

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

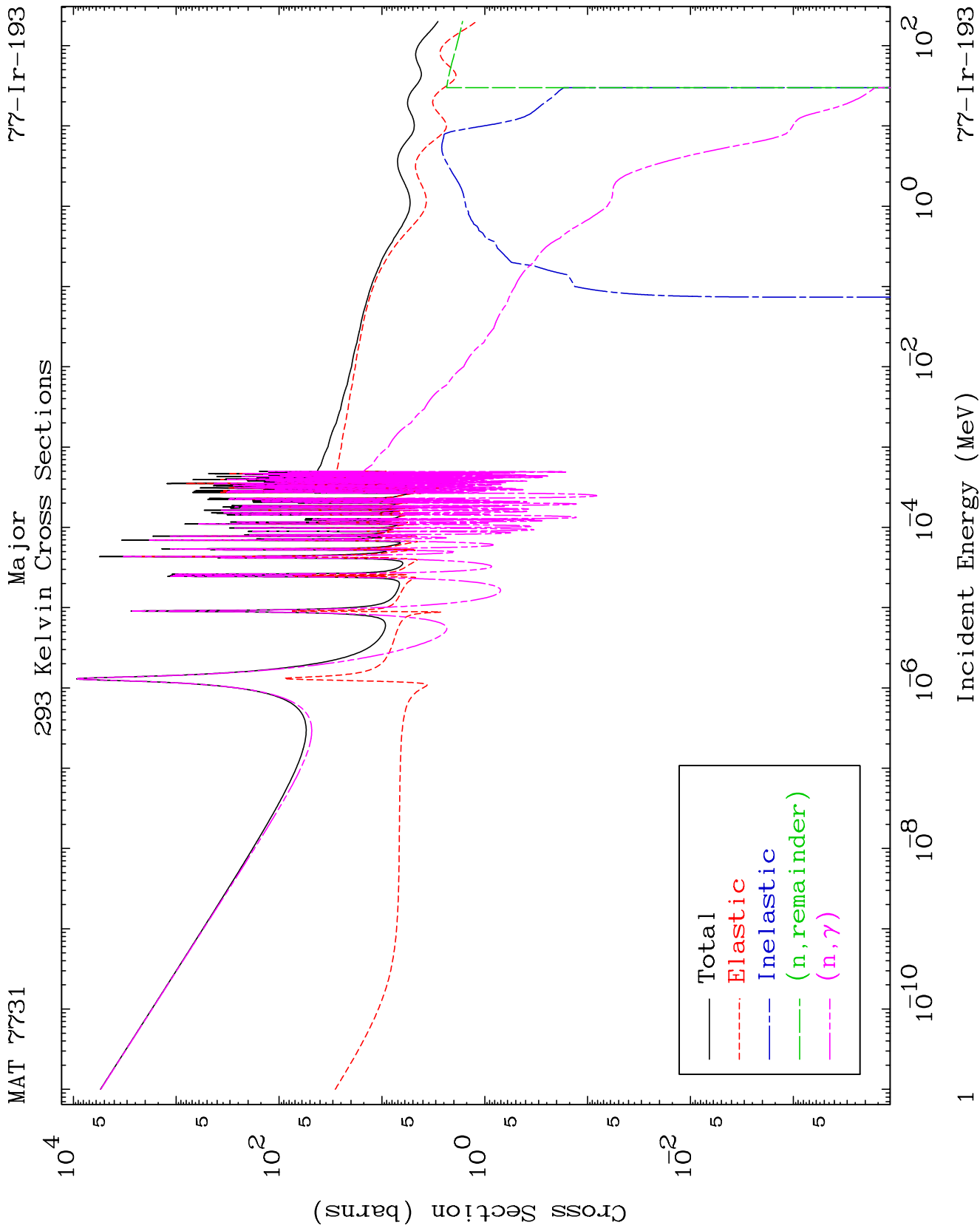
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

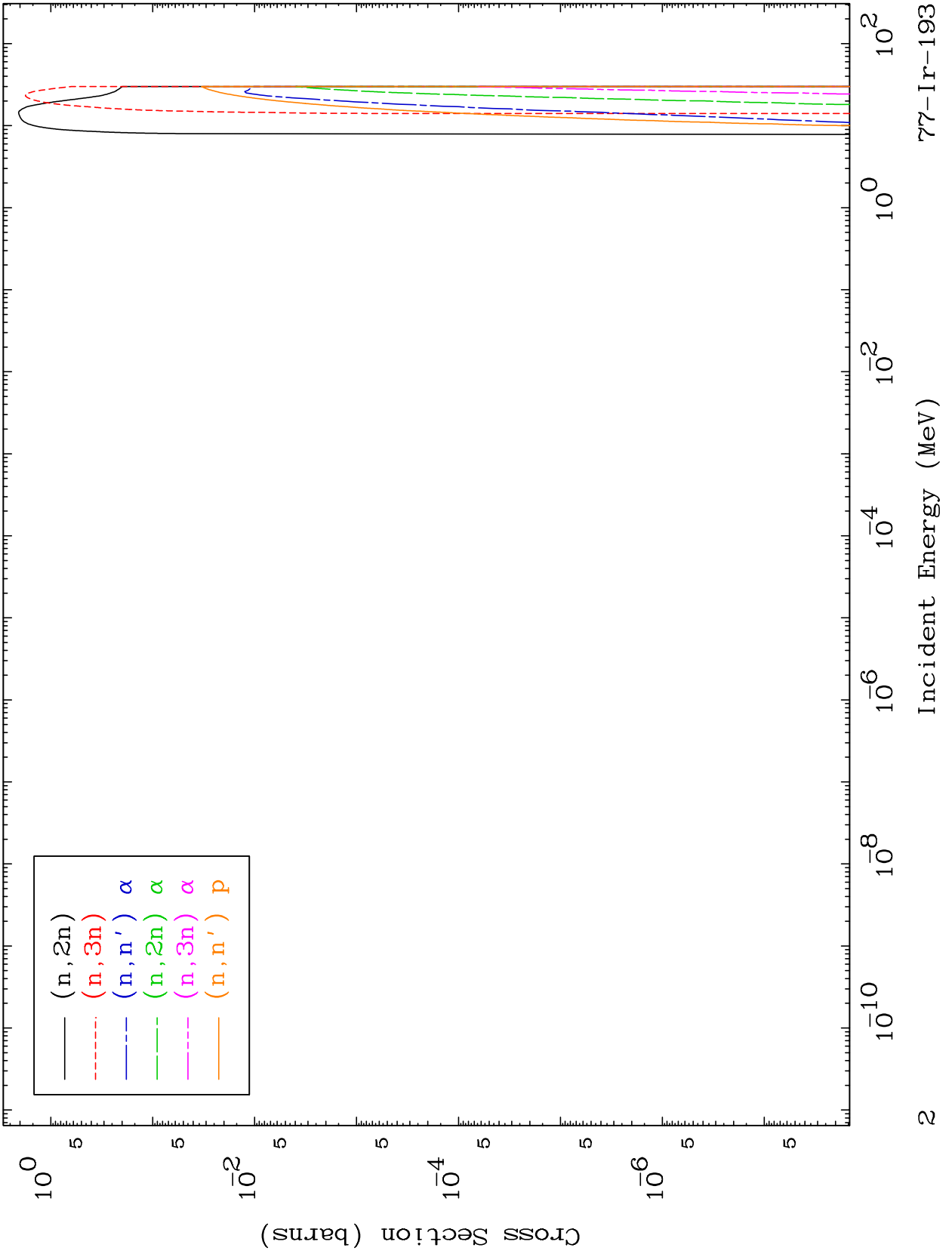
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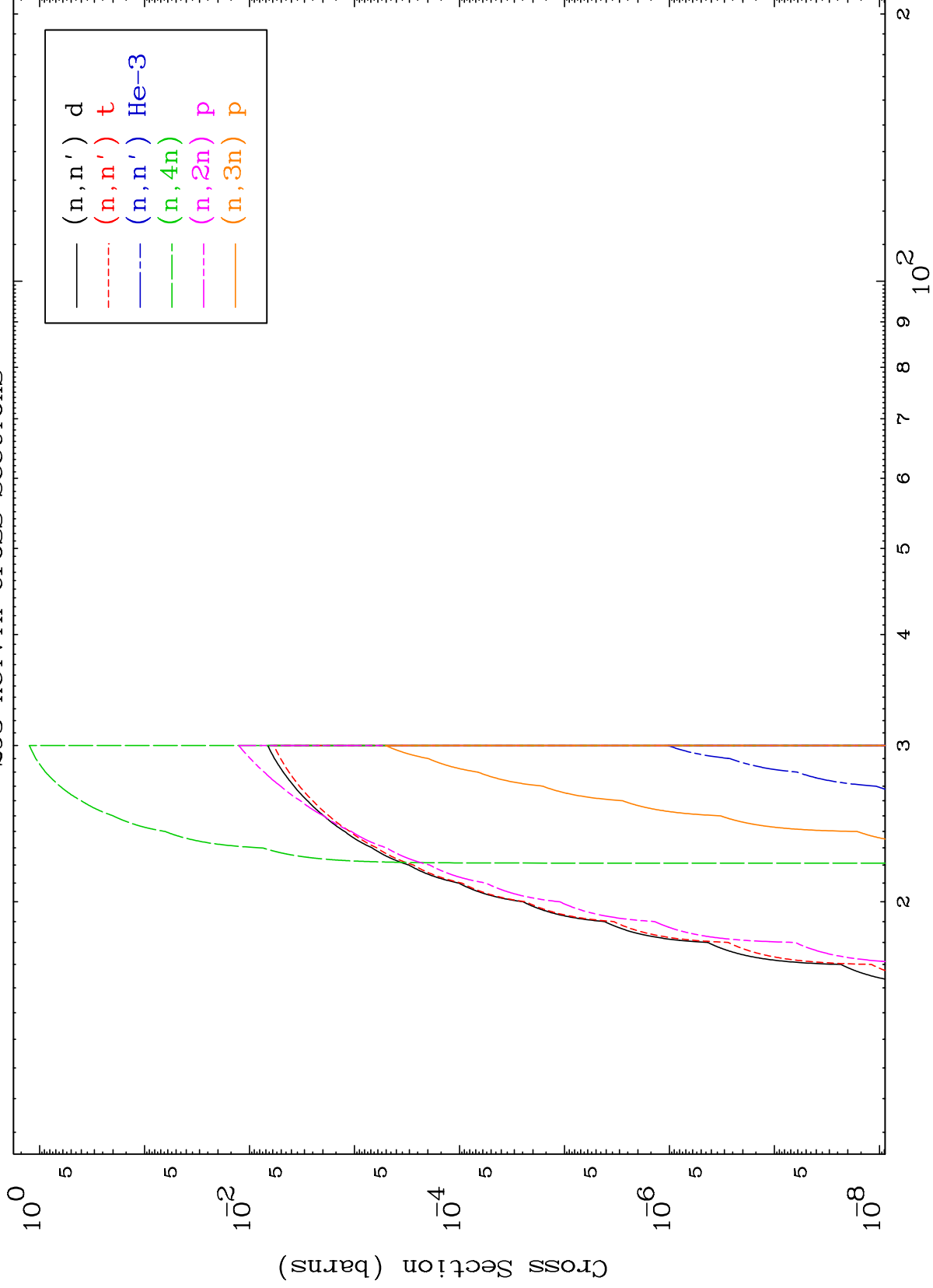


MAT 7731

Neutron Production
293 Kelvin Cross Sections

77-Ir-193

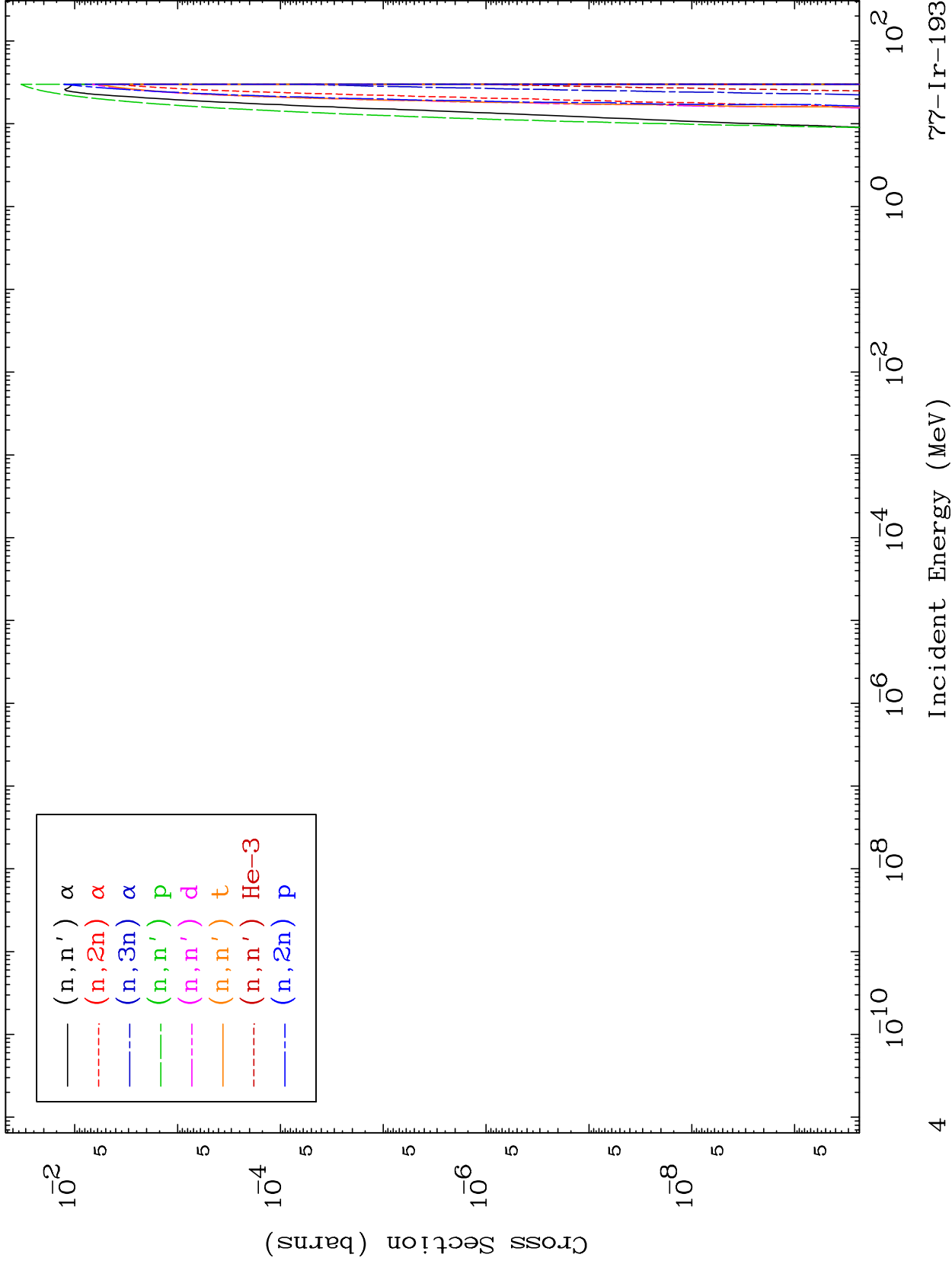




MAT 7731

Charged Particle
293 Kelvin Cross Sections

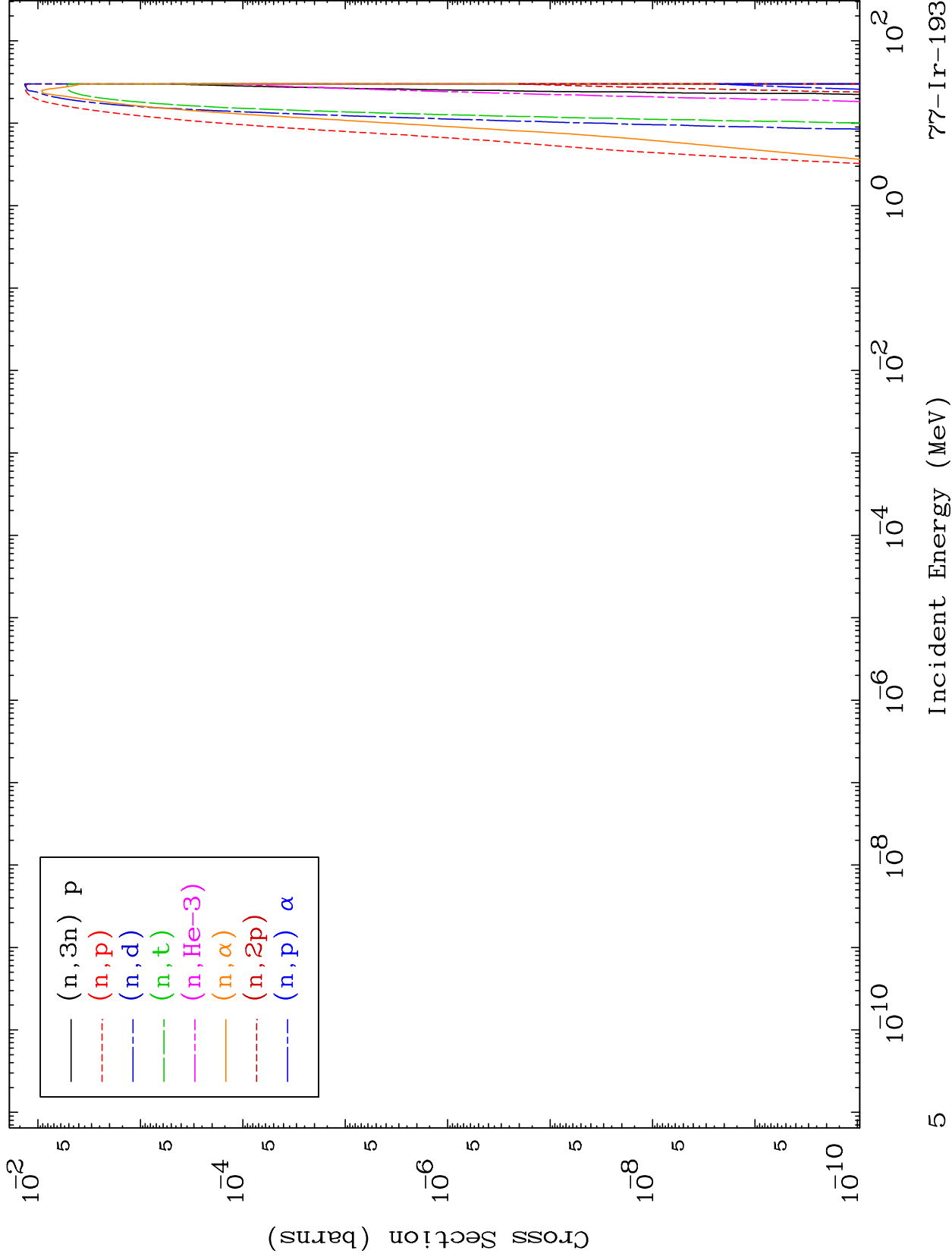
77-Ir-193

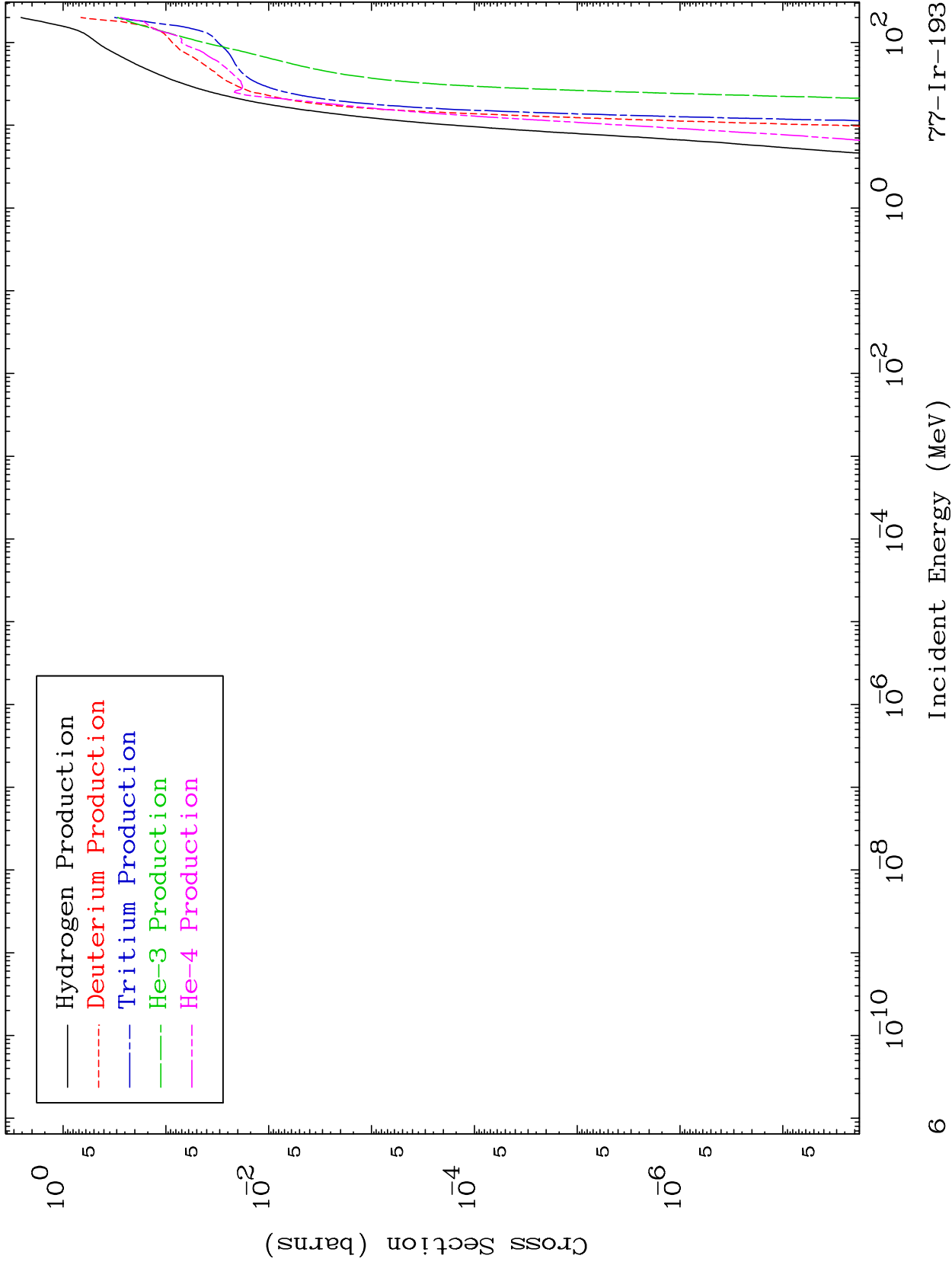


MAT 7731

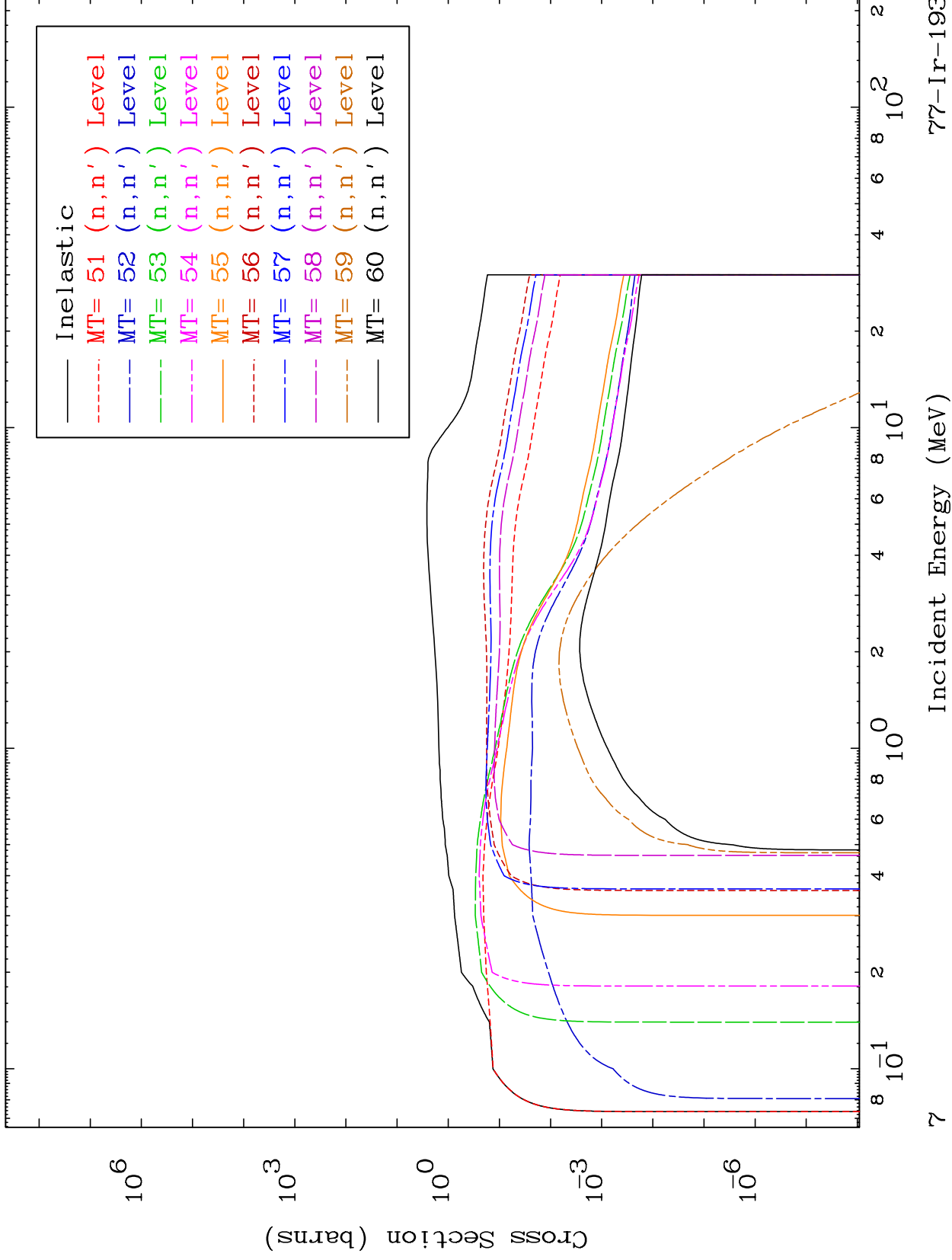
Charged Particle
293 Kelvin Cross Sections

77-Ir-193





293 Kelvin Cross Sections

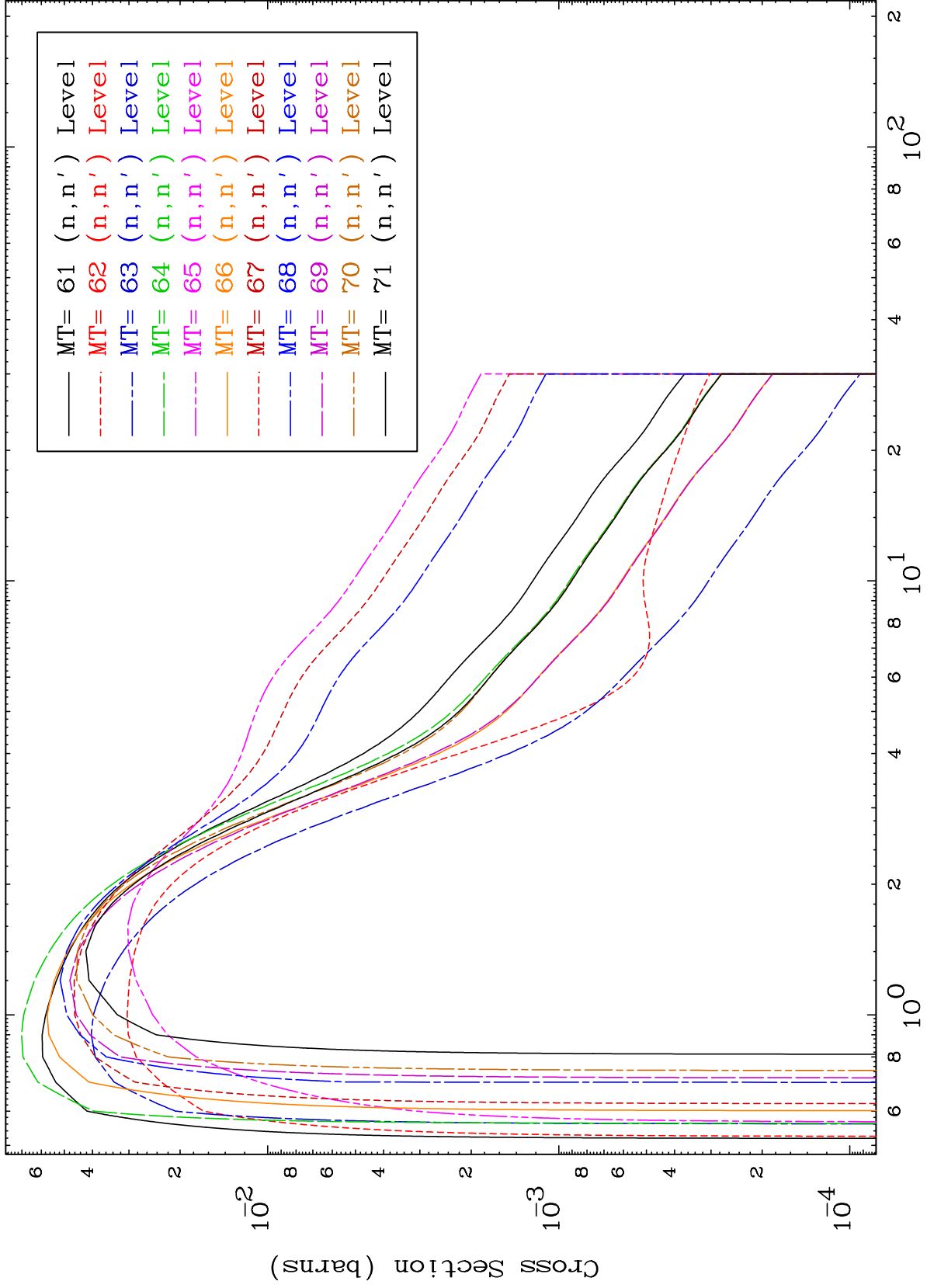


MAT 7731

(n,n') Level

77-Ir-193

293 Kelvin Cross Sections

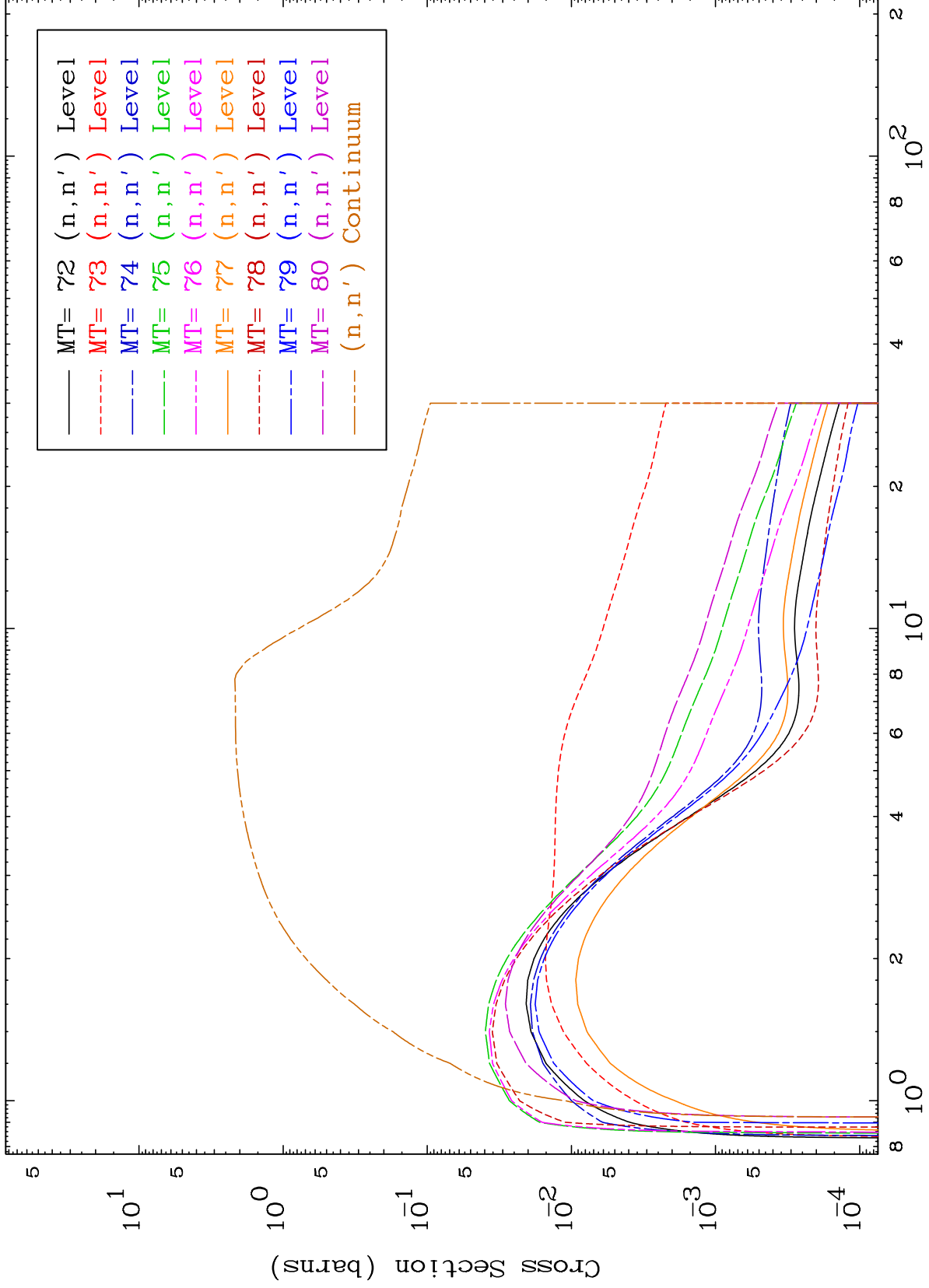


8

Incident Energy (MeV)

77-Ir-193

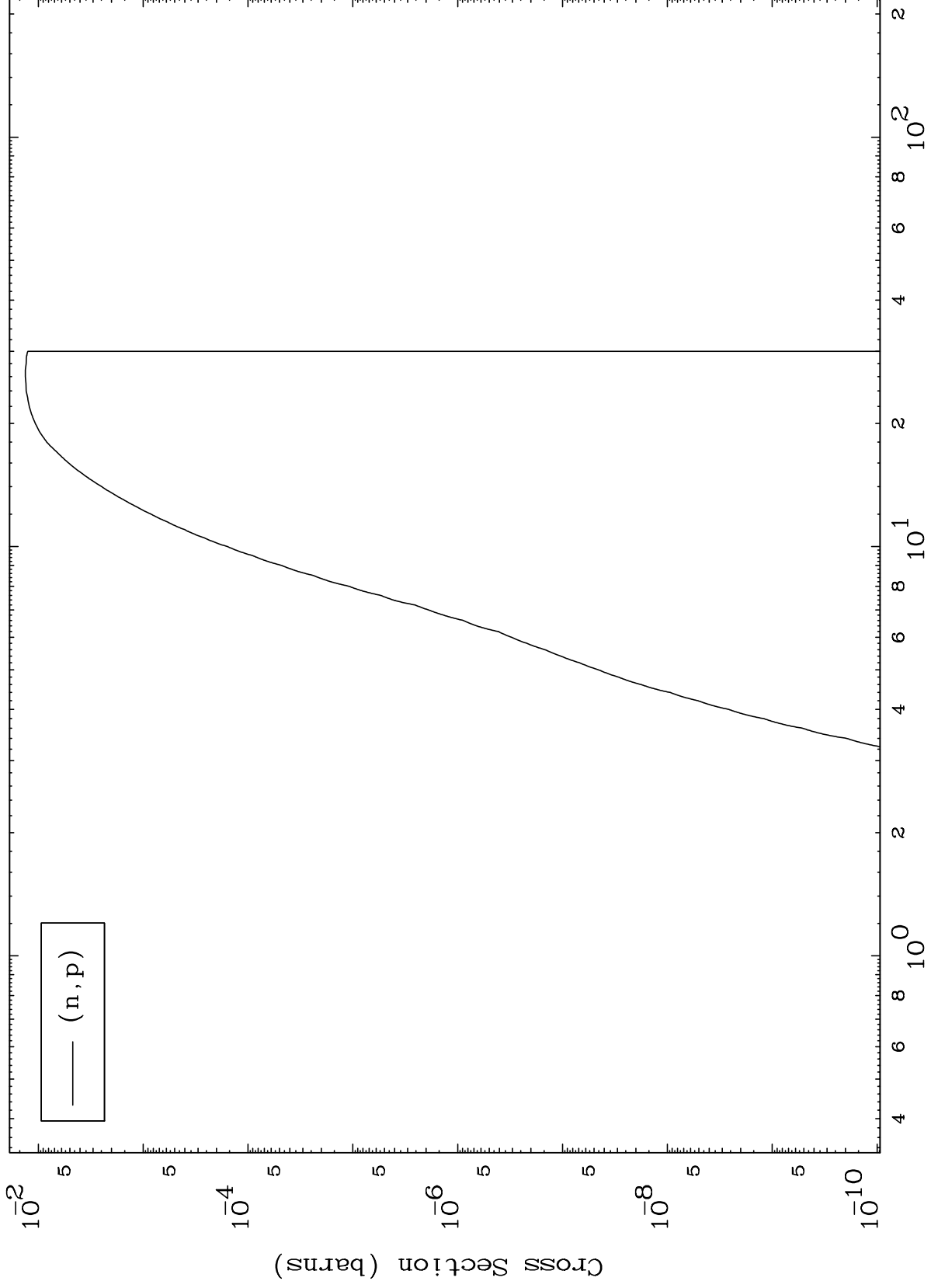
293 Kelvin Cross Sections



MAT 7731

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-193



10

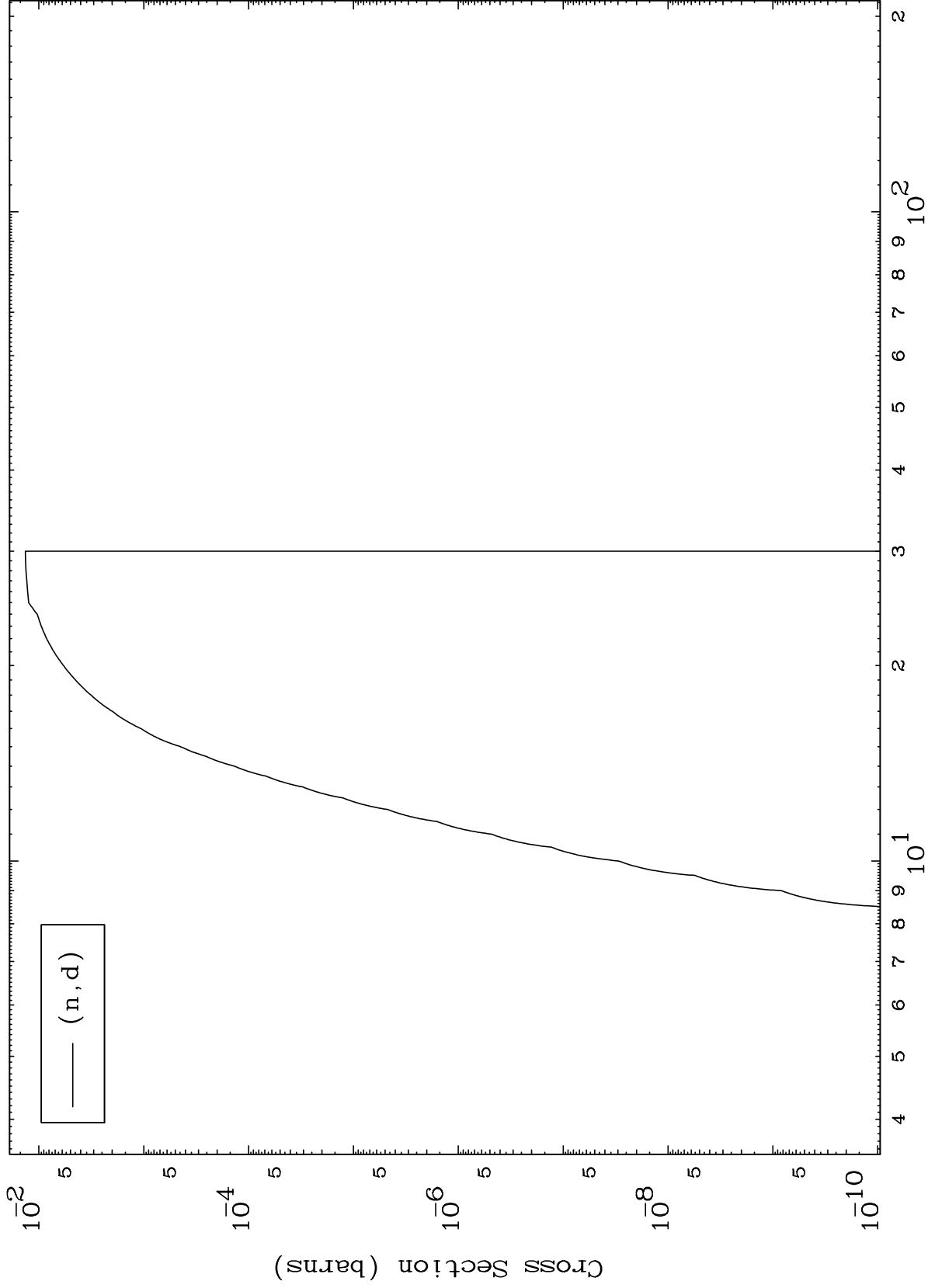
Incident Energy (MeV)

77-Ir-193

MAT 7731

(n,d) Levels
293 Kelvin Cross Sections

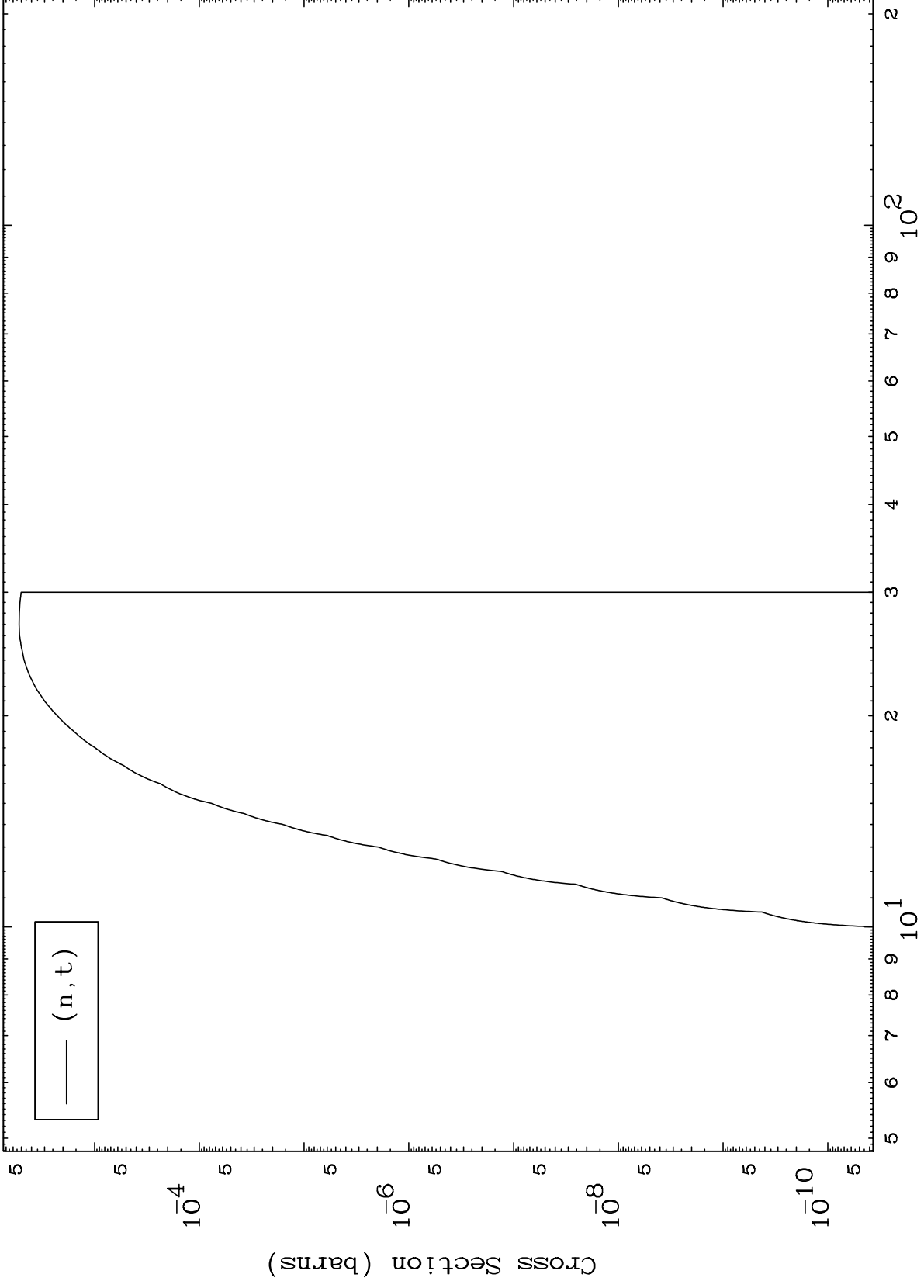
77-Ir-193



MAT 7731

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-193



12

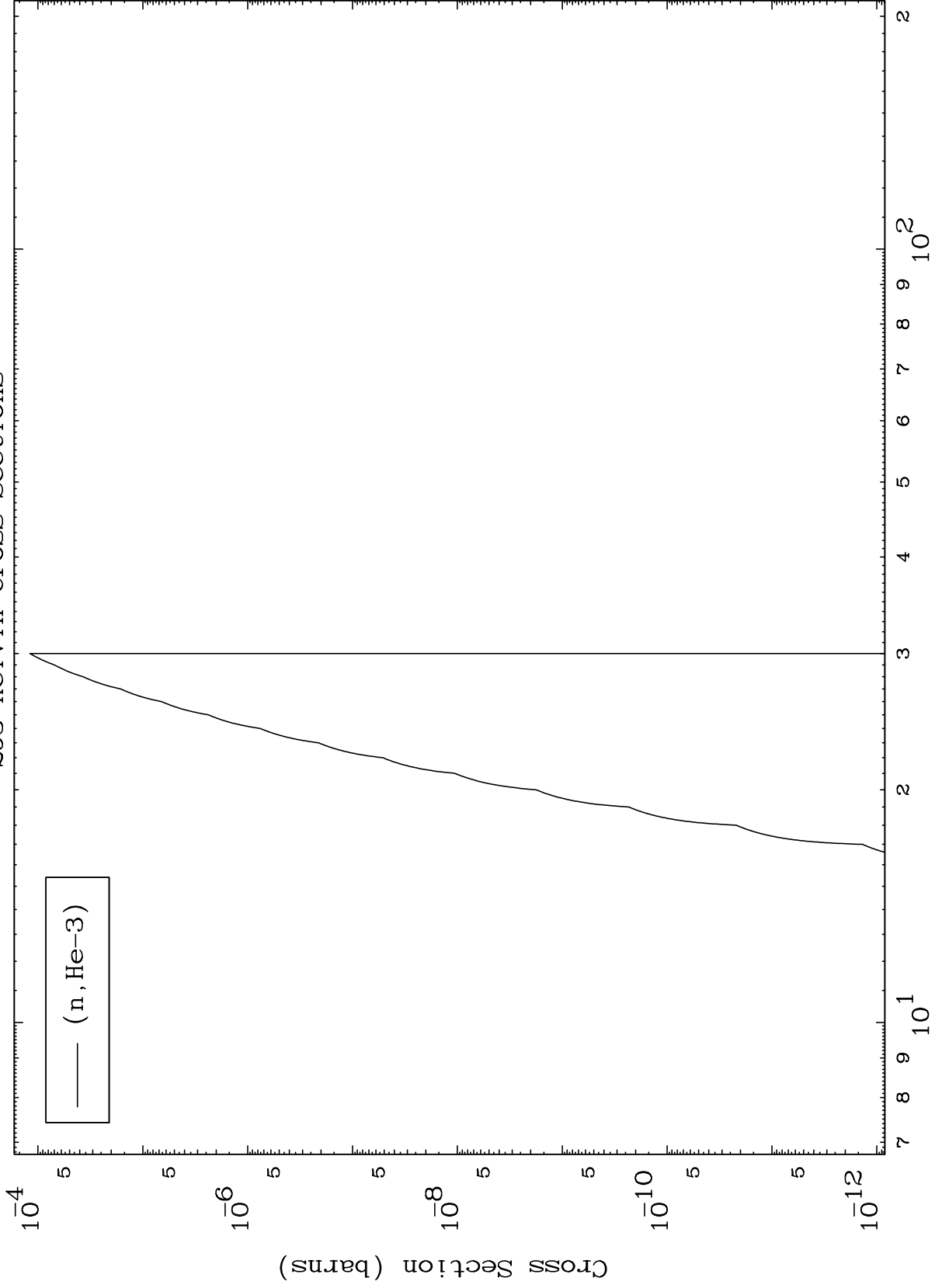
Incident Energy (MeV)

77-Ir-193

MAT 7731

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-193



13

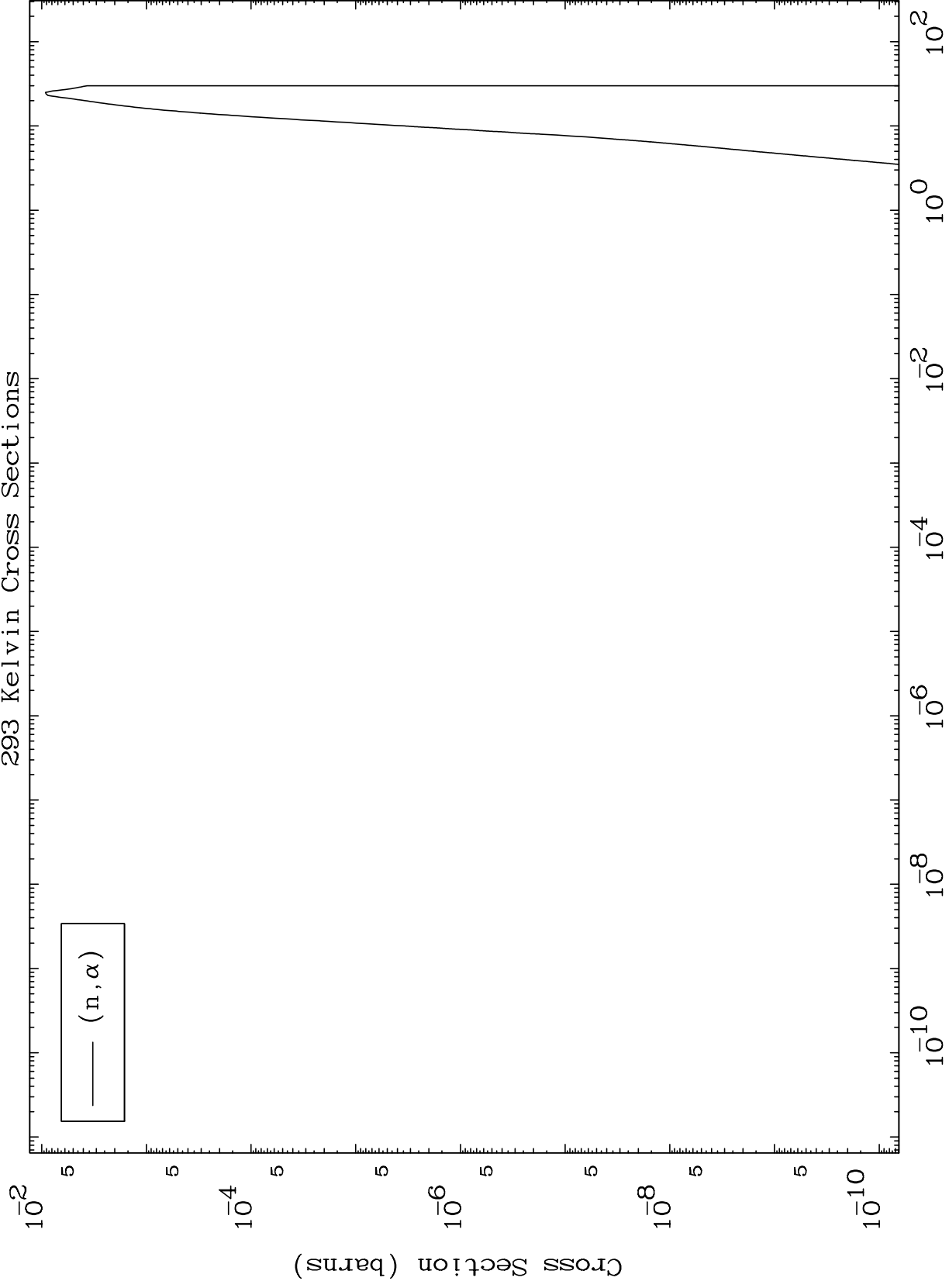
Incident Energy (MeV)

77-Ir-193

MAT 7731

(n, α) Levels
293 Kelvin Cross Sections

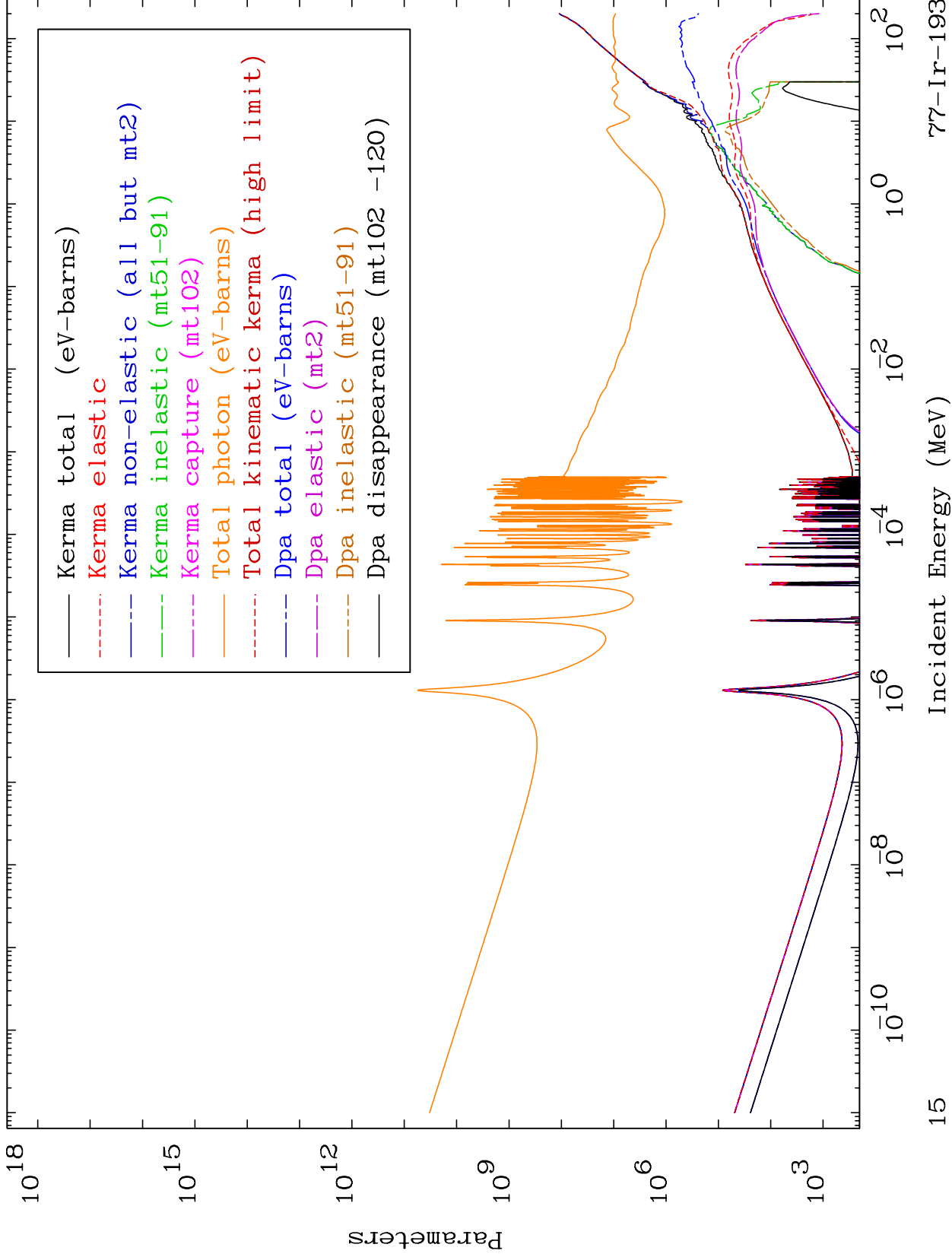
77-Ir-193

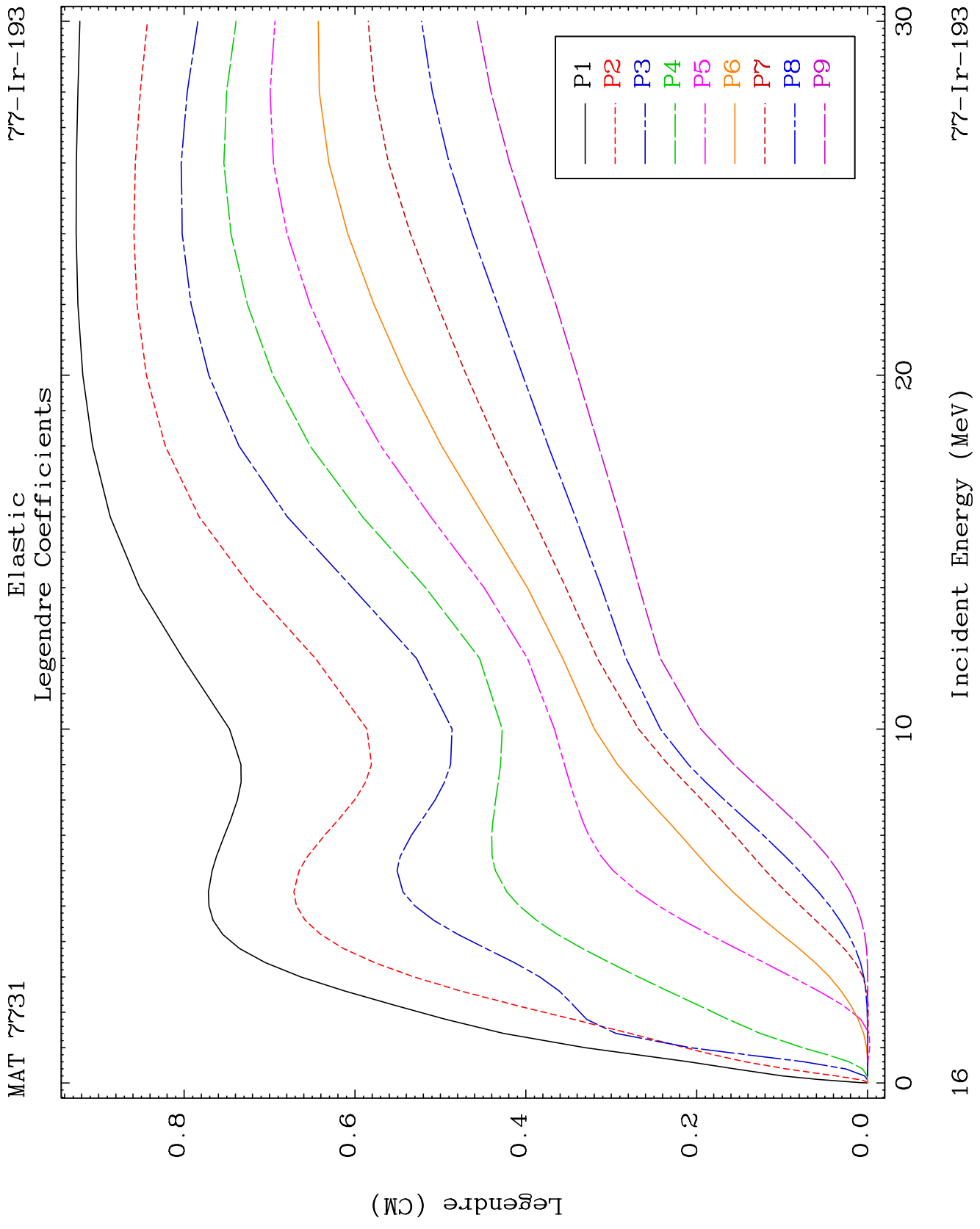


14

Incident Energy (MeV)

77-Ir-193

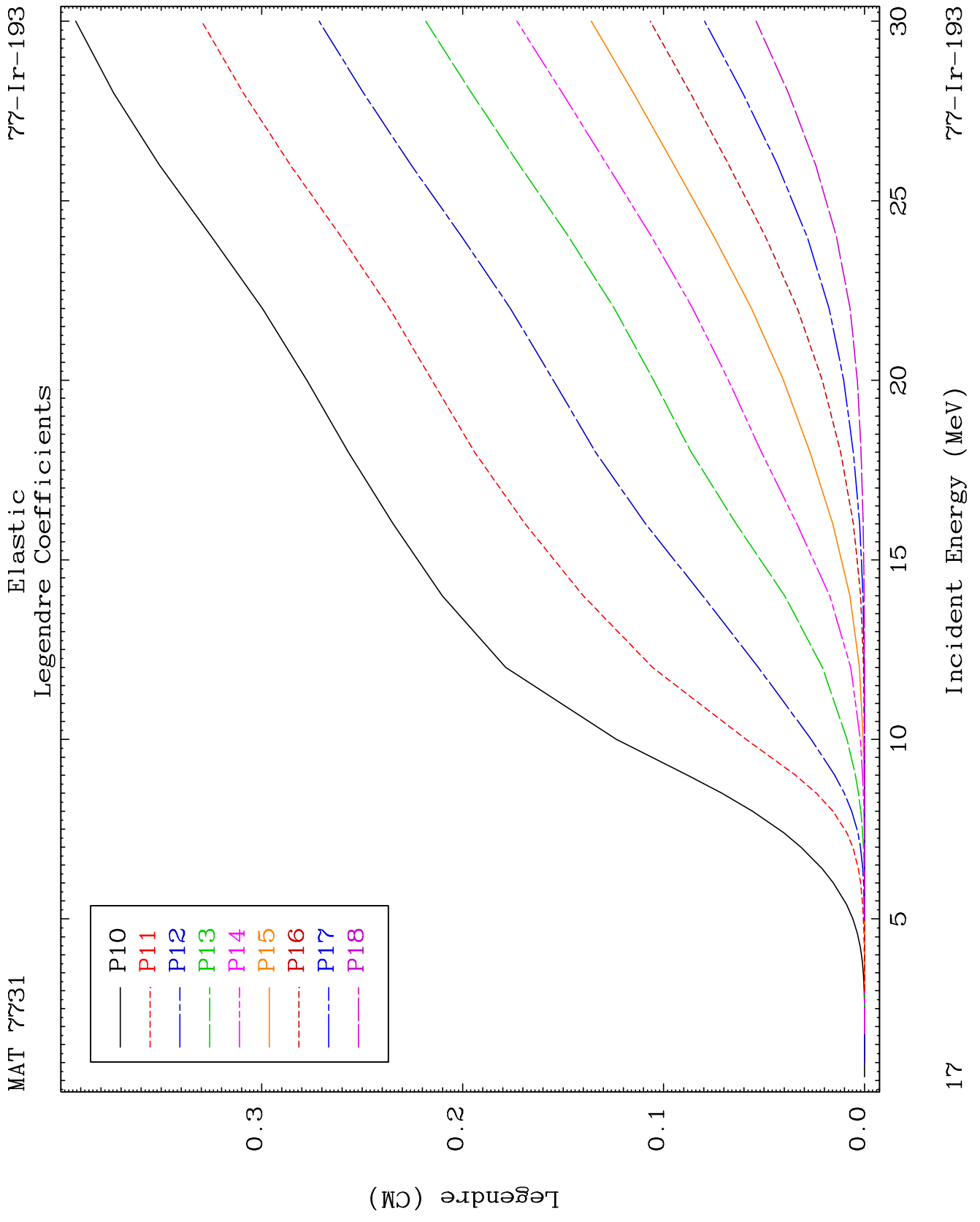




77-Ir-193

Incident Energy (MeV)

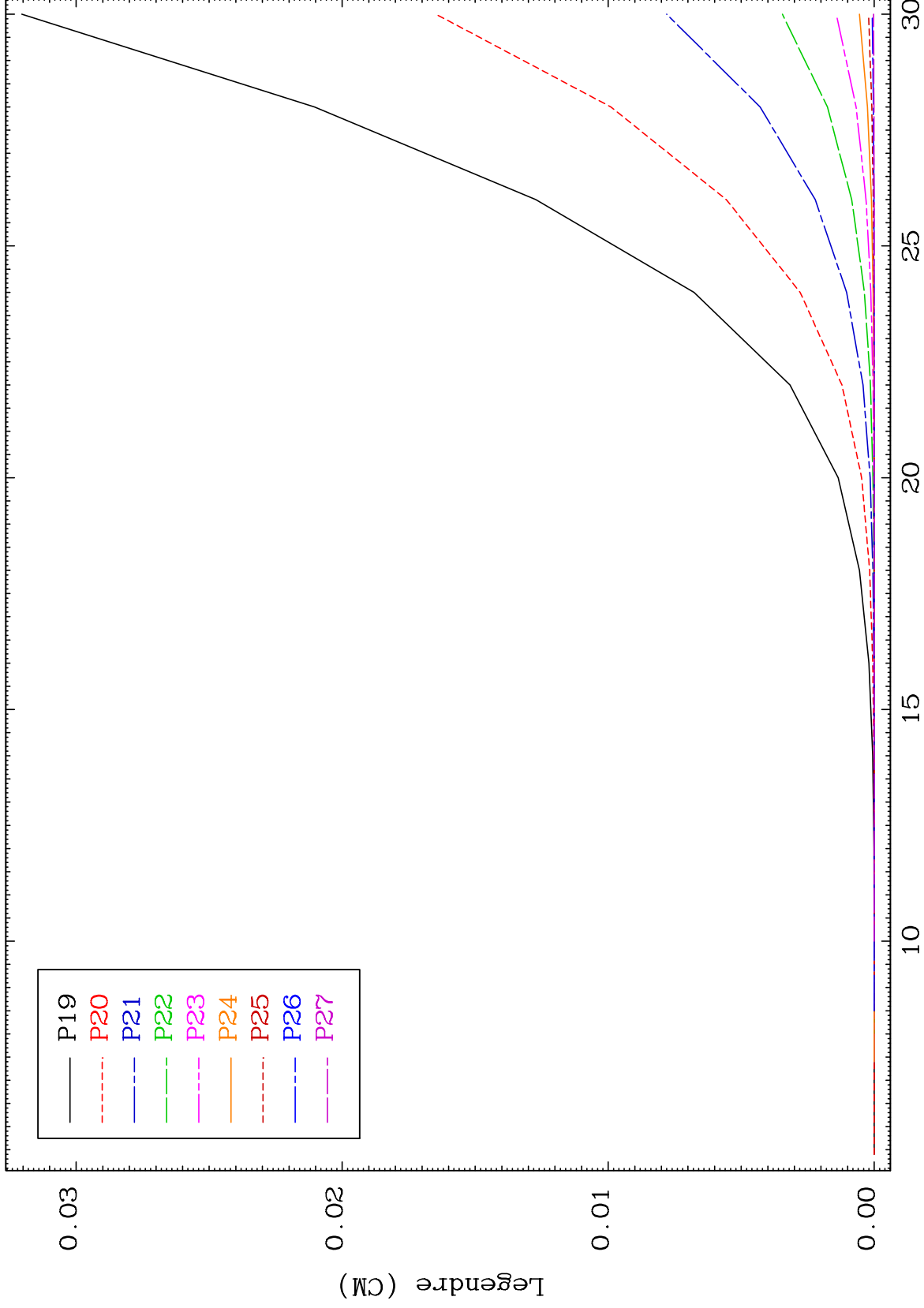
16



MAT 7731

Elastic
Legendre Coefficients

77-Ir-193



18

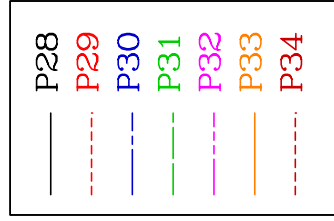
Incident Energy (MeV)

77-Ir-193

MAT 7731

Elastic
Legendre Coefficients

77-Ir-193



$\times 10^{-6}$

Legendre (CM)

8

6

4

2

0

15

20

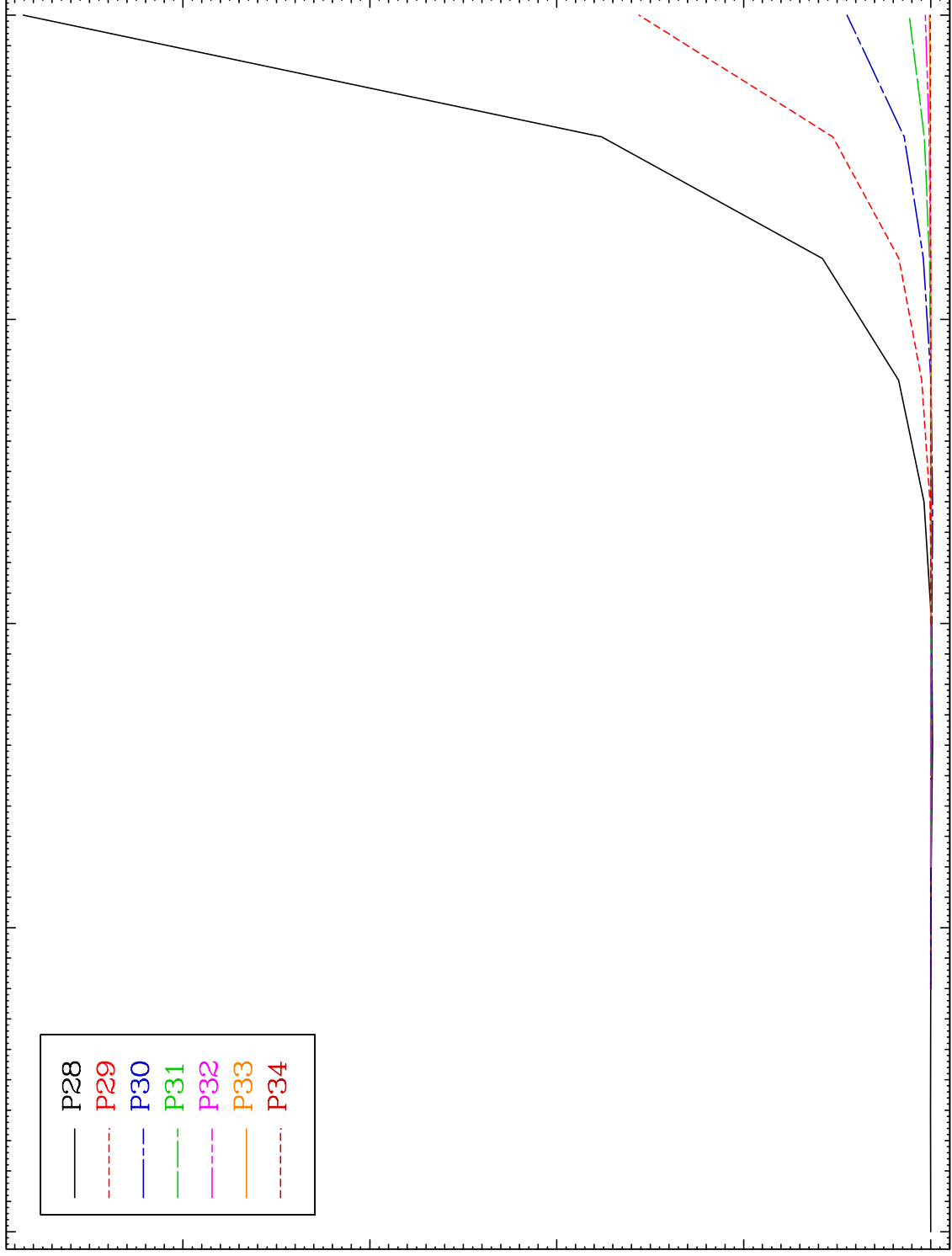
25

30

19

Incident Energy (MeV)

