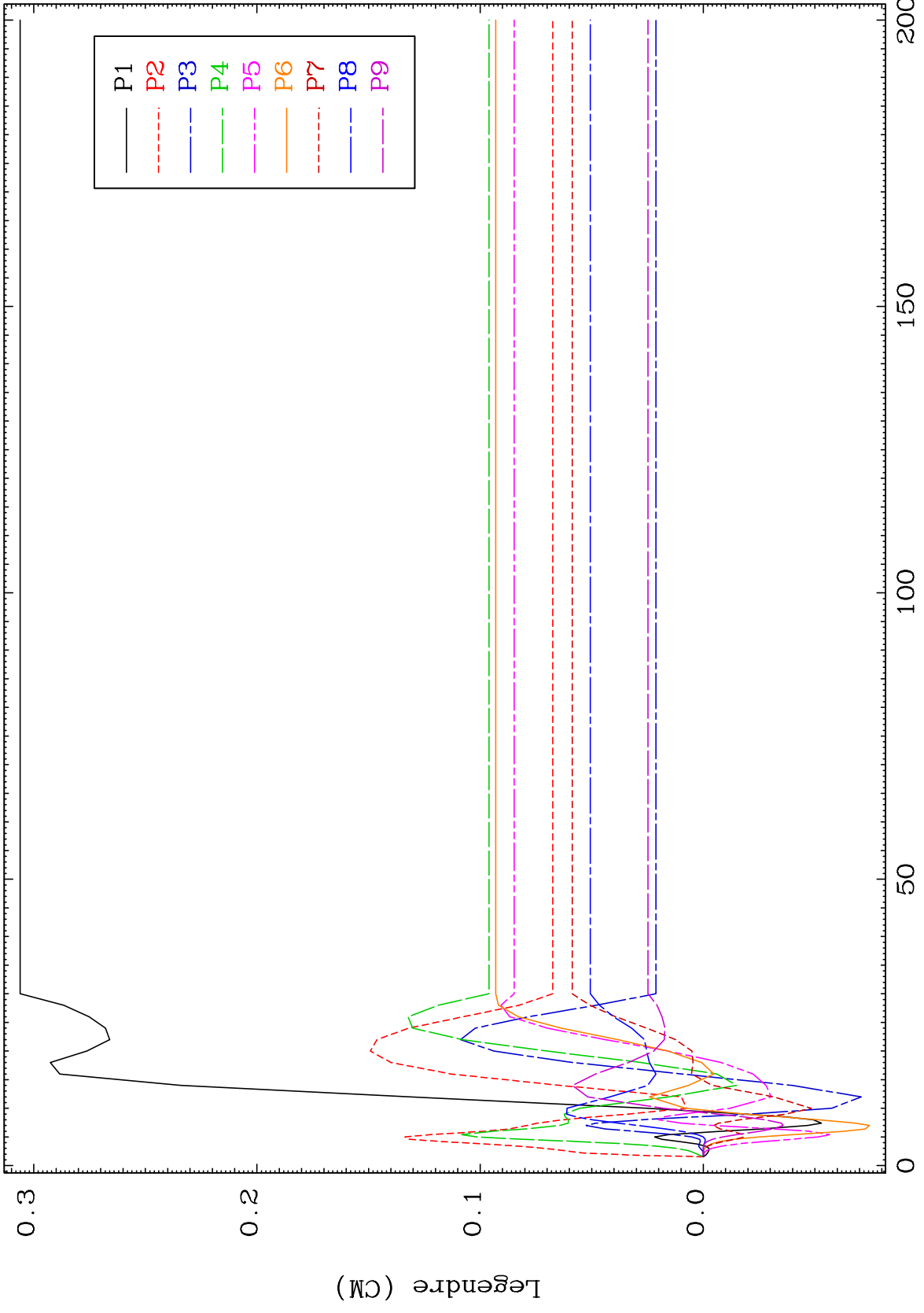
70-Yb-166

MAT 7019 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-166



88 Incident Energy (MeV) 70-Yb-166

MAT 7019 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-166

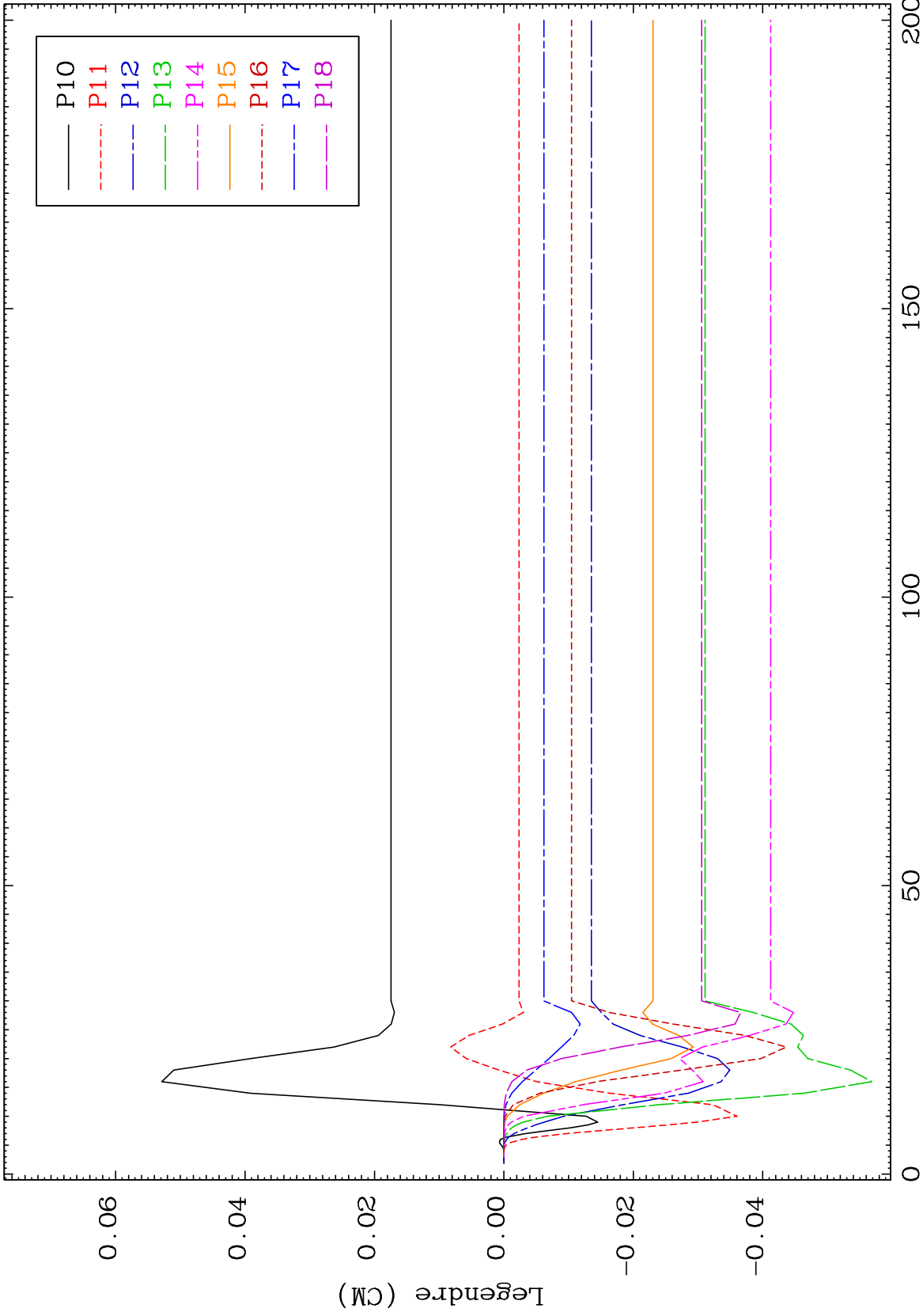


89 70-Yb-166

MAT 7019

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

70-Yb-166

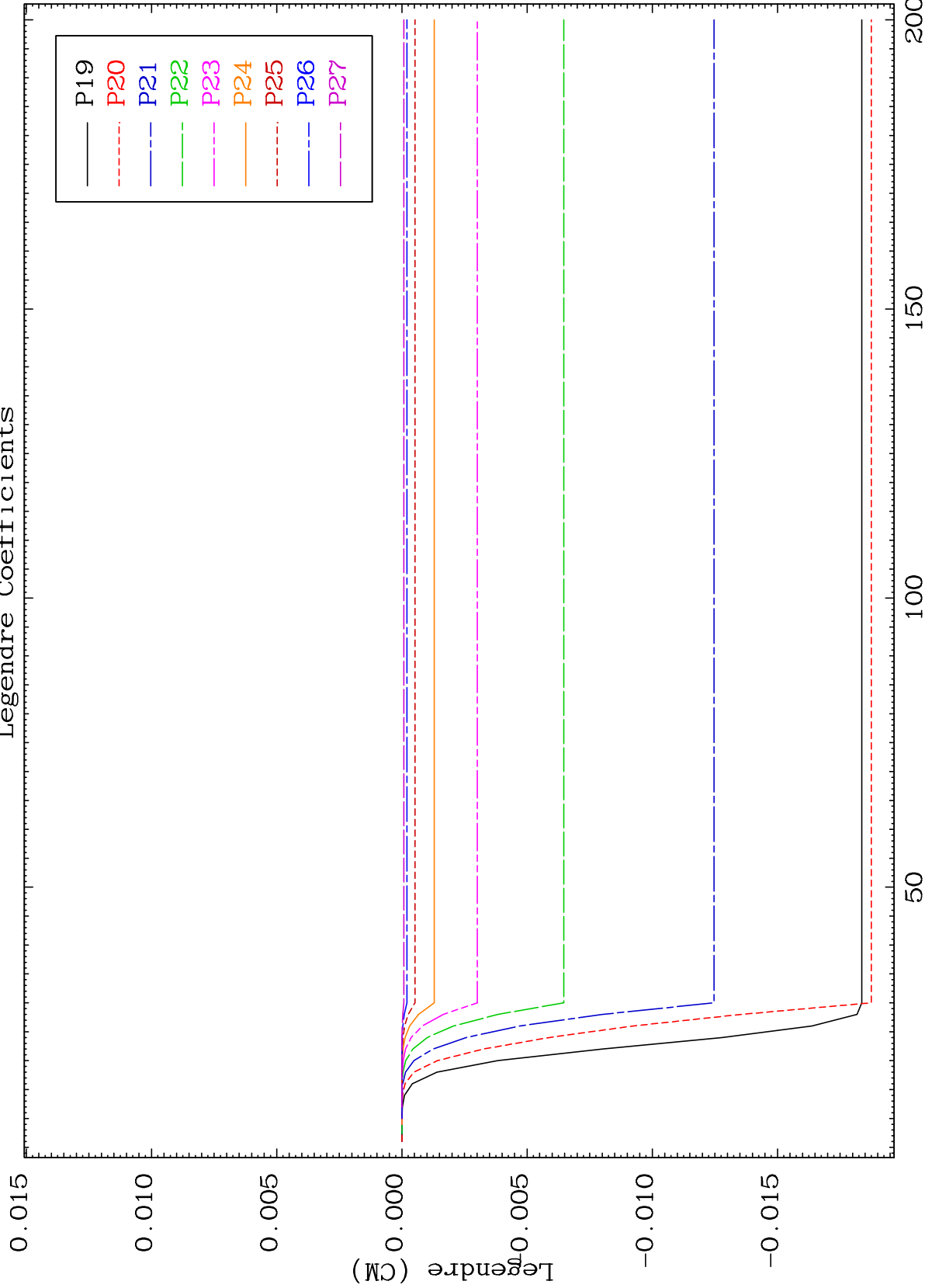


90

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-166



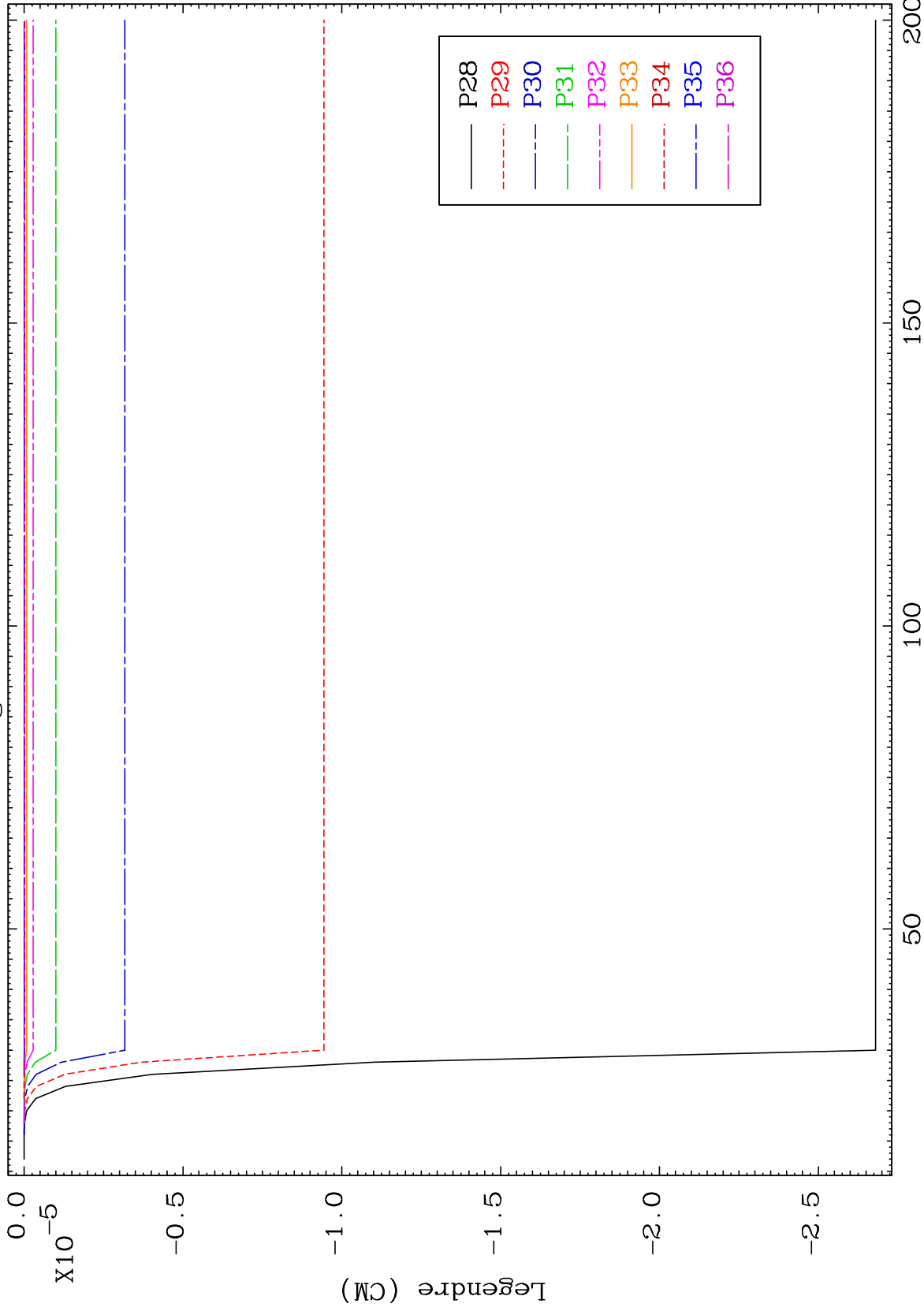
70-Yb-166

Incident Energy (MeV)

MAT 7019

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

70-Yb-166



92

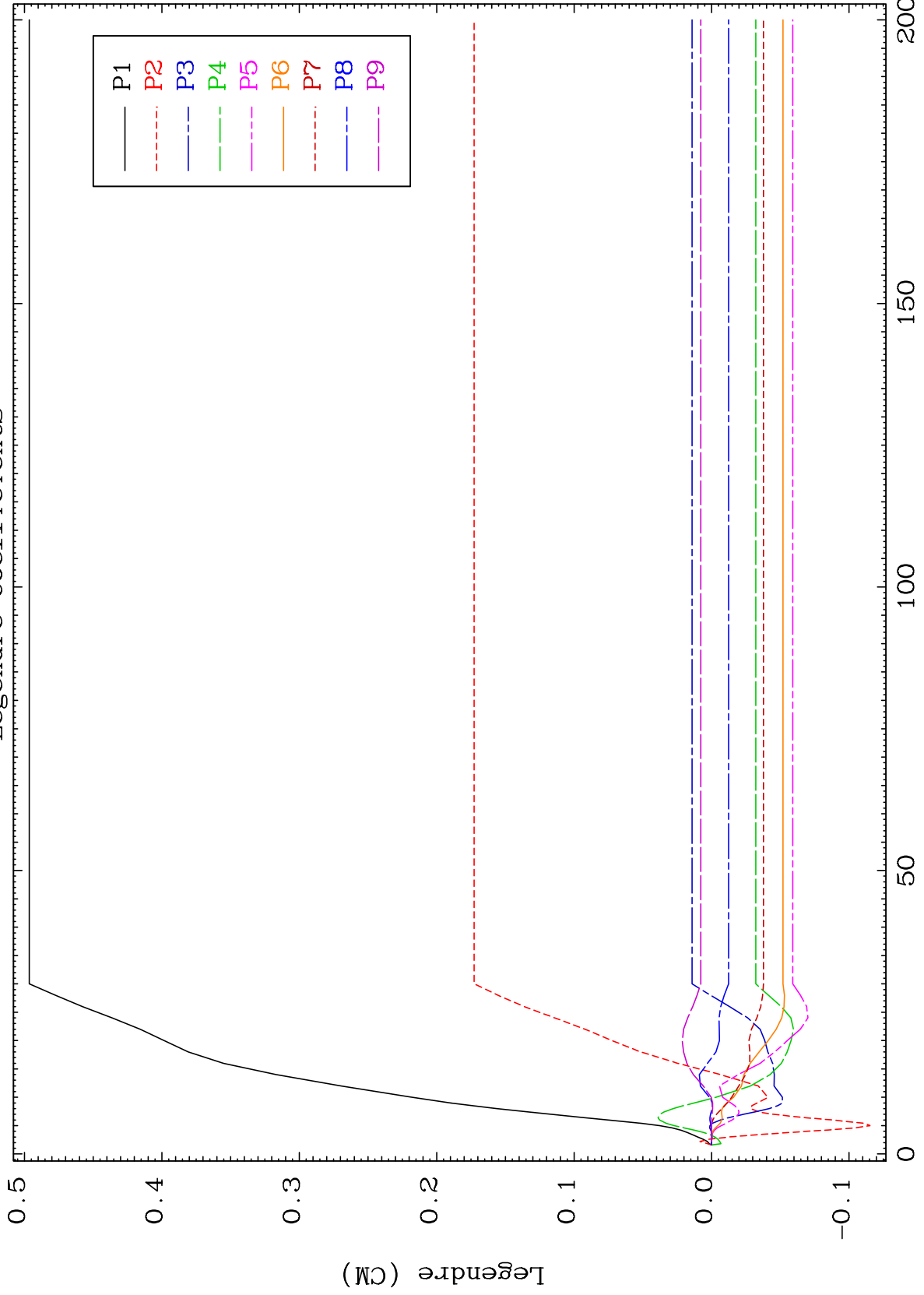
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



93

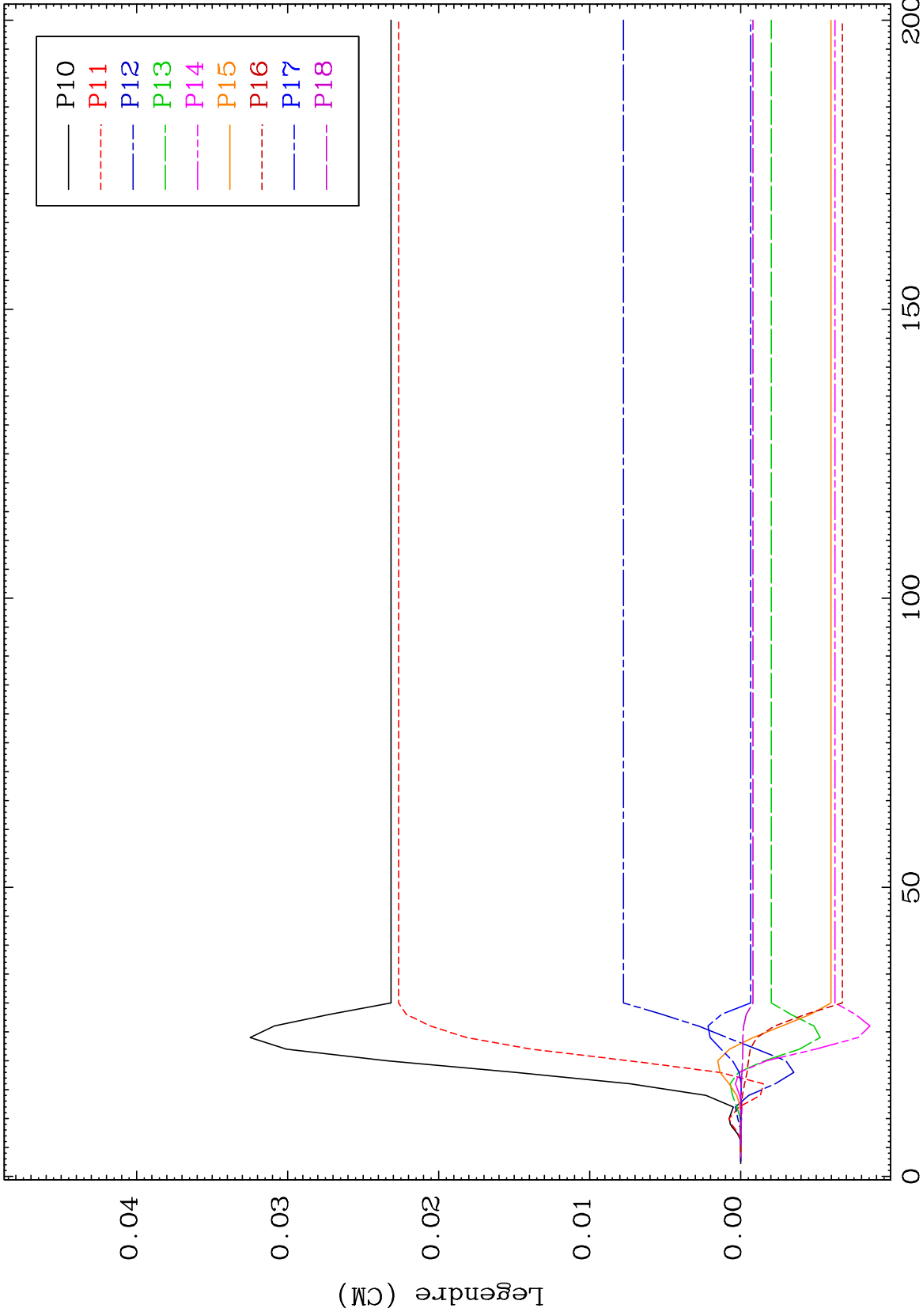
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



