

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

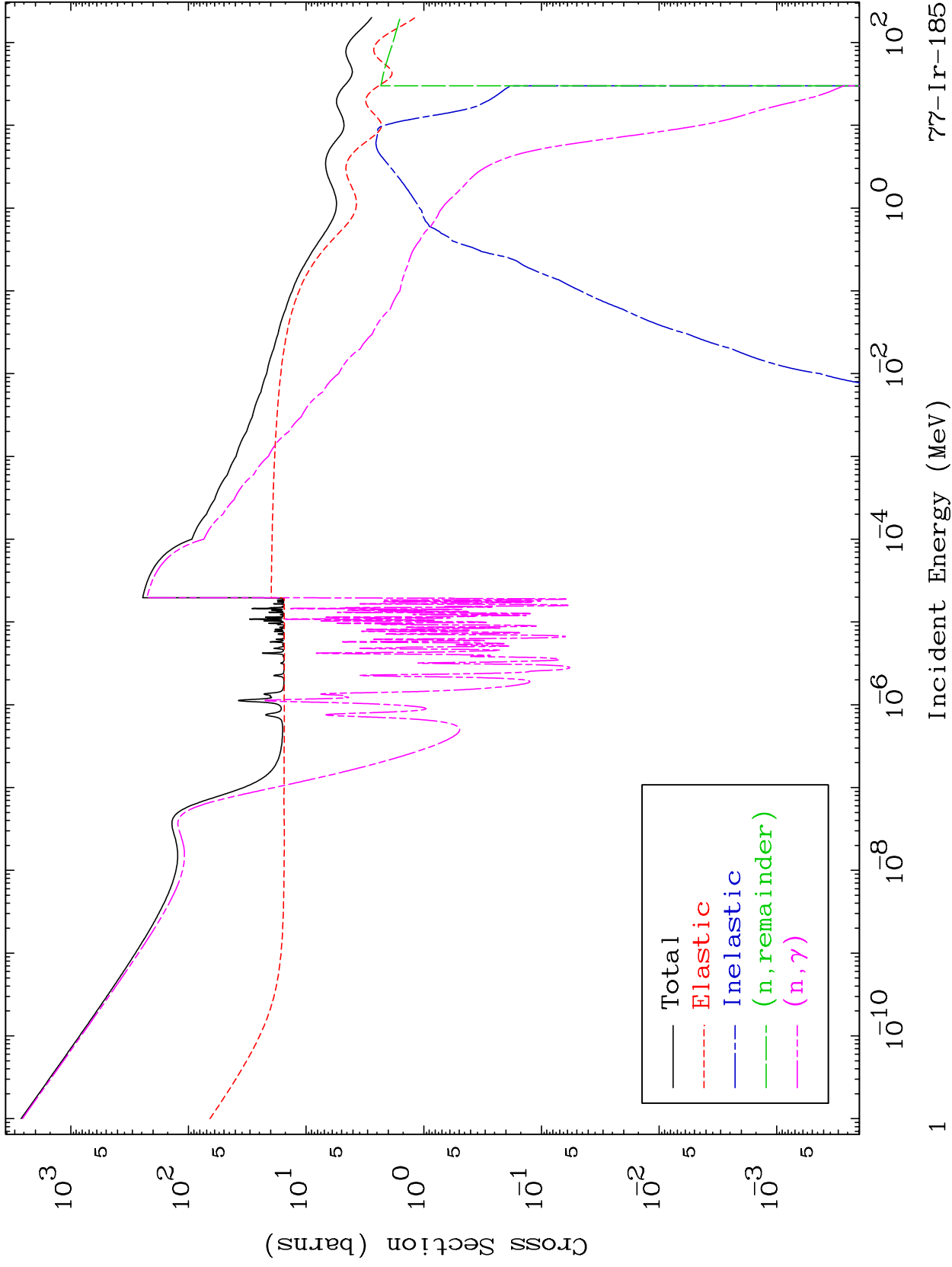
Press Mouse Button to Start

MAT 7707

Major

293 Kelvin Cross Sections

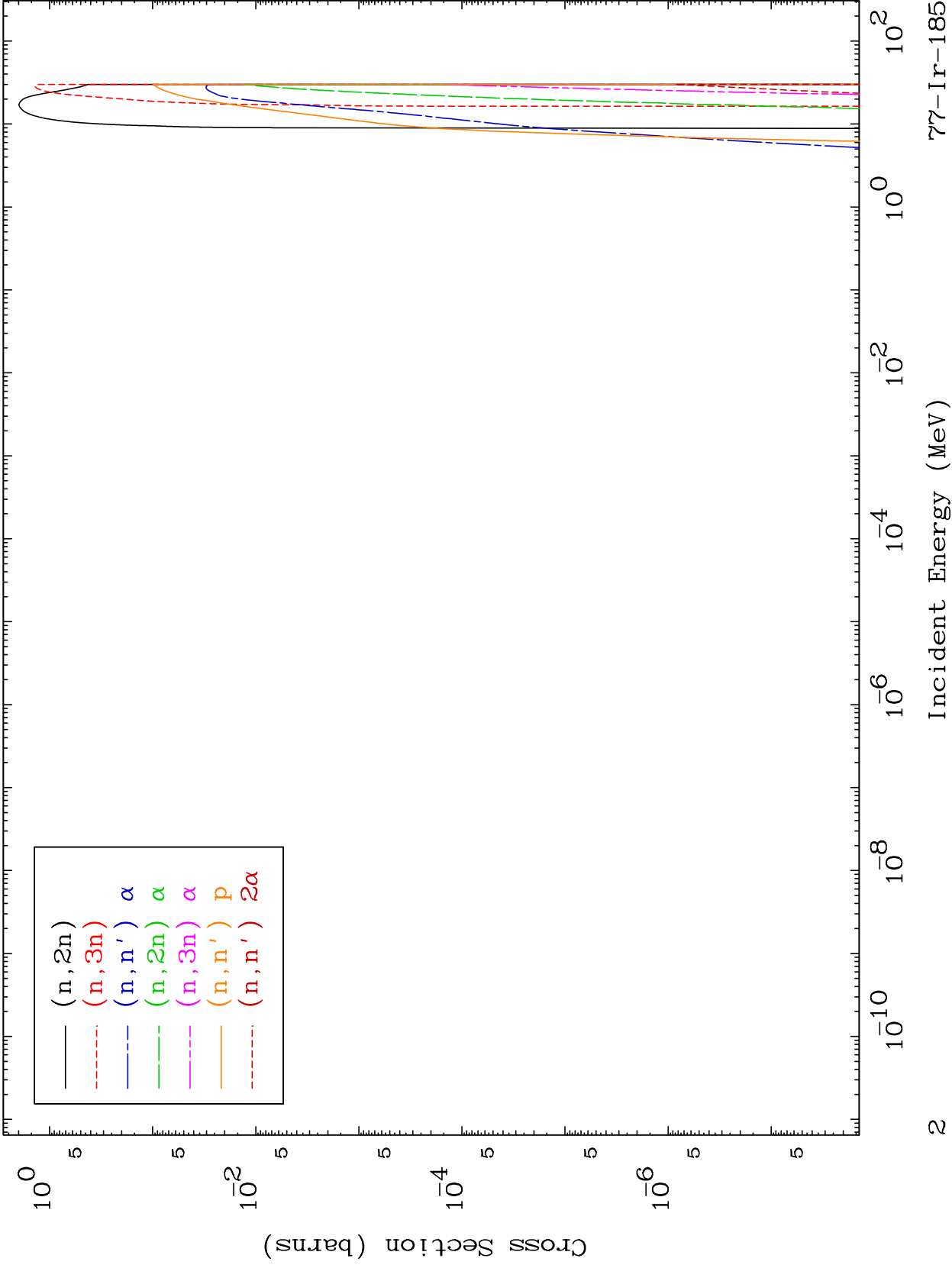
77-Ir-185