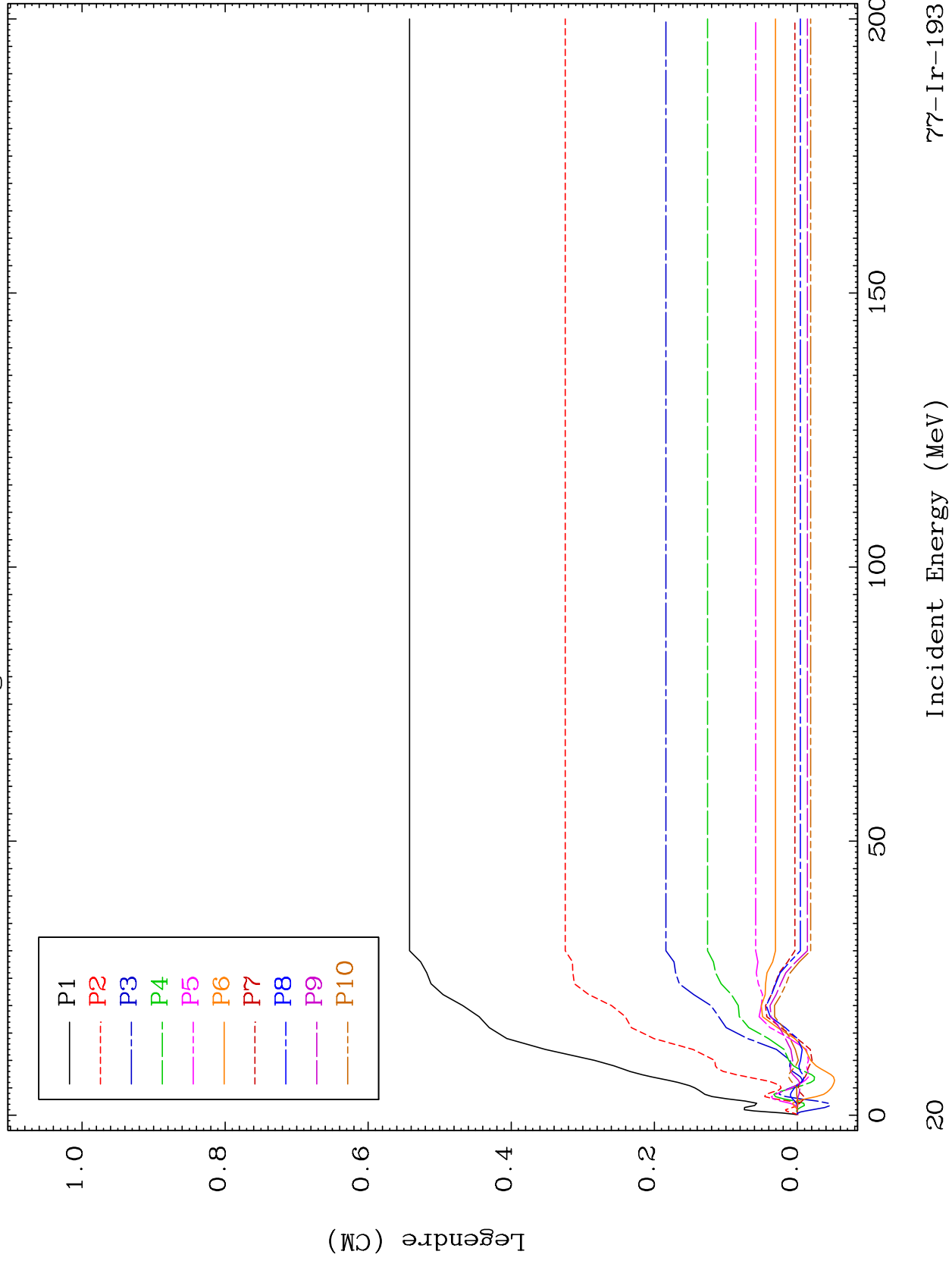
77-Ir-193



MAT 7731

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

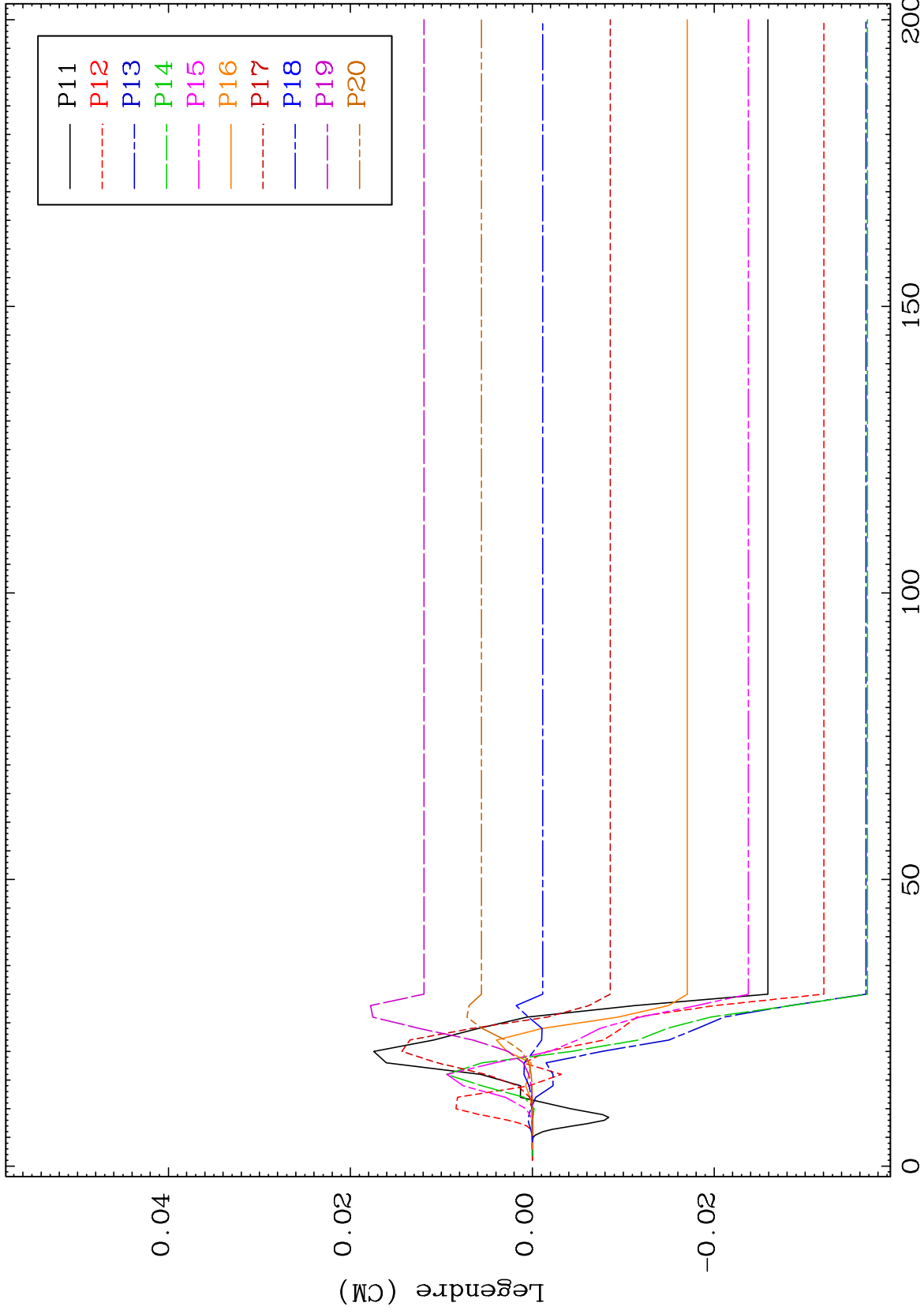
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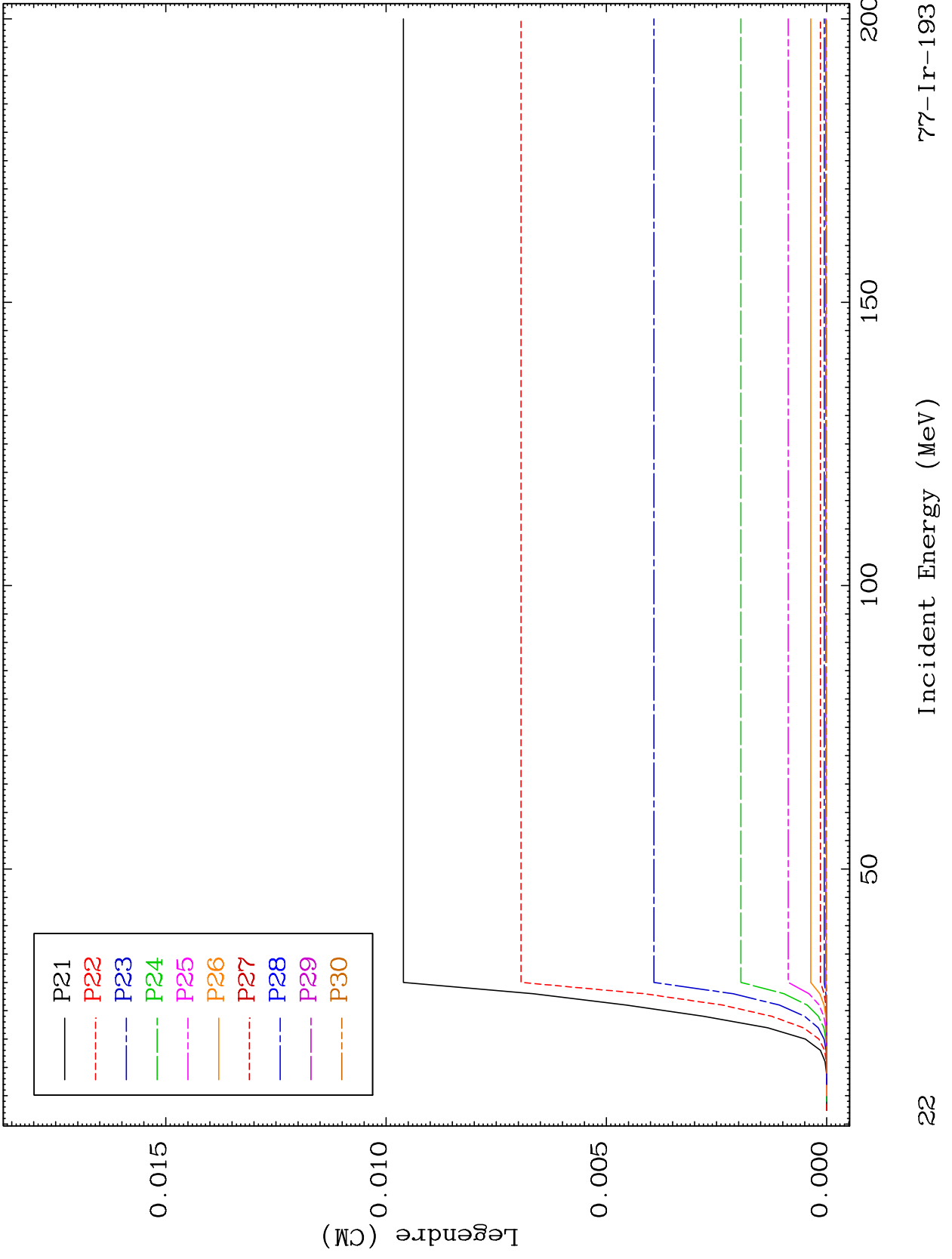


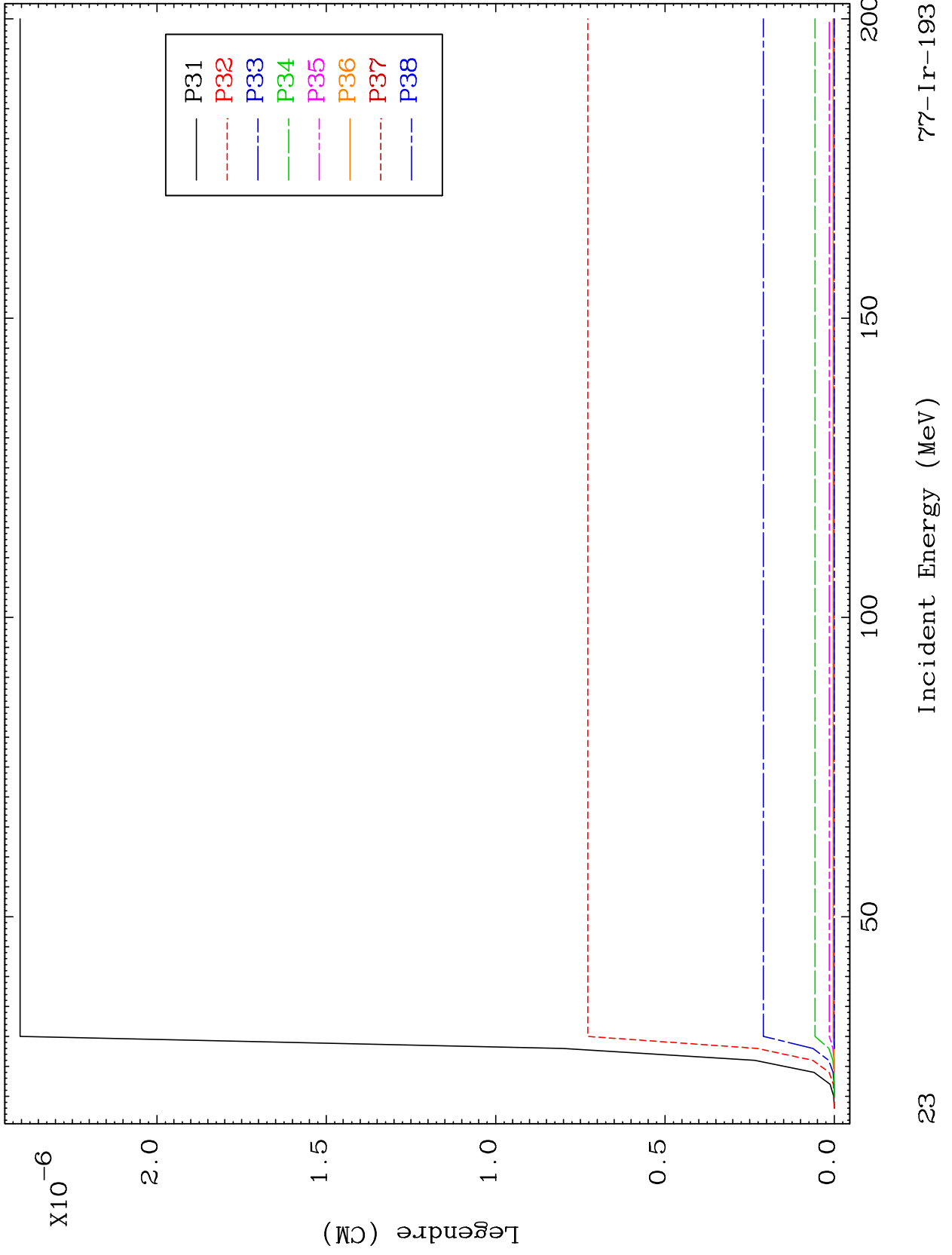
77-Ir-193

Incident Energy (MeV)

20



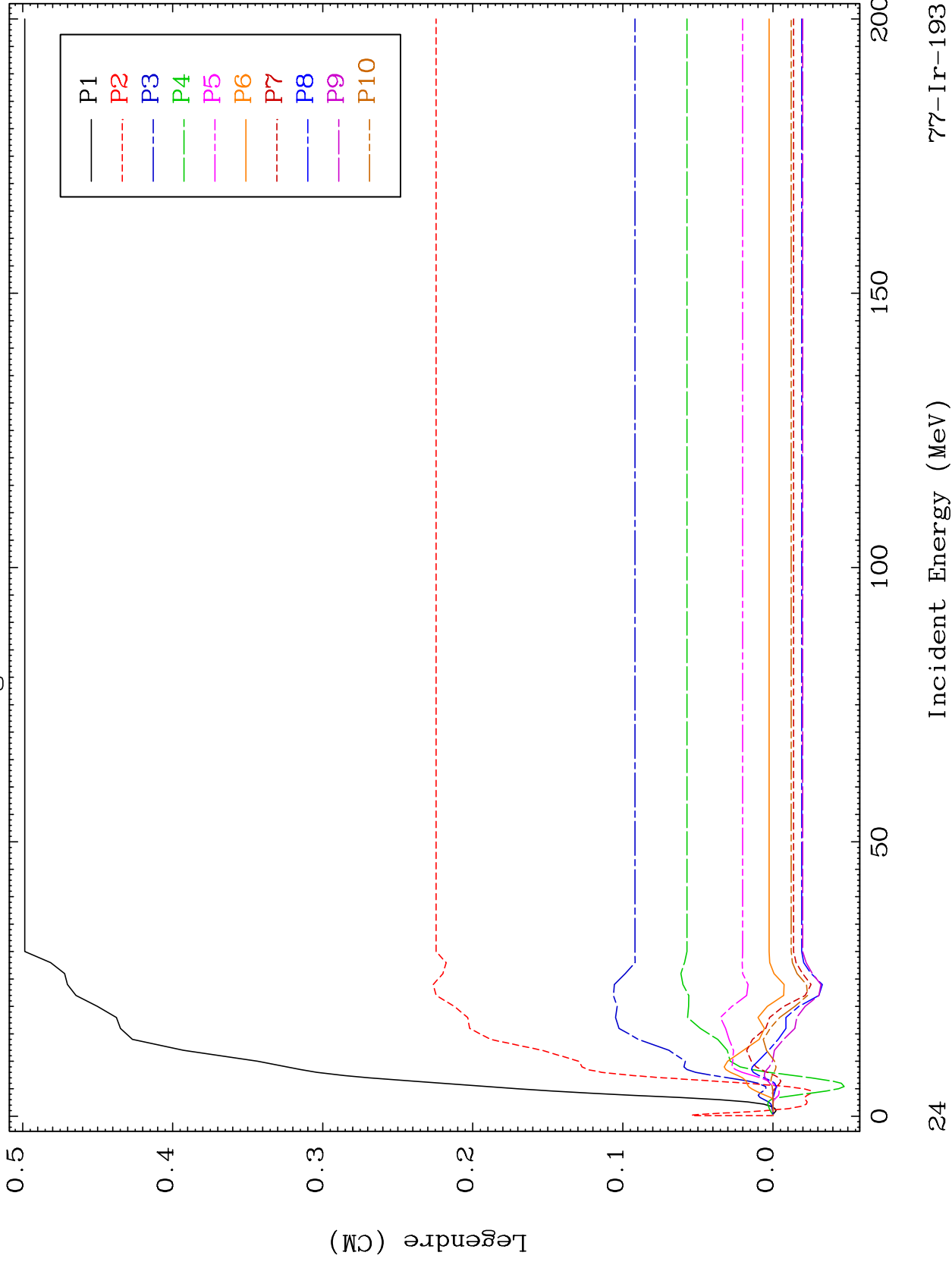




MAT 7731

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

77-Ir-193



24

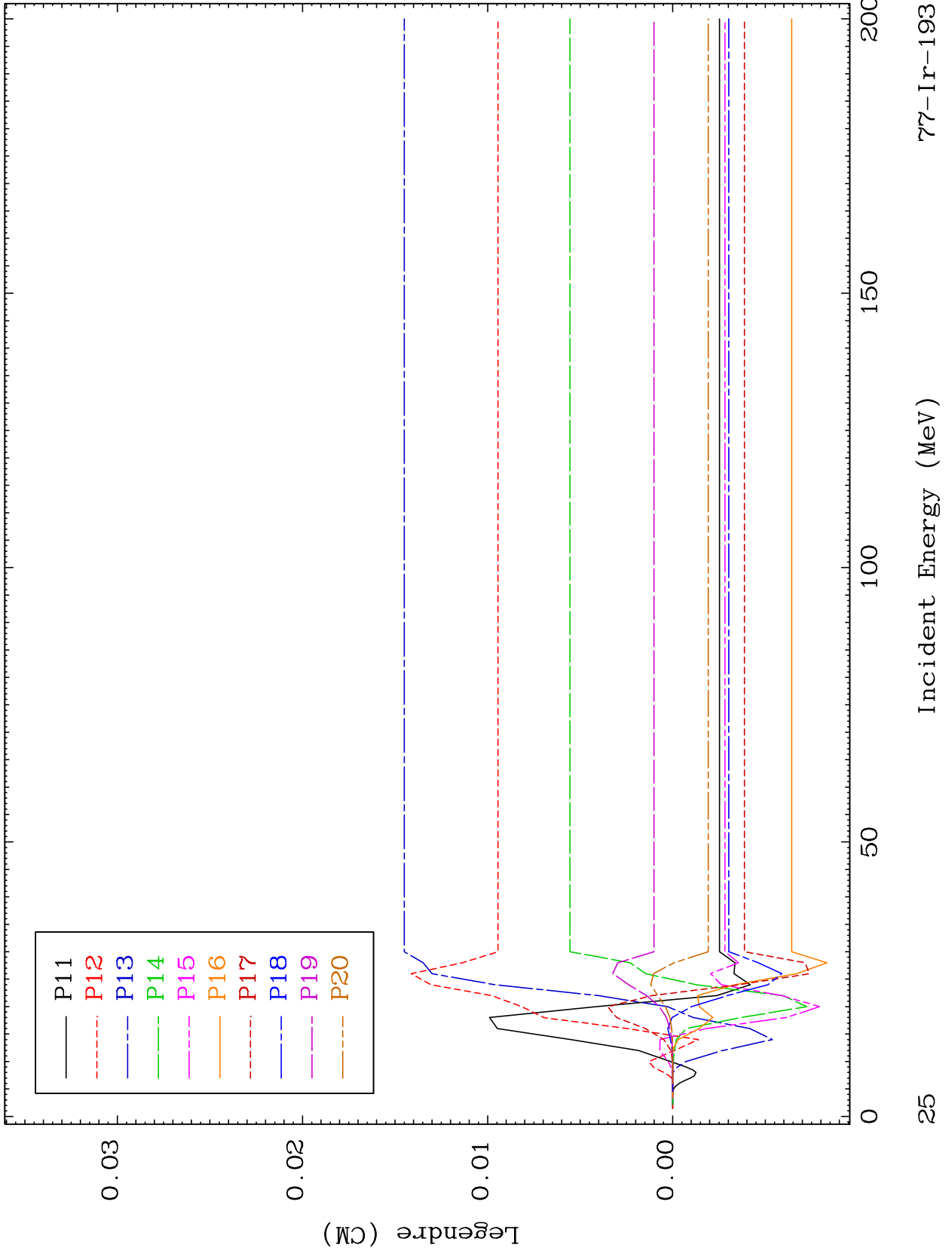
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

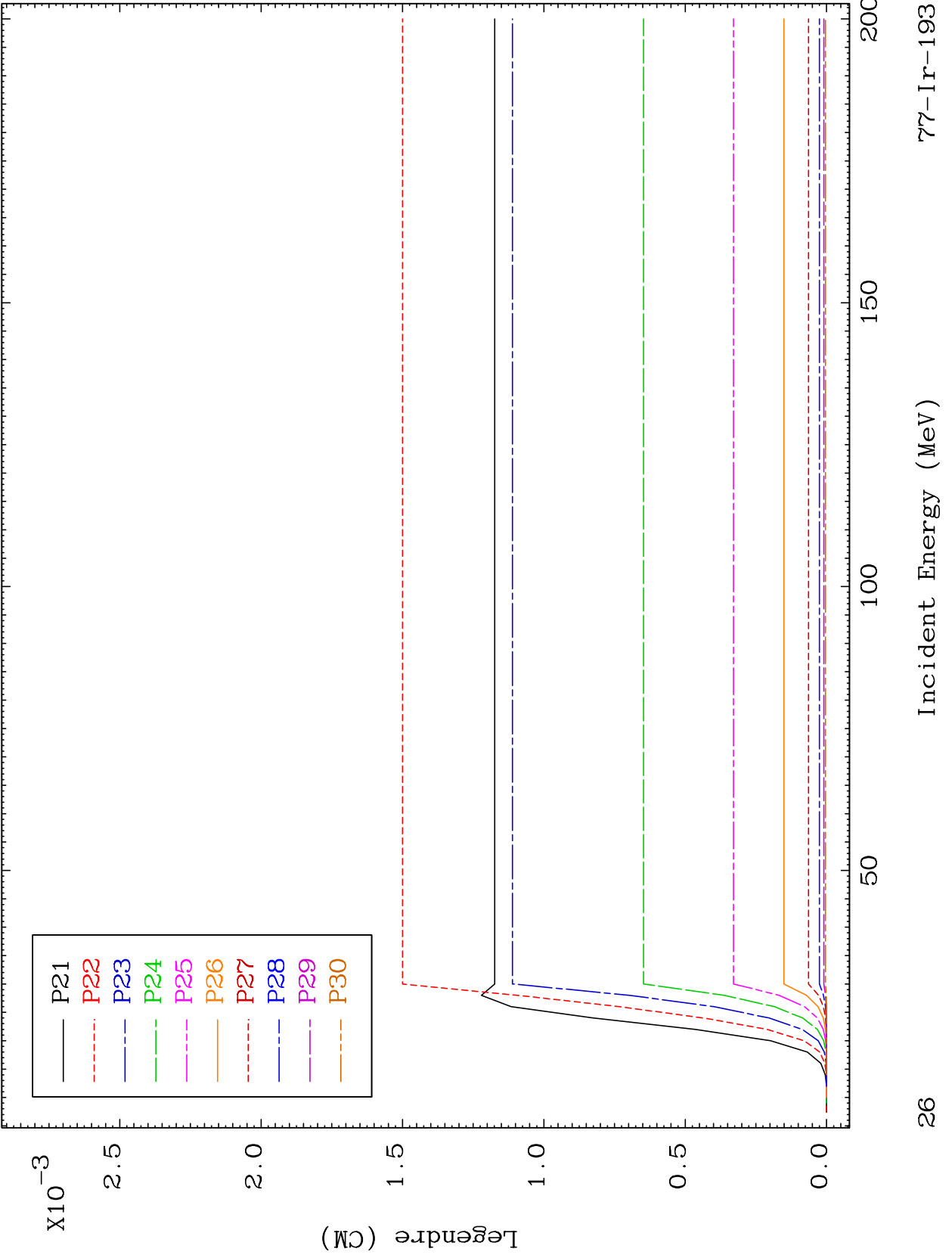
77-Ir-193



77-Ir-193

Incident Energy (MeV)

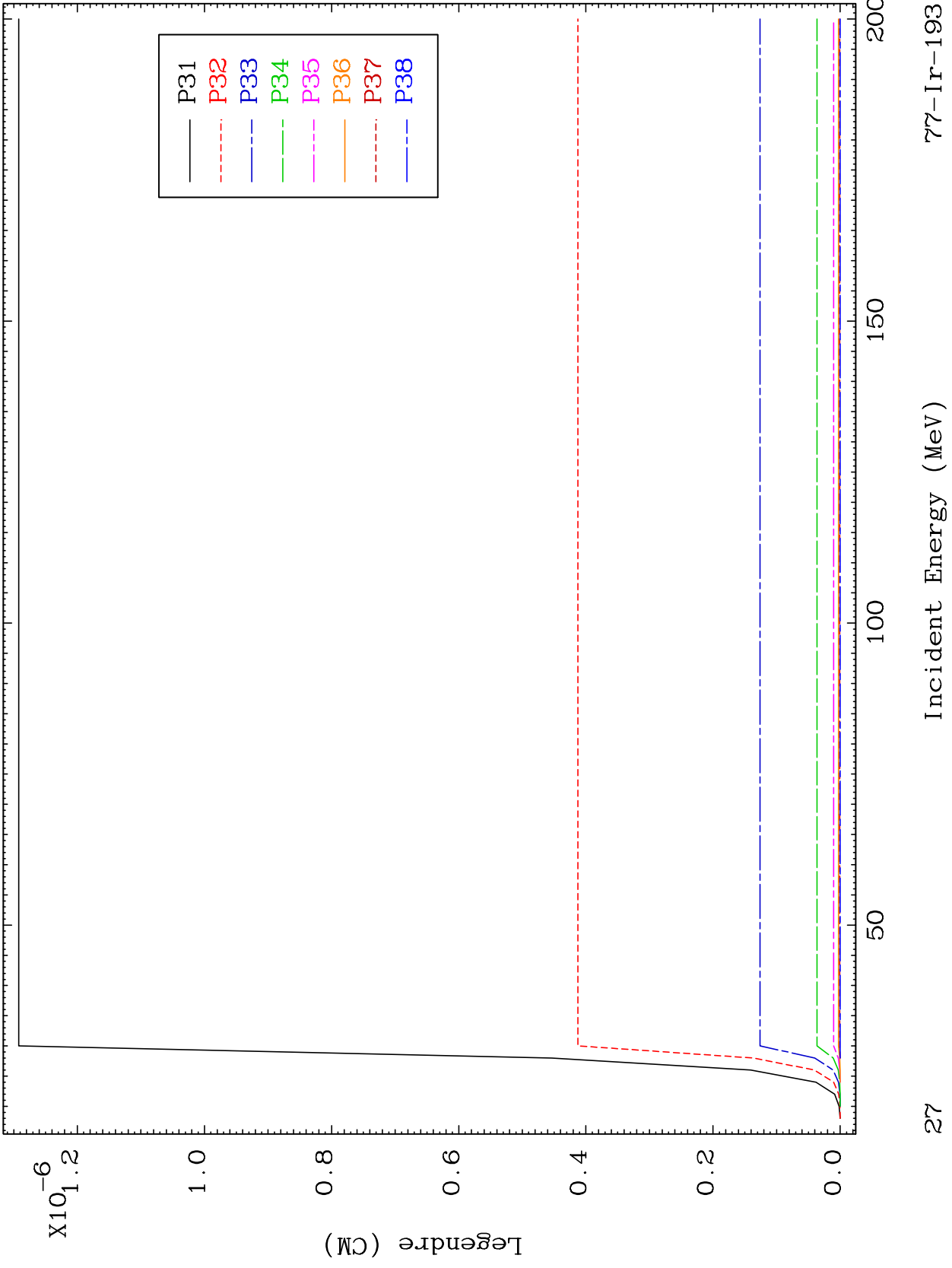
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MAT 7731

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

77-Ir-193

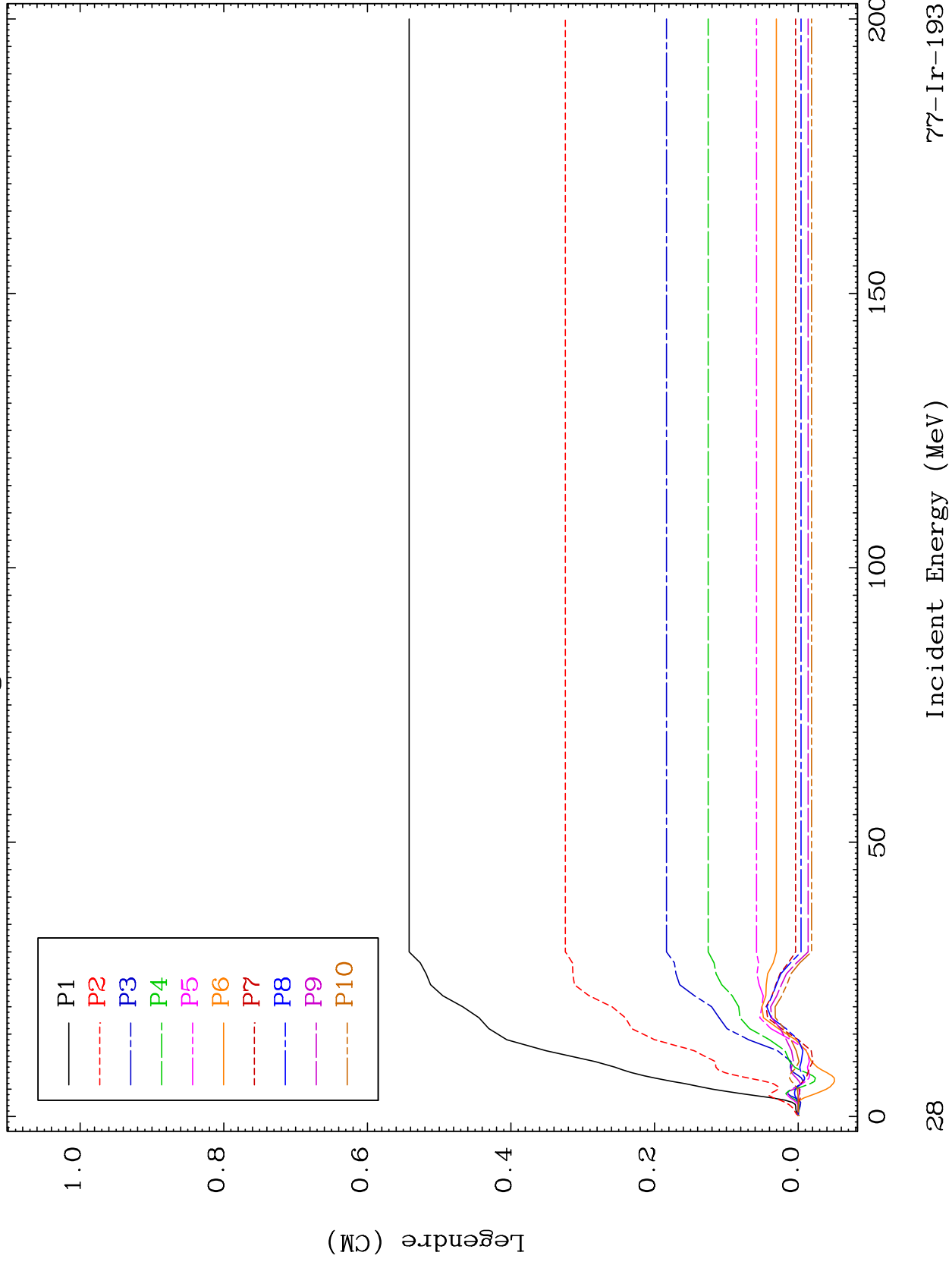


27

MAT 7731

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

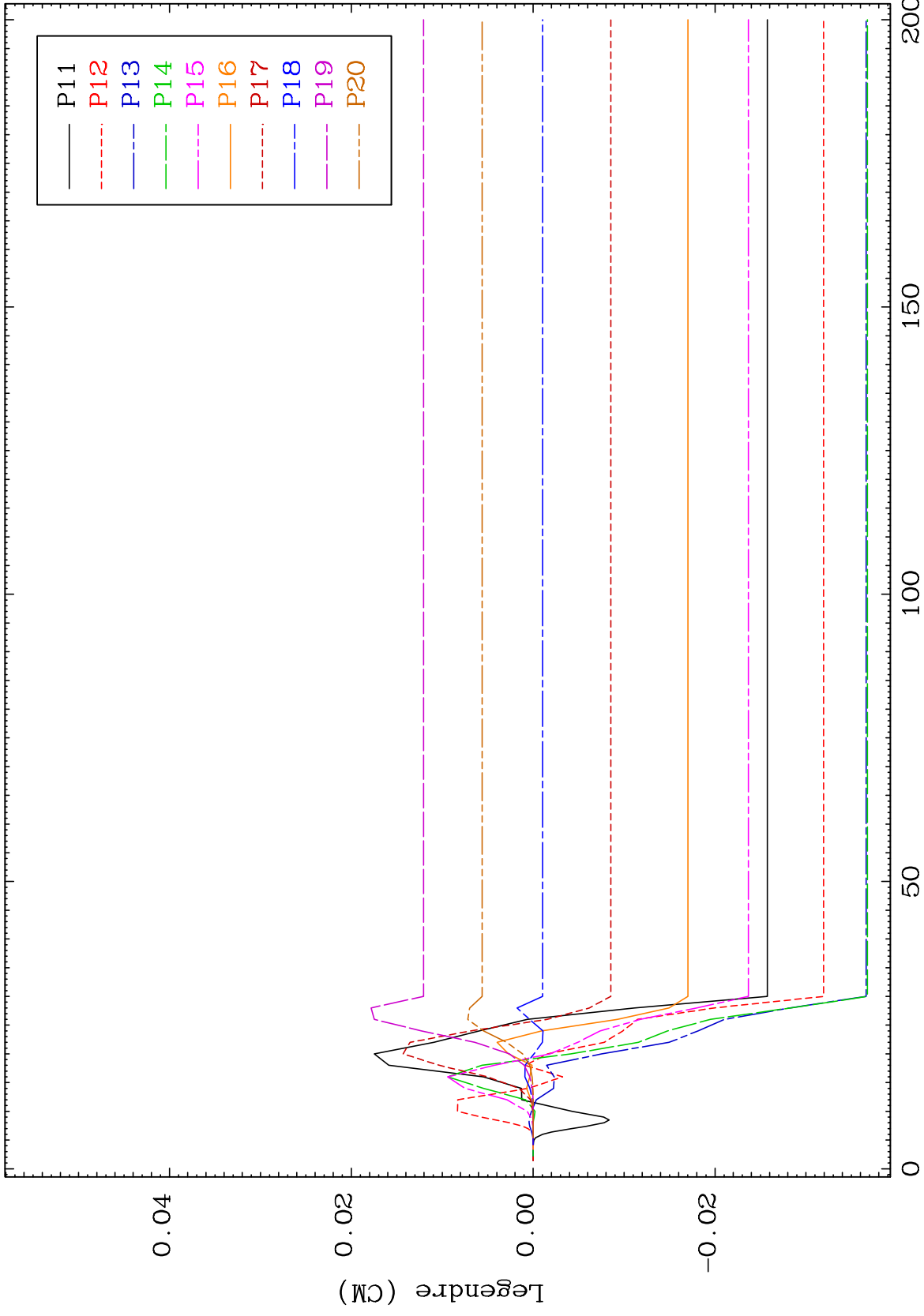
77-Ir-193



77-Ir-193

Incident Energy (MeV)

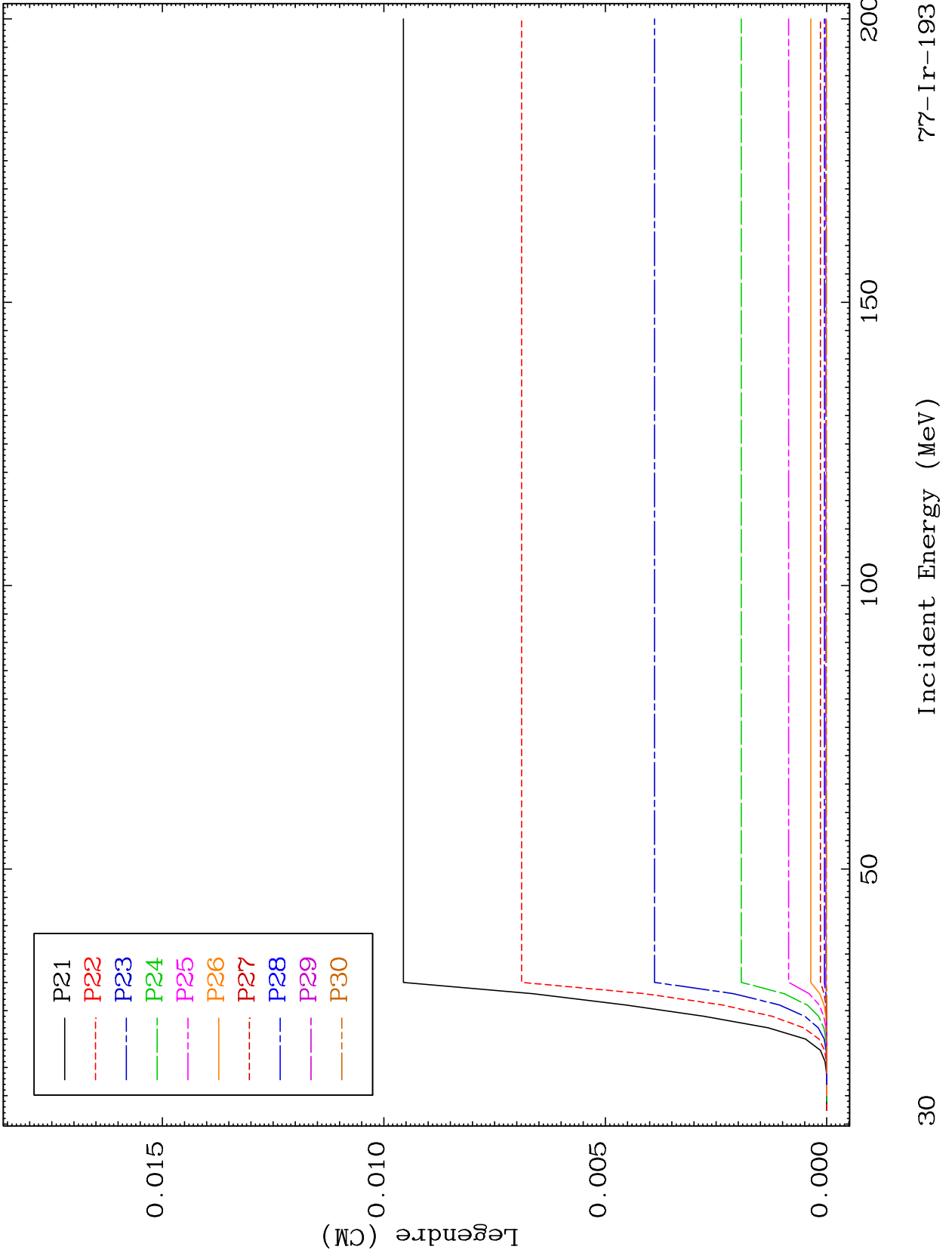
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MAT 7731

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

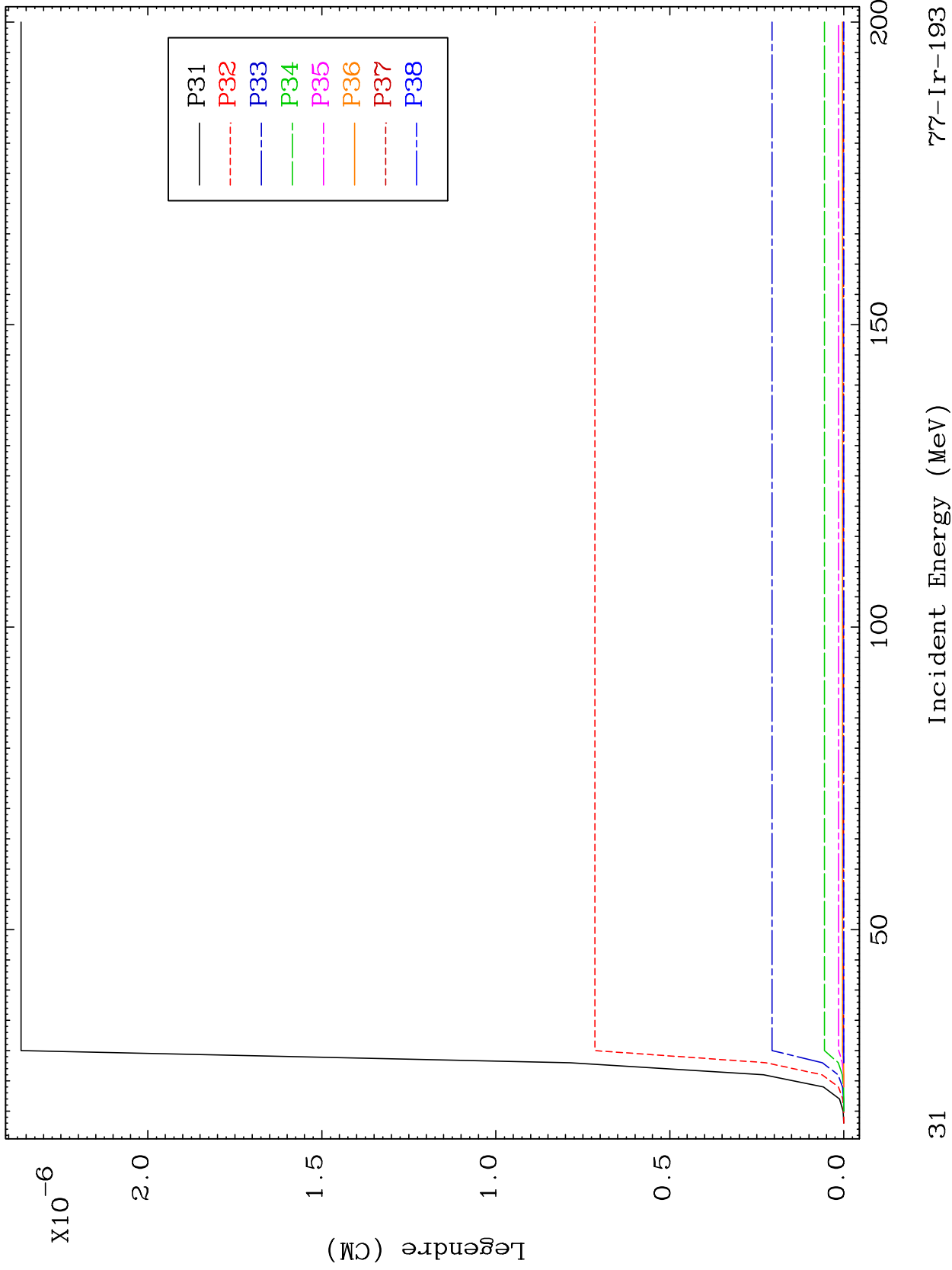
77-Ir-193



77-Ir-193

Incident Energy (MeV)

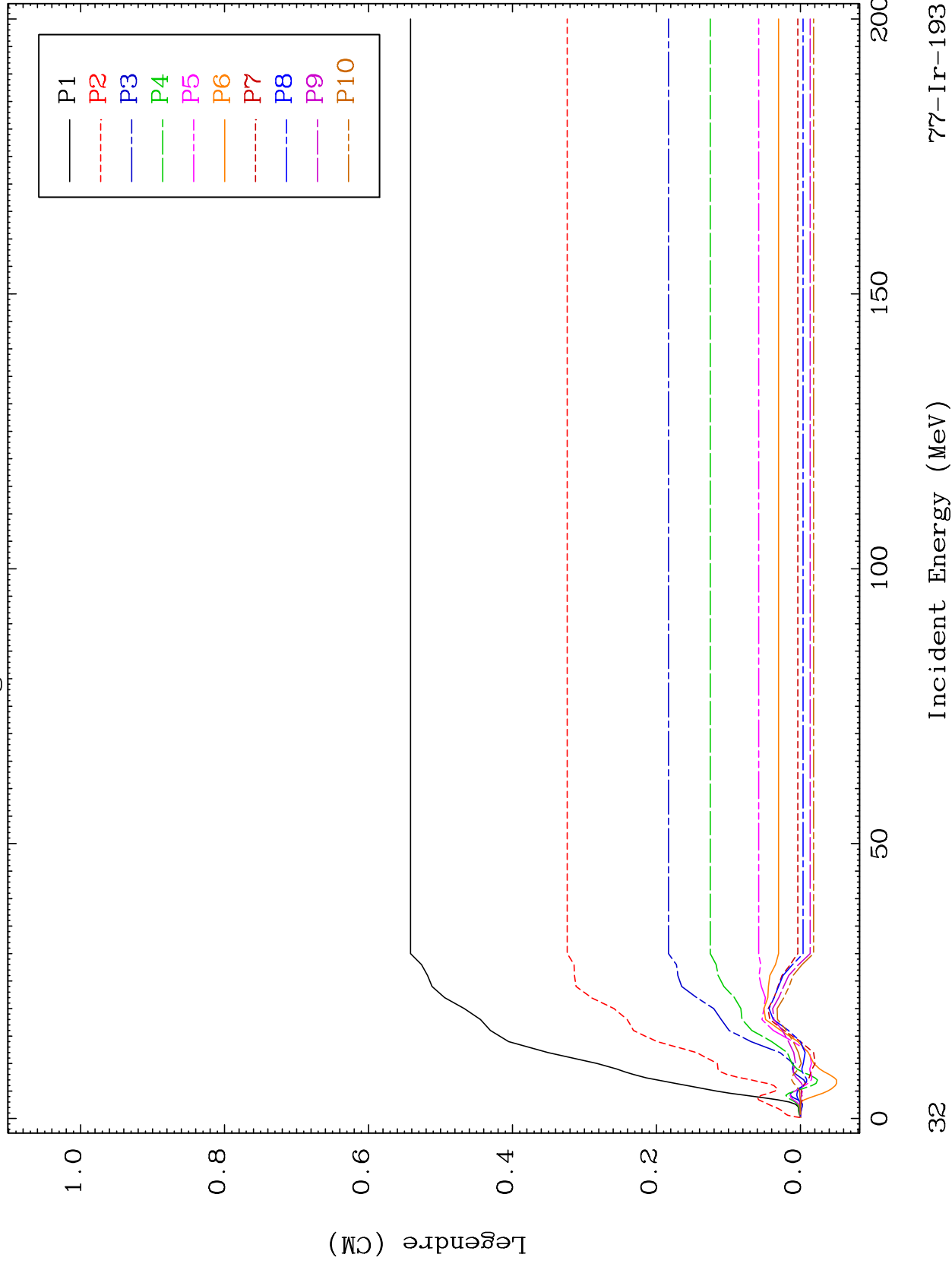
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MAT 7731

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

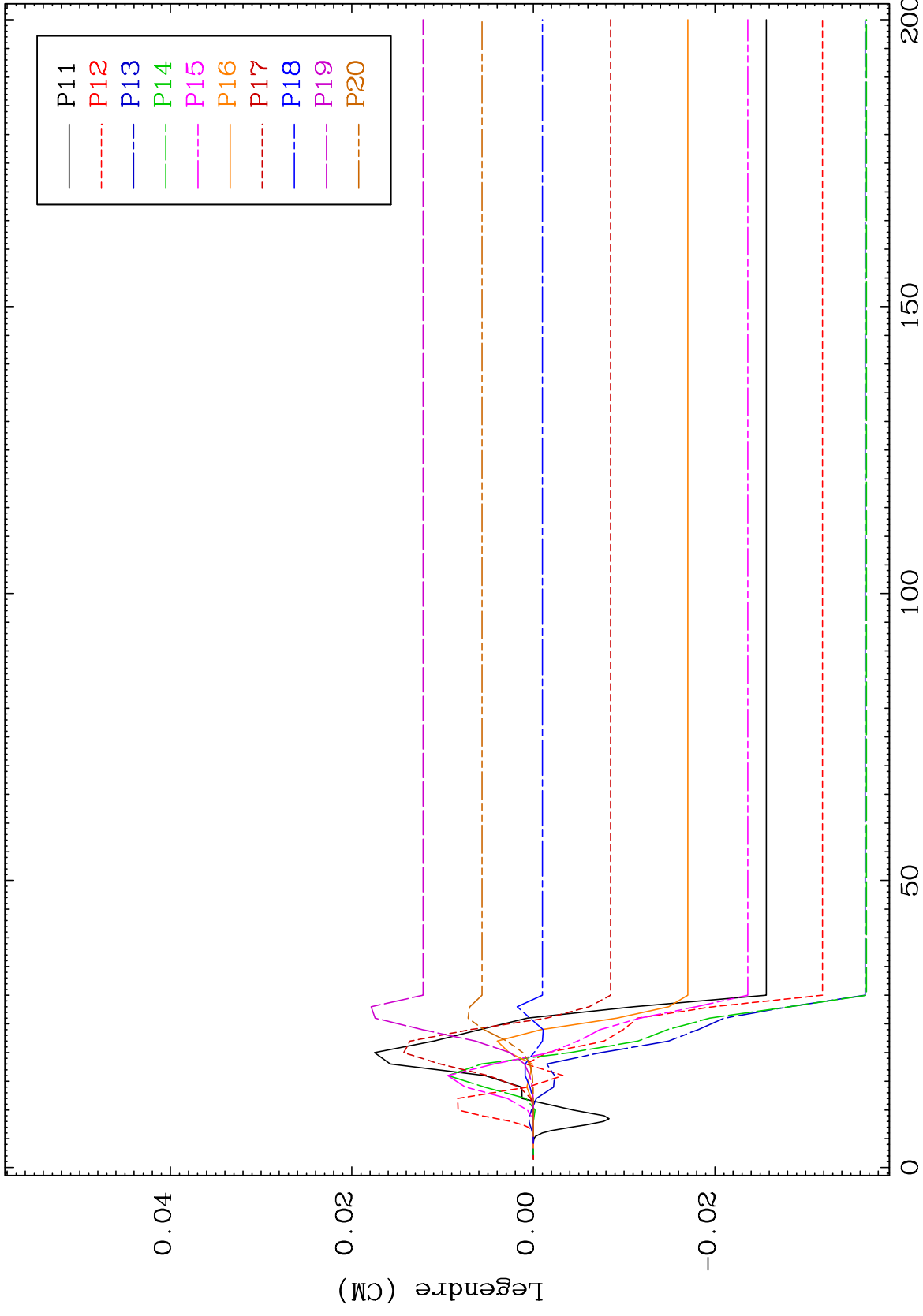
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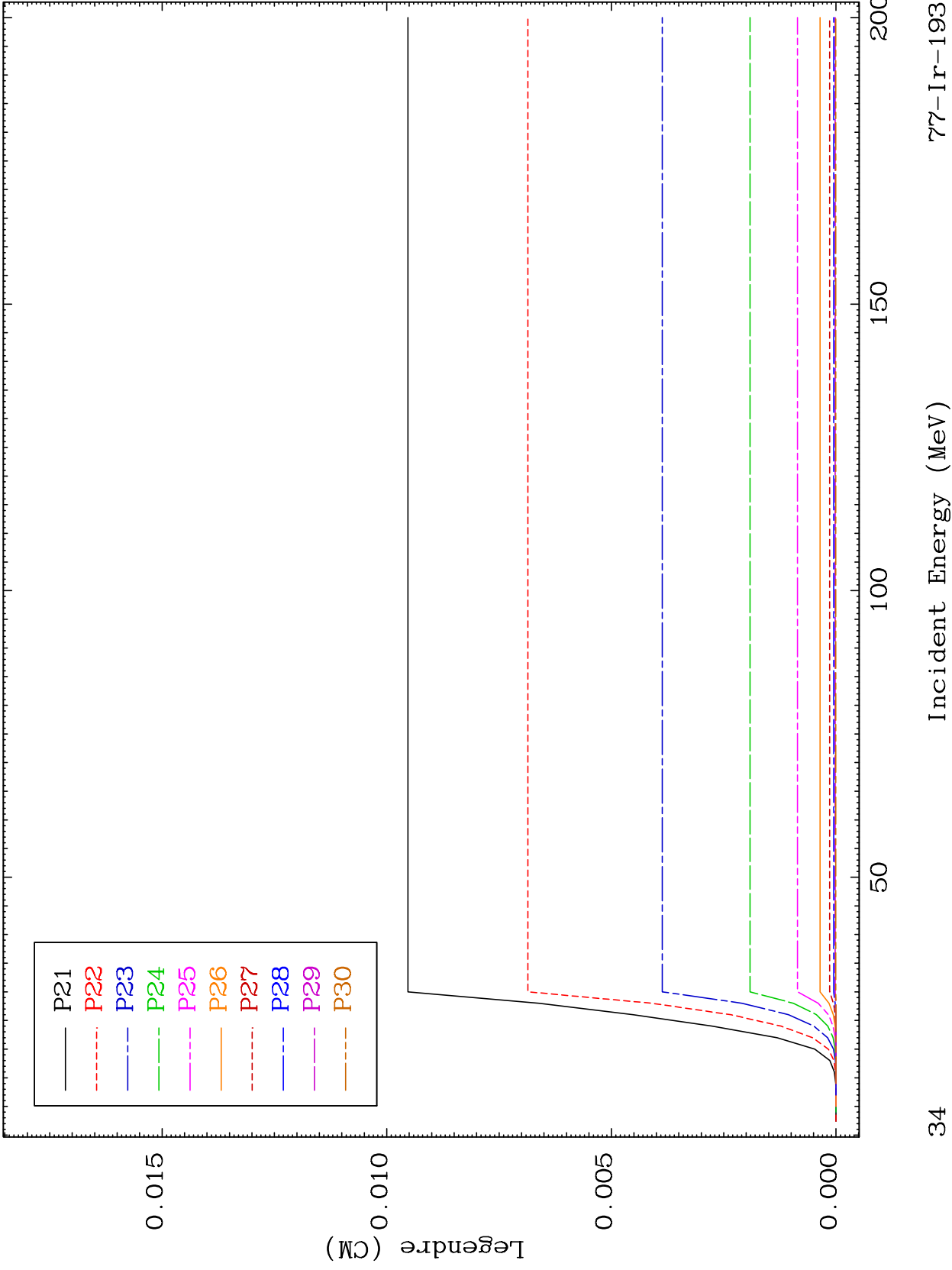


77-Ir-193

Incident Energy (MeV)

32

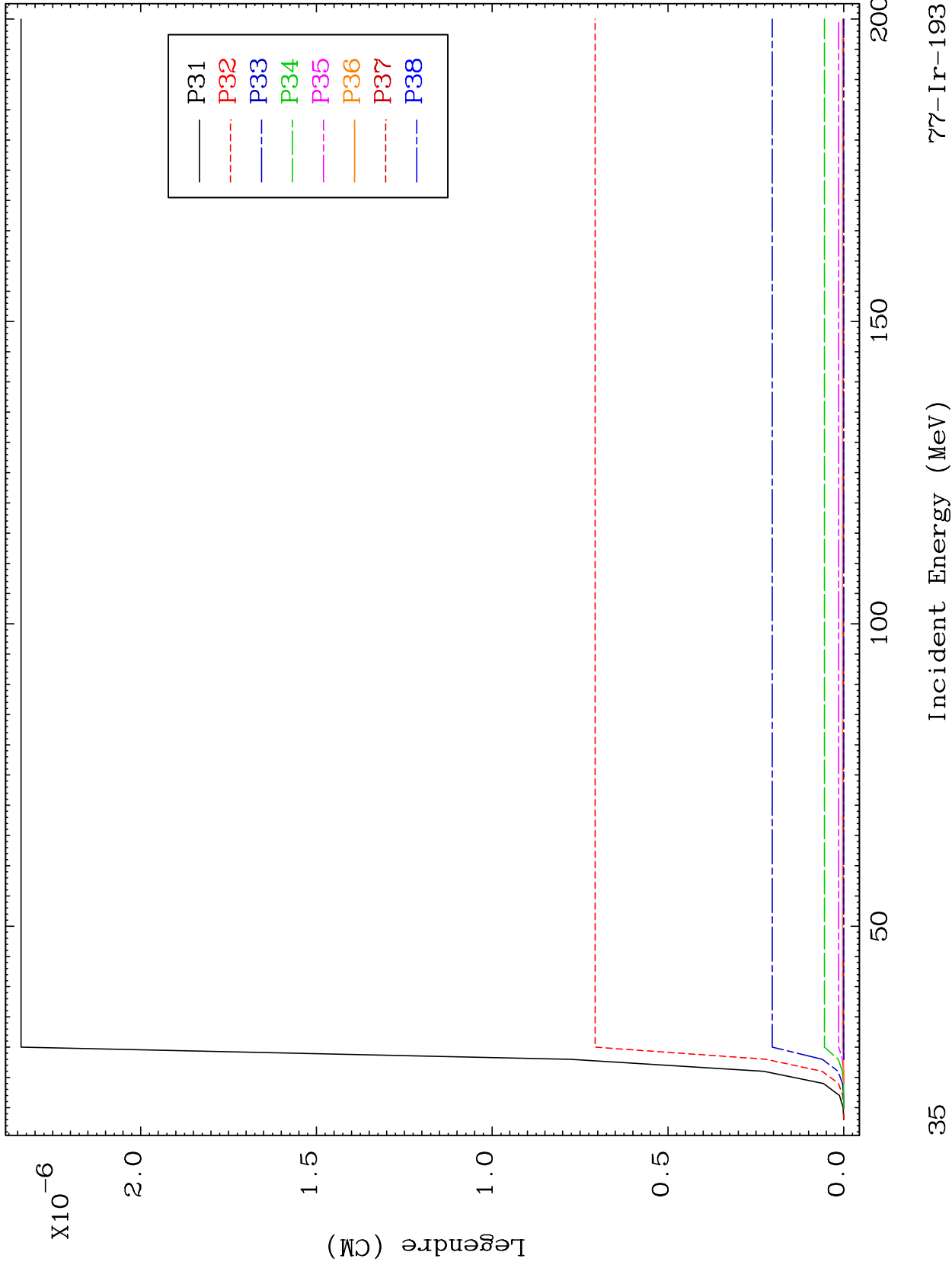




MAT 7731

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

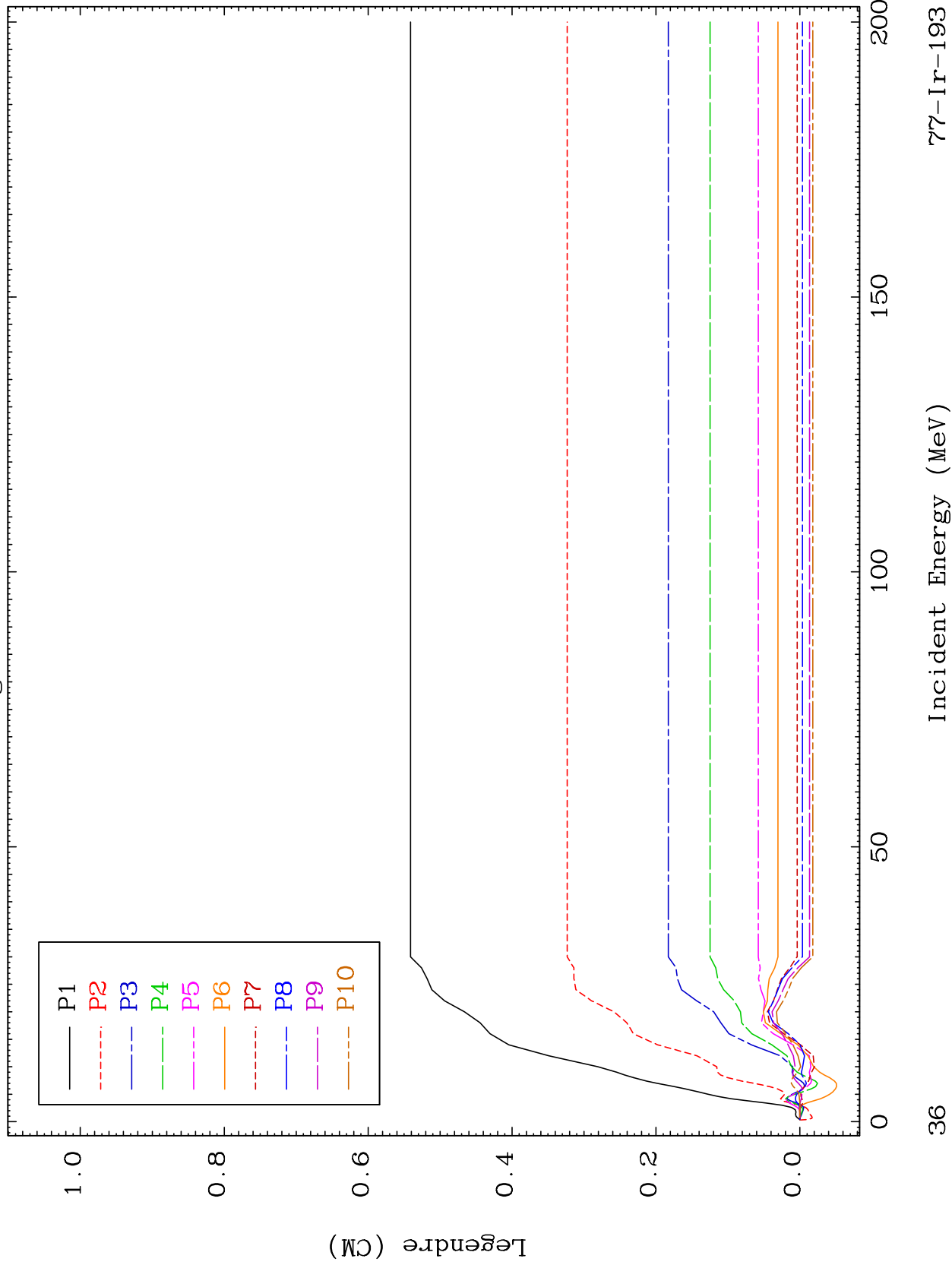
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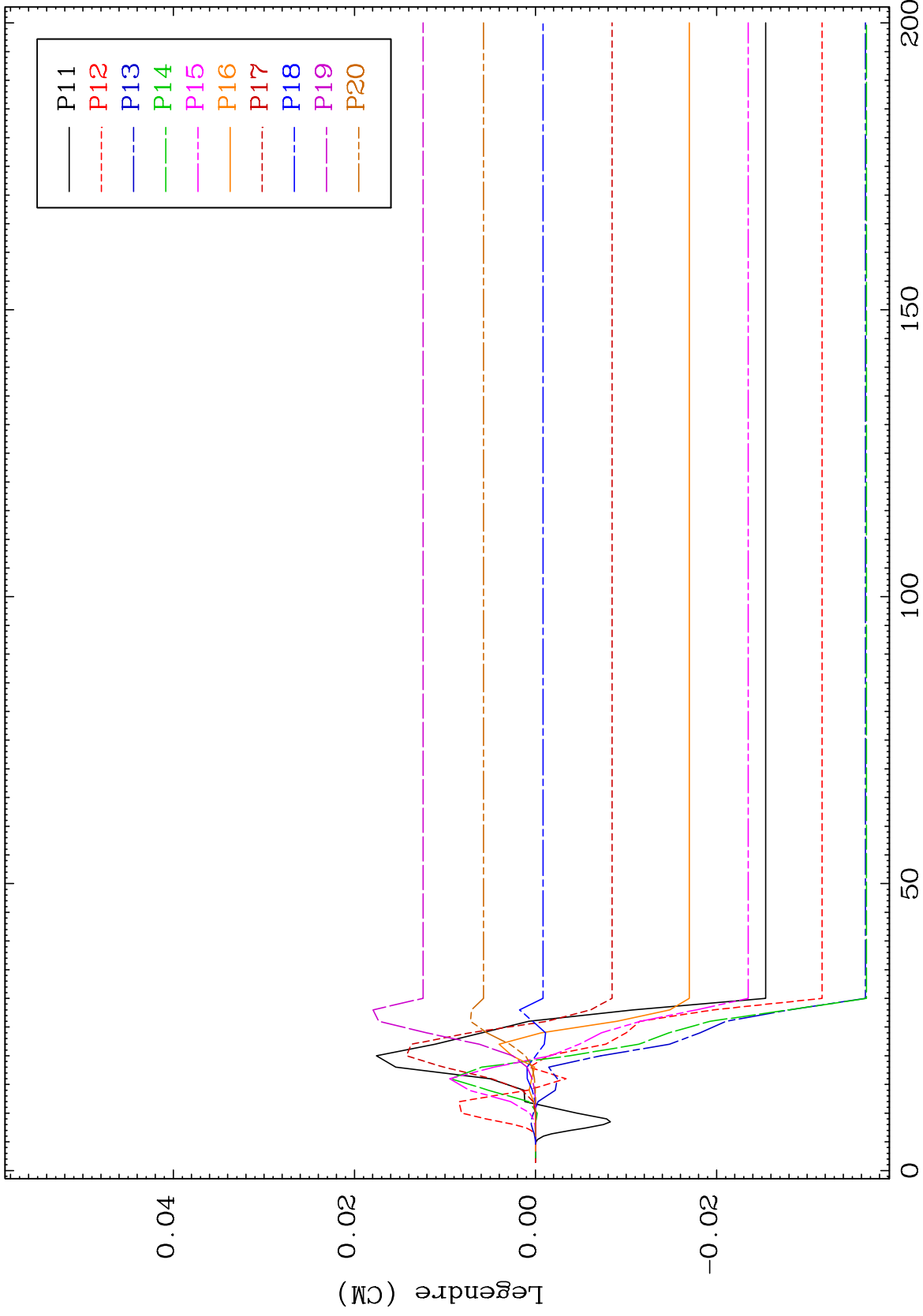


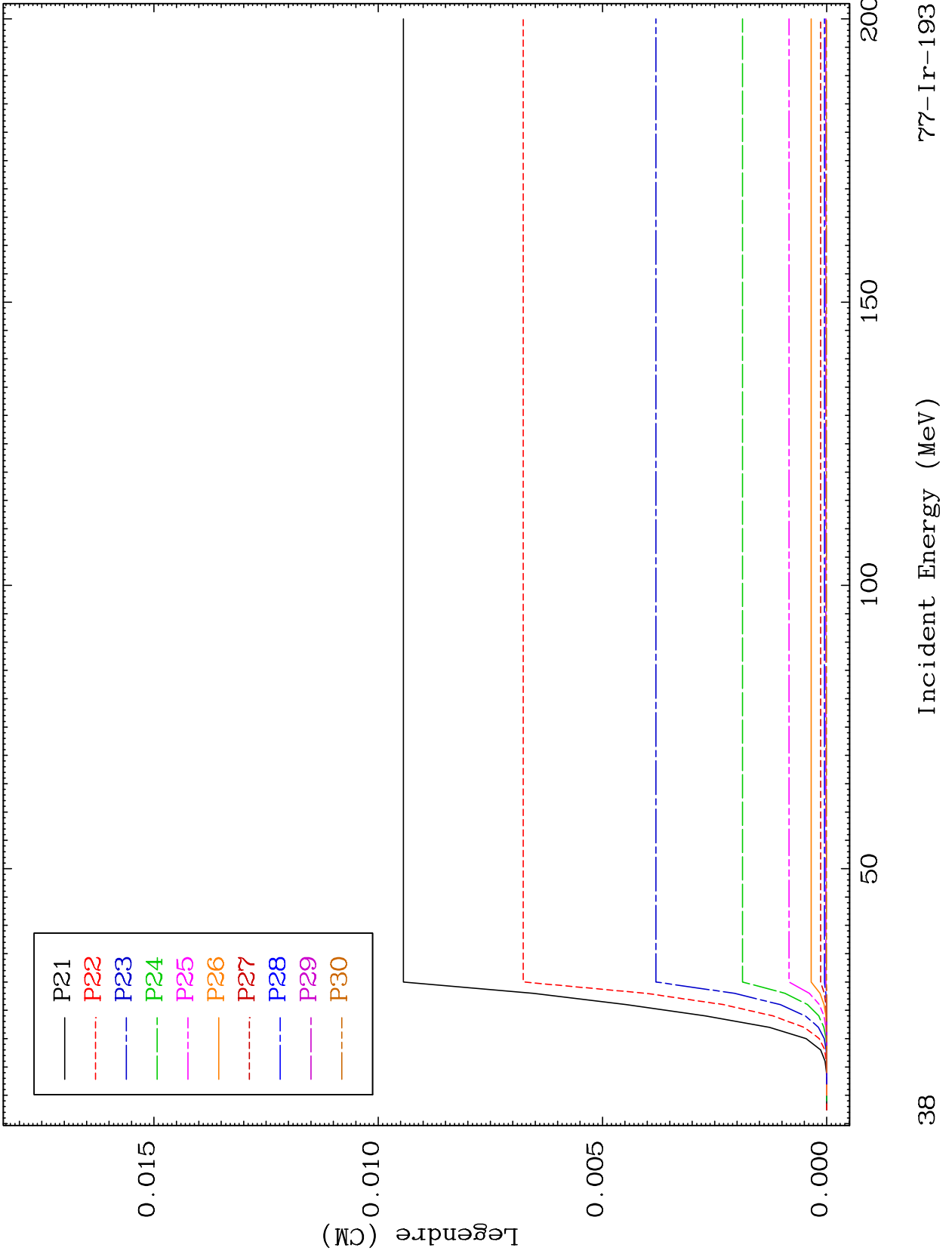
35

Incident Energy (MeV)

