

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

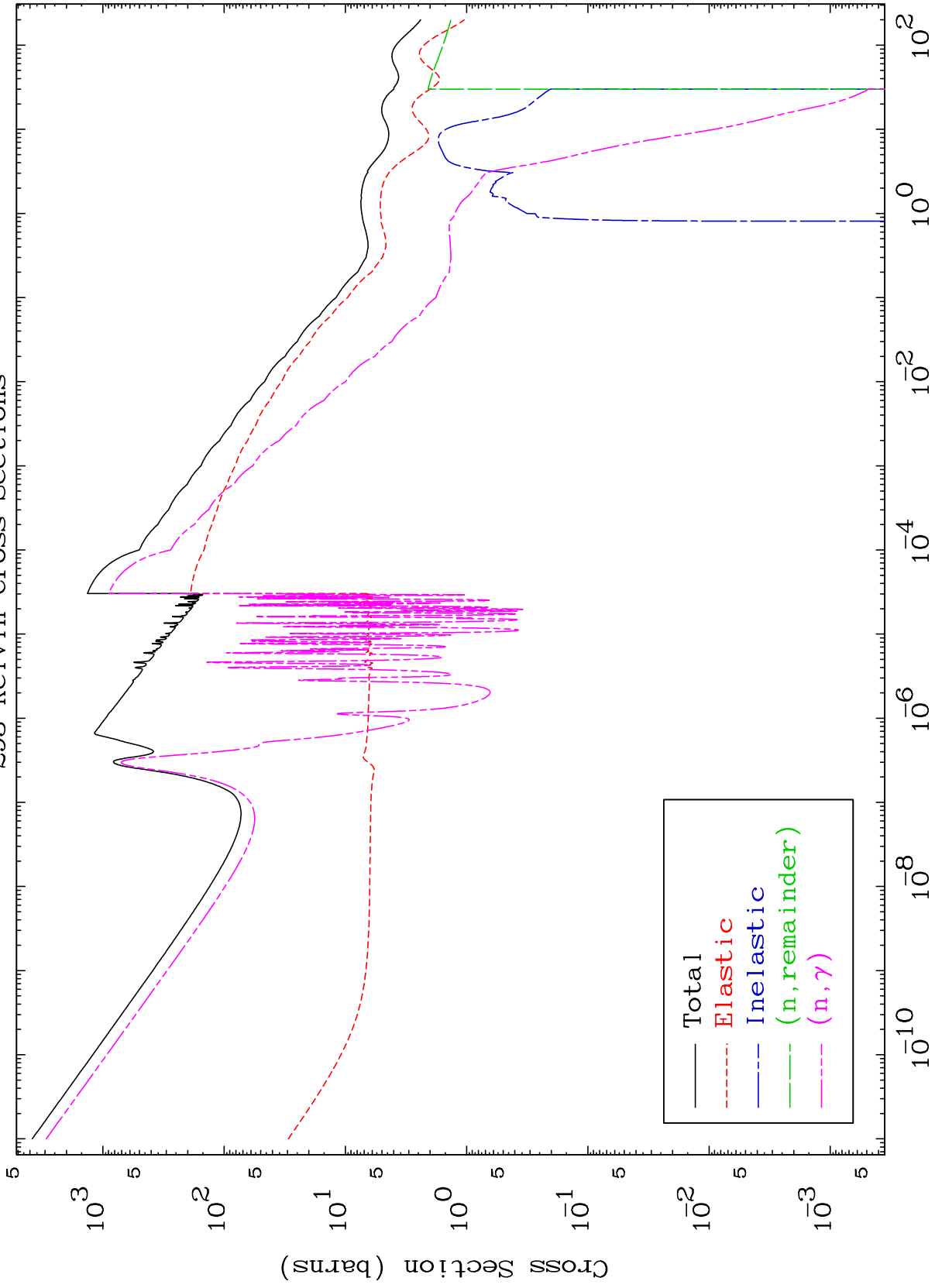
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6792

Major
293 Kelvin Cross Sections

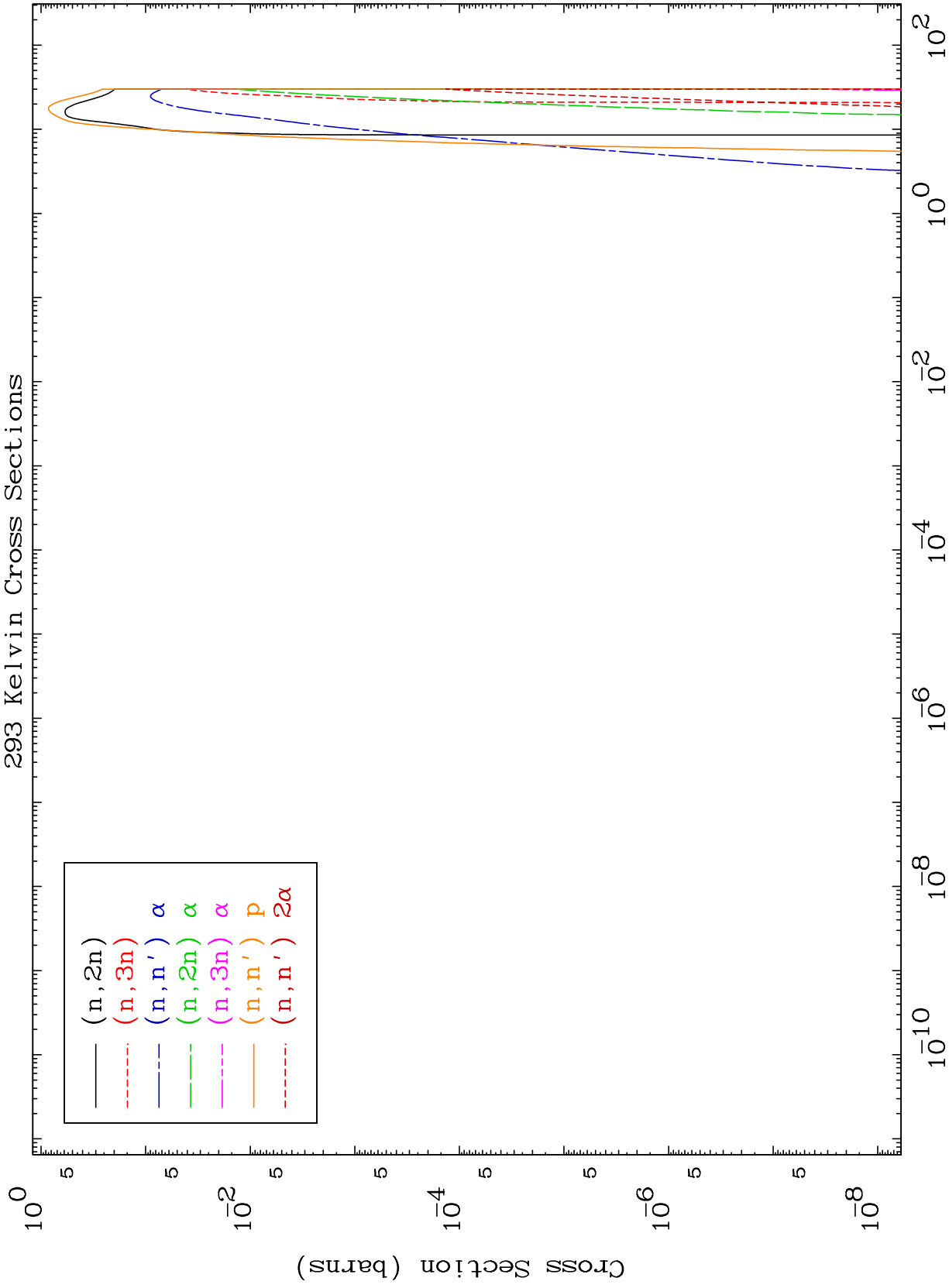
68-Er-151



MAT 6792

Neutron Production
293 Kelvin Cross Sections

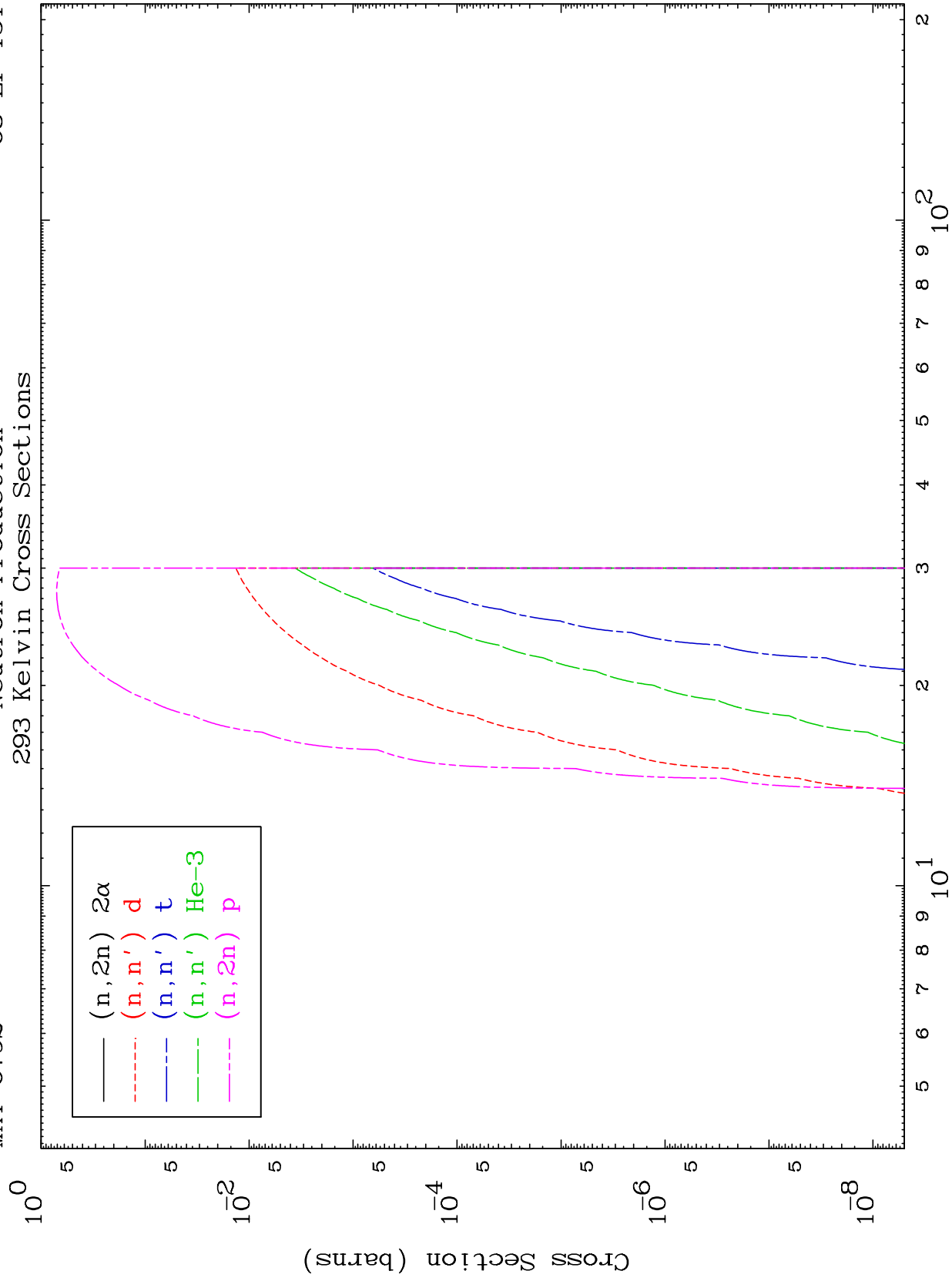
68-Er-151



2

Incident Energy (MeV)

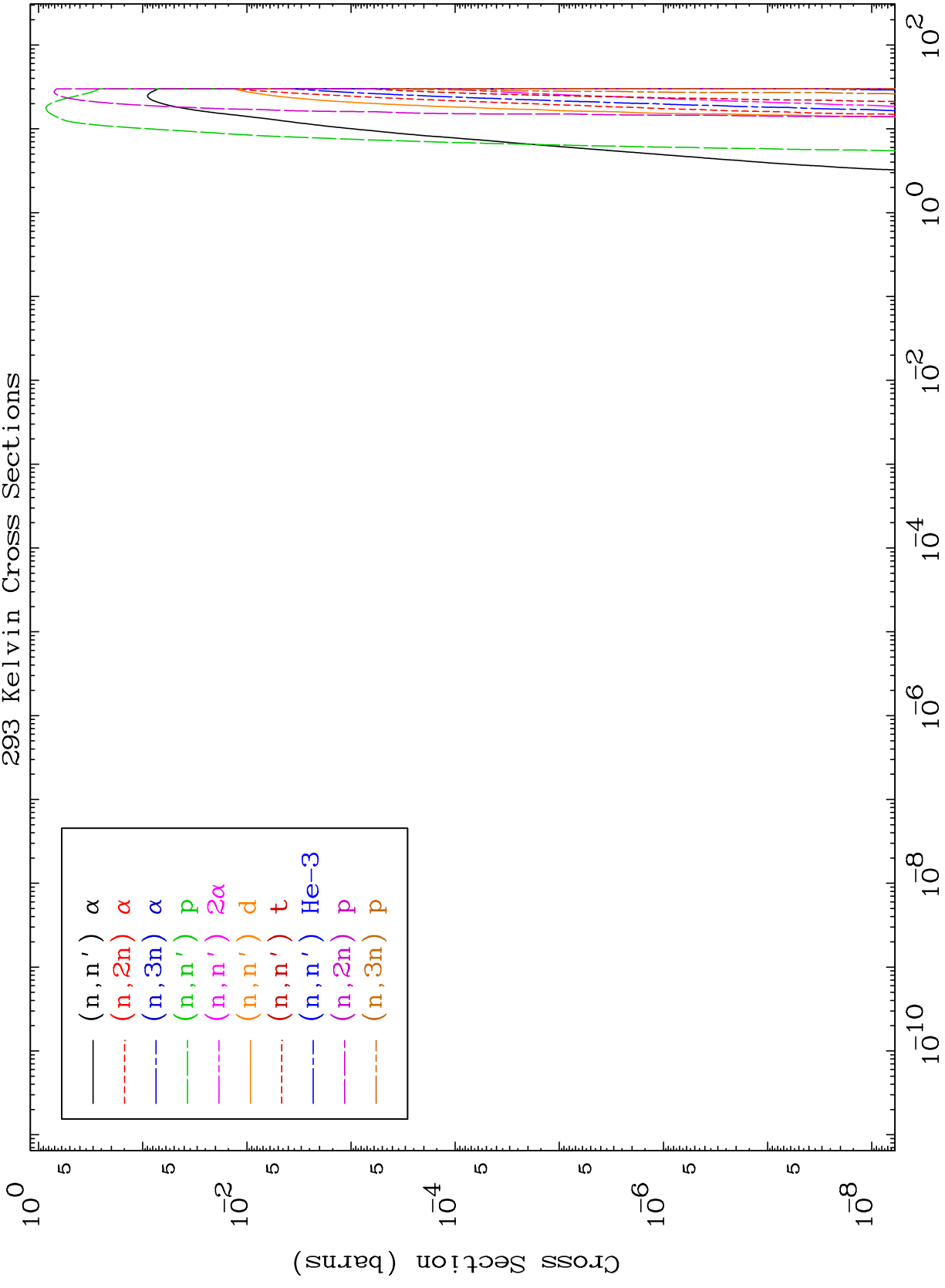
68-Er-151

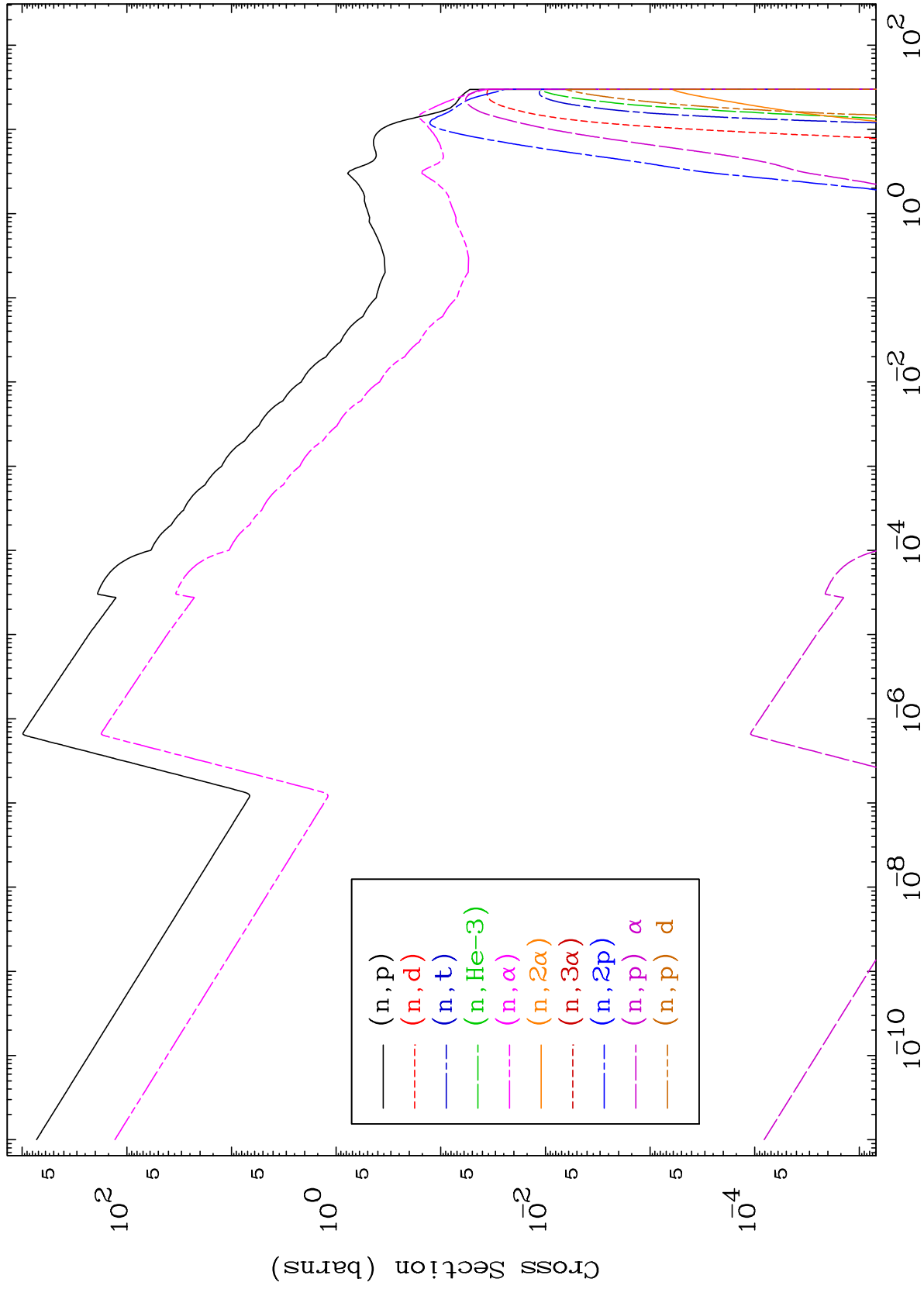


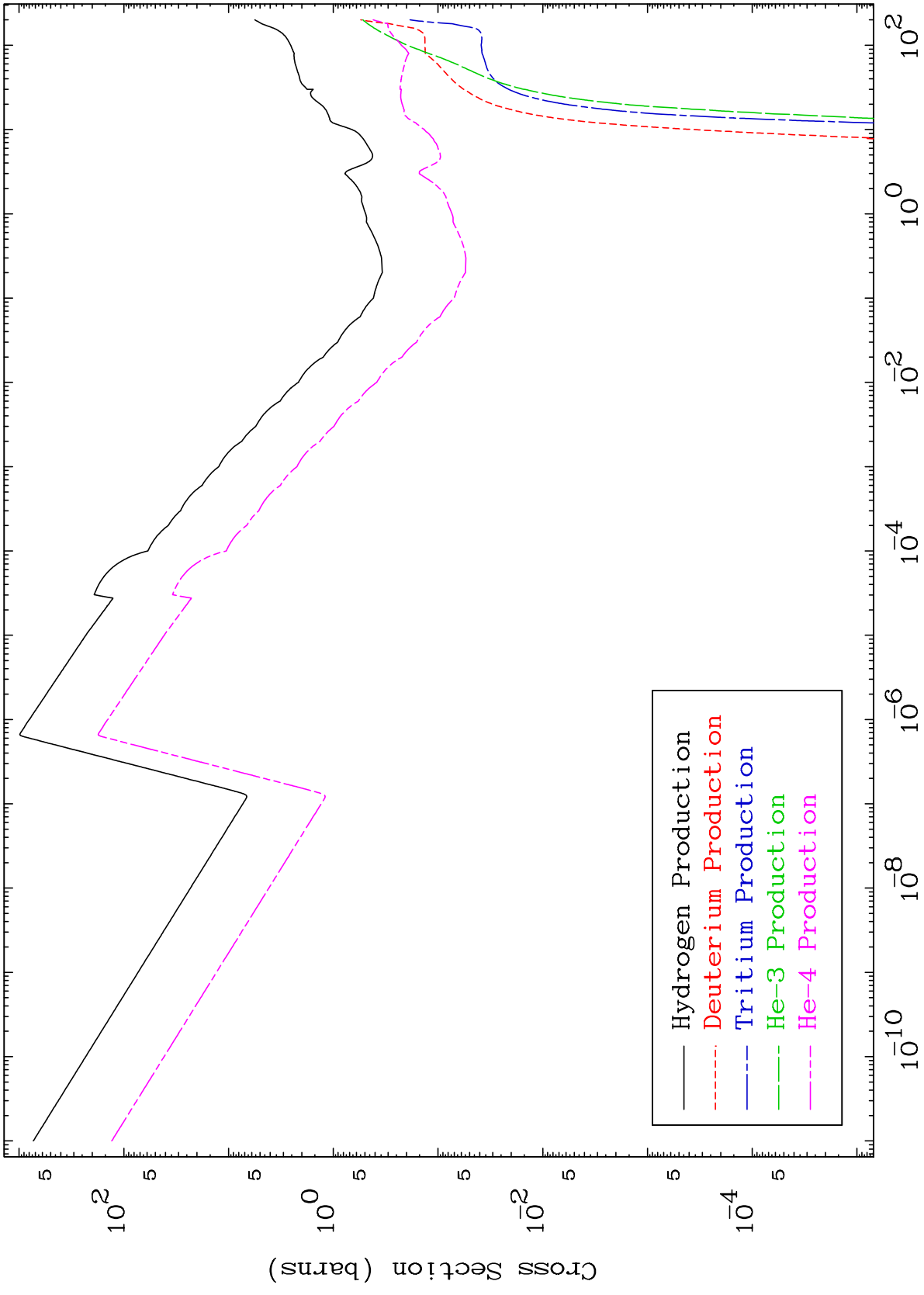
MAT 6792

Charged Particle
293 Kelvin Cross Sections

68-Er-151





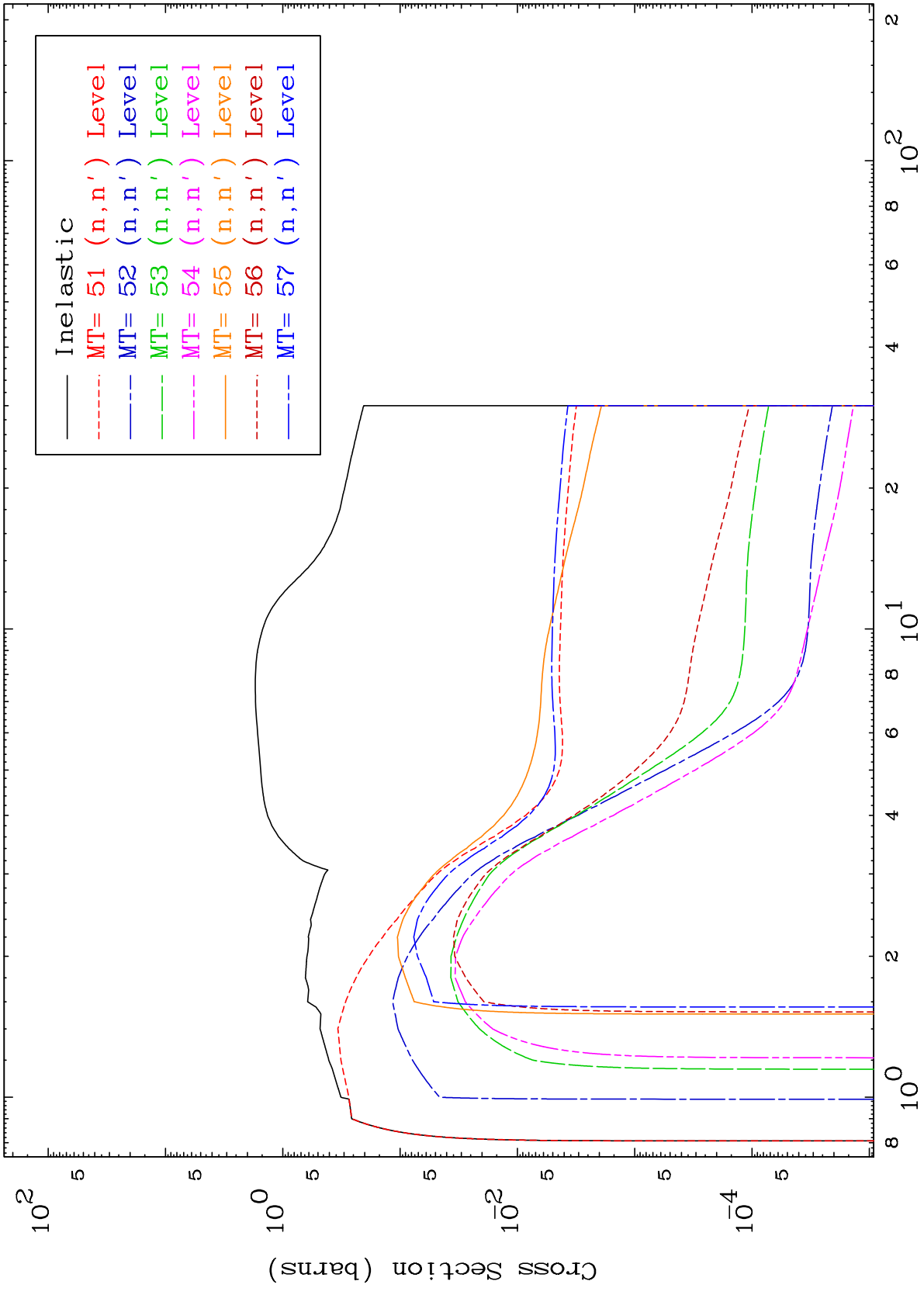


MAT 6792

(n,n') Level

68-Er-151

293 Kelvin Cross Sections



7

Incident Energy (MeV)

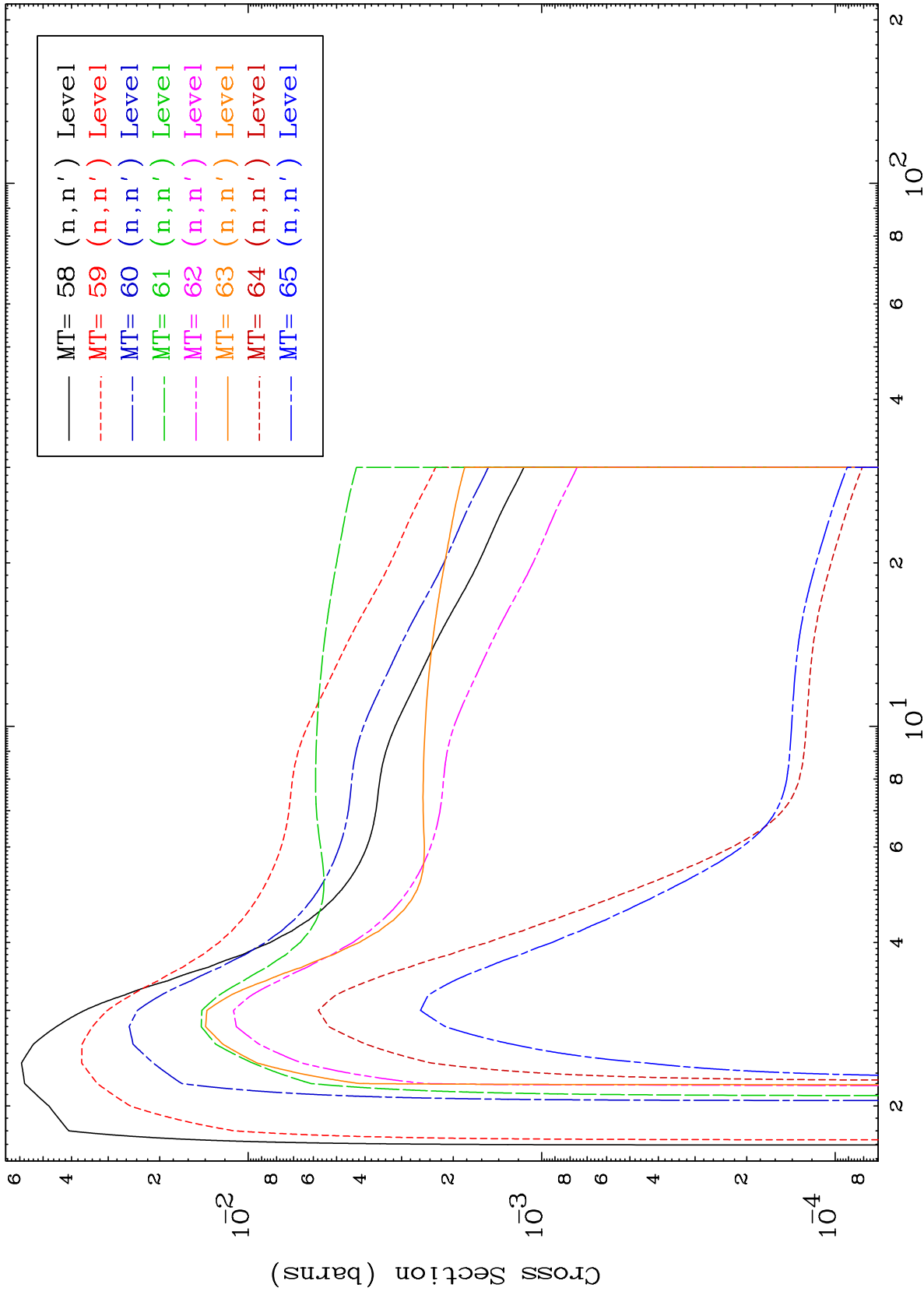
68-Er-151

MAT 6792

(n,n') Level

68-Er-151

293 Kelvin Cross Sections



8

Incident Energy (MeV)

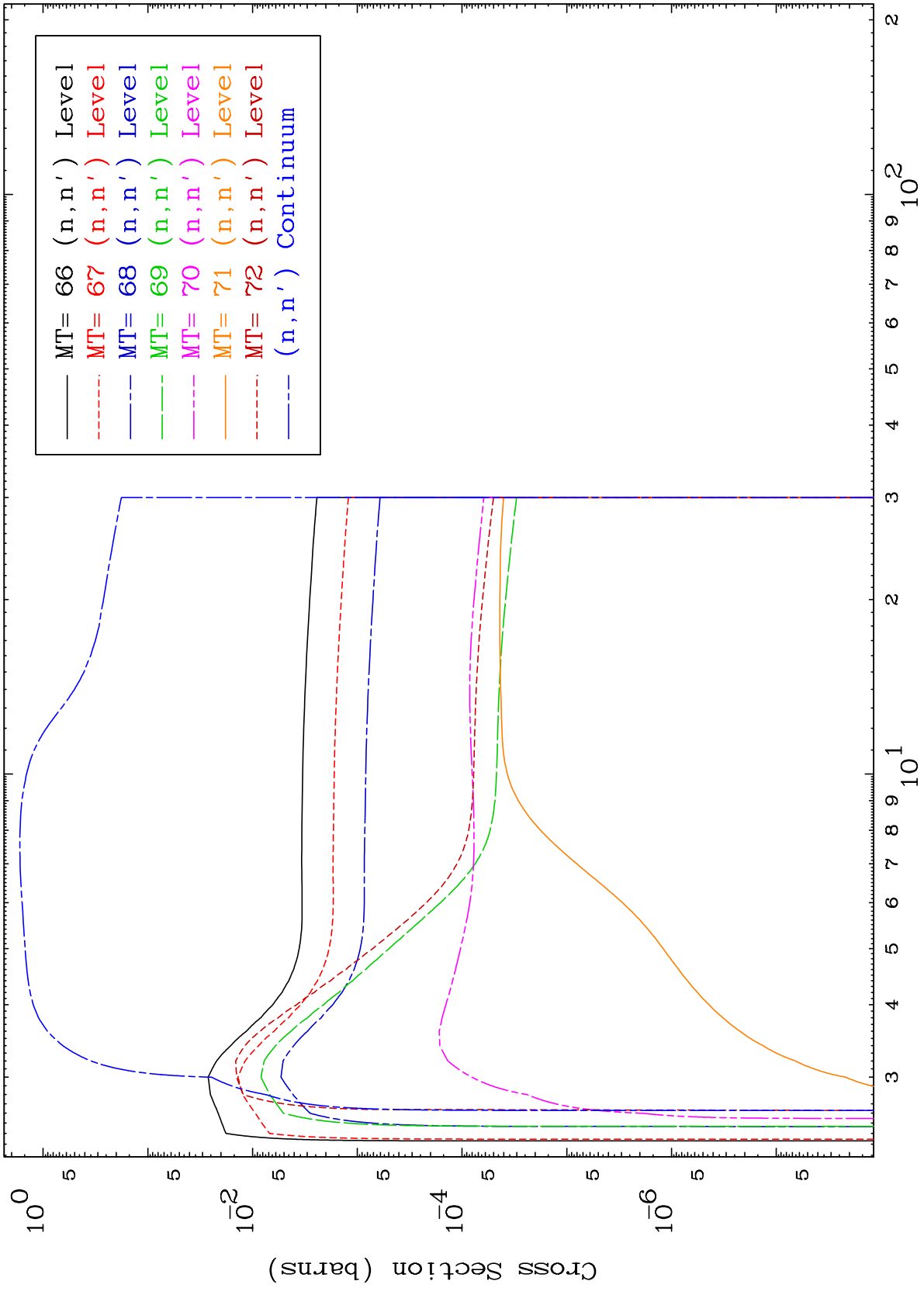
68-Er-151

MAT 6792

(n,n') Level

68-Er-151

293 Kelvin Cross Sections



9

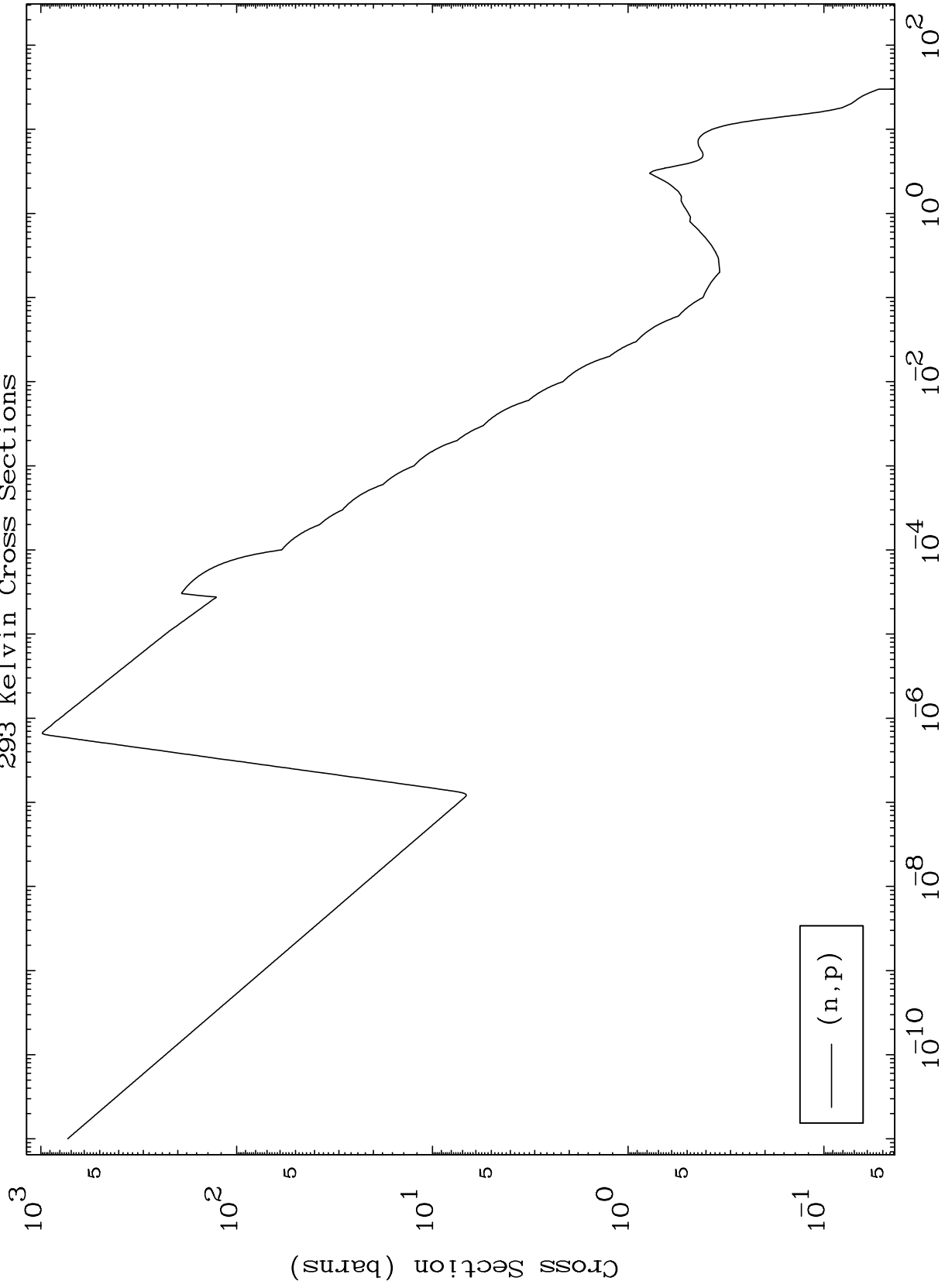
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,p) Levels
293 Kelvin Cross Sections

68-Er-151



10

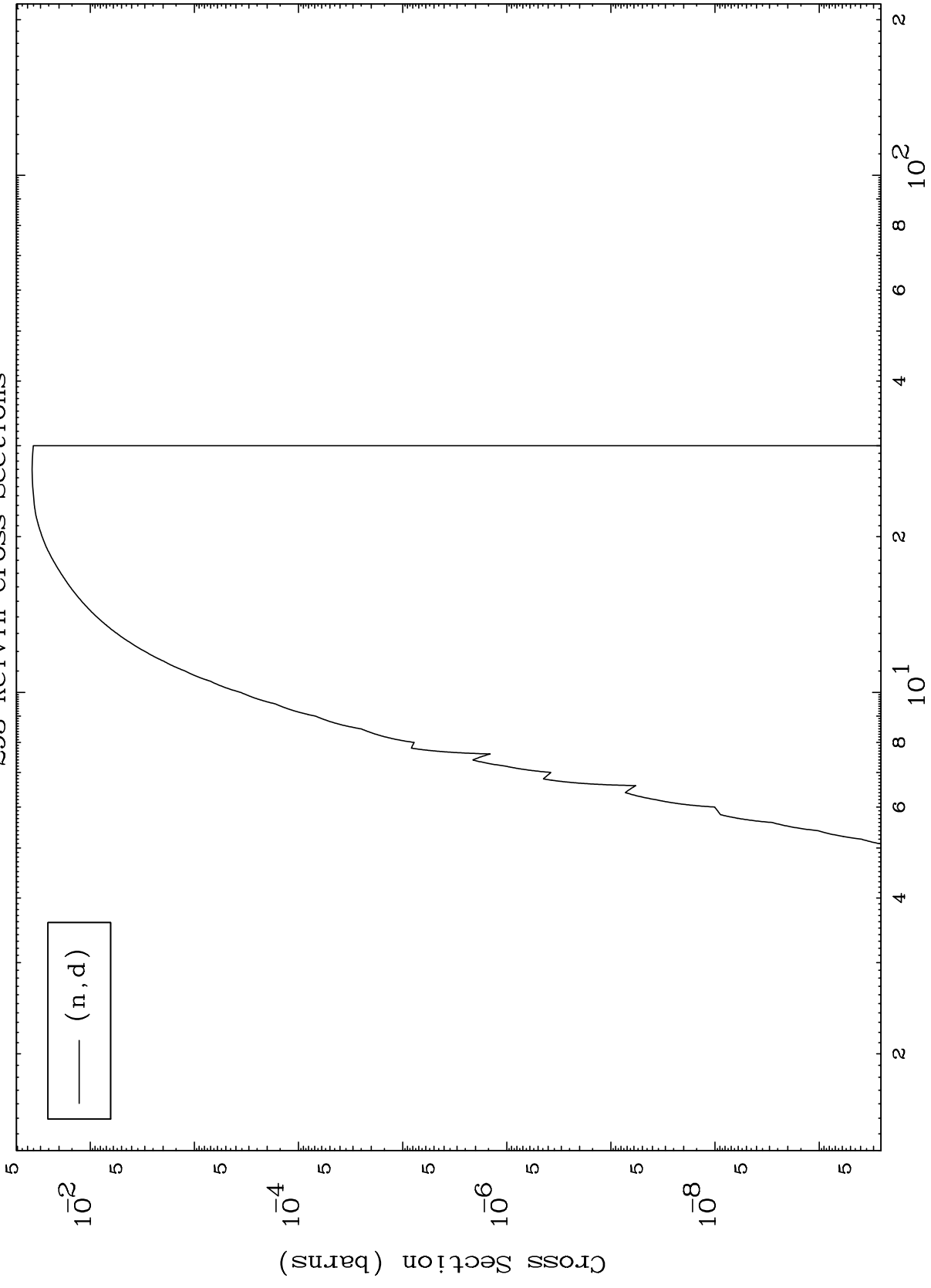
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,d) Levels
293 Kelvin Cross Sections

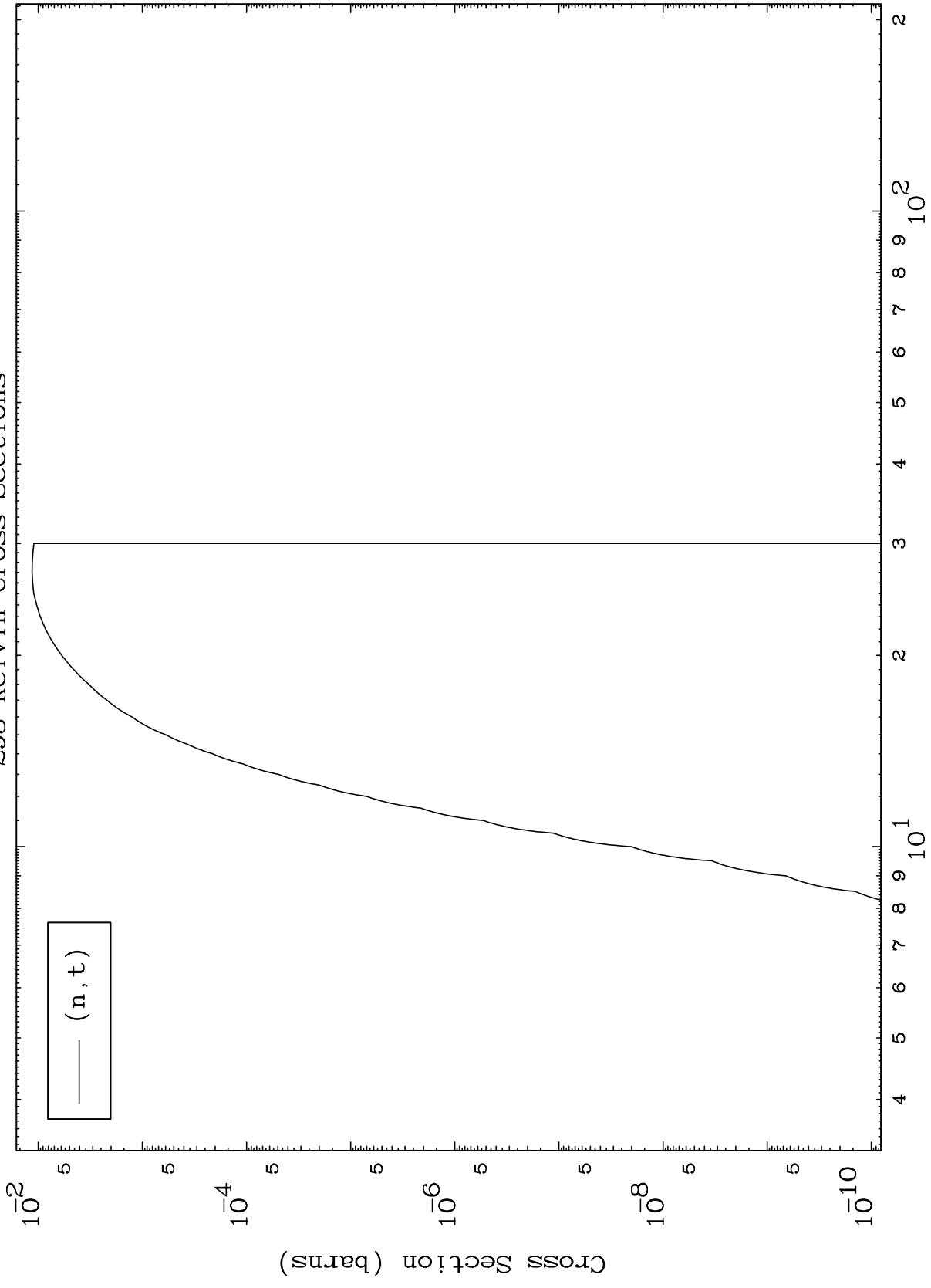
68-Er-151



MAT 6792

(n,t) Levels
293 Kelvin Cross Sections

68-Er-151



12

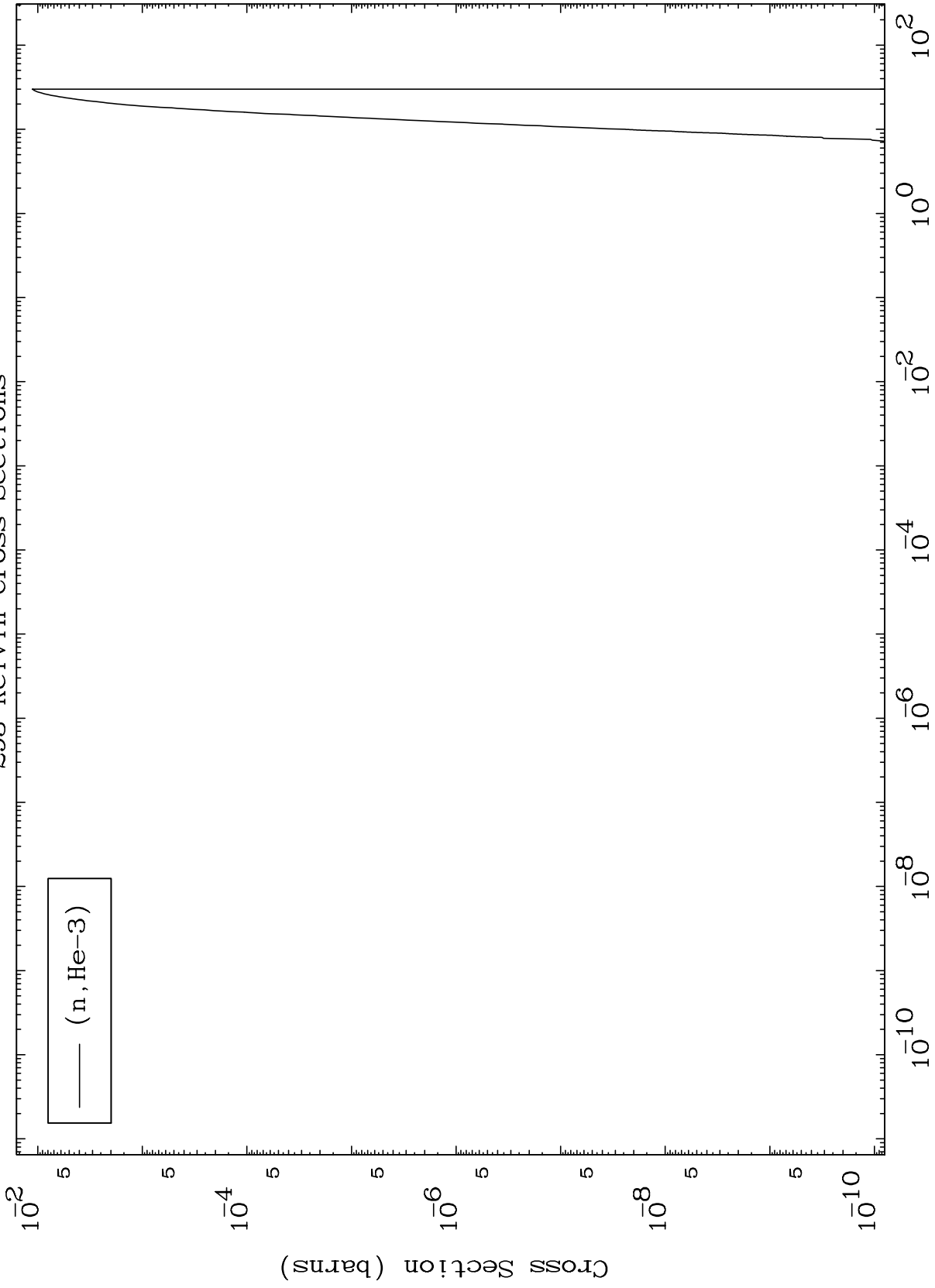
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-151

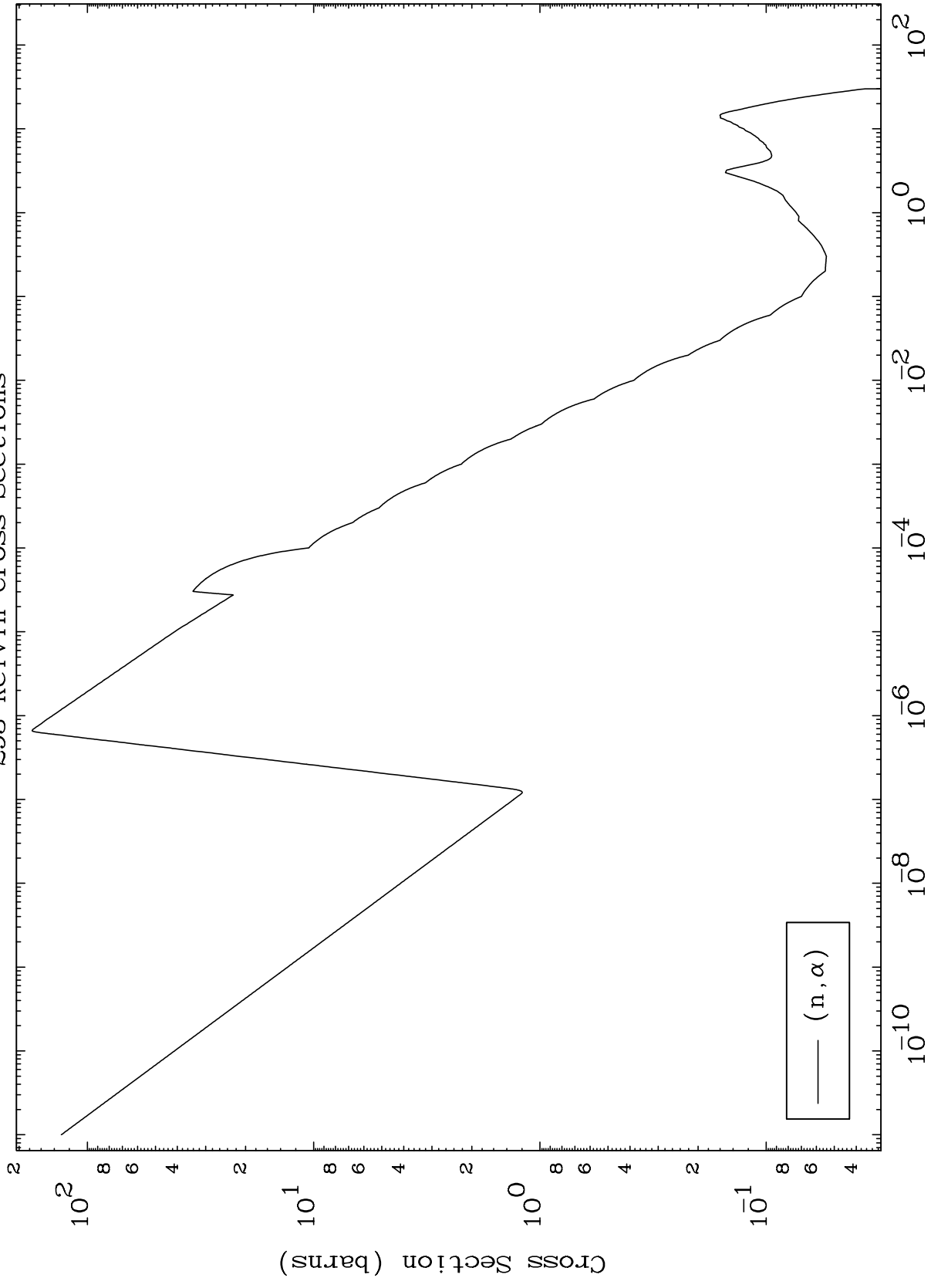


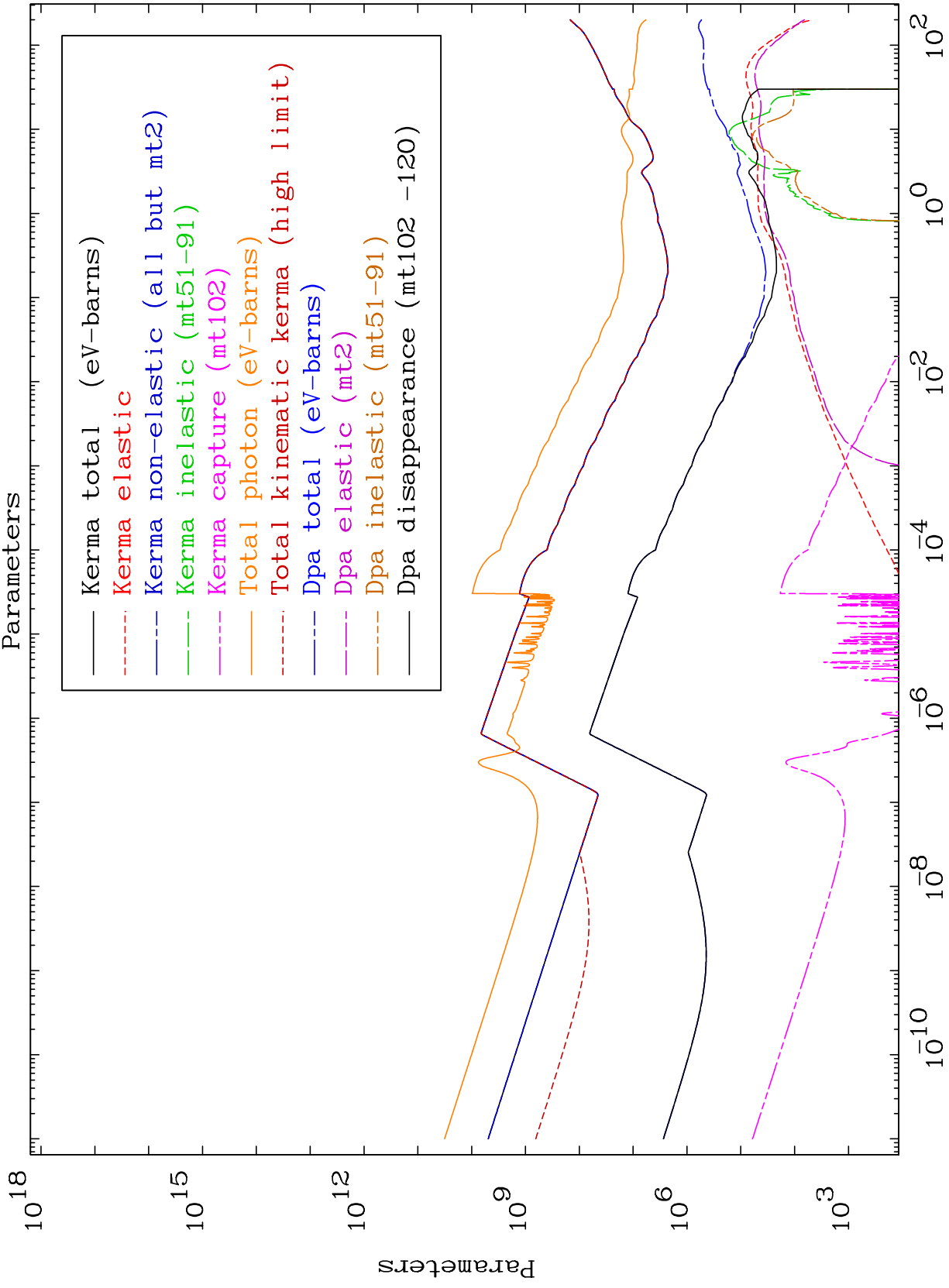
(n, He-3)

