

Program EVALPLOT
(Version 2018-1)

by

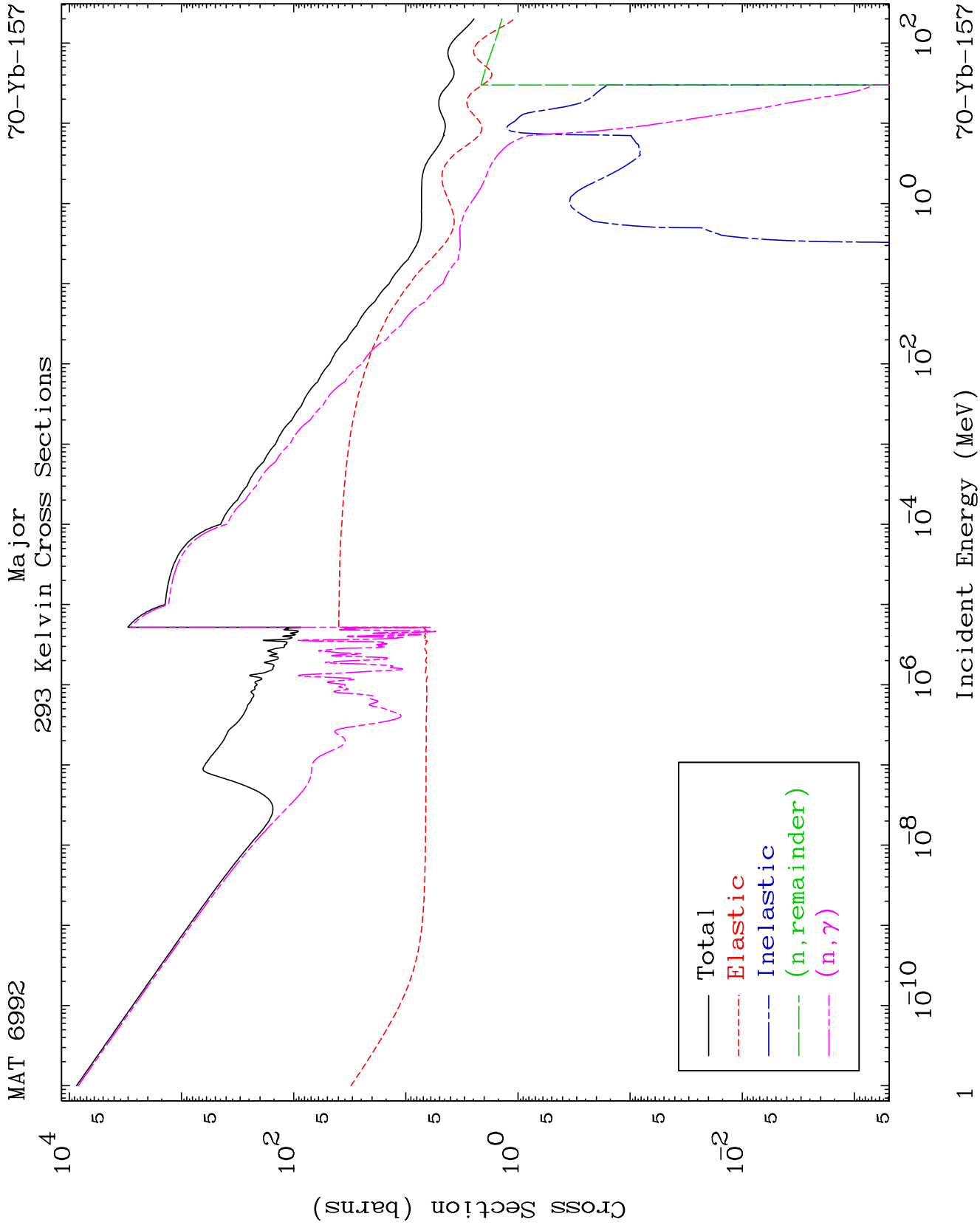
Dermott E. Cullen
(Present Contact Information)

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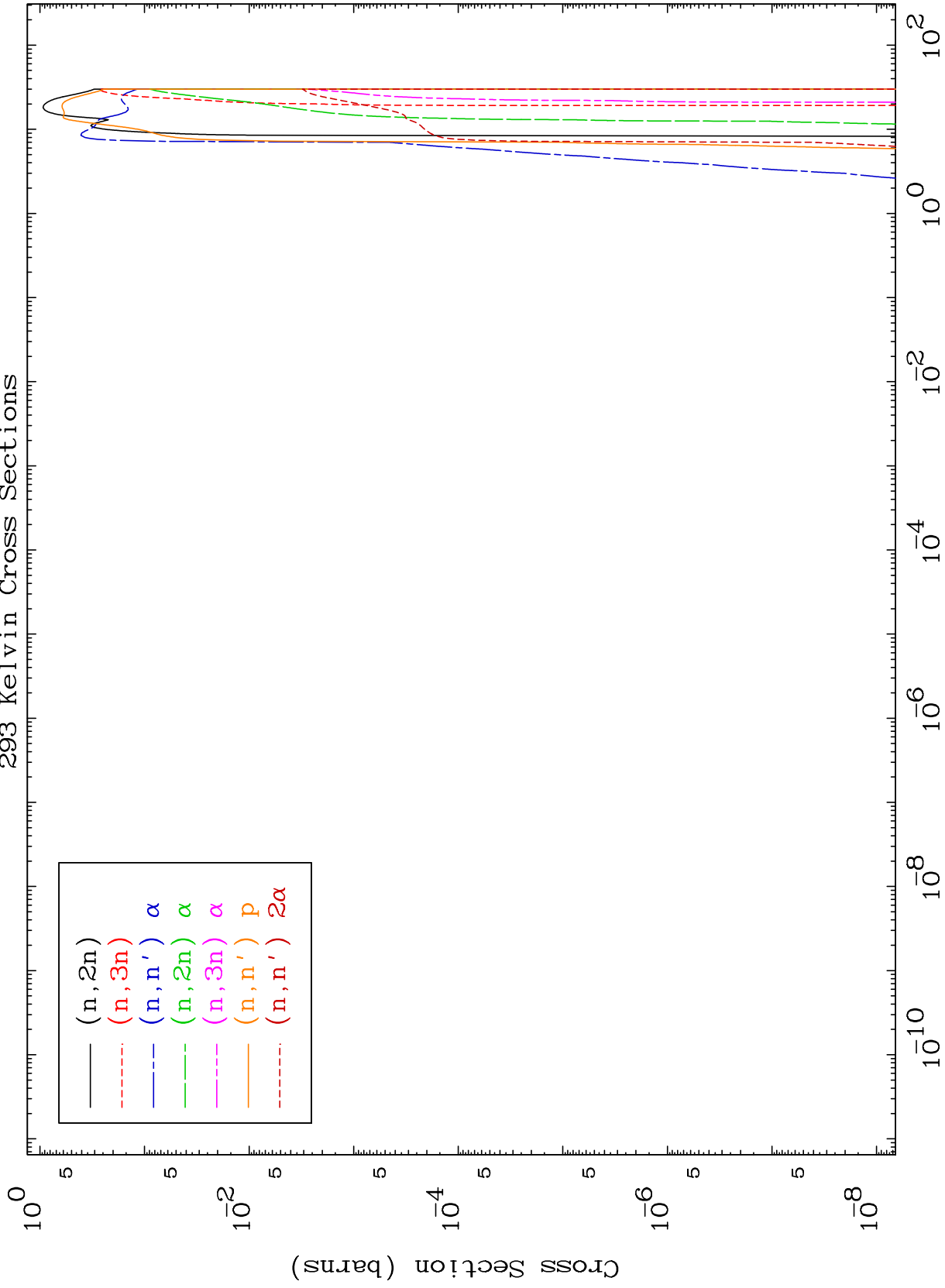
Press Mouse Button to Start



MAT 6992

Neutron Production
293 Kelvin Cross Sections

70-Yb-157



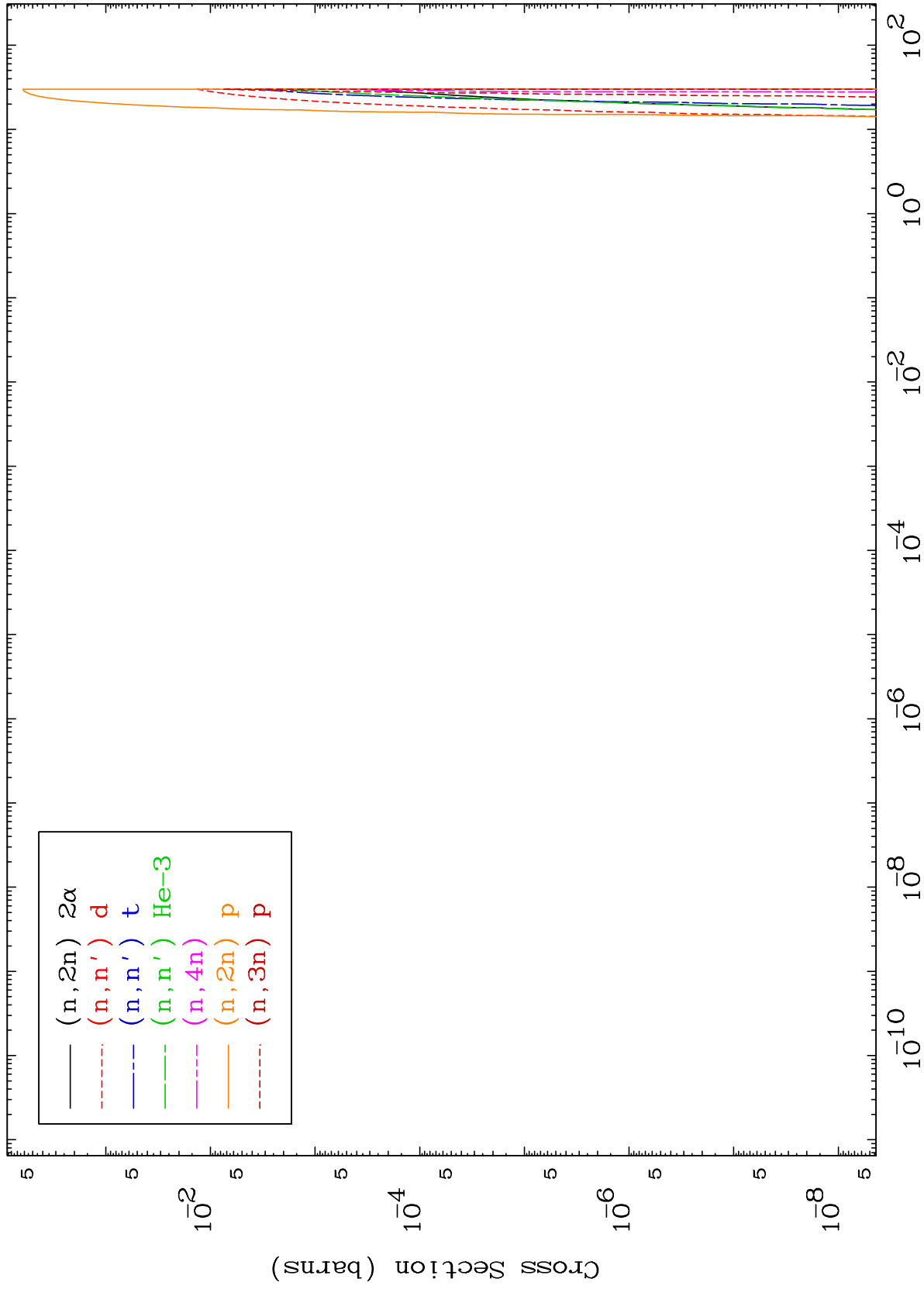
2

70-Yb-157

MAT 6992

Neutron Production
293 Kelvin Cross Sections

70-Yb-157

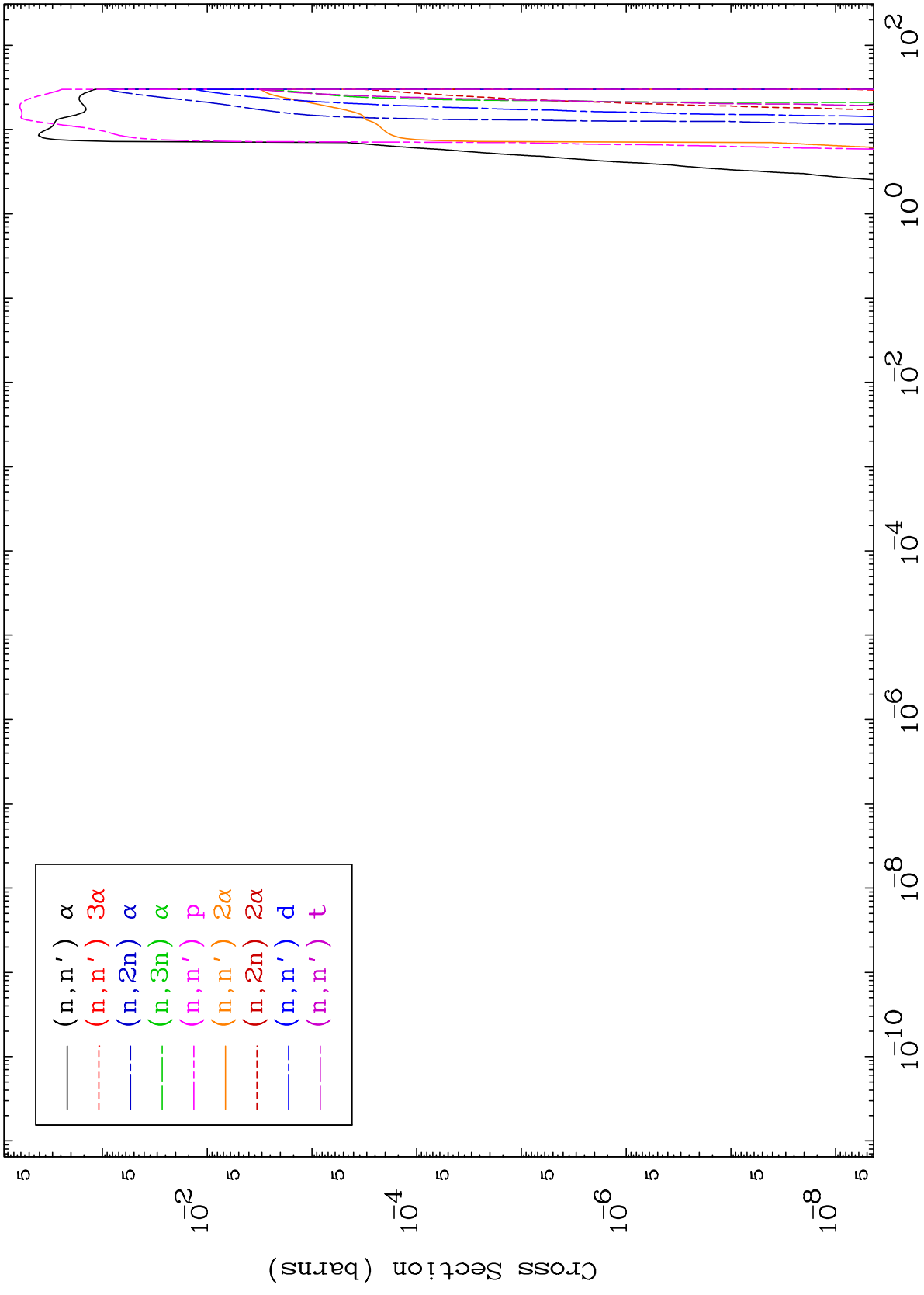


70-Yb-157

MAT 6992

293 Kelvin Cross Sections

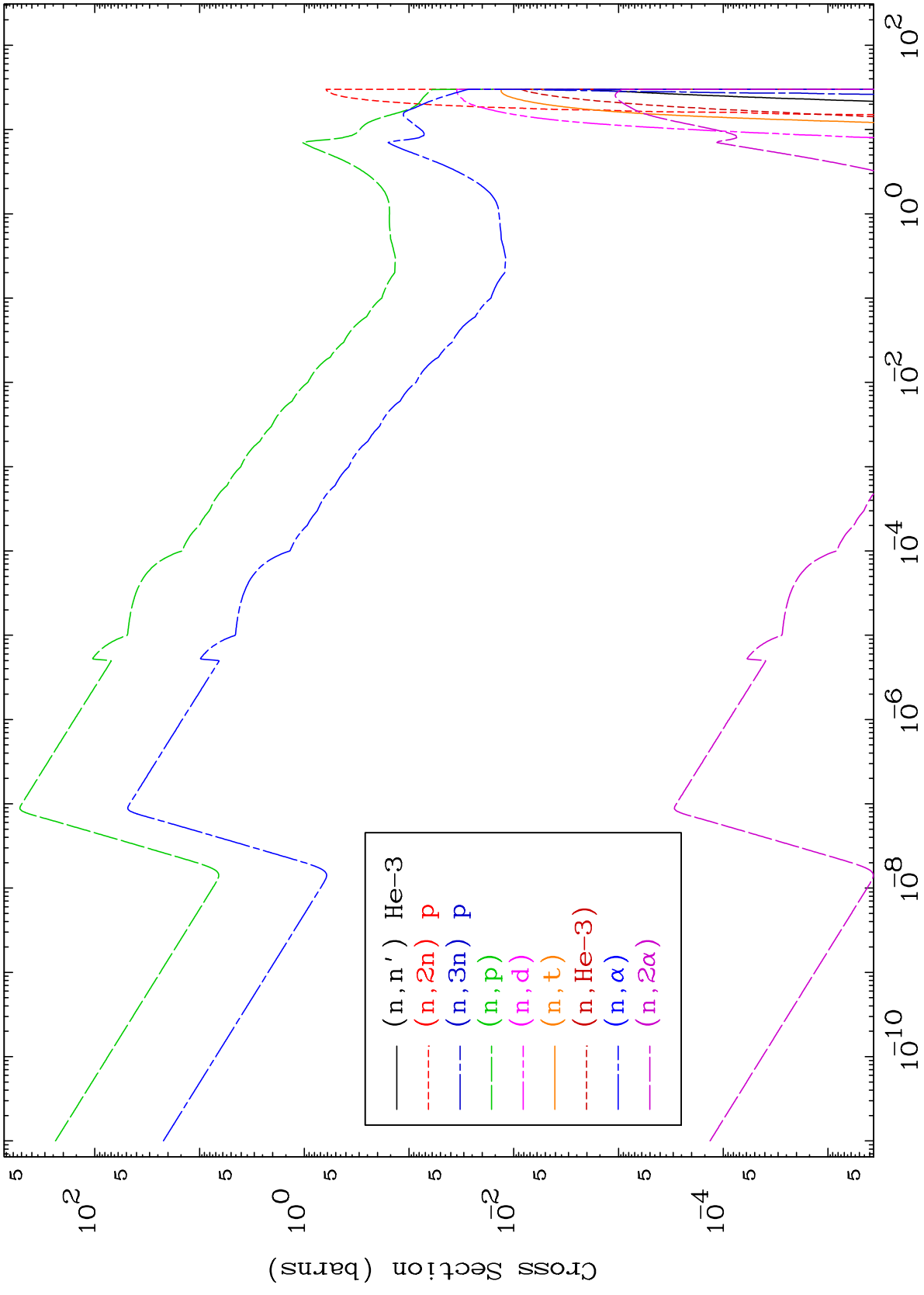
70-Yb-157



MAT 6992

Charged Particle
293 Kelvin Cross Sections

70-Yb-157



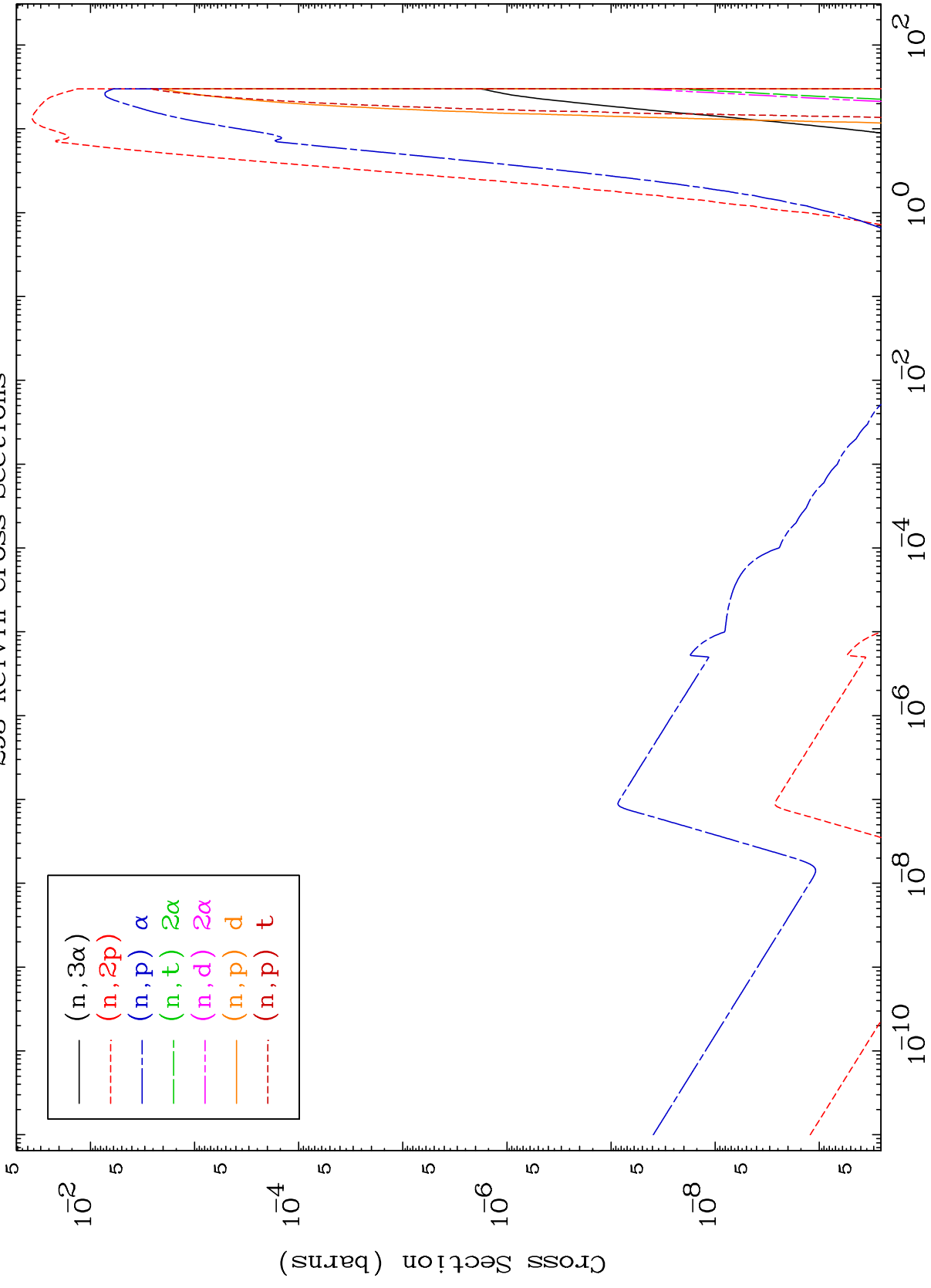
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70-Yb-157

MAT 6992

Charged Particle
293 Kelvin Cross Sections

70-Yb-157



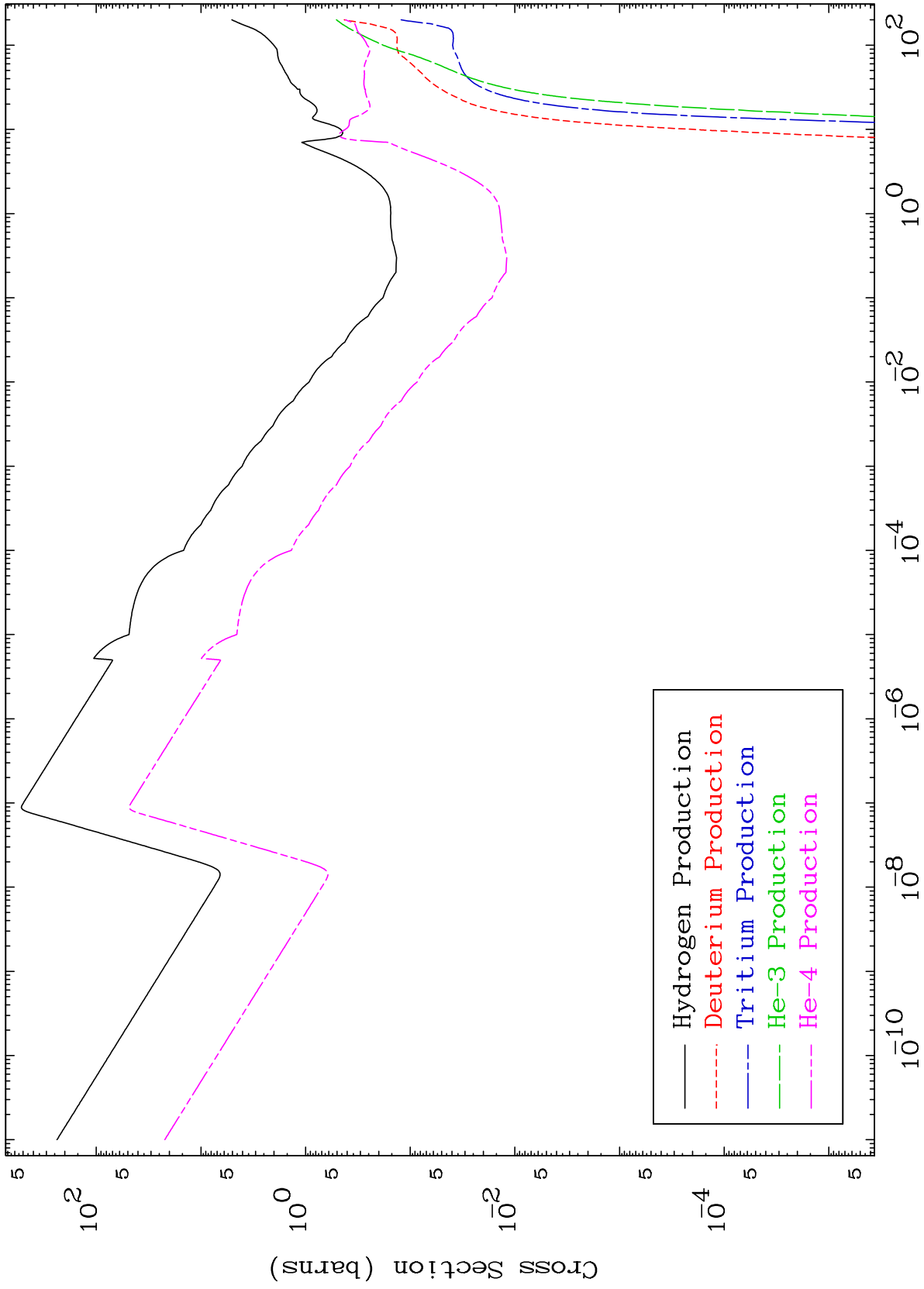
6

70-Yb-157

MAT 6992

Particle Production
293 Kelvin Cross Sections

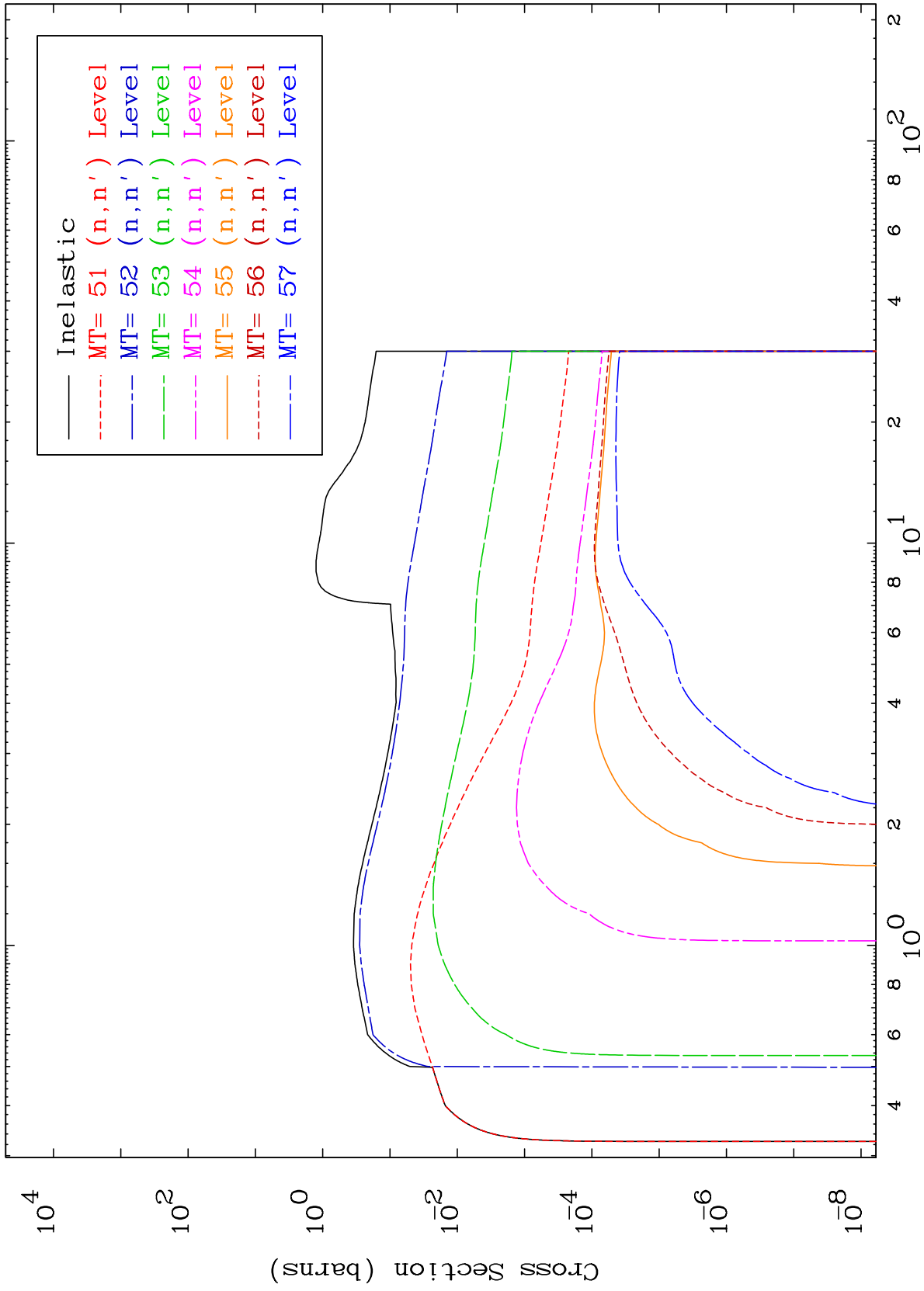
70-Yb-157



MAT 6992

(n,n') Level
293 Kelvin Cross Sections

70-Yb-157



8

Incident Energy (MeV)

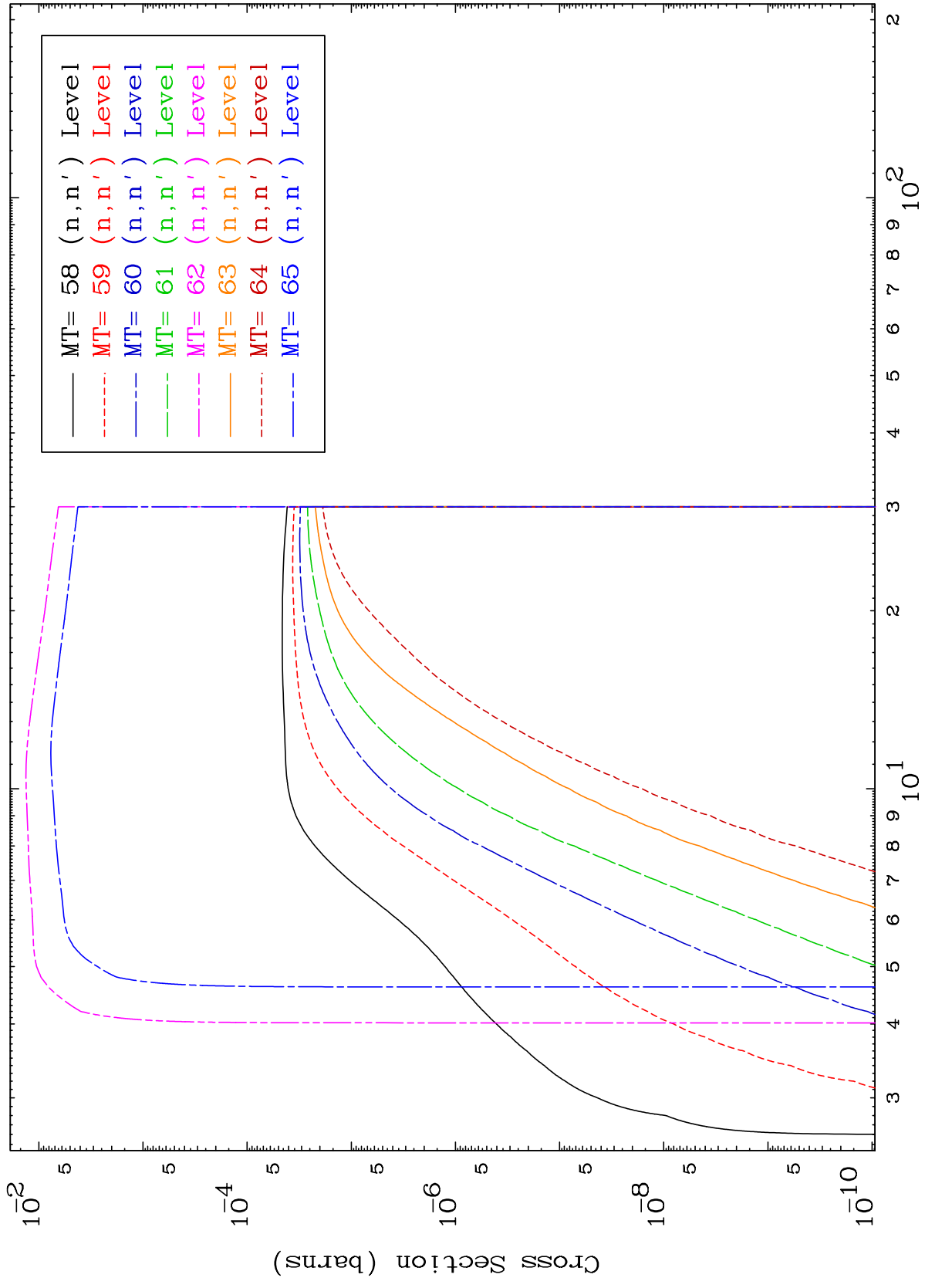
70-Yb-157

MAT 6992

(n,n') Level

70-Yb-157

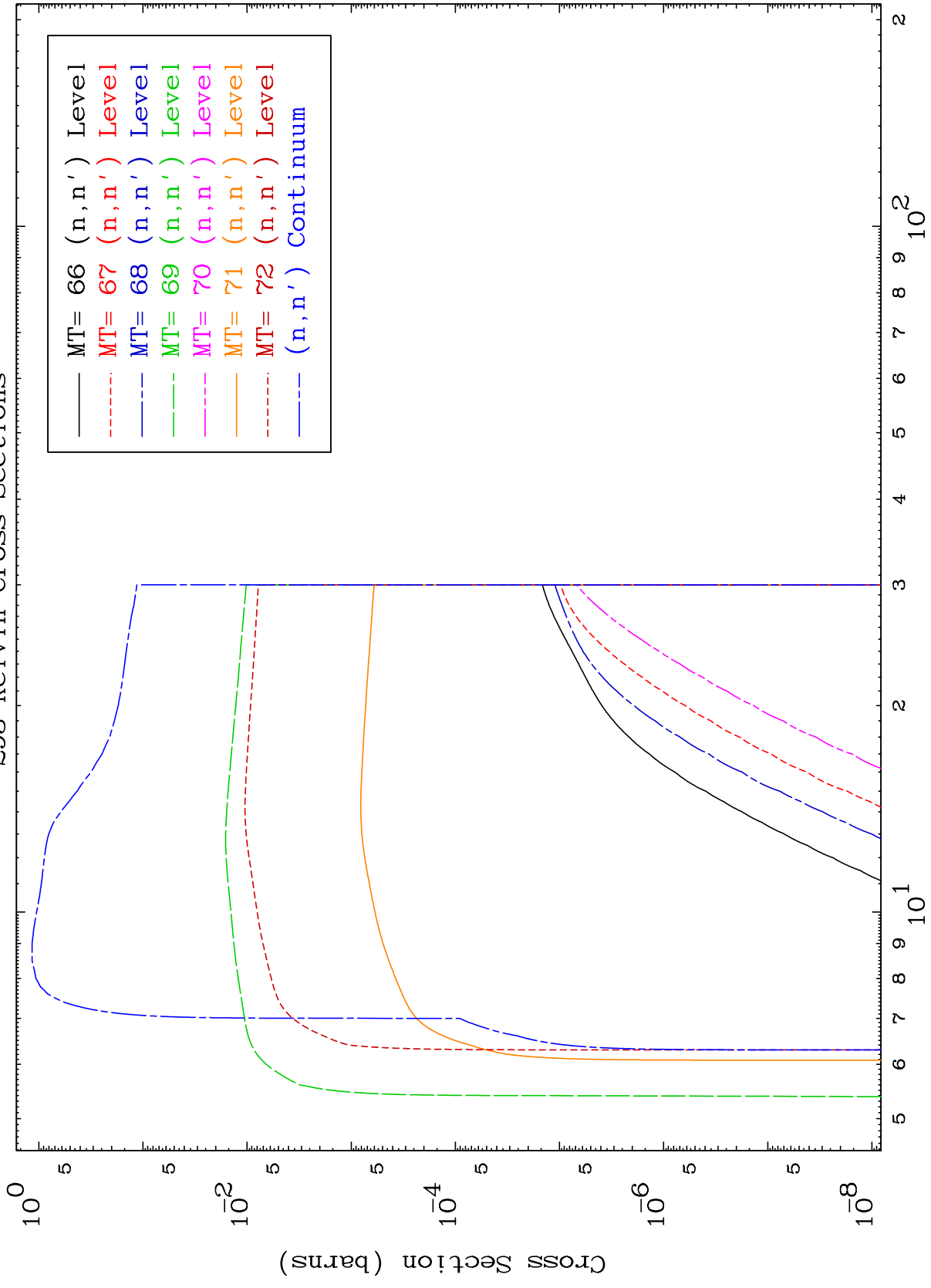
293 Kelvin Cross Sections



MAT 6992

(n,n') Level
293 Kelvin Cross Sections

70-Yb-157



10

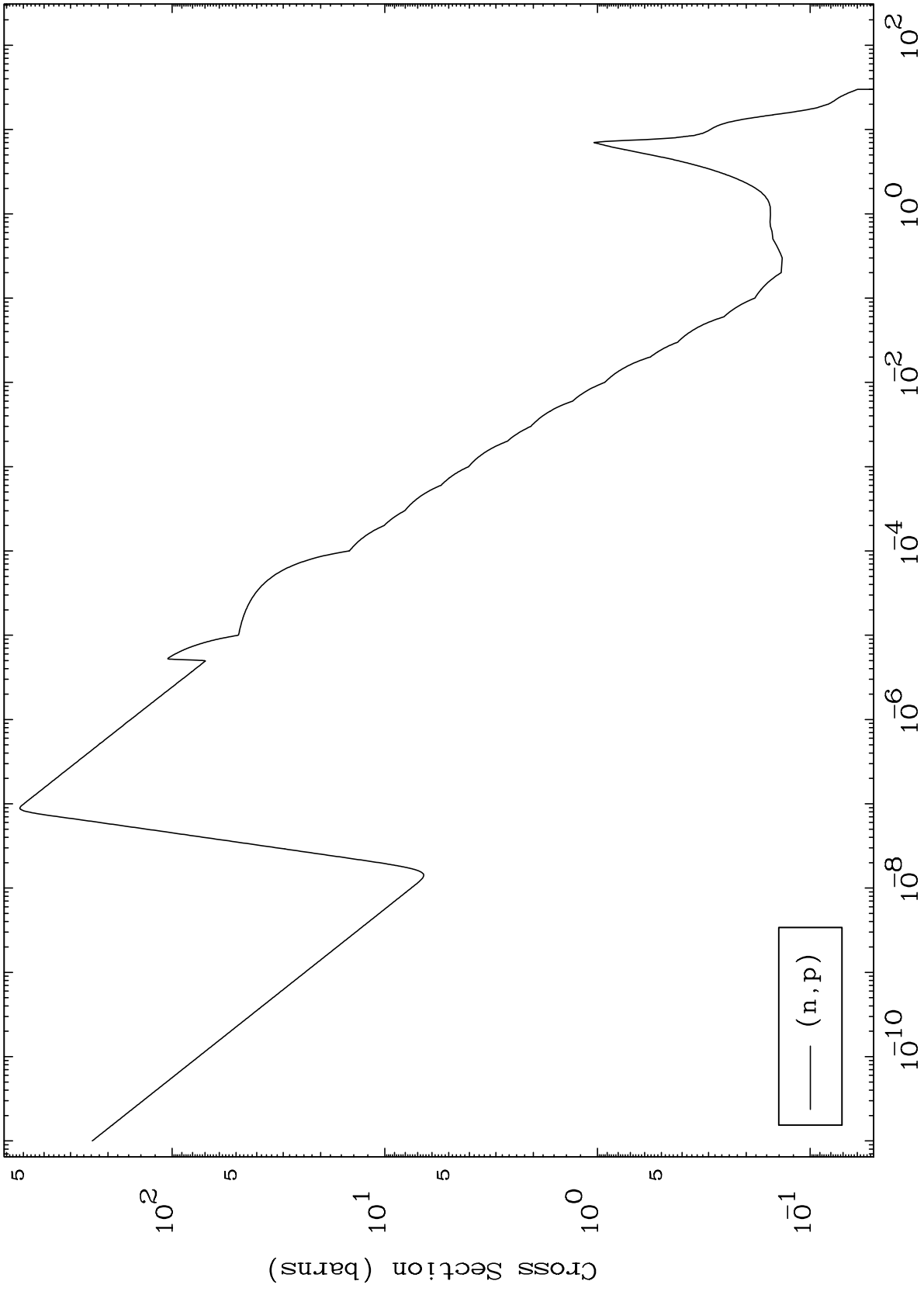
Incident Energy (MeV)

70-Yb-157

MAT 6992

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-157

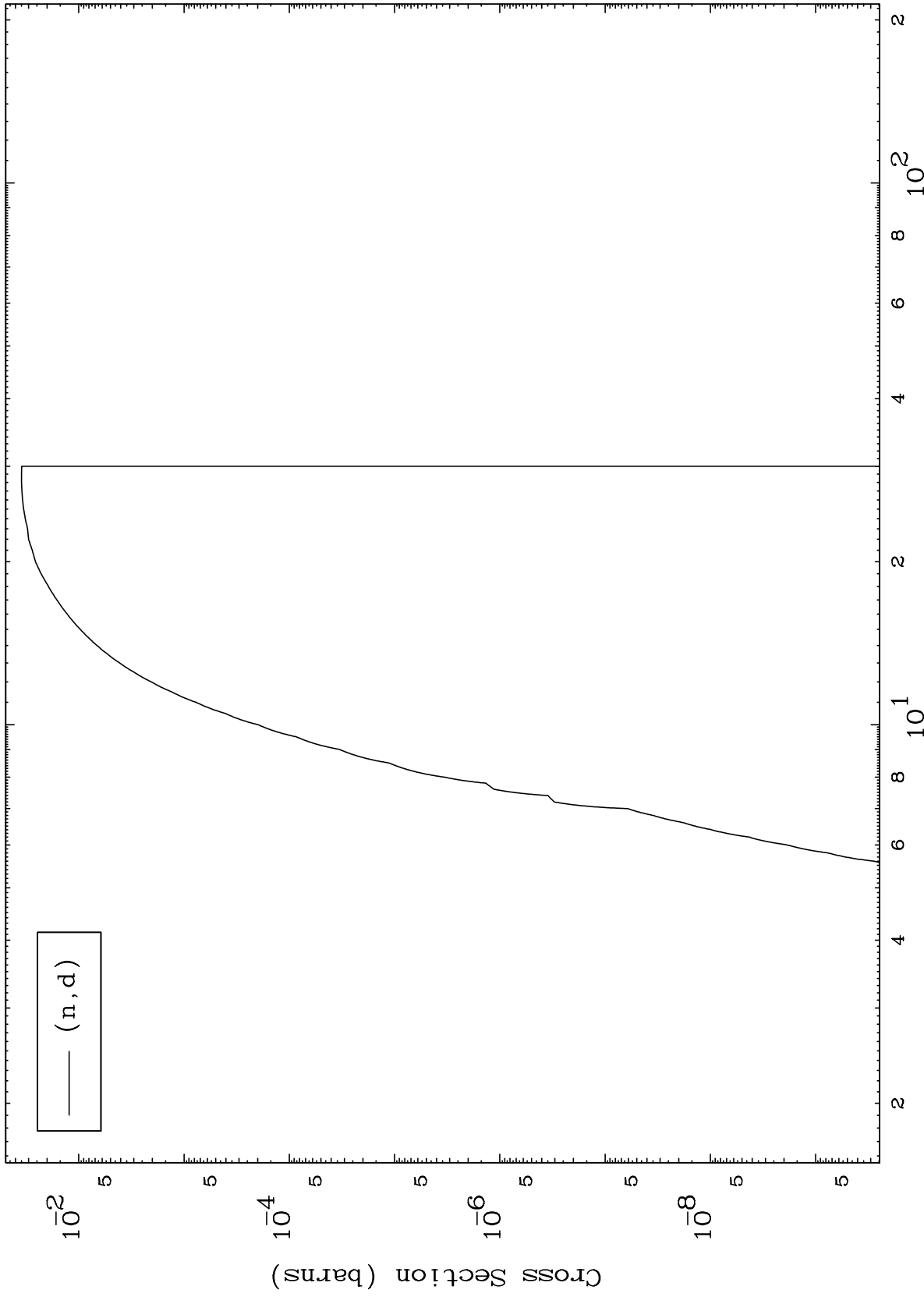


70-Yb-157

MAT 6992

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-157



12

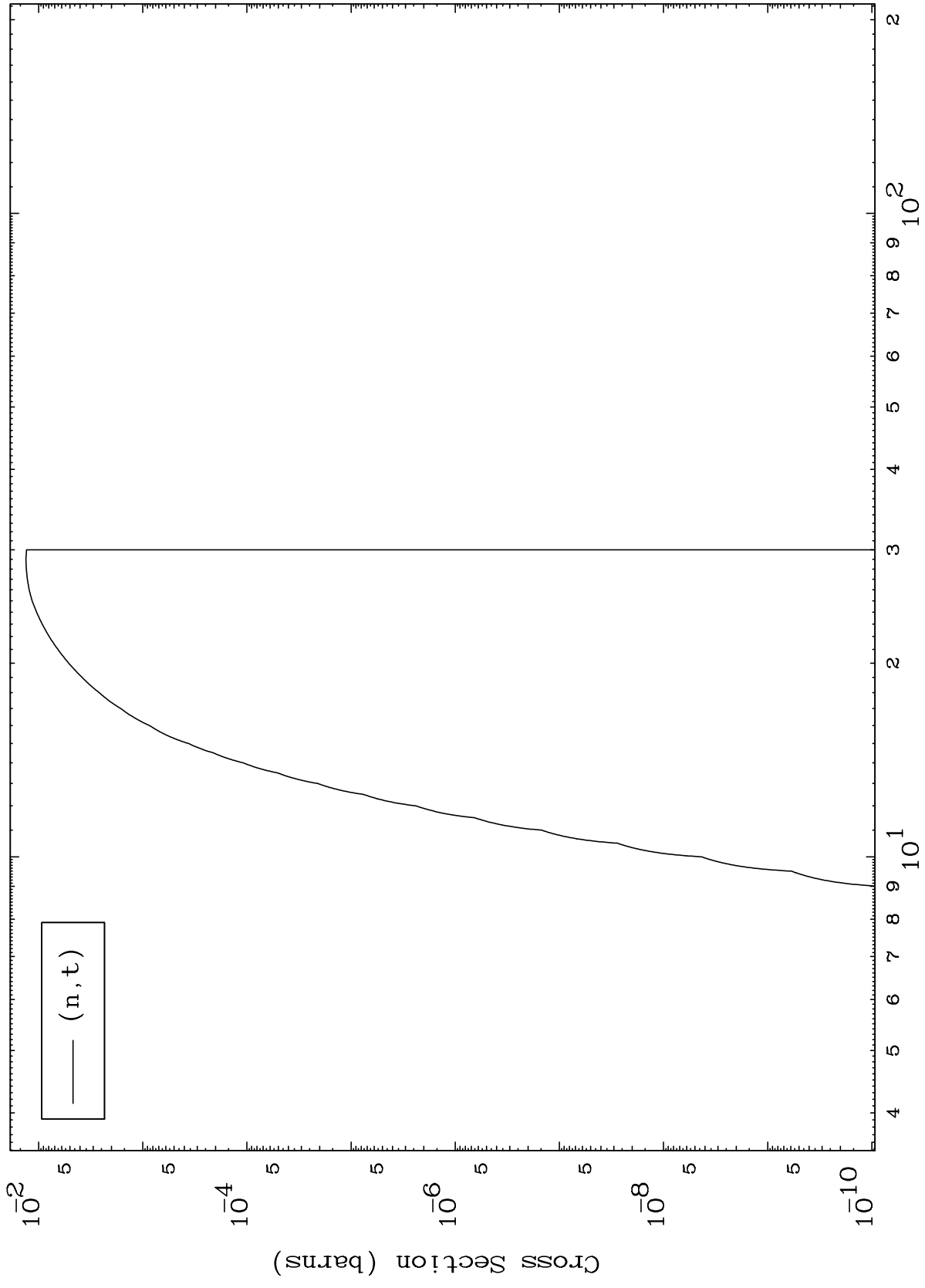
Incident Energy (MeV)