94

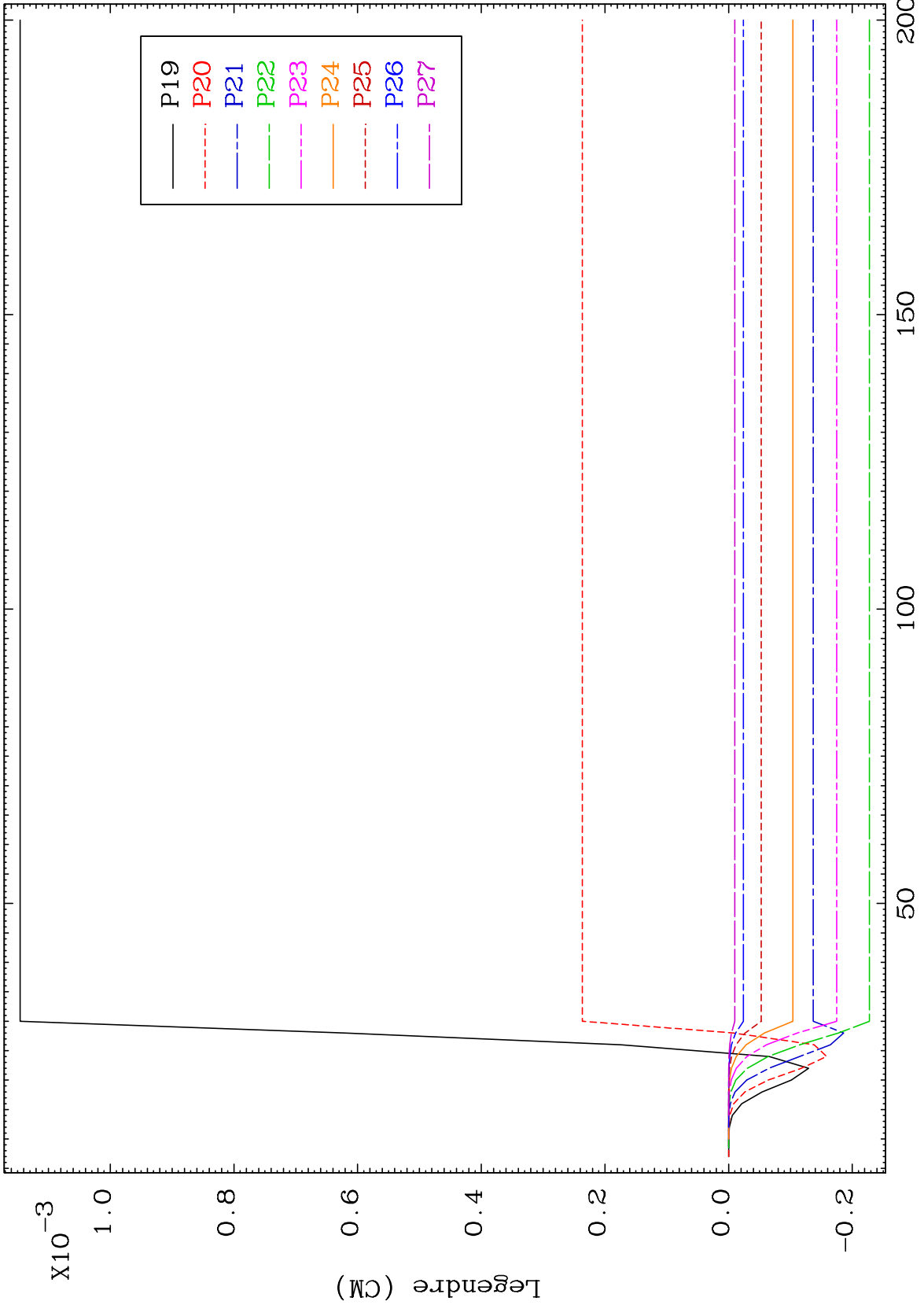
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



95

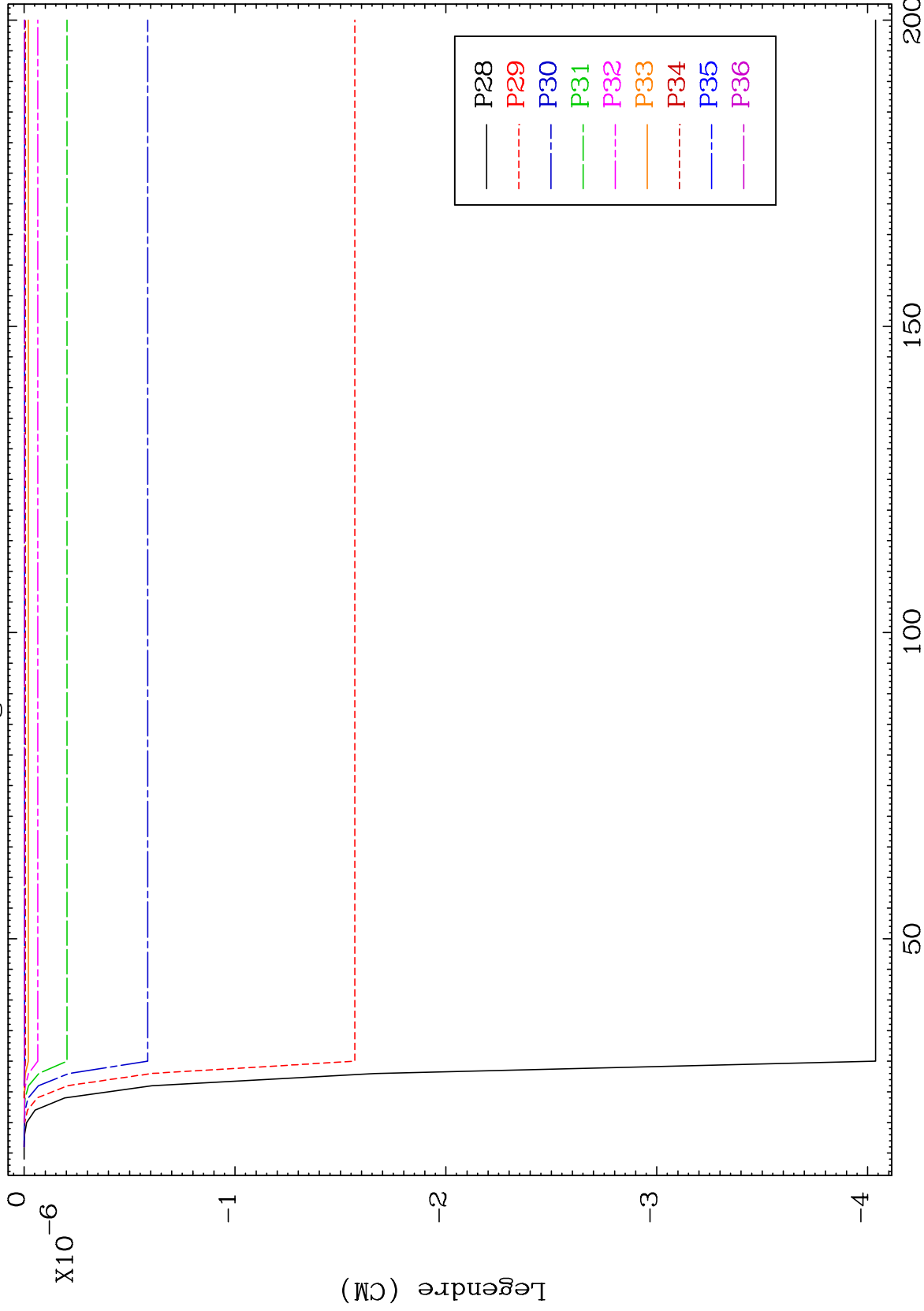
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



96

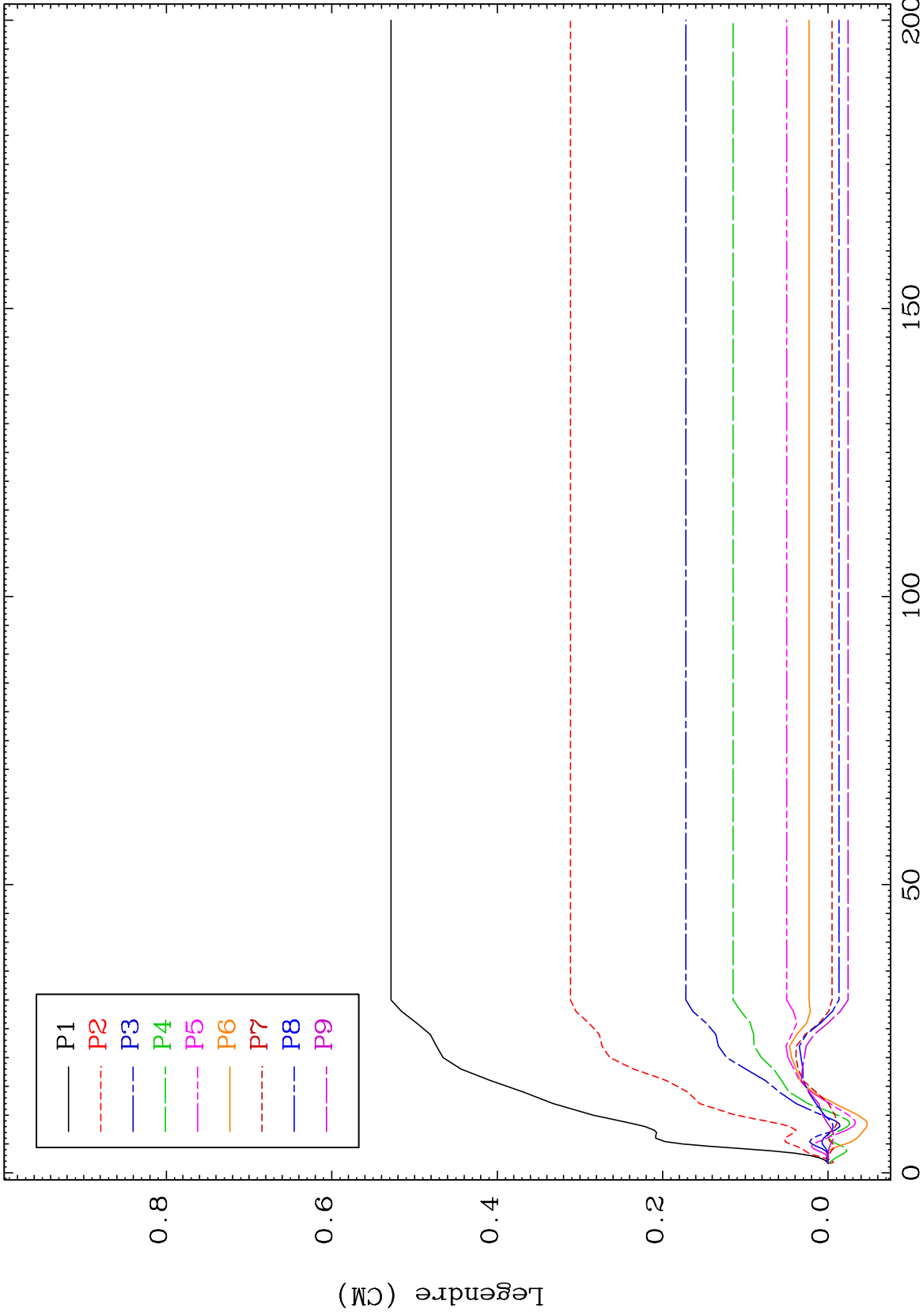
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



97

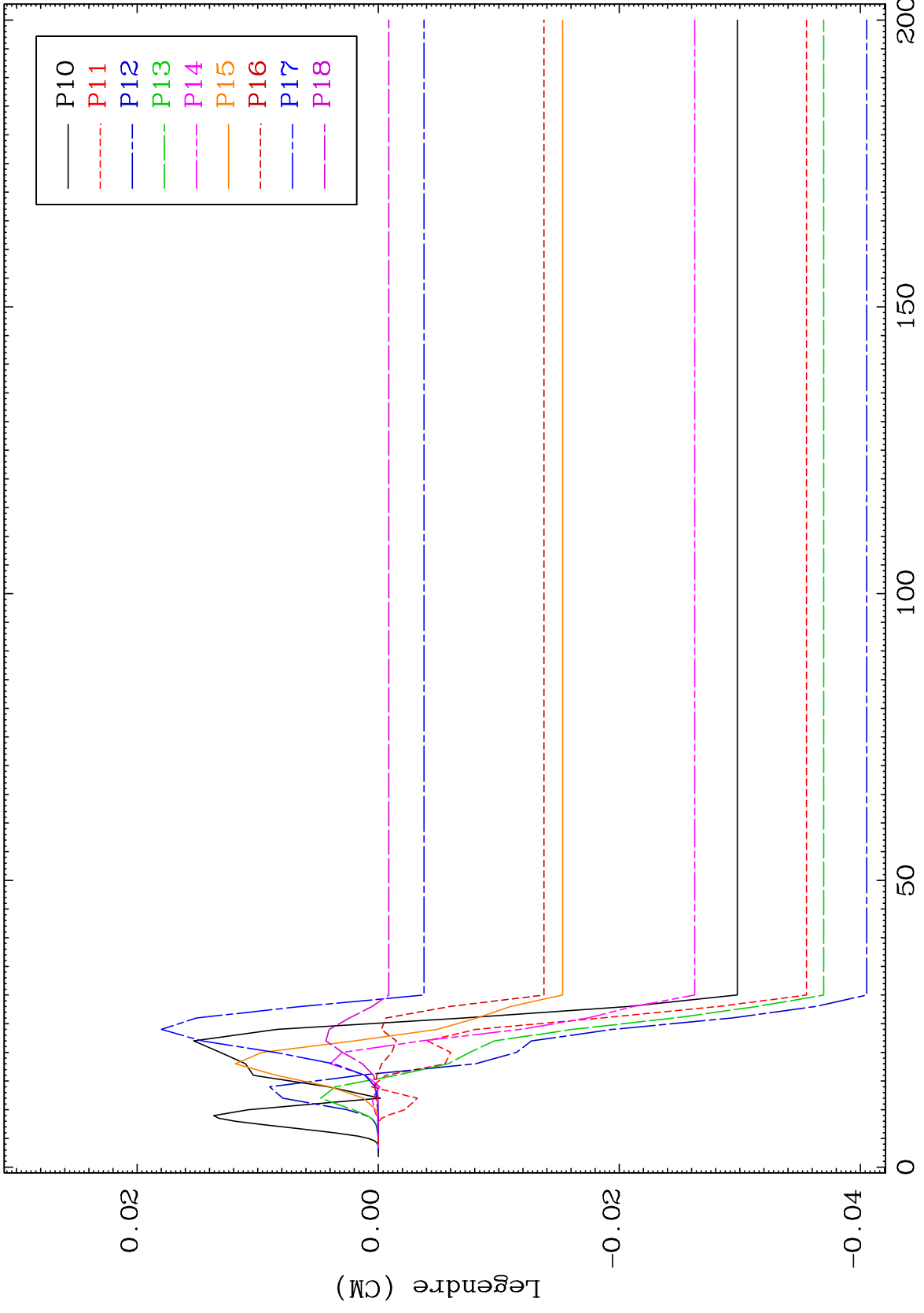
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



98

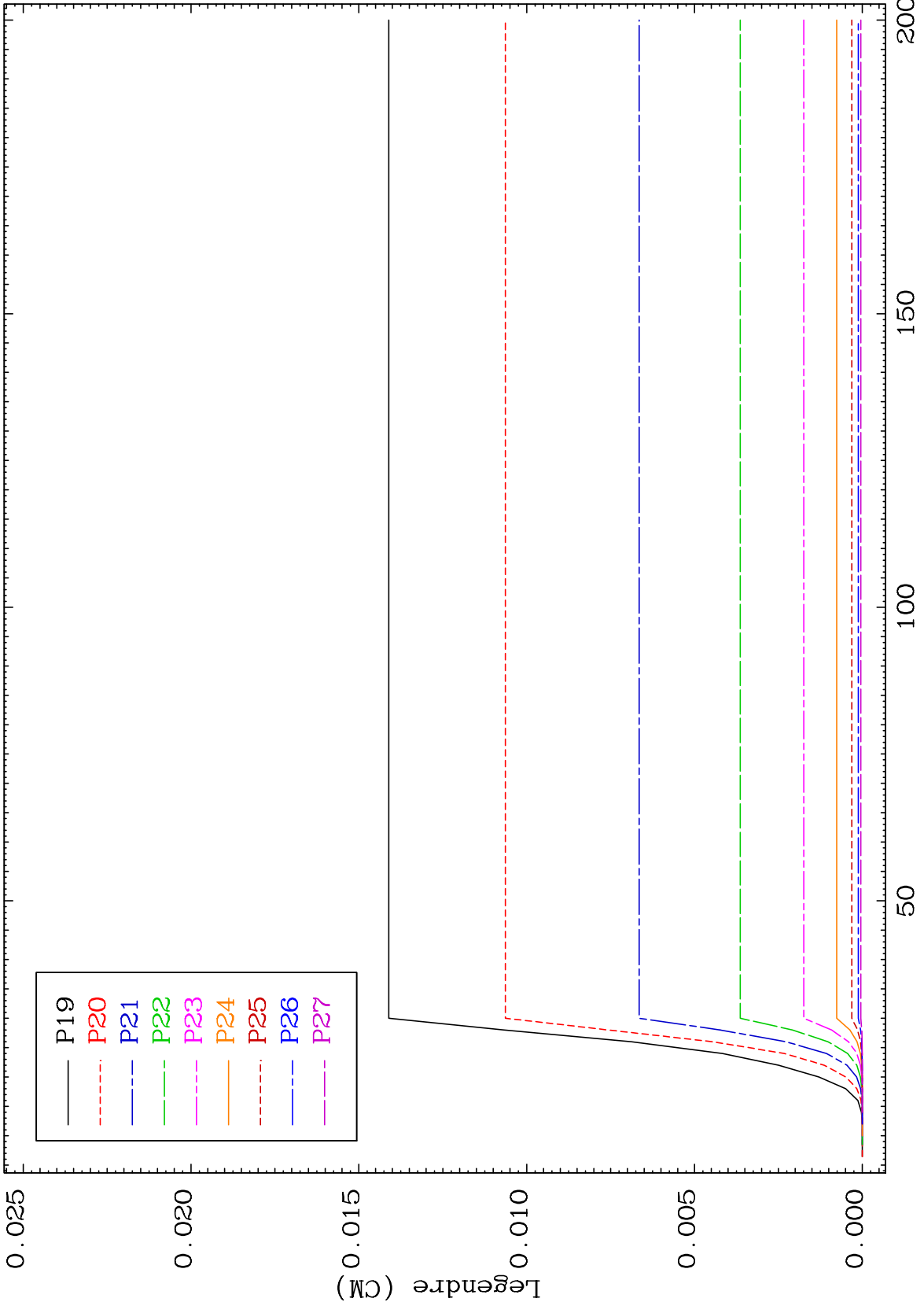
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