77-Ir-193



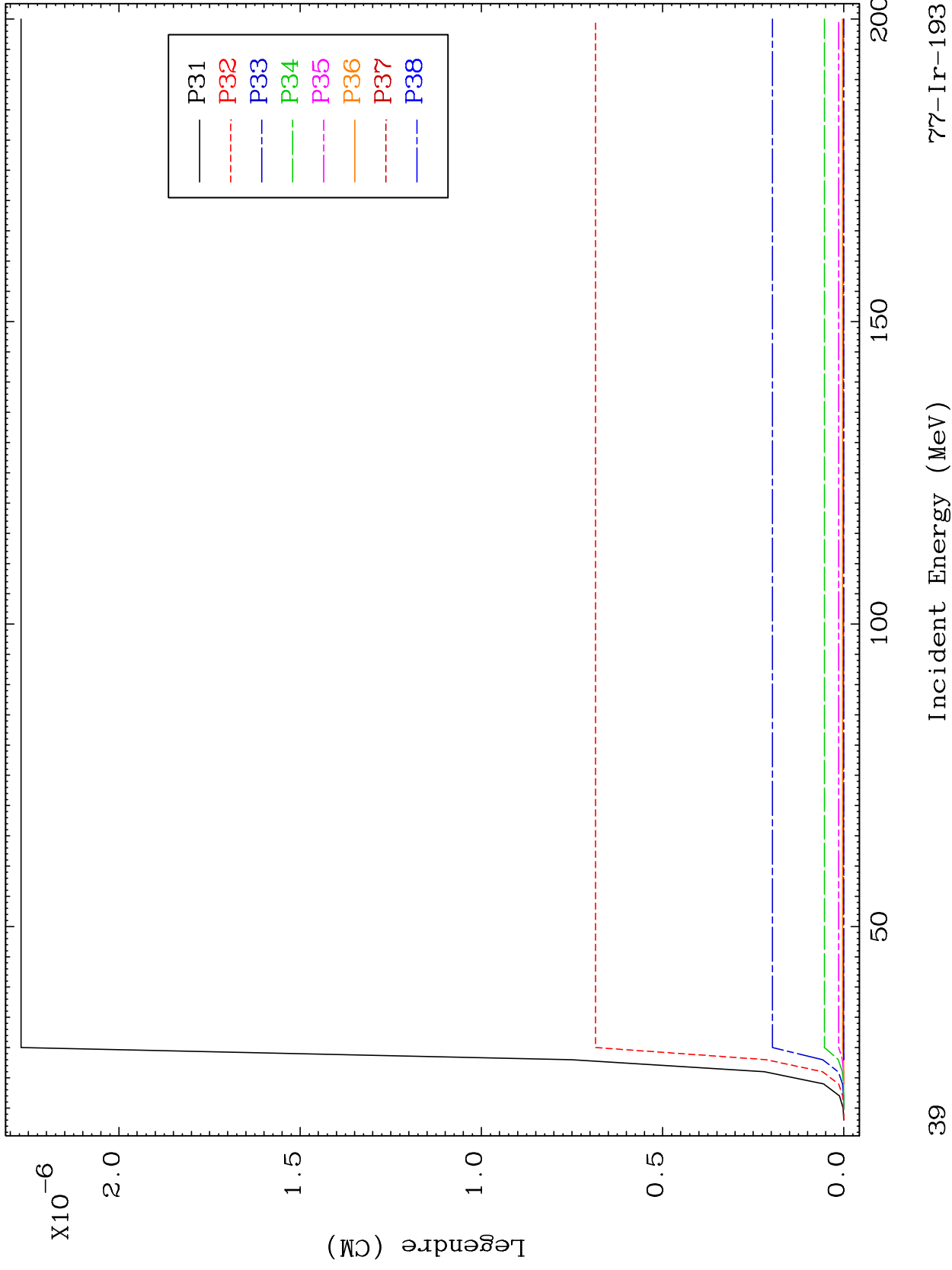




MAT 7731

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

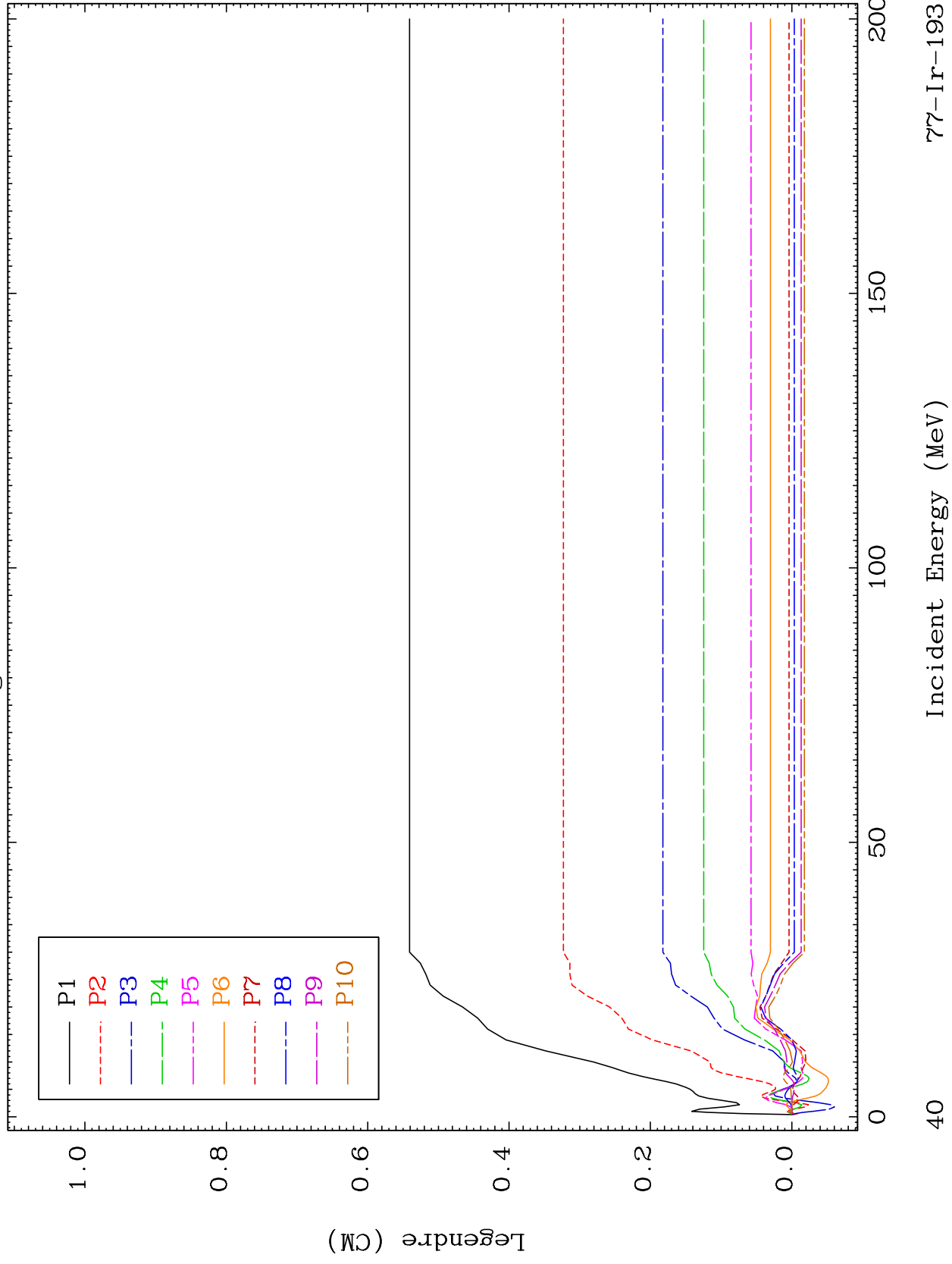
77-Ir-193



MAT 7731

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

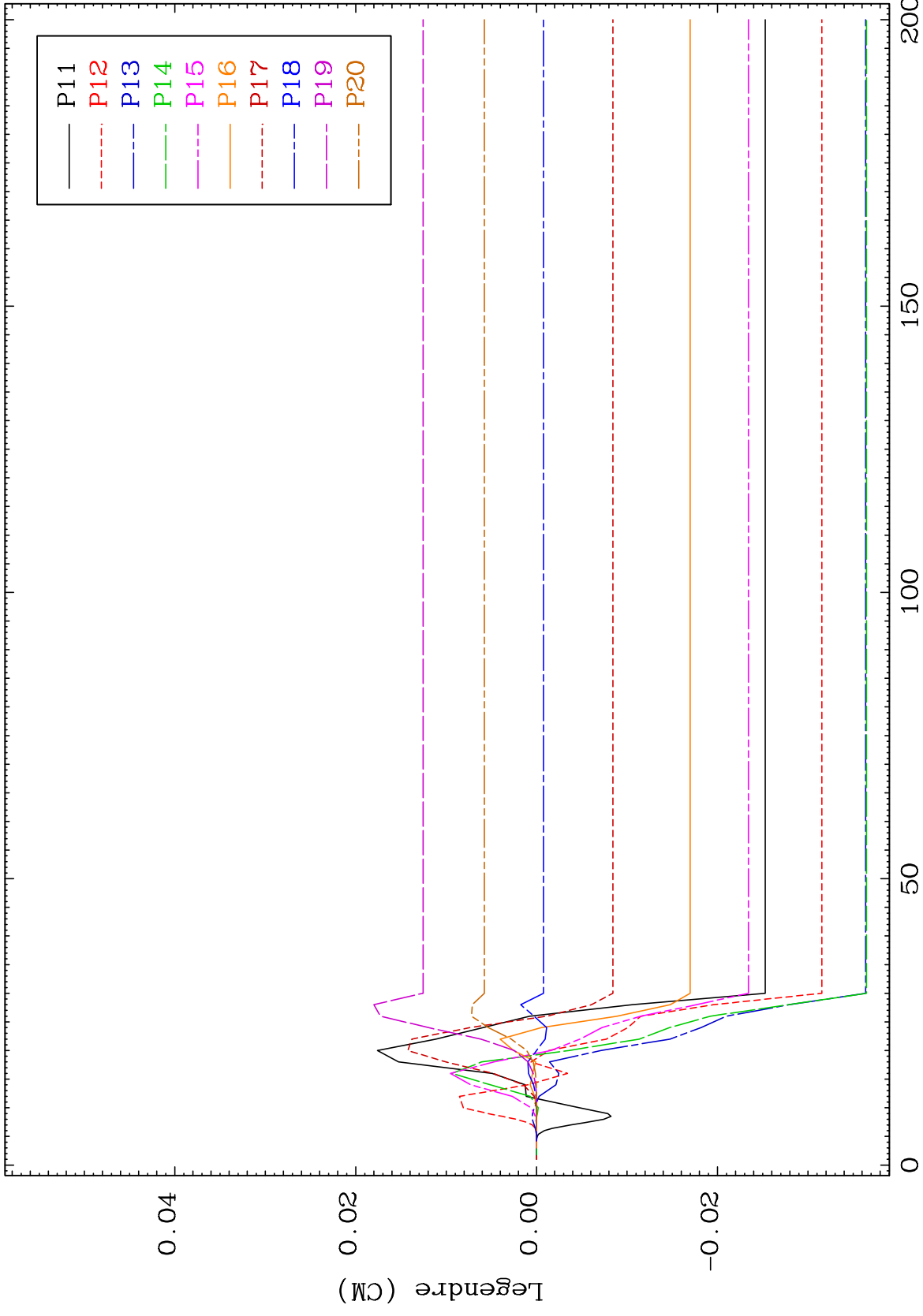
77-Ir-193



77-Ir-193

Incident Energy (MeV)

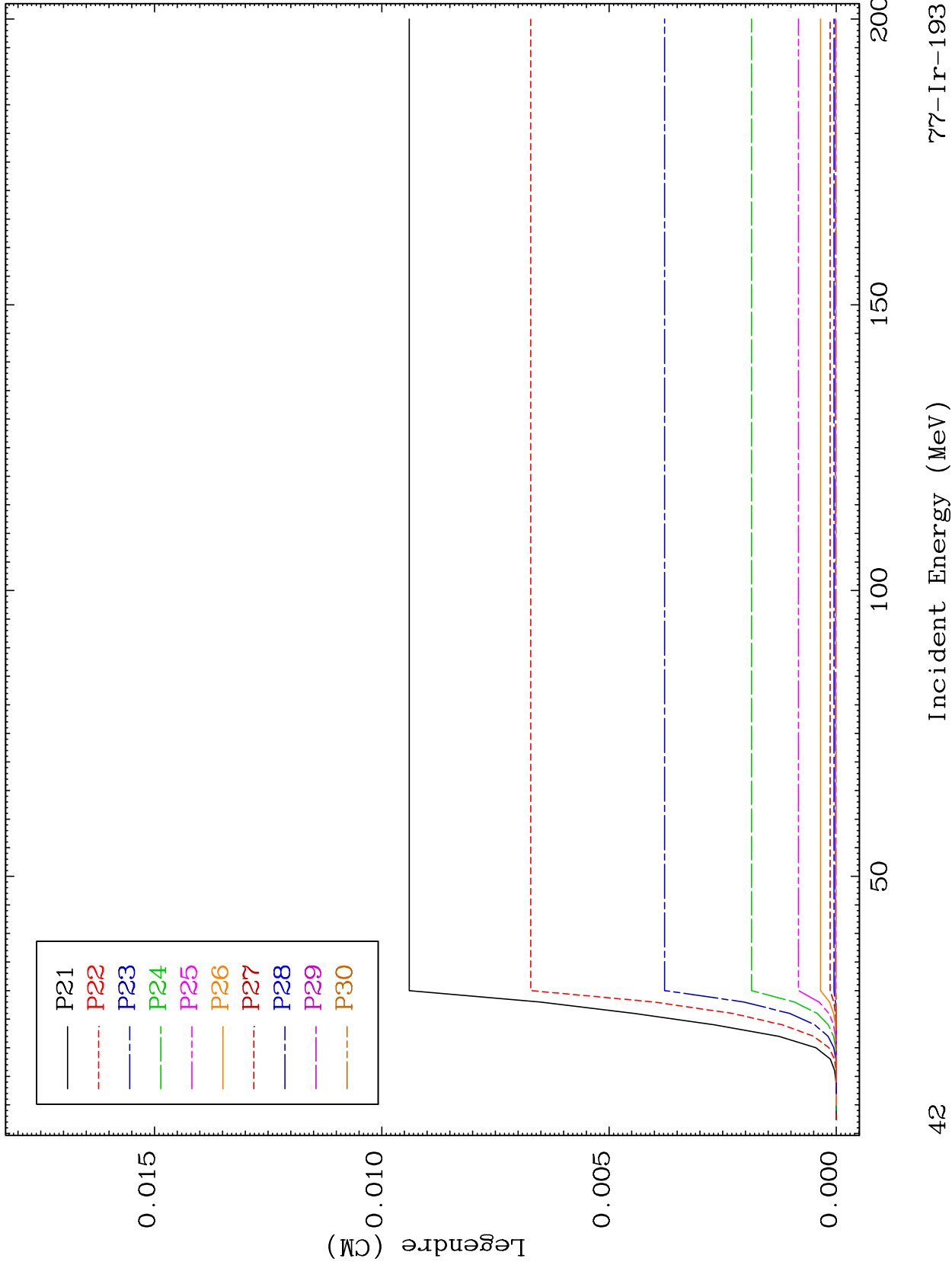
40



MAT 7731

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

77-Ir-193



42

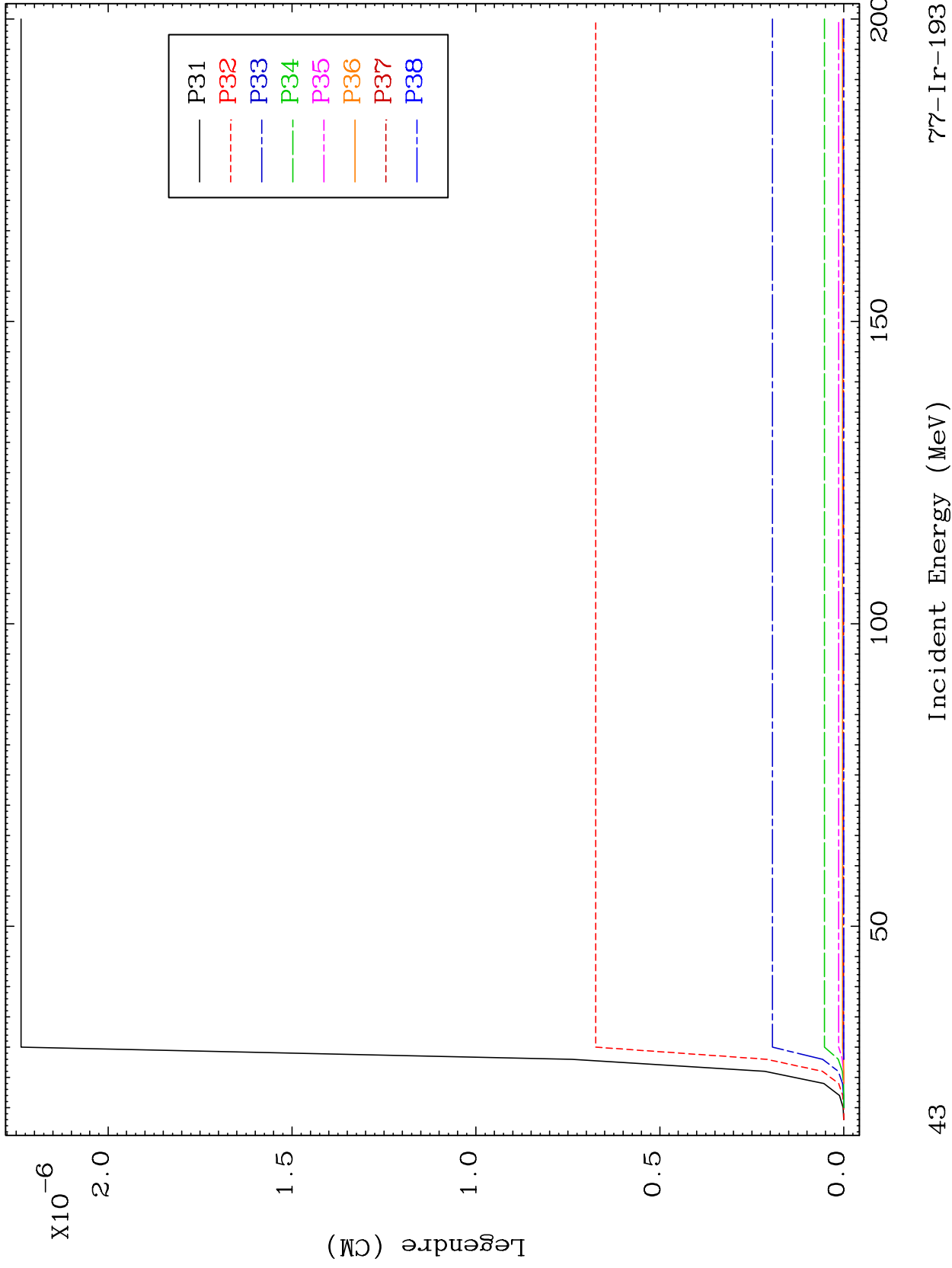
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

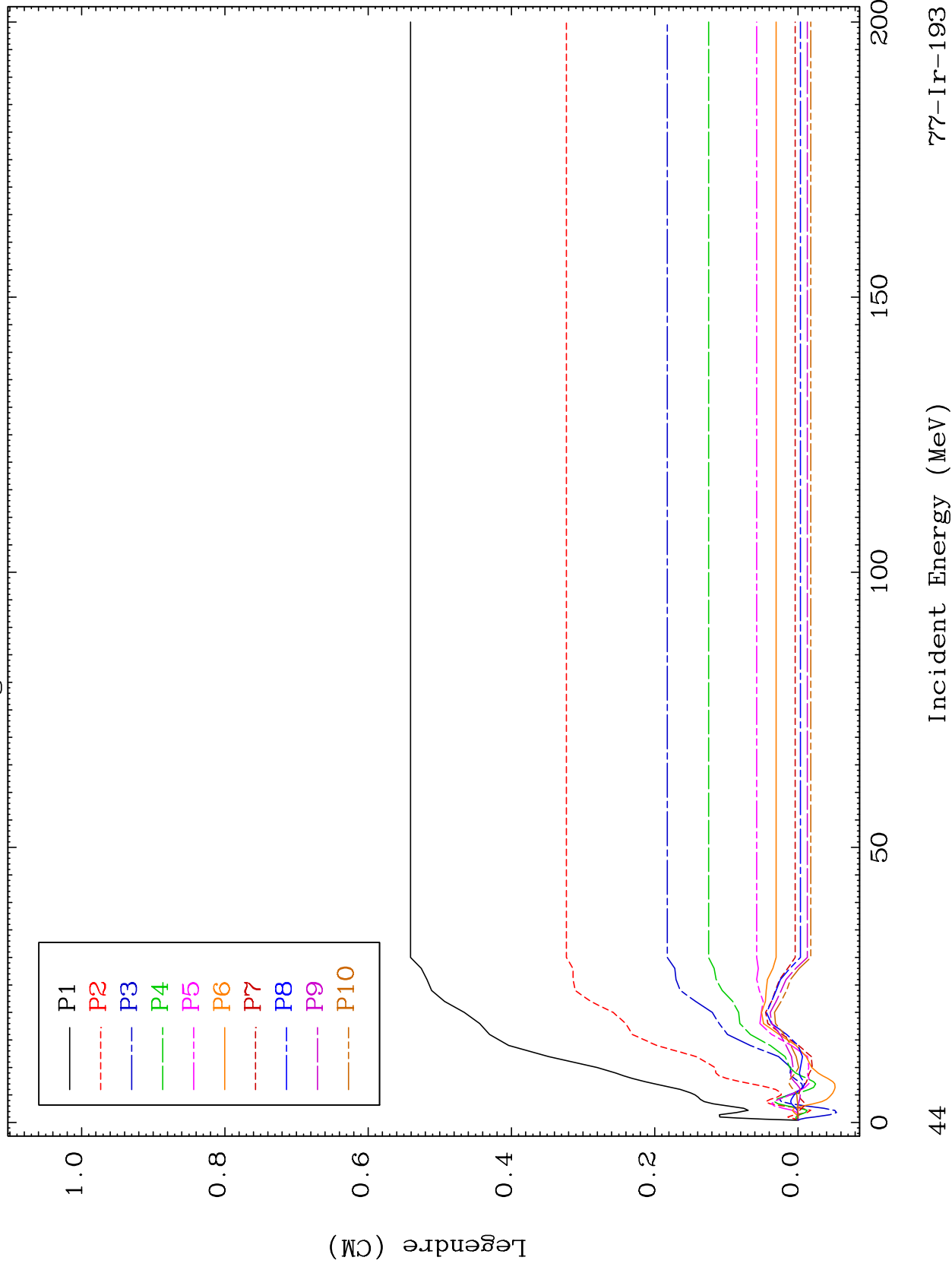
77-Ir-193



43

Incident Energy (MeV)

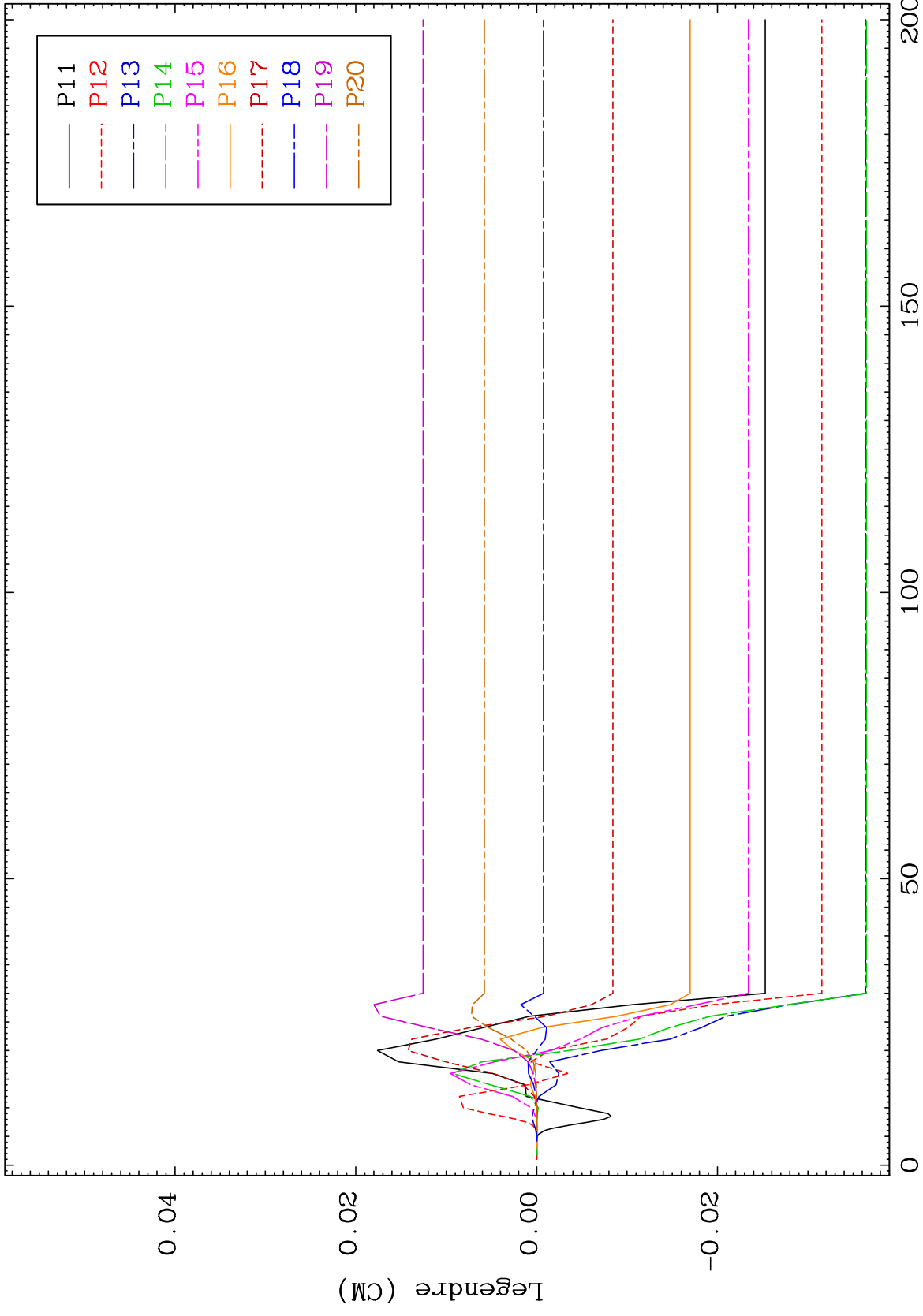
77-Ir-193



MAT 7731

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

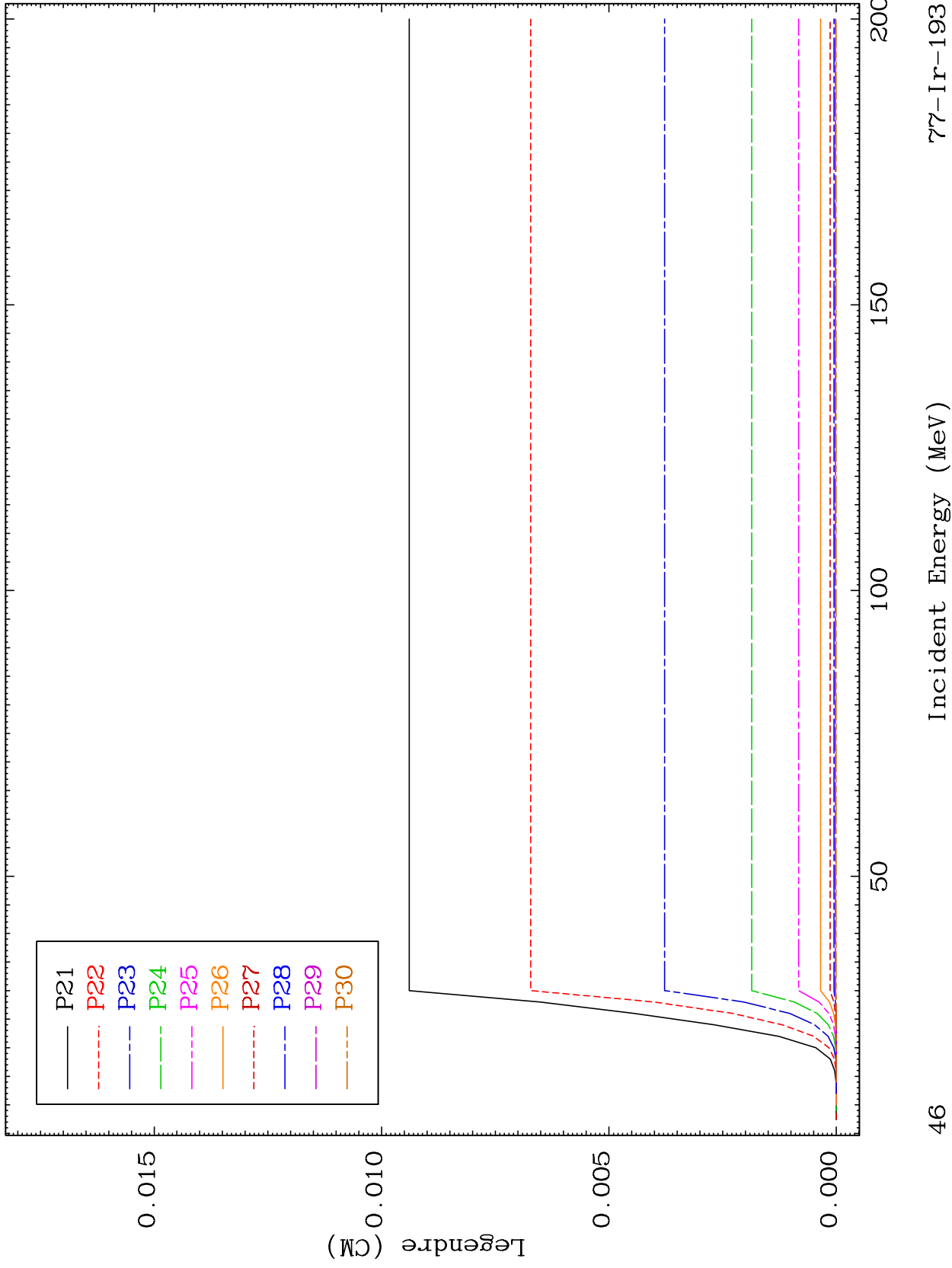
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45

Incident Energy (MeV)

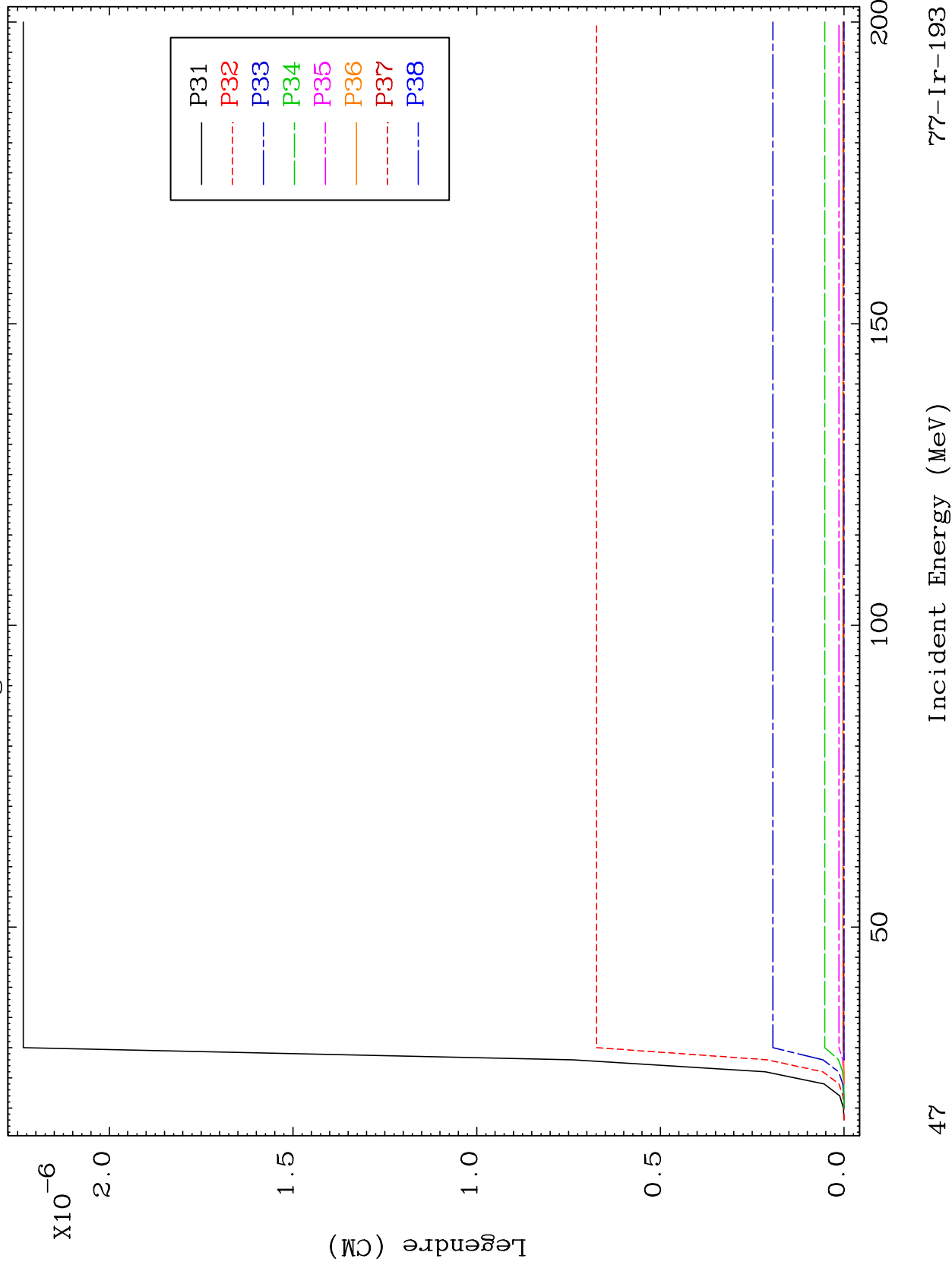
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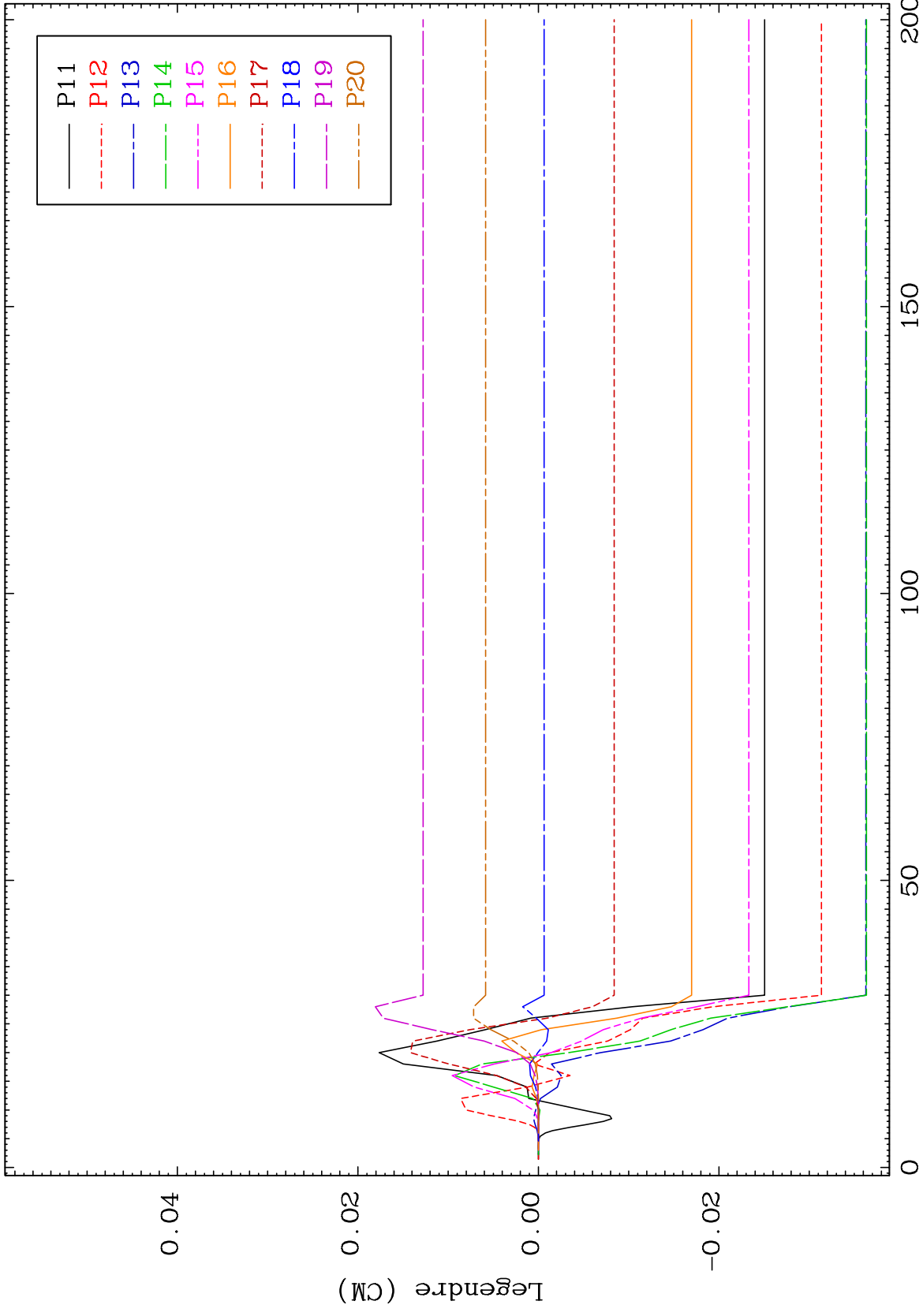


MAT 7731

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

77-Ir-193

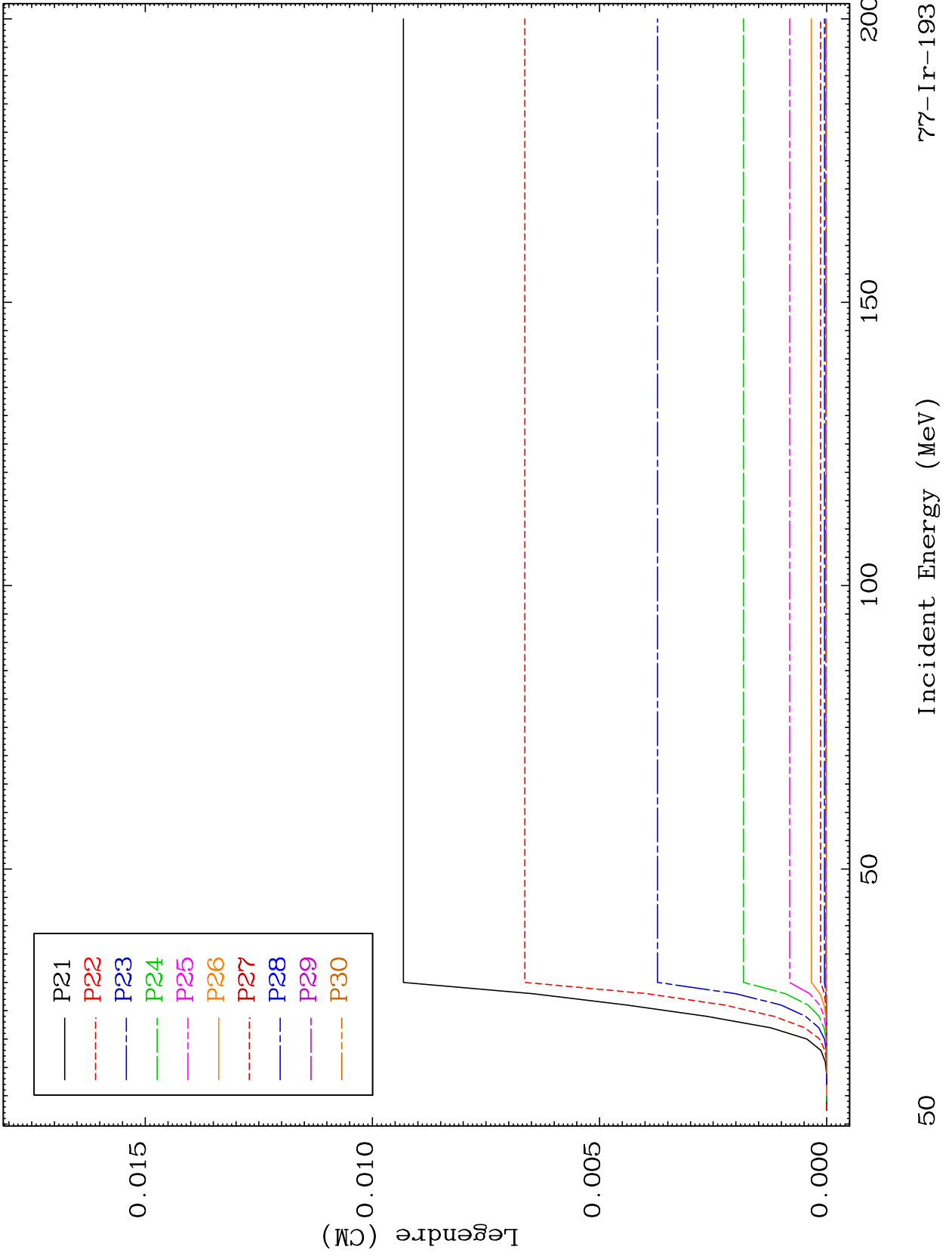




MAT 7731

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

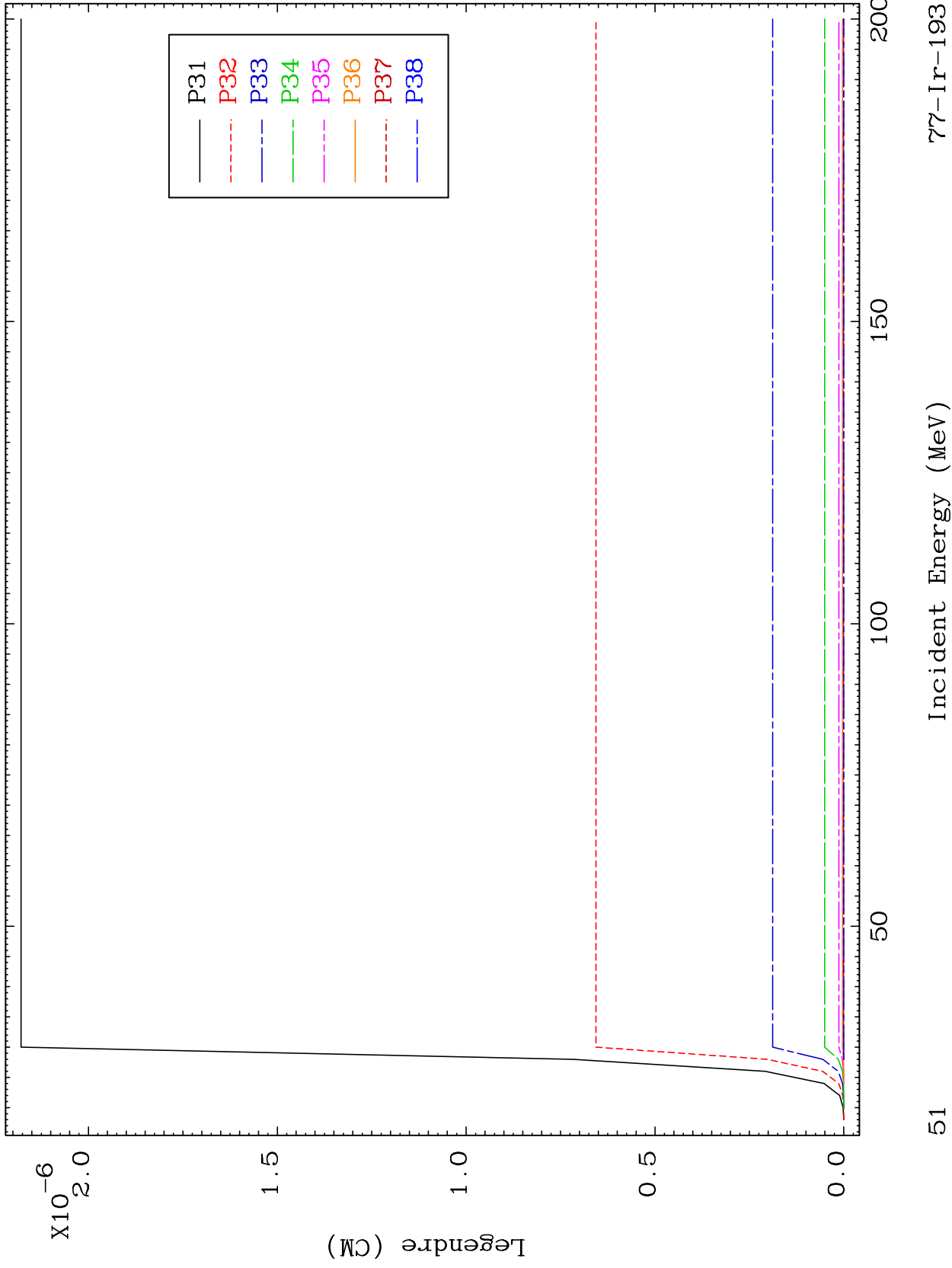
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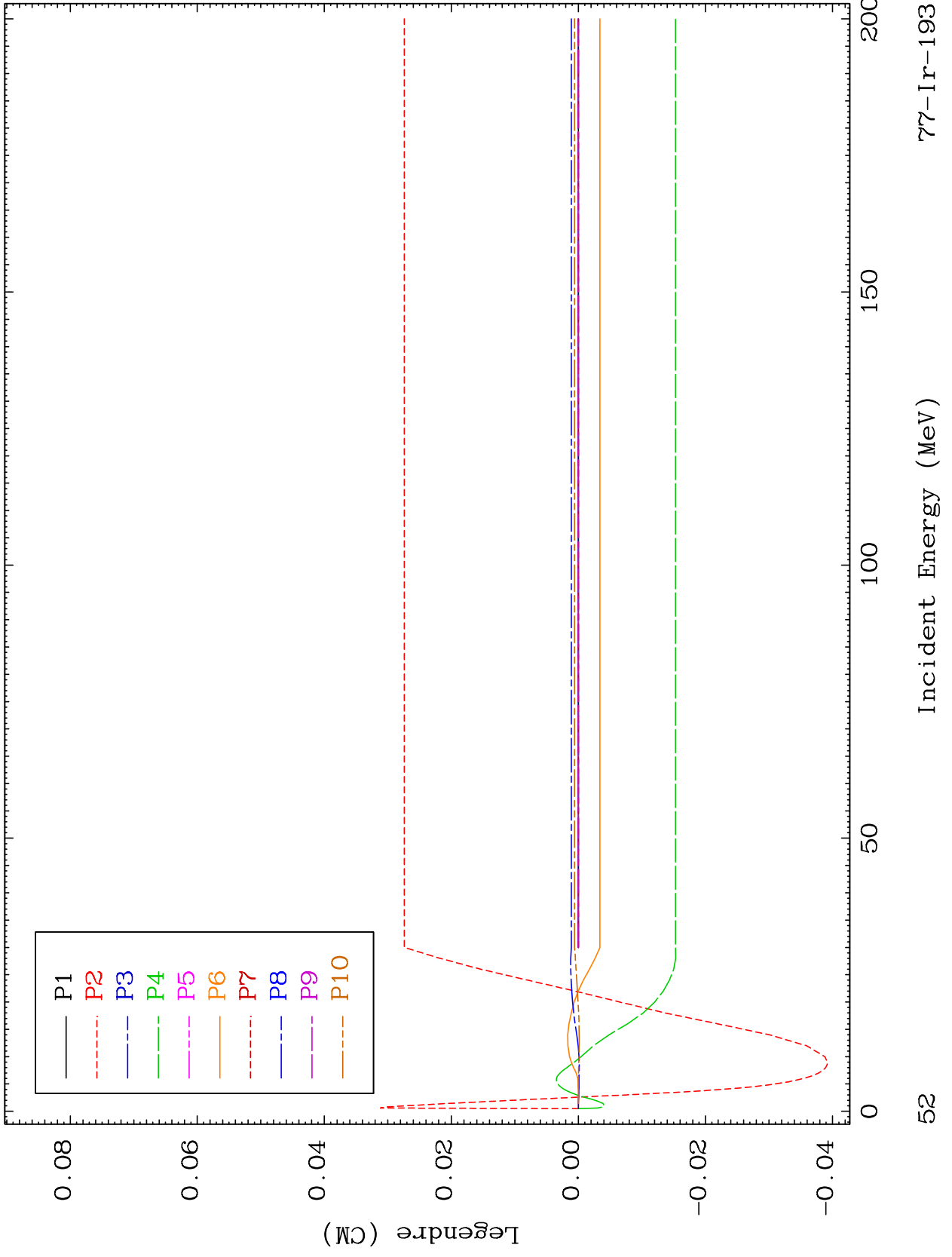


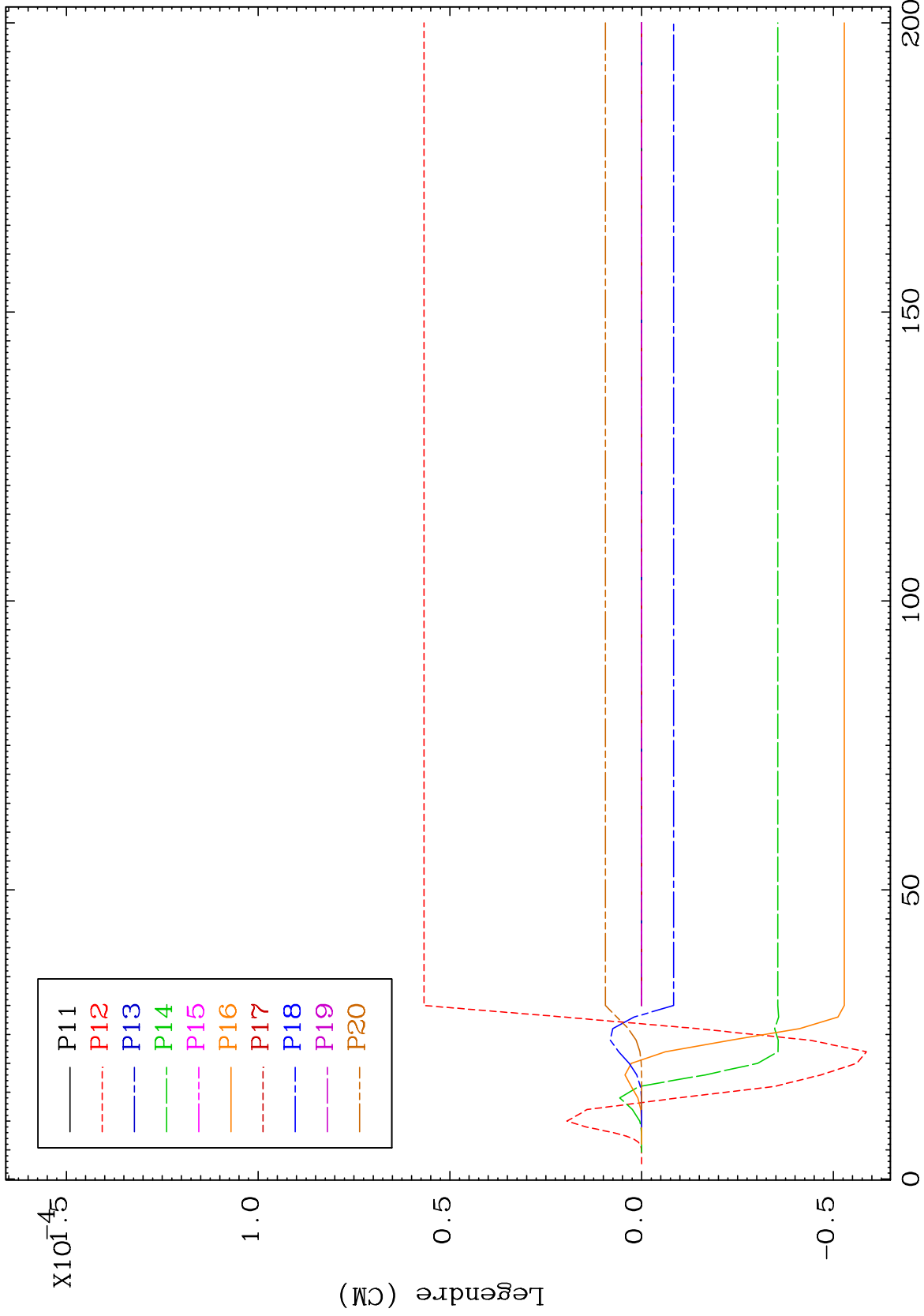
77-Ir-193

Incident Energy (MeV)

50



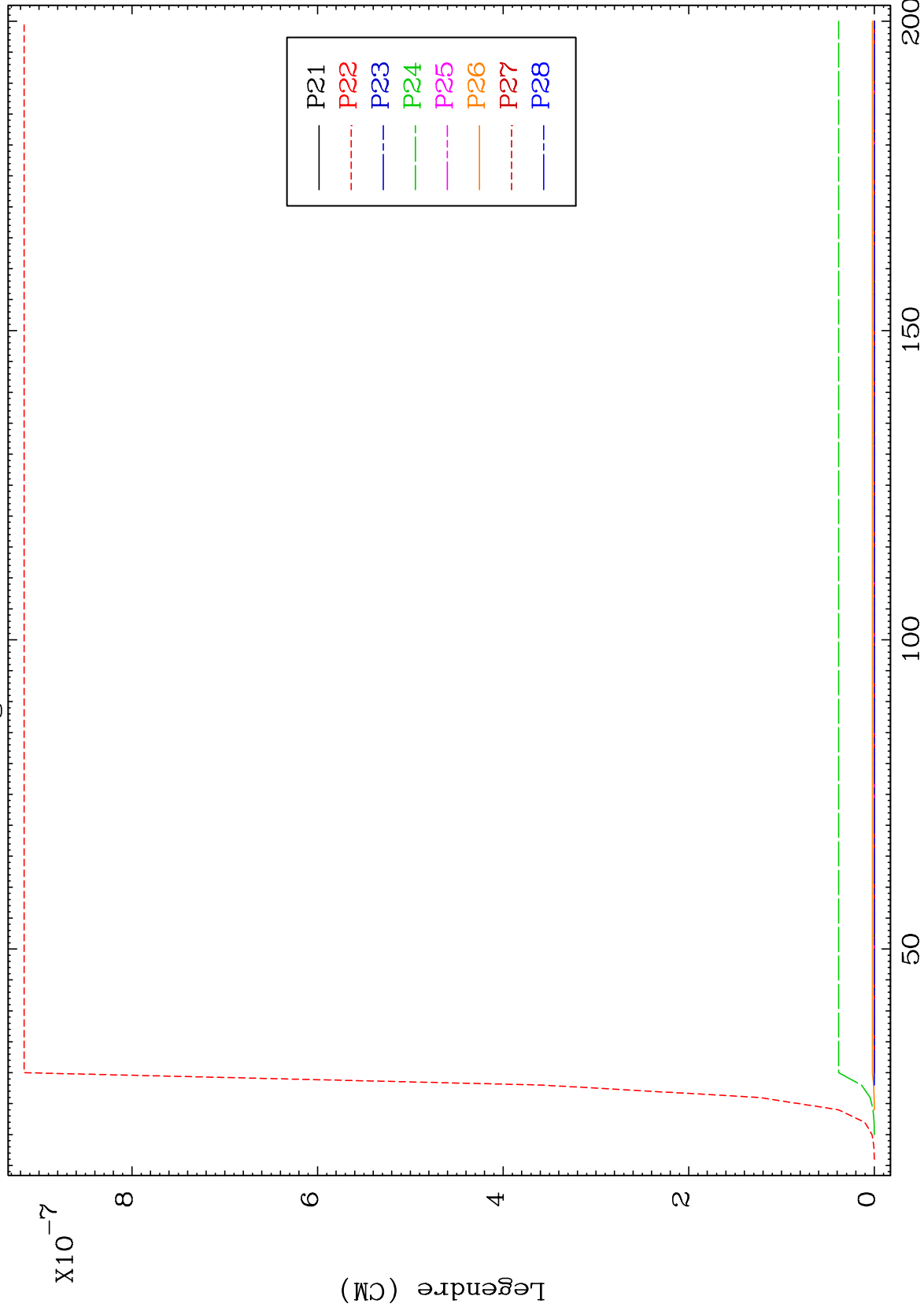




MAT 7731

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

77-Ir-193



54

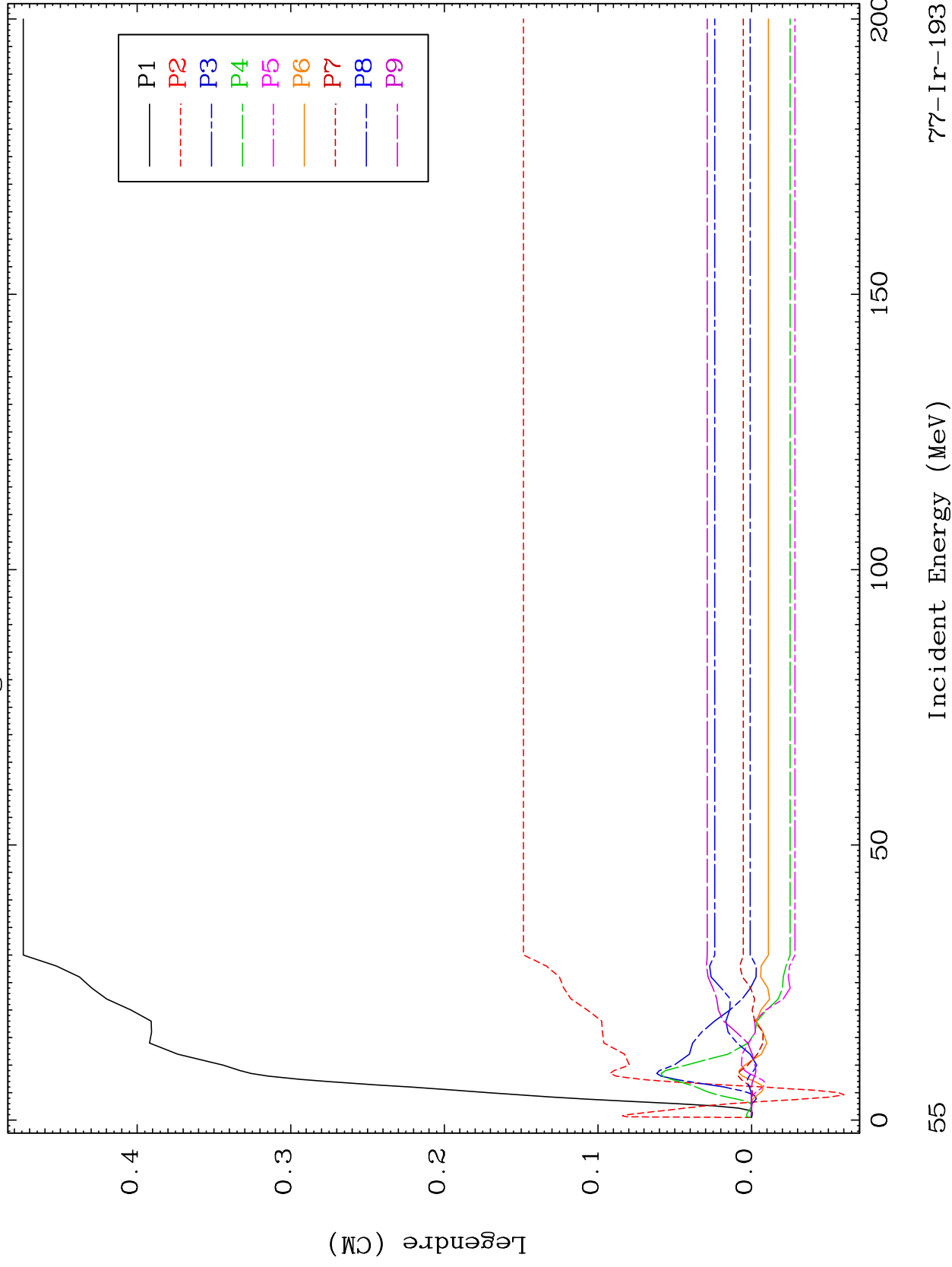
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

77-Ir-193



77-Ir-193

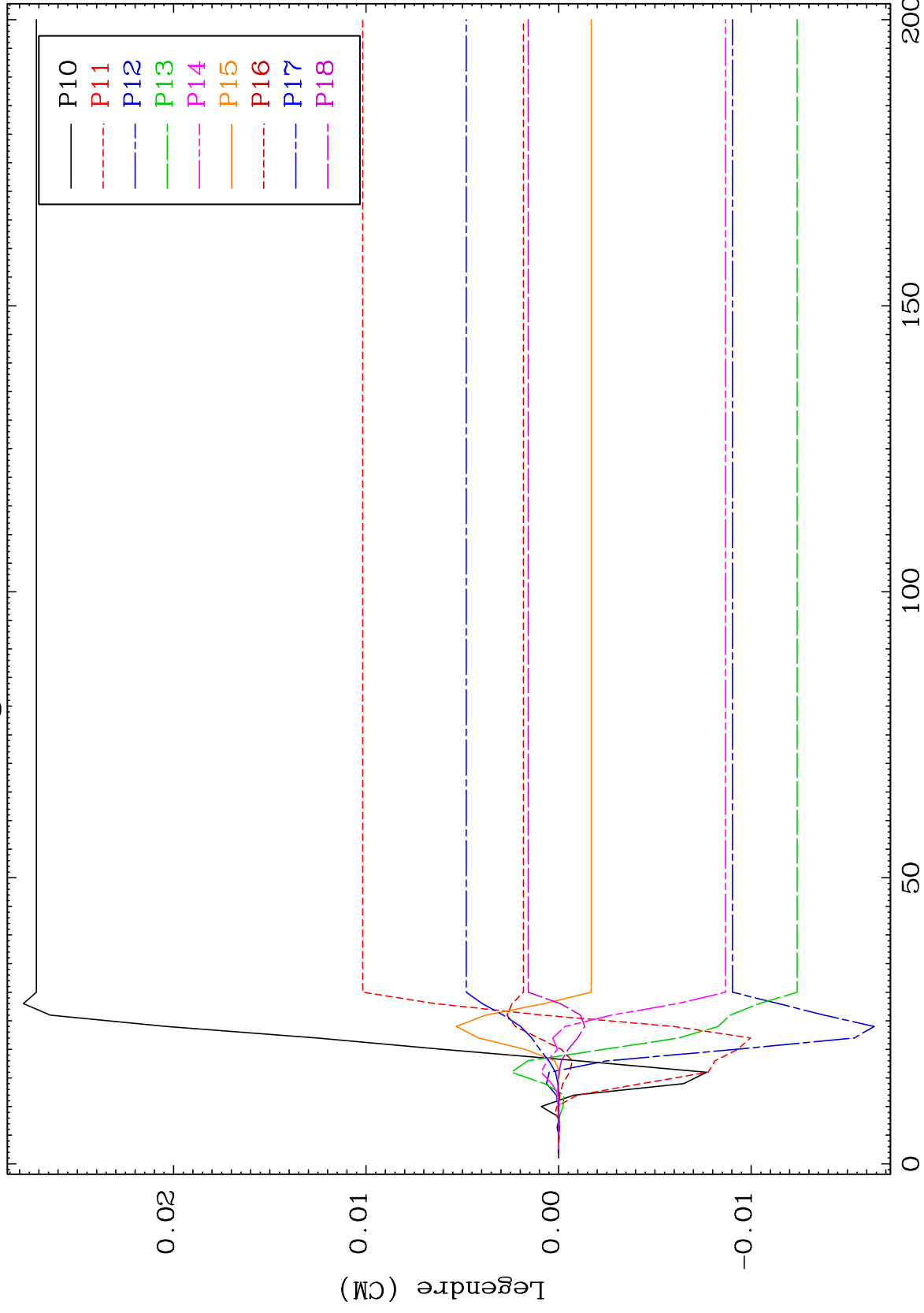
Incident Energy (MeV)

55

MAT 7731

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

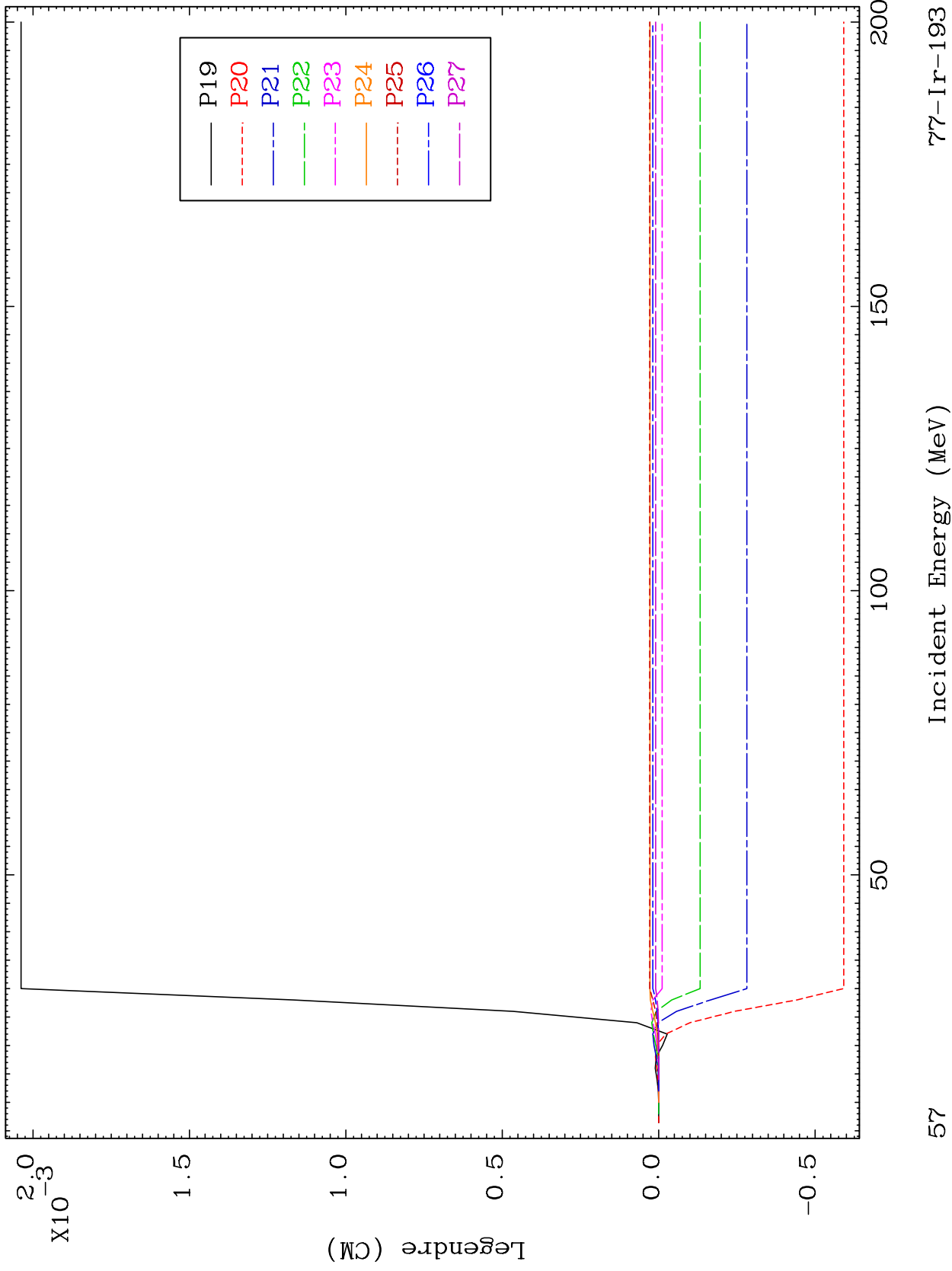
77-Ir-193



56

Incident Energy (MeV)

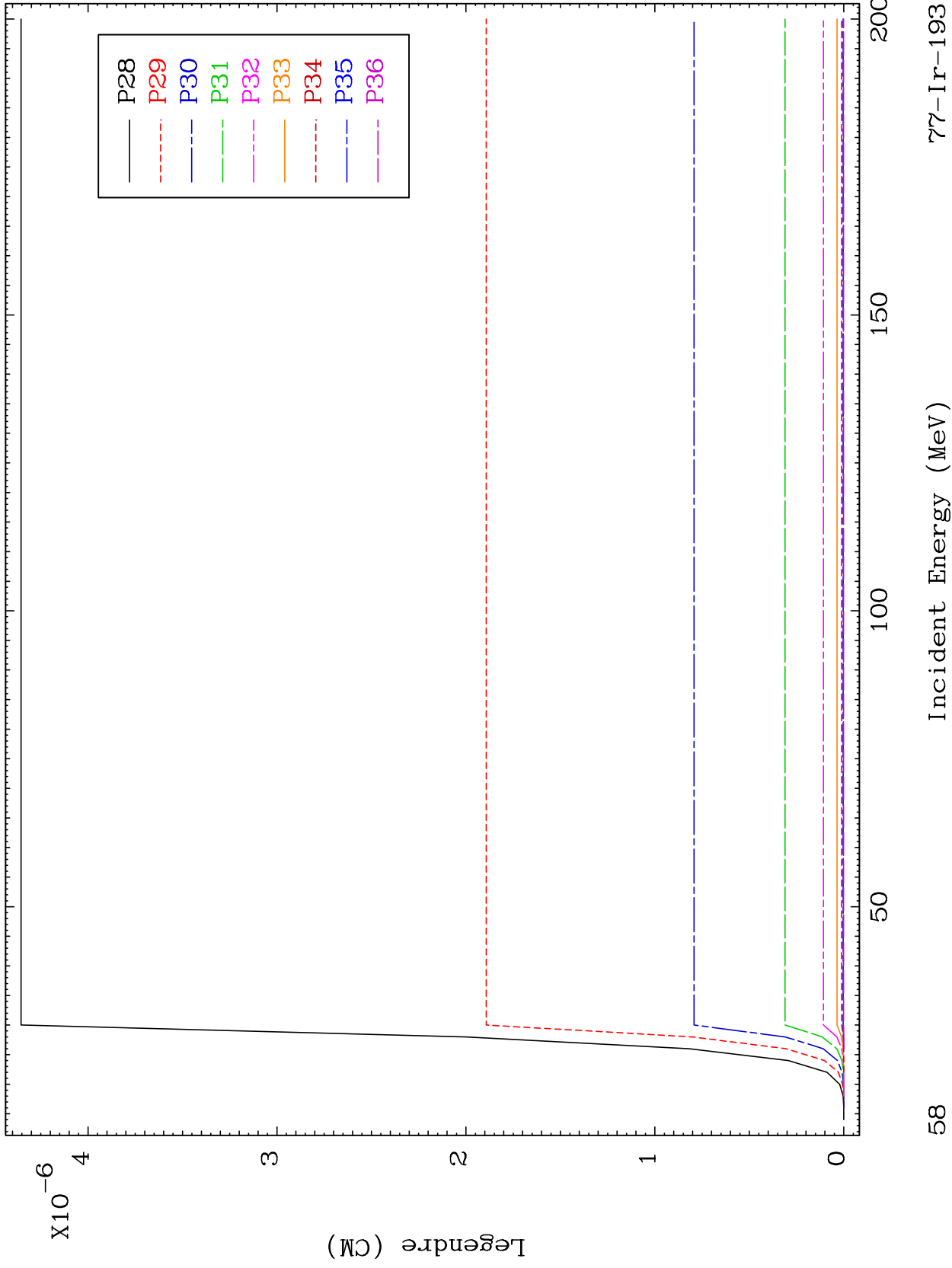
77-Ir-193



MAT 7731

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

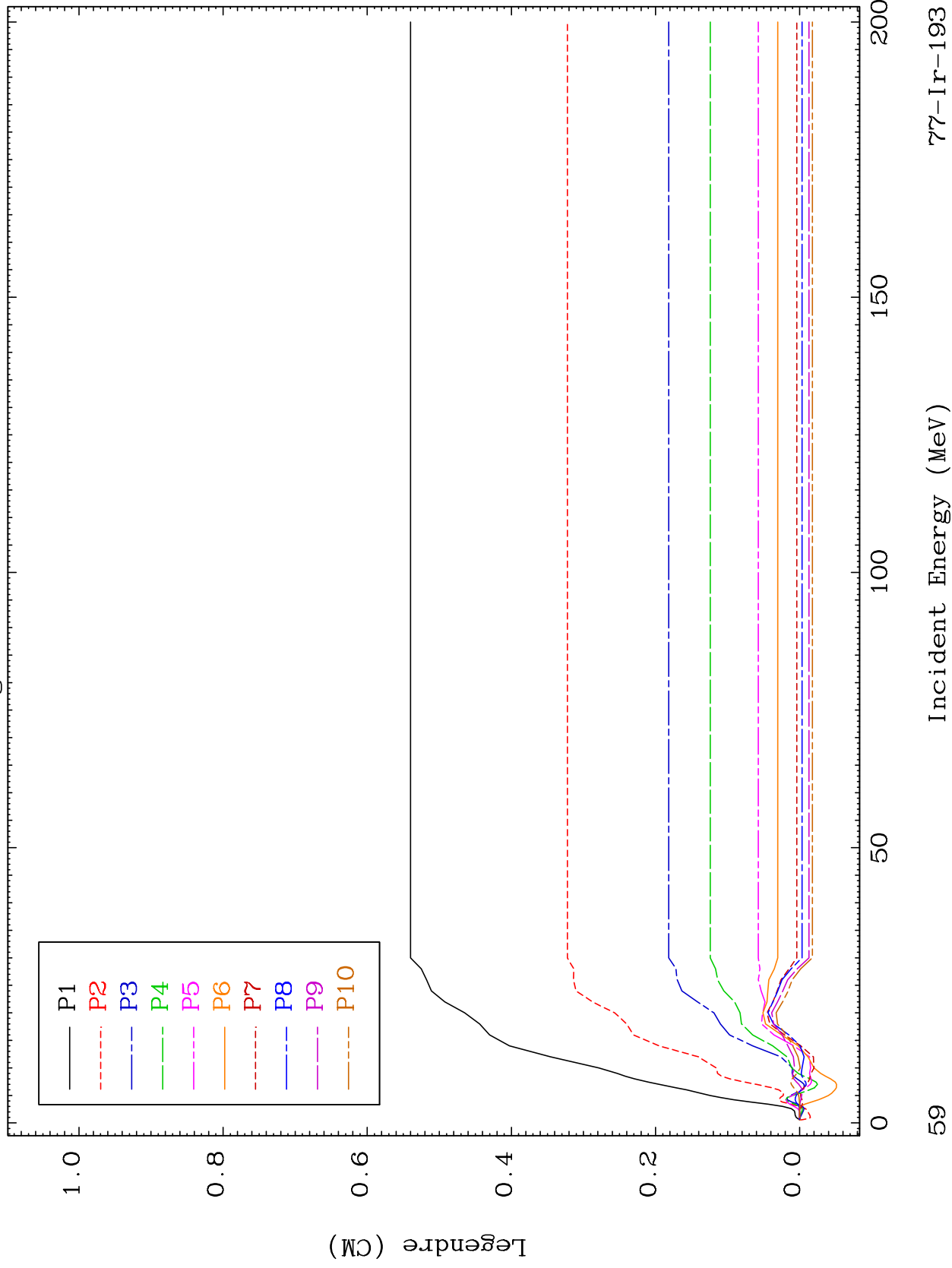
77-Ir-193



58

Incident Energy (MeV)