70-Yb-157

MAT 6992

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-157



13

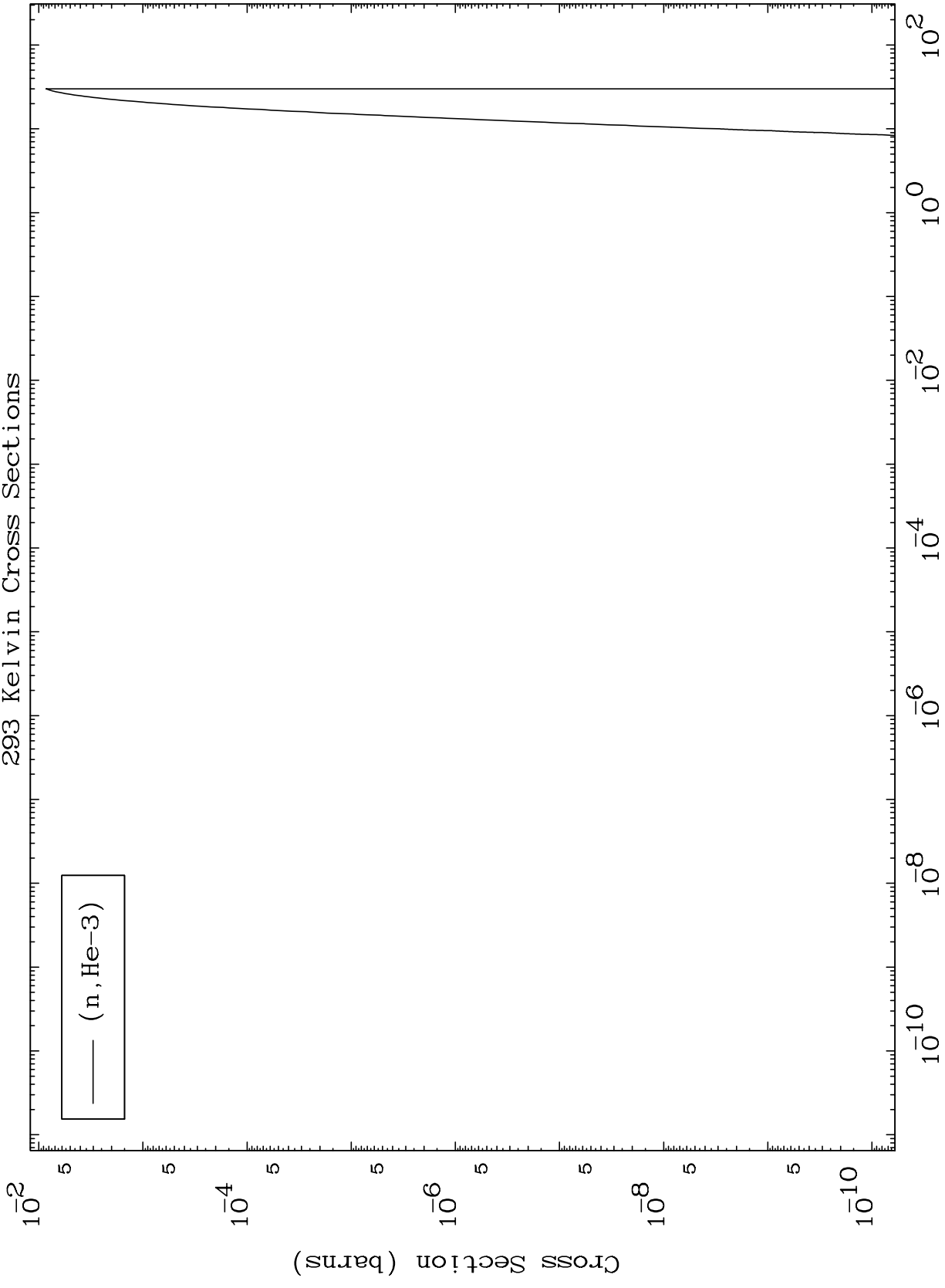
Incident Energy (MeV)

70-Yb-157

MAT 6992

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-157

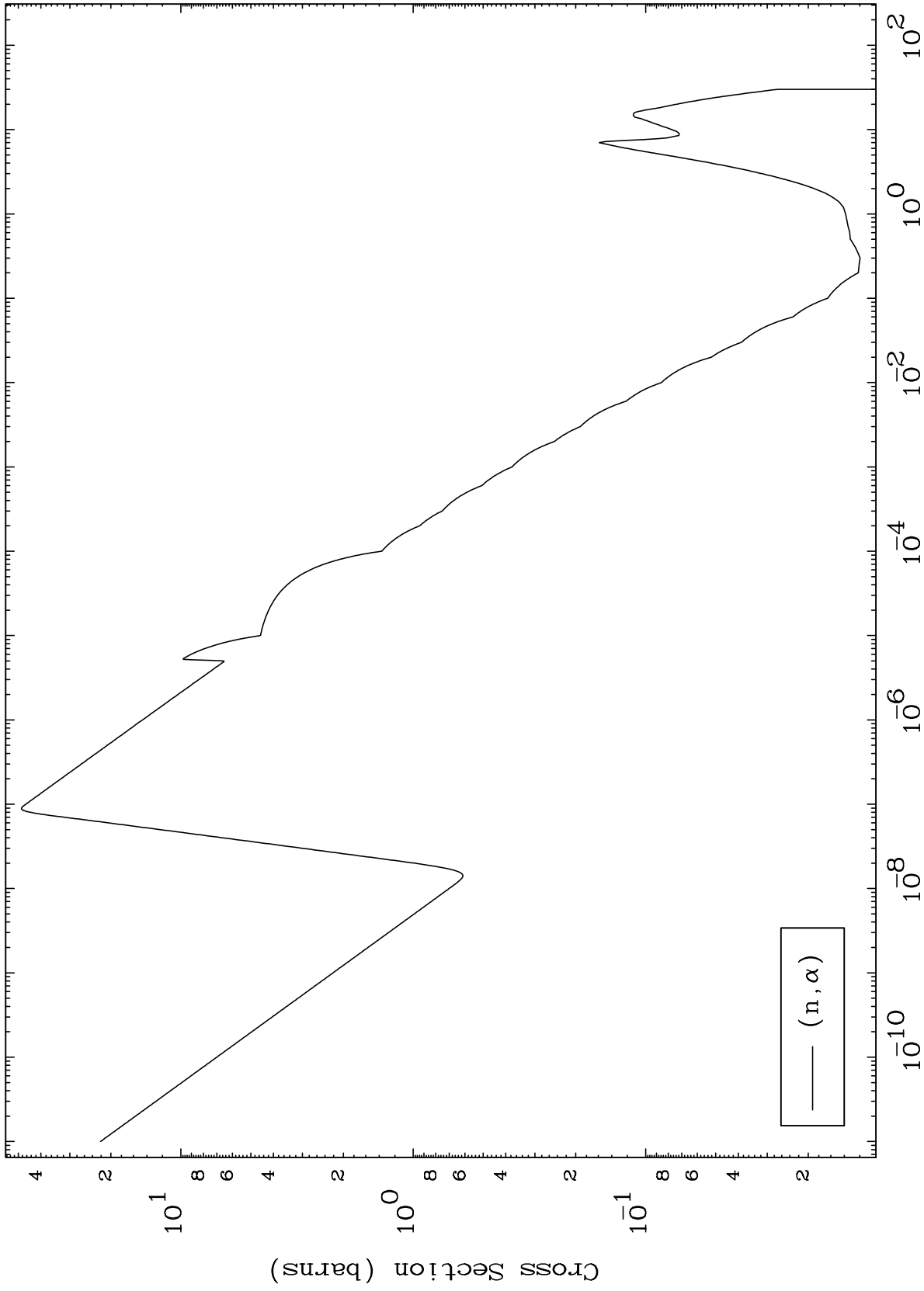


70-Yb-157

MAT 6992

(n,α) Levels
293 Kelvin Cross Sections

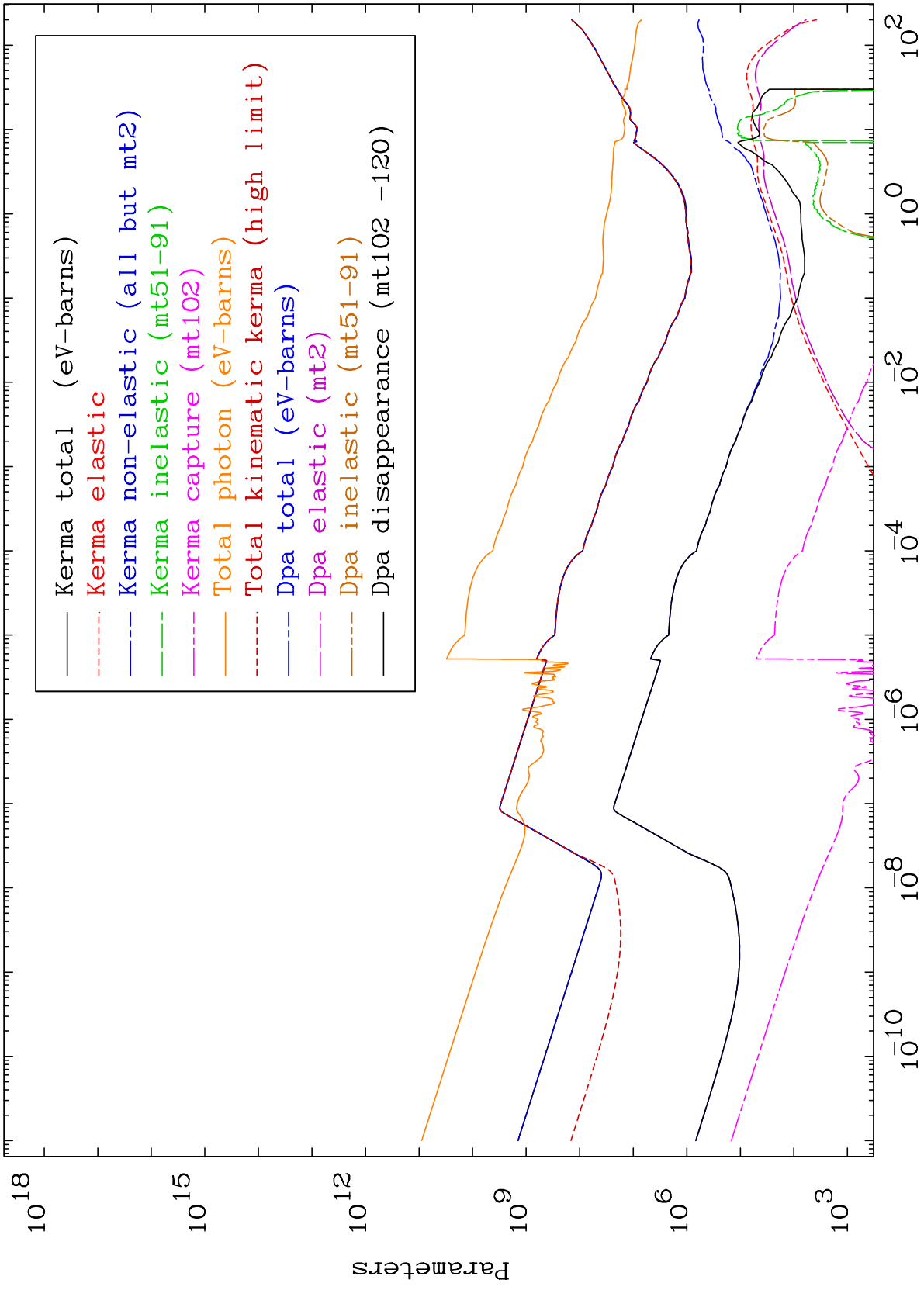
70-Yb-157



15

Incident Energy (MeV)

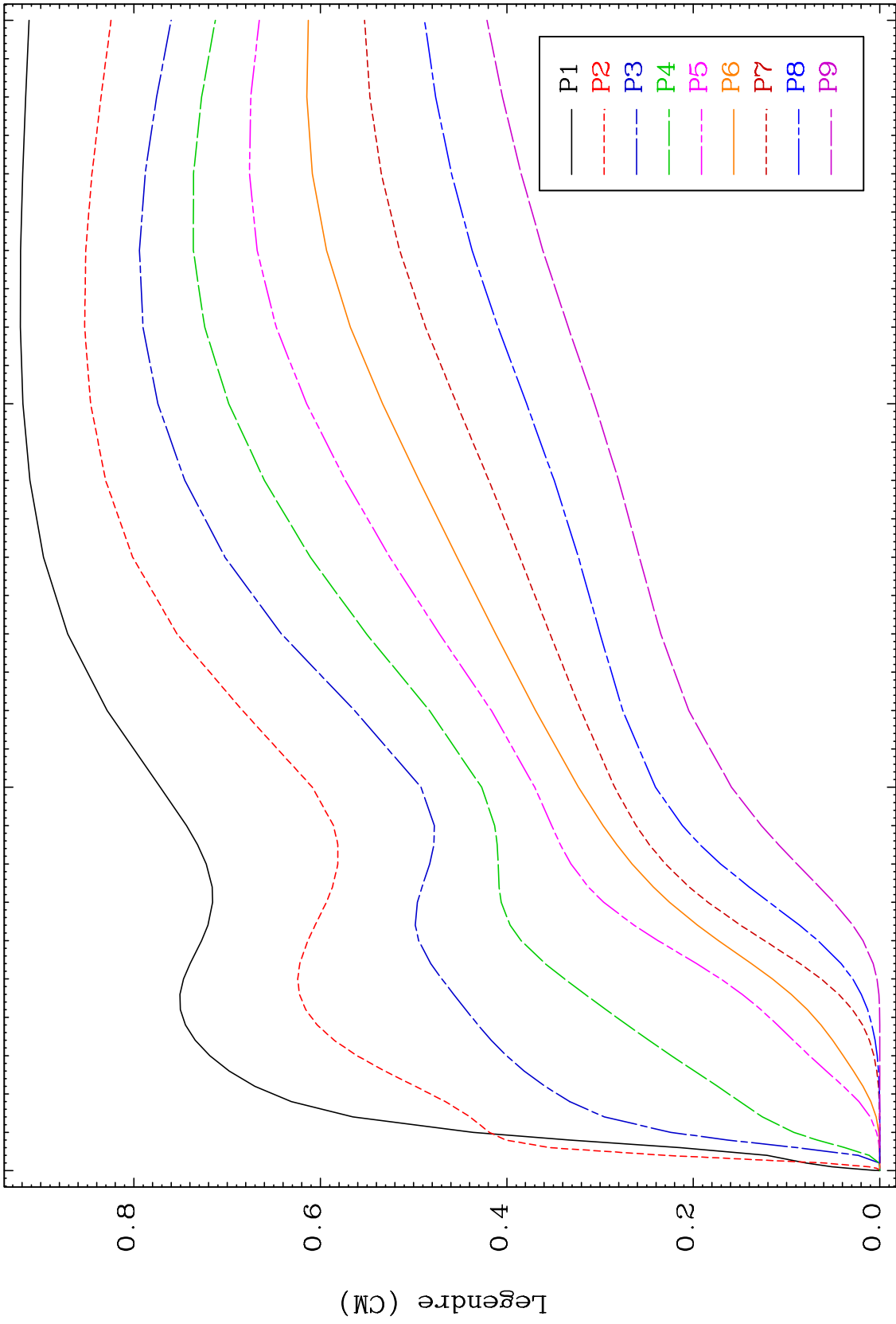
70-Yb-157



MAT 6992

Elastic Legendre Coefficients

70-Yb-157



17

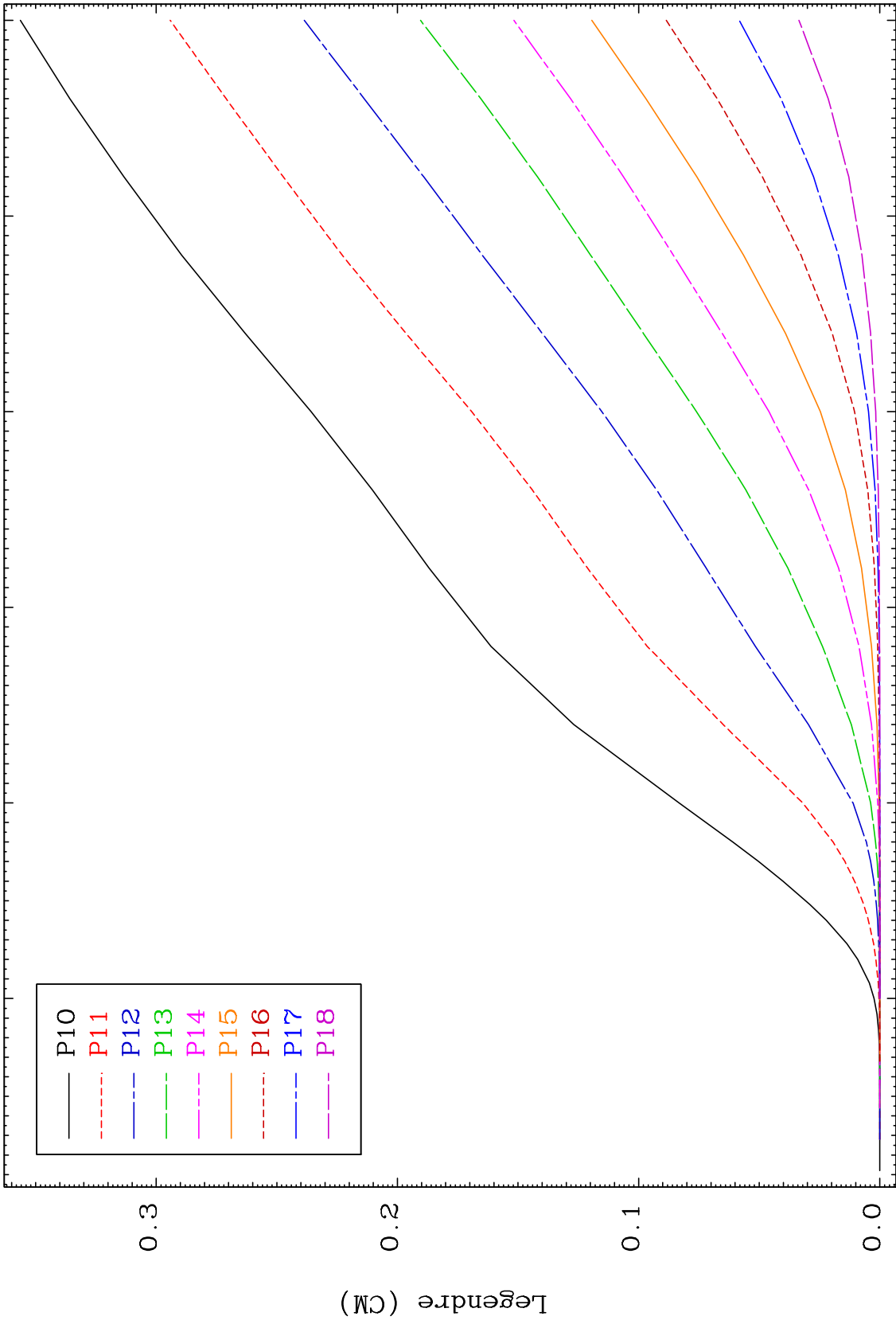
Incident Energy (MeV)

70-Yb-157

MAT 6992

Elastic Legendre Coefficients

70-Yb-157



18

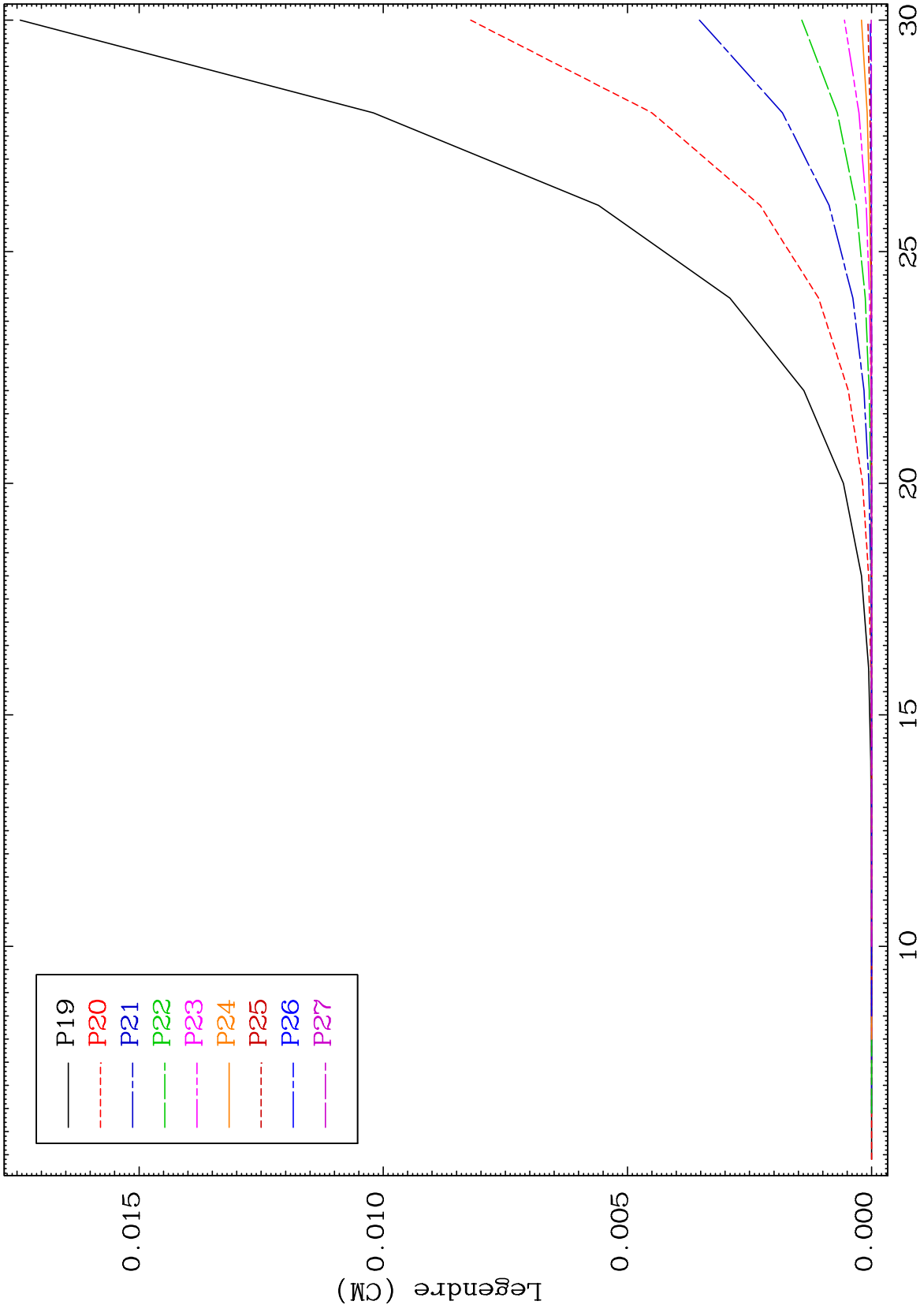
Incident Energy (MeV)

70-Yb-157

MAT 6992

Elastic Legendre Coefficients

70-Yb-157



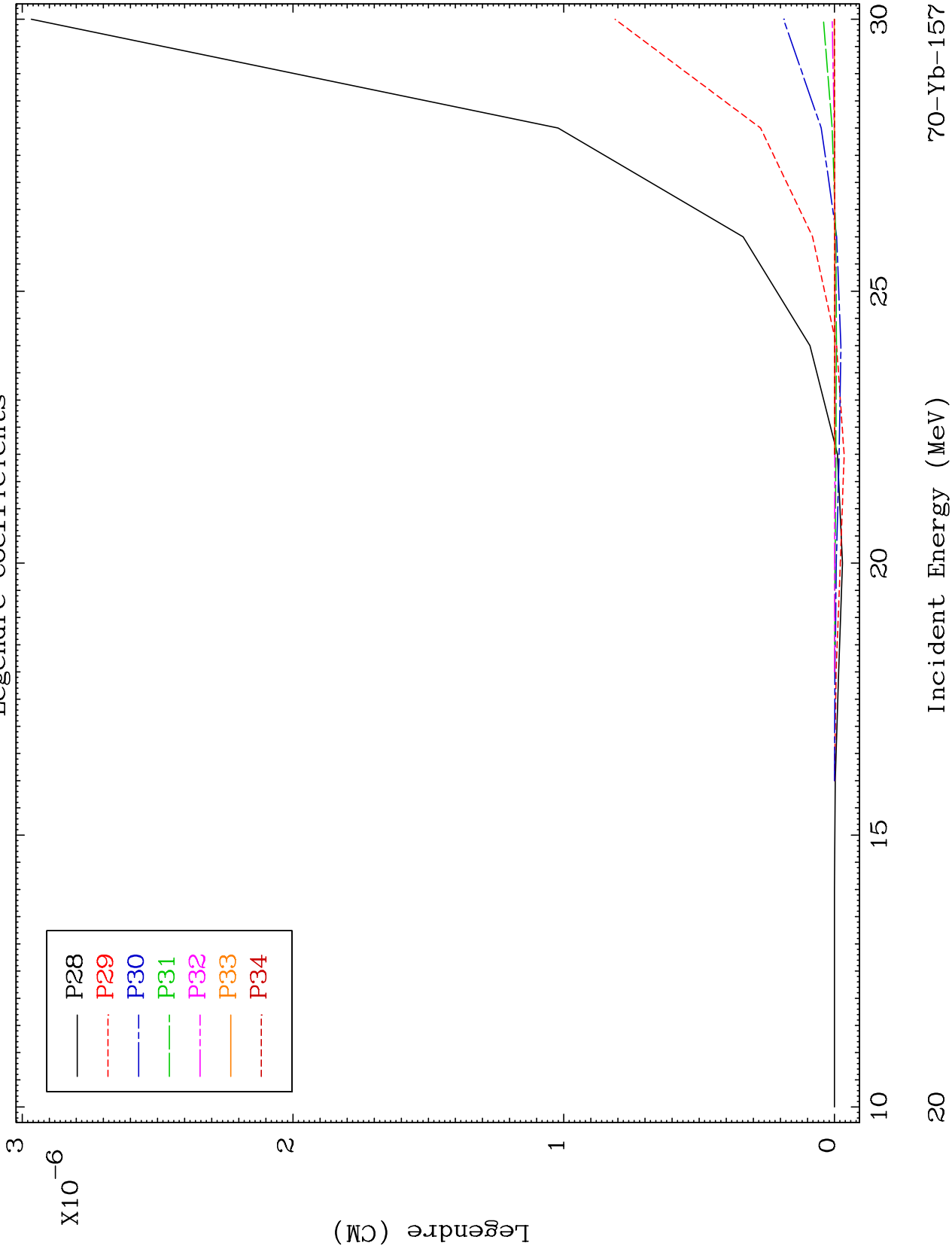
19

70-Yb-157

MAT 6992

Elastic Legendre Coefficients

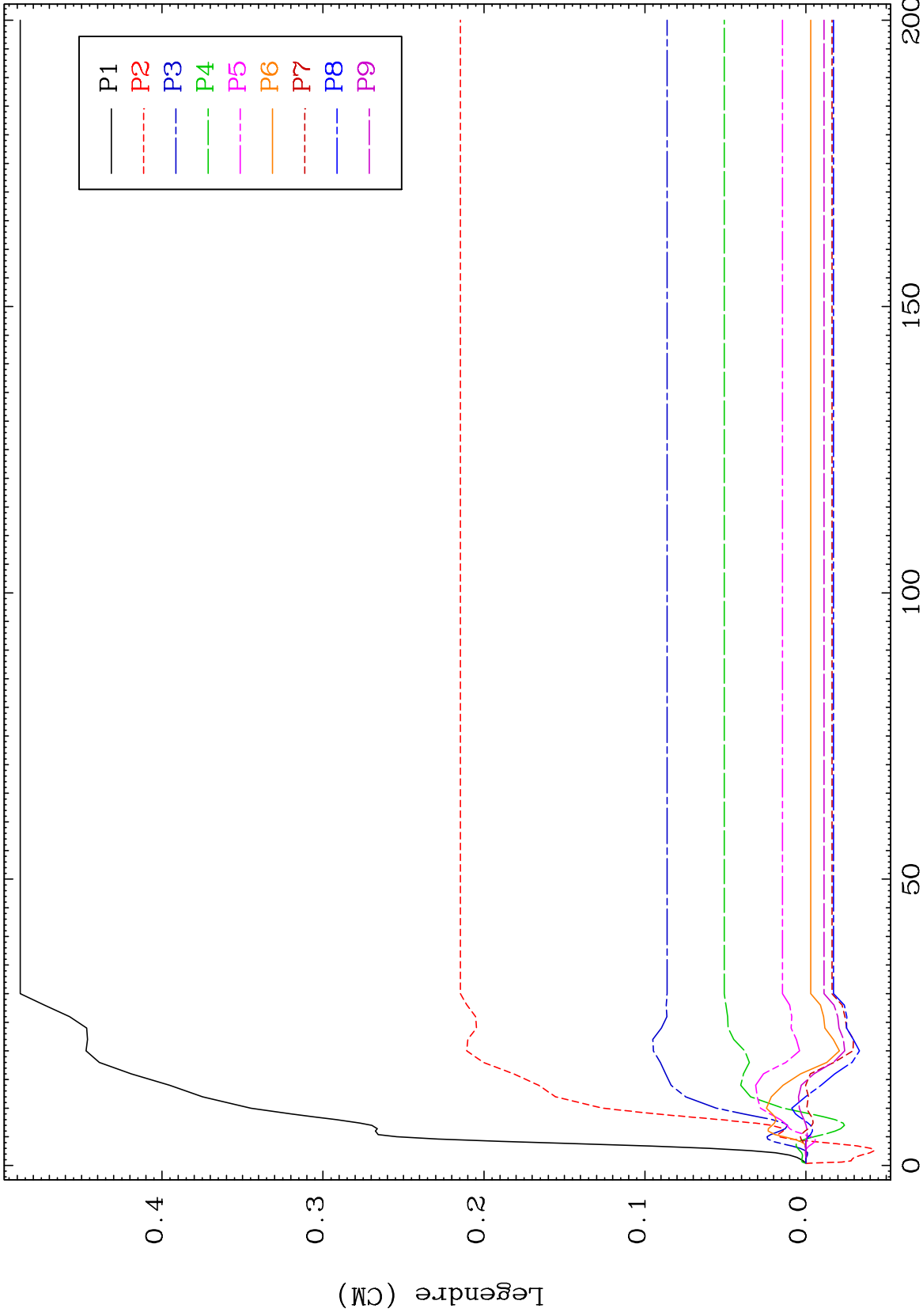
70-Yb-157



MAT 6992

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

70-Yb-157



21

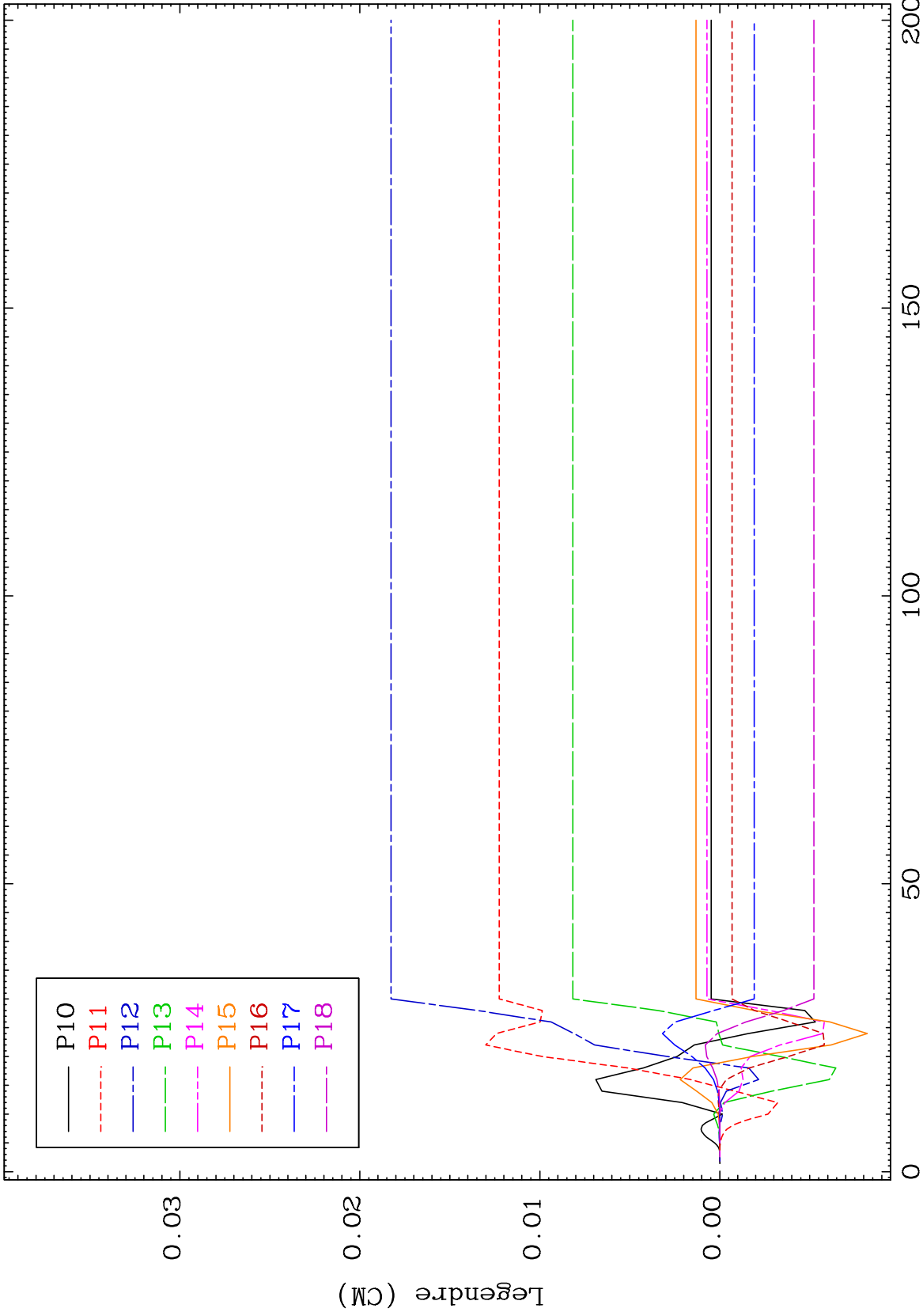
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



22

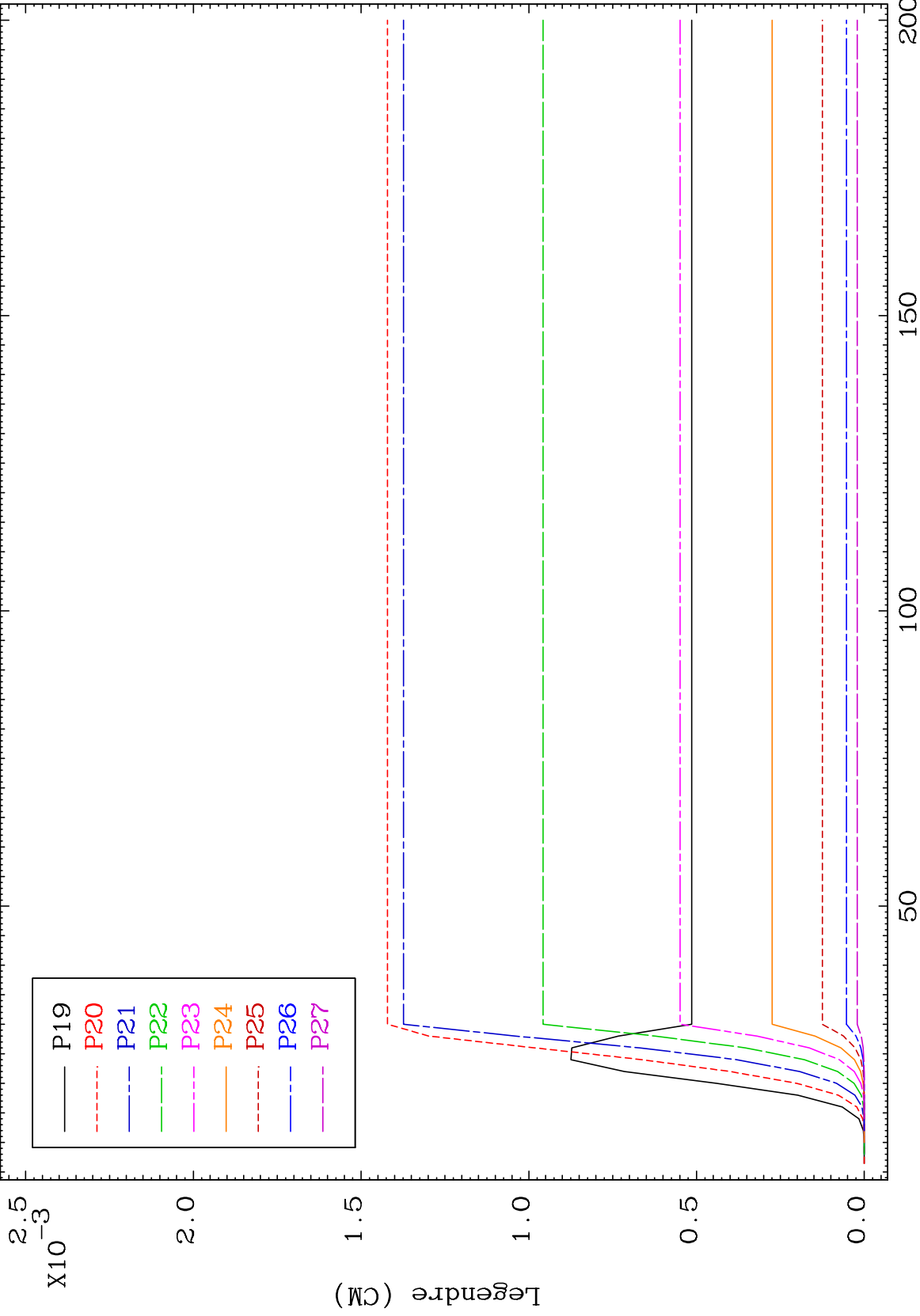
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

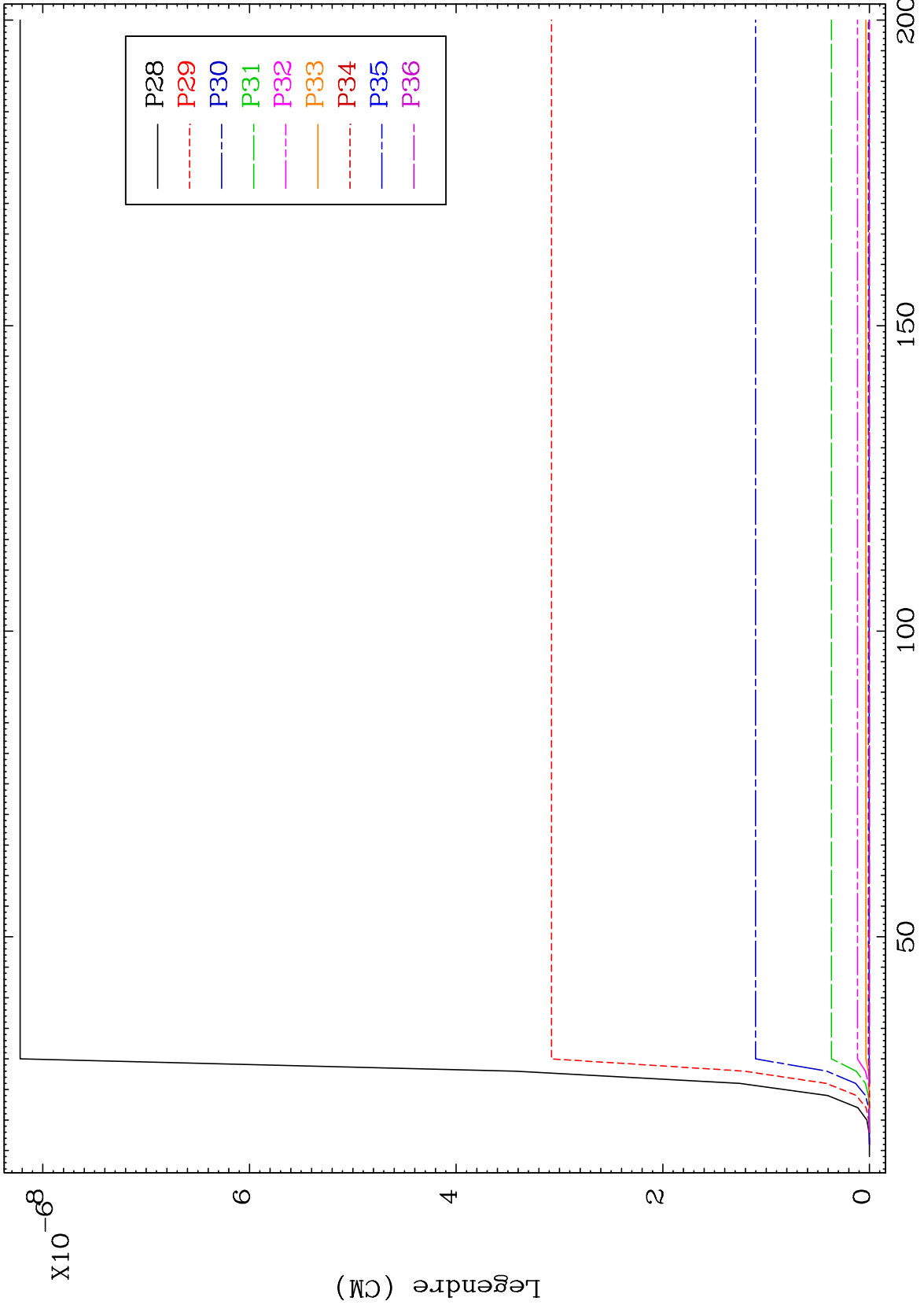
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MAT 6992

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

70-Yb-157



24

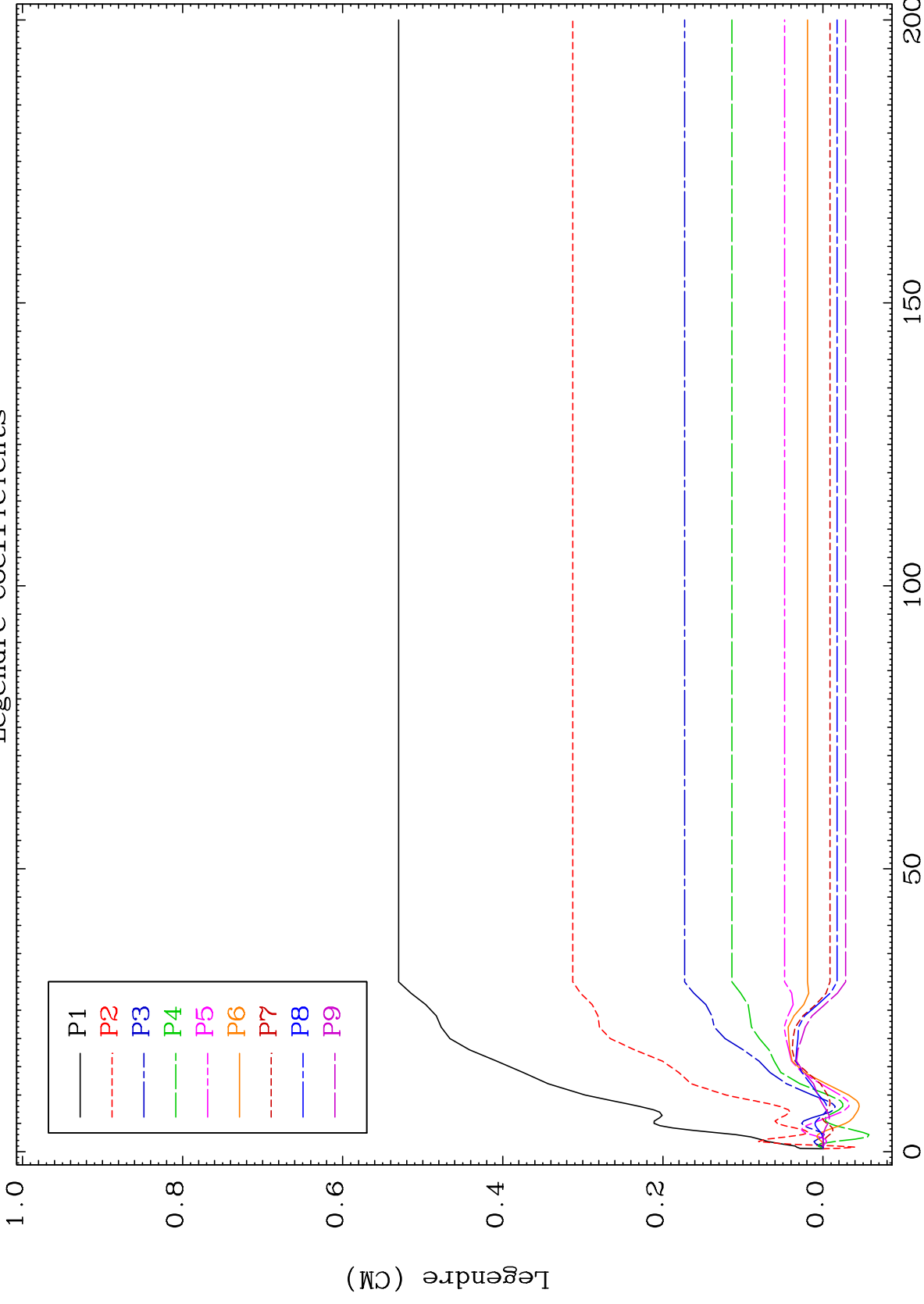
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



70-Yb-157

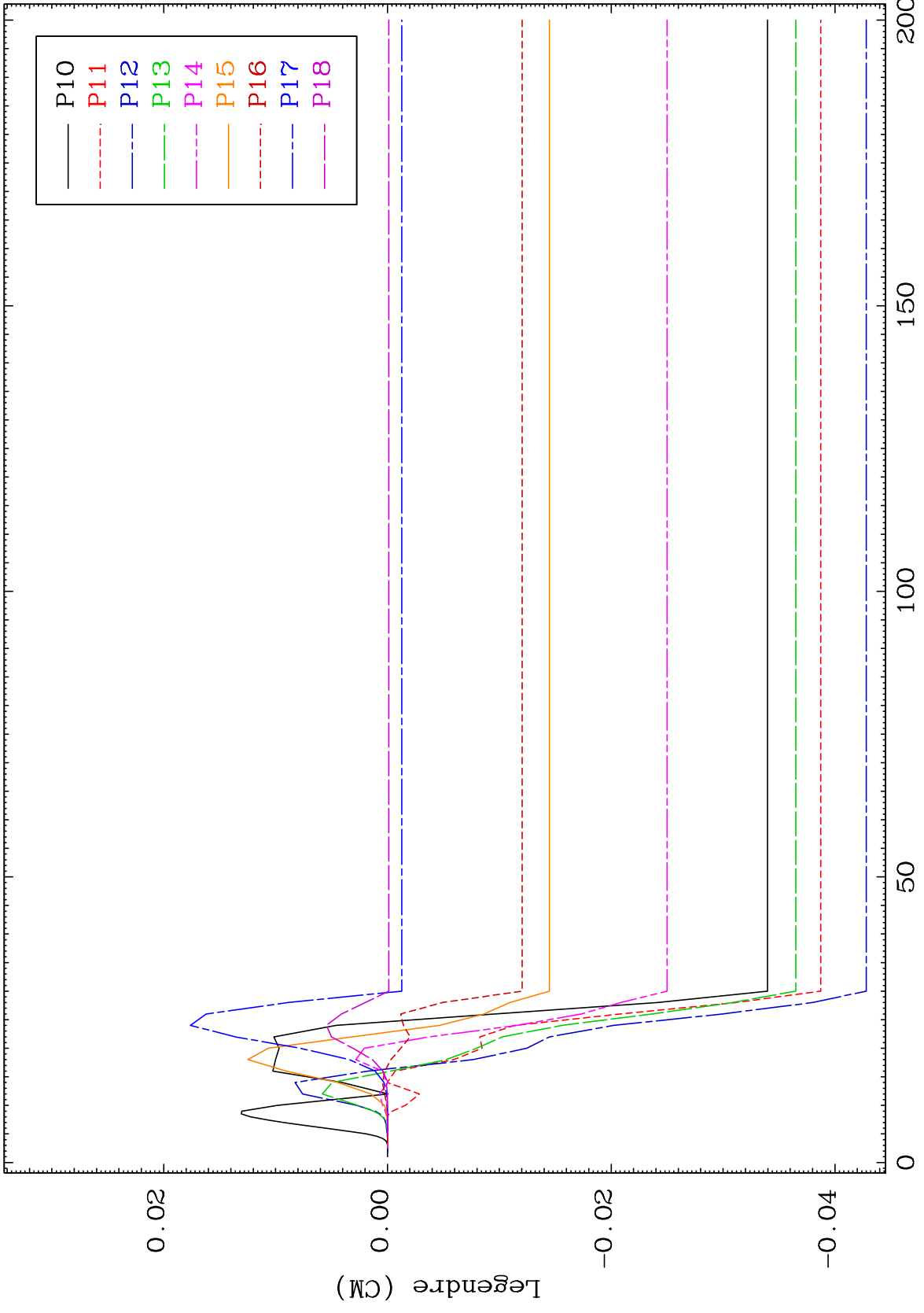
Incident Energy (MeV)

25

MAT 6992

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

70-Yb-157



26

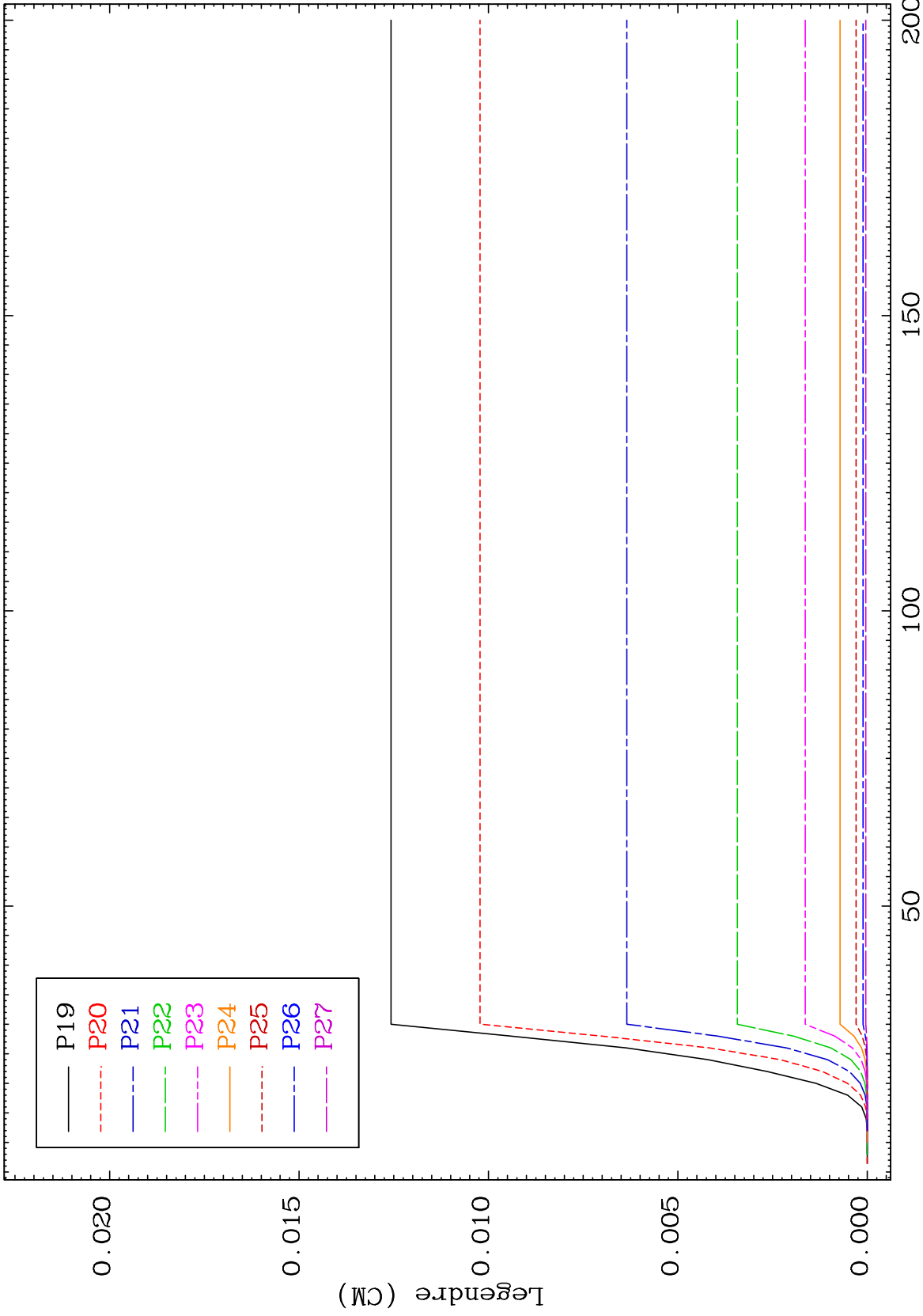
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



