

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

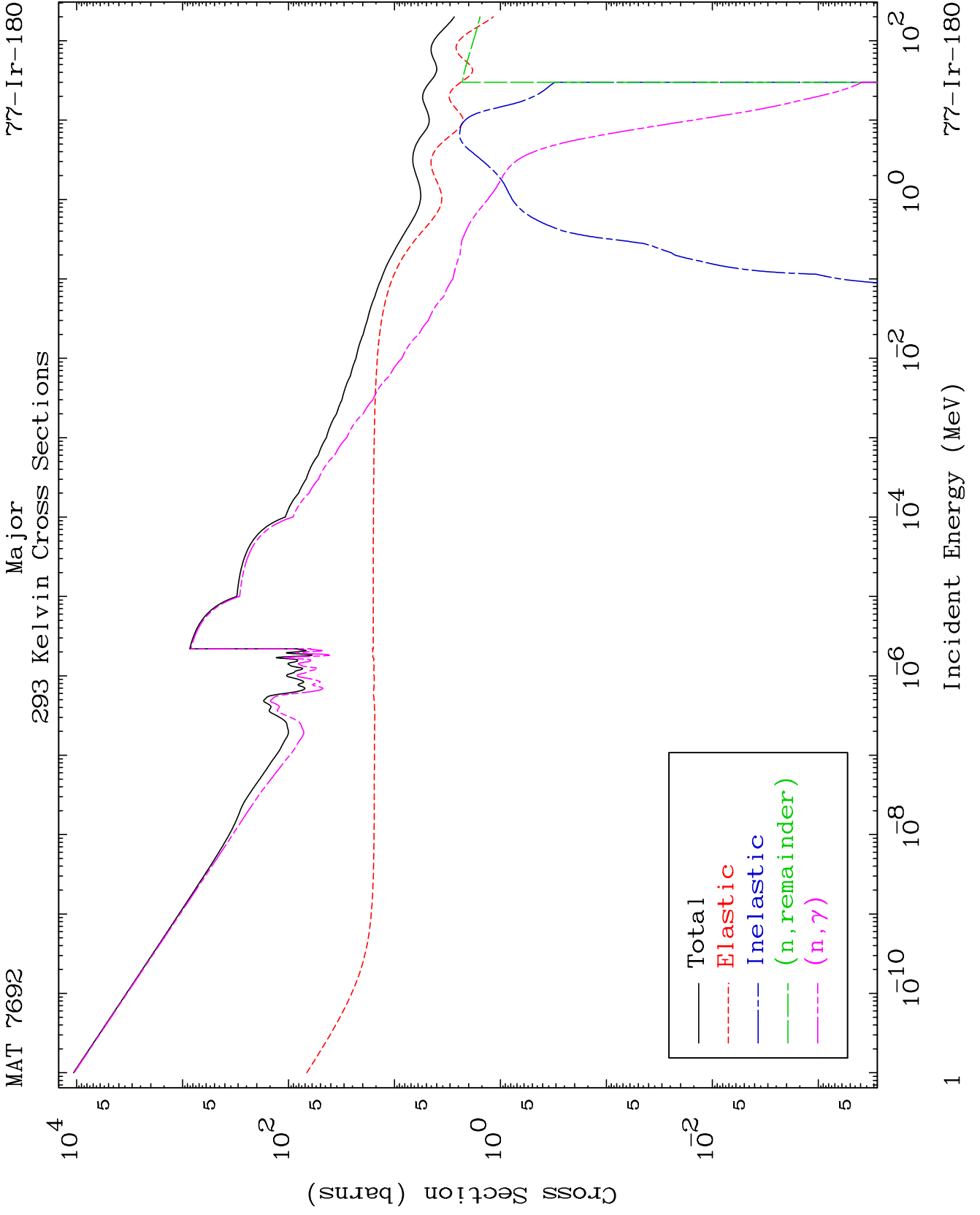
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E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

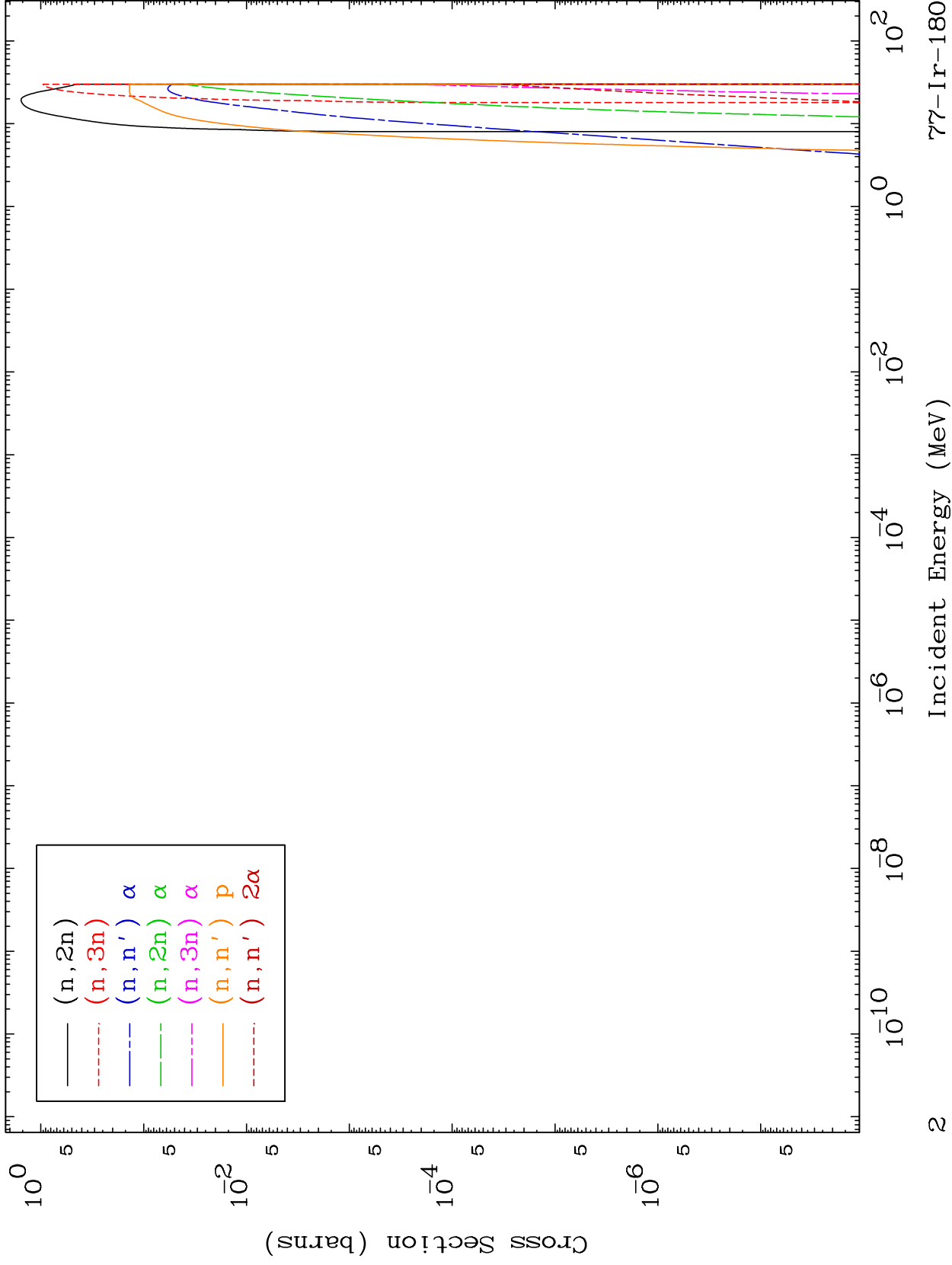
Press Mouse Button to Start



MAT 7692

Neutron Production
293 Kelvin Cross Sections

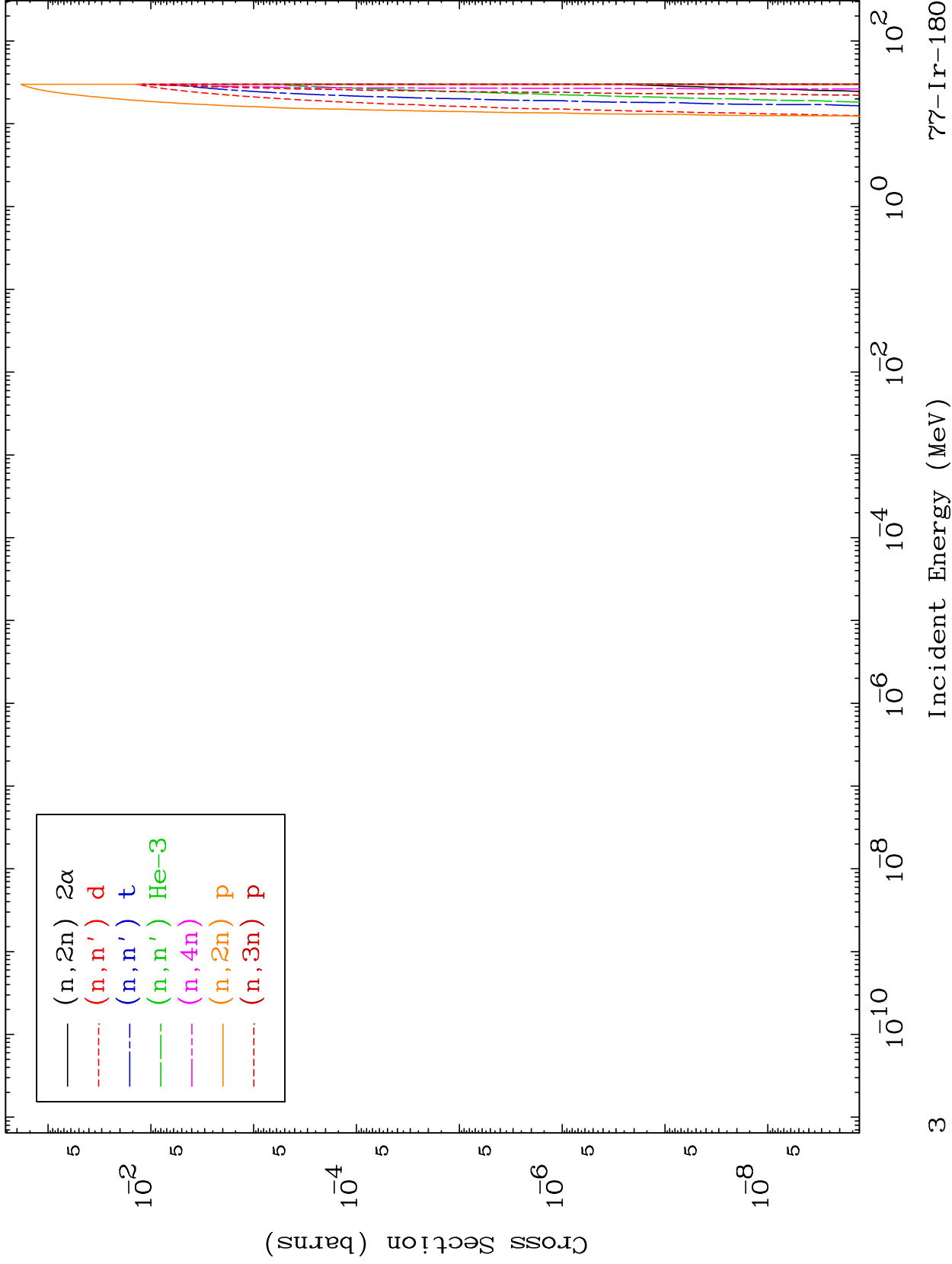
77-Ir-180



MAT 7692

Neutron Production
293 Kelvin Cross Sections

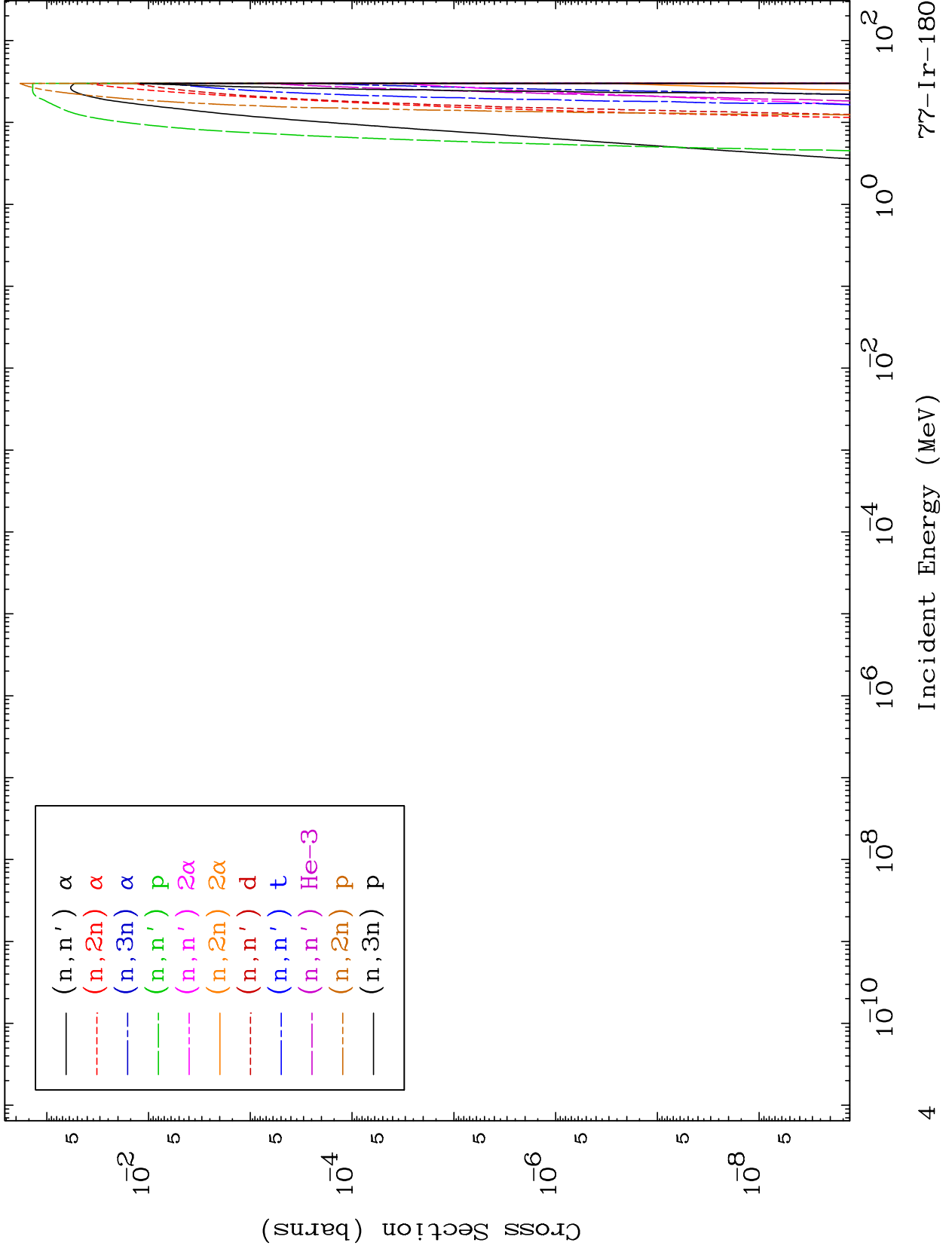
⁷⁷Ir-180

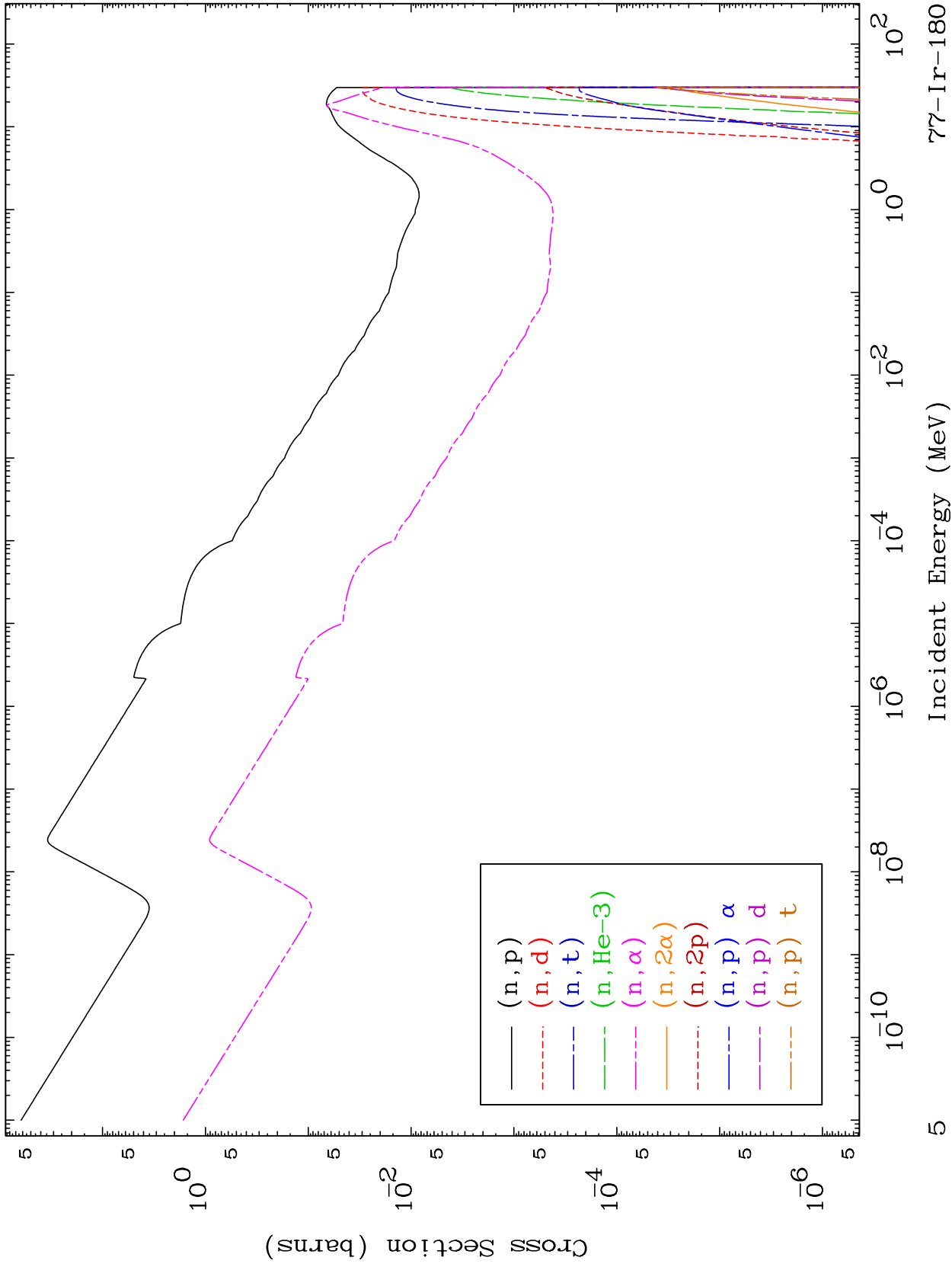


MAT 7692

Charged Particle
293 Kelvin Cross Sections

77-Ir-180

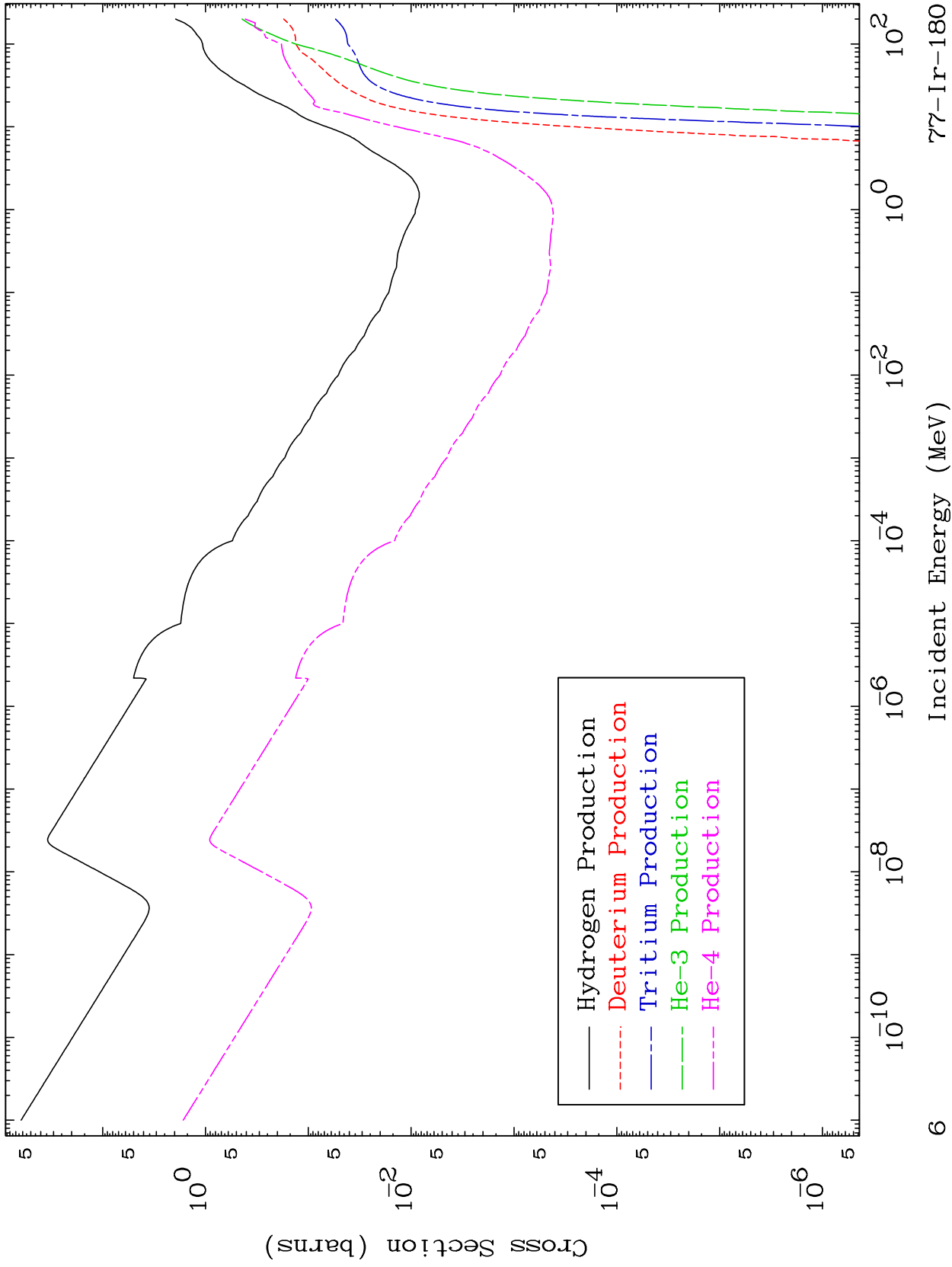




MAT 7692

Particle Production
293 Kelvin Cross Sections

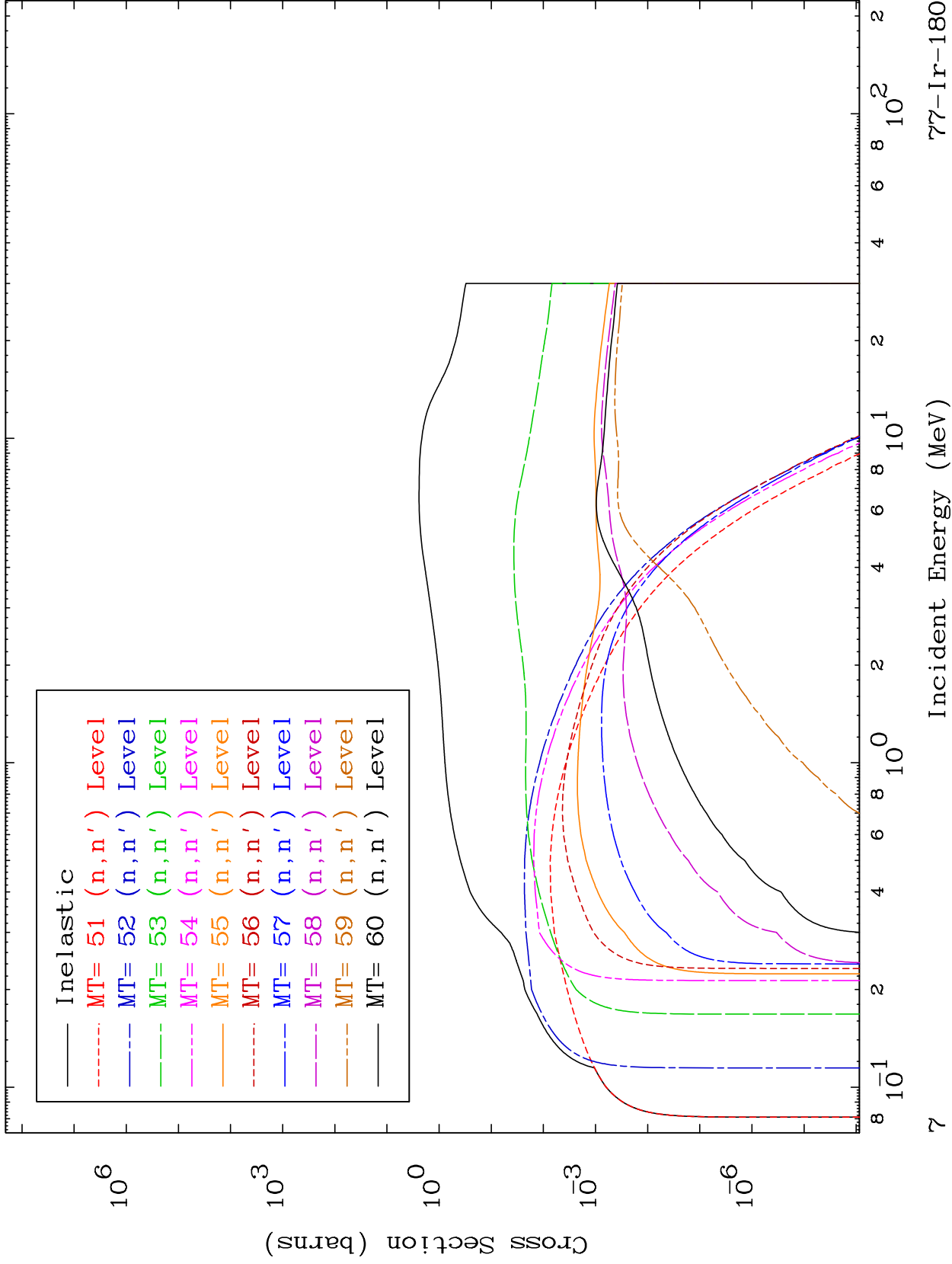
77-Ir-180



MAT 7692

(n,n') Level
293 Kelvin Cross Sections

77-Ir-180

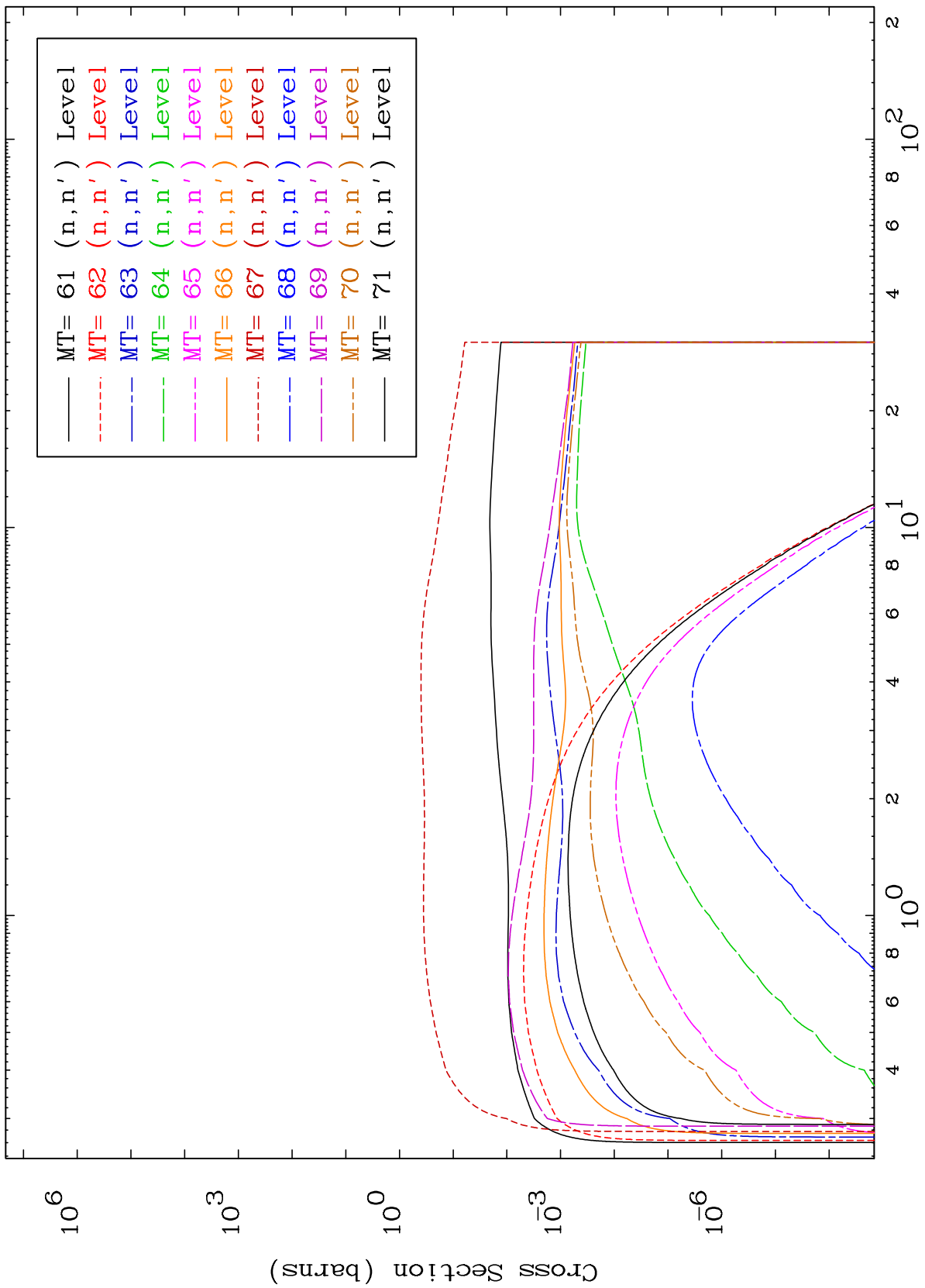


77-Ir-180

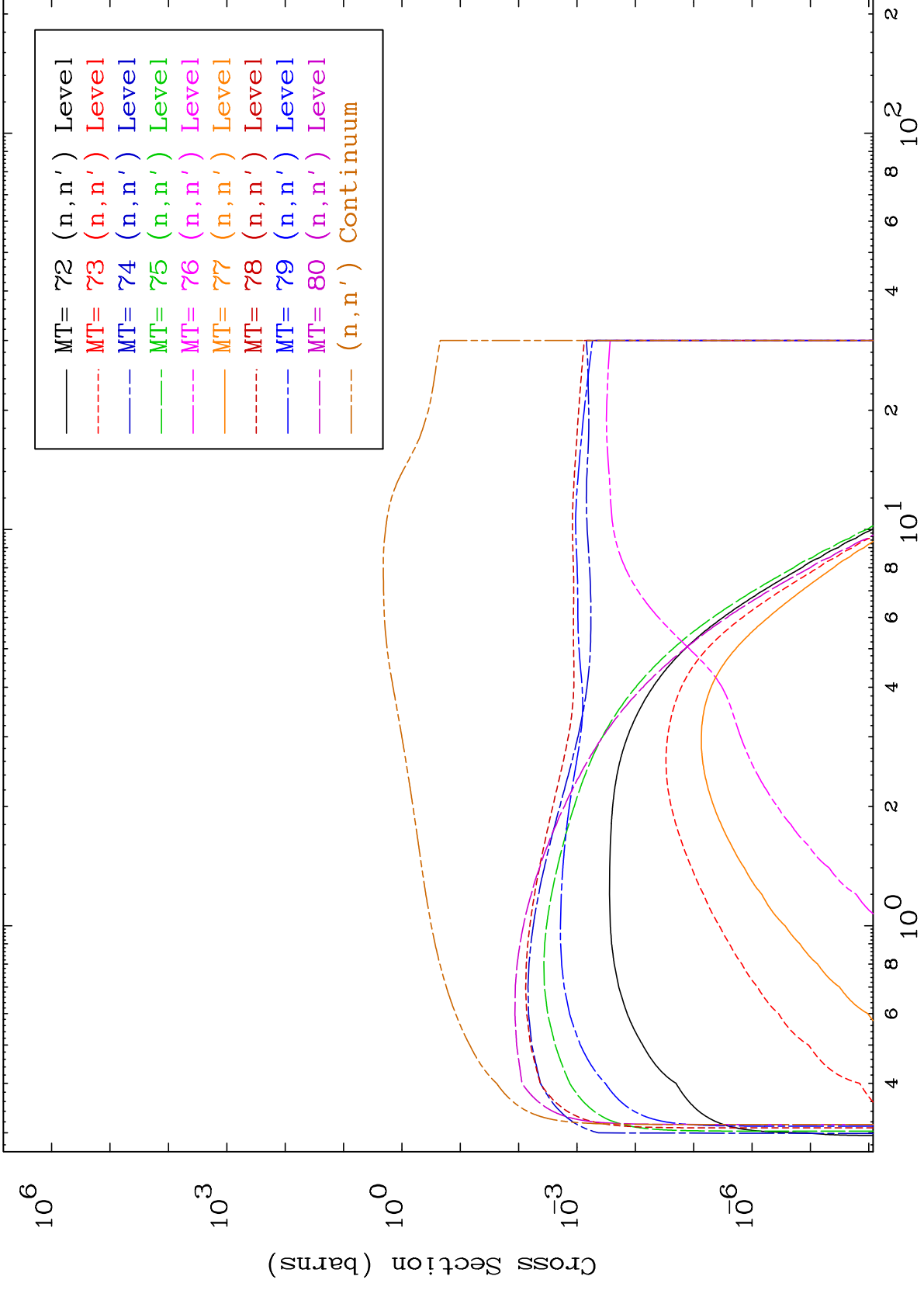
Incident Energy (MeV)

7

293 Kelvin Cross Sections



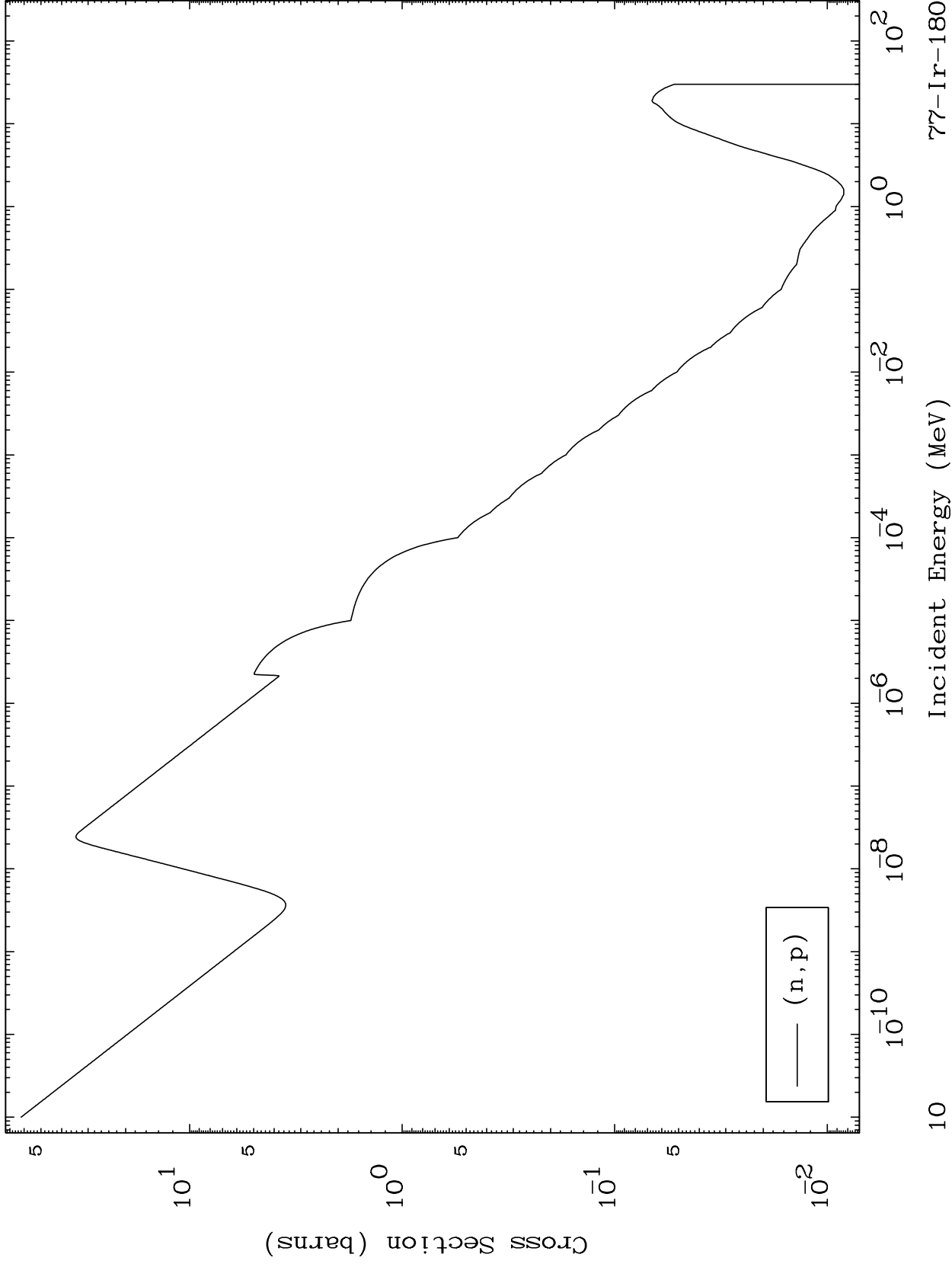
293 Kelvin Cross Sections



MAT 7692

(n,p) Levels
293 Kelvin Cross Sections

⁷⁷Ir-180



10

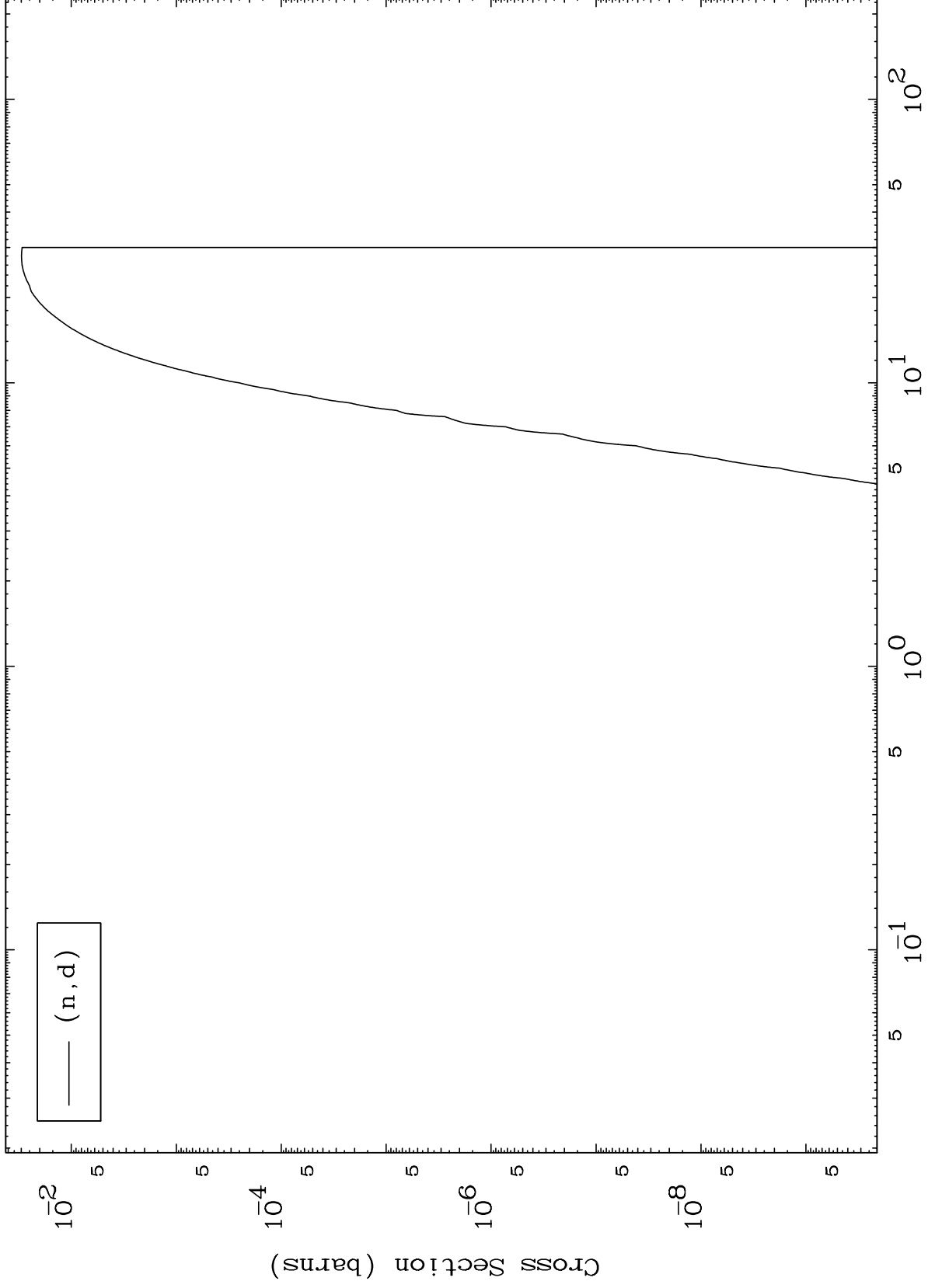
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

(n,d) Levels
293 Kelvin Cross Sections

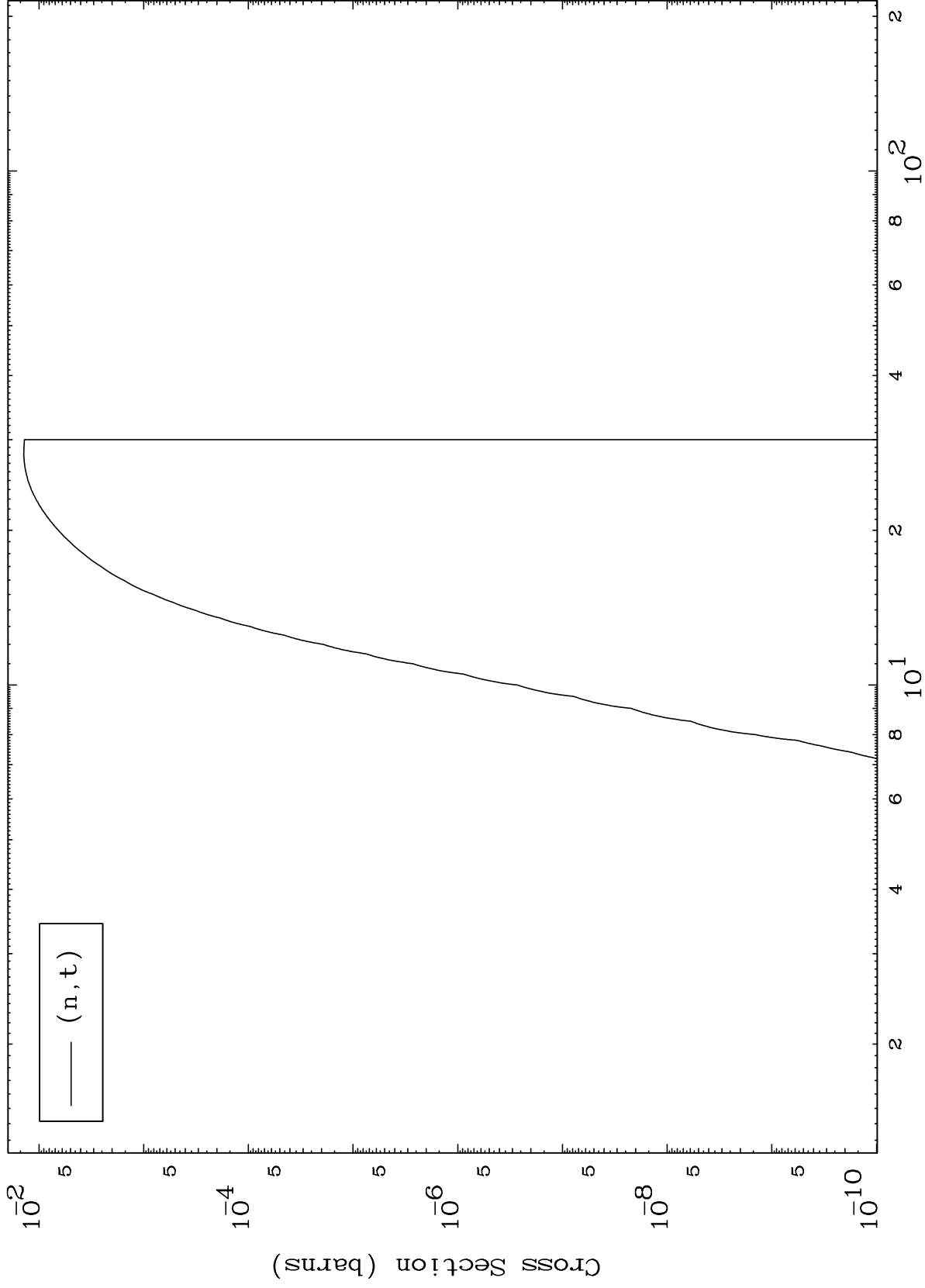
⁷⁷Ir-180



MAT 7692

(n,t) Levels
293 Kelvin Cross Sections

⁷⁷Ir-180



12

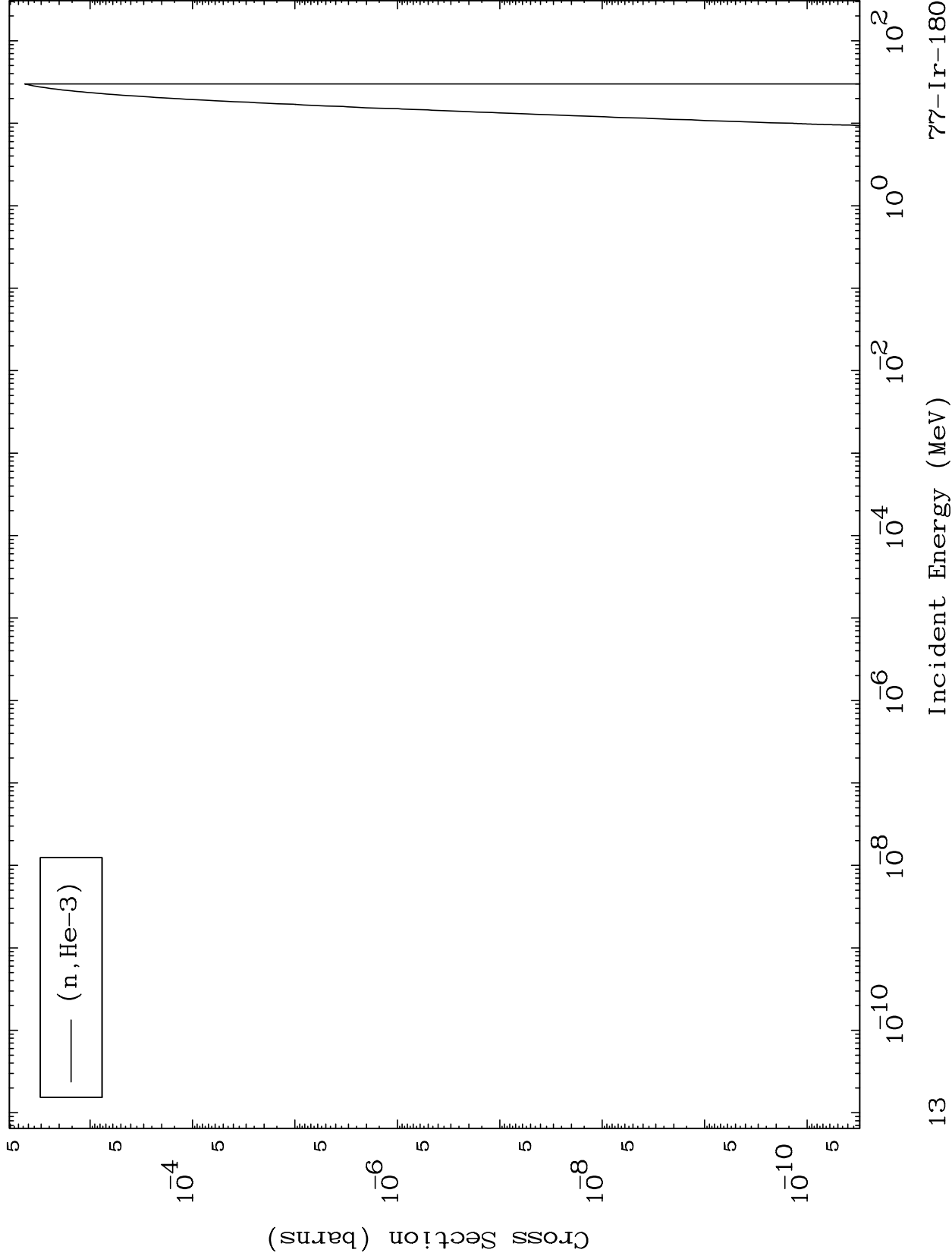
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