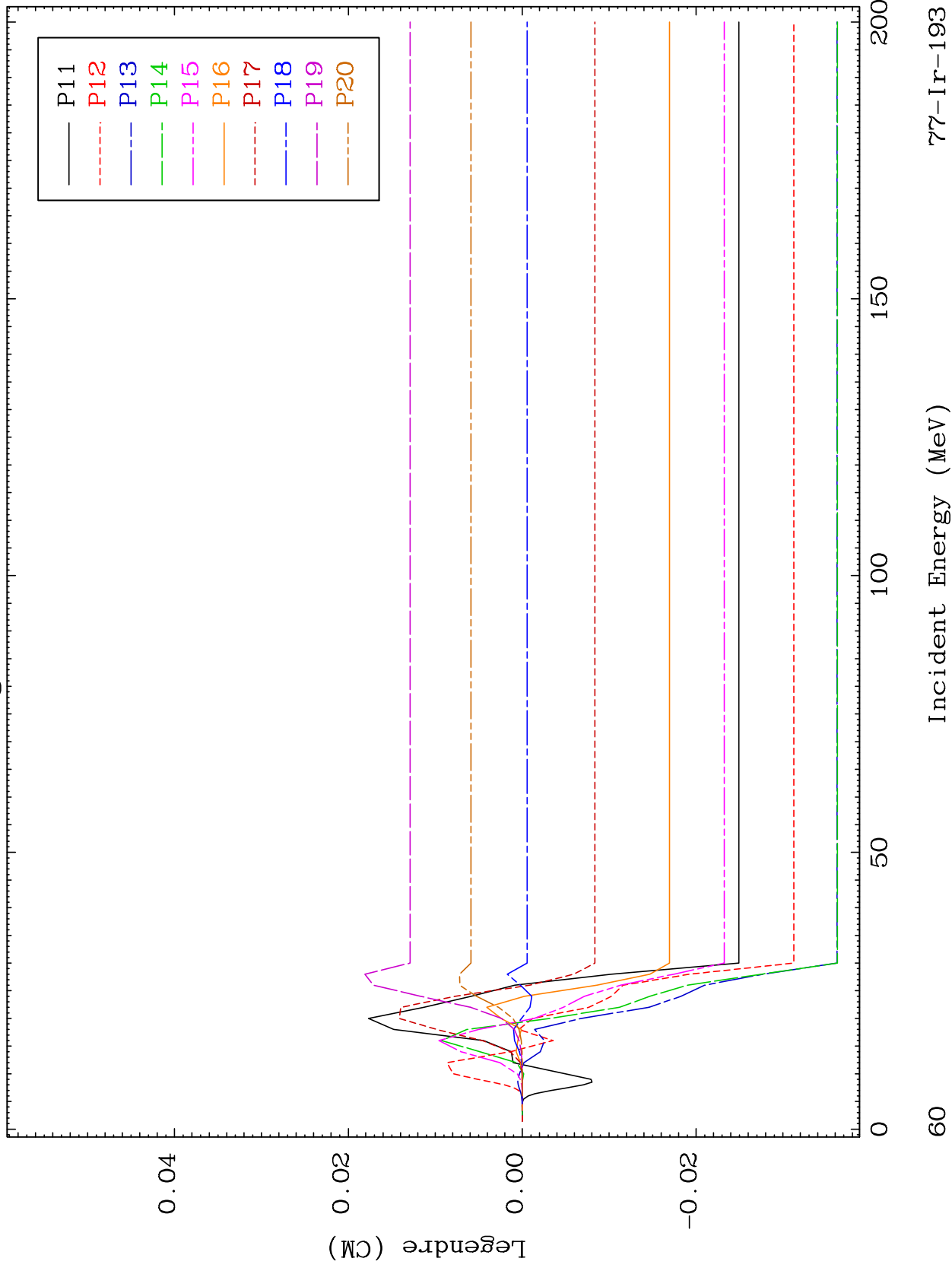
77-Ir-193



MAT 7731

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

77-Ir-193



77-Ir-193

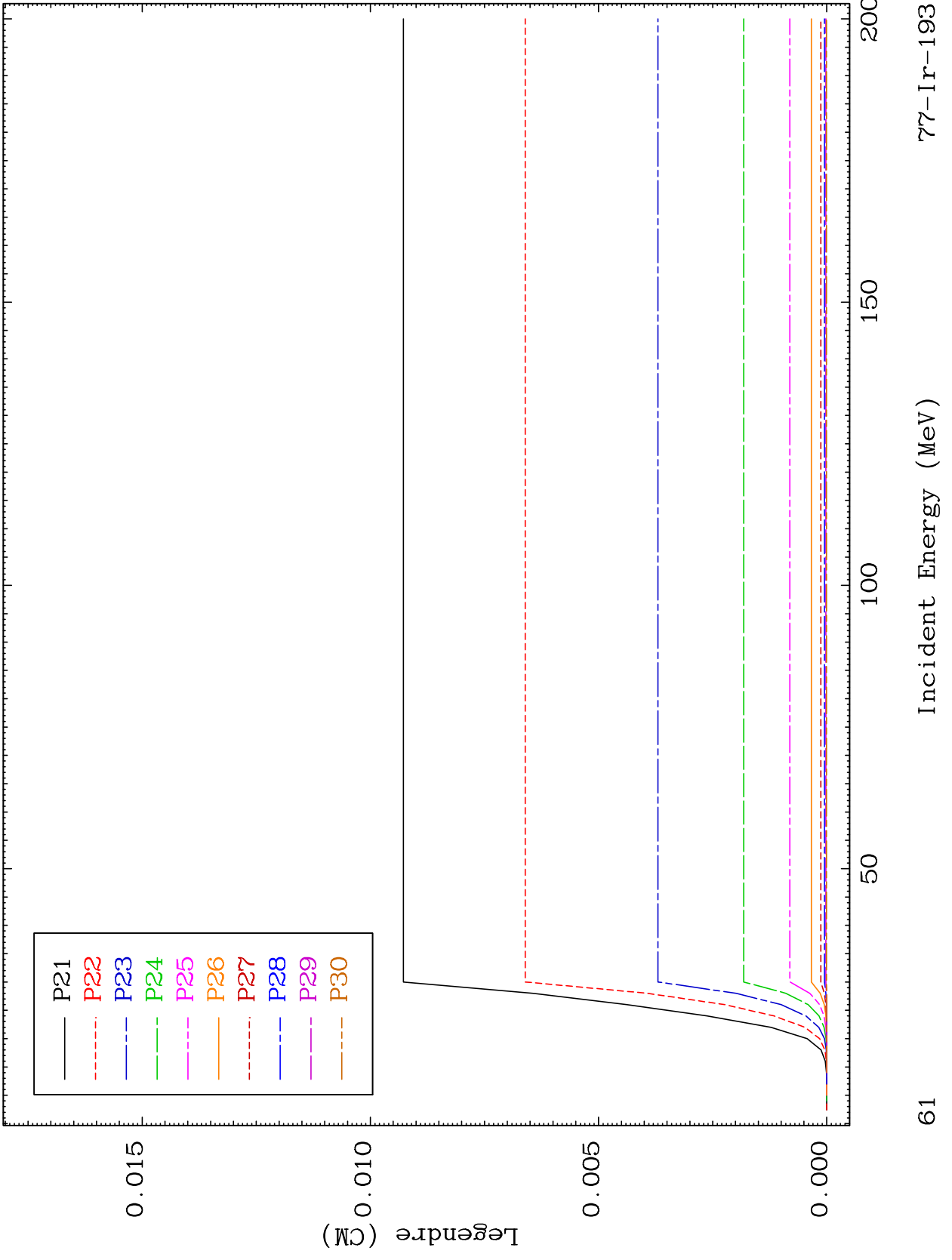
Incident Energy (MeV)

60

MAT 7731

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

77-Ir-193



61

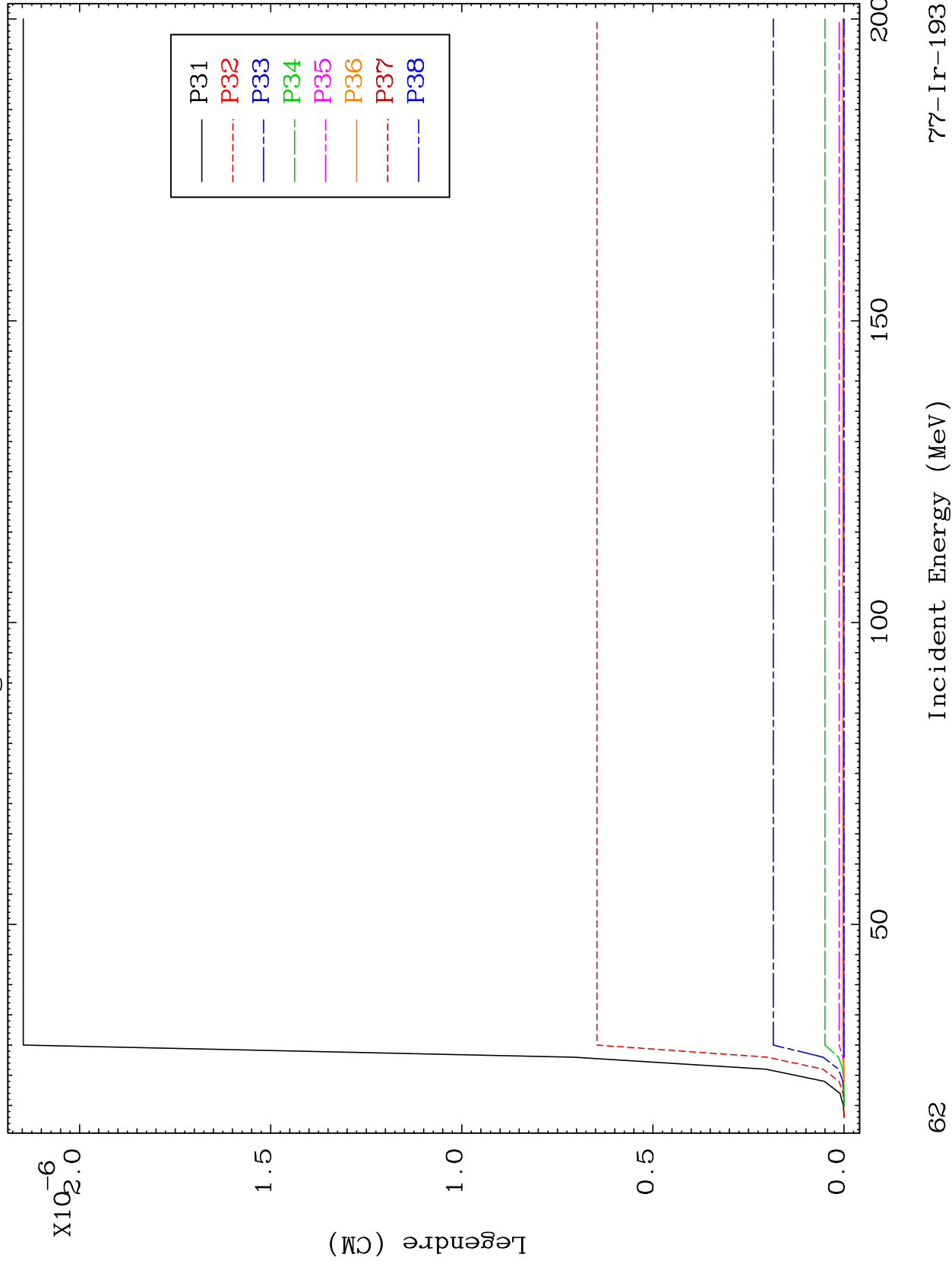
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

77-Ir-193

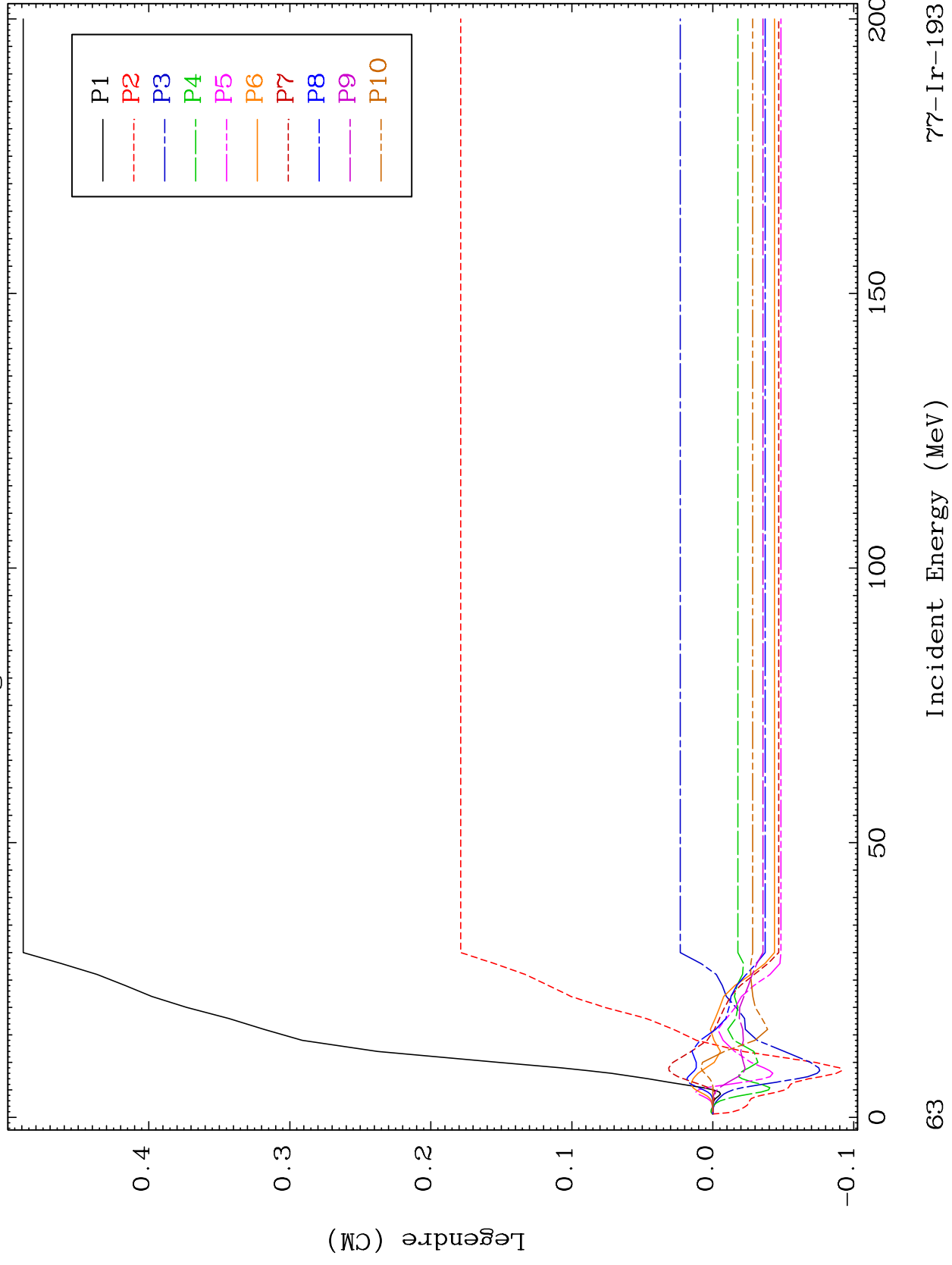


62

MAT 7731

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

77-Ir-193



77-Ir-193

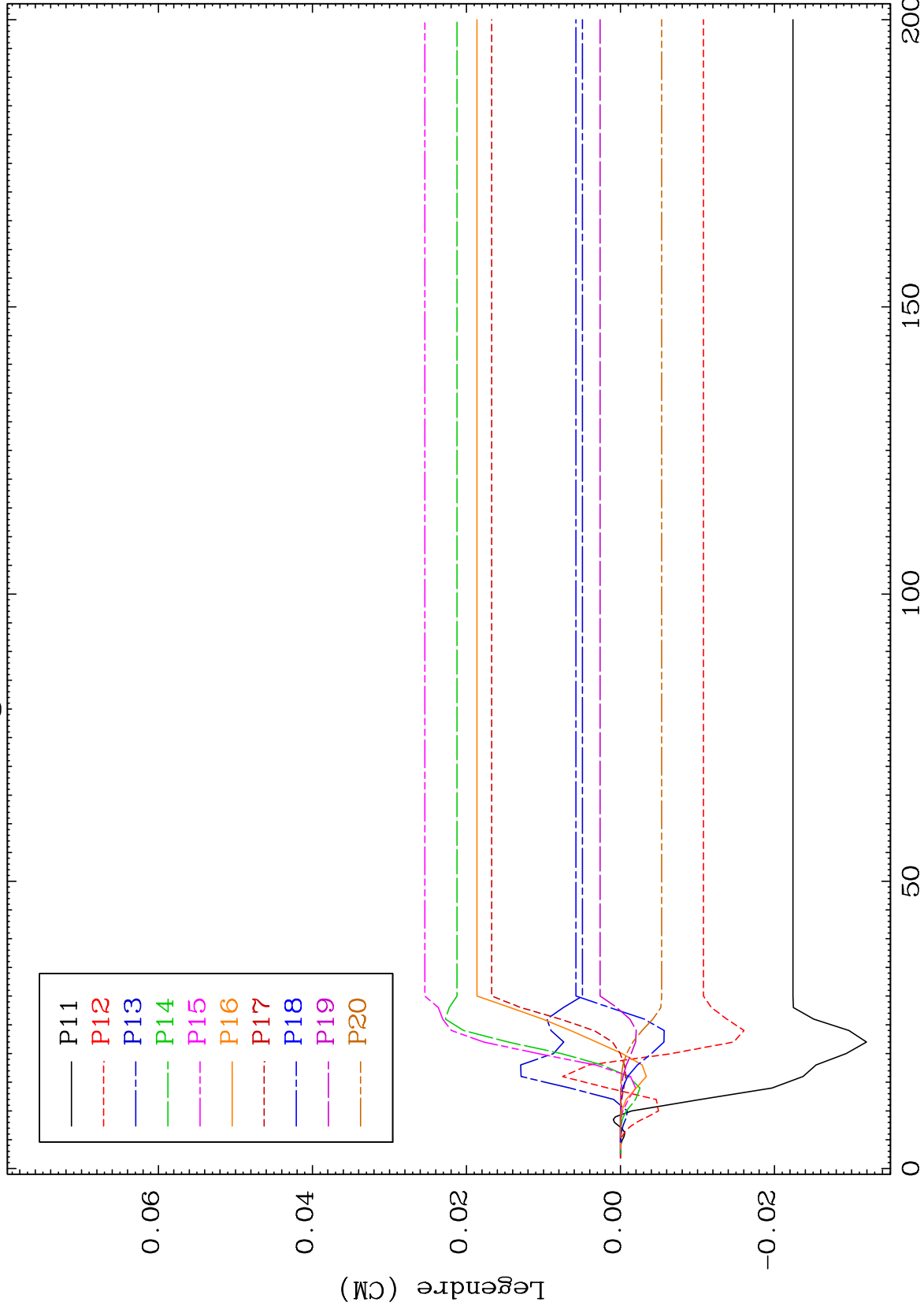
Incident Energy (MeV)

63

MAT 7731

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

77-Ir-193



64

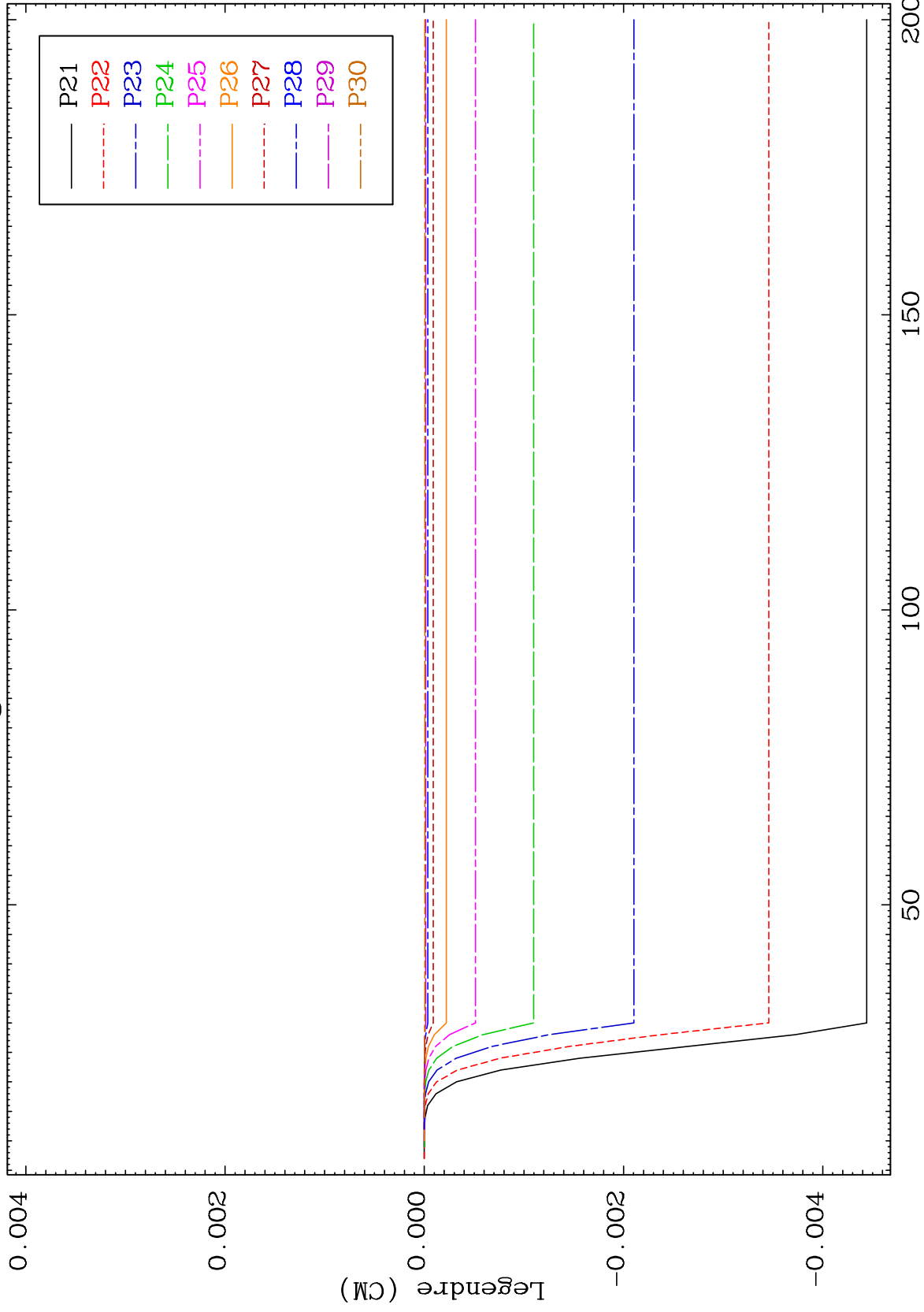
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

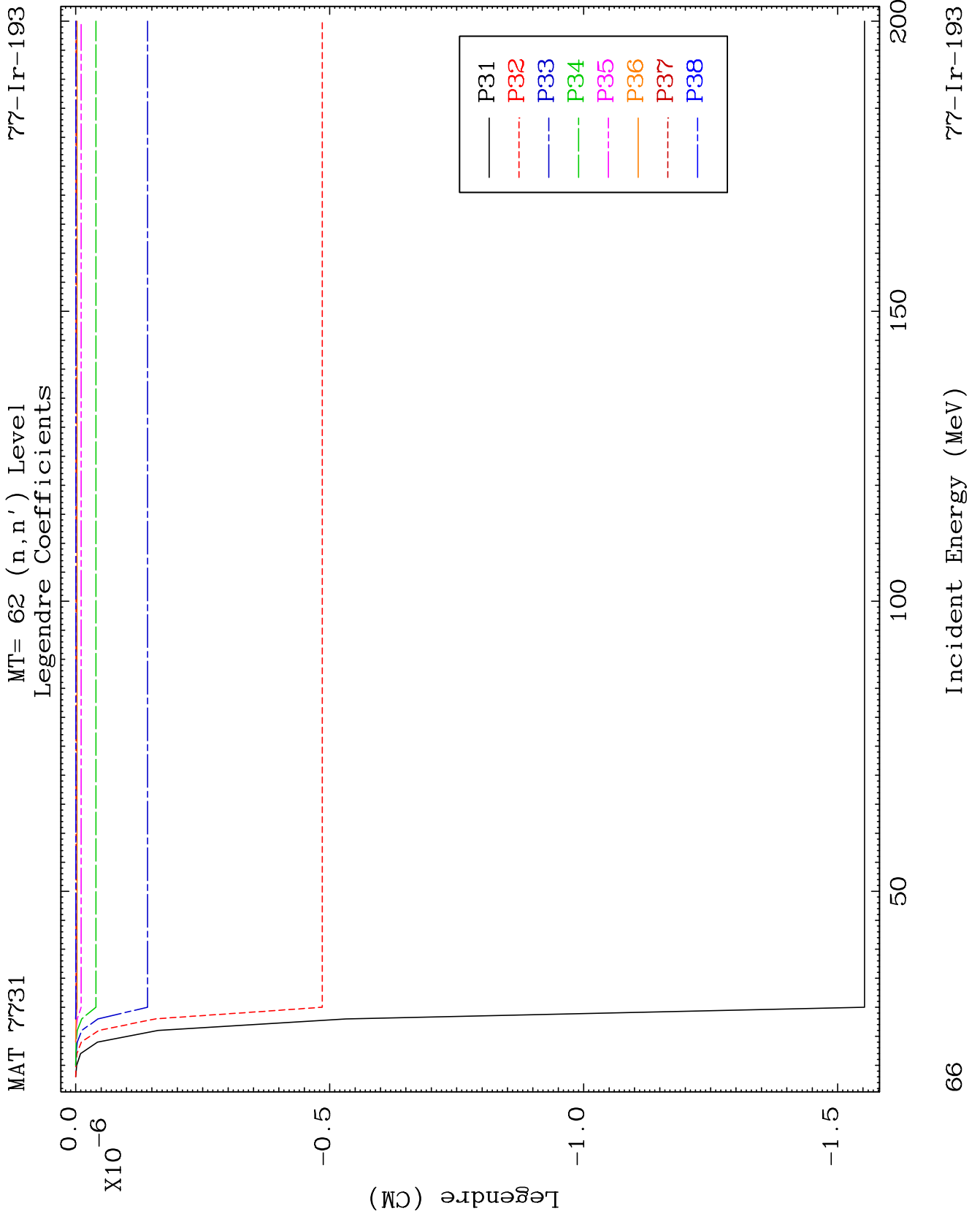
77-Ir-193



65

Incident Energy (MeV)

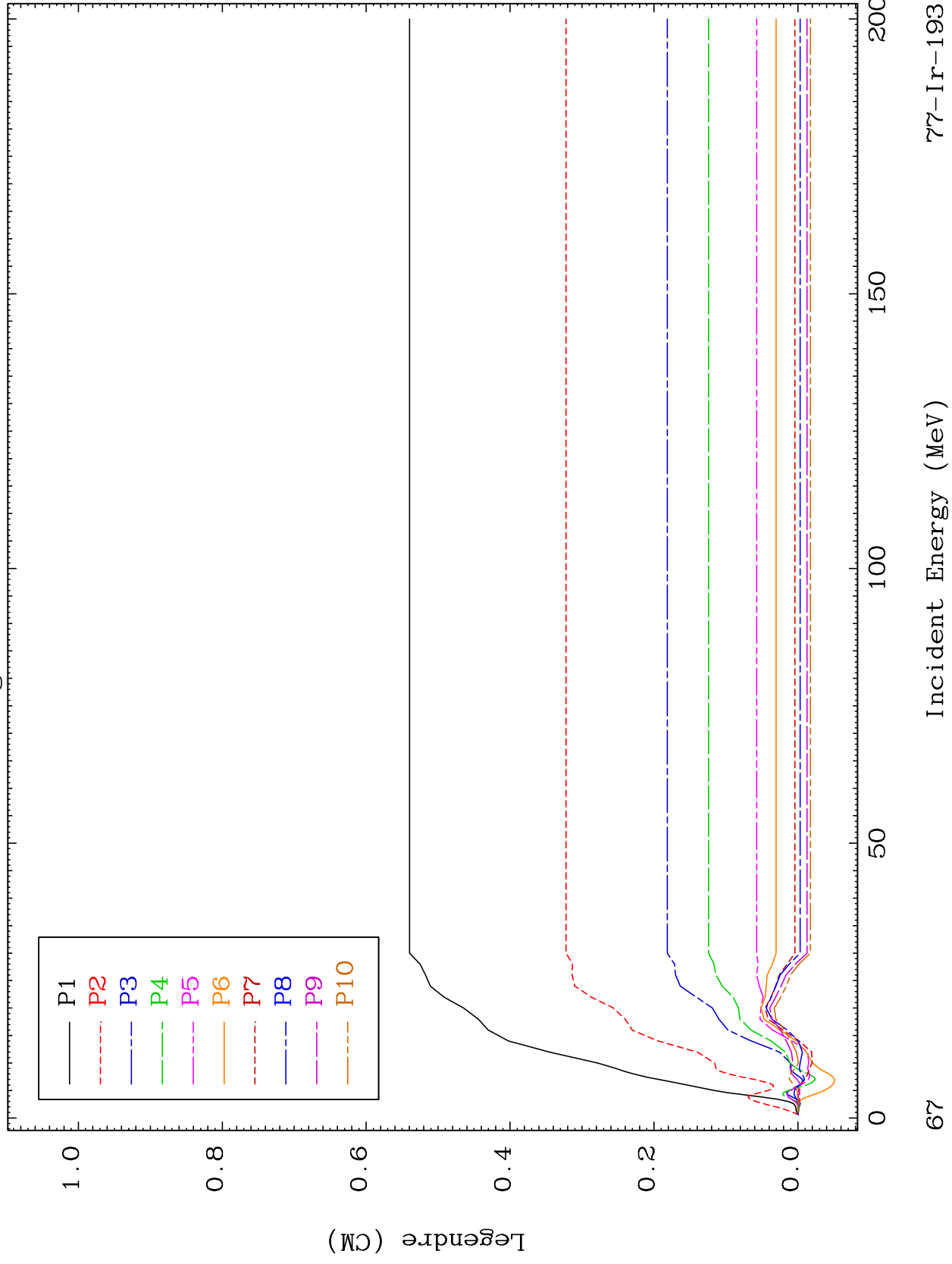
77-Ir-193



MAT 7731

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

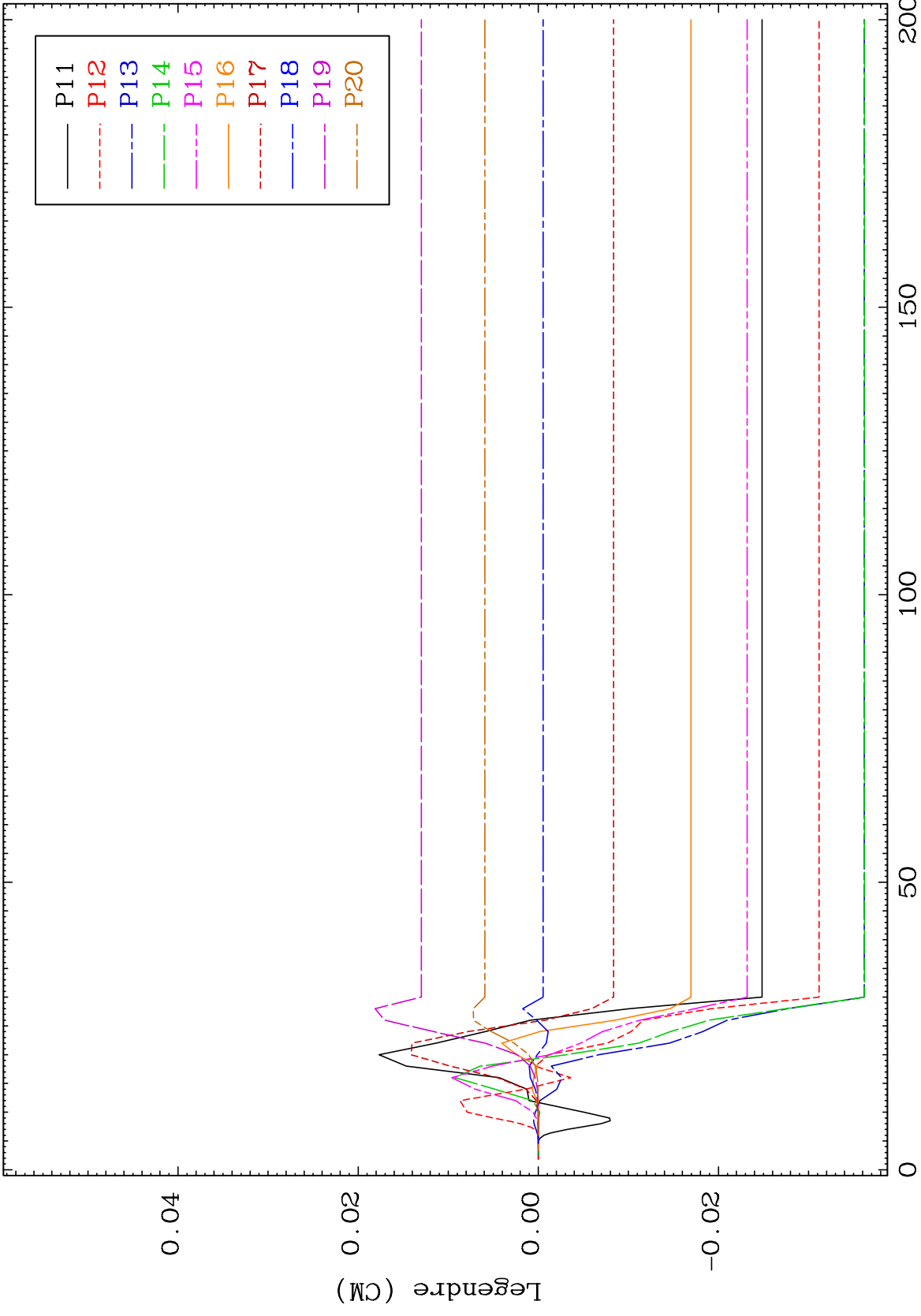
77-Ir-193



MAT 7731

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

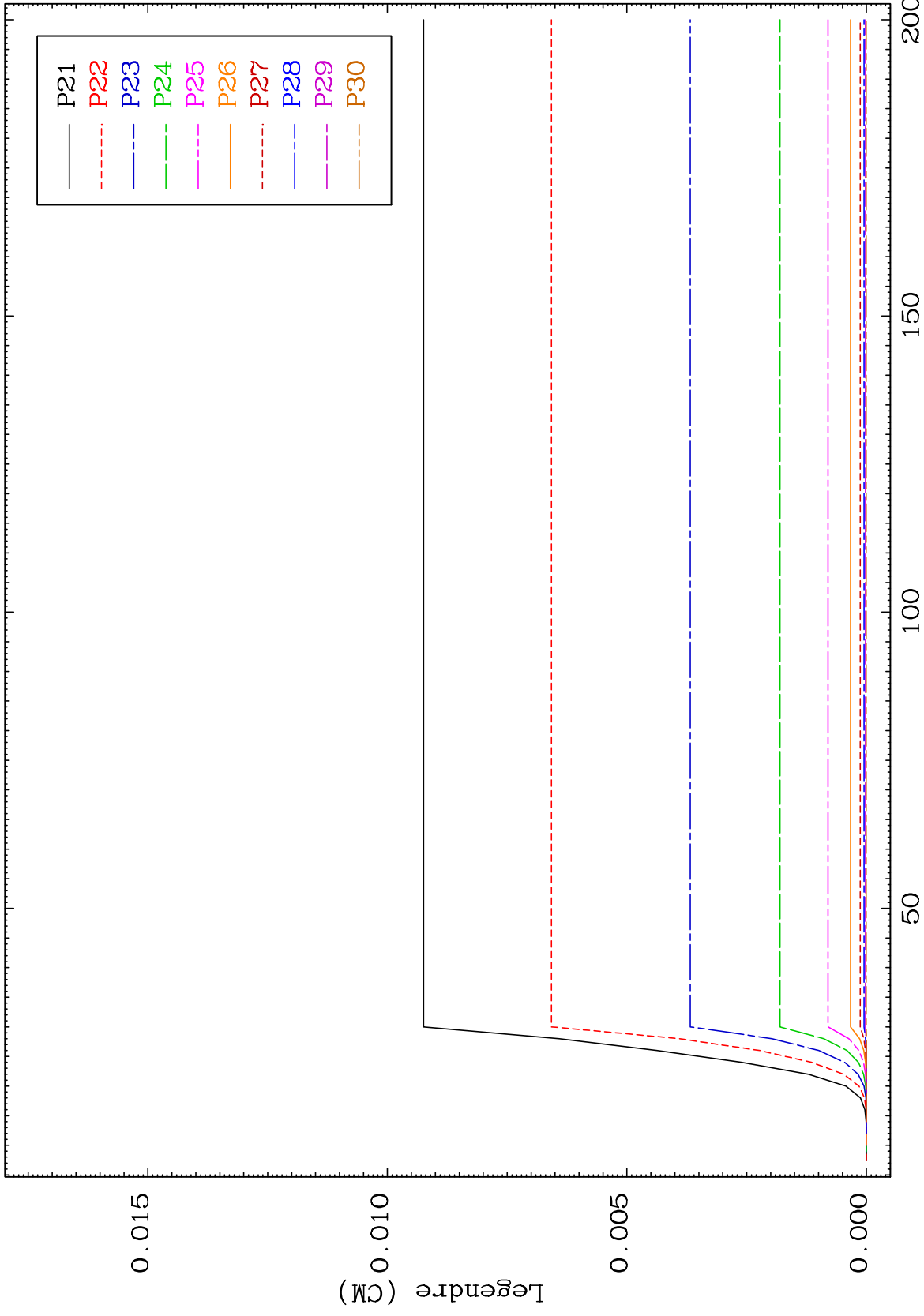
77-Ir-193



68

Incident Energy (MeV)

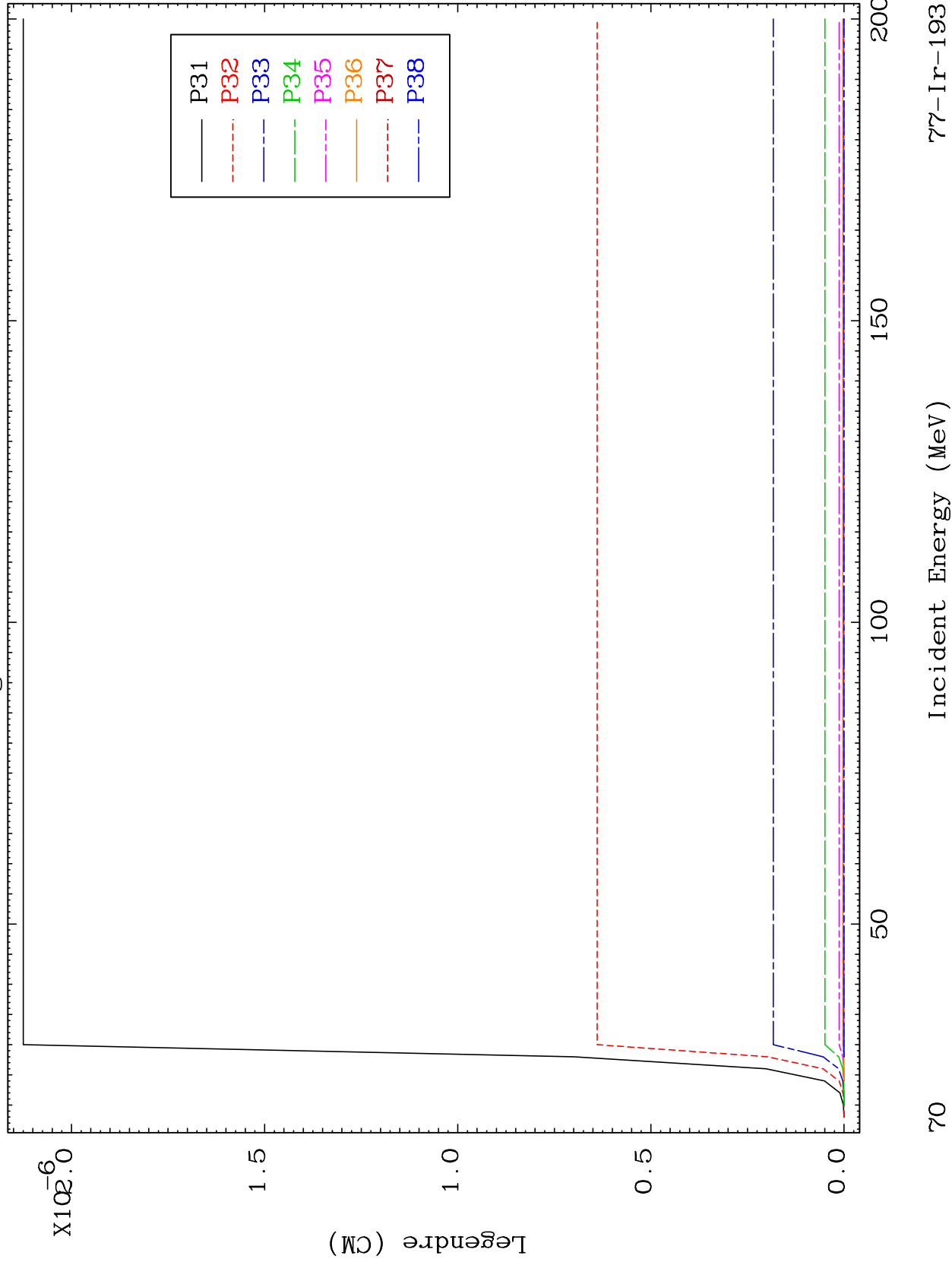
77-Ir-193



MAT 7731

77-Ir-193

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



77-Ir-193

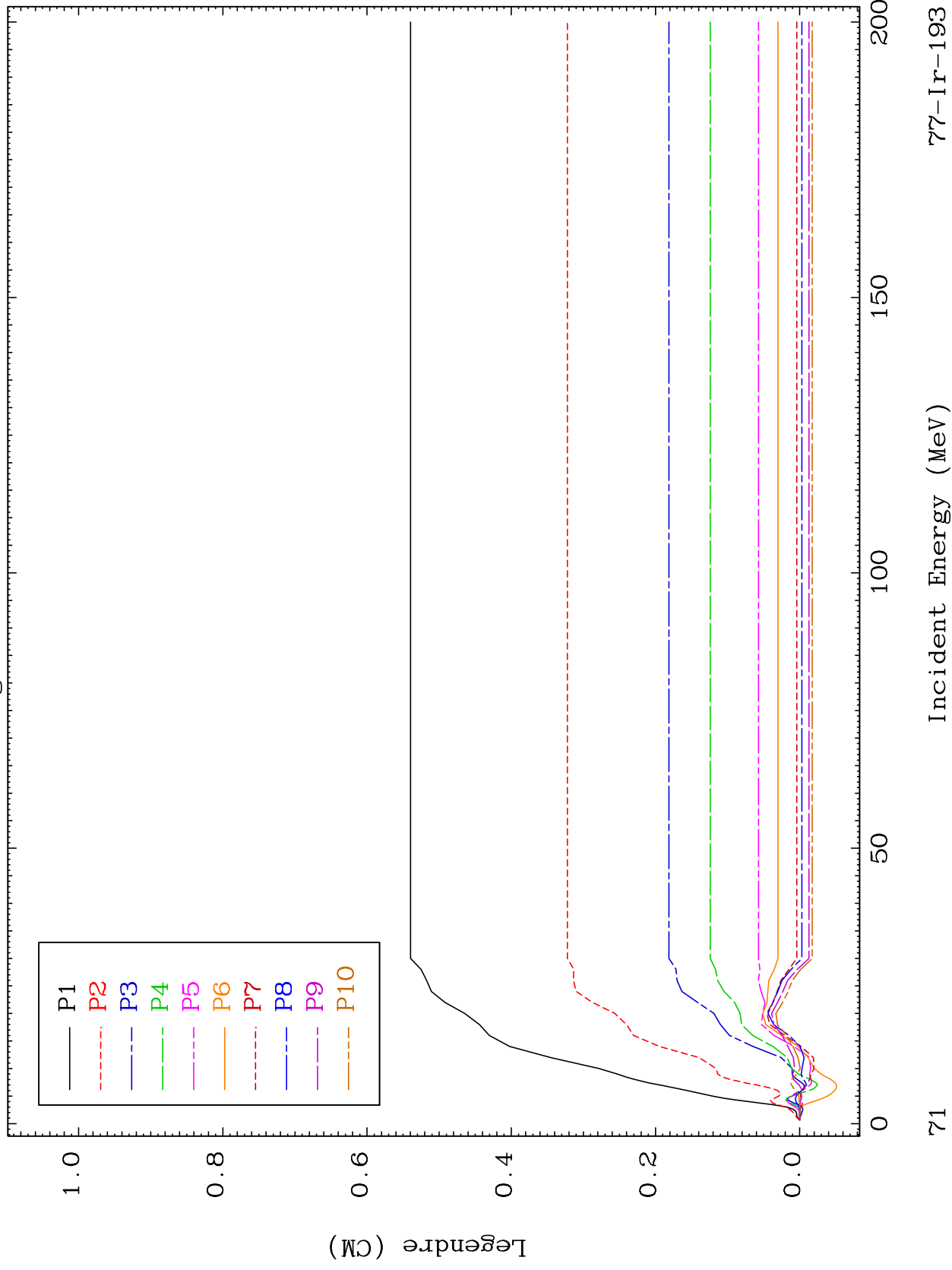
Incident Energy (MeV)

70

MAT 7731

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

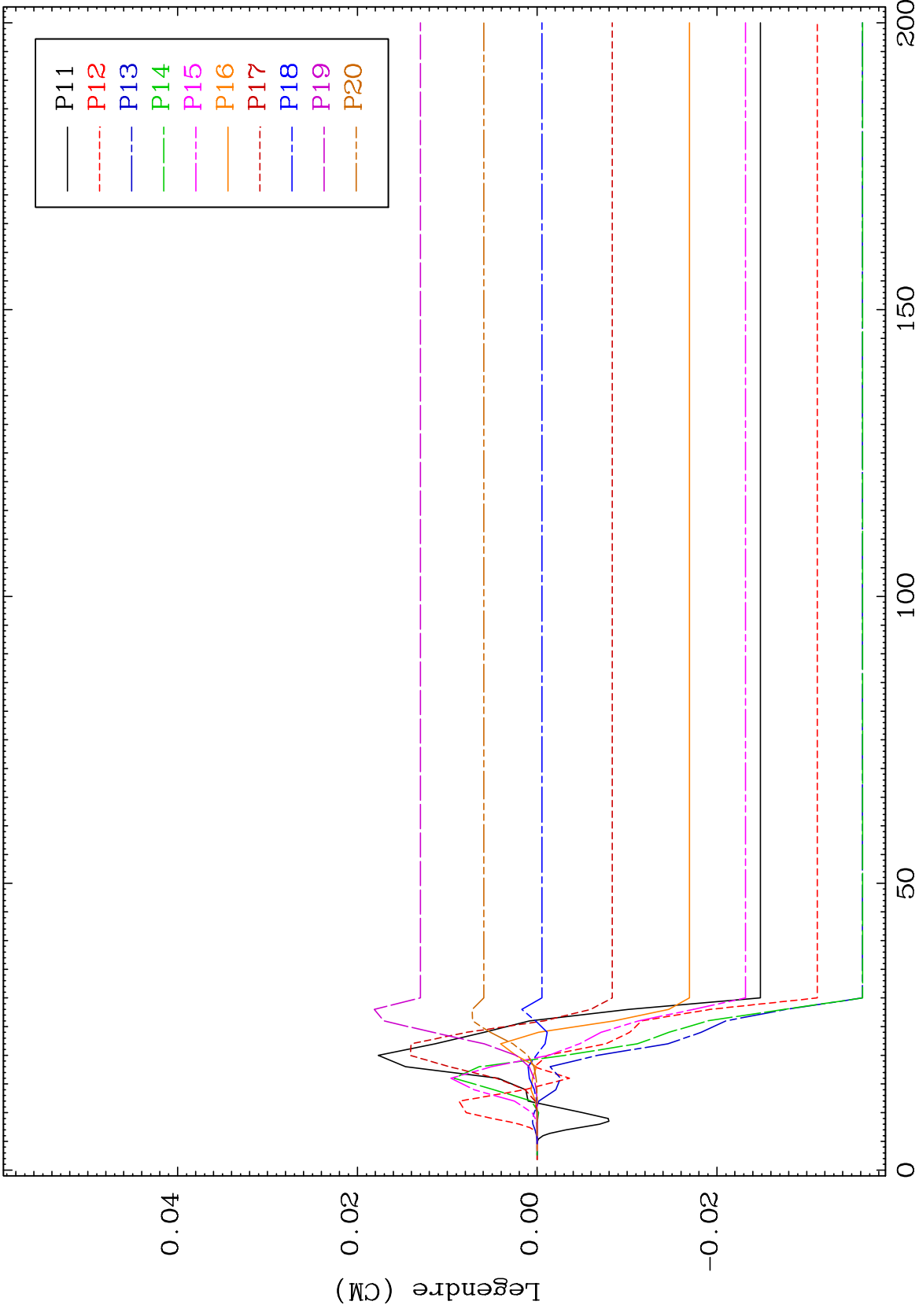
77-Ir-193



MAT 7731

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

77-Ir-193



72

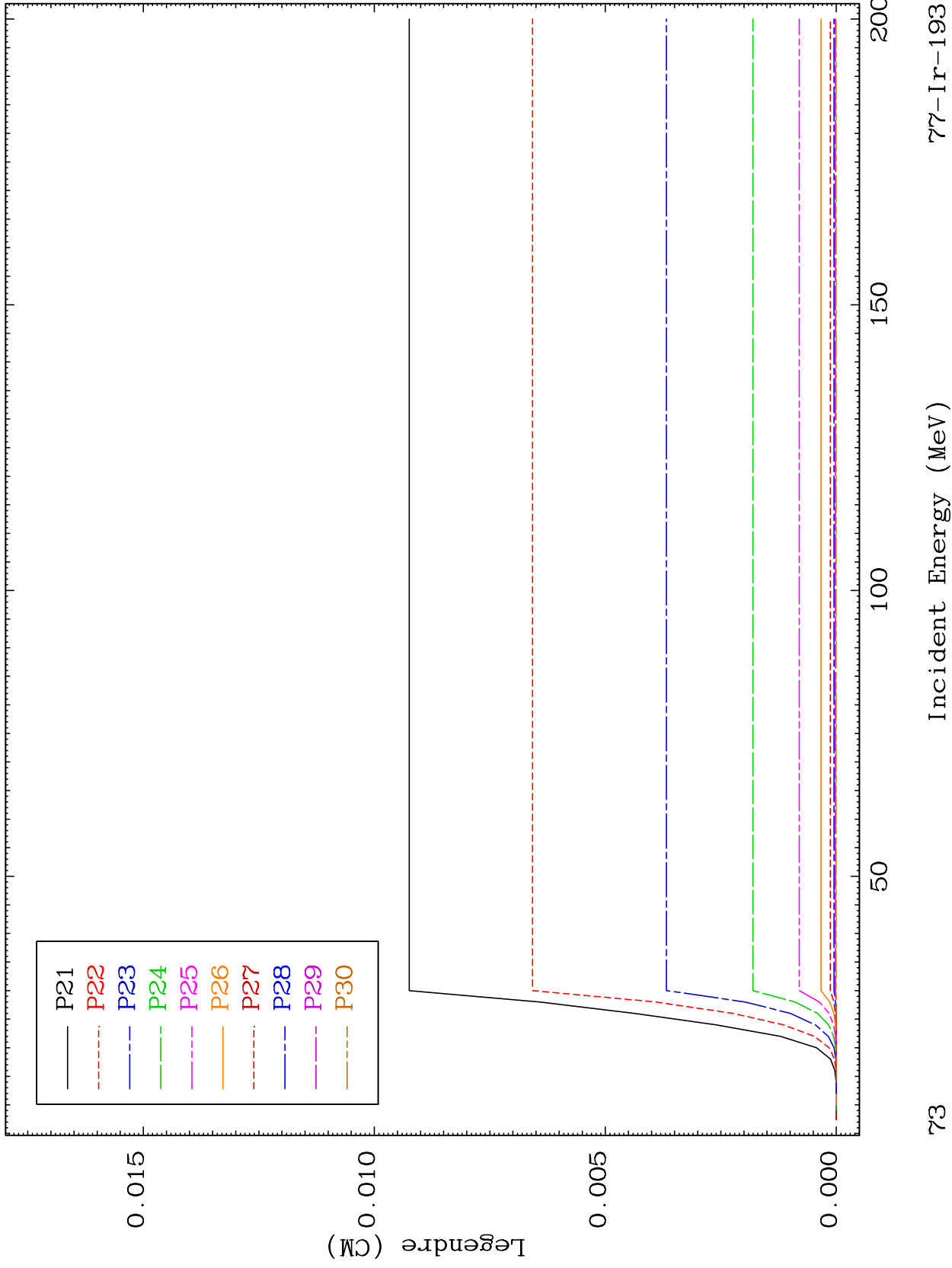
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

77-Ir-193



73

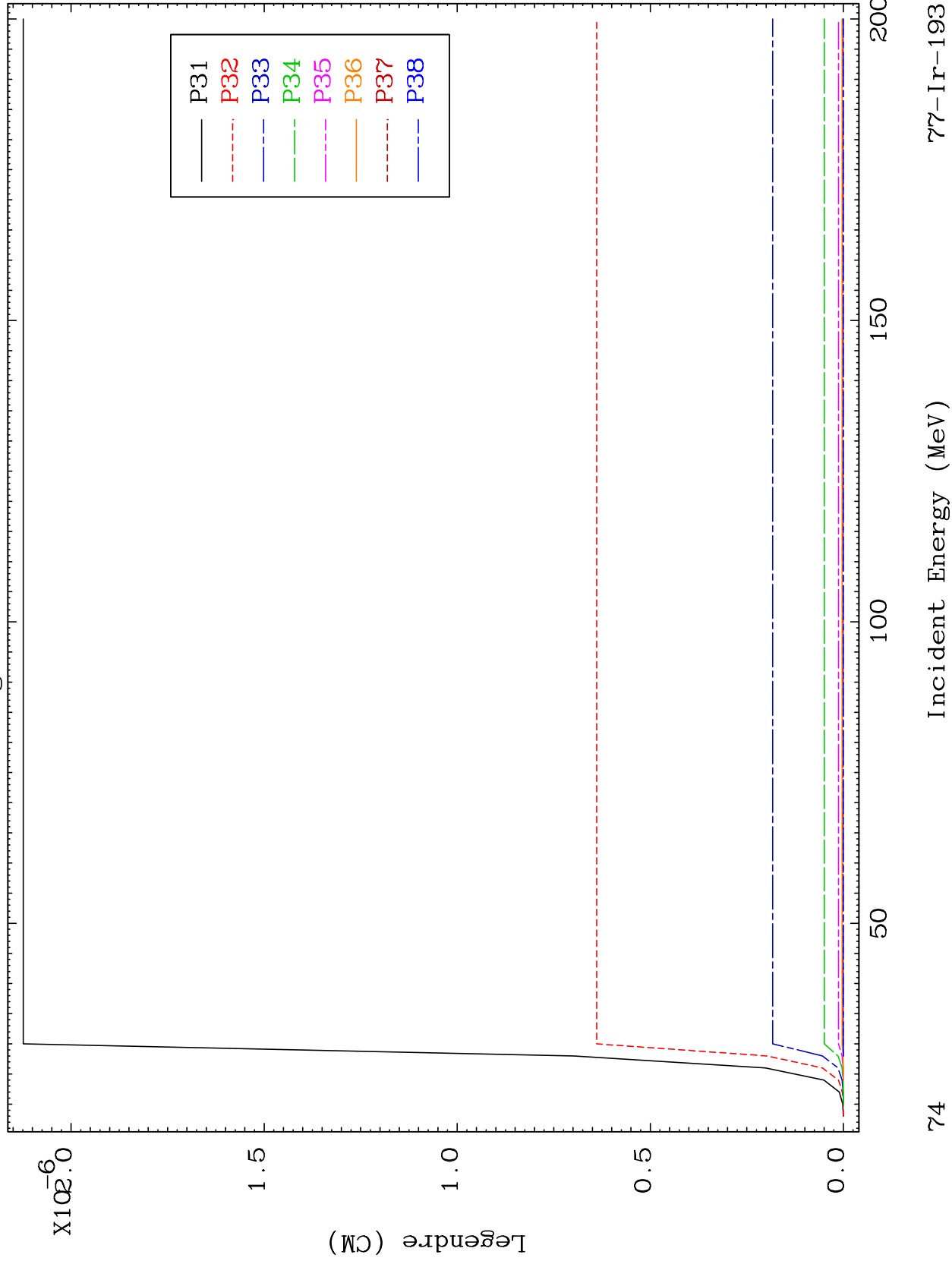
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

77-Ir-193



74

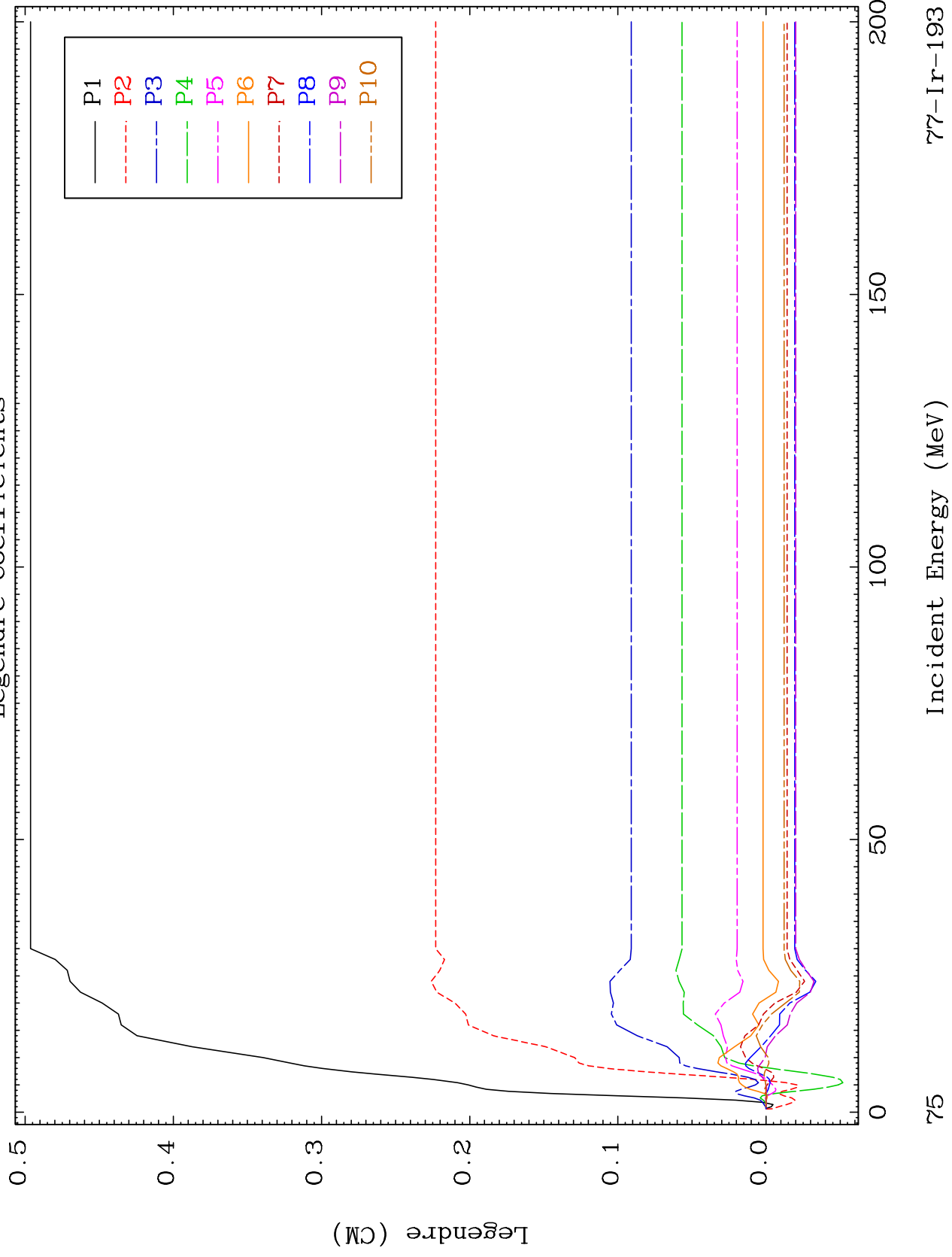
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

77-Ir-193



77-Ir-193

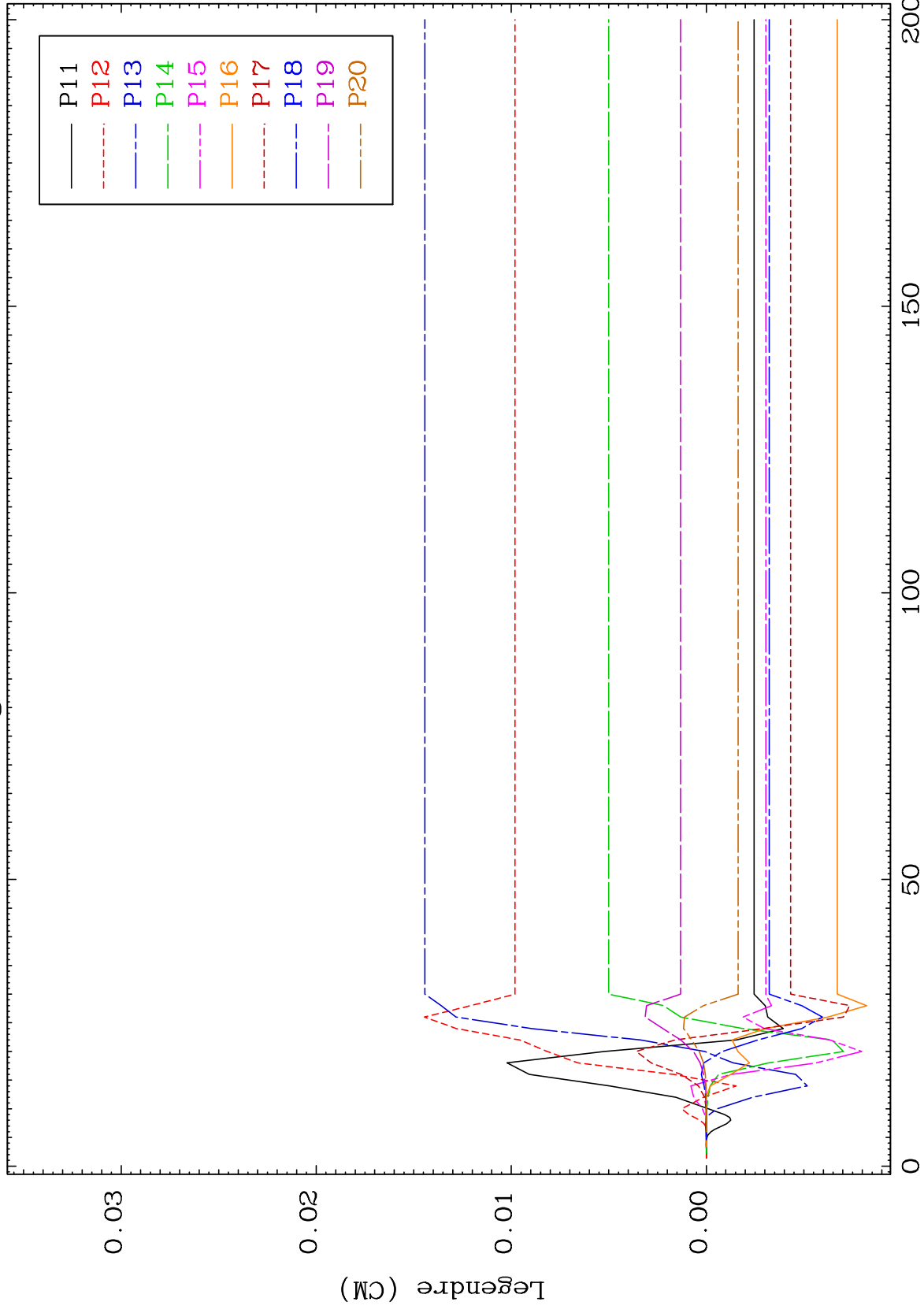
Incident Energy (MeV)

75

MAT 7731

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

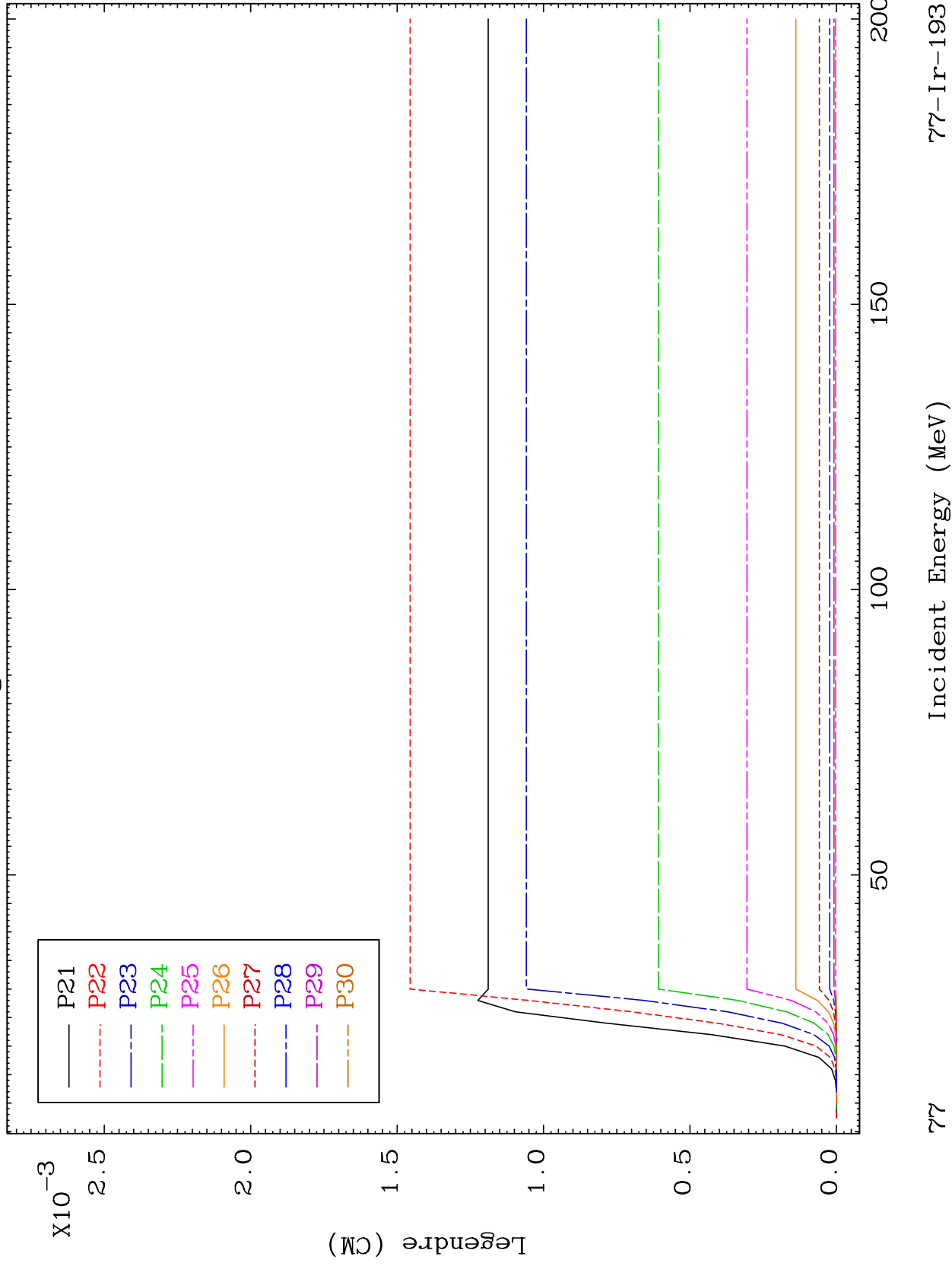
77-Ir-193

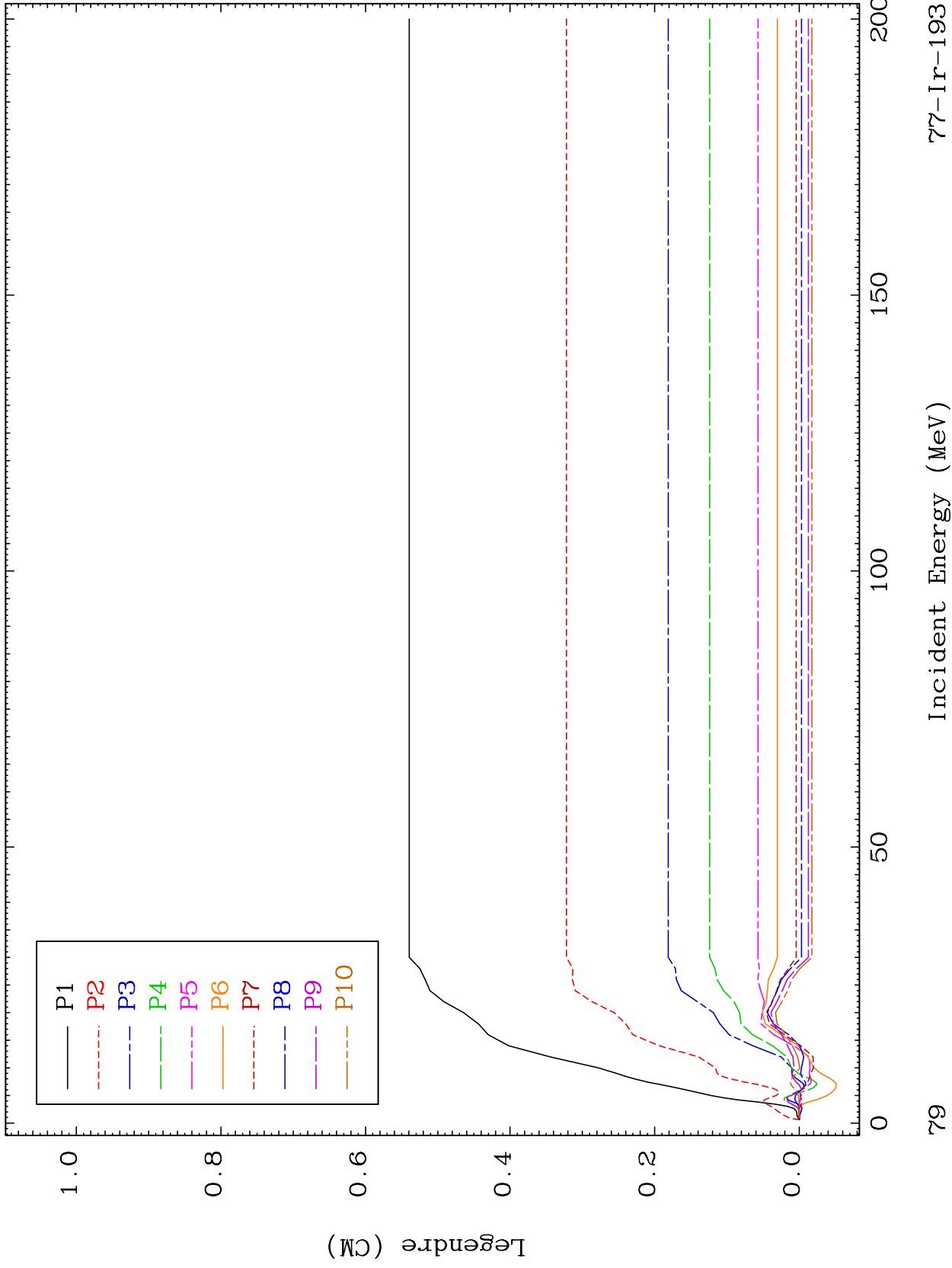


76

Incident Energy (MeV)