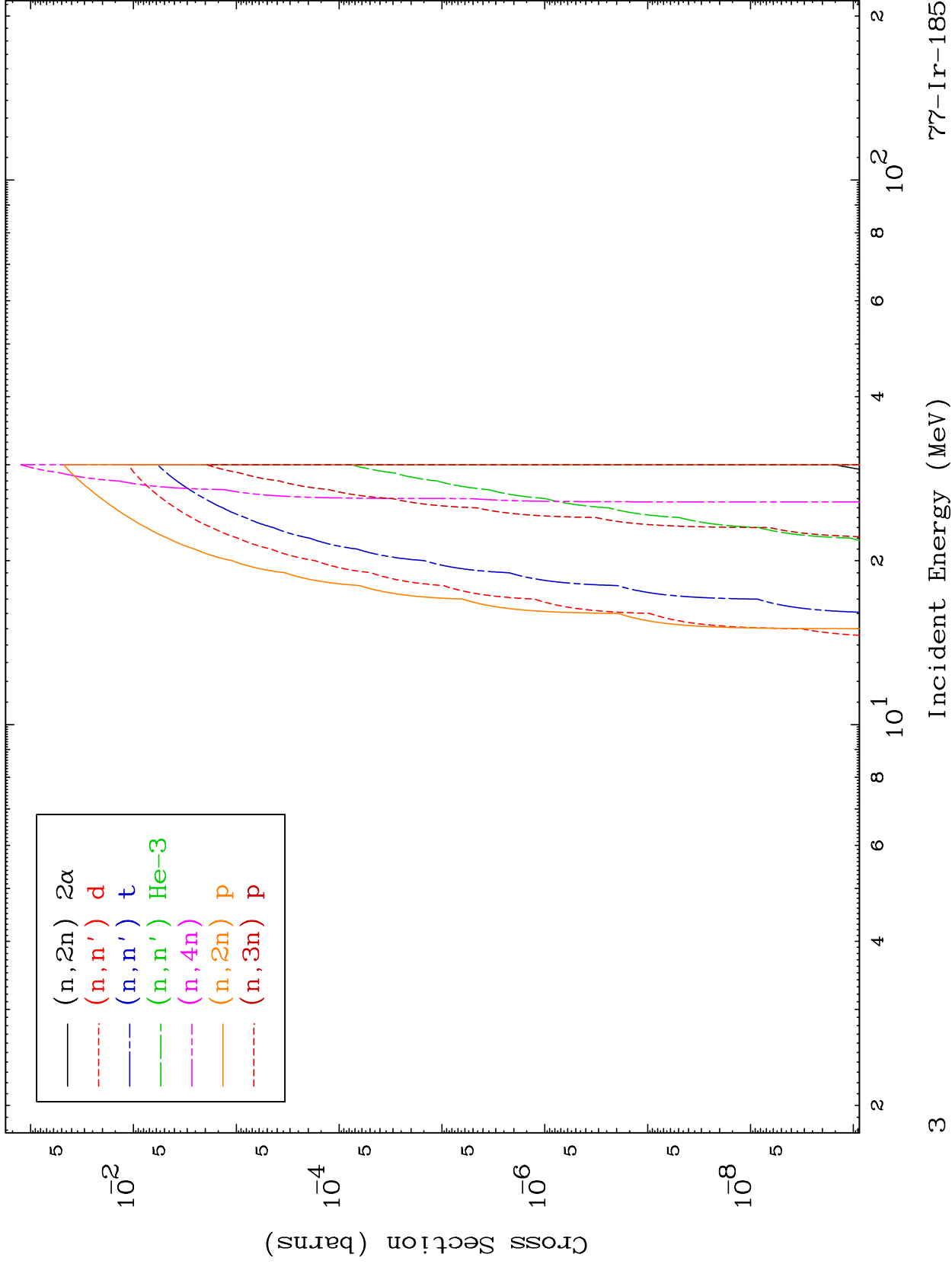


MAT 7707

Neutron Production
293 Kelvin Cross Sections

77-Ir-185

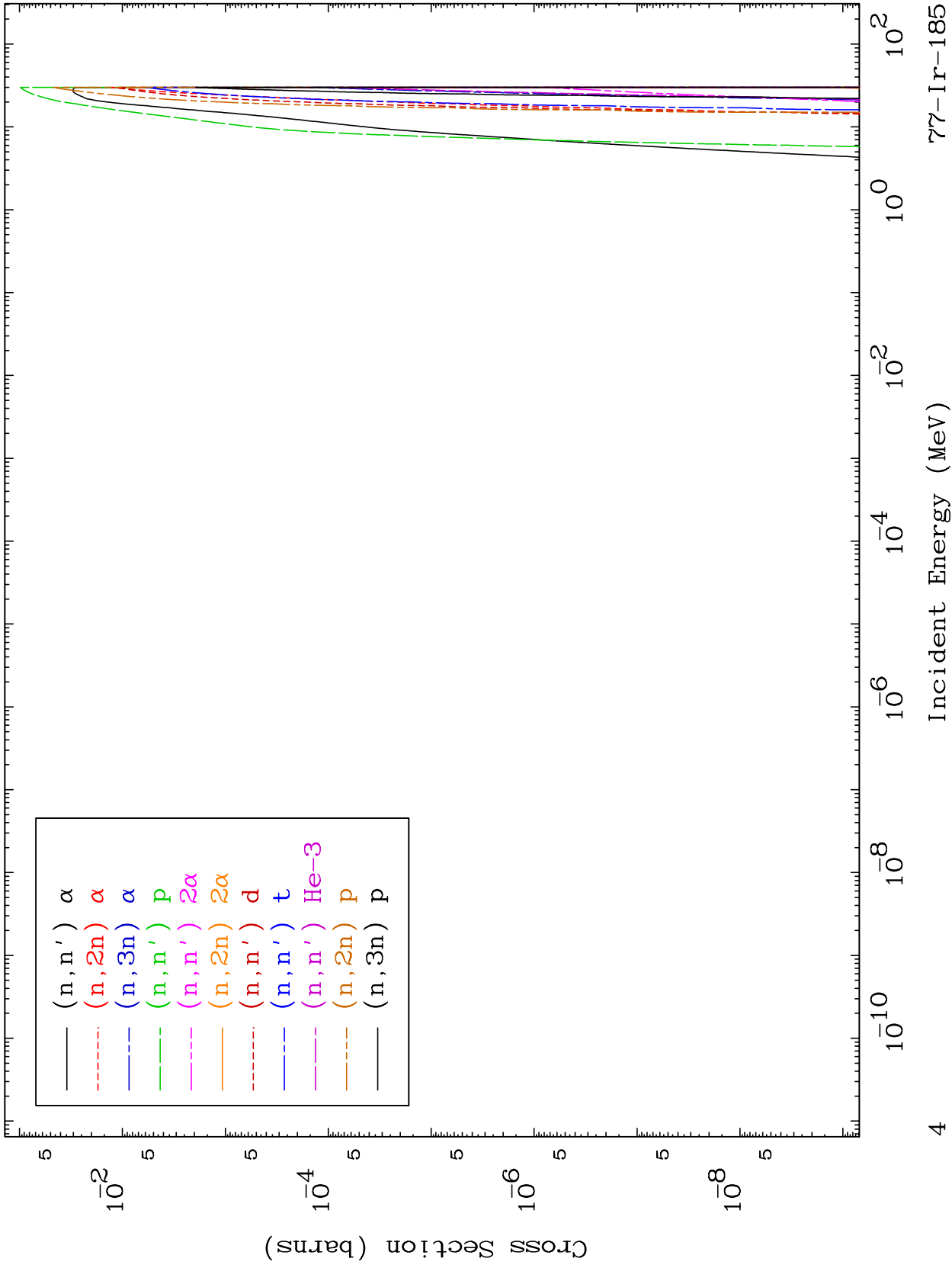




MAT 7707

Charged Particle
293 Kelvin Cross Sections