27

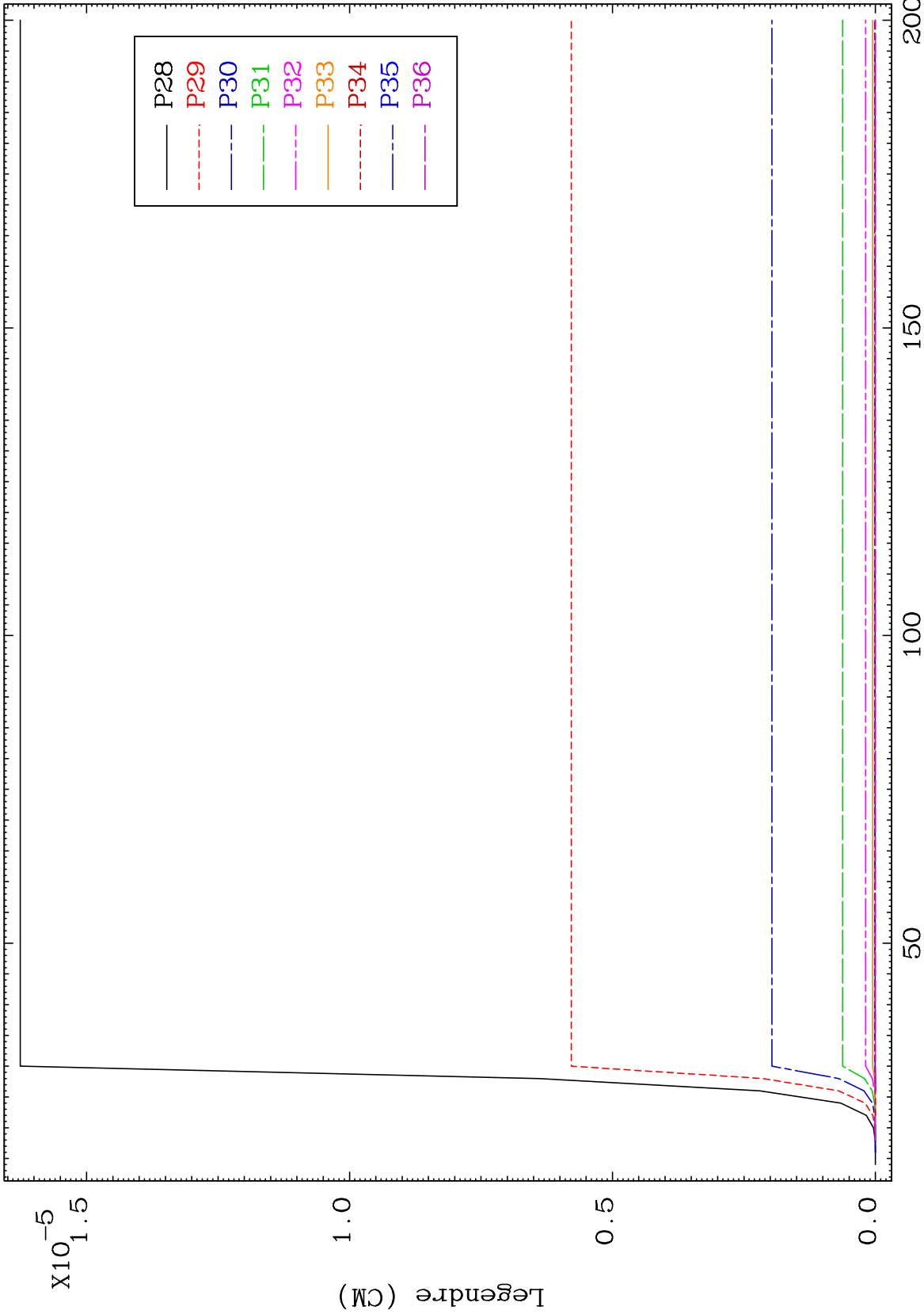
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



28

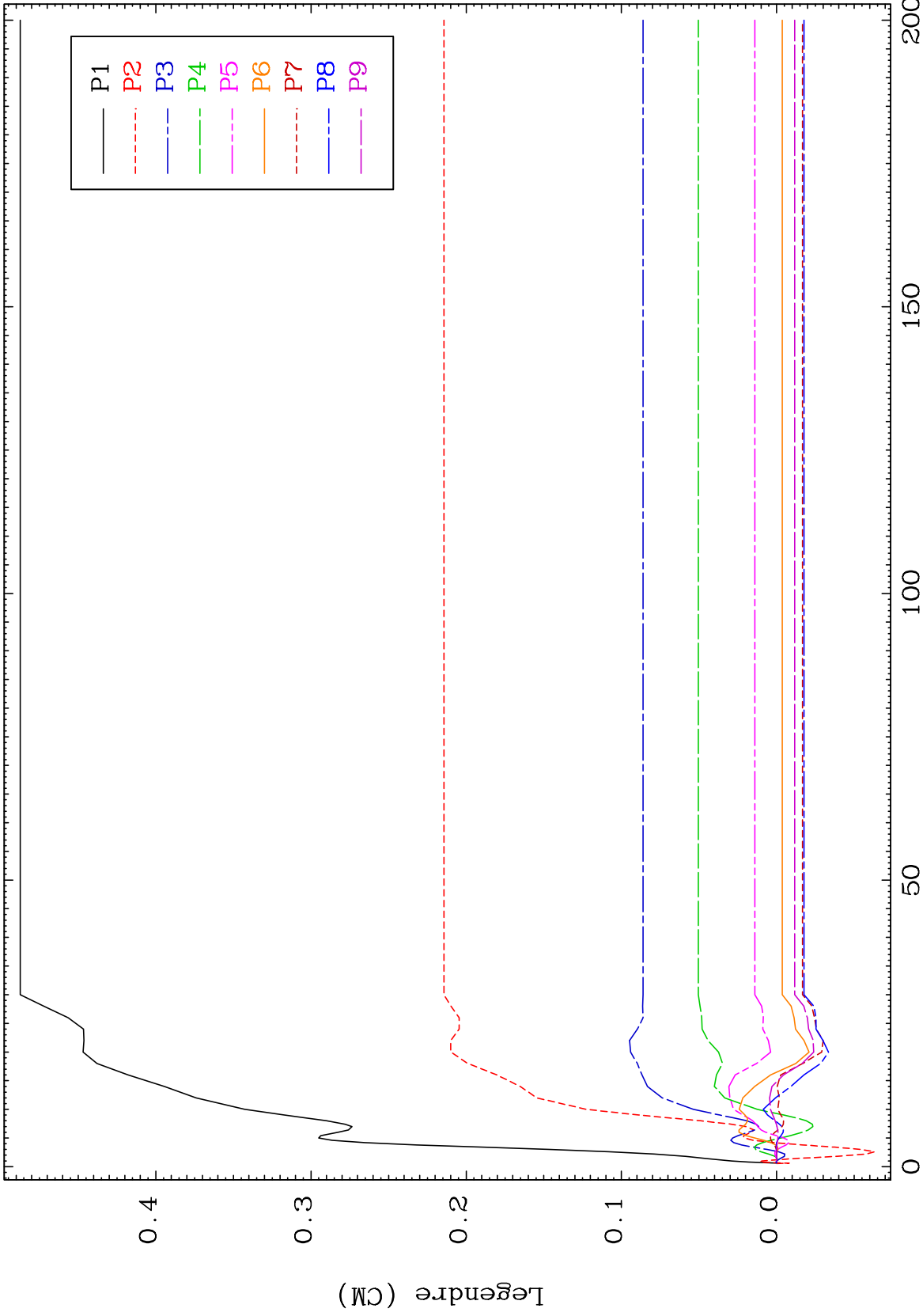
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



29

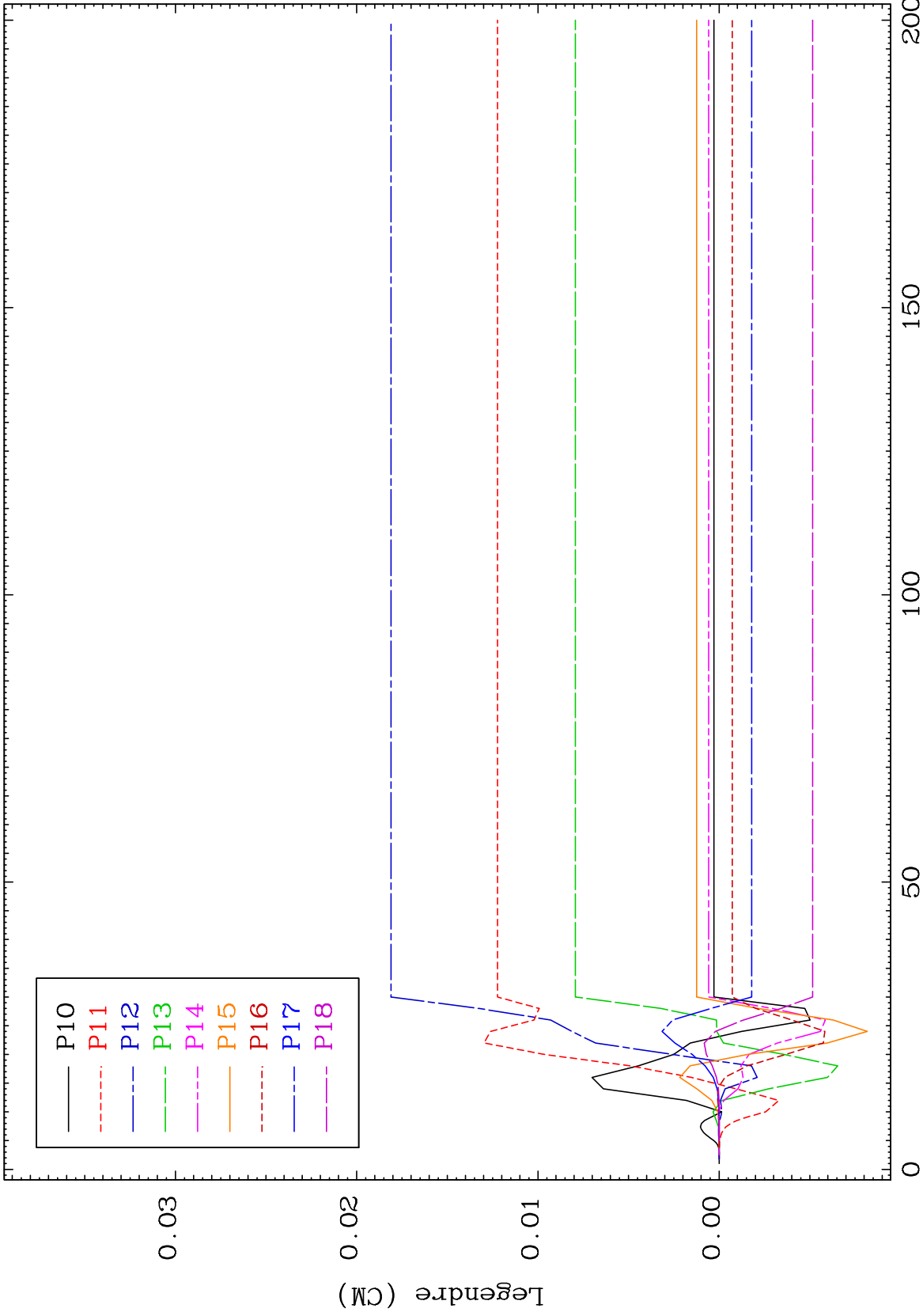
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



0

50

100

150

200

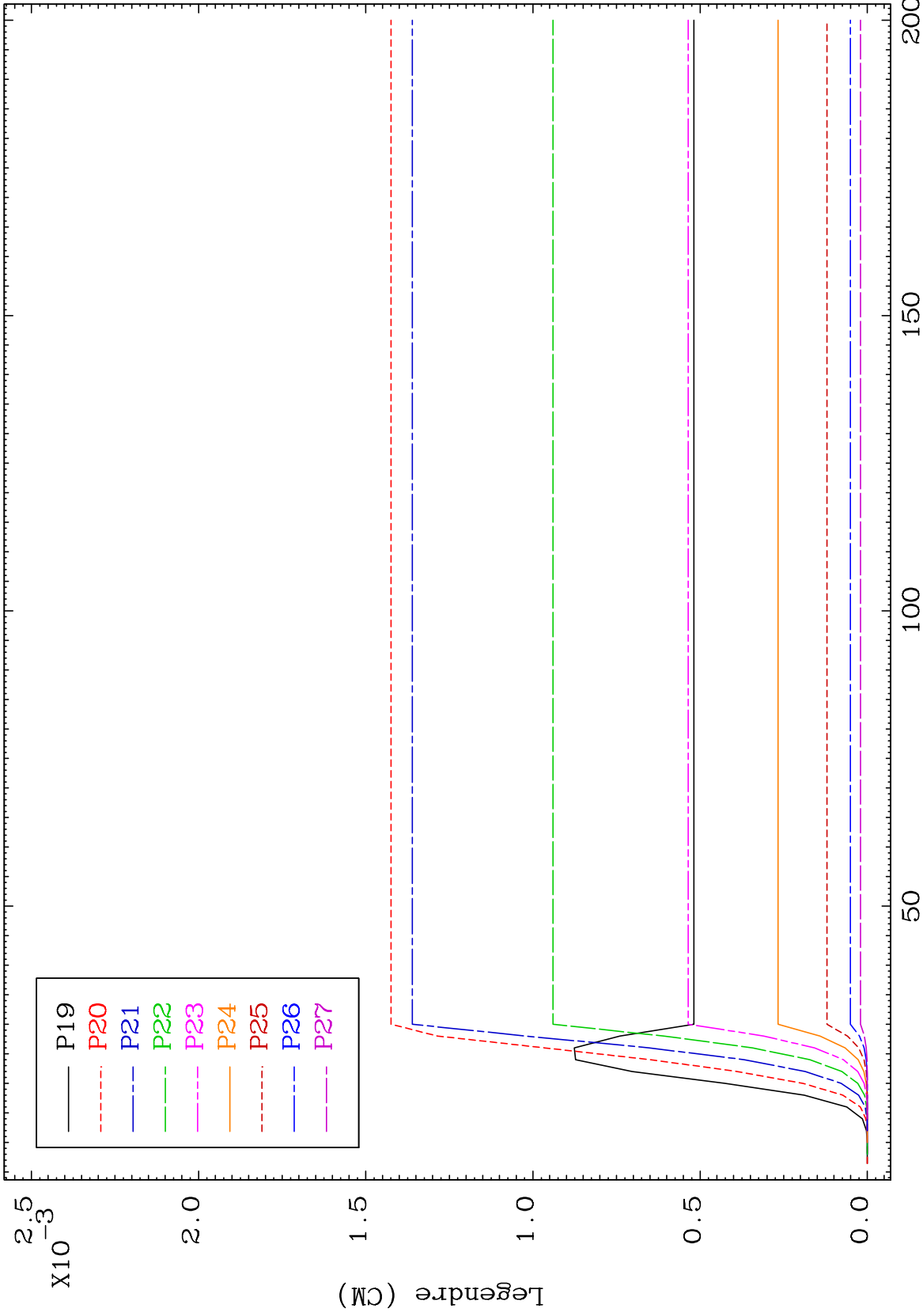
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



31

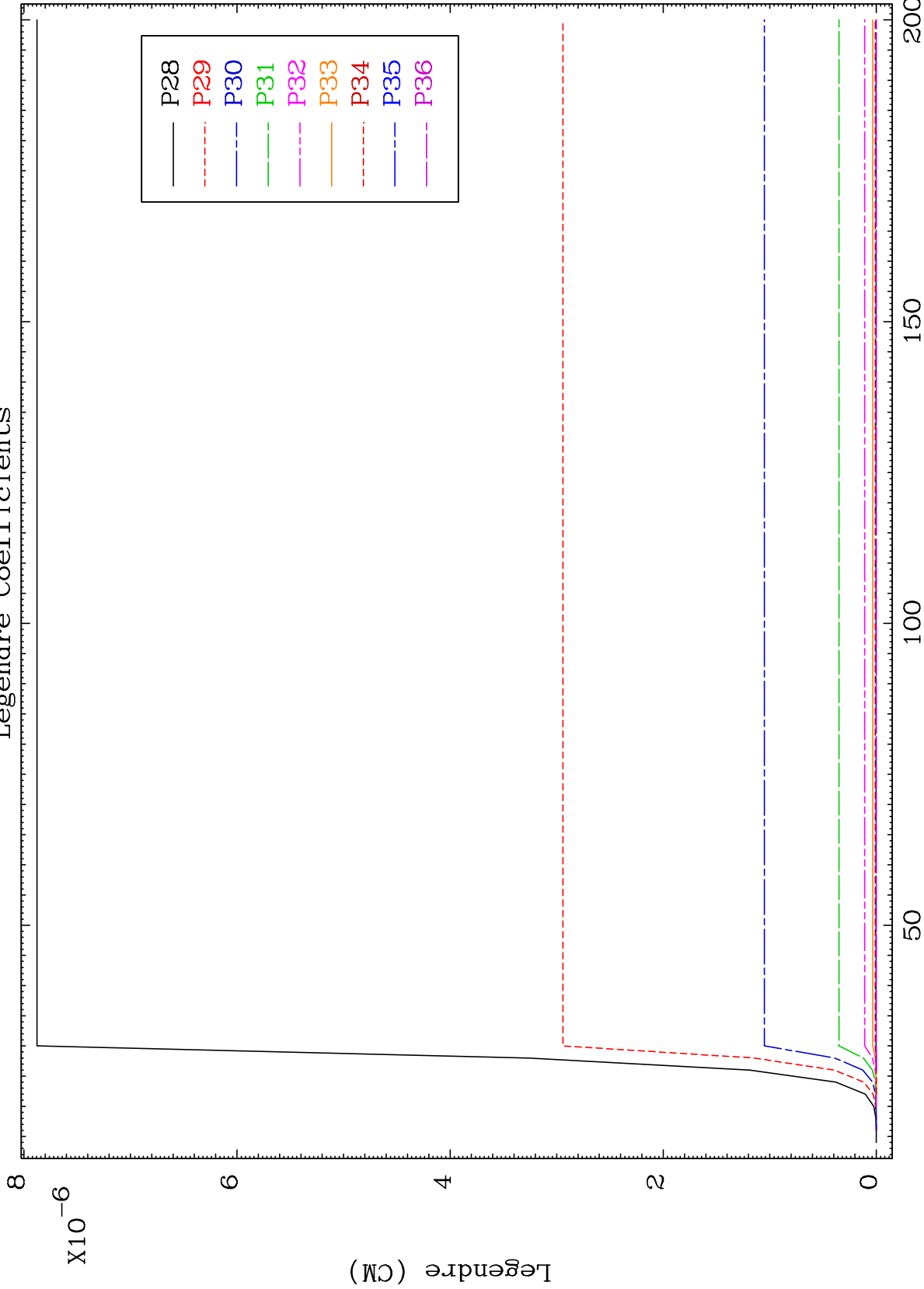
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



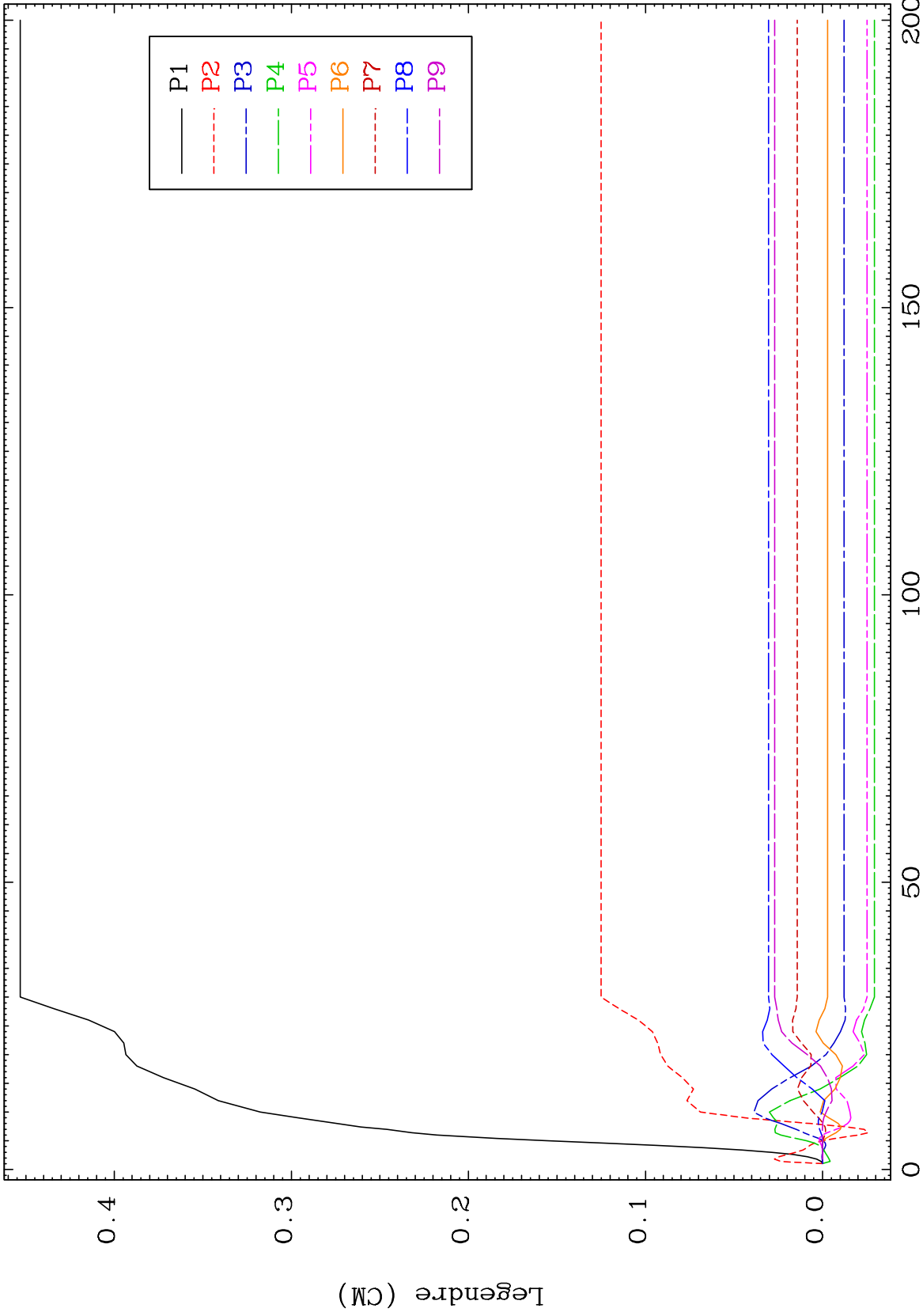
32

70-Yb-157

MAT 6992

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

70-Yb-157



33

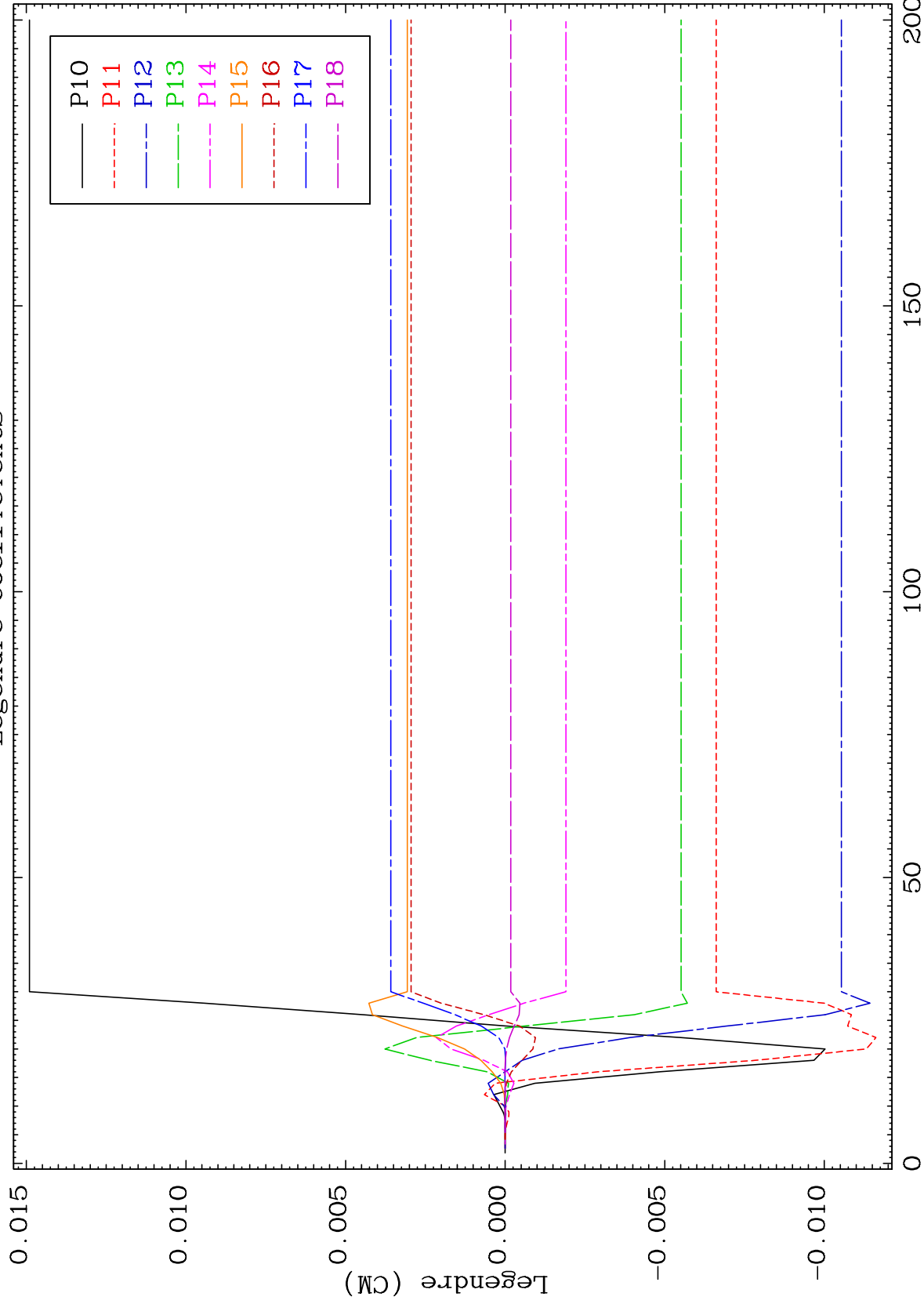
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157

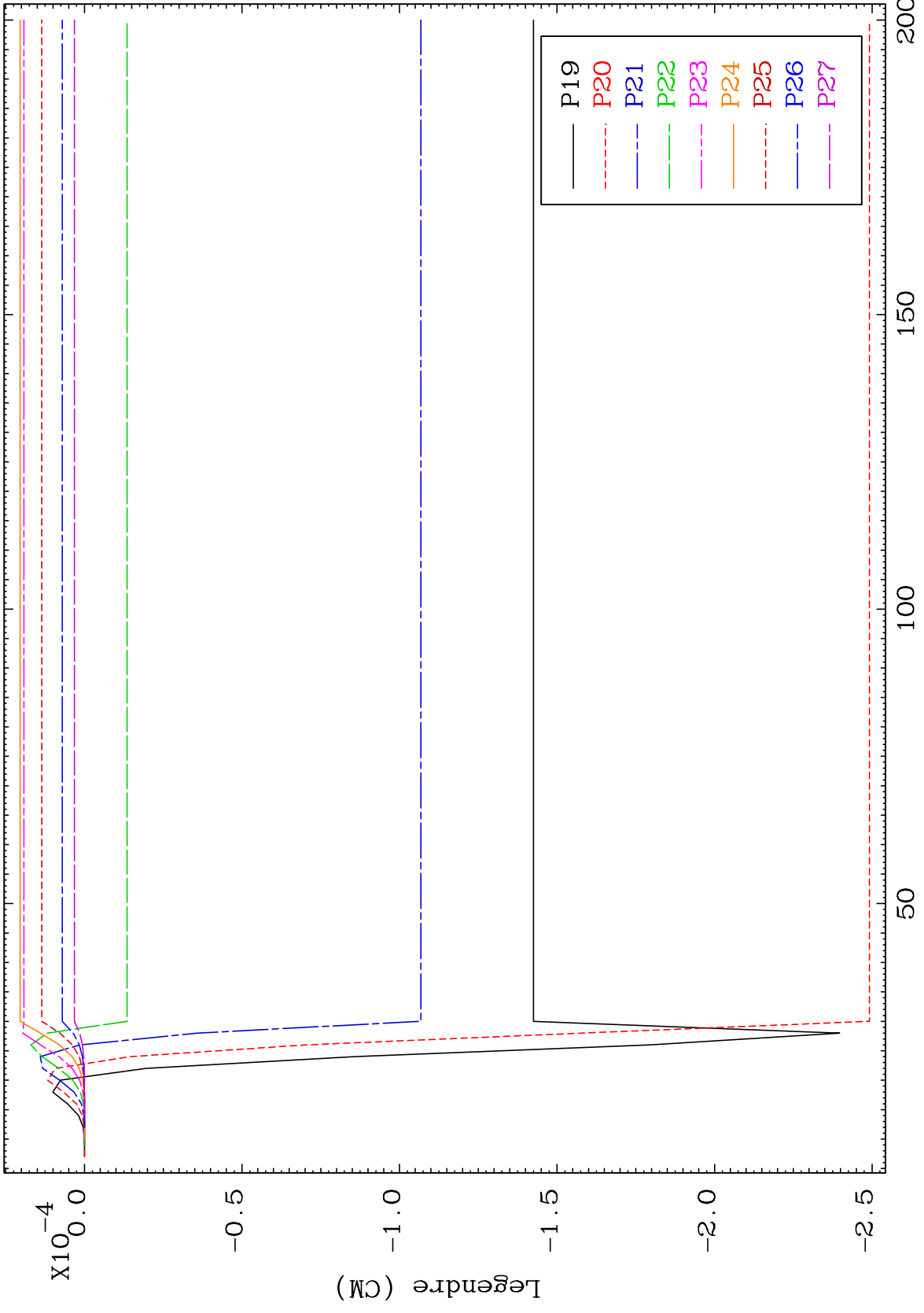


34

Incident Energy (MeV)

70-Yb-157

MAT 6992 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-157

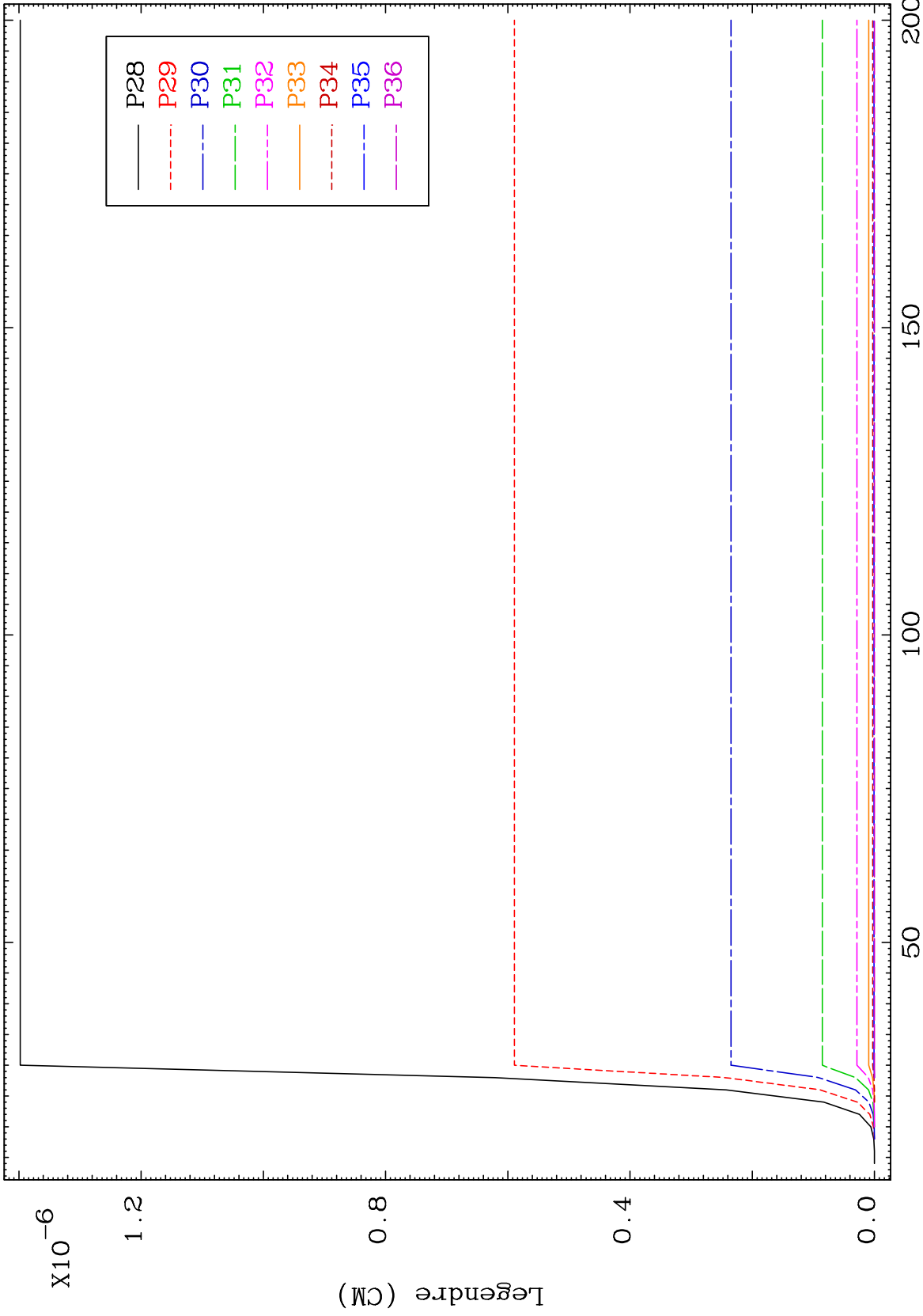


35 Incident Energy (MeV) 70-Yb-157

MAT 6992

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

70-Yb-157

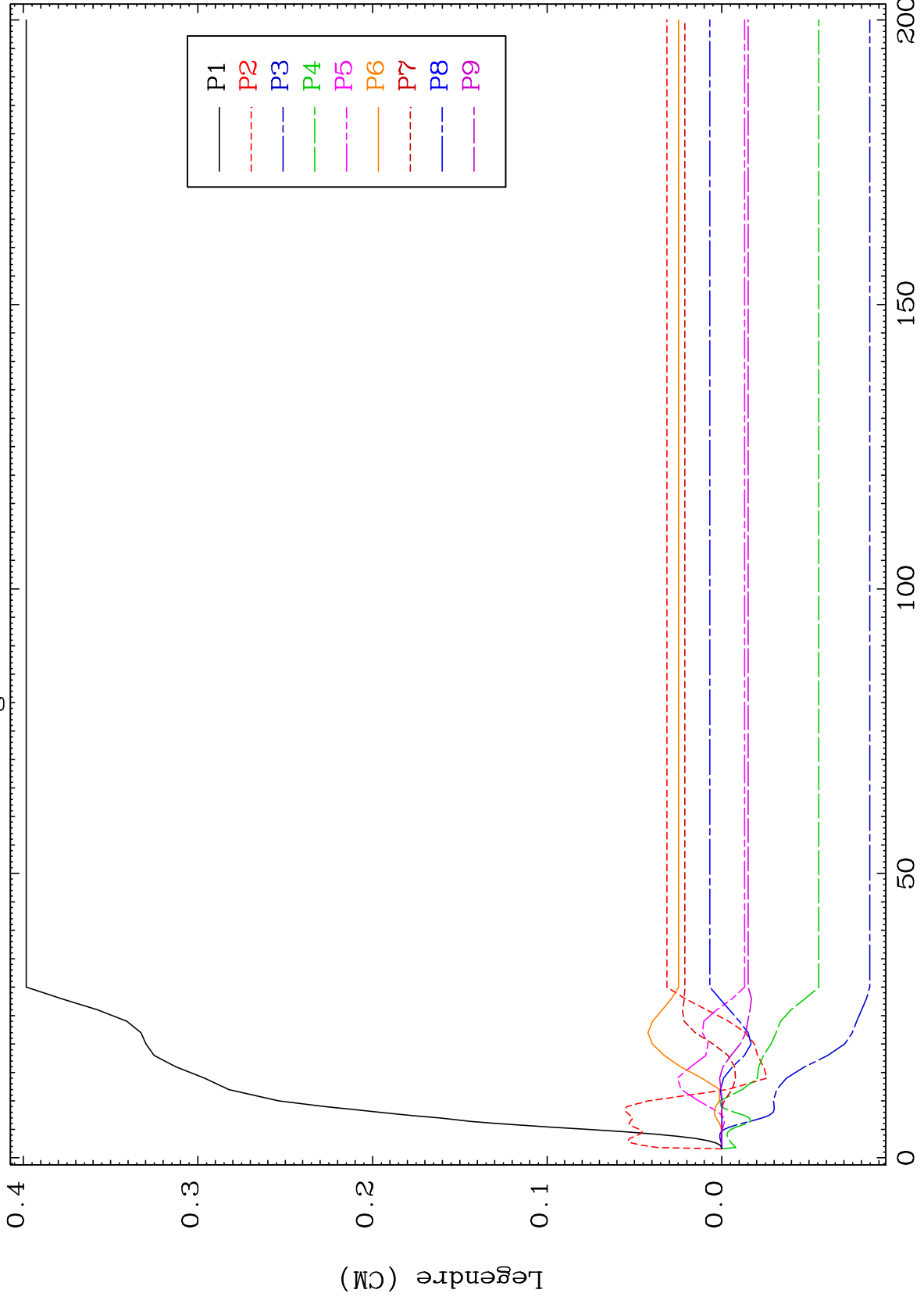


36

Incident Energy (MeV)

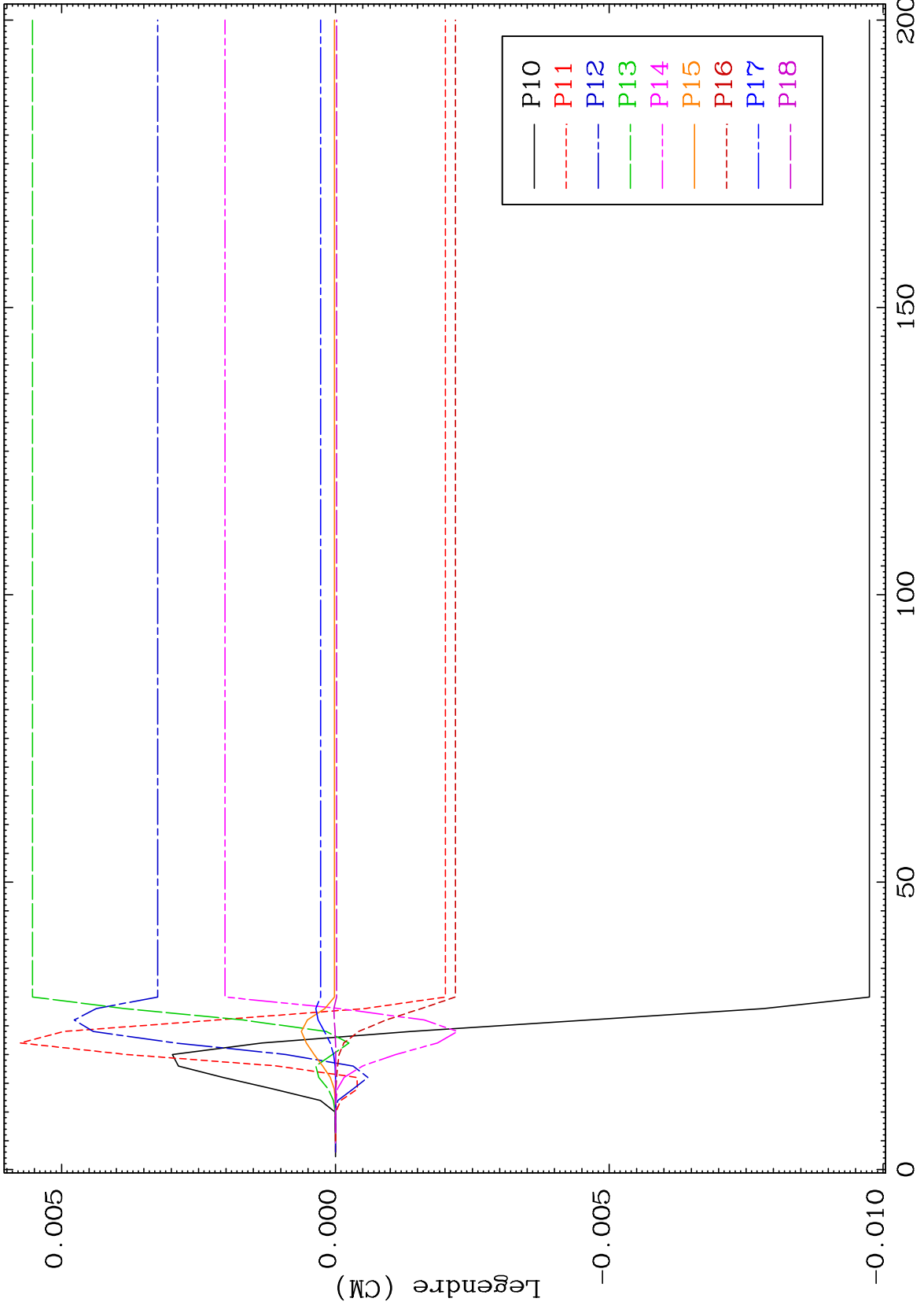
70-Yb-157

MAT 6992 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-157



37 Incident Energy (MeV) 70-Yb-157

MAT 6992 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-157

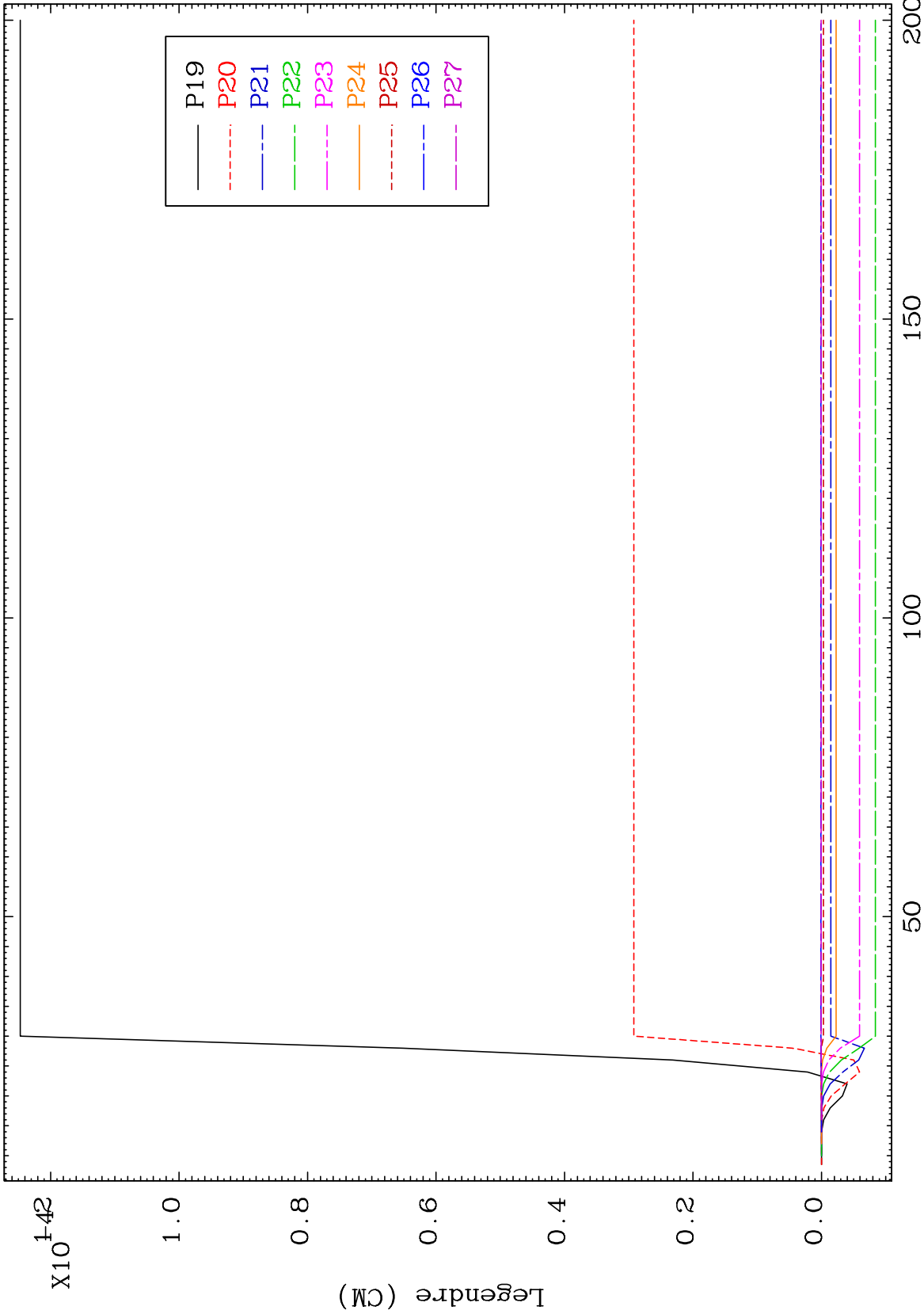


38 70-Yb-157

MAT 6992

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

70-Yb-157



39

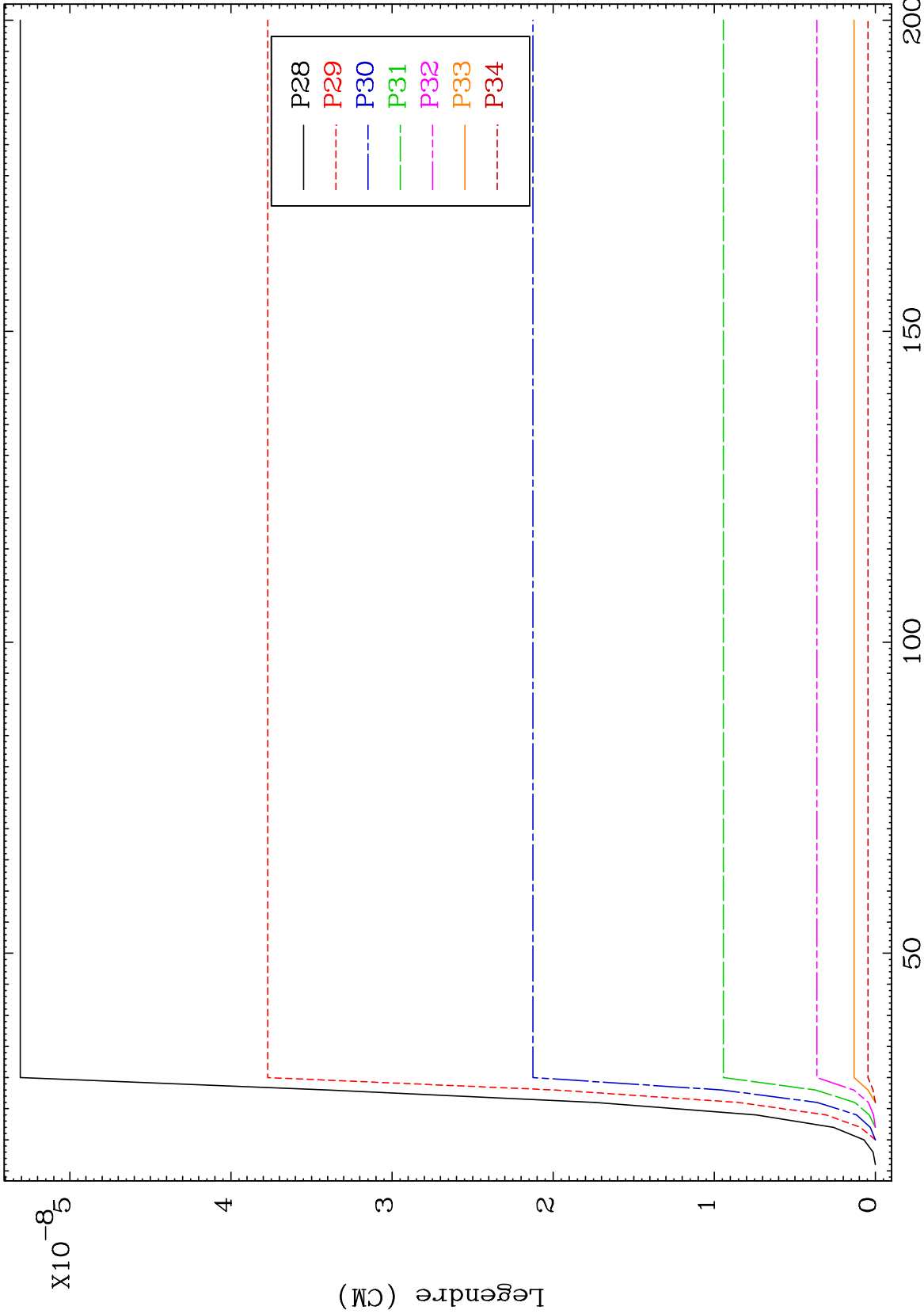
Incident Energy (MeV)

