

Program EVALPLOT
(Version 2018-1)

by

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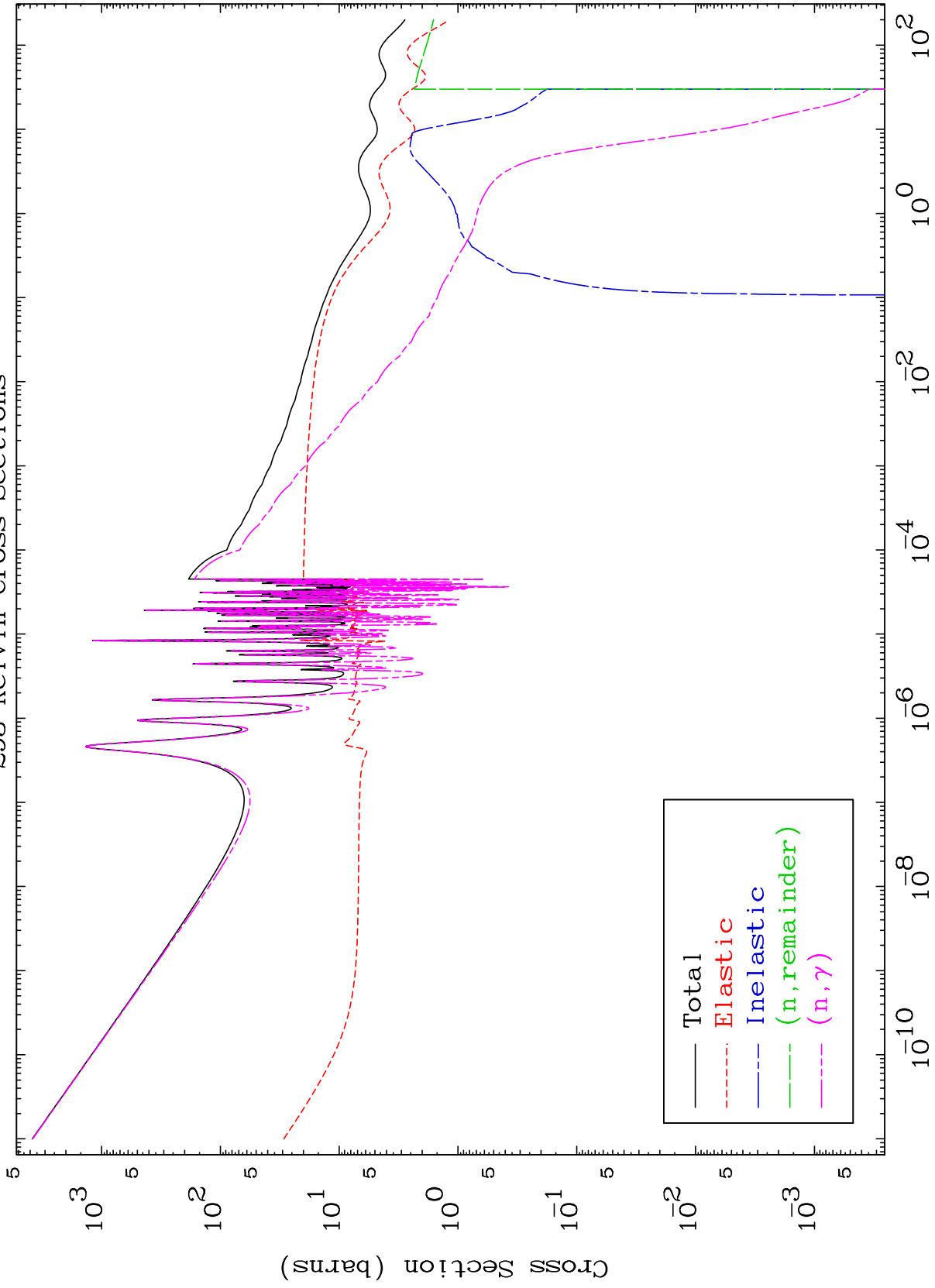
Press Mouse Button to Start

MAT 7713

Major

293 Kelvin Cross Sections

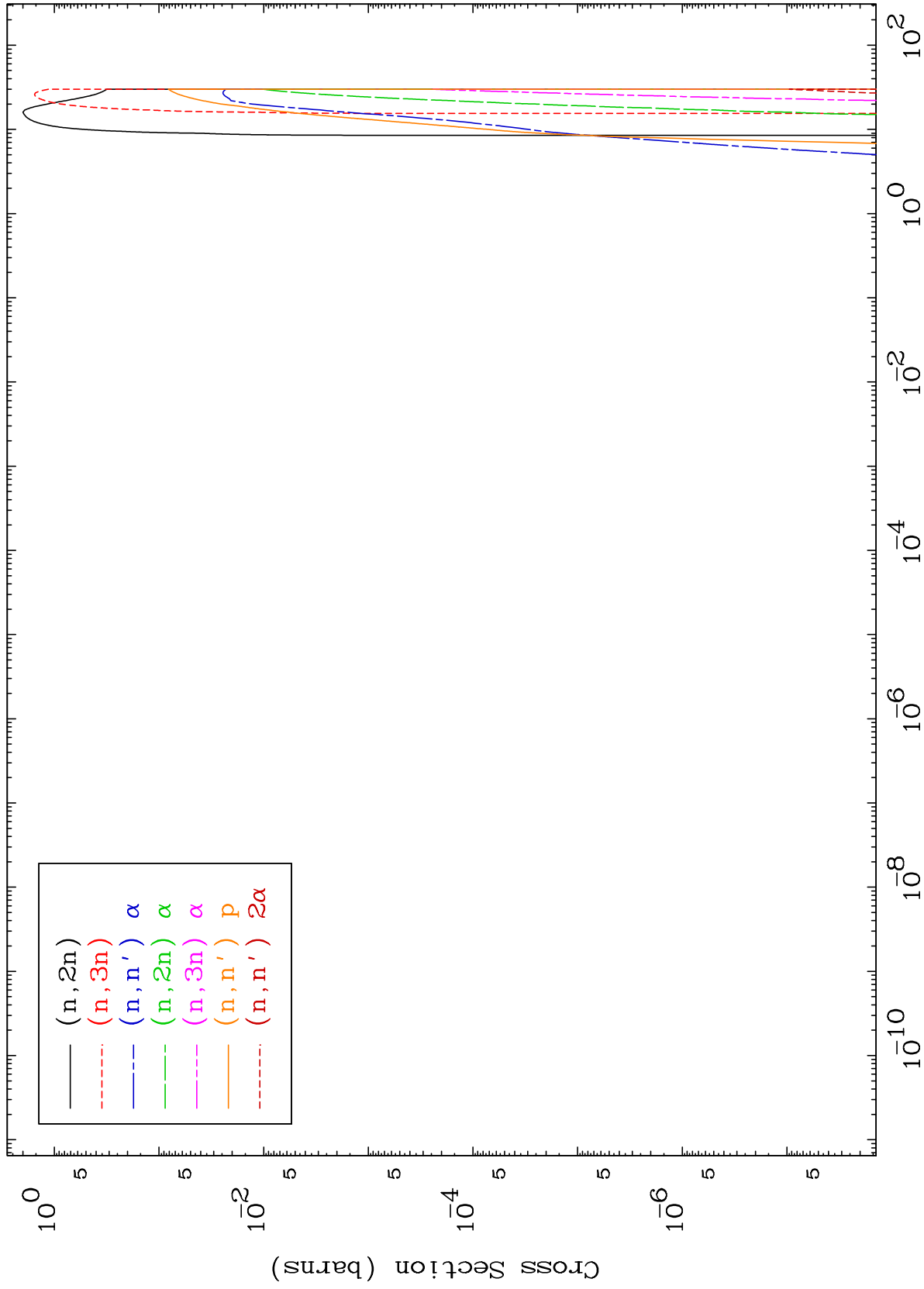
77-Ir-187



MAT 7713

Neutron Production
293 Kelvin Cross Sections

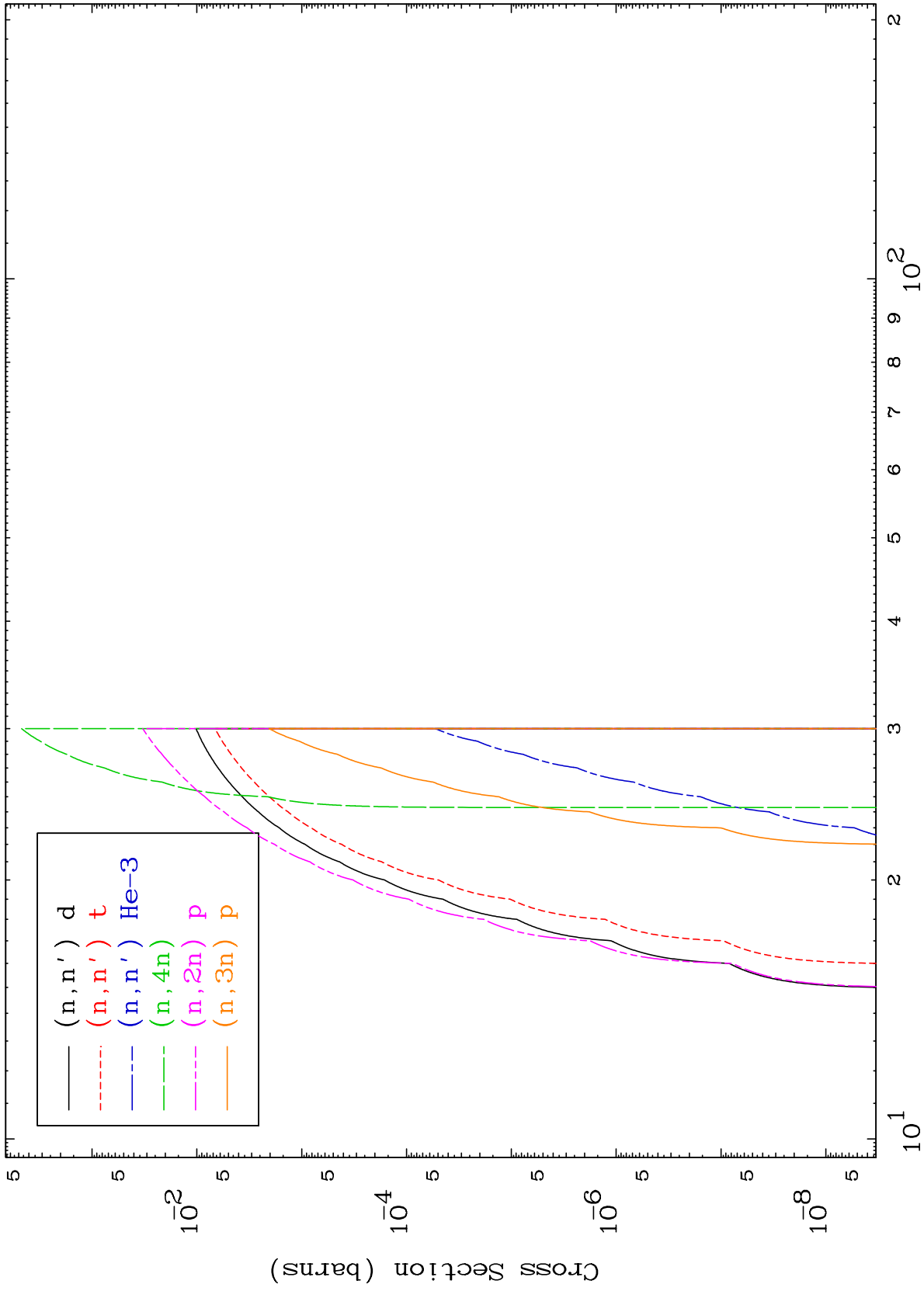
77-Ir-187



MAT 7713

Neutron Production
293 Kelvin Cross Sections

77-Ir-187



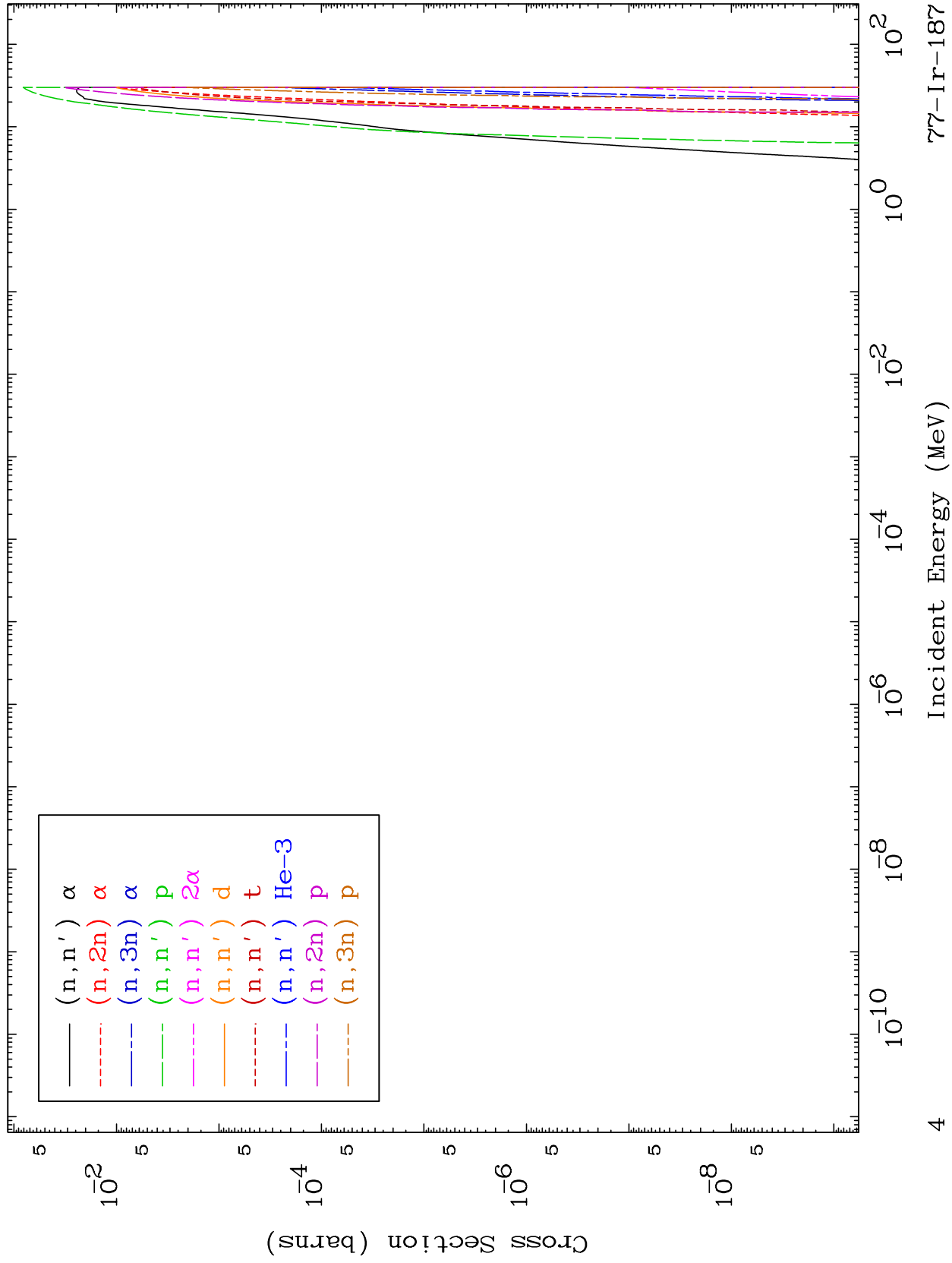
Incident Energy (MeV)

77-Ir-187

MAT 7713

Charged Particle
293 Kelvin Cross Sections

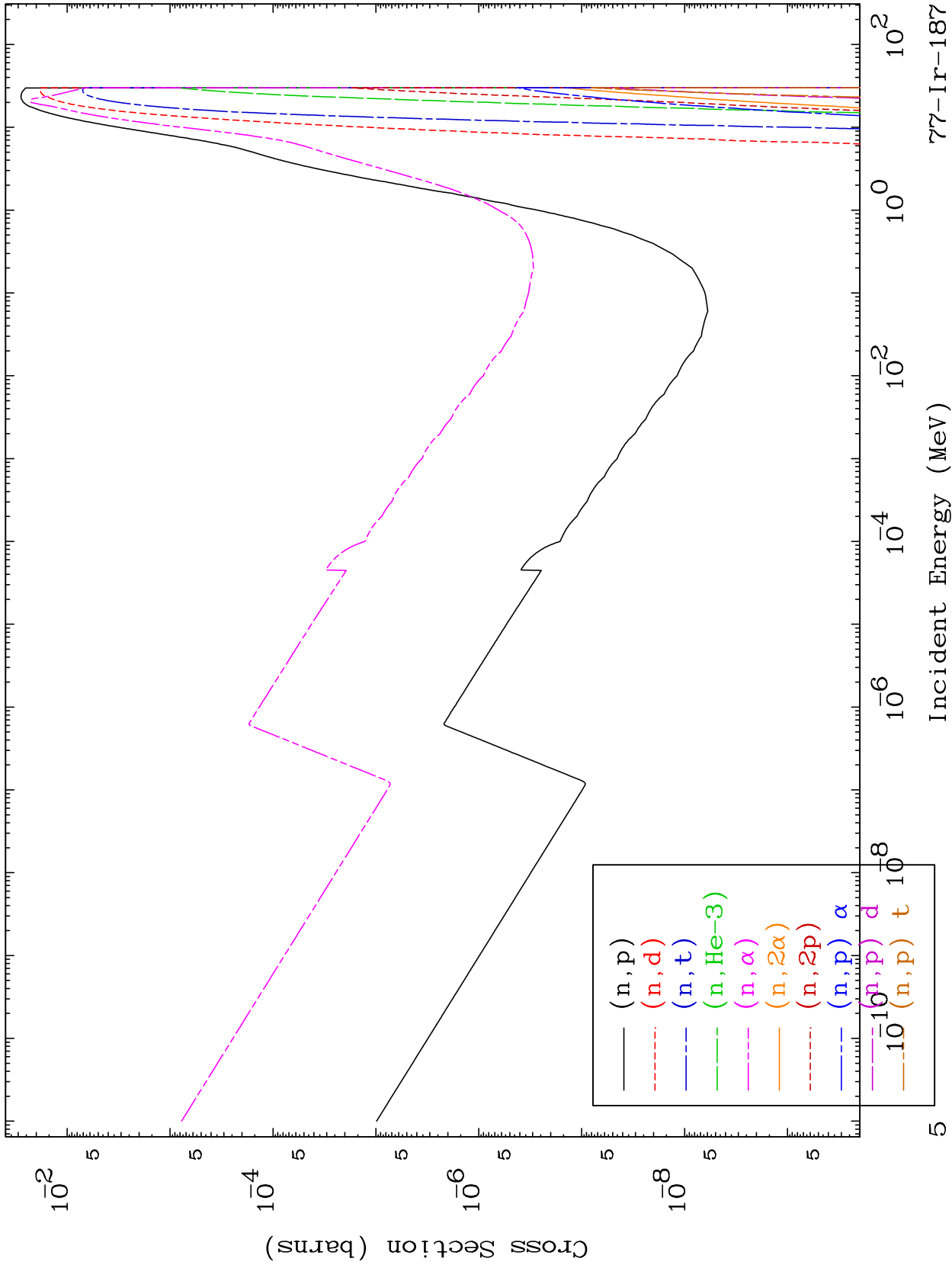
77-Ir-187



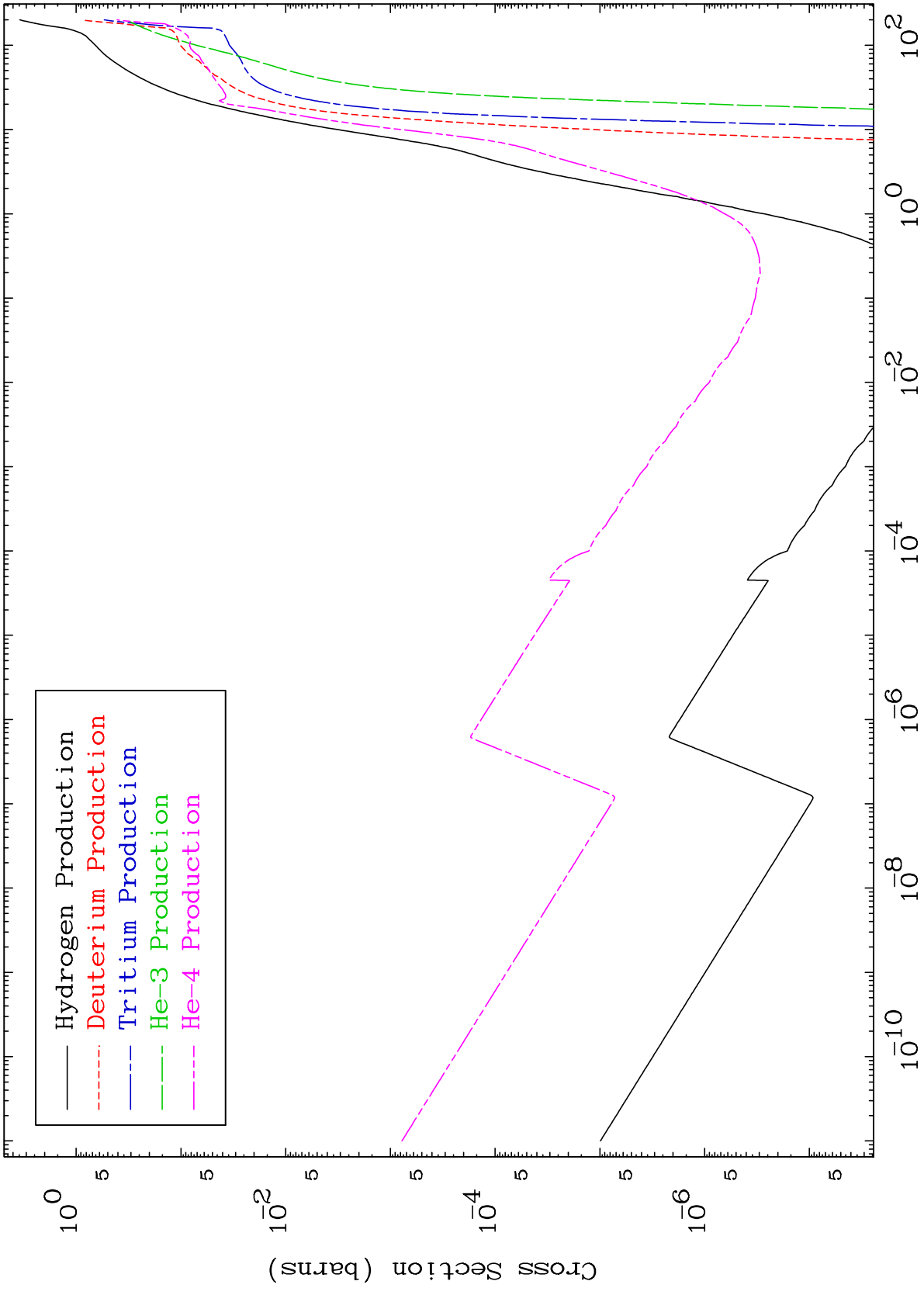
MAT 7713

Charged Particle
293 Kelvin Cross Sections

77-Ir-187



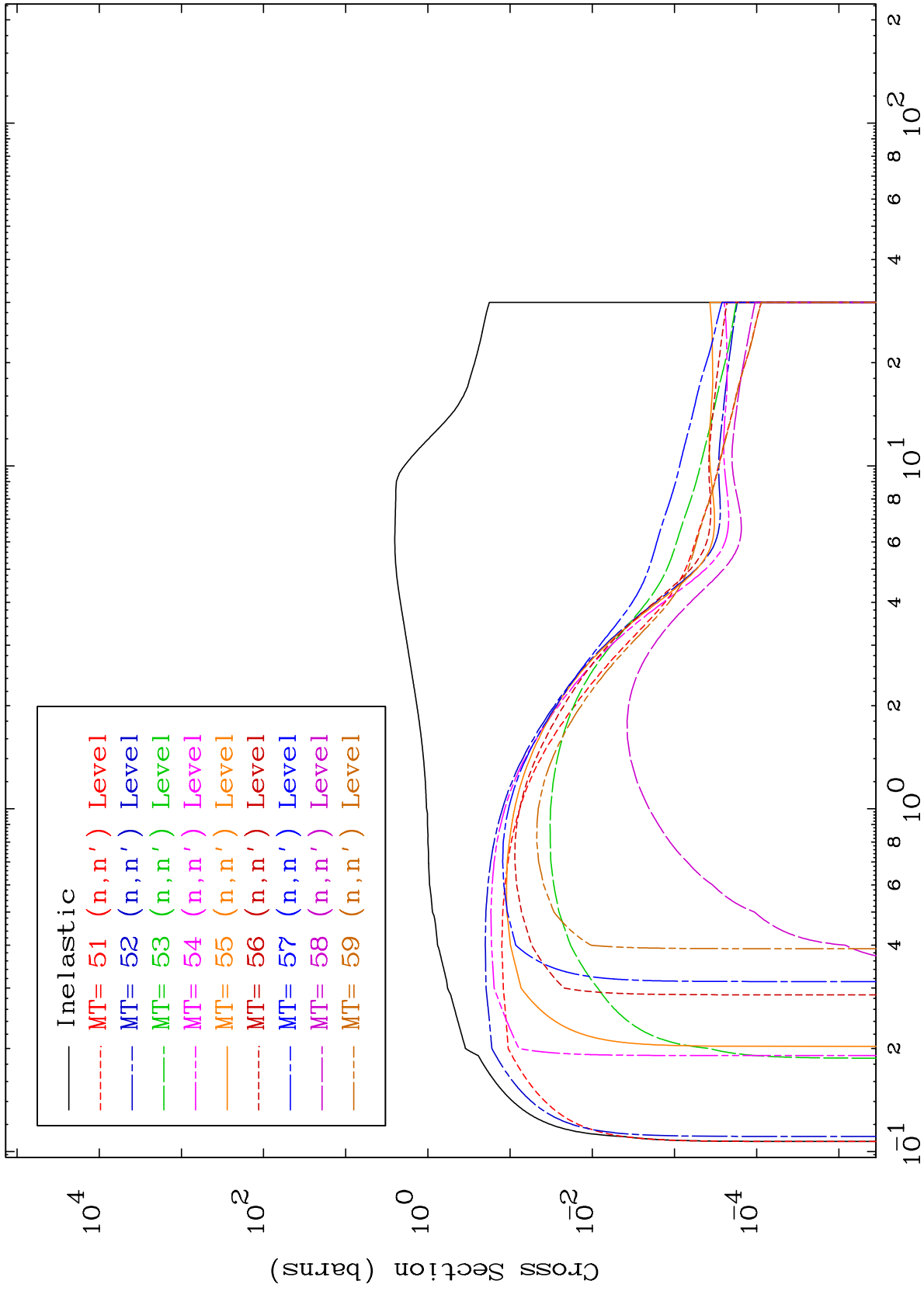
77-Ir-187



MAT 7713

(n,n') Level
293 Kelvin Cross Sections

77-Ir-187



Incident Energy (MeV)

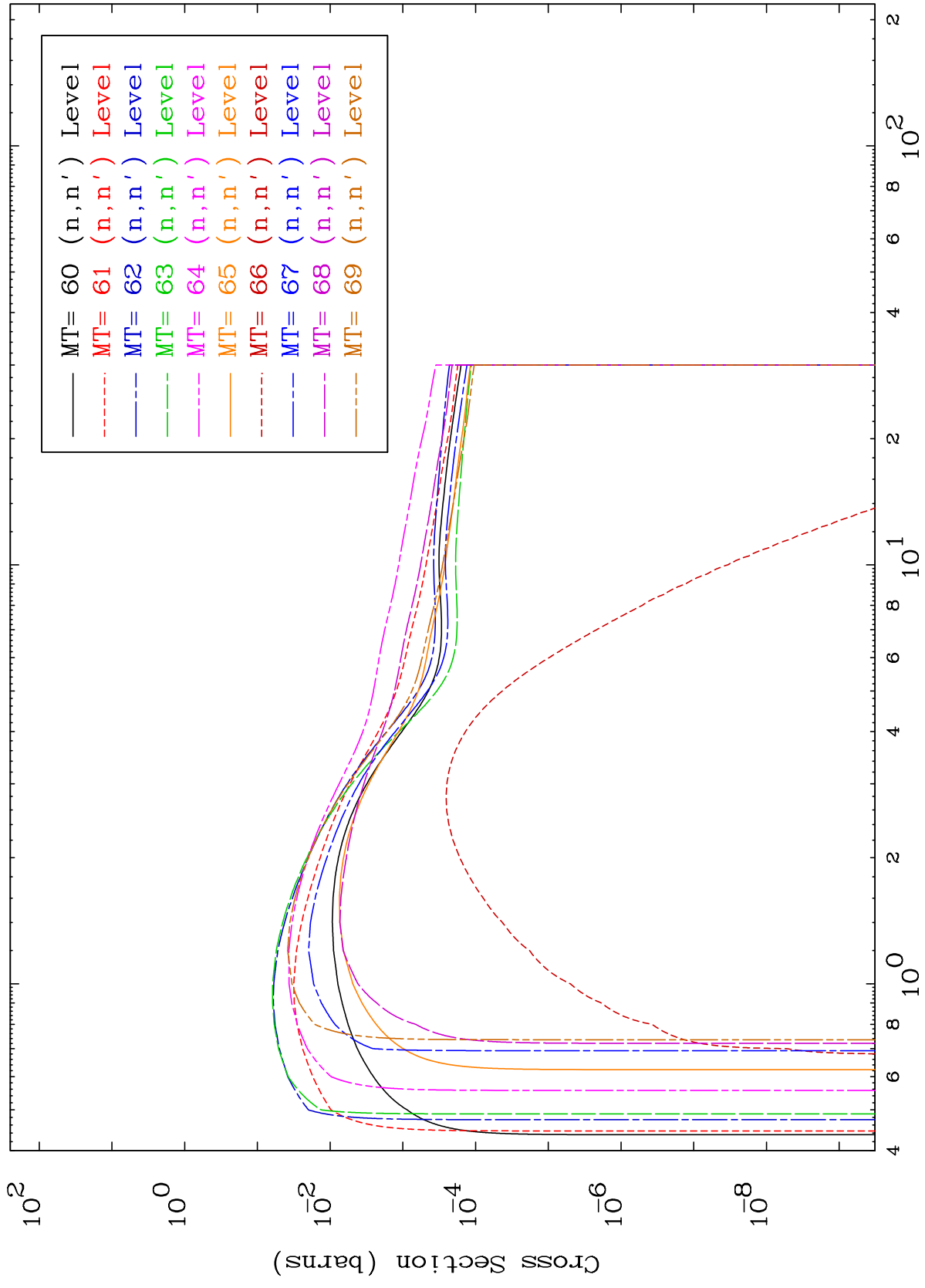
77-Ir-187

MAT 7713

(n,n') Level

77-Ir-187

293 Kelvin Cross Sections



8

Incident Energy (MeV)

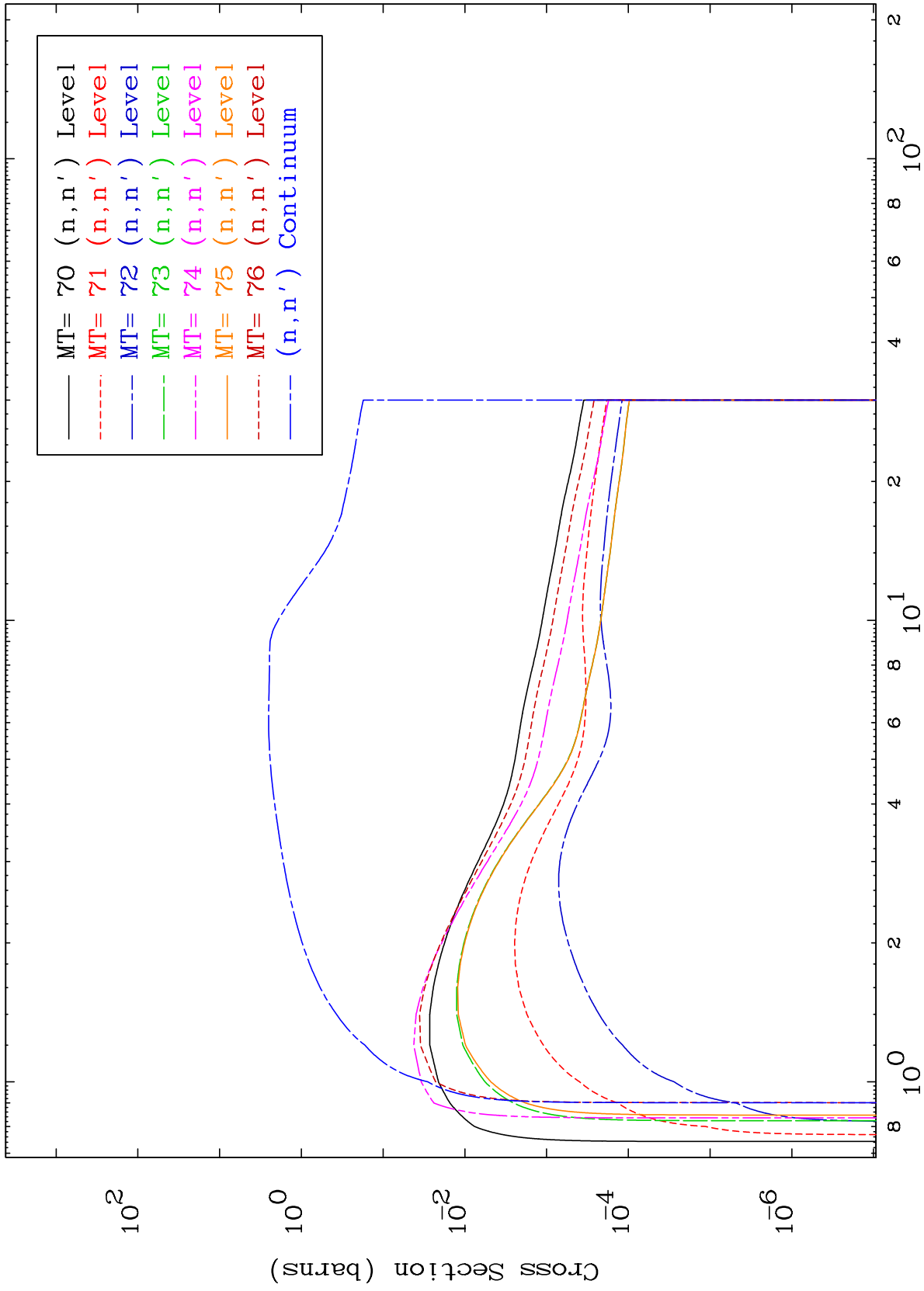
77-Ir-187

MAT 7713

(n,n') Level

77-Ir-187

293 Kelvin Cross Sections



9

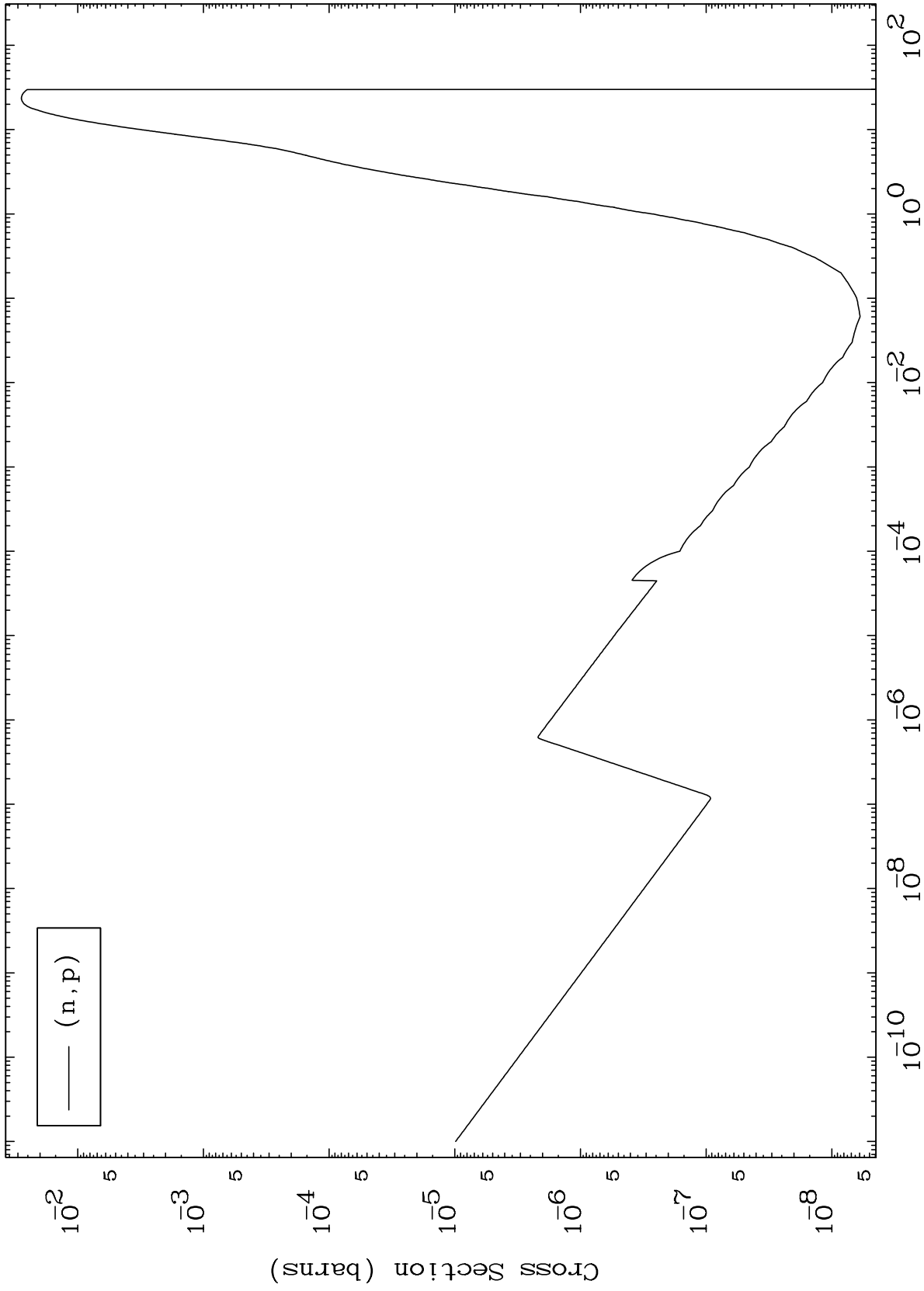
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-187



10

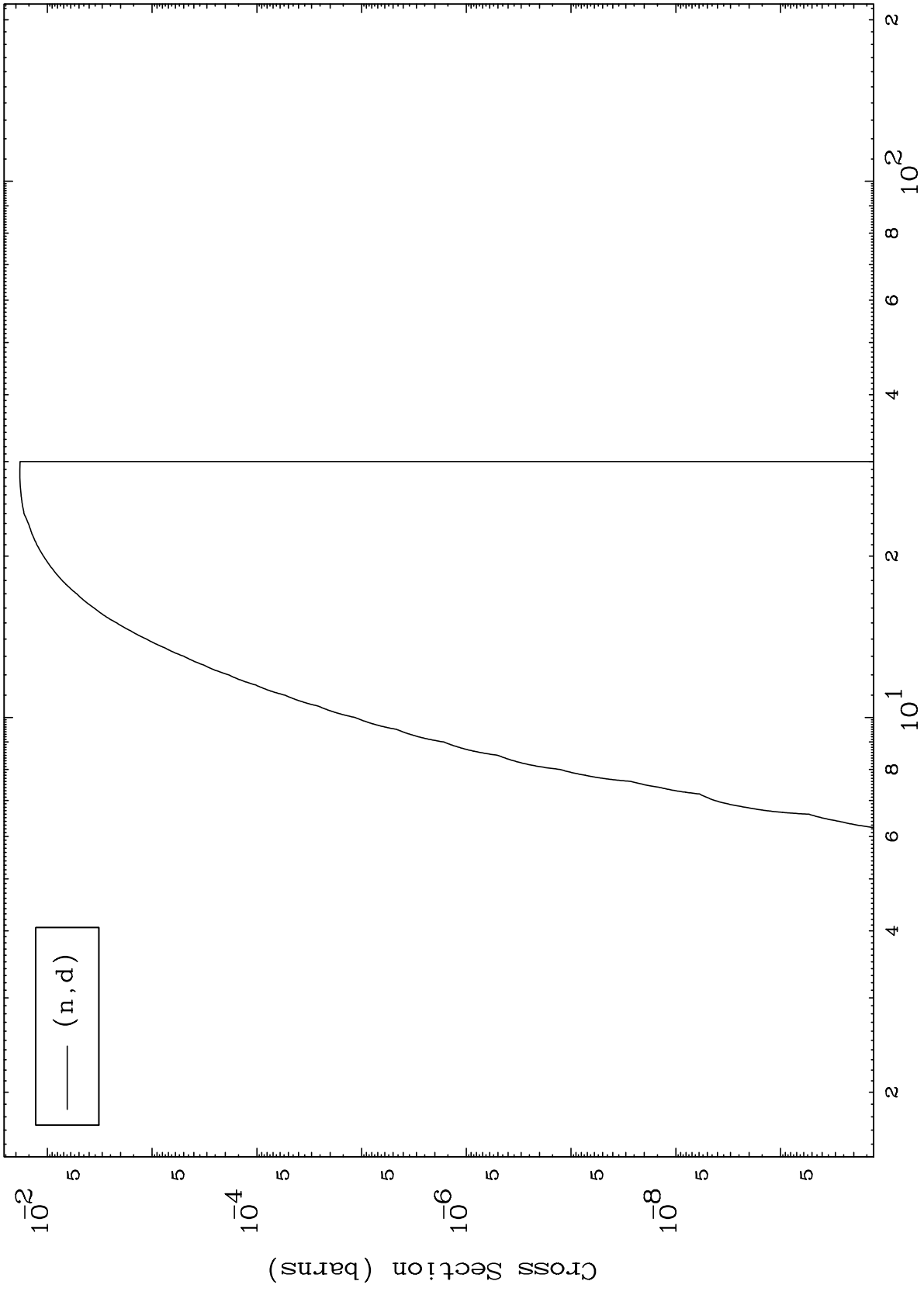
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-187



11

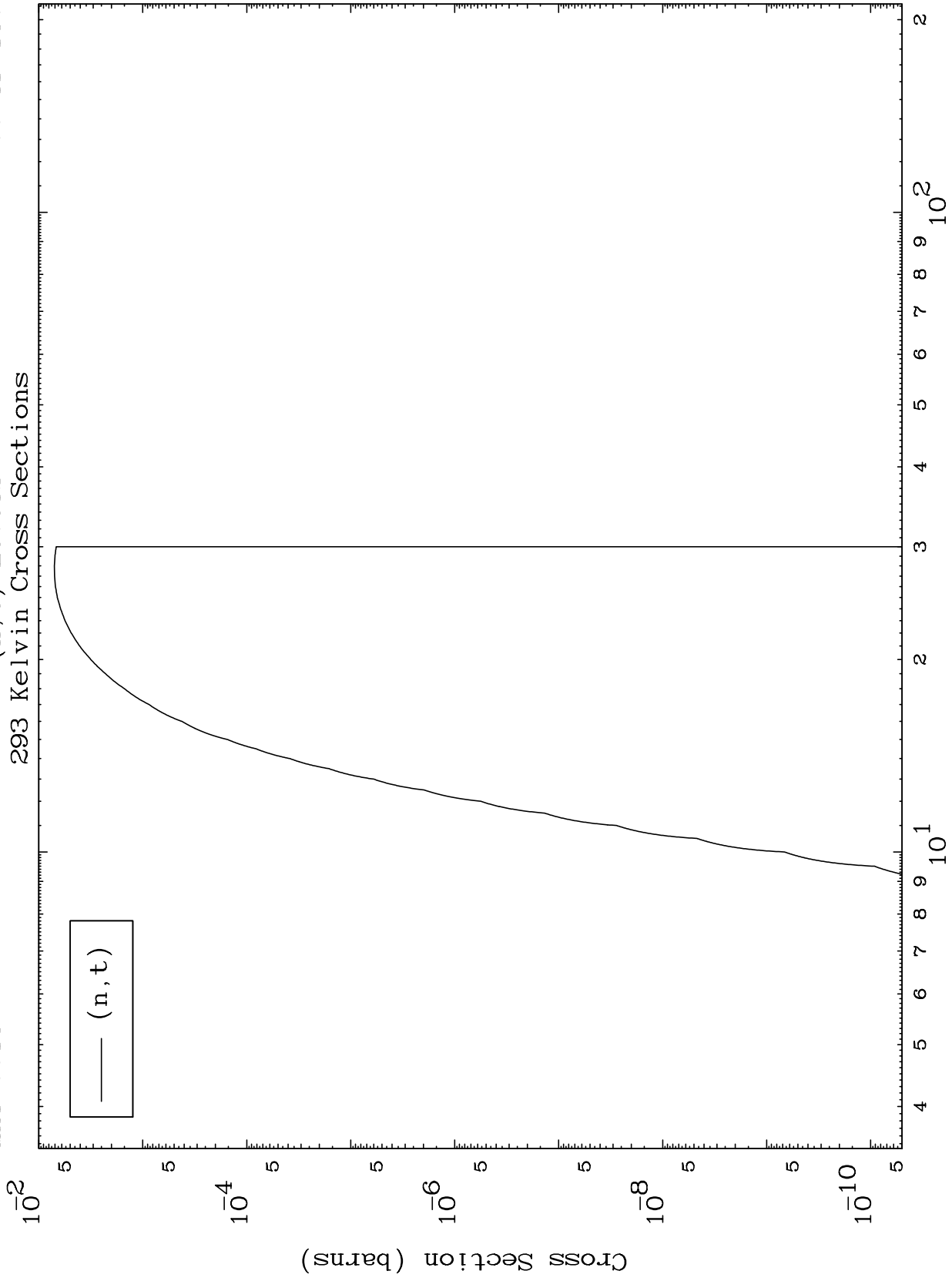
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-187



12

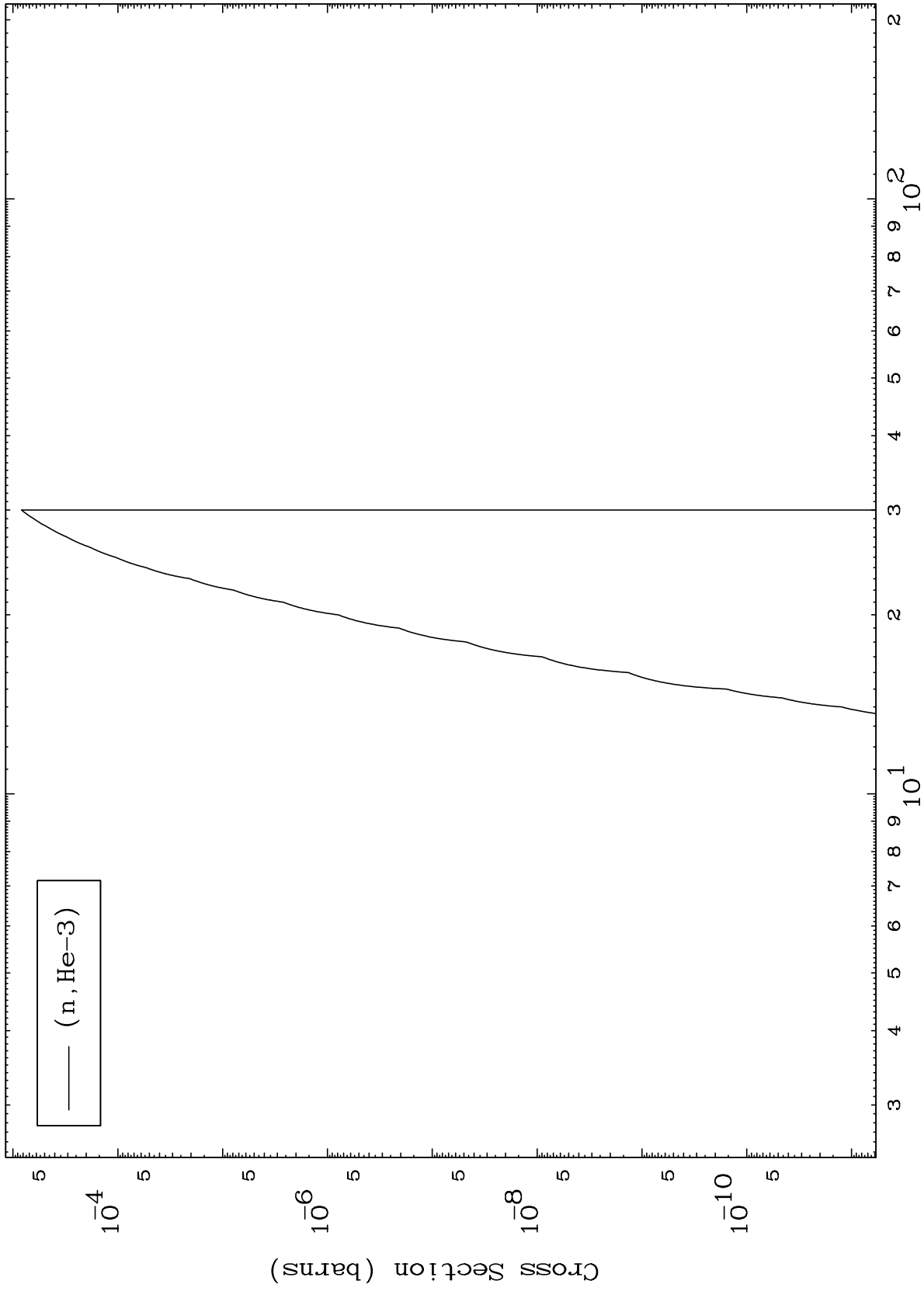
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-187



13

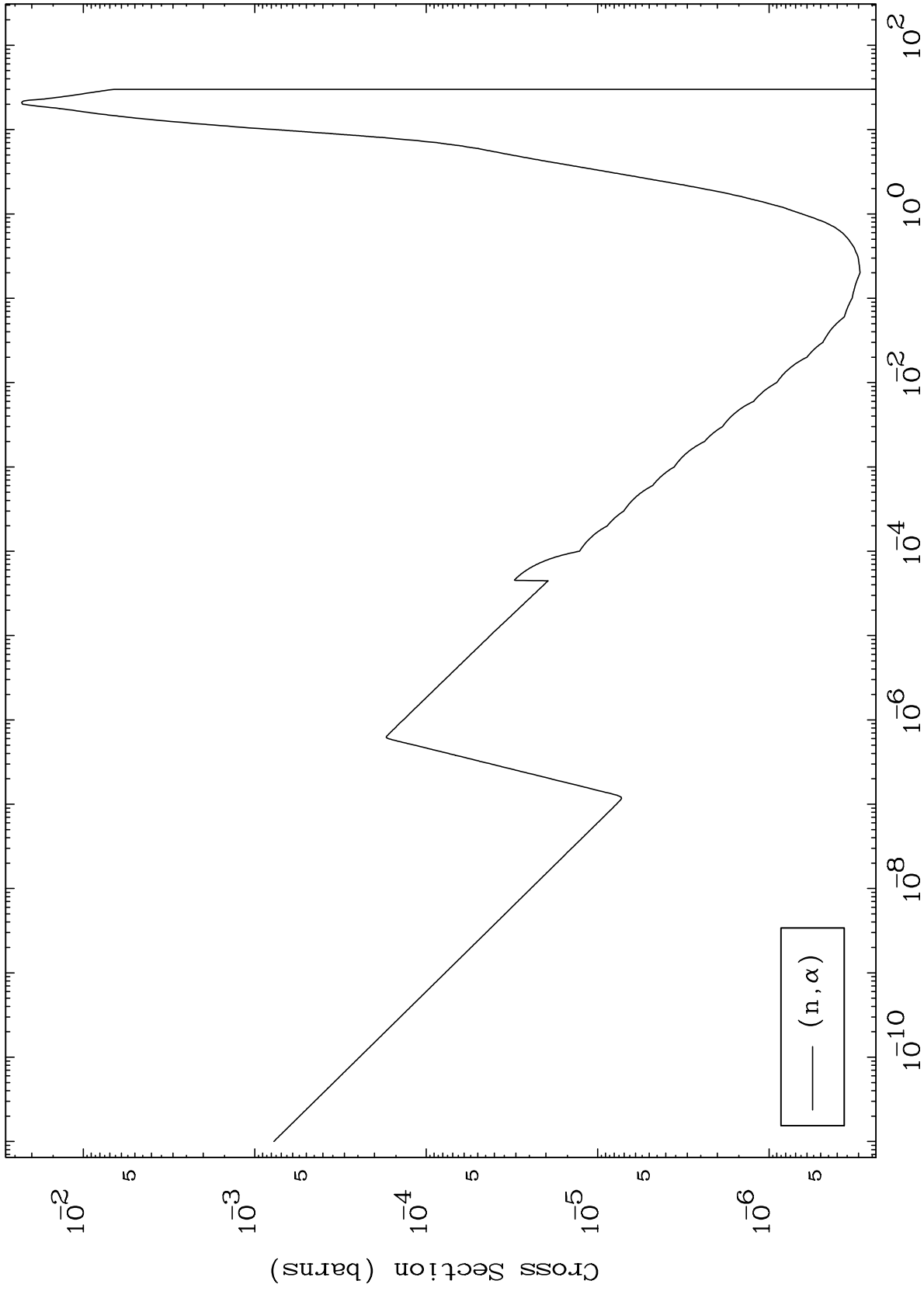
Incident Energy (MeV)

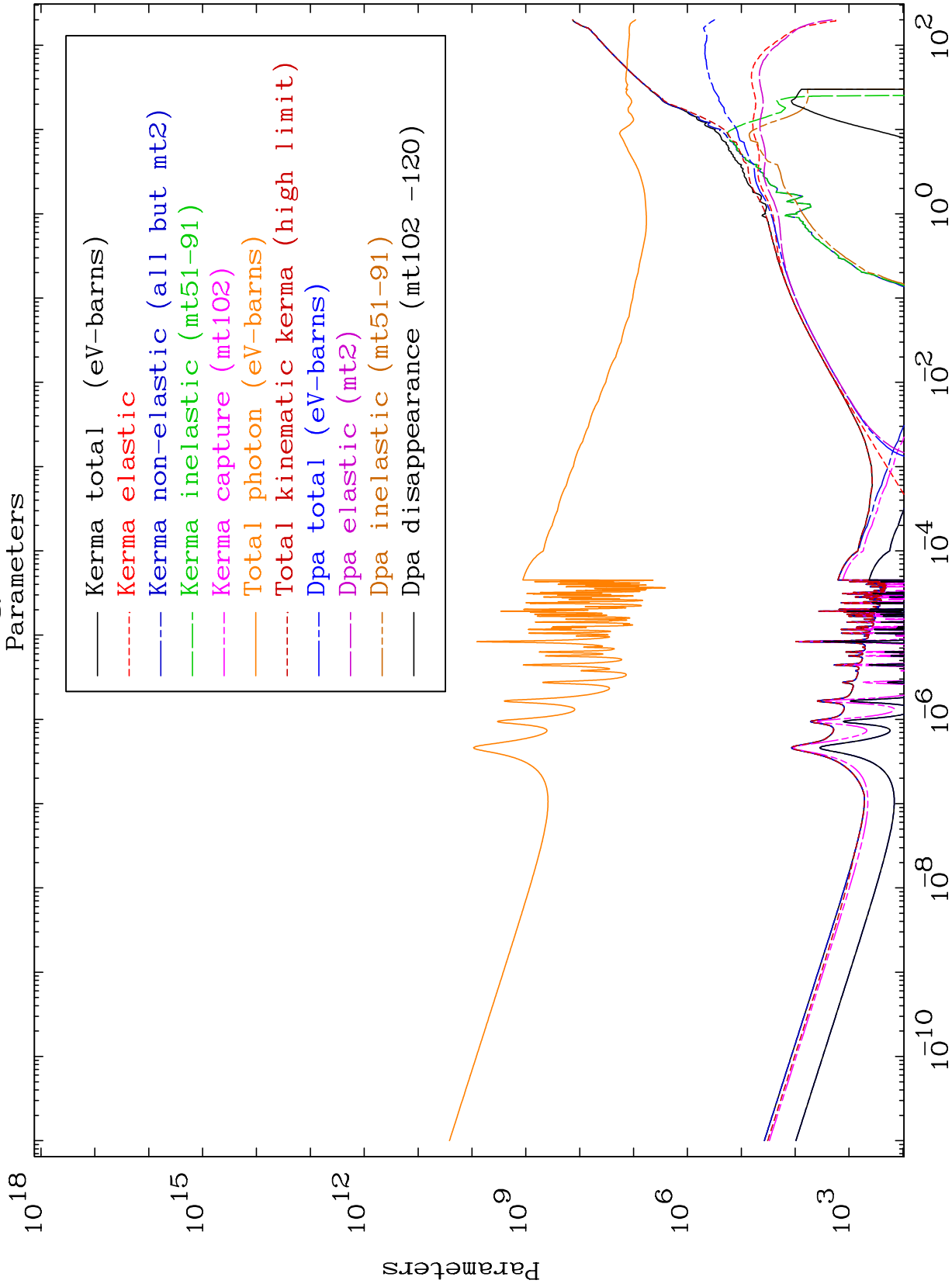
77-Ir-187

MAT 7713

(n, α) Levels
293 Kelvin Cross Sections

77-Ir-187

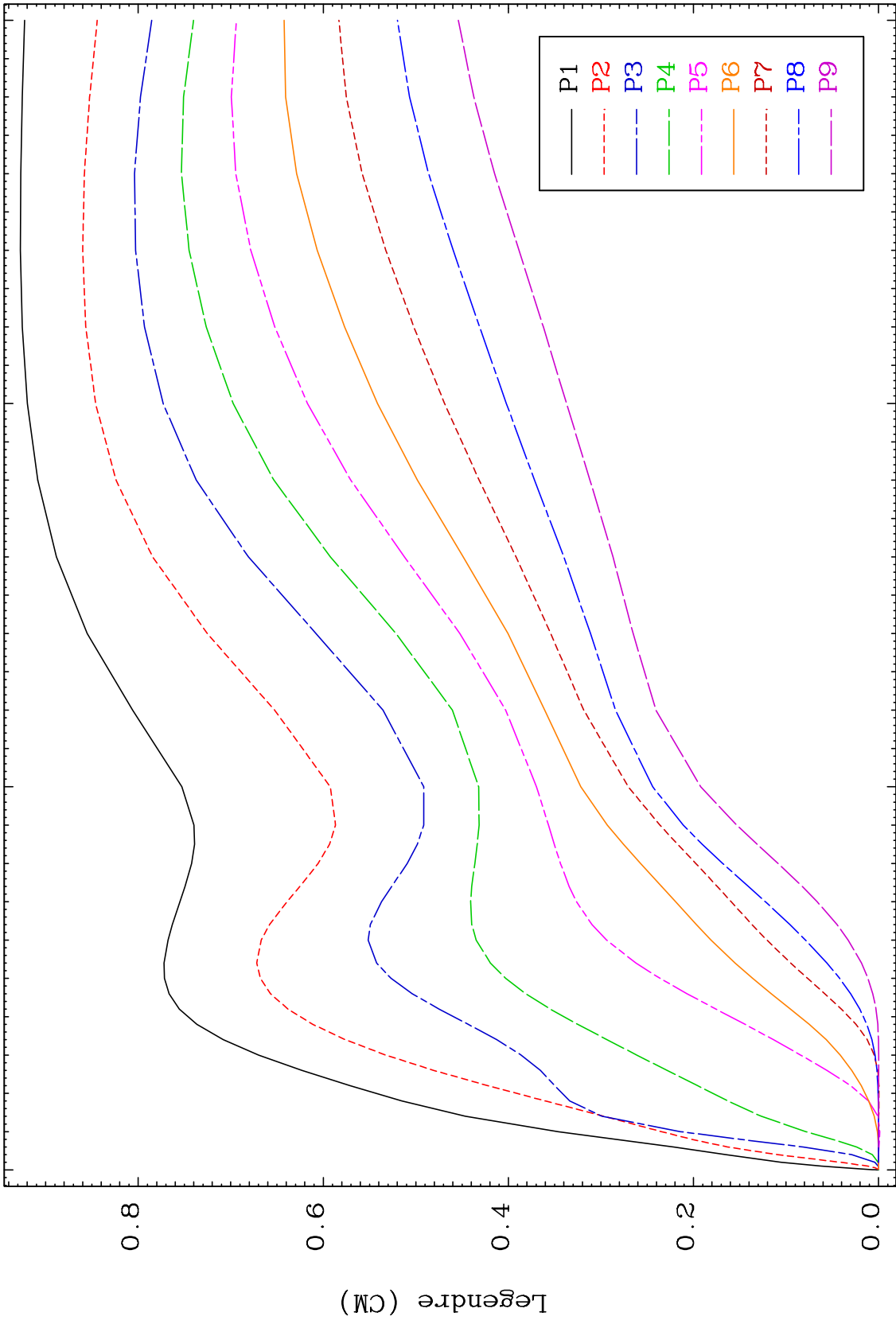




MAT 7713

Elastic Legendre Coefficients

77-Ir-187



16

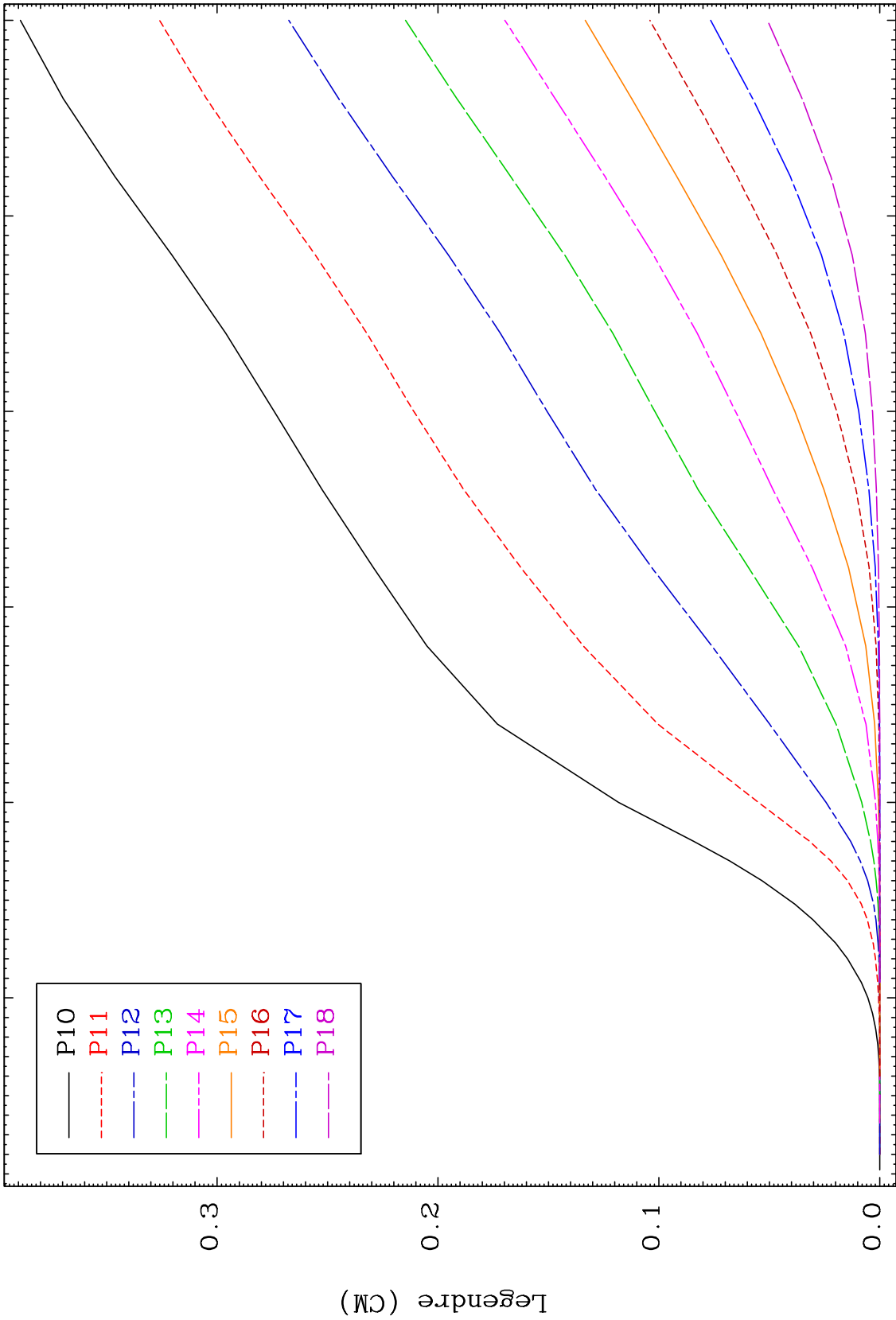
Incident Energy (MeV)