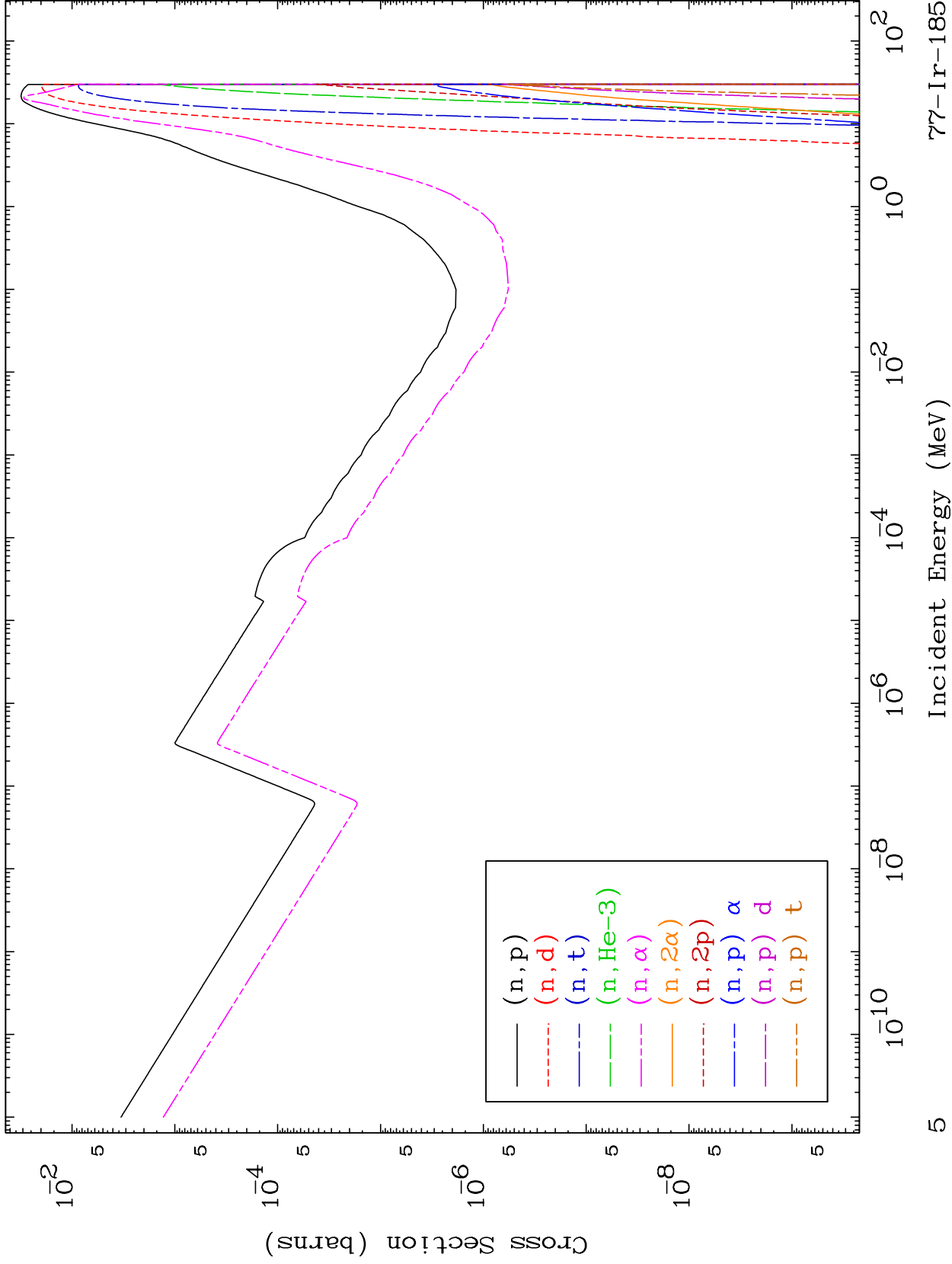
77-Ir-185

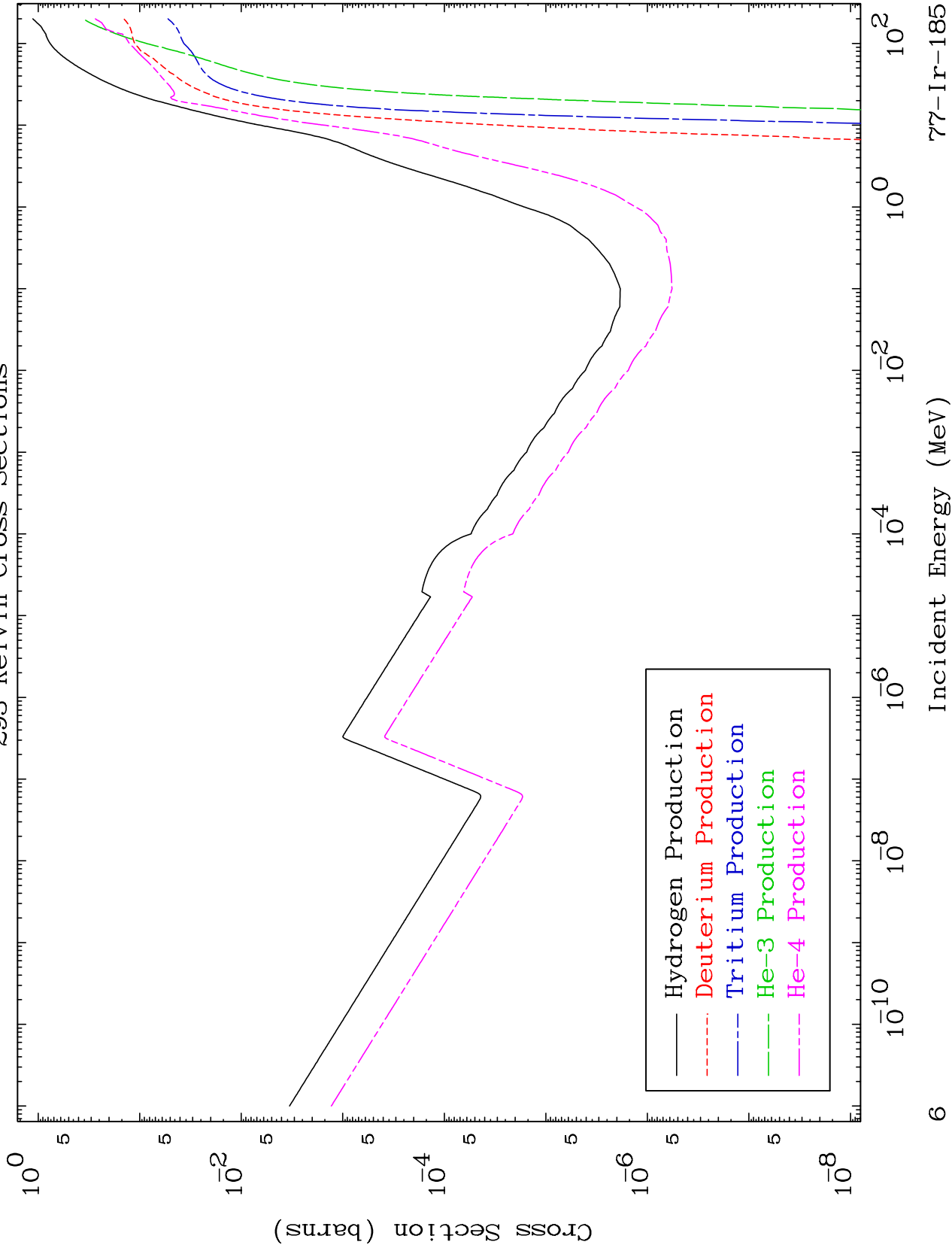


MAT 7707

Charged Particle
293 Kelvin Cross Sections

77-Ir-185

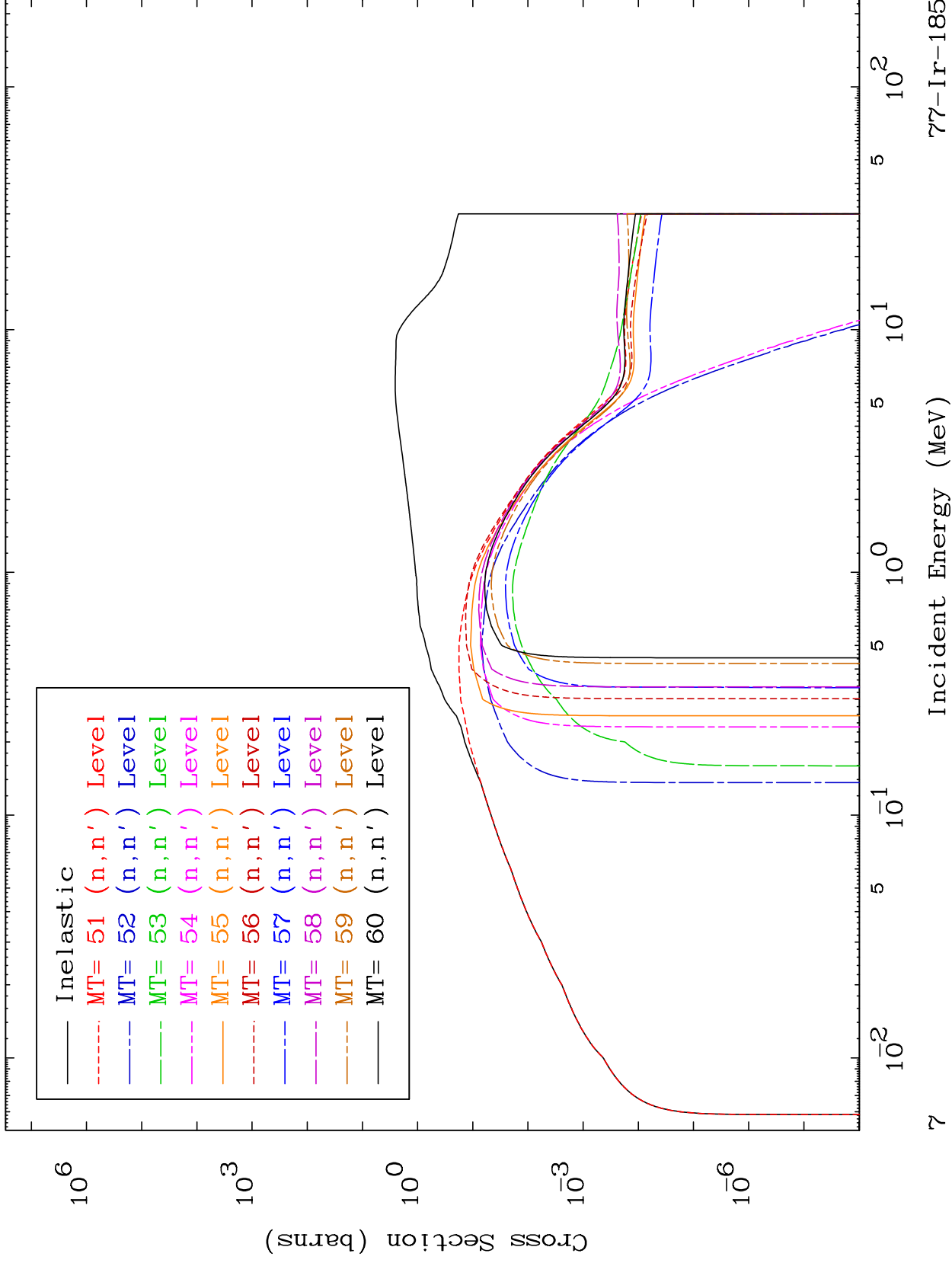




MAT 7707

(n,n') Level