(n,He3) Levels
293 Kelvin Cross Sections

⁷⁷Ir-180



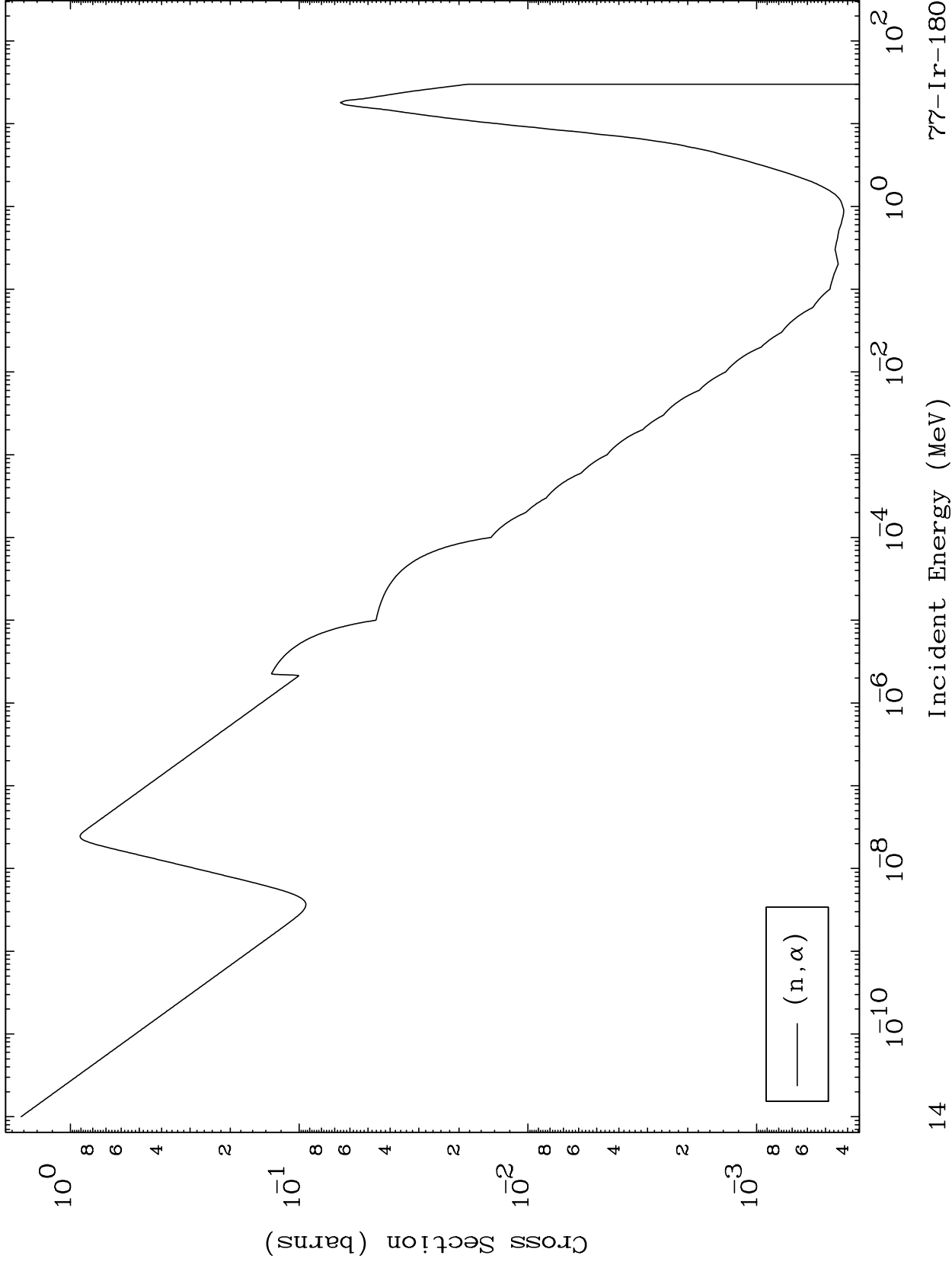
13

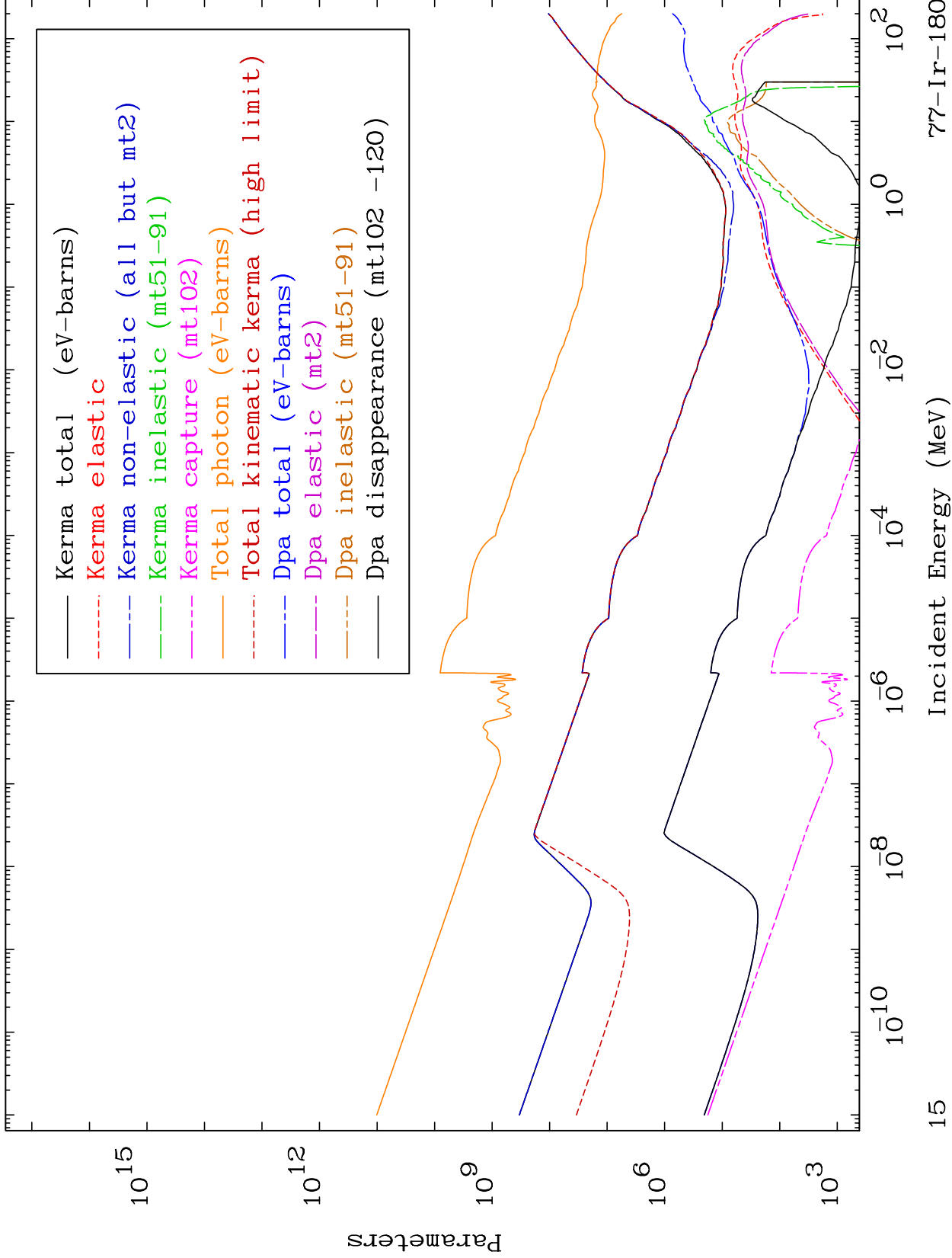
⁷⁷Ir-180

MAT 7692

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-180

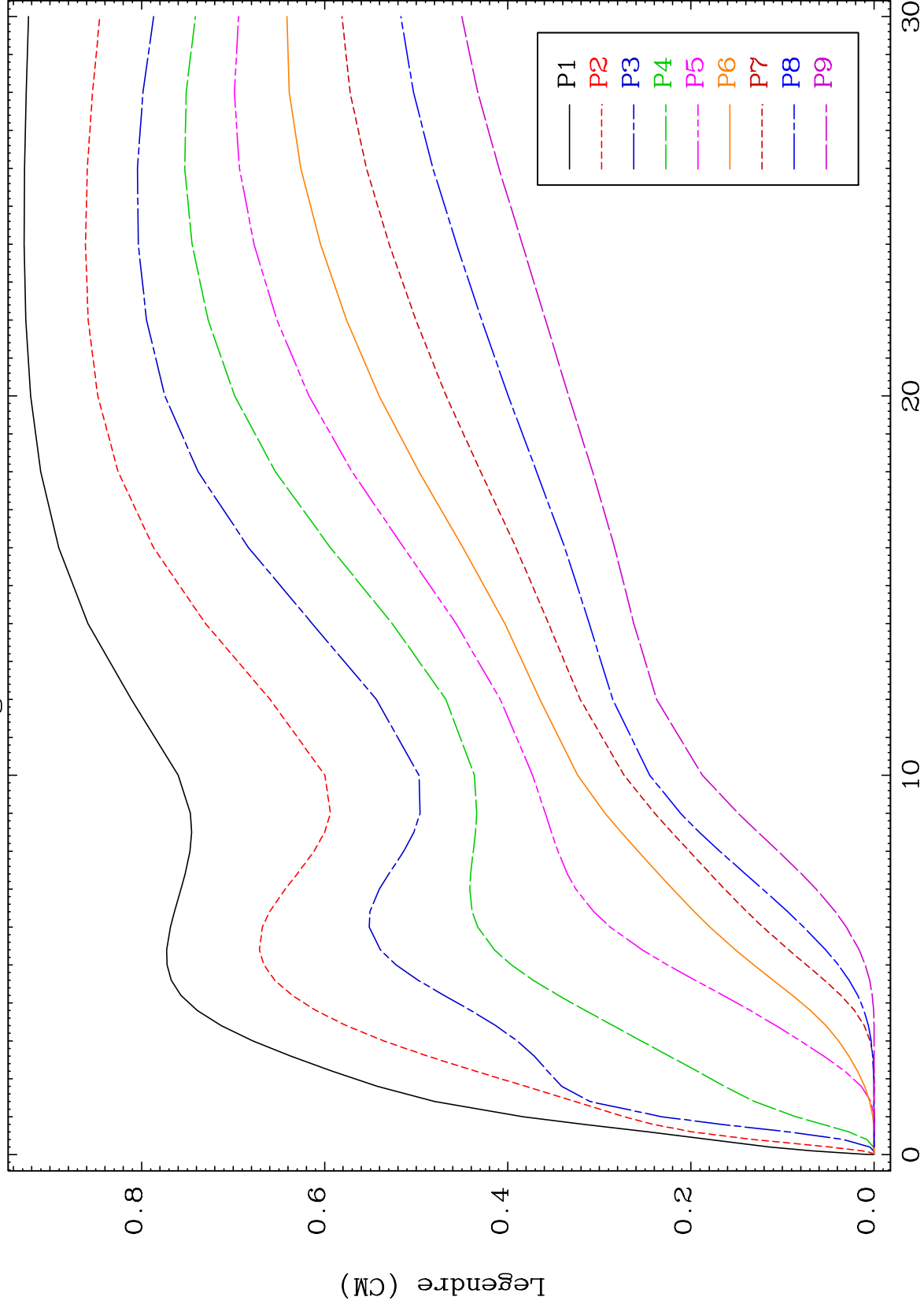




MAT 7692

Elastic Legendre Coefficients

⁷⁷Ir-180



16

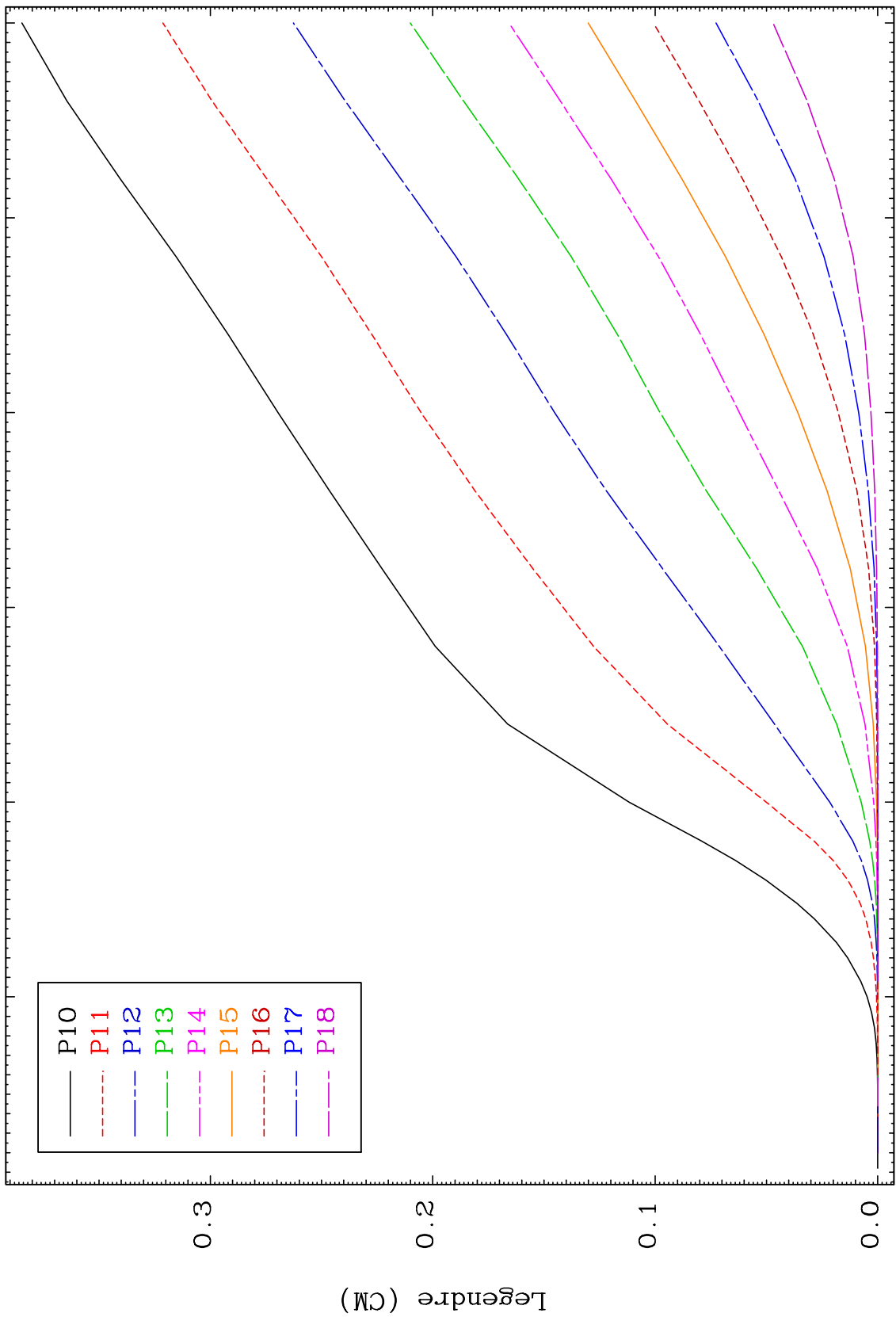
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

Elastic Legendre Coefficients

⁷⁷Ir-180



17

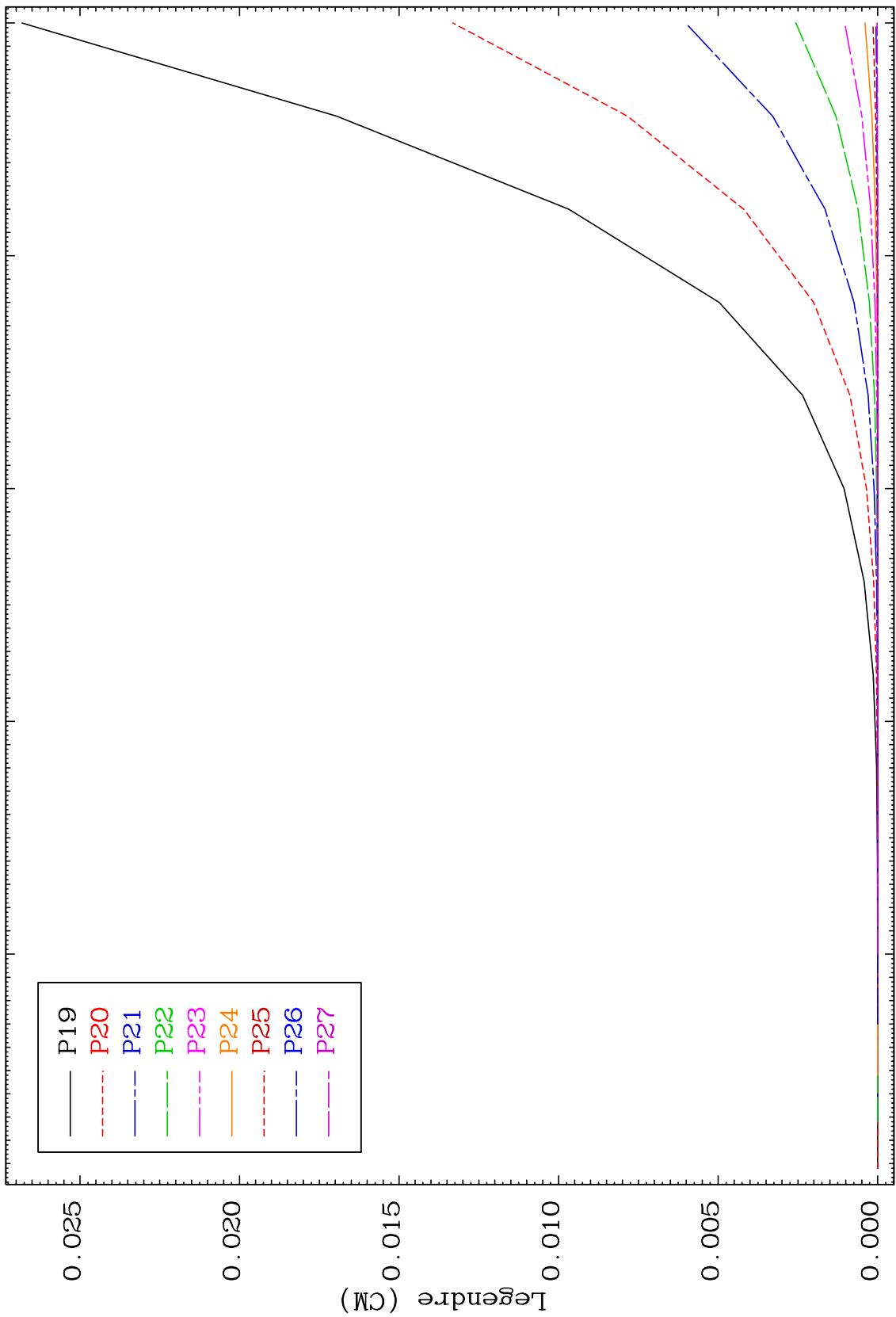
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

Elastic Legendre Coefficients

⁷⁷Ir-180



18

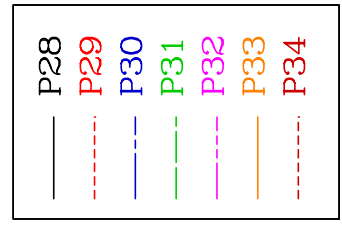
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

Elastic Legendre Coefficients

⁷⁷Ir-180

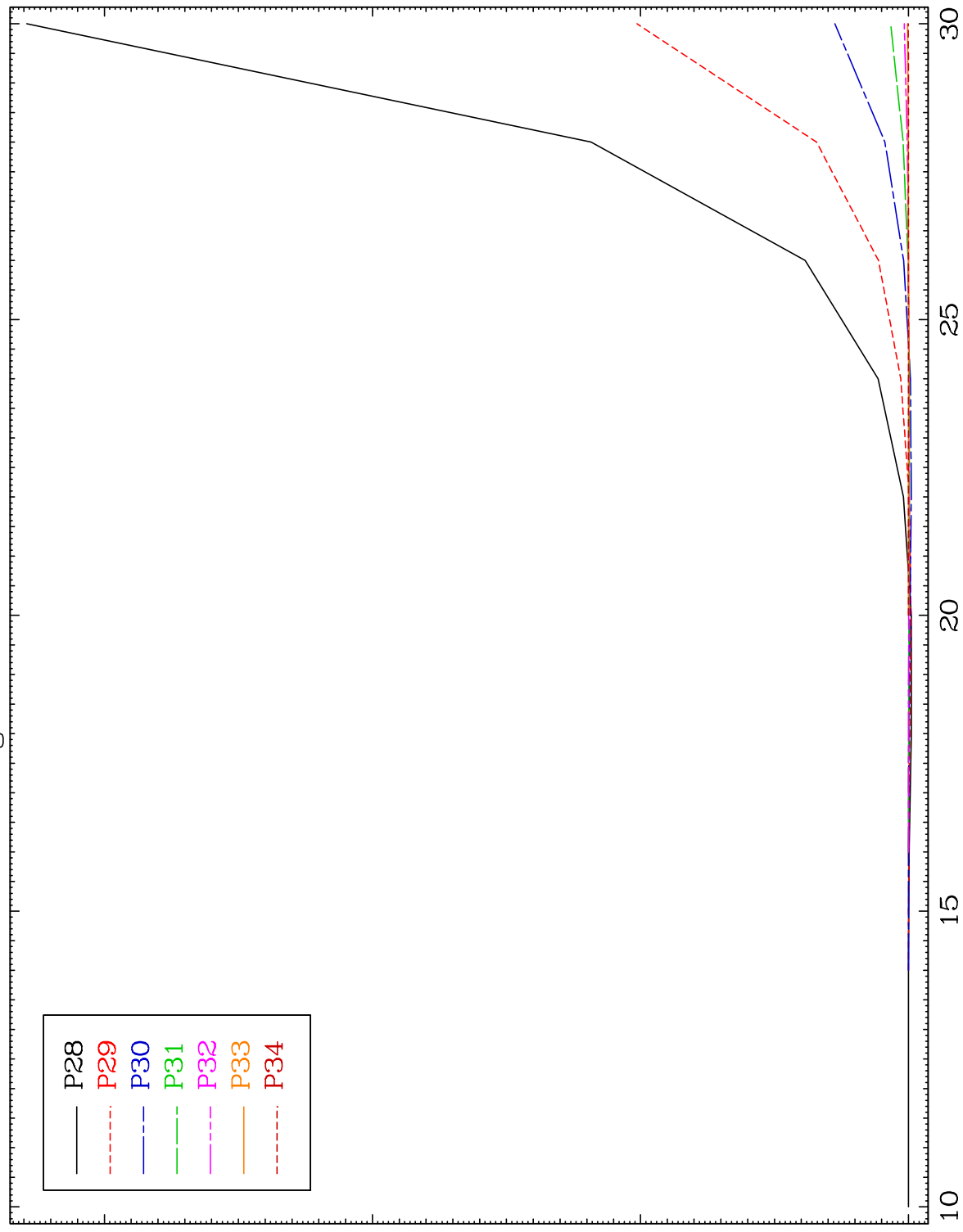


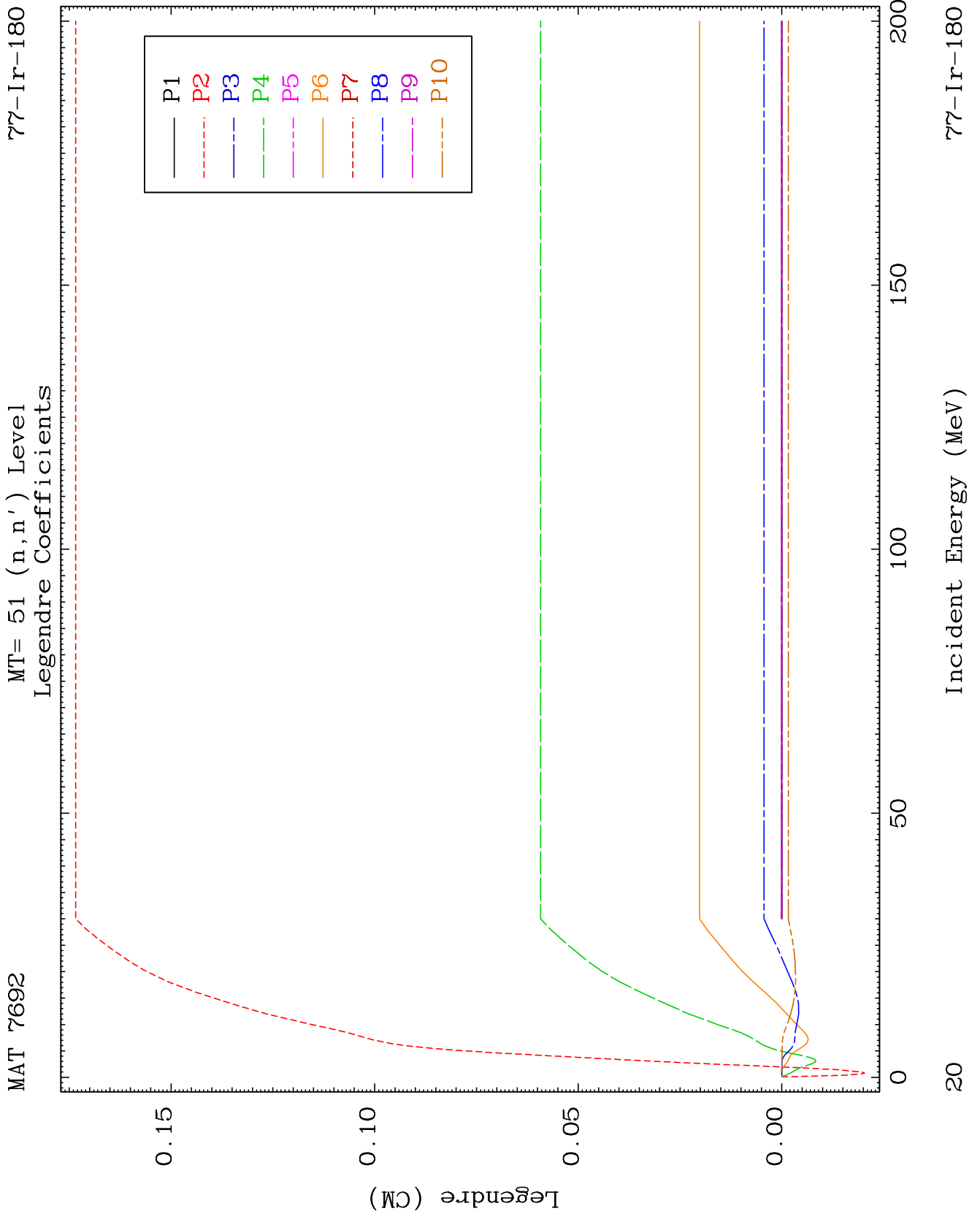
$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

⁷⁷Ir-180

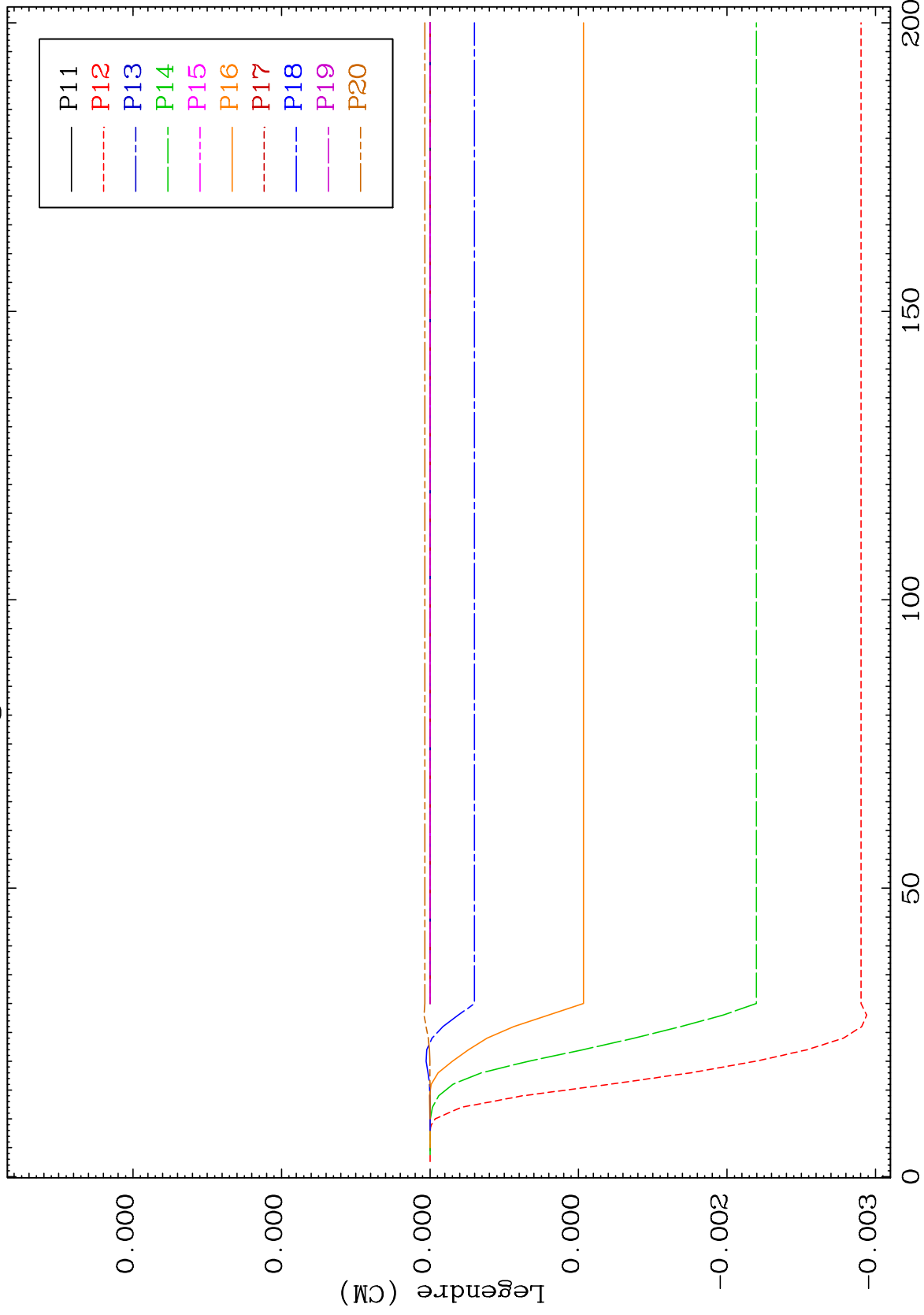




MAT 7692

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

77-Ir-180



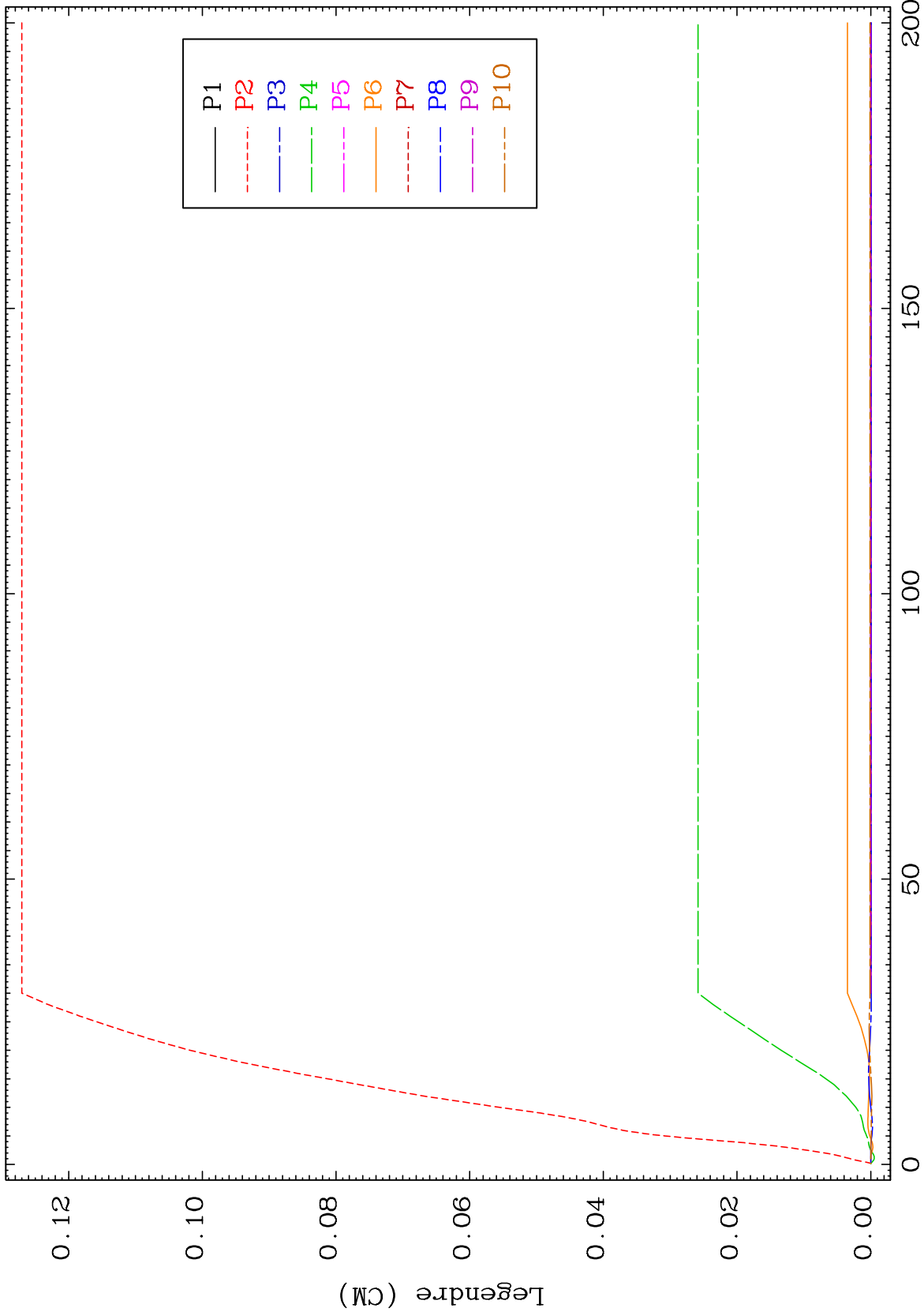
21

77-Ir-180

MAT 7692

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

77-Ir-180



23

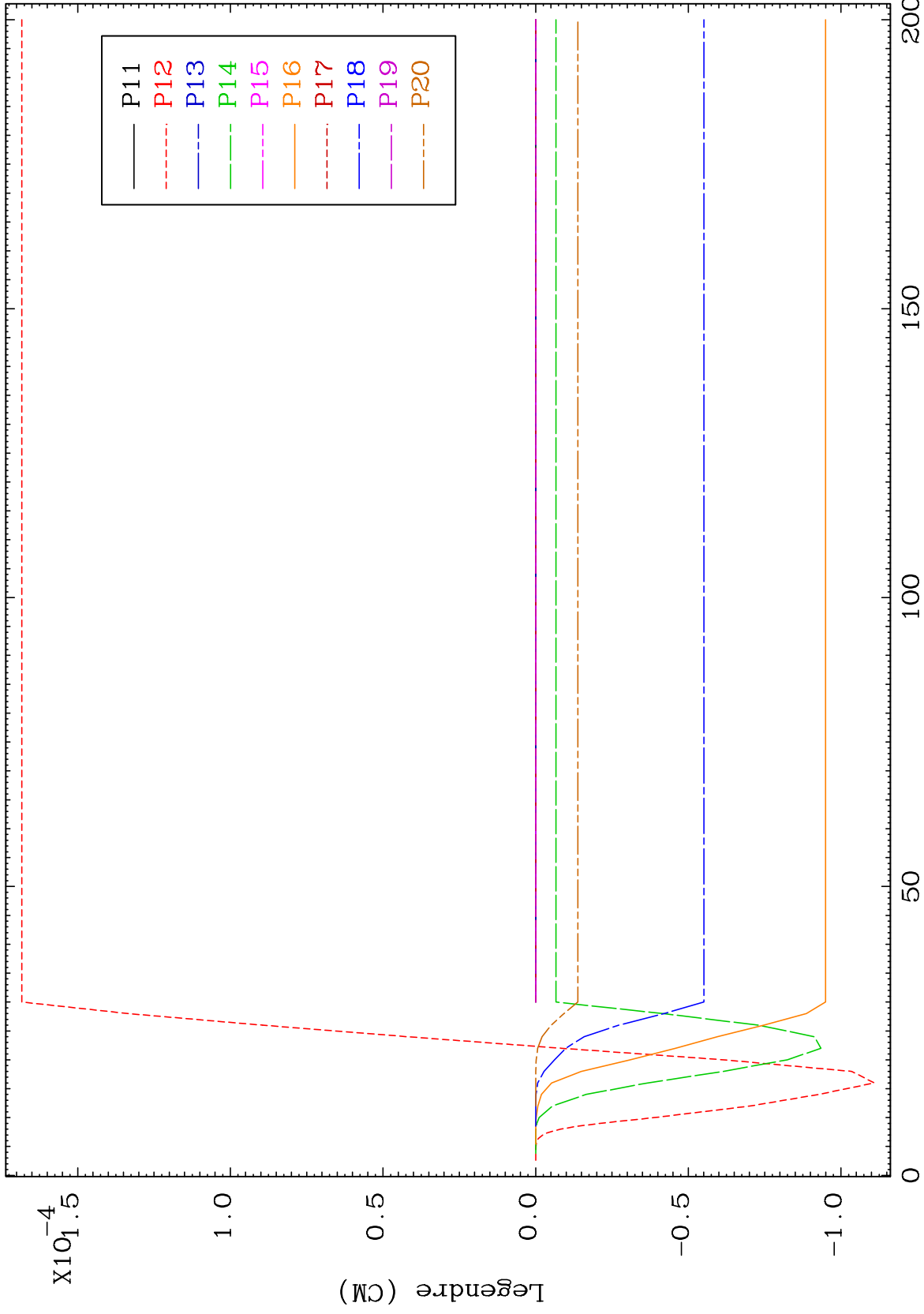
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



24

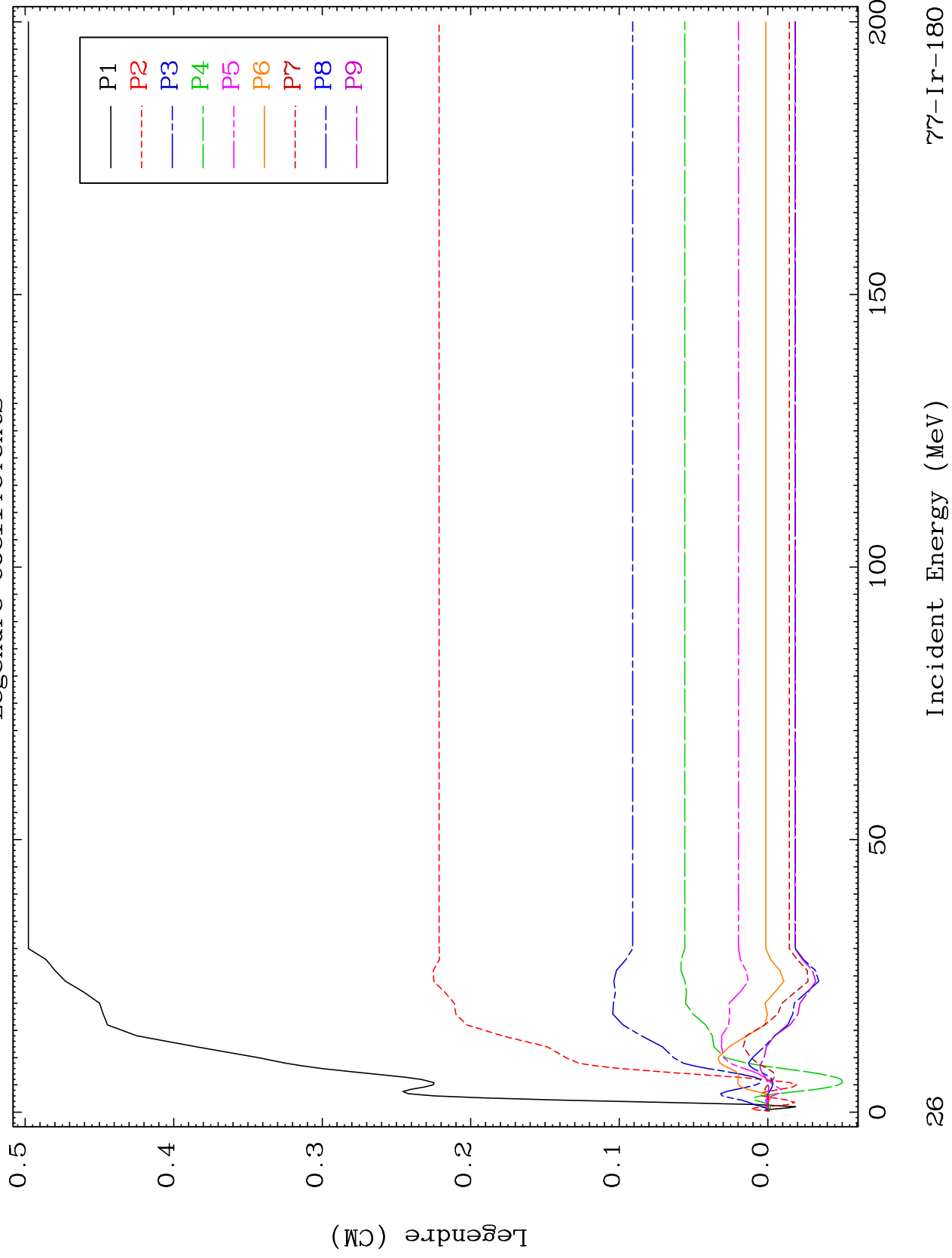
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

⁷⁷Ir-180



⁷⁷Ir-180

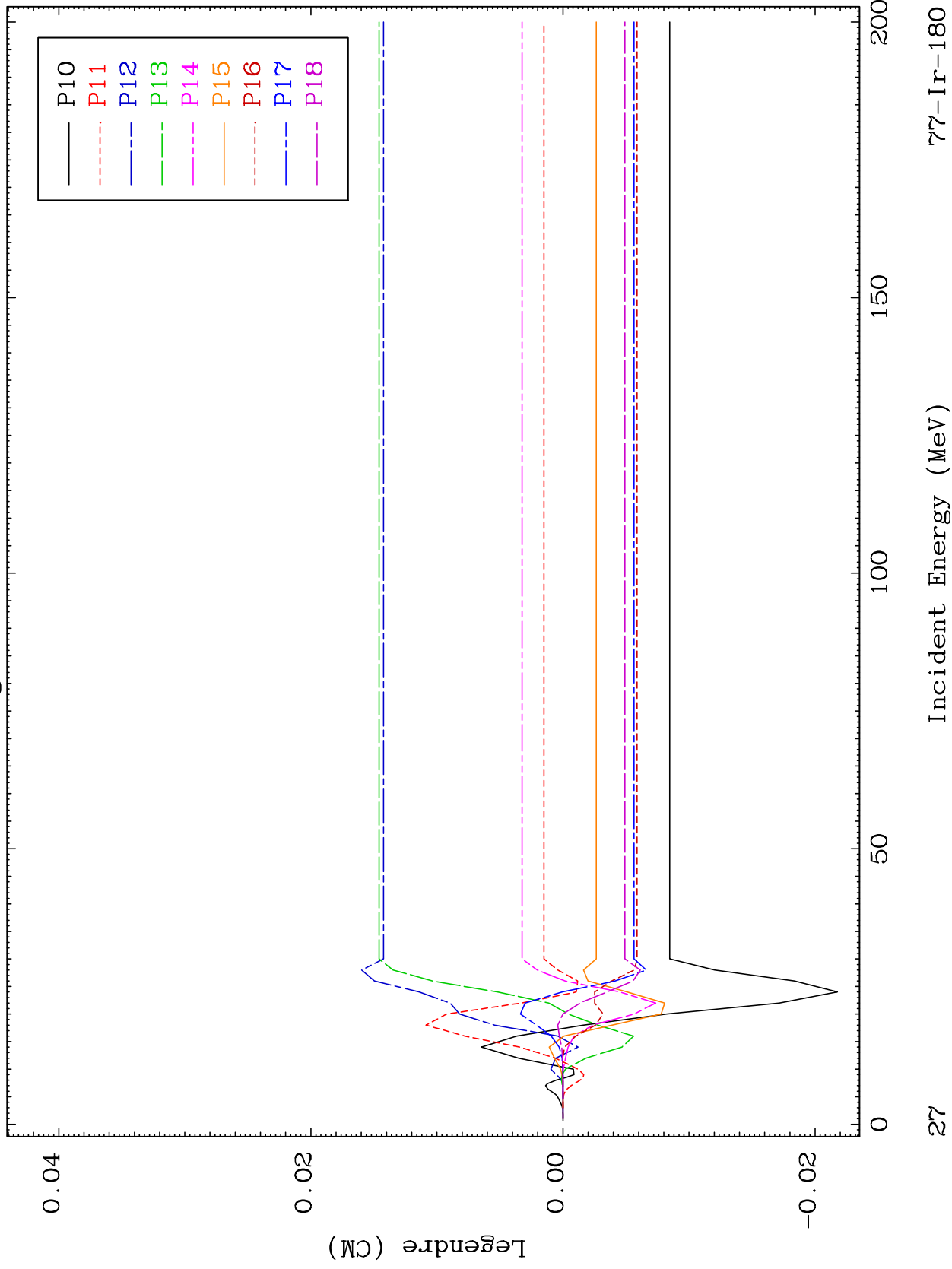
Incident Energy (MeV)

26

MAT 7692

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

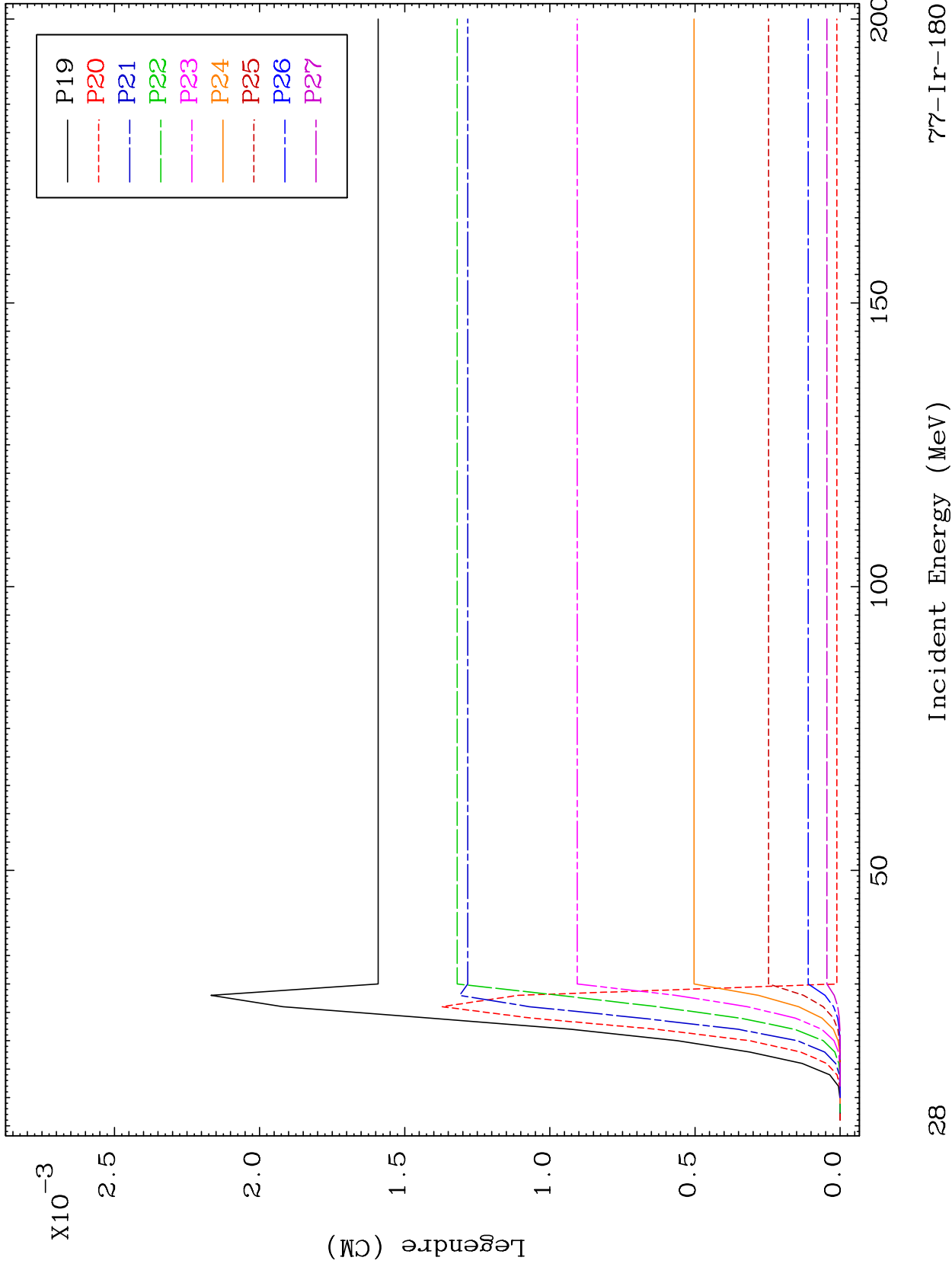
77-Ir-180



27

Incident Energy (MeV)

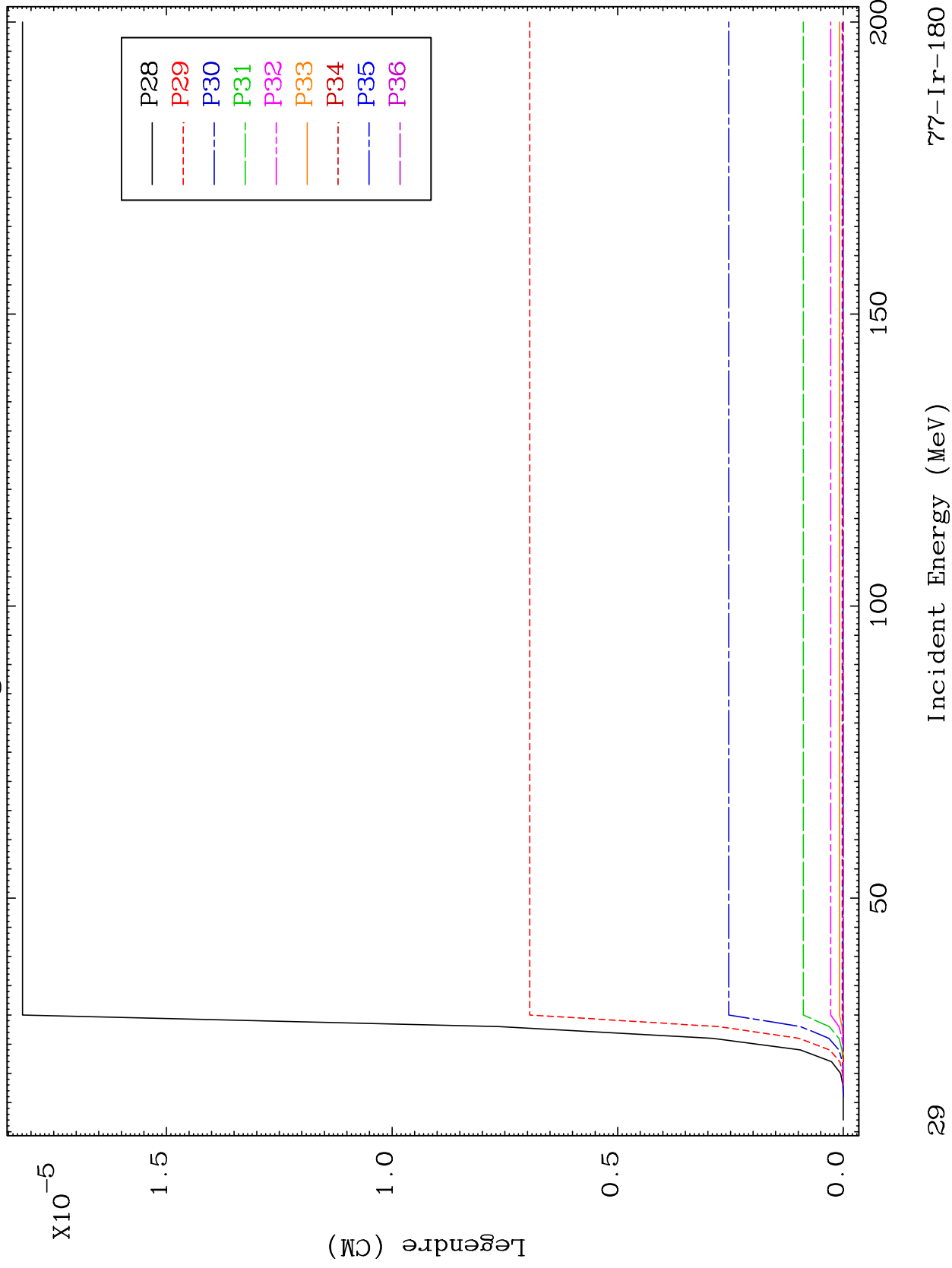
77-Ir-180



MAT 7692

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

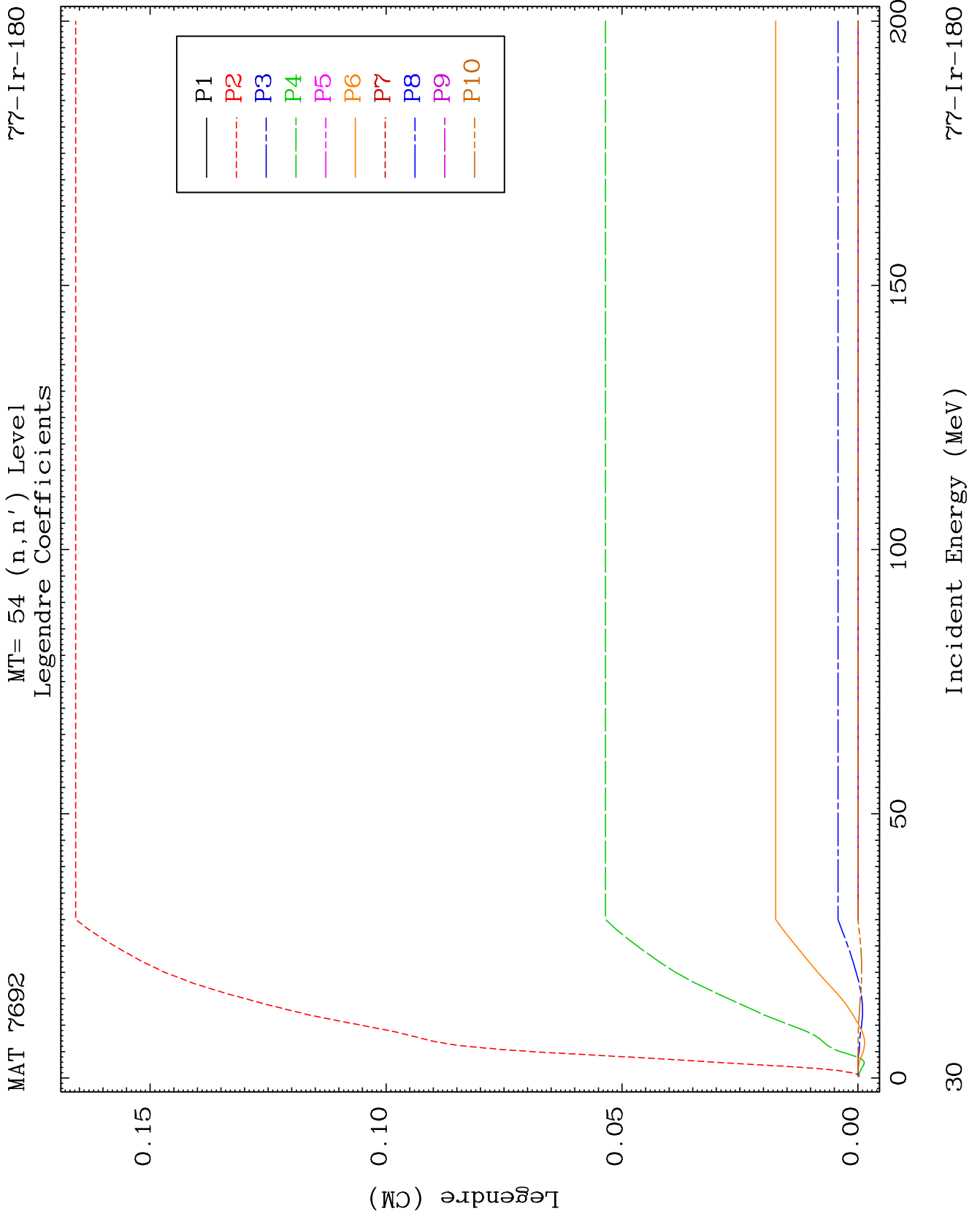
77-Ir-180



29

Incident Energy (MeV)