77-Ir-187

MAT 7713

Elastic Legendre Coefficients

77-Ir-187



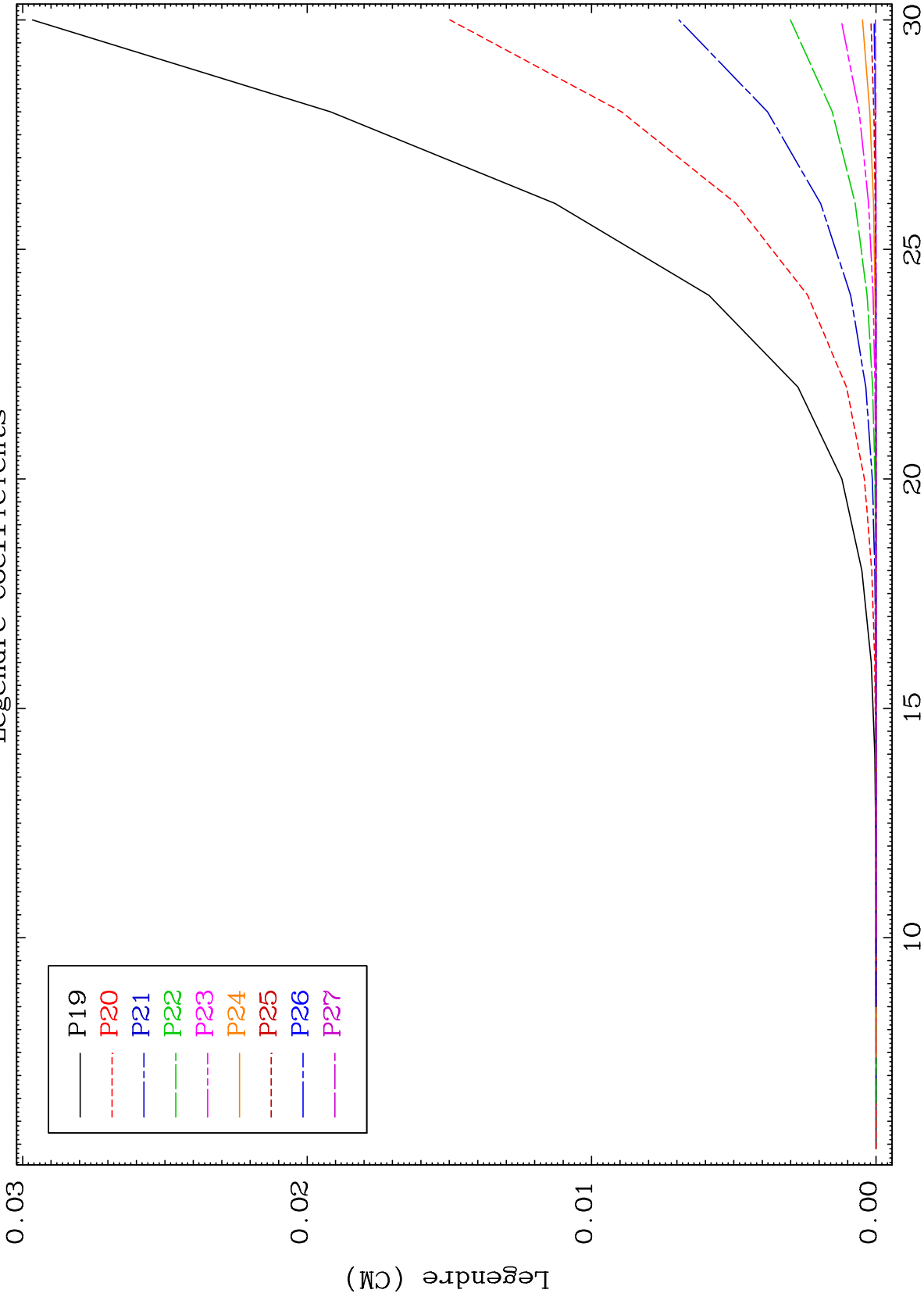
17

77-Ir-187

MAT 7713

Elastic Legendre Coefficients

77-Ir-187



18

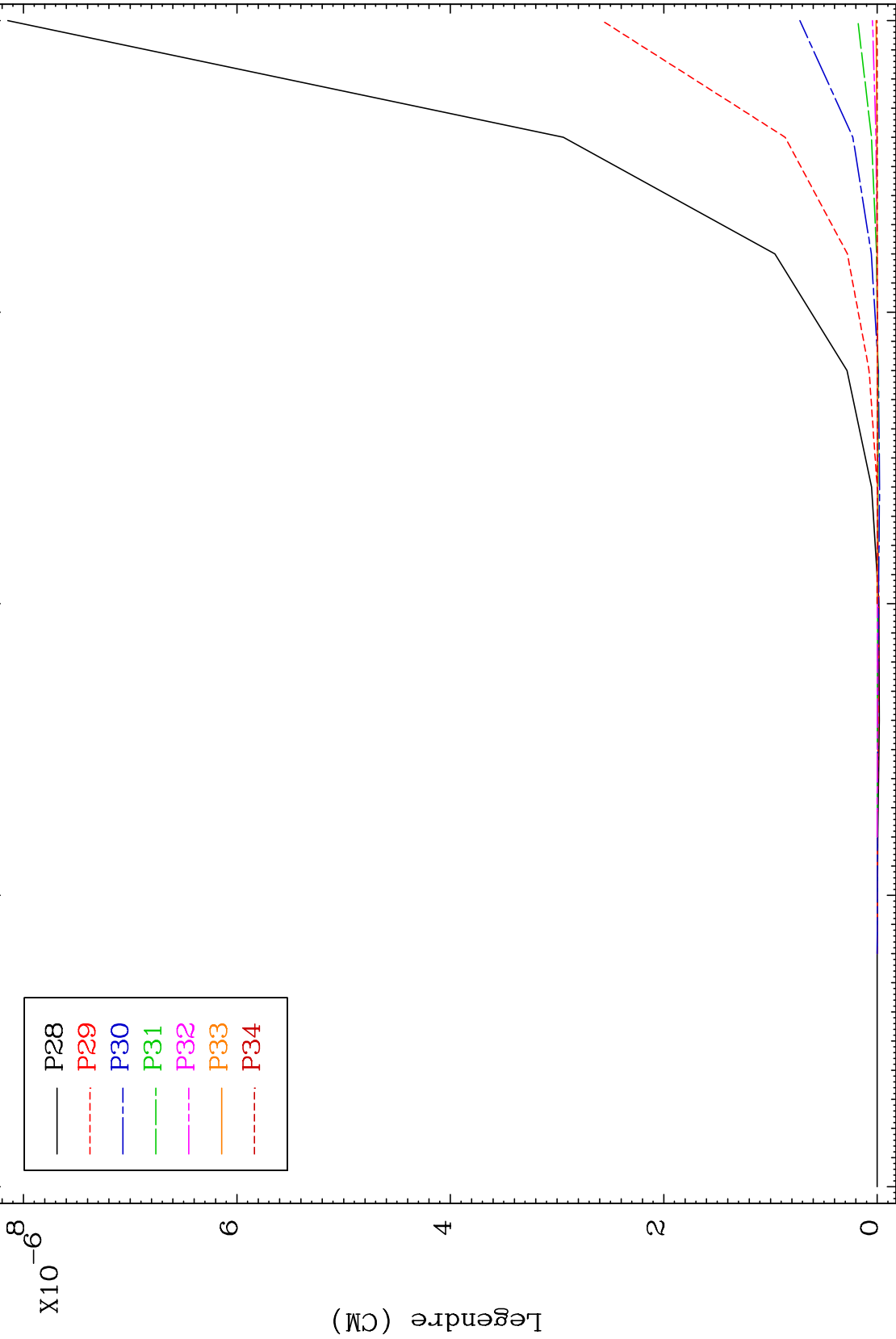
Incident Energy (MeV)

77-Ir-187

MAT 7713

Elastic Legendre Coefficients

77-Ir-187



19

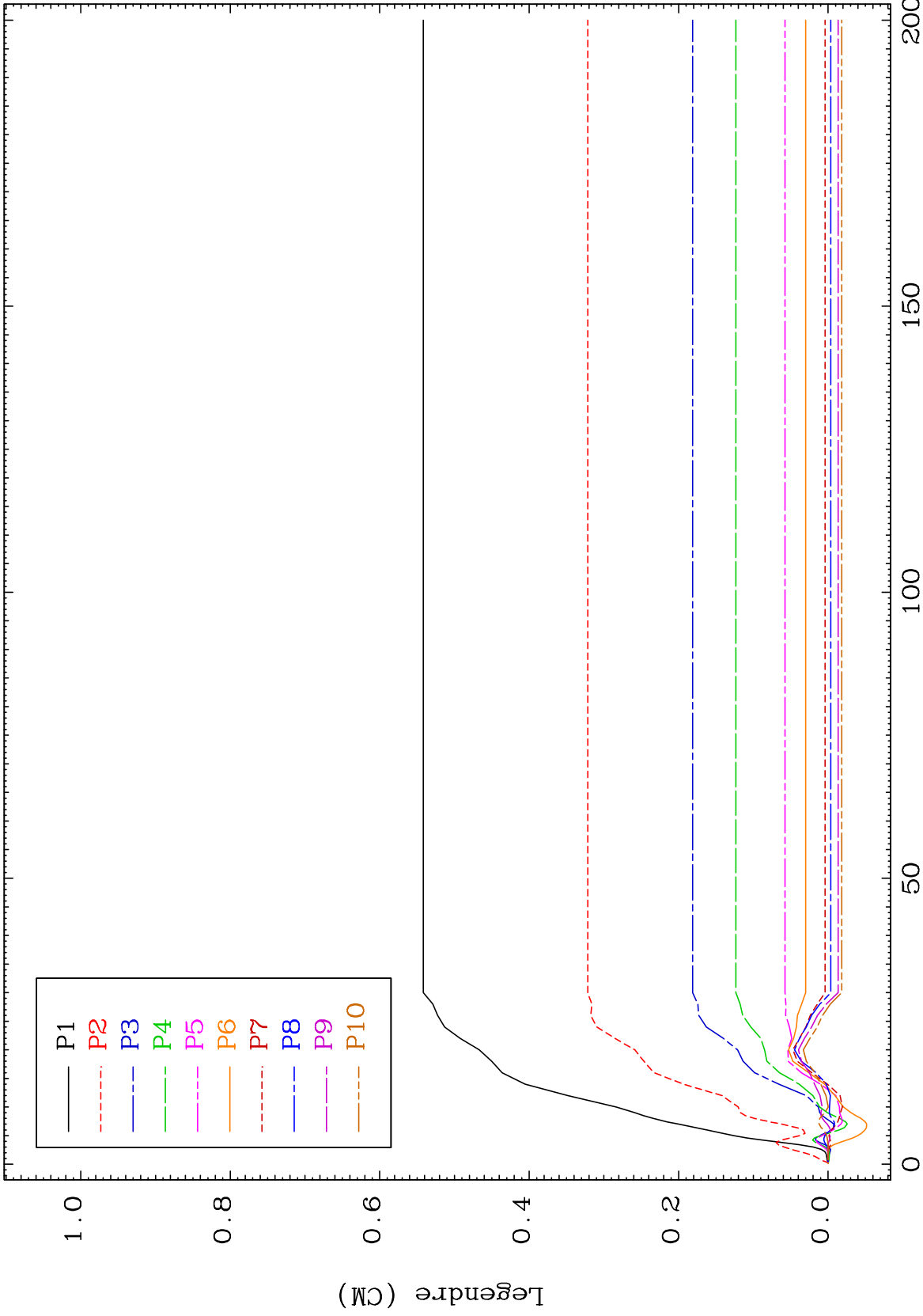
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



20

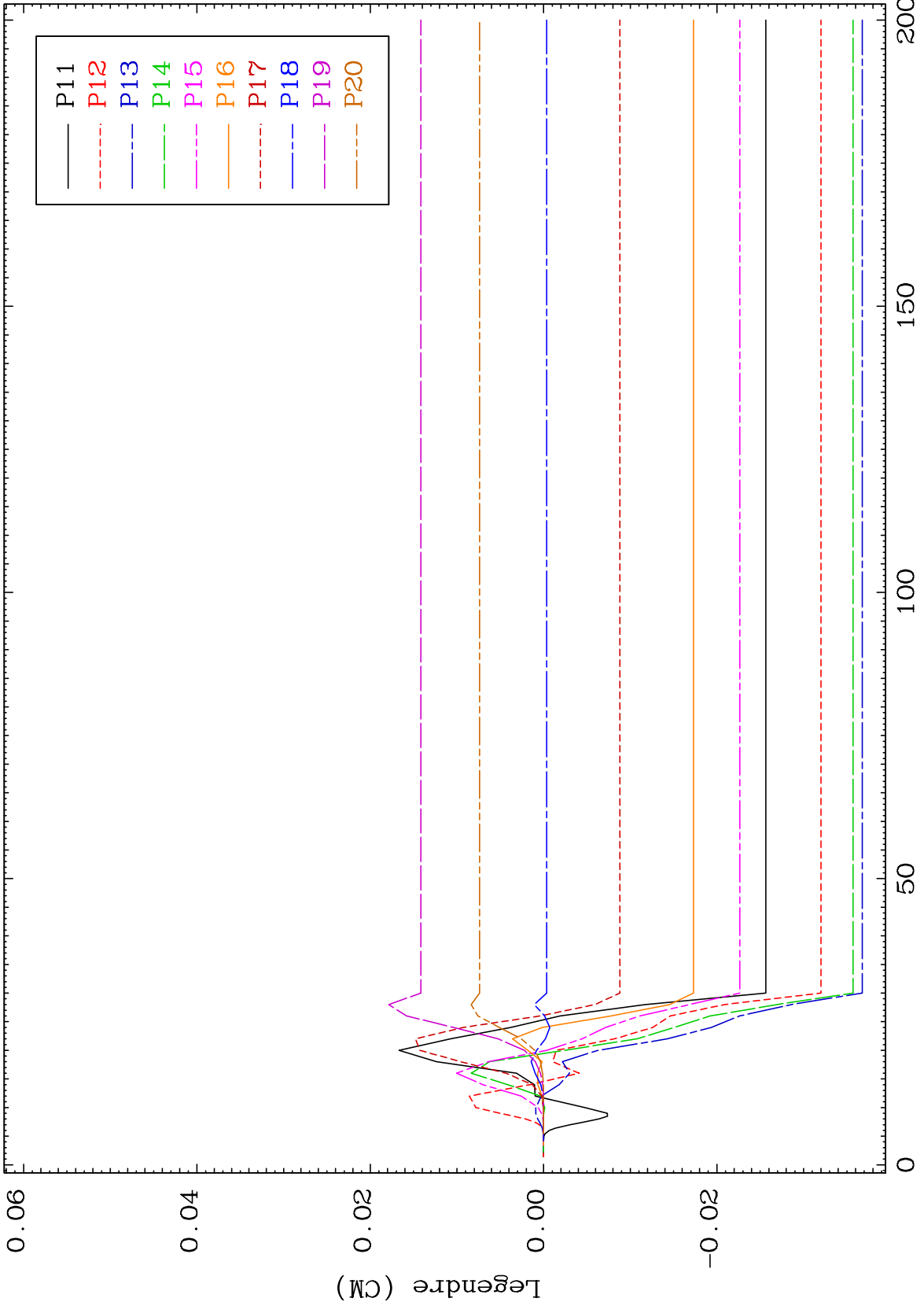
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



21

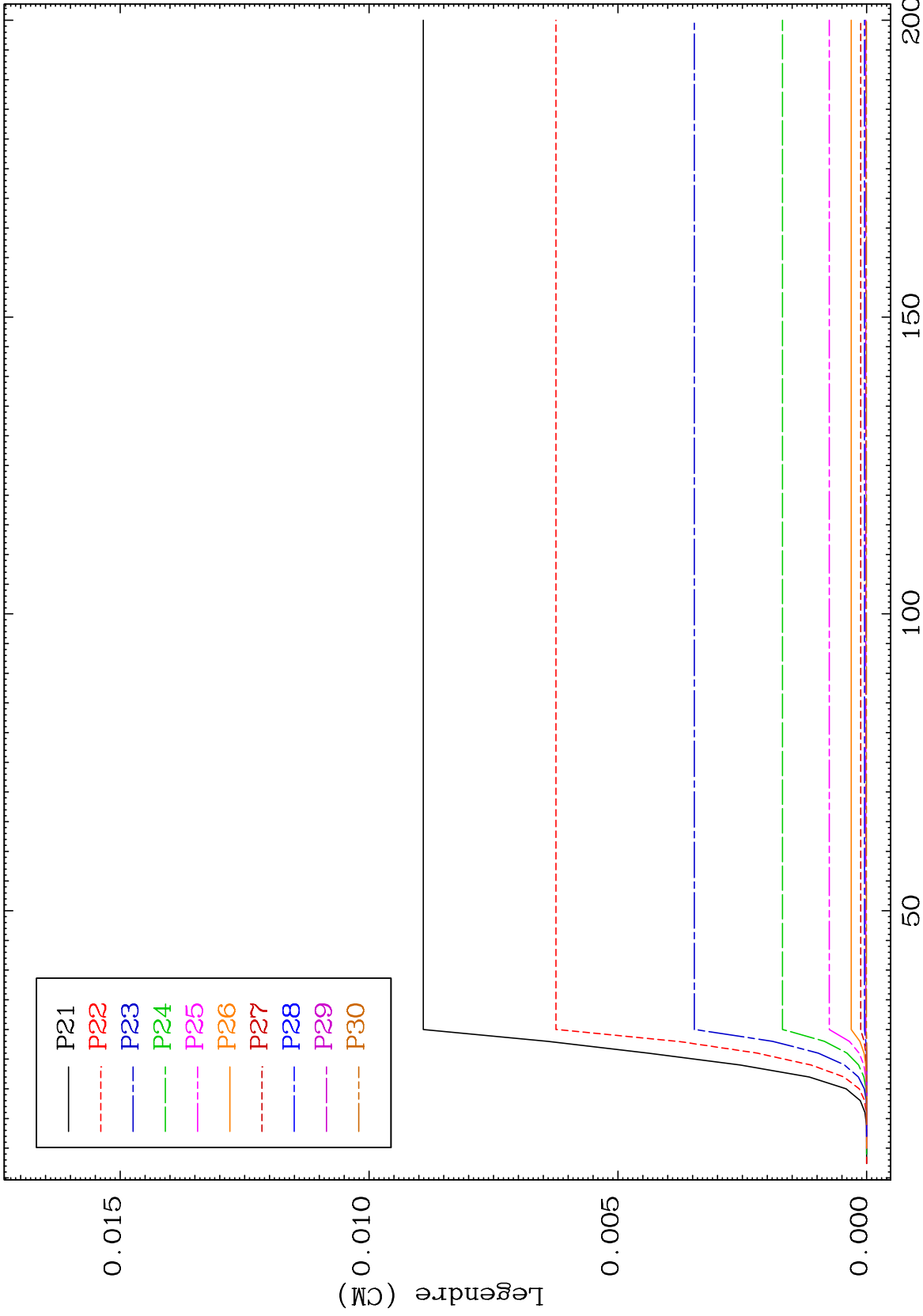
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



22

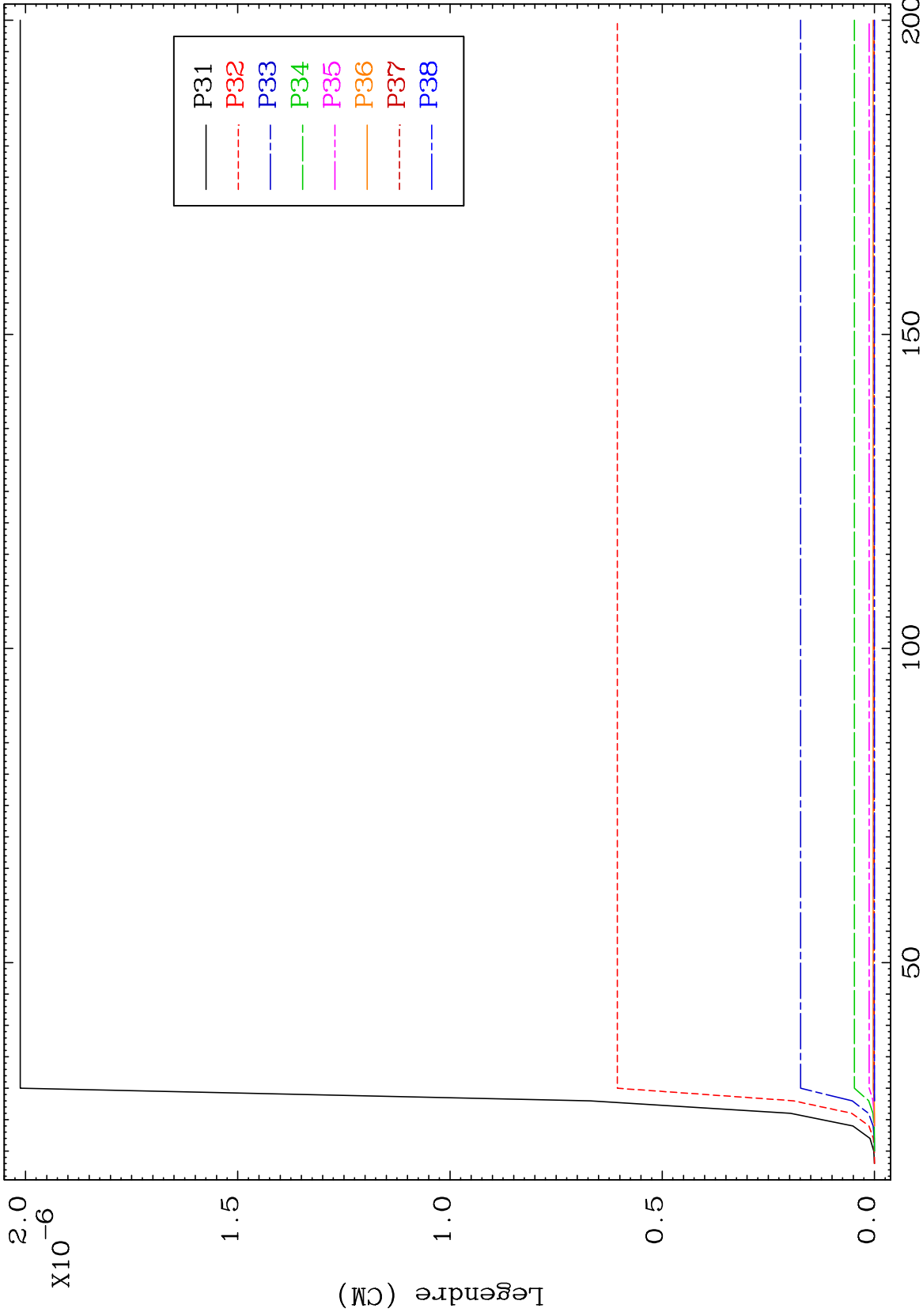
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



23

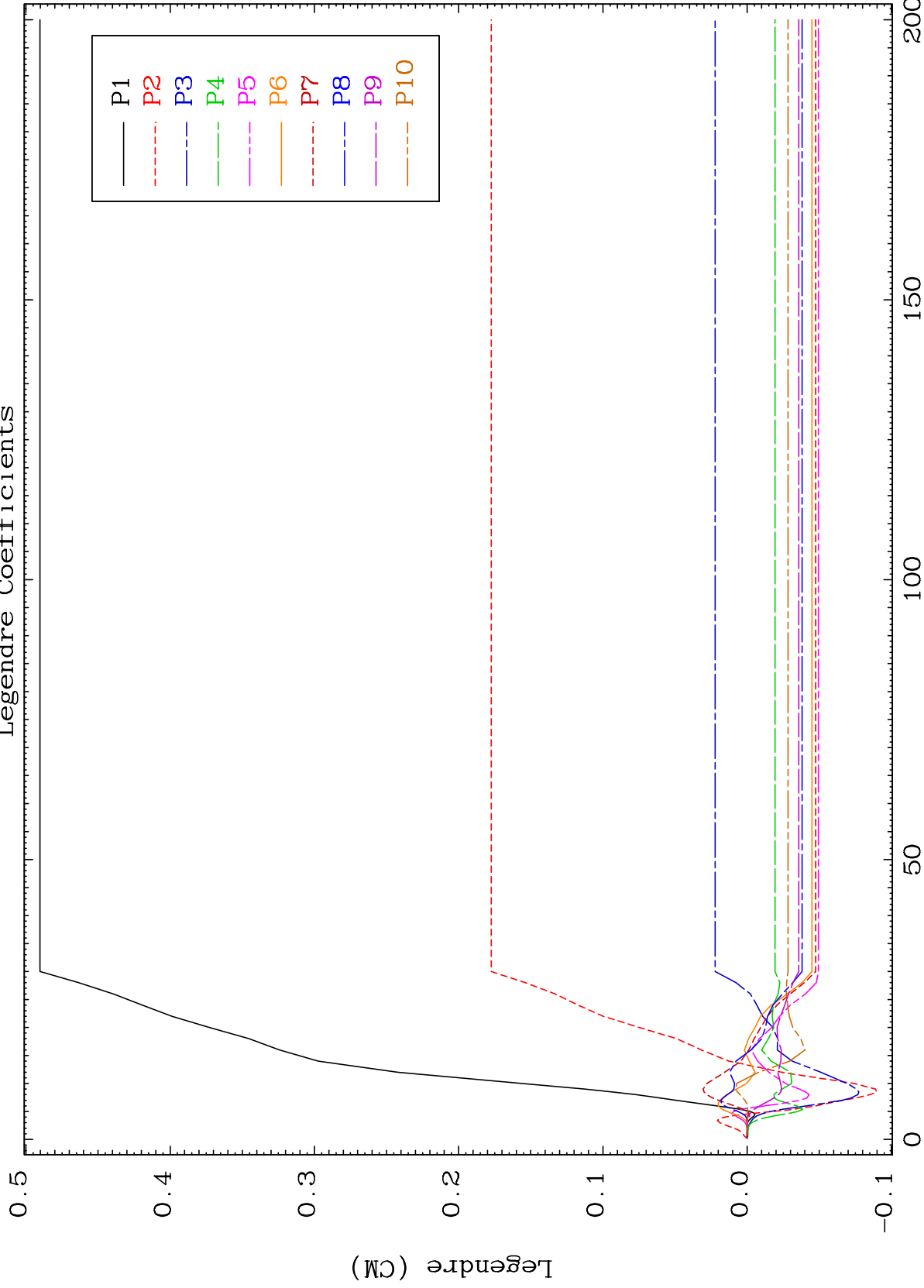
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187

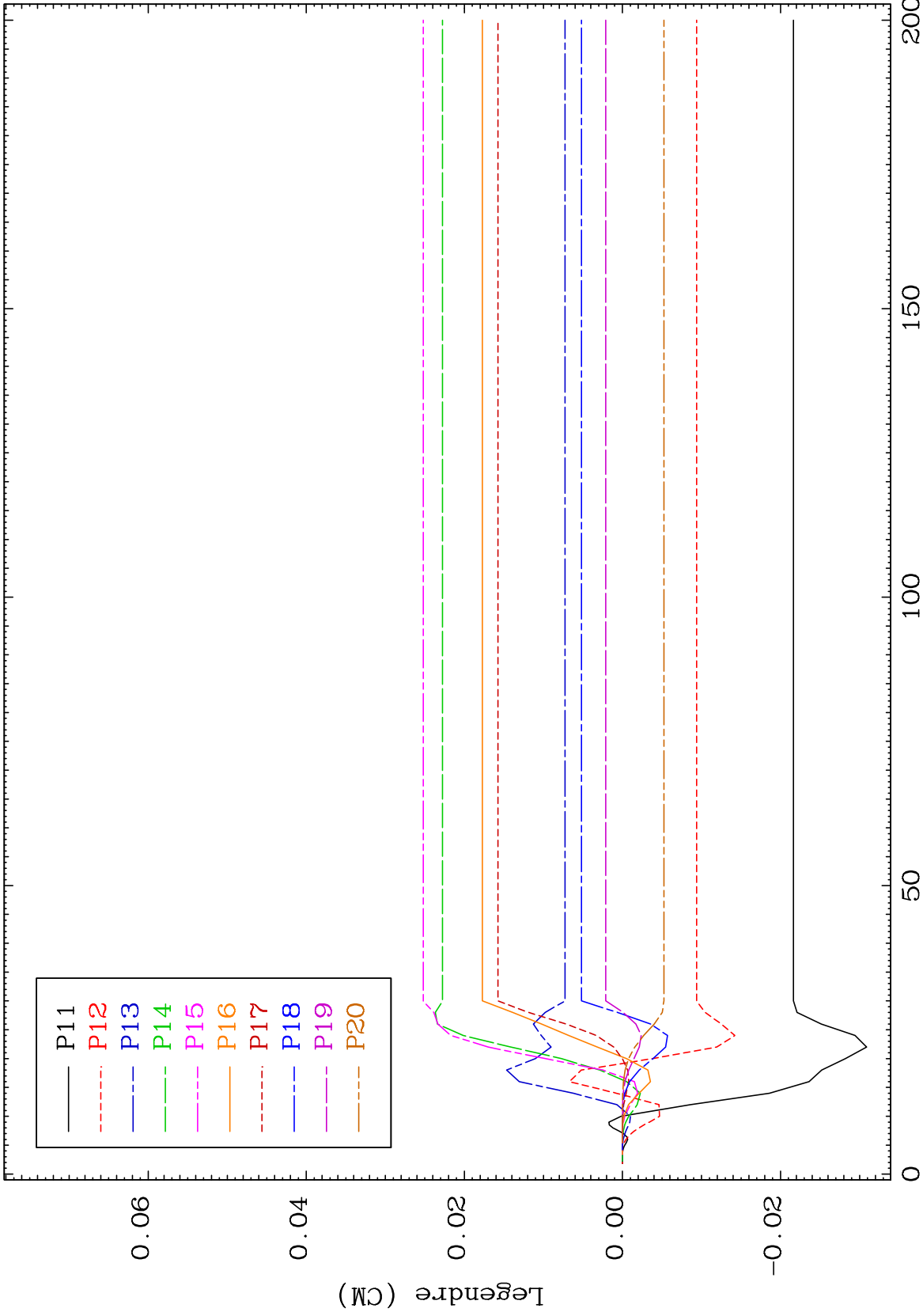


24

MAT 7713

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

77-Ir-187



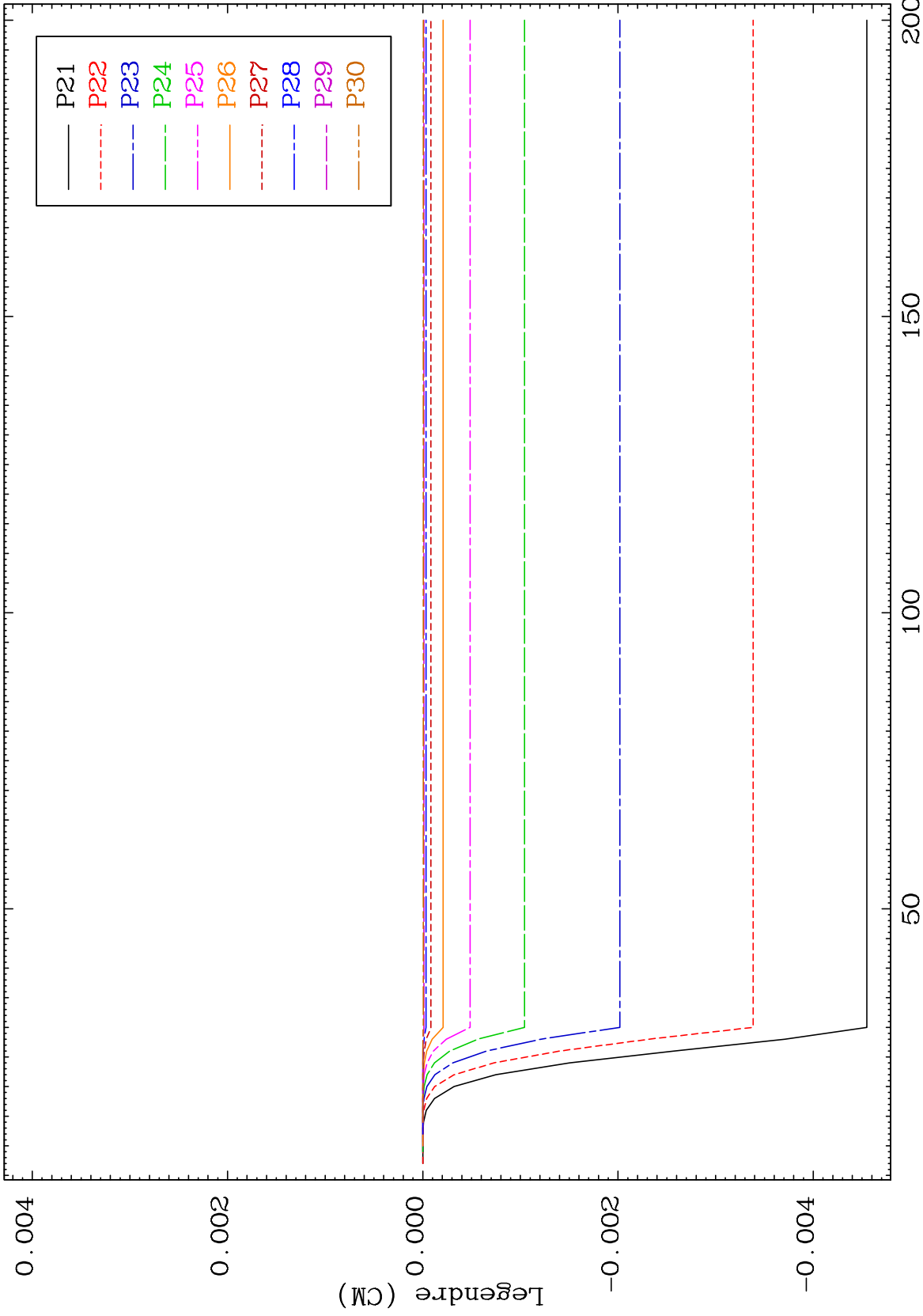
25

77-Ir-187

MAT 7713

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

77-Ir-187



26

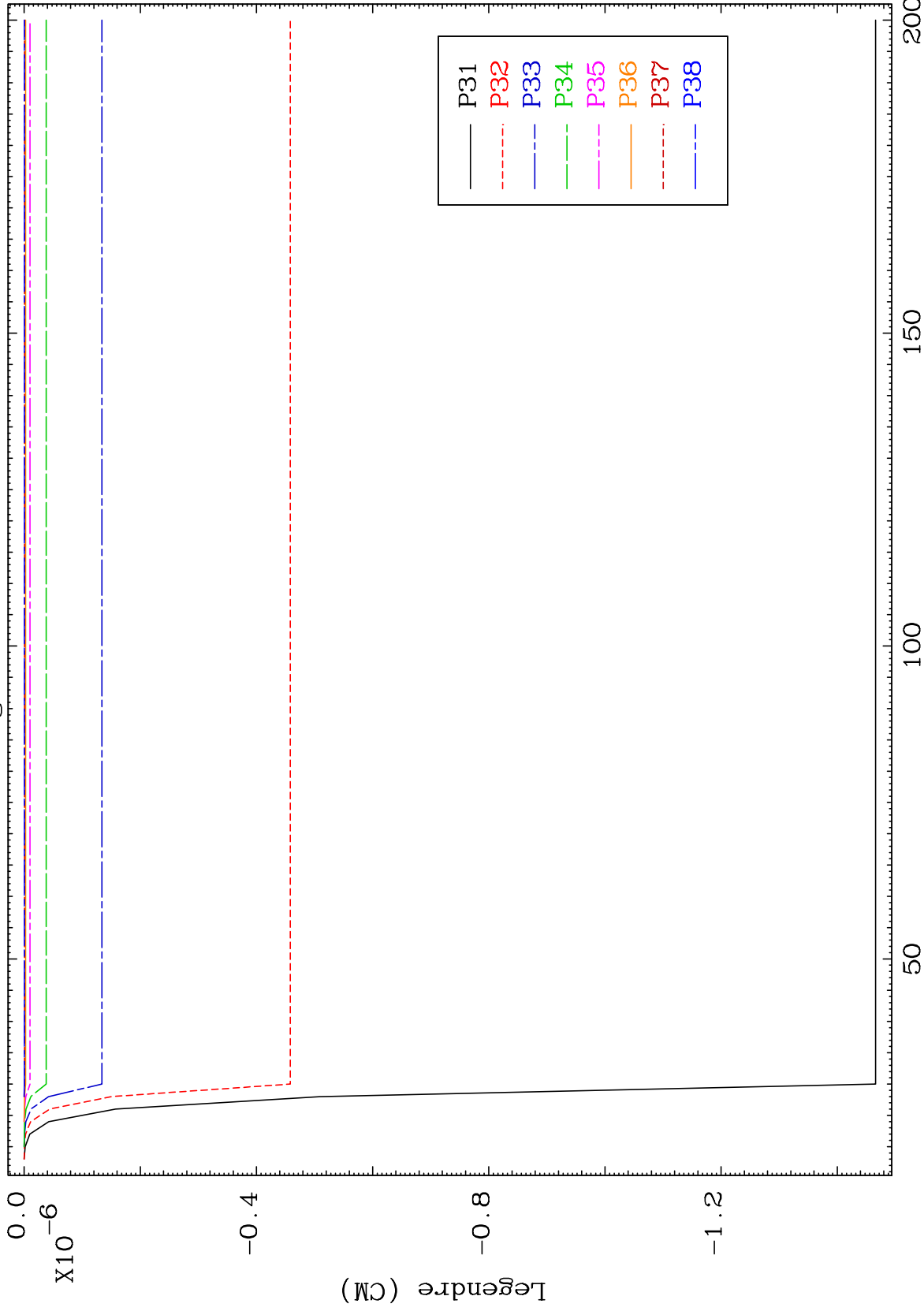
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



27

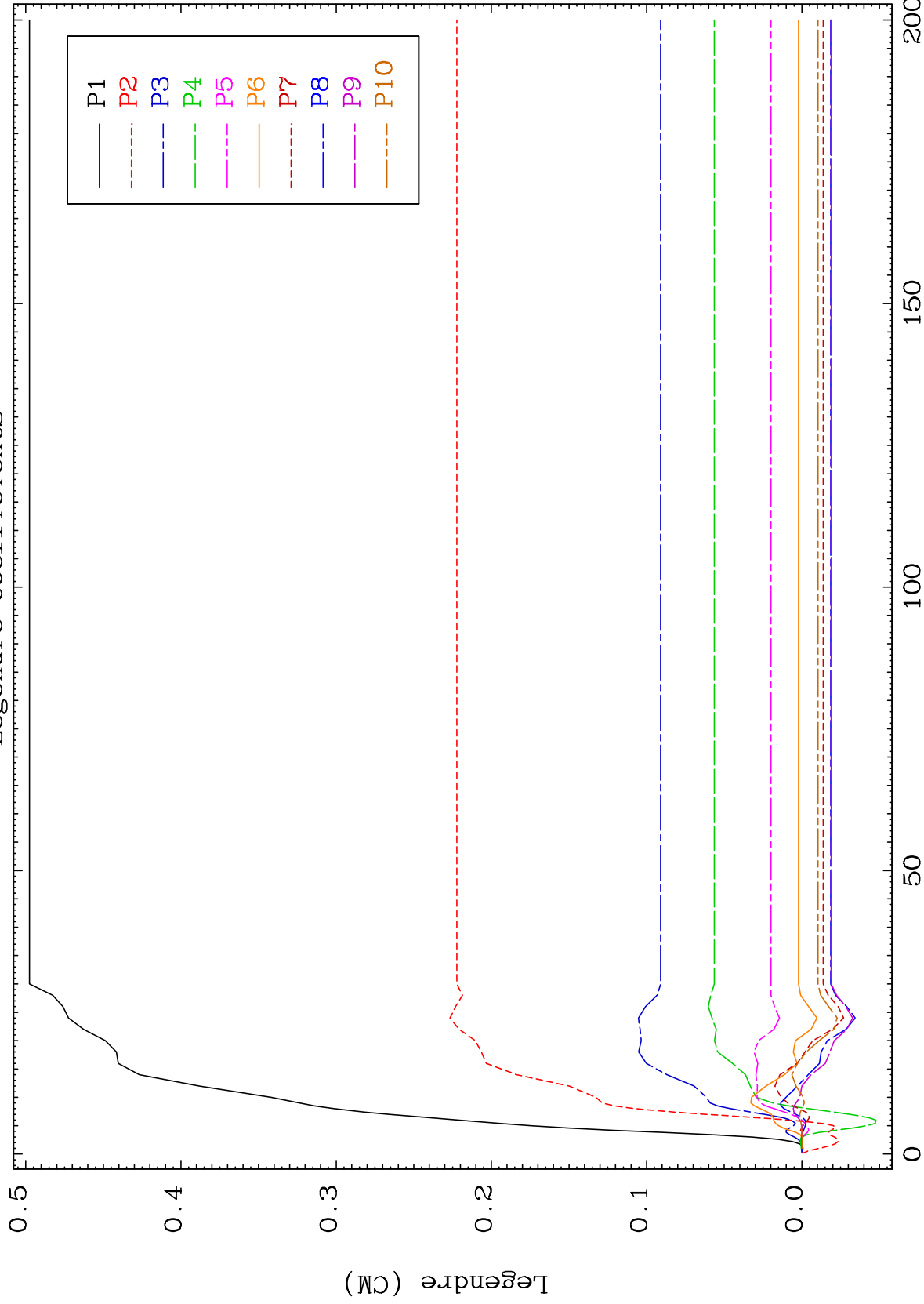
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



28

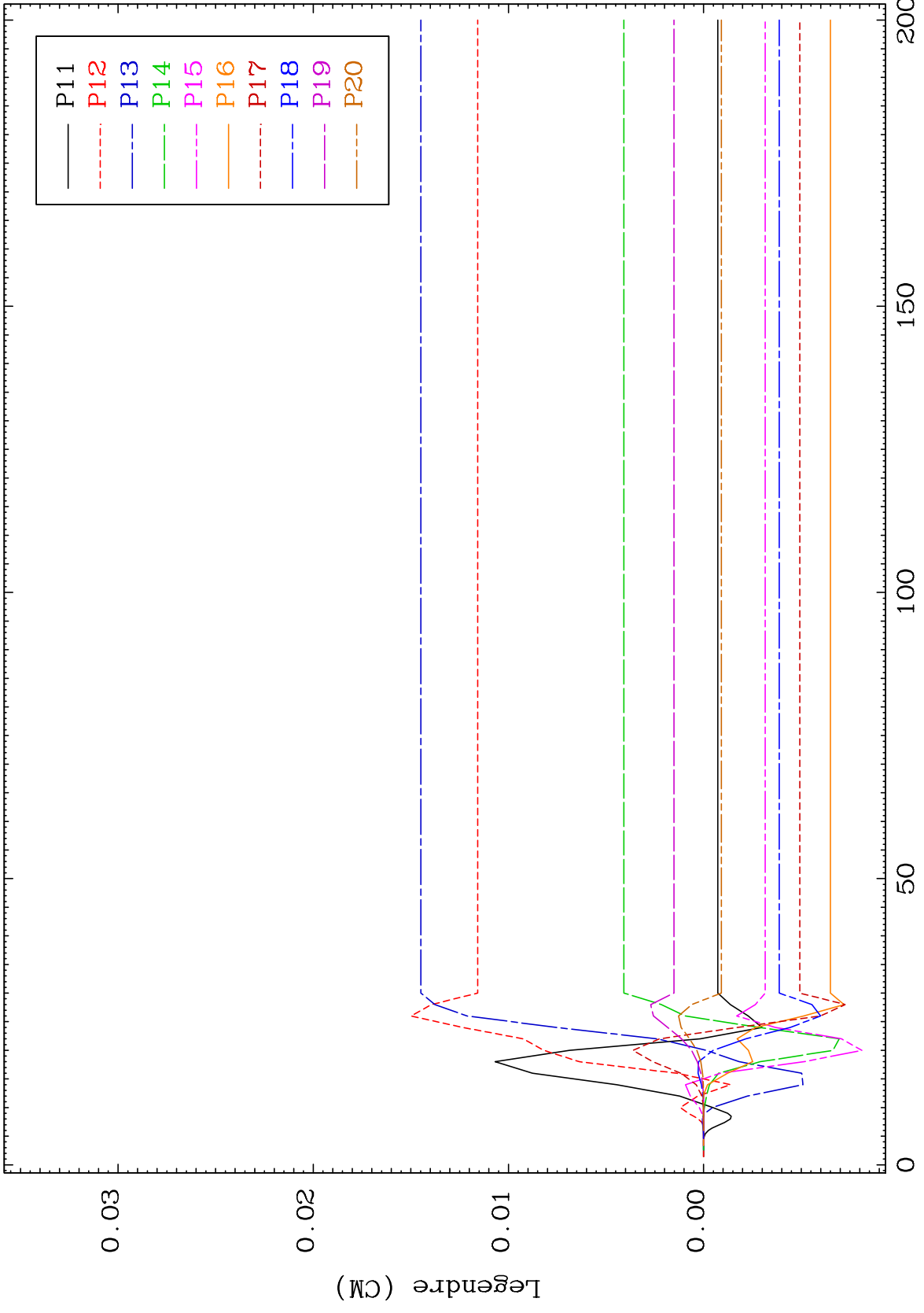
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



29

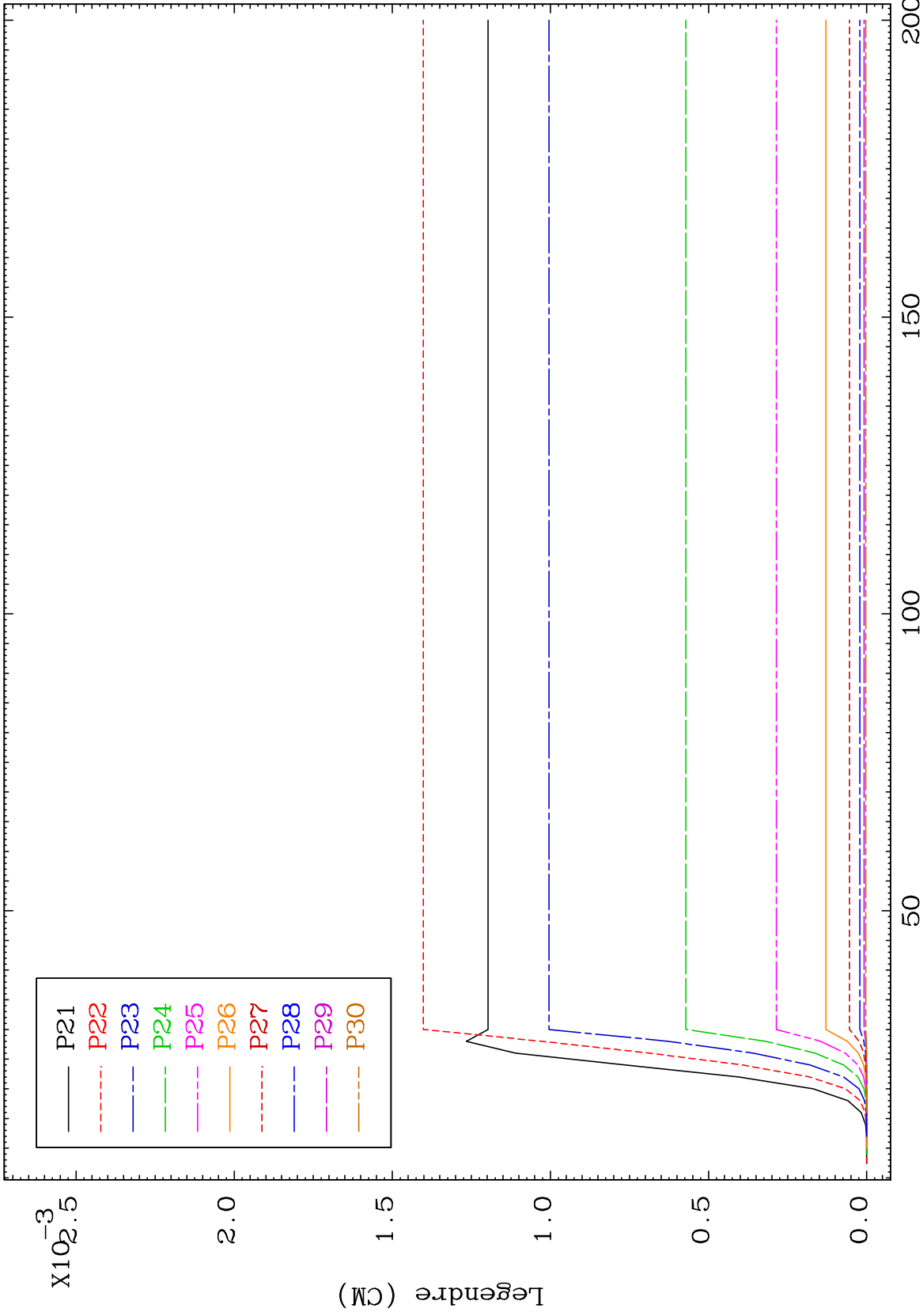
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



30

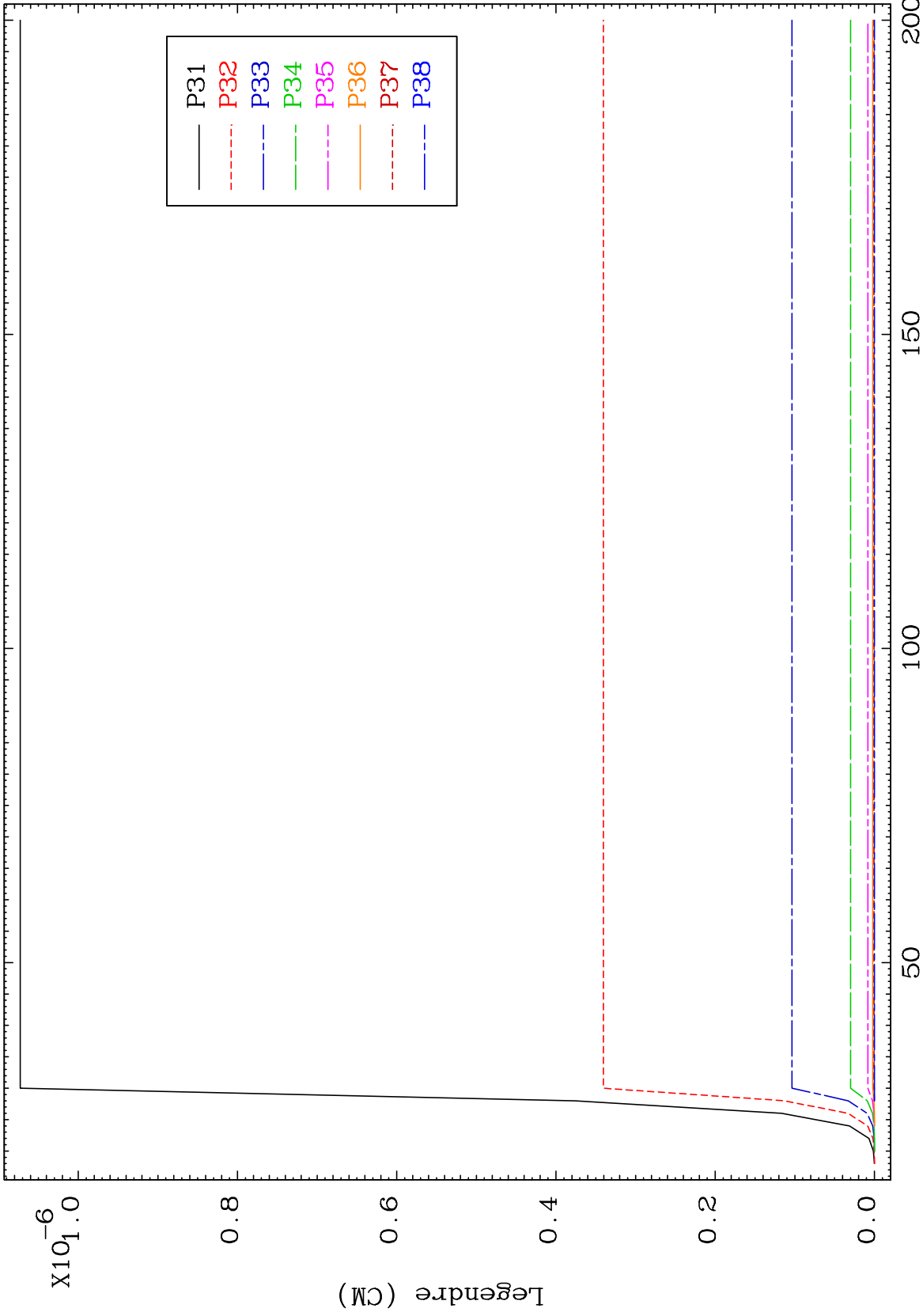
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



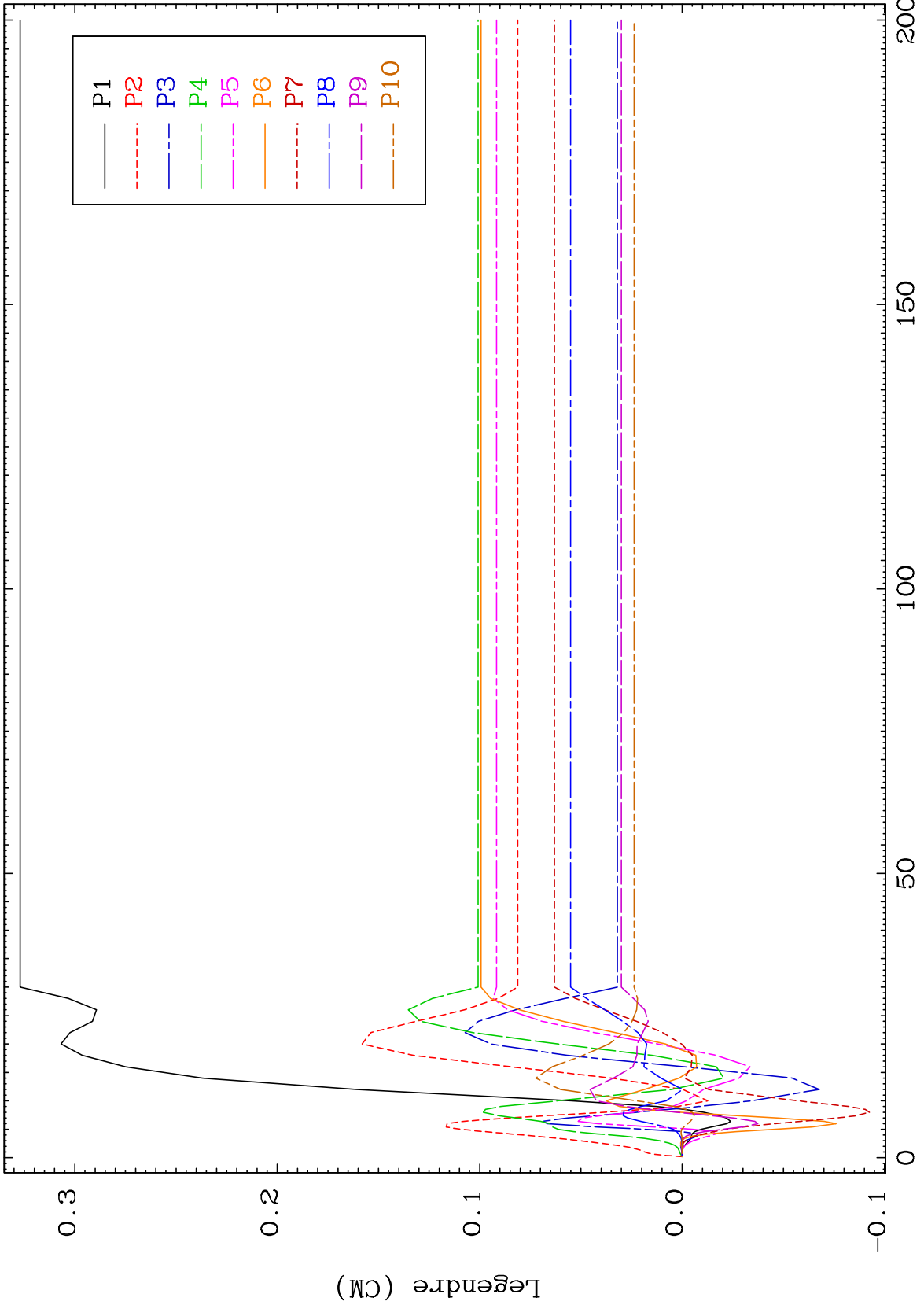
31

77-Ir-187

MAT 7713

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

77-Ir-187



32

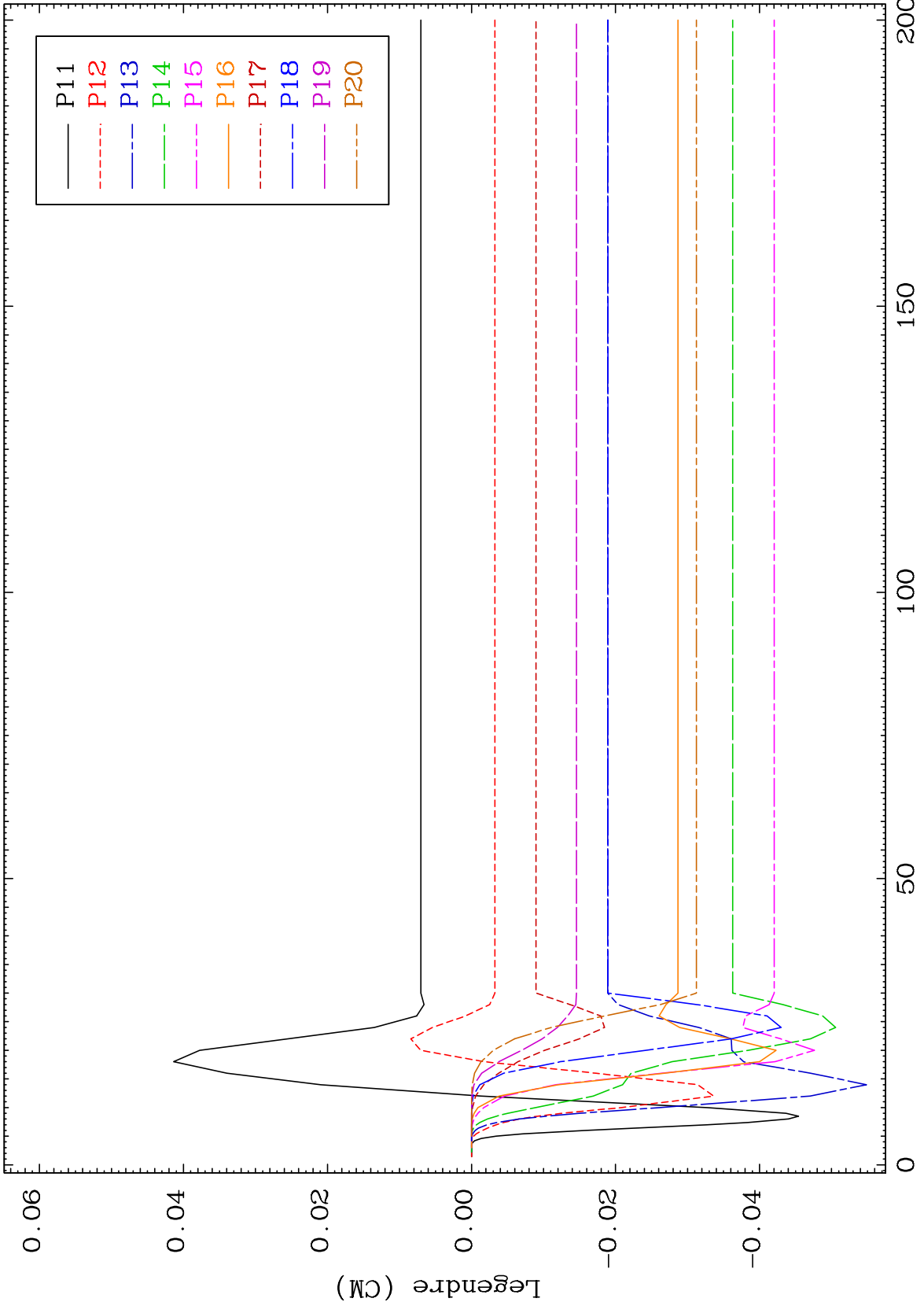
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



