

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

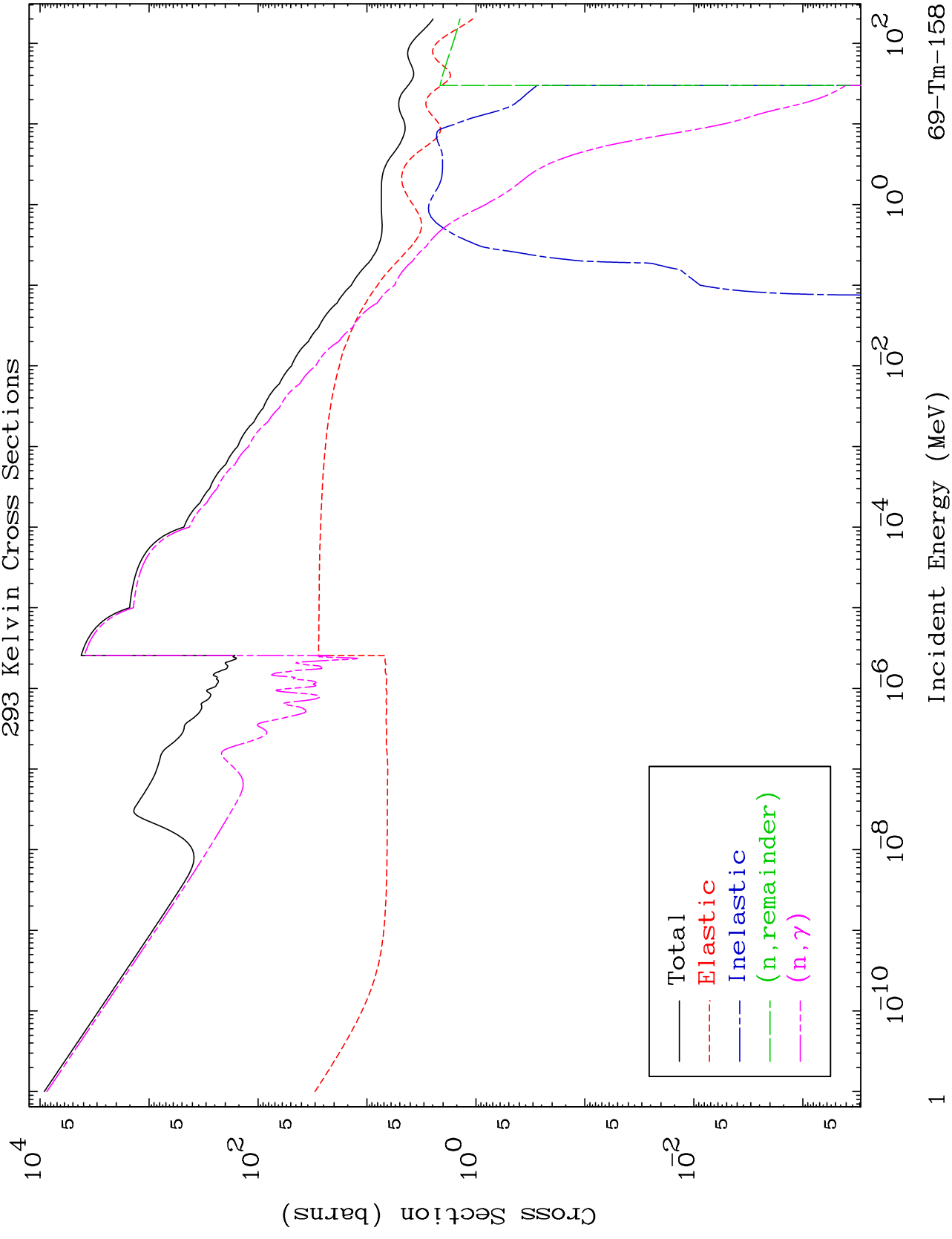
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6892

Major
293 Kelvin Cross Sections

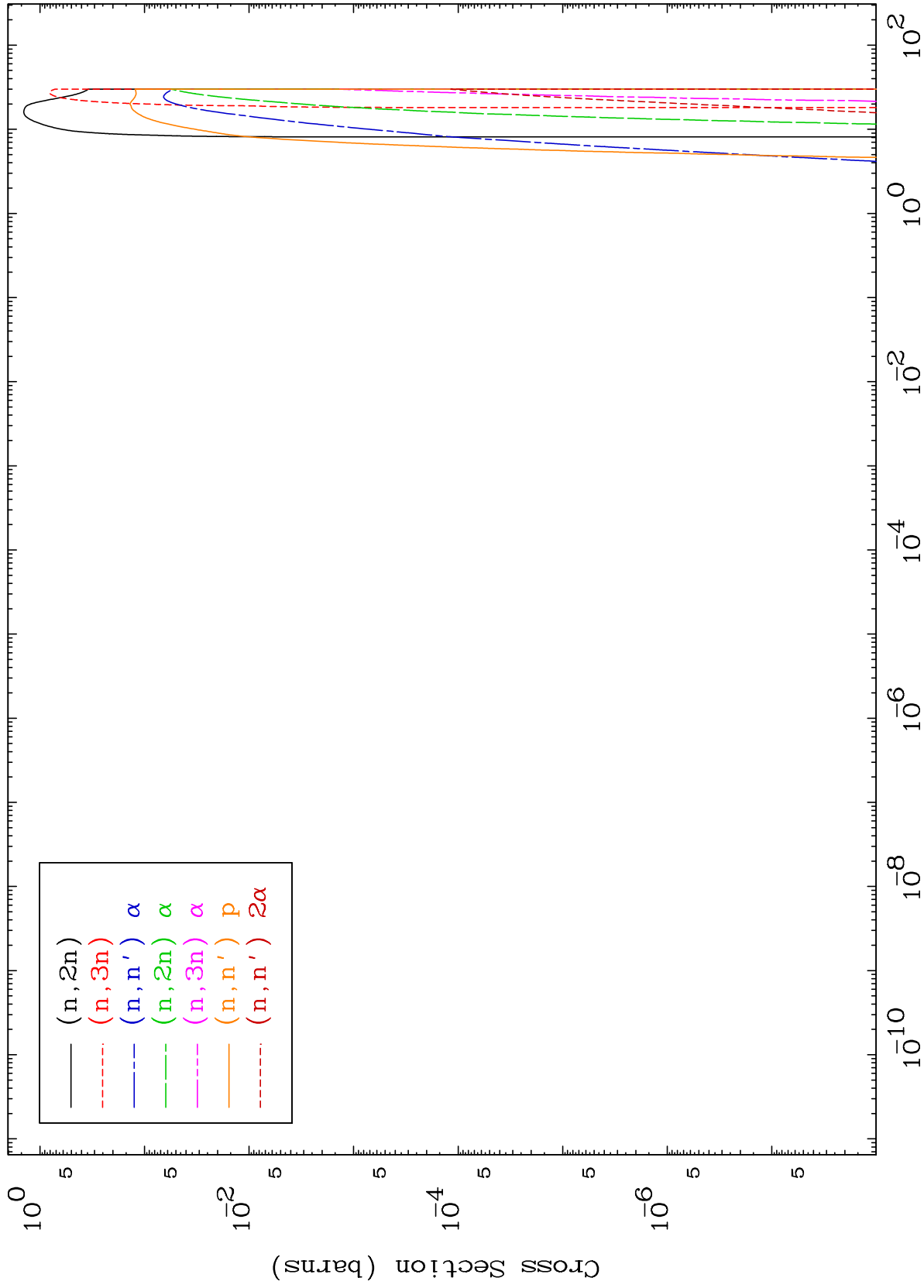
69-Tm-158



MAT 6892

Neutron Production
293 Kelvin Cross Sections

69-Tm-158



2

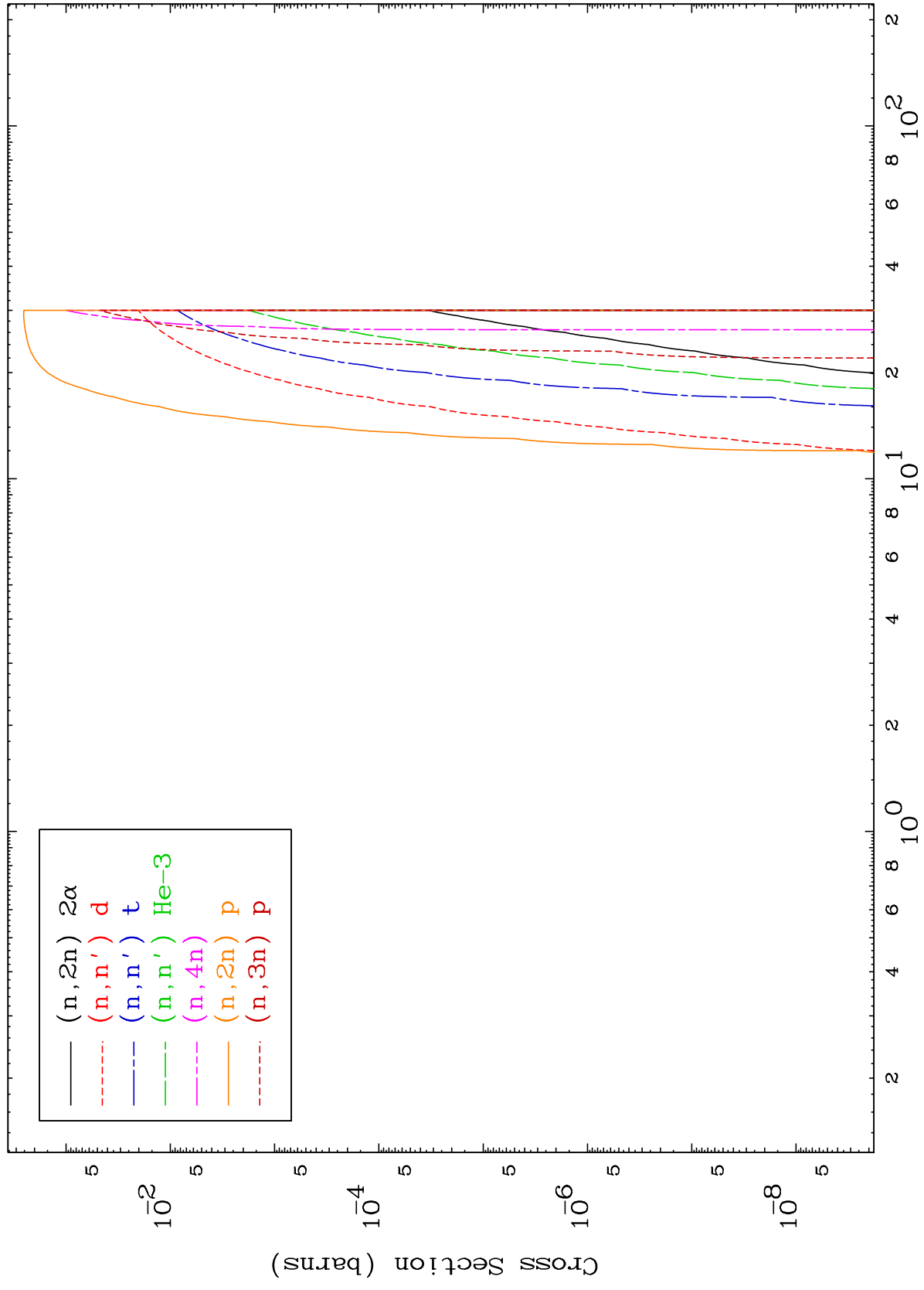
Incident Energy (MeV)

69-Tm-158

MAT 6892

Neutron Production
293 Kelvin Cross Sections

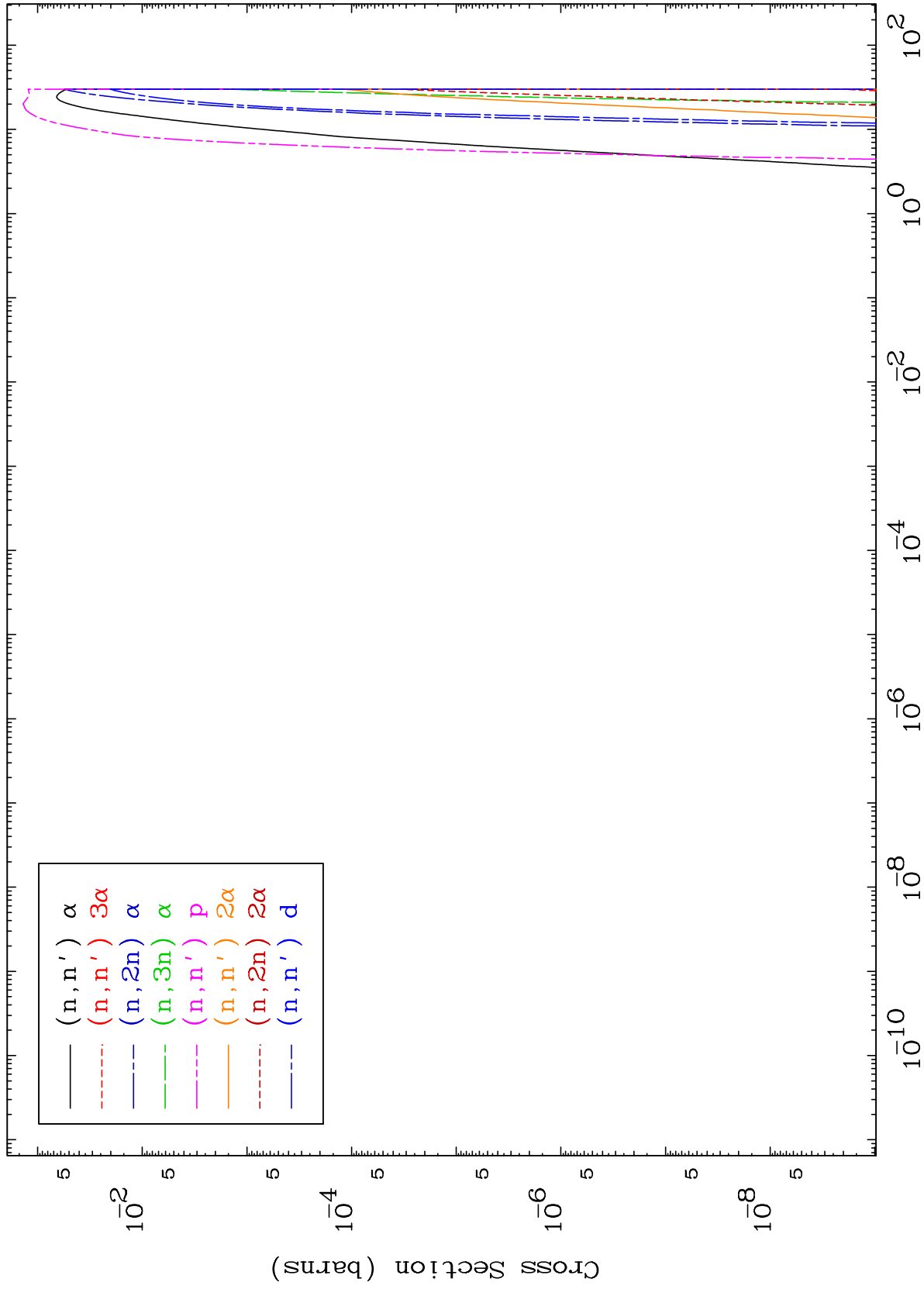
69-Tm-158



MAT 6892

293 Kelvin Cross Sections

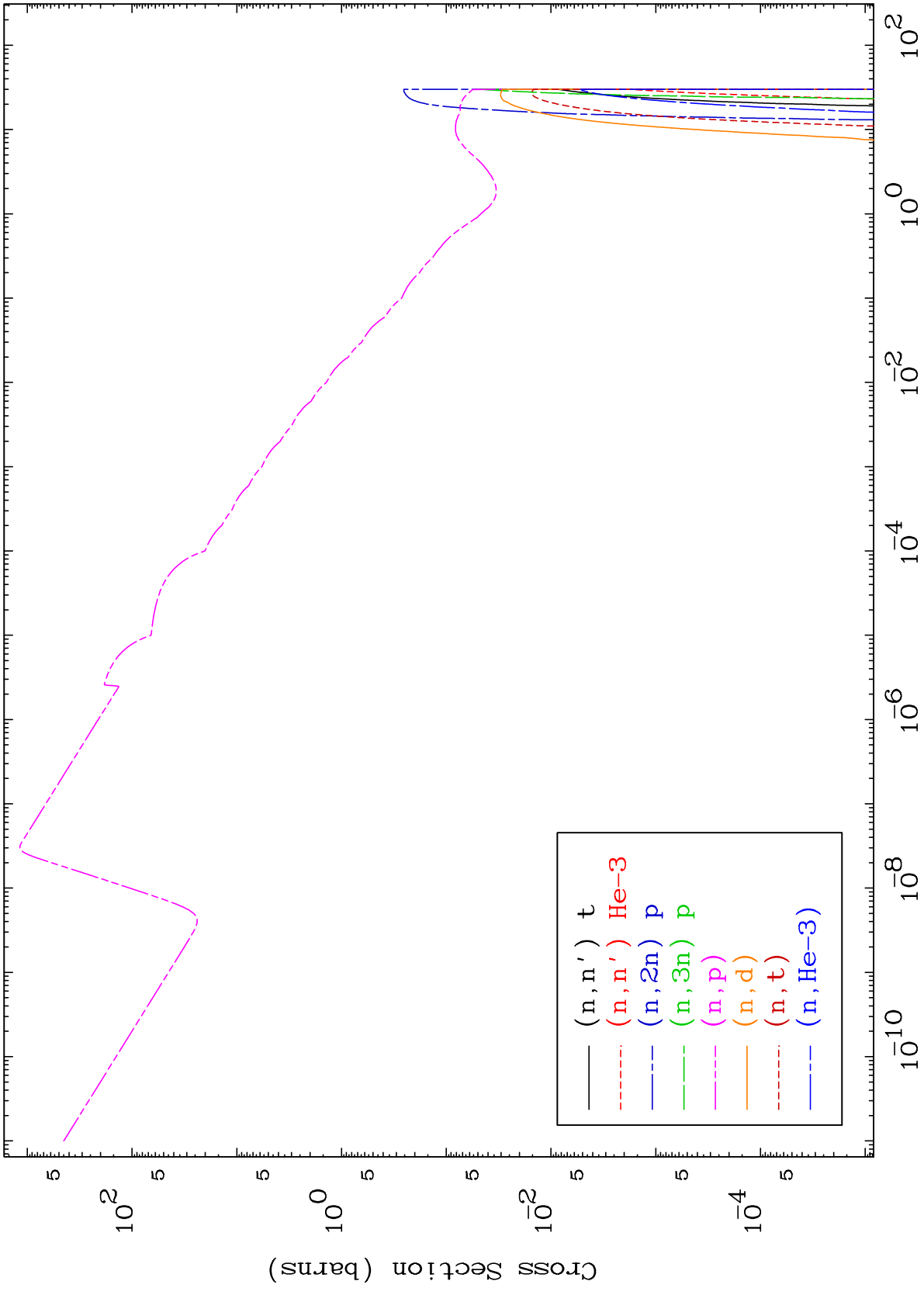
69-Tm-158



MAT 6892

Charged Particle
293 Kelvin Cross Sections

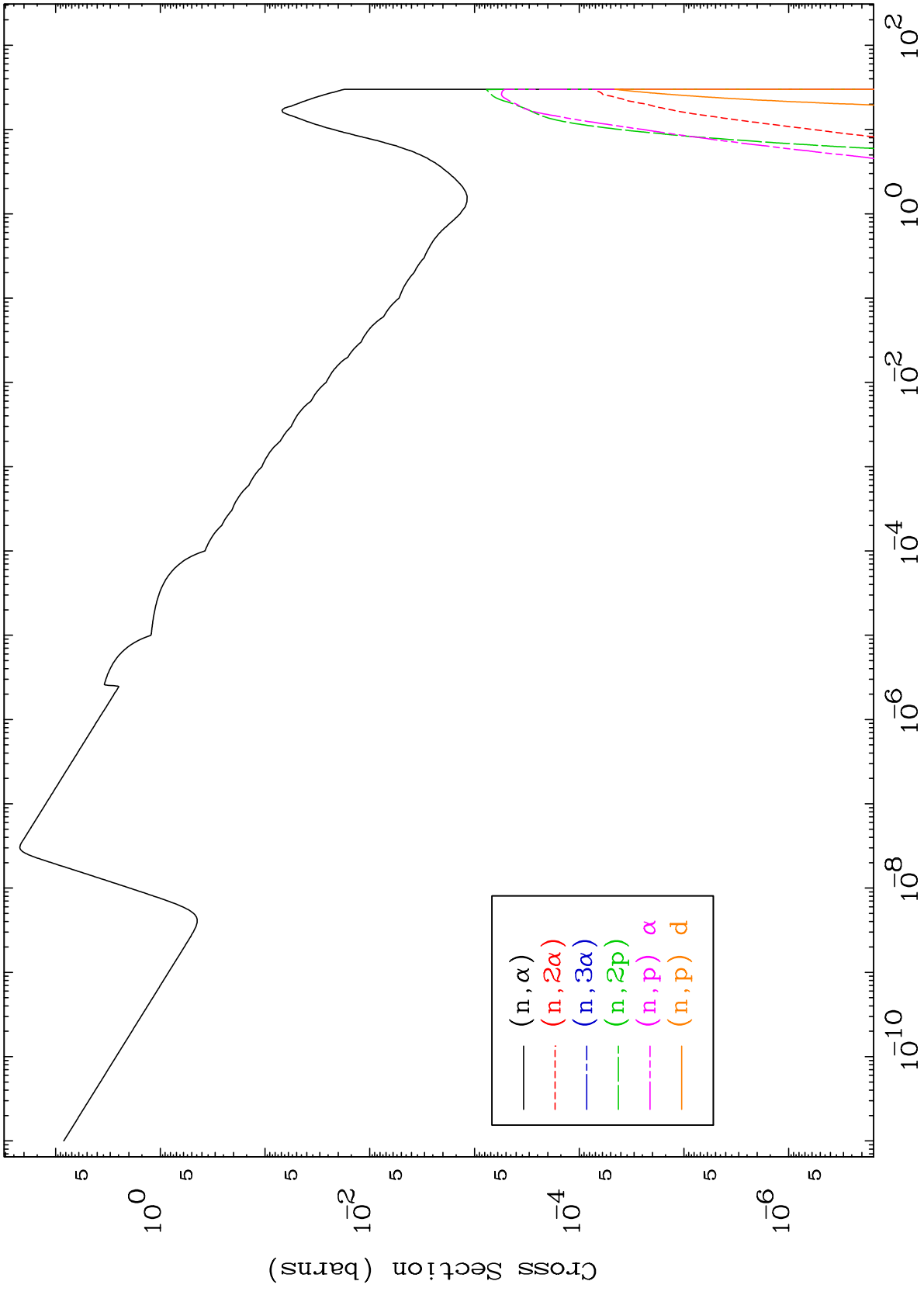
69-Tm-158



MAT 6892

Charged Particle
293 Kelvin Cross Sections

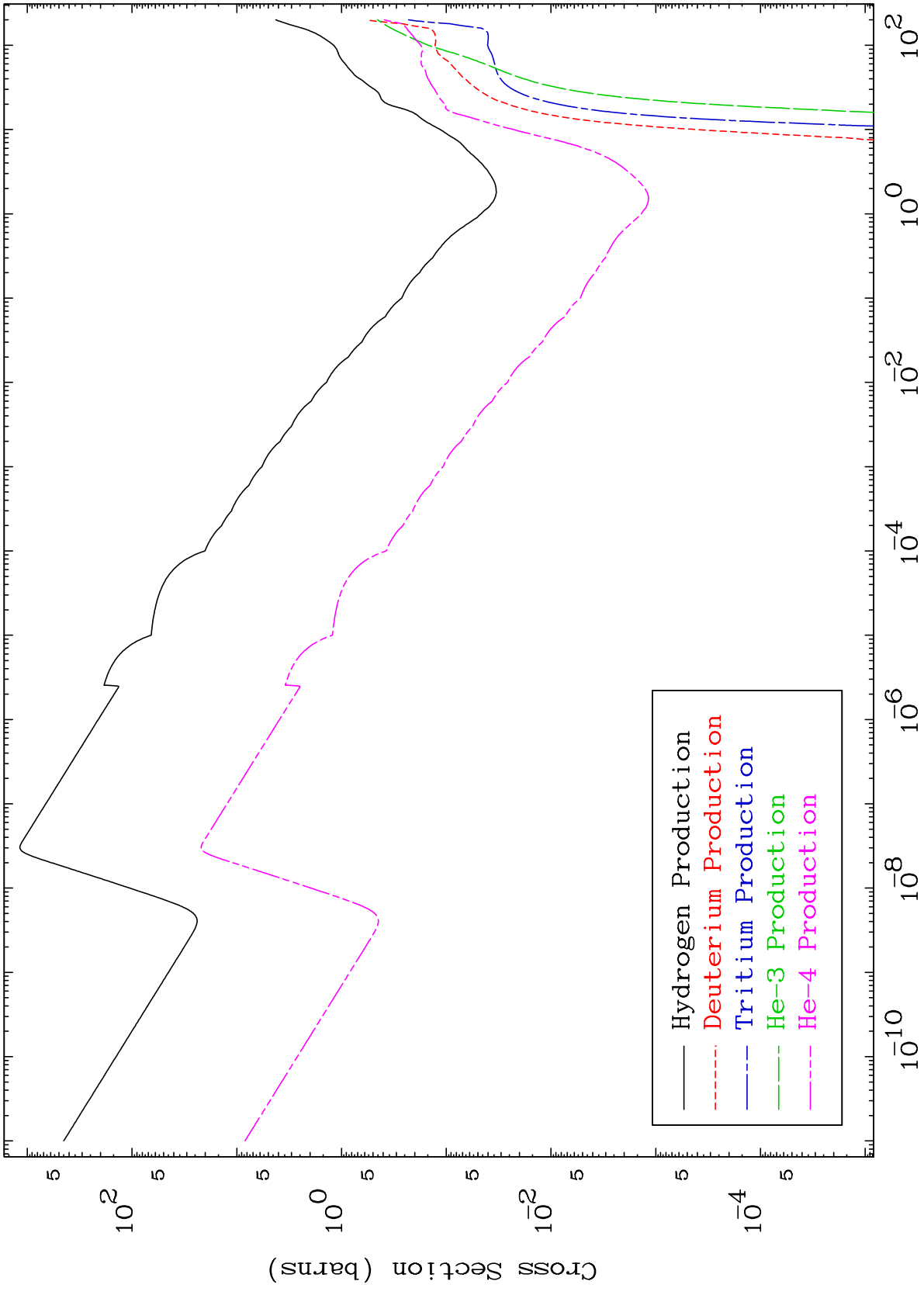
69-Tm-158



MAT 6892

Particle Production
293 Kelvin Cross Sections

69-Tm-158



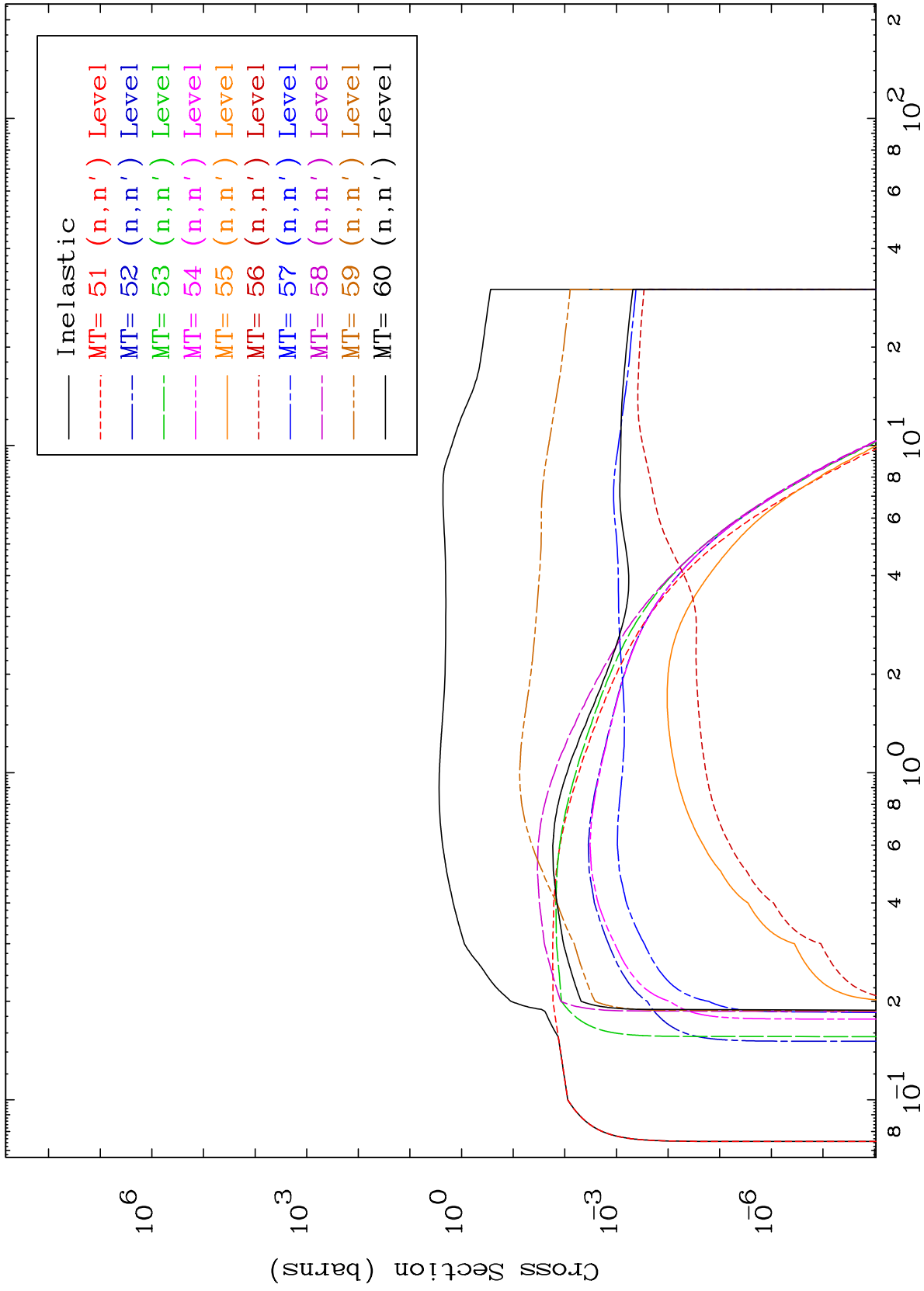
69-Tm-158

MAT 6892

(n,n') Level

69-Tm-158

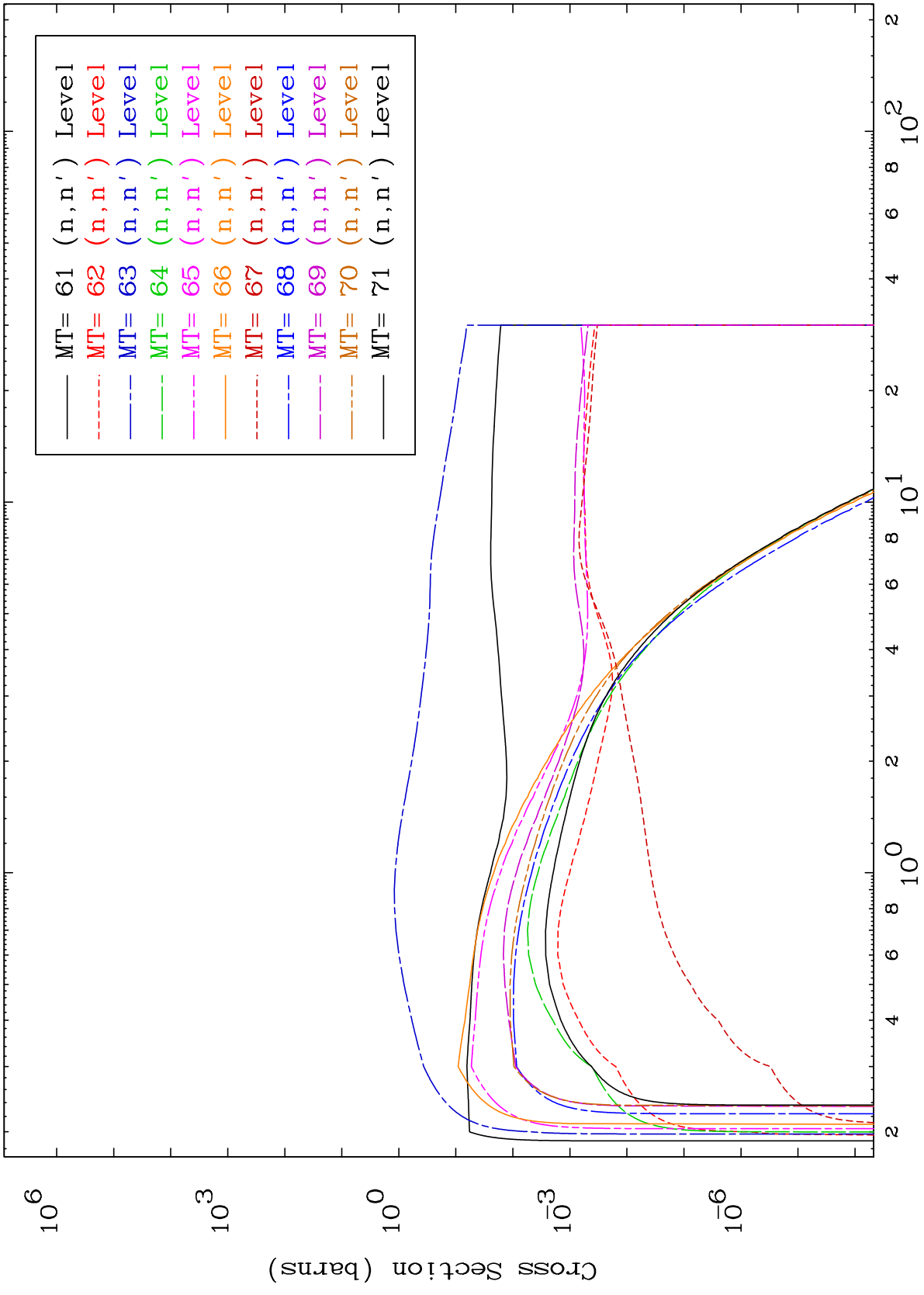
293 Kelvin Cross Sections



8

Incident Energy (MeV)

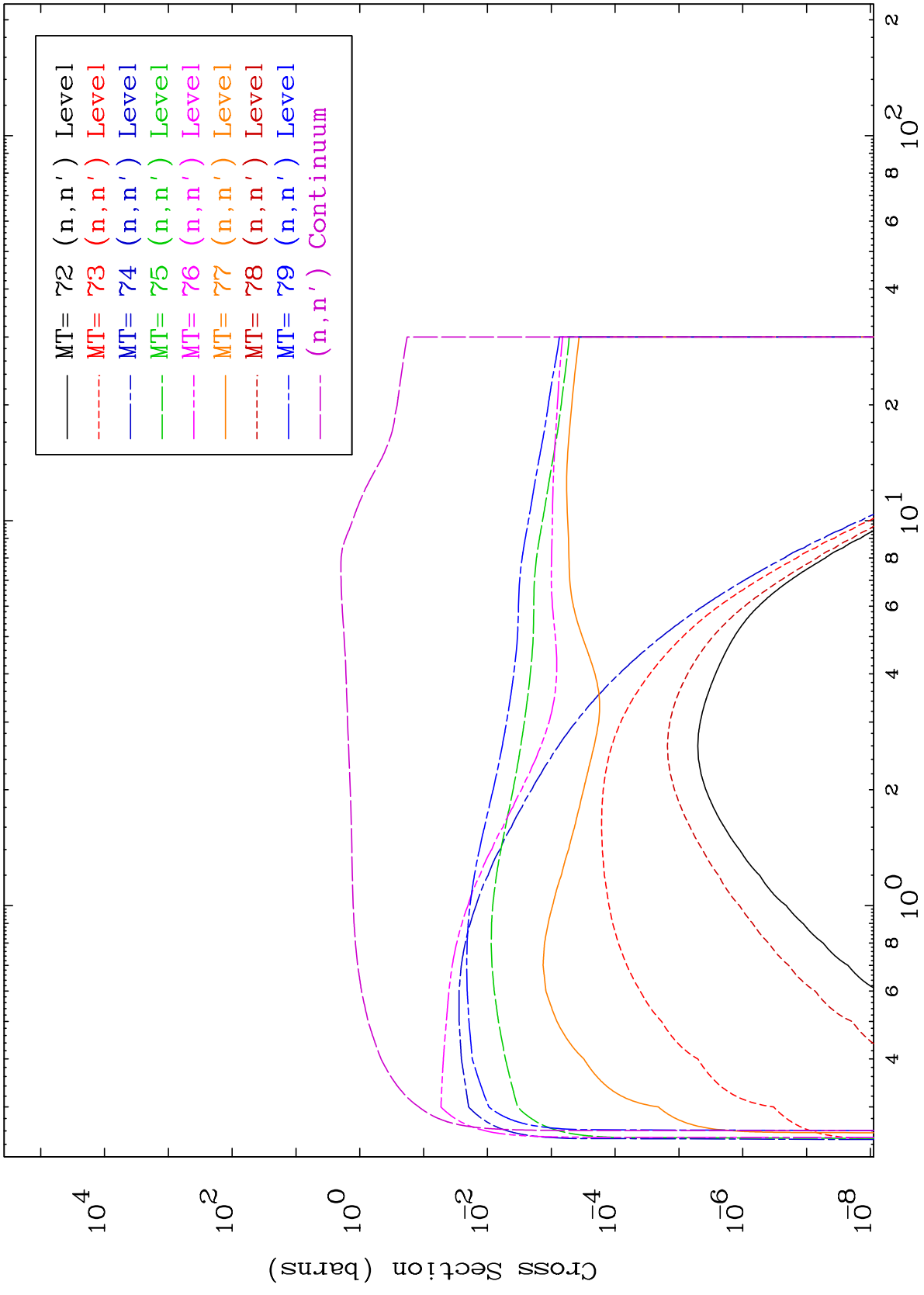
69-Tm-158



MAT 6892

(n,n') Level
293 Kelvin Cross Sections

69-Tm-158



10

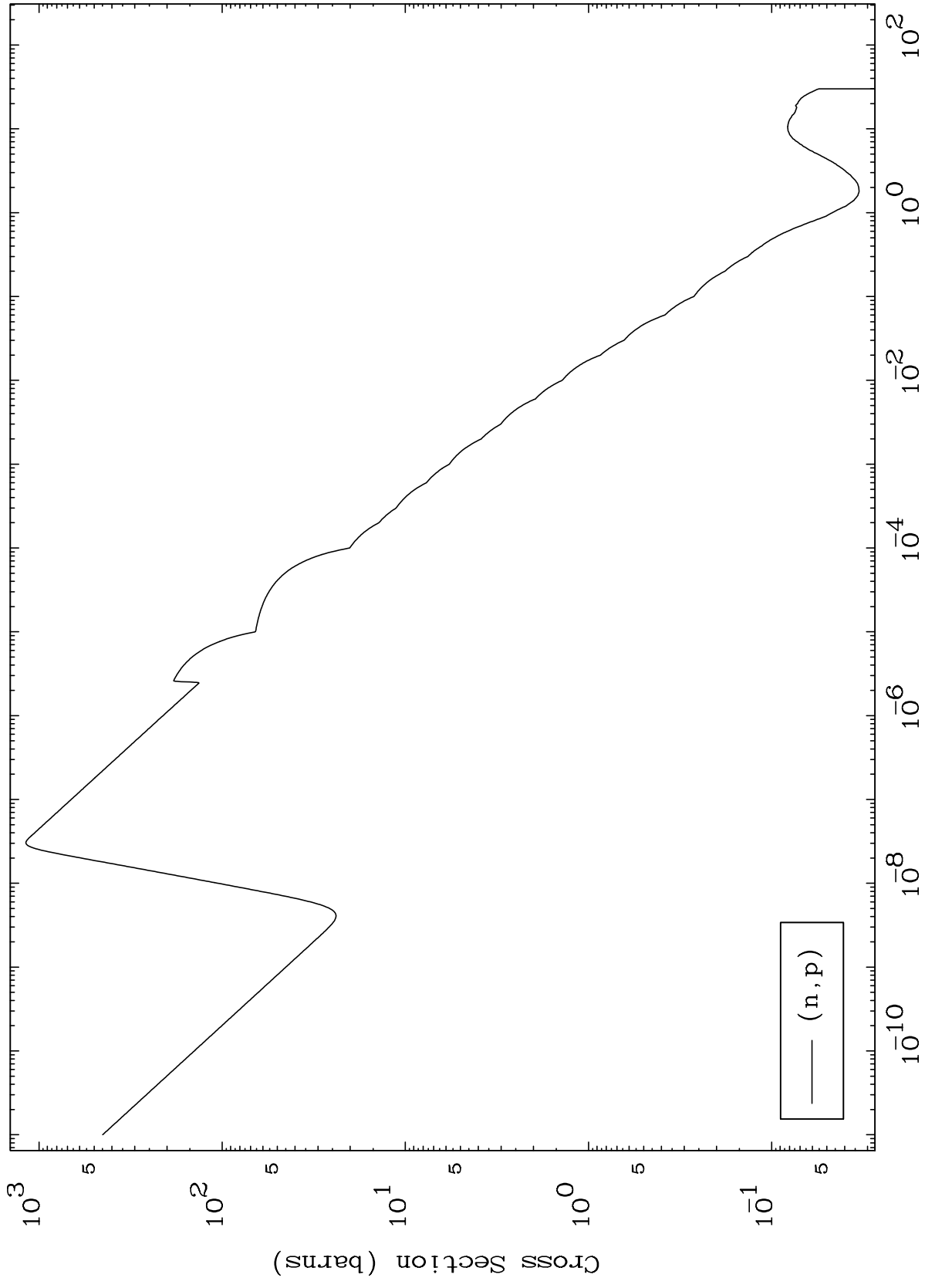
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-158

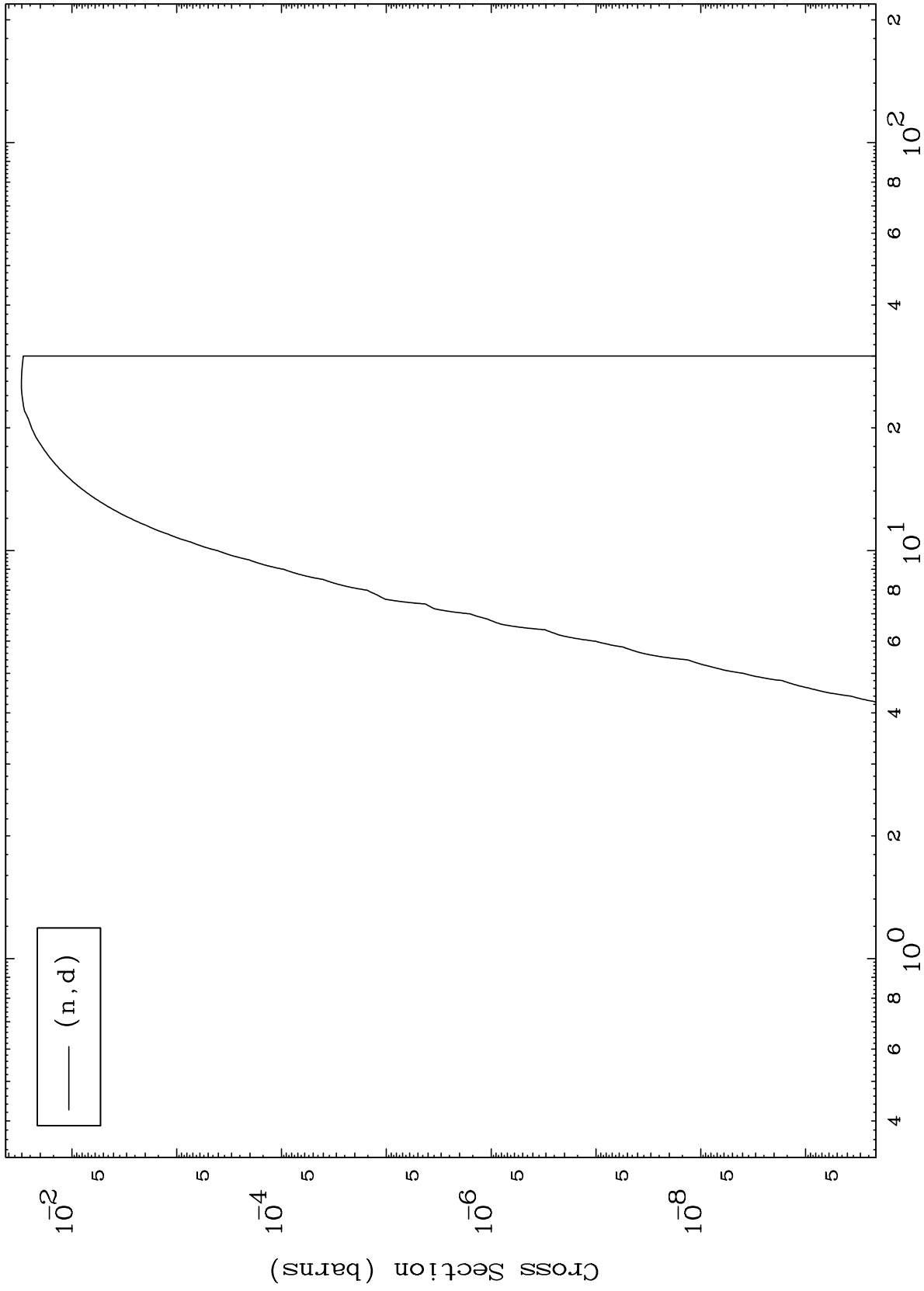


69-Tm-158

MAT 6892

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-158



12

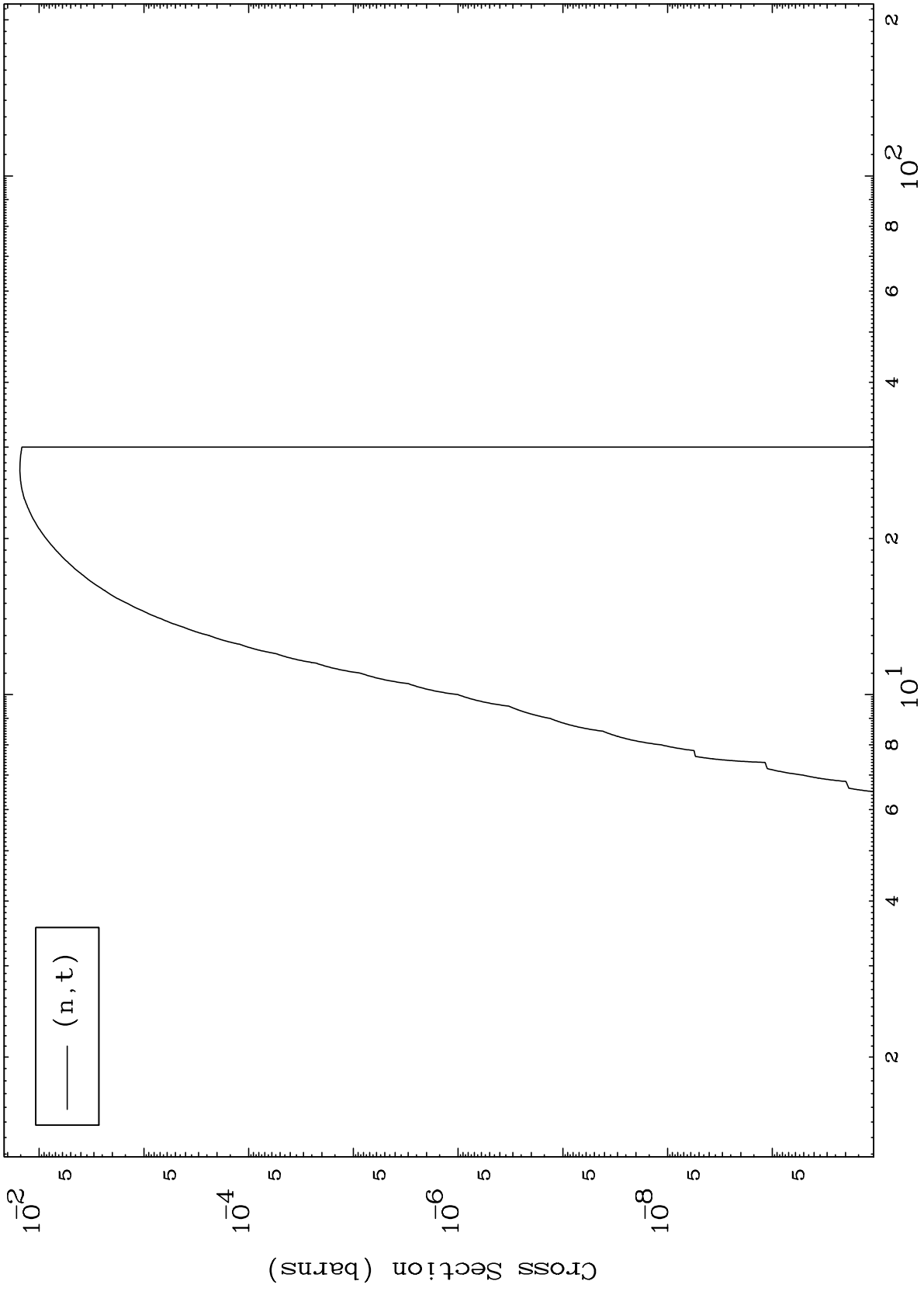
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-158



13

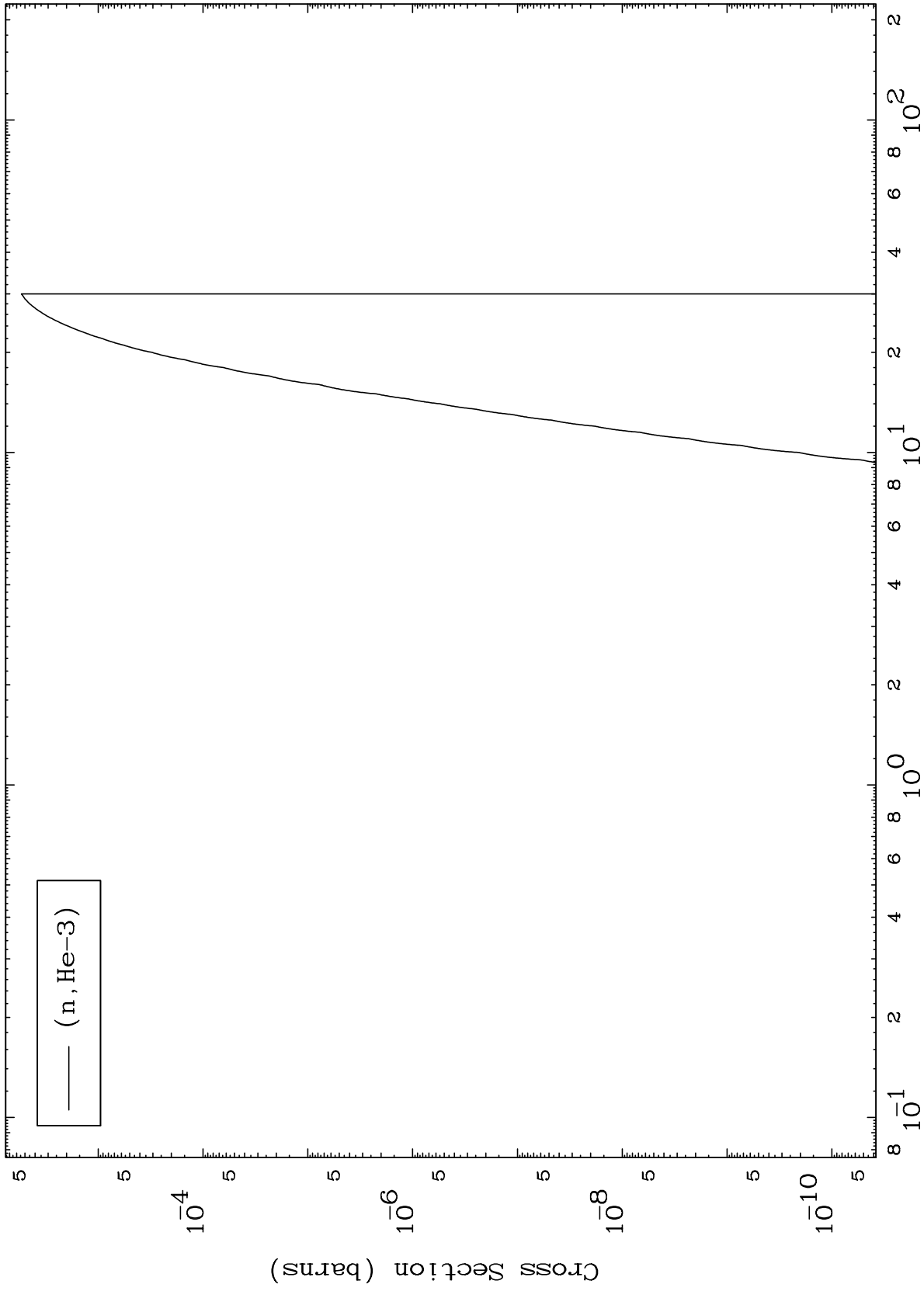
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-158



14

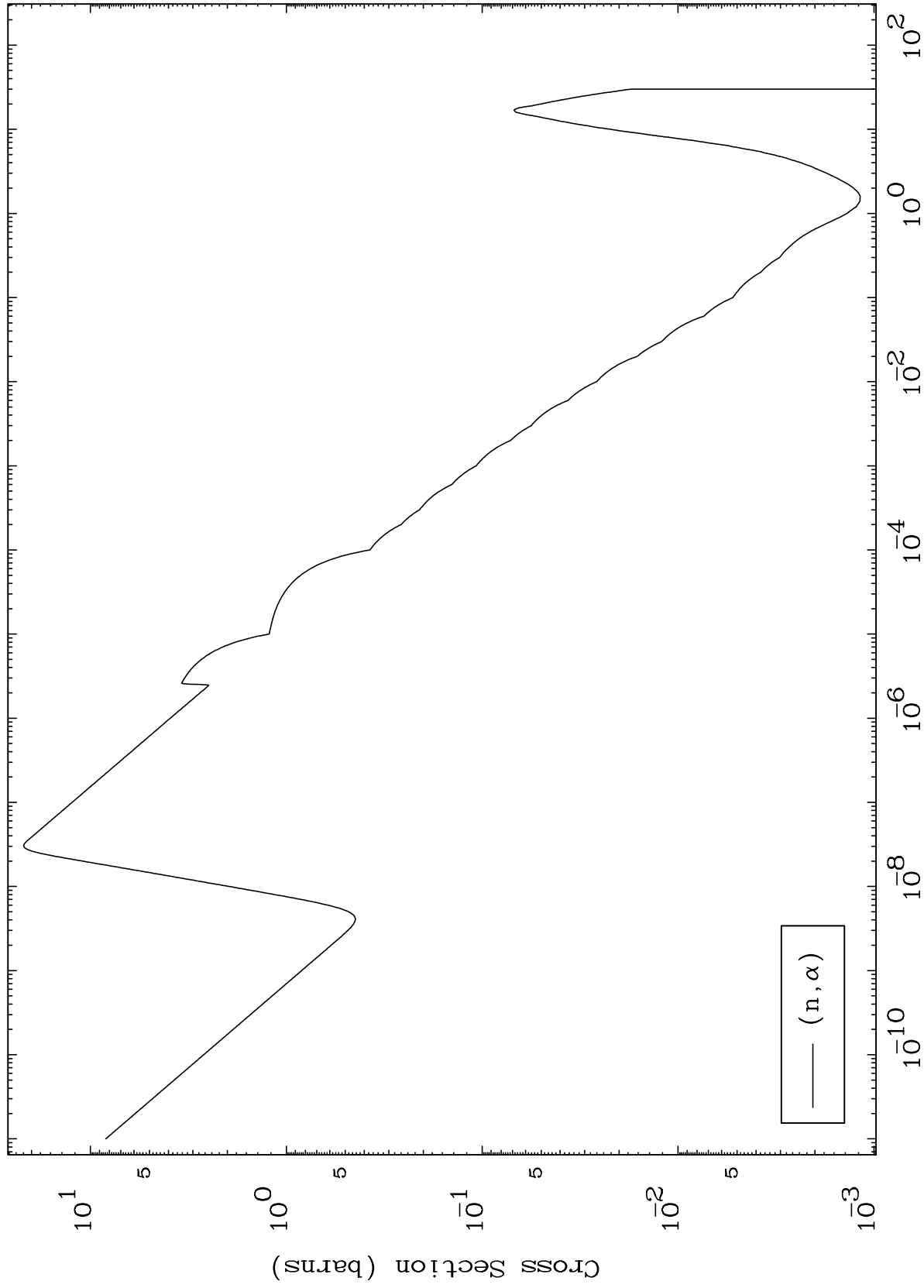
Incident Energy (MeV)