293 Kelvin Cross Sections

77-Ir-185

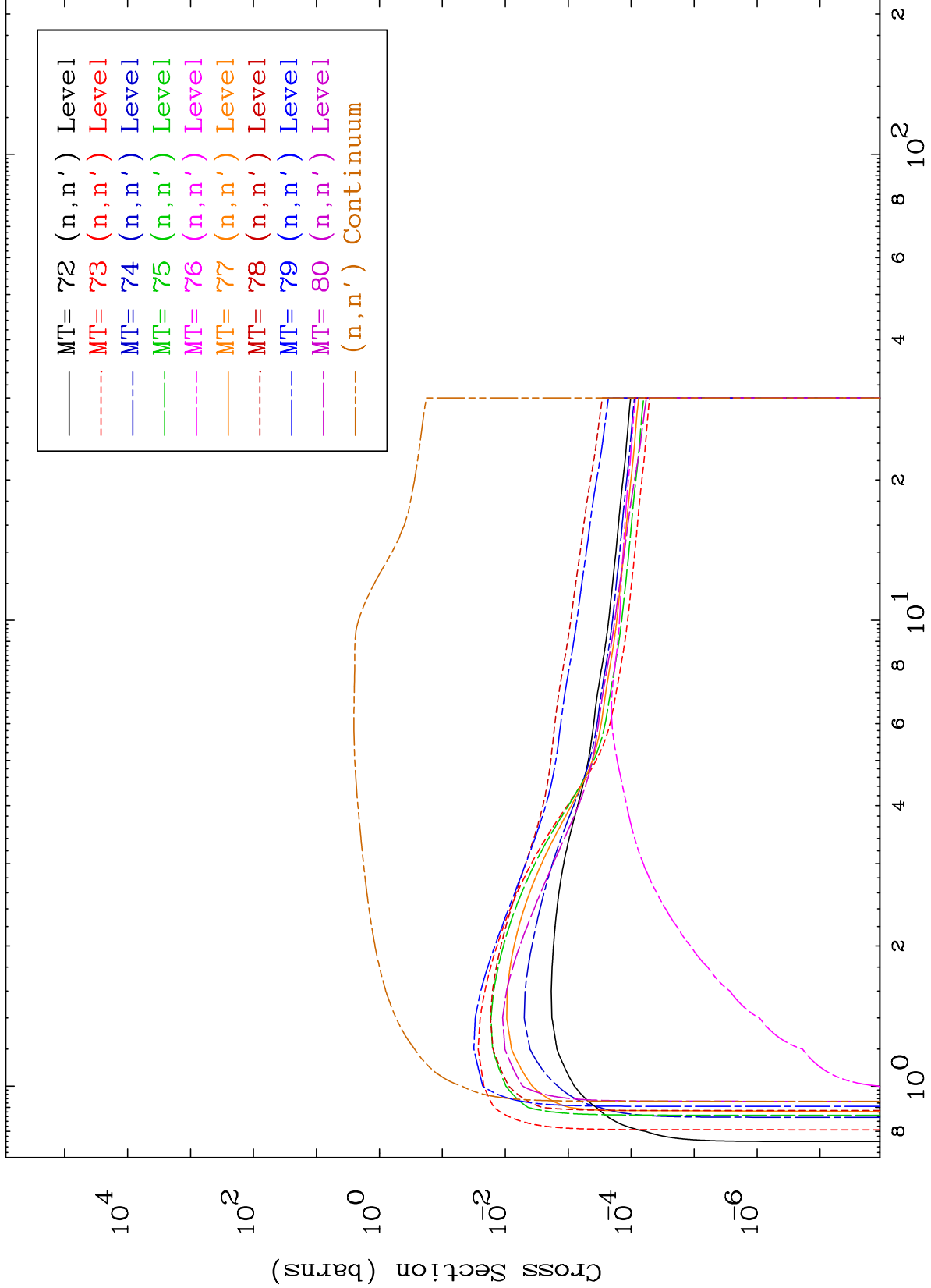


MAT 7707

(n,n') Level

293 Kelvin Cross Sections

77-Ir-185



9

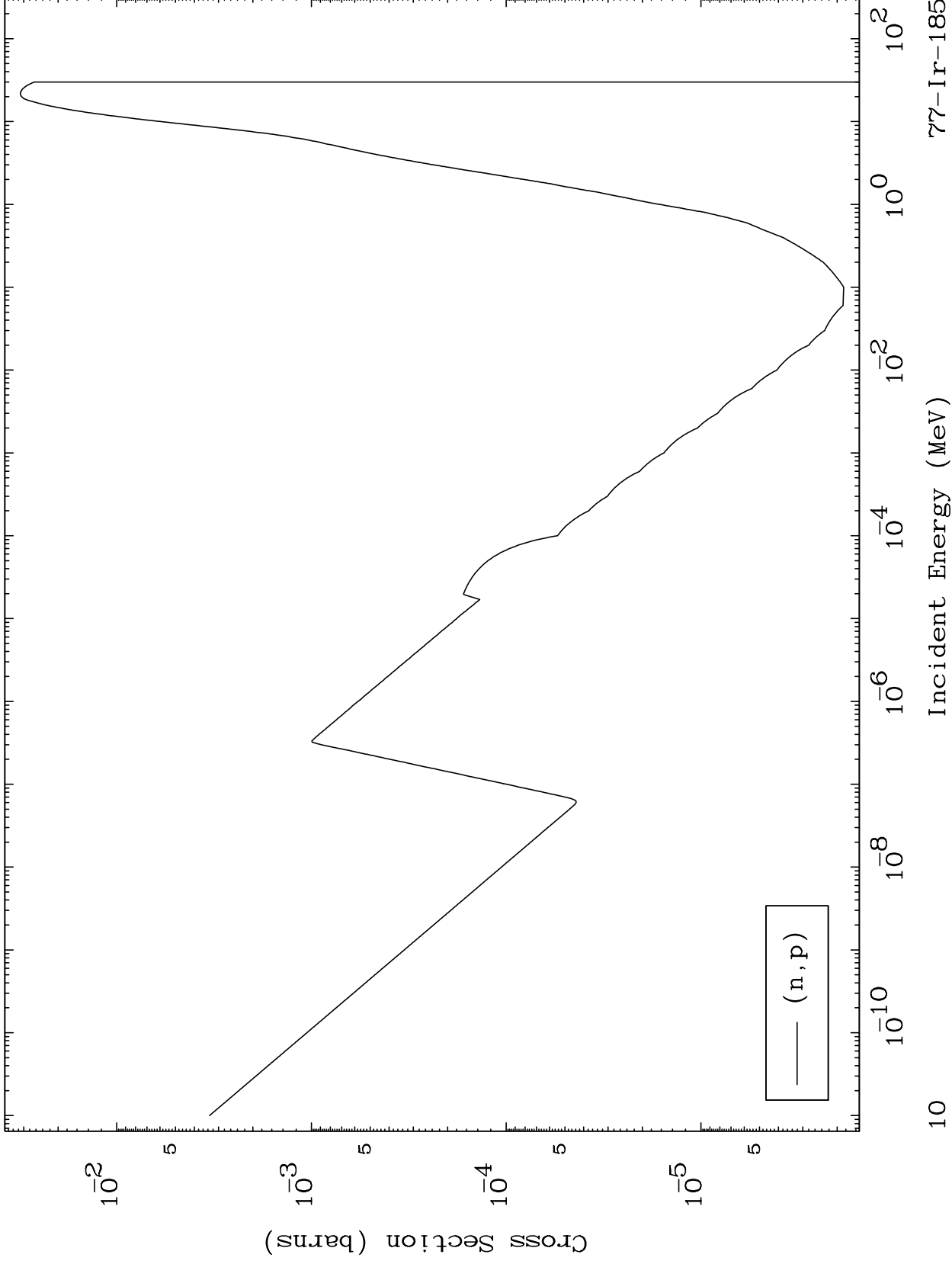
Incident Energy (MeV)