77-Ir-193

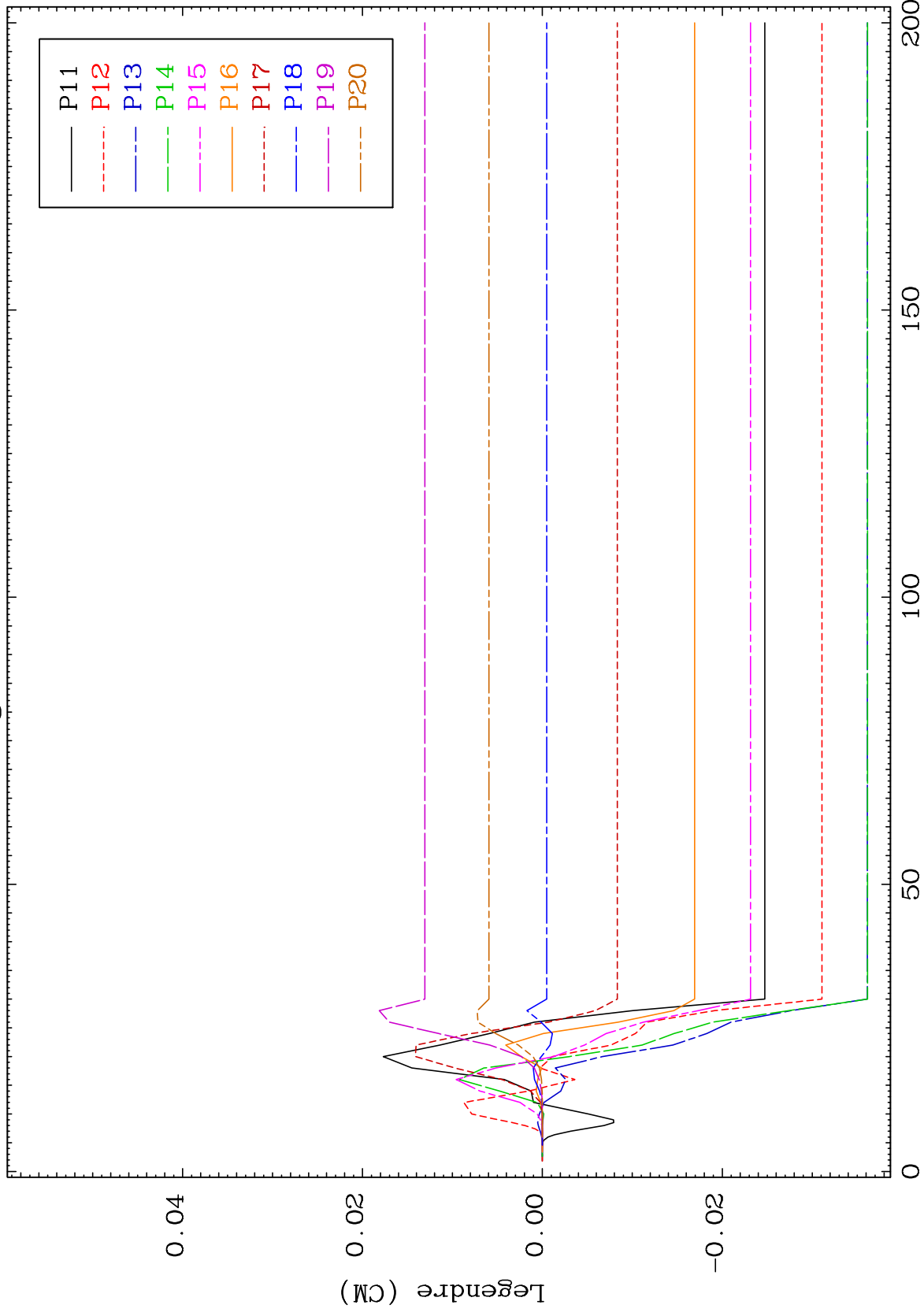




MAT 7731

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

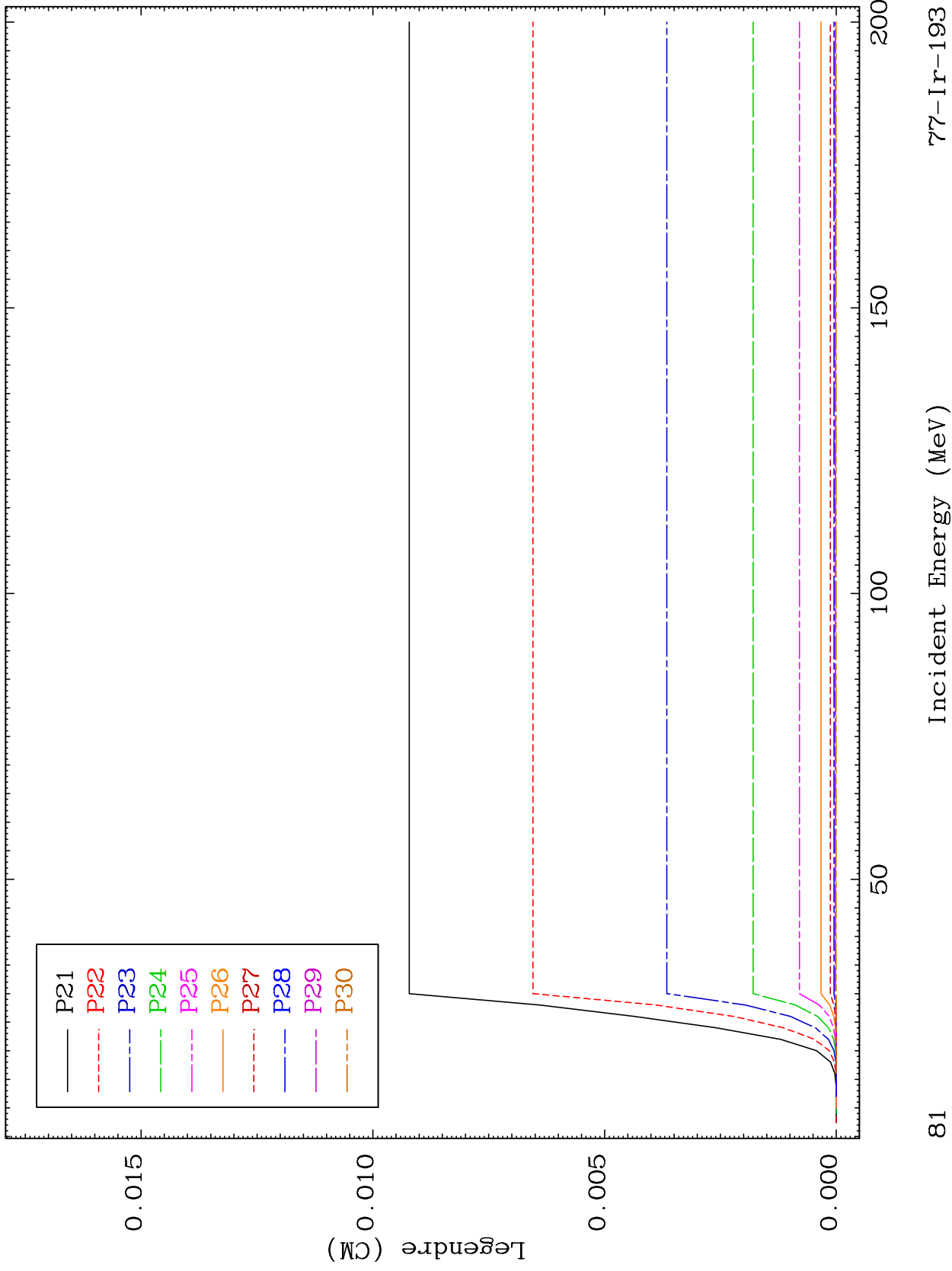
77-Ir-193



77-Ir-193

Incident Energy (MeV)

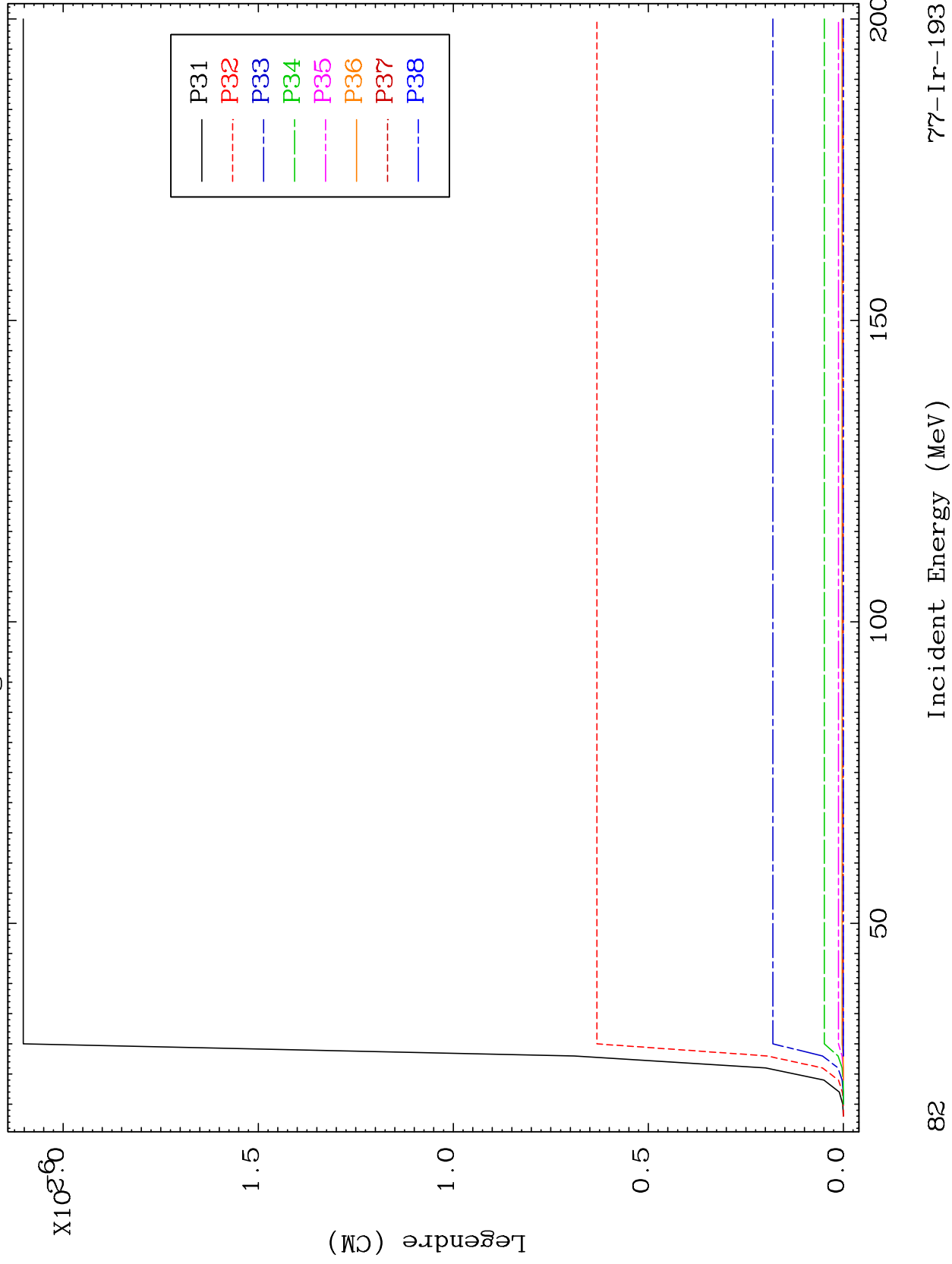
80



MAT 7731

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

77-Ir-193

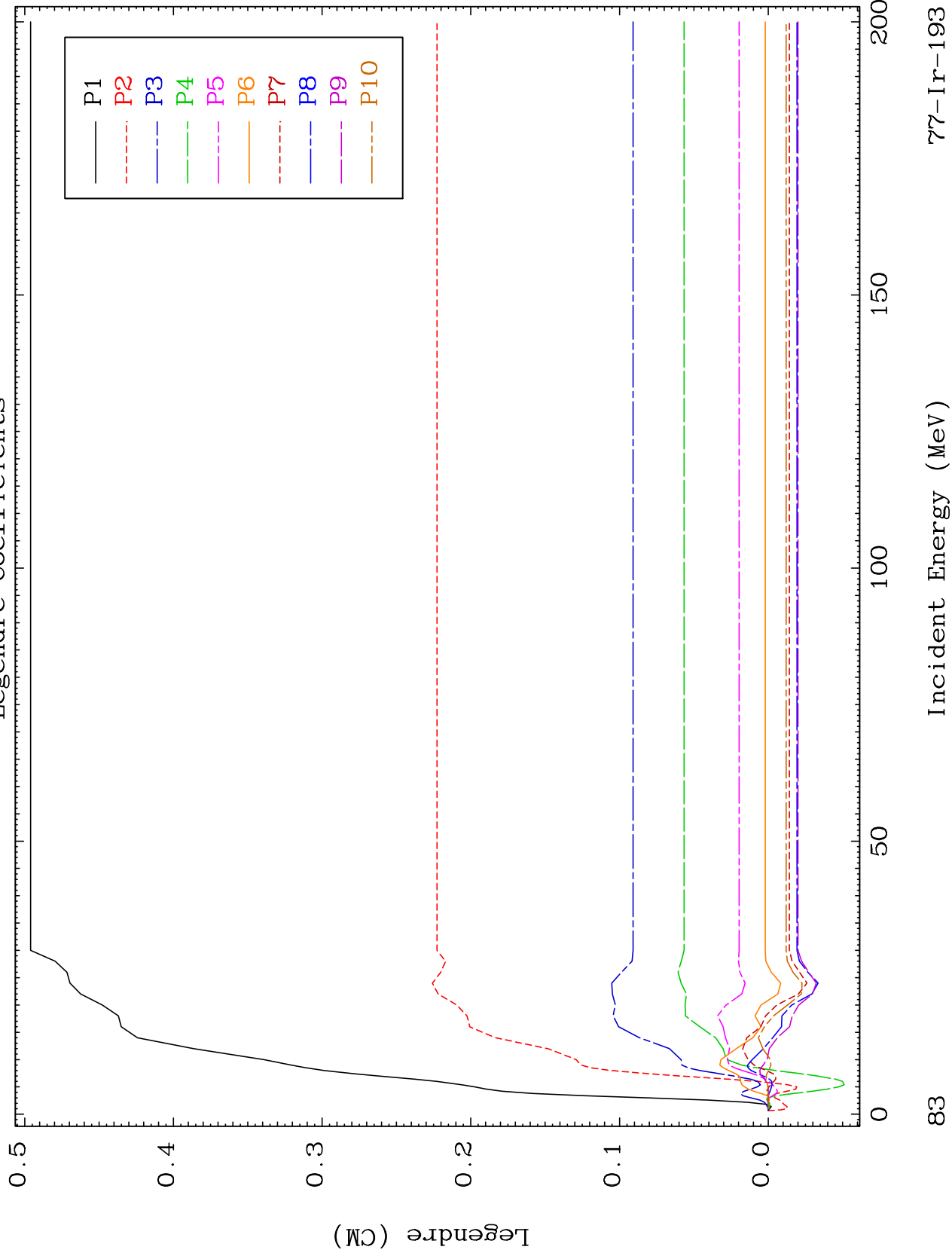


82

MAT 7731

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

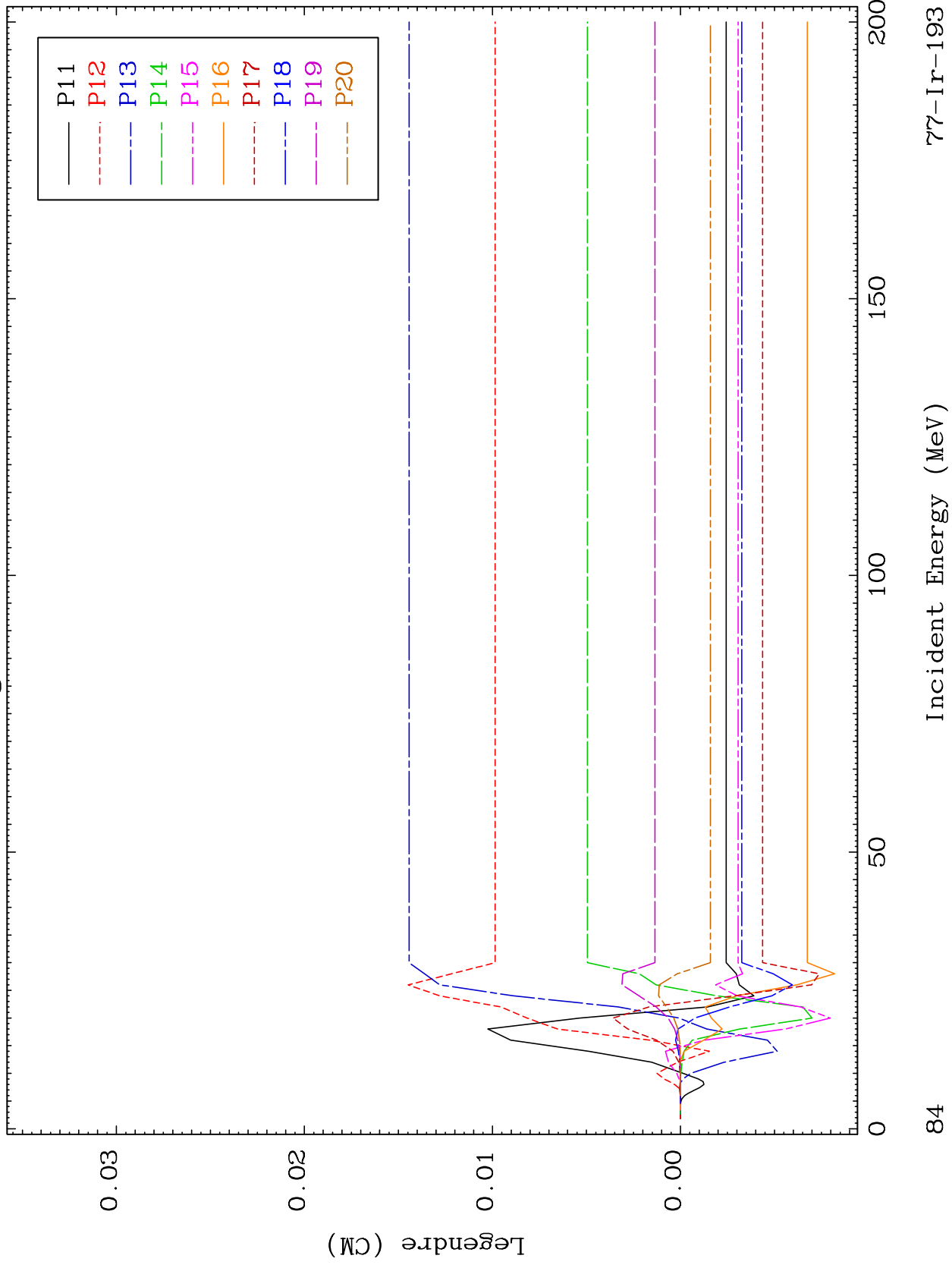
77-Ir-193



MAT 7731

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

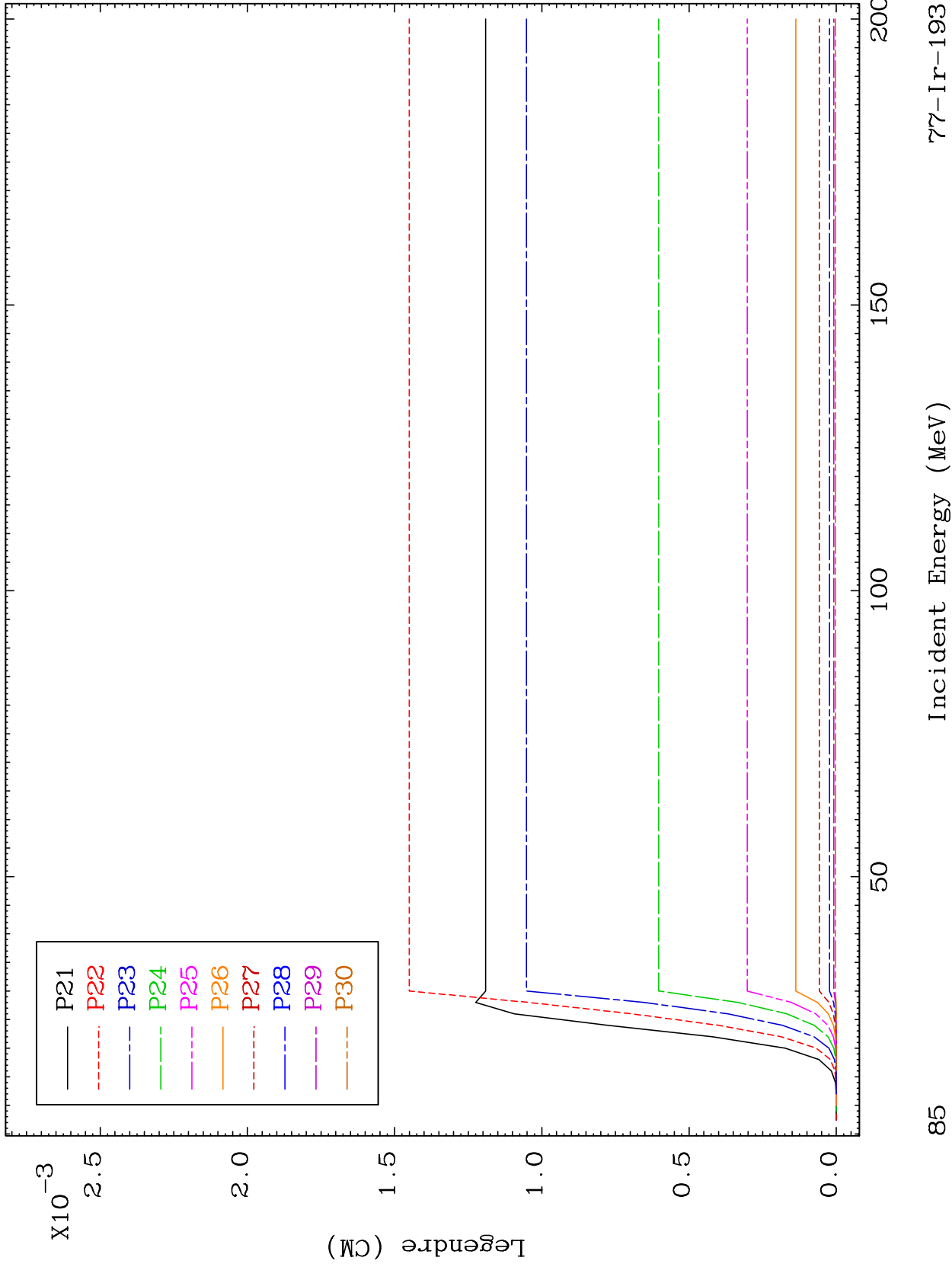
77-Ir-193

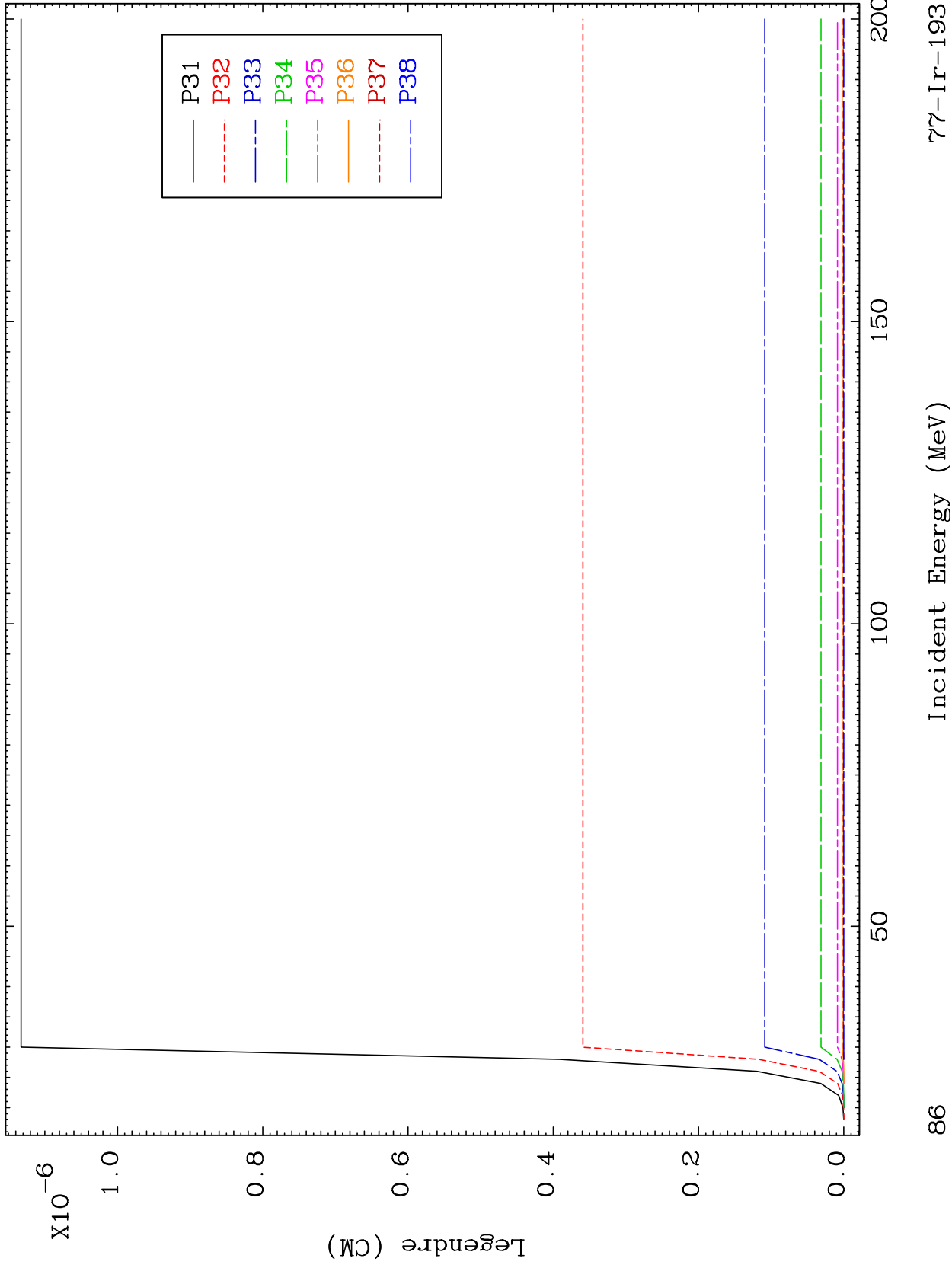


77-Ir-193

Incident Energy (MeV)

84

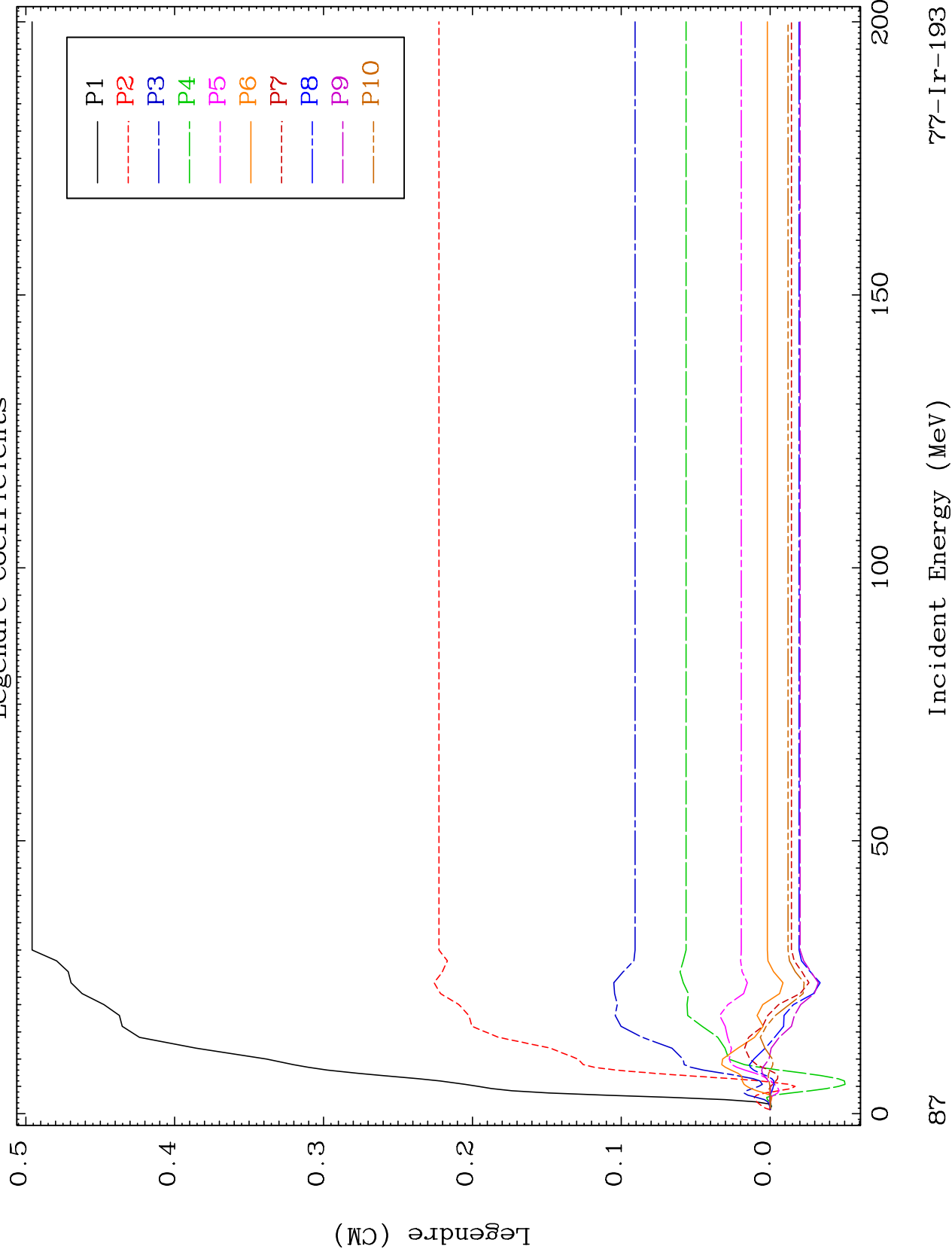




MAT 7731

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

77-Ir-193



77-Ir-193

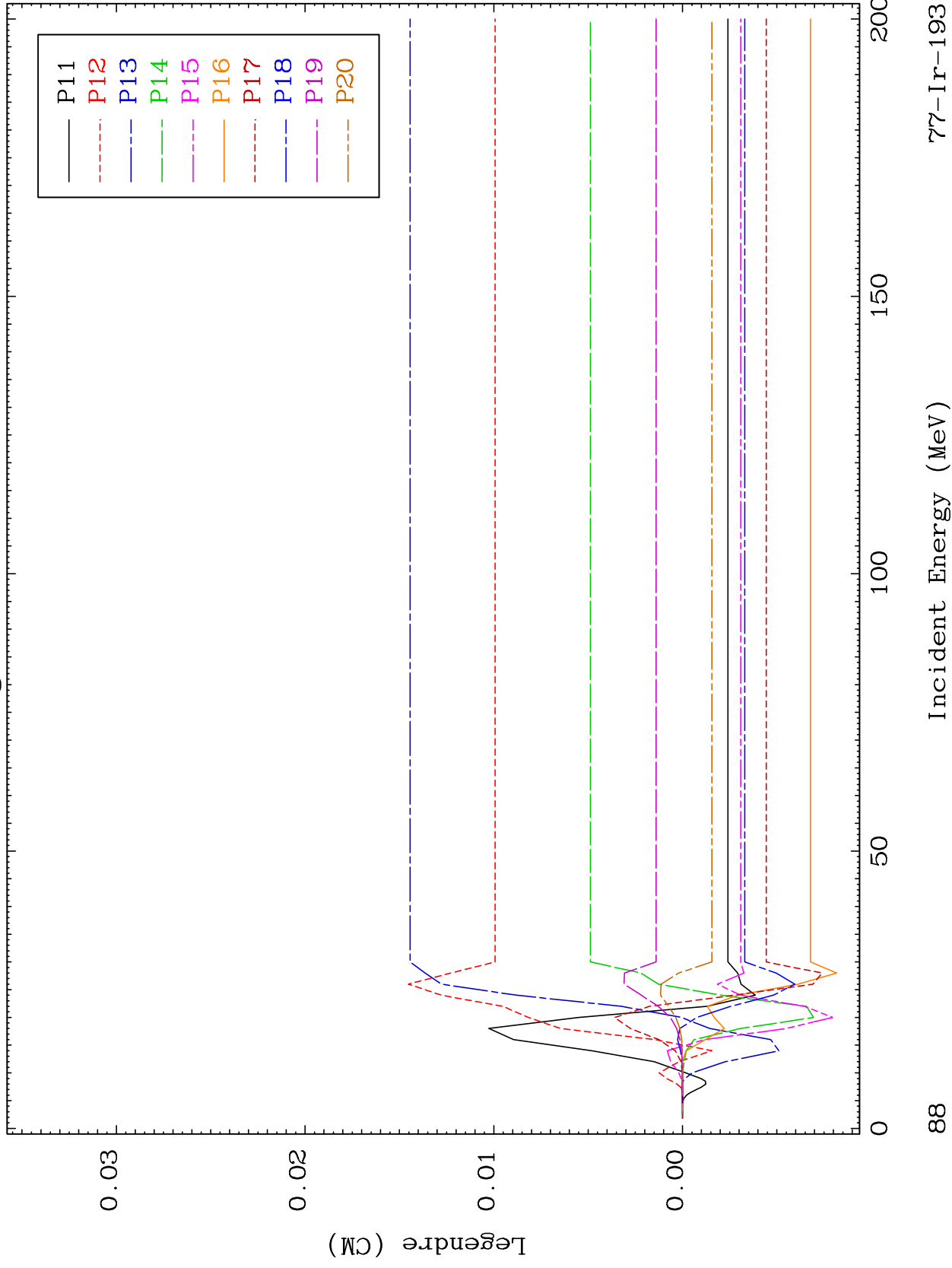
Incident Energy (MeV)

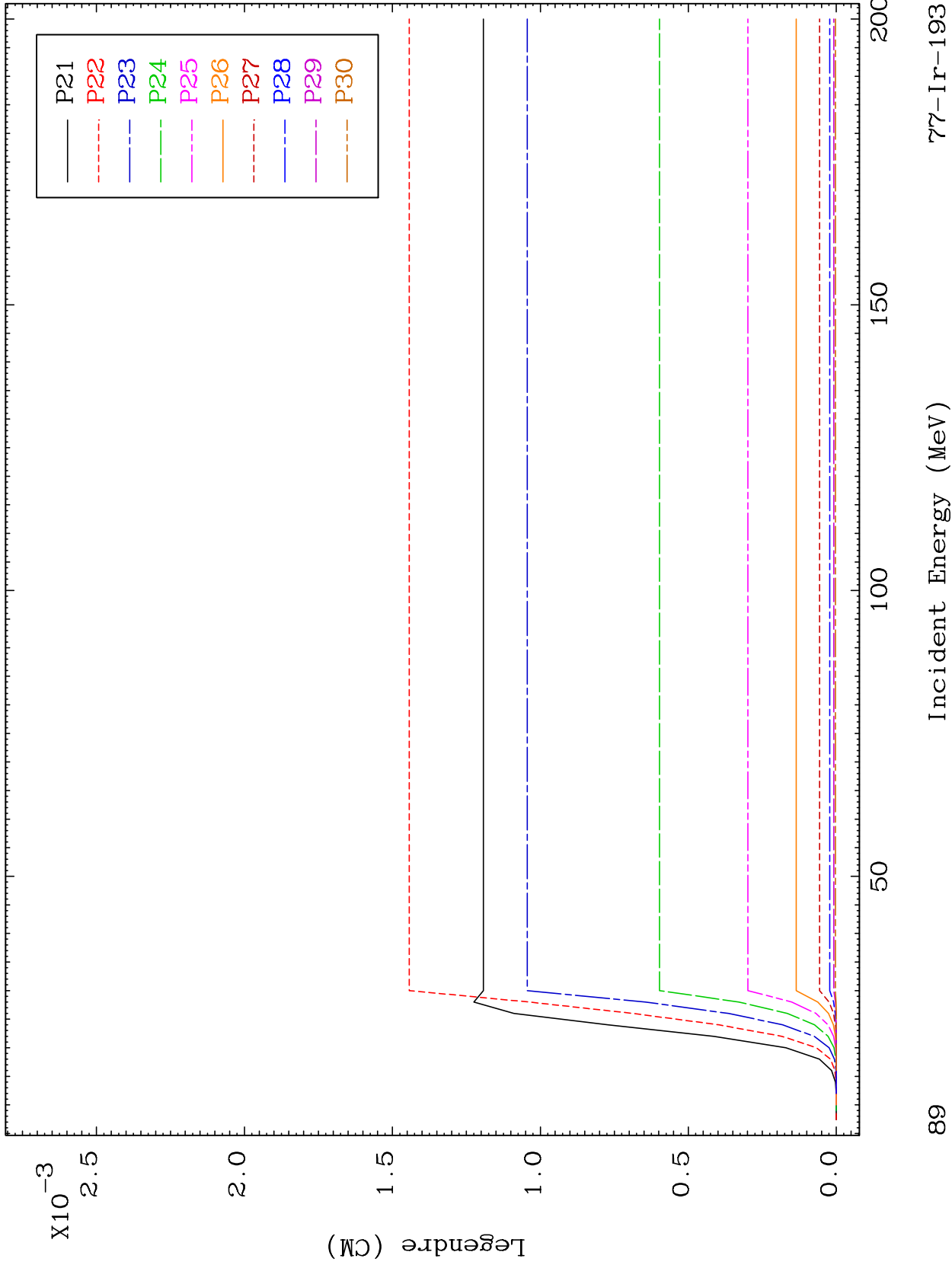
87

MAT 7731

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

77-Ir-193

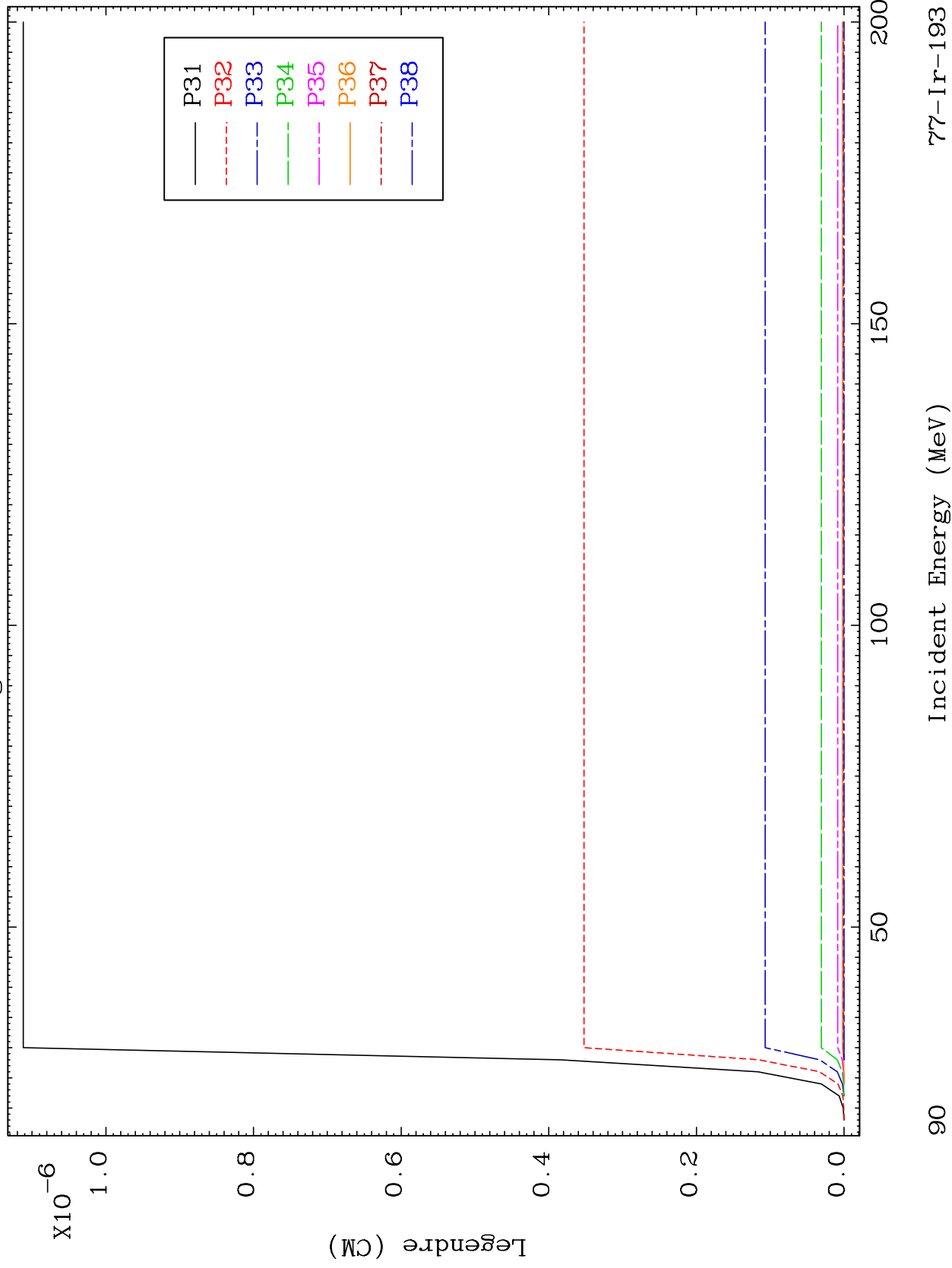


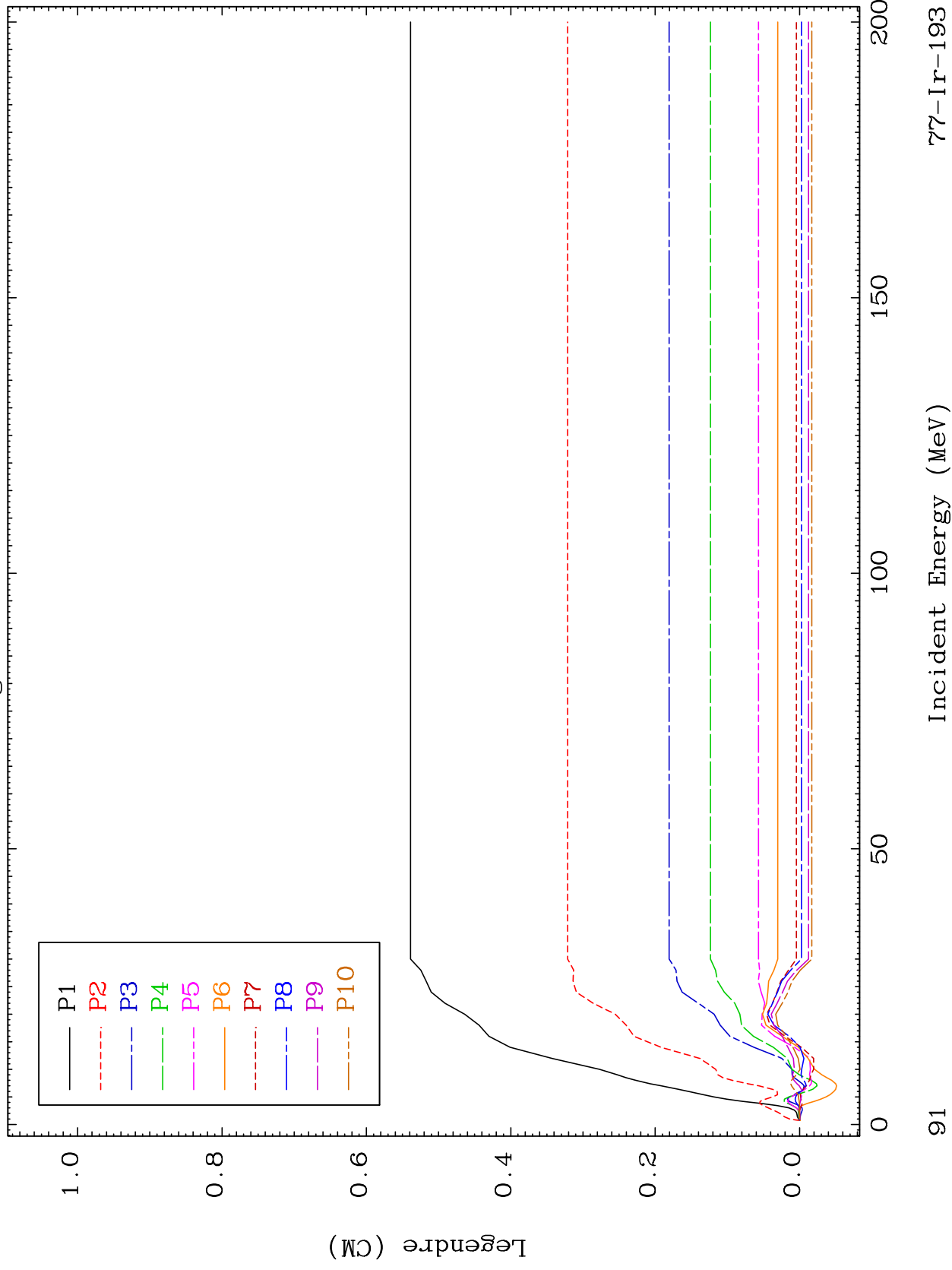


MAT 7731

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

77-Ir-193

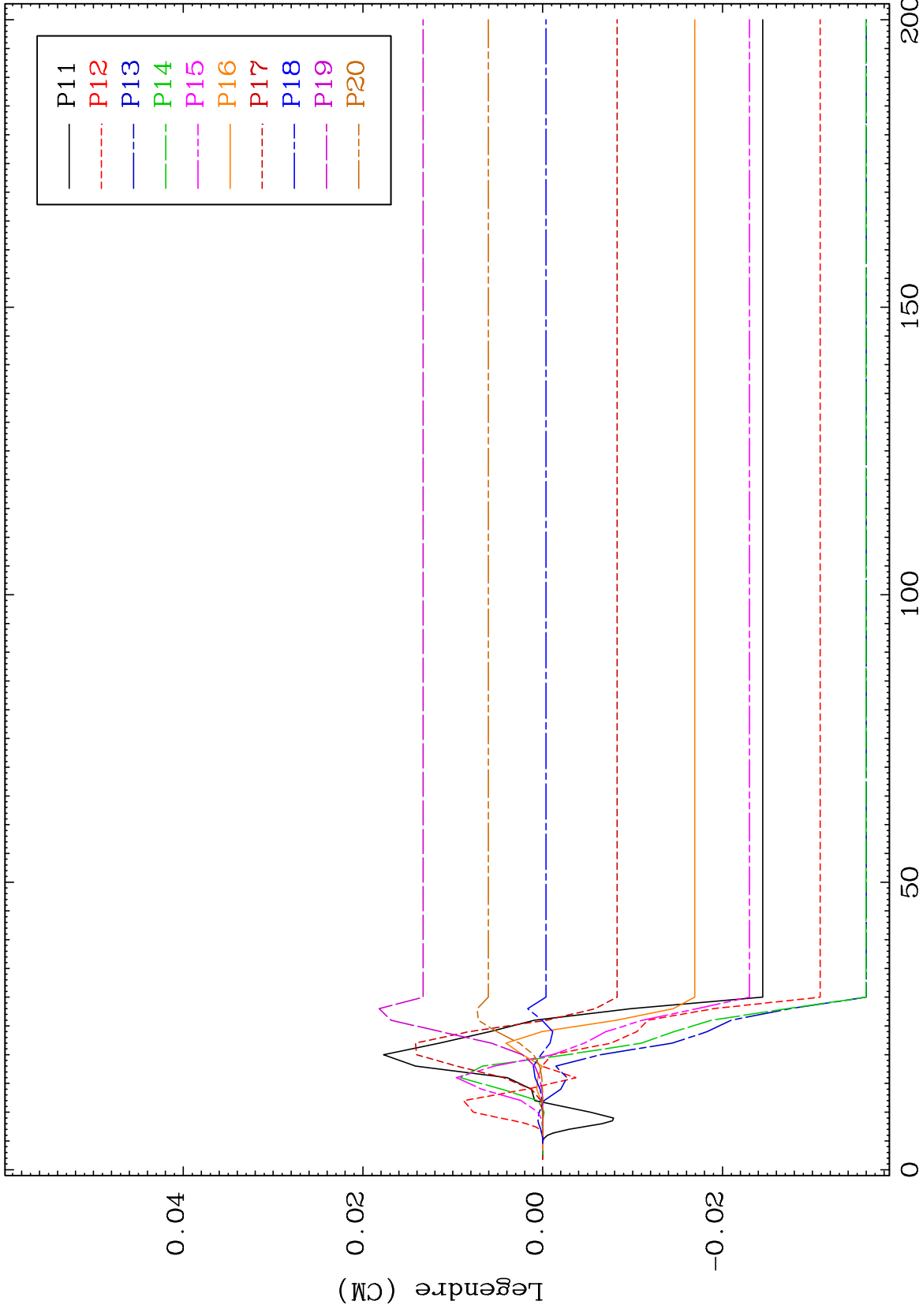




MAT 7731

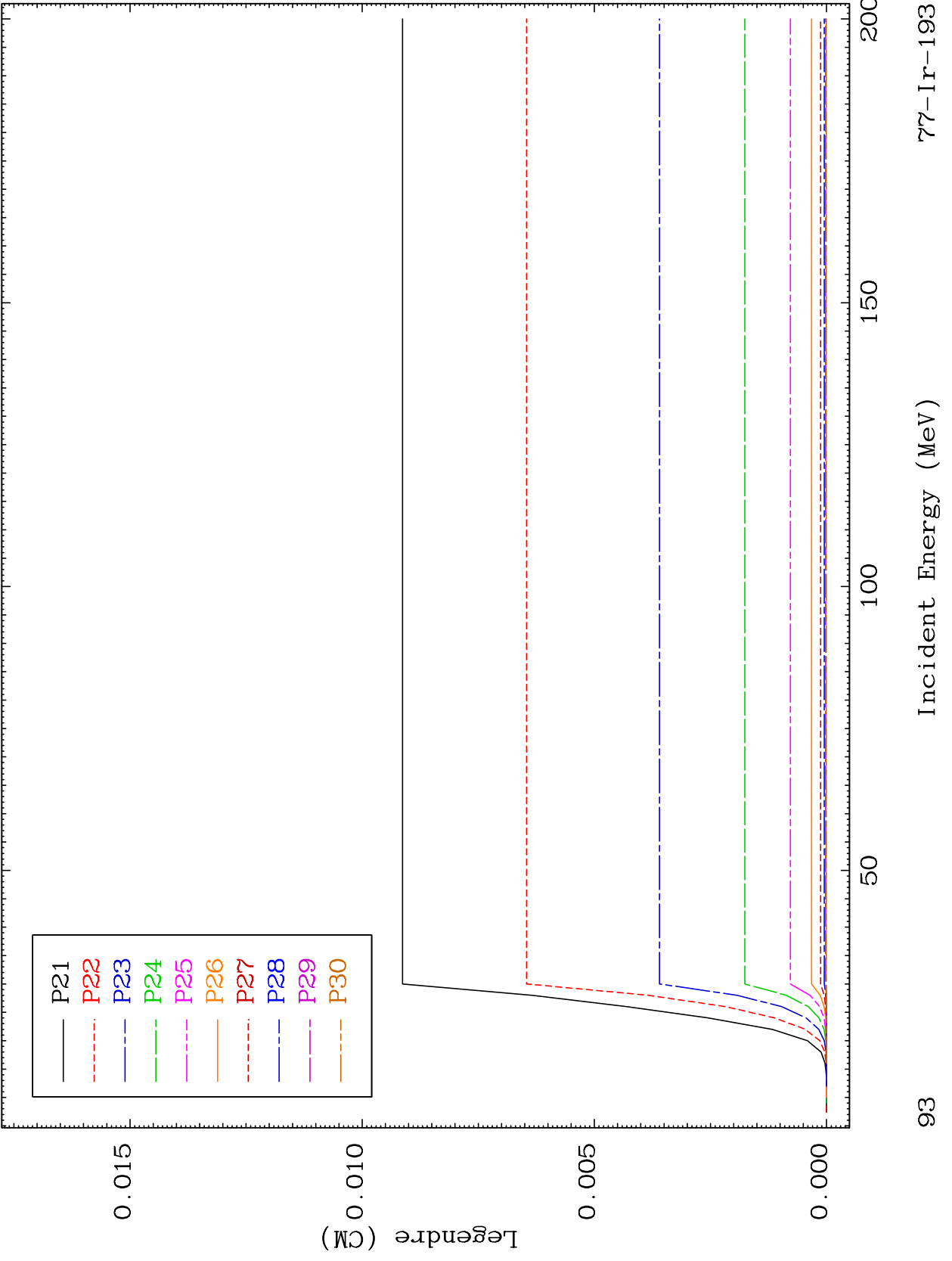
MT= 69 (n,n') Level
Legendre Coefficients