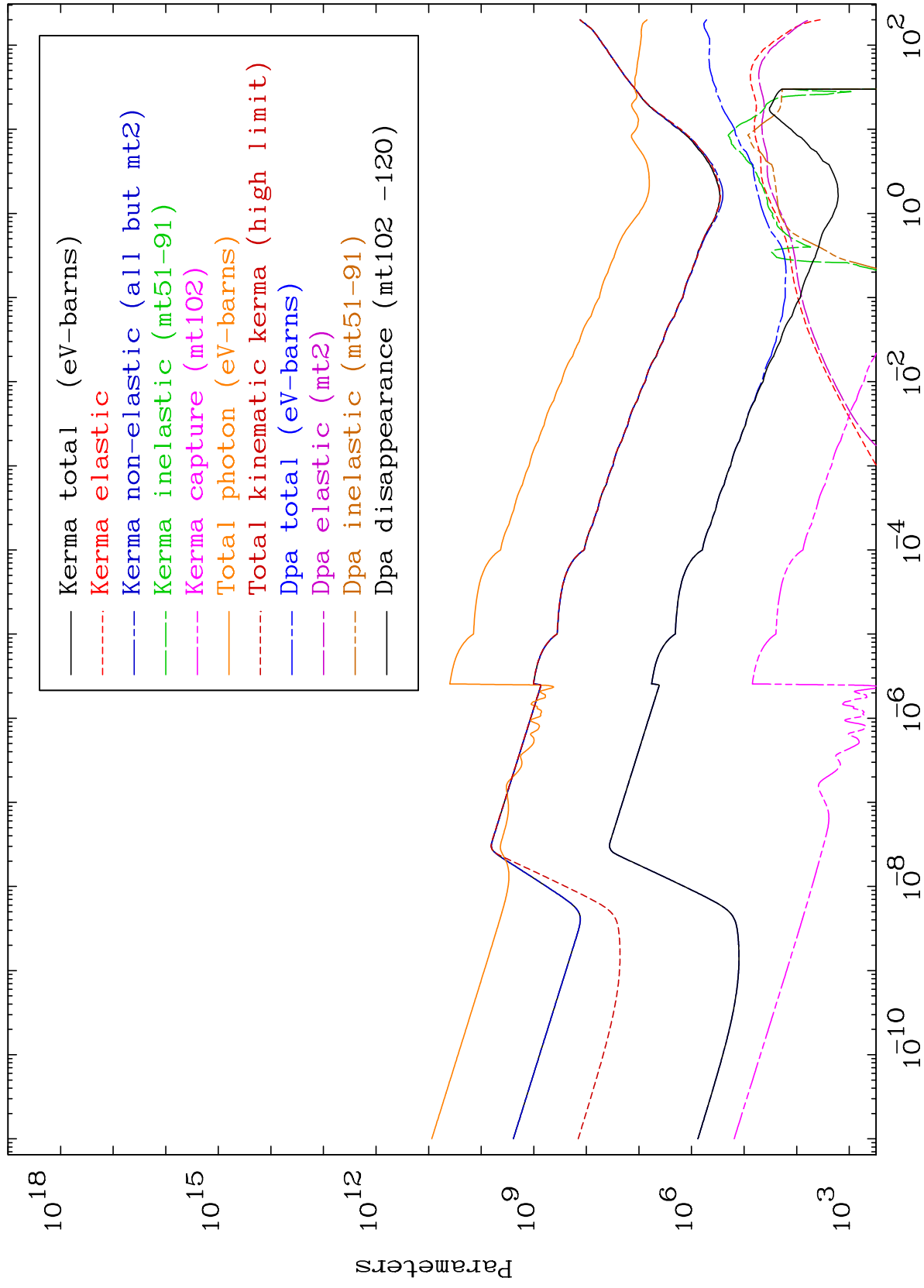
69-Tm-158

MAT 6892

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-158

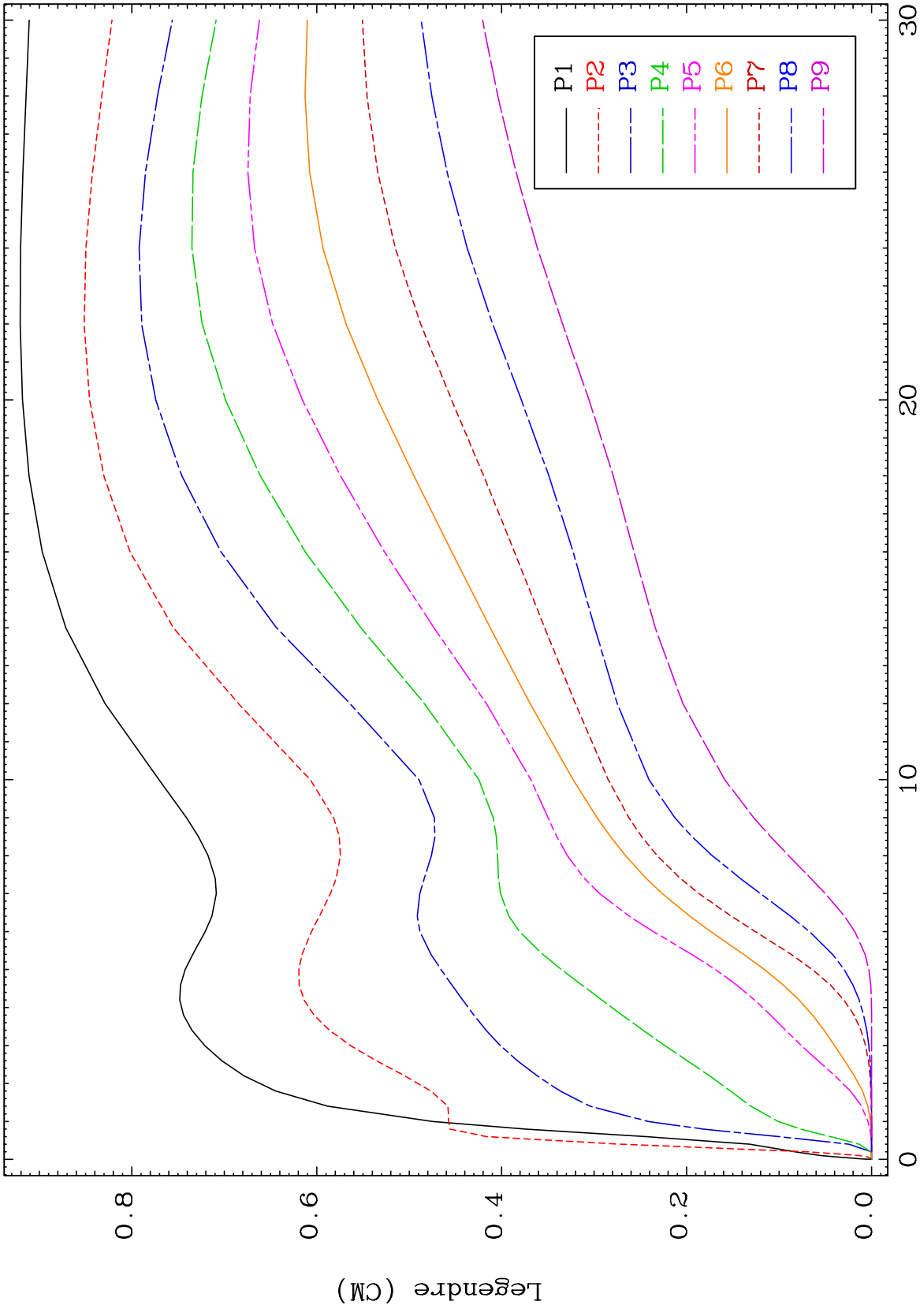




MAT 6892

Elastic Legendre Coefficients

69-Tm-158



17

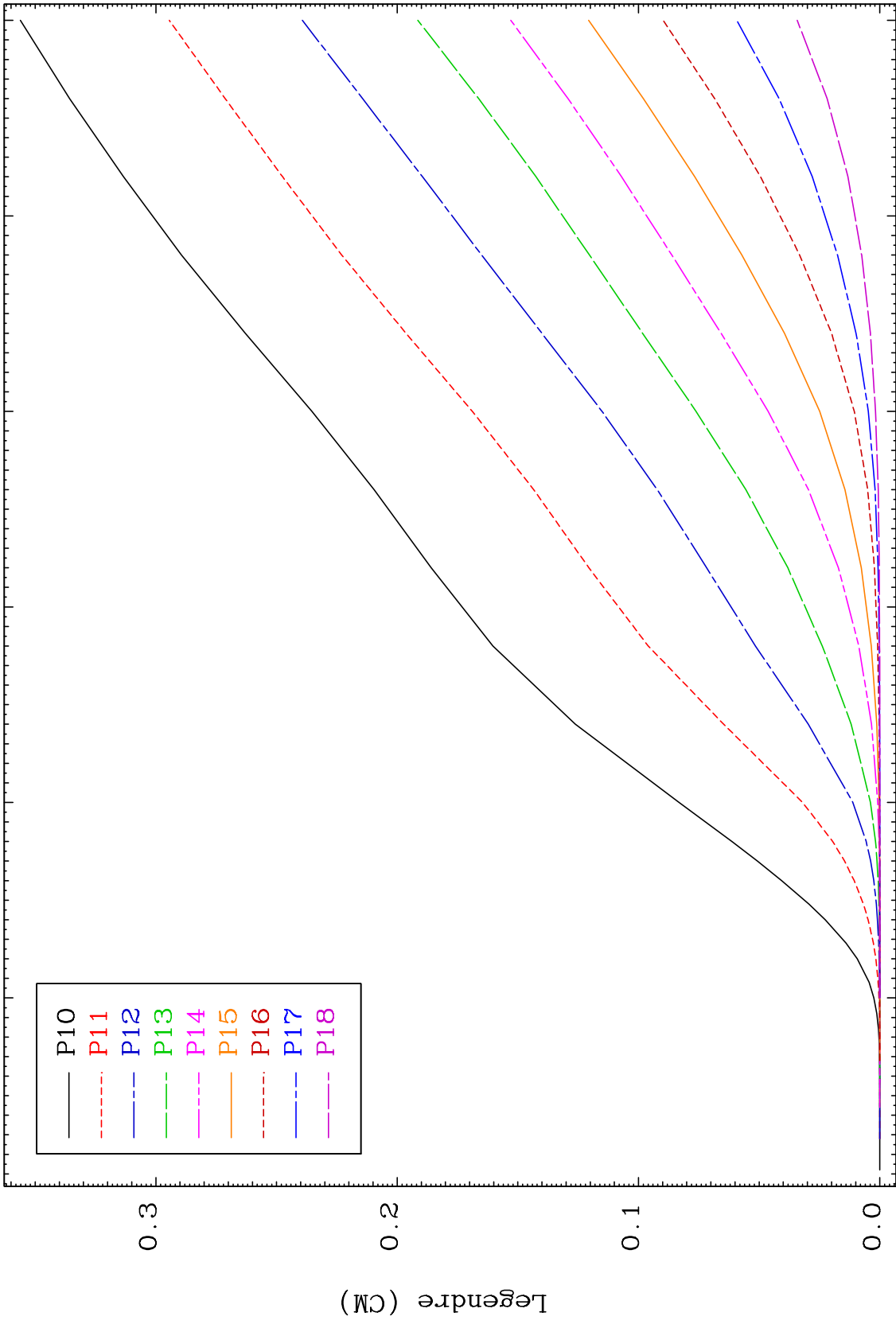
Incident Energy (MeV)

69-Tm-158

MAT 6892

Elastic Legendre Coefficients

69-Tm-158



18

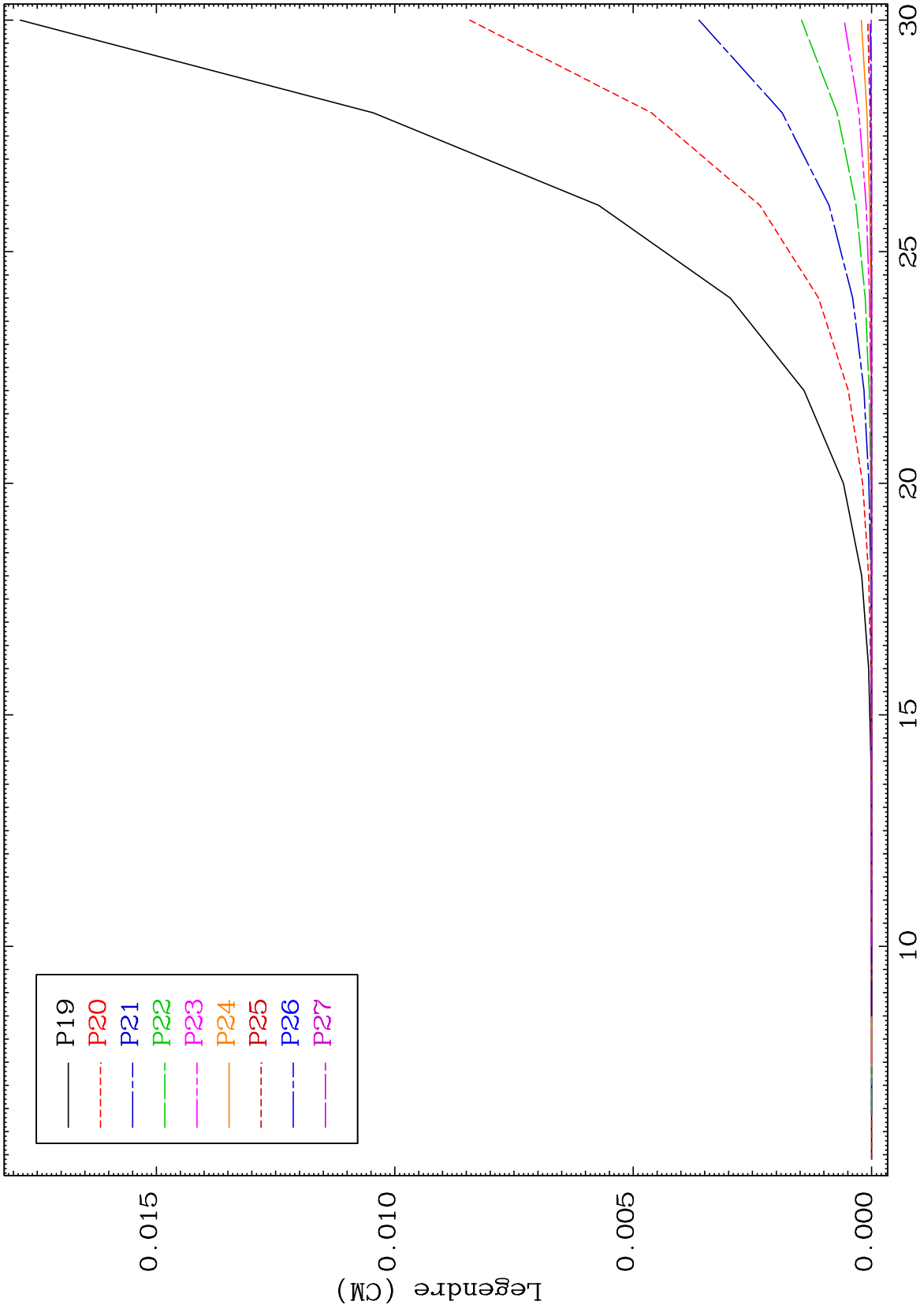
Incident Energy (MeV)

69-Tm-158

MAT 6892

Elastic Legendre Coefficients

69-Tm-158



19

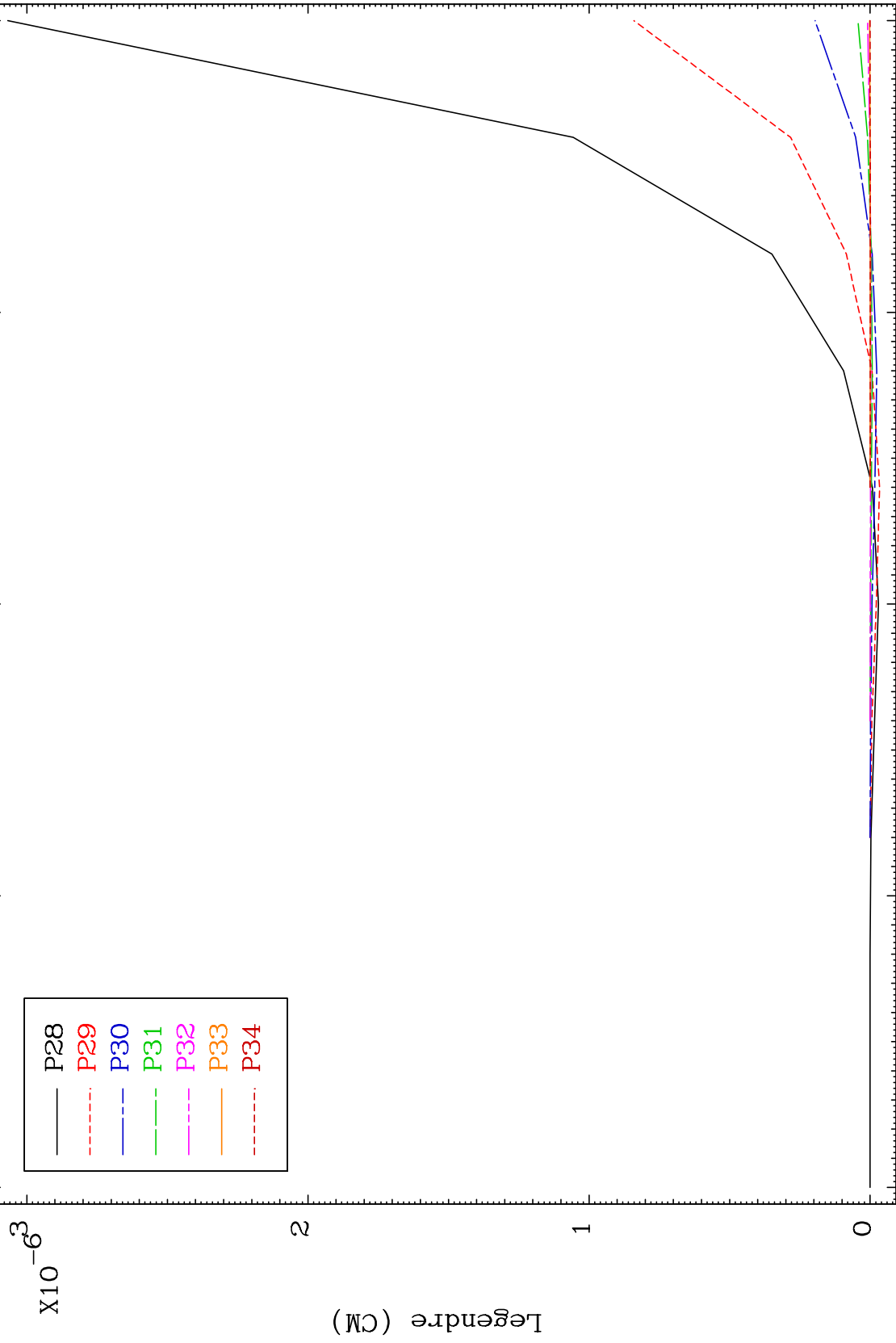
Incident Energy (MeV)

69-Tm-158

MAT 6892

Elastic Legendre Coefficients

69-Tm-158

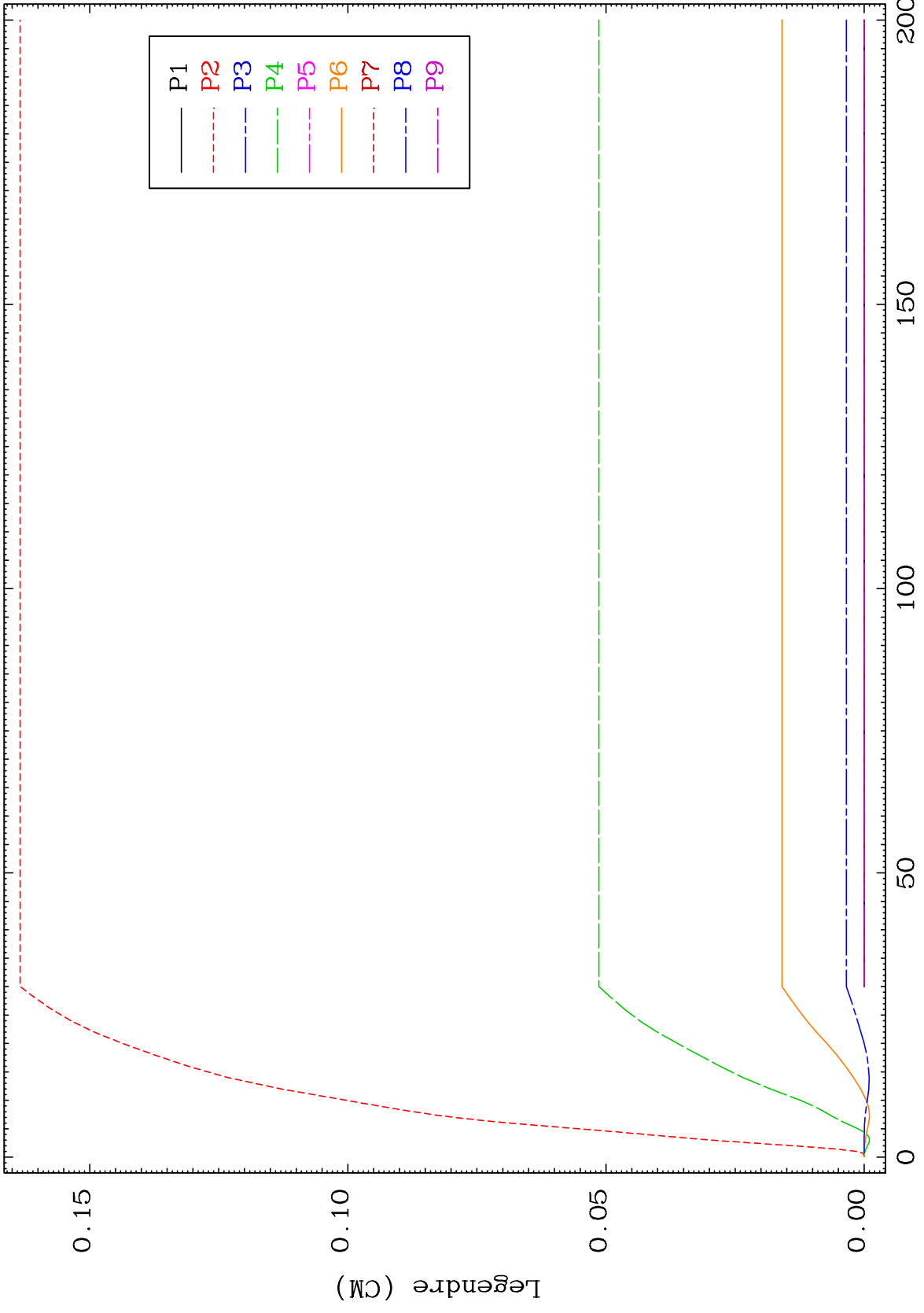


20

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-158

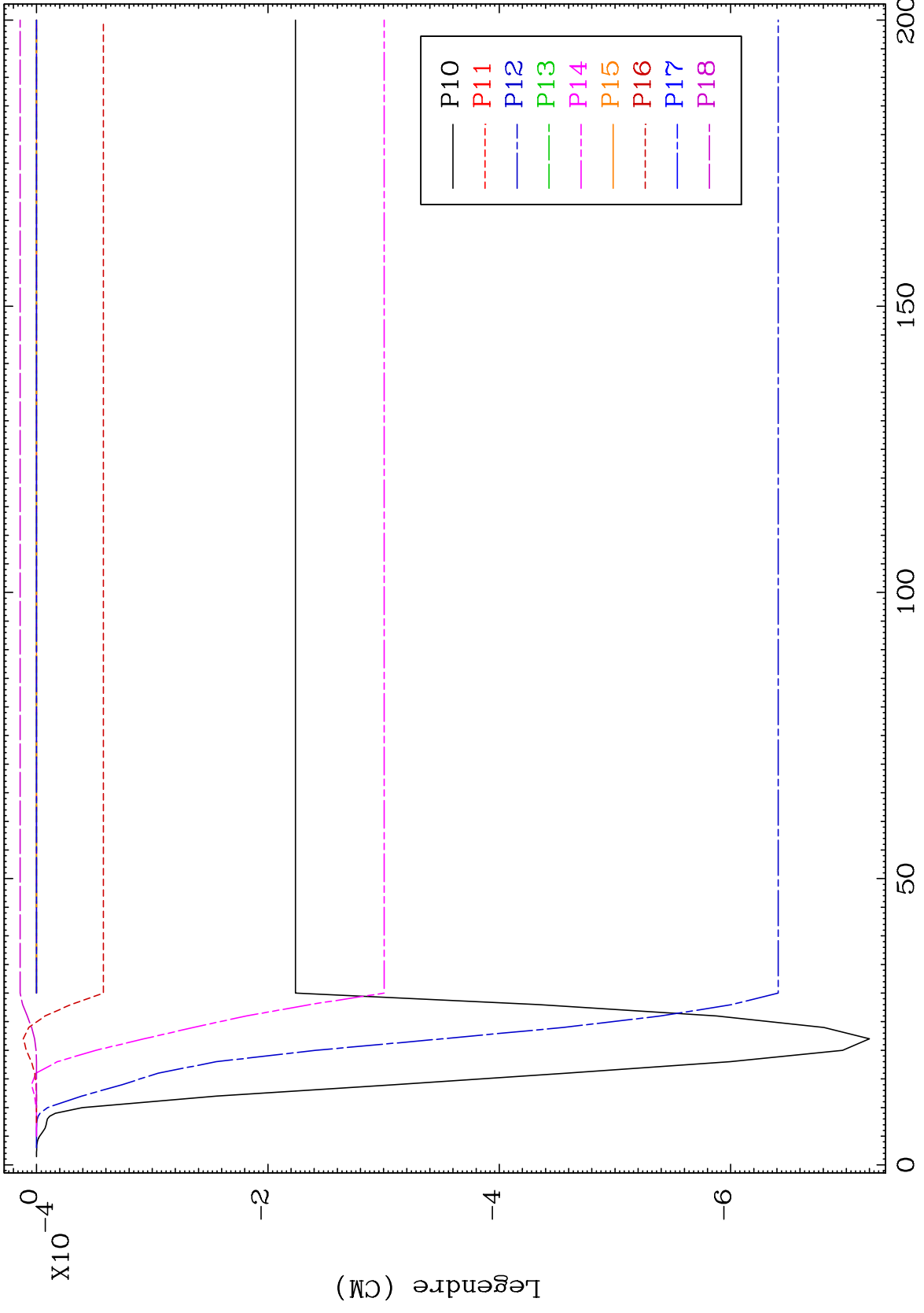


21 69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

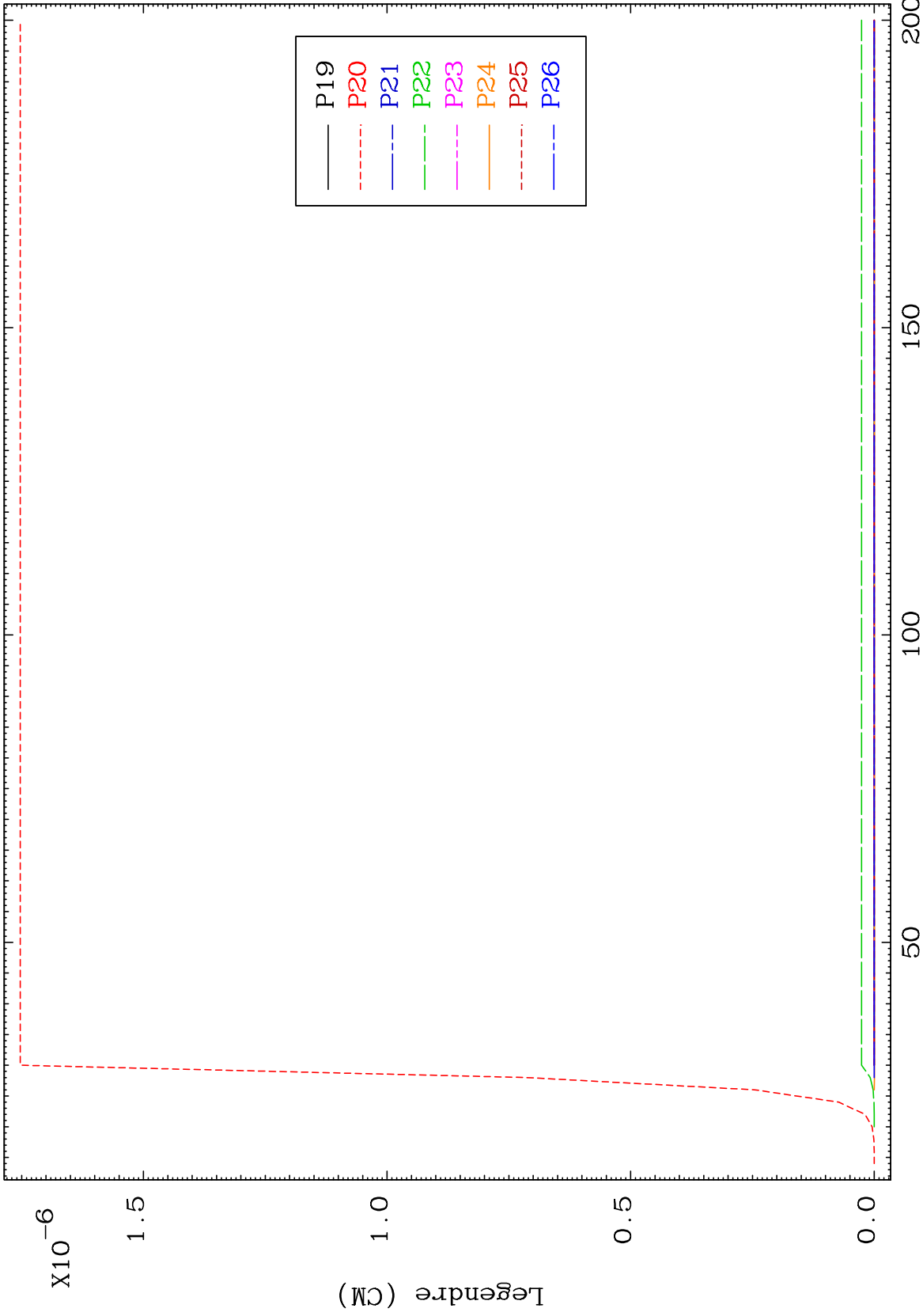
Incident Energy (MeV)

22

MAT 6892

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

69-Tm-158

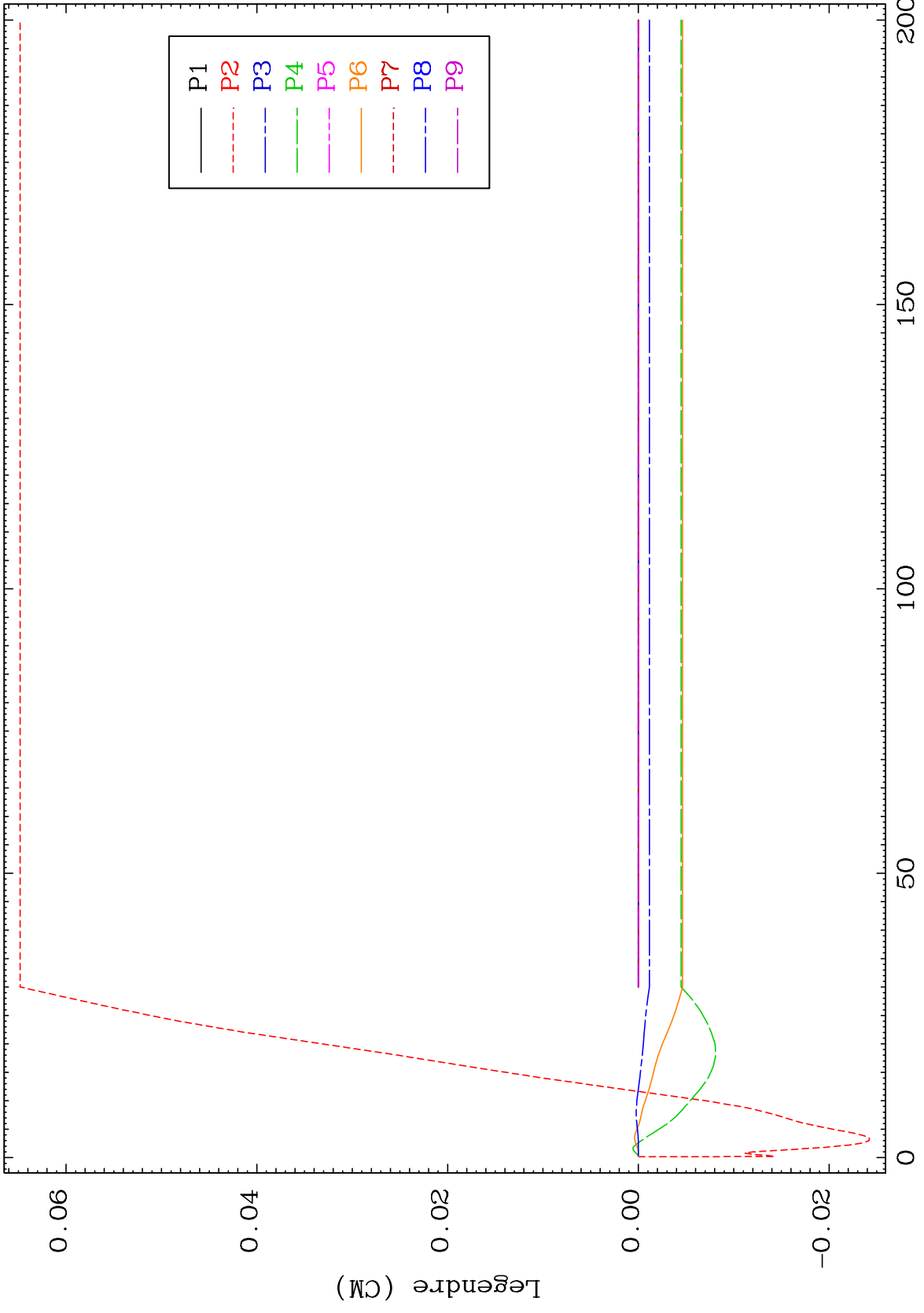


23

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 52 (n,n') Level Legendre Coefficients 69-Tm-158

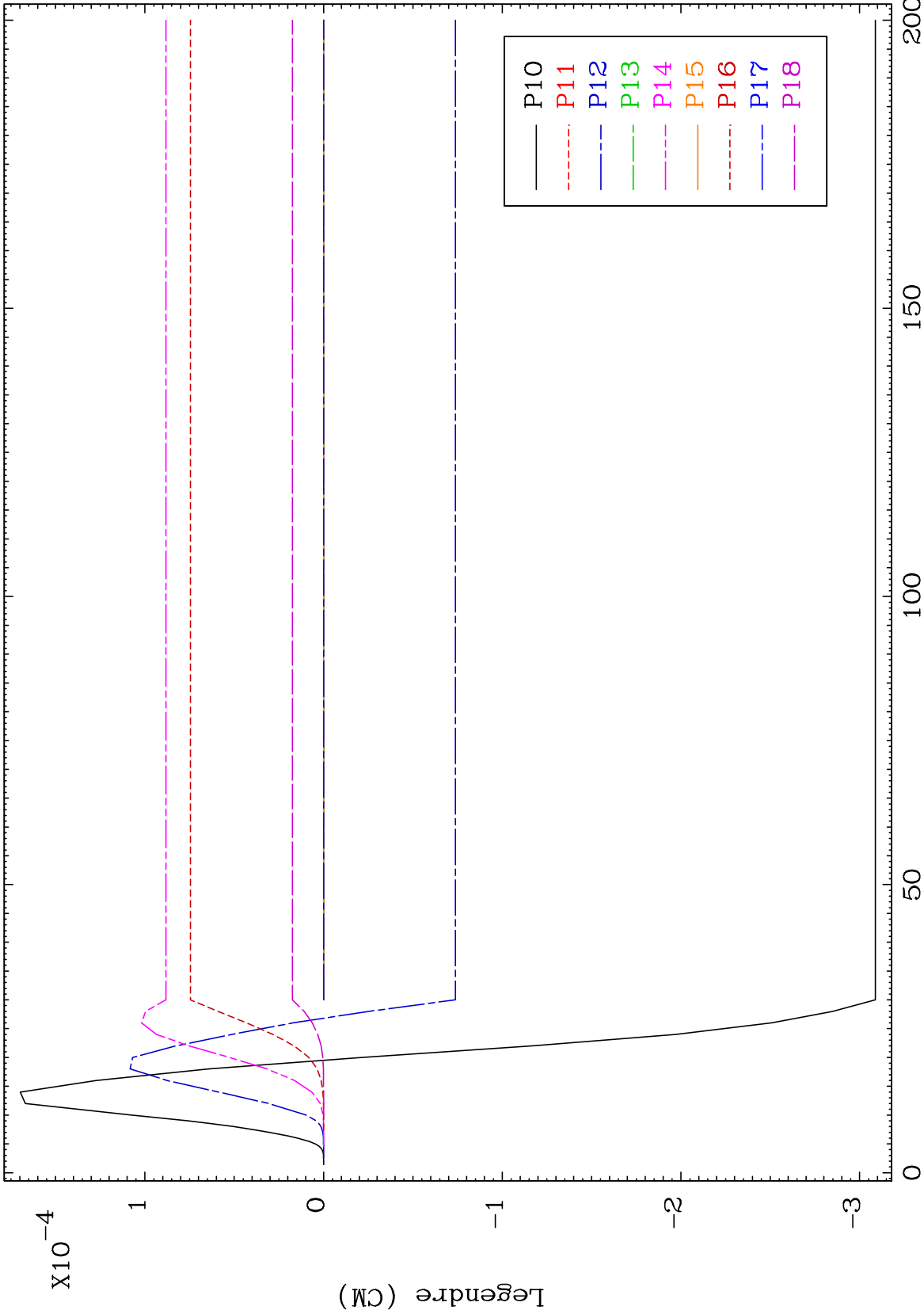


24 69-Tm-158

MAT 6892

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

69-Tm-158



25

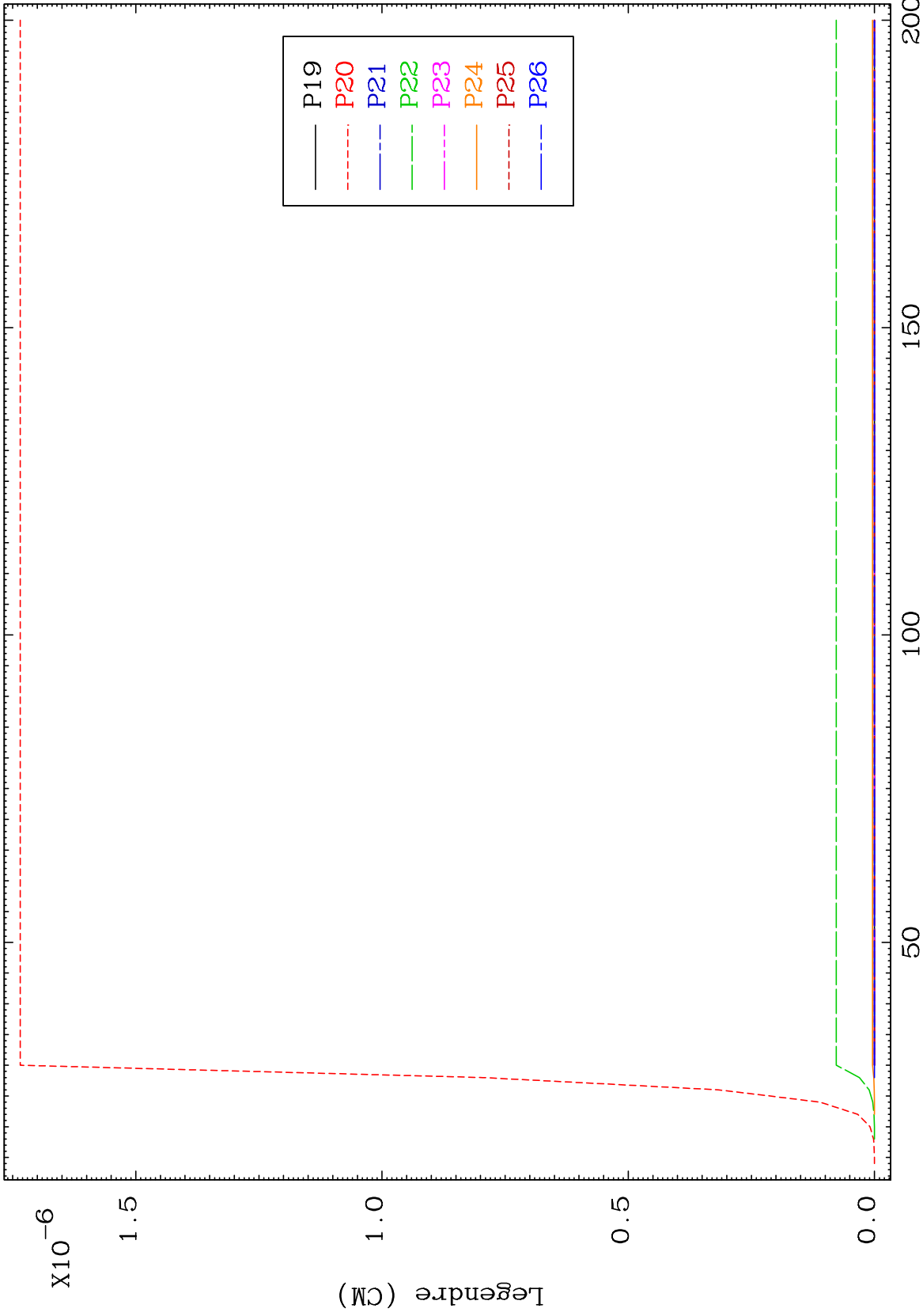
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

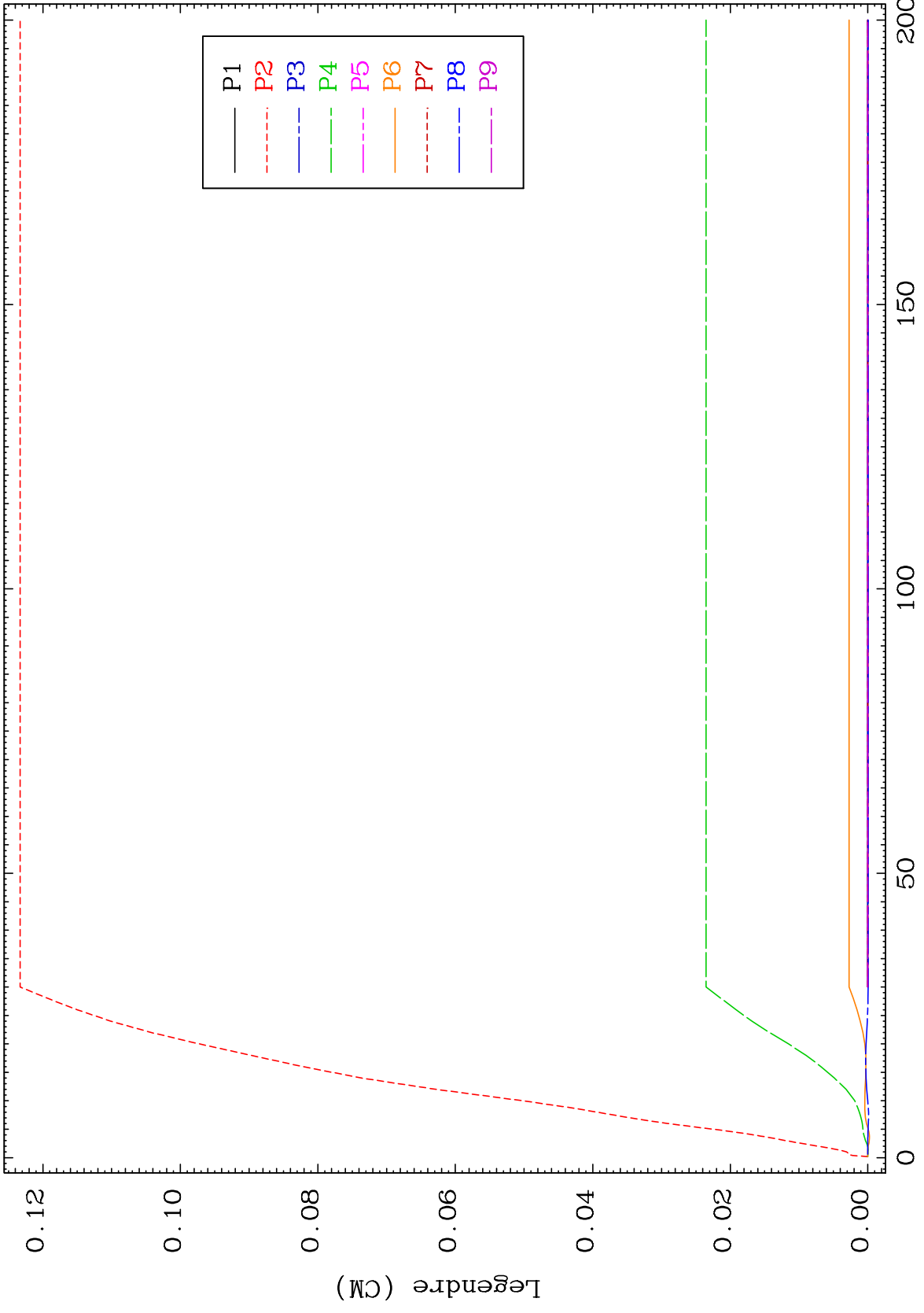


26

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 53 (n,n') Level Legendre Coefficients 69-Tm-158

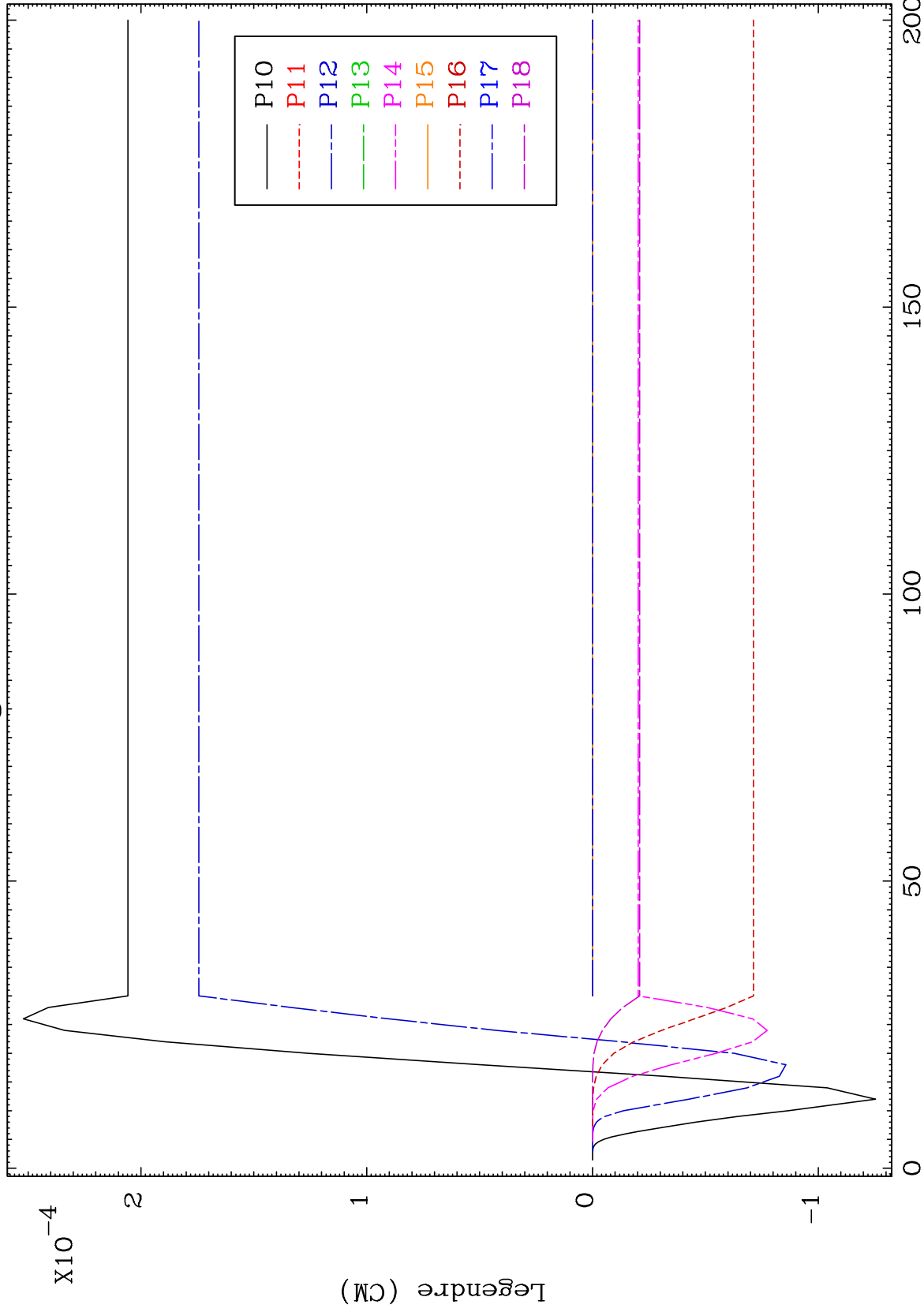


27 Incident Energy (MeV) 69-Tm-158

MAT 6892

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

69-Tm-158



28

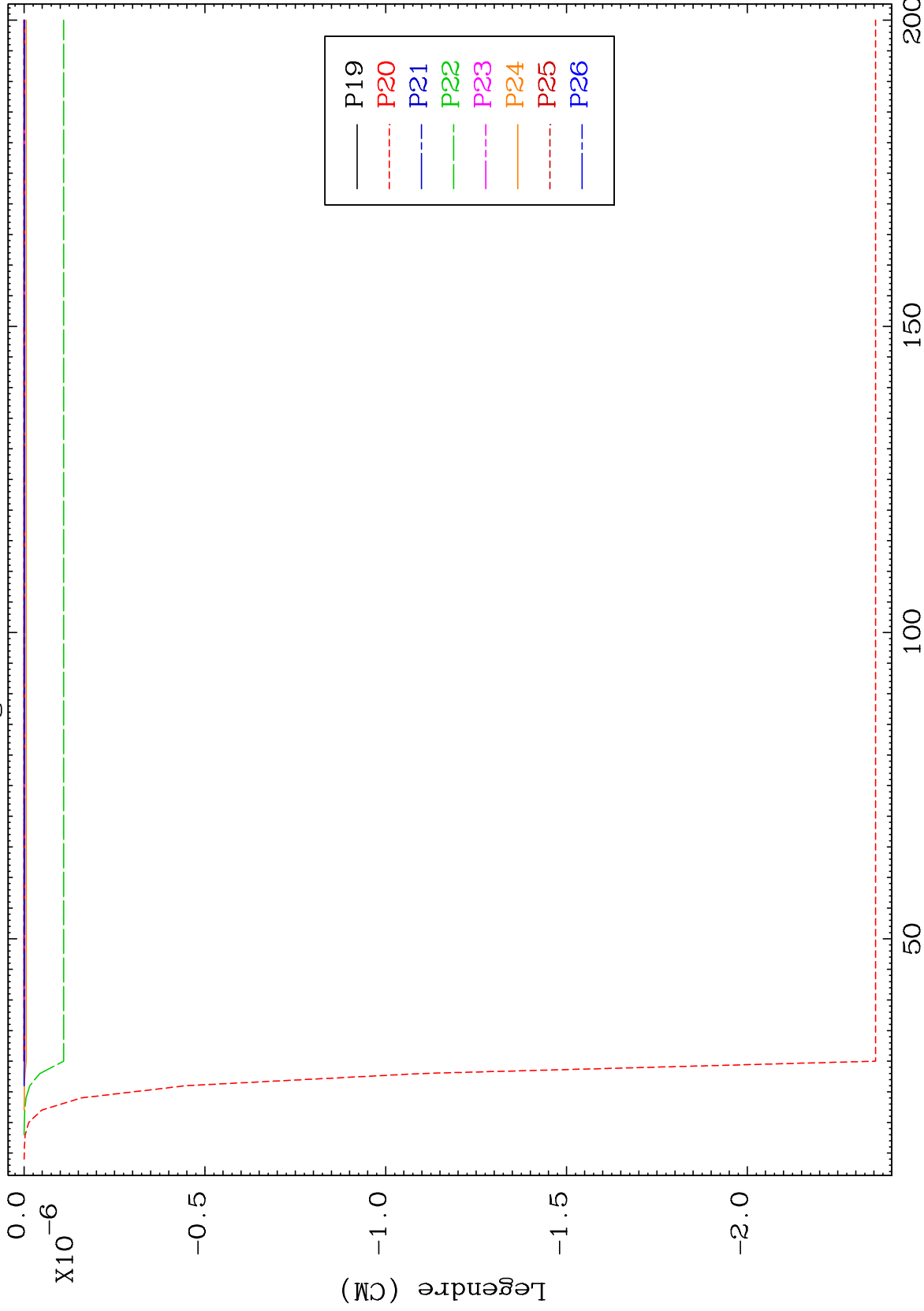
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



29

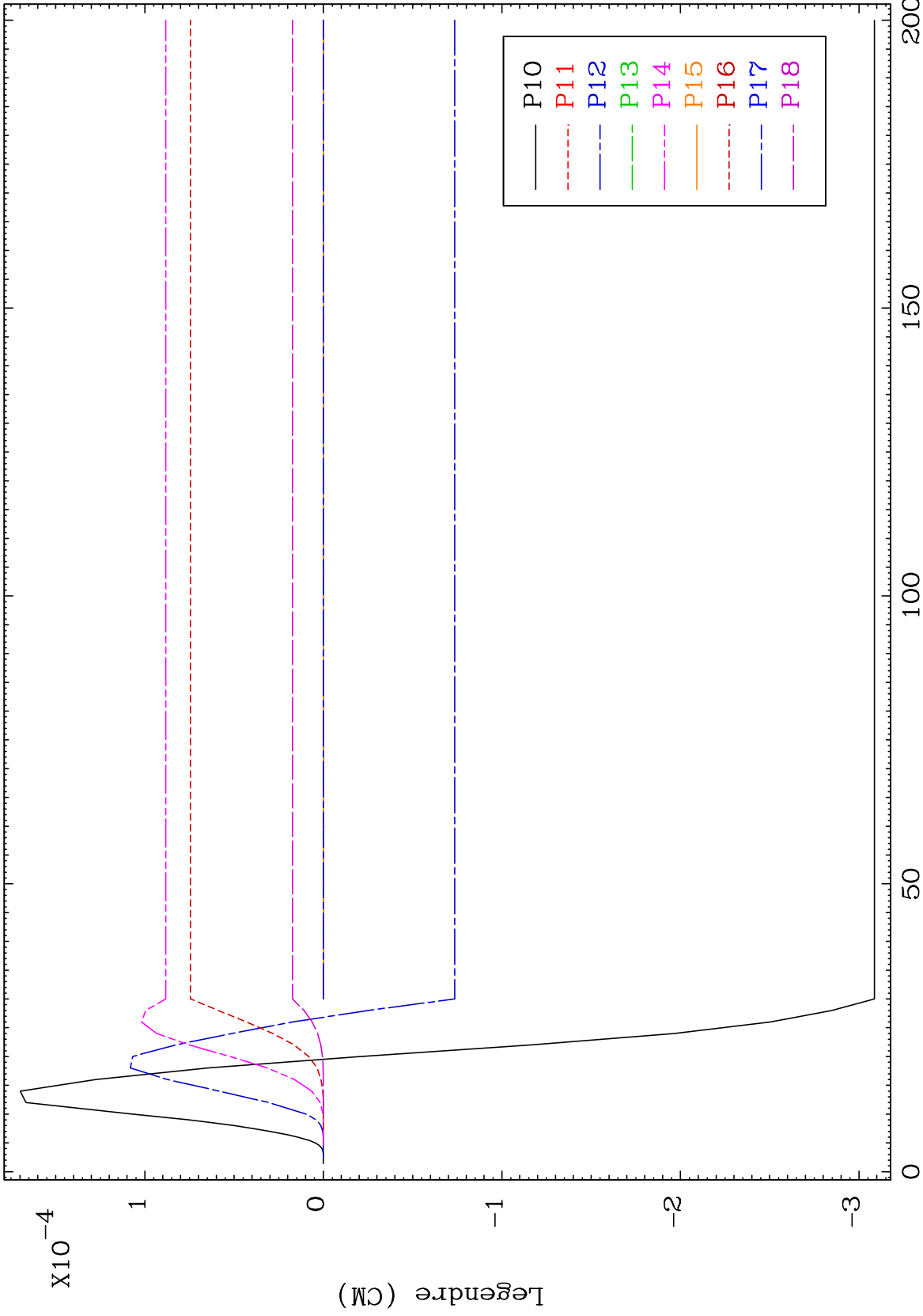
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



31

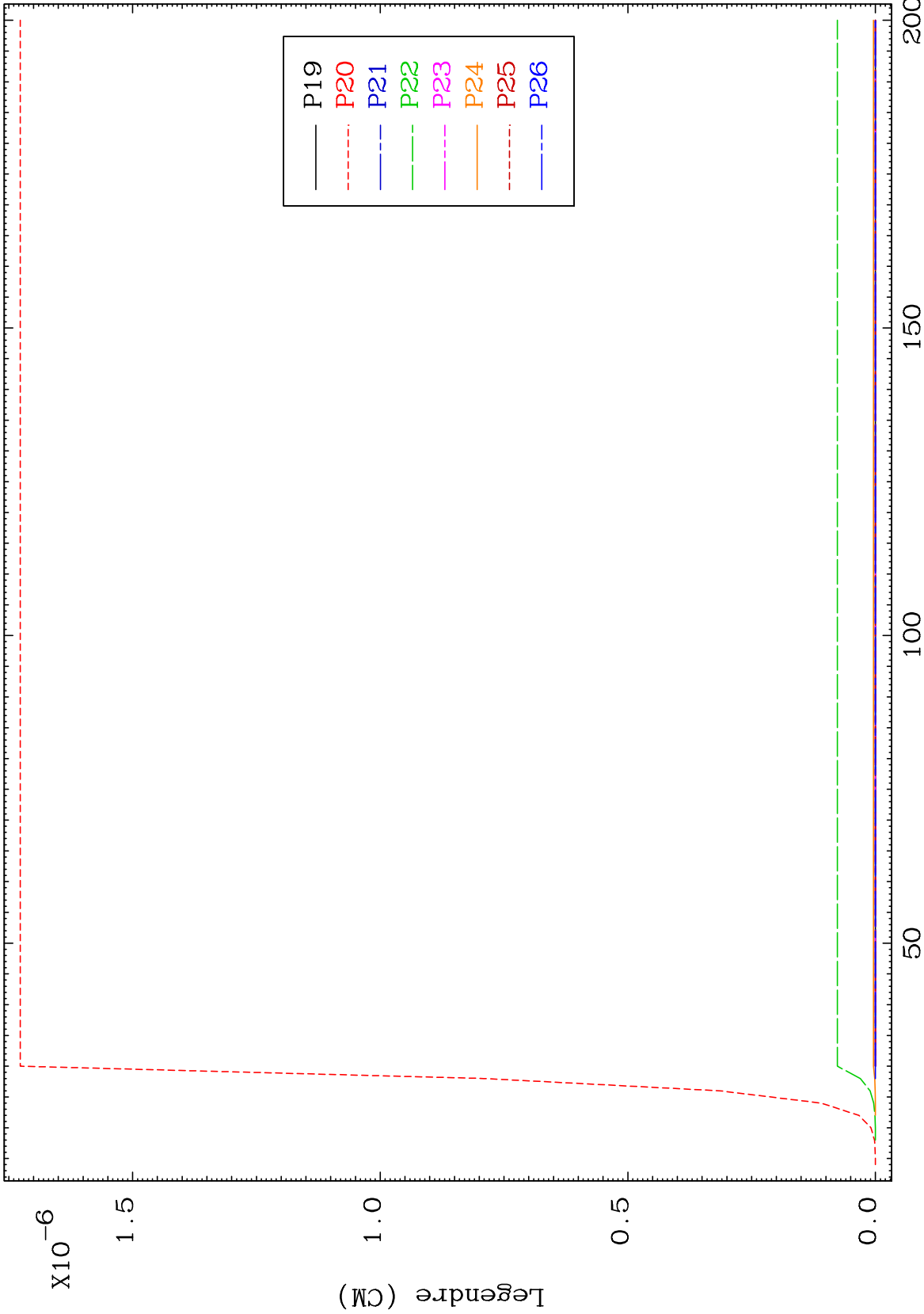
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



32

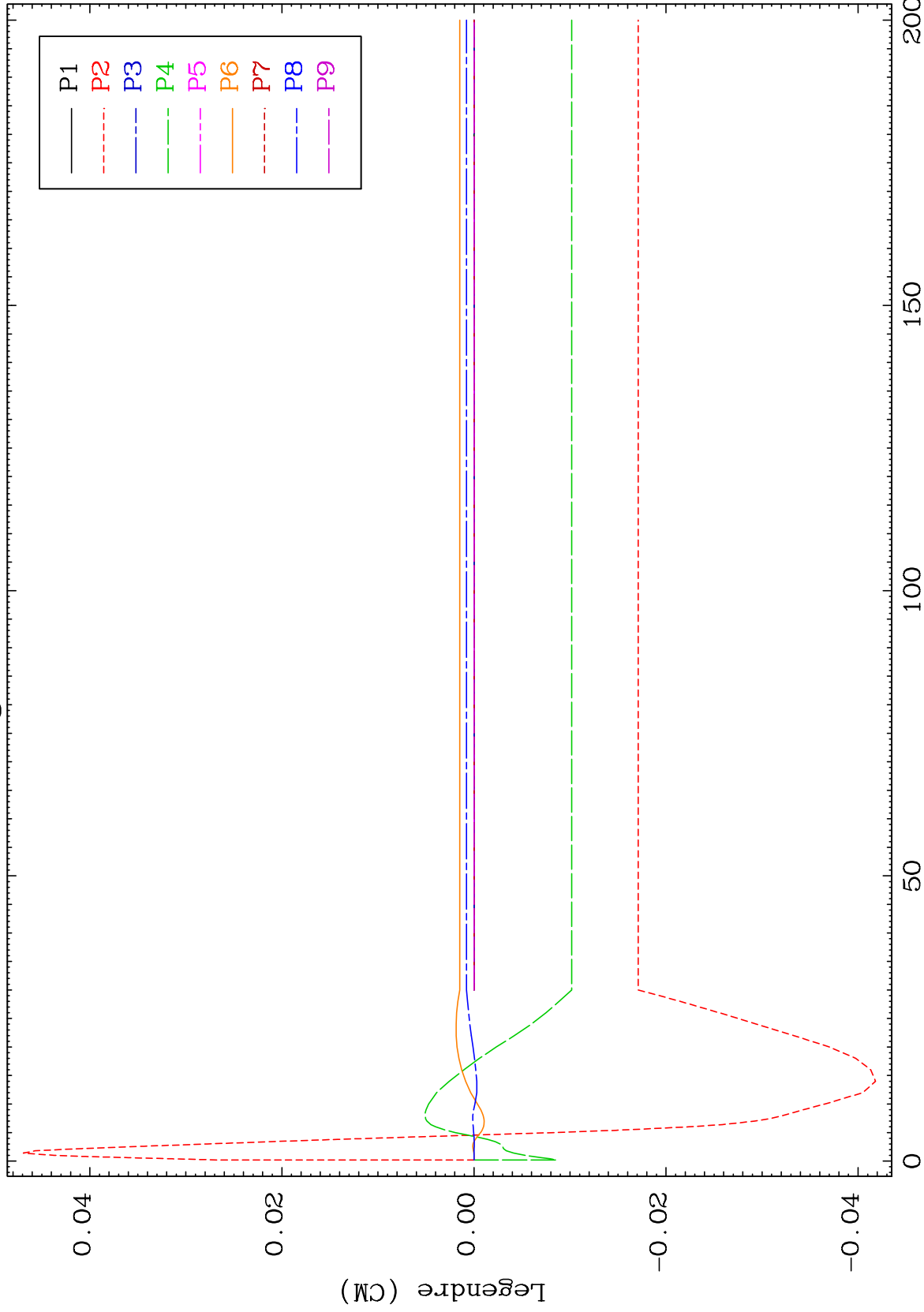
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