MAT 6792

(n,α) Levels
293 Kelvin Cross Sections

68-Er-151

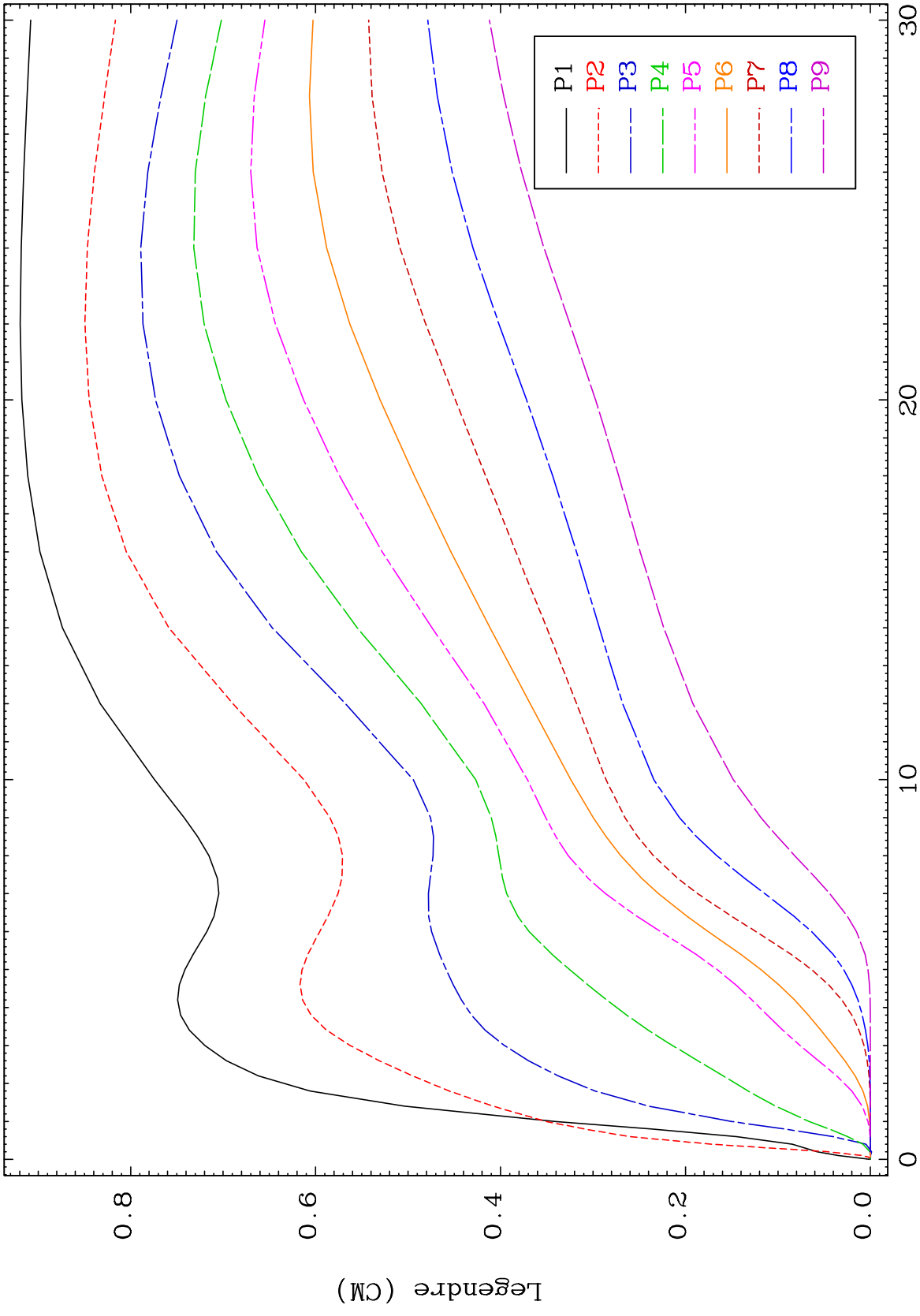




MAT 6792

Elastic Legendre Coefficients

68-Er-151



16

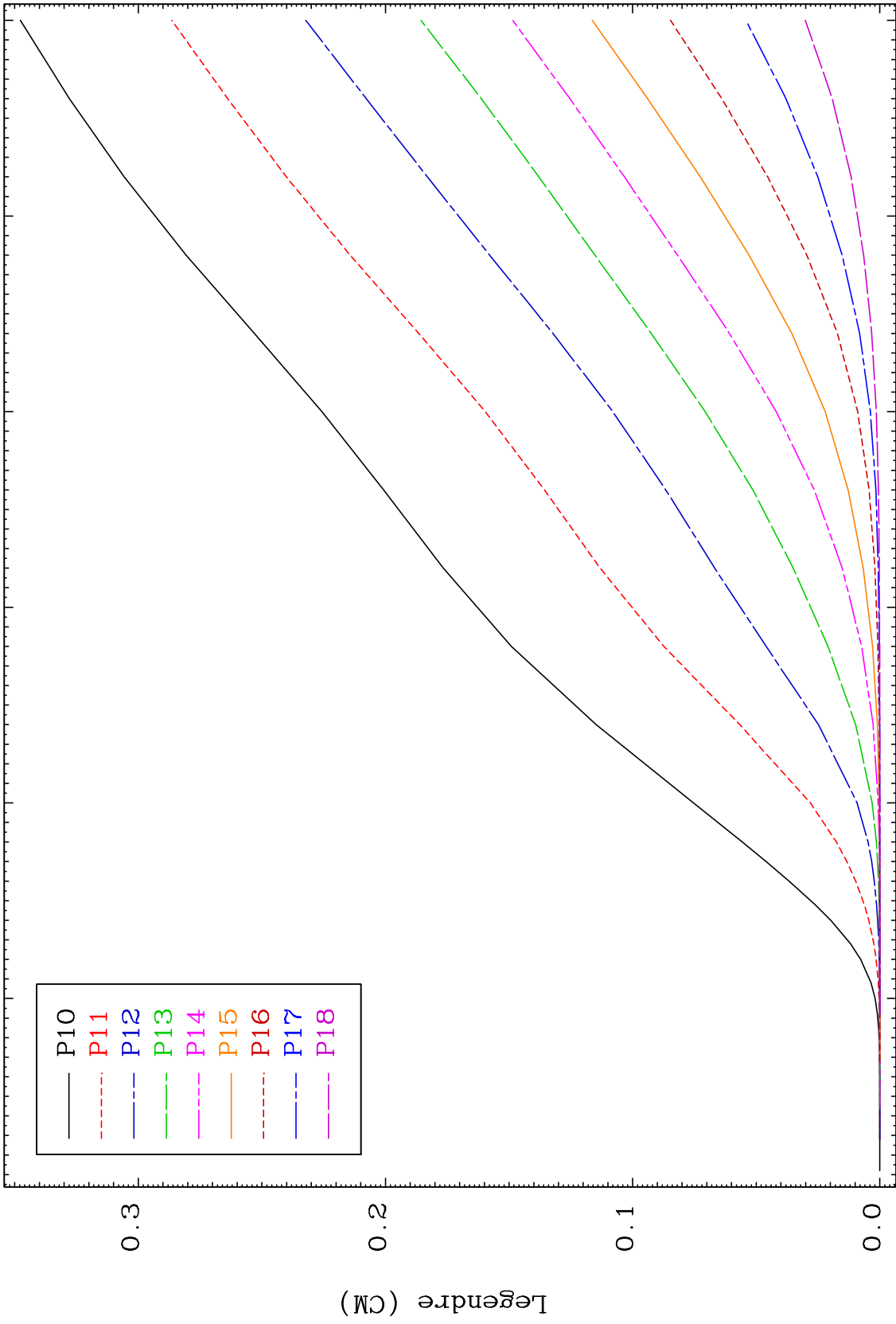
Incident Energy (MeV)

68-Er-151

MAT 6792

Elastic Legendre Coefficients

68-Er-151



17

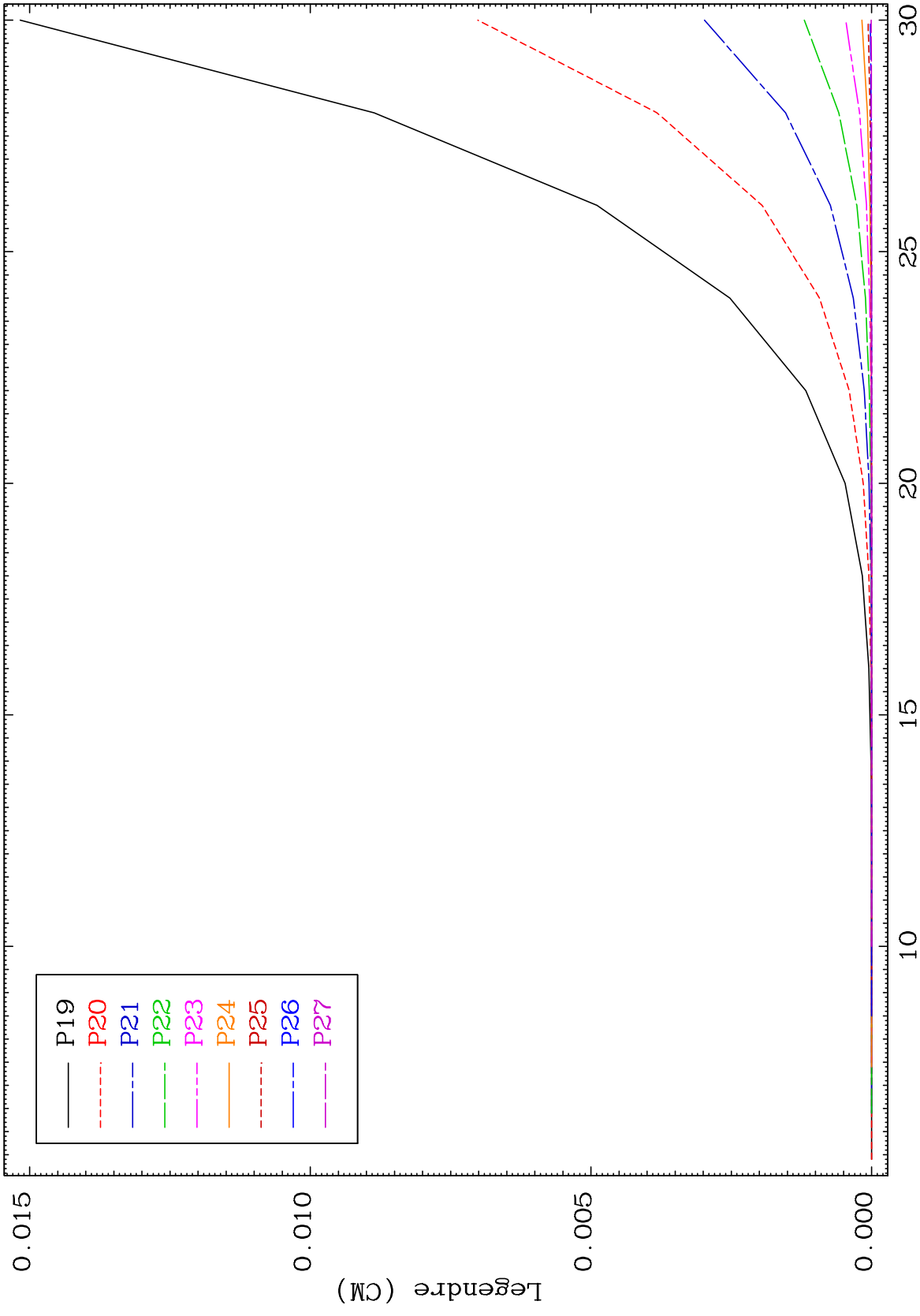
Incident Energy (MeV)

68-Er-151

MAT 6792

Elastic Legendre Coefficients

68-Er-151



18

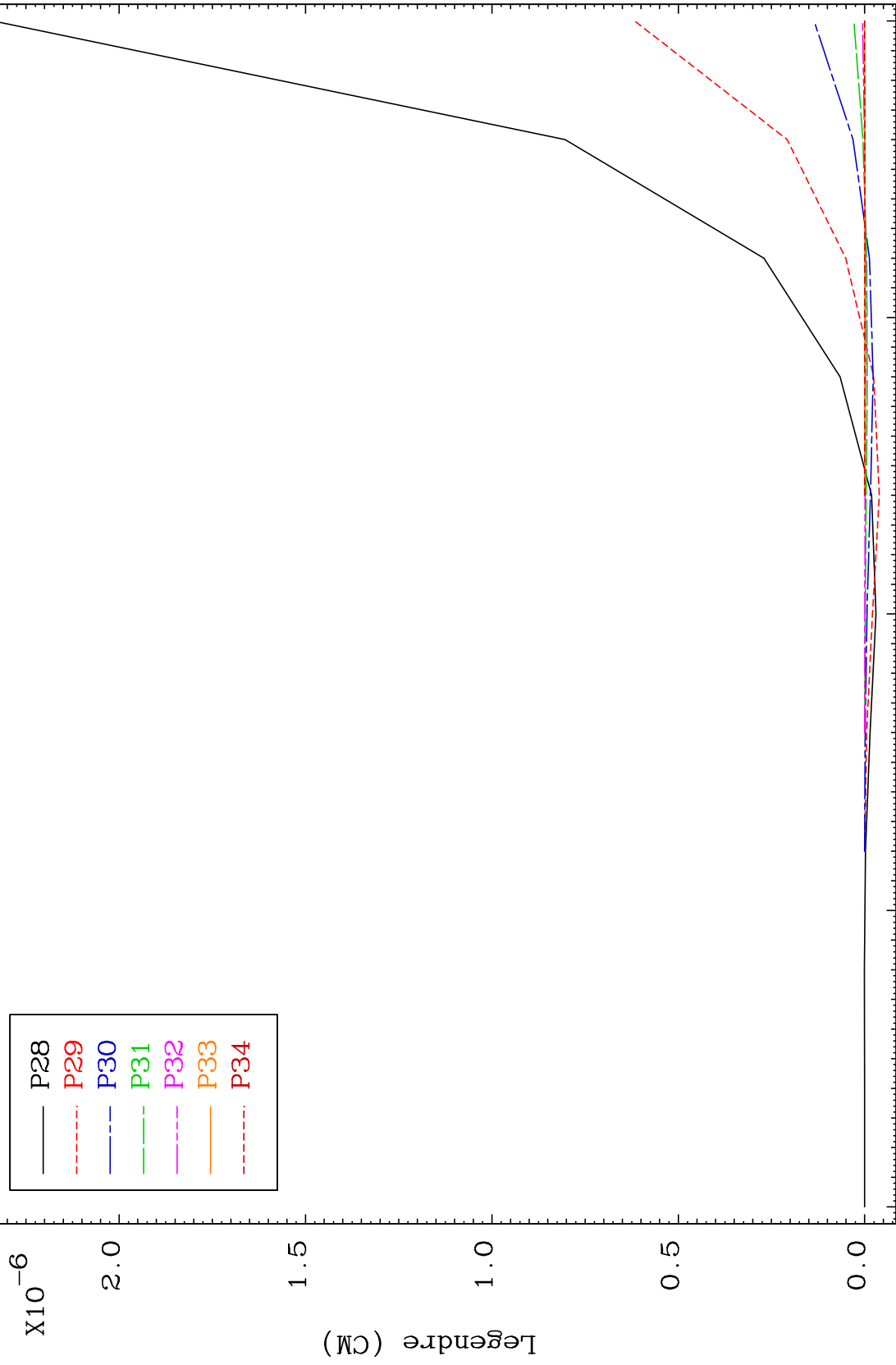
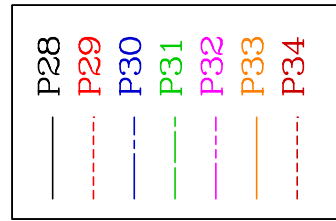
Incident Energy (MeV)

68-Er-151

MAT 6792

Elastic Legendre Coefficients

68-Er-151



19

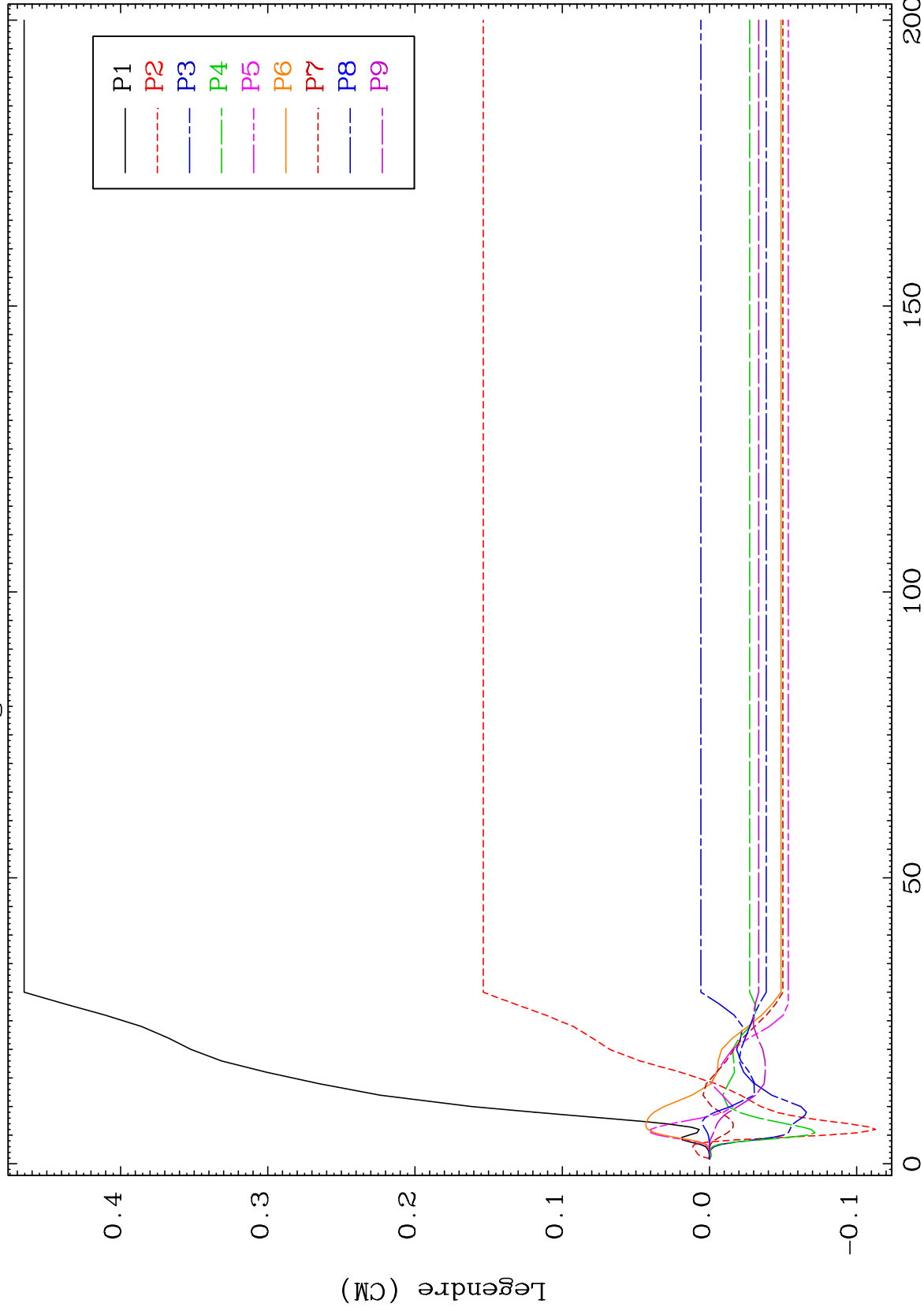
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



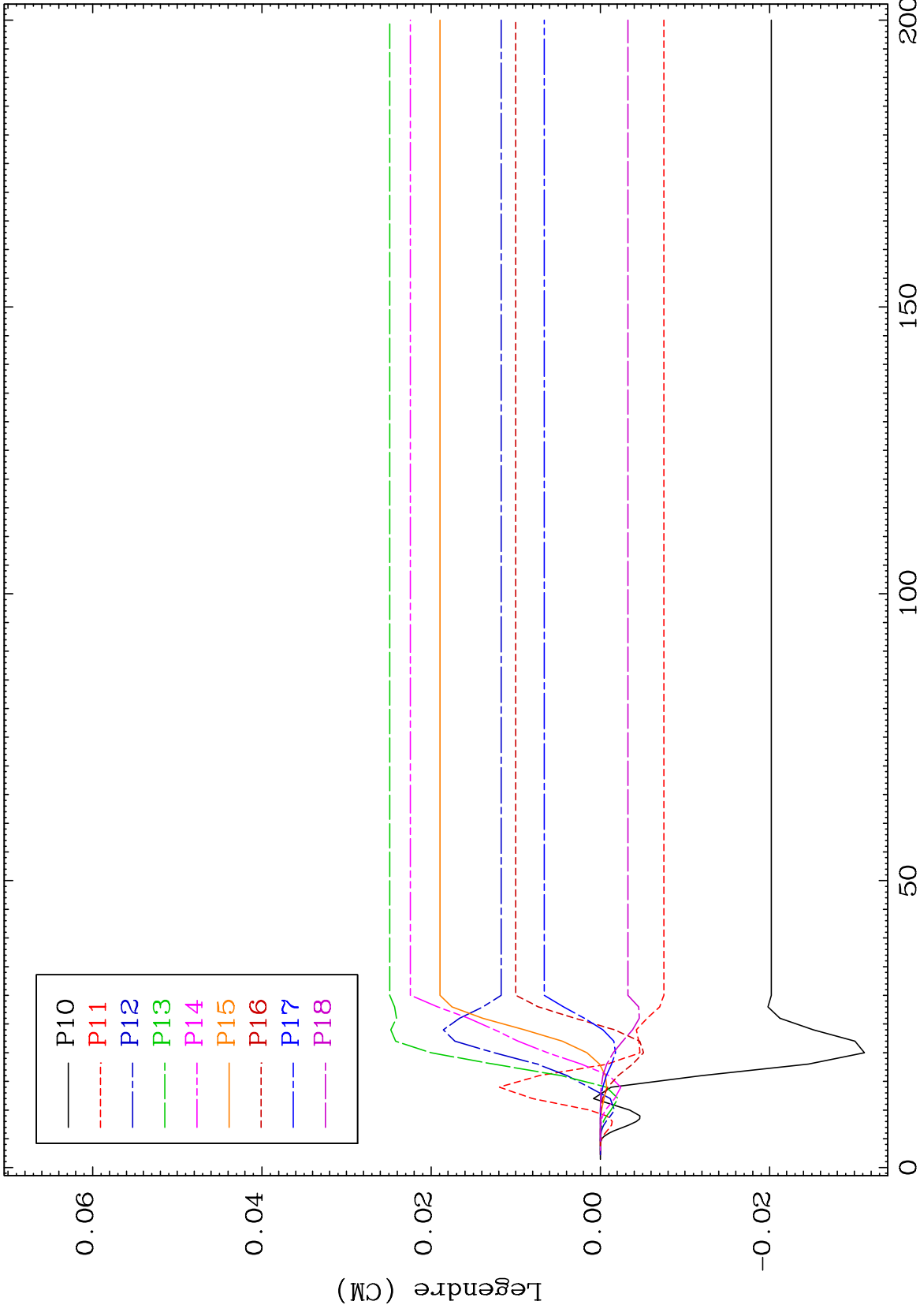
68-Er-151

Incident Energy (MeV)

MAT 6792

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

68-Er-151



21

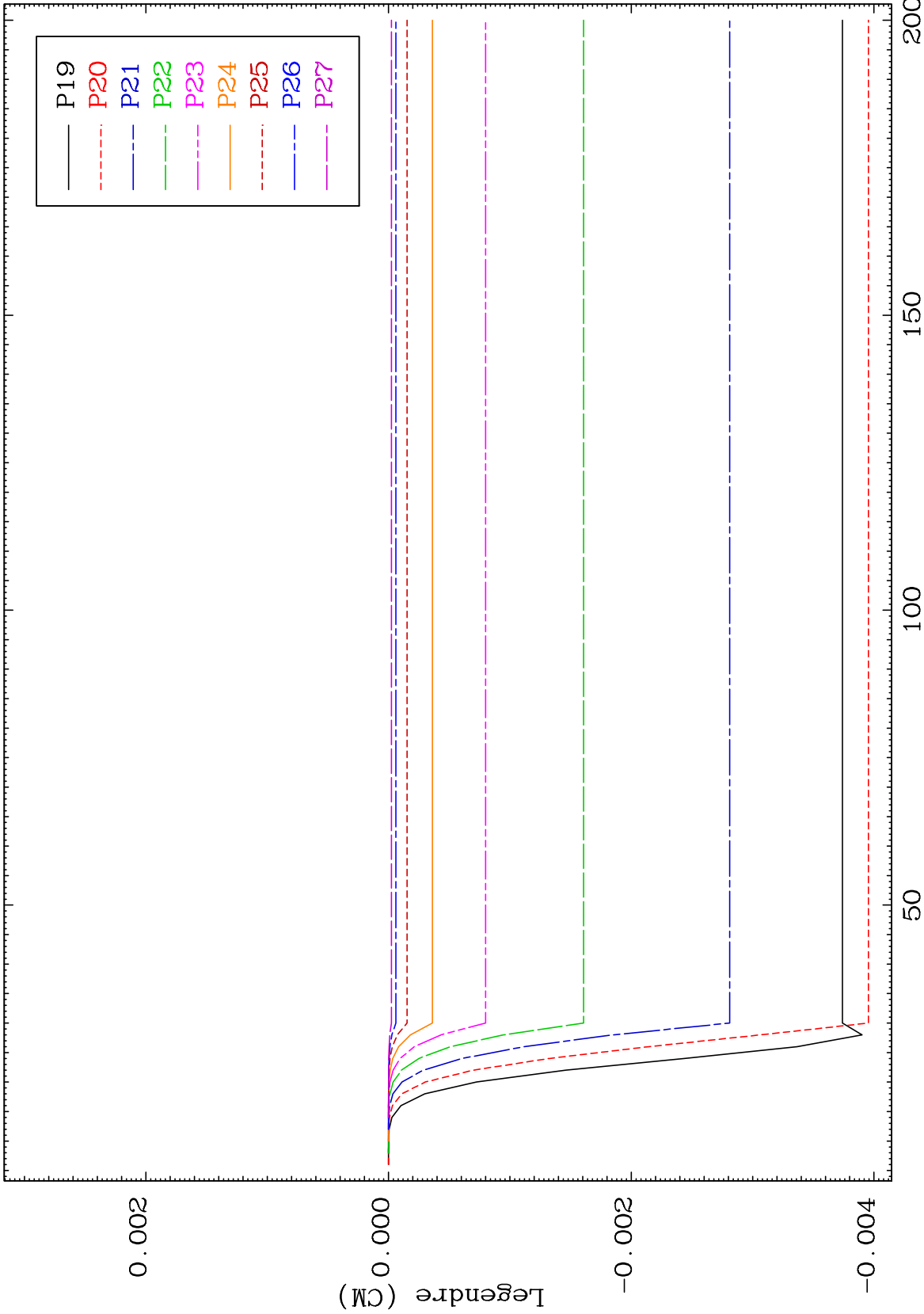
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



22

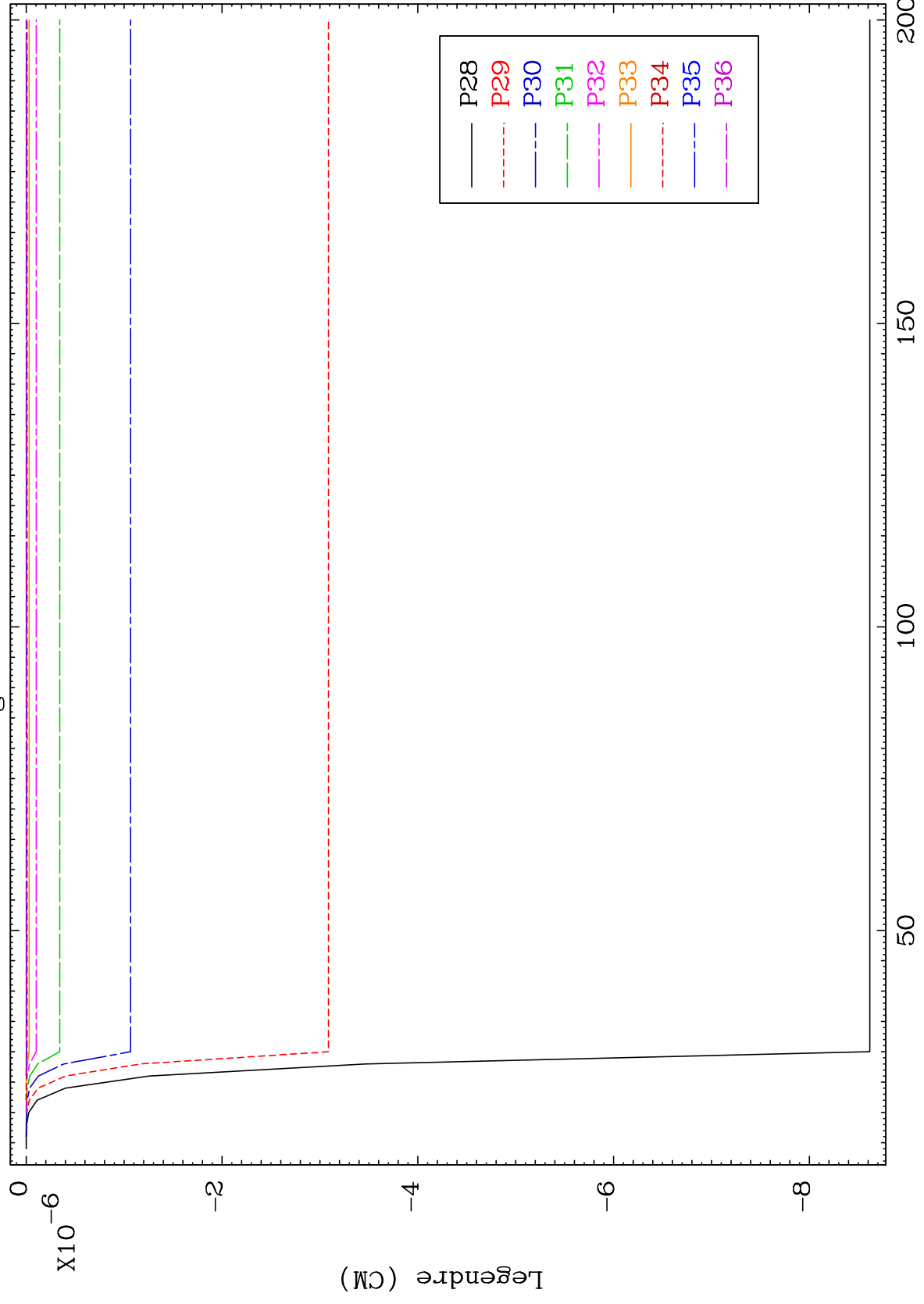
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

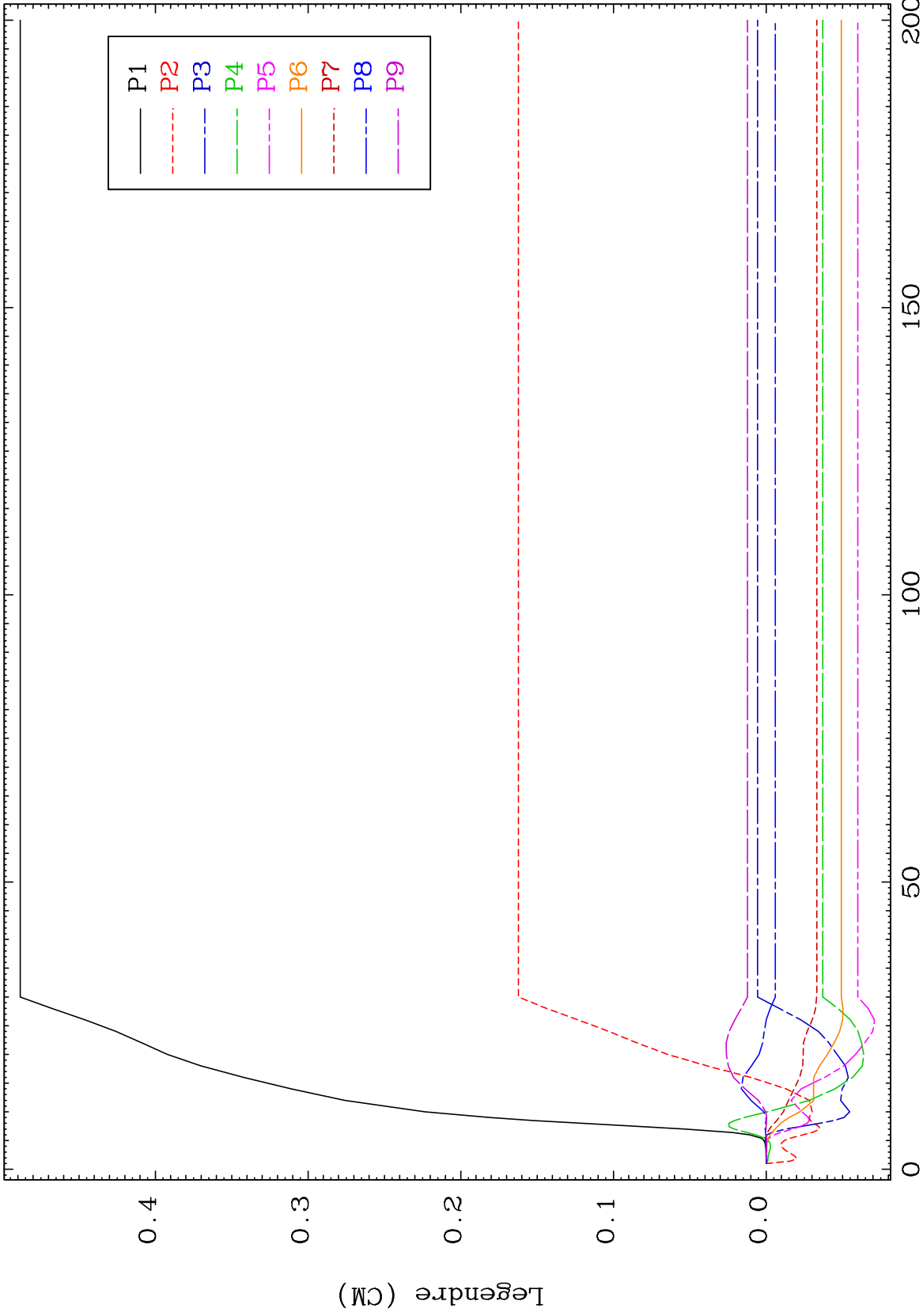
Incident Energy (MeV)

23

MAT 6792

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

68-Er-151



24

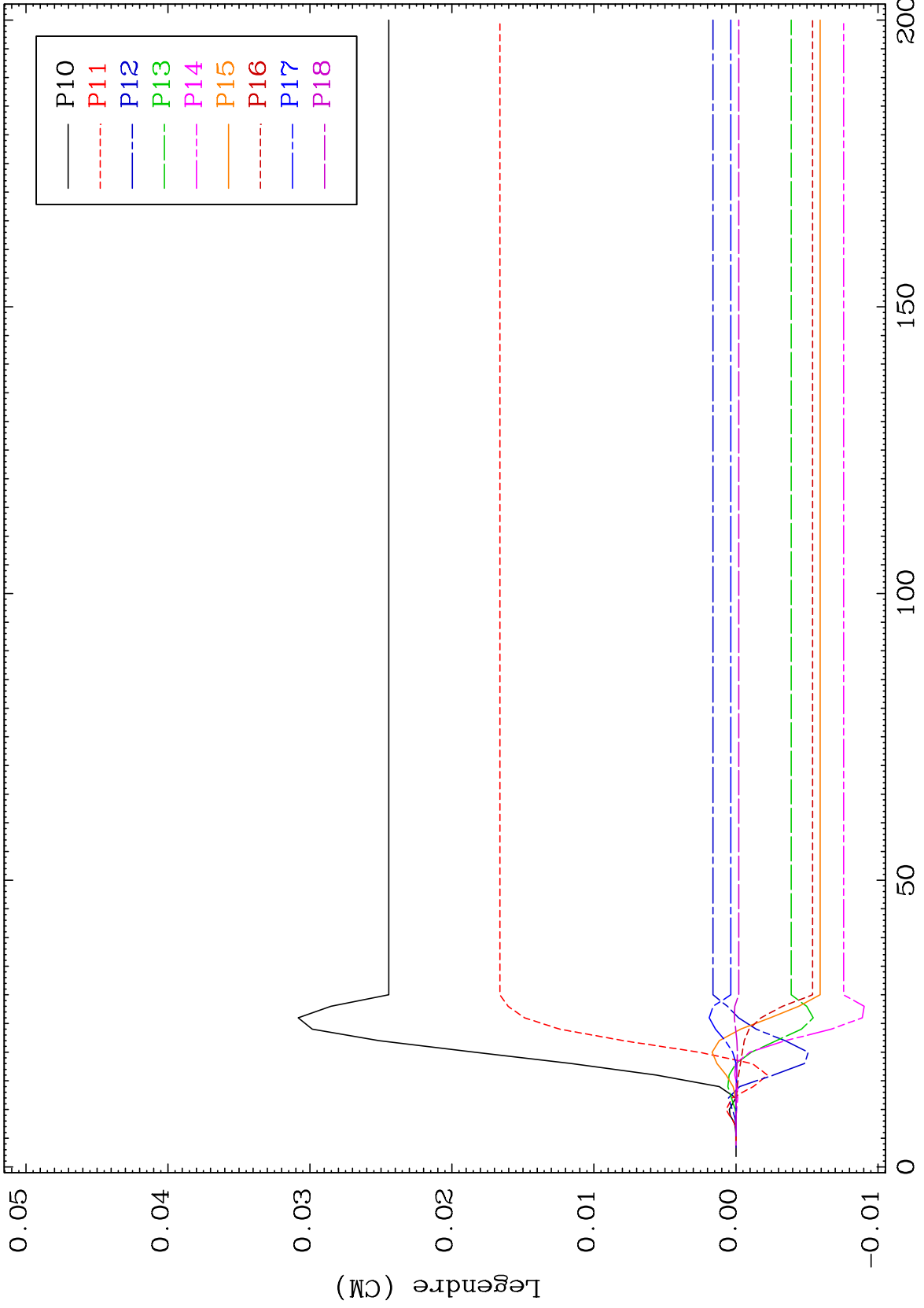
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



25

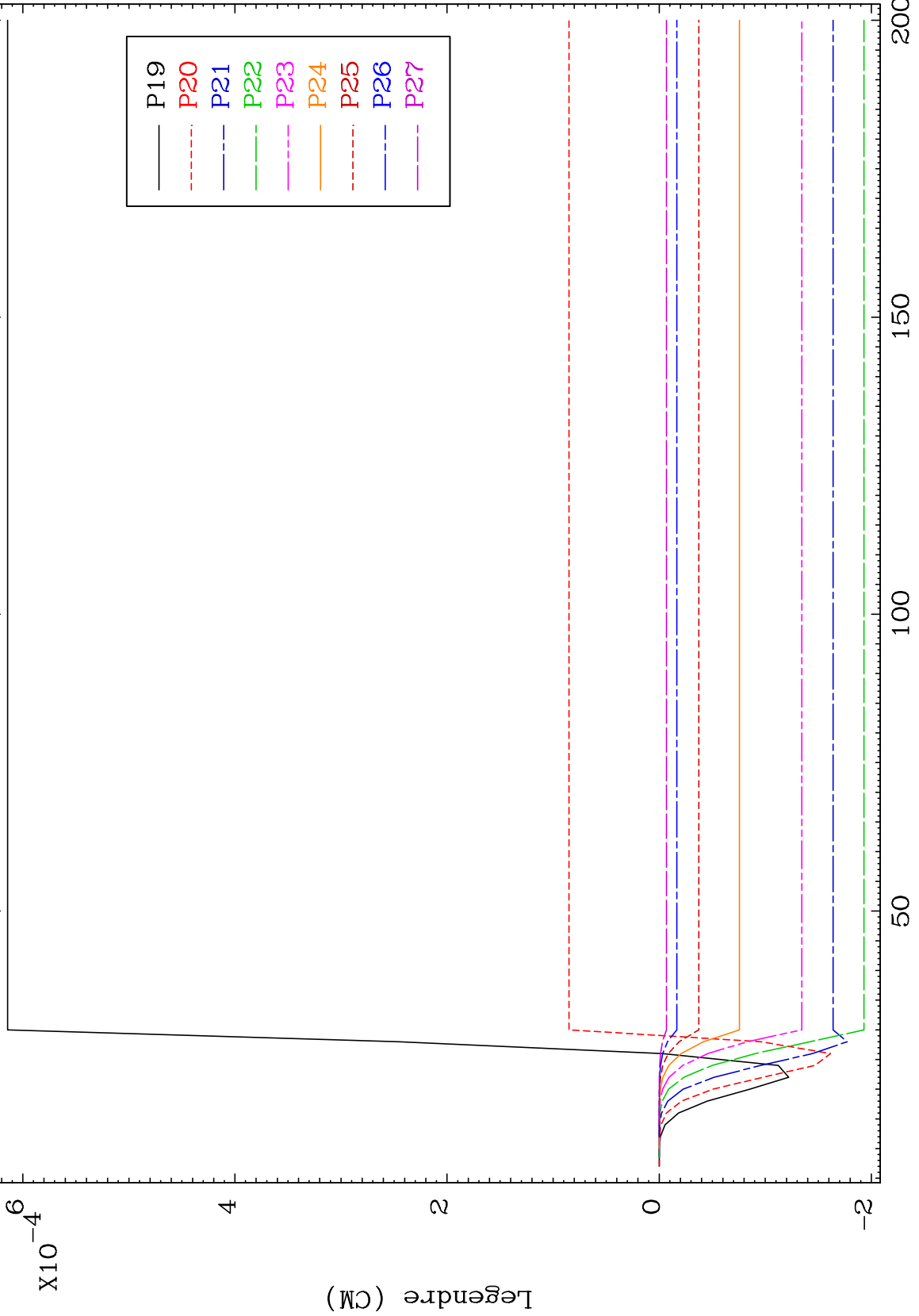
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



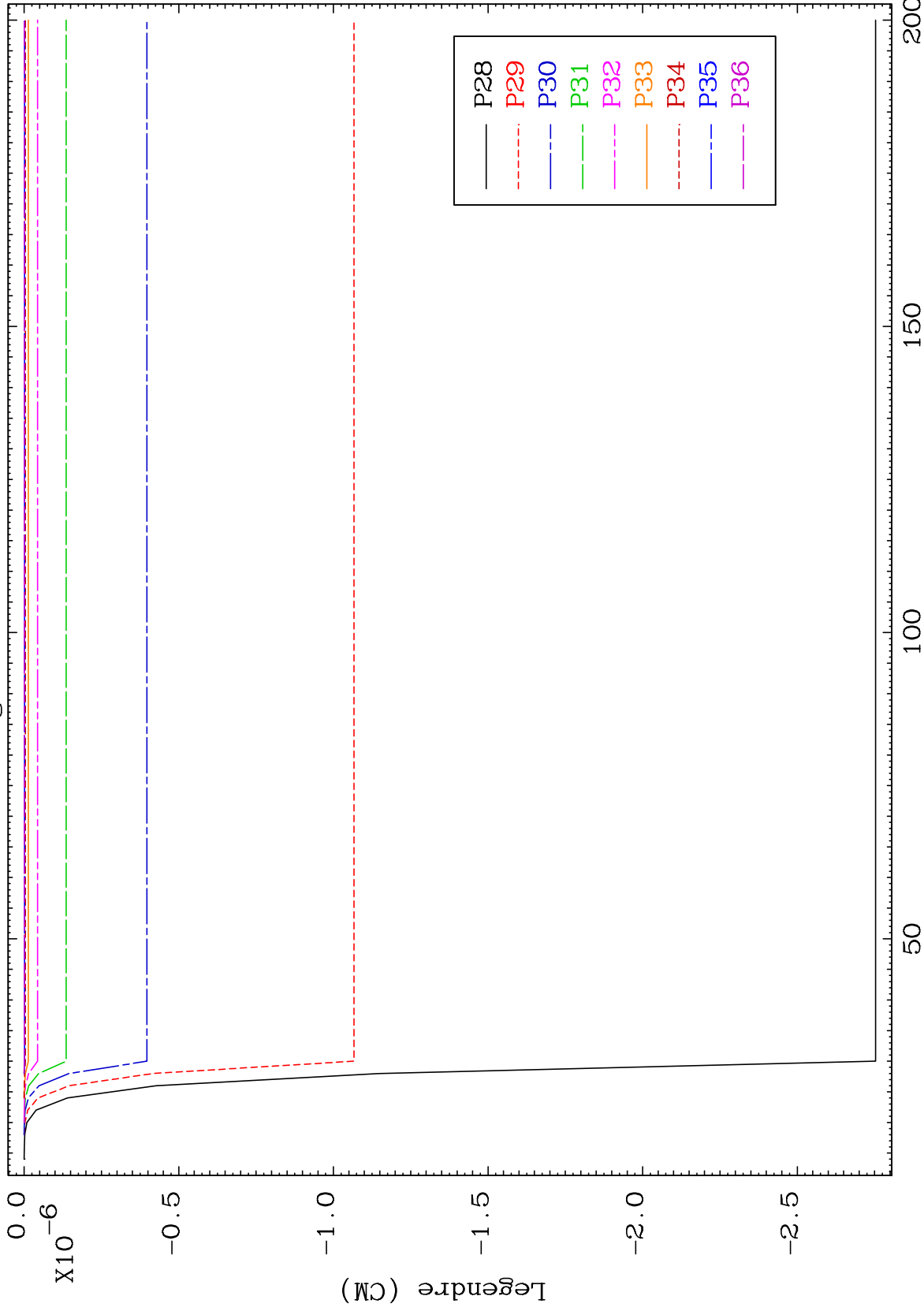
26

68-Er-151

MAT 6792

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

68-Er-151



27

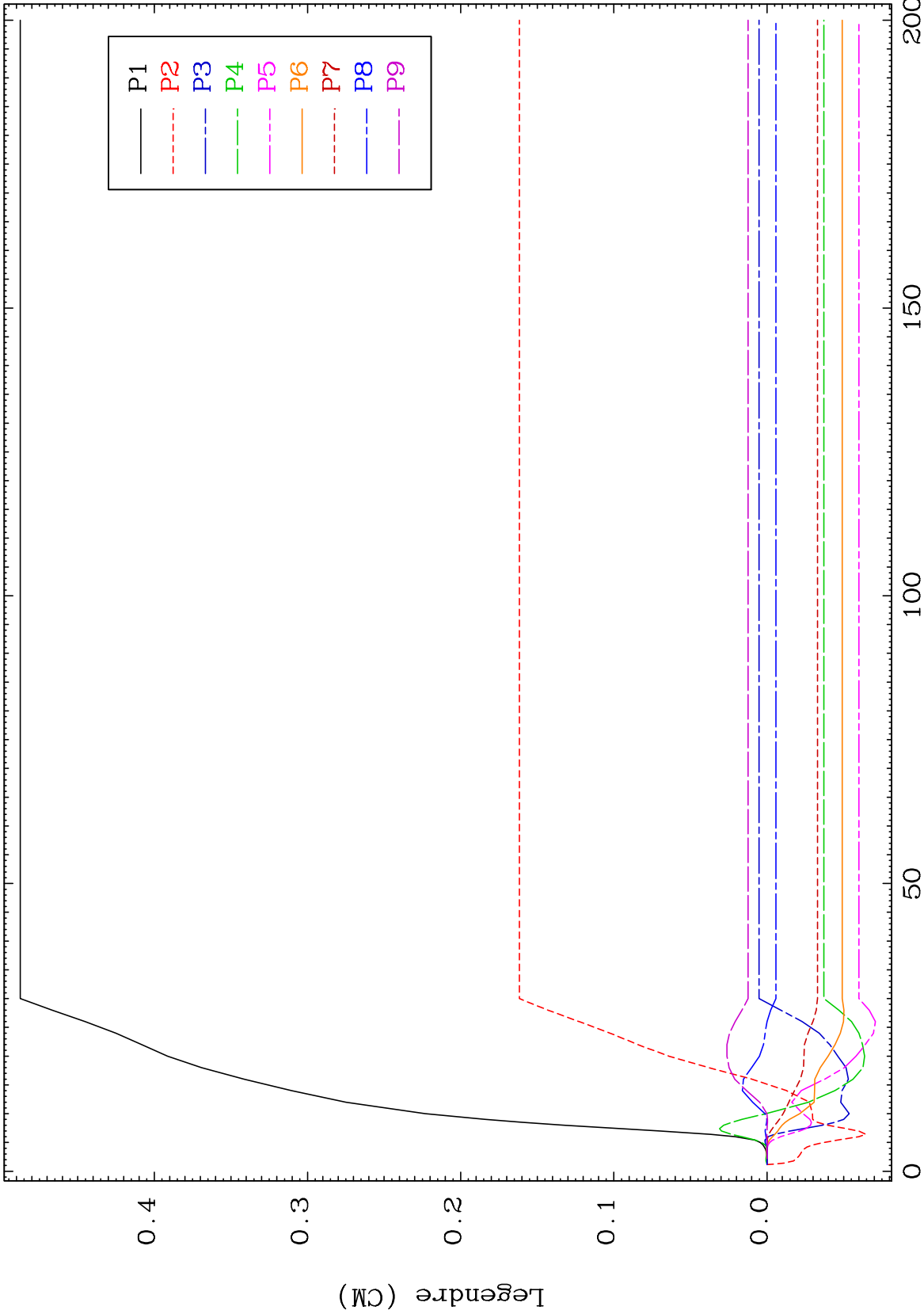
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



28

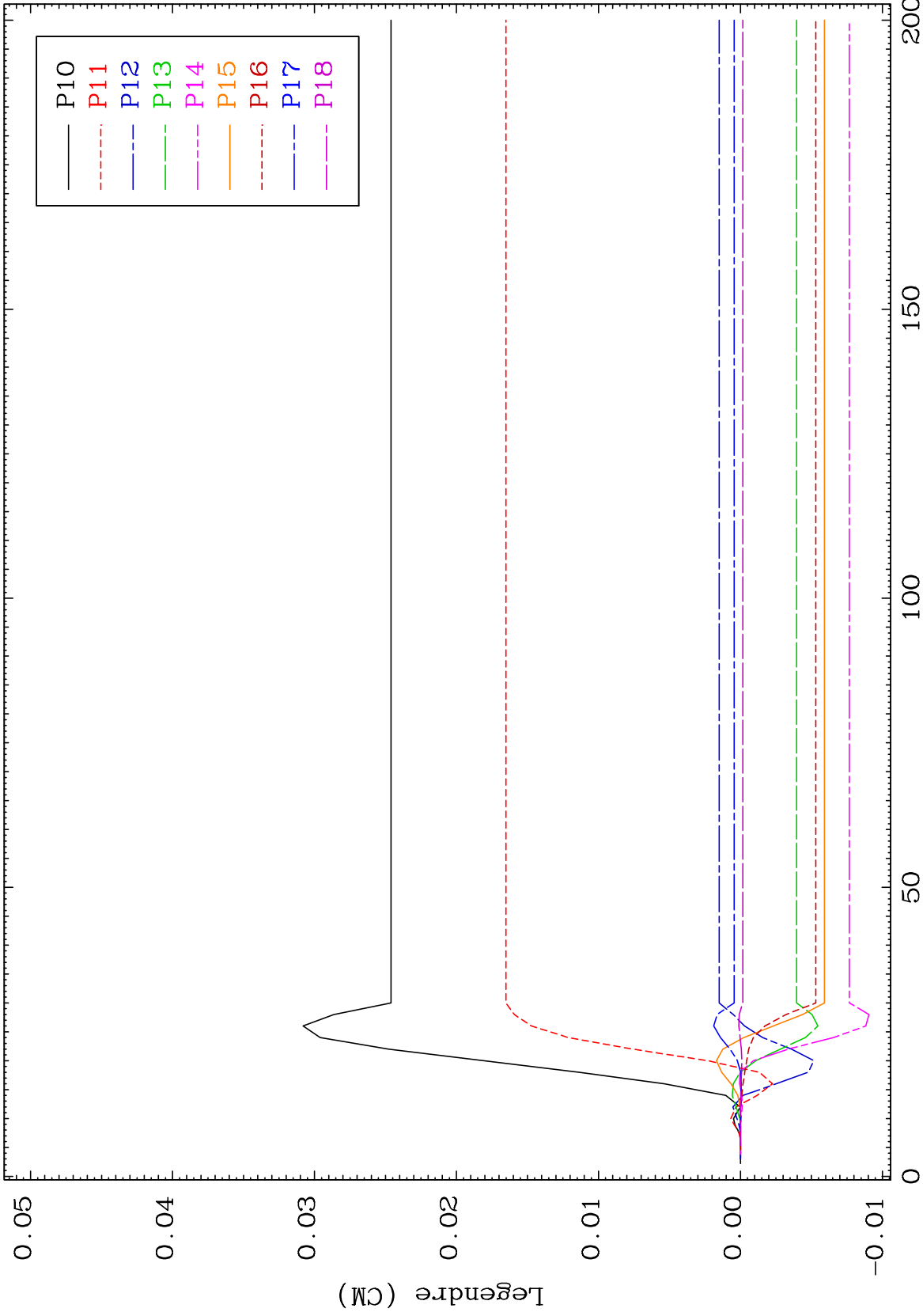
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



29

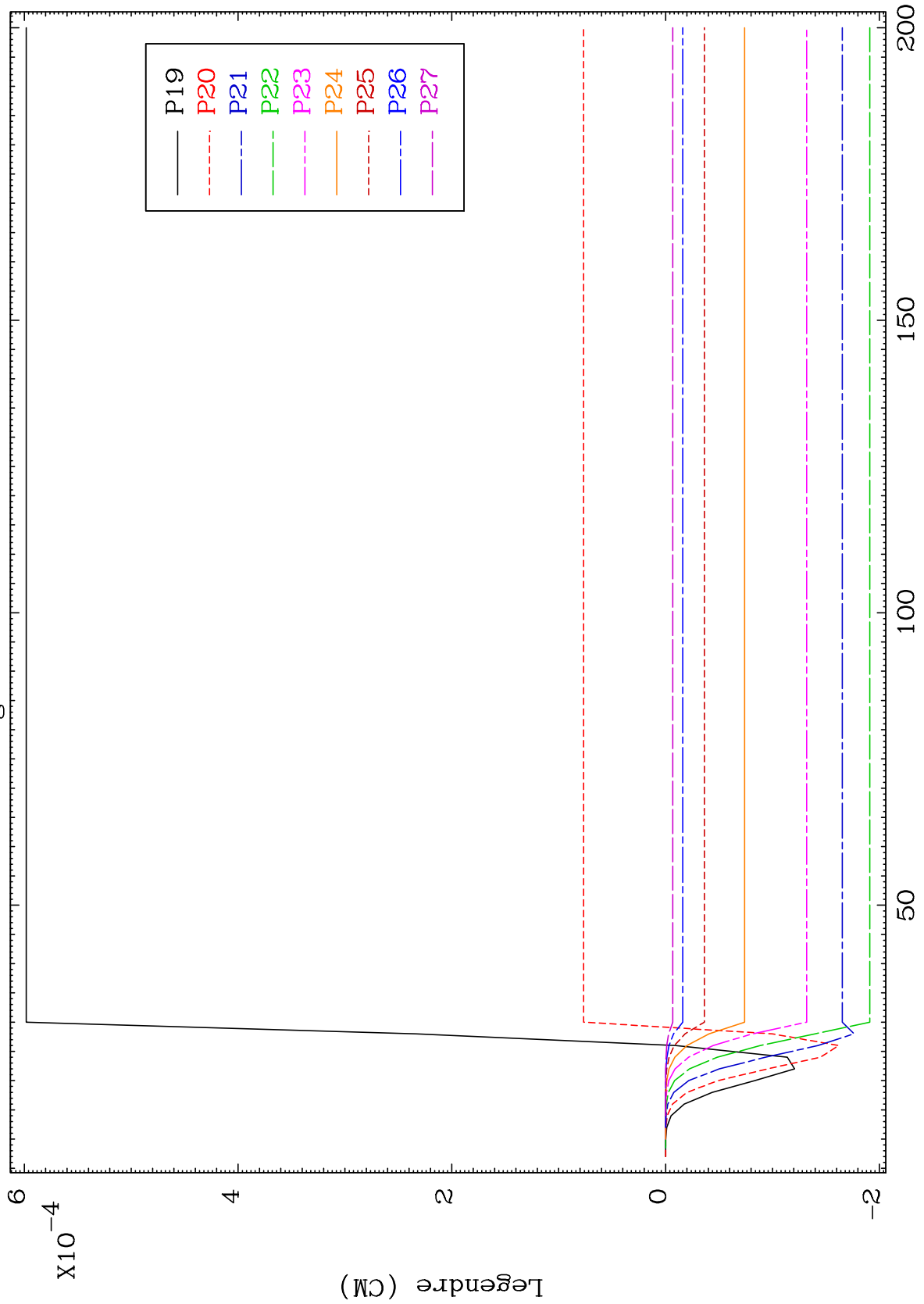
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



30

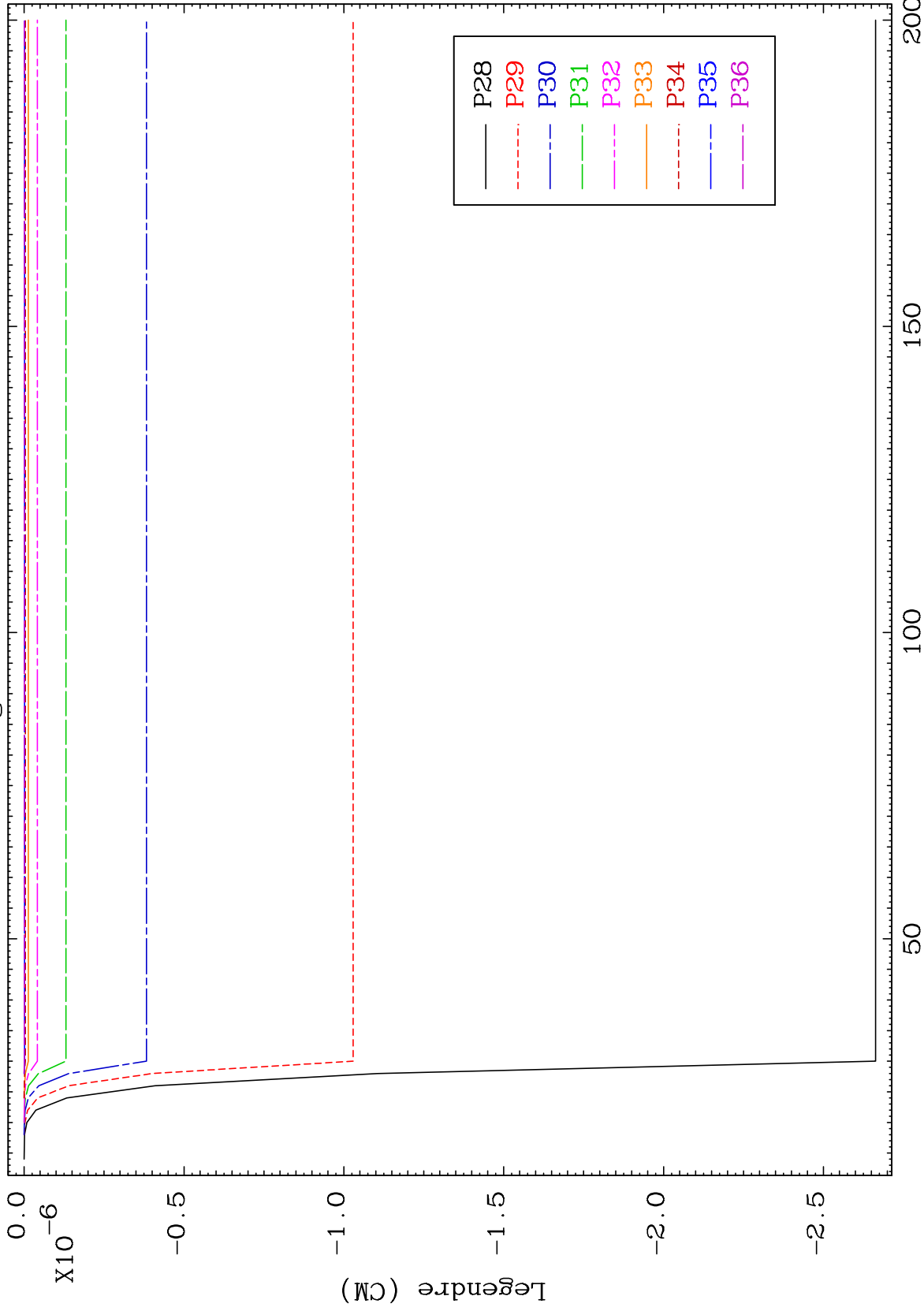
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



31

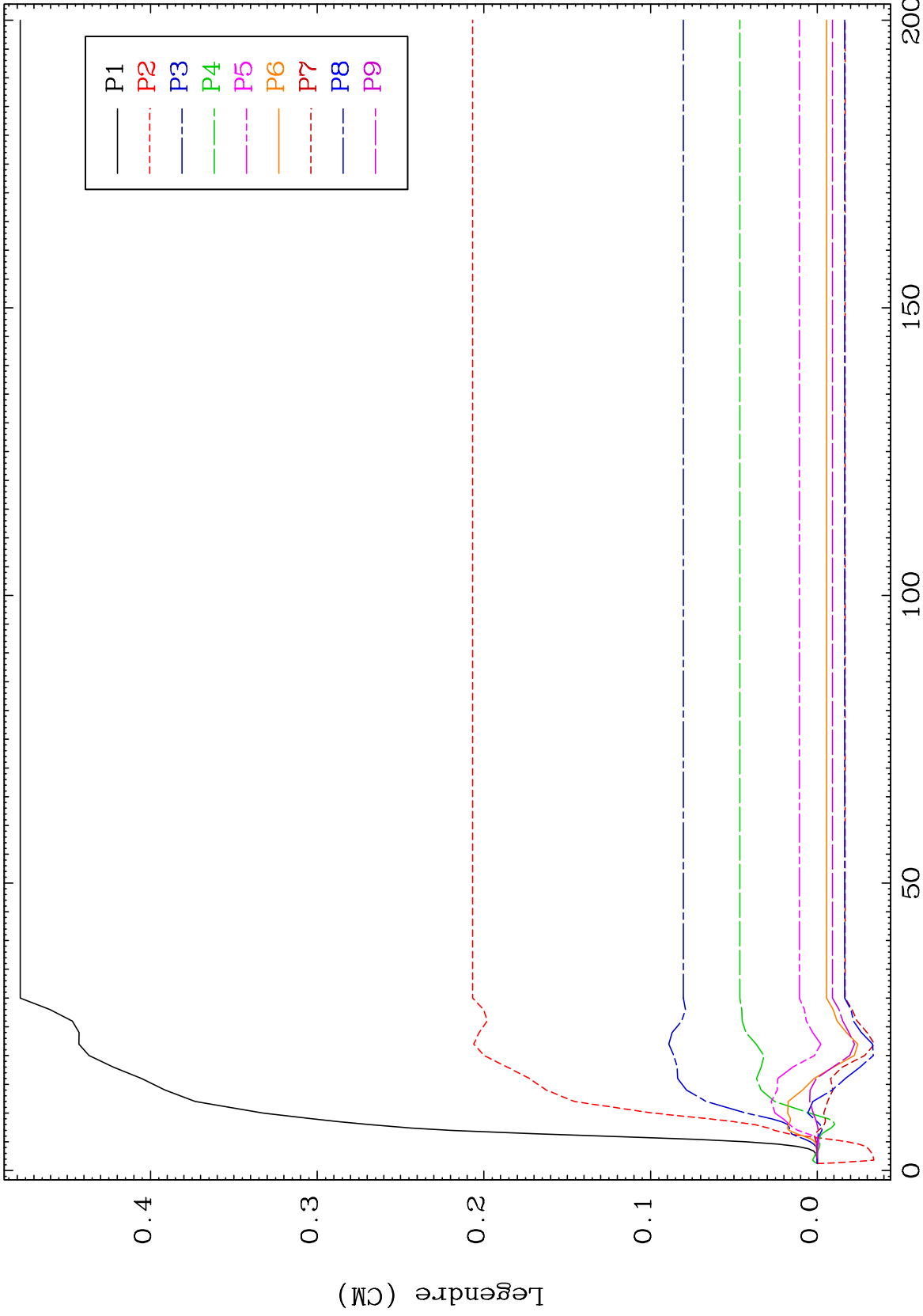
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151