77-Ir-193



92

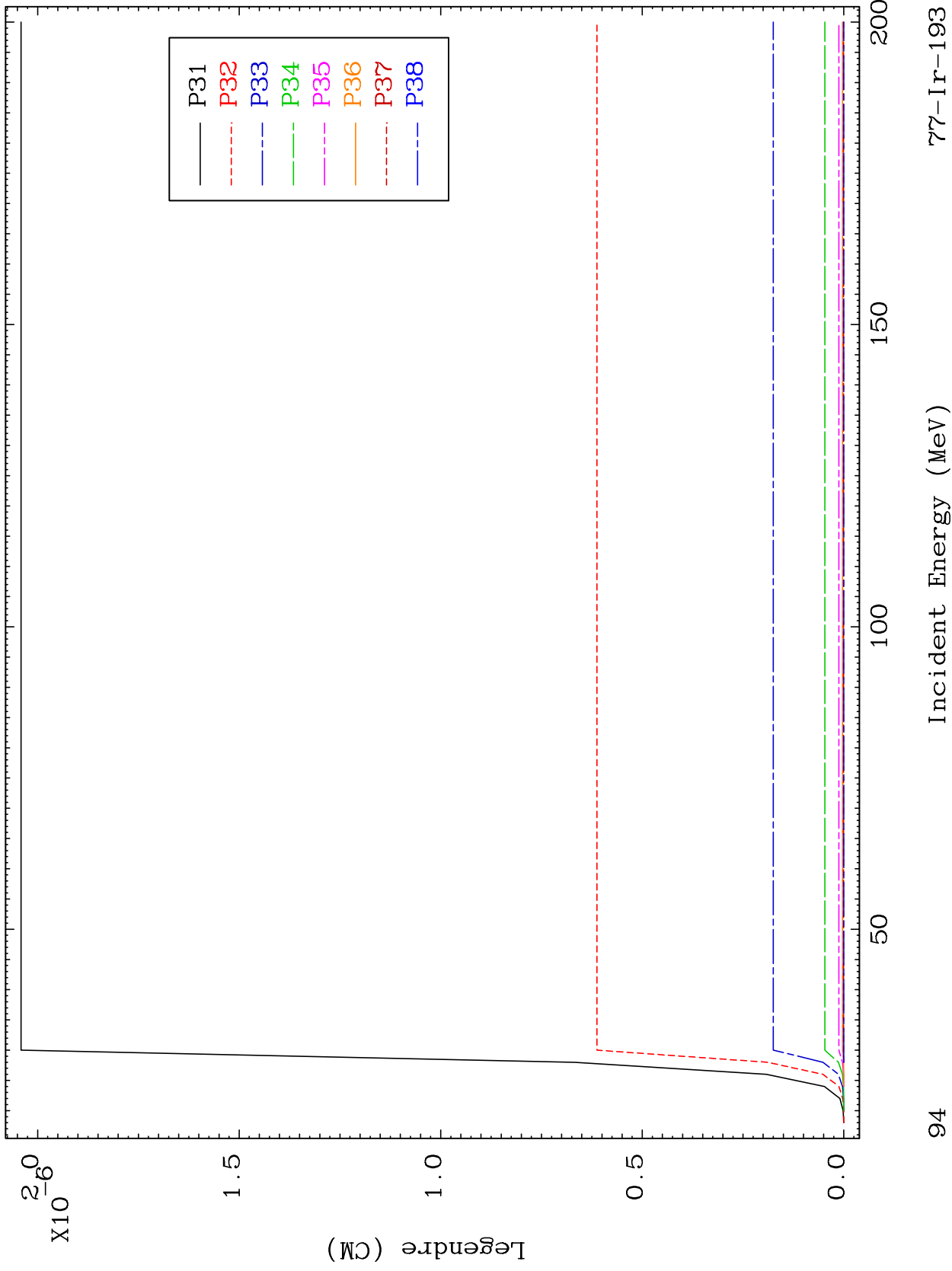
77-Ir-193



MAT 7731

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

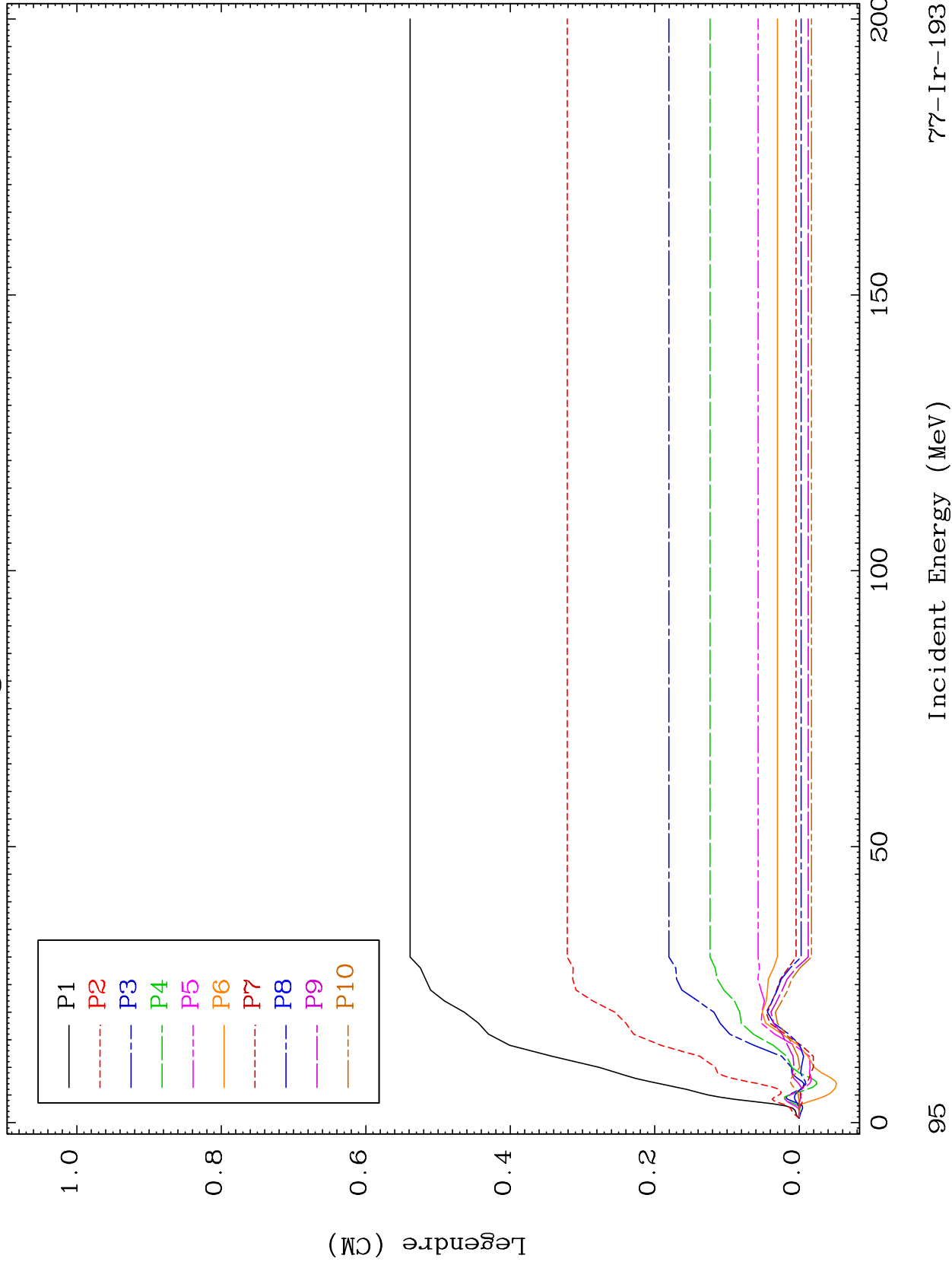
77-Ir-193

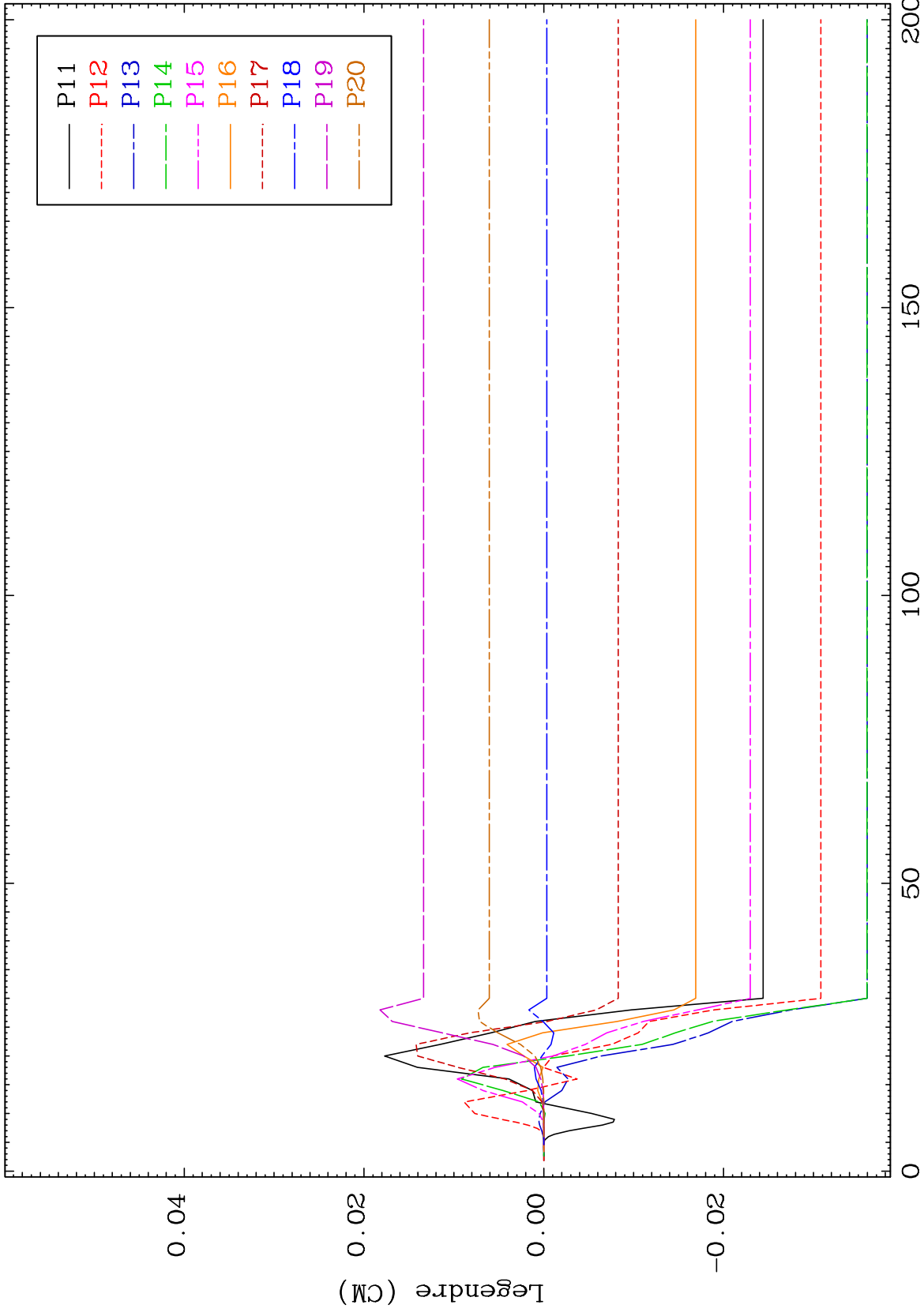


MAT 7731

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

77-Ir-193

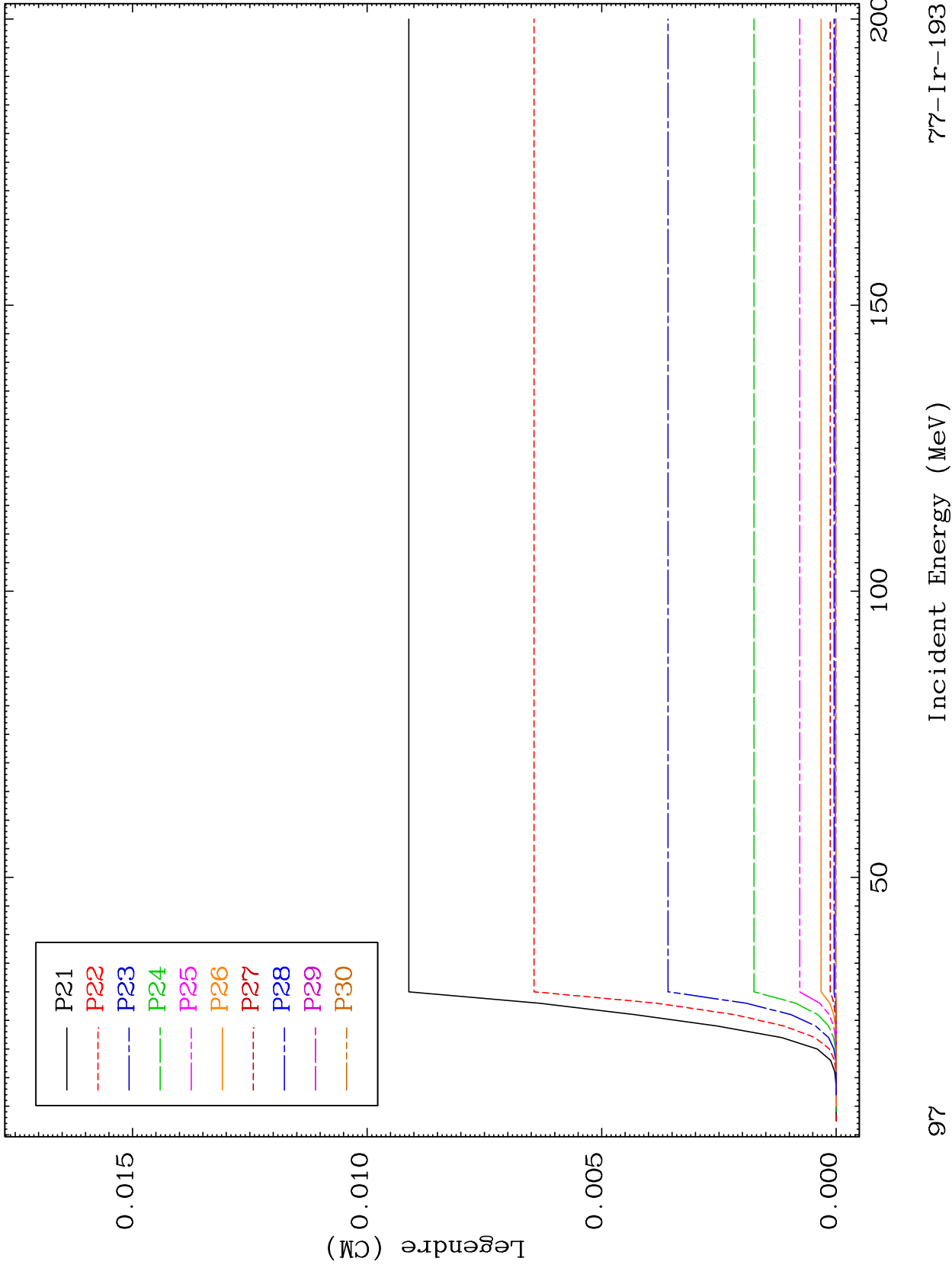




MAT 7731

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

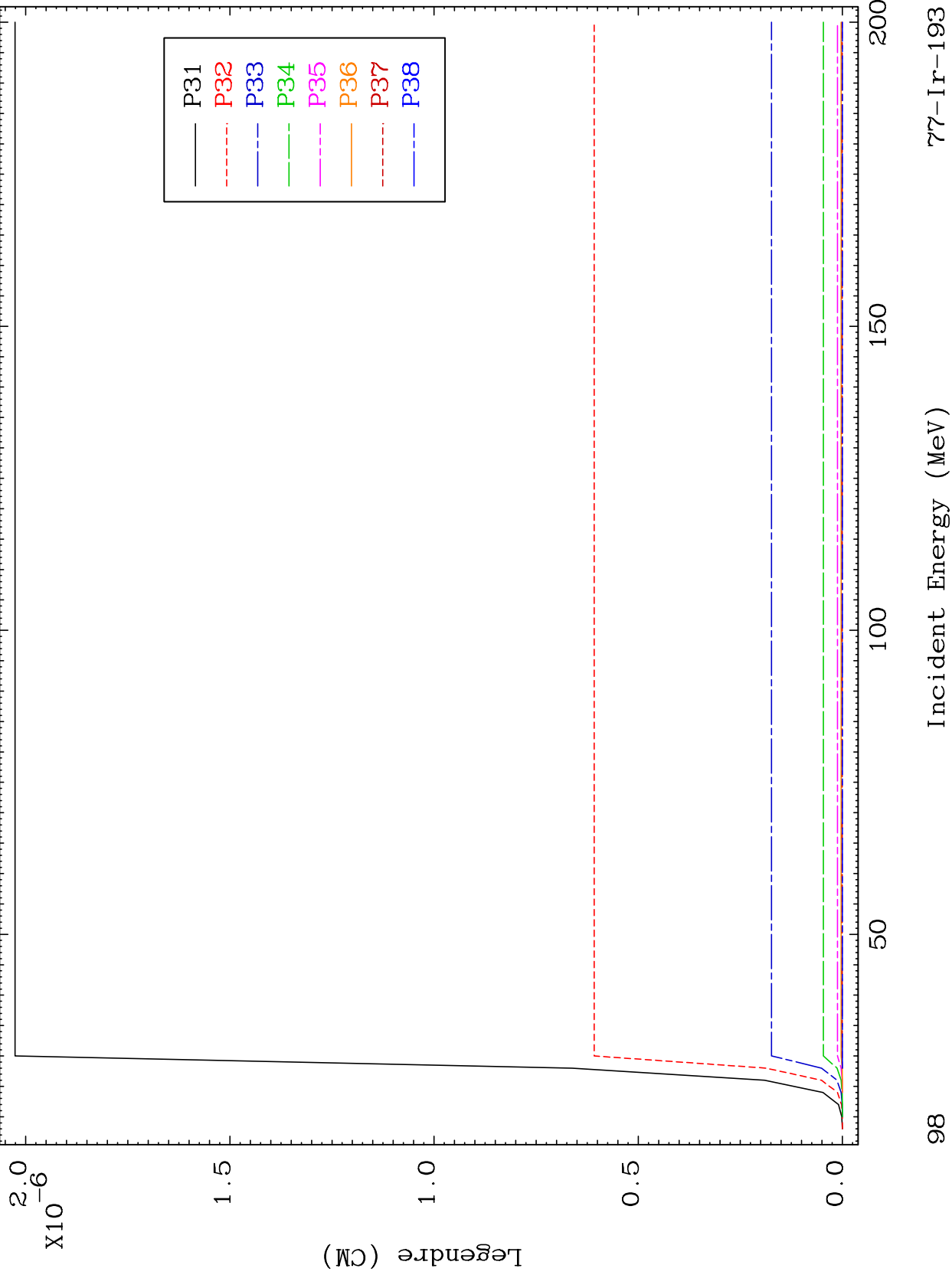
77-Ir-193

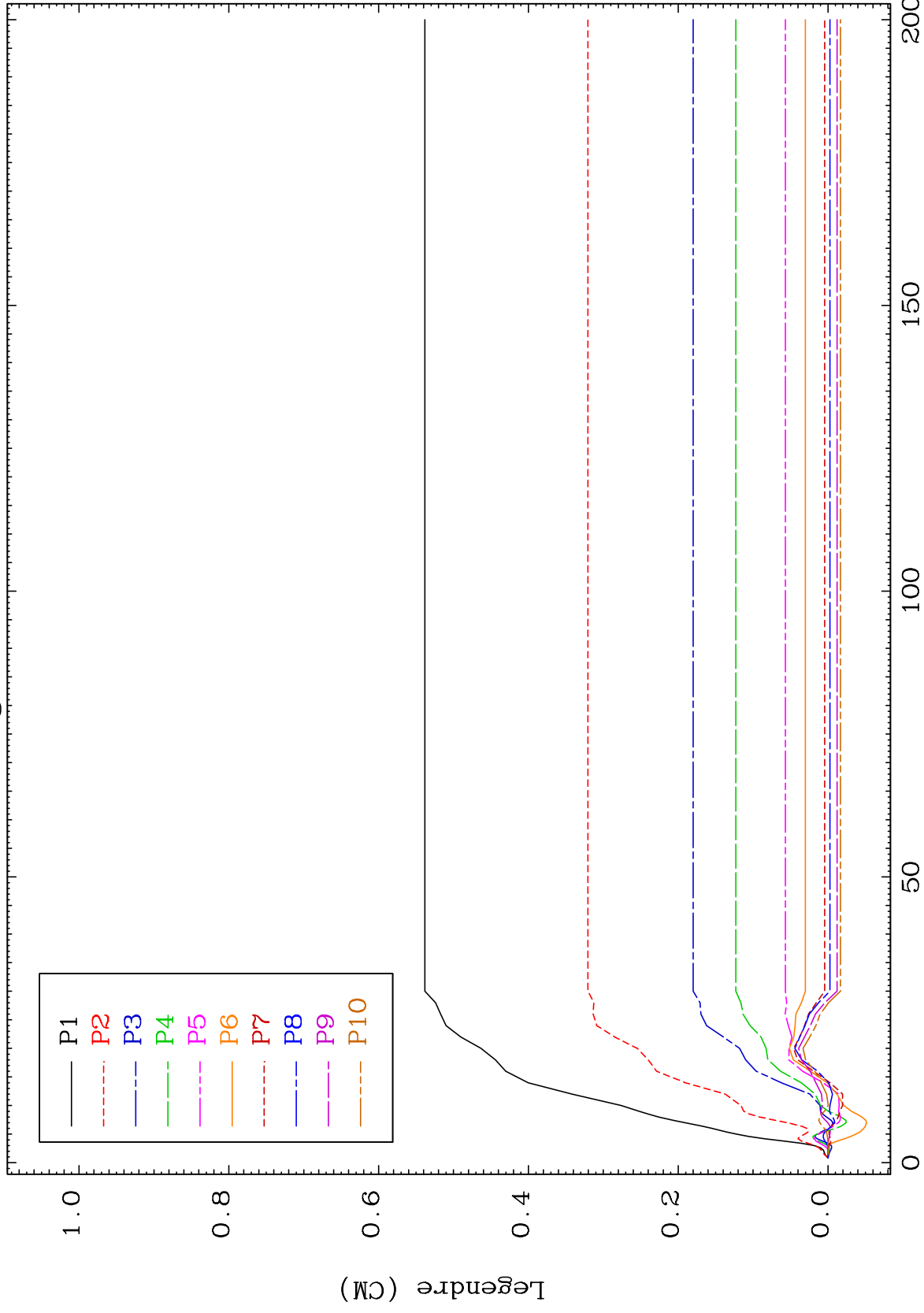


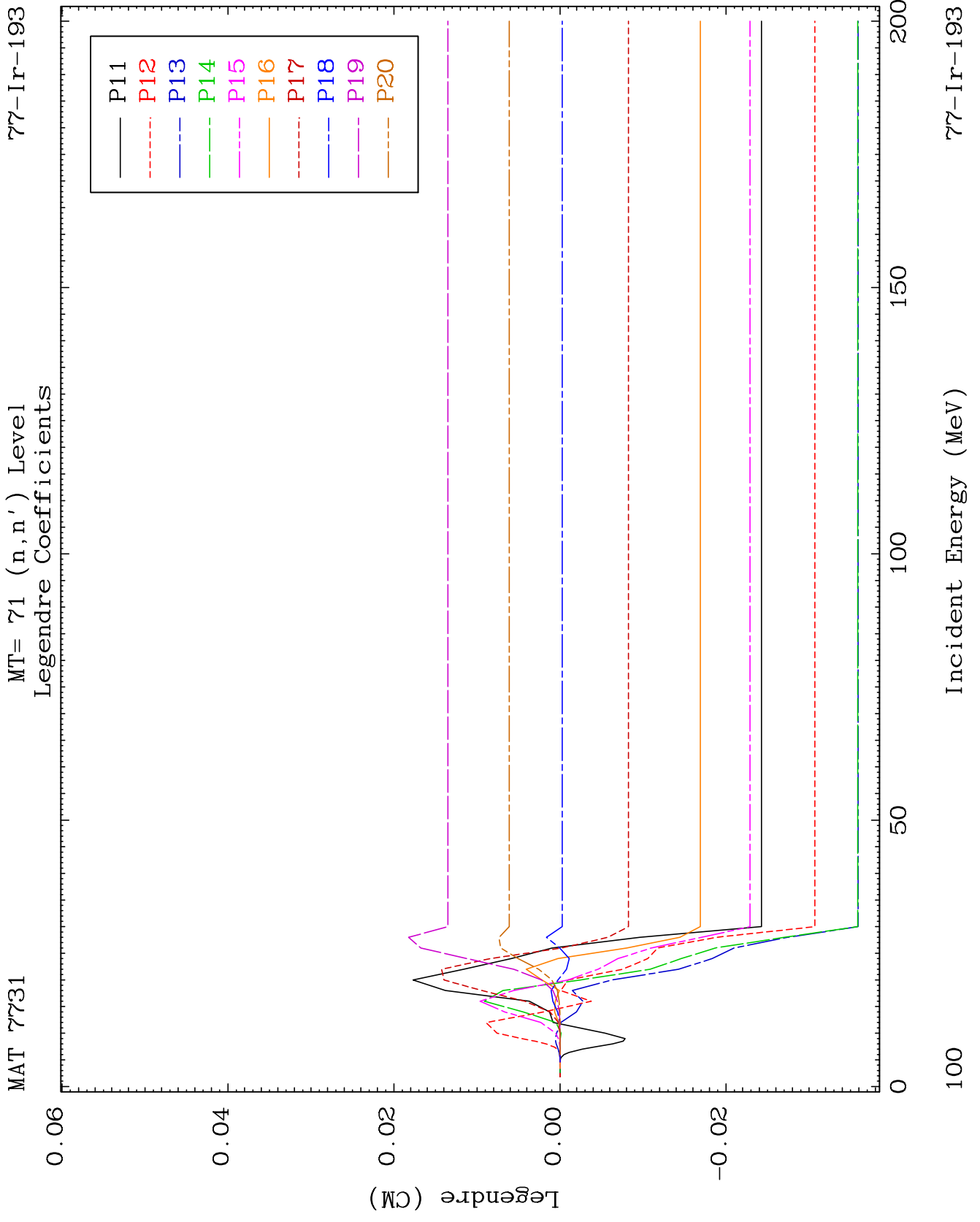
MAT 7731

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

77-Ir-193



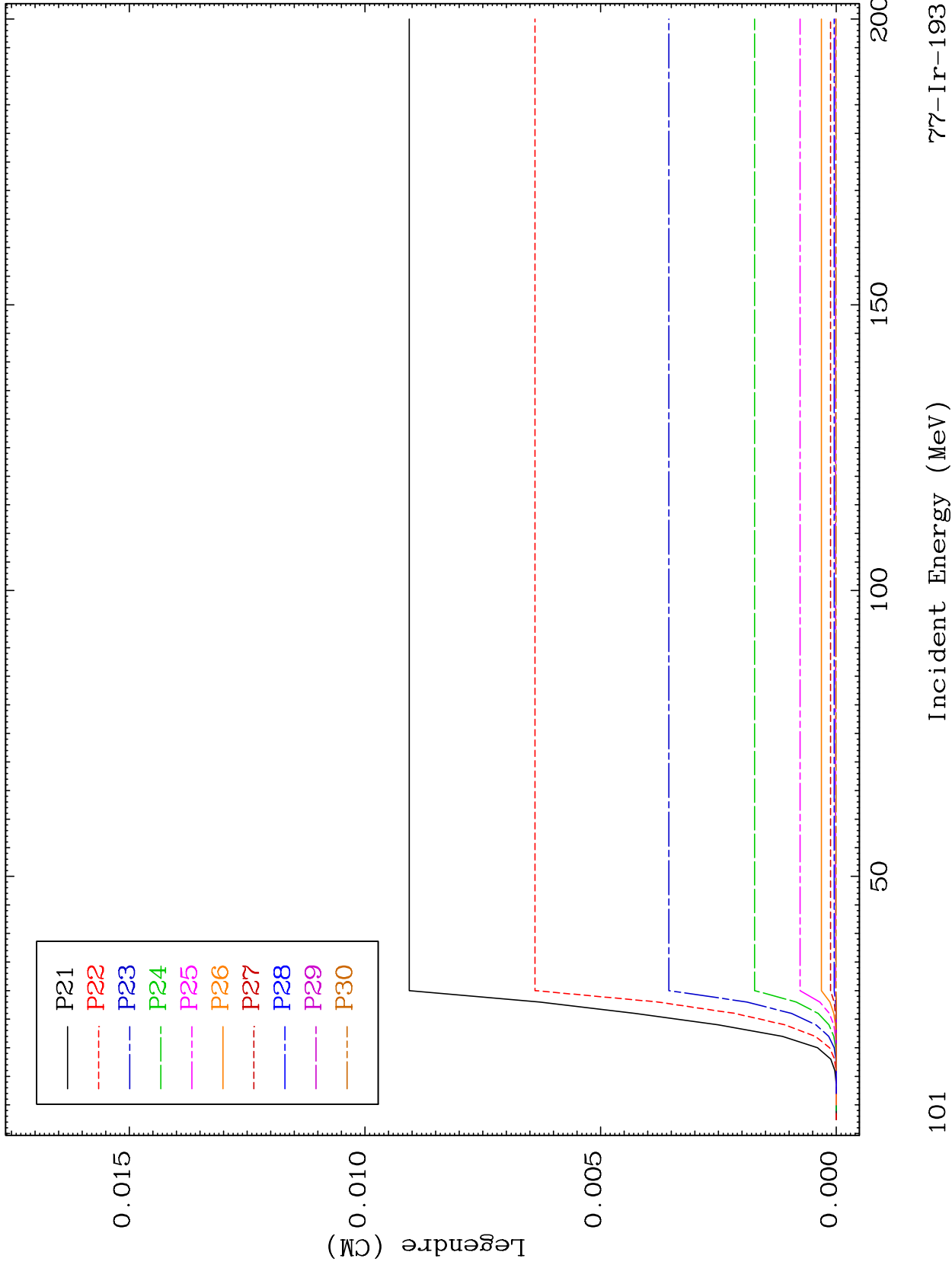




MAT 7731

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

77-Ir-193



101

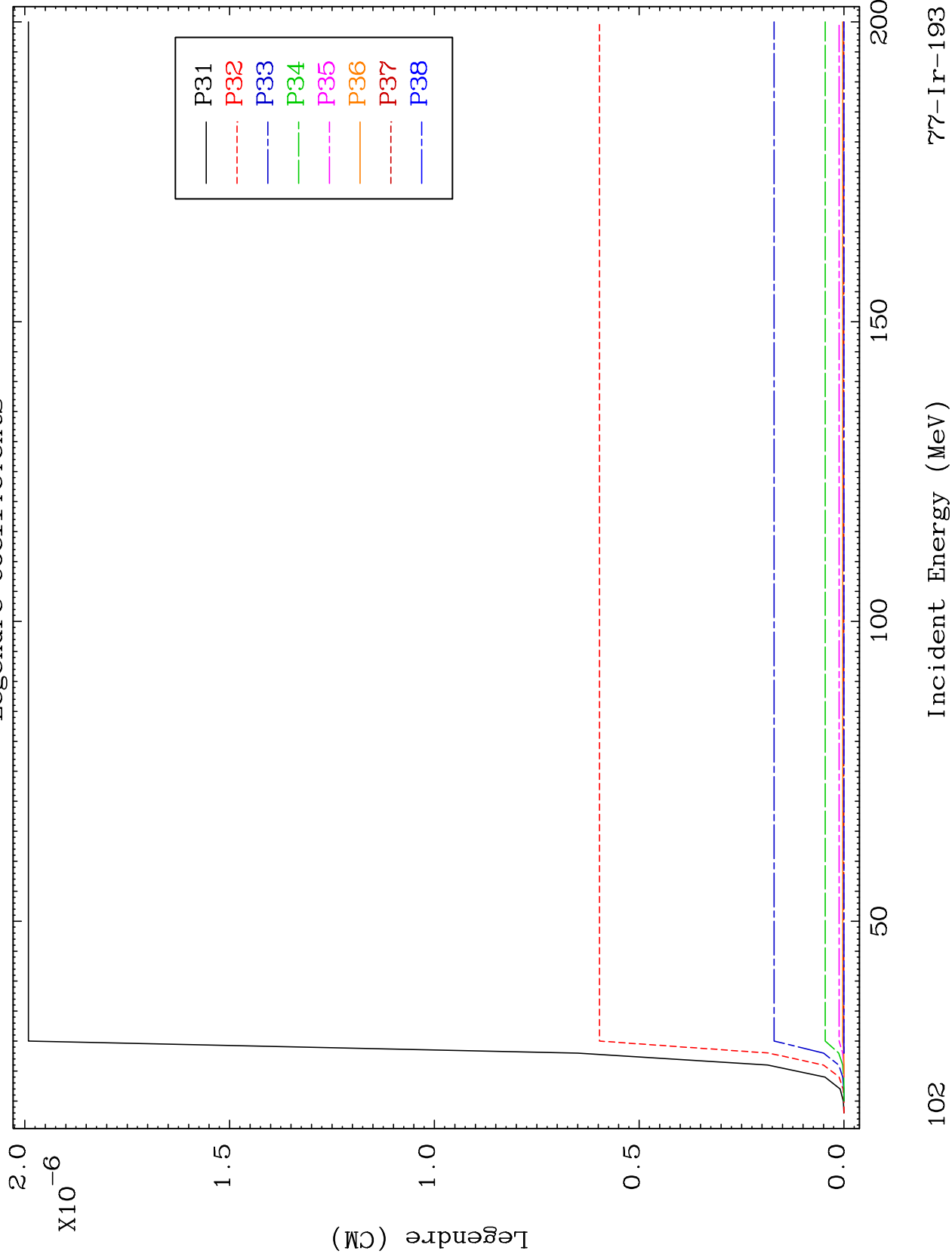
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

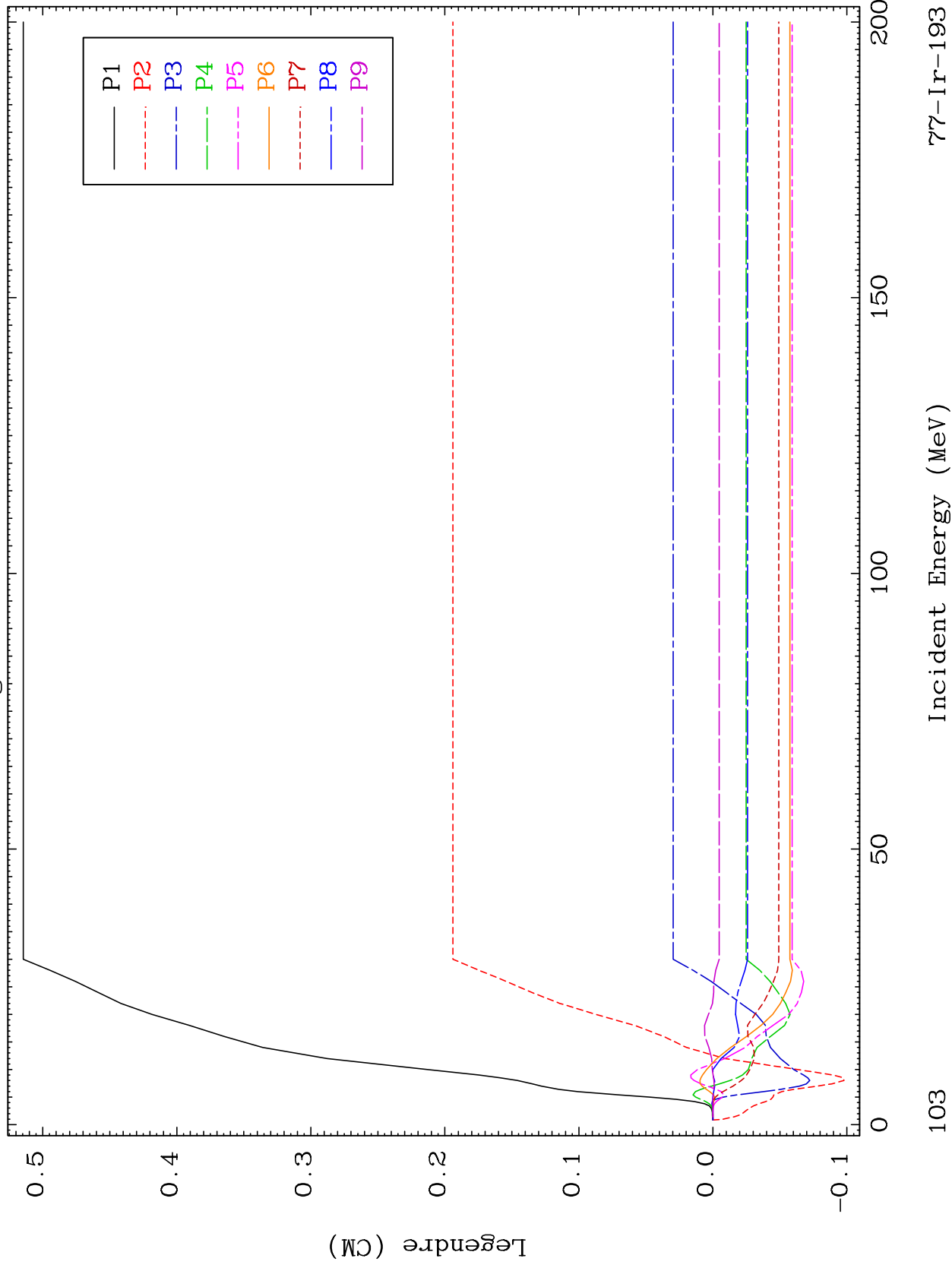
77-Ir-193



MAT 7731

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

77-Ir-193



77-Ir-193

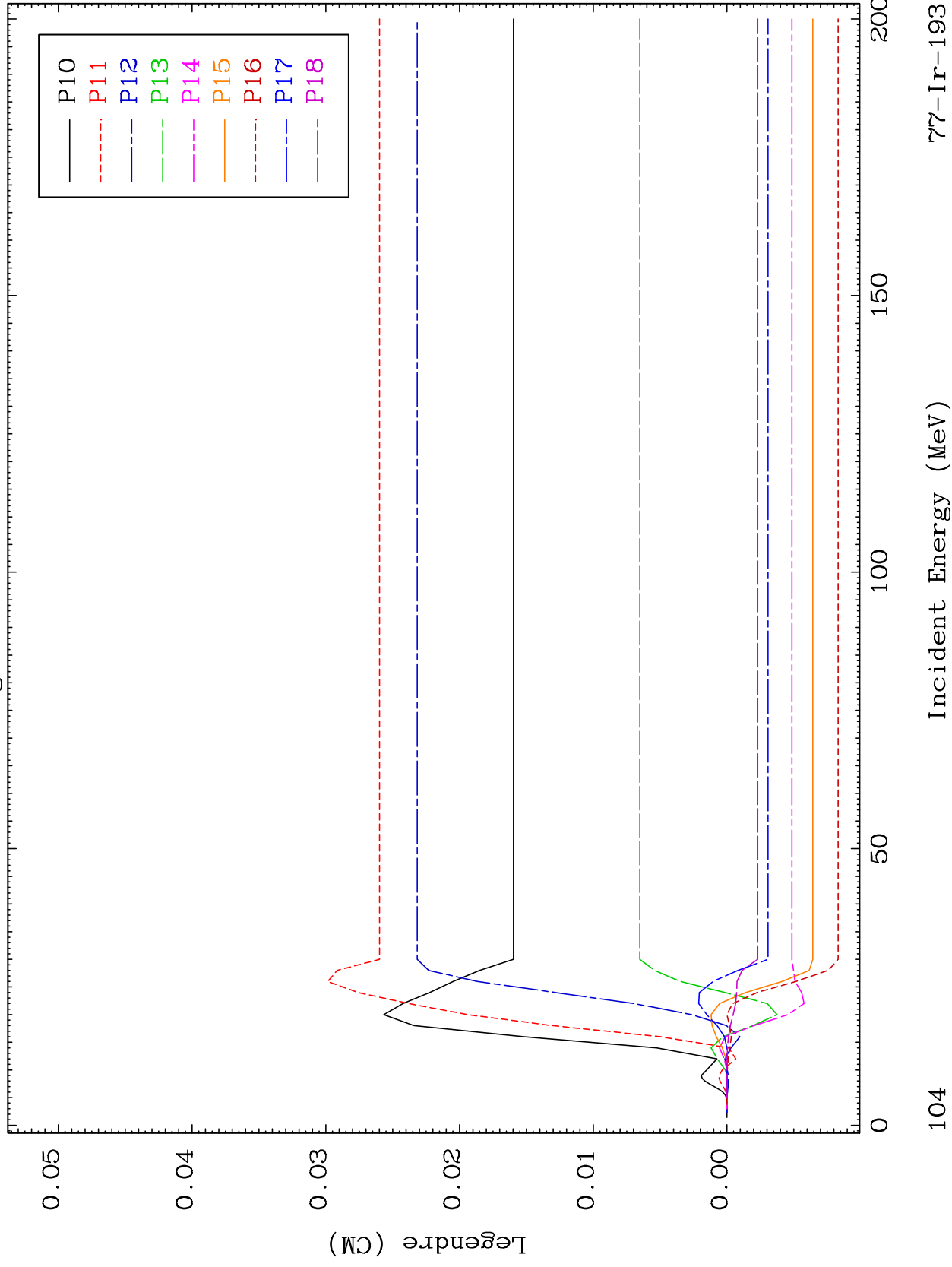
Incident Energy (MeV)

103

MAT 7731

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

77-Ir-193



104

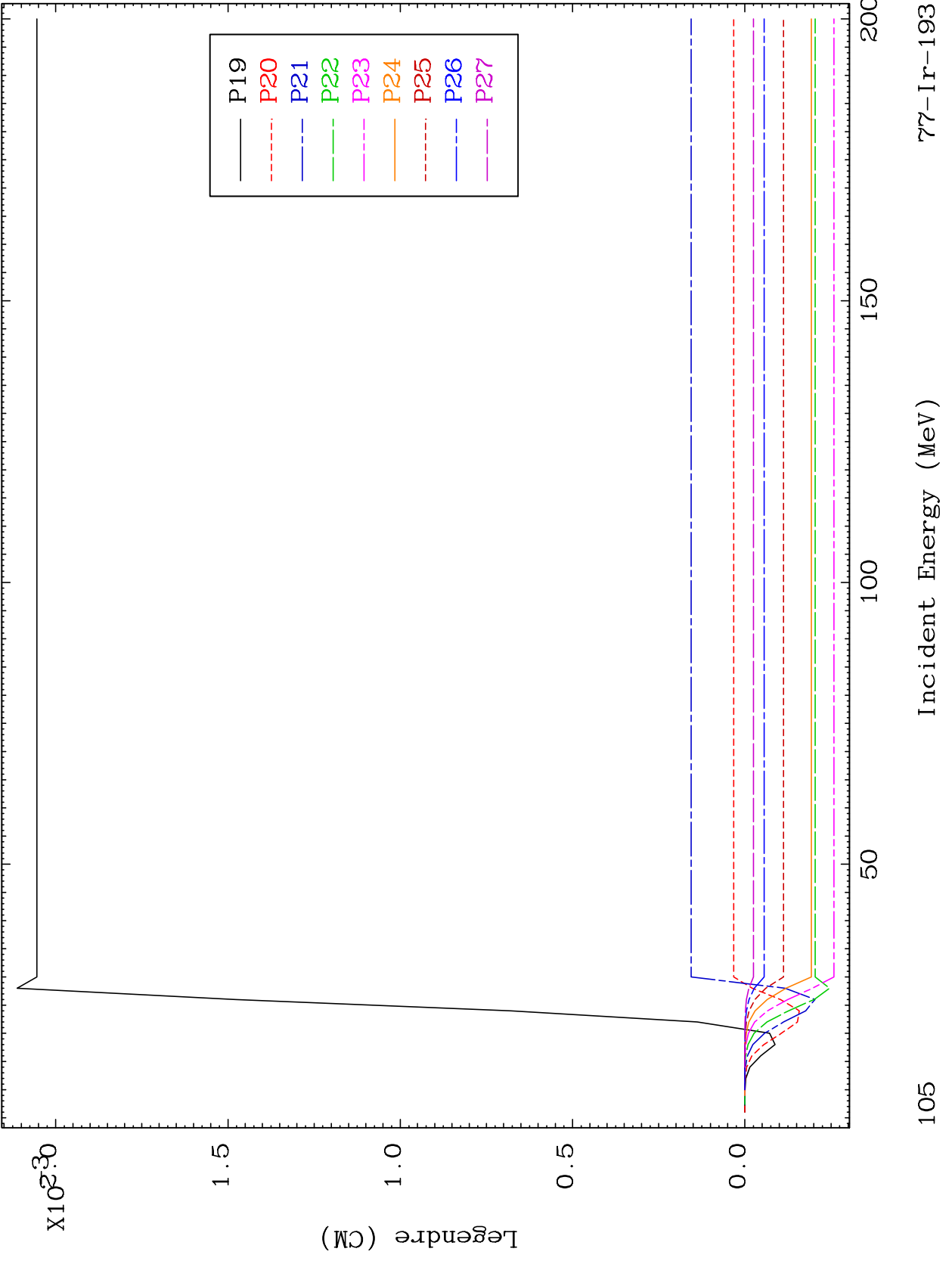
Incident Energy (MeV)

77-Ir-193

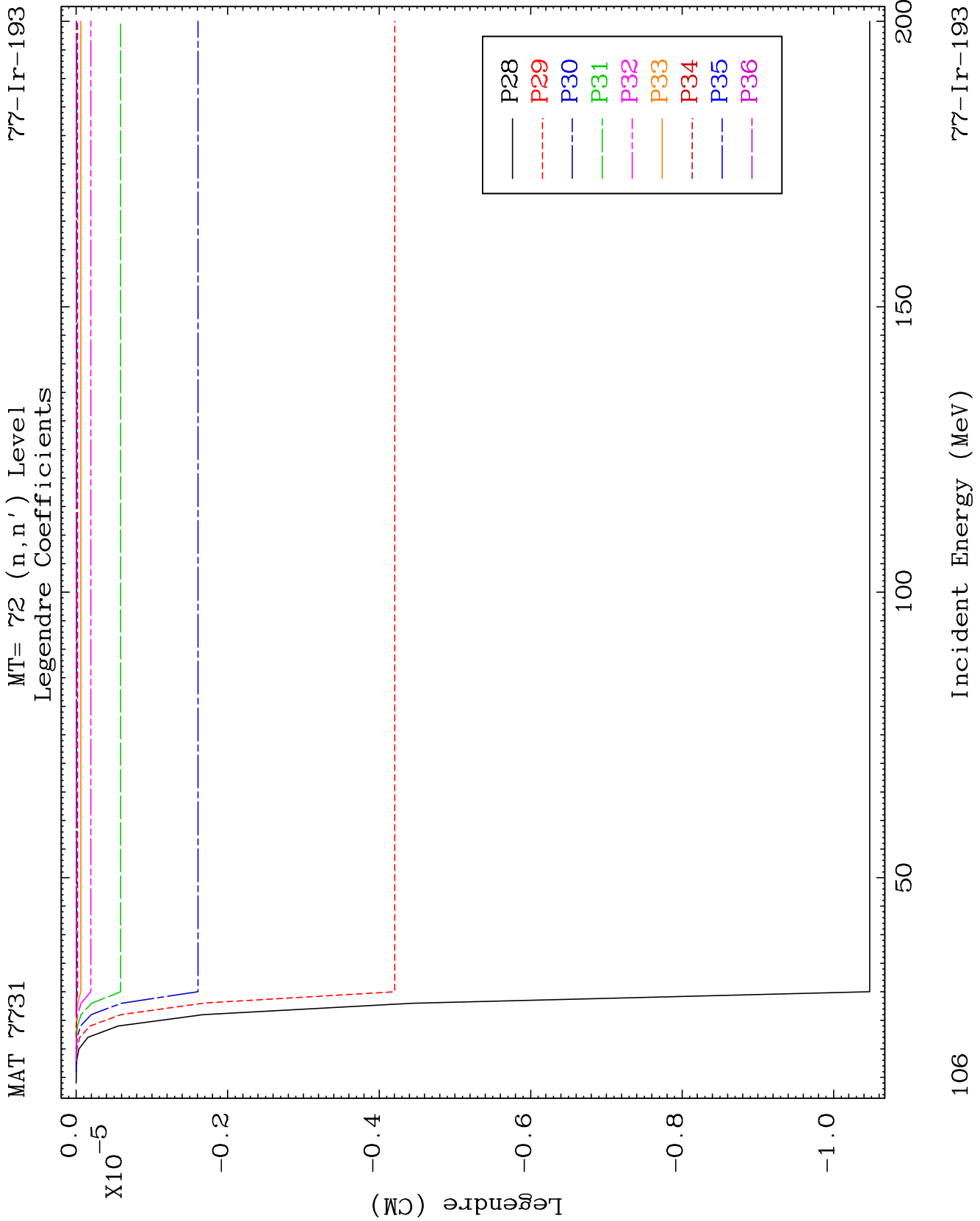
MAT 7731

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

77-Ir-193



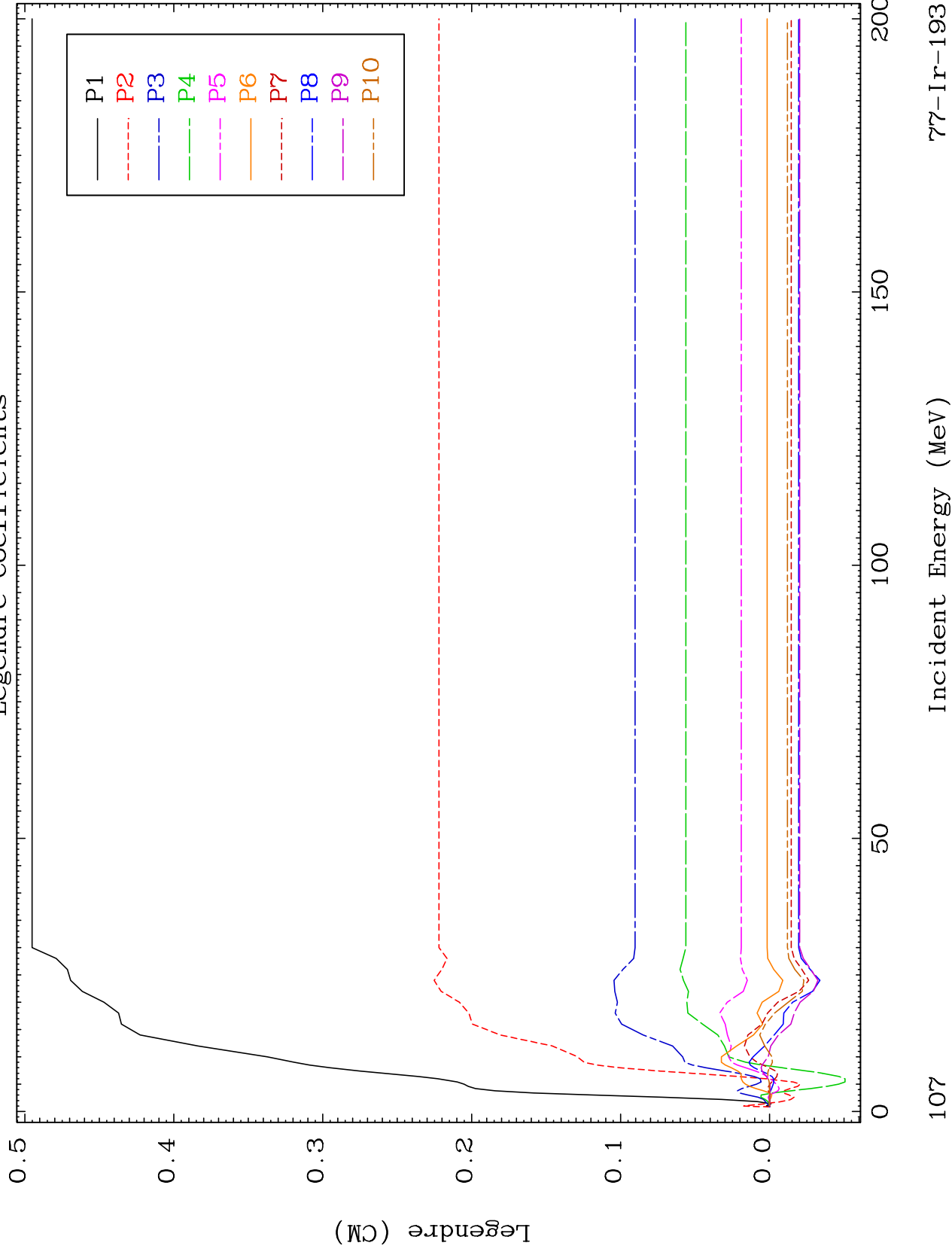
105



MAT 7731

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

77-Ir-193



77-Ir-193

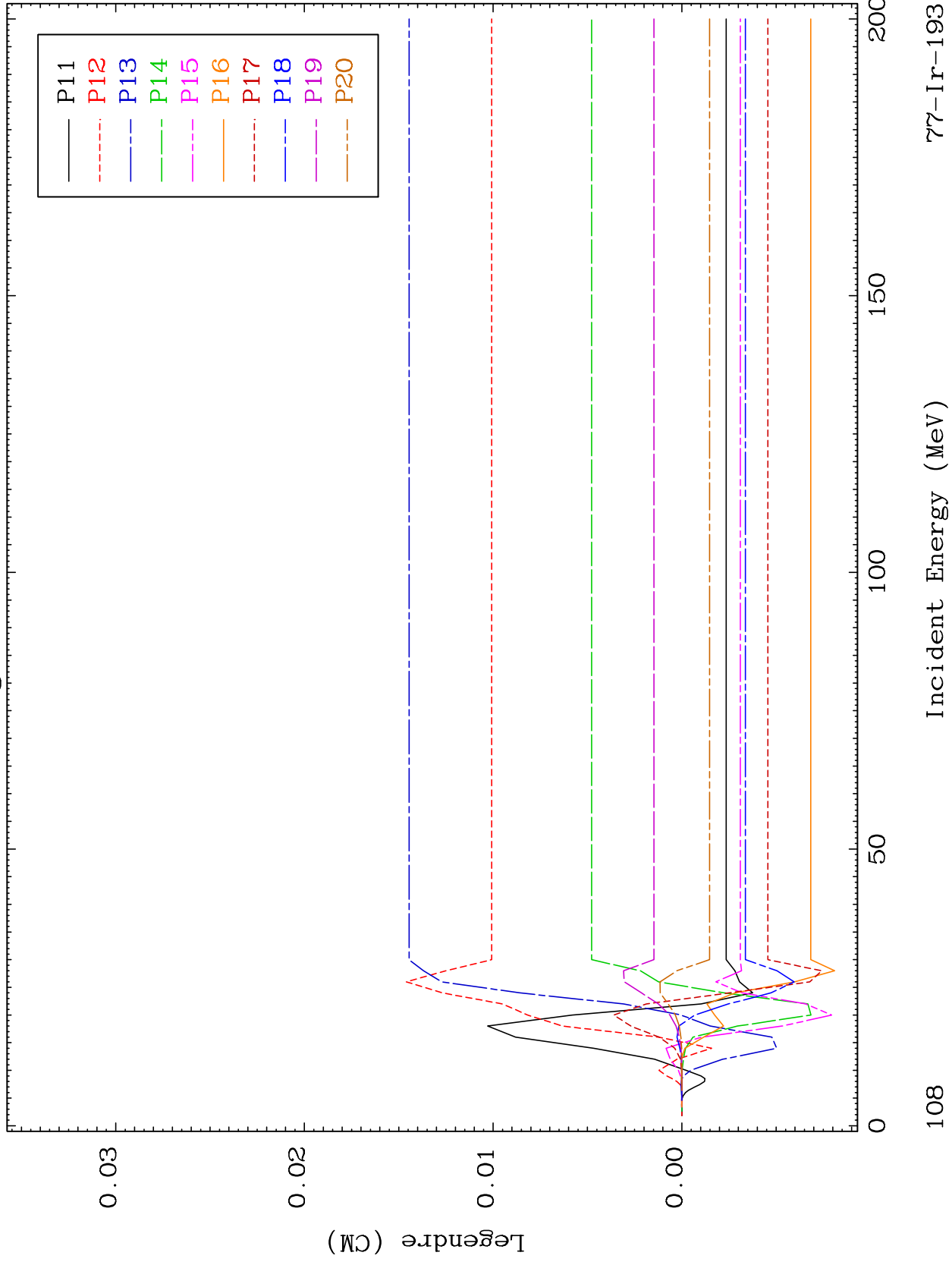
Incident Energy (MeV)

107

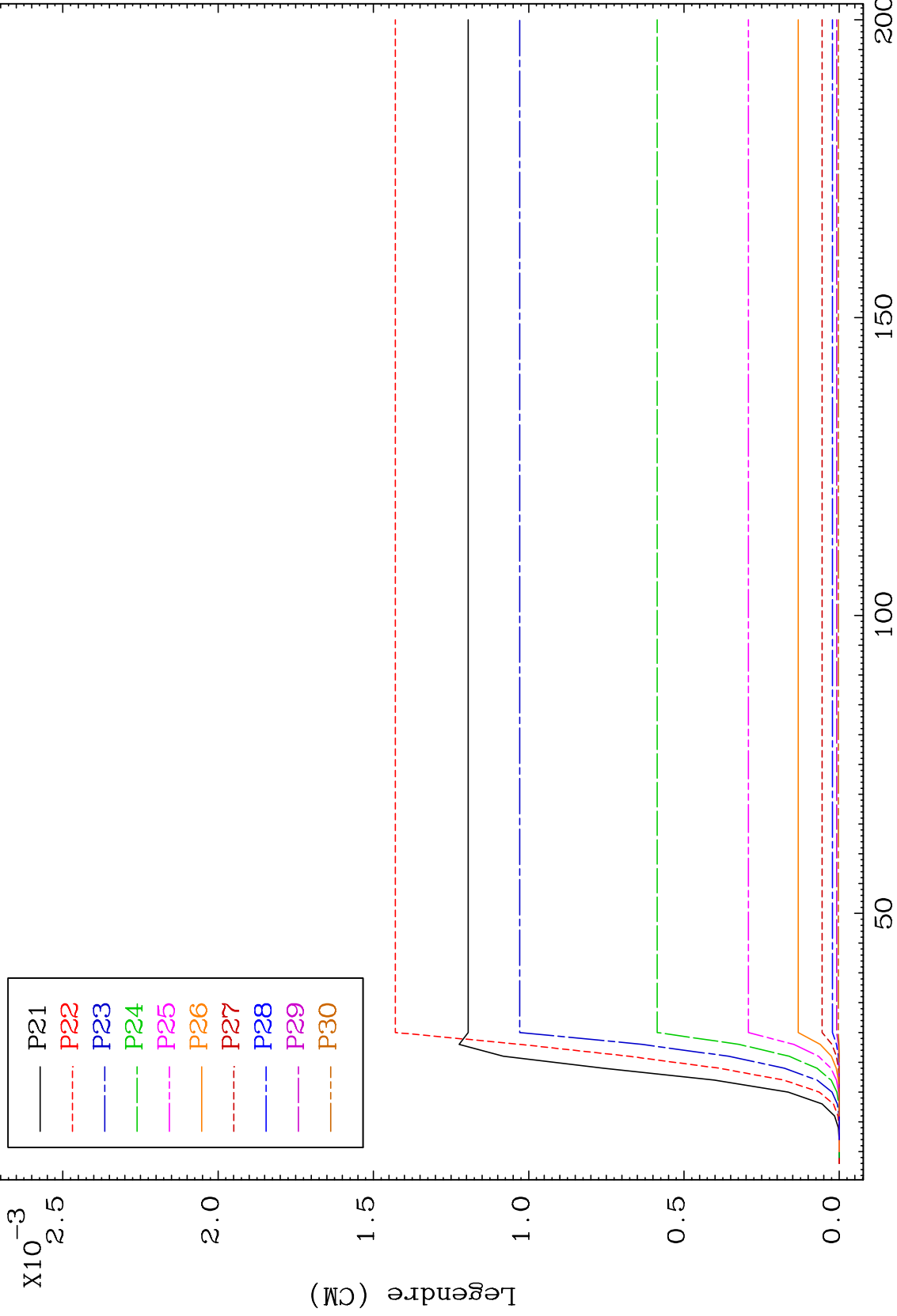
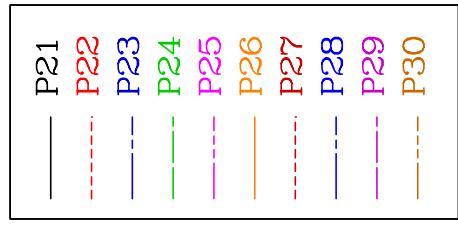
MAT 7731

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

77-Ir-193



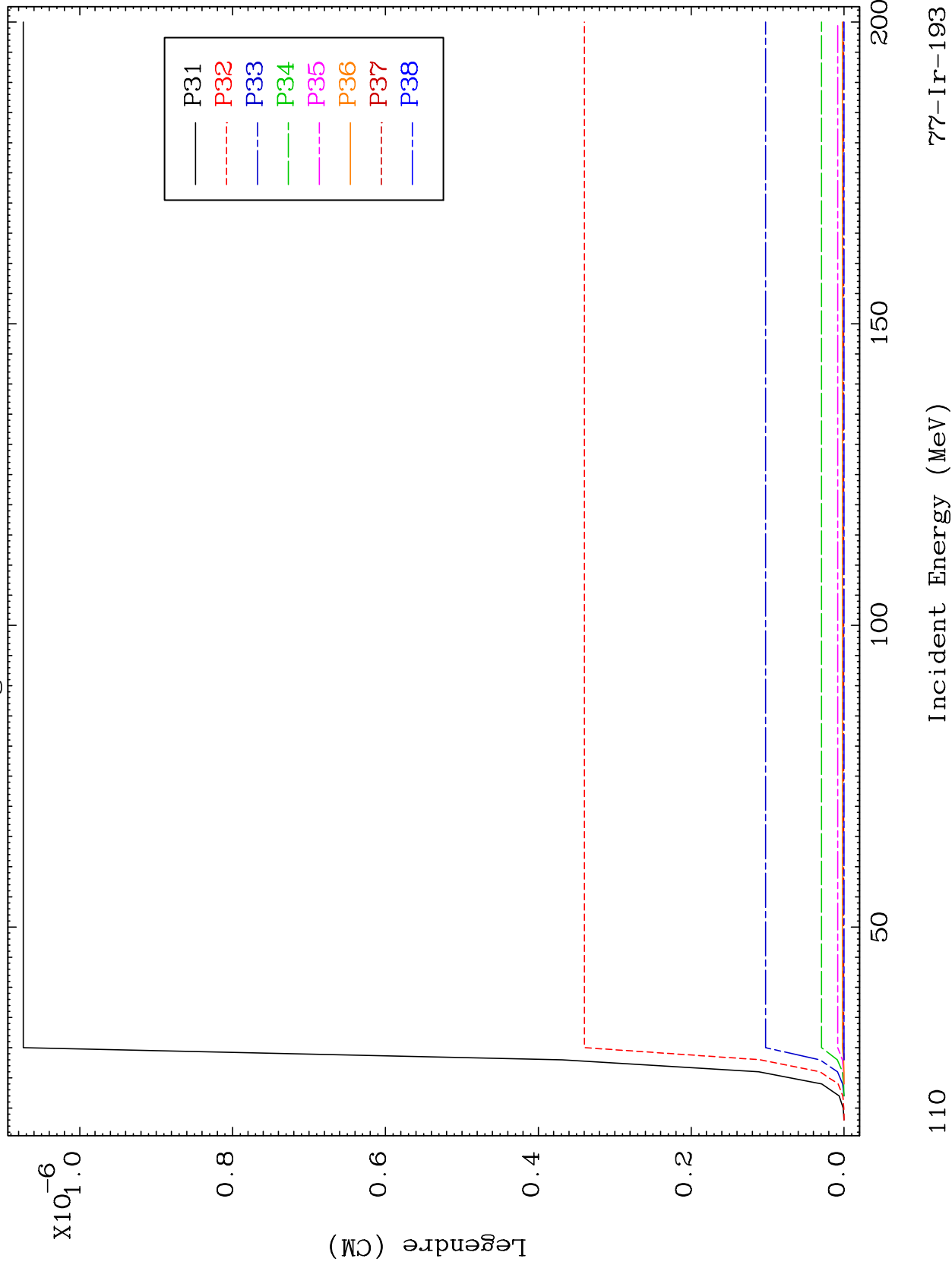
108



MAT 7731

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

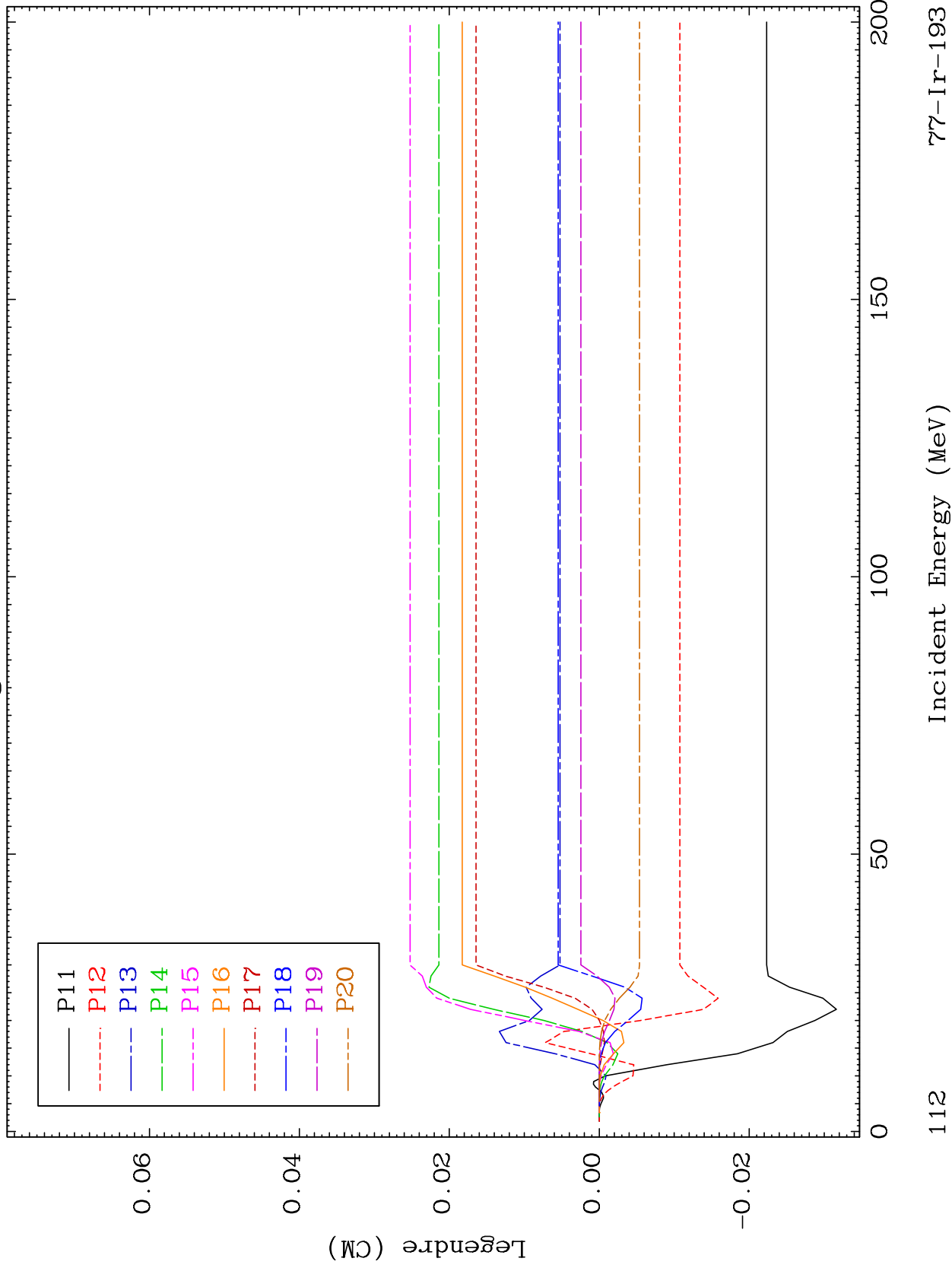
77-Ir-193



MAT 7731

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

77-Ir-193



112

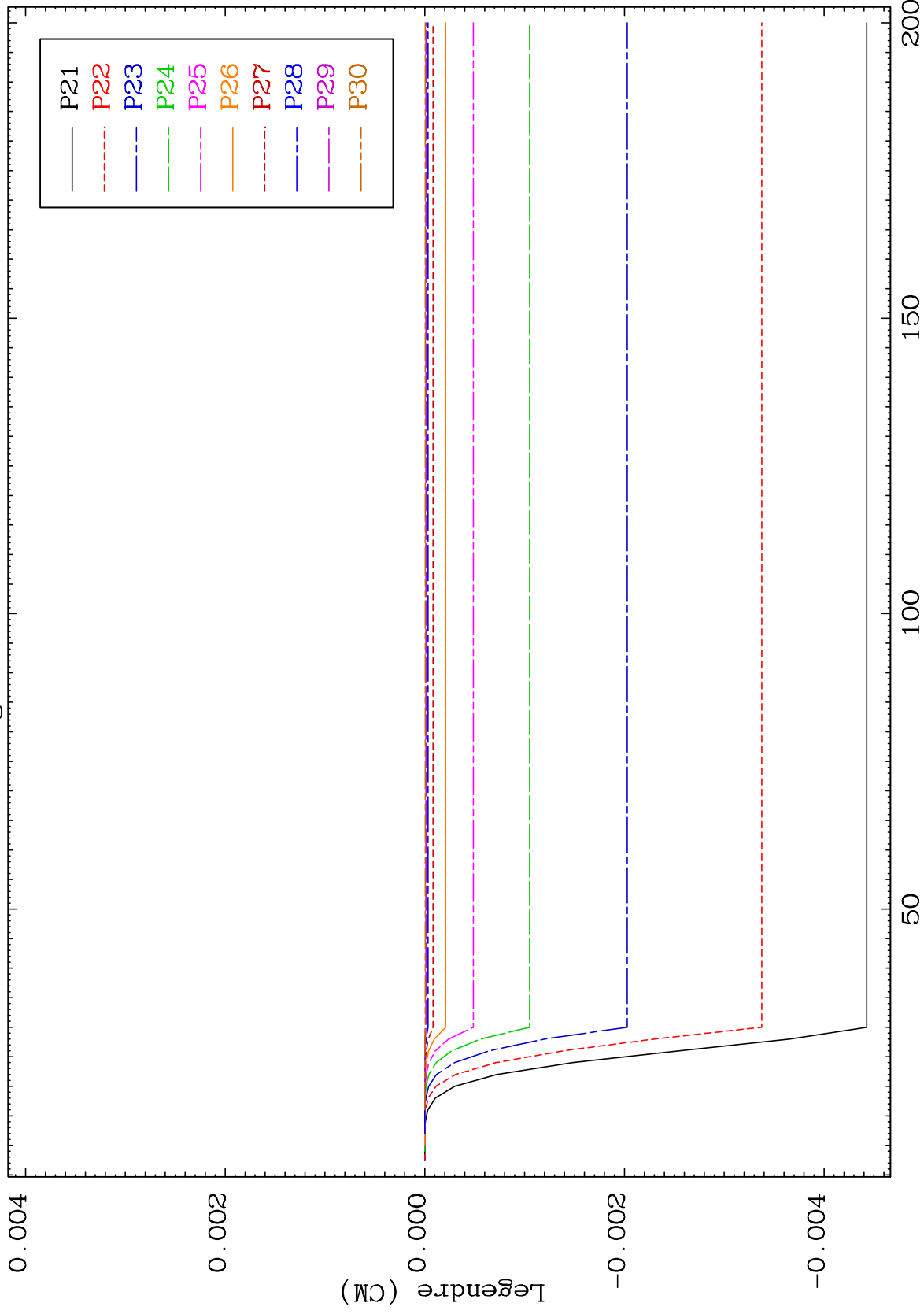
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

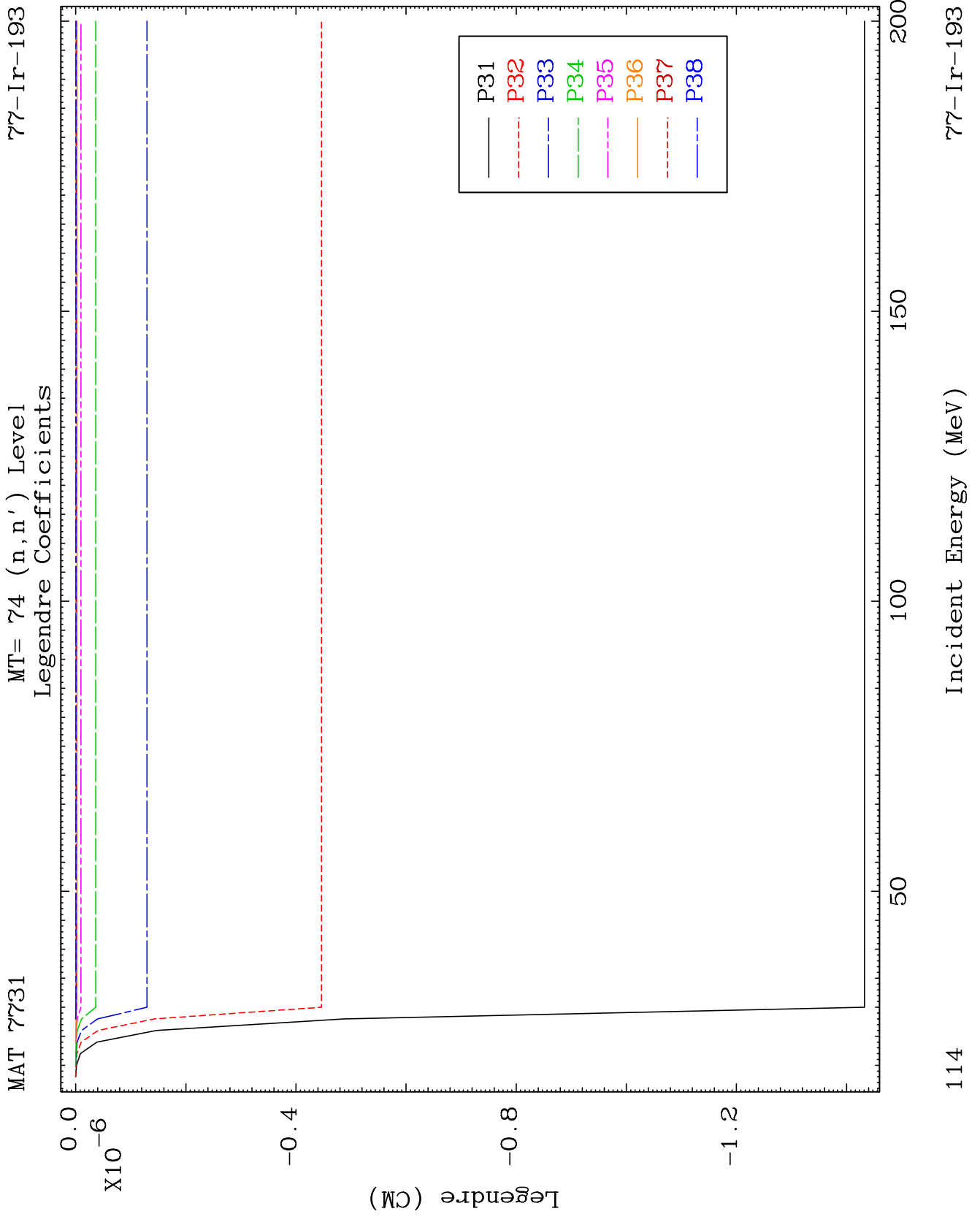
77-Ir-193



113

Incident Energy (MeV)

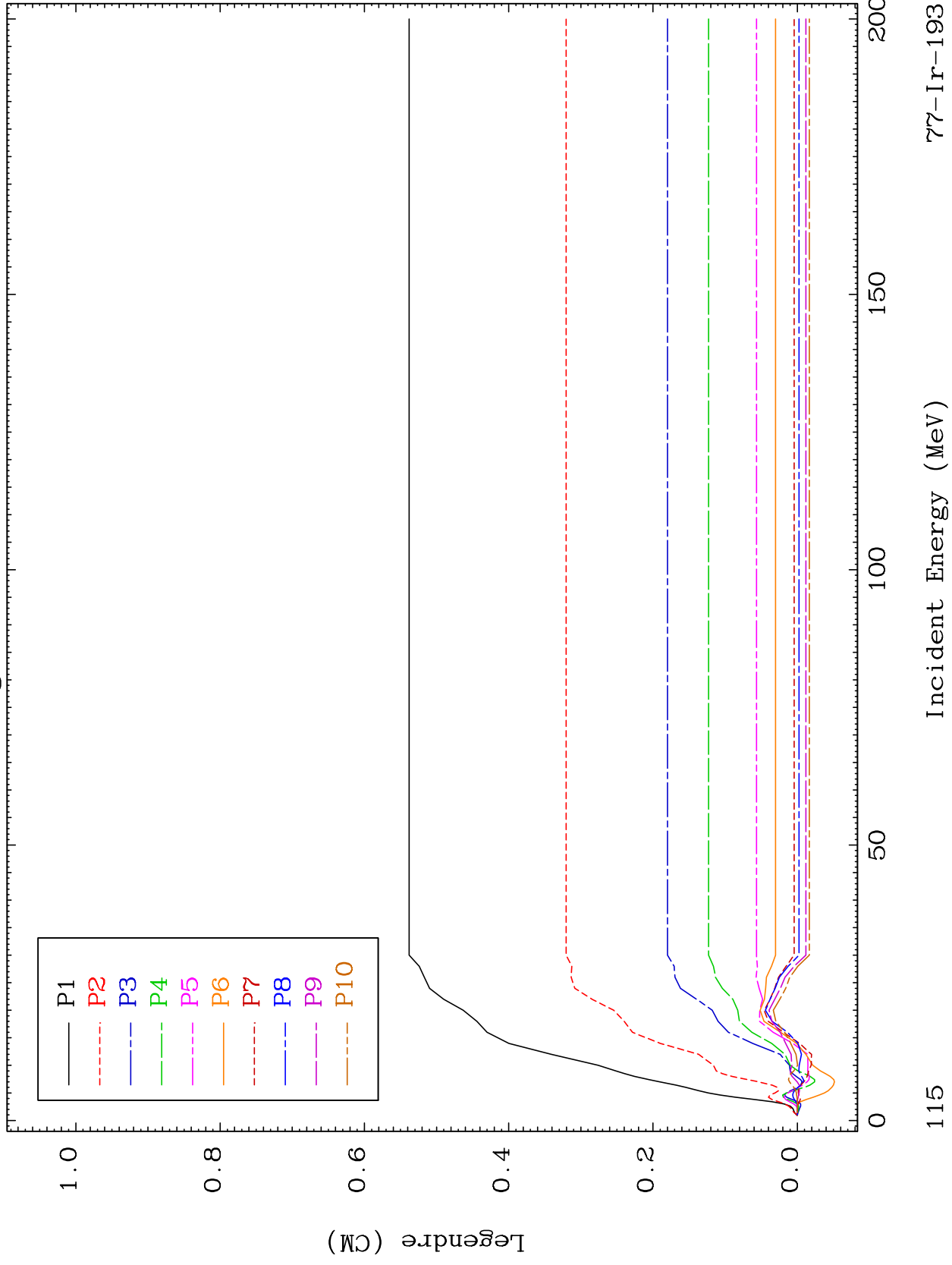
77-Ir-193



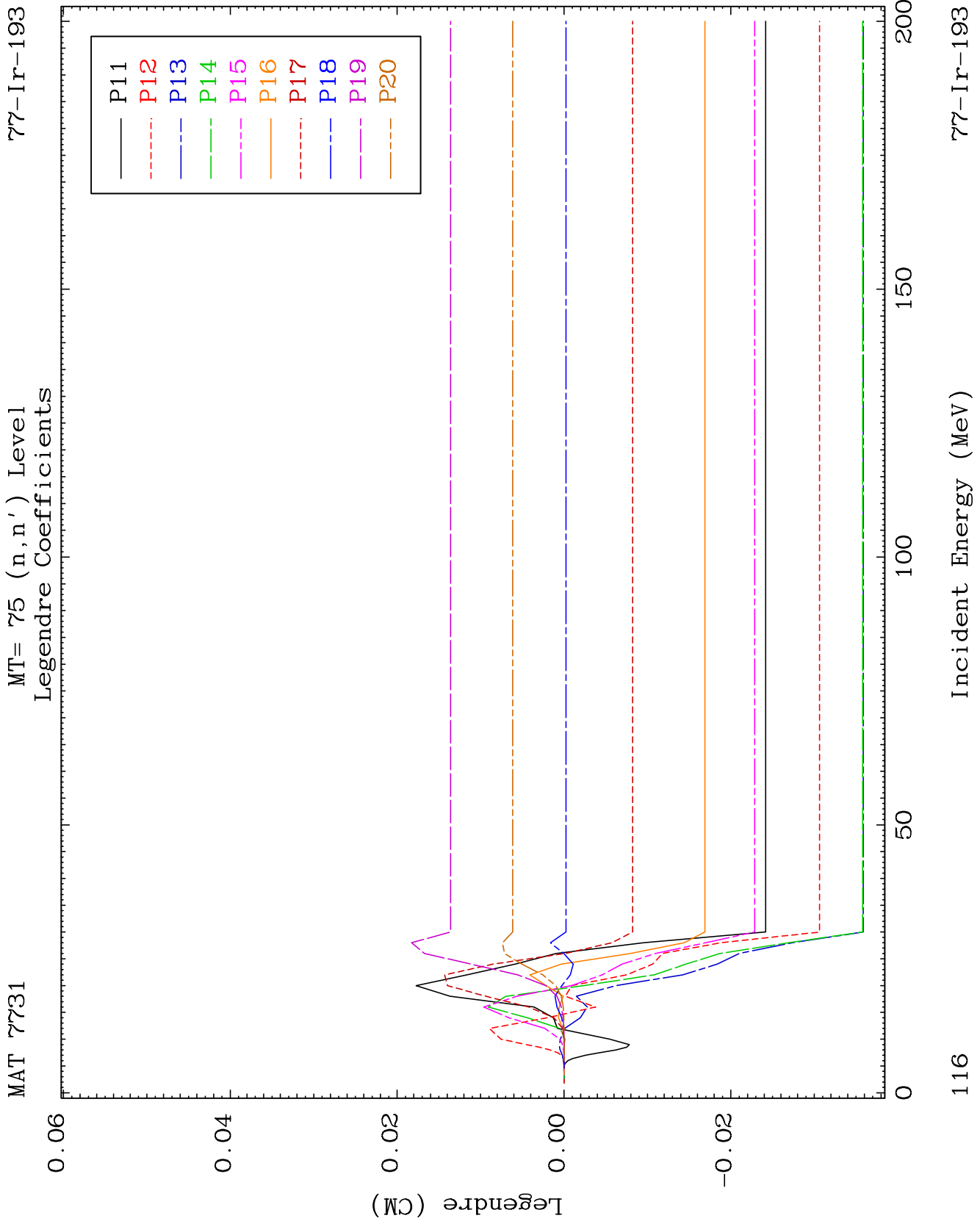
MAT 7731

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

77-Ir-193



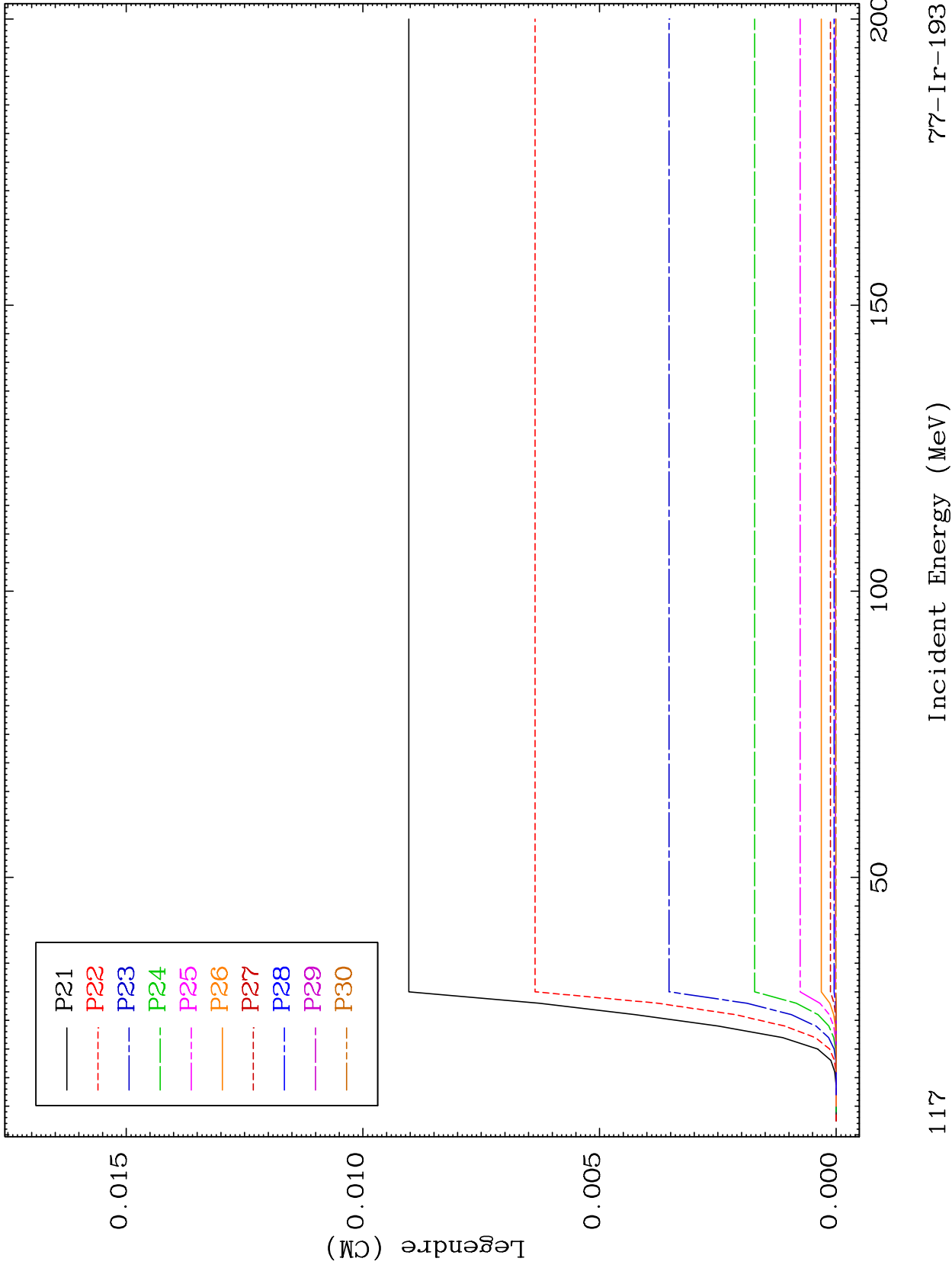
115



MAT 7731

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

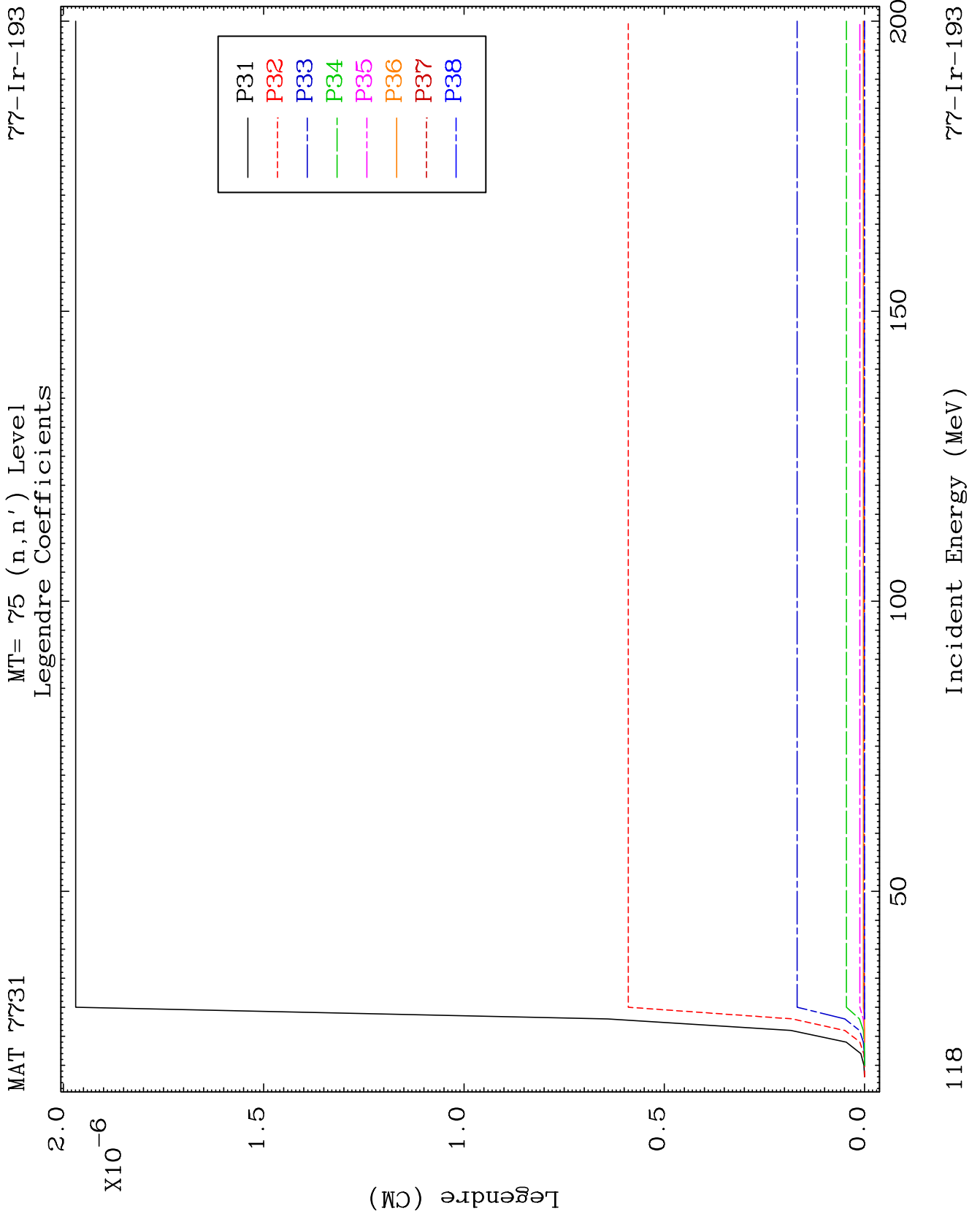
77-Ir-193



117

Incident Energy (MeV)