33

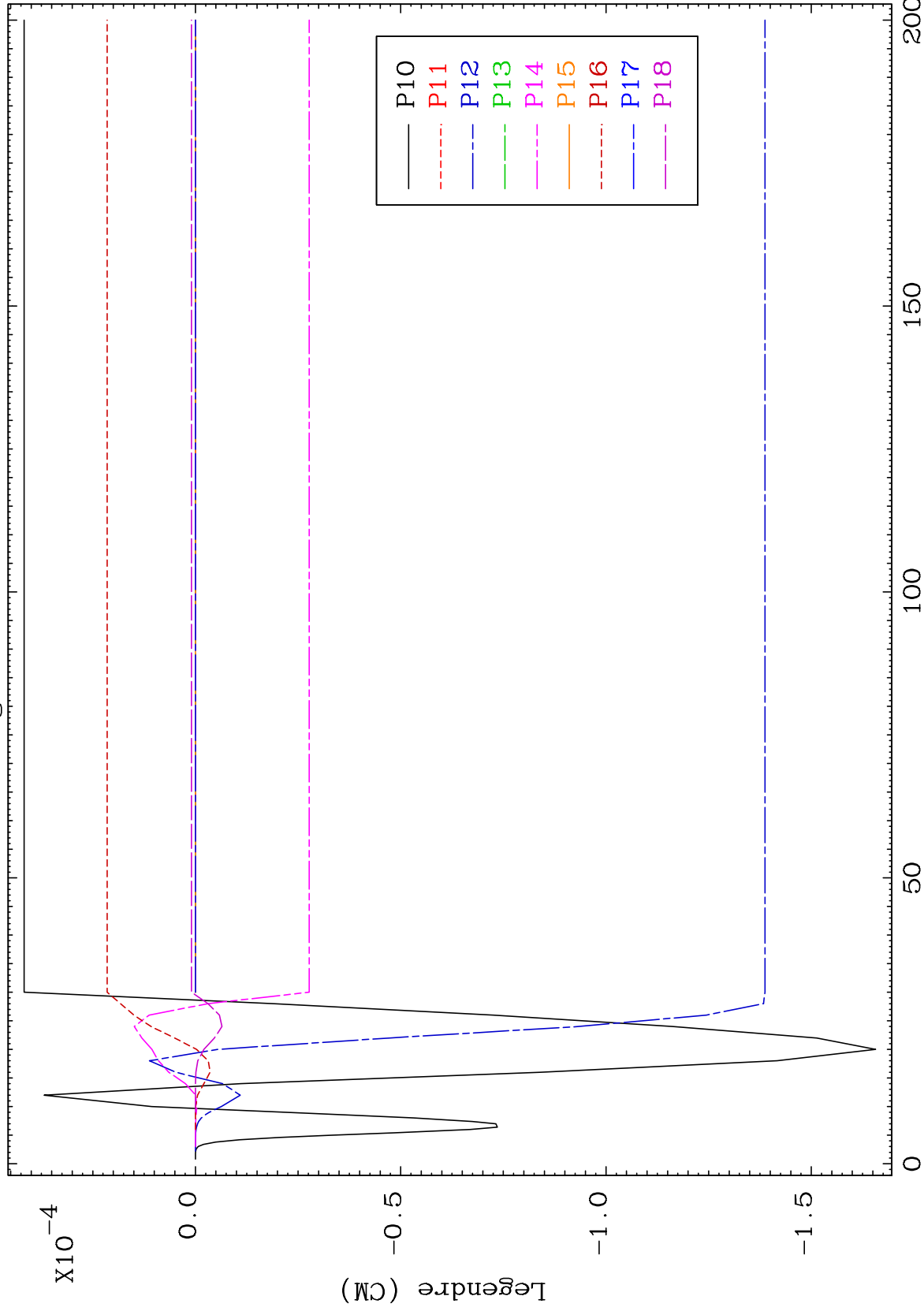
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



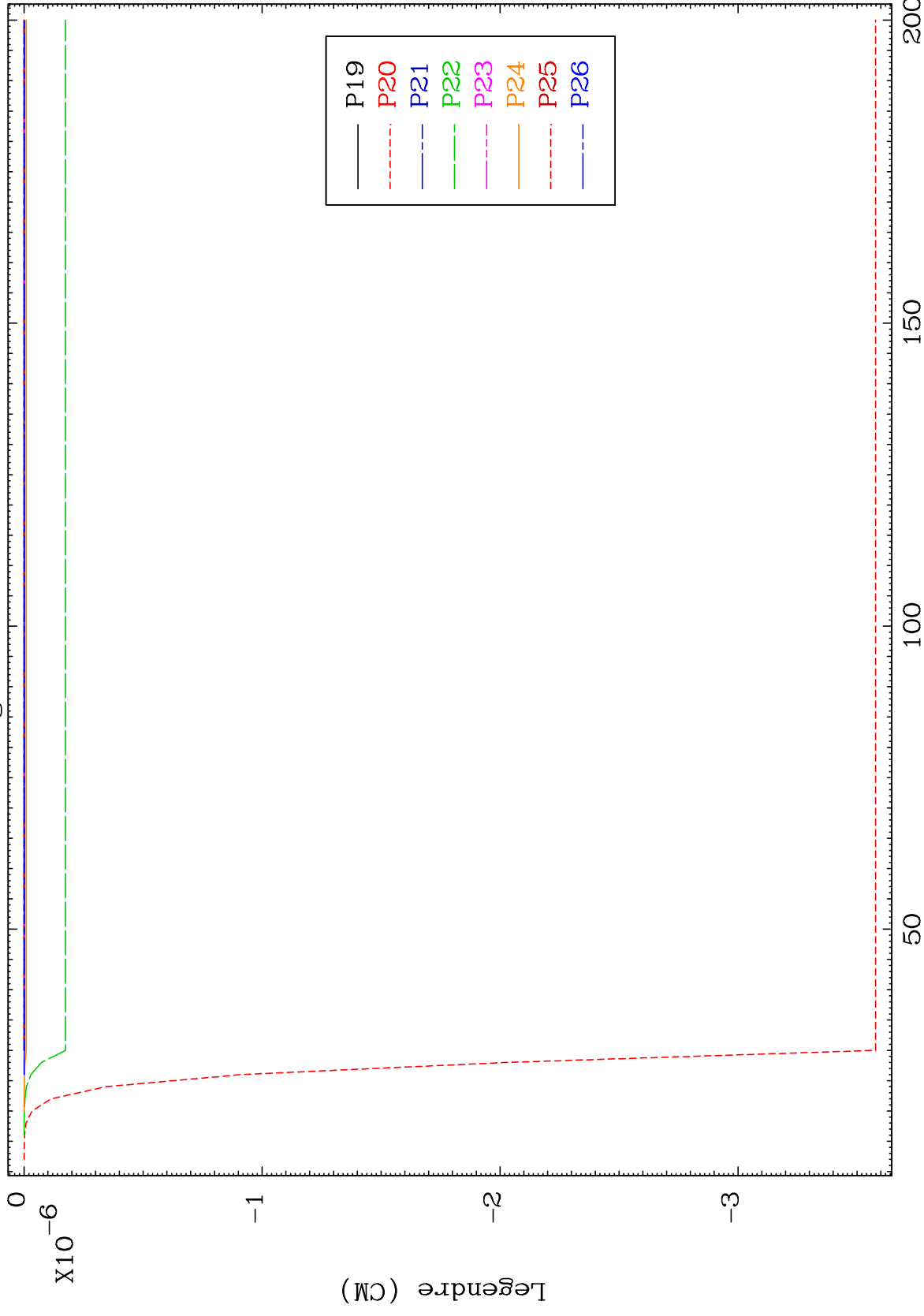
34

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

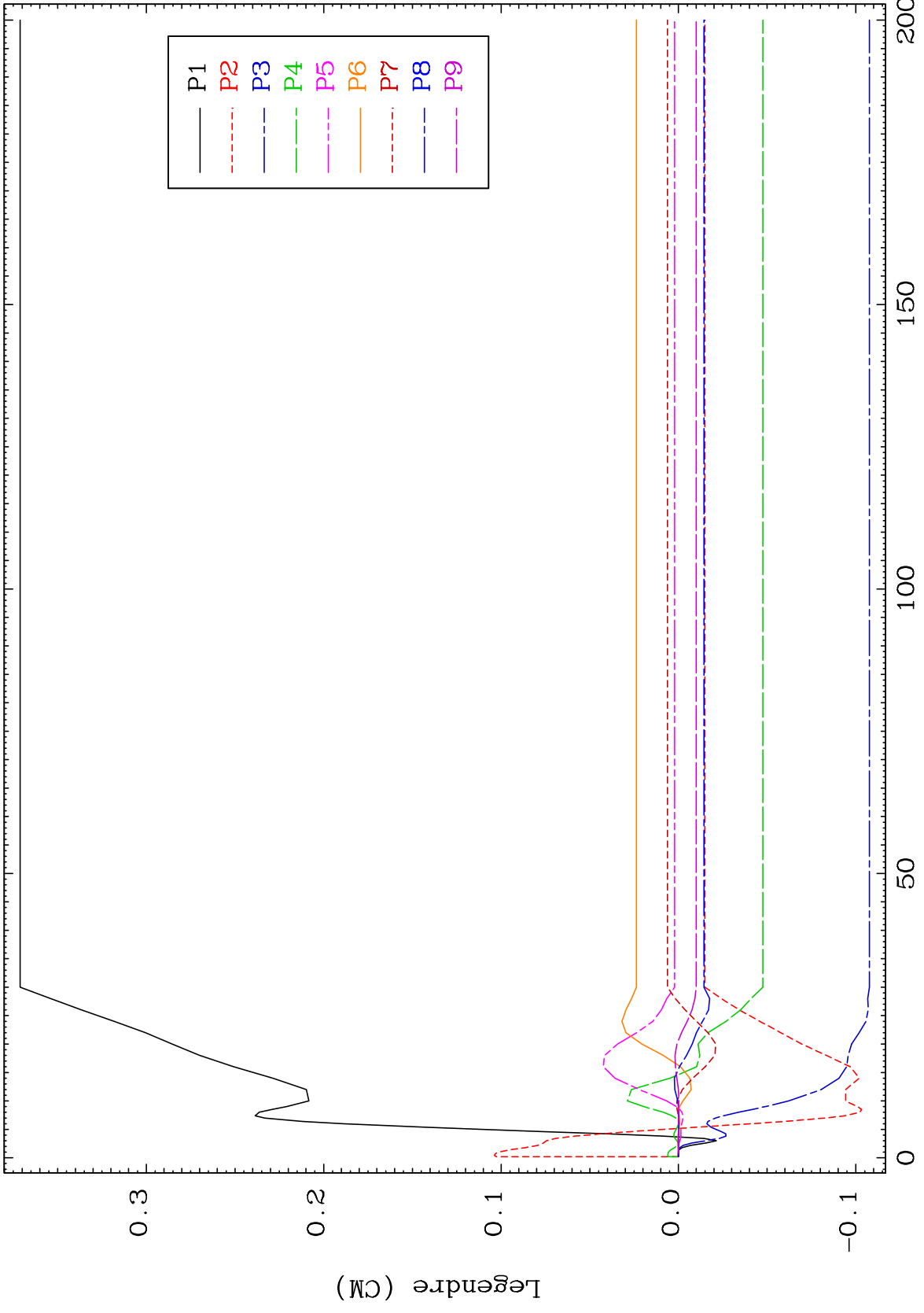
Incident Energy (MeV)

35

MAT 6892

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

69-Tm-158



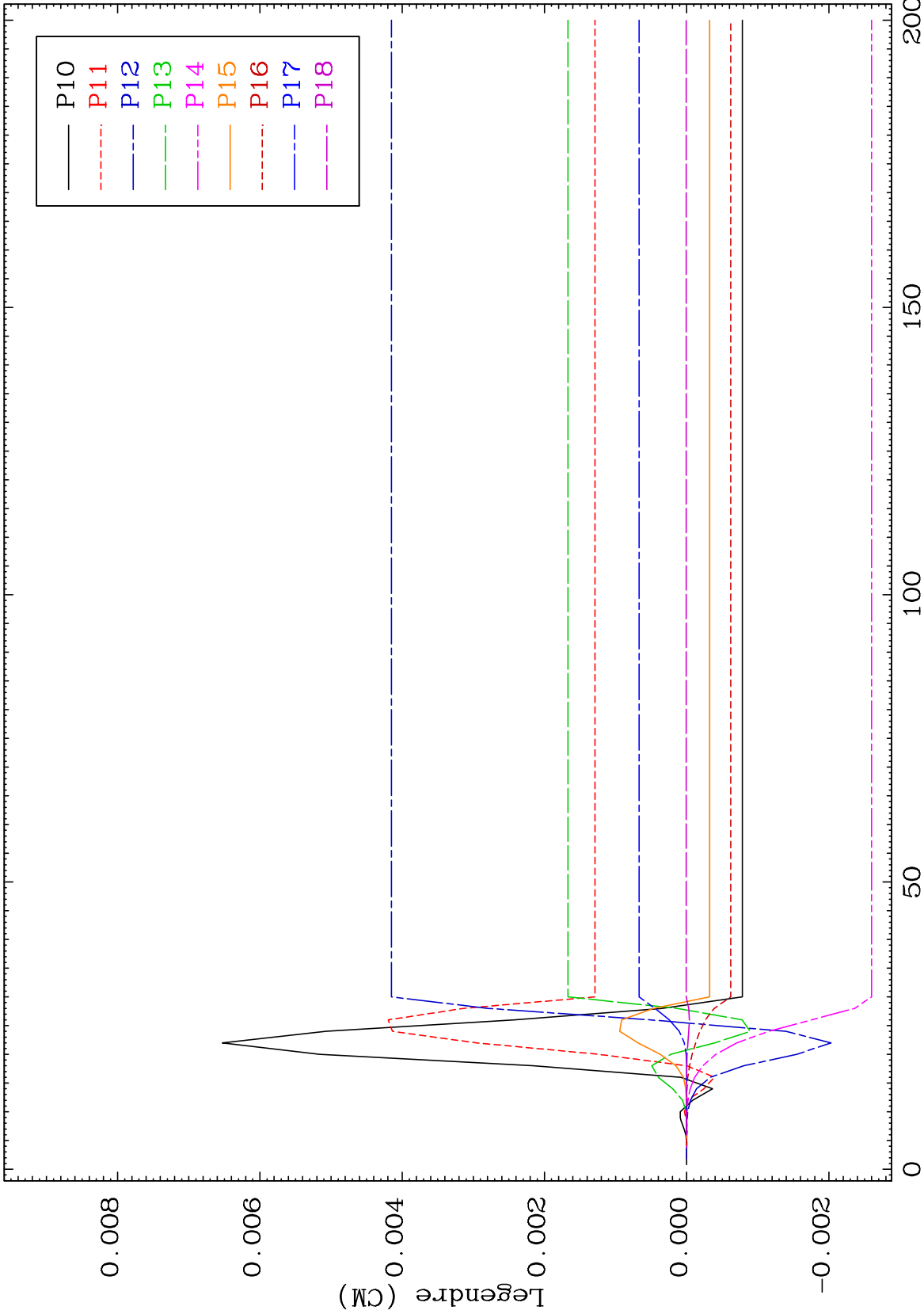
36

69-Tm-158

MAT 6892

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

69-Tm-158



37

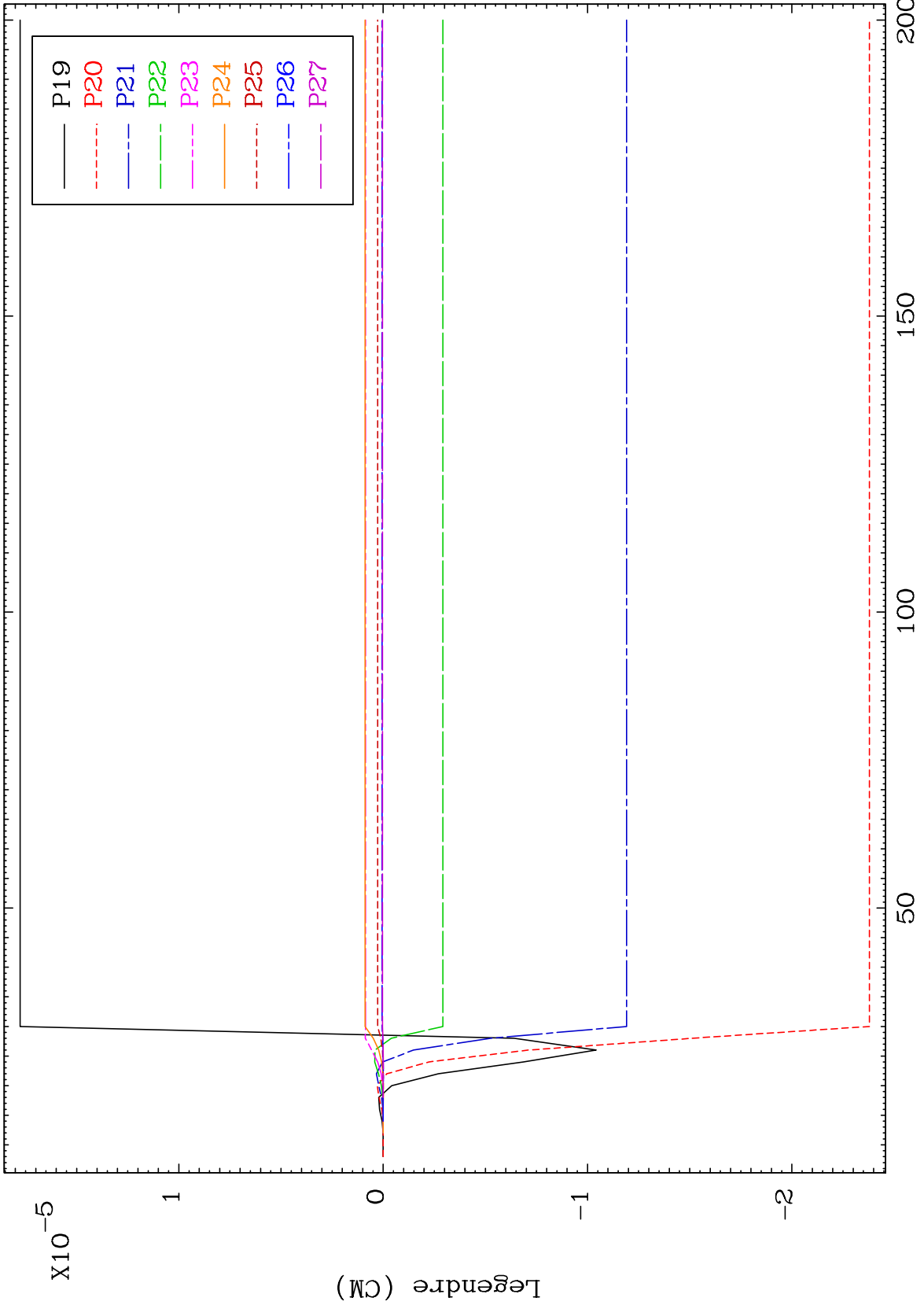
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



38

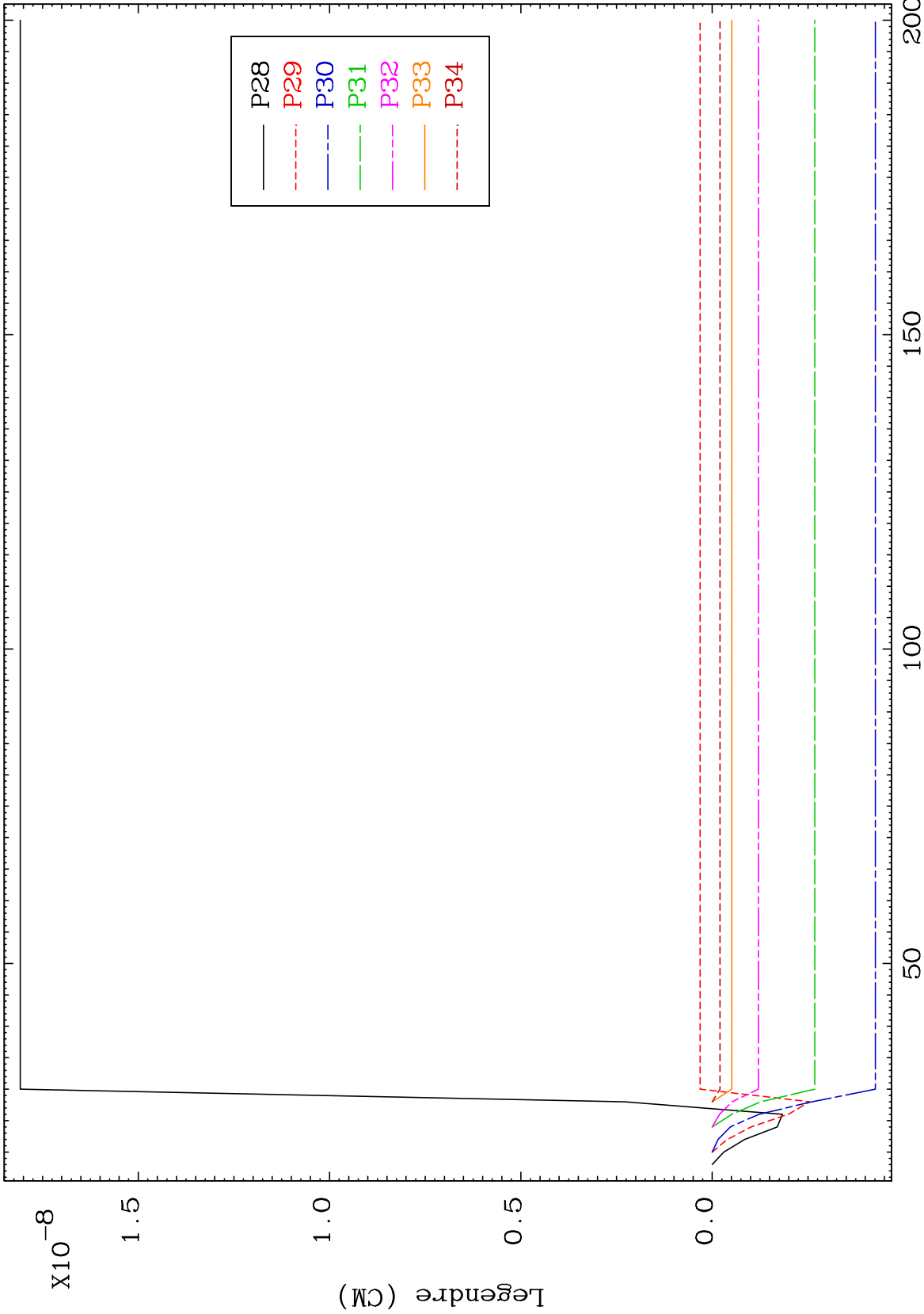
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



39

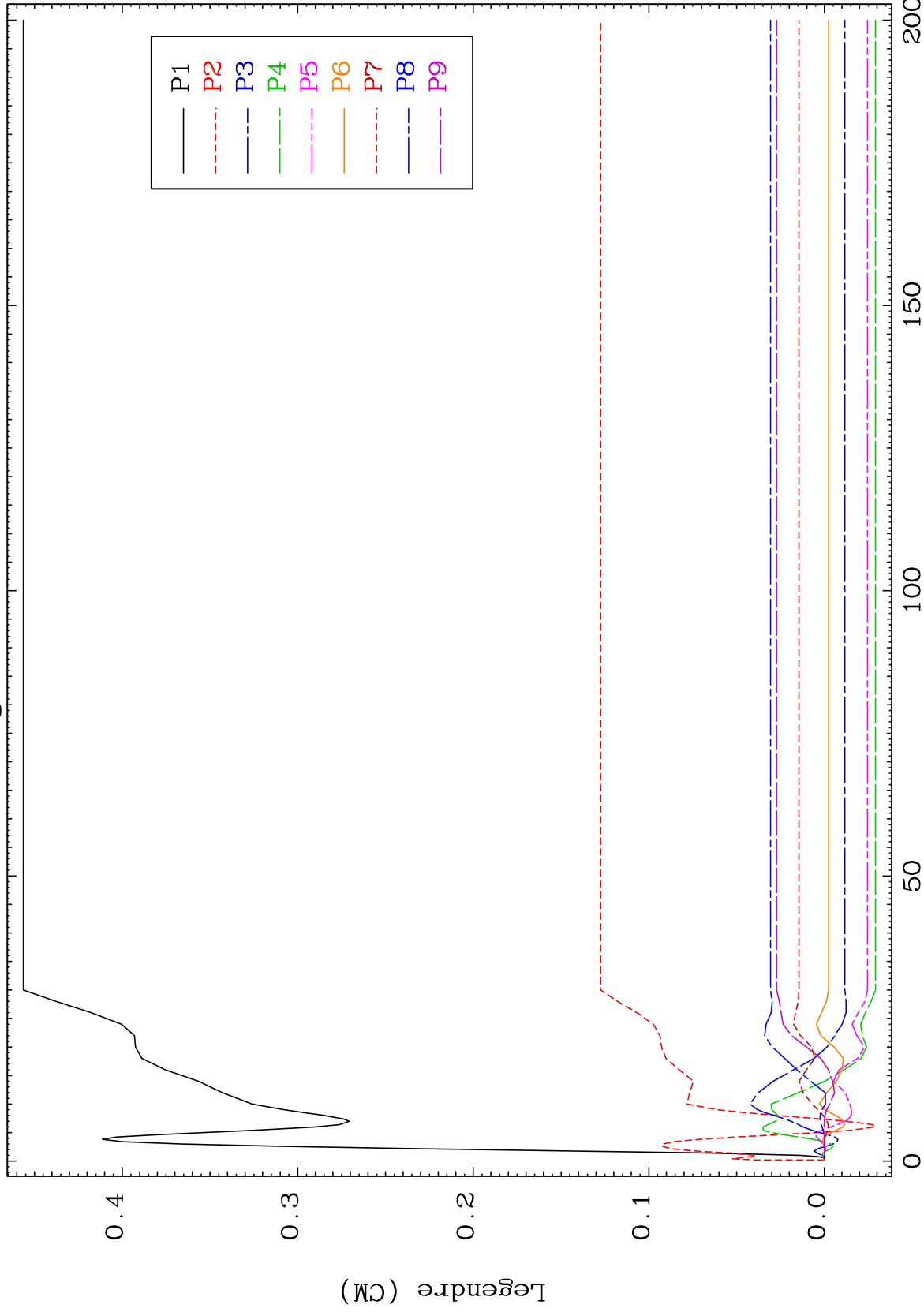
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

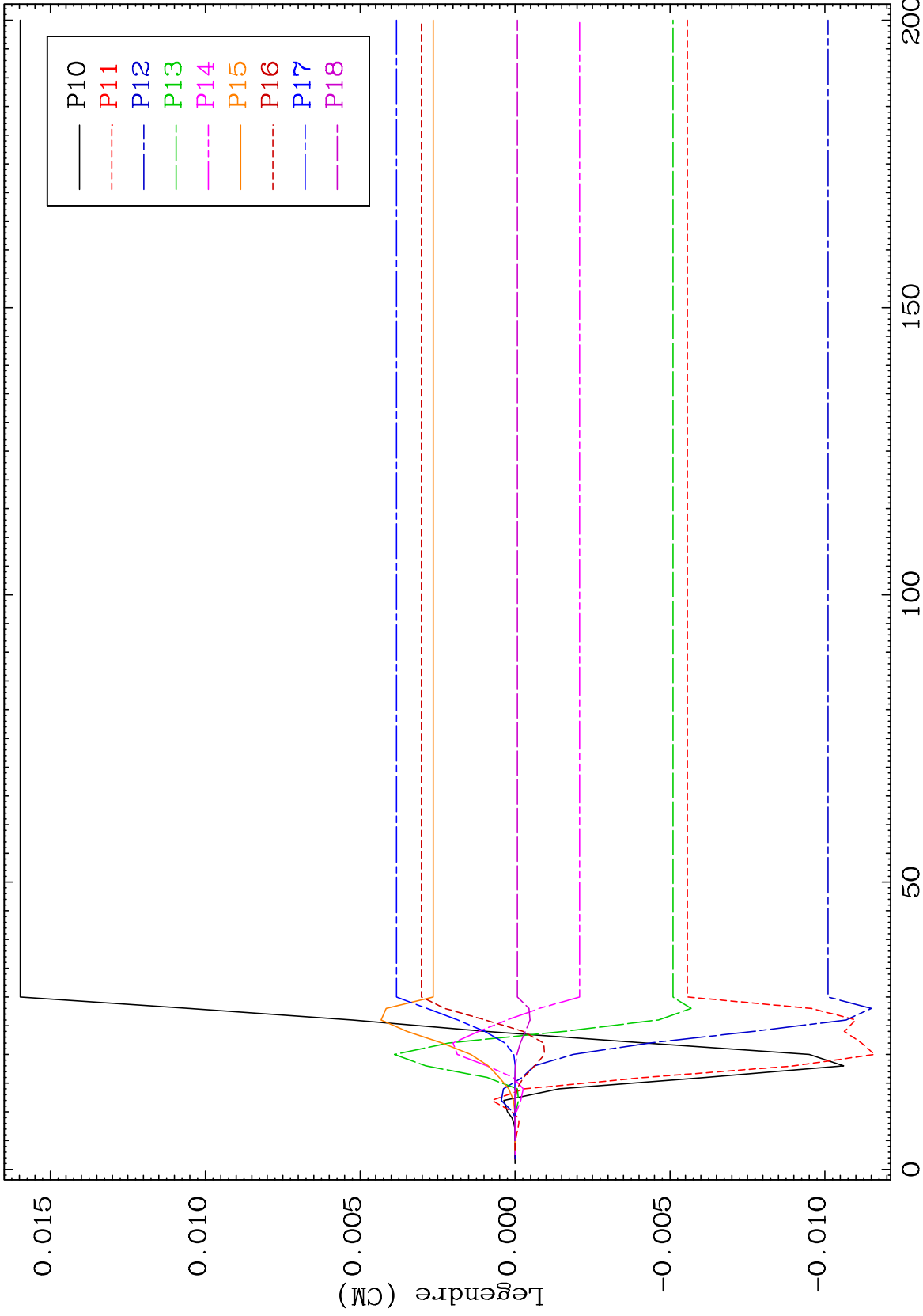
Incident Energy (MeV)

40

MAT 6892

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

69-Tm-158



41

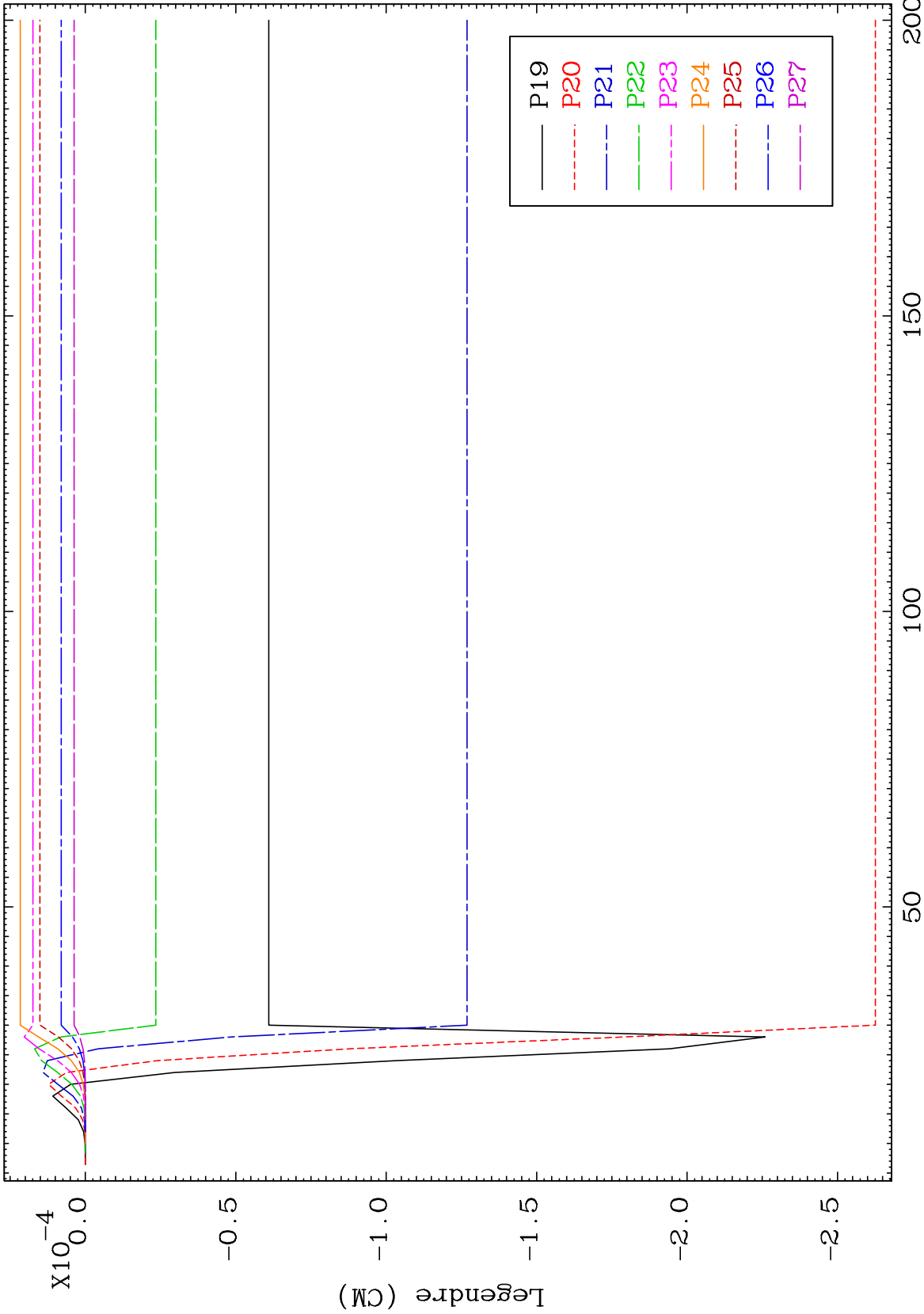
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



42

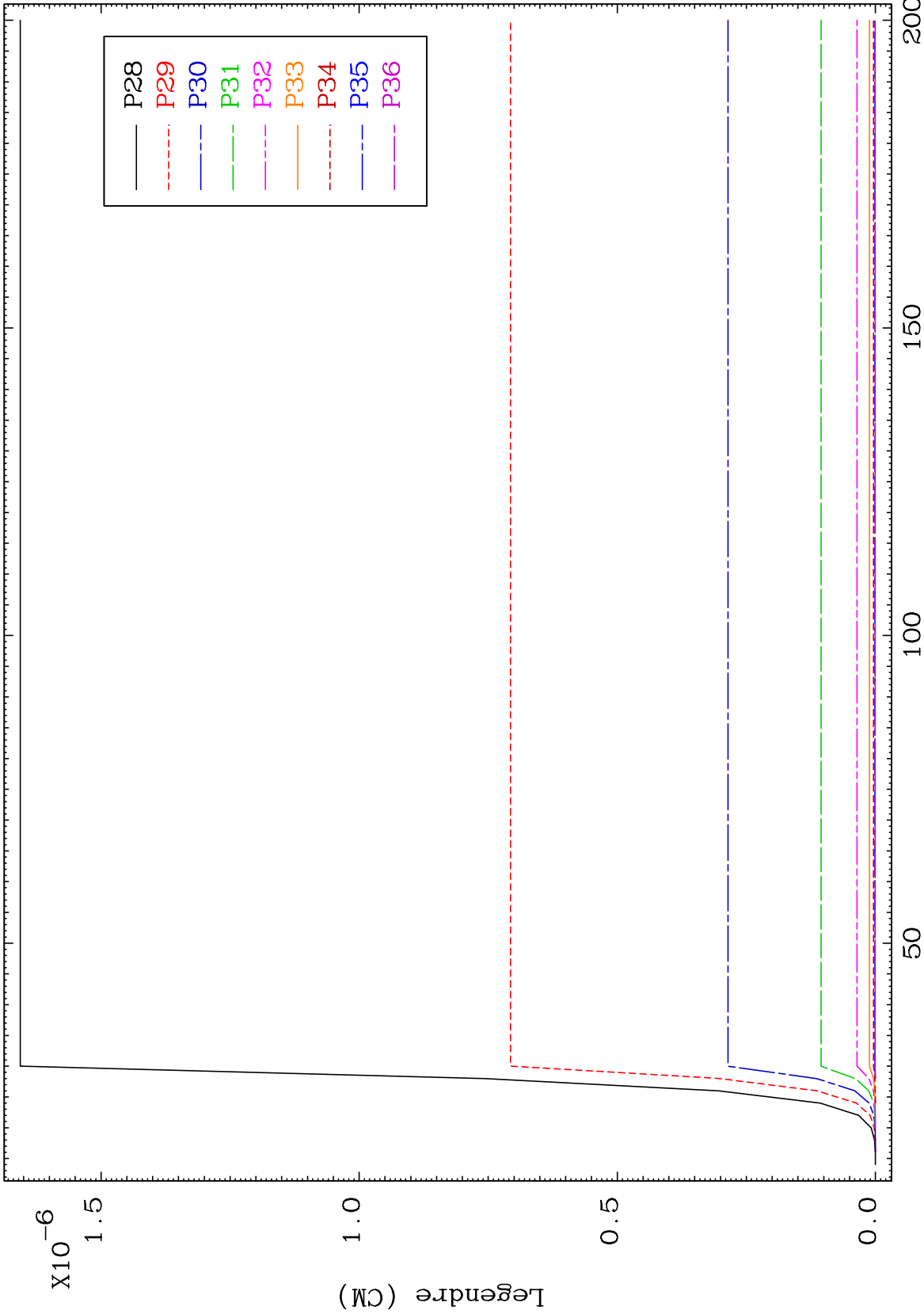
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



43

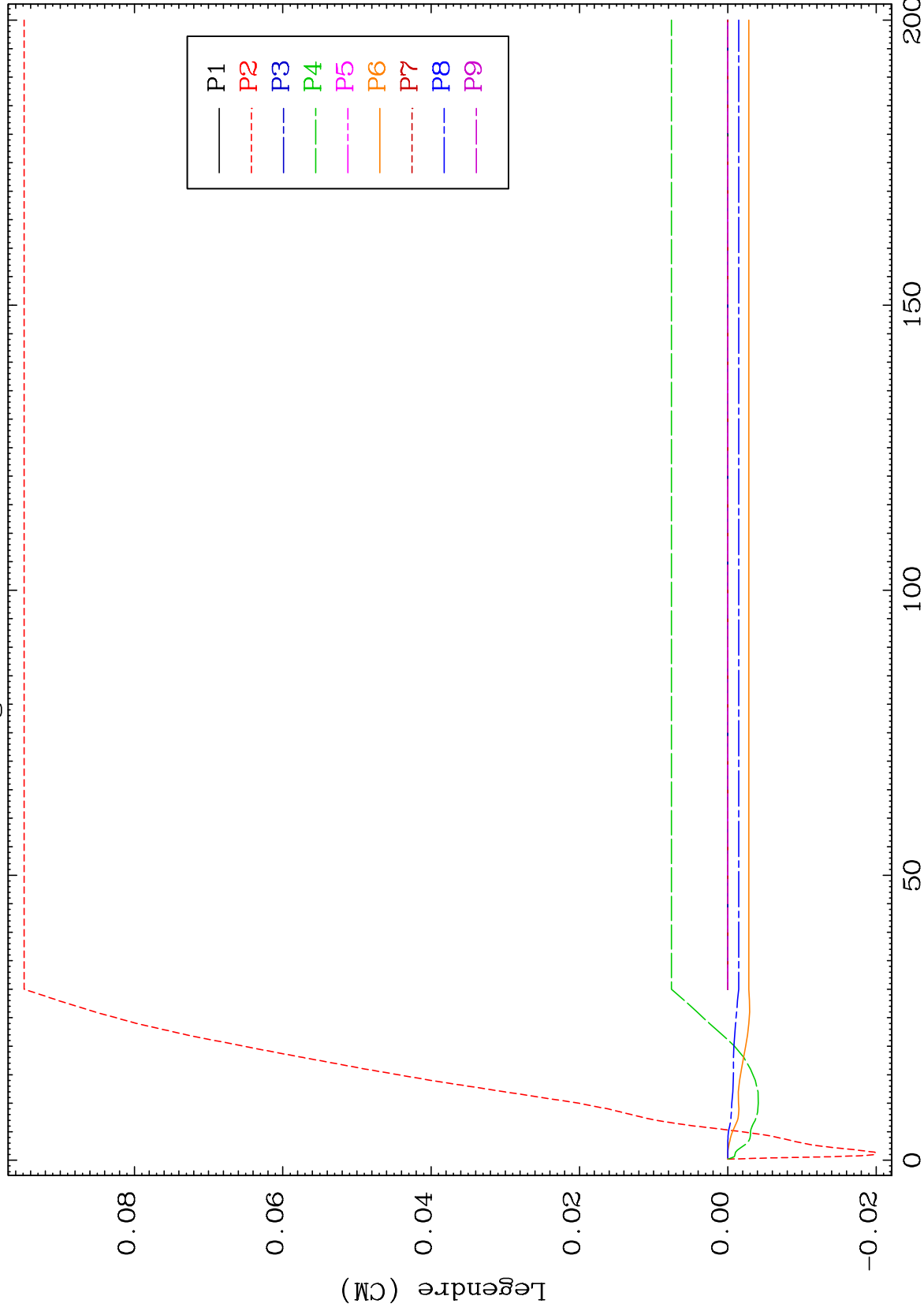
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



44

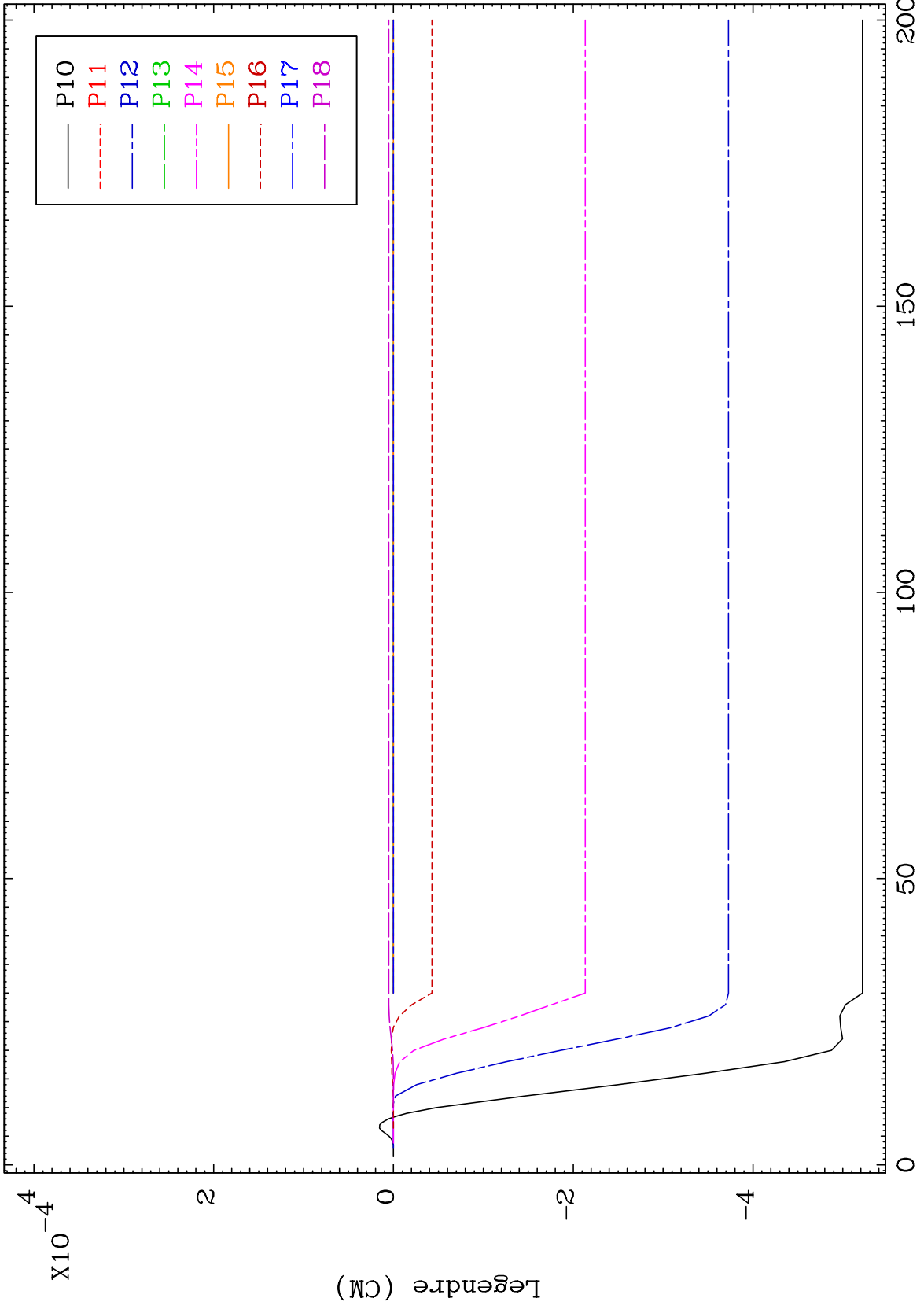
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

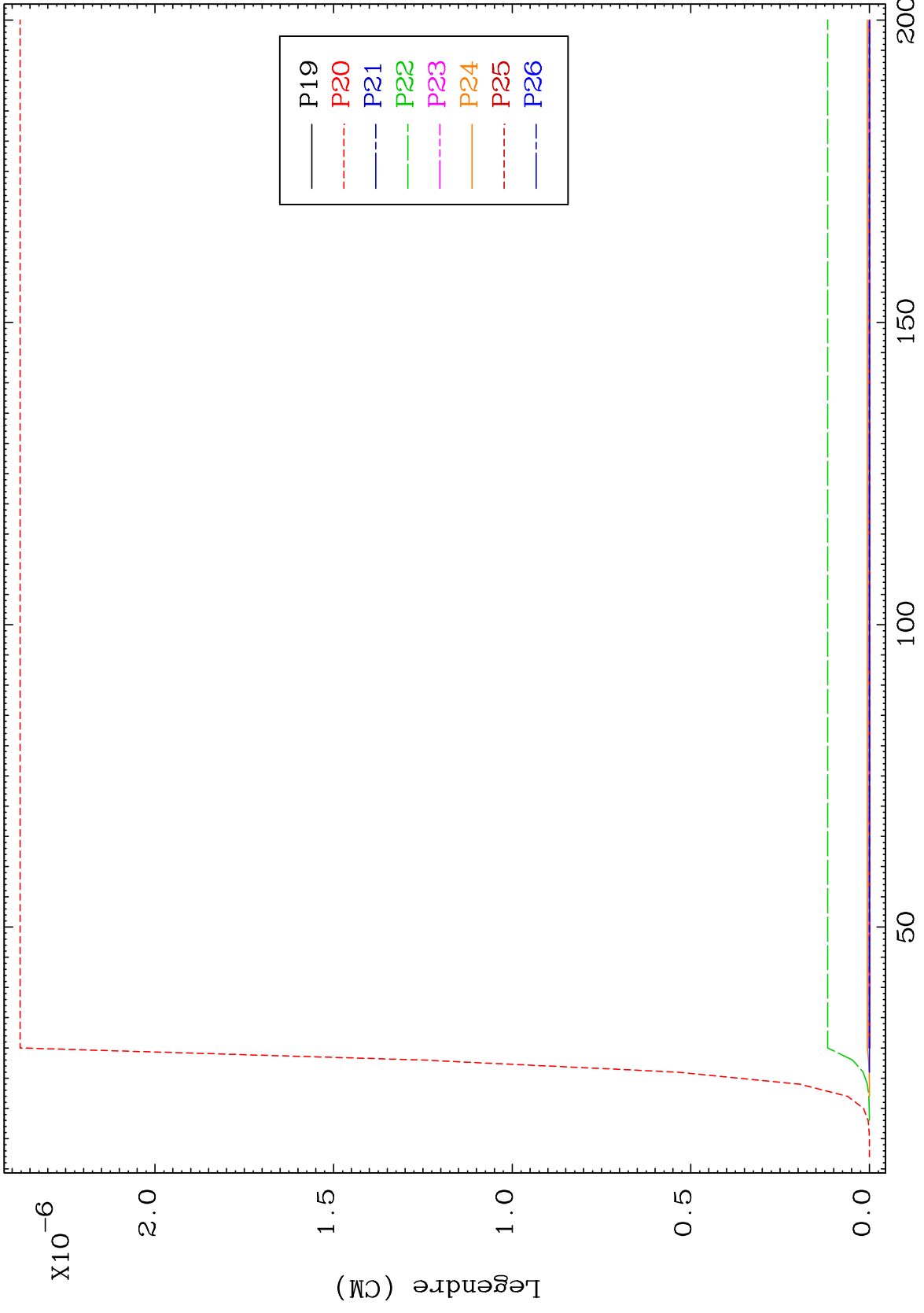


45

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-158

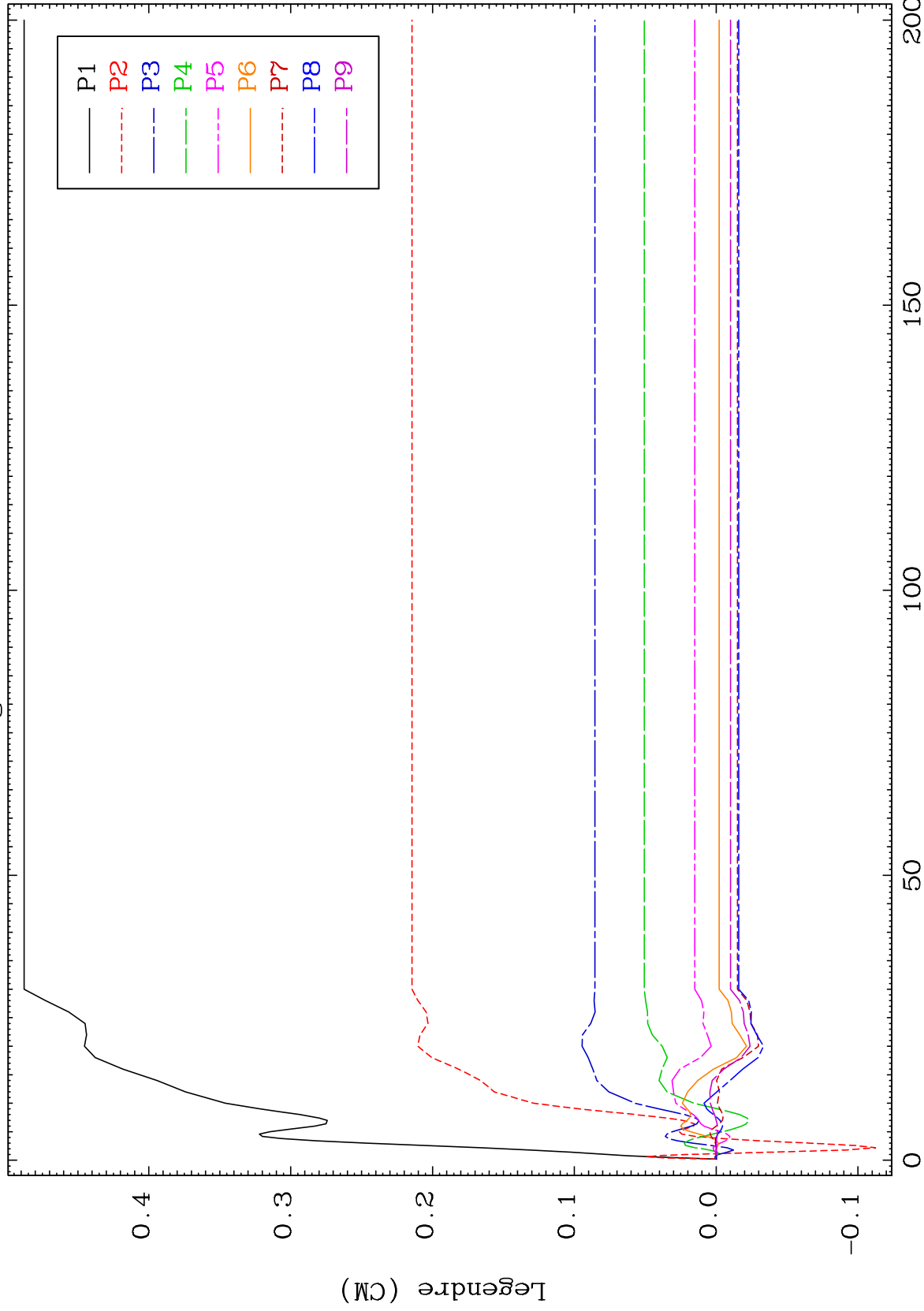


46 Incident Energy (MeV) 69-Tm-158

MAT 6892

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

69-Tm-158

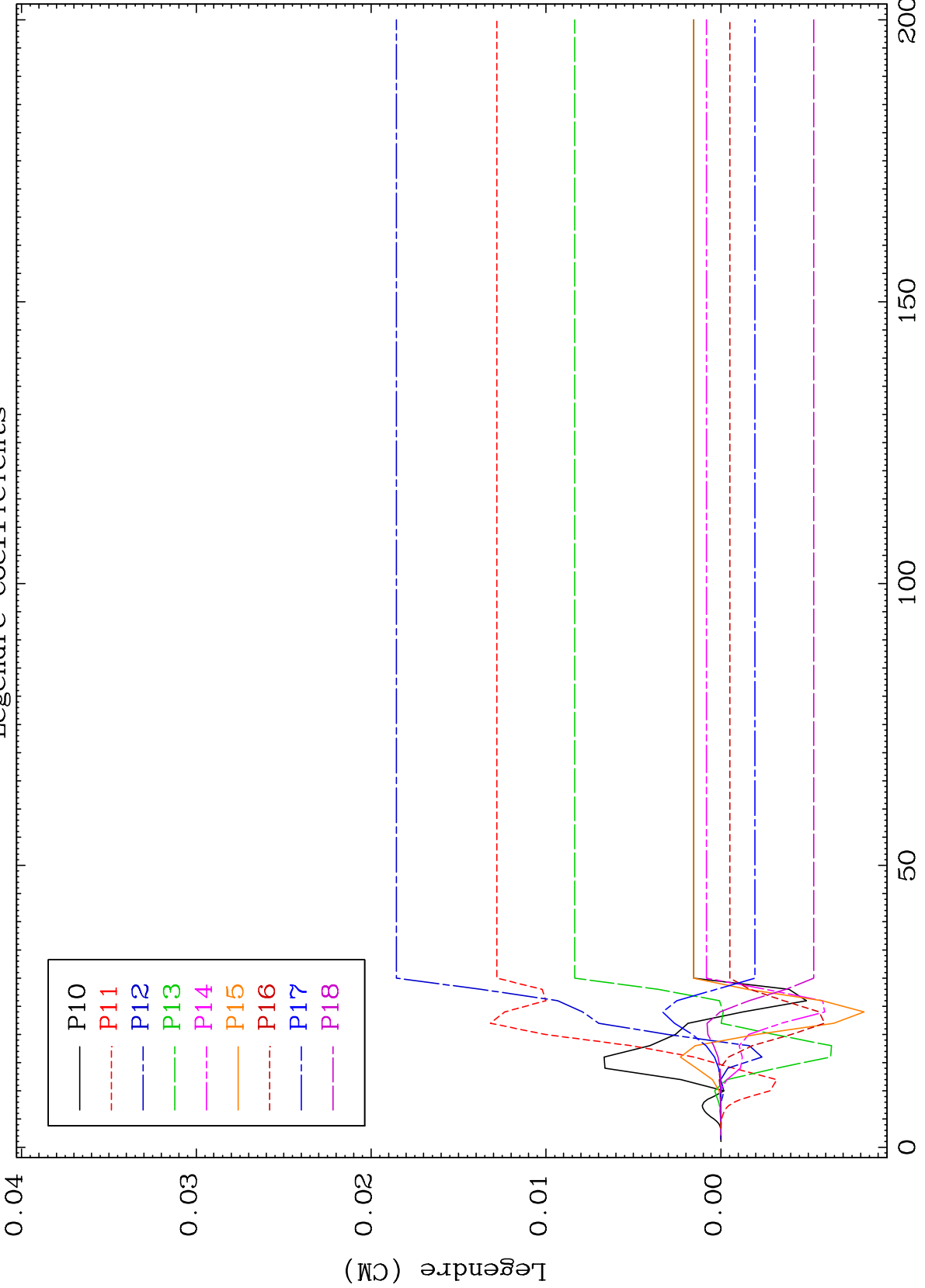


47

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-158



69-Tm-158

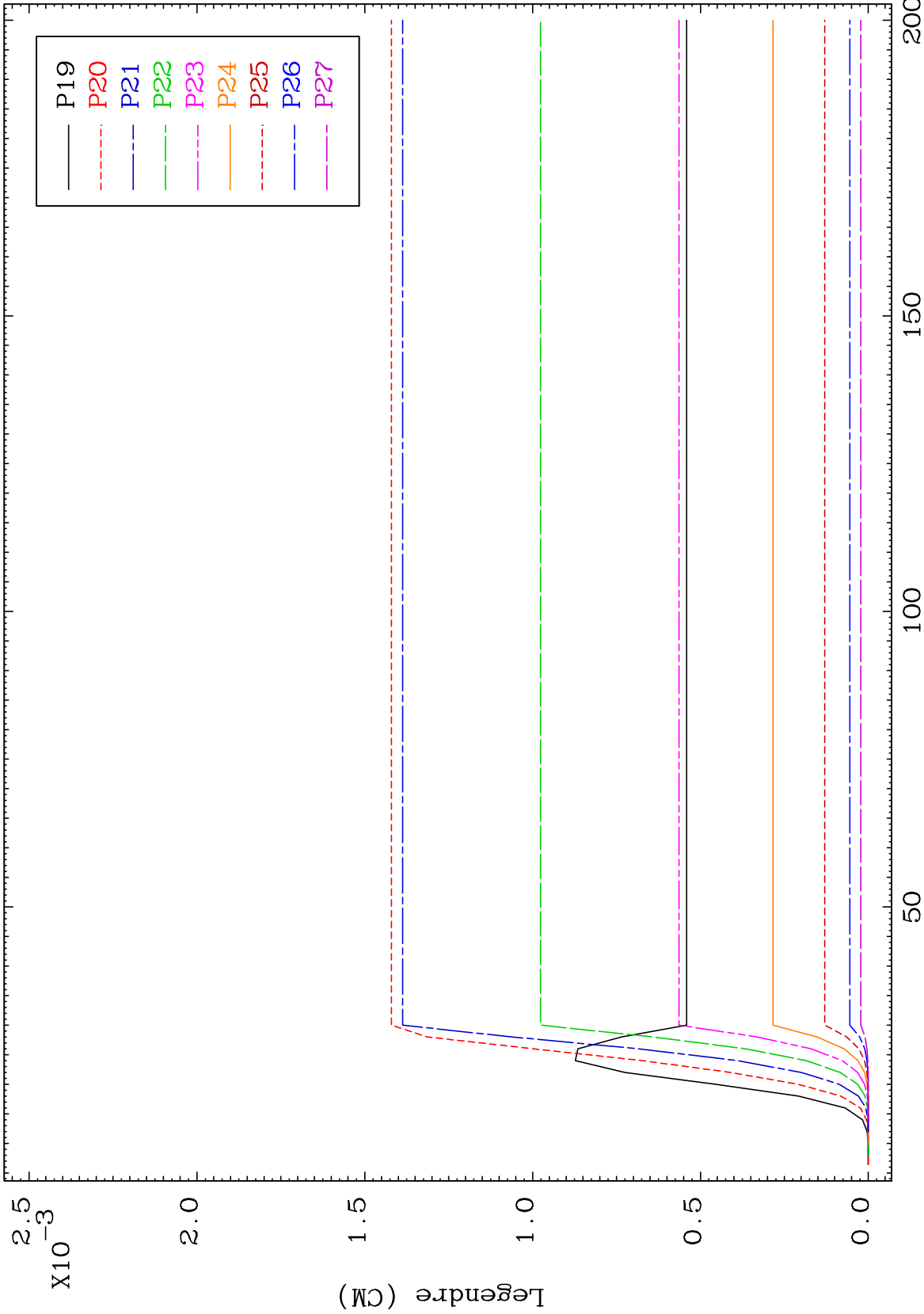
Incident Energy (MeV)