33

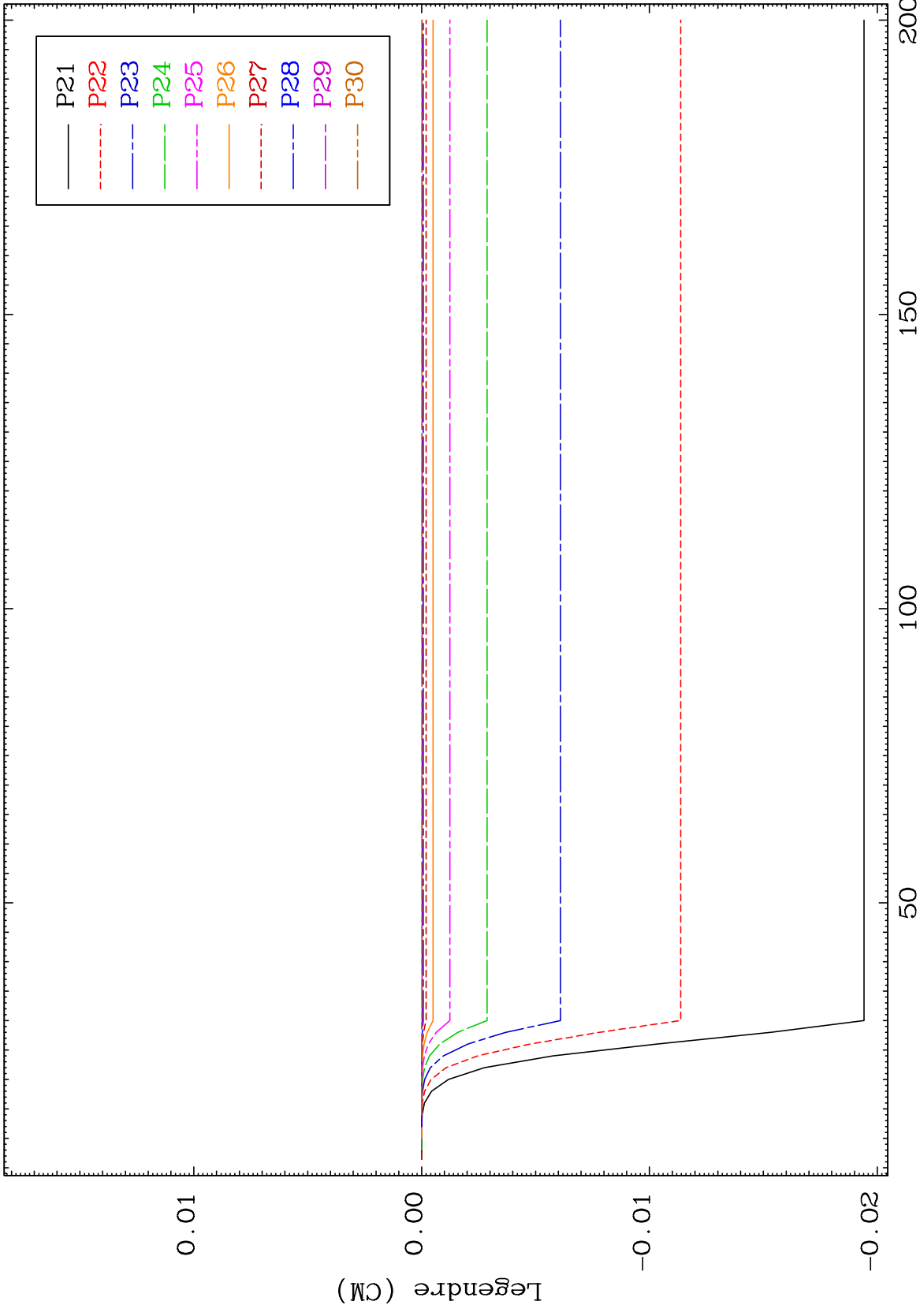
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



34

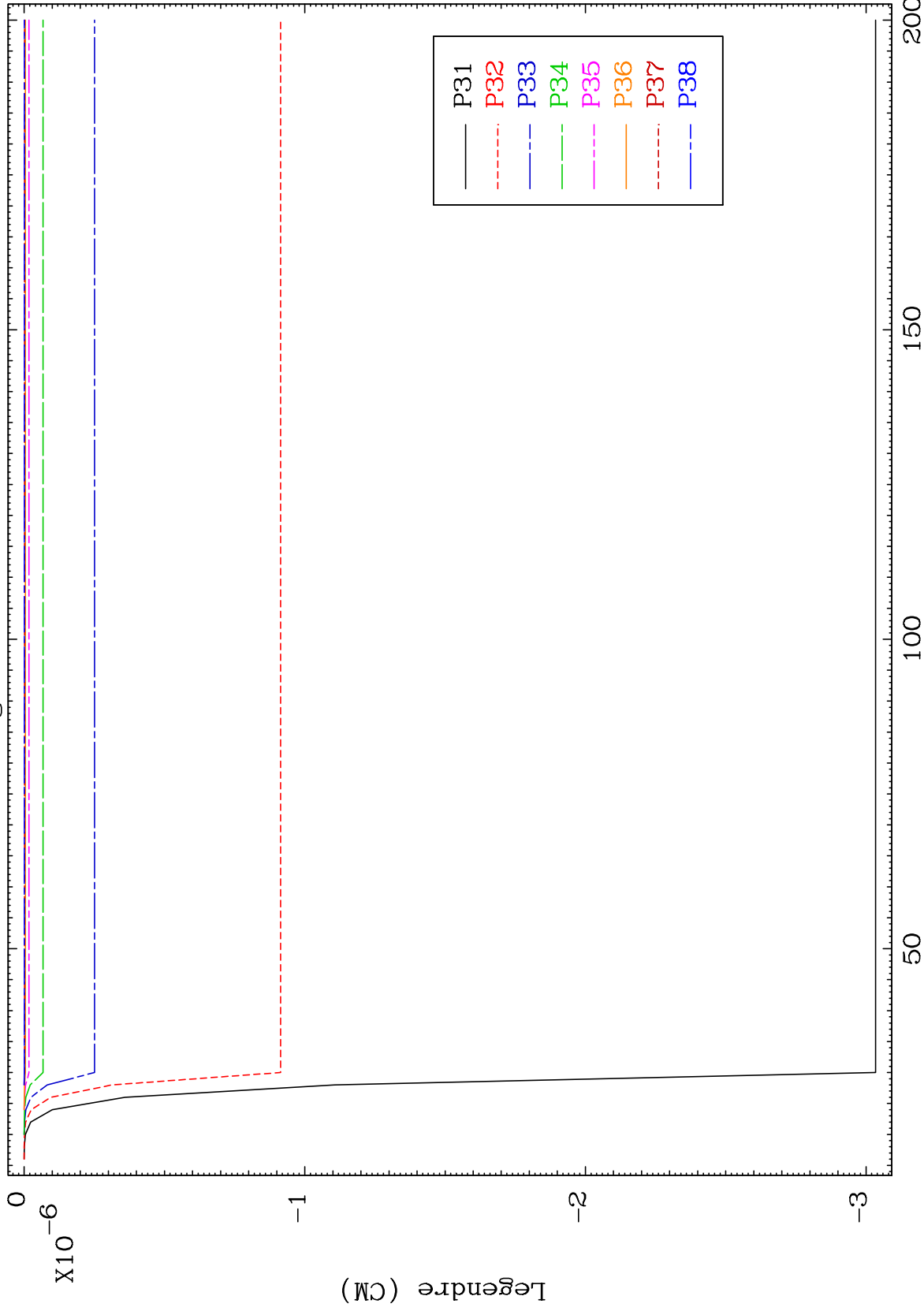
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



35

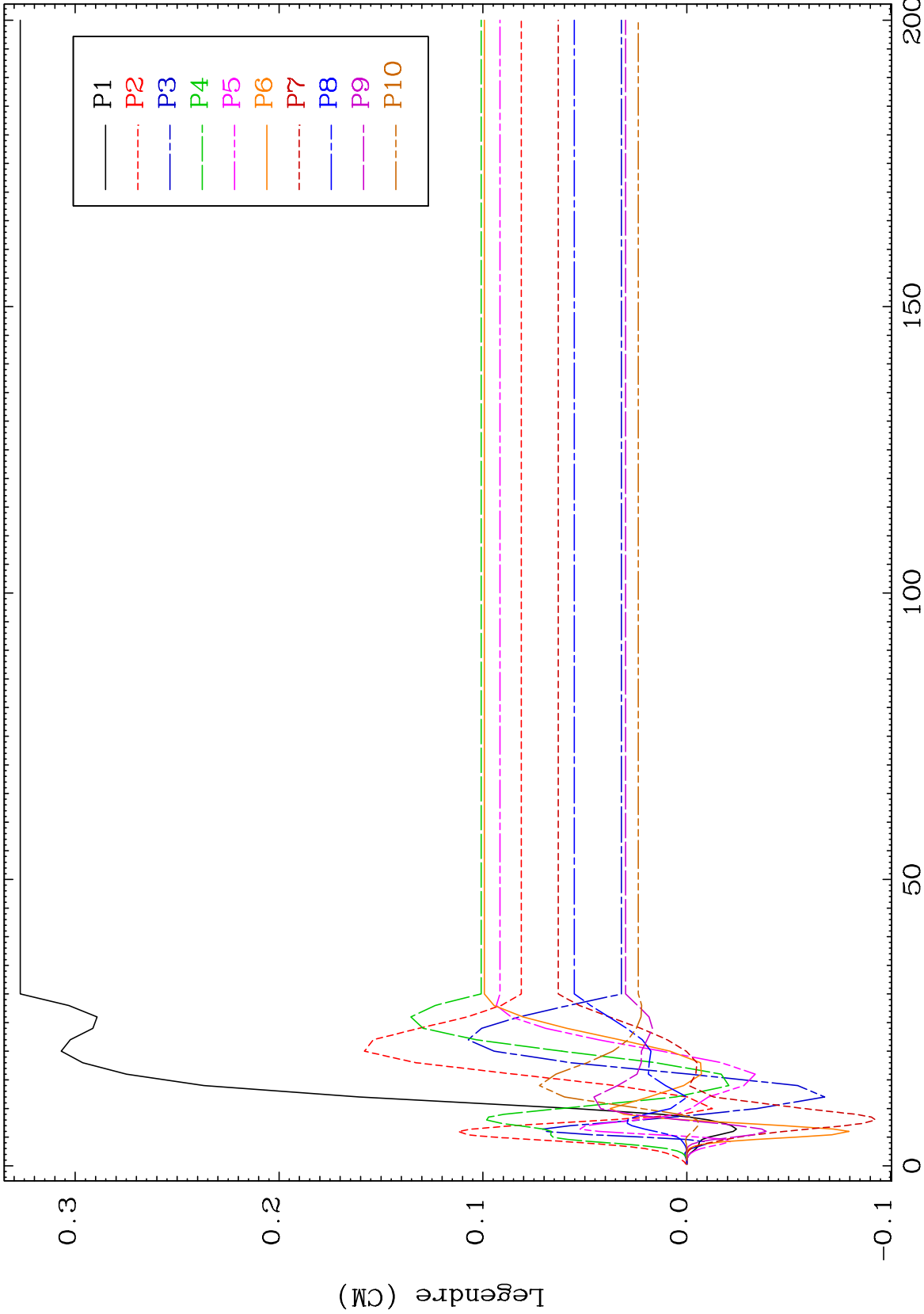
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



36

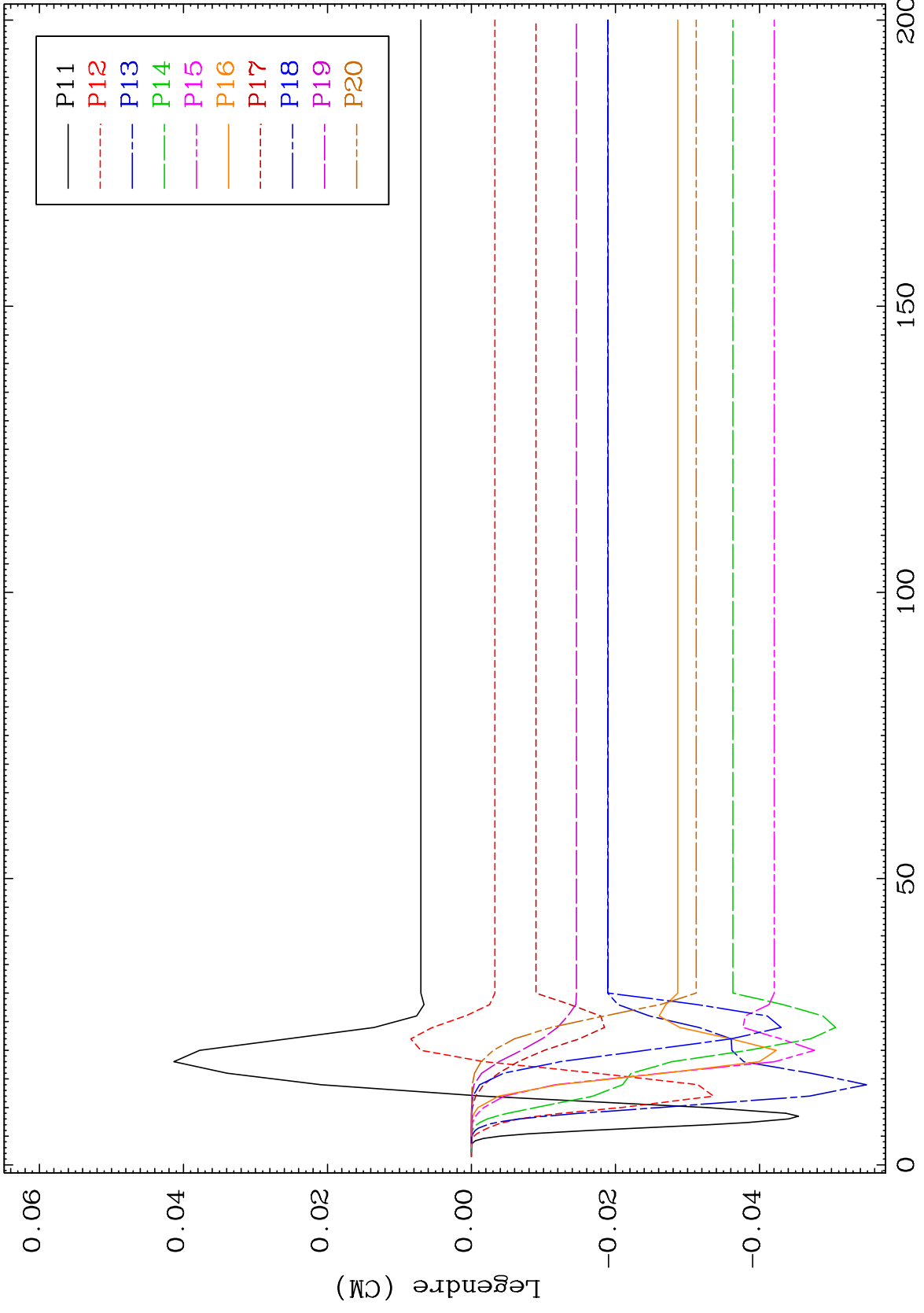
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



37

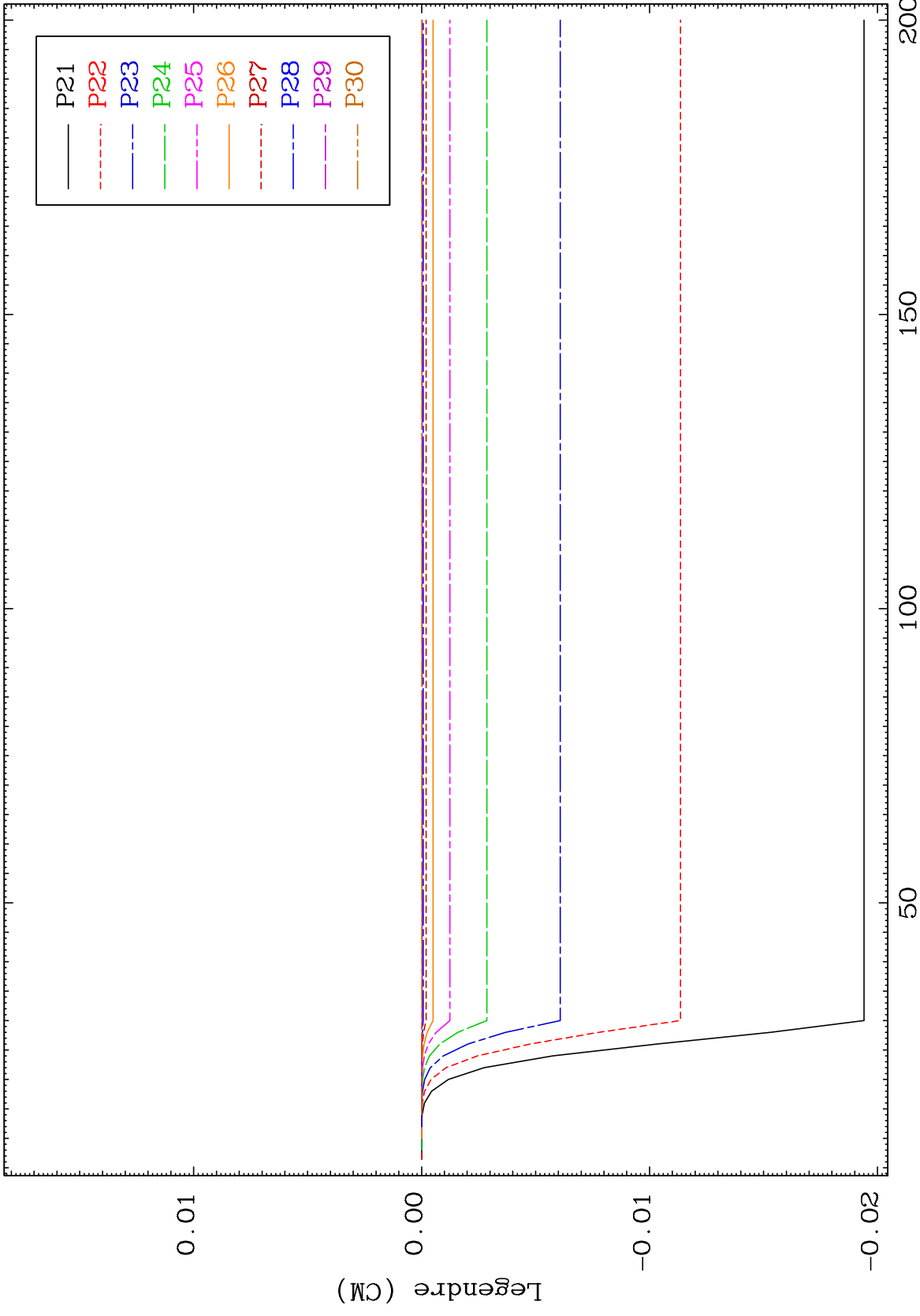
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



38

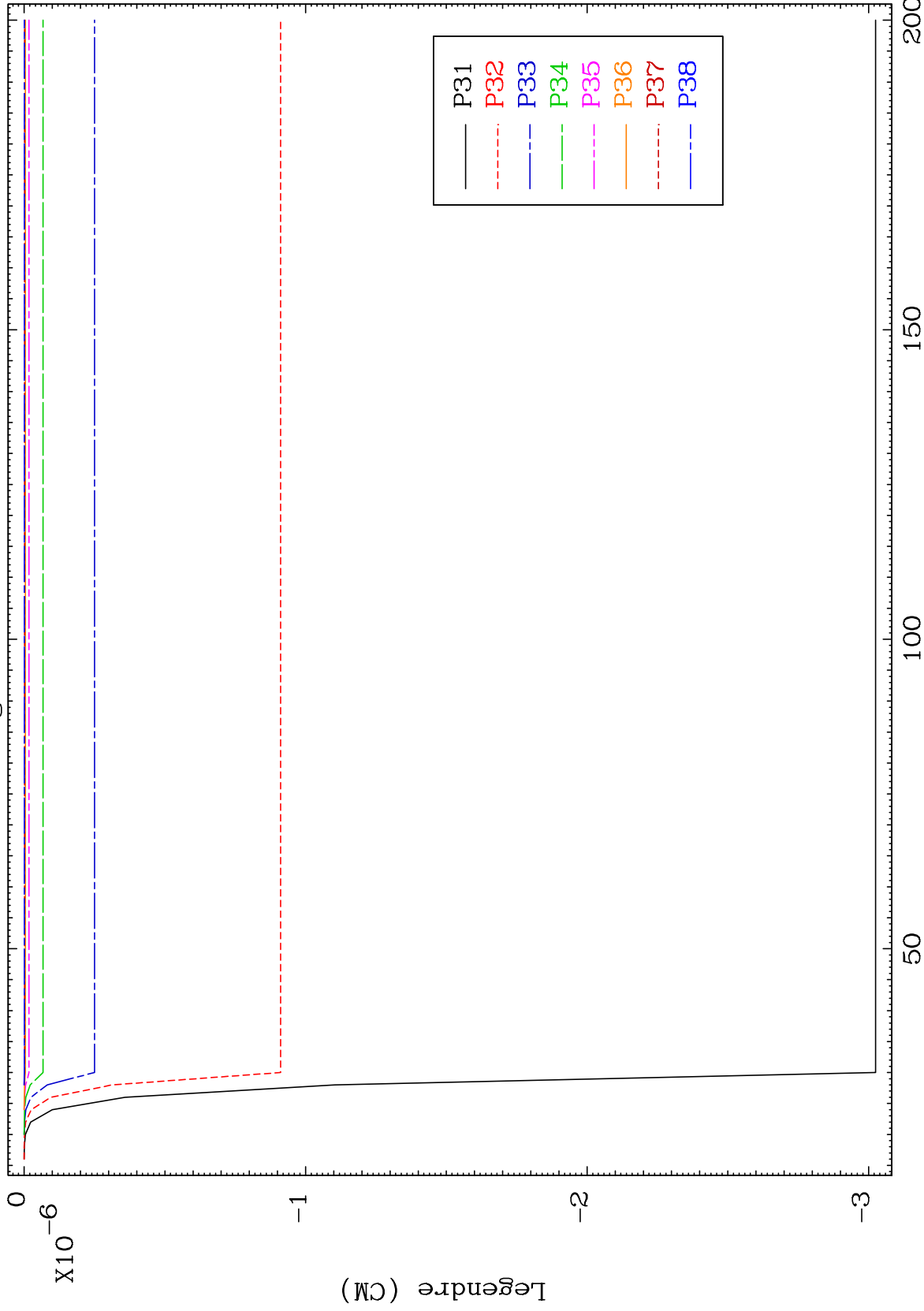
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

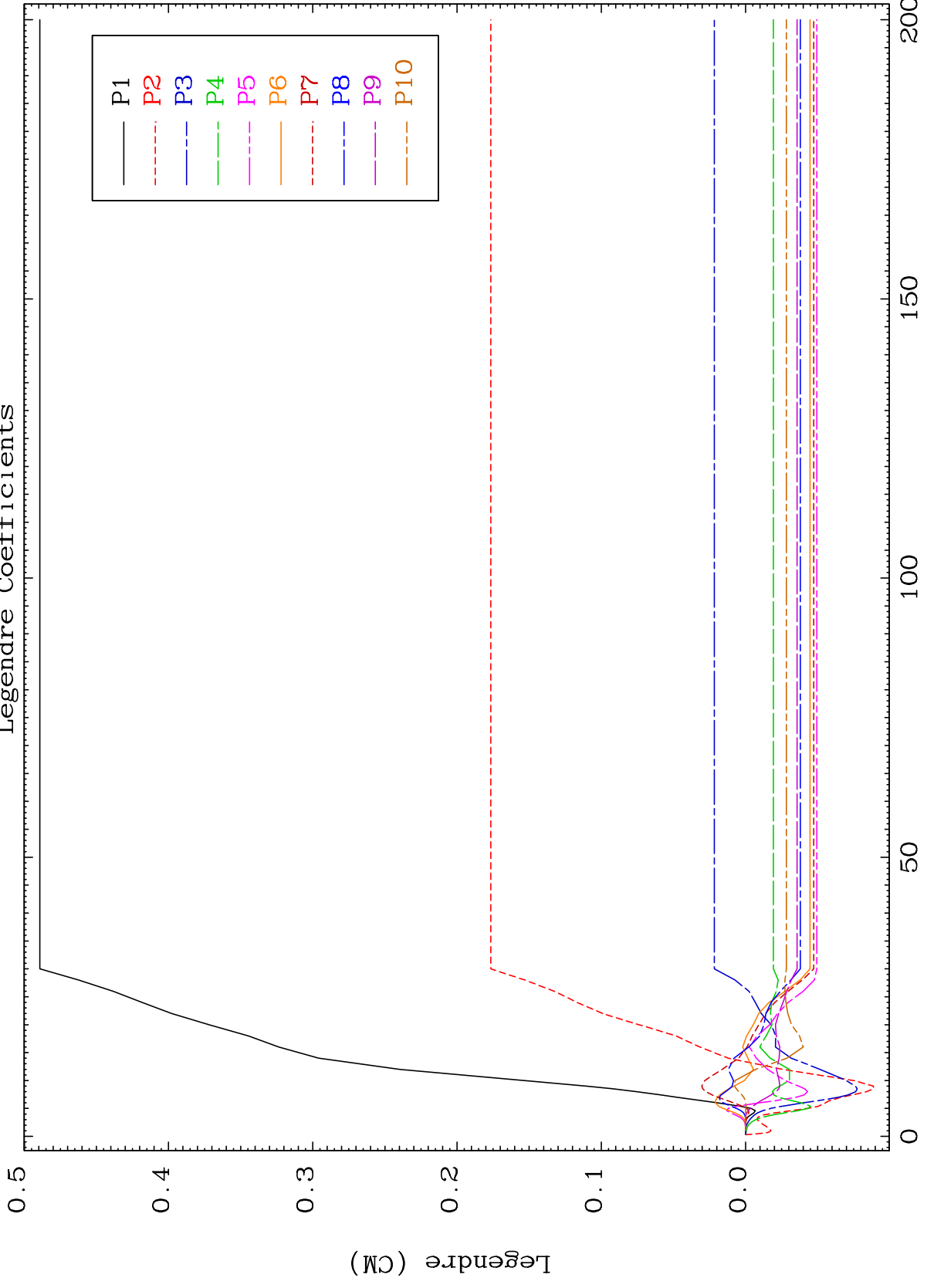
77-Ir-187



39

77-Ir-187

MAT 7713 MT= 56 (n,n') Level Legendre Coefficients 77-Ir-187

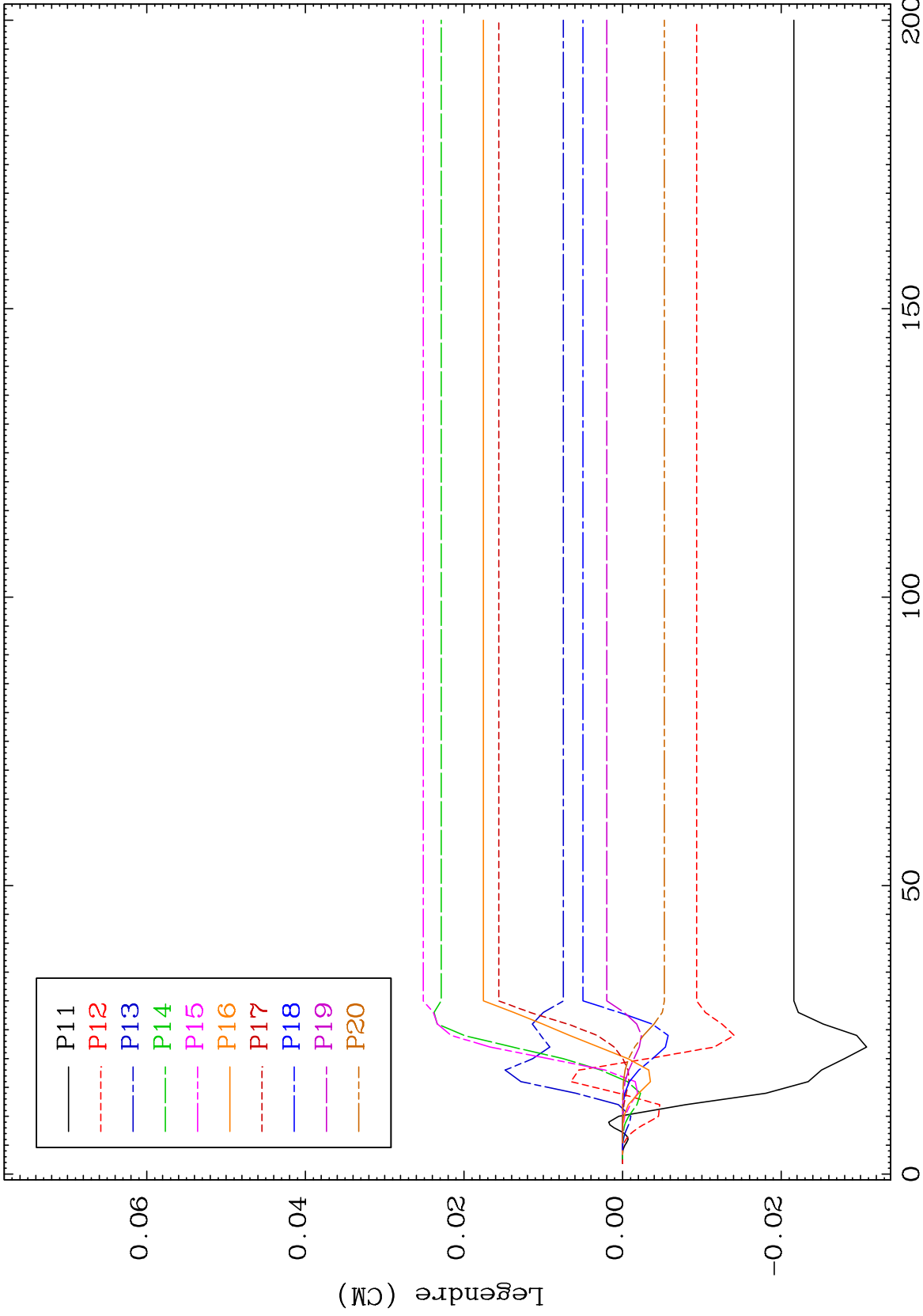


77-Ir-187

MAT 7713

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

77-Ir-187



41

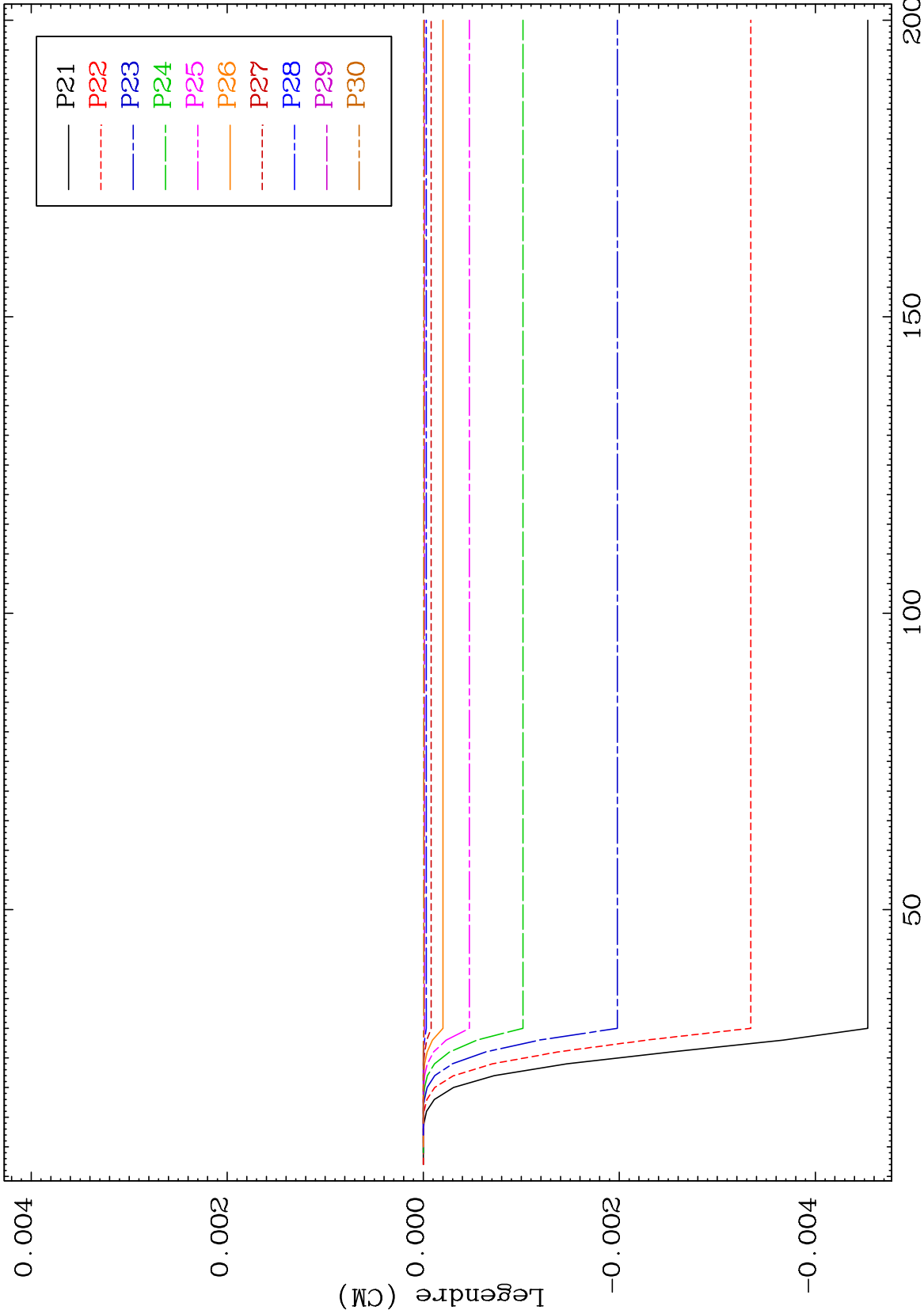
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



42

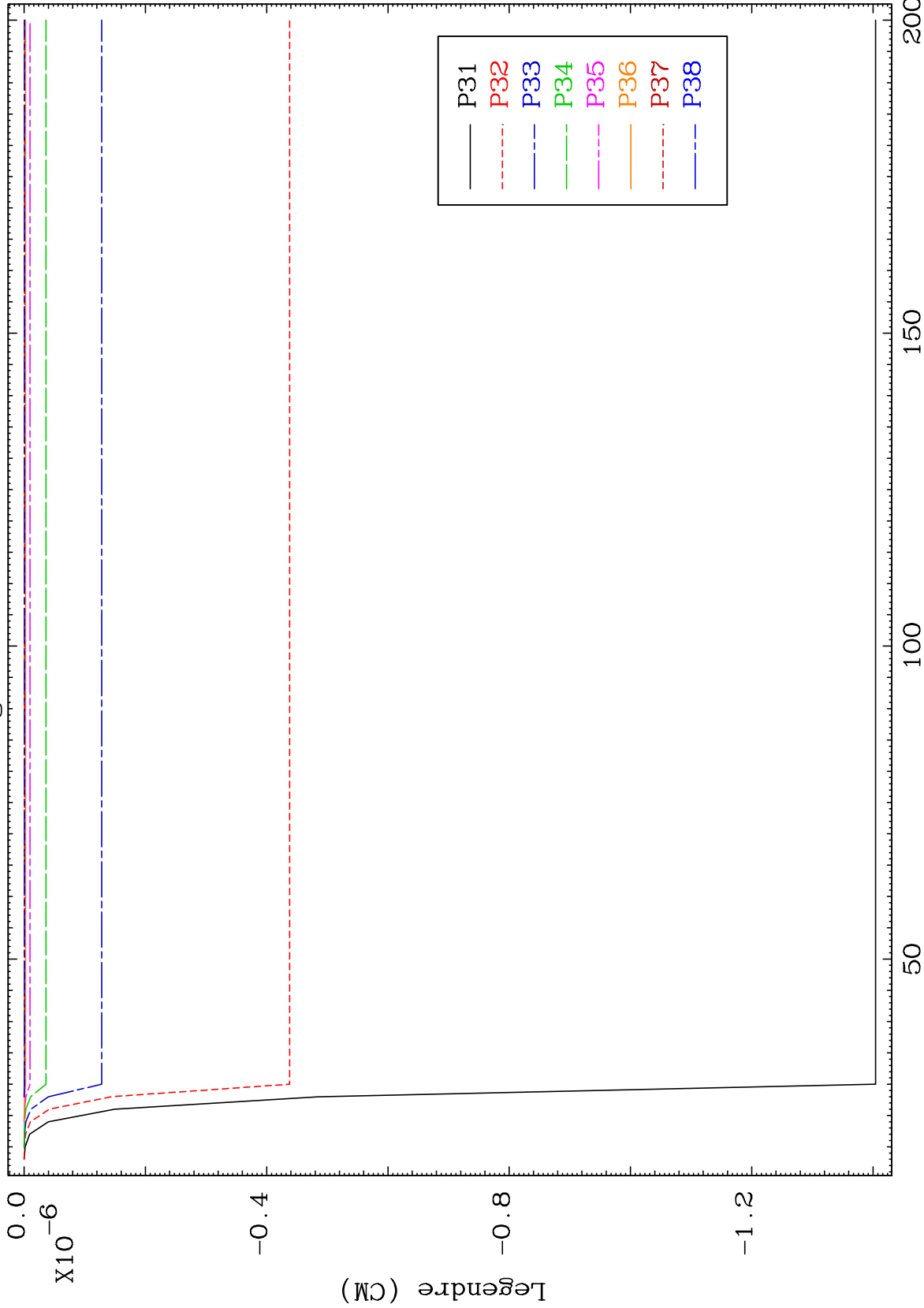
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



43

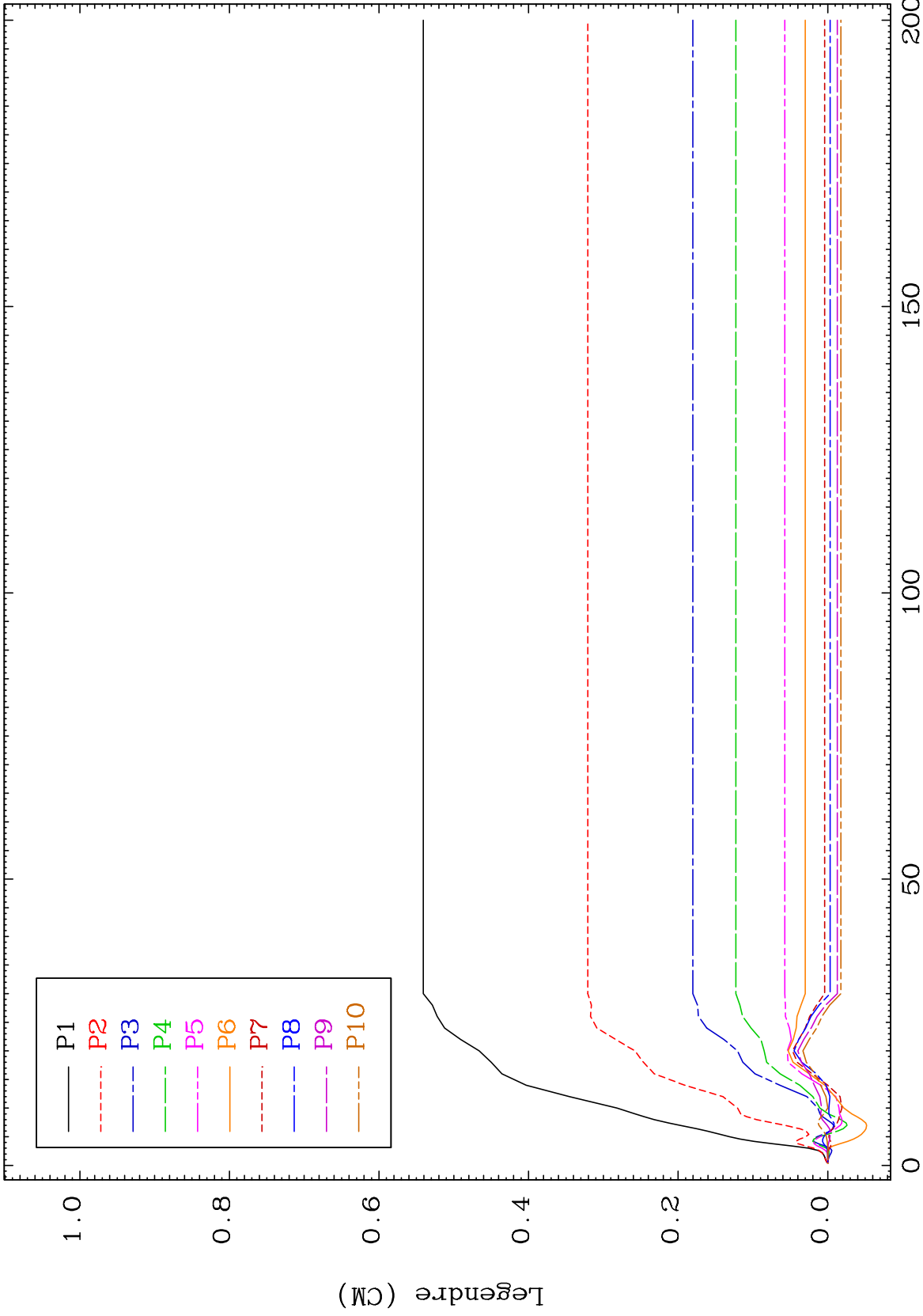
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



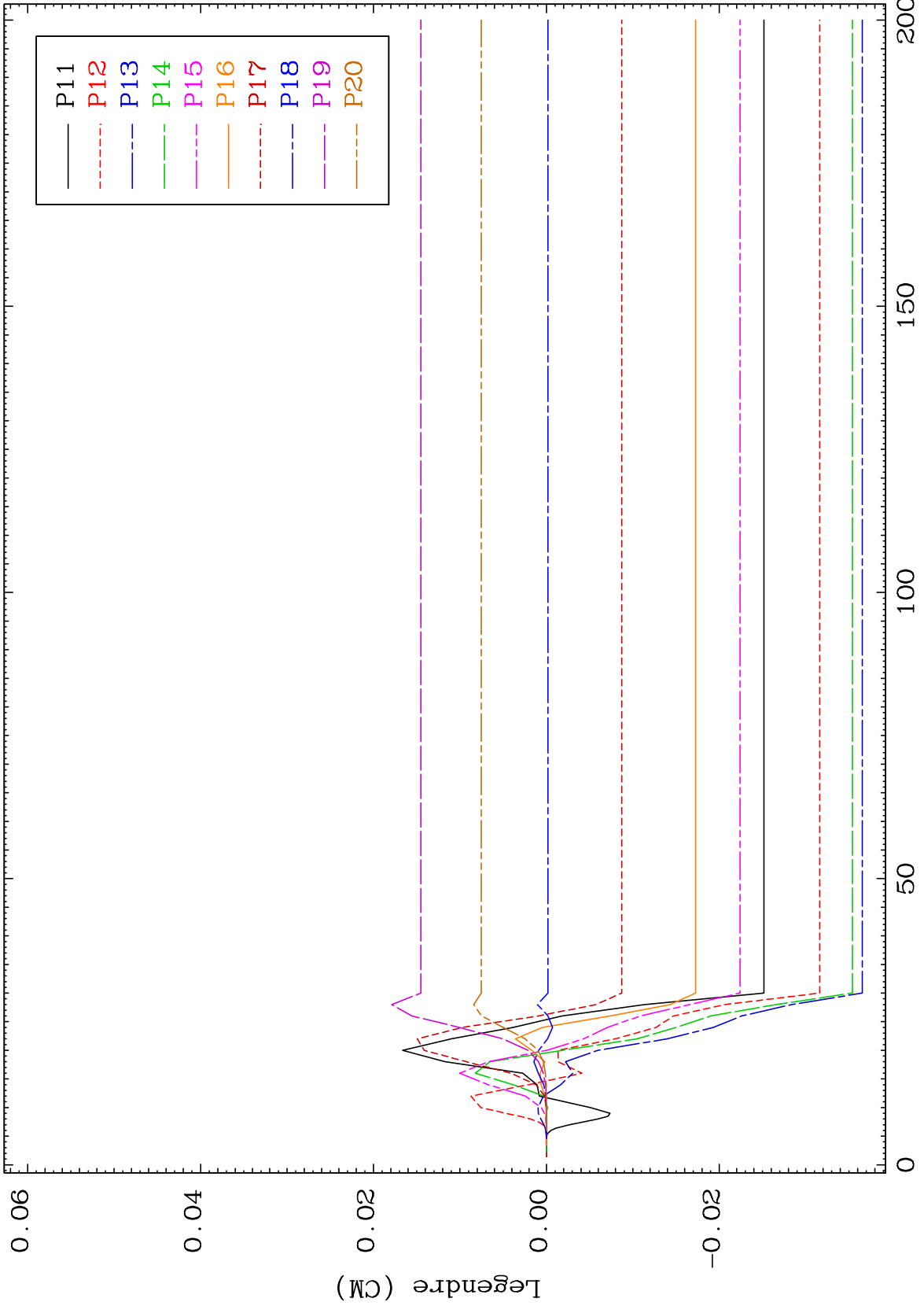
44

77-Ir-187

MAT 7713

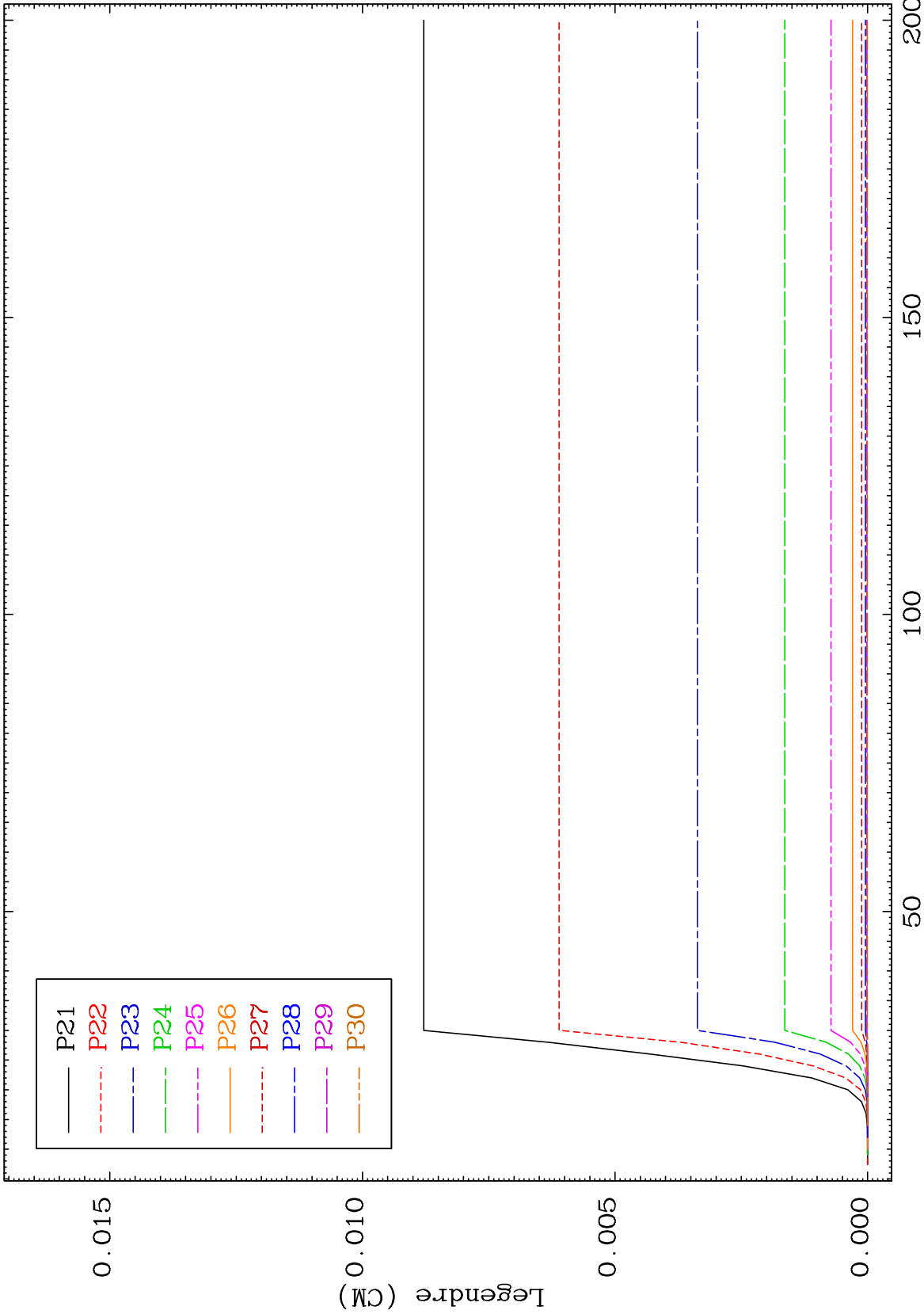
MT= 57 (n,n') Level
Legendre Coefficients

77-Ir-187



45

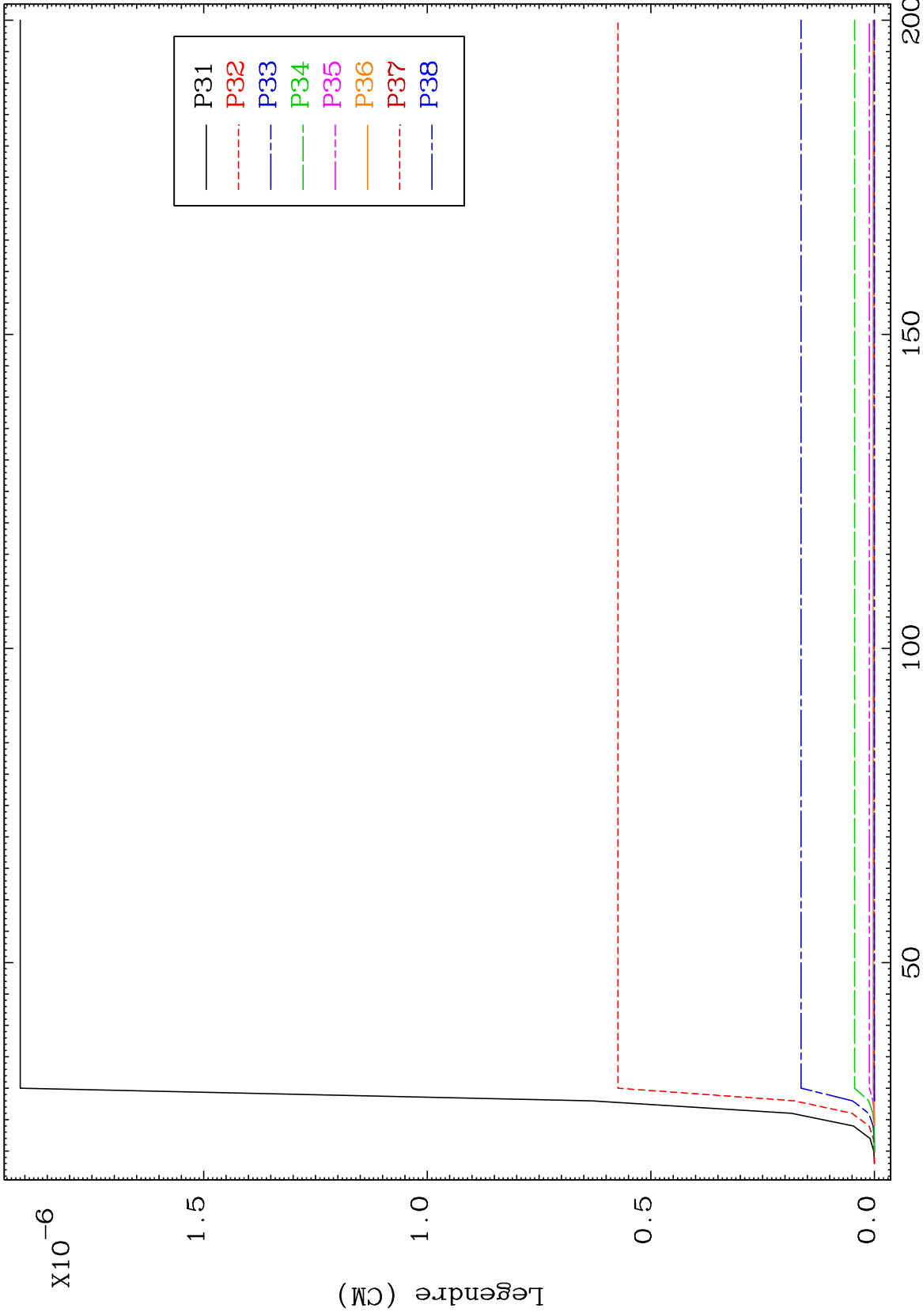
77-Ir-187



MAT 7713

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

77-Ir-187



47

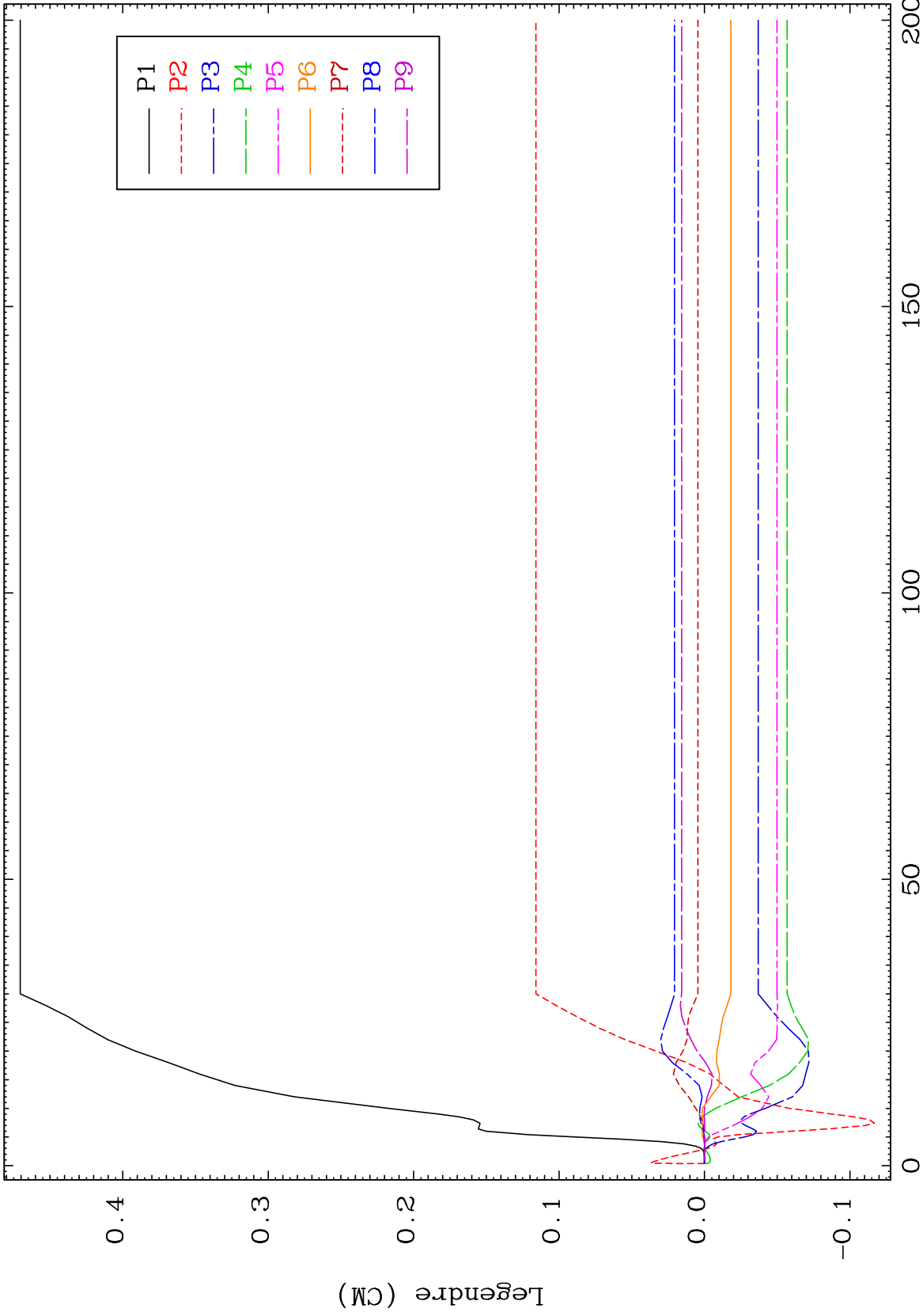
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



48

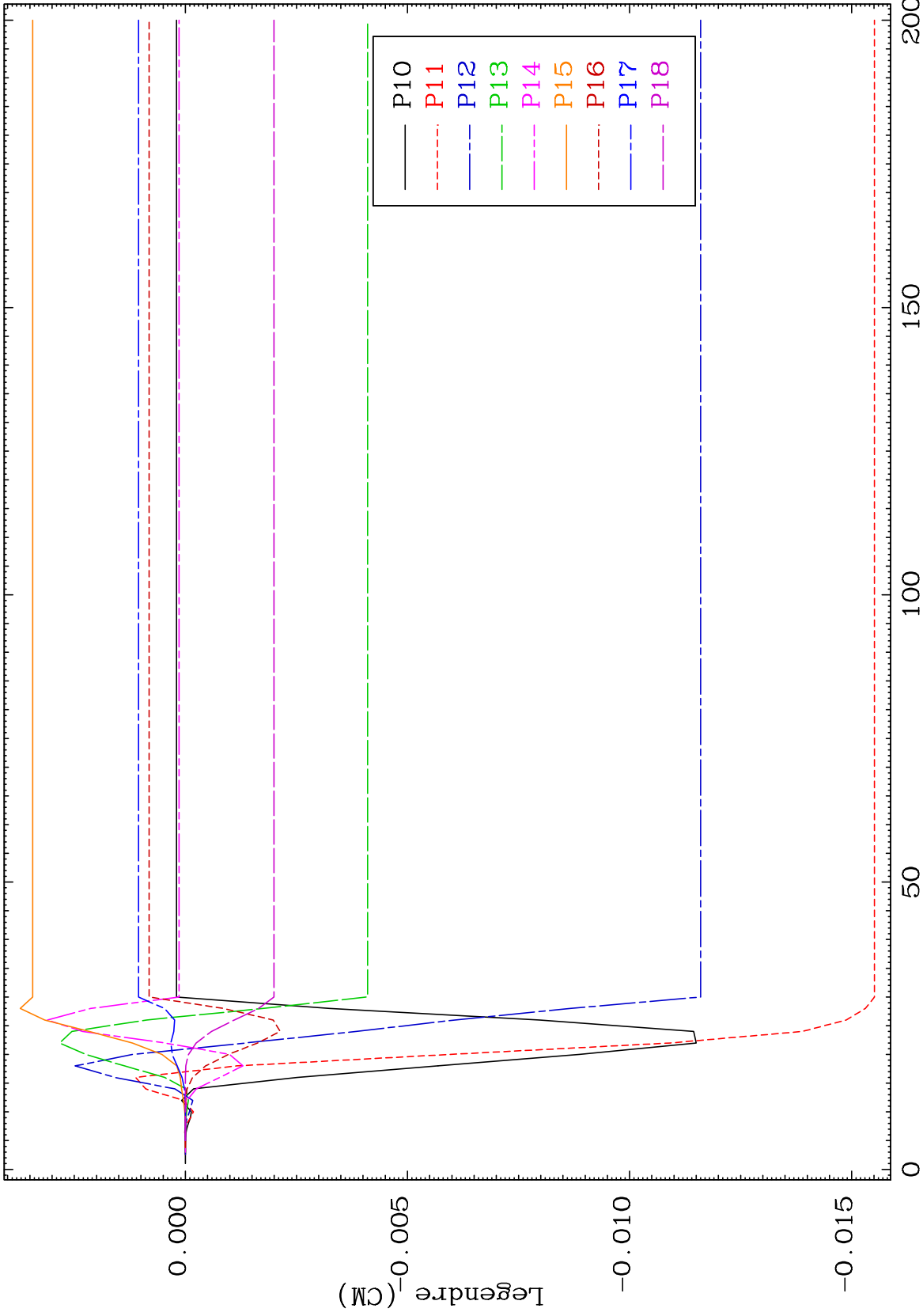
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



