

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

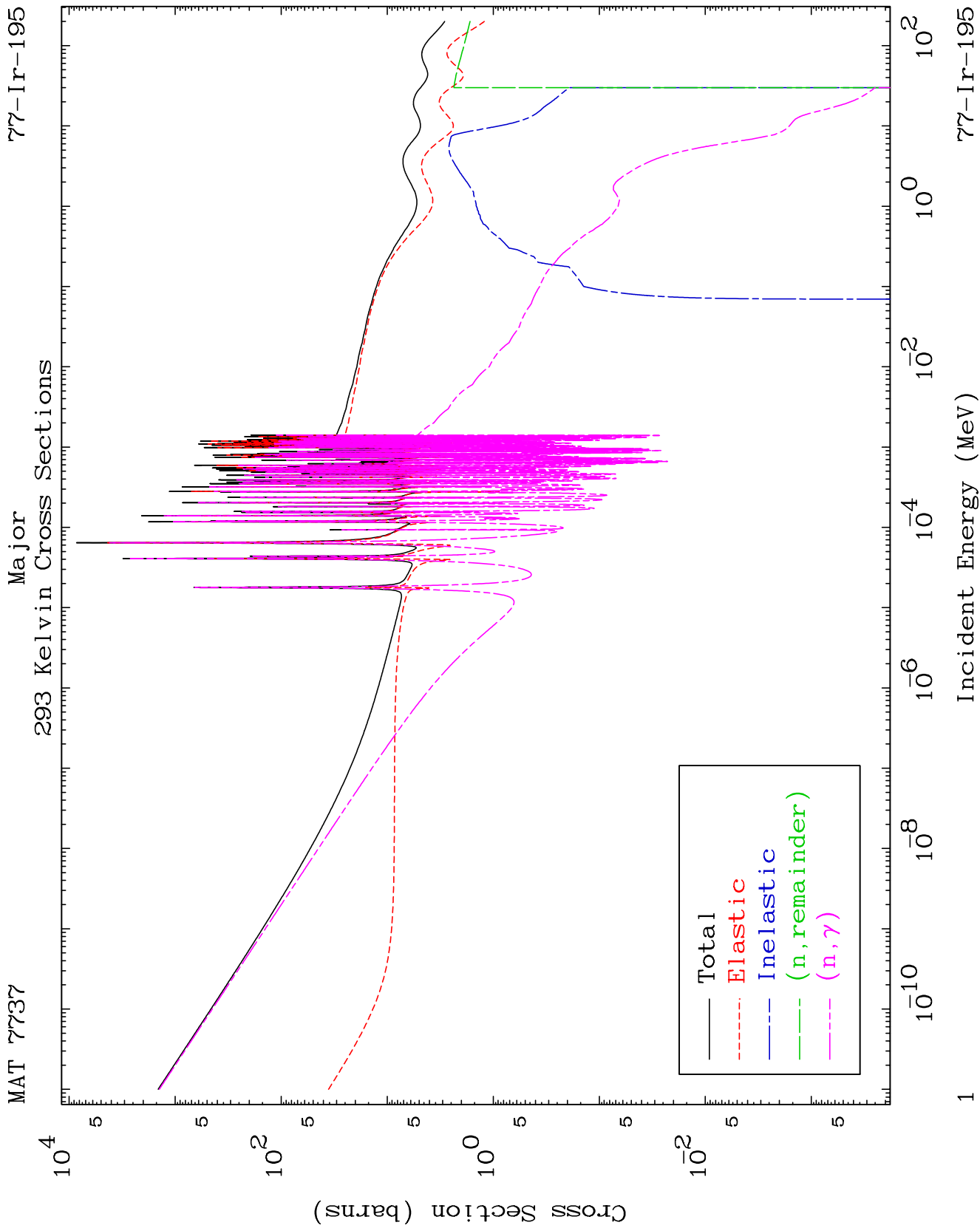
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

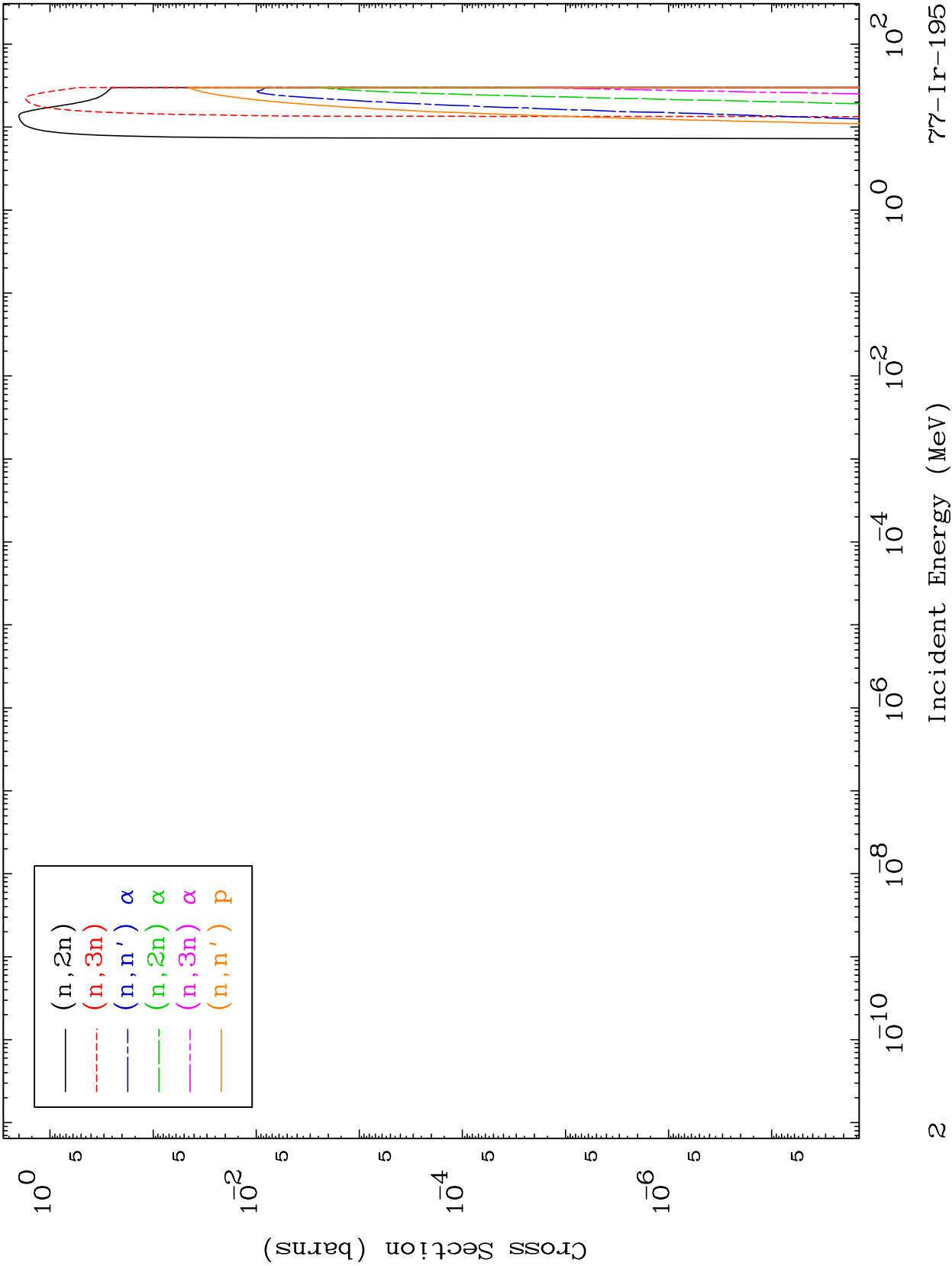
Press Mouse Button to Start

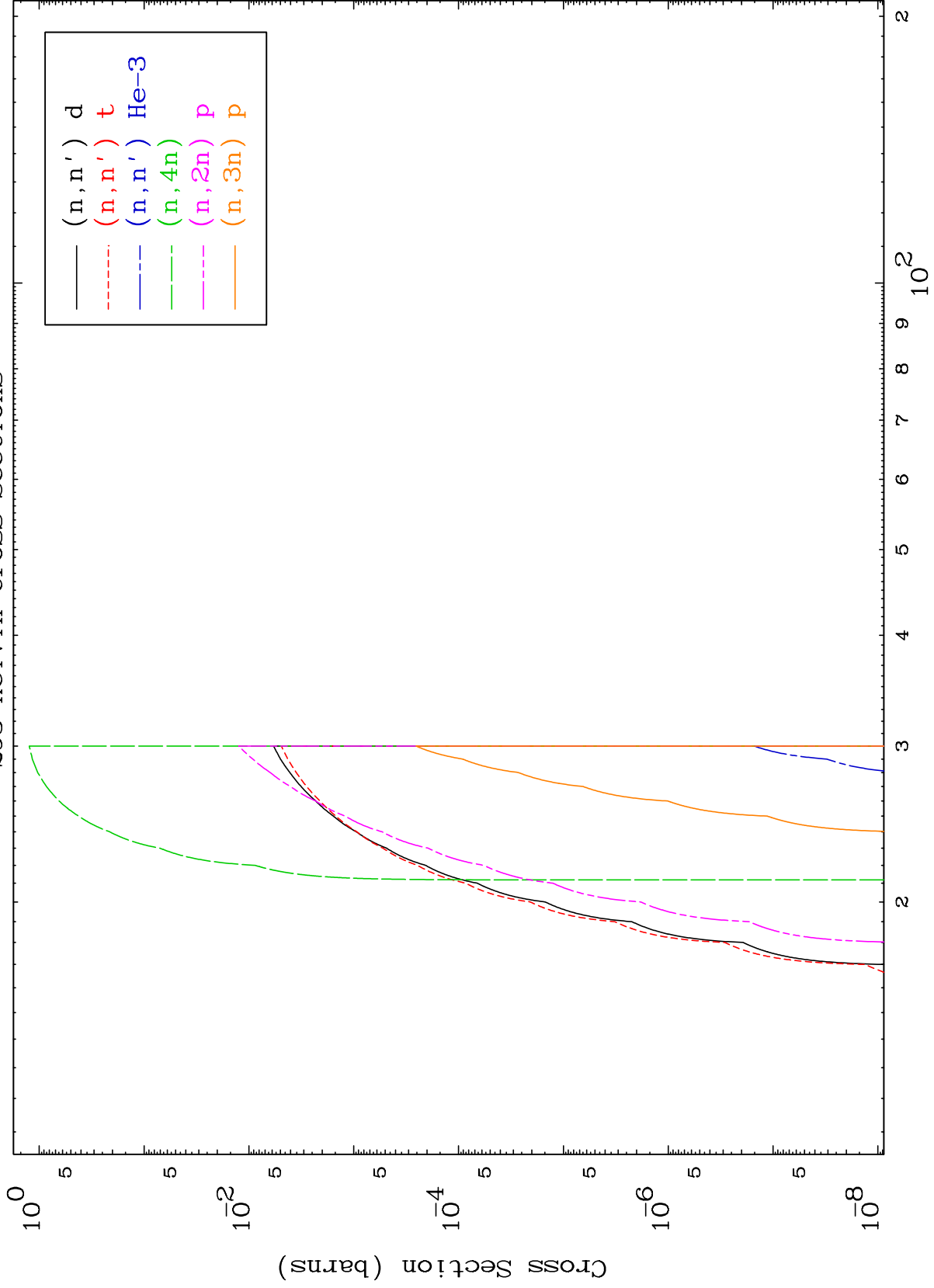


MAT 7737

Neutron Production
293 Kelvin Cross Sections

77-Ir-195

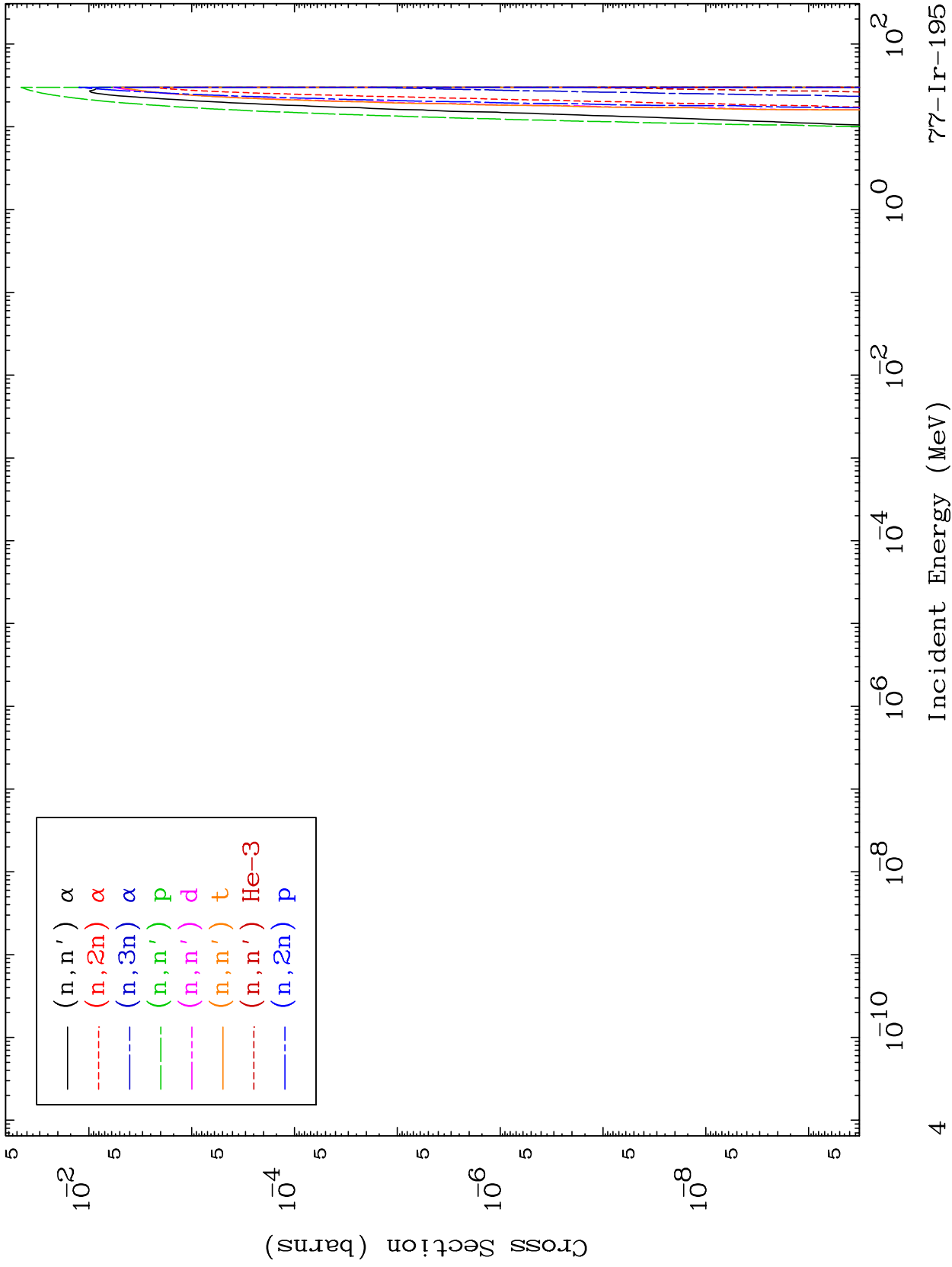




MAT 7737

Charged Particle
293 Kelvin Cross Sections

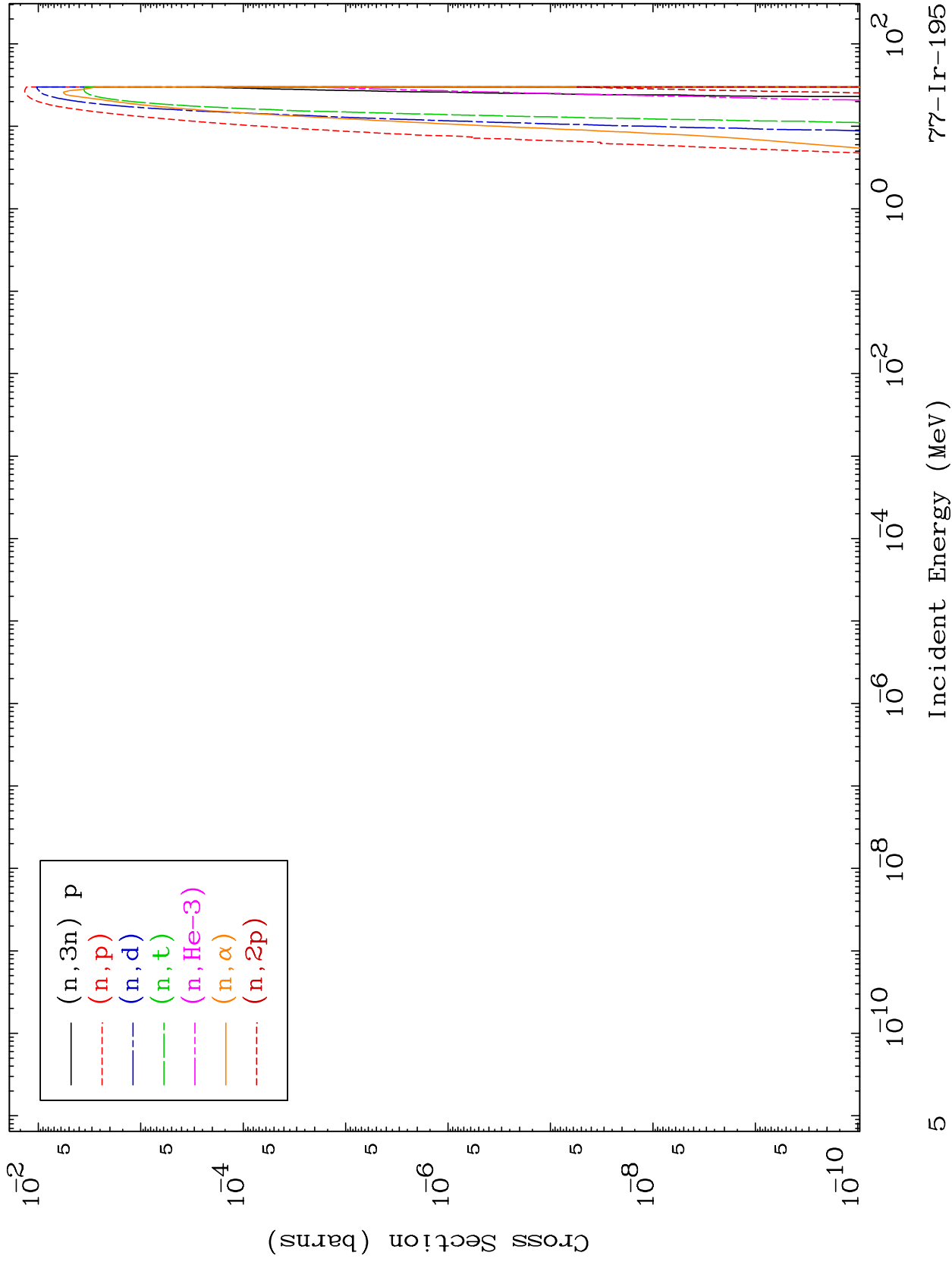
77-Ir-195

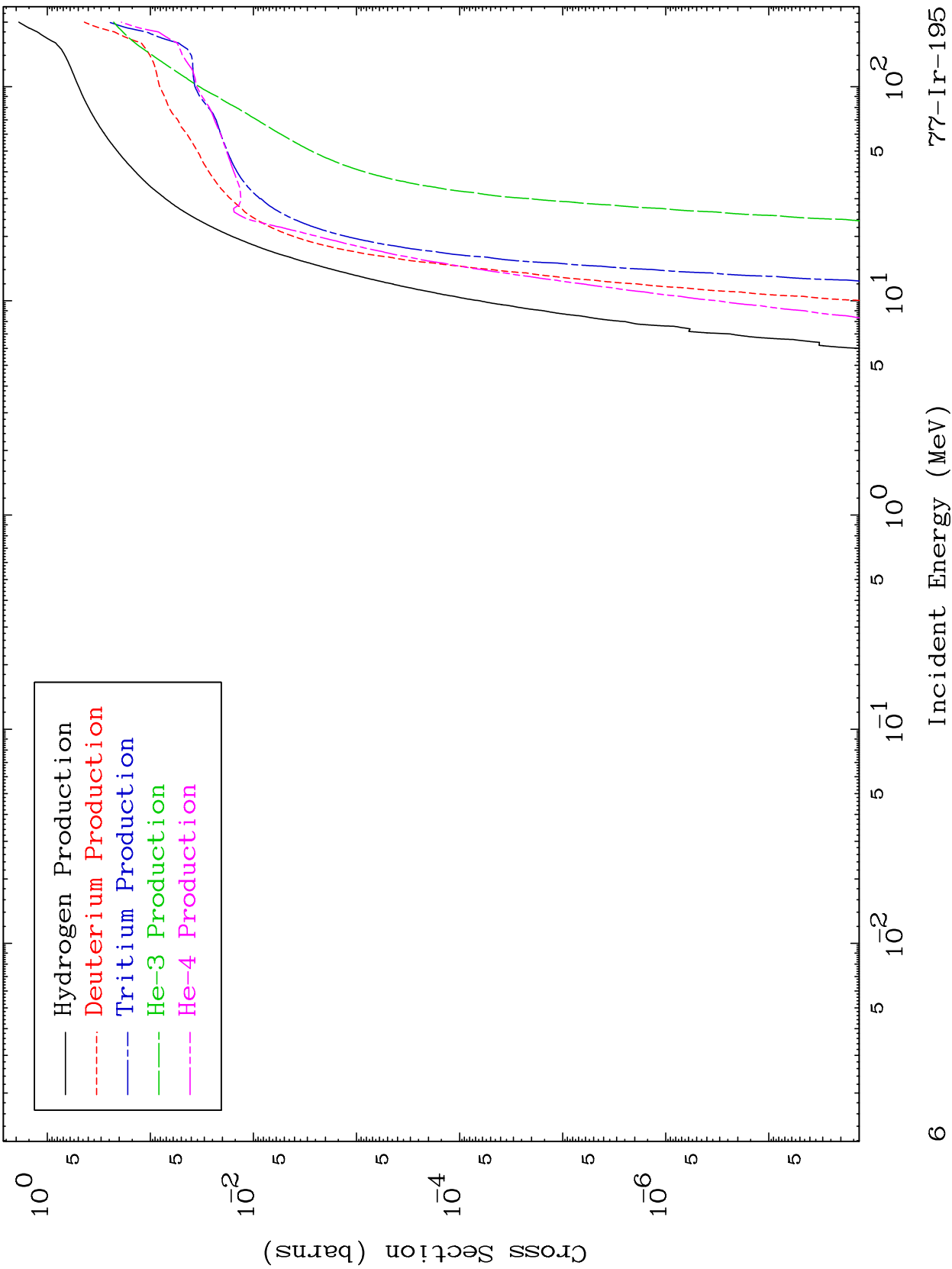


MAT 7737

Charged Particle
293 Kelvin Cross Sections

77-Ir-195



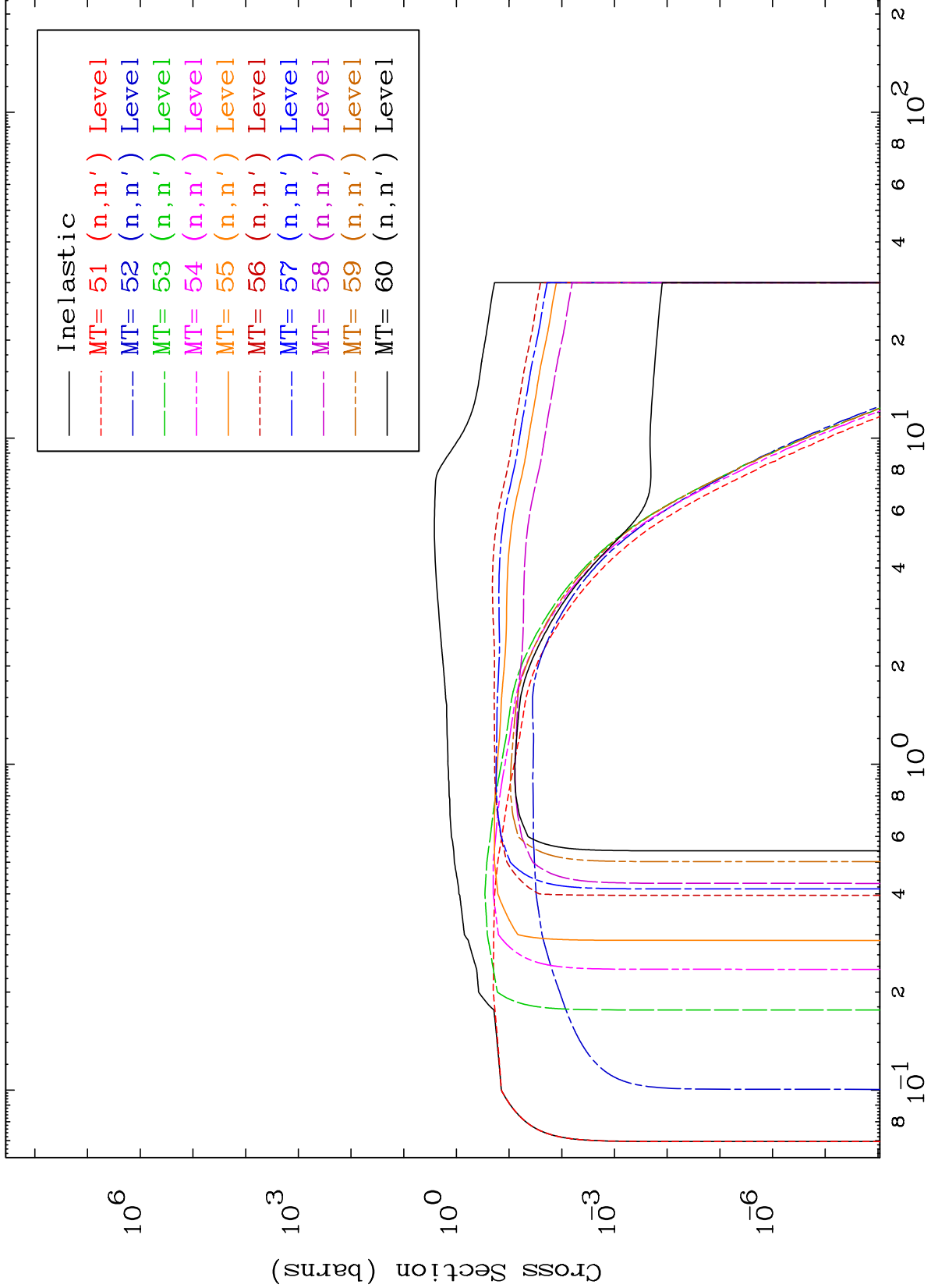


MAT 7737

(n,n') Level

77-Ir-195

293 Kelvin Cross Sections

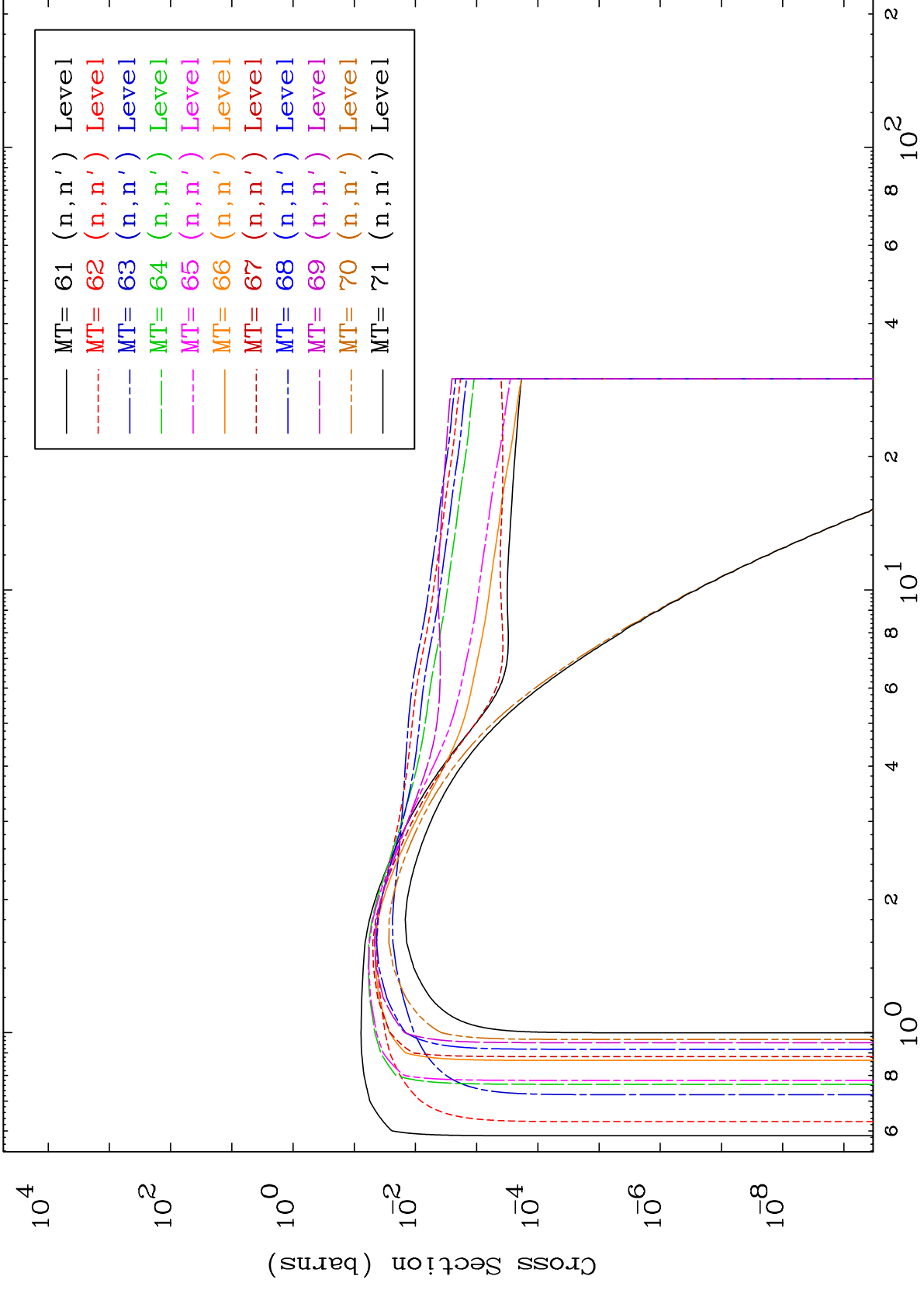


MAT 7737

(n,n') Level

293 Kelvin Cross Sections

77-Ir-195



8

Incident Energy (MeV)

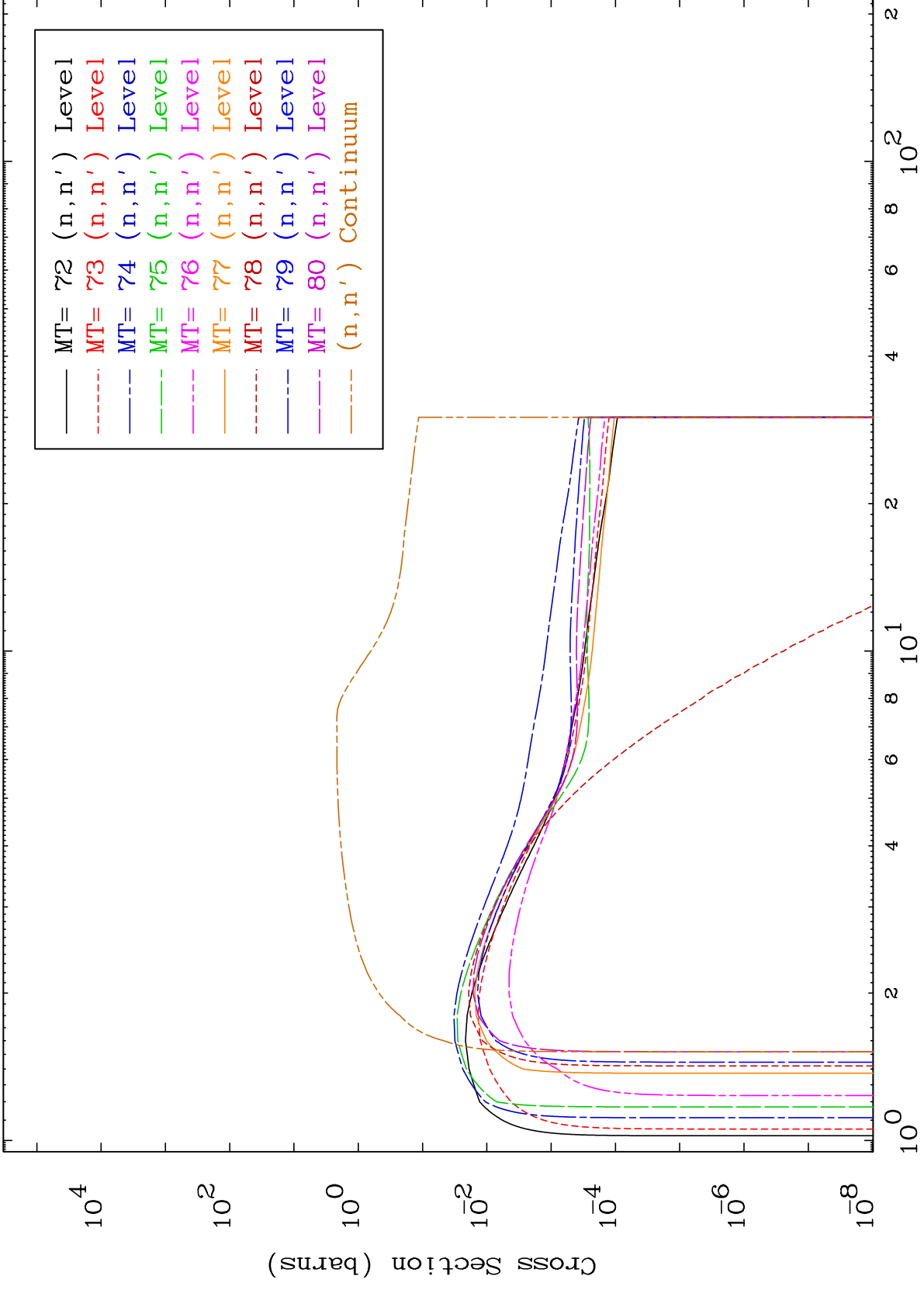
77-Ir-195

MAT 7737

(n,n') Level

77-Ir-195

293 Kelvin Cross Sections



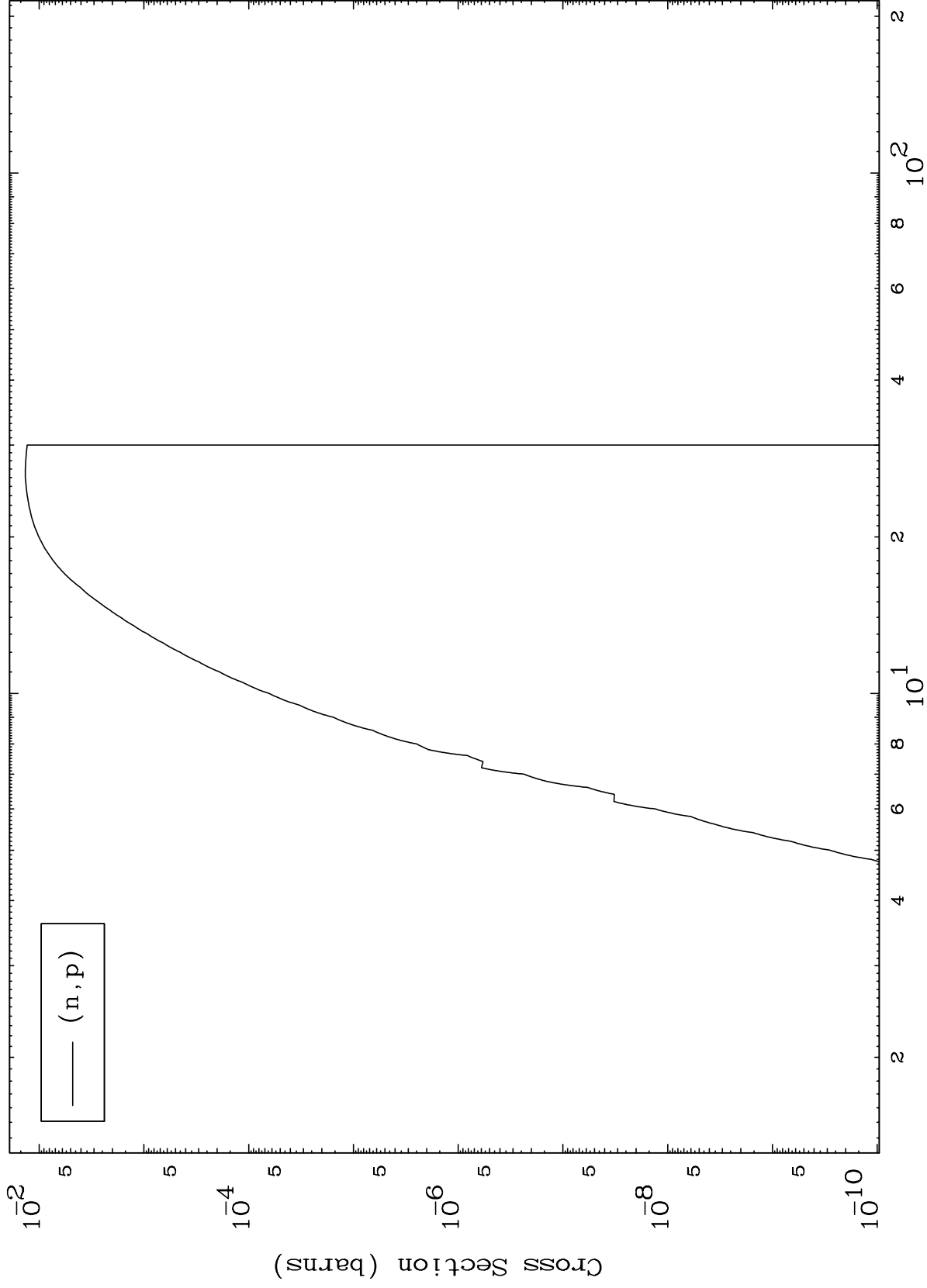
Incident Energy (MeV)

77-Ir-195

MAT 7737

(n,p) Levels
293 Kelvin Cross Sections

⁷⁷Ir-195



10

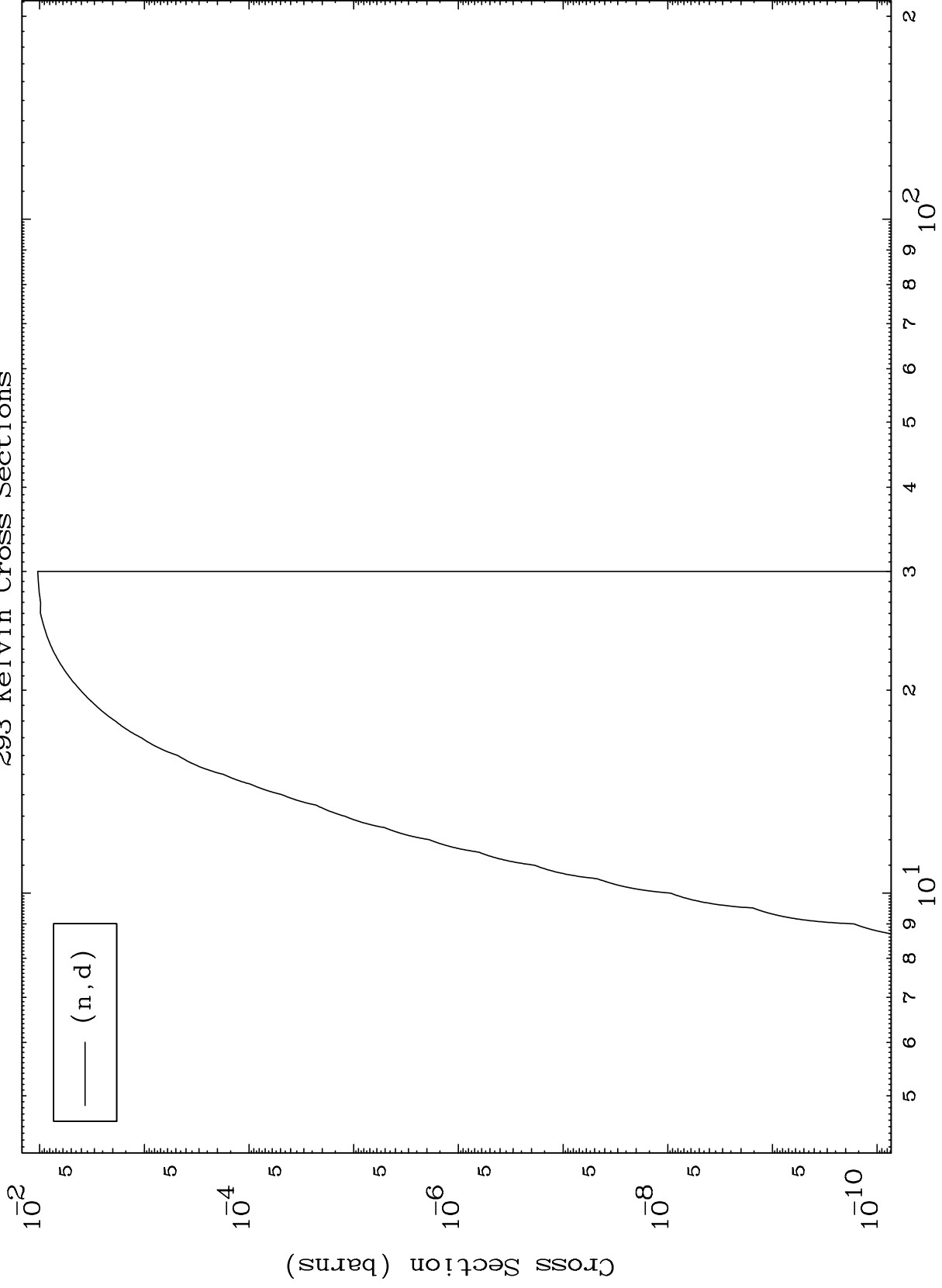
Incident Energy (MeV)

⁷⁷Ir-195

MAT 7737

(n,d) Levels
293 Kelvin Cross Sections

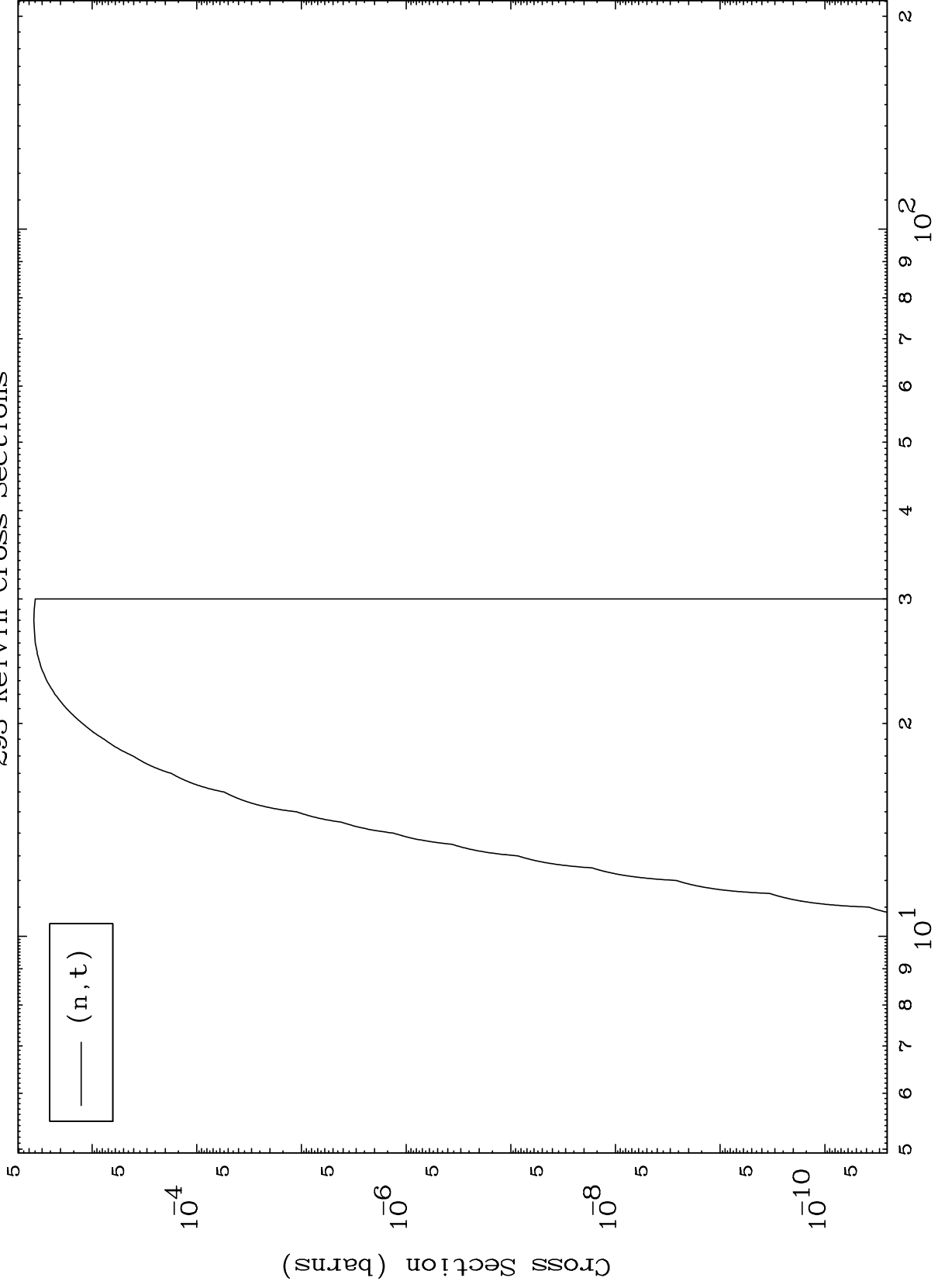
77-Ir-195



MAT 7737

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-195



12

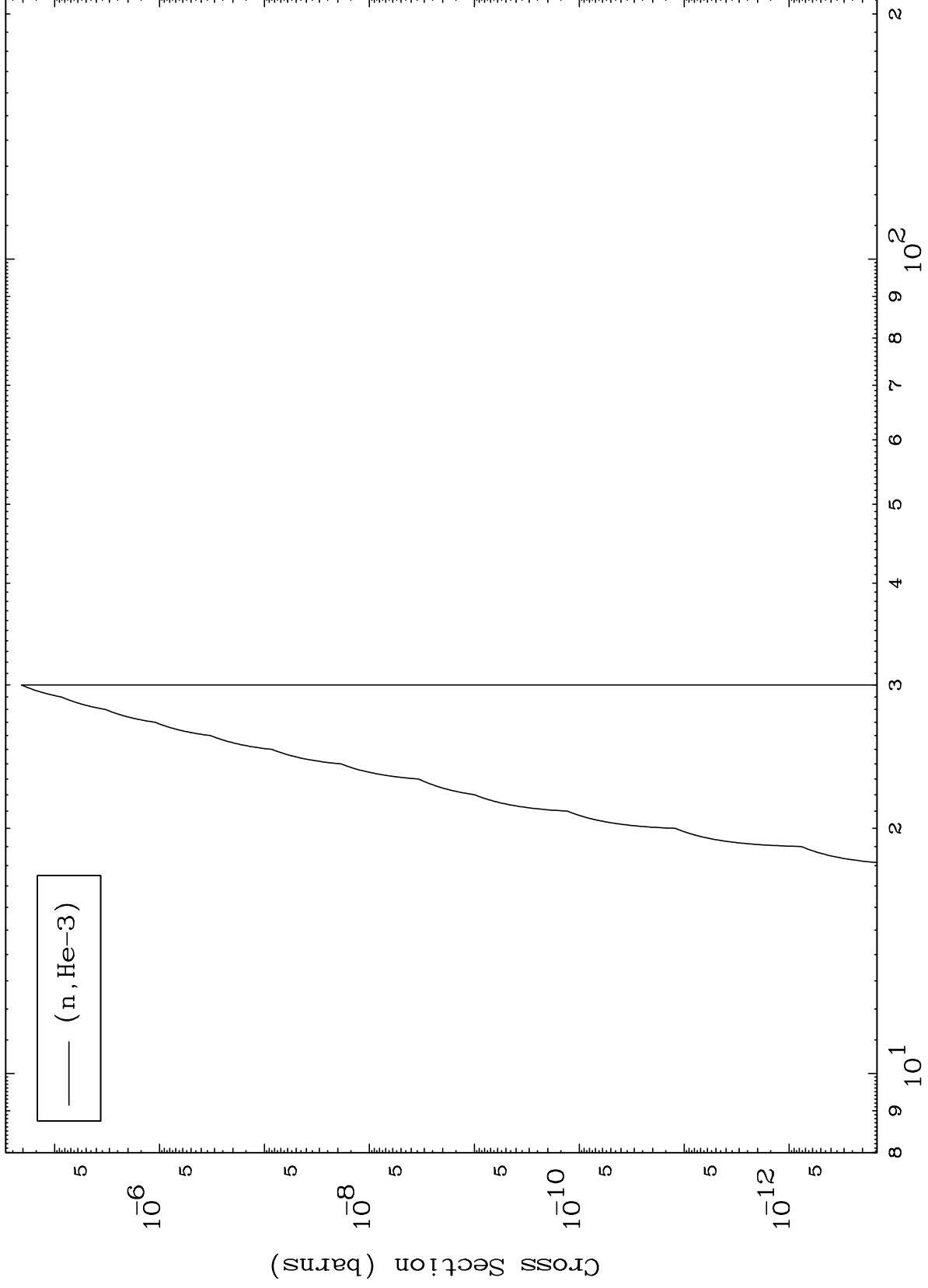
Incident Energy (MeV)

77-Ir-195

MAT 7737

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-195



13

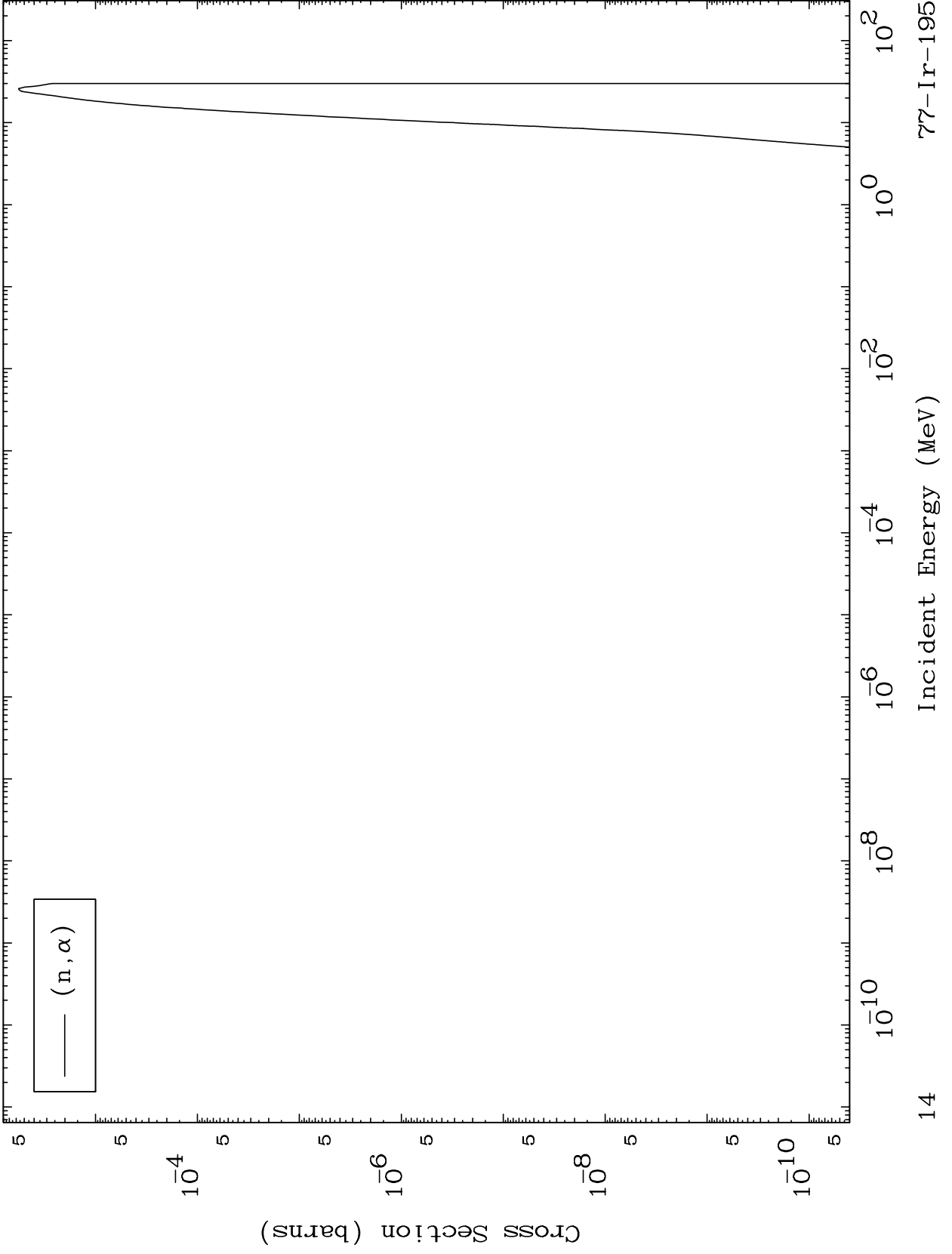
Incident Energy (MeV)

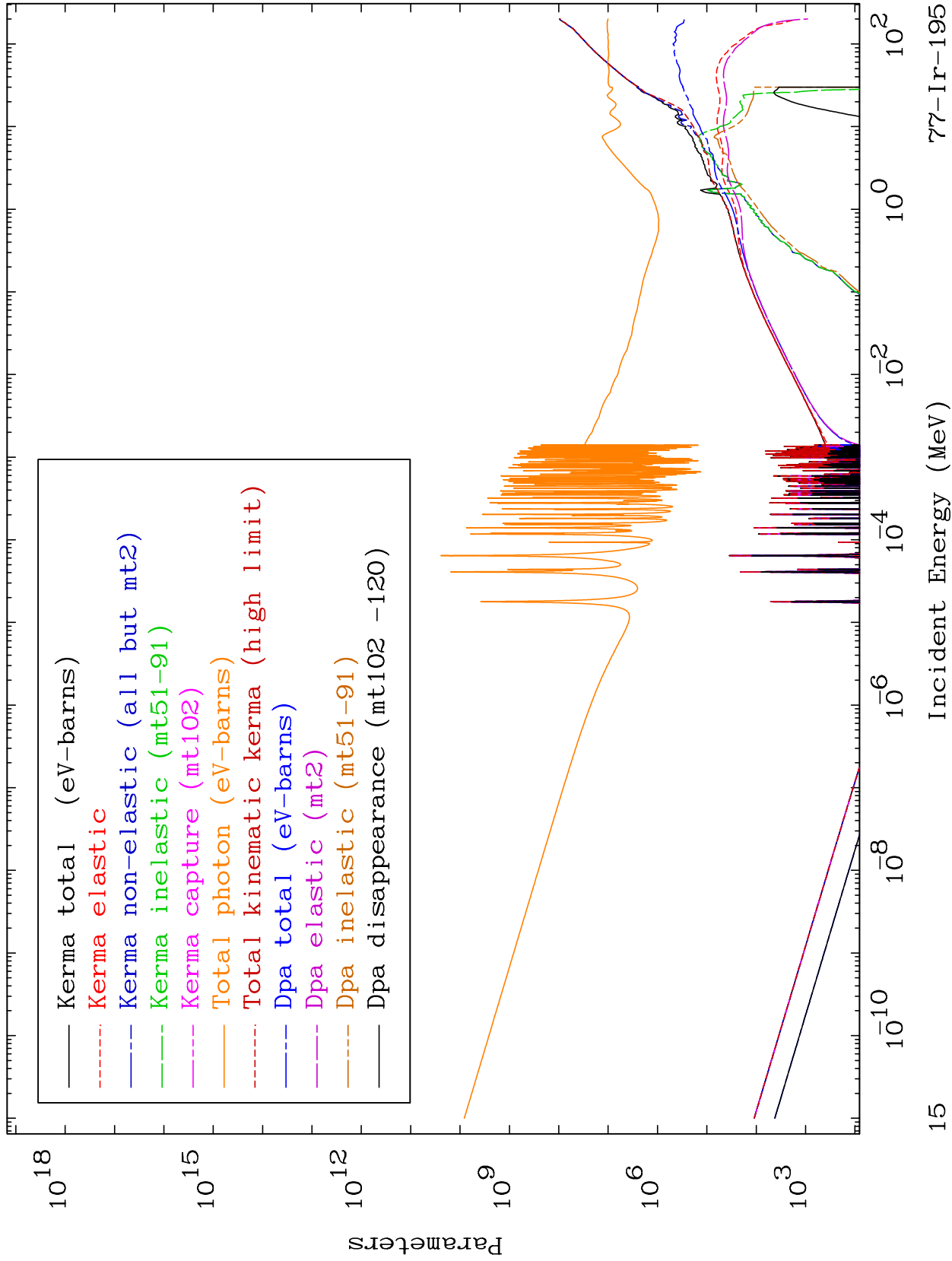
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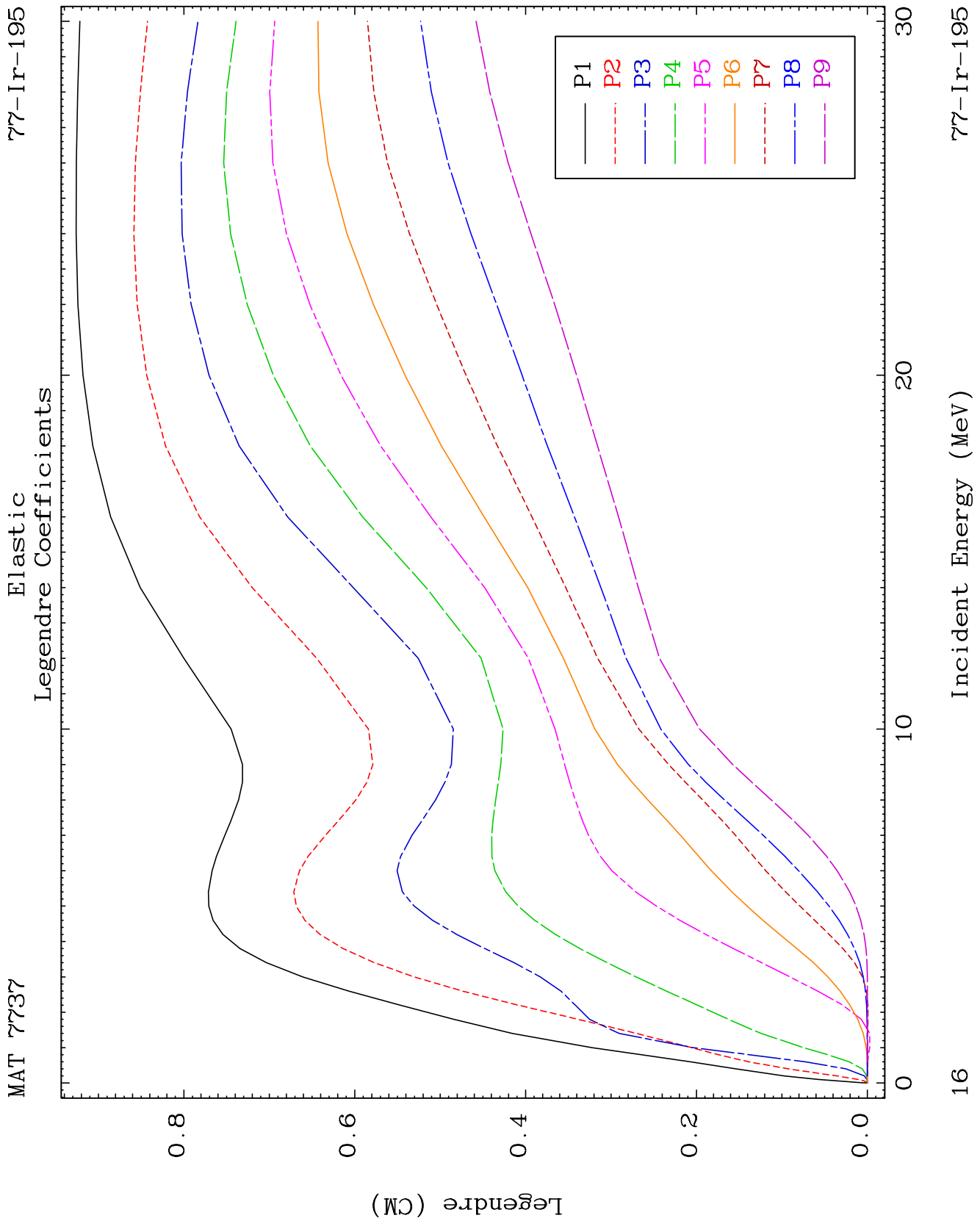
MAT 7737

(n, α) Levels
293 Kelvin Cross Sections

77-Ir-195



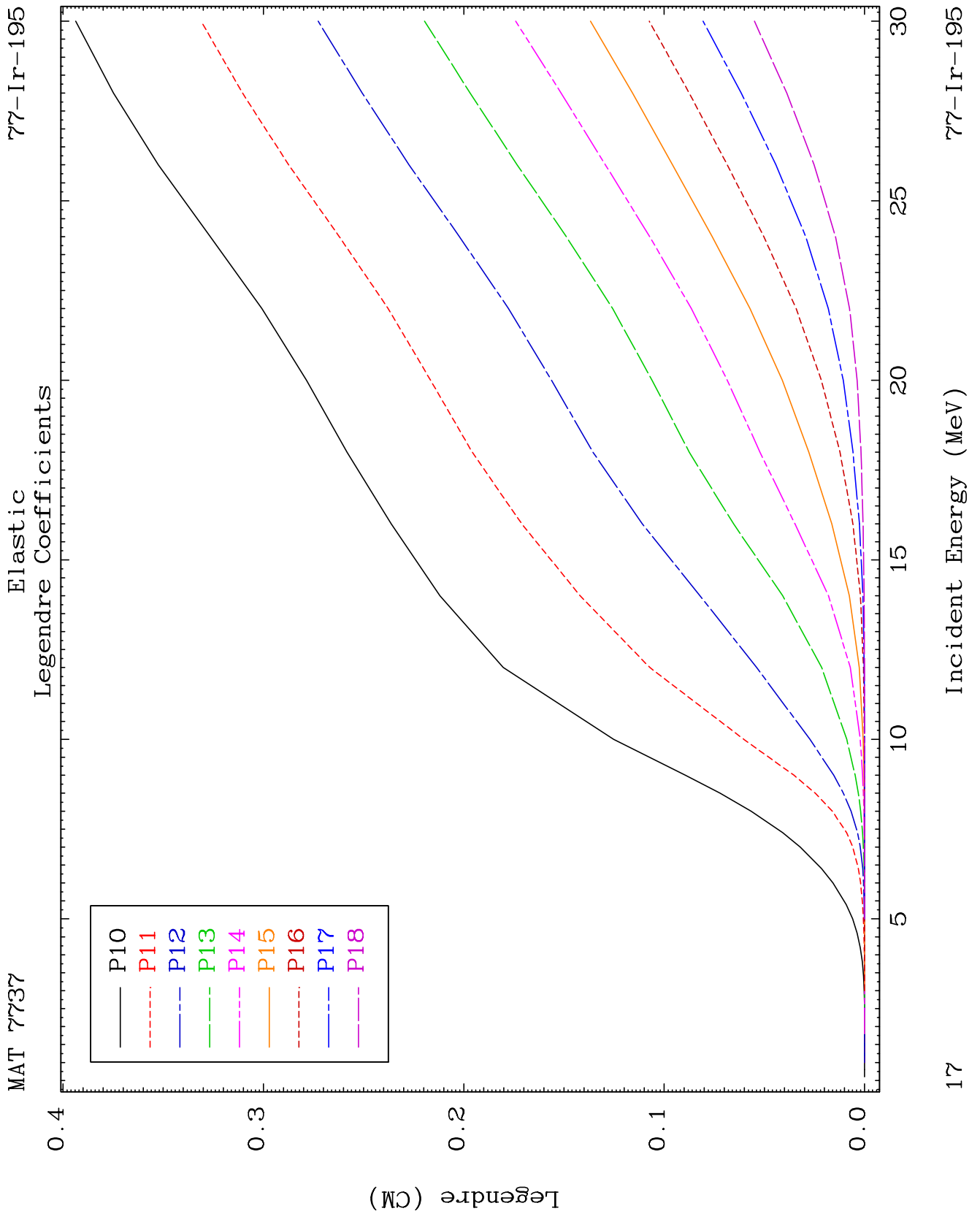




77-Ir-195

Incident Energy (MeV)