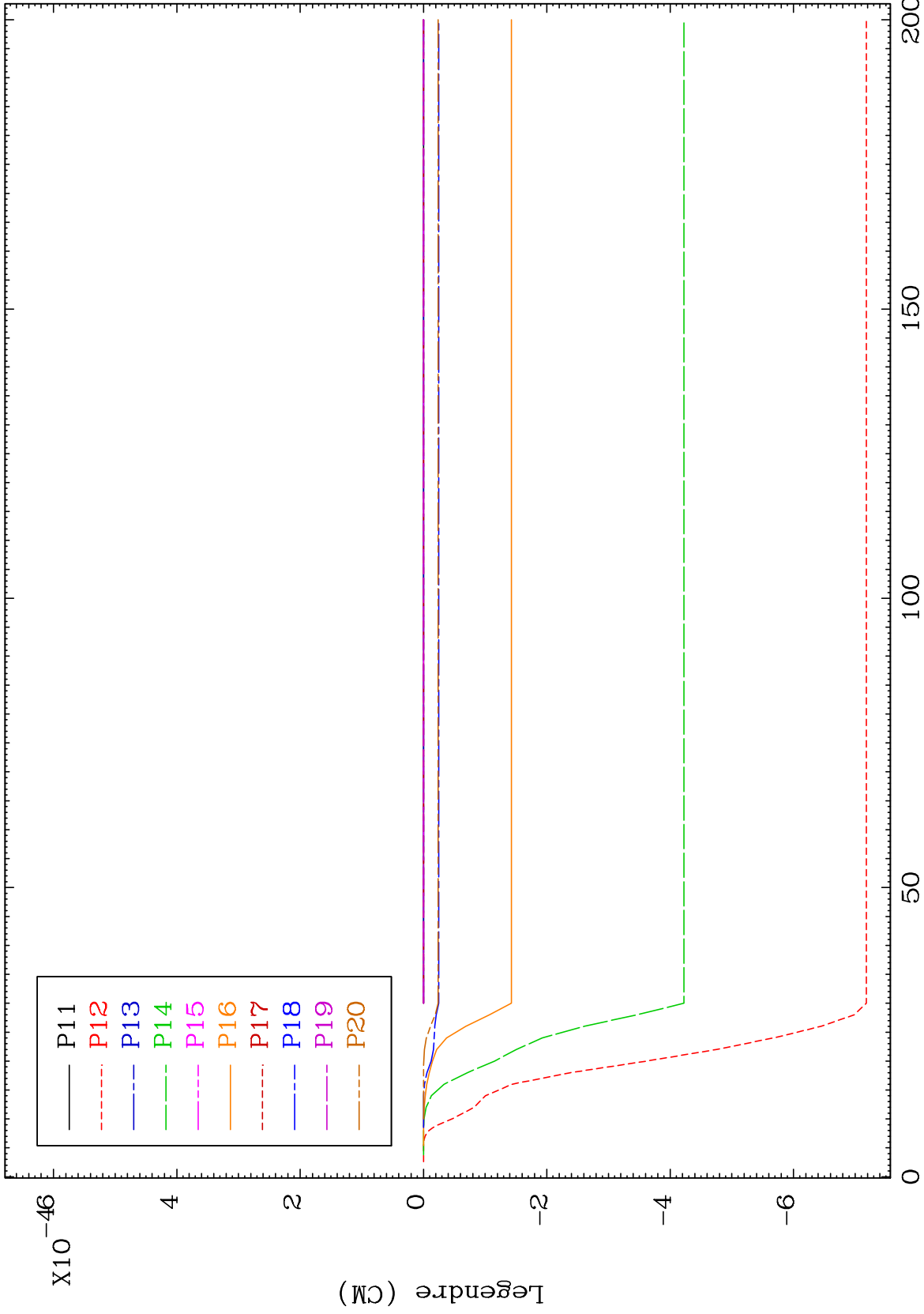
77-Ir-180



MAT 7692

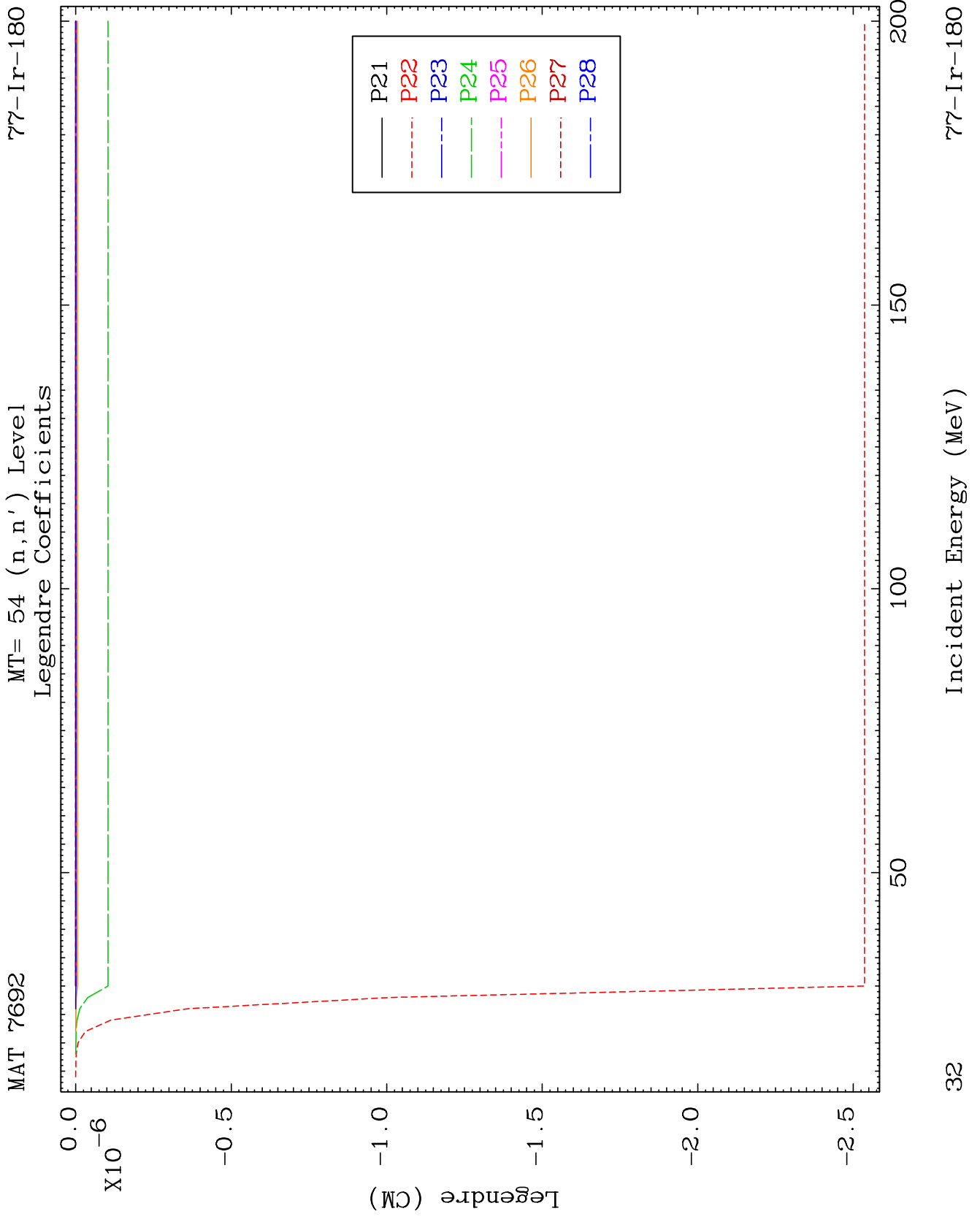
MT= 54 (n,n') Level
Legendre Coefficients

77-Ir-180



31

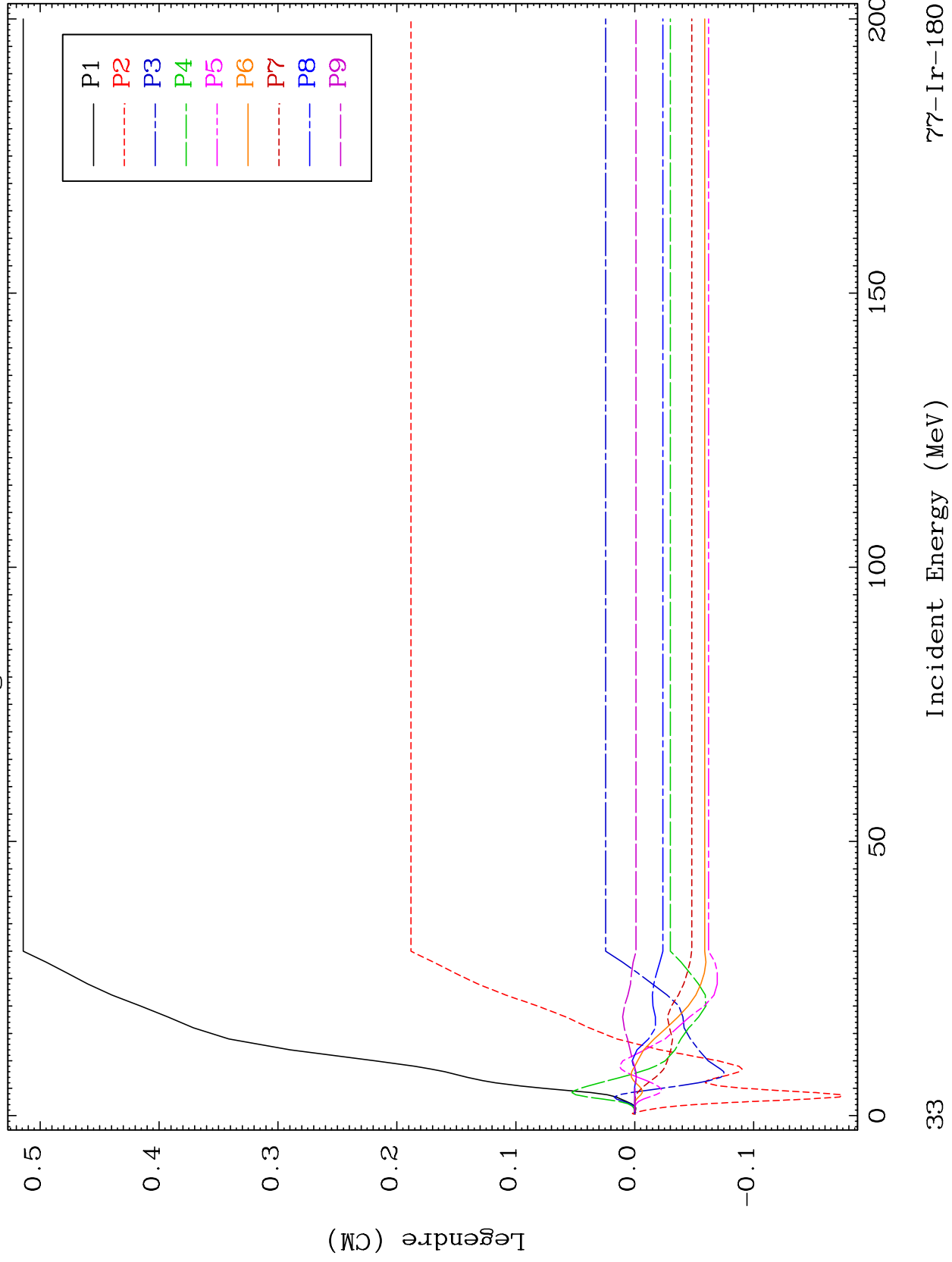
77-Ir-180



MAT 7692

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

77-Ir-180



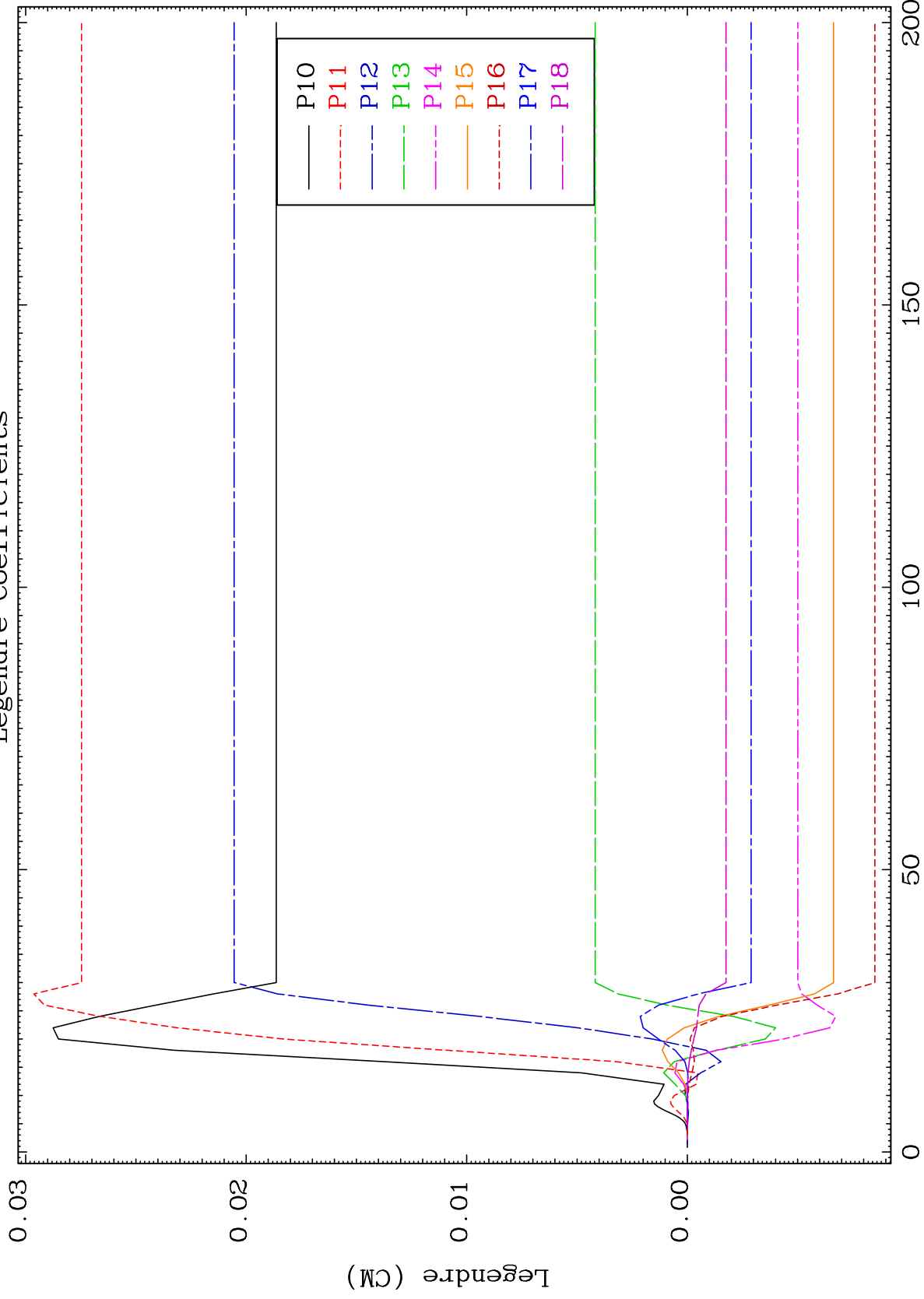
33

77-Ir-180

MAT 7692

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

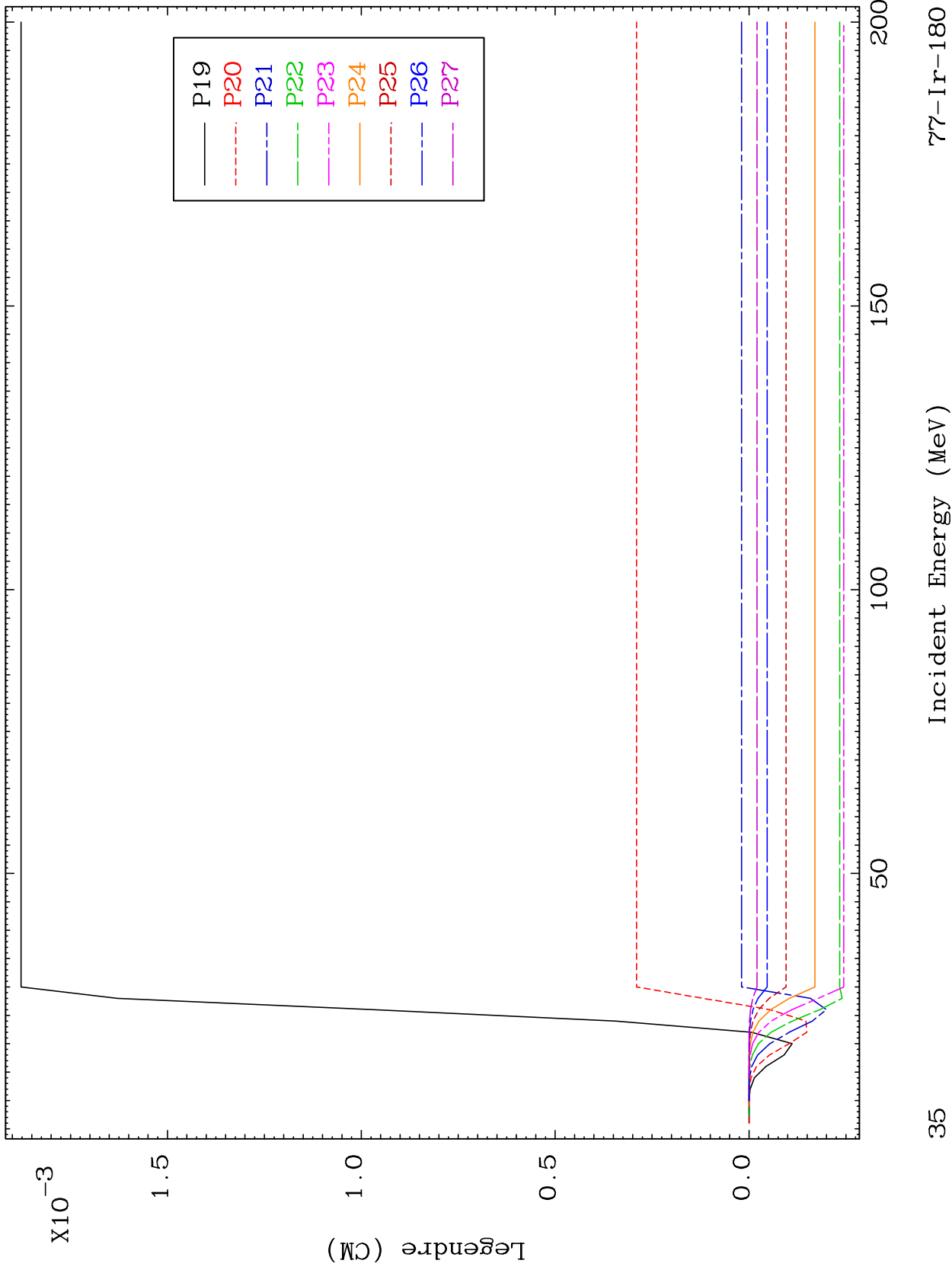
77-Ir-180

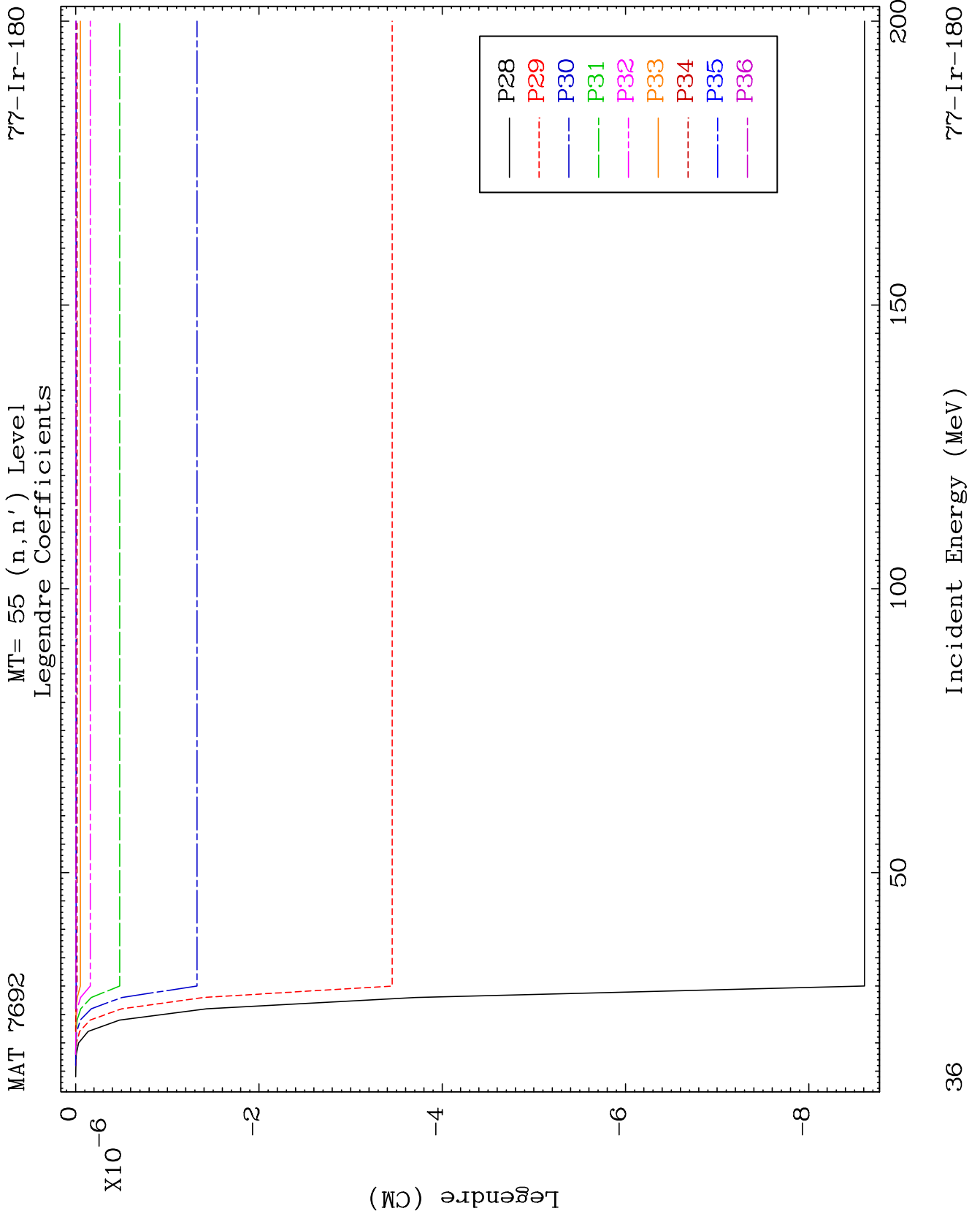


34

Incident Energy (MeV)

77-Ir-180

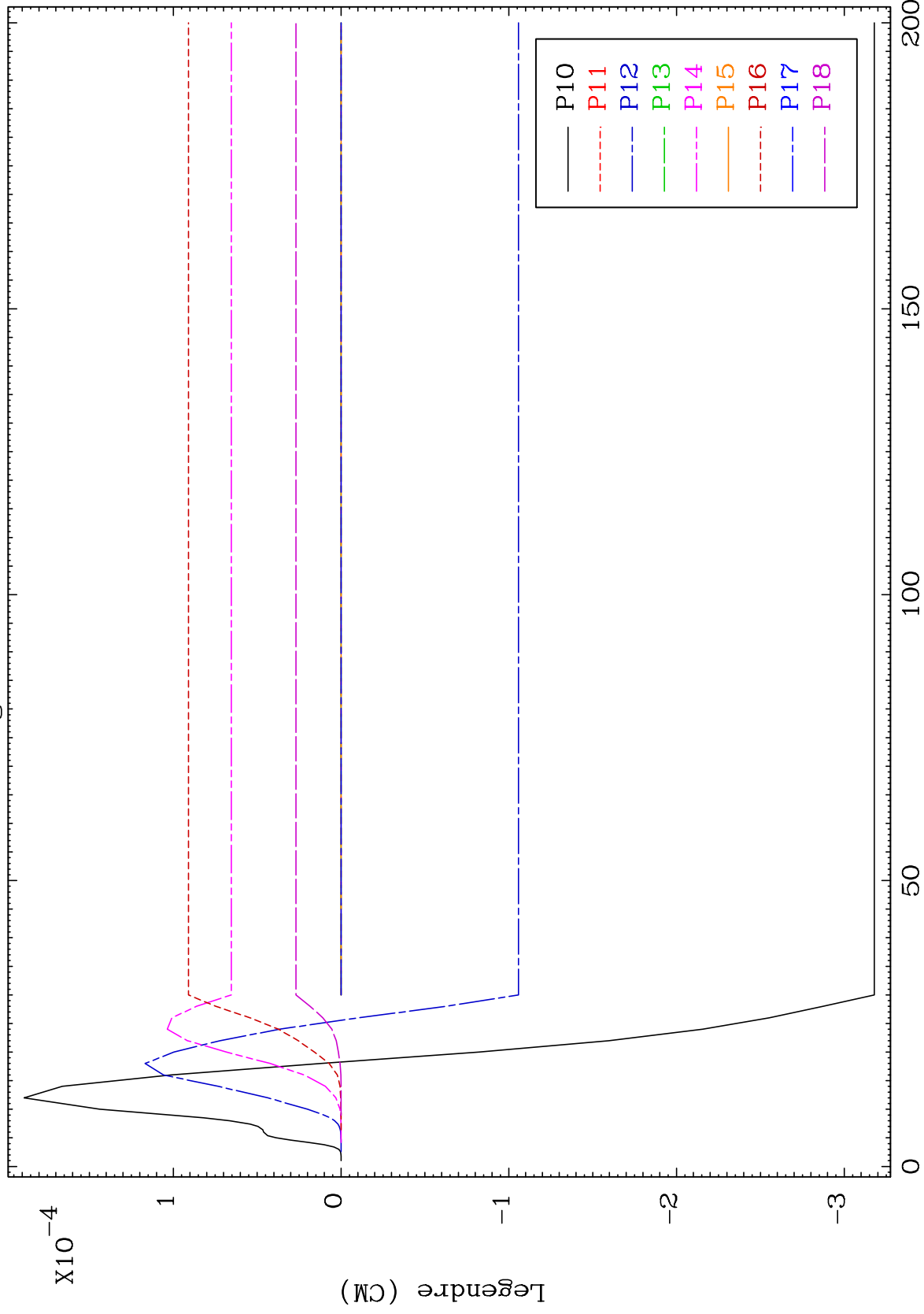




MAT 7692

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

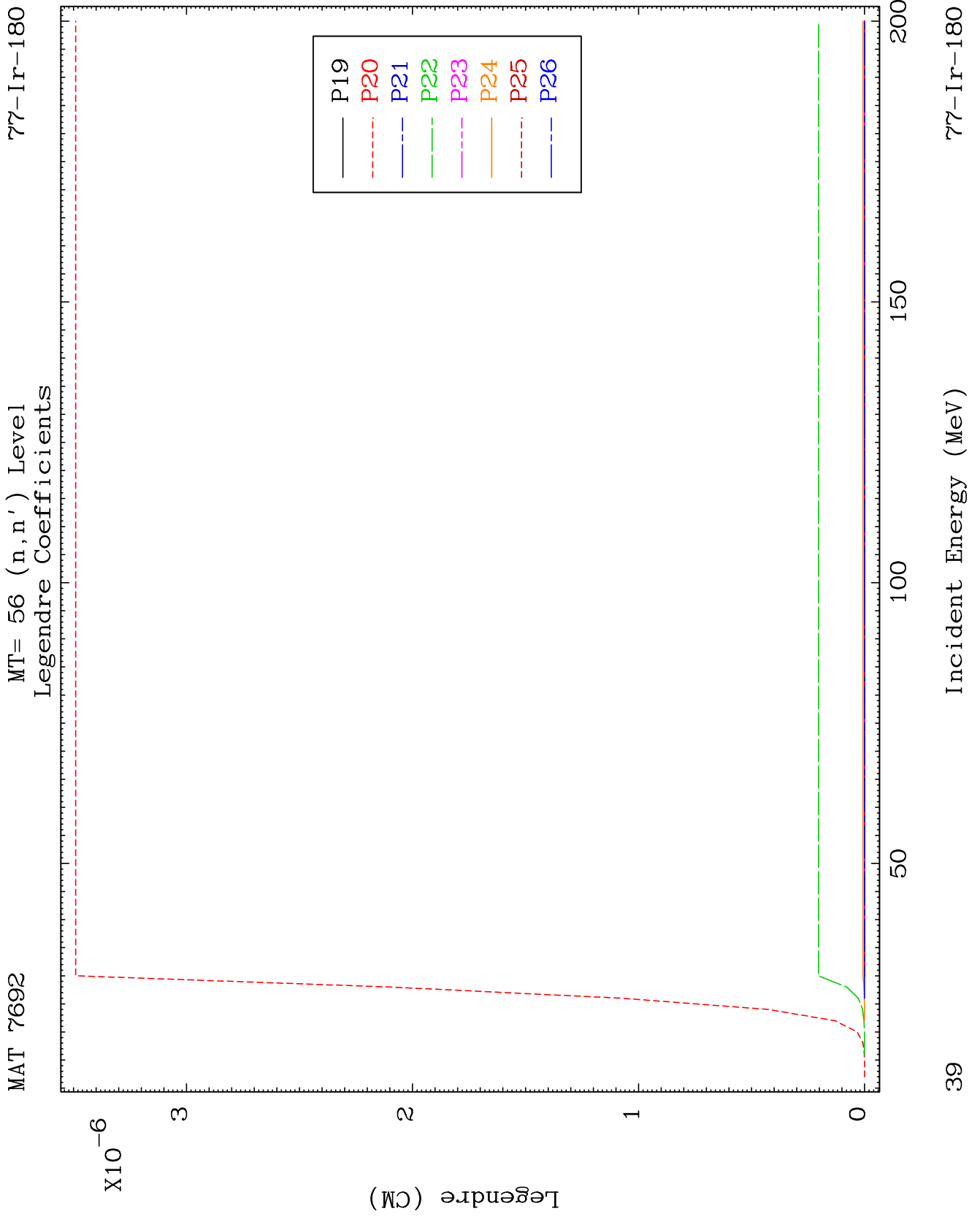
77-Ir-180



38

Incident Energy (MeV)

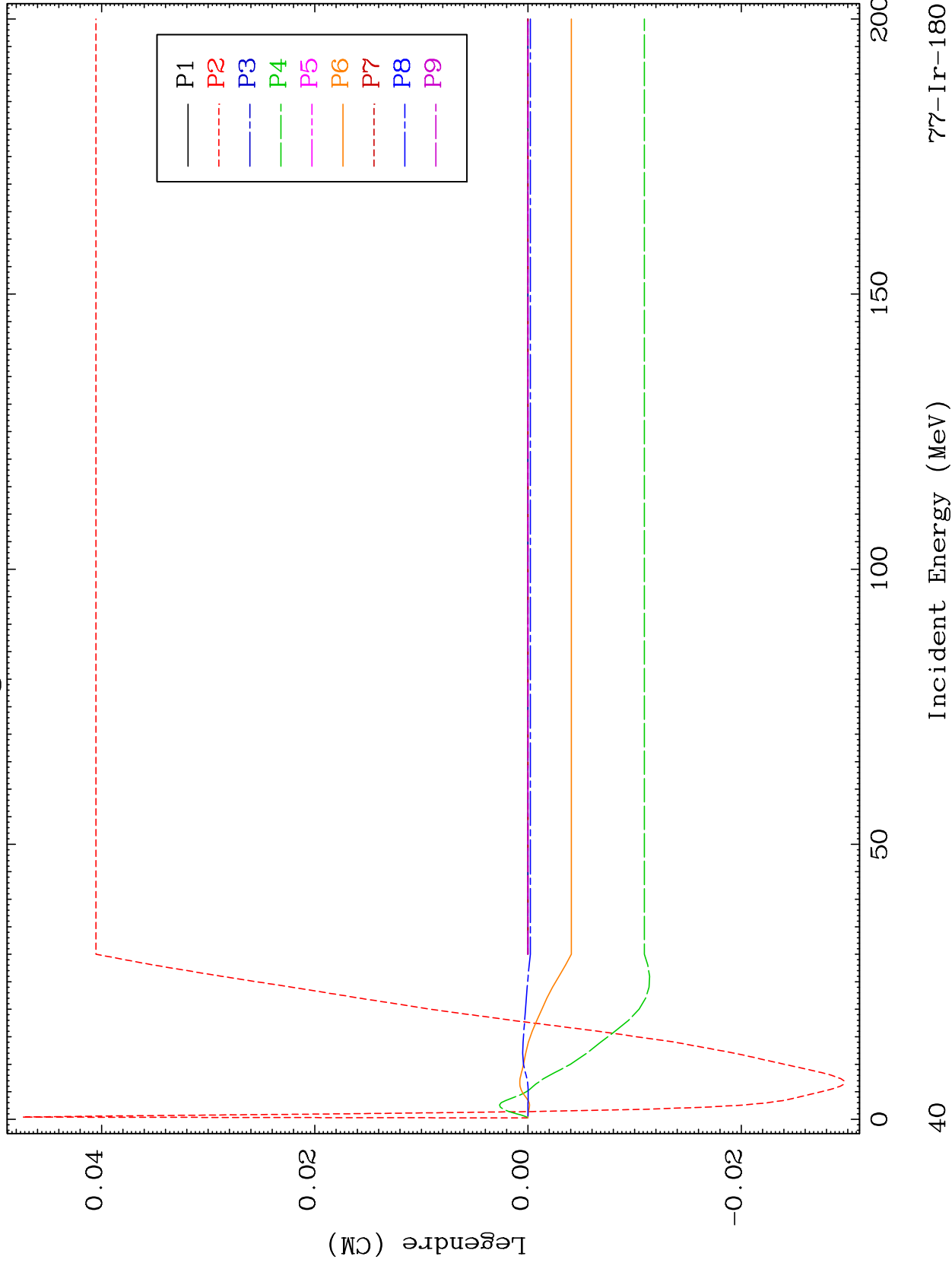
77-Ir-180



MAT 7692

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

77-Ir-180

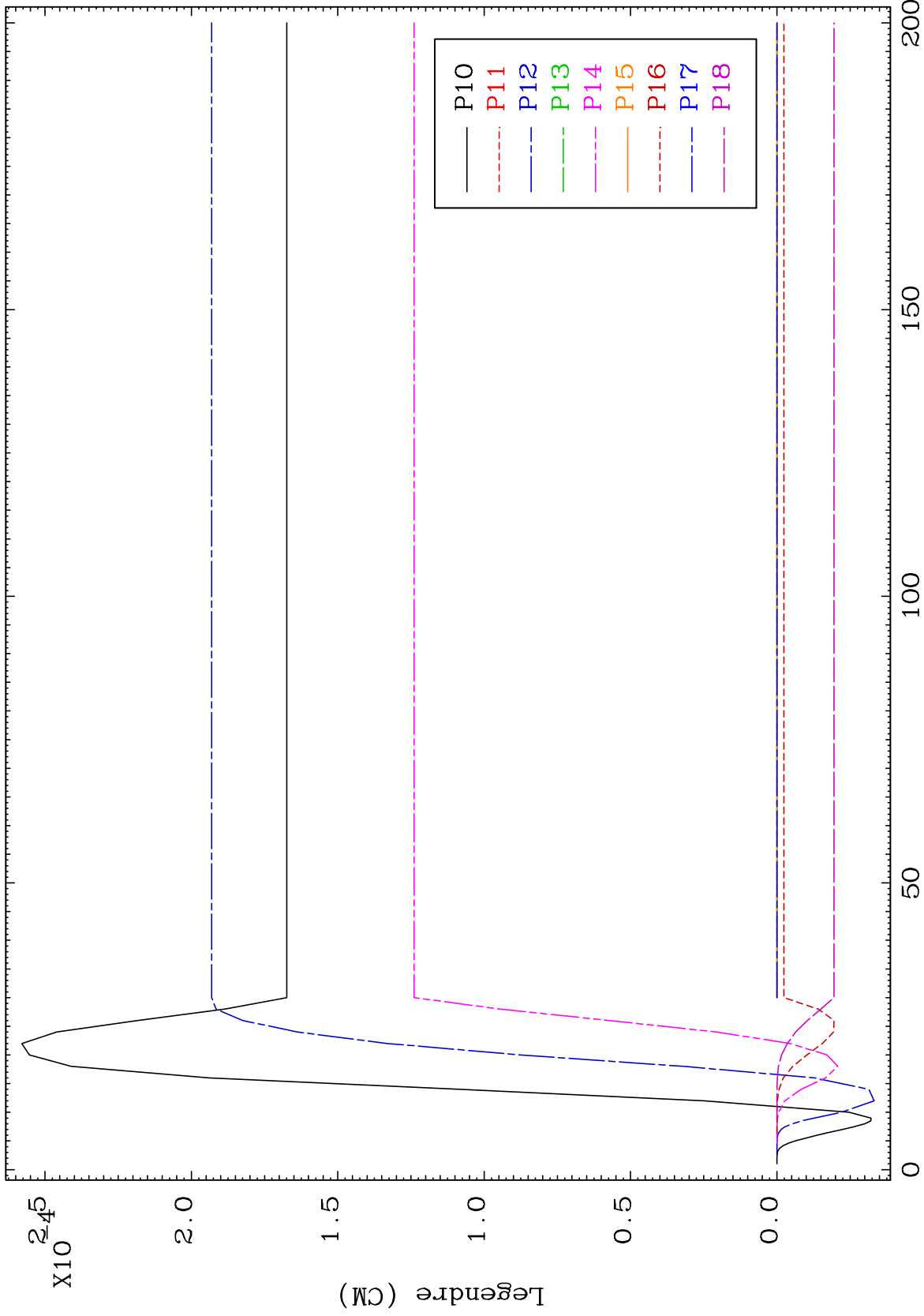


77-Ir-180

MAT 7692

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

77-Ir-180



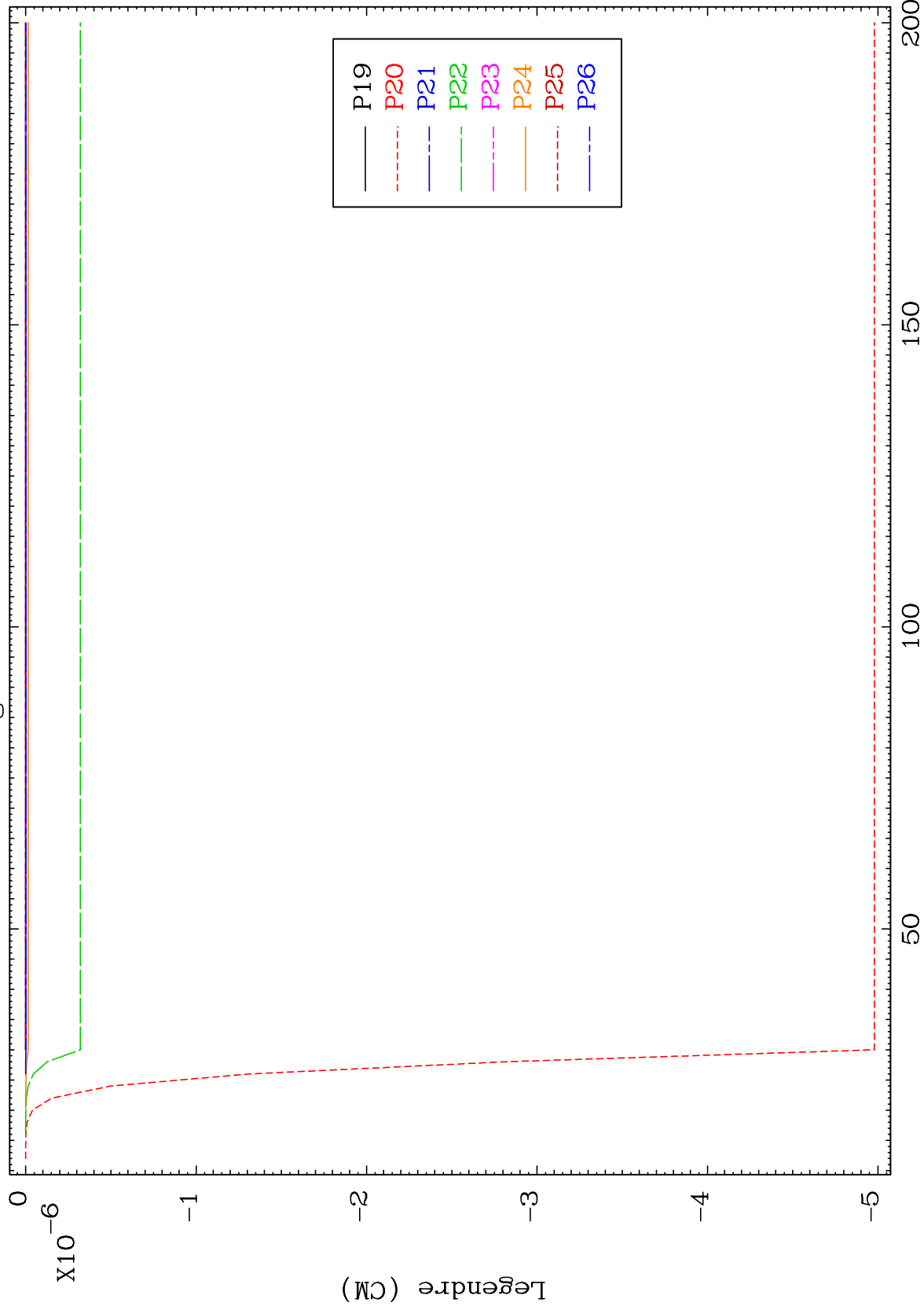
41

77-Ir-180

MAT 7692

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

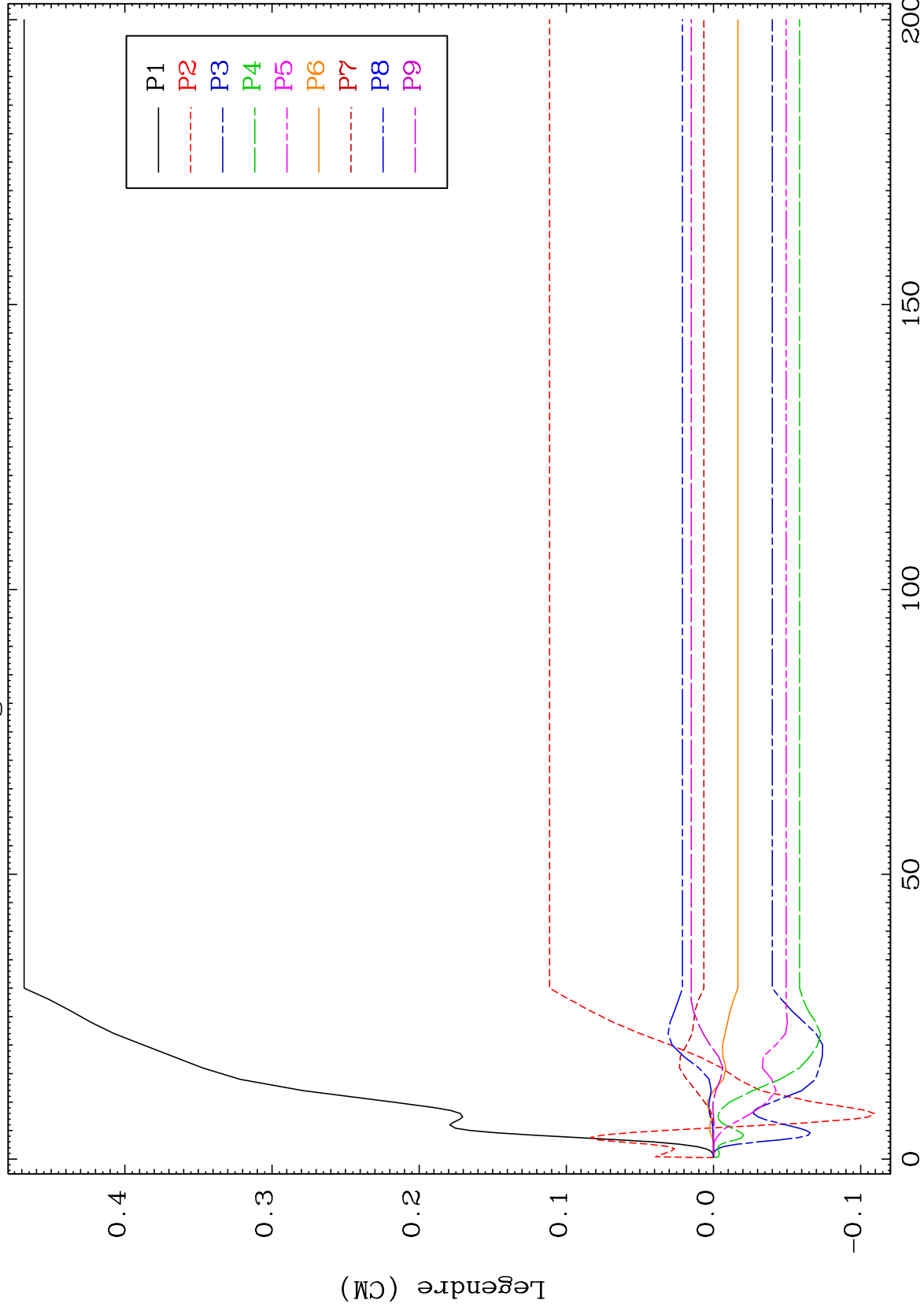
77-Ir-180



MAT 7692

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

77-Ir-180



77-Ir-180

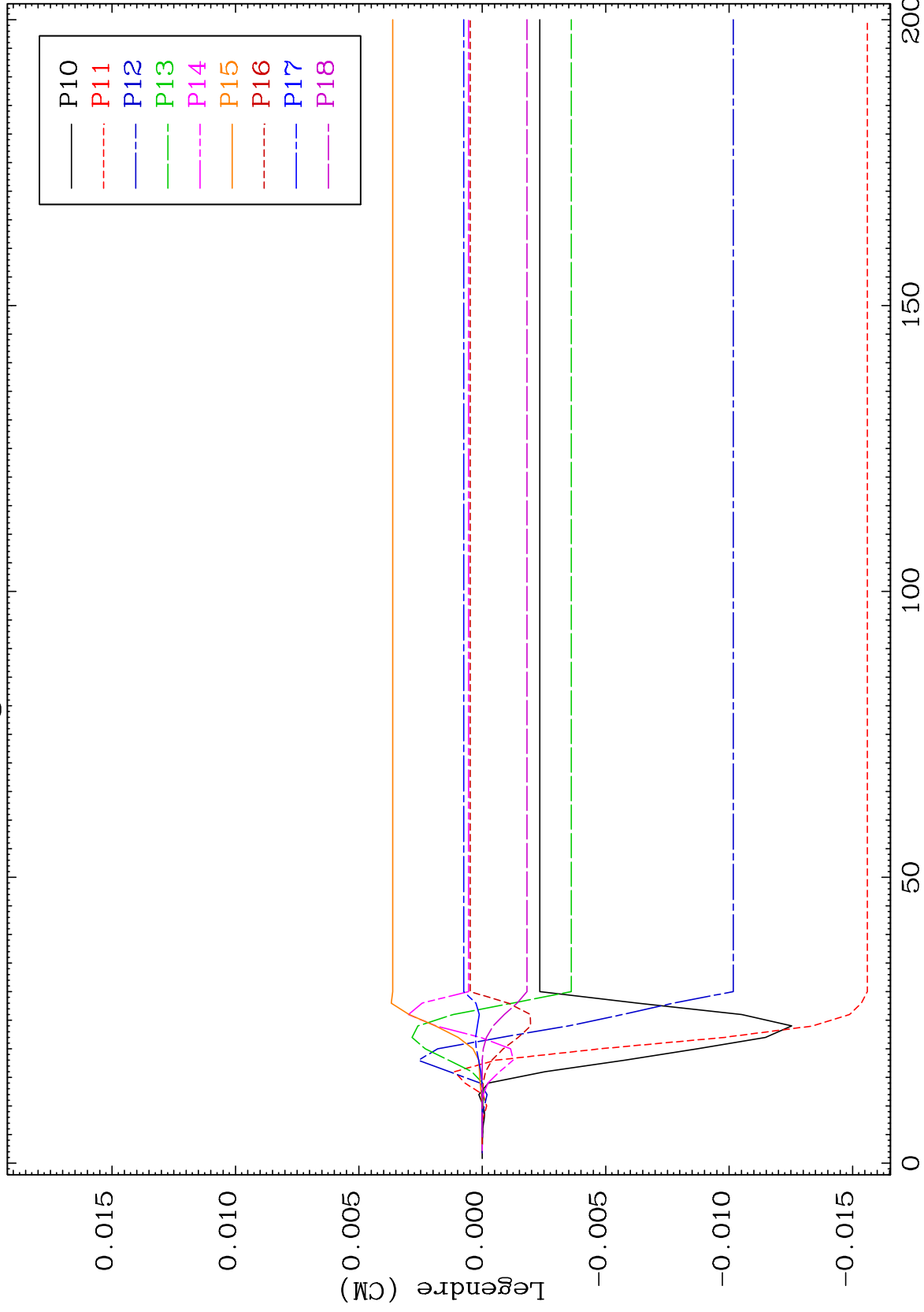
Incident Energy (MeV)

43

MAT 7692

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

77-Ir-180



44

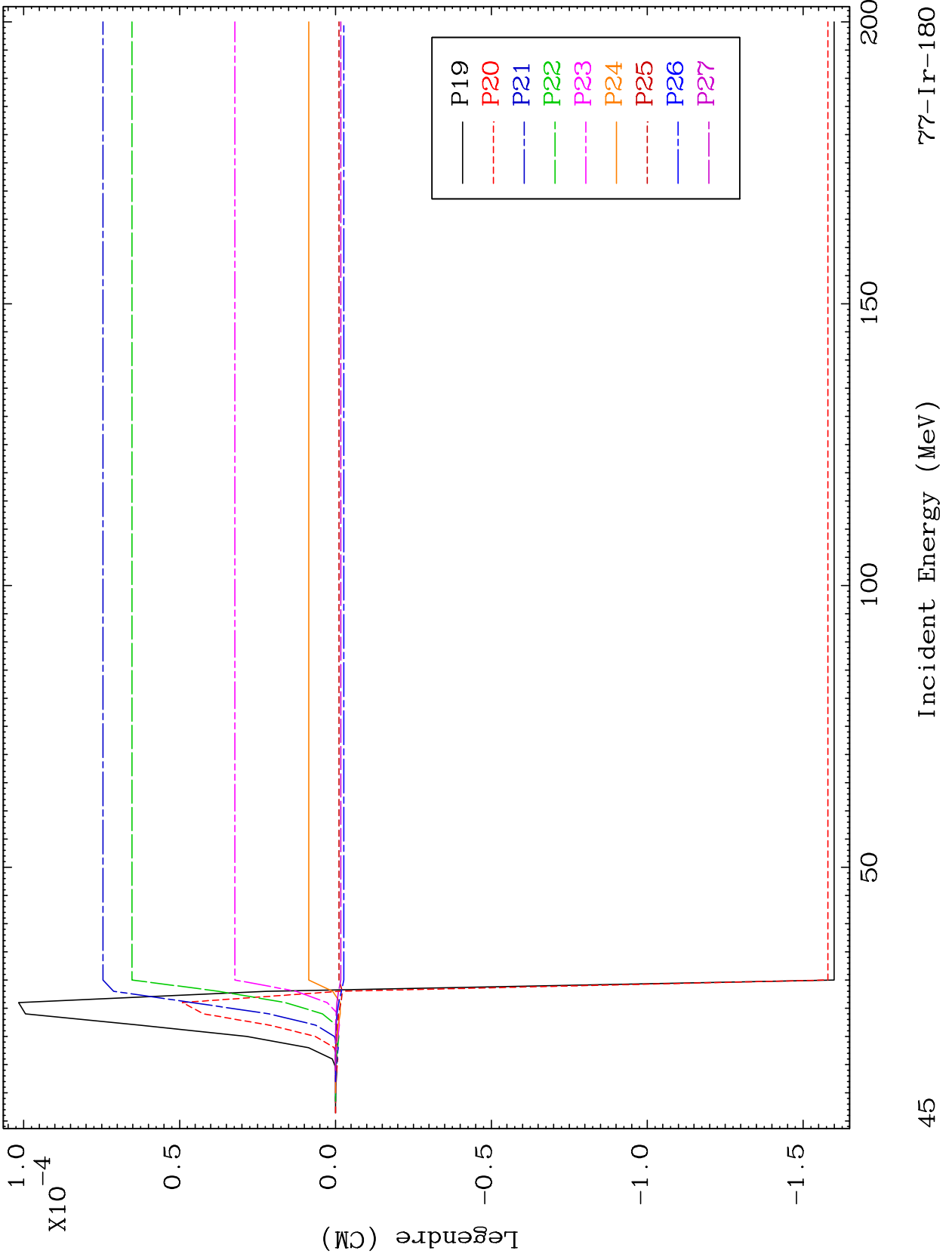
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

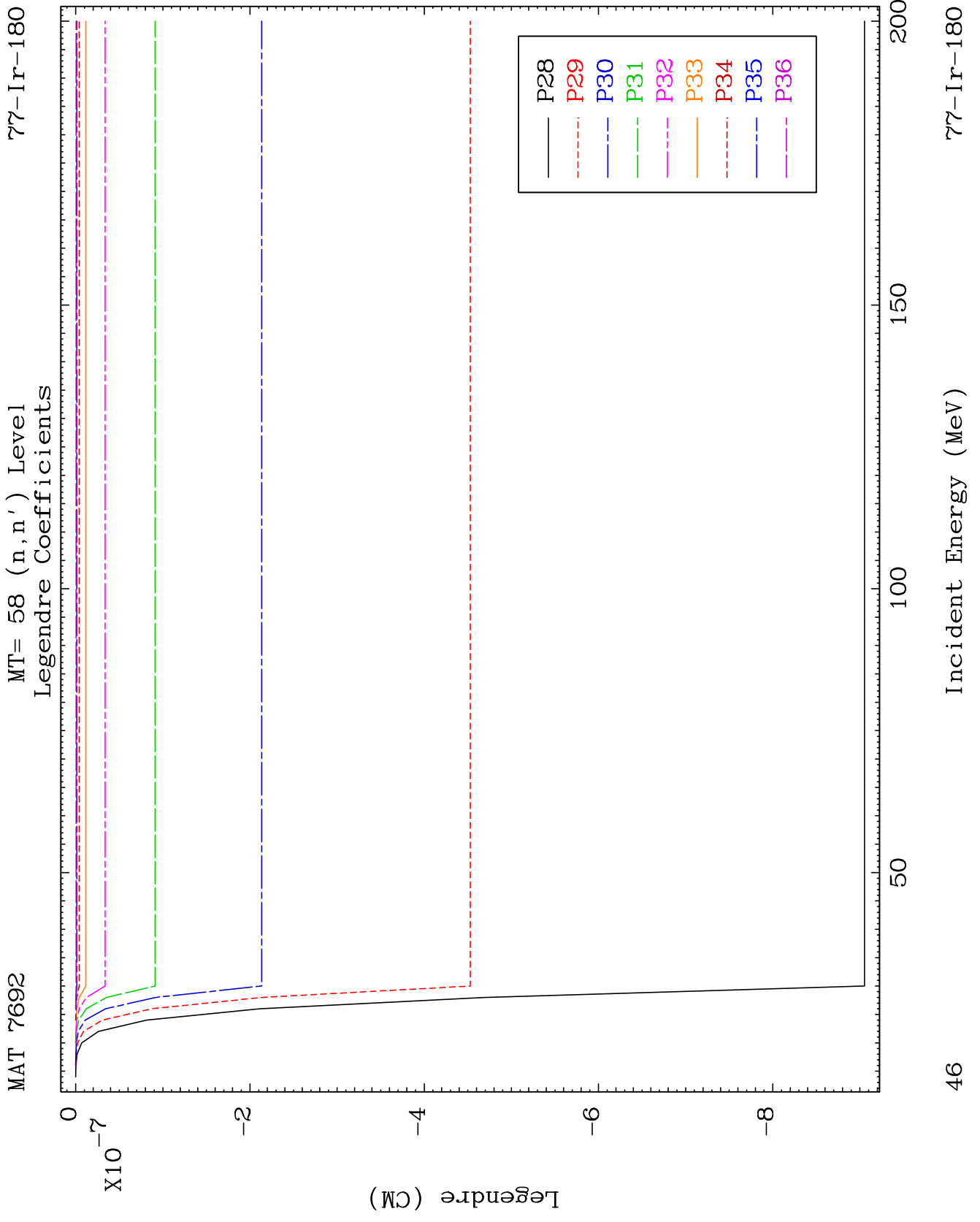
77-Ir-180



45

Incident Energy (MeV)