77-Ir-185

MAT 7707

(n,p) Levels
293 Kelvin Cross Sections

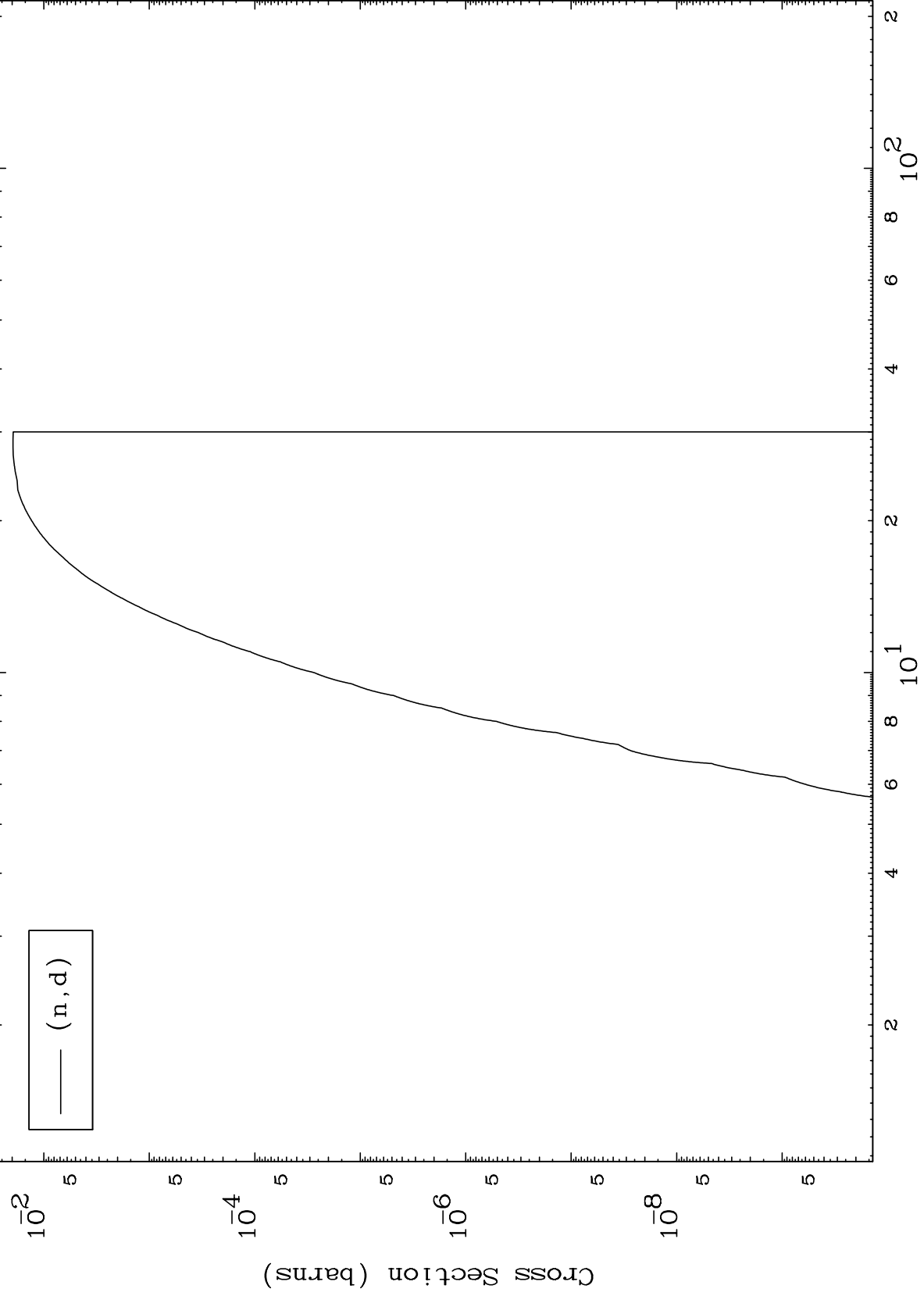
77-Ir-185



MAT 7707

(n,d) Levels
293 Kelvin Cross Sections

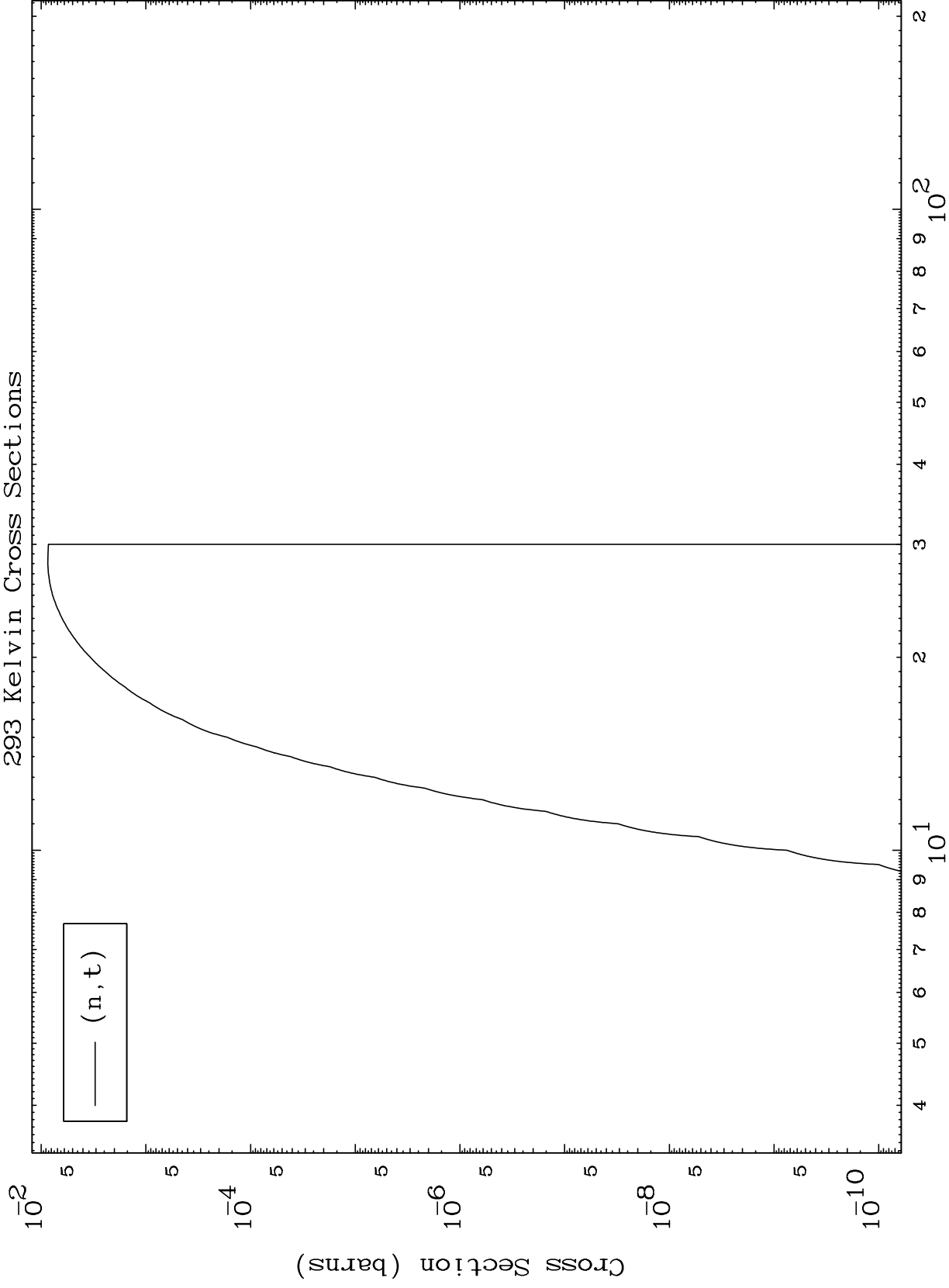
77-Ir-185



MAT 7707

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-185



12

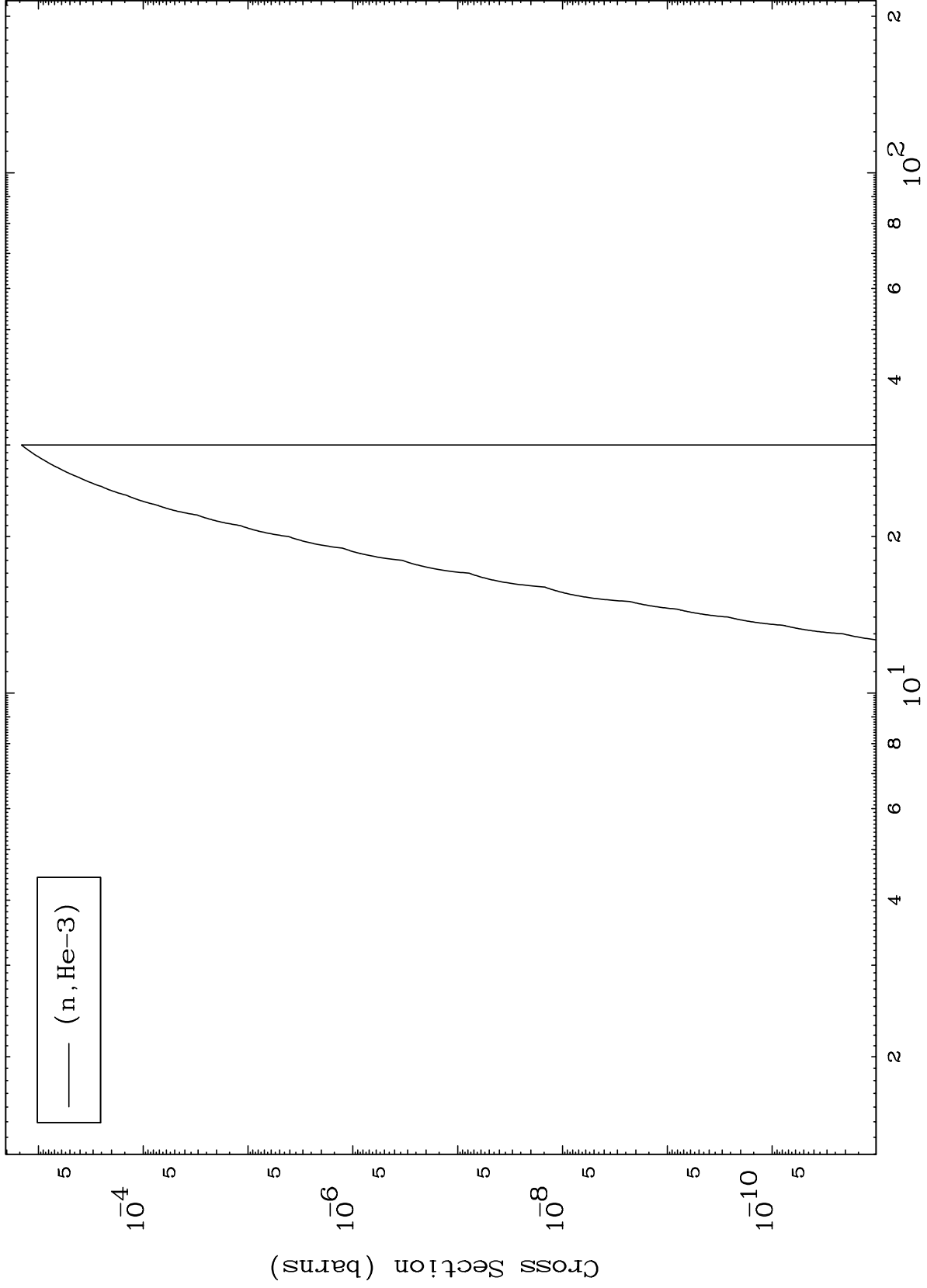
Incident Energy (MeV)