70-Yb-157

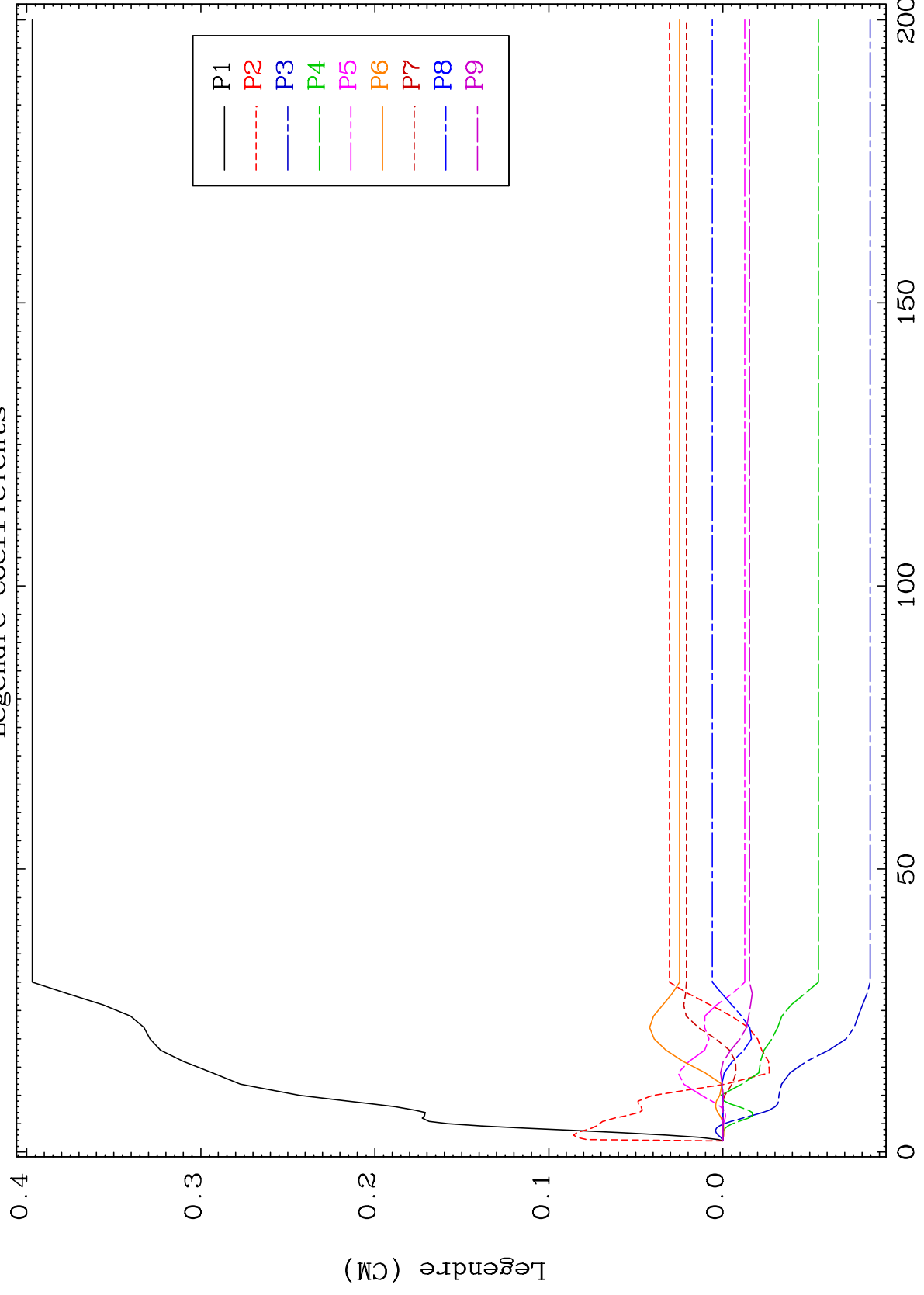
MAT 6992

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

70-Yb-157



MAT 6992 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-157

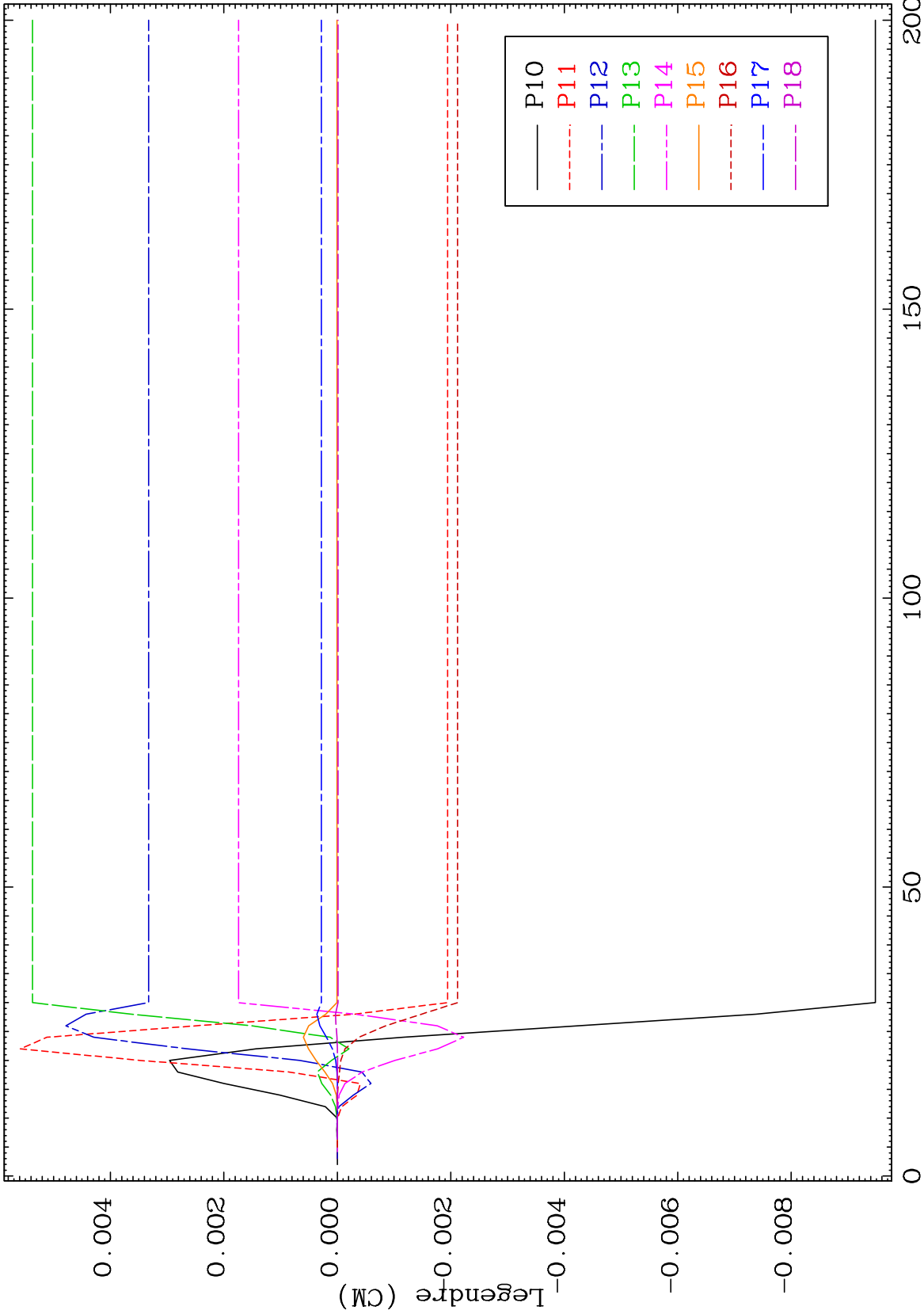


41 70-Yb-157

MAT 6992

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

70-Yb-157



42

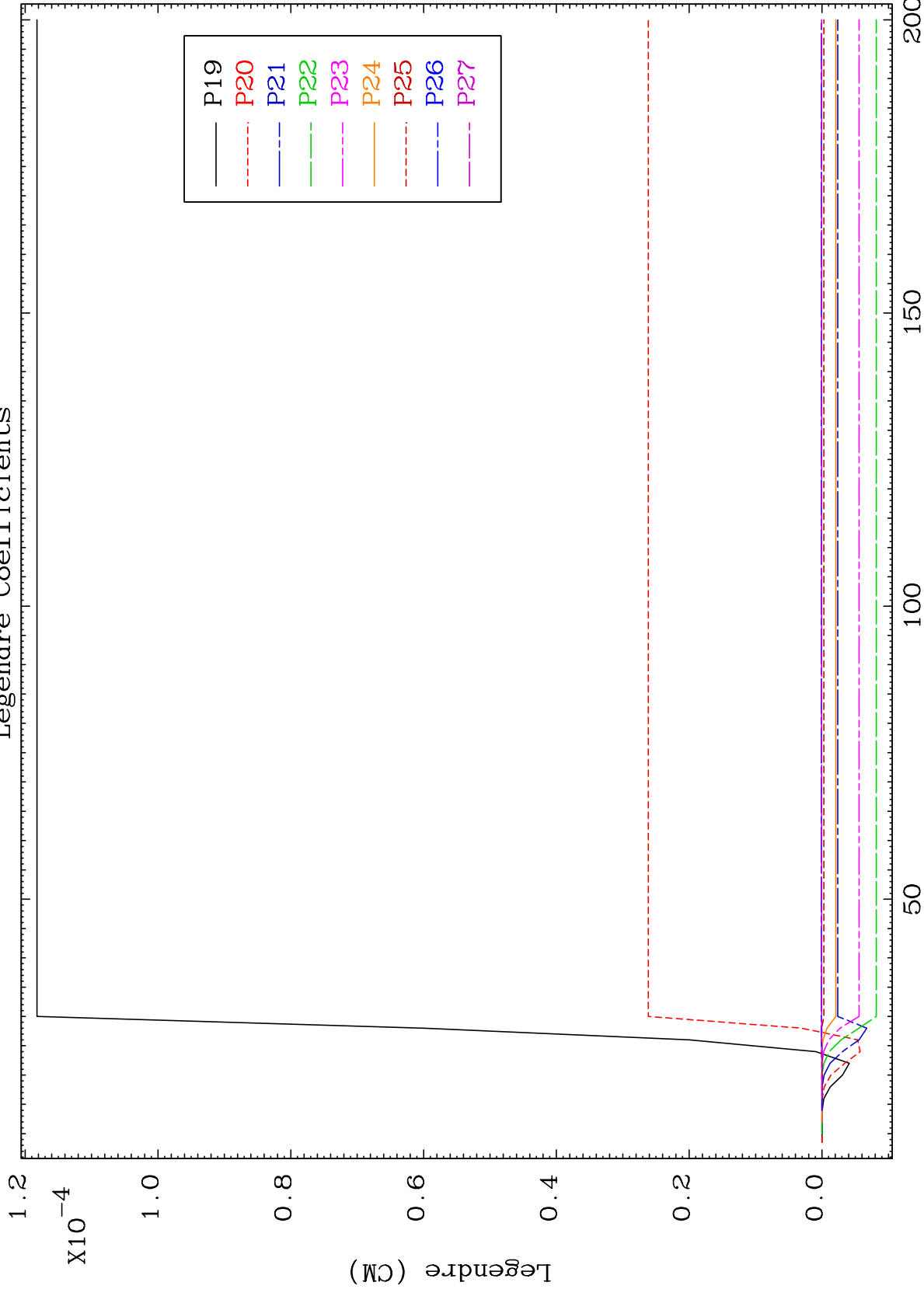
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



43

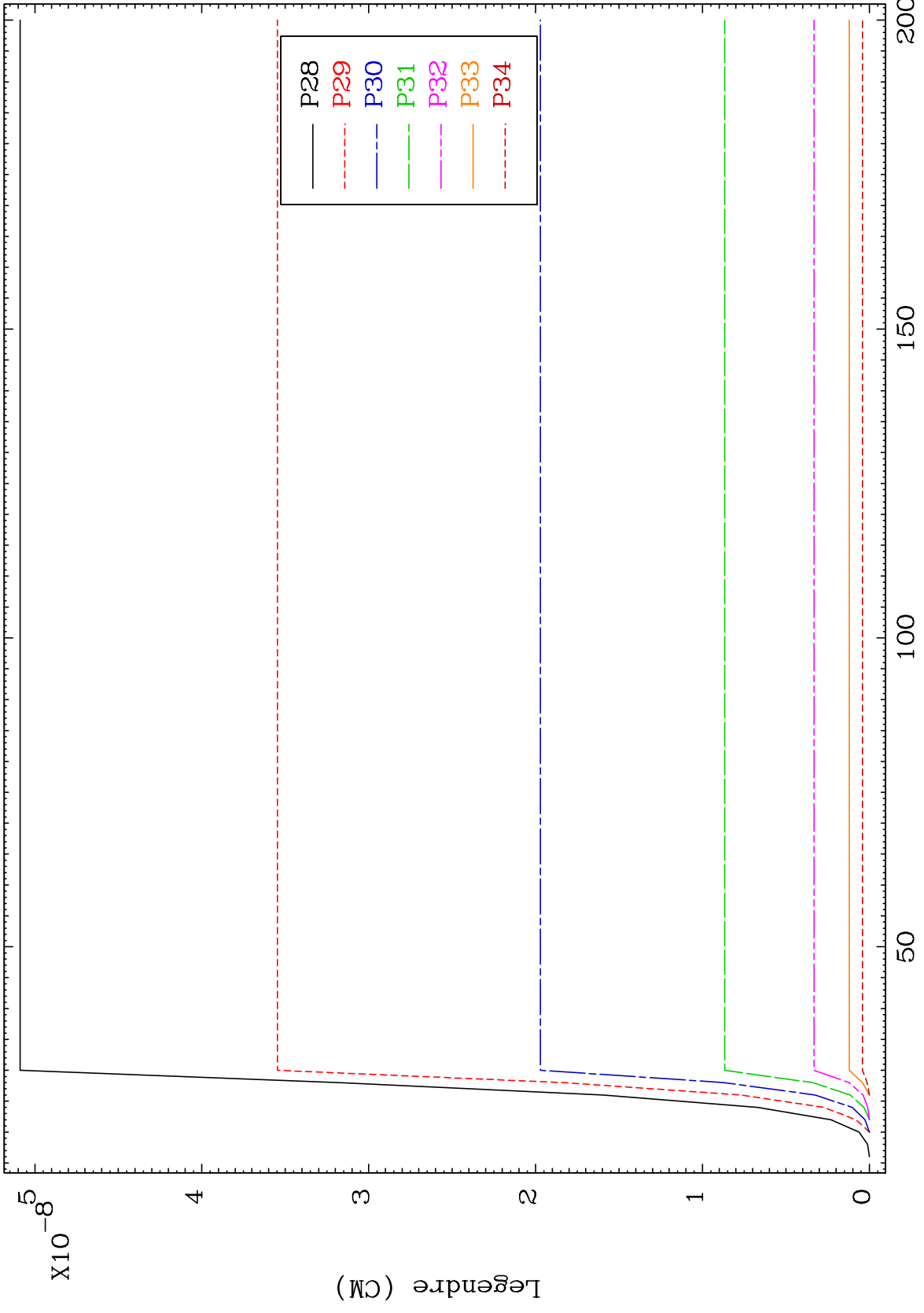
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



44

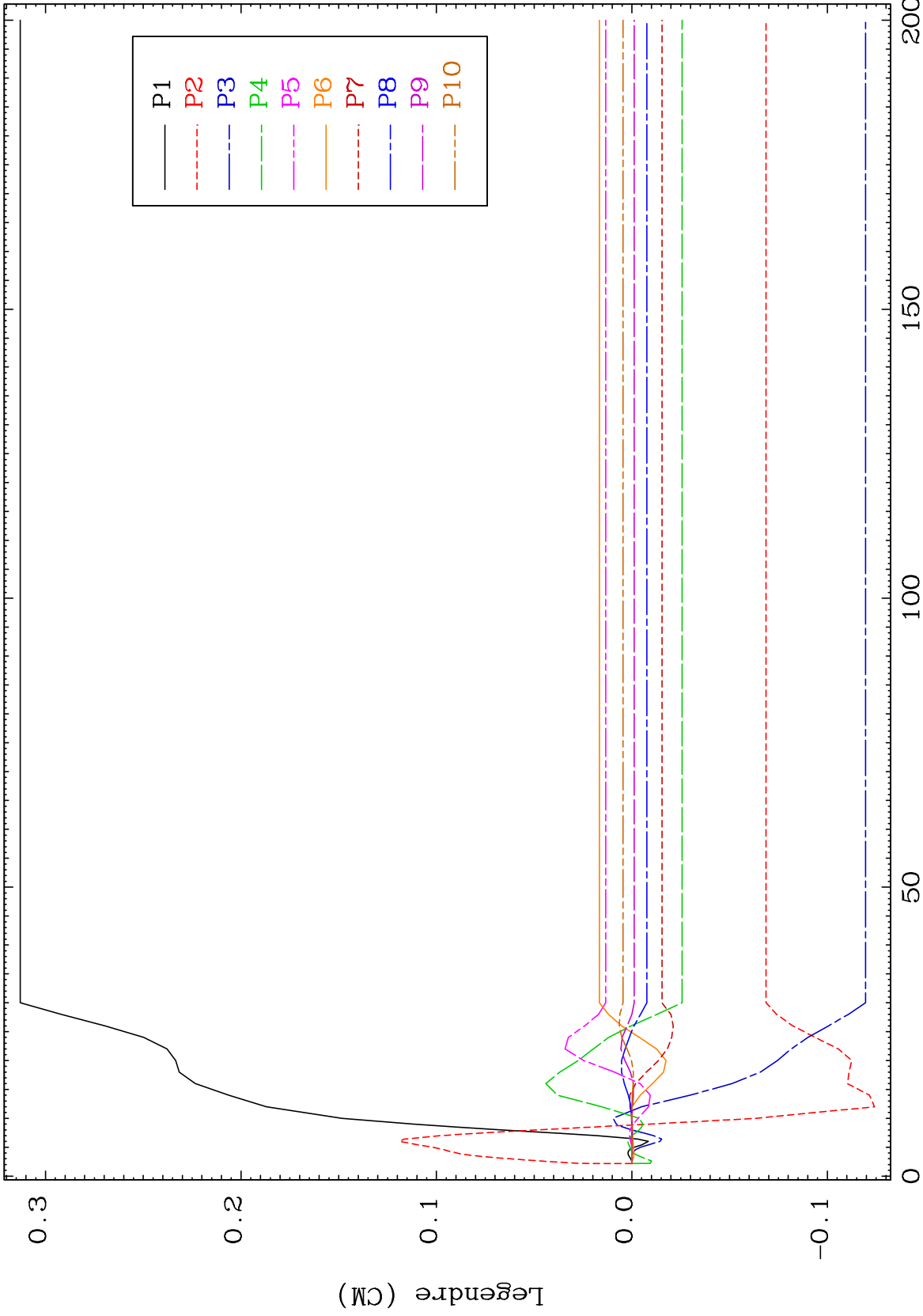
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



45

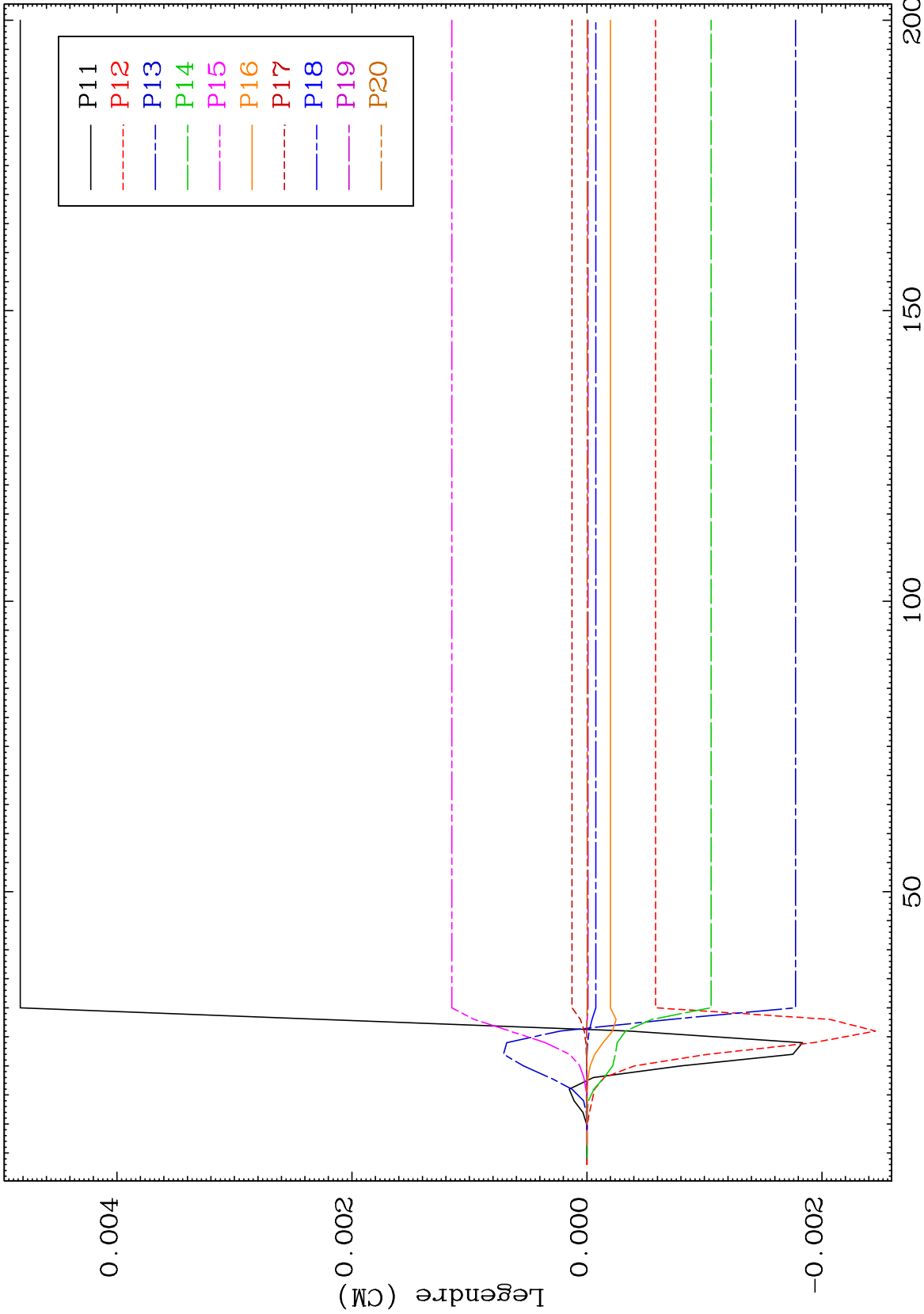
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



46

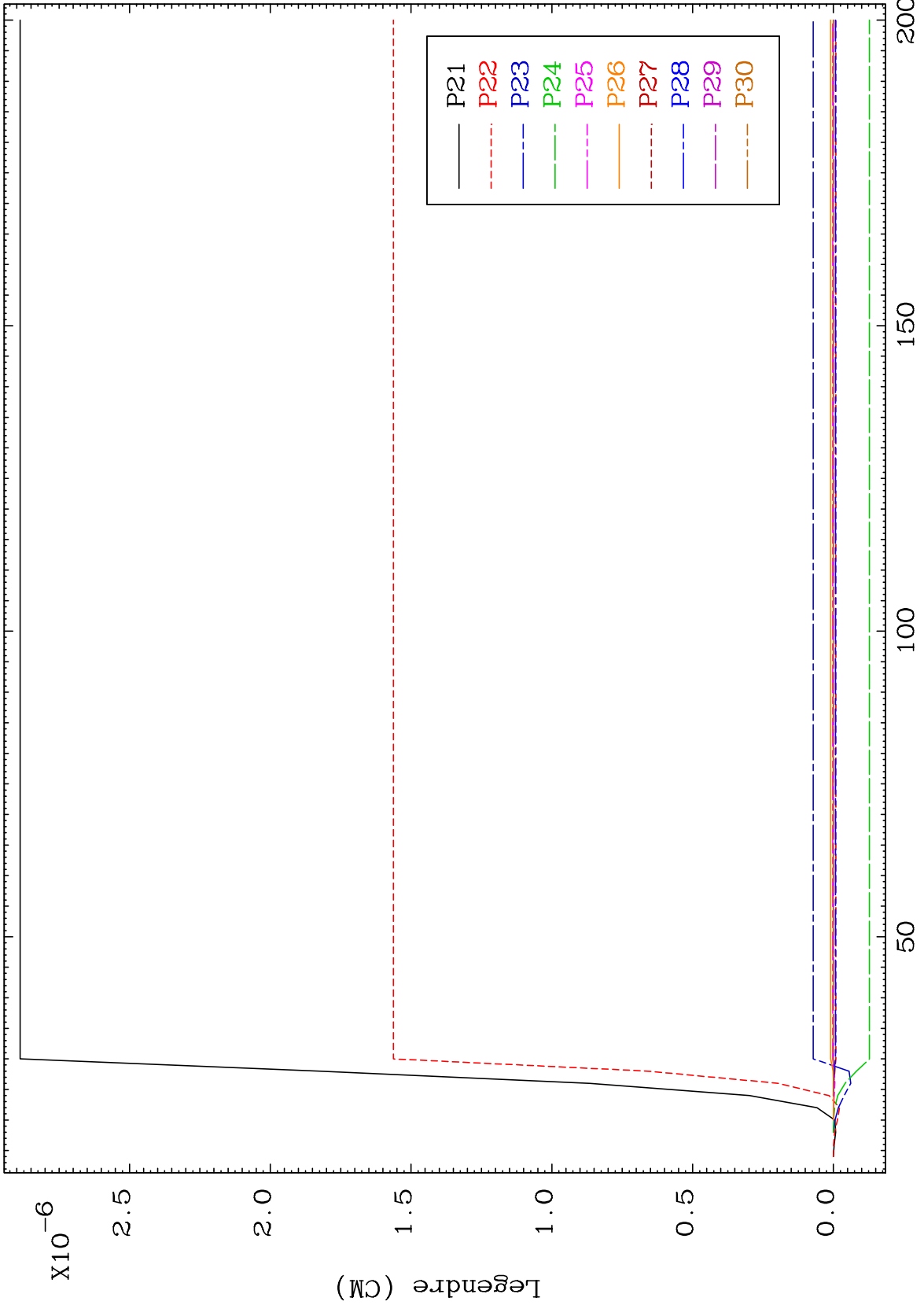
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

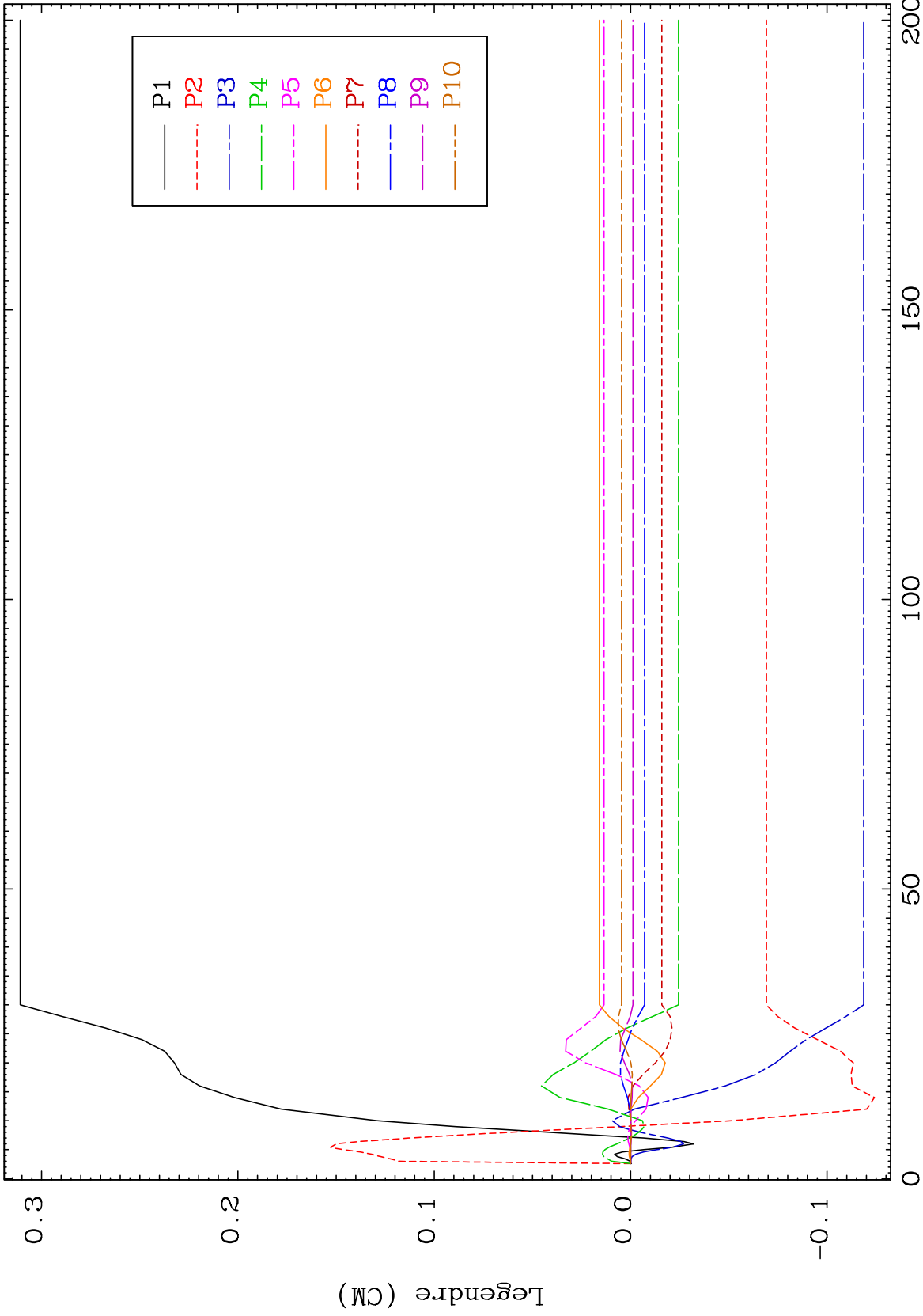
70-Yb-157



MAT 6992

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

70-Yb-157



48

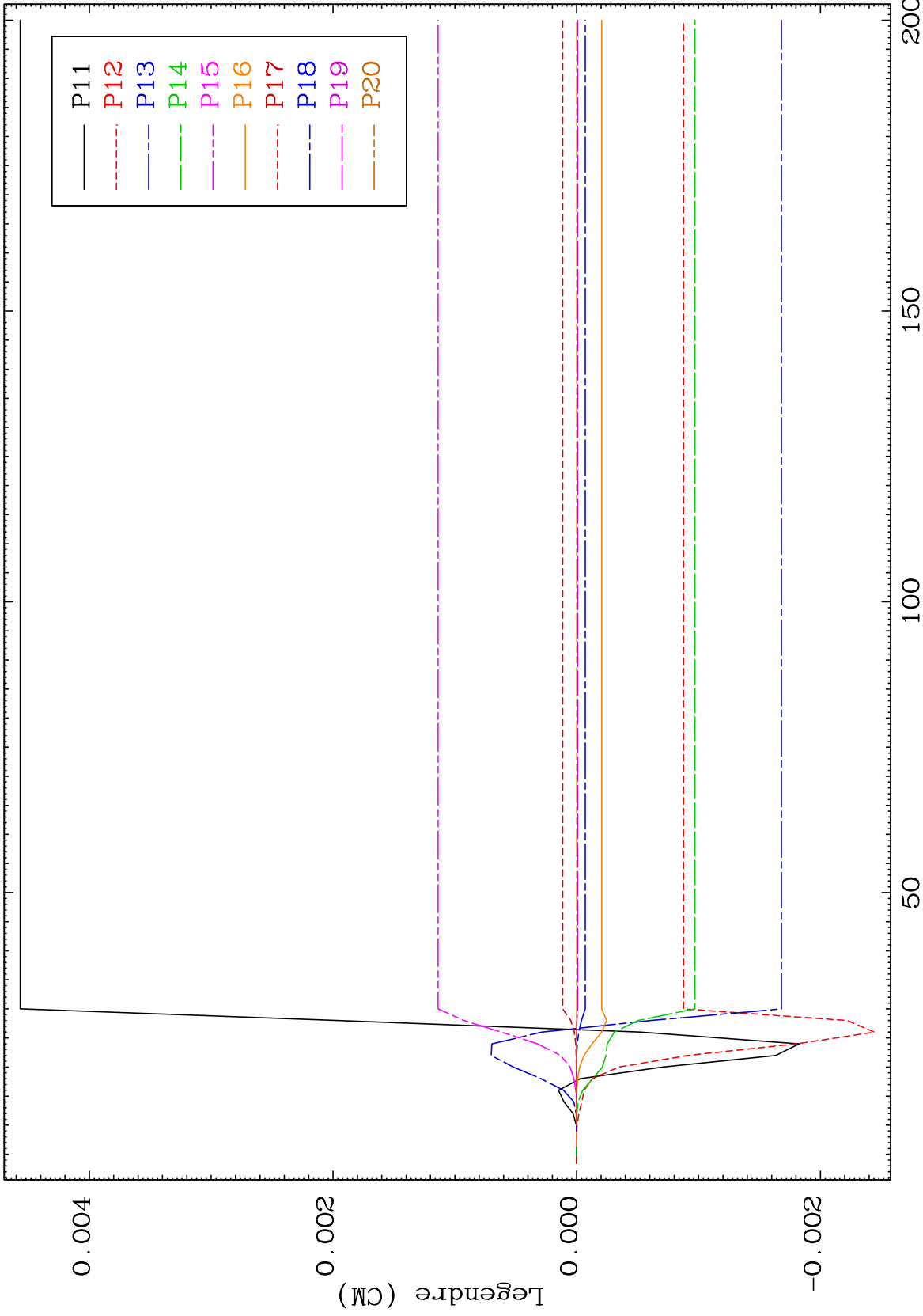
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



49

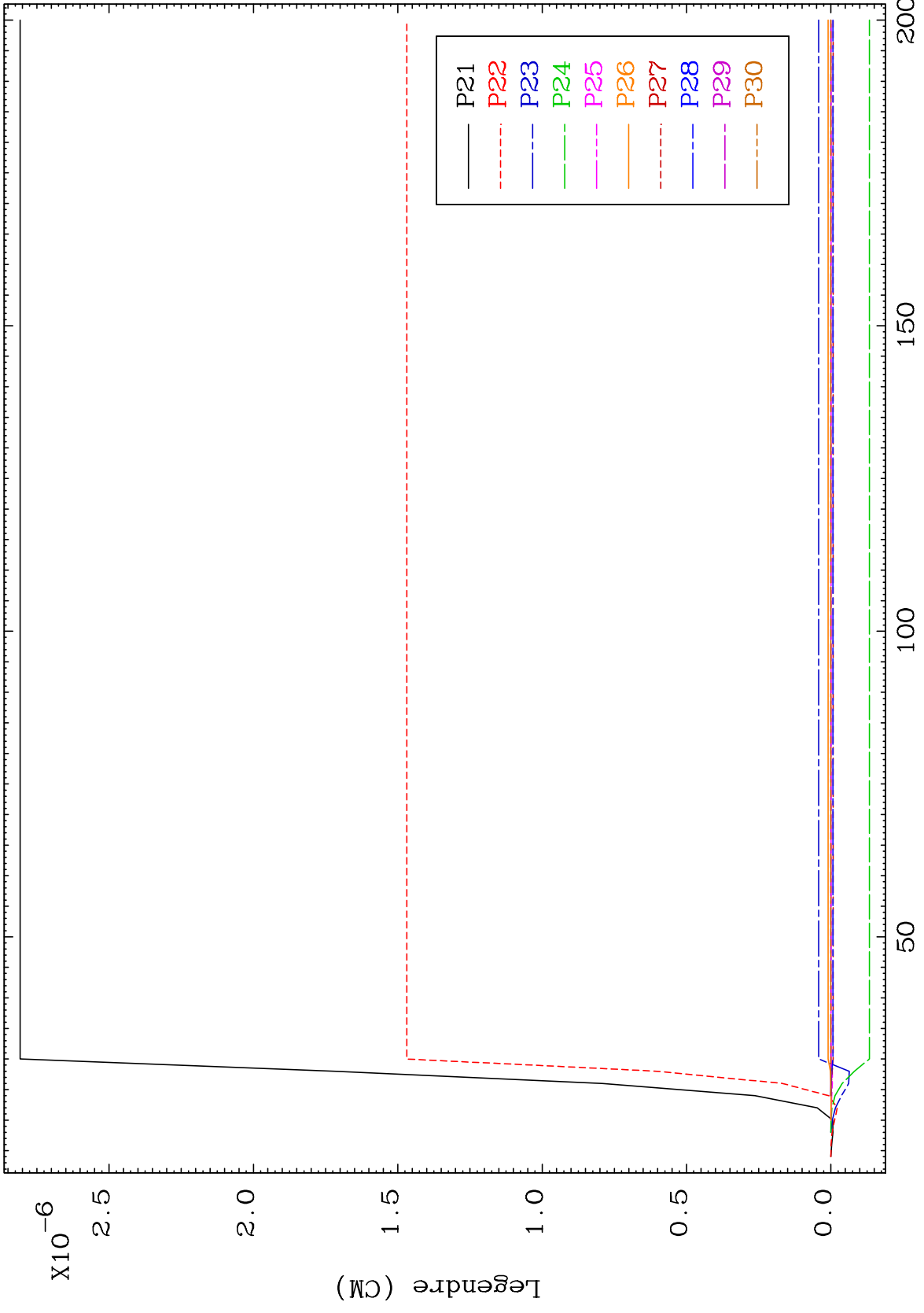
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



50

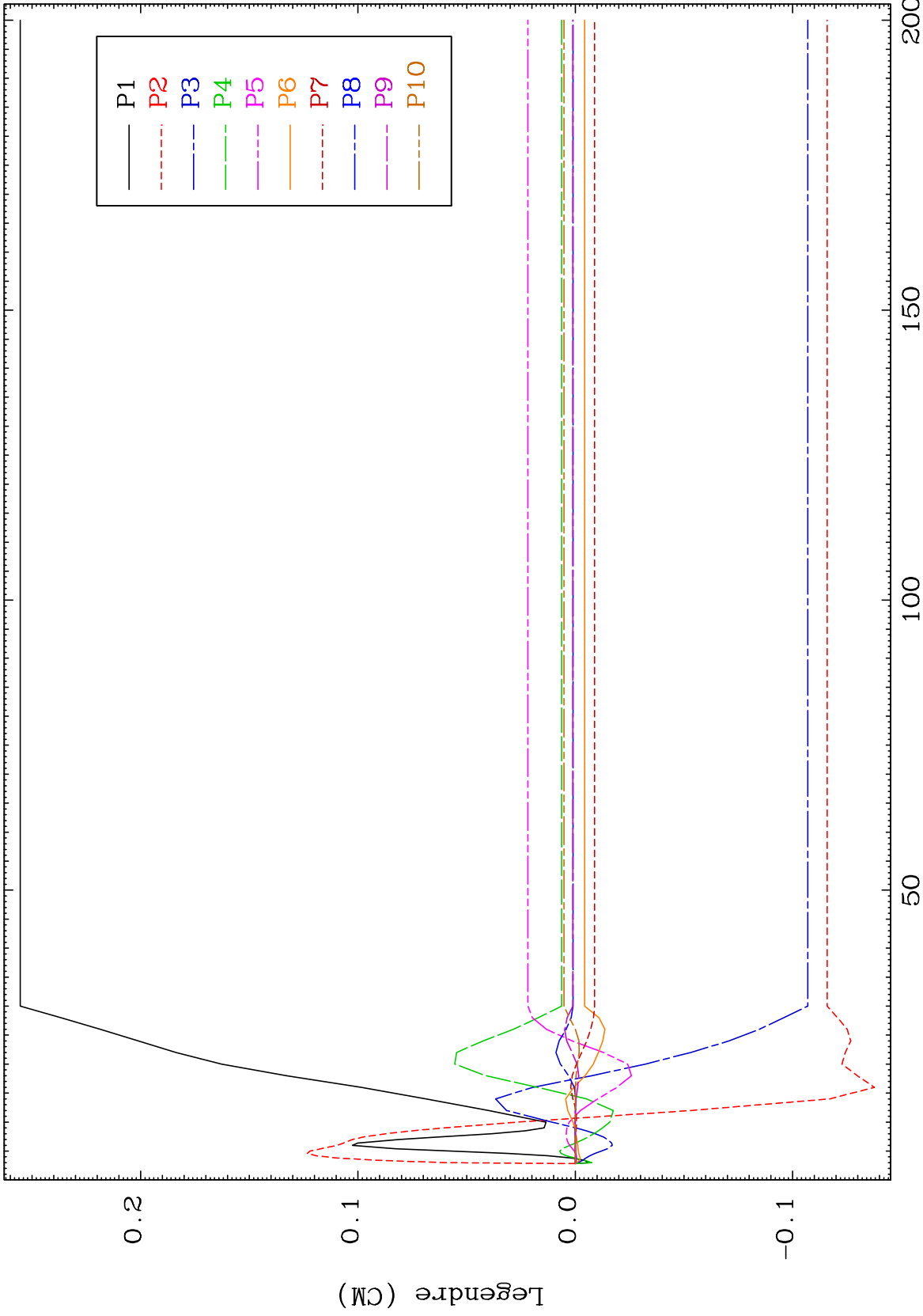
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



51

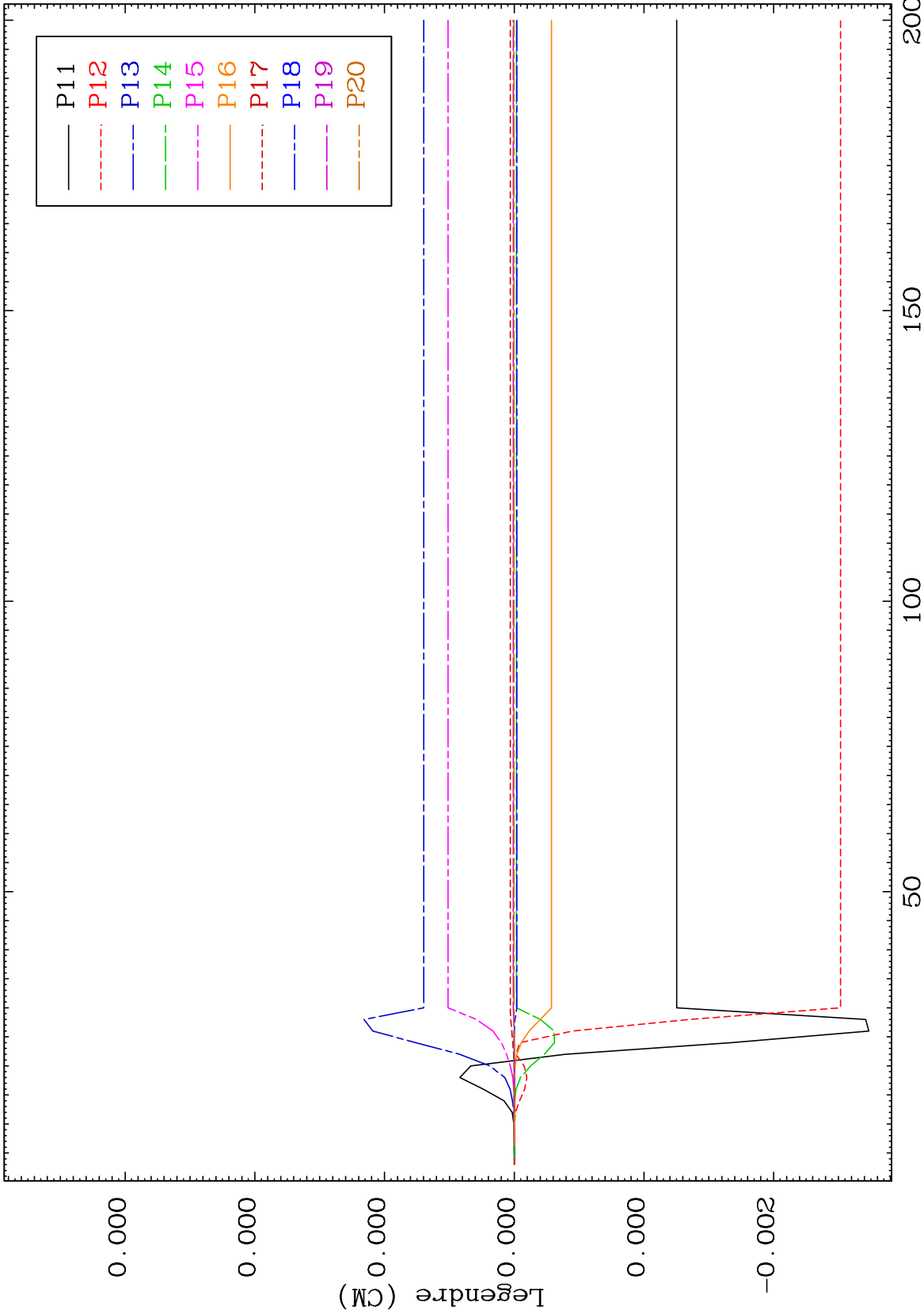
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



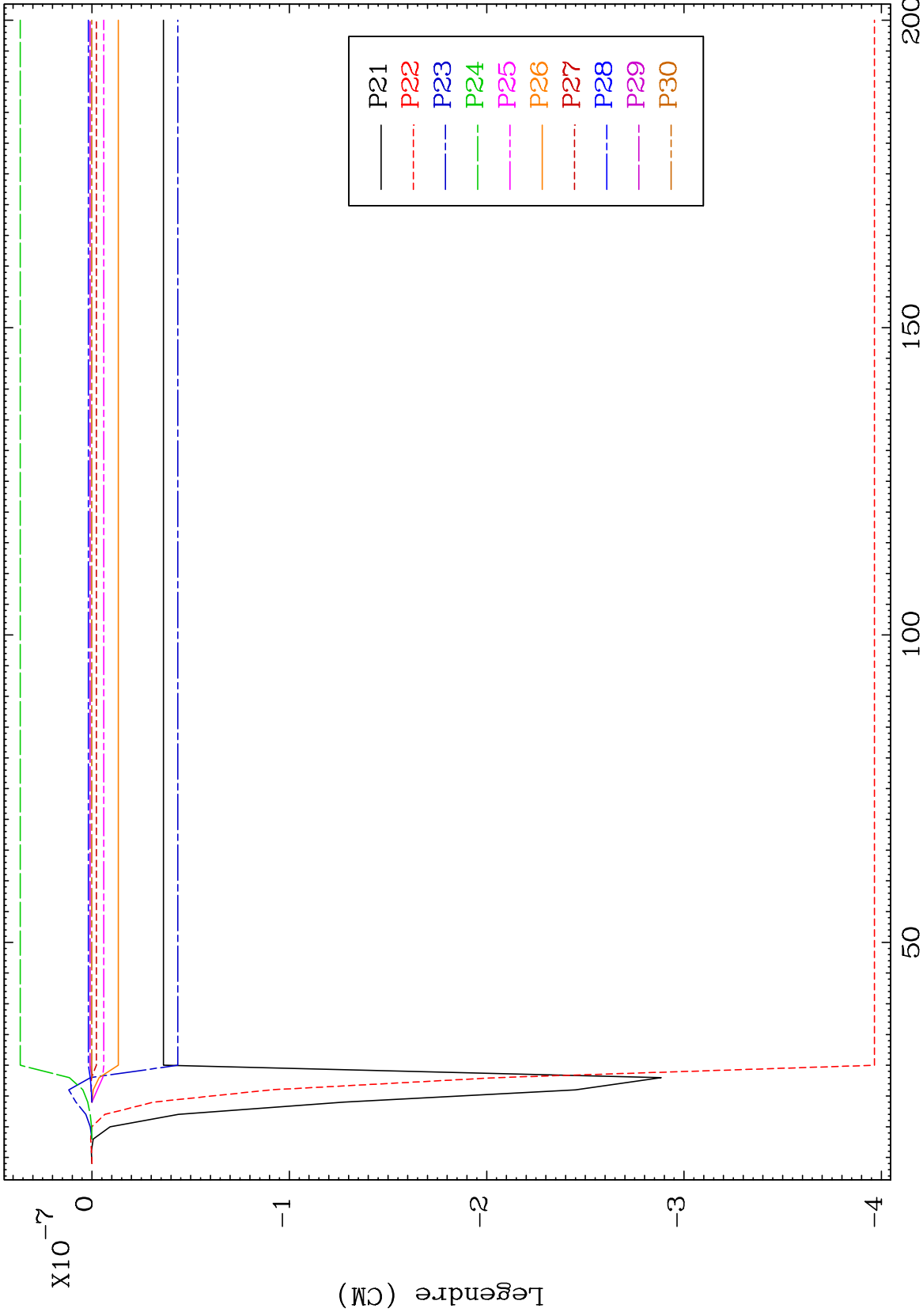
52

70-Yb-157

MAT 6992

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

70-Yb-157



53

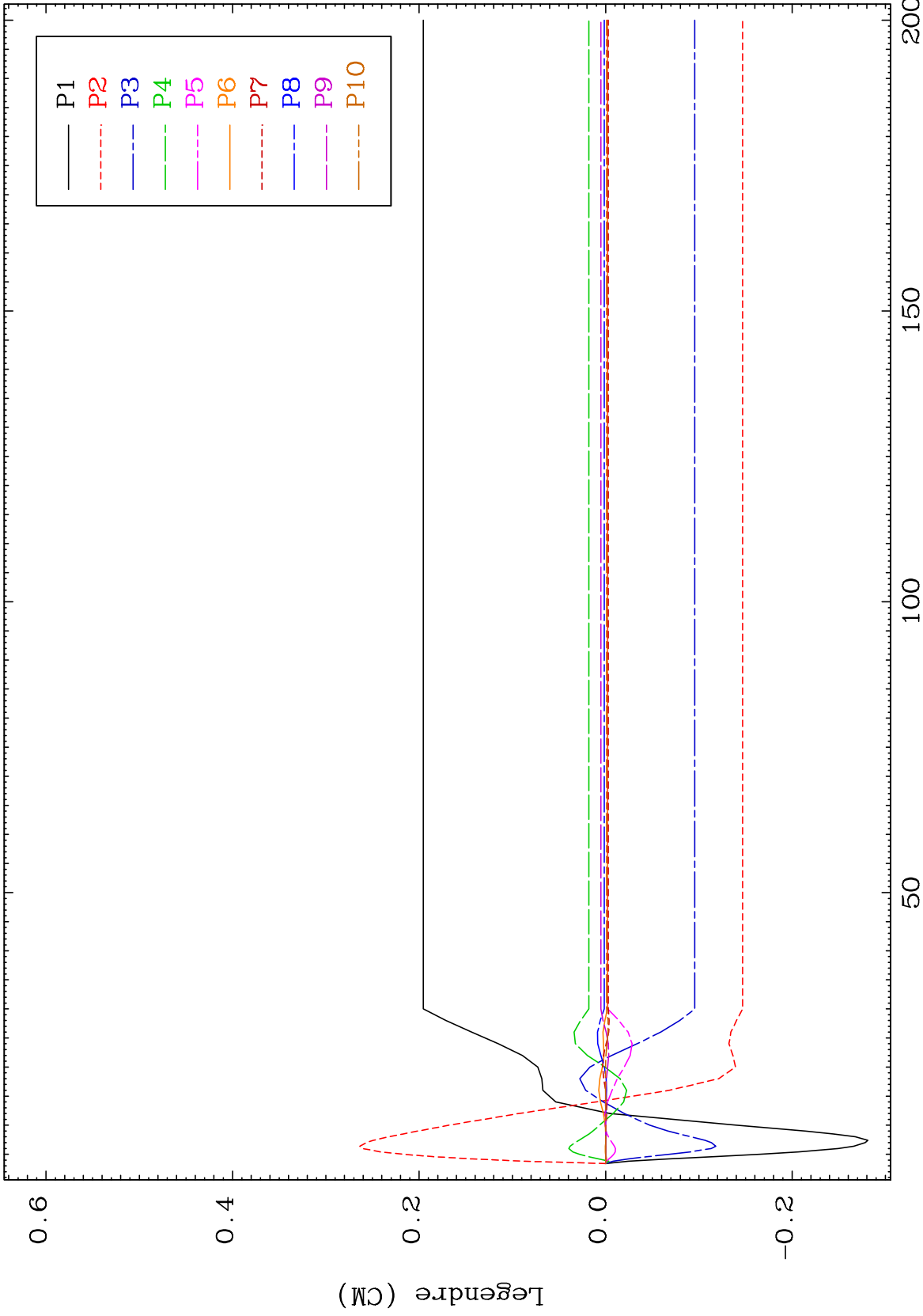
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