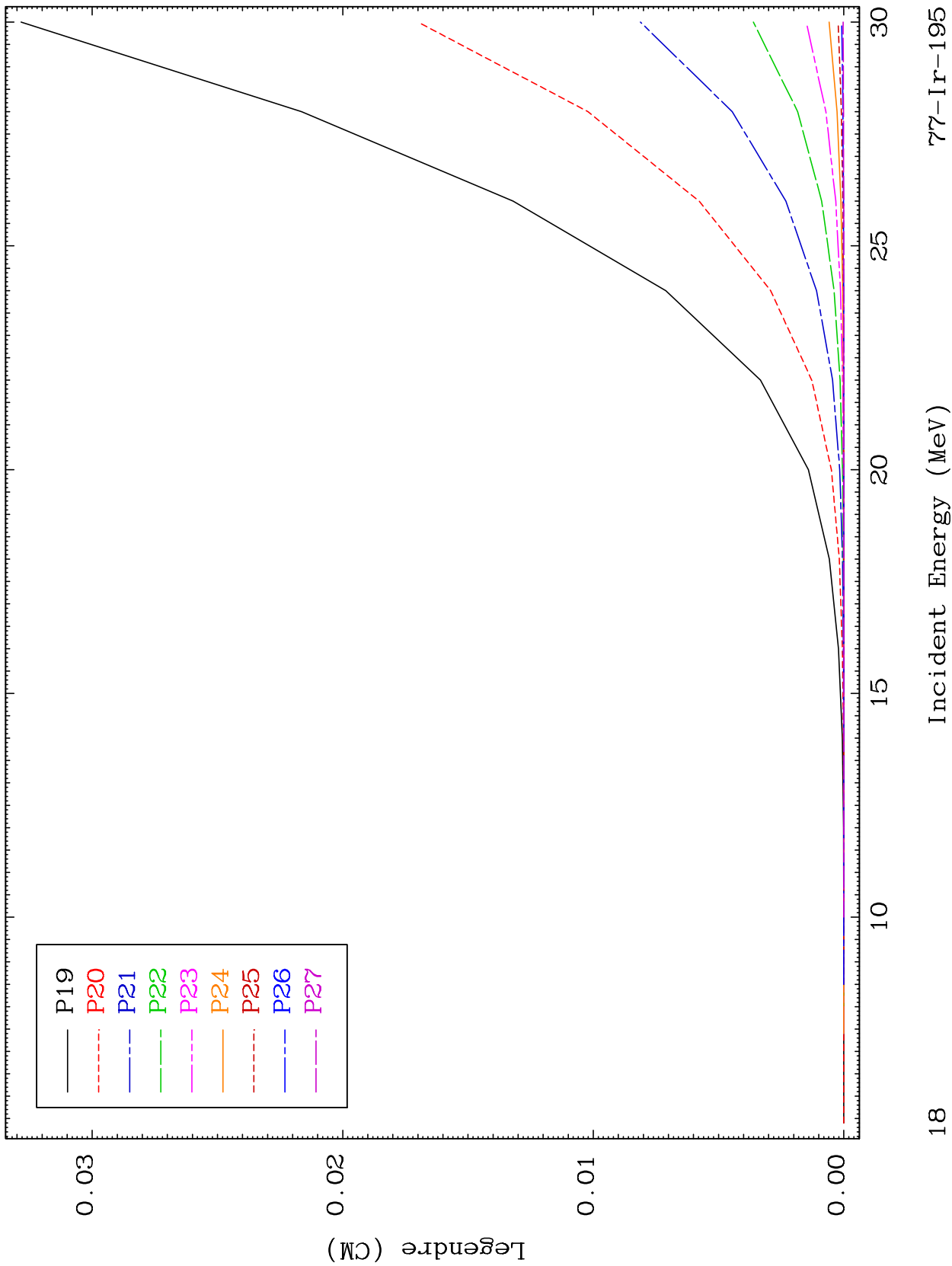
16



MAT 7737

Elastic Legendre Coefficients

77-Ir-195



18

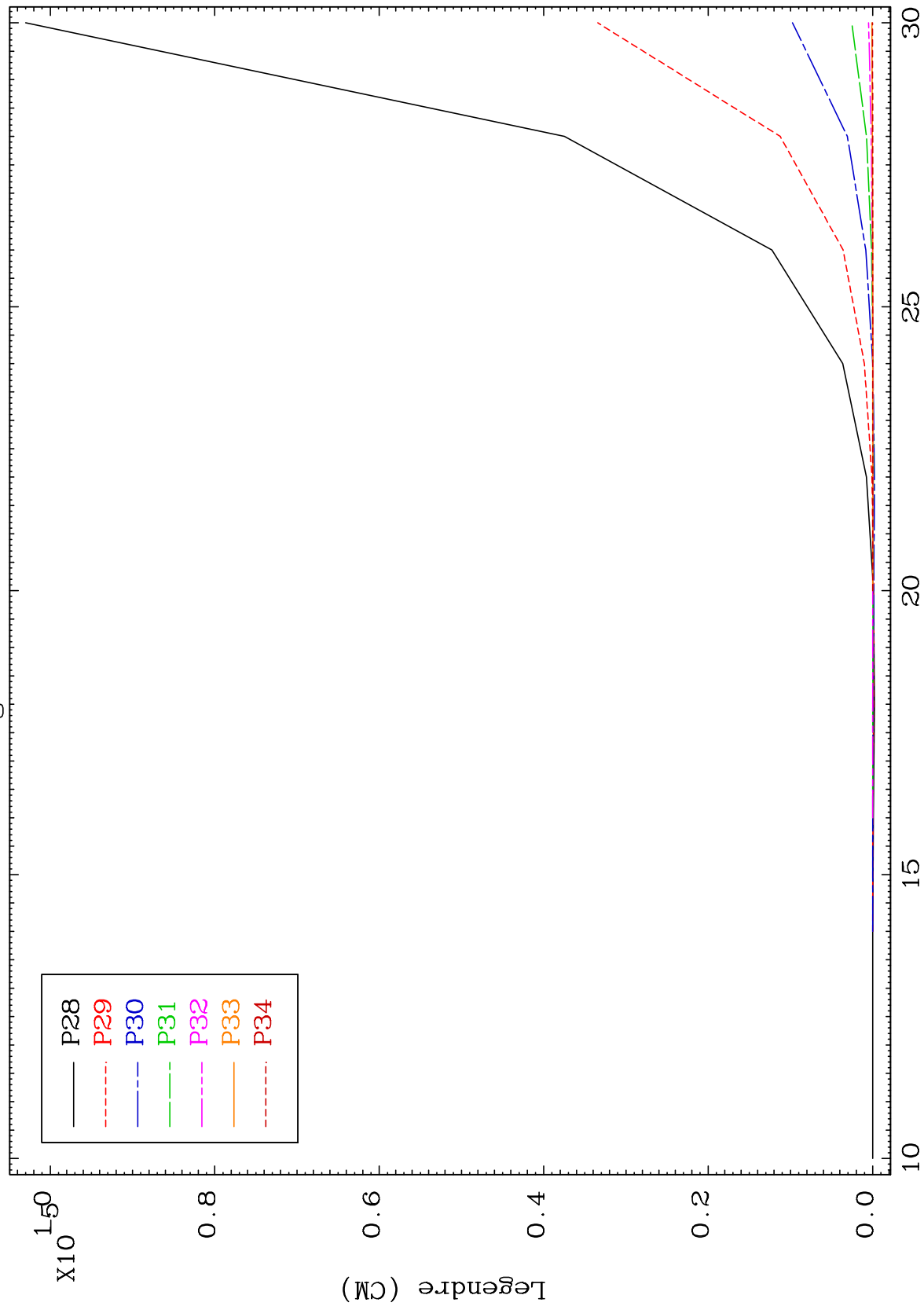
Incident Energy (MeV)

77-Ir-195

MAT 7737

Elastic
Legendre Coefficients

77-Ir-195



19

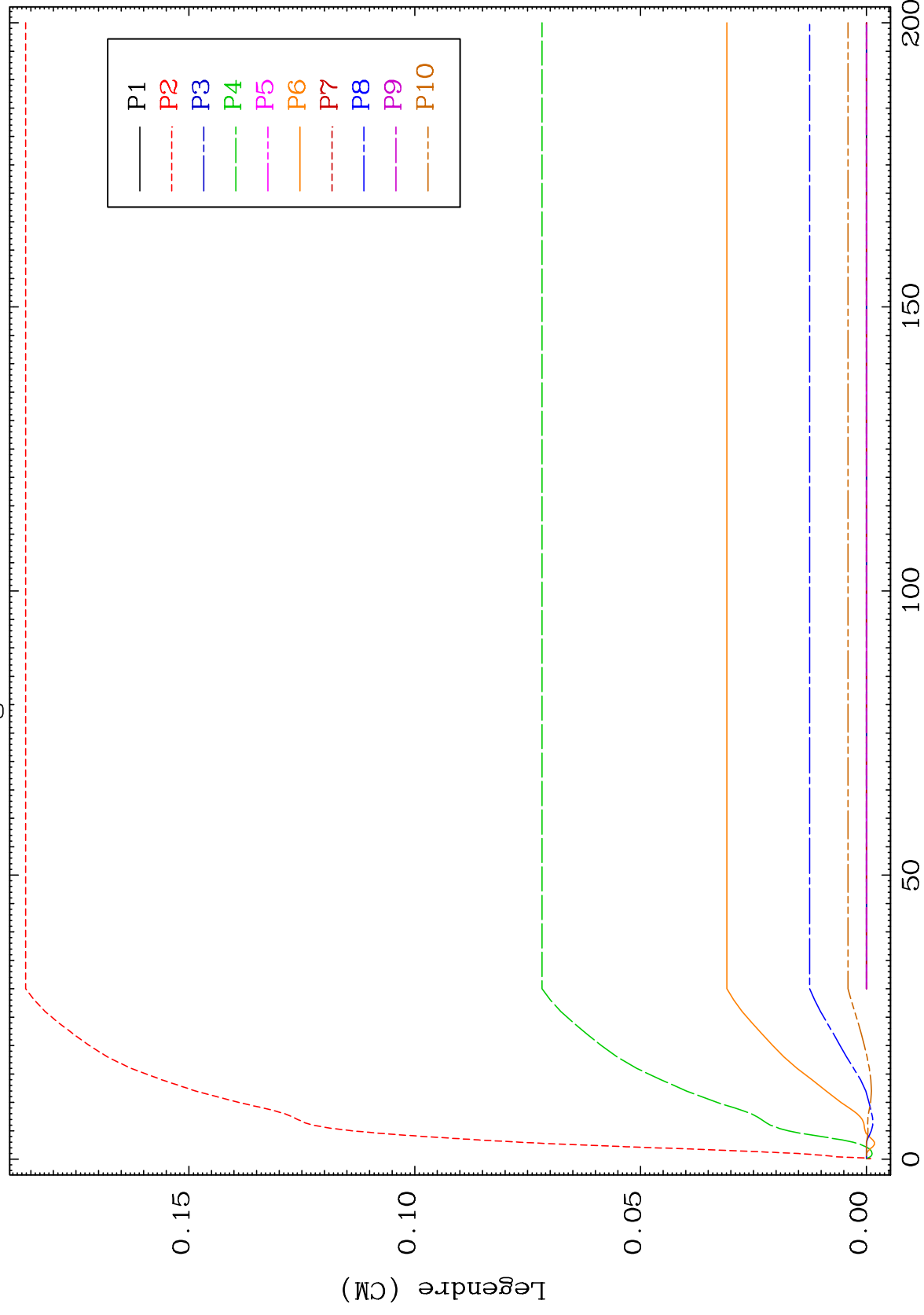
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



77-Ir-195

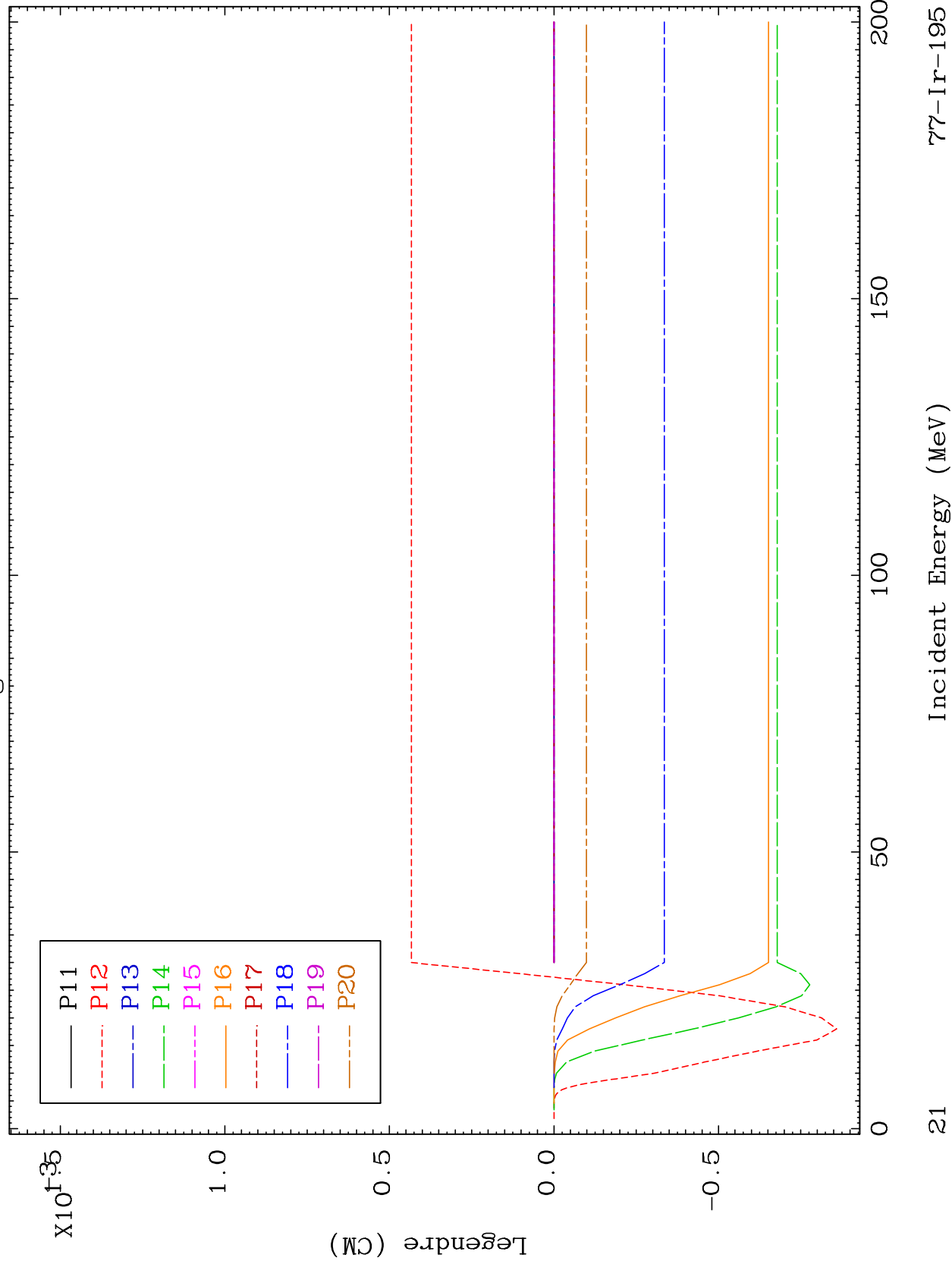
Incident Energy (MeV)

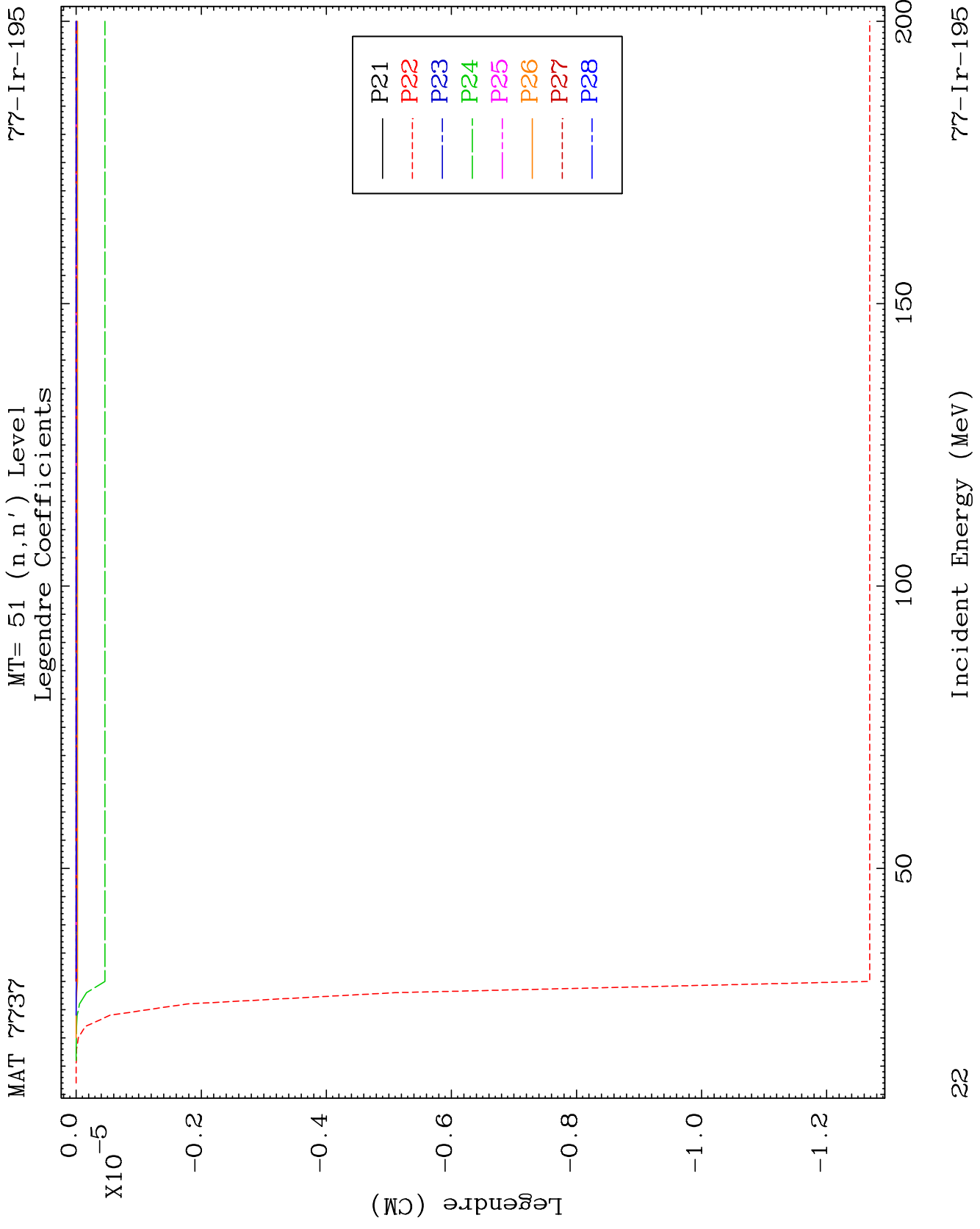
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MAT 7737

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

77-Ir-195

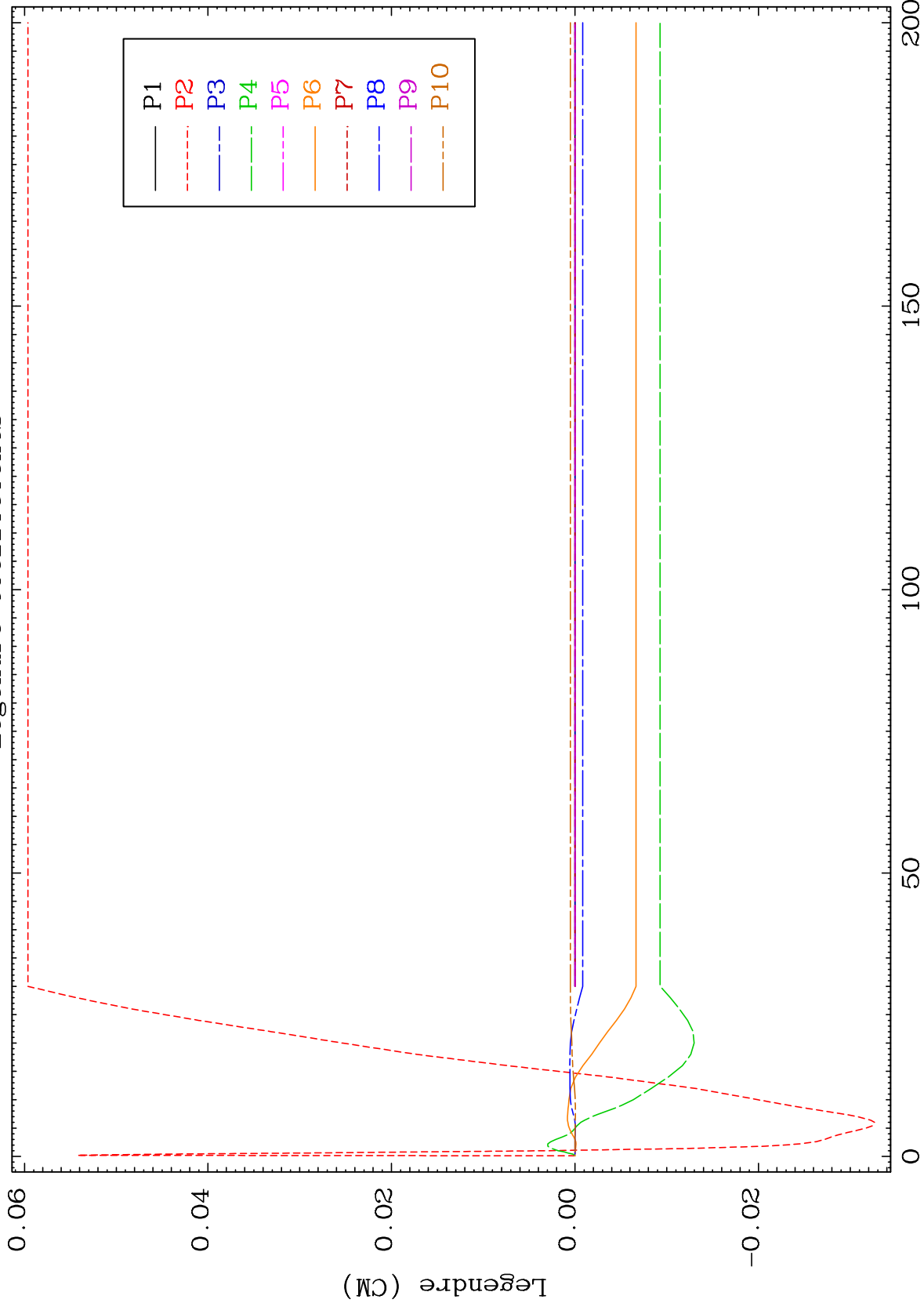




MAT 7737

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

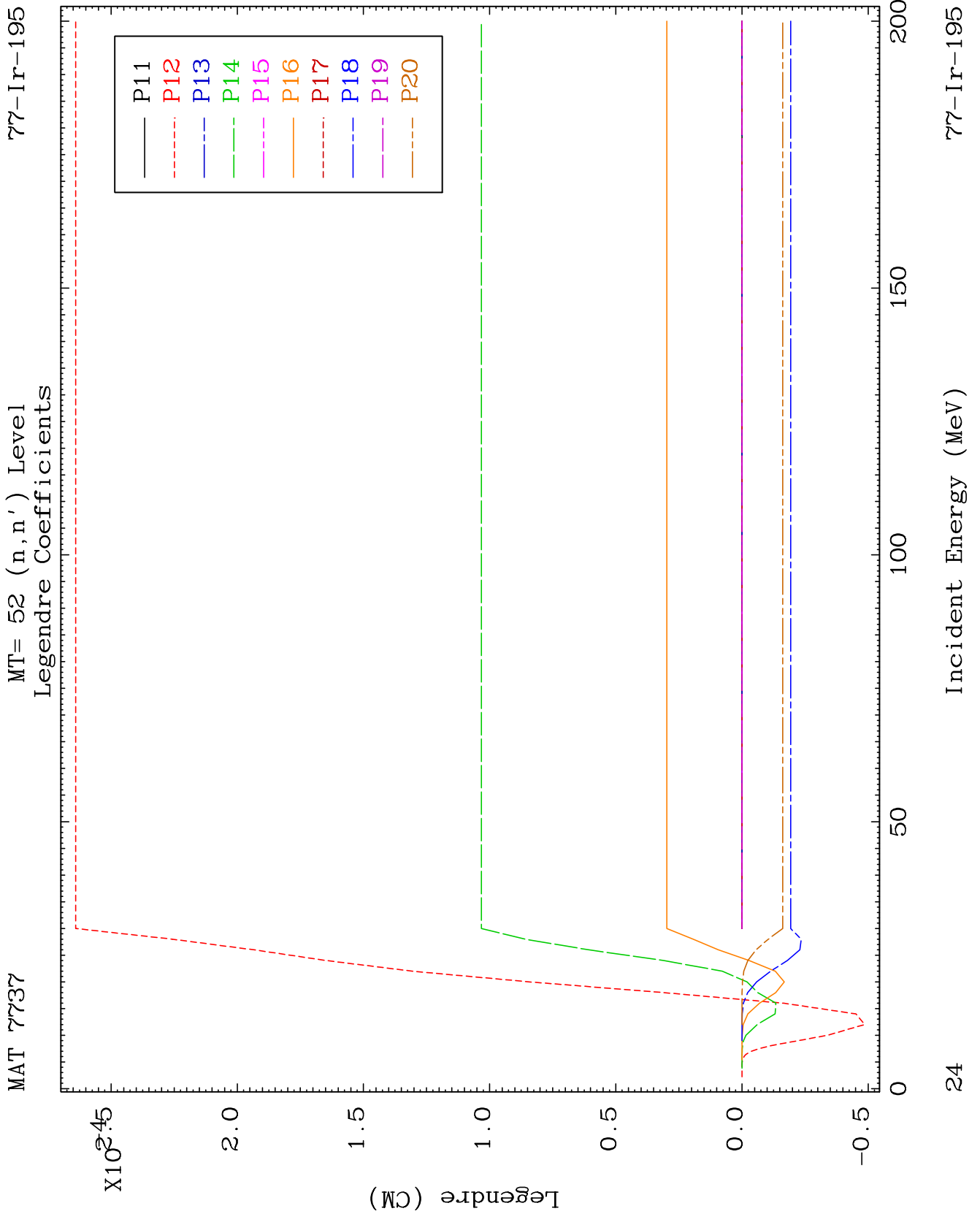
77-Ir-195

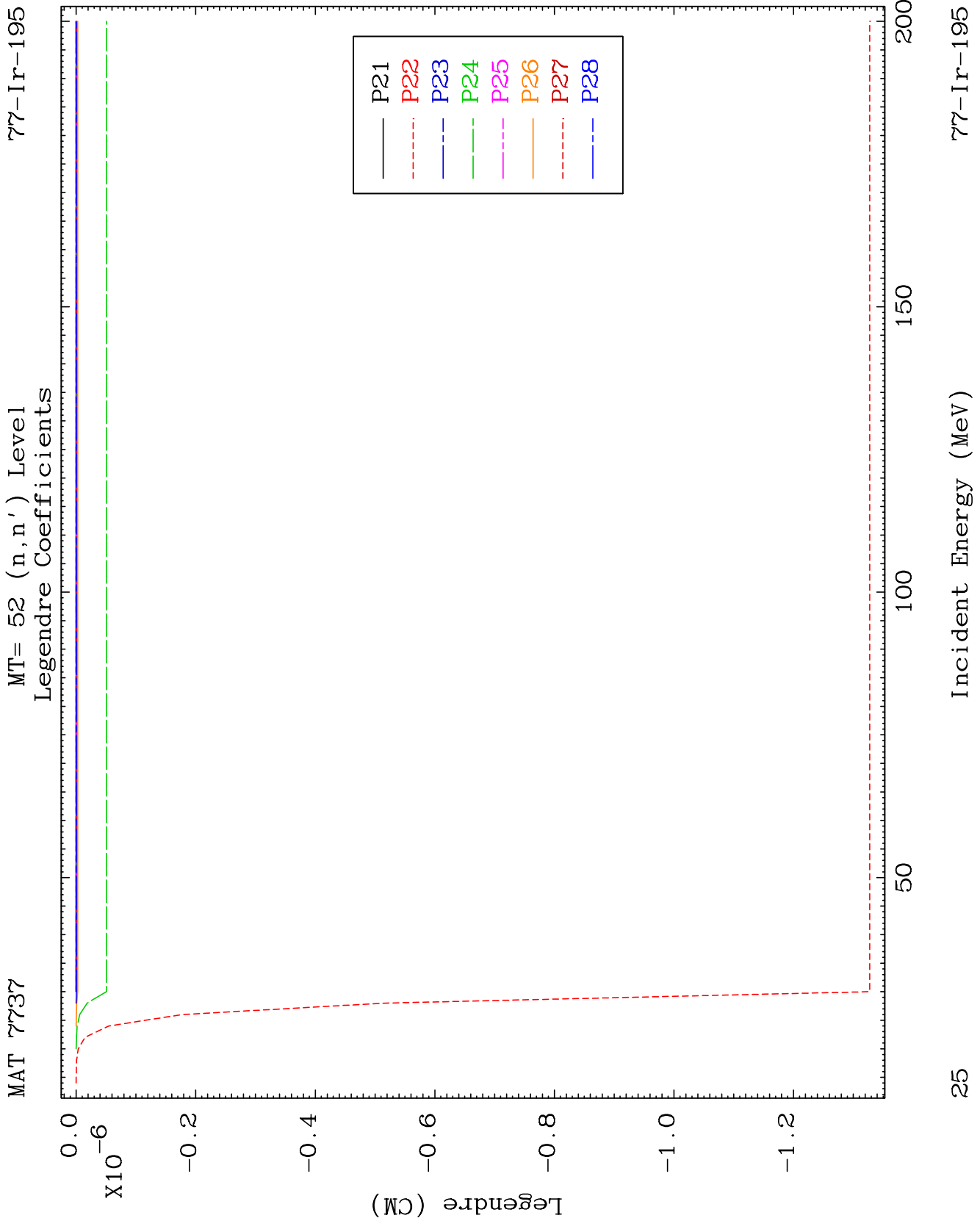


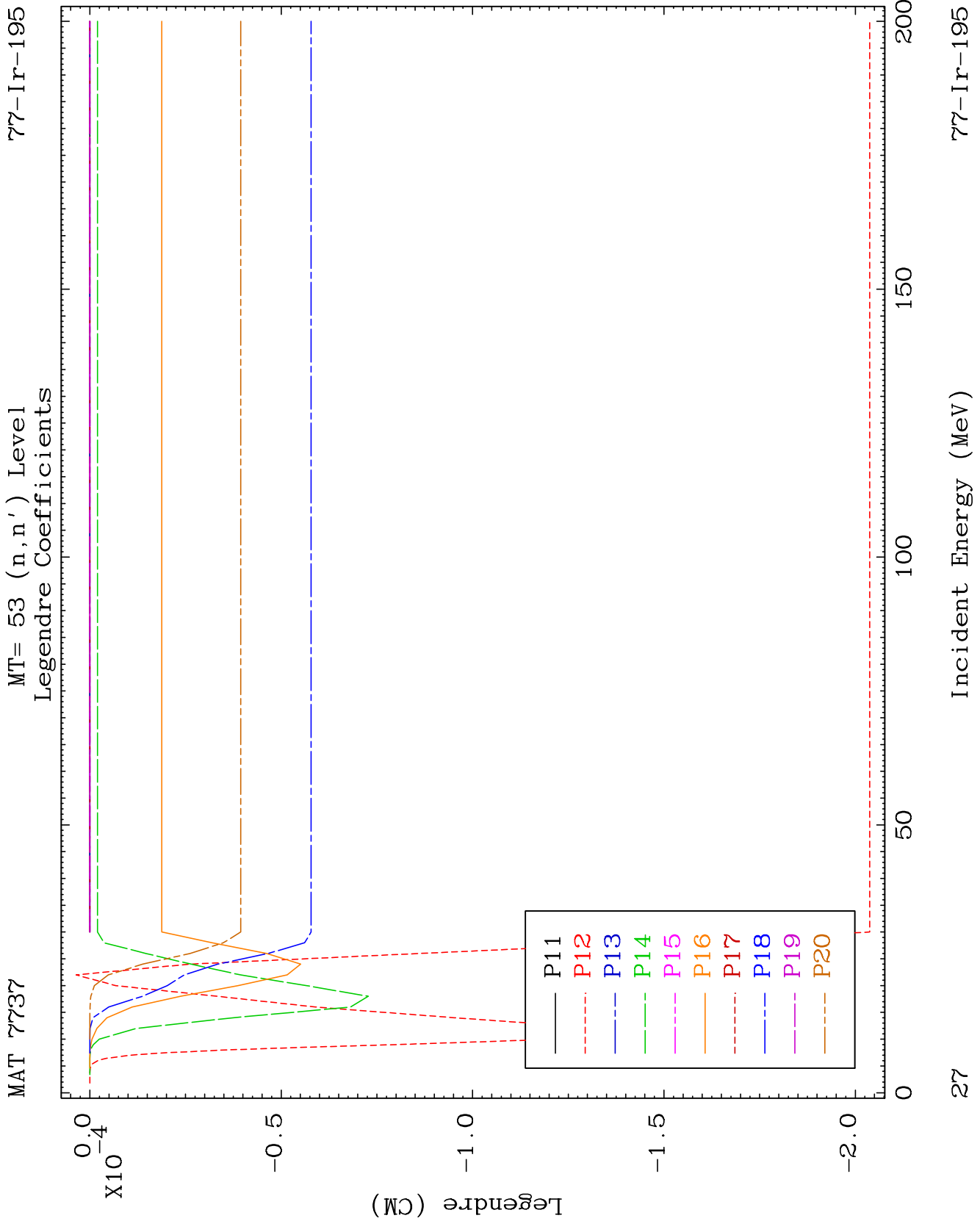
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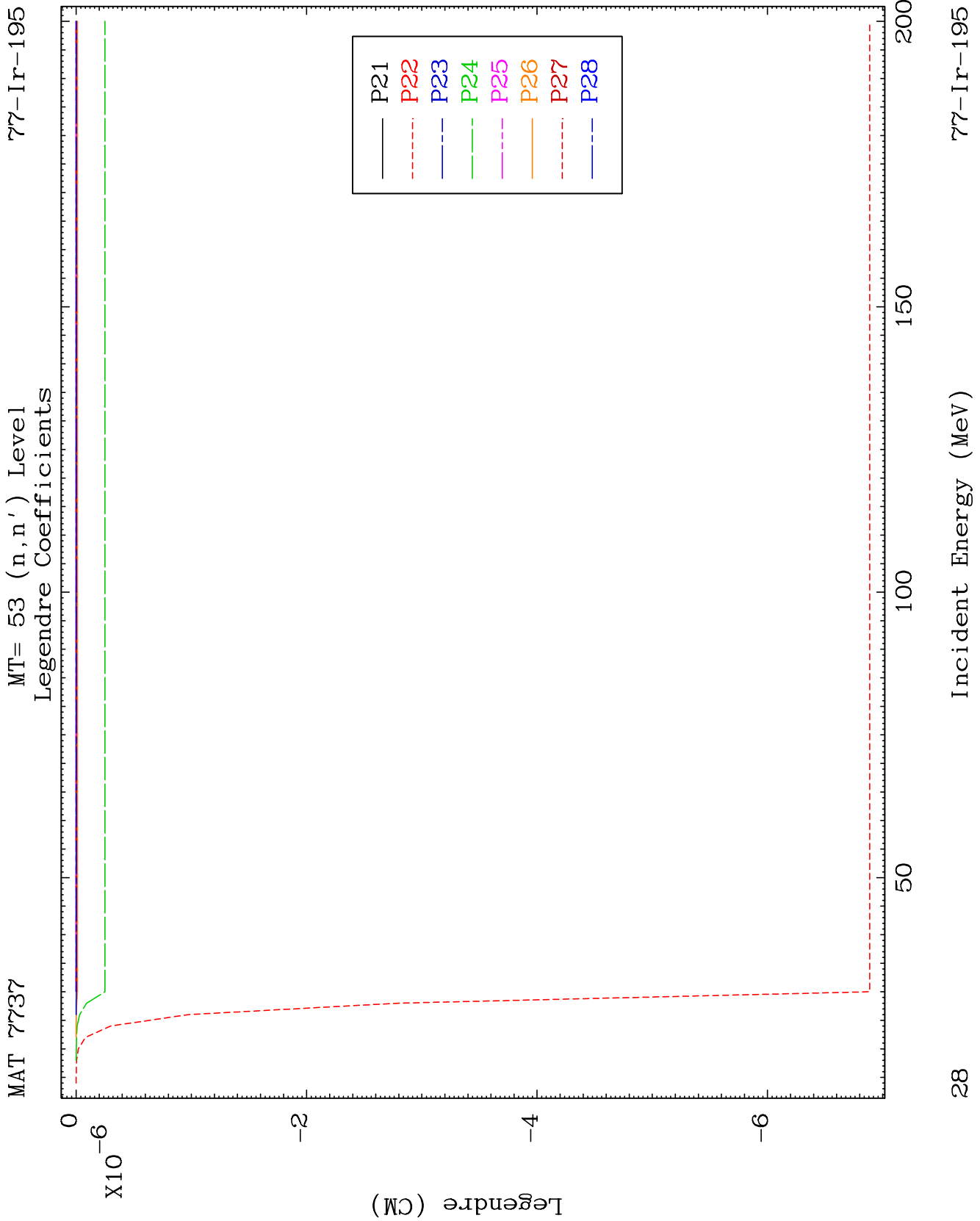
Incident Energy (MeV)

77-Ir-195





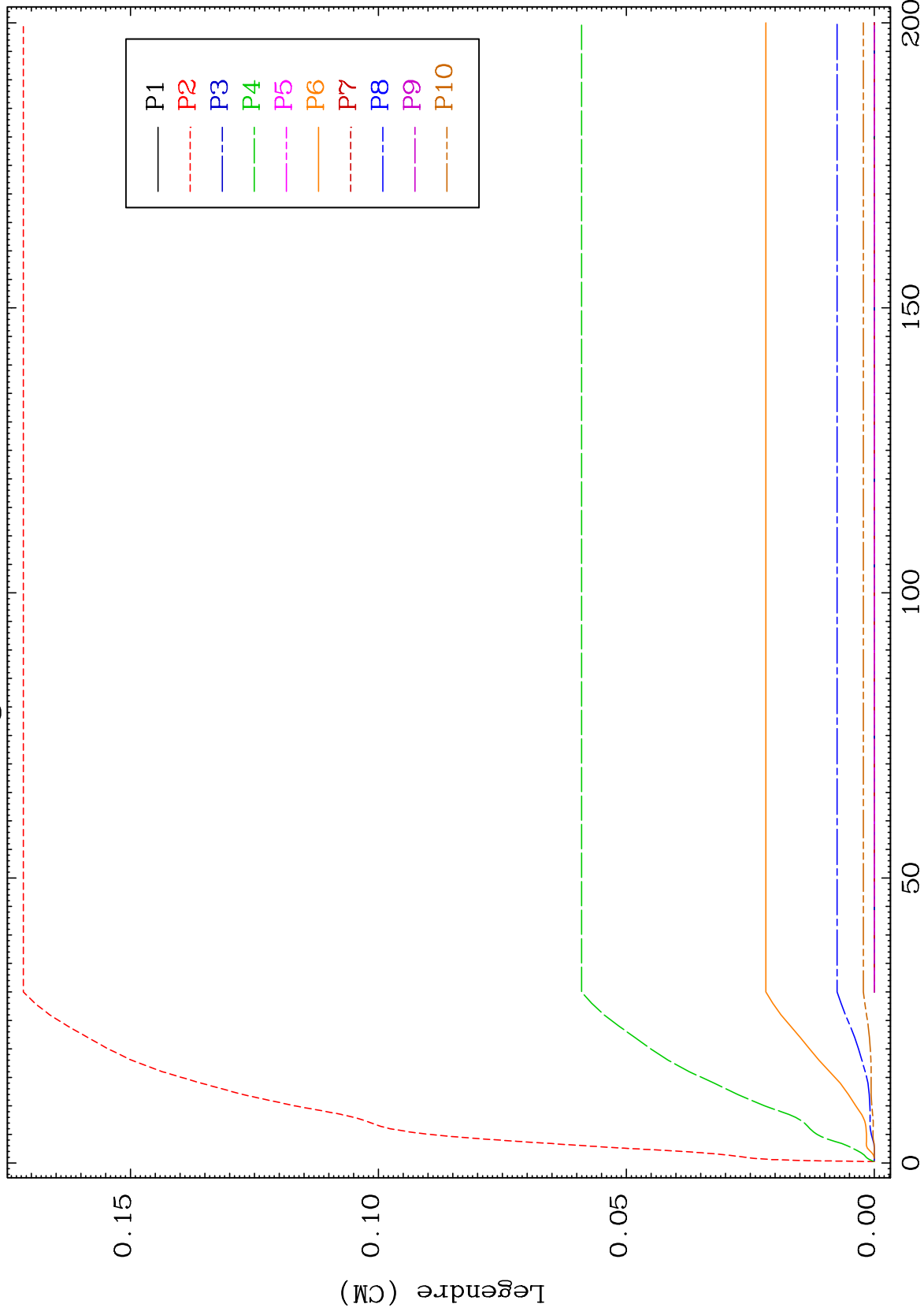




MAT 7737

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

77-Ir-195



29

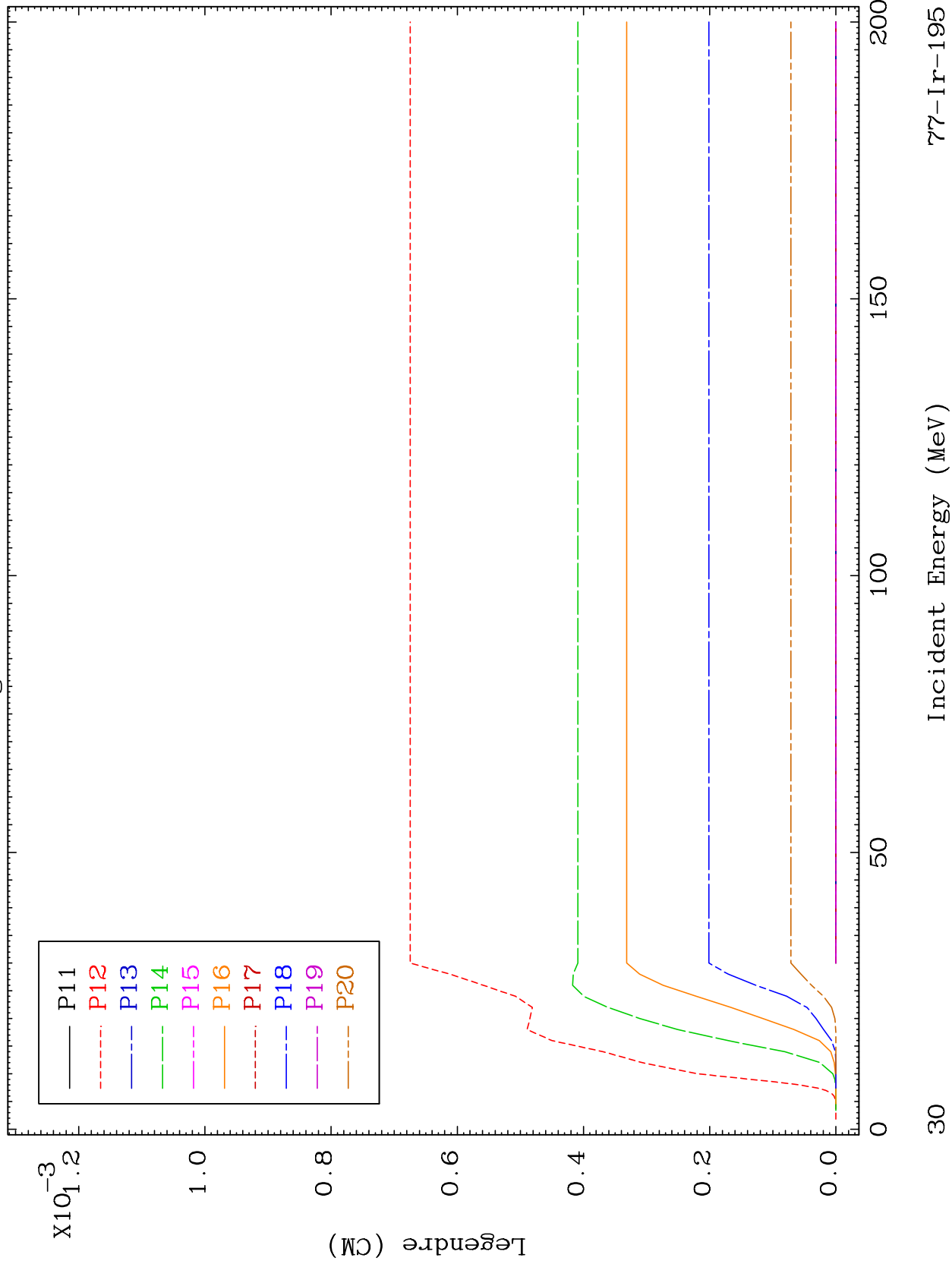
Incident Energy (MeV)

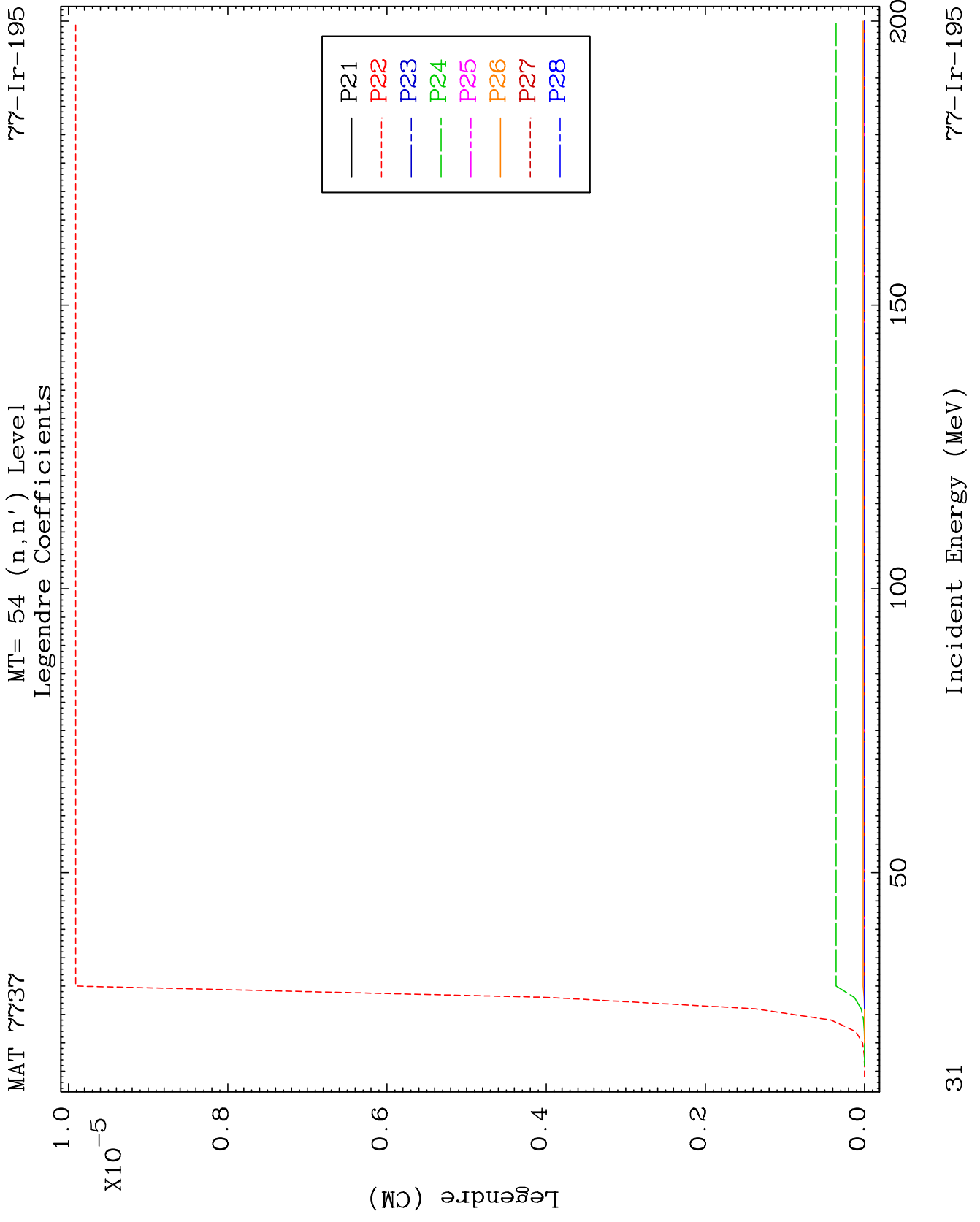
77-Ir-195

MAT 7737

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

77-Ir-195

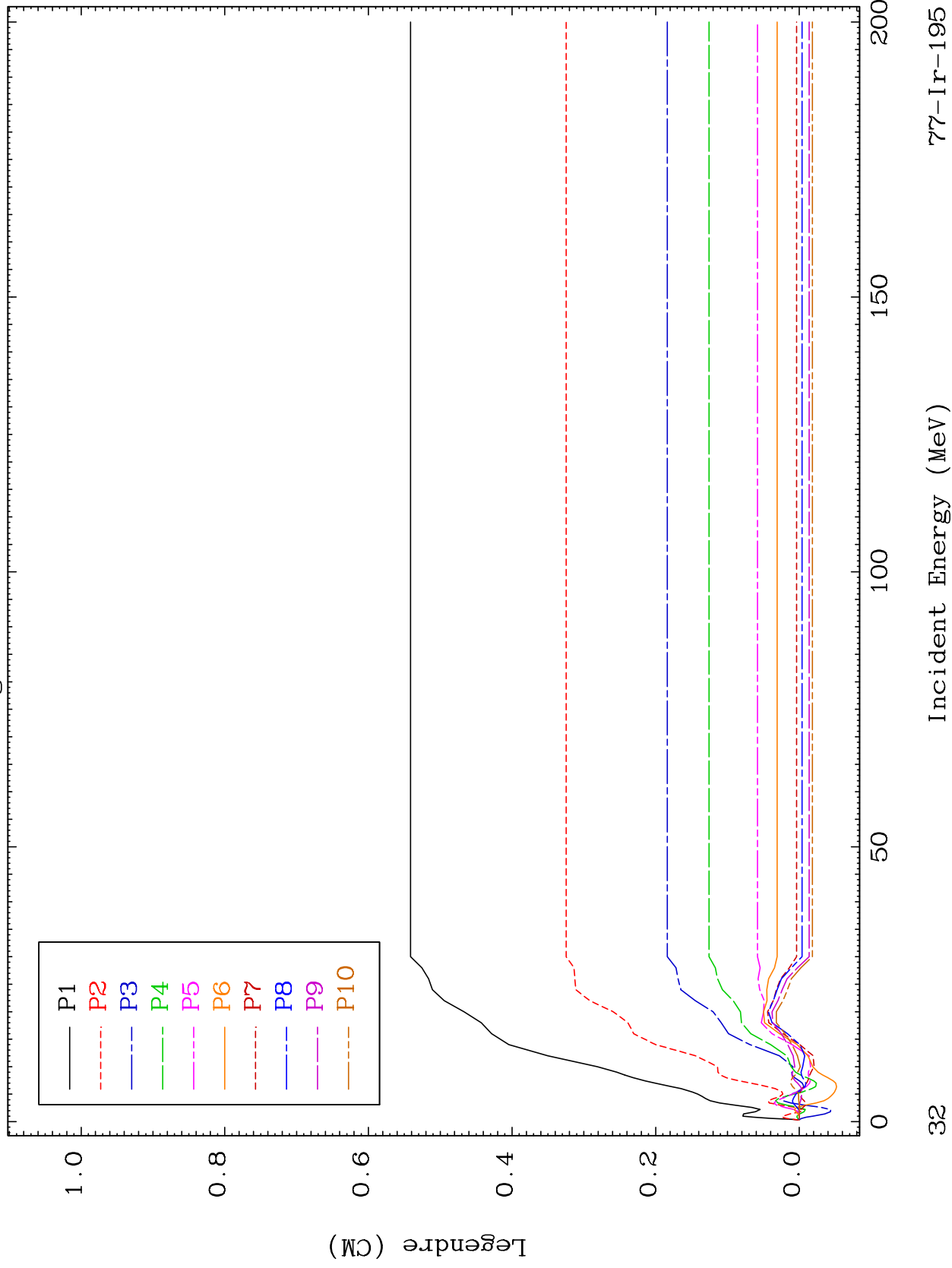




MAT 7737

77-Ir-195

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



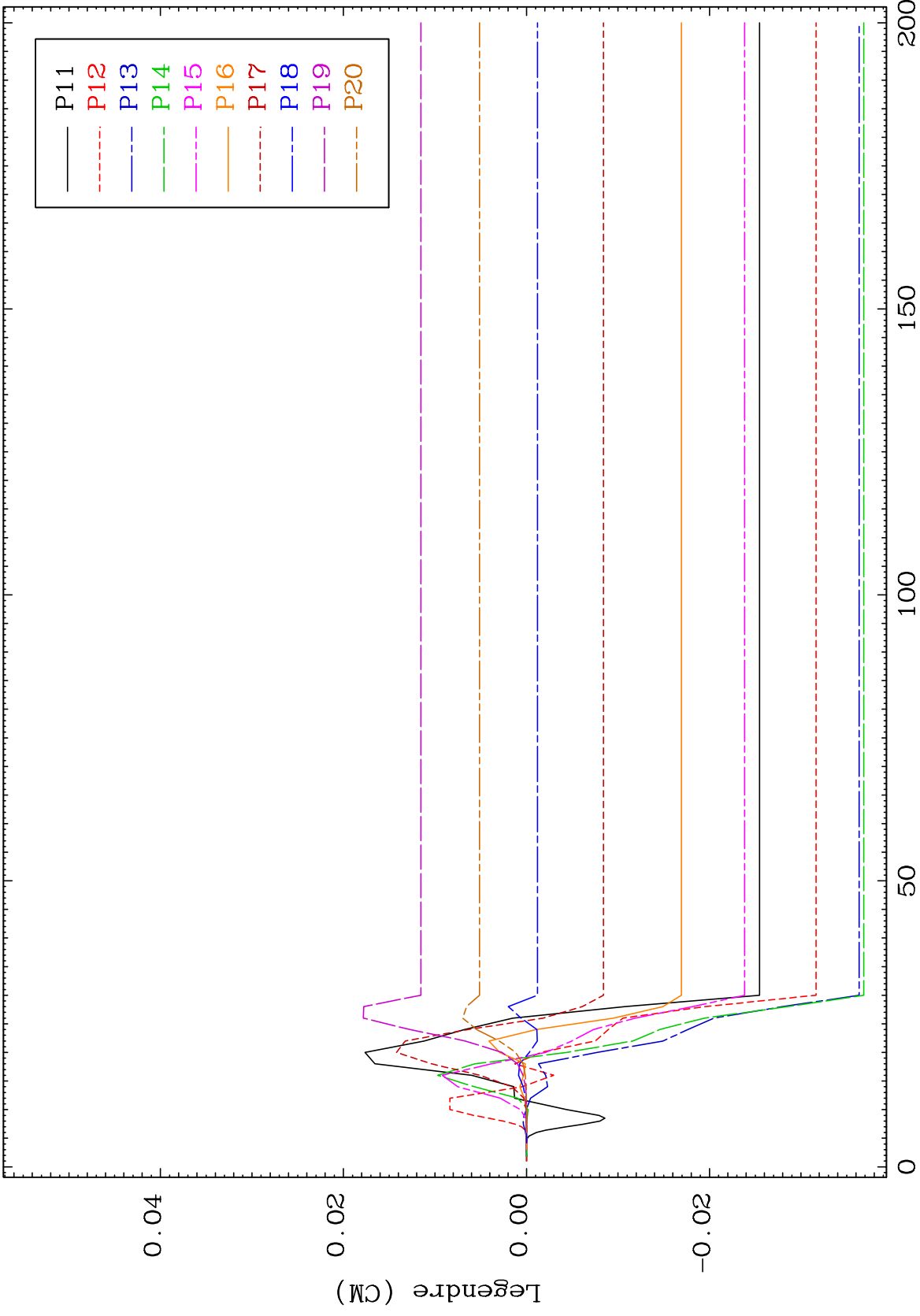
32

77-Ir-195

MAT 7737

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

77-Ir-195



33

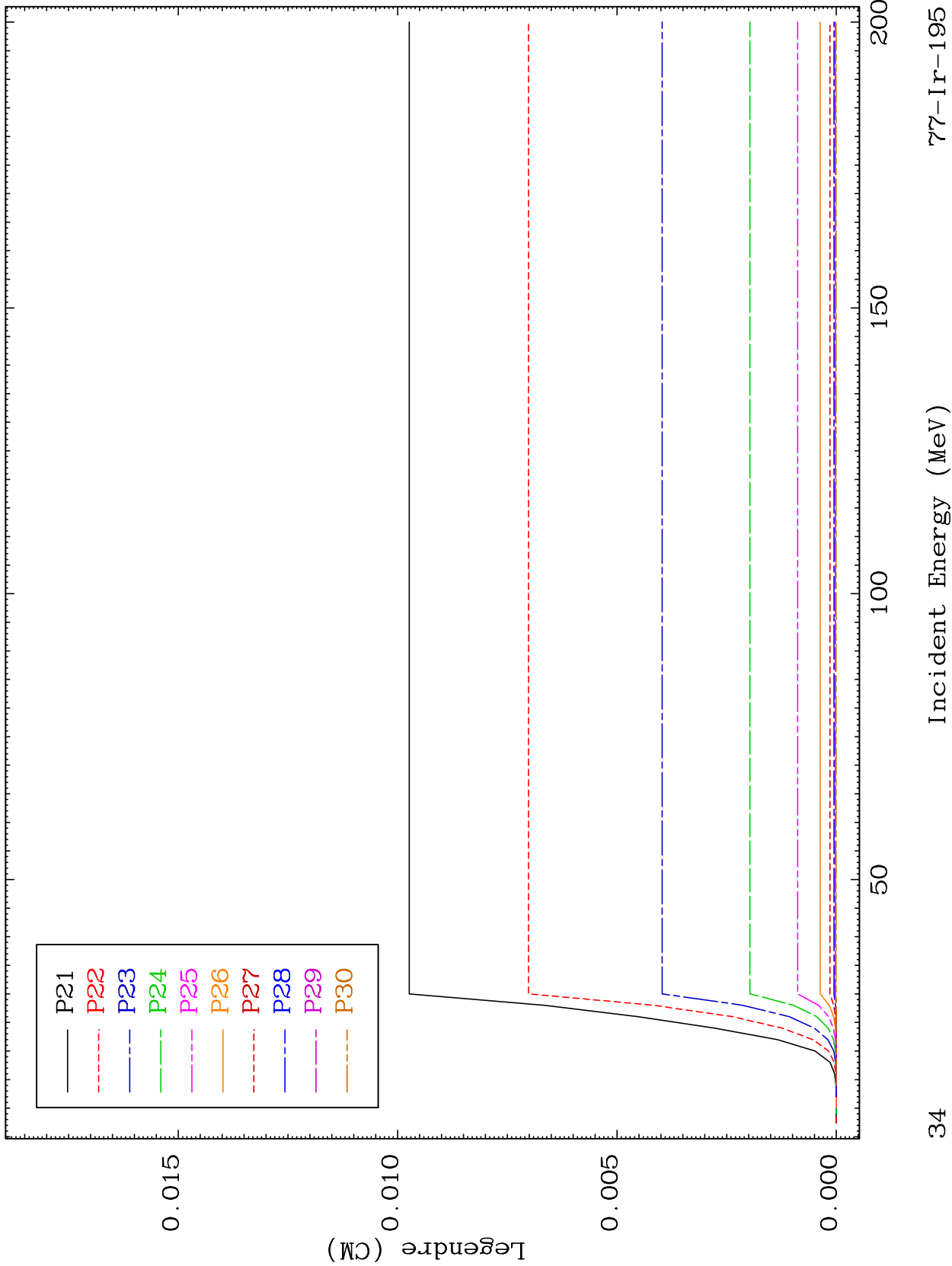
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



34

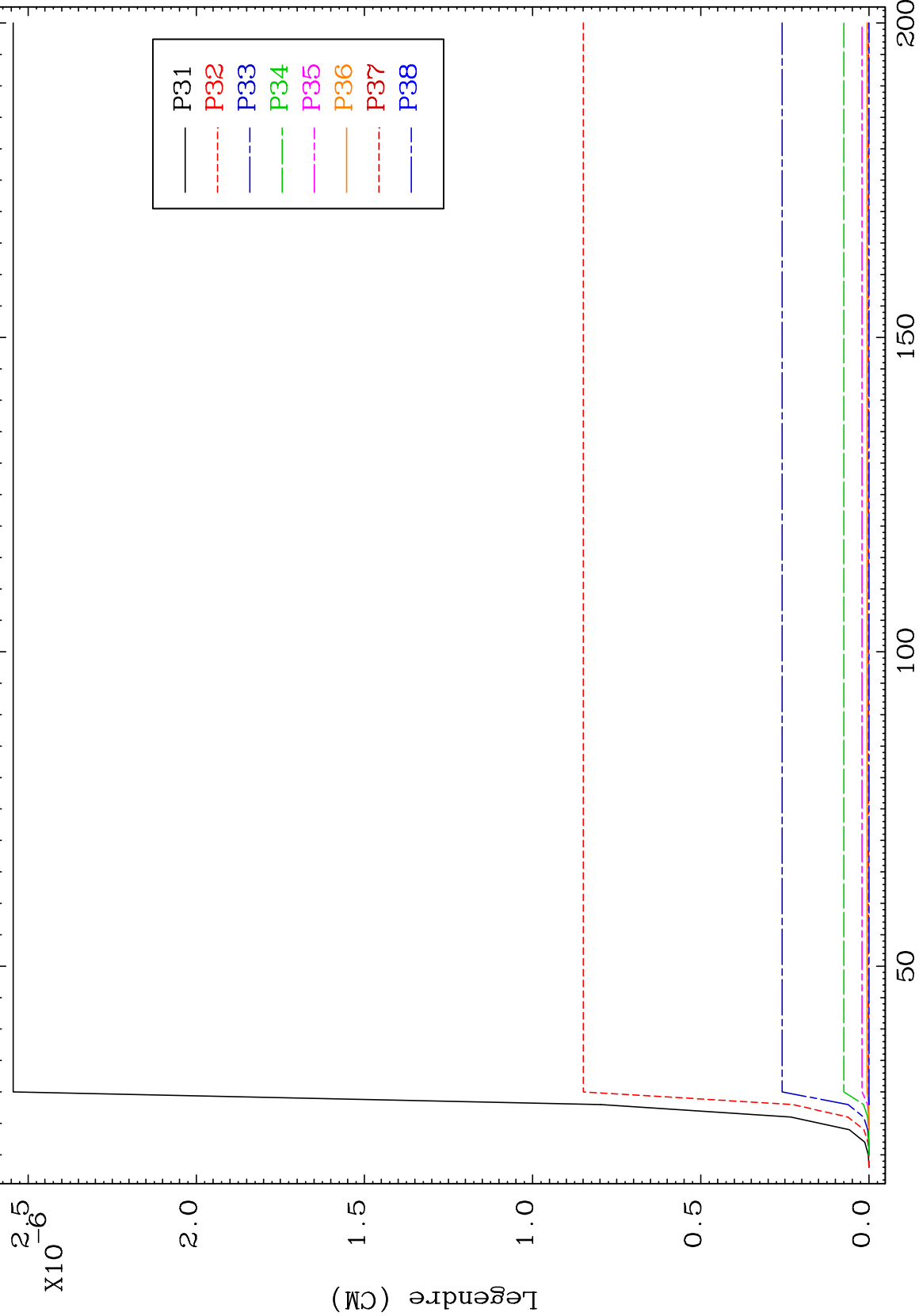
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



35

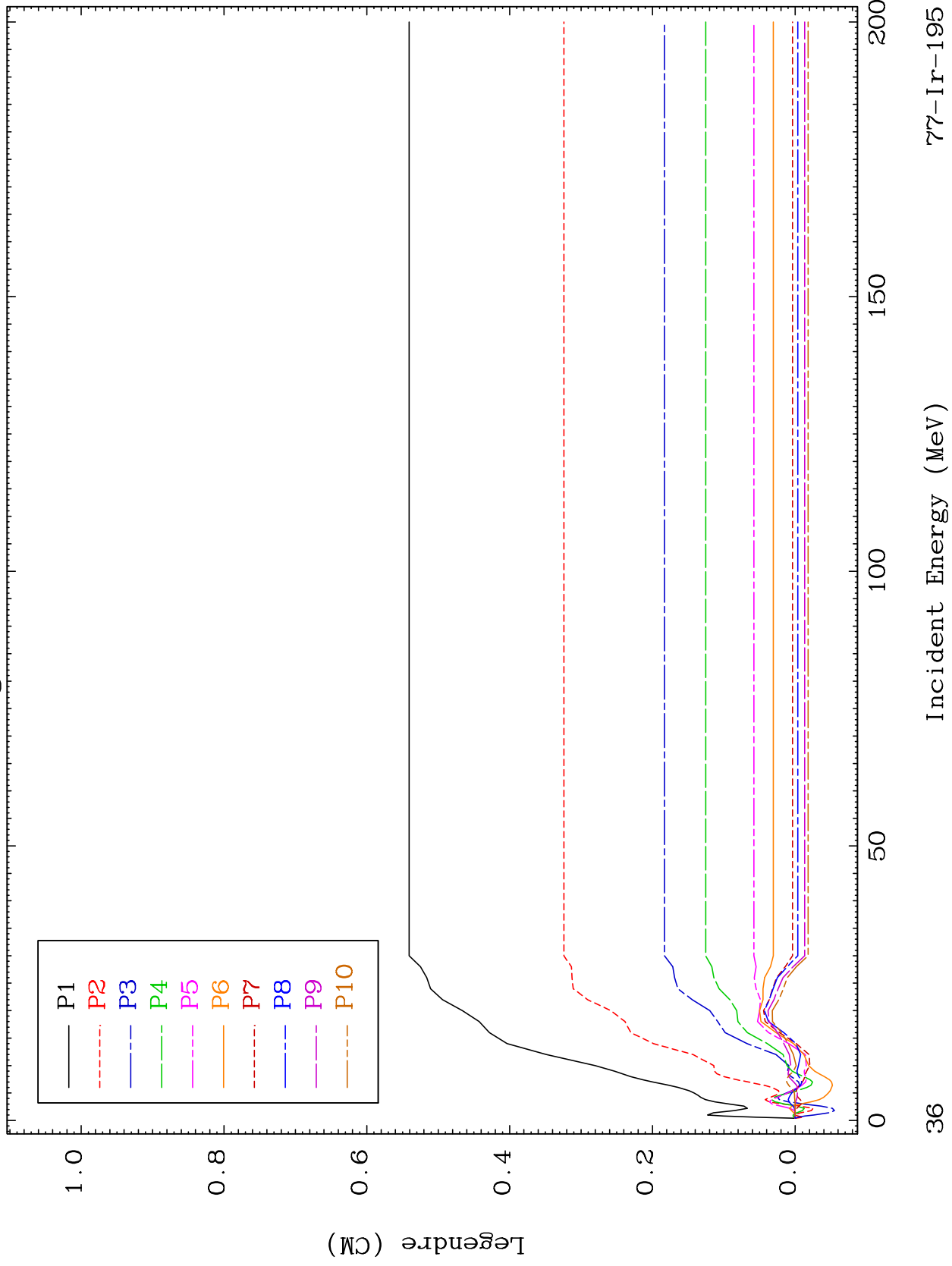
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195