48

MAT 6892

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

69-Tm-158



49

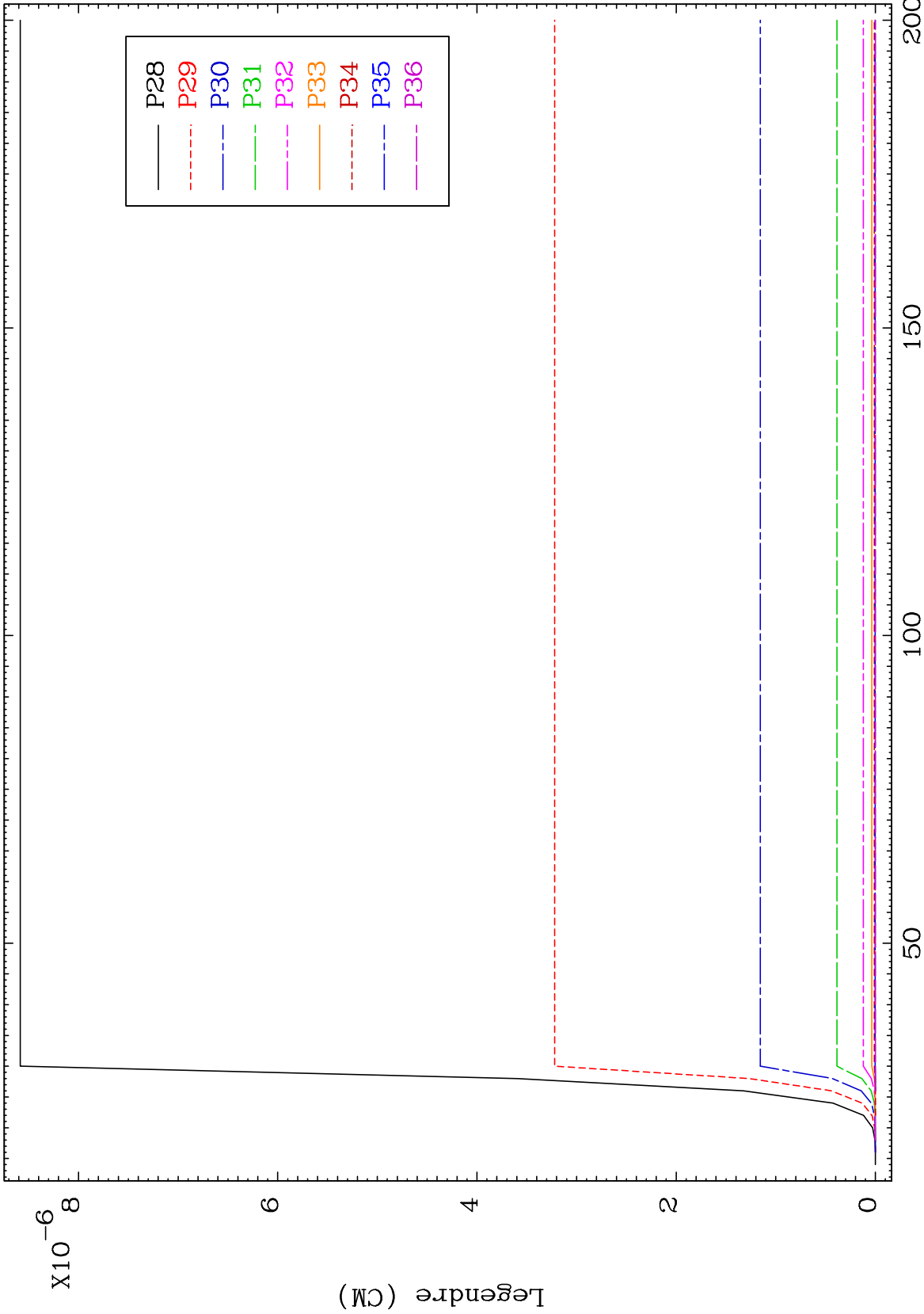
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



50

50

100

150

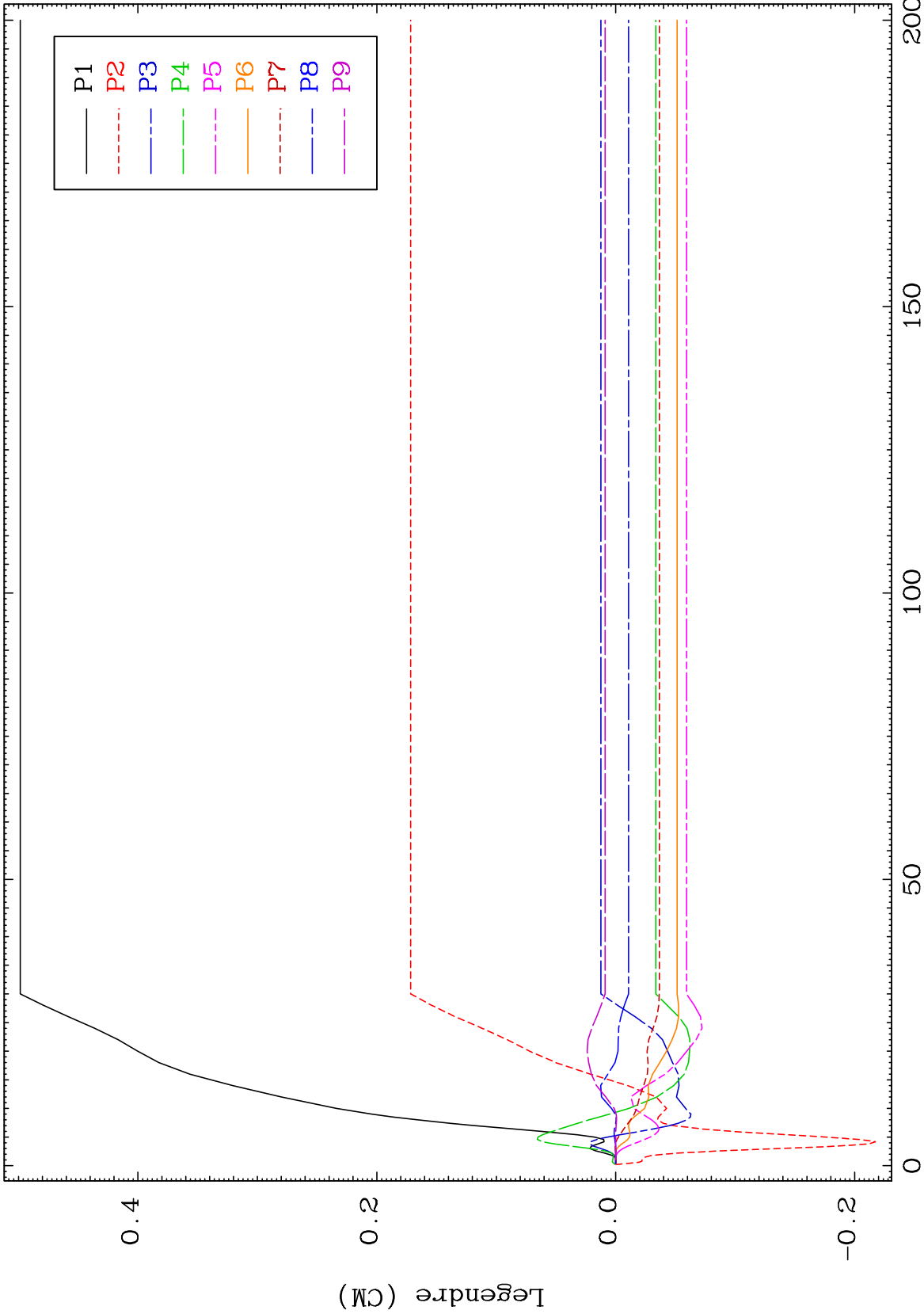
200

69-Tm-158

MAT 6892

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

69-Tm-158



51

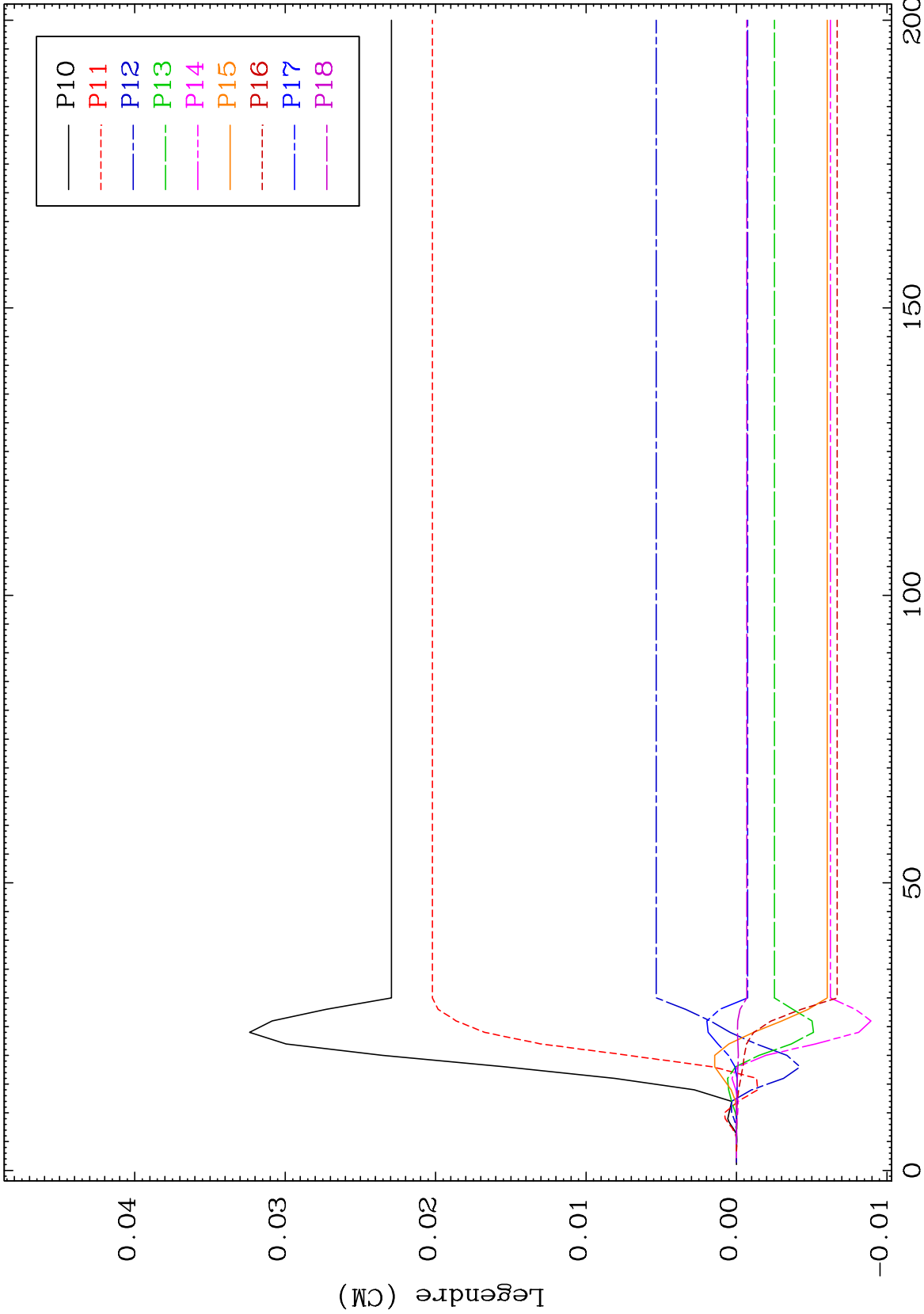
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



52

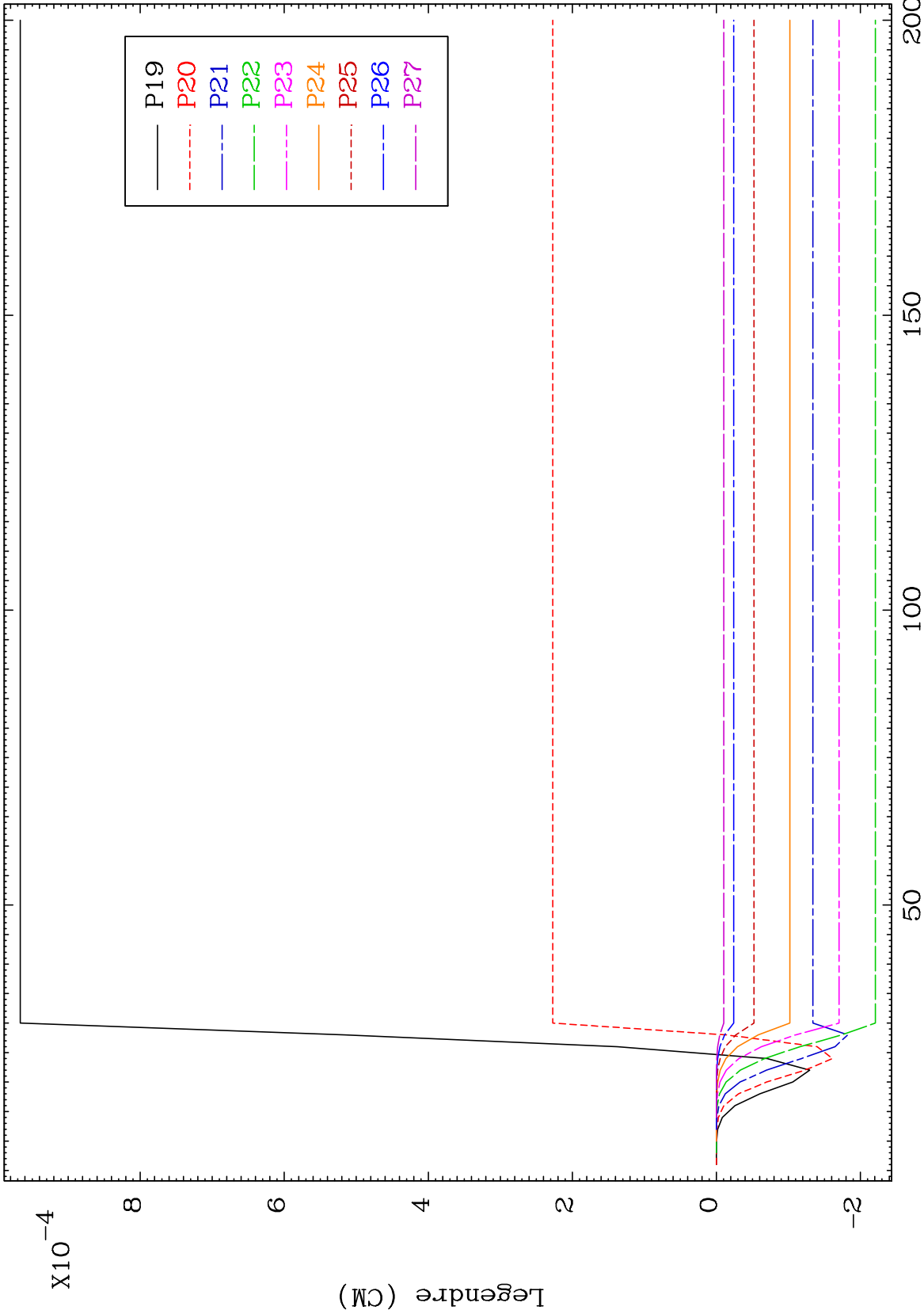
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



53

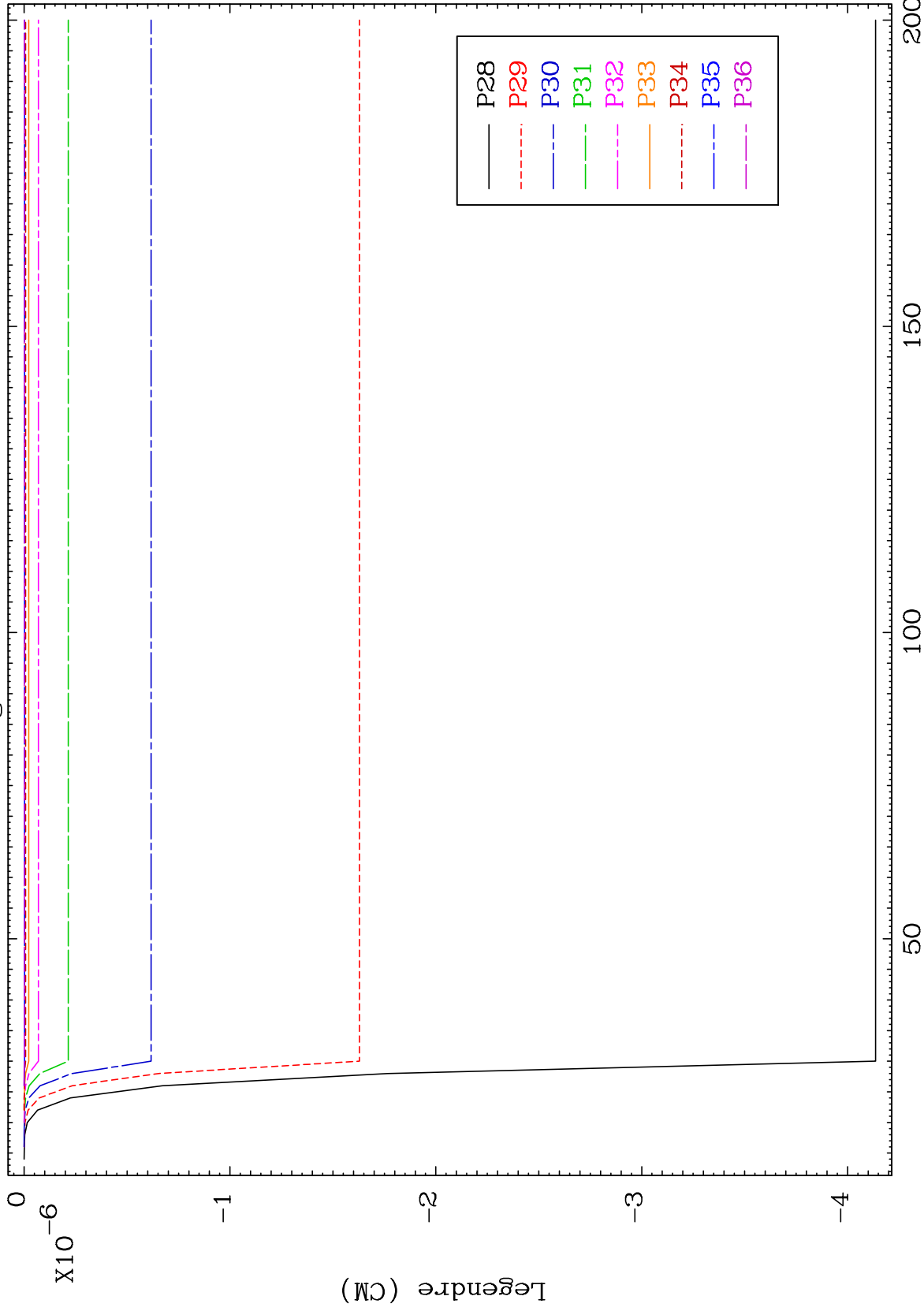
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

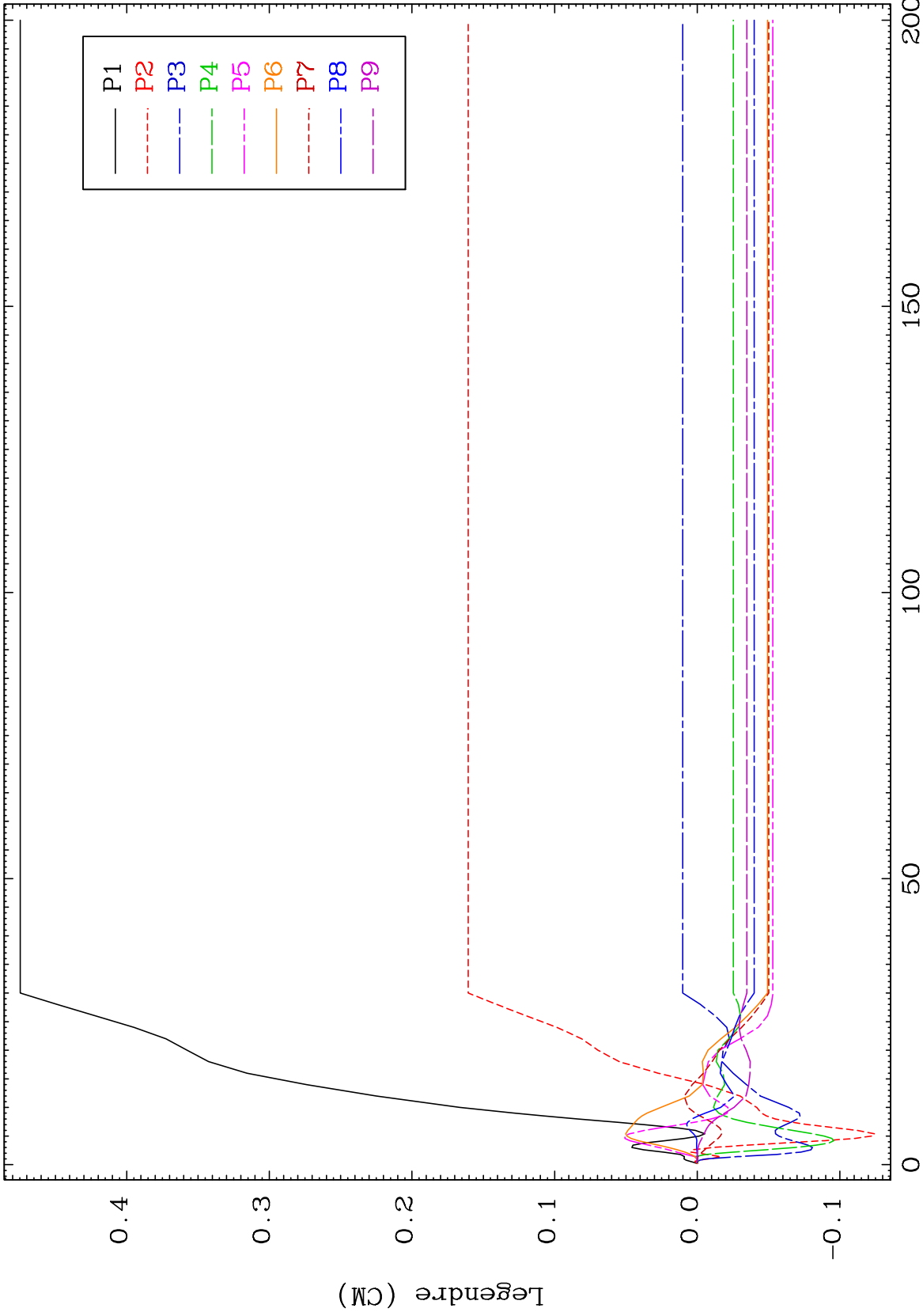
Incident Energy (MeV)

54

MAT 6892

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

69-Tm-158



55

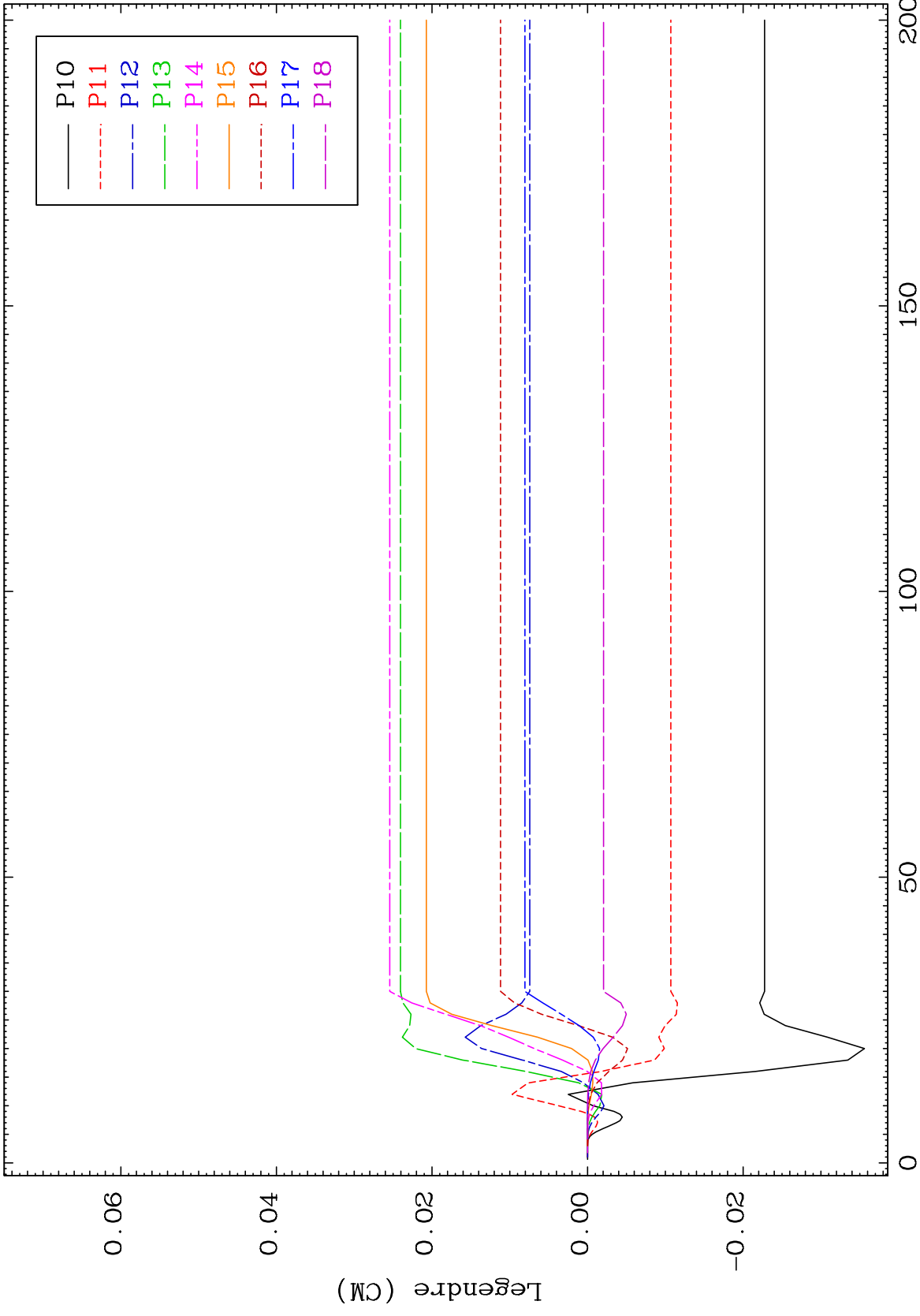
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



56

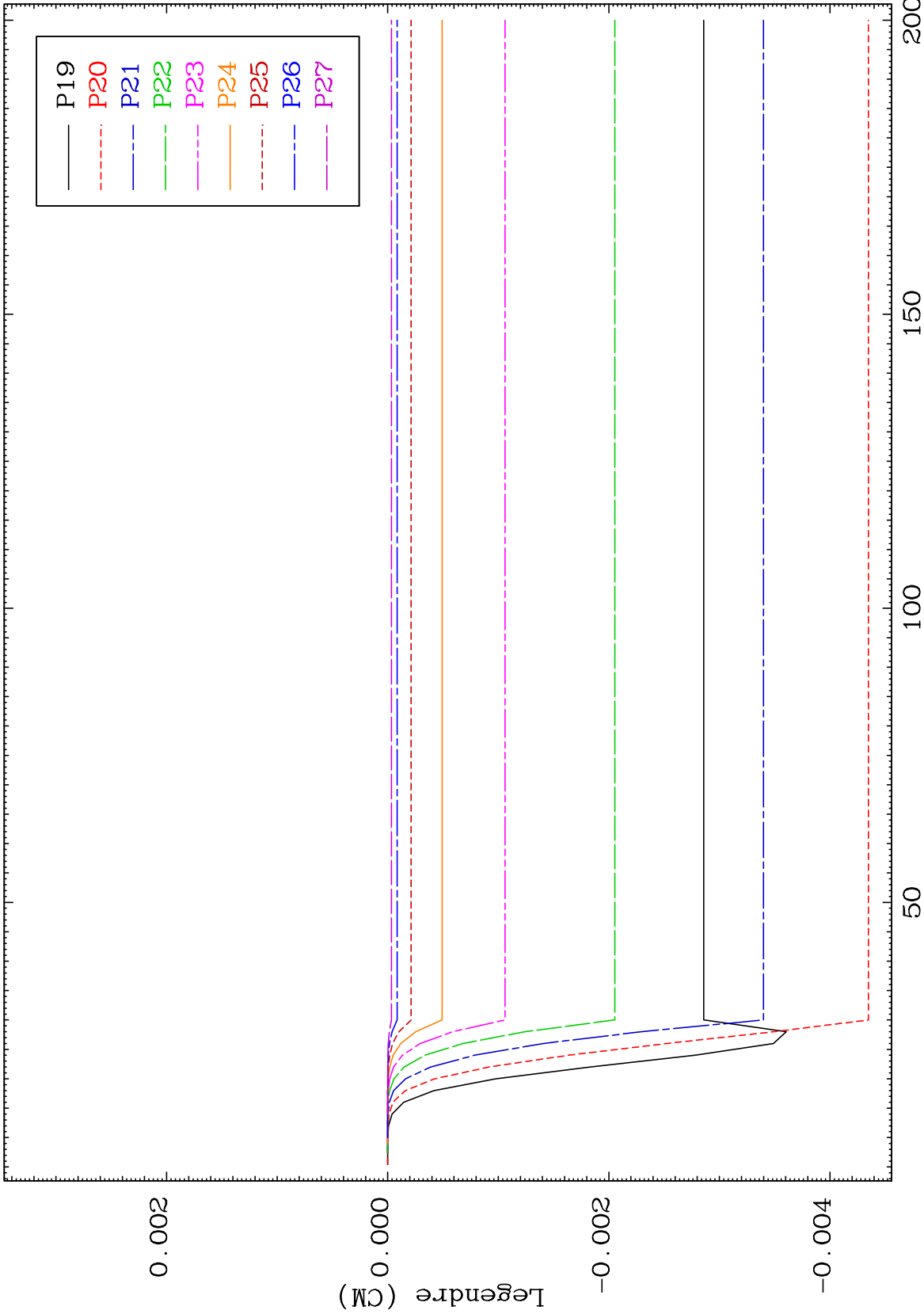
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



57

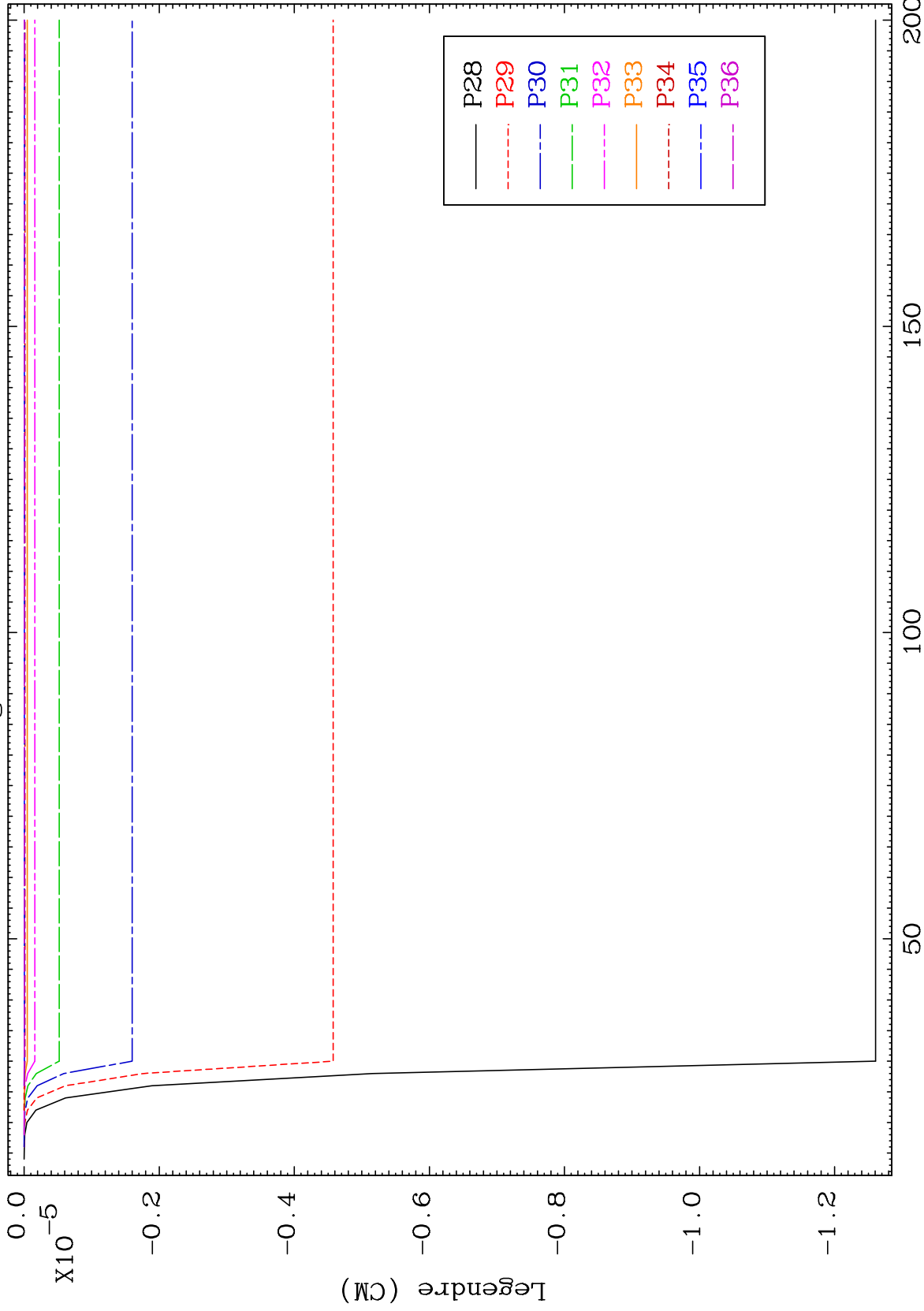
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

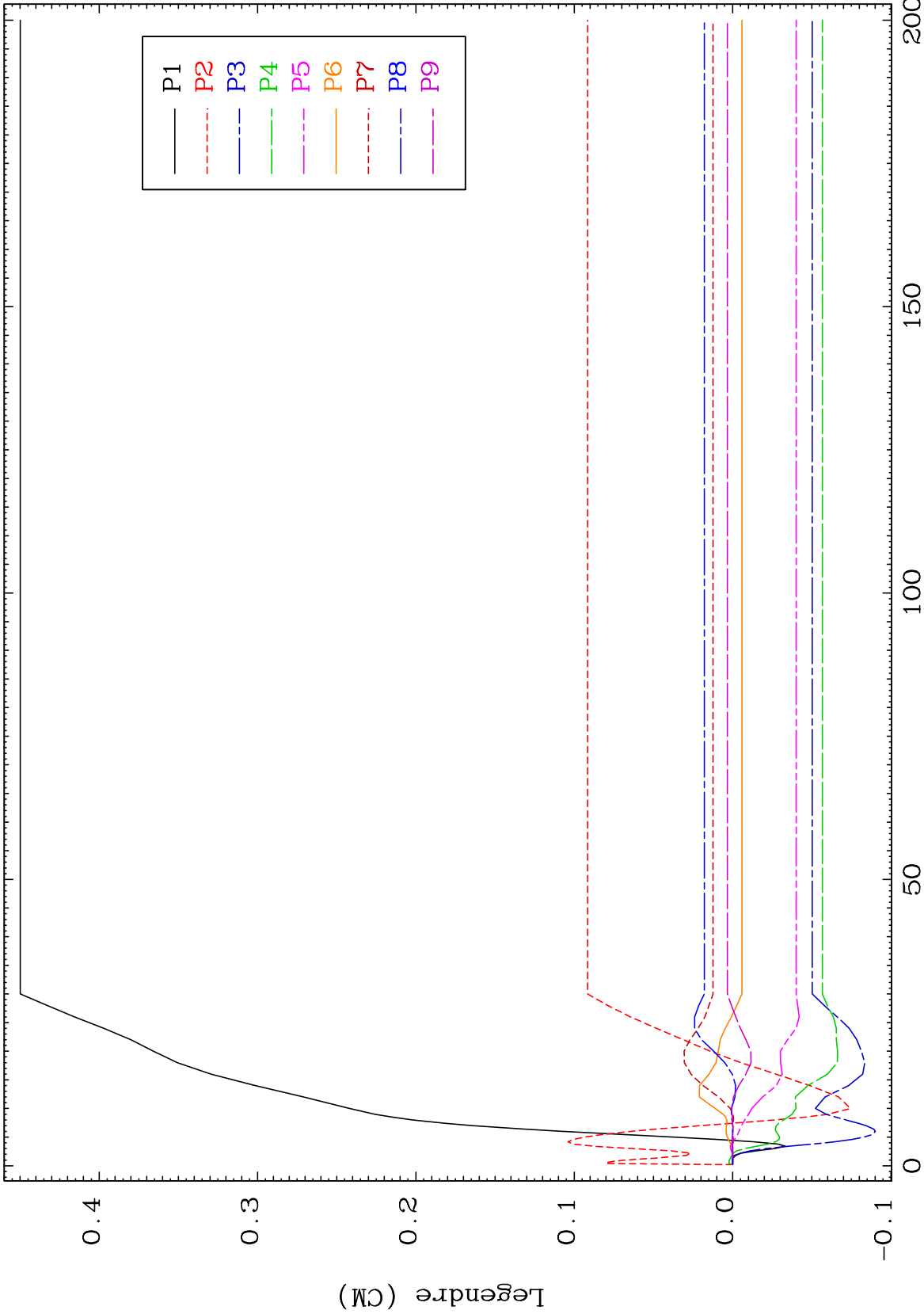
Incident Energy (MeV)

58

MAT 6892

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

69-Tm-158



59

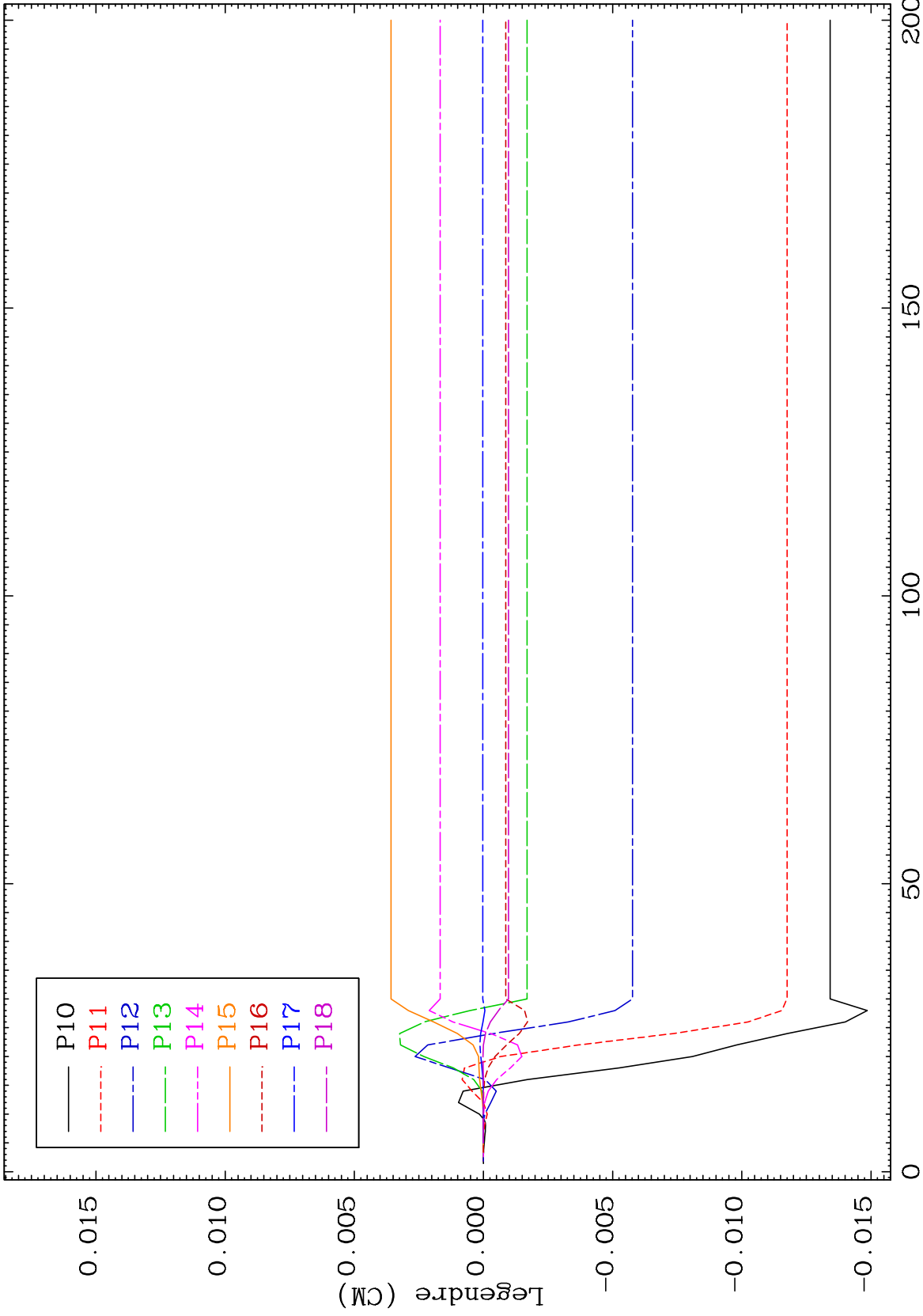
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



60

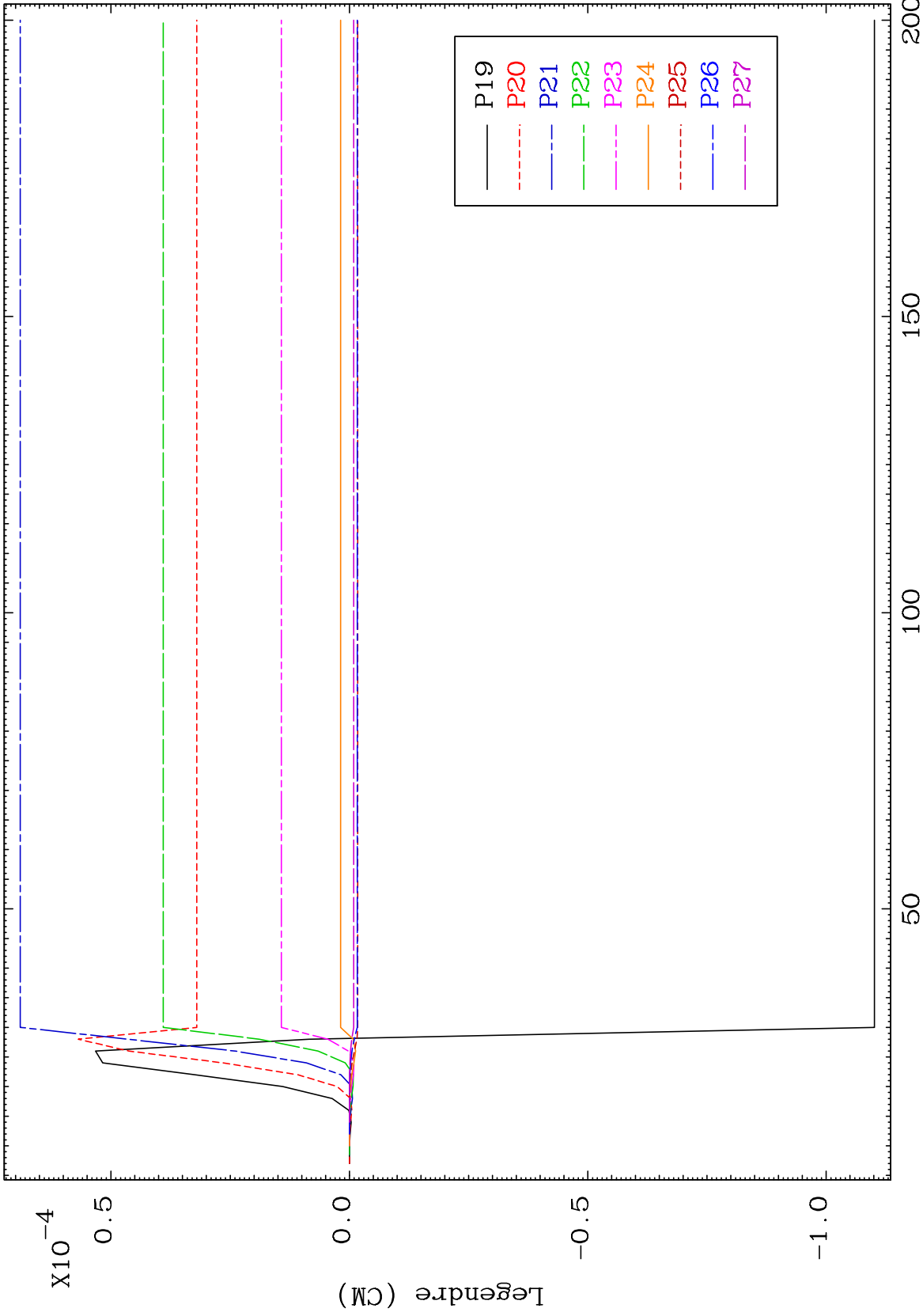
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



61

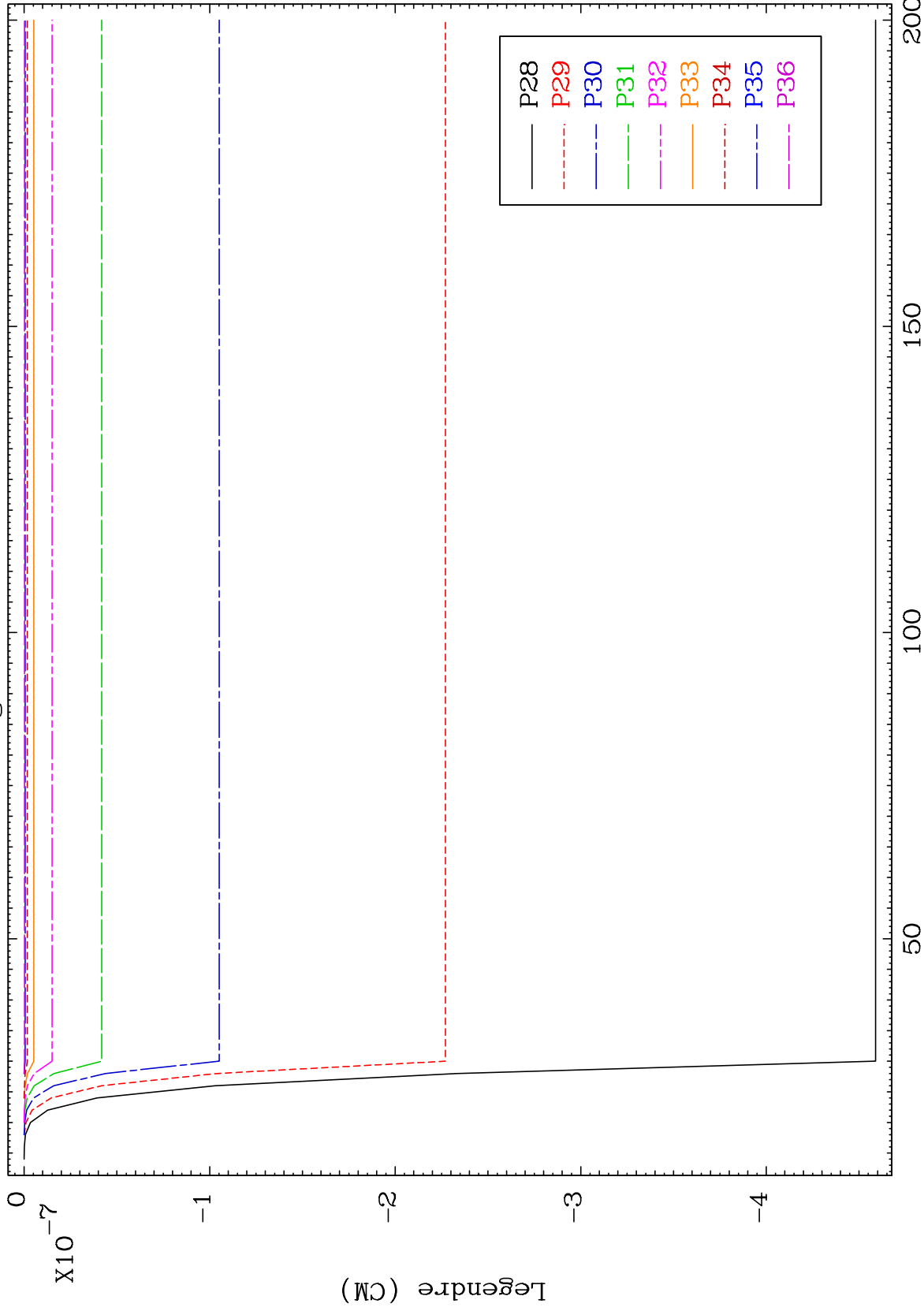
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



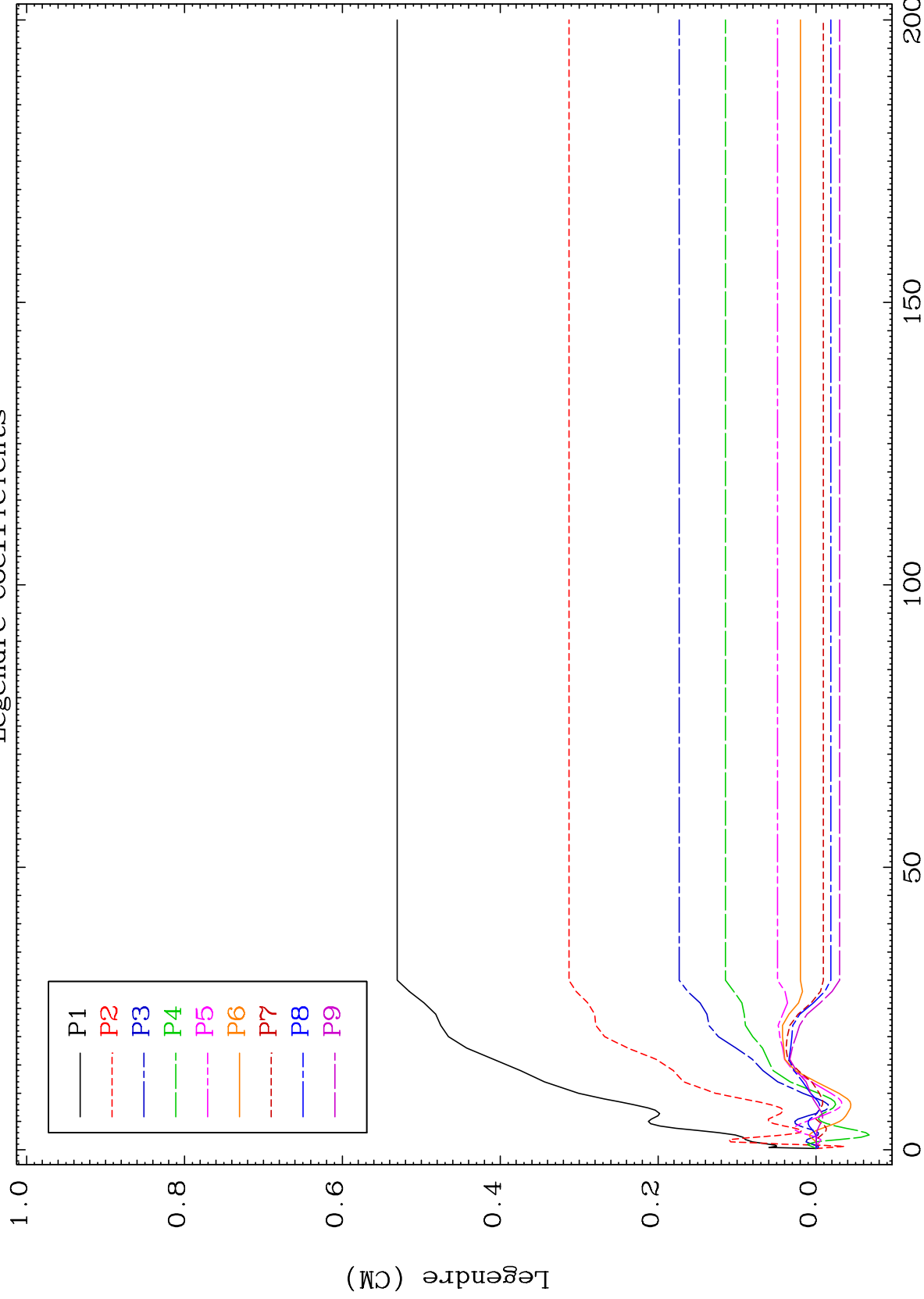
62

69-Tm-158

MAT 6892

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

69-Tm-158



63

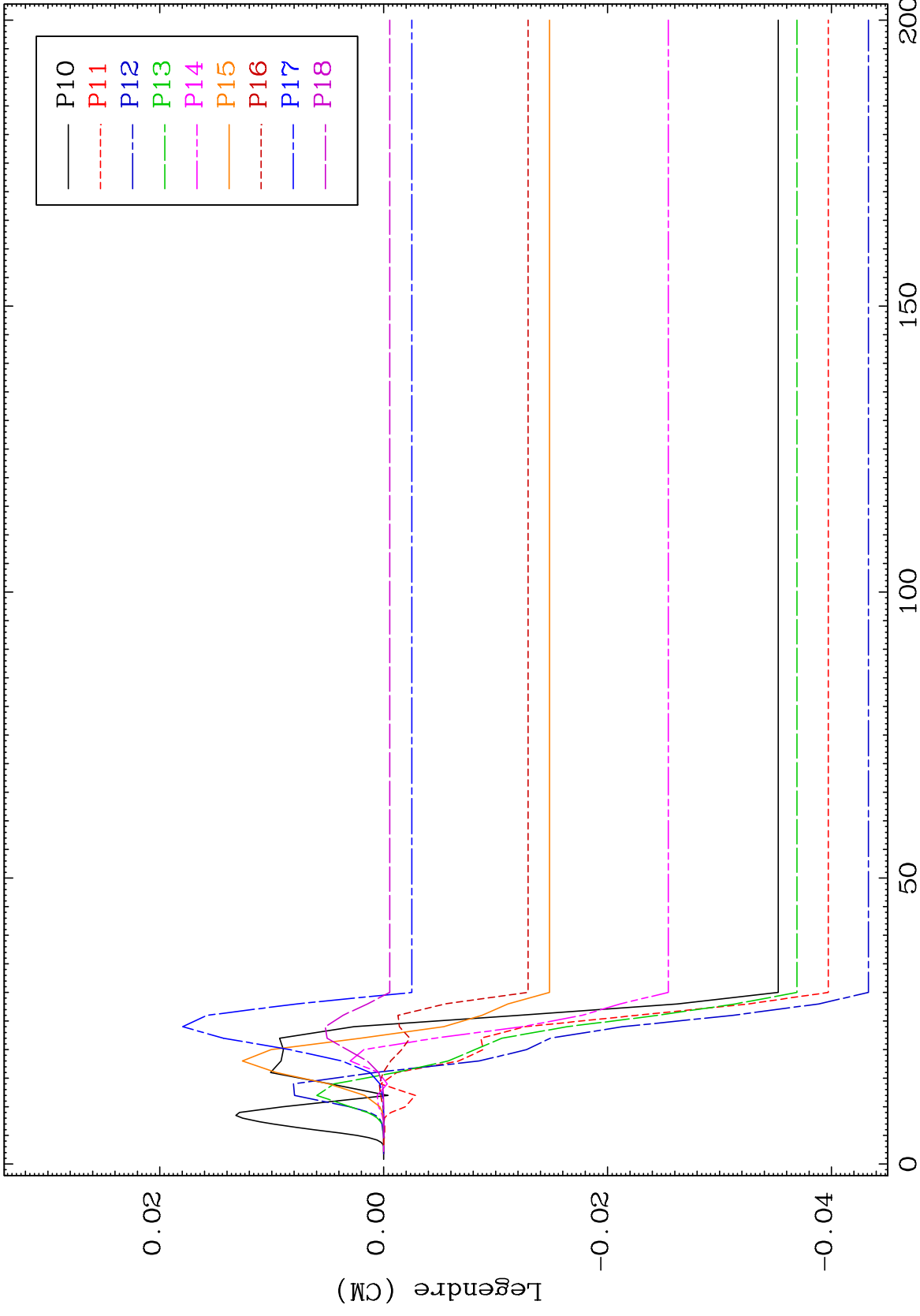
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



64

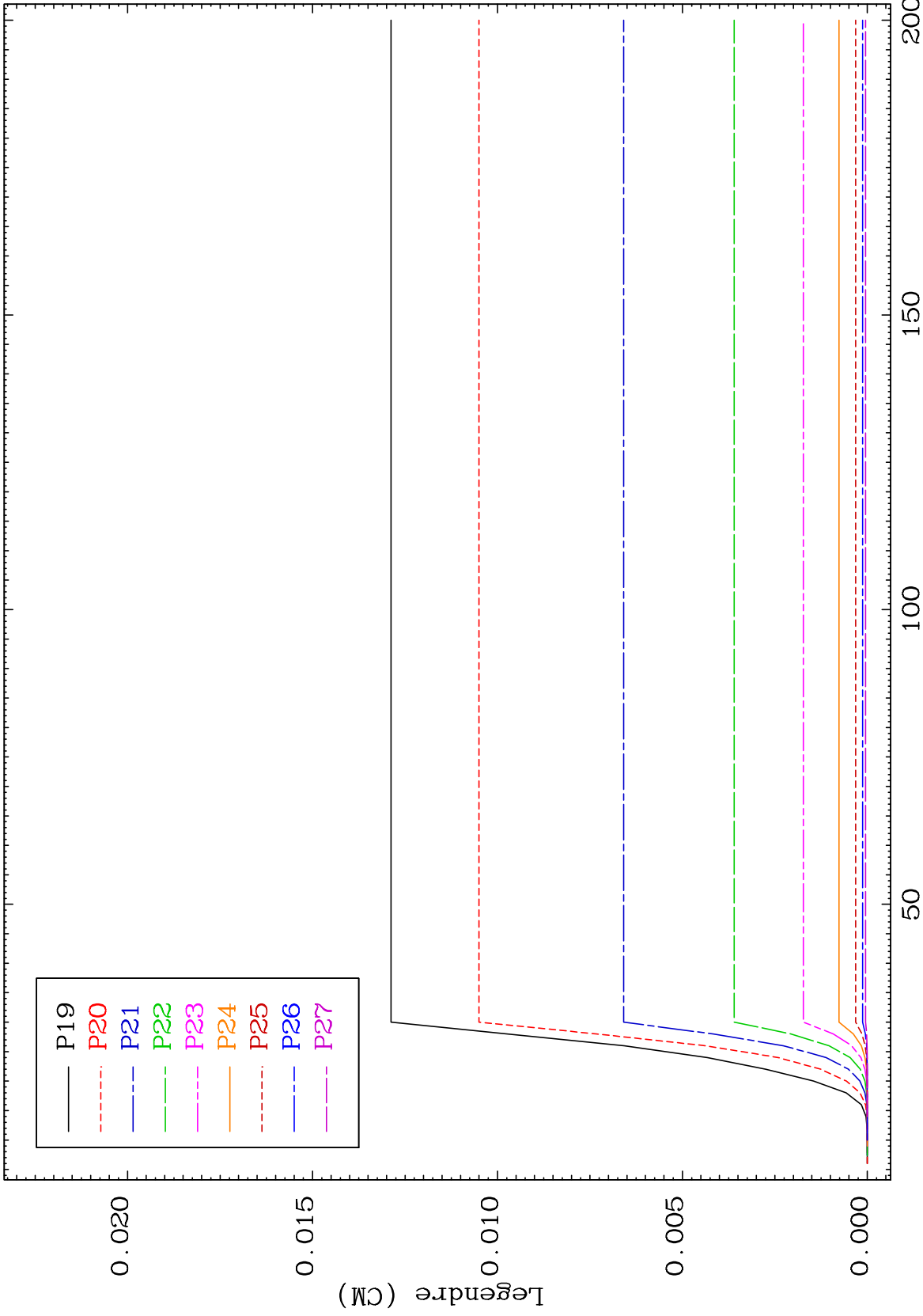
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



65

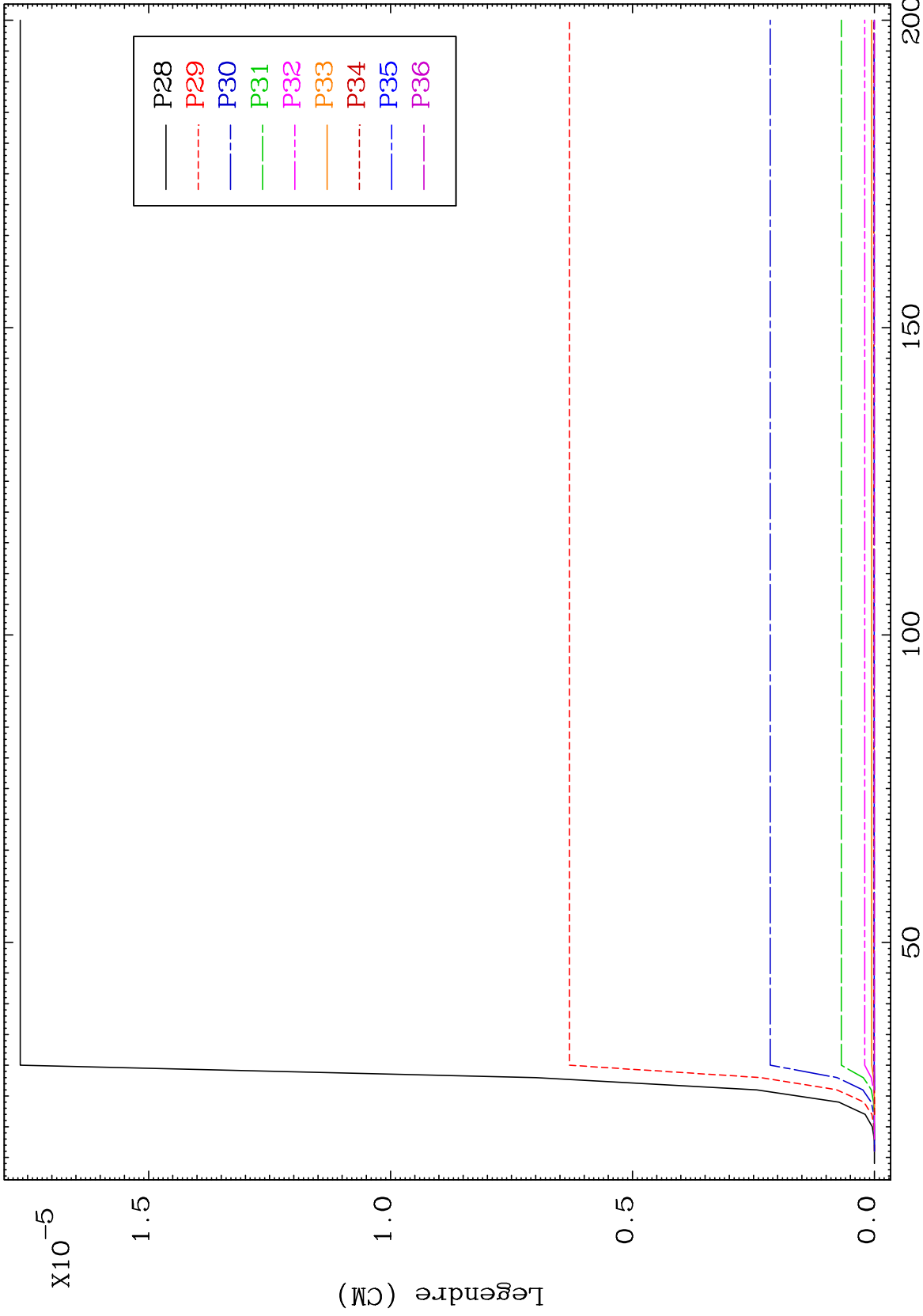
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