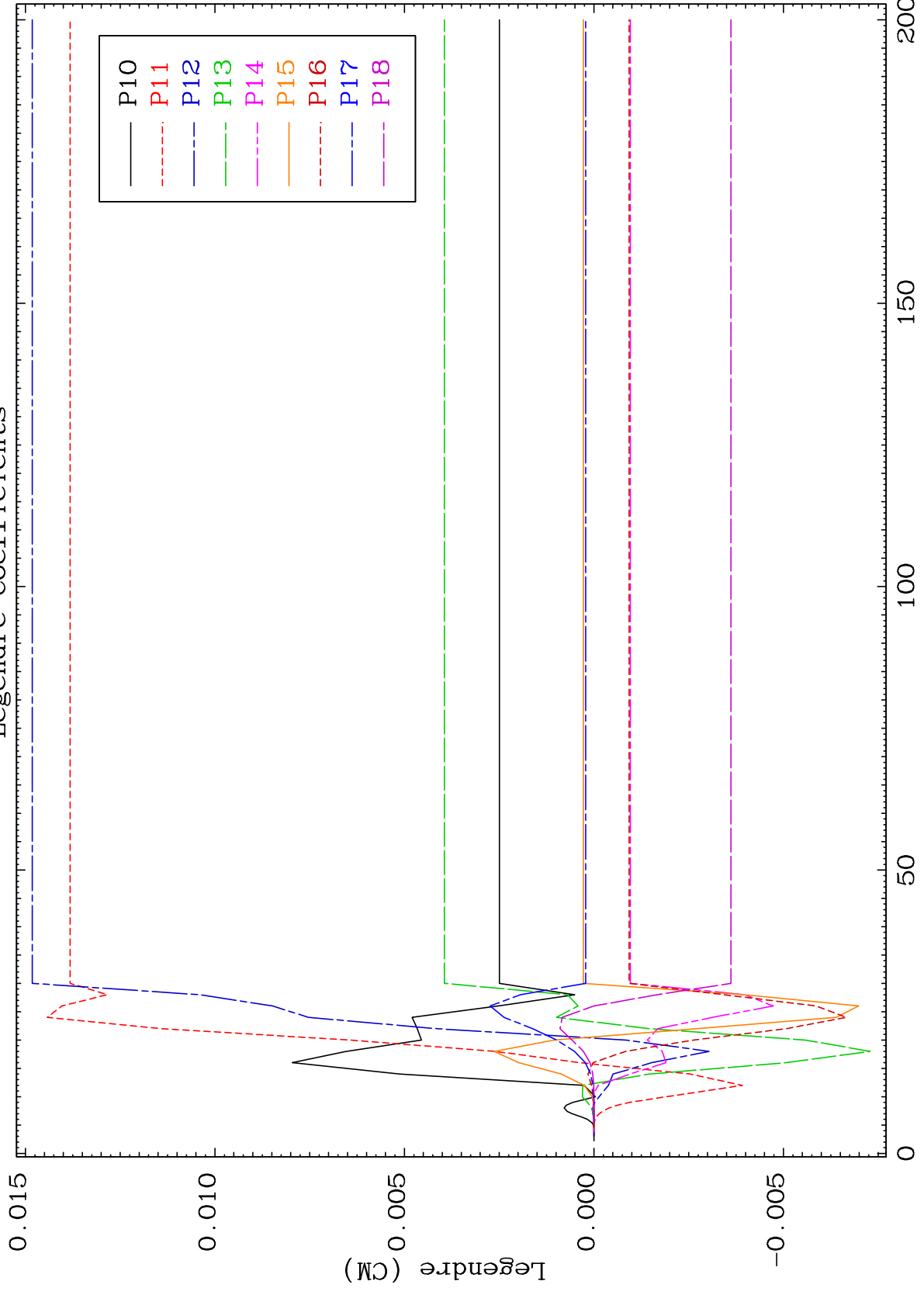


32

Incident Energy (MeV)

68-Er-151

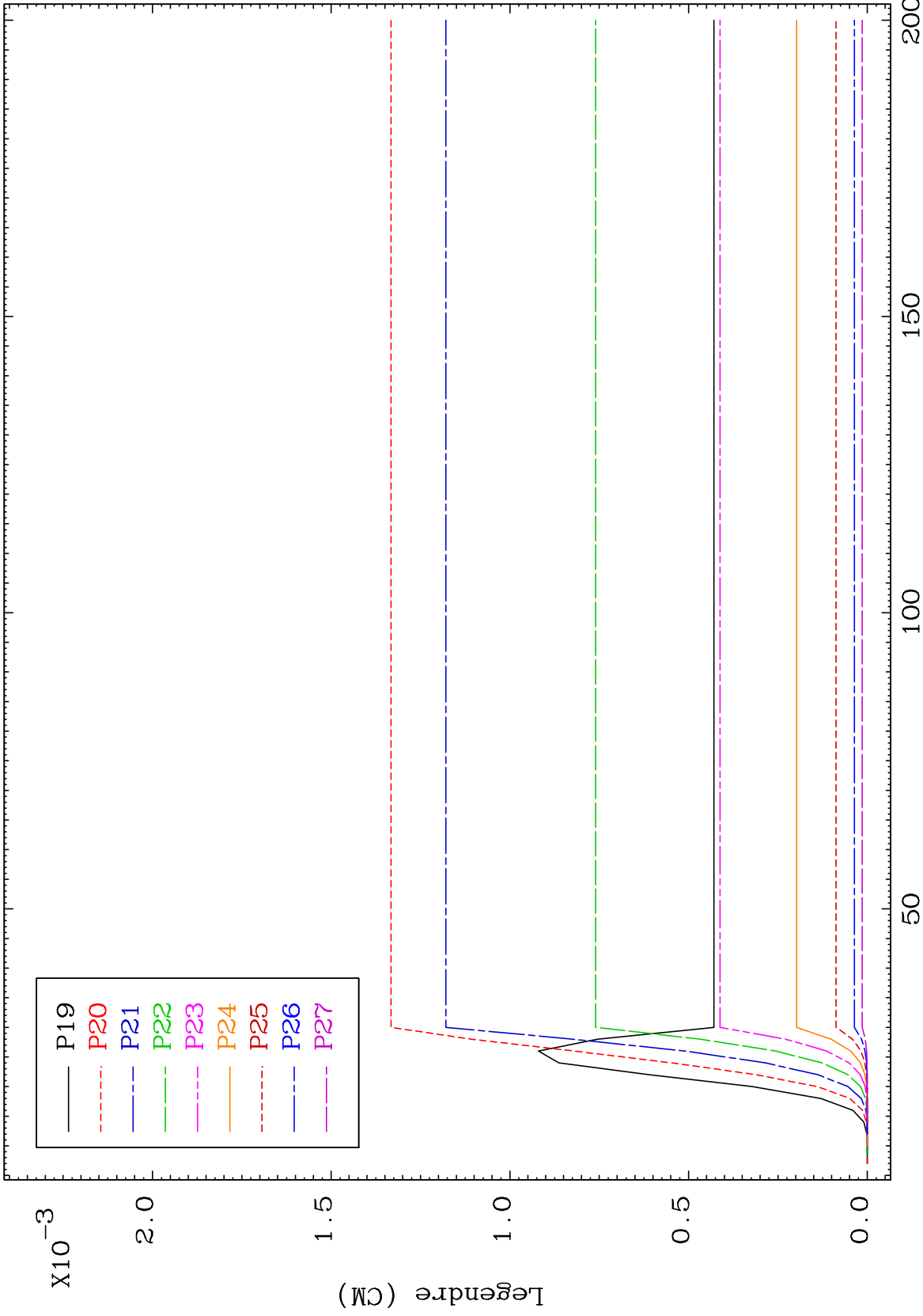
MAT 6792 MT= 54 (n,n') Level Legendre Coefficients 68-Er-151



MAT 6792

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

68-Er-151



34

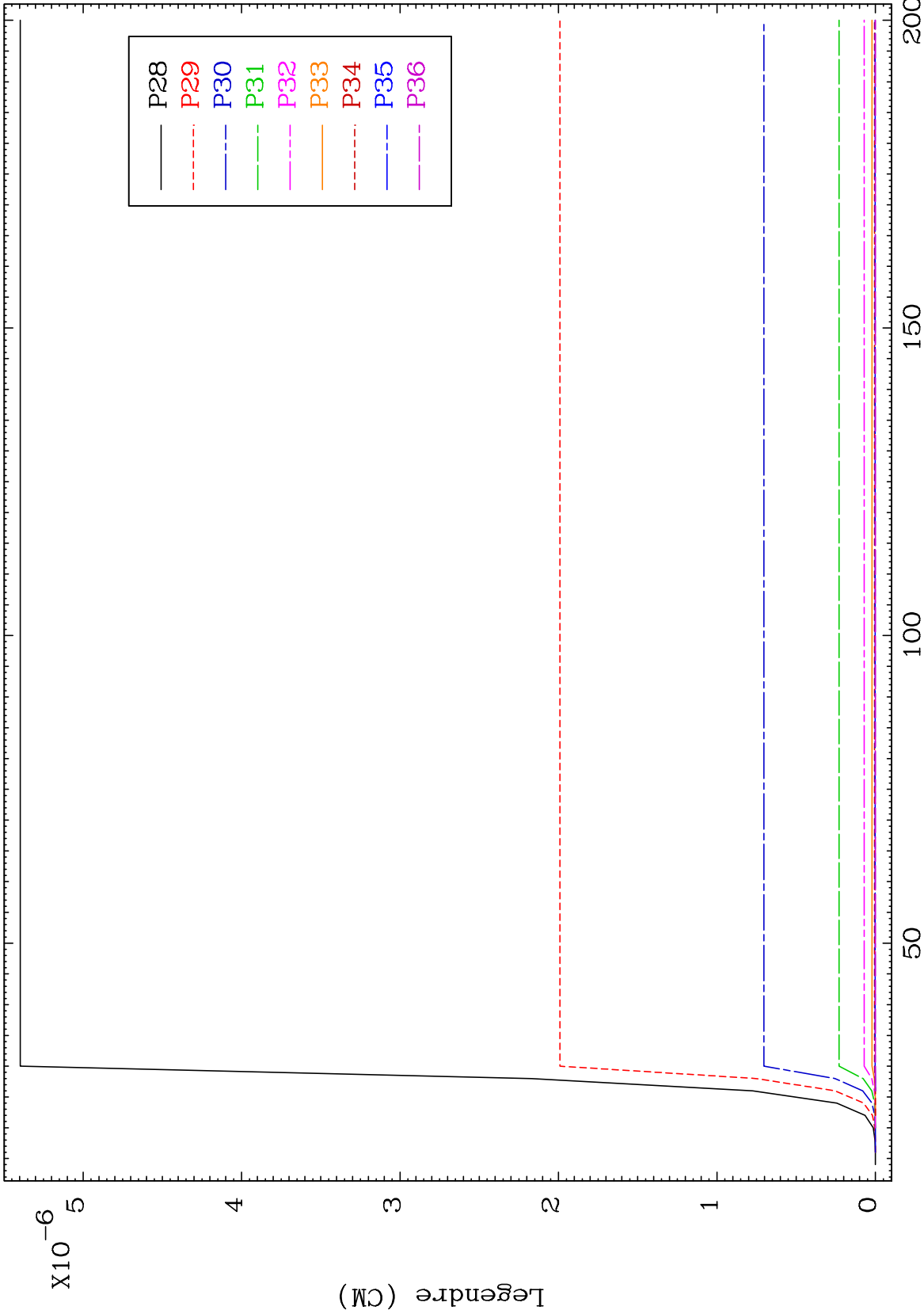
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



35

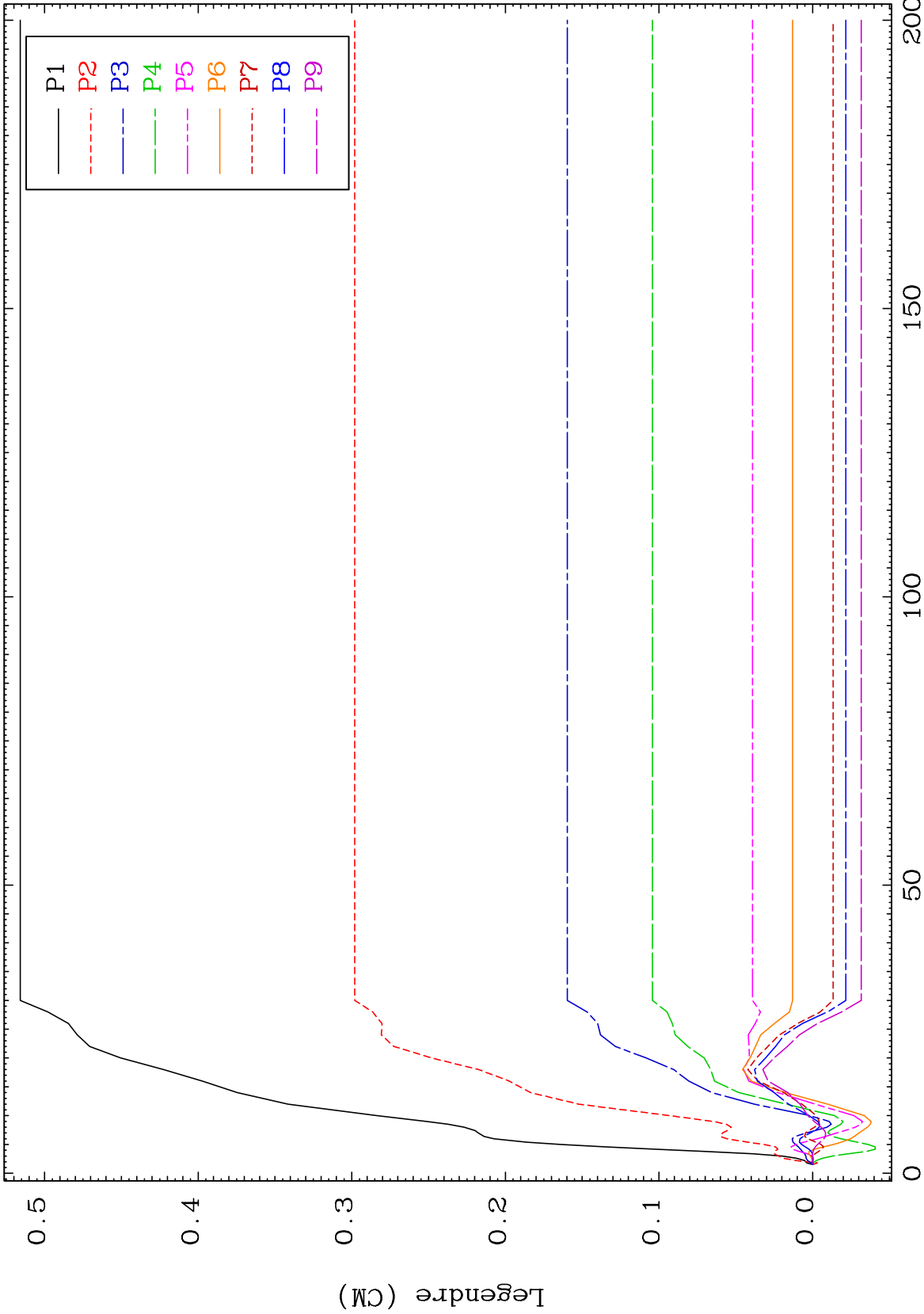
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



36

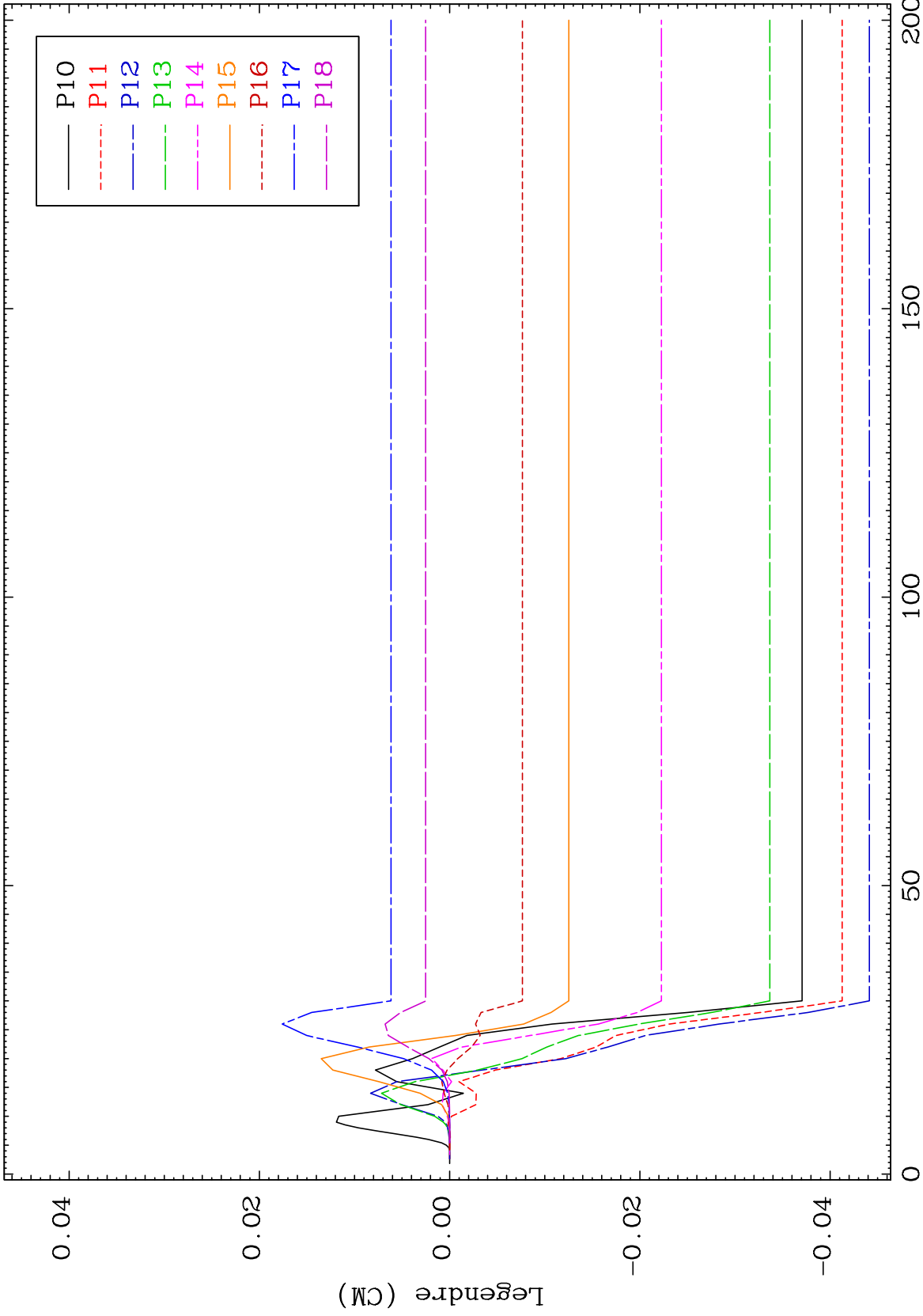
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



37

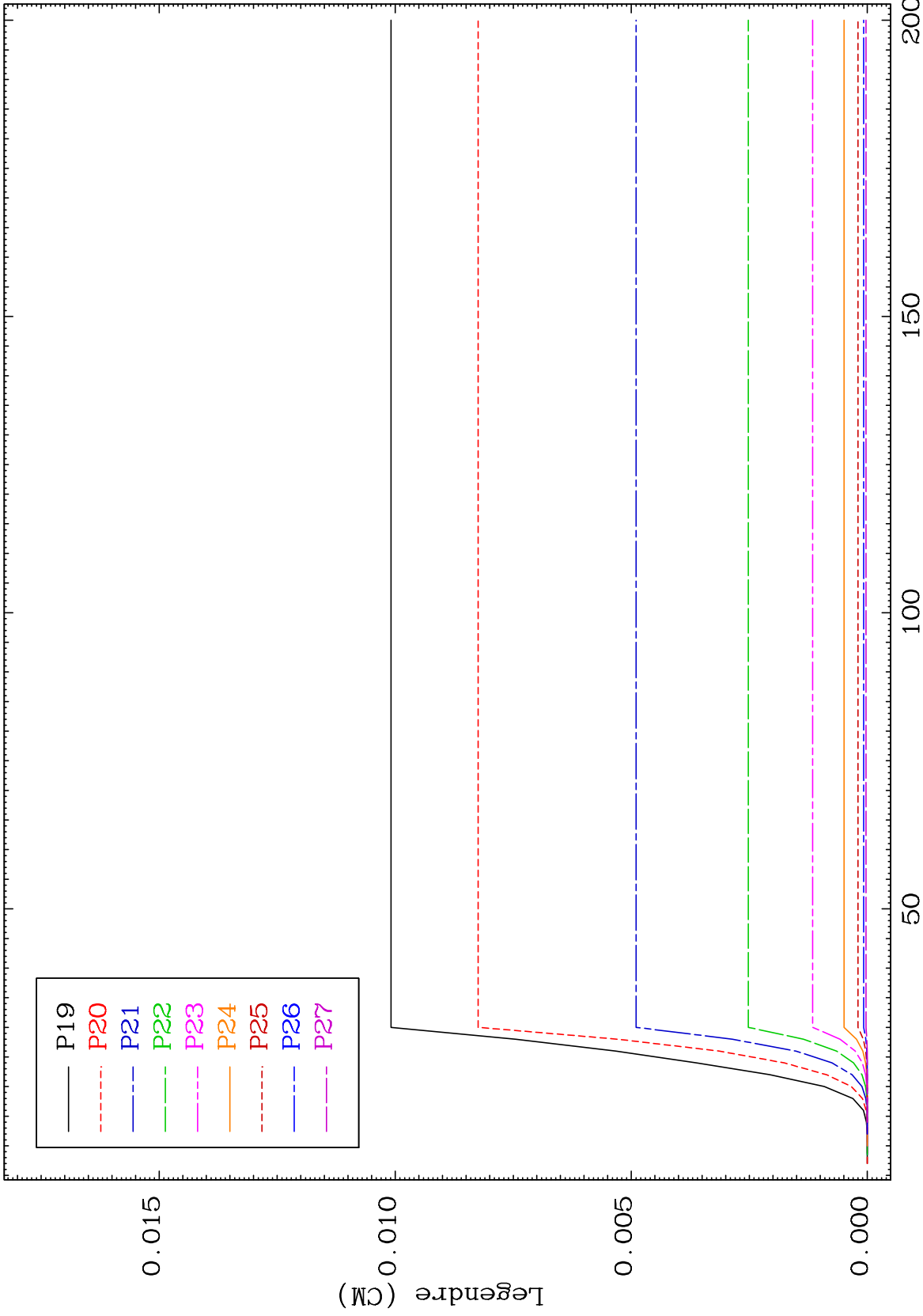
Incident Energy (MeV)

68-Er-151

MAT 6792

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

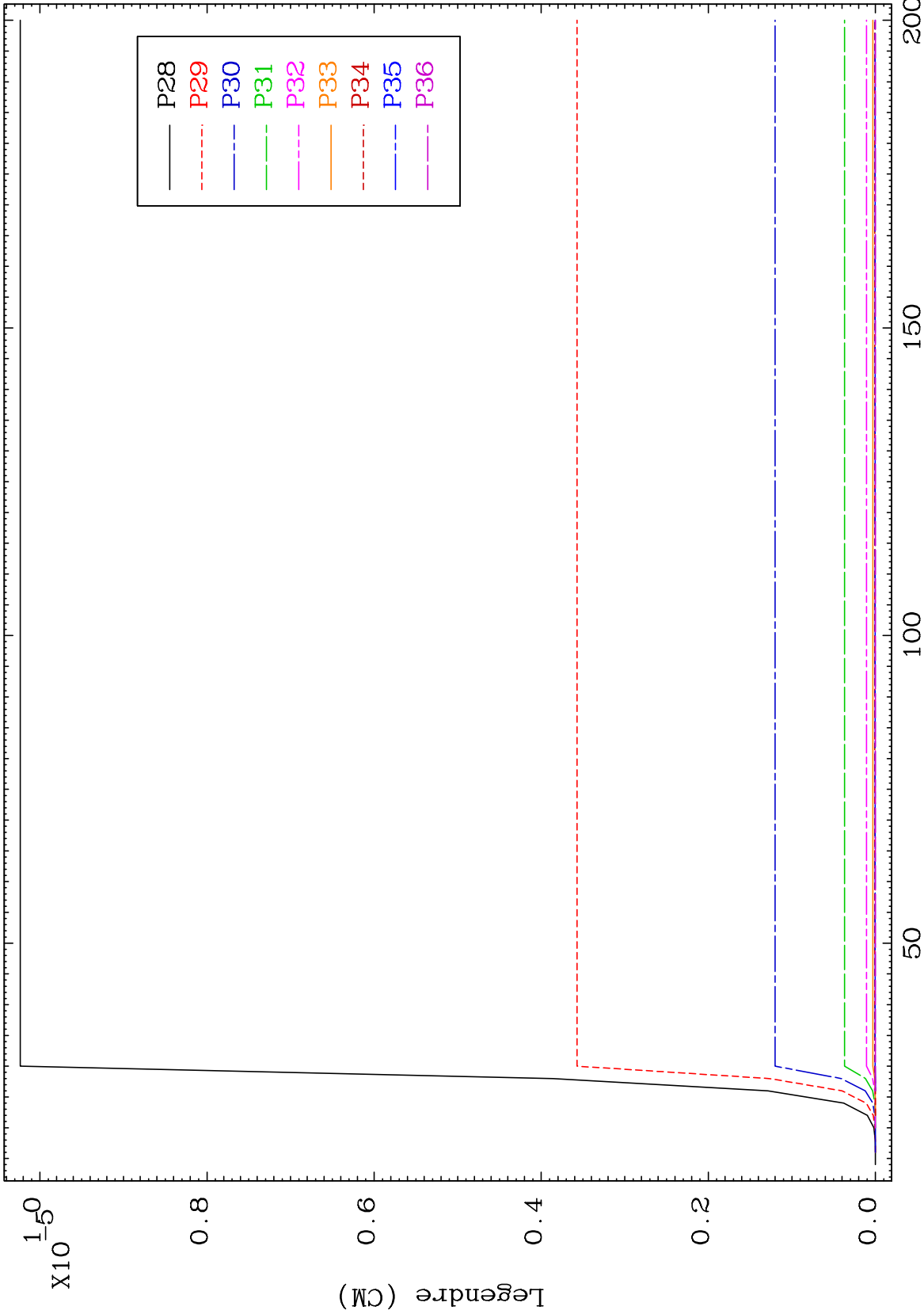
68-Er-151



38

Incident Energy (MeV)

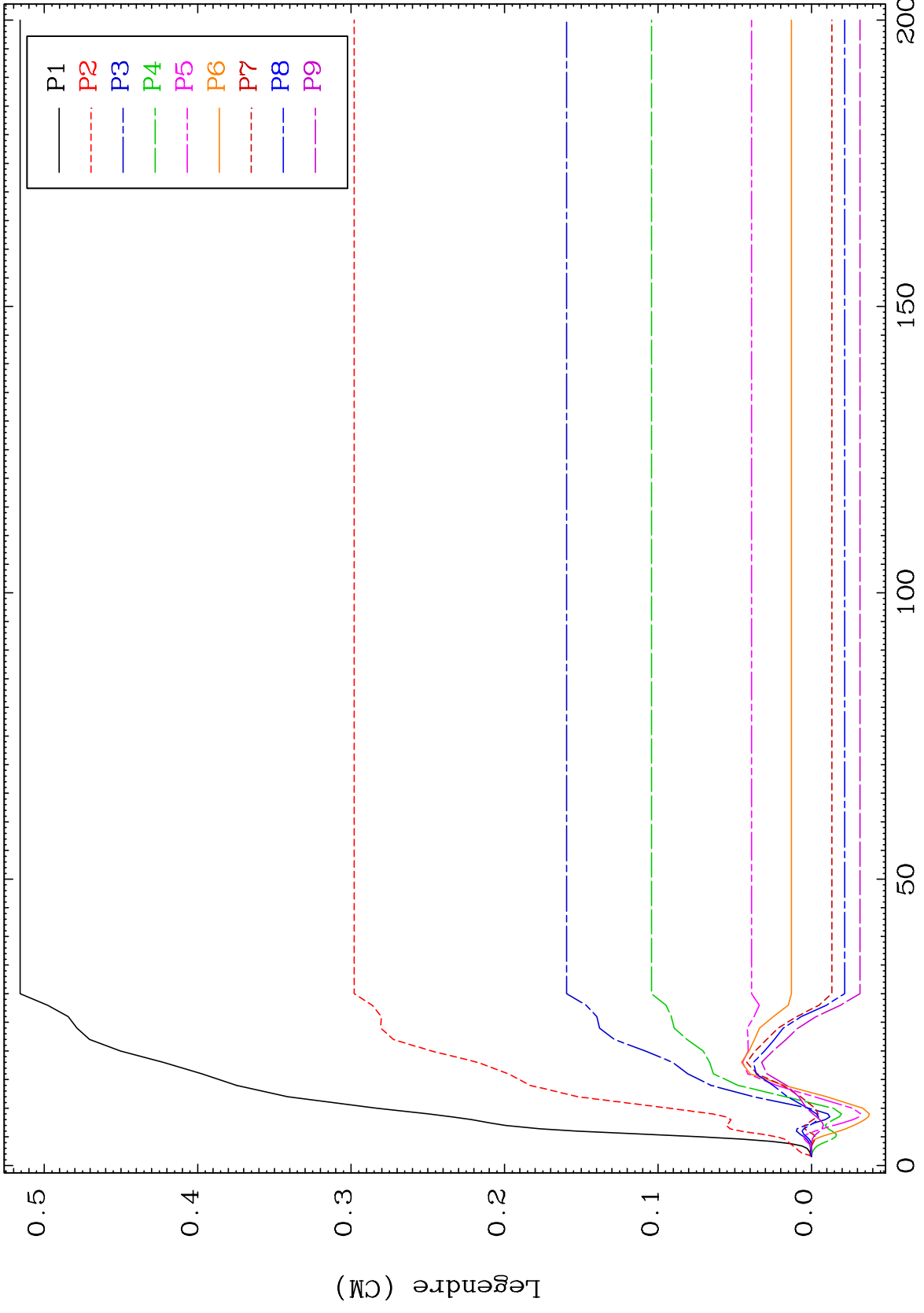
68-Er-151



MAT 6792

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

68-Er-151



40

50

100

150

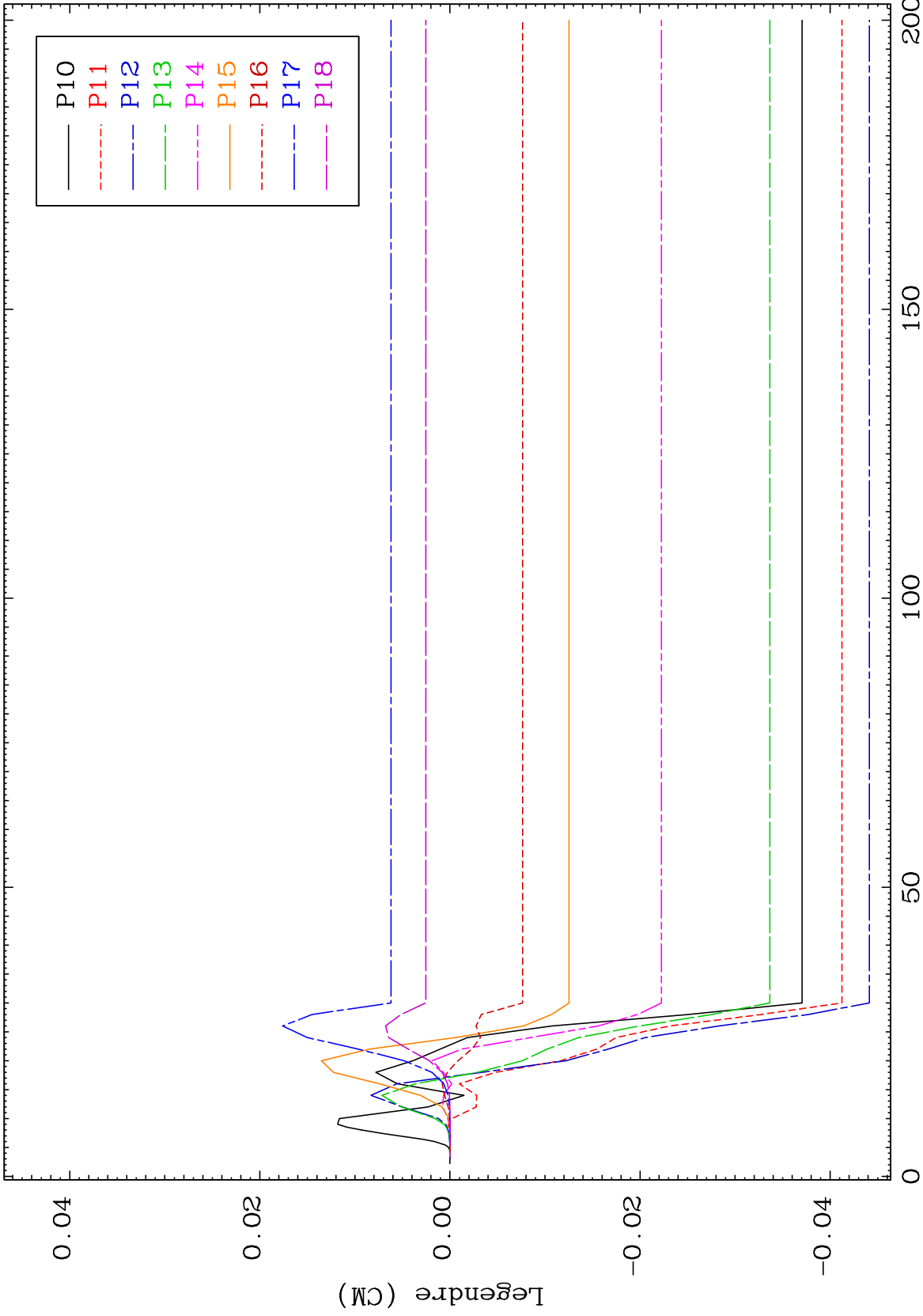
200

68-Er-151

MAT 6792

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

68-Er-151



41

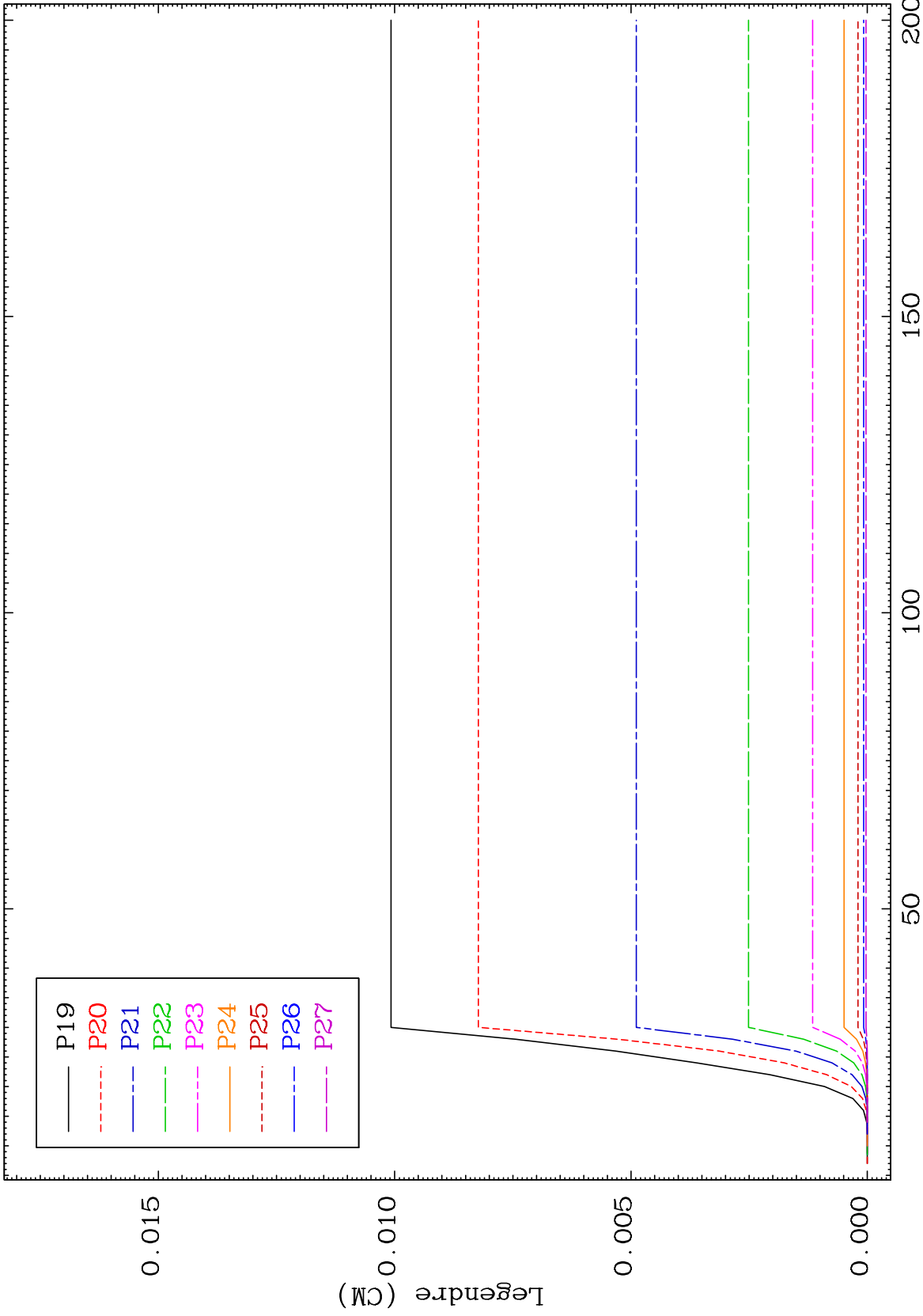
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



42

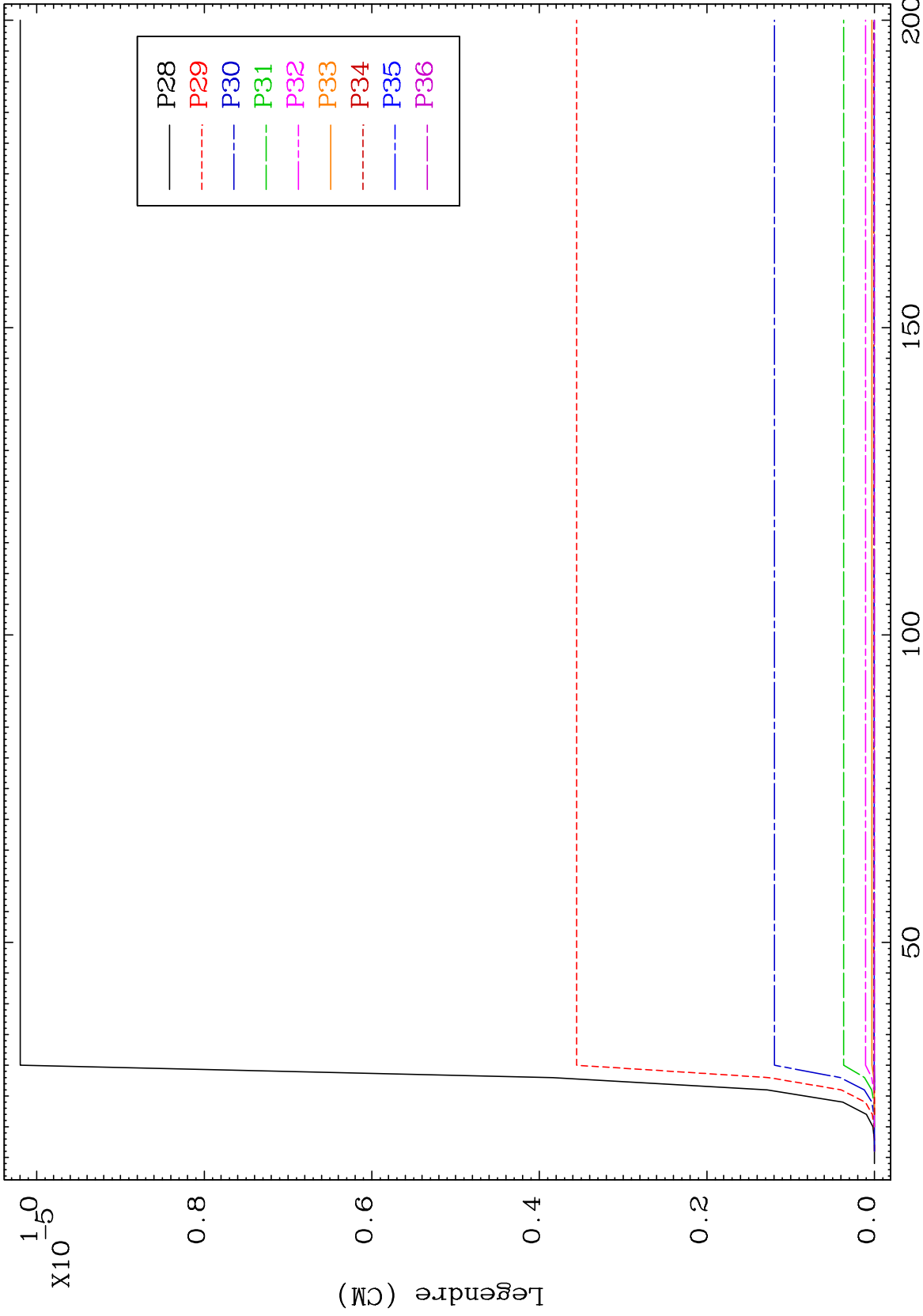
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



43

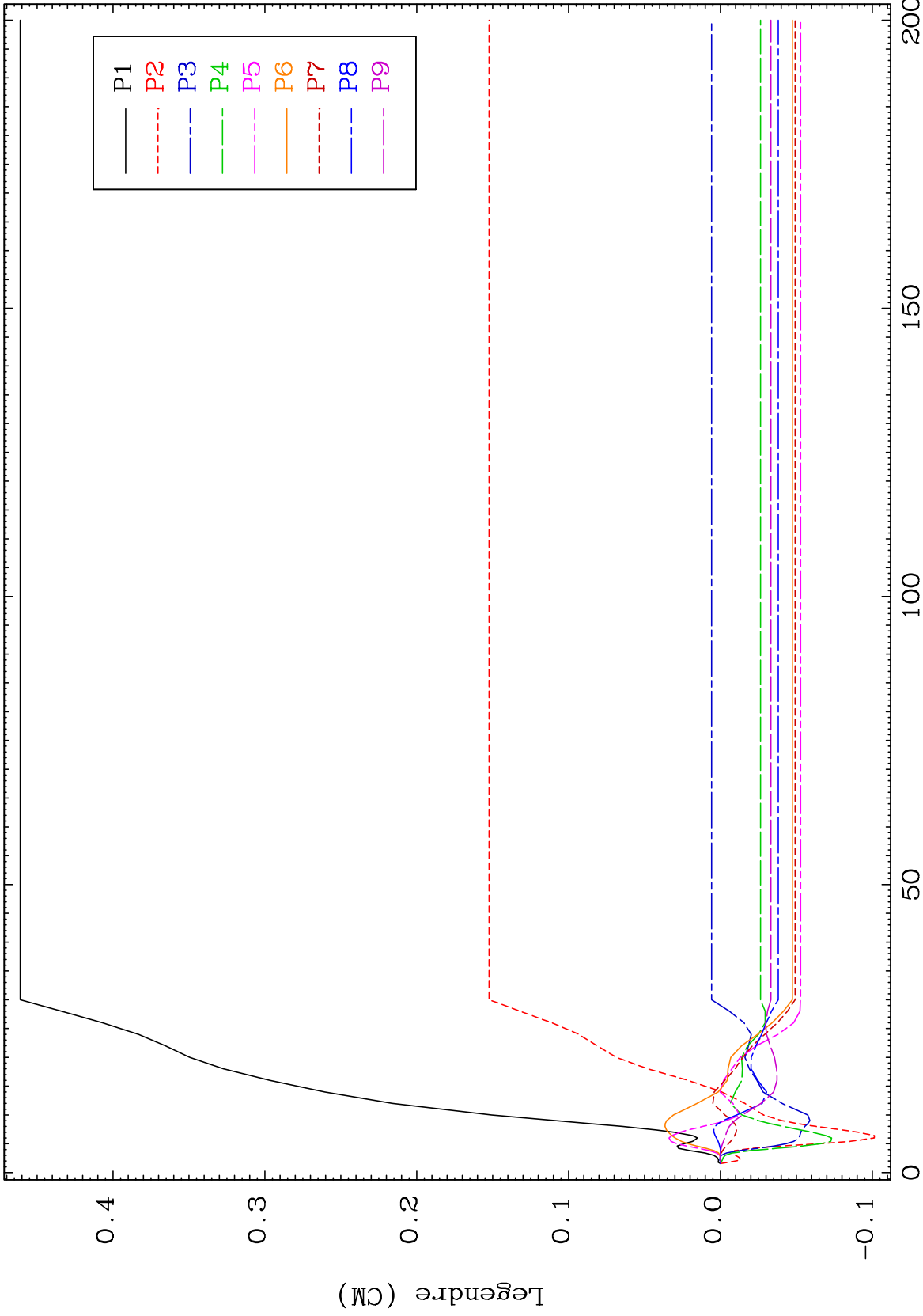
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



44

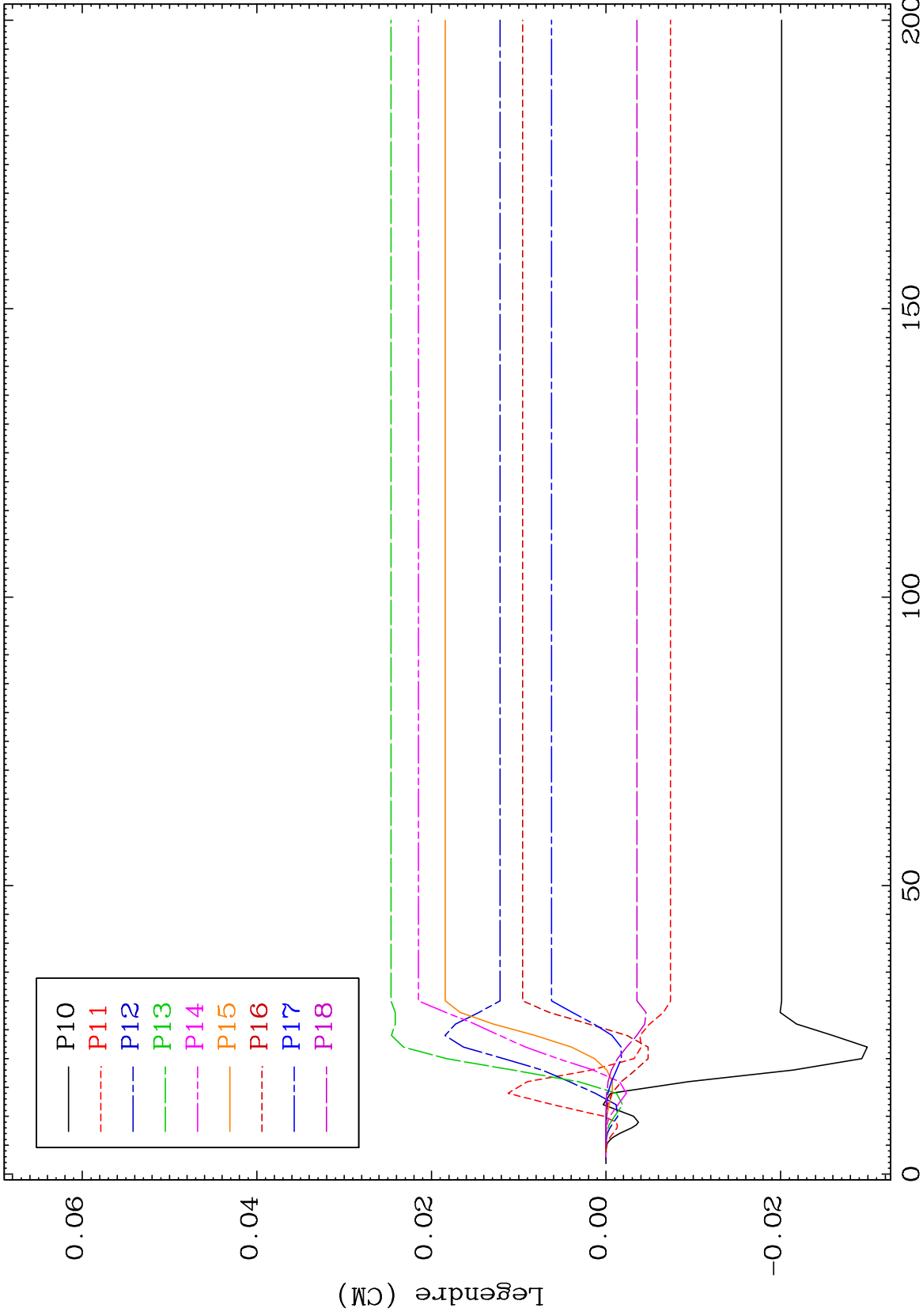
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



45

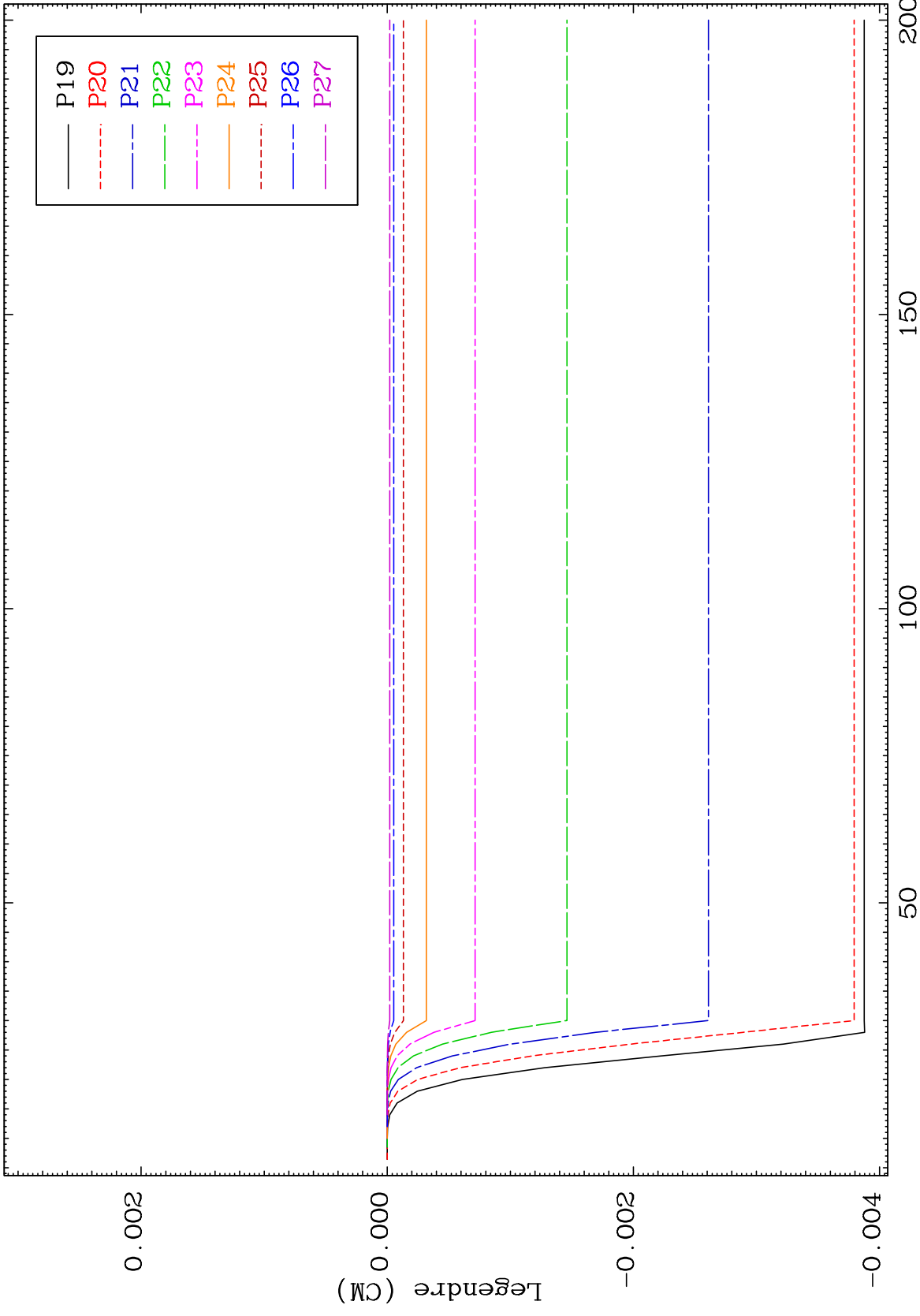
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



46

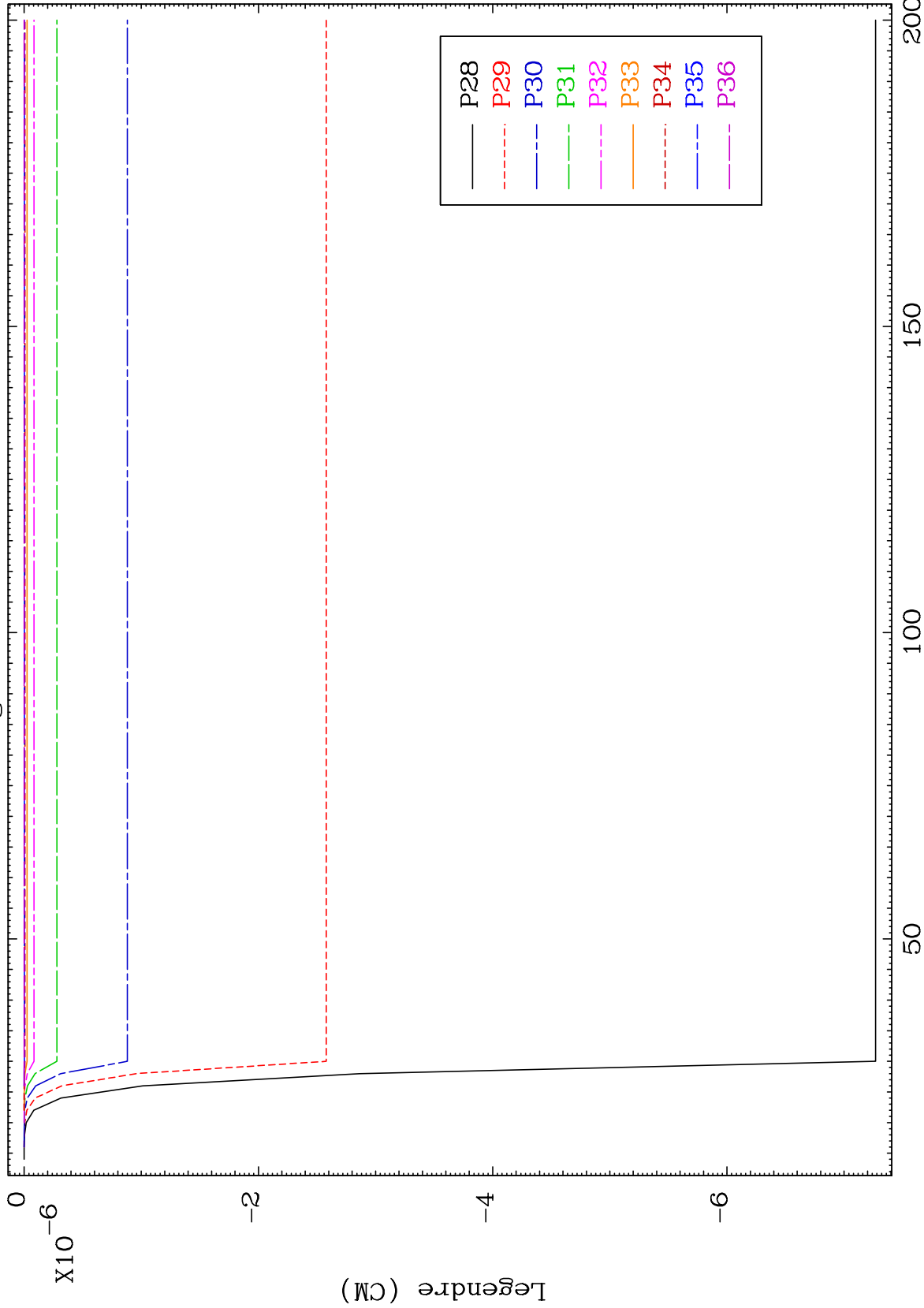
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



47

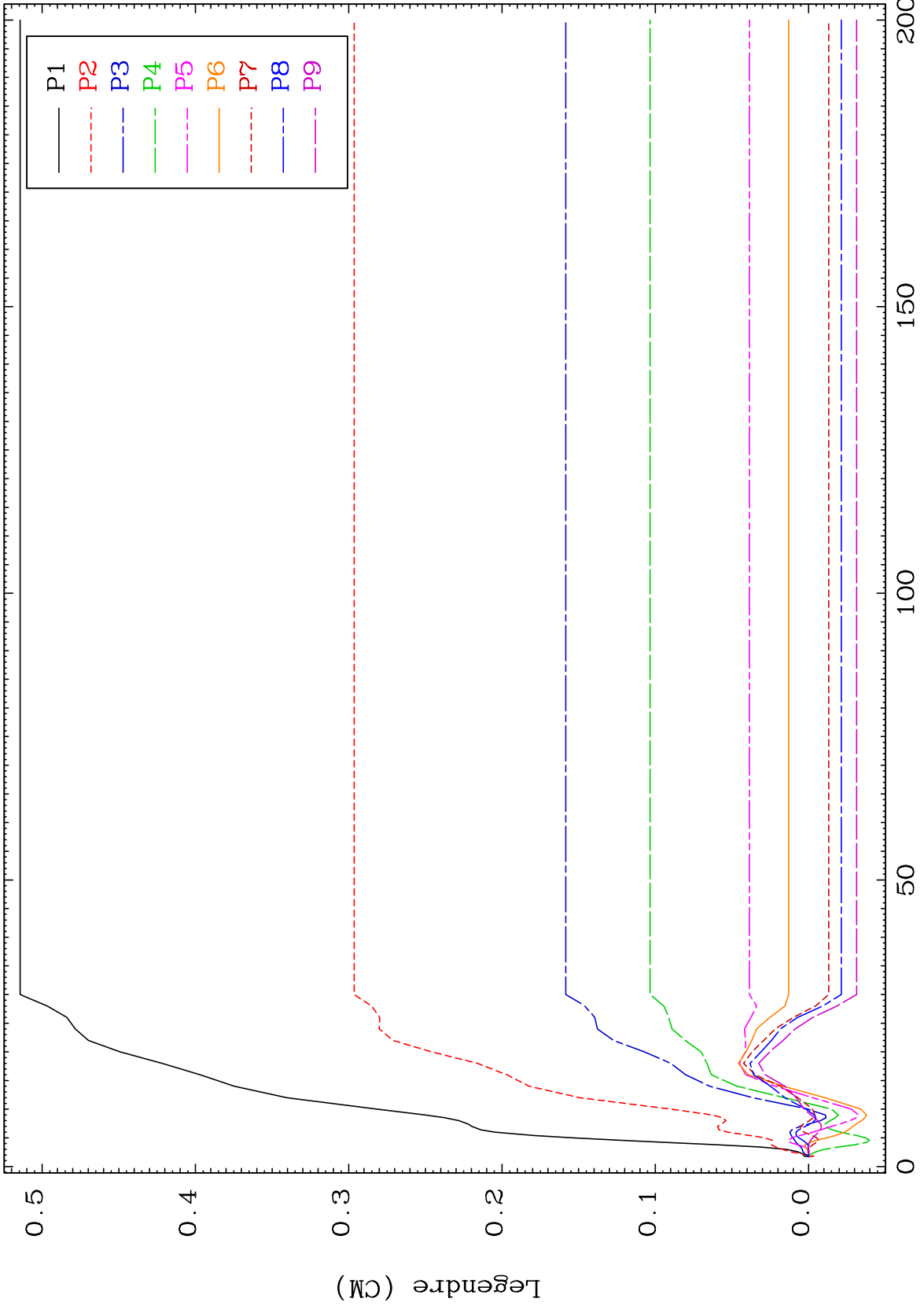
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