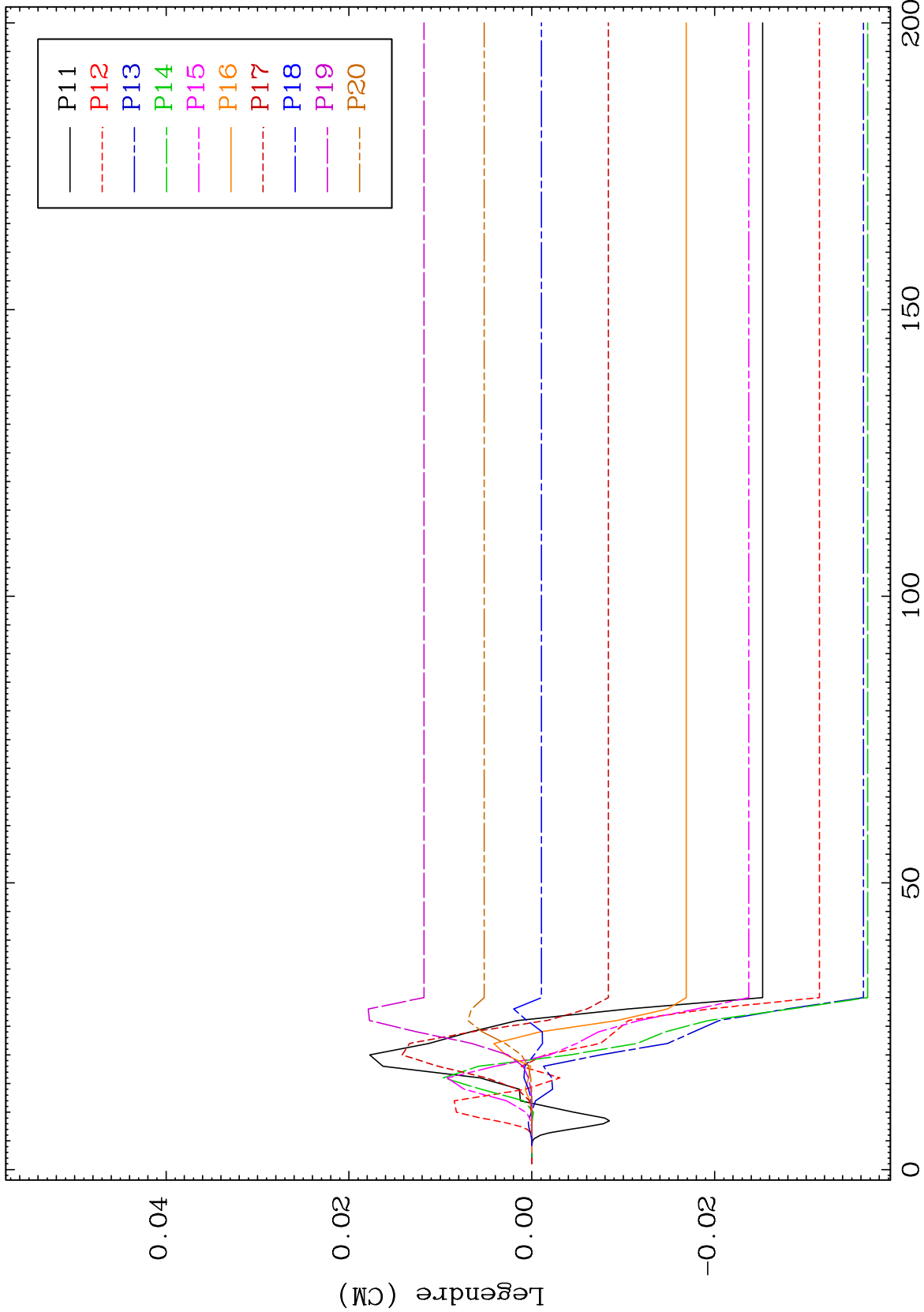


36

MAT 7737

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

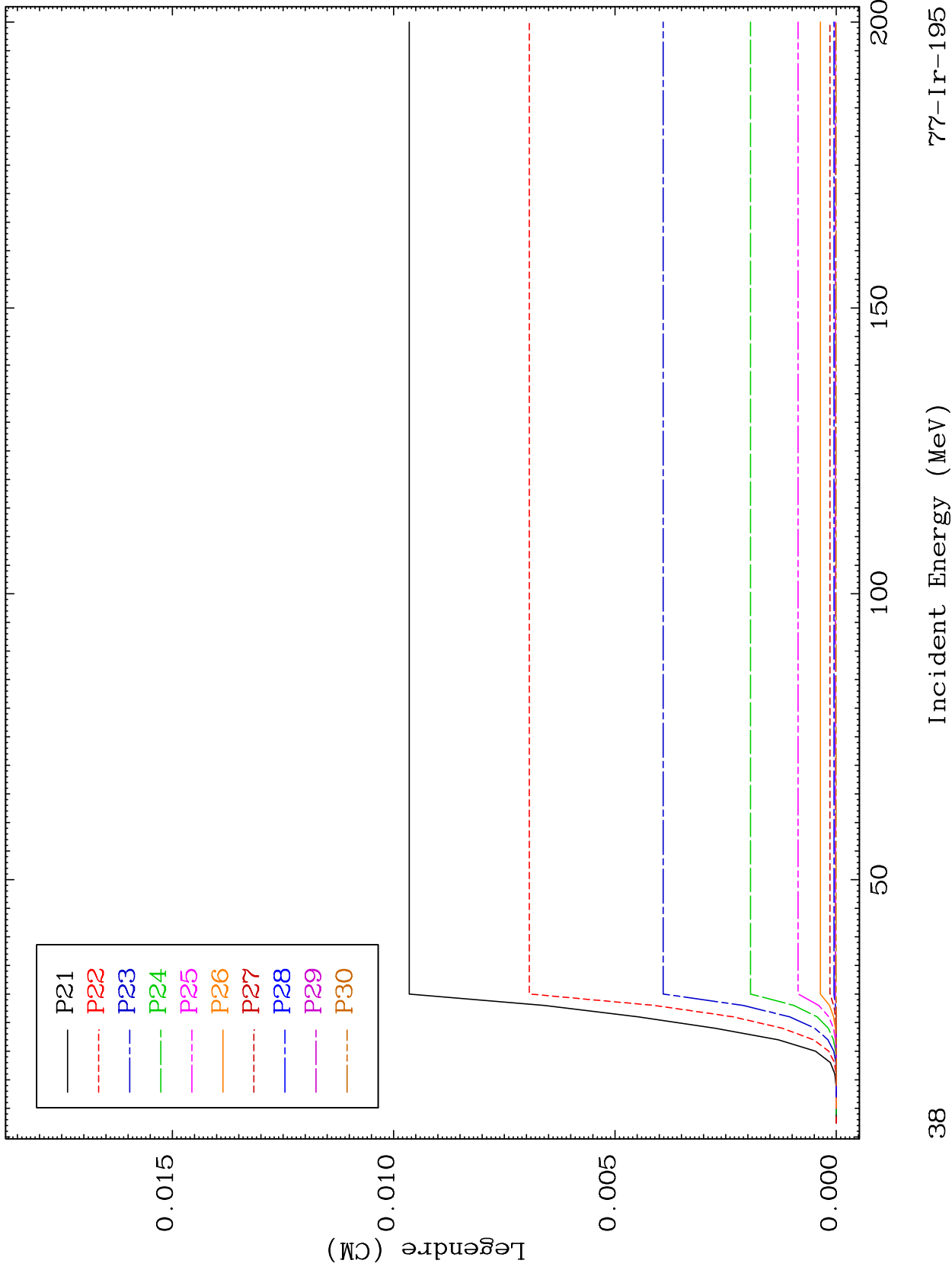
77-Ir-195



37

Incident Energy (MeV)

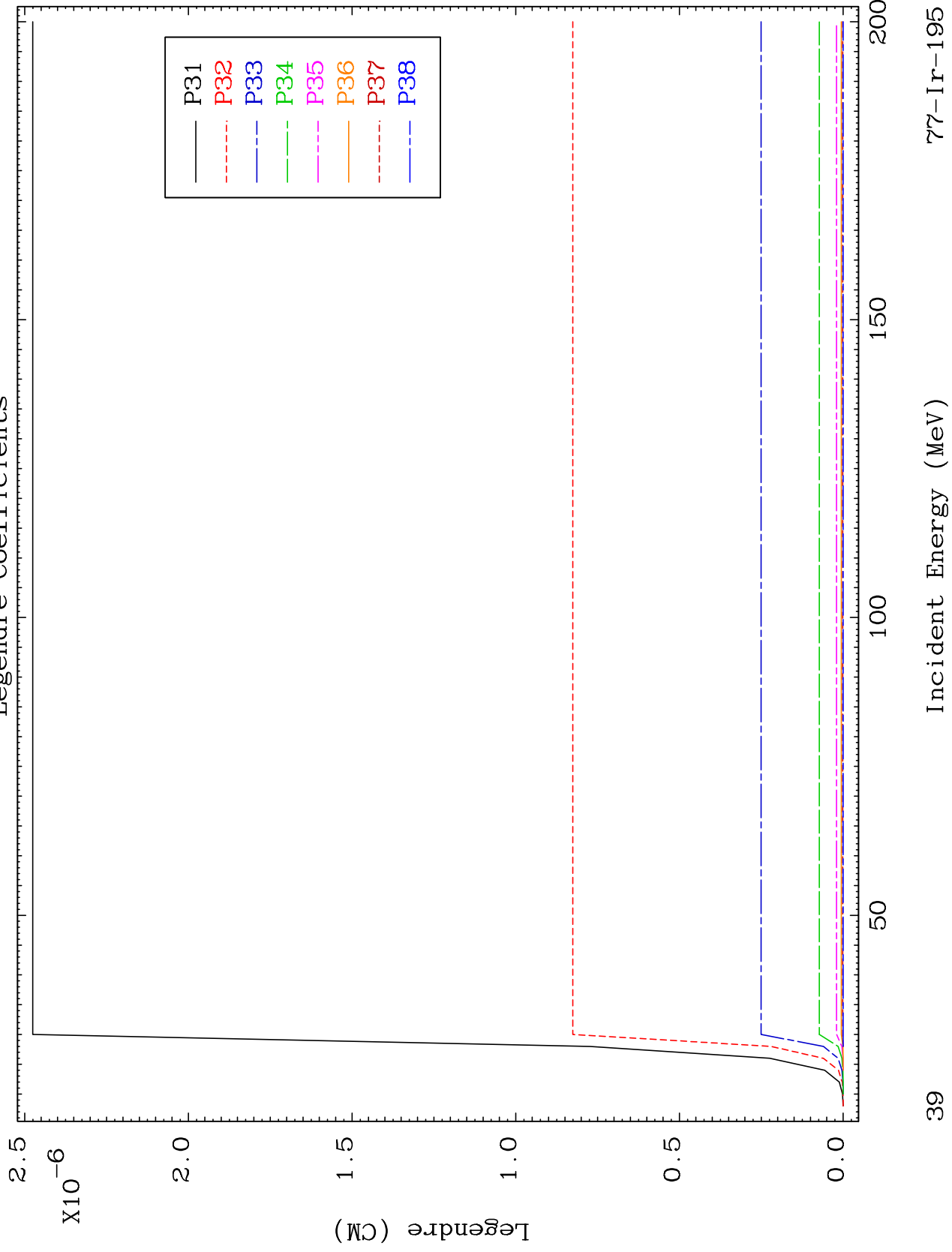
77-Ir-195



MAT 7737

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

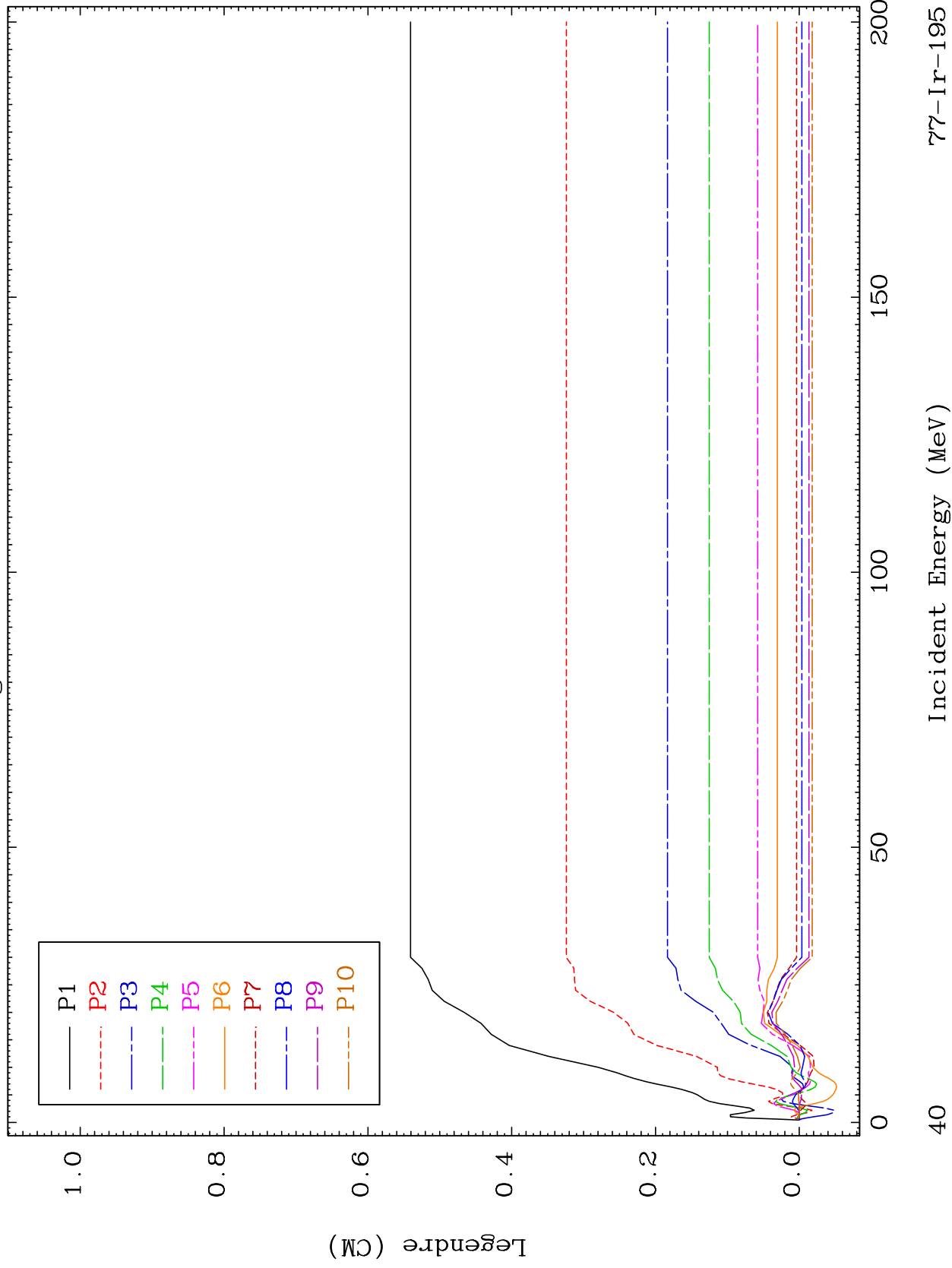
77-Ir-195



MAT 7737

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

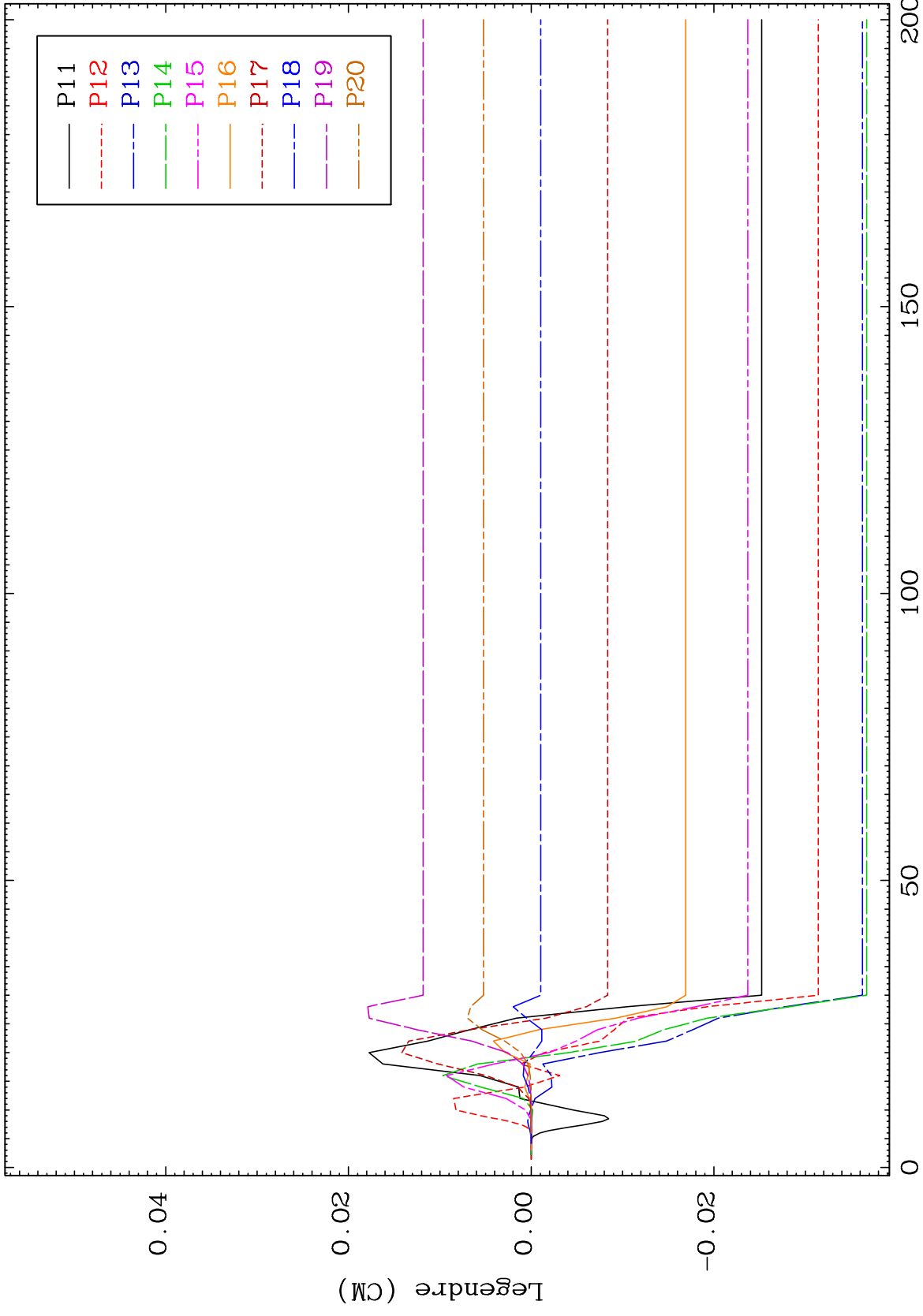
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MAT 7737

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

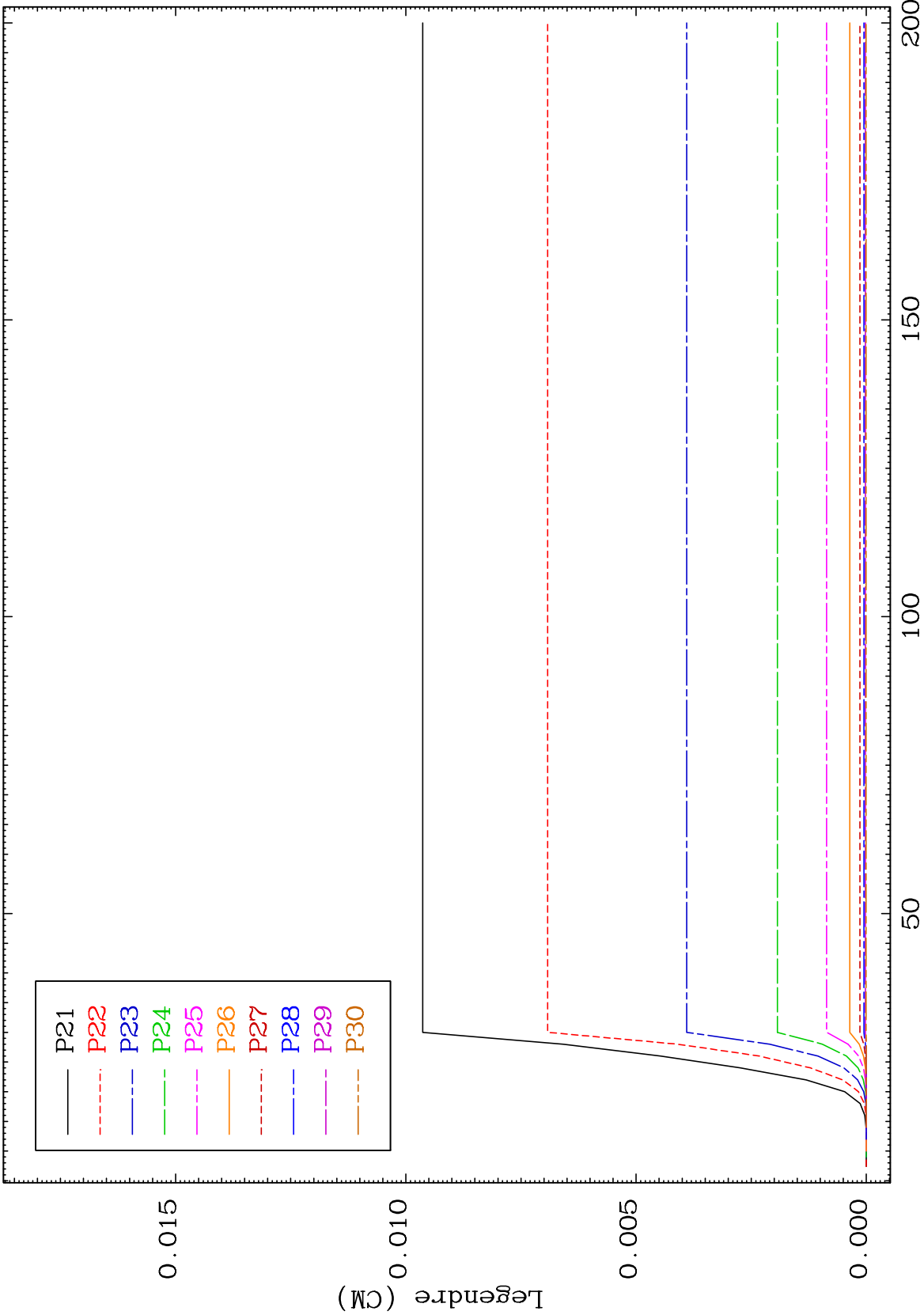
77-Ir-195



MAT 7737

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

77-Ir-195



42

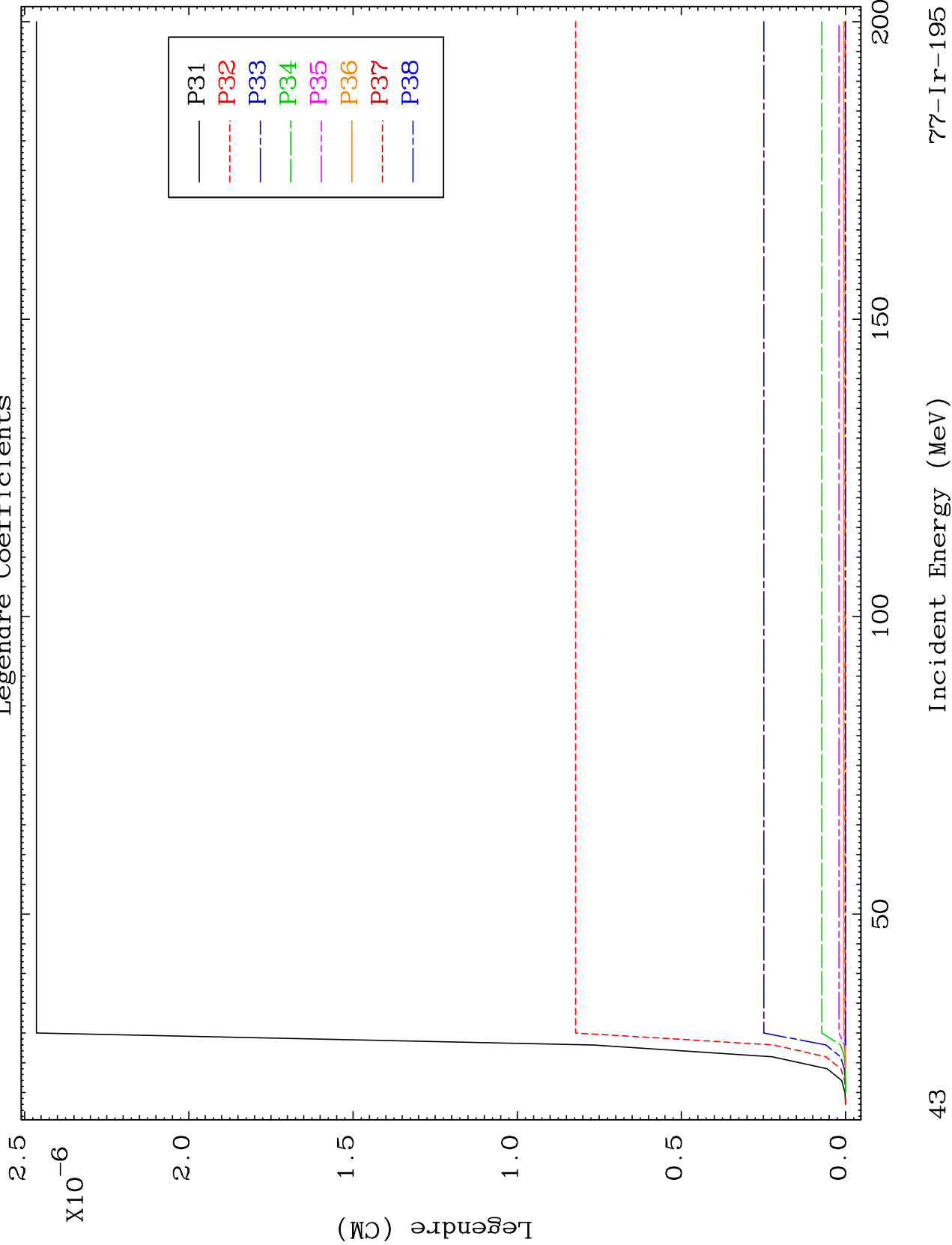
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



43

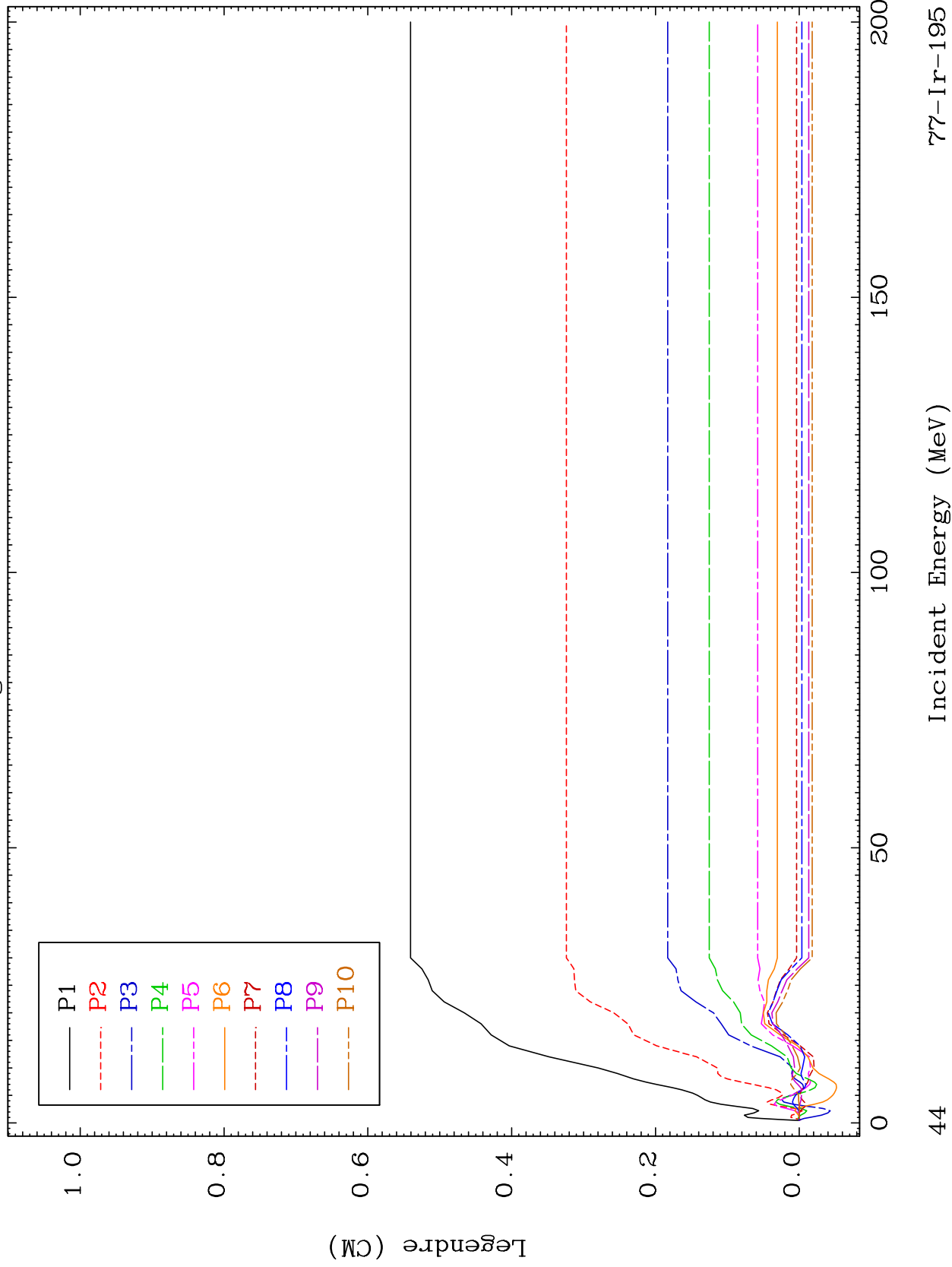
Incident Energy (MeV)

77-Ir-195

MAT 7737

77-Ir-195

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



77-Ir-195

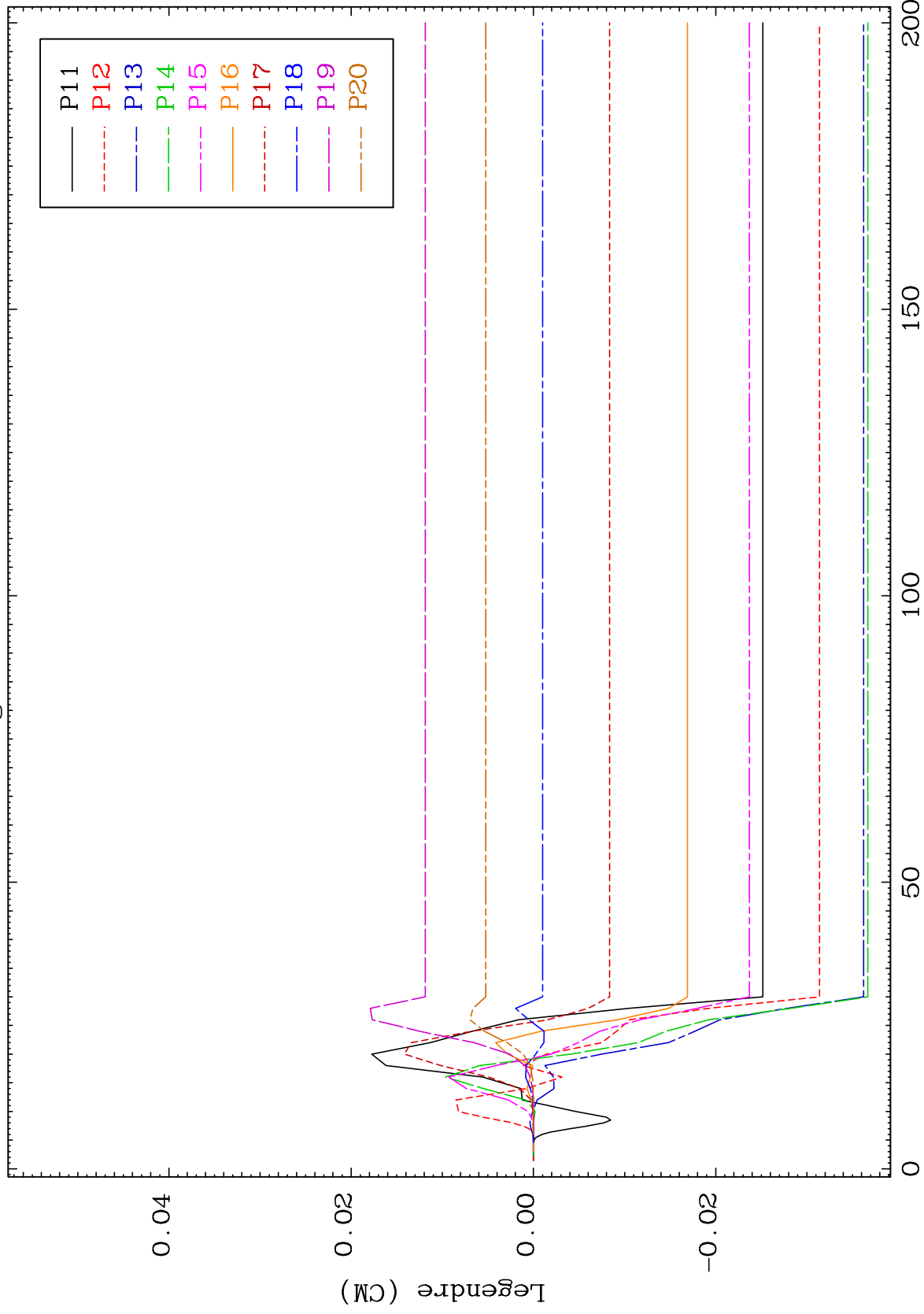
Incident Energy (MeV)

44

MAT 7737

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

77-Ir-195



45

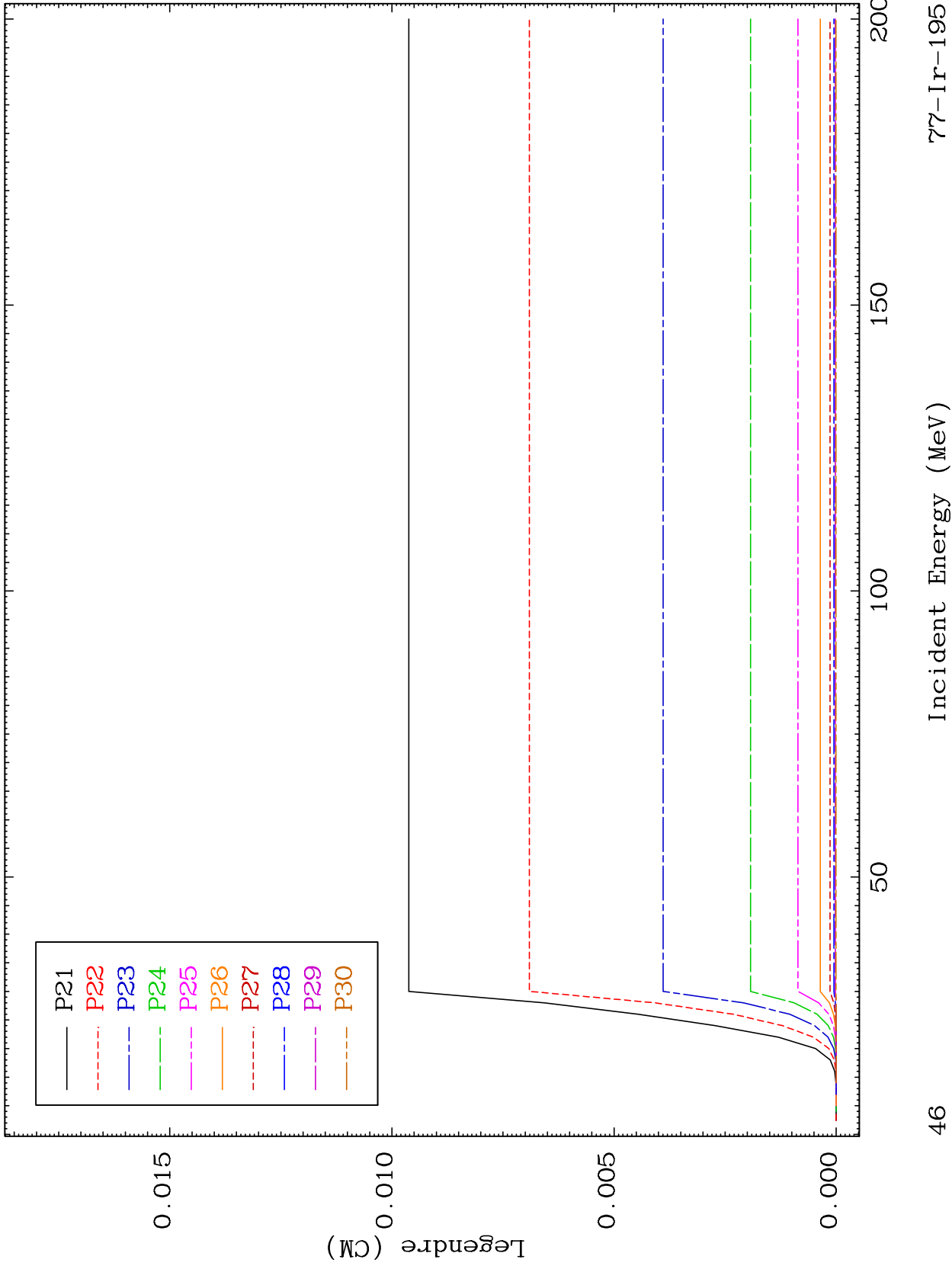
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



46

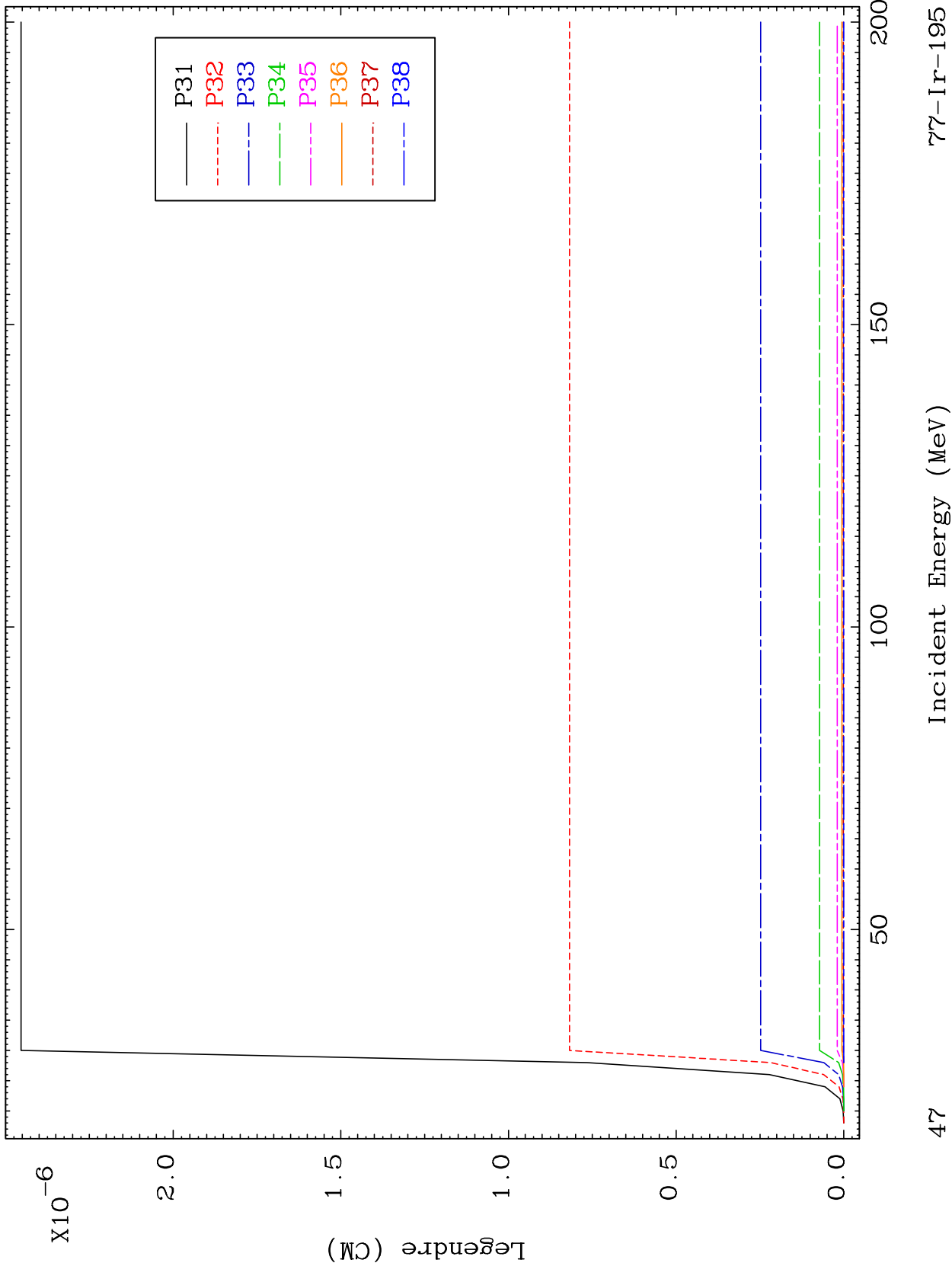
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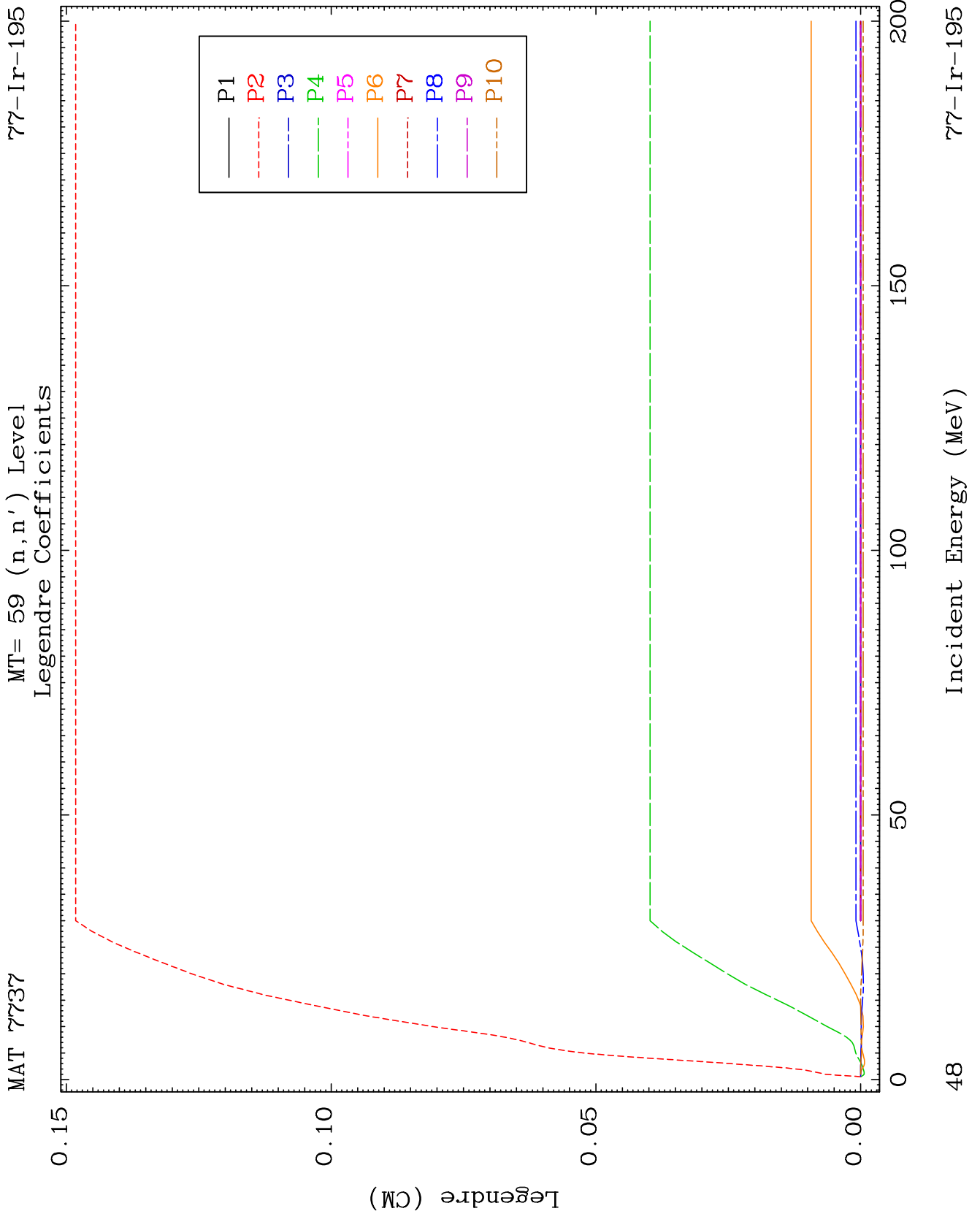
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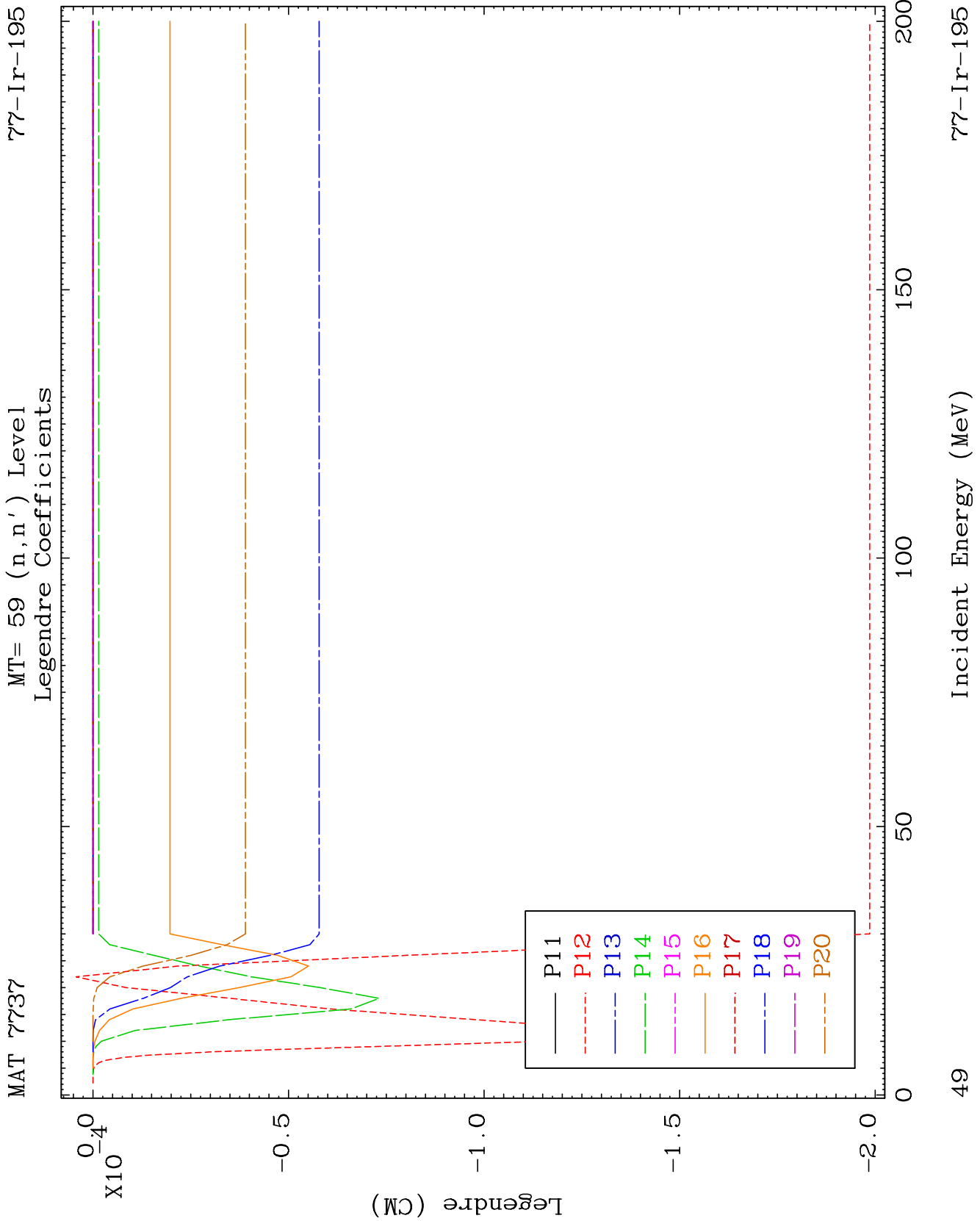
MAT 7737

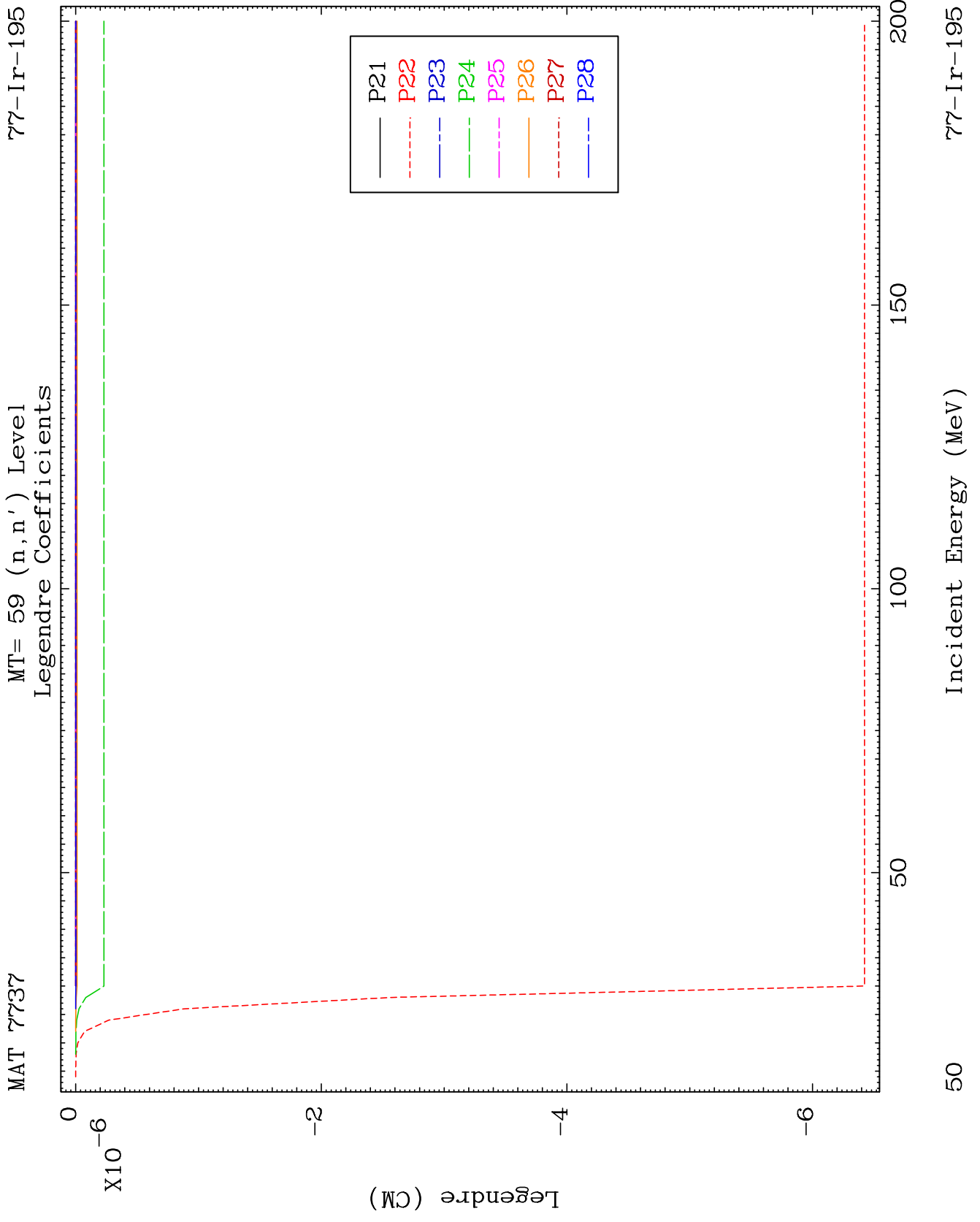
MT= 58 (n,n') Level
Legendre Coefficients

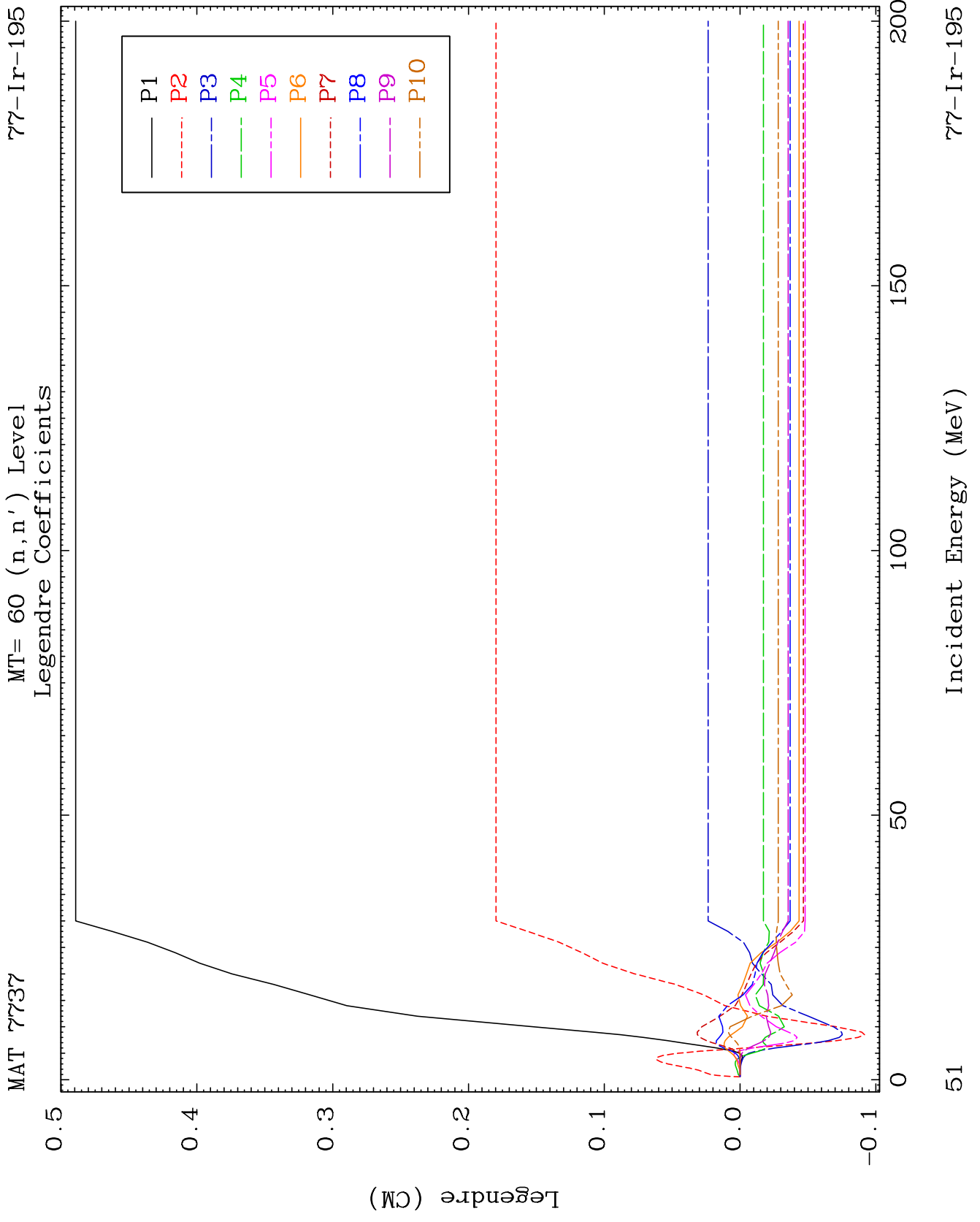
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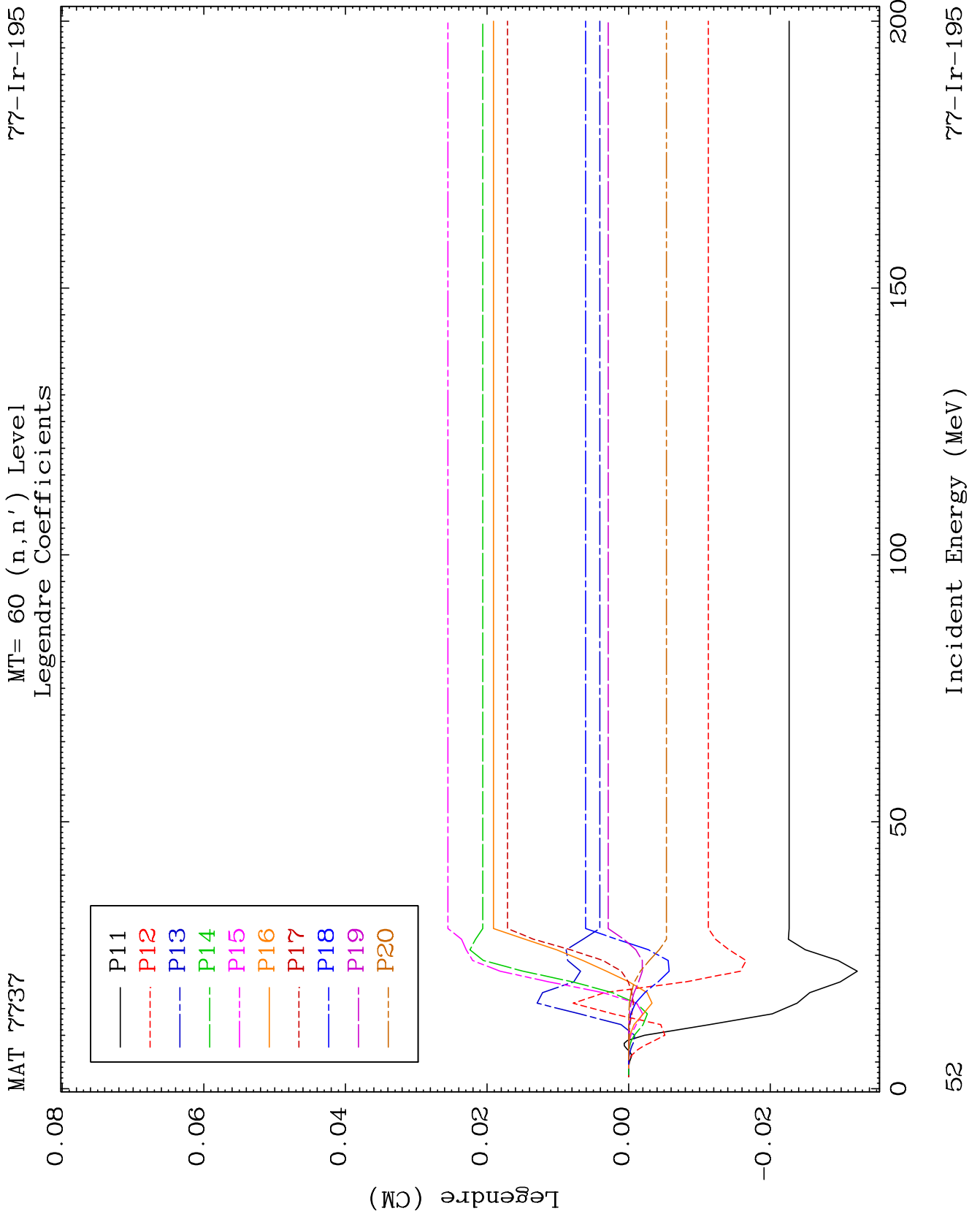