49

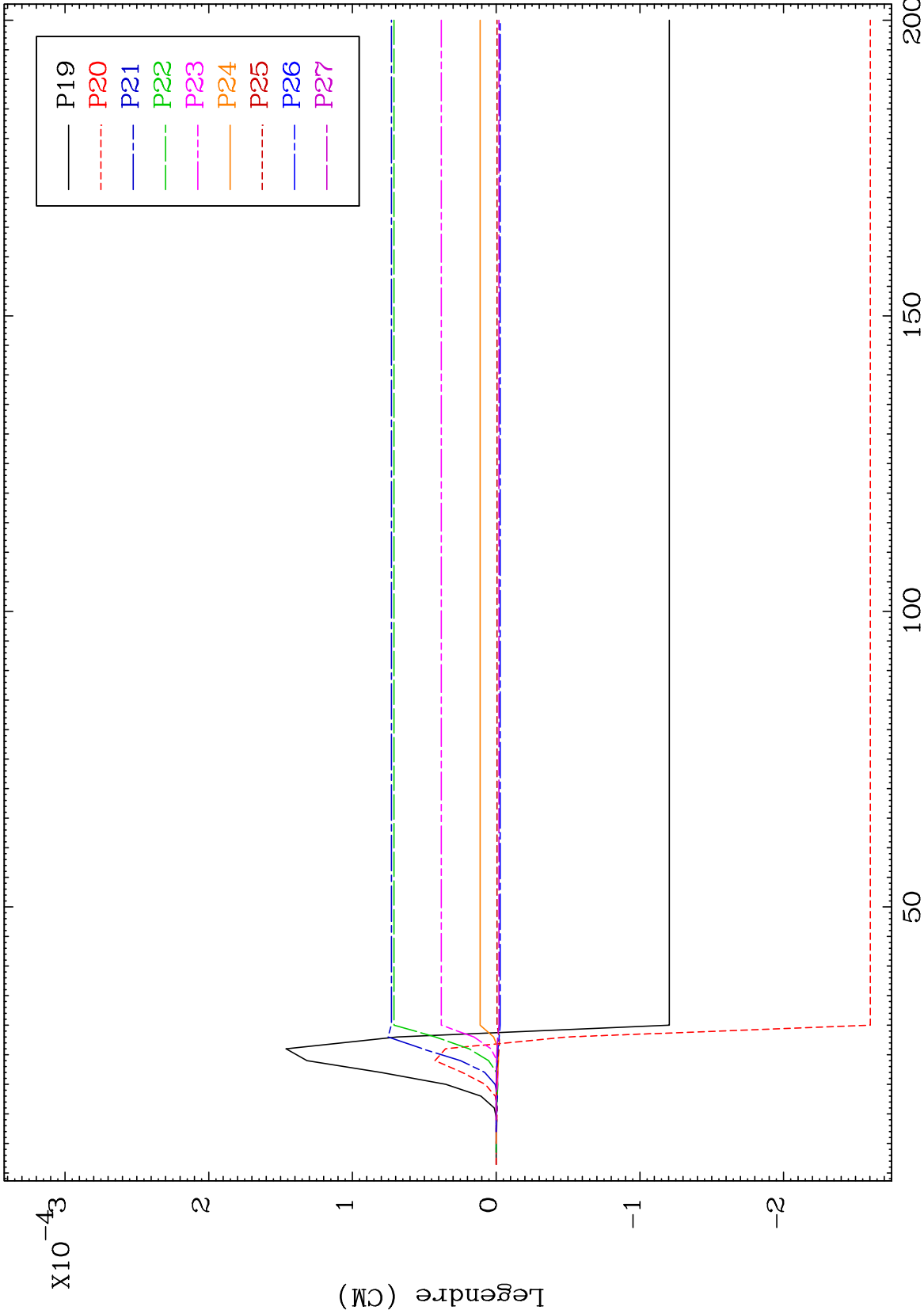
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



50

Incident Energy (MeV)

100

150

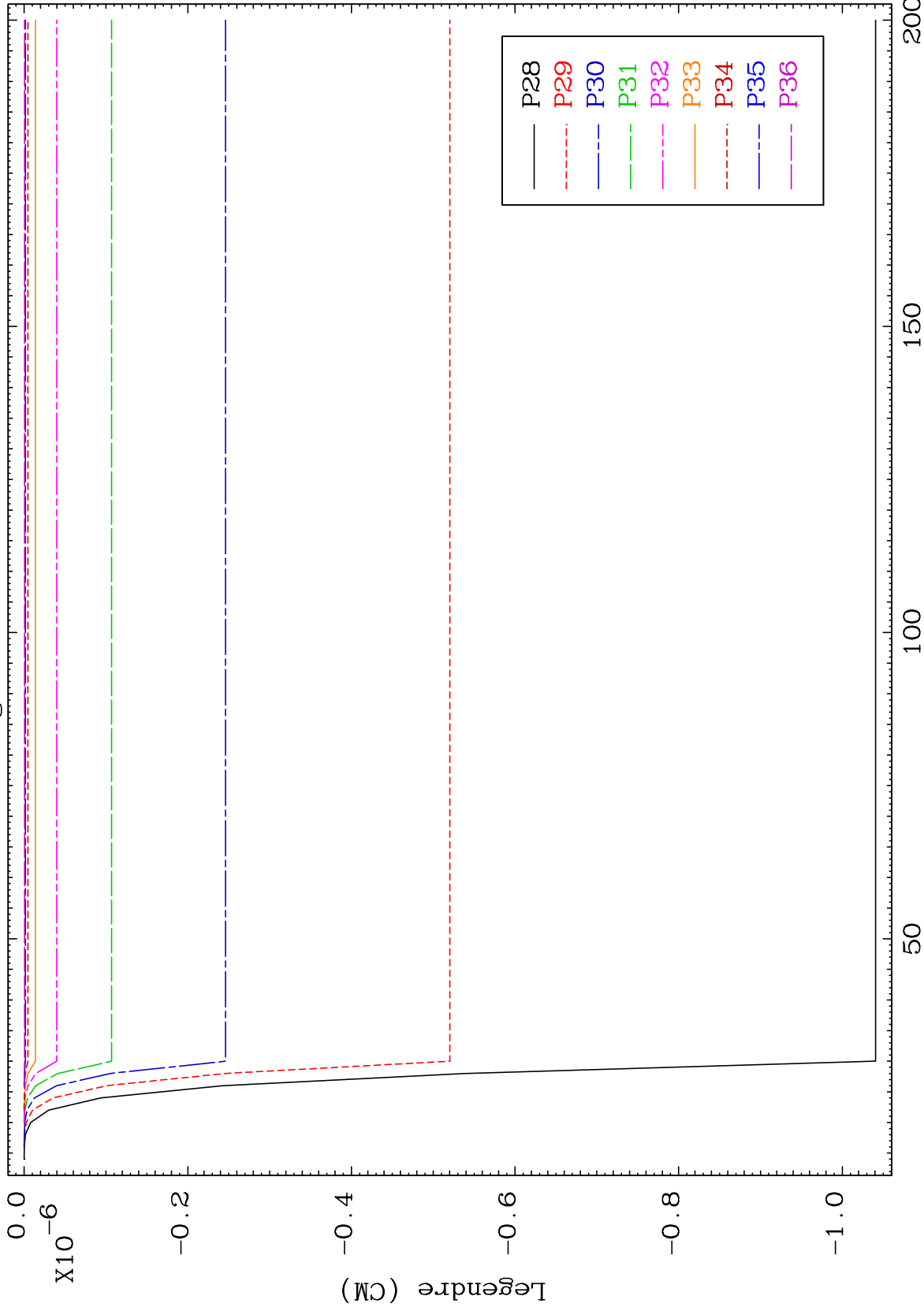
200

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

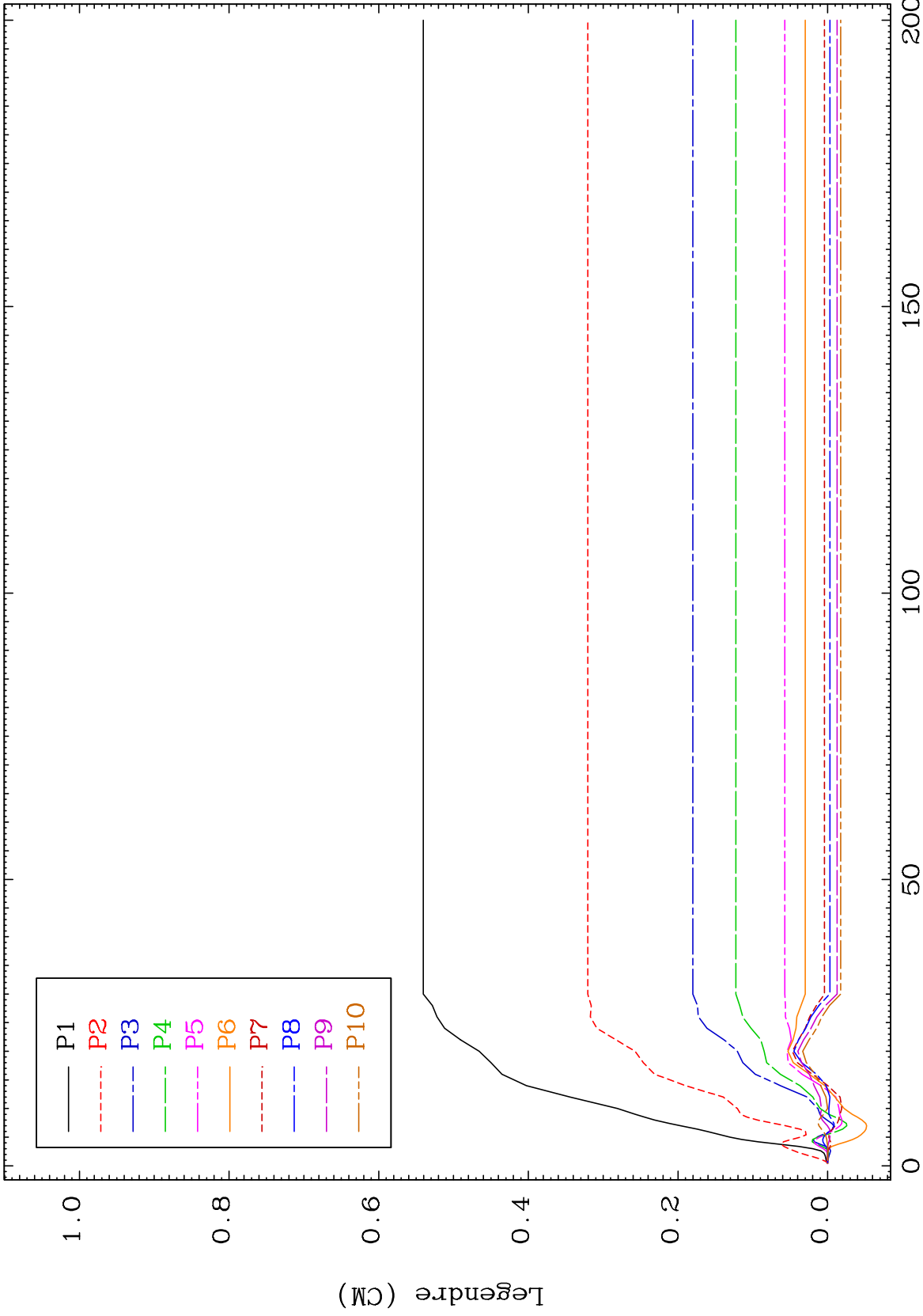
Incident Energy (MeV)

51

MAT 7713

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

77-Ir-187



52

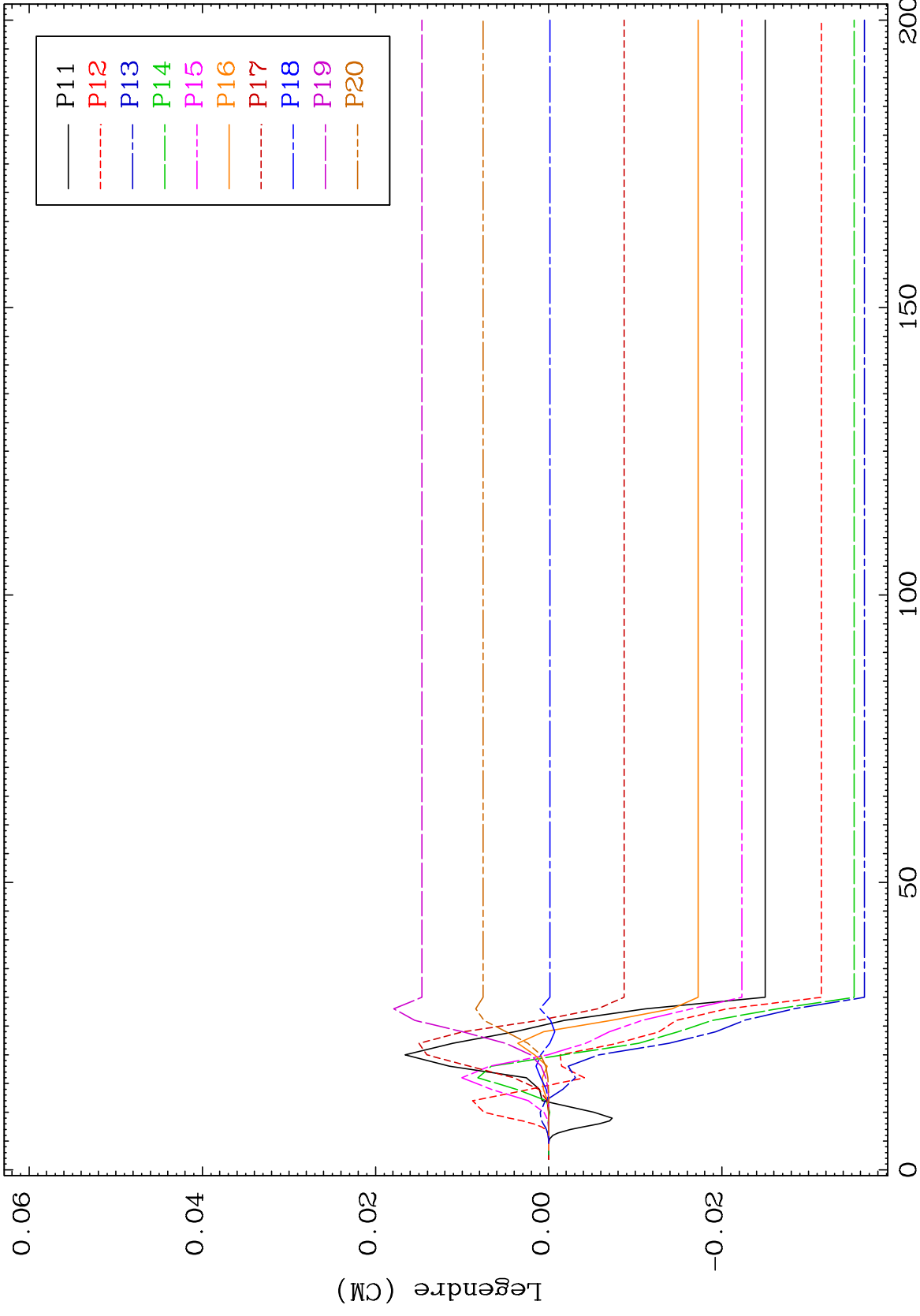
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



53

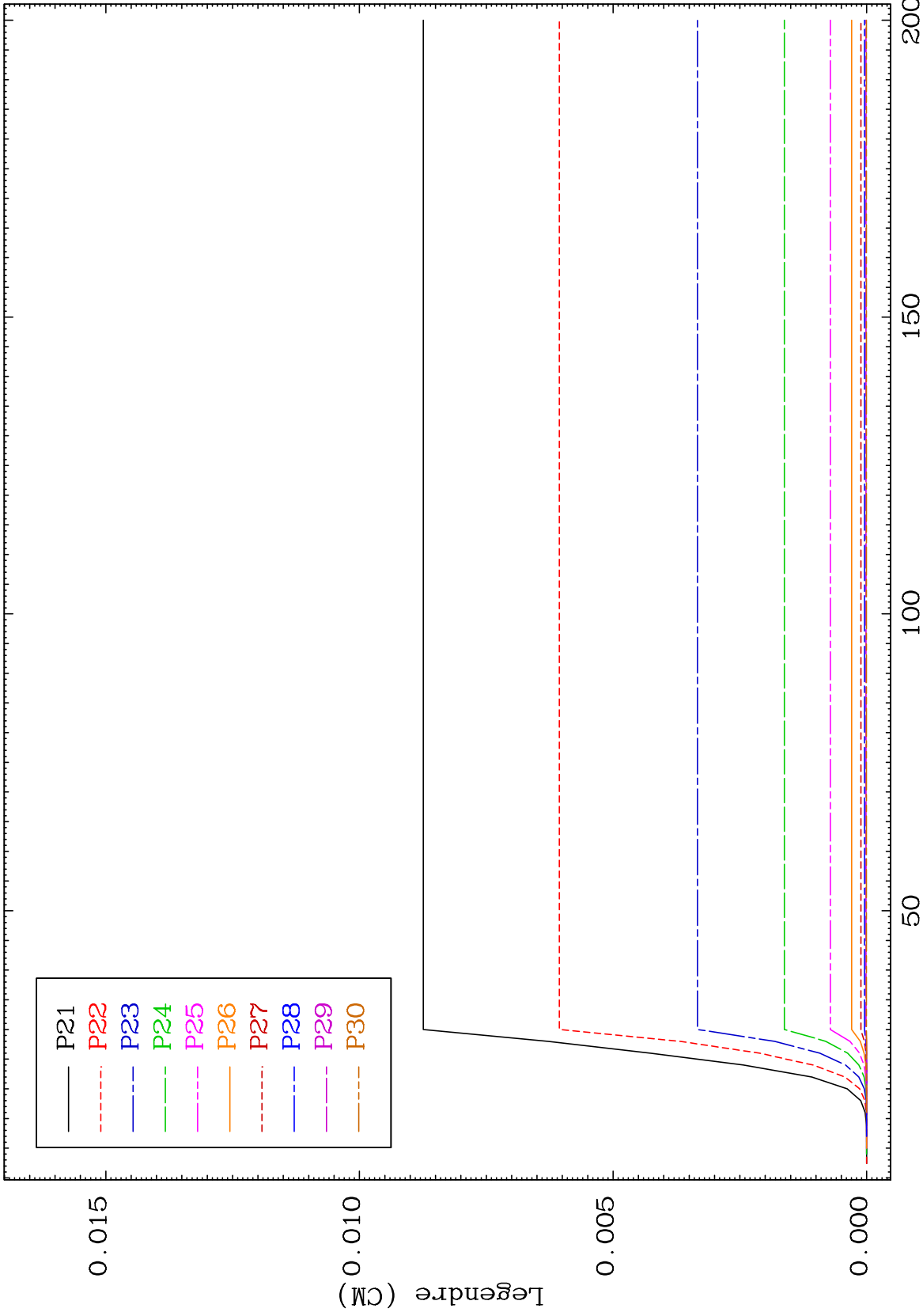
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



54

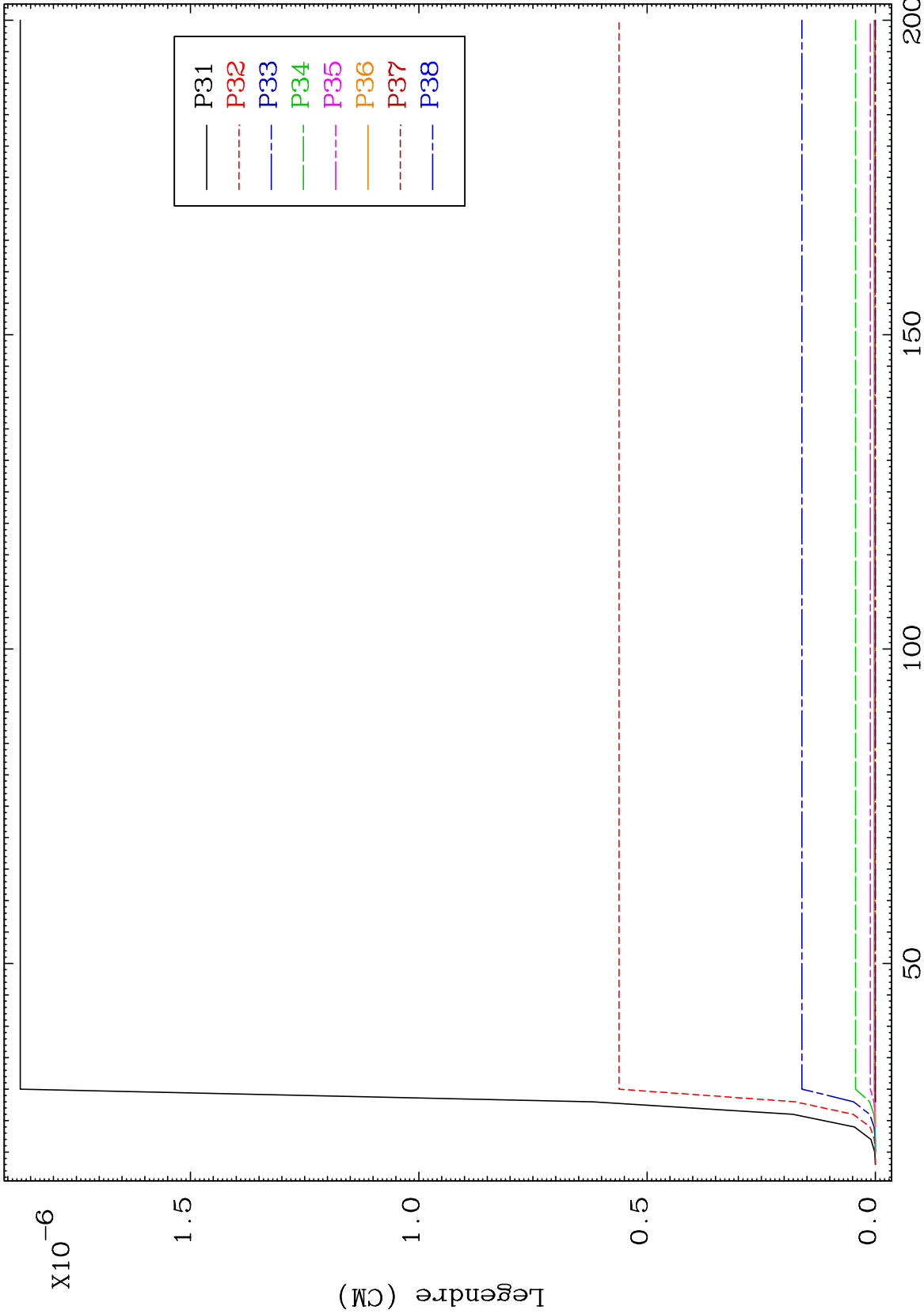
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



55

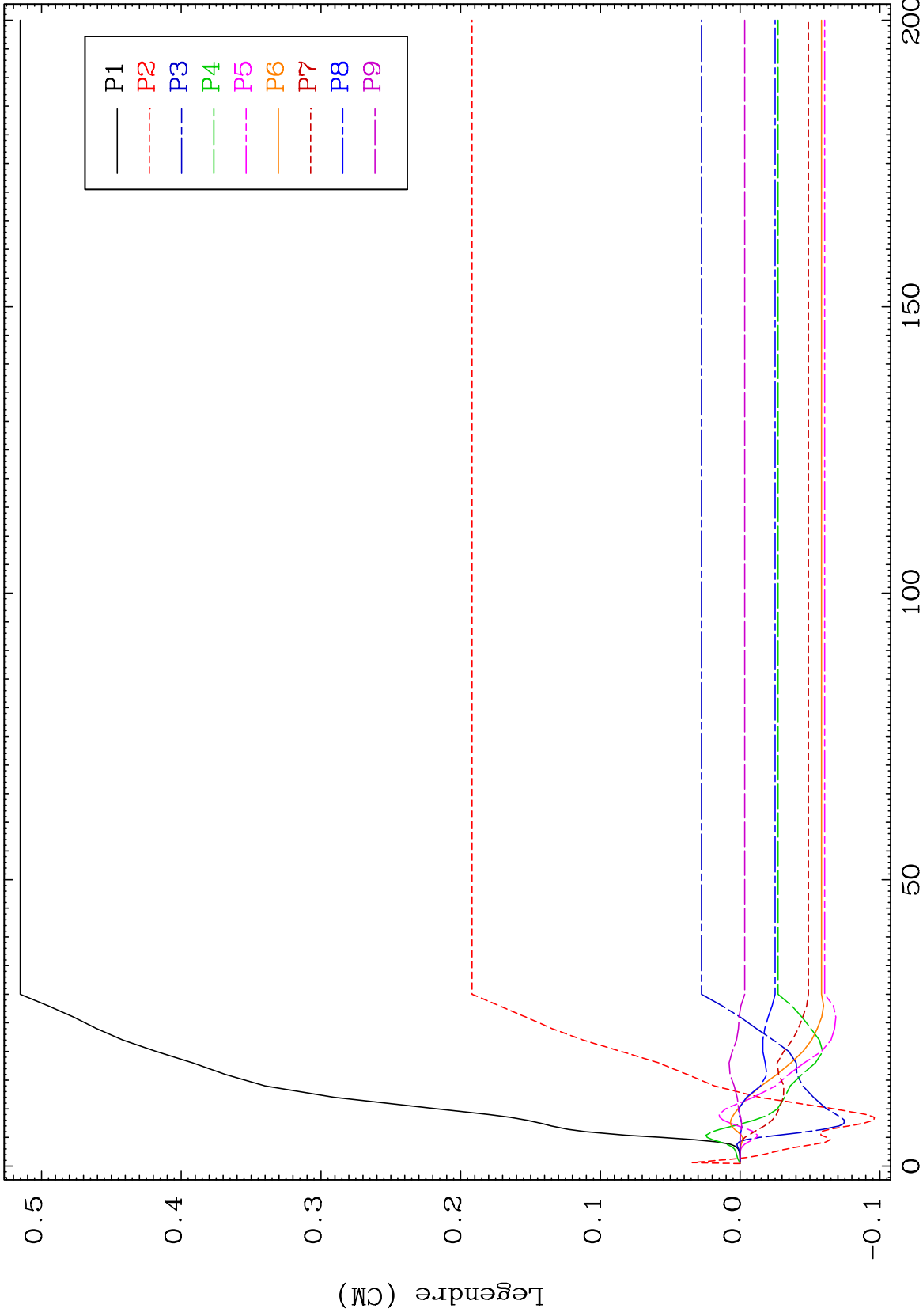
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



56

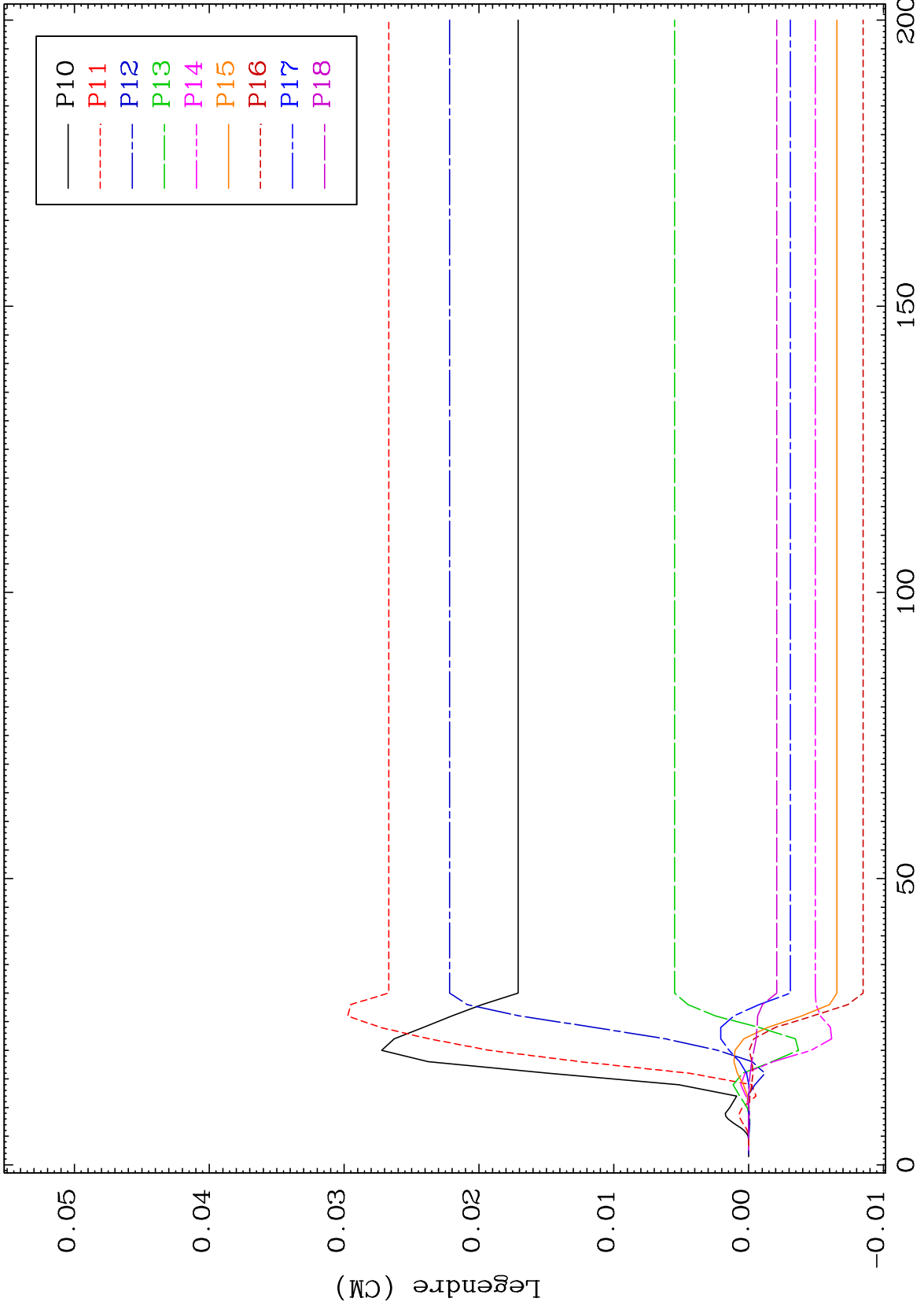
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



57

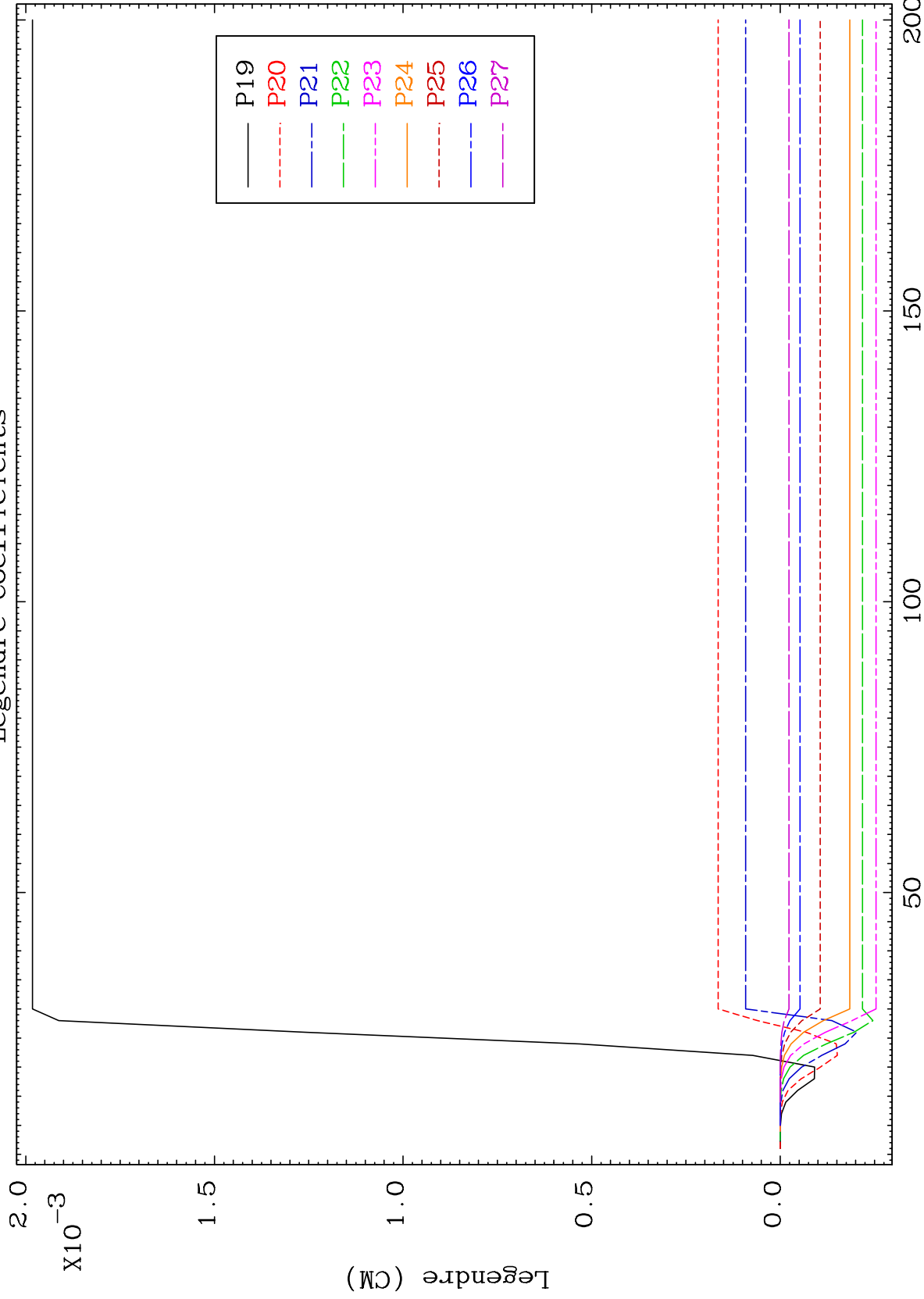
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



58

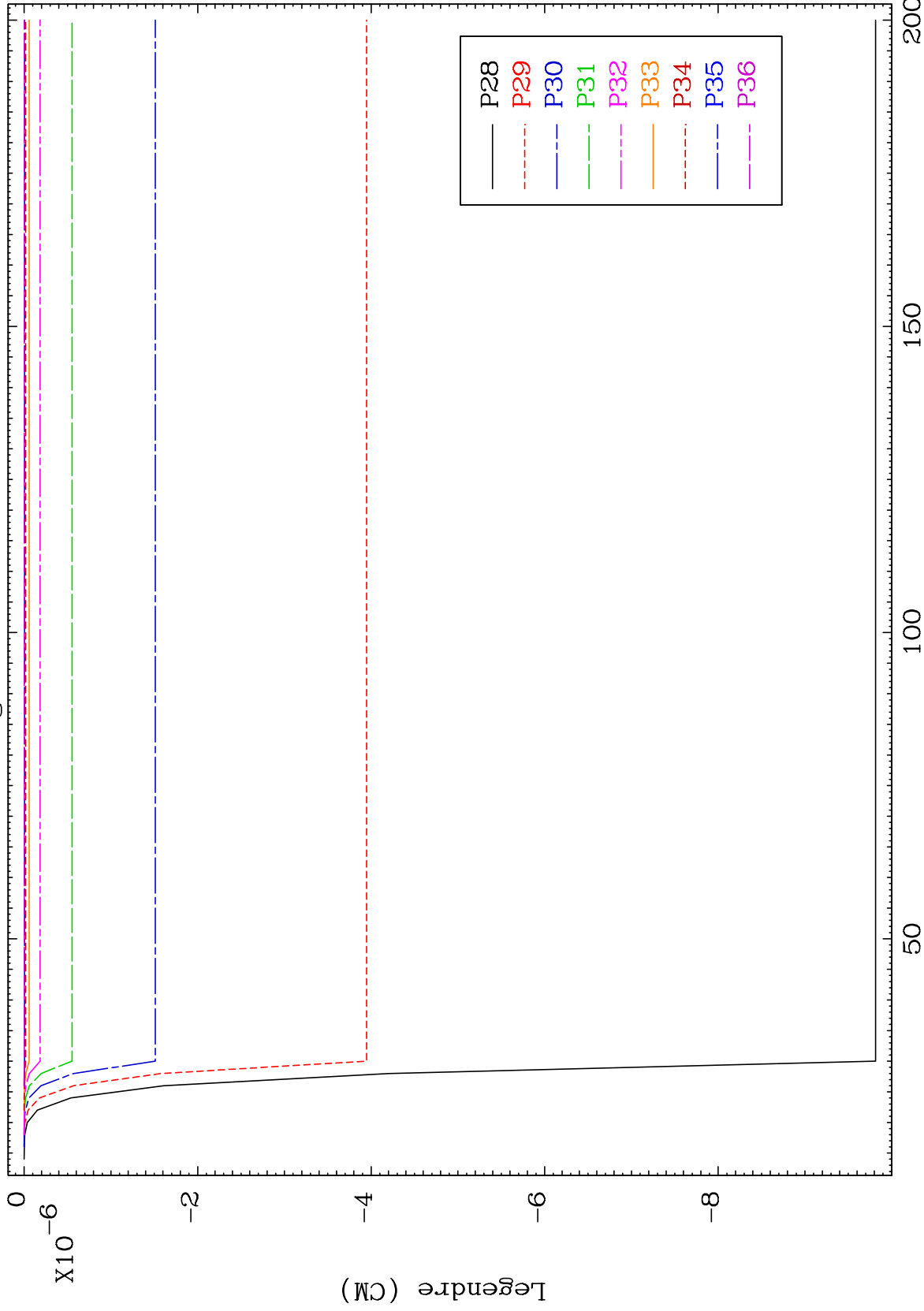
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



59

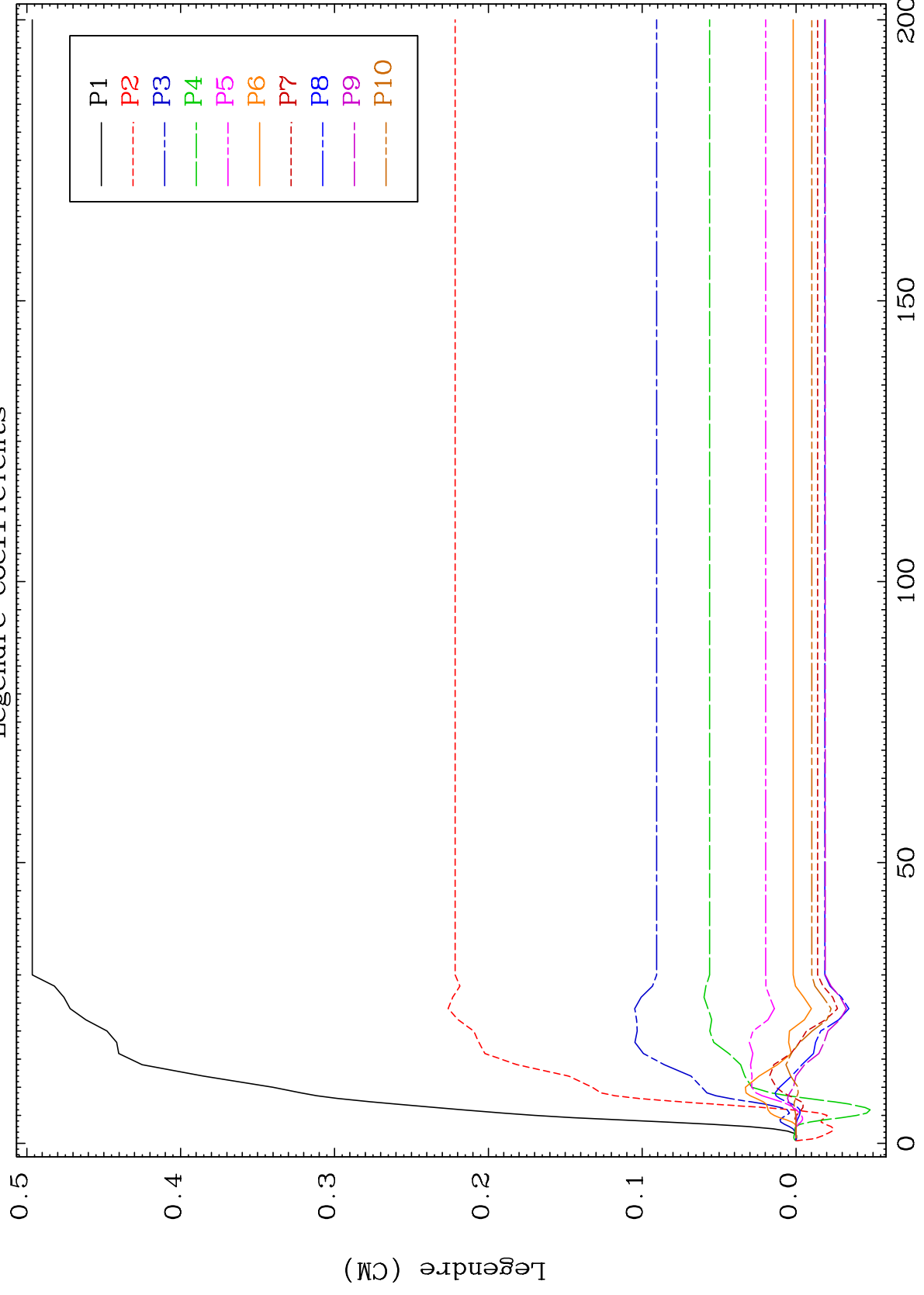
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

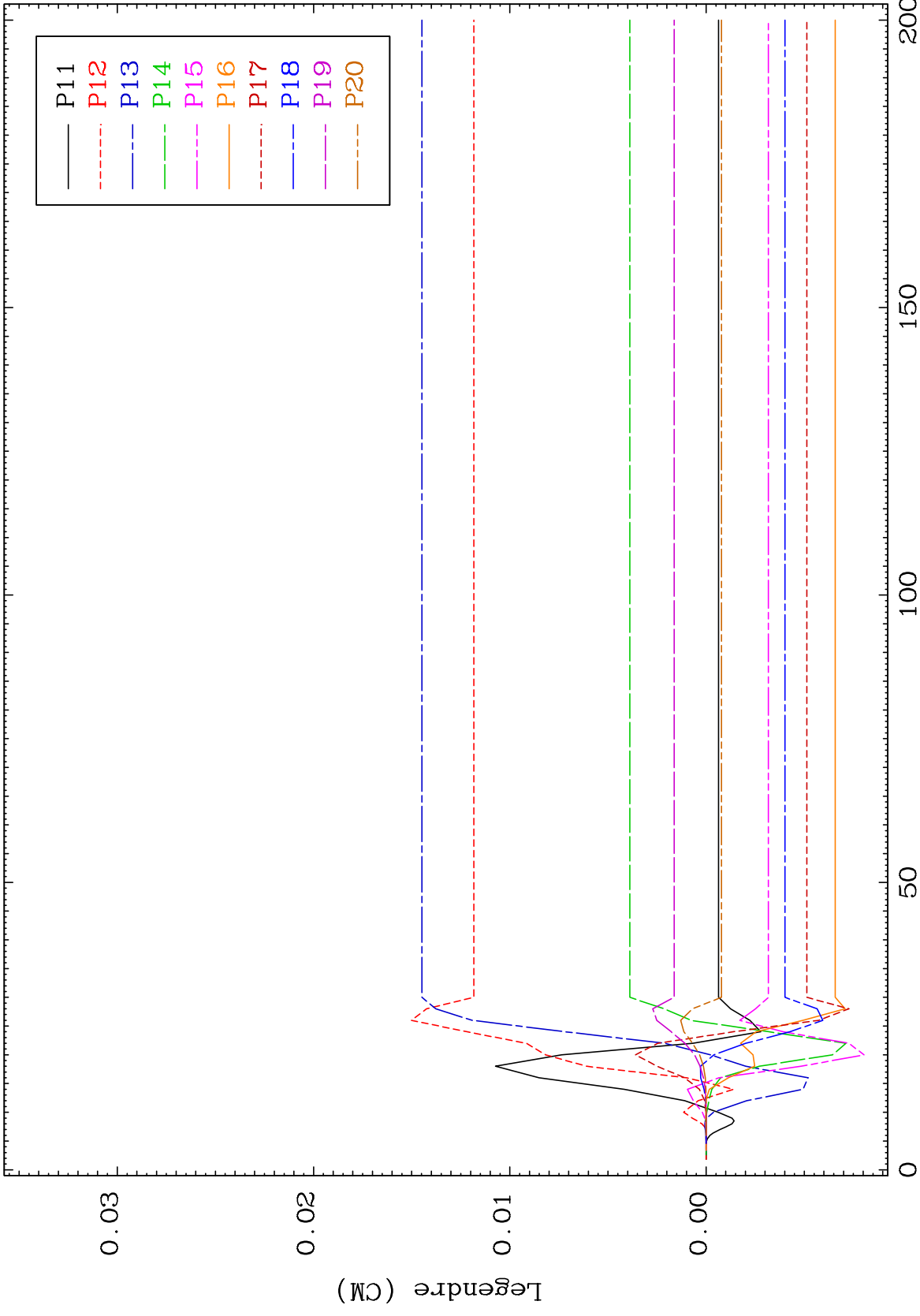
Incident Energy (MeV)

60

MAT 7713

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

77-Ir-187



61

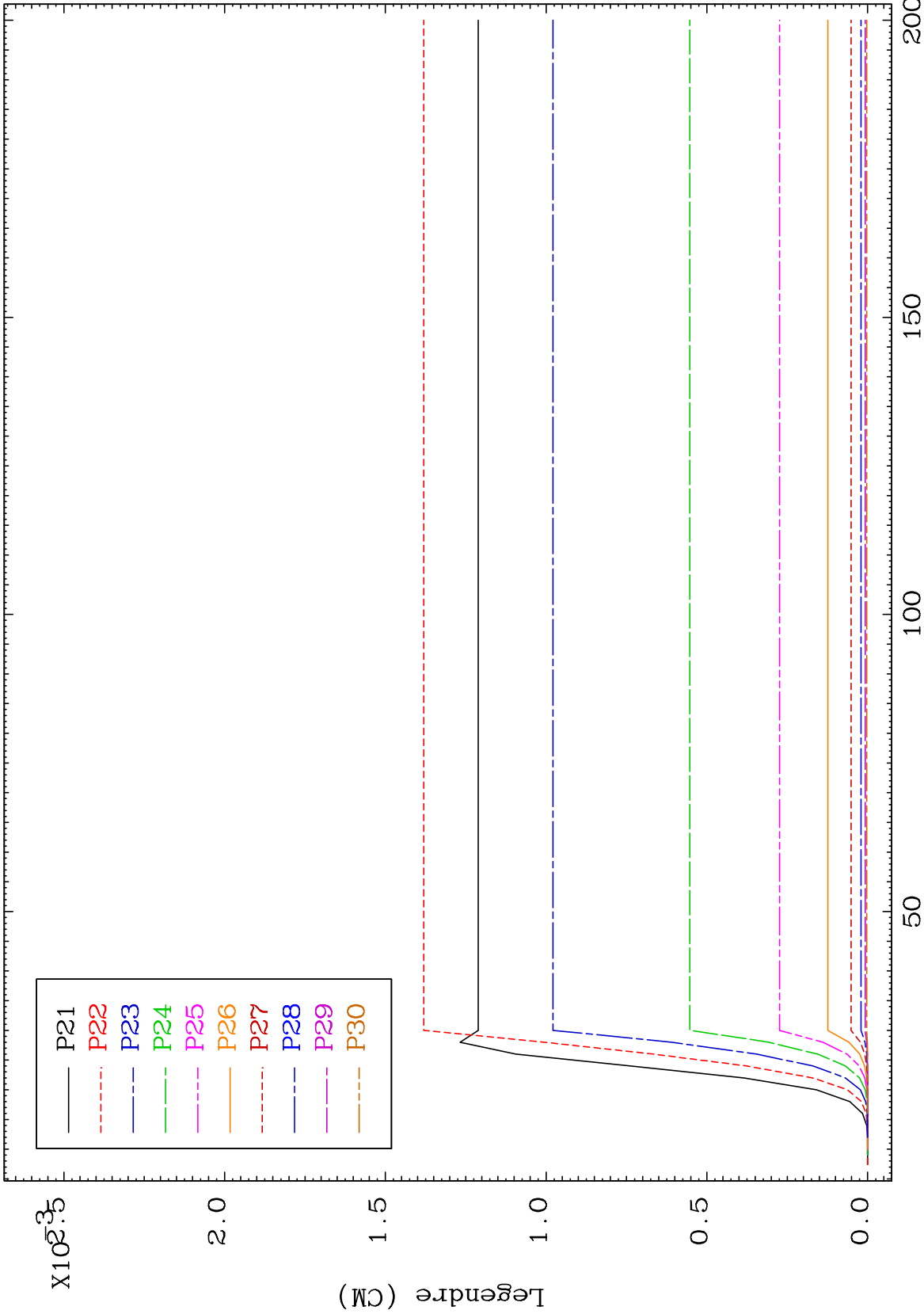
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



62

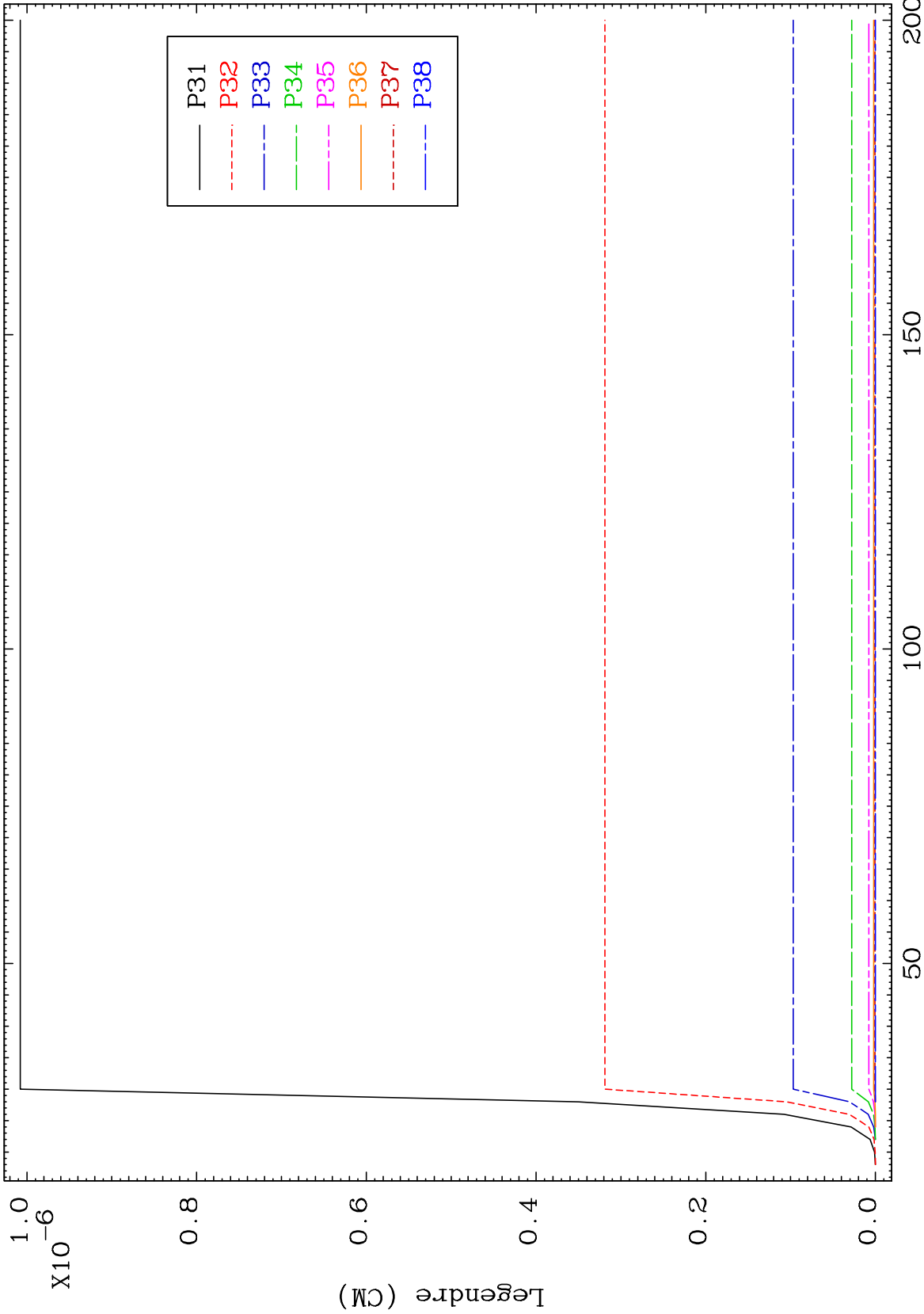
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



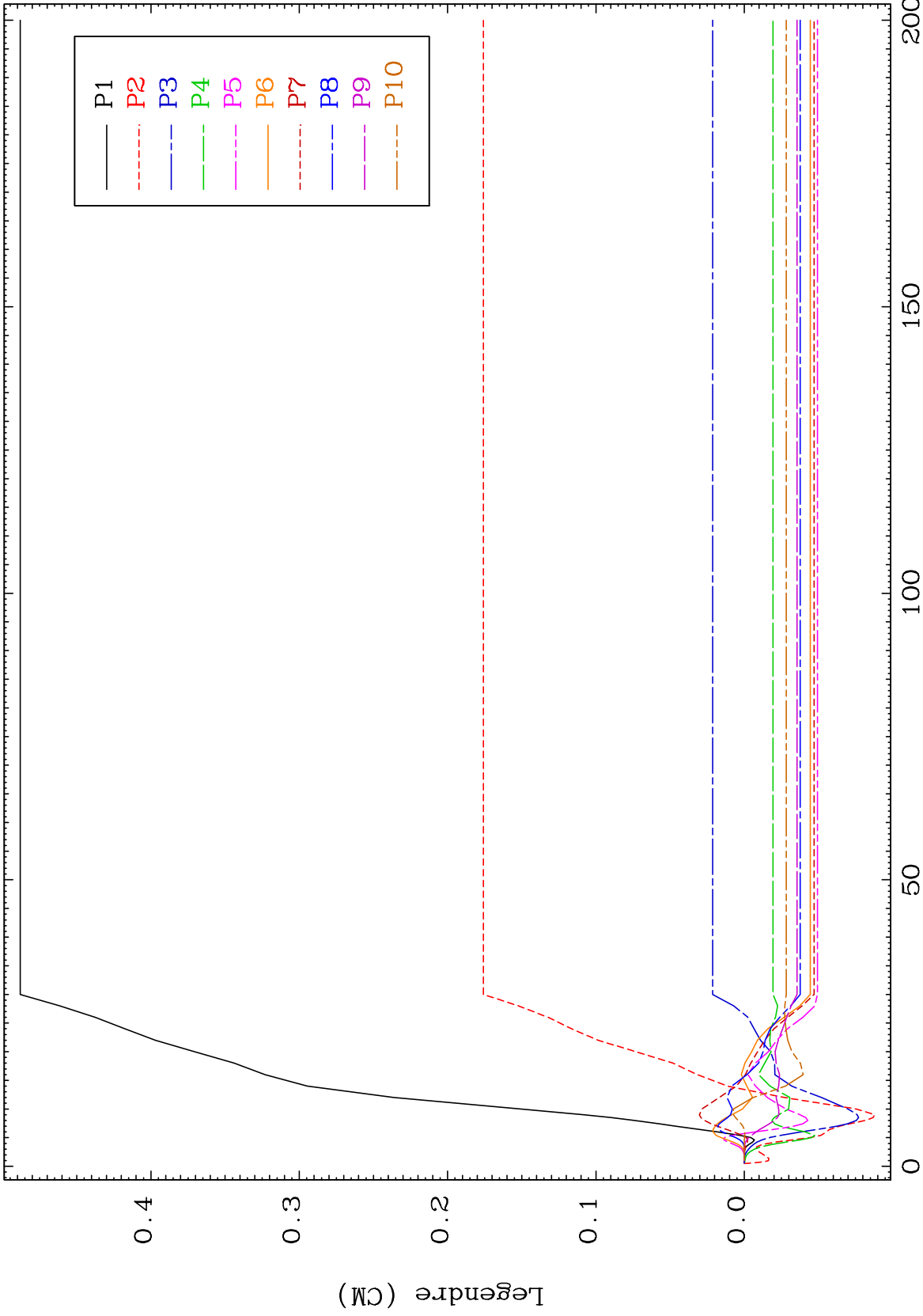
63

77-Ir-187

MAT 7713

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

77-Ir-187



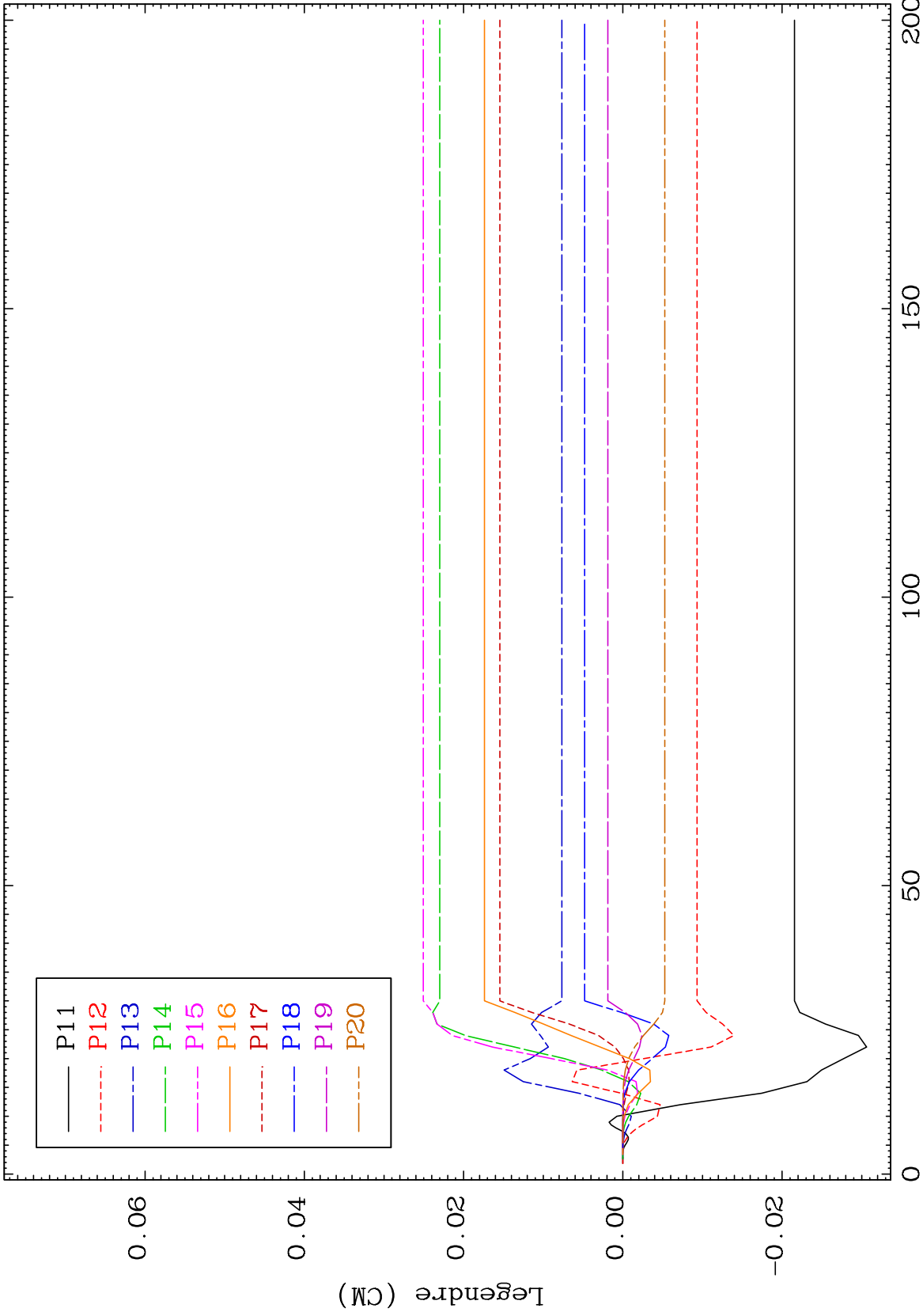
64

77-Ir-187

MAT 7713

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

77-Ir-187



65

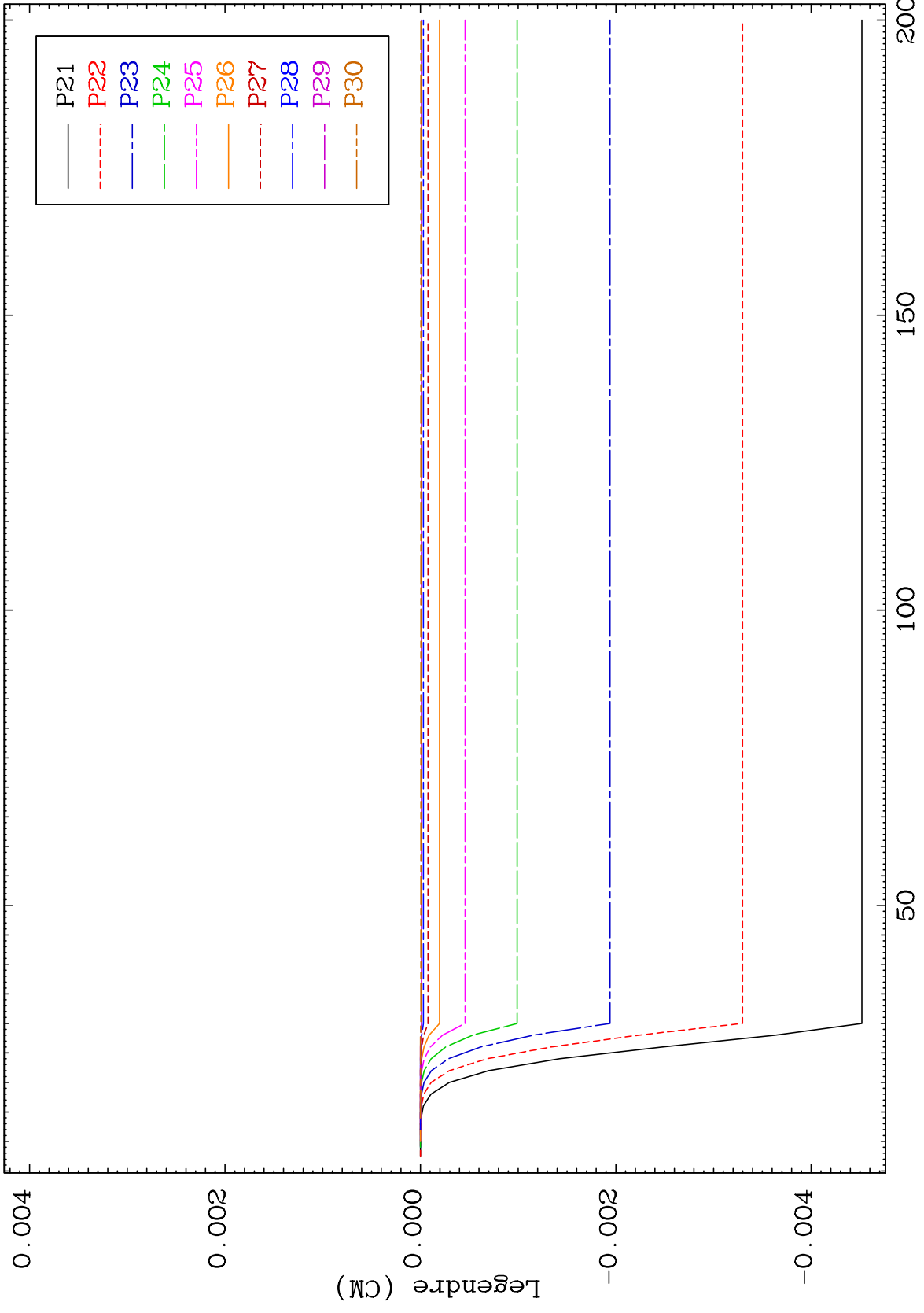
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