54

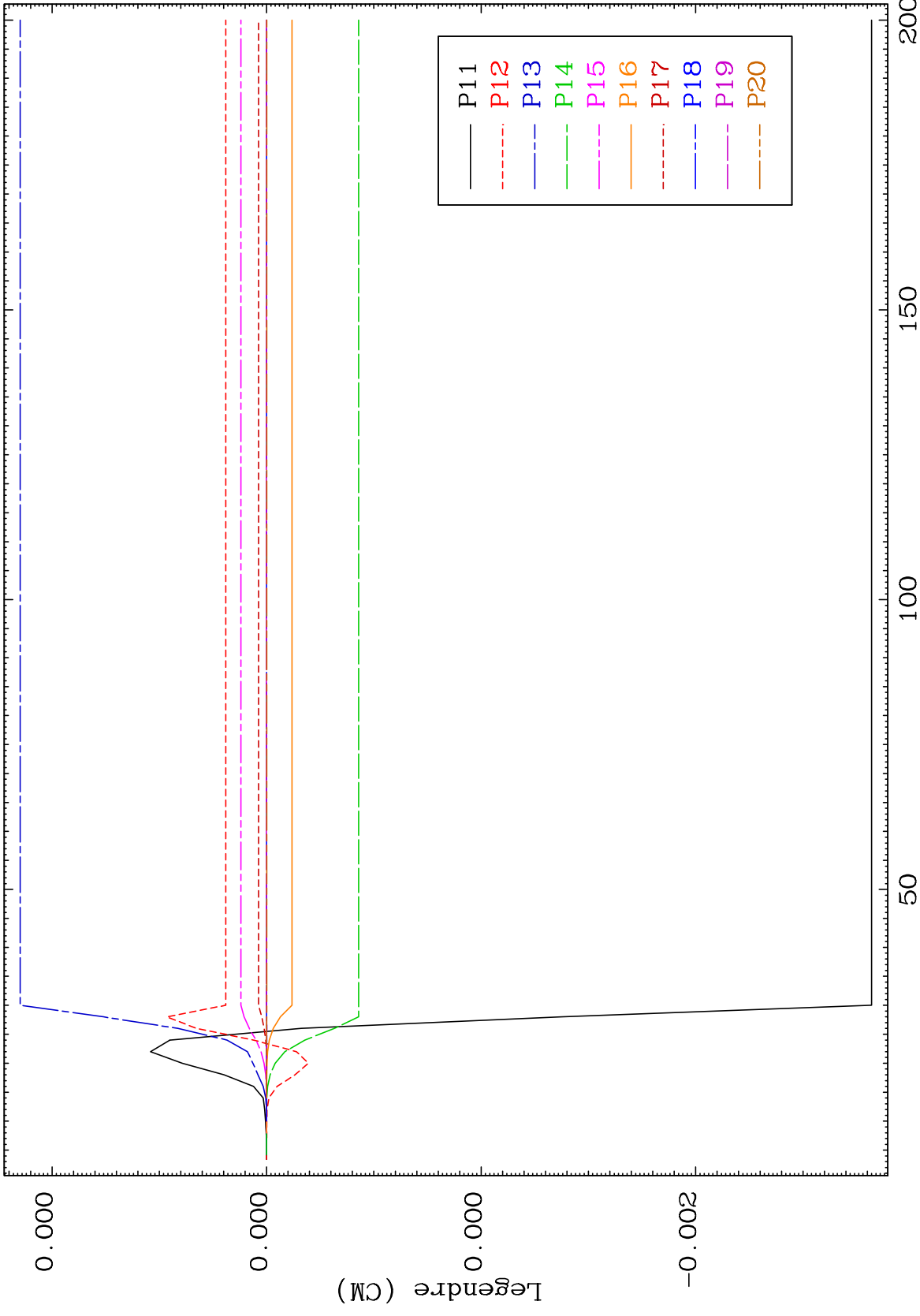
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



55

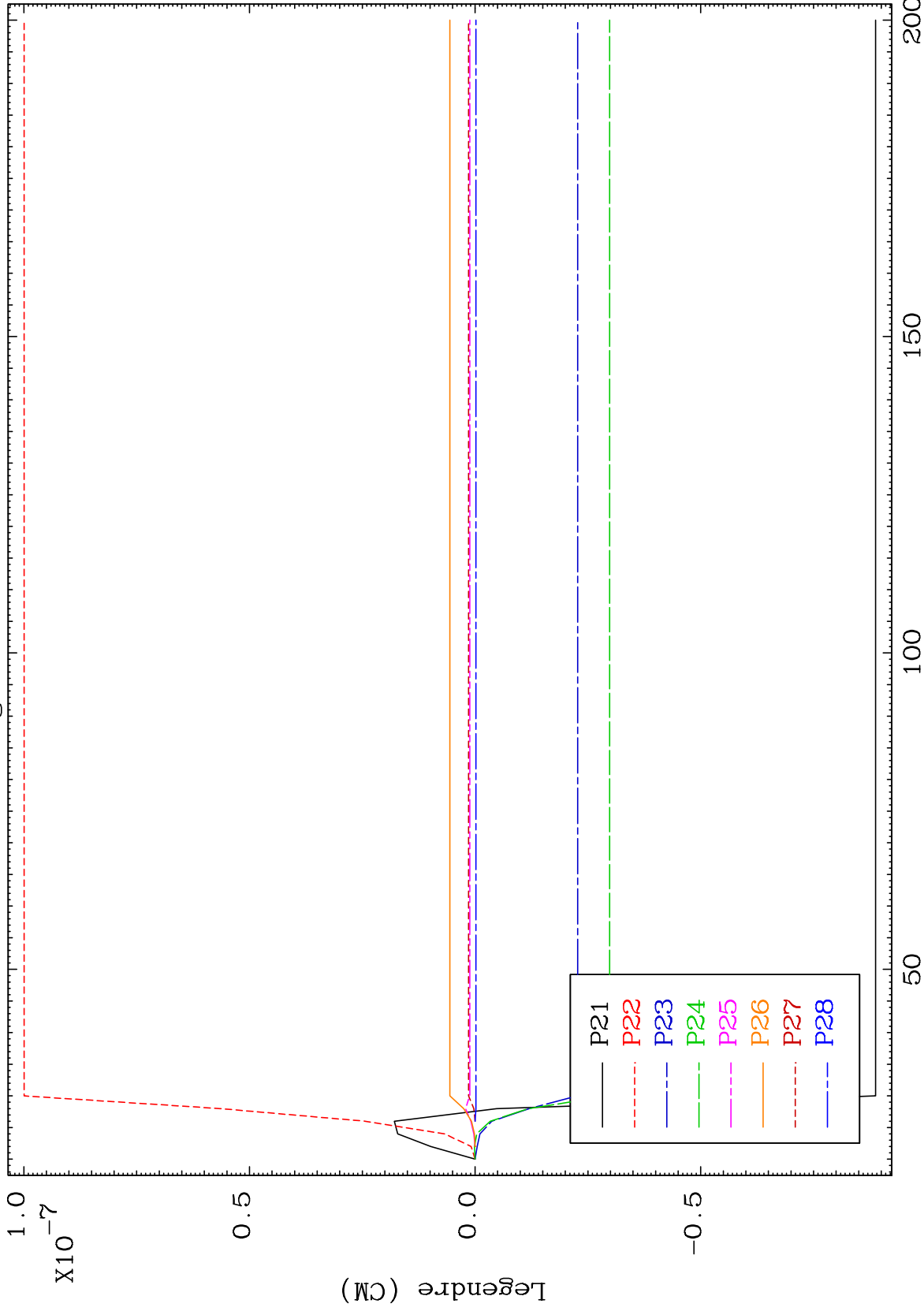
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



56

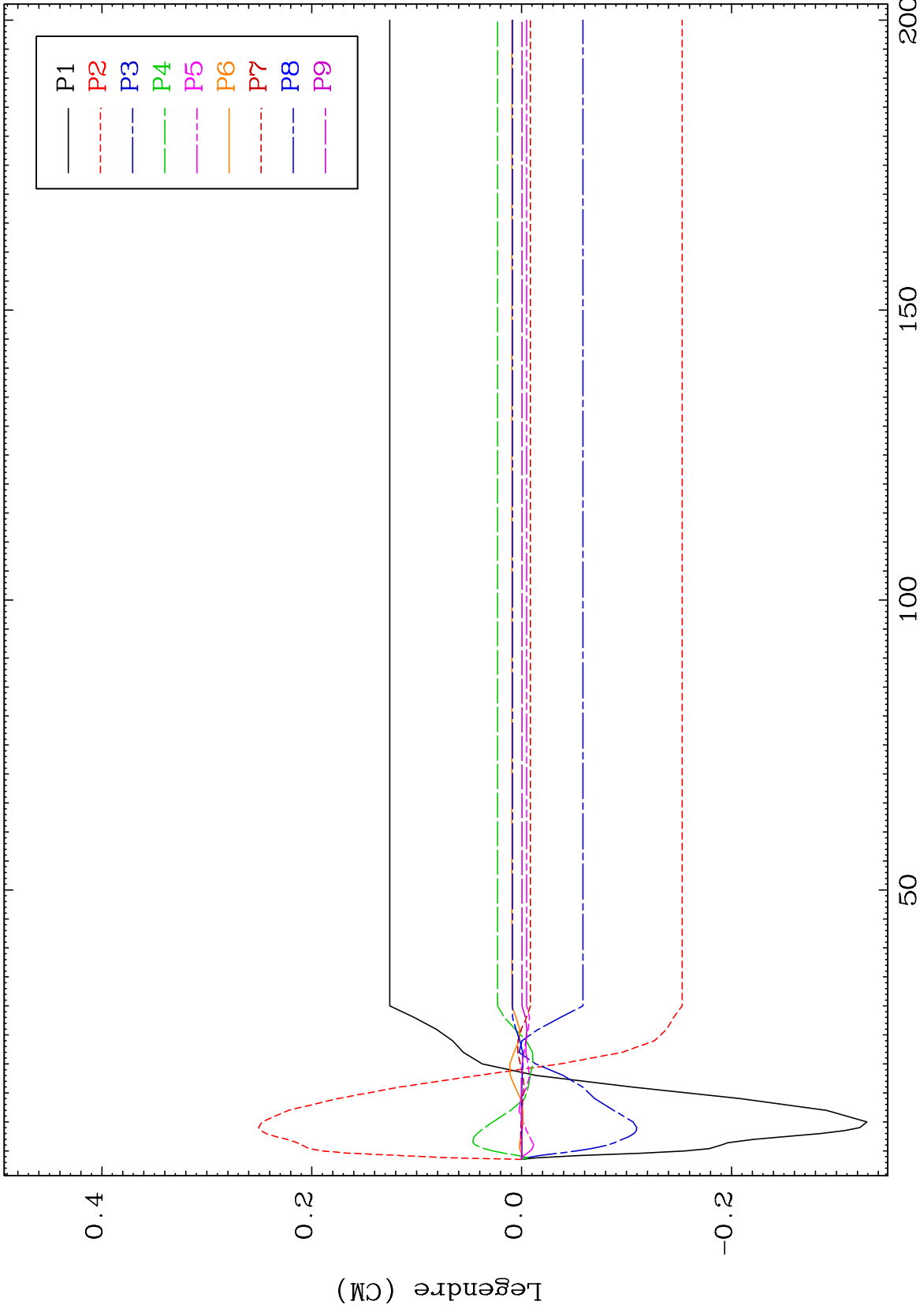
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



57

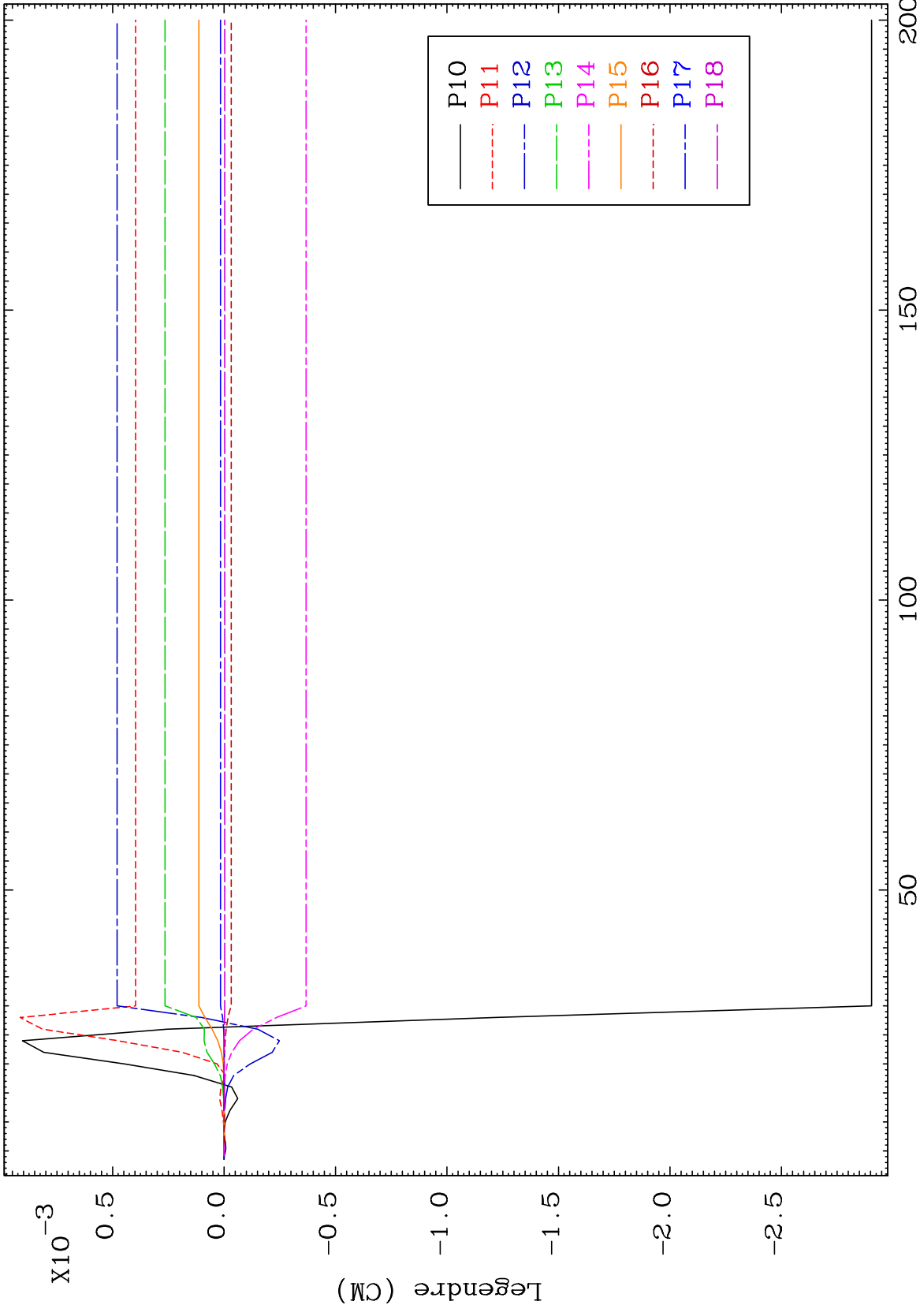
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



58

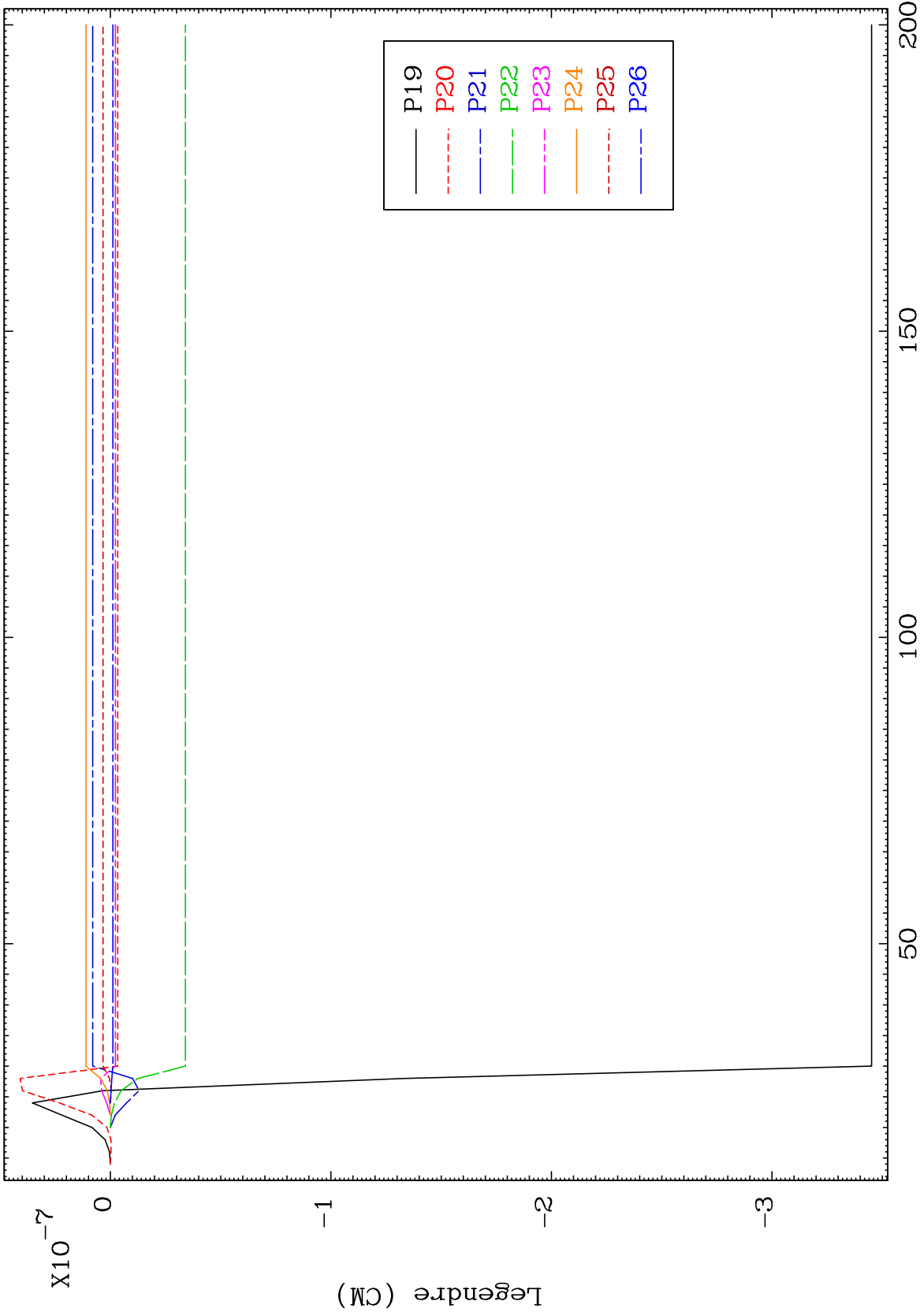
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



59

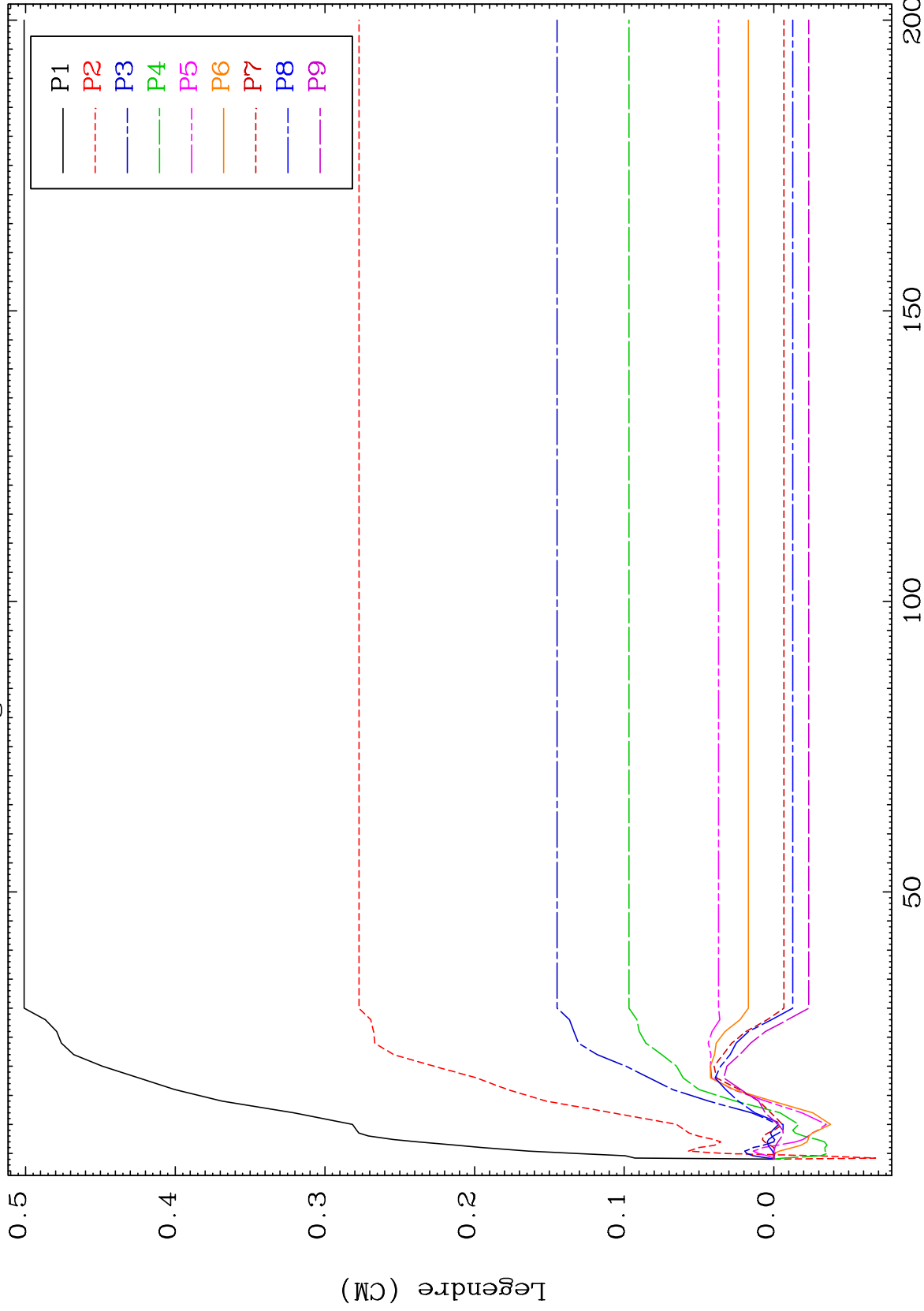
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



60

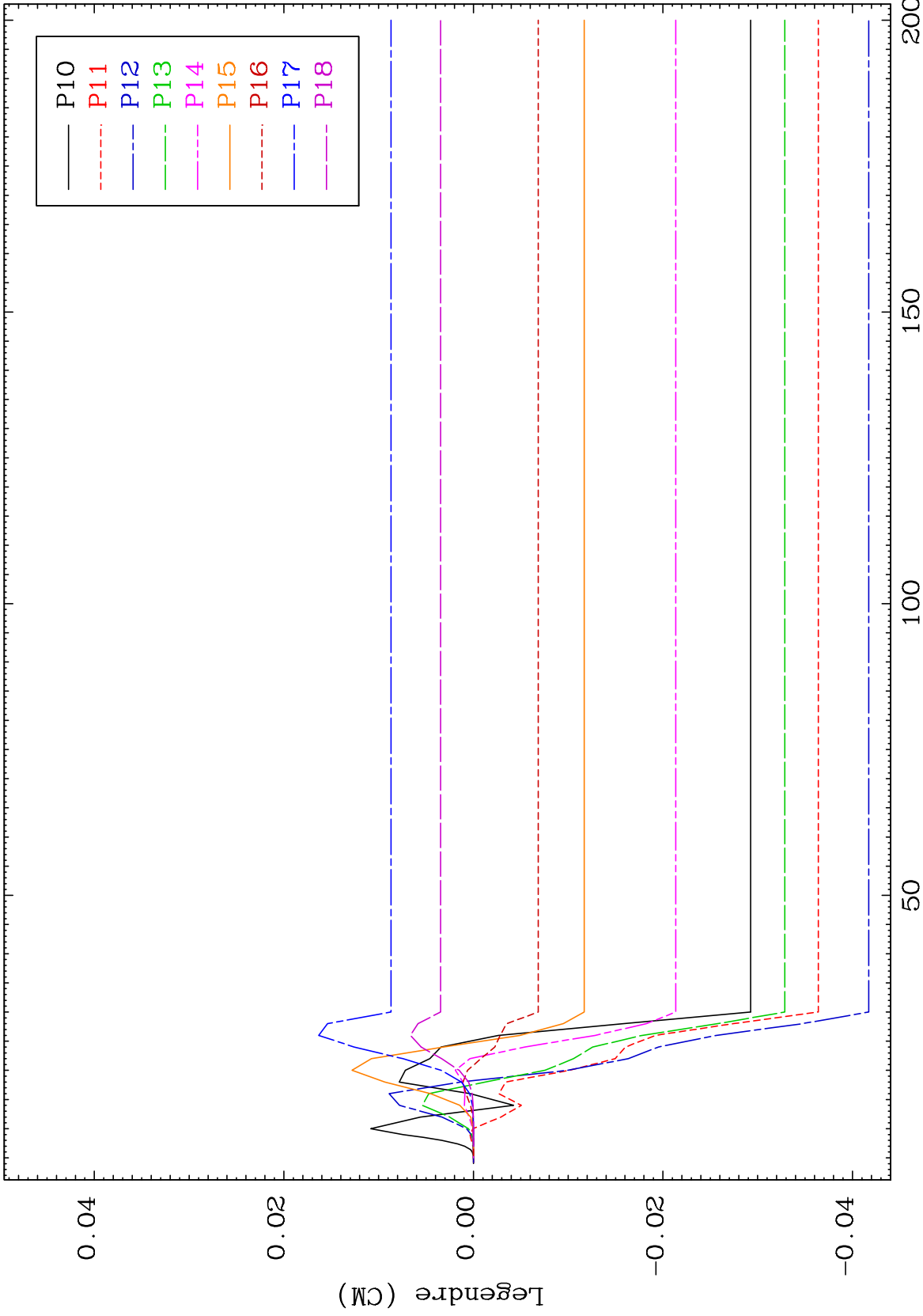
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



61

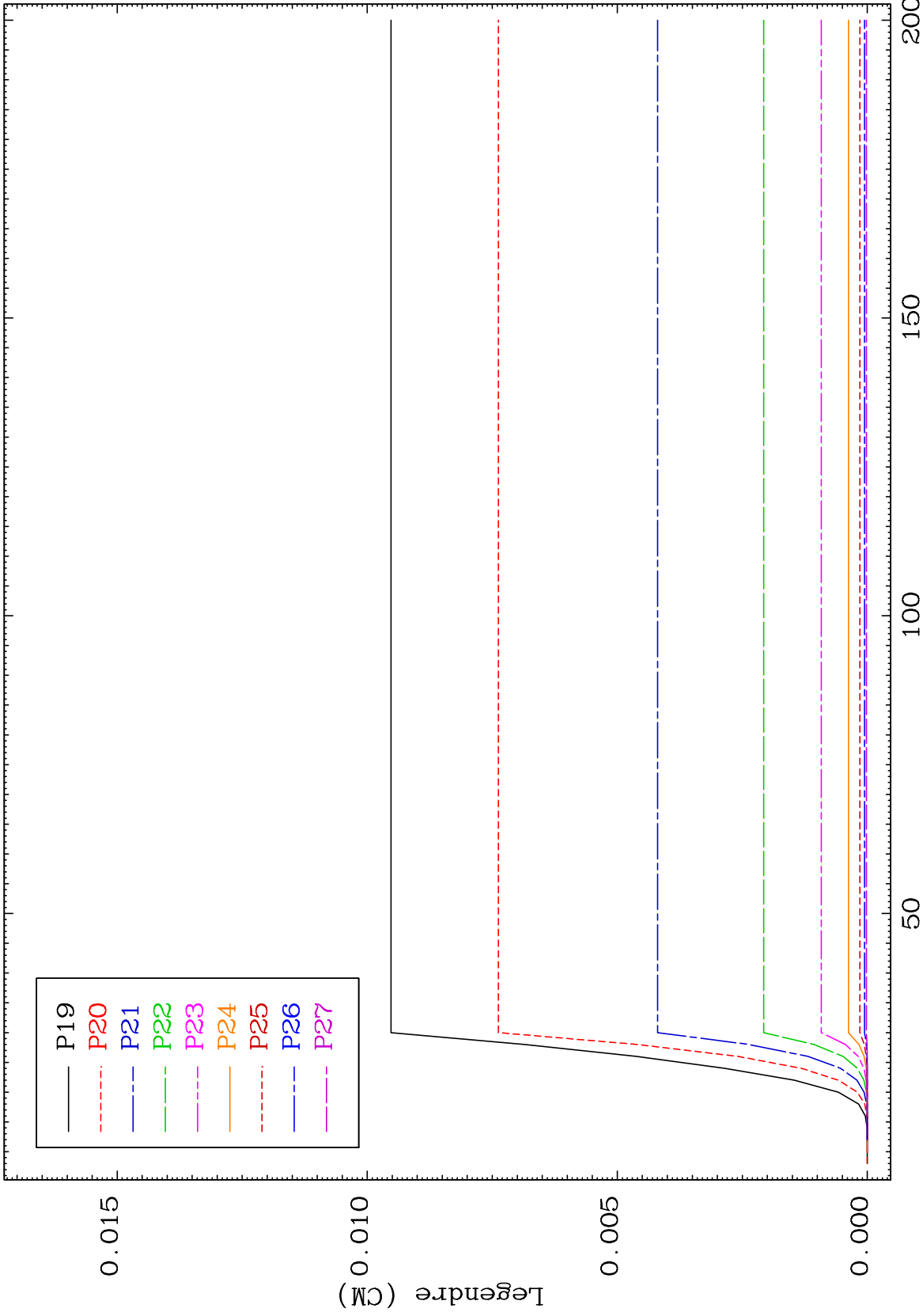
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



62

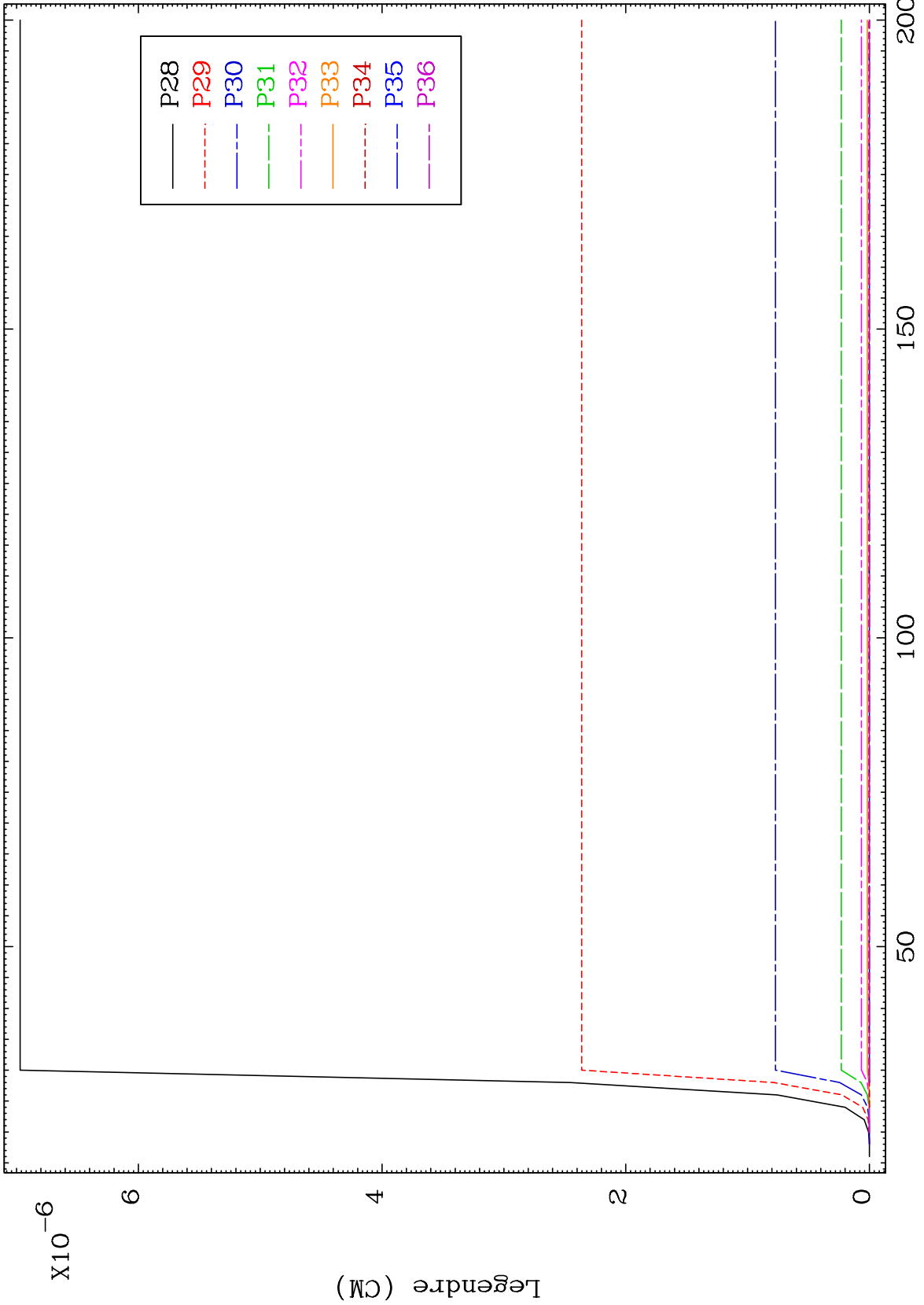
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



63

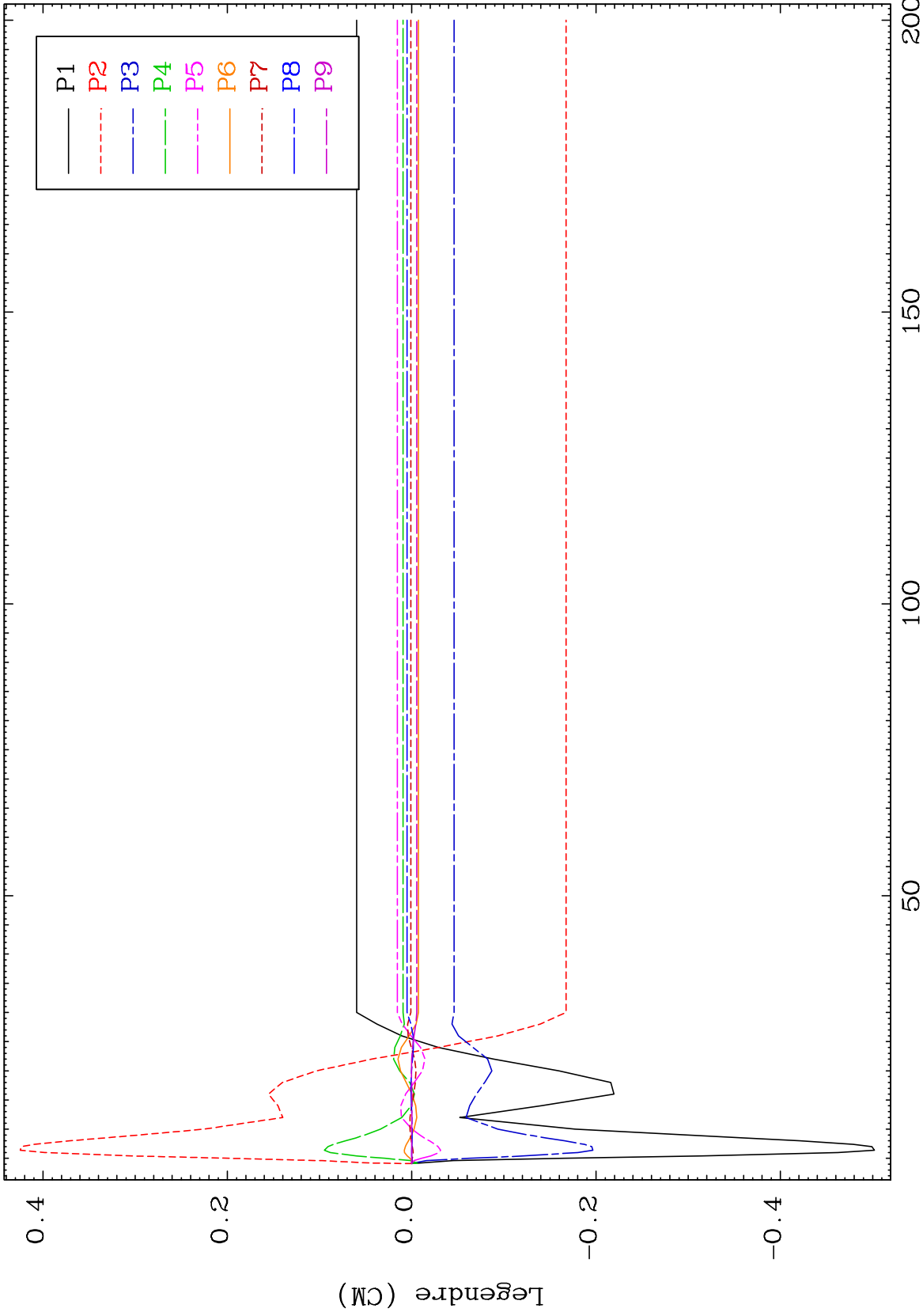
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



64

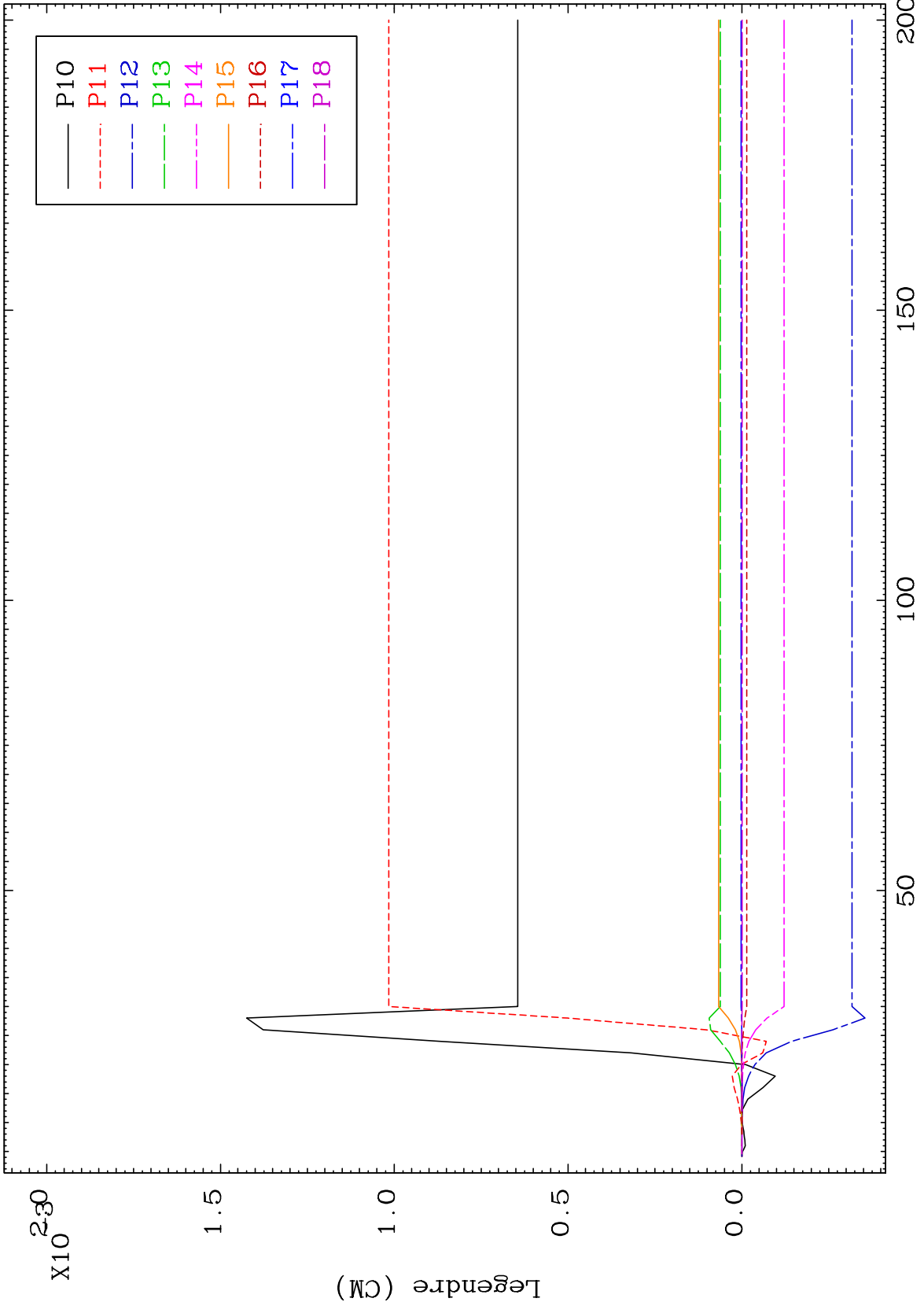
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



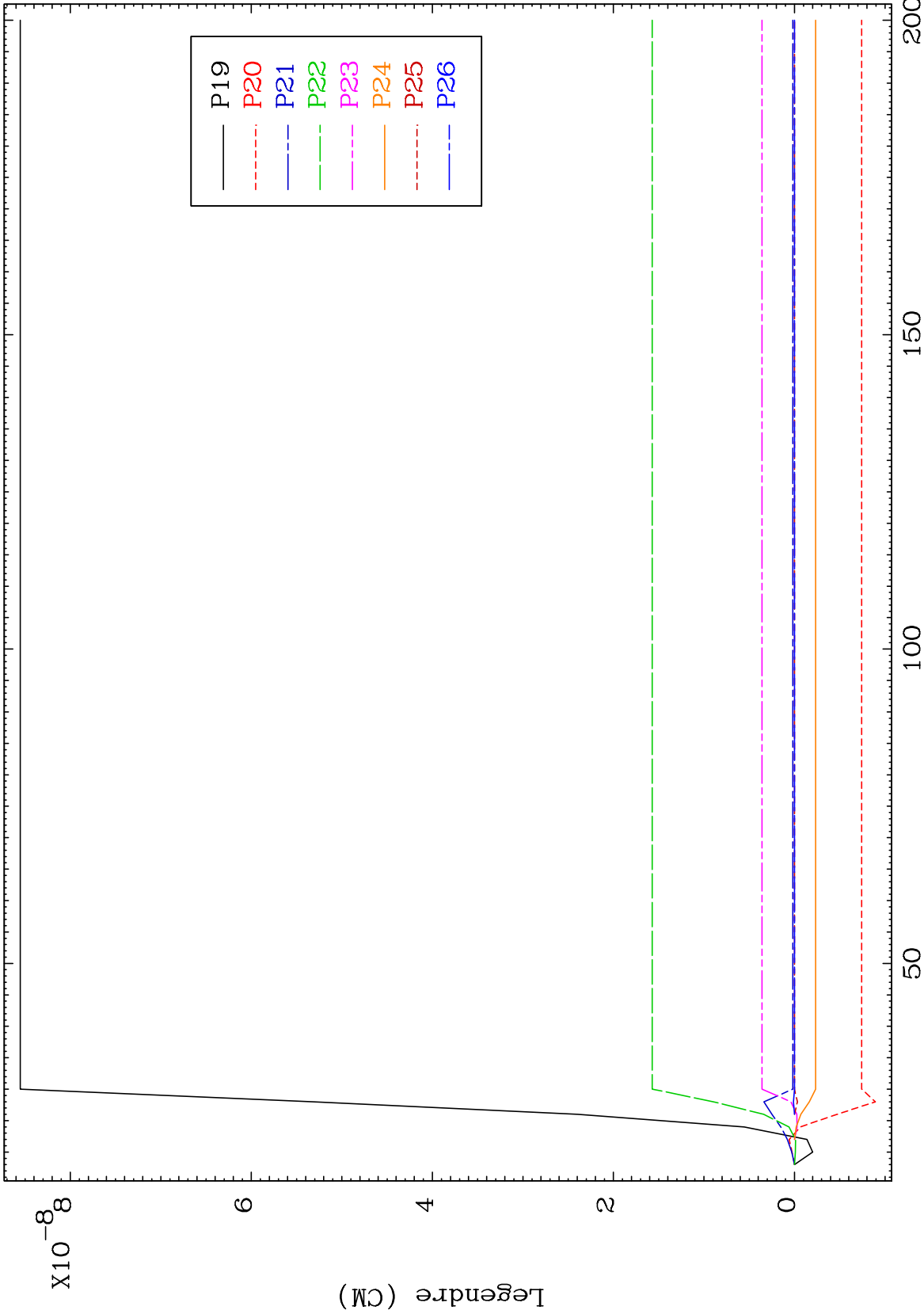
65

70-Yb-157

MAT 6992

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

70-Yb-157

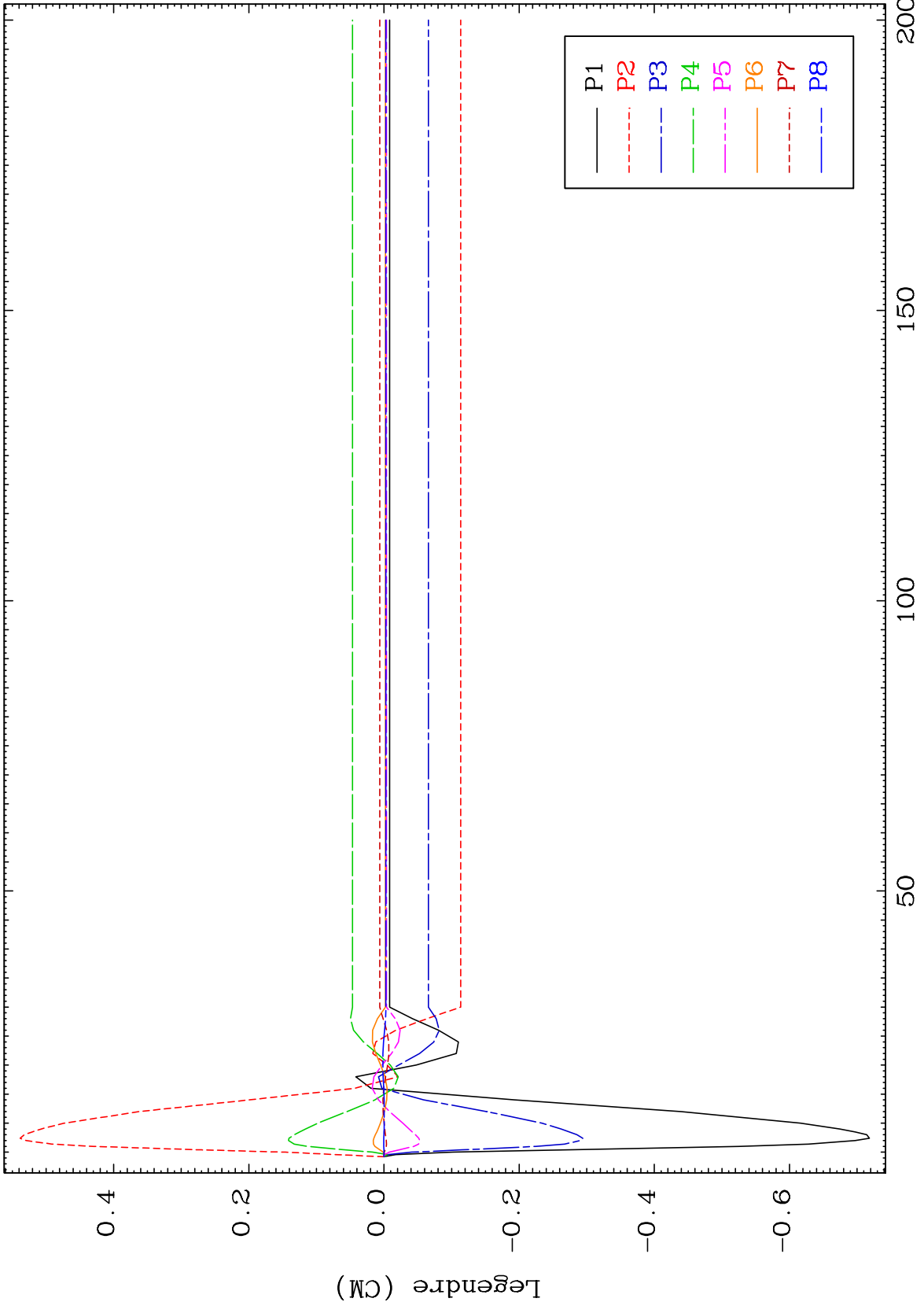


66

Incident Energy (MeV)