99

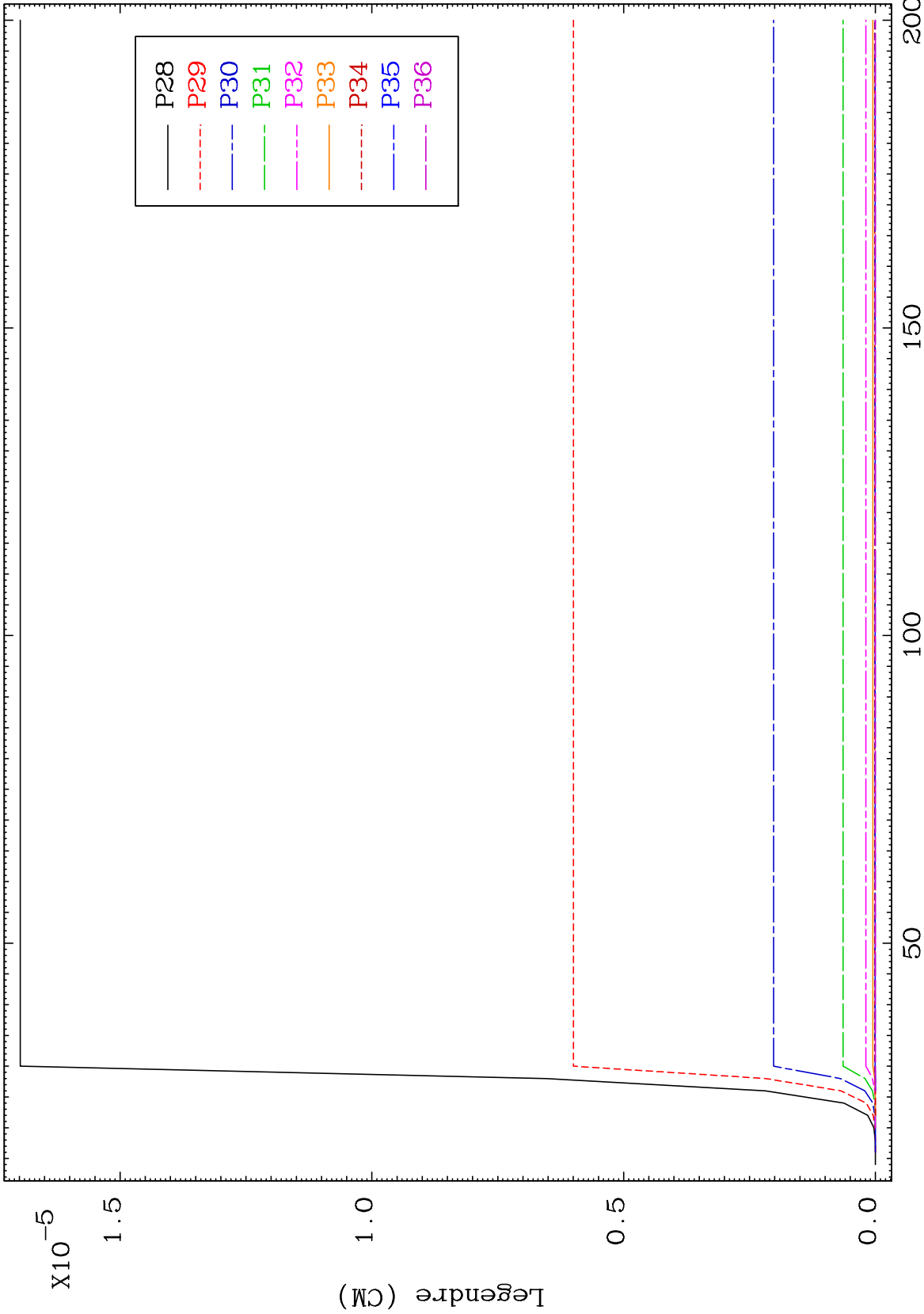
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



100

50

100

150

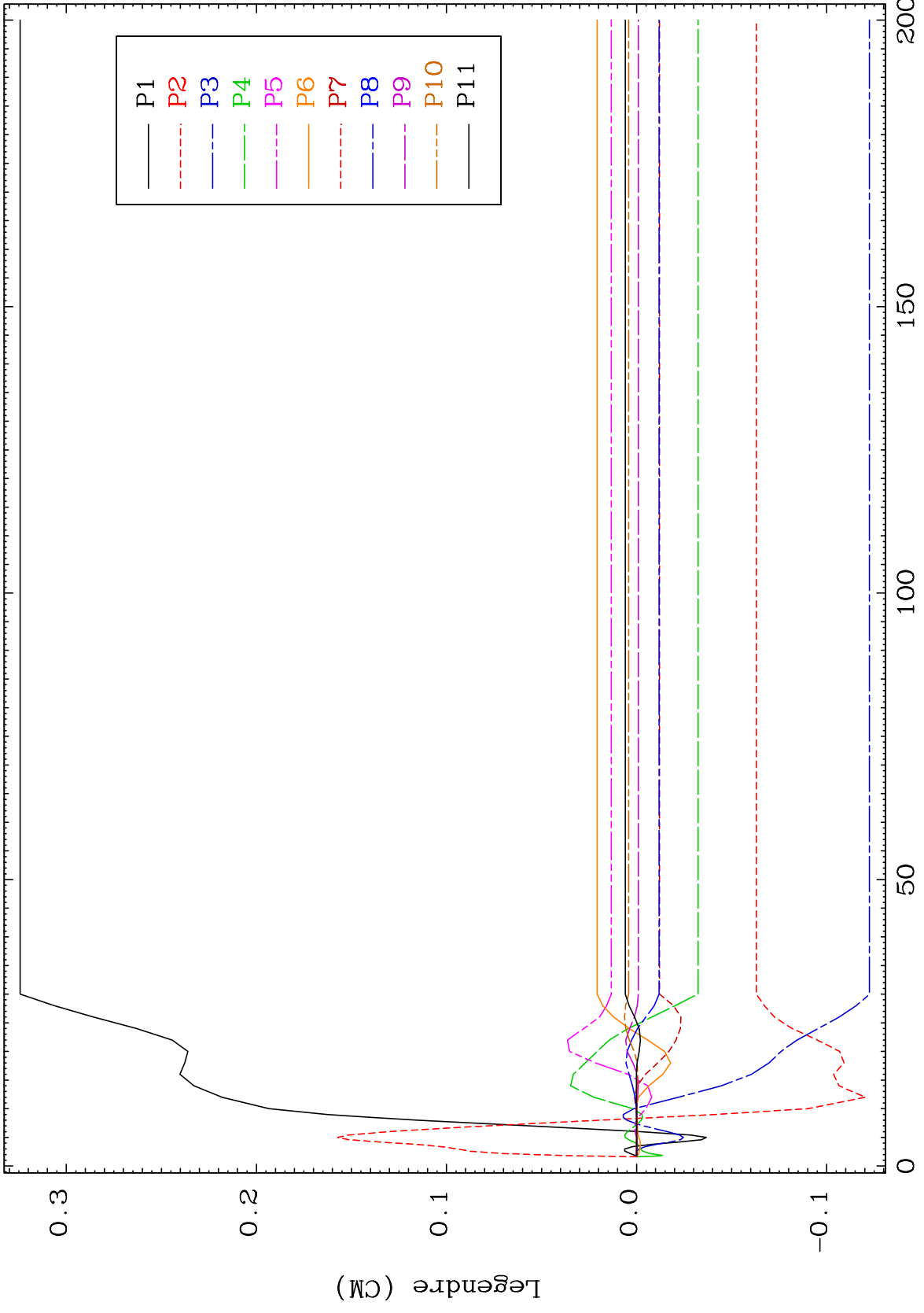
200

70-Yb-166

MAT 7019

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

70-Yb-166



101

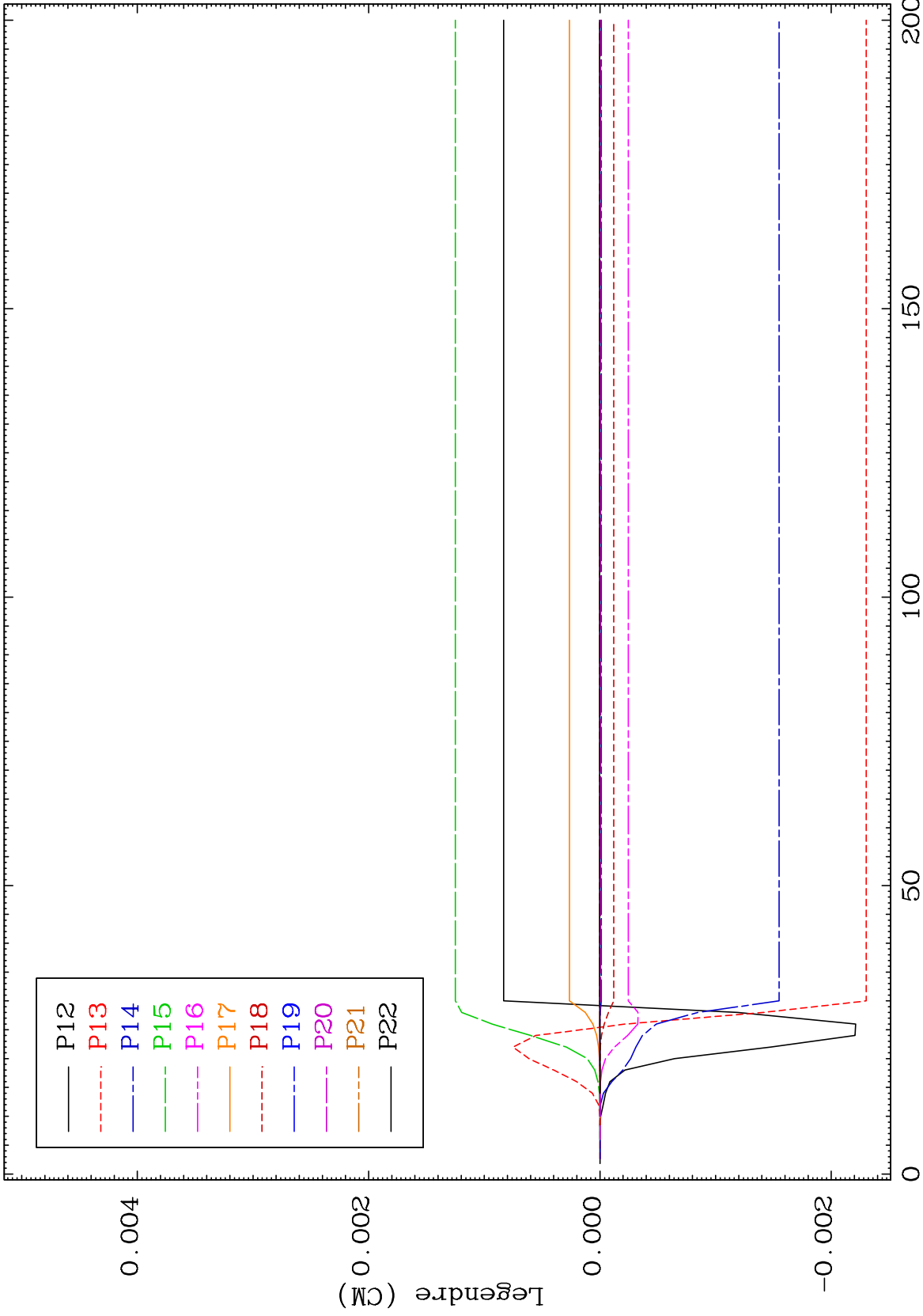
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



102

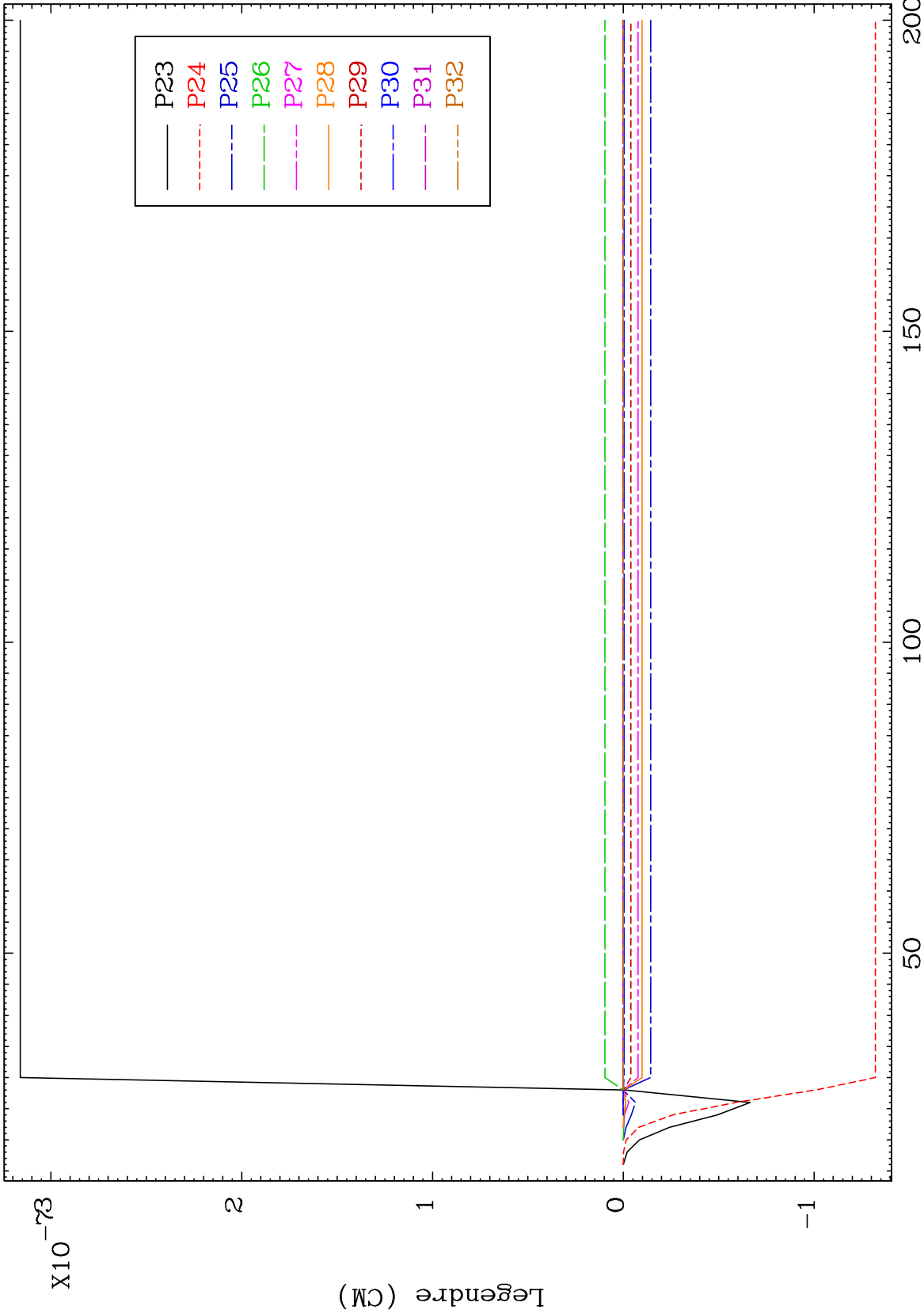
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