66

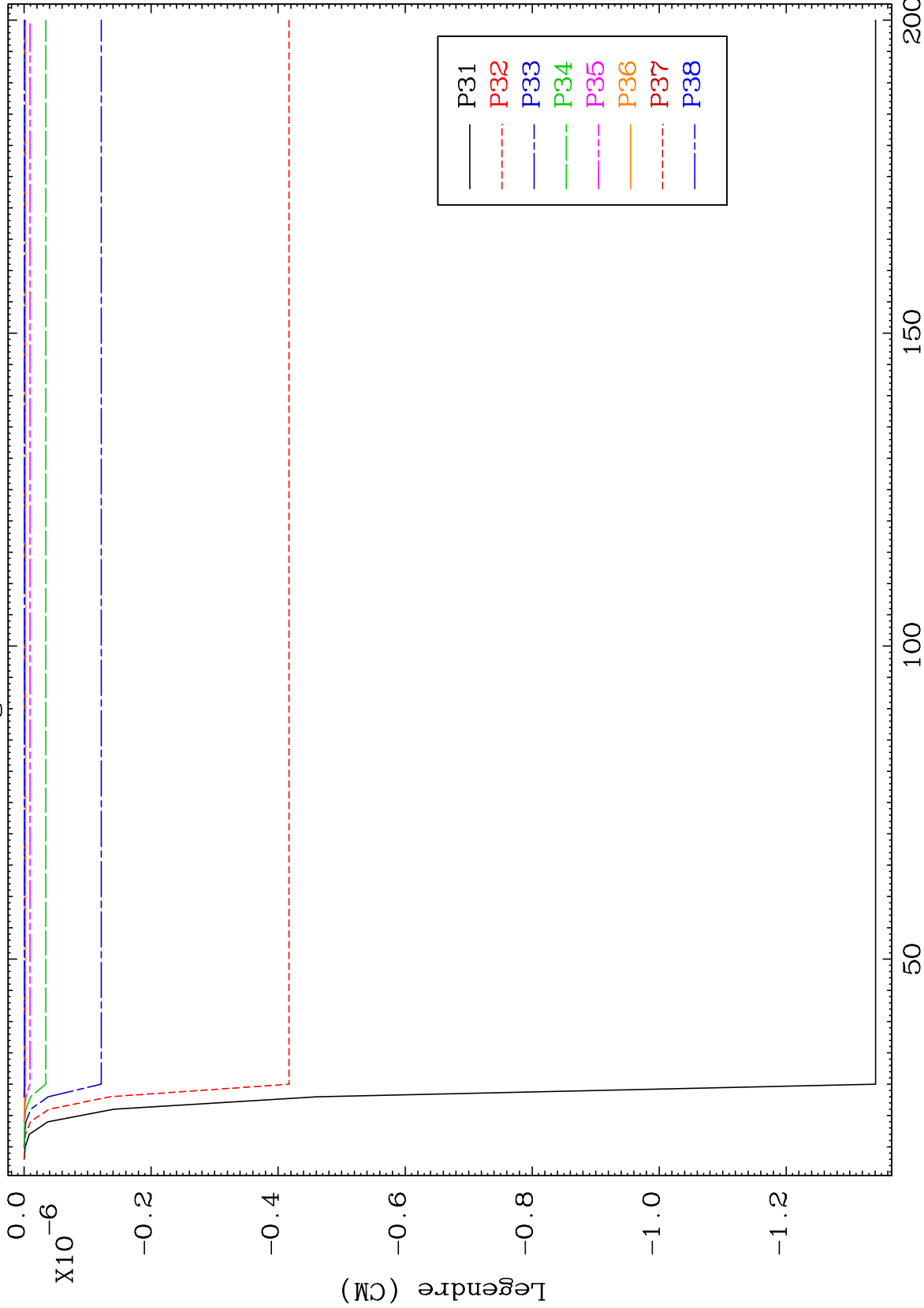
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



67

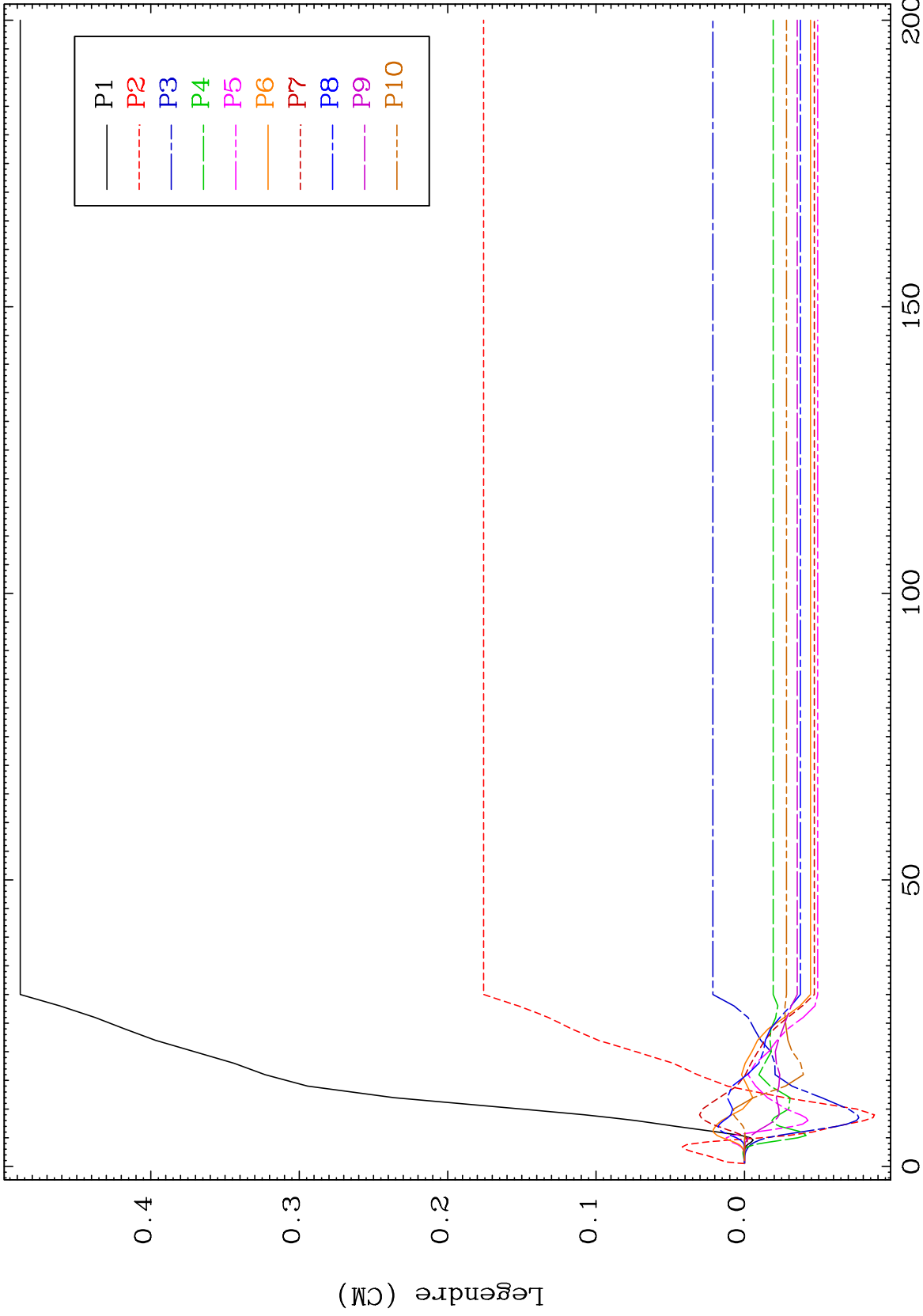
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



68

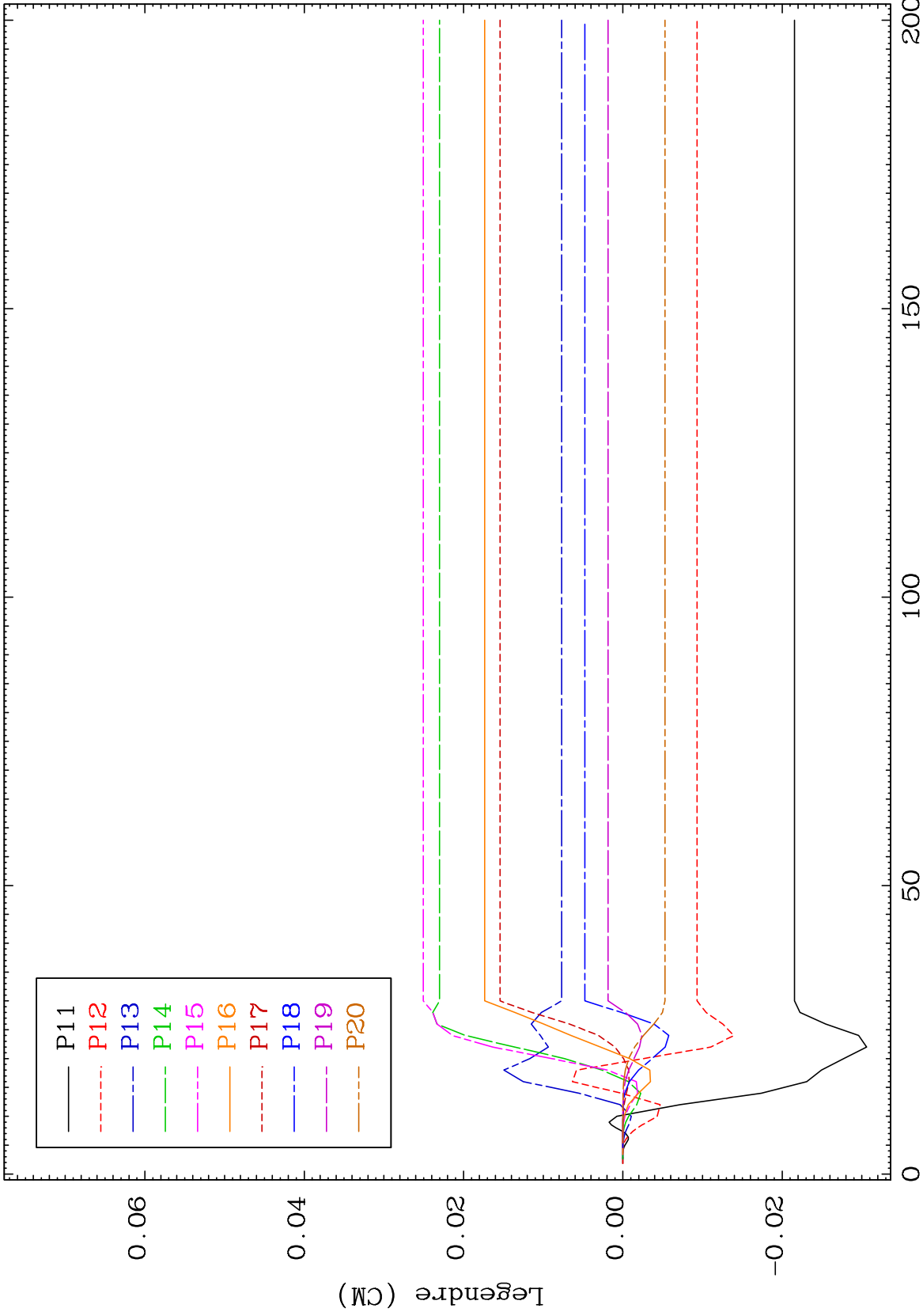
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



69

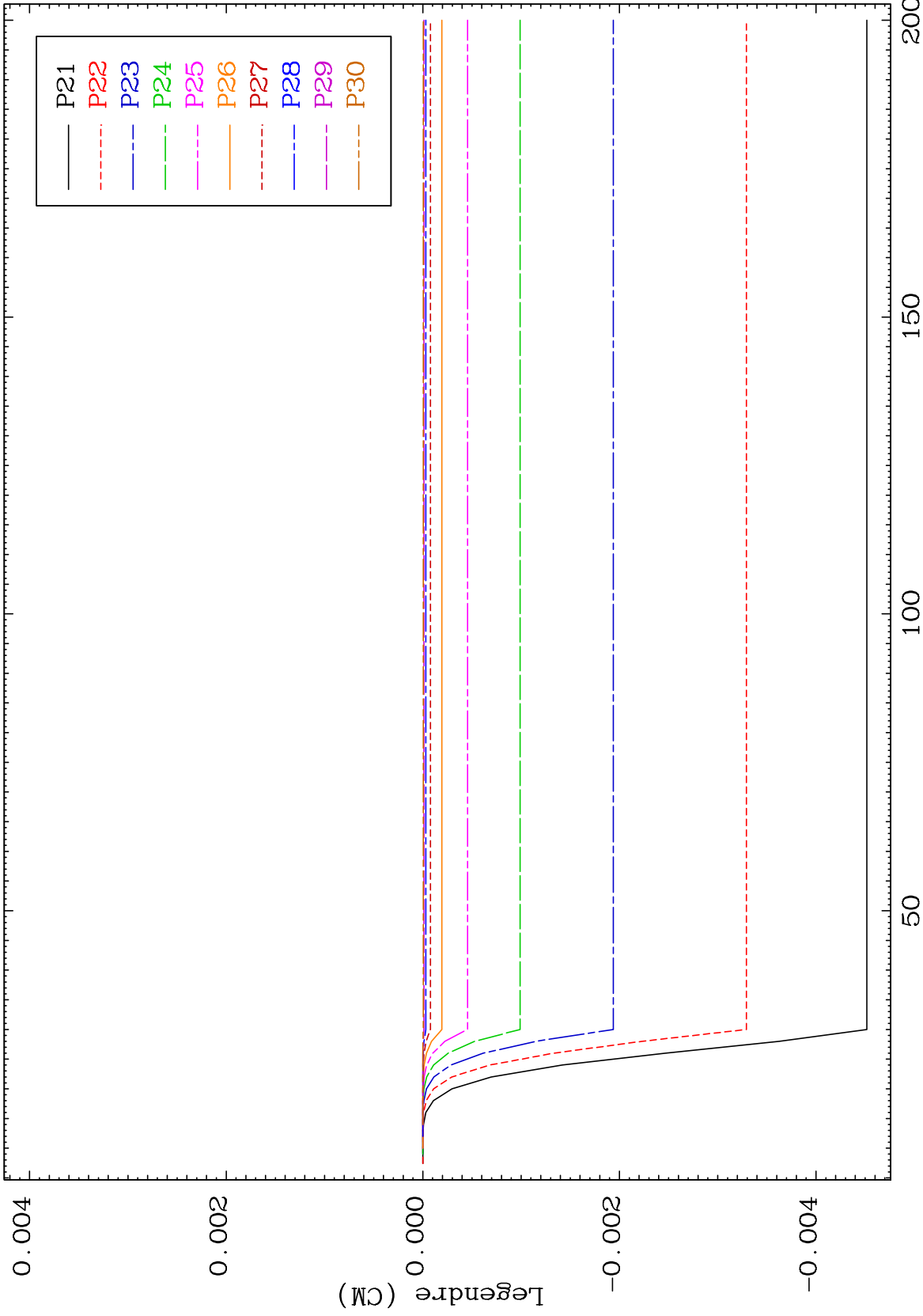
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



70

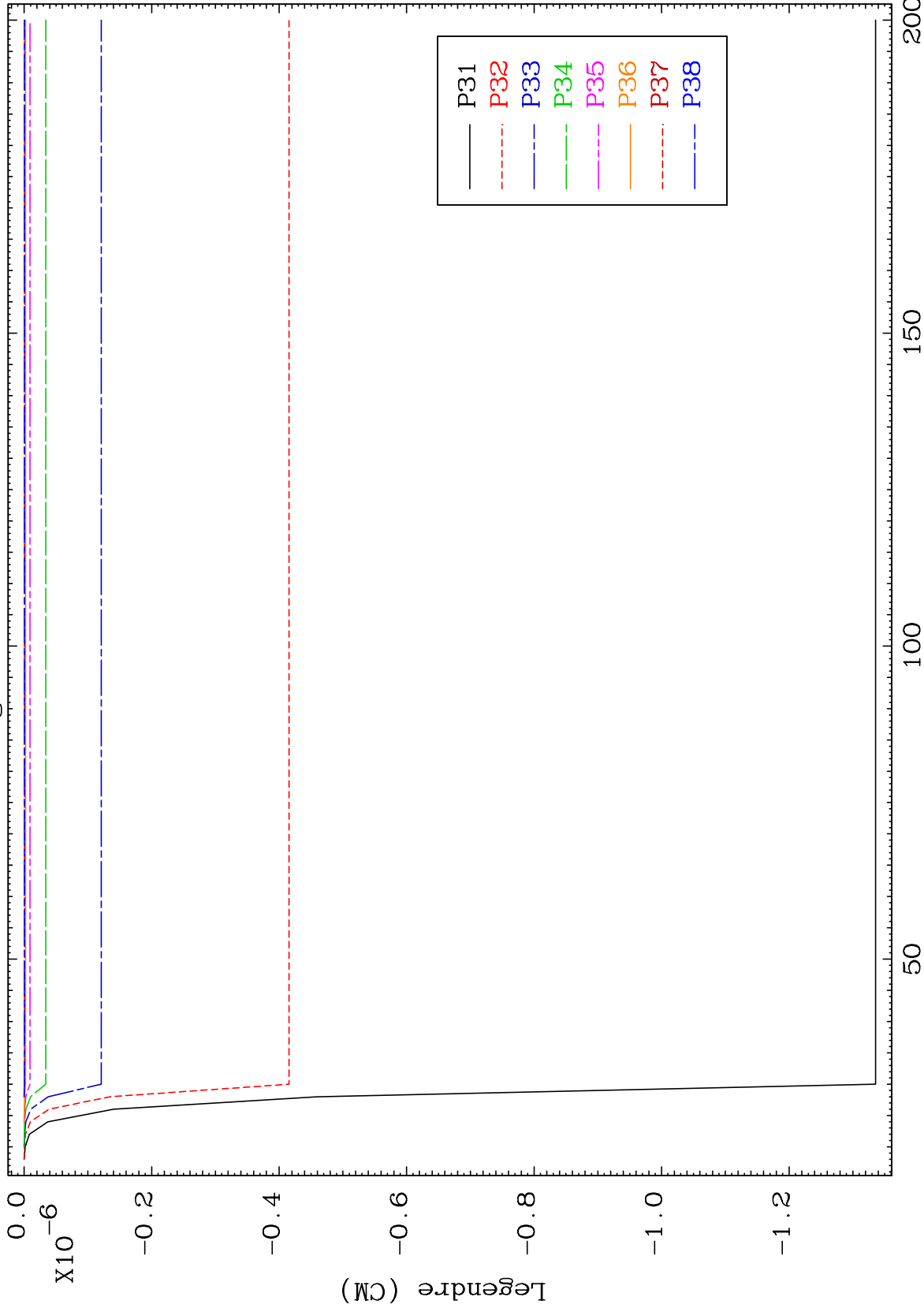
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



71

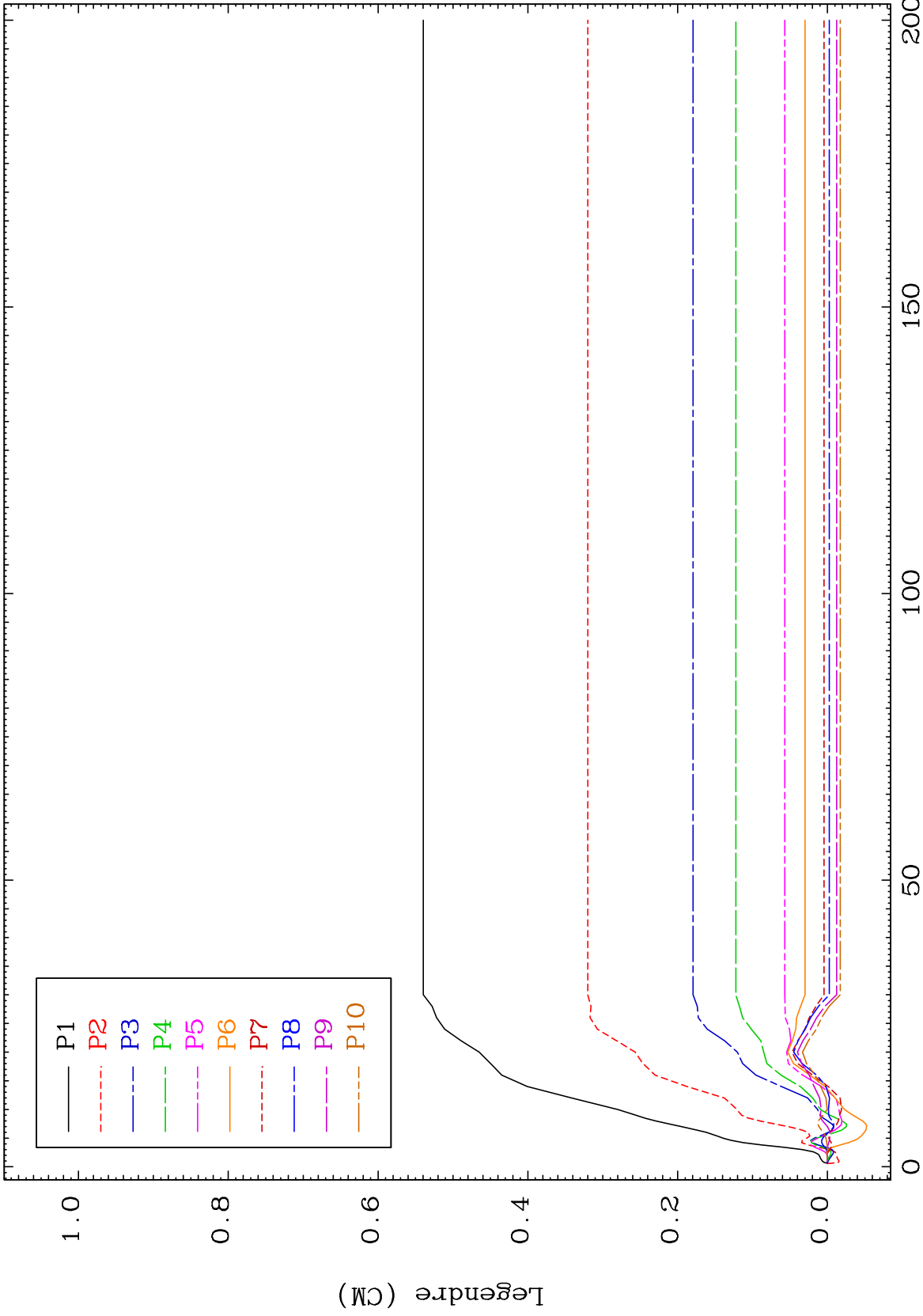
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



72

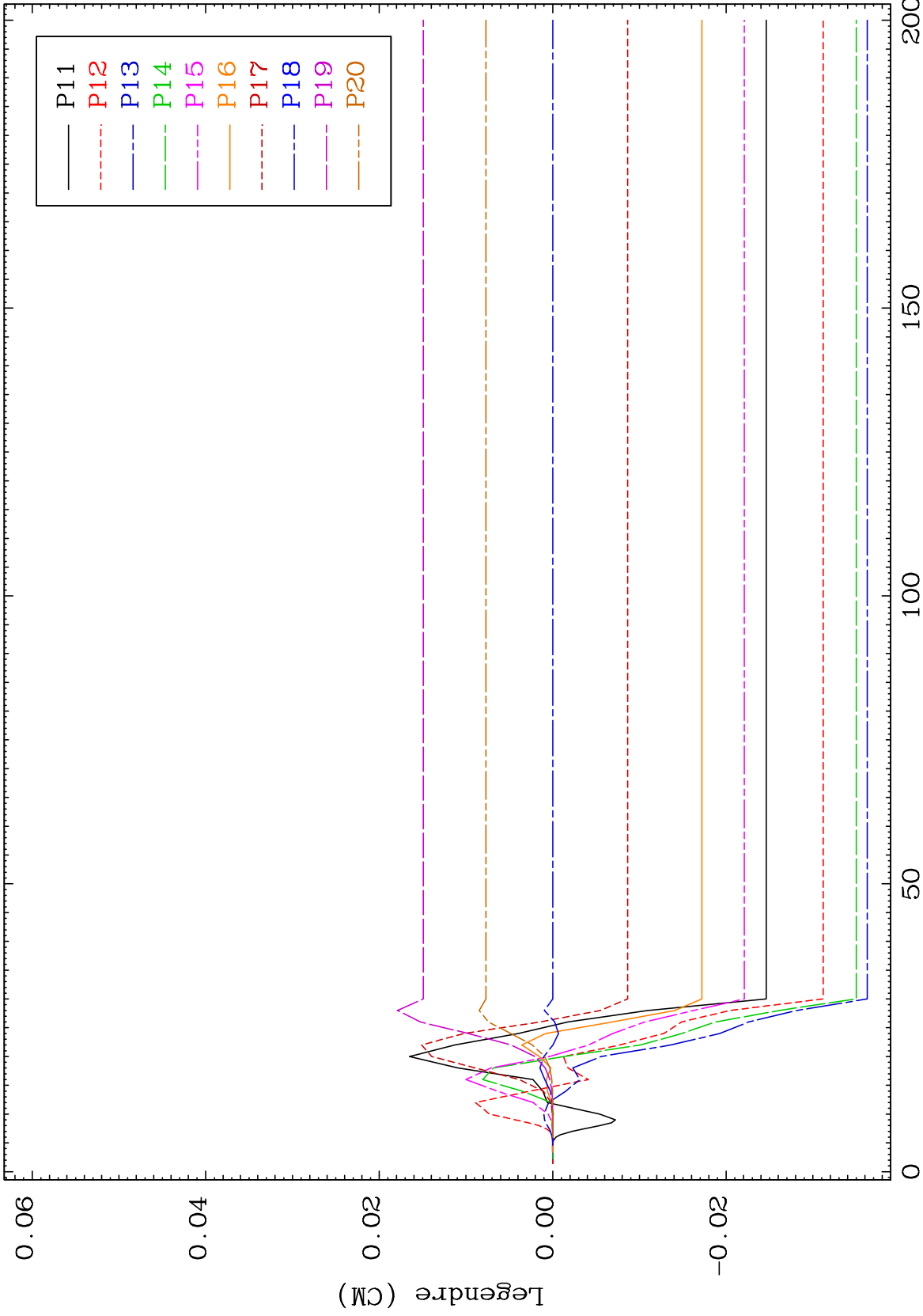
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



73

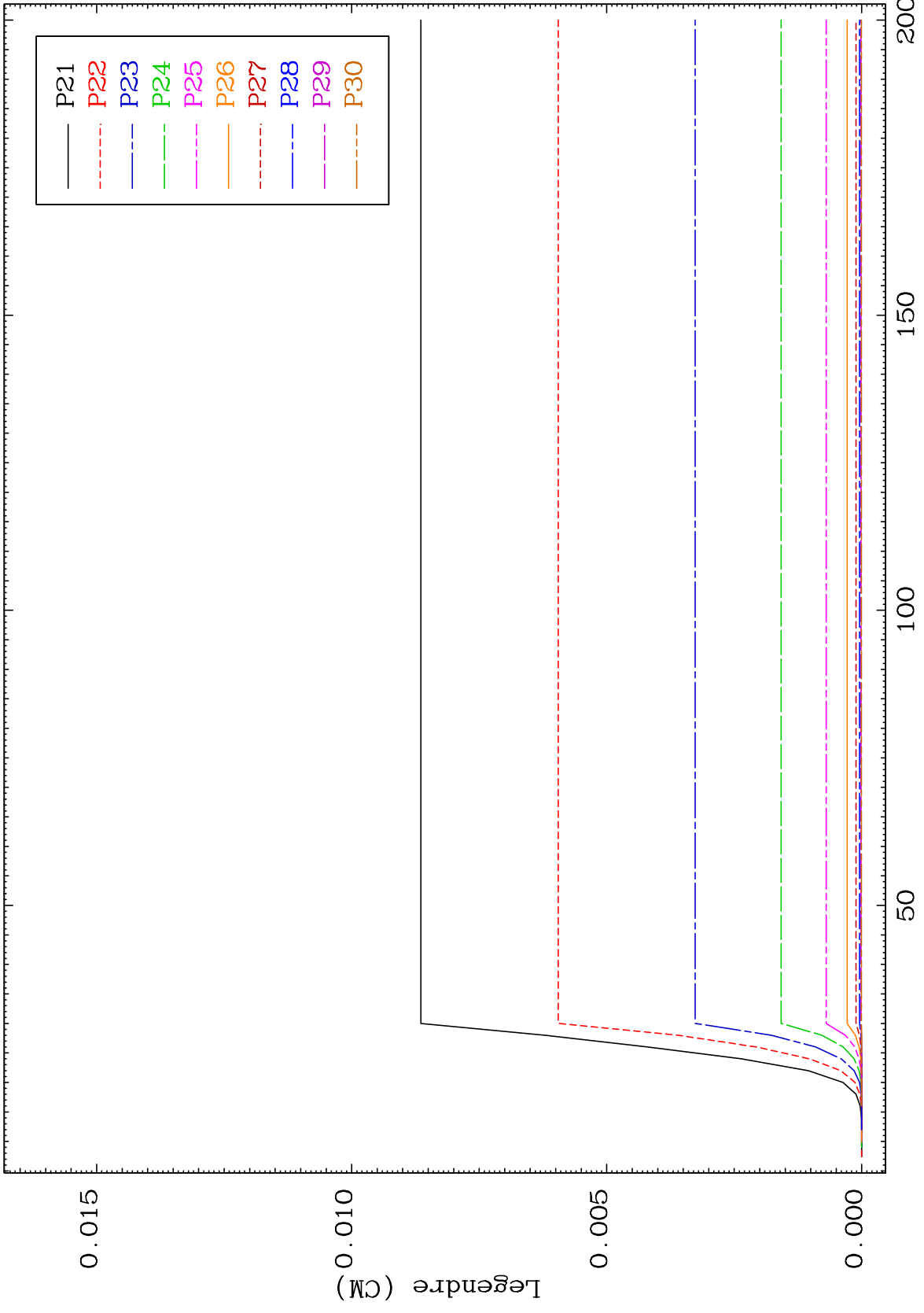
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



74

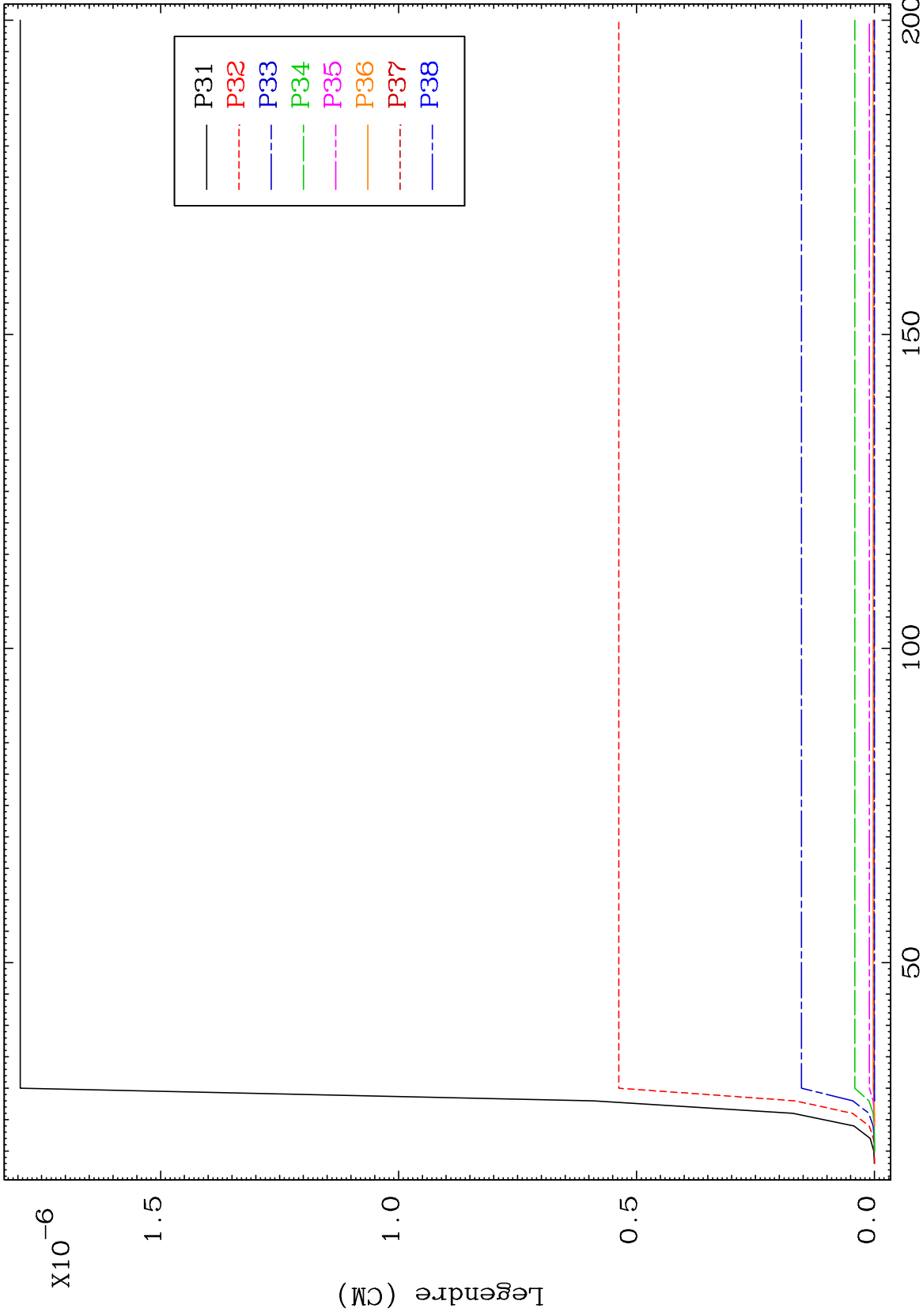
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



75

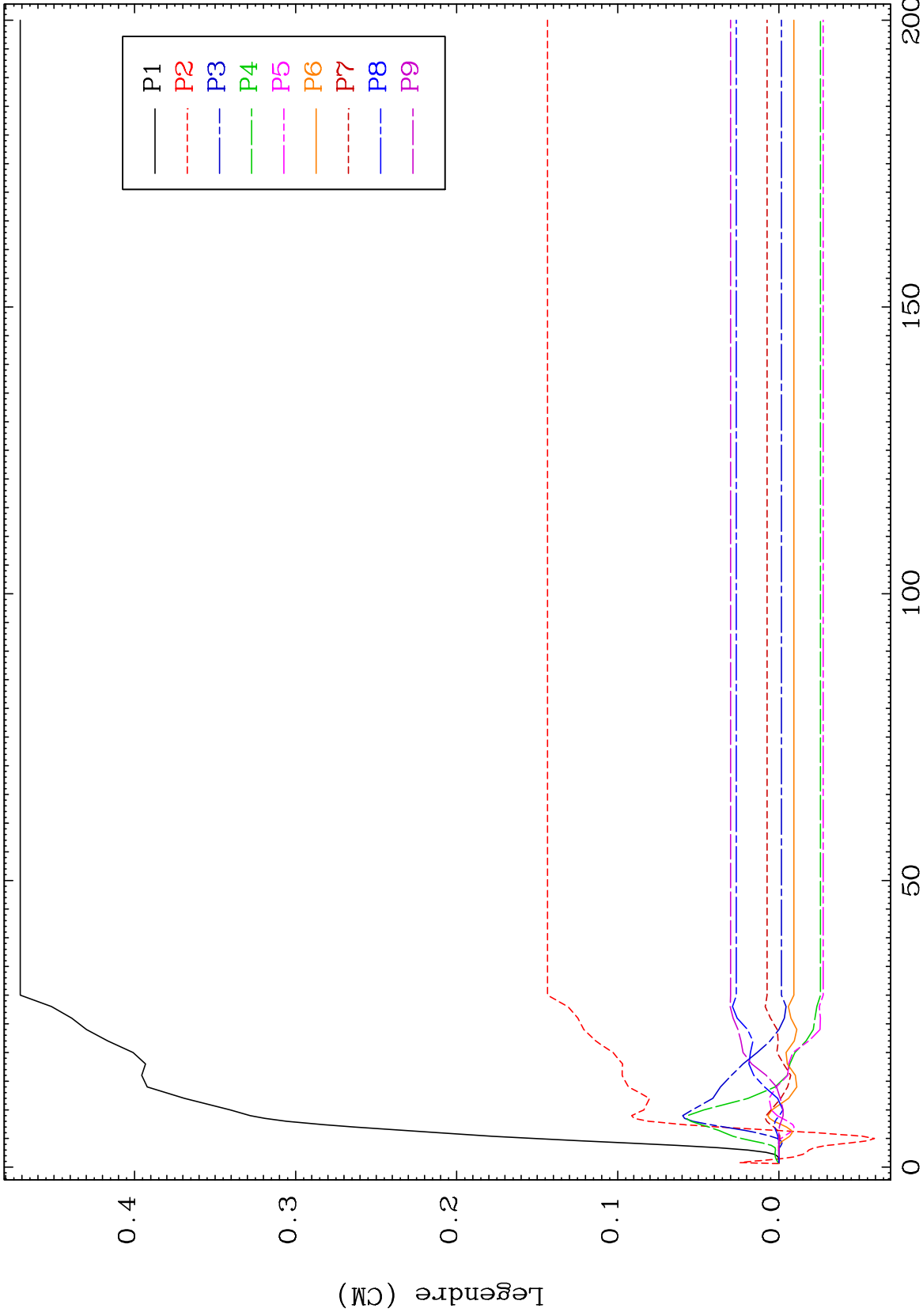
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



76

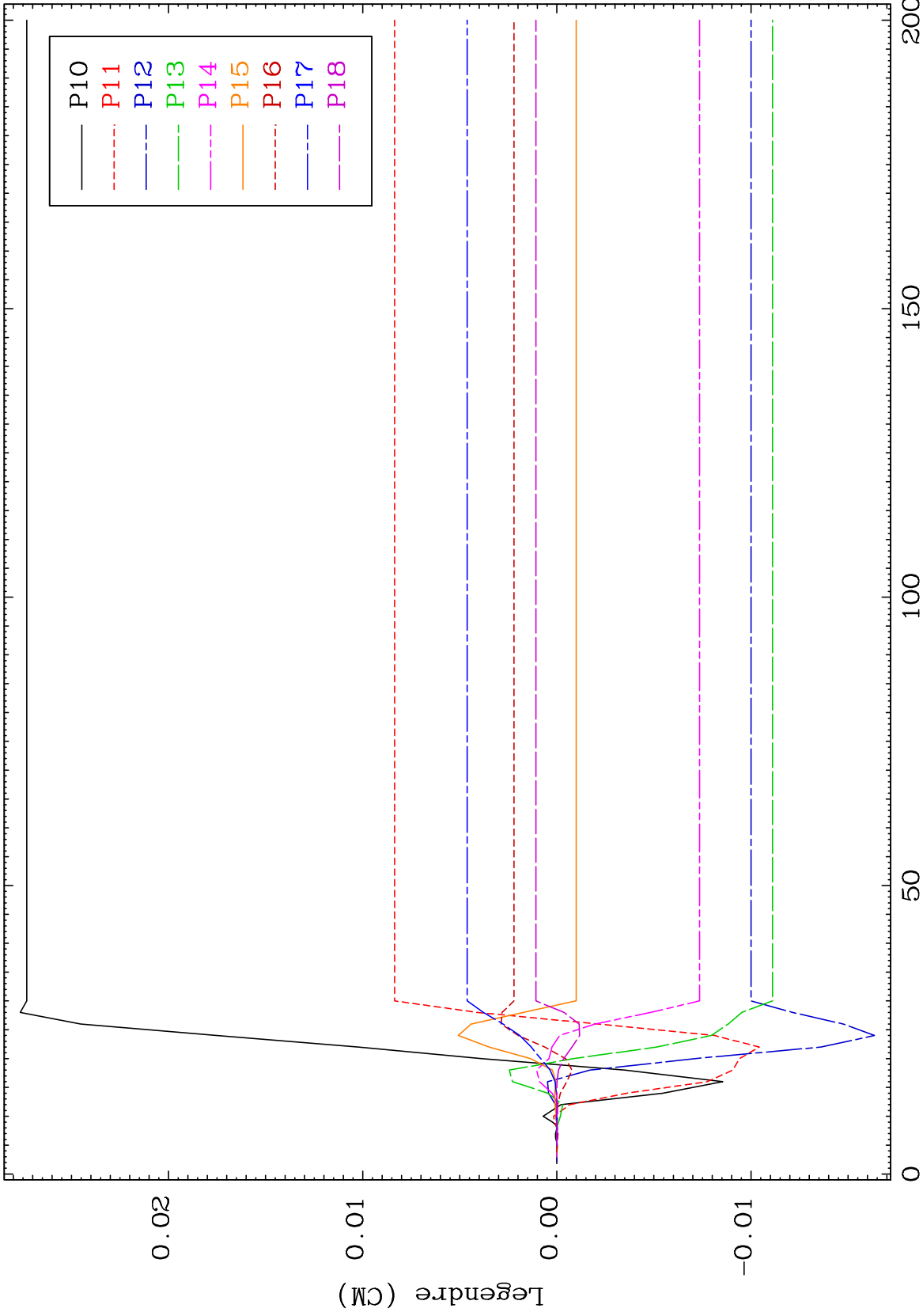
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77

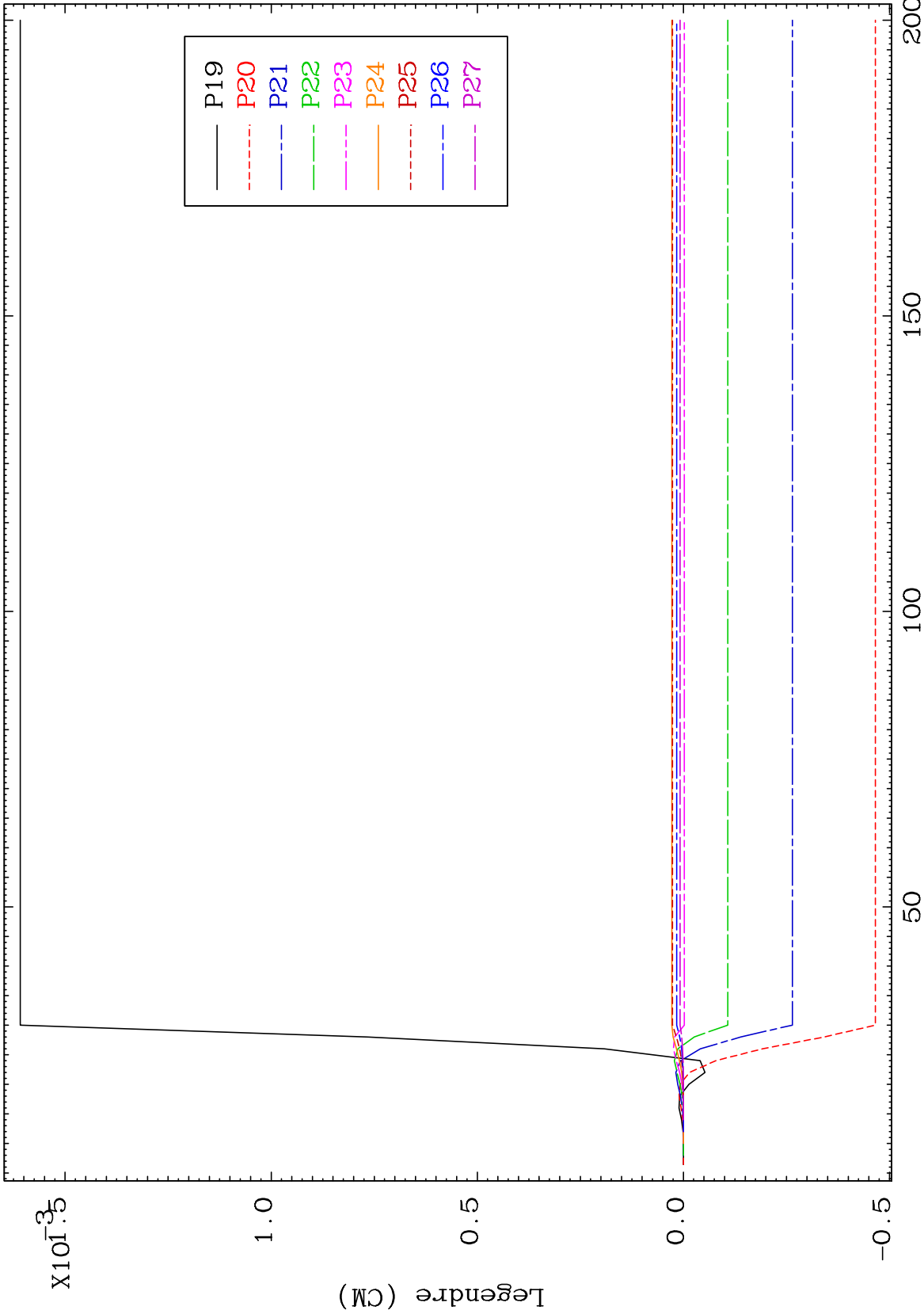
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



78

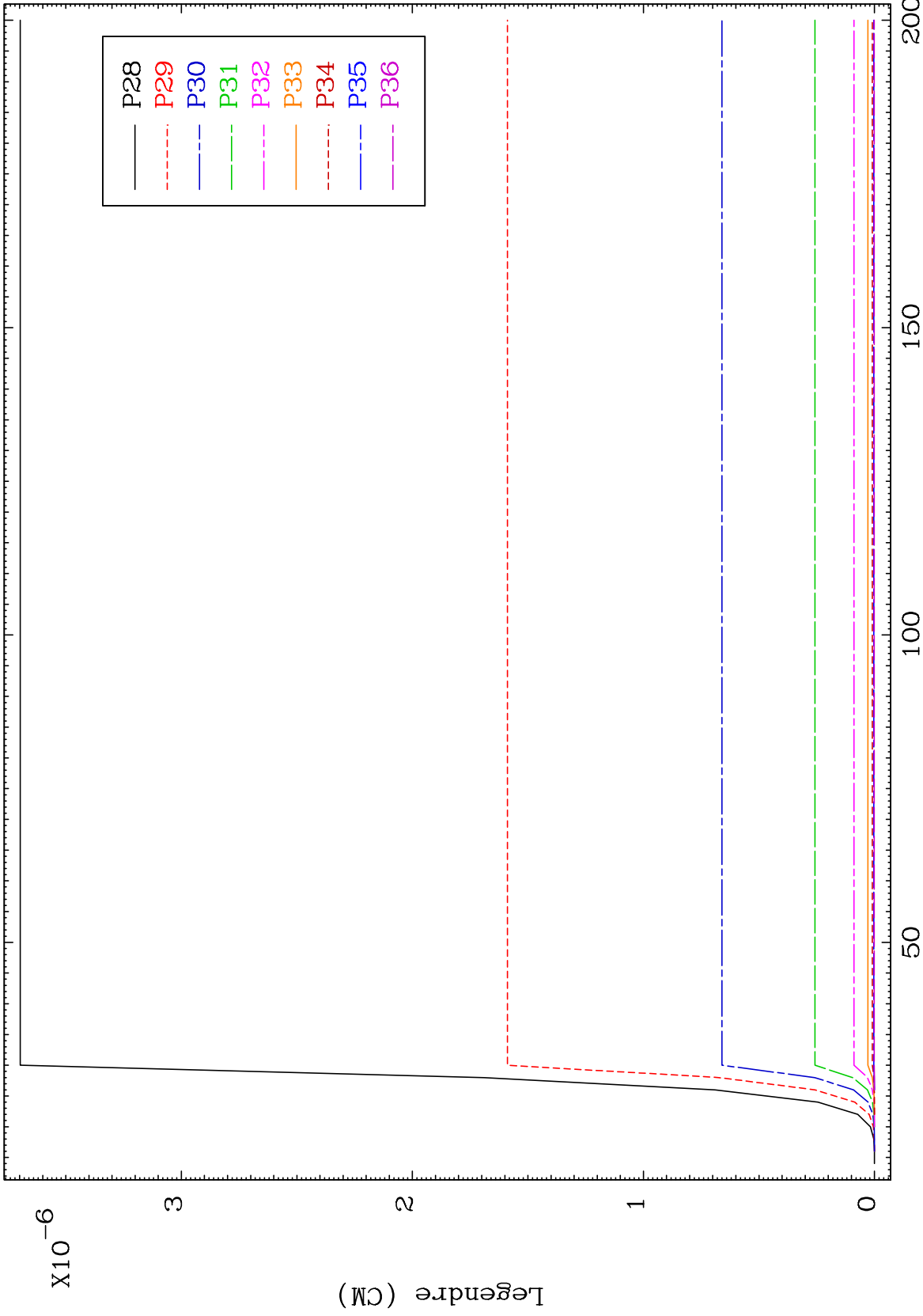
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



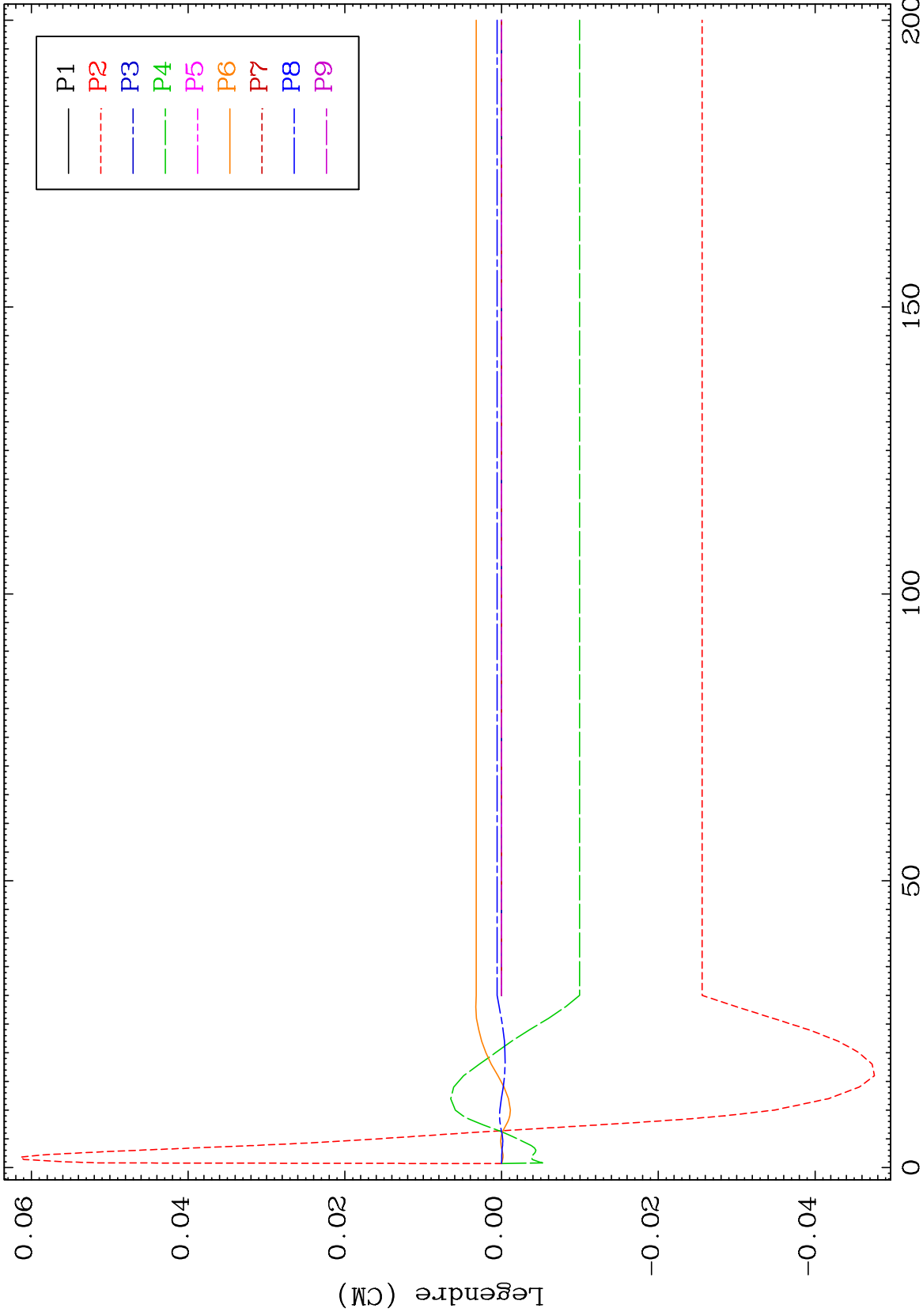
79

77-Ir-187

MAT 7713

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

77-Ir-187



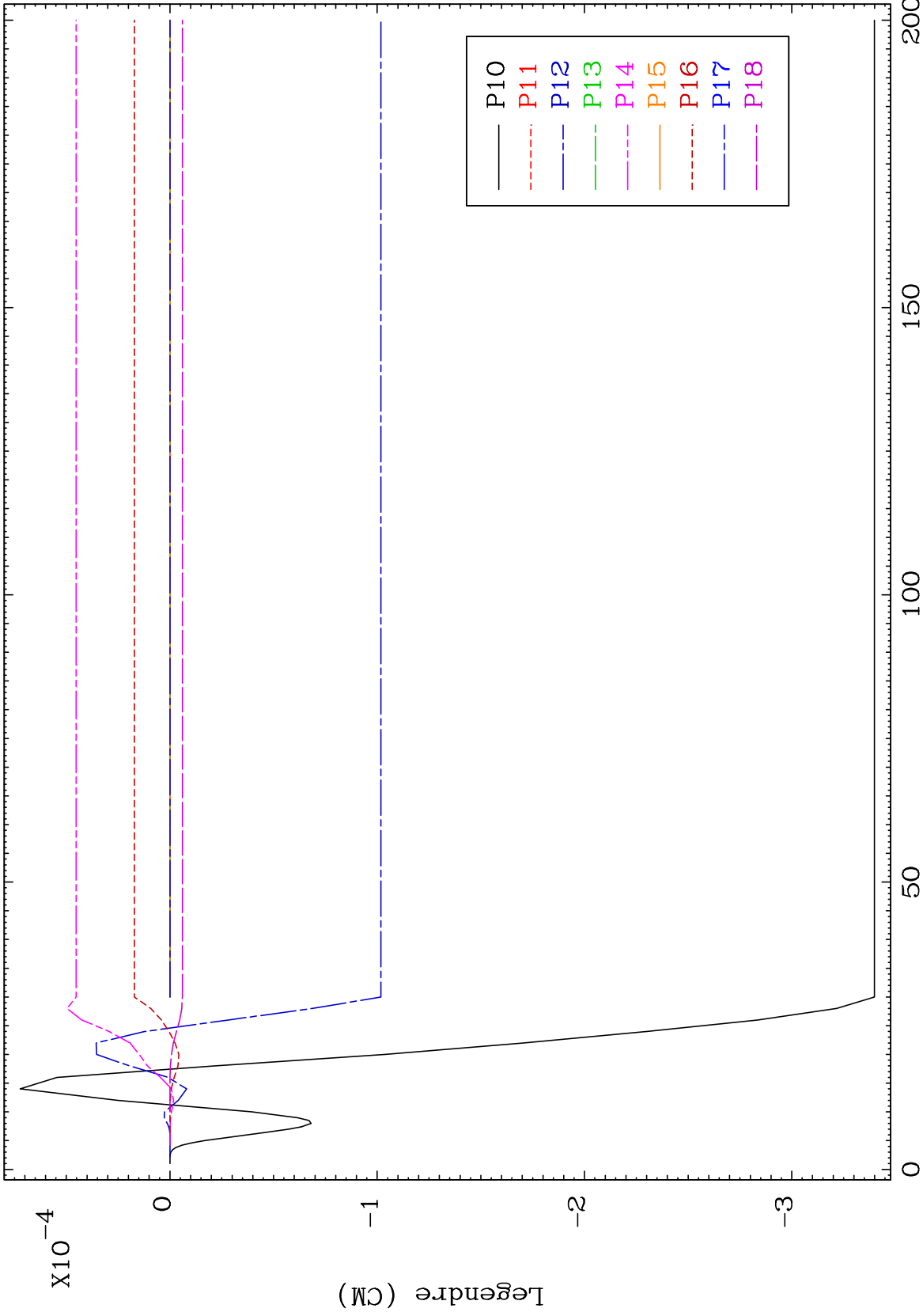
77-Ir-187

Incident Energy (MeV)

MAT 7713

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

77-Ir-187



81

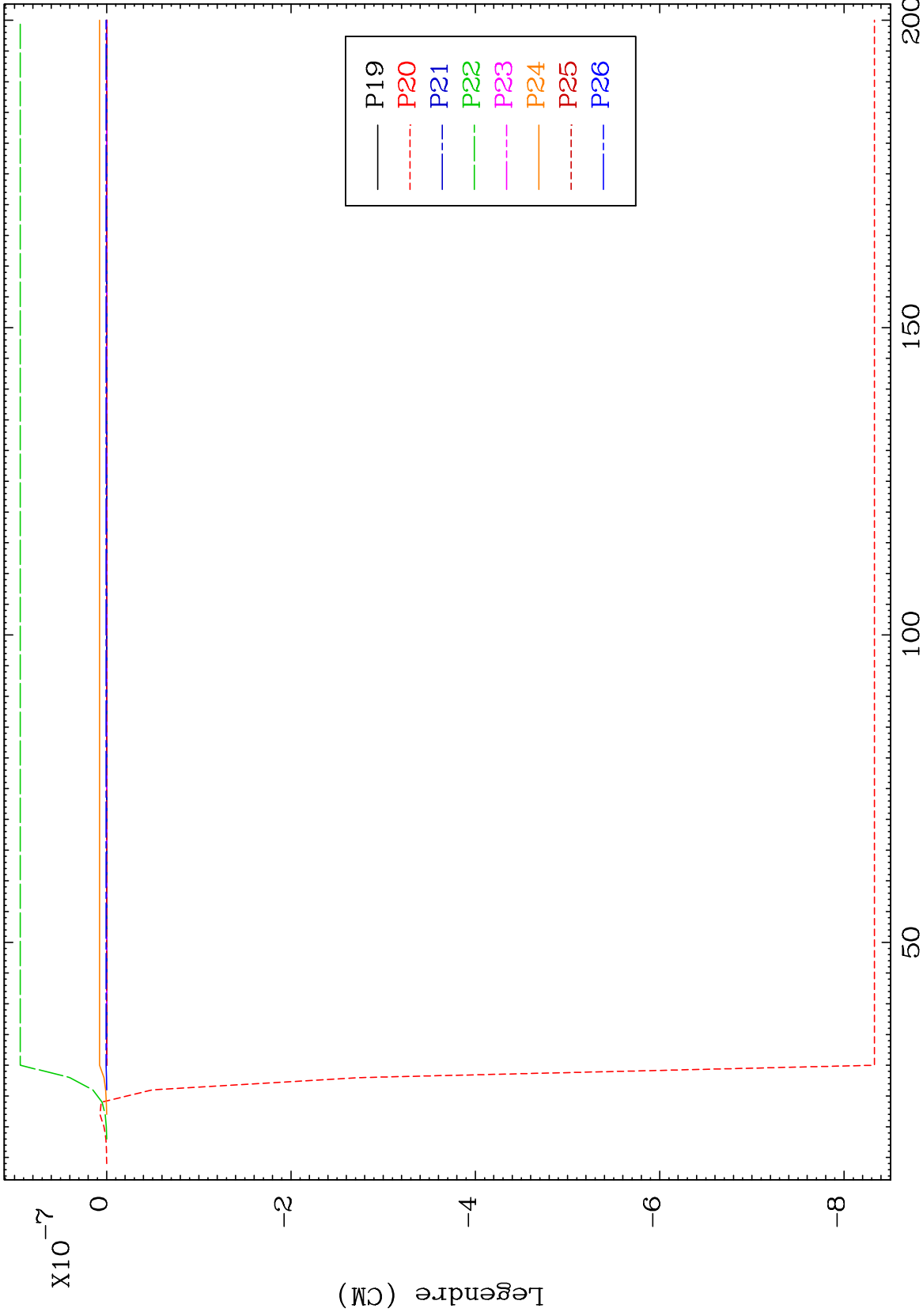
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