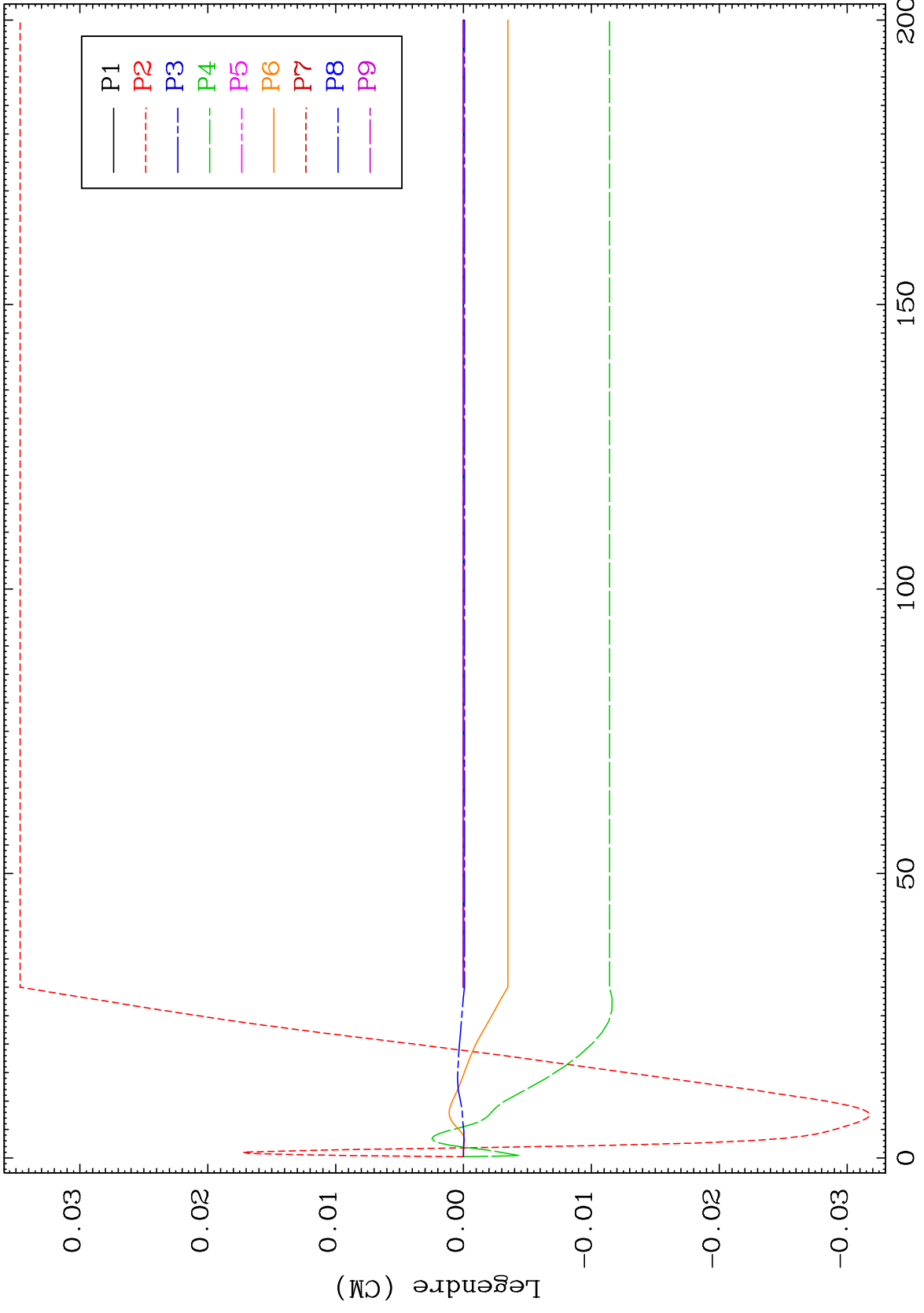


66

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 64 (n,n') Level Legendre Coefficients 69-Tm-158

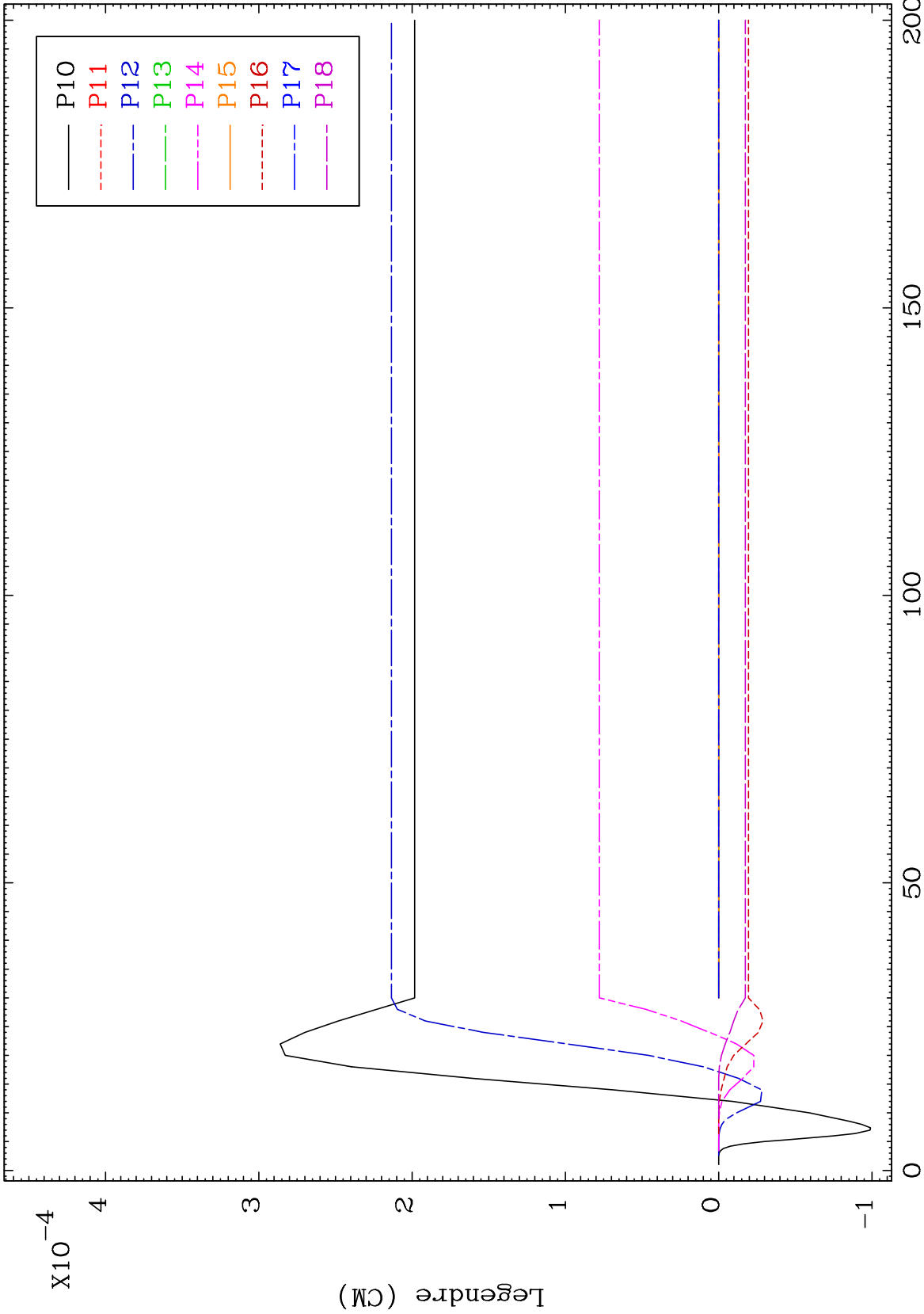


67 69-Tm-158

MAT 6892

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

69-Tm-158



68

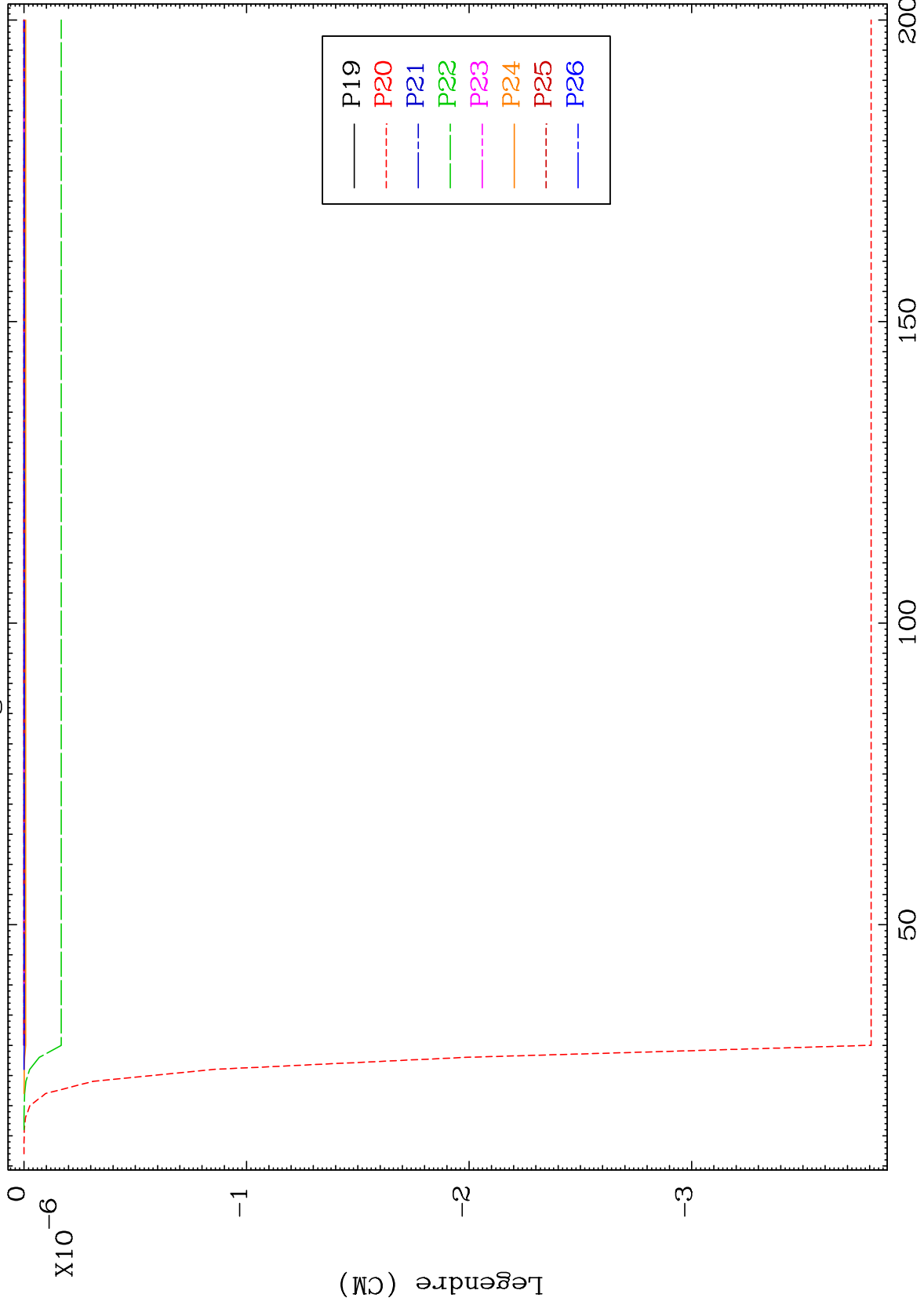
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

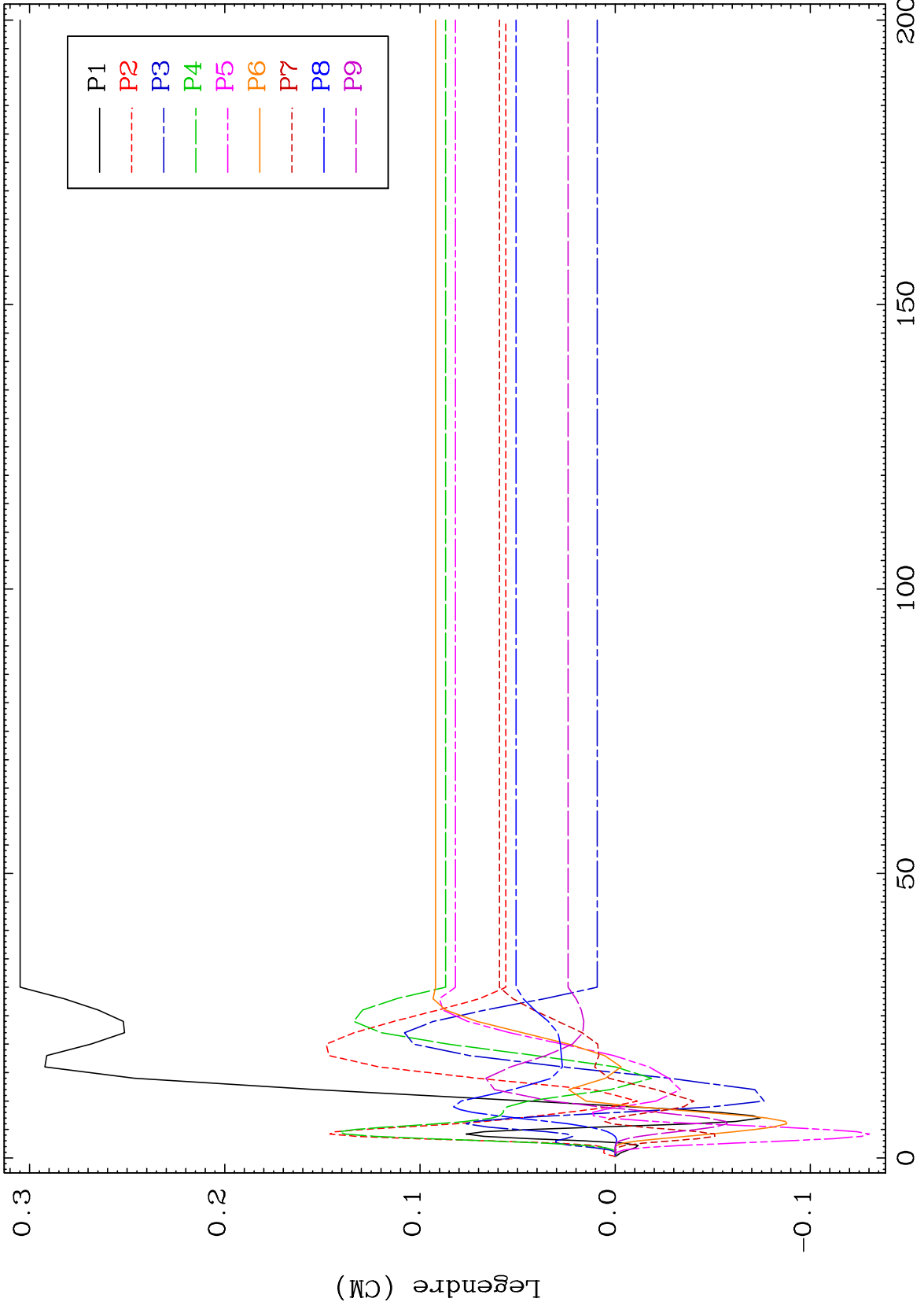


69-Tm-158

Incident Energy (MeV)

69

MAT 6892 MT= 65 (n,n') Level Legendre Coefficients 69-Tm-158

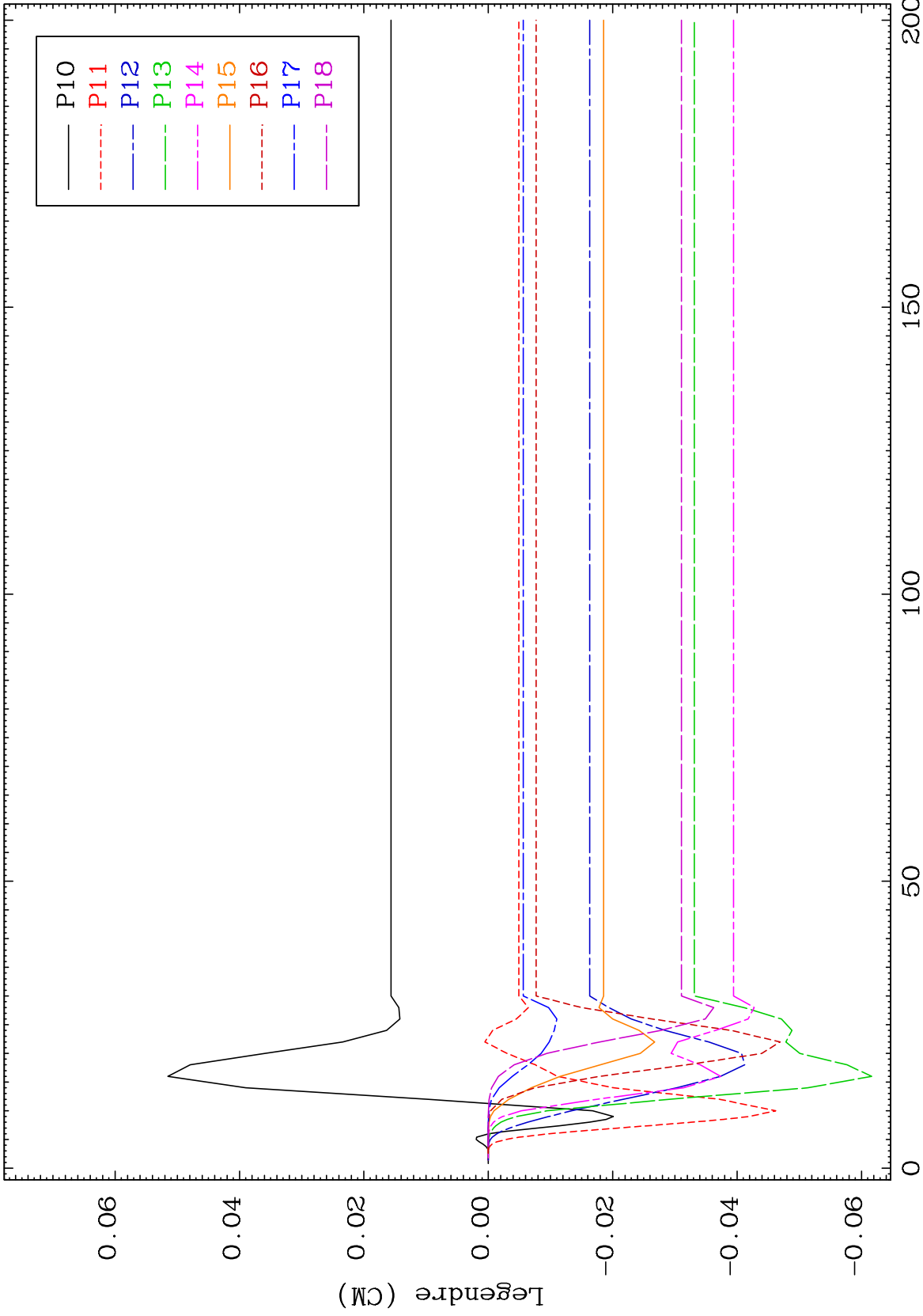


70 Incident Energy (MeV) 69-Tm-158

MAT 6892

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

69-Tm-158



71

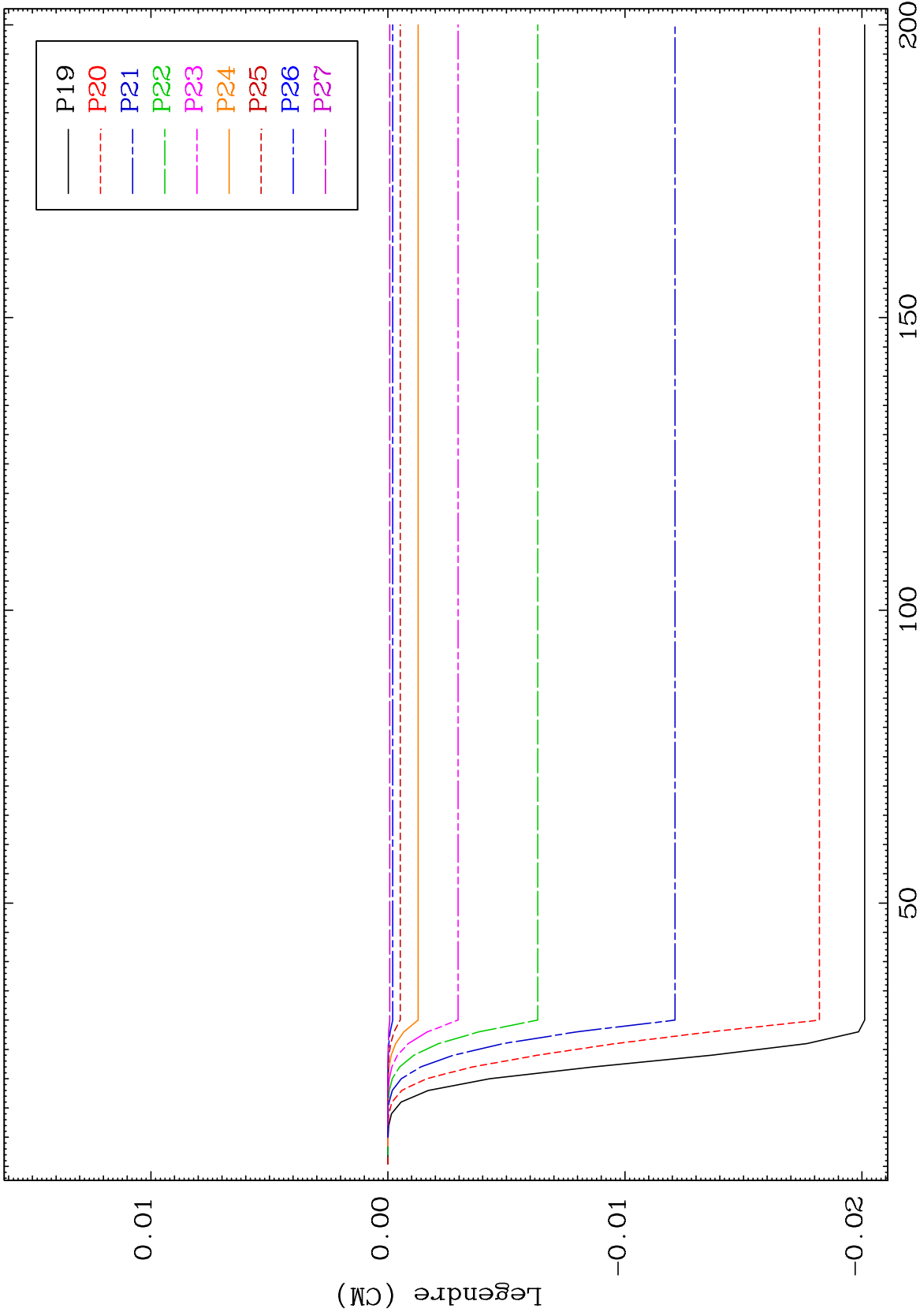
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



72

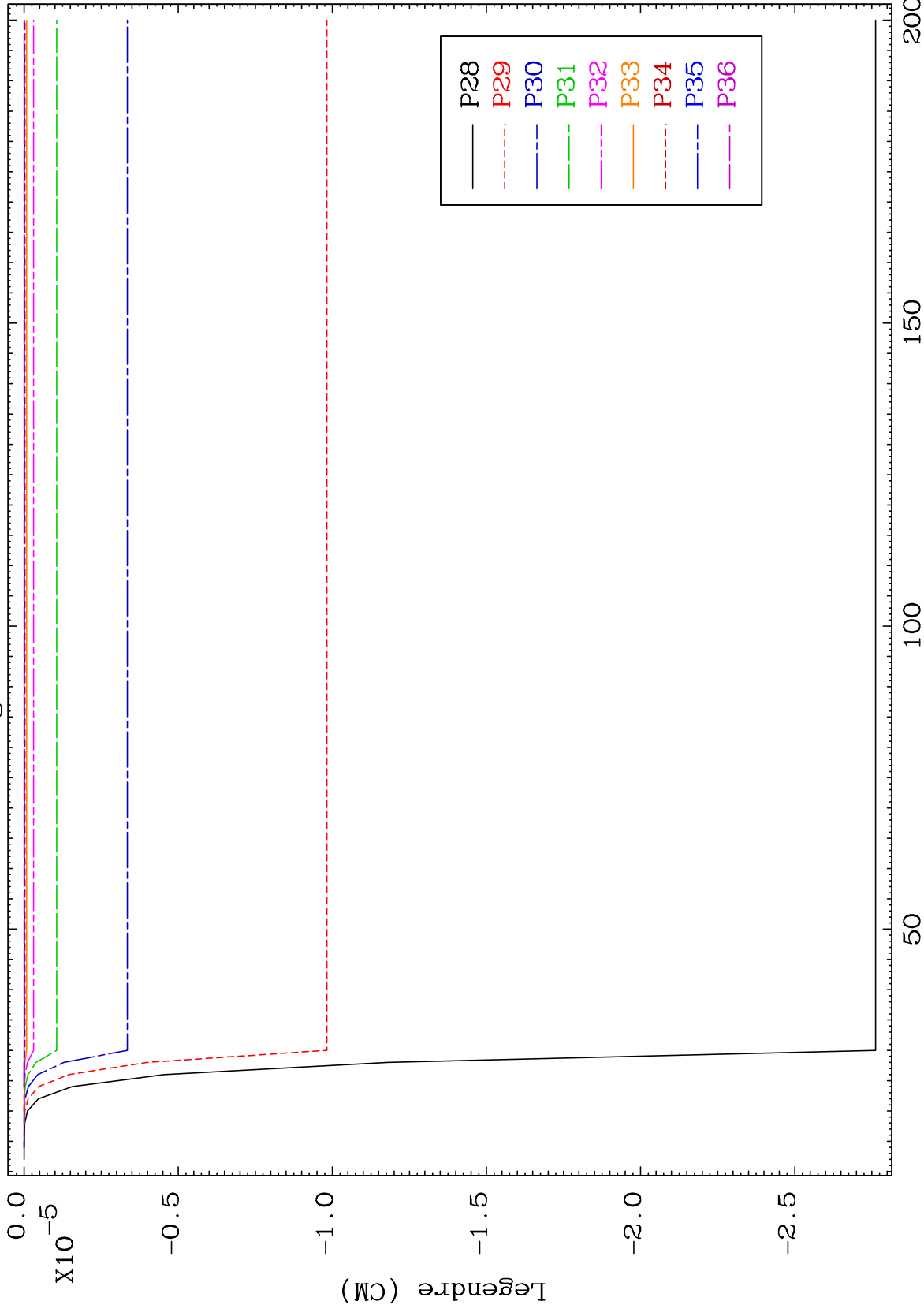
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

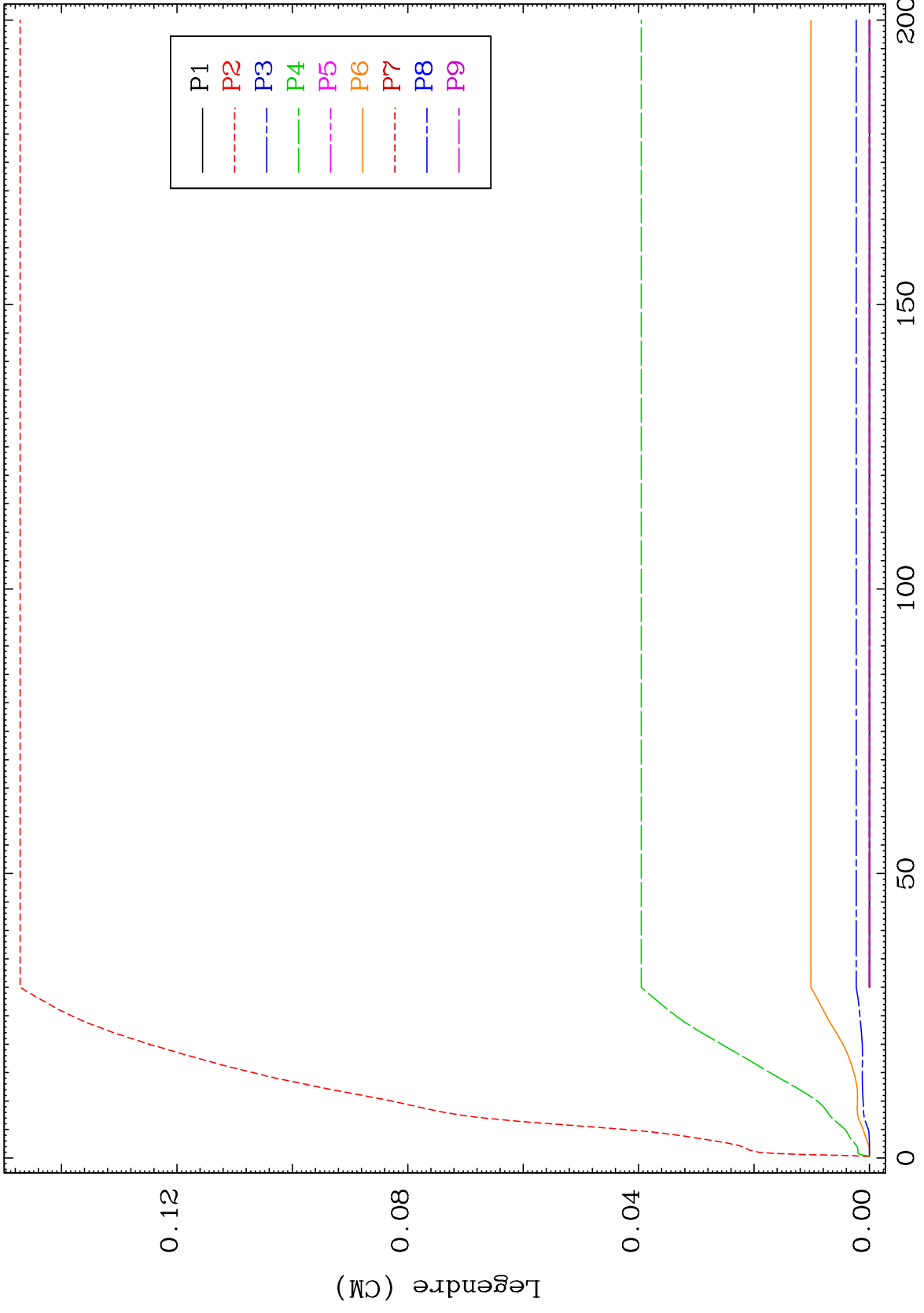


69-Tm-158

Incident Energy (MeV)

73

MAT 6892 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-158

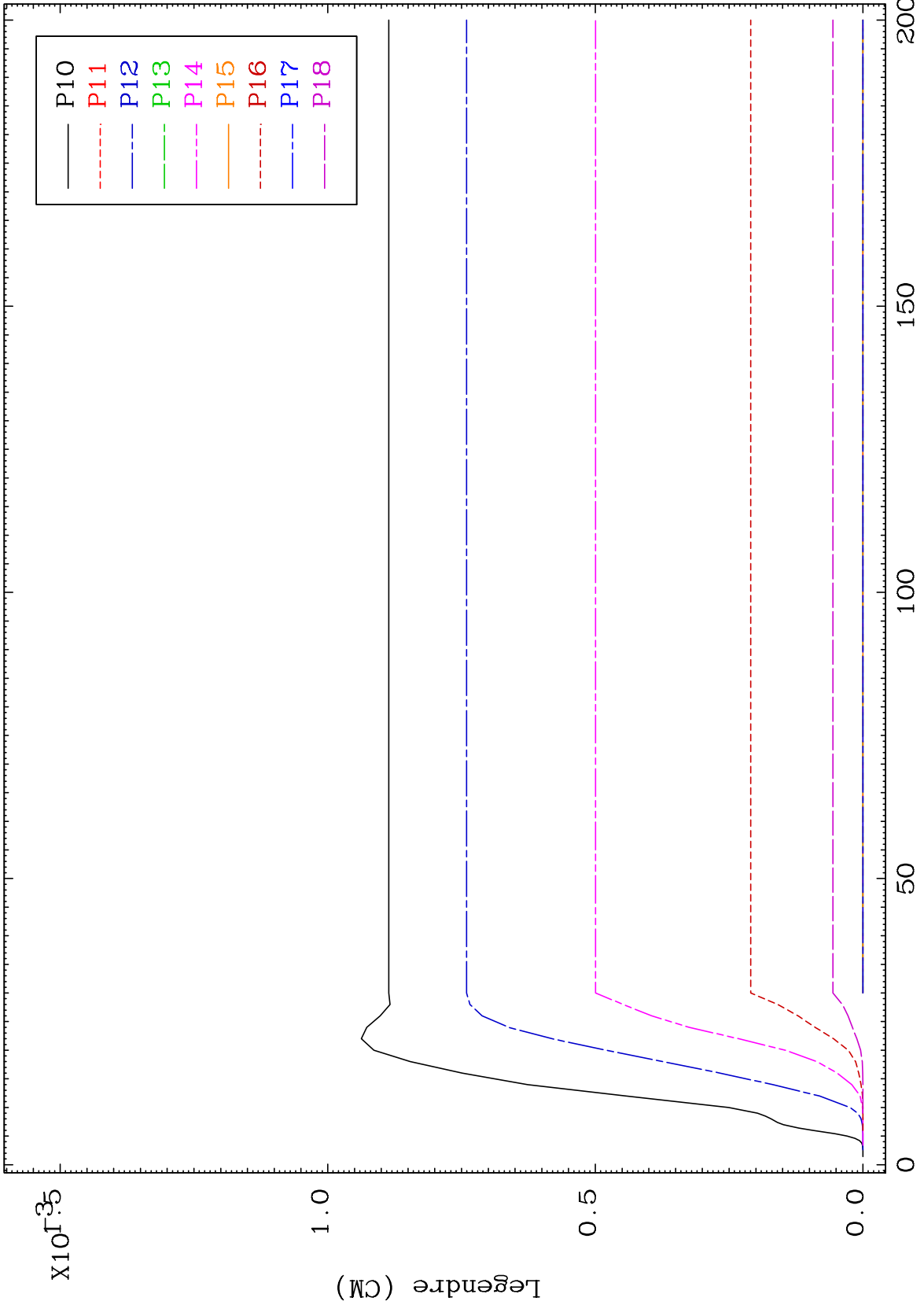


74 69-Tm-158

MAT 6892

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

69-Tm-158

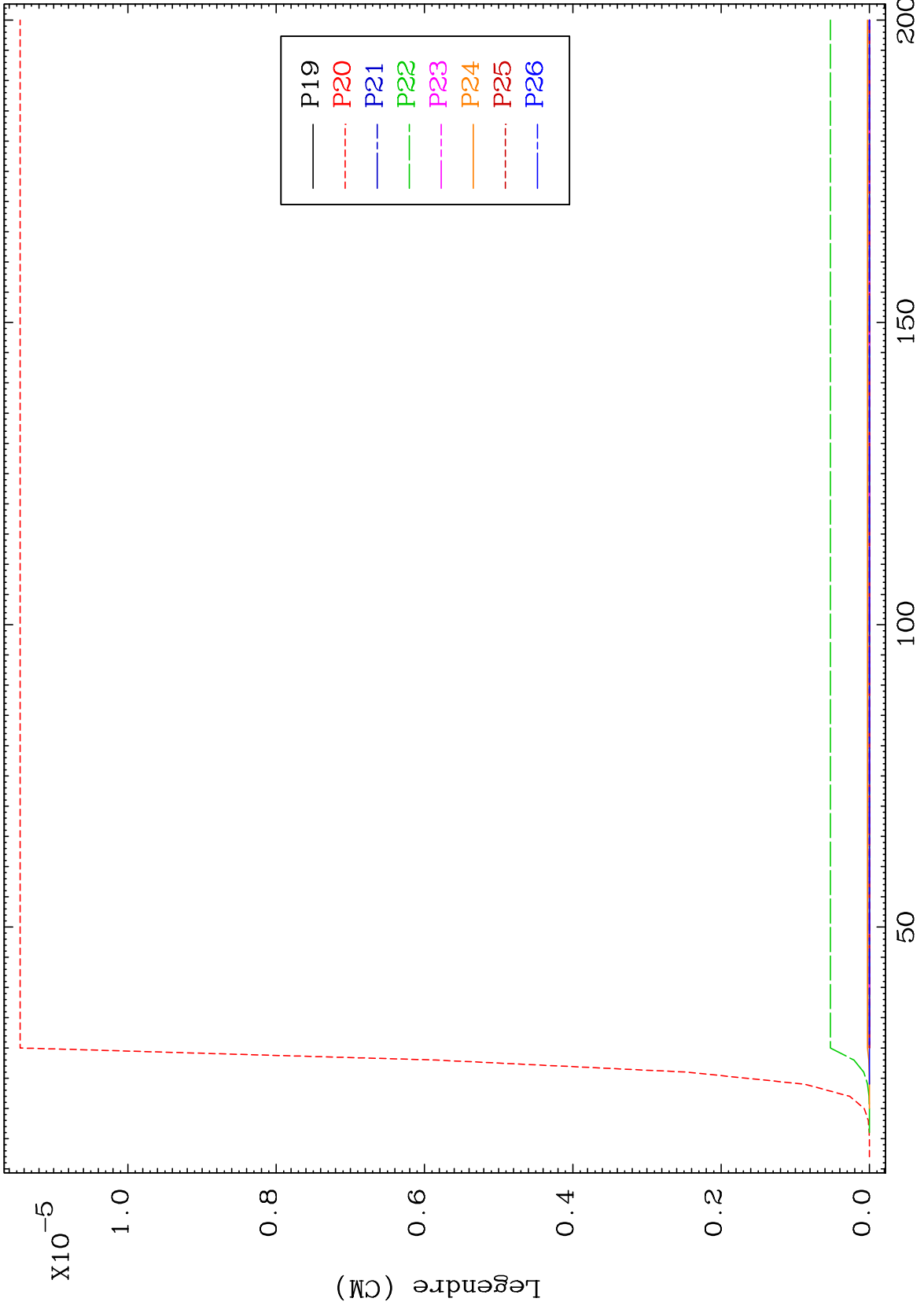


75

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-158

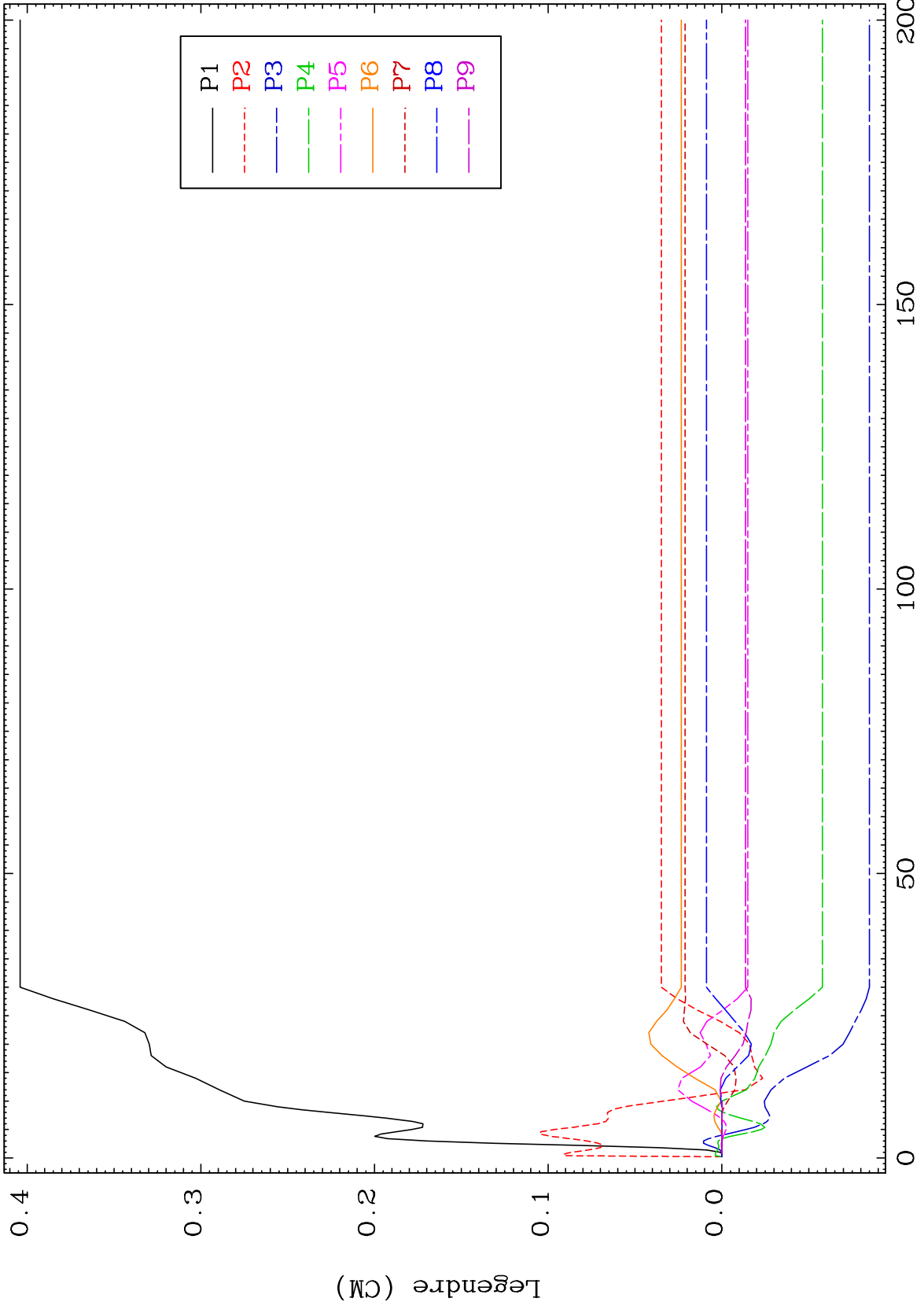


76 Incident Energy (MeV) 69-Tm-158

MAT 6892

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

69-Tm-158



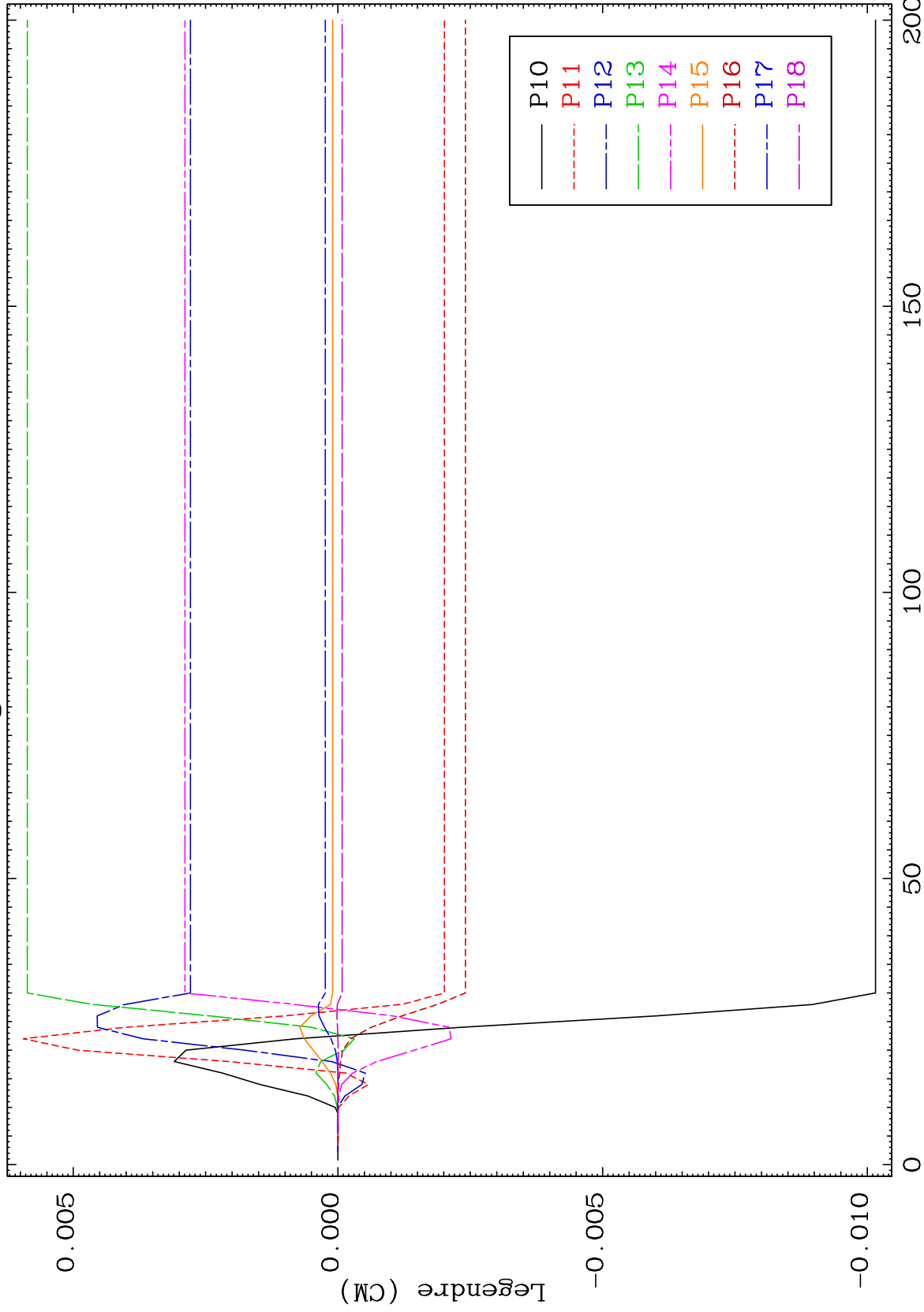
77

69-Tm-158

MAT 6892

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

69-Tm-158



78

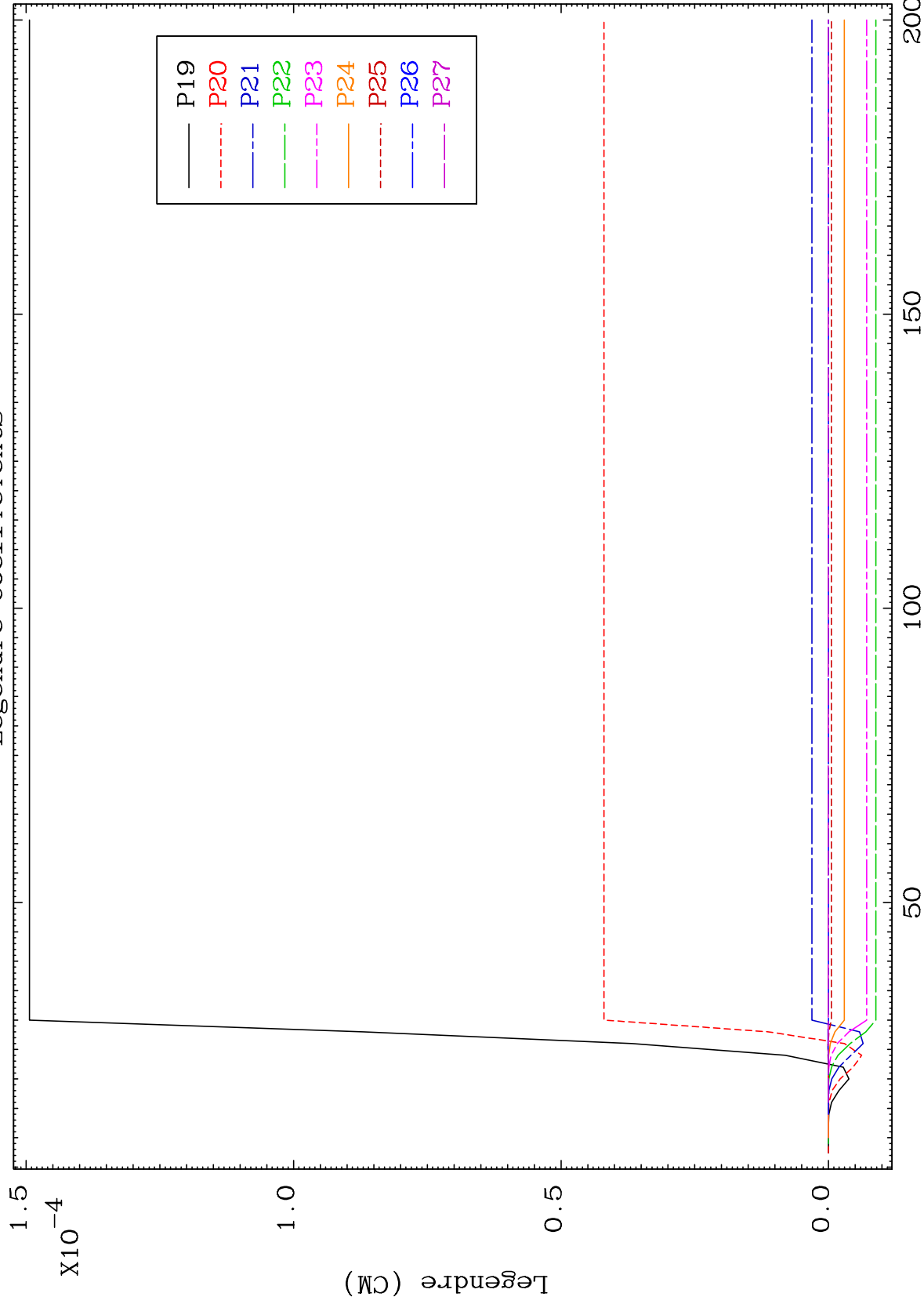
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



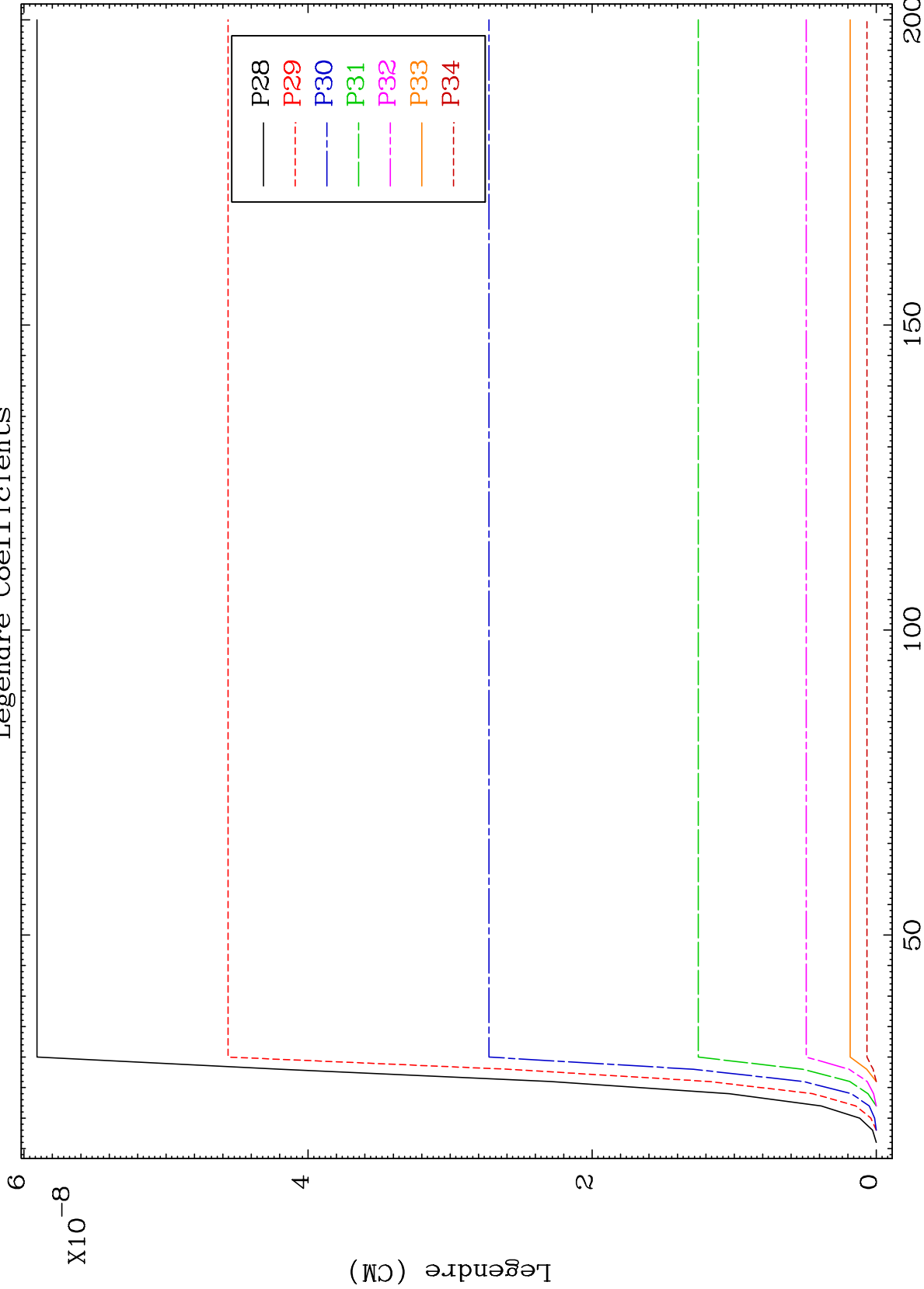
79

69-Tm-158

MAT 6892

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

69-Tm-158

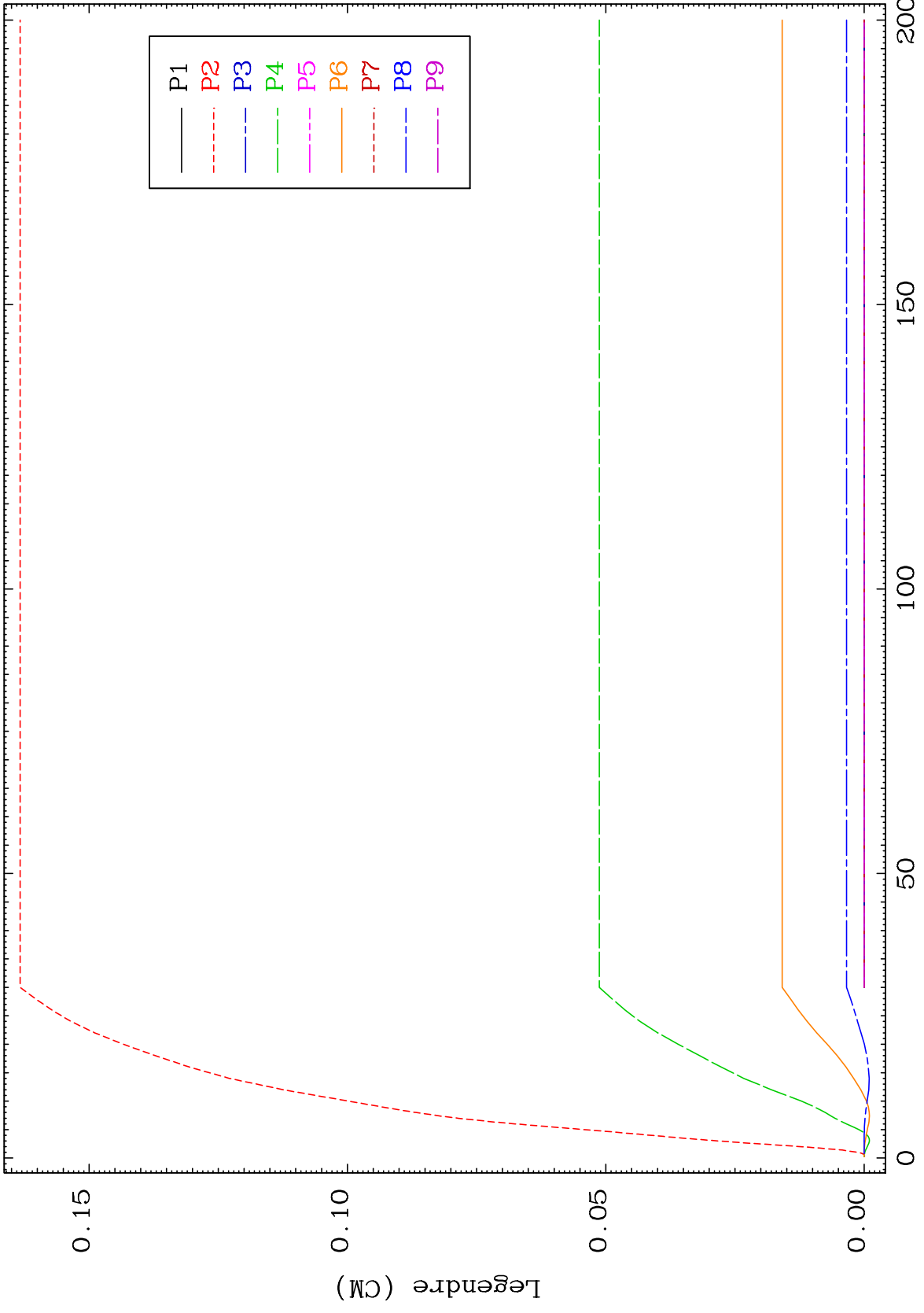


80

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 68 (n,n') Level Legendre Coefficients 69-Tm-158