48

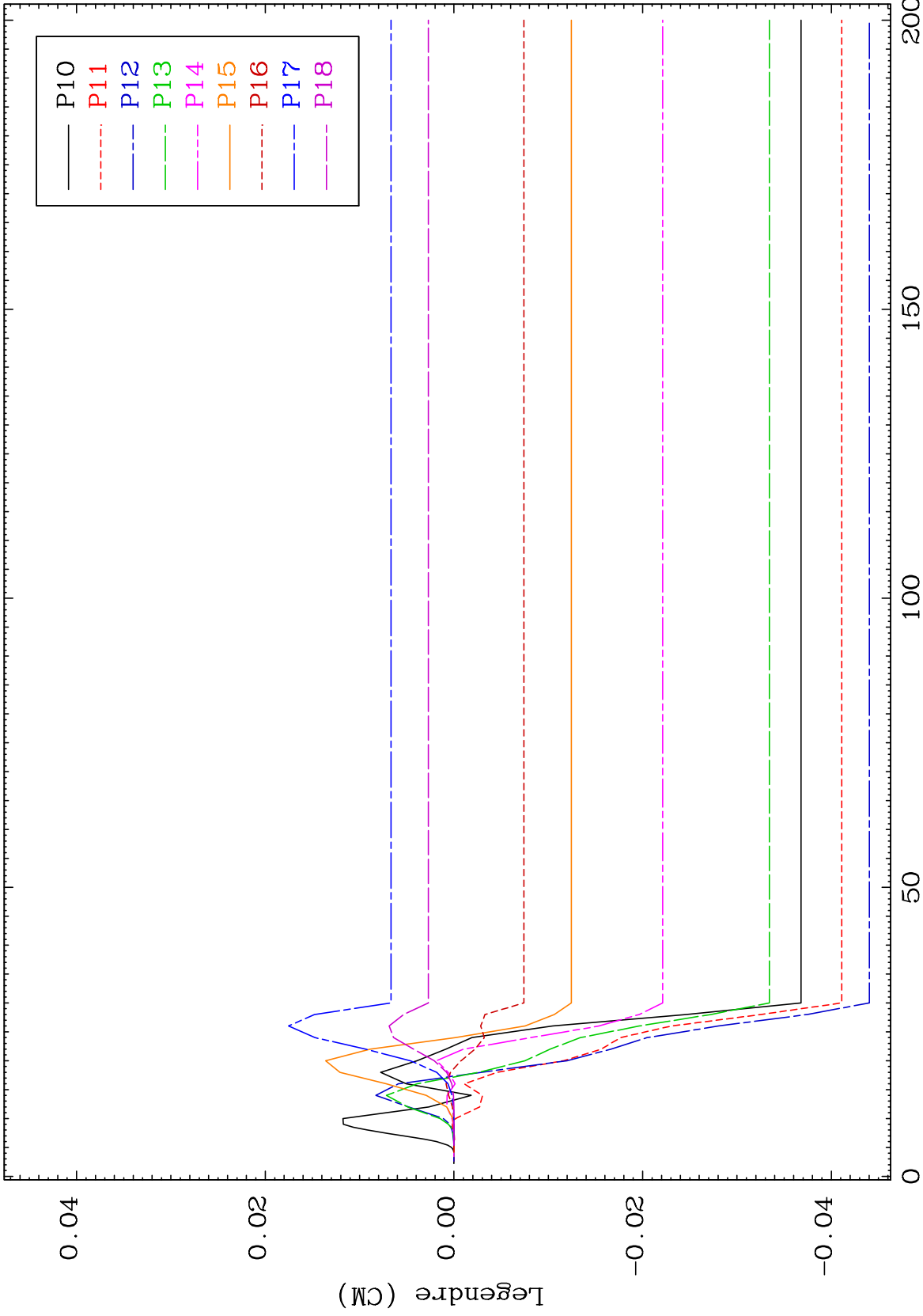
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



49

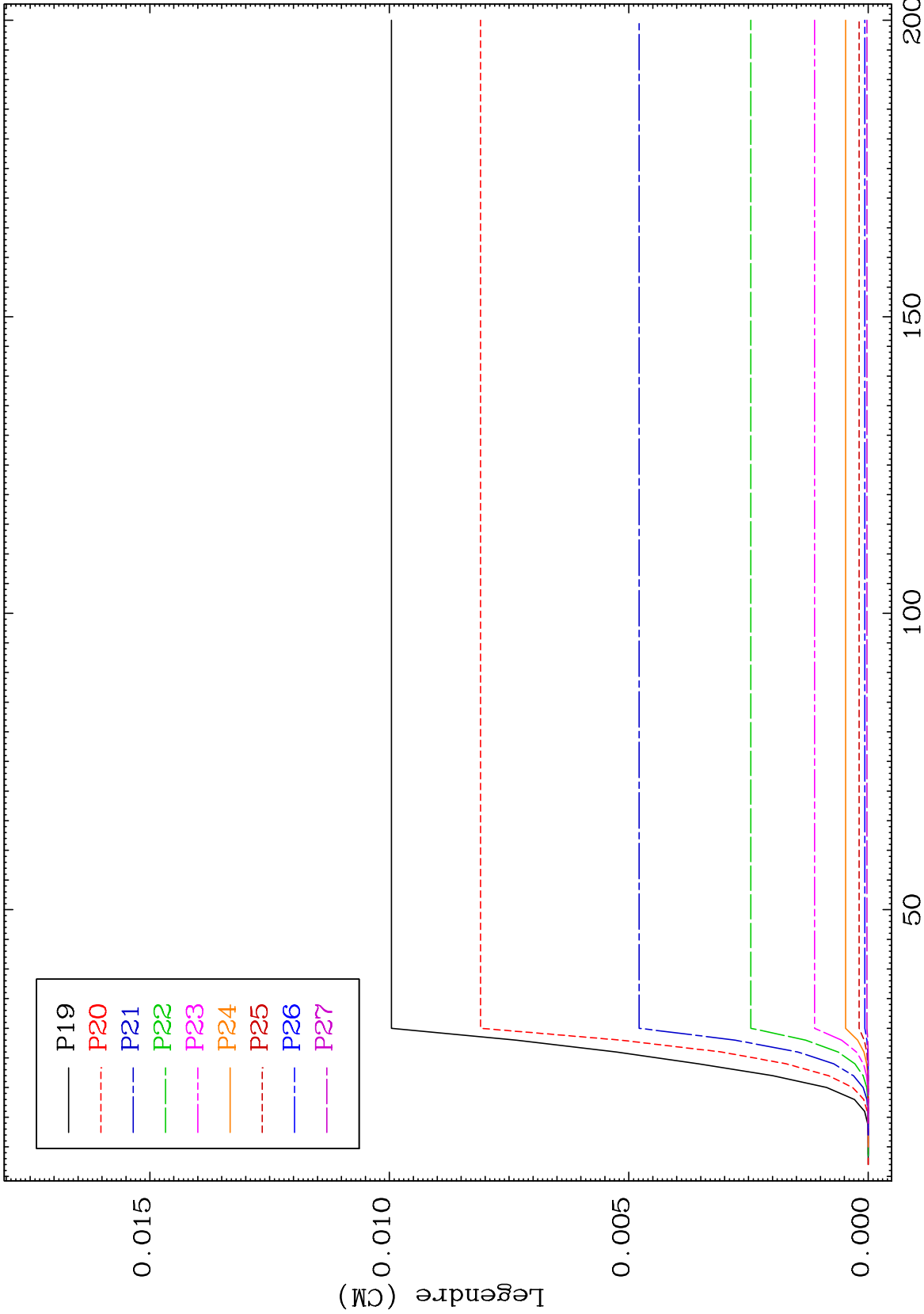
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



50

50

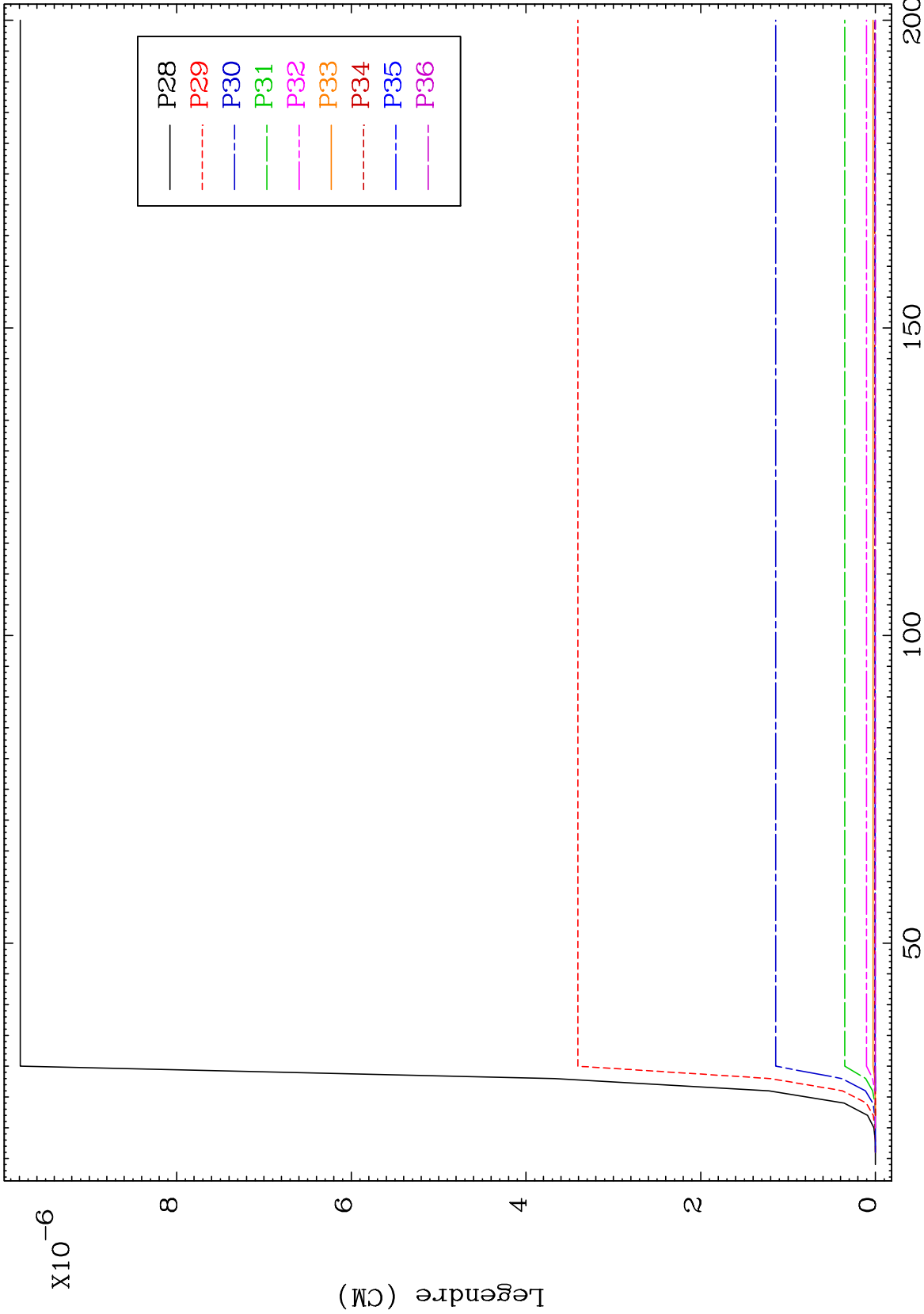
100

150

200

Incident Energy (MeV)

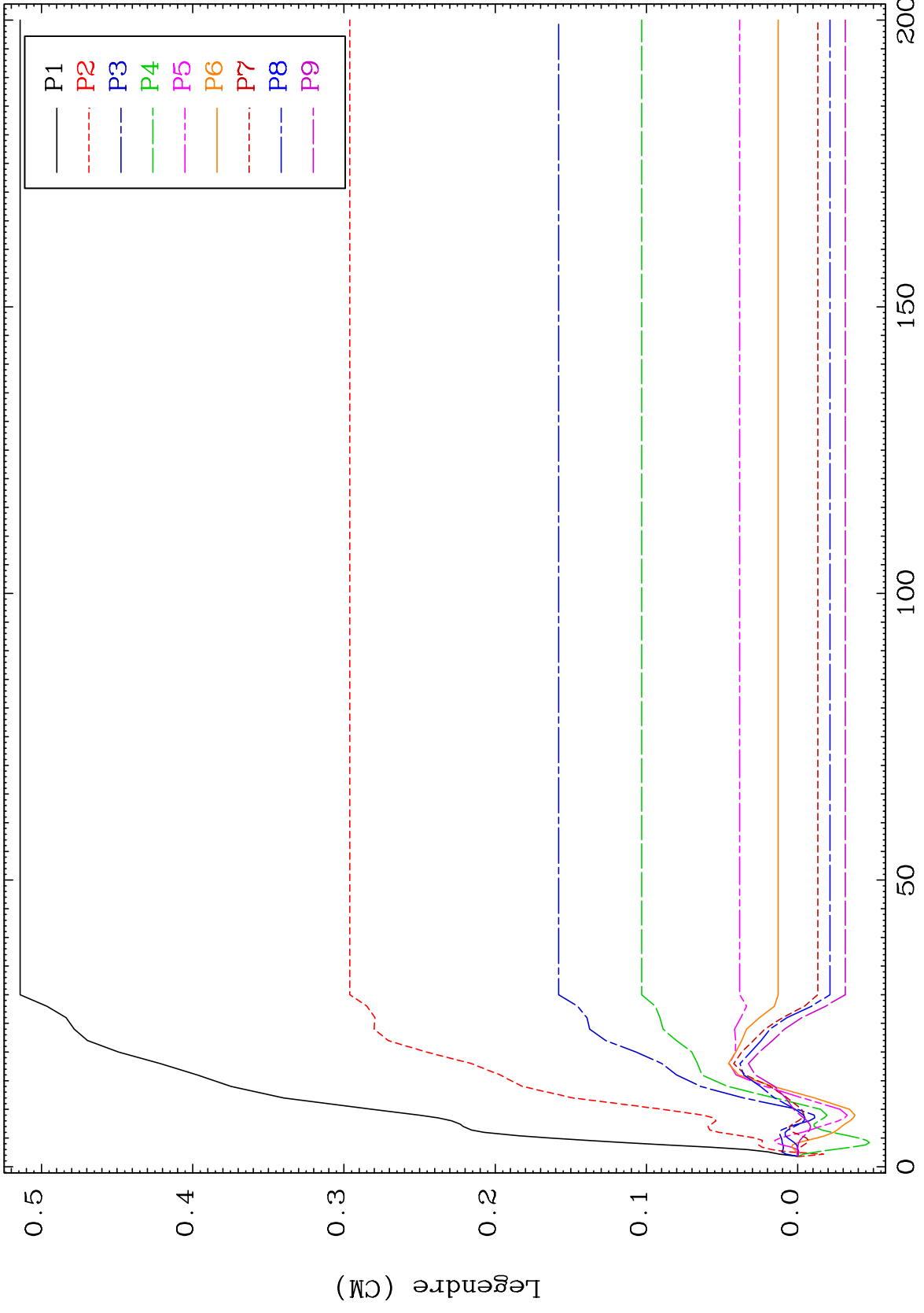
68-Er-151



MAT 6792

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

68-Er-151



52

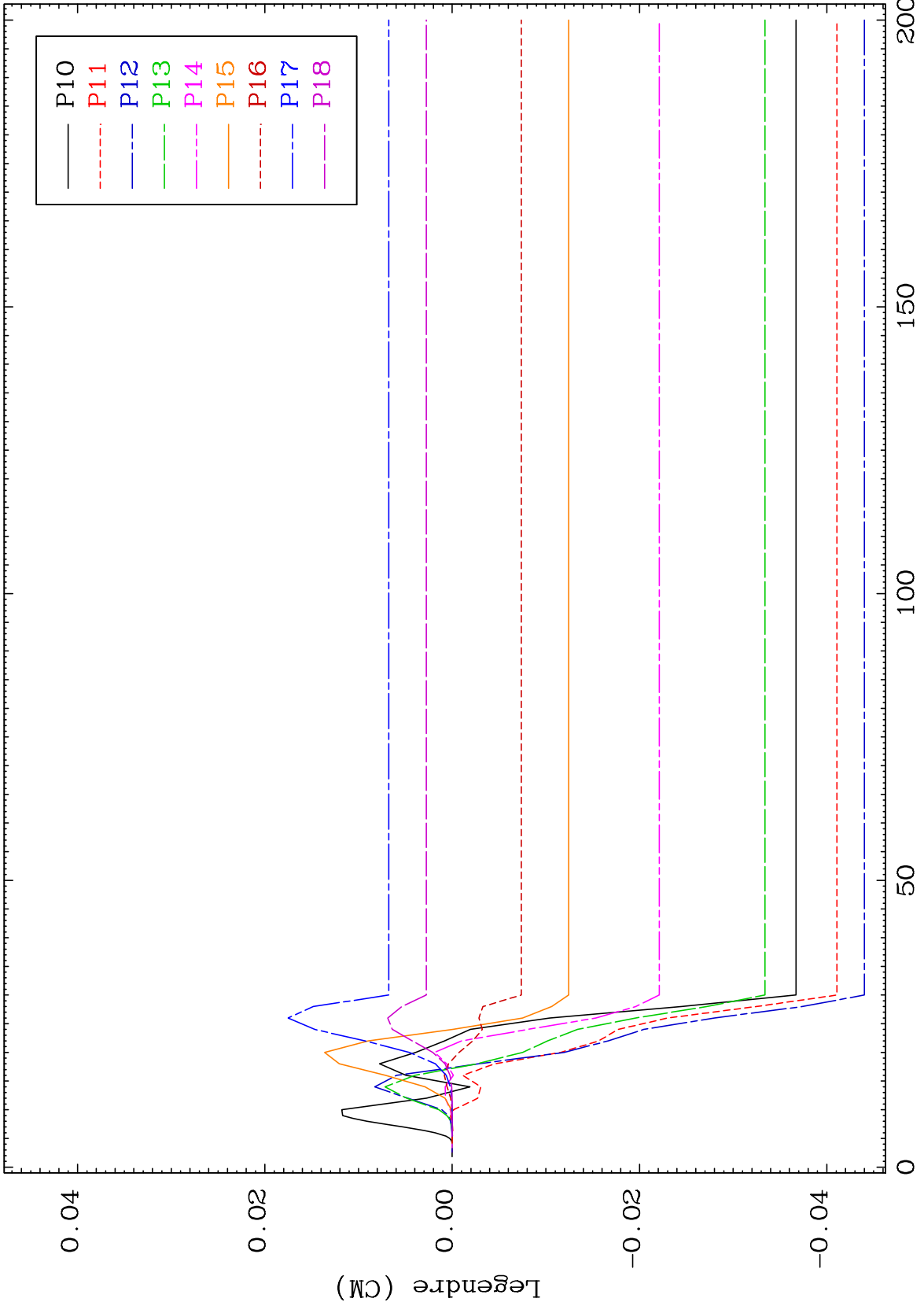
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



53

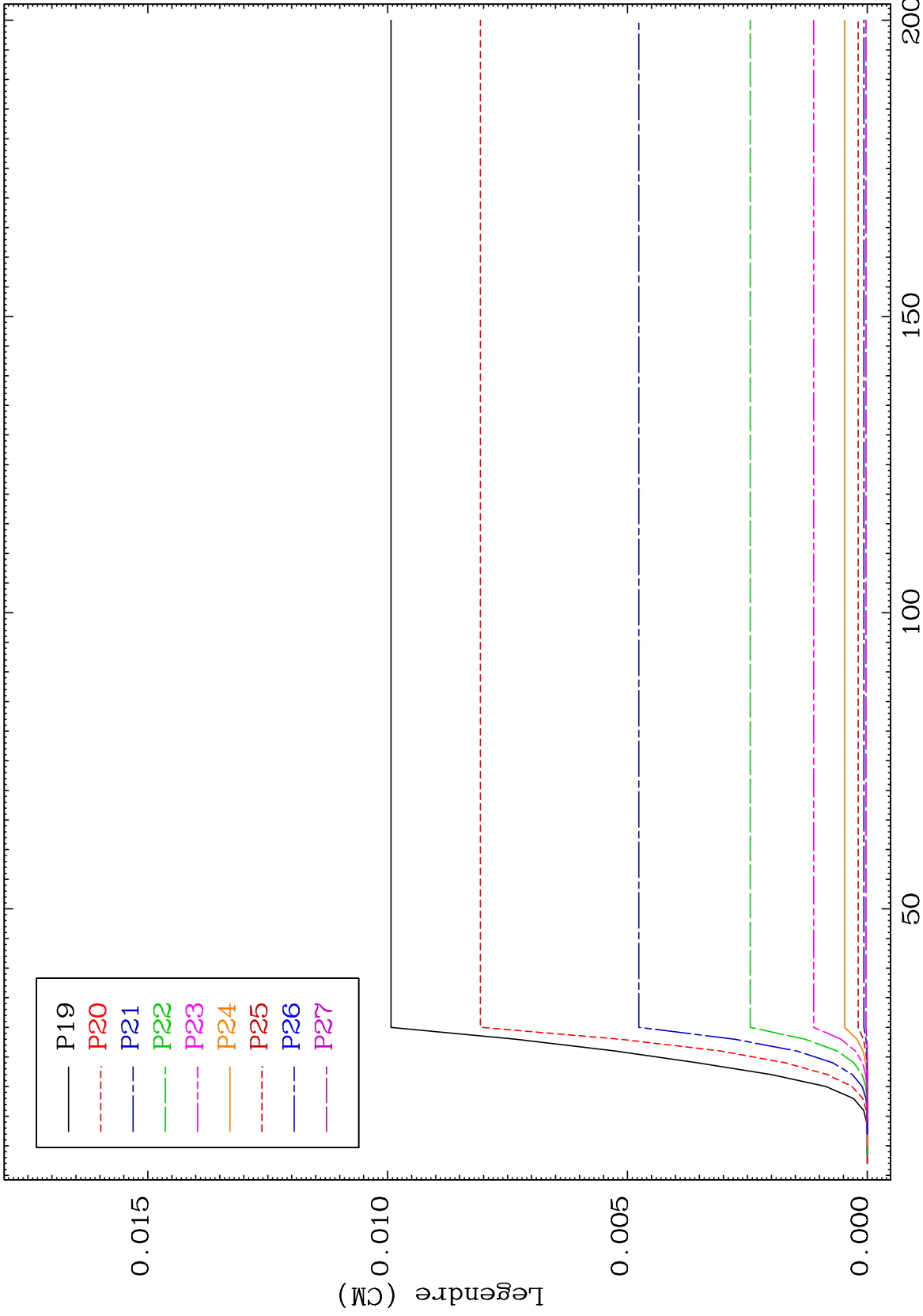
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



54

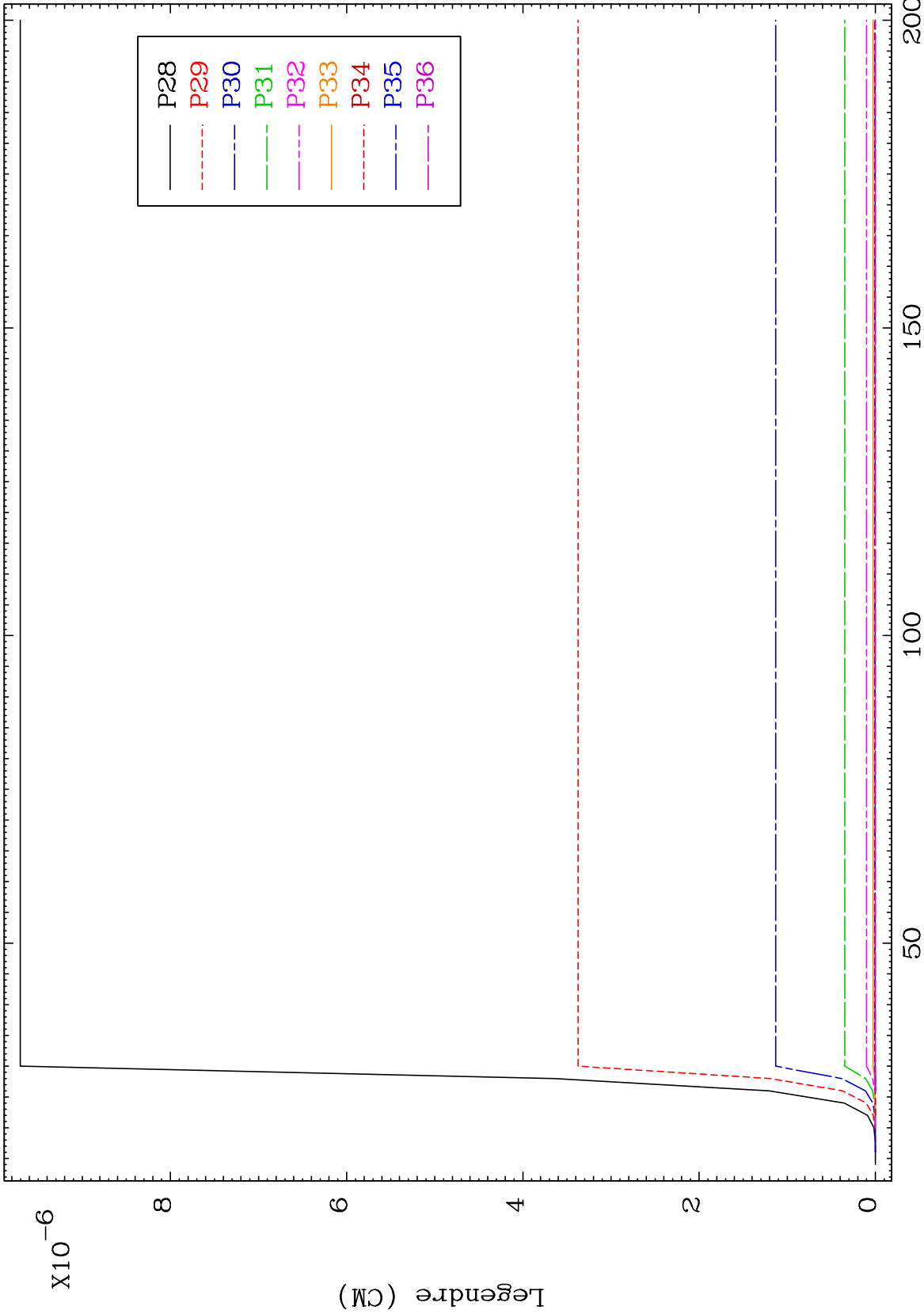
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



55

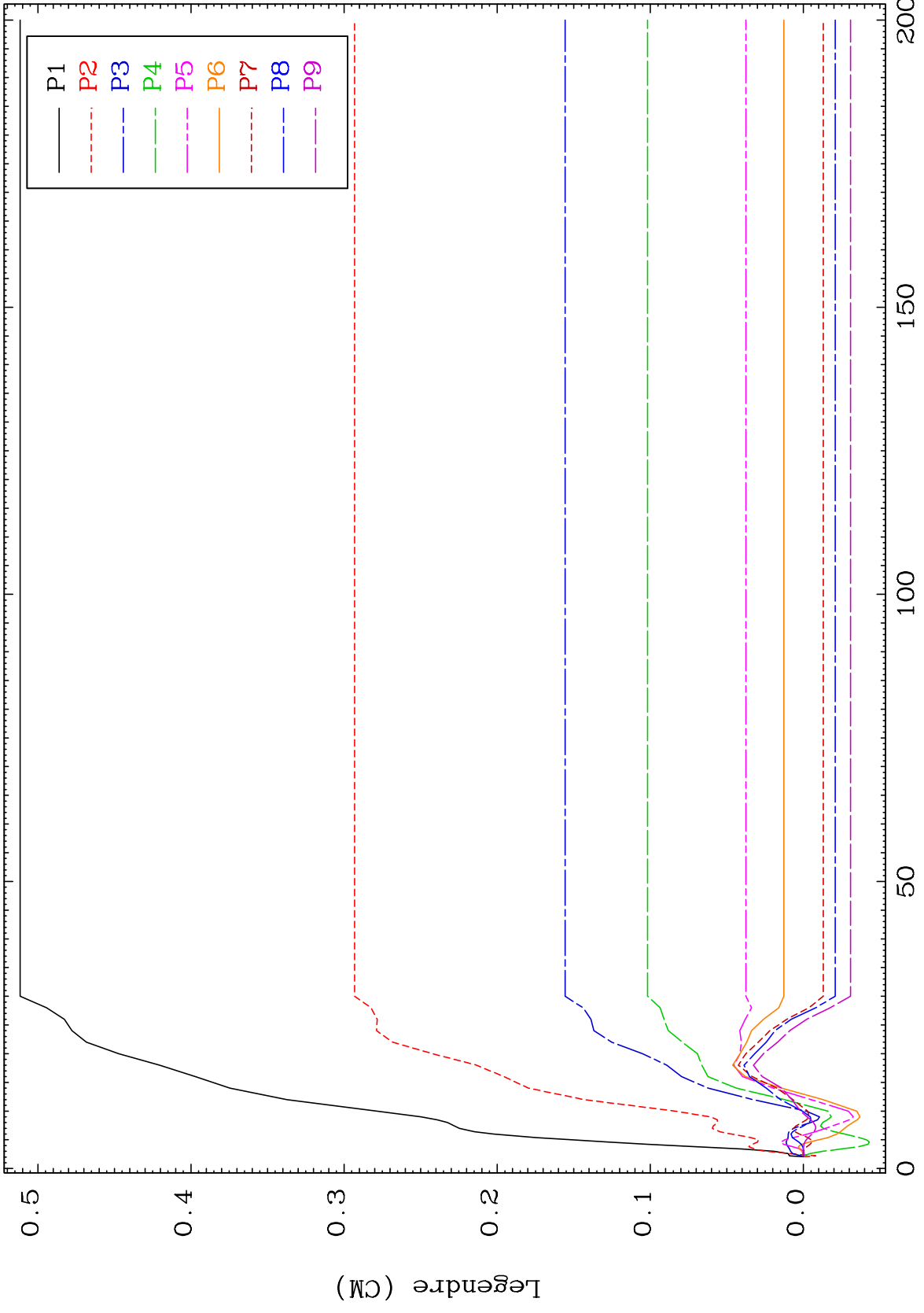
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



56

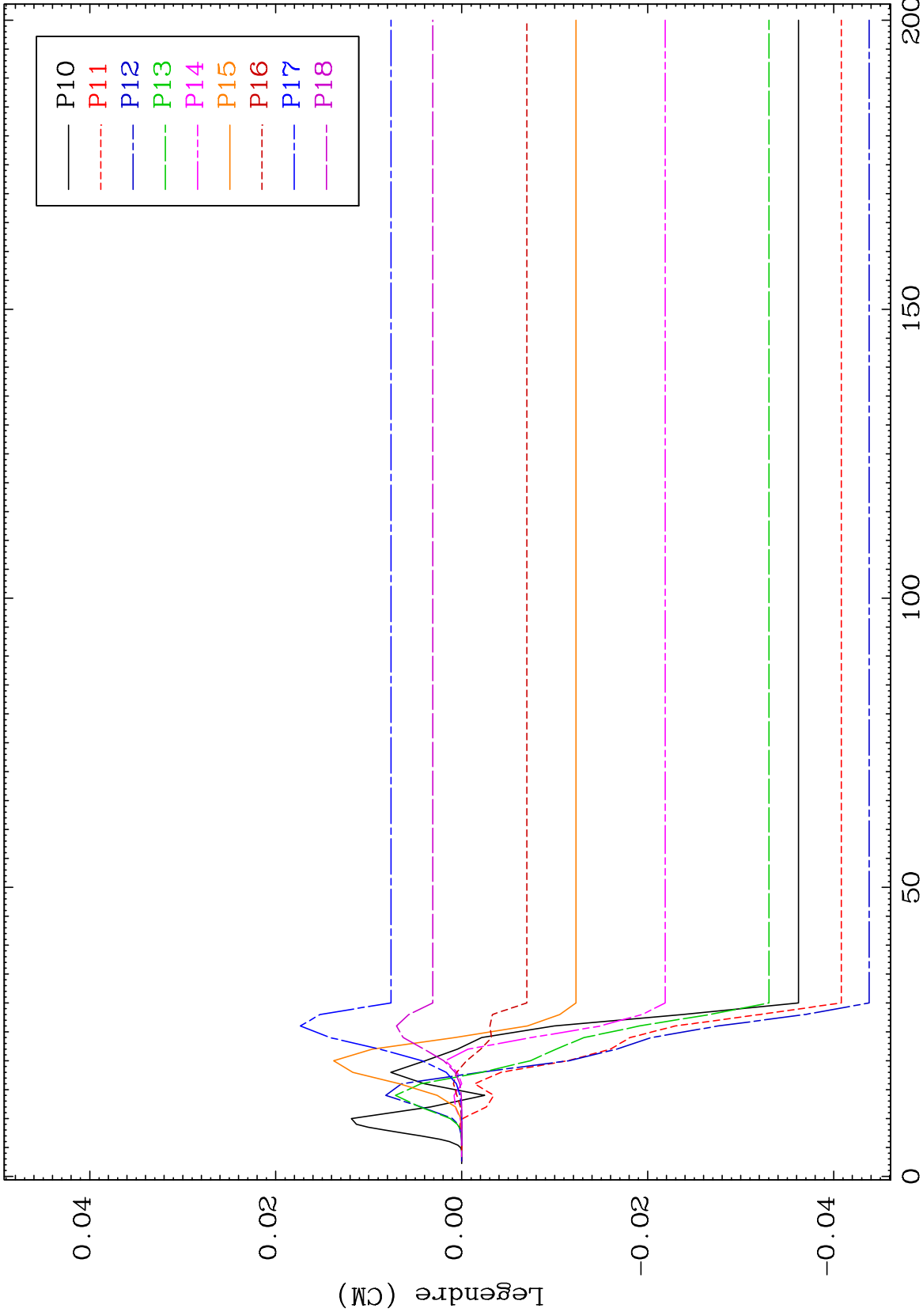
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



57

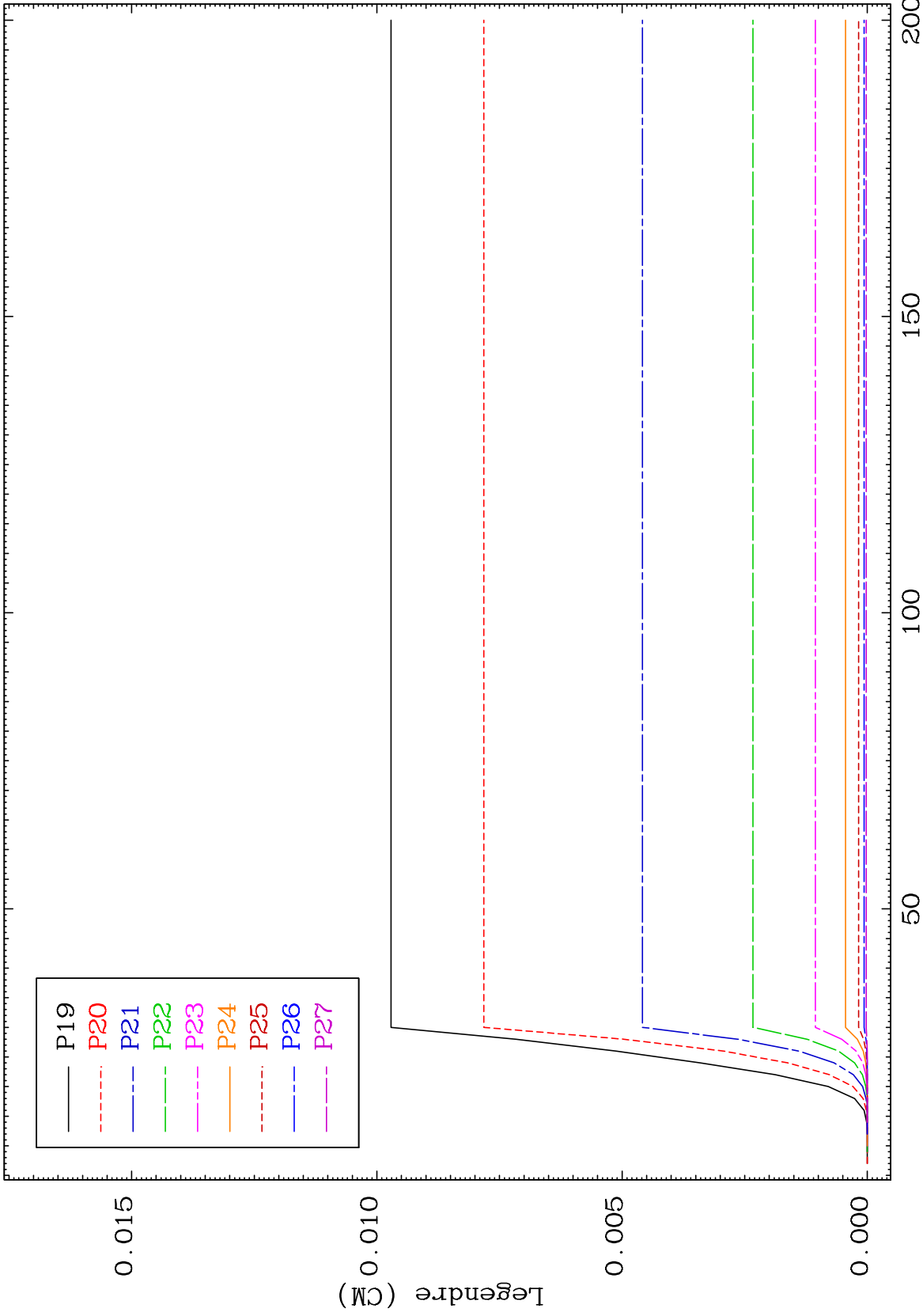
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



58

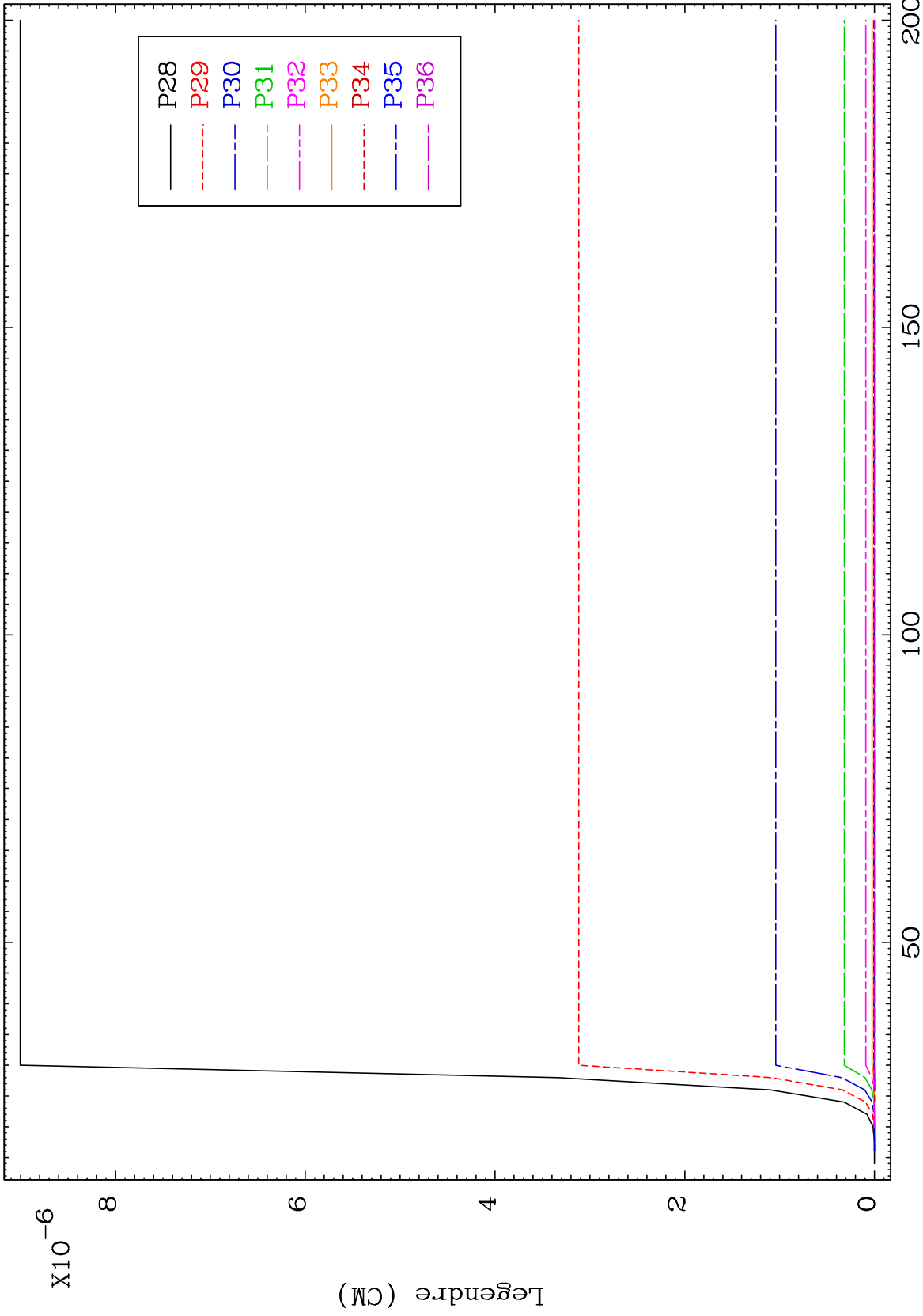
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



59

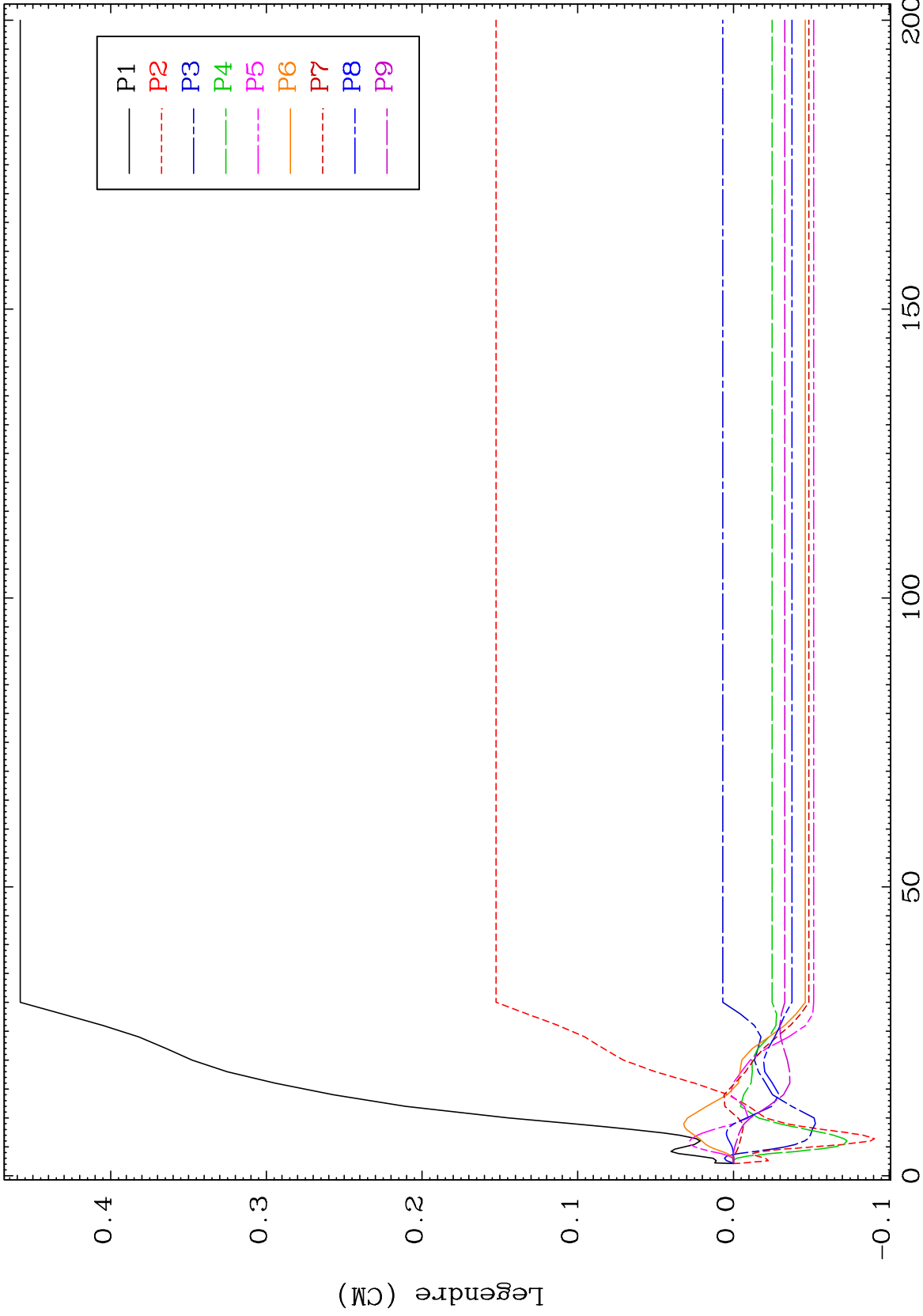
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



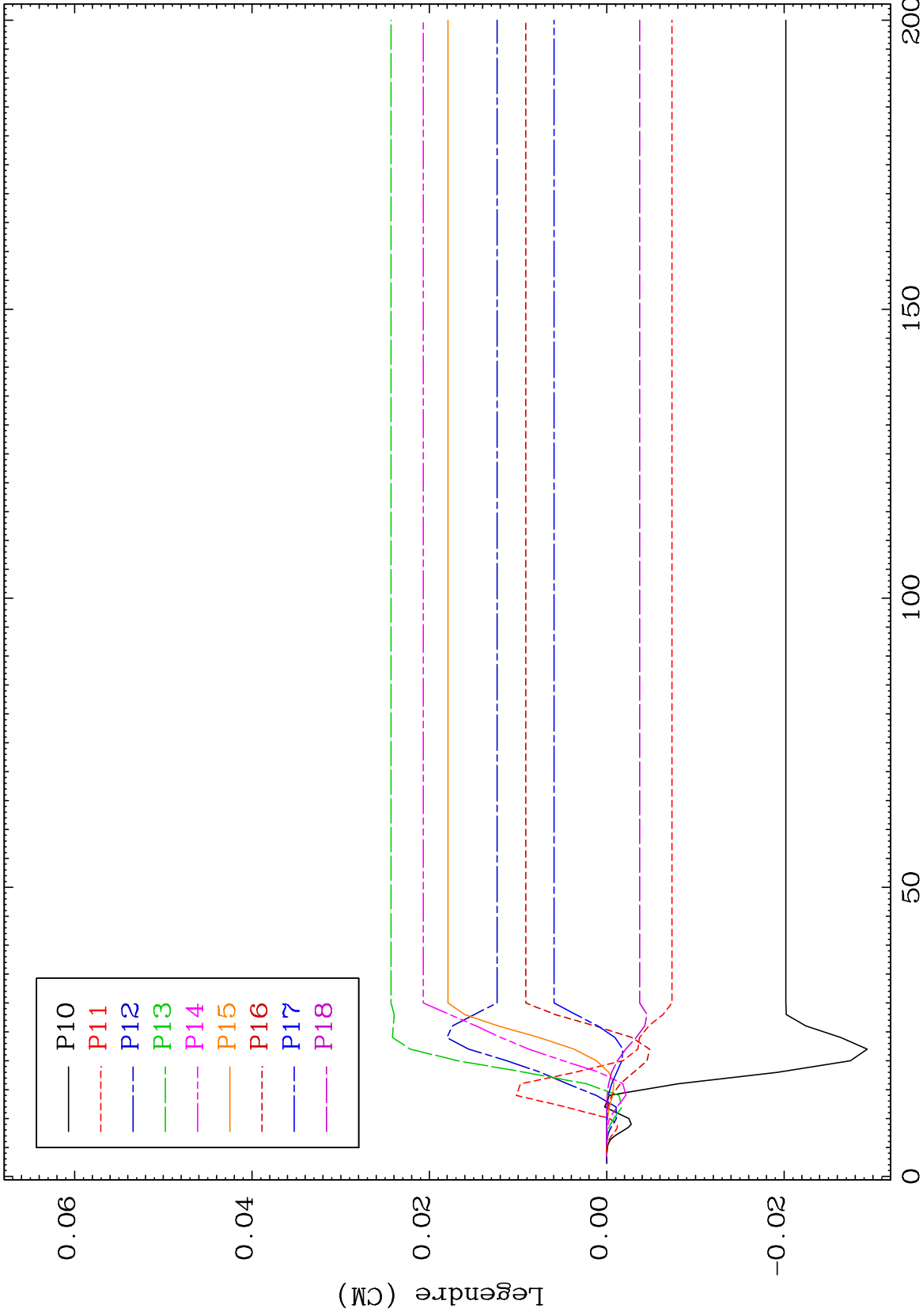
68-Er-151

Incident Energy (MeV)

MAT 6792

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

68-Er-151



61

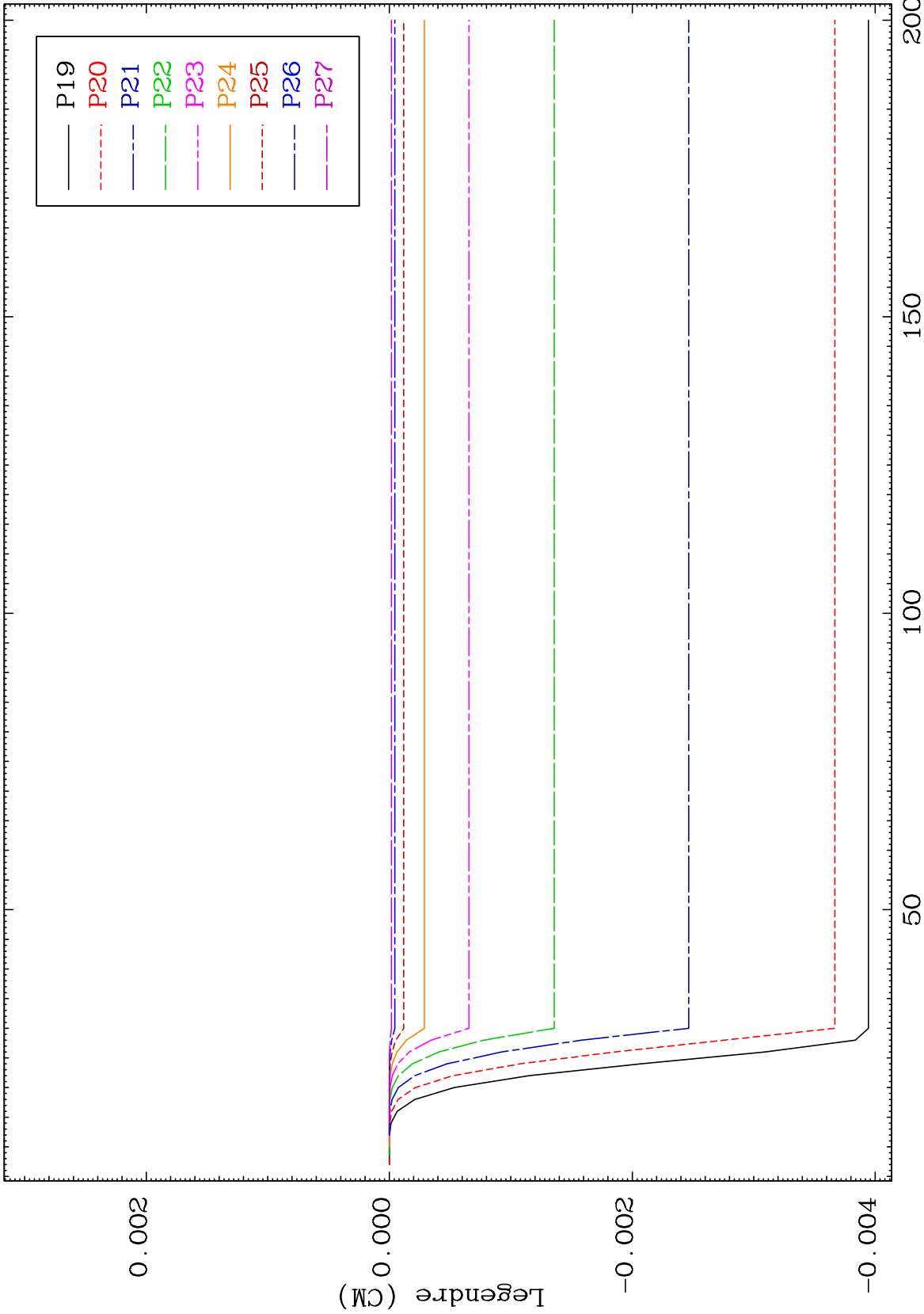
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



62

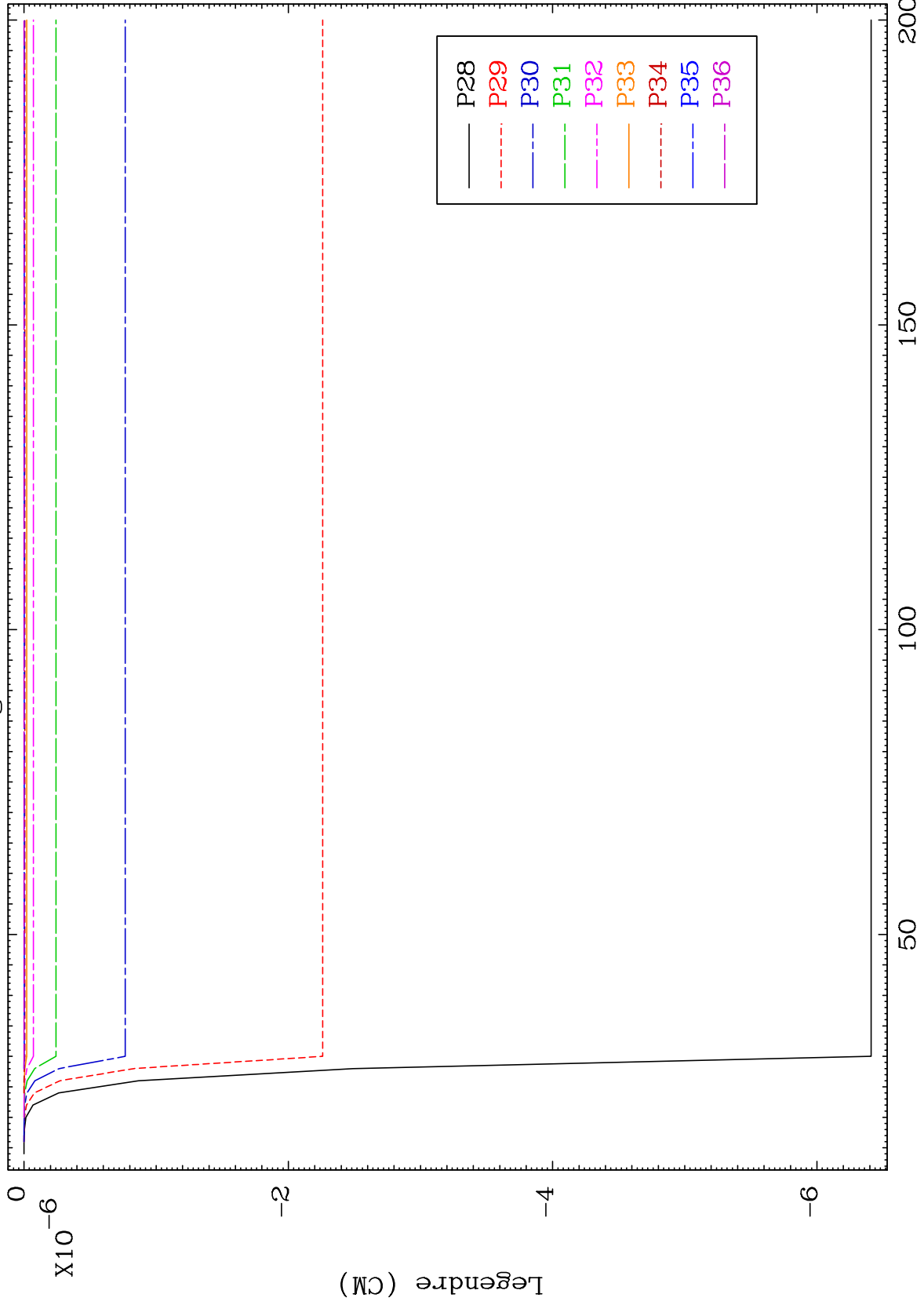
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