82

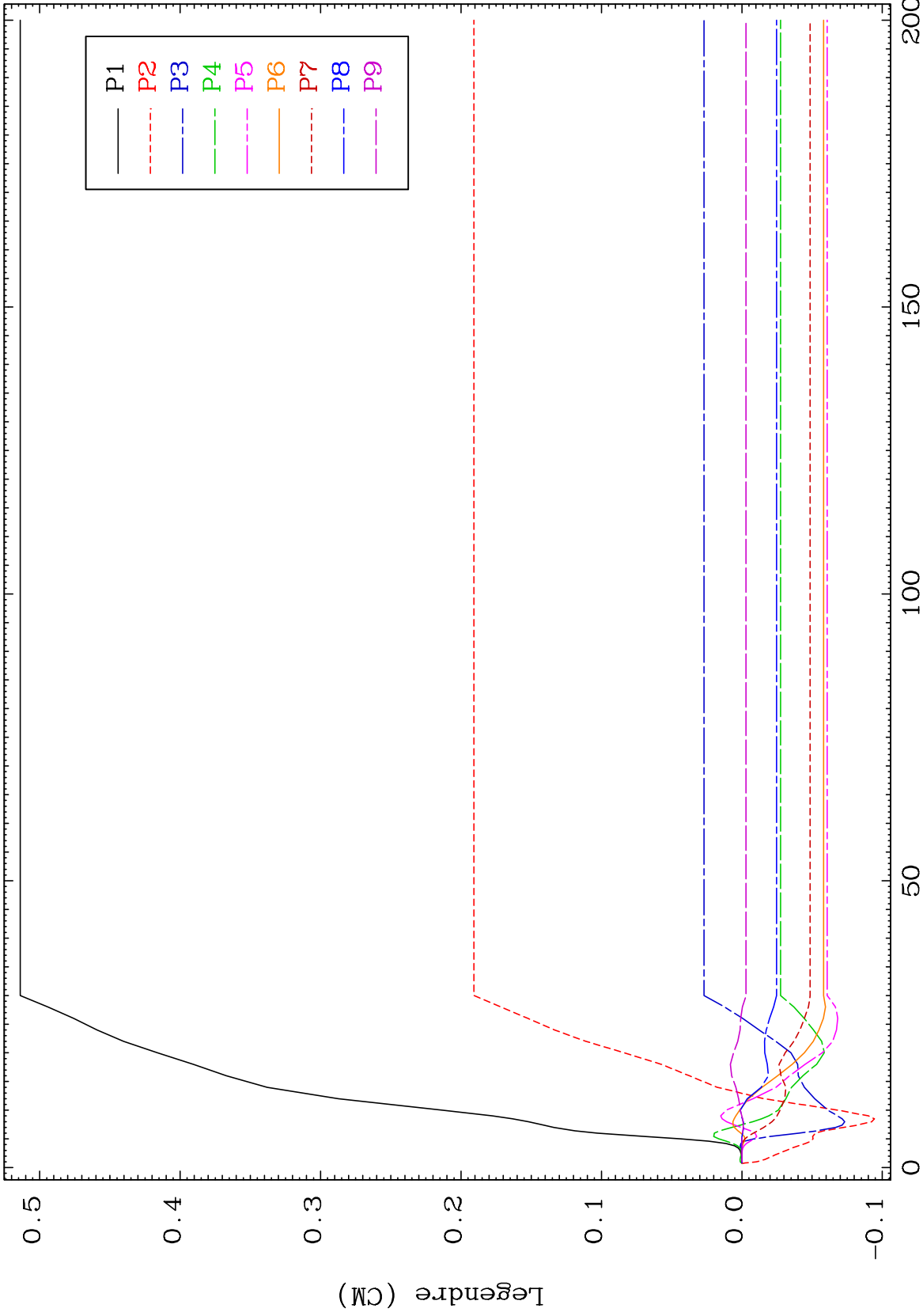
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



83

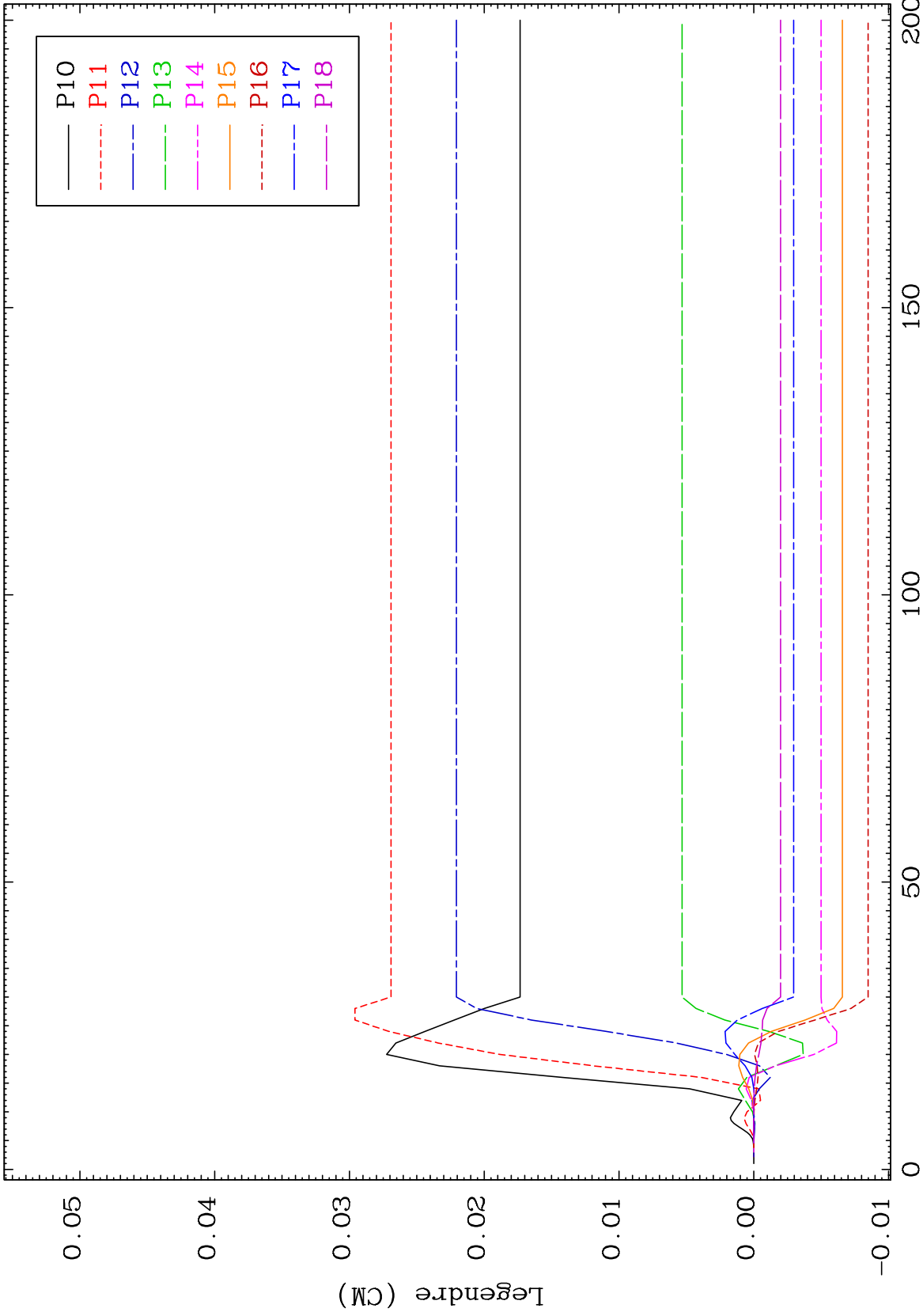
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



84

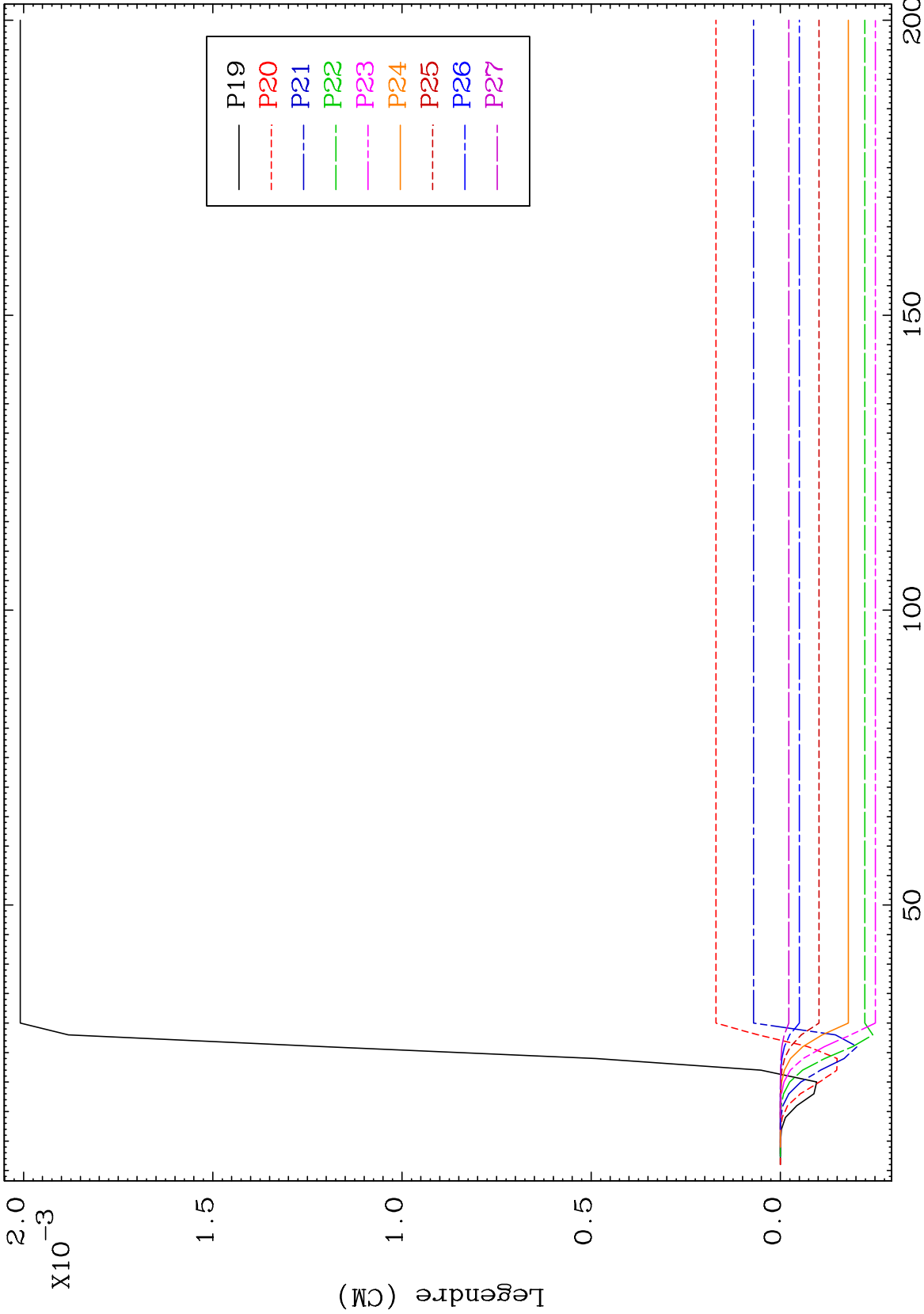
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



85

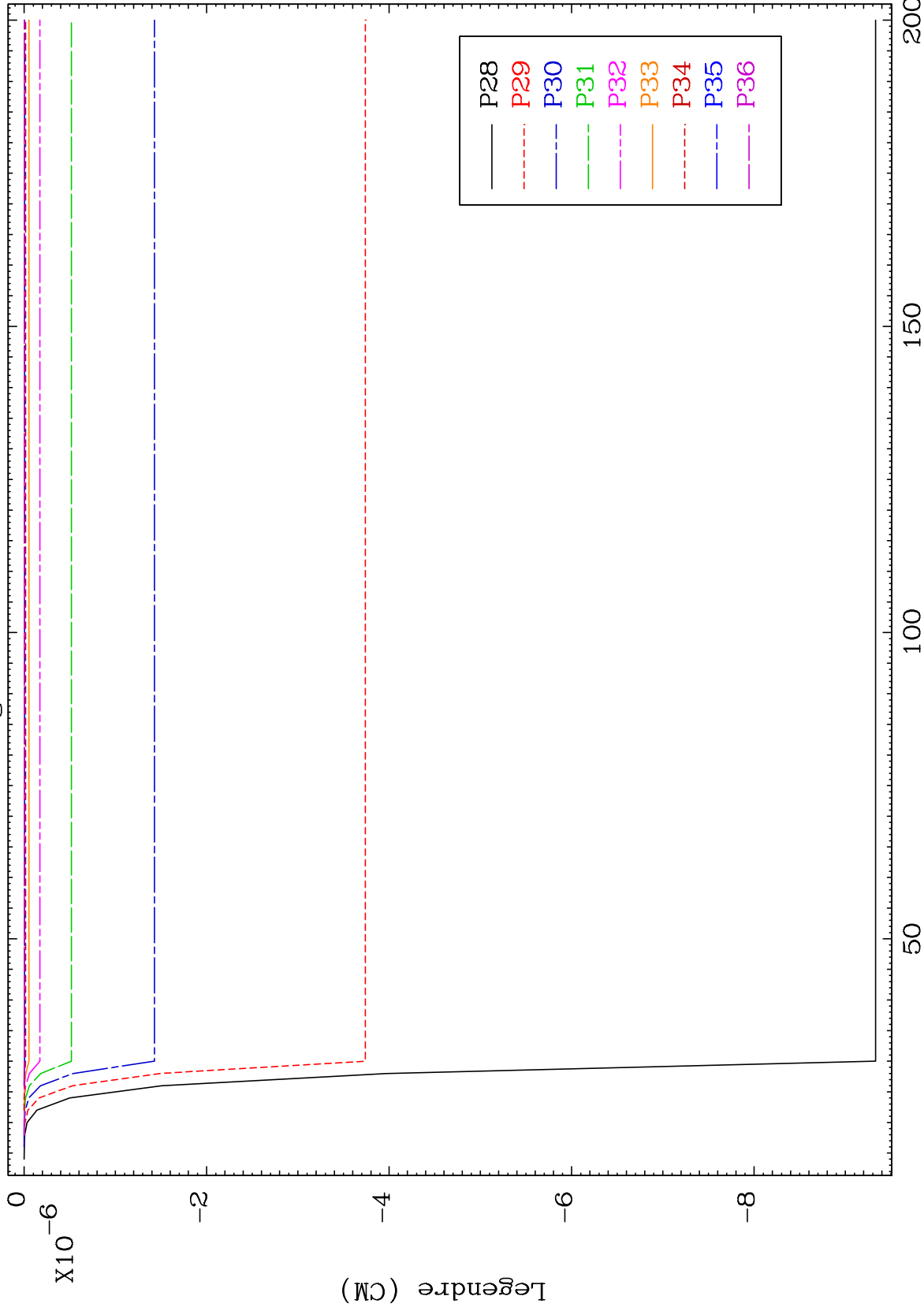
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



86

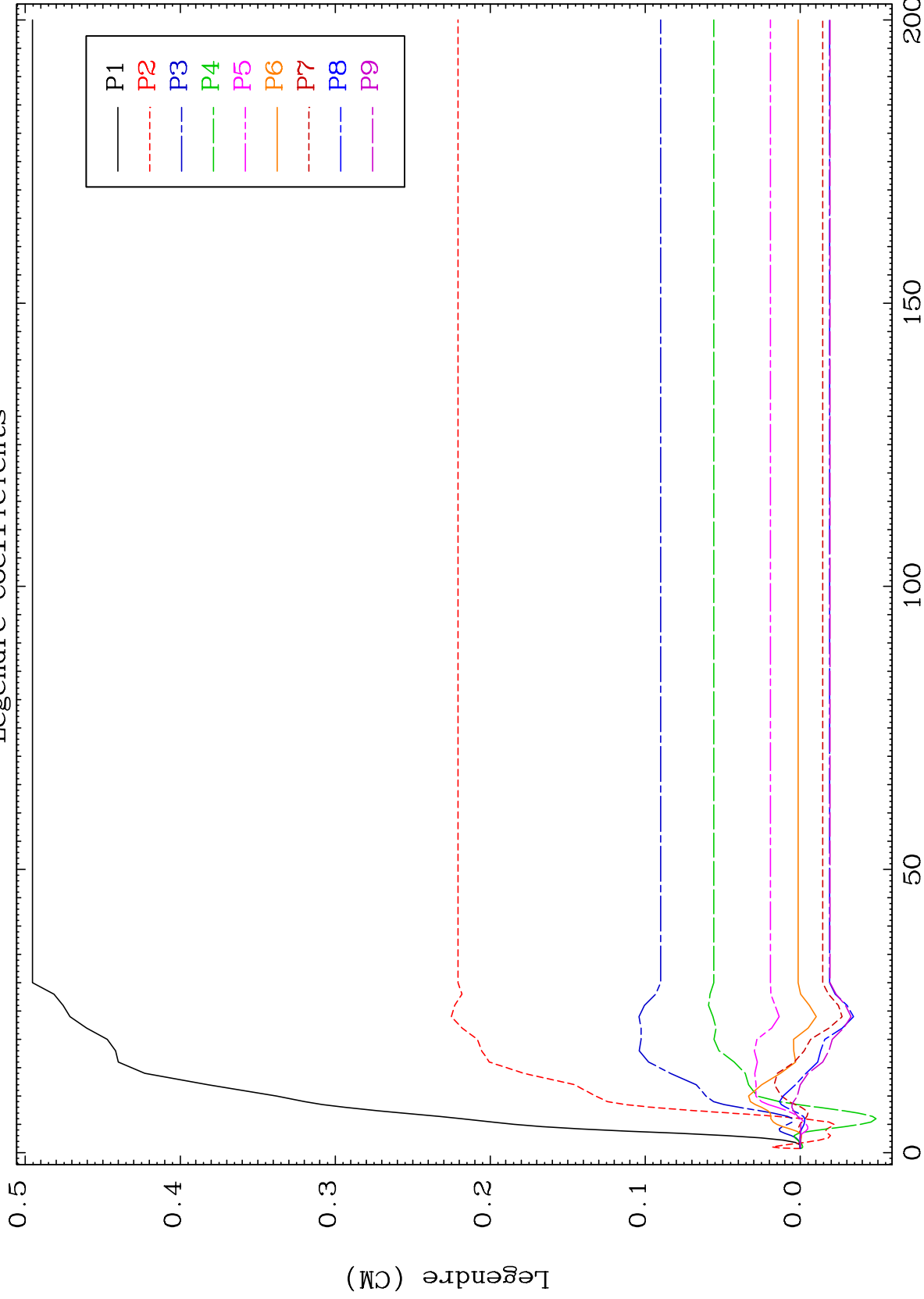
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



87

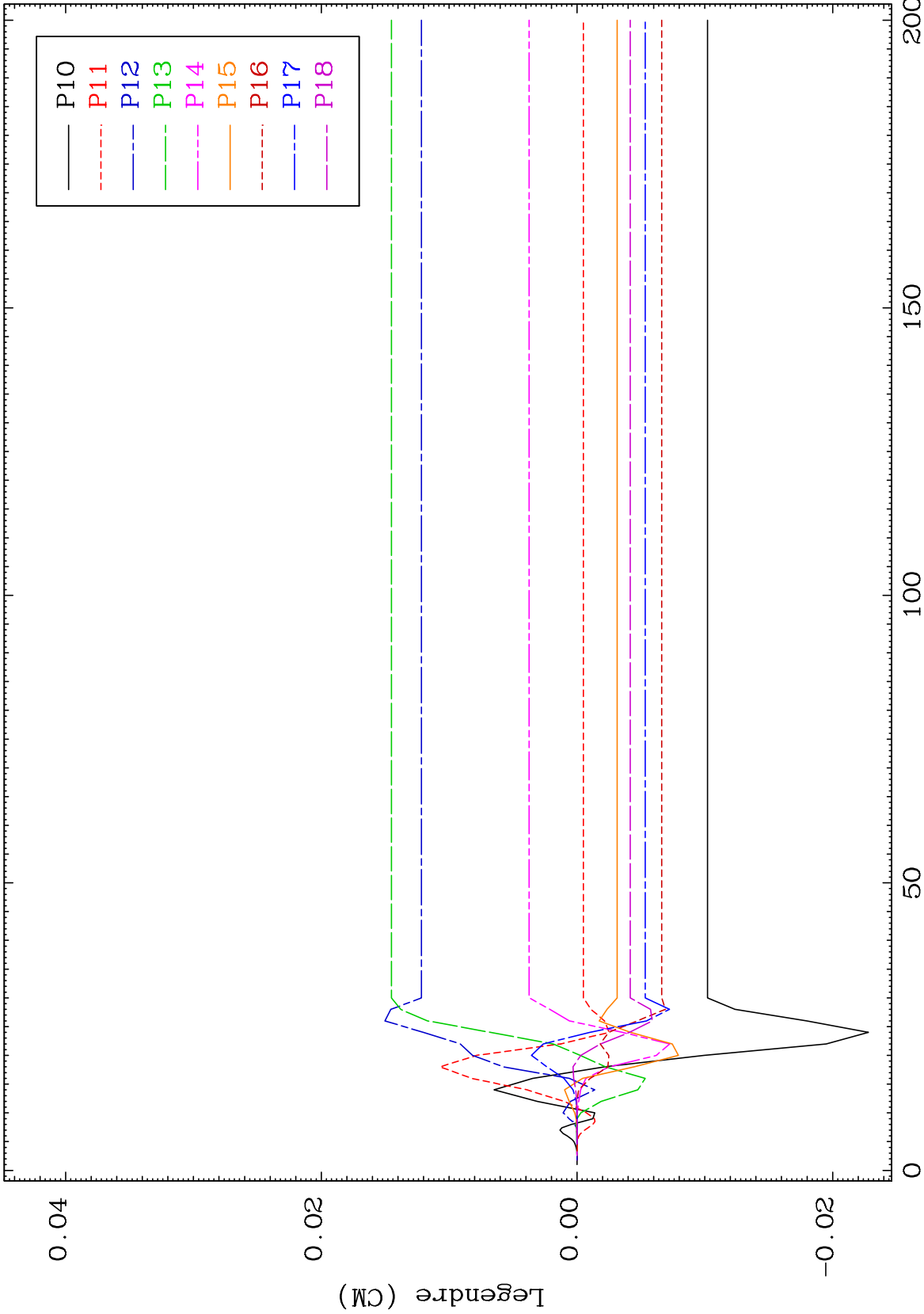
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



88

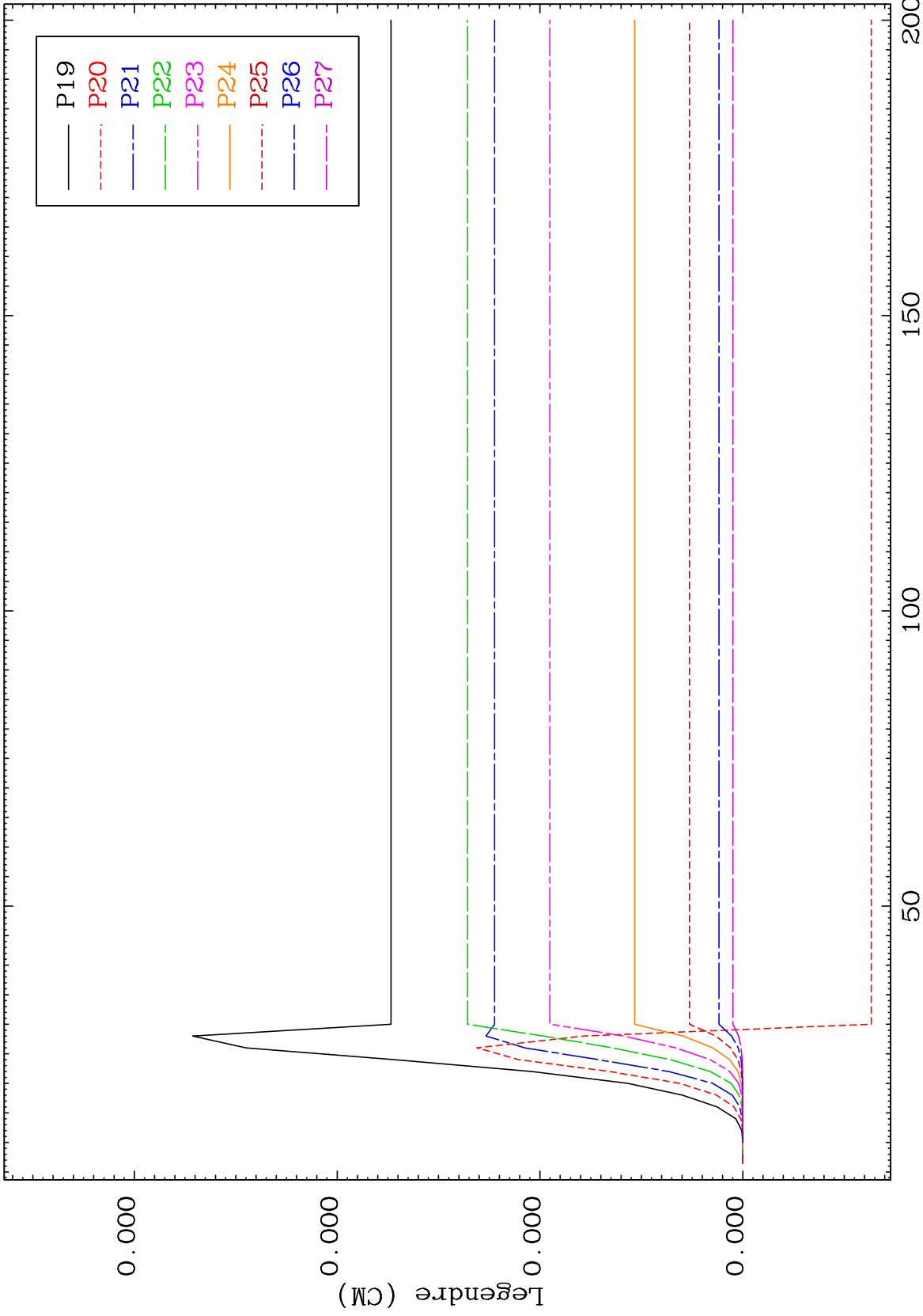
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



89

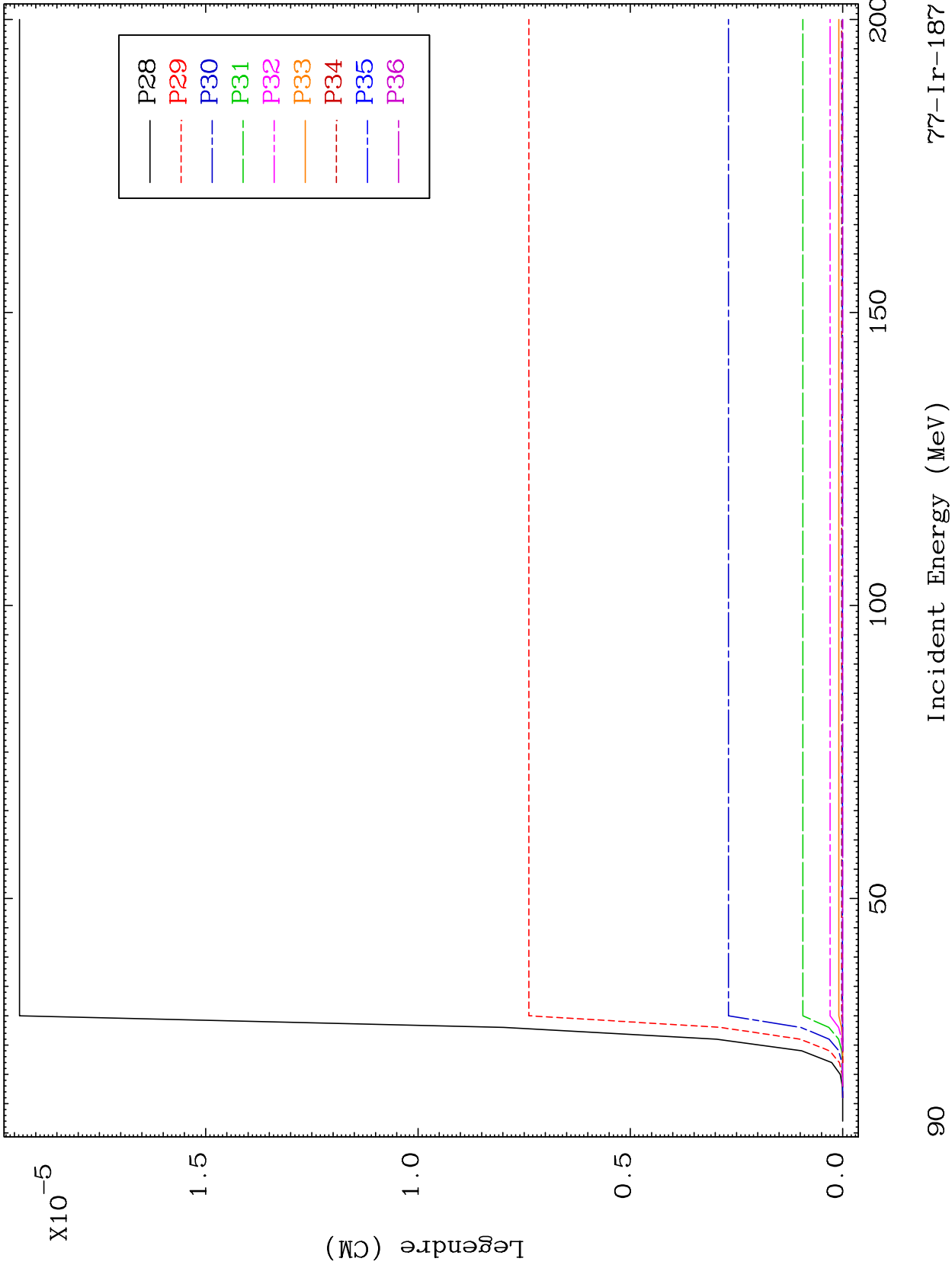
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



90

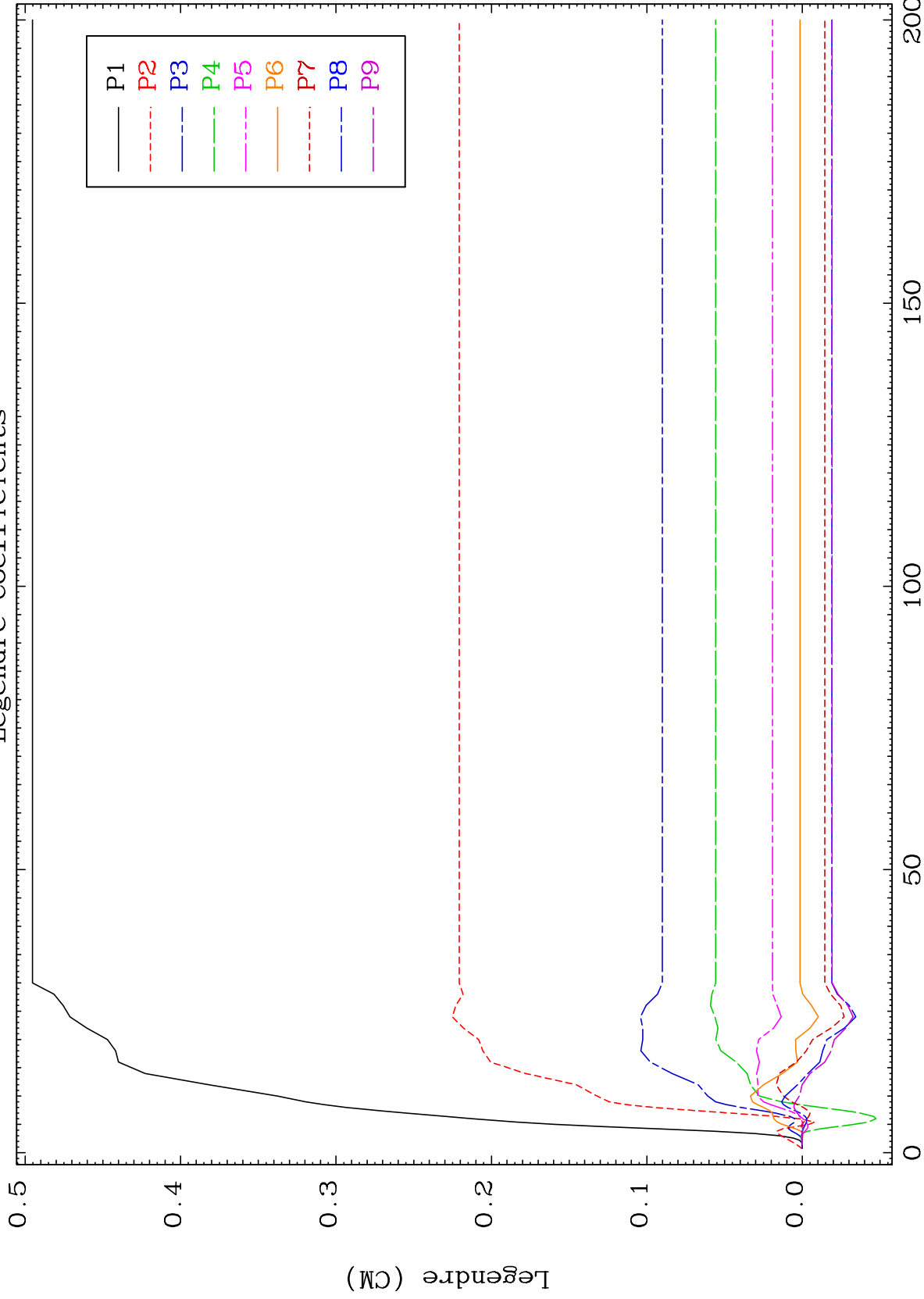
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



91

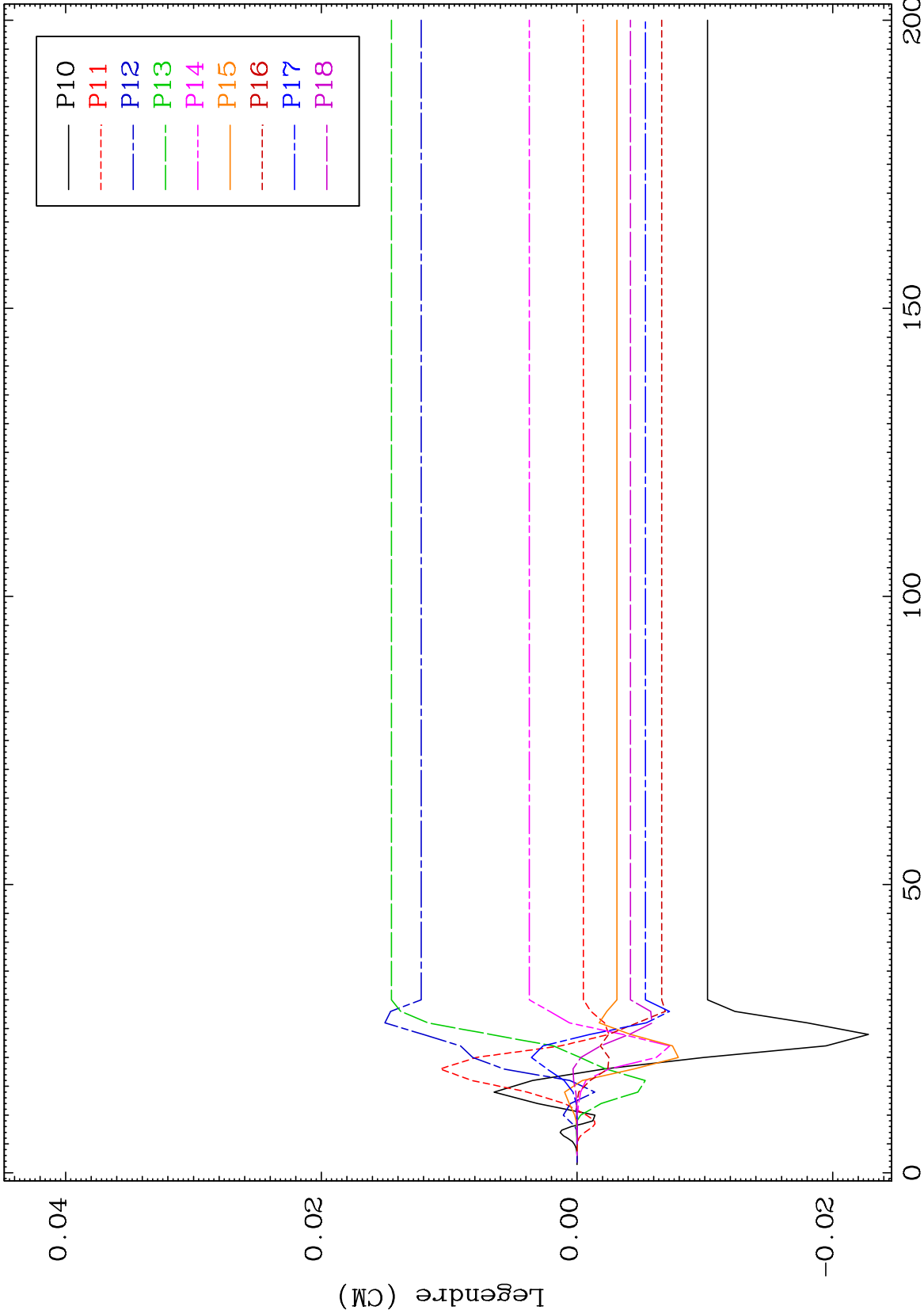
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



92

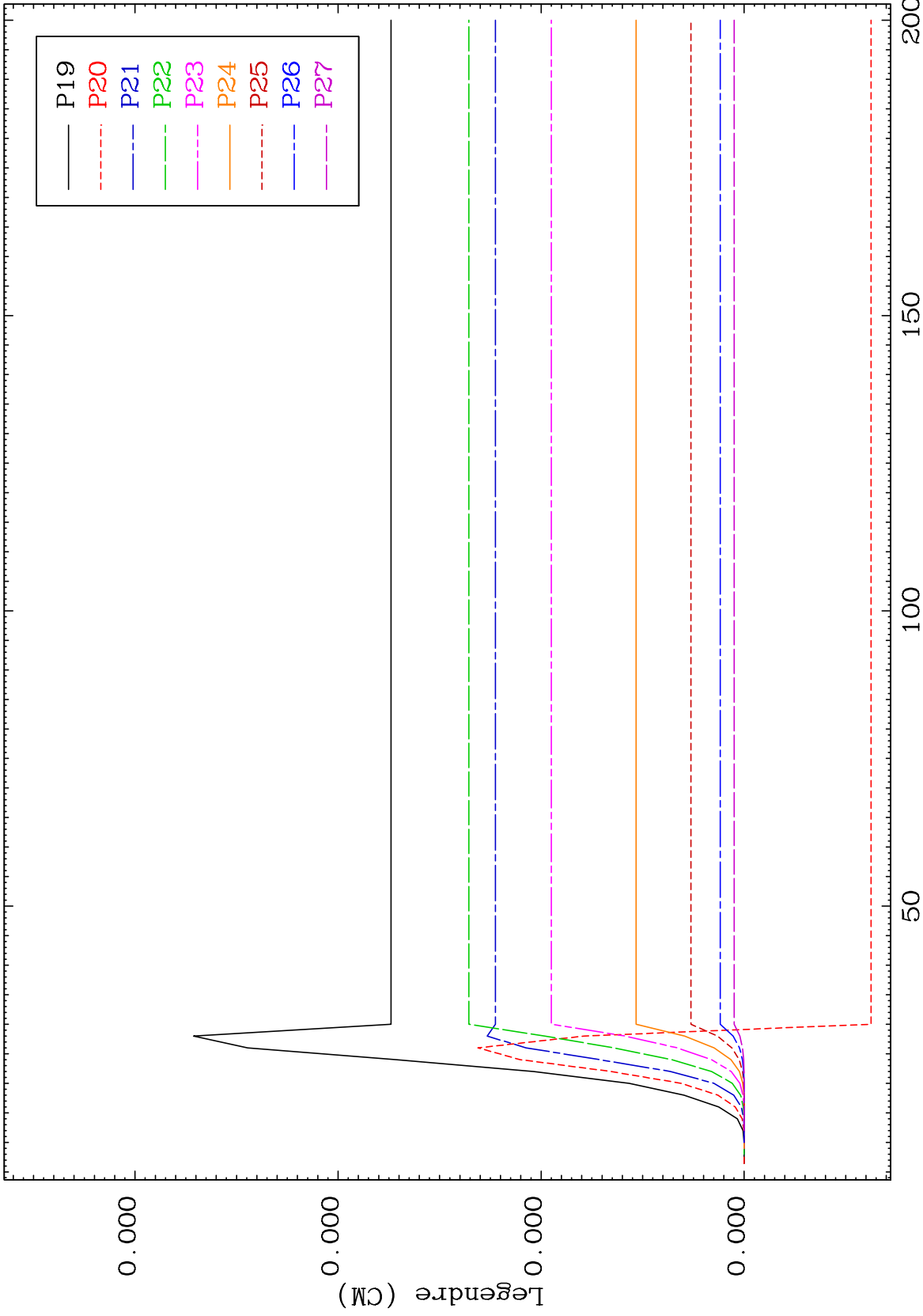
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



93

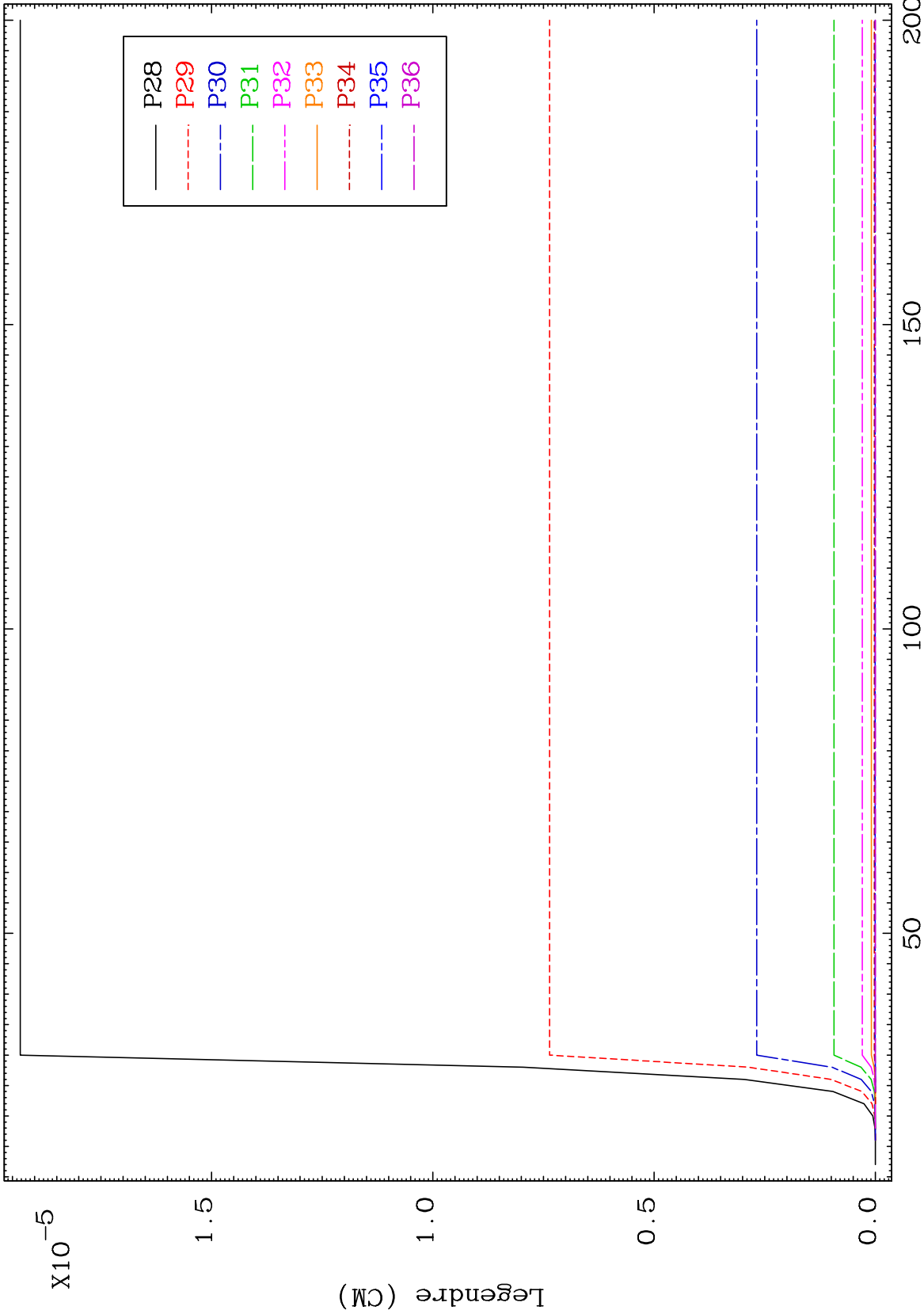
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



94

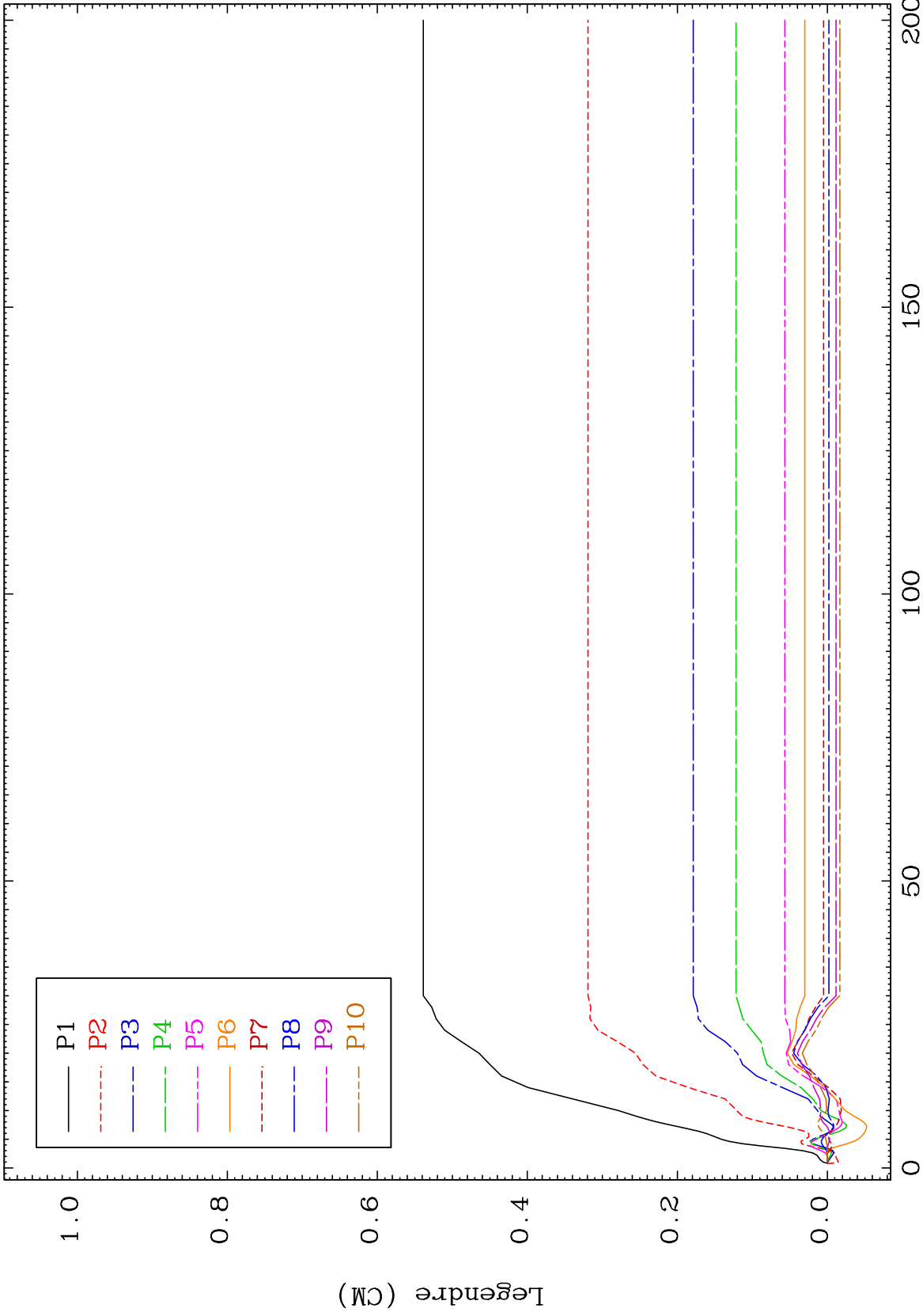
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



95

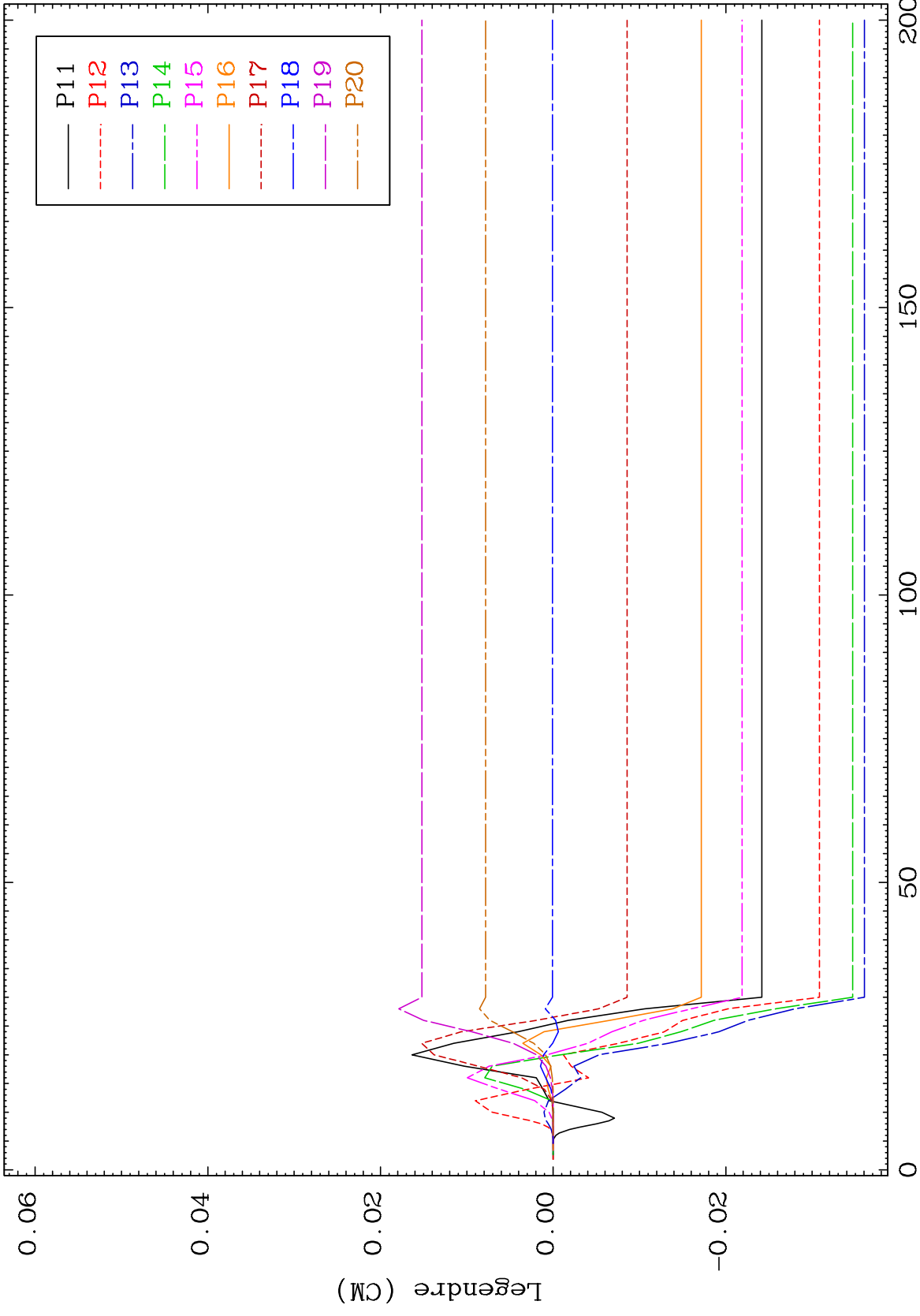
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



96

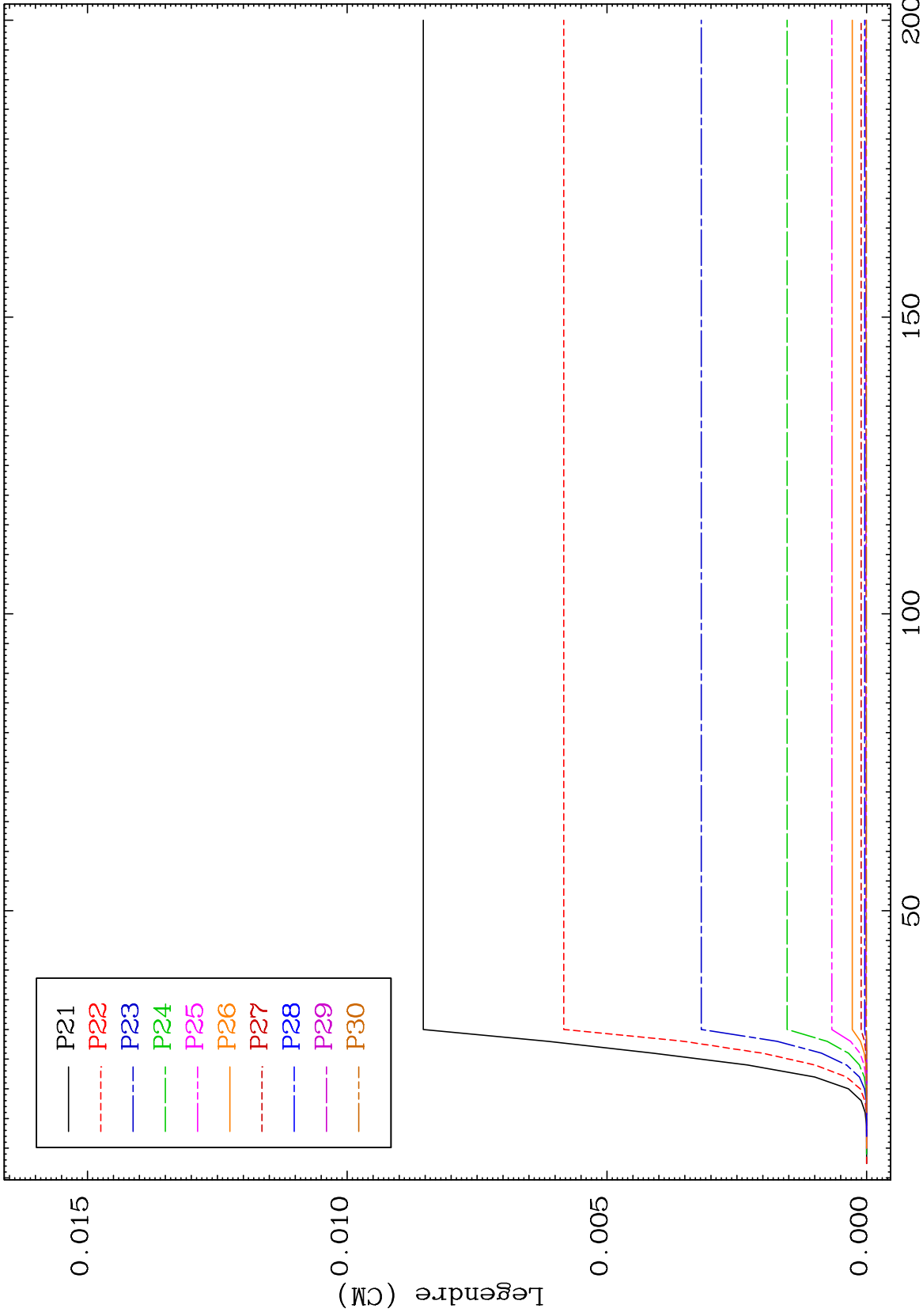
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



97

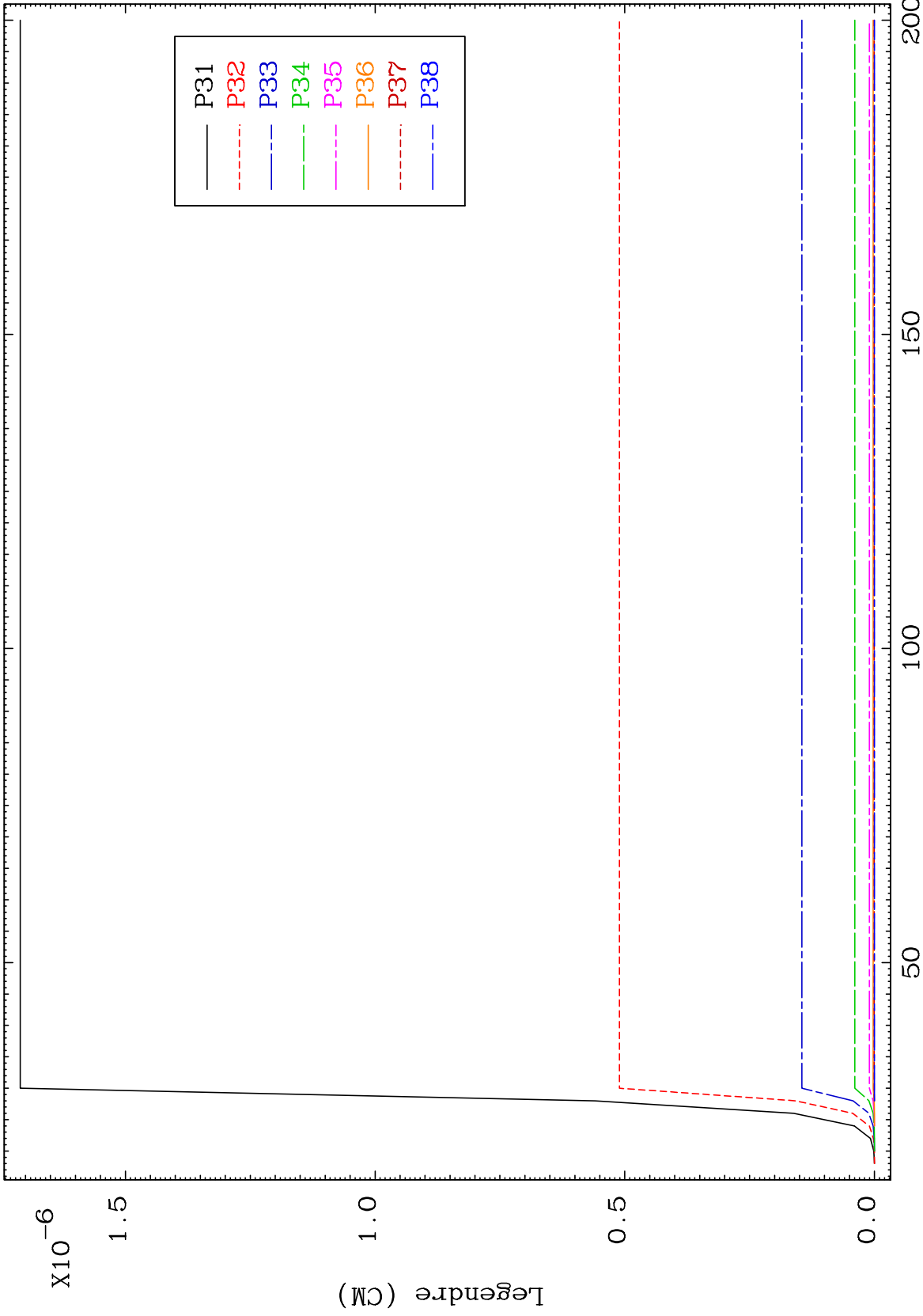
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