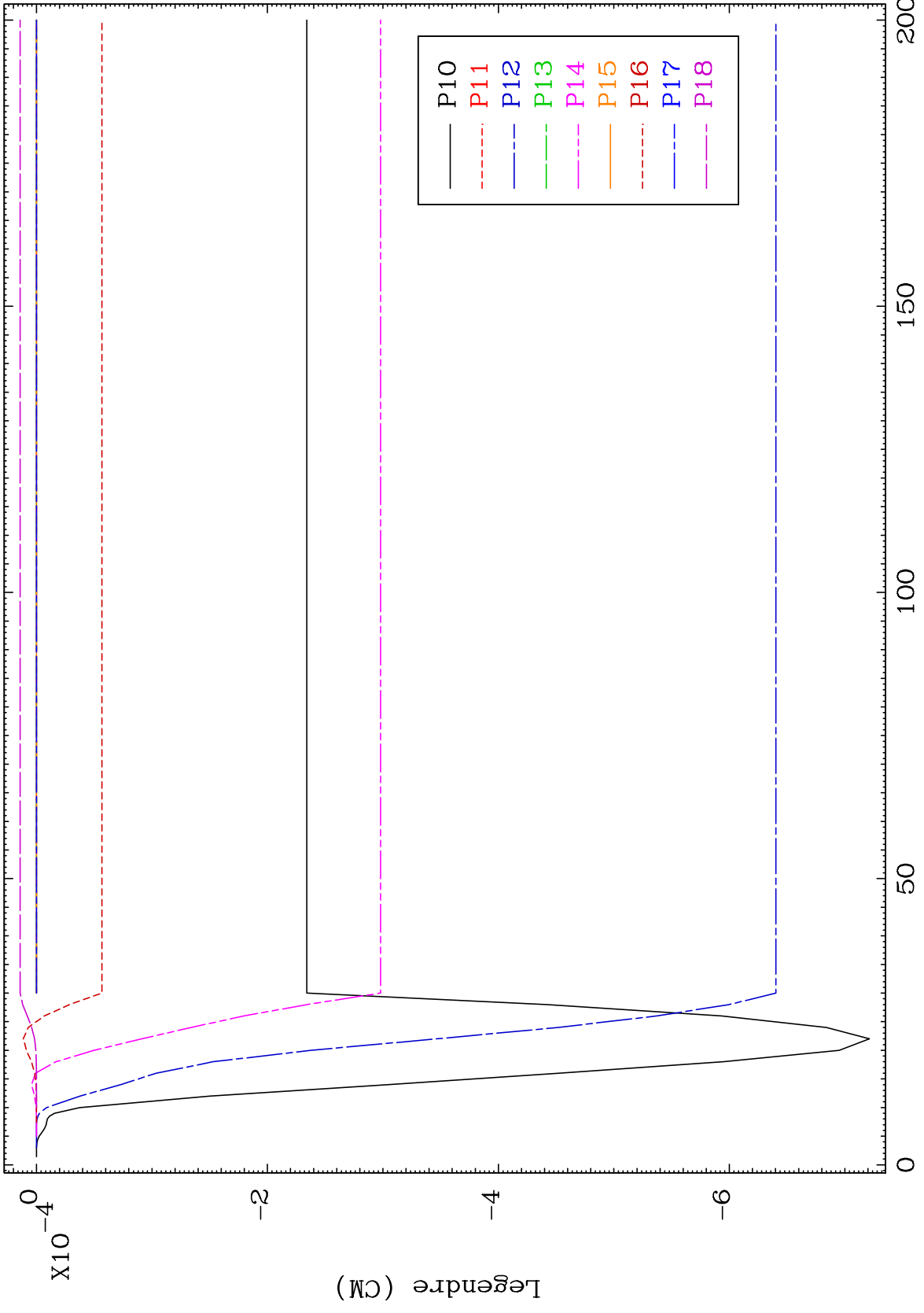


81 69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

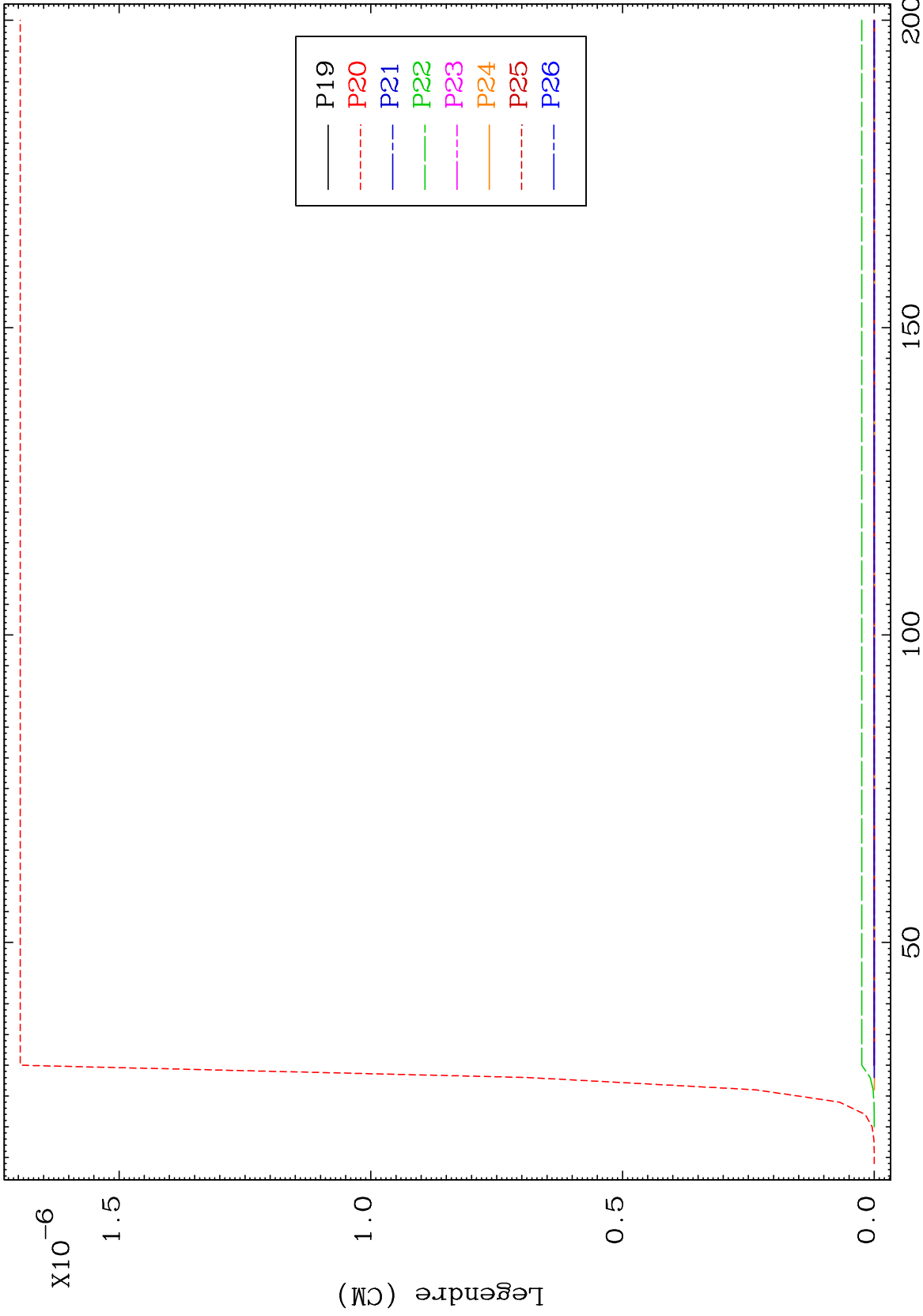
Incident Energy (MeV)

82

MAT 6892

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

69-Tm-158



83

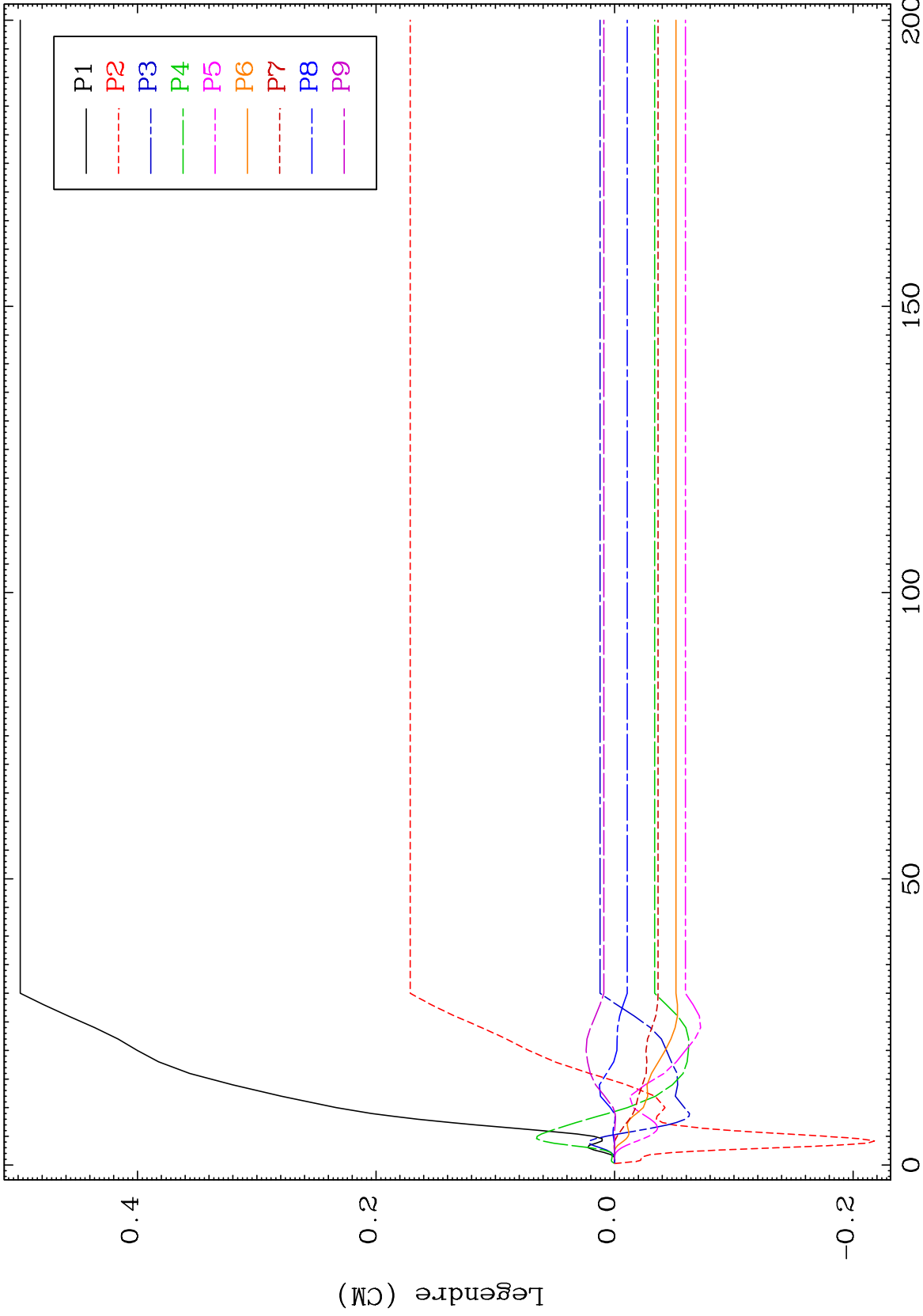
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



84

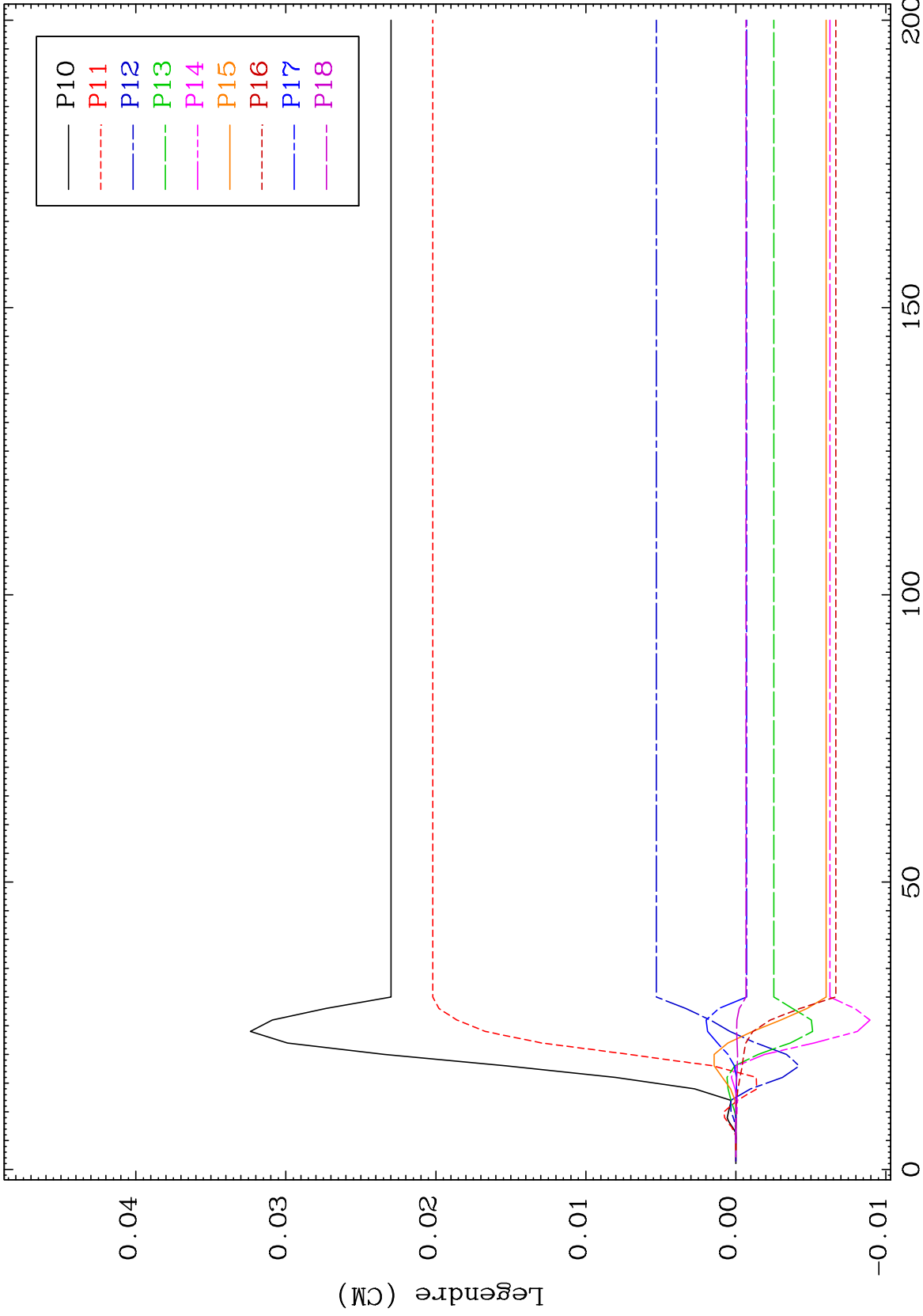
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



85

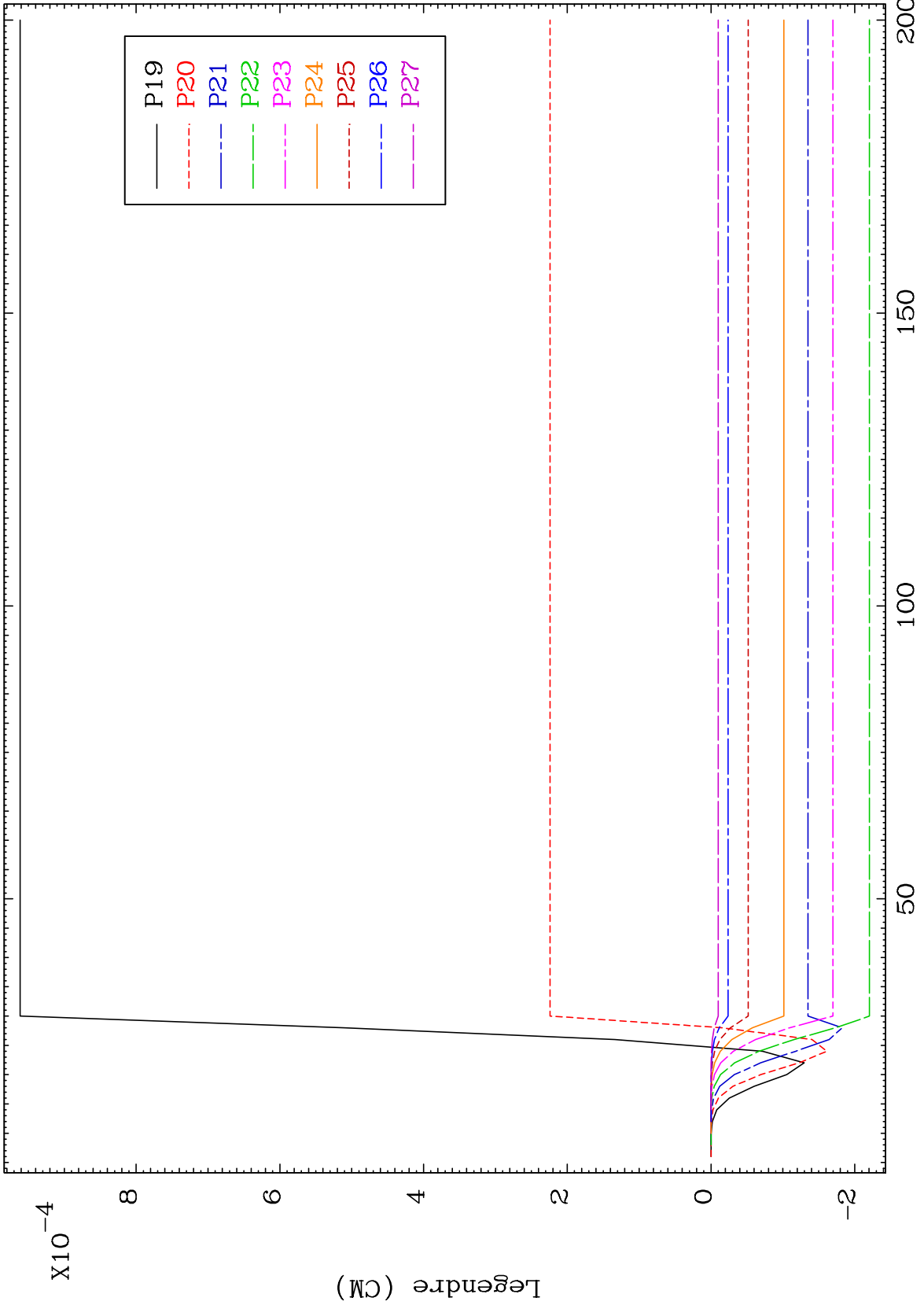
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

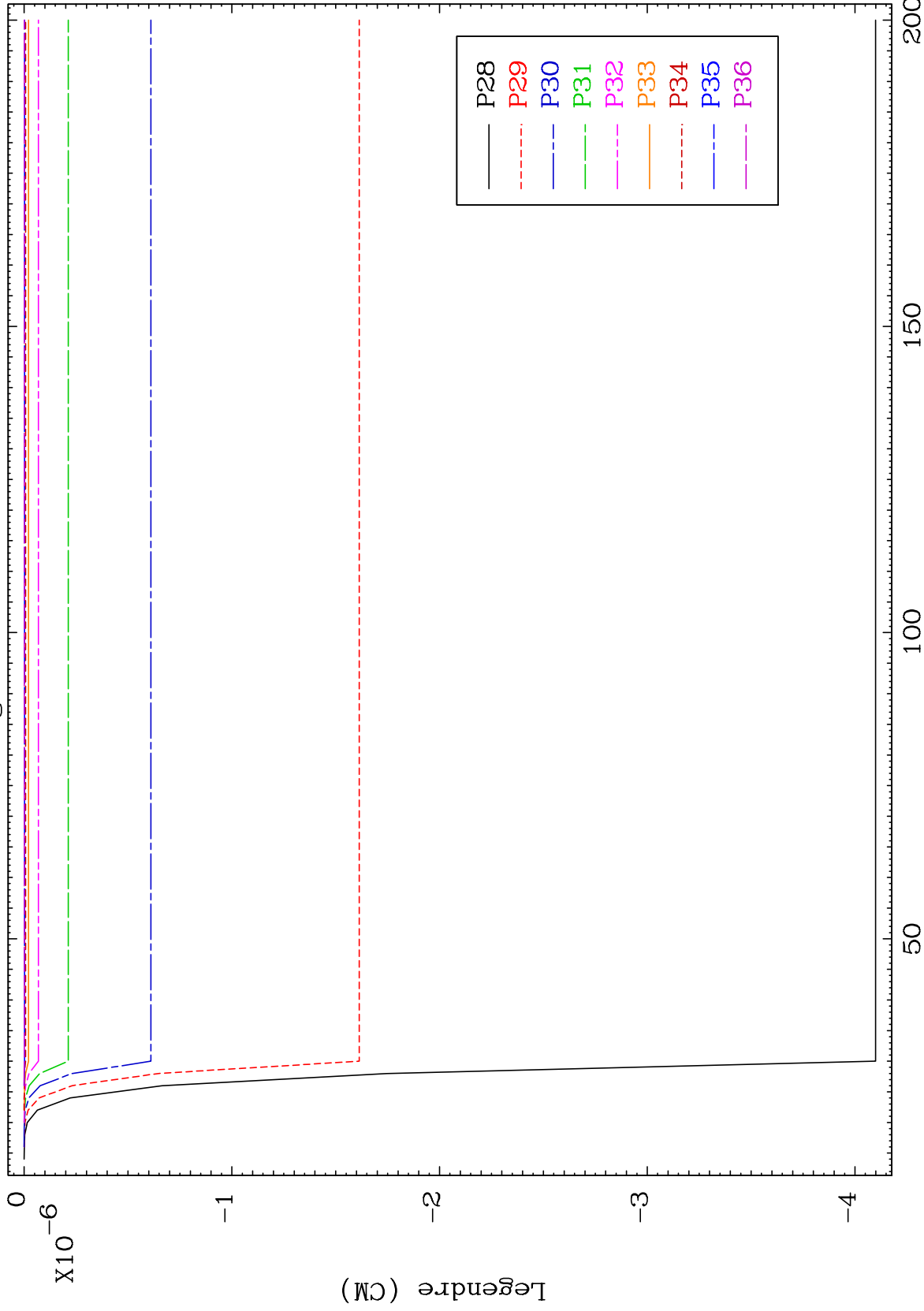


86

Incident Energy (MeV)

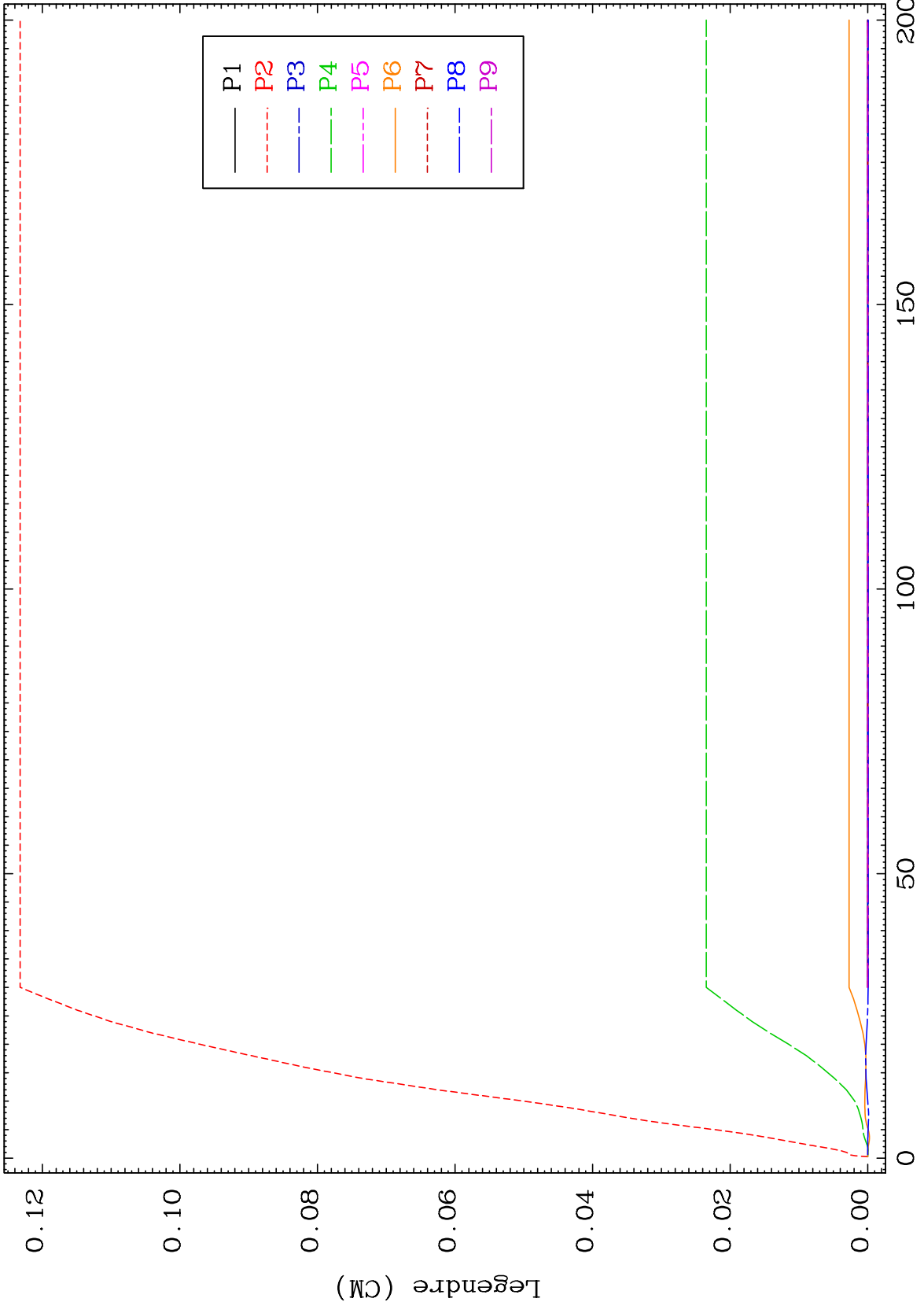
69-Tm-158

MAT 6892 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-158



87 Incident Energy (MeV) 69-Tm-158

MAT 6892 MT= 70 (n,n') Level Legendre Coefficients 69-Tm-158

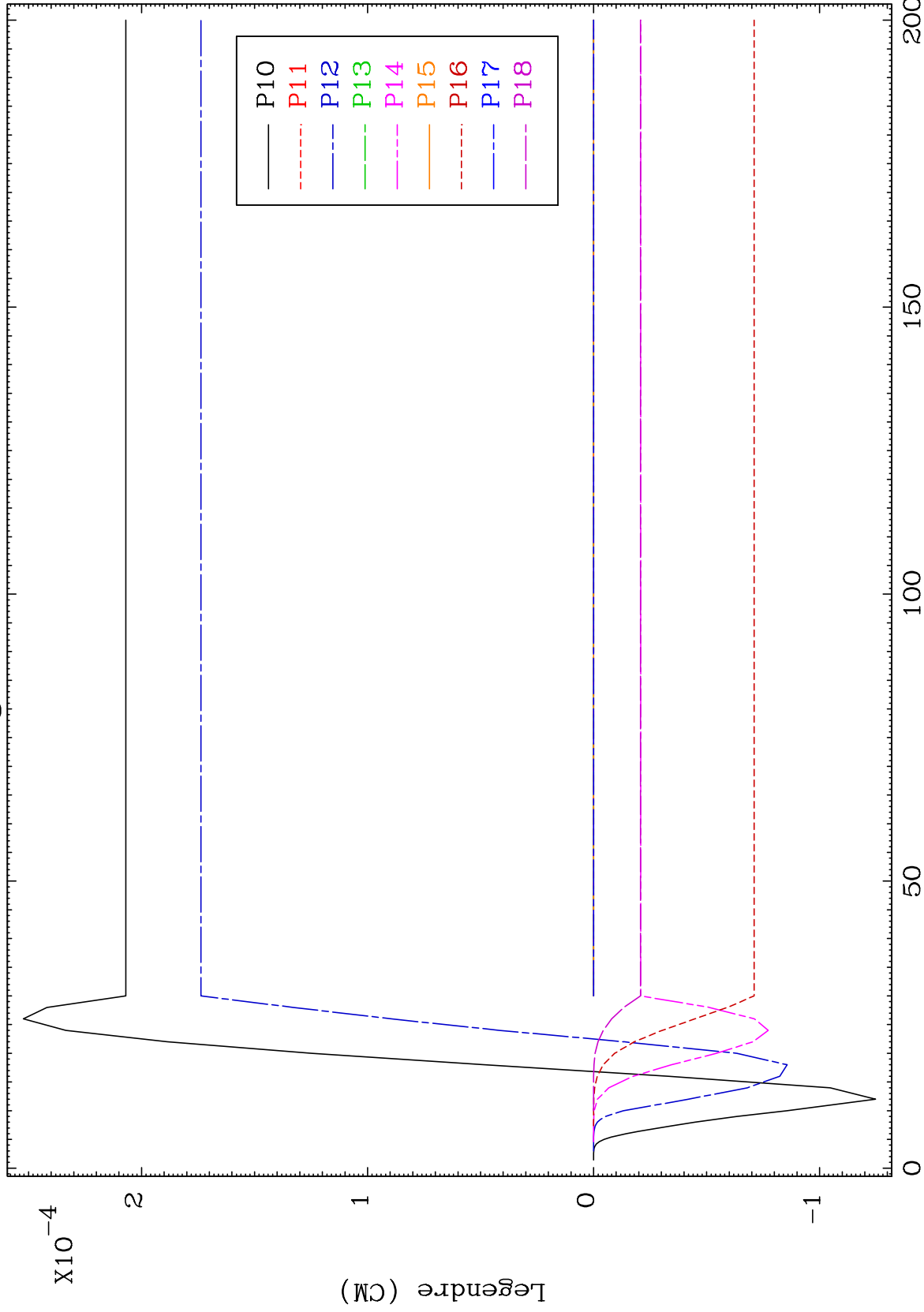


88 69-Tm-158

MAT 6892

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

69-Tm-158



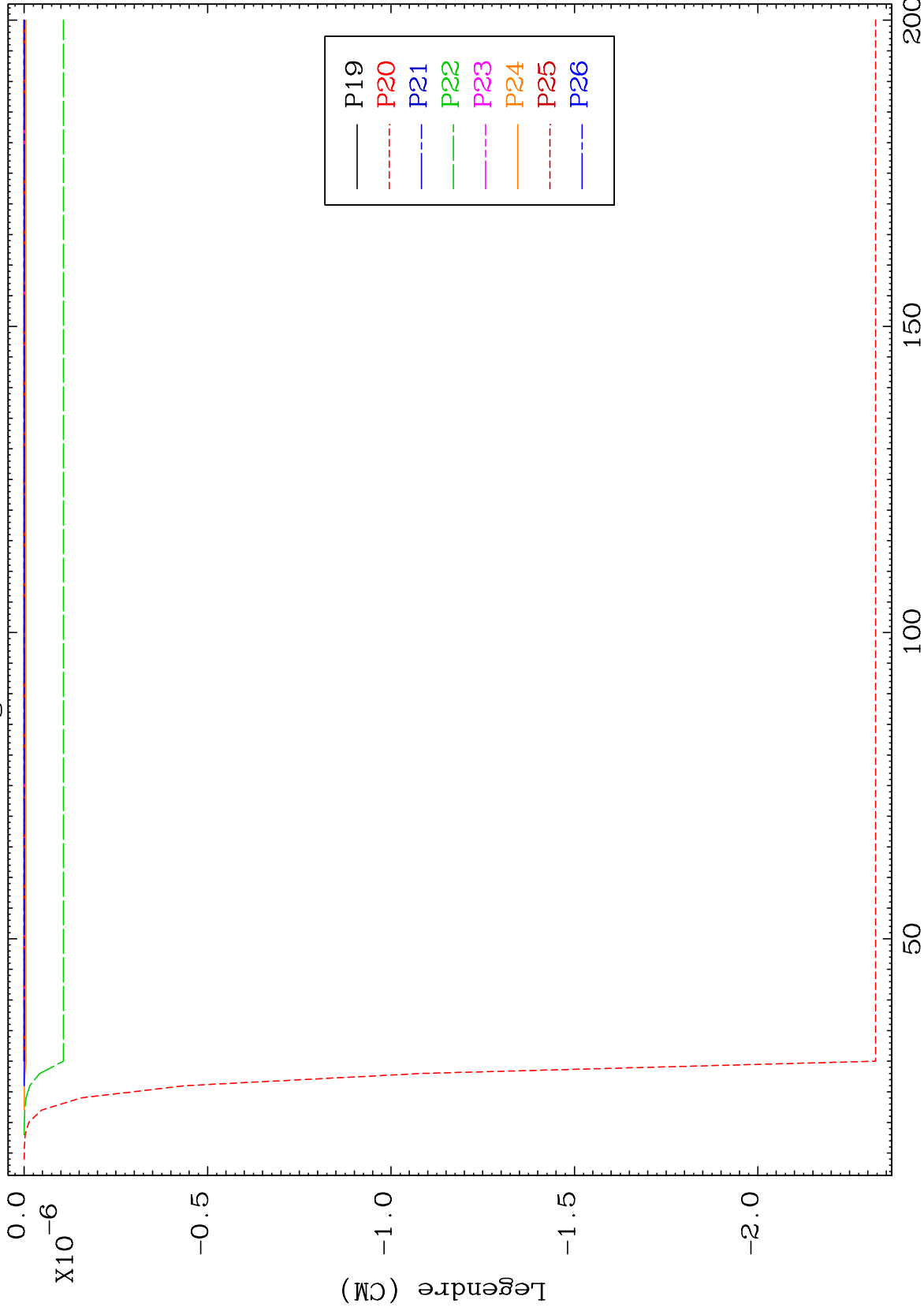
89

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 70 (n,n') Level 69-Tm-158

Legendre Coefficients



69-Tm-158

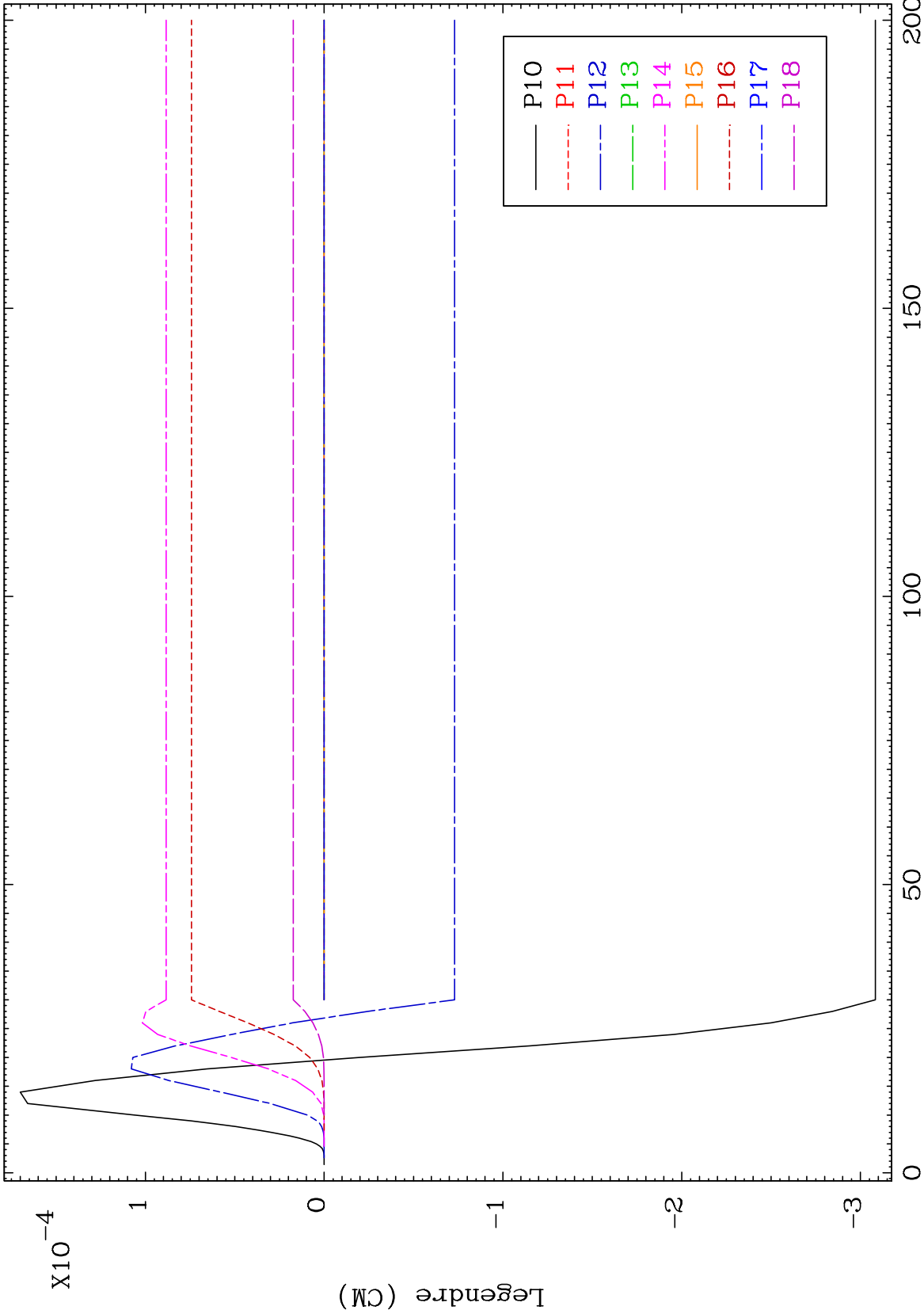
Incident Energy (MeV)

90

MAT 6892

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

69-Tm-158



92

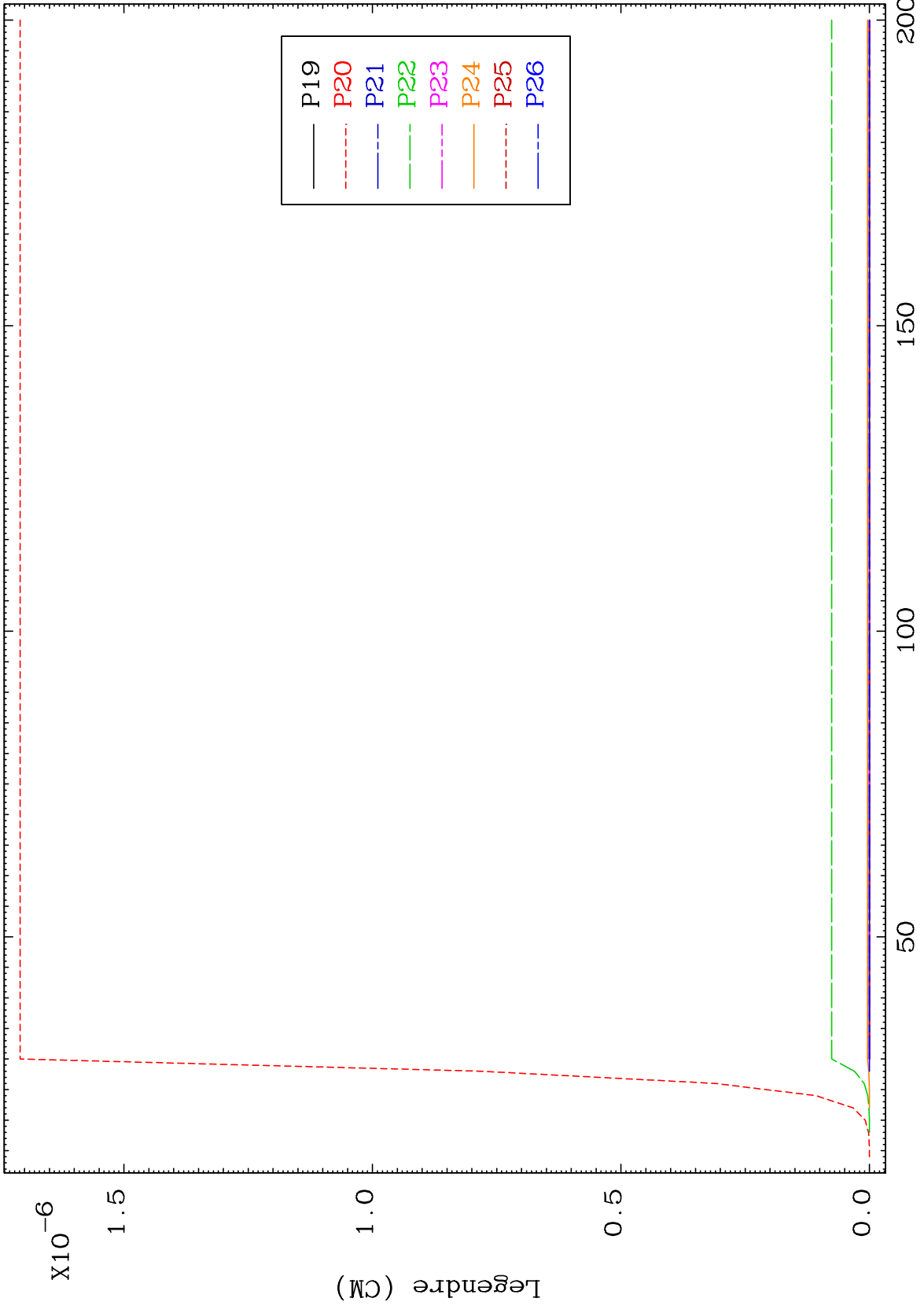
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



93

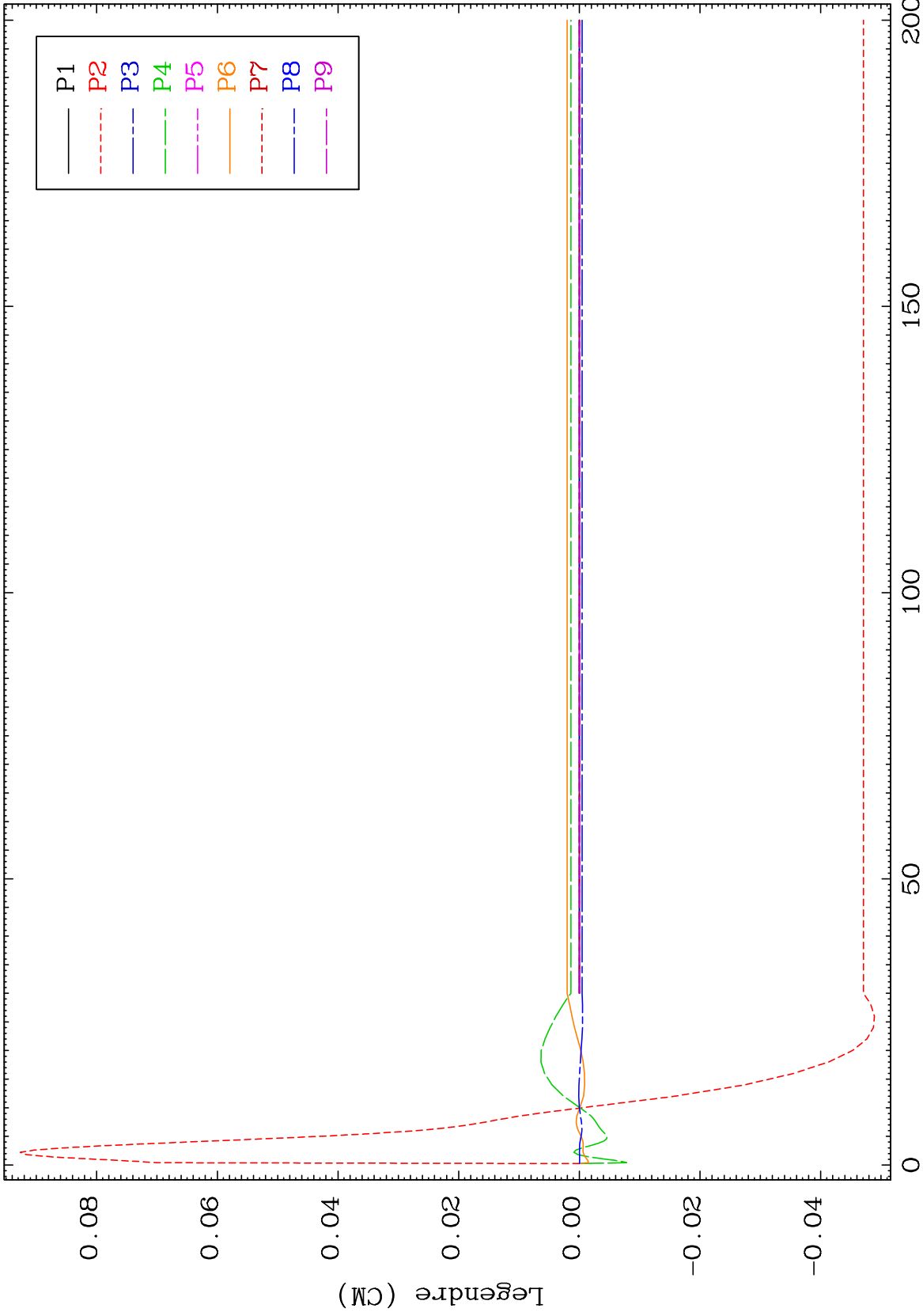
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



94

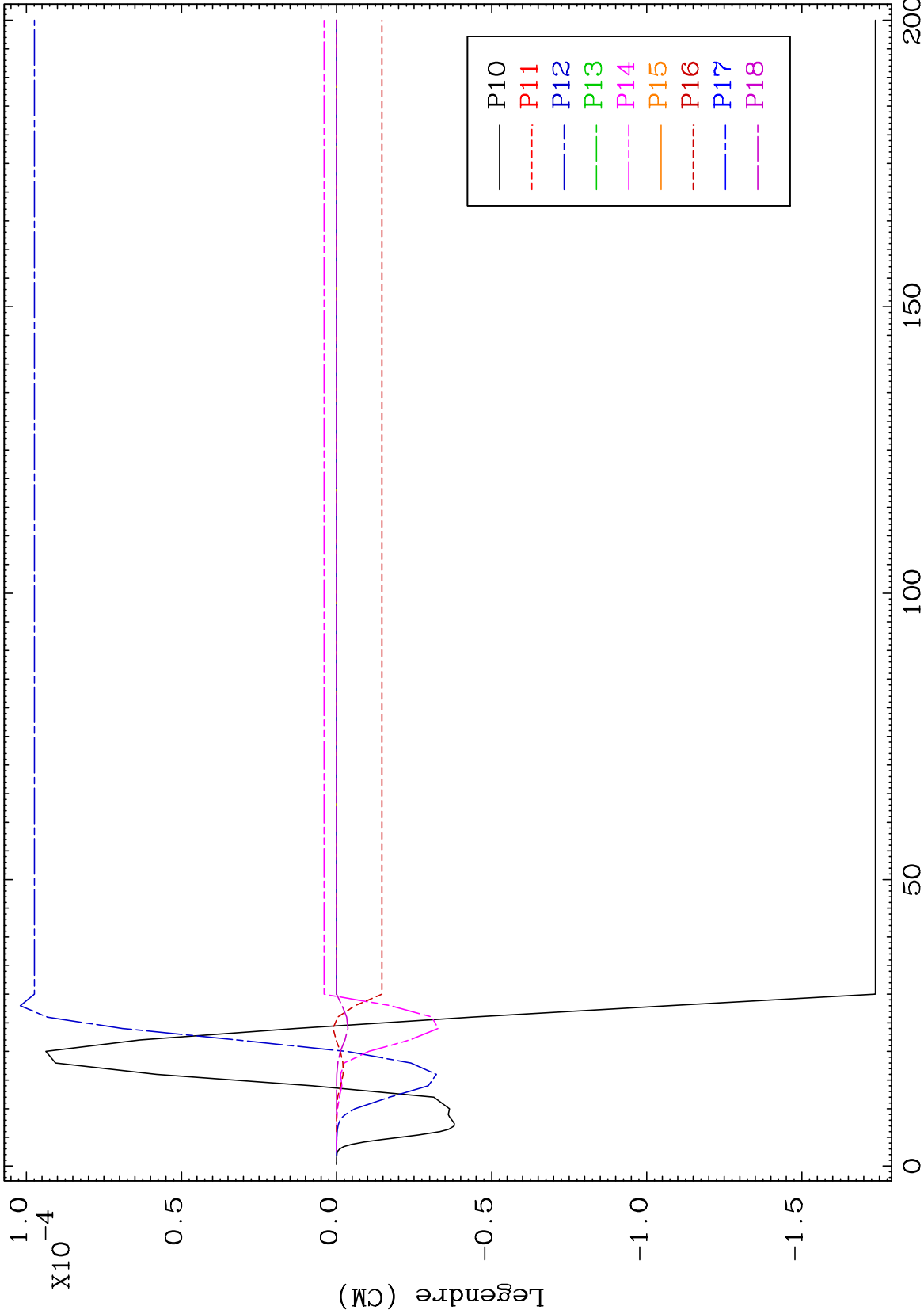
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



95

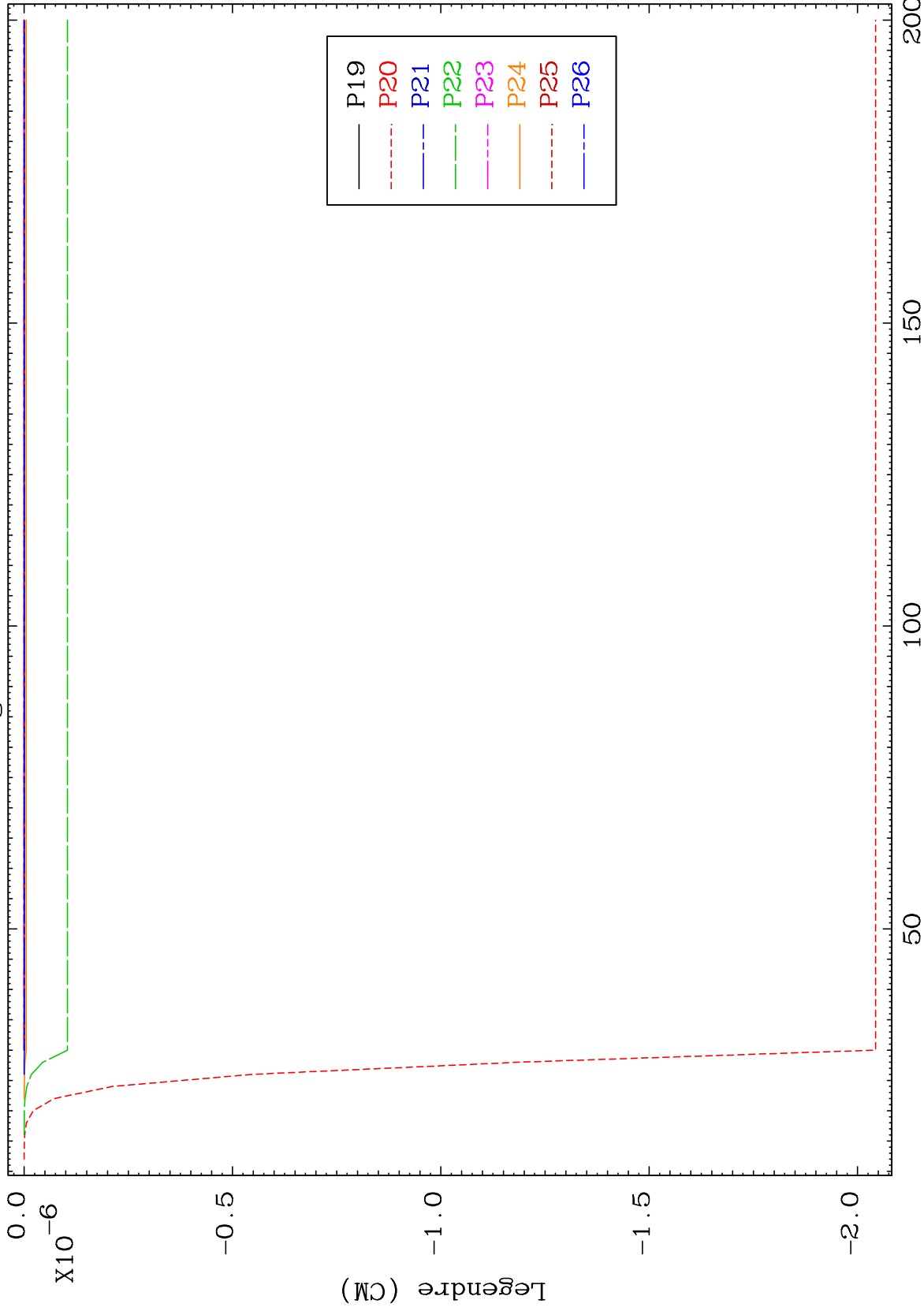
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



96

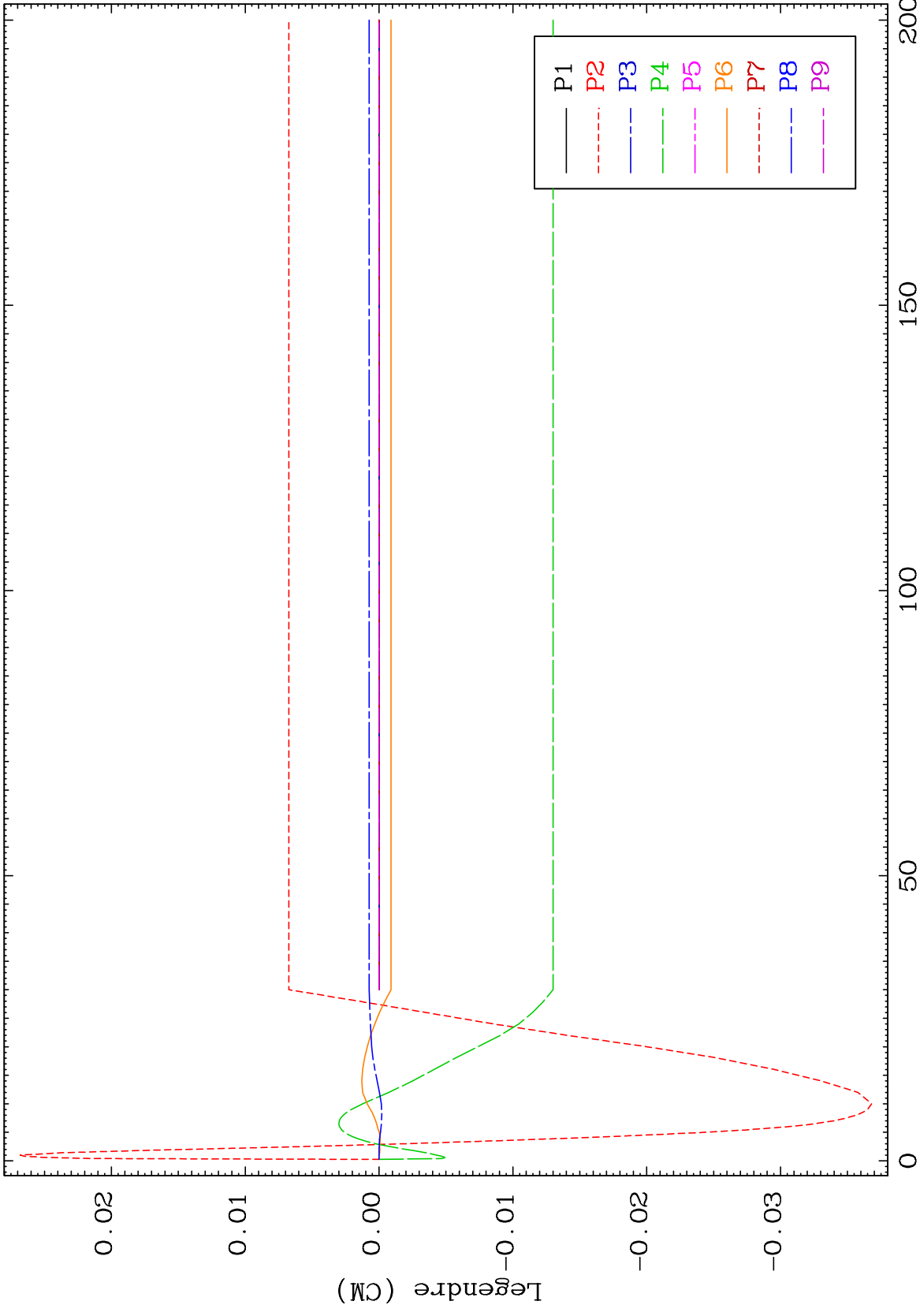
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



97

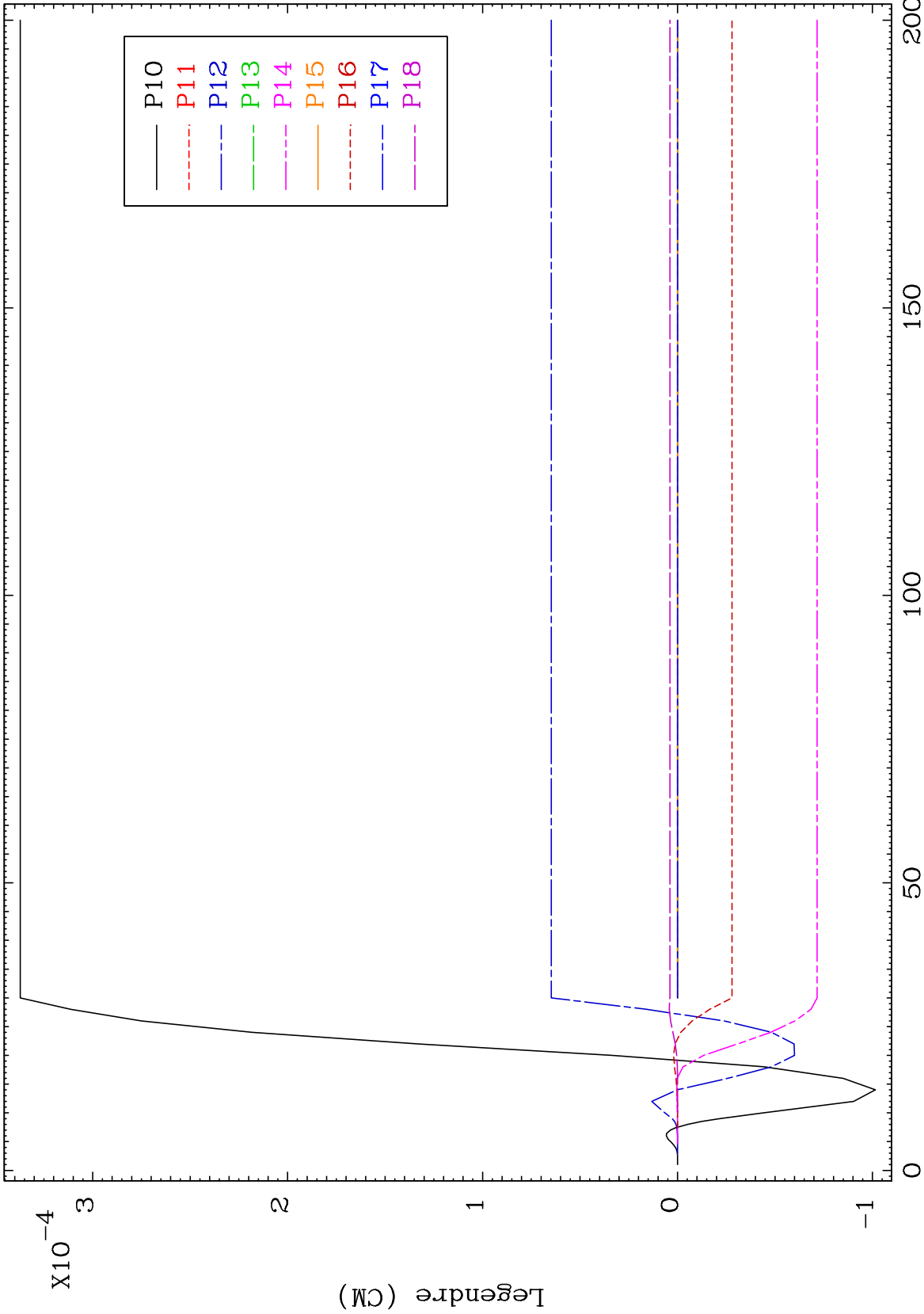
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



98

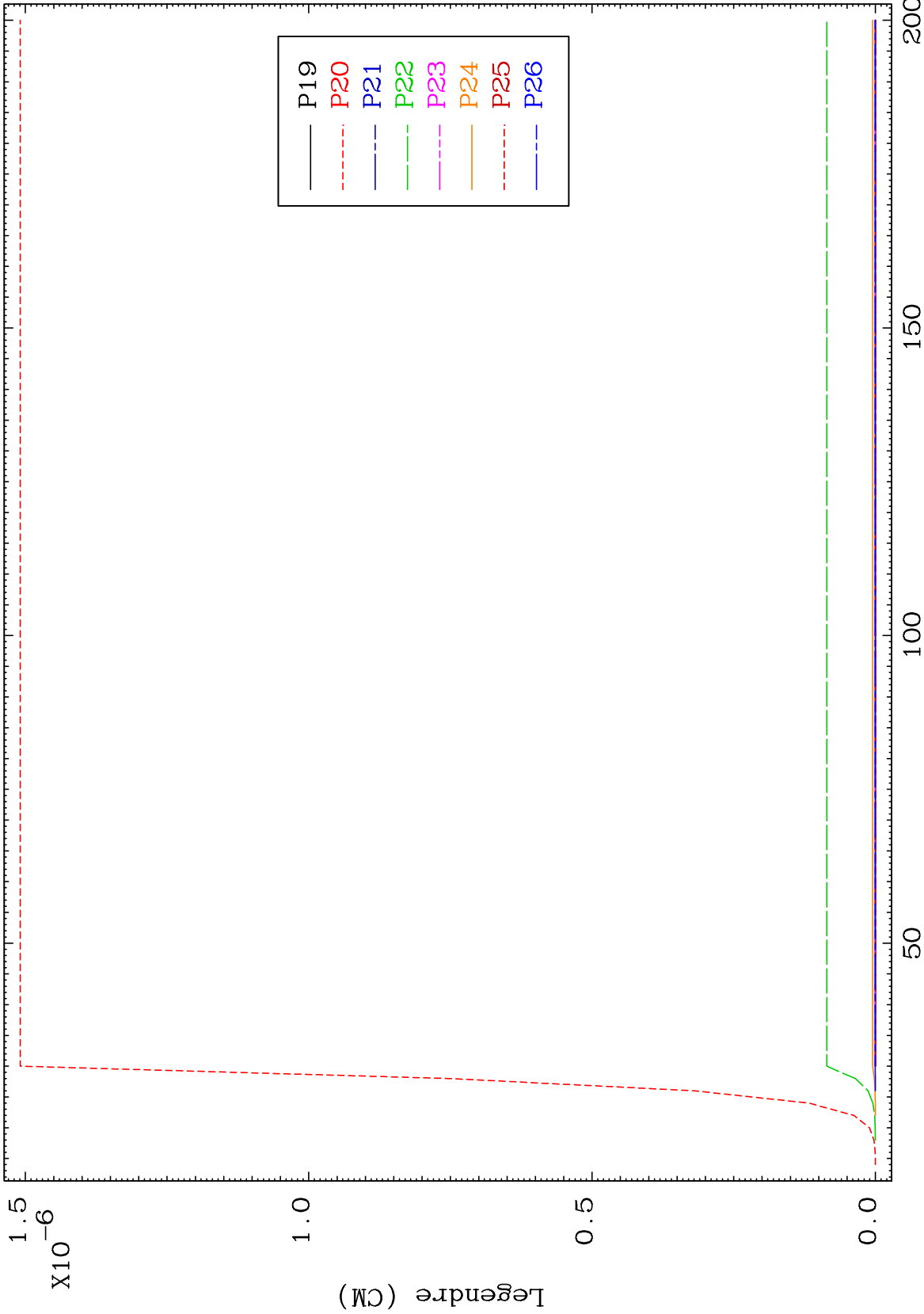
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