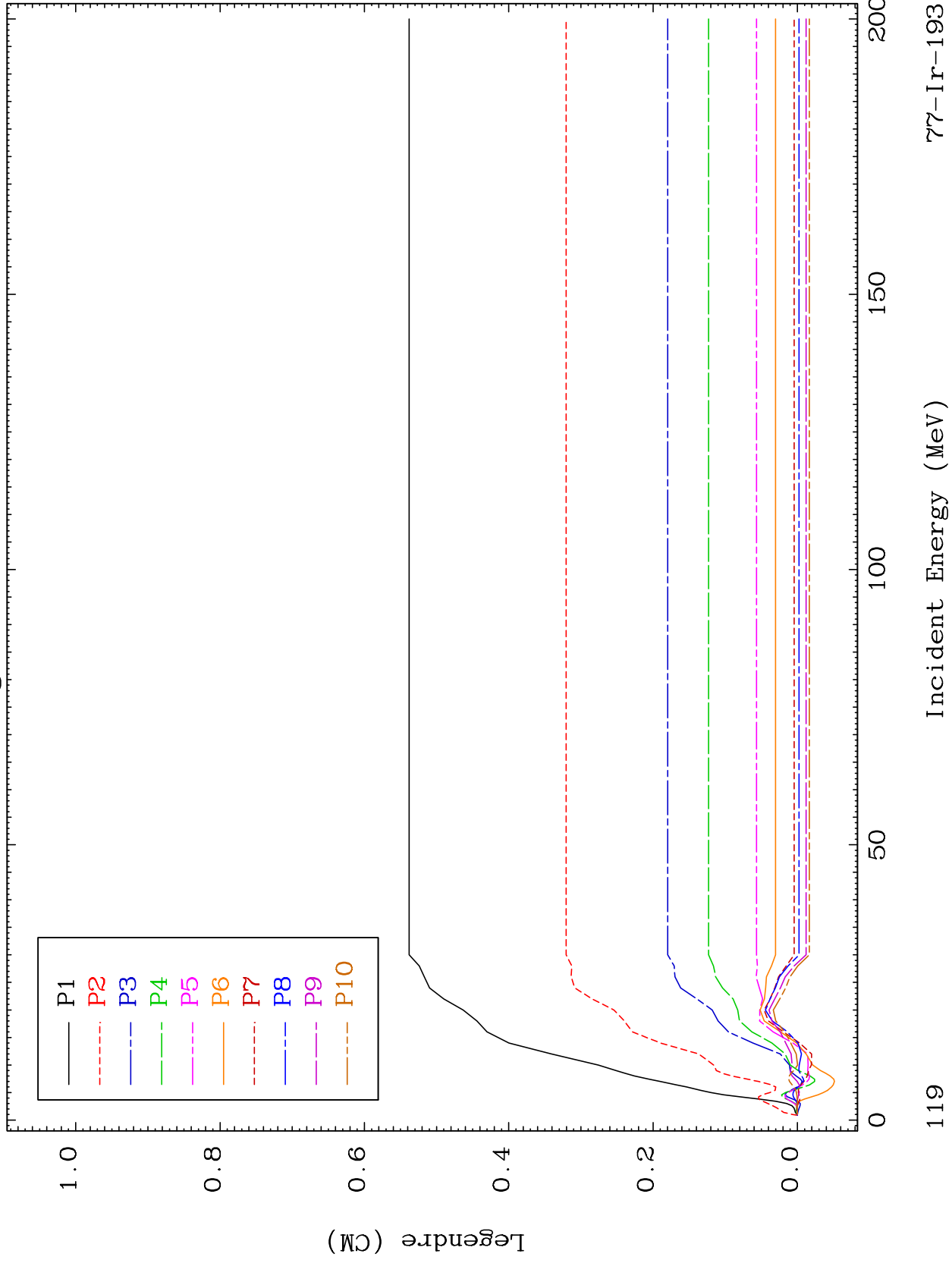
77-Ir-193

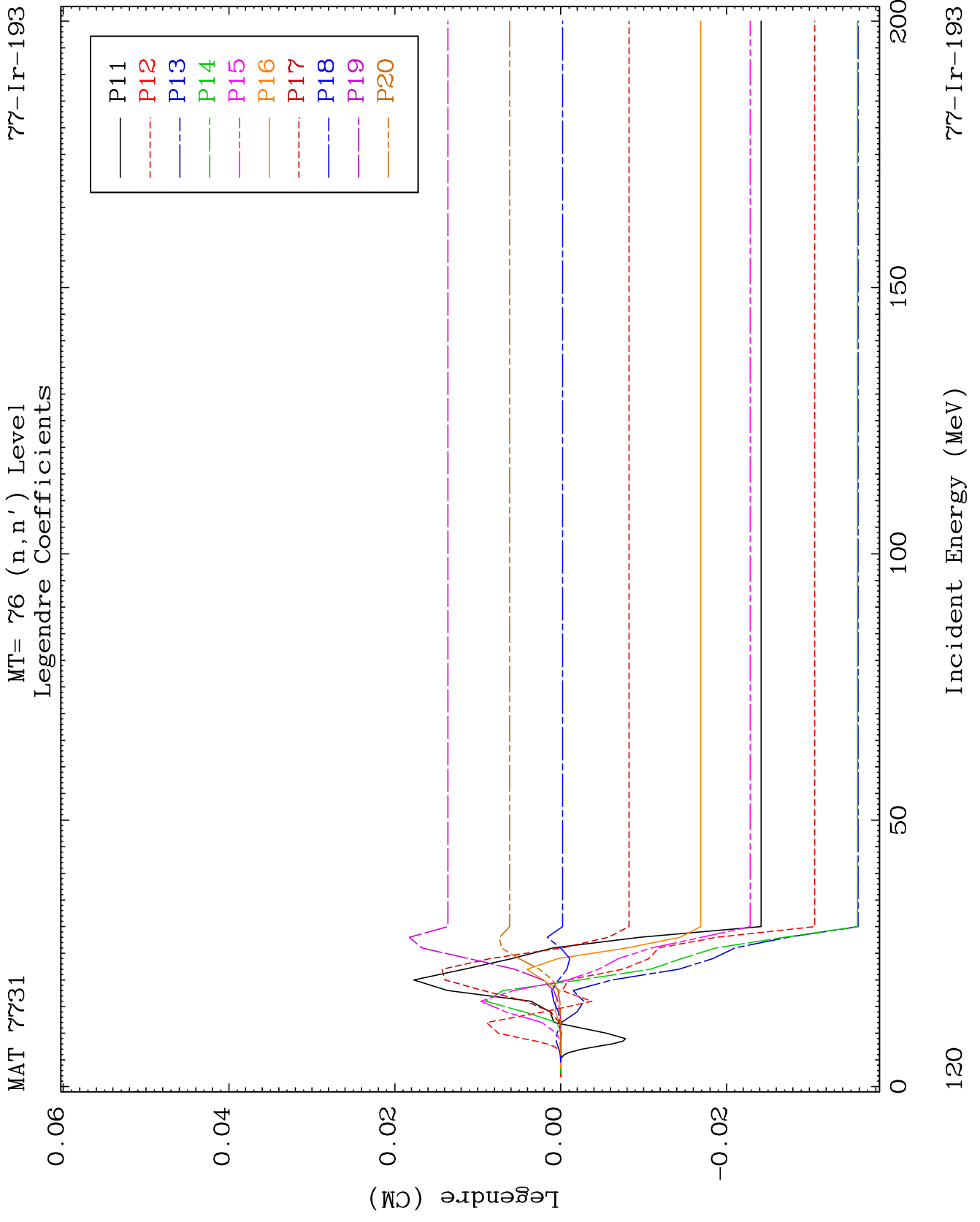


MAT 7731

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

77-Ir-193

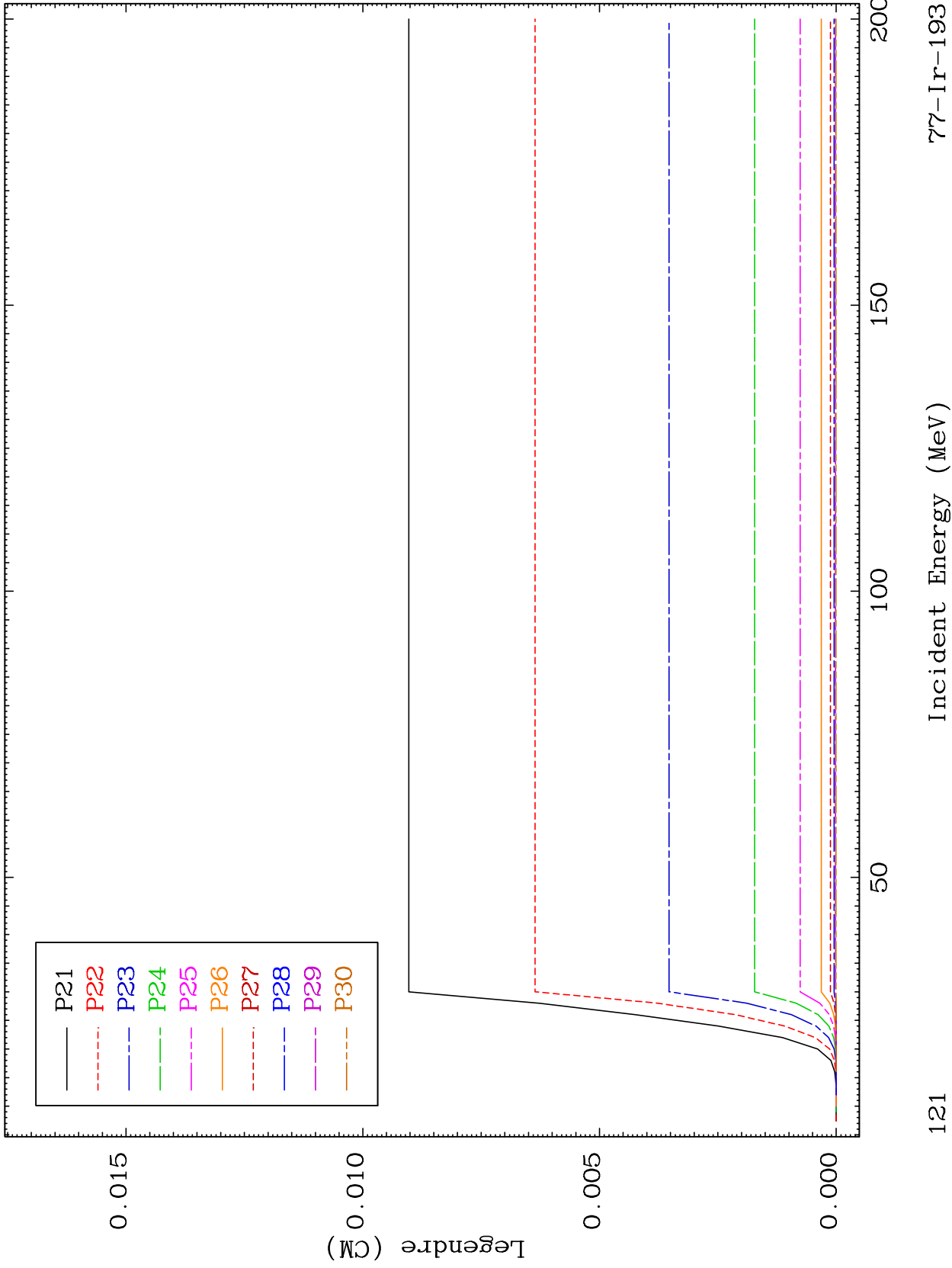




MAT 7731

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

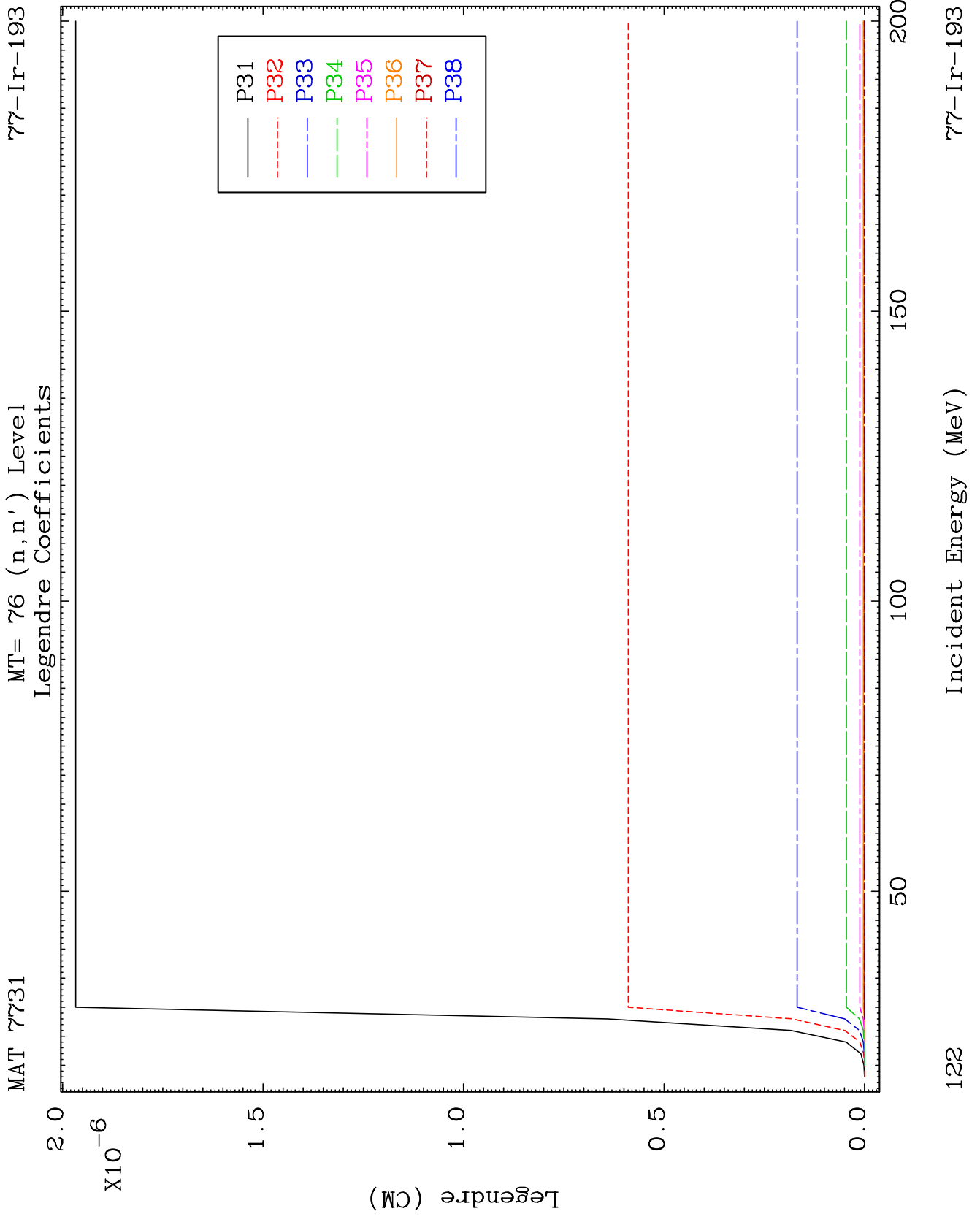
77-Ir-193



121

Incident Energy (MeV)

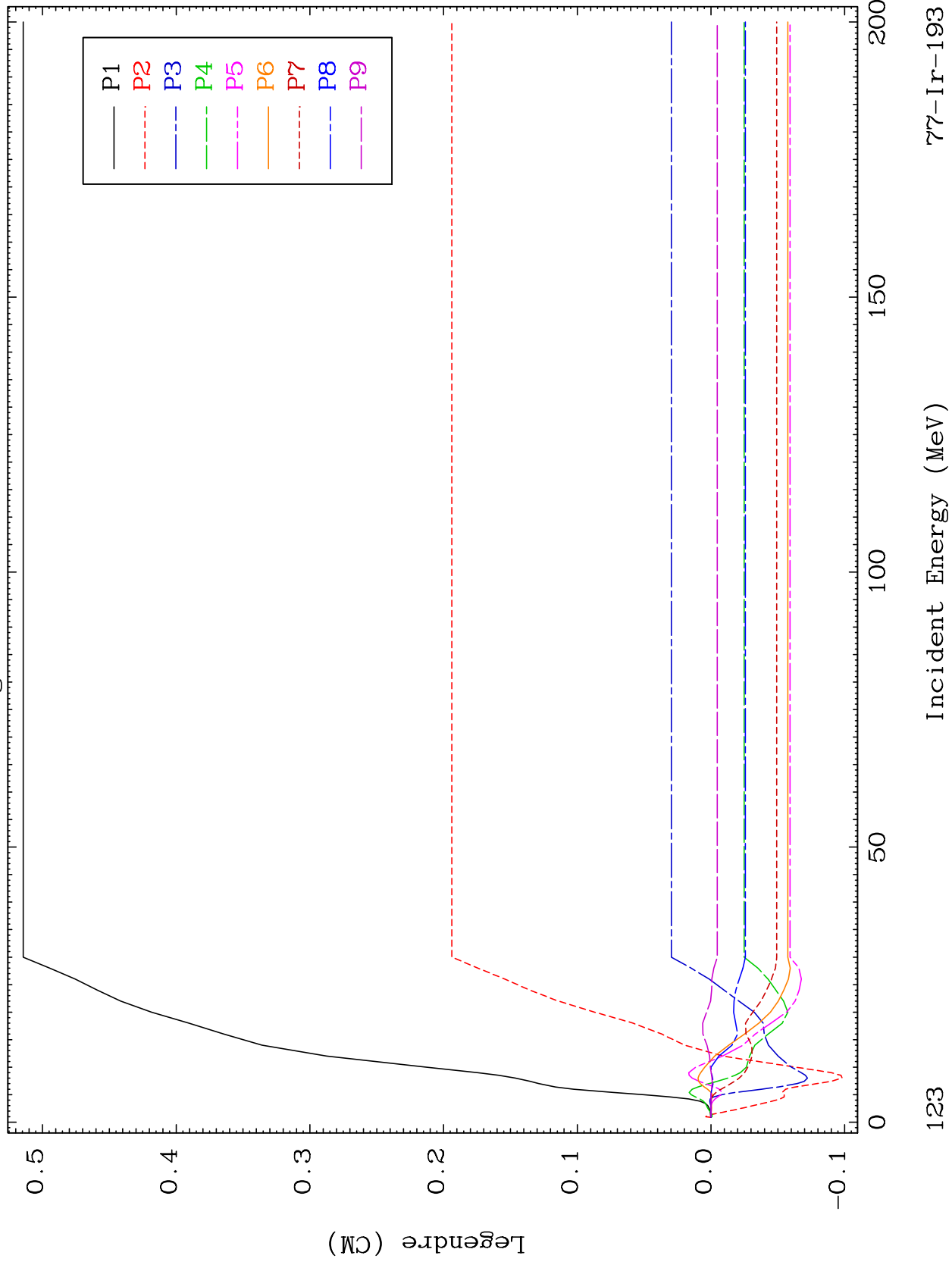
77-Ir-193



MAT 7731

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

77-Ir-193



77-Ir-193

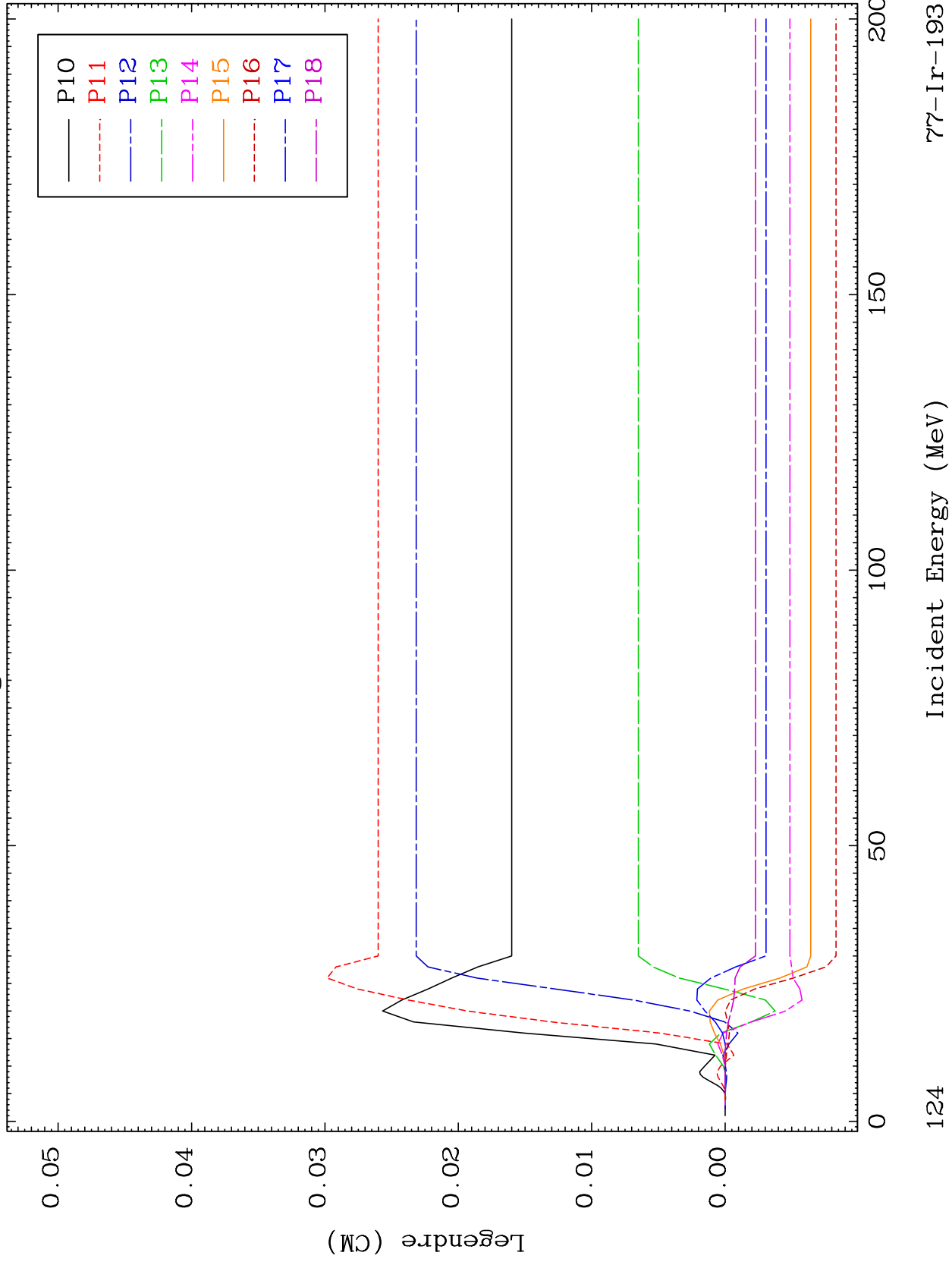
Incident Energy (MeV)

123

MAT 7731

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

77-Ir-193



77-Ir-193

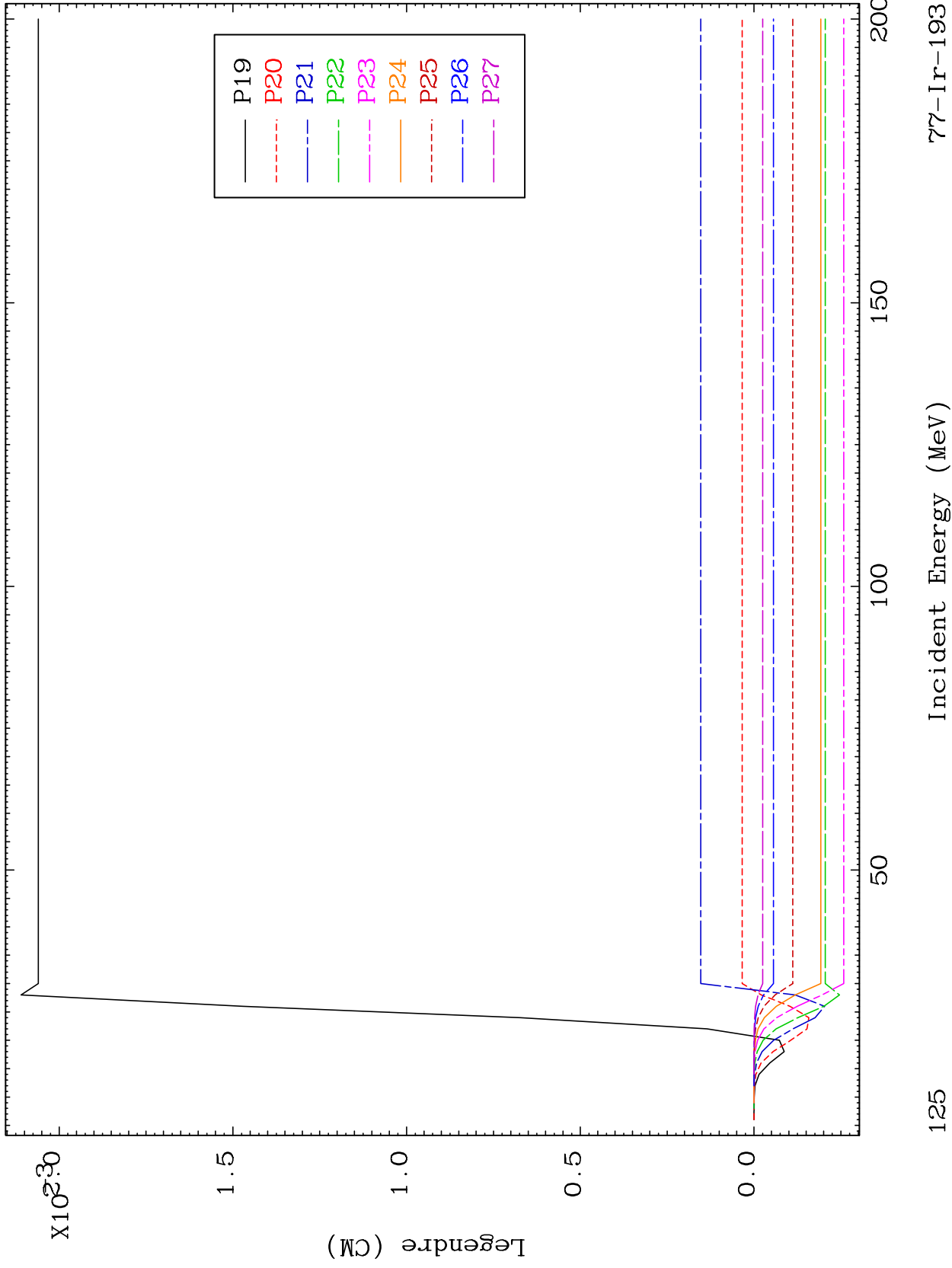
Incident Energy (MeV)

124

MAT 7731

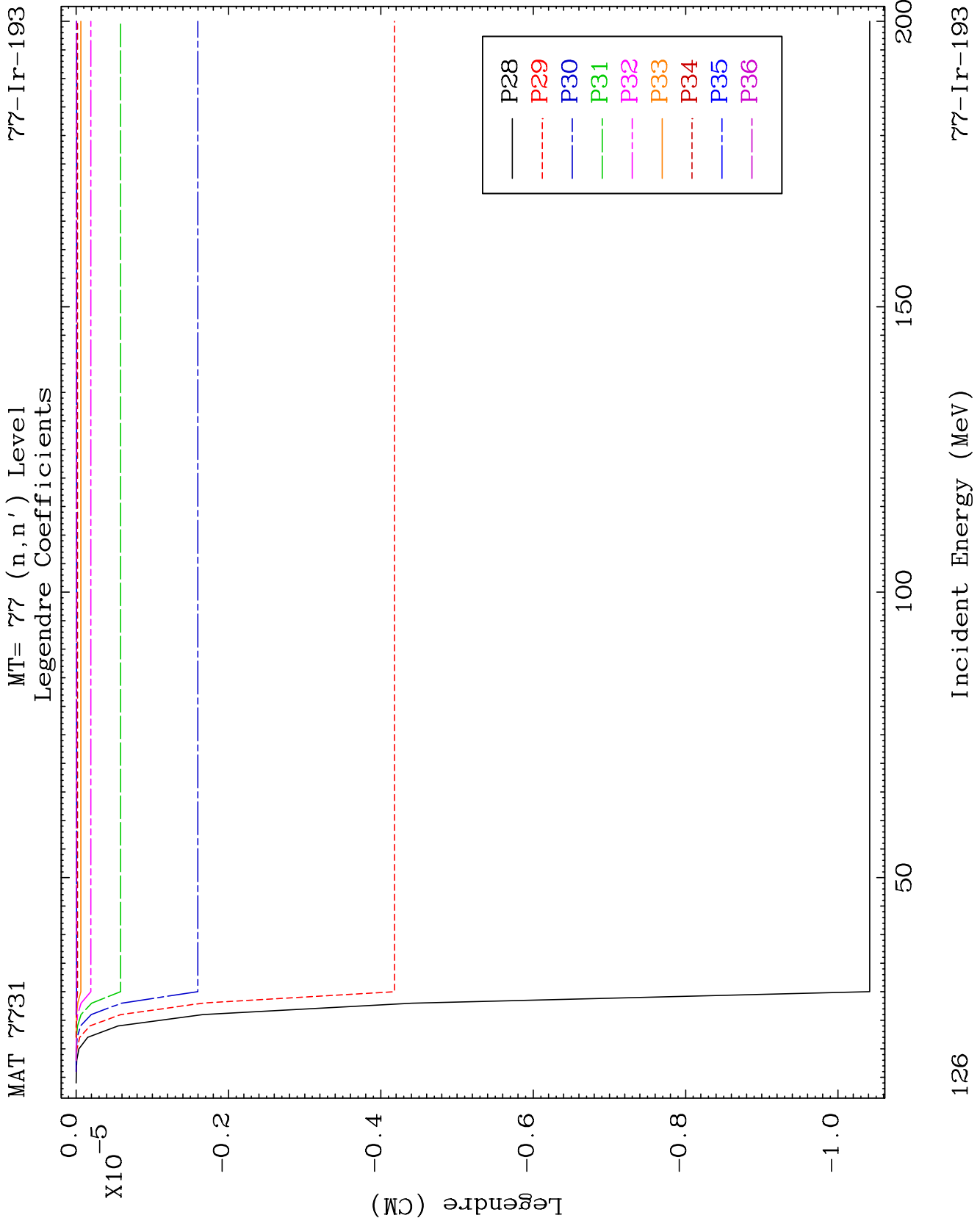
77-Ir-193

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



125

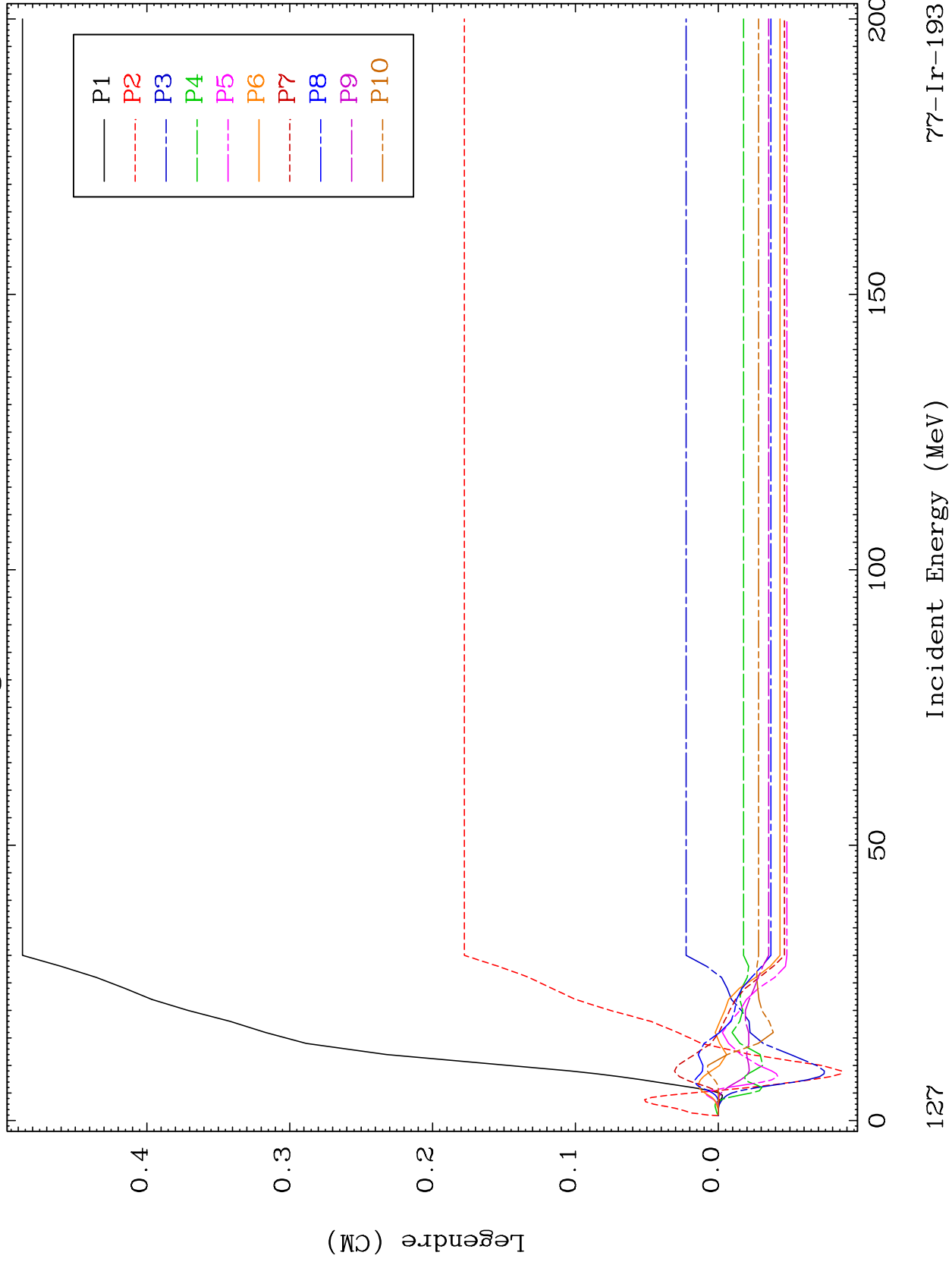
77-Ir-193



MAT 7731

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

77-Ir-193



77-Ir-193

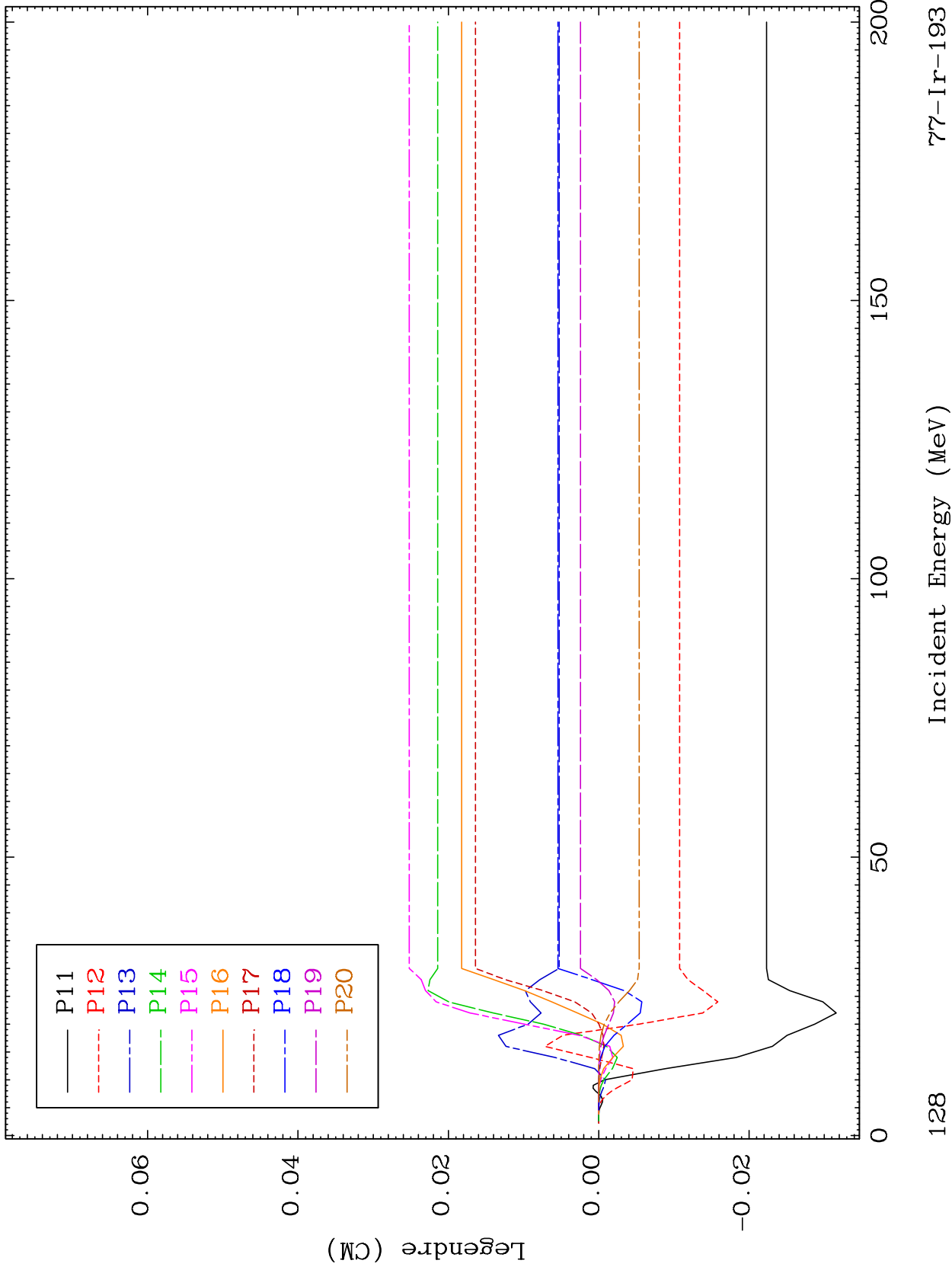
Incident Energy (MeV)

127

MAT 7731

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

77-Ir-193



128

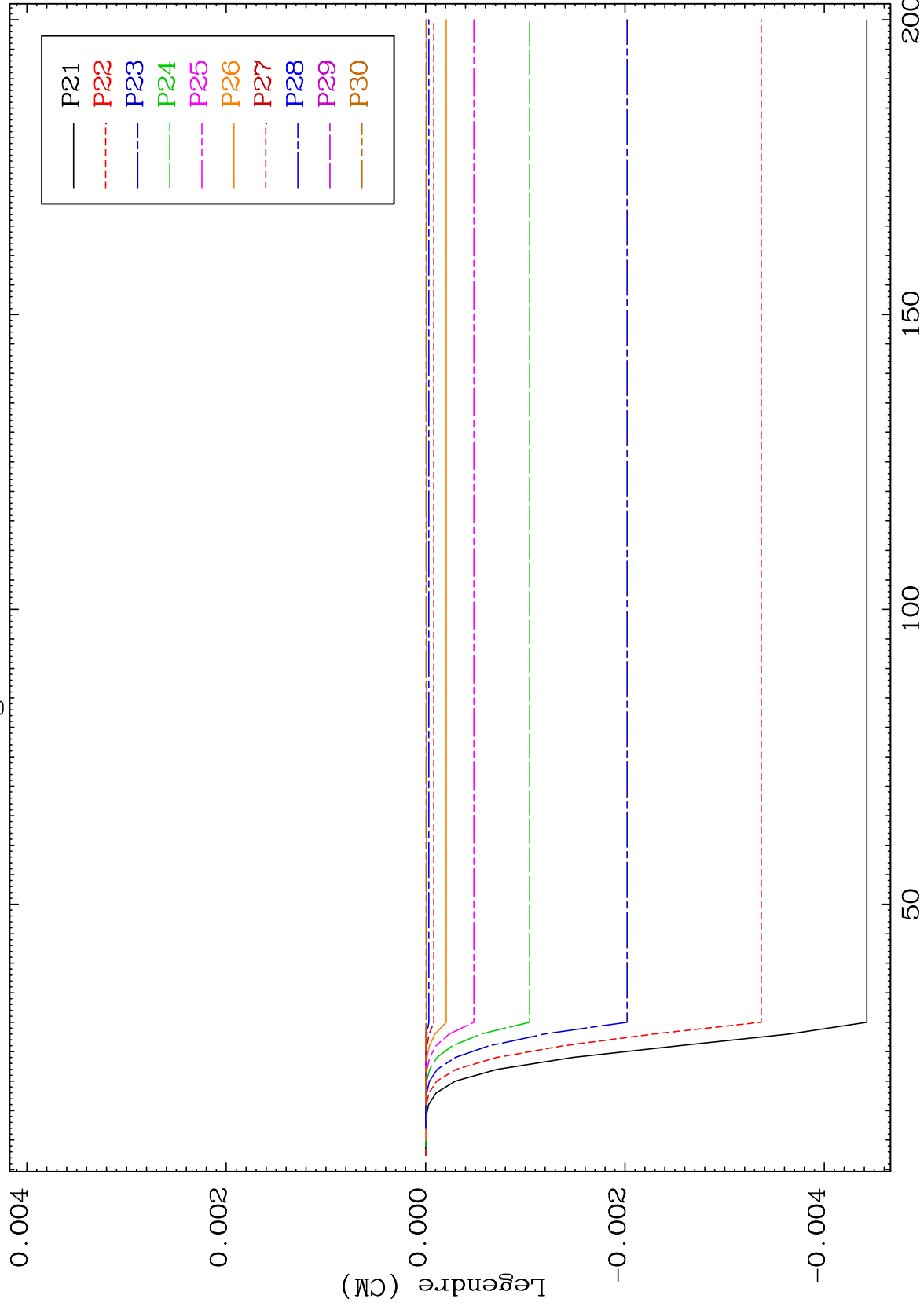
Incident Energy (MeV)

77-Ir-193

MAT 7731

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

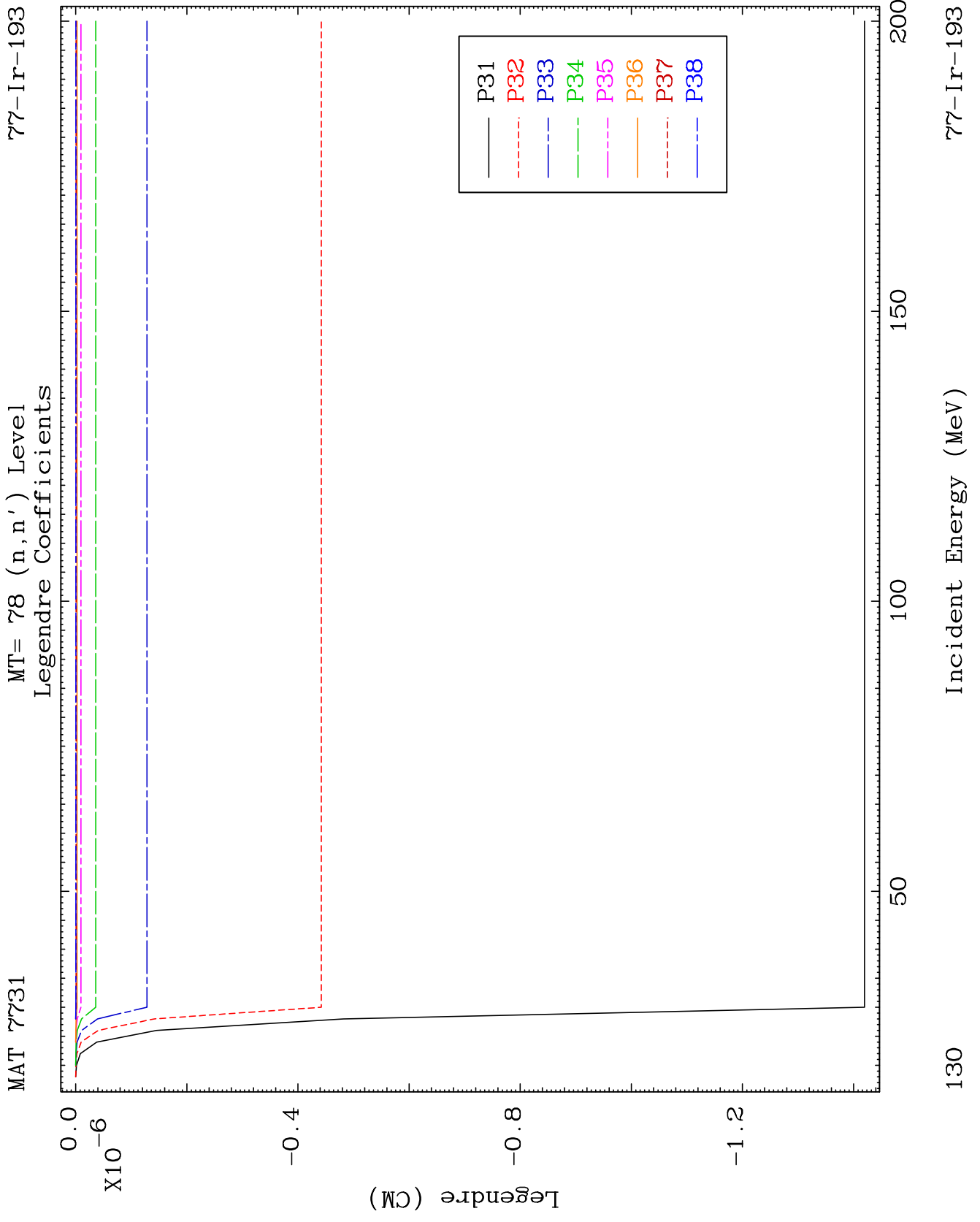
77-Ir-193



129

Incident Energy (MeV)

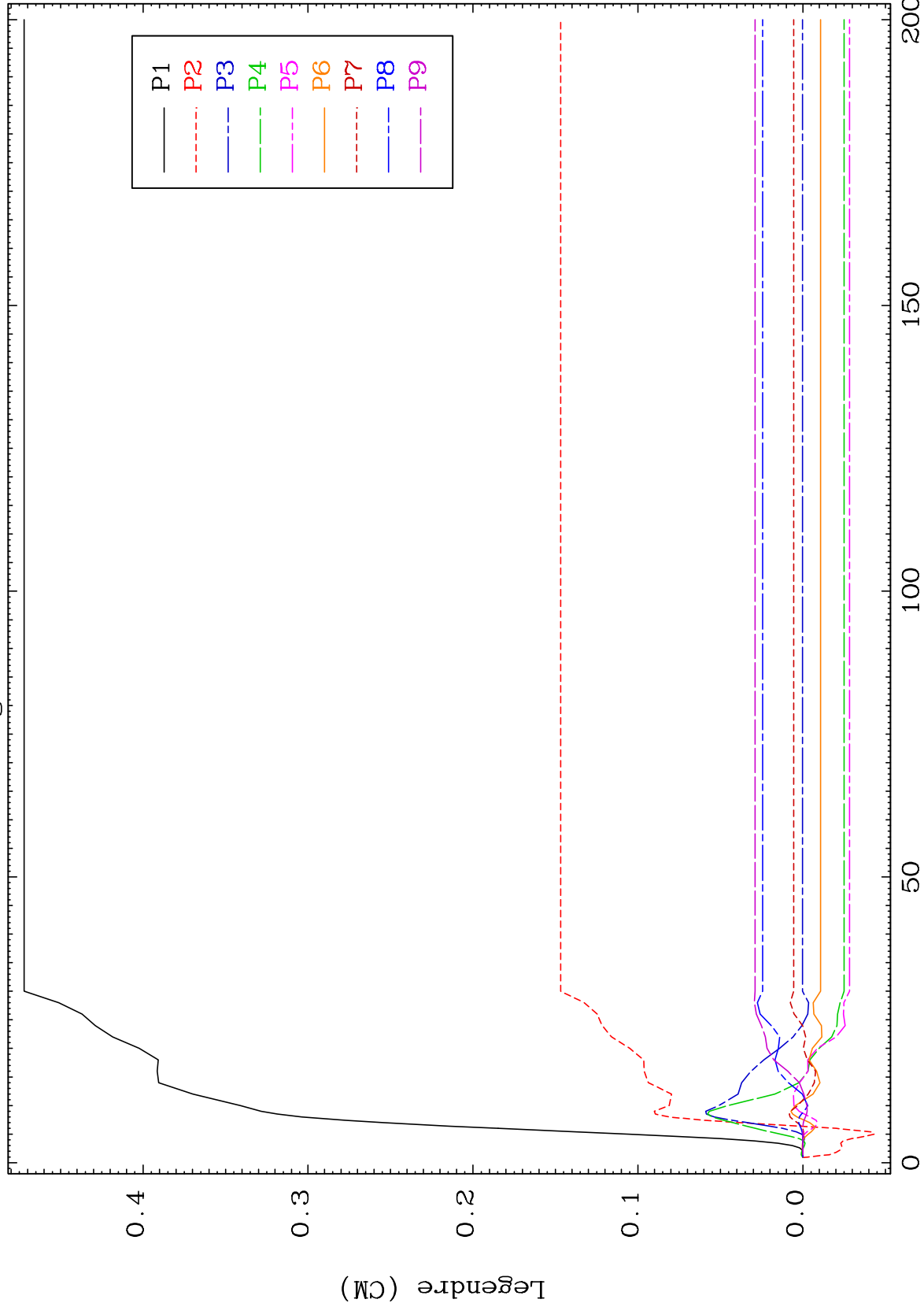
77-Ir-193



MAT 7731

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

77-Ir-193



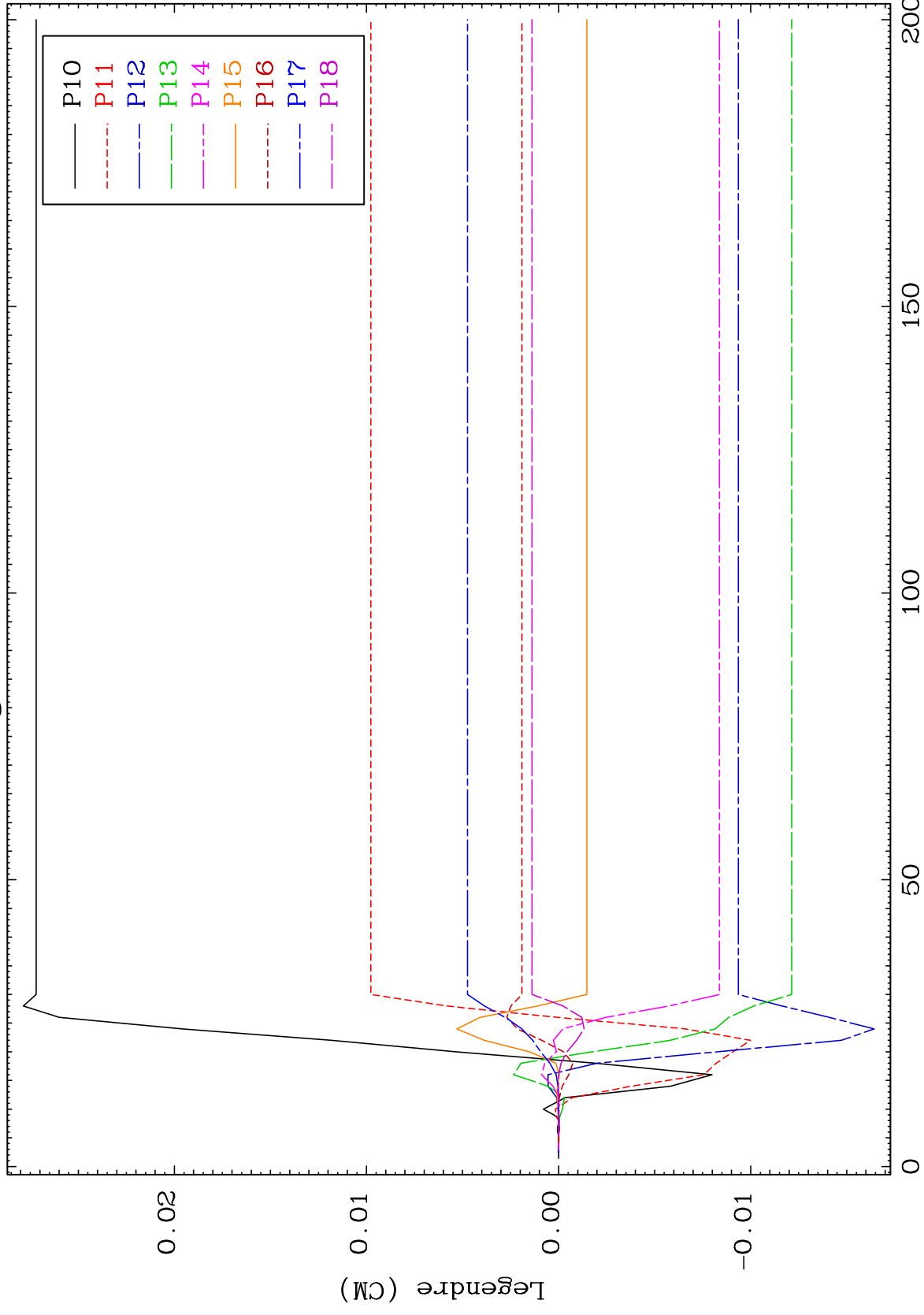
131

77-Ir-193

MAT 7731

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

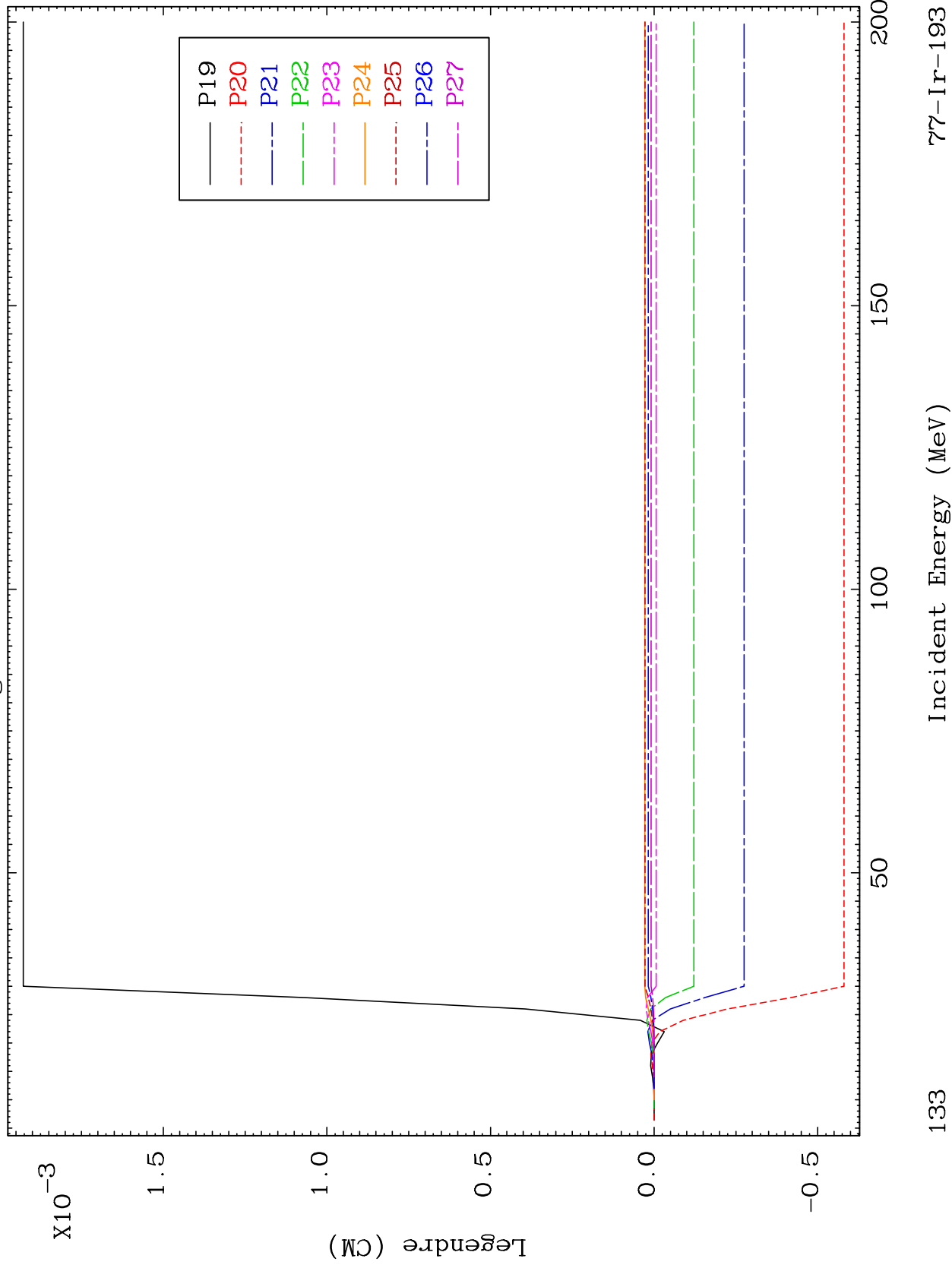
77-Ir-193



132

Incident Energy (MeV)

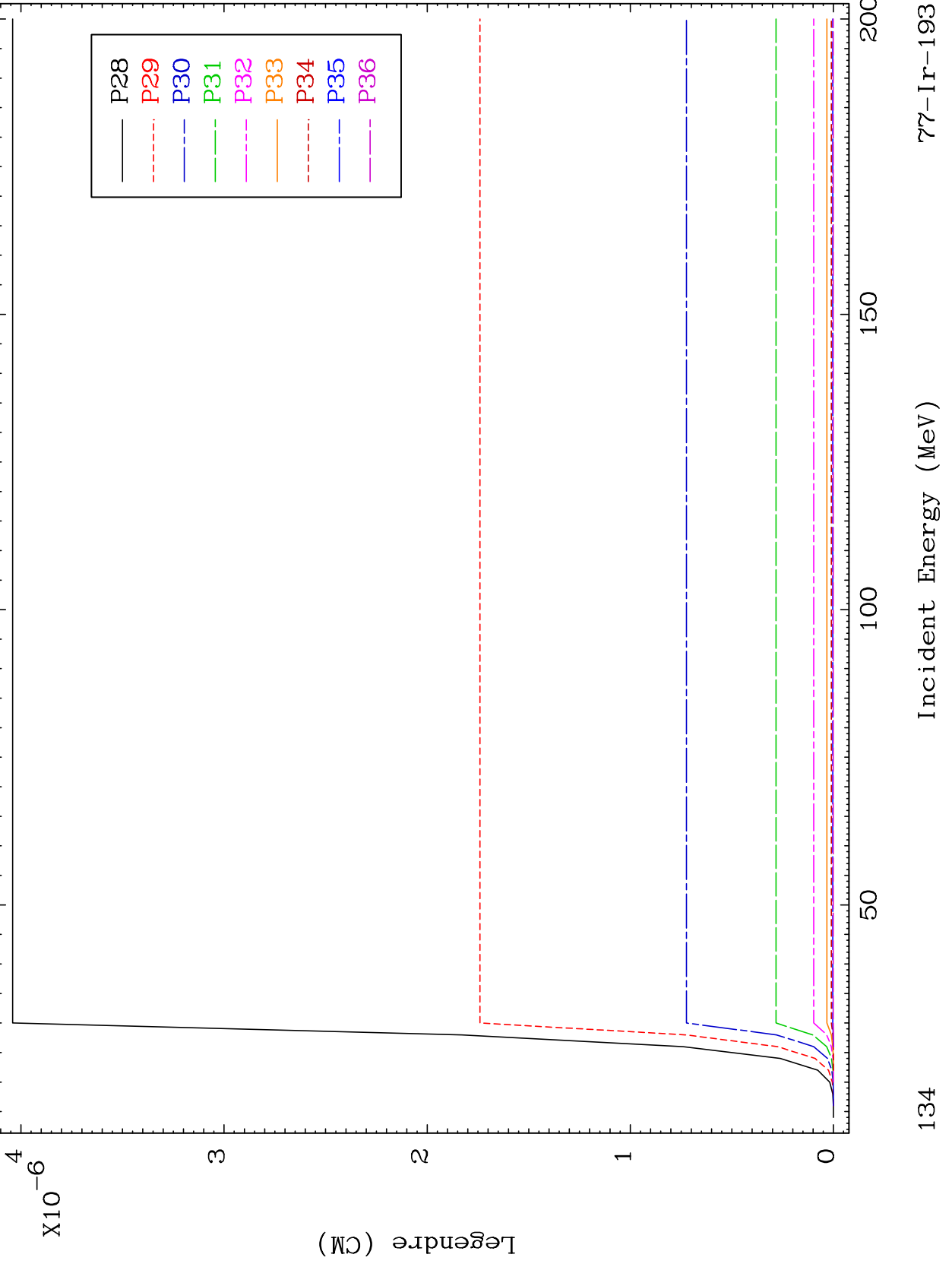
77-Ir-193



MAT 7731

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

77-Ir-193

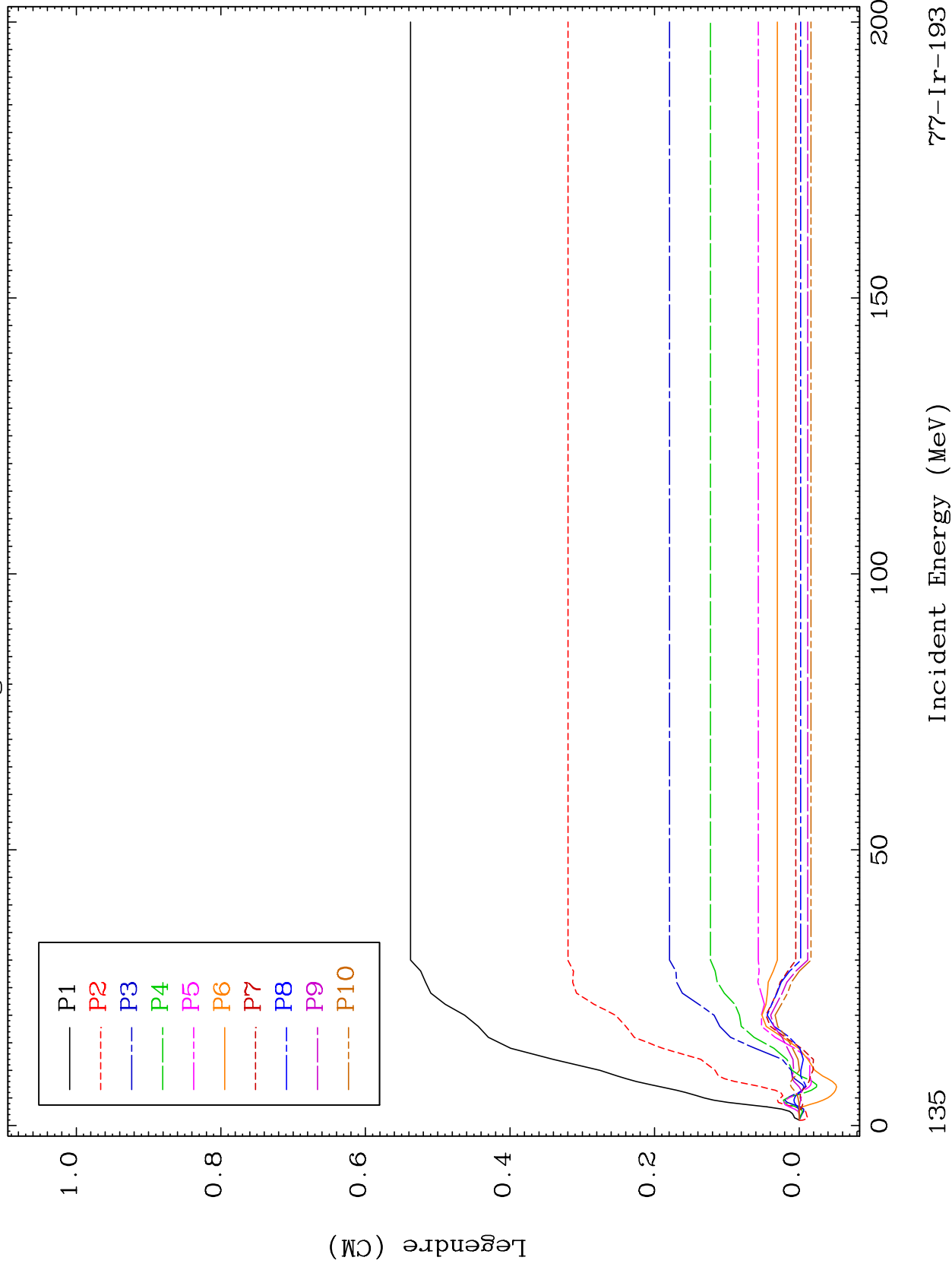


134

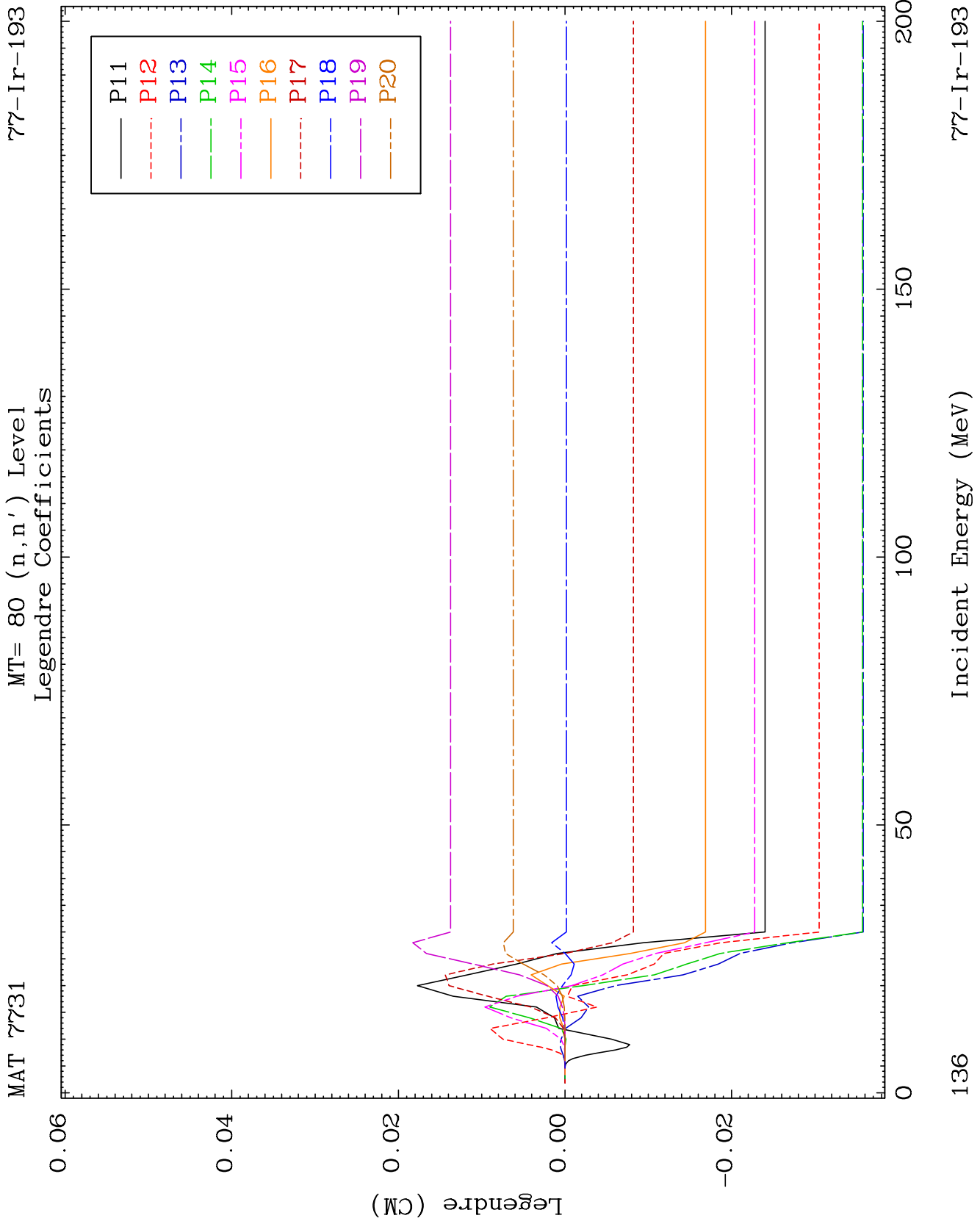
MAT 7731

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

77-Ir-193



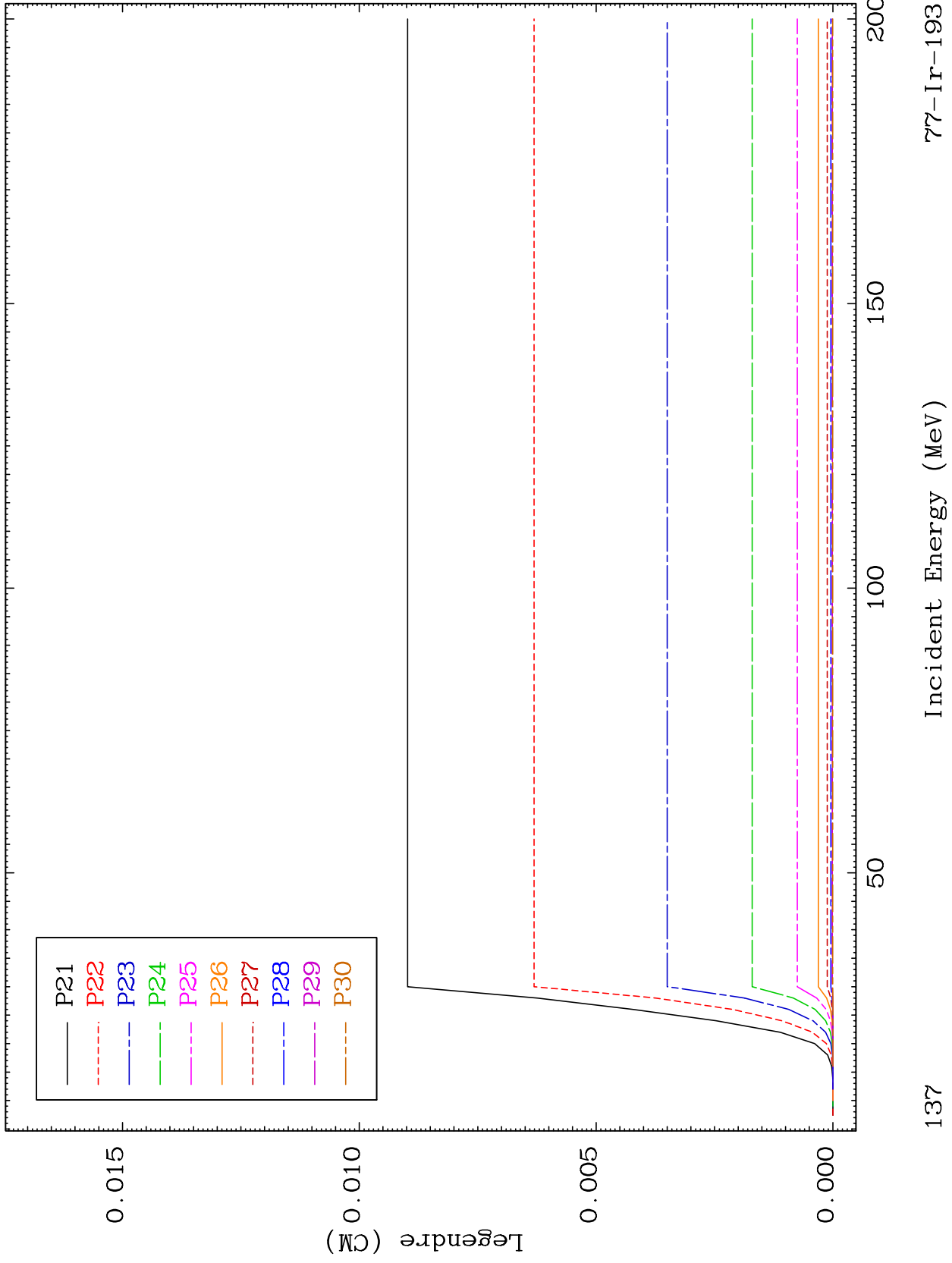
135



MAT 7731

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

77-Ir-193



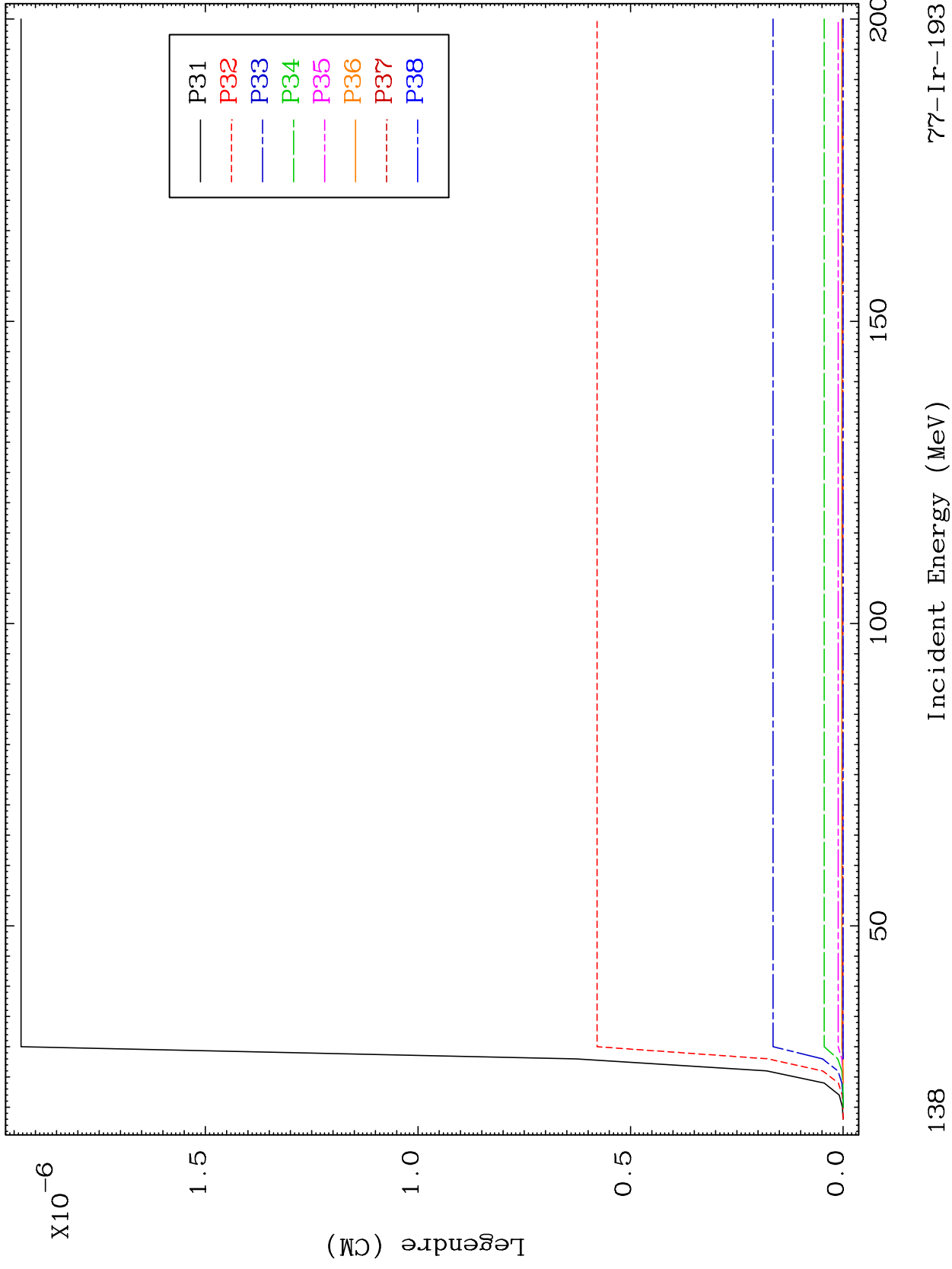
137

77-Ir-193

MAT 7731

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

77-Ir-193



138

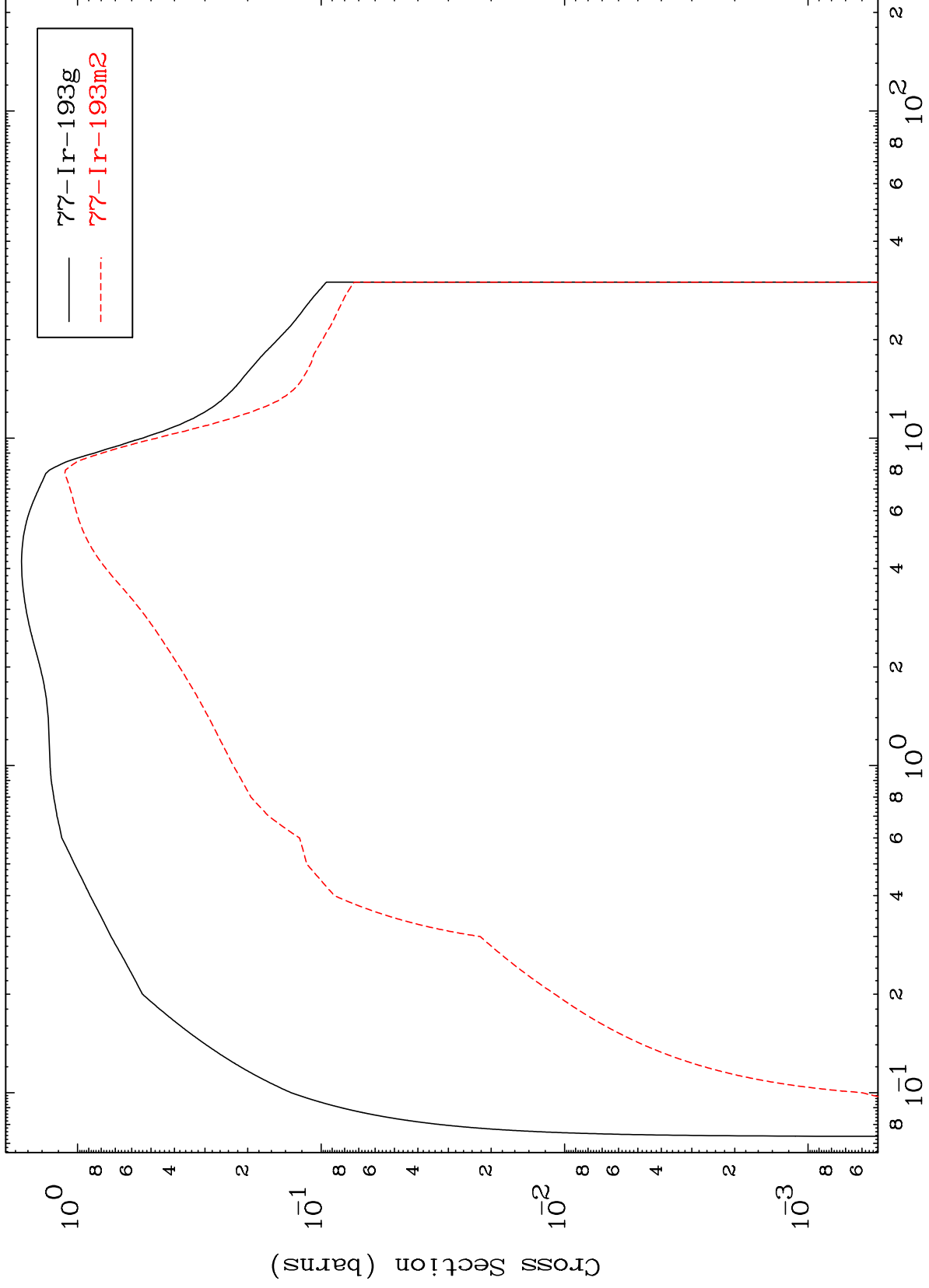
Incident Energy (MeV)