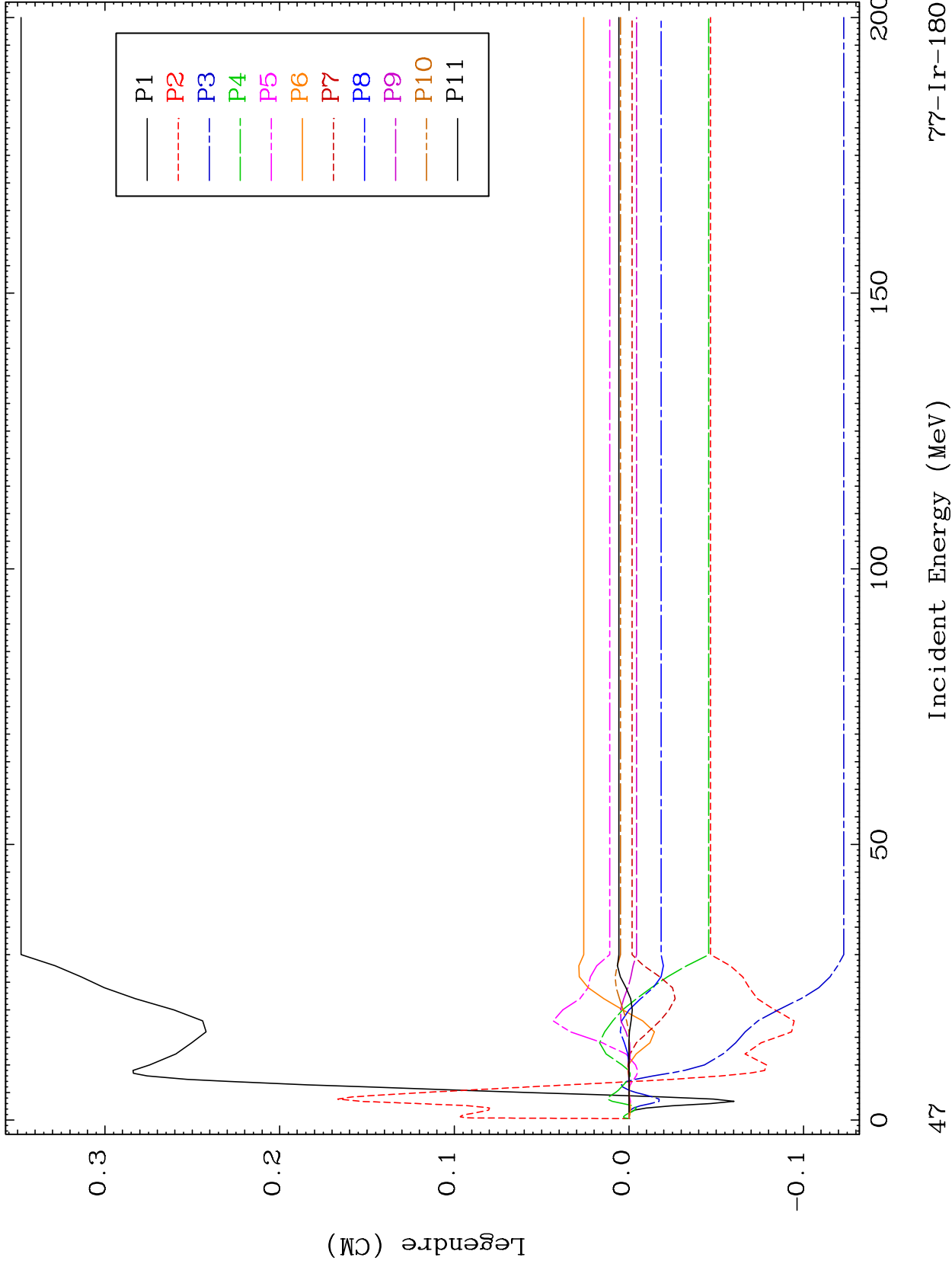
77-Ir-180



MAT 7692

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

77-Ir-180



77-Ir-180

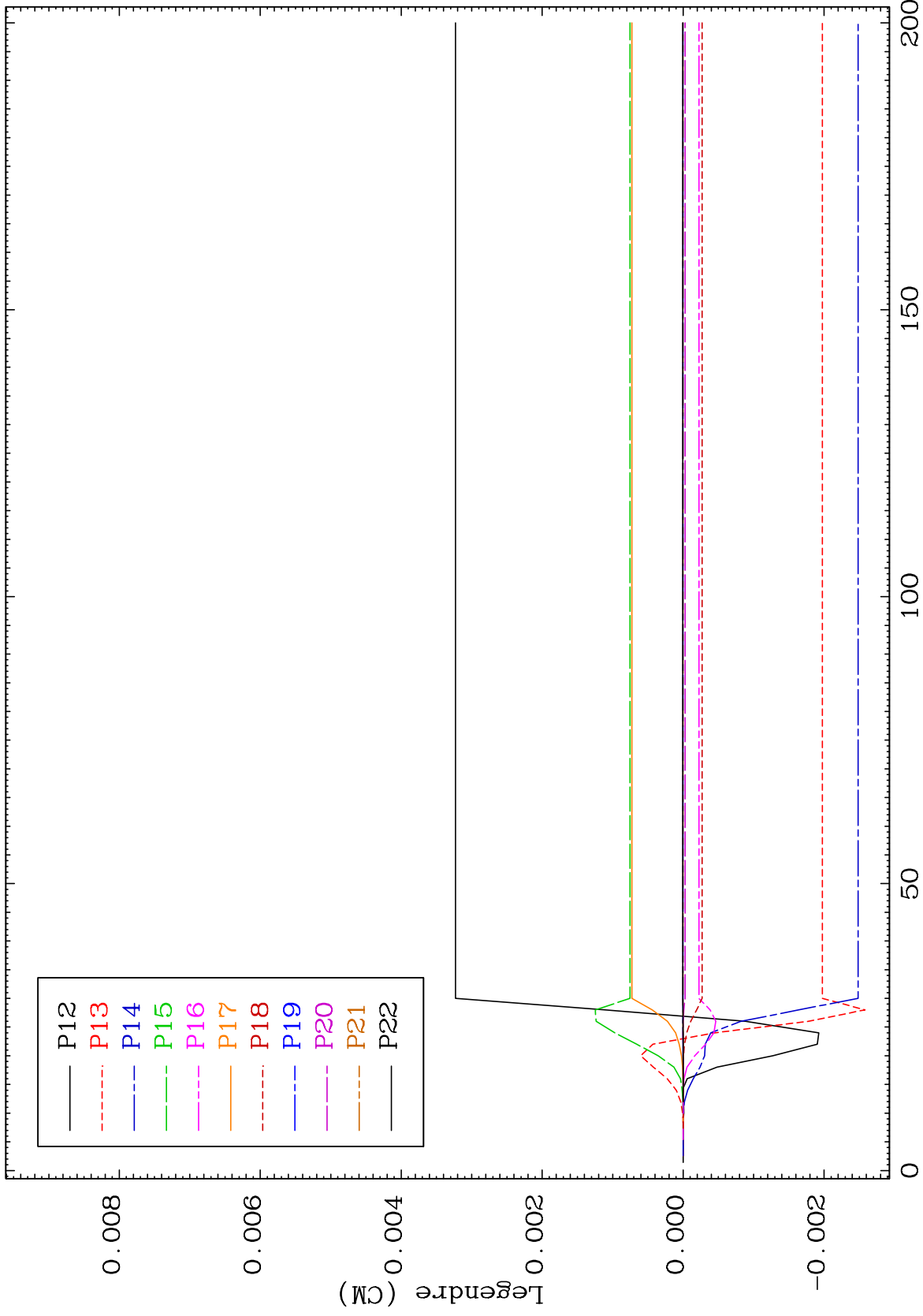
Incident Energy (MeV)

47

MAT 7692

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

77-Ir-180



48

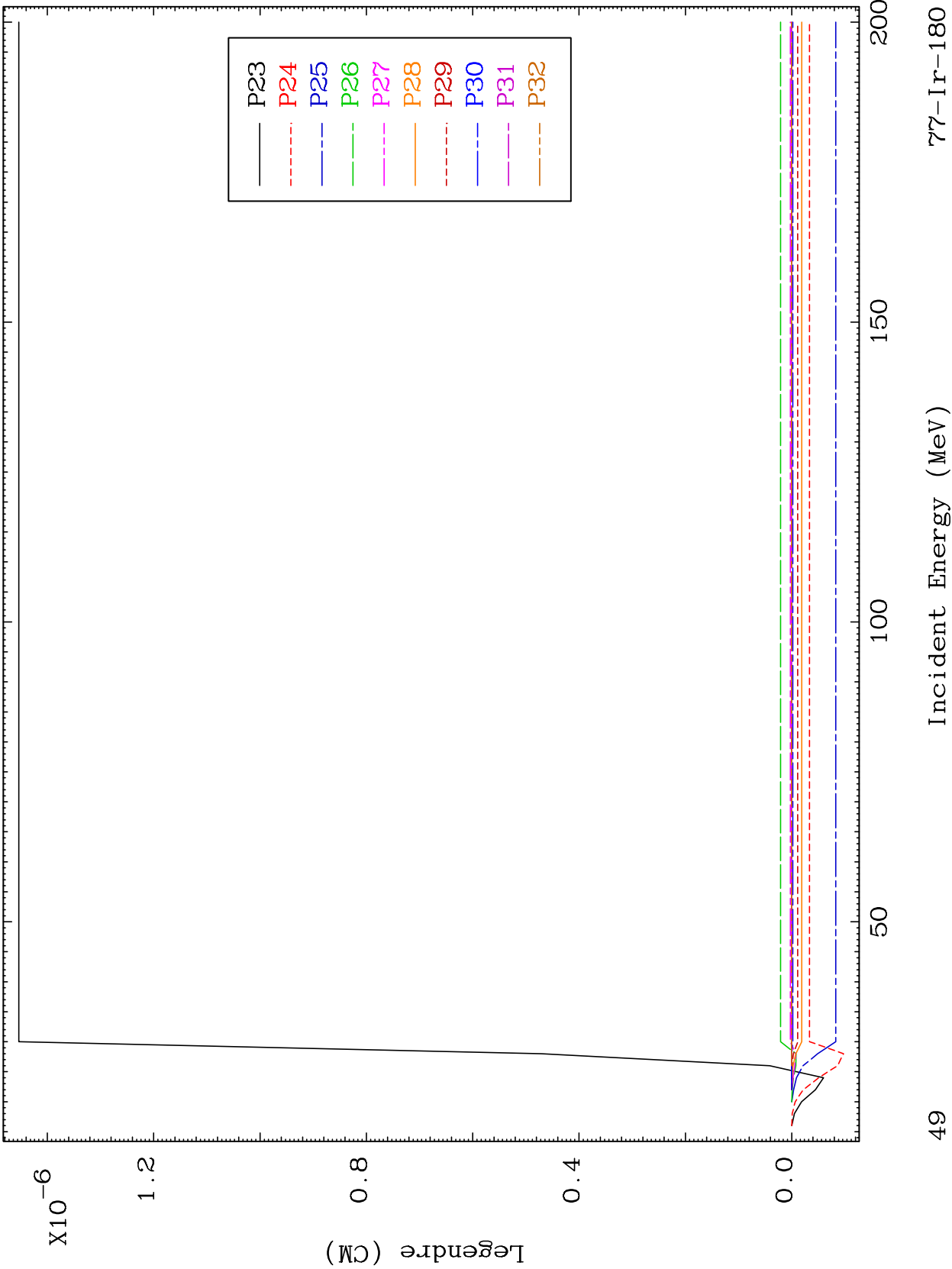
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



49

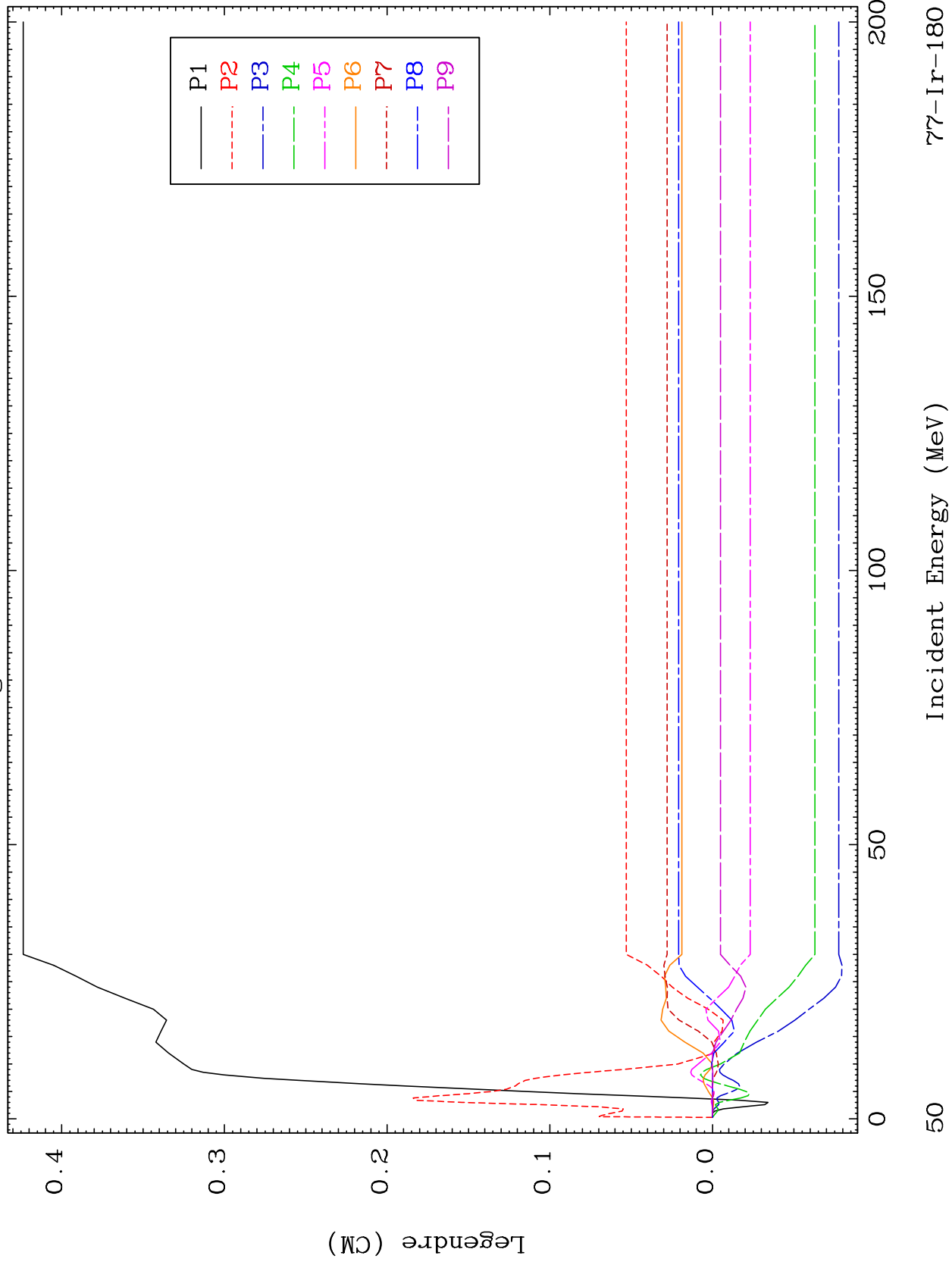
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

⁷⁷Ir-180

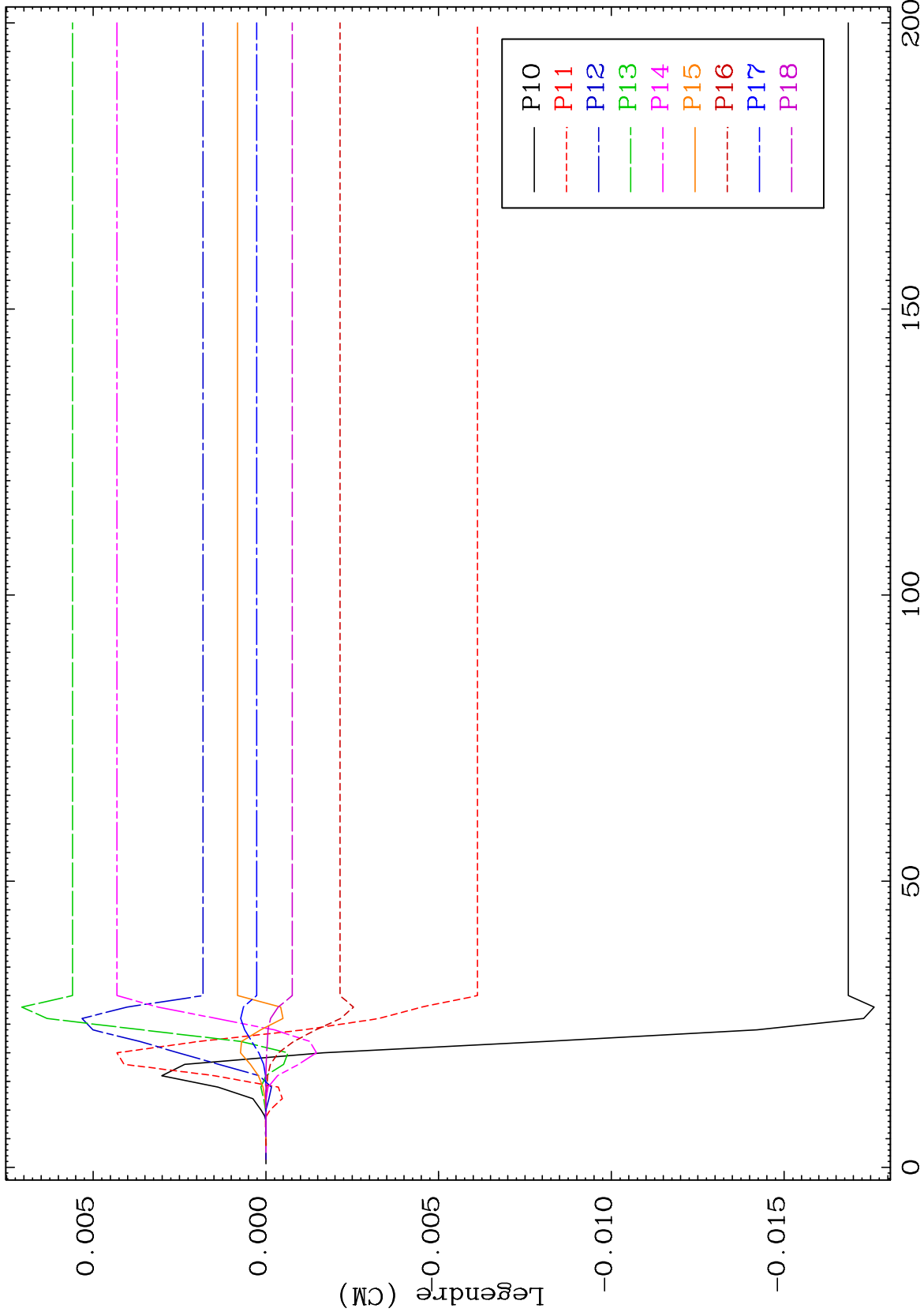


⁷⁷Ir-180

MAT 7692

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

77-Ir-180



51

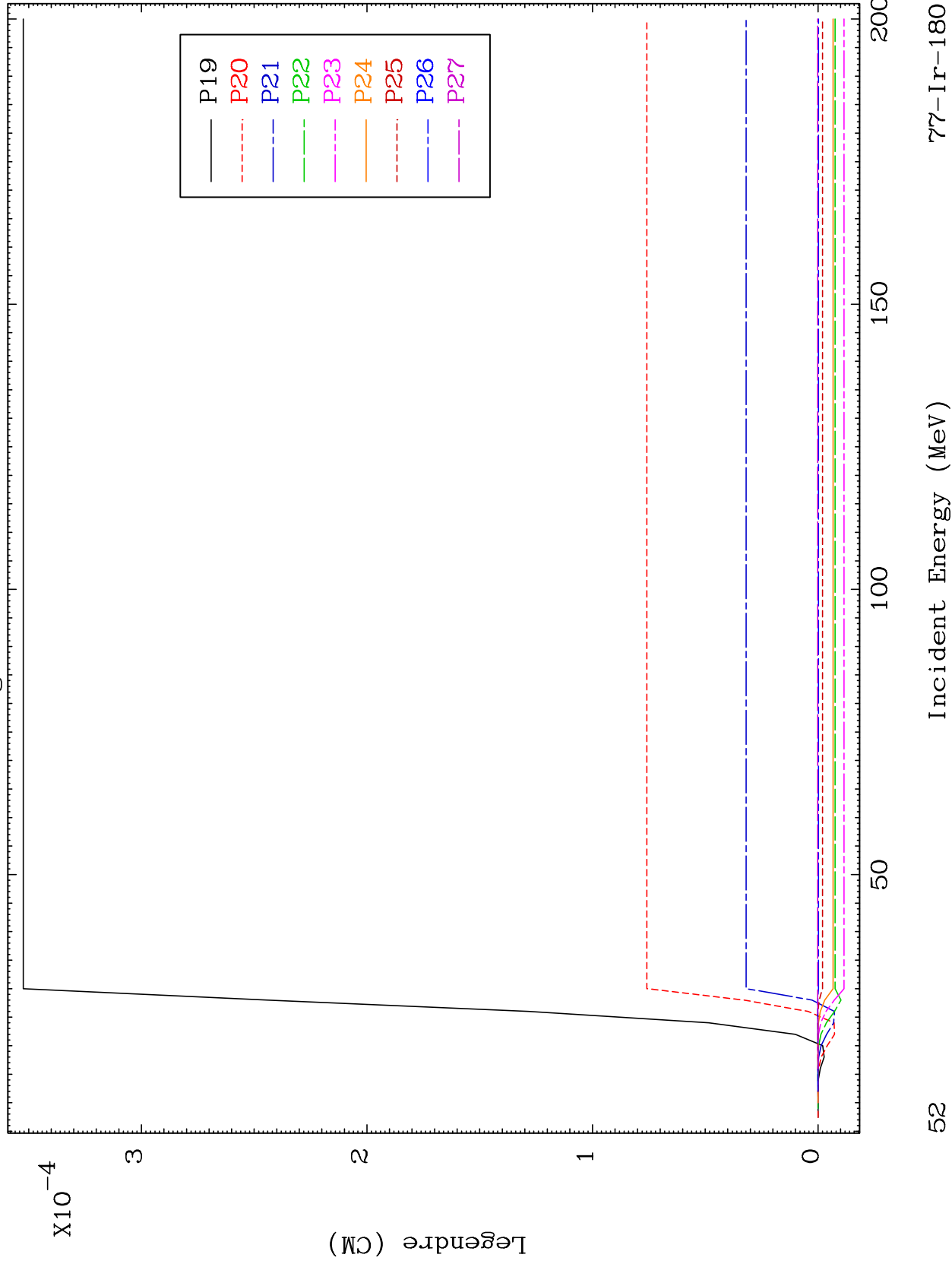
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



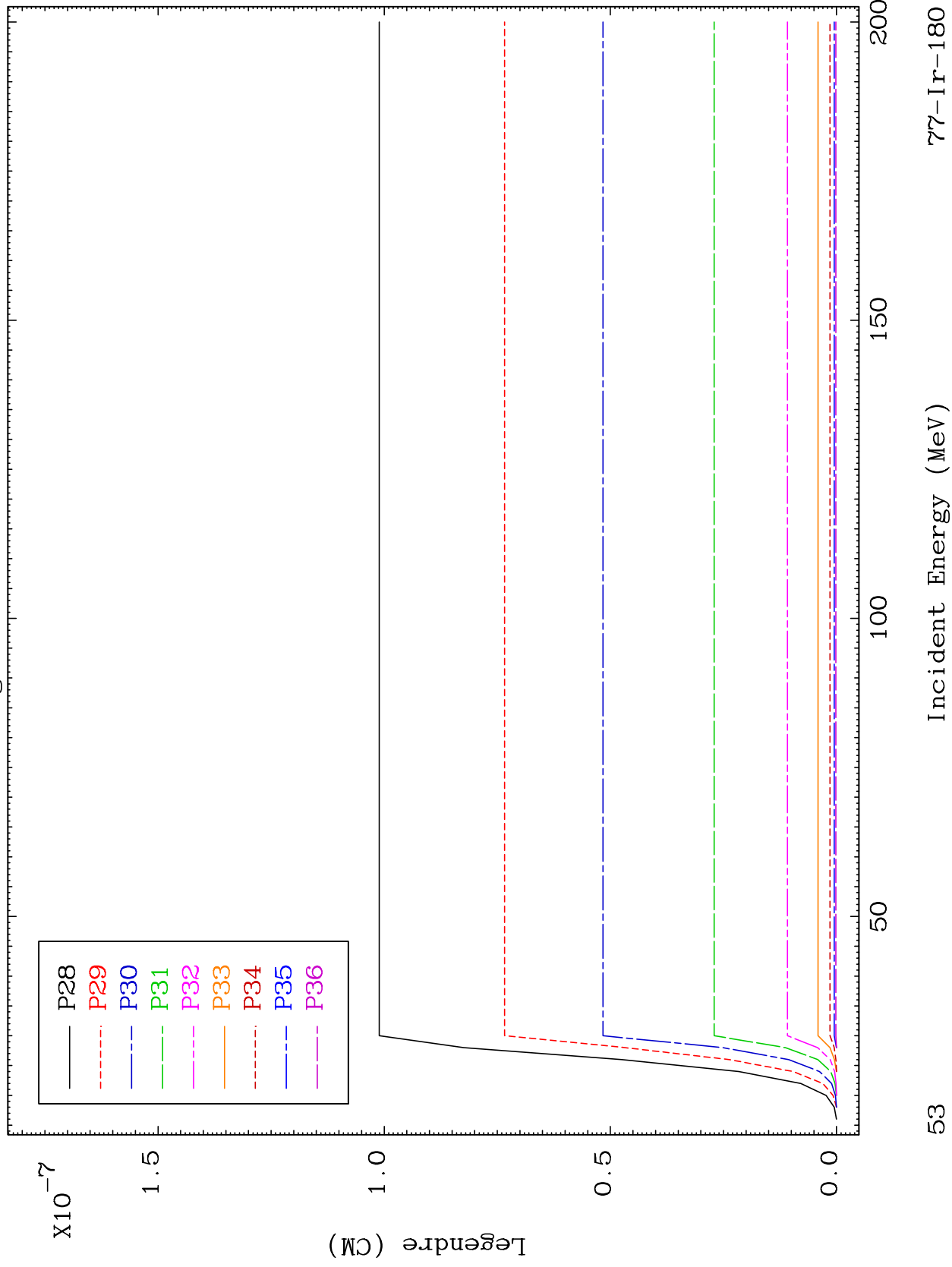
52

77-Ir-180

MAT 7692

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

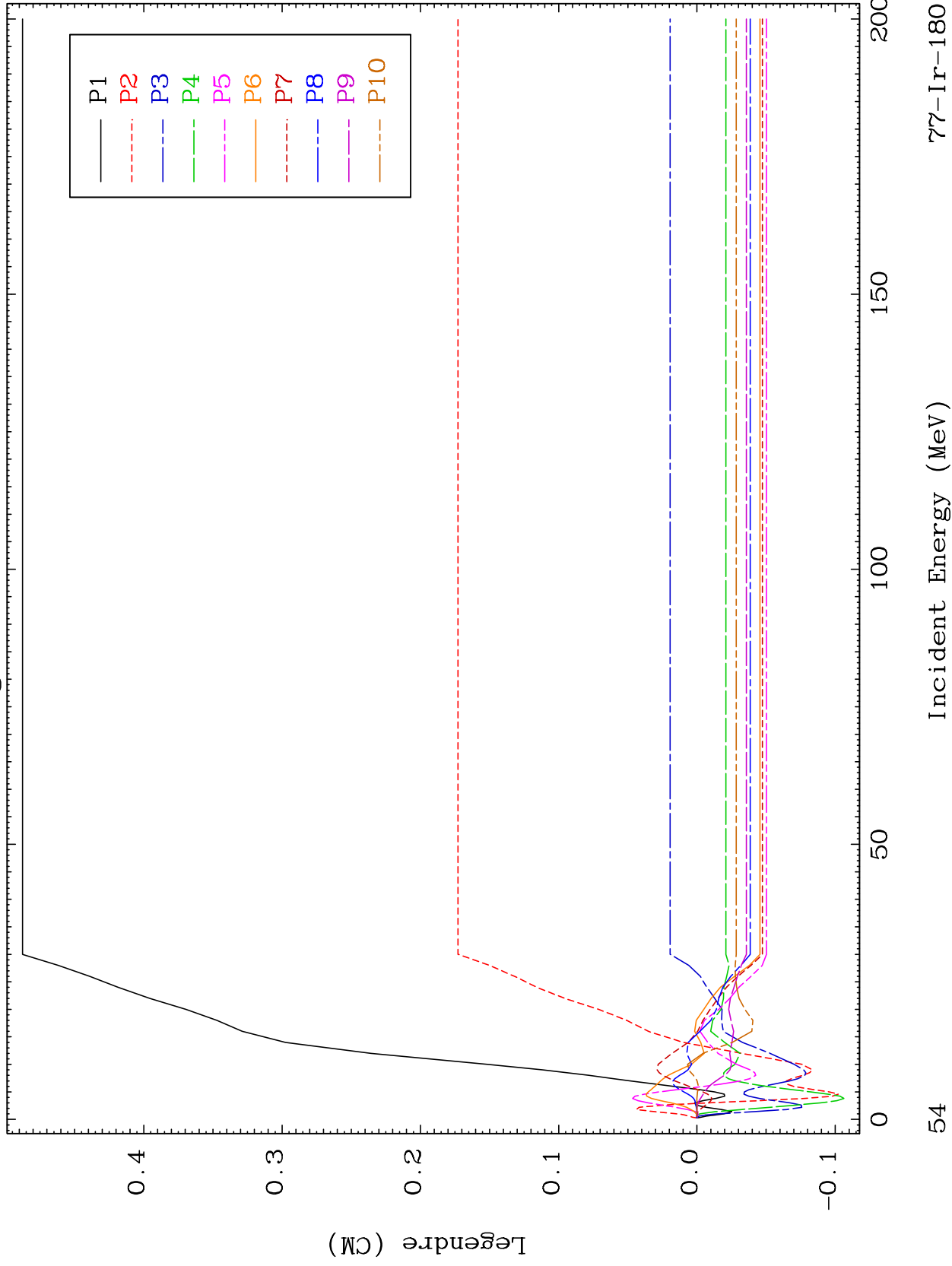
77-Ir-180



MAT 7692

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

⁷⁷Ir-180



⁷⁷Ir-180

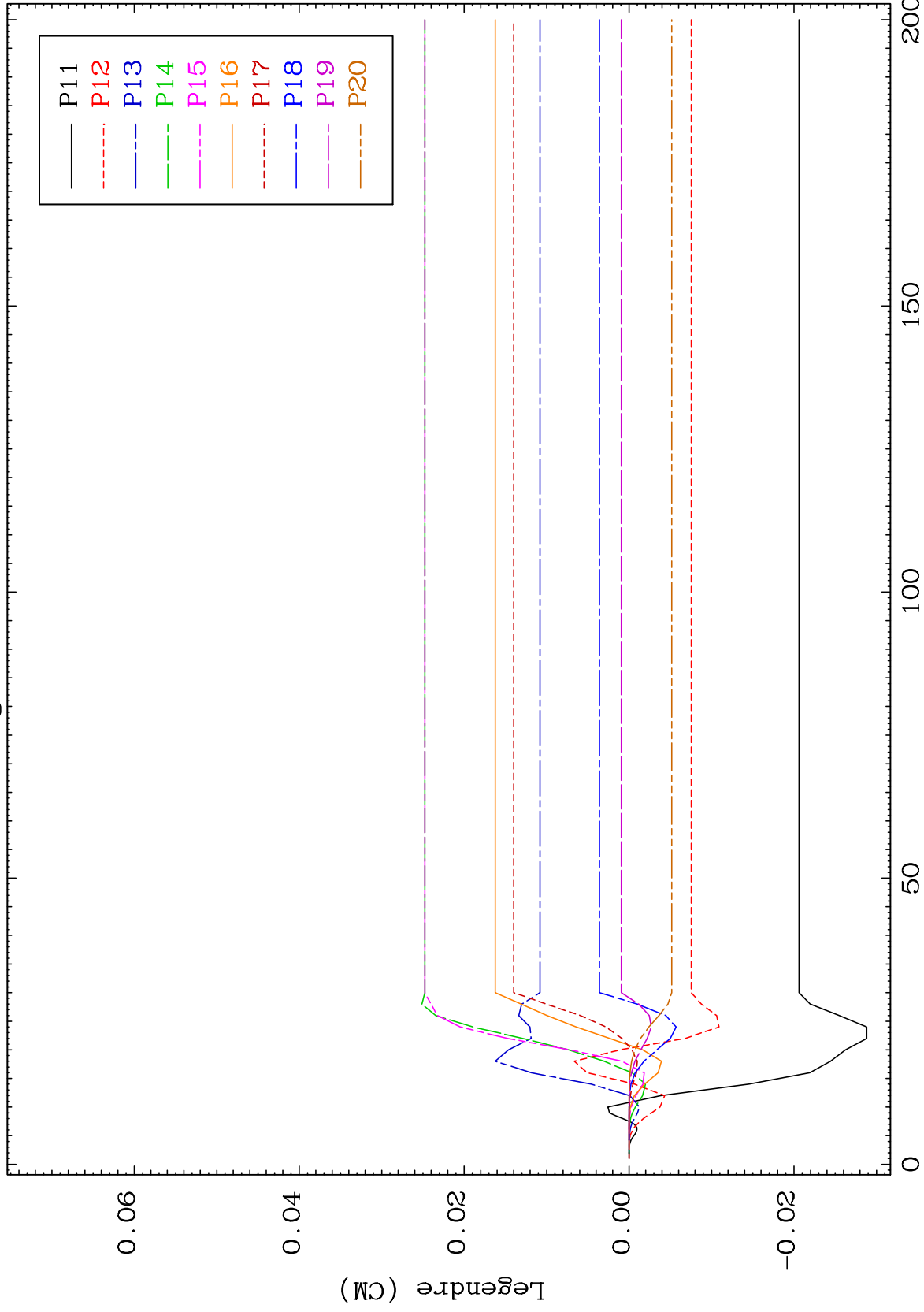
Incident Energy (MeV)

54

MAT 7692

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

77-Ir-180



55

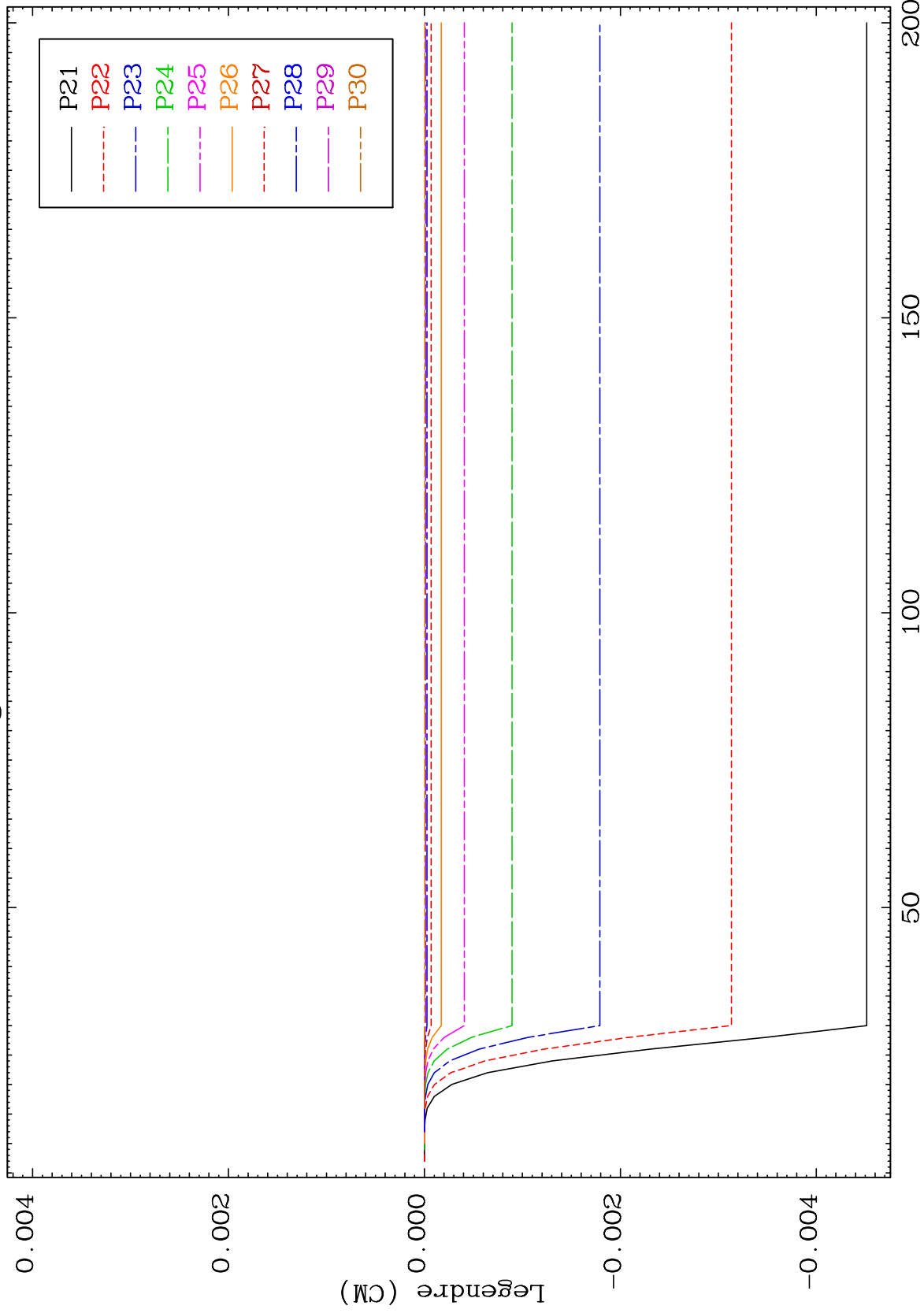
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

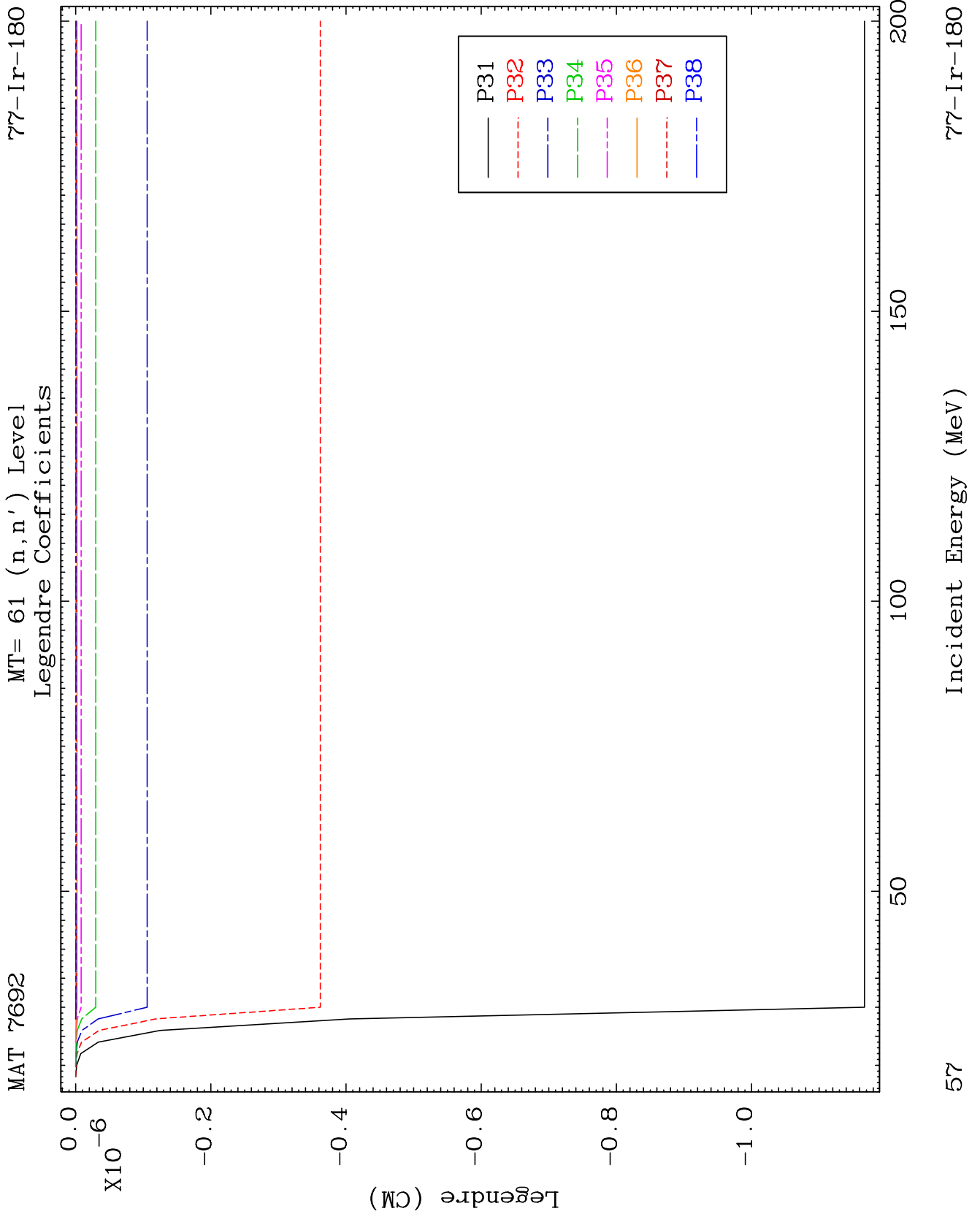
77-Ir-180

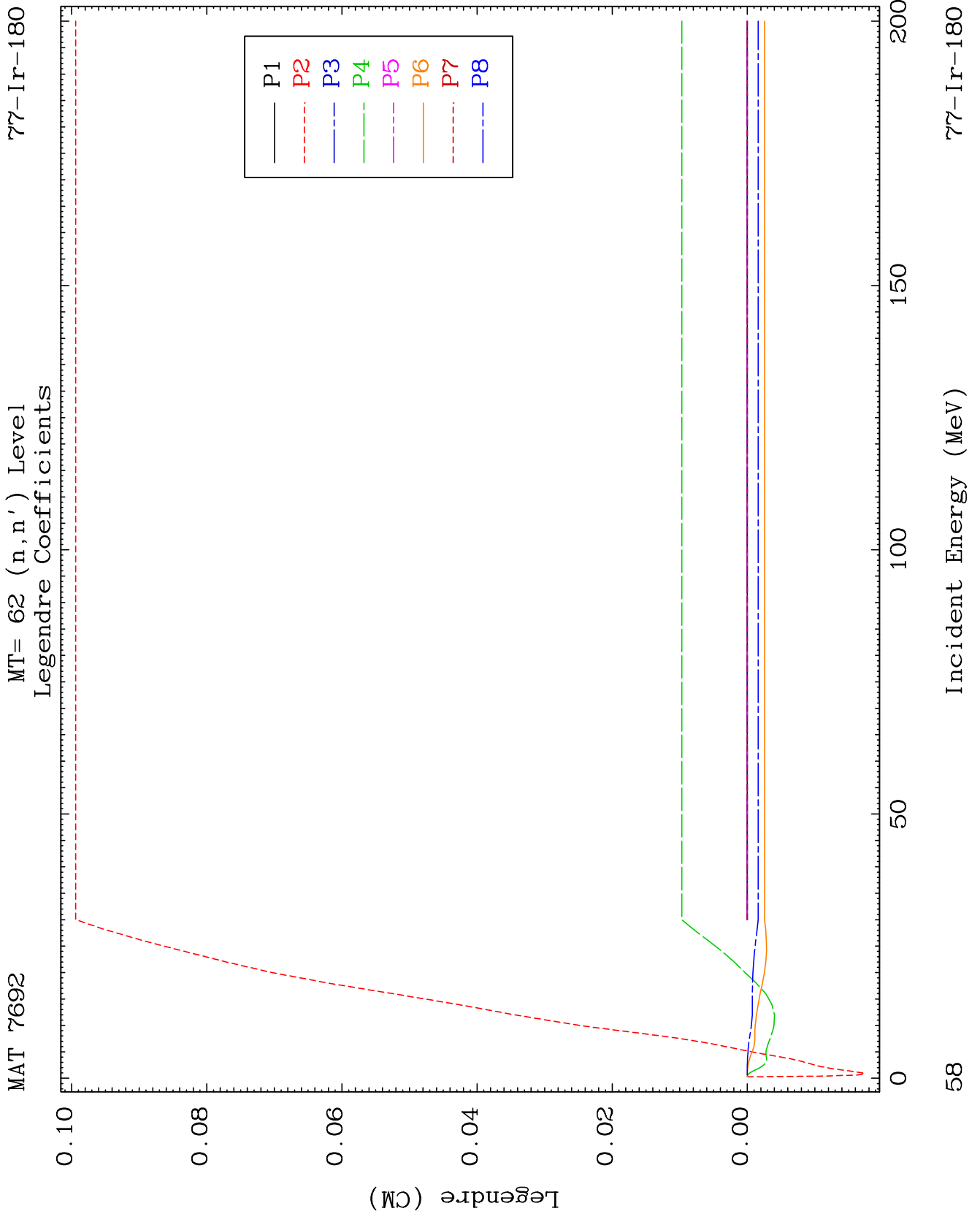


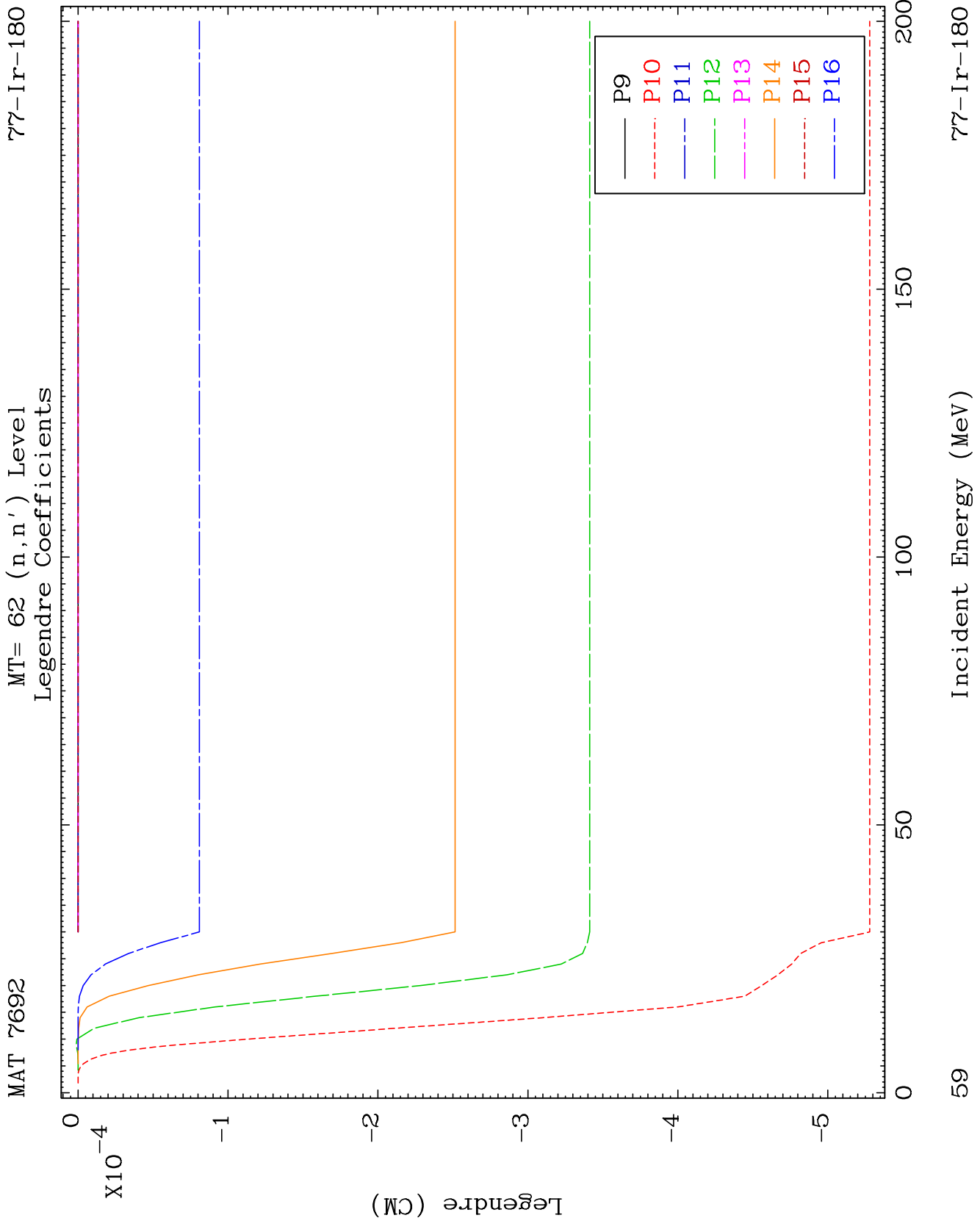
56

Incident Energy (MeV)

77-Ir-180



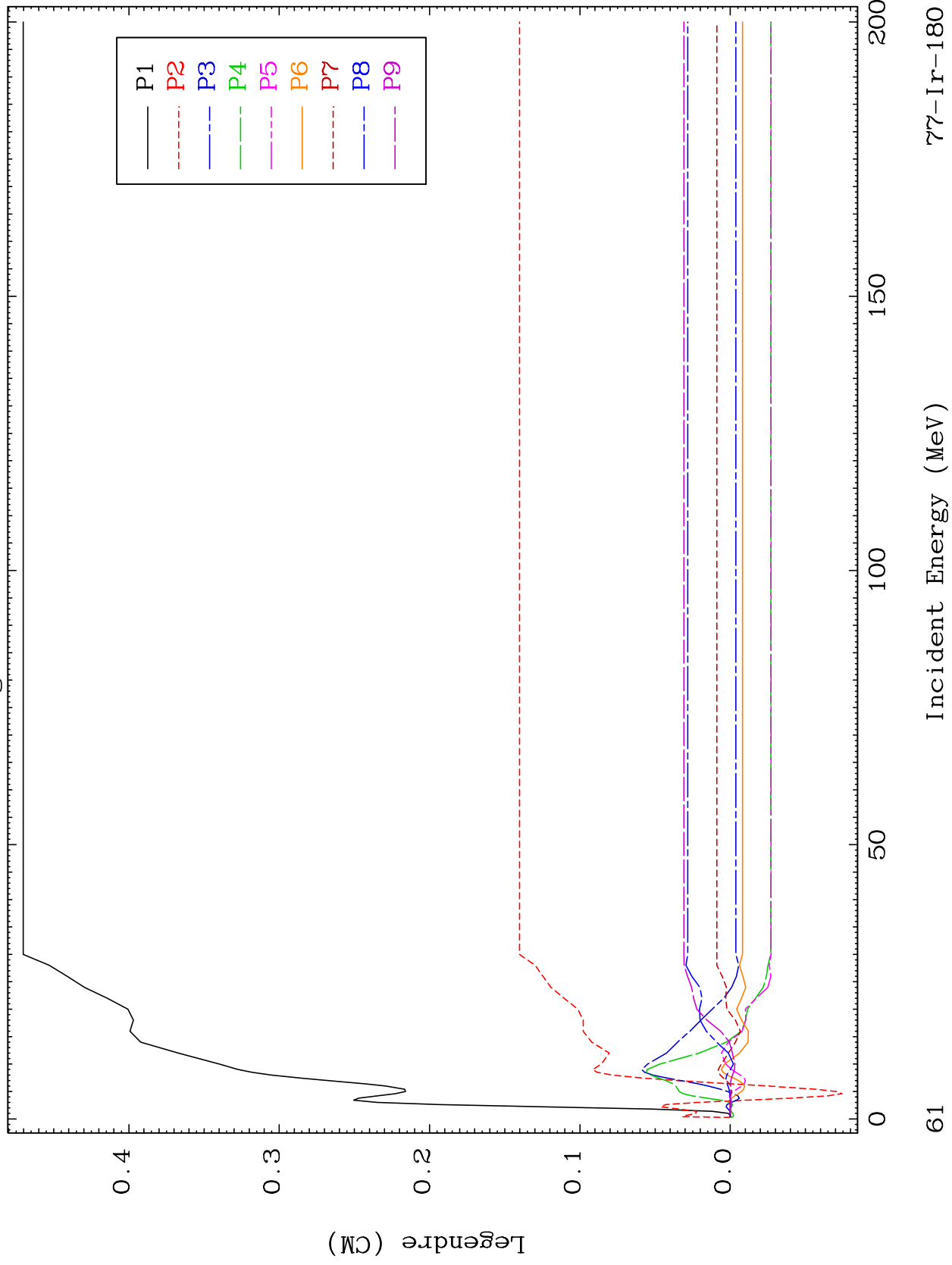




MAT 7692

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

77-Ir-180



77-Ir-180

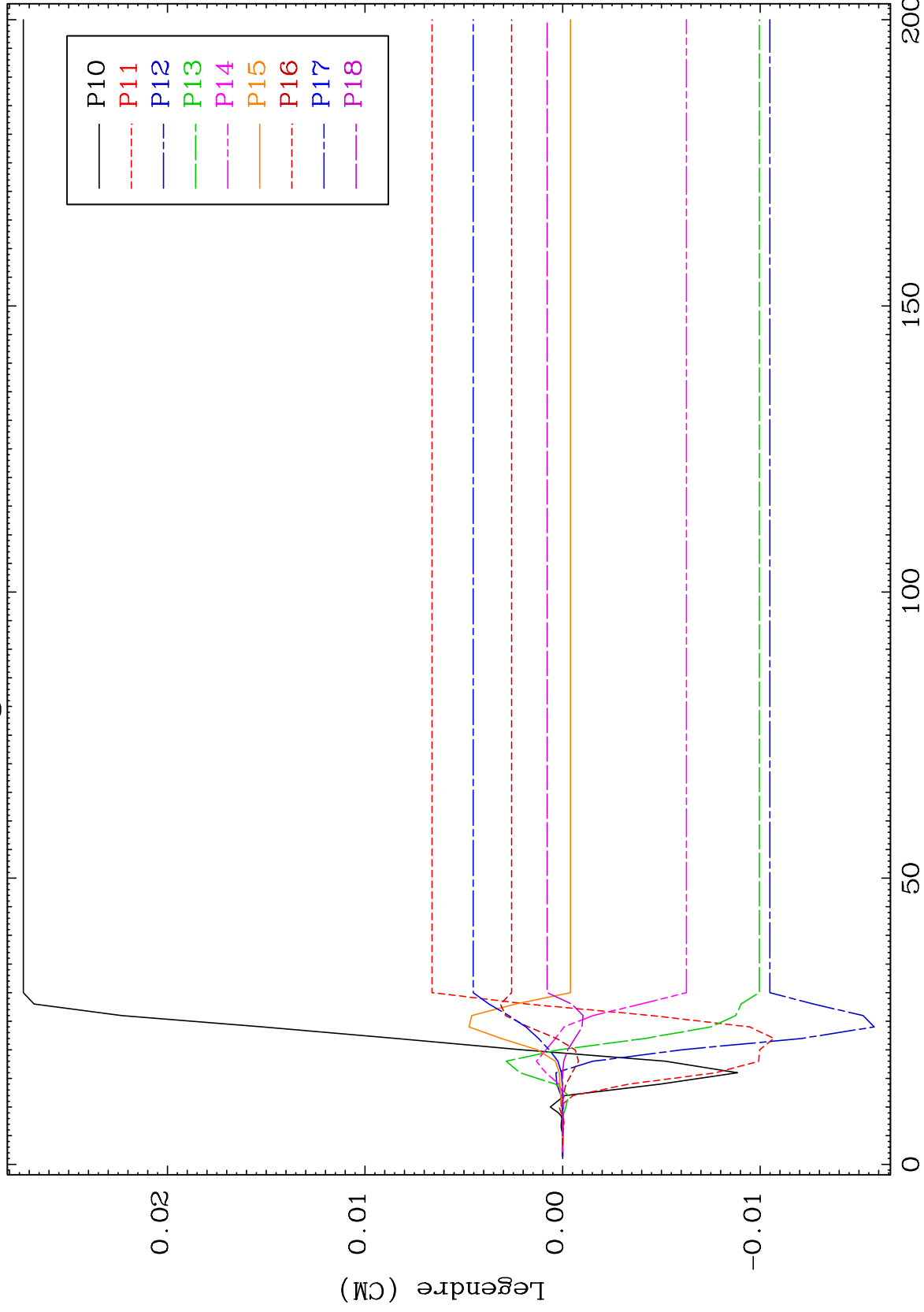
Incident Energy (MeV)