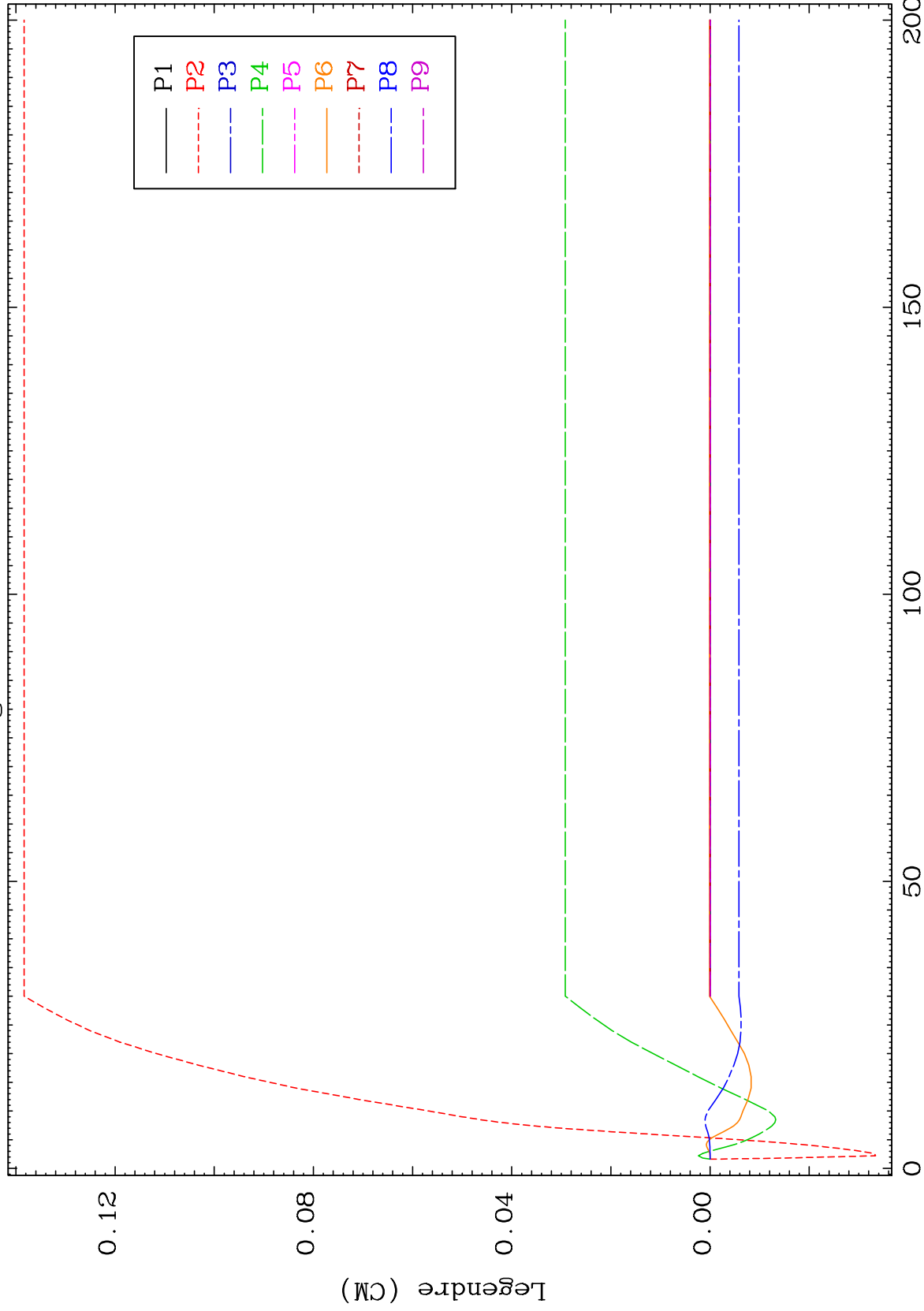
70-Yb-166



103

70-Yb-166

MAT 7019 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-166

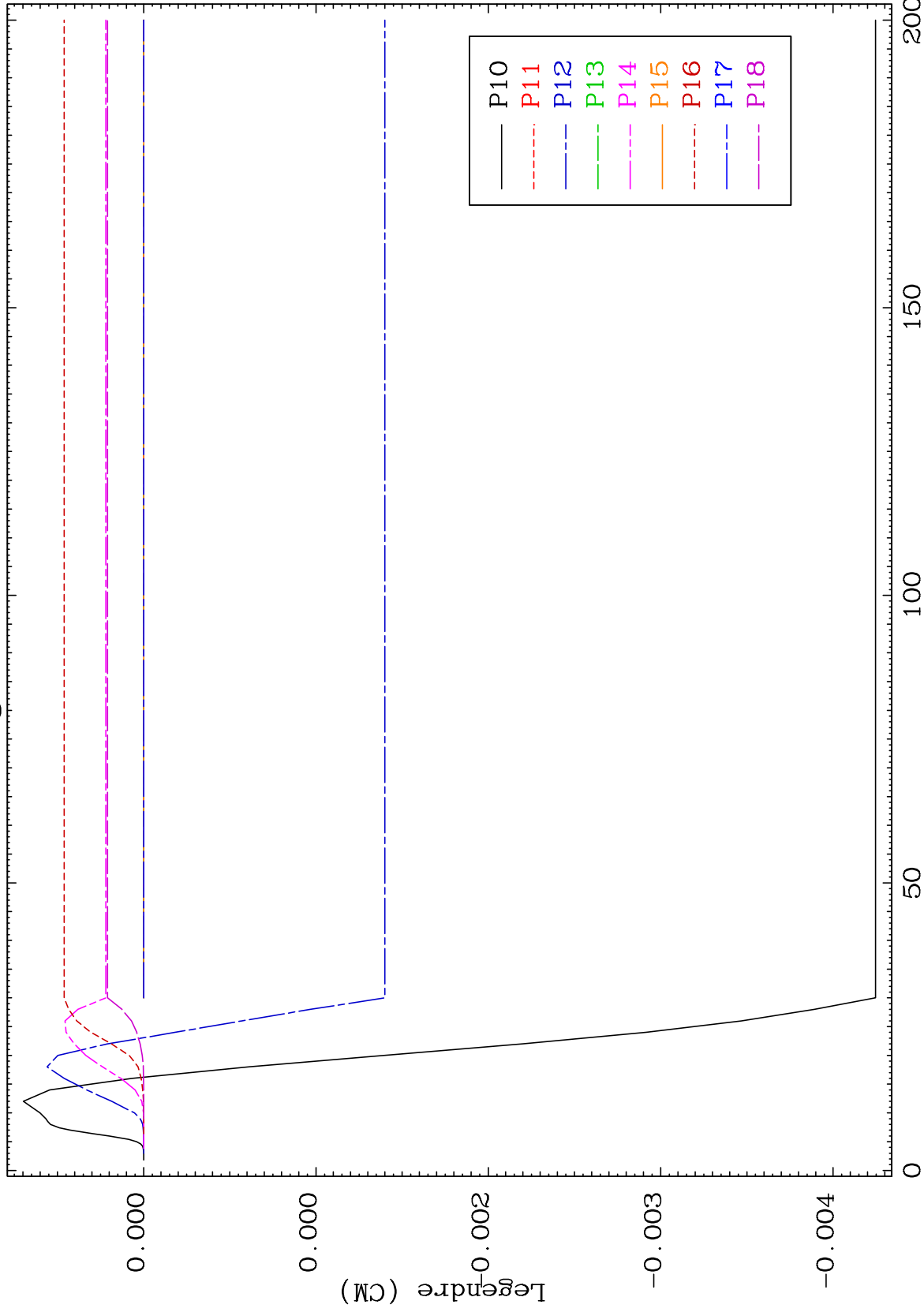


104 70-Yb-166

MAT 7019

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

70-Yb-166

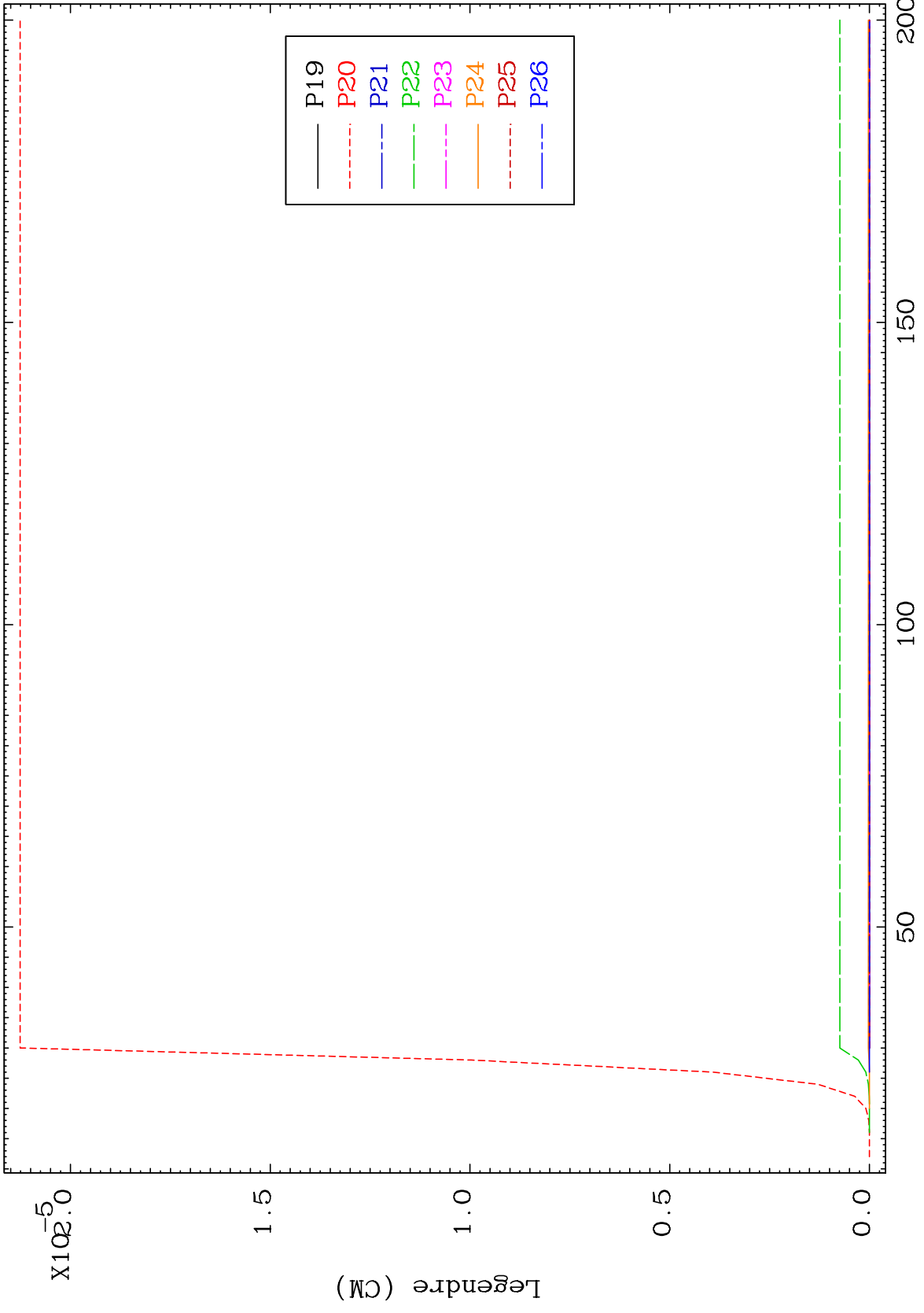


105

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-166

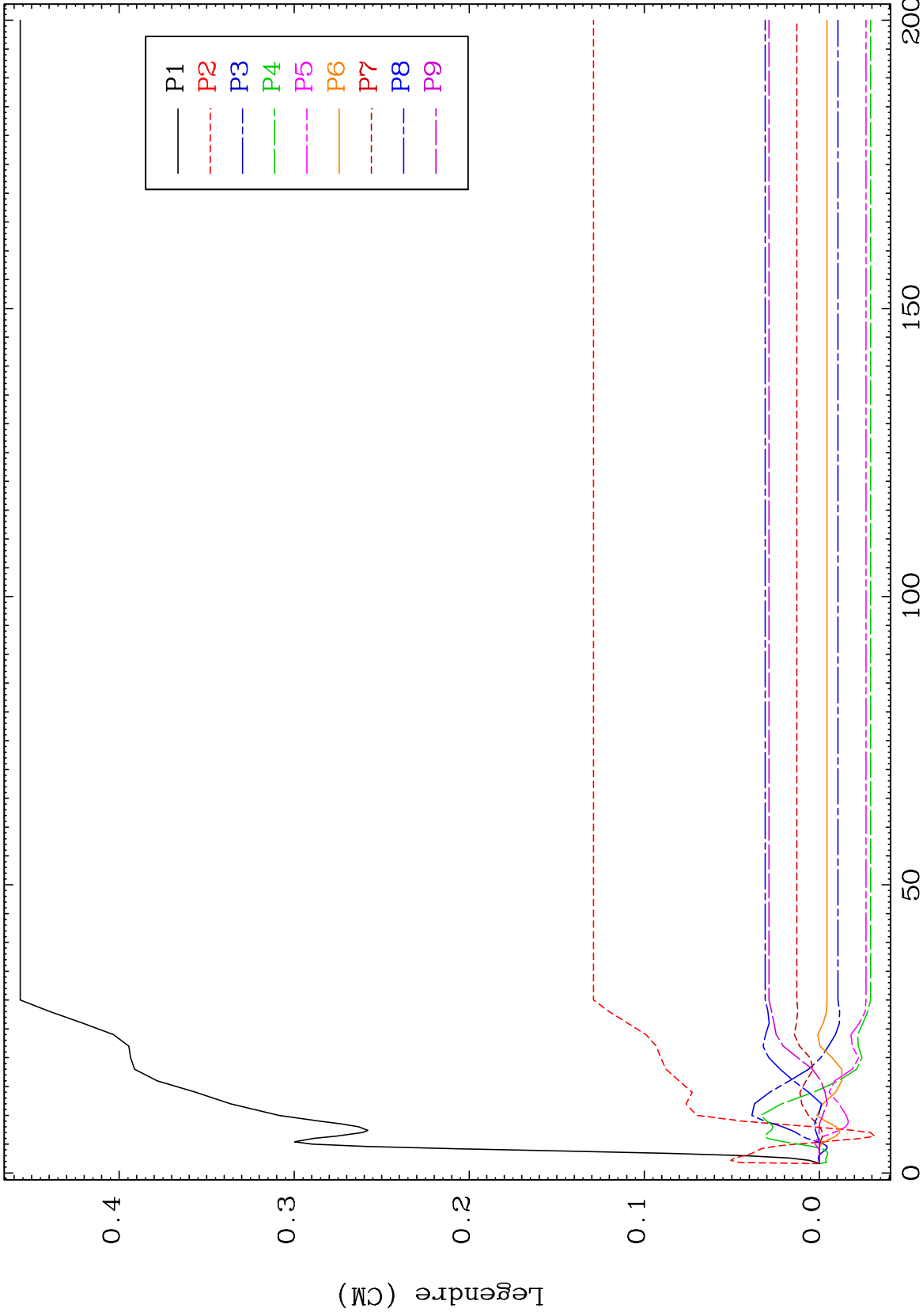


106 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



107

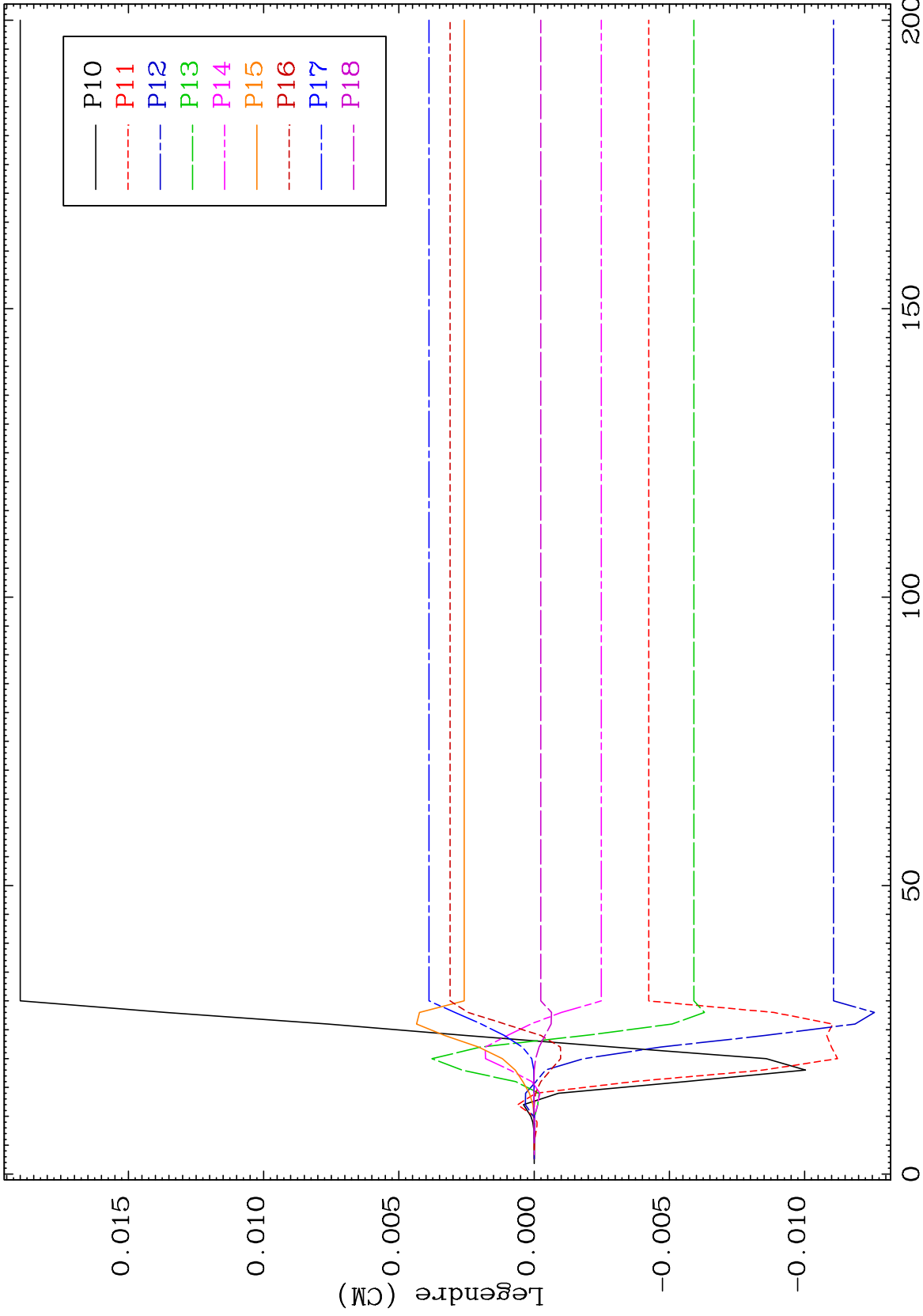
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

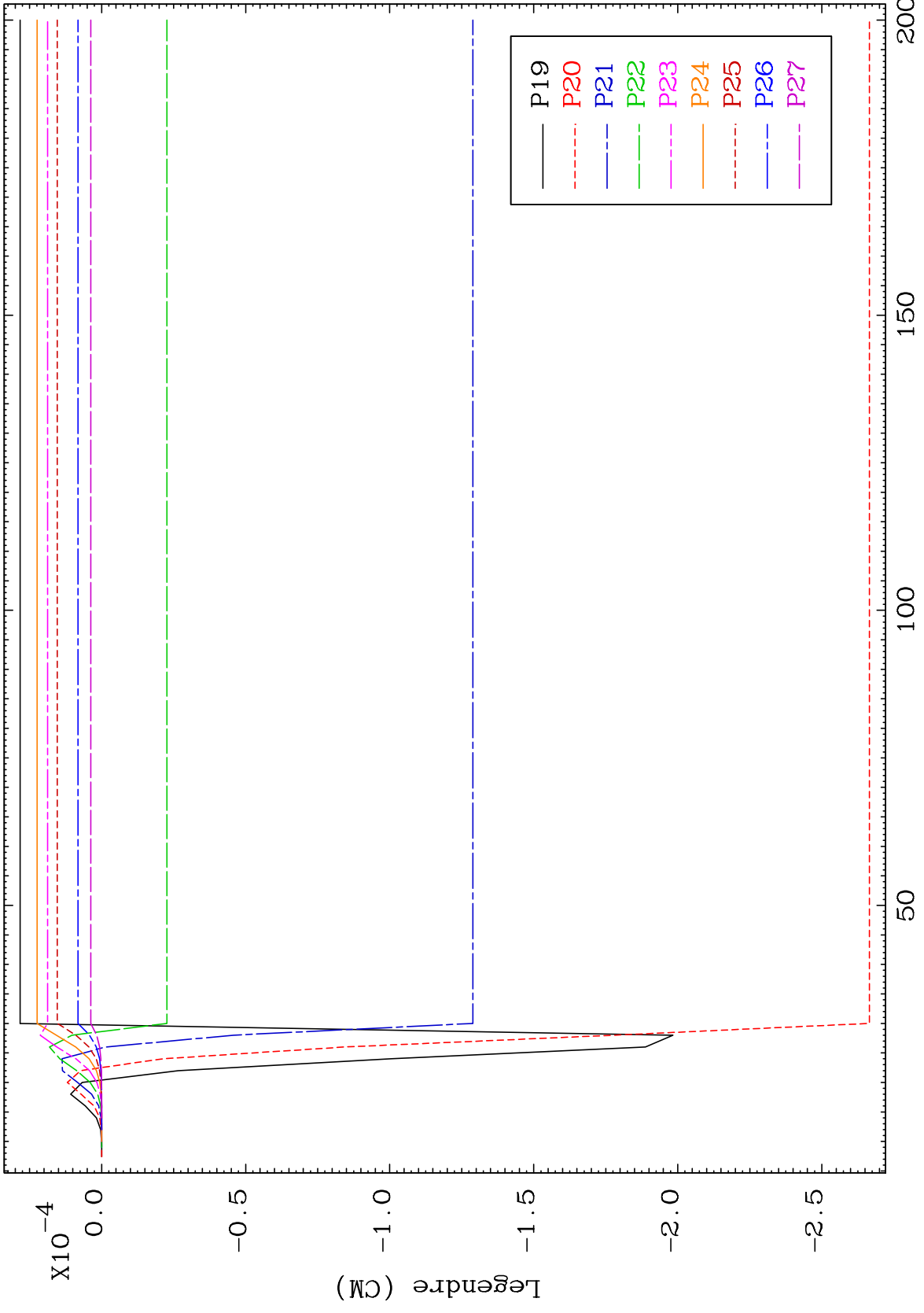
70-Yb-166



108

Incident Energy (MeV)