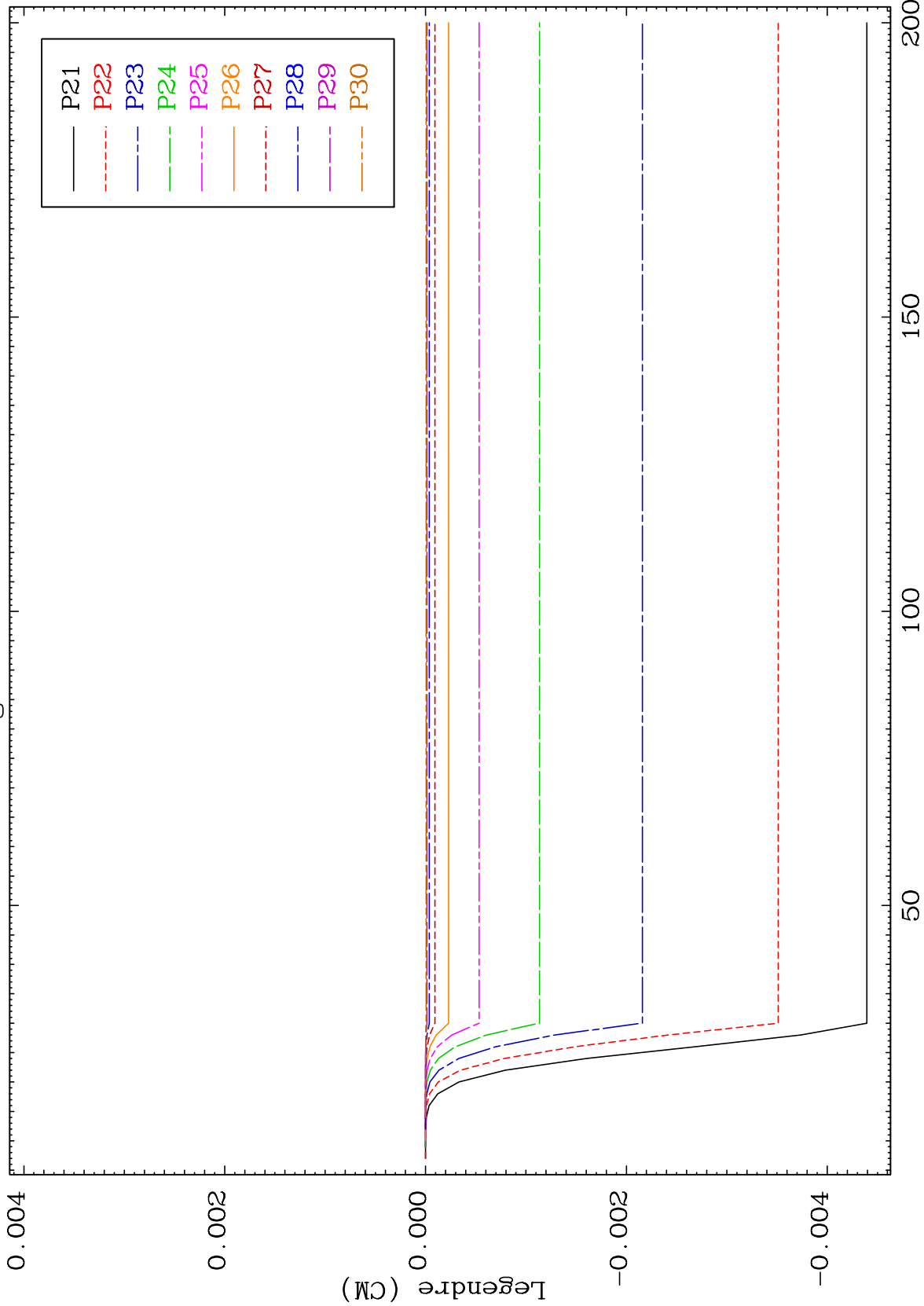


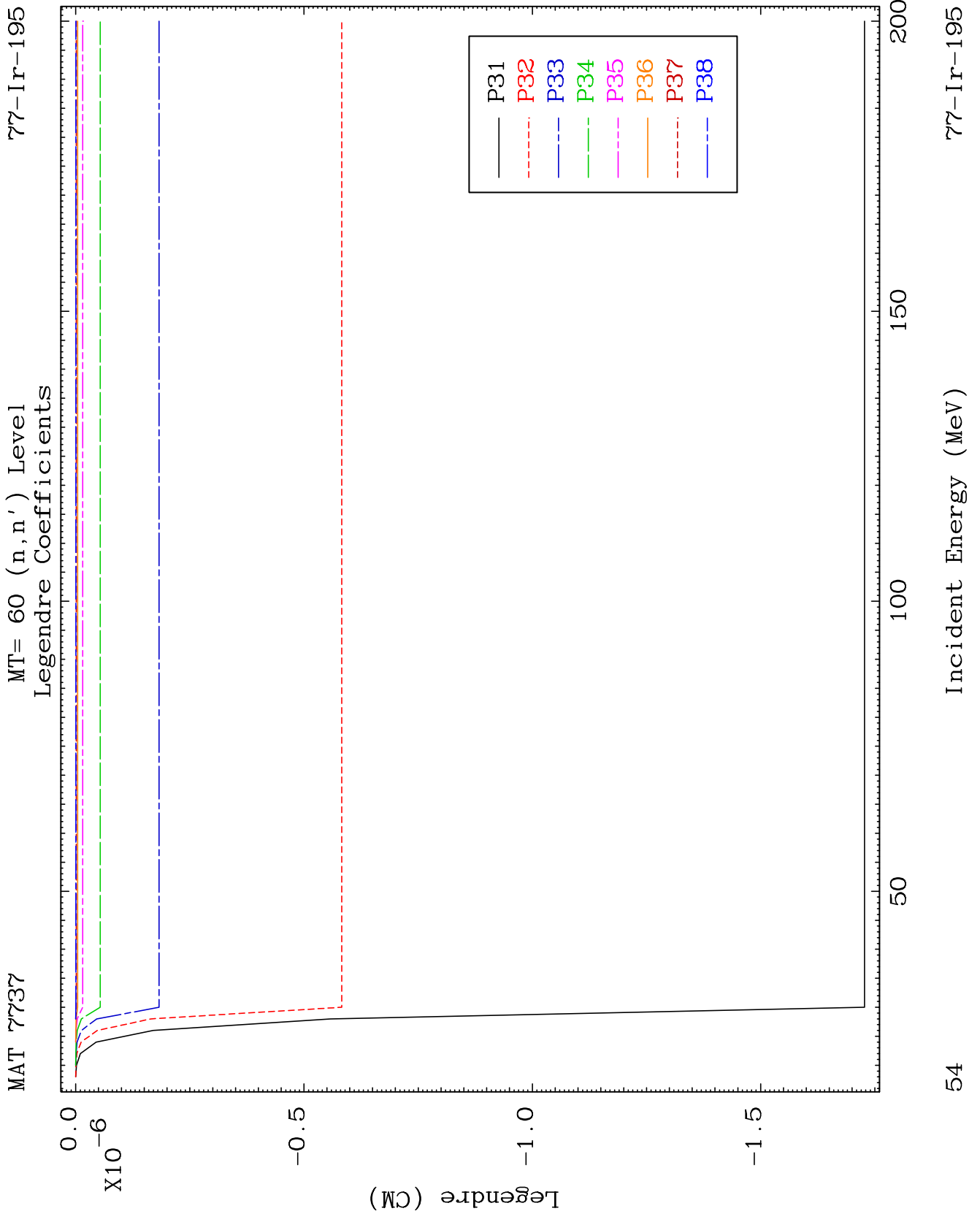


MAT 7737

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

77-Ir-195

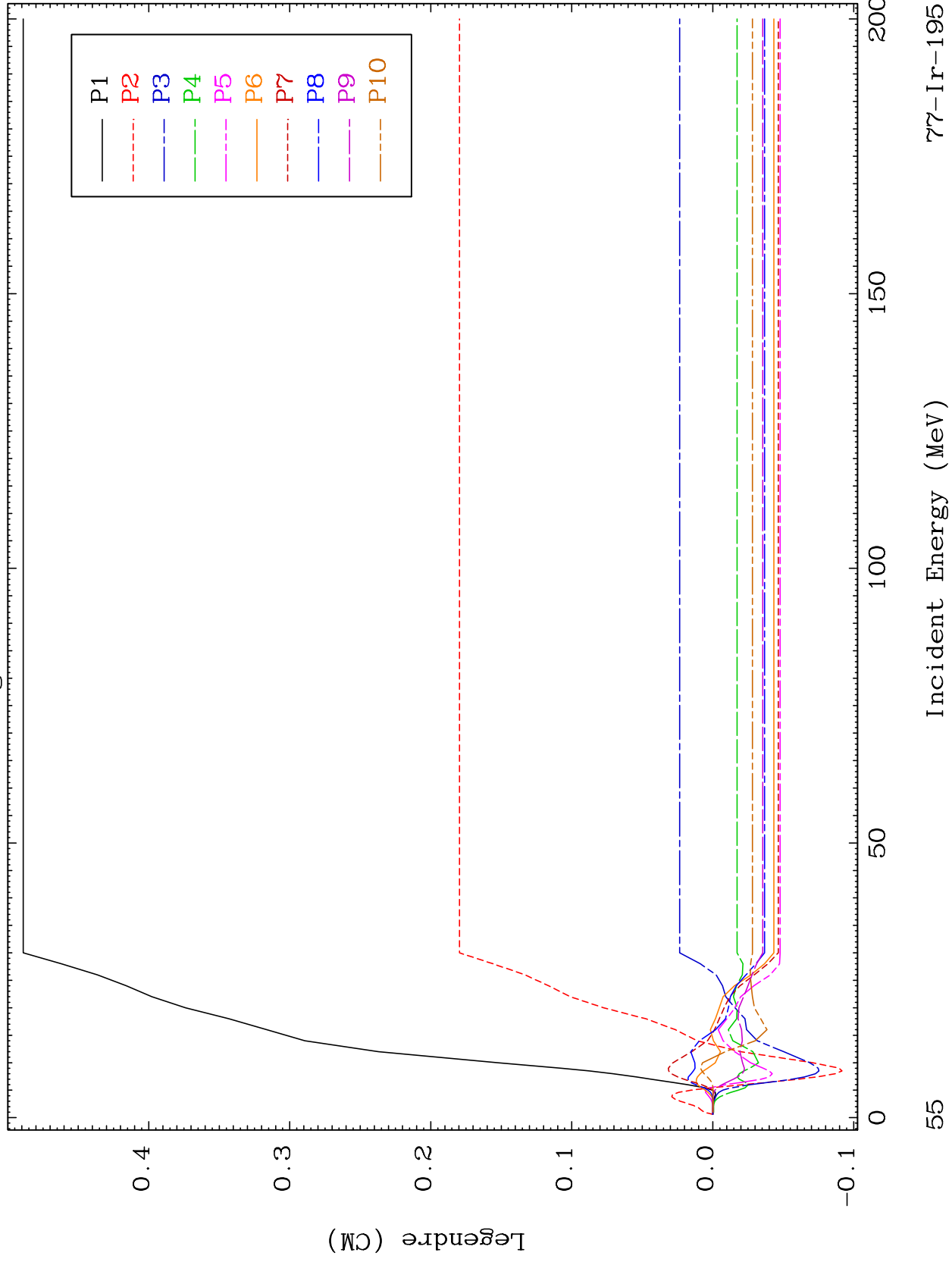




MAT 7737

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

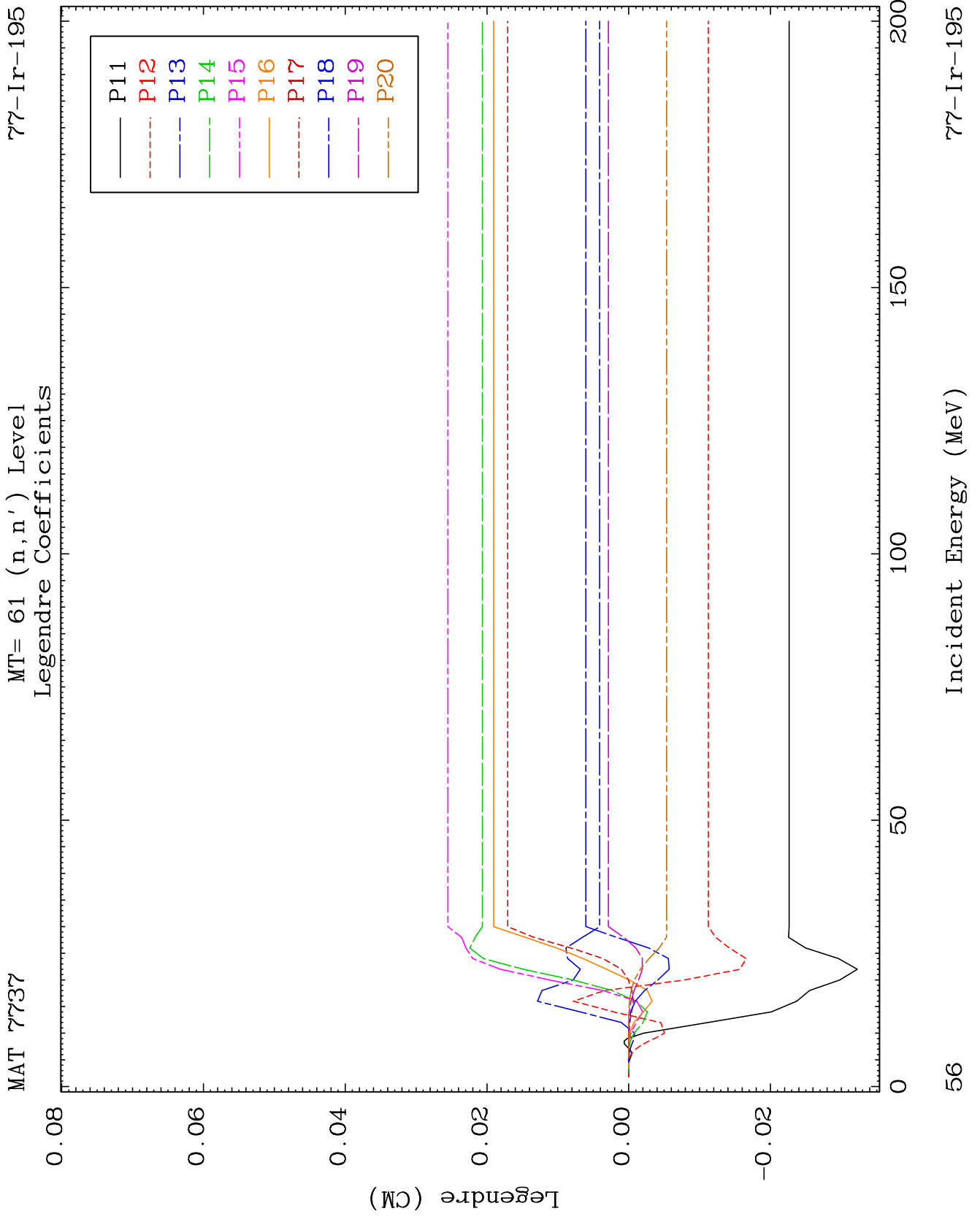
77-Ir-195



77-Ir-195

Incident Energy (MeV)

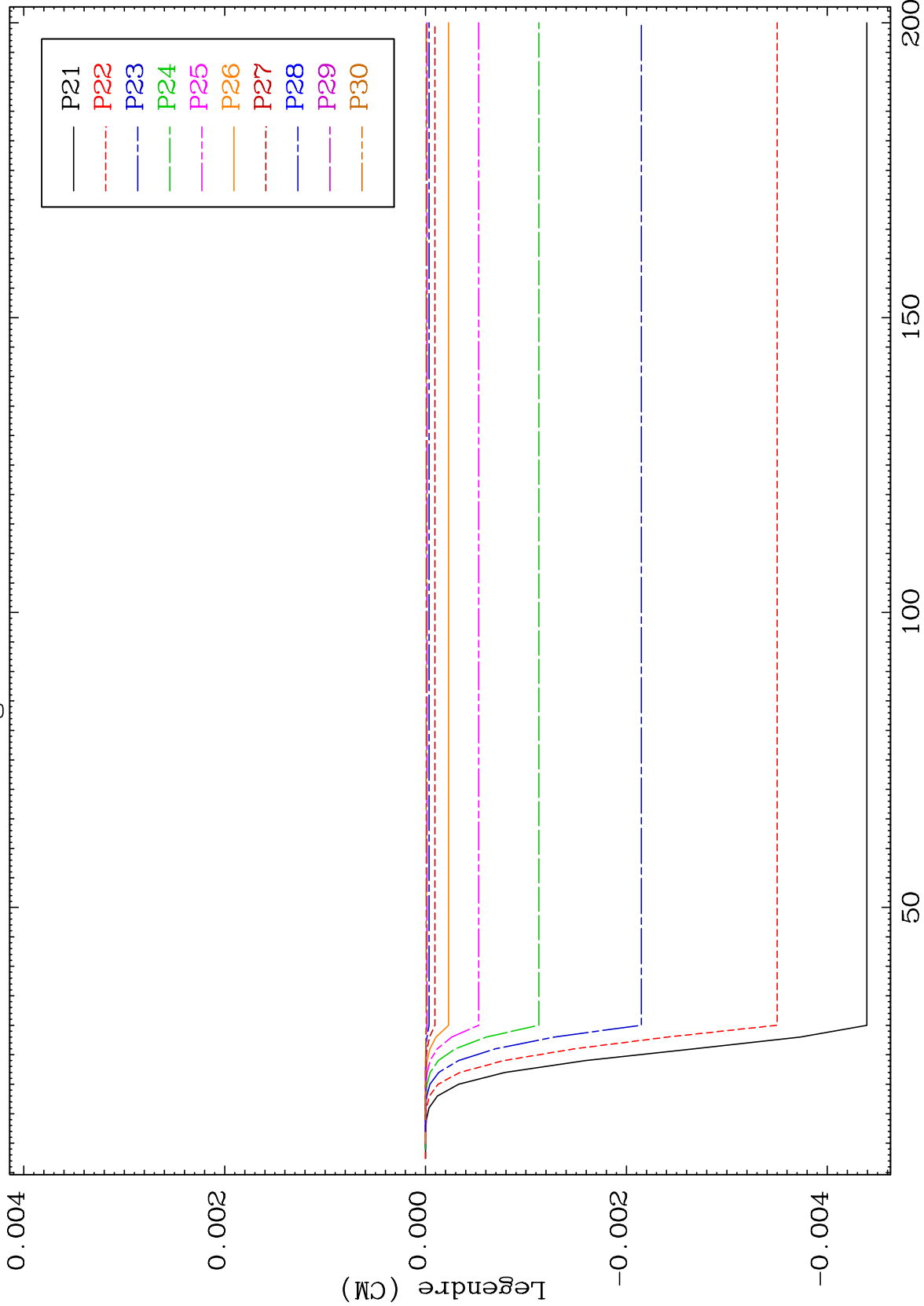
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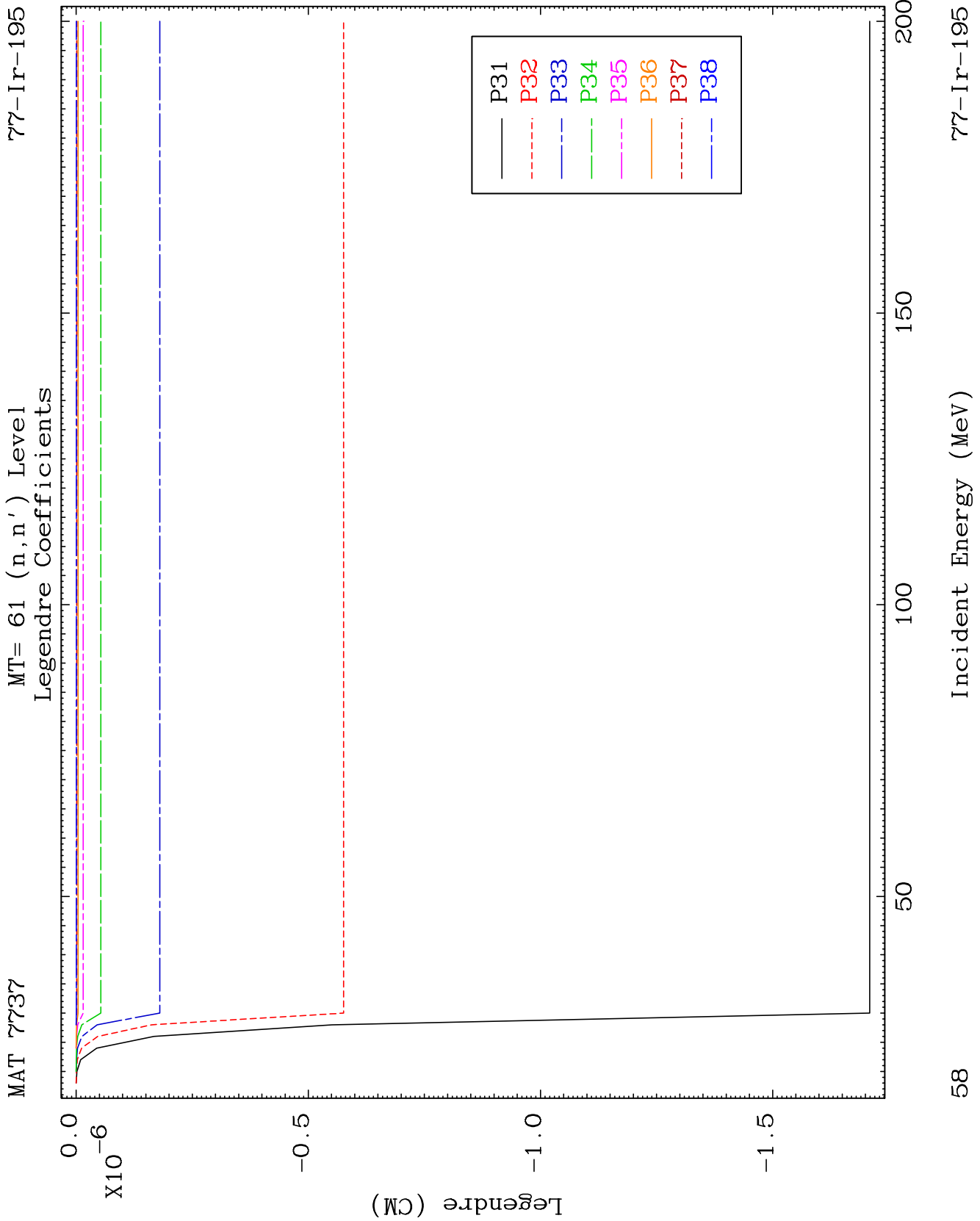


MAT 7737

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

77-Ir-195

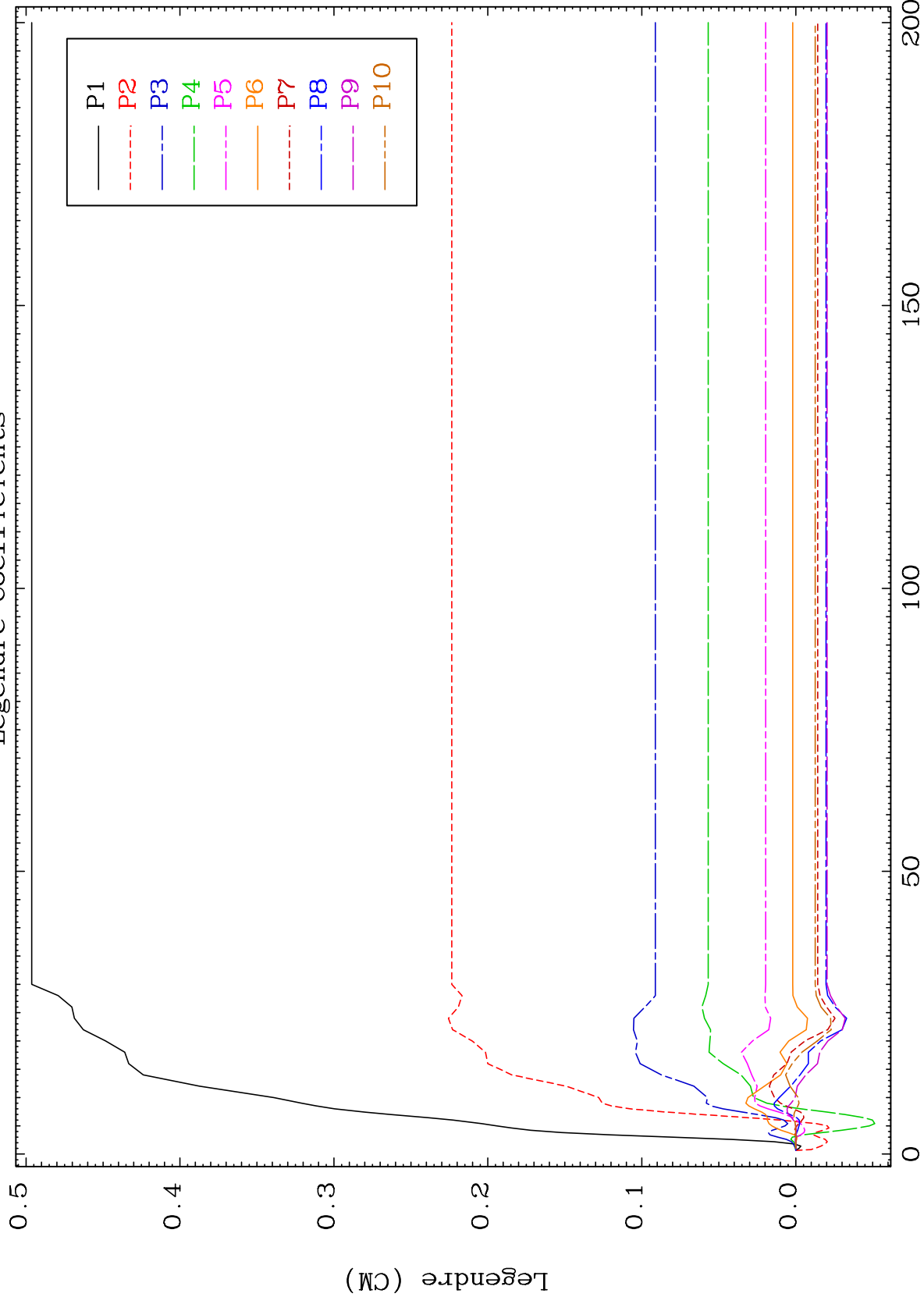




MAT 7737

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

77-Ir-195



59

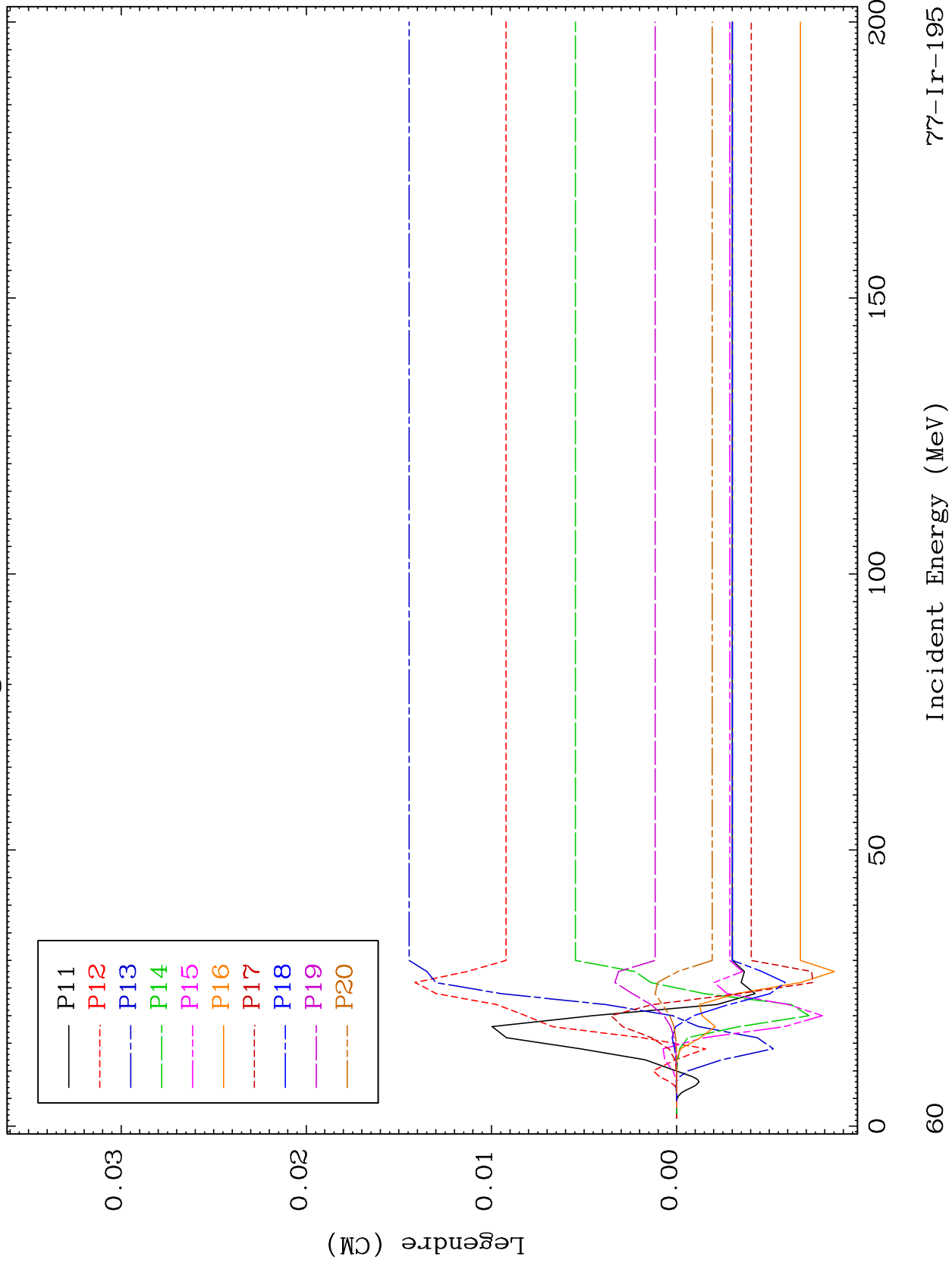
Incident Energy (MeV)

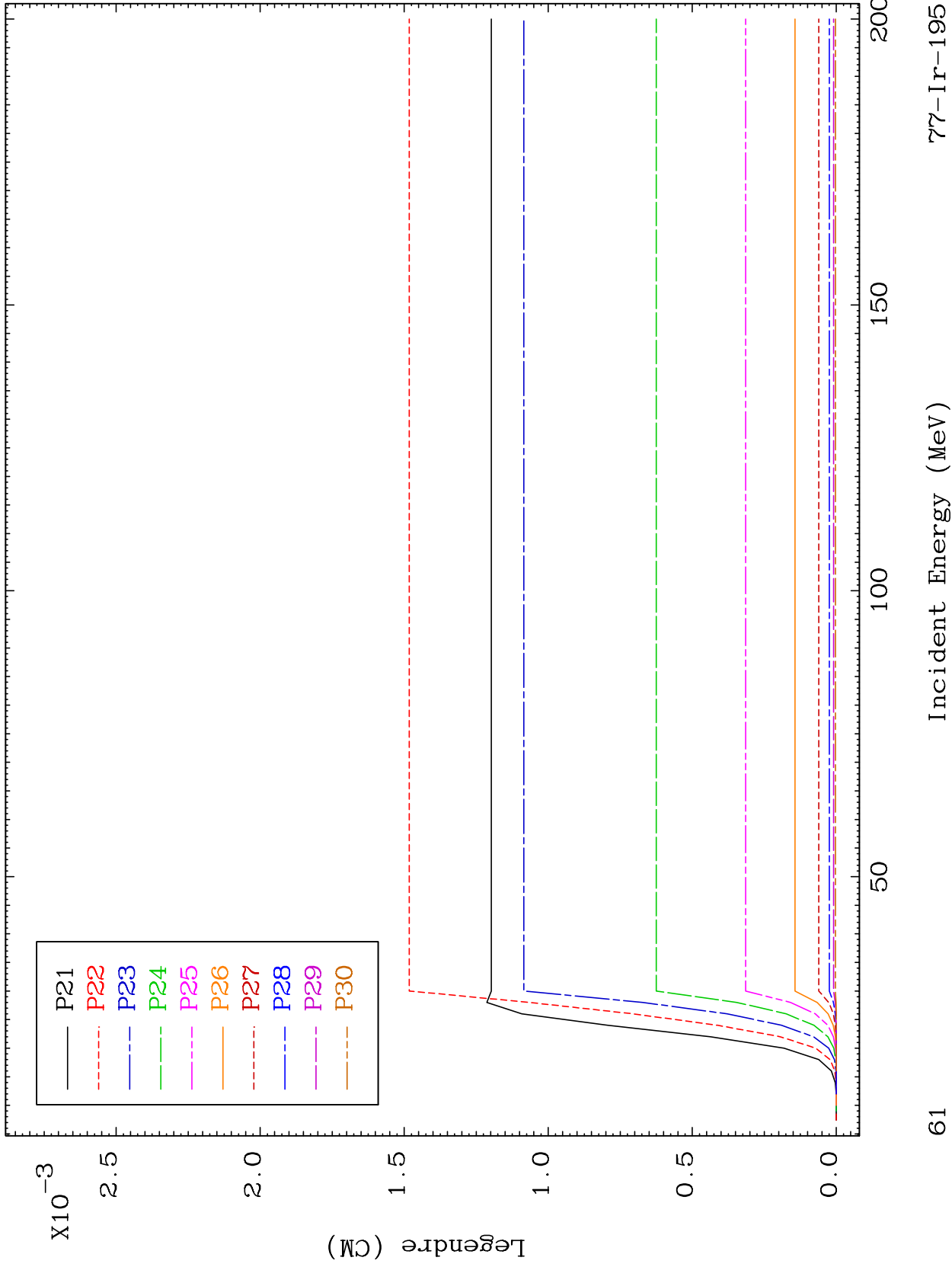
77-Ir-195

MAT 7737

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

77-Ir-195

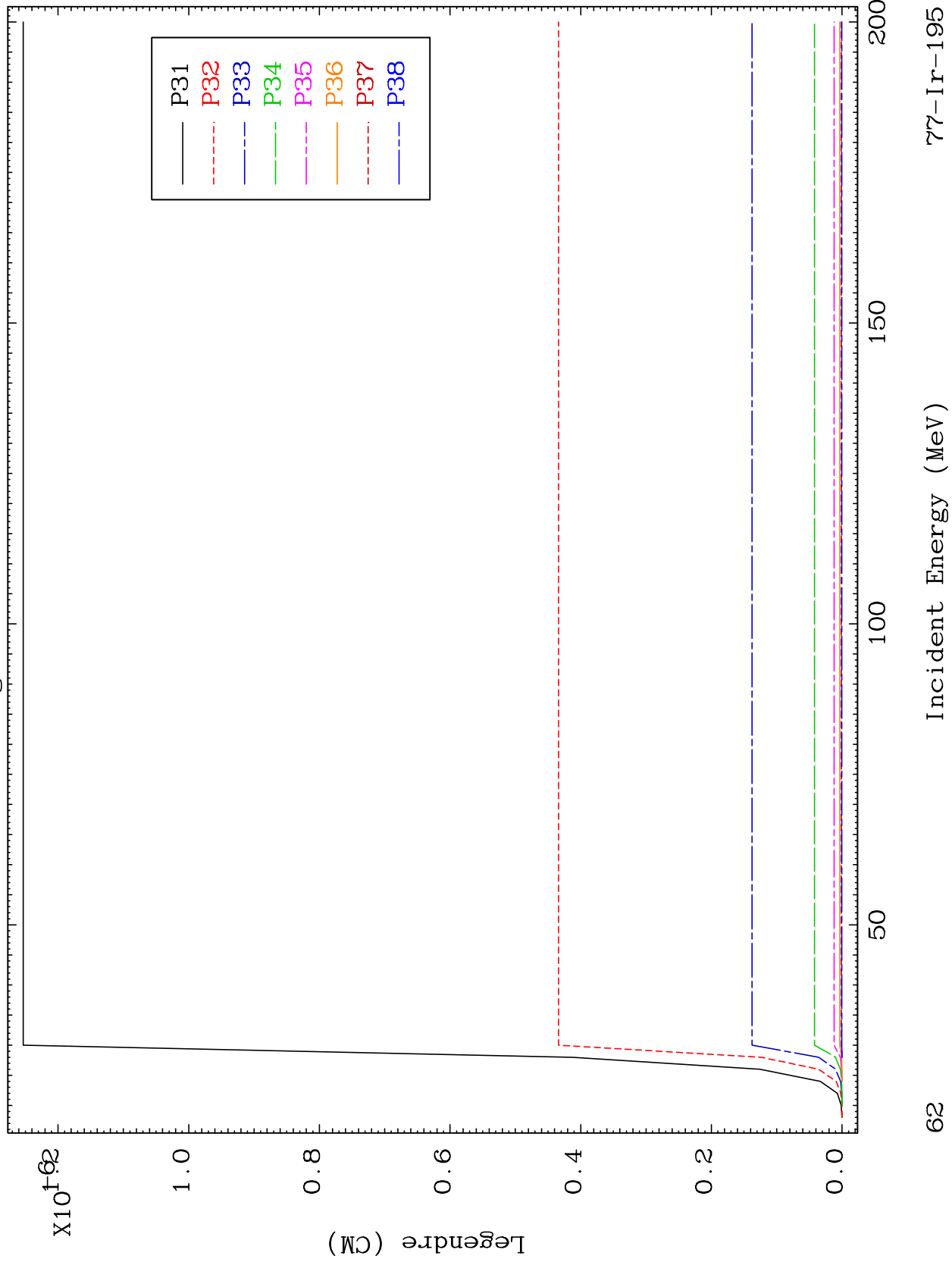




MAT 7737

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

77-Ir-195



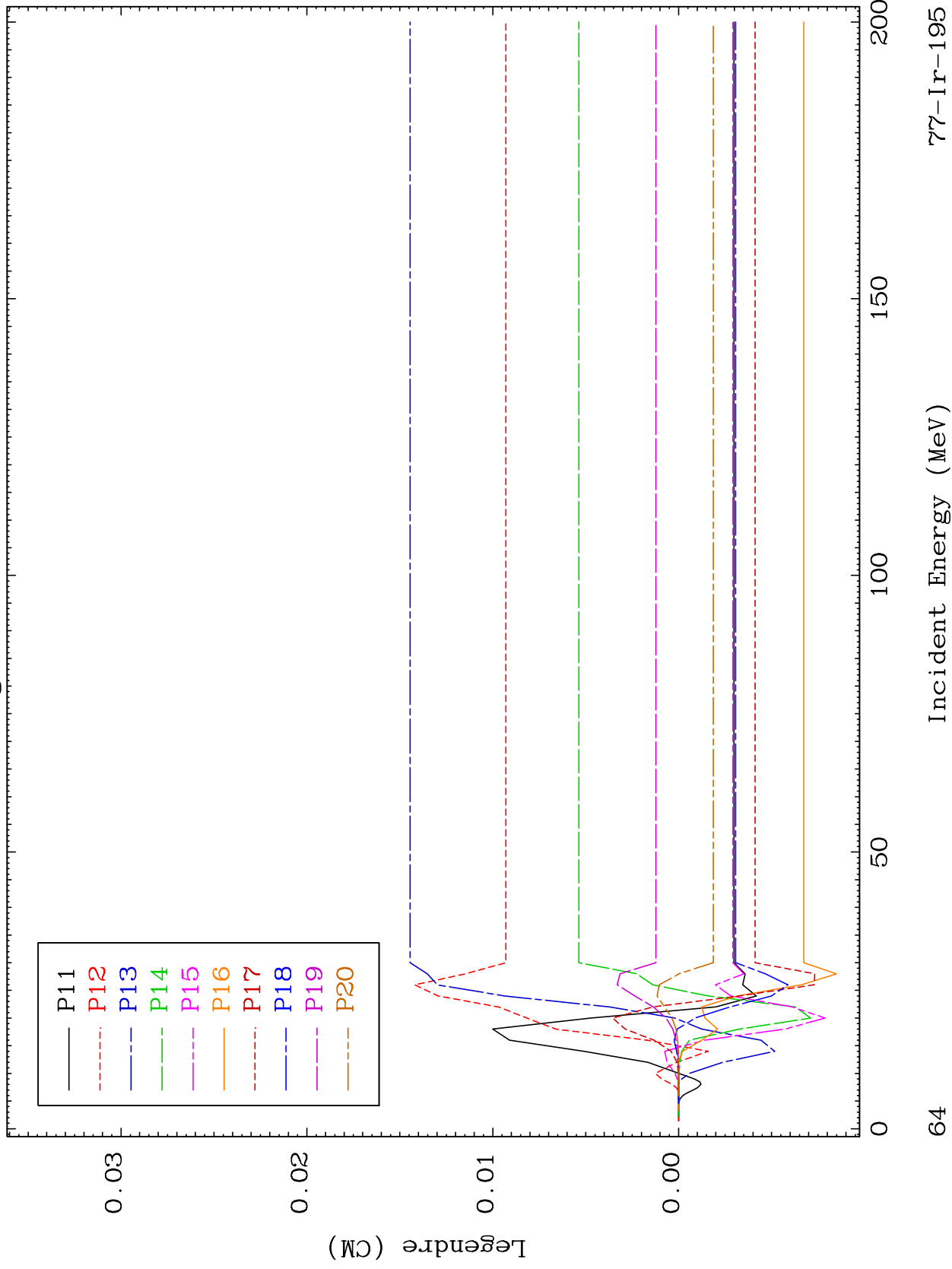
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77-Ir-195

MAT 7737

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

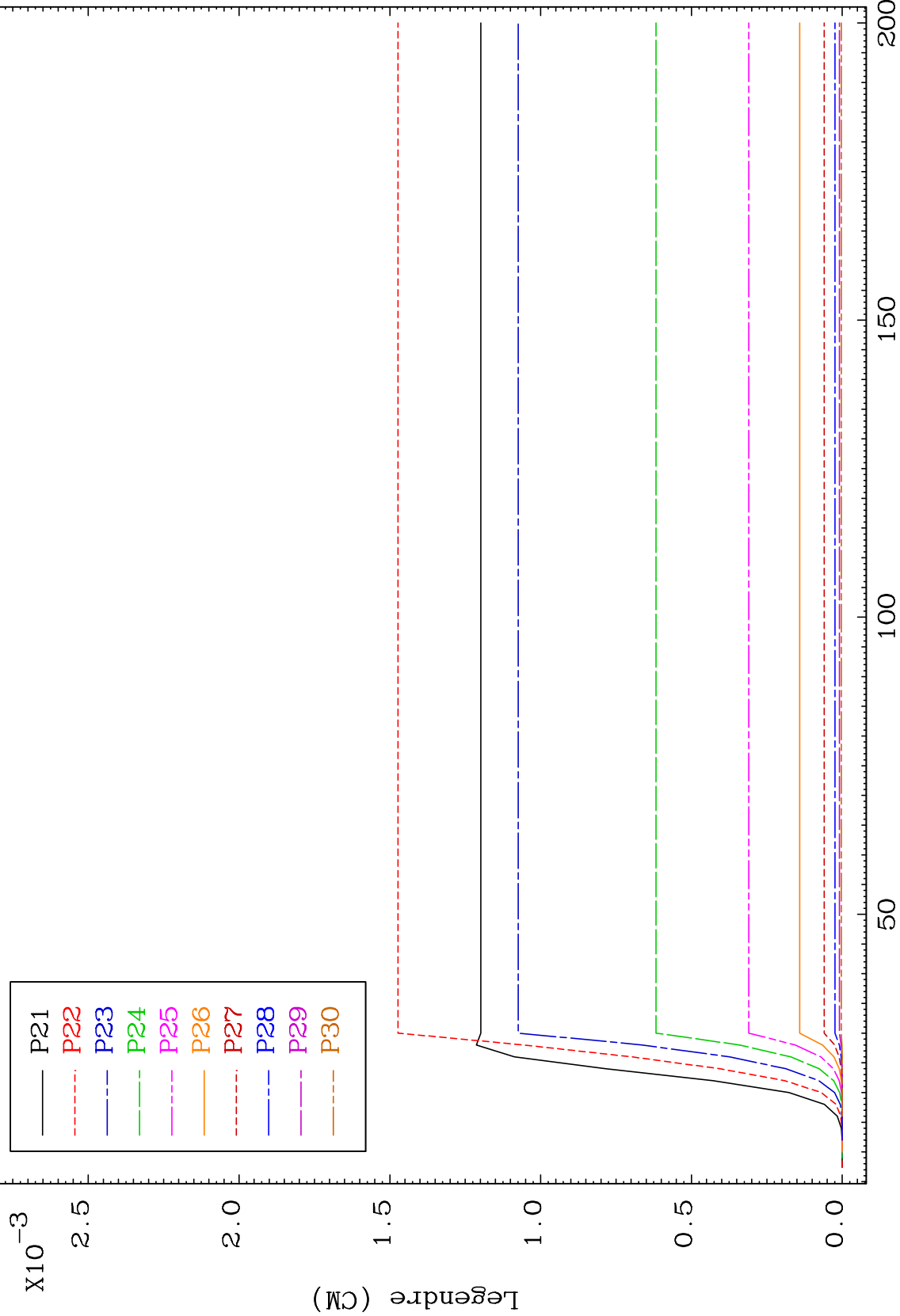
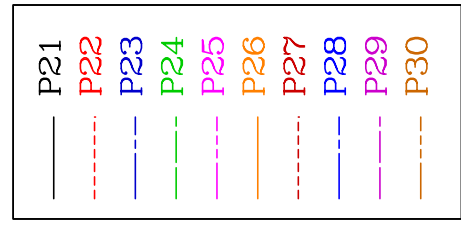
77-Ir-195



MAT 7737

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

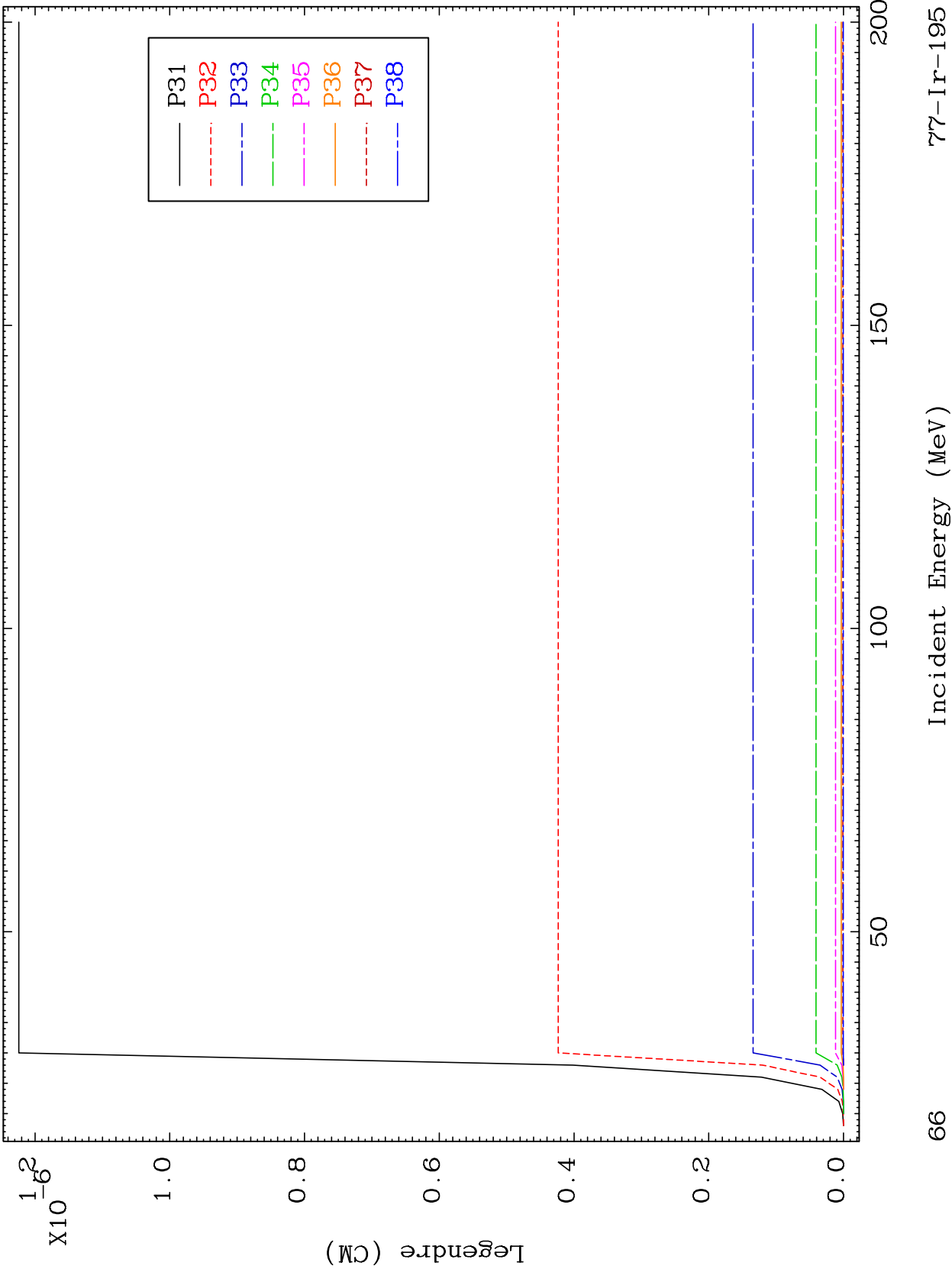
77-Ir-195

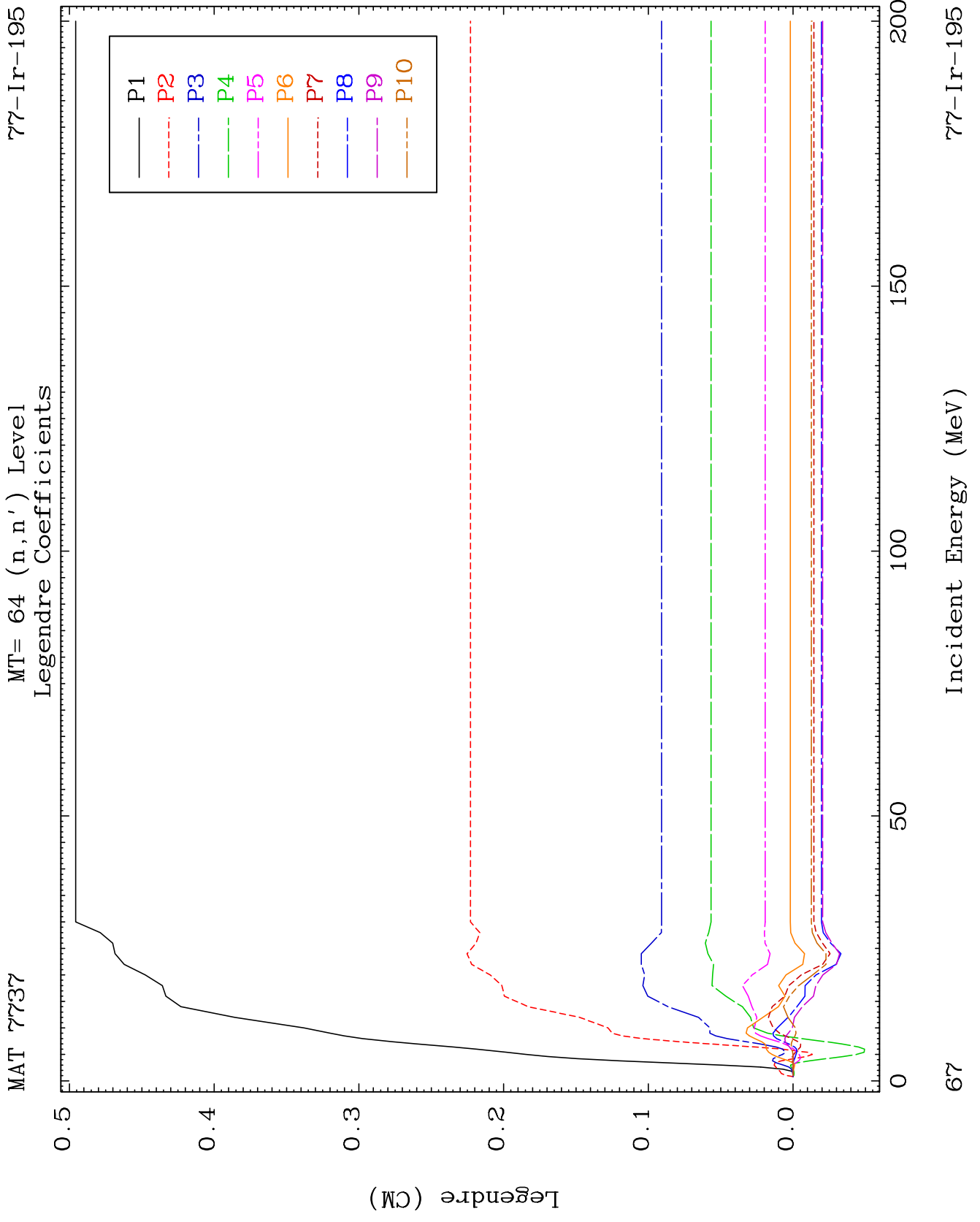


65

Incident Energy (MeV)

77-Ir-195

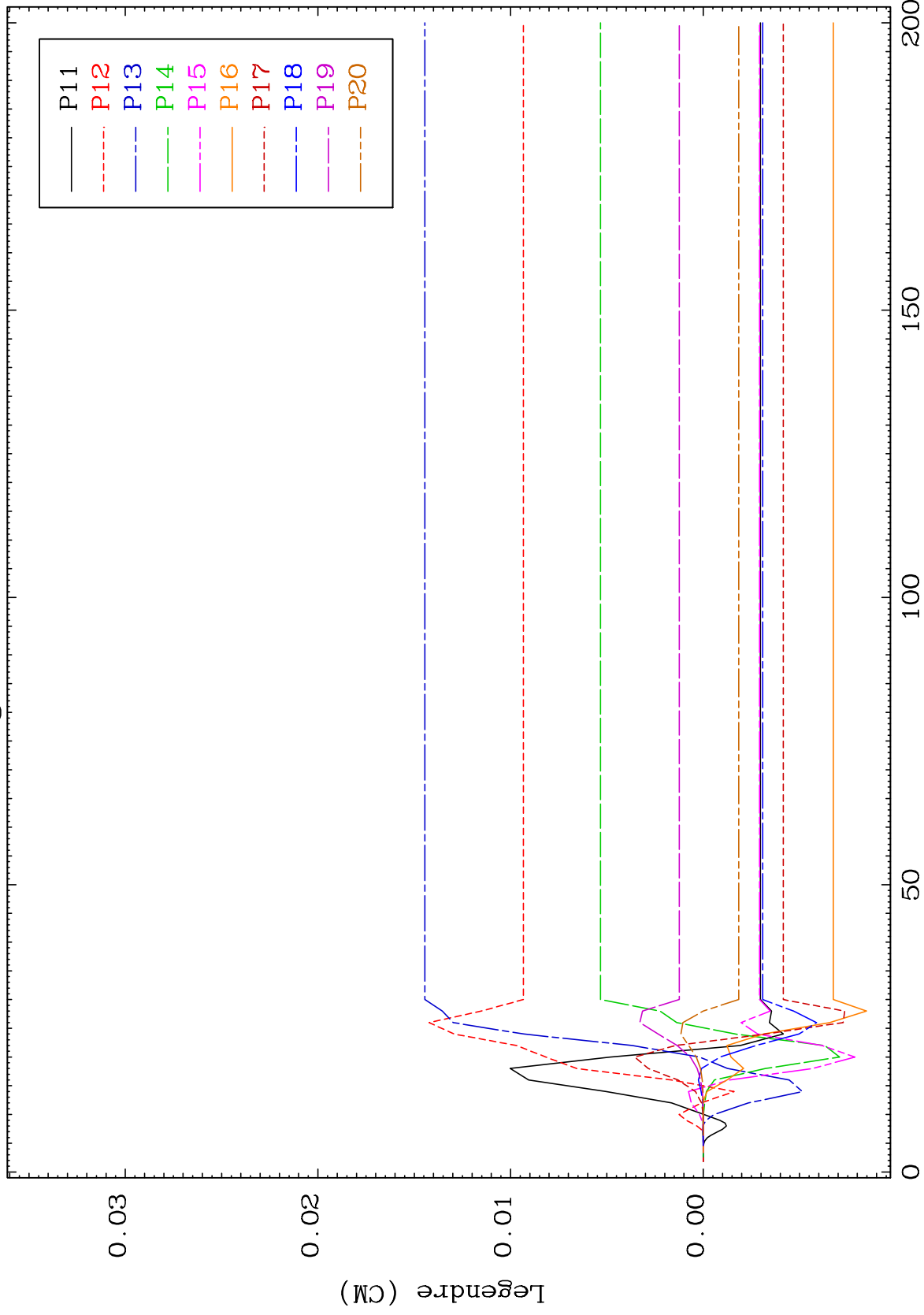




MAT 7737

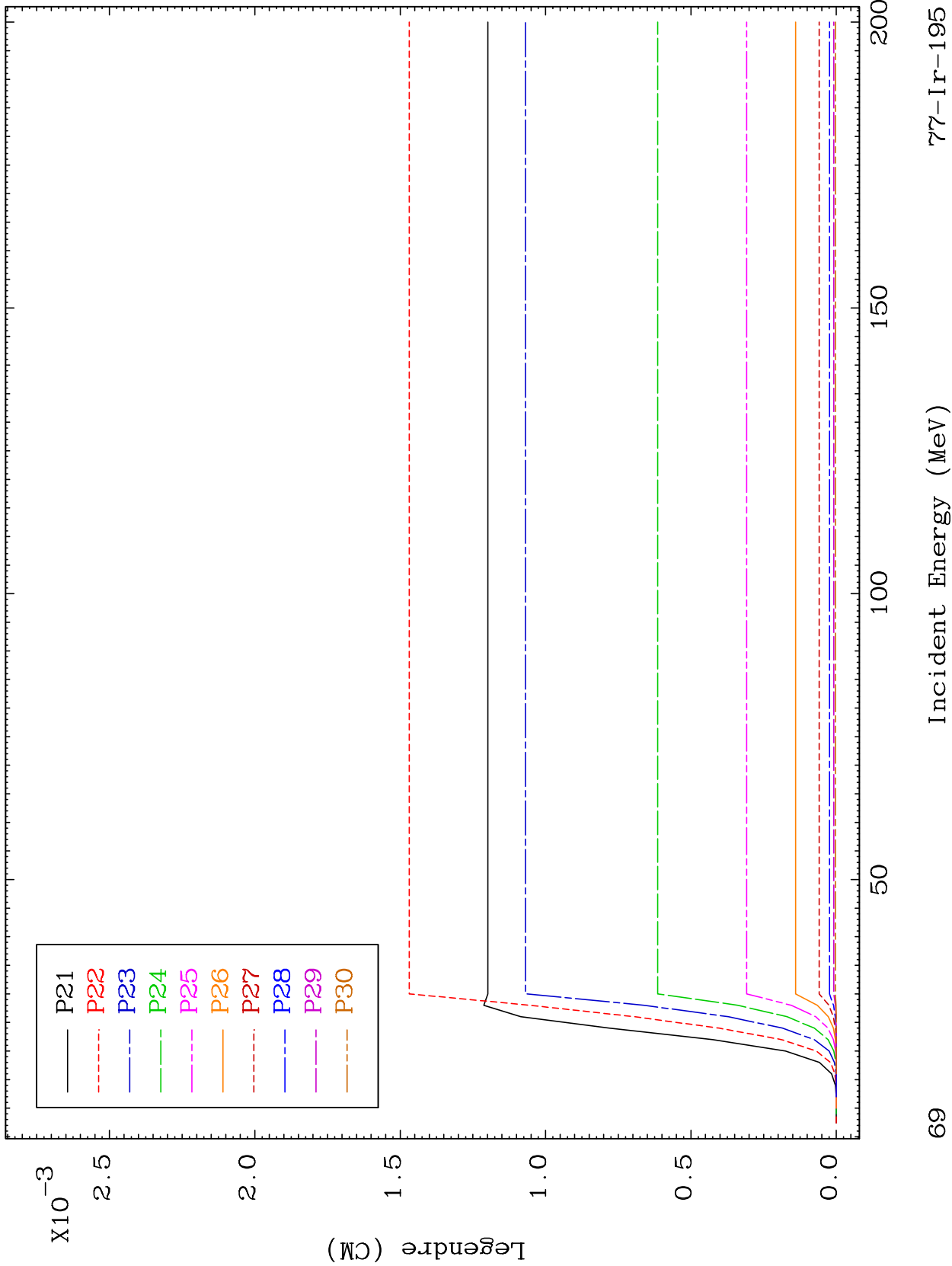
MT= 64 (n,n') Level
Legendre Coefficients

77-Ir-195



68

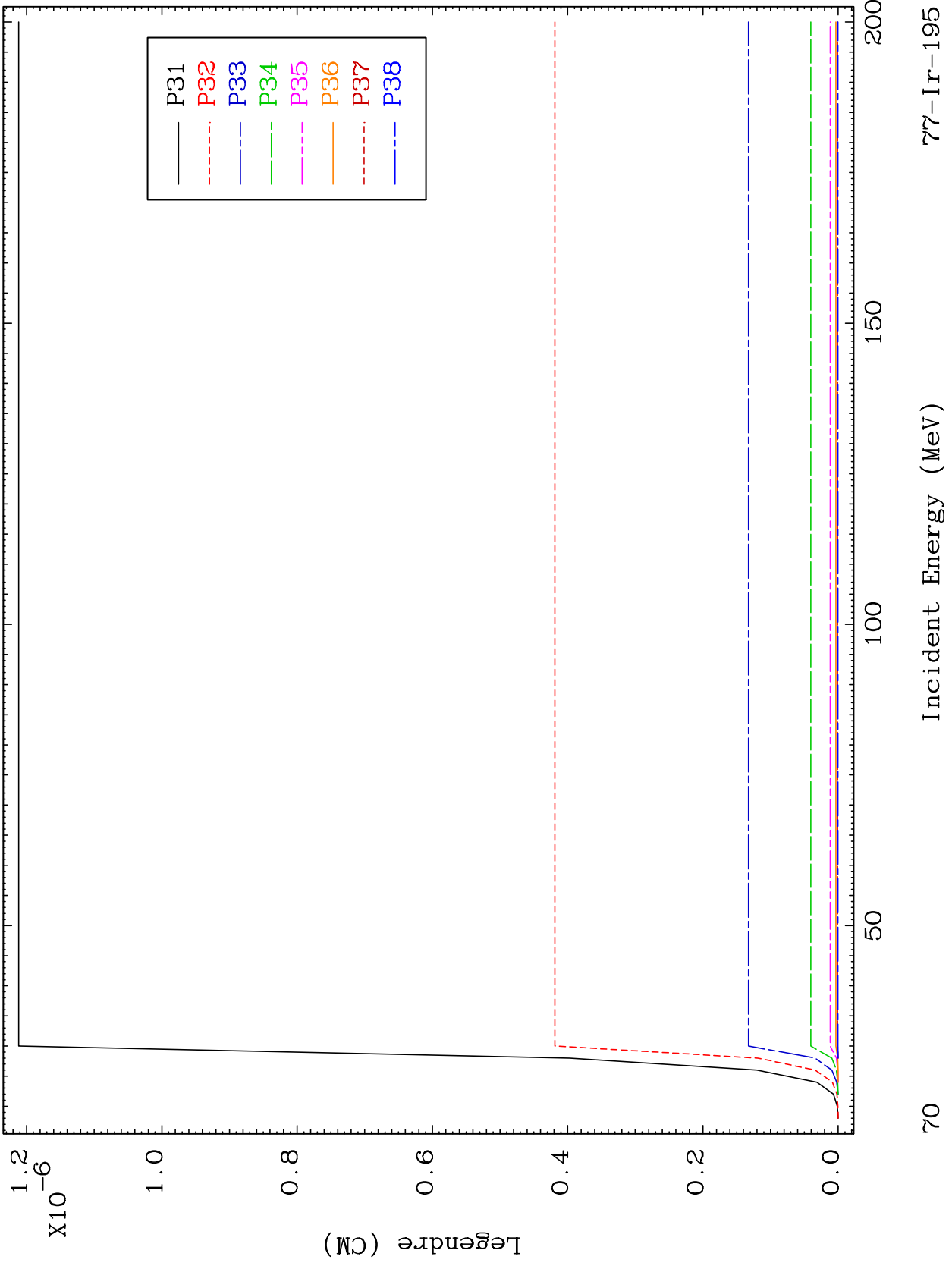
77-Ir-195



MAT 7737

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

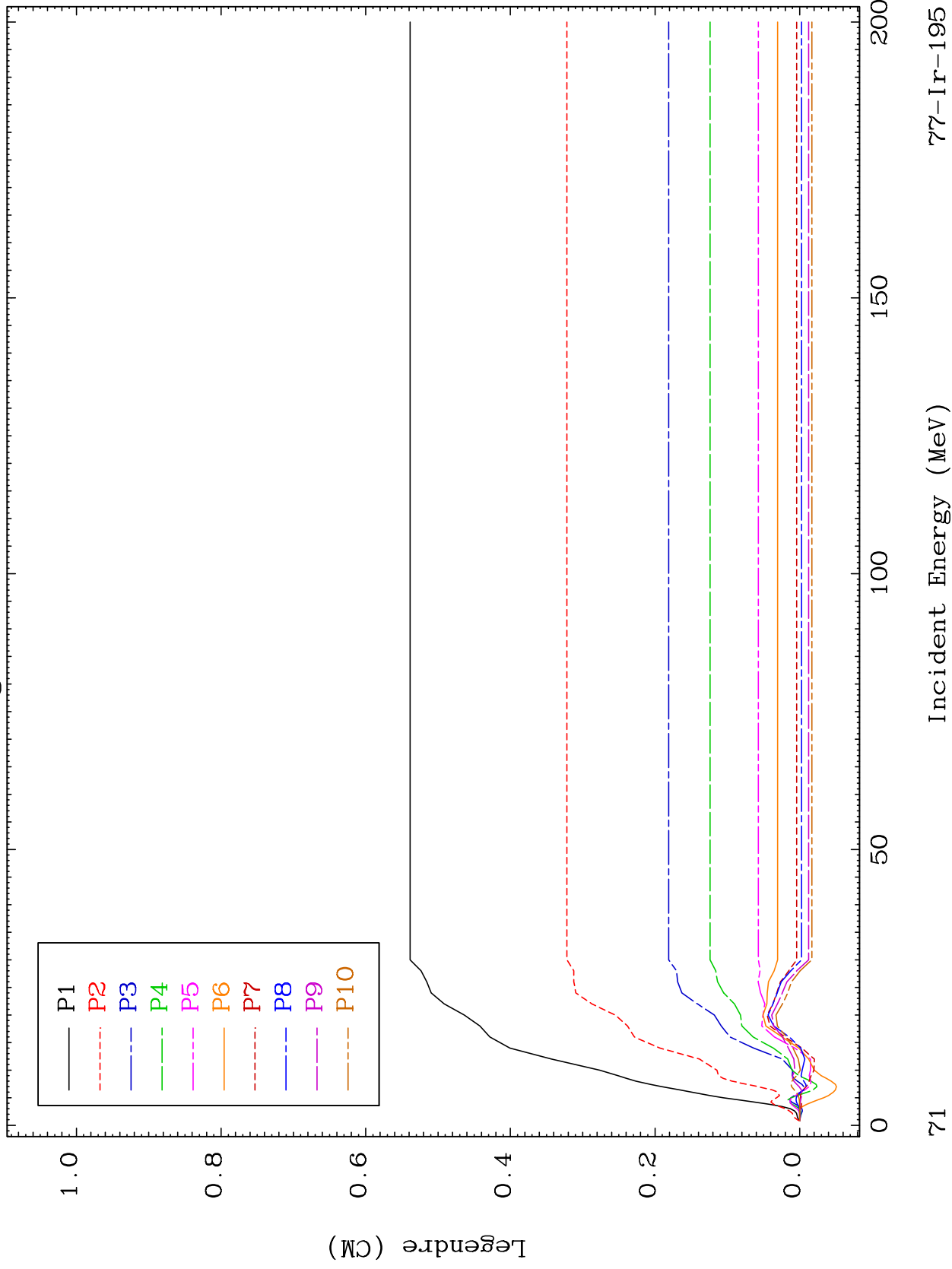
77-Ir-195



MAT 7737

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

77-Ir-195



71

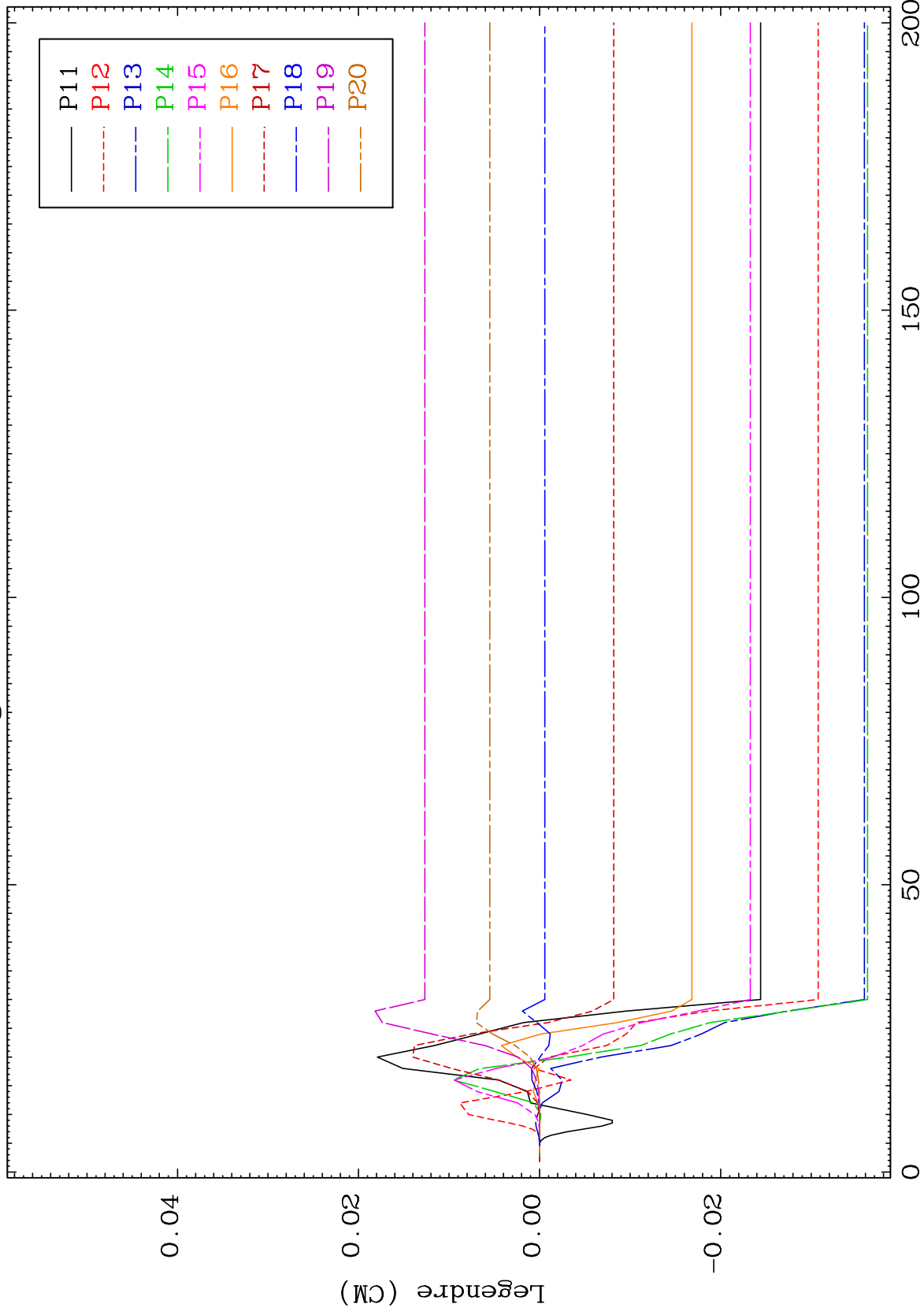
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