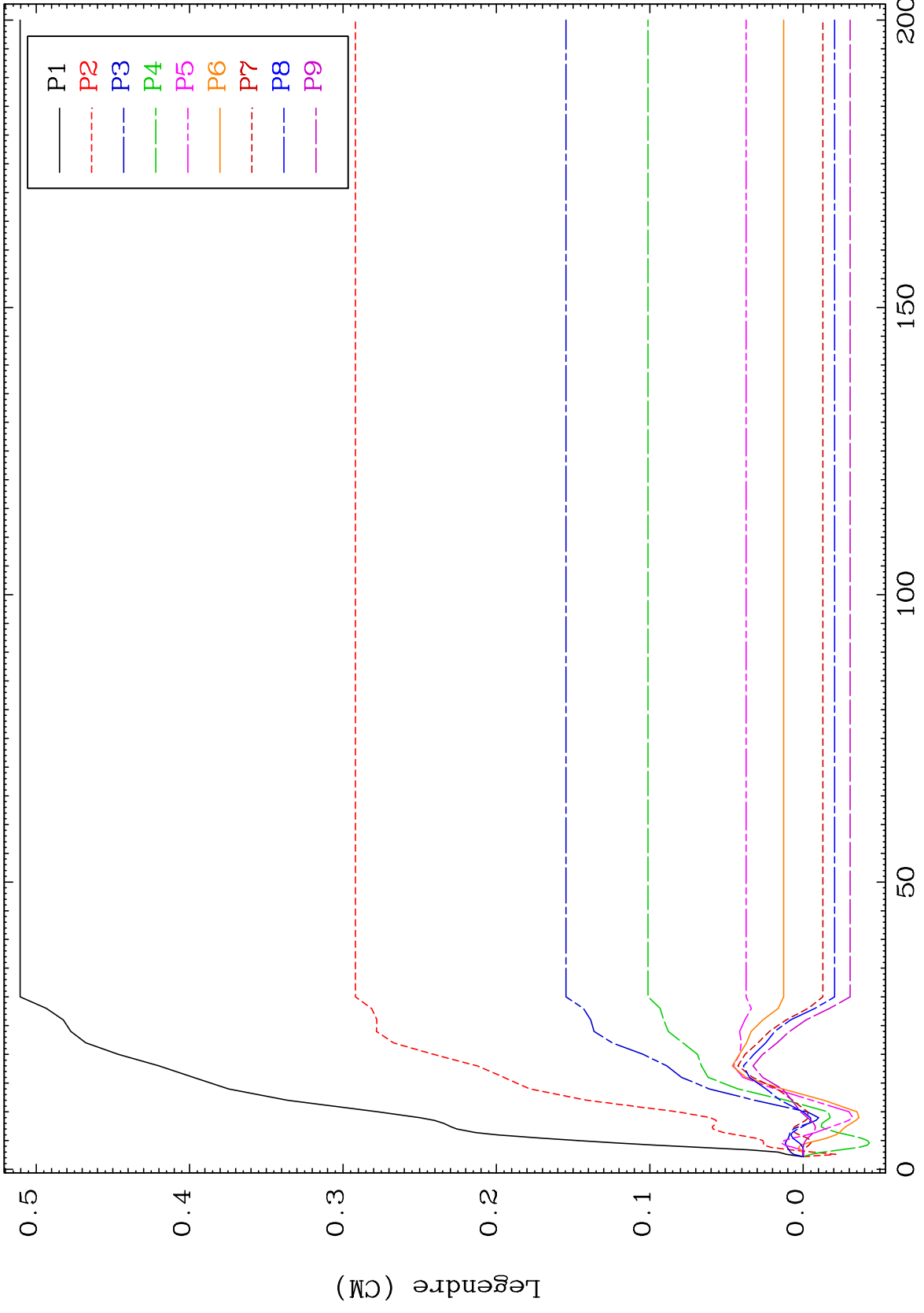
63

68-Er-151

MAT 6792

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

68-Er-151



64

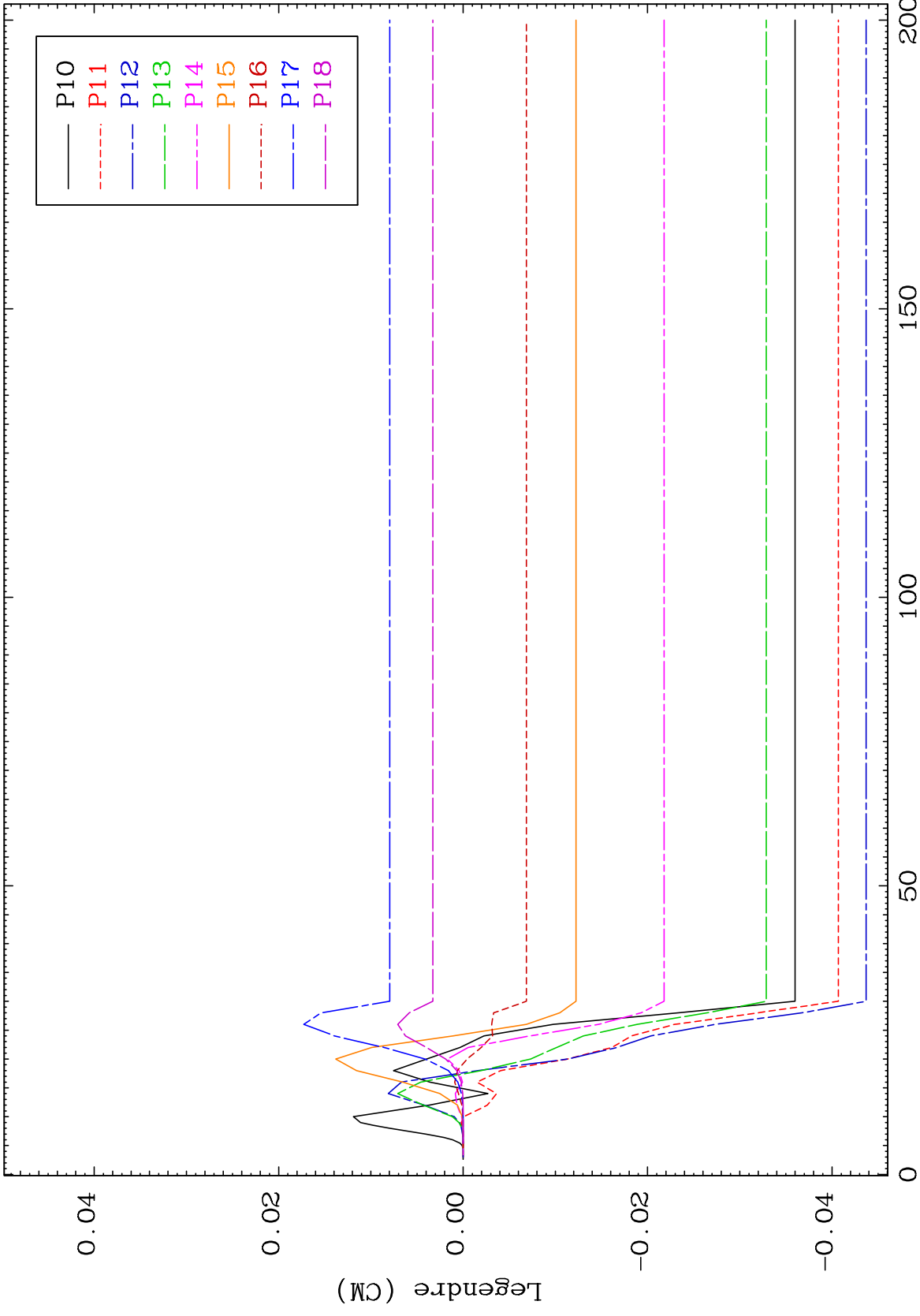
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



65

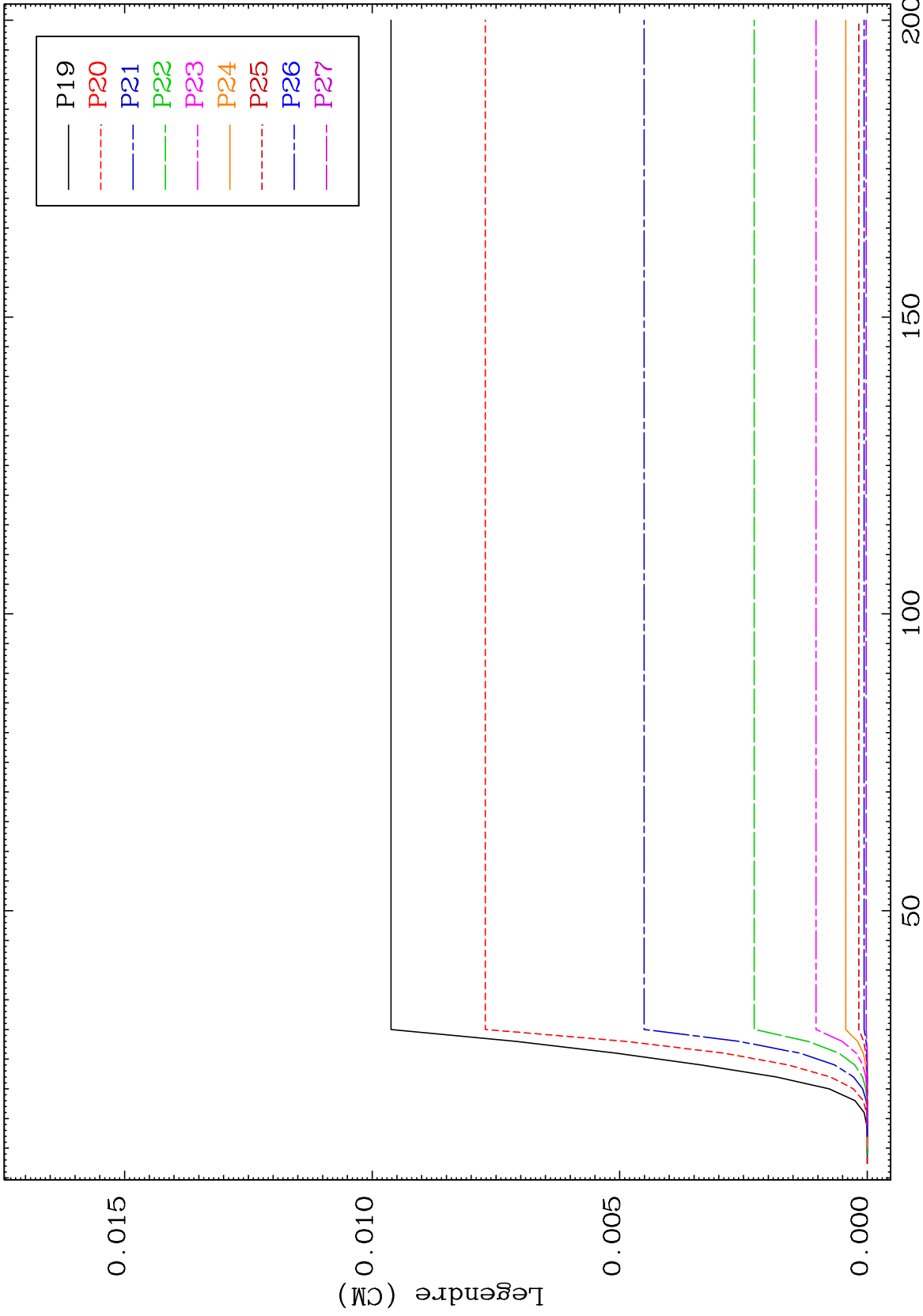
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



66

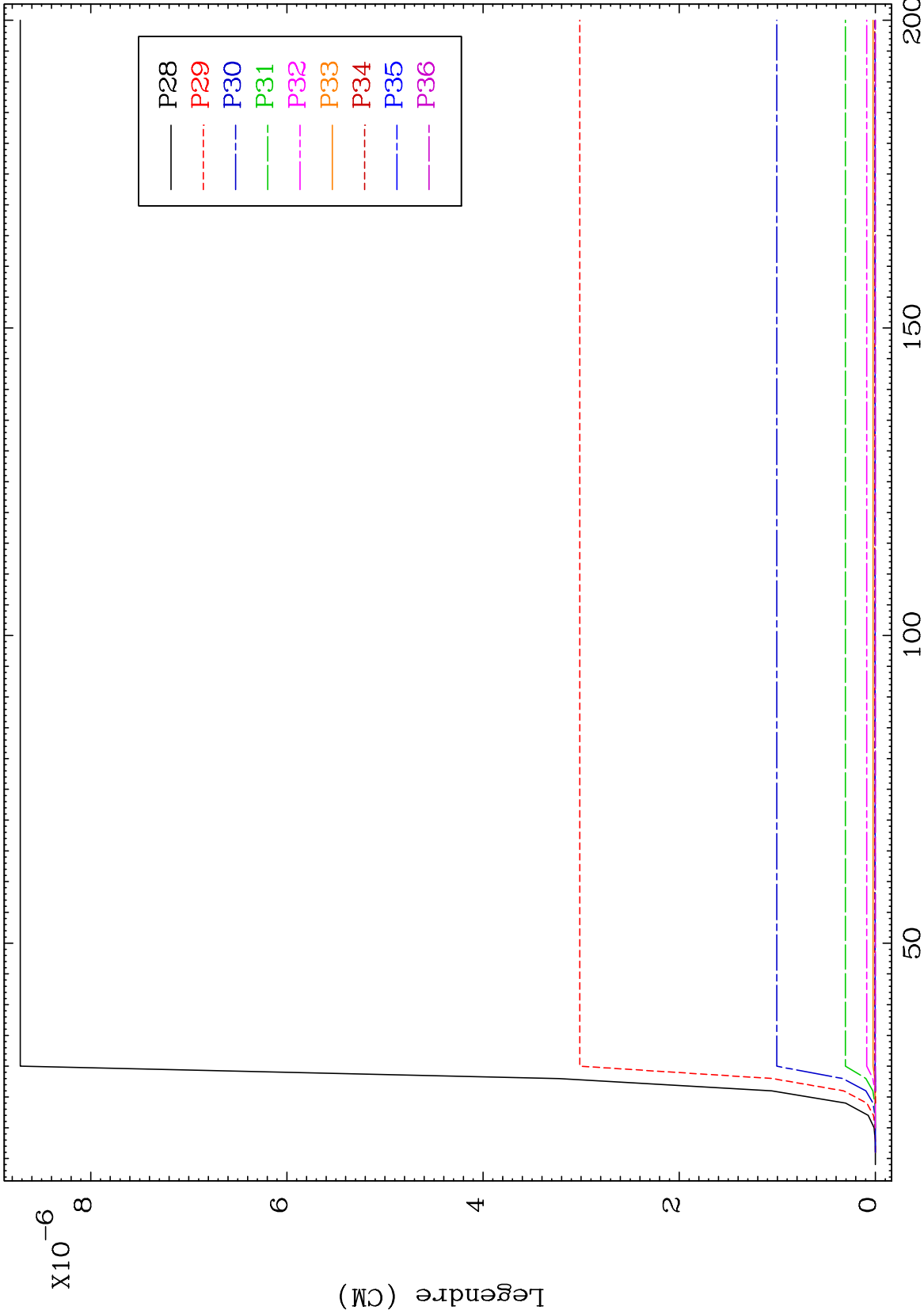
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



67

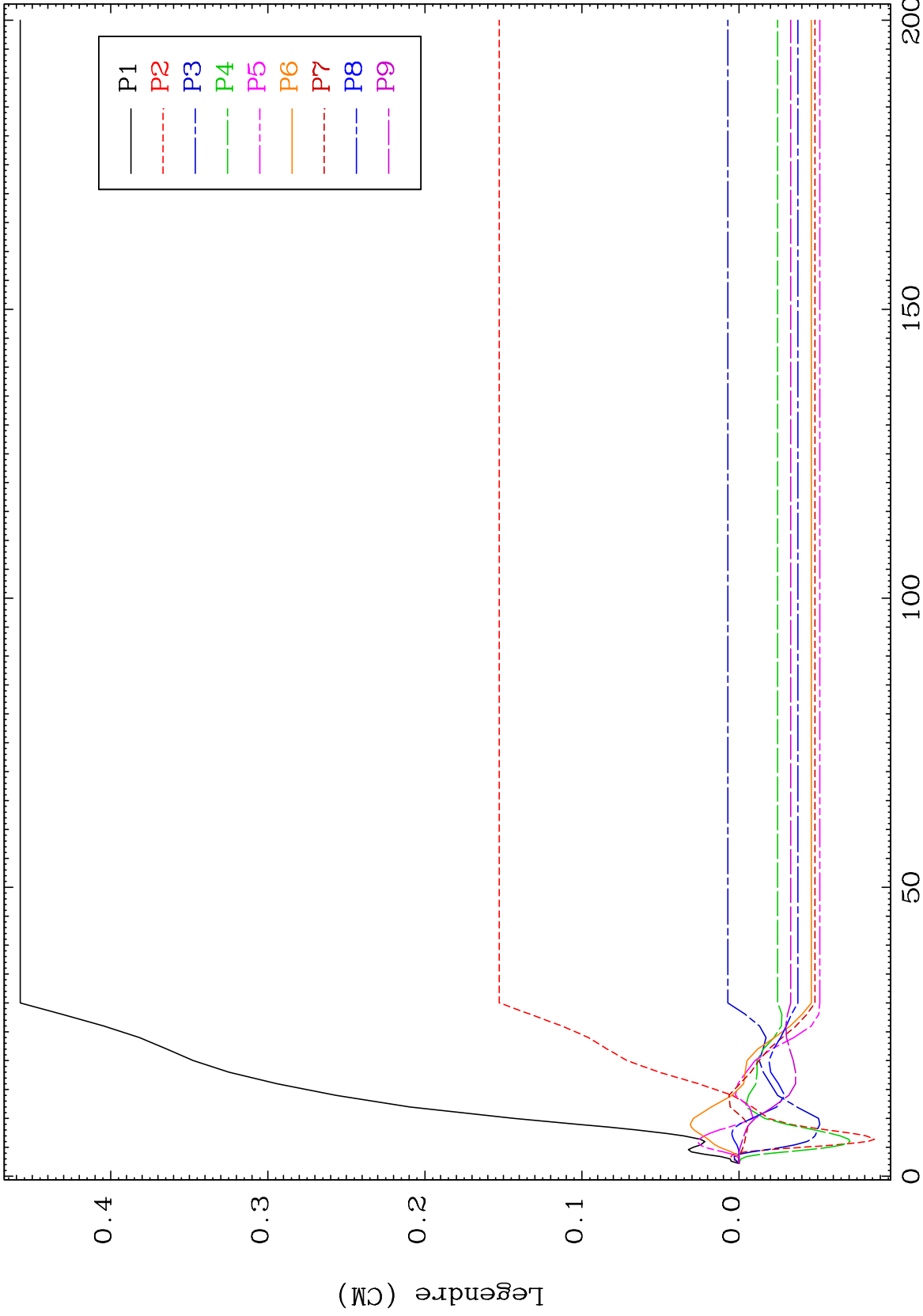
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68

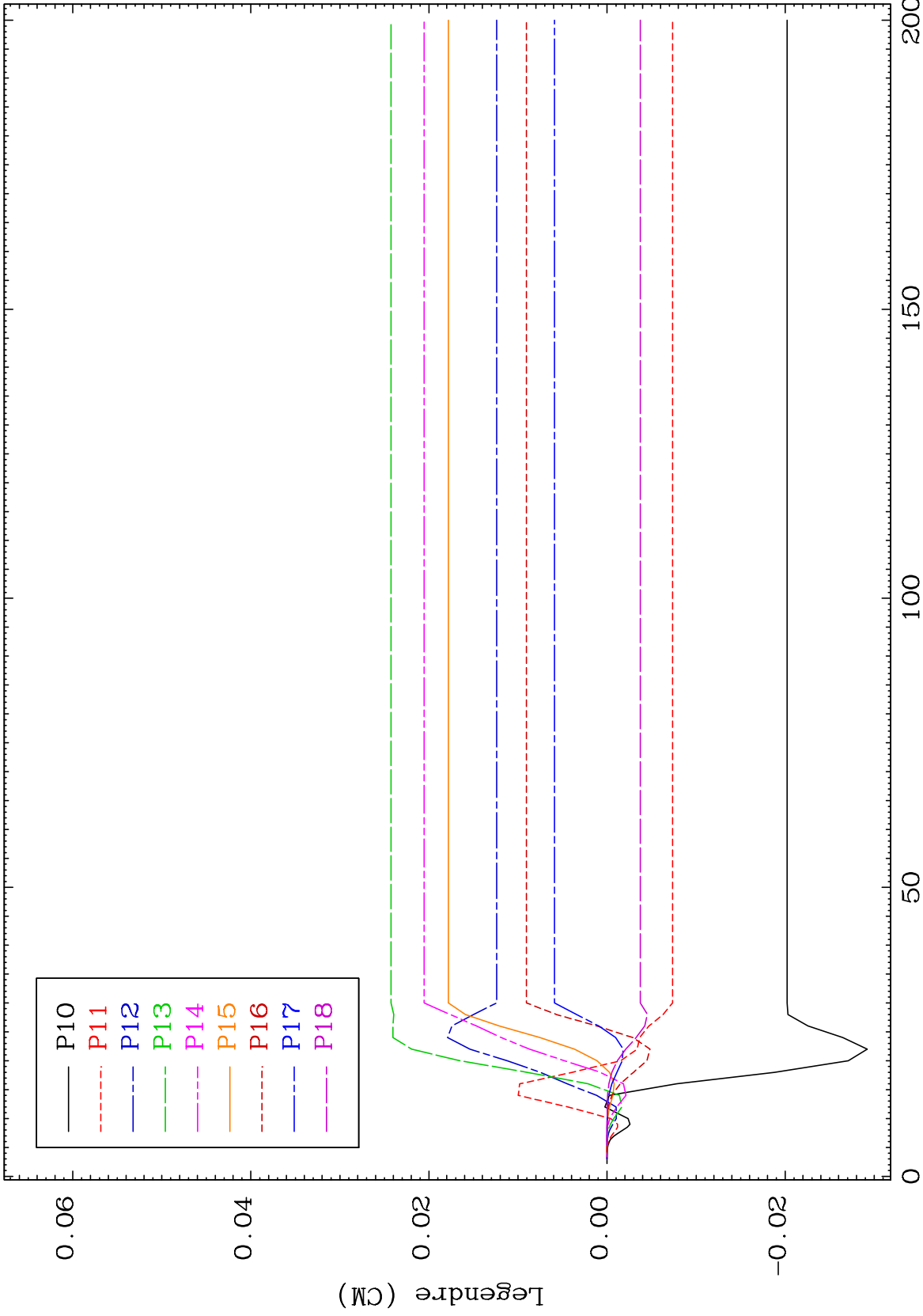
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



69

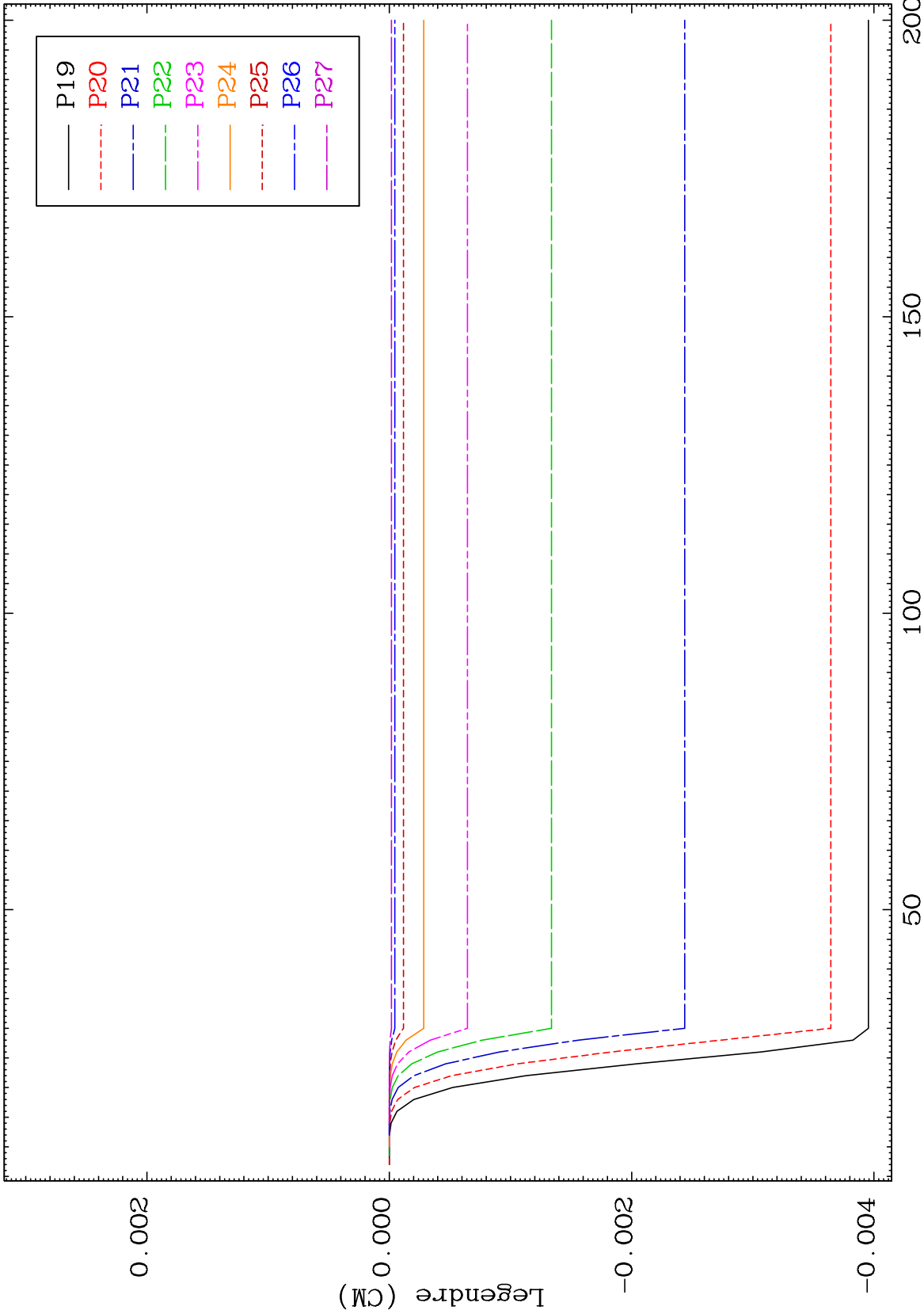
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



70

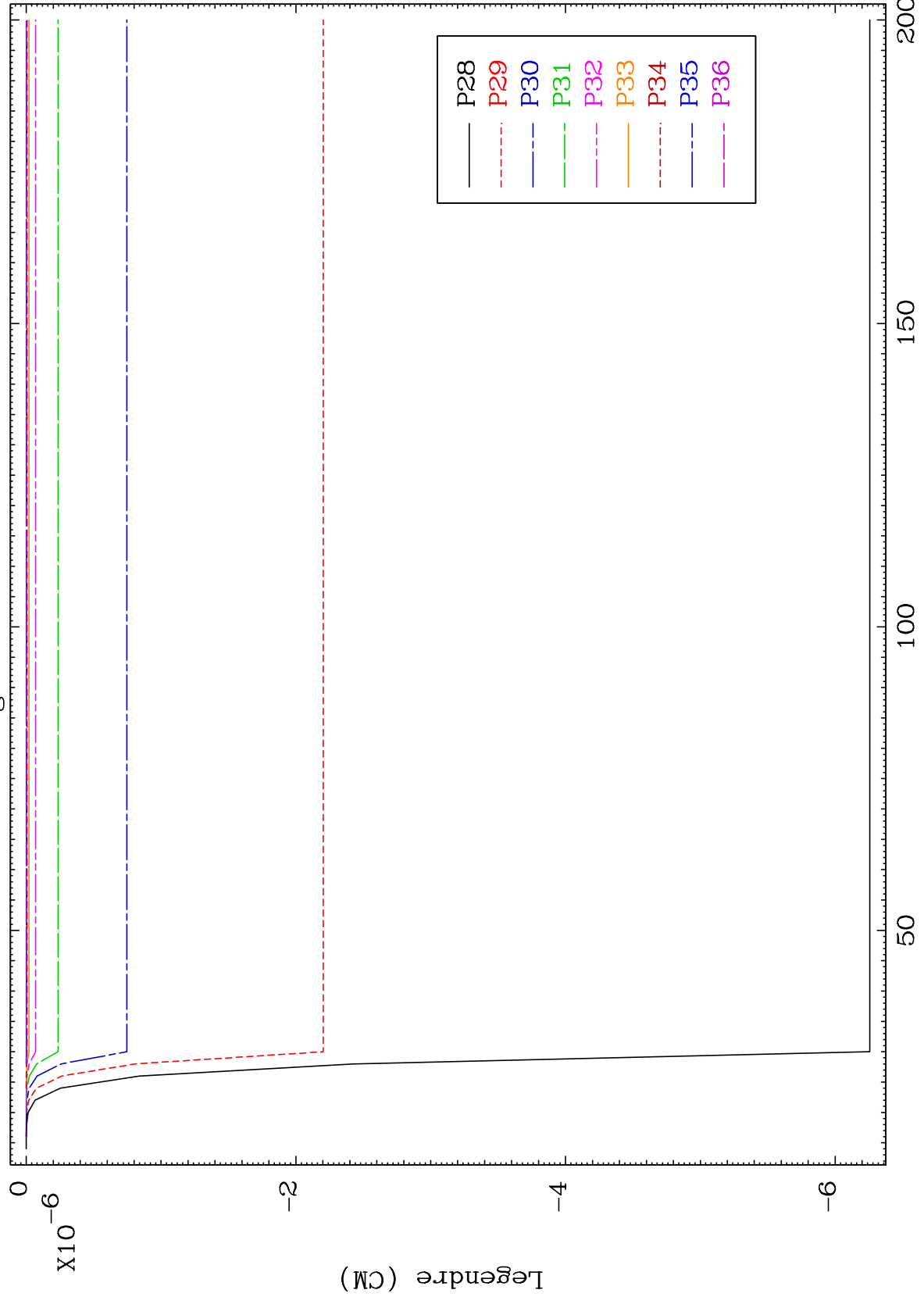
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

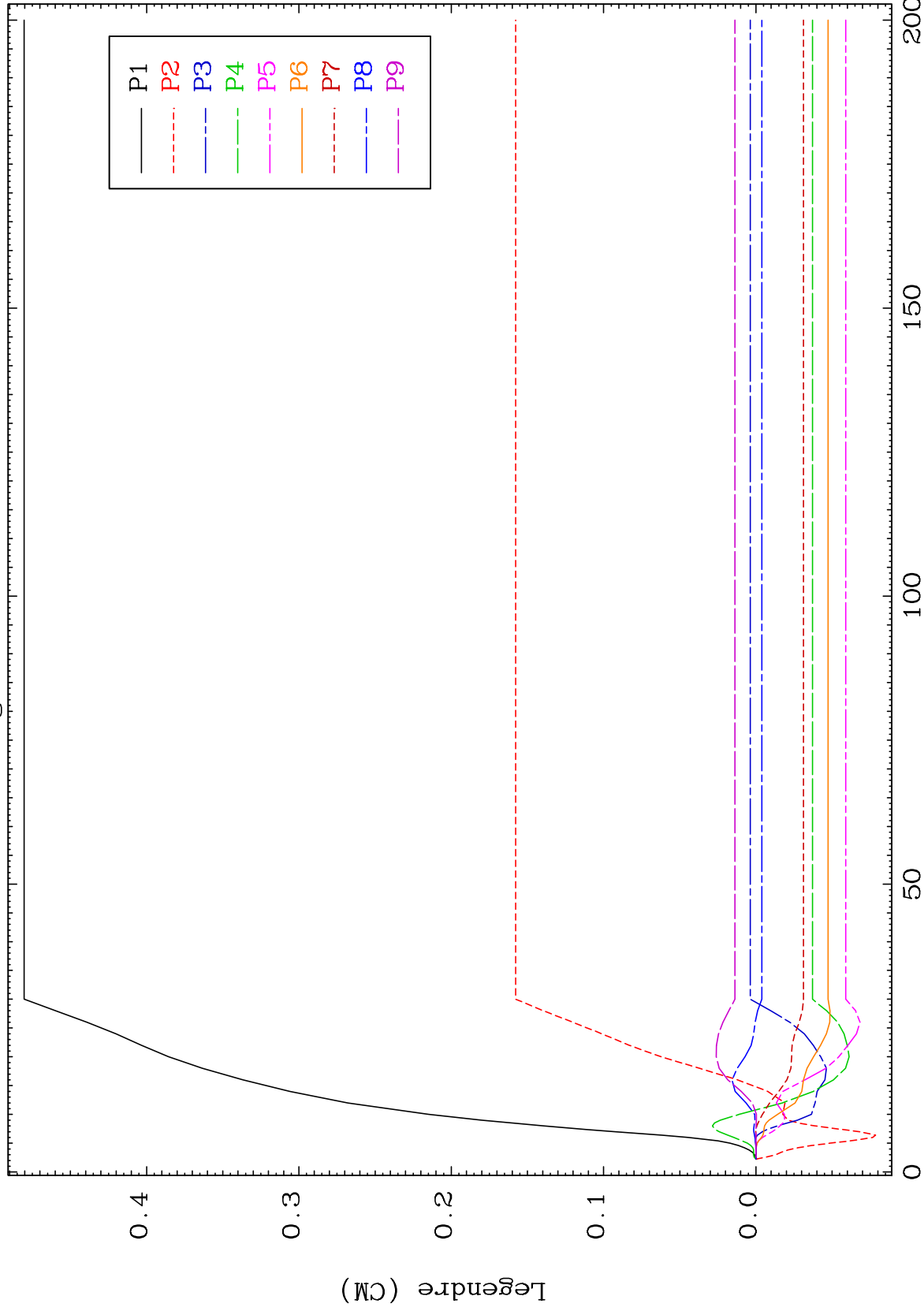
Incident Energy (MeV)

71

MAT 6792

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

68-Er-151



72

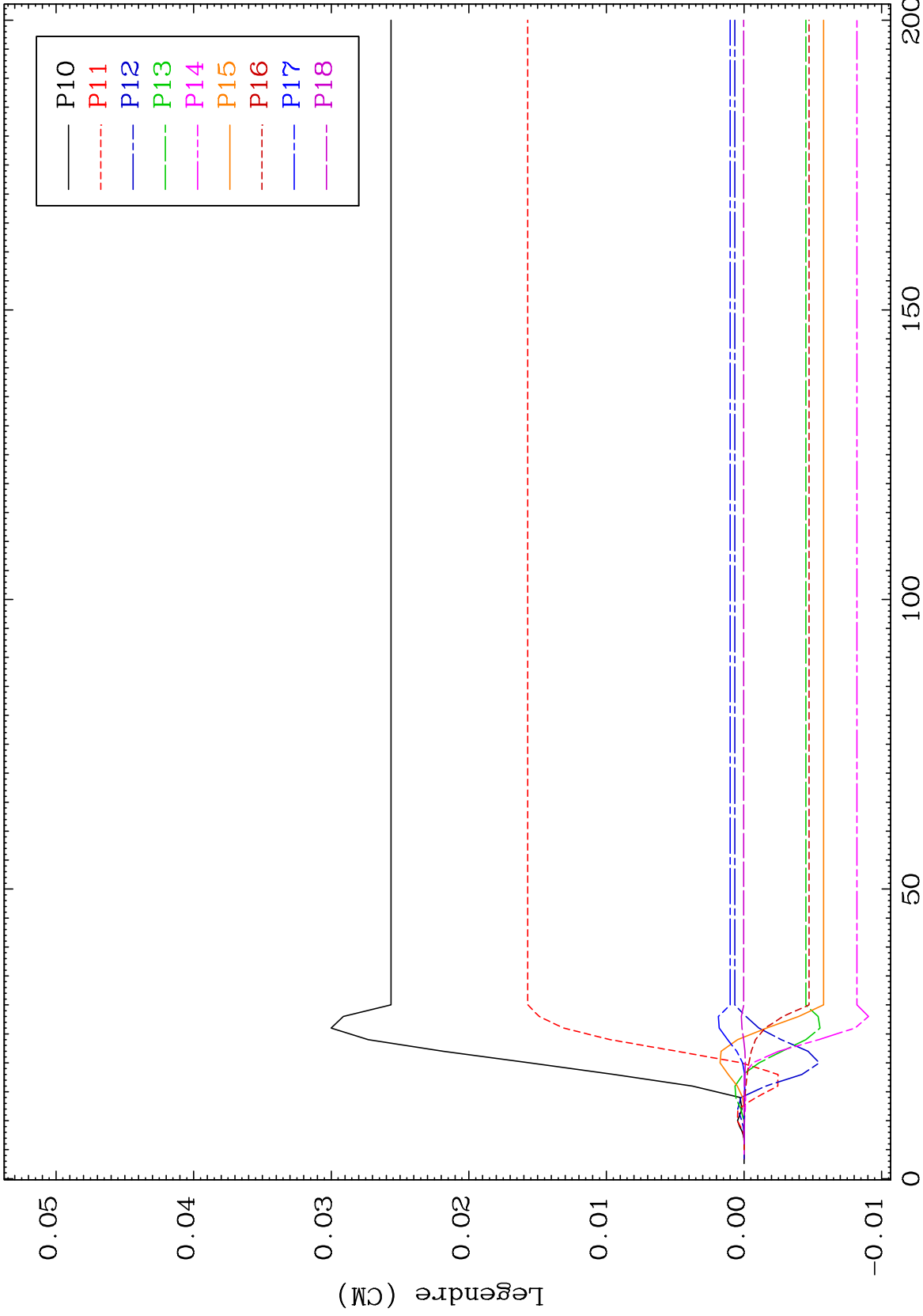
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



73

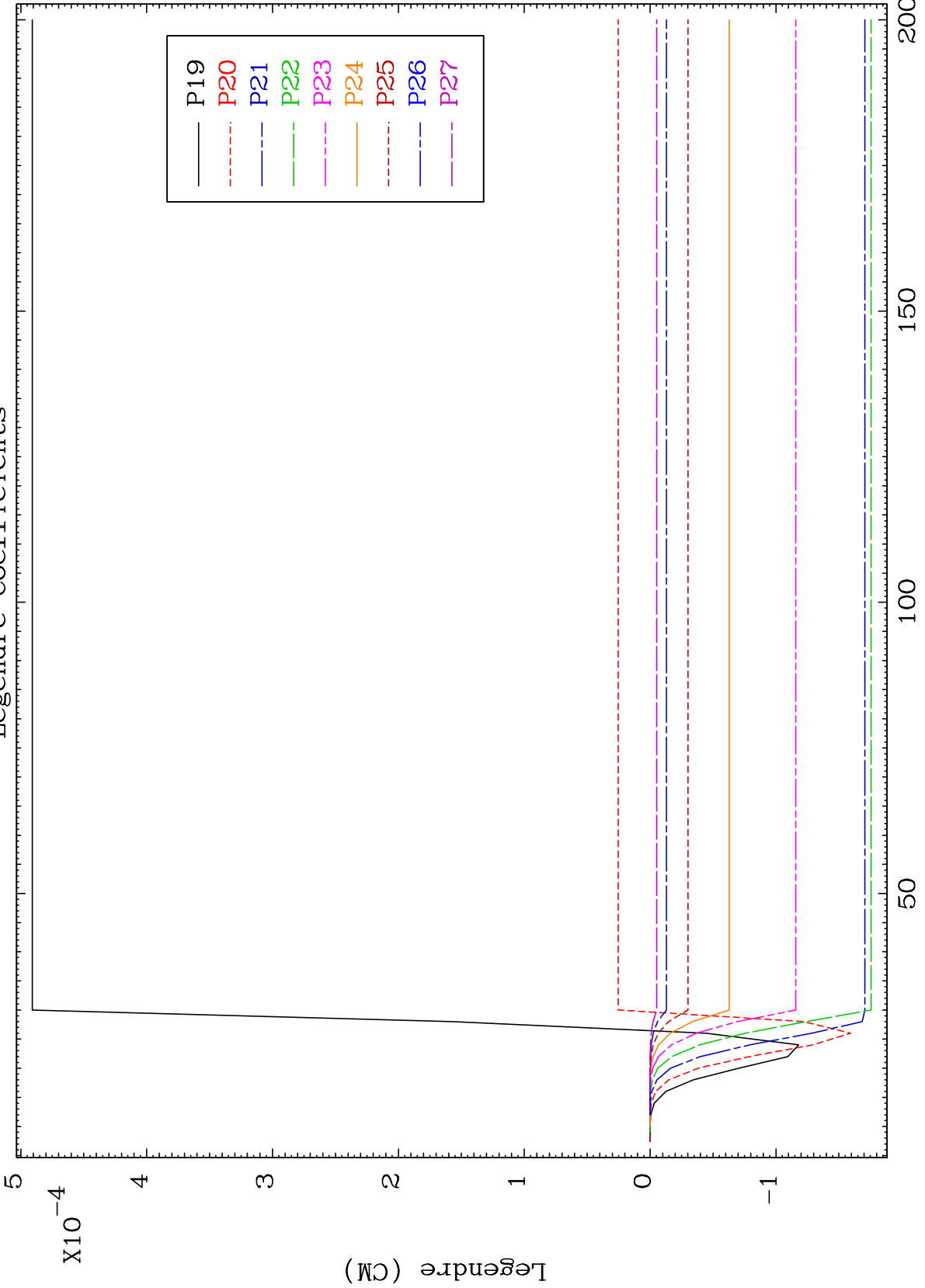
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



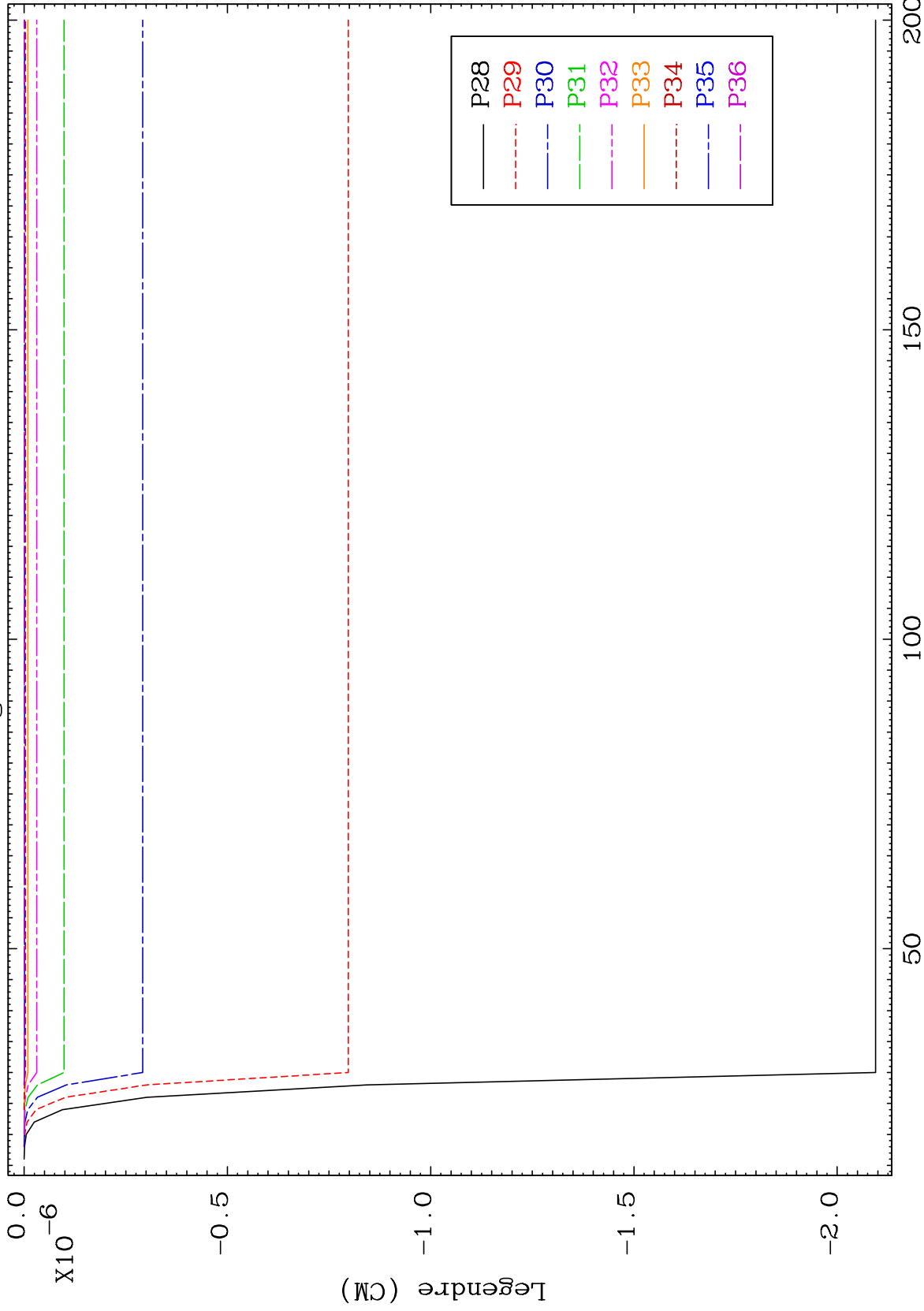
74

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

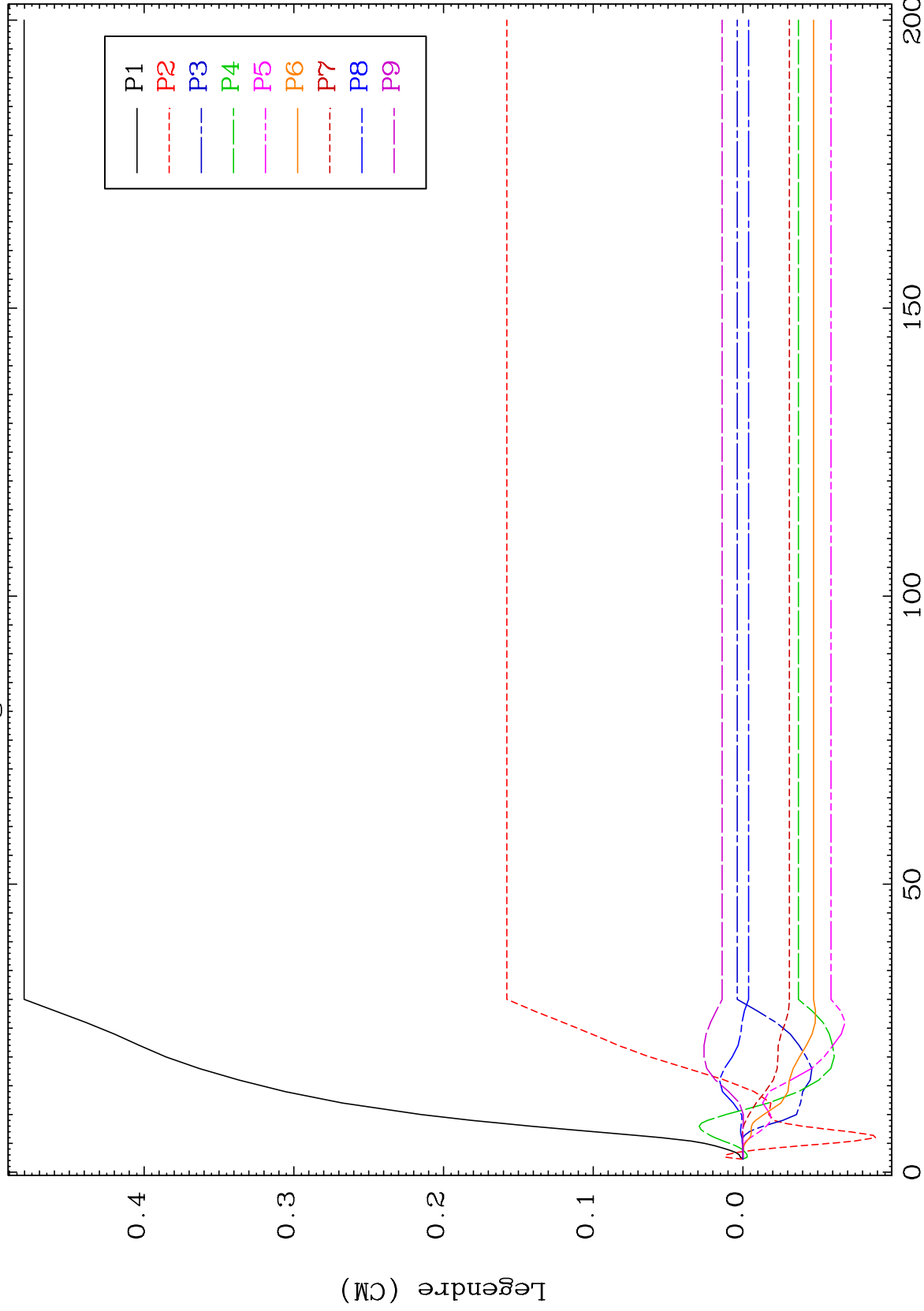
Incident Energy (MeV)

75

MAT 6792

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

68-Er-151



76

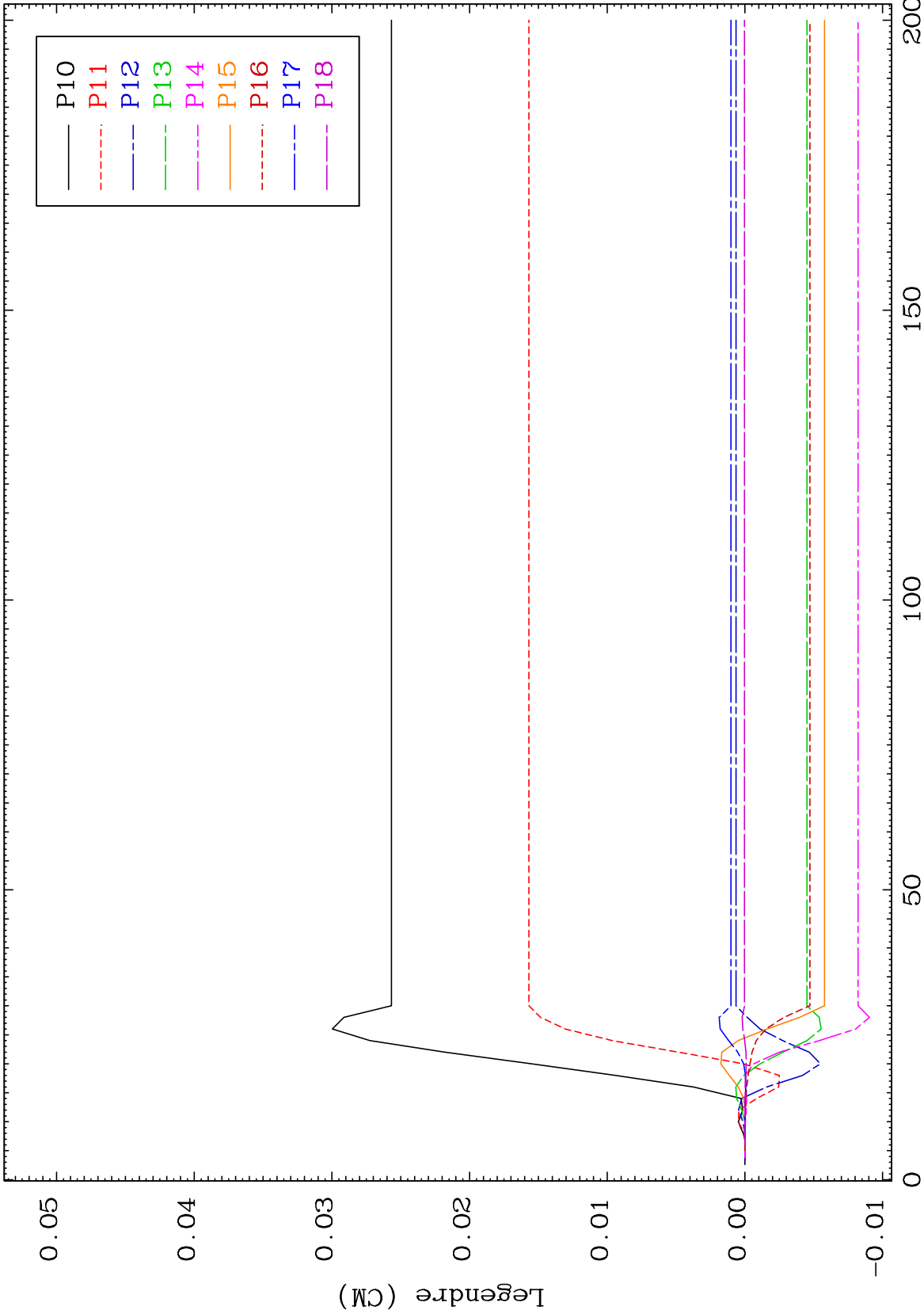
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



77

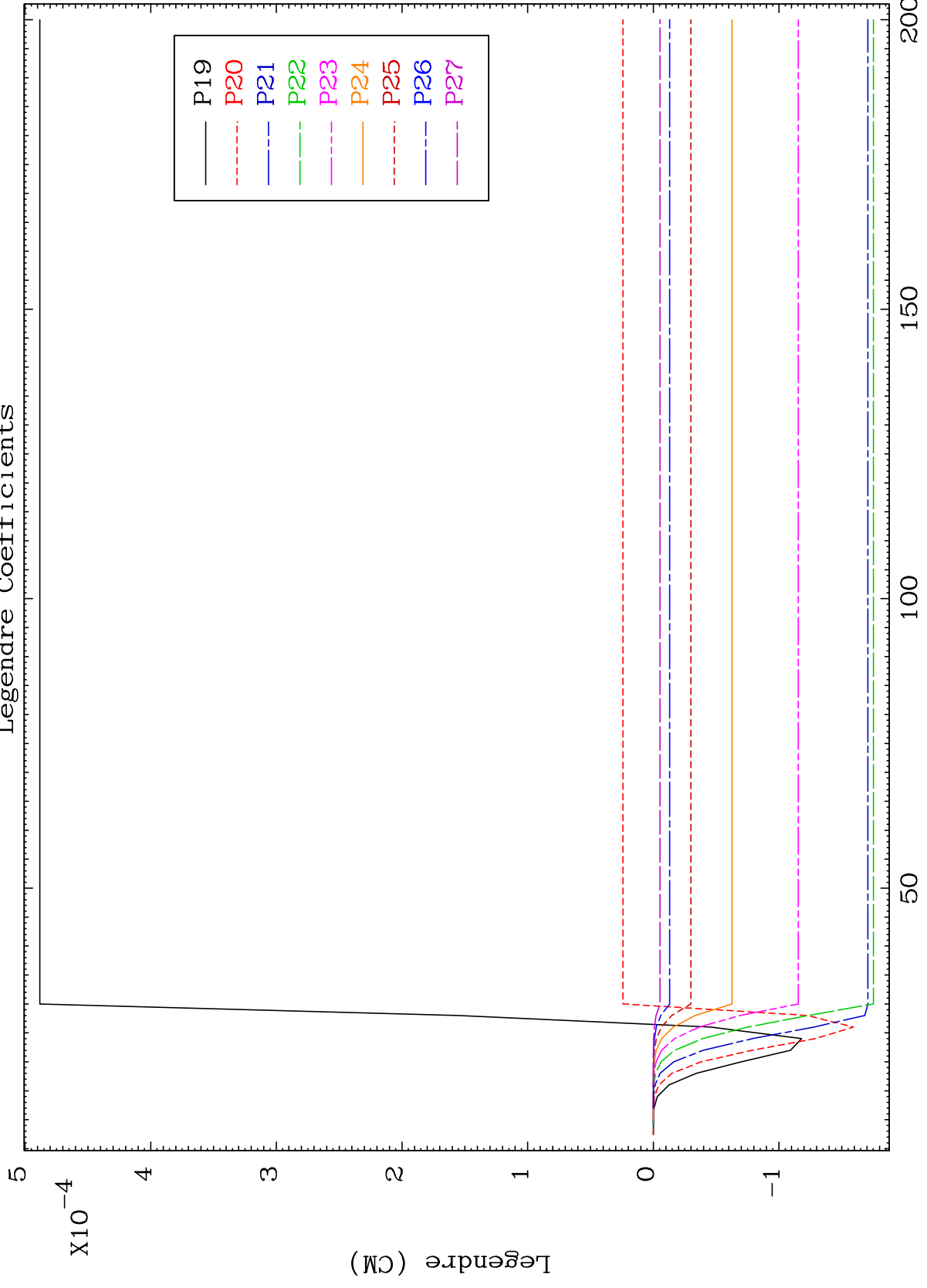
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



78

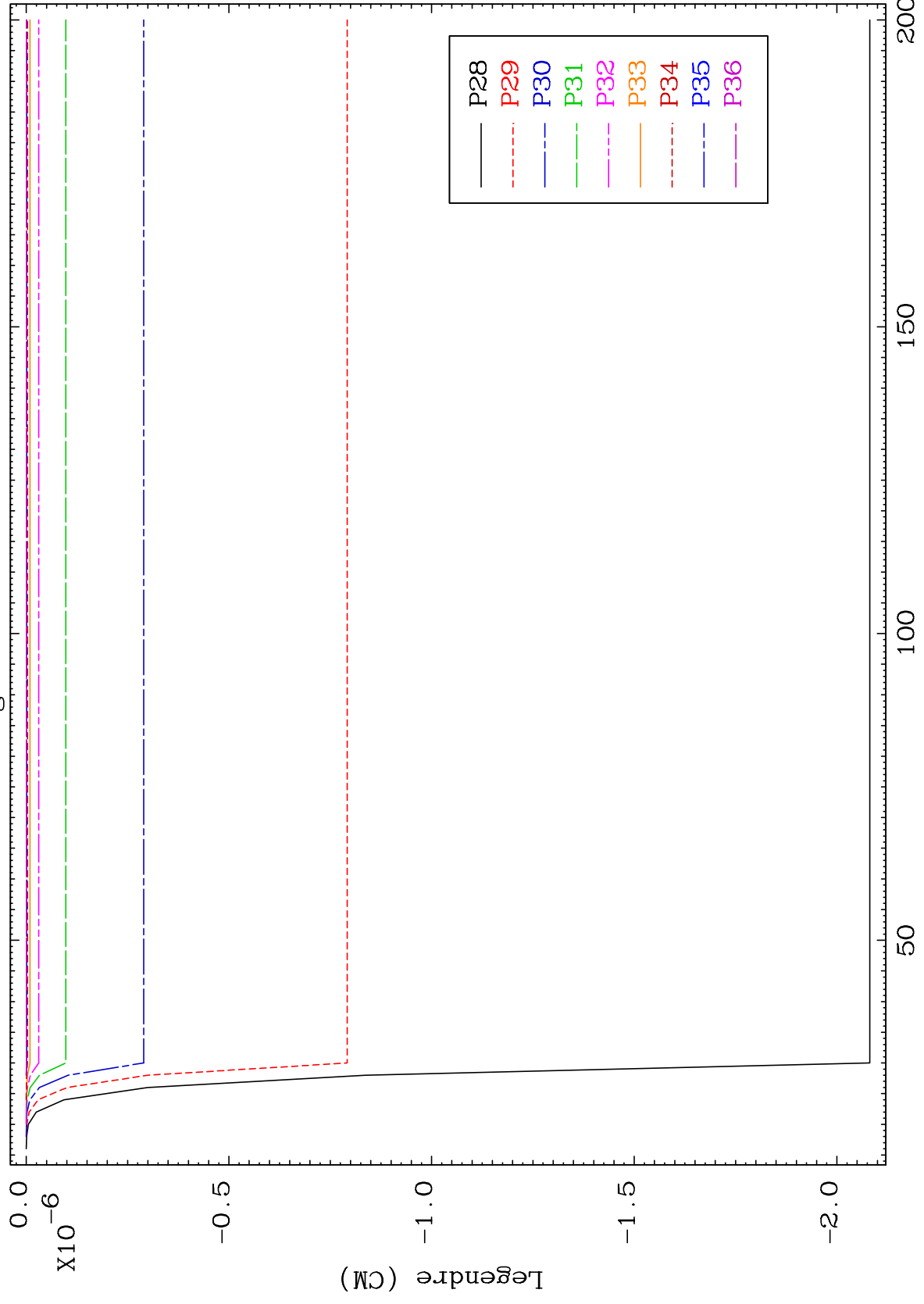
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

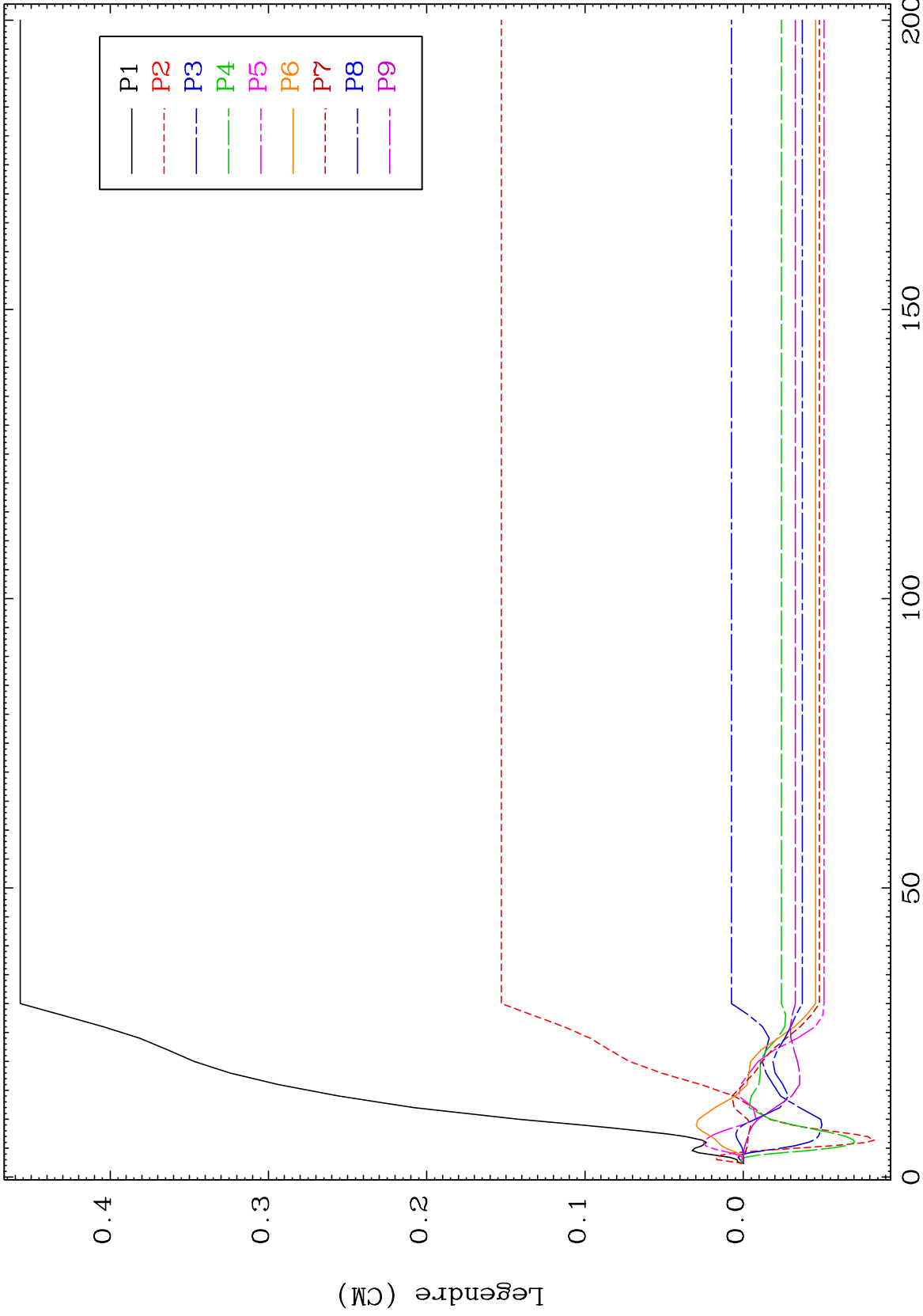
Incident Energy (MeV)