77-Ir-185

MAT 7707

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-185



13

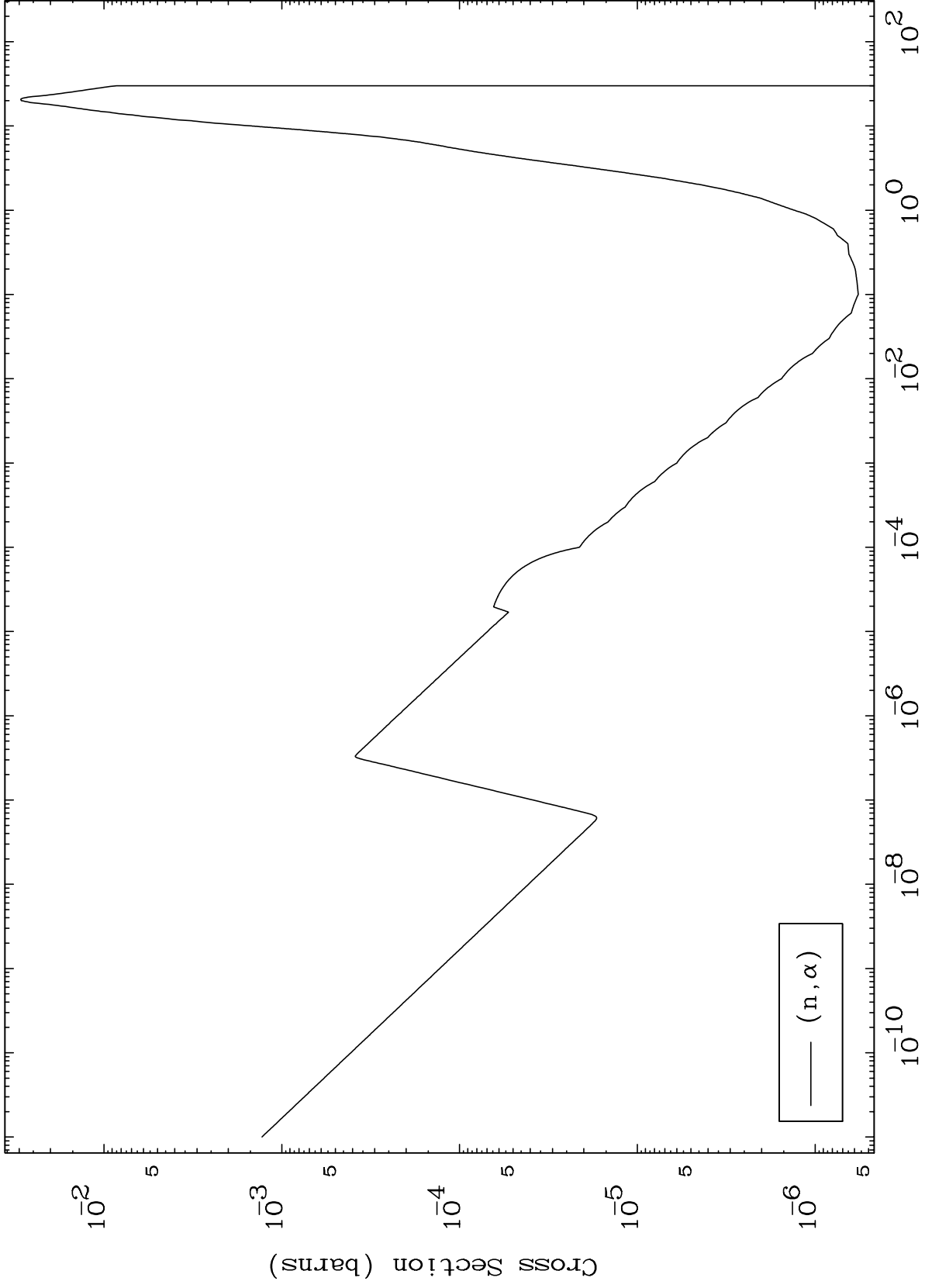
Incident Energy (MeV)