72

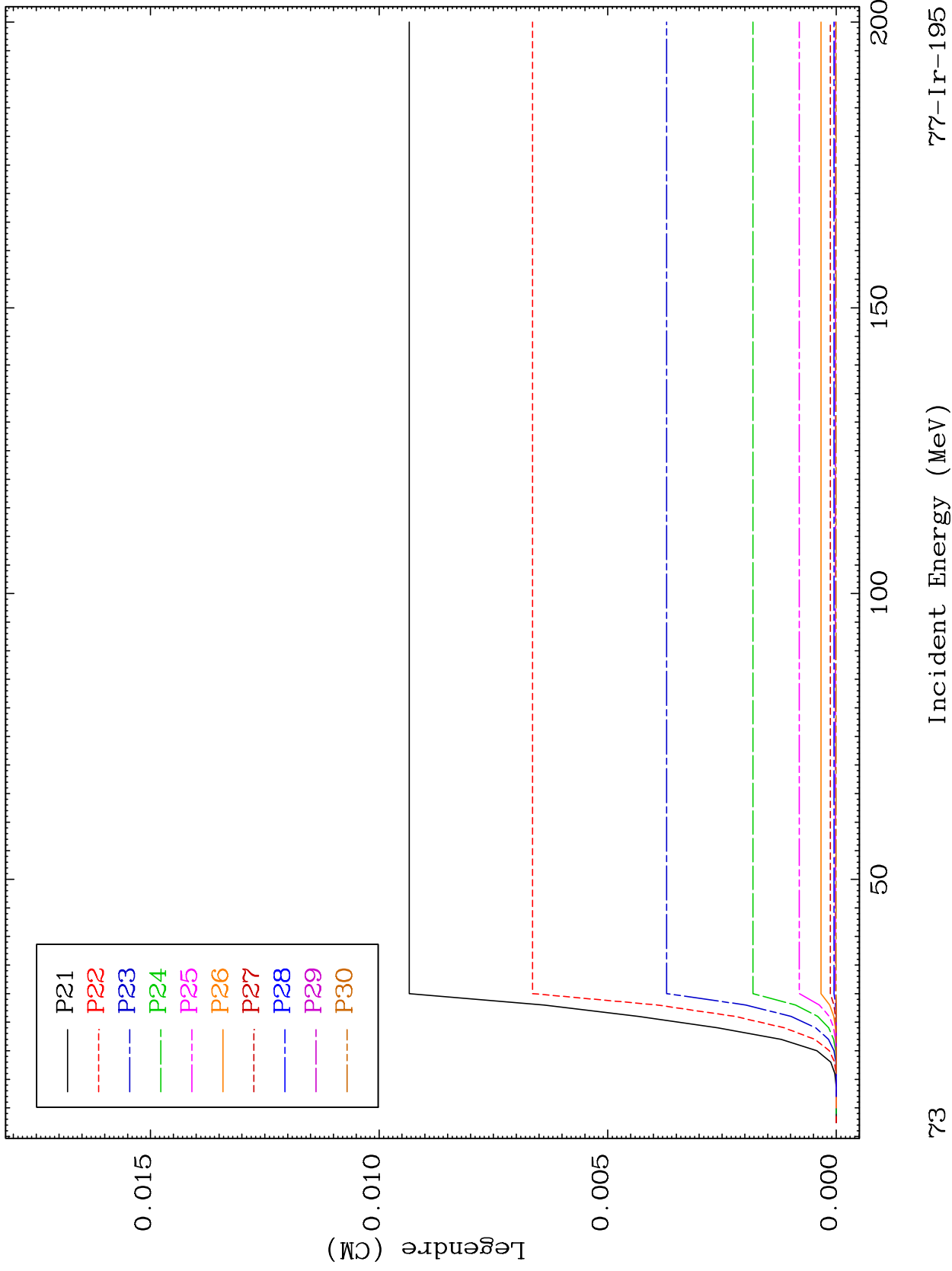
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



73

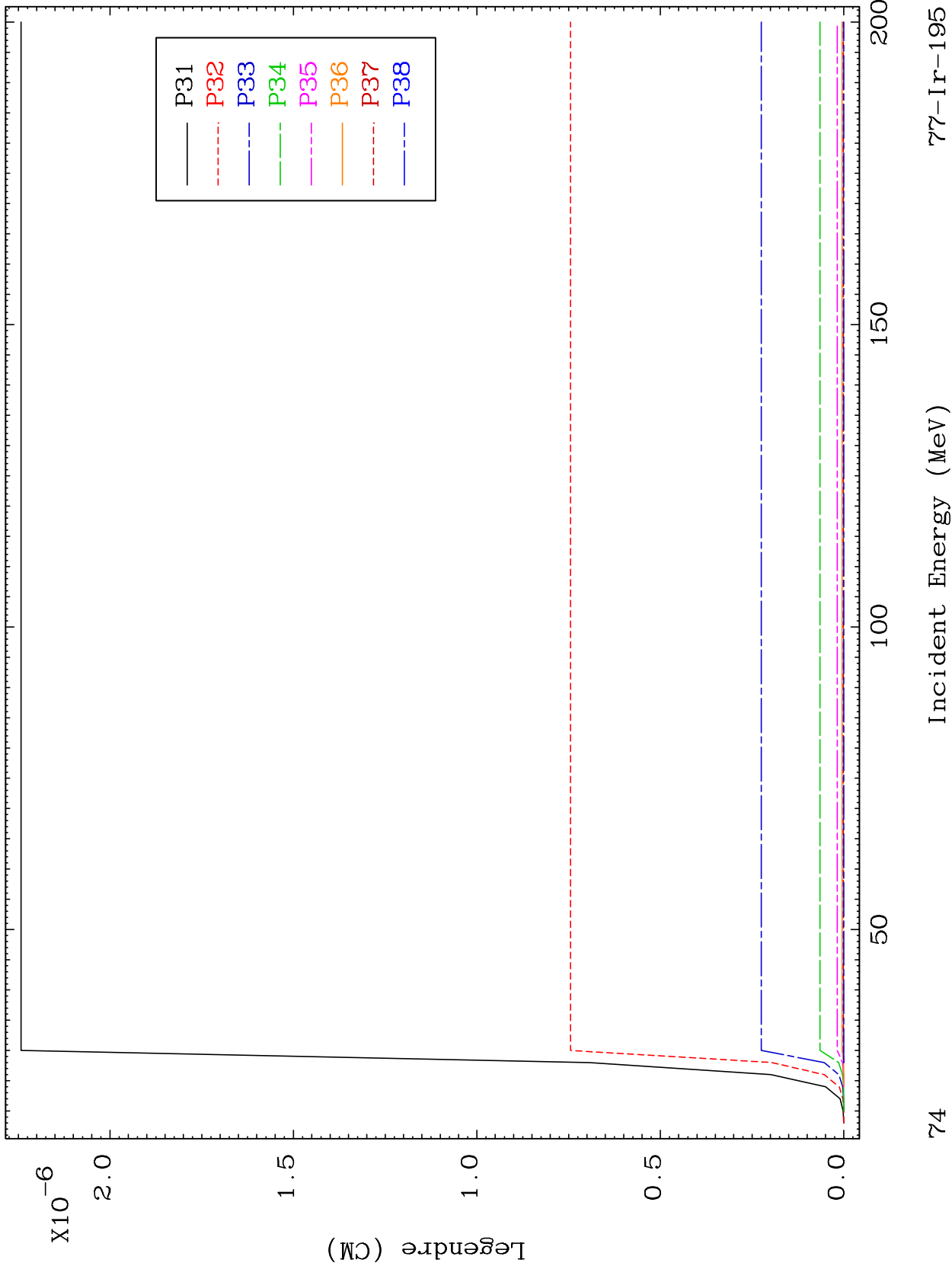
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

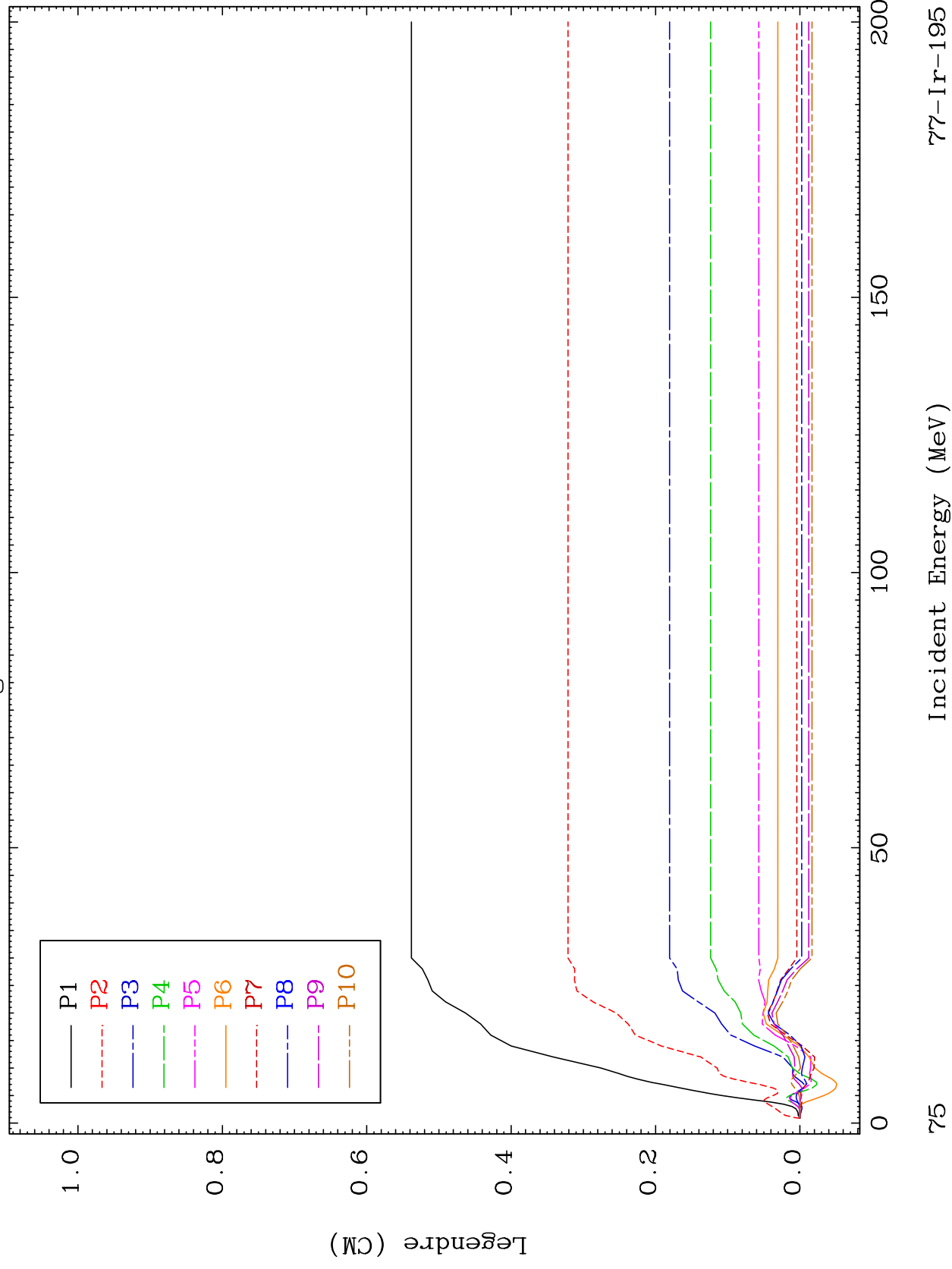
77-Ir-195



MAT 7737

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

77-Ir-195

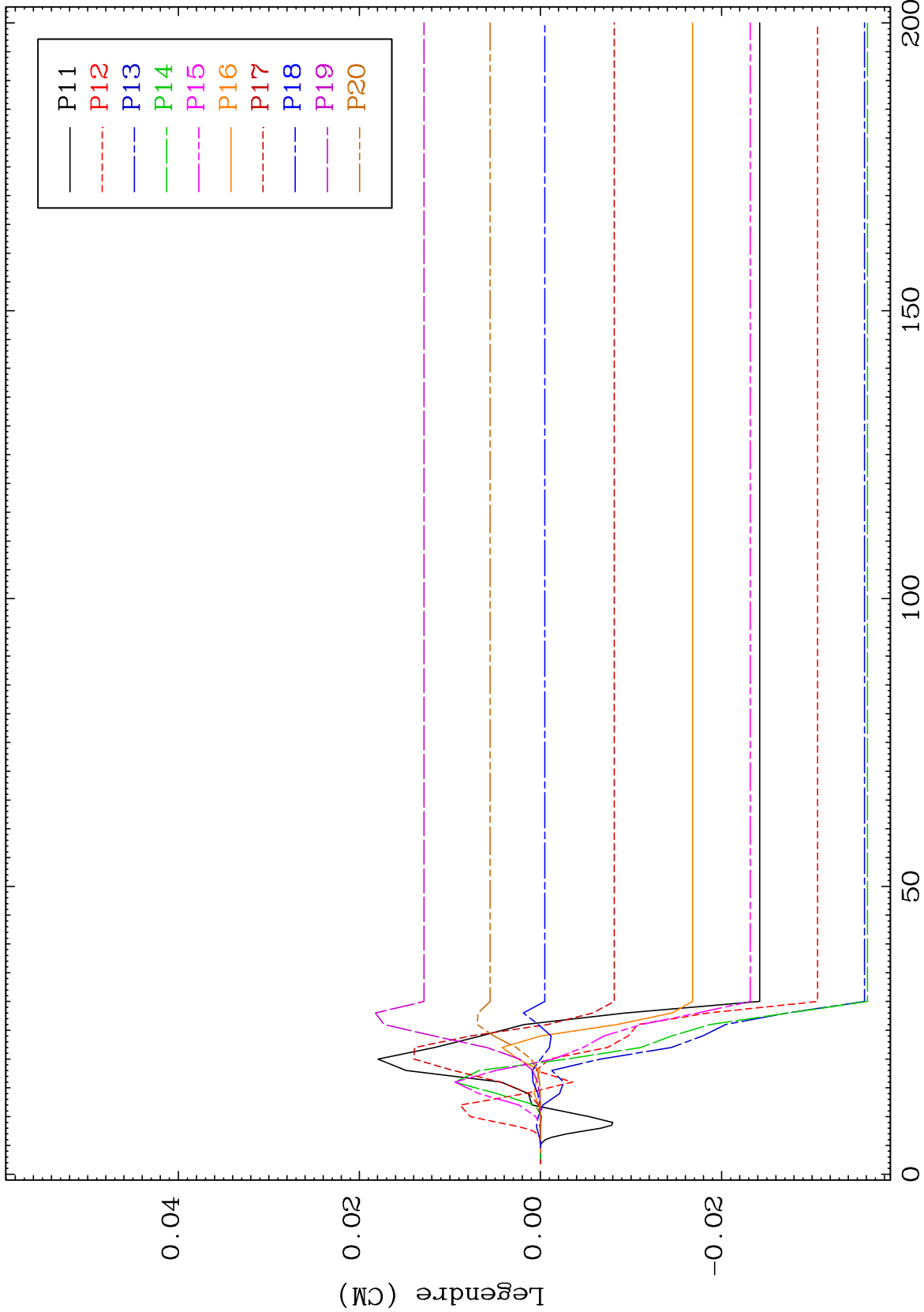


75

MAT 7737

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

77-Ir-195



76

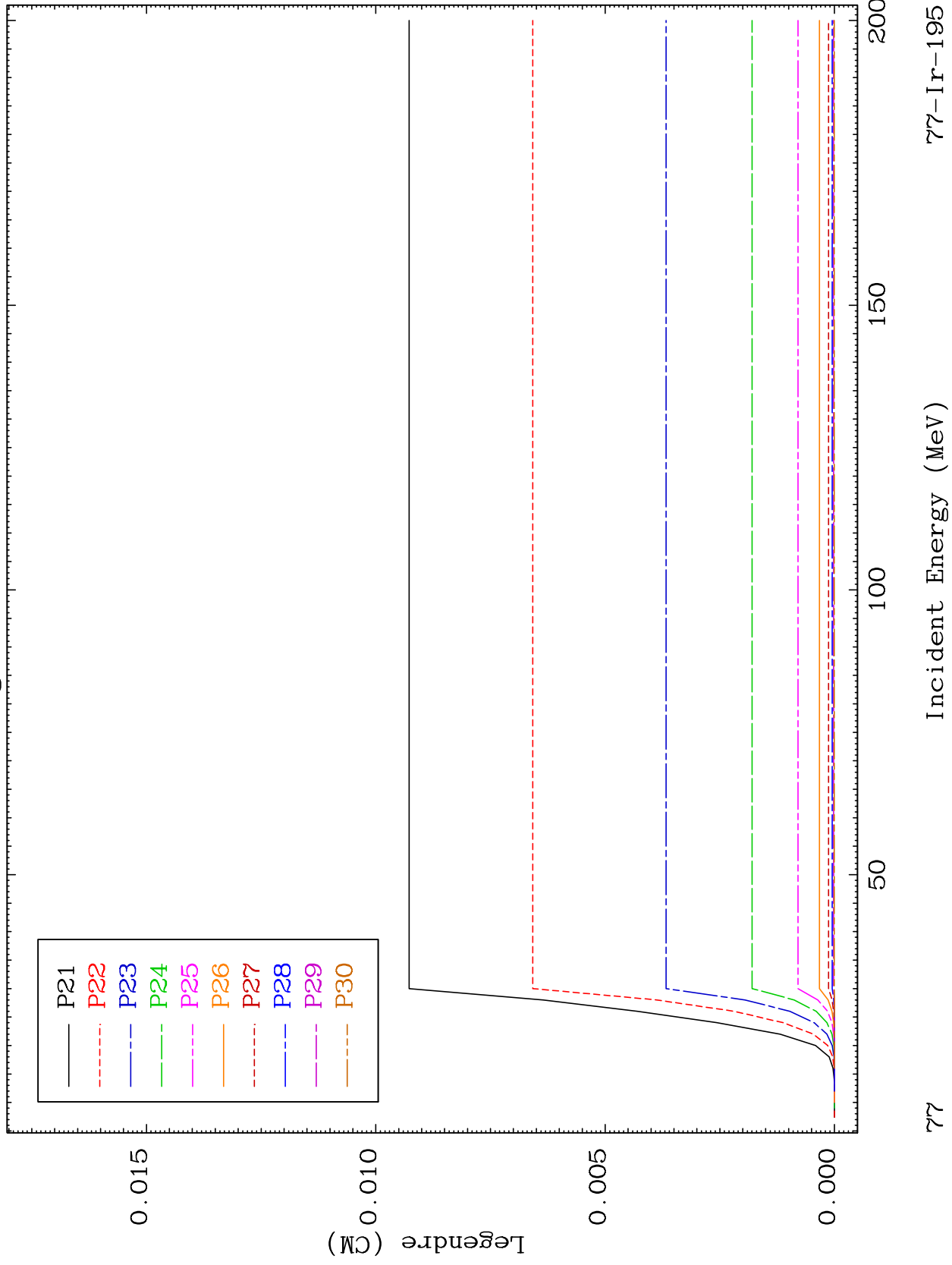
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



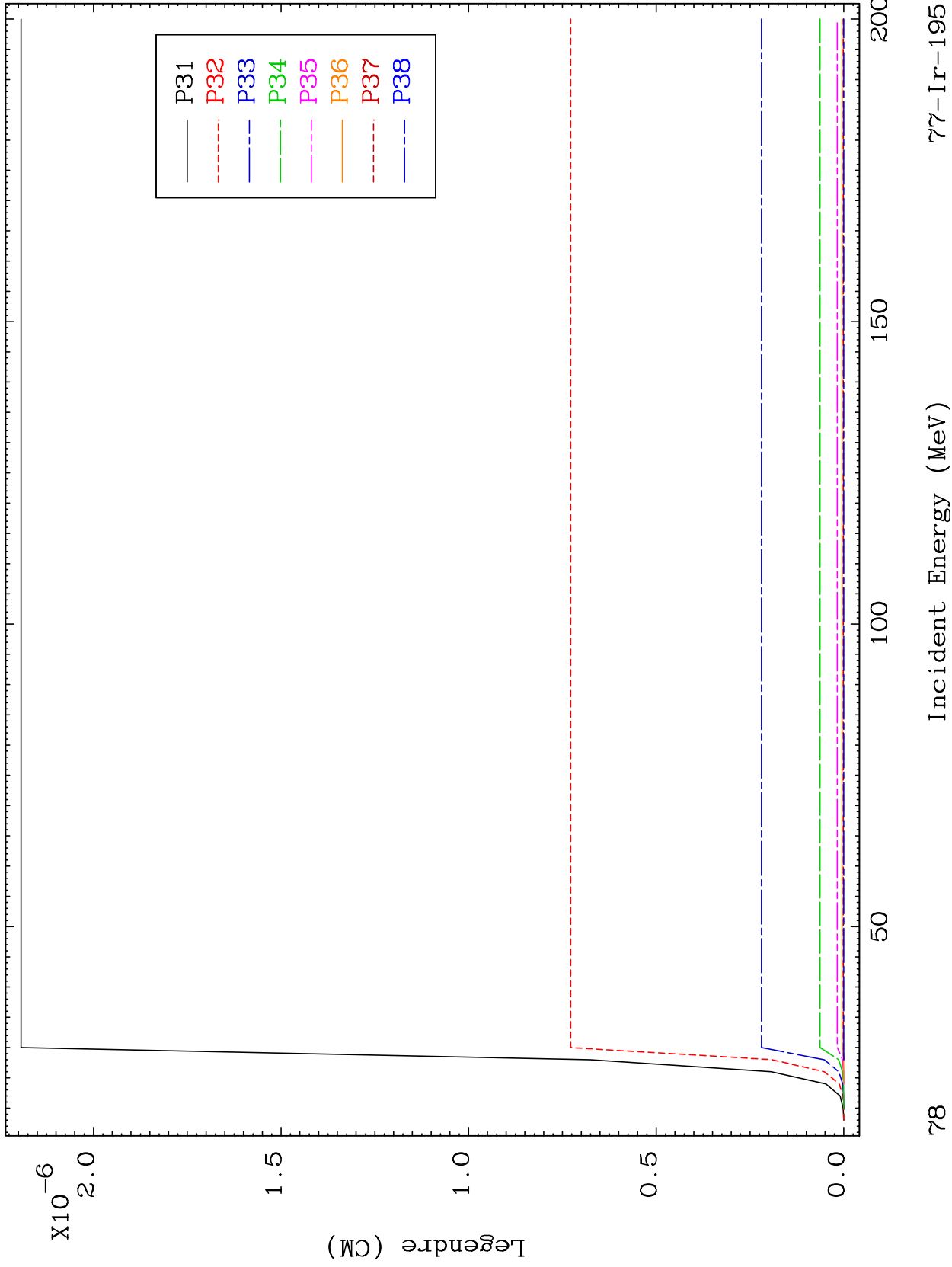
77

77-Ir-195

MAT 7737

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

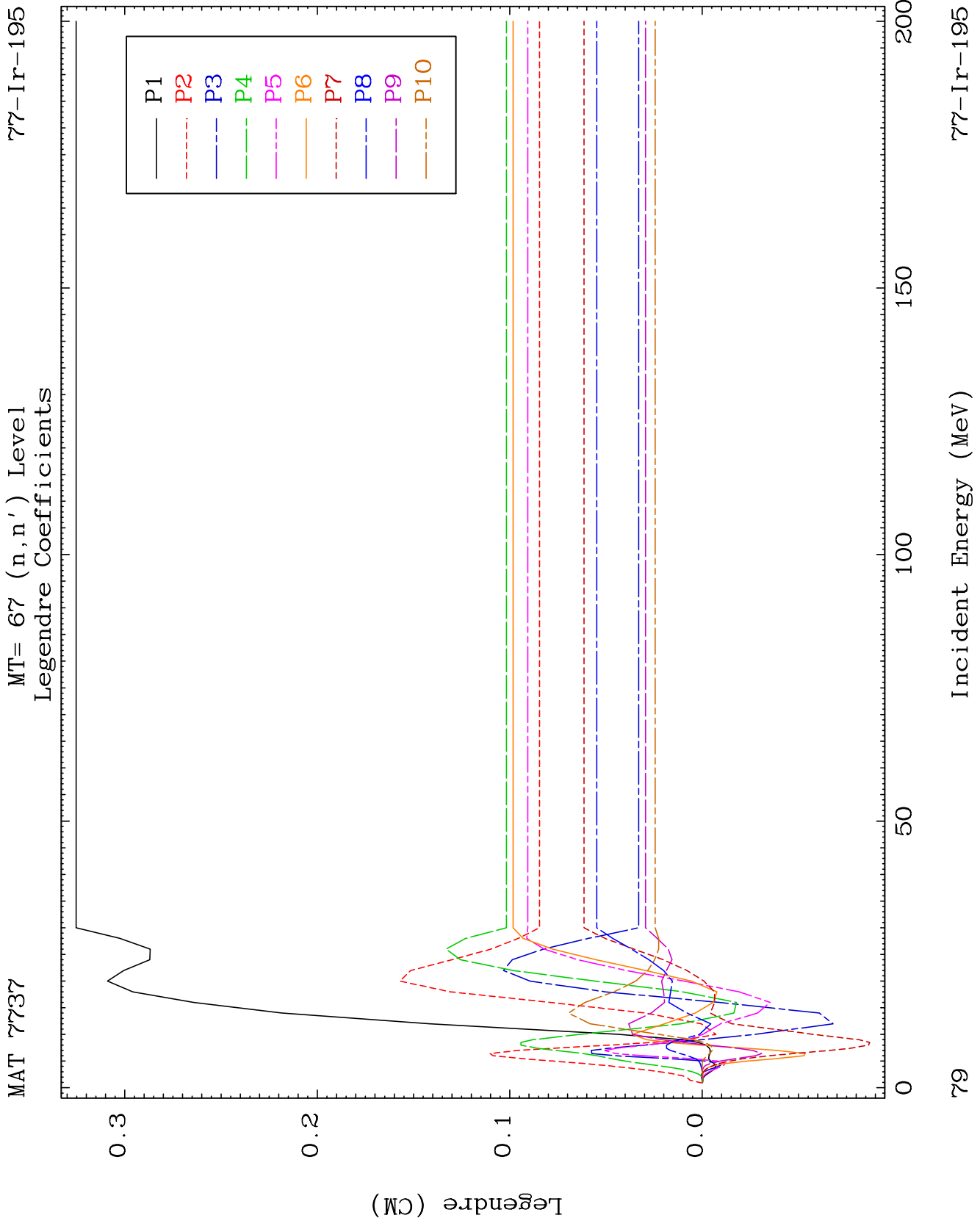
77-Ir-195



78

Incident Energy (MeV)

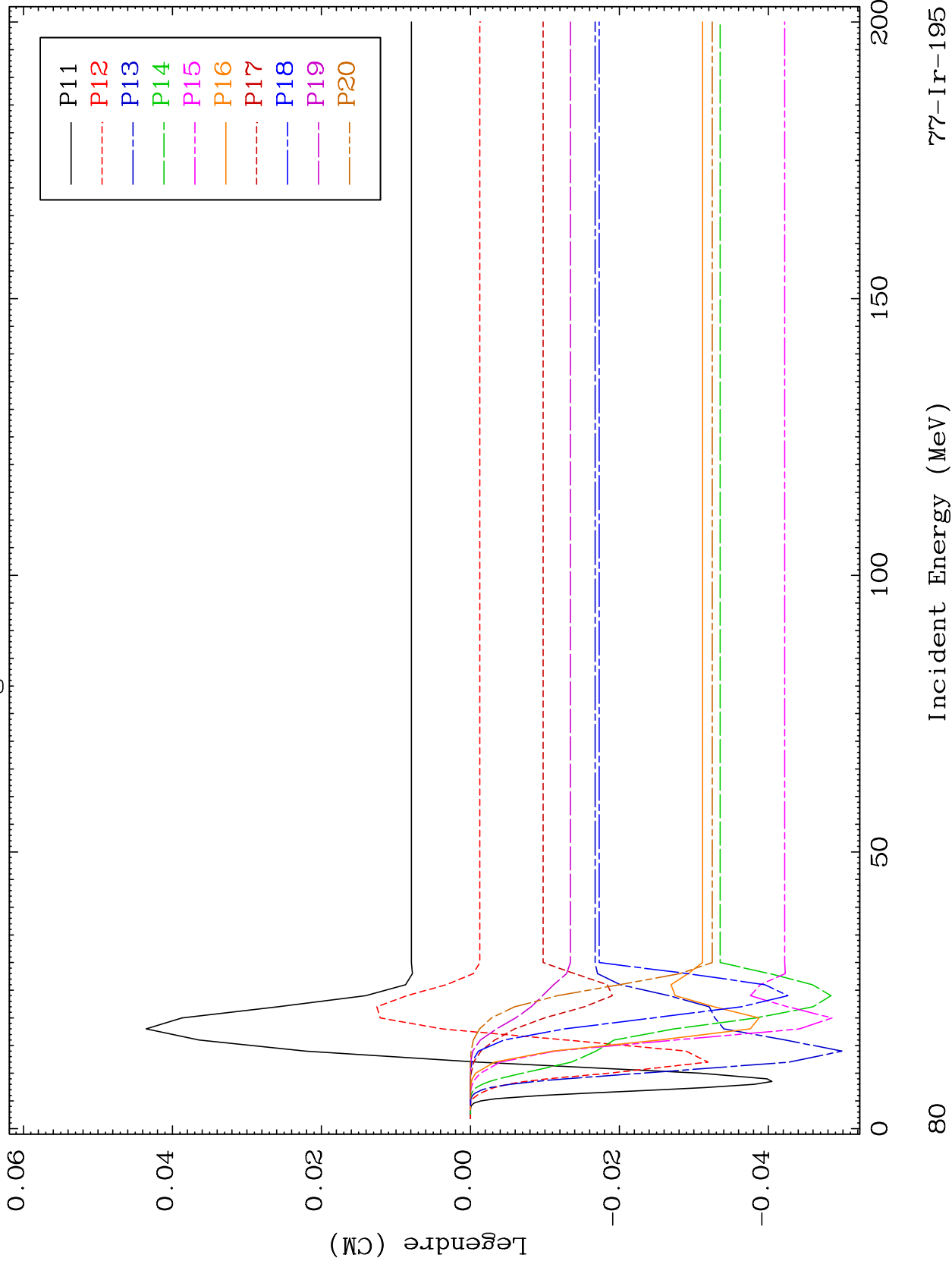
77-Ir-195



MAT 7737

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

77-Ir-195

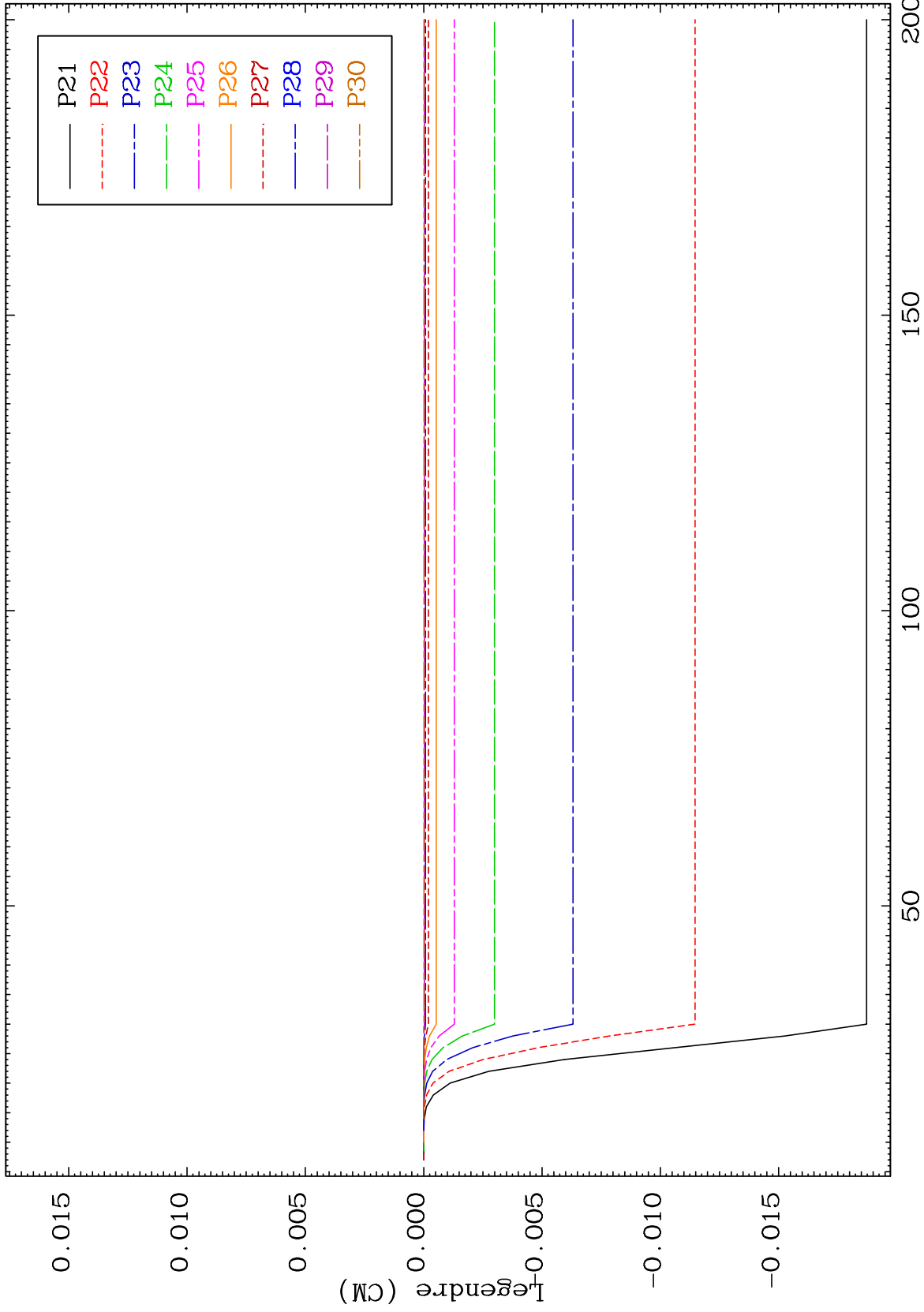


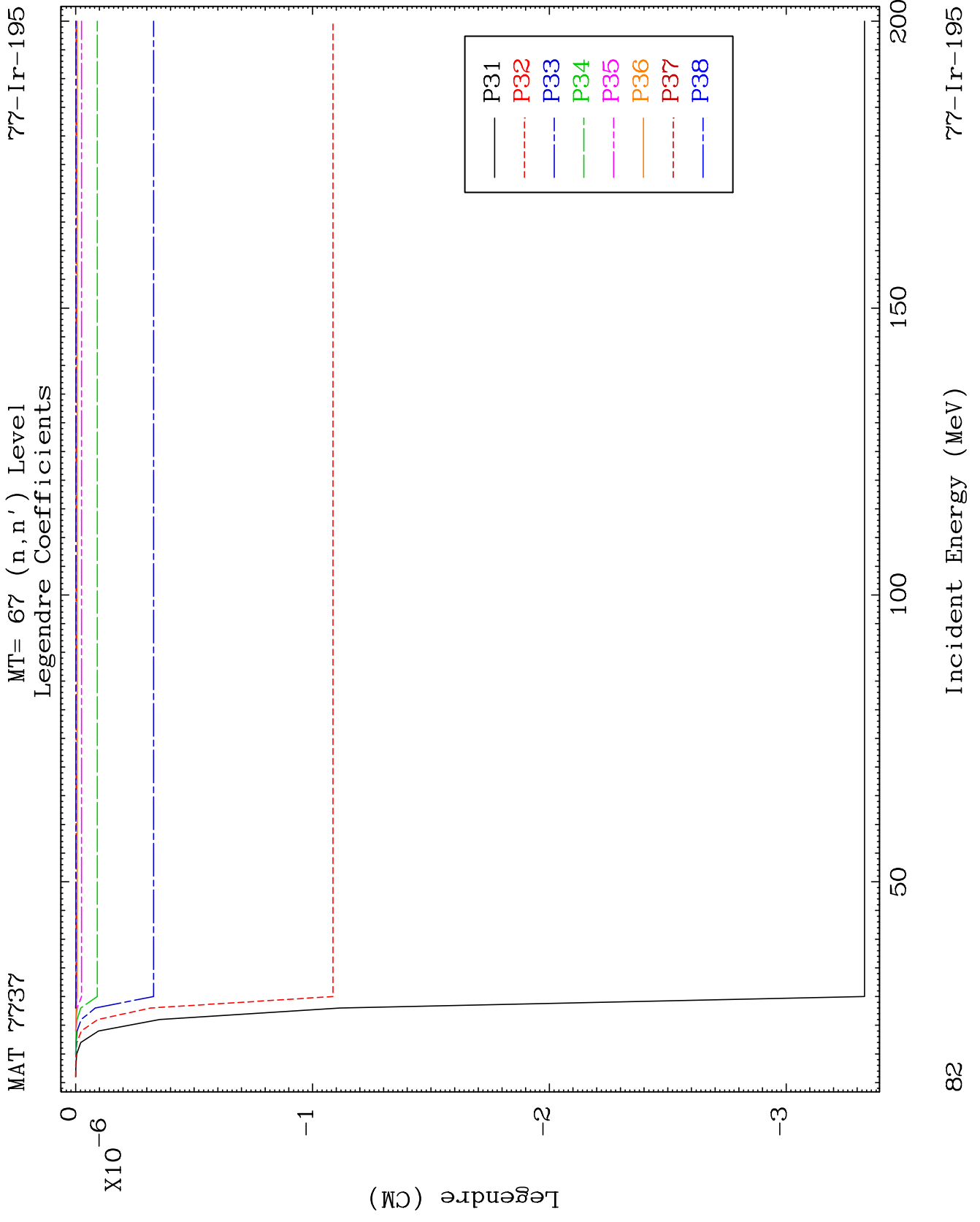
77-Ir-195

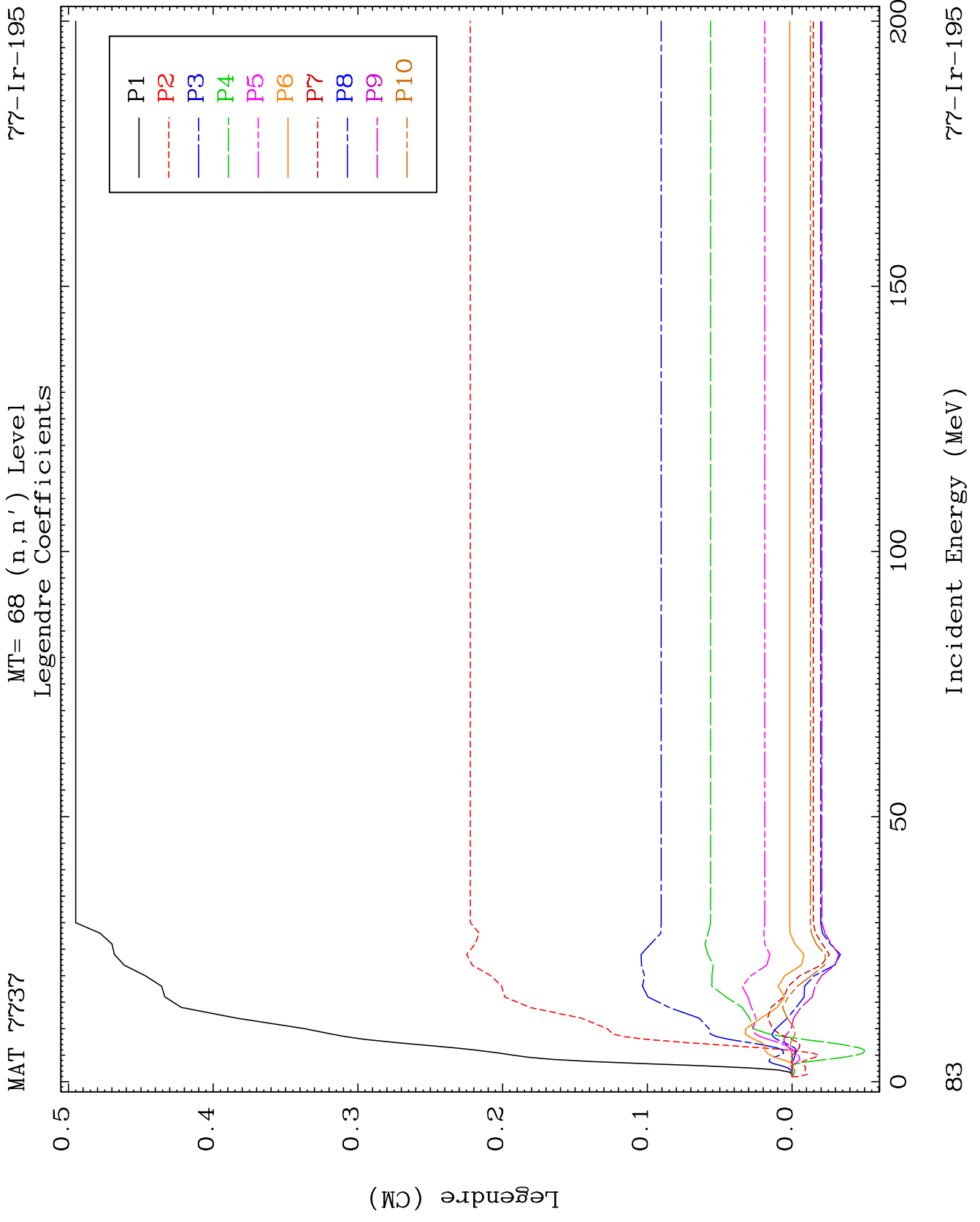
MAT 7737

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

77-Ir-195



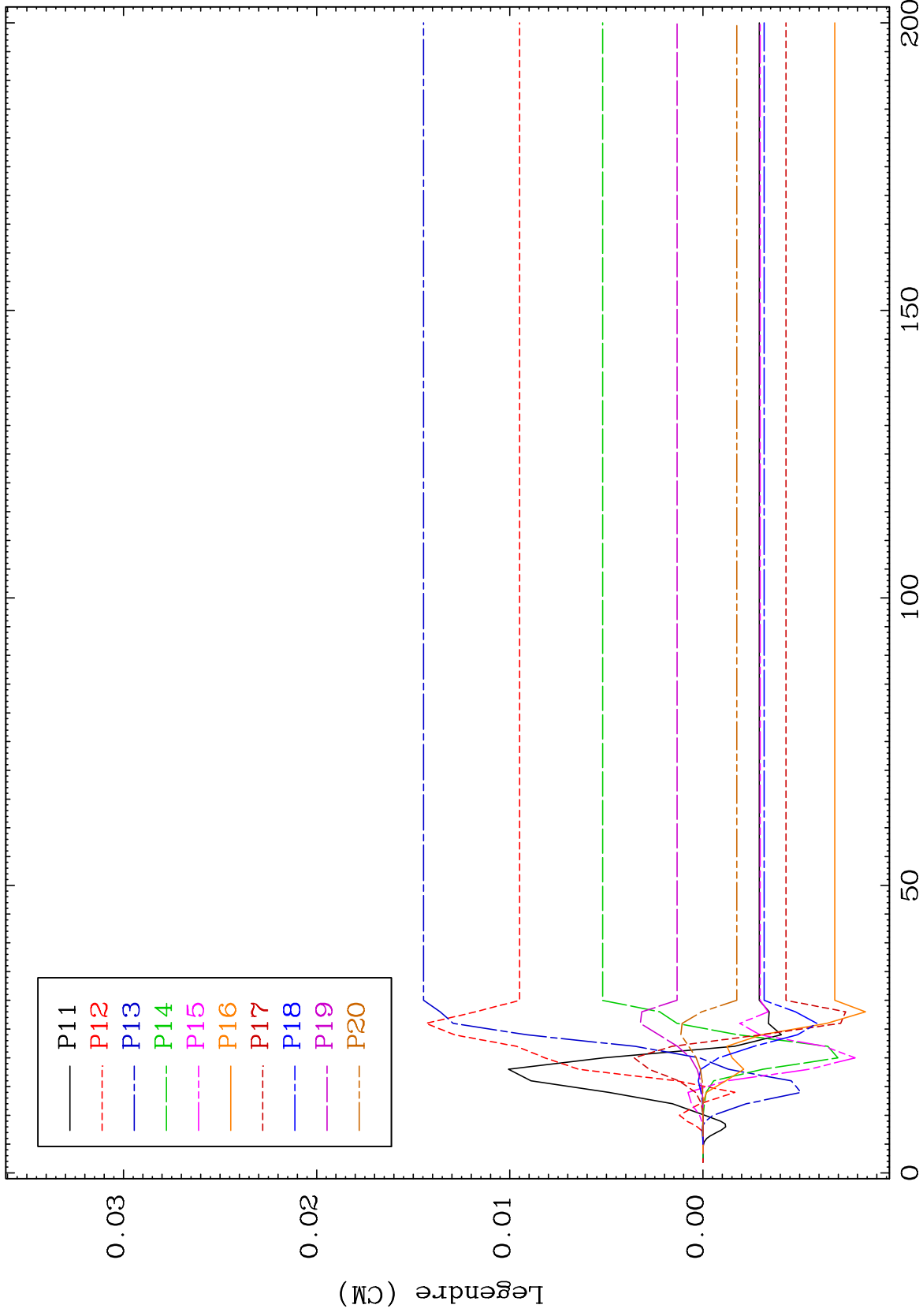




MAT 7737

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

77-Ir-195



84

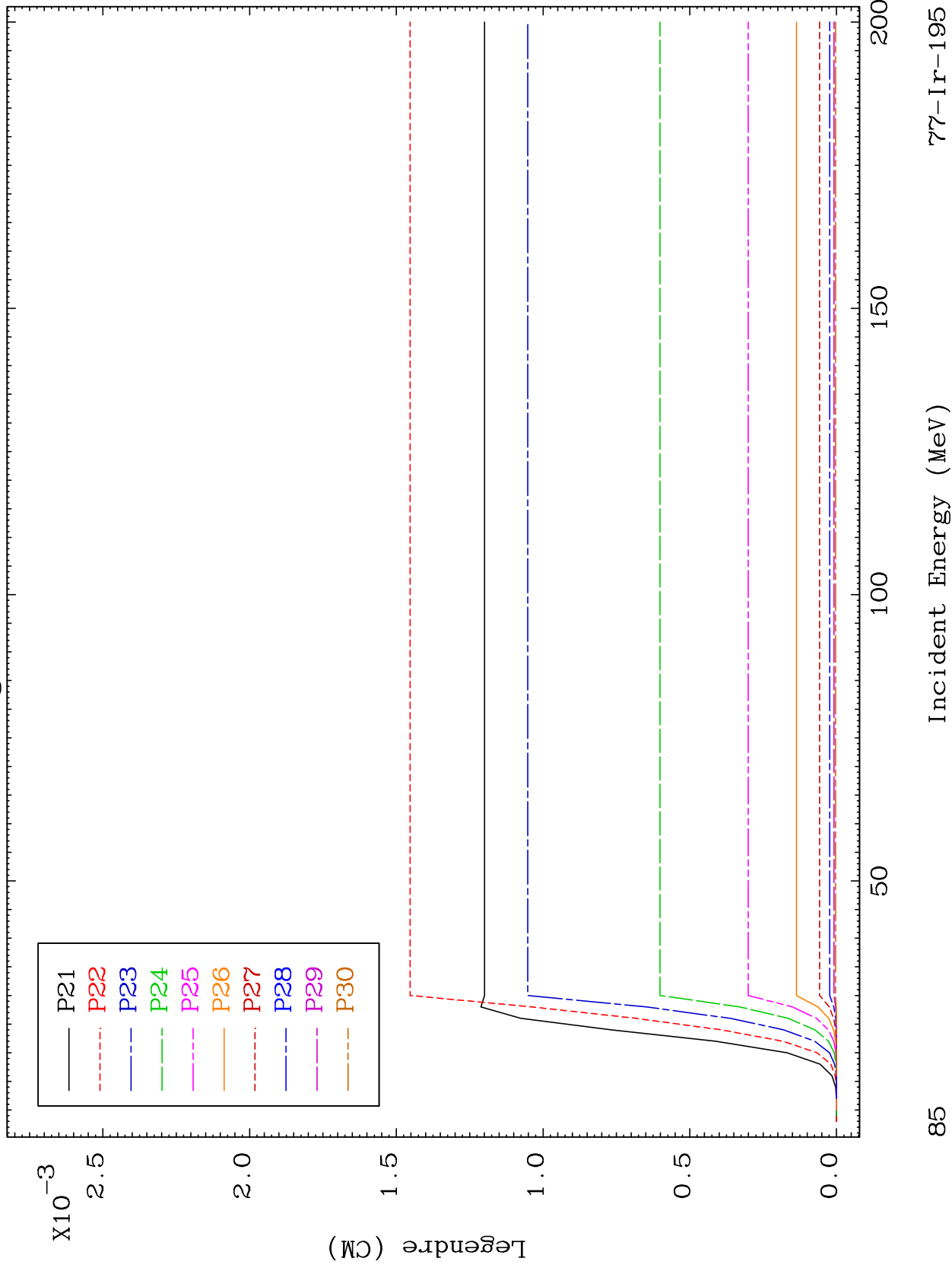
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

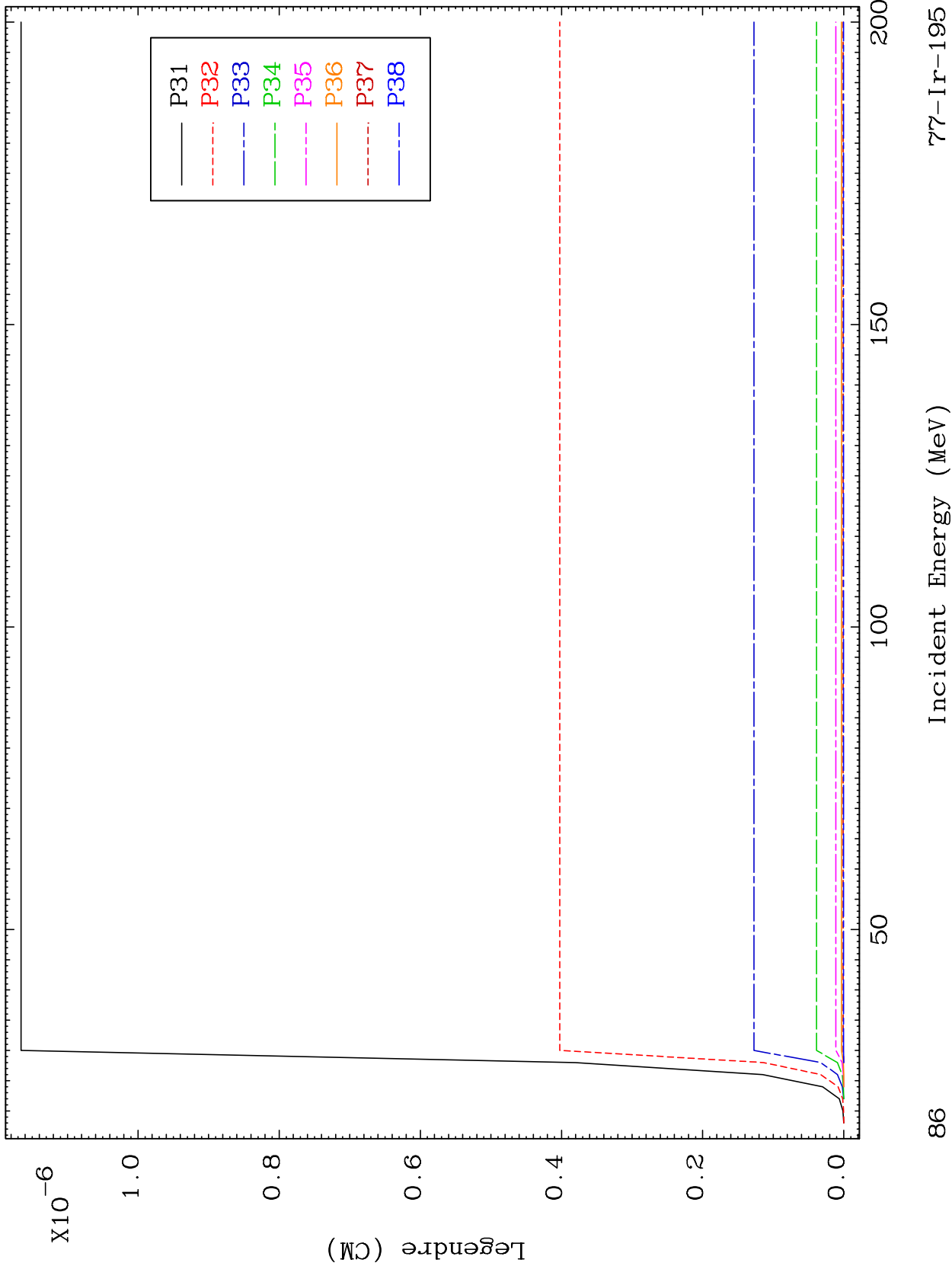
77-Ir-195



85

Incident Energy (MeV)

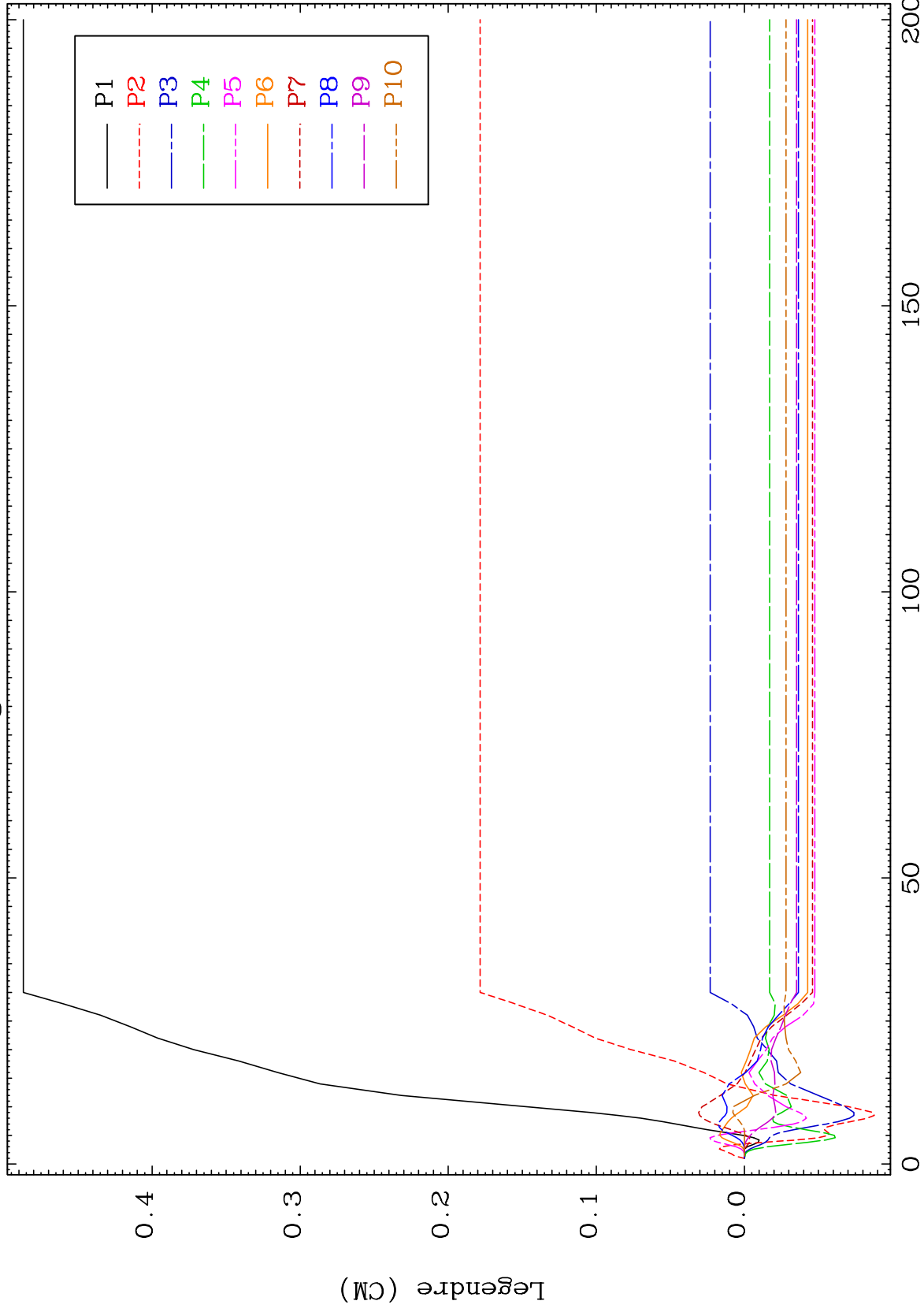
77-Ir-195



MAT 7737

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

77-Ir-195



87

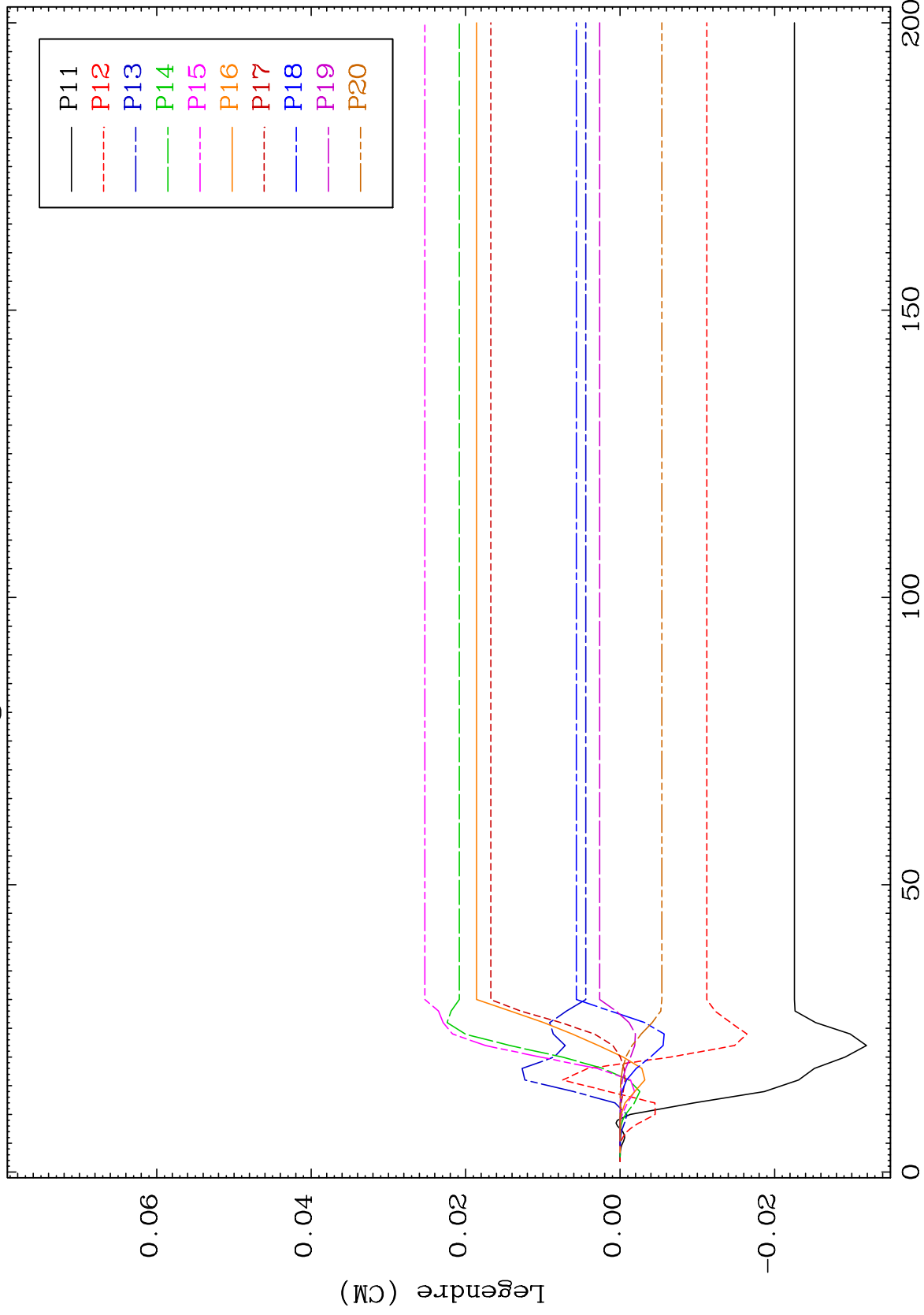
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



88

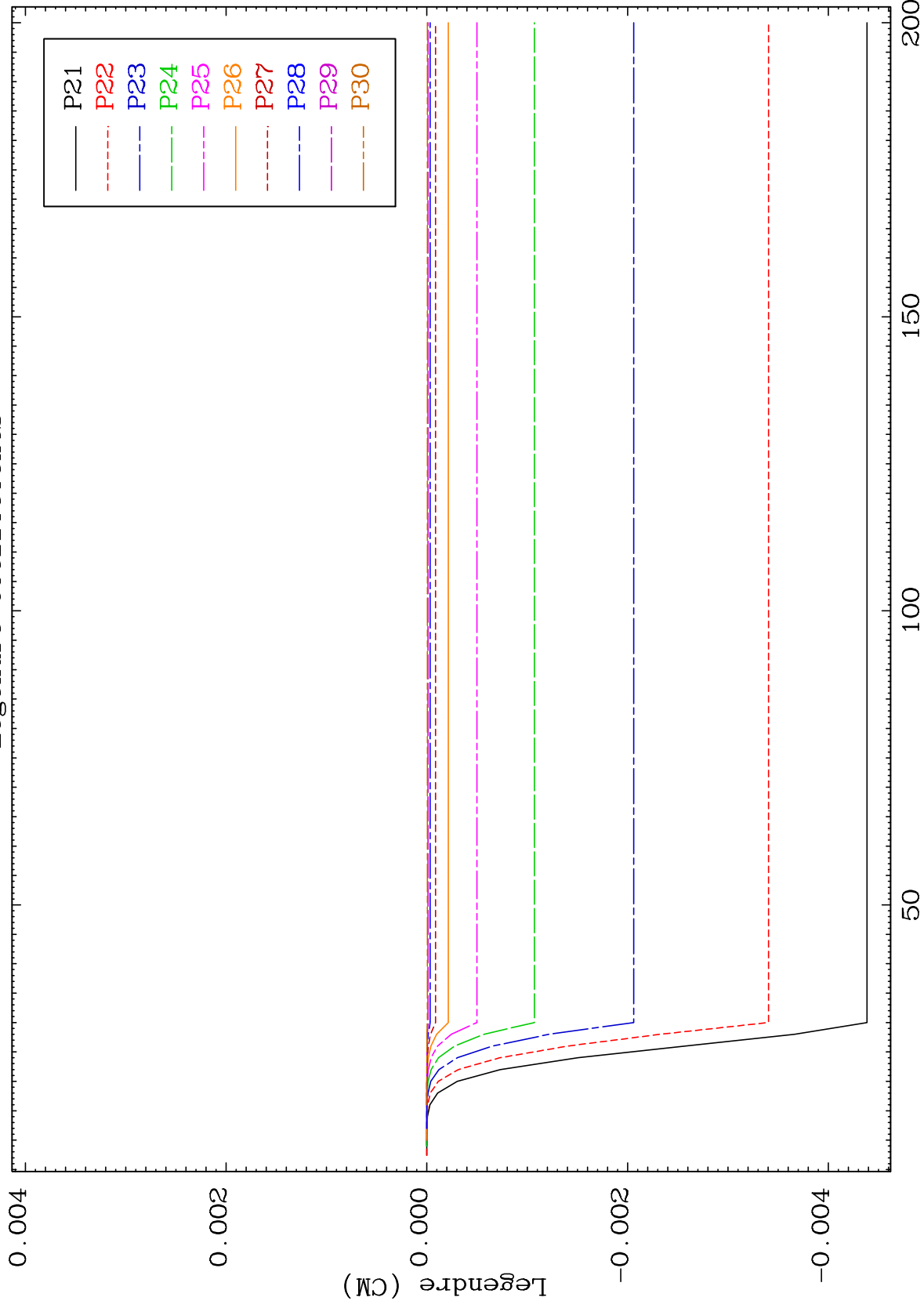
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

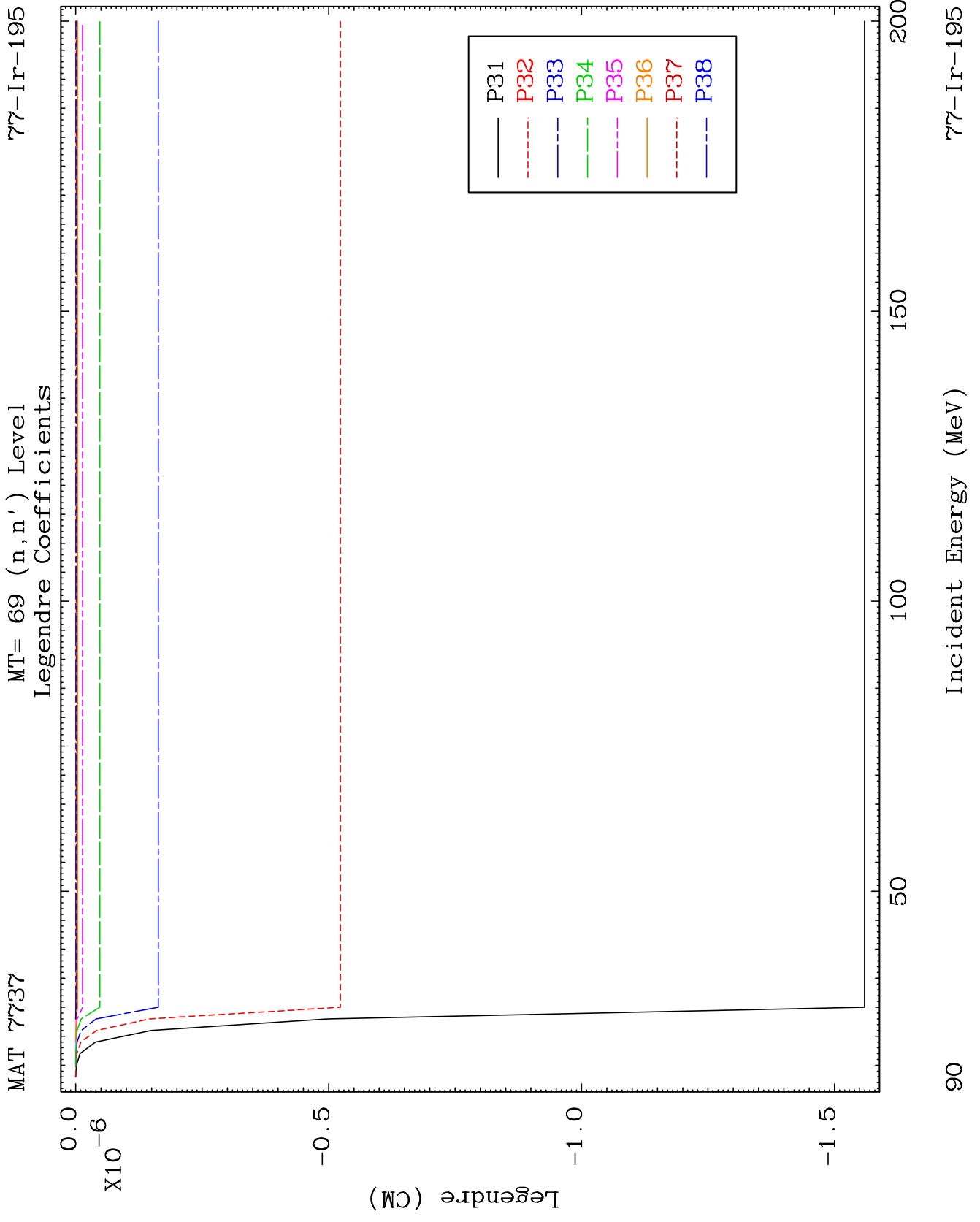
77-Ir-195



89

Incident Energy (MeV)