99

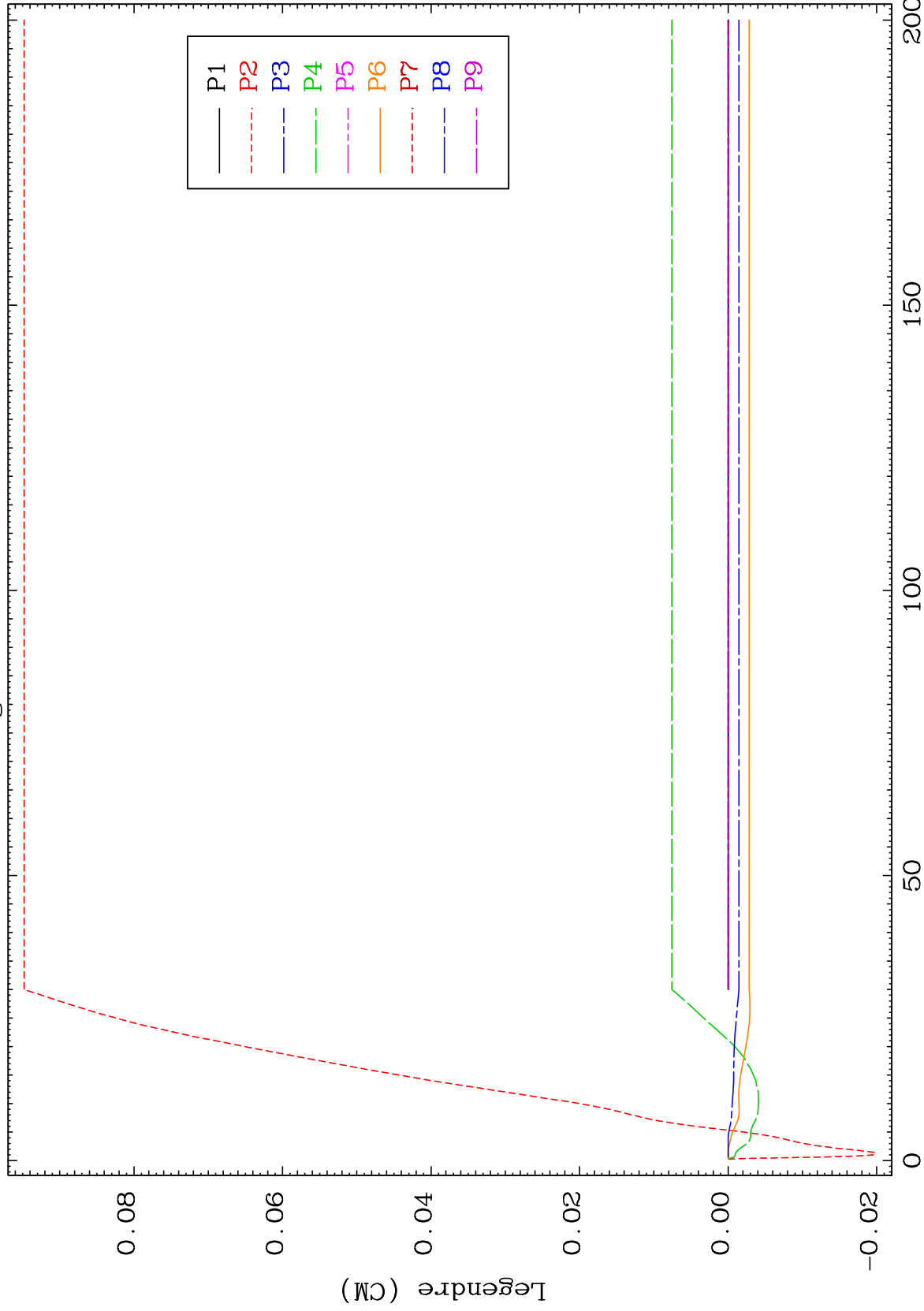
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



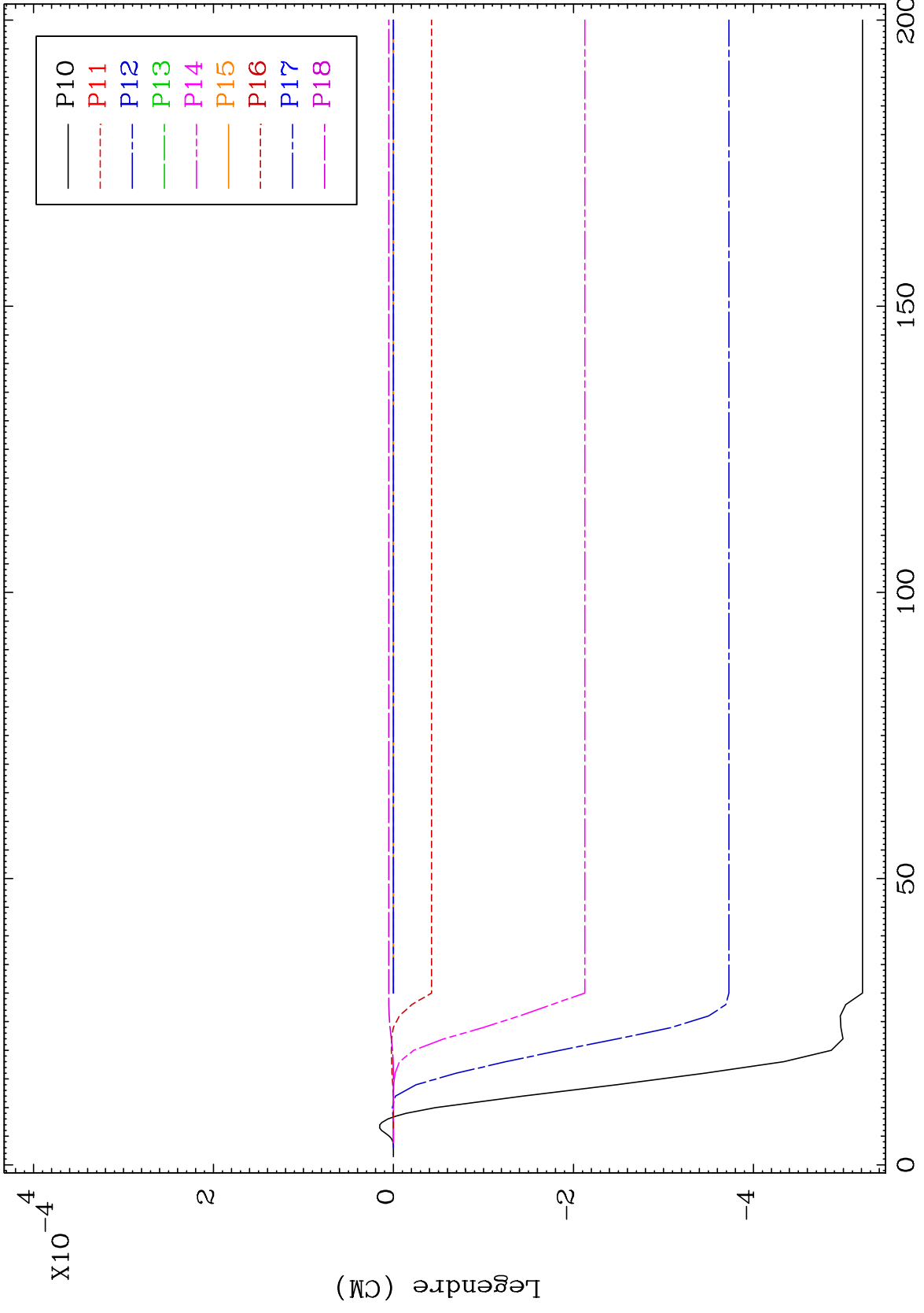
69-Tm-158

Incident Energy (MeV)

MAT 6892

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

69-Tm-158

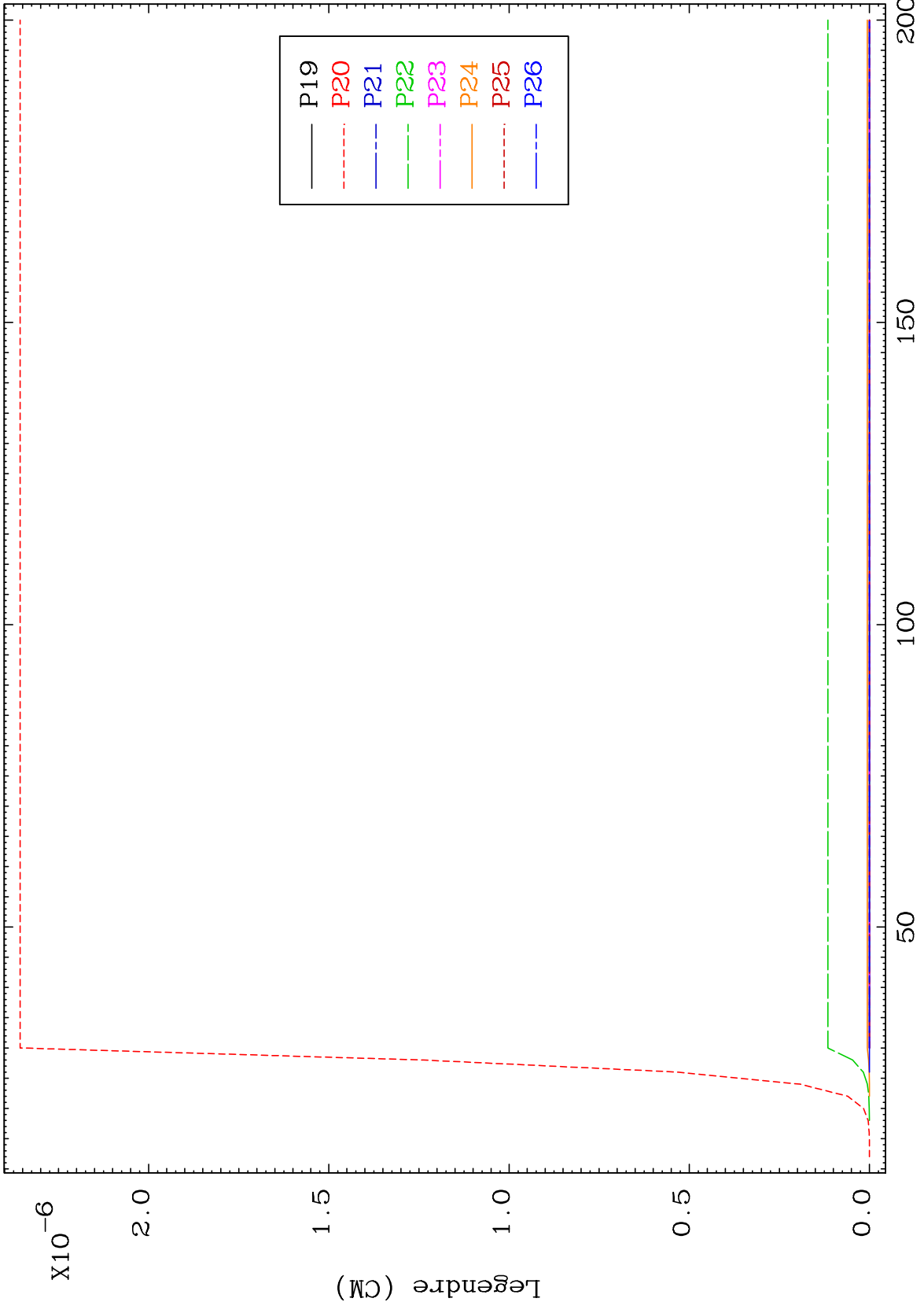


101

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 74 (n,n') Level Legendre Coefficients 69-Tm-158

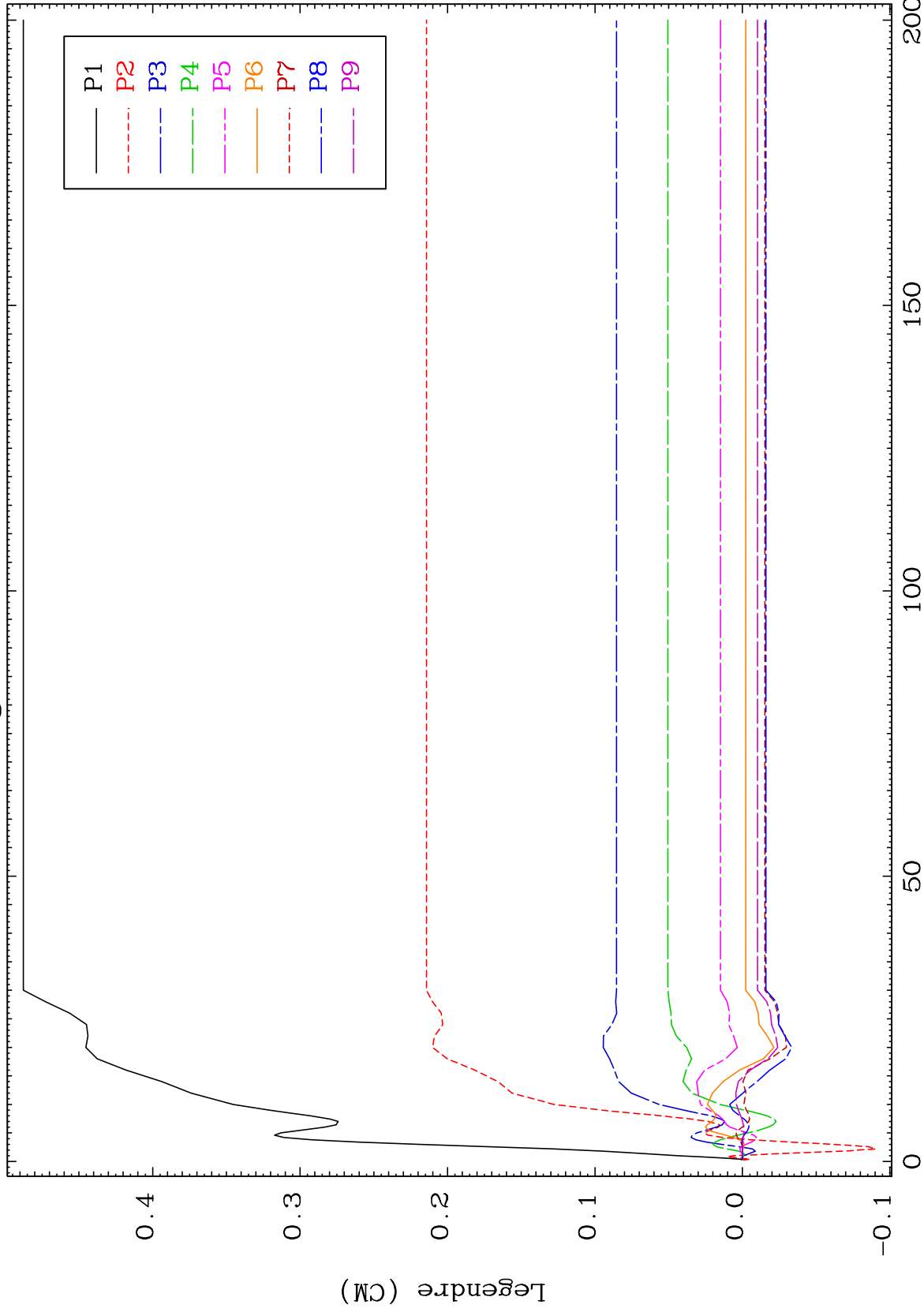


69-Tm-158

MAT 6892

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

69-Tm-158

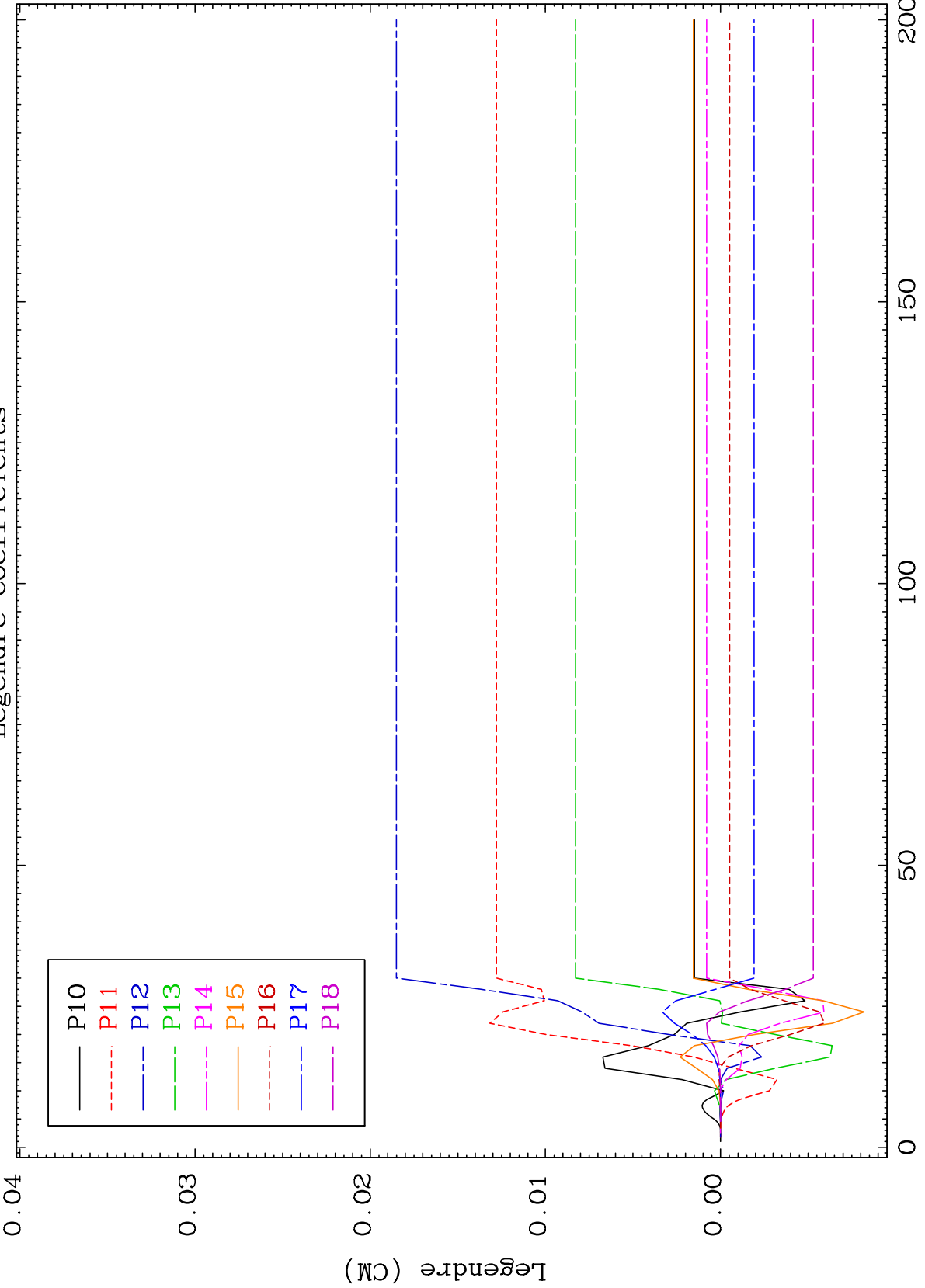


103

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 75 (n,n') Level Legendre Coefficients 69-Tm-158



69-Tm-158

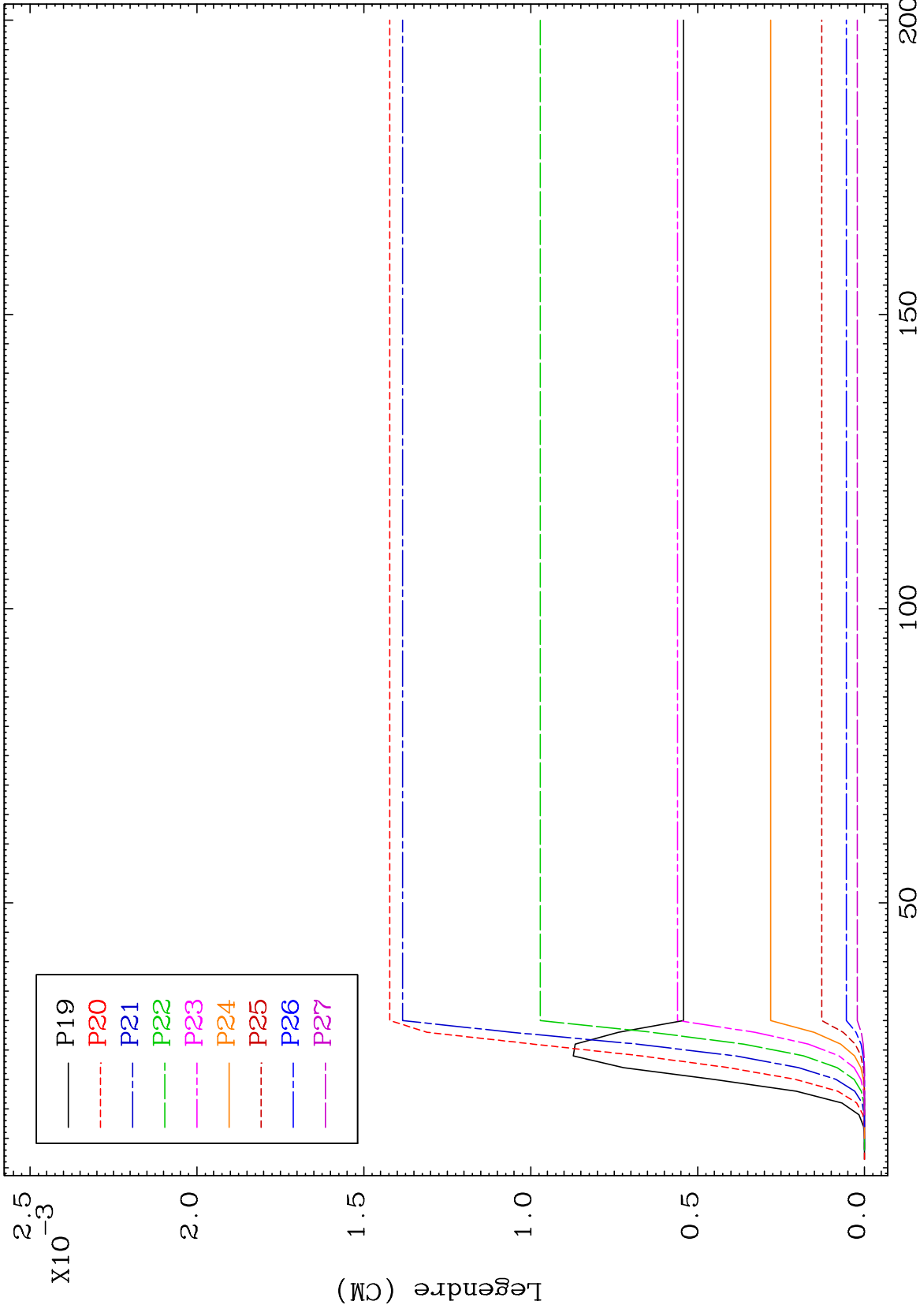
Incident Energy (MeV)

104

MAT 6892

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

69-Tm-158



105

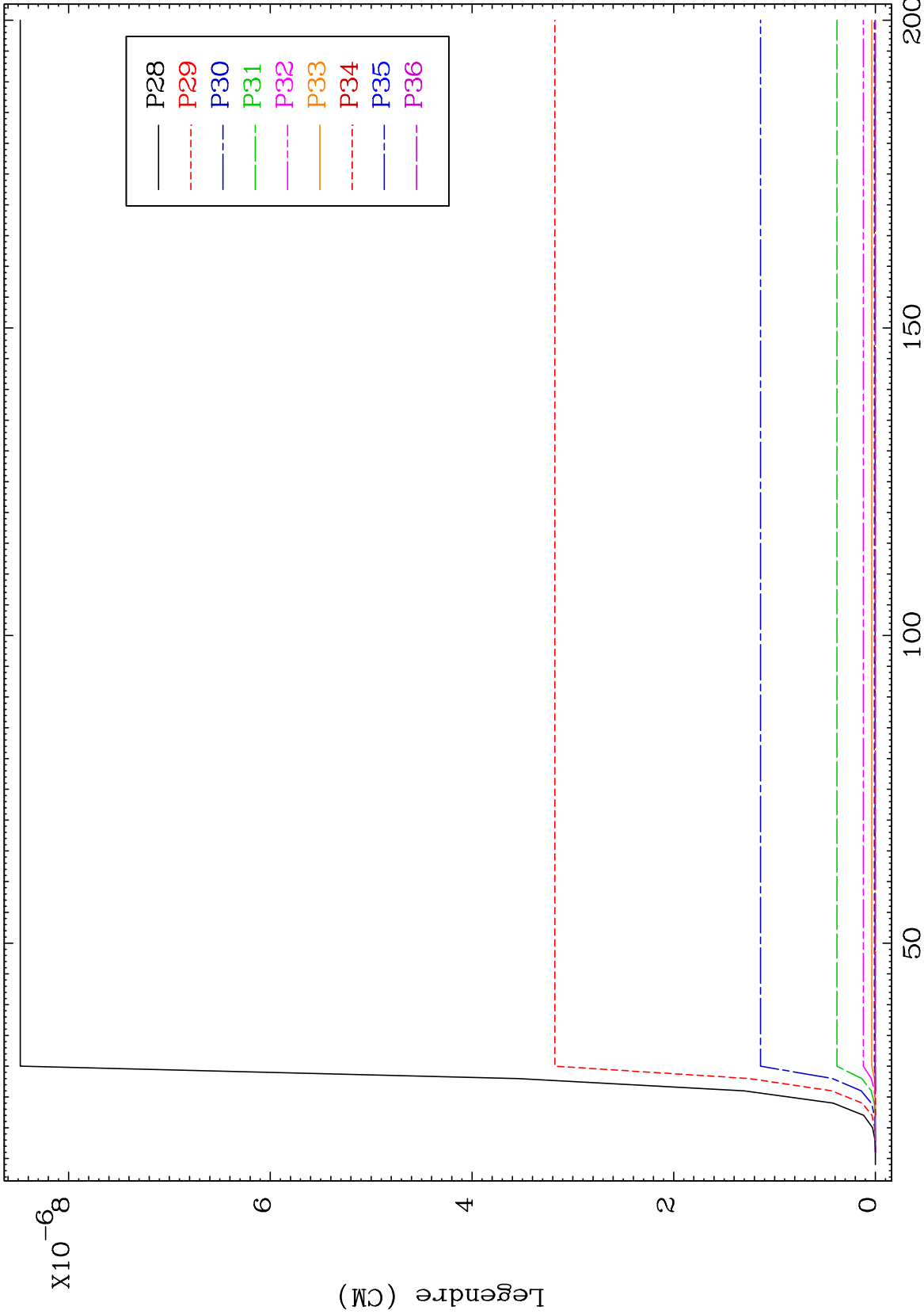
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



106

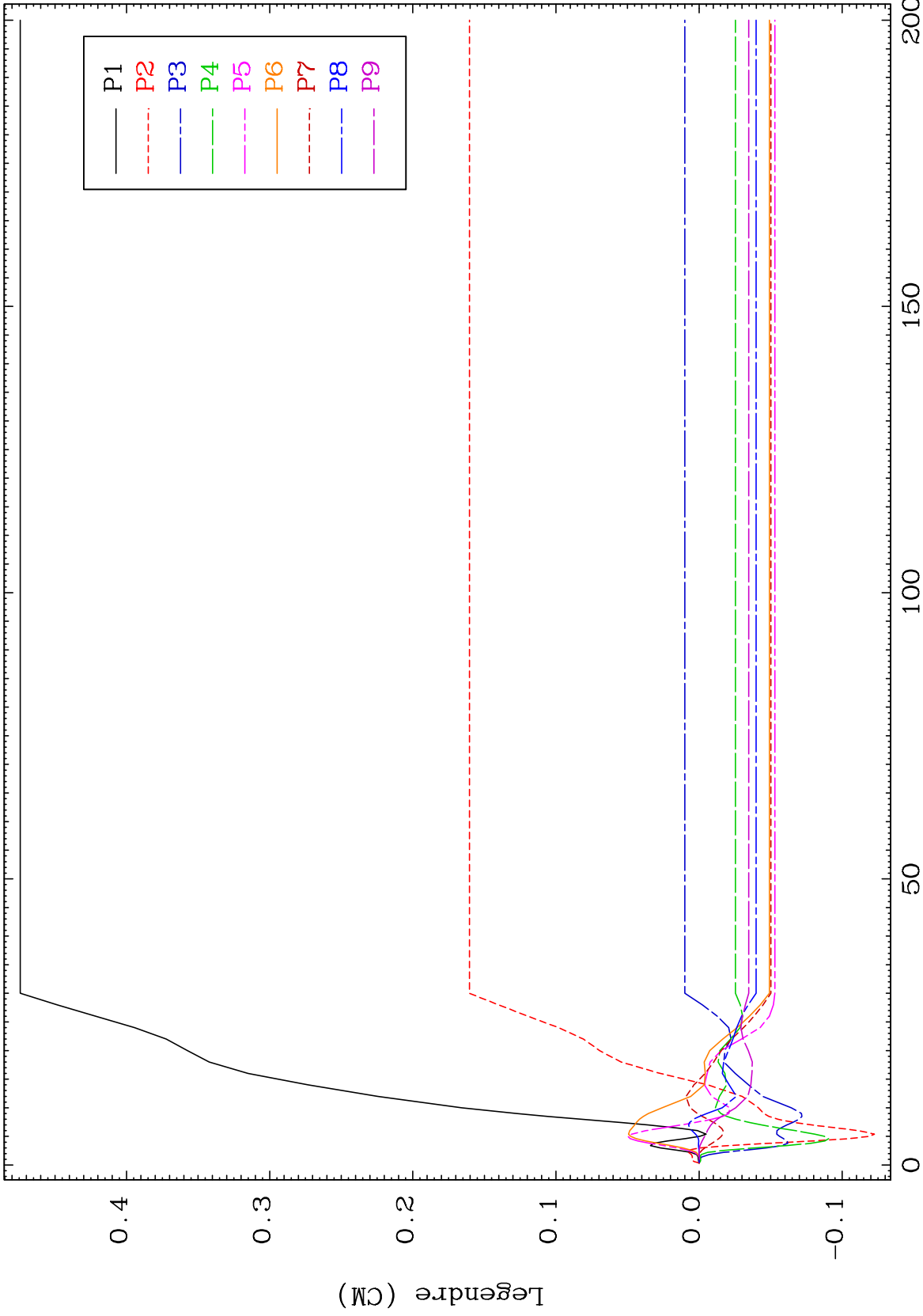
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



107

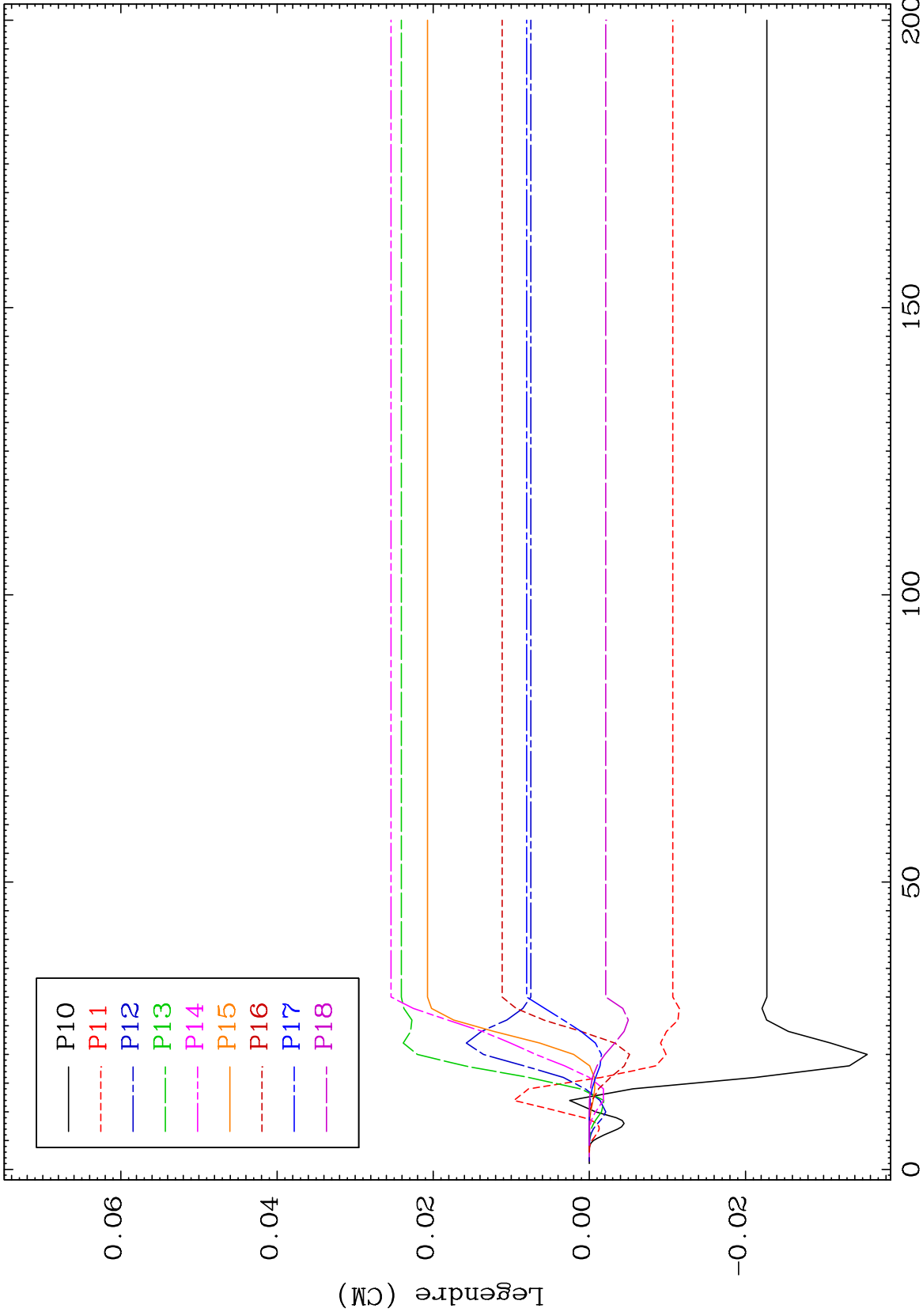
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



108

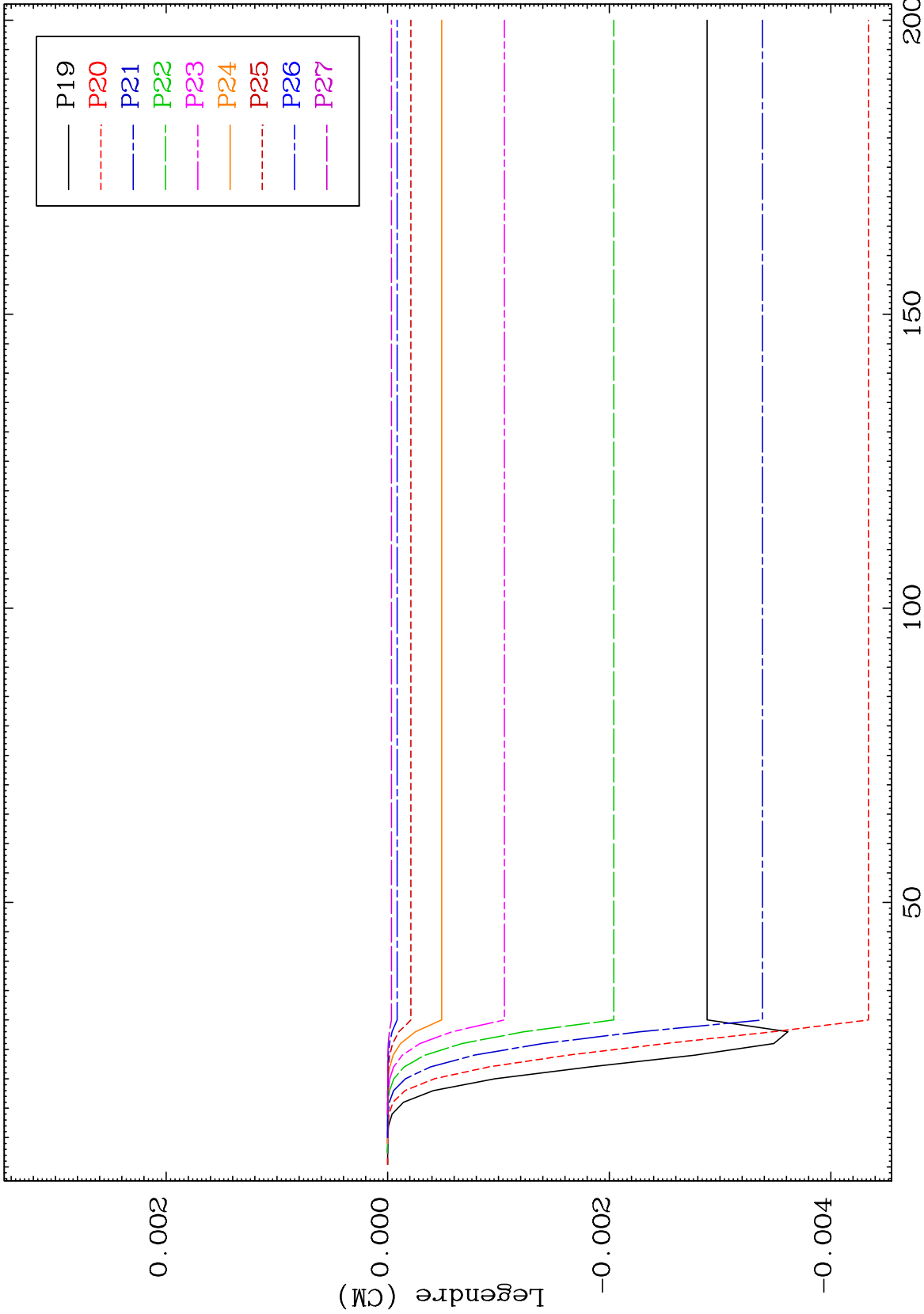
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



109

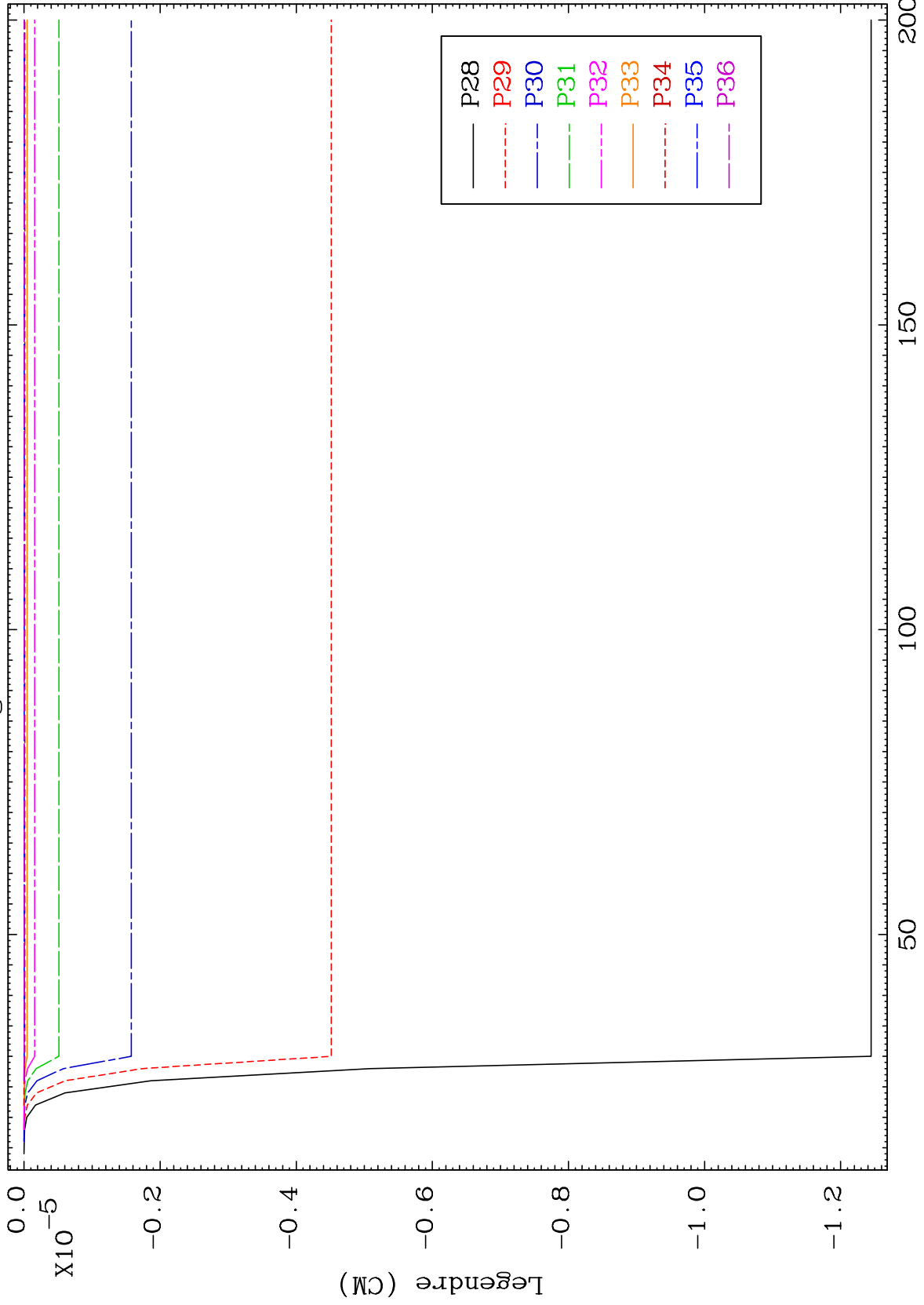
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

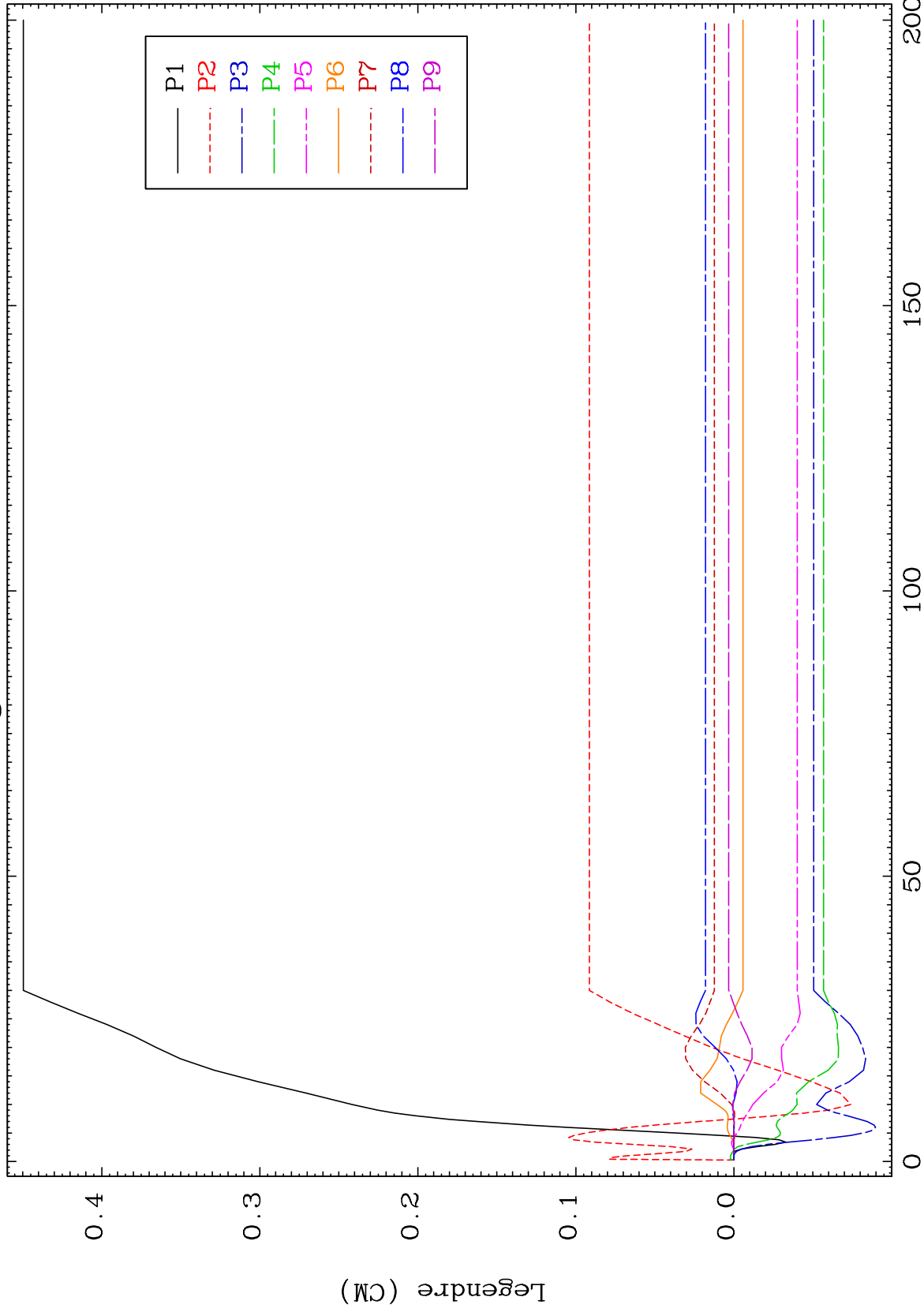
Incident Energy (MeV)

110

MAT 6892

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

69-Tm-158



111

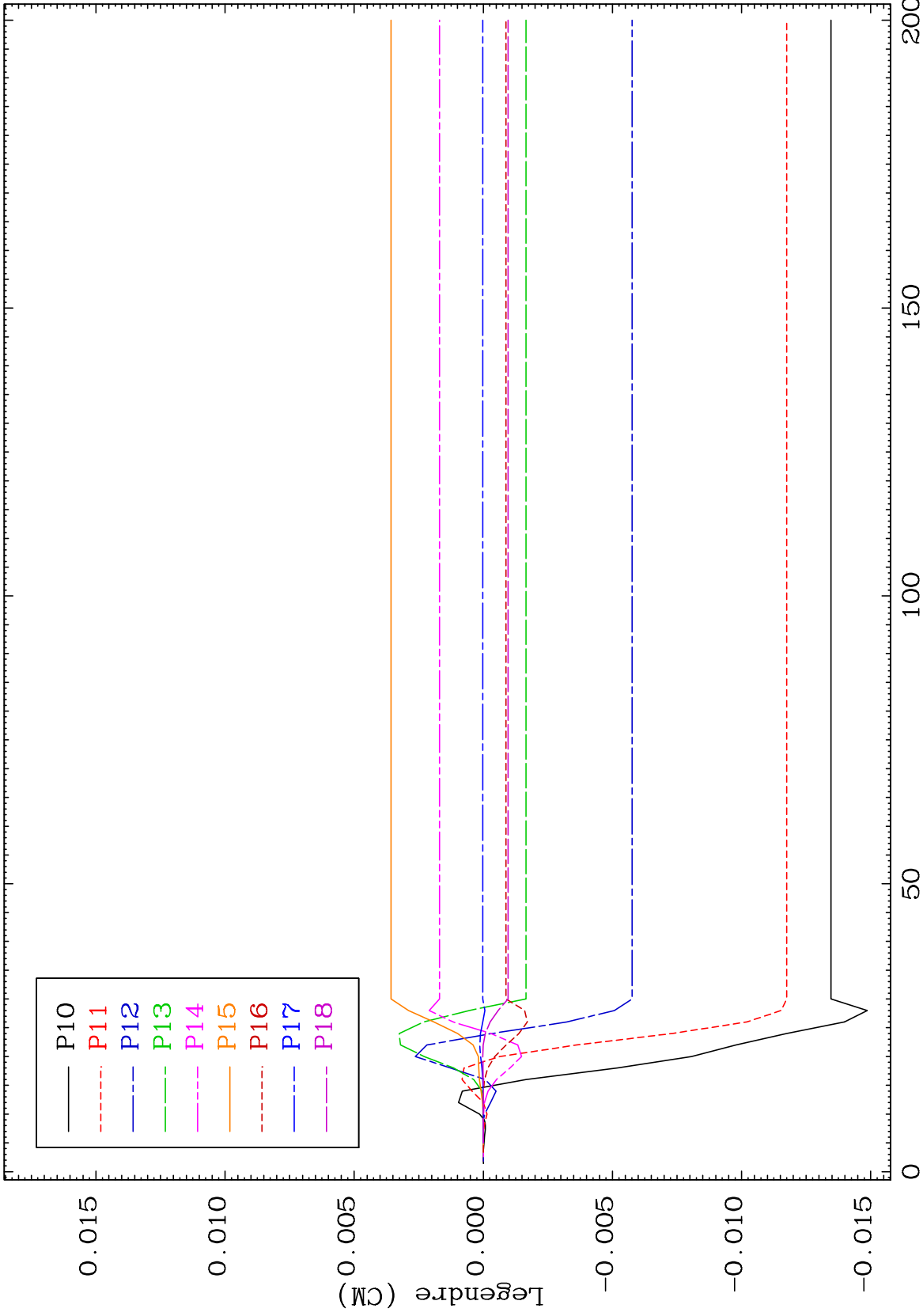
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



112

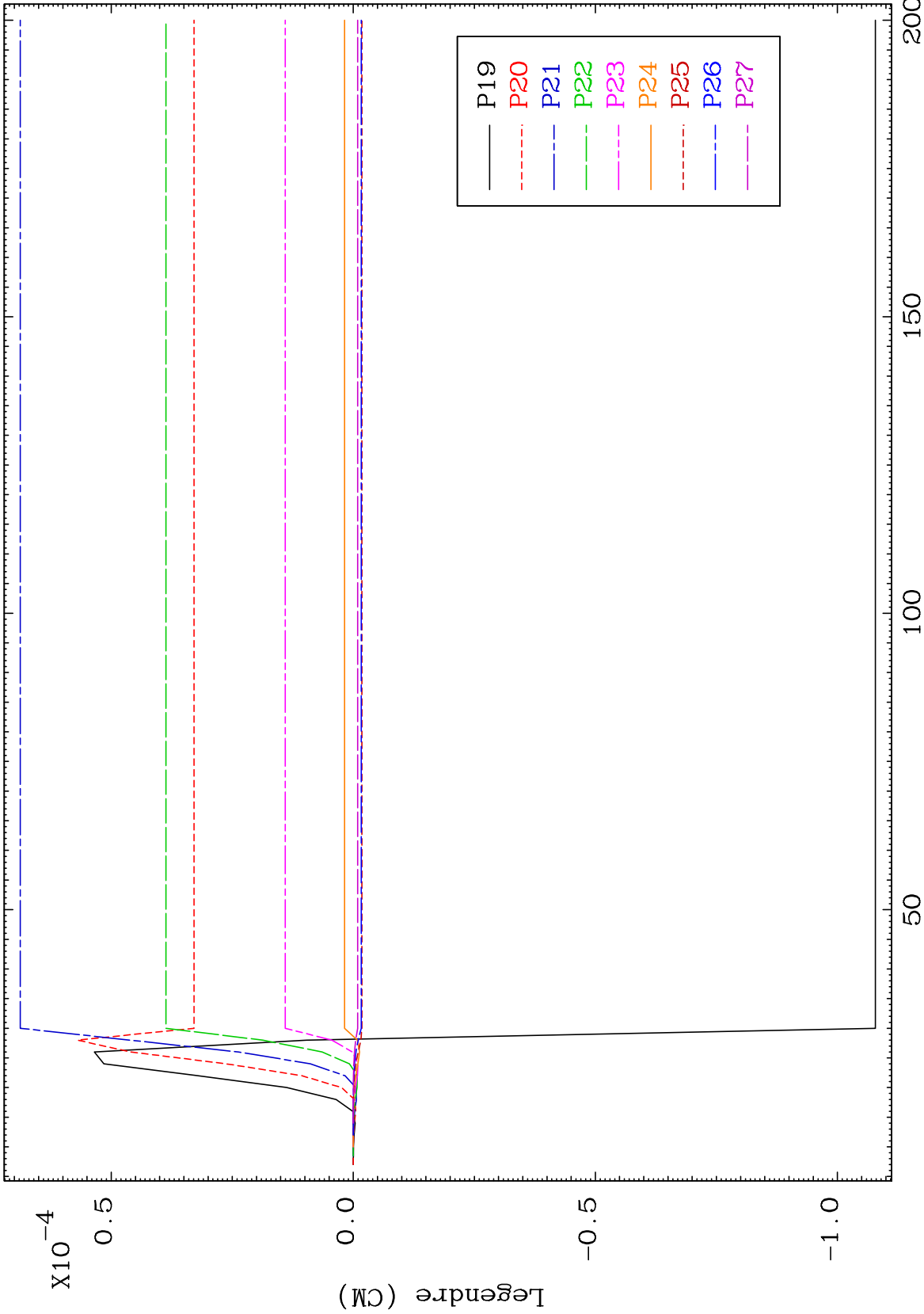
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



113

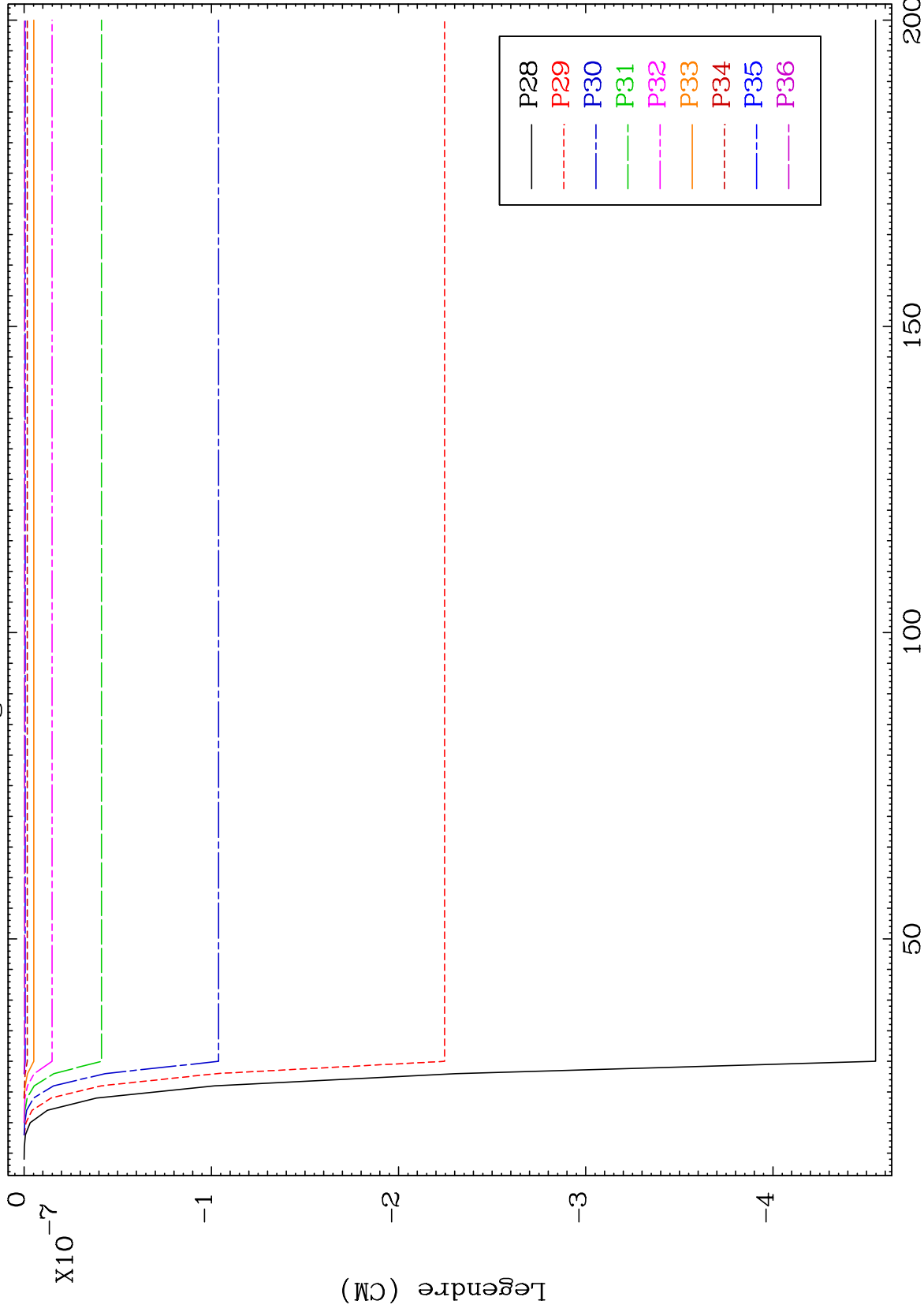
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



114

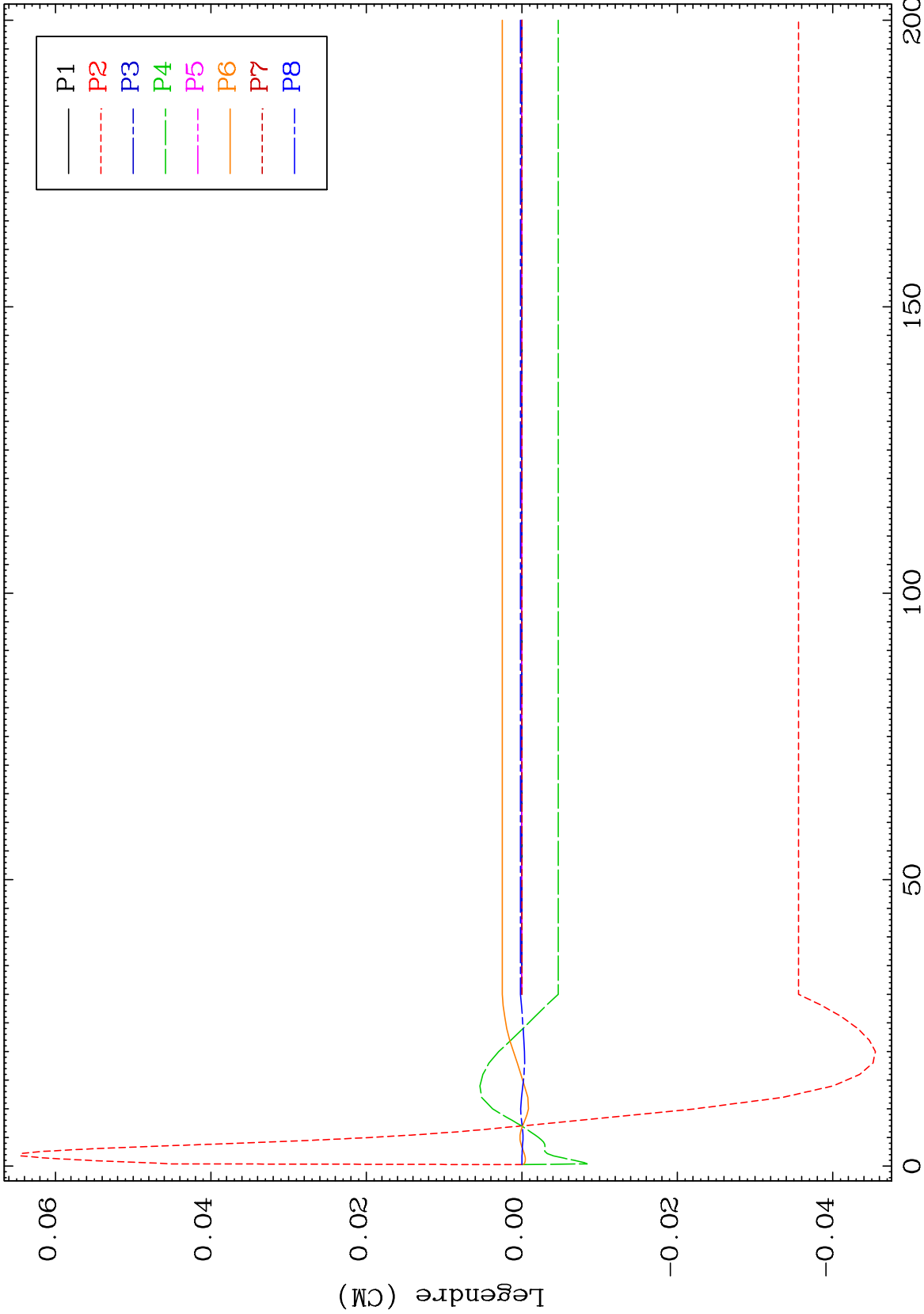
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