77-Ir-193

MAT 7731

77-Ir-193

Inelastic
Radionuclide Production Cross Section



139

Incident Energy (MeV)

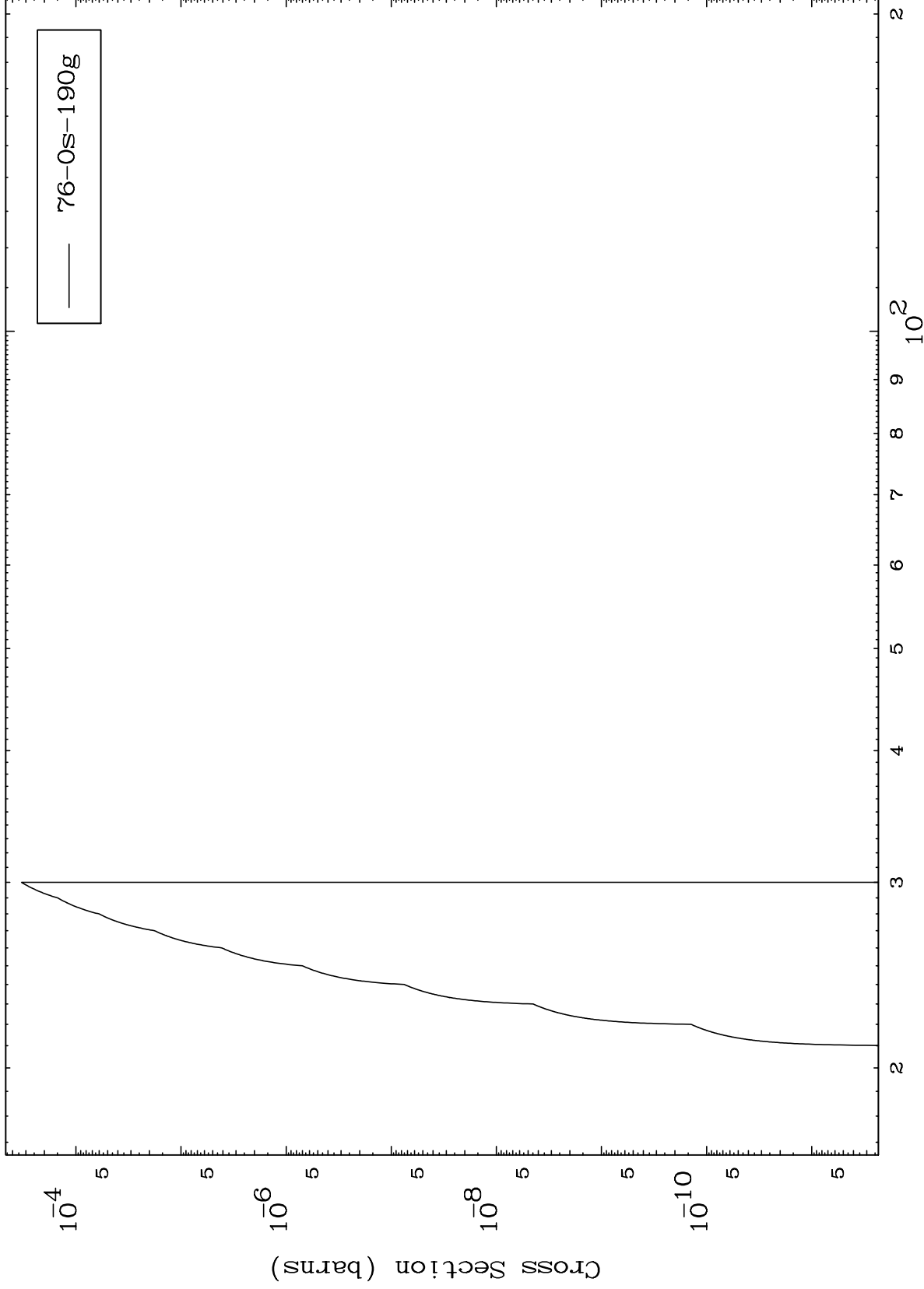
77-Ir-193

MAT 7731

(n,2n) d

77-Ir-193

Radionuclide Production Cross Section



140

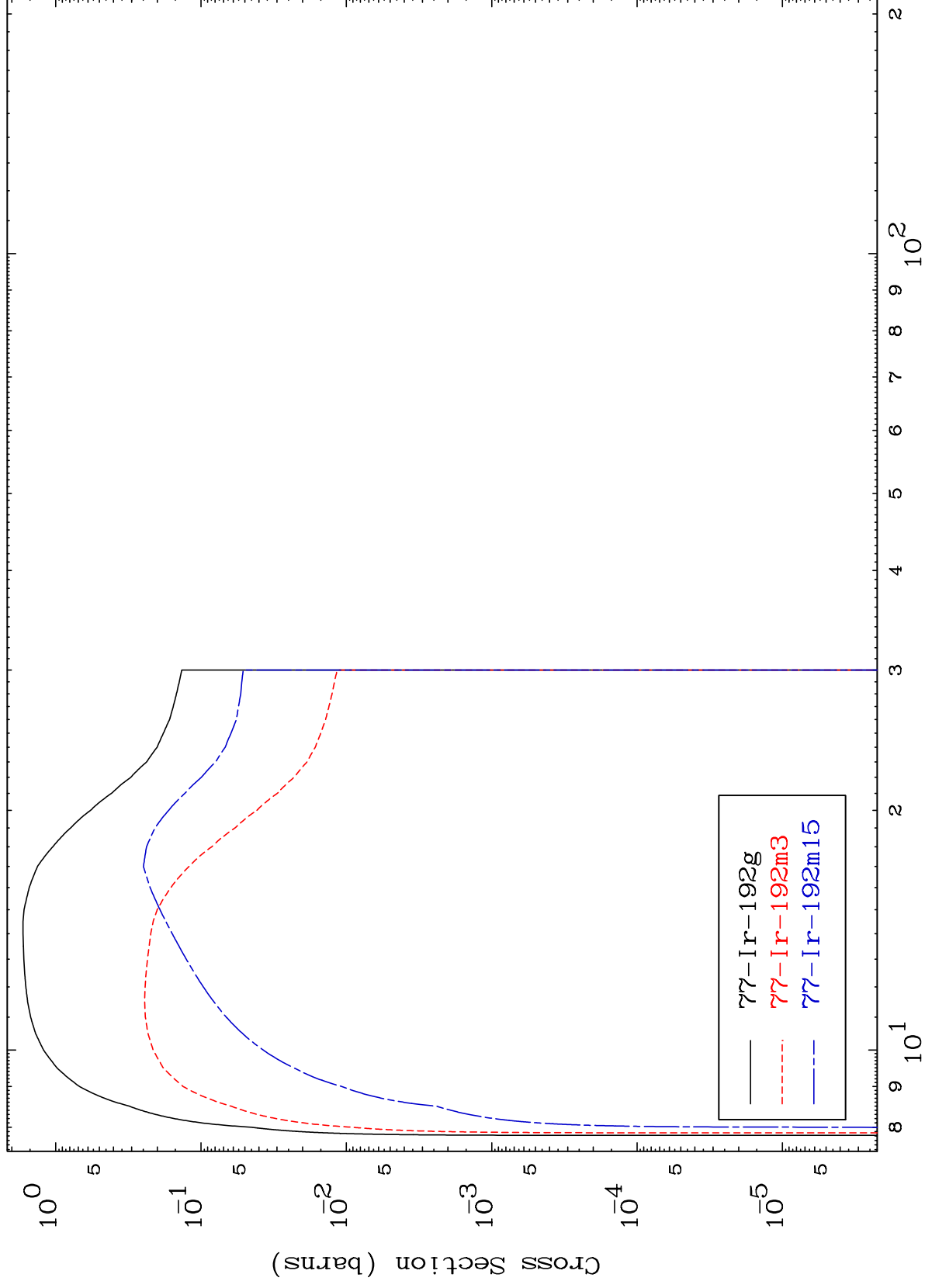
Incident Energy (MeV)

77-Ir-193

MAT 7731

⁷⁷Ir-193

Radionuclide Production Cross Section

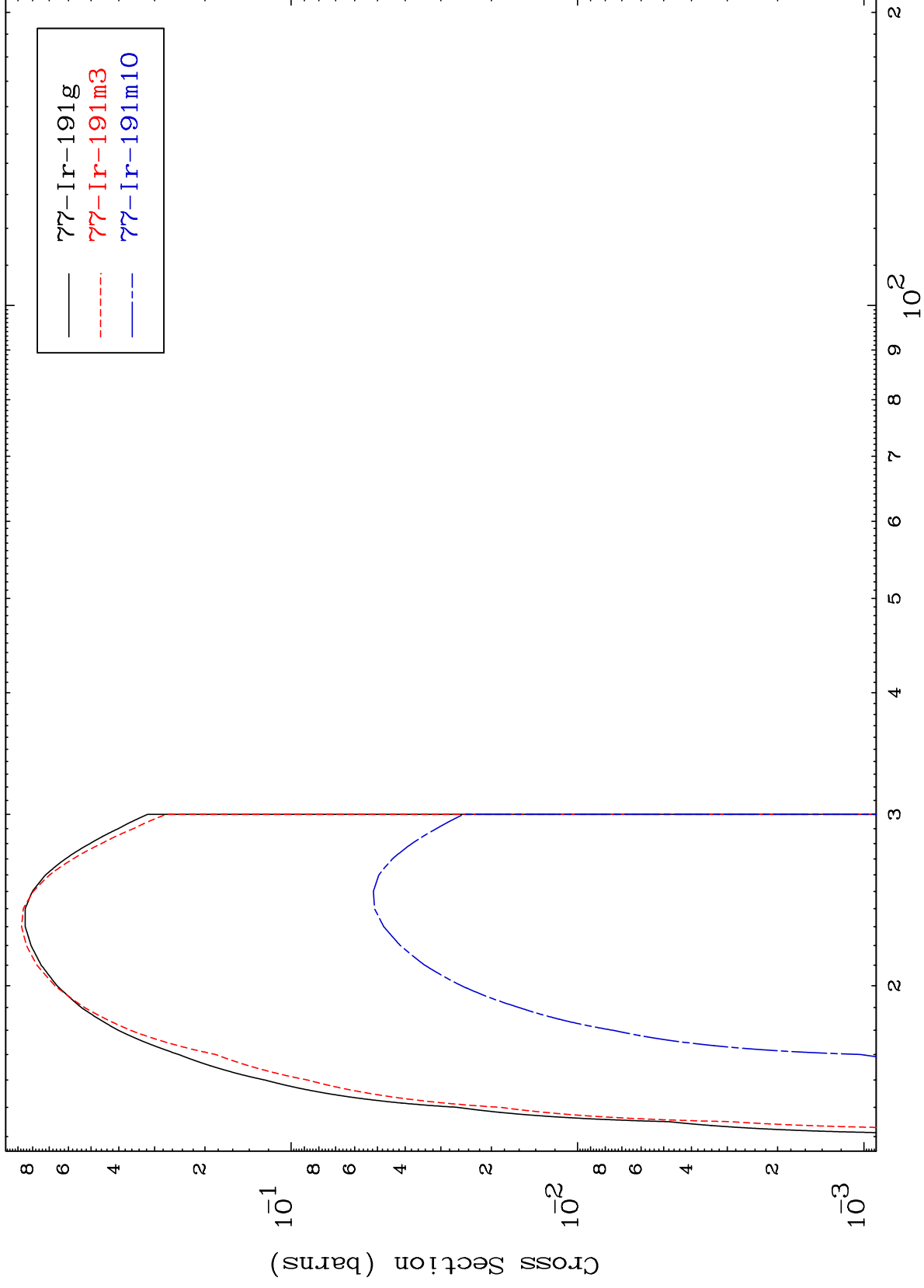


⁷⁷Ir-193

Incident Energy (MeV)

141

(n,3n)
Radionuclide Production Cross Section

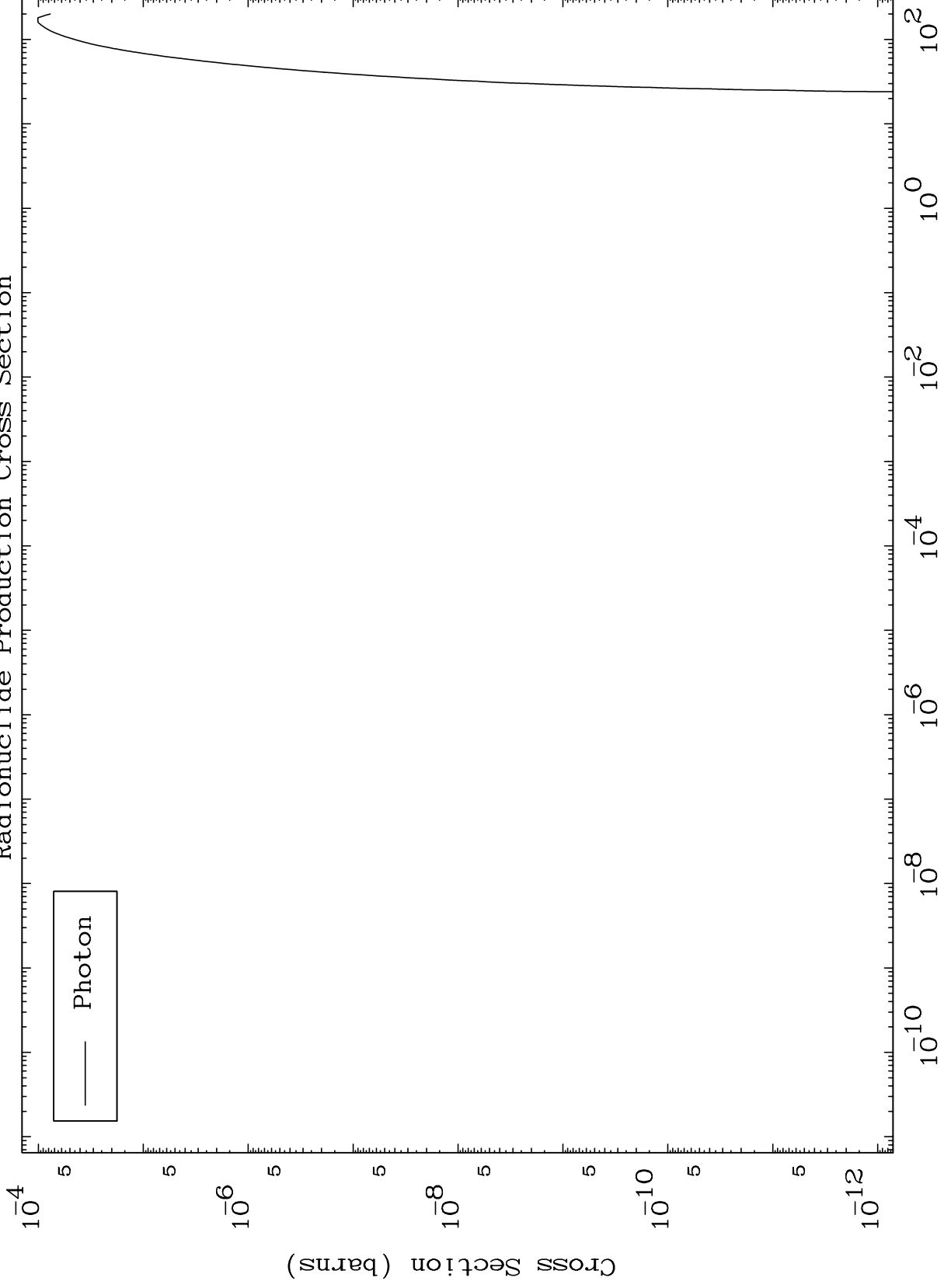


MAT 7731

Fission

⁷⁷Ir-193

Radionuclide Production Cross Section



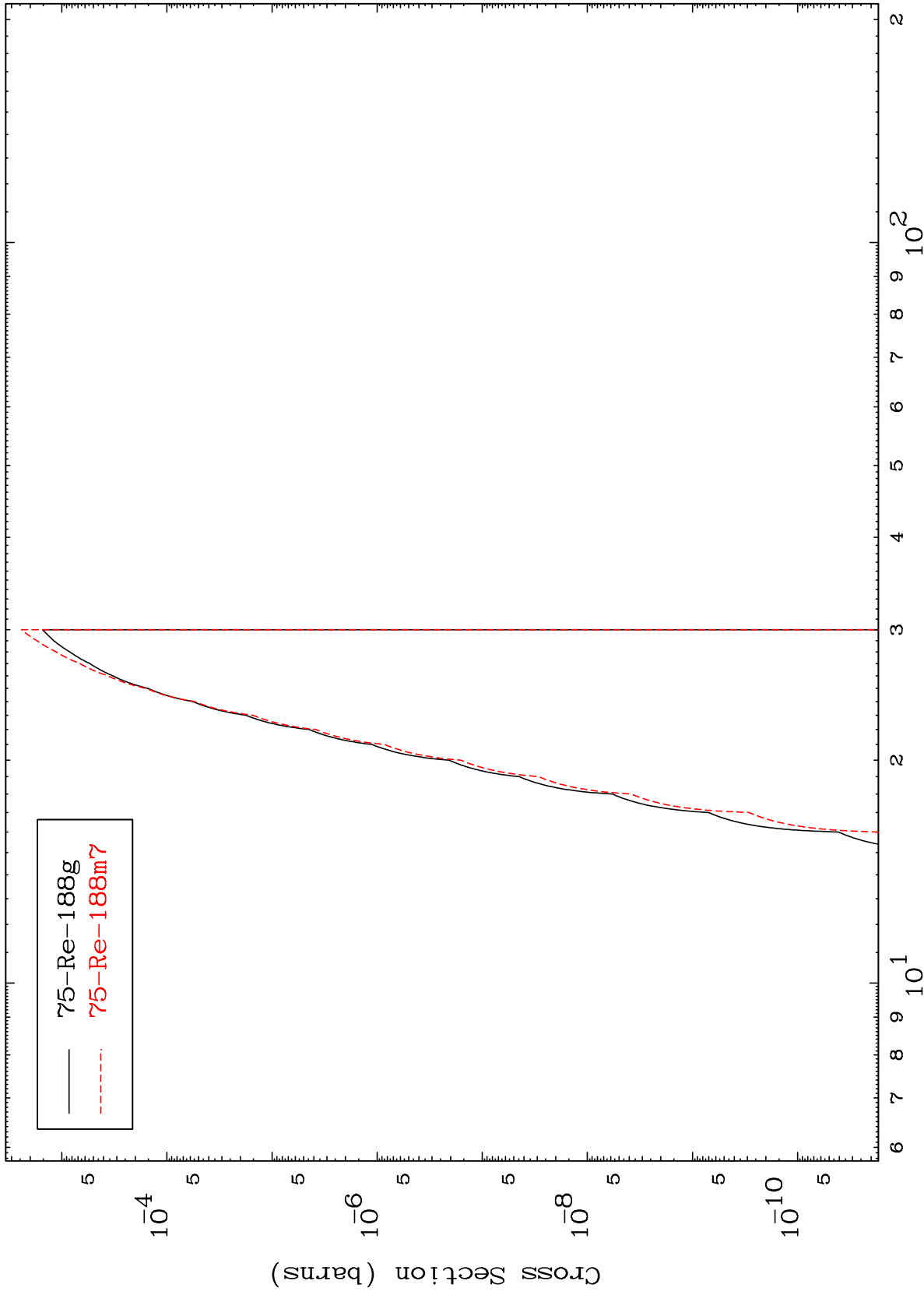
Photon

MAT 7731

77-Ir-193

(n,2n) α

Radionuclide Production Cross Section



144

Incident Energy (MeV)

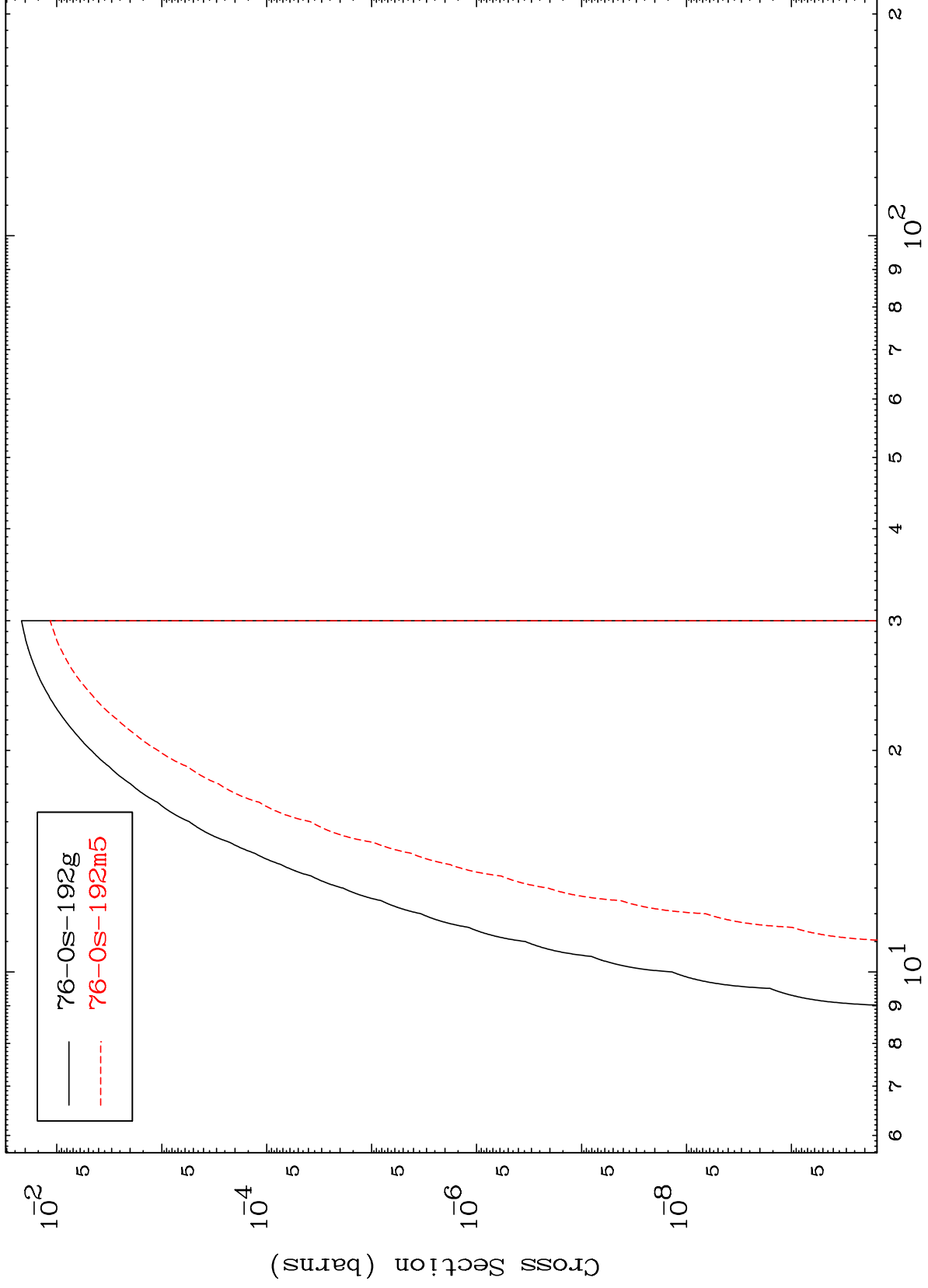
77-Ir-193

MAT 7731

(n,n') p

⁷⁷Ir-193

Radionuclide Production Cross Section

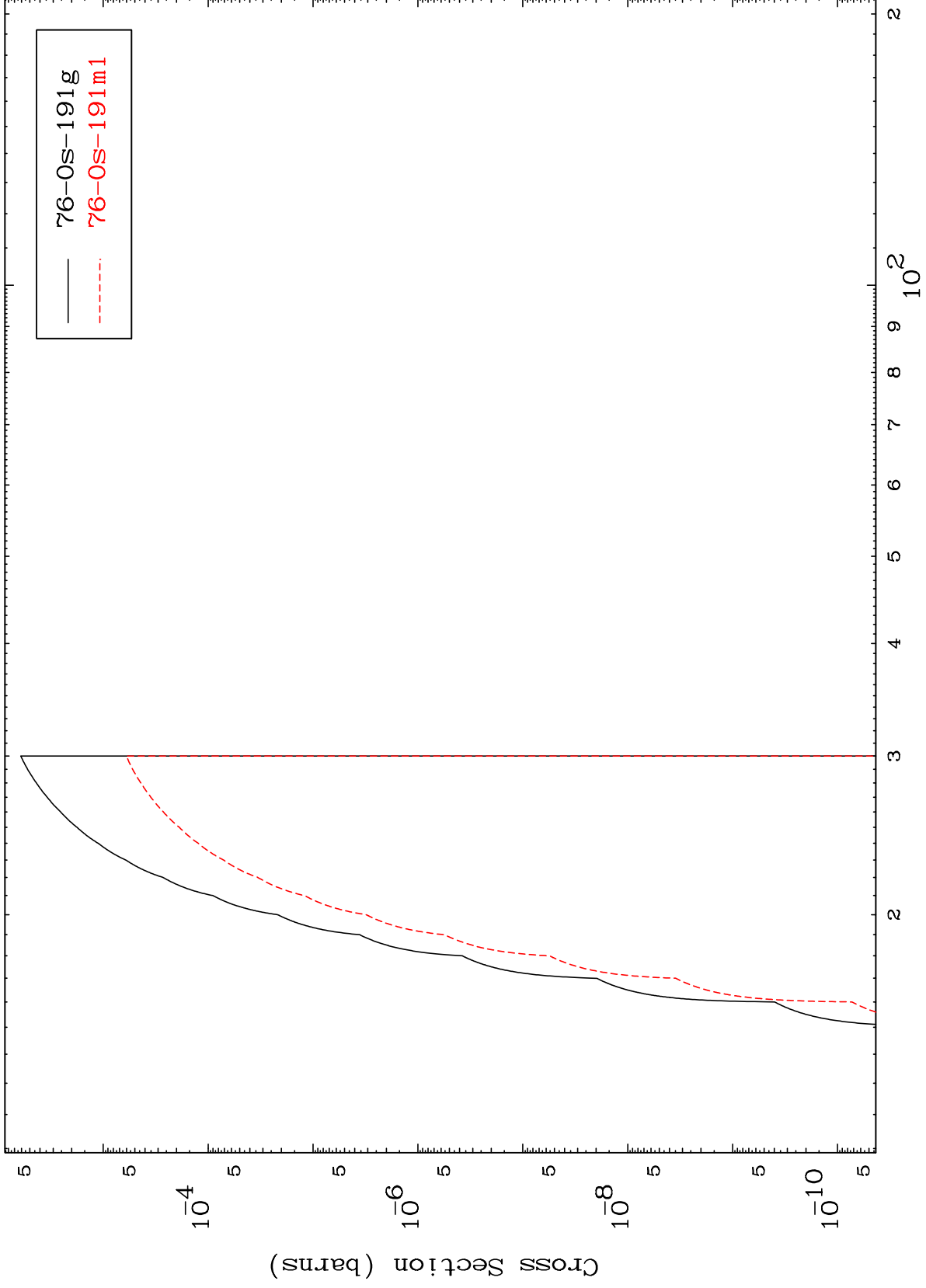


145

Incident Energy (MeV)

⁷⁷Ir-193

Radionuclide Production Cross Section

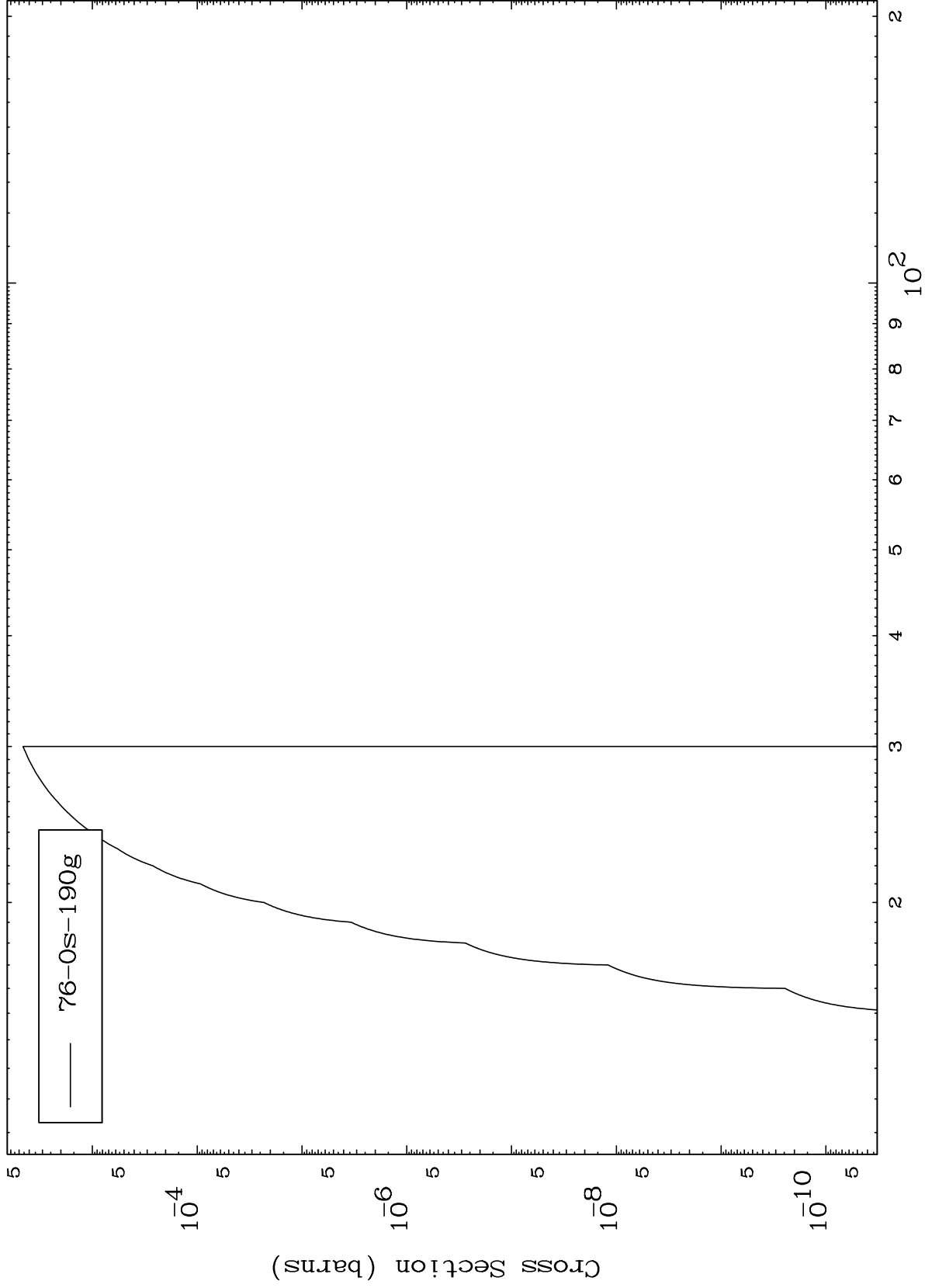


MAT 7731

(n,n') t

77-Ir-193

Radionuclide Production Cross Section

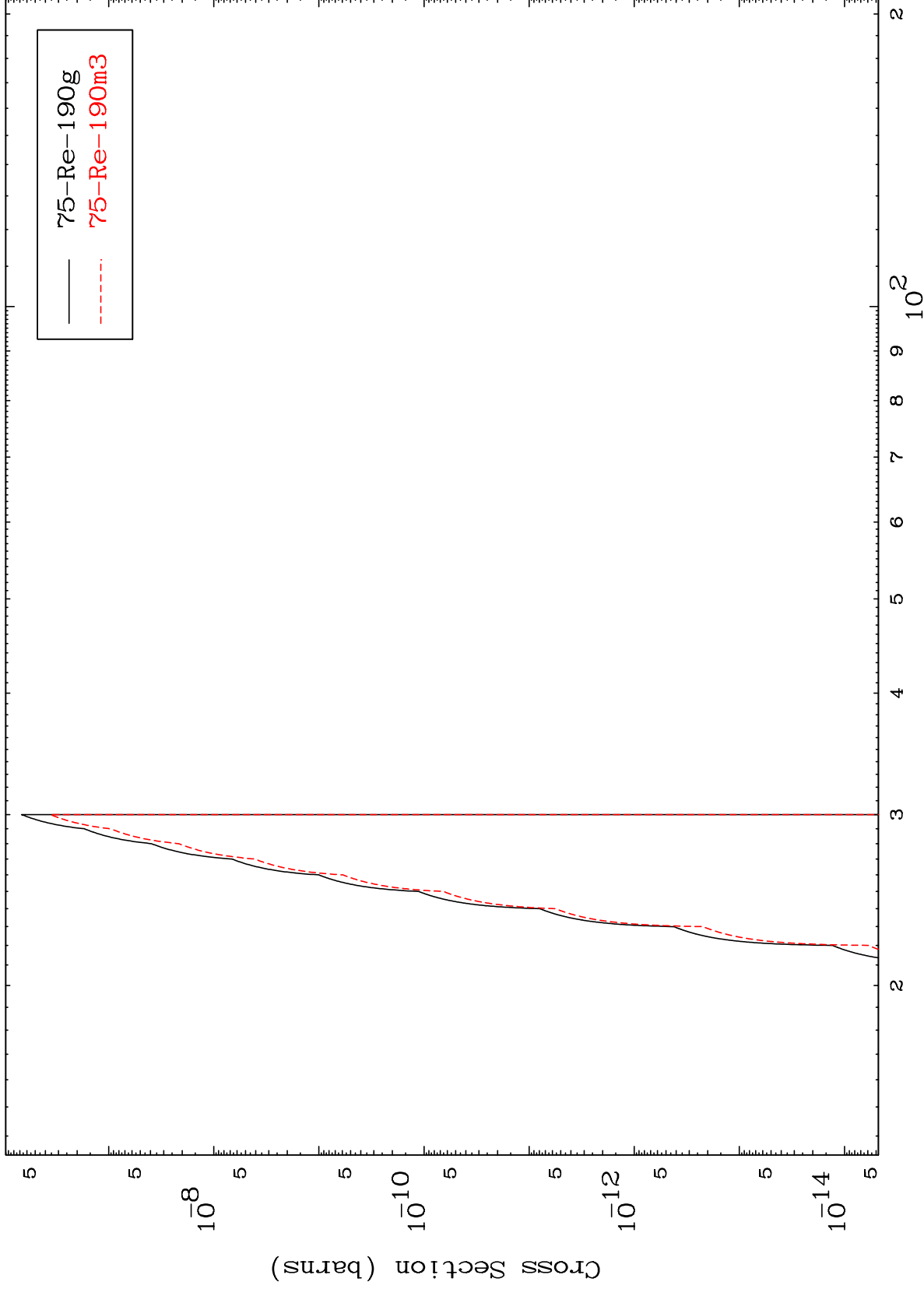


147

Incident Energy (MeV)

77-Ir-193

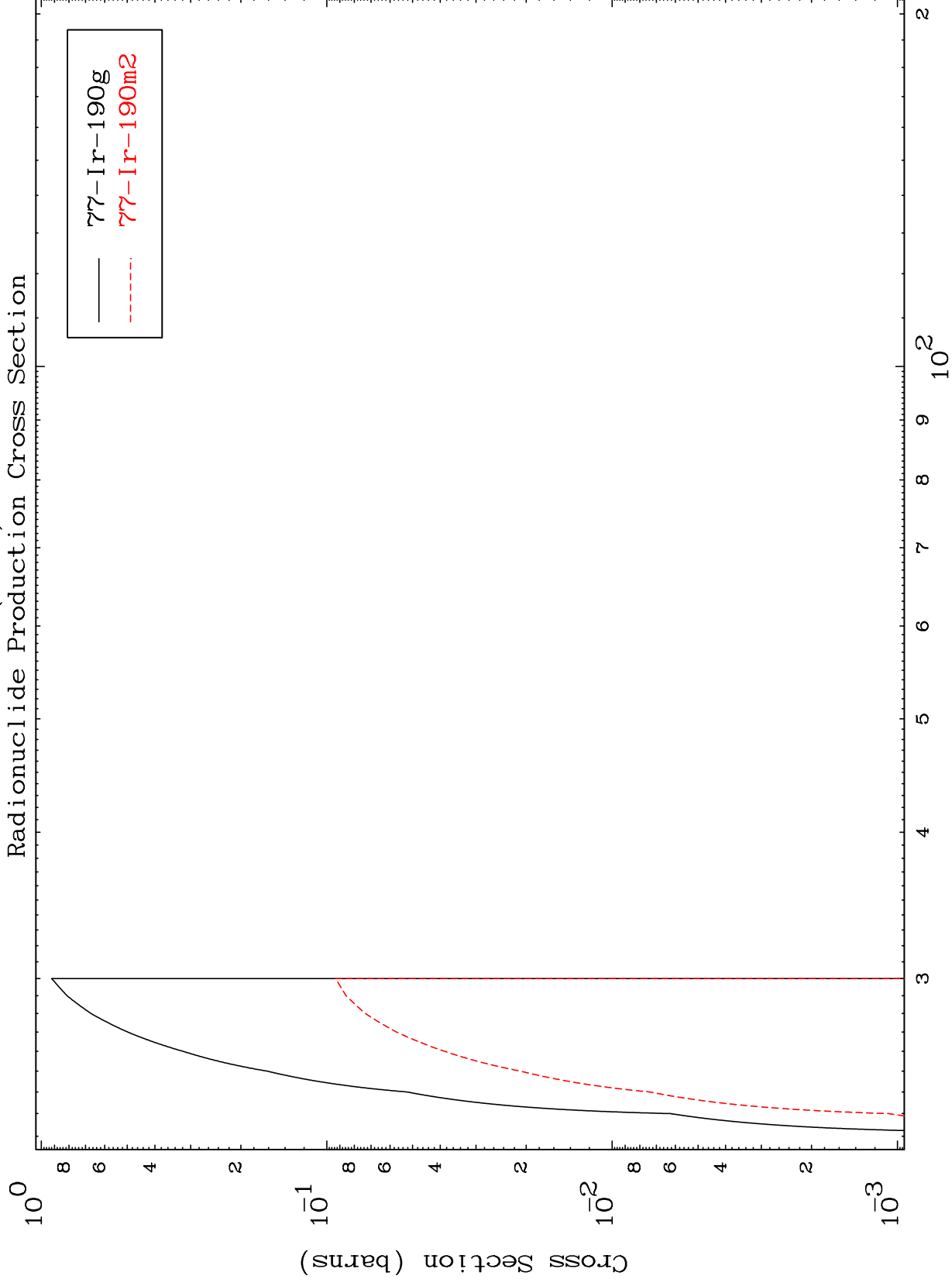
Radionuclide Production Cross Section



MAT 7731

77-Ir-193

(n,4n)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

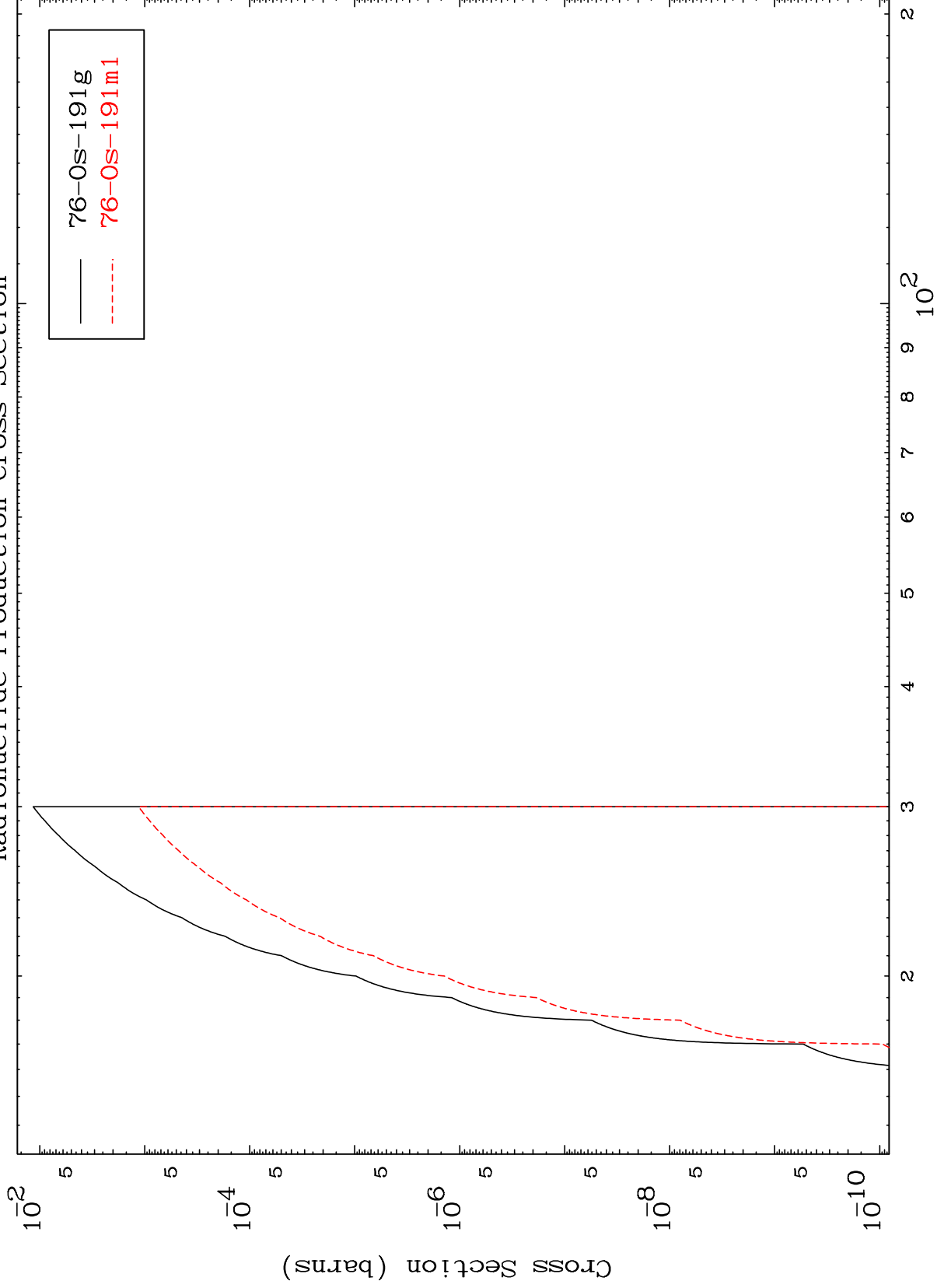
77-Ir-193

MAT 7731

(n,2n) p

77-Ir-193

Radionuclide Production Cross Section



150

Incident Energy (MeV)

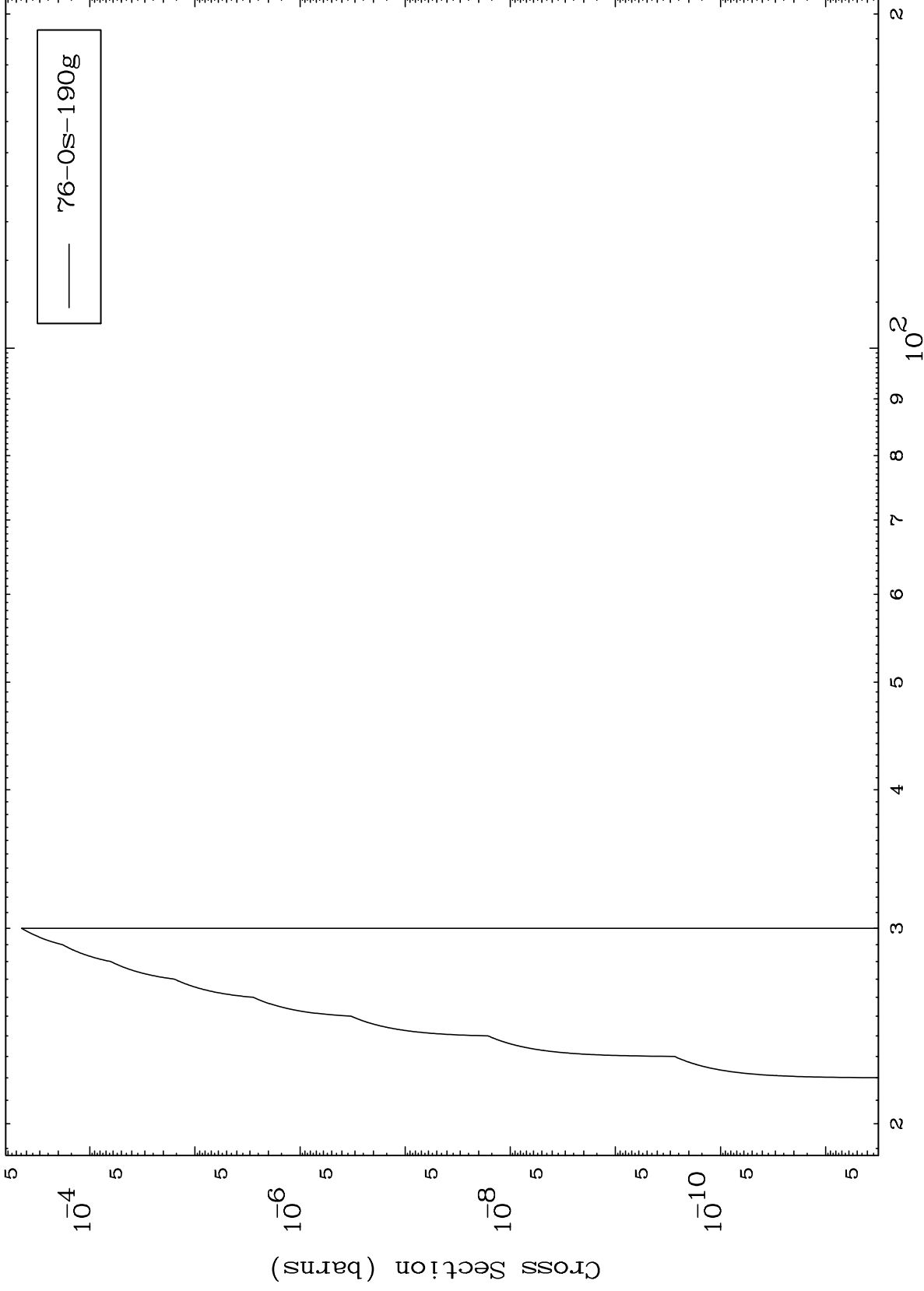
77-Ir-193

MAT 7731

(n,3n) p

77-Ir-193

Radionuclide Production Cross Section



151

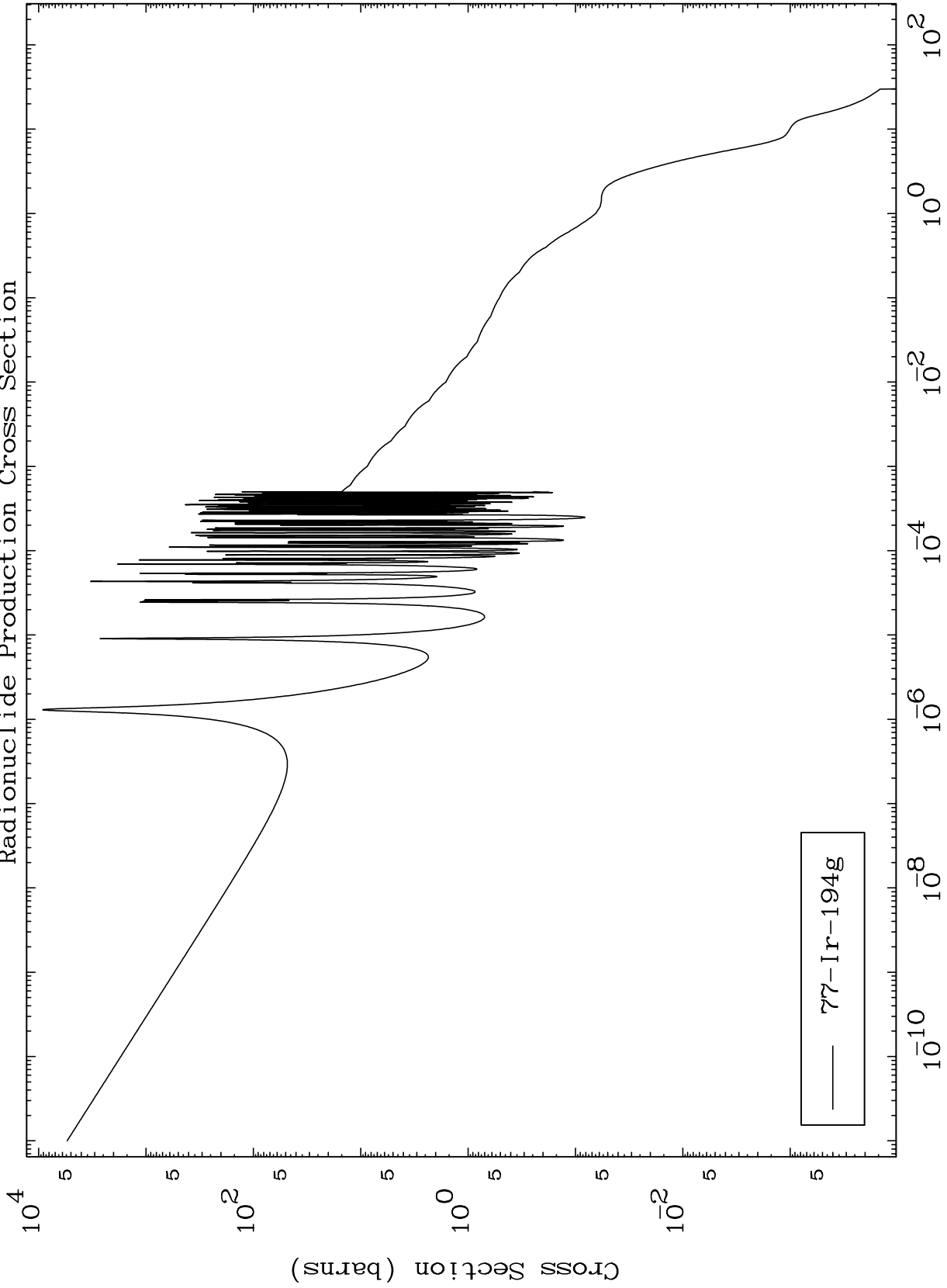
Incident Energy (MeV)

77-Ir-193

MAT 7731

77-Ir-193

(n, γ)
Radionuclide Production Cross Section



152

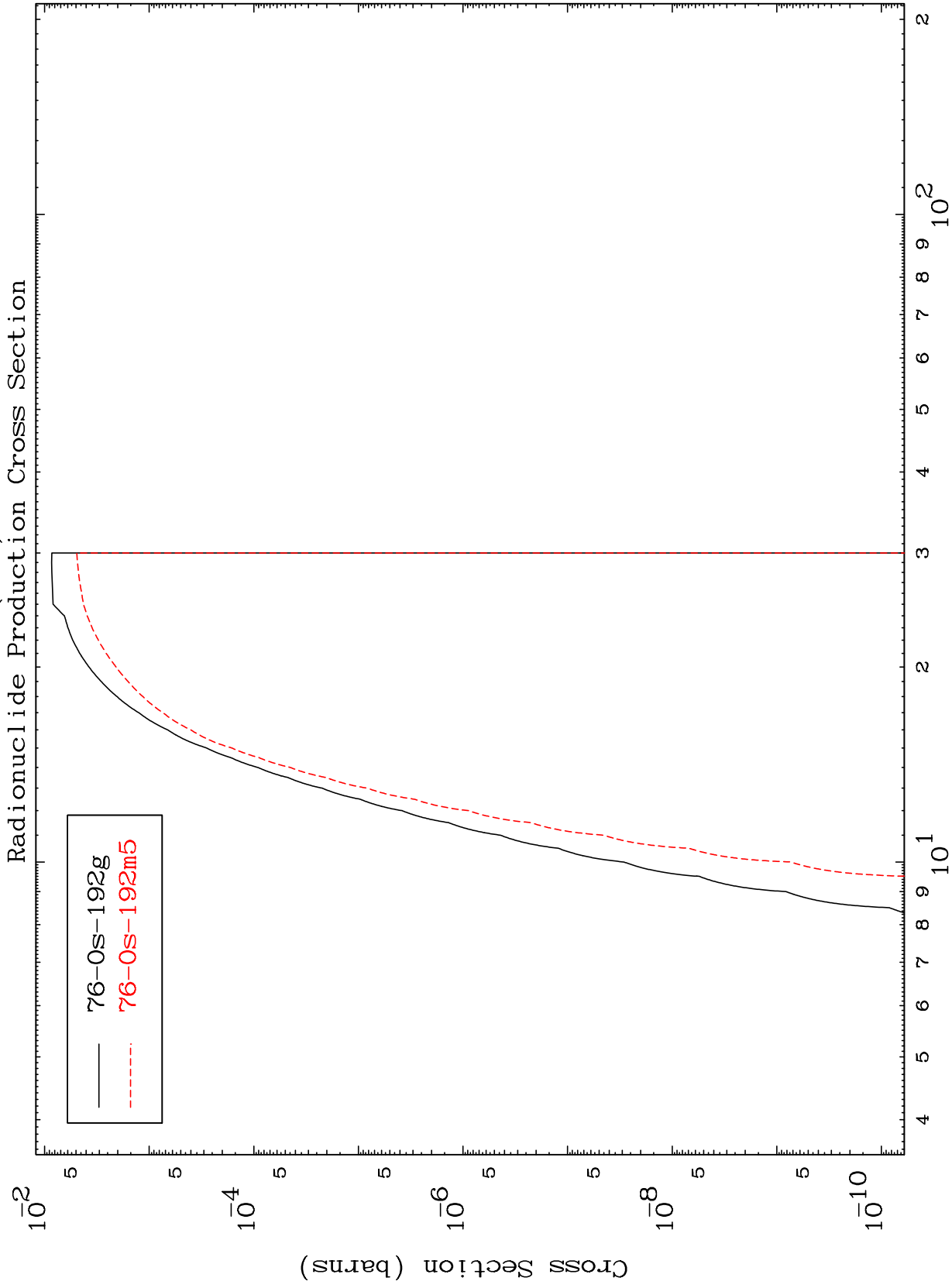
77-Ir-193

MAT 7731

(n,d)

⁷⁷Ir-193

Radionuclide Production Cross Section



153

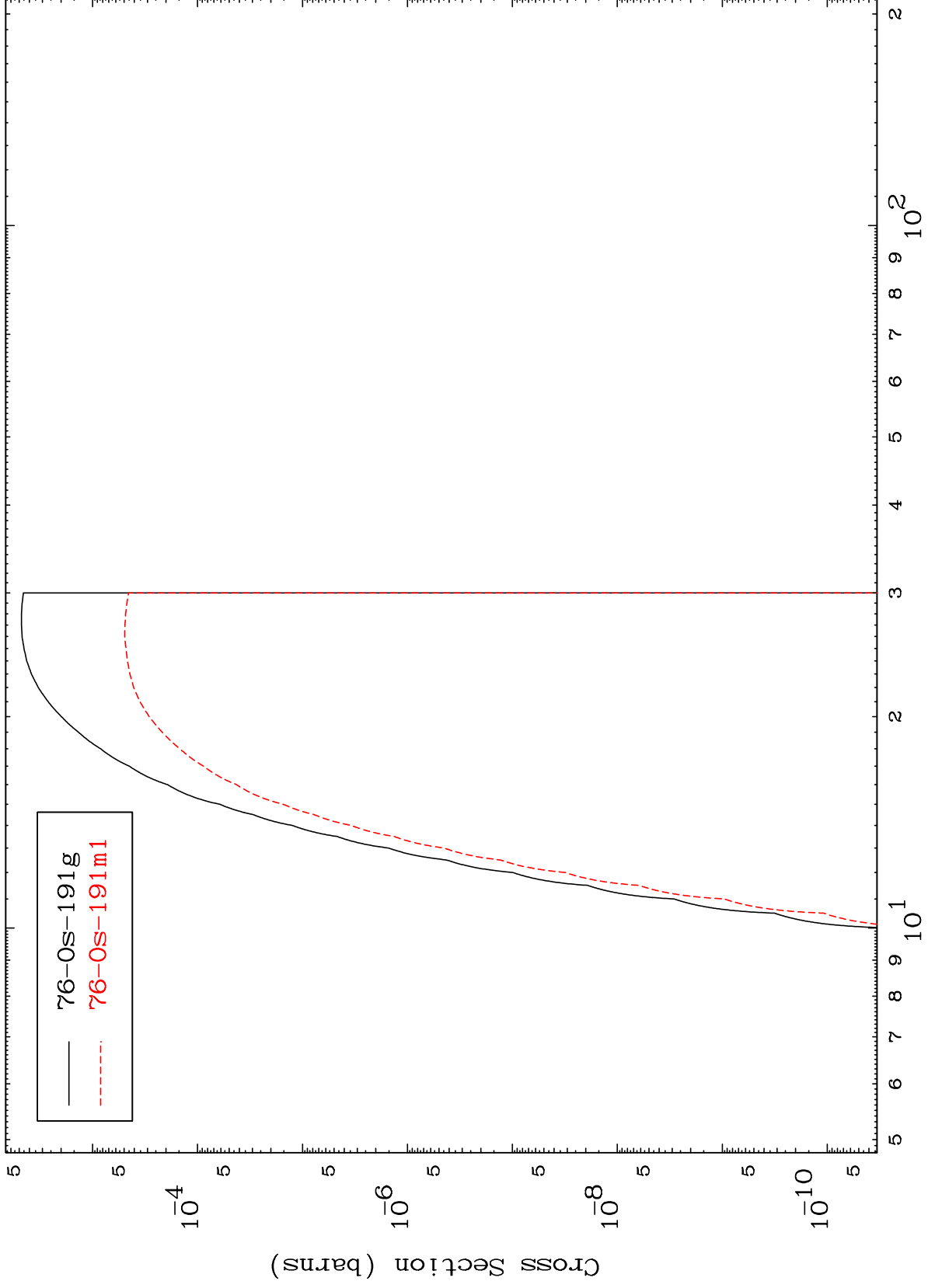
Incident Energy (MeV)

⁷⁷Ir-193

MAT 7731

77-Ir-193

(n, t)
Radionuclide Production Cross Section



154

Incident Energy (MeV)

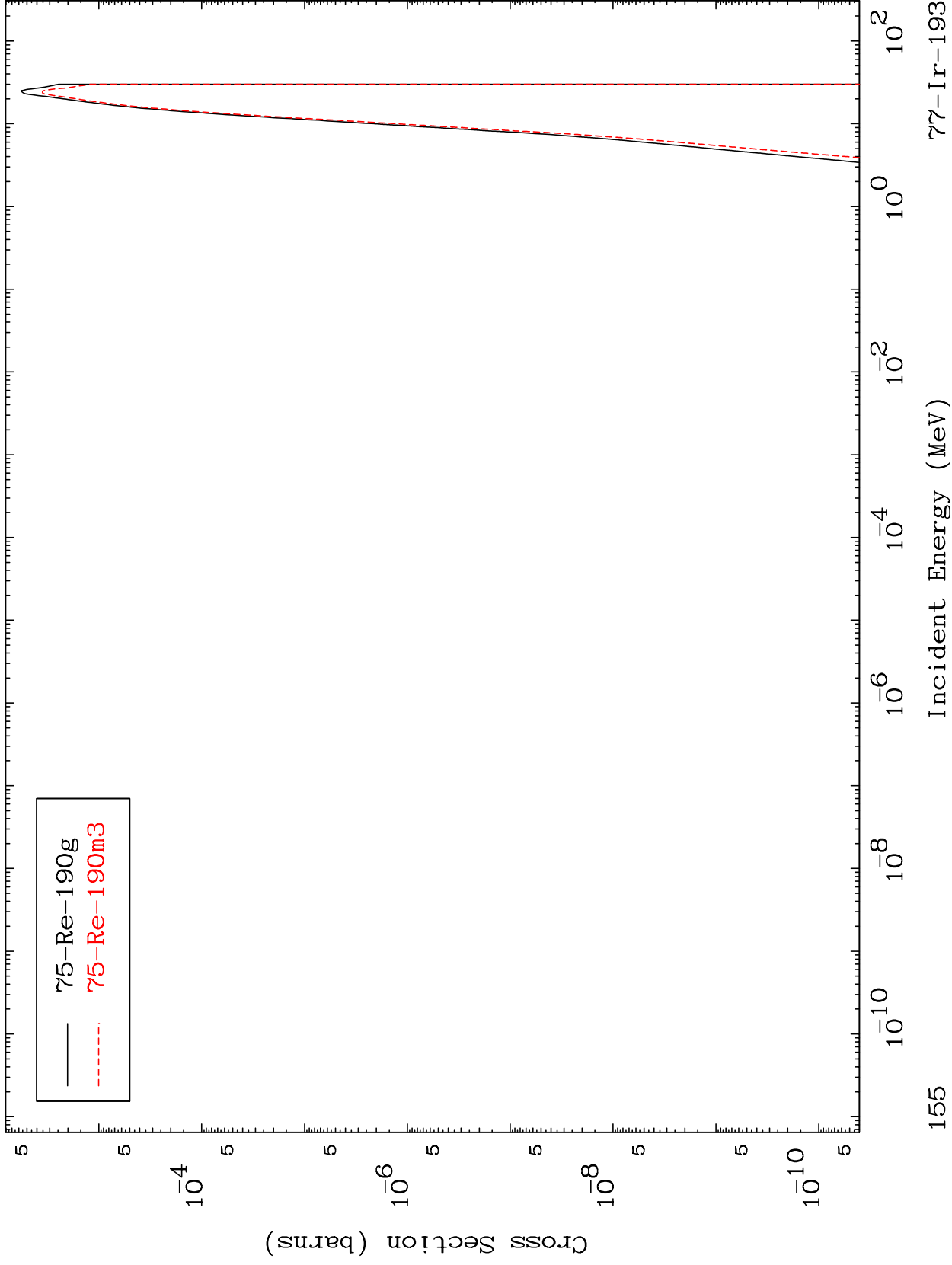
77-Ir-193

MAT 7731

(n, α)

⁷⁷Ir-193

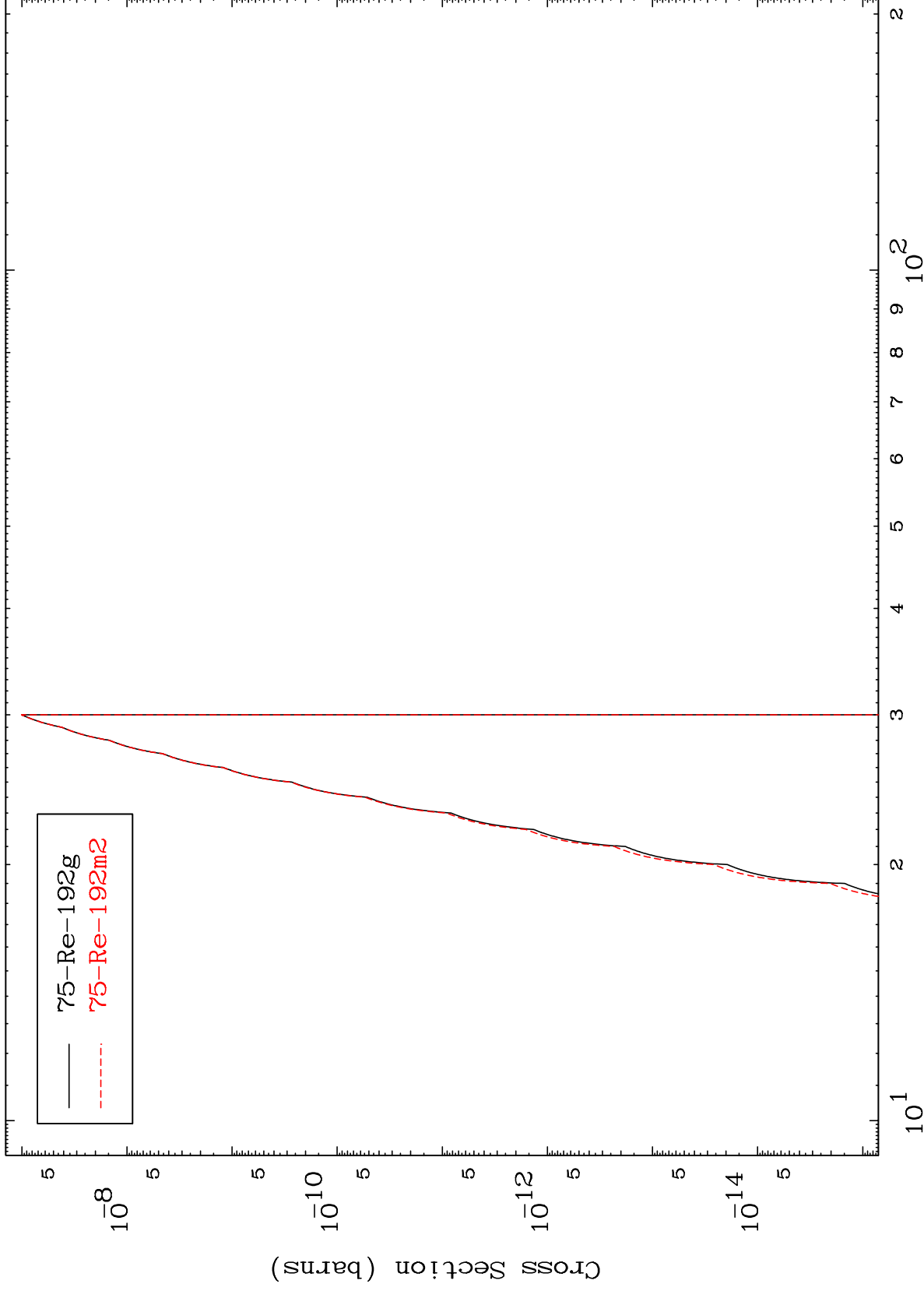
Radionuclide Production Cross Section



MAT 7731

77-Ir-193

(n,2p)
Radionuclide Production Cross Section



156

Incident Energy (MeV)

77-Ir-193