79

MAT 6792

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

68-Er-151



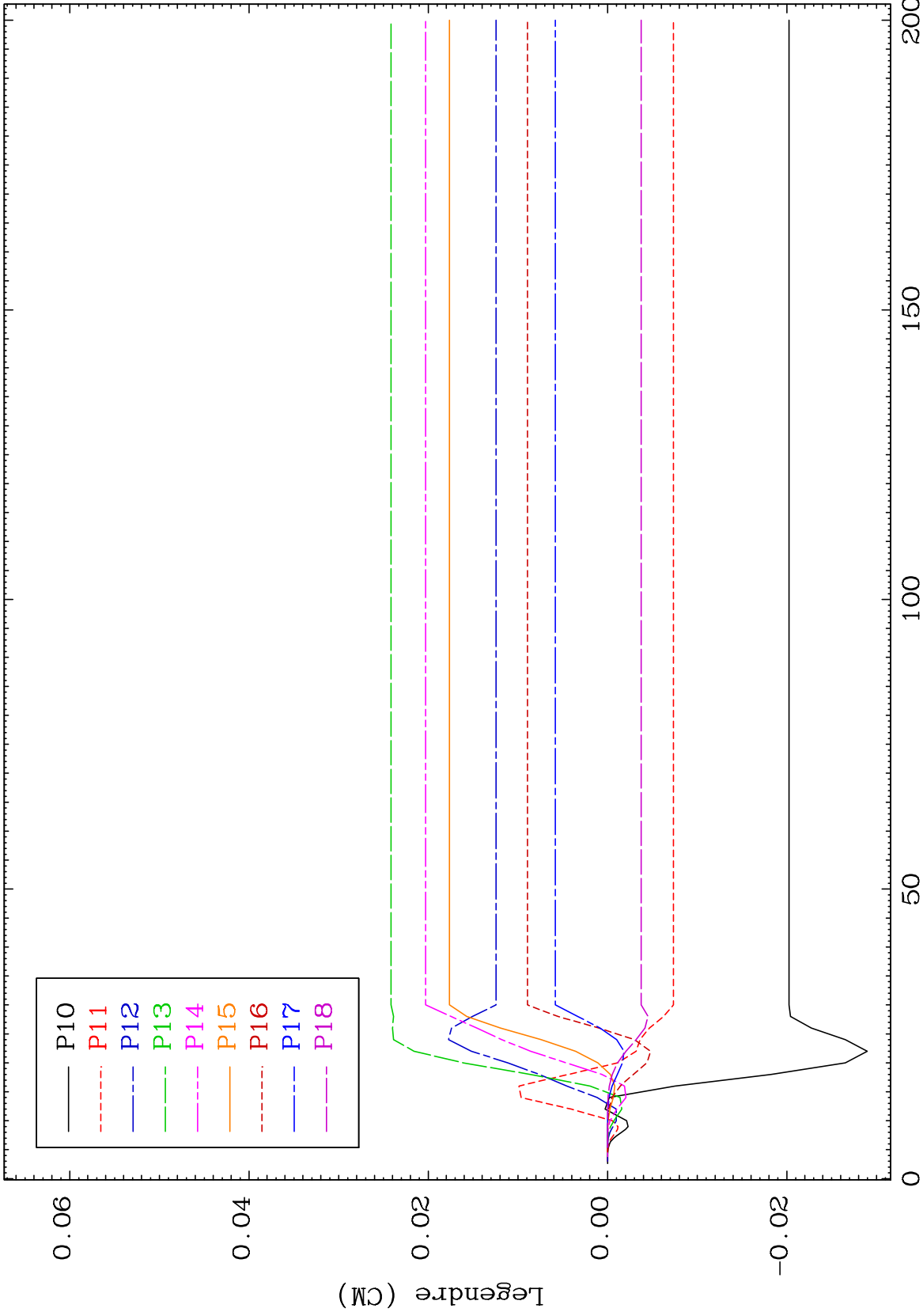
68-Er-151

Incident Energy (MeV)

MAT 6792

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

68-Er-151



81

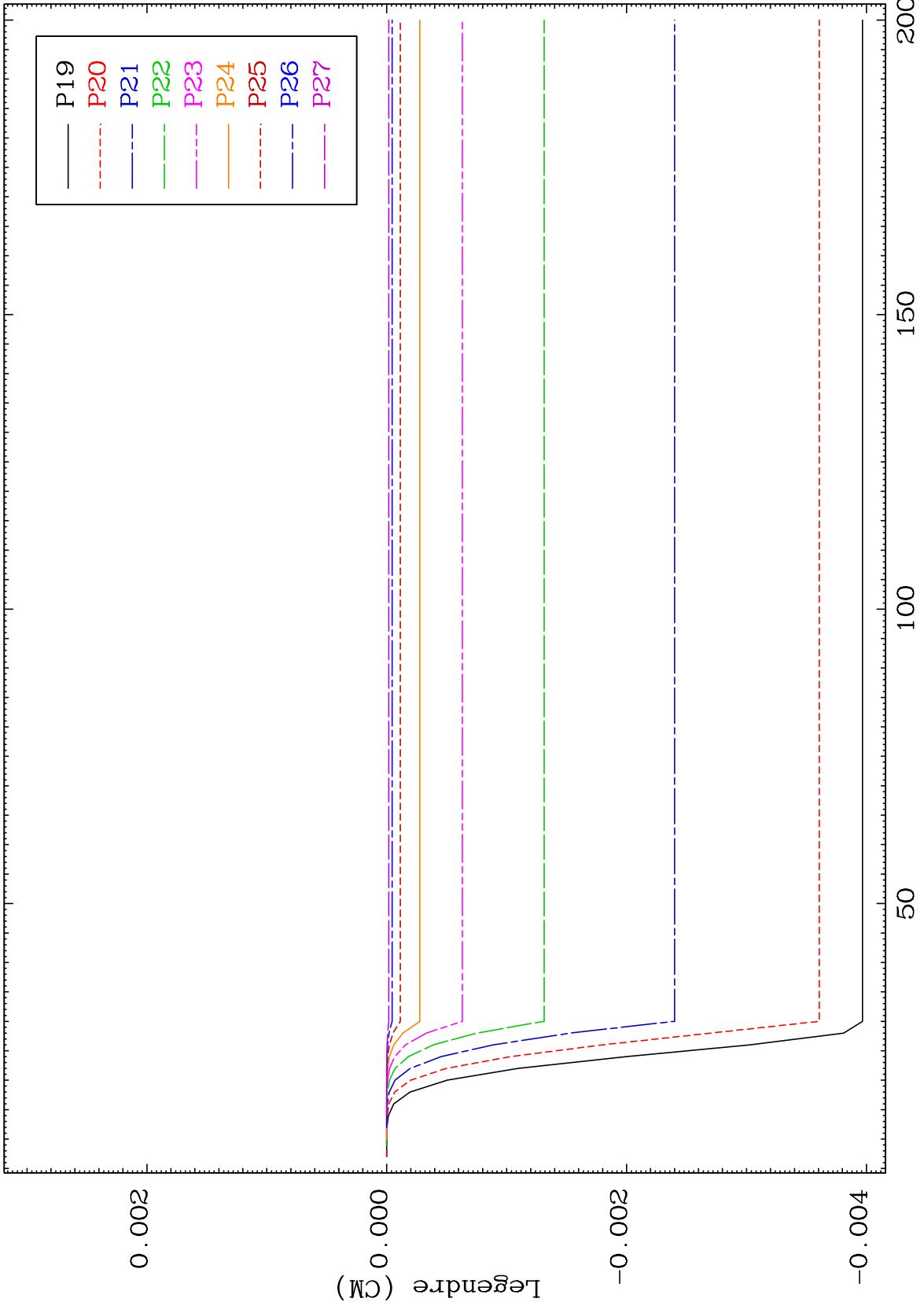
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



82

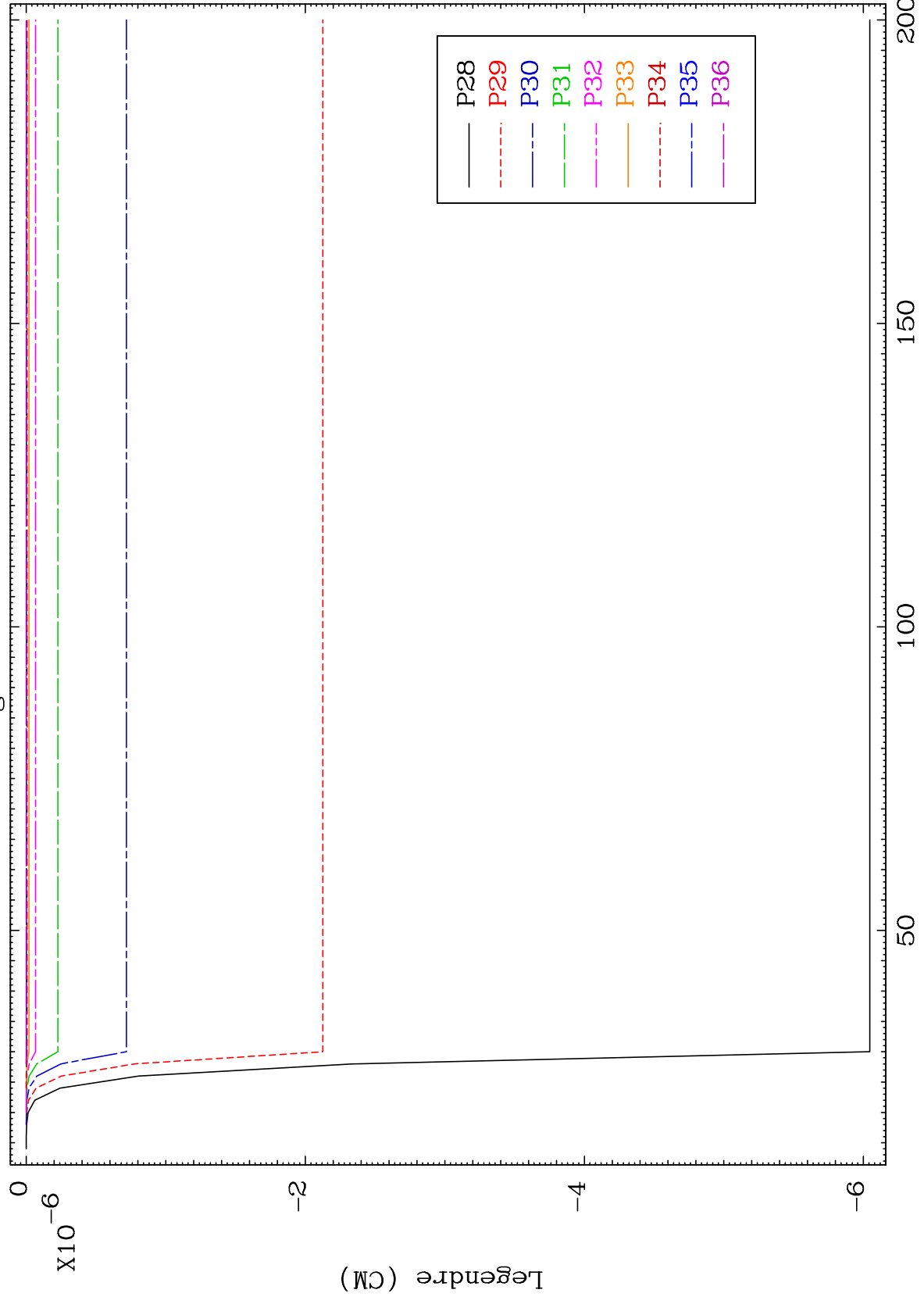
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

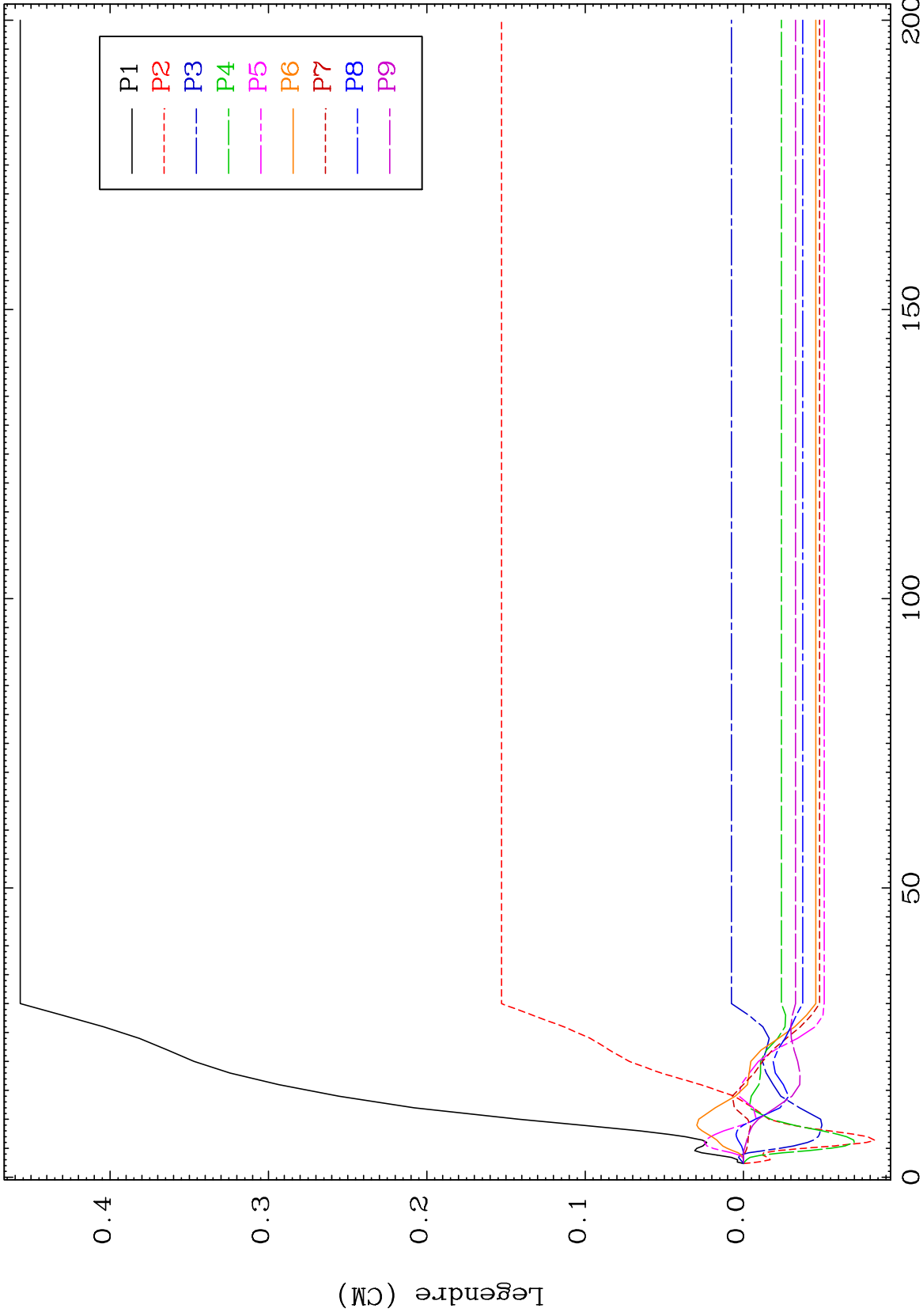
Incident Energy (MeV)

83

MAT 6792

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

68-Er-151



84

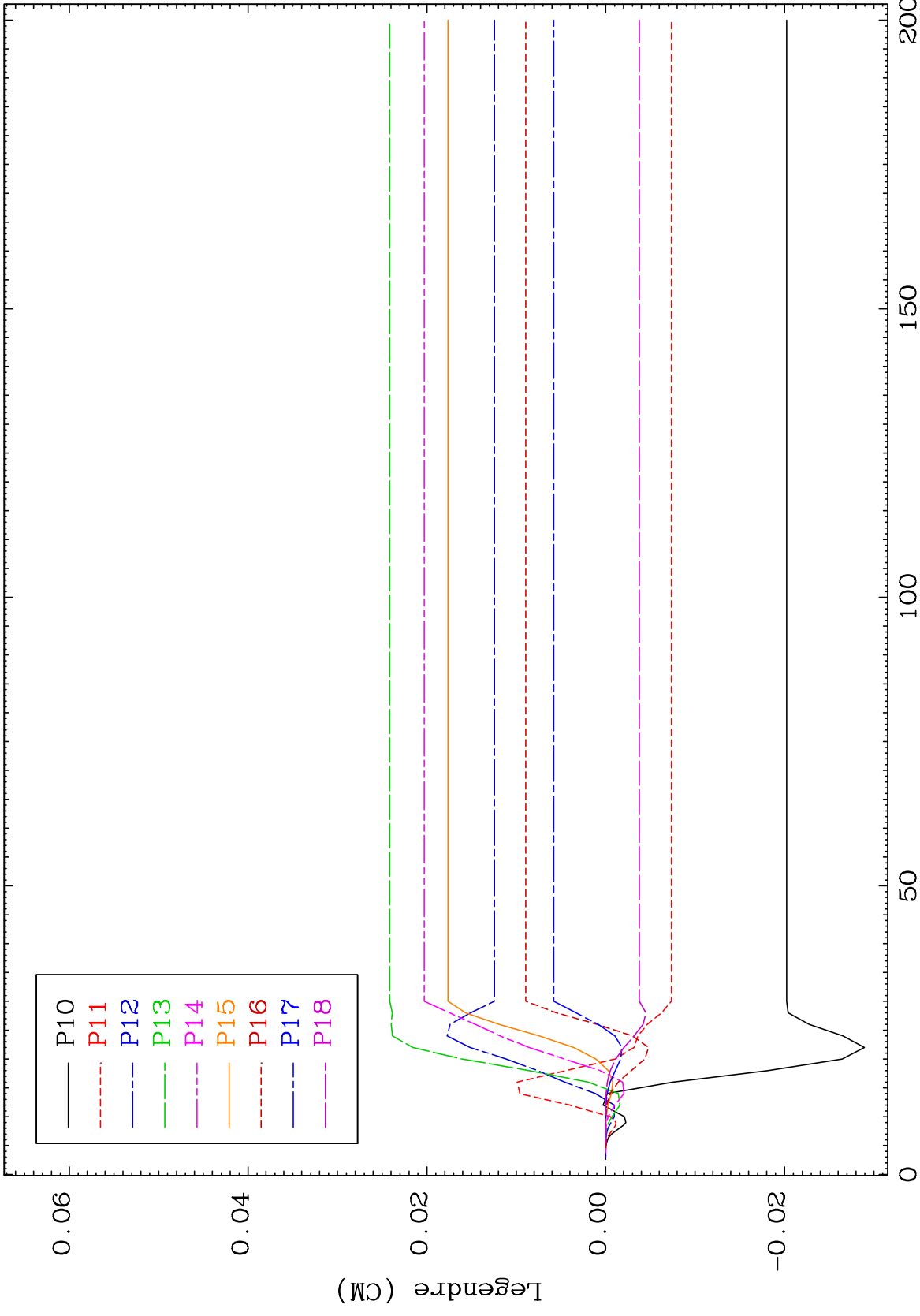
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



85

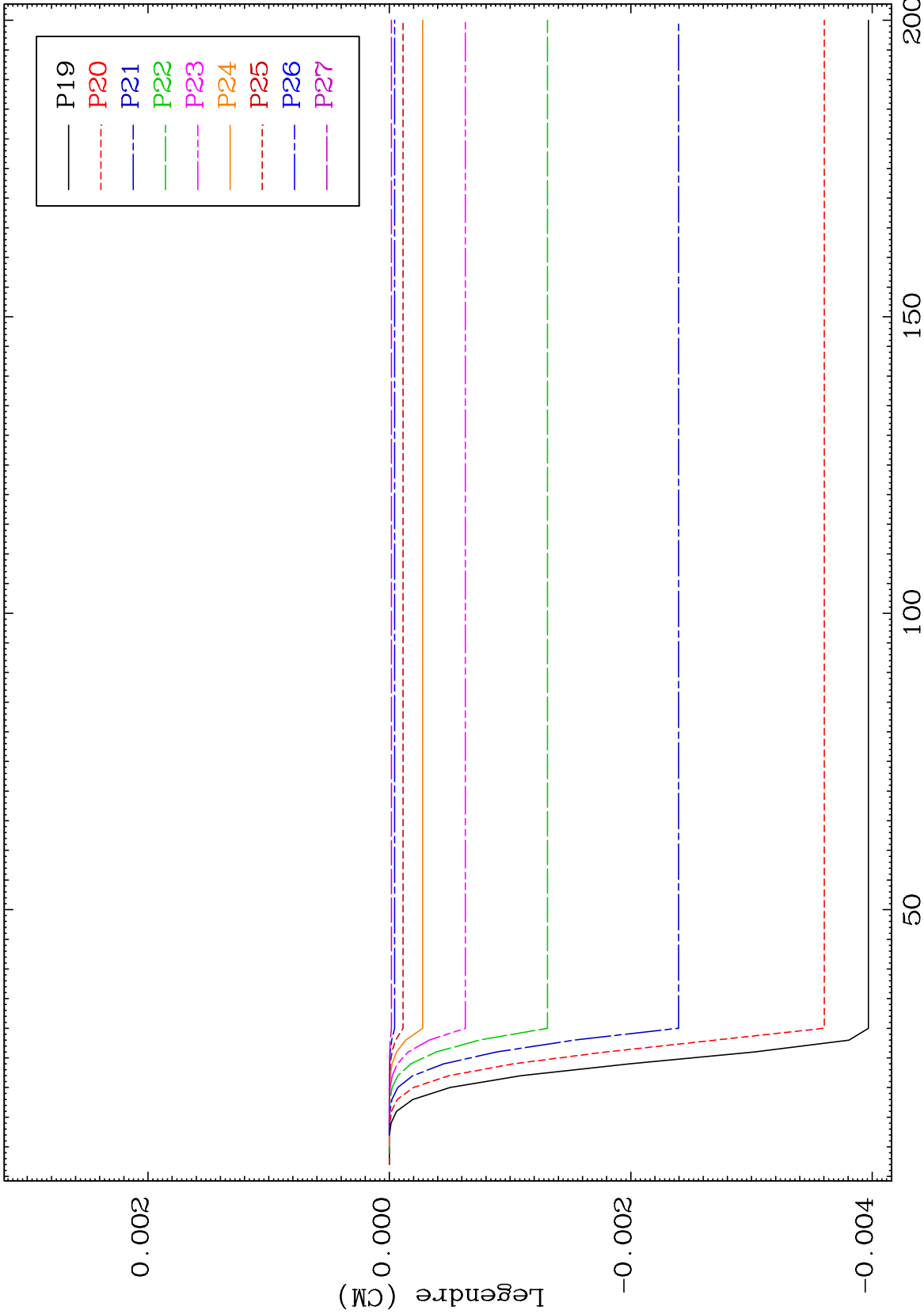
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



86

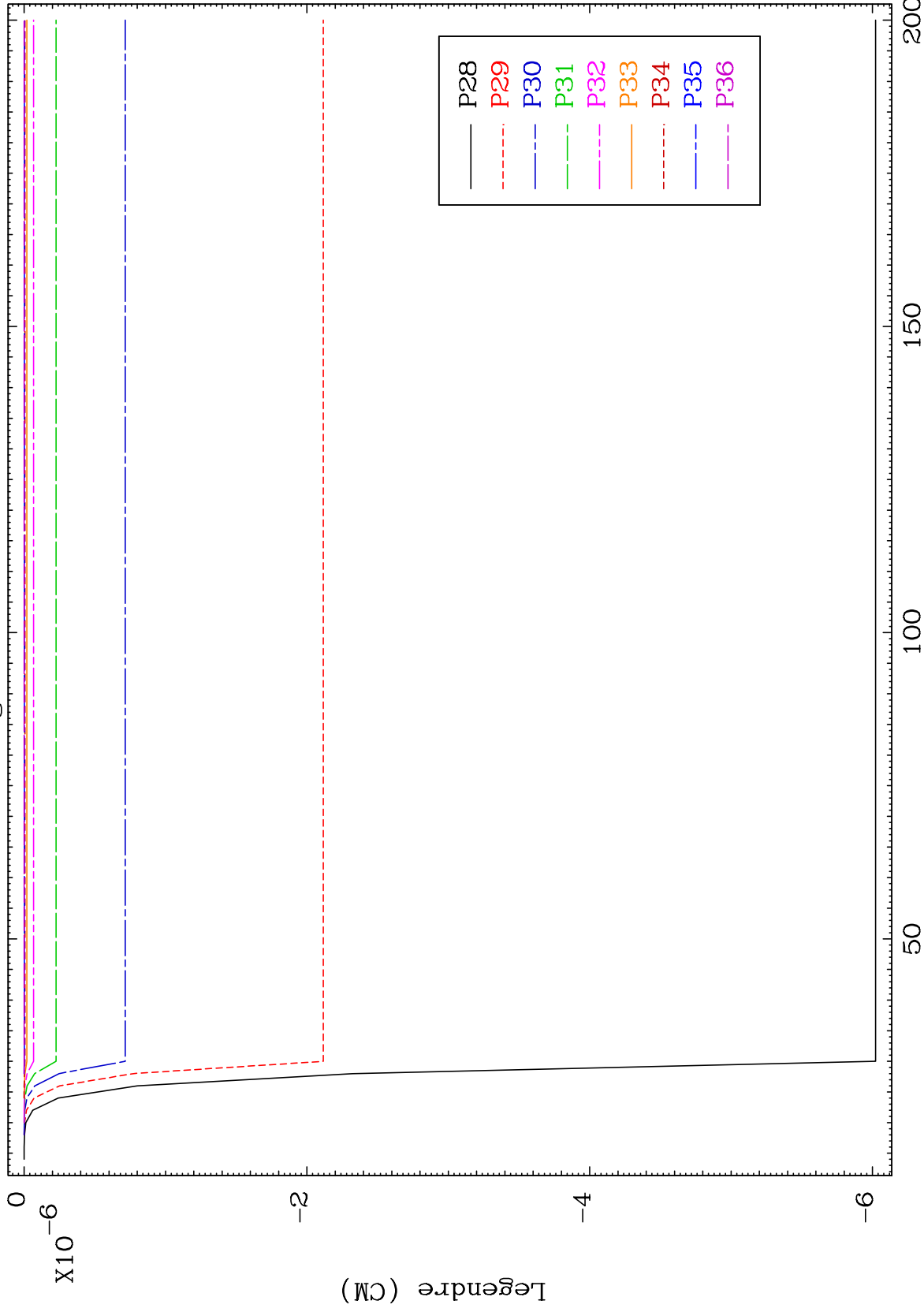
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



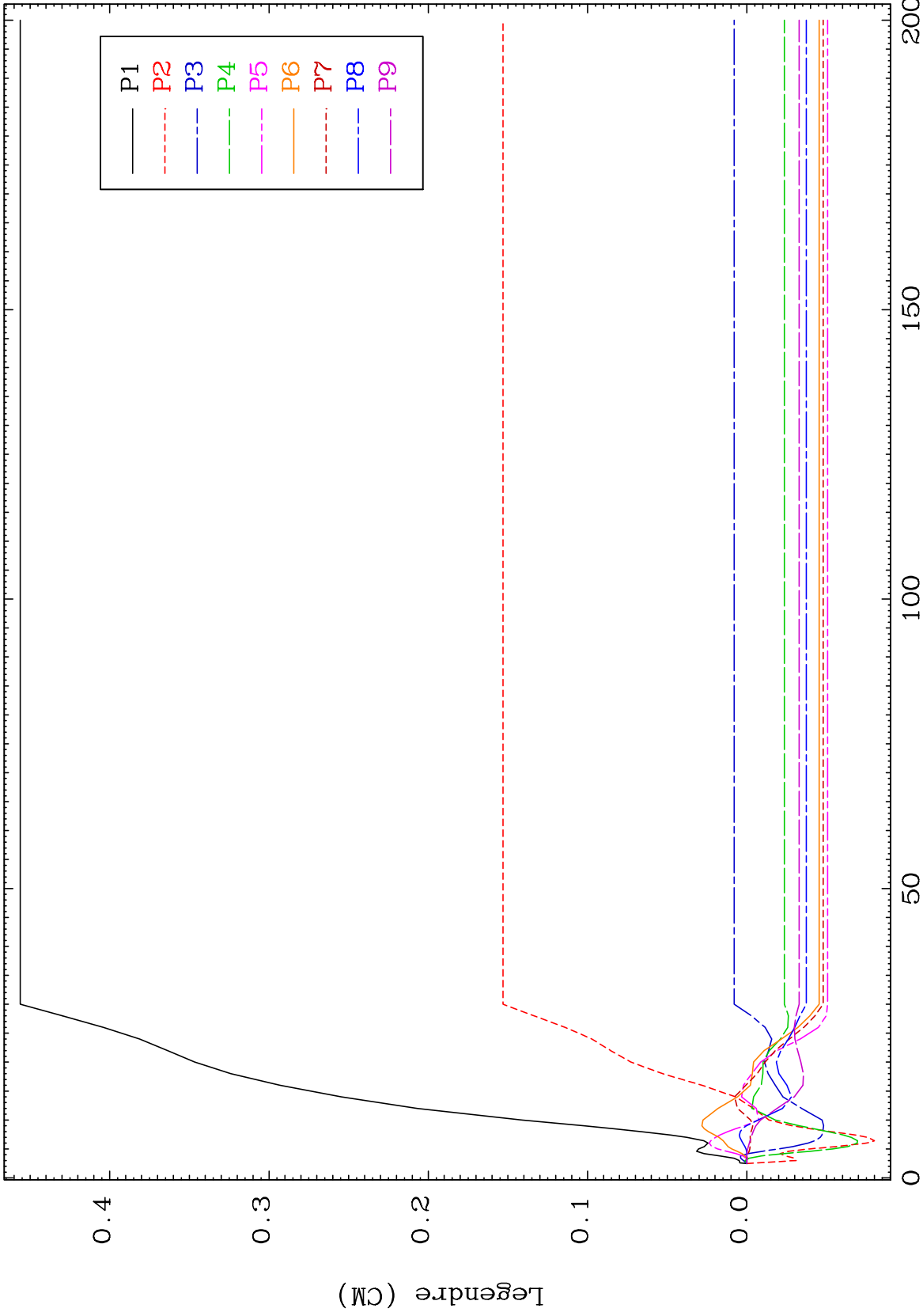
87

68-Er-151

MAT 6792

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

68-Er-151



88

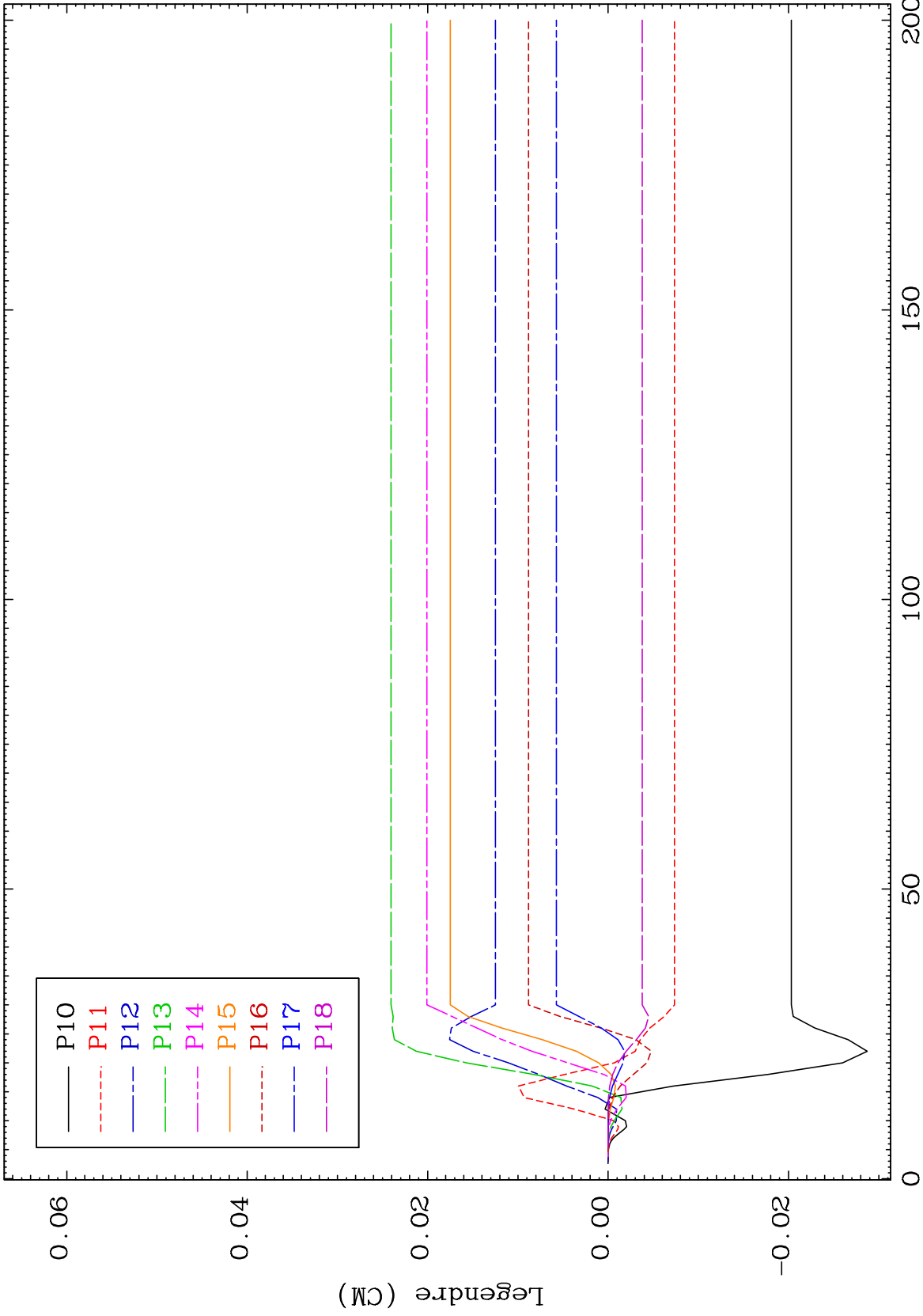
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



89

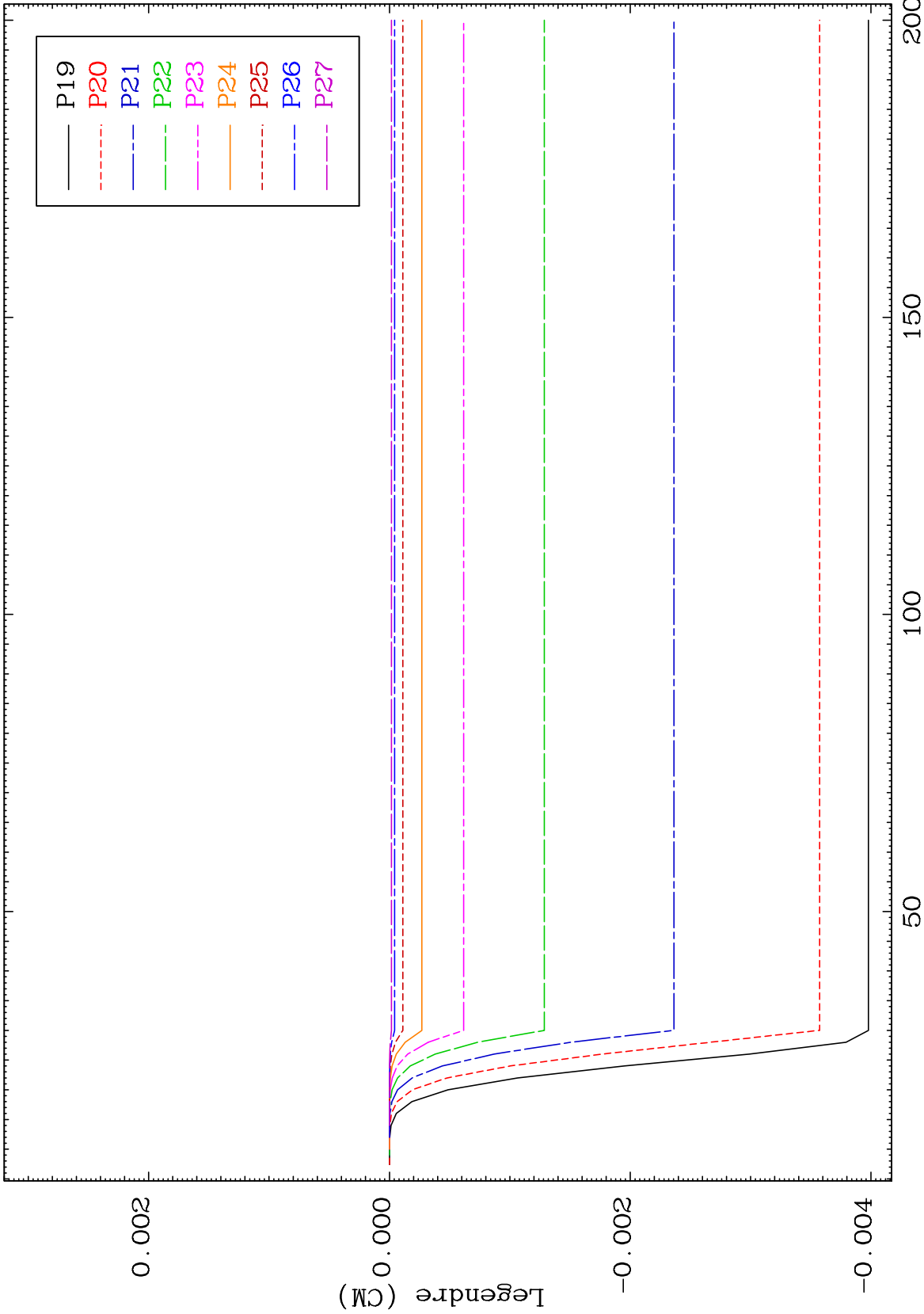
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



90

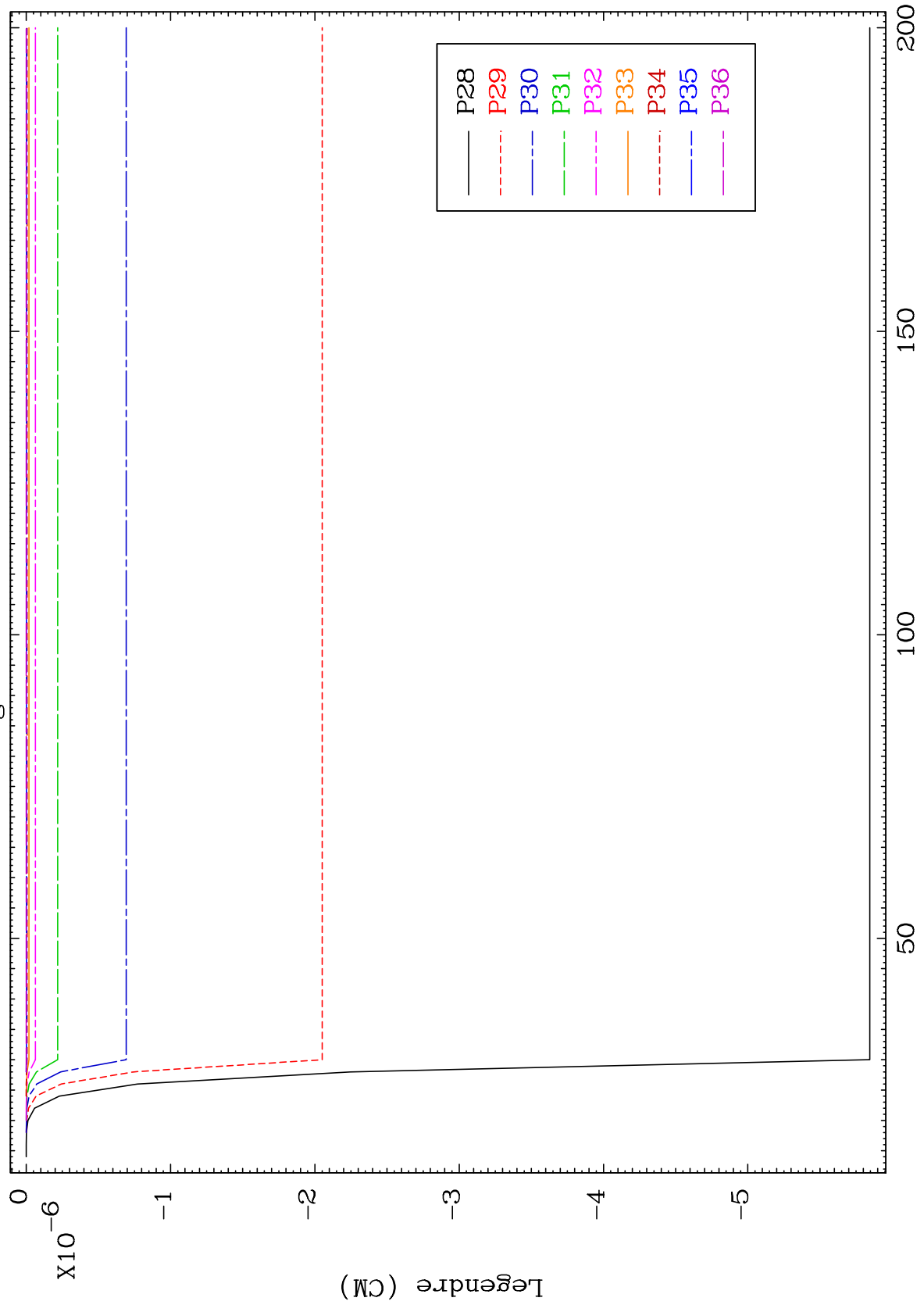
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

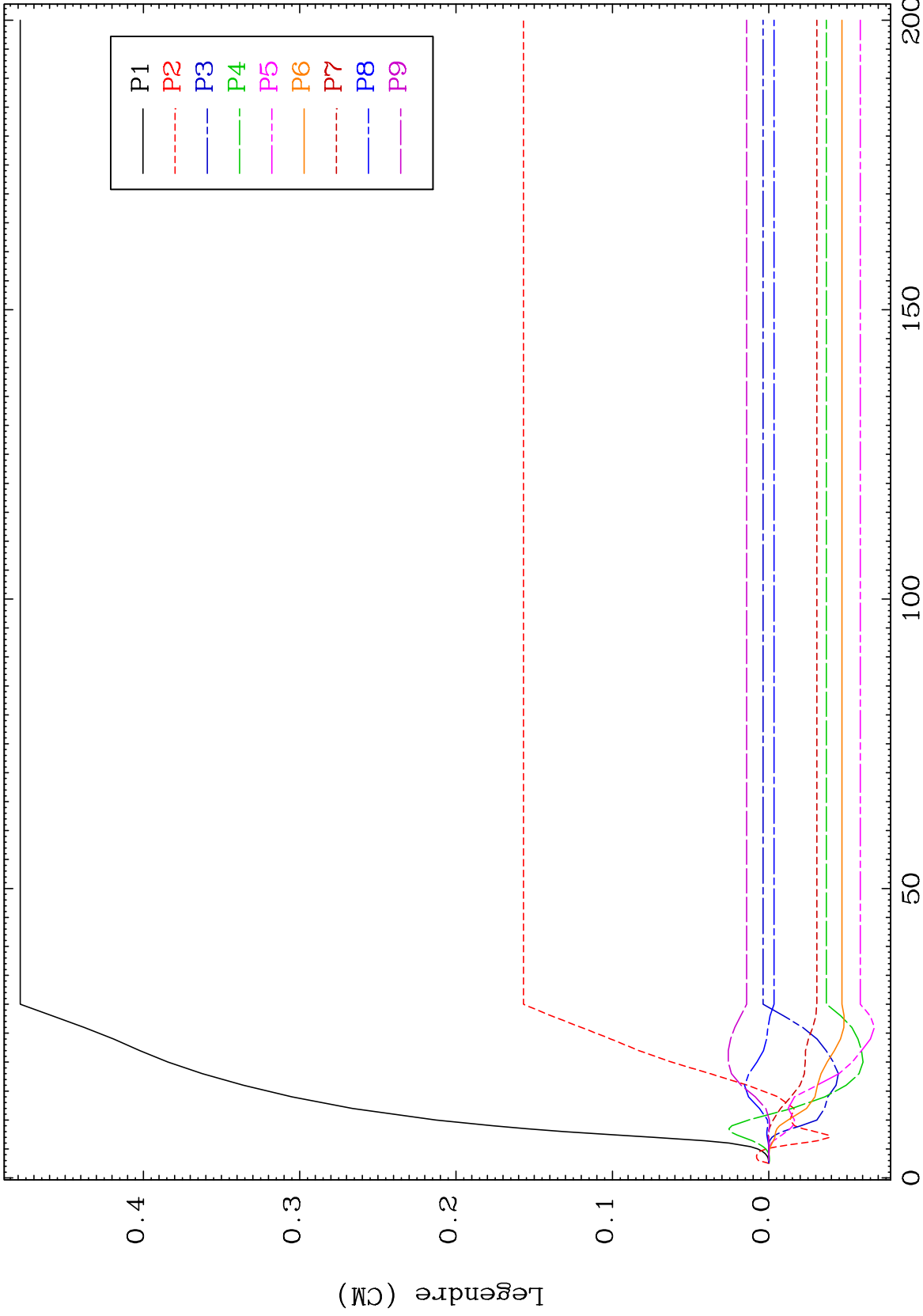
Incident Energy (MeV)

91

MAT 6792

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

68-Er-151



92

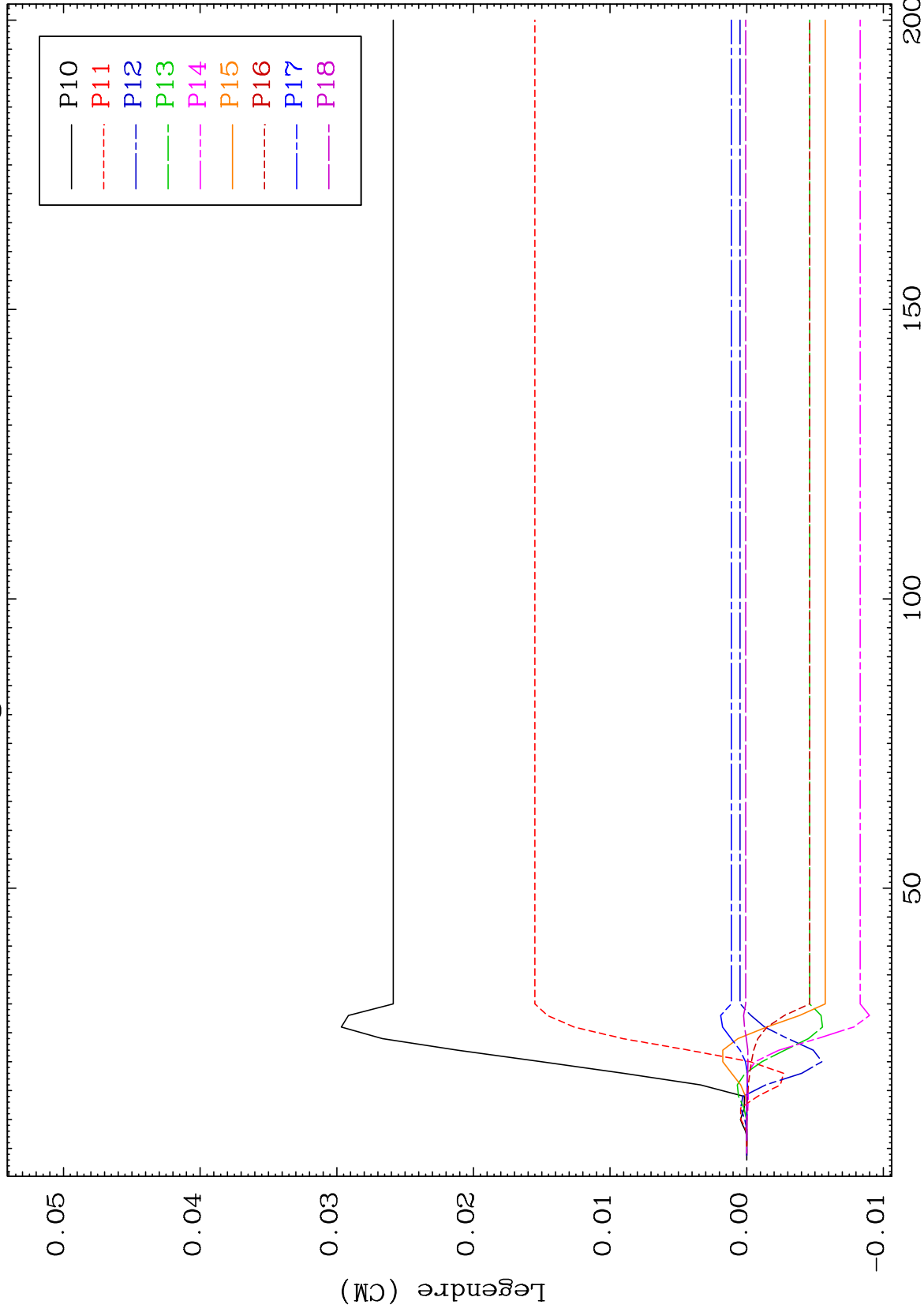
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



93

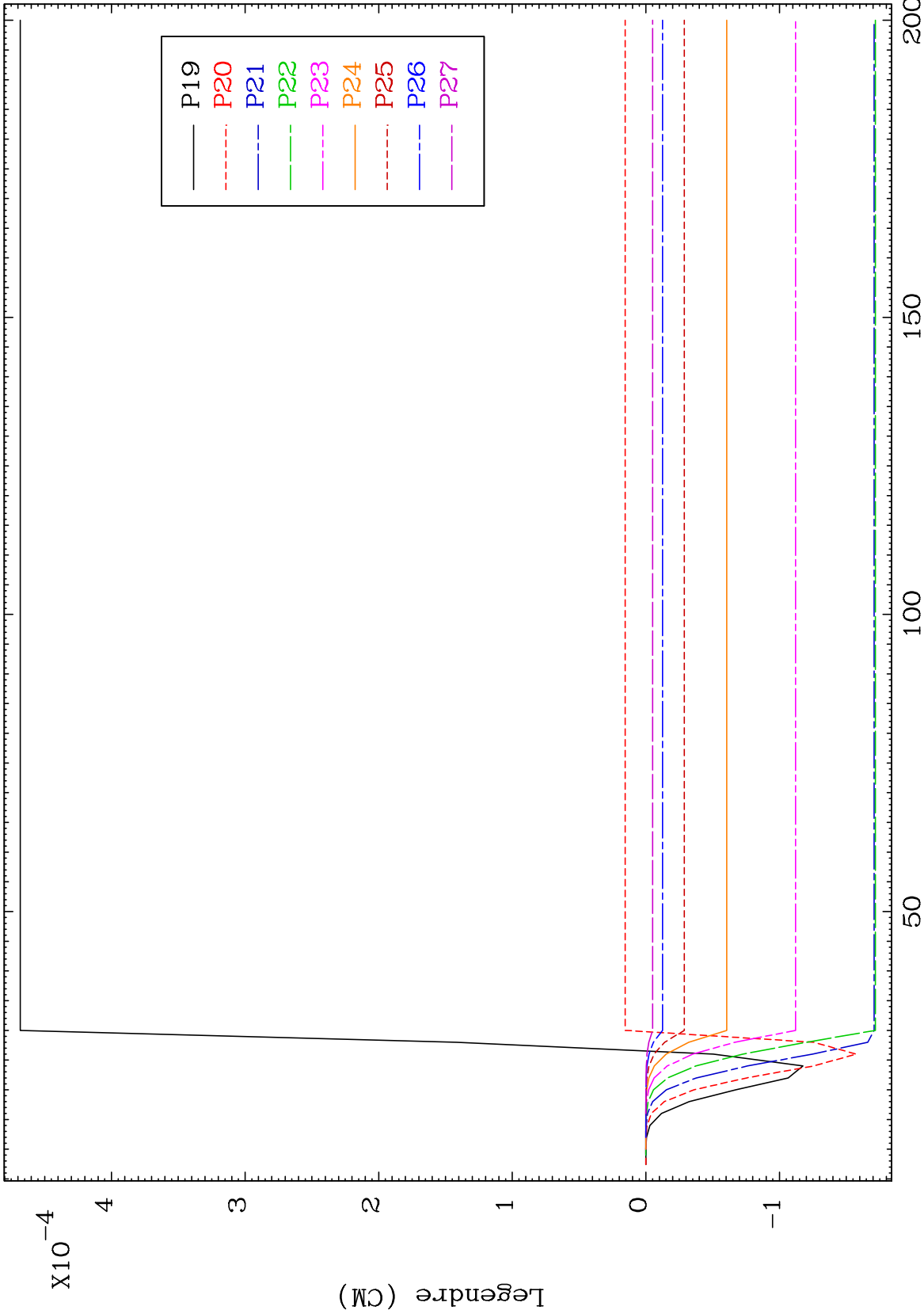
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



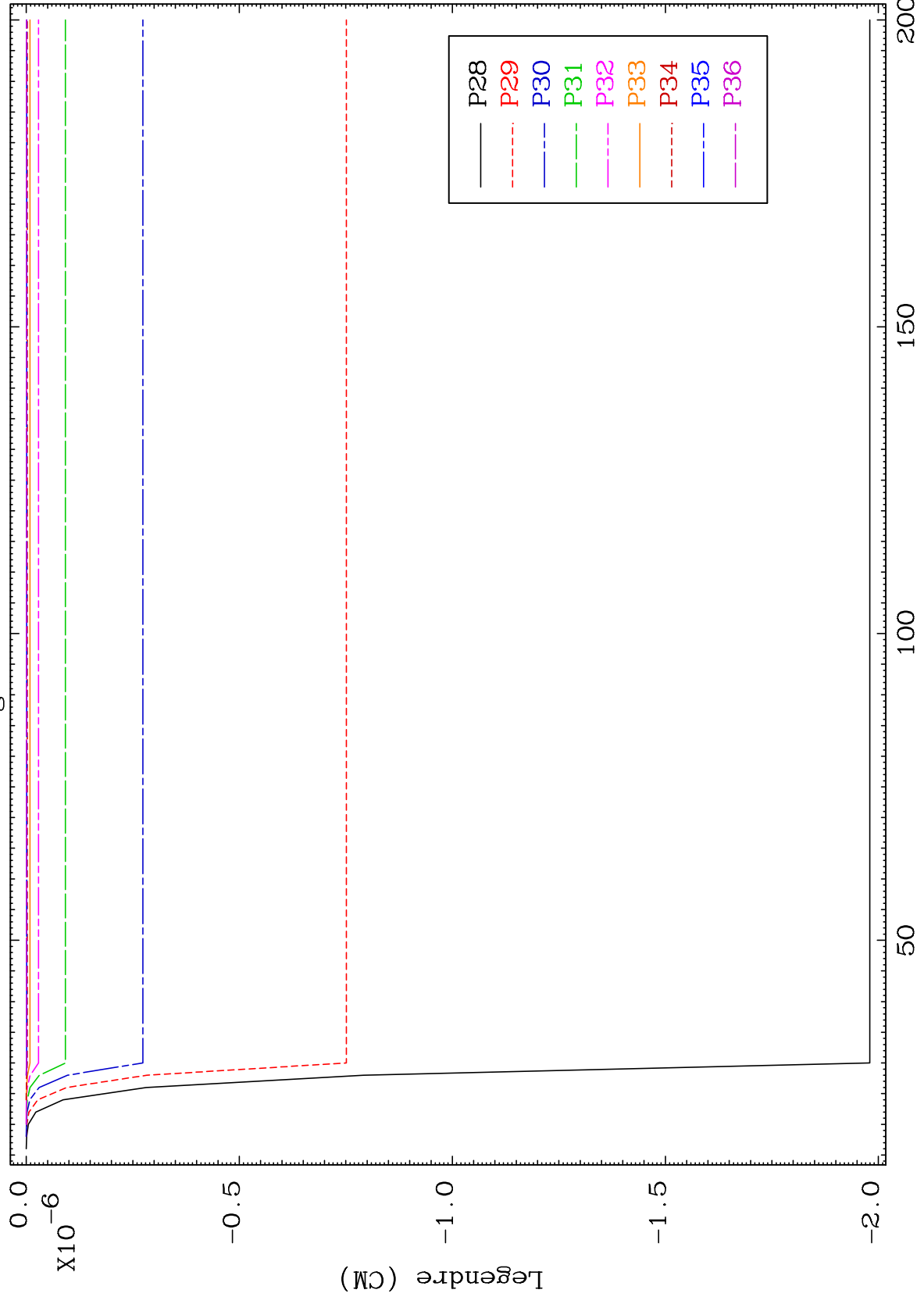
94

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

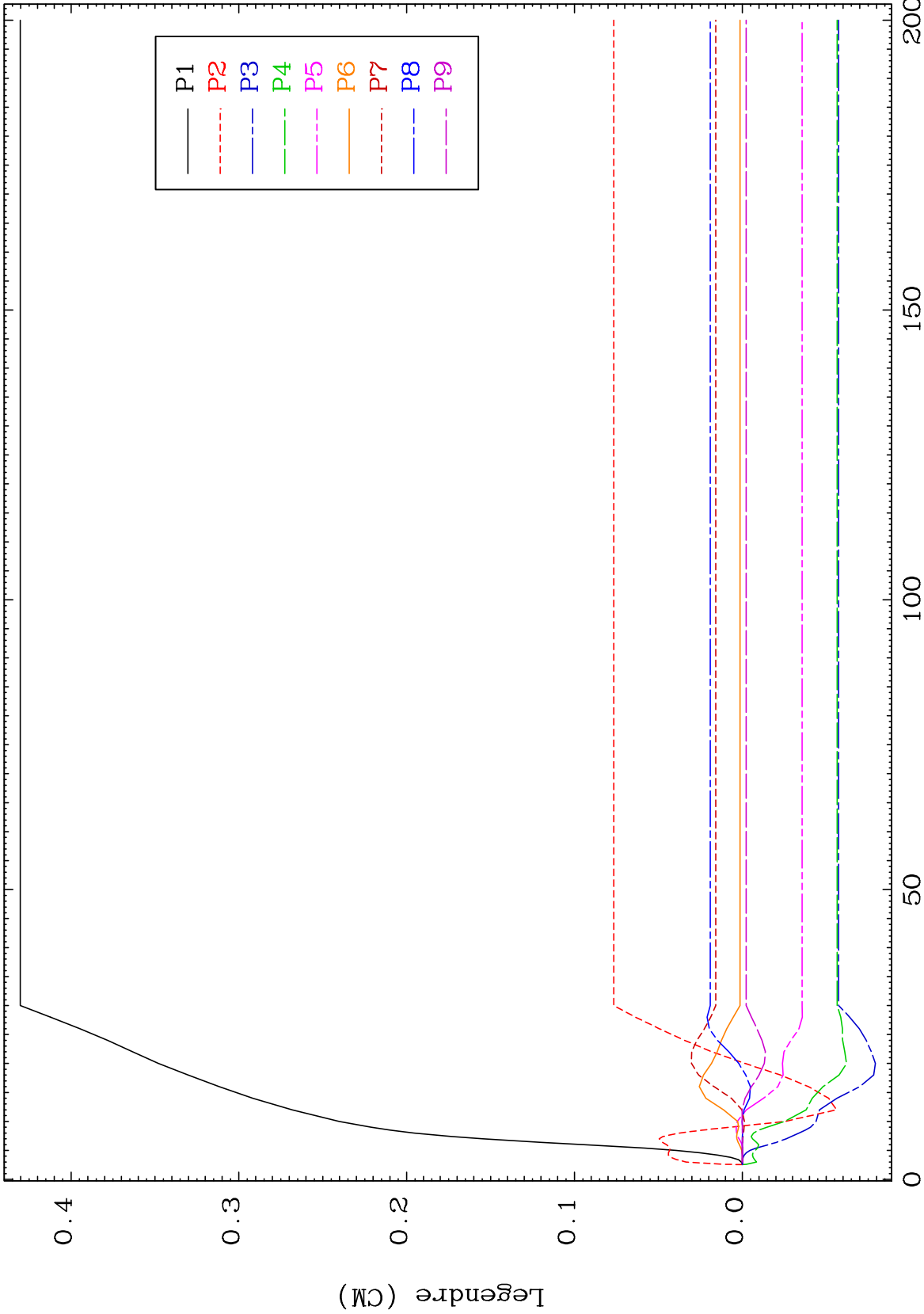
Incident Energy (MeV)