115

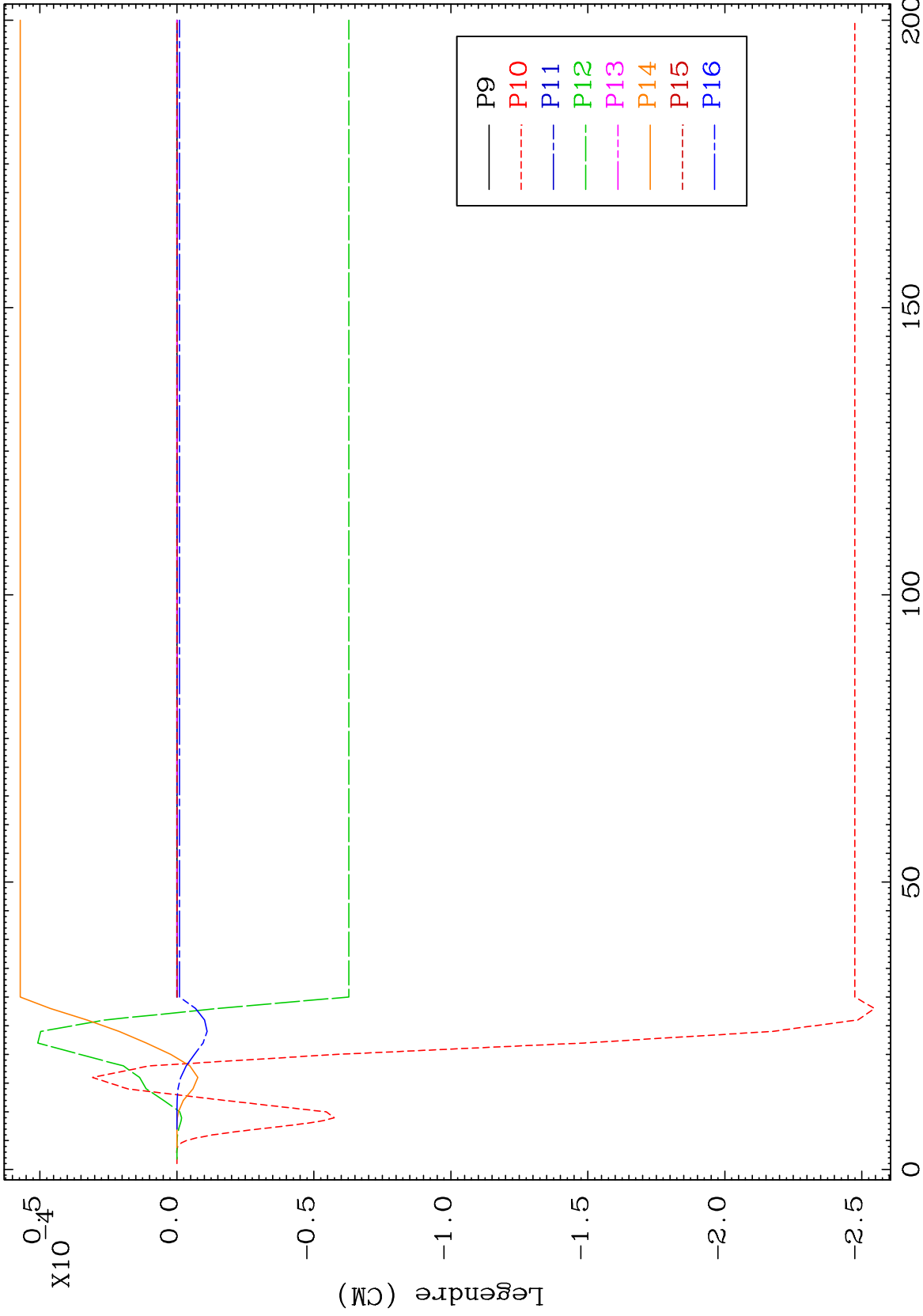
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

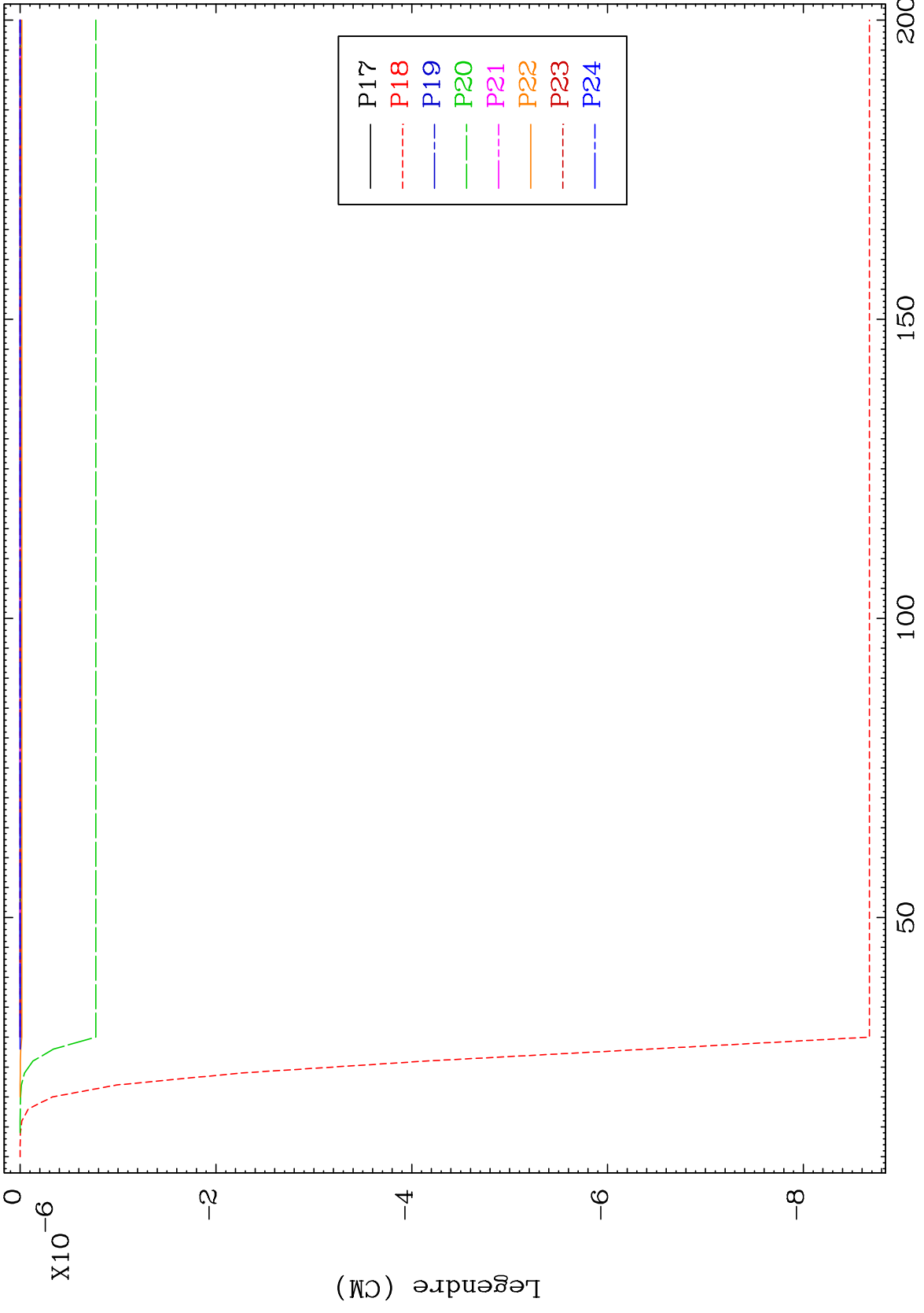


116

Incident Energy (MeV)

69-Tm-158

MAT 6892 MT= 78 (n,n') Level Legendre Coefficients 69-Tm-158

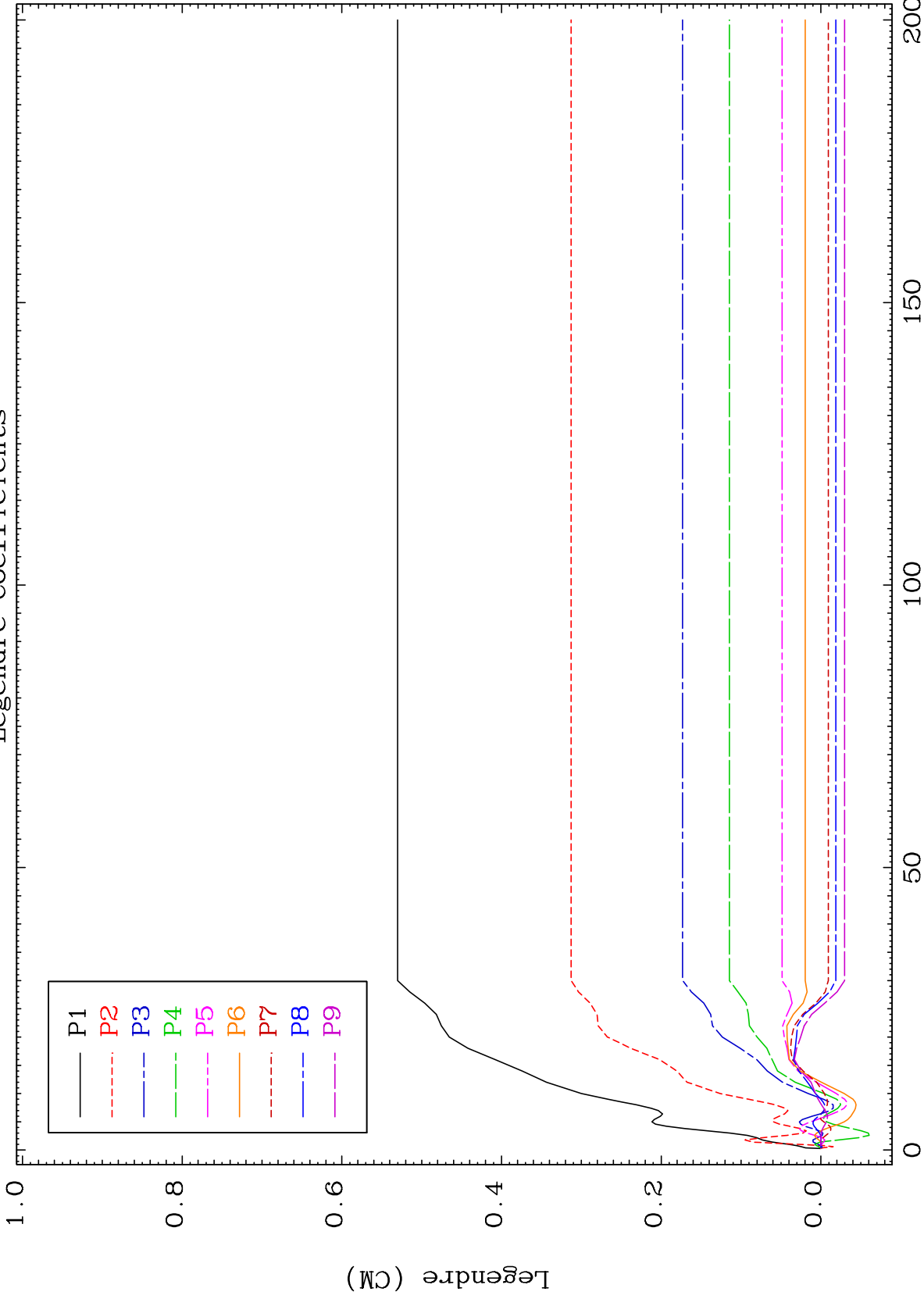


117 69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

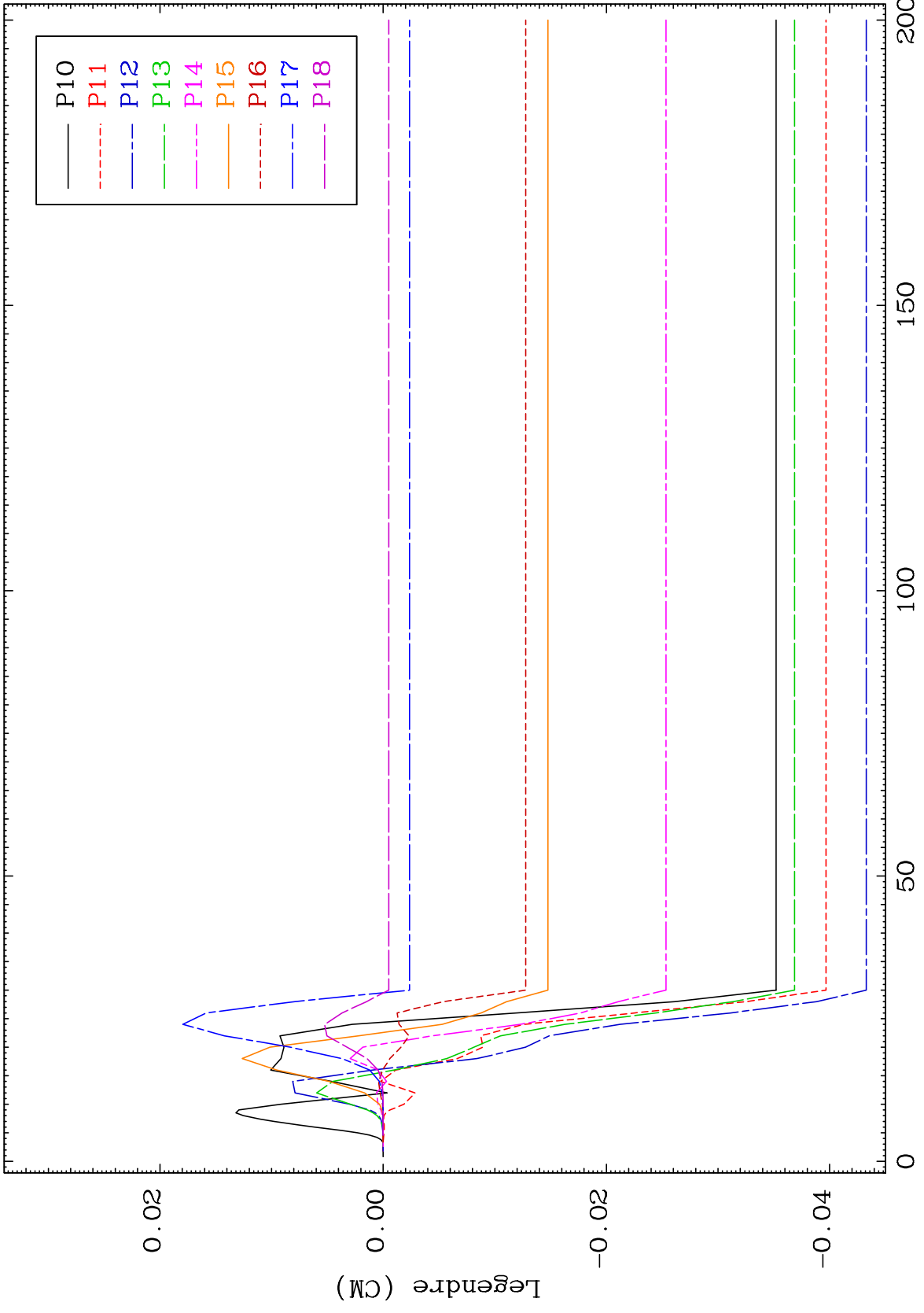
Incident Energy (MeV)

118

MAT 6892

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

69-Tm-158



119

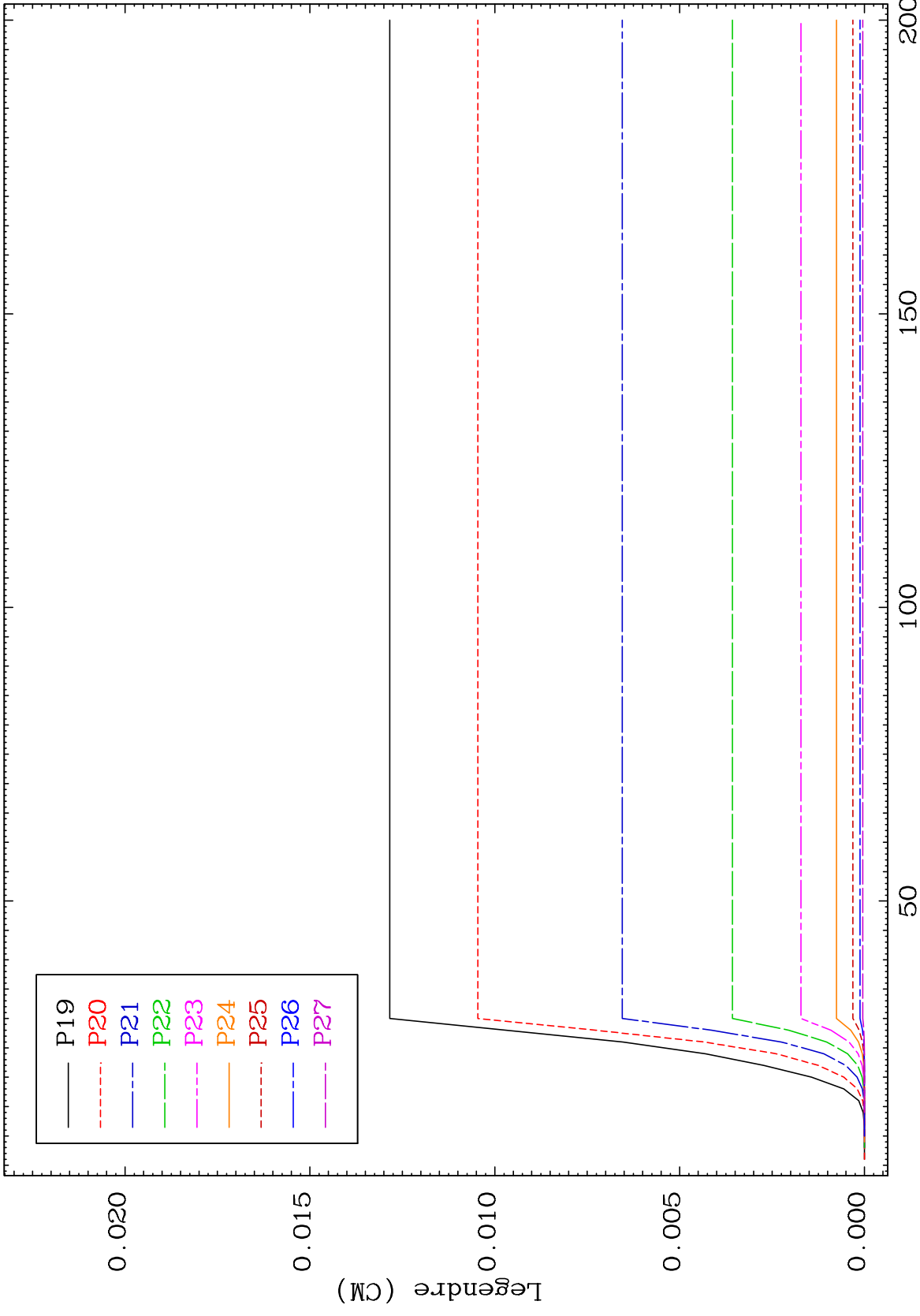
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



120

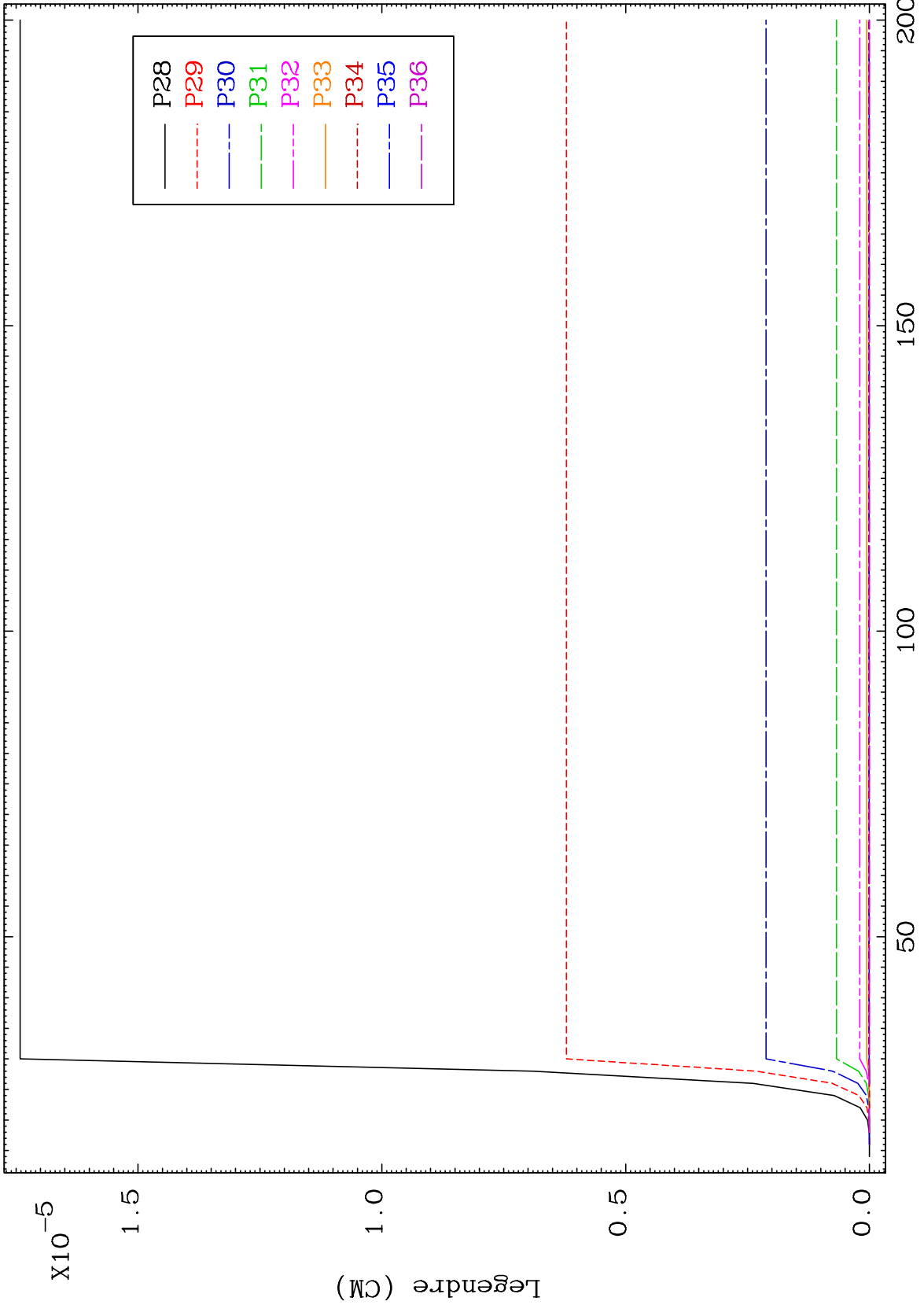
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



121

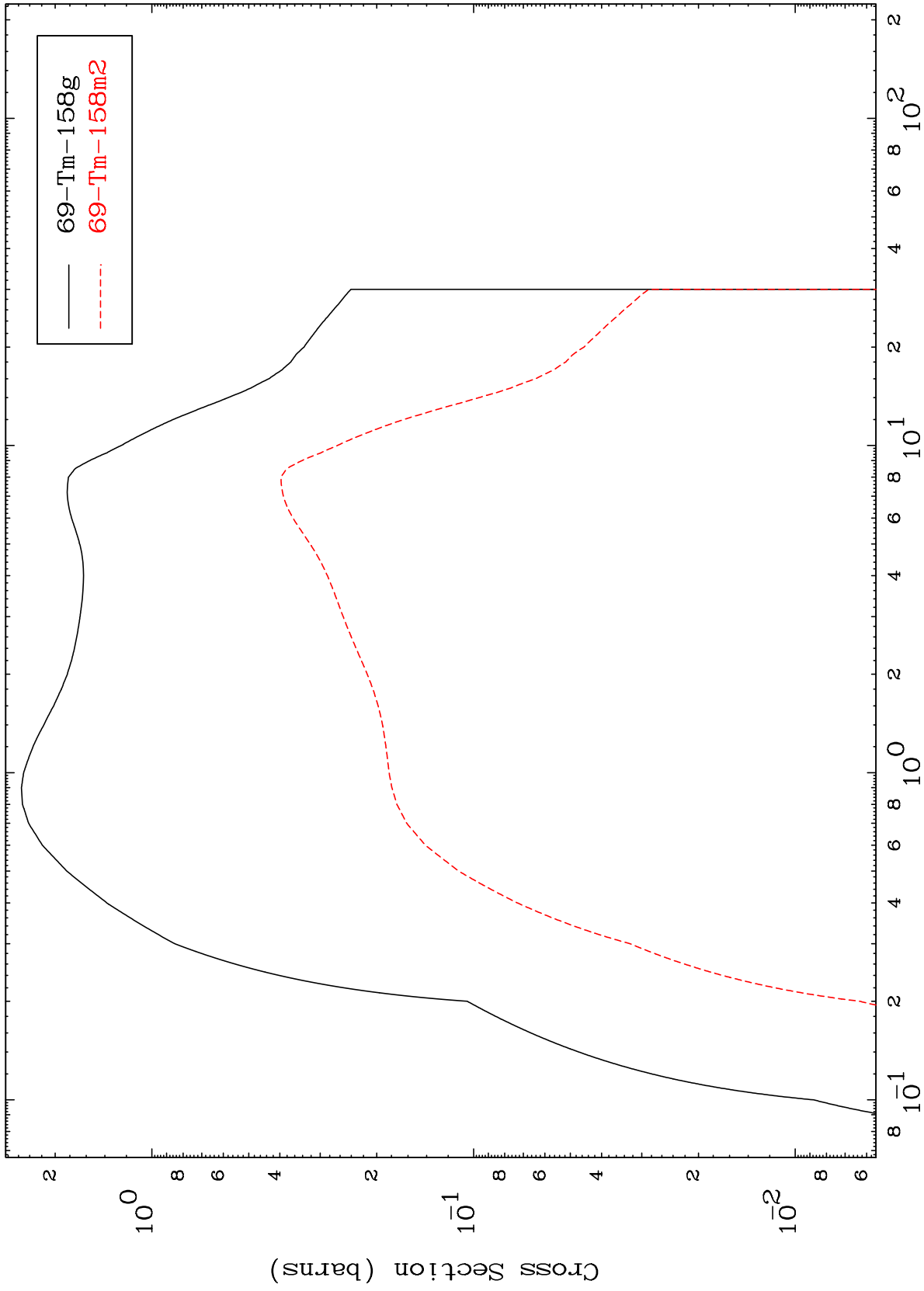
Incident Energy (MeV)

69-Tm-158

MAT 6892

69-Tm-158

Inelastic Radionuclide Production Cross Section



122

Incident Energy (MeV)

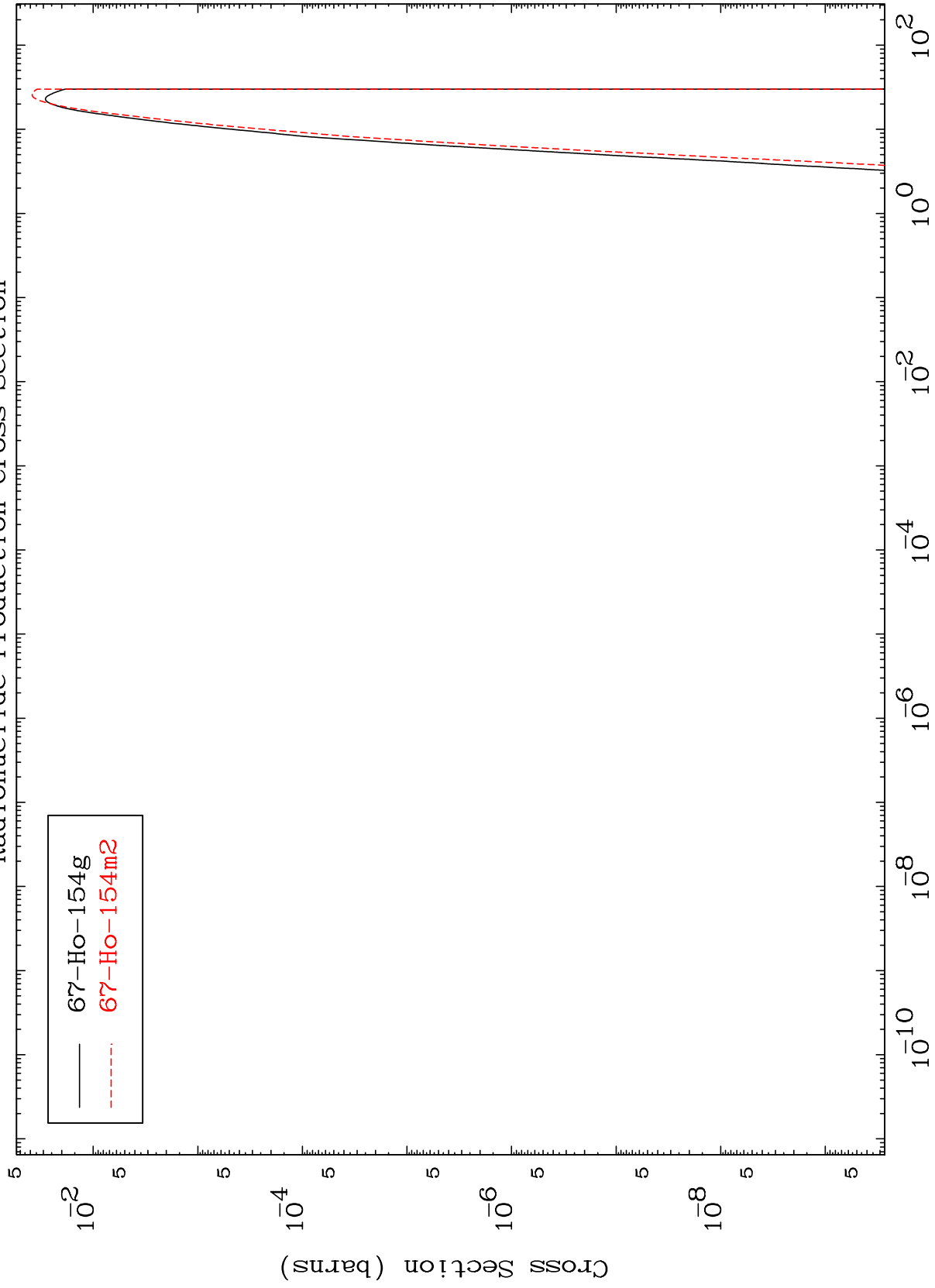
69-Tm-158

MAT 6892

(n,n') α

69-Tm-158

Radionuclide Production Cross Section



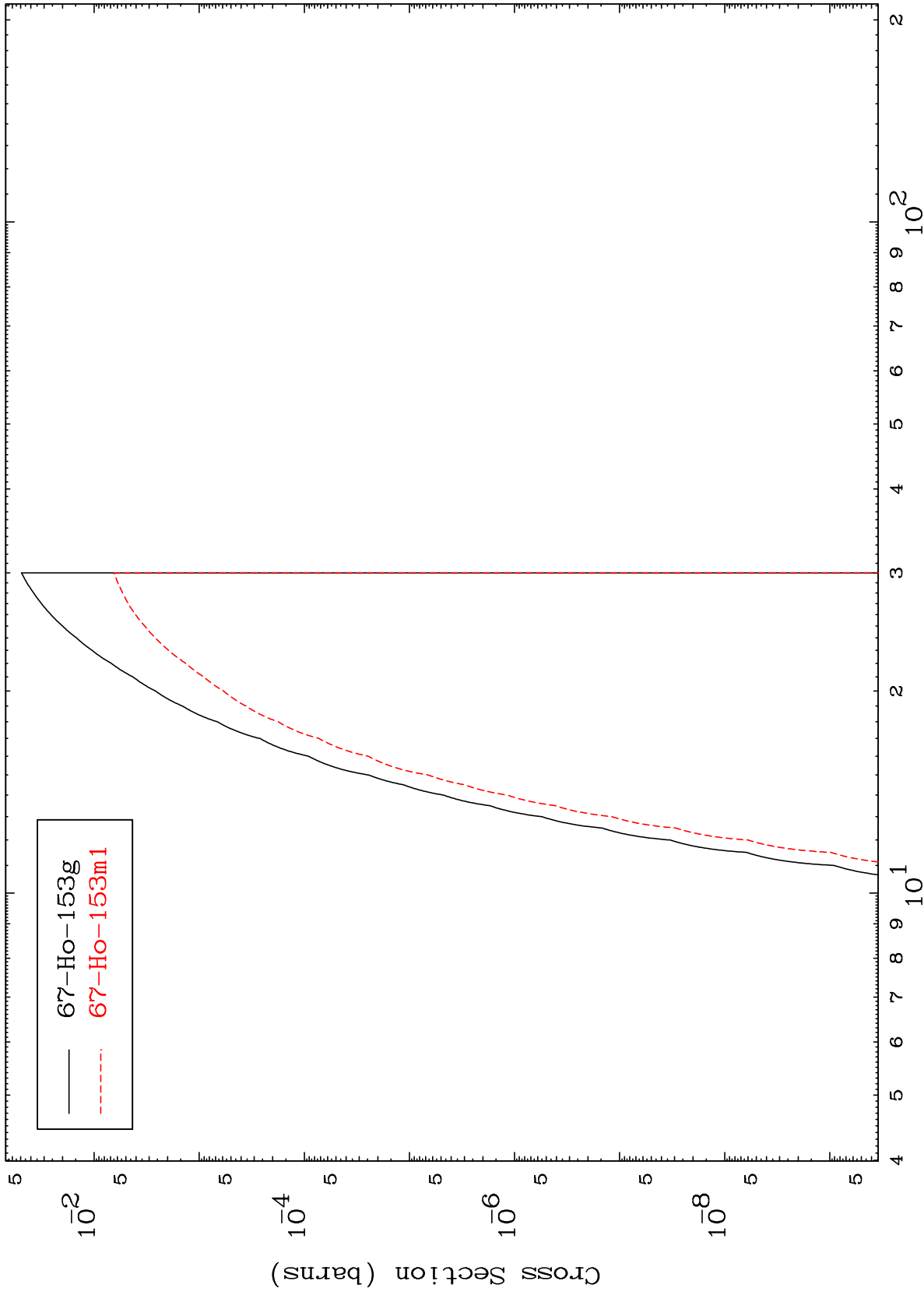
67-Ho-154g
67-Ho-154m2

MAT 6892

(n,2n) α

69-Tm-158

Radionuclide Production Cross Section



124

Incident Energy (MeV)

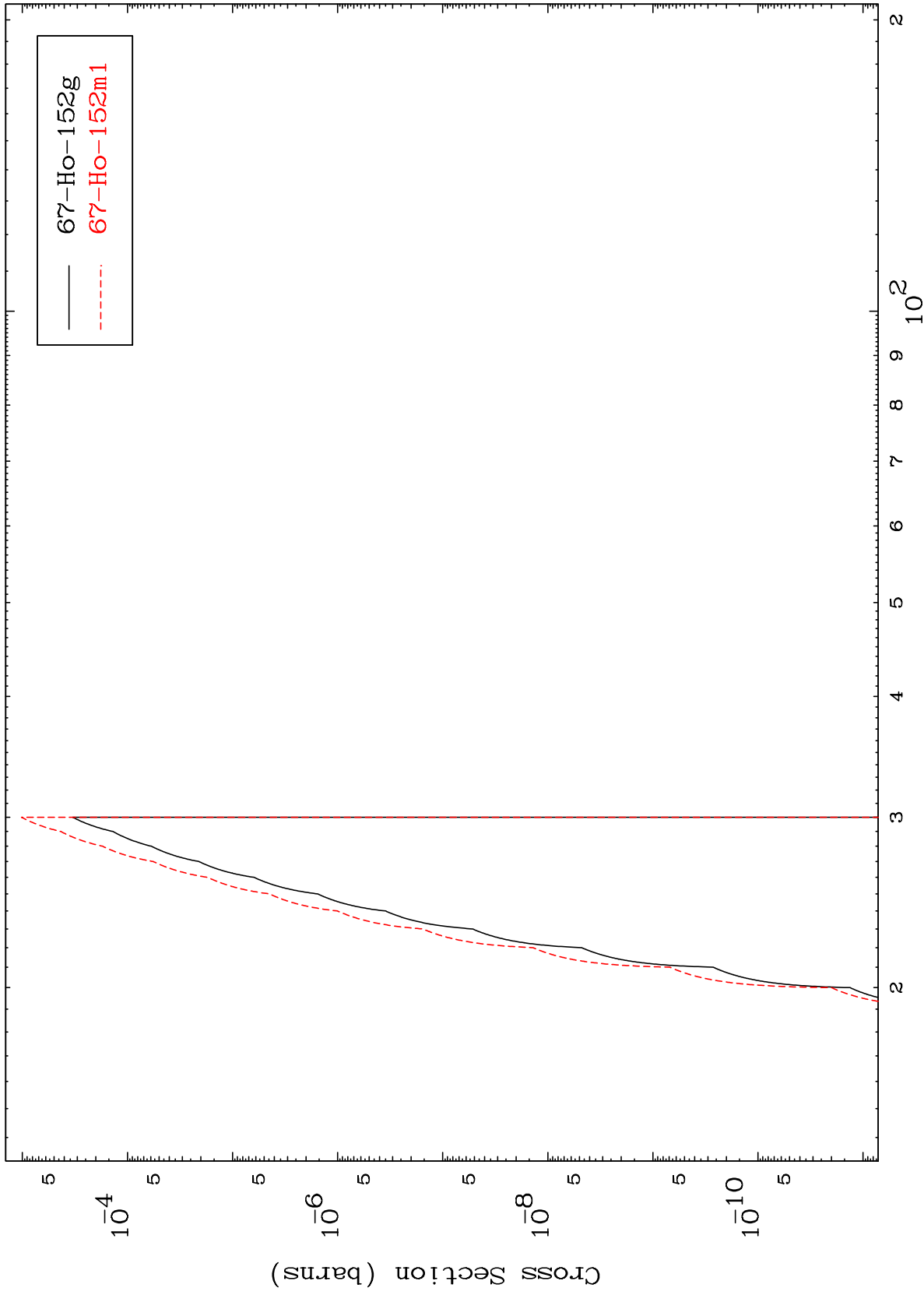
69-Tm-158

MAT 6892

$(n, 3n) \alpha$

69-Tm-158

Radionuclide Production Cross Section



125

Incident Energy (MeV)

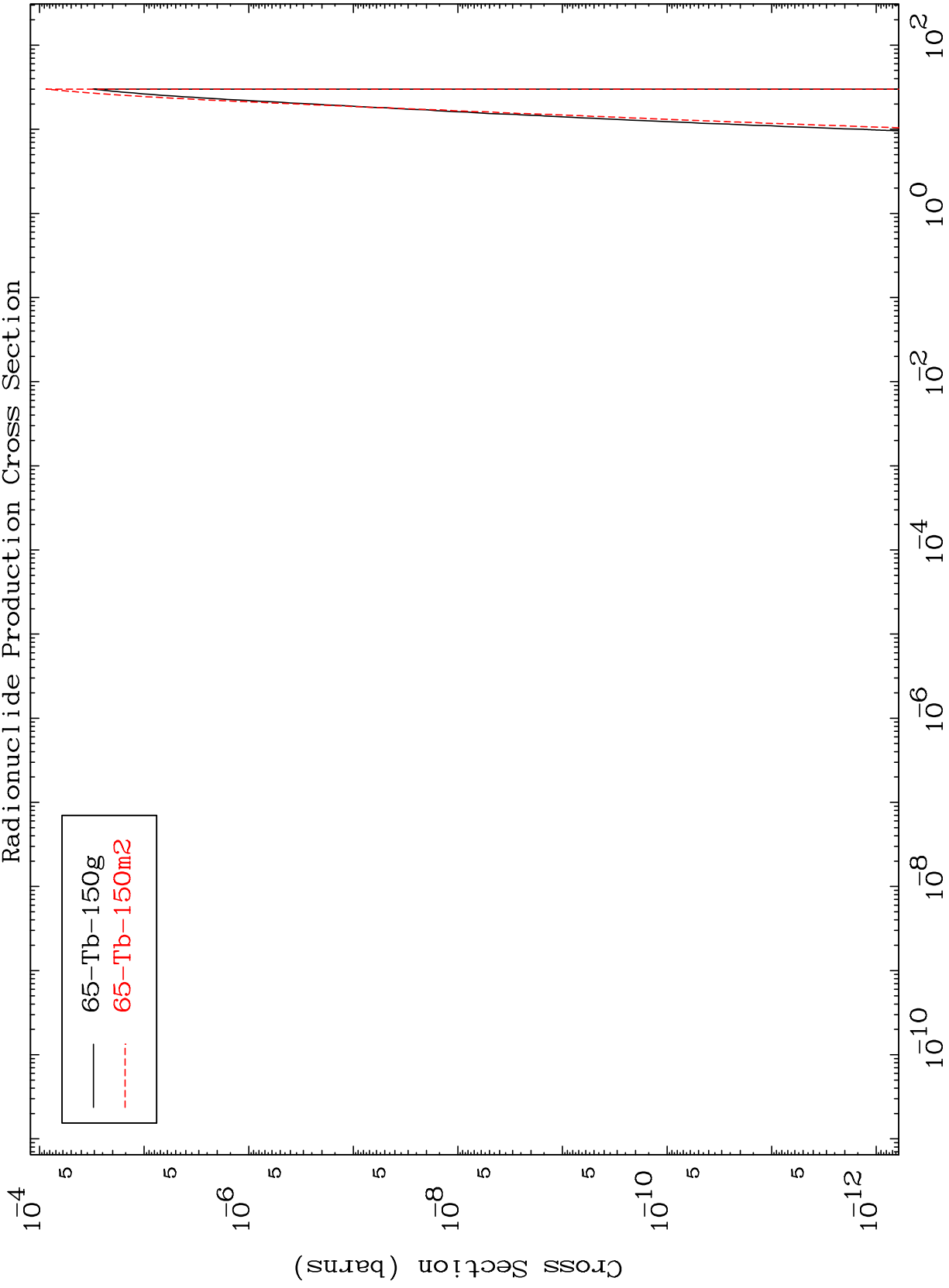
69-Tm-158

MAT 6892

(n,n') 2 α

69-Tm-158

Radionuclide Production Cross Section



126

Incident Energy (MeV)

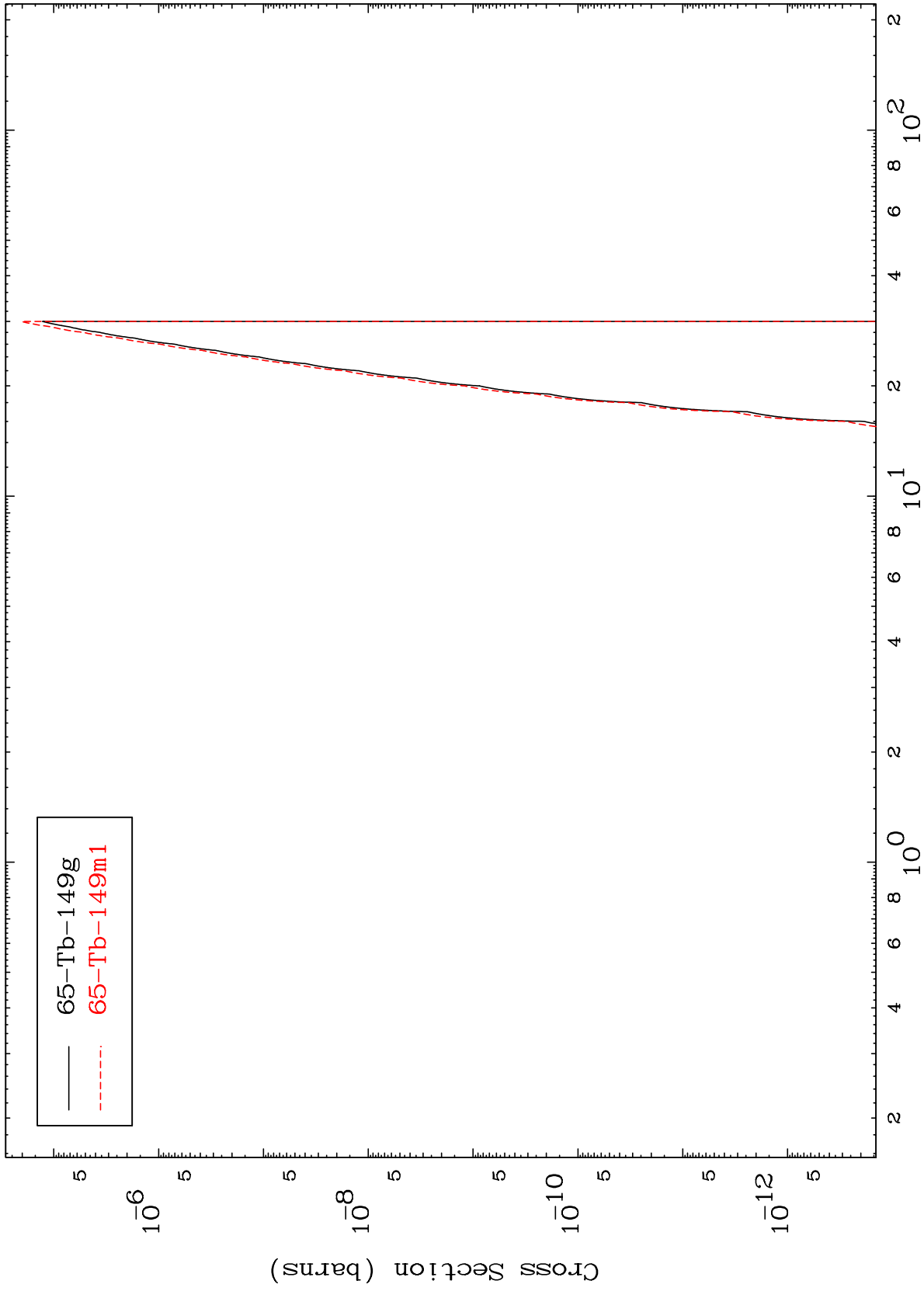
69-Tm-158

MAT 6892

(n,2n) 2α

69-Tm-158

Radionuclide Production Cross Section



127

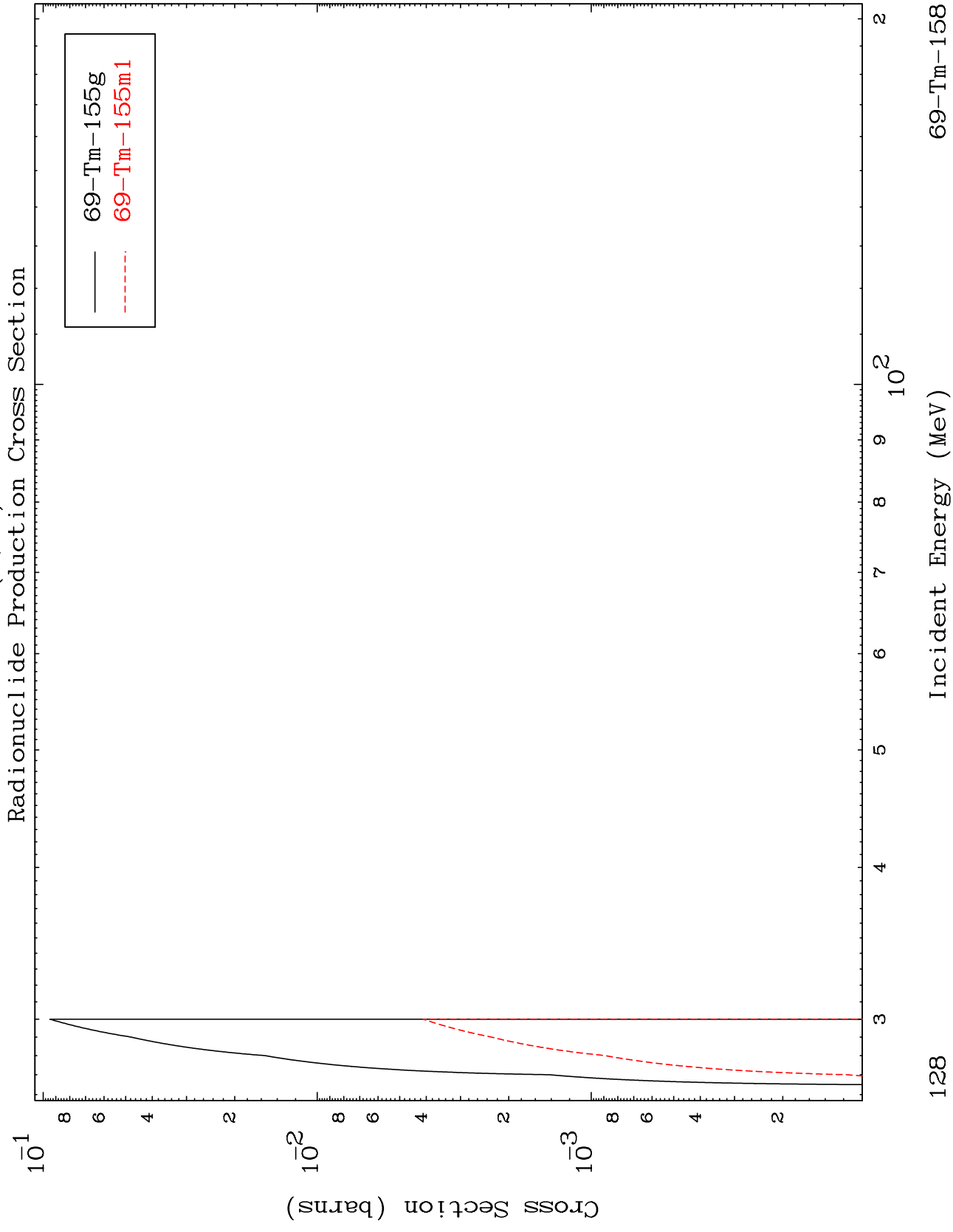
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,4n)

69-Tm-158



128

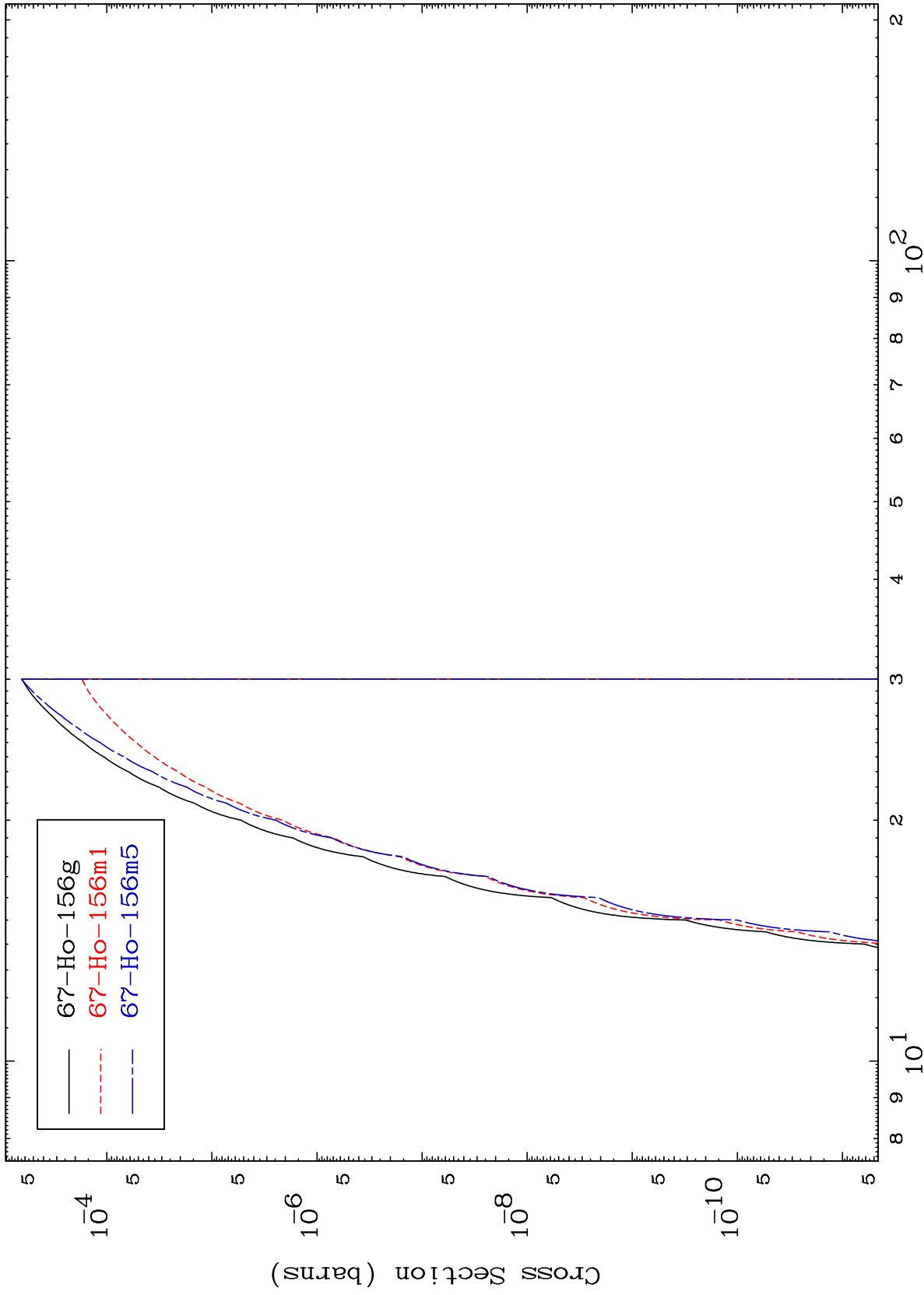
69-Tm-158

MAT 6892

(n,2n) p

69-Tm-158

Radionuclide Production Cross Section



129

Incident Energy (MeV)

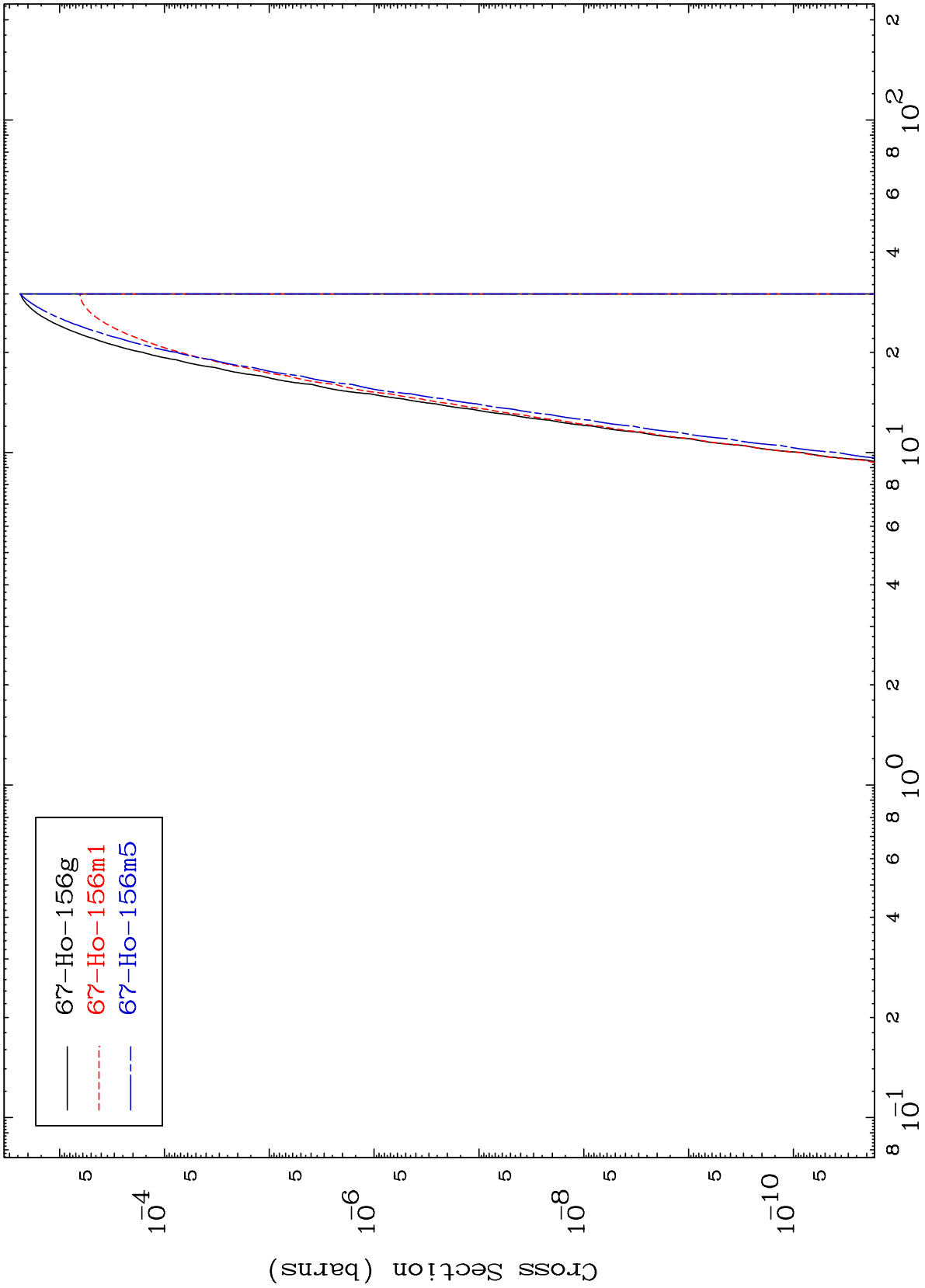
69-Tm-158

MAT 6892

(n, He-3)

69-Tm-158

Radionuclide Production Cross Section



130

Incident Energy (MeV)

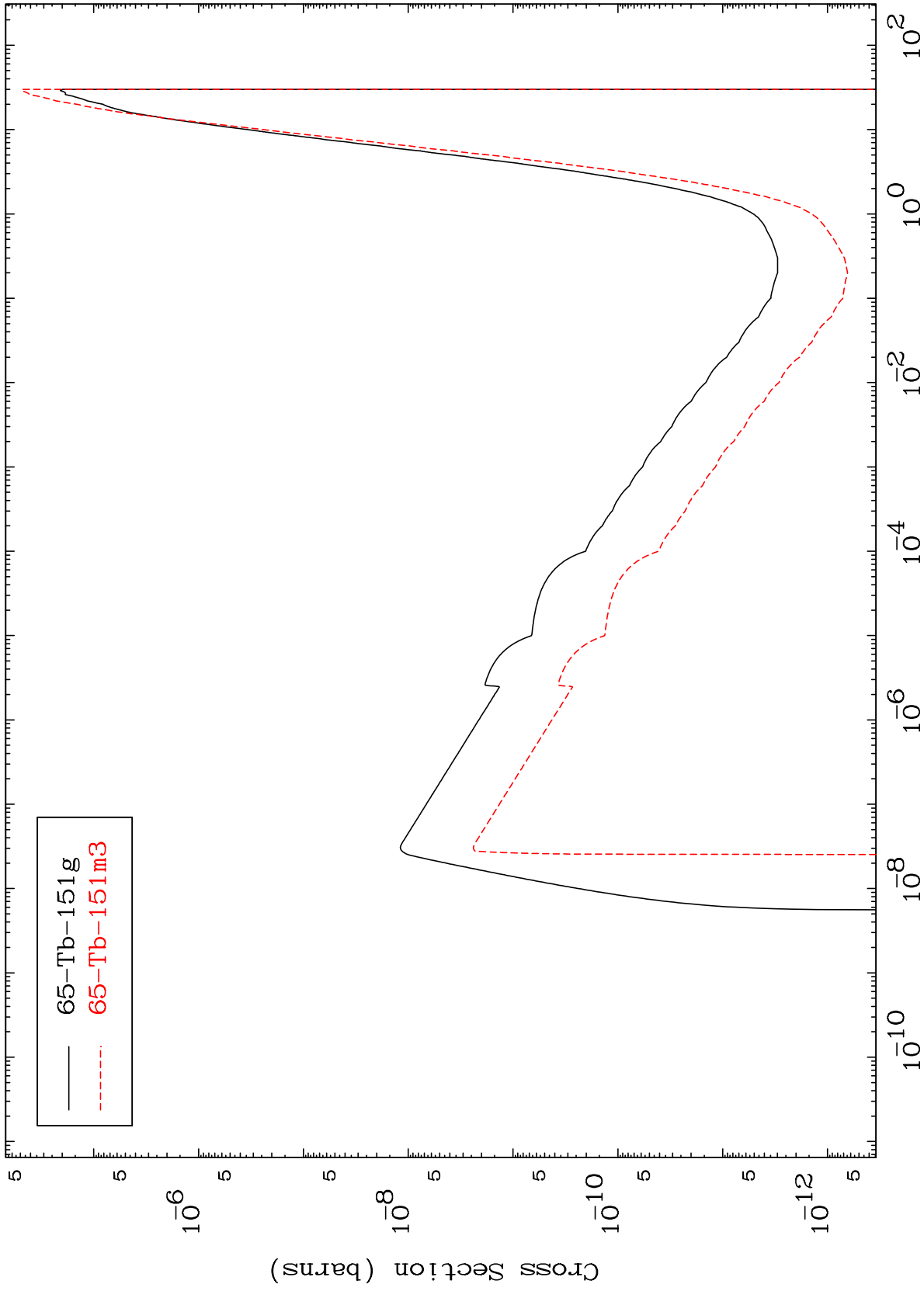
69-Tm-158

MAT 6892

(n,2α)

69-Tm-158

Radionuclide Production Cross Section



131

Incident Energy (MeV)

69-Tm-158

Radionuclide Production Cross Section