61

MAT 7692

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

77-Ir-180



62

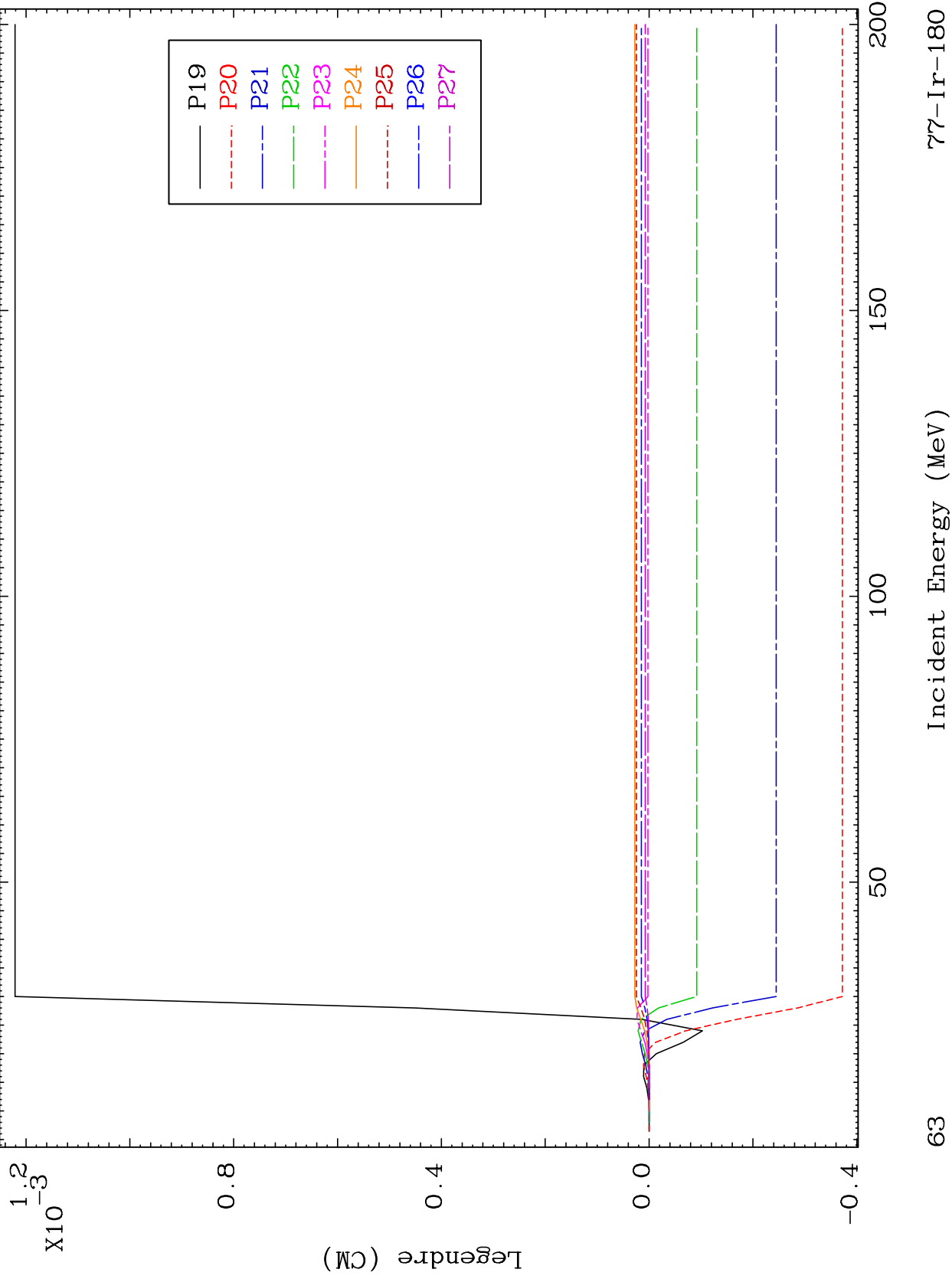
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



63

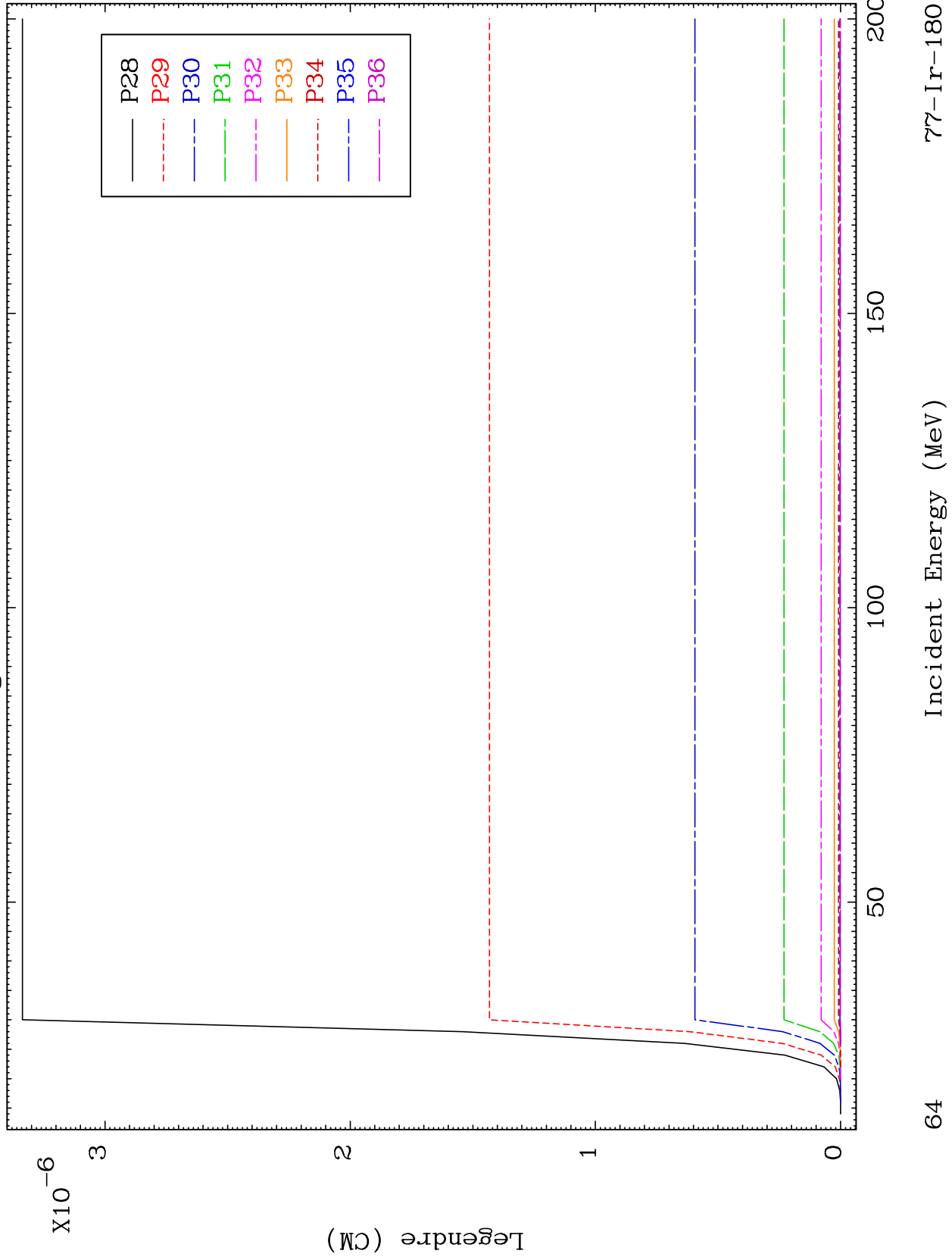
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



64

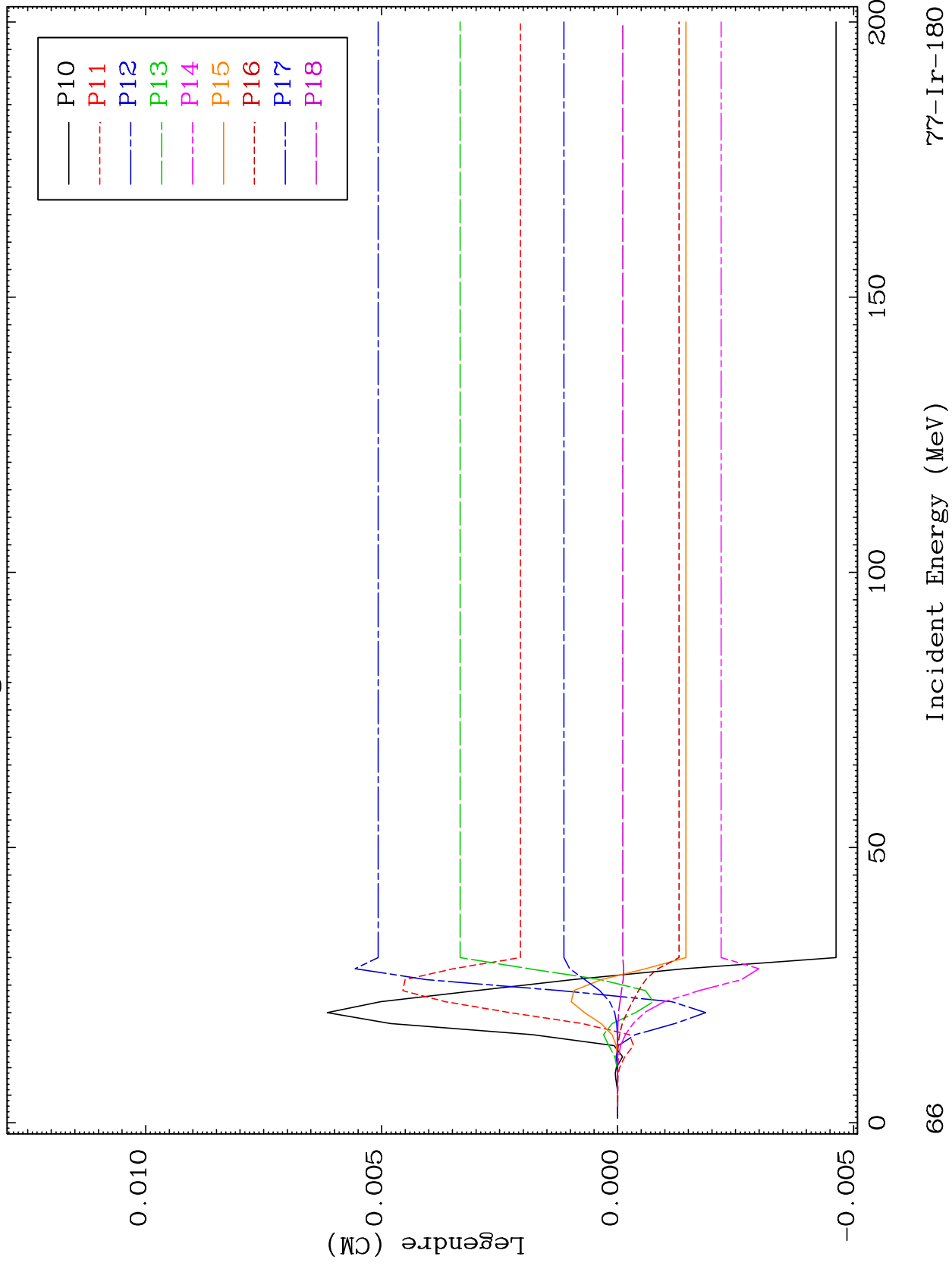
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

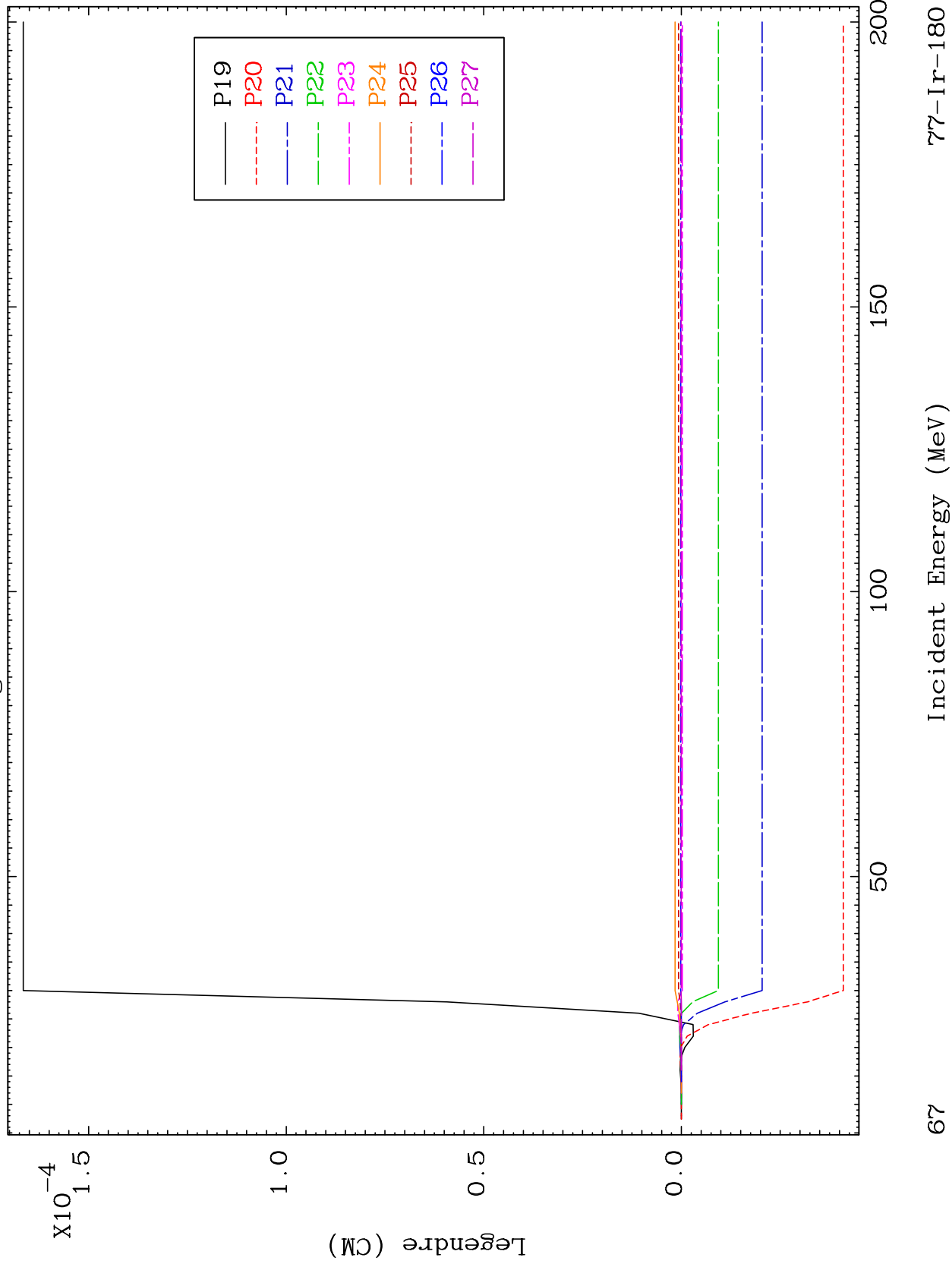
77-Ir-180



MAT 7692

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

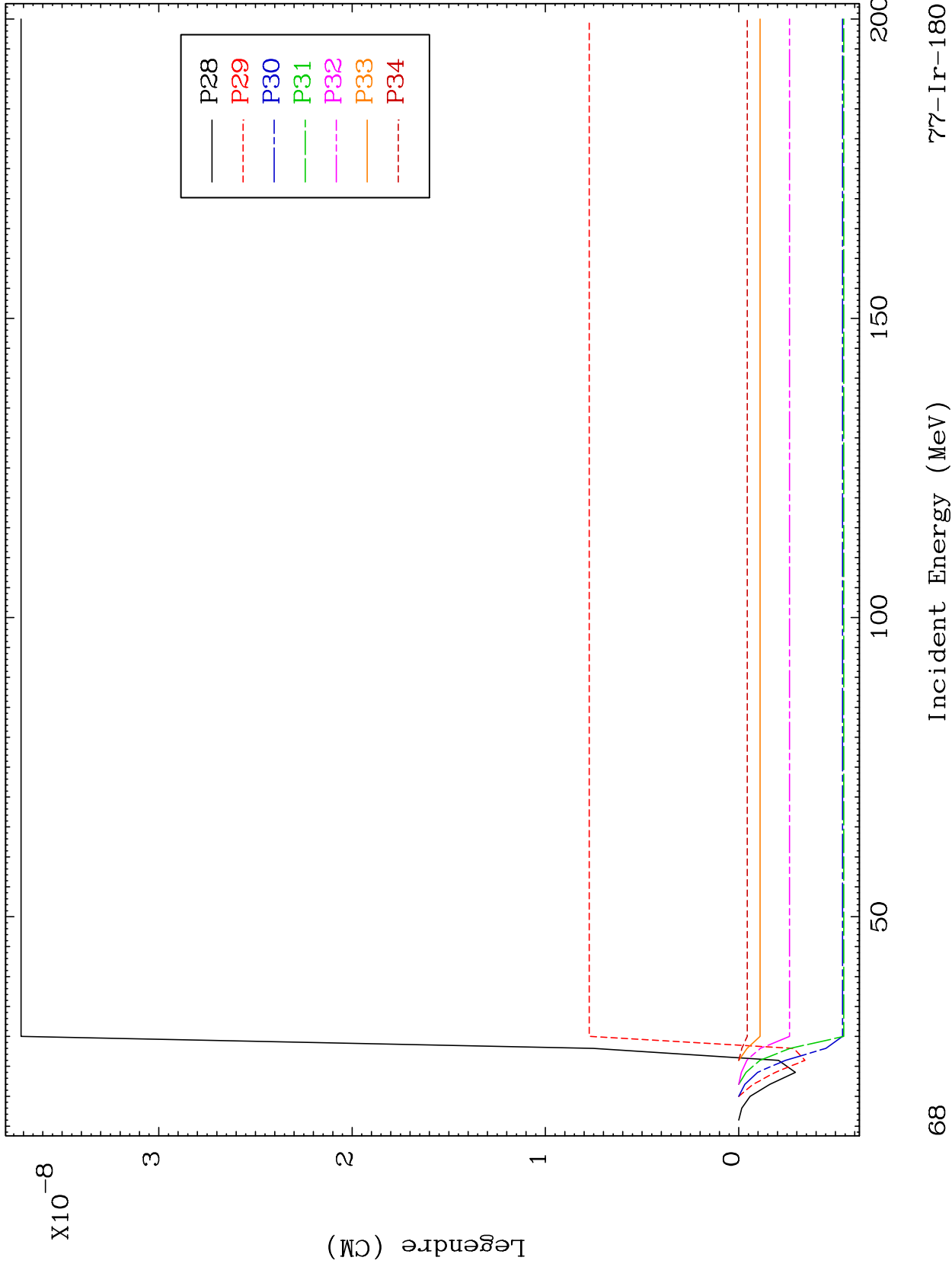
77-Ir-180



MAT 7692

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

77-Ir-180



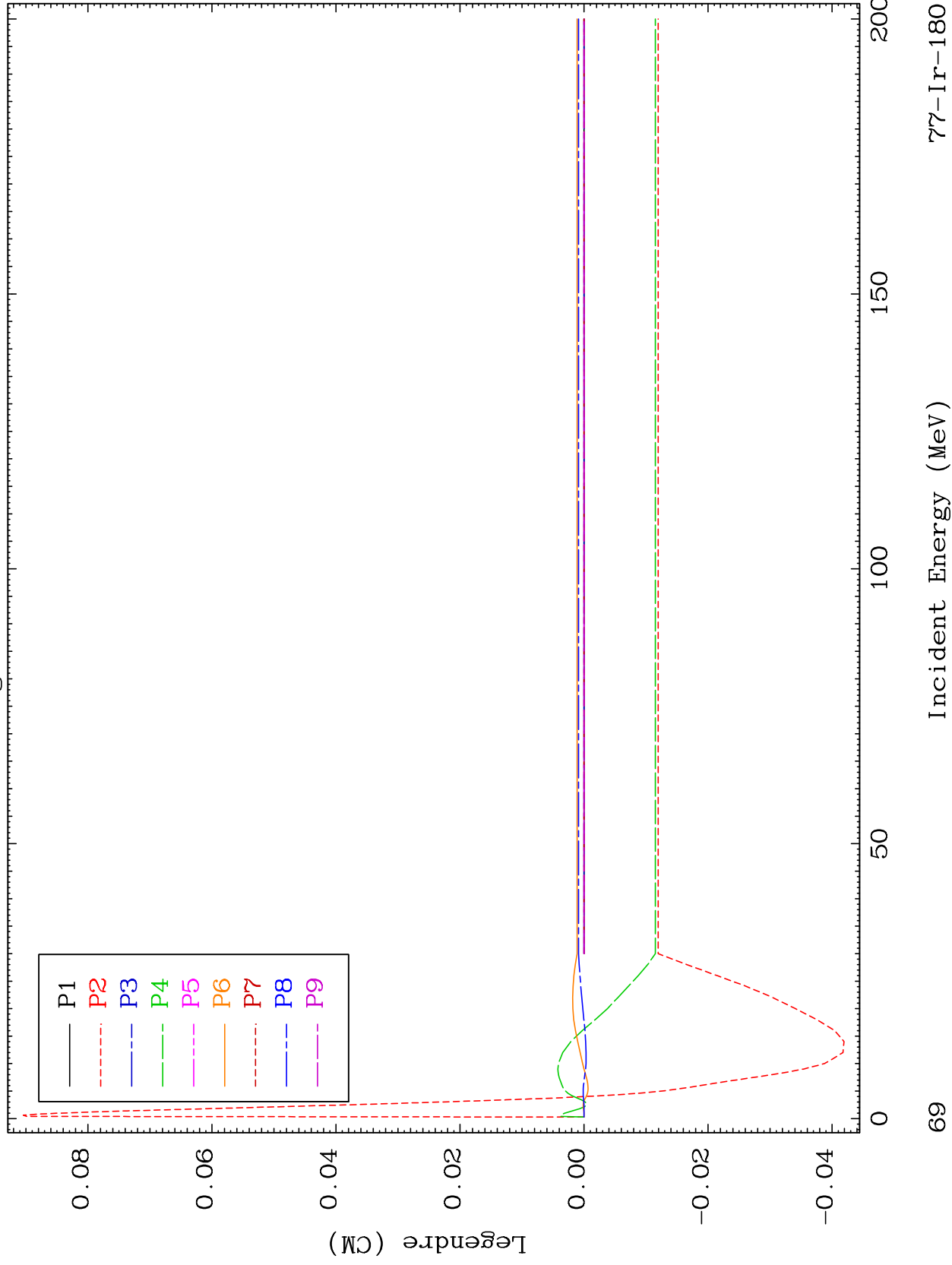
68

77-Ir-180

MAT 7692

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

77-Ir-180



77-Ir-180

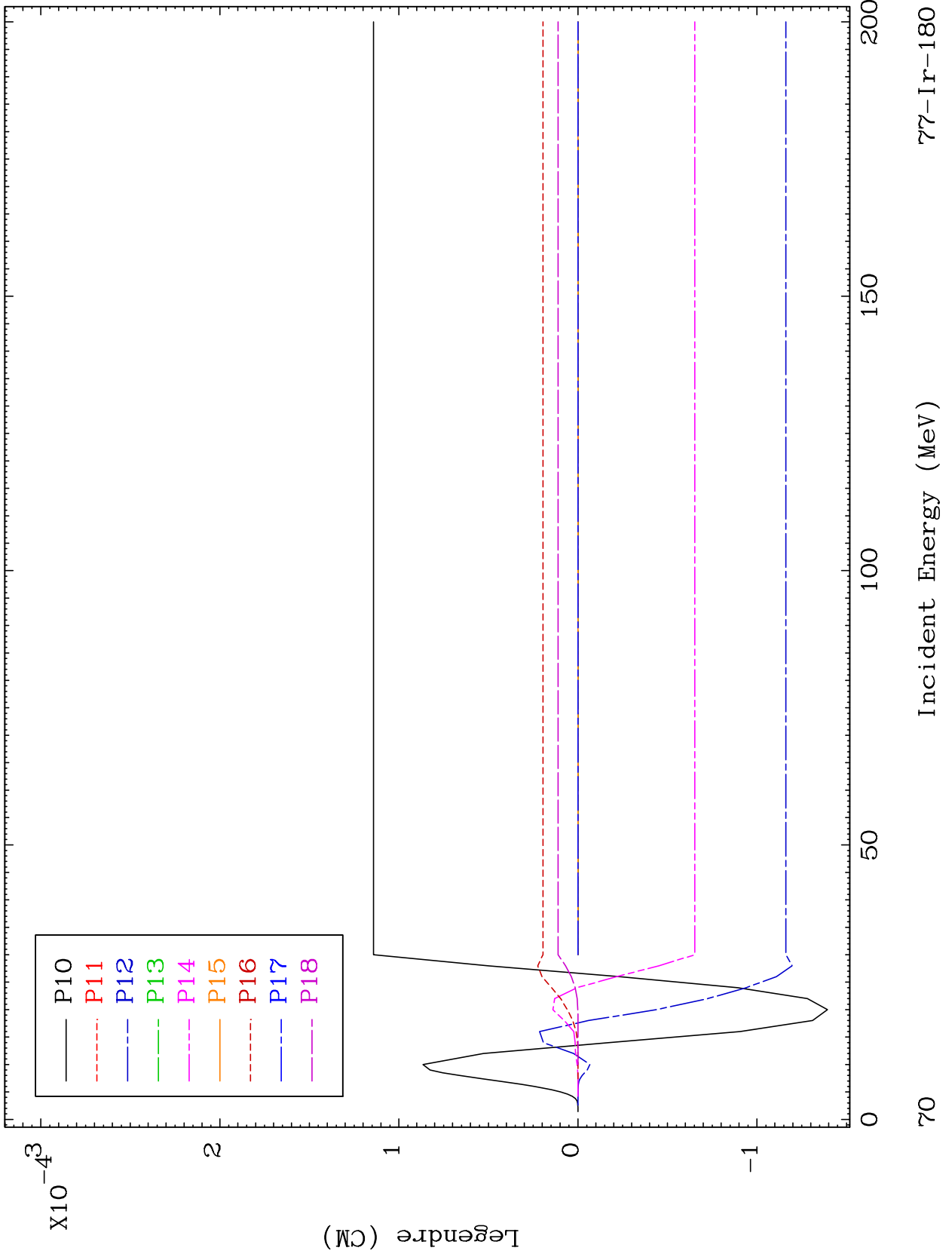
Incident Energy (MeV)

69

MAT 7692

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

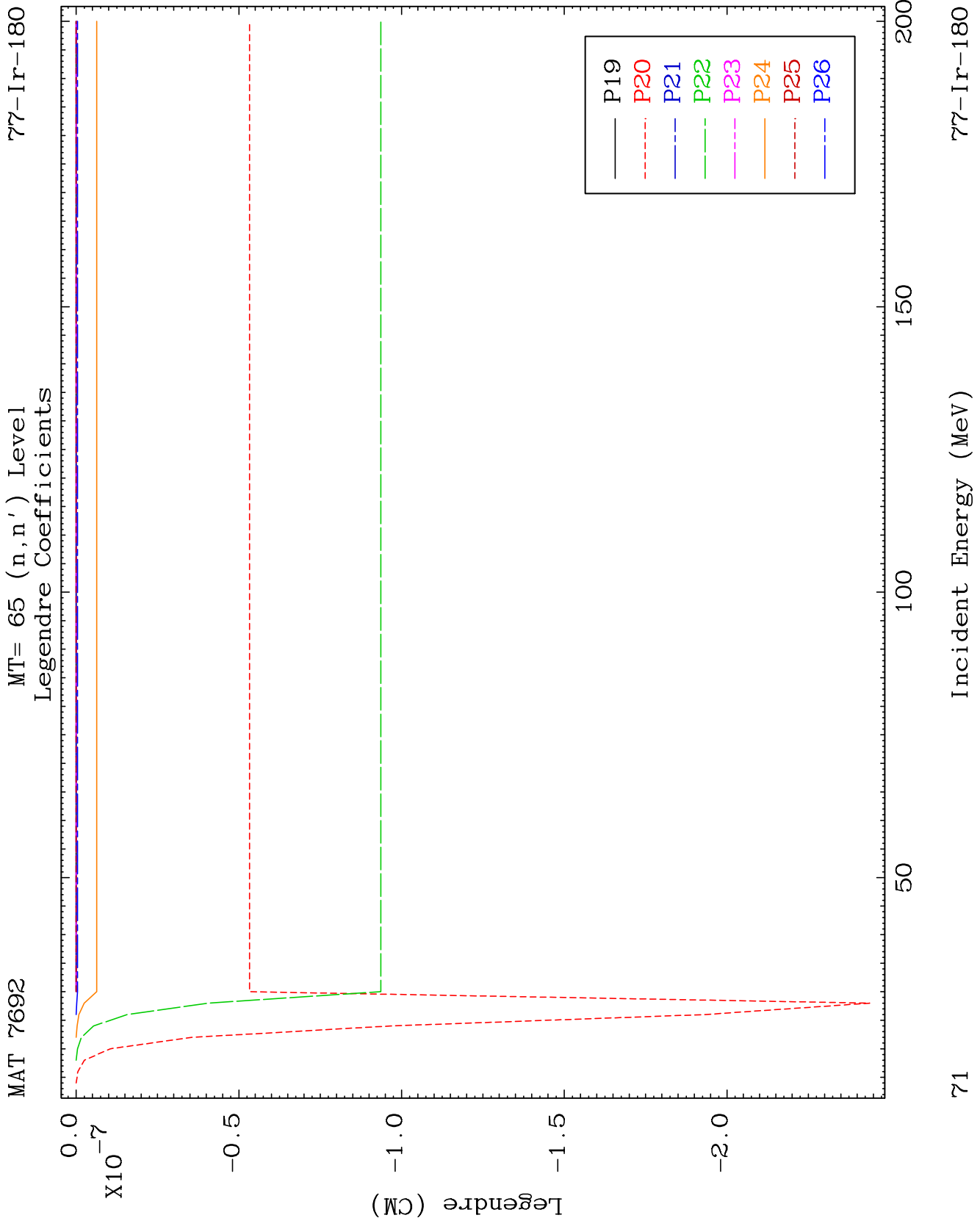
77-Ir-180



77-Ir-180

Incident Energy (MeV)

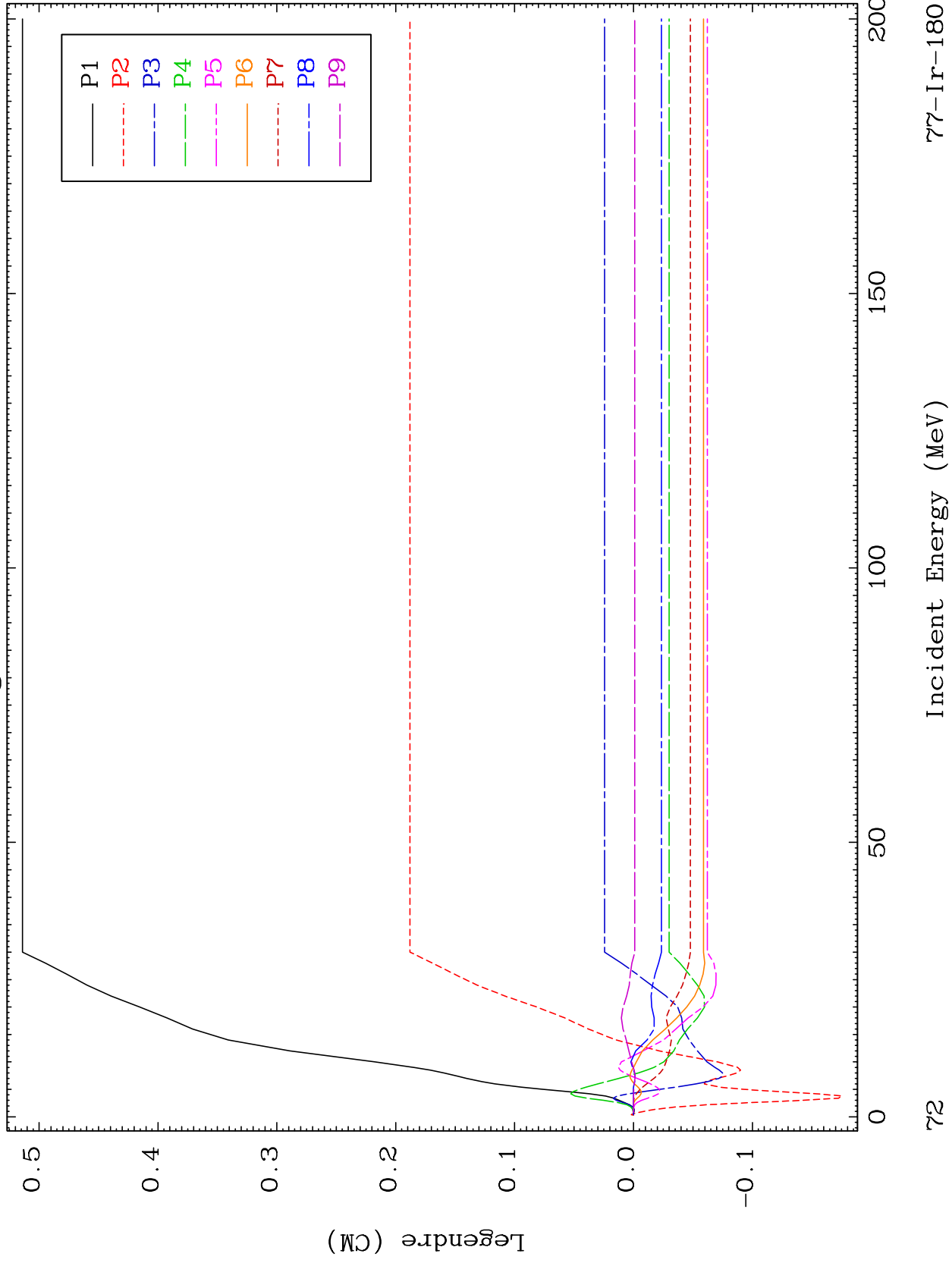
70



MAT 7692

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

77-Ir-180

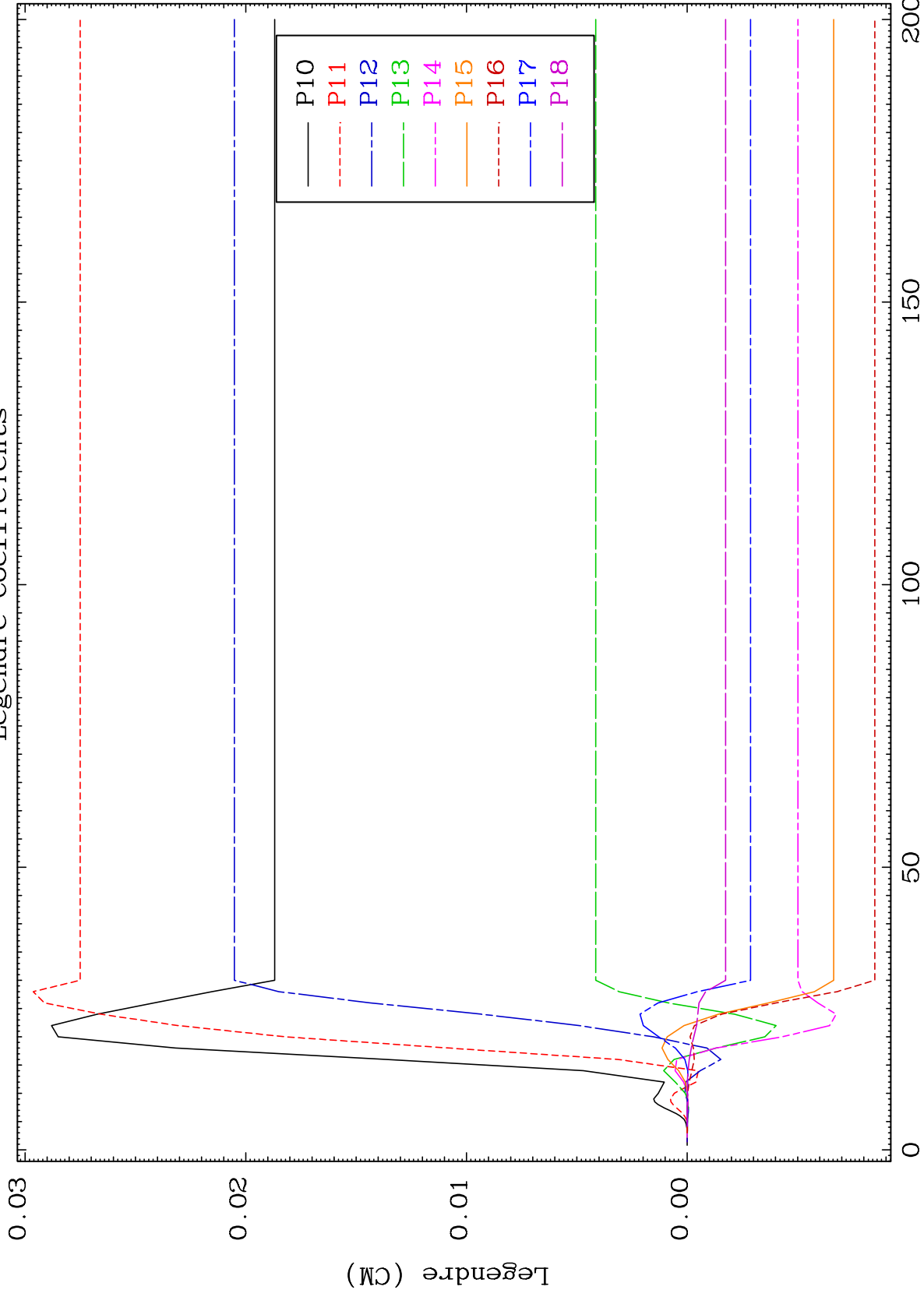


72

MAT 7692

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

77-Ir-180



73

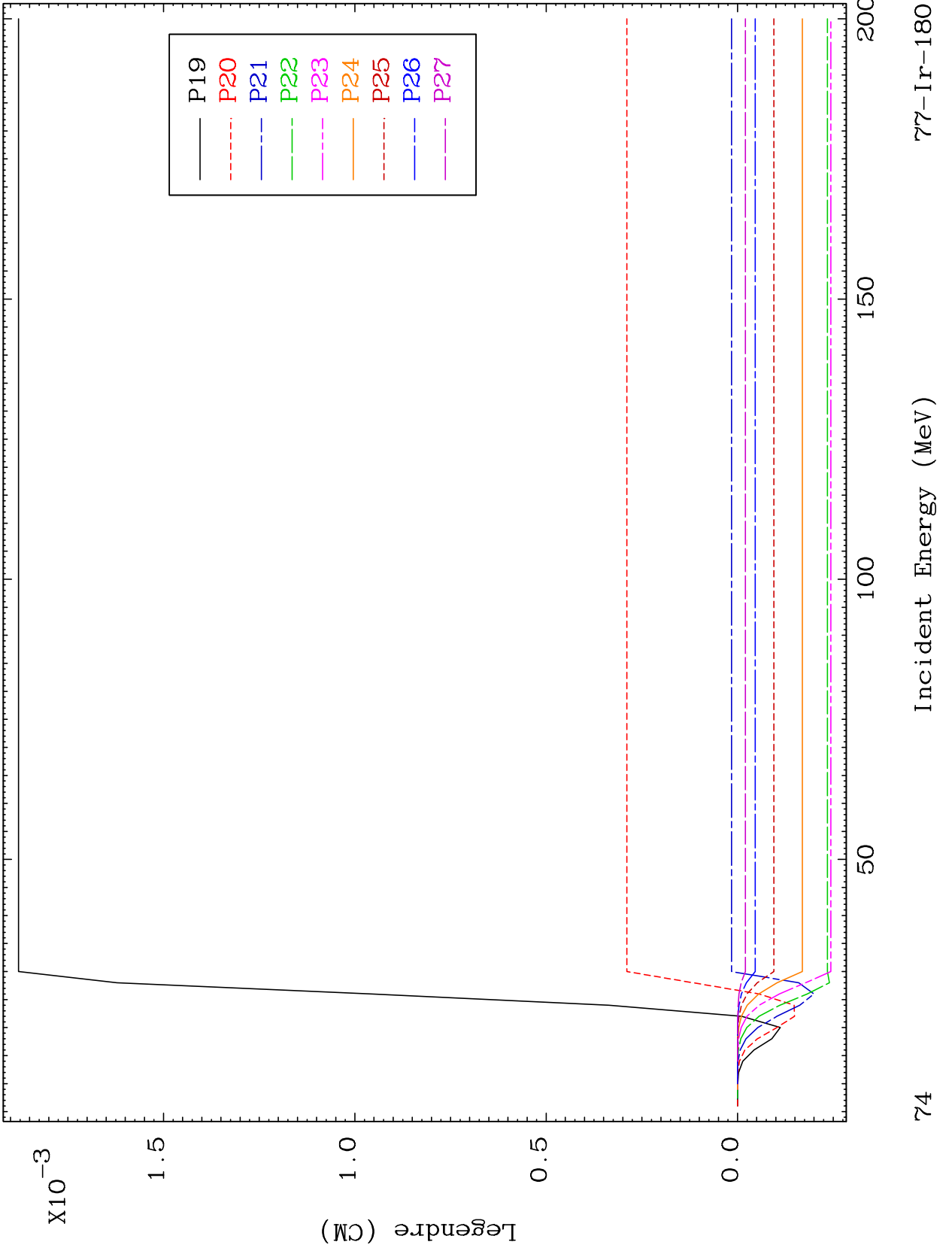
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

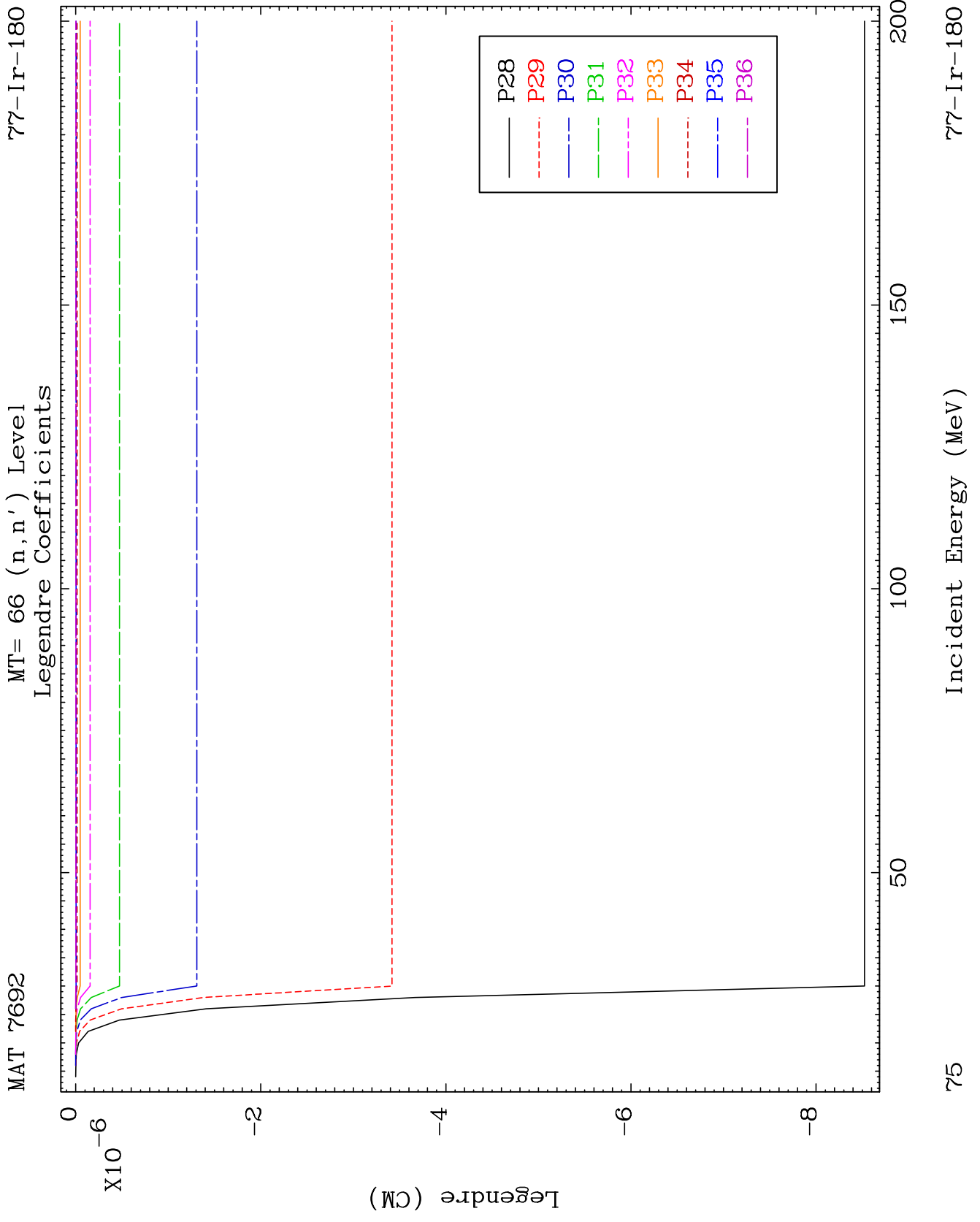
⁷⁷Ir-180



74

Incident Energy (MeV)

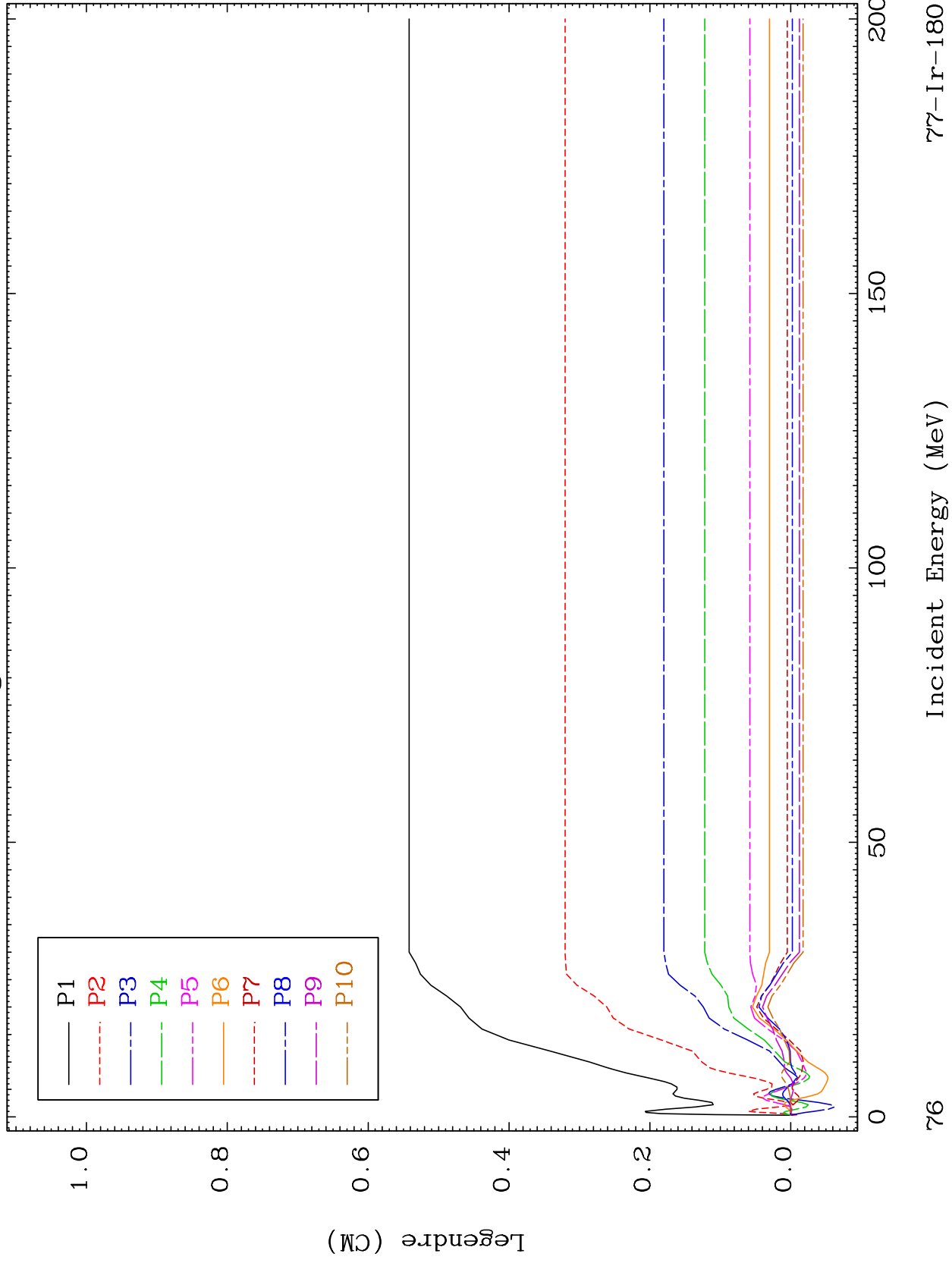
⁷⁷Ir-180



MAT 7692

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

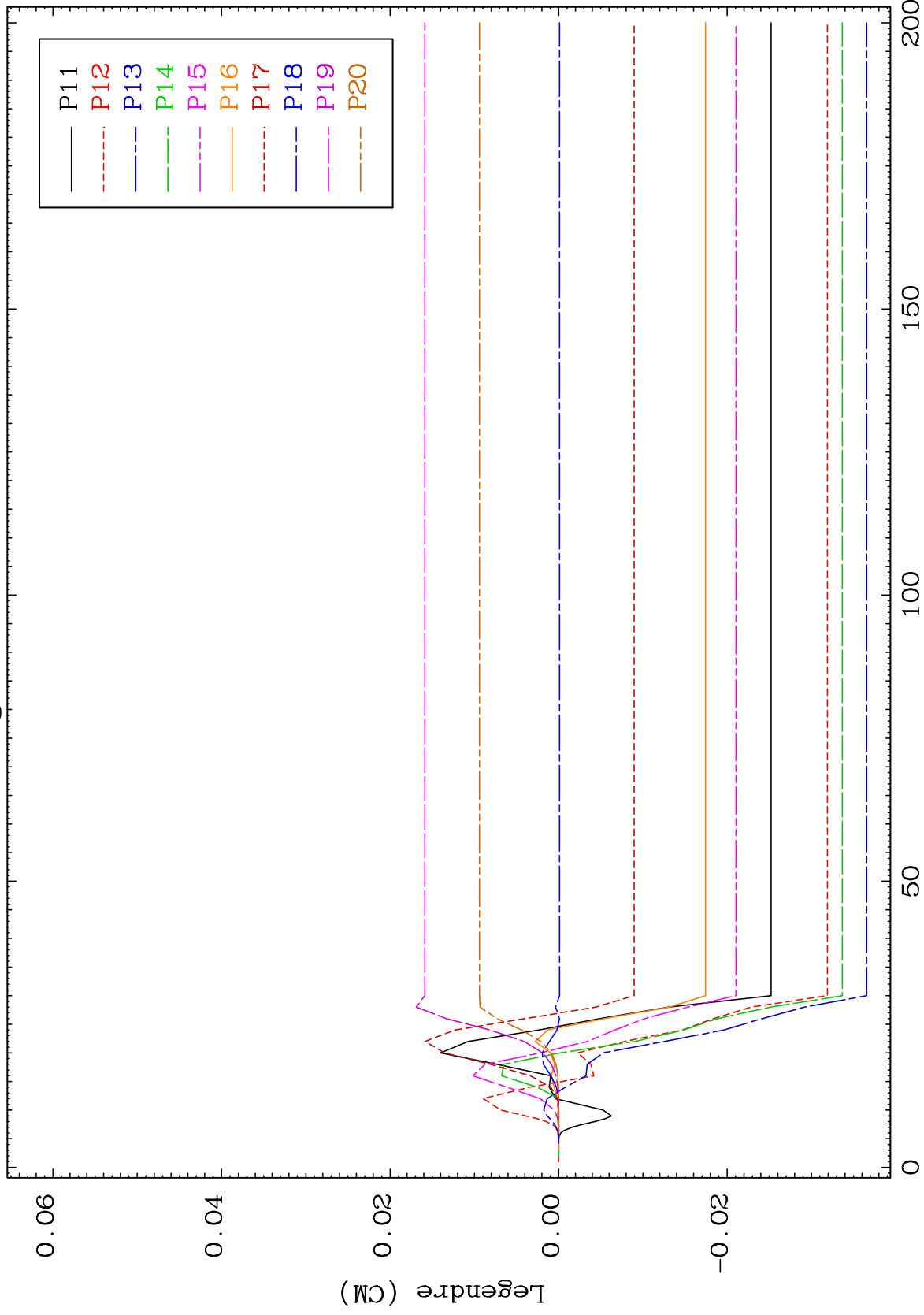
77-Ir-180



MAT 7692

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

⁷⁷Ir-180



⁷⁷

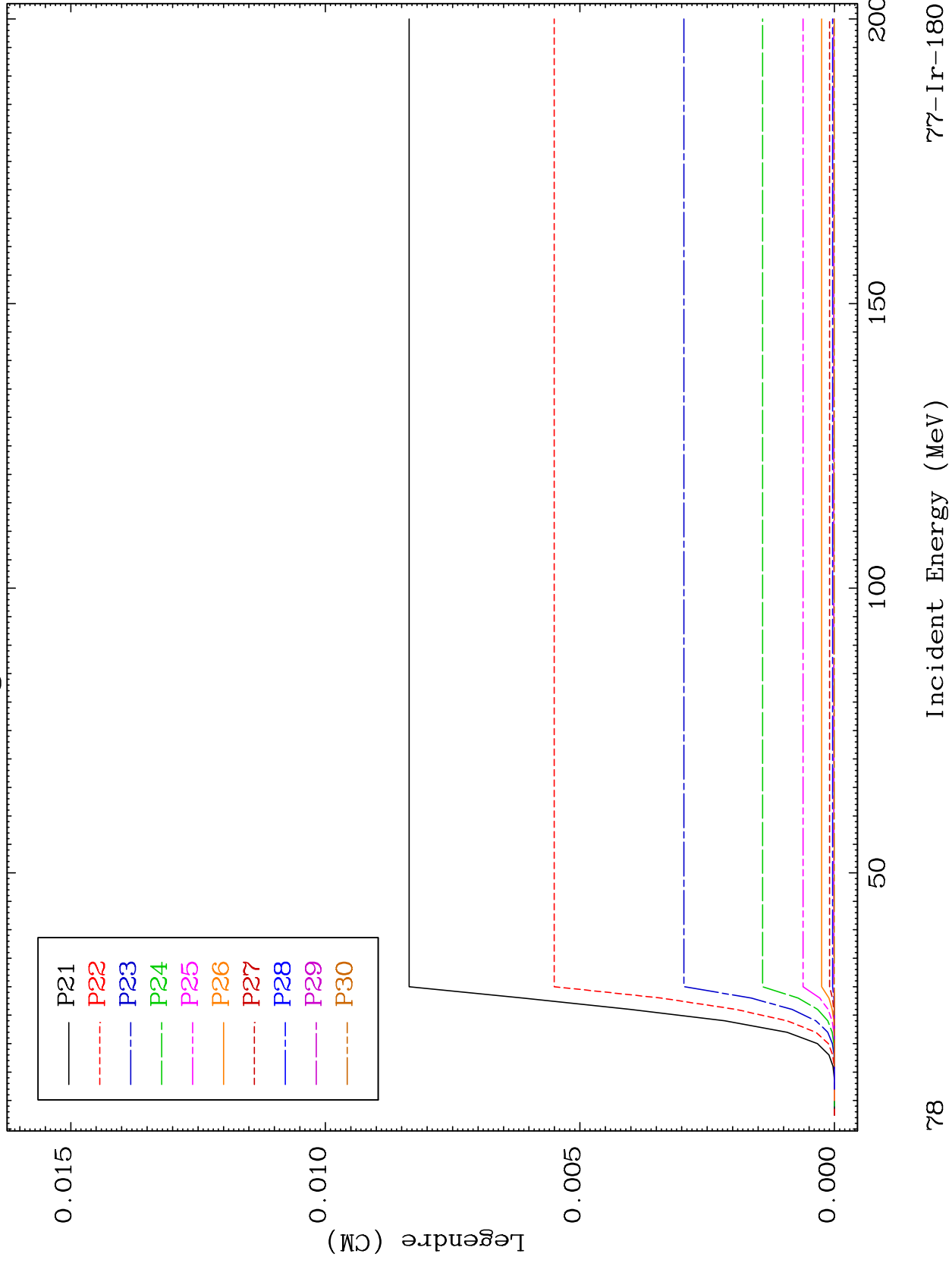
Incident Energy (MeV)