95

MAT 6792

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

68-Er-151



96

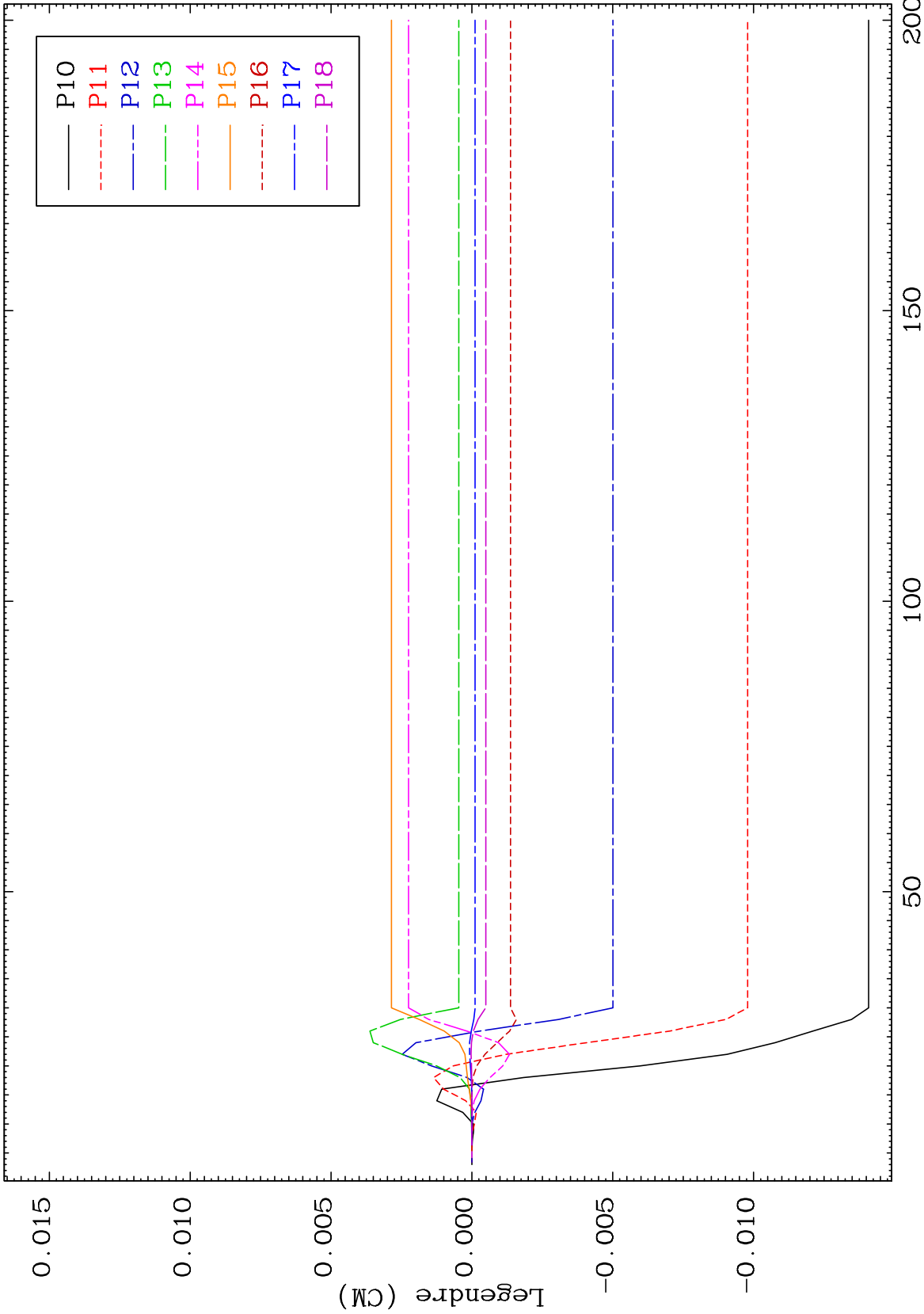
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



97

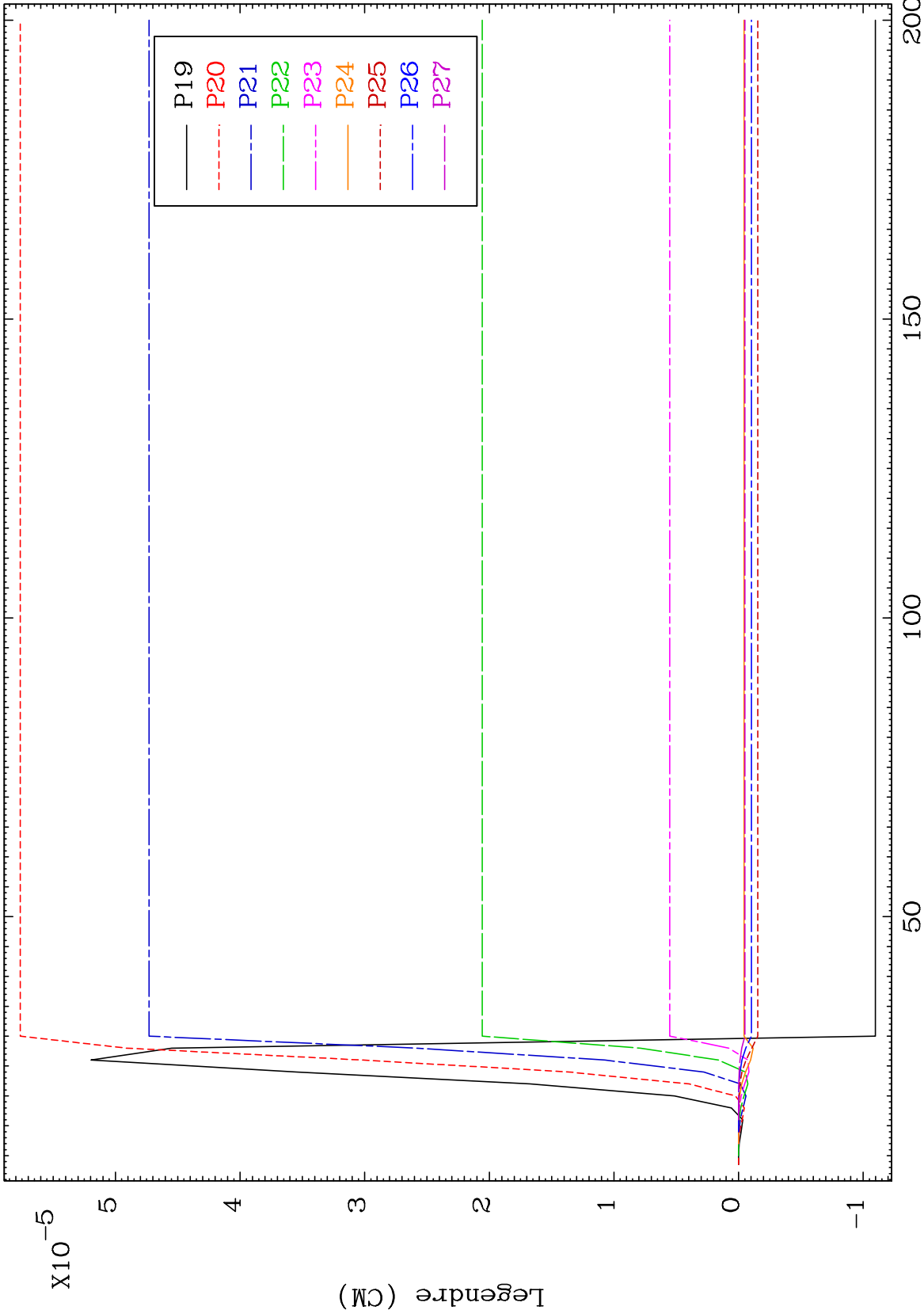
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



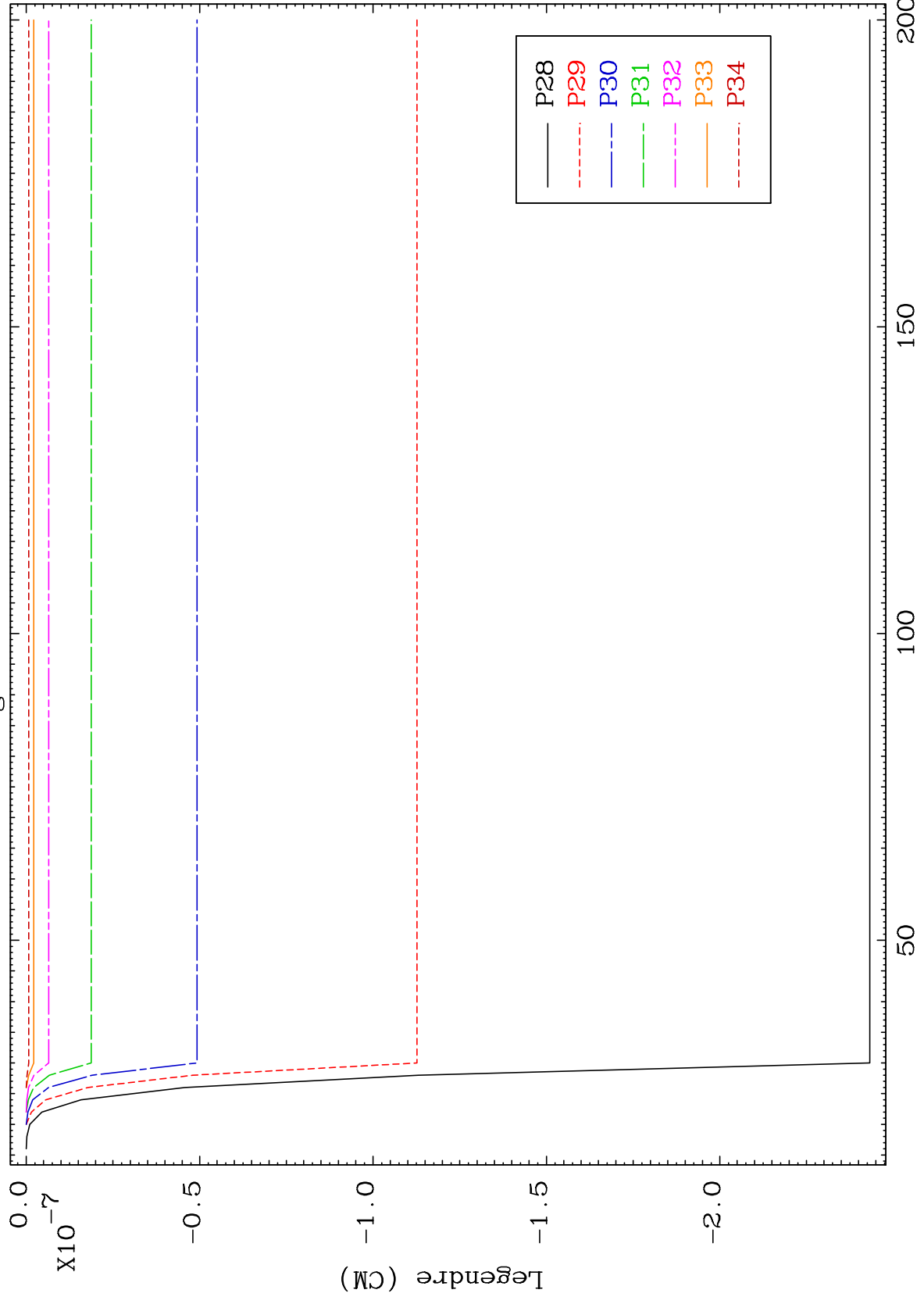
98

68-Er-151

MAT 6792

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

68-Er-151



68-Er-151

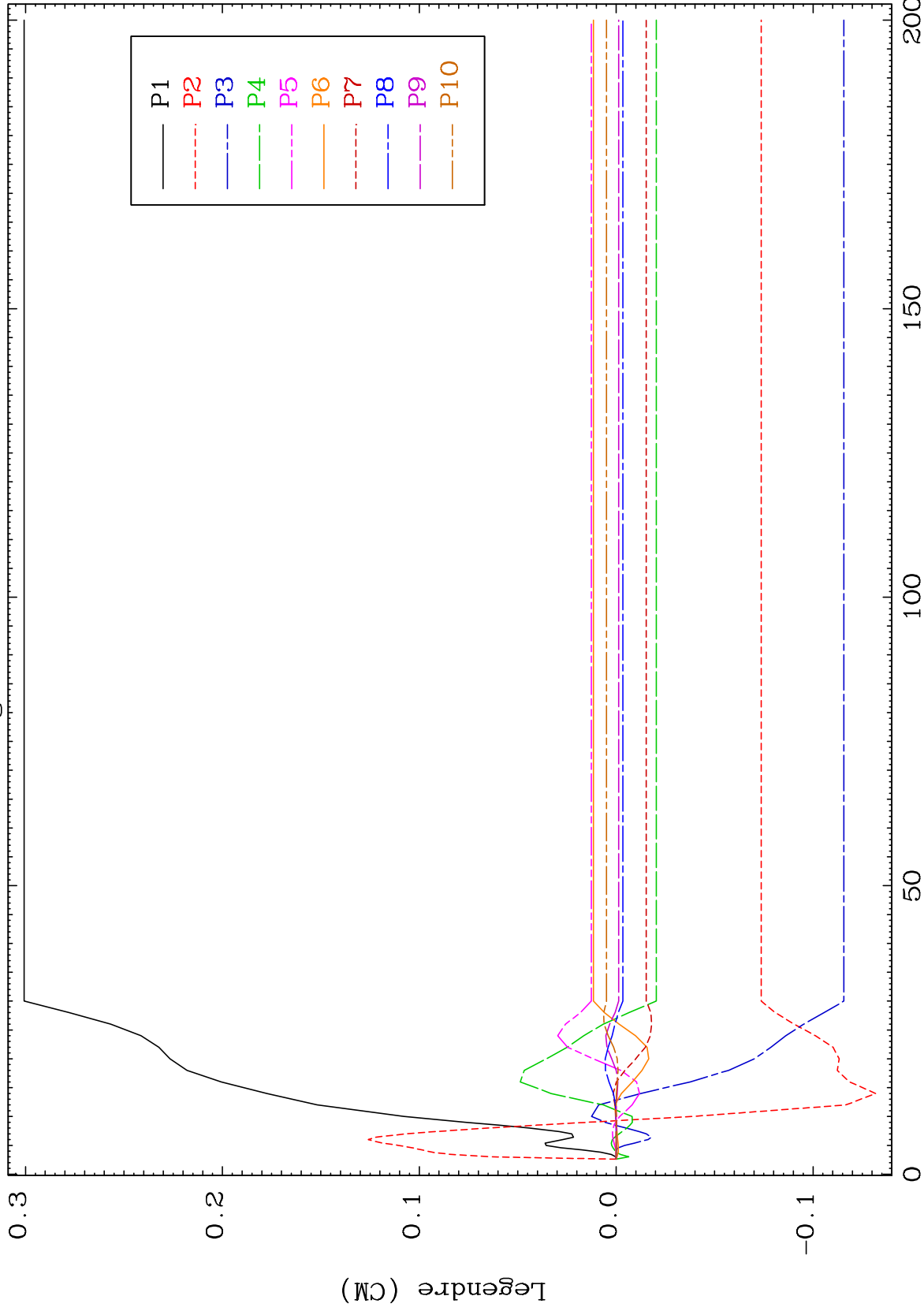
Incident Energy (MeV)

99

MAT 6792

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

68-Er-151



68-Er-151

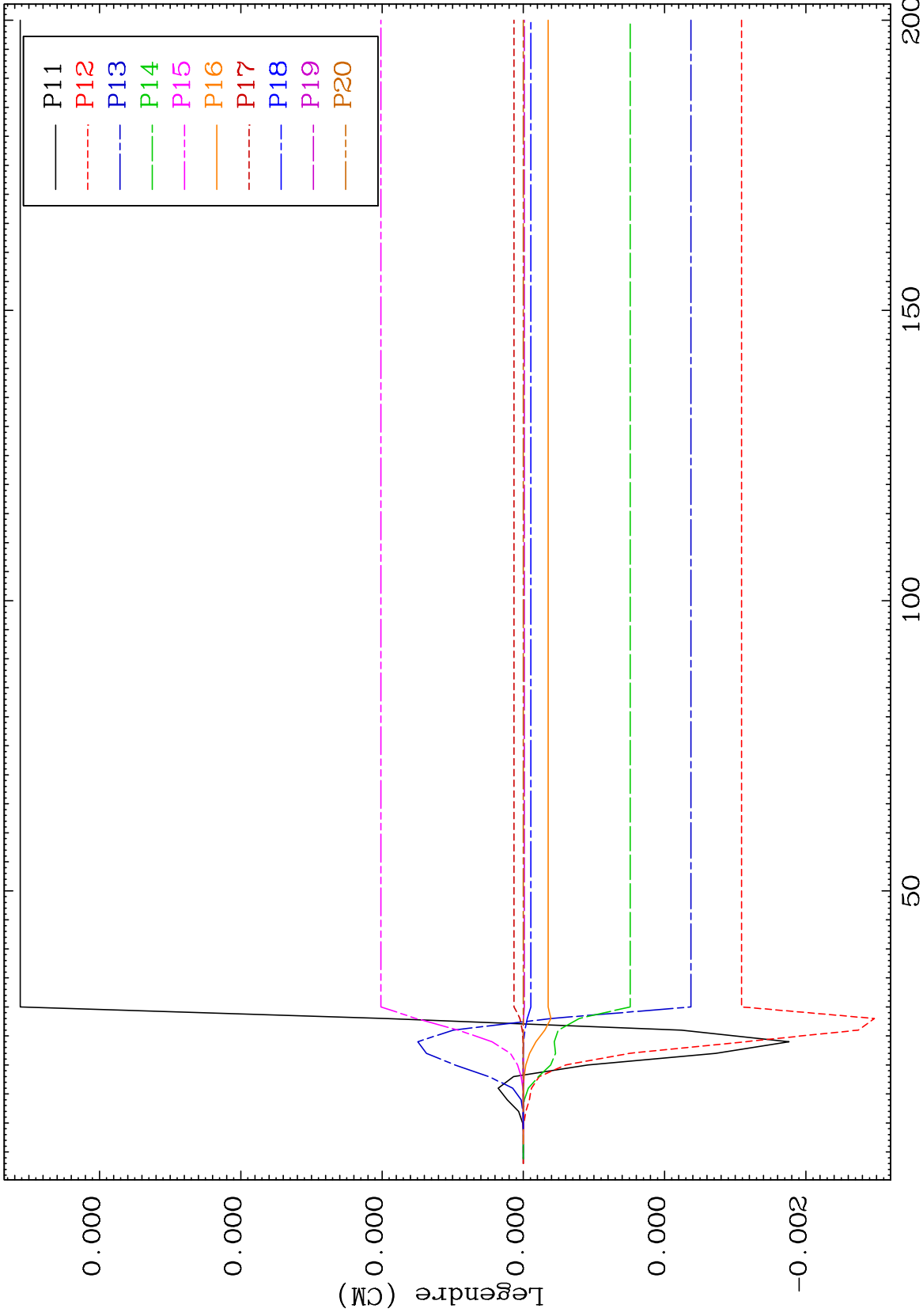
Incident Energy (MeV)

100

MAT 6792

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

68-Er-151



101

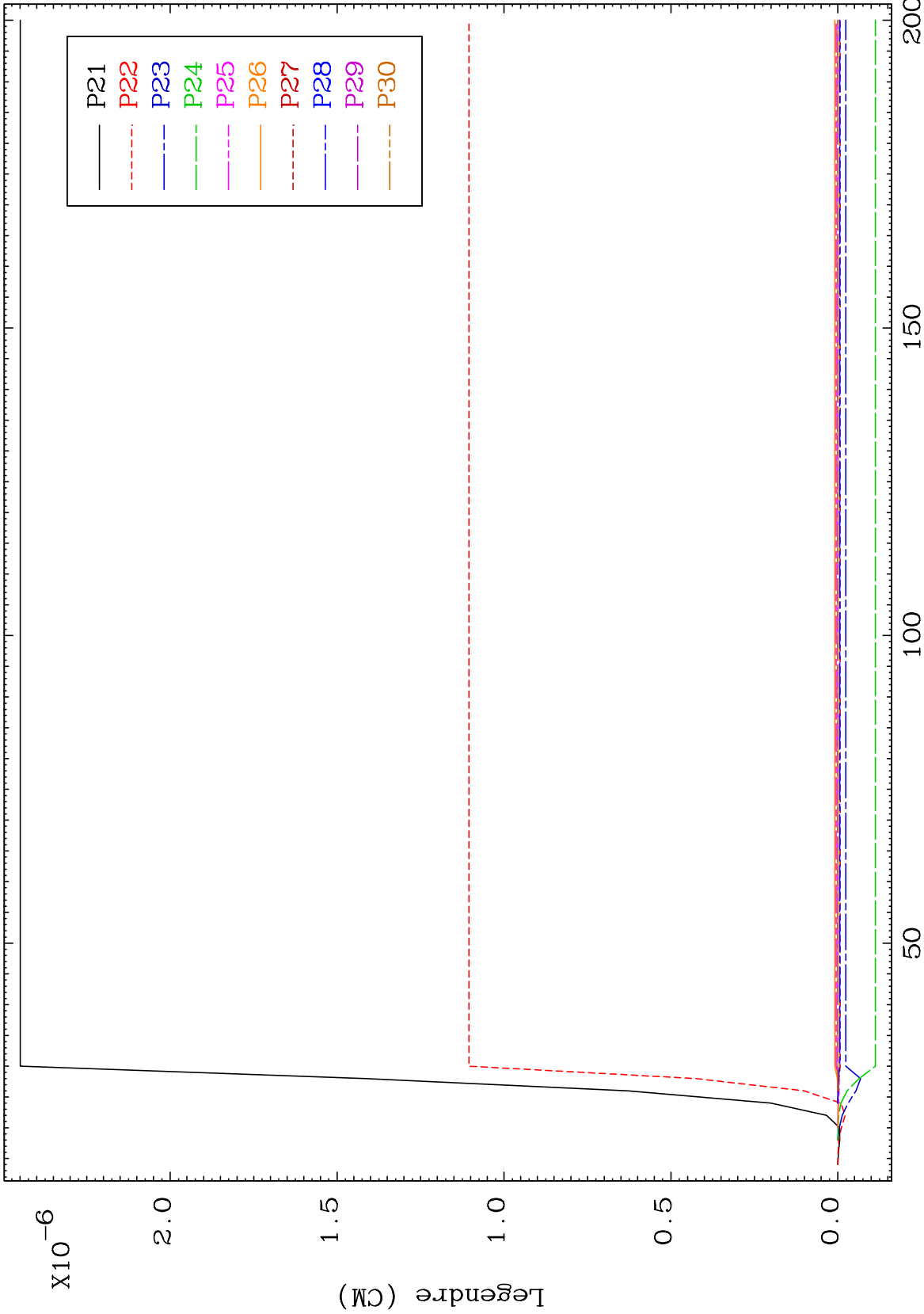
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



102

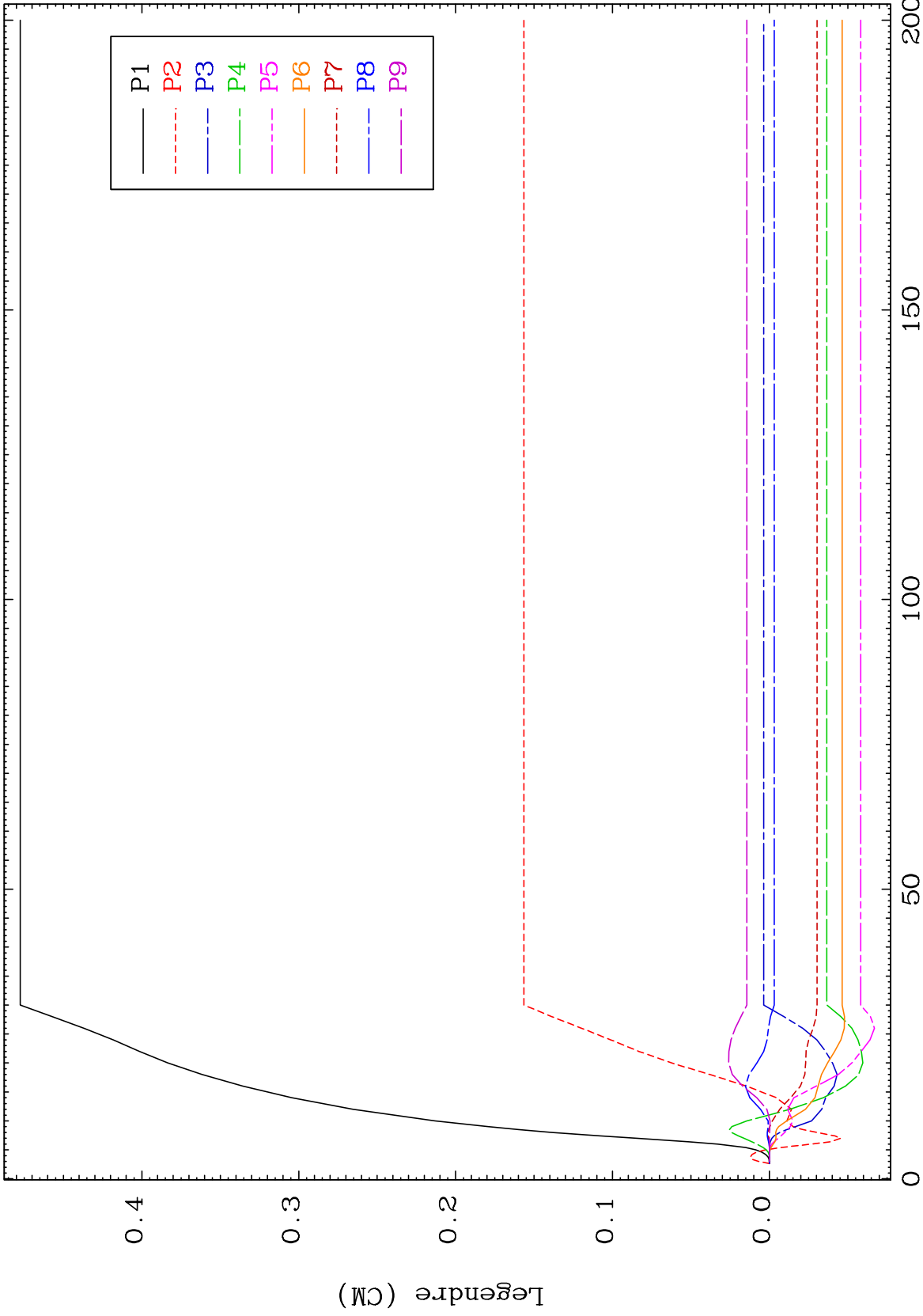
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



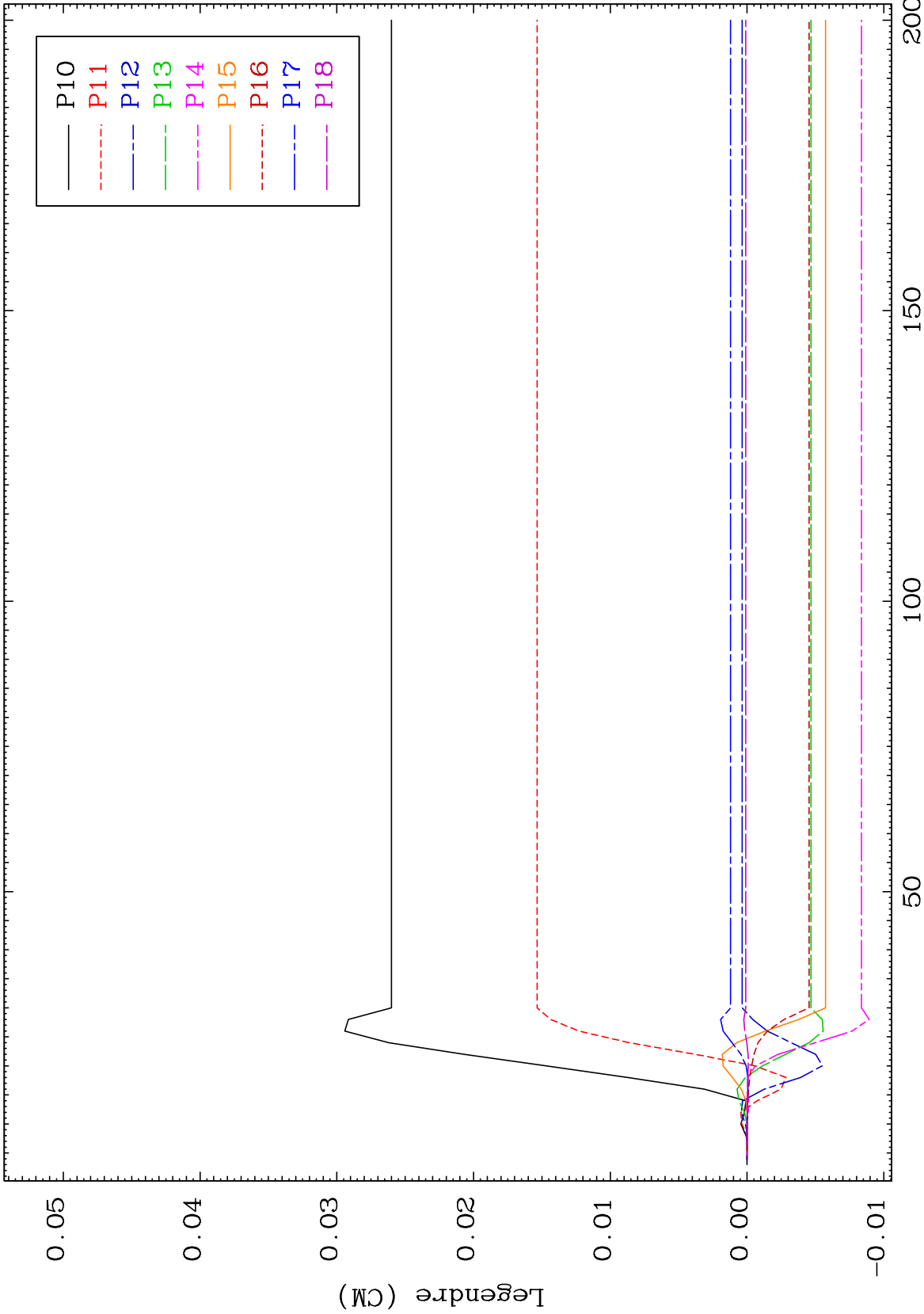
103

68-Er-151

MAT 6792

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

68-Er-151



104

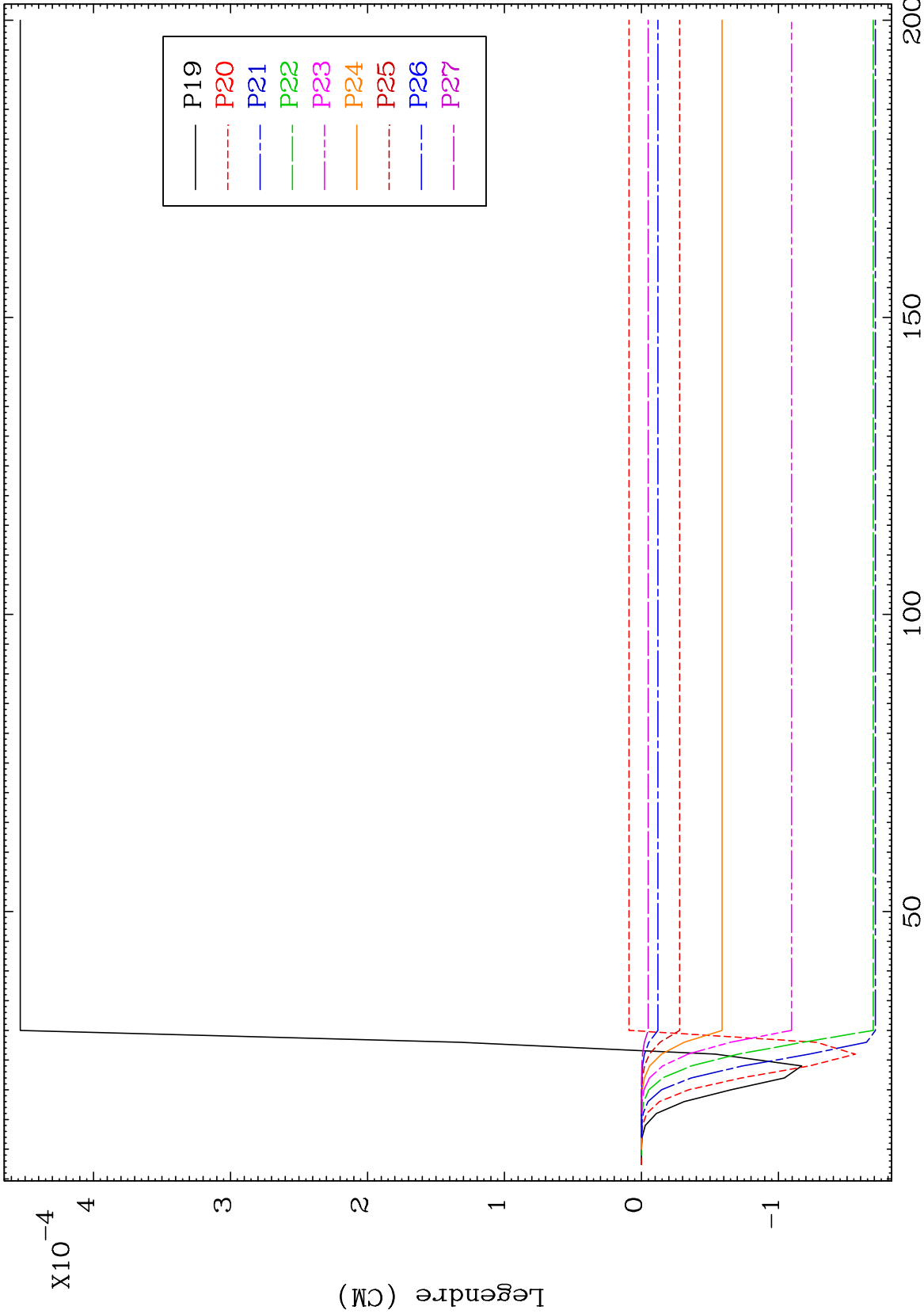
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



105

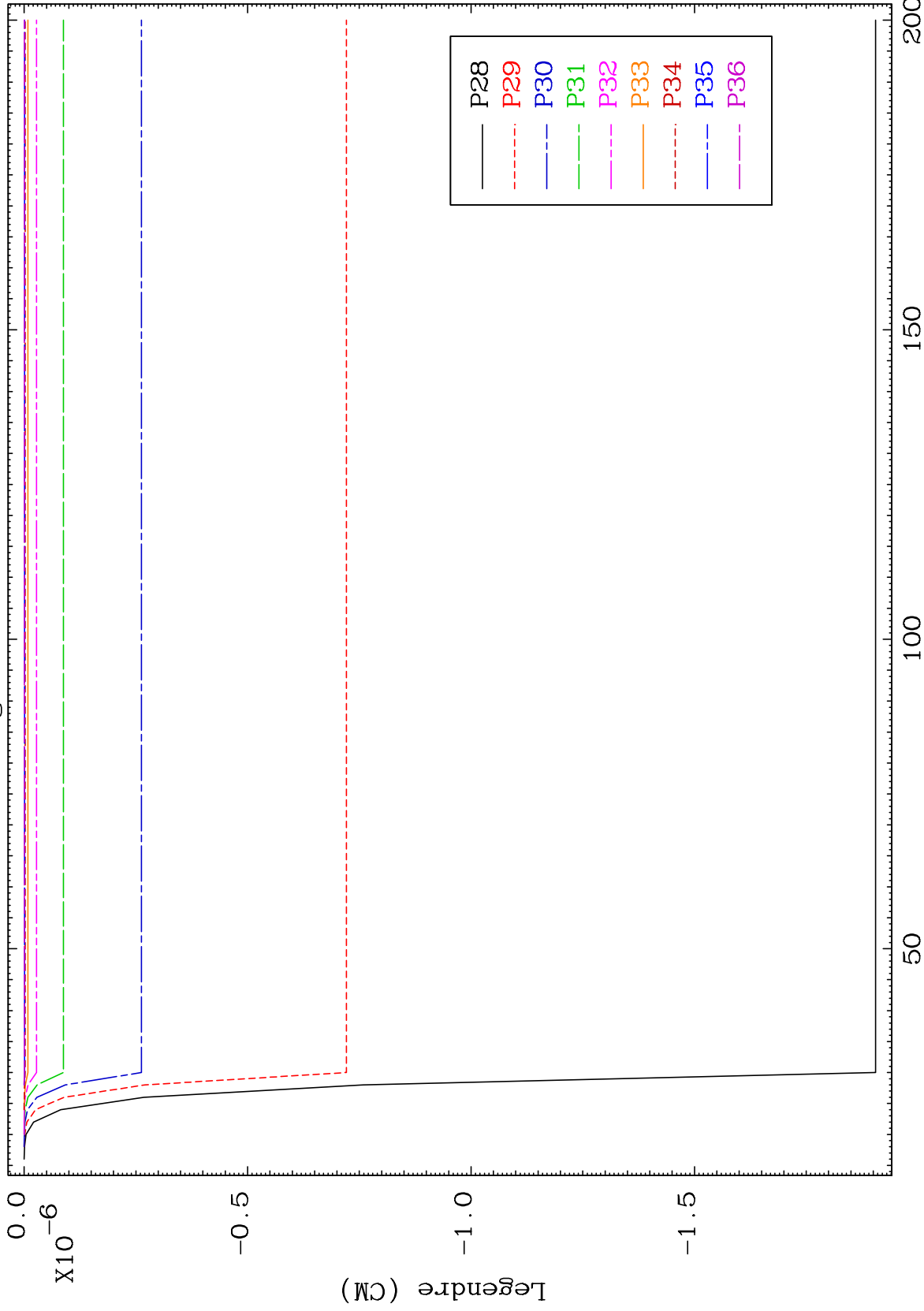
Incident Energy (MeV)

68-Er-151

MAT 6792

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

68-Er-151



106

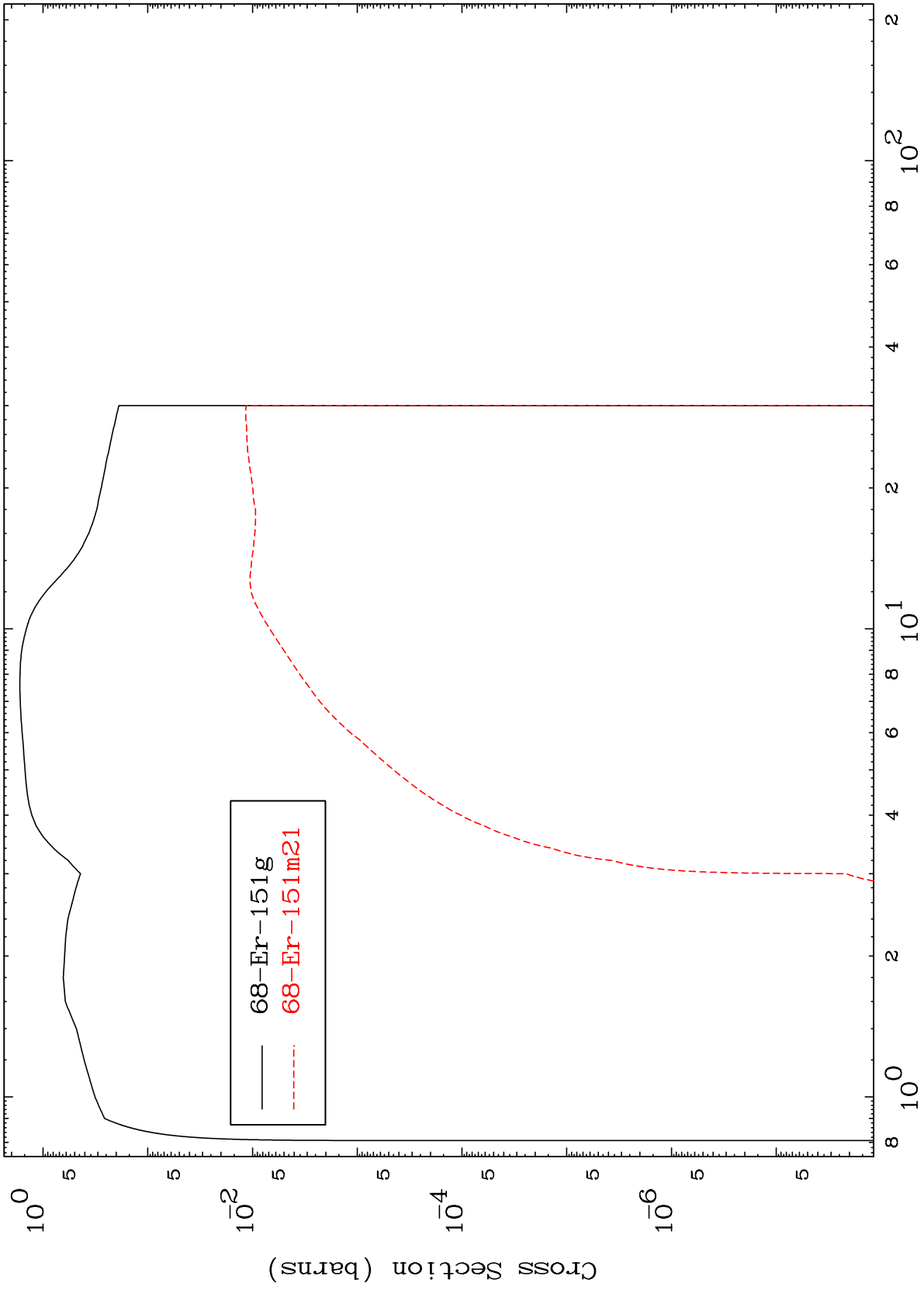
Incident Energy (MeV)

68-Er-151

MAT 6792

Inelastic Radionuclide Production Cross Section

68-Er-151



107

Incident Energy (MeV)

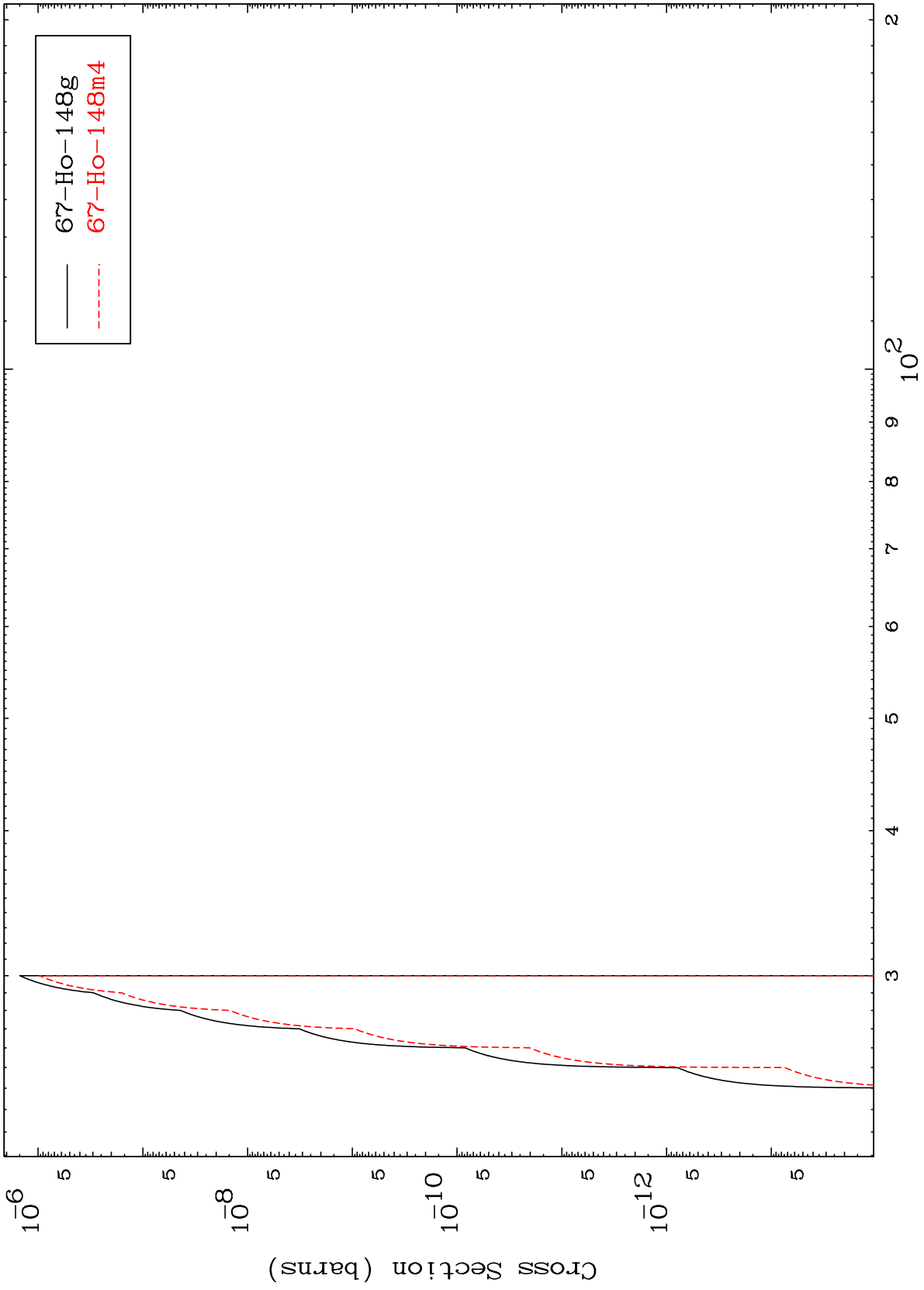
68-Er-151

MAT 6792

(n,2n) d

68-Er-151

Radionuclide Production Cross Section

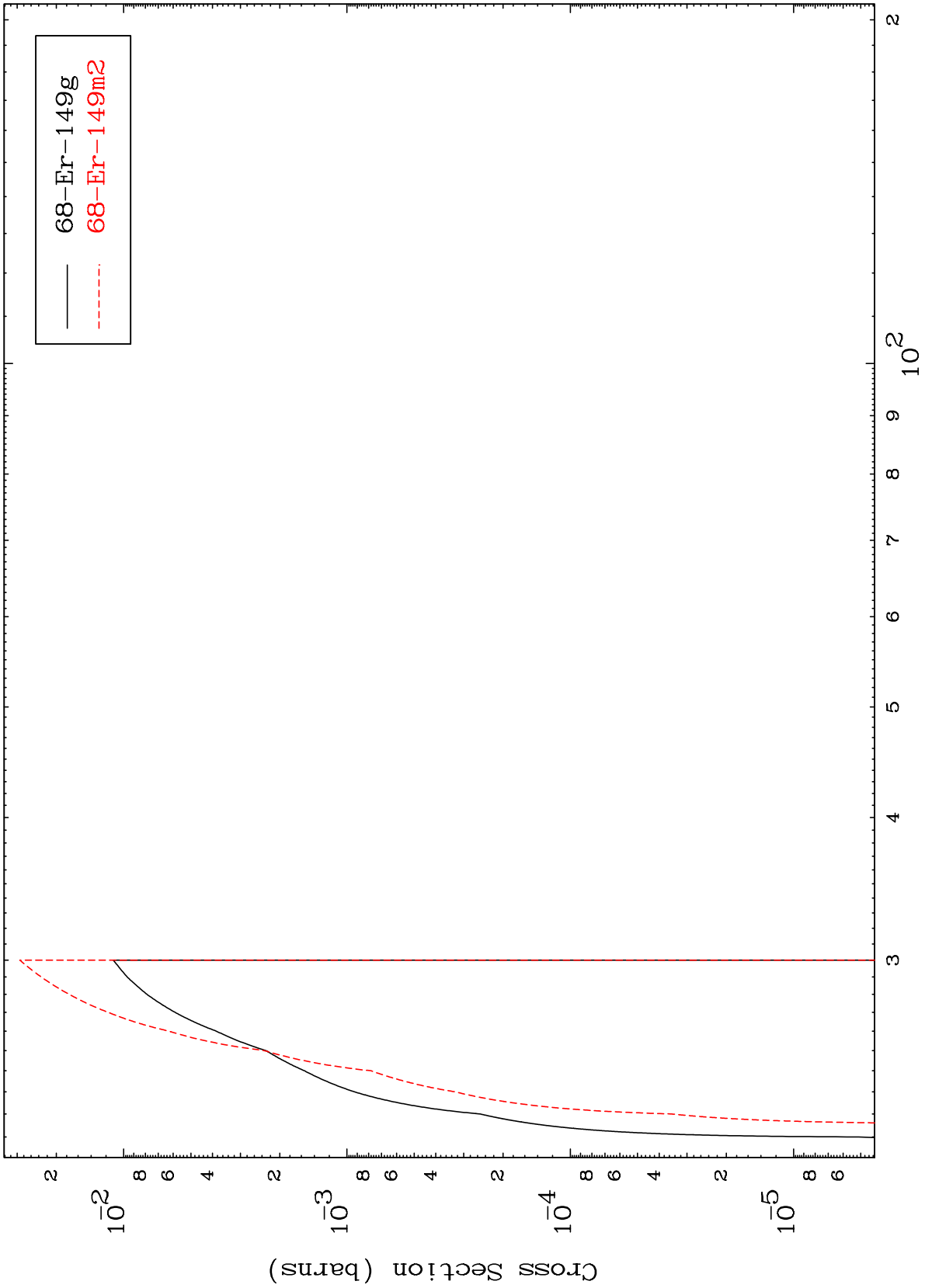


108

Incident Energy (MeV)

68-Er-151

(n,3n)
Radionuclide Production Cross Section

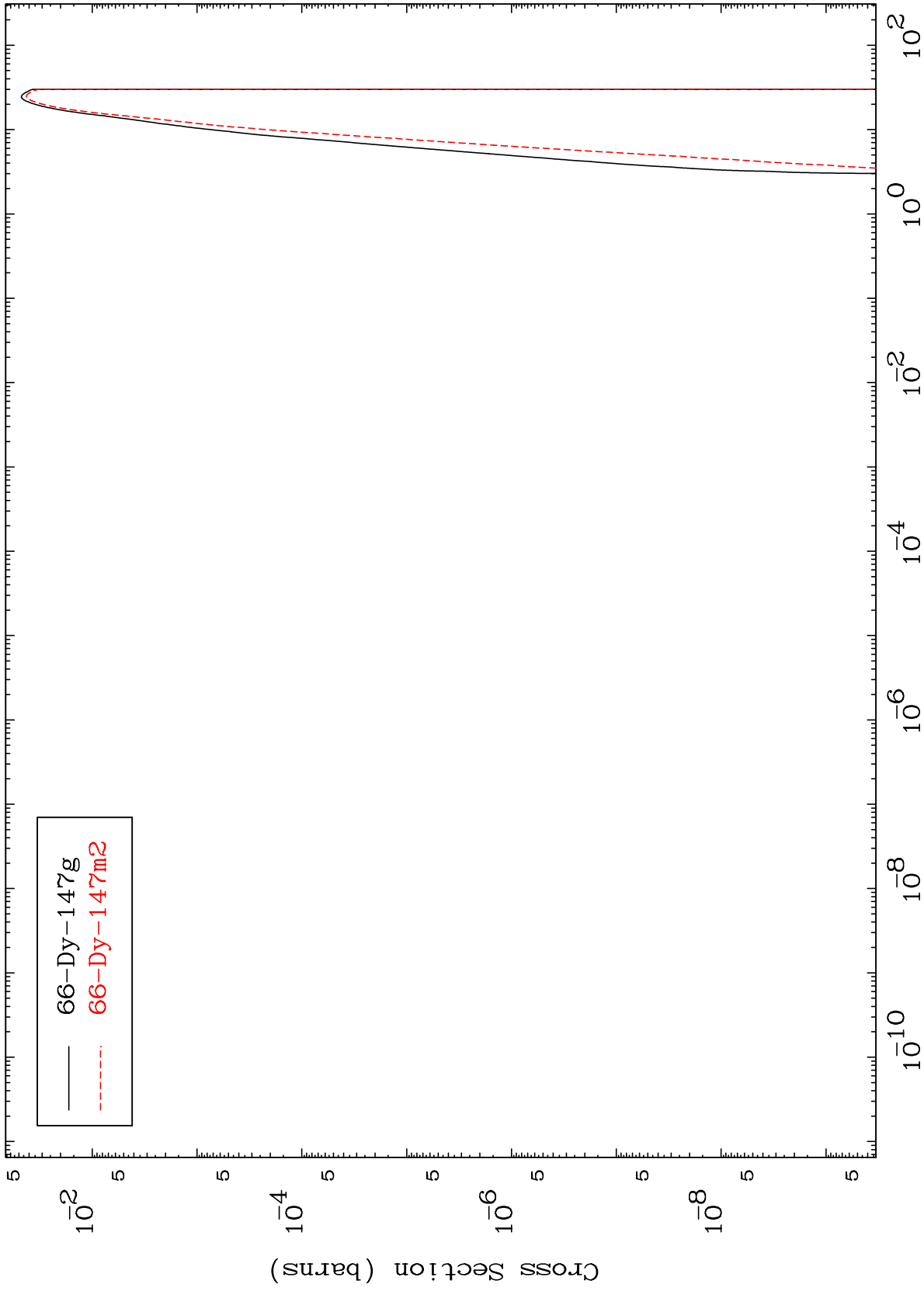


MAT 6792

(n,n') α

68-Er-151

Radionuclide Production Cross Section



110

Incident Energy (MeV)

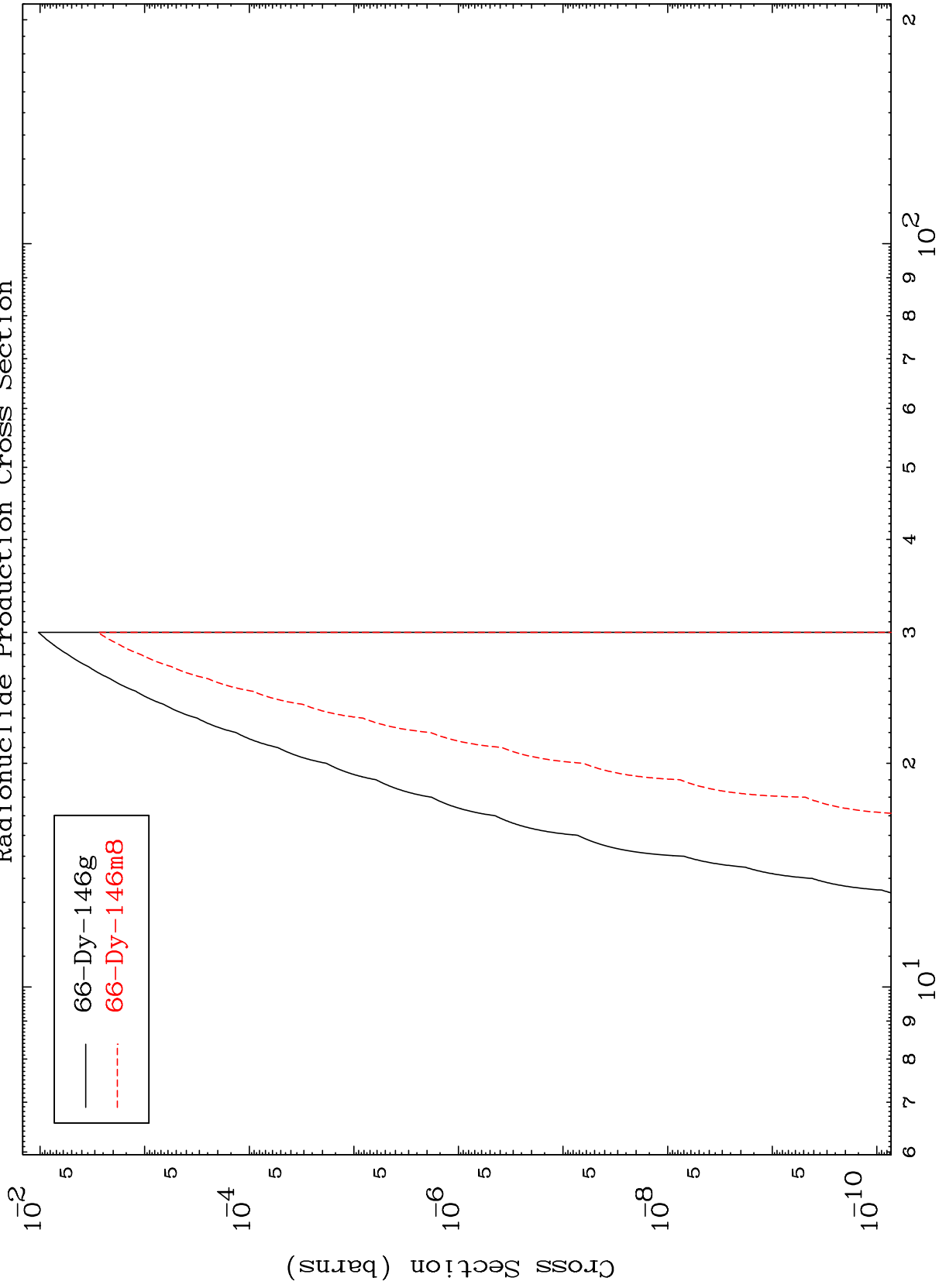
68-Er-151

MAT 6792

(n,2n) α

68-Er-151

Radionuclide Production Cross Section



66-Dy-146g
66-Dy-146m8

111

Incident Energy (MeV)