98

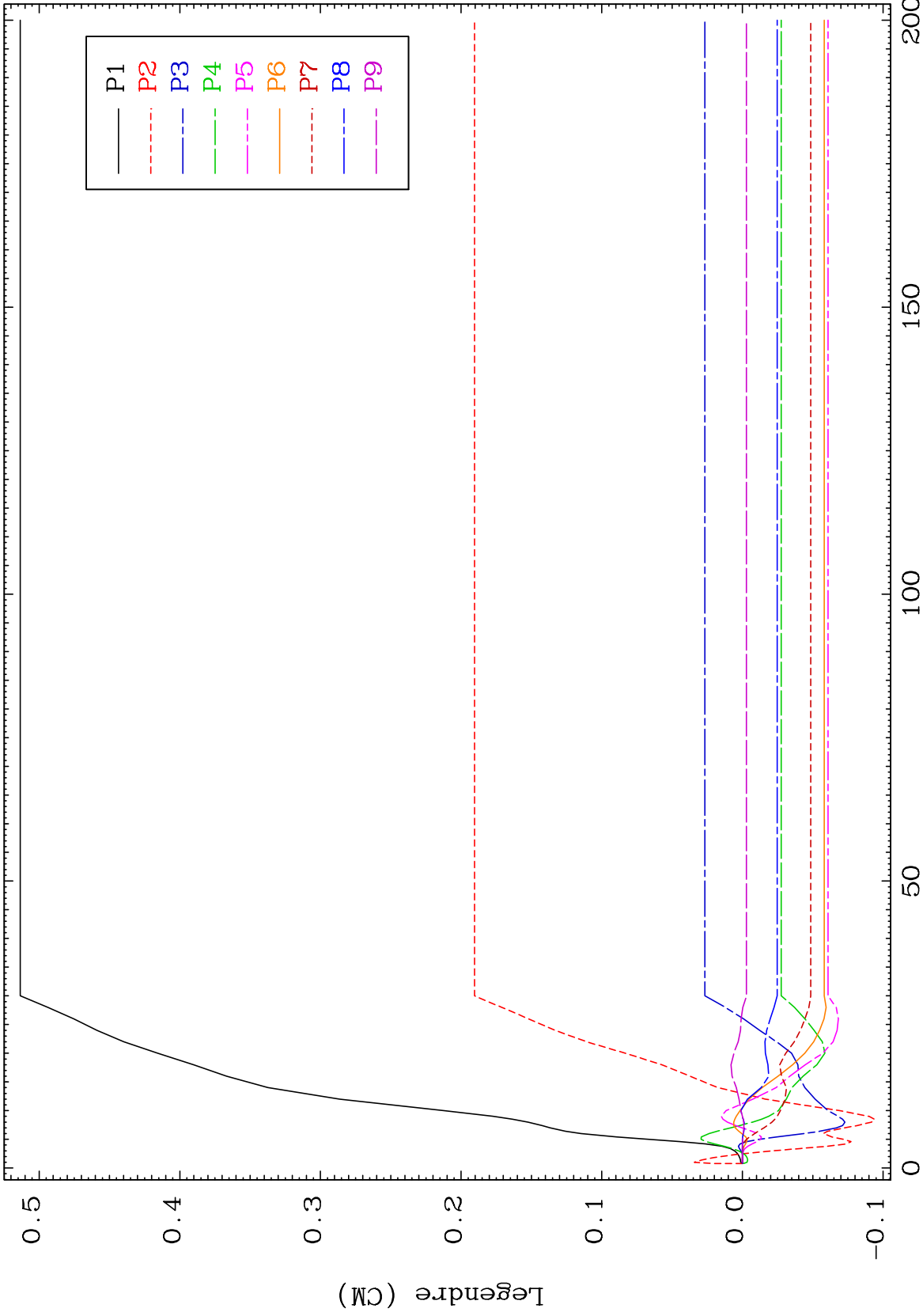
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



99

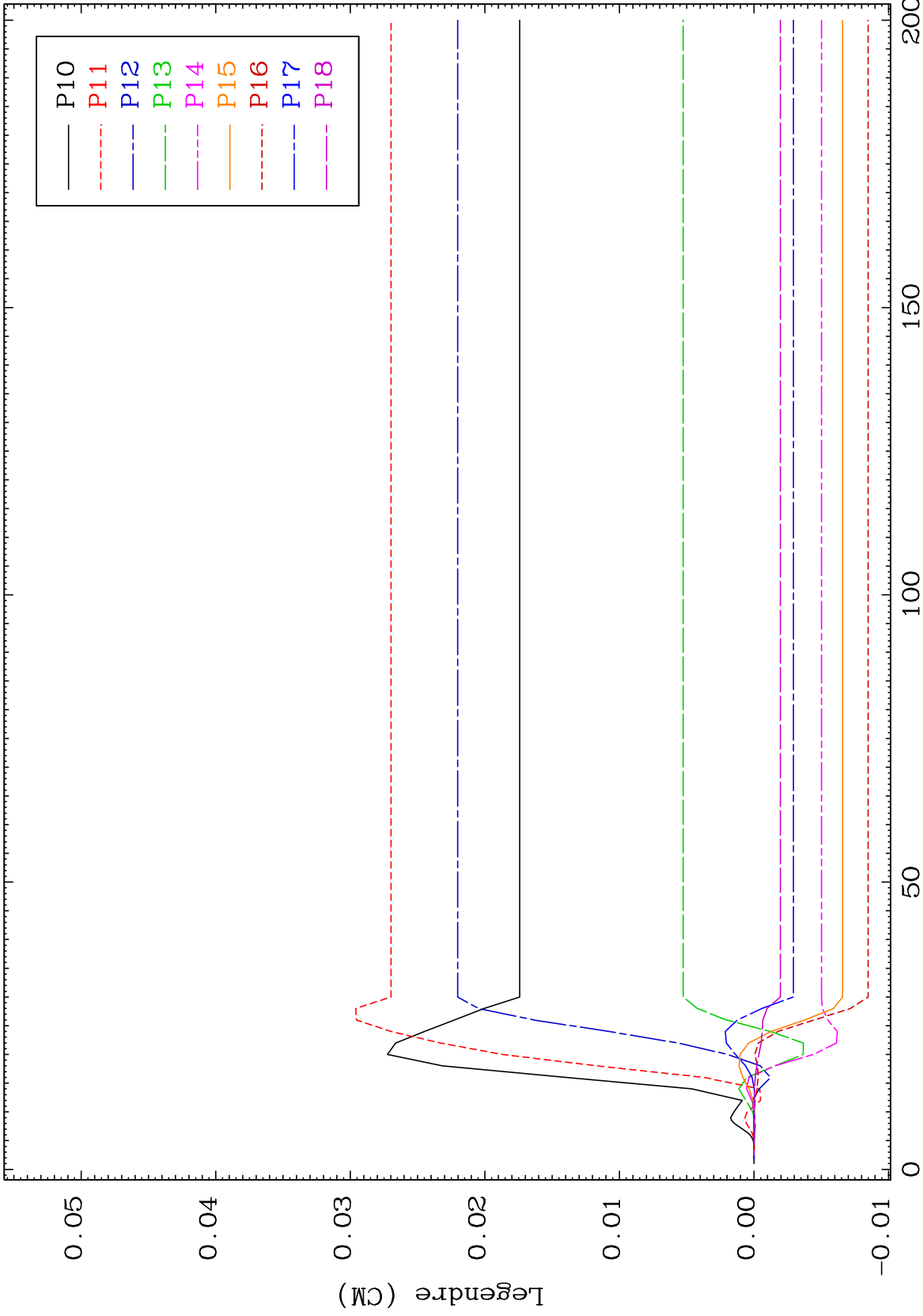
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

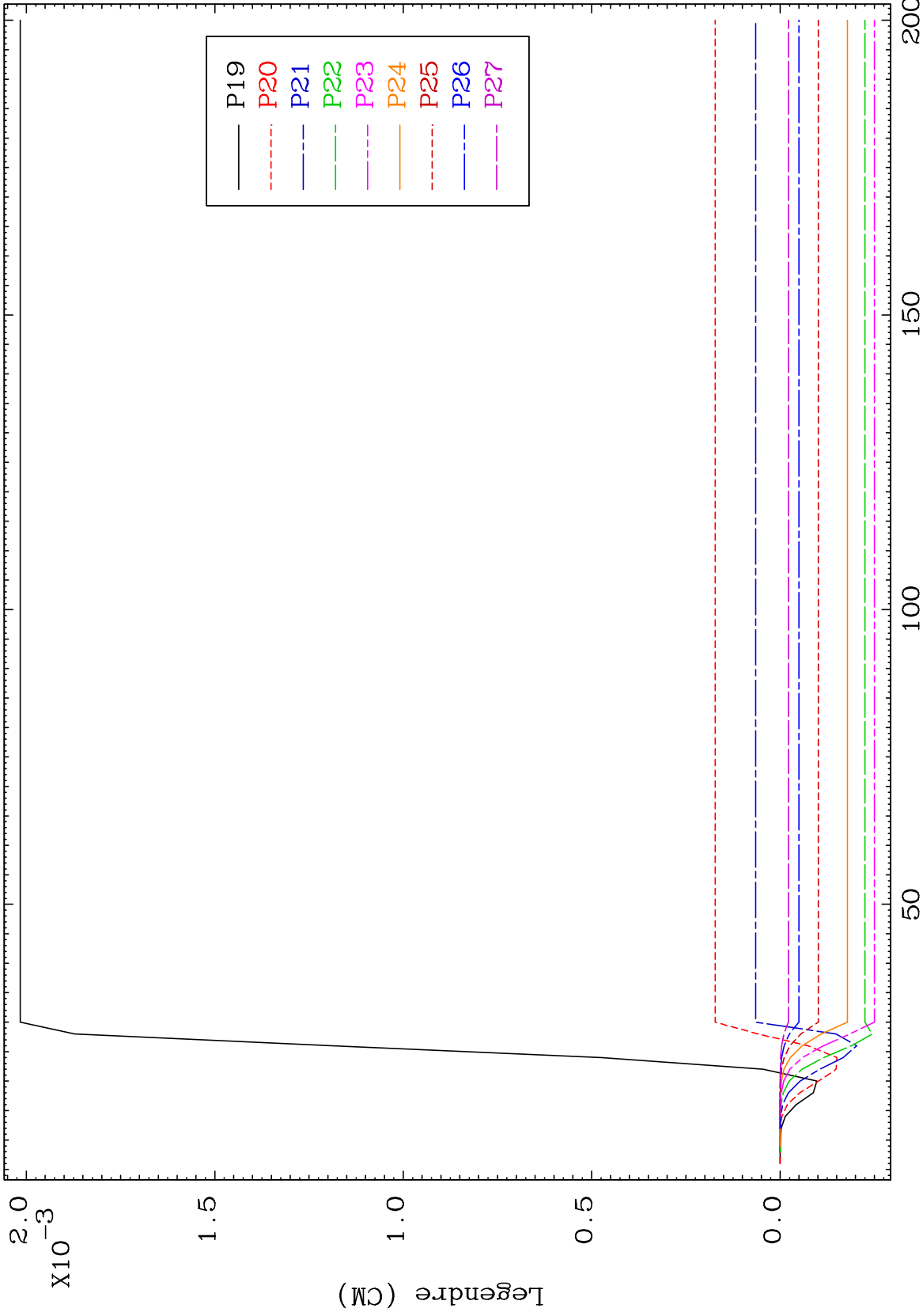
Incident Energy (MeV)

100

MAT 7713

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

77-Ir-187



101

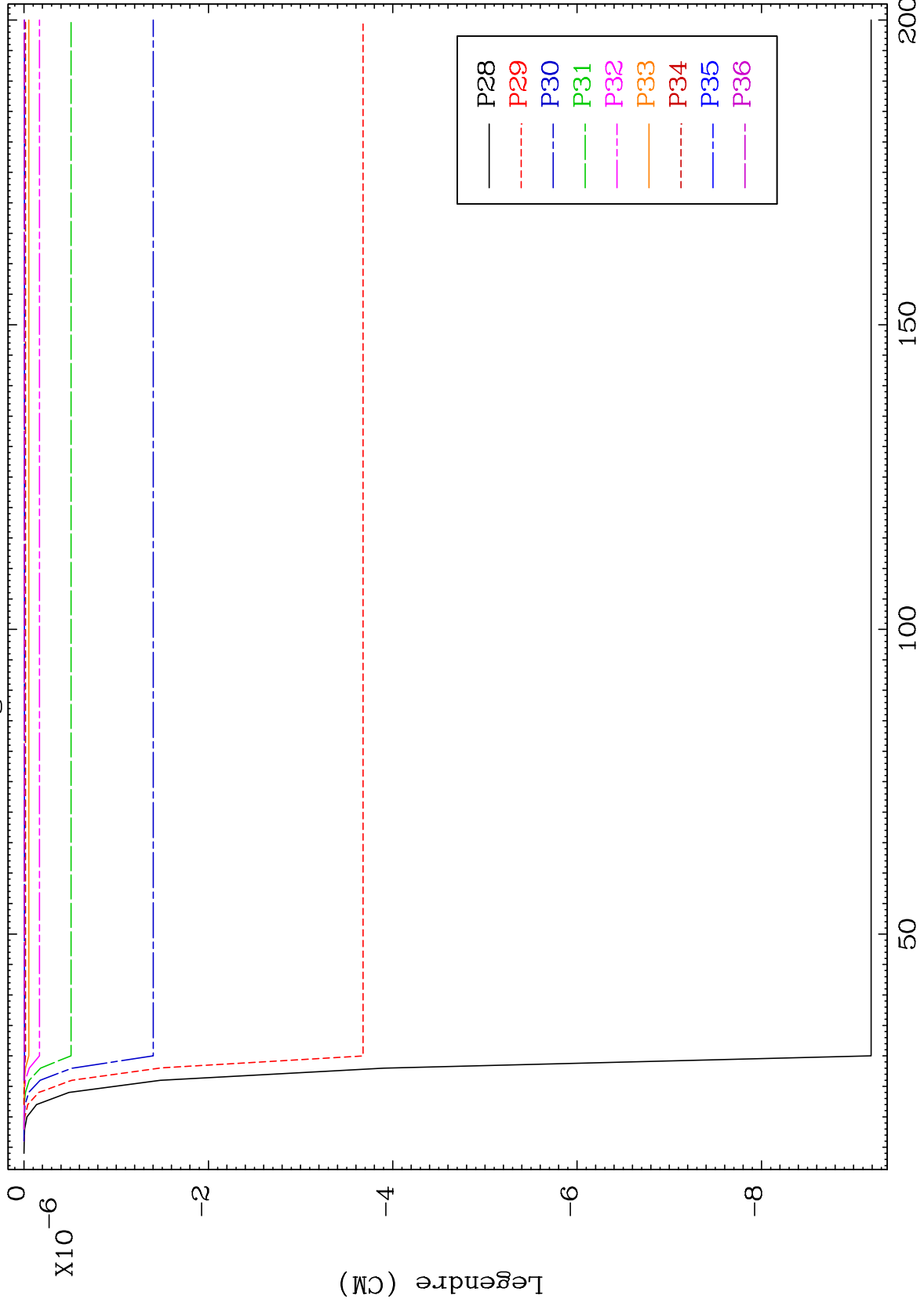
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

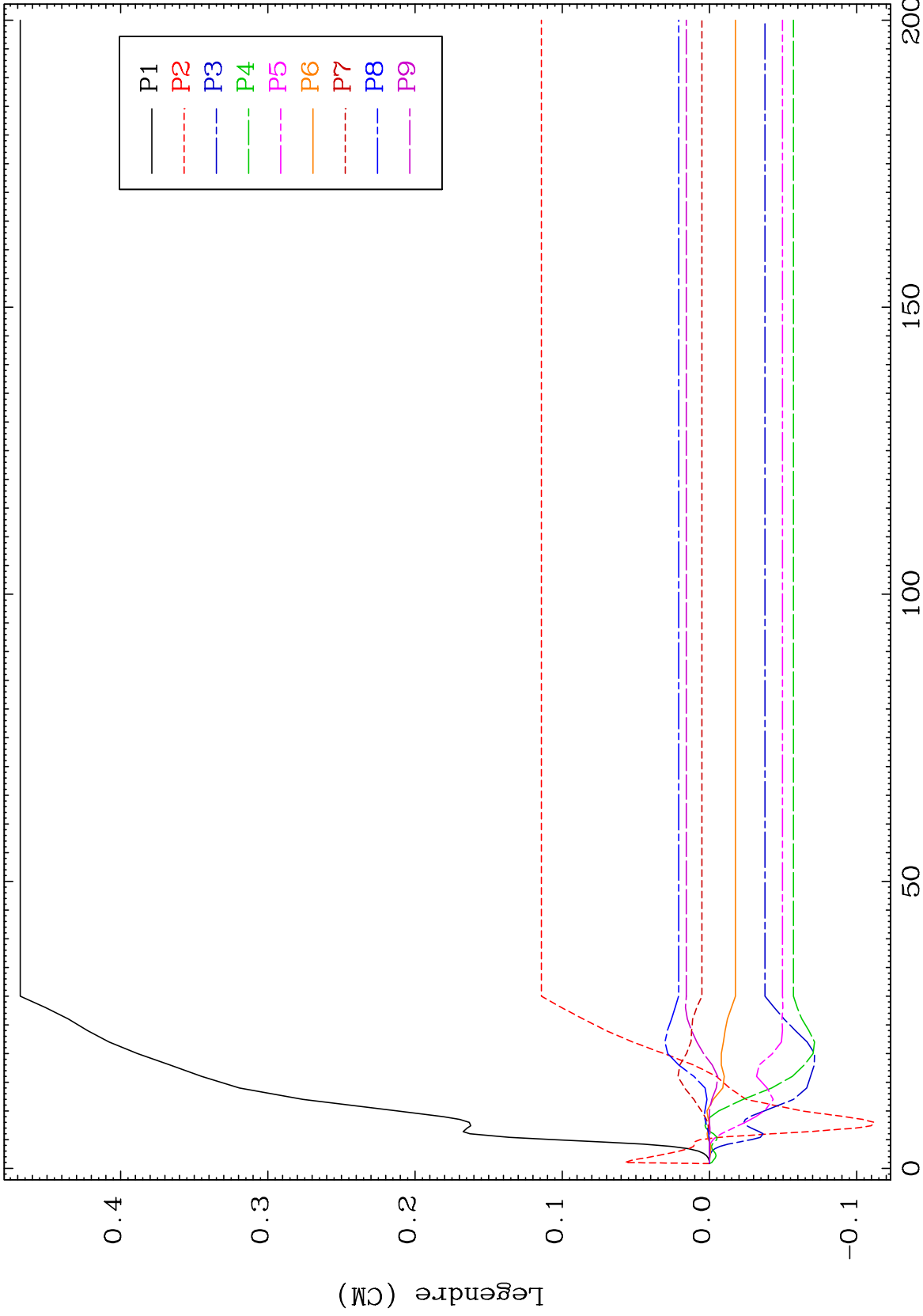
Incident Energy (MeV)

102

MAT 7713

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

77-Ir-187



103

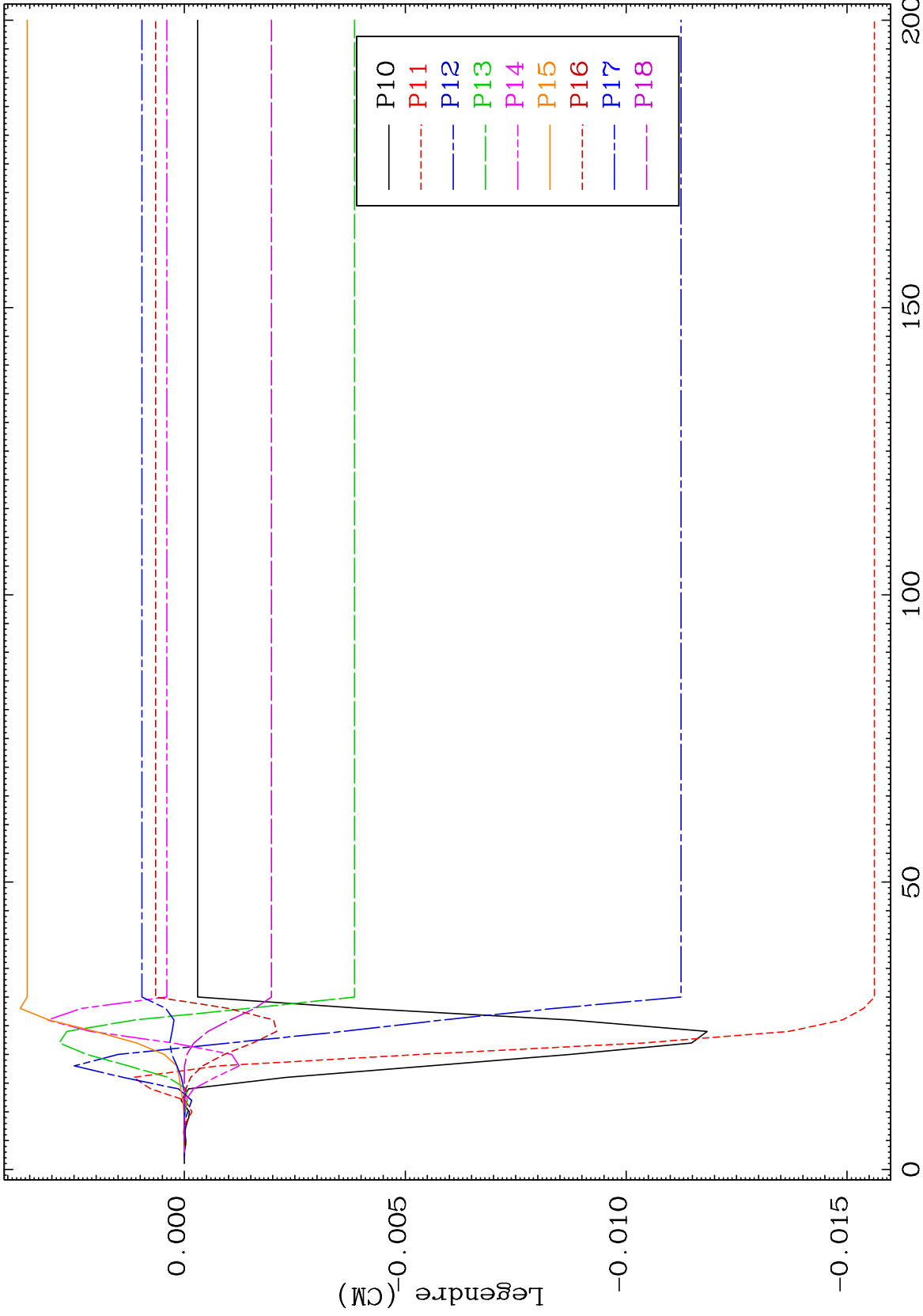
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



104

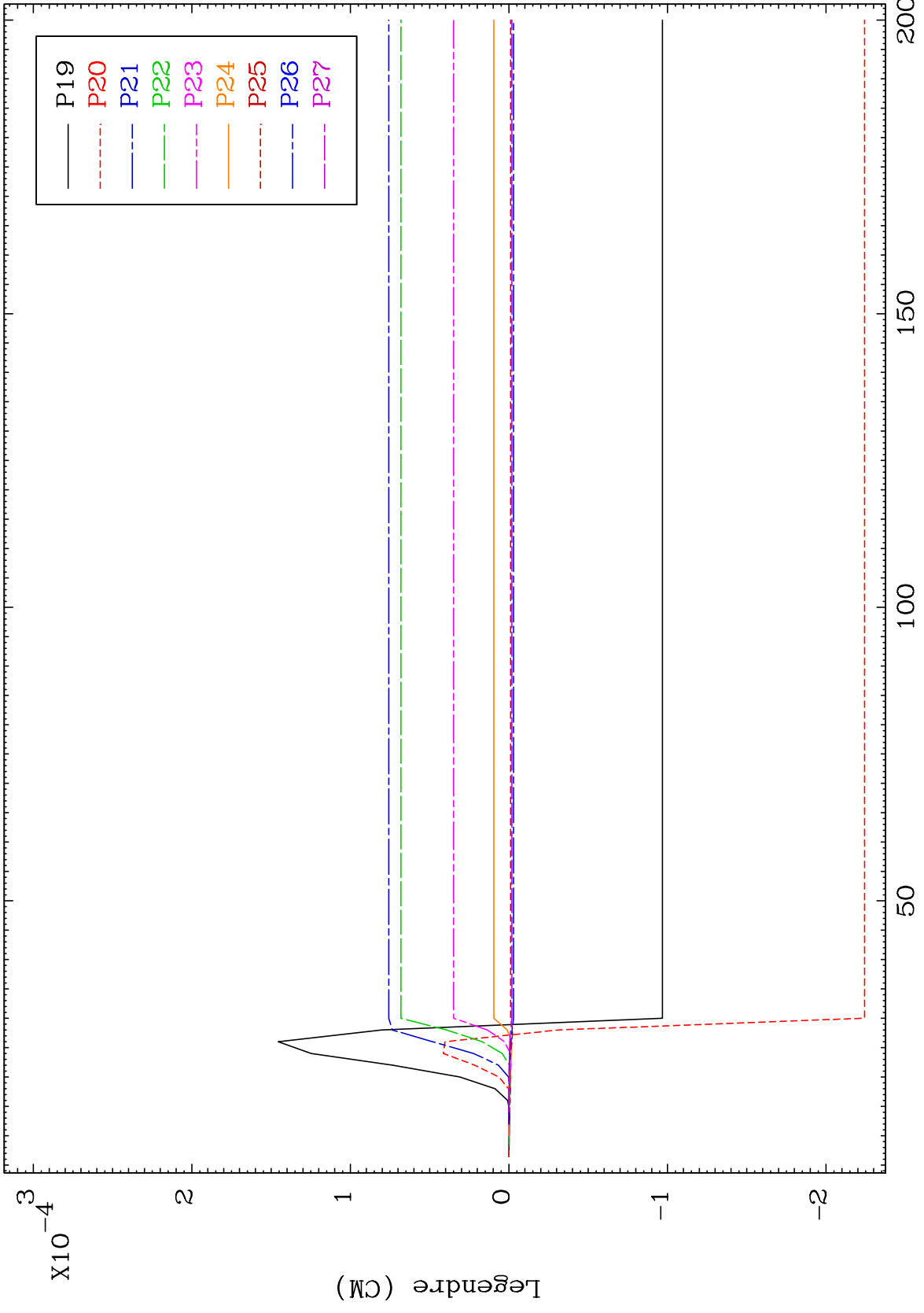
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187

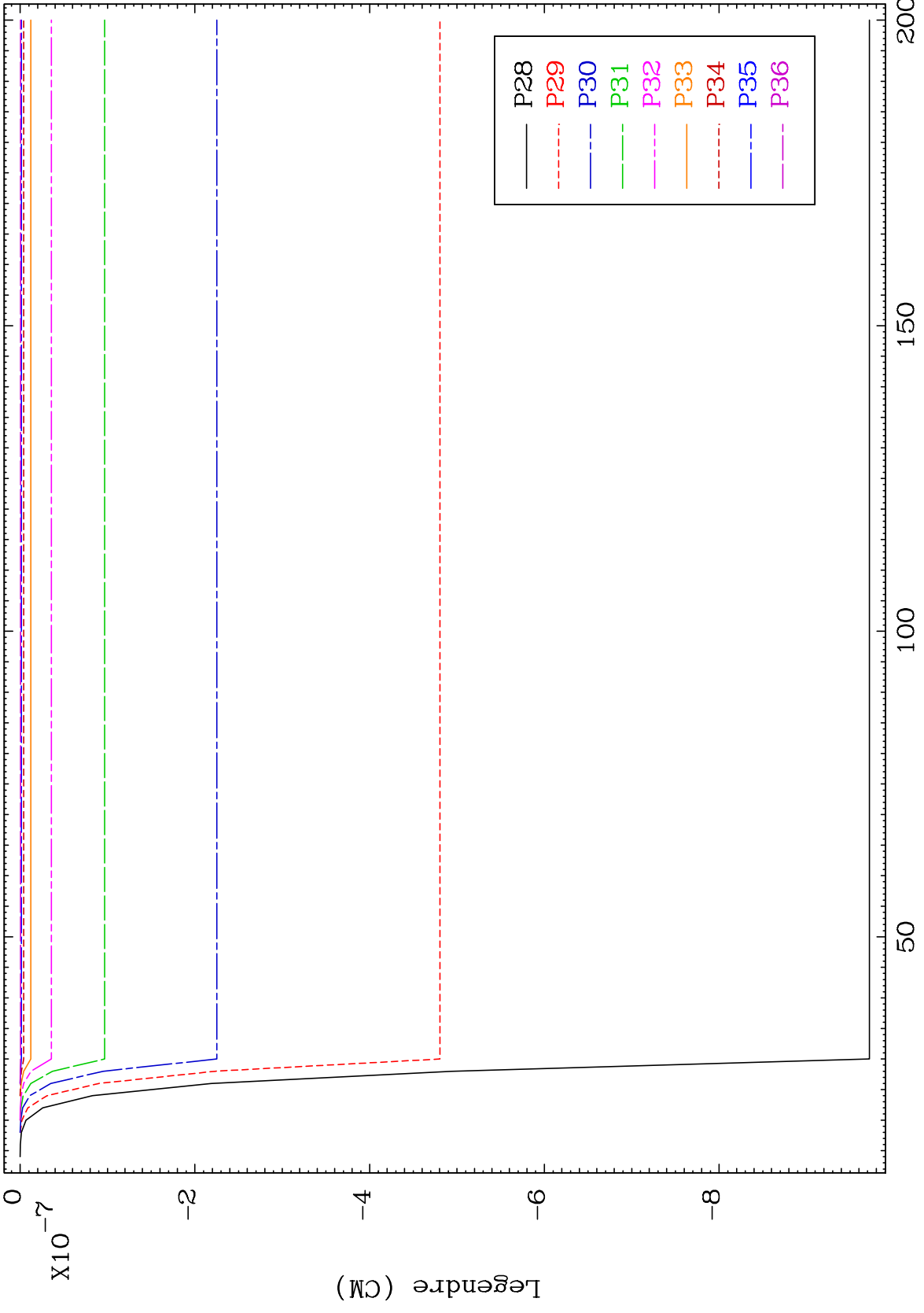


105

Incident Energy (MeV)

77-Ir-187

MAT 7713 MT= 72 (n,n') Level Legendre Coefficients 77-Ir-187

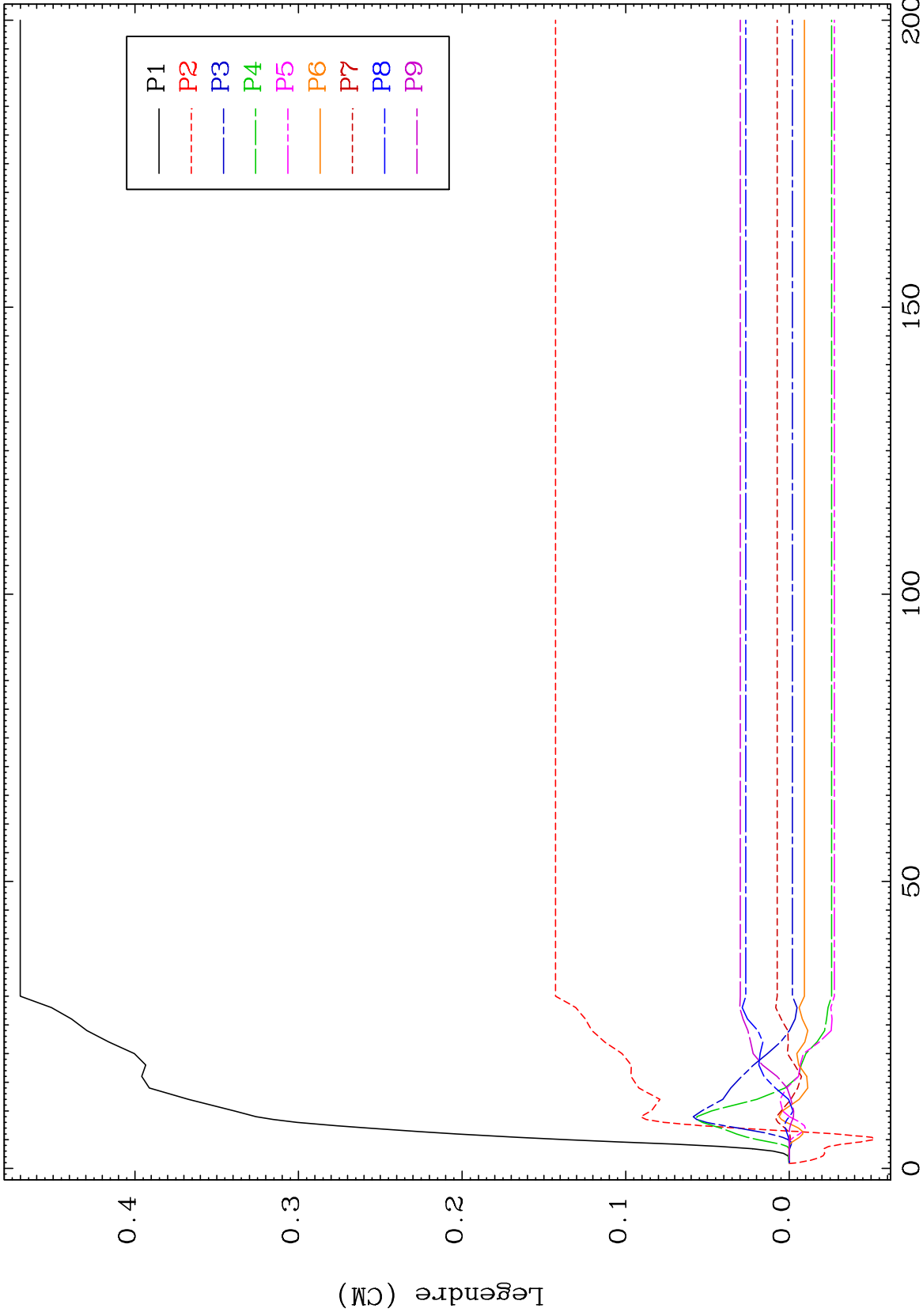


106 77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

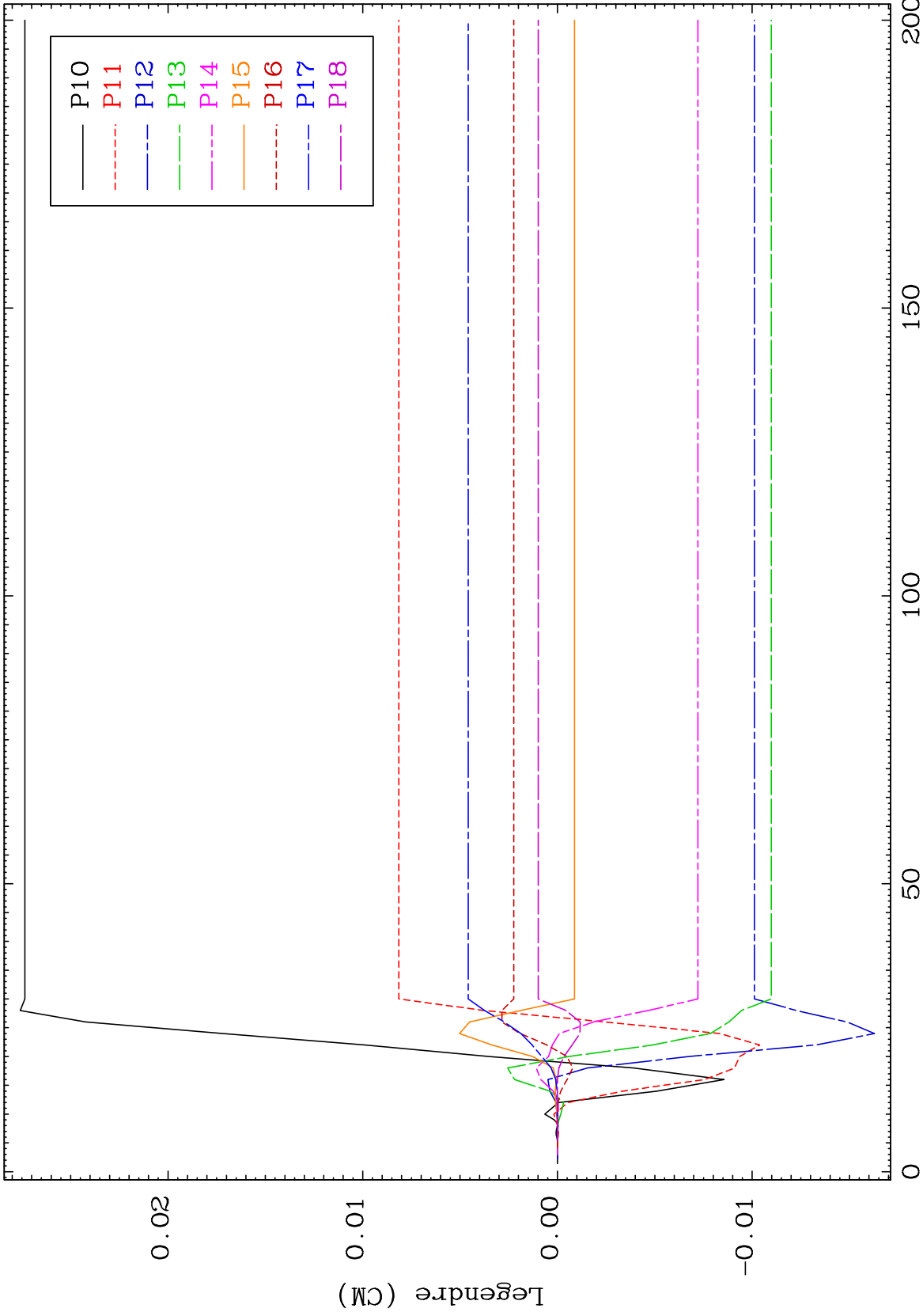
Incident Energy (MeV)

107

MAT 7713

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

77-Ir-187



108

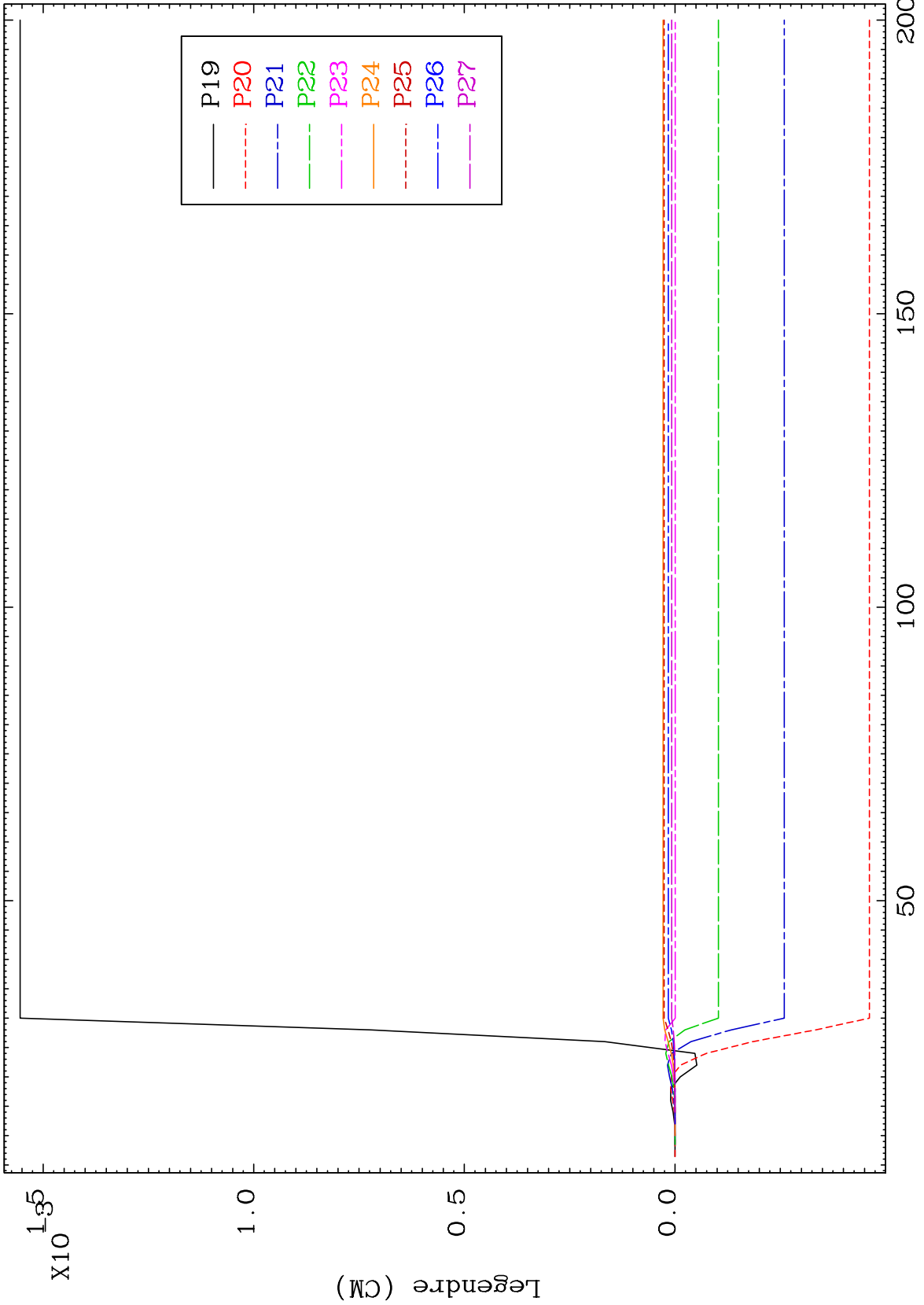
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



109

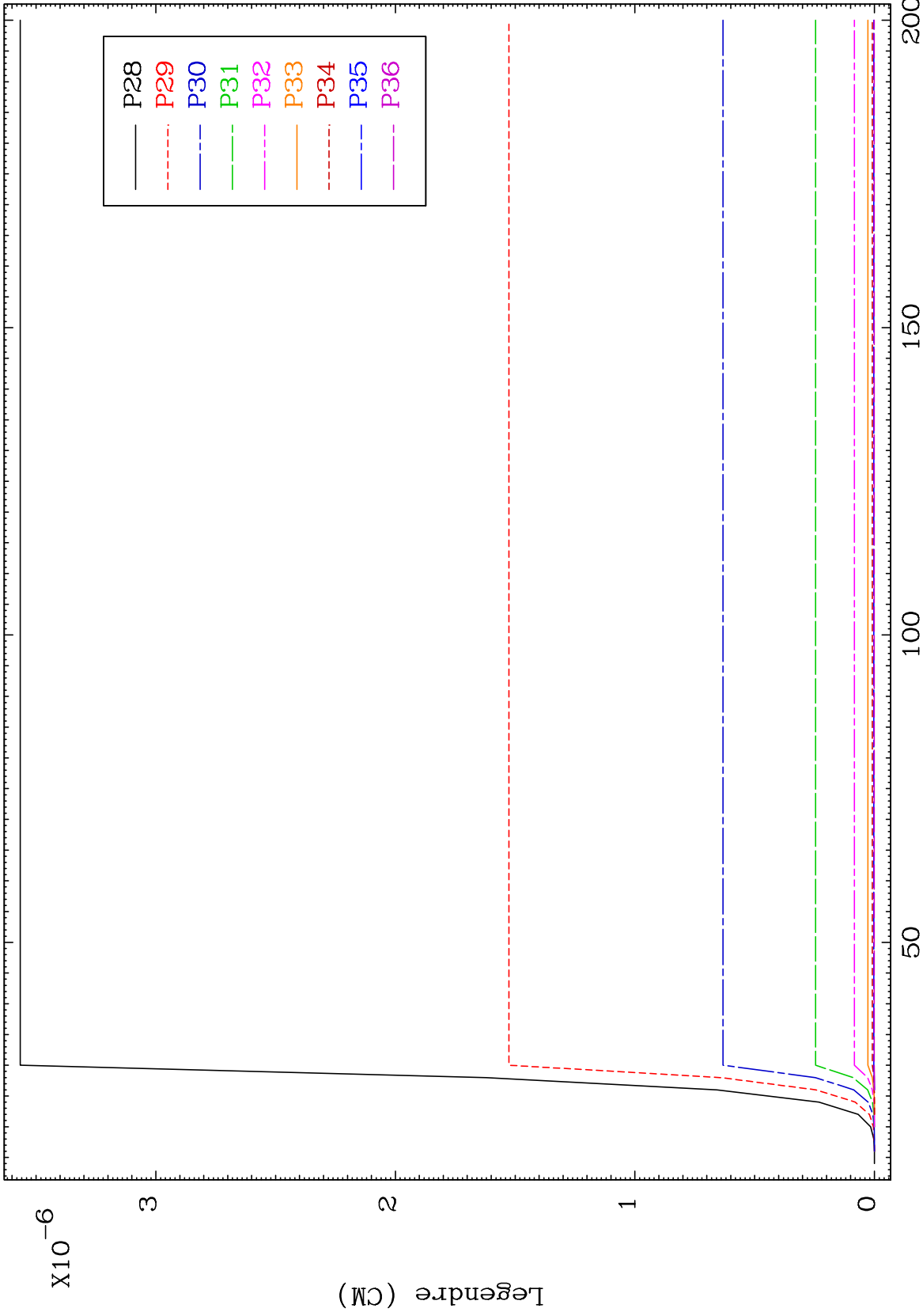
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



110

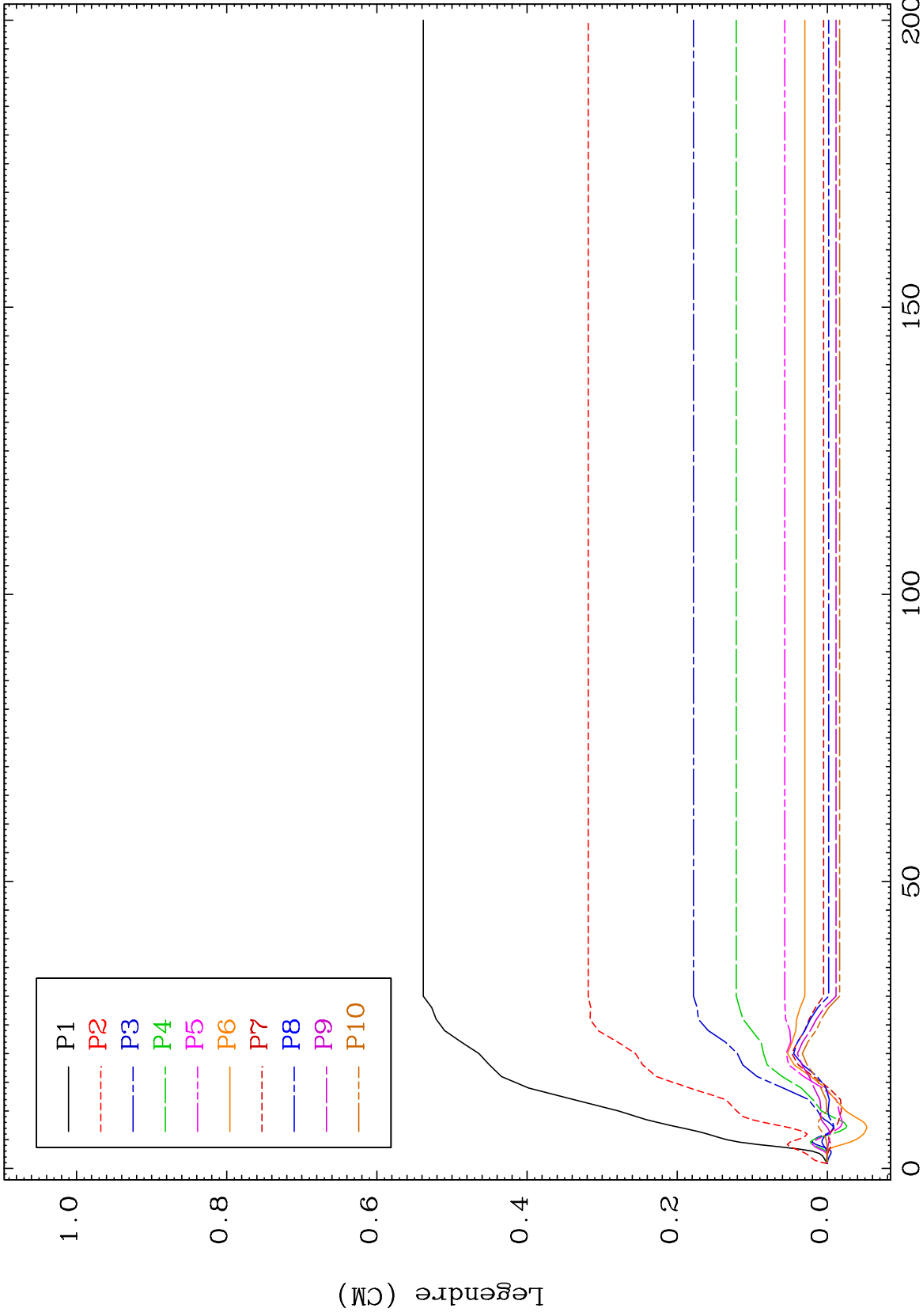
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



111

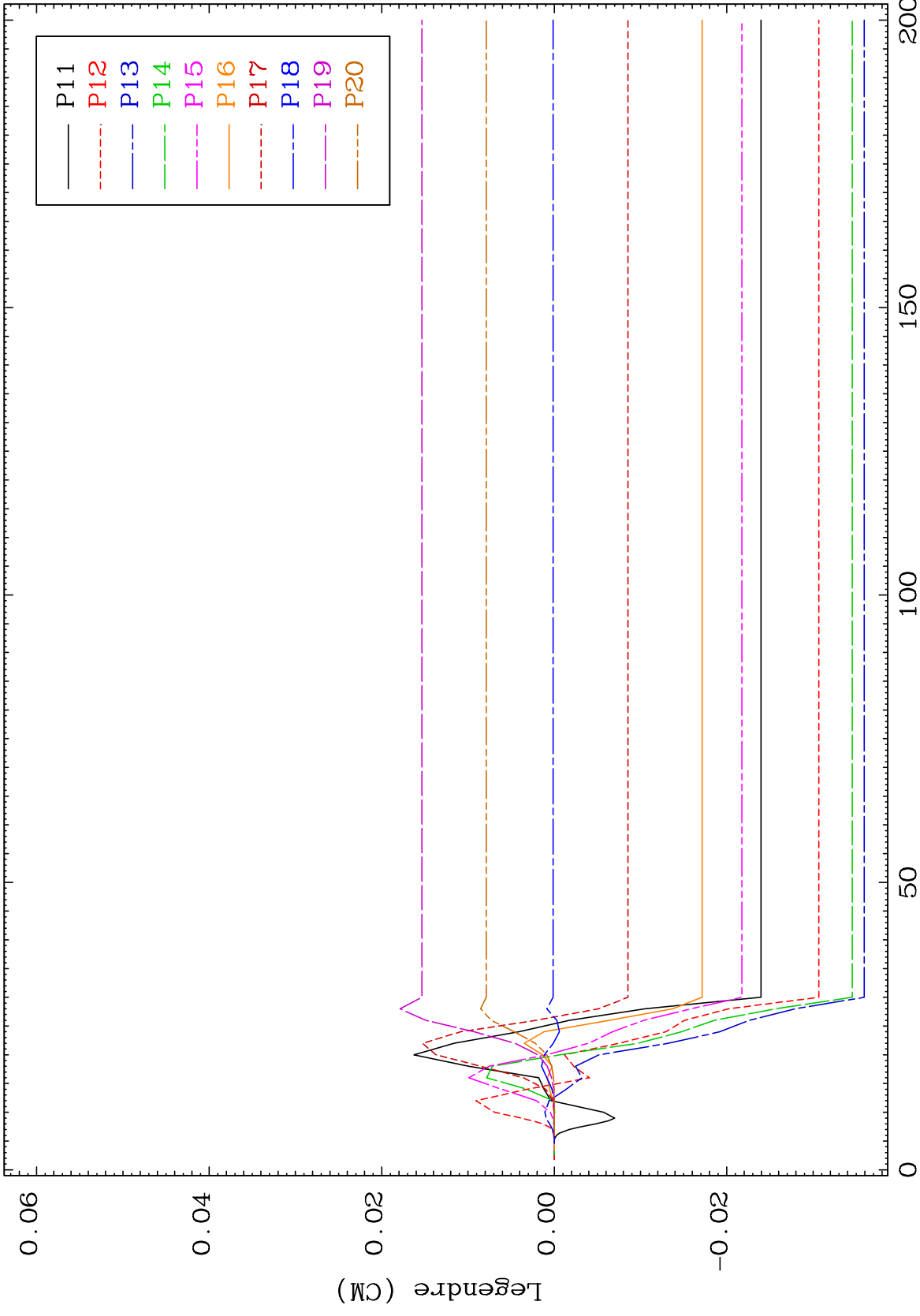
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

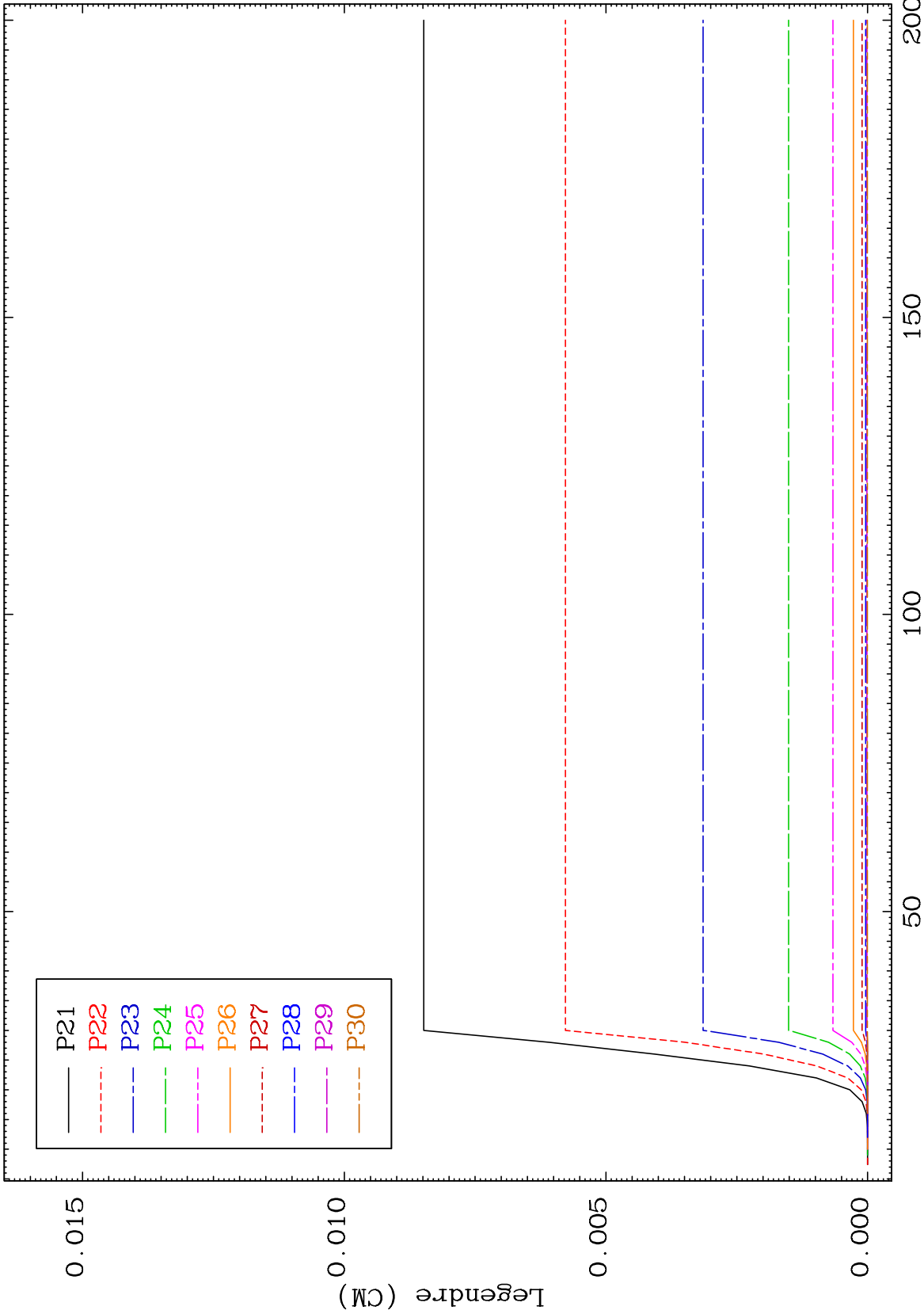
77-Ir-187



112

Incident Energy (MeV)

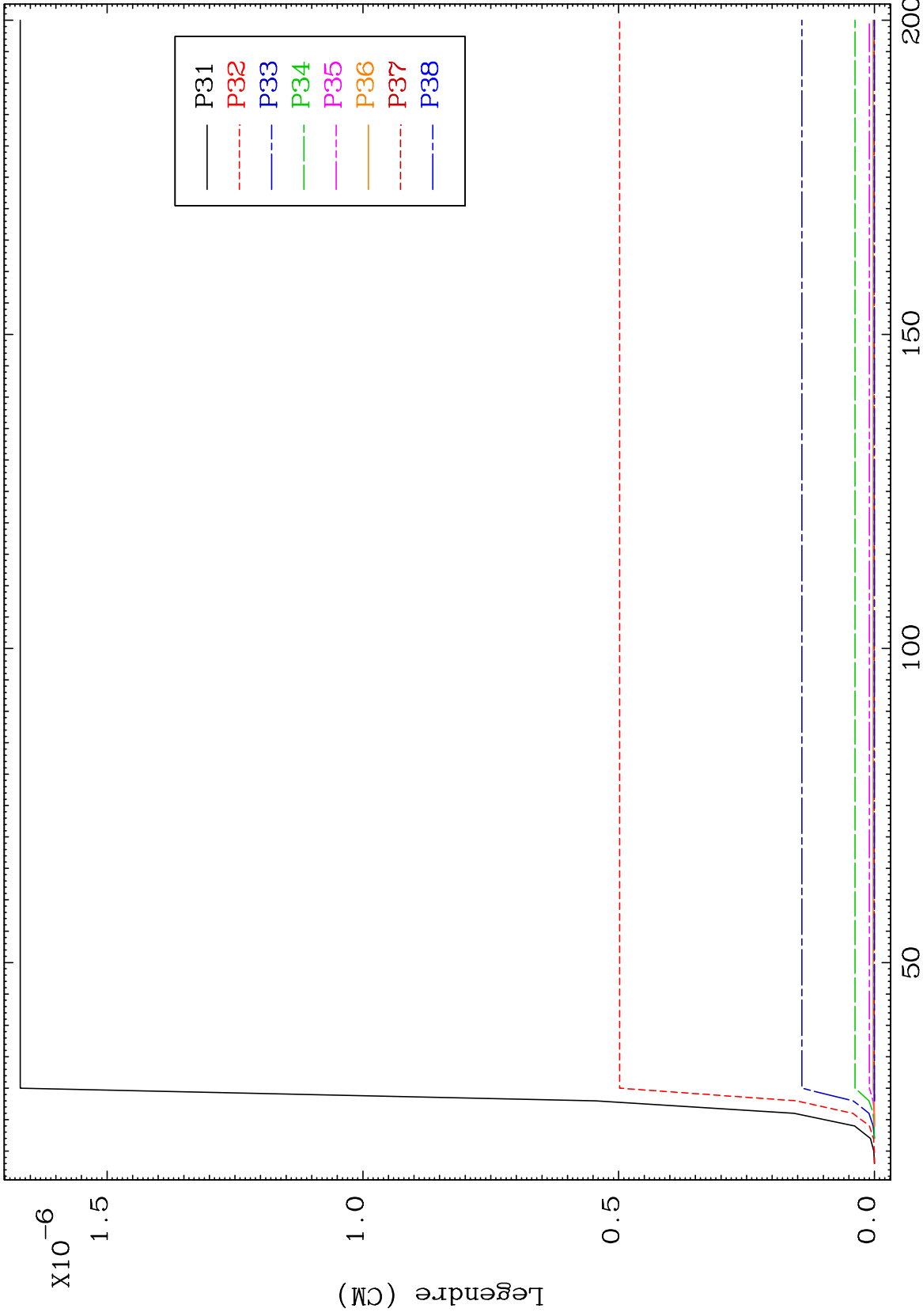
77-Ir-187



MAT 7713

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

77-Ir-187



114

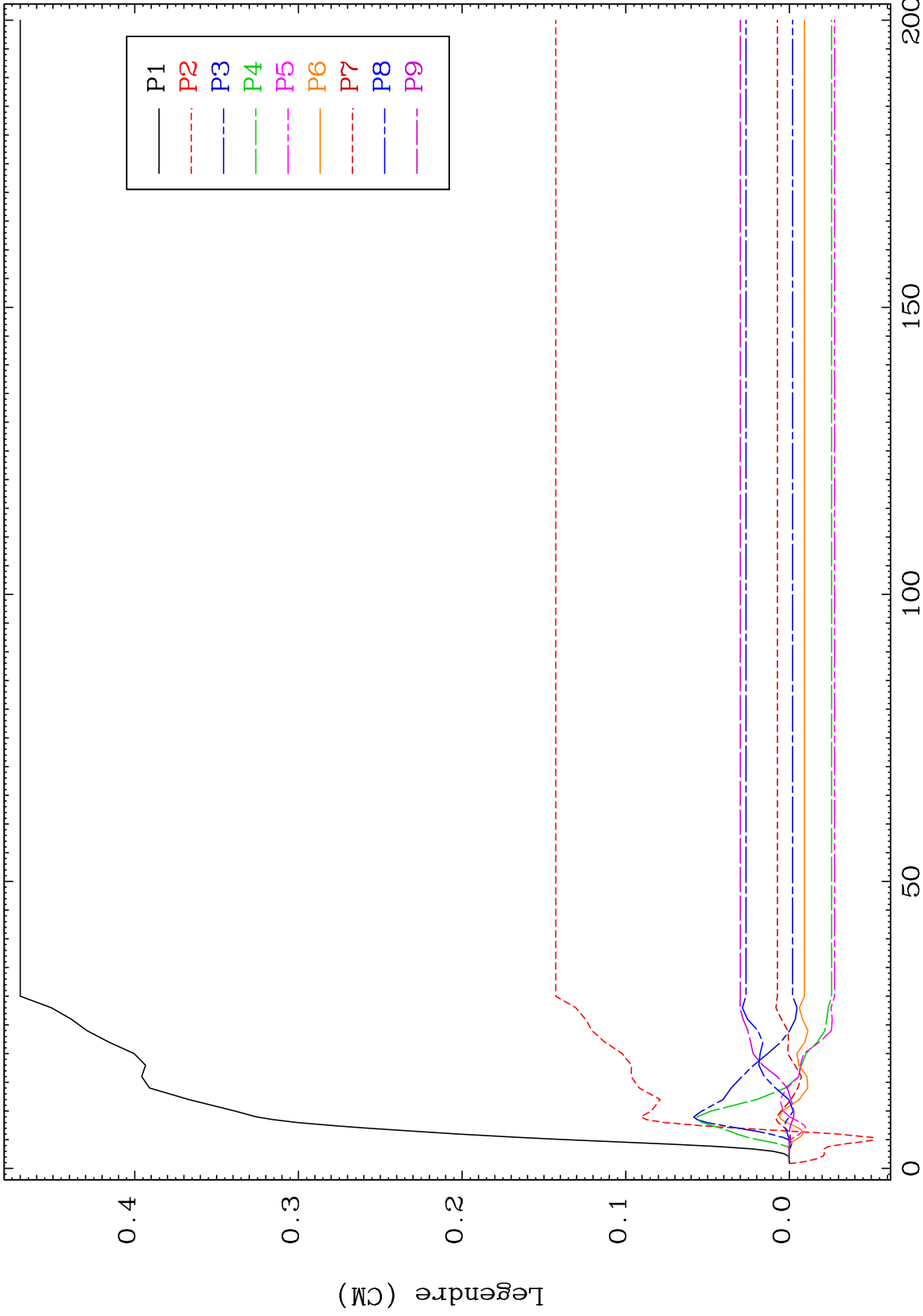
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