⁷⁷Ir-180

MAT 7692

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

77-Ir-180

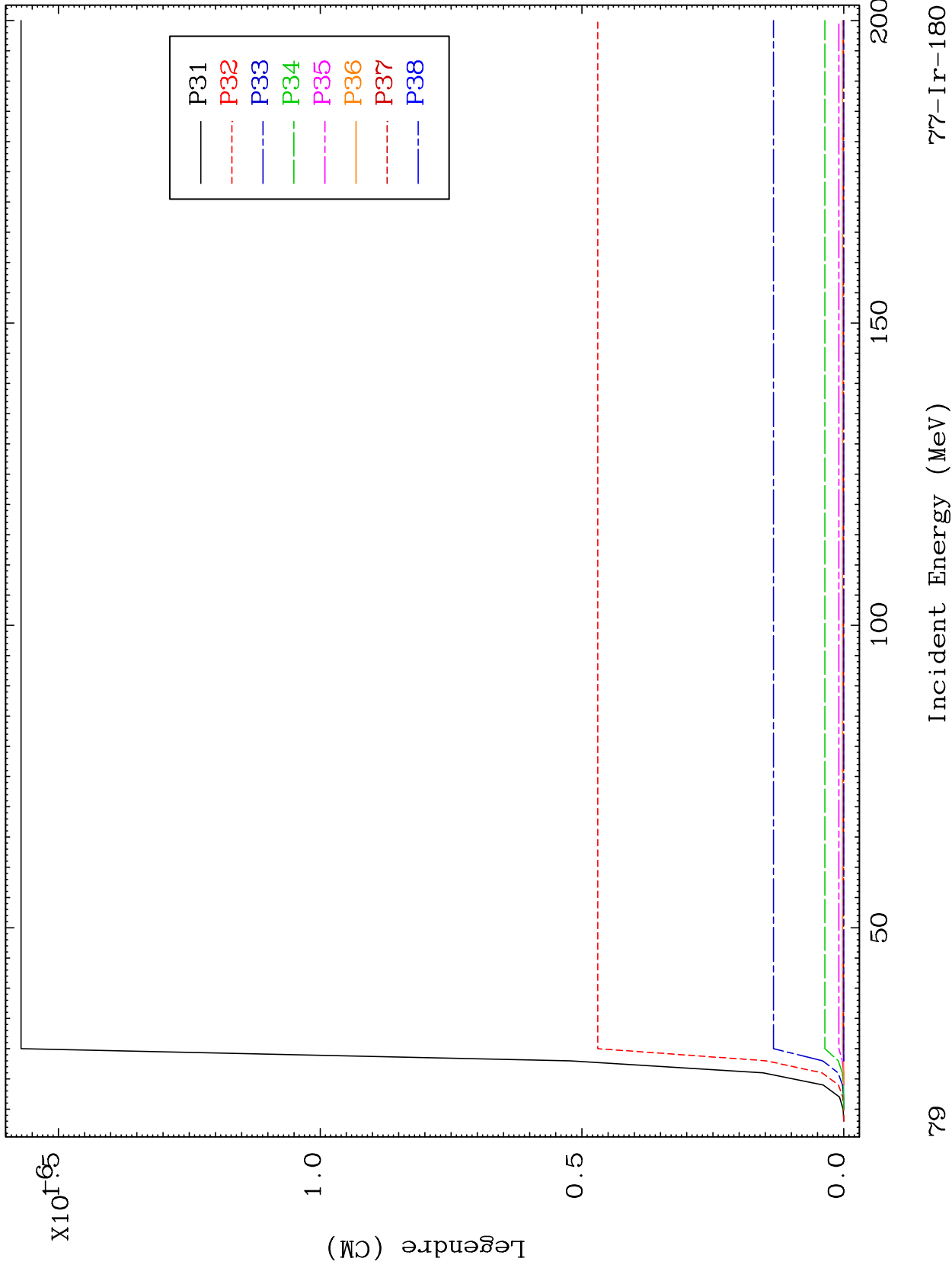


78

MAT 7692

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

77-Ir-180



79

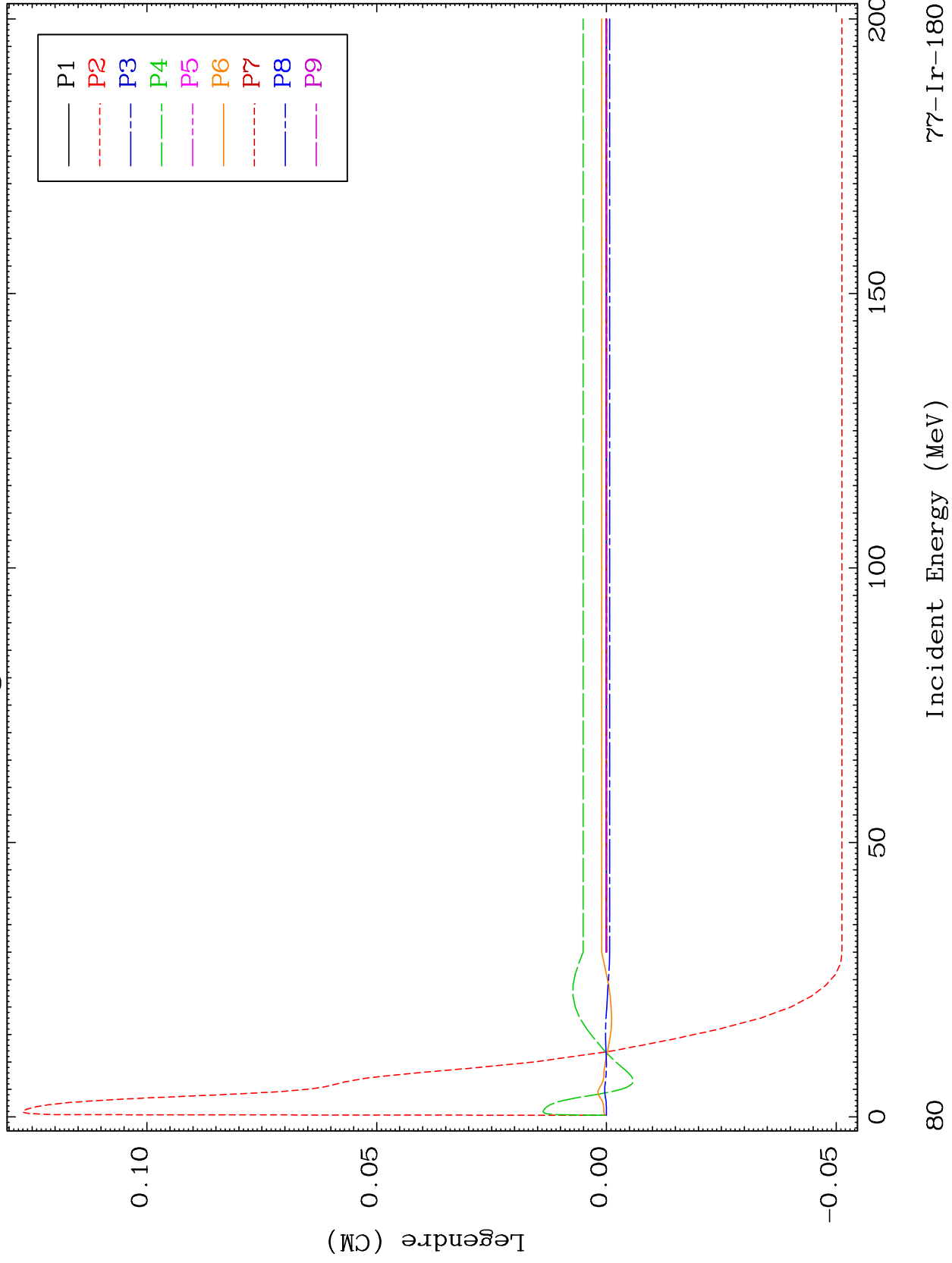
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180

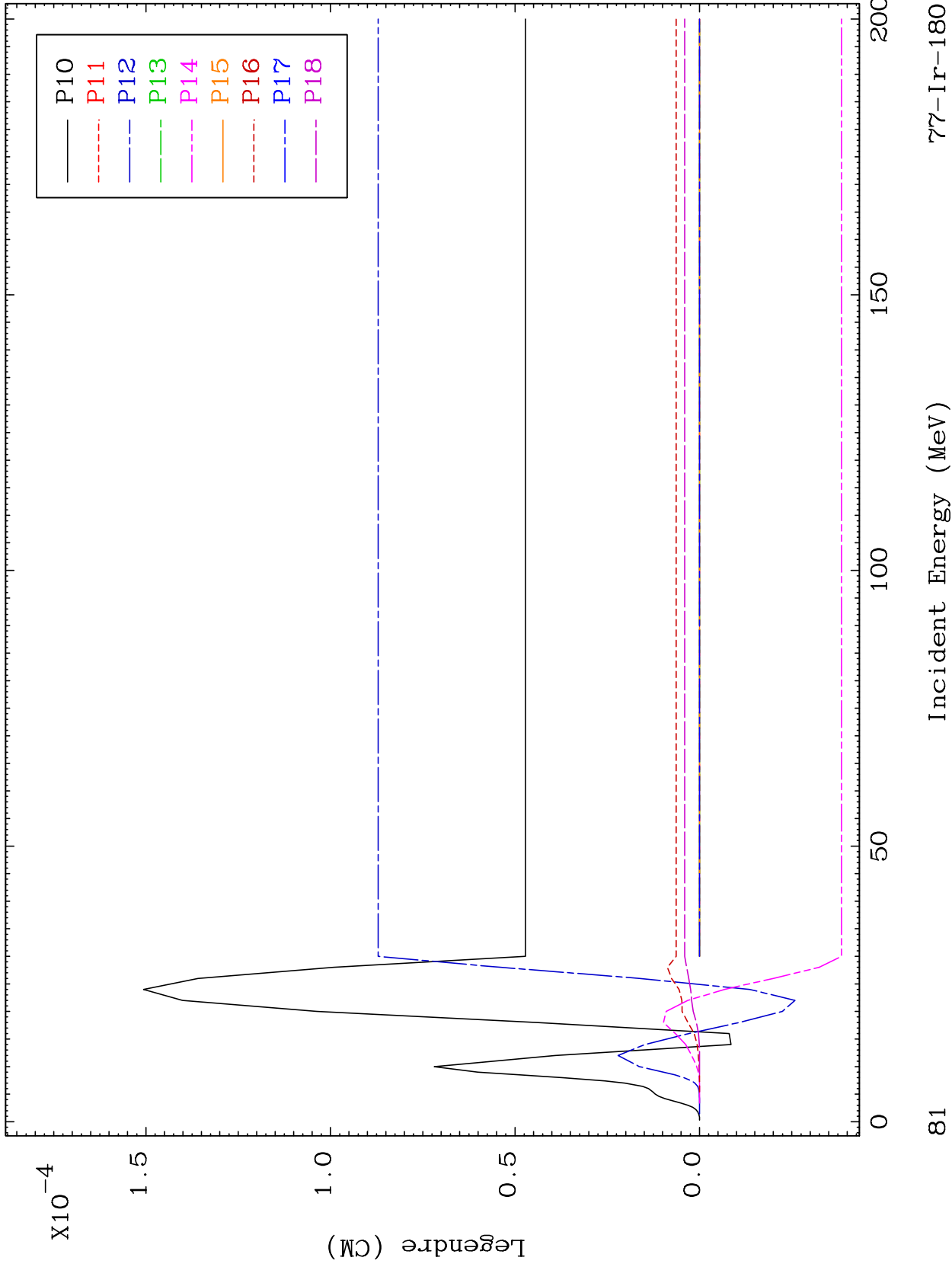


77-Ir-180

MAT 7692

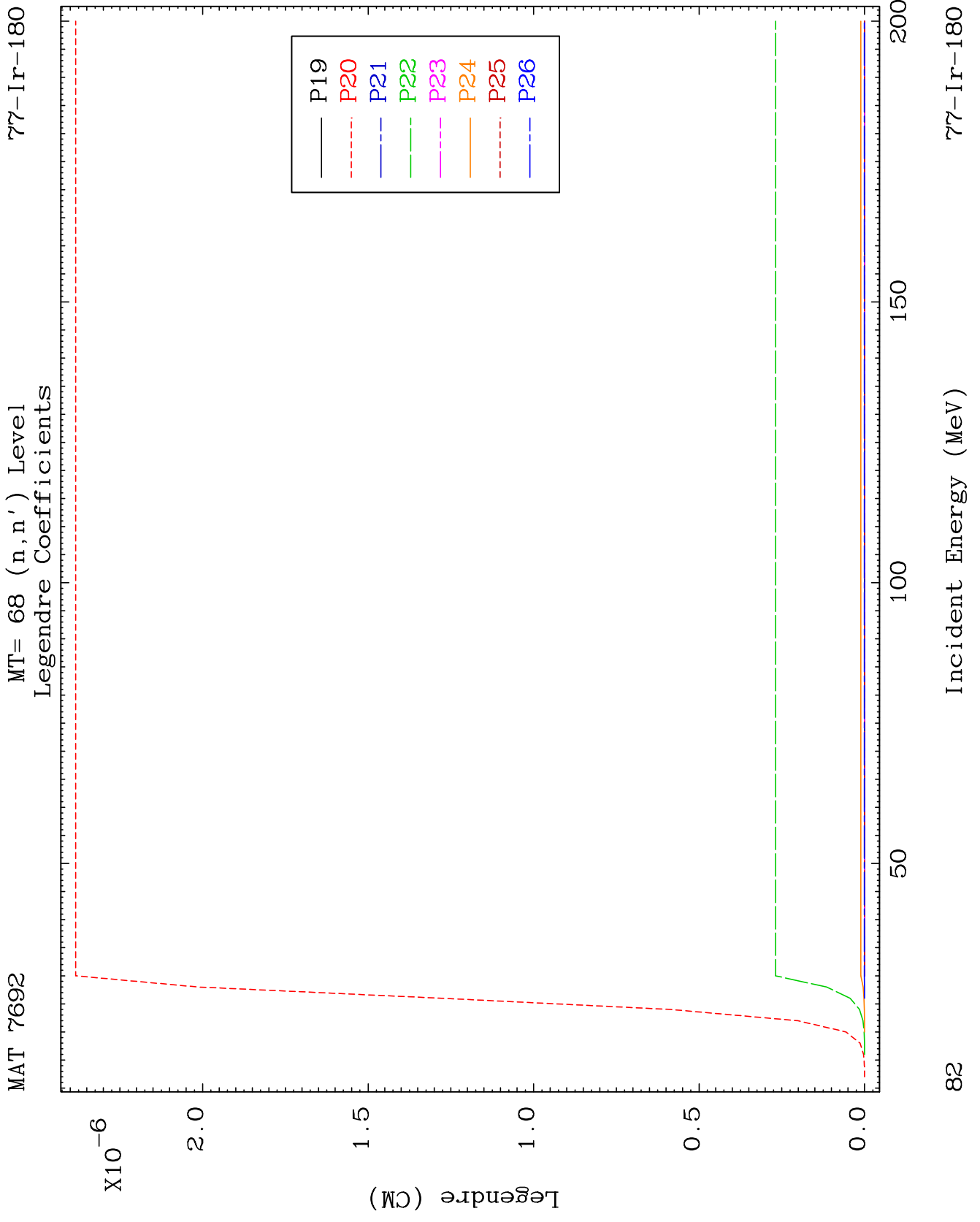
MT= 68 (n,n') Level
Legendre Coefficients

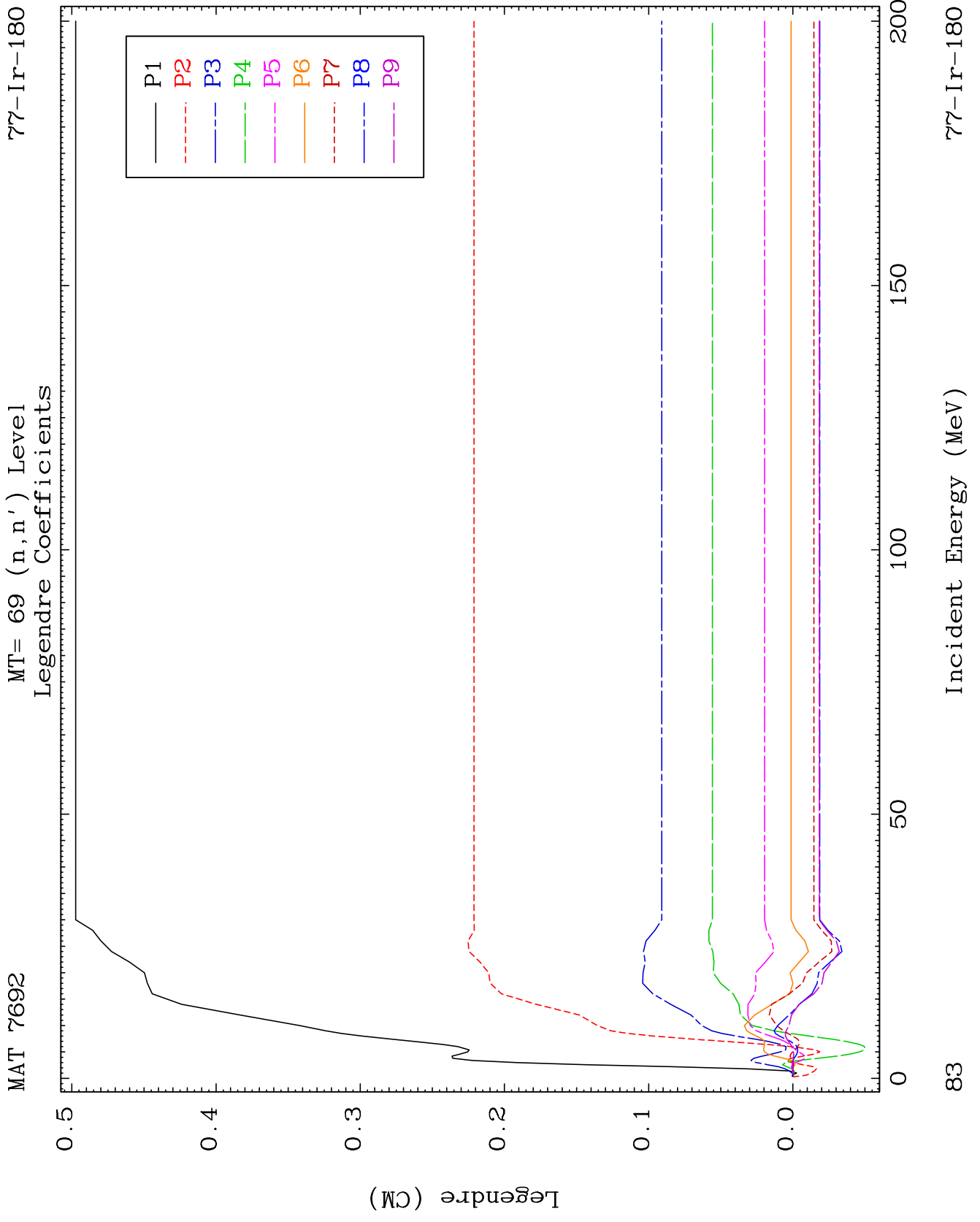
77-Ir-180



81

77-Ir-180

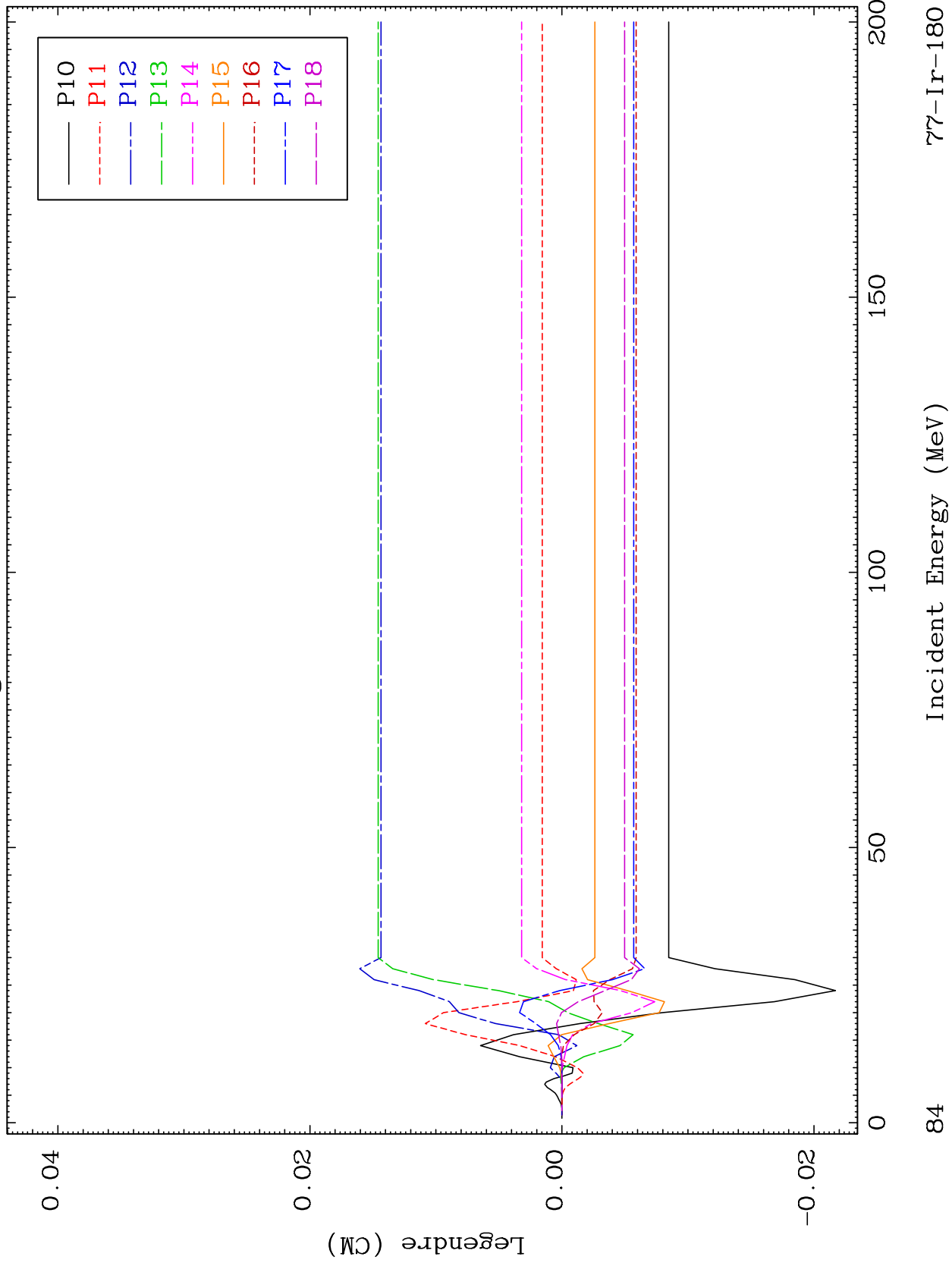




MAT 7692

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

77-Ir-180



84

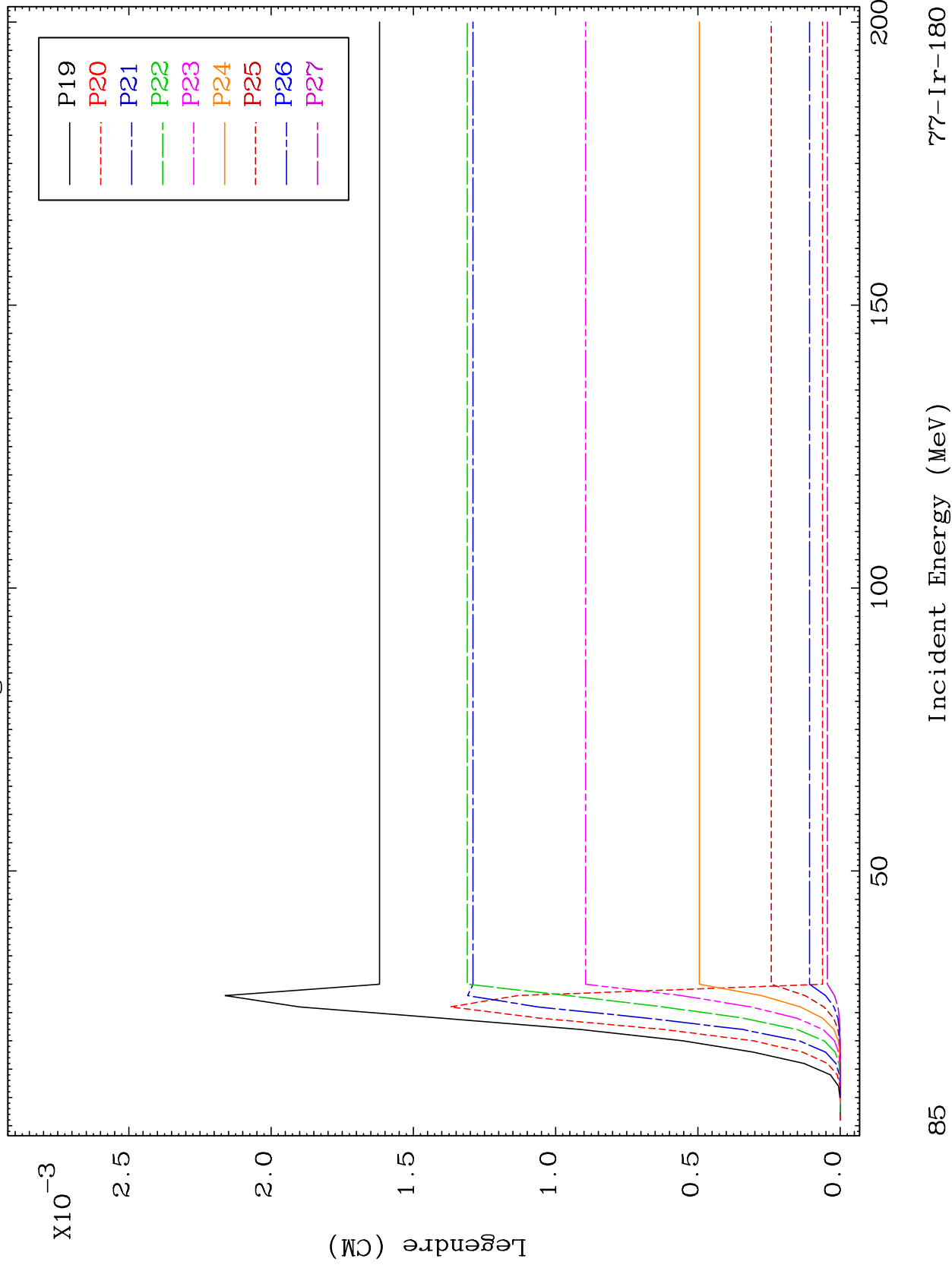
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



77-Ir-180

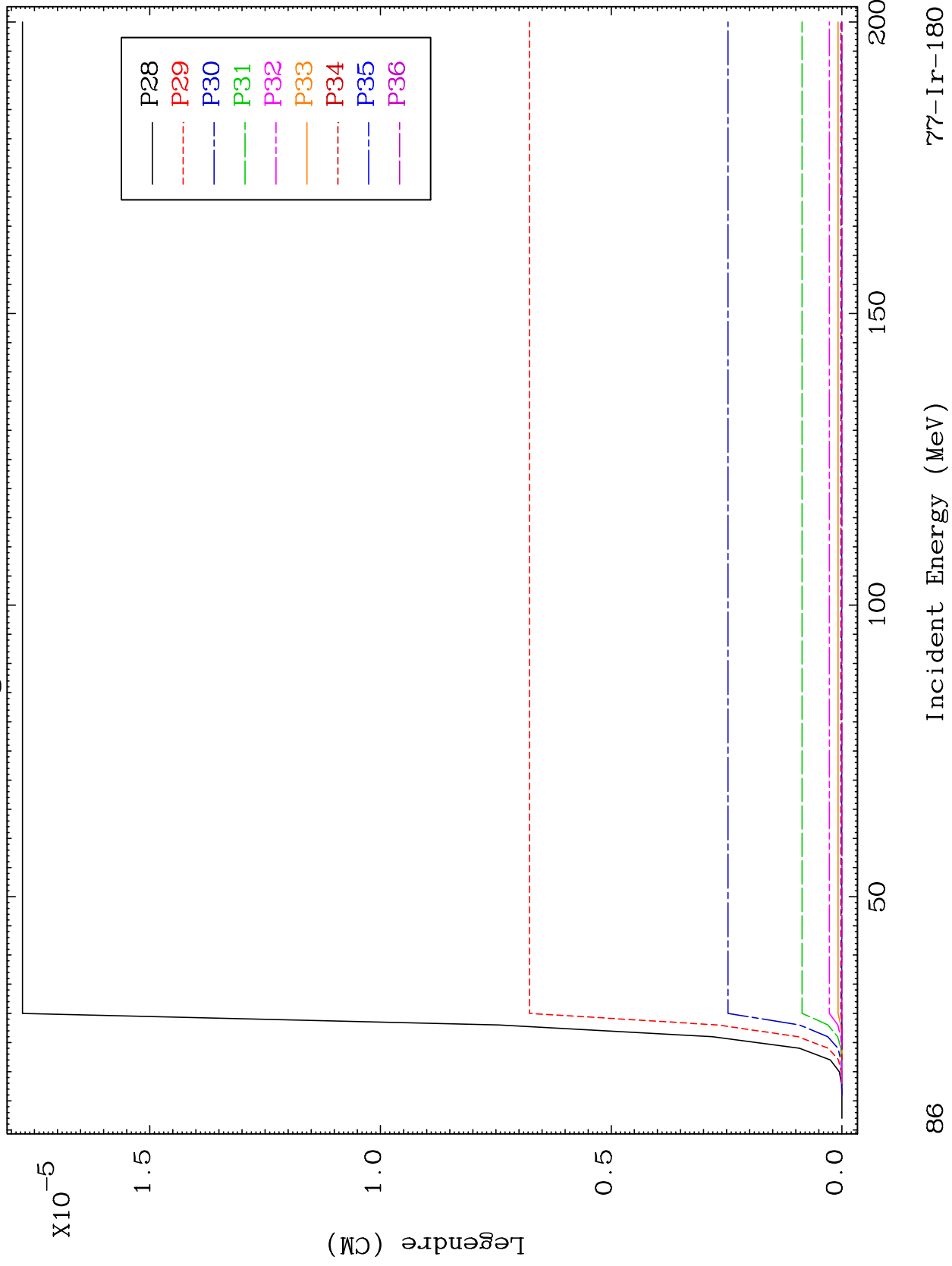
Incident Energy (MeV)

85

MAT 7692

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

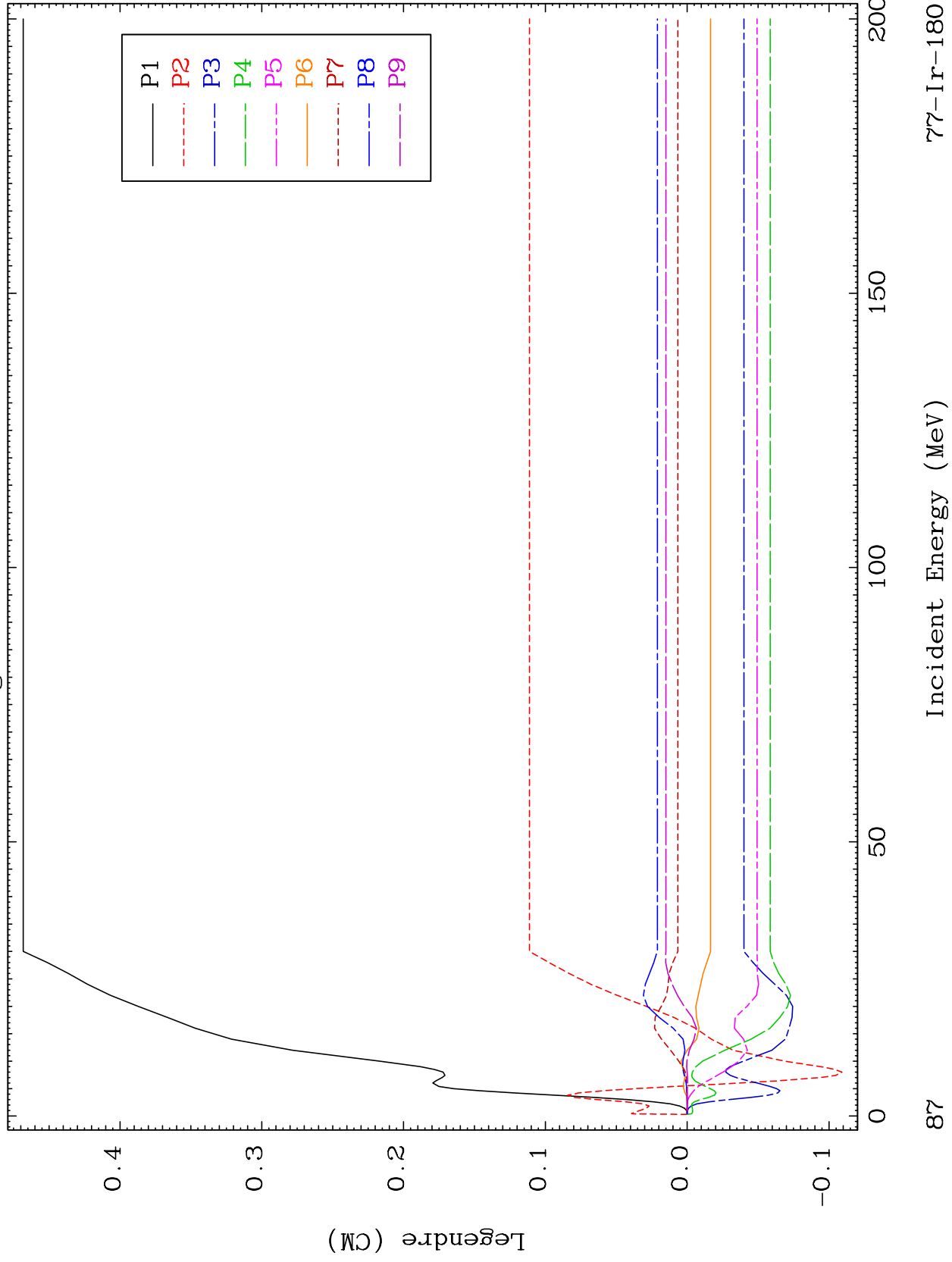
77-Ir-180



MAT 7692

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

77-Ir-180



77-Ir-180

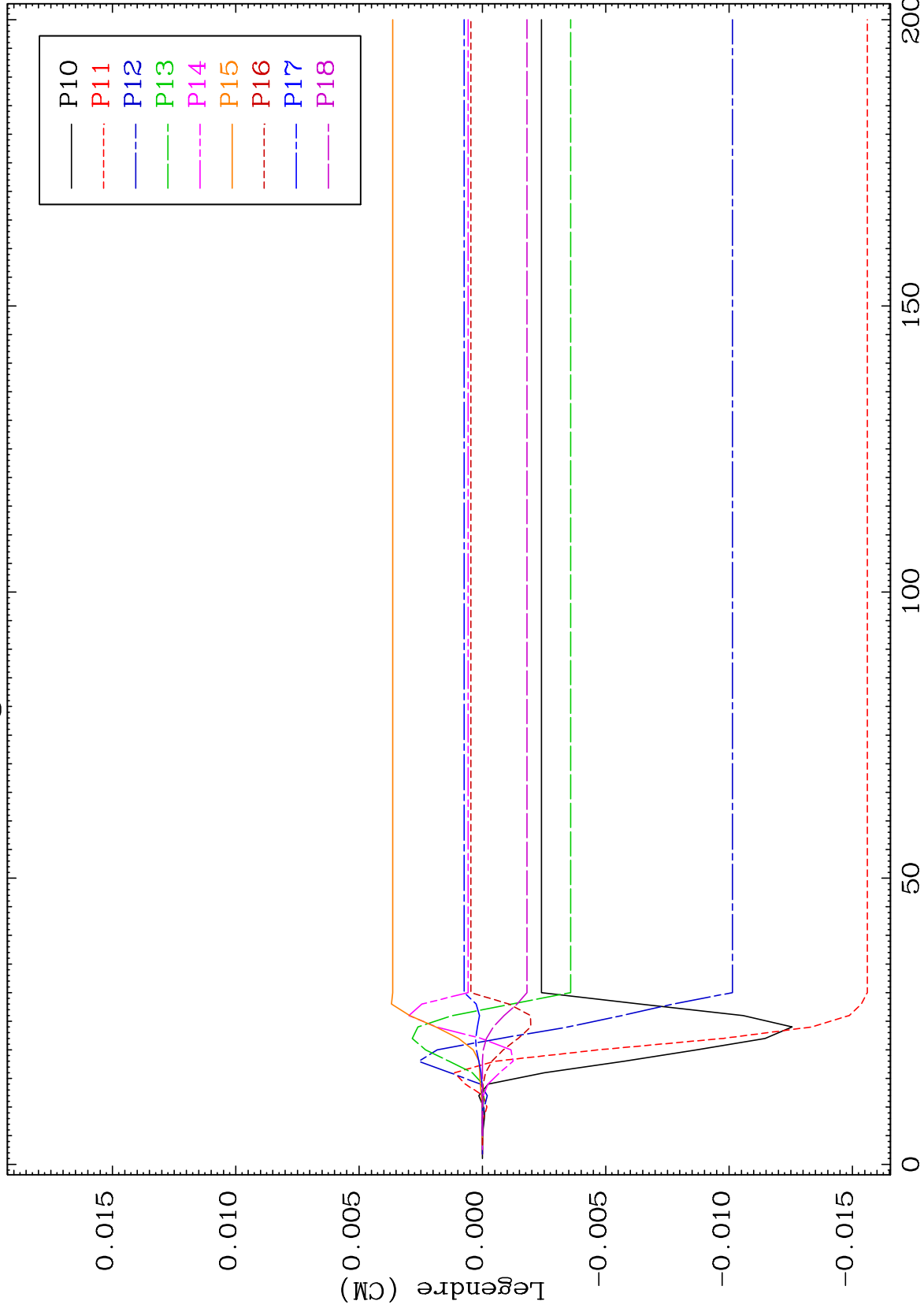
Incident Energy (MeV)

87

MAT 7692

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

77-Ir-180



88

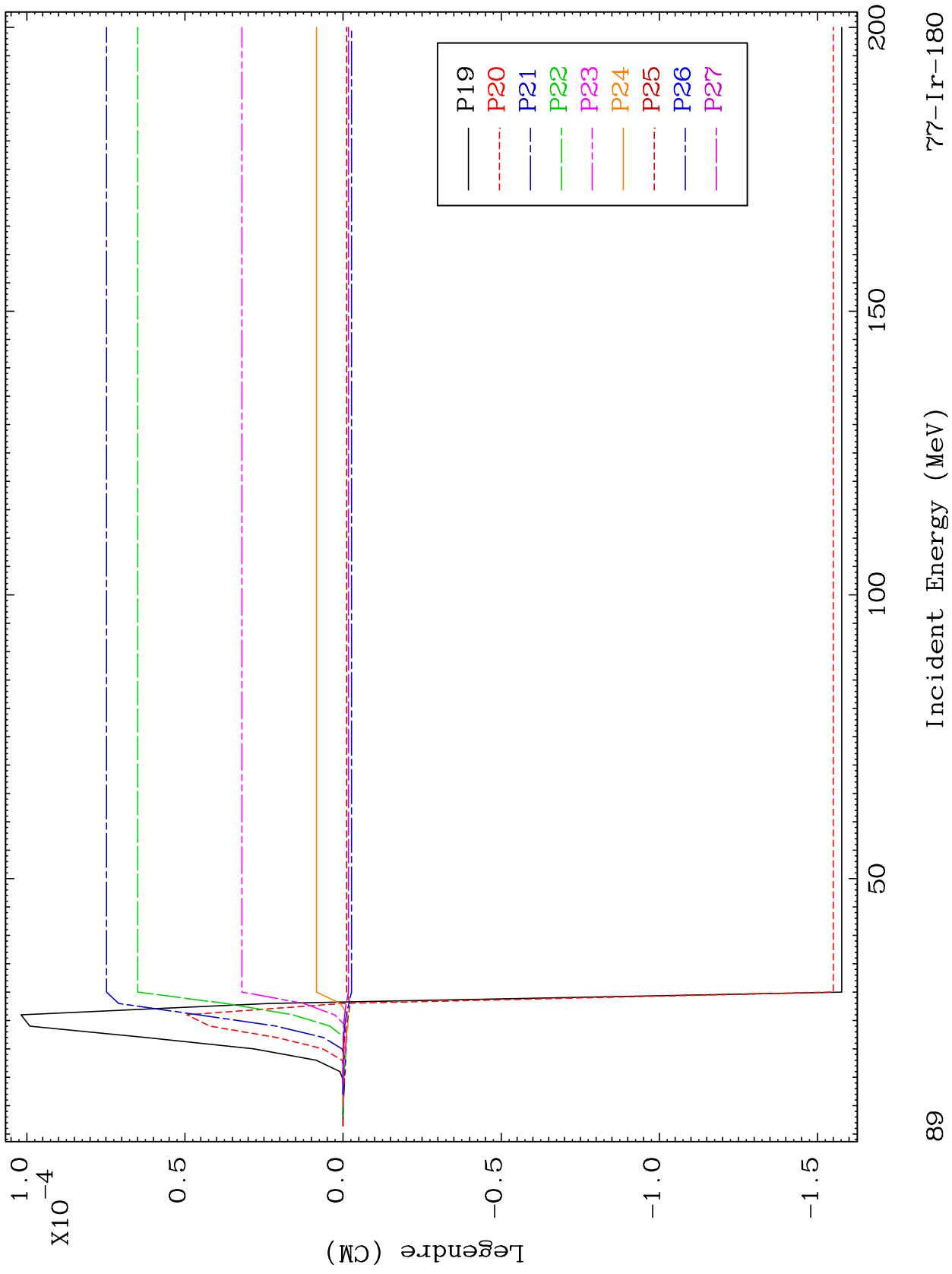
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

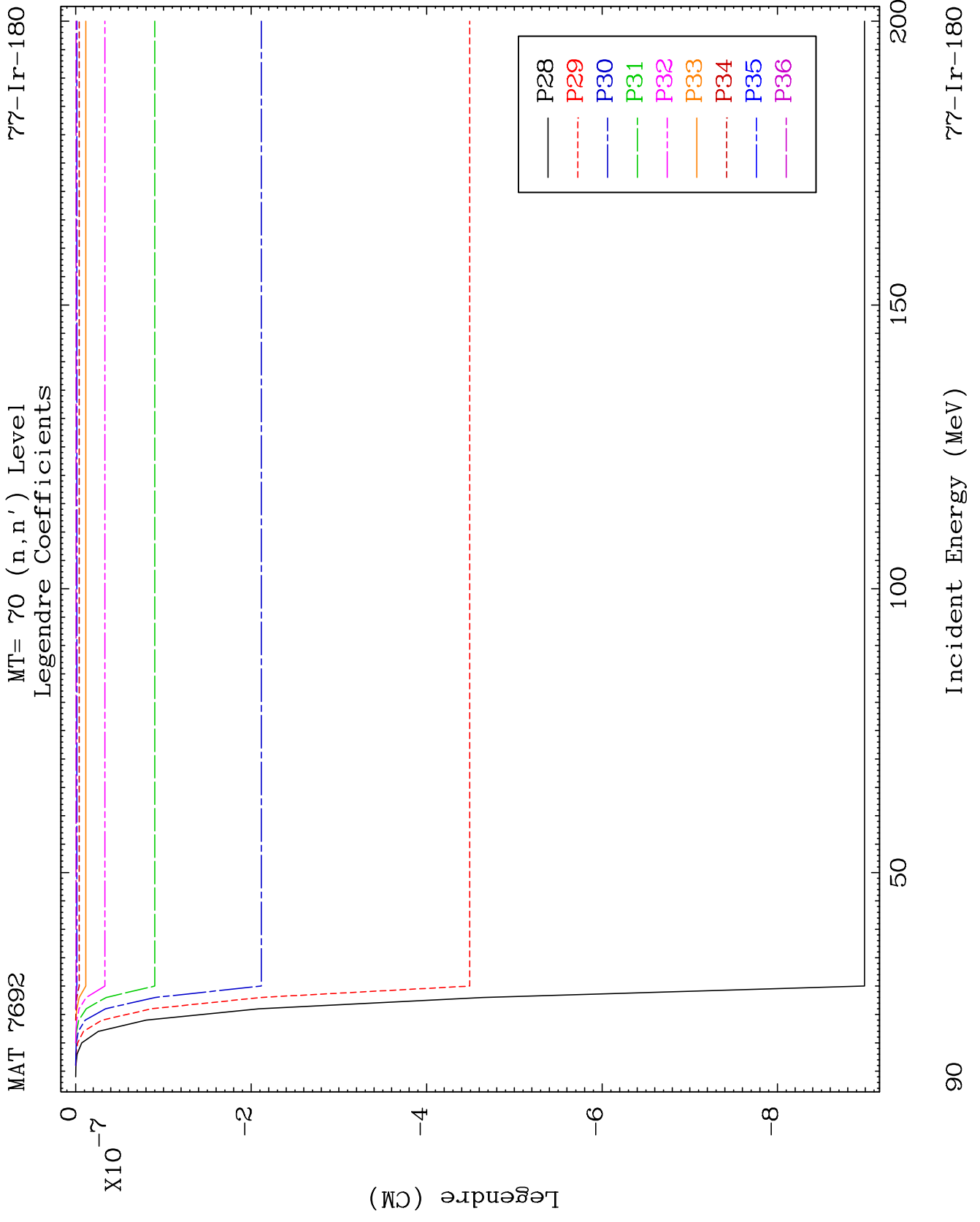
77-Ir-180



89

Incident Energy (MeV)

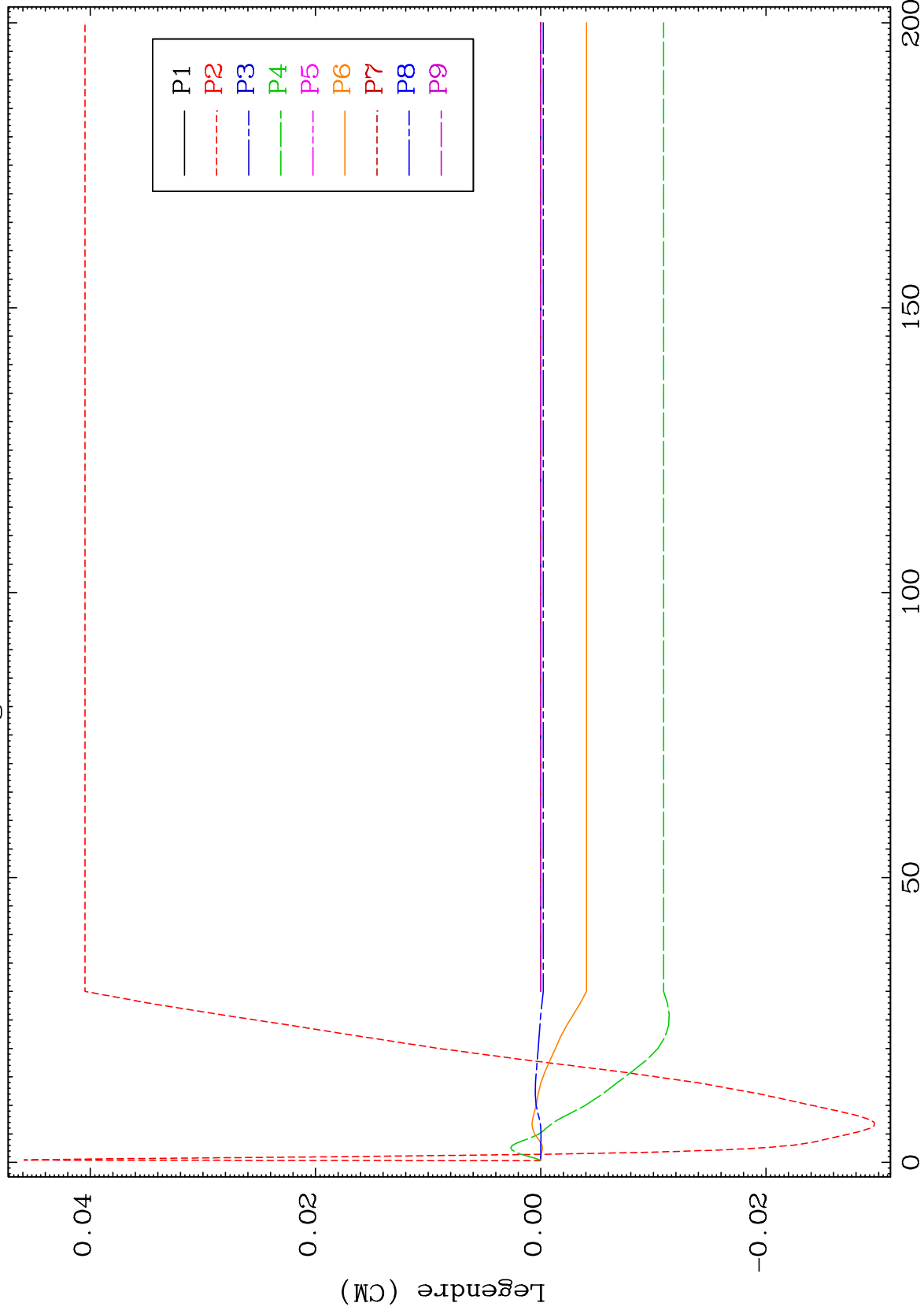
77-Ir-180



MAT 7692

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

77-Ir-180



91

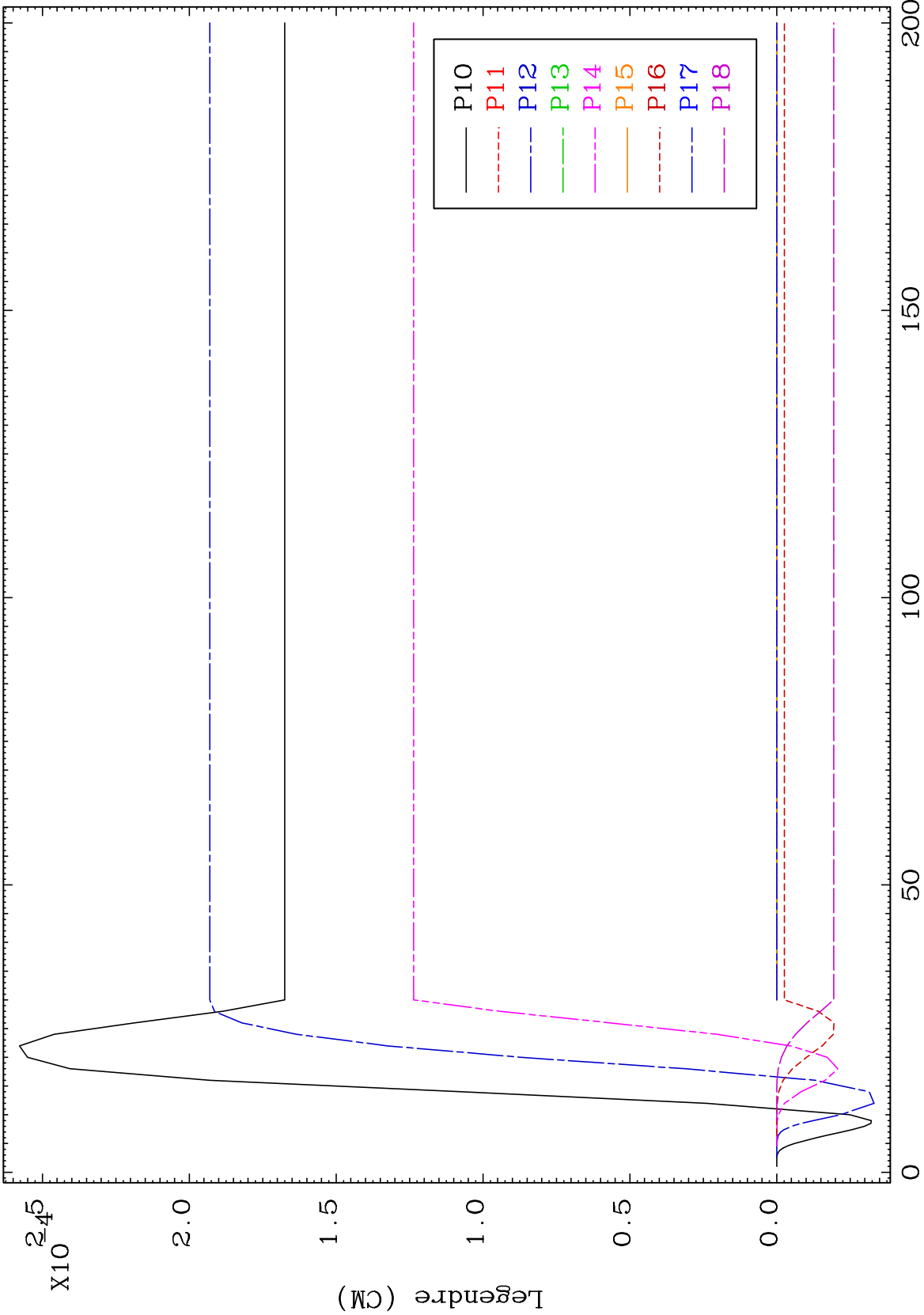
Incident Energy (MeV)