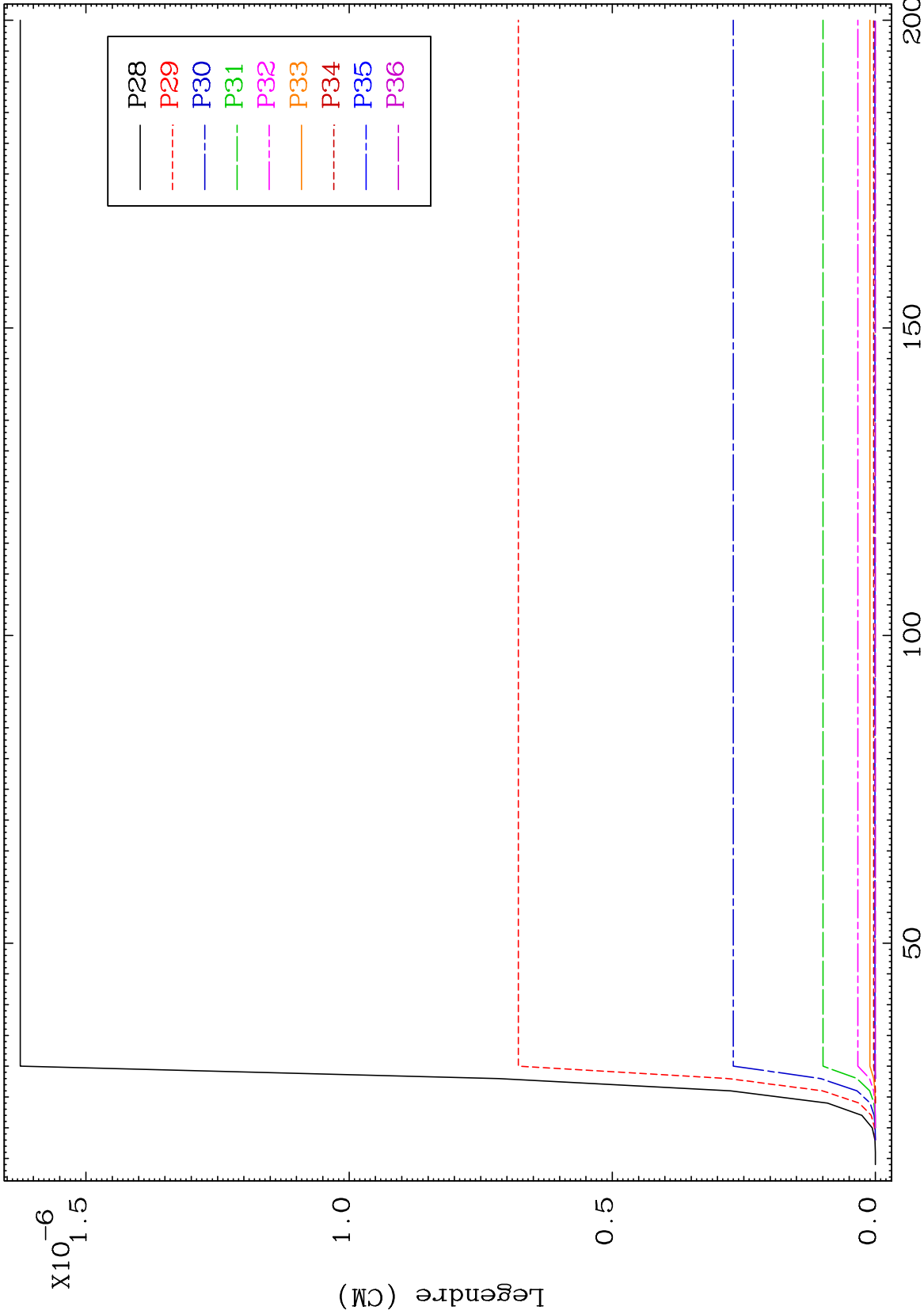
70-Yb-166



MAT 7019

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

70-Yb-166

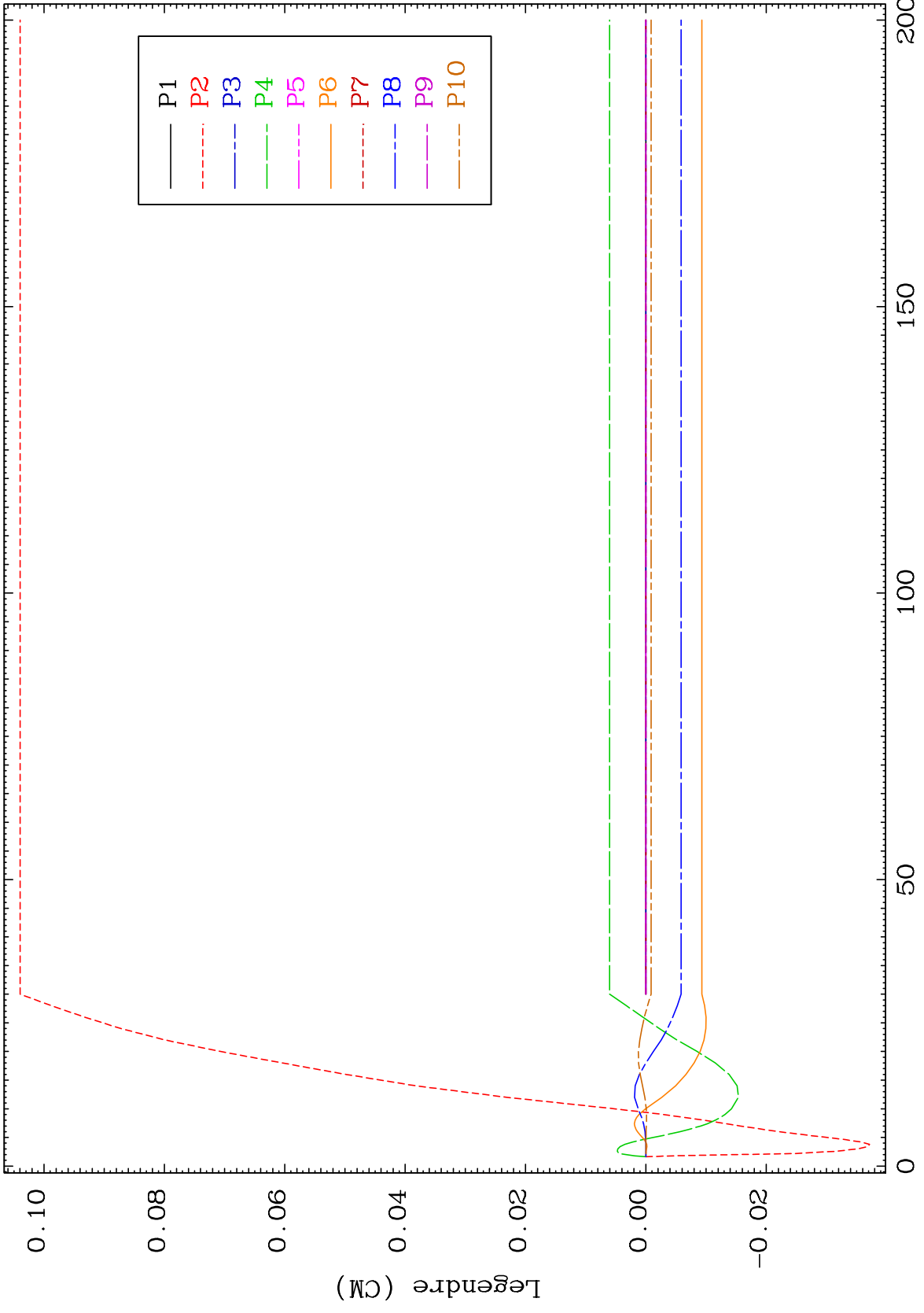


110

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-166

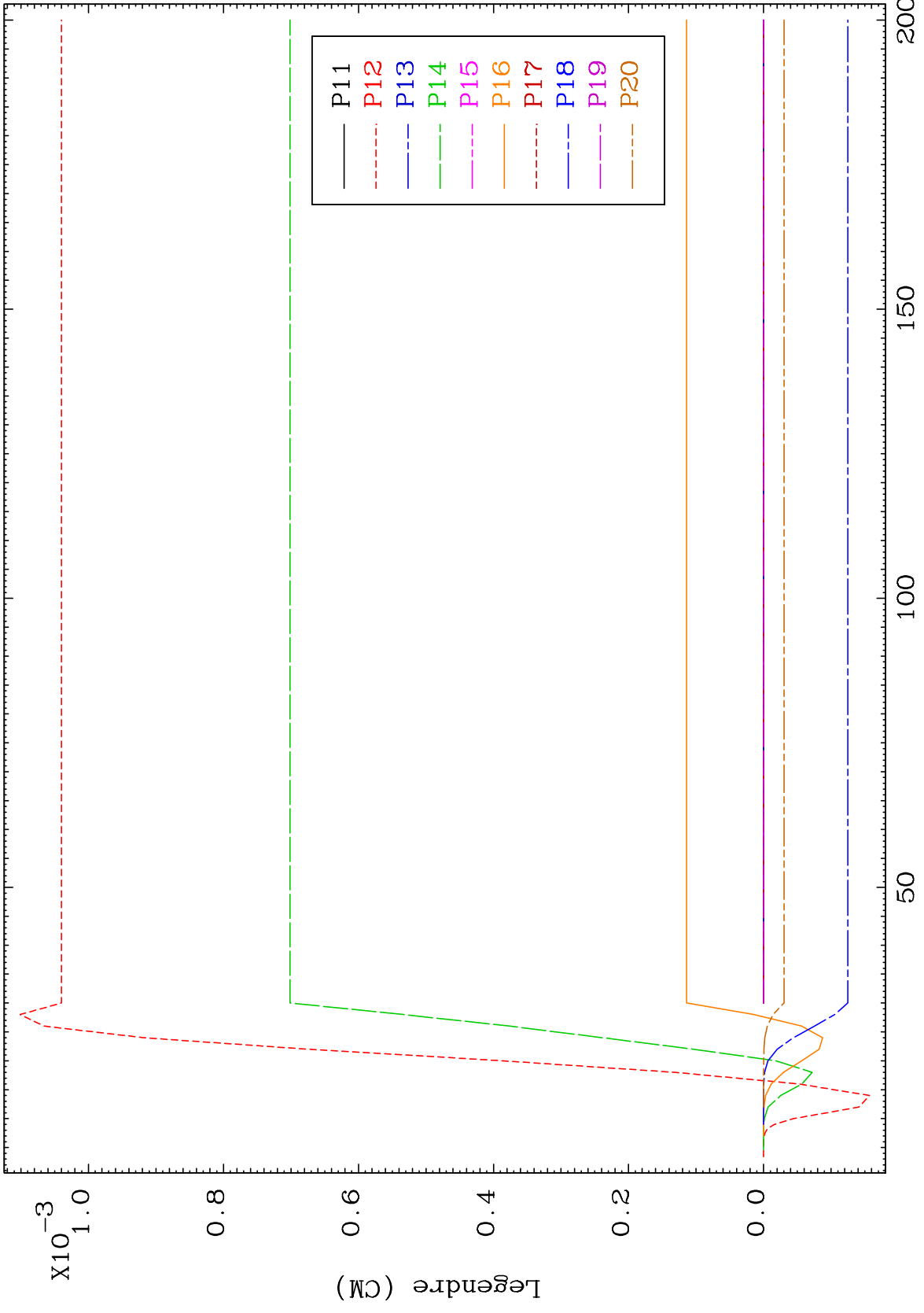


111 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166

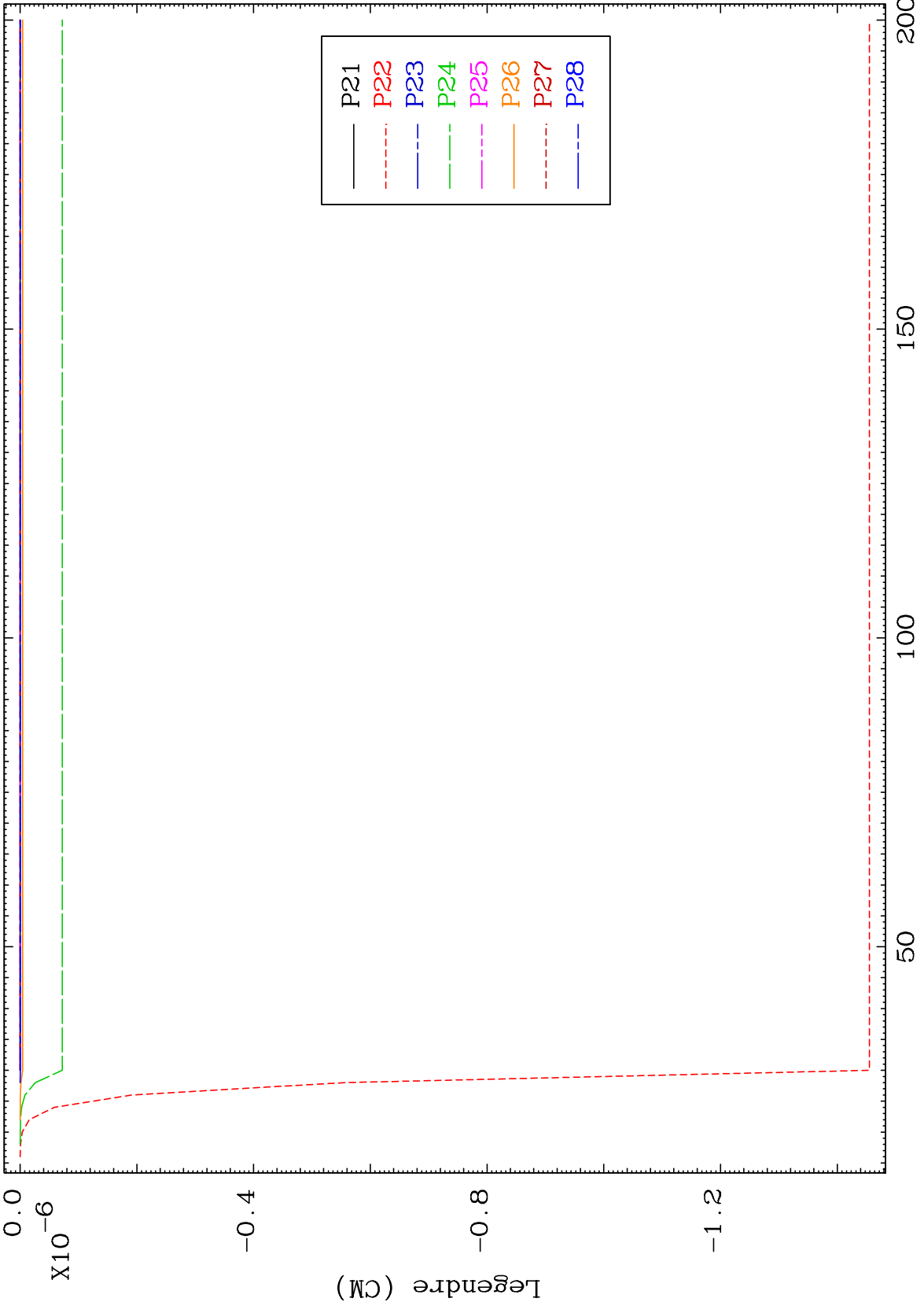


112

Incident Energy (MeV)

70-Yb-166

MAT 7019 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-166

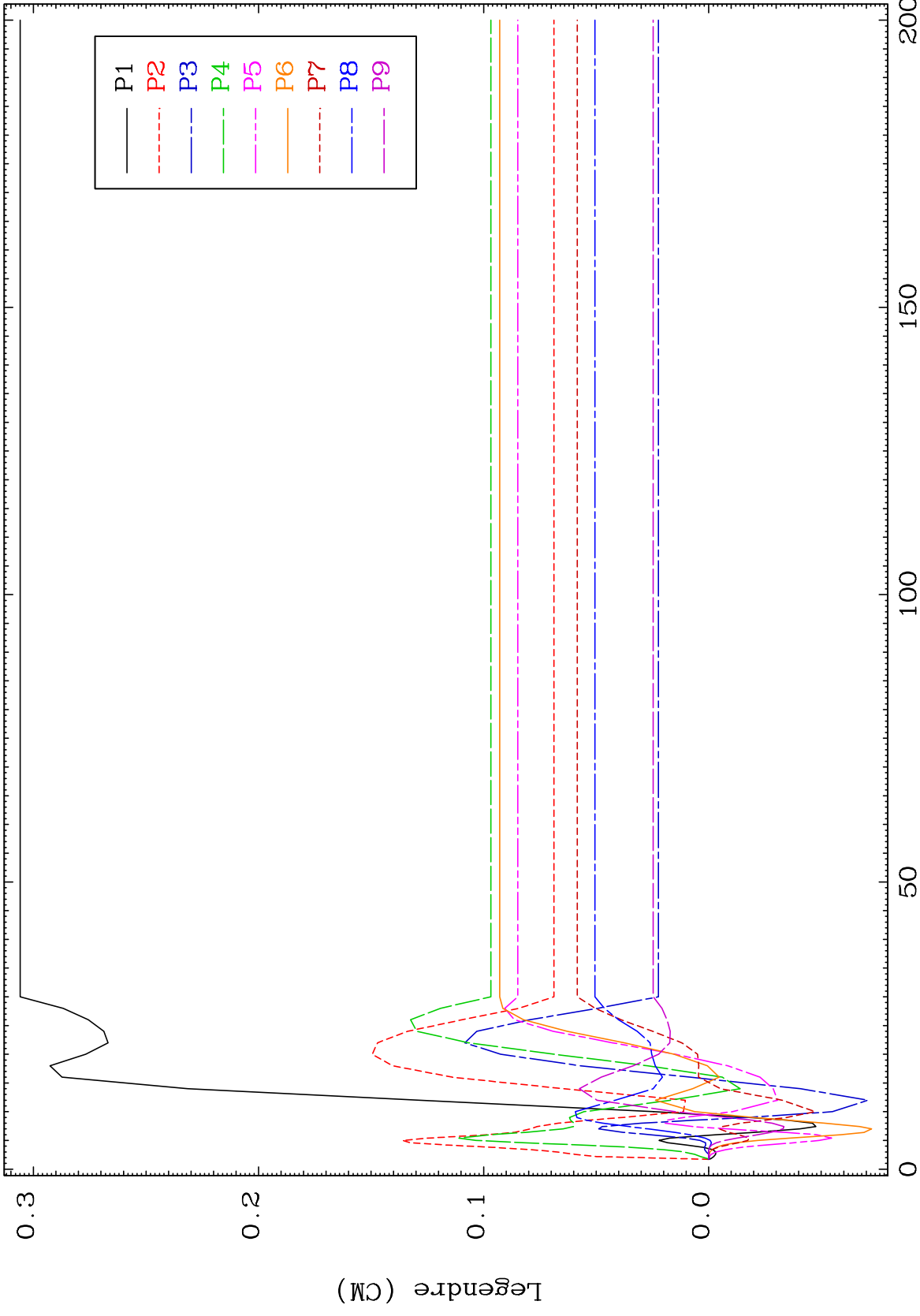


113 Incident Energy (MeV) 70-Yb-166

MAT 7019

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

70-Yb-166



70-Yb-166

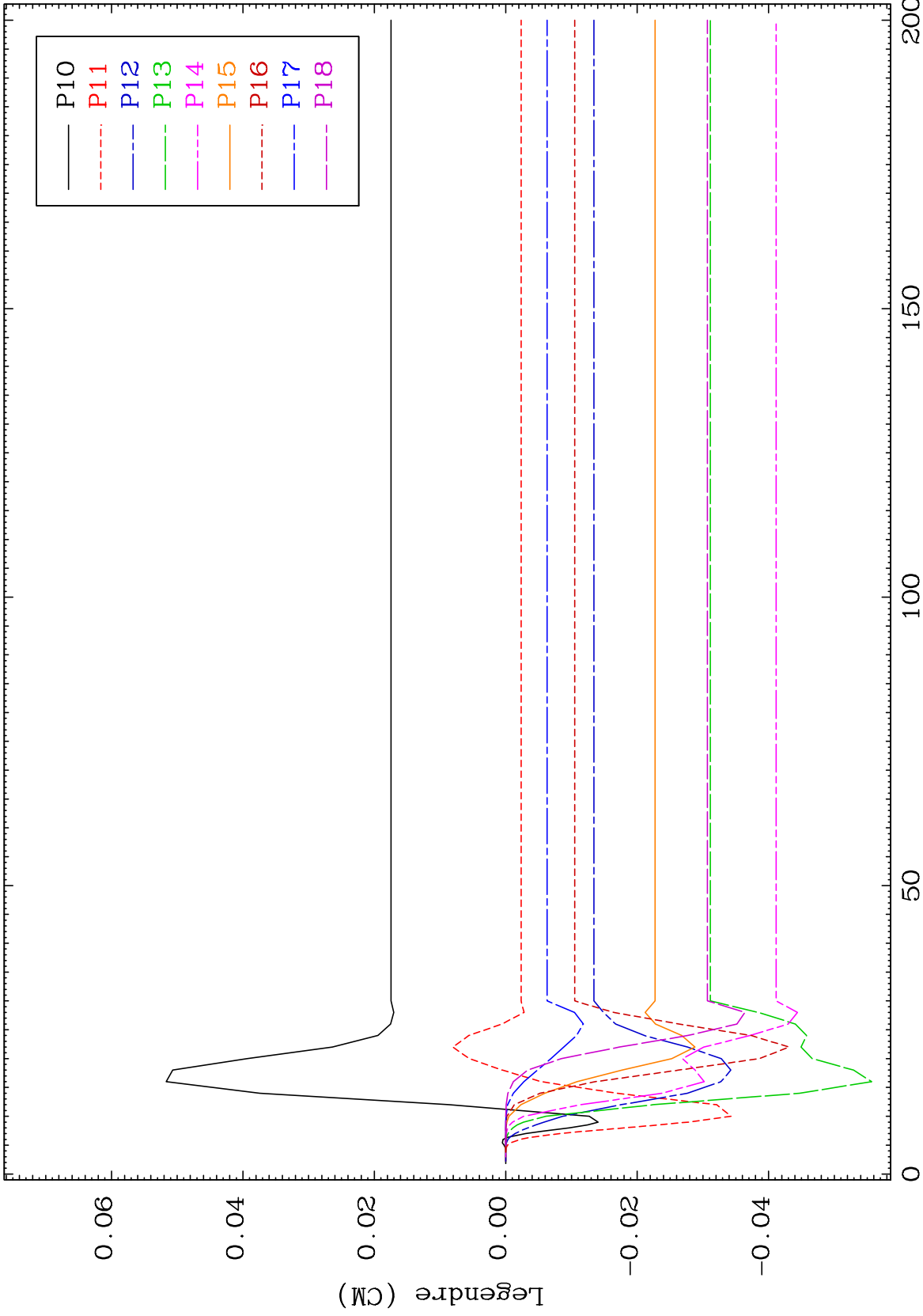
Incident Energy (MeV)

114

MAT 7019

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

70-Yb-166



115

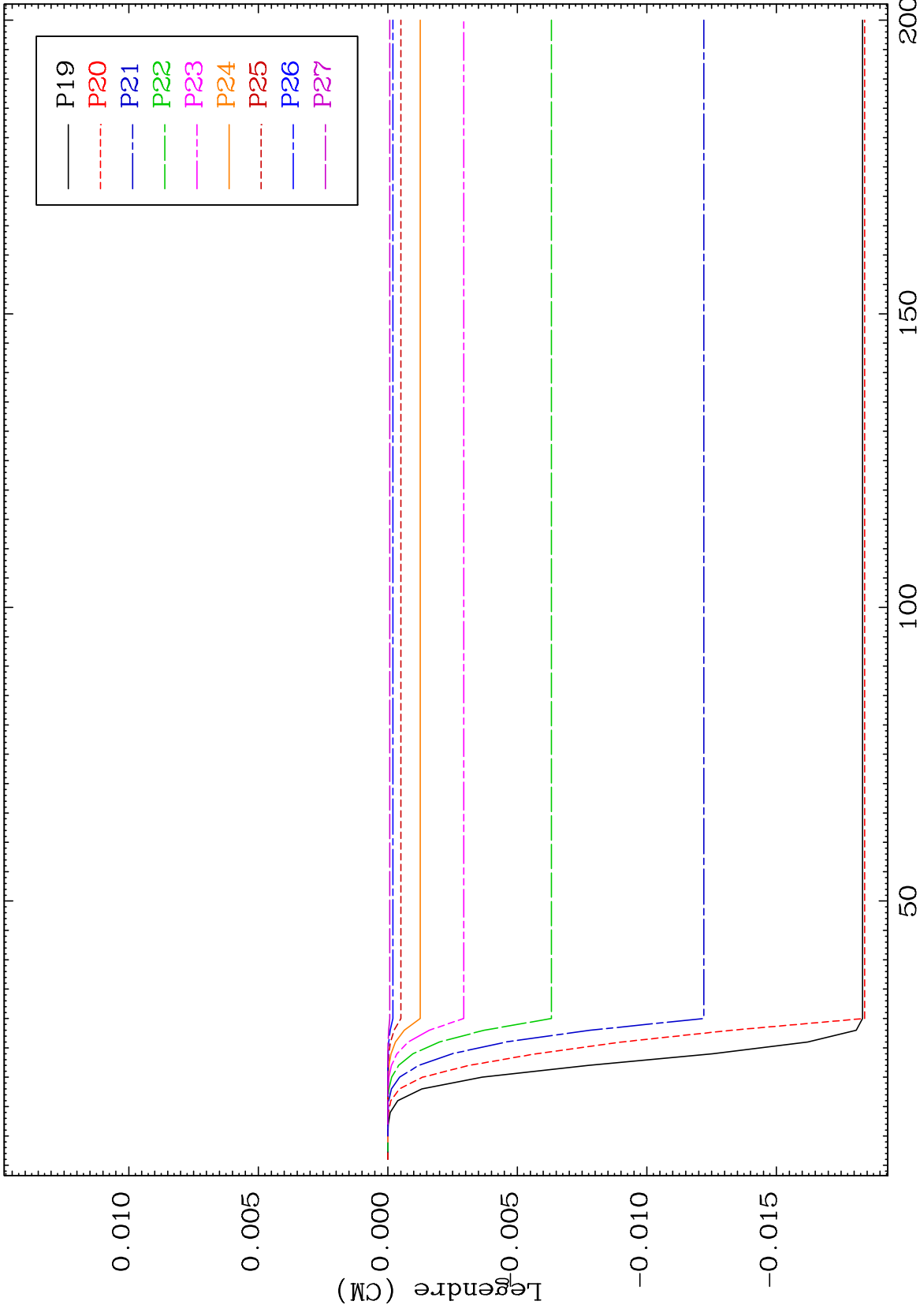
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