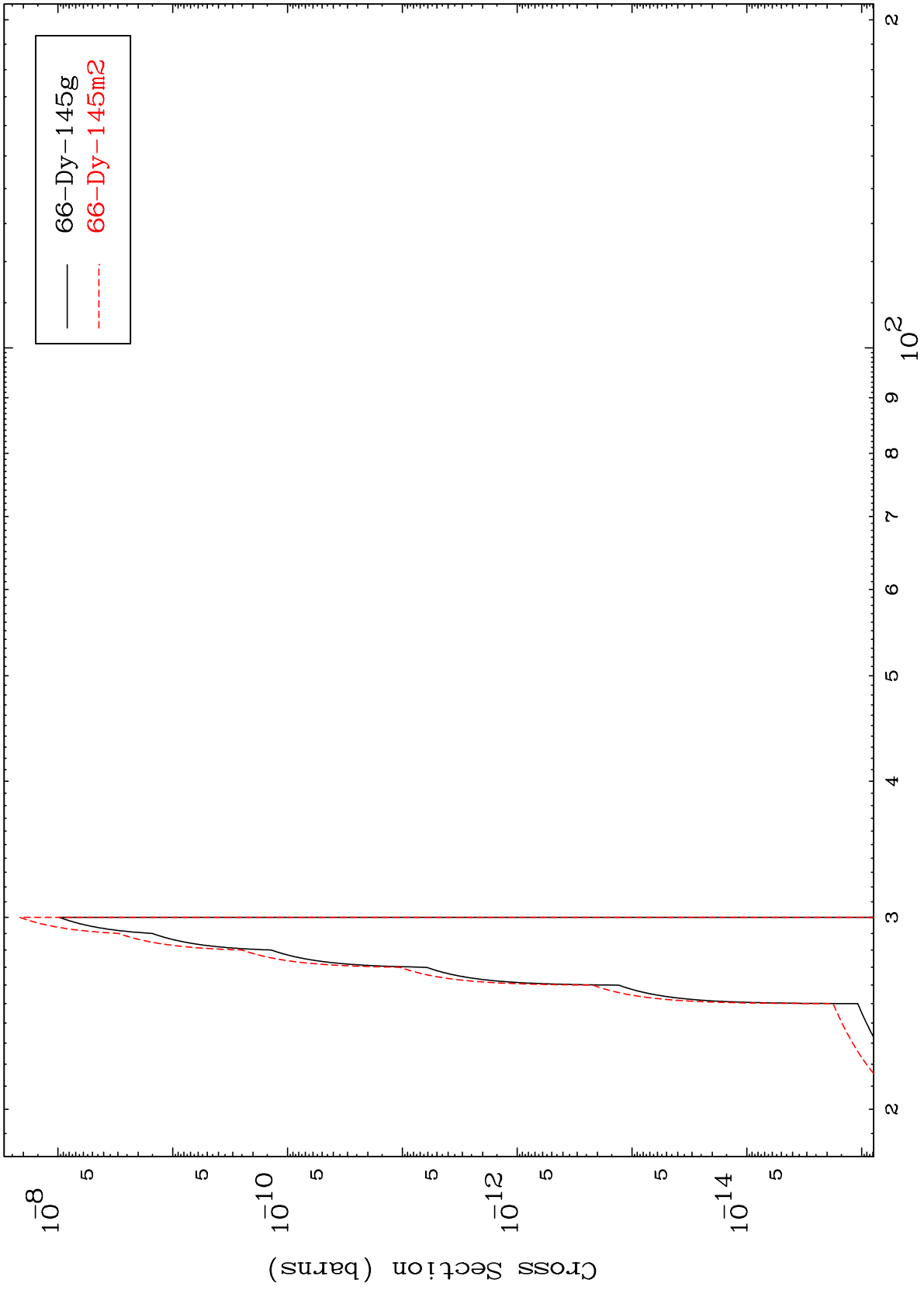
68-Er-151

MAT 6792

(n,3n) α

68-Er-151

Radionuclide Production Cross Section



112

Incident Energy (MeV)

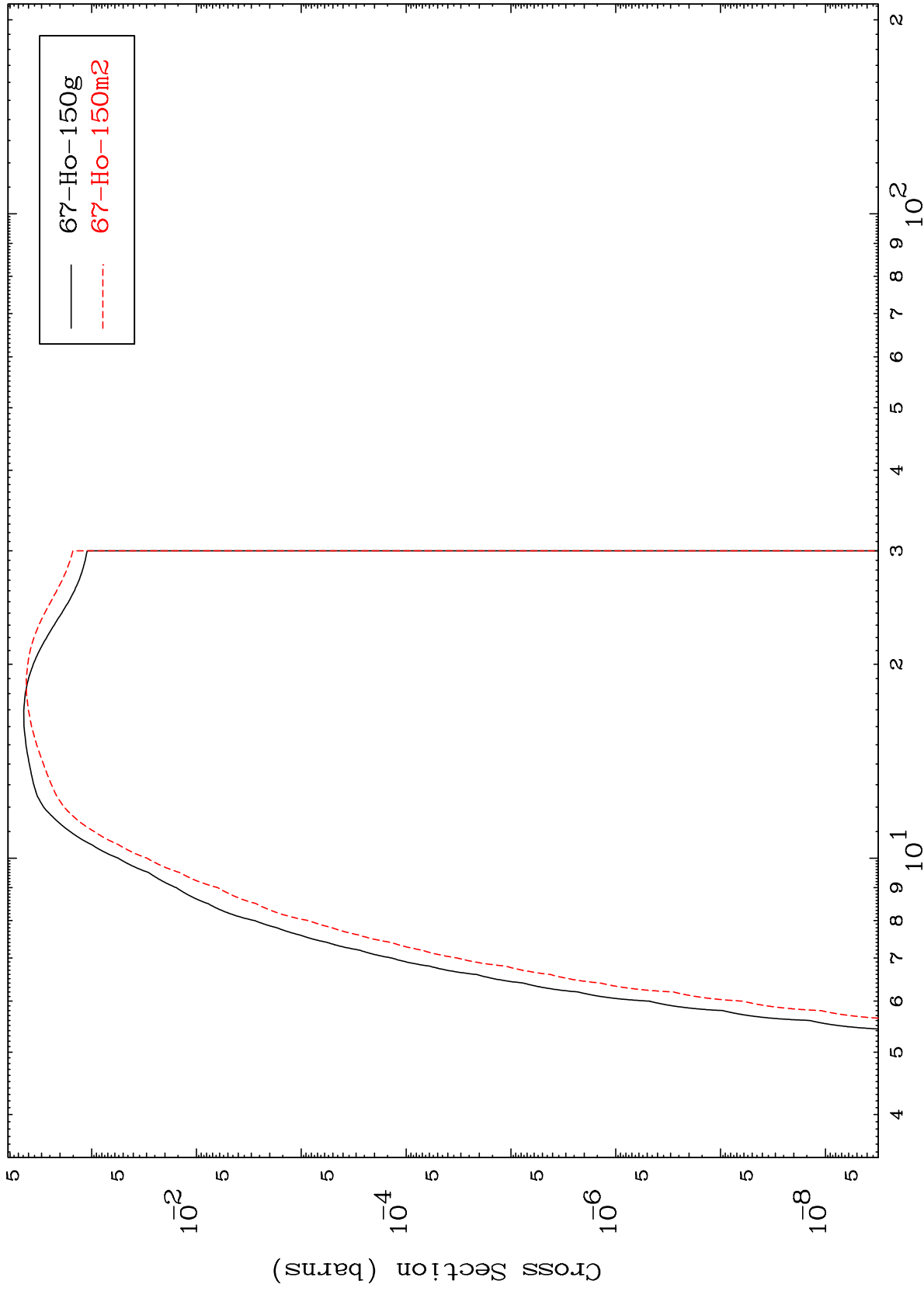
68-Er-151

MAT 6792

(n,n') p

68-Er-151

Radionuclide Production Cross Section



113

Incident Energy (MeV)

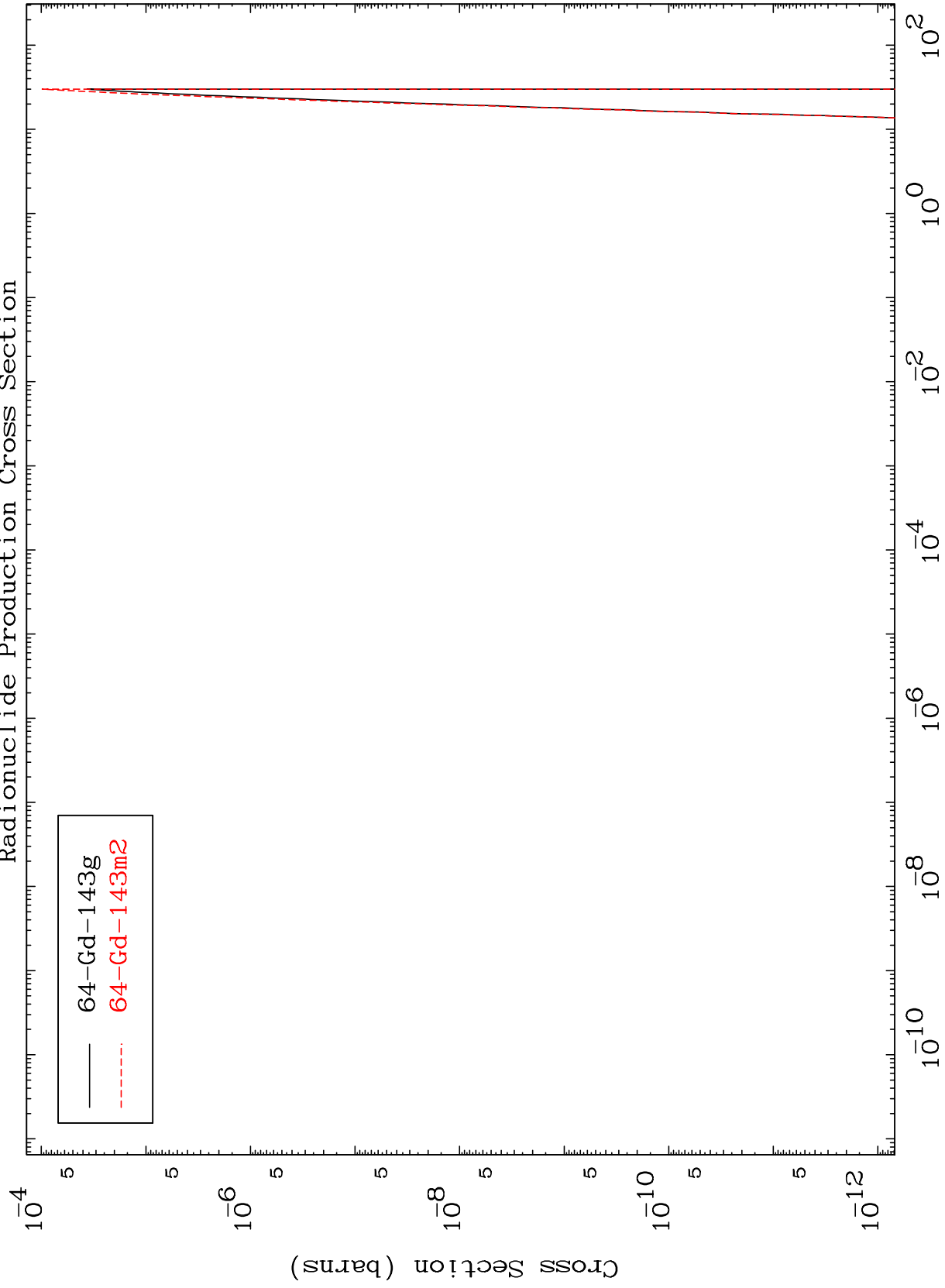
68-Er-151

MAT 6792

(n,n') 2 α

68-Er-151

Radionuclide Production Cross Section



114

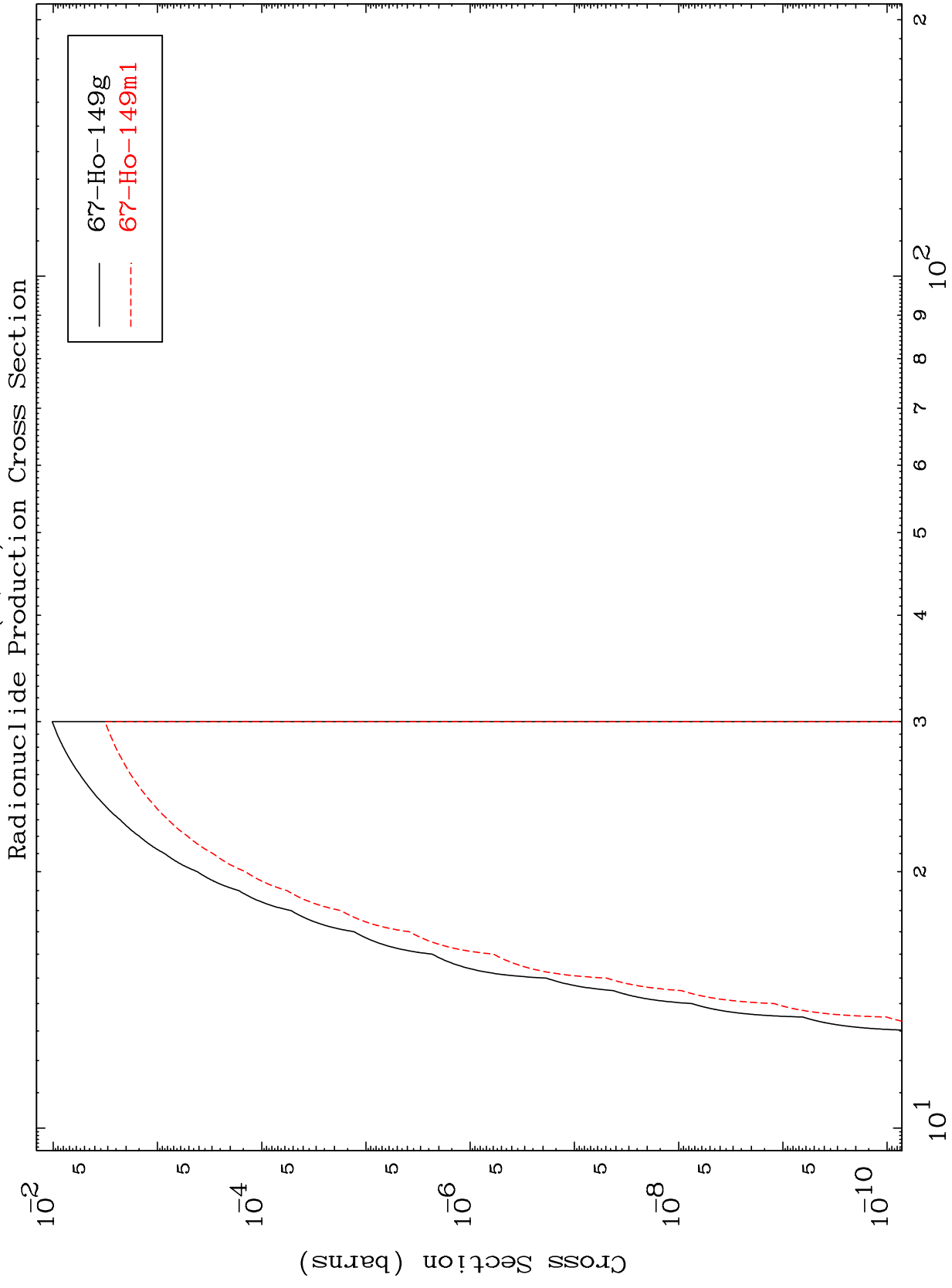
Incident Energy (MeV)

68-Er-151

MAT 6792

(n,n') d

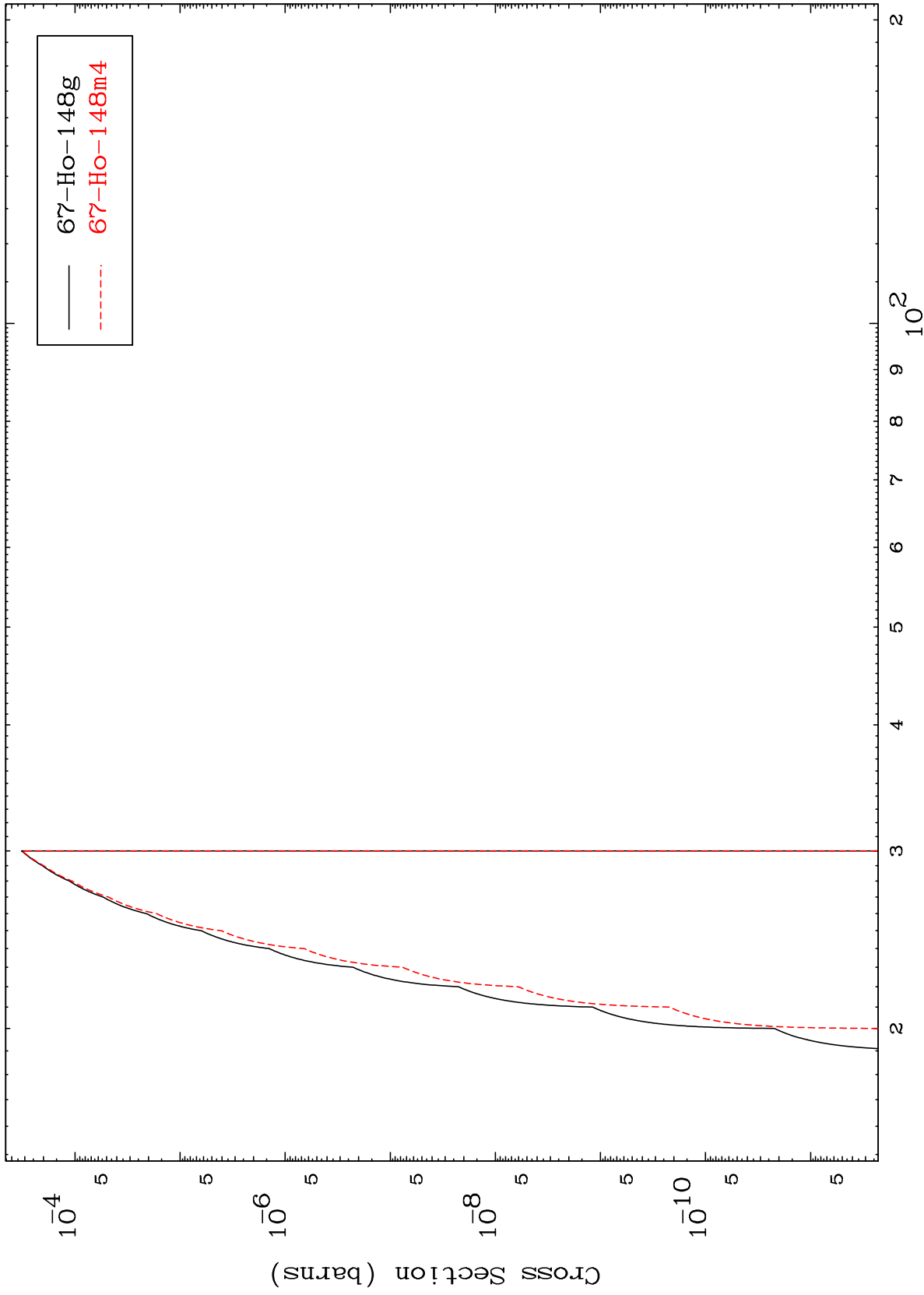
68-Er-151



115

68-Er-151

Radionuclide Production Cross Section

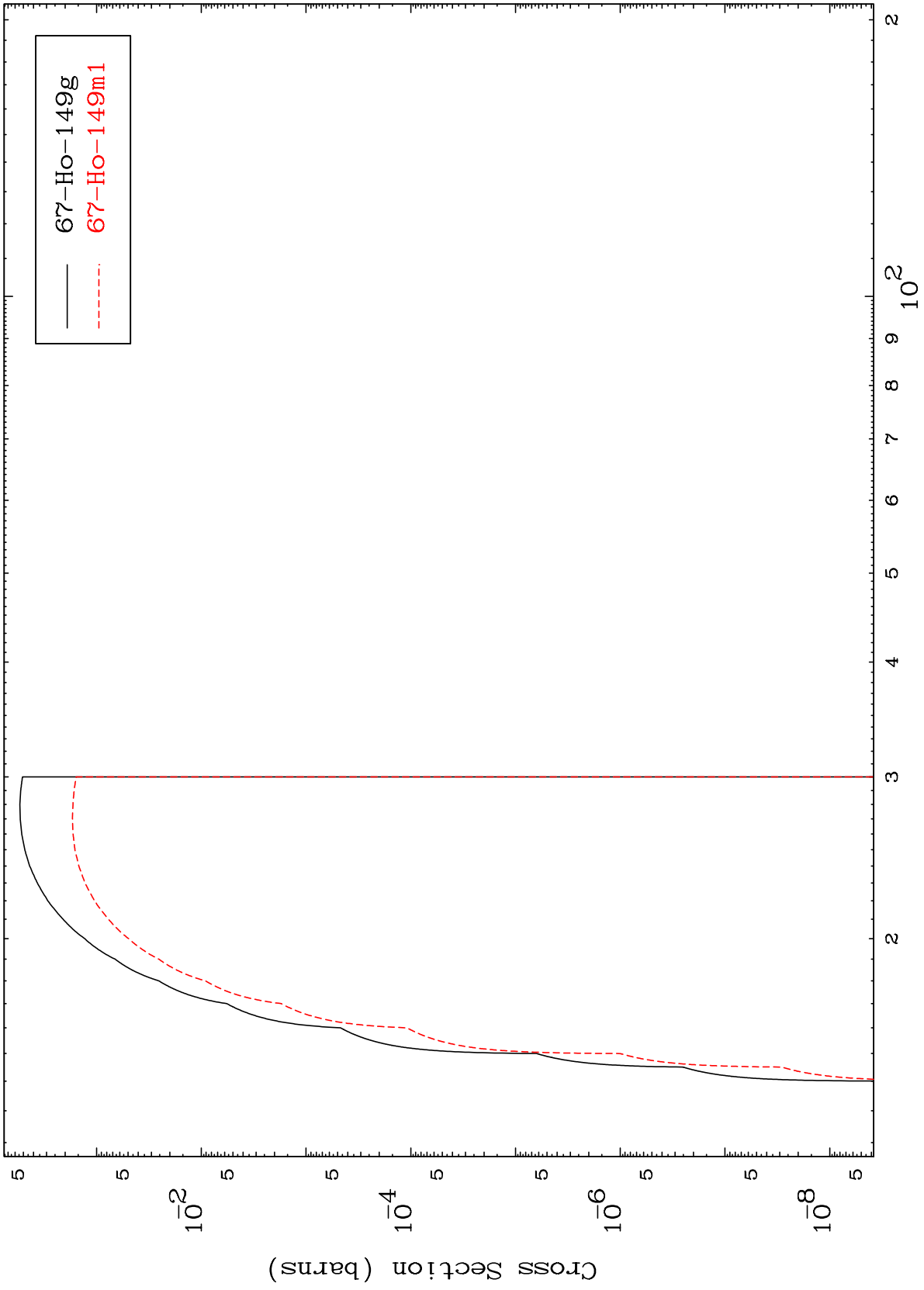


MAT 6792

(n,2n) p

68-Er-151

Radionuclide Production Cross Section

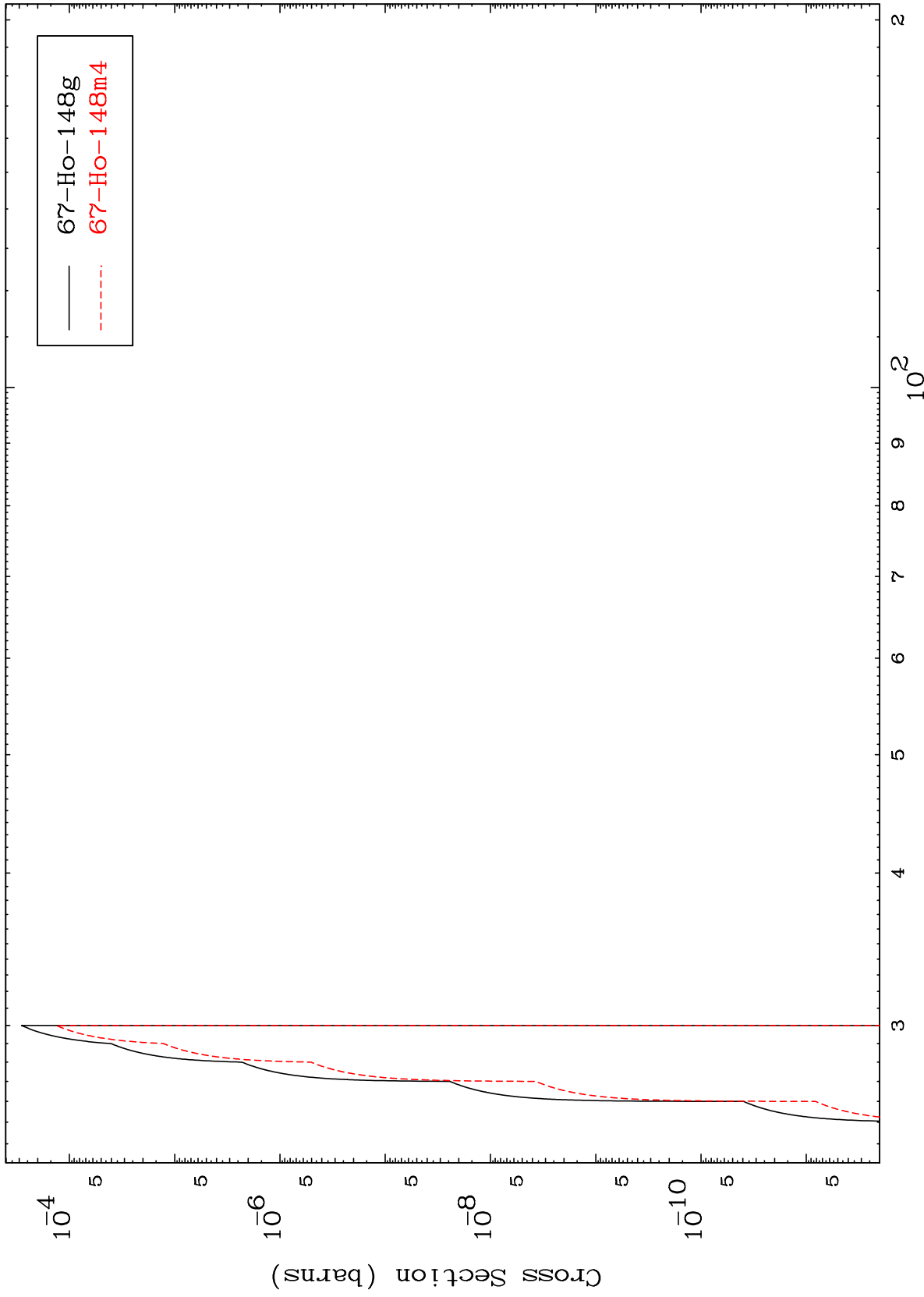


117

Incident Energy (MeV)

68-Er-151

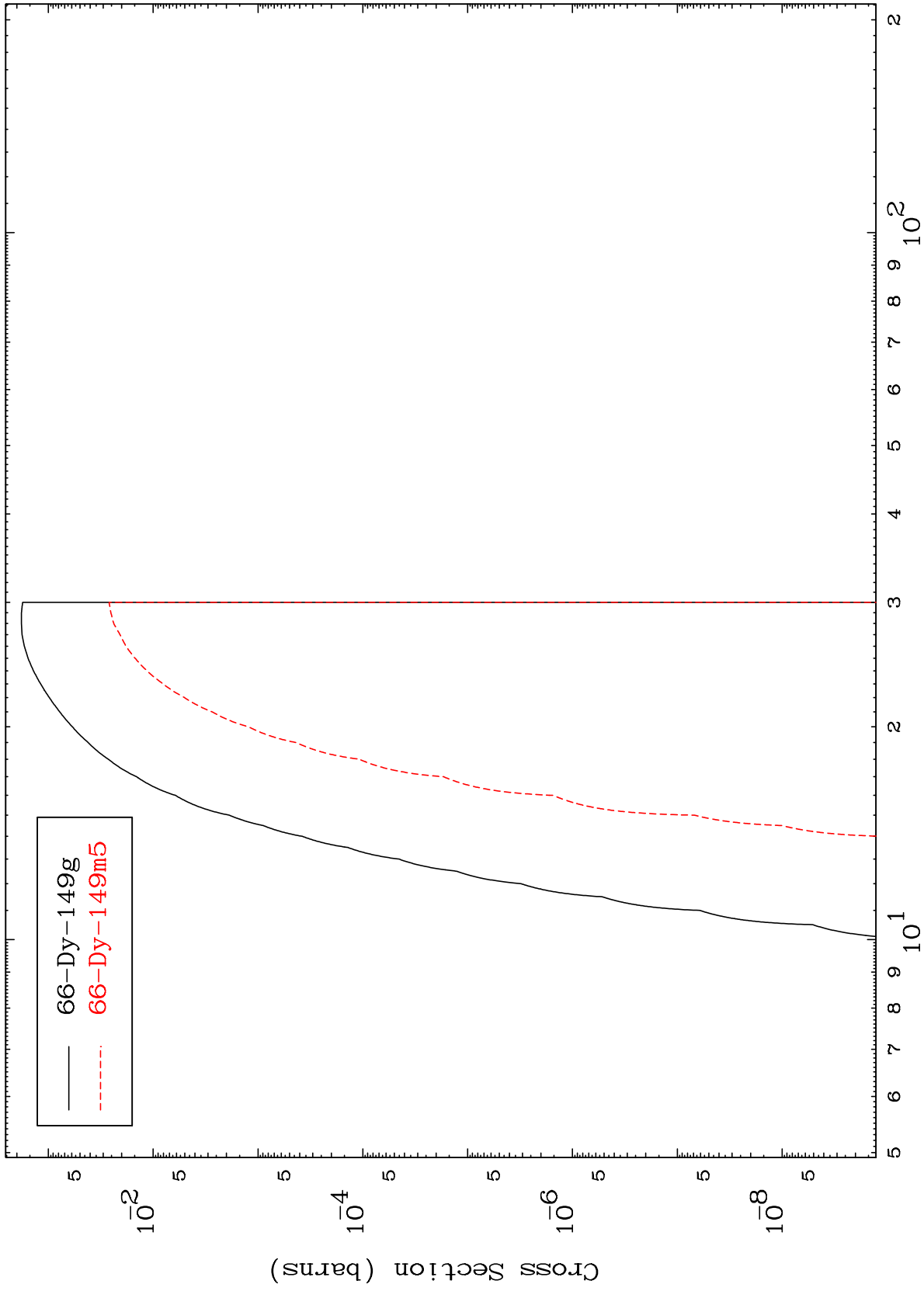
Radionuclide Production Cross Section



MAT 6792

68-Er-151

(n,2n) p
Radionuclide Production Cross Section



119

Incident Energy (MeV)

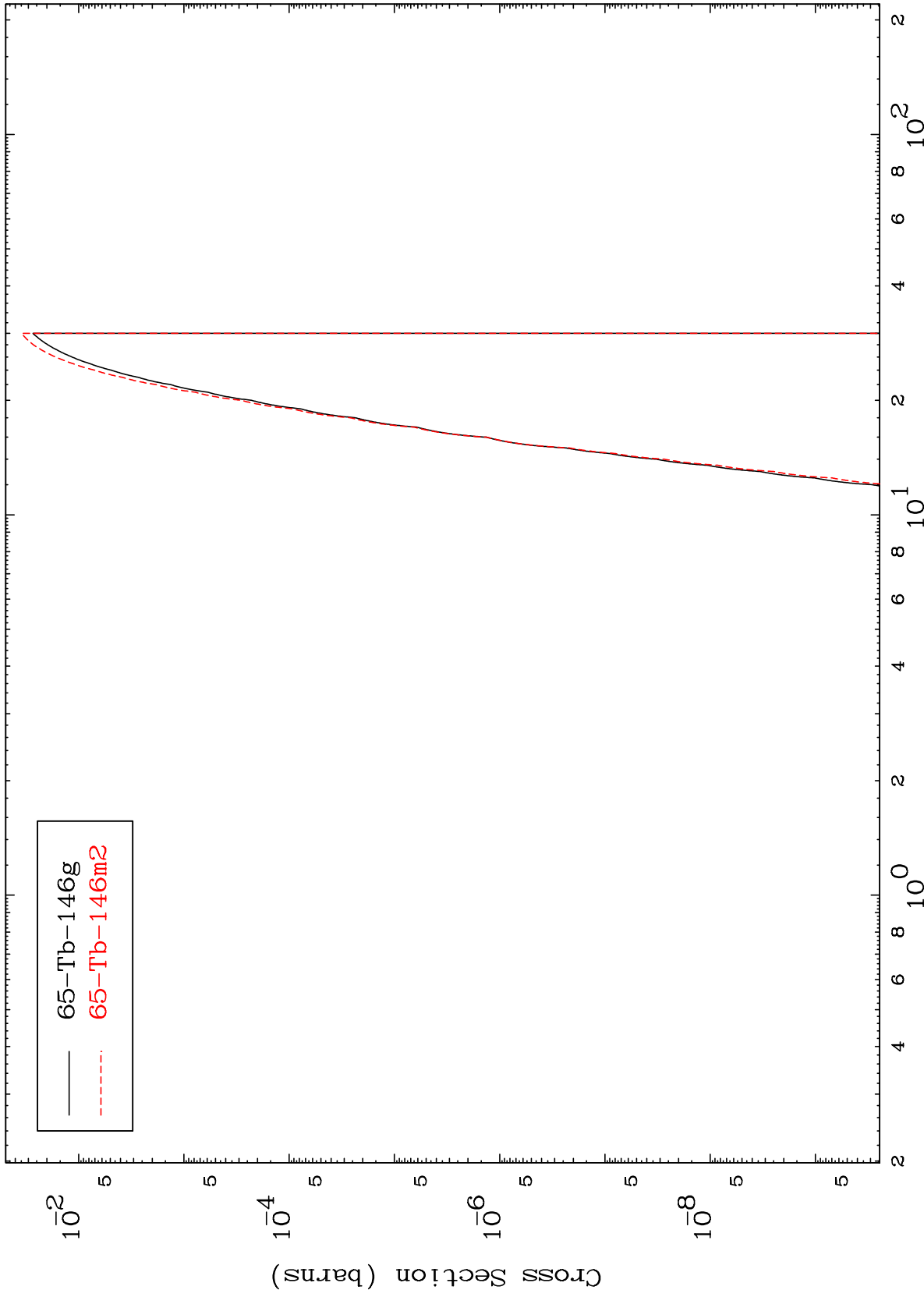
68-Er-151

MAT 6792

(n,n') p α

68-Er-151

Radionuclide Production Cross Section



120

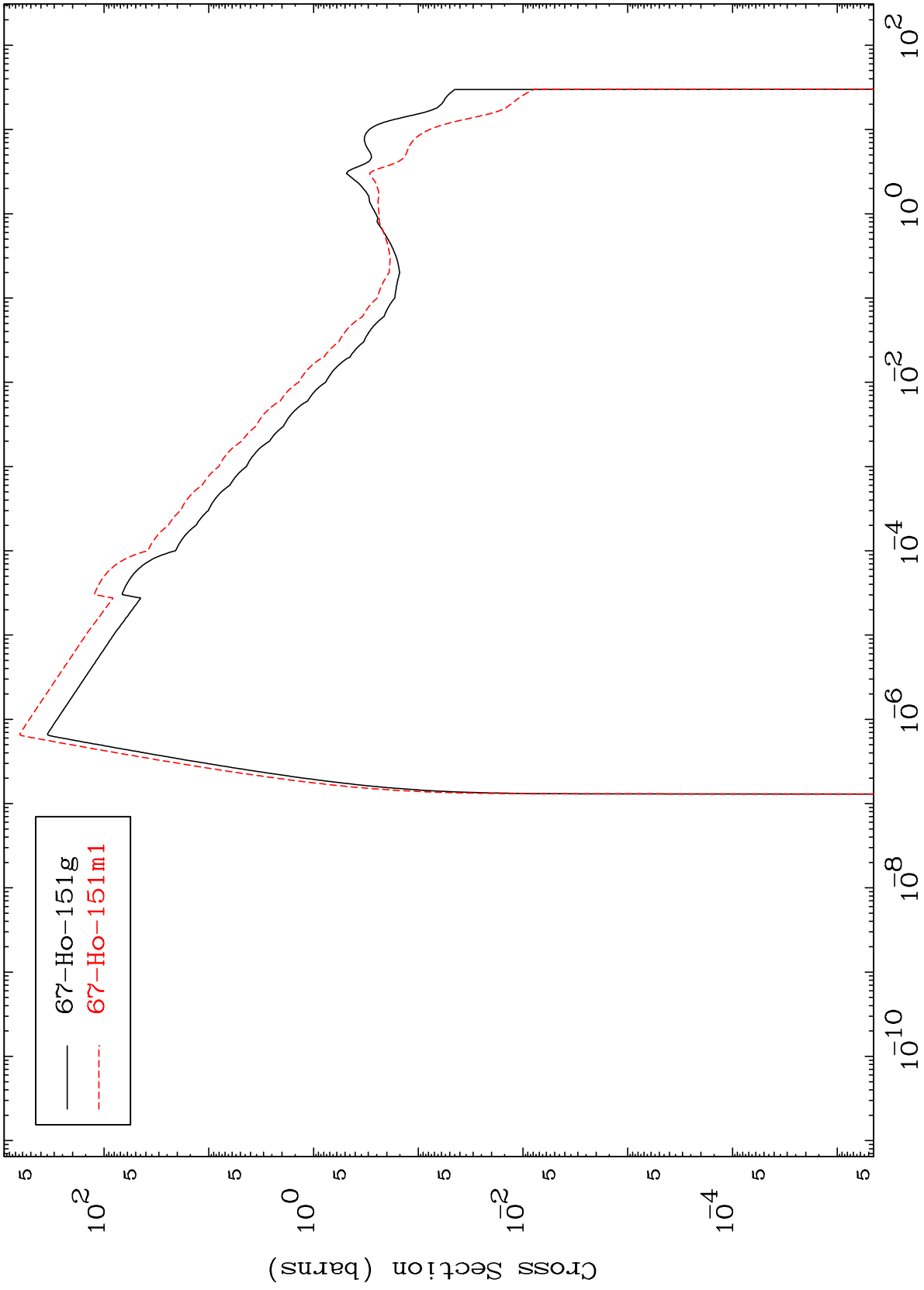
Incident Energy (MeV)

68-Er-151

MAT 6792

68-Er-151

(n,p)
Radionuclide Production Cross Section



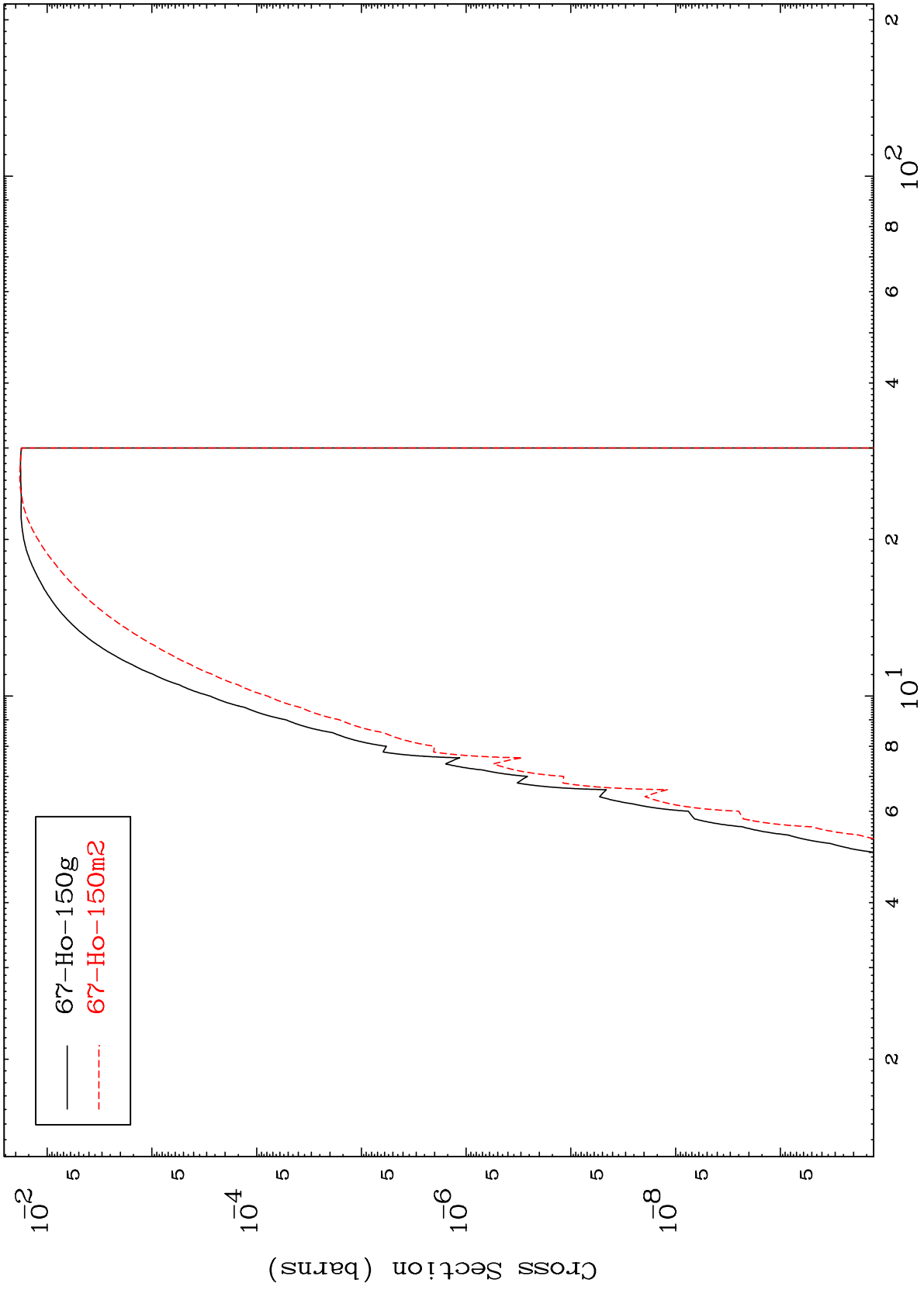
121

68-Er-151

MAT 6792

68-Er-151

(n,d)
Radionuclide Production Cross Section



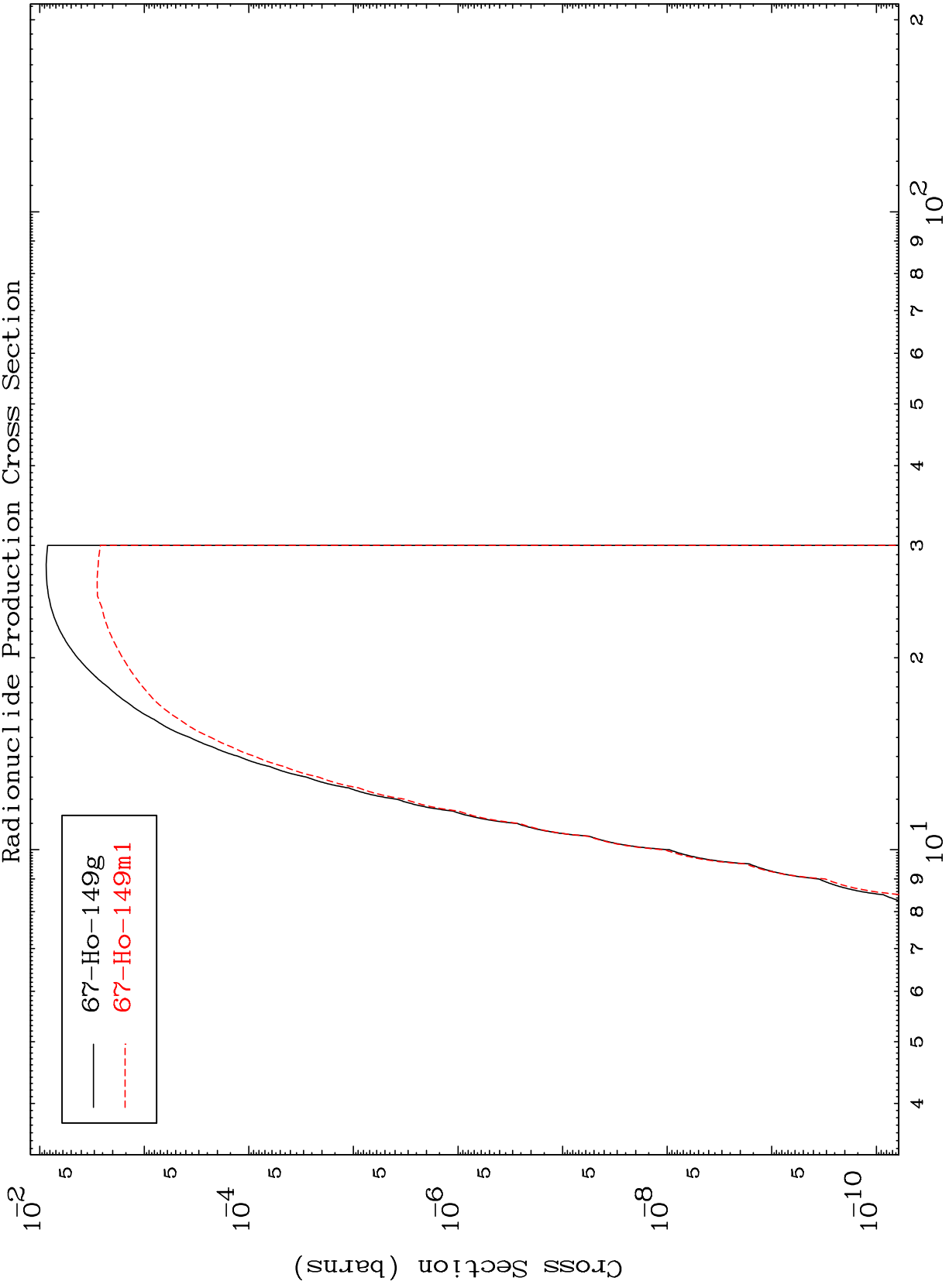
122

68-Er-151

MAT 6792

68-Er-151

(n, t)
Radionuclide Production Cross Section



123

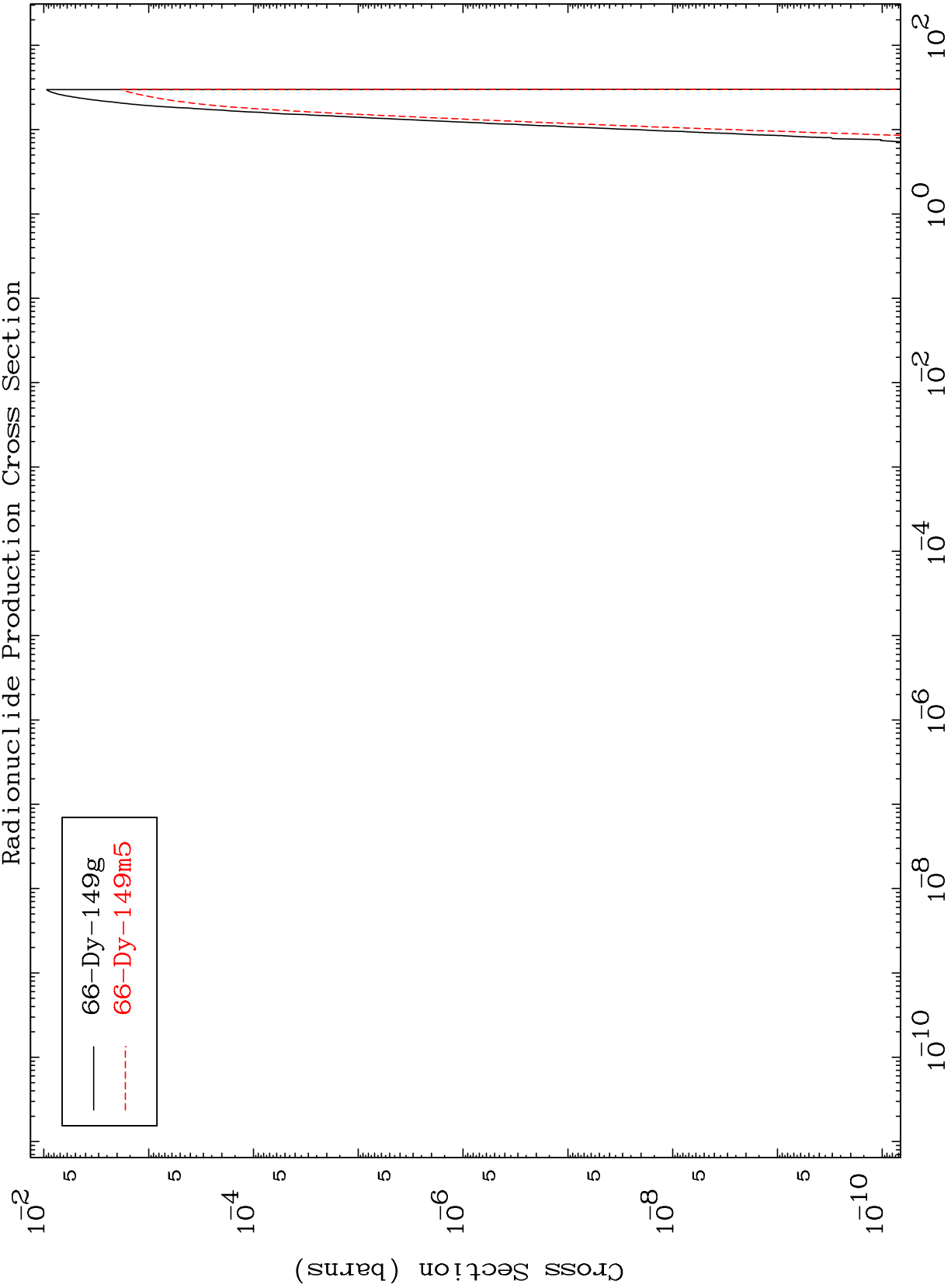
68-Er-151

MAT 6792

(n,He-3)

68-Er-151

Radionuclide Production Cross Section



66-Dy-149g
66-Dy-149m5

124

Incident Energy (MeV)

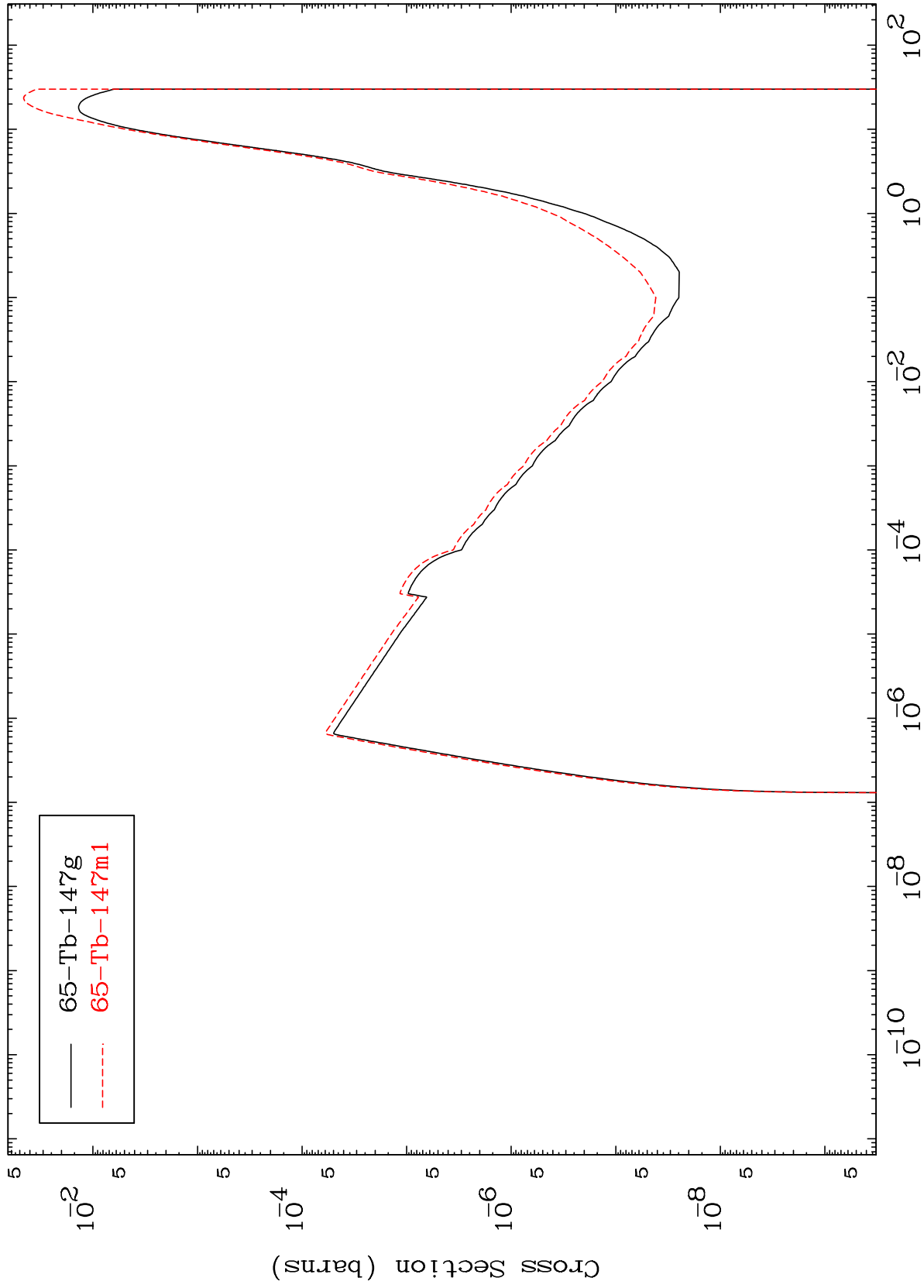
68-Er-151

MAT 6792

(n,p) α

68-Er-151

Radionuclide Production Cross Section



125

Incident Energy (MeV)

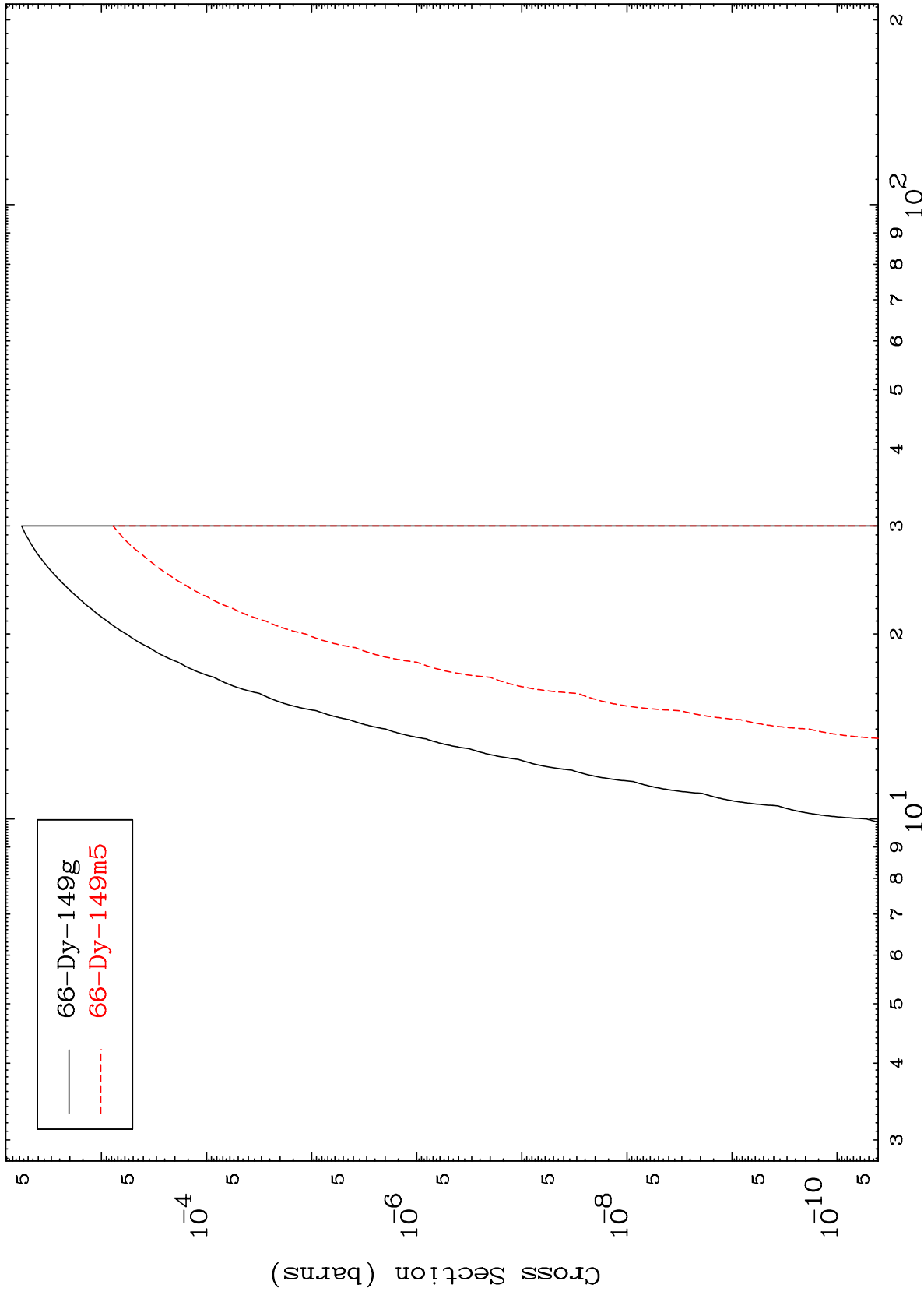
68-Er-151

MAT 6792

(n,p) d

68-Er-151

Radionuclide Production Cross Section



126

Incident Energy (MeV)

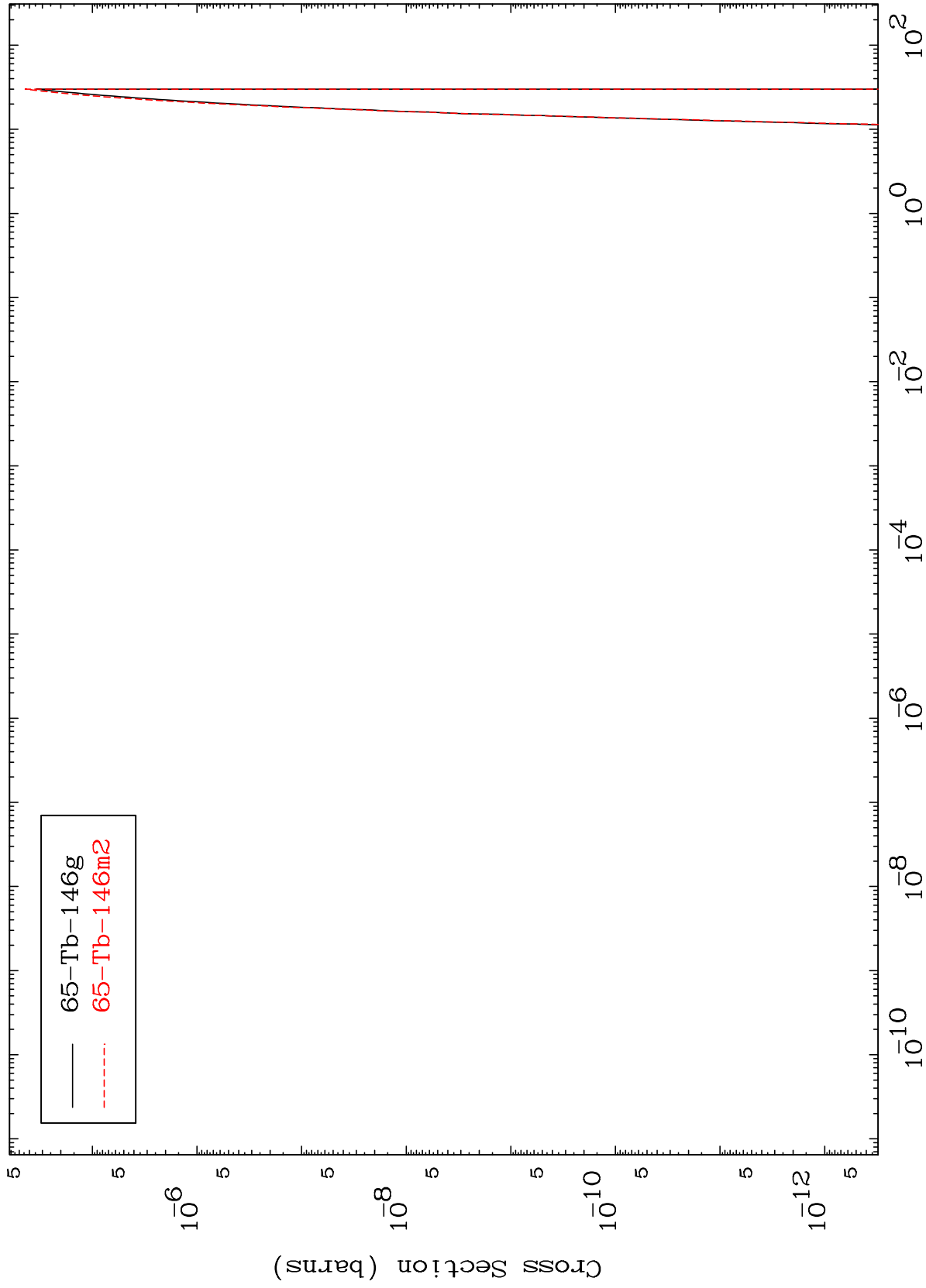
68-Er-151

MAT 6792

(n,d) α

68-Er-151

Radionuclide Production Cross Section



127

Incident Energy (MeV)

68-Er-151