70-Yb-157

MAT 6992 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-157

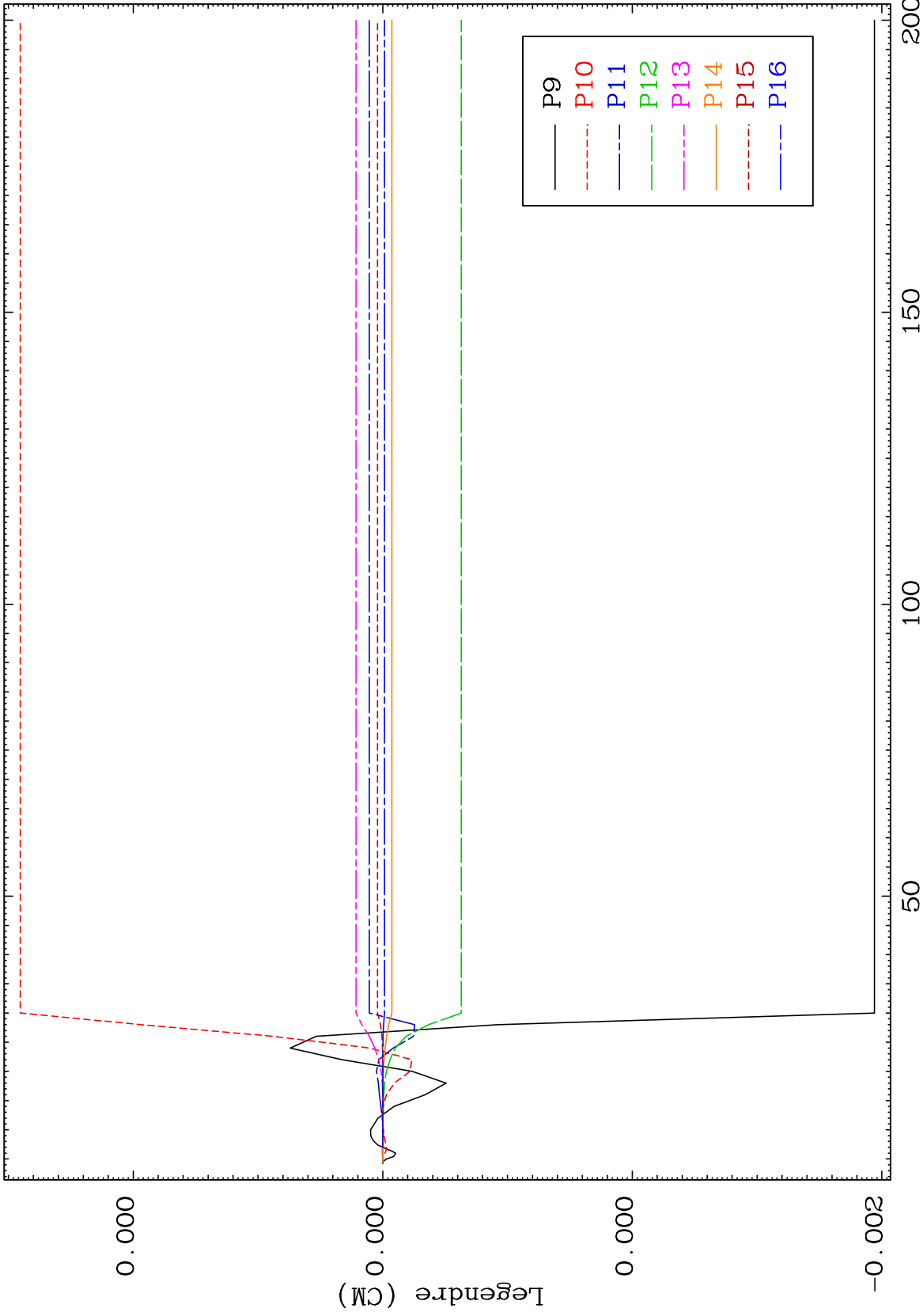


67 70-Yb-157

MAT 6992

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

70-Yb-157



68

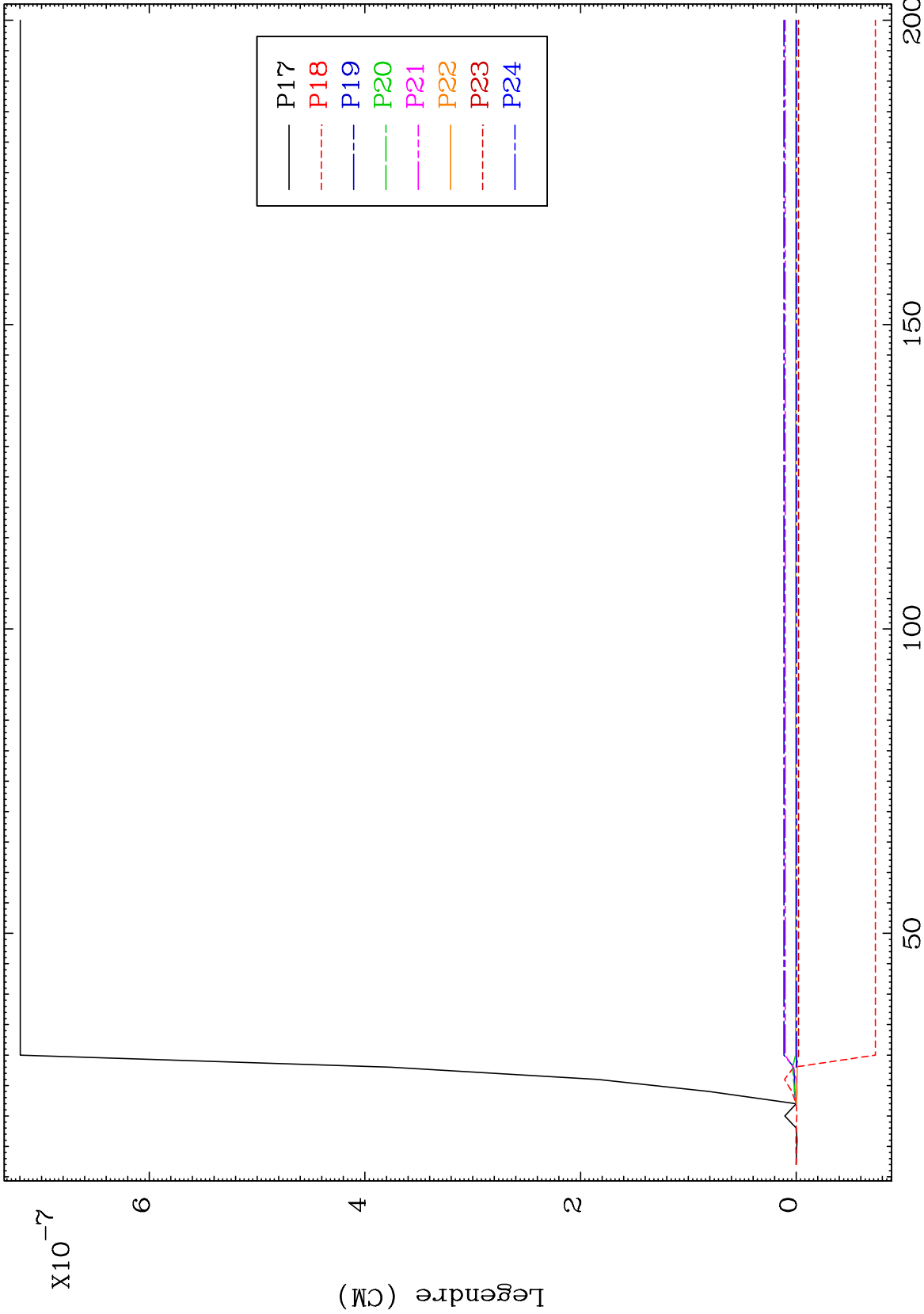
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157

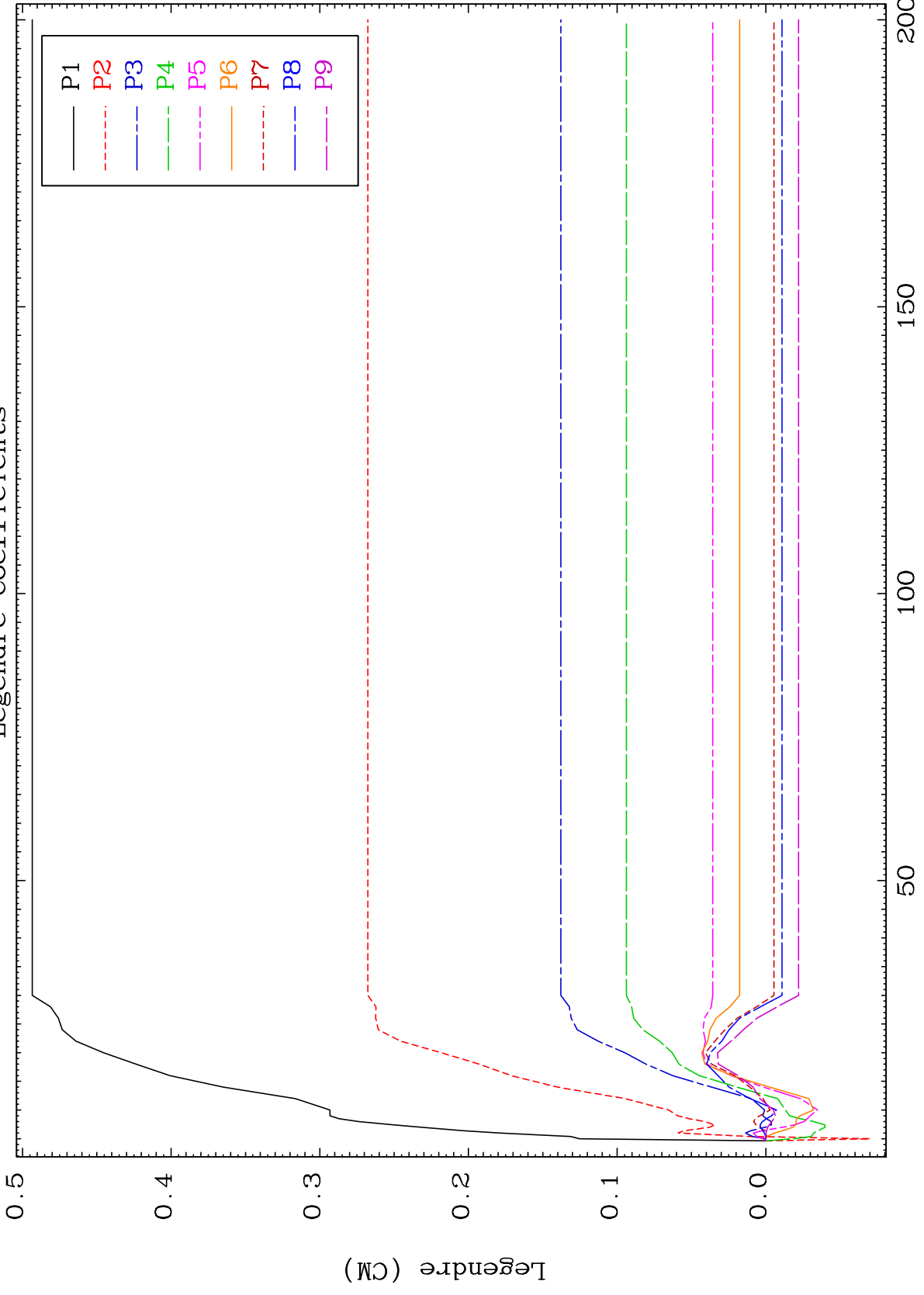


69

Incident Energy (MeV)

70-Yb-157

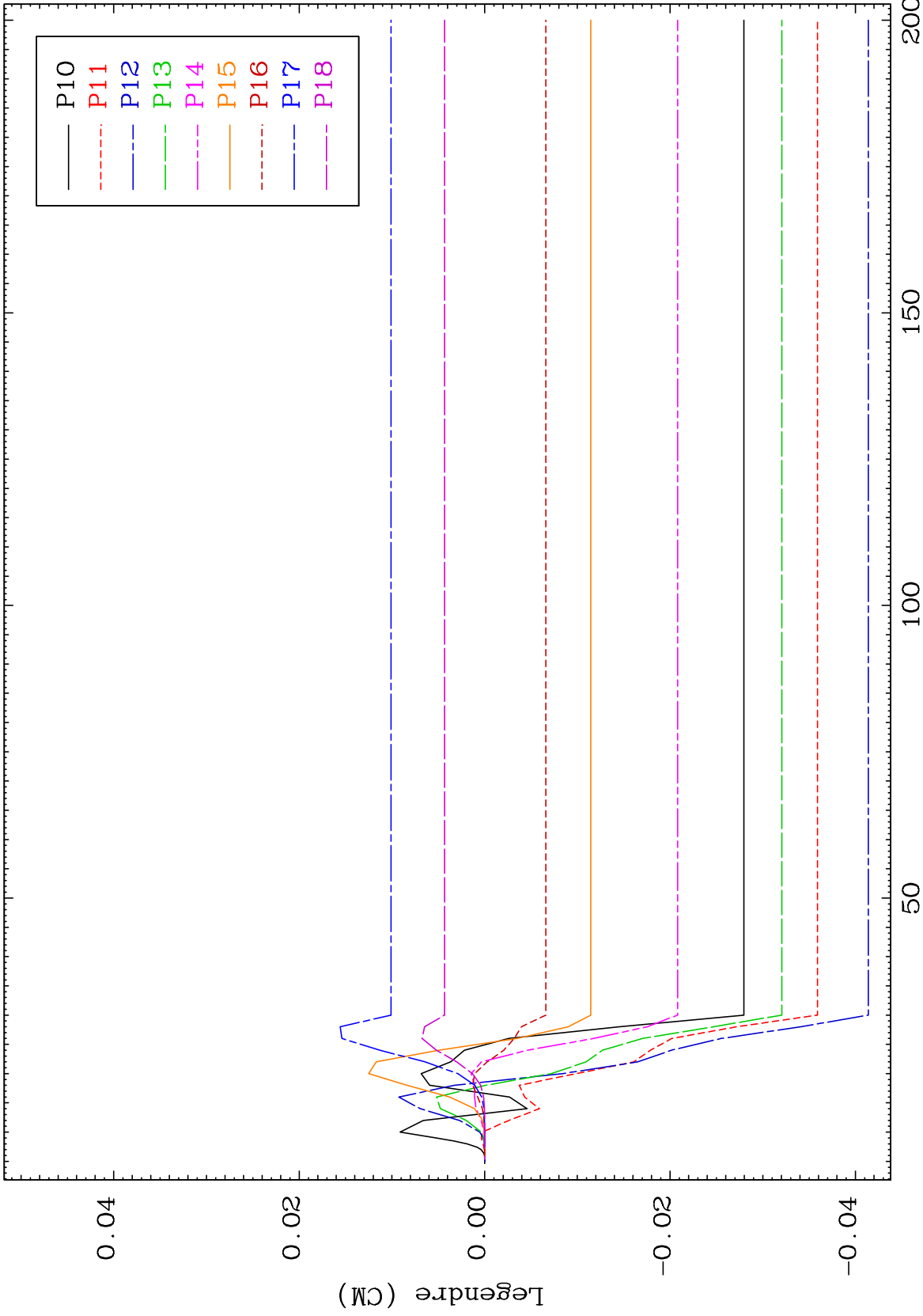
MAT 6992 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-157



MAT 6992

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

70-Yb-157



71

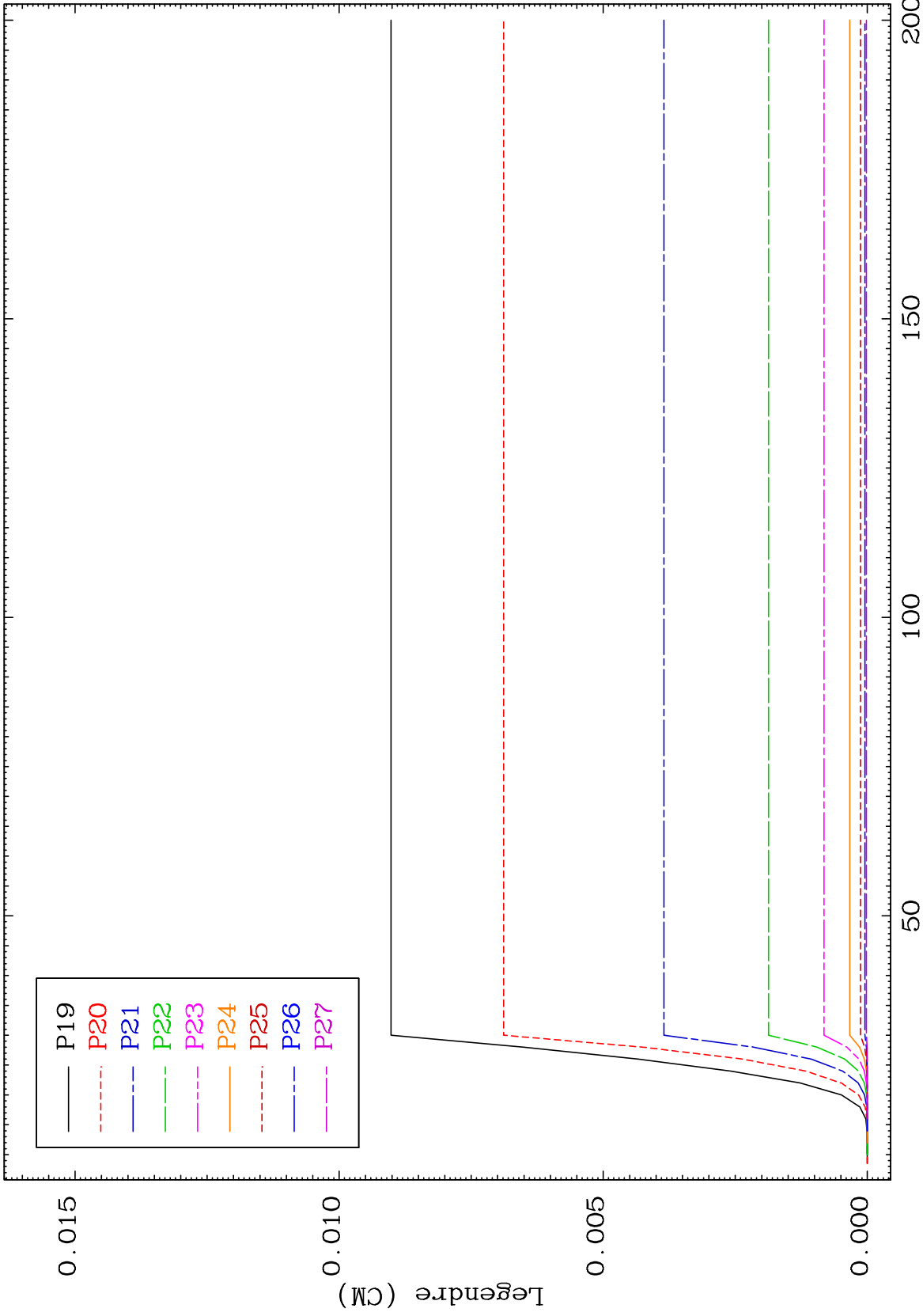
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157

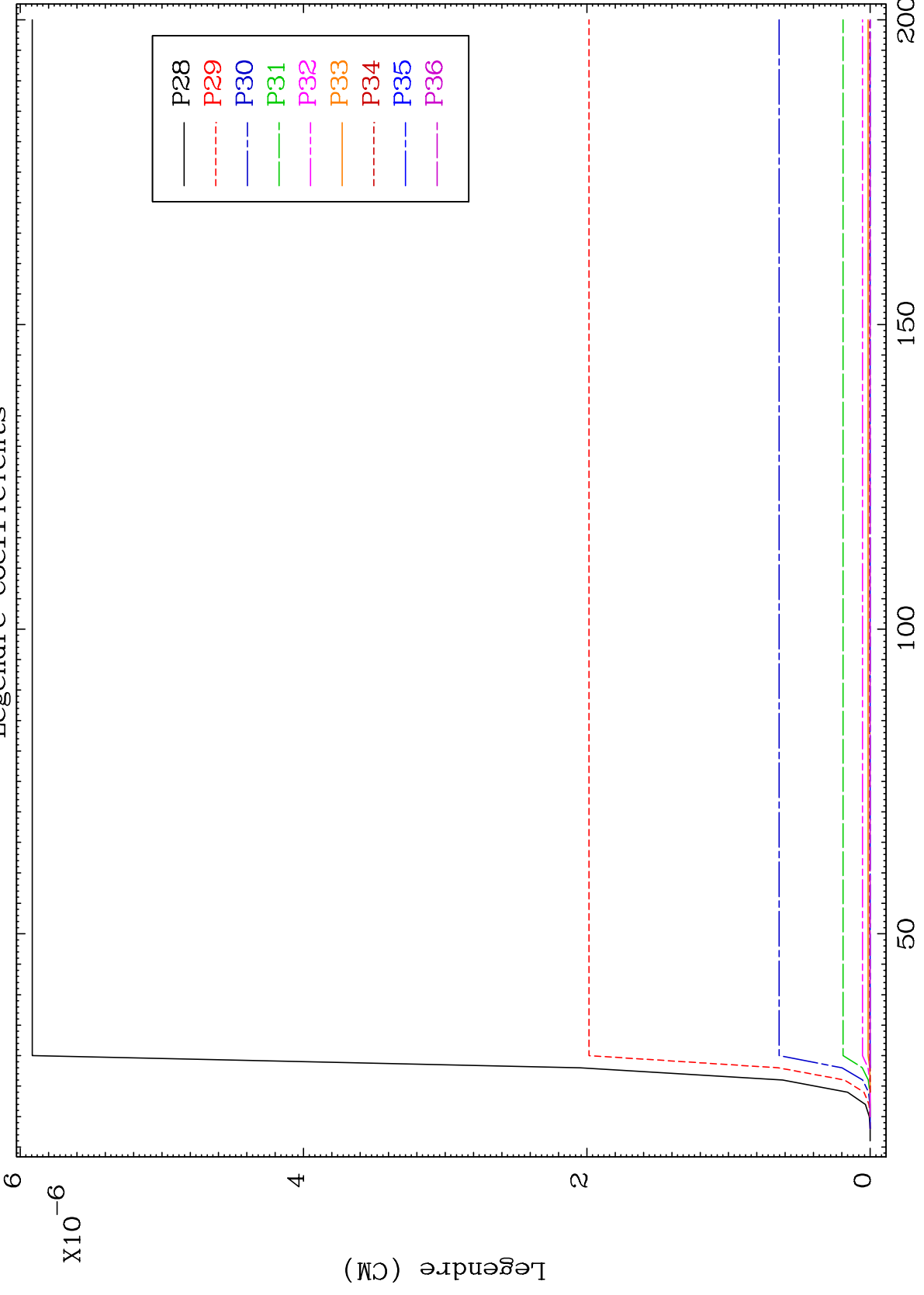


72

Incident Energy (MeV)

70-Yb-157

MAT 6992 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-157

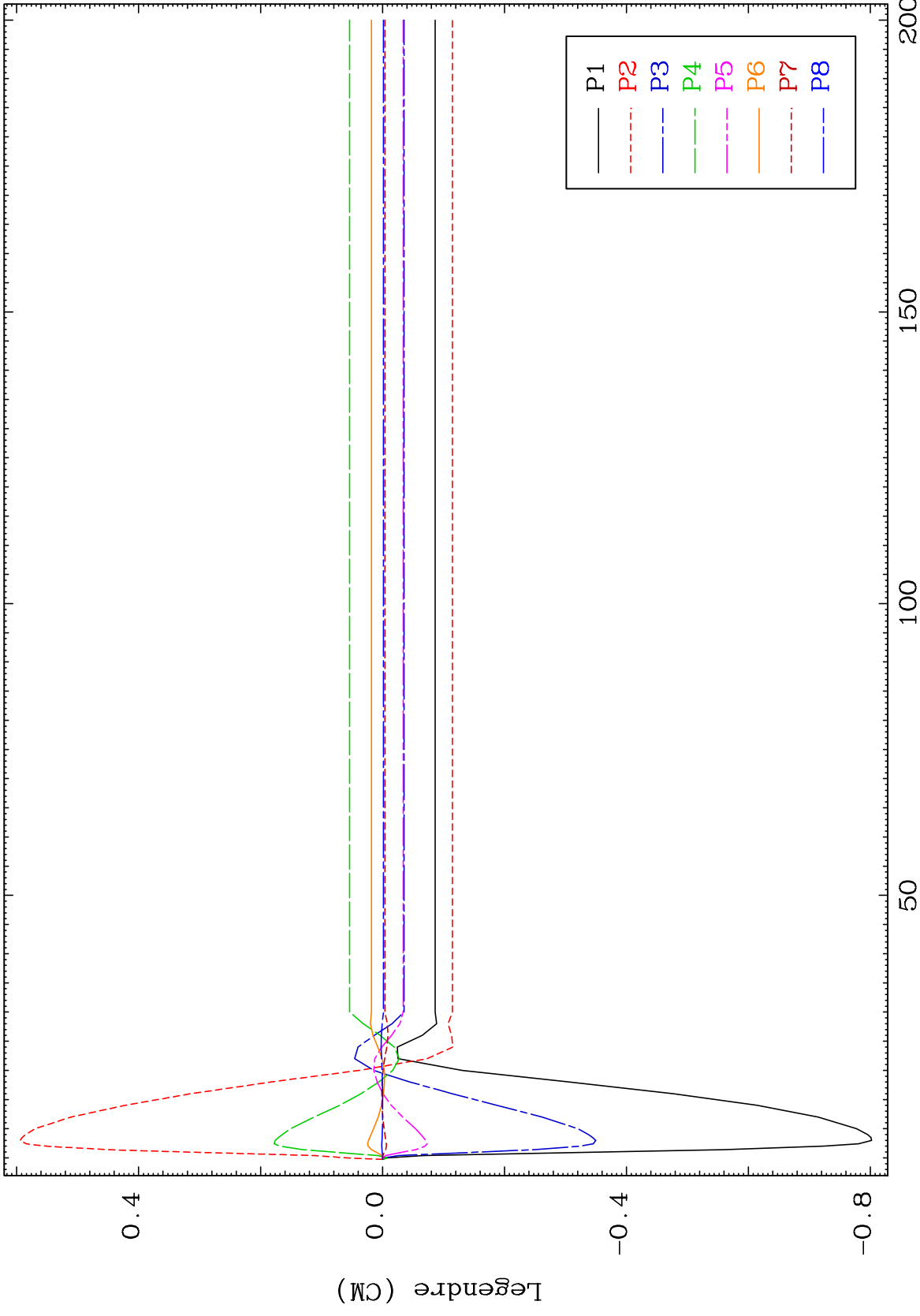


73 70-Yb-157

MAT 6992

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

70-Yb-157



74

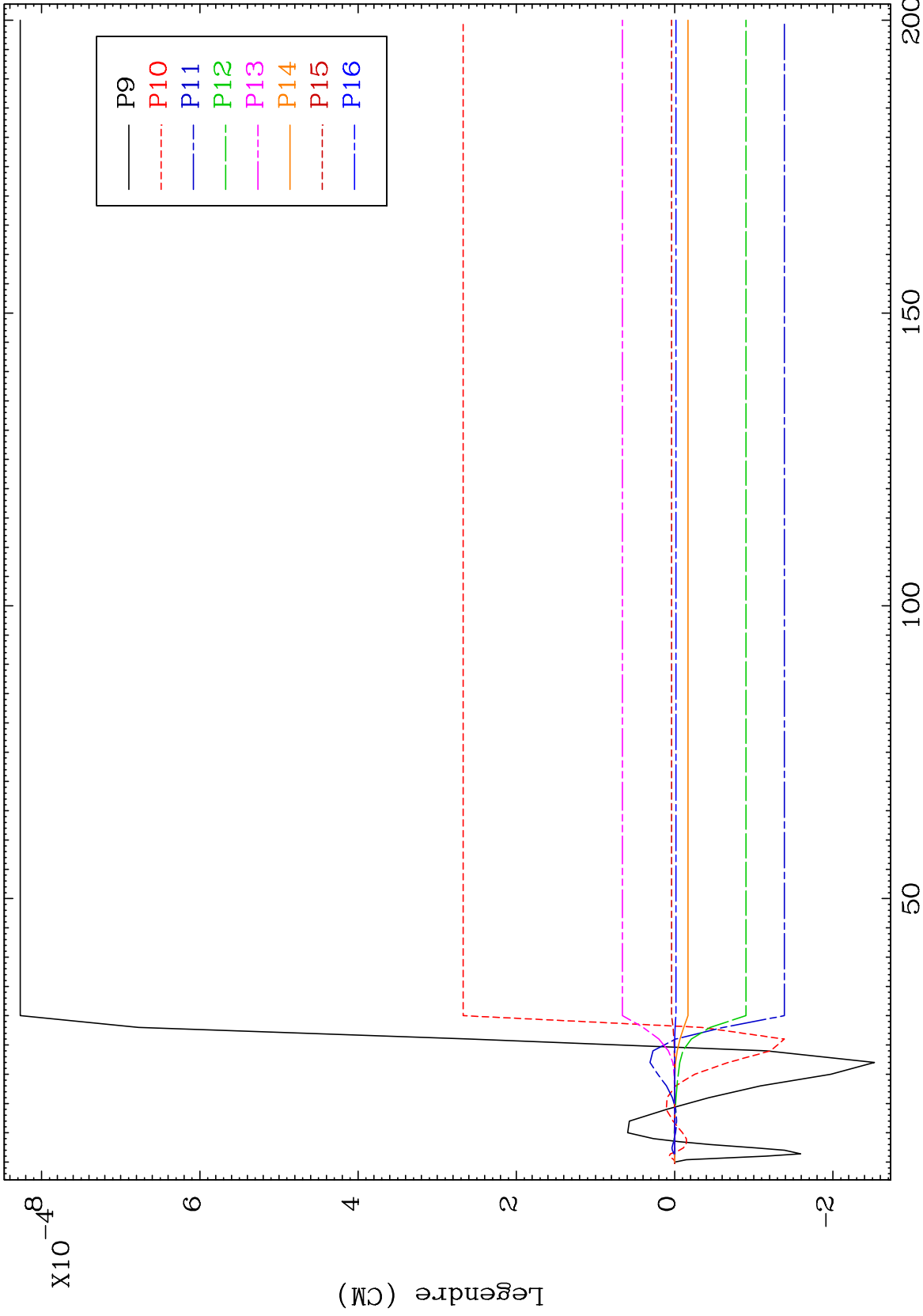
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



75

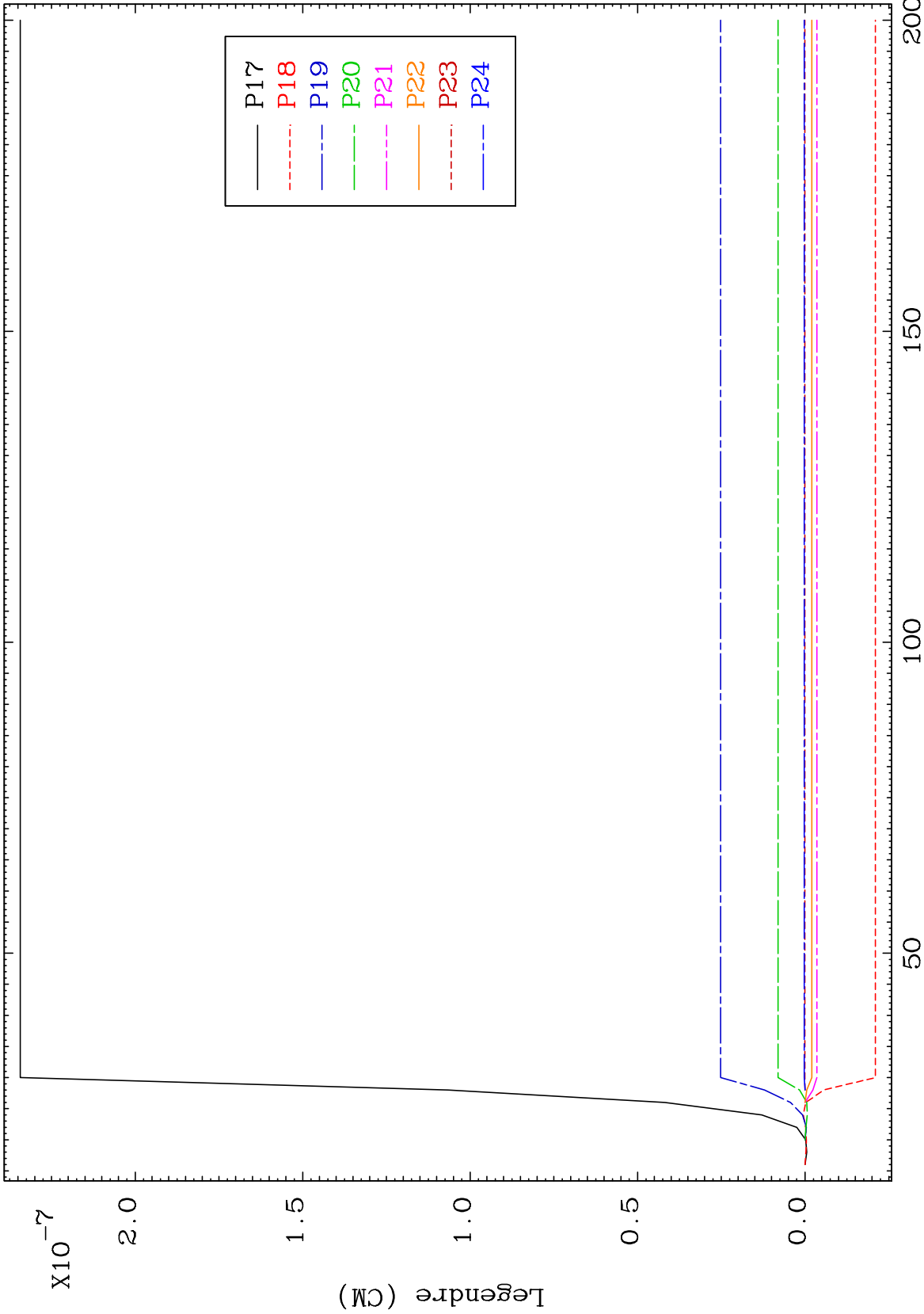
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



76

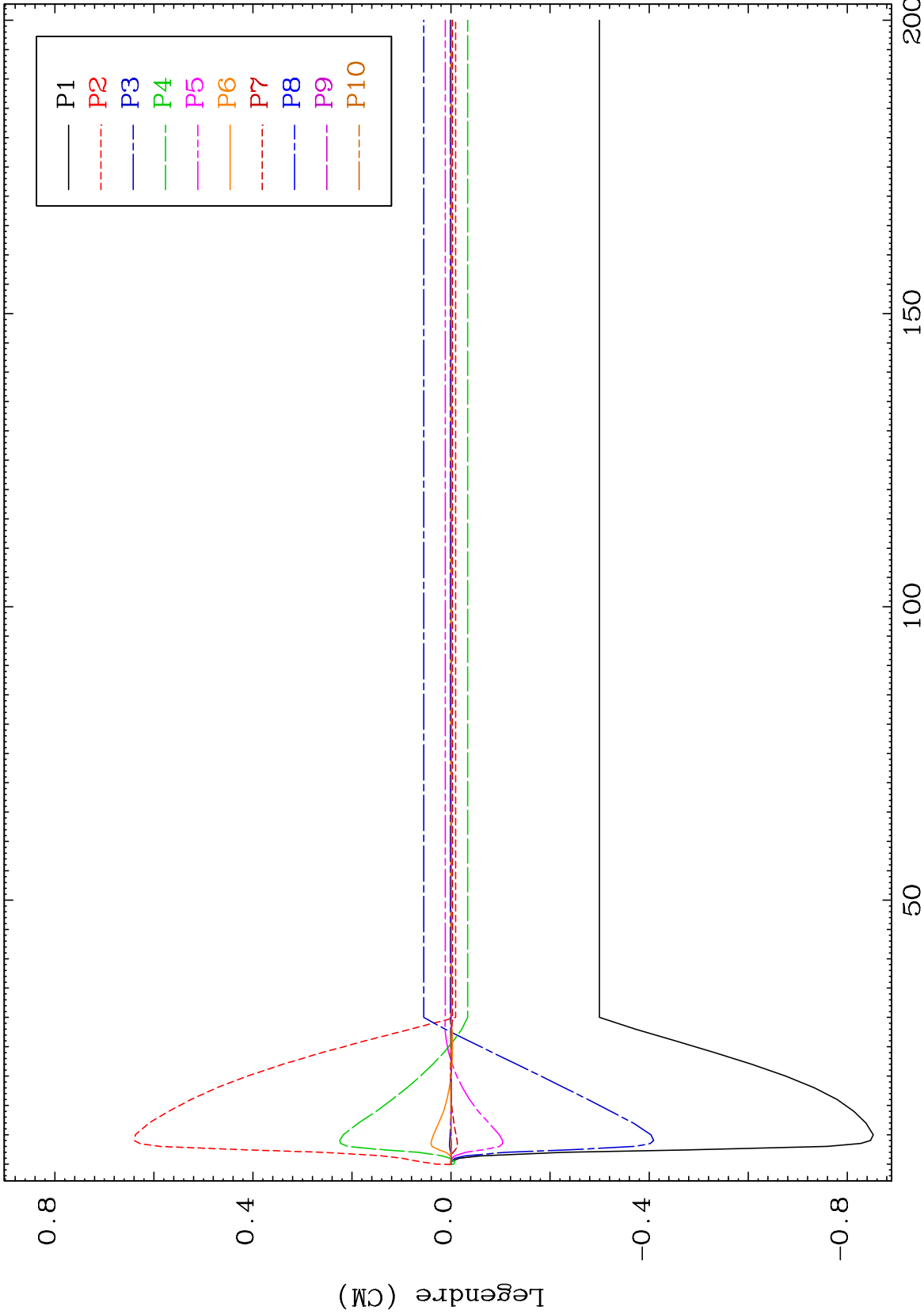
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



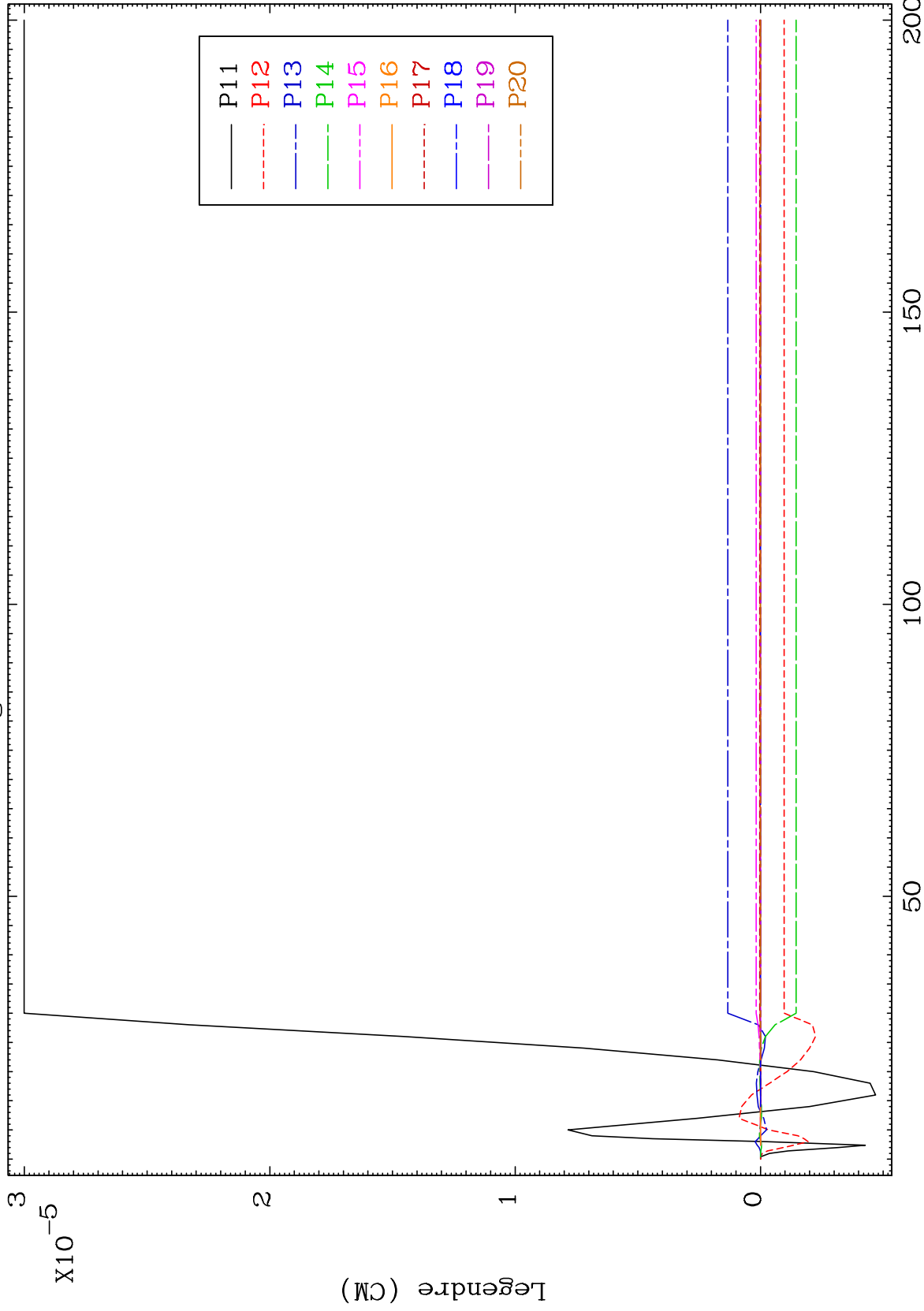
77

70-Yb-157

MAT 6992

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

70-Yb-157



78

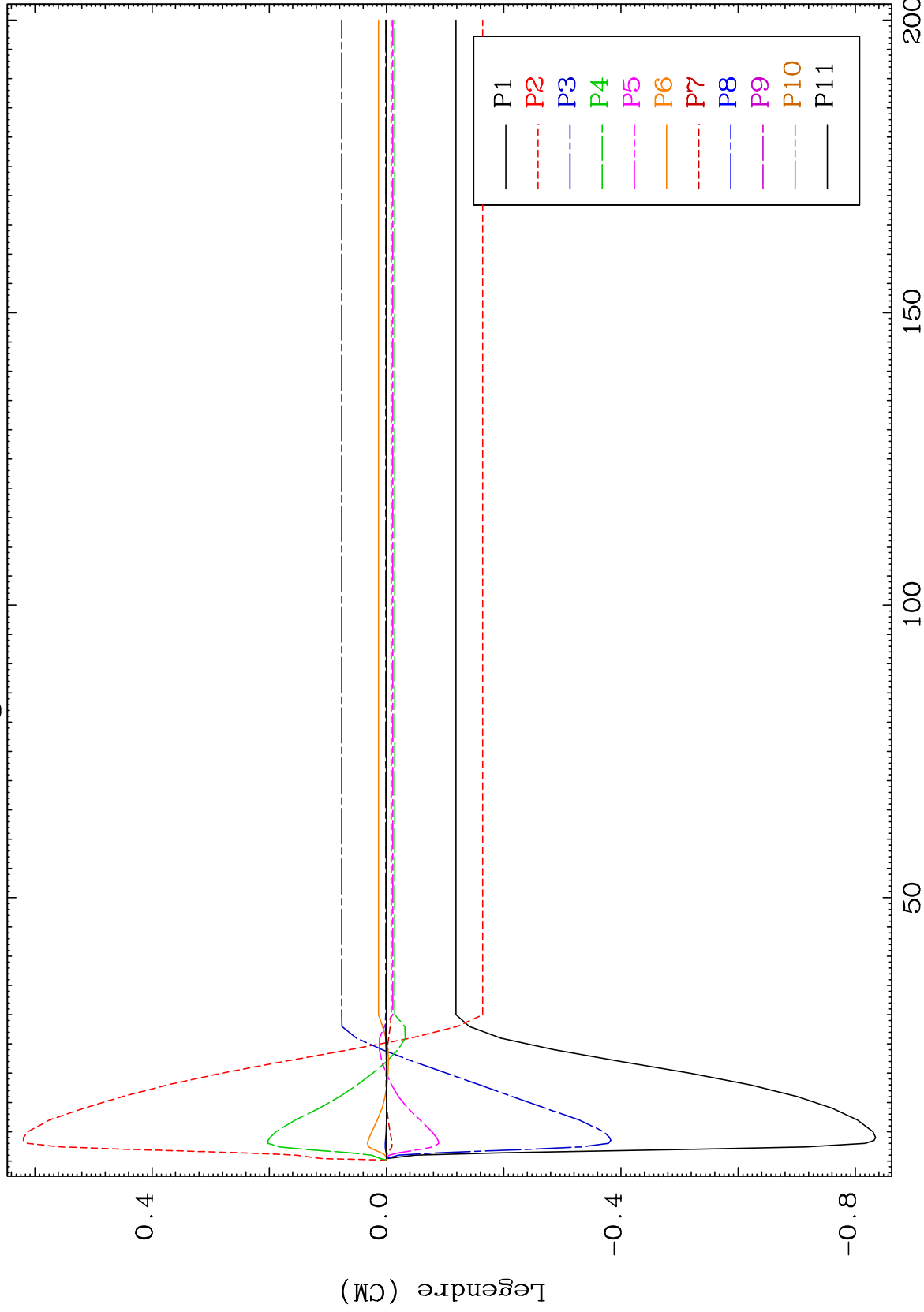
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



79

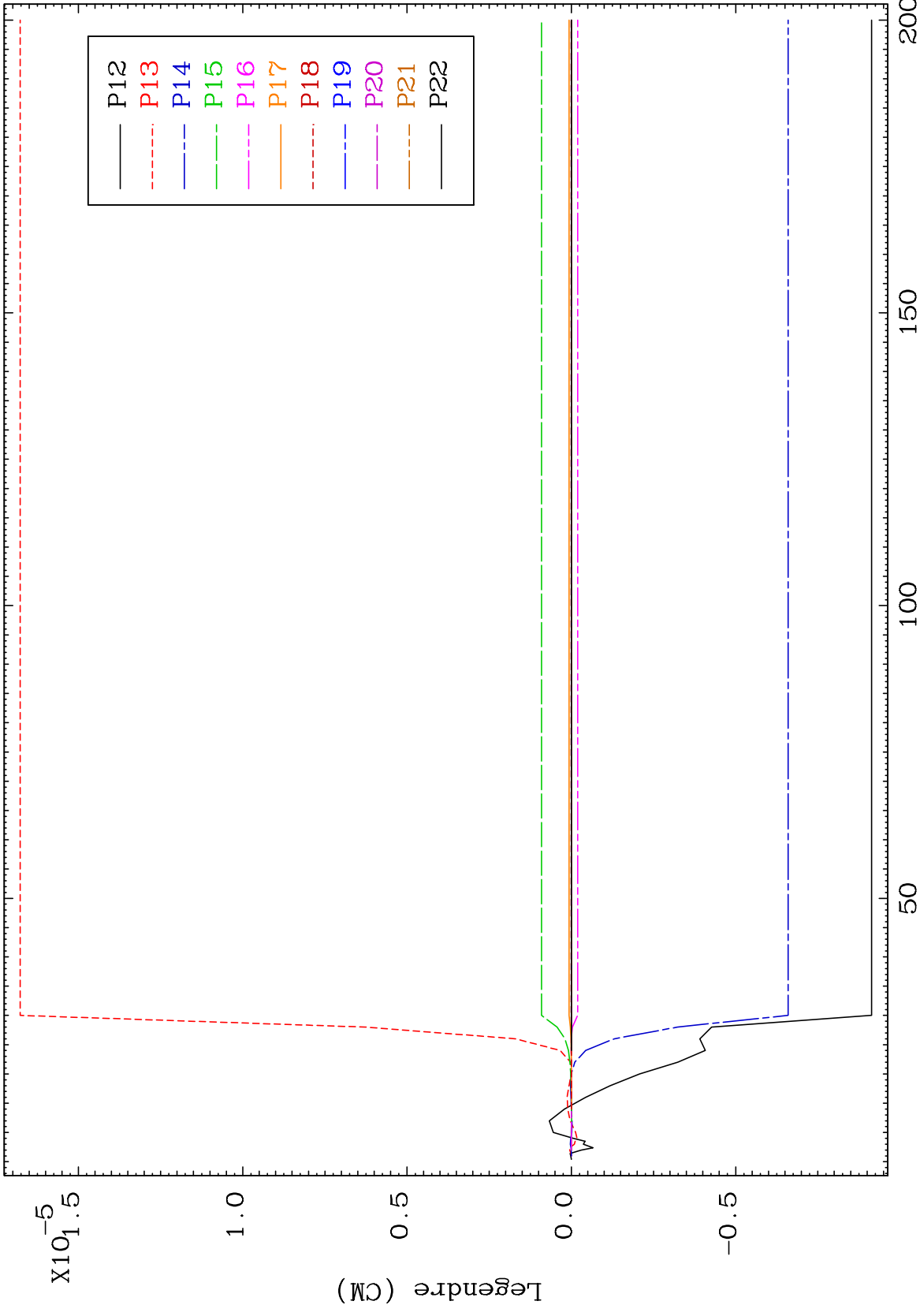
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



80

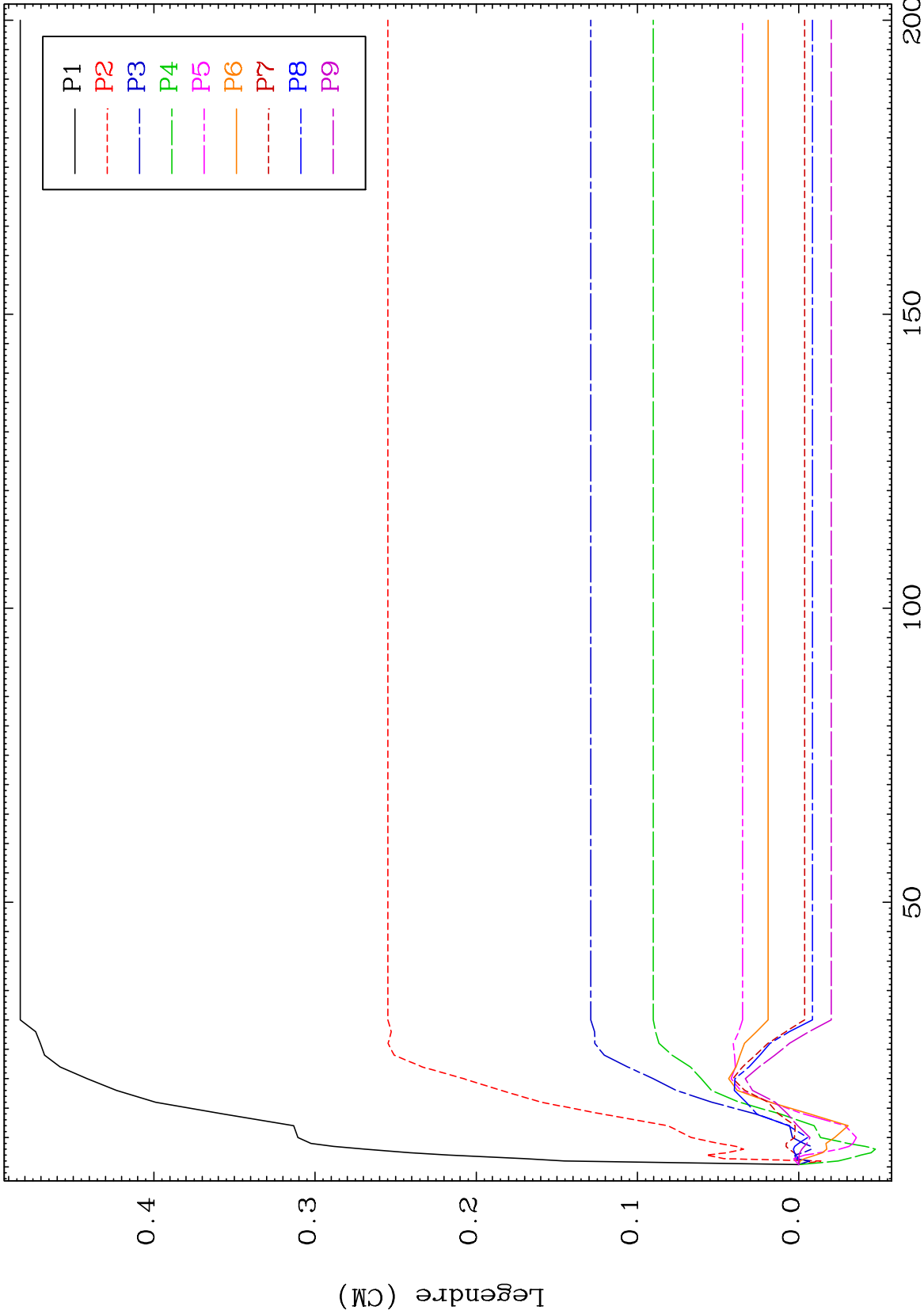
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