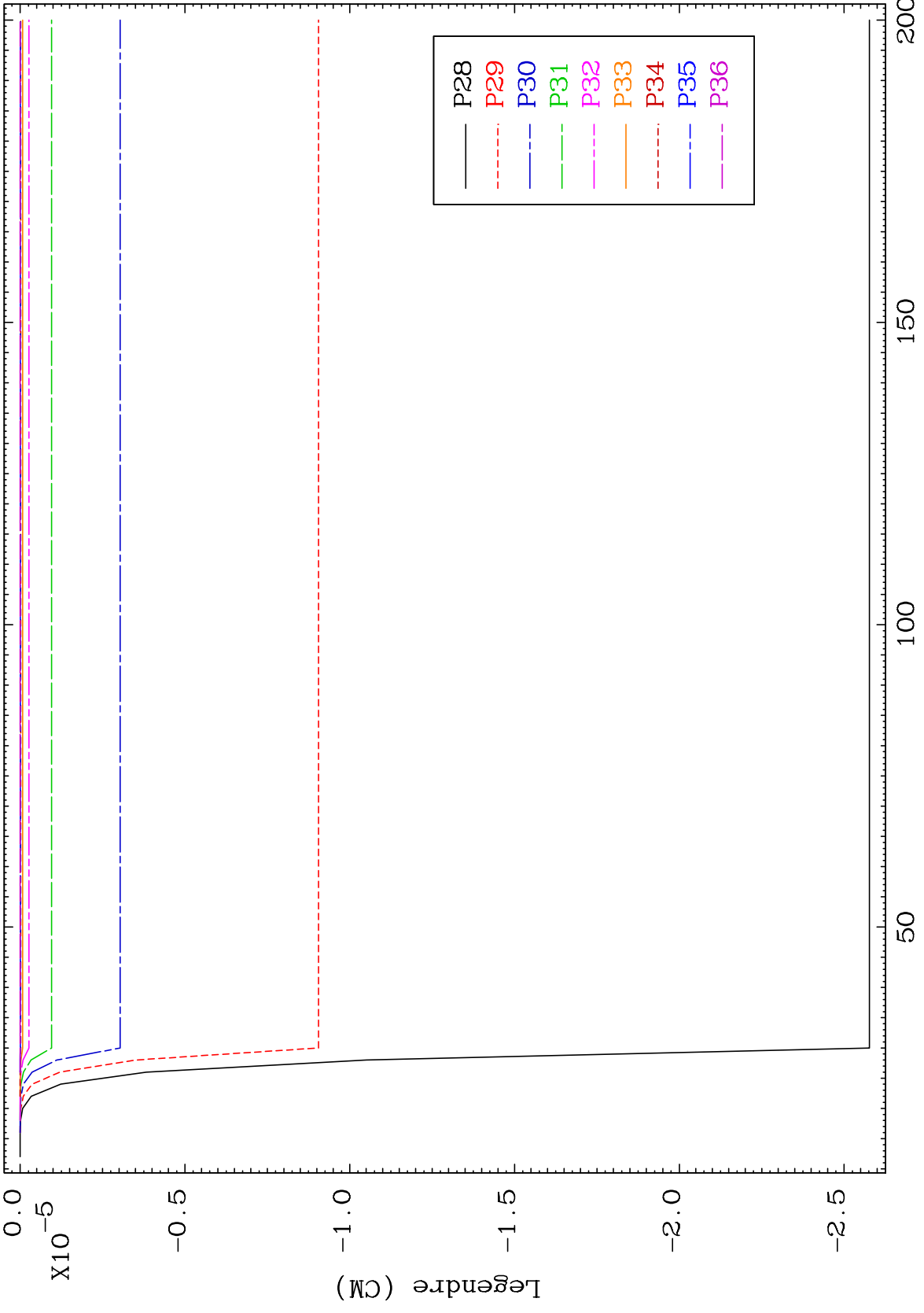


116

Incident Energy (MeV)

70-Yb-166

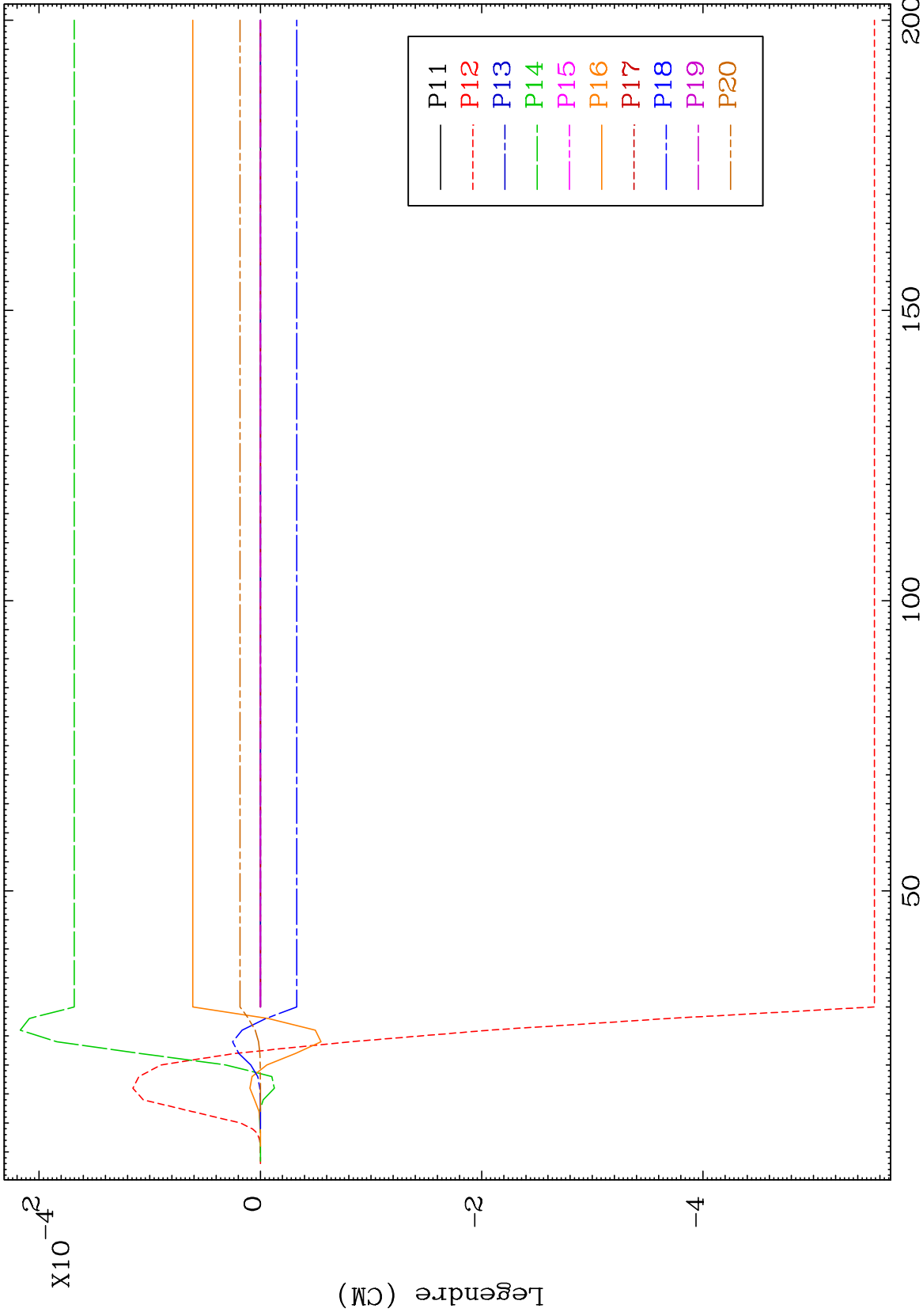
MAT 7019 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-166



MAT 7019

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

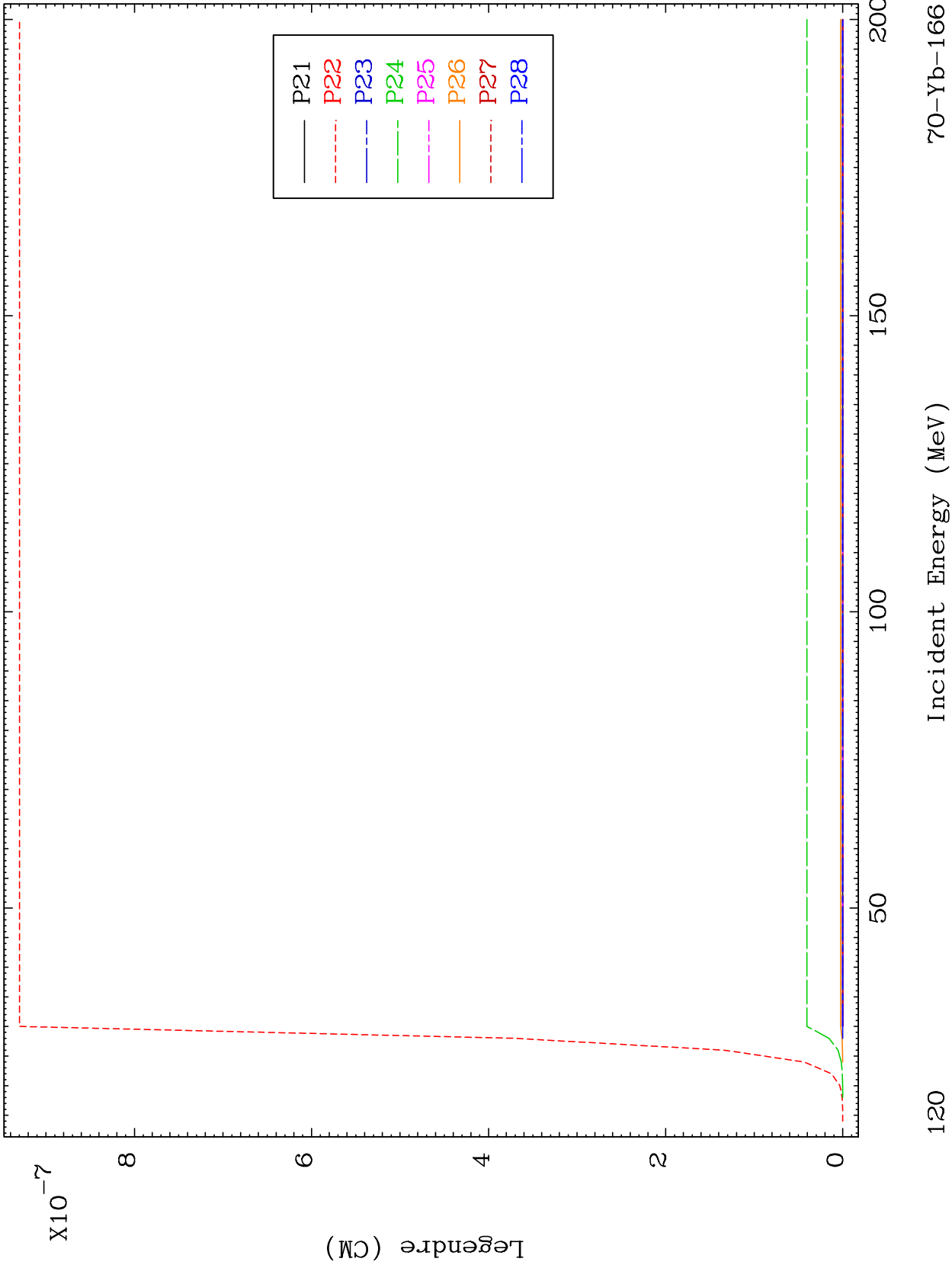
70-Yb-166



119

70-Yb-166

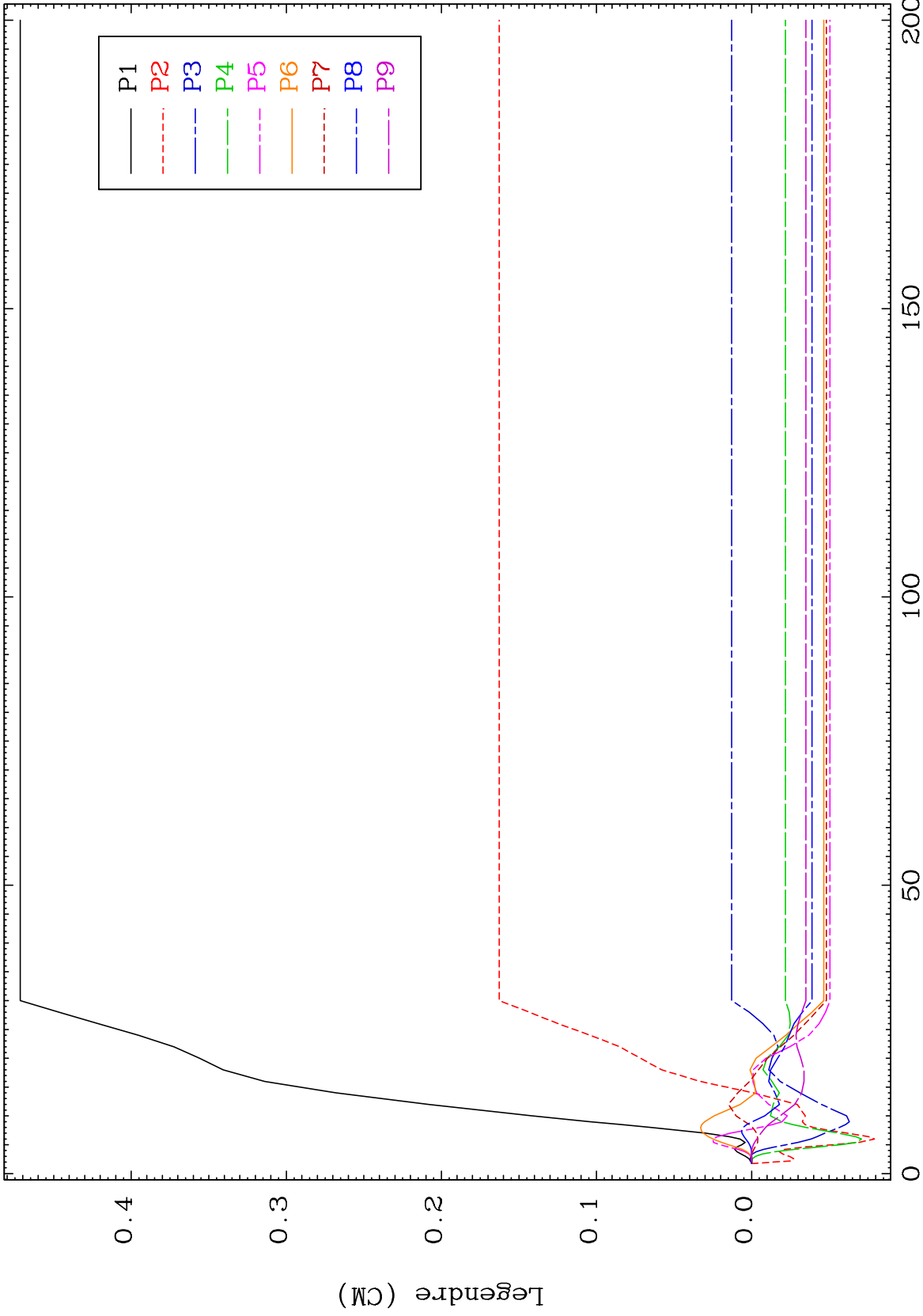
MAT 7019 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-166



MAT 7019

MT= 79 (n,n') Level
Legendre Coefficients

70-Yb-166



121

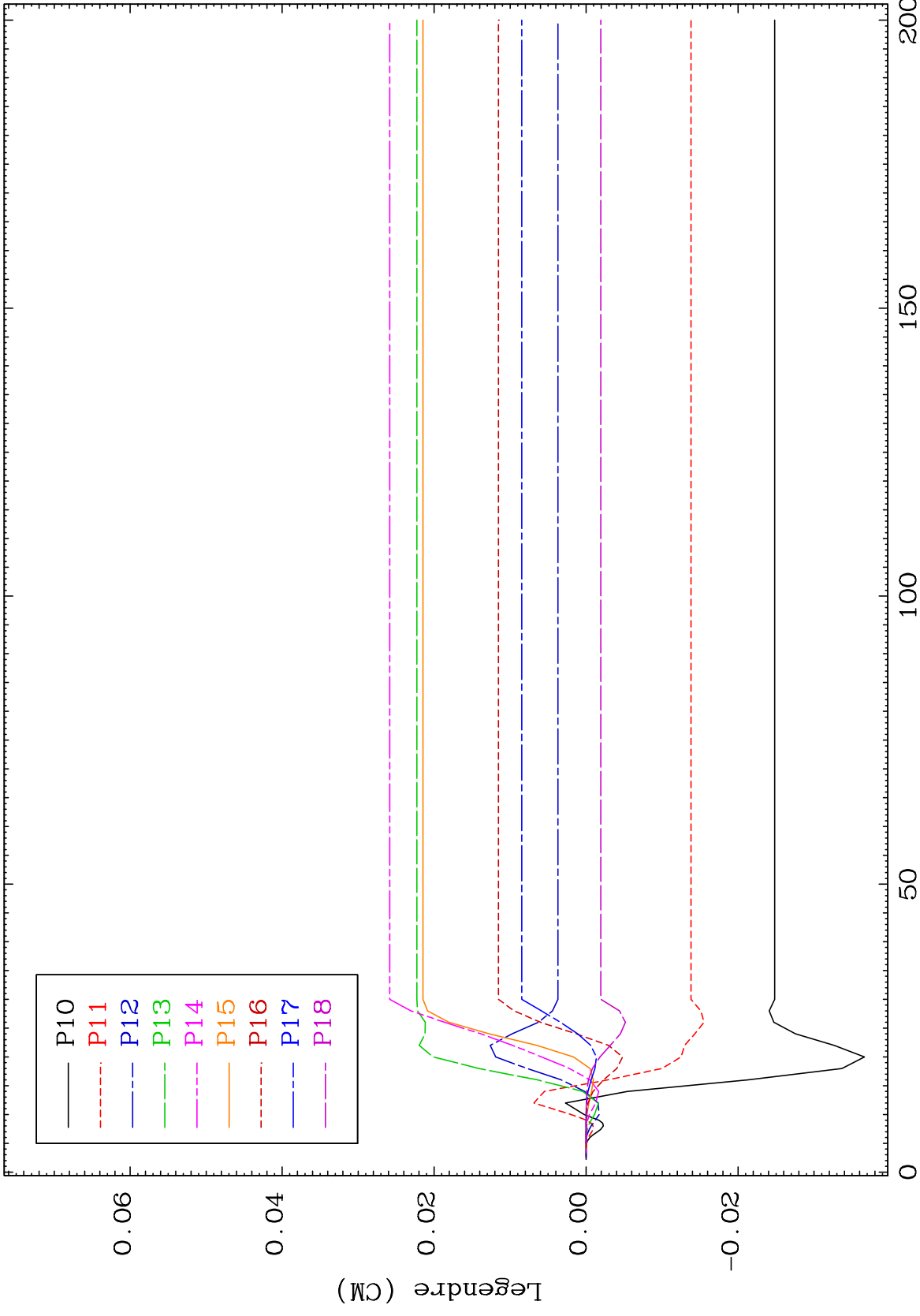
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 79 (n,n') Level
Legendre Coefficients

70-Yb-166



122

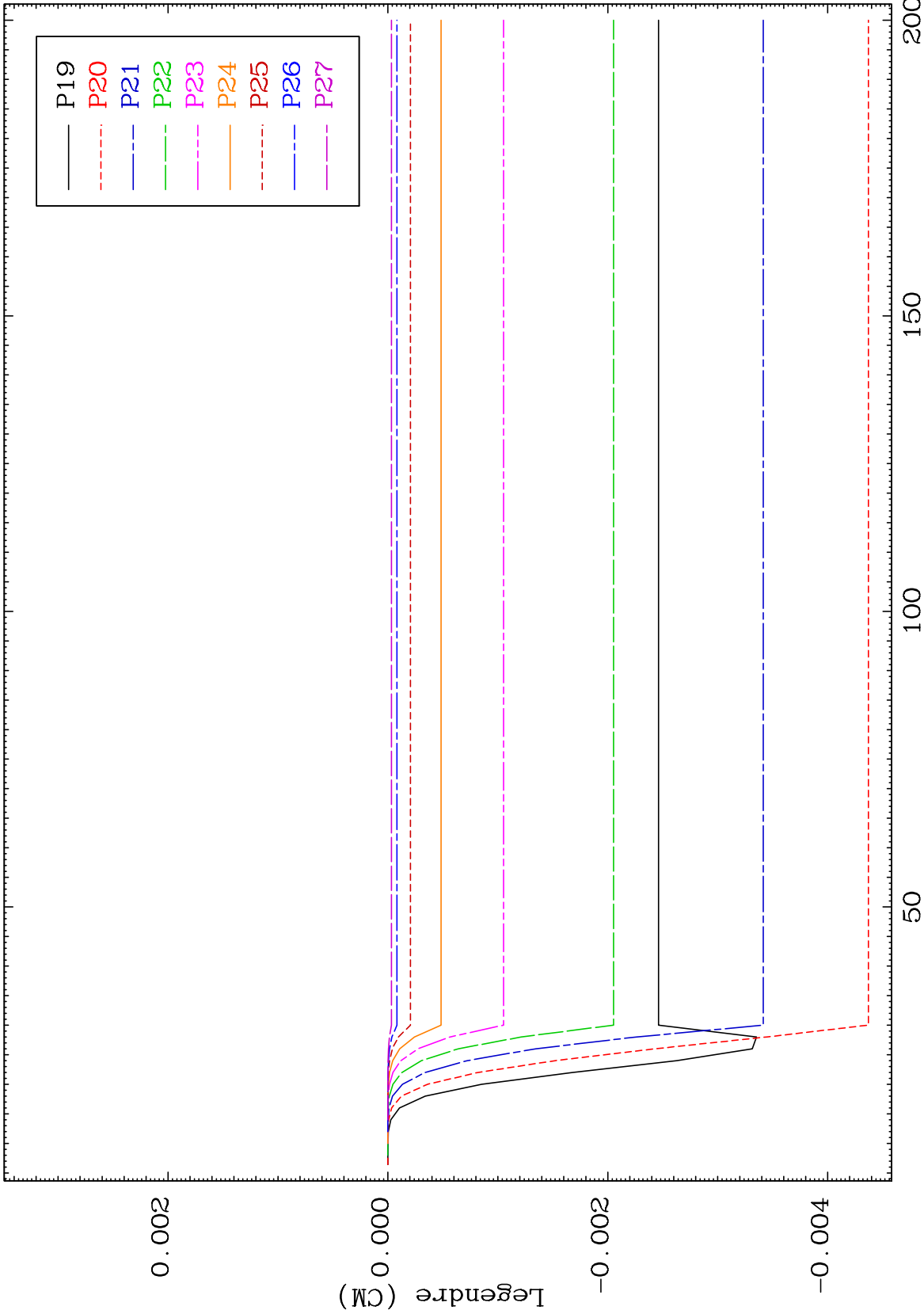
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 79 (n,n') Level
Legendre Coefficients