77-Ir-185

MAT 7707

(n,α) Levels
293 Kelvin Cross Sections

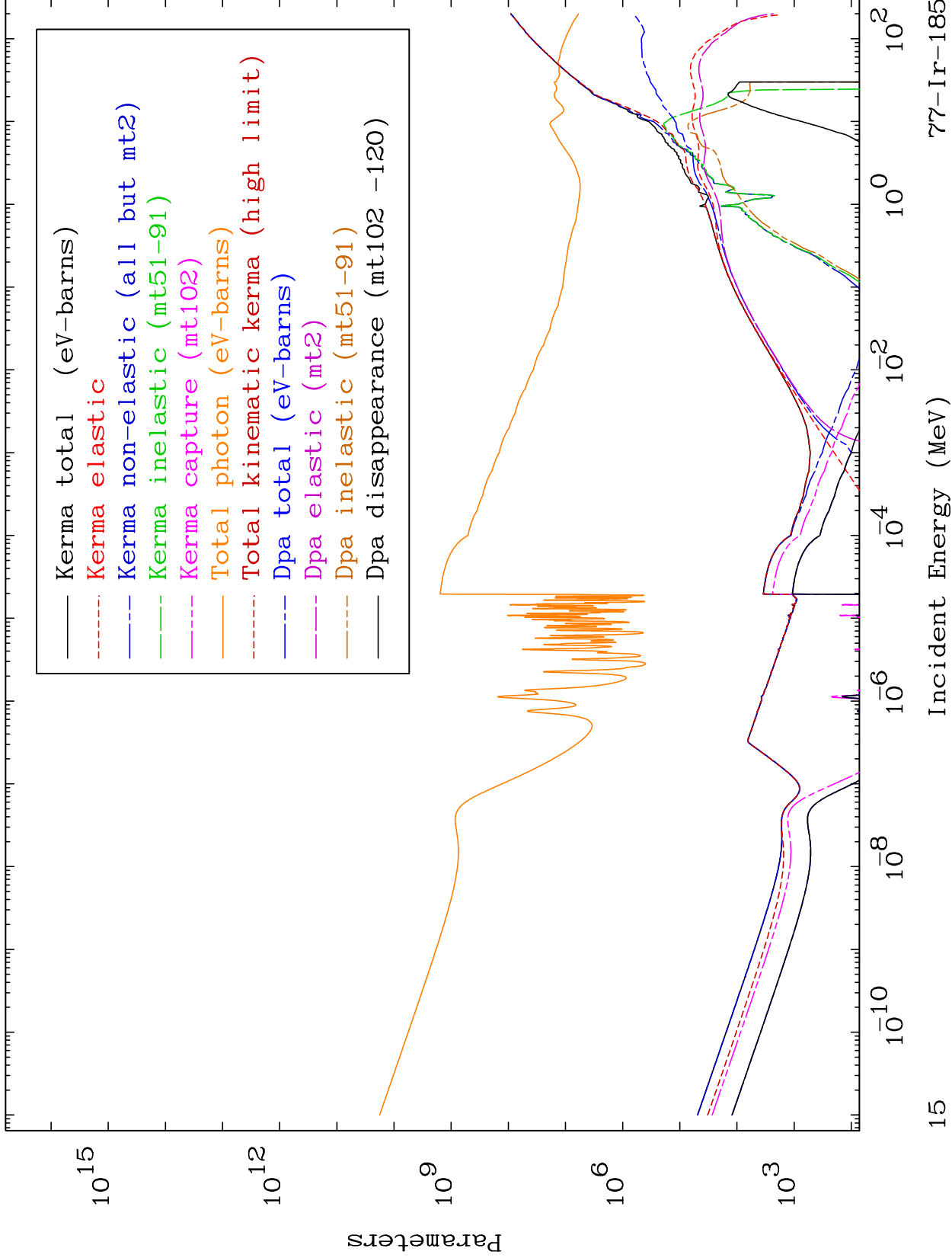
77-Ir-185

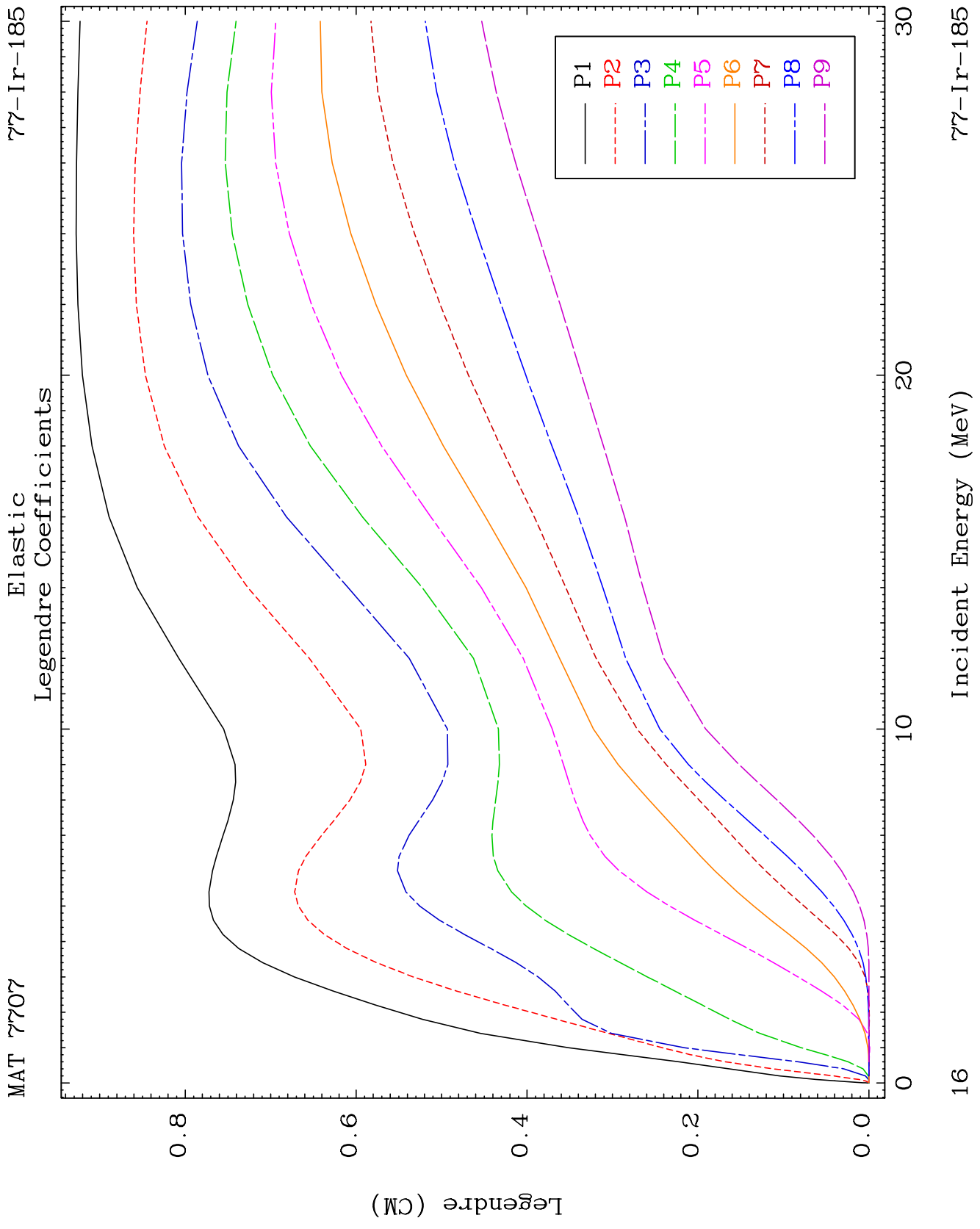


14

Incident Energy (MeV)

77-Ir-185





77-Ir-185

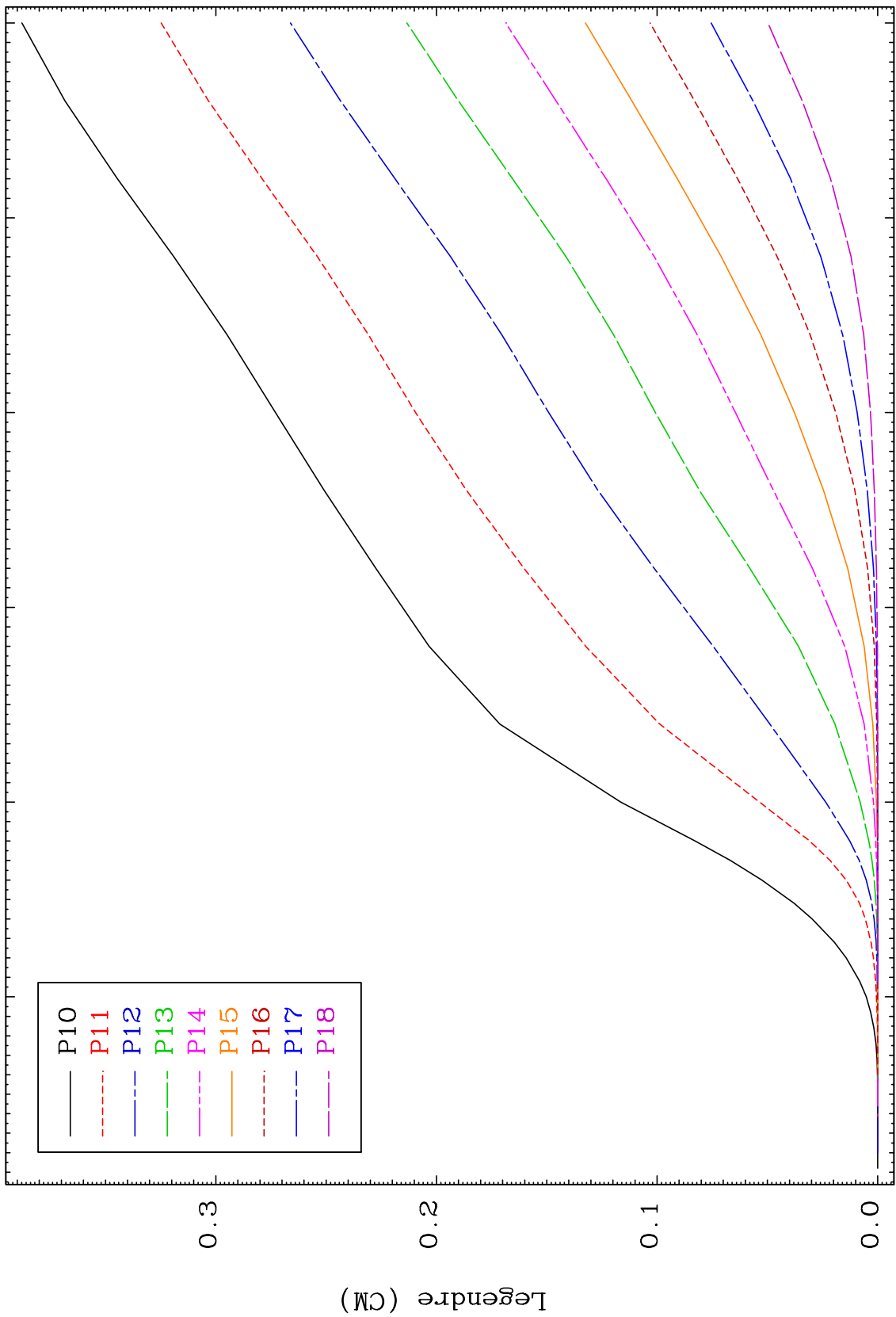
Incident Energy (MeV)

16

MAT 7707

Elastic Legendre Coefficients

⁷⁷Ir-185



17

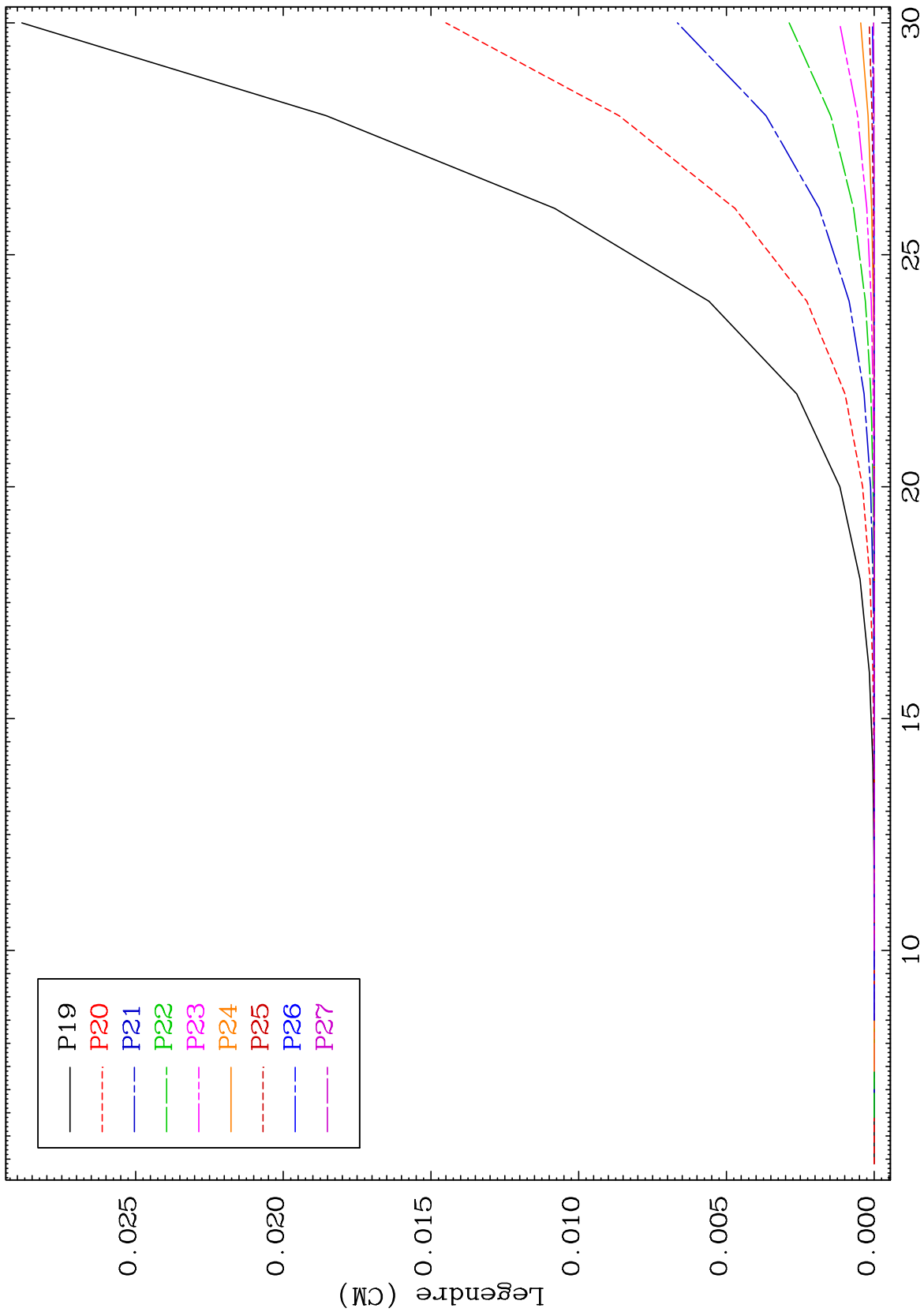
Incident Energy (MeV)