77-Ir-180

MAT 7692

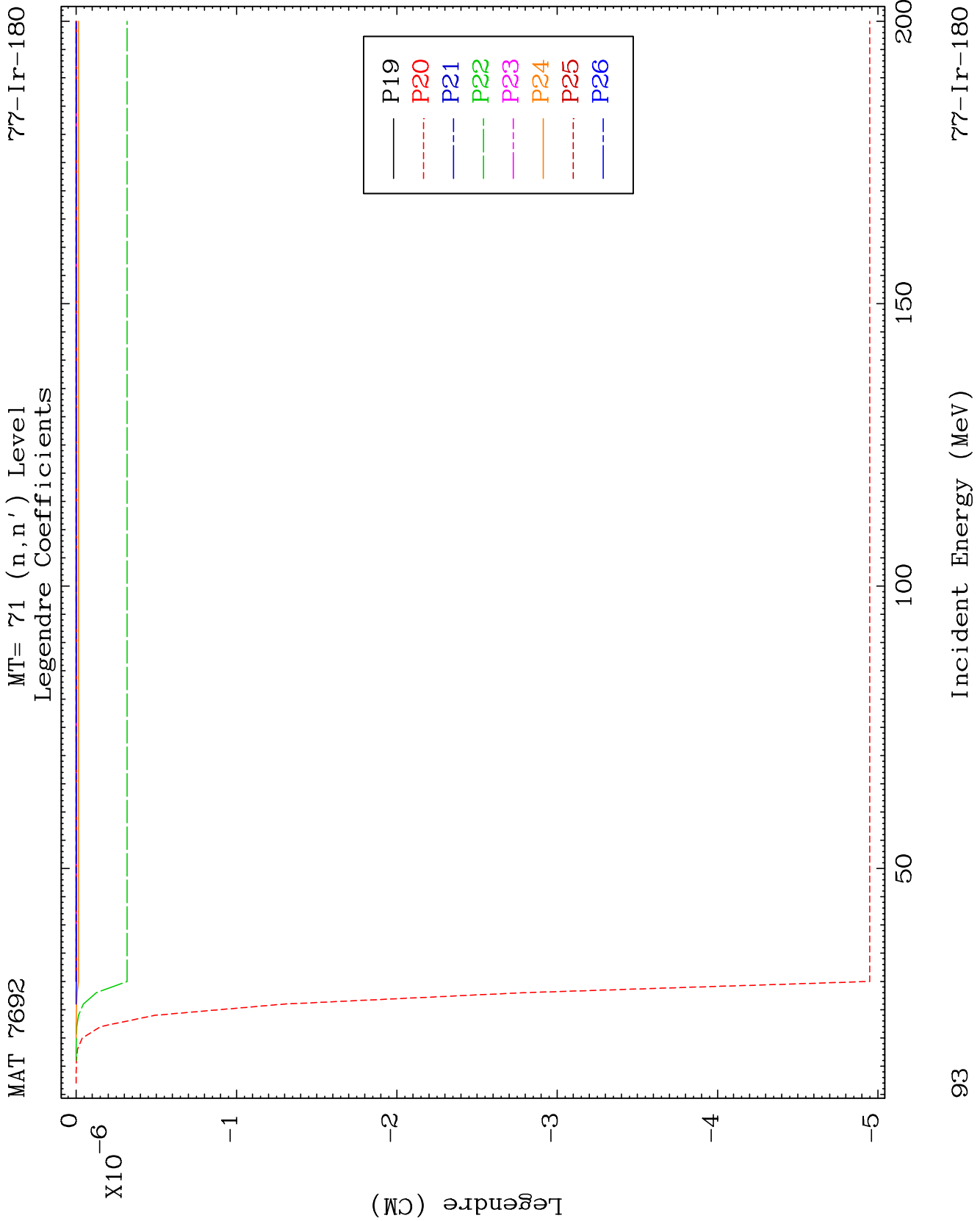
MT= 71 (n,n') Level
Legendre Coefficients

77-Ir-180



92

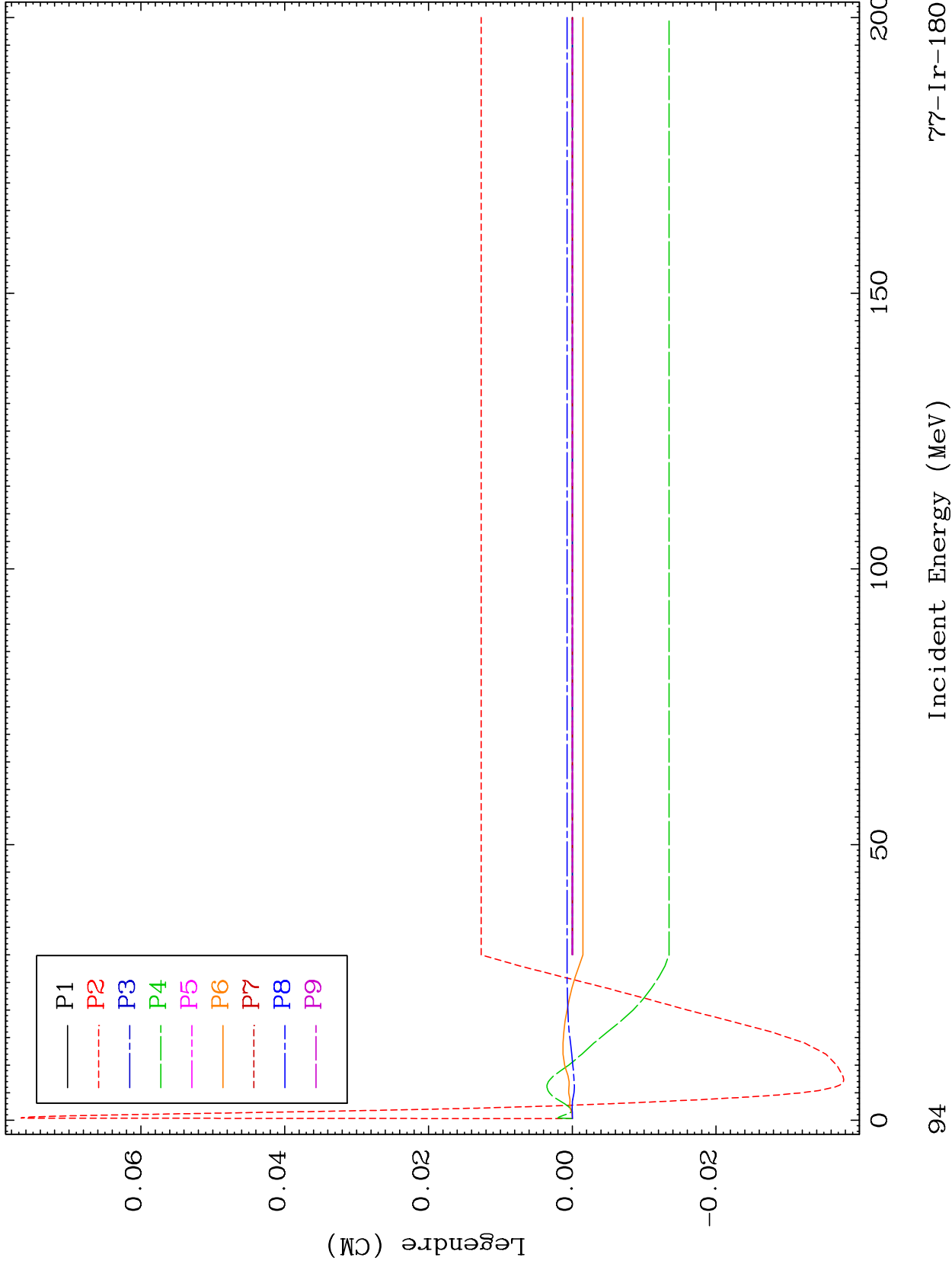
77-Ir-180



MAT 7692

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

77-Ir-180



94

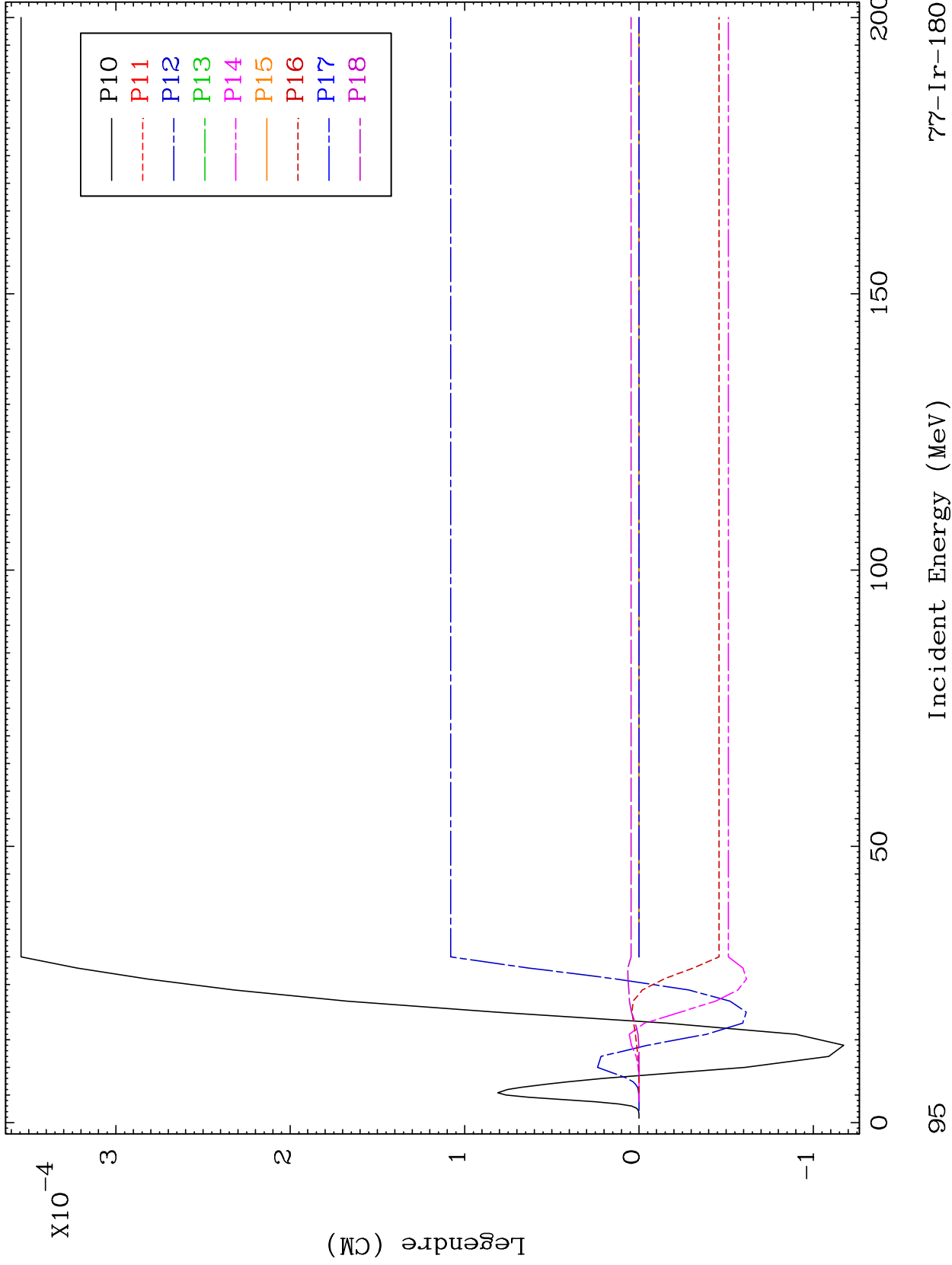
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

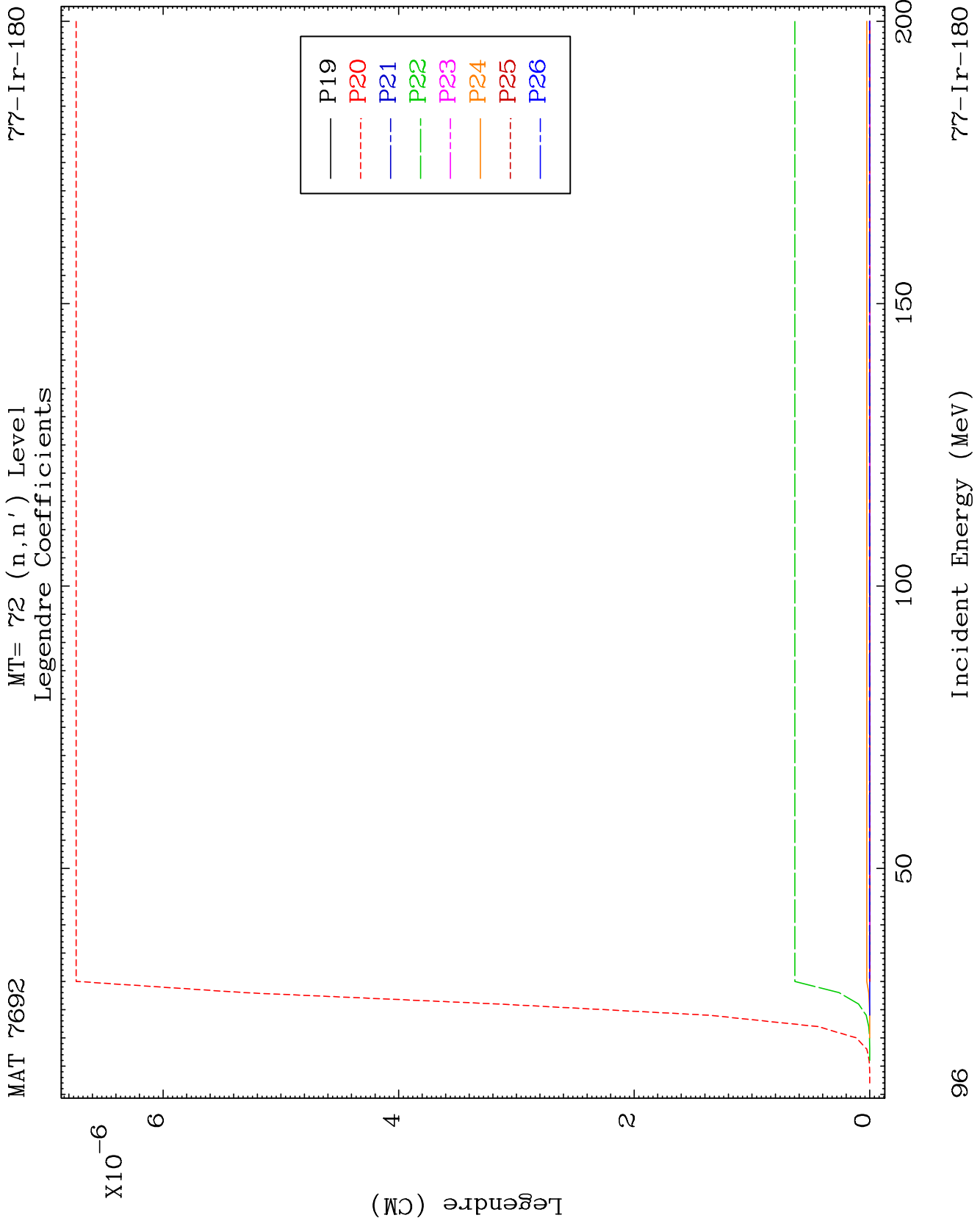
77-Ir-180



77-Ir-180

Incident Energy (MeV)

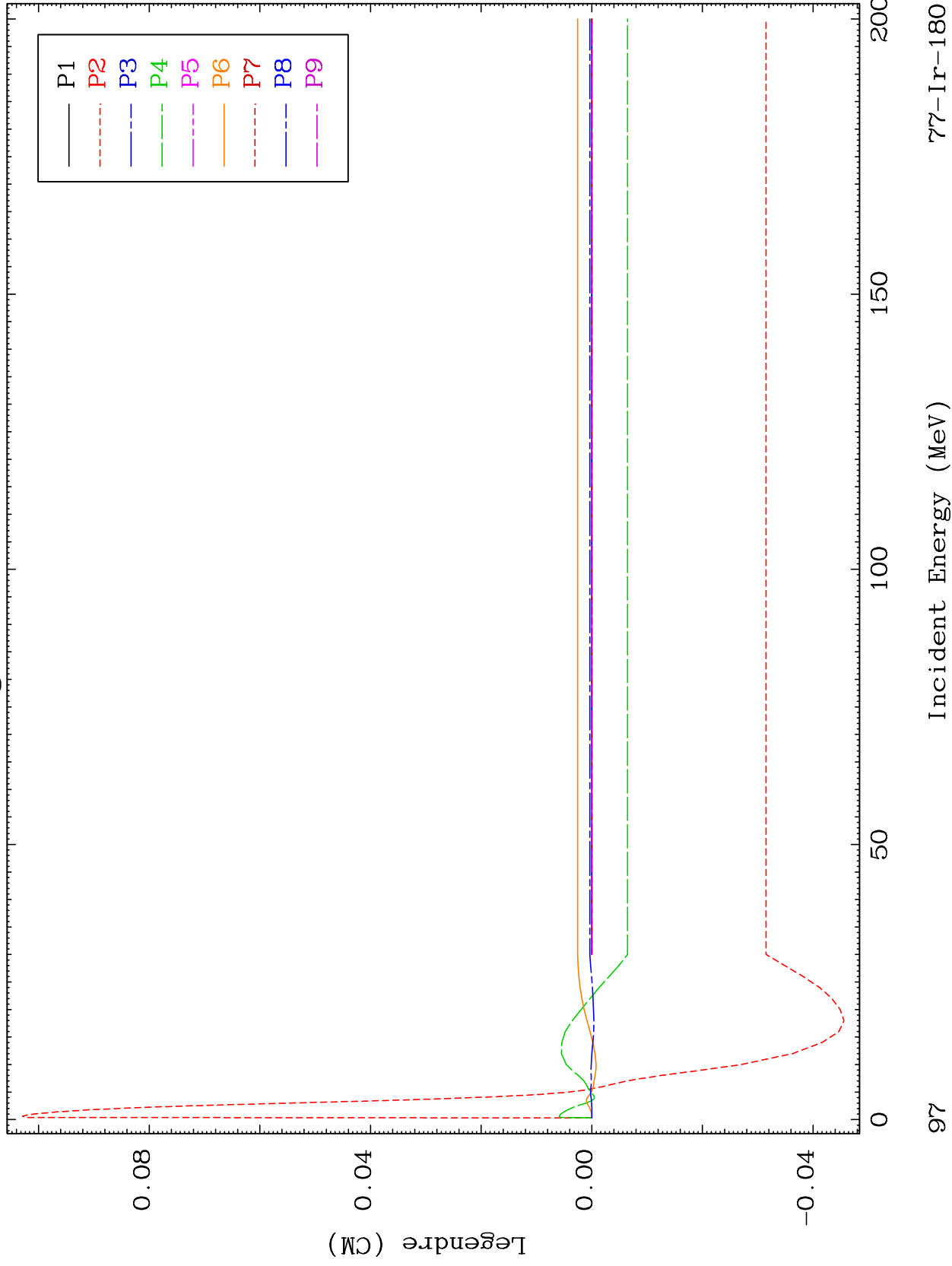
95



MAT 7692

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

77-Ir-180



77-Ir-180

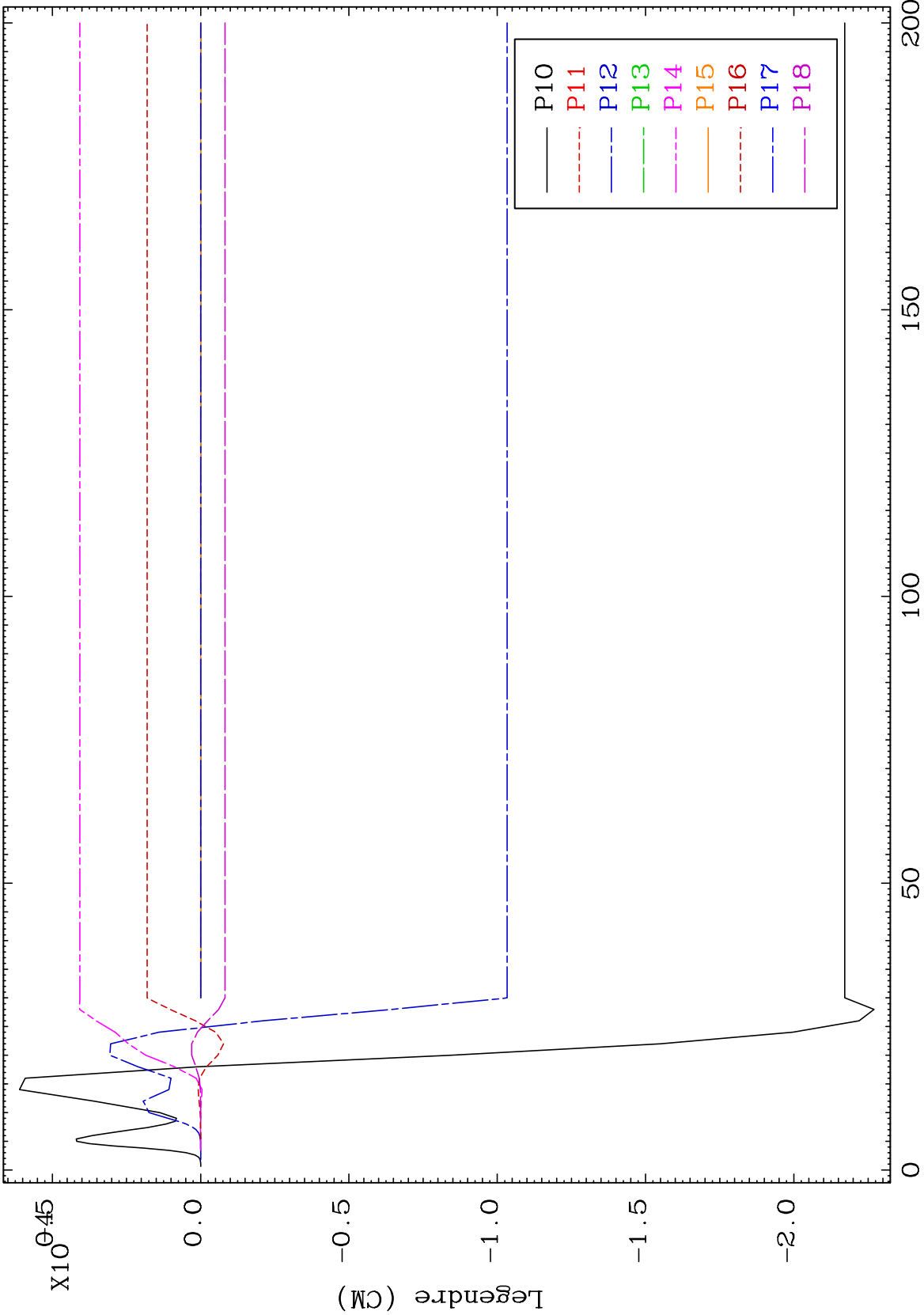
Incident Energy (MeV)

97

MAT 7692

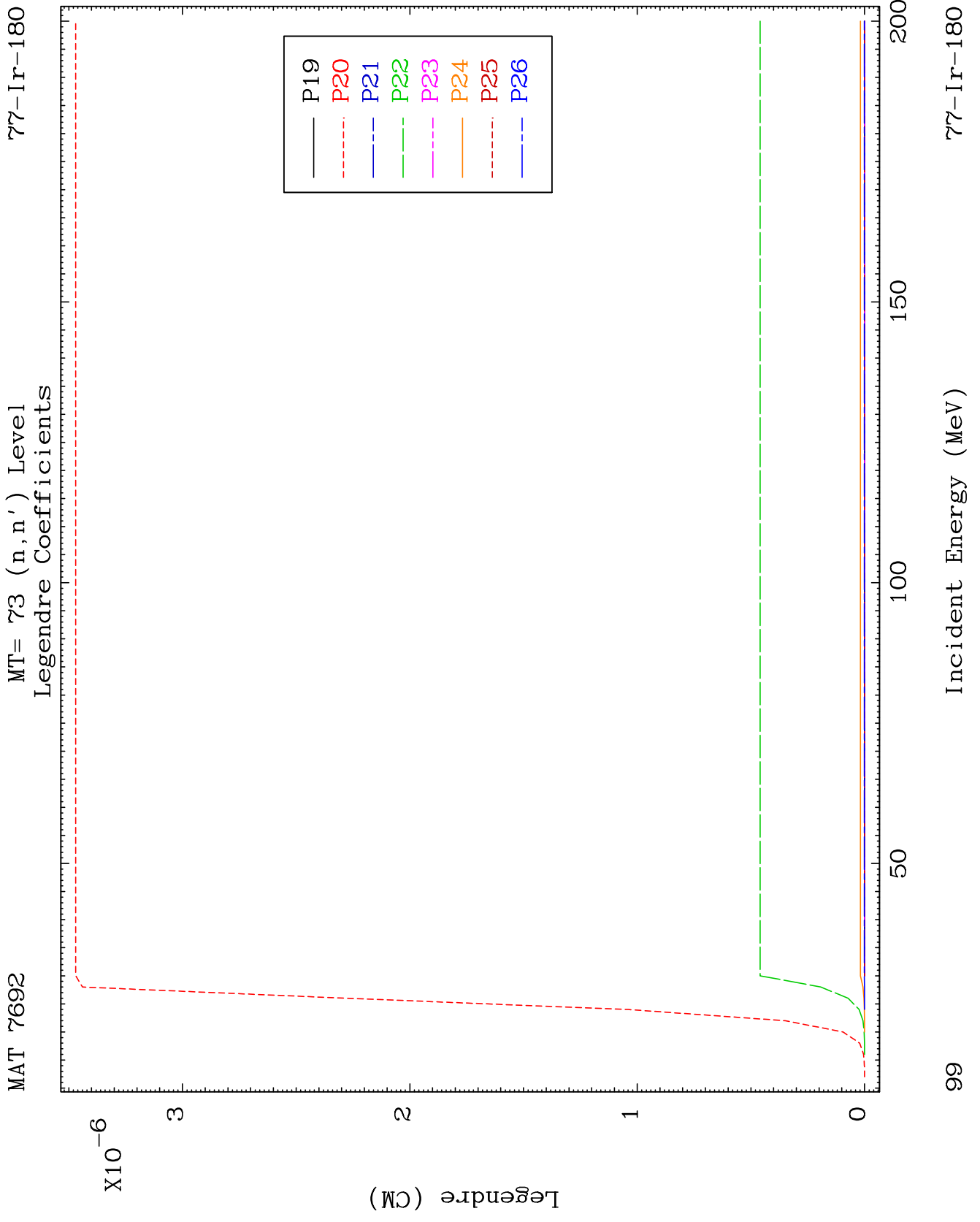
MT= 73 (n,n') Level
Legendre Coefficients

77-Ir-180



98

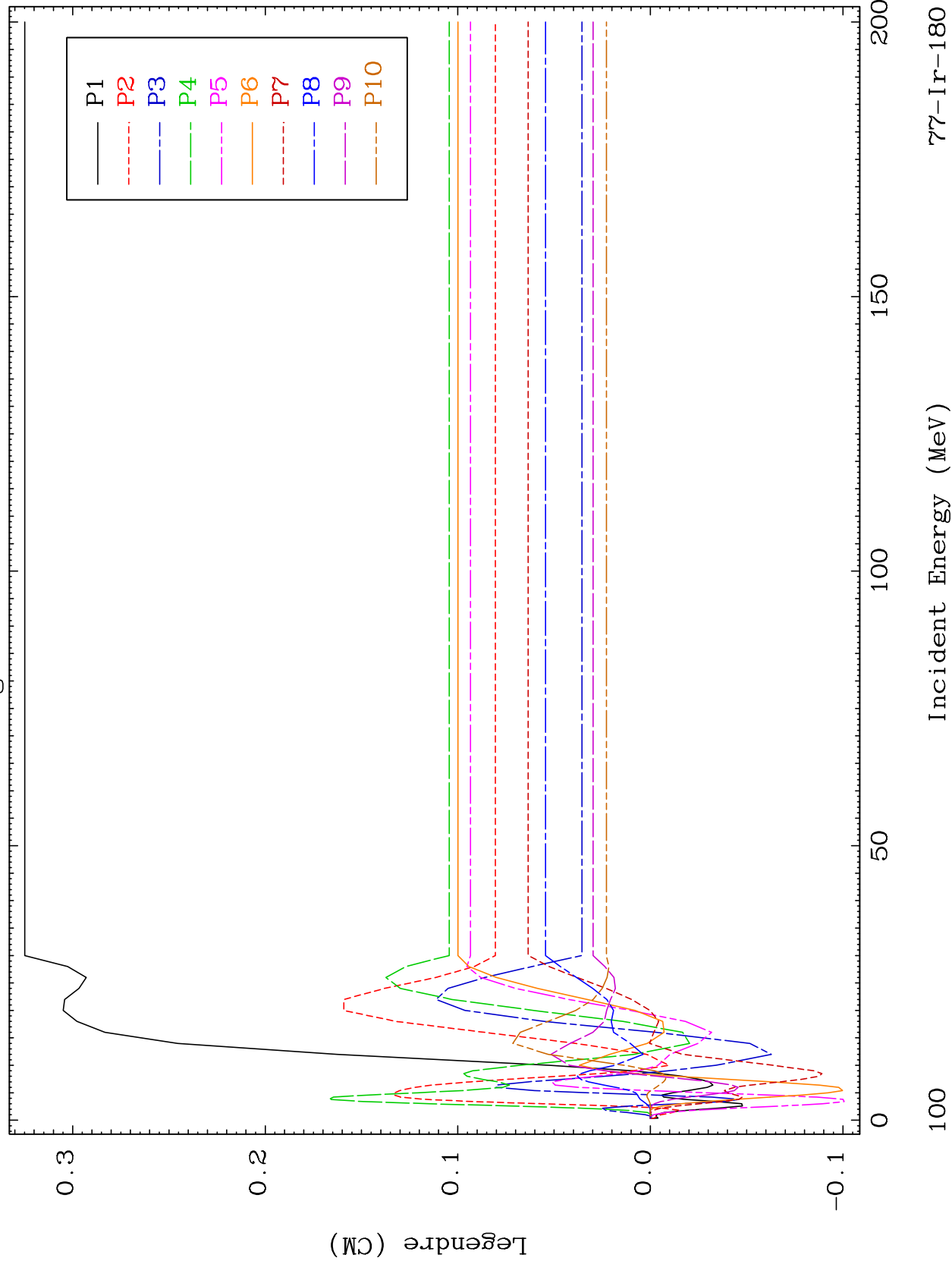
77-Ir-180



MAT 7692

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

77-Ir-180

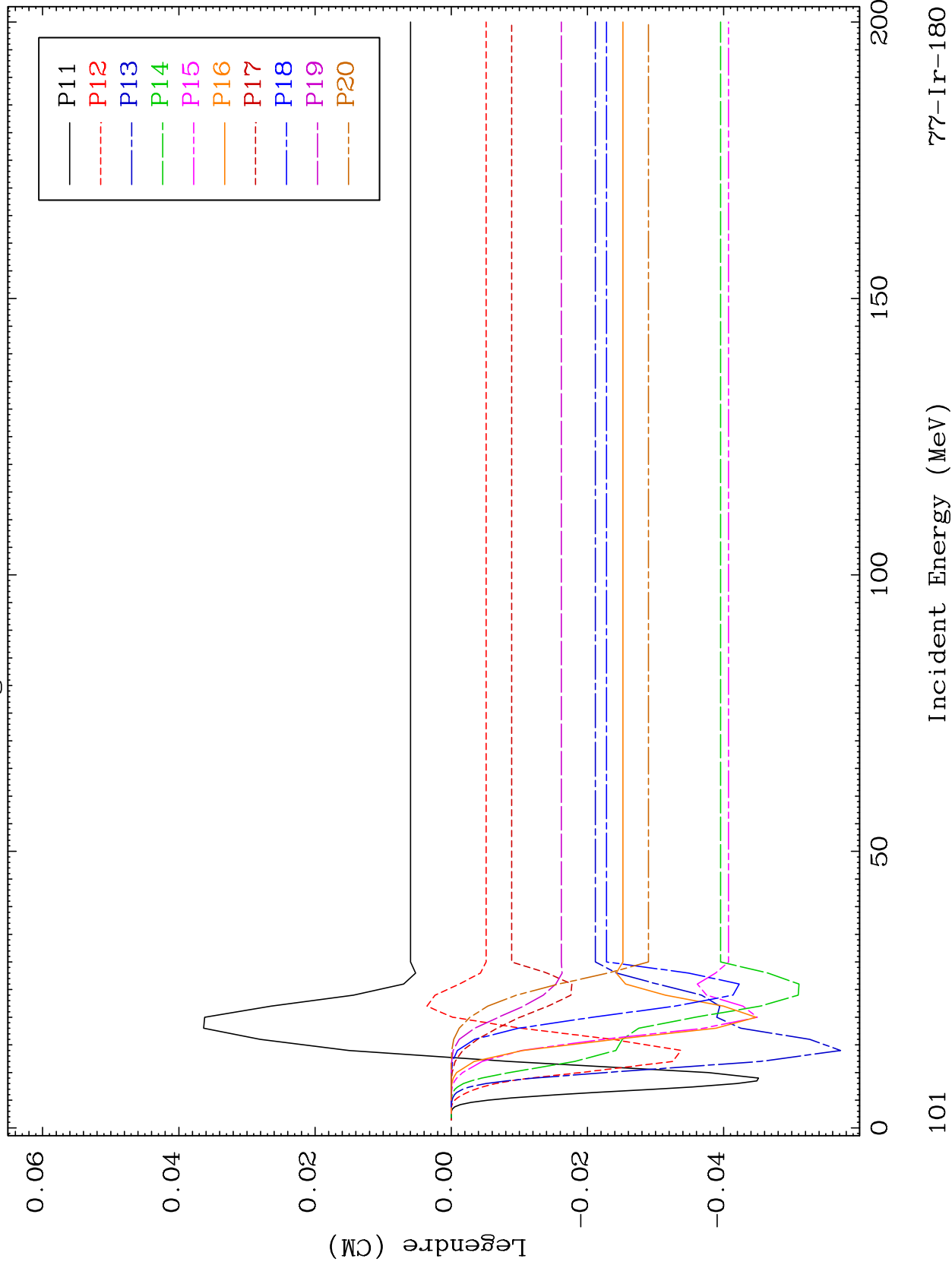


77-Ir-180

MAT 7692

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

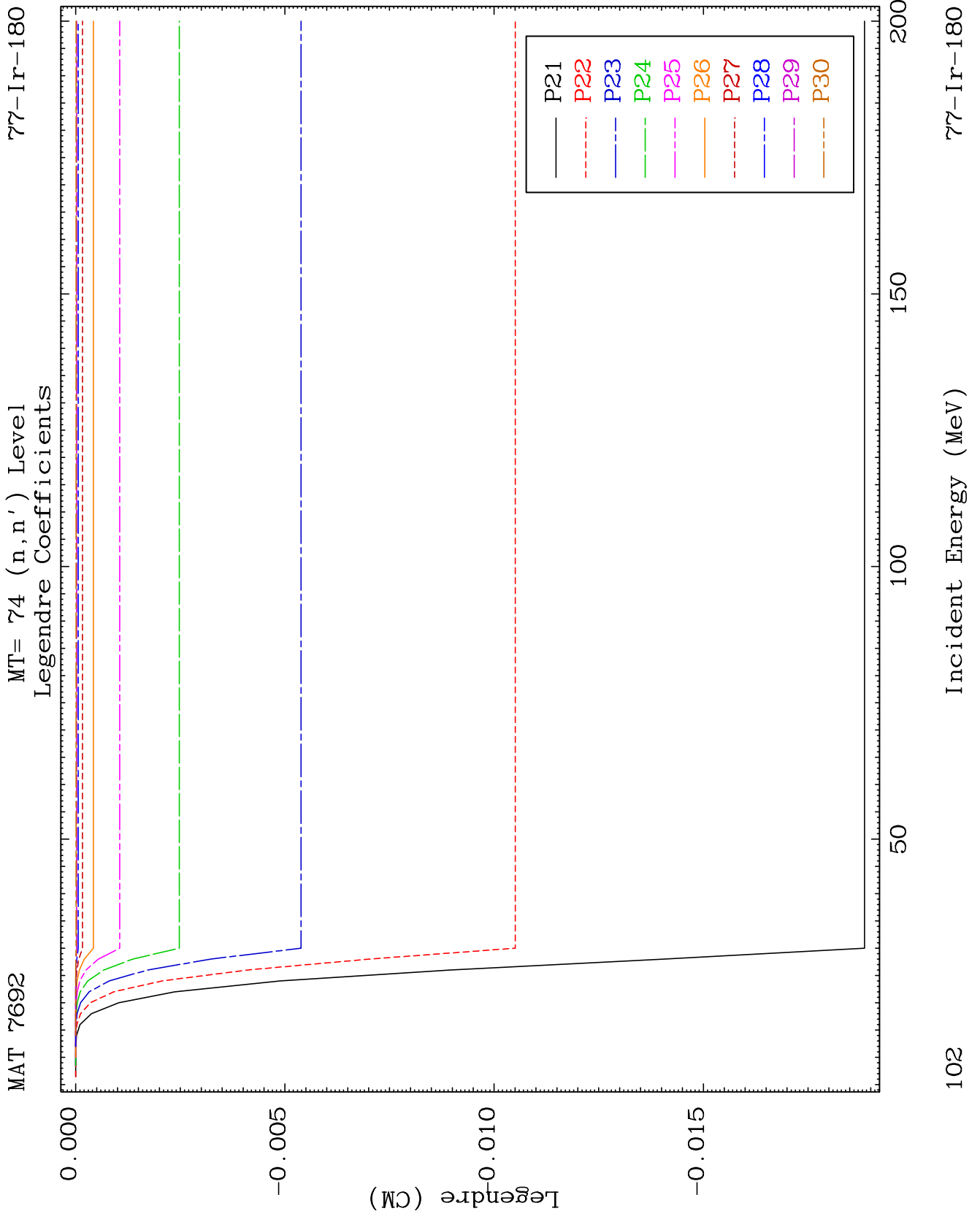
77-Ir-180

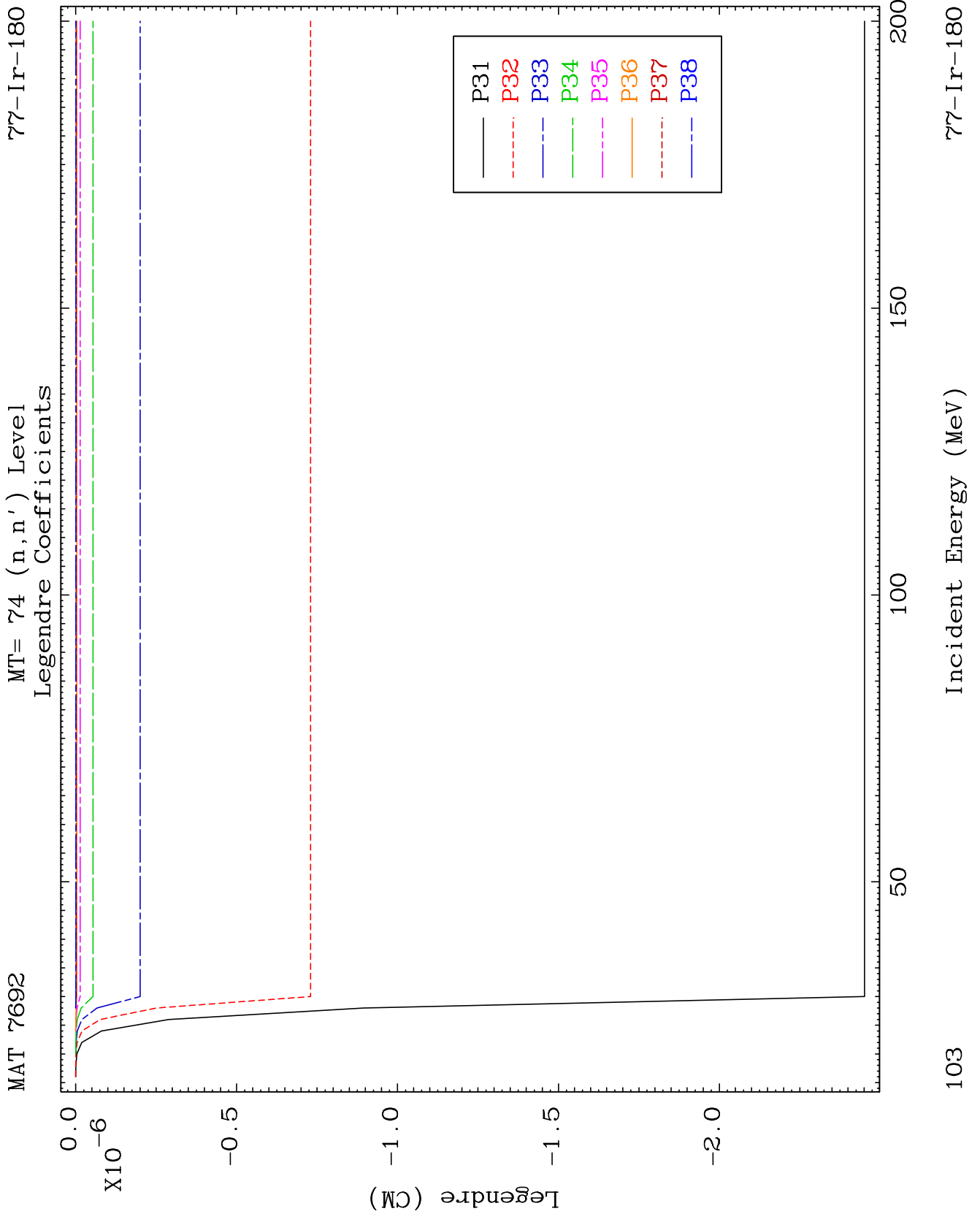


77-Ir-180

Incident Energy (MeV)

101

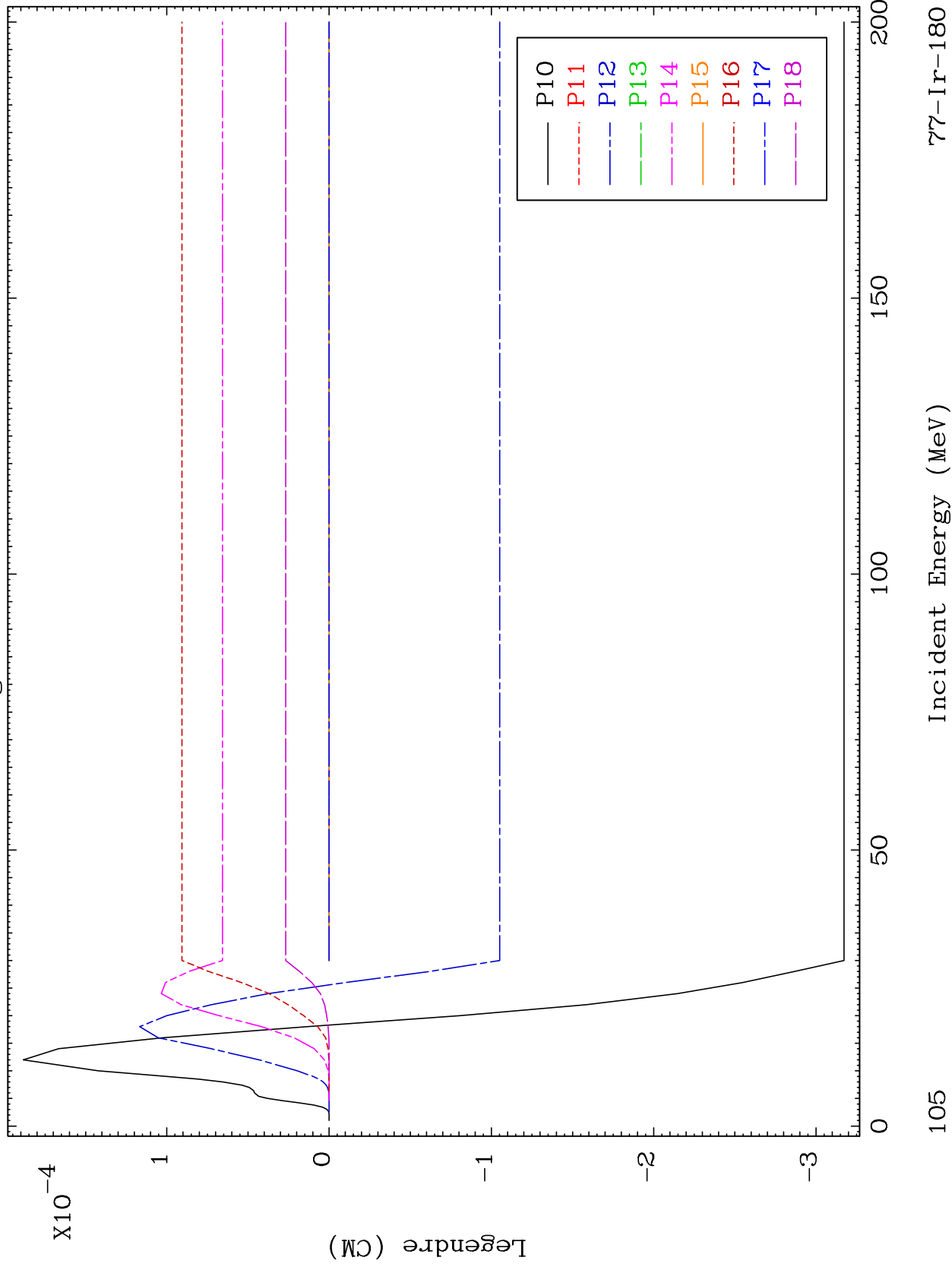




MAT 7692

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

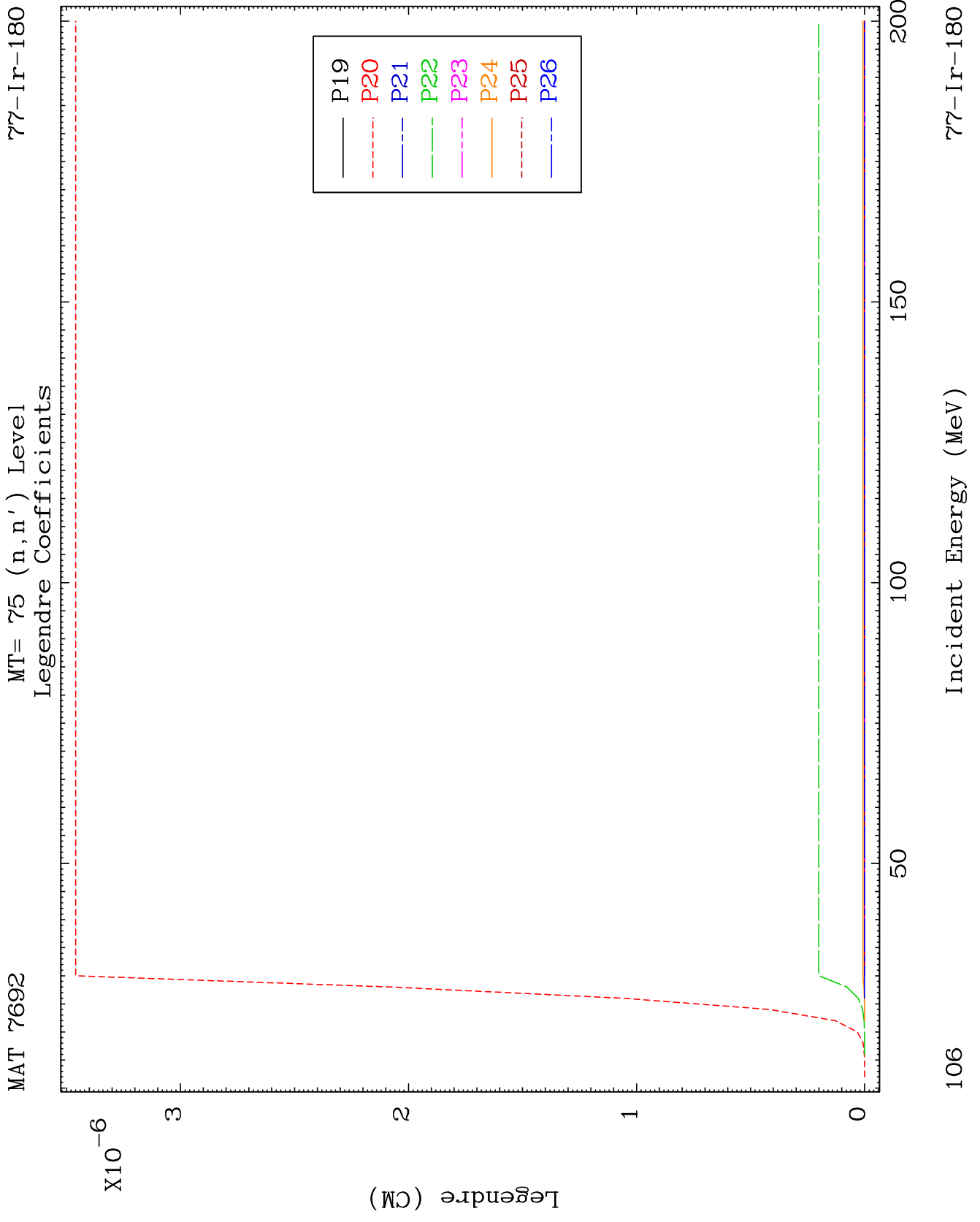
77-Ir-180



105

Incident Energy (MeV)

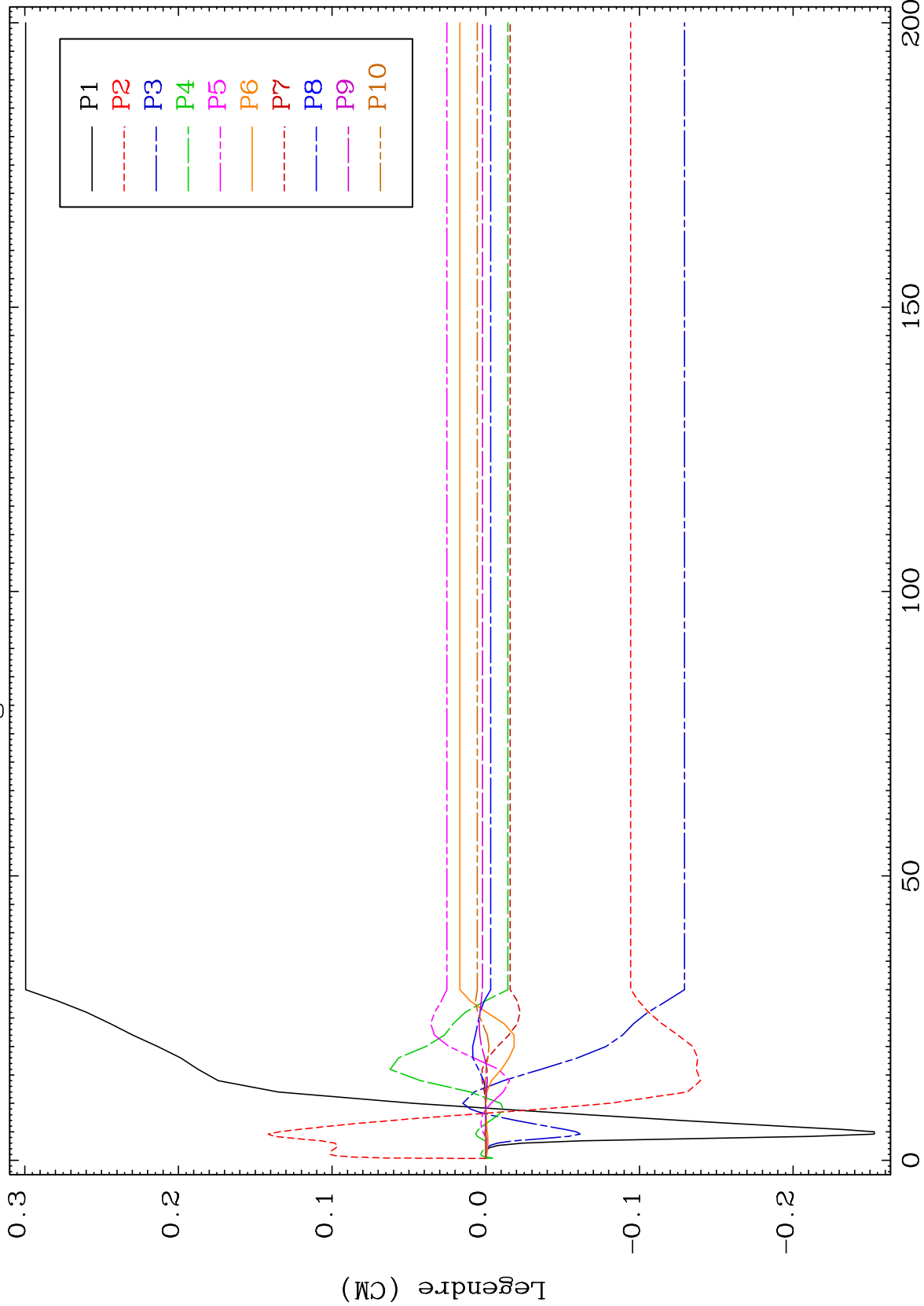
77-Ir-180



MAT 7692

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

77-Ir-180



77-Ir-180

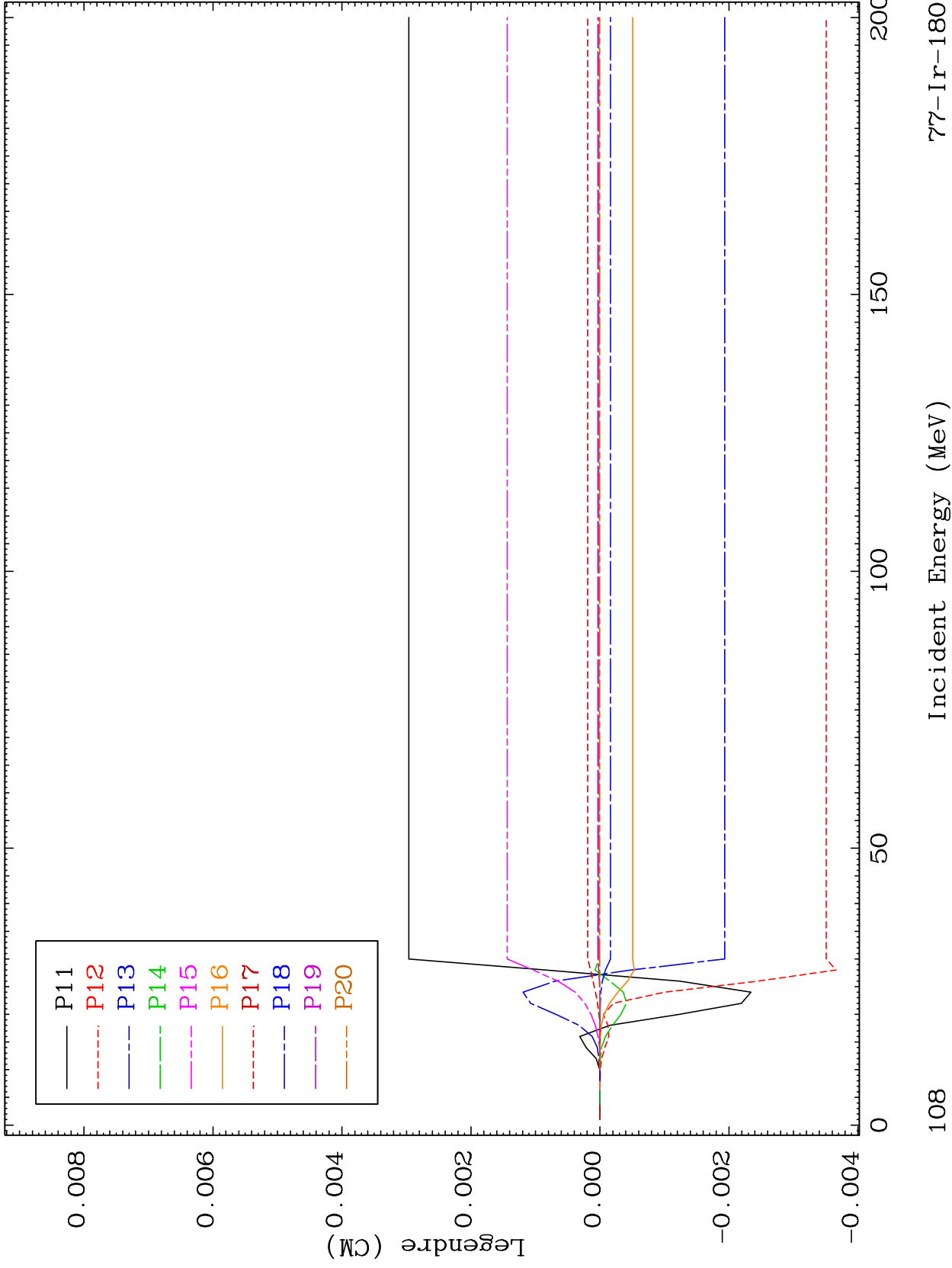
Incident Energy (MeV)