81

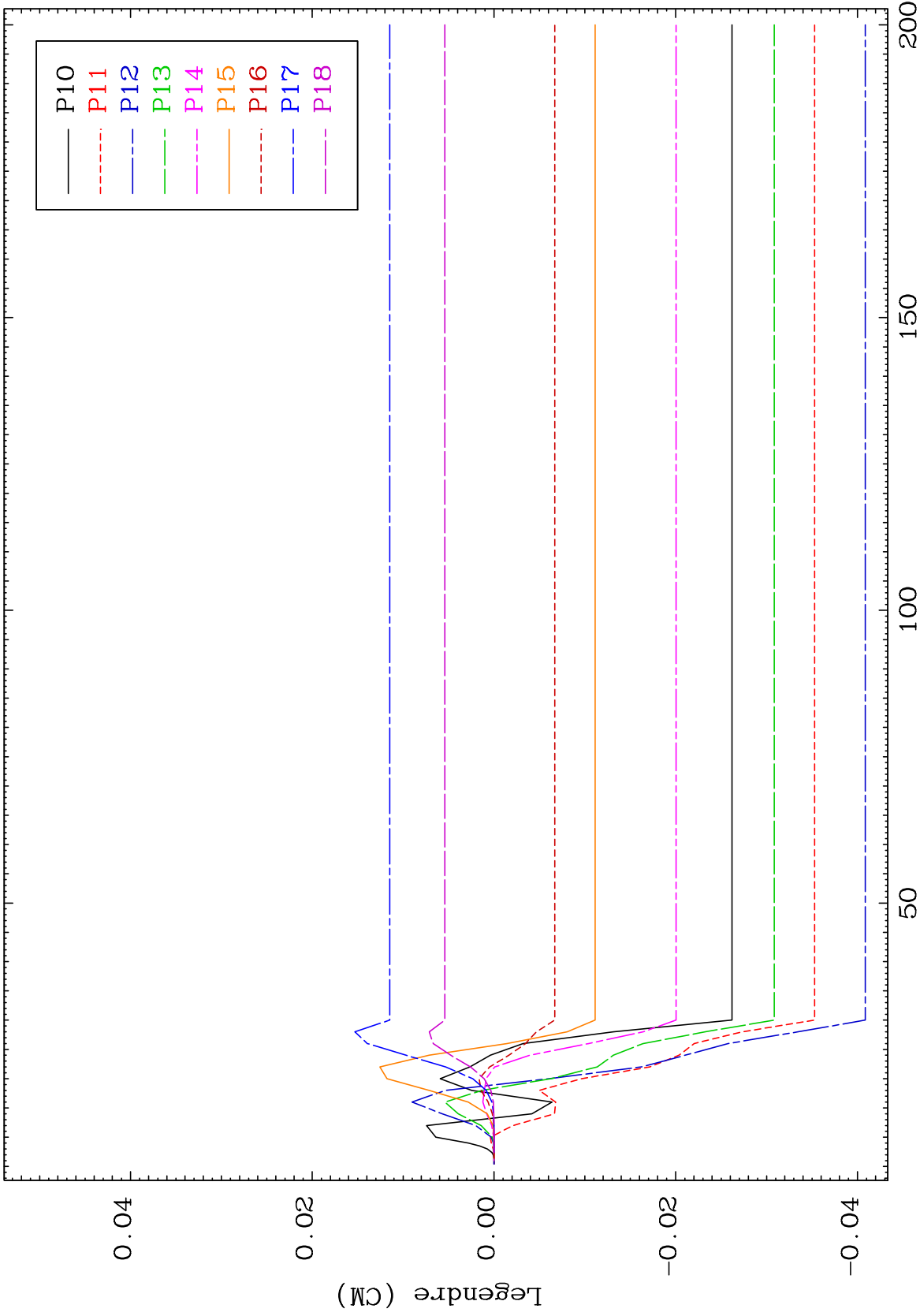
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



82

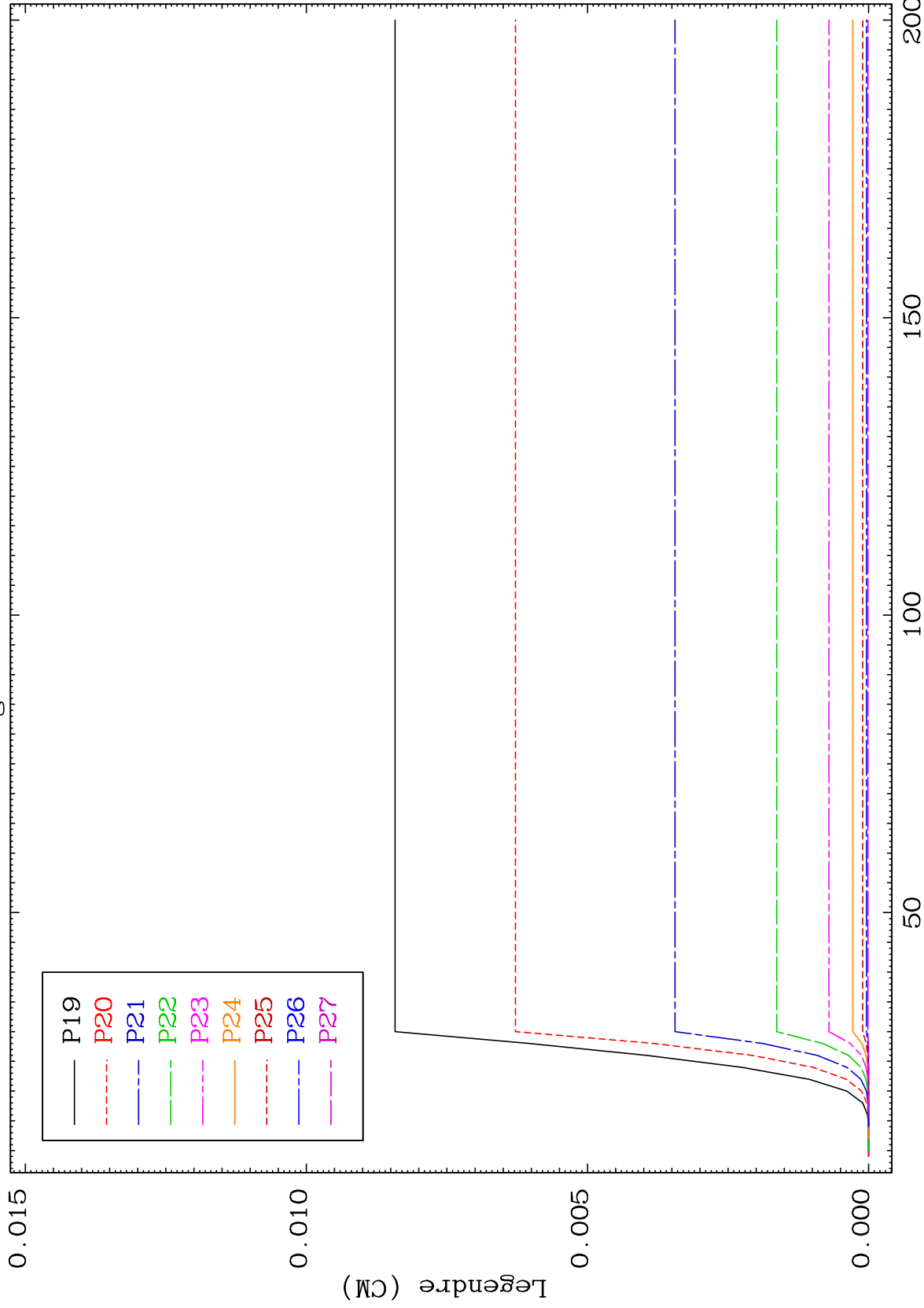
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

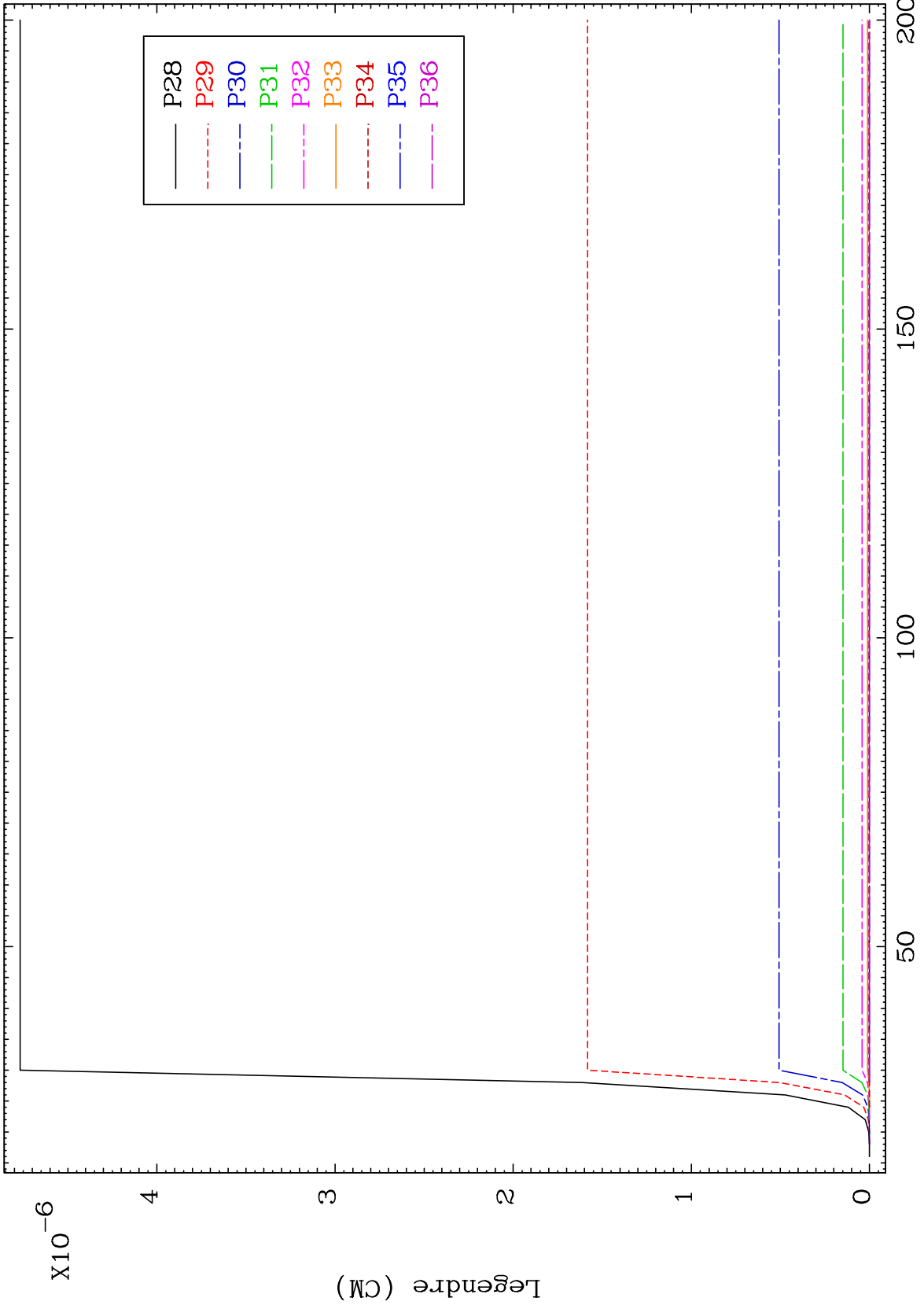
70-Yb-157



MAT 6992

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

70-Yb-157



84

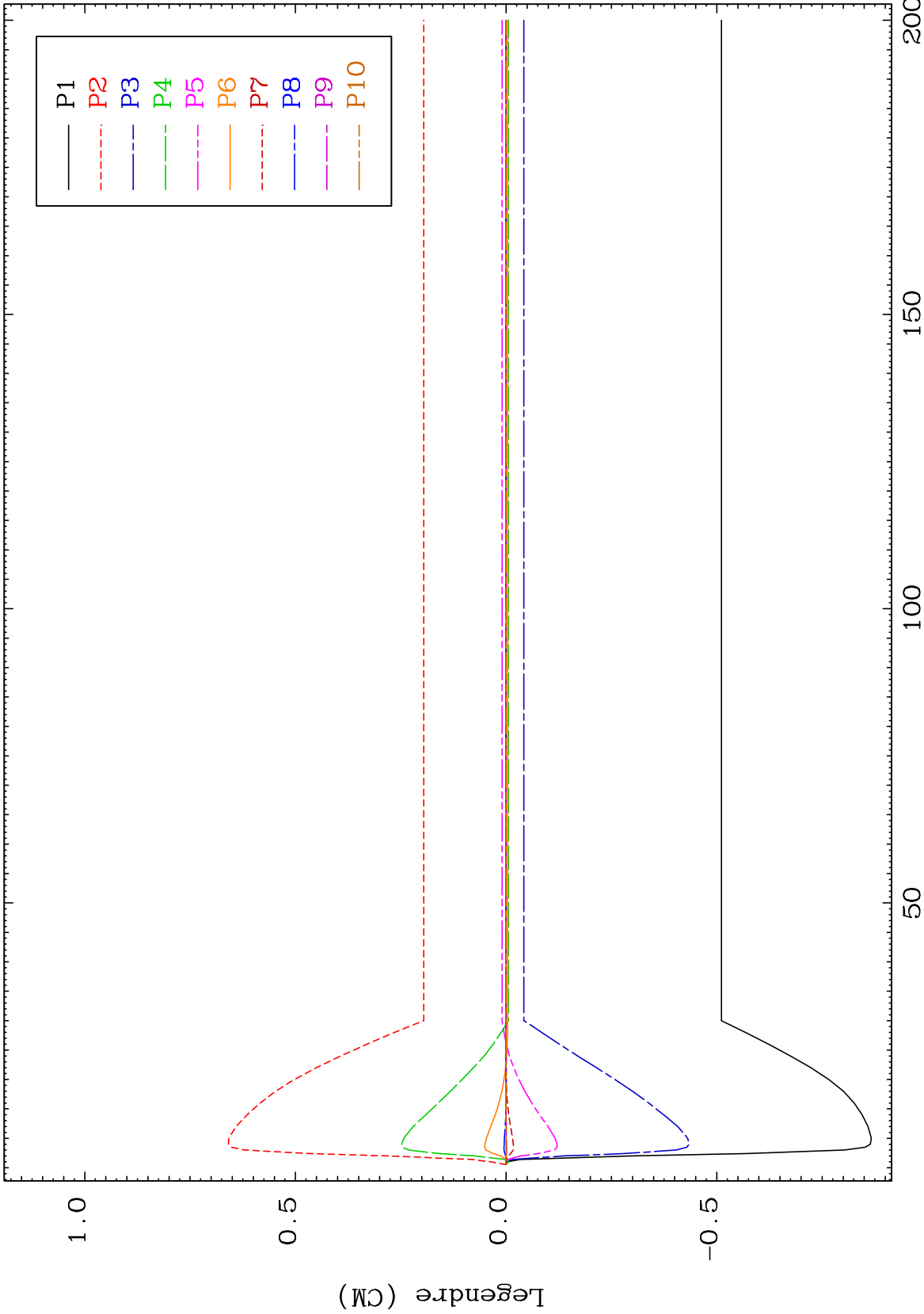
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



85

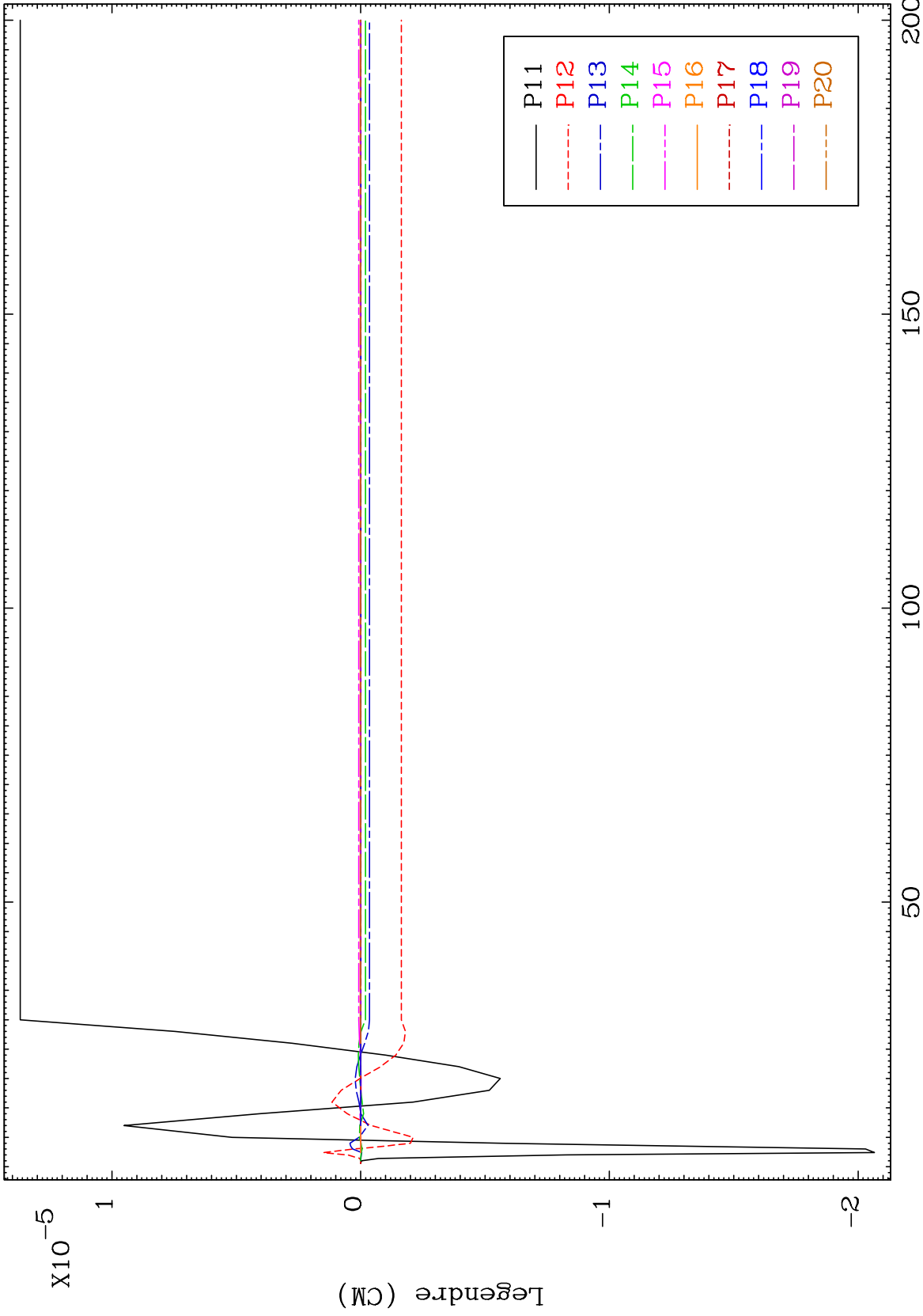
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



86

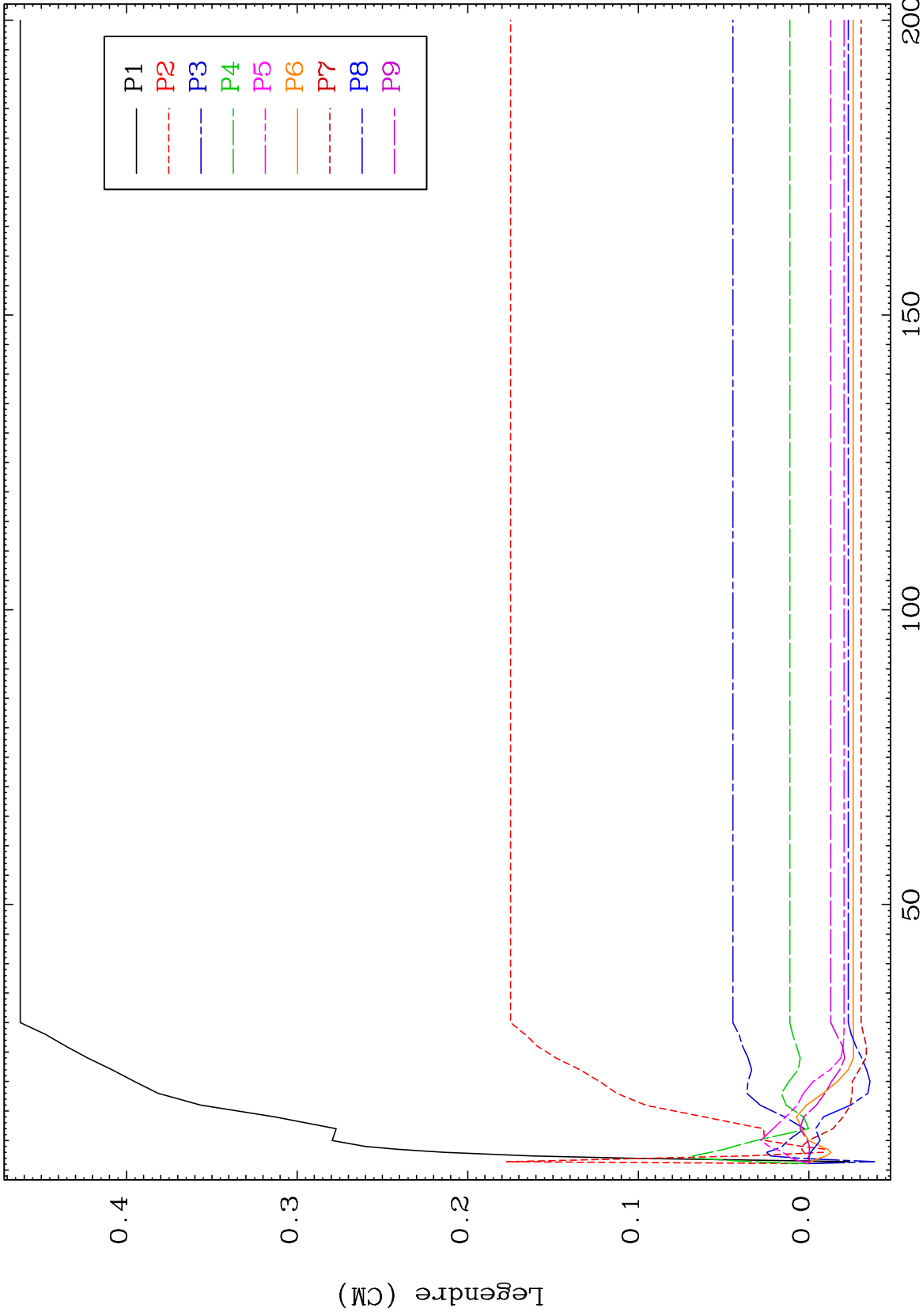
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157

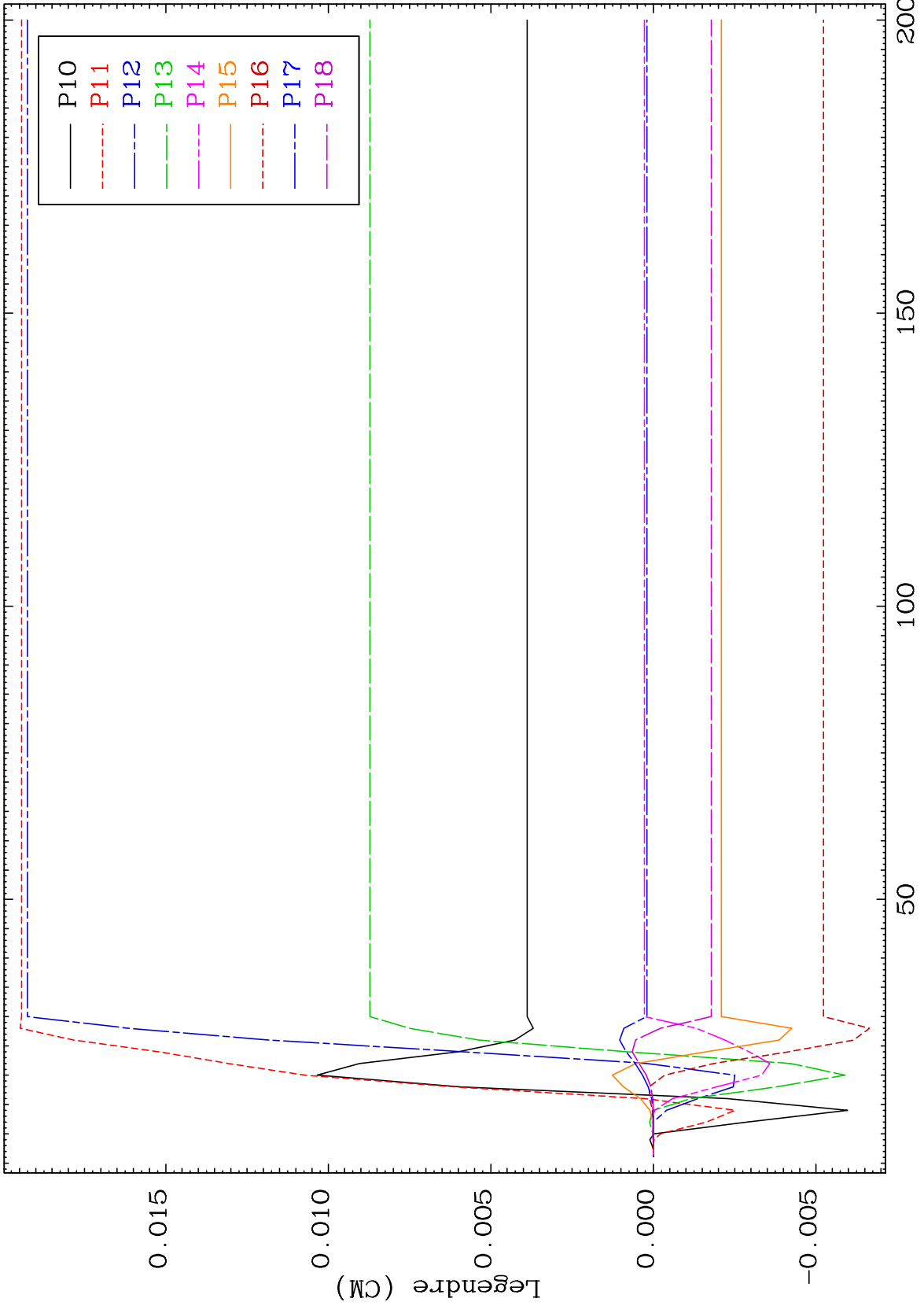


87

Incident Energy (MeV)

70-Yb-157

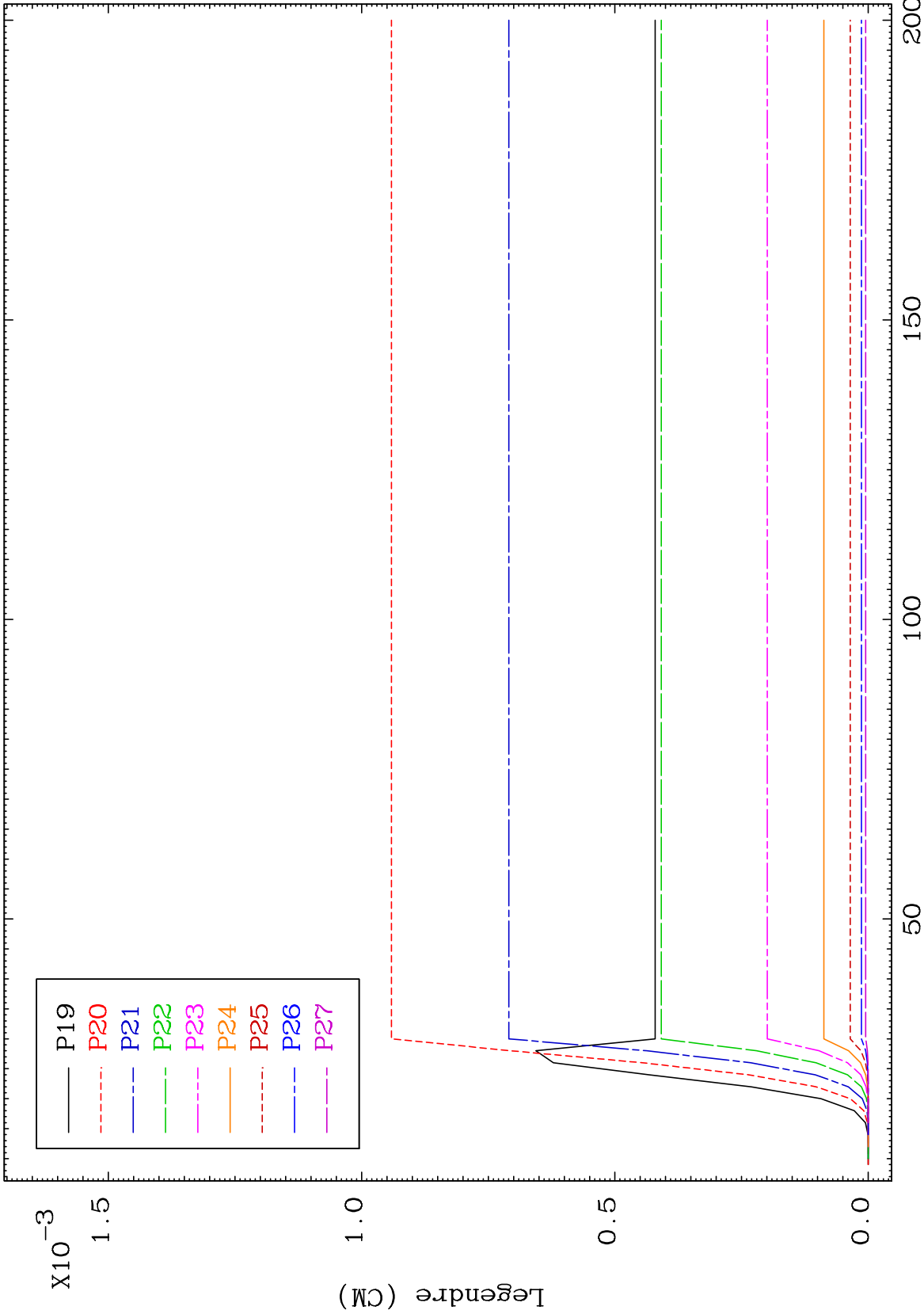
MAT 6992 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-157



MAT 6992

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

70-Yb-157



89

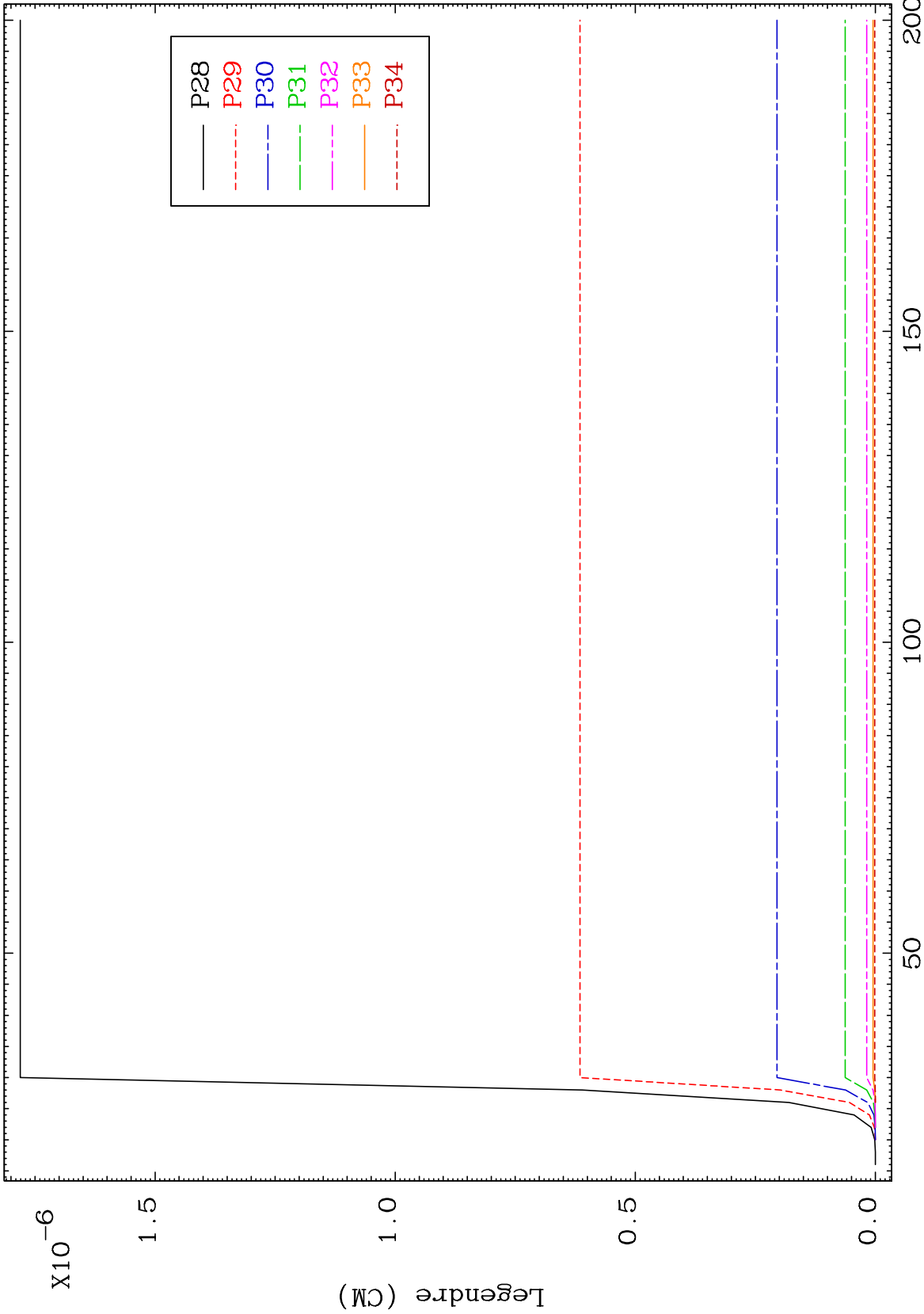
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



90

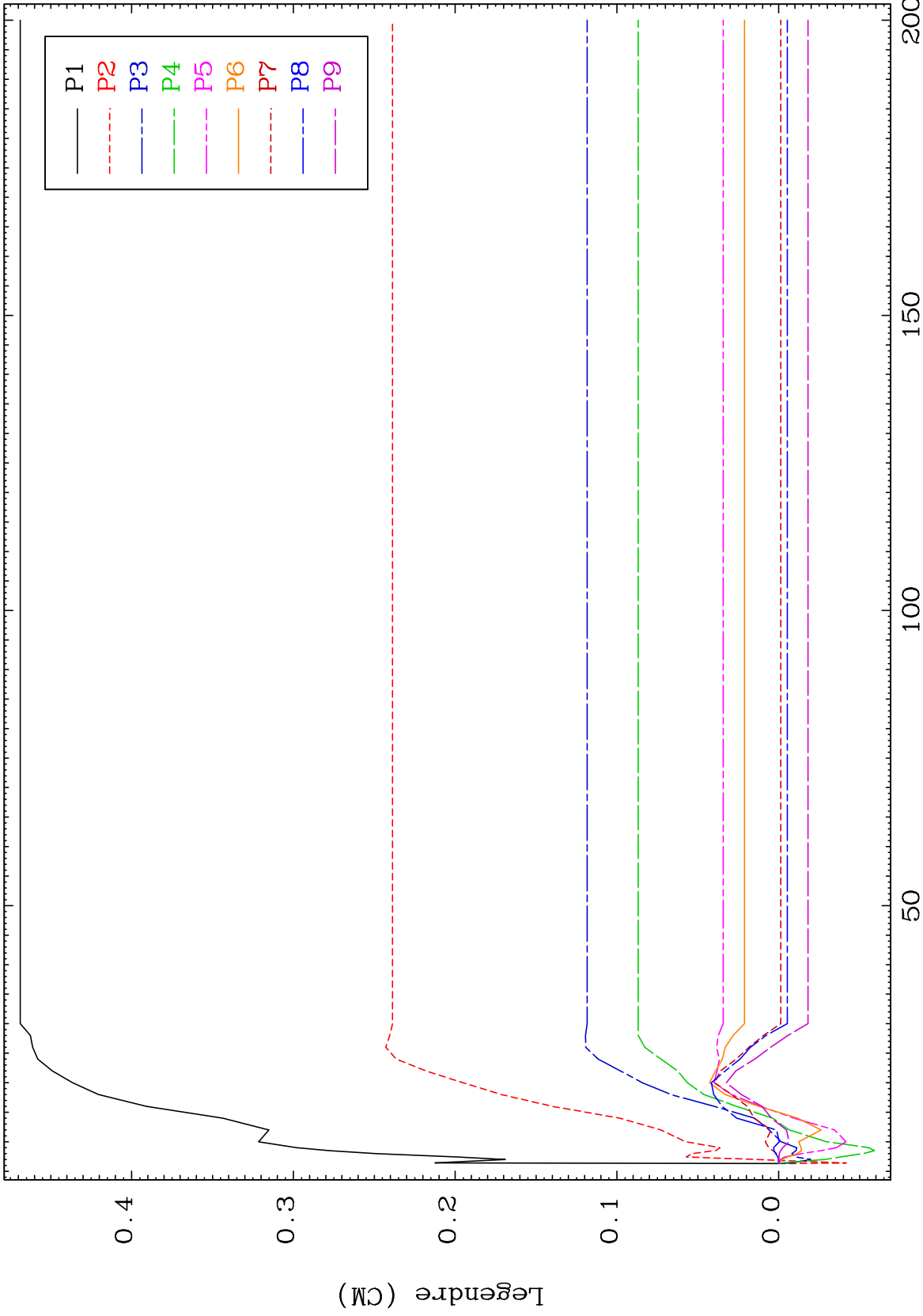
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



91

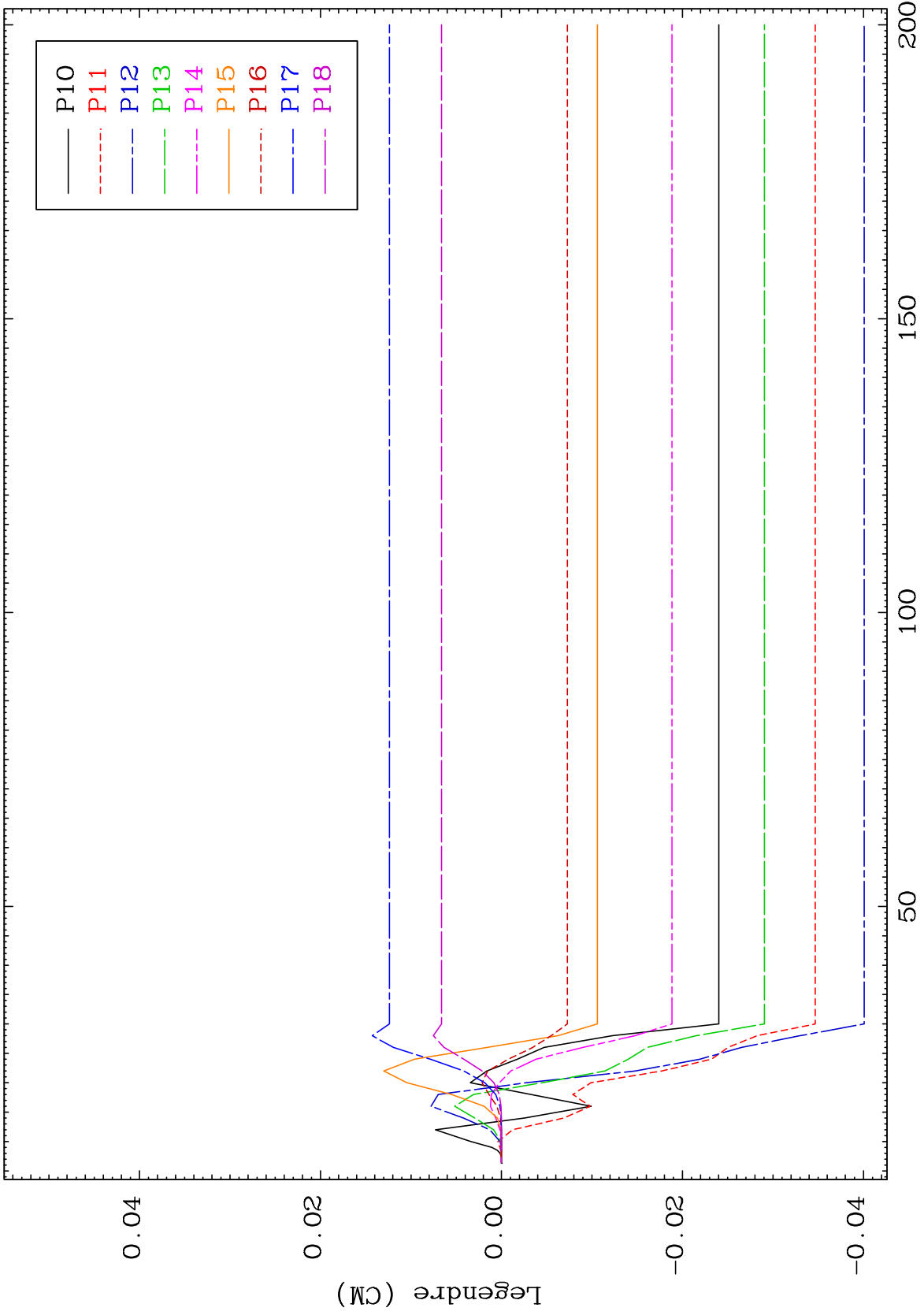
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



92

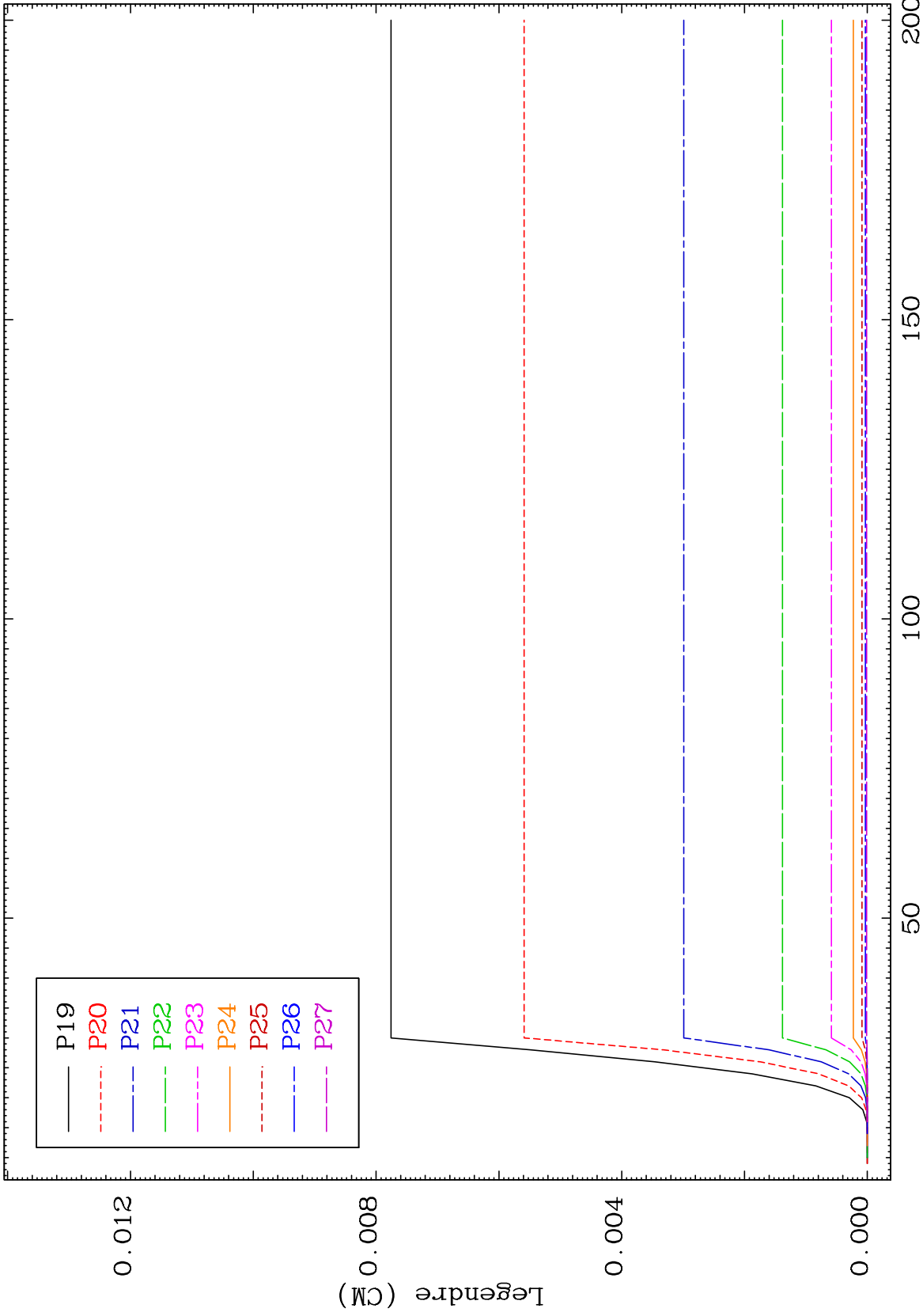
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



93

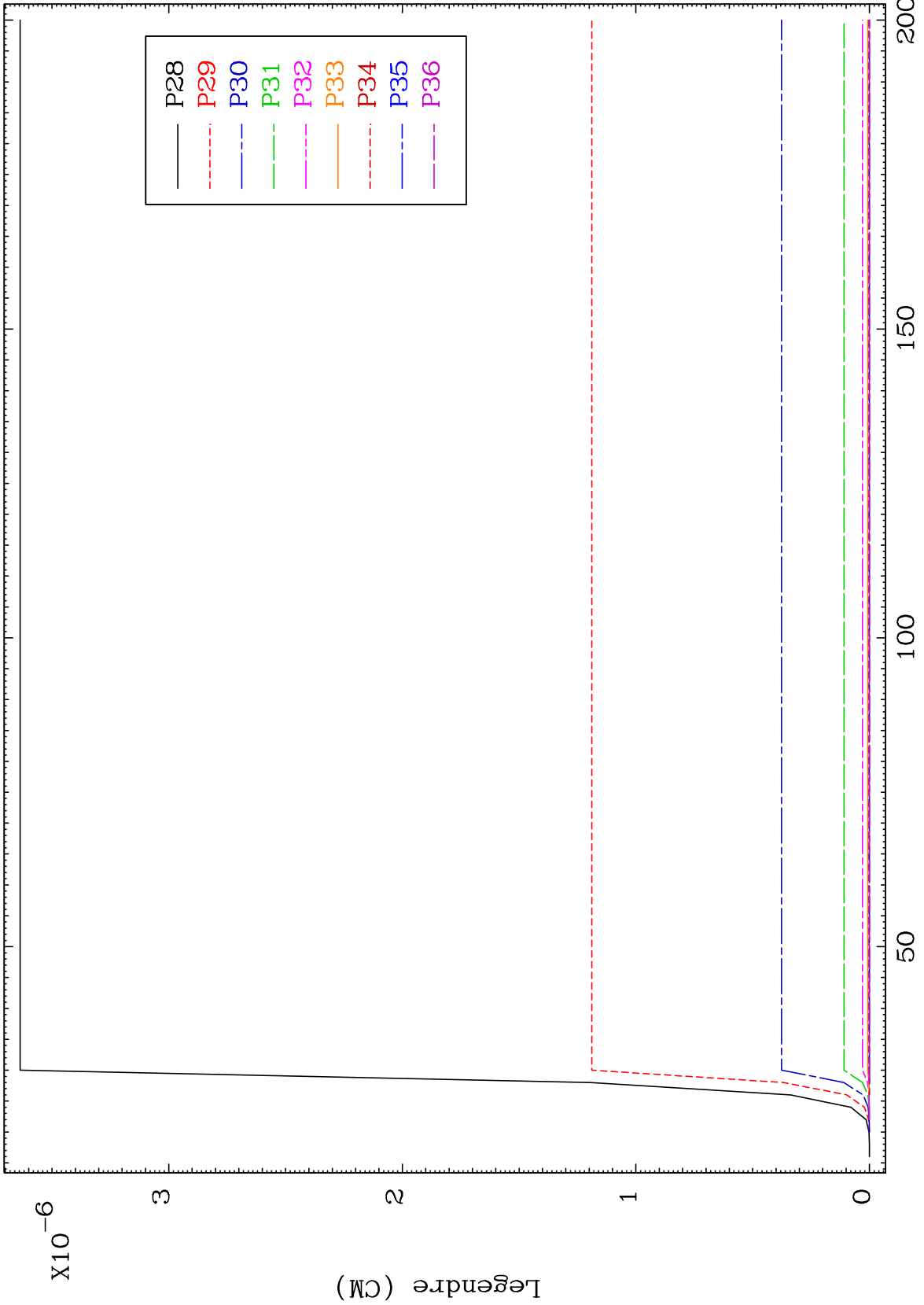
Incident Energy (MeV)

70-Yb-157

MAT 6992

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

70-Yb-157



94

Incident Energy (MeV)

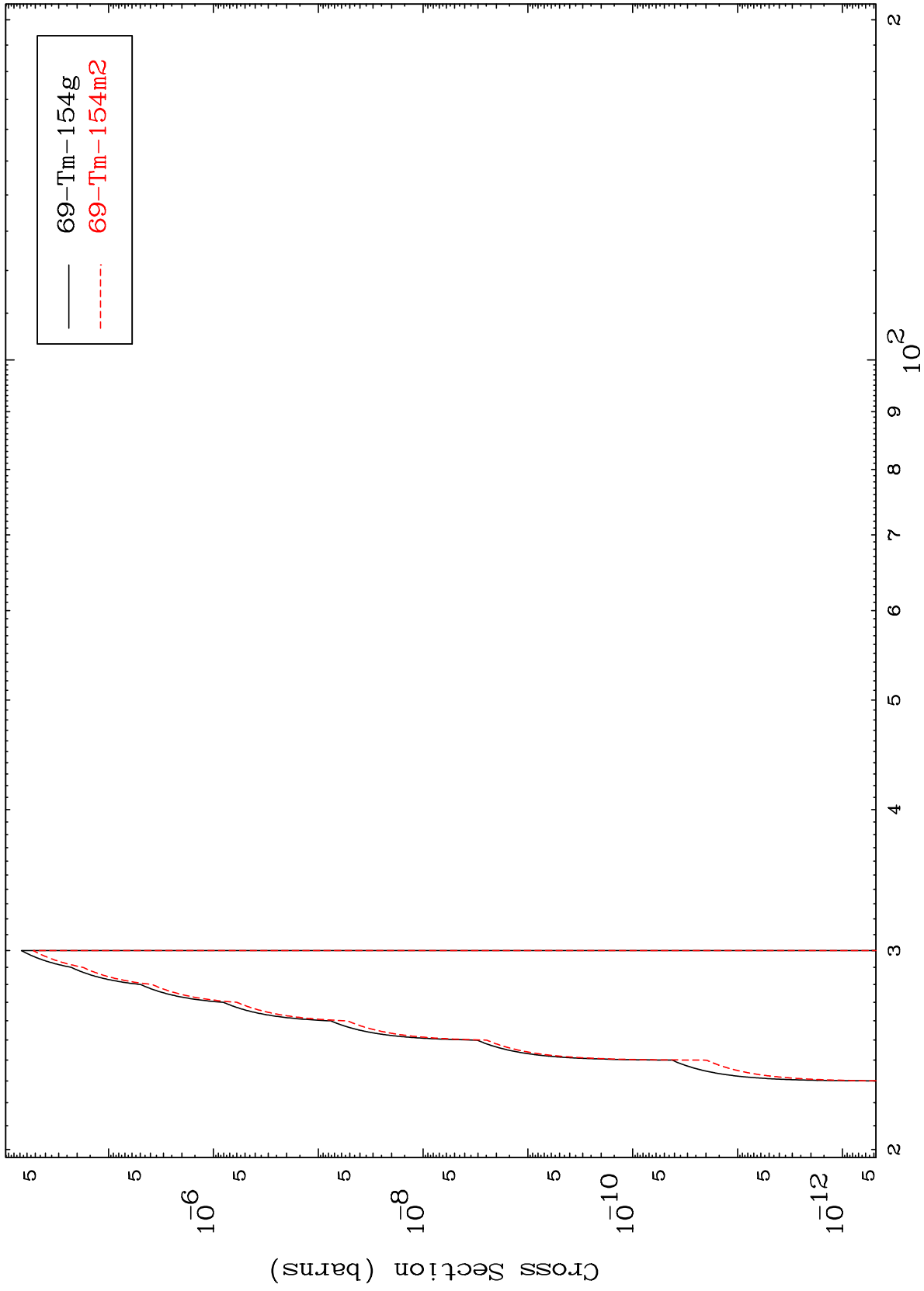
70-Yb-157

MAT 6992

(n,2n) d

70-Yb-157

Radionuclide Production Cross Section



95

Incident Energy (MeV)