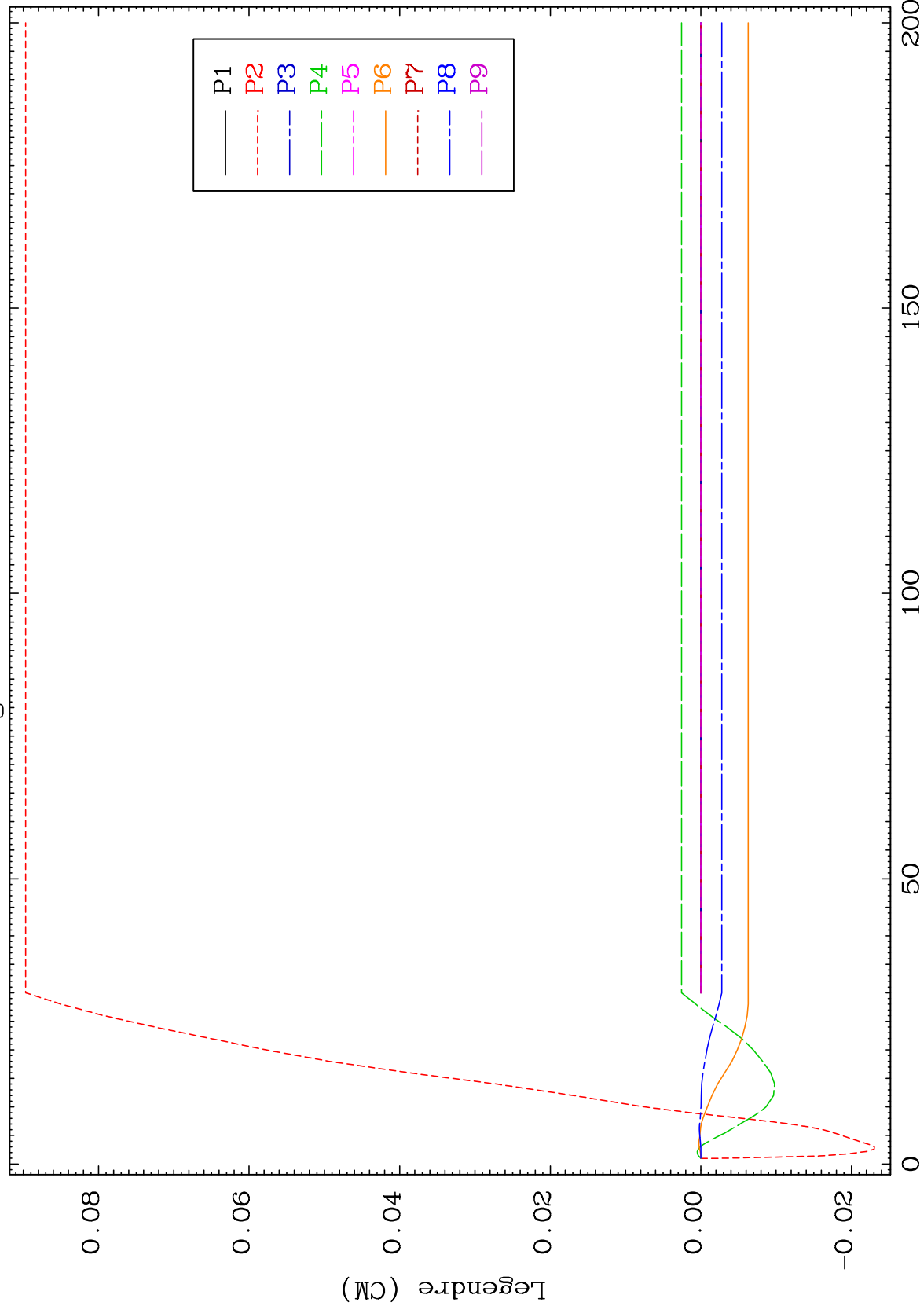
77-Ir-195



MAT 7737

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

77-Ir-195



91

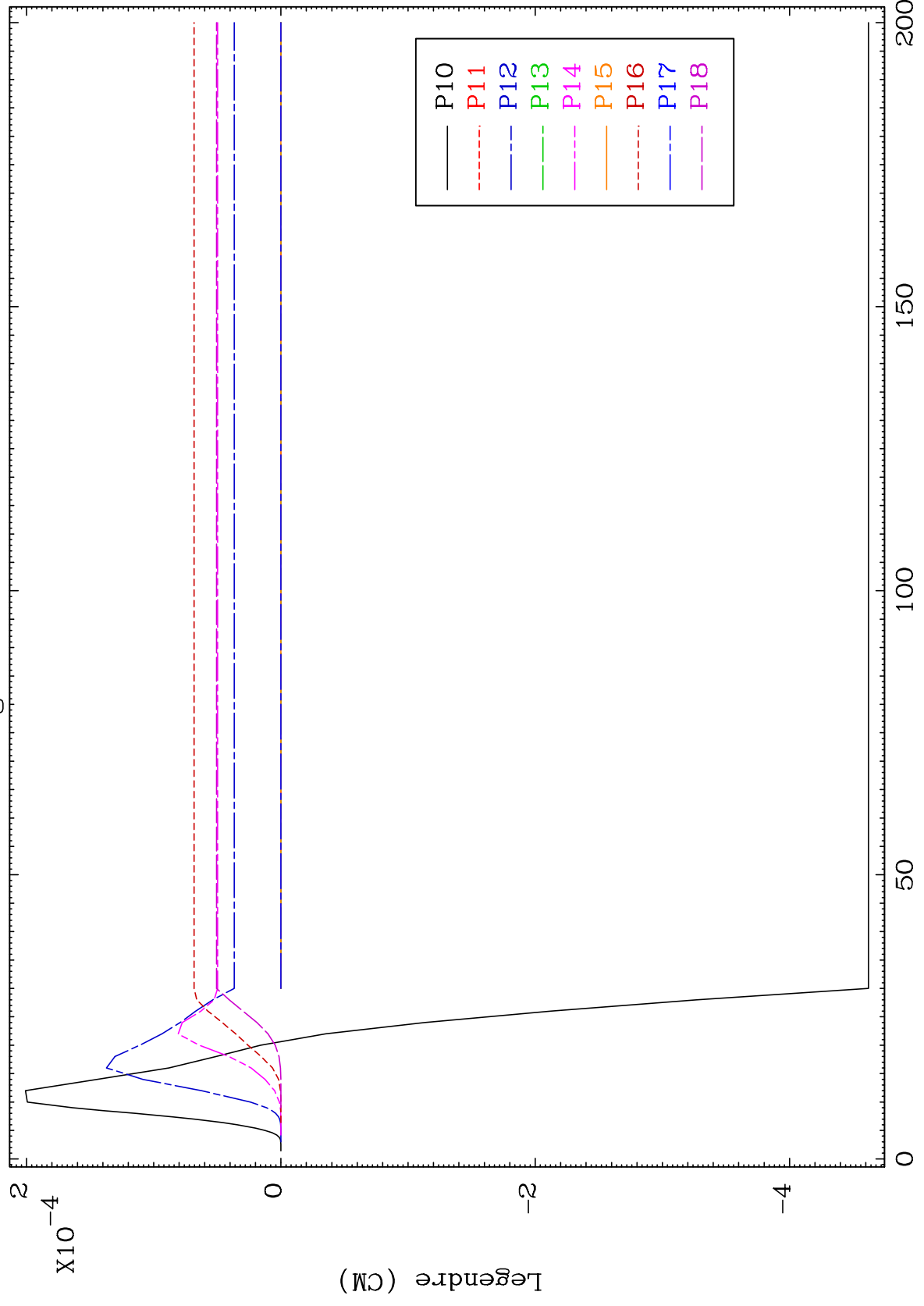
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

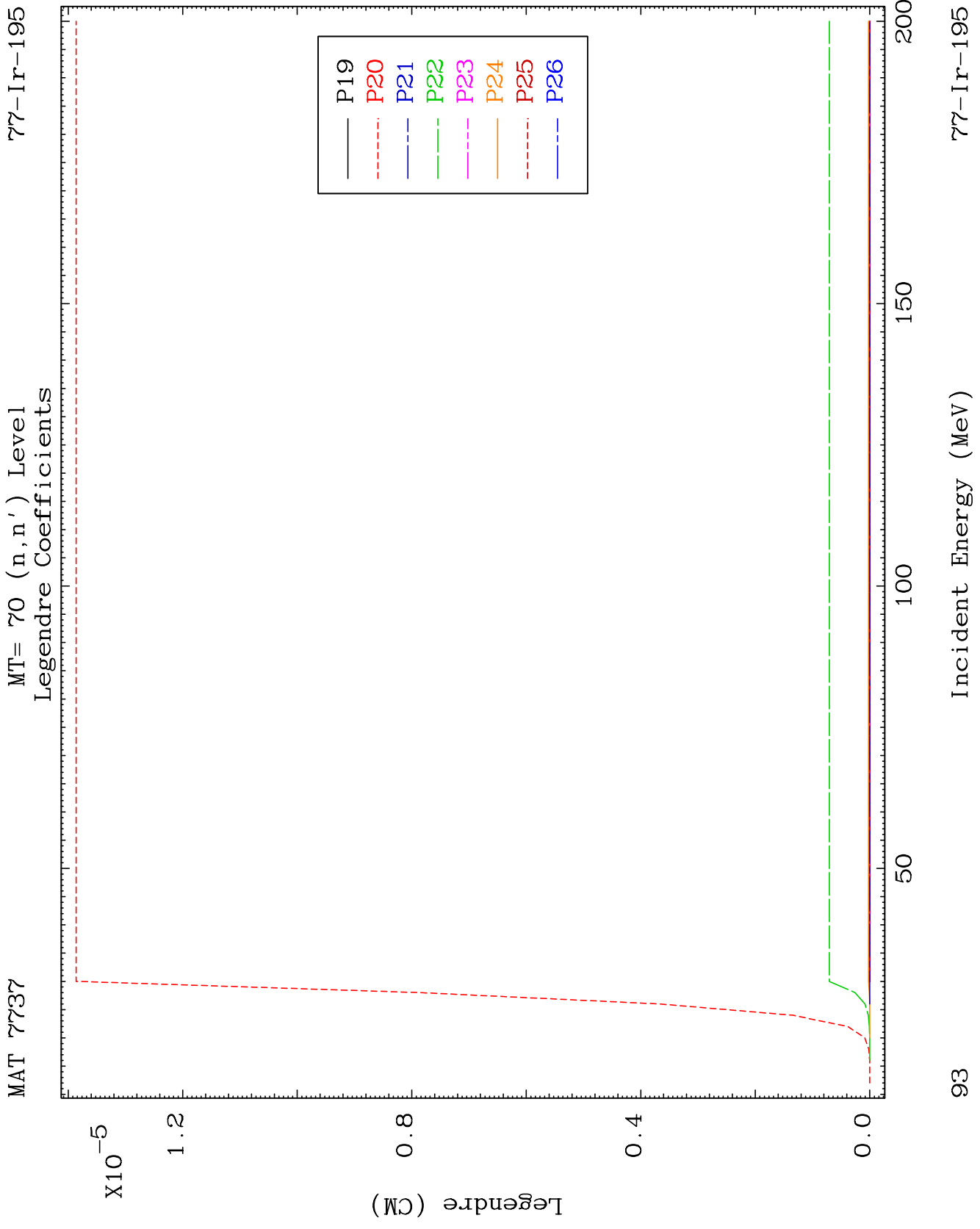
77-Ir-195

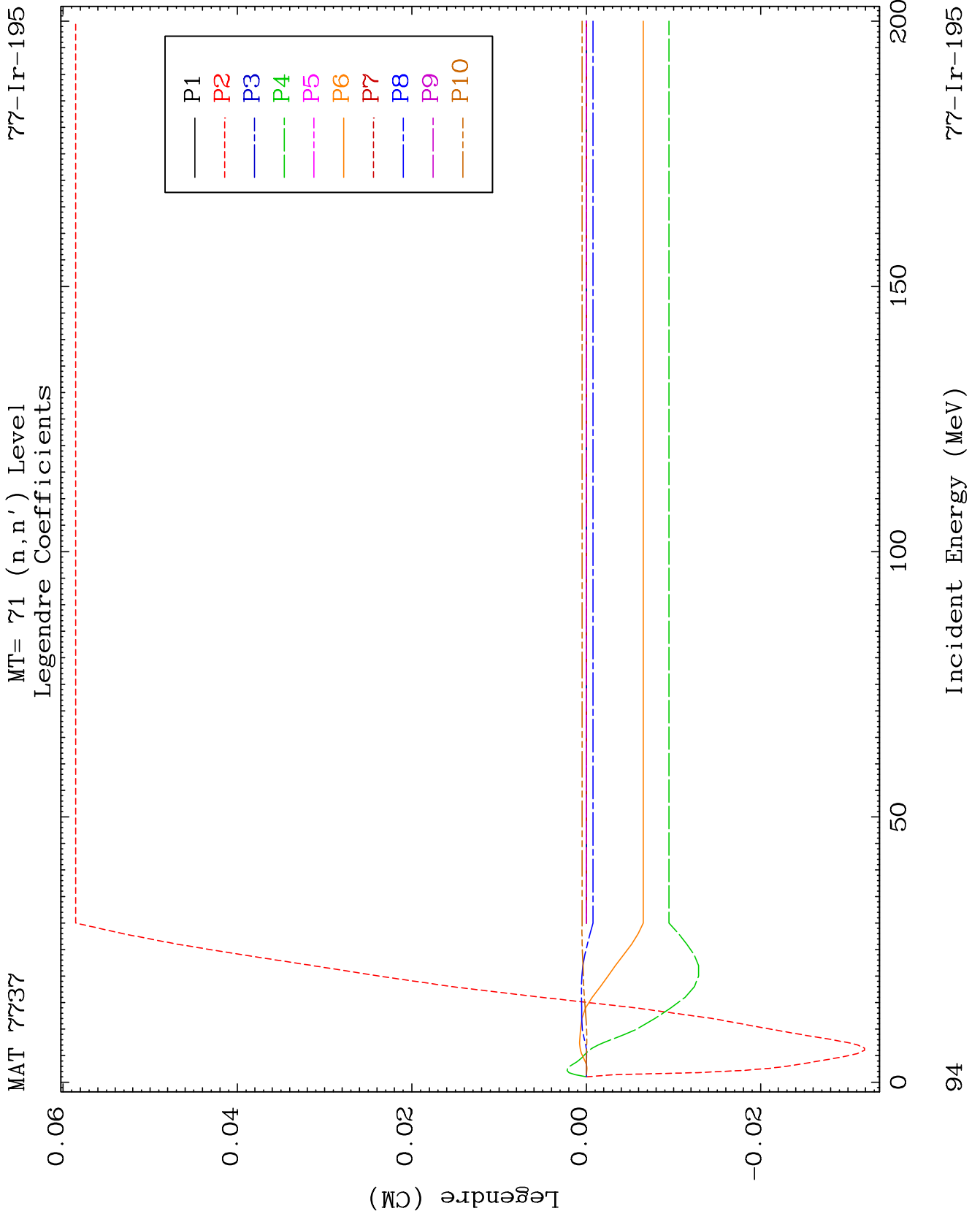


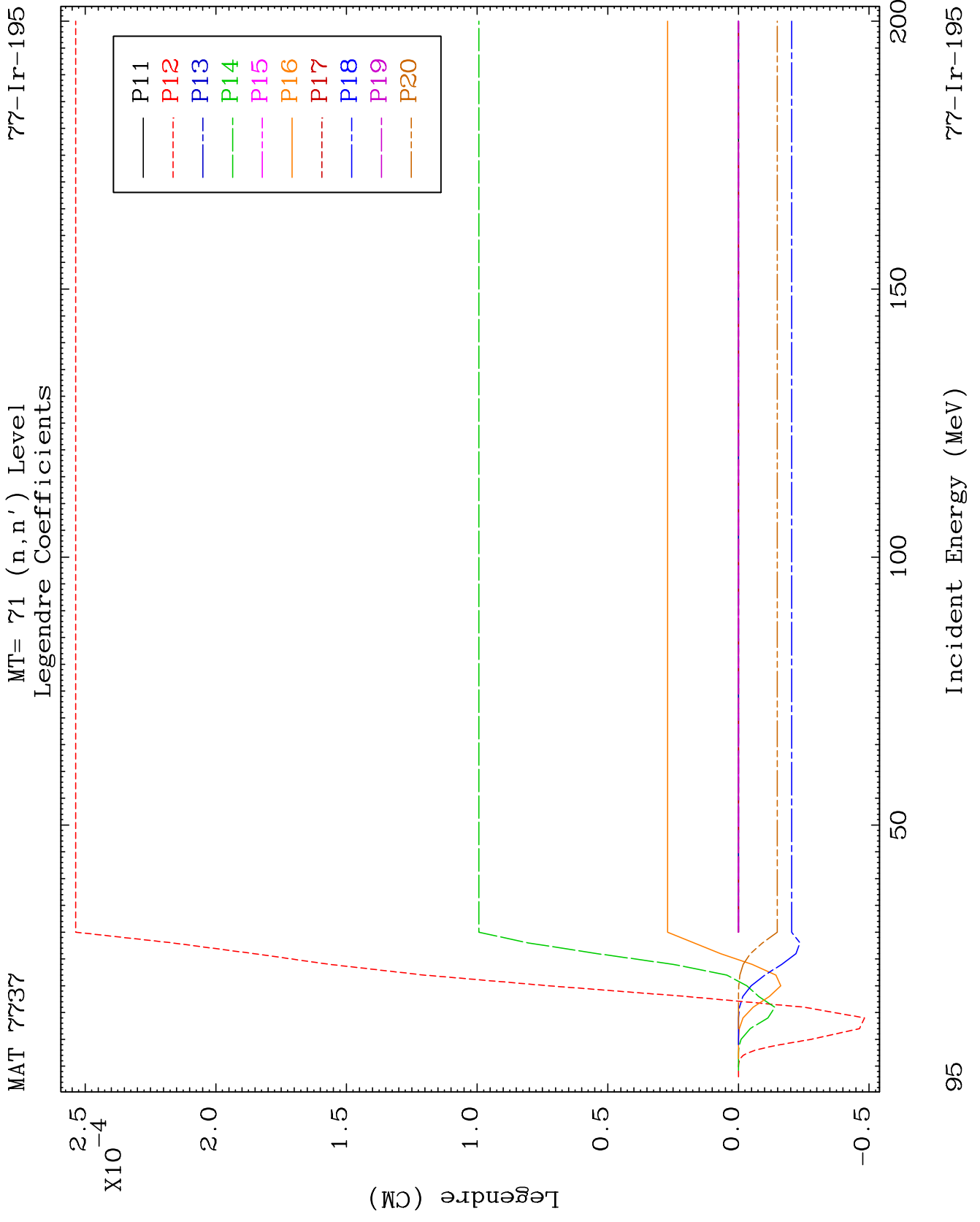
92

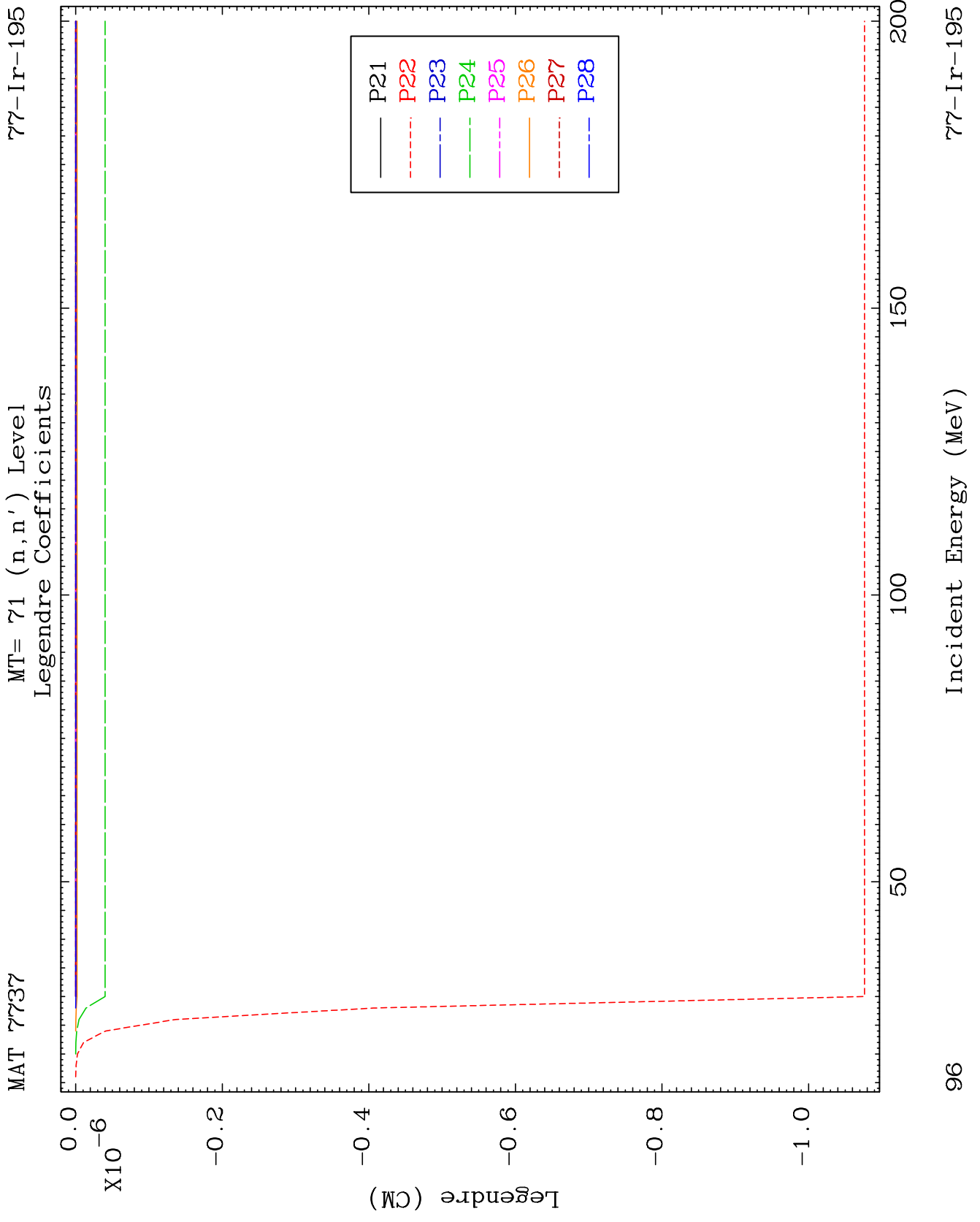
Incident Energy (MeV)

77-Ir-195





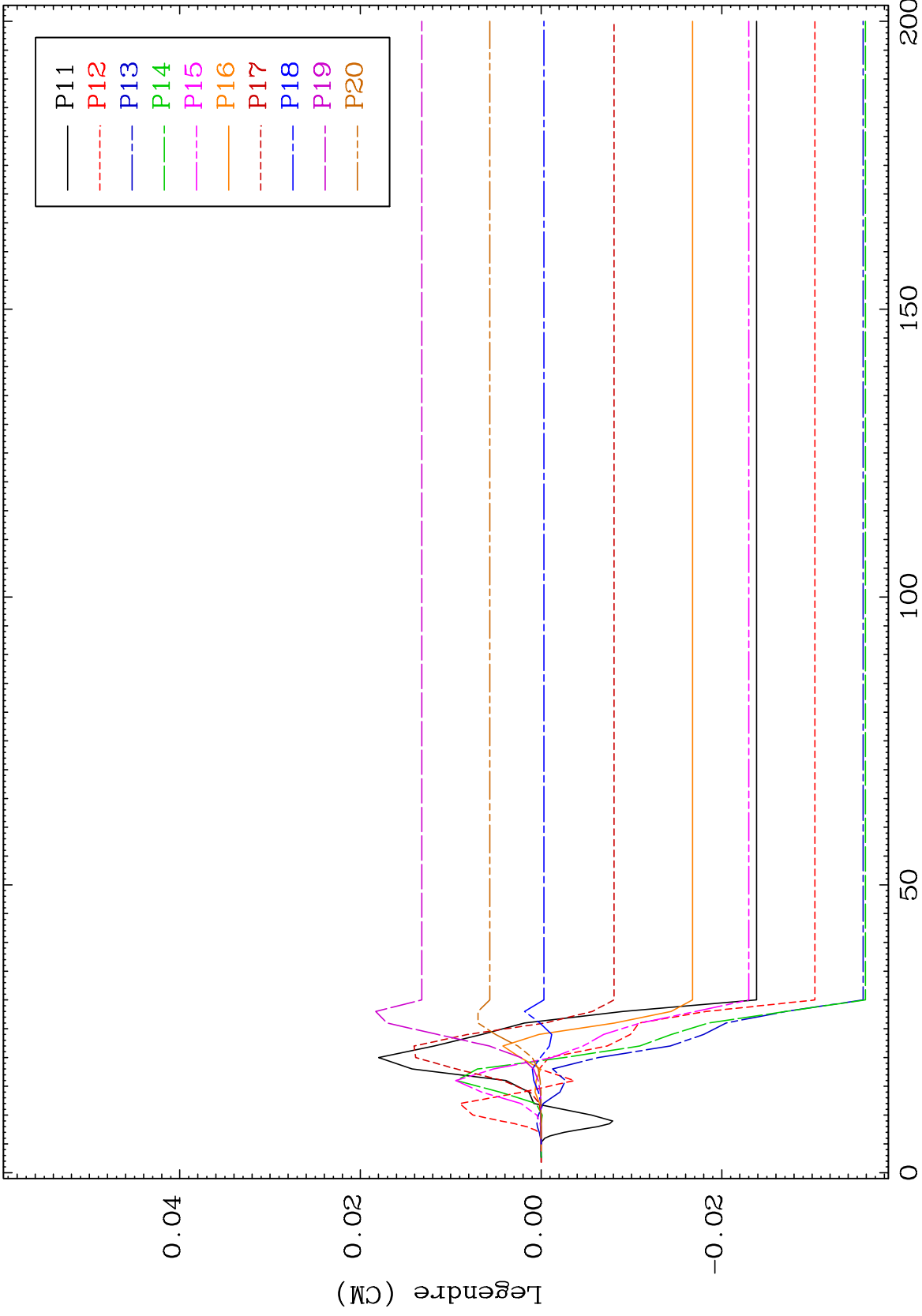




MAT 7737

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

77-Ir-195



98

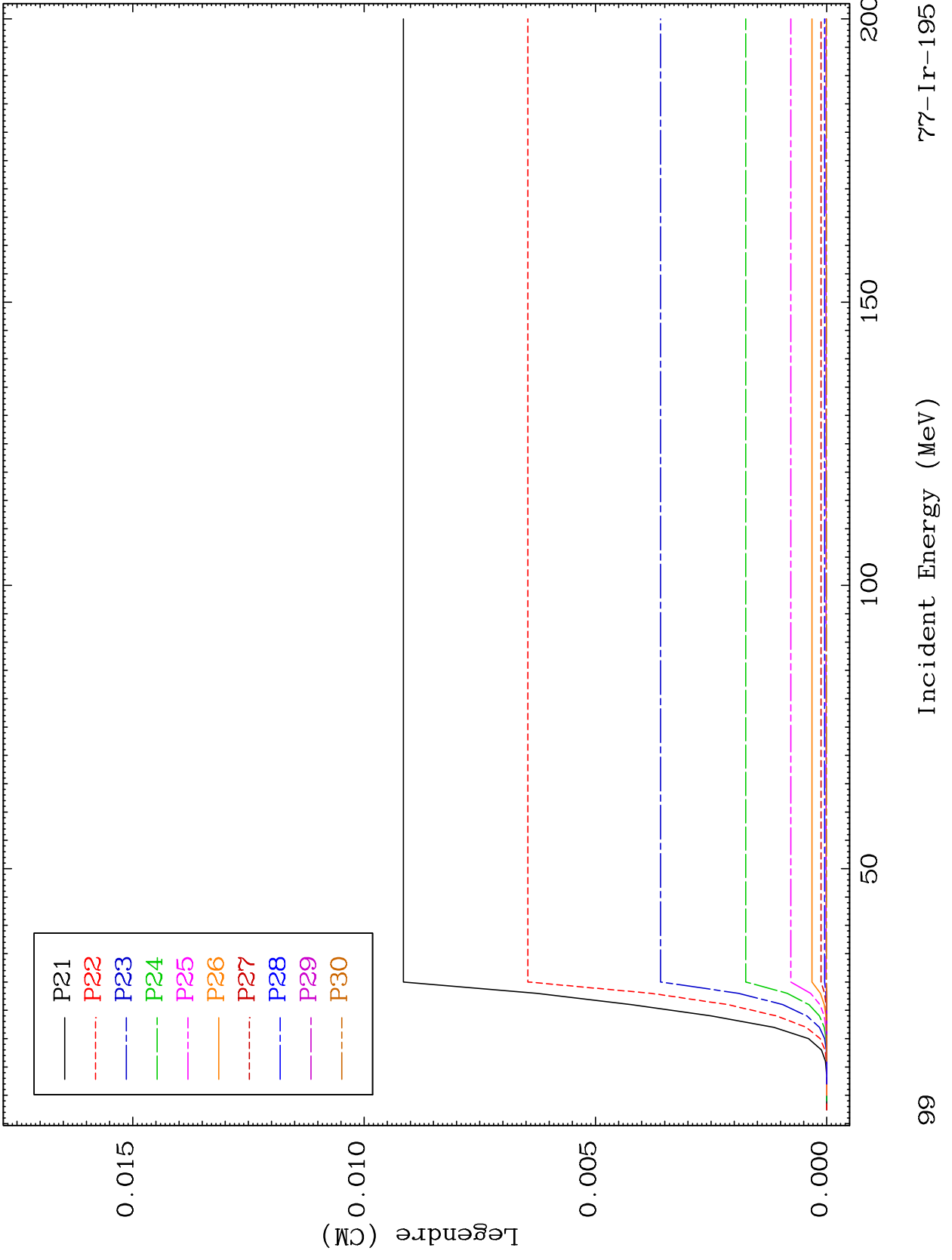
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



99

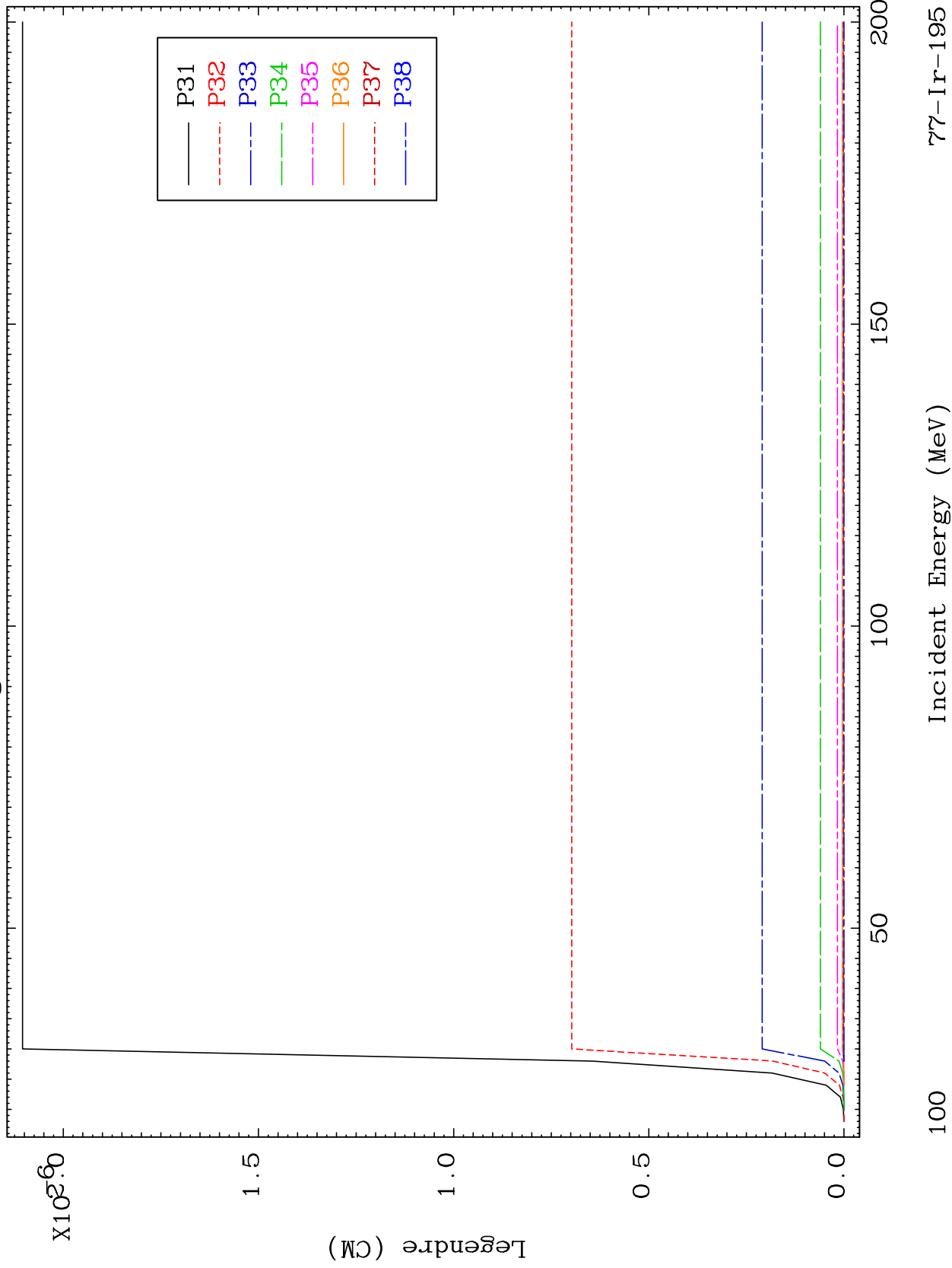
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

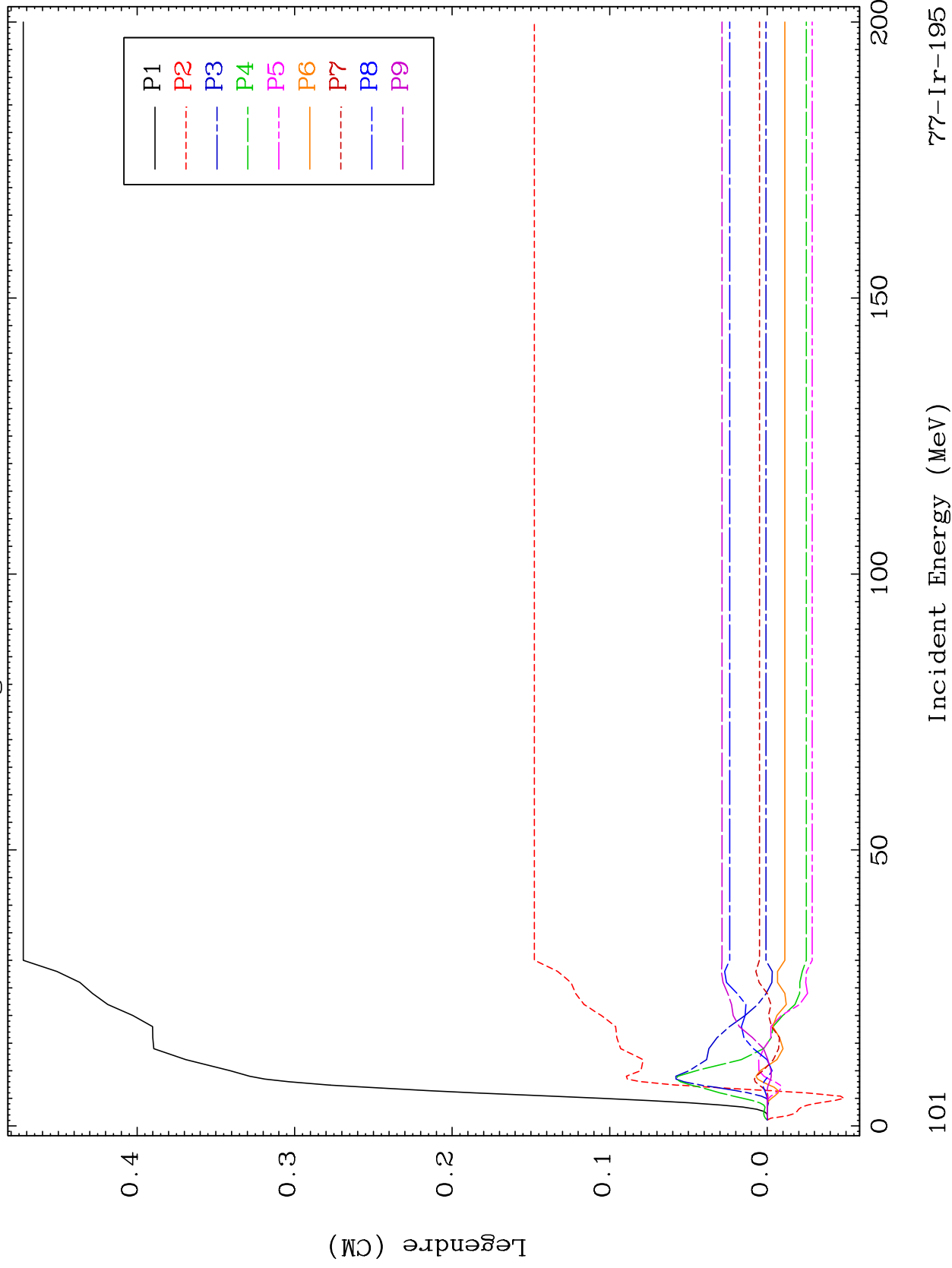
77-Ir-195



MAT 7737

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

77-Ir-195



77-Ir-195

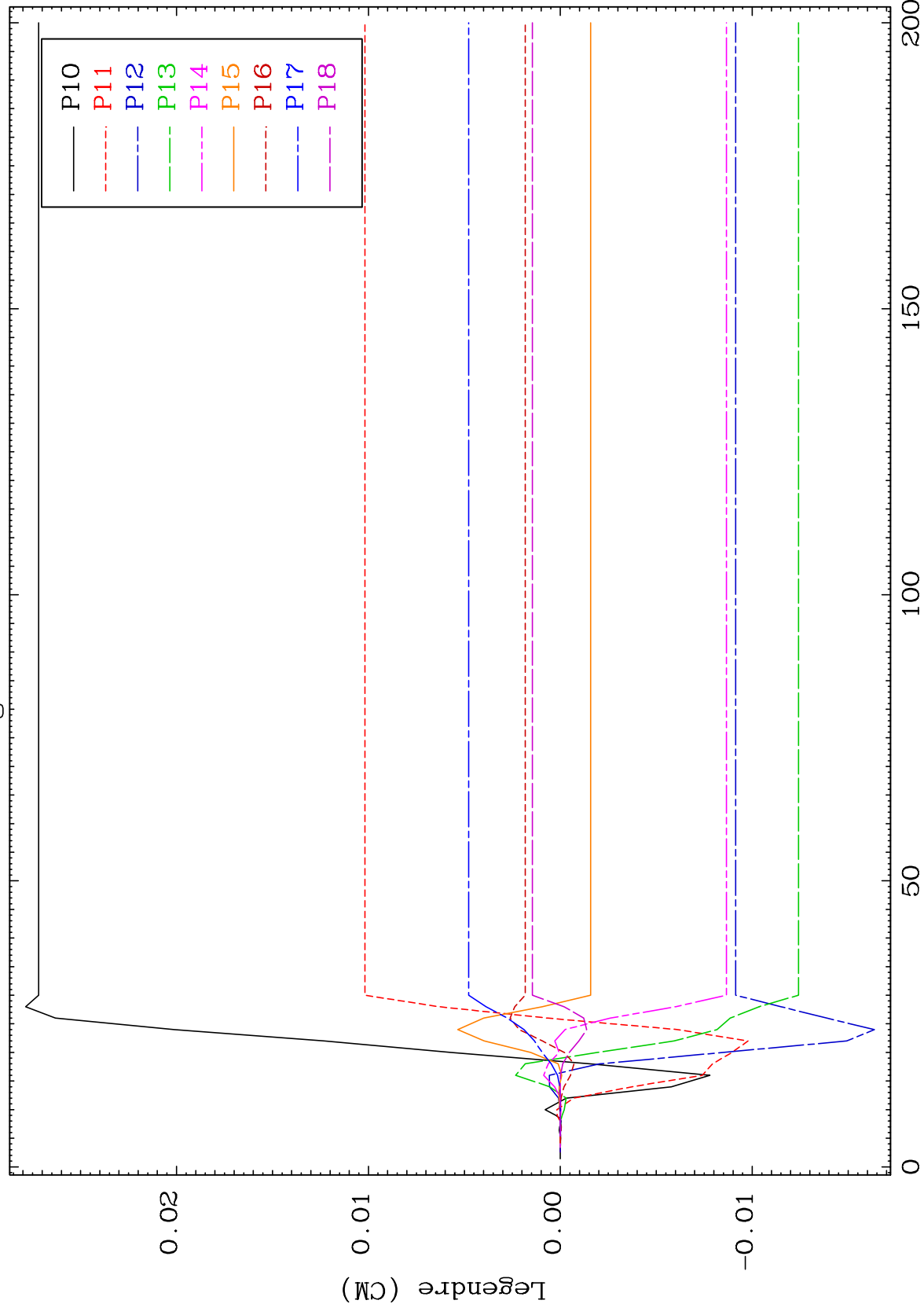
Incident Energy (MeV)

101

MAT 7737

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

77-Ir-195



102

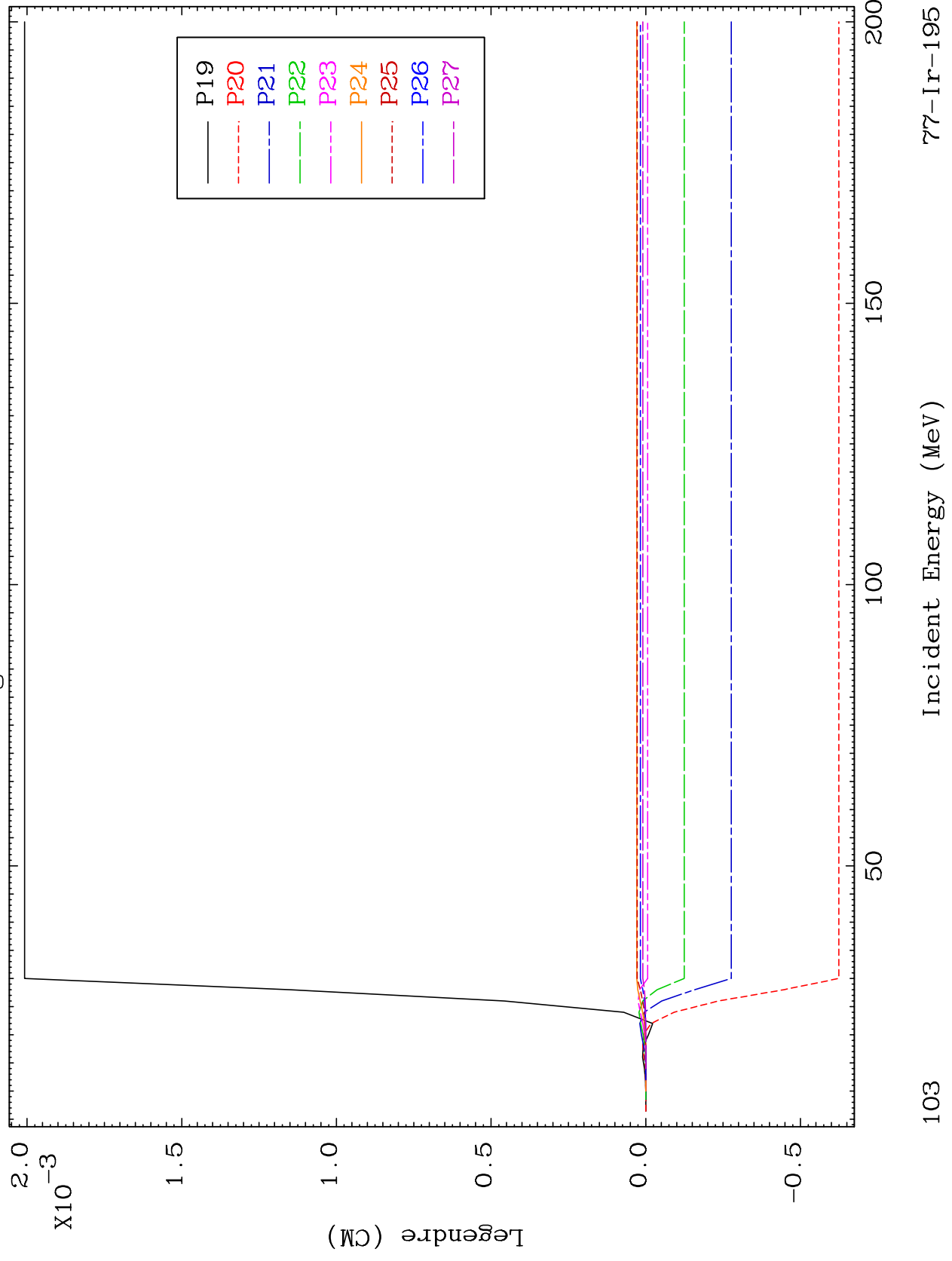
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



103

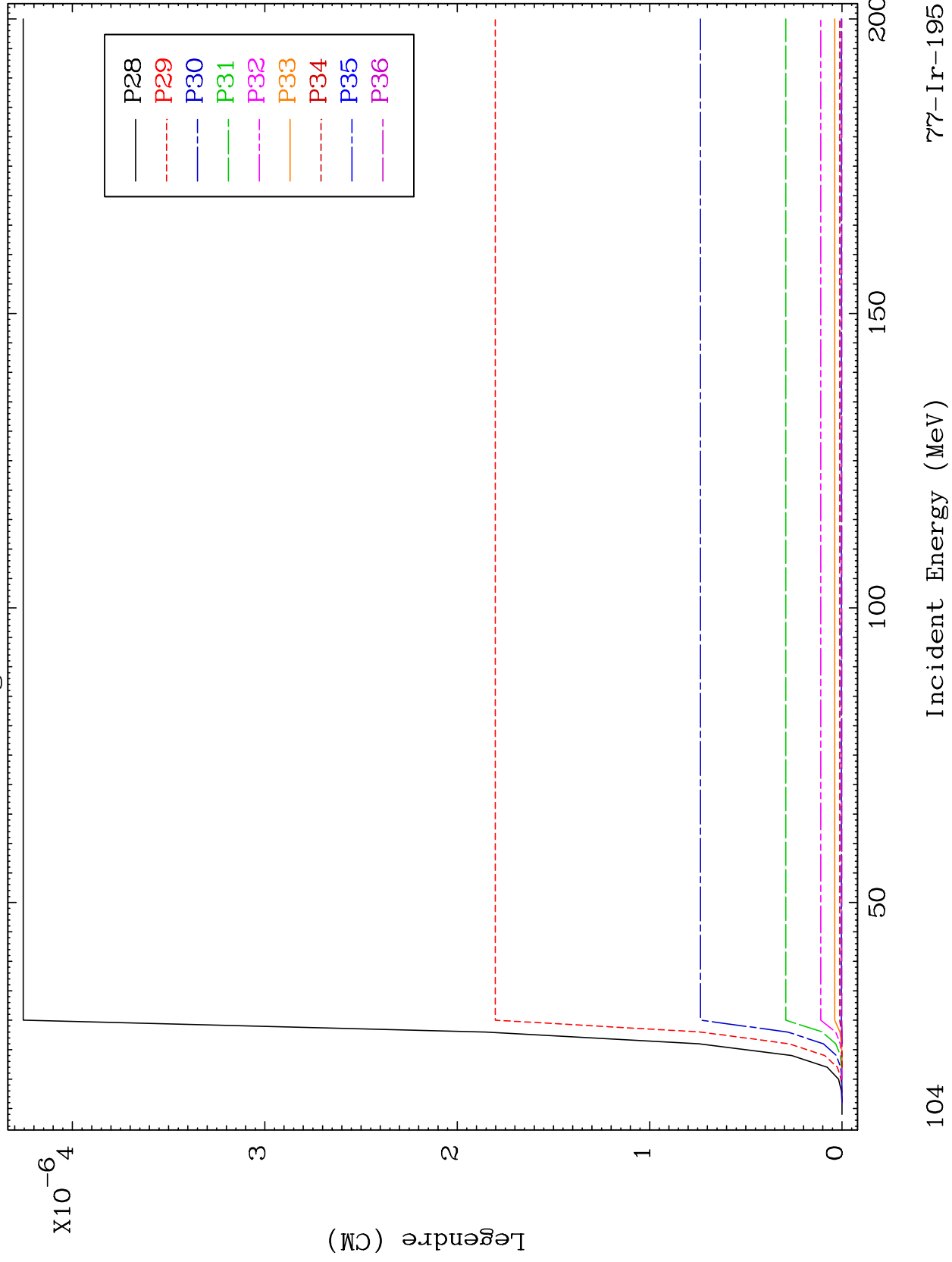
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



104

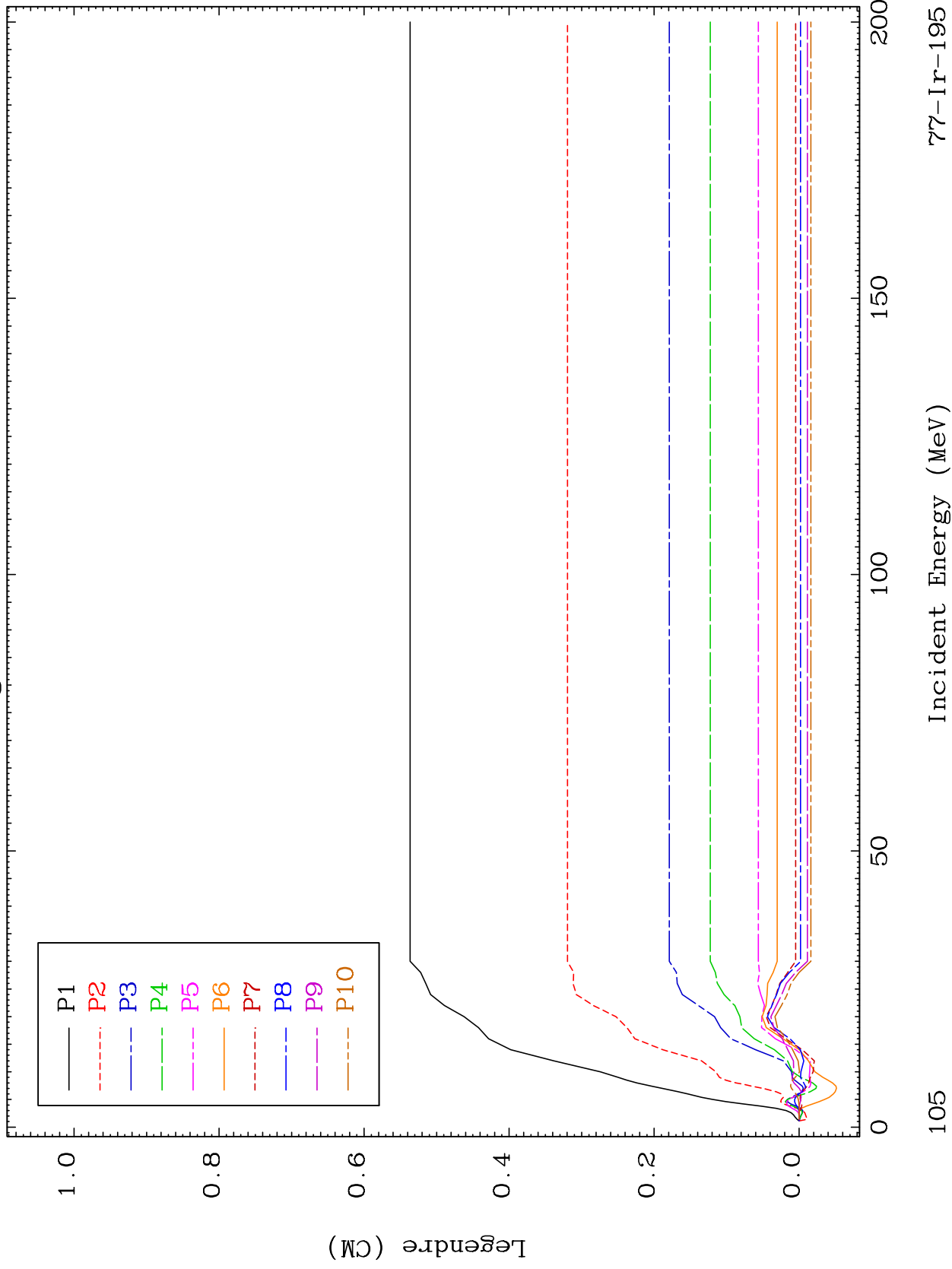
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

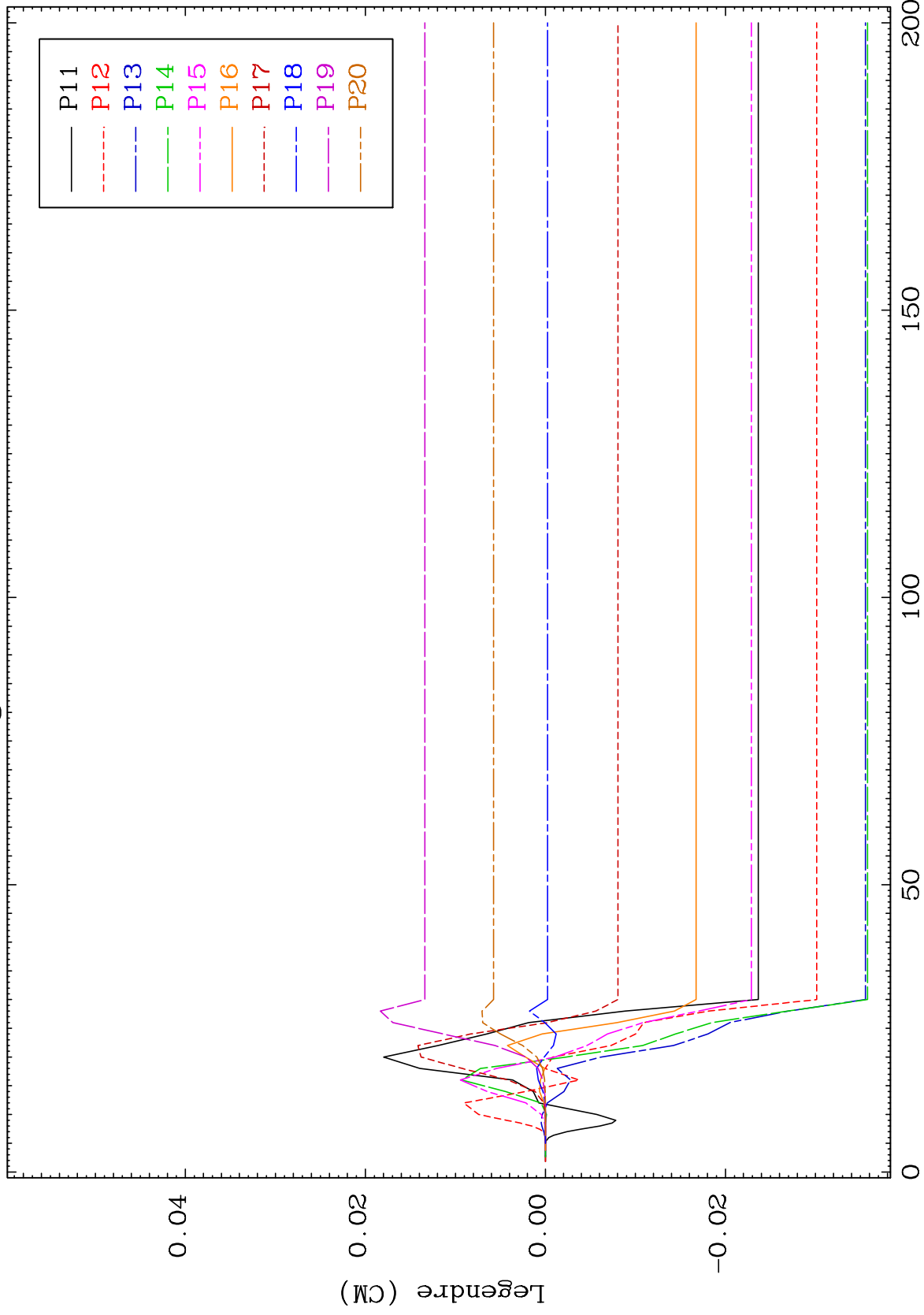
77-Ir-195



MAT 7737

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

77-Ir-195



106

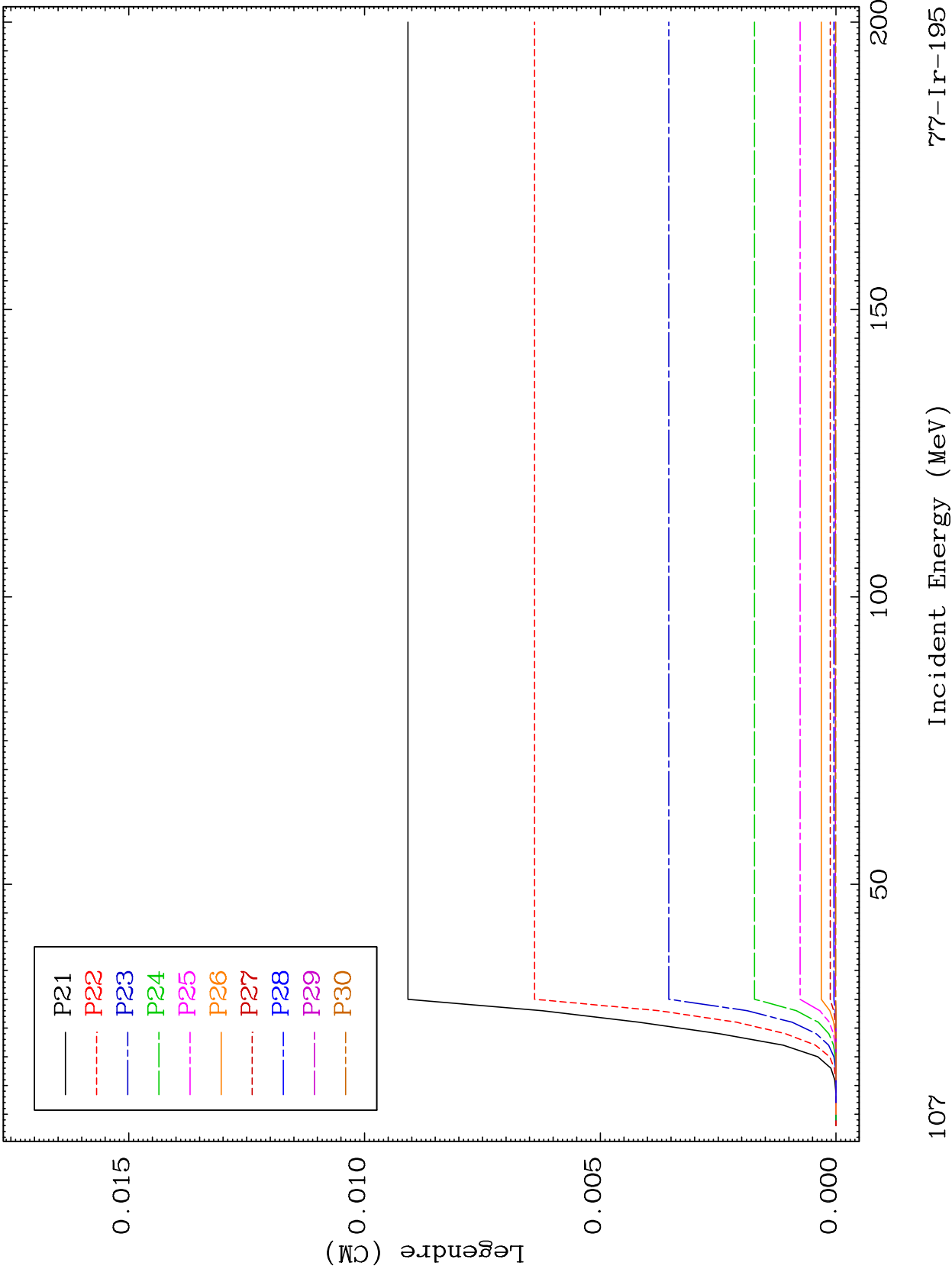
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