107

MAT 7692

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

77-Ir-180



108

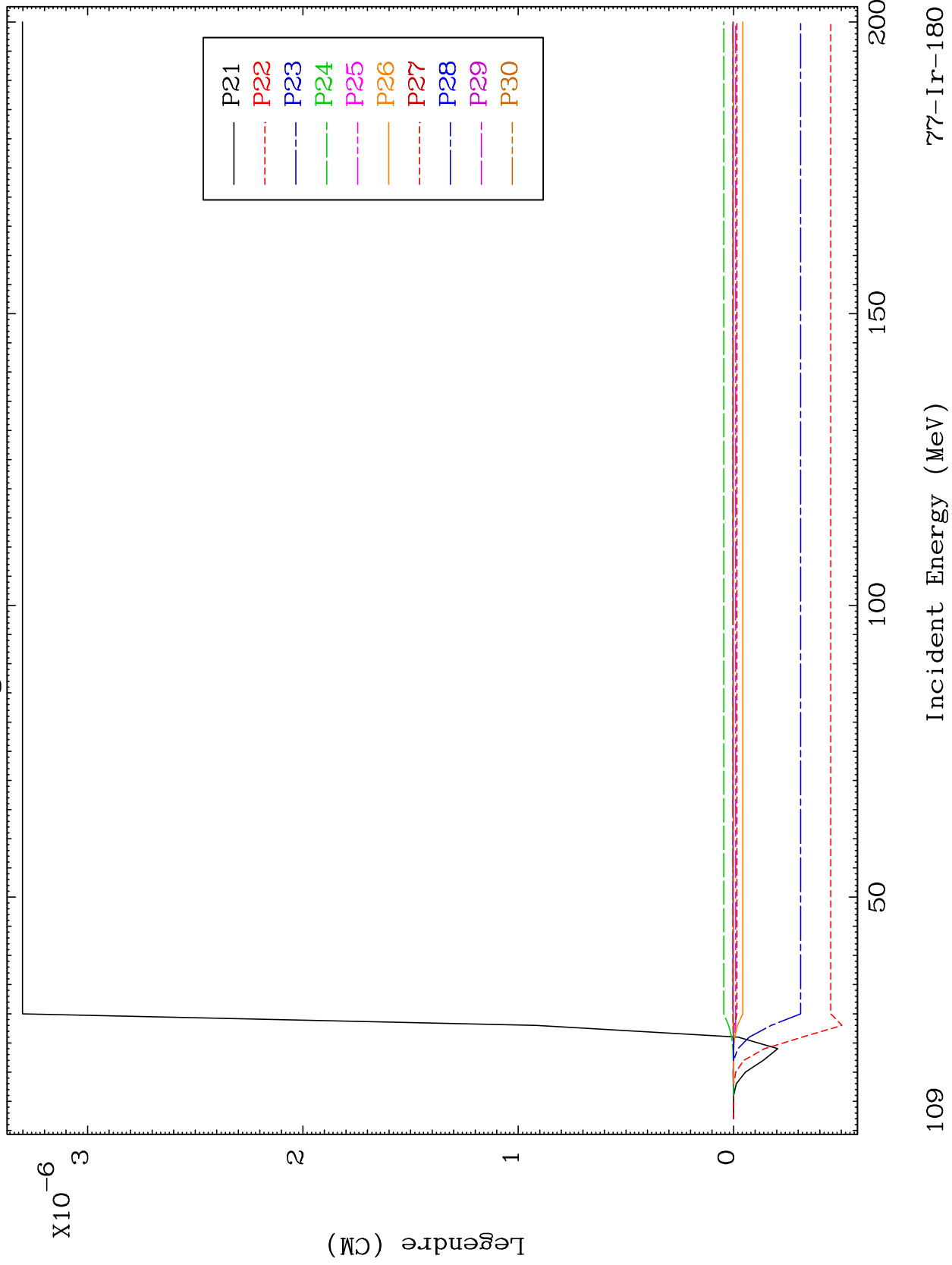
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



109

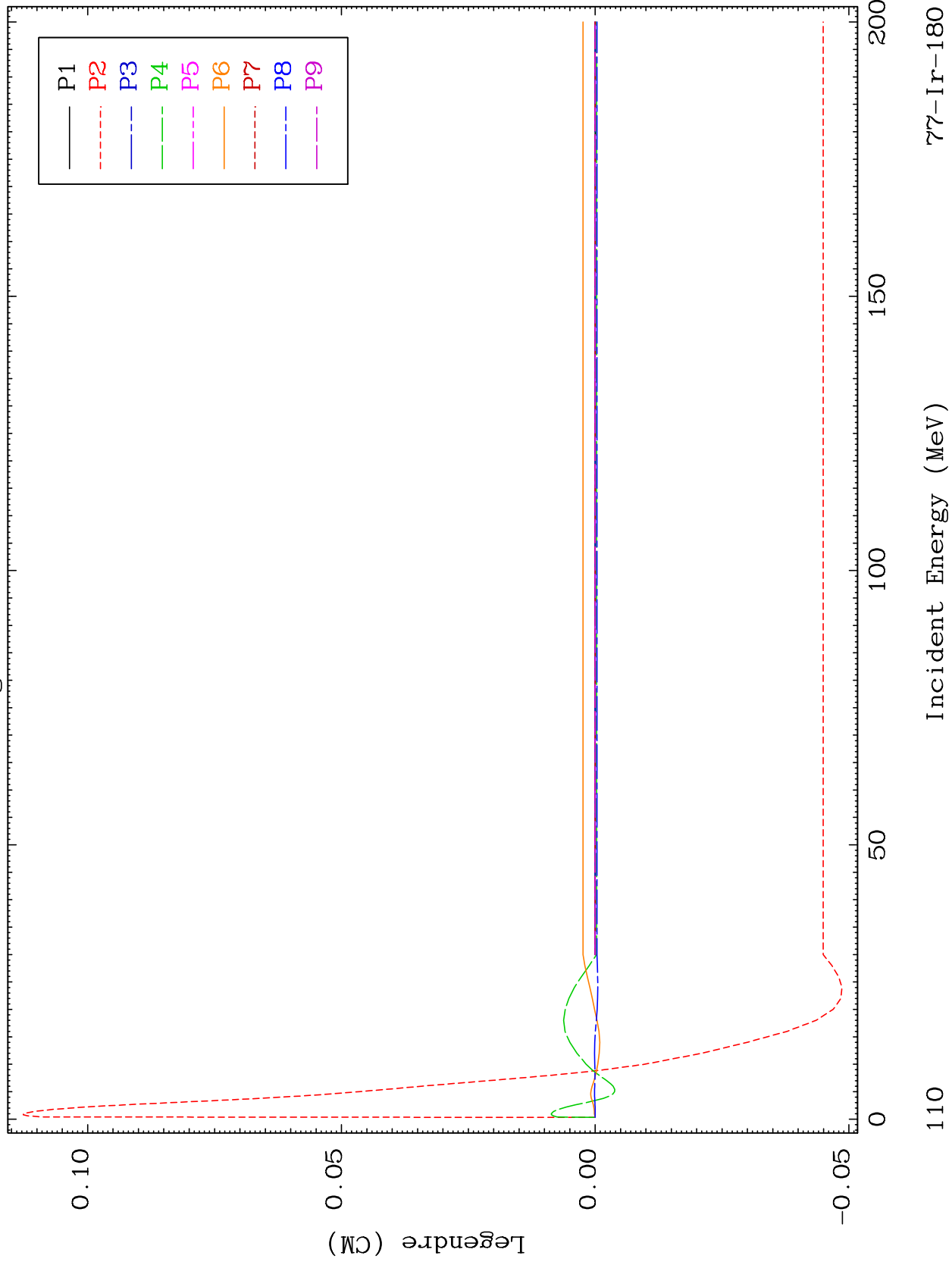
Incident Energy (MeV)

77-Ir-180

MAT 7692

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

77-Ir-180



77-Ir-180

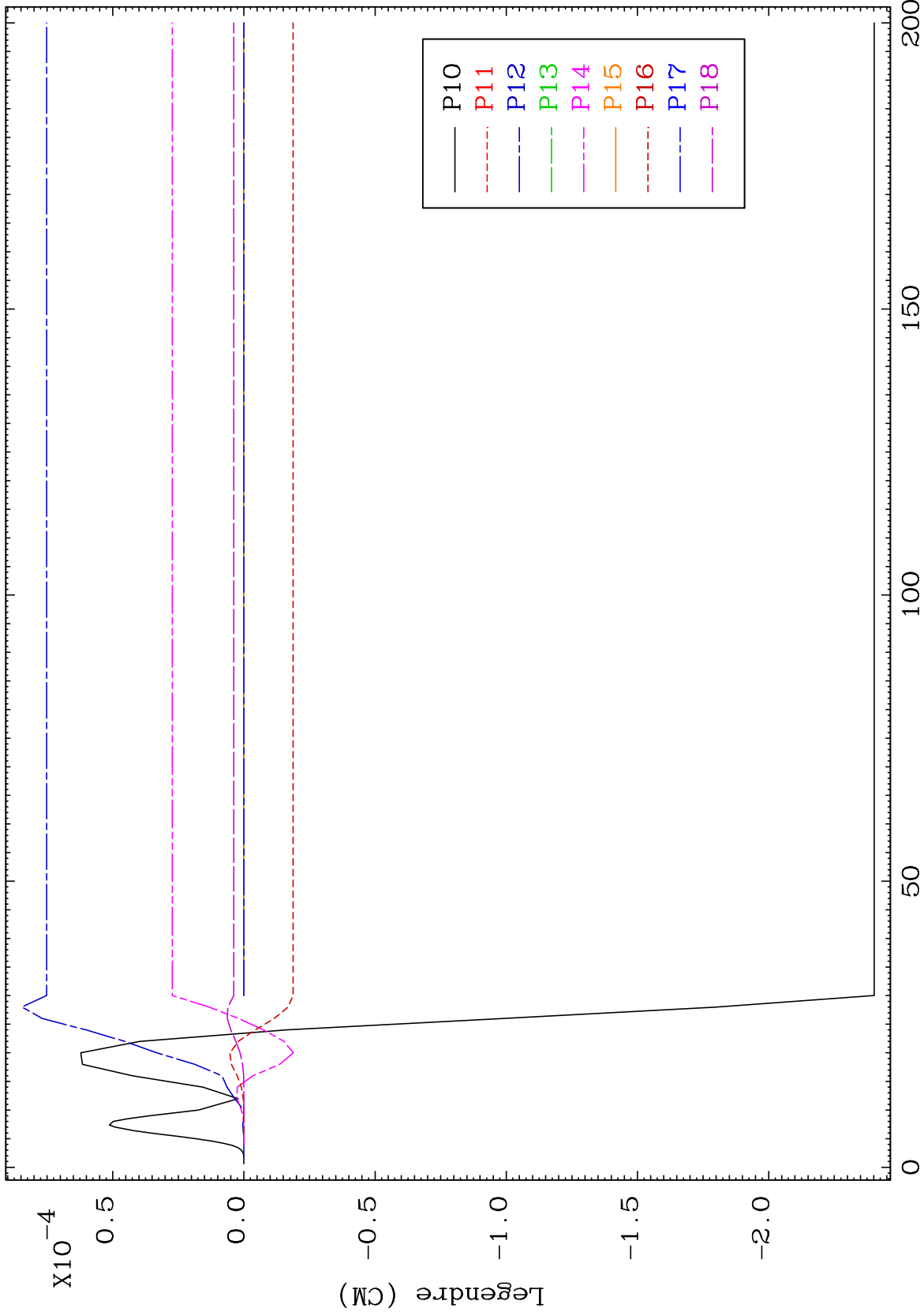
Incident Energy (MeV)

110

MAT 7692

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

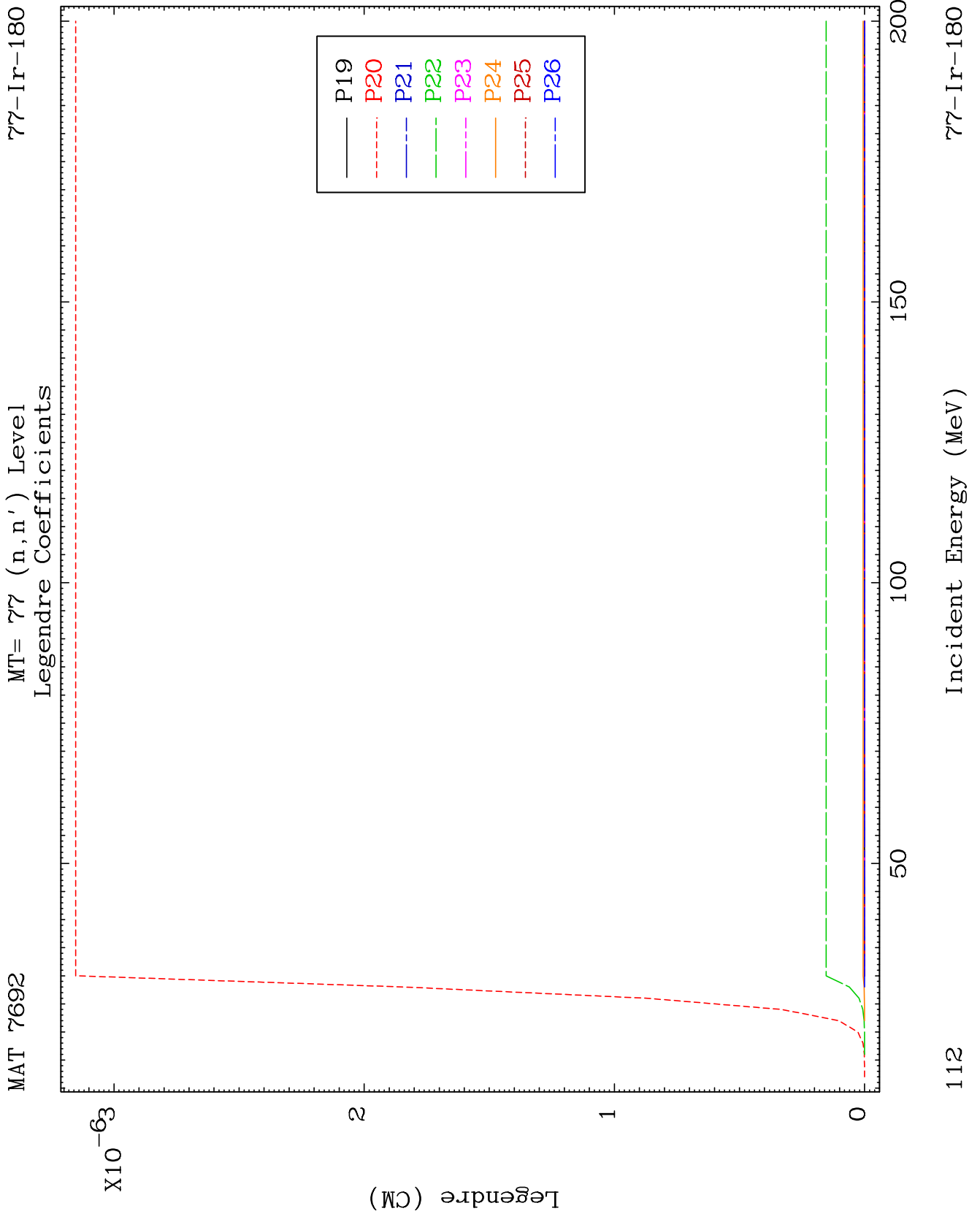
77-Ir-180



111

Incident Energy (MeV)

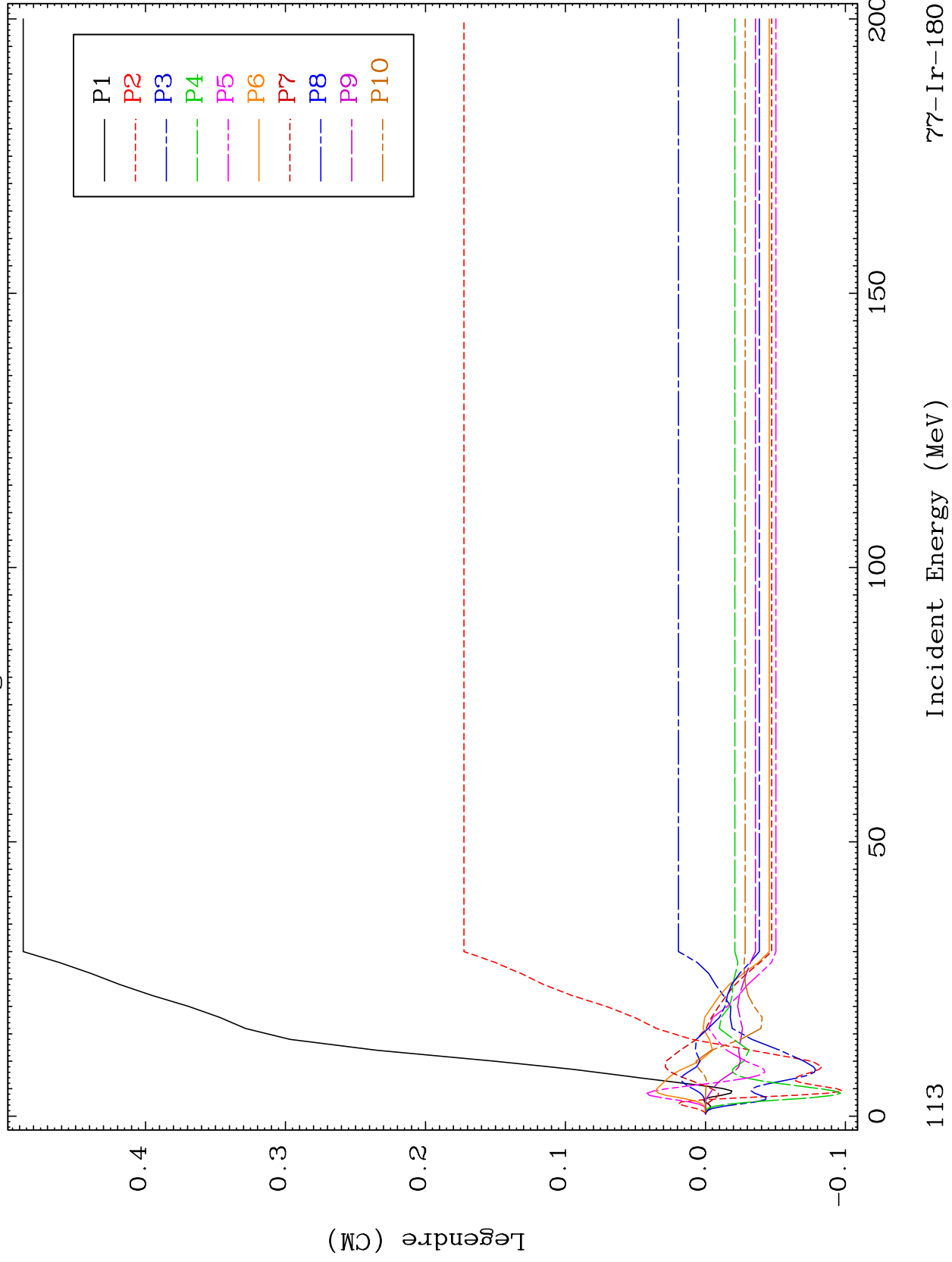
77-Ir-180



MAT 7692

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

77-Ir-180



77-Ir-180

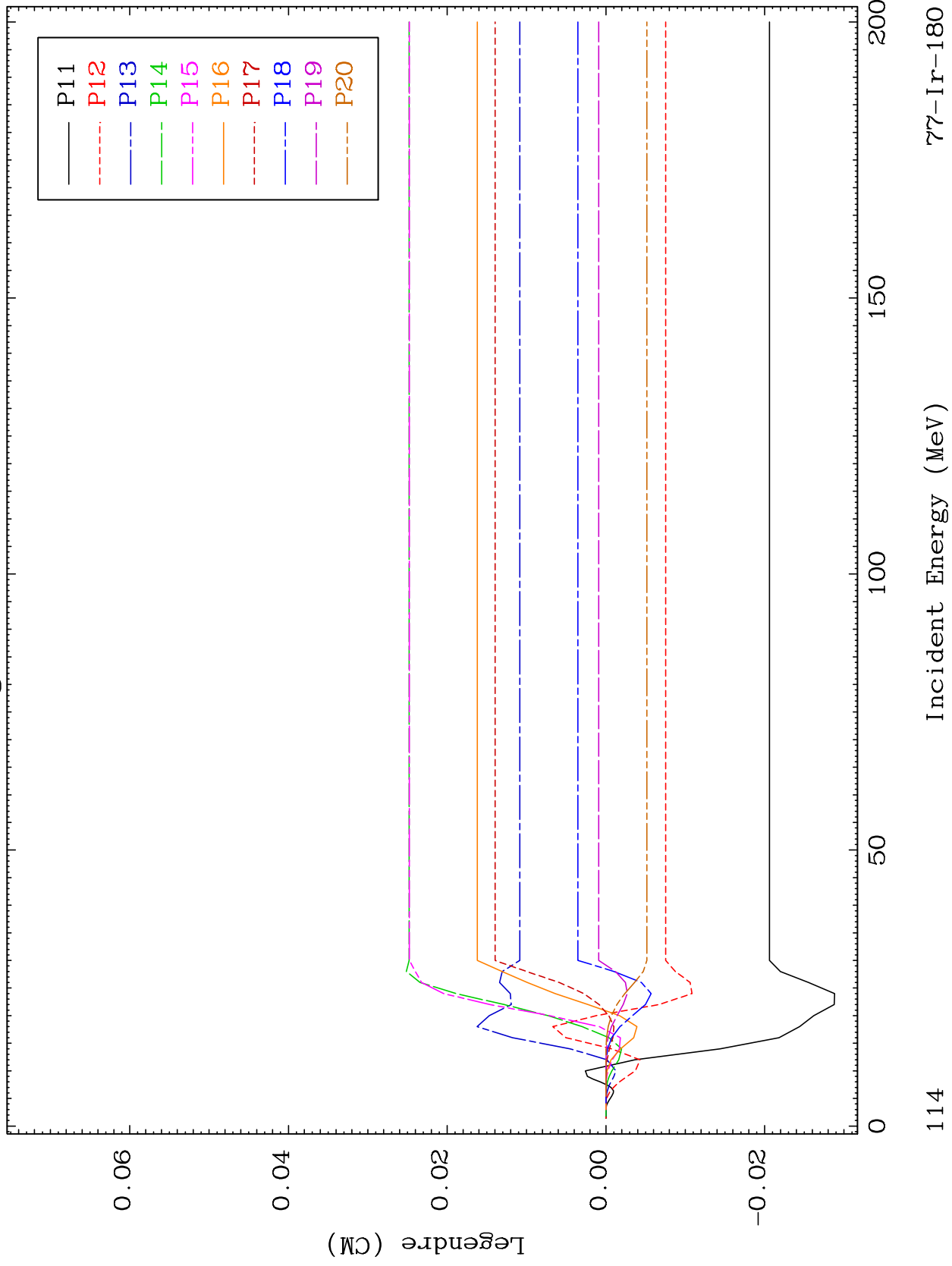
Incident Energy (MeV)

113

MAT 7692

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

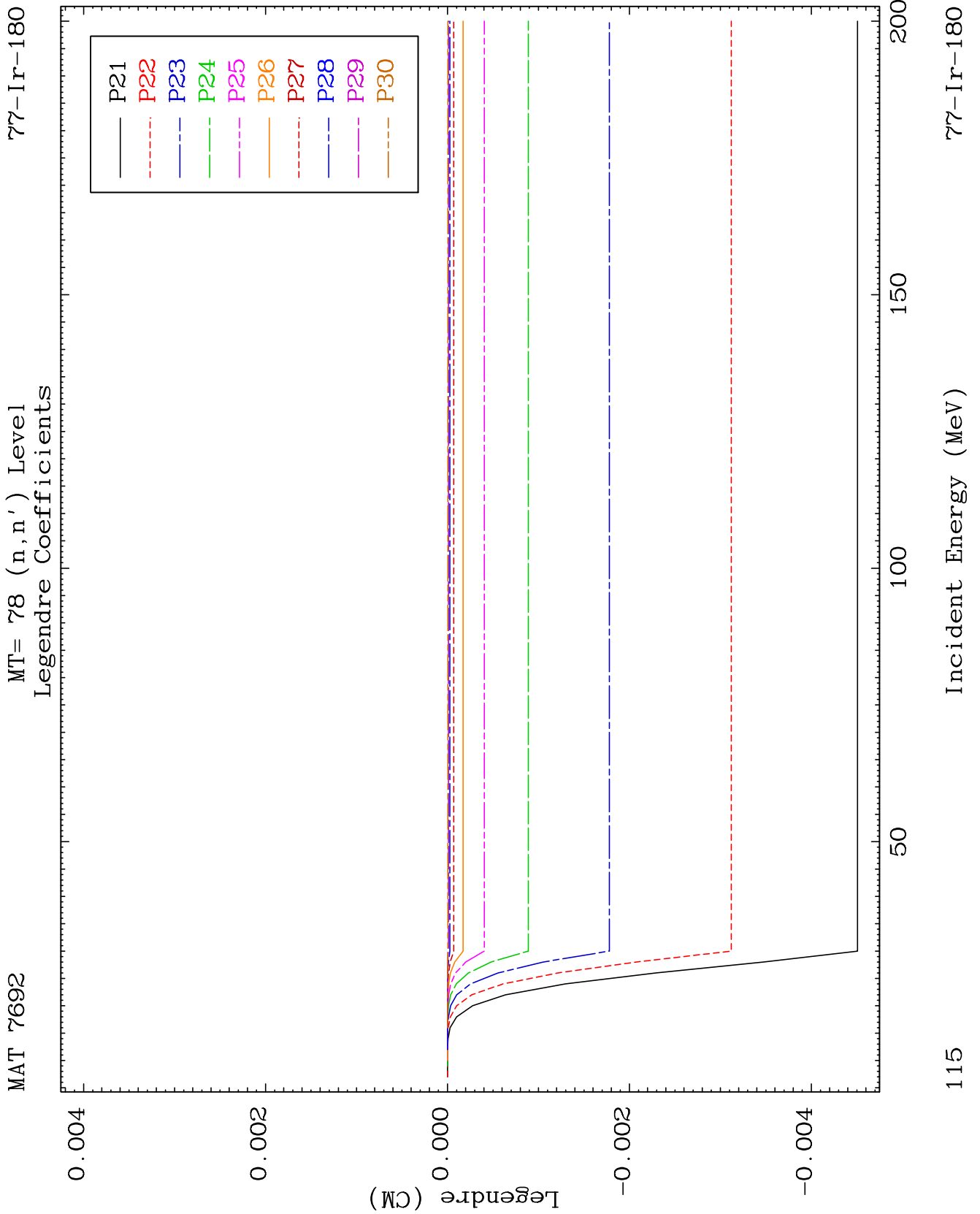
77-Ir-180

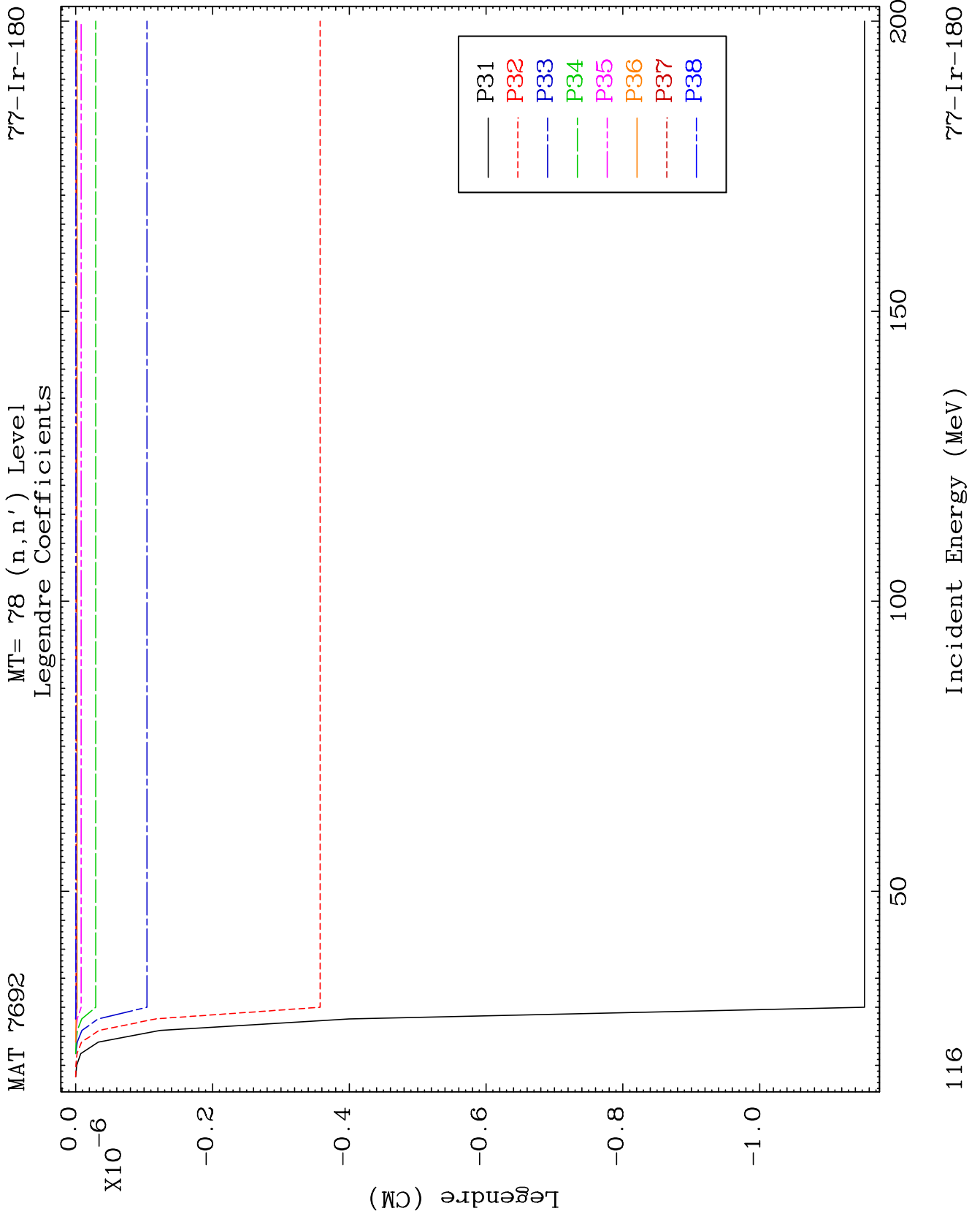


114

Incident Energy (MeV)

77-Ir-180

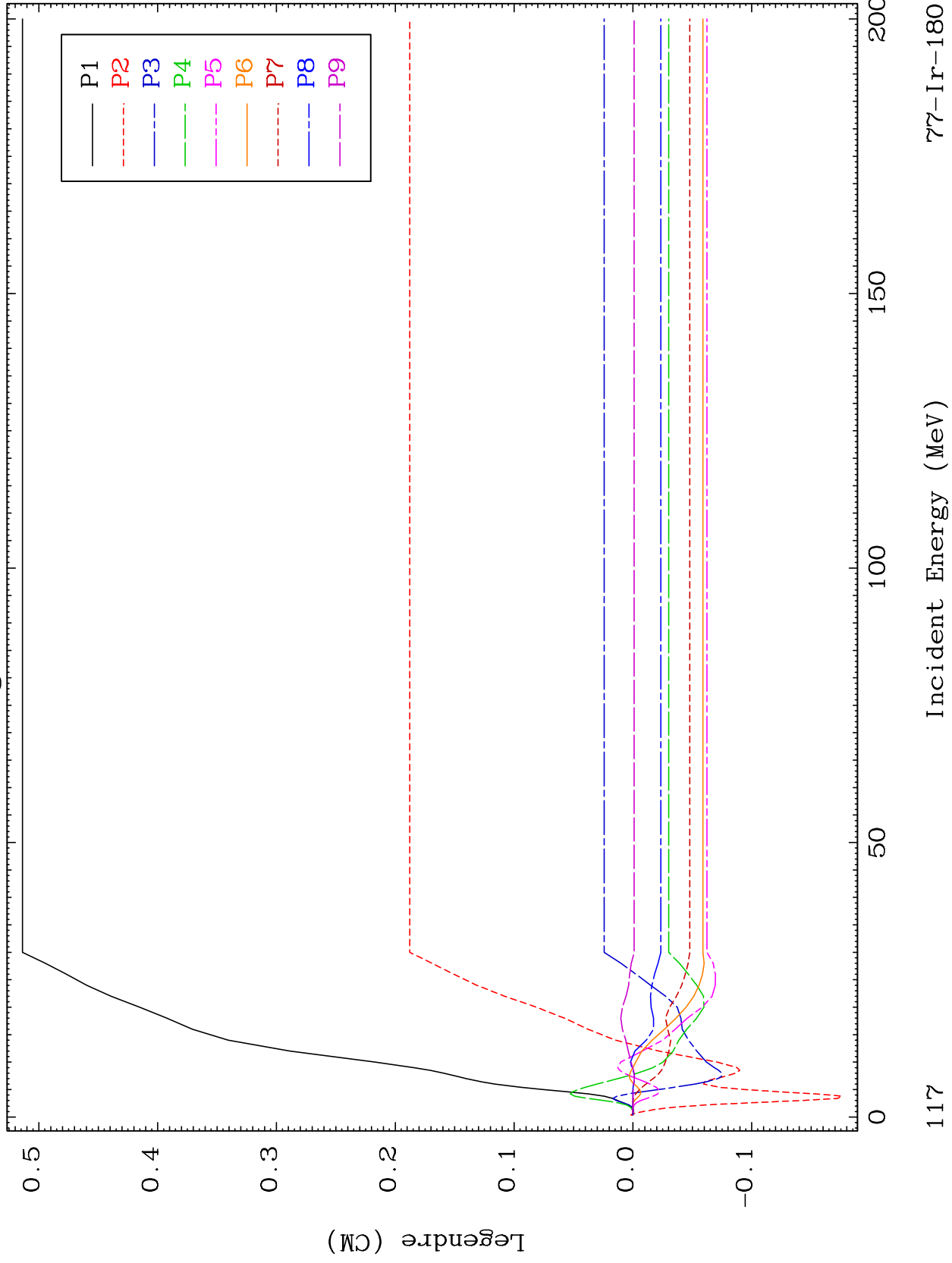




MAT 7692

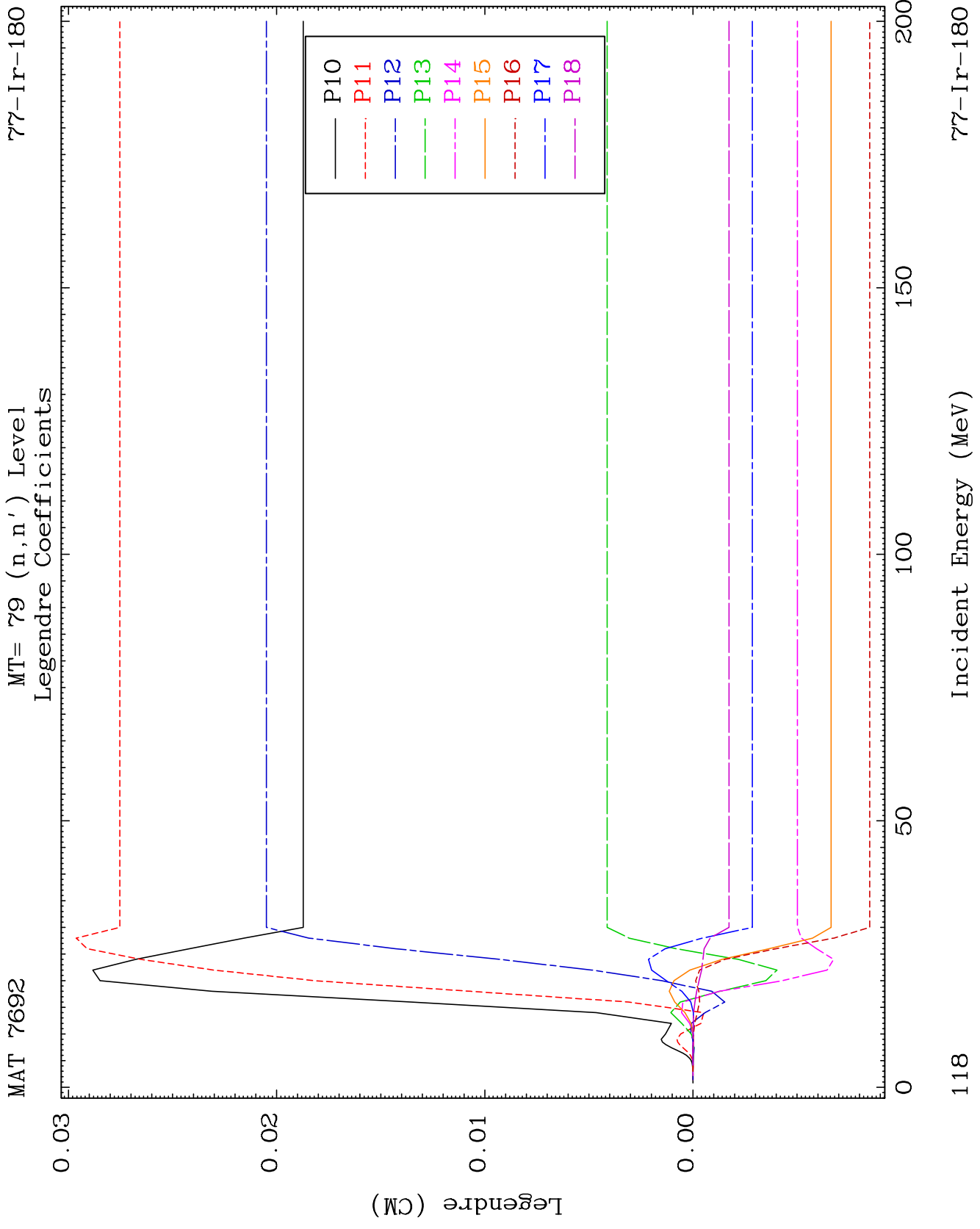
MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-180



117

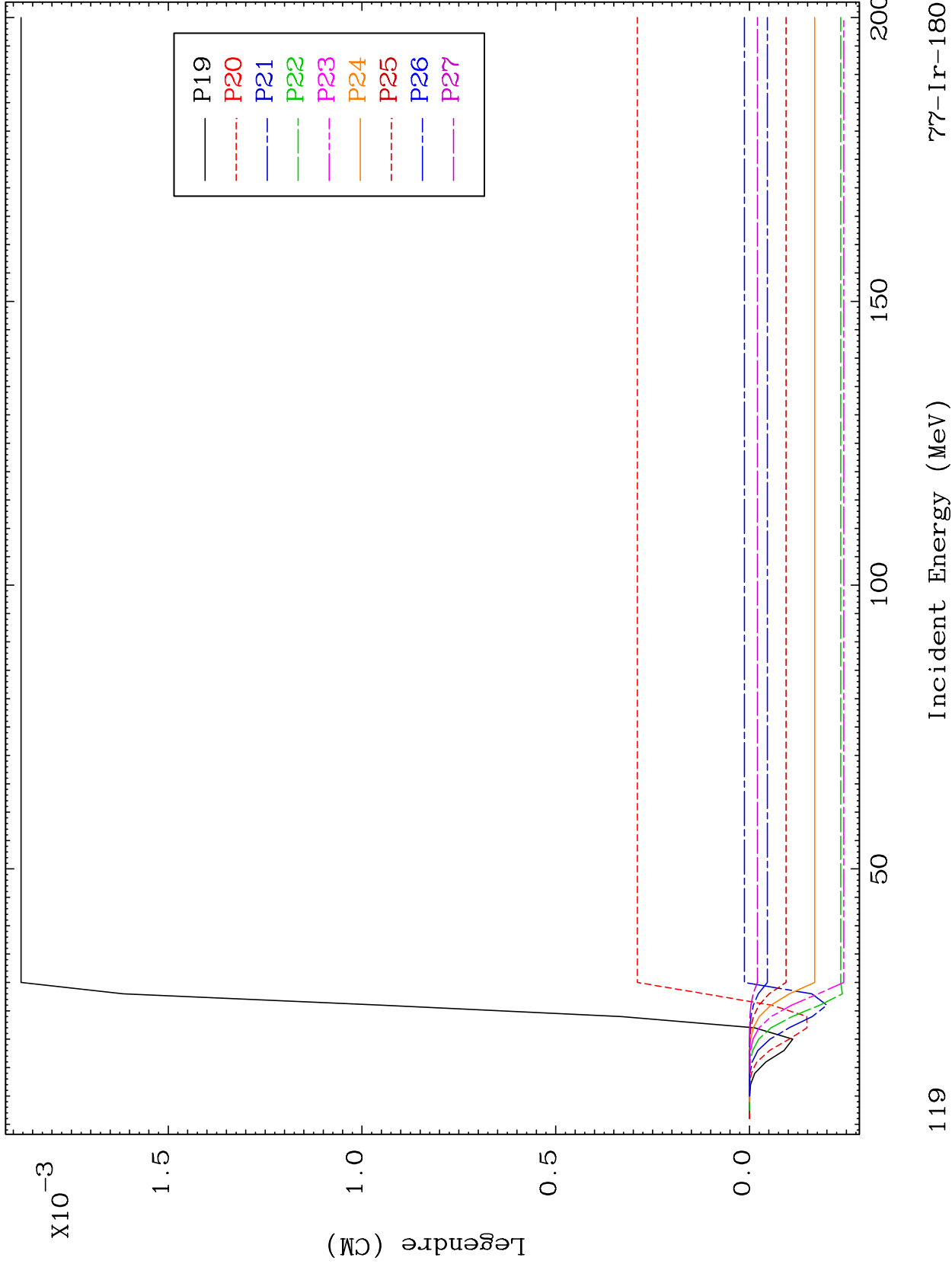
77-Ir-180



MAT 7692

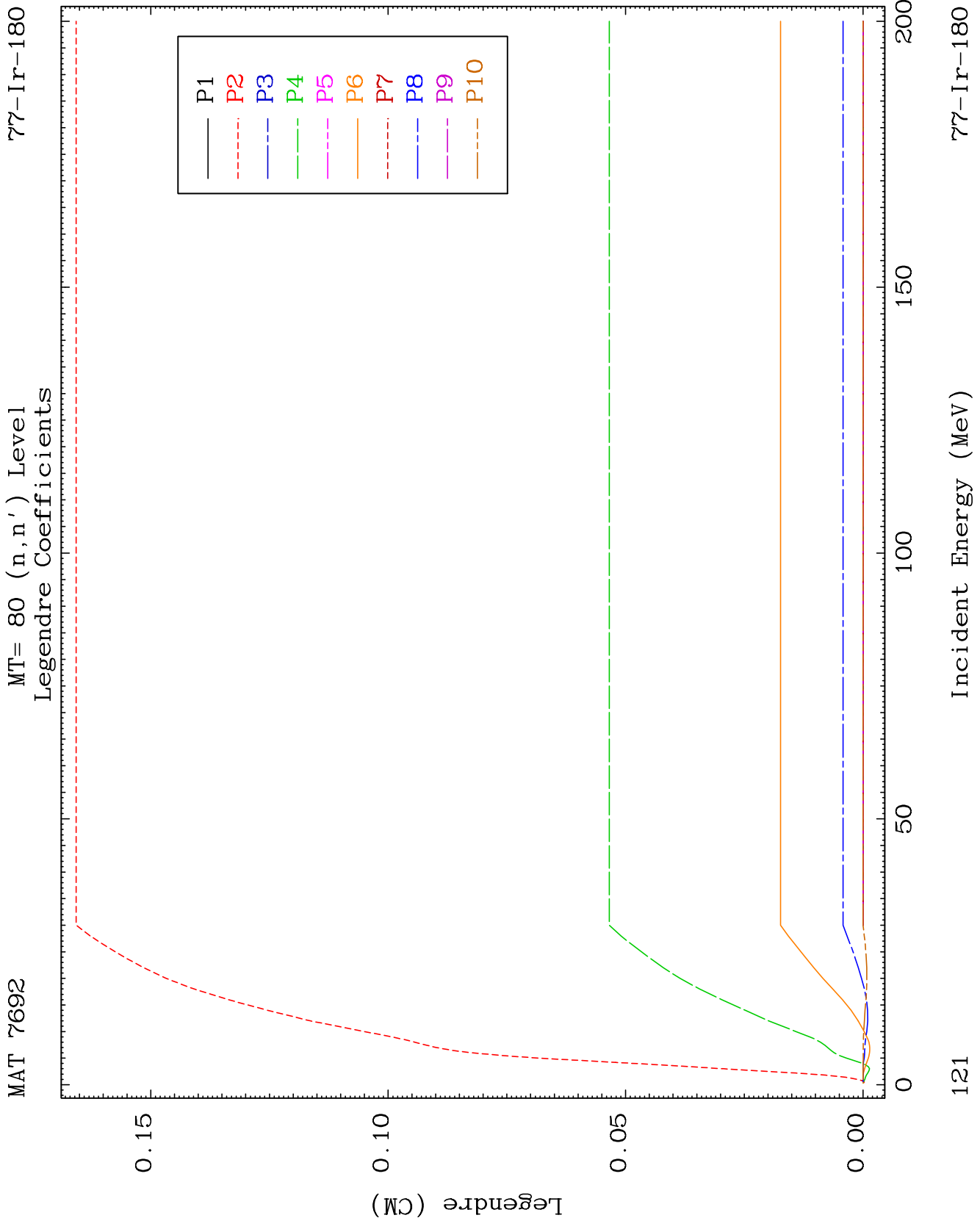
MT= 79 (n,n') Level
Legendre Coefficients

77-Ir-180



119

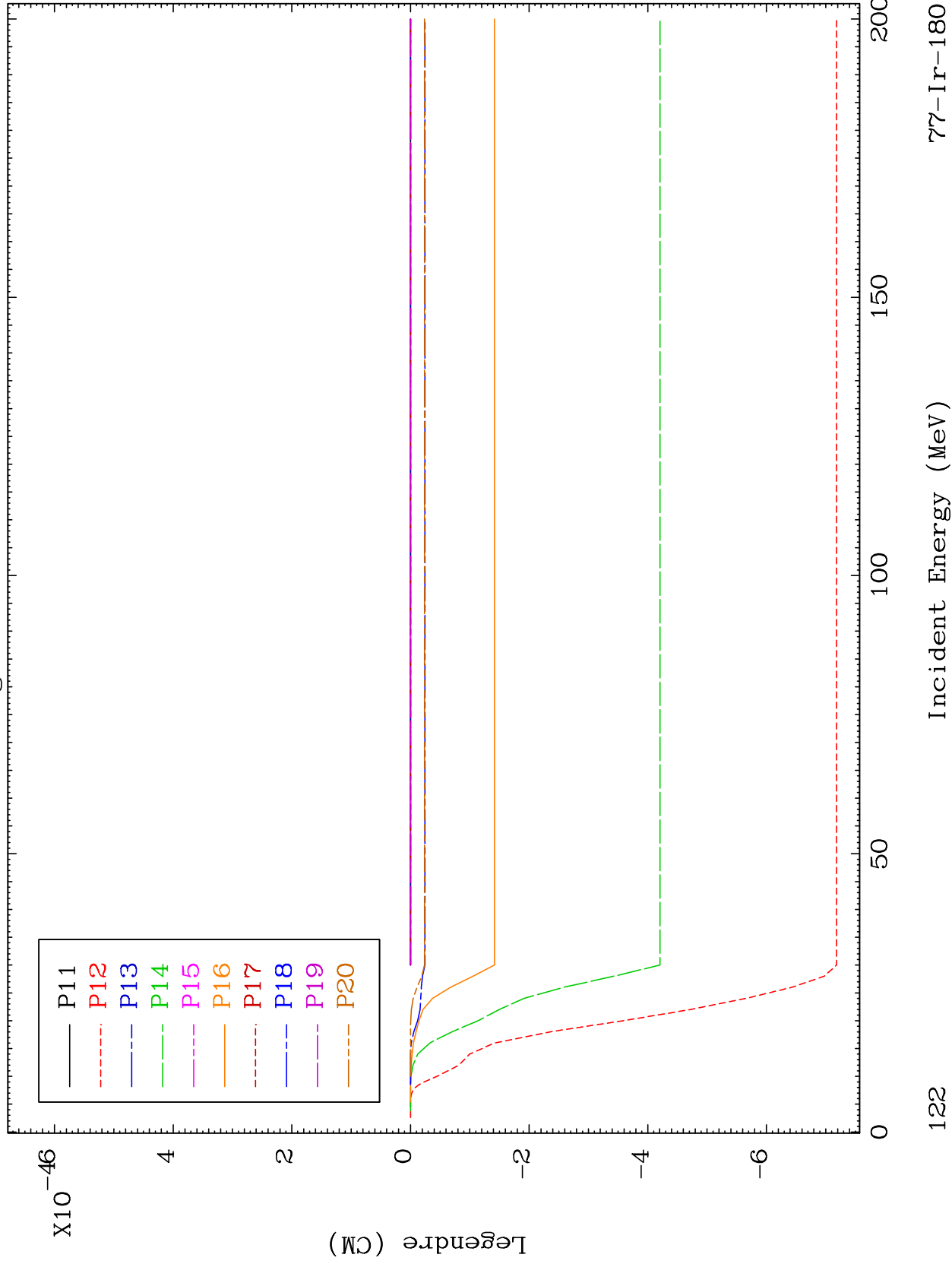
77-Ir-180



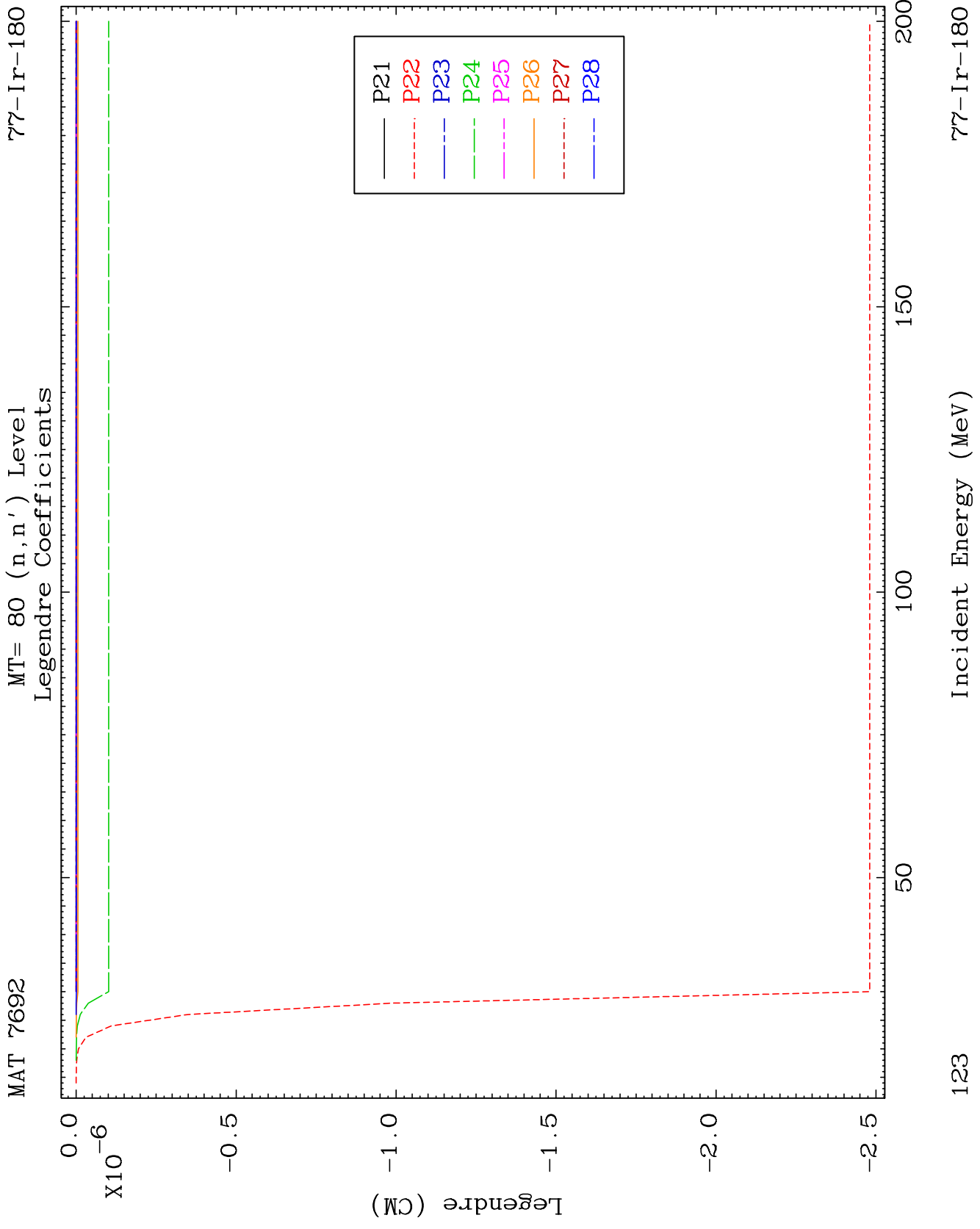
MAT 7692

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

77-Ir-180



122



MAT 7692

Fission

⁷⁷Ir-180

Radionuclide Production Cross Section