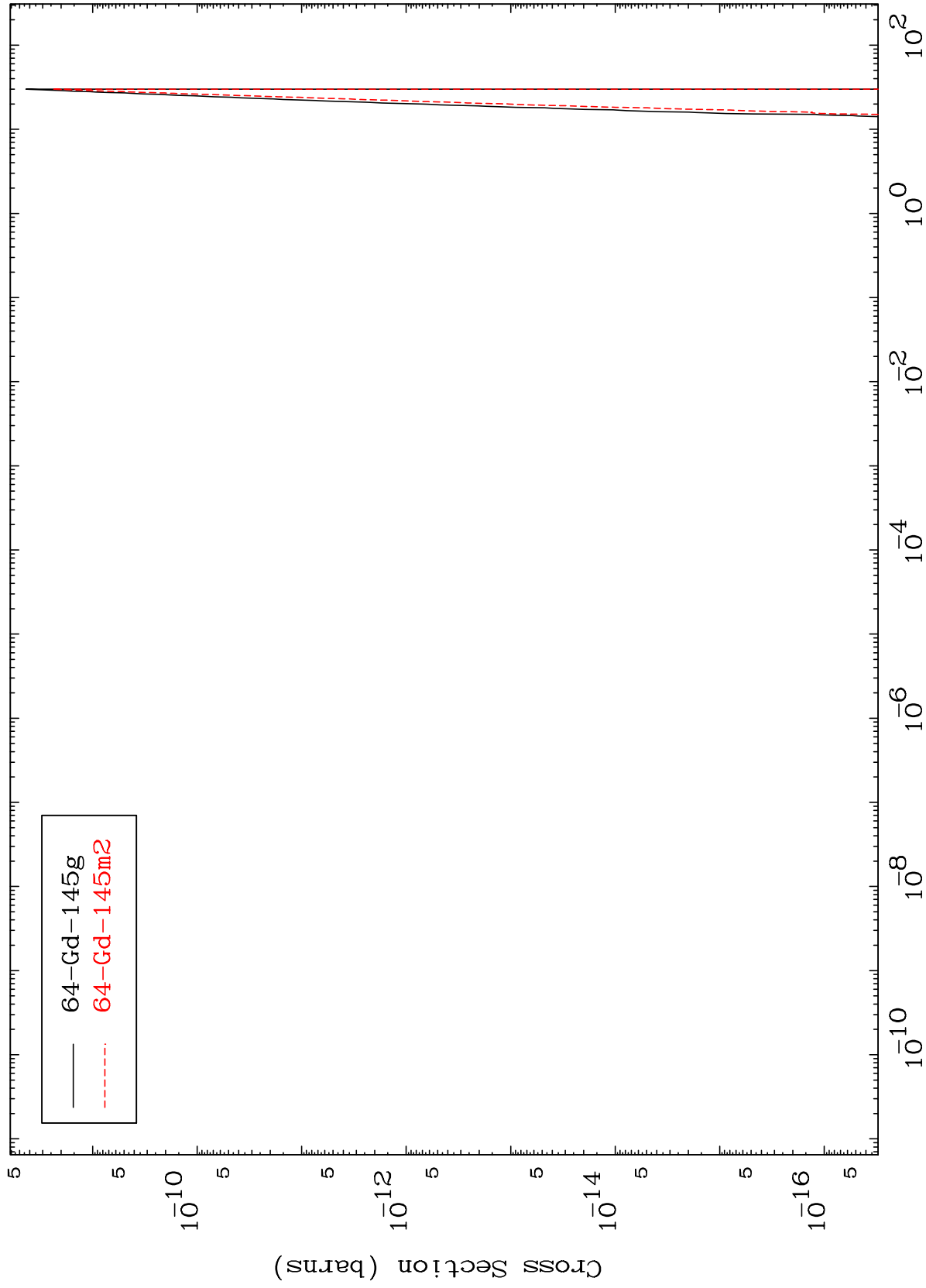
70-Yb-157

MAT 6992

(n,n') 3 α

70-Yb-157

Radionuclide Production Cross Section



96

Incident Energy (MeV)

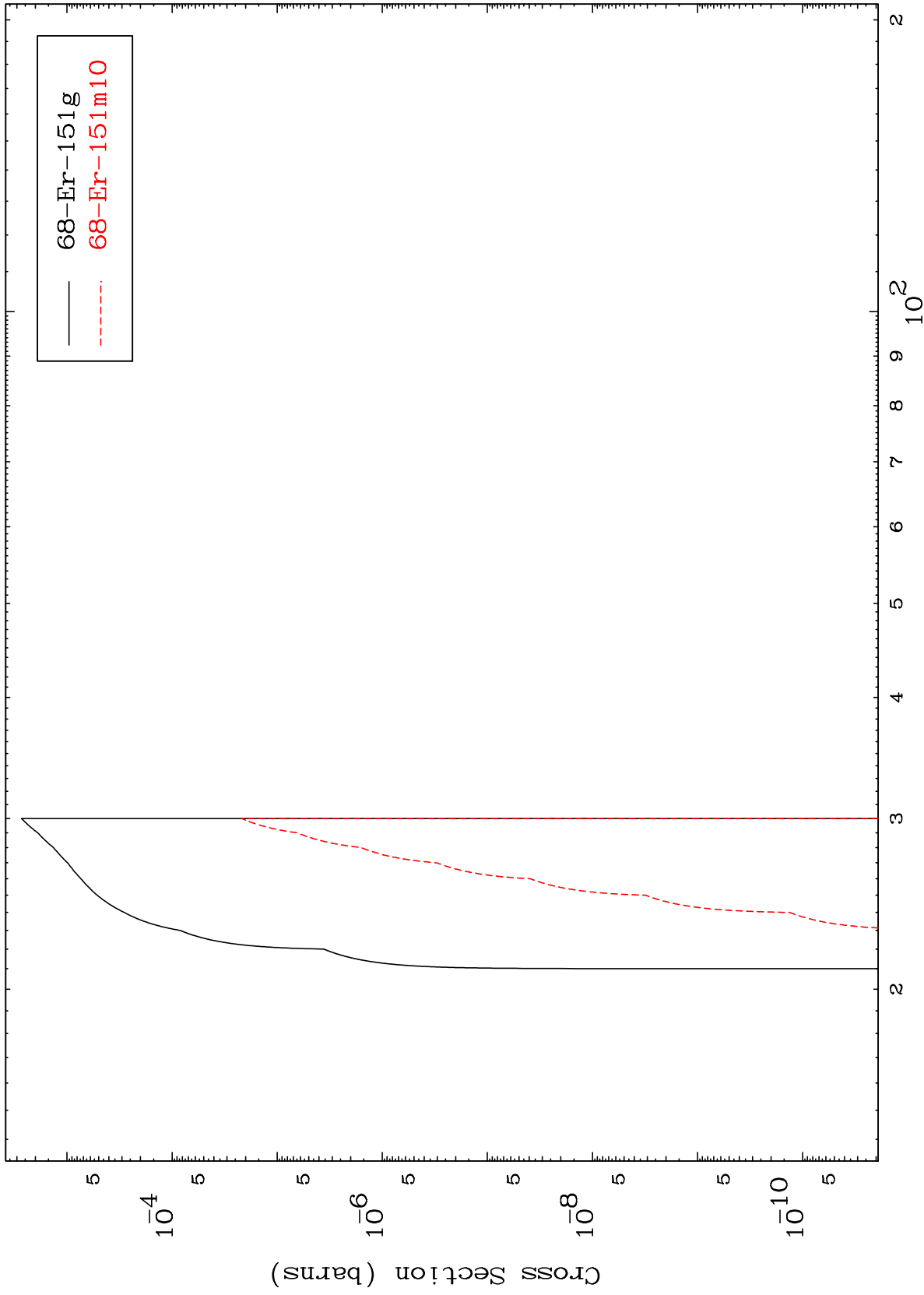
70-Yb-157

MAT 6992

(n,3n) α

70-Yb-157

Radionuclide Production Cross Section



97

Incident Energy (MeV)

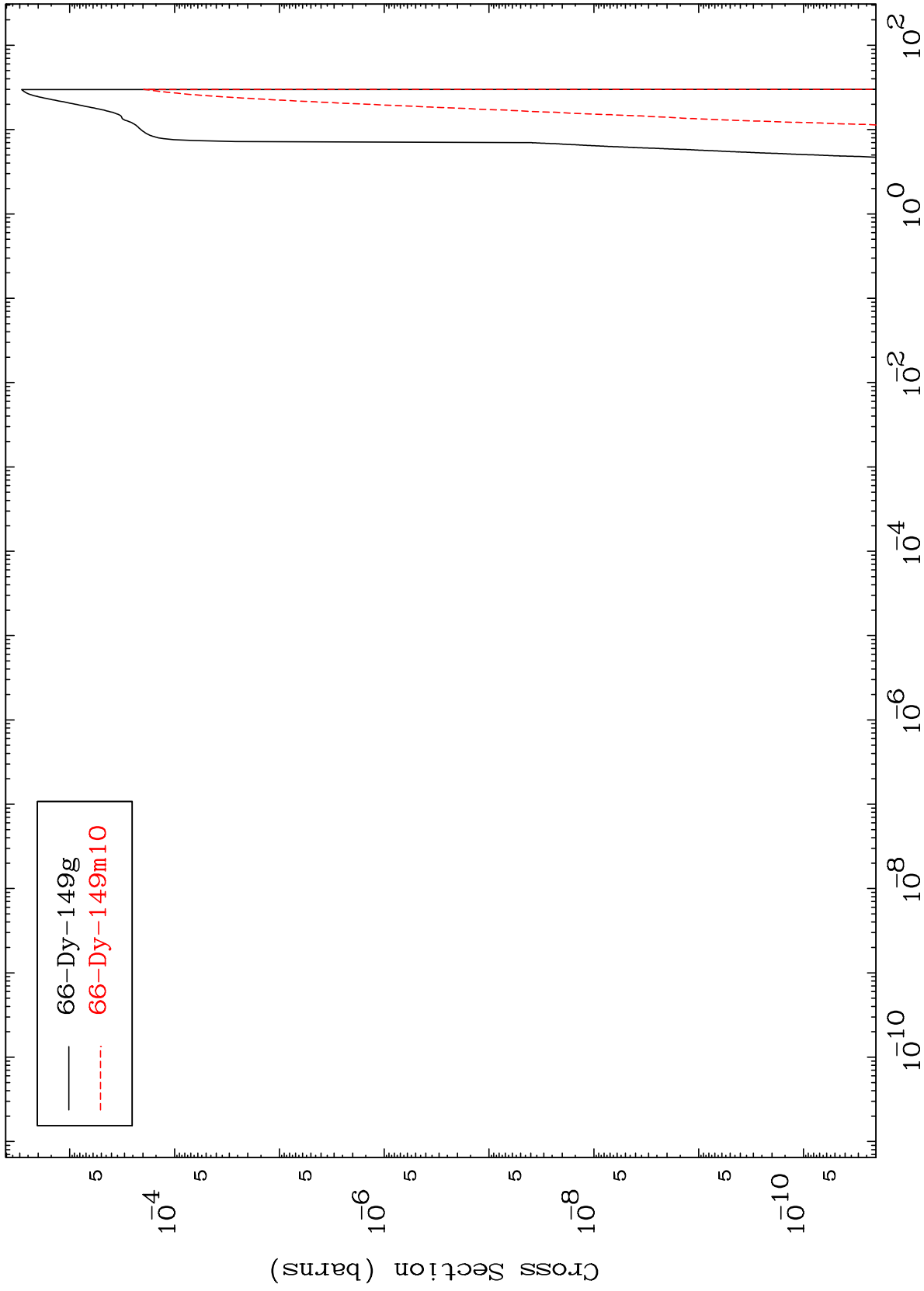
70-Yb-157

MAT 6992

(n, n') 2 α

70-Yb-157

Radionuclide Production Cross Section



66-Dy-149g
66-Dy-149m10

98

Incident Energy (MeV)

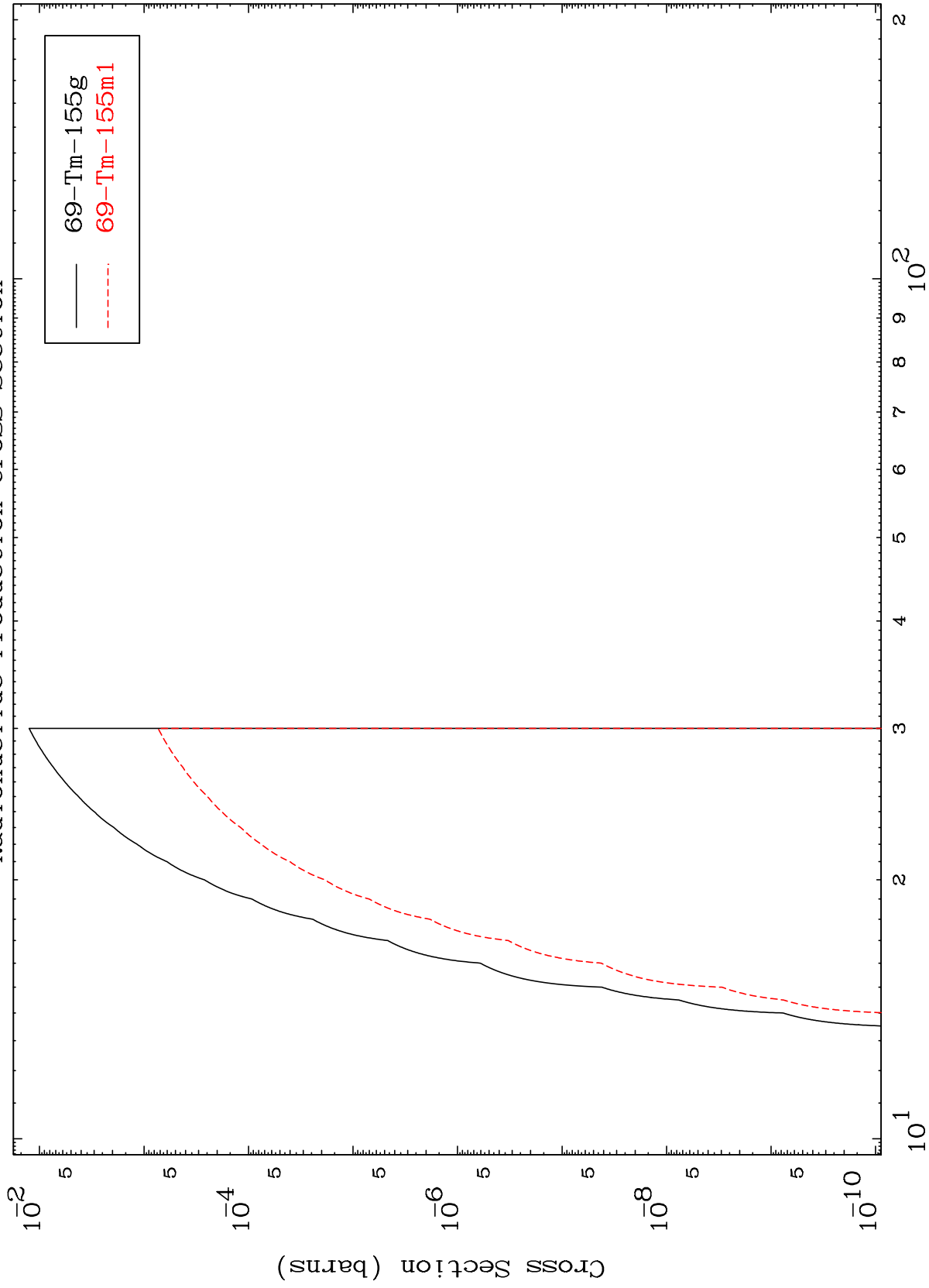
70-Yb-157

MAT 6992

(n,n') d

70-Yb-157

Radionuclide Production Cross Section



Incident Energy (MeV)

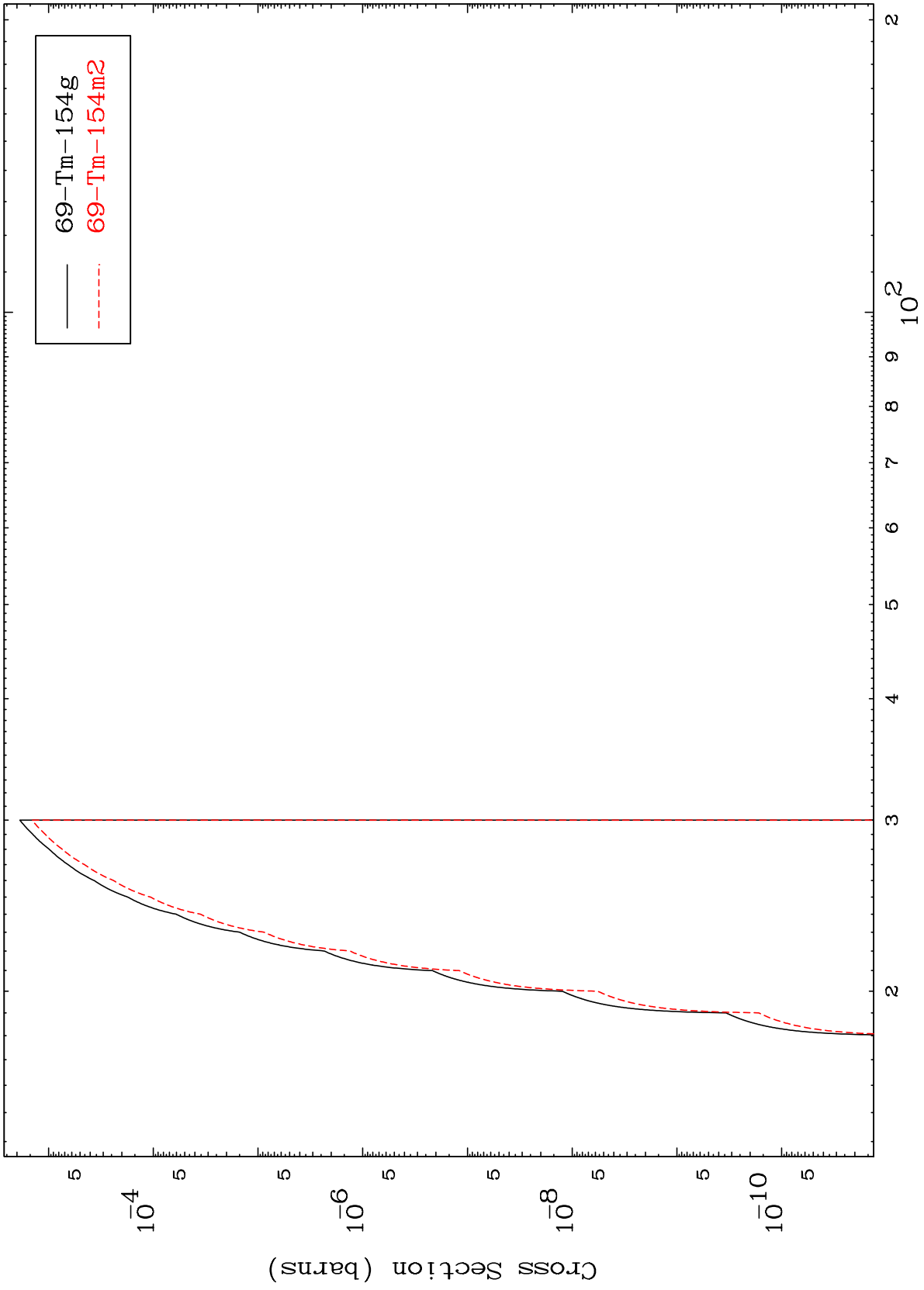
70-Yb-157

MAT 6992

(n,n') t

70-Yb-157

Radionuclide Production Cross Section



100

Incident Energy (MeV)

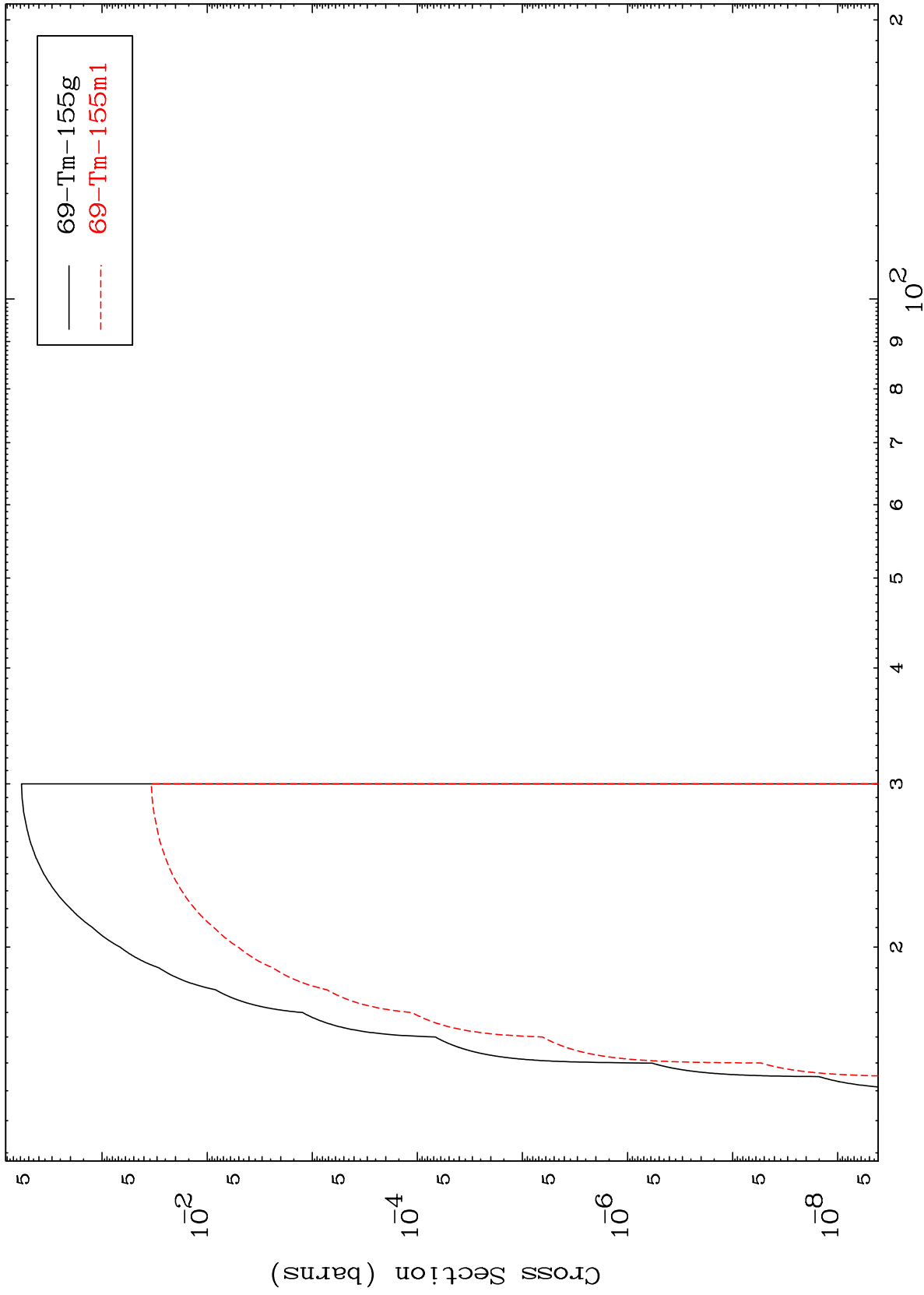
70-Yb-157

MAT 6992

(n,2n) p

70-Yb-157

Radionuclide Production Cross Section



101

Incident Energy (MeV)

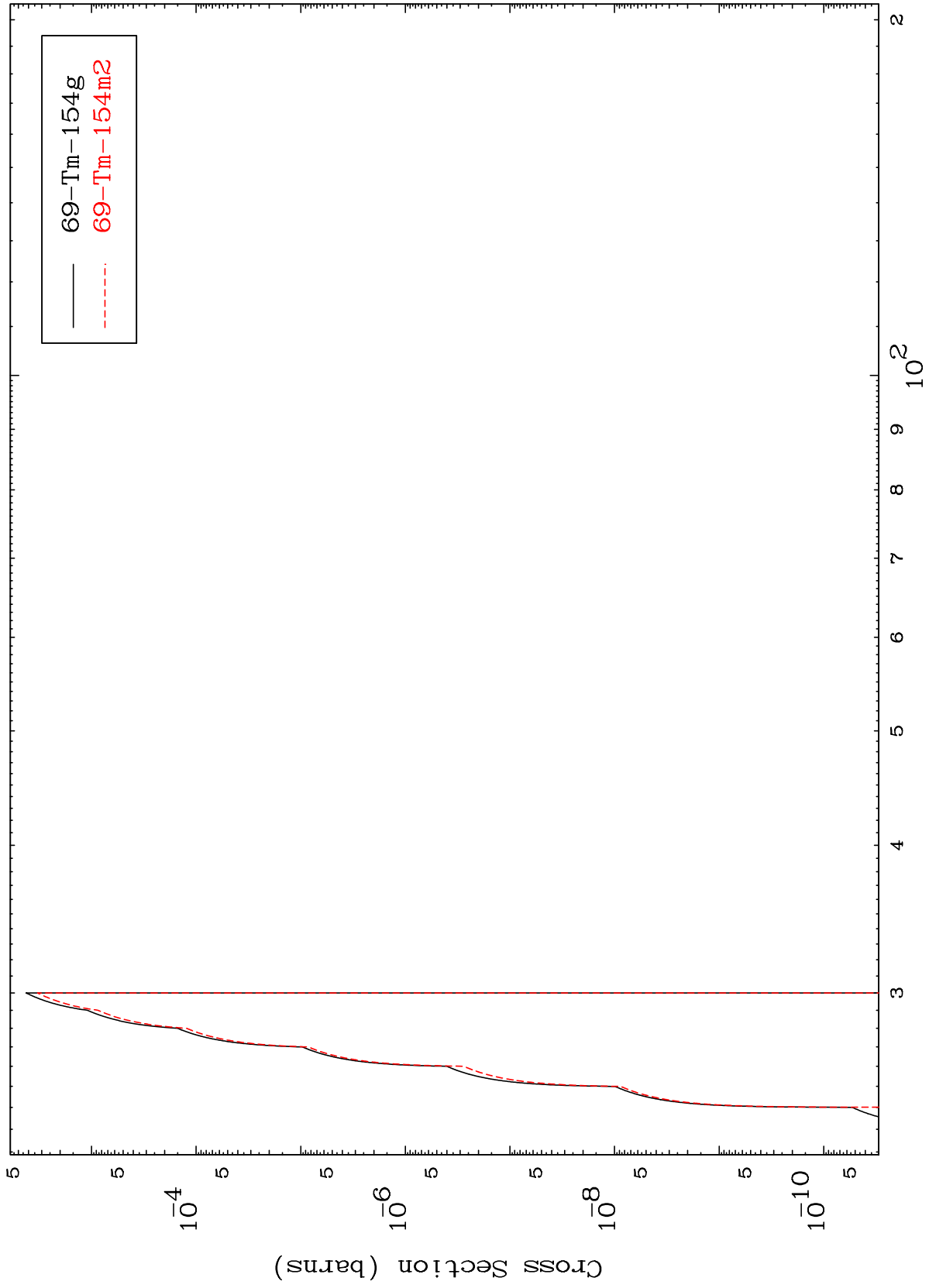
70-Yb-157

MAT 6992

(n,3n) p

70-Yb-157

Radionuclide Production Cross Section



102

Incident Energy (MeV)

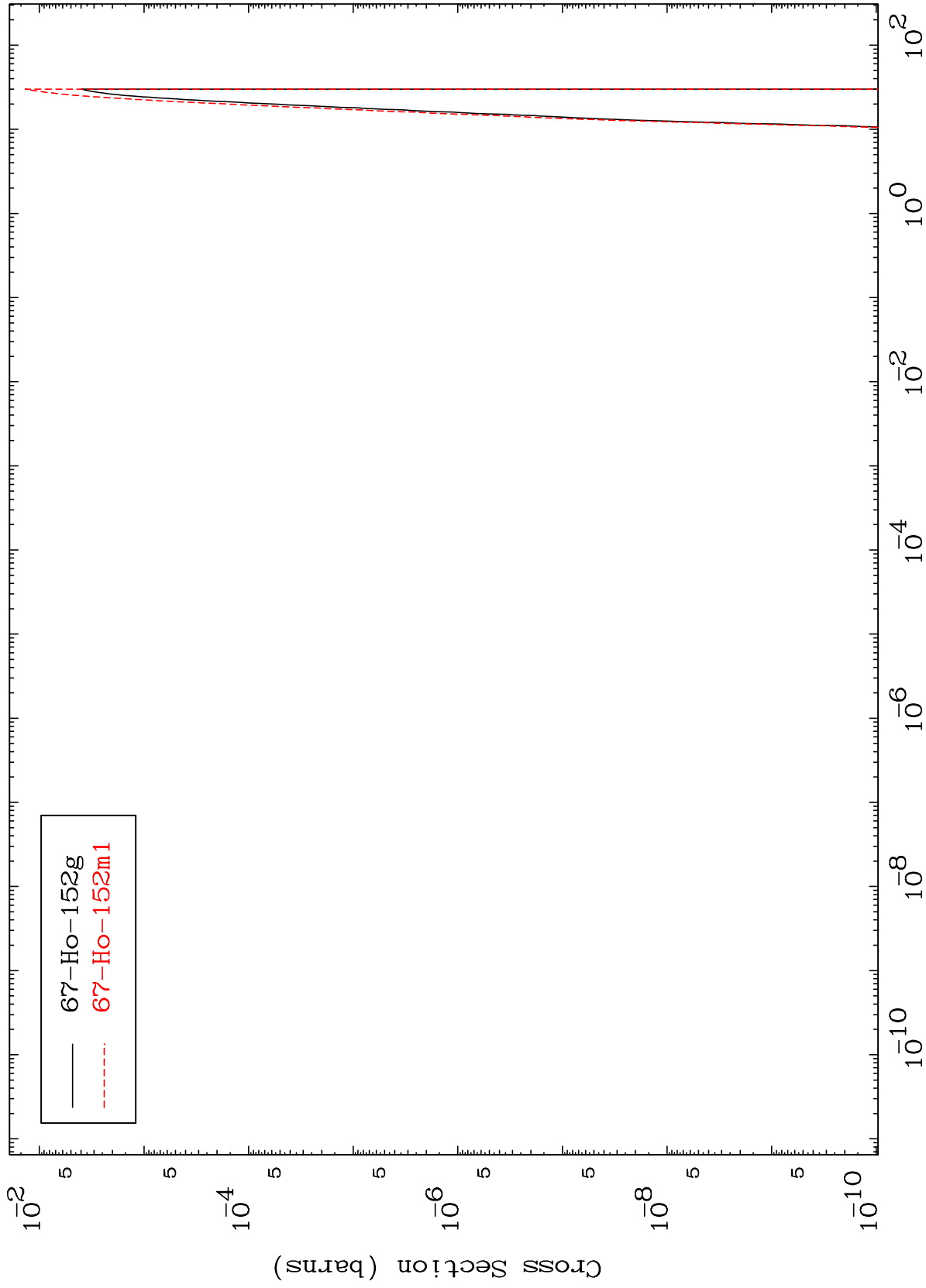
70-Yb-157

MAT 6992

(n,n') p α

70-Yb-157

Radionuclide Production Cross Section



67-Ho-152g
67-Ho-152m1

103

Incident Energy (MeV)

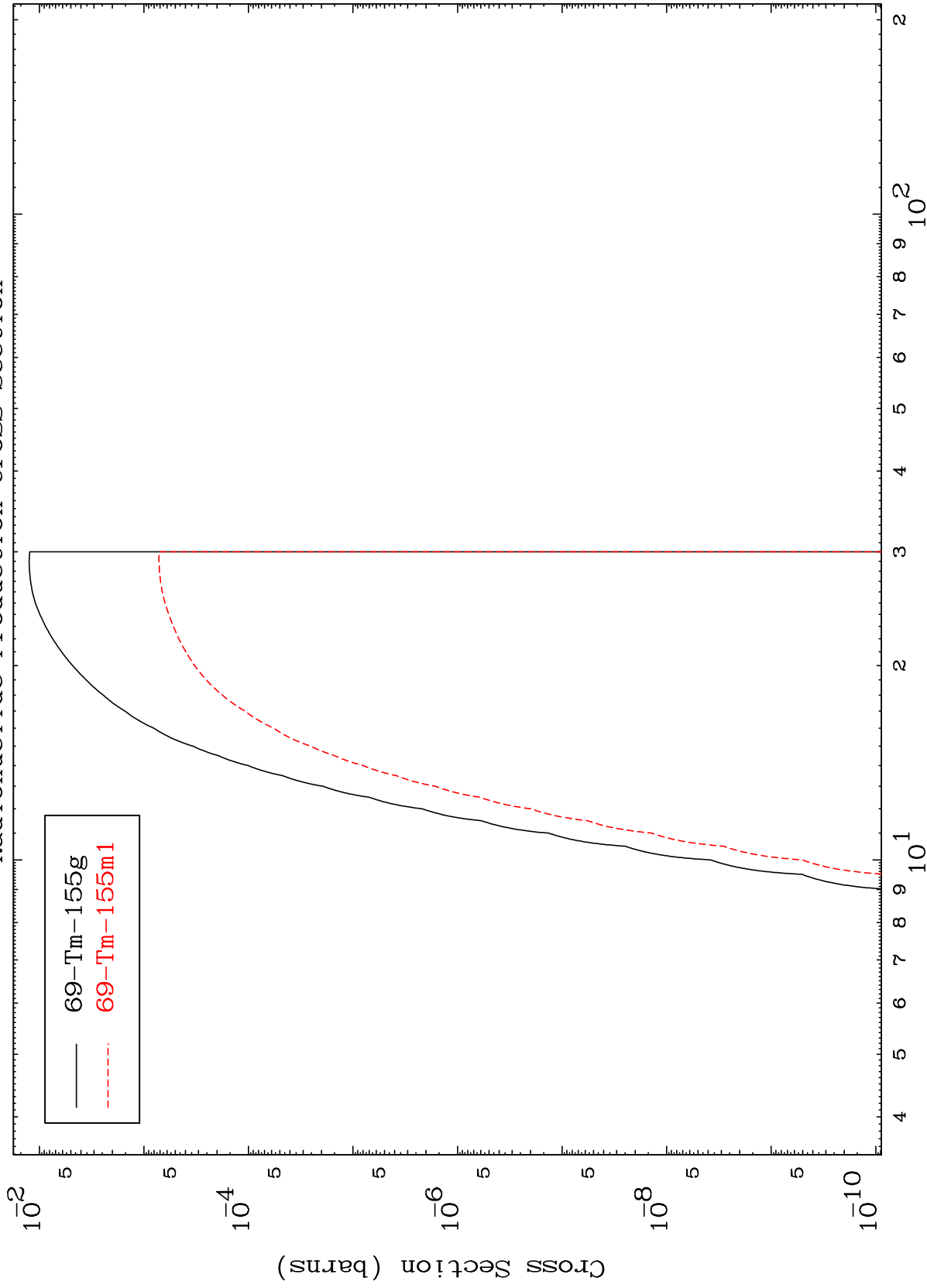
70-Yb-157

MAT 6992

(n, t)

70-Yb-157

Radionuclide Production Cross Section



104

Incident Energy (MeV)

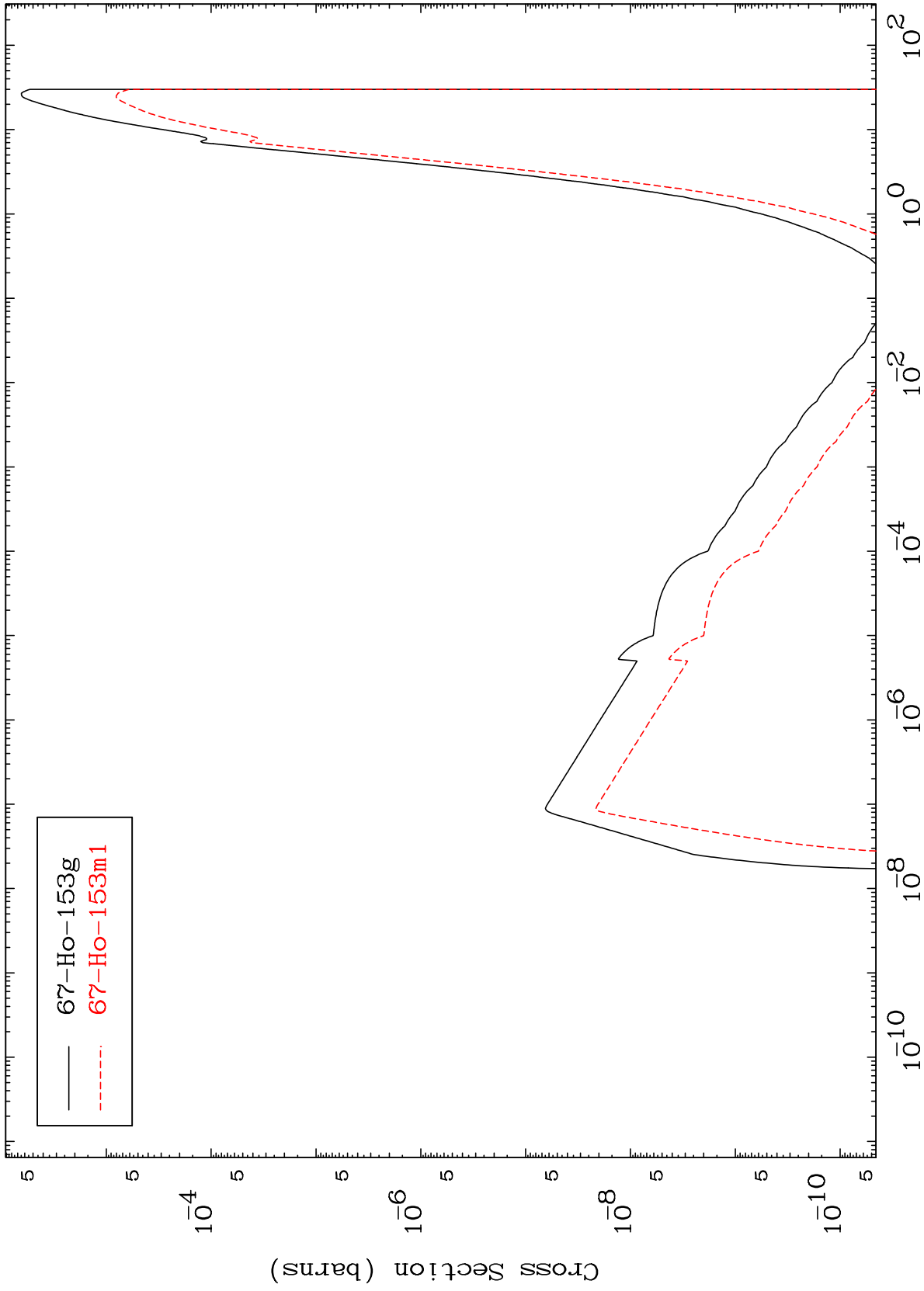
70-Yb-157

MAT 6992

(n,p) α

70-Yb-157

Radionuclide Production Cross Section



— 67-Ho-153g
- - - 67-Ho-153m1

105

Incident Energy (MeV)

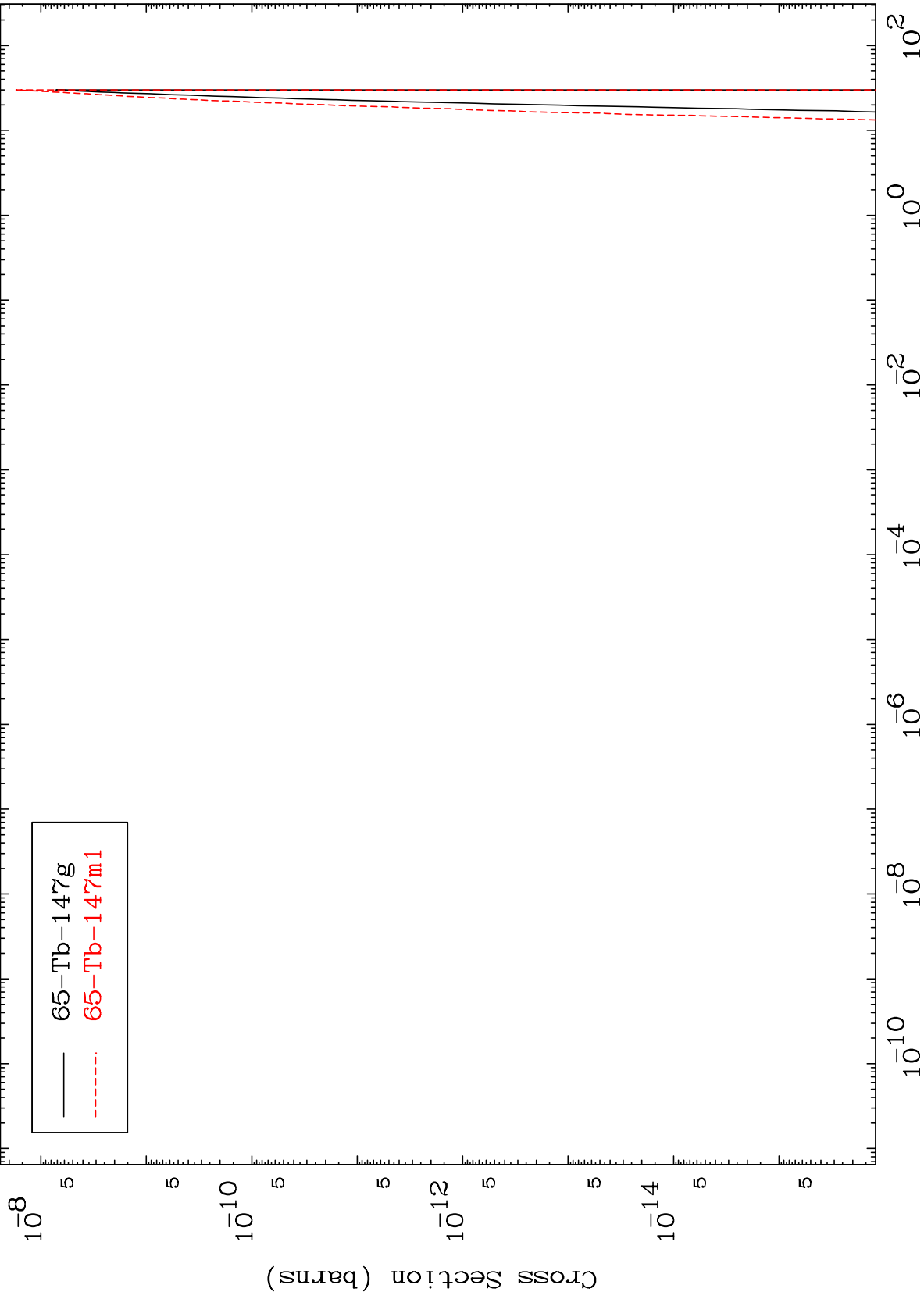
70-Yb-157

MAT 6992

(n, t) 2α

$^{70}\text{Yb-157}$

Radionuclide Production Cross Section



106

Incident Energy (MeV)

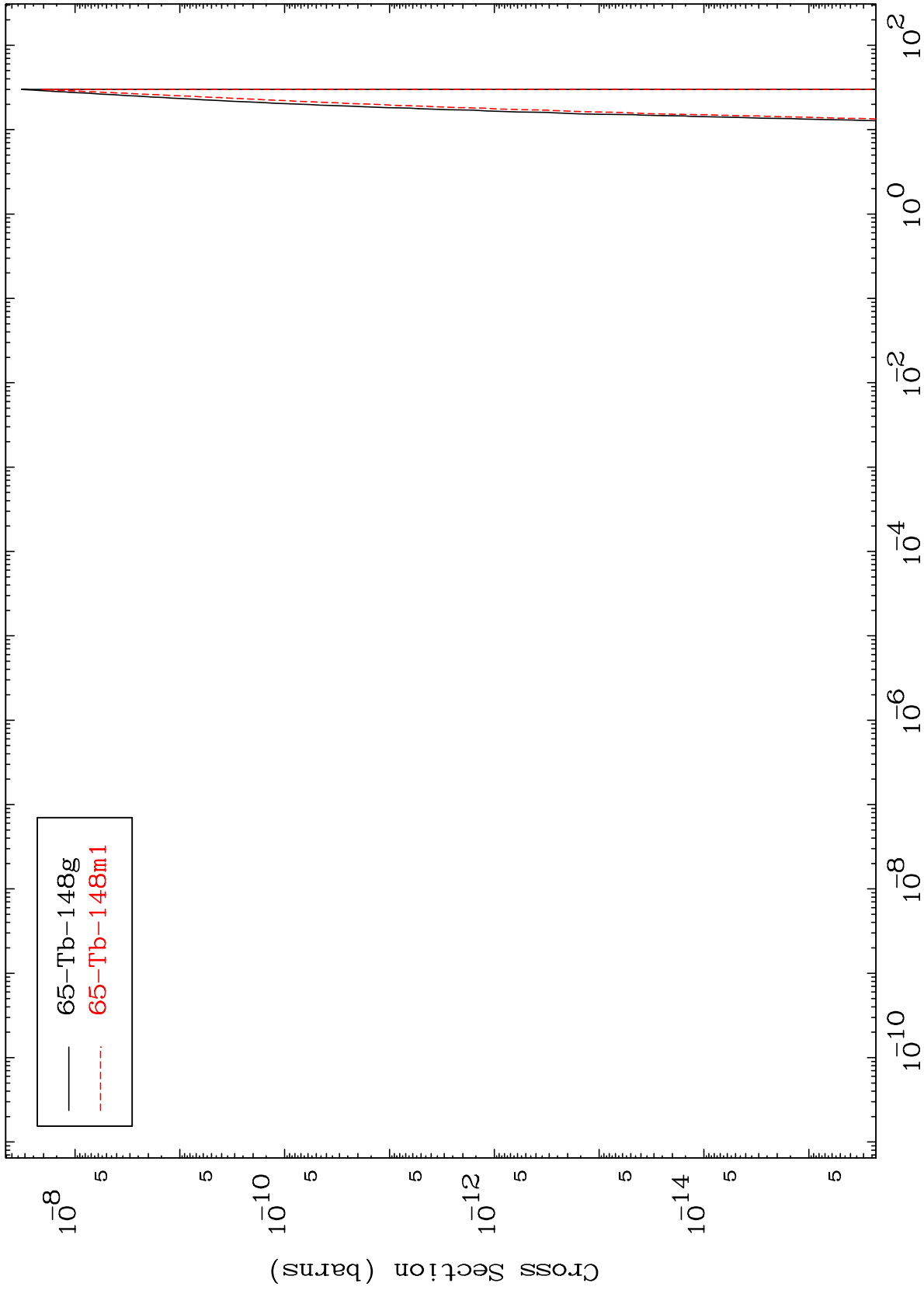
$^{70}\text{Yb-157}$

MAT 6992

(n,d) 2α

$^{70}\text{Yb-157}$

Radionuclide Production Cross Section



107

Incident Energy (MeV)

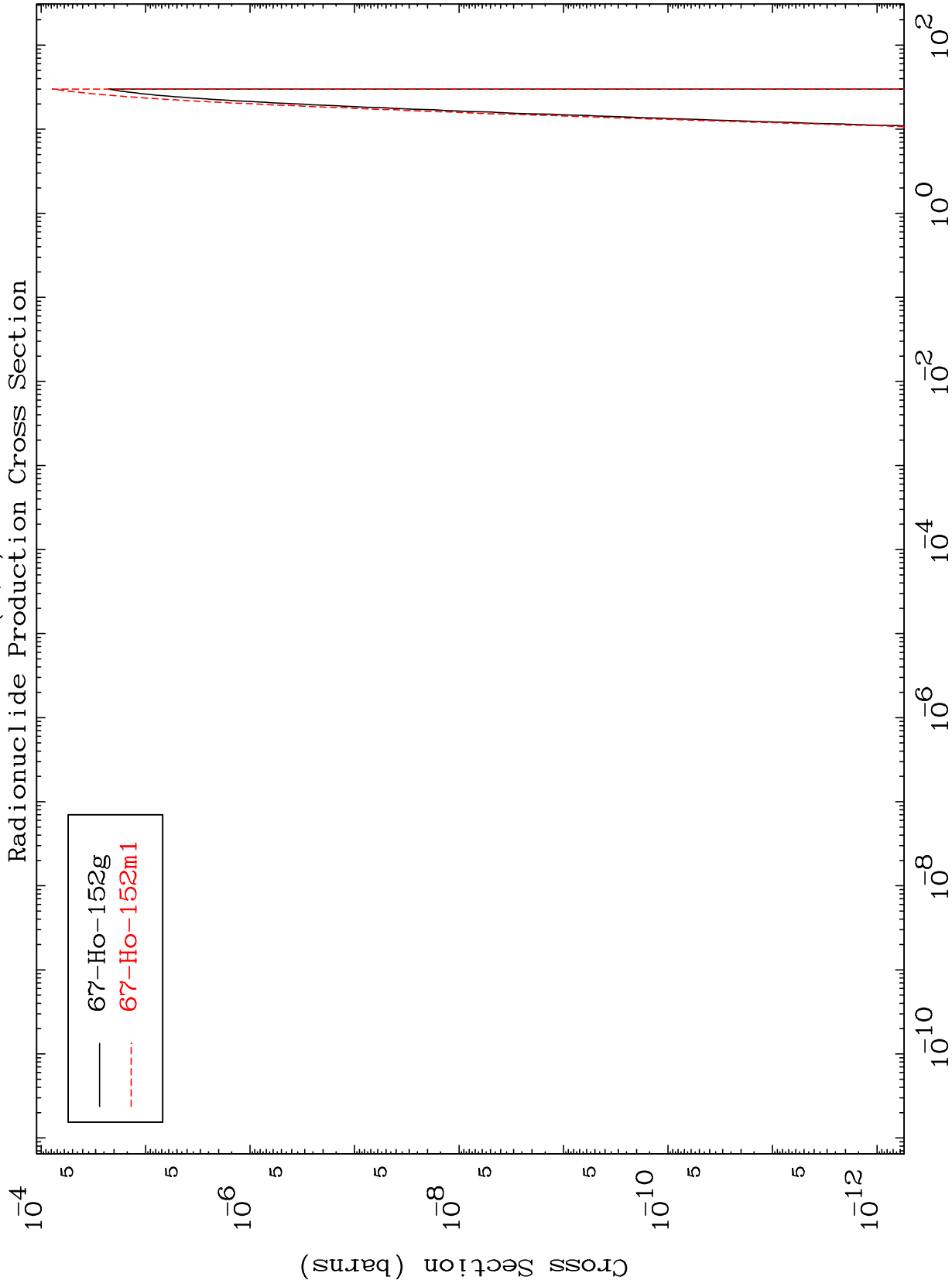
$^{70}\text{Yb-157}$

MAT 6992

(n,d) α

70-Yb-157

Radionuclide Production Cross Section



67-Ho-152g
67-Ho-152m1

108

Incident Energy (MeV)

70-Yb-157