77-Ir-195



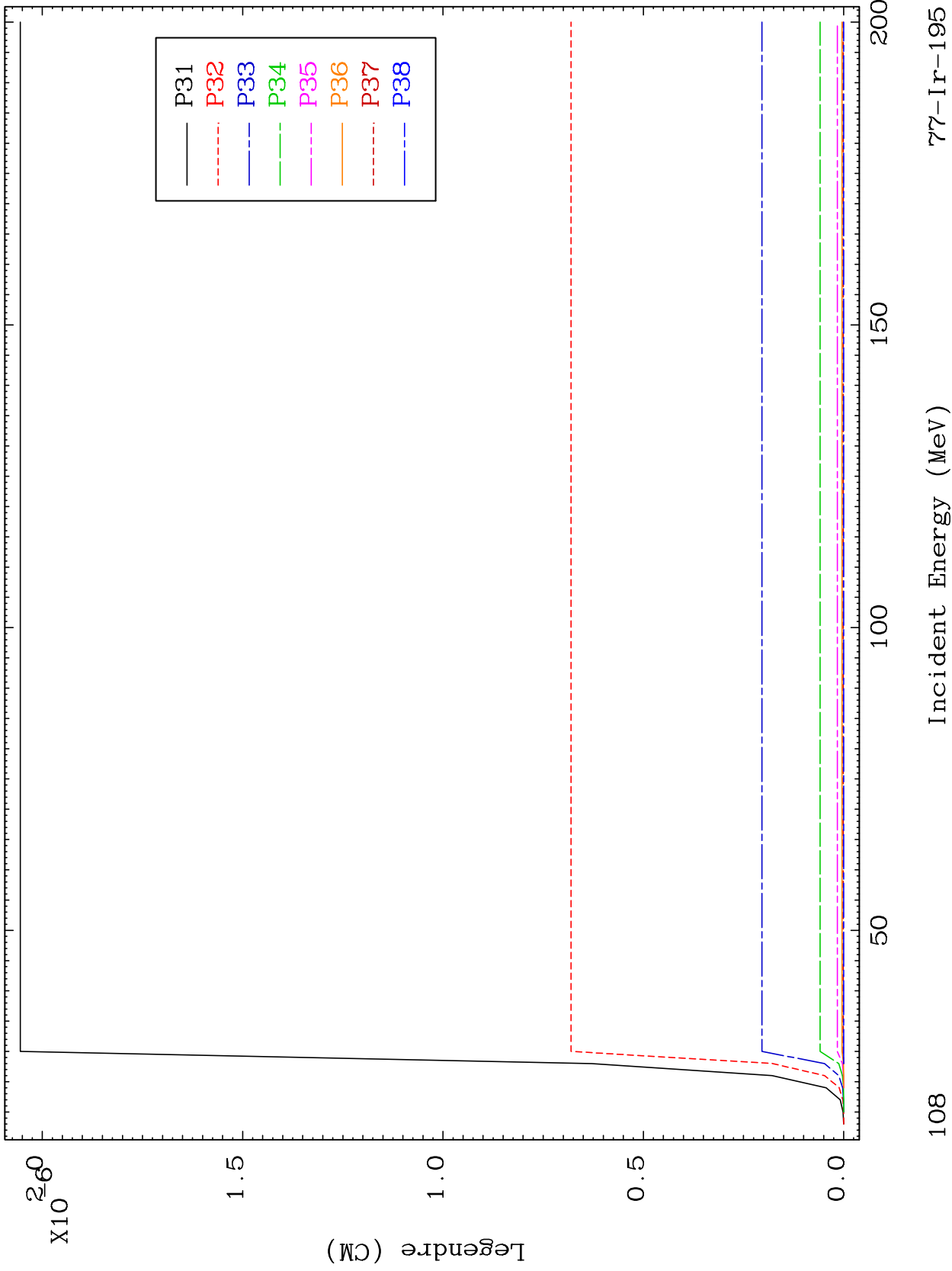
107

77-Ir-195

MAT 7737

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

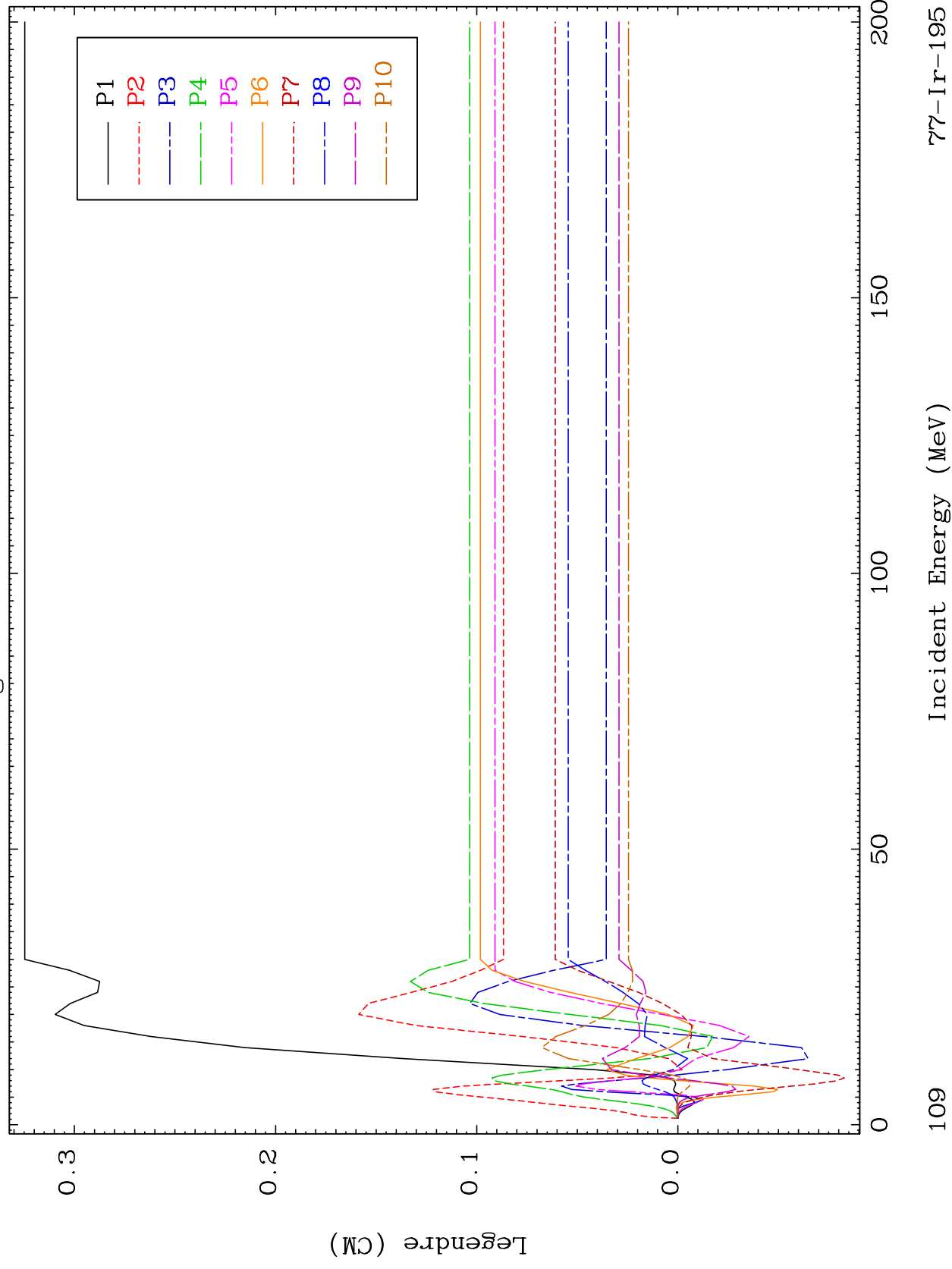
77-Ir-195



MAT 7737

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

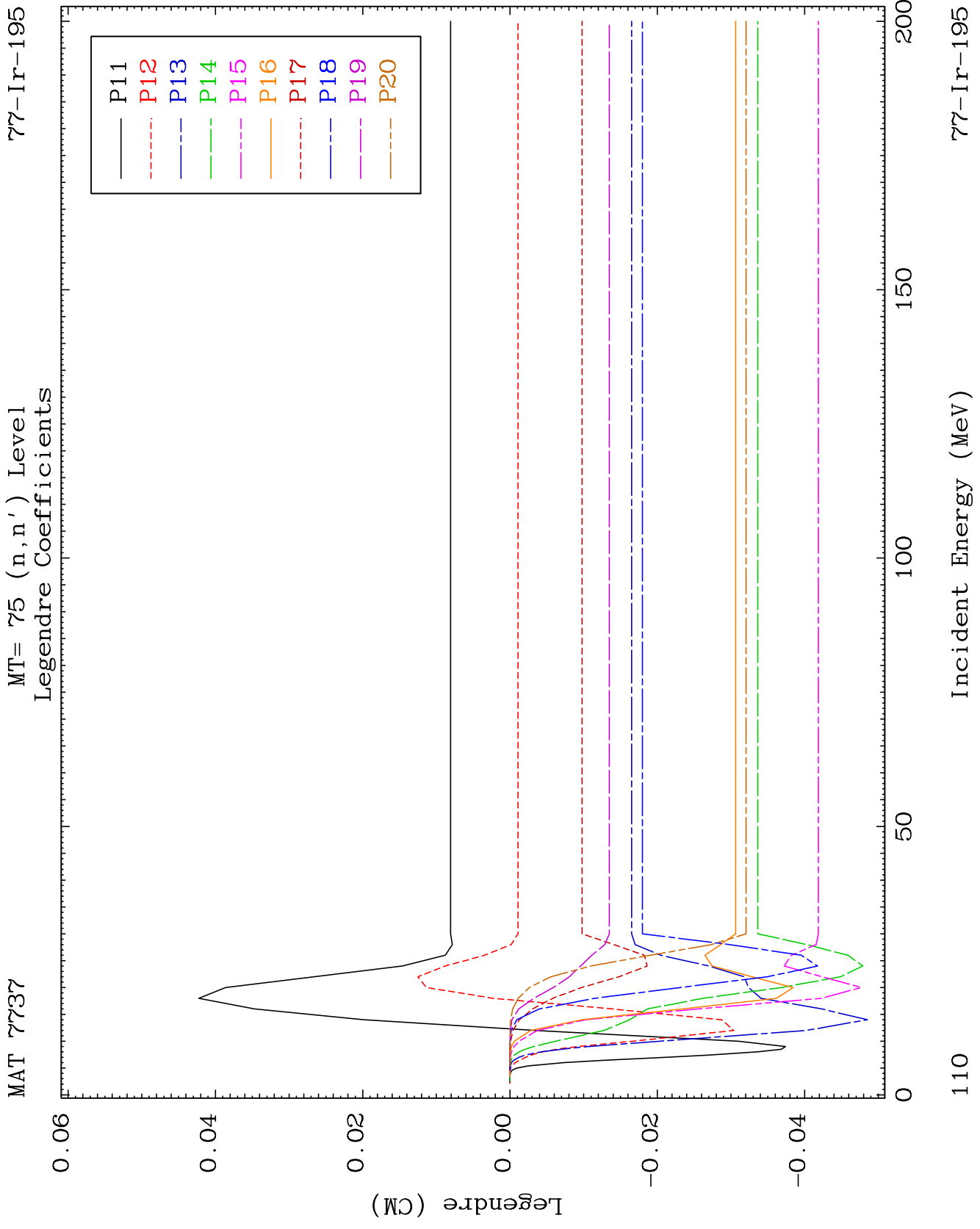
77-Ir-195



77-Ir-195

Incident Energy (MeV)

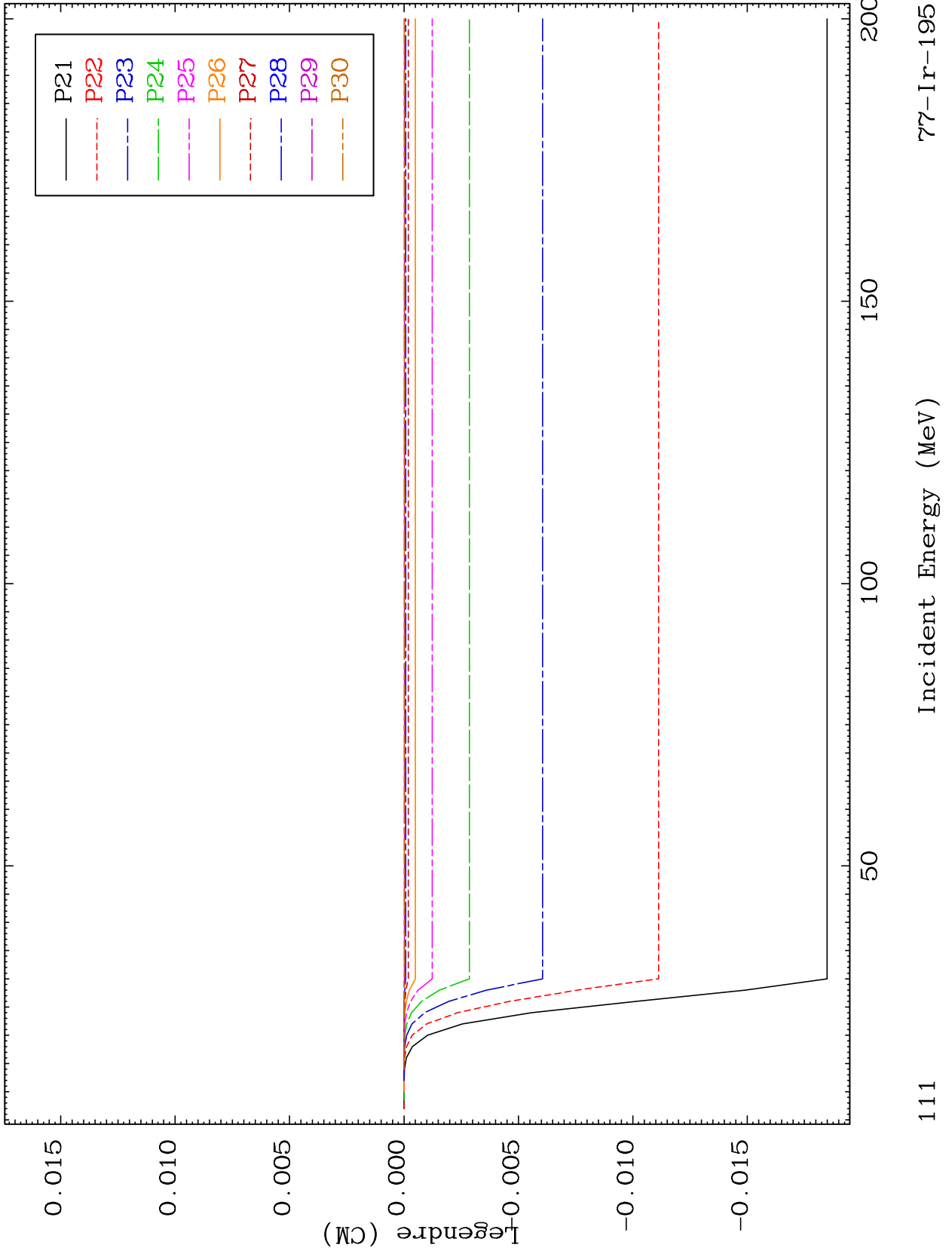
109



MAT 7737

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

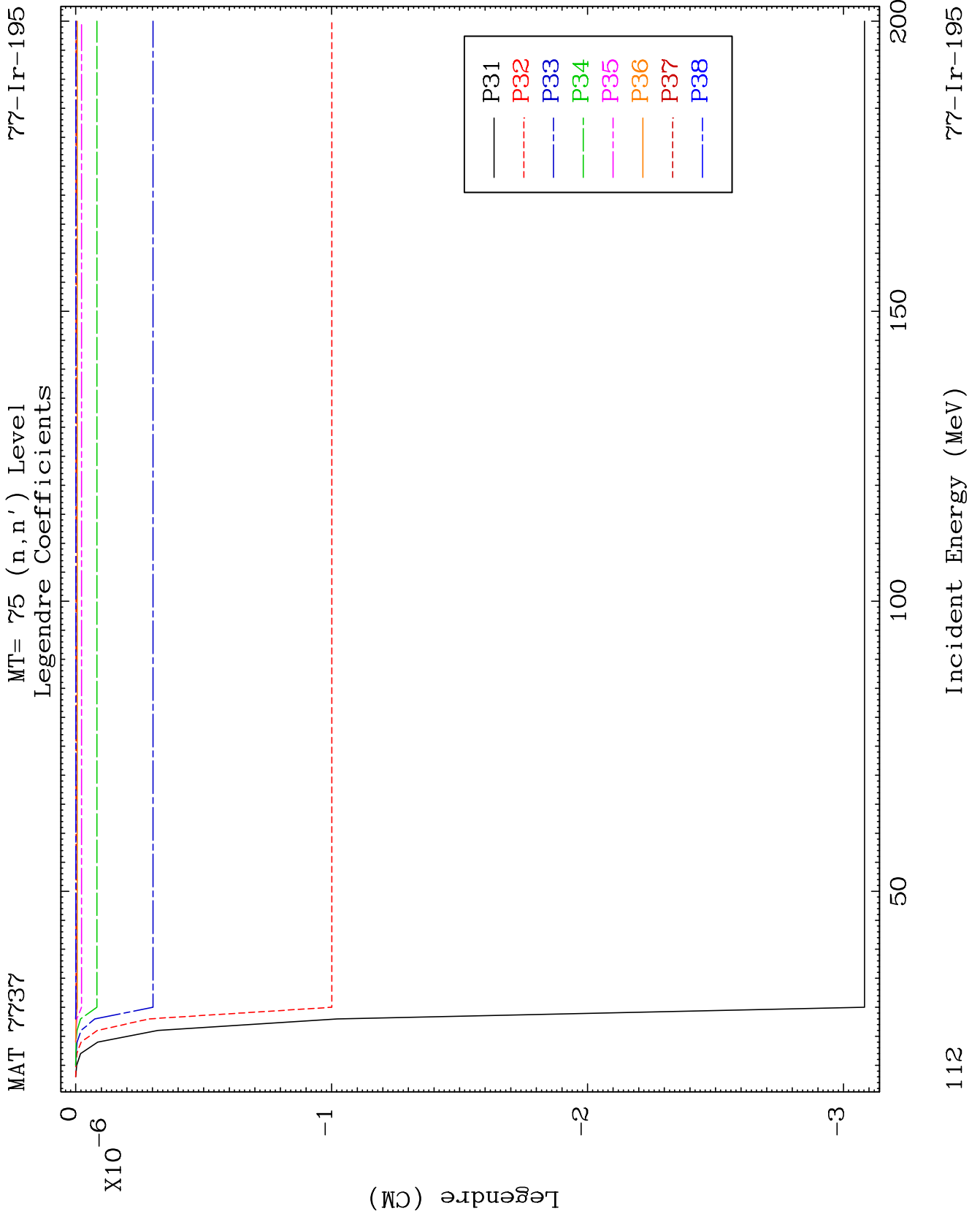
77-Ir-195



111

Incident Energy (MeV)

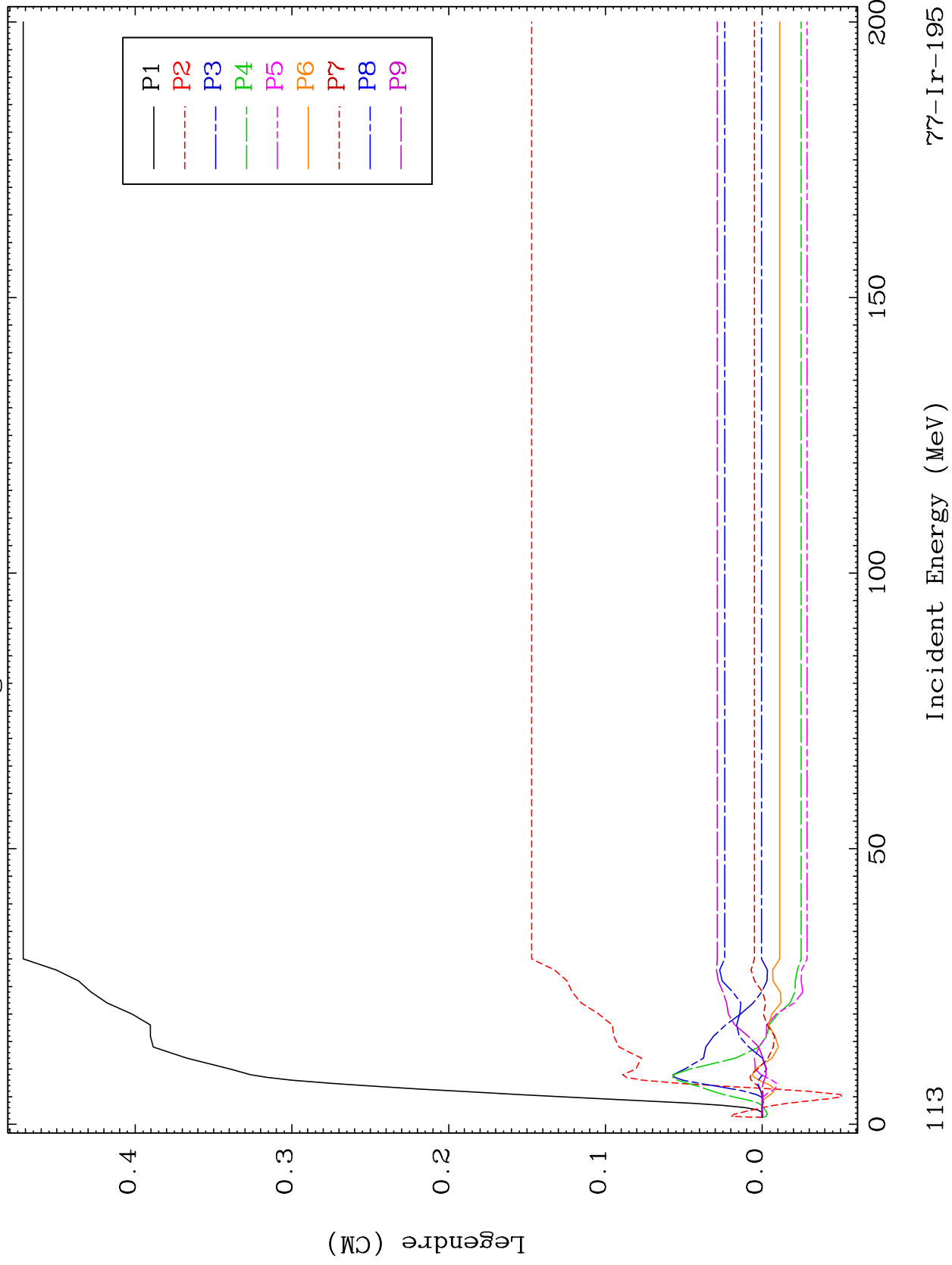
77-Ir-195



MAT 7737

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

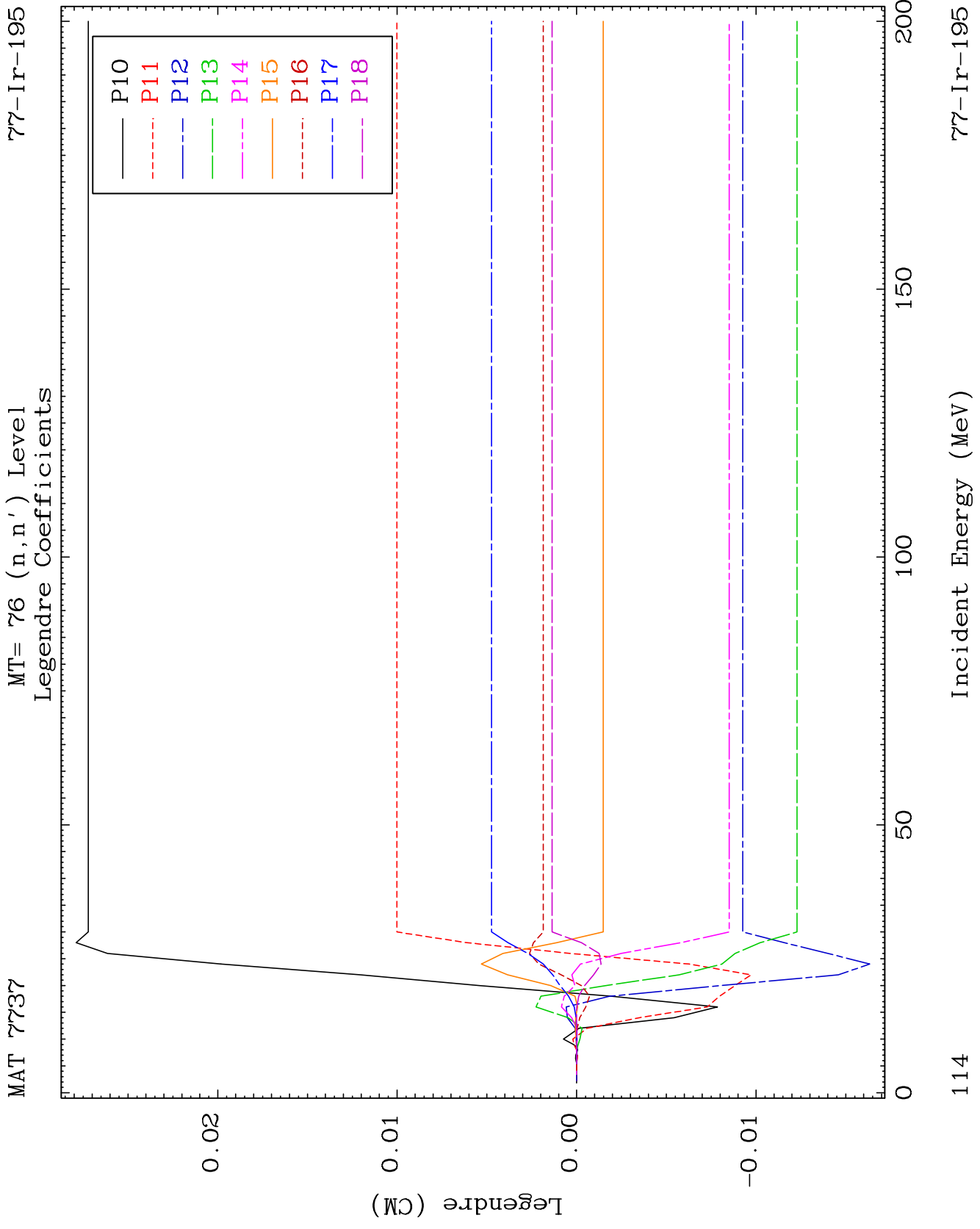
77-Ir-195

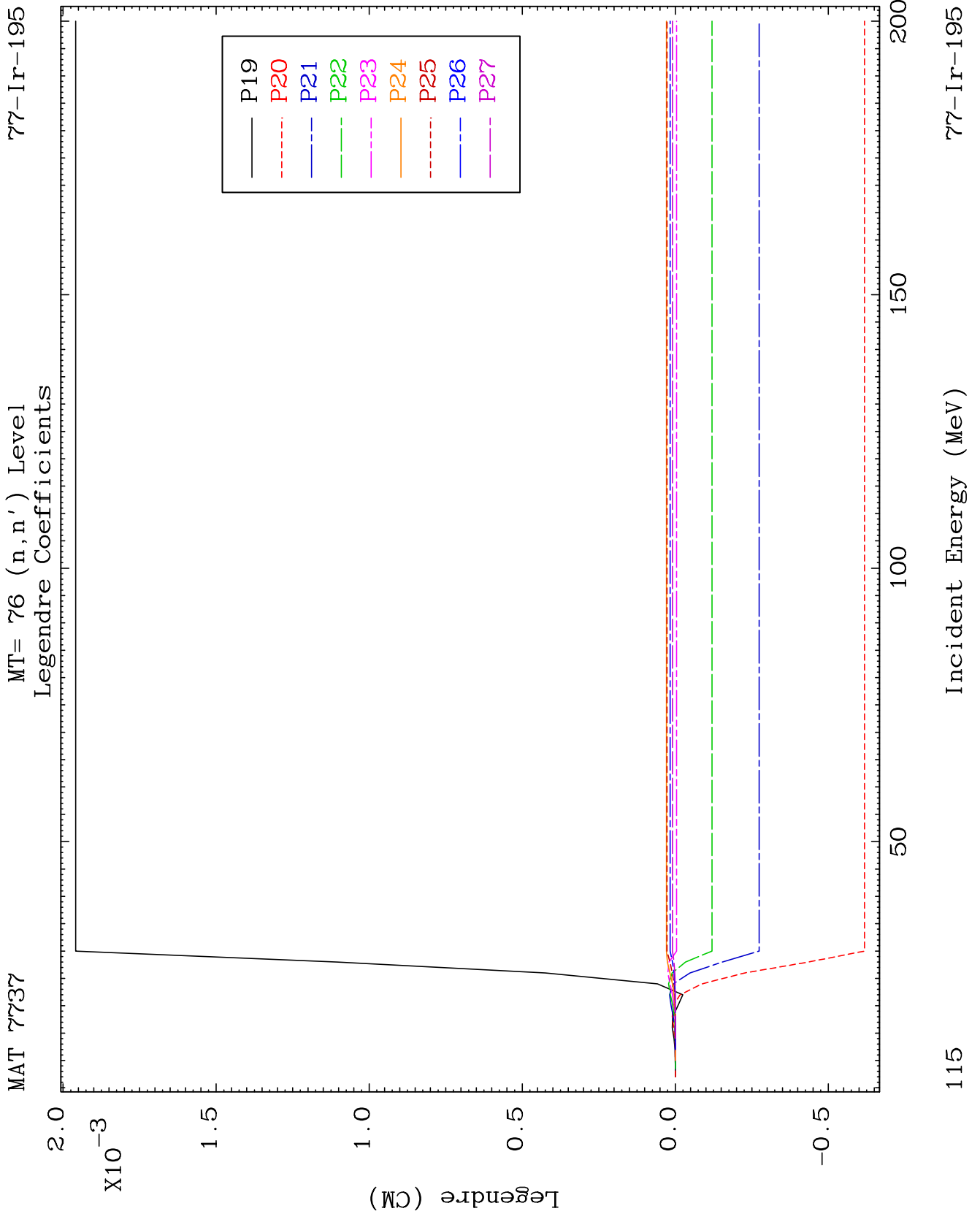


113

Incident Energy (MeV)

77-Ir-195

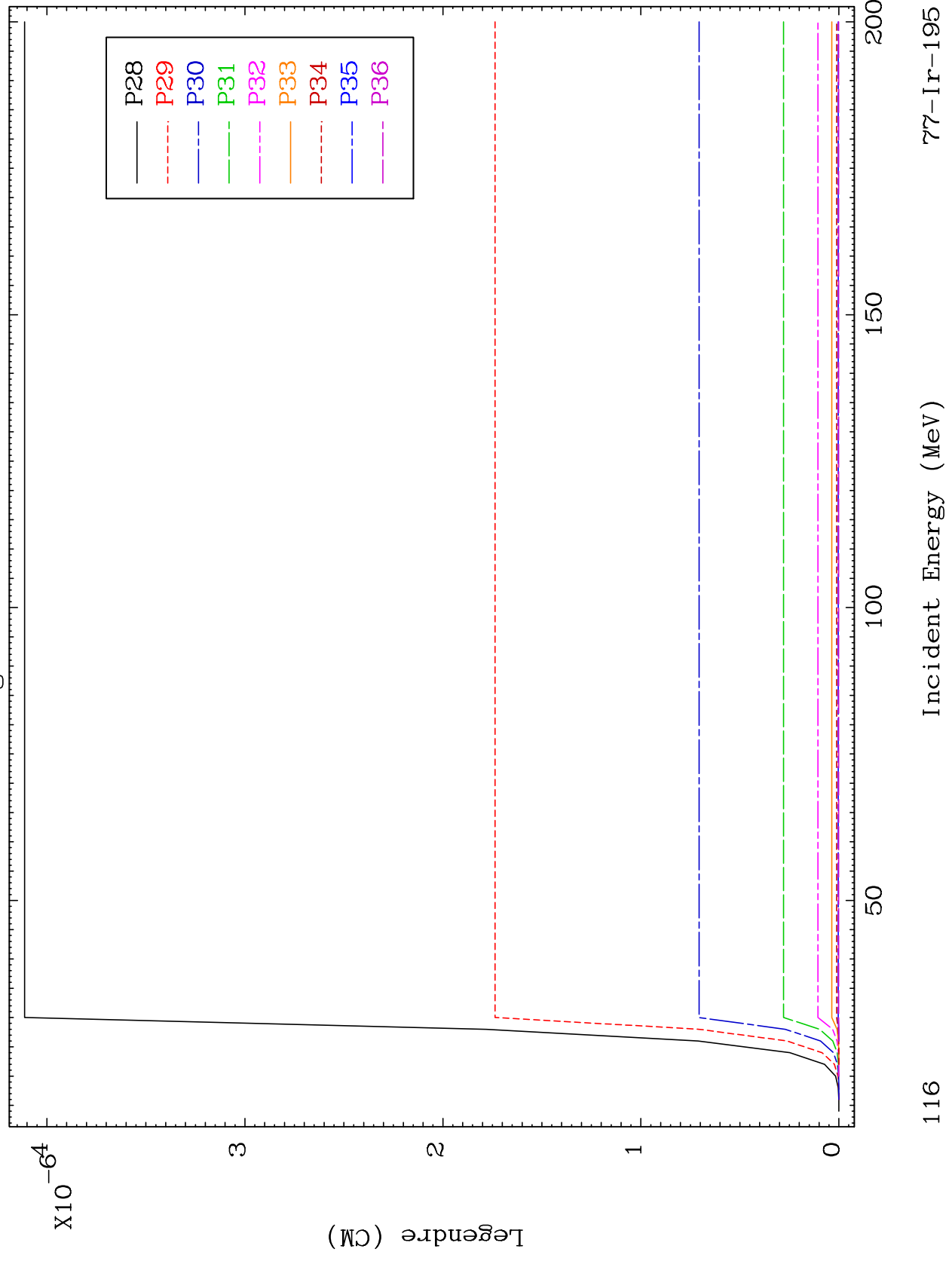




MAT 7737

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

77-Ir-195



116

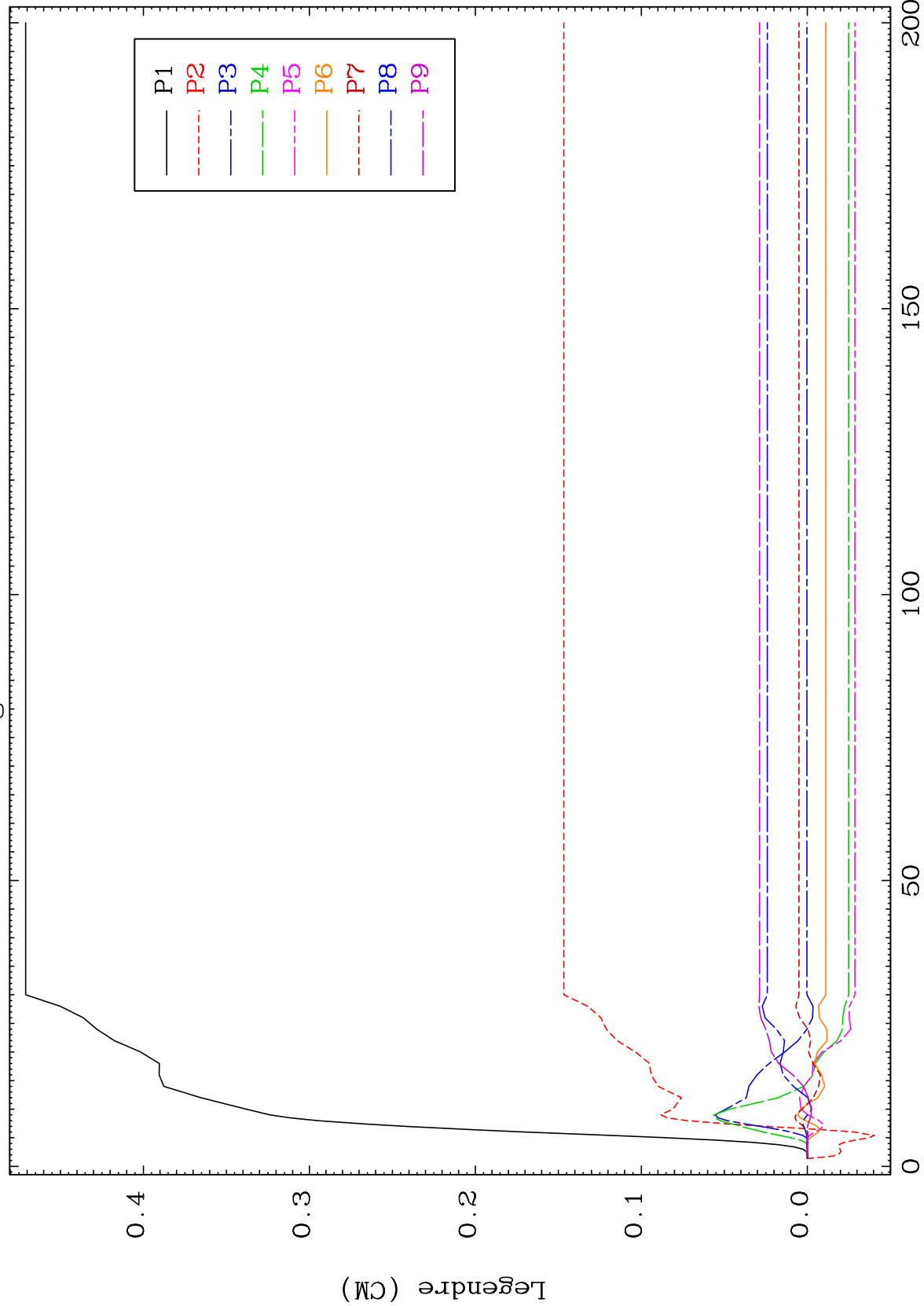
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

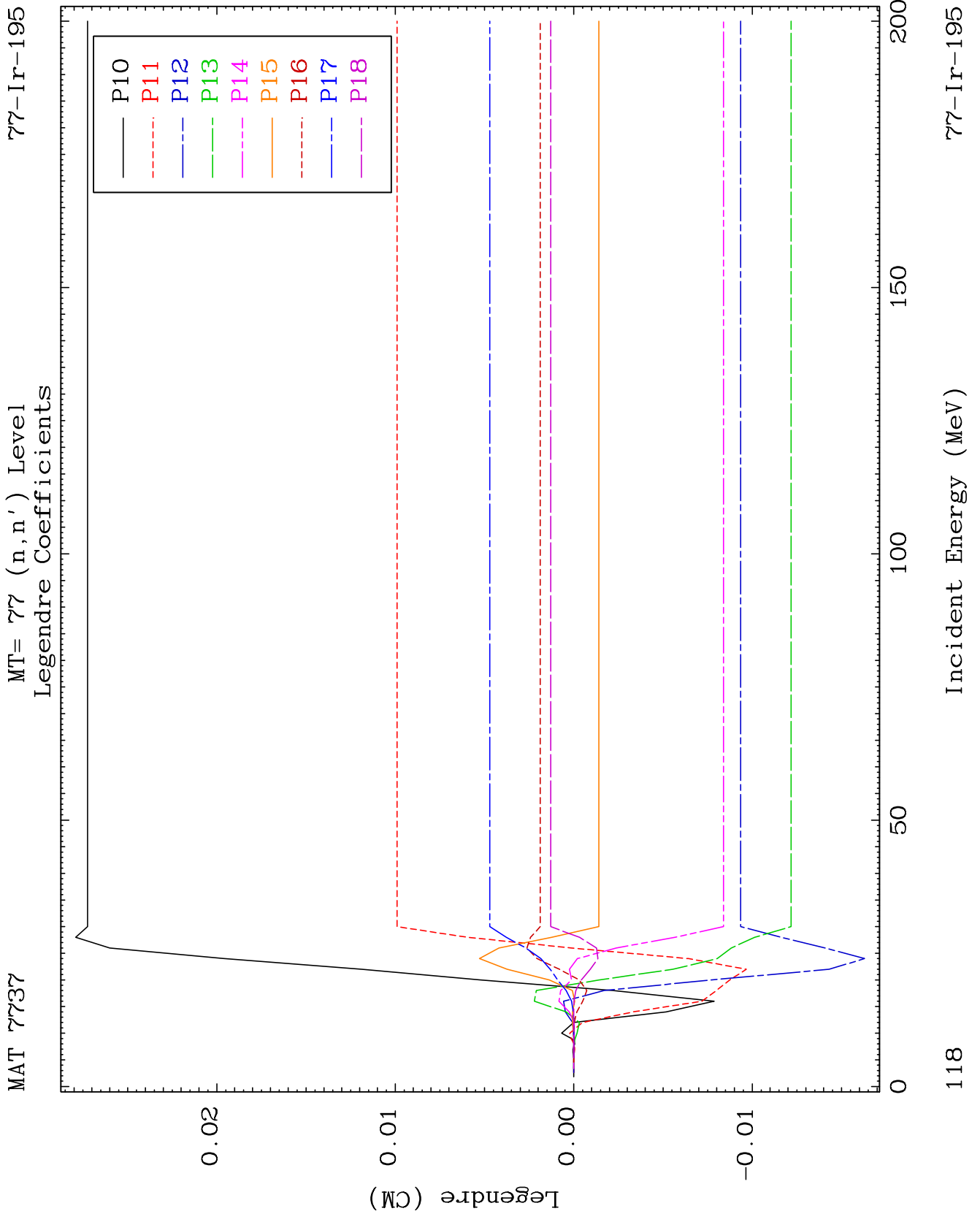
77-Ir-195



117

Incident Energy (MeV)

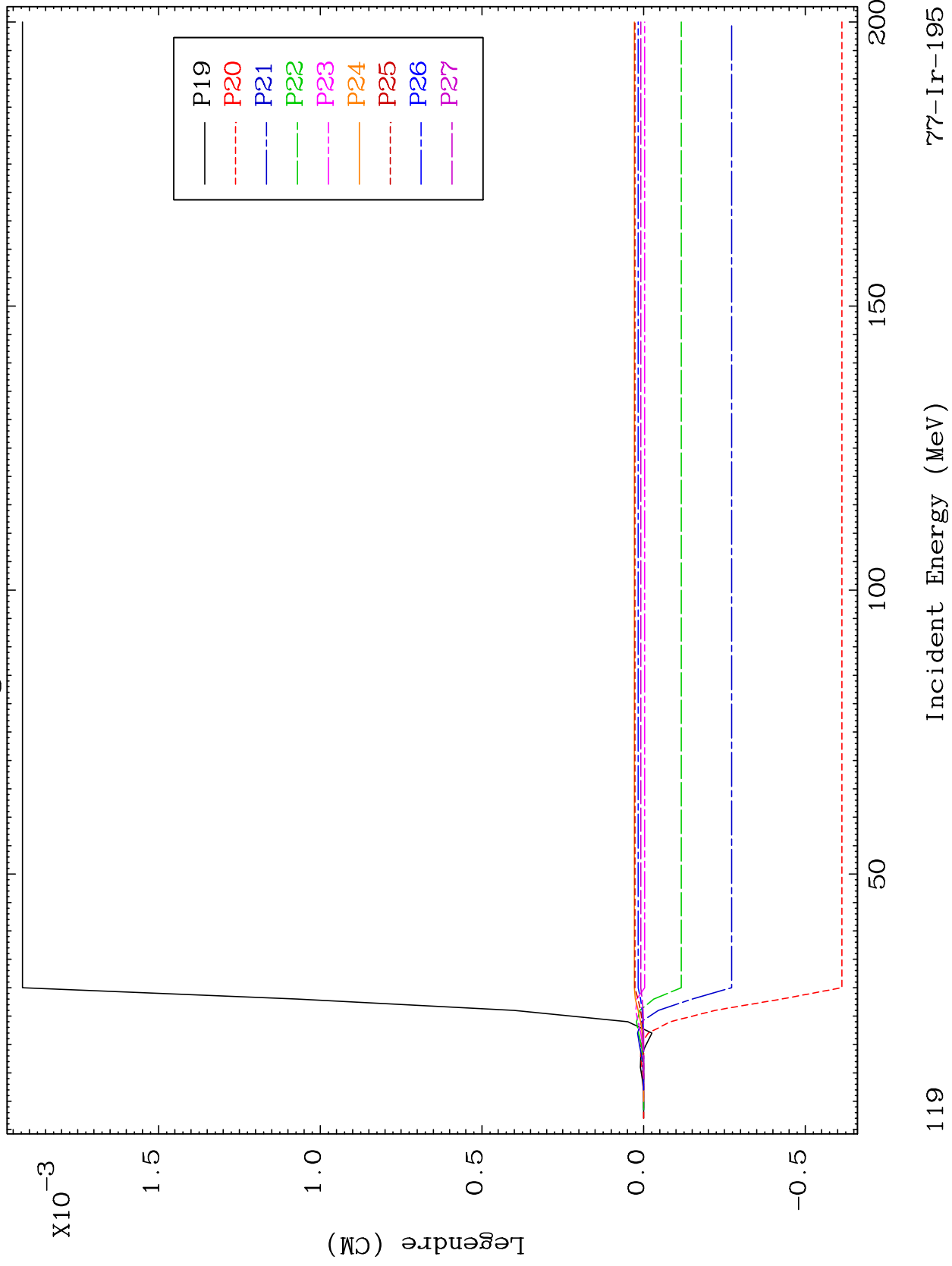
77-Ir-195



MAT 7737

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

77-Ir-195



119

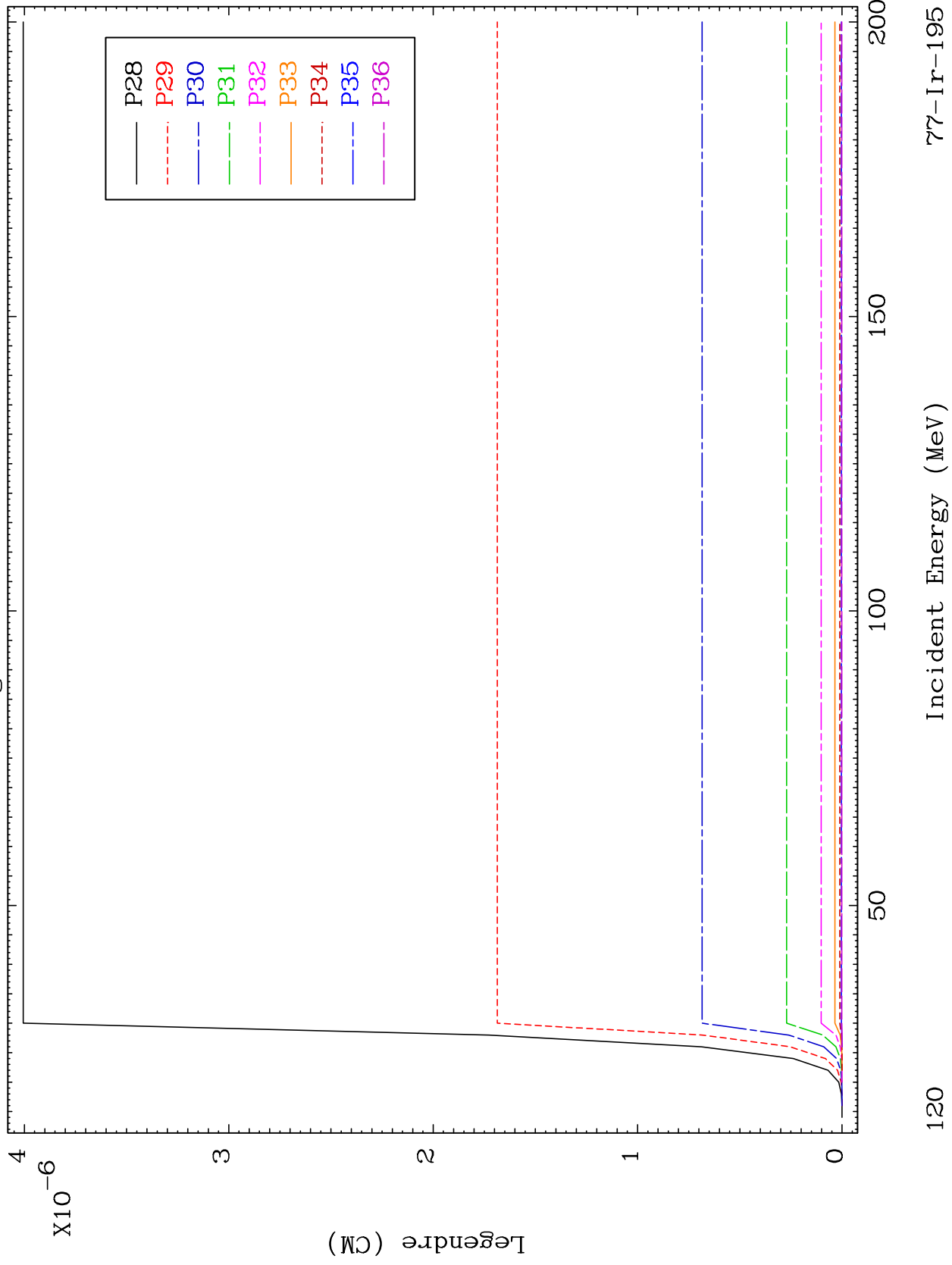
Incident Energy (MeV)

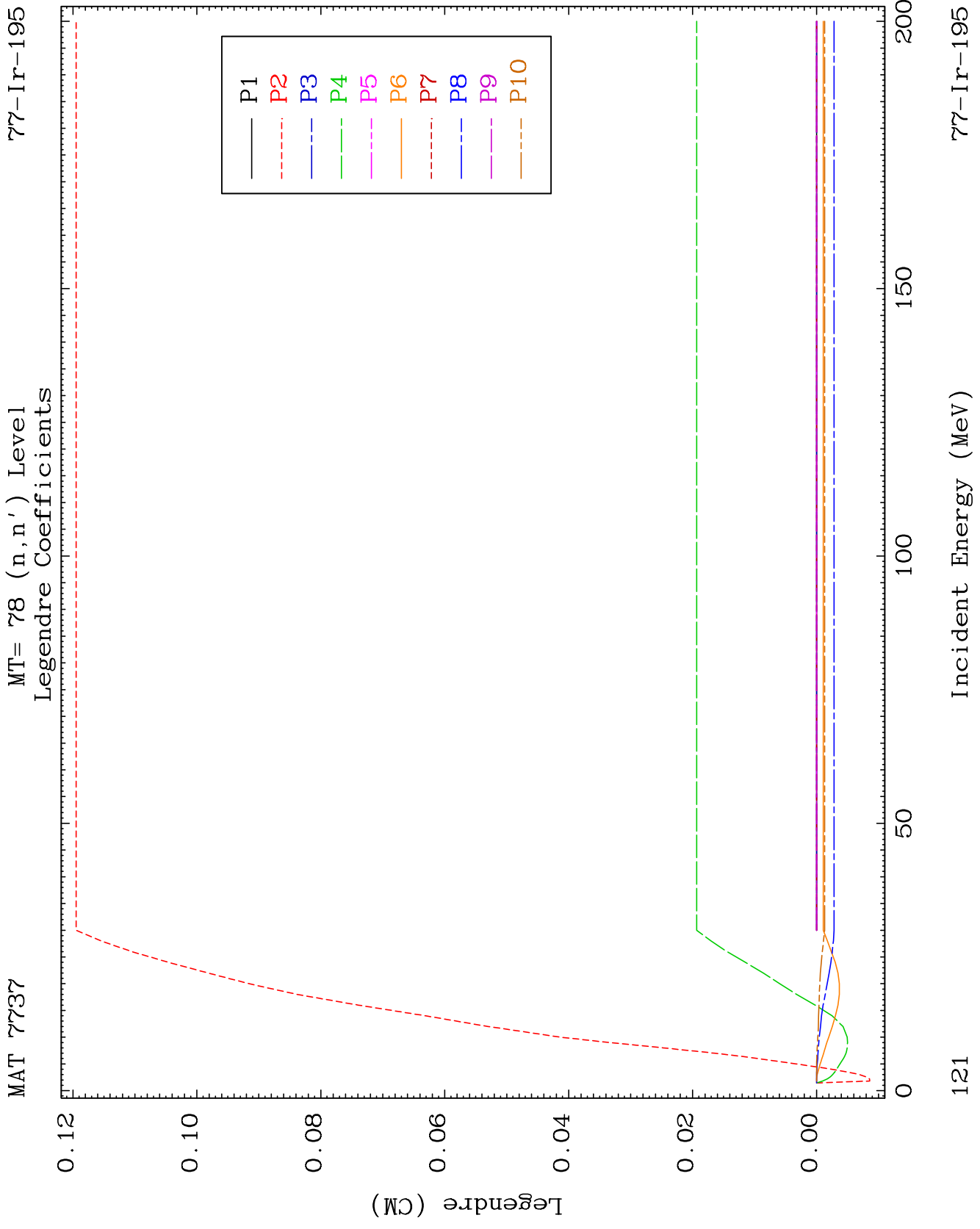
77-Ir-195

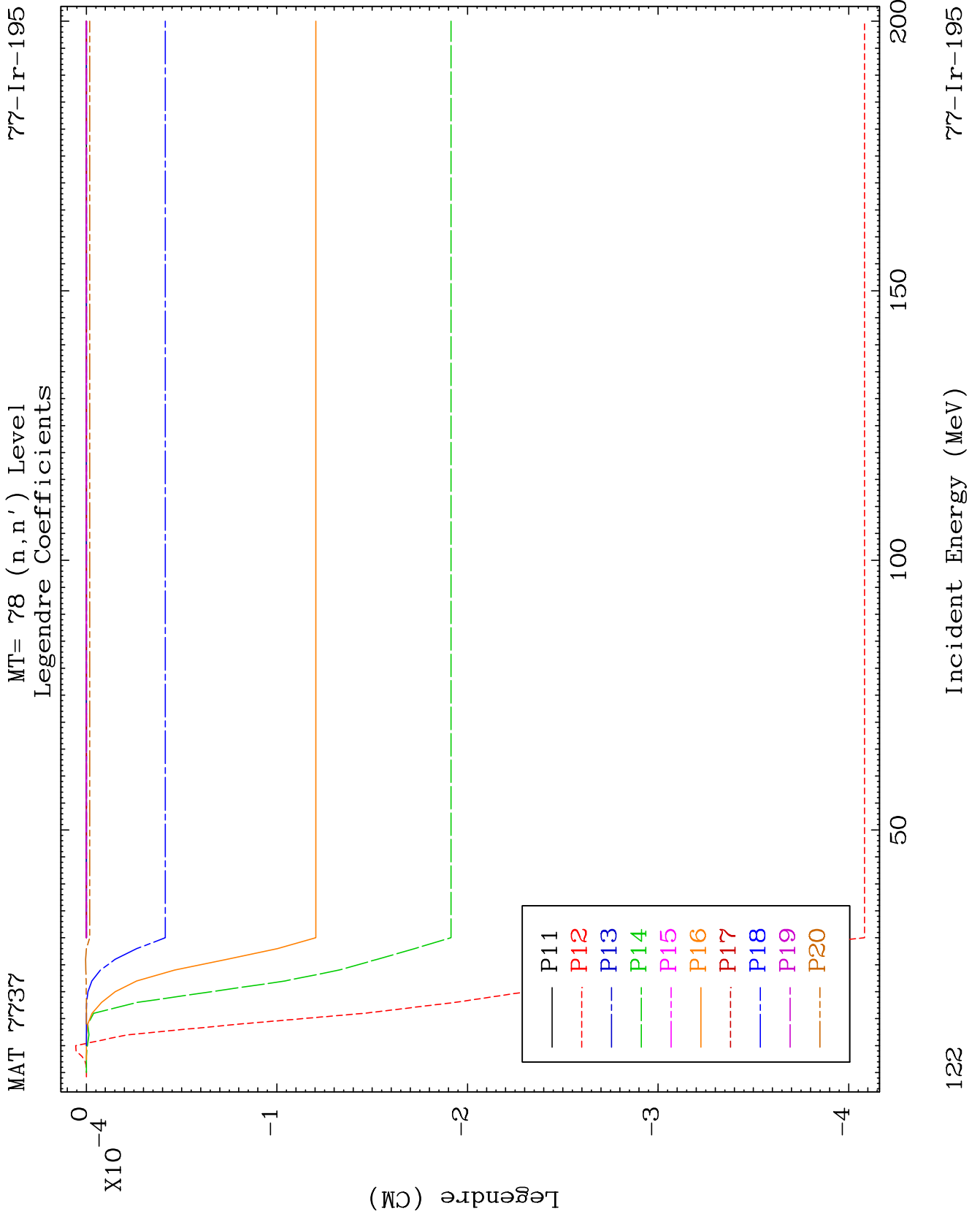
MAT 7737

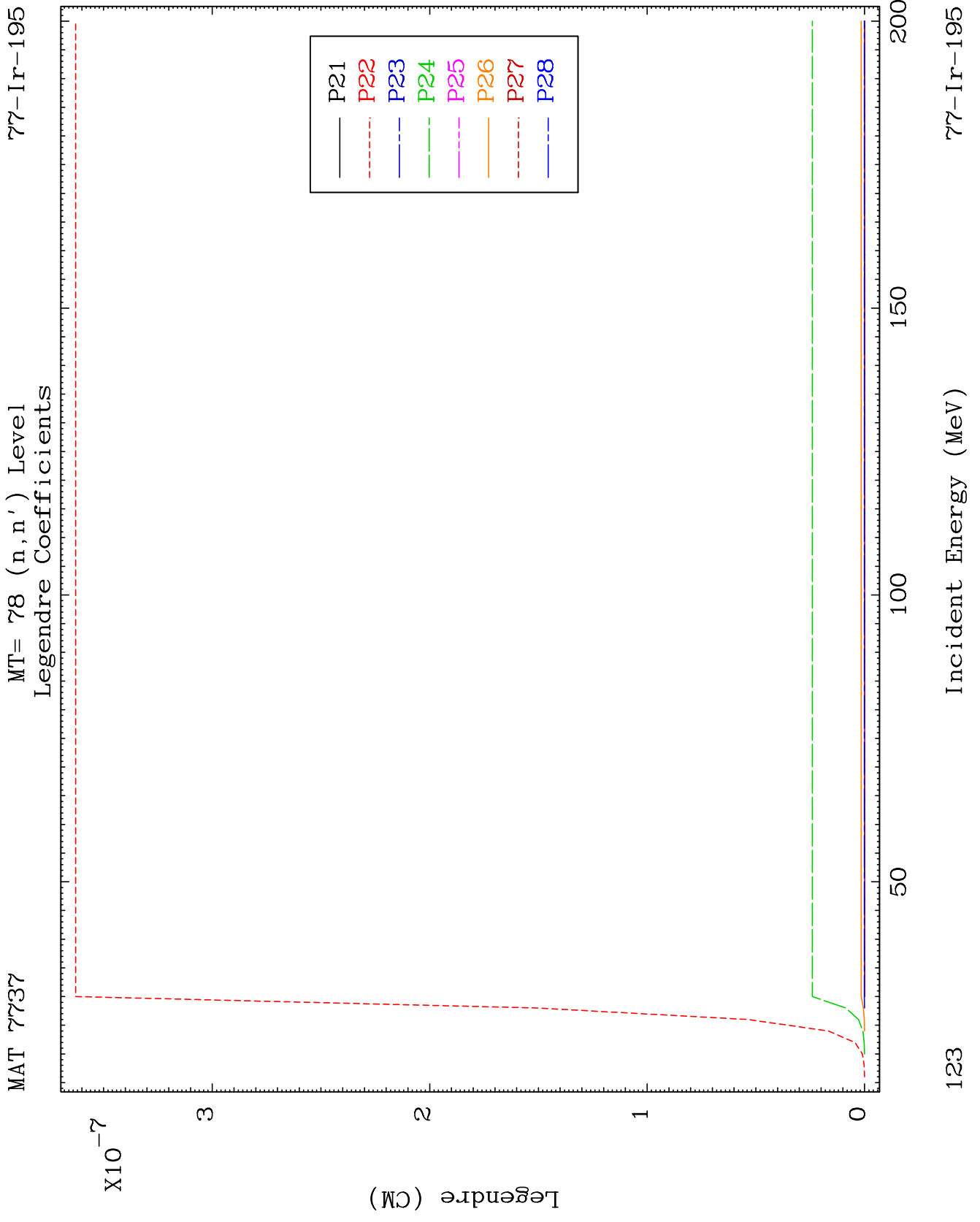
MT= 77 (n,n') Level
Legendre Coefficients

77-Ir-195





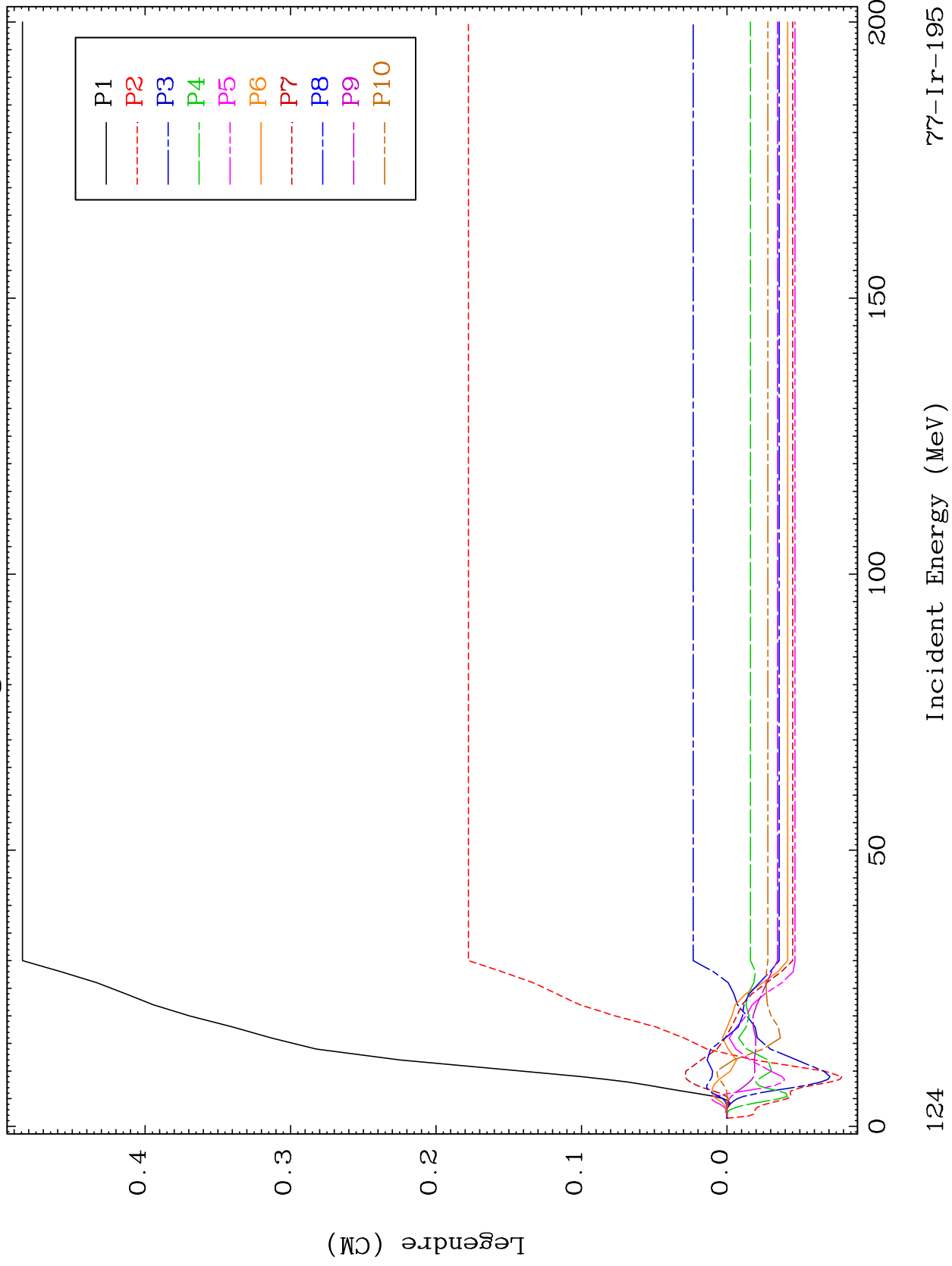




MAT 7737

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

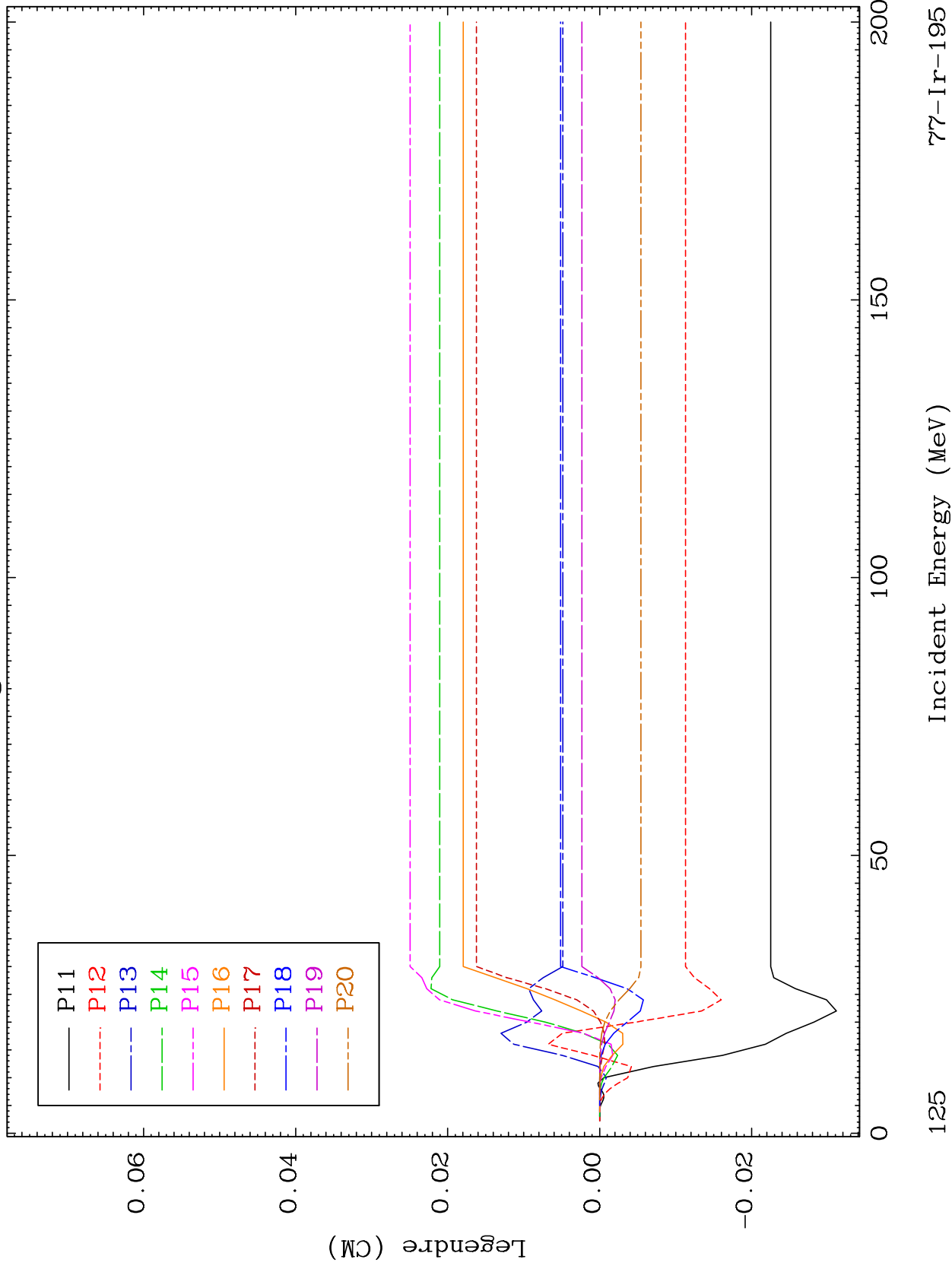
77-Ir-195



MAT 7737

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

77-Ir-195



77-Ir-195

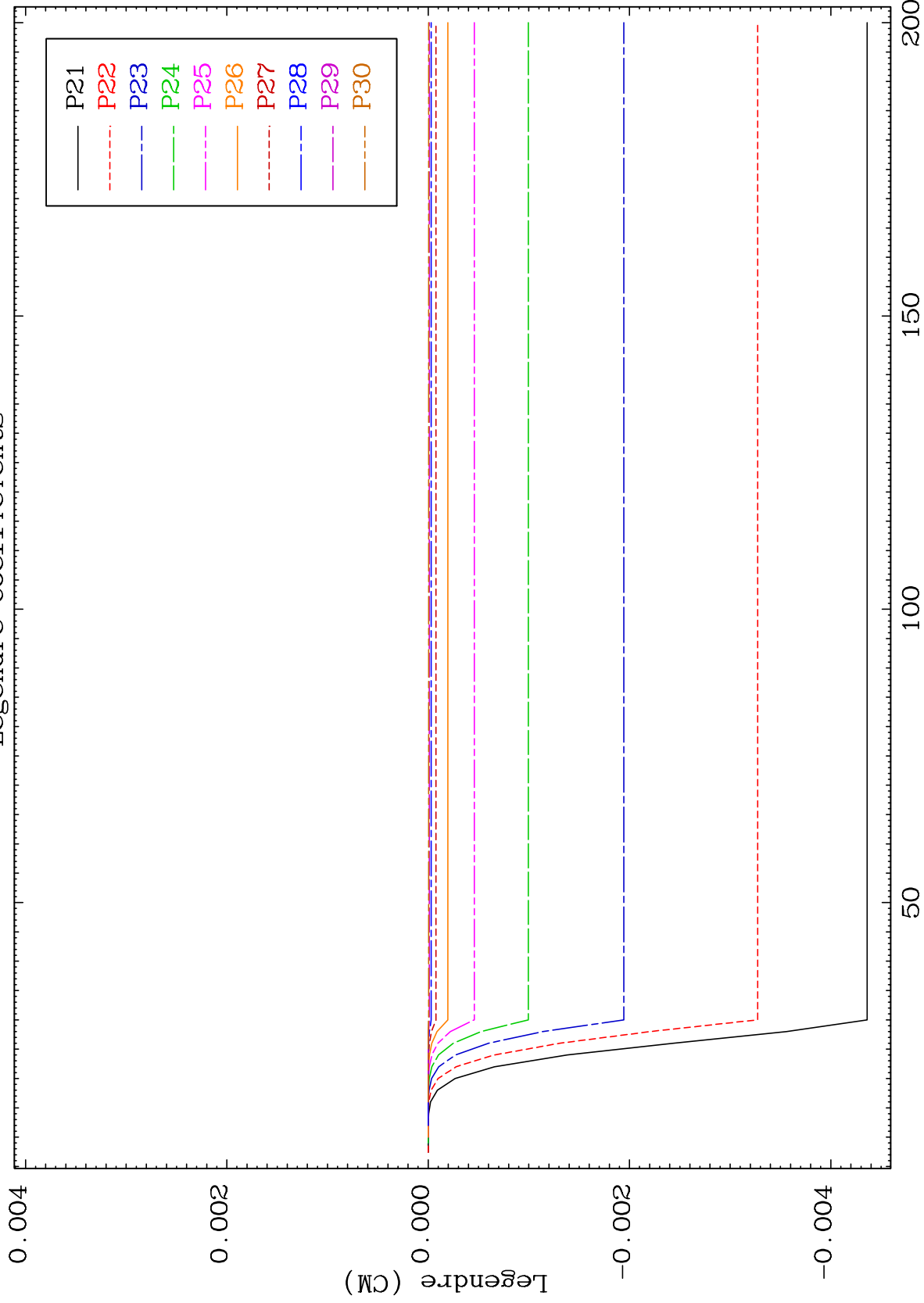
Incident Energy (MeV)