70-Yb-166

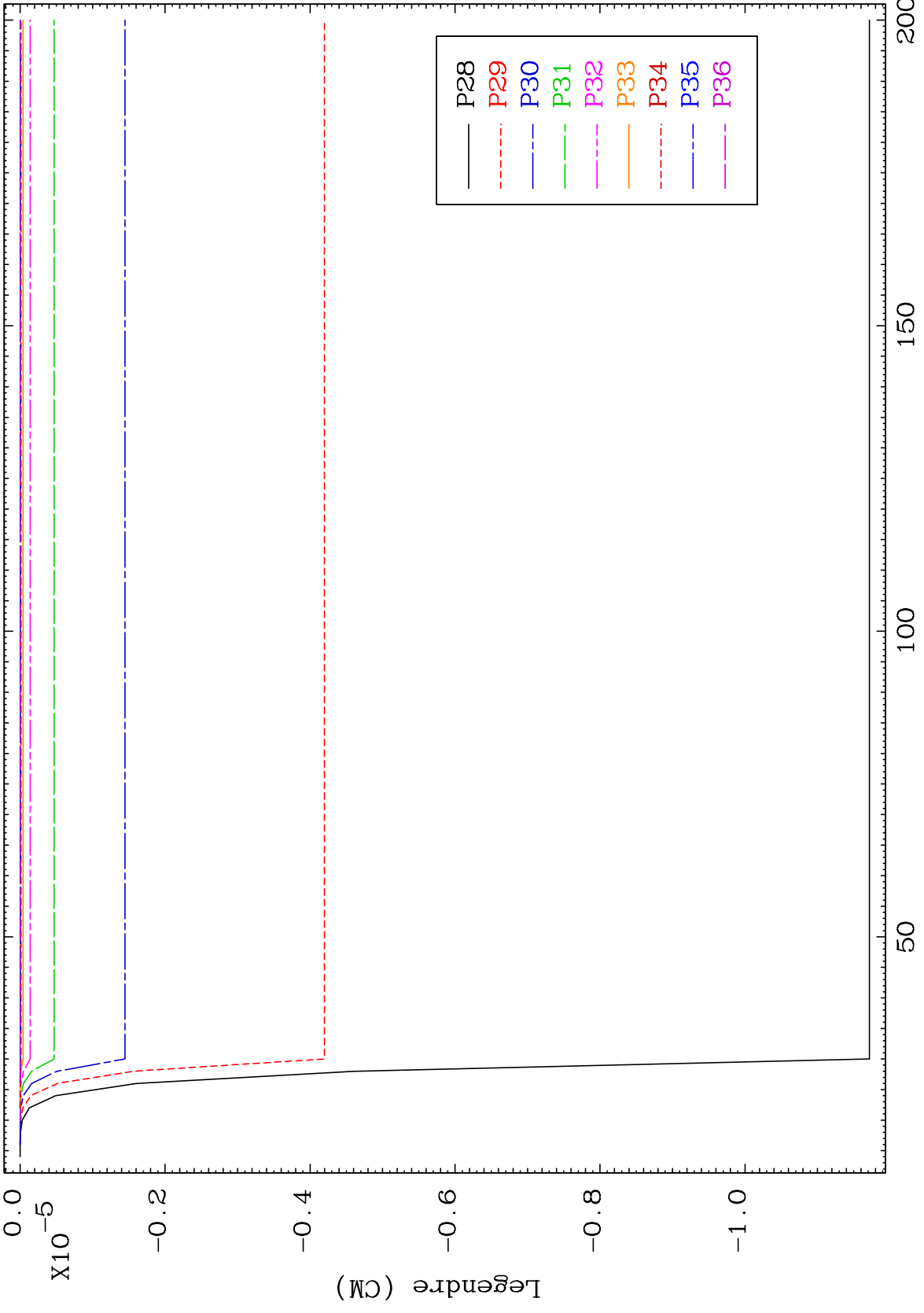


123

Incident Energy (MeV)

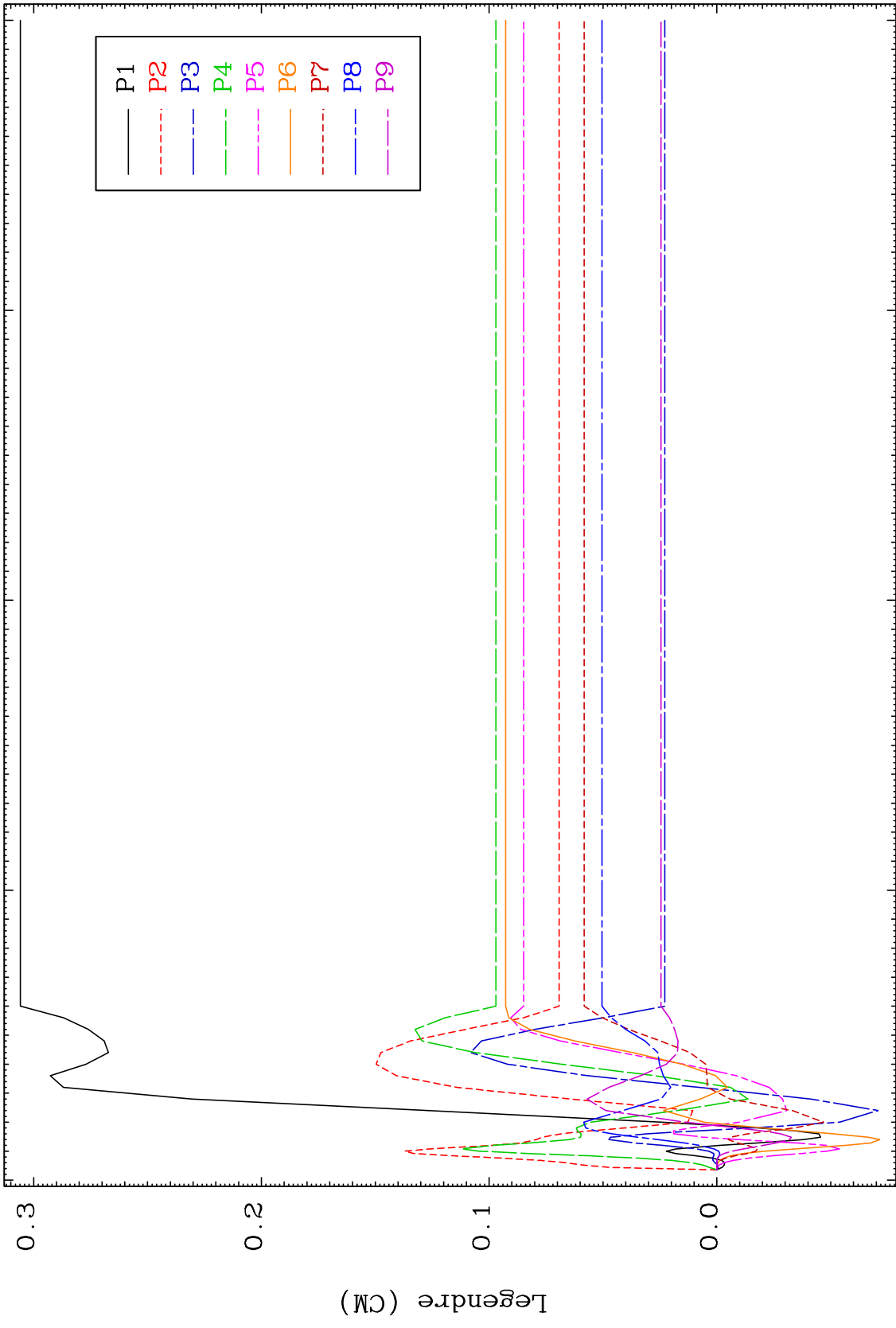
70-Yb-166

MAT 7019 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-166



124 70-Yb-166

MAT 7019 MT= 80 (n,n') Level Legendre Coefficients 70-Yb-166

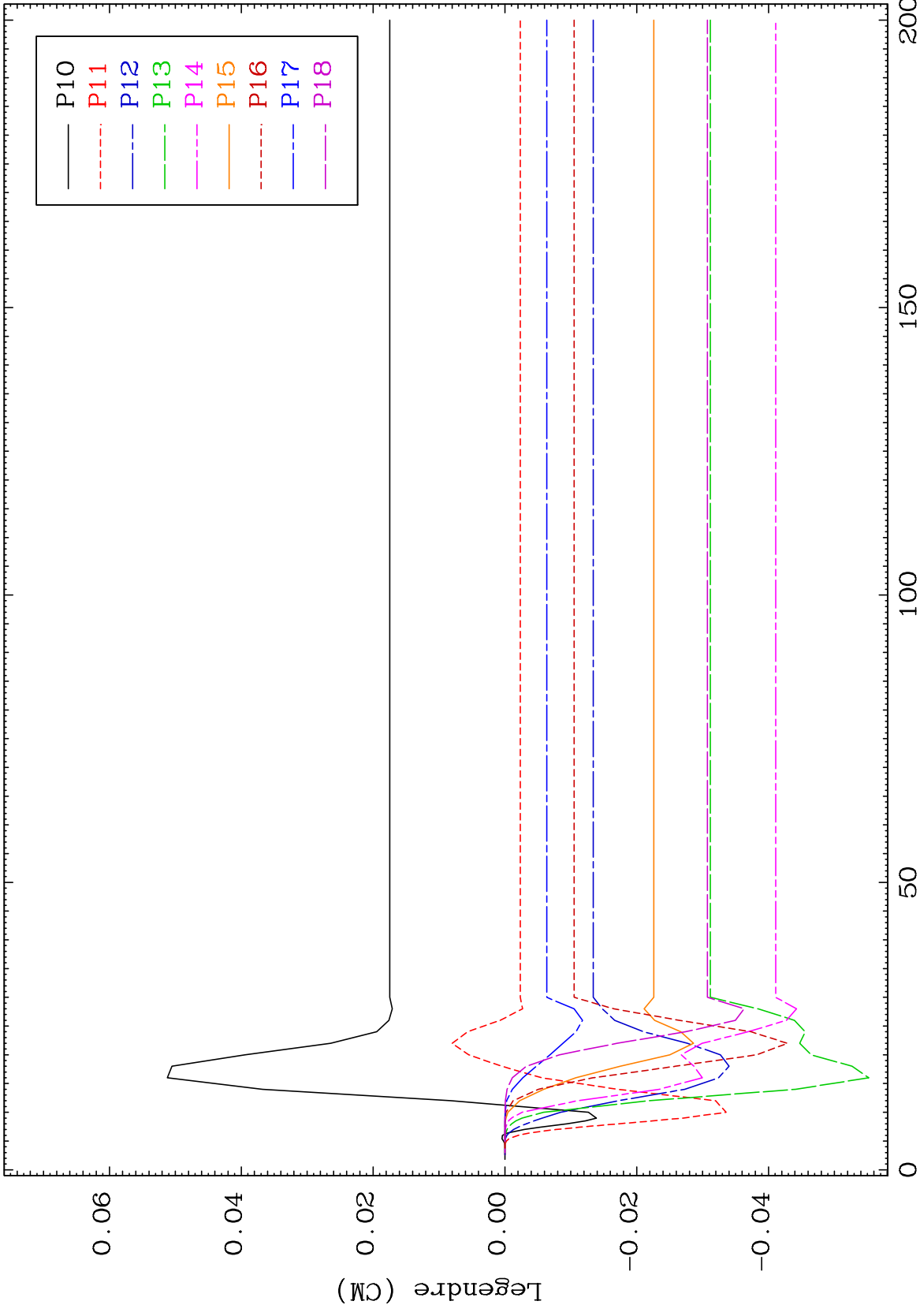


Incident Energy (MeV) 70-Yb-166

MAT 7019

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-166



126

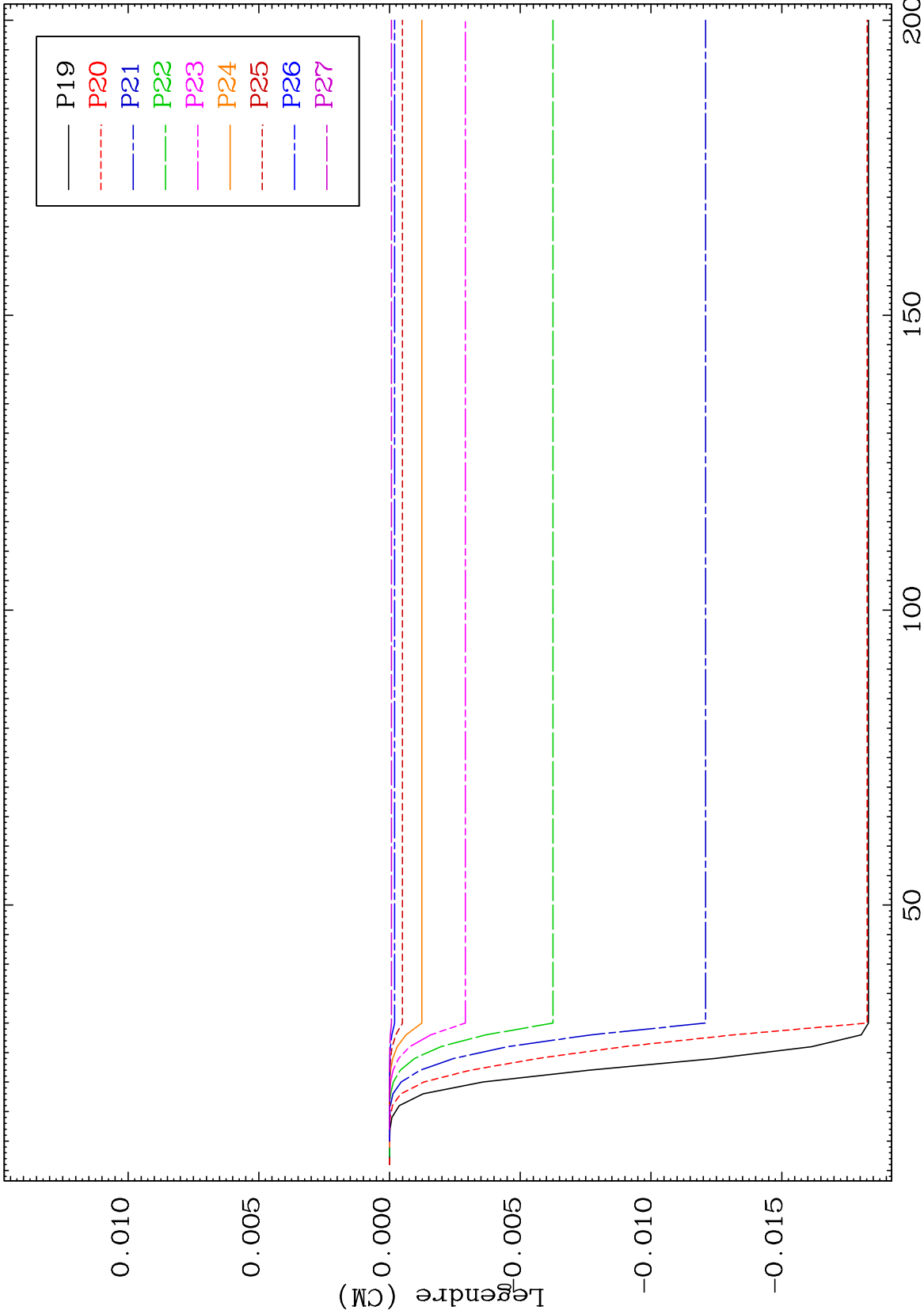
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-166



127

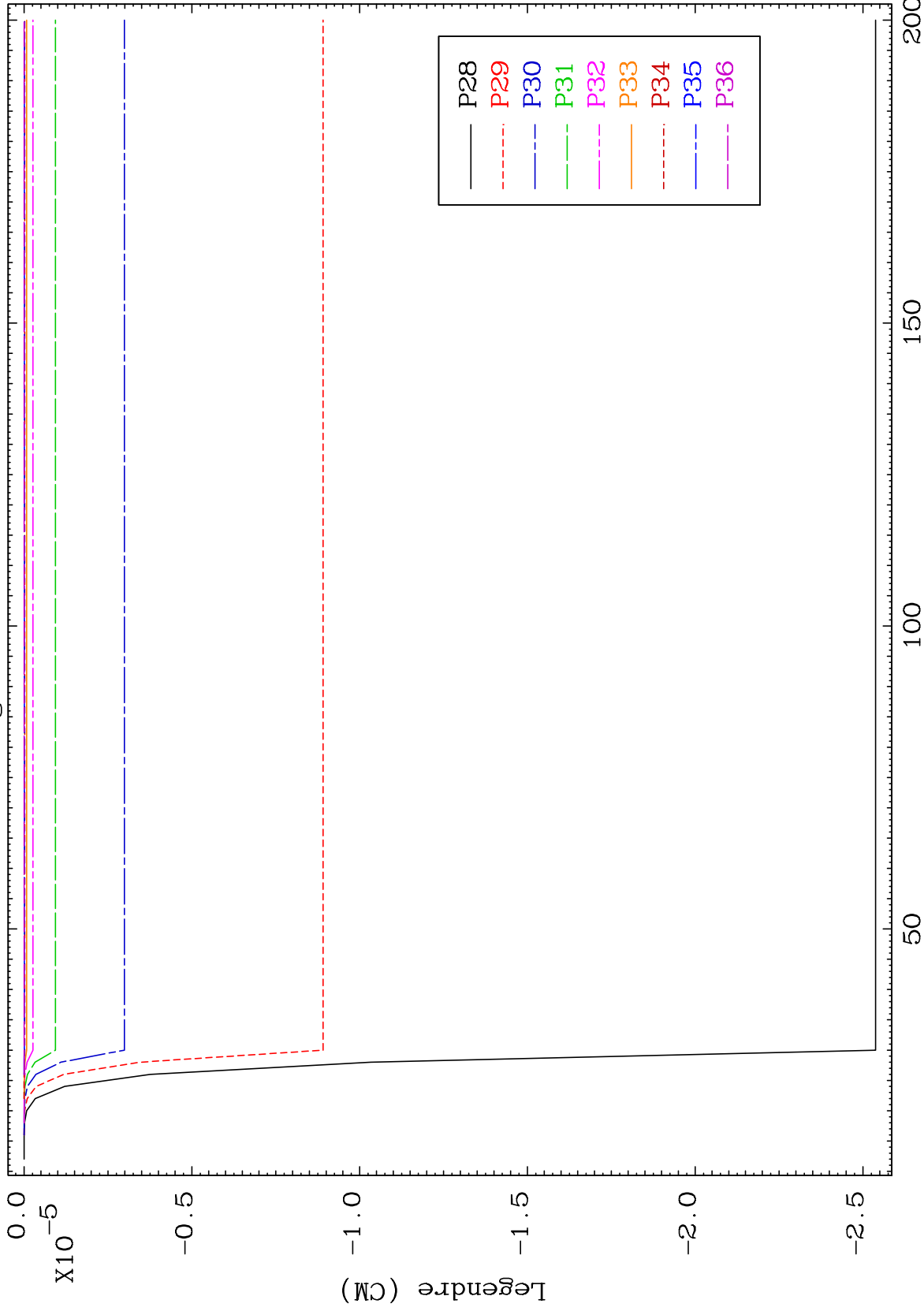
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-166



70-Yb-166

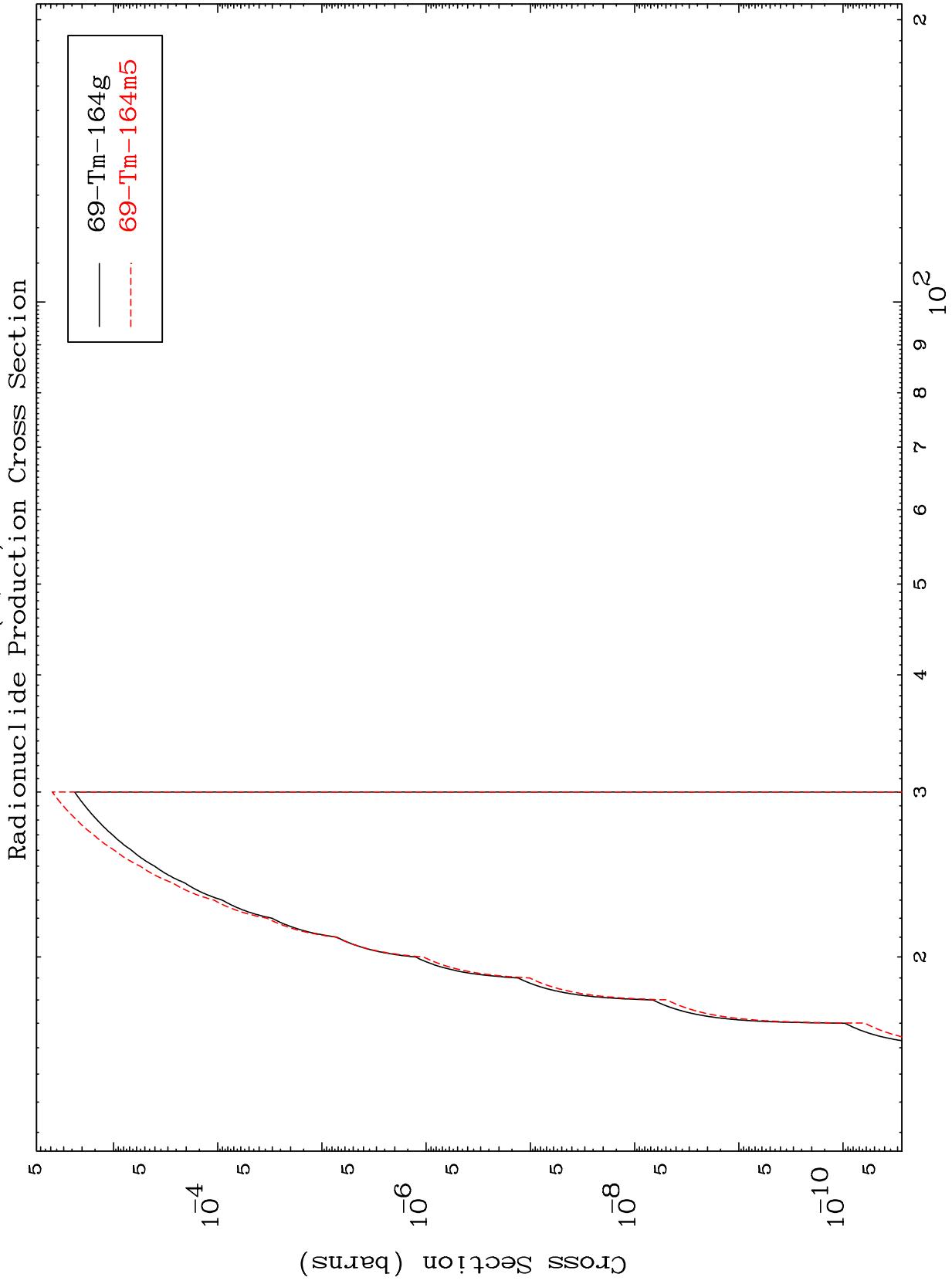
Incident Energy (MeV)