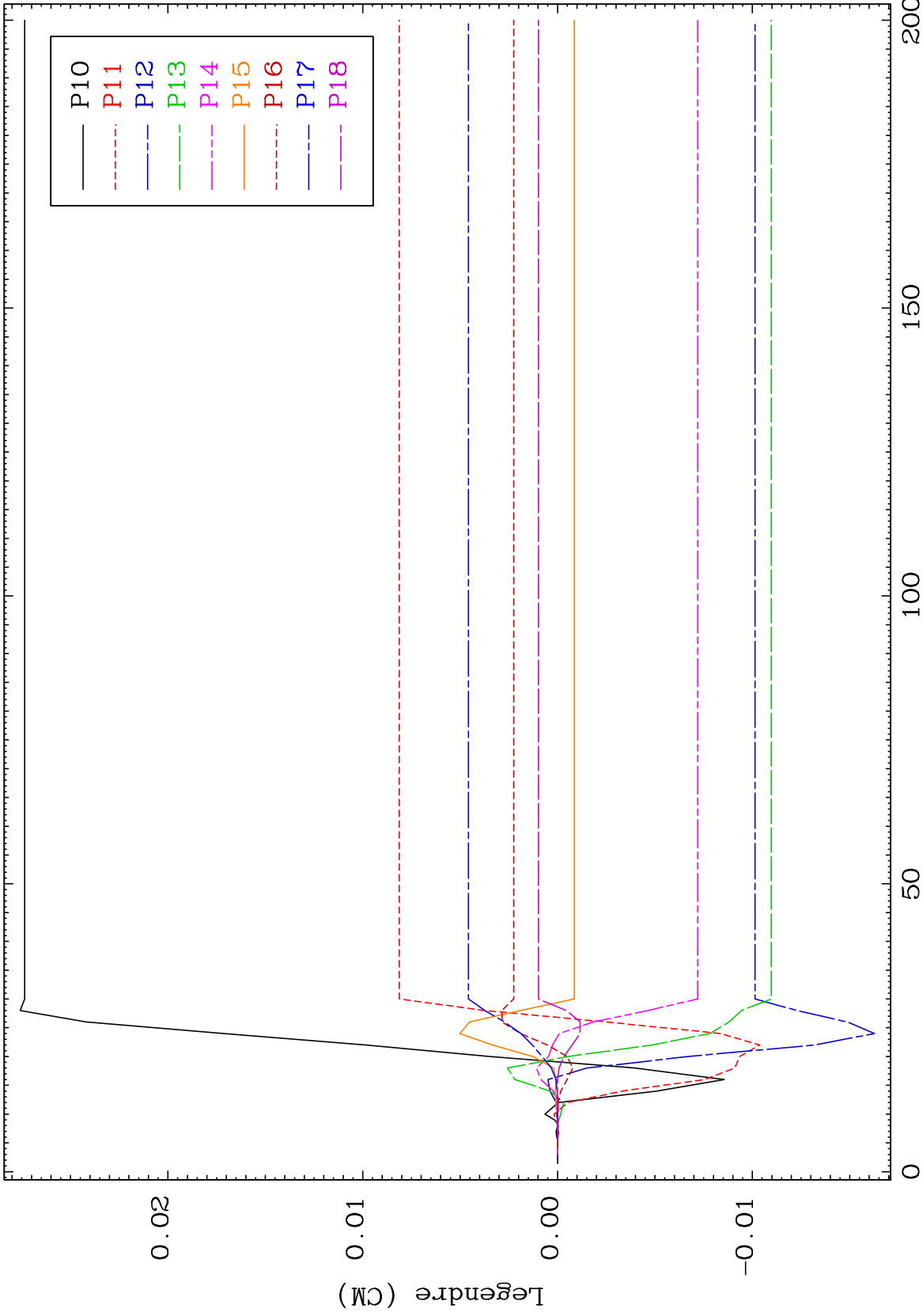
Incident Energy (MeV)

115

MAT 7713

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

77-Ir-187



116

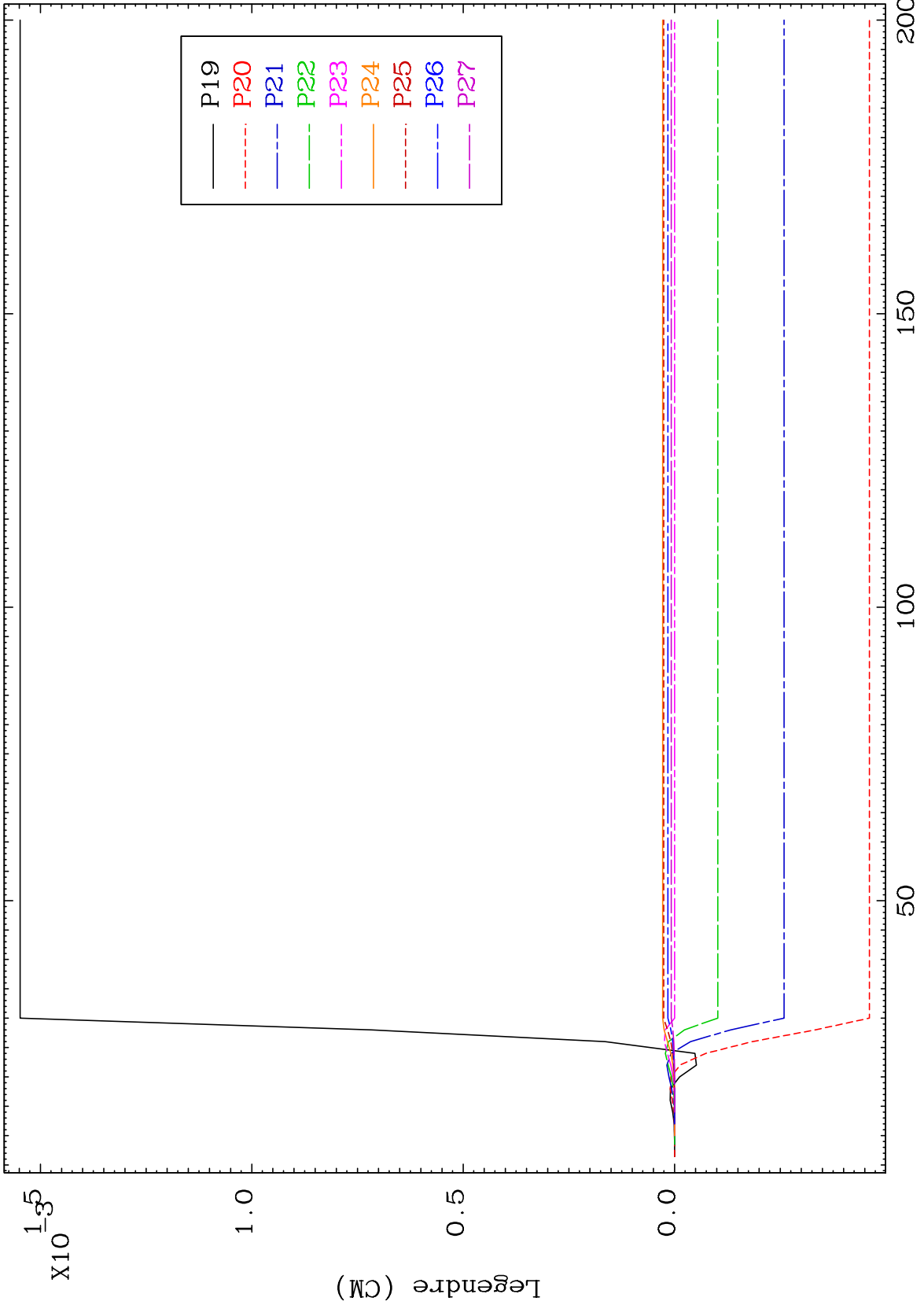
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



117

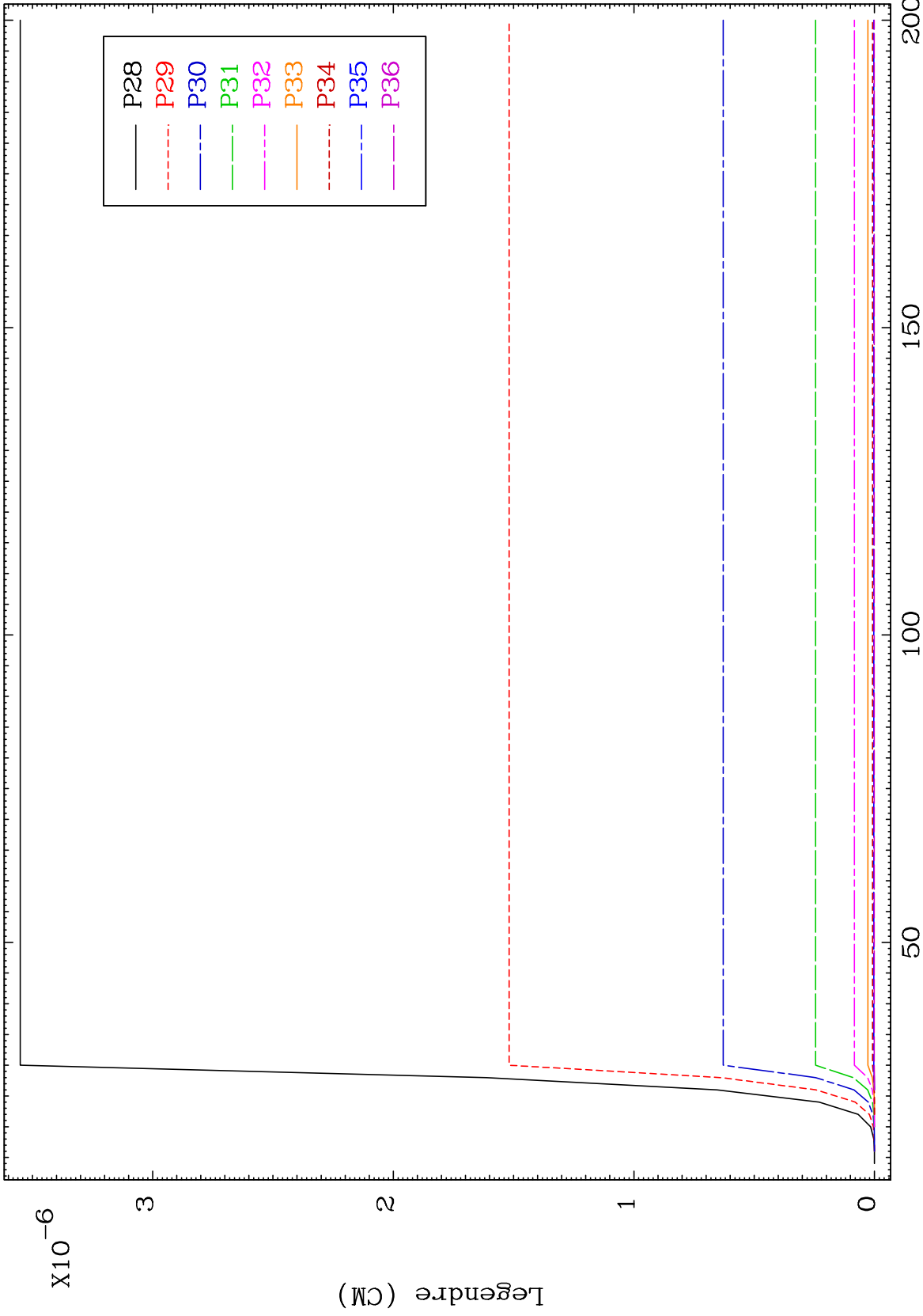
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



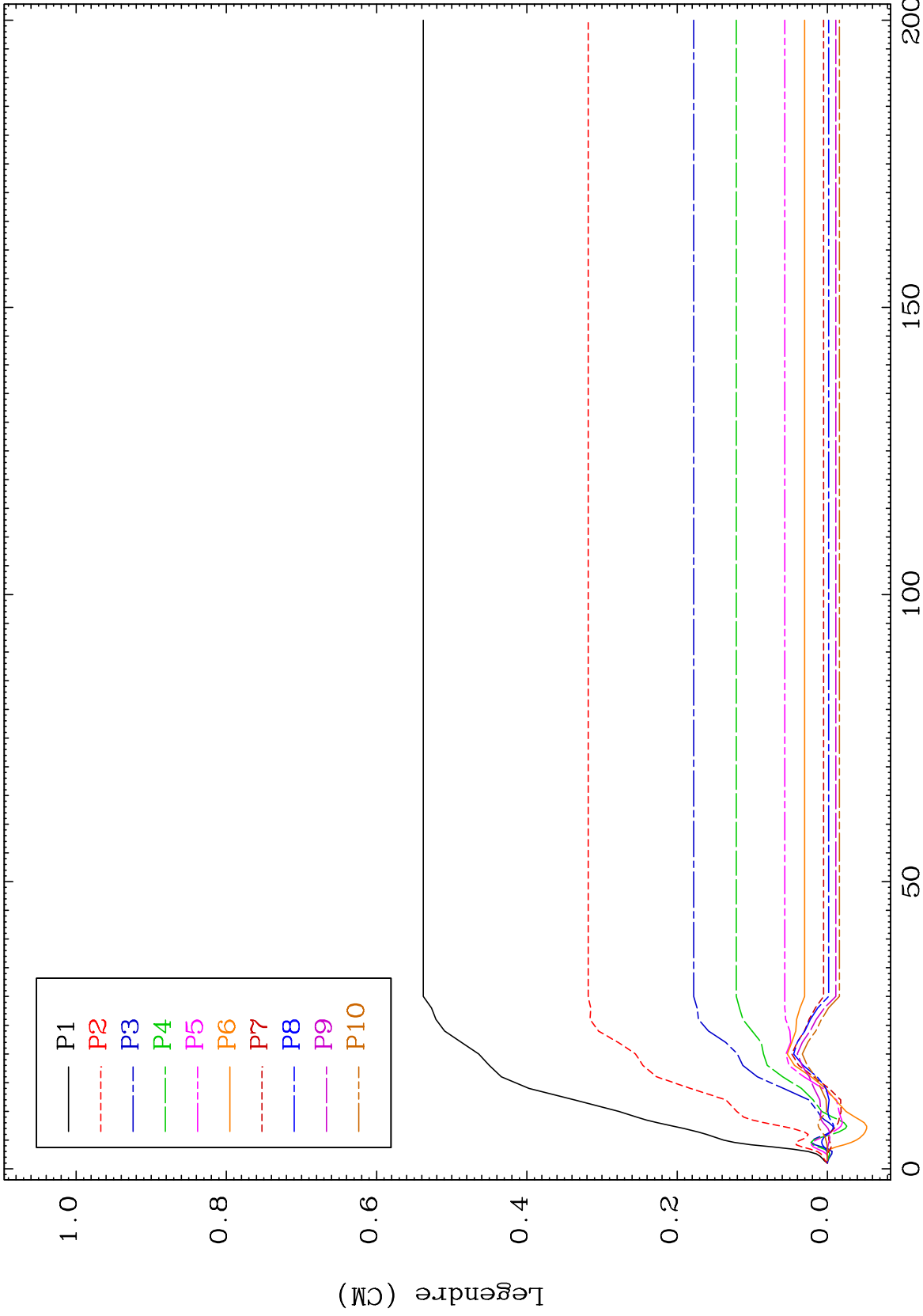
118

77-Ir-187

MAT 7713

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

77-Ir-187



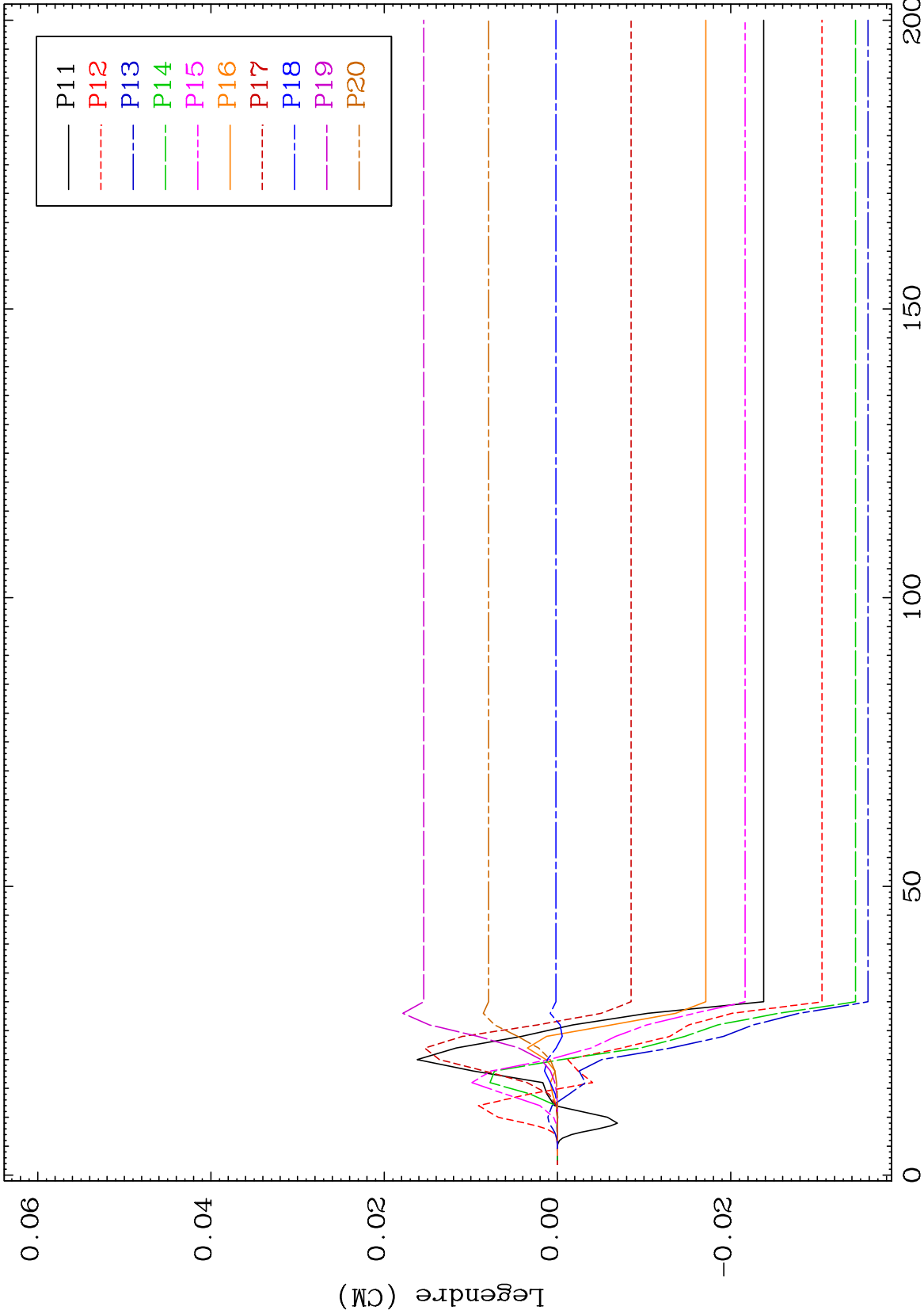
119

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

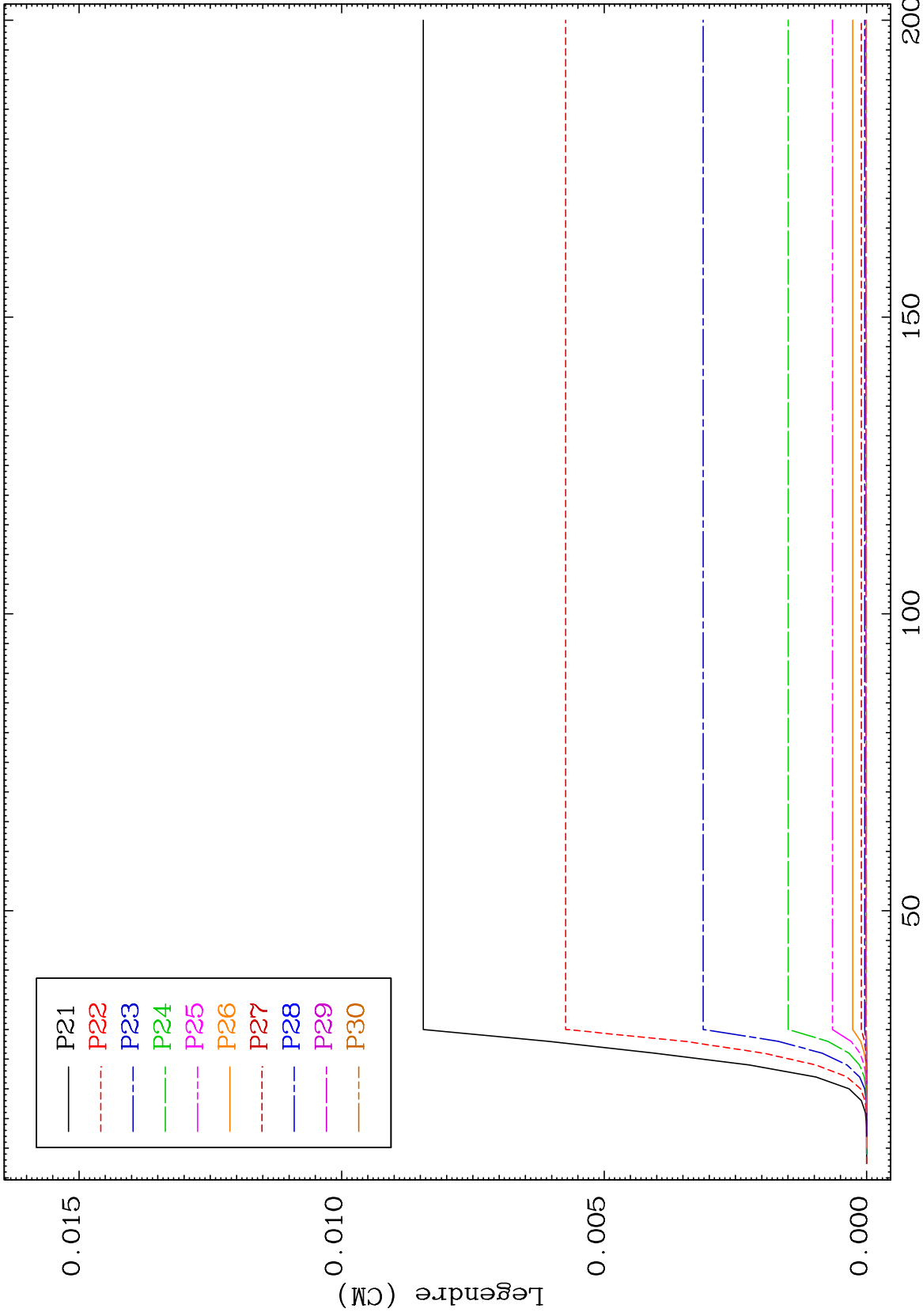
Incident Energy (MeV)

Legendre (CM)

MAT 7713

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

77-Ir-187



121

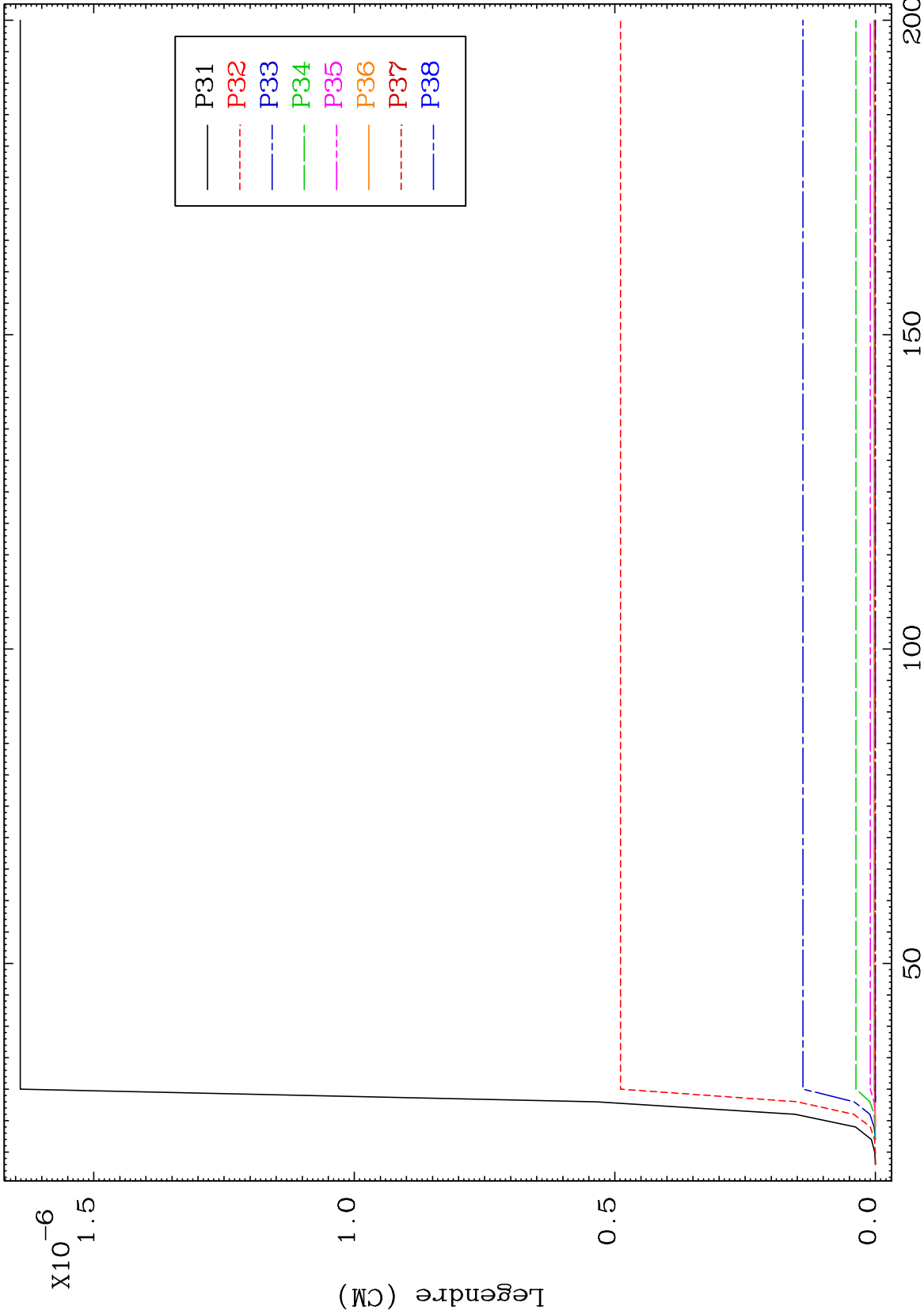
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



122

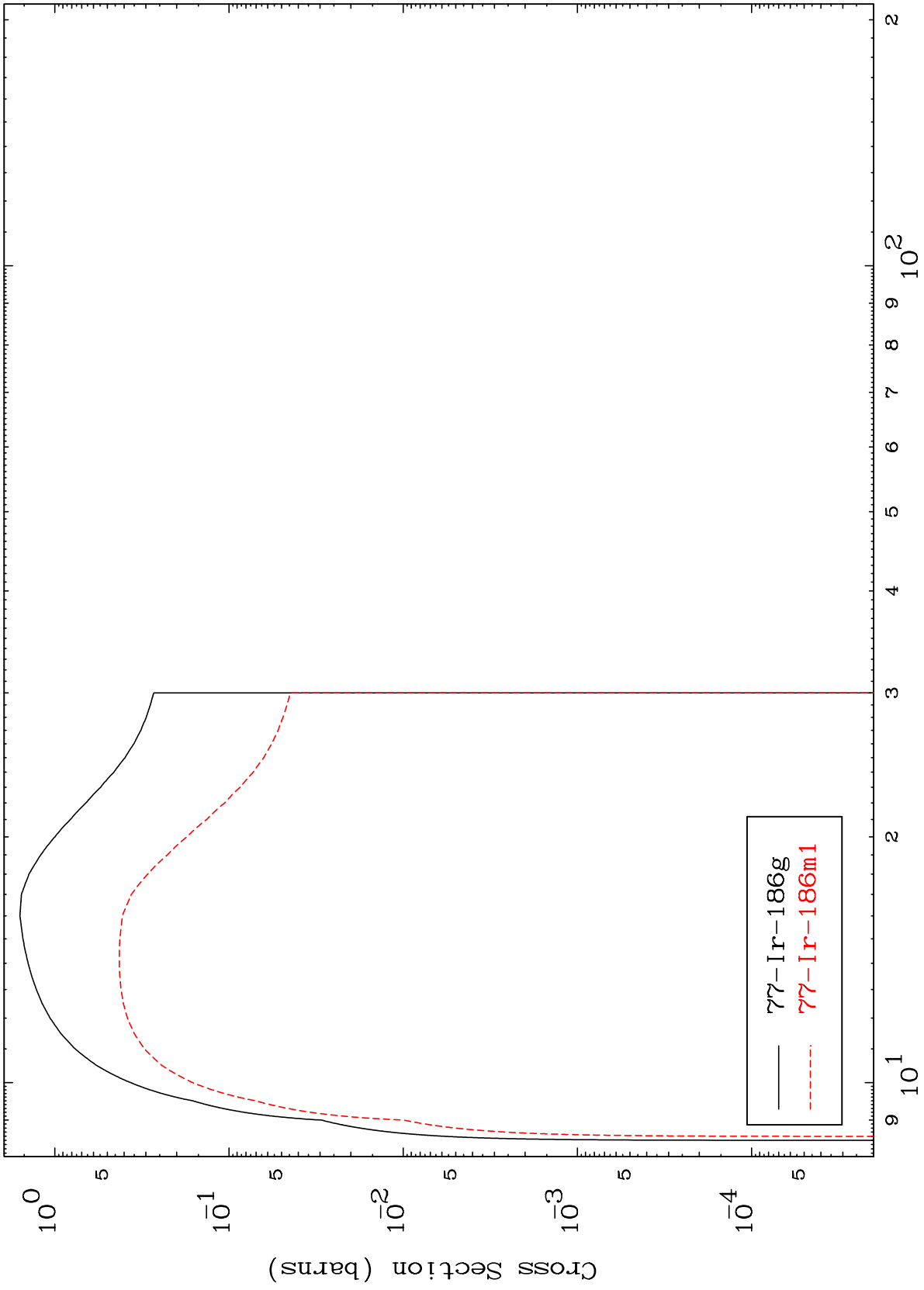
Incident Energy (MeV)

77-Ir-187

MAT 7713

77-Ir-187

(n,2n)
Radionuclide Production Cross Section



123

Incident Energy (MeV)

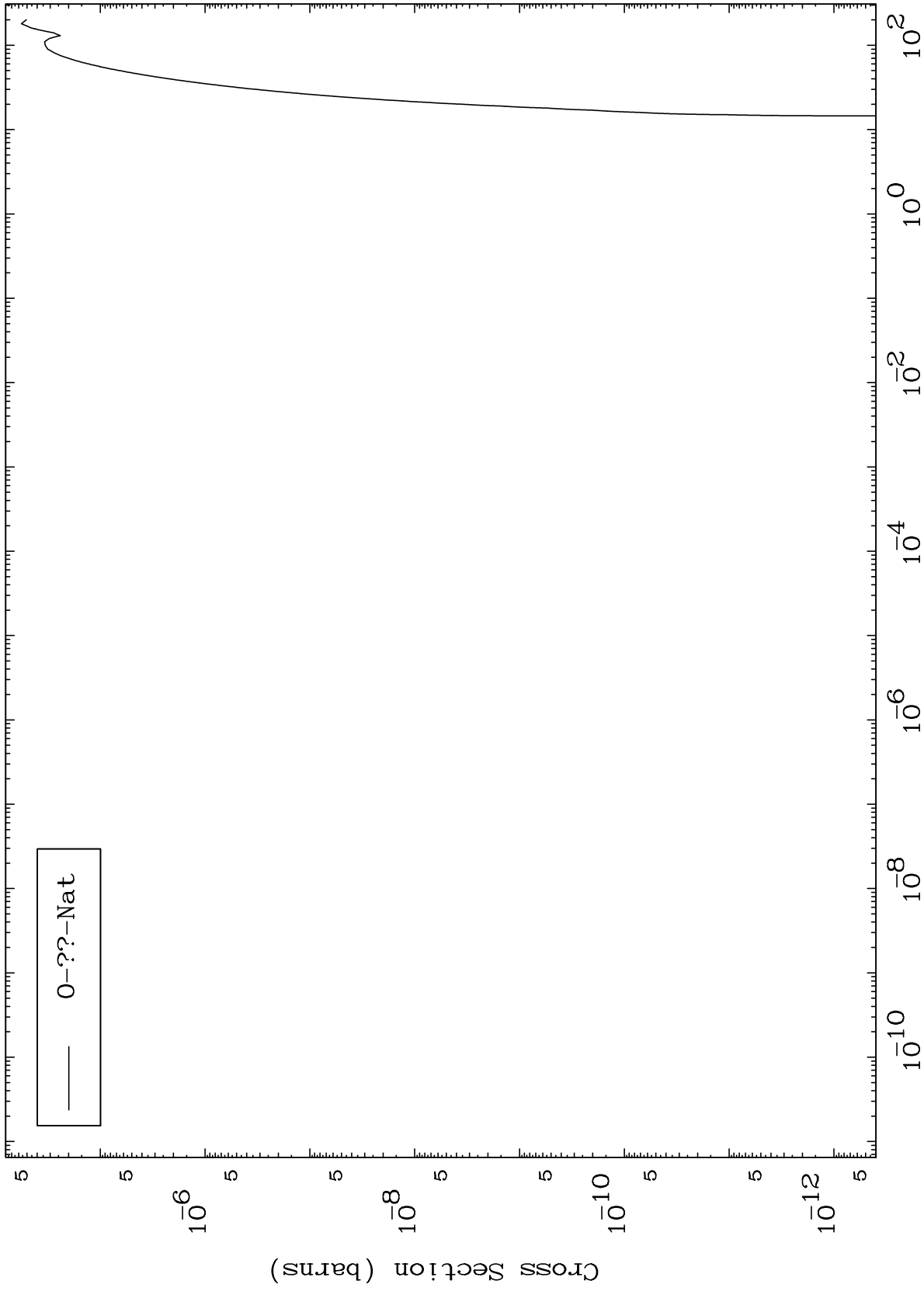
77-Ir-187

MAT 7713

Fission

77-Ir-187

Radionuclide Production Cross Section



124

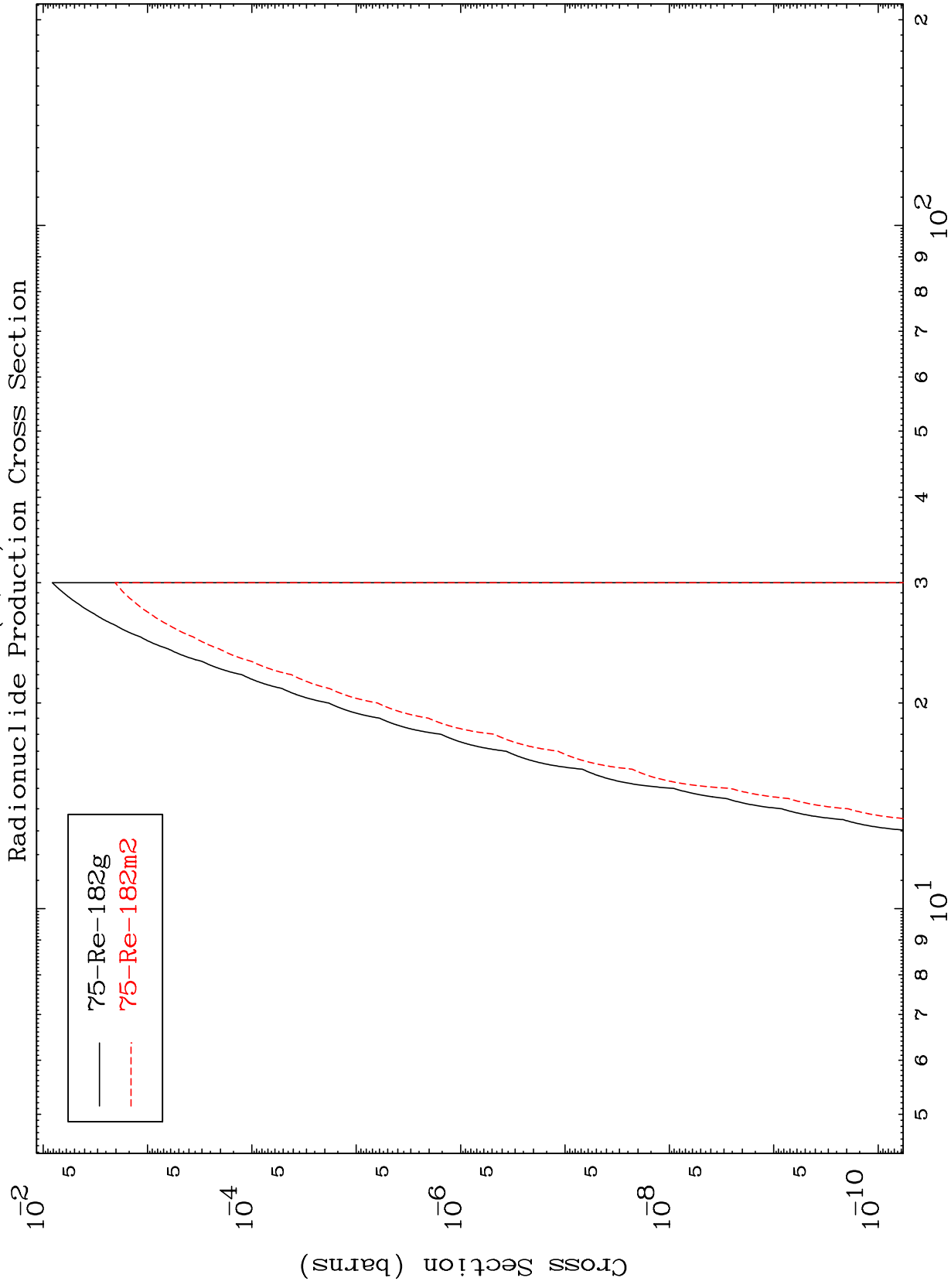
Incident Energy (MeV)

77-Ir-187

MAT 7713

$(n, 2n) \alpha$

$^{77}\text{Ir-187}$



125

Incident Energy (MeV)

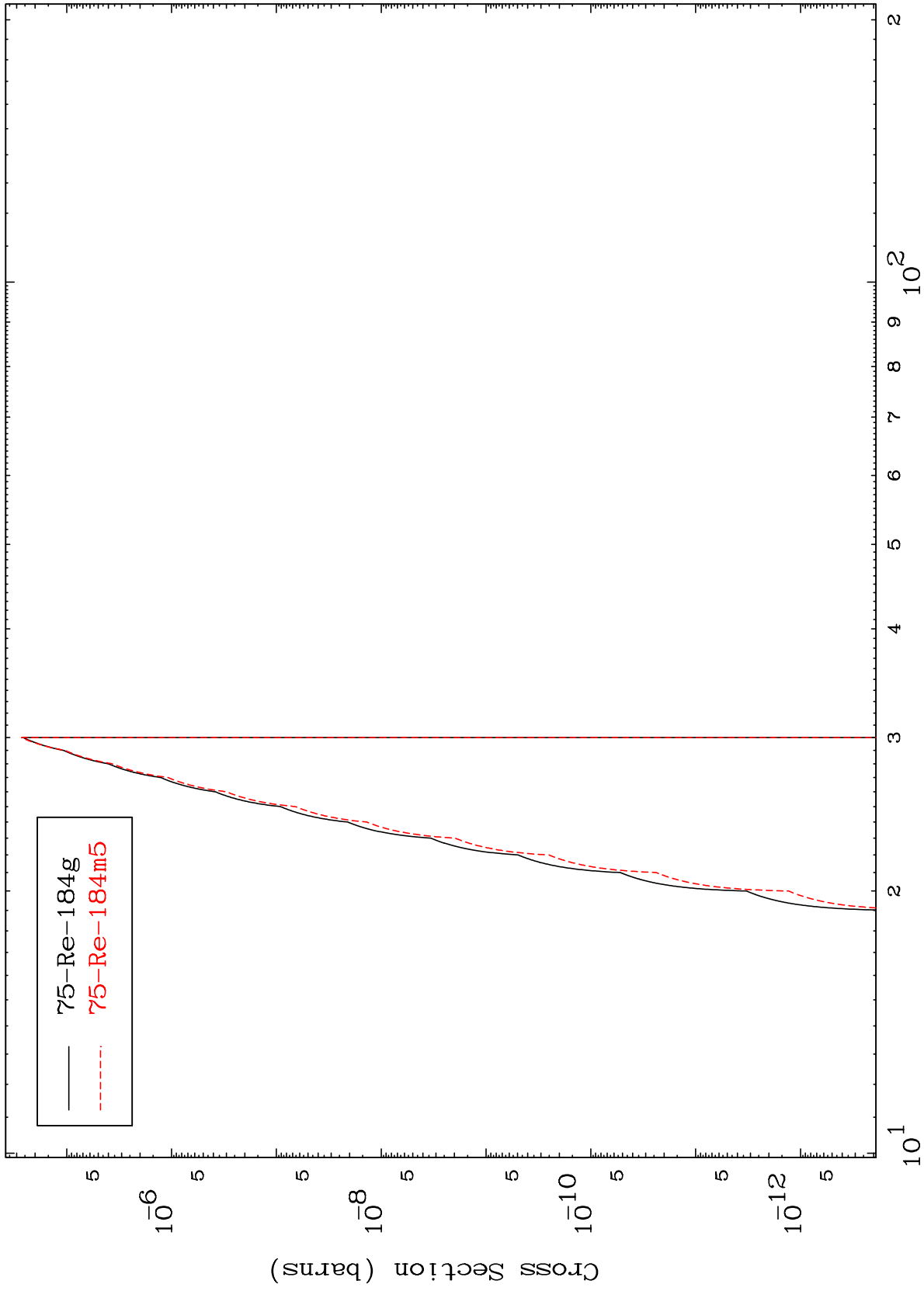
$^{77}\text{Ir-187}$

MAT 7713

(n, n') He-3

77-Ir-187

Radionuclide Production Cross Section



126

Incident Energy (MeV)

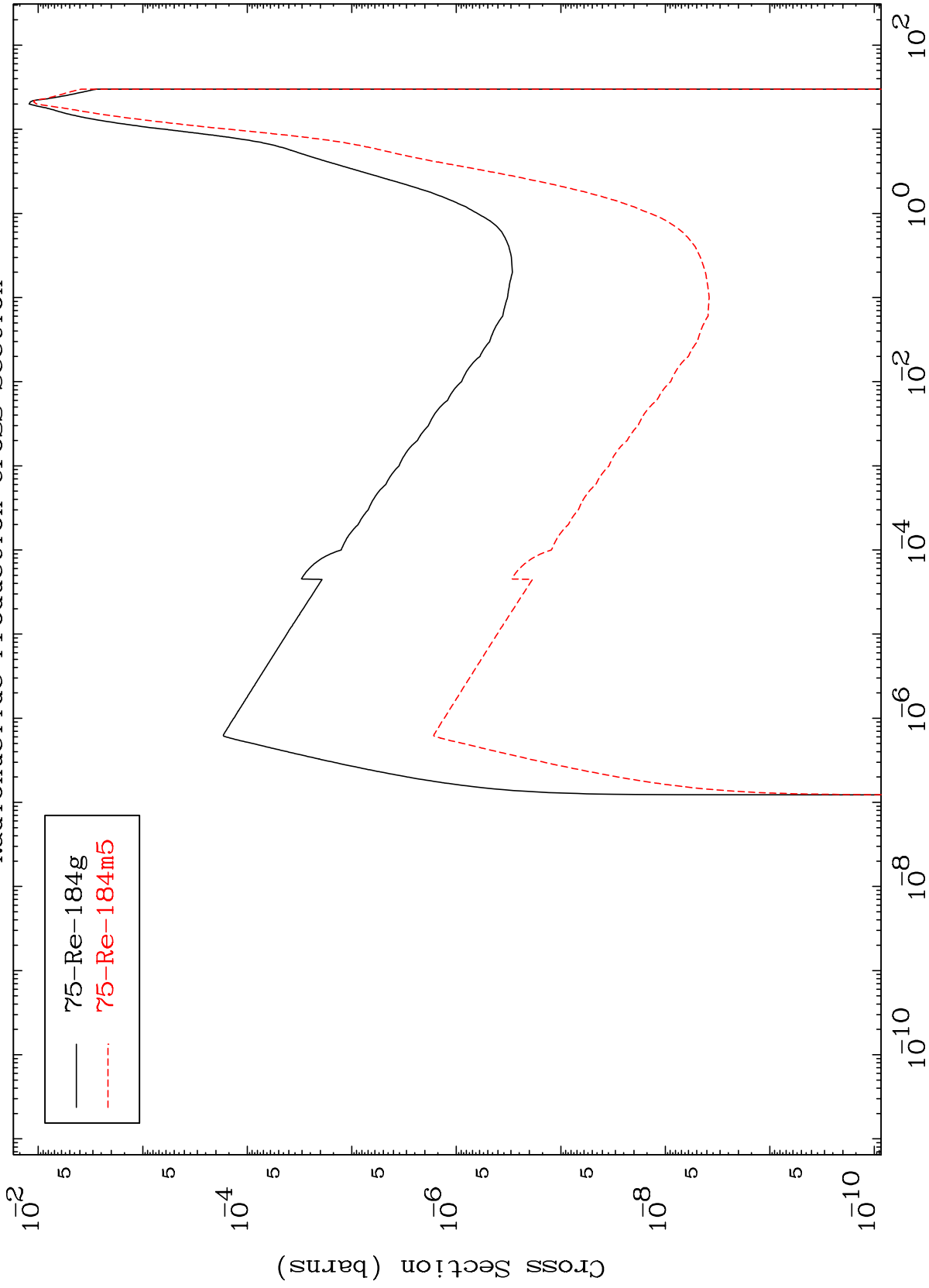
77-Ir-187

MAT 7713

(n, α)

77-Ir-187

Radionuclide Production Cross Section



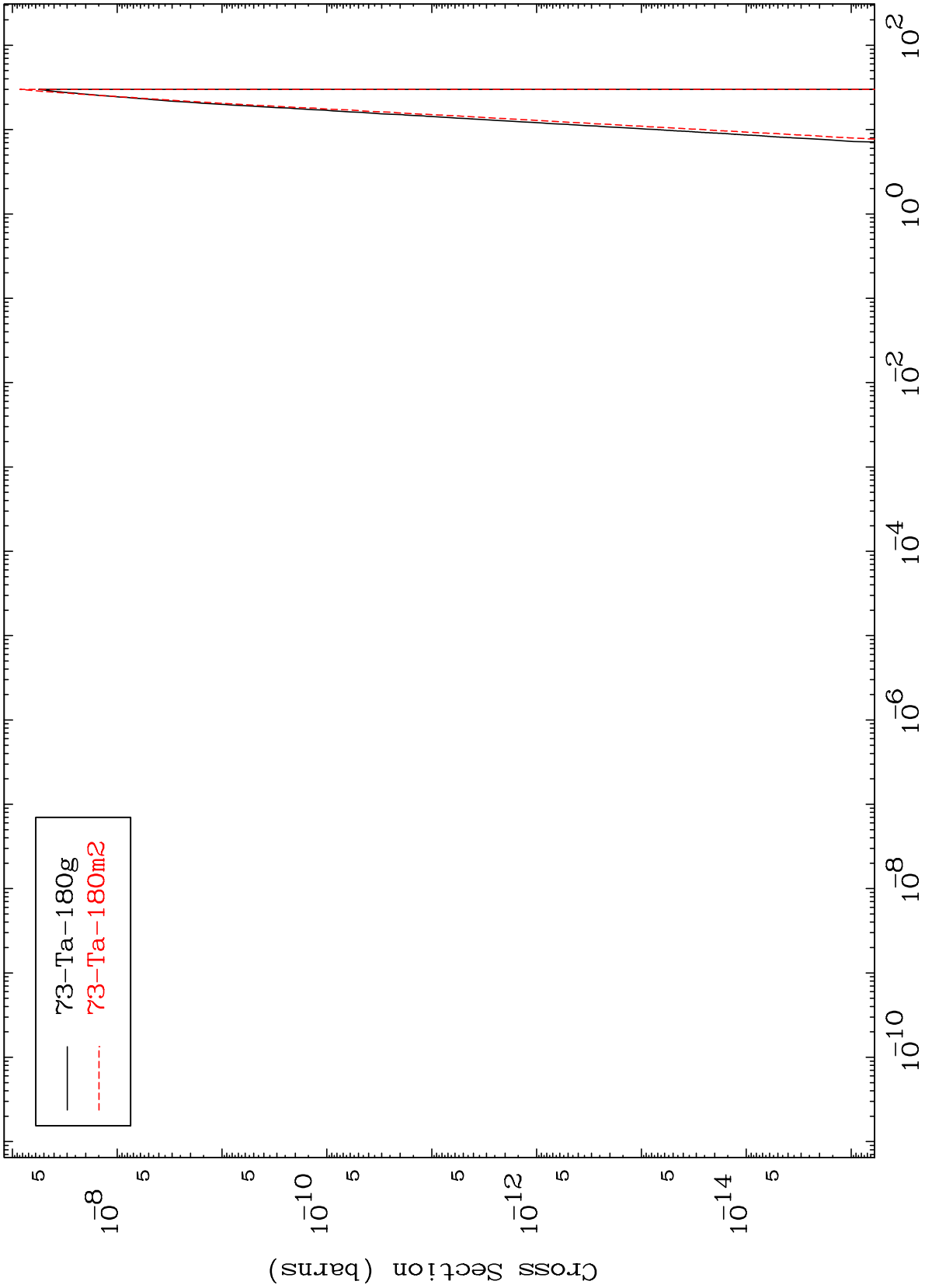
75-Re-184g
75-Re-184m5

MAT 7713

(n,2α)

77-Ir-187

Radionuclide Production Cross Section



128

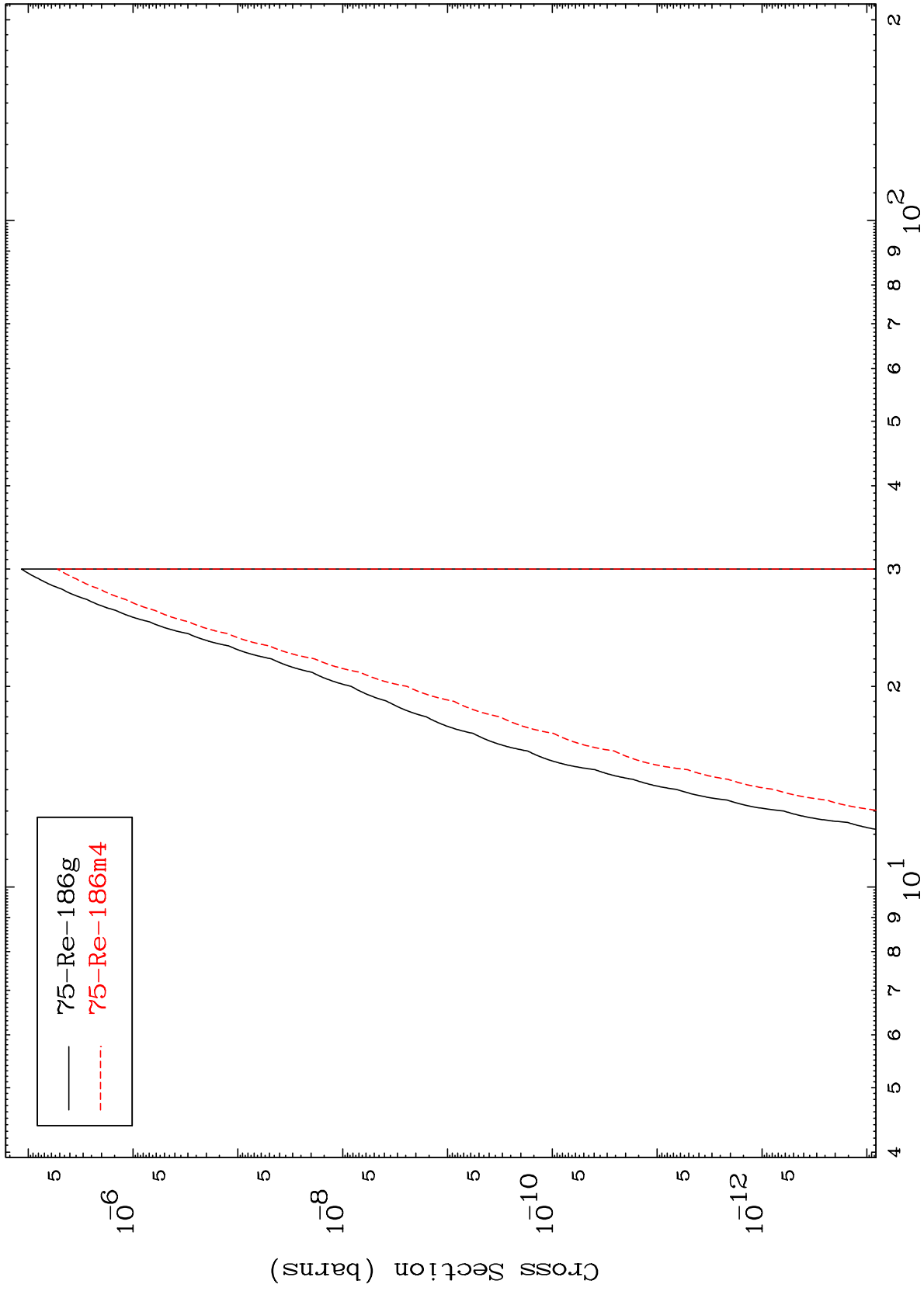
Incident Energy (MeV)

77-Ir-187

MAT 7713

77-Ir-187

(n,2p)
Radionuclide Production Cross Section



— 75-Re-186g
- - - 75-Re-186m4

129

Incident Energy (MeV)

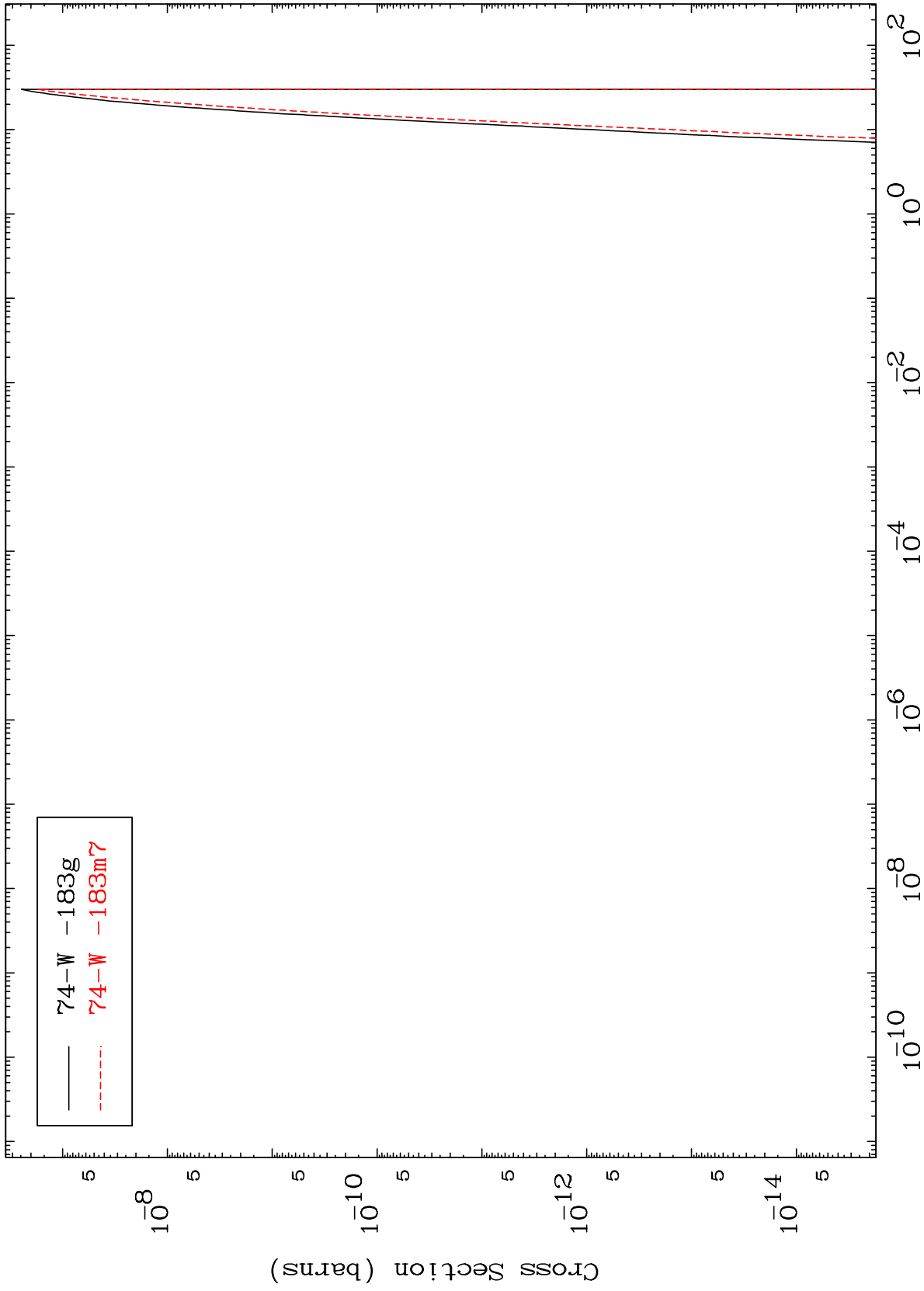
77-Ir-187

MAT 7713

(n,p) α

77-Ir-187

Radionuclide Production Cross Section



130

Incident Energy (MeV)

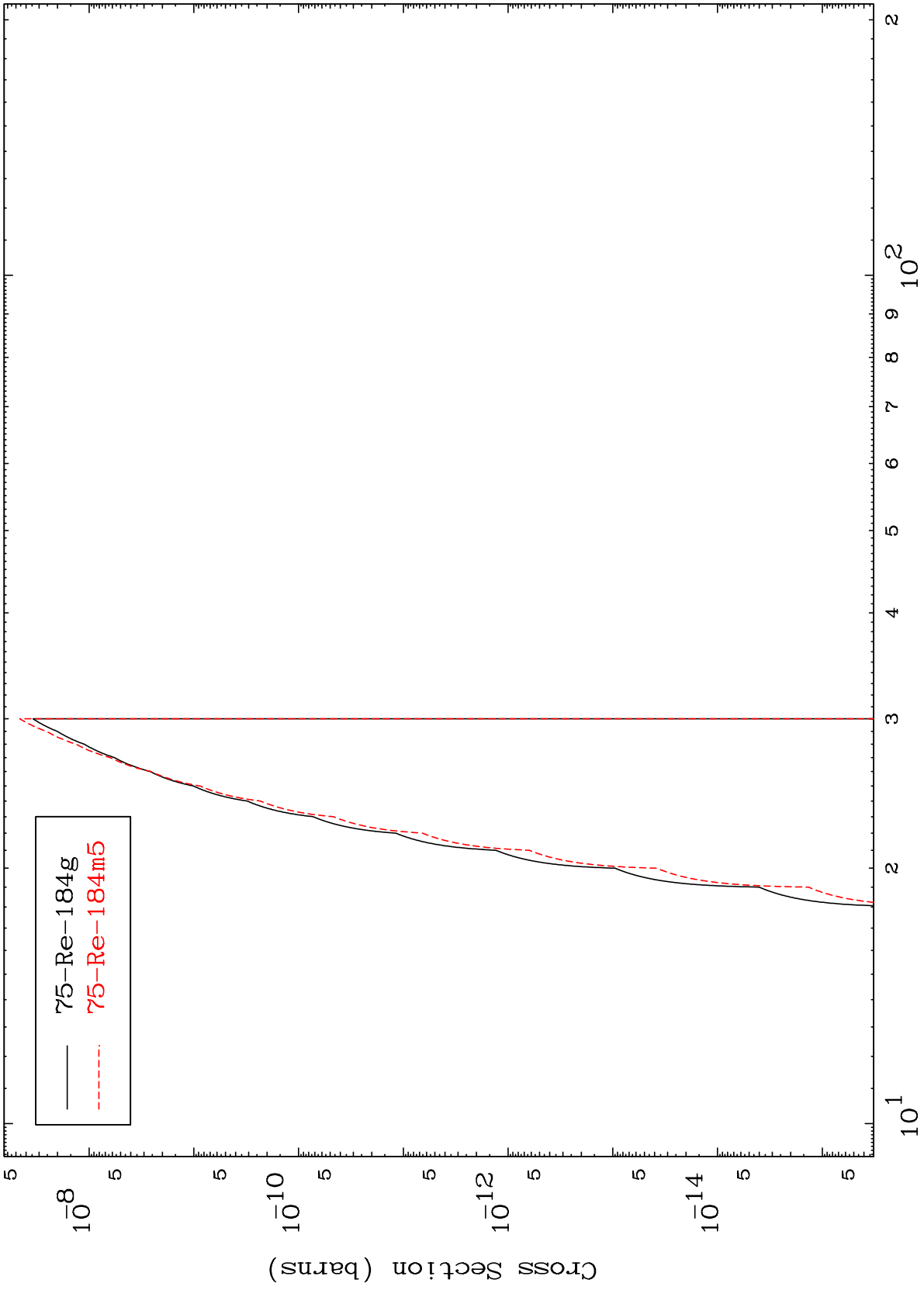
77-Ir-187

MAT 7713

(n,p) t

77-Ir-187

Radionuclide Production Cross Section



131

Incident Energy (MeV)

77-Ir-187