125

MAT 7737

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

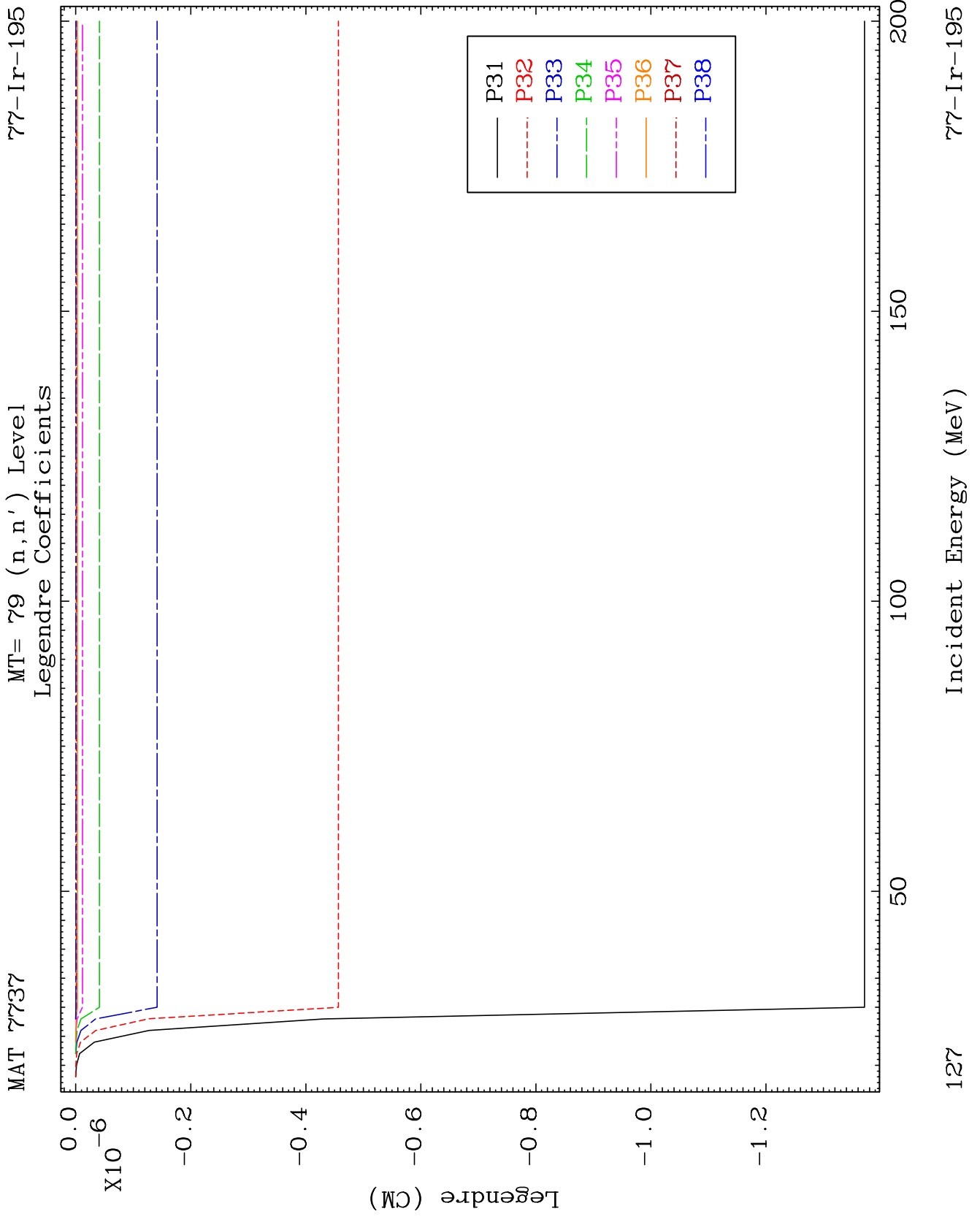
77-Ir-195



126

Incident Energy (MeV)

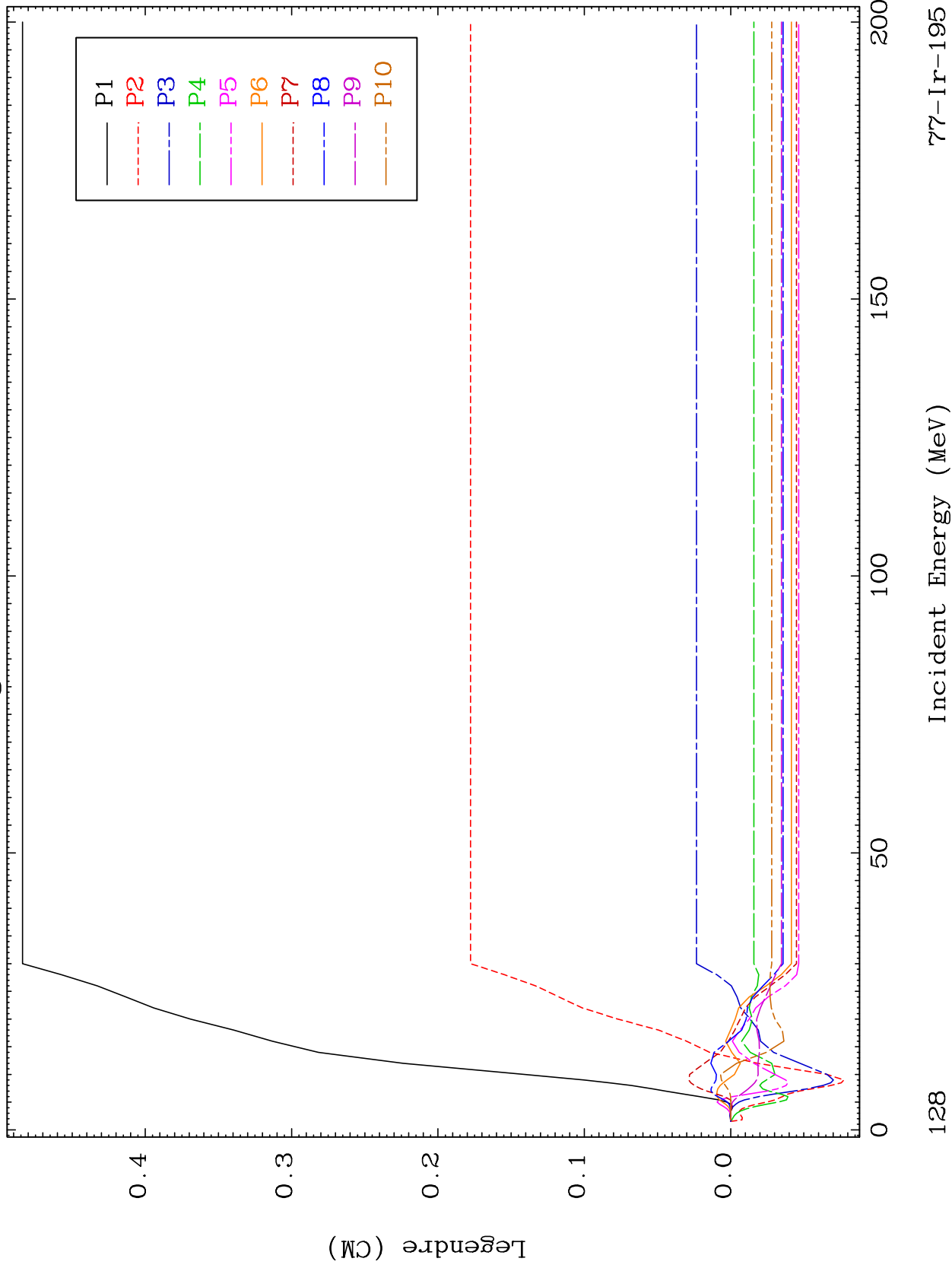
77-Ir-195



MAT 7737

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

77-Ir-195



128

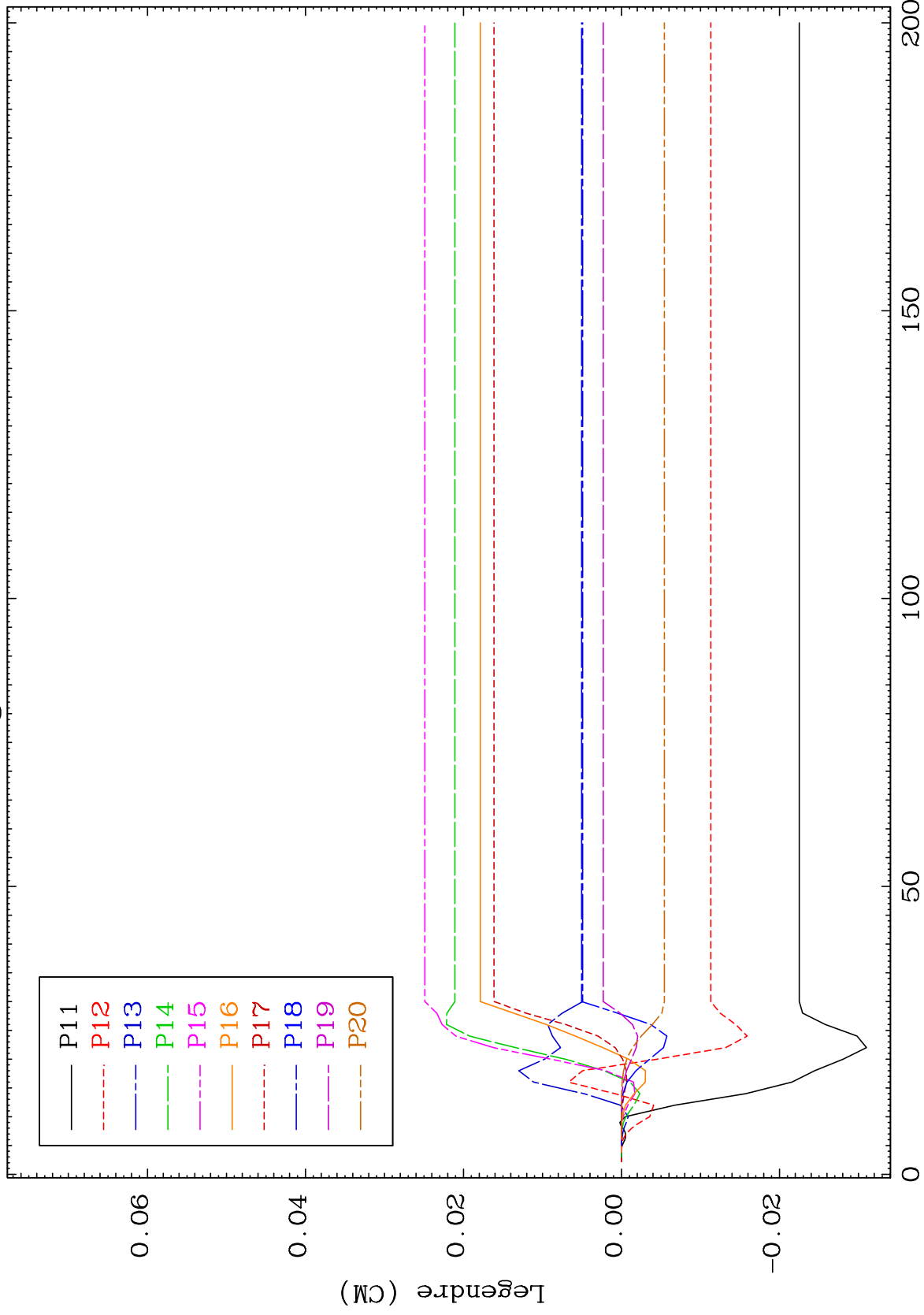
Incident Energy (MeV)

77-Ir-195

MAT 7737

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

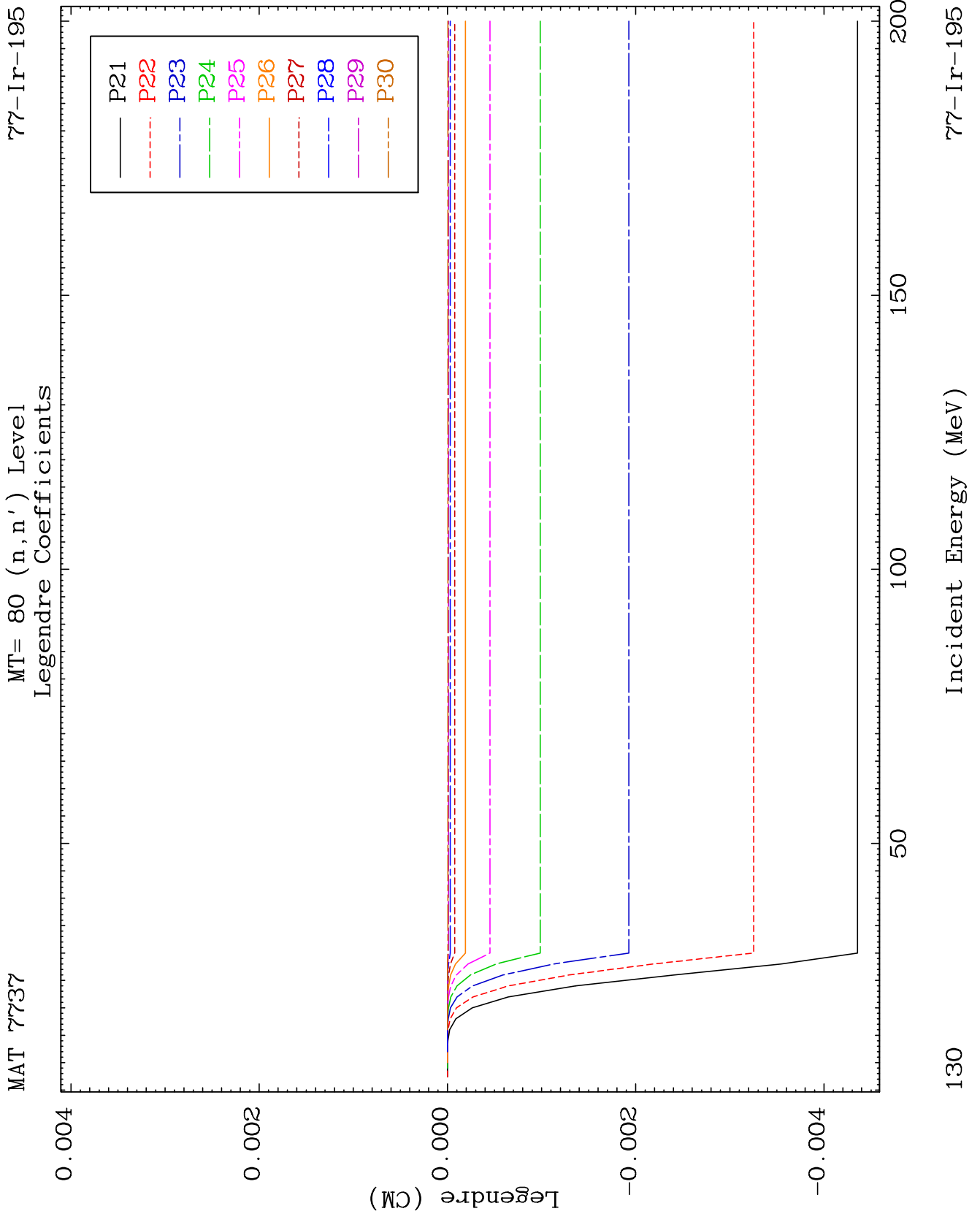
77-Ir-195

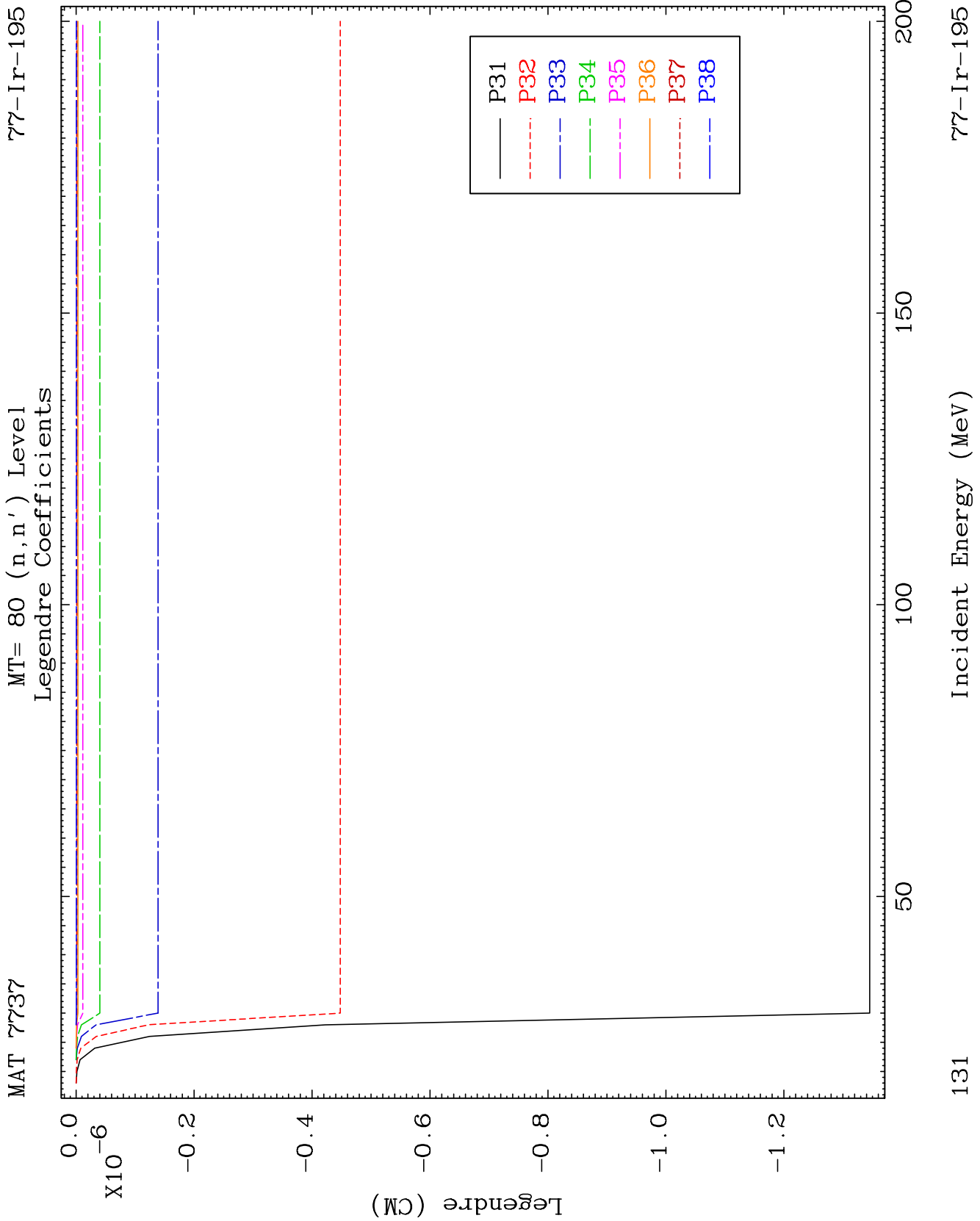


129

Incident Energy (MeV)

77-Ir-195

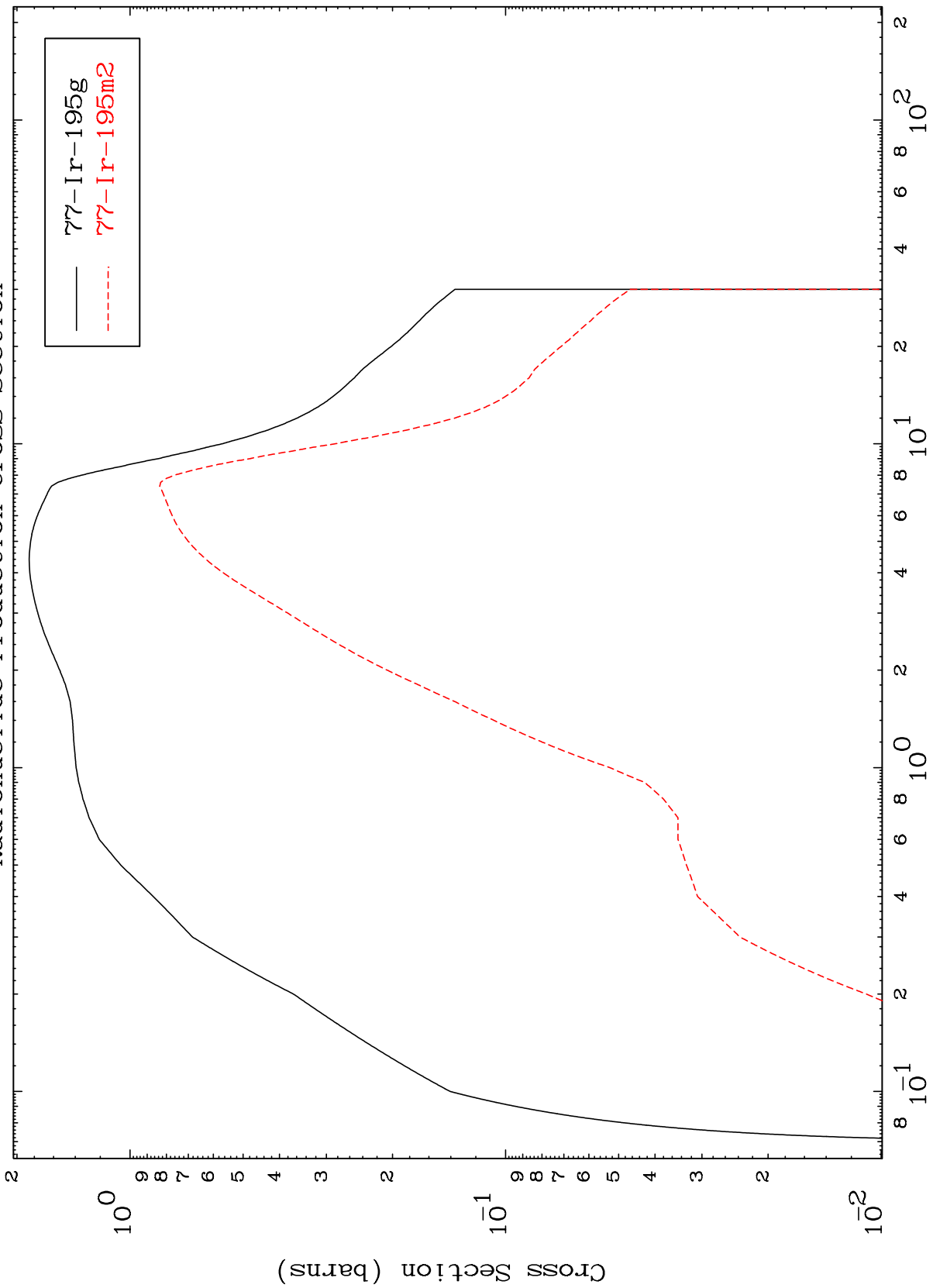




MAT 7737

77-Ir-195

Inelastic
Radionuclide Production Cross Section



77-Ir-195g
77-Ir-195m2

132

Incident Energy (MeV)

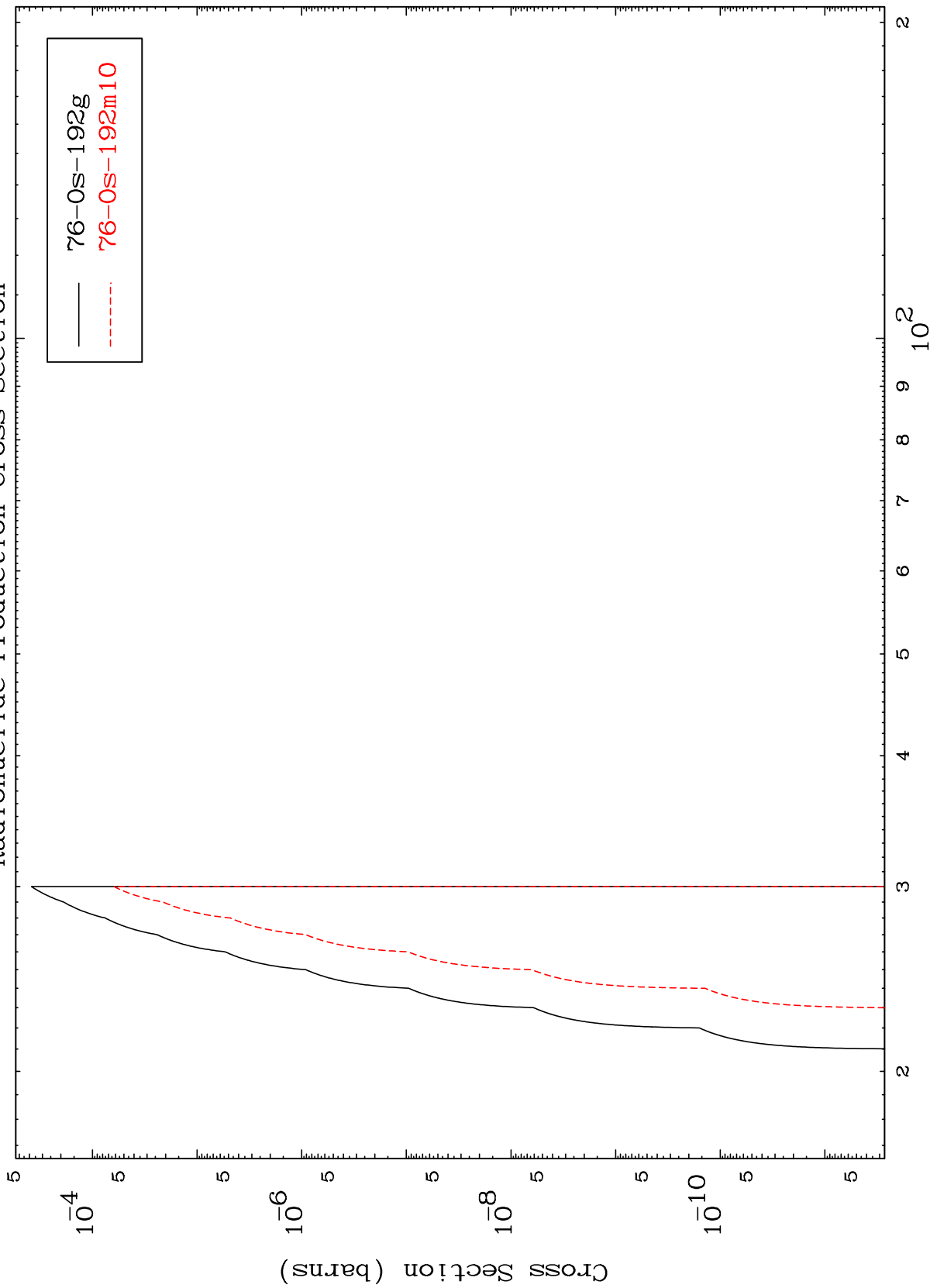
77-Ir-195

MAT 7737

77-Ir-195

(n,2n) d

Radionuclide Production Cross Section



133

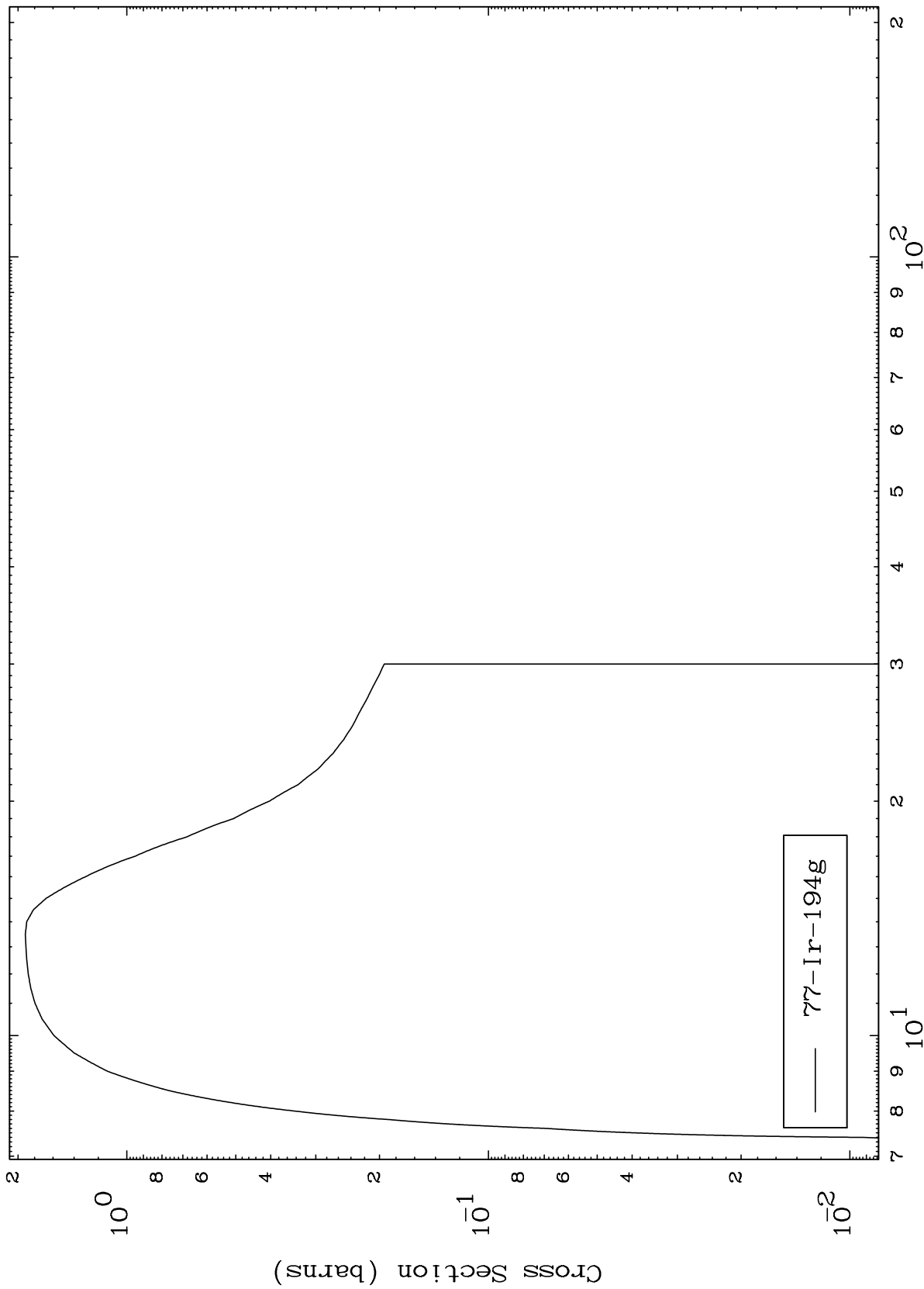
Incident Energy (MeV)

77-Ir-195

MAT 7737

77-Ir-195

(n,2n)
Radionuclide Production Cross Section



77-Ir-195

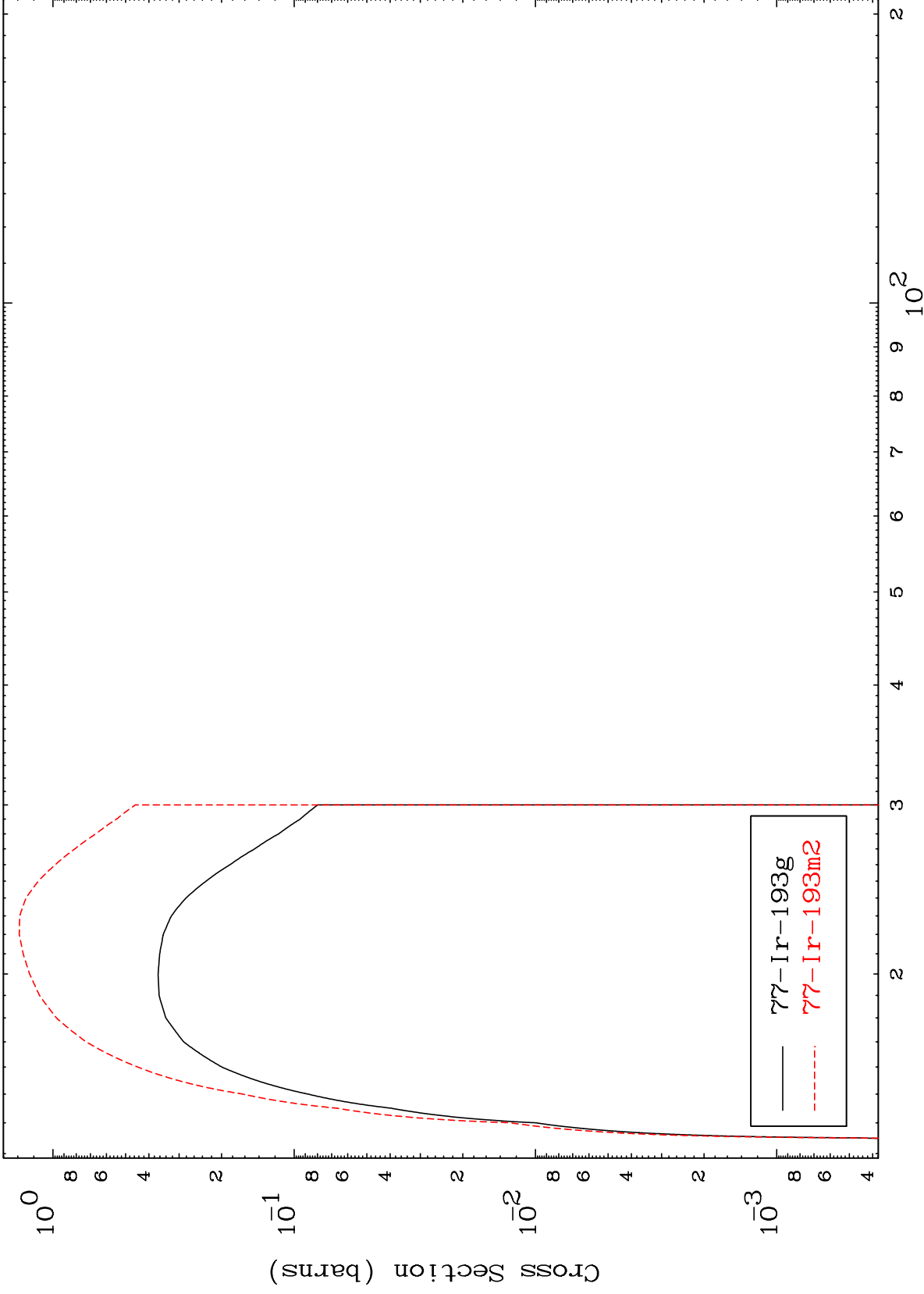
Incident Energy (MeV)

134

MAT 7737

77-Ir-195

(n,3n)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

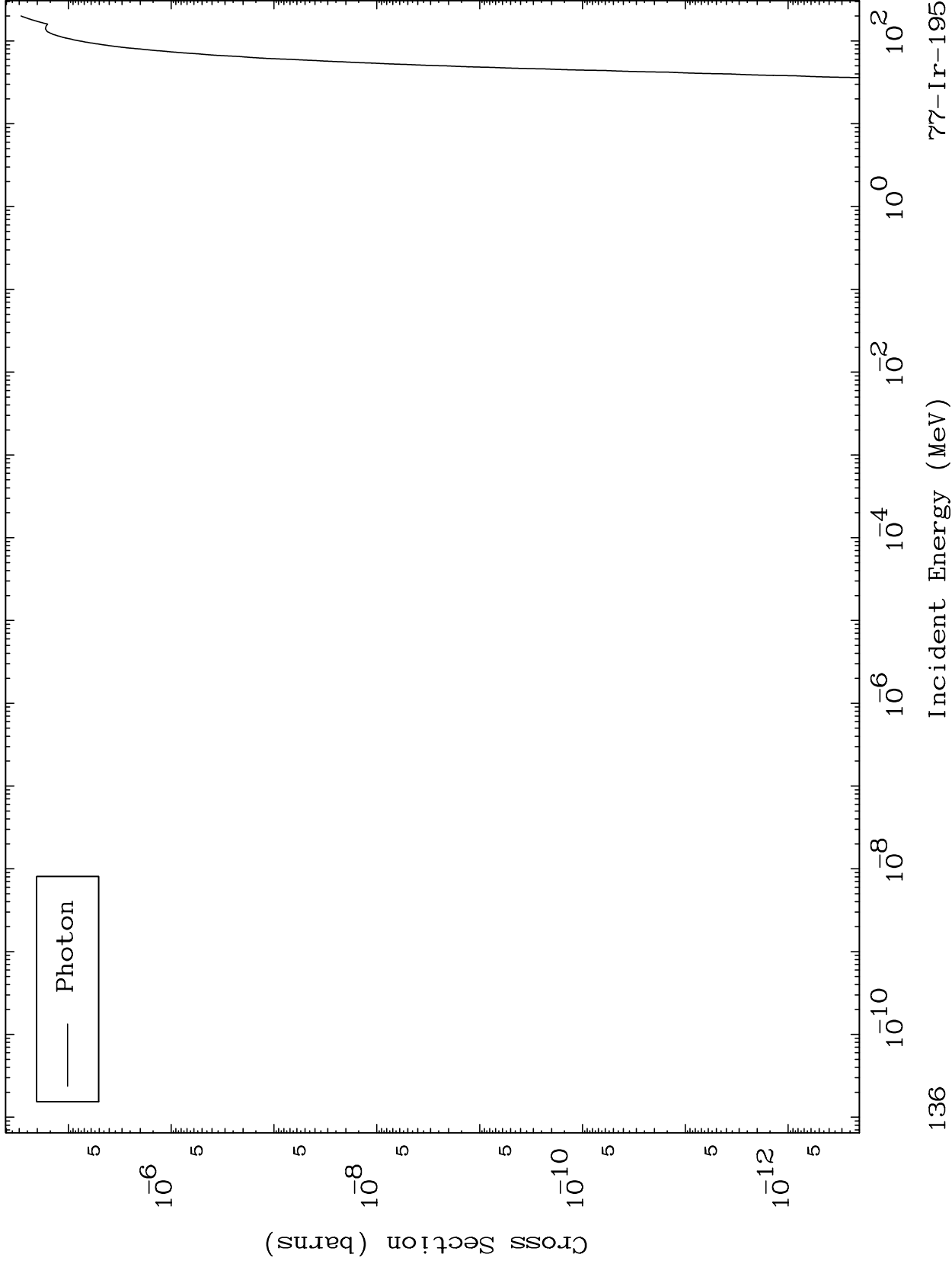
77-Ir-195

MAT 7737

Fission

⁷⁷Ir-195

Radionuclide Production Cross Section



136

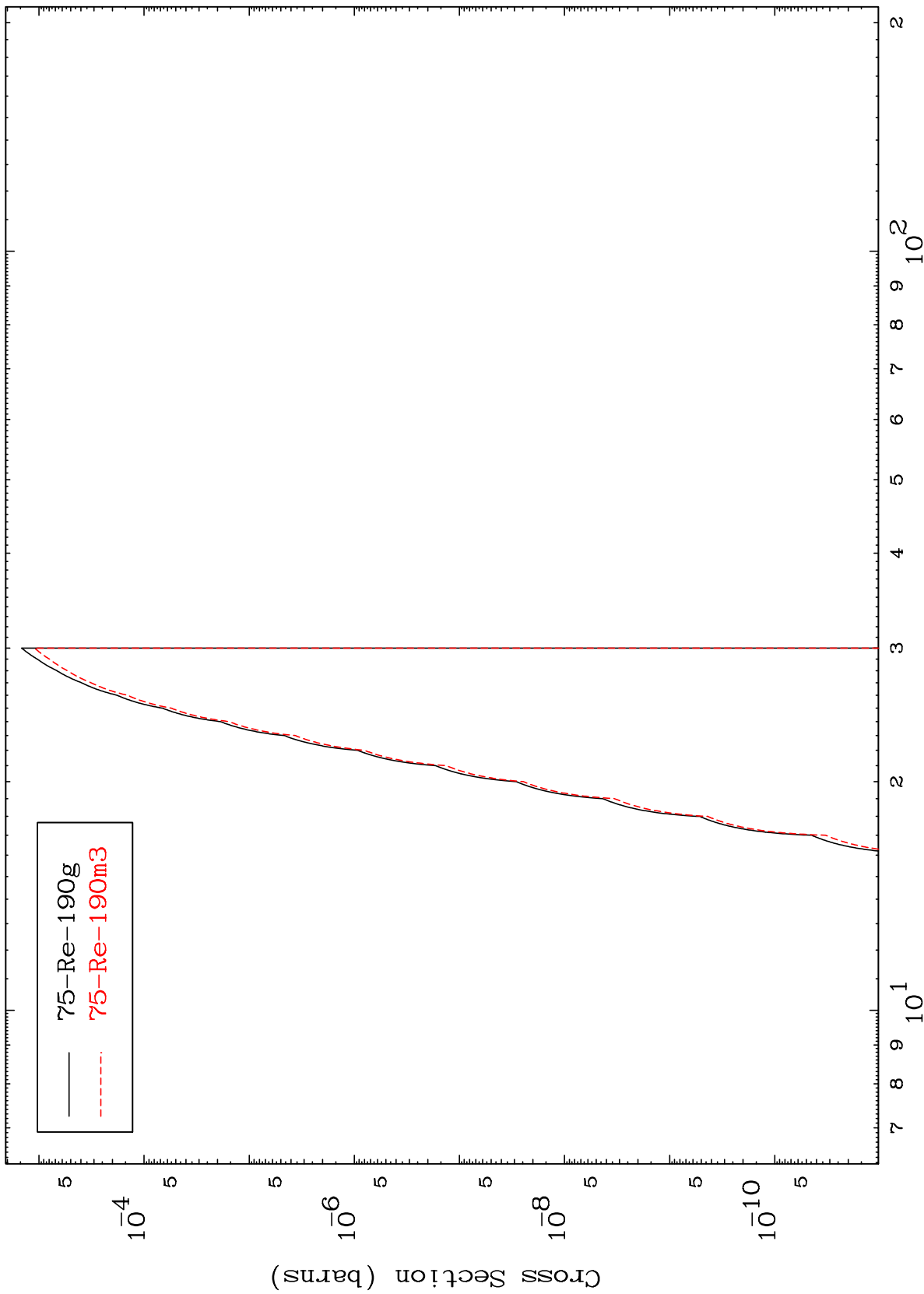
⁷⁷Ir-195

MAT 7737

77-Ir-195

(n,2n) α

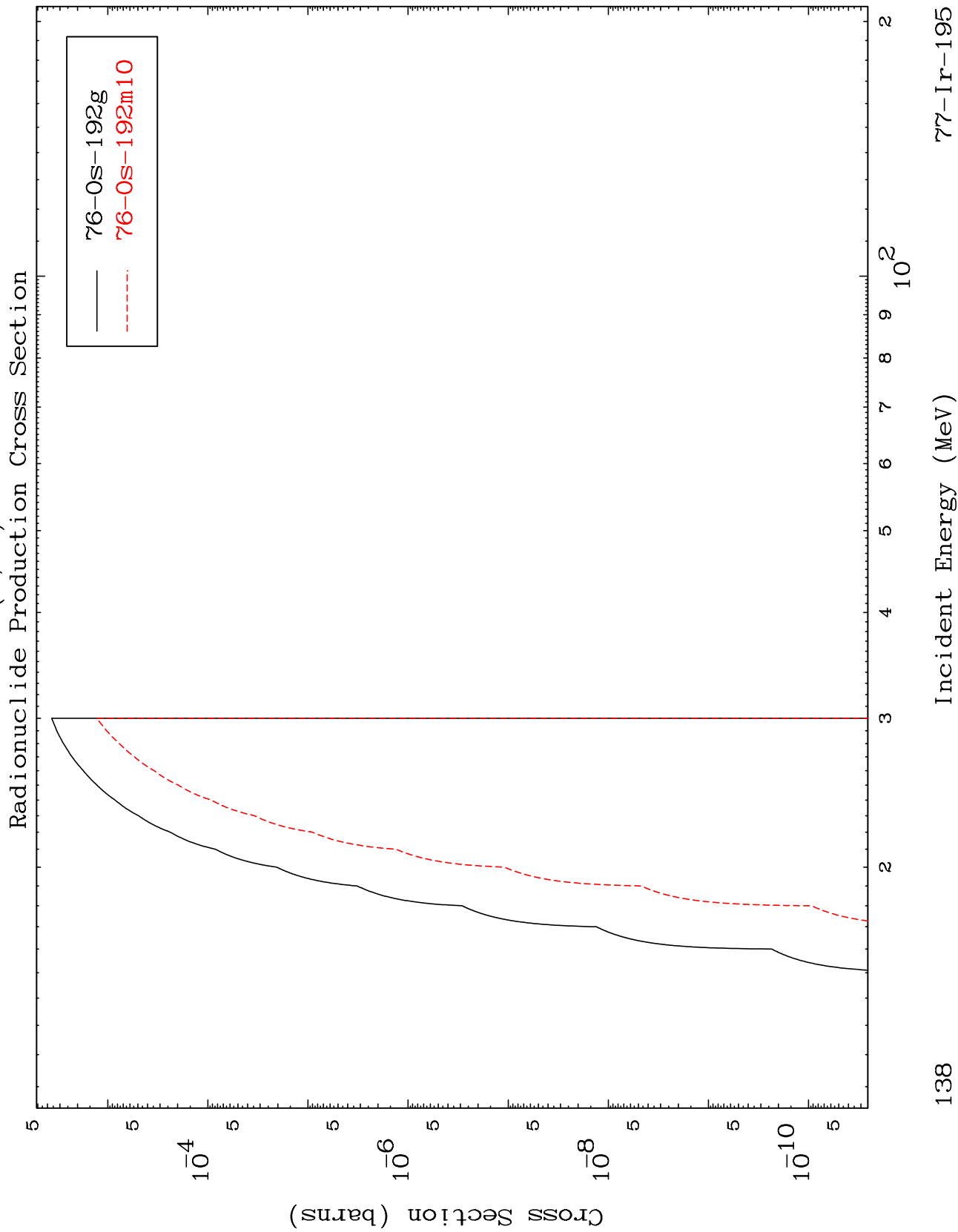
Radionuclide Production Cross Section



137

Incident Energy (MeV)

77-Ir-195

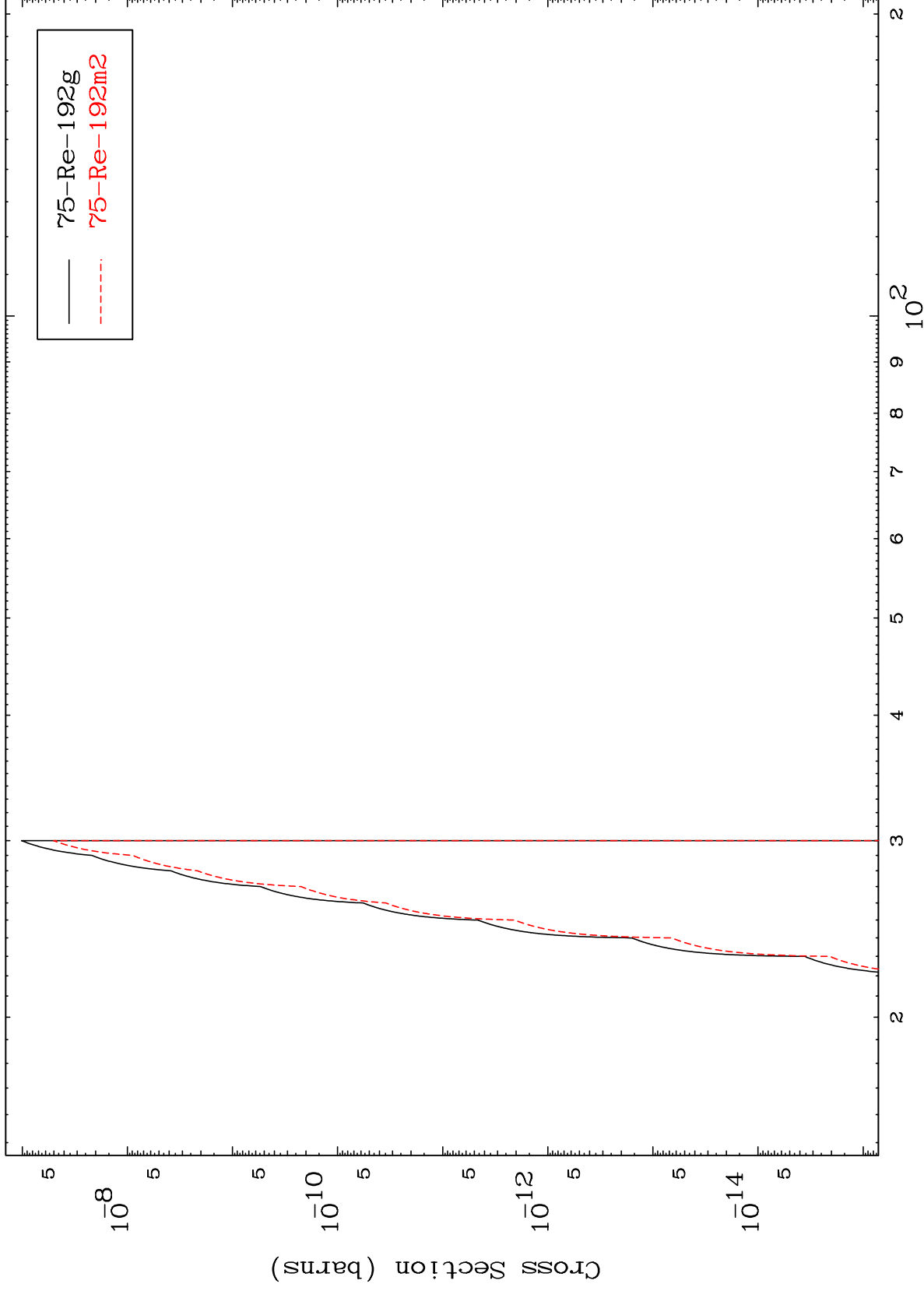


MAT 7737

(n,n') He-3

77-Ir-195

Radionuclide Production Cross Section



139

Incident Energy (MeV)

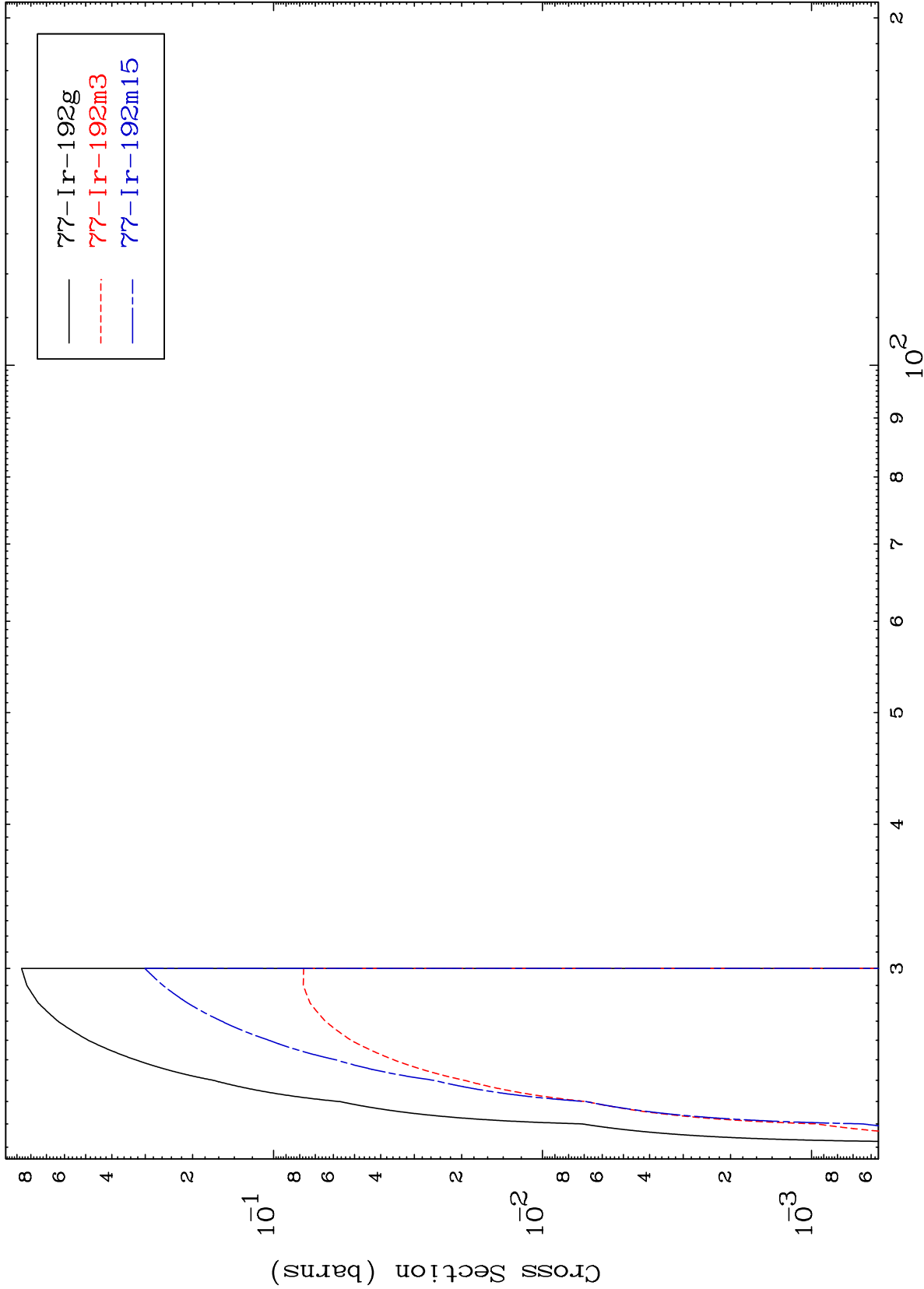
77-Ir-195

MAT 7737

(n,4n)

77-Ir-195

Radionuclide Production Cross Section



140

Incident Energy (MeV)

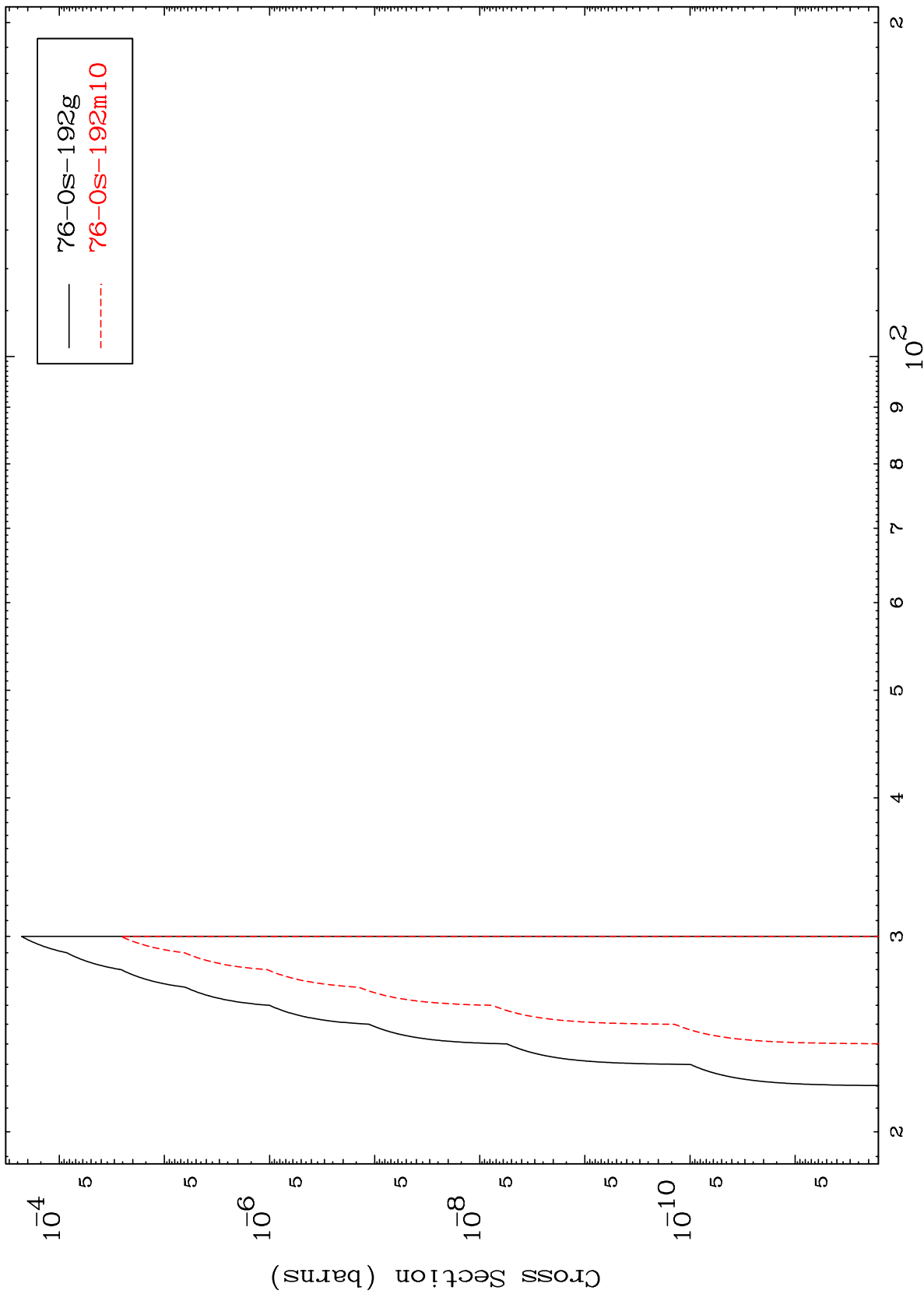
77-Ir-195

MAT 7737

(n,3n) p

77-Ir-195

Radionuclide Production Cross Section



141

Incident Energy (MeV)

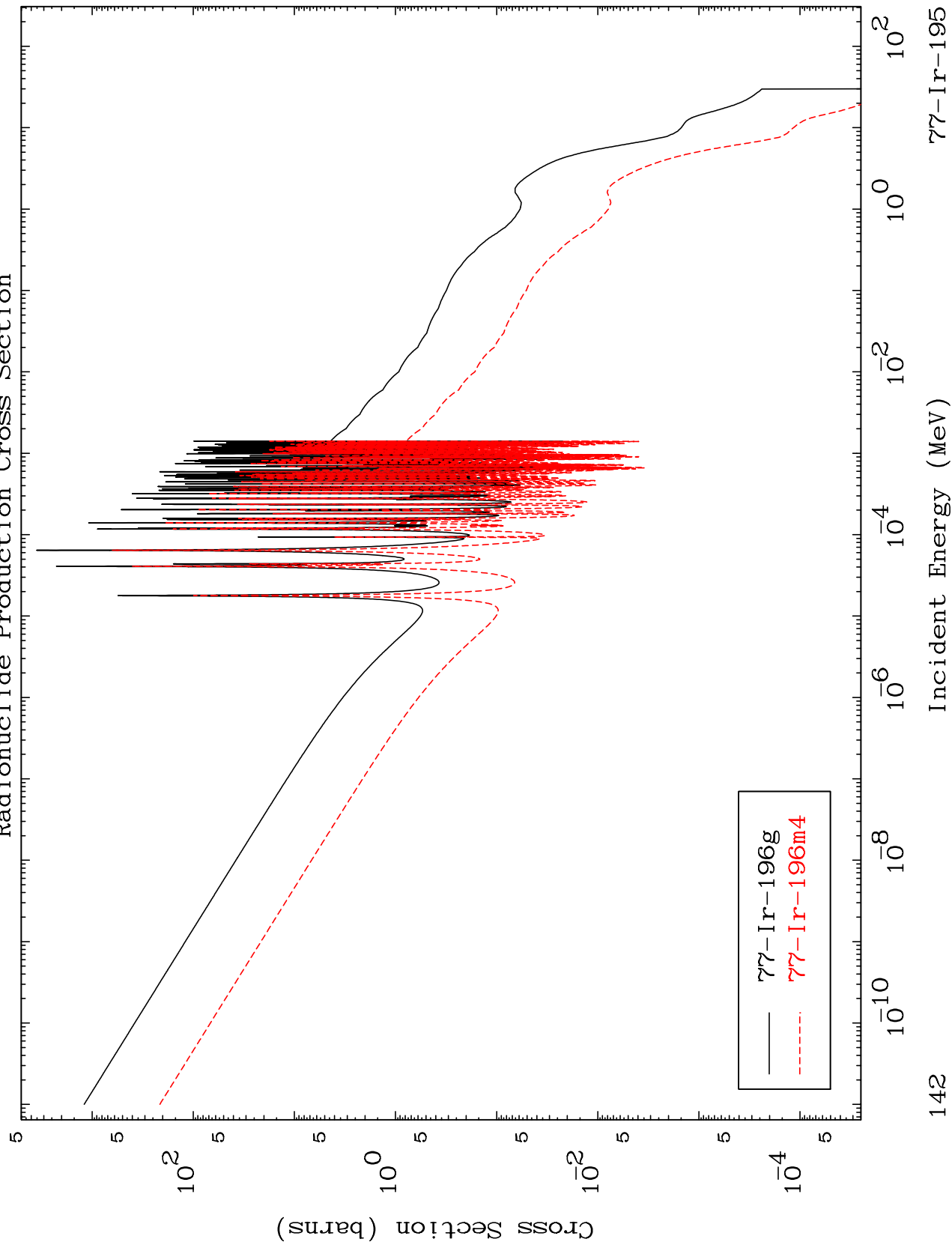
77-Ir-195

MAT 7737

77-Ir-195

Radionuclide Production Cross Section

(n, γ)



142

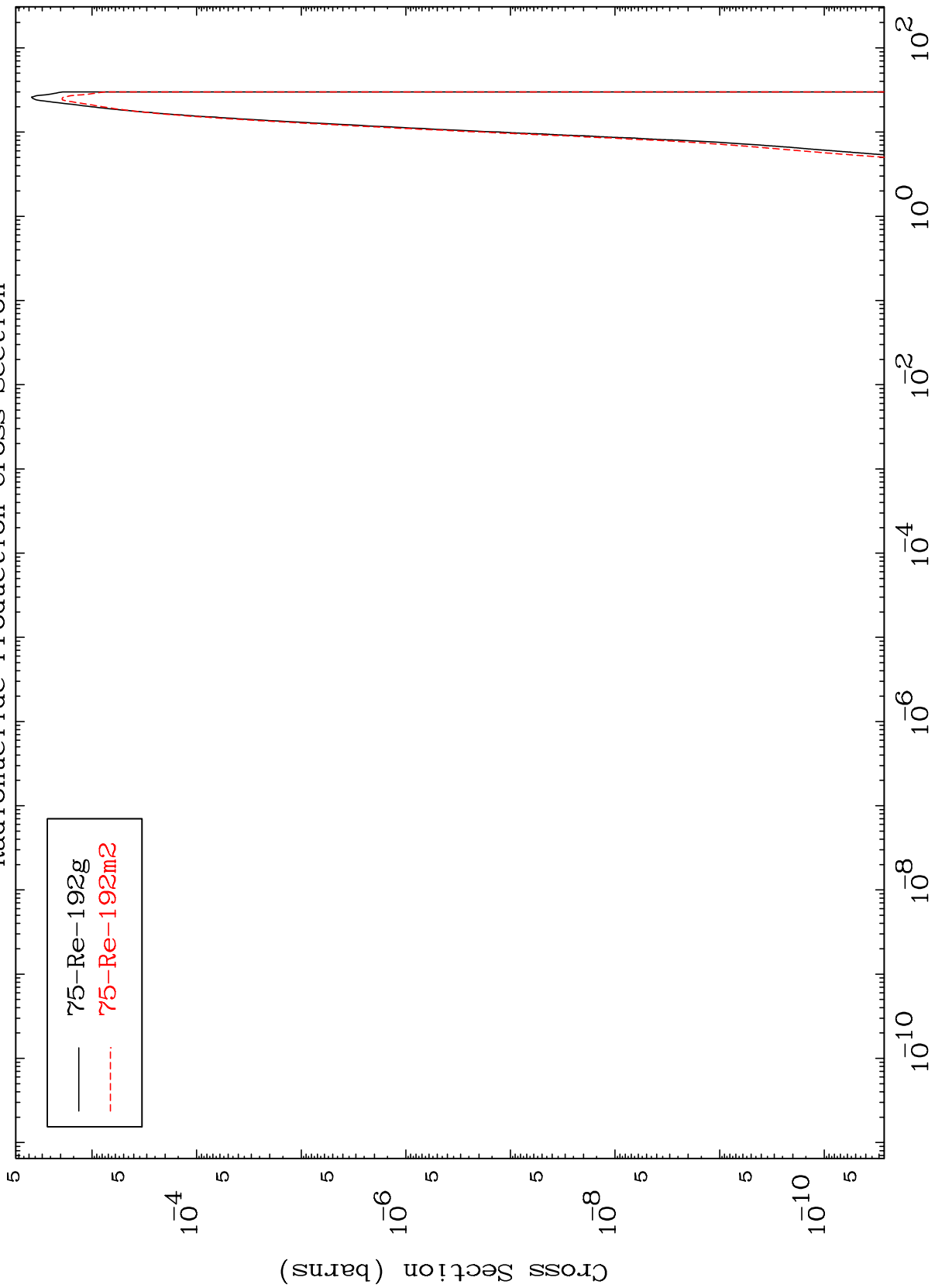
77-Ir-195

MAT 7737

(n, α)

⁷⁷Ir-195

Radionuclide Production Cross Section



75-Re-192g
75-Re-192m2

Incident Energy (MeV)

⁷⁷Ir-195

143