128

MAT 7019

(n,n') d

70-Yb-166



129

Incident Energy (MeV)

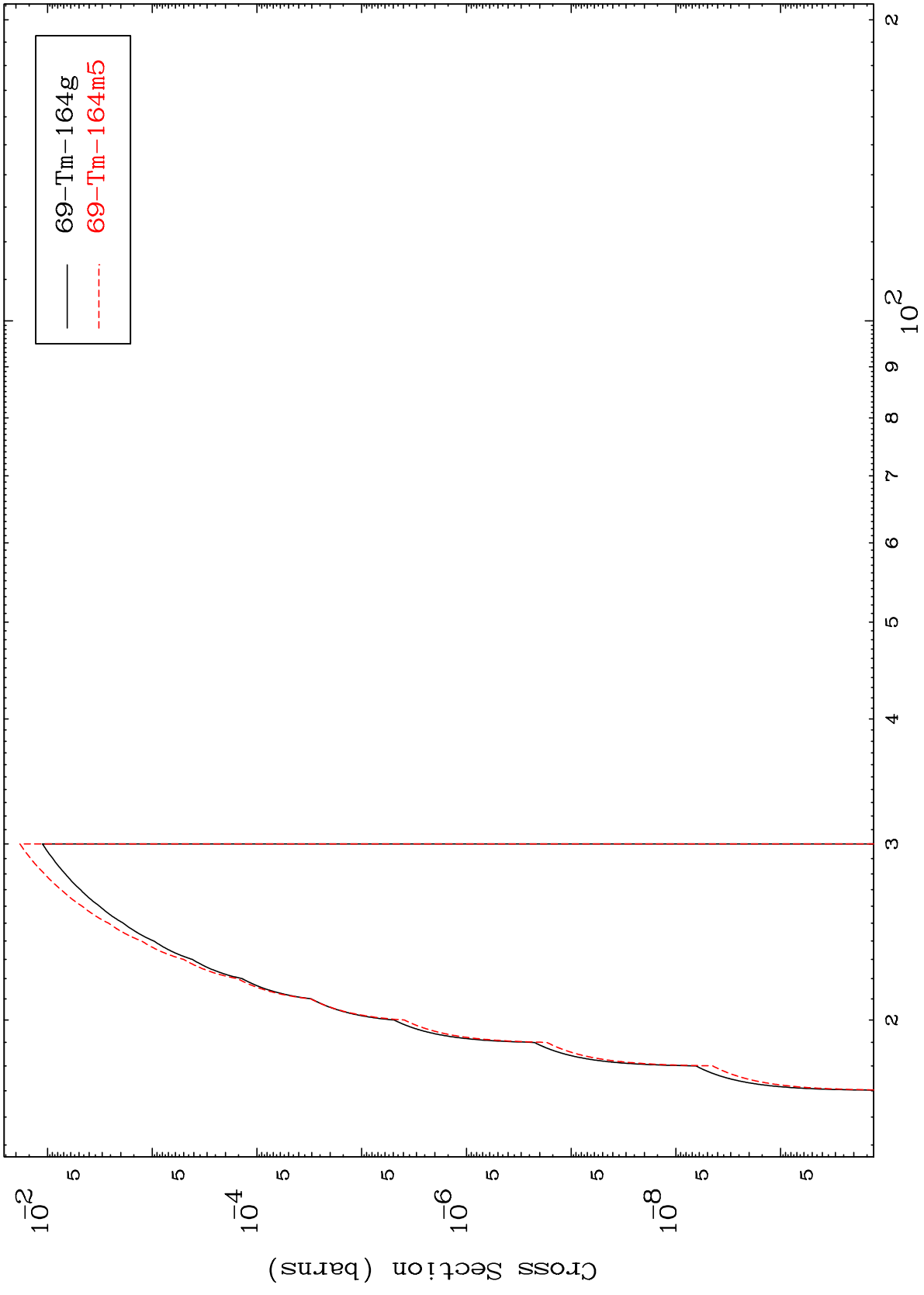
70-Yb-166

MAT 7019

(n,2n) p

70-Yb-166

Radionuclide Production Cross Section



130

Incident Energy (MeV)

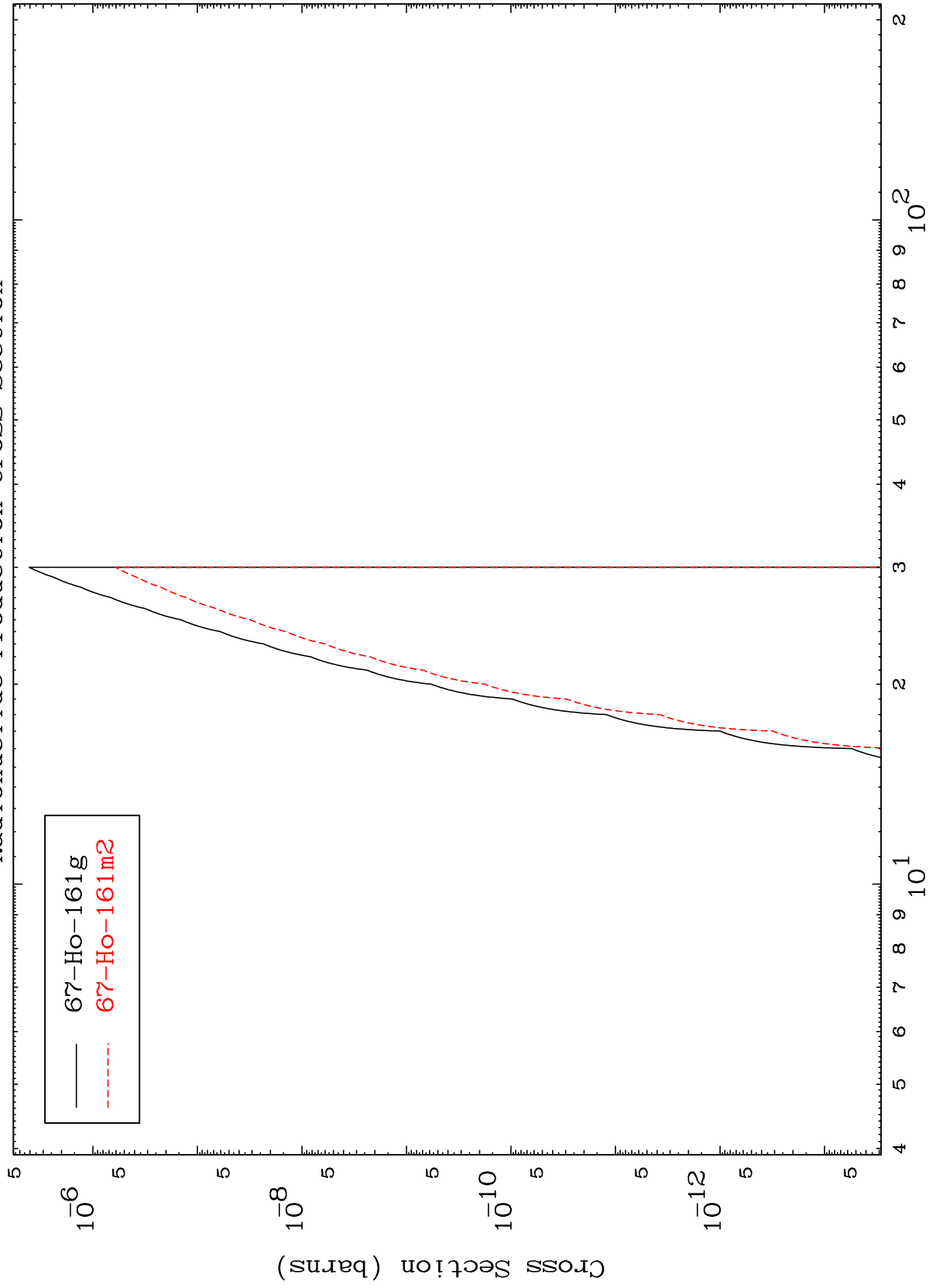
70-Yb-166

MAT 7019

(n,n') p α

70-Yb-166

Radionuclide Production Cross Section



131

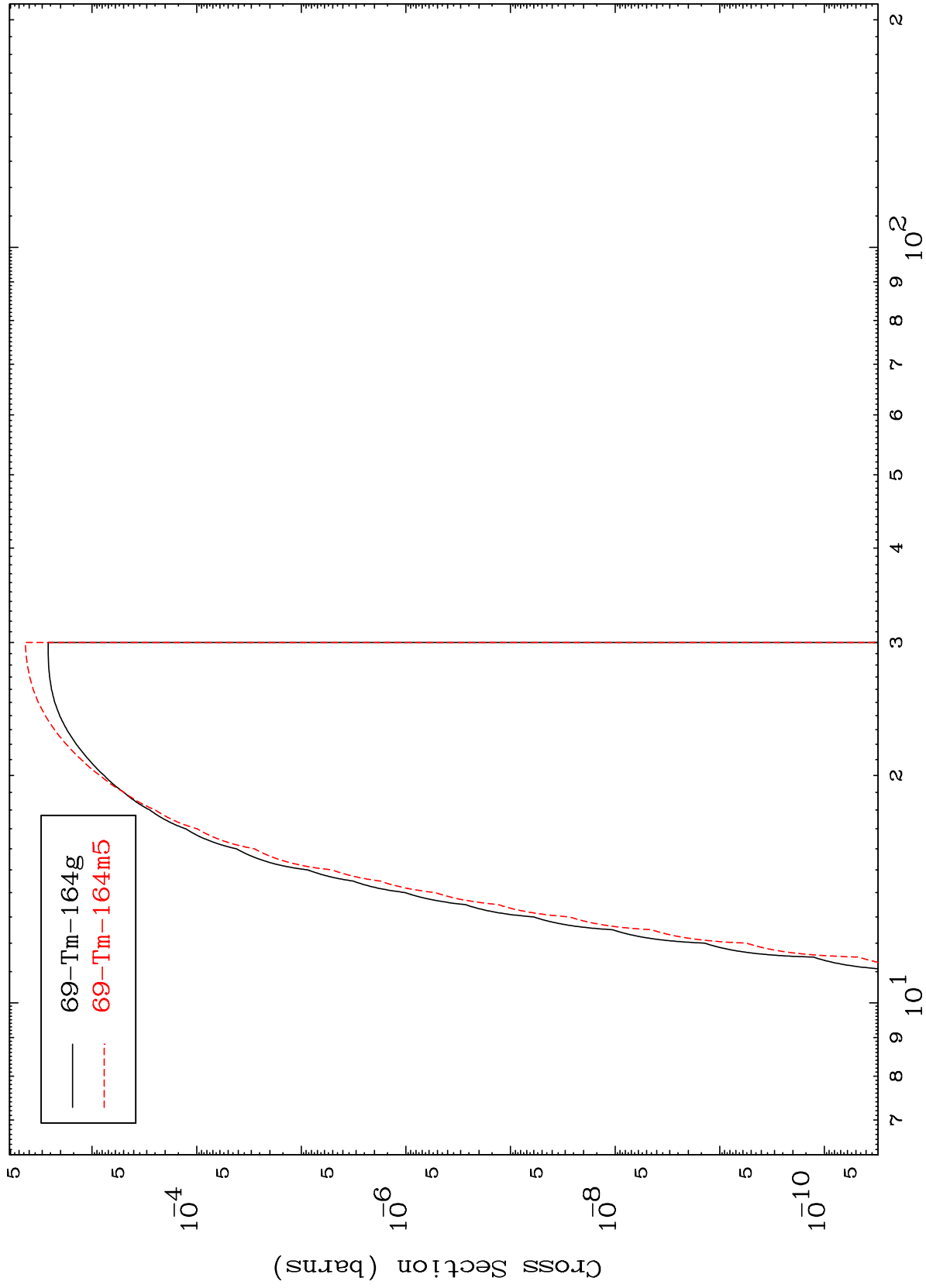
Incident Energy (MeV)

70-Yb-166

MAT 7019

70-Yb-166

Radionuclide Production Cross Section



132

Incident Energy (MeV)

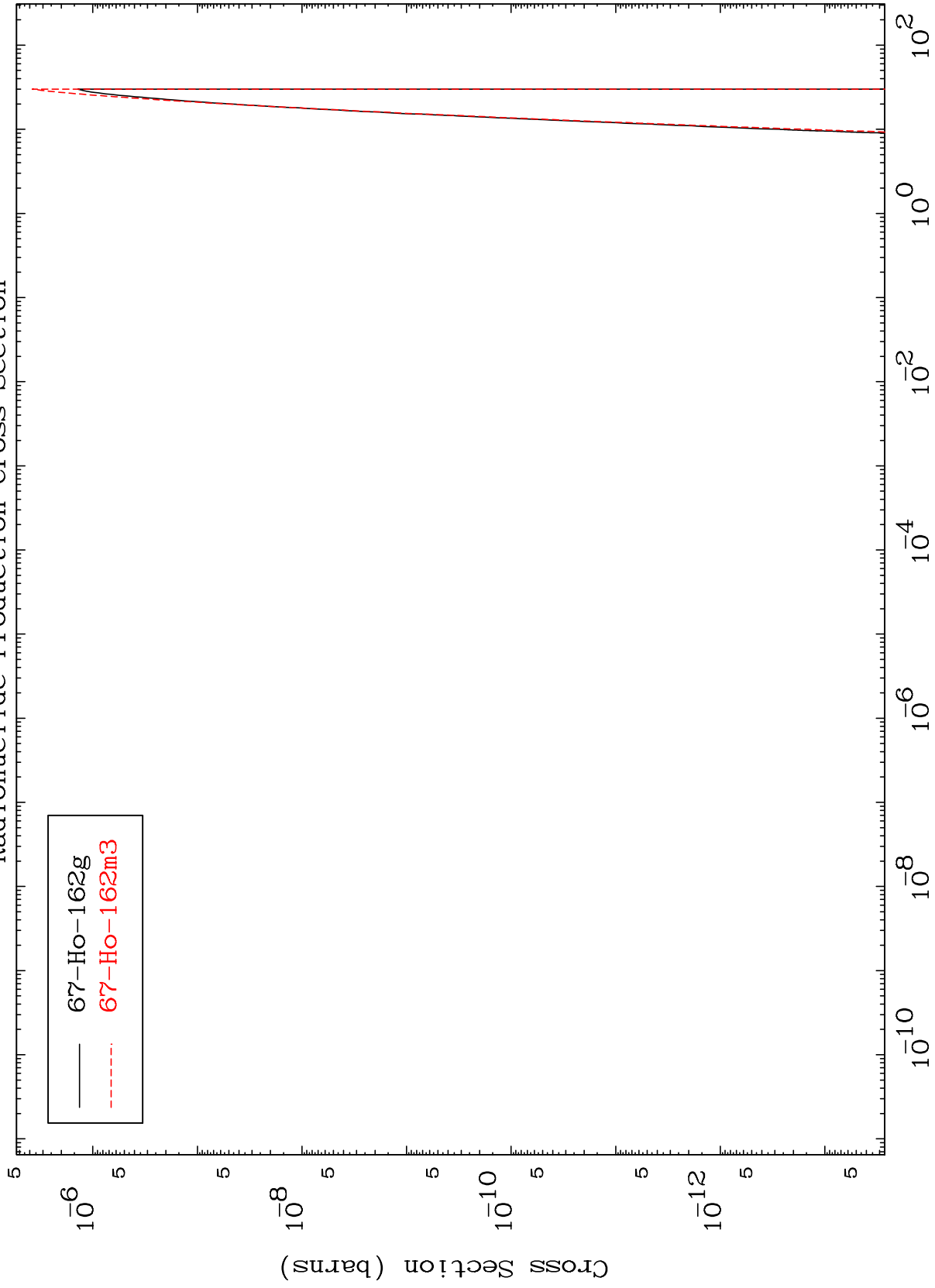
70-Yb-166

MAT 7019

(n,p) α

70-Yb-166

Radionuclide Production Cross Section



133

Incident Energy (MeV)

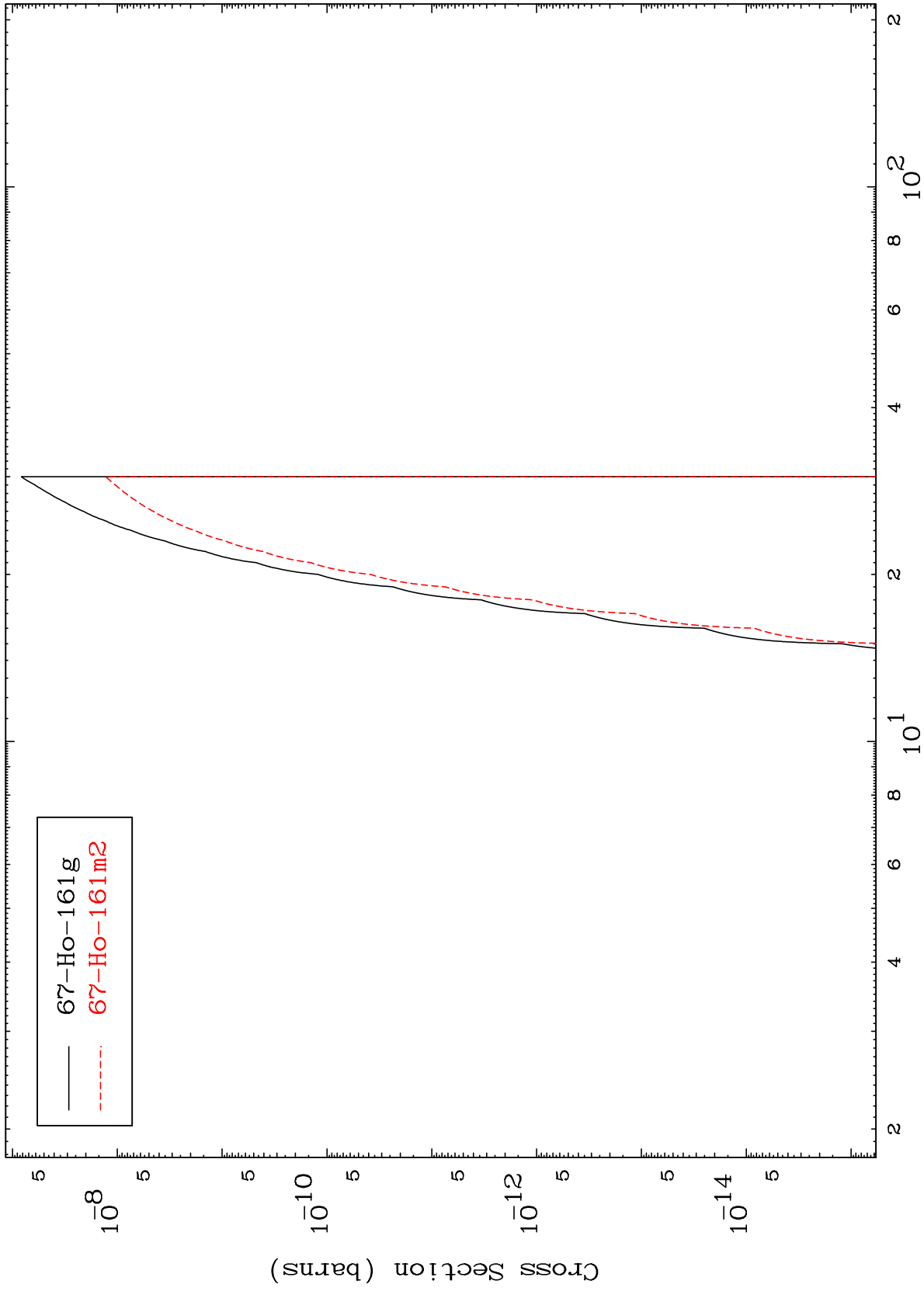
70-Yb-166

MAT 7019

(n,d) α

70-Yb-166

Radionuclide Production Cross Section



134

Incident Energy (MeV)

70-Yb-166