⁷⁷Ir-185

MAT 7707

Elastic Legendre Coefficients

77-Ir-185



18

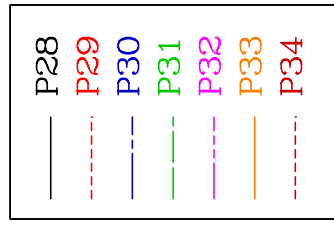
Incident Energy (MeV)

77-Ir-185

MAT 7707

Elastic
Legendre Coefficients

77-Ir-185



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

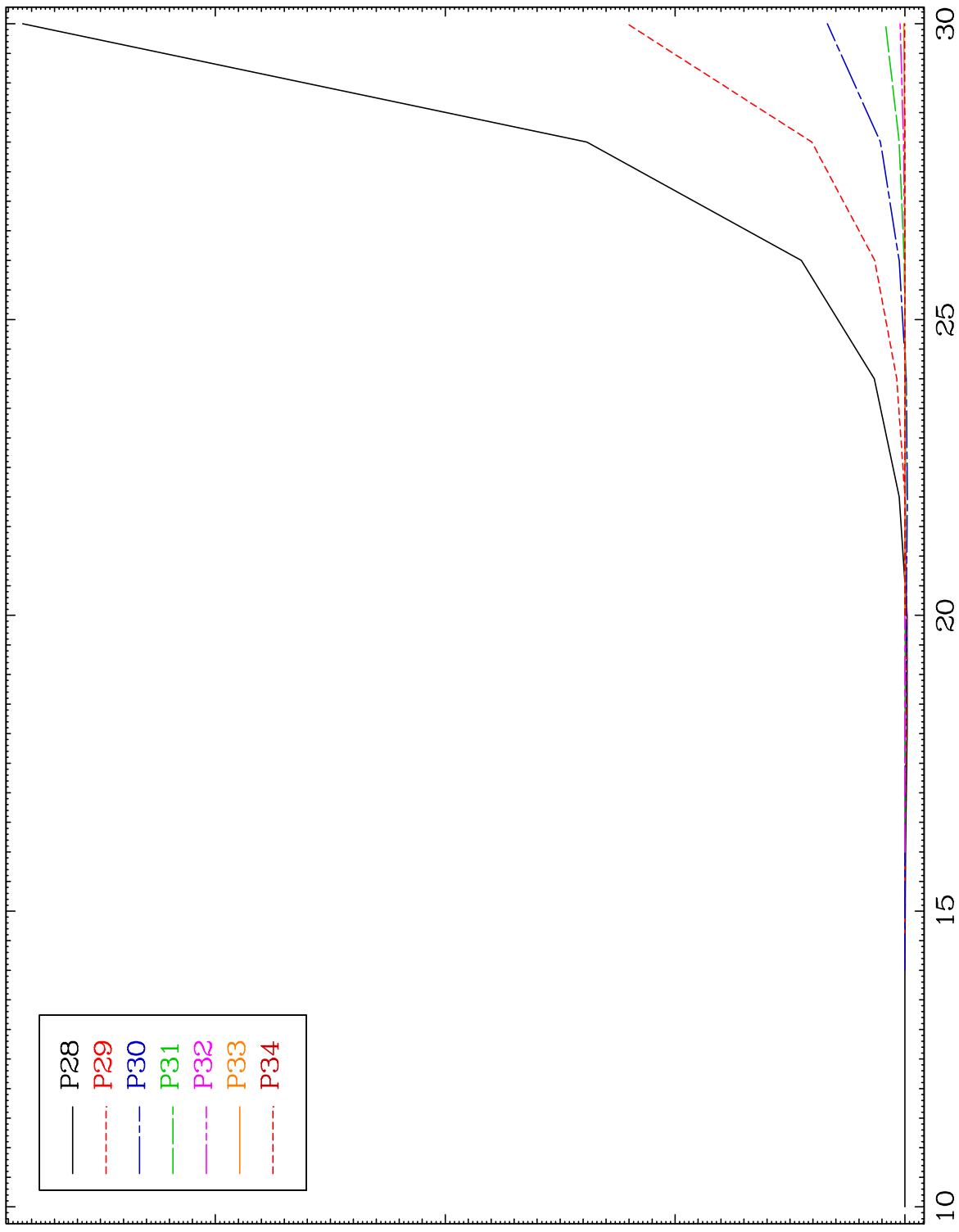
25

30

19

Incident Energy (MeV)

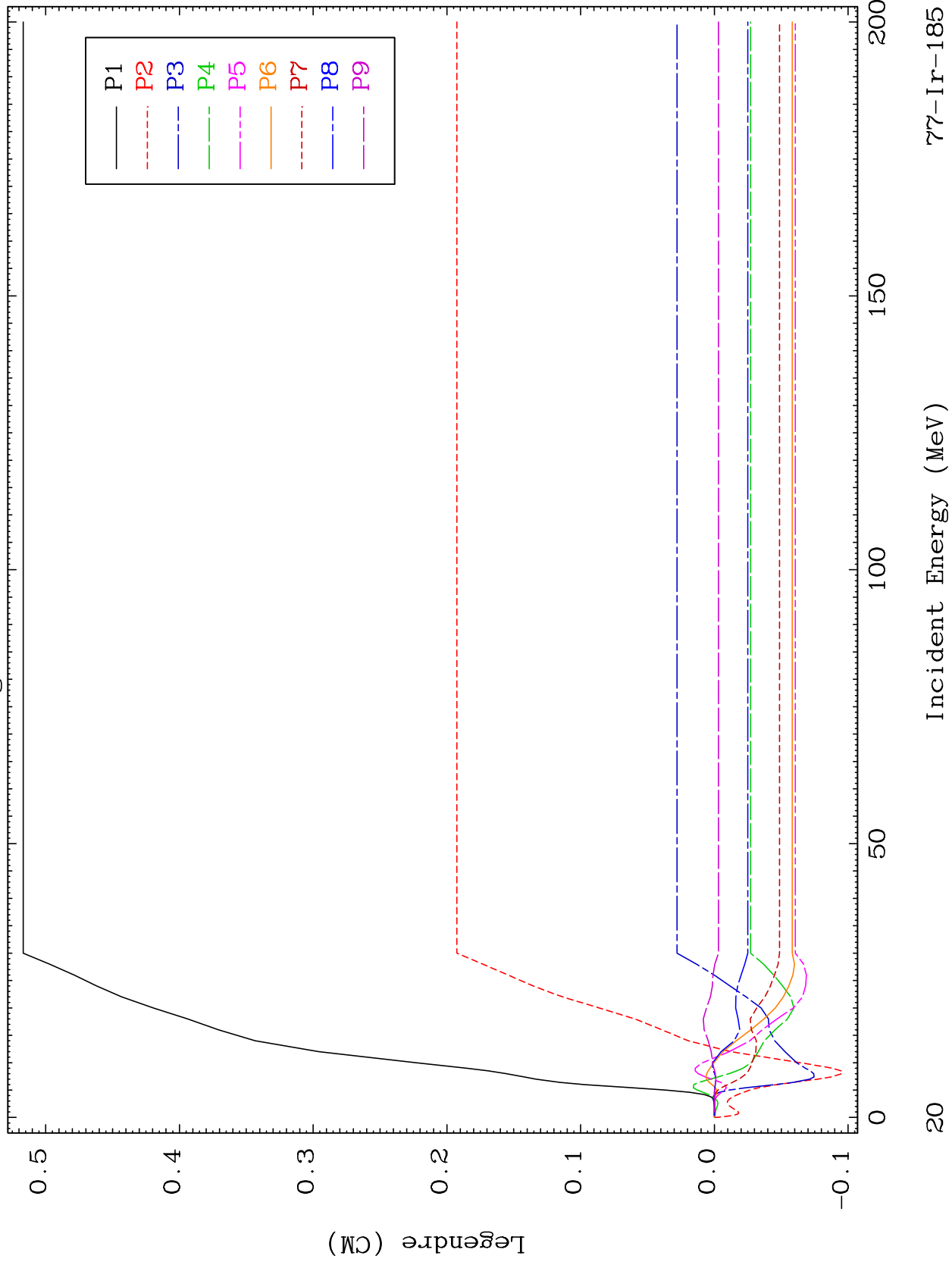
77-Ir-185



MAT 7707

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

77-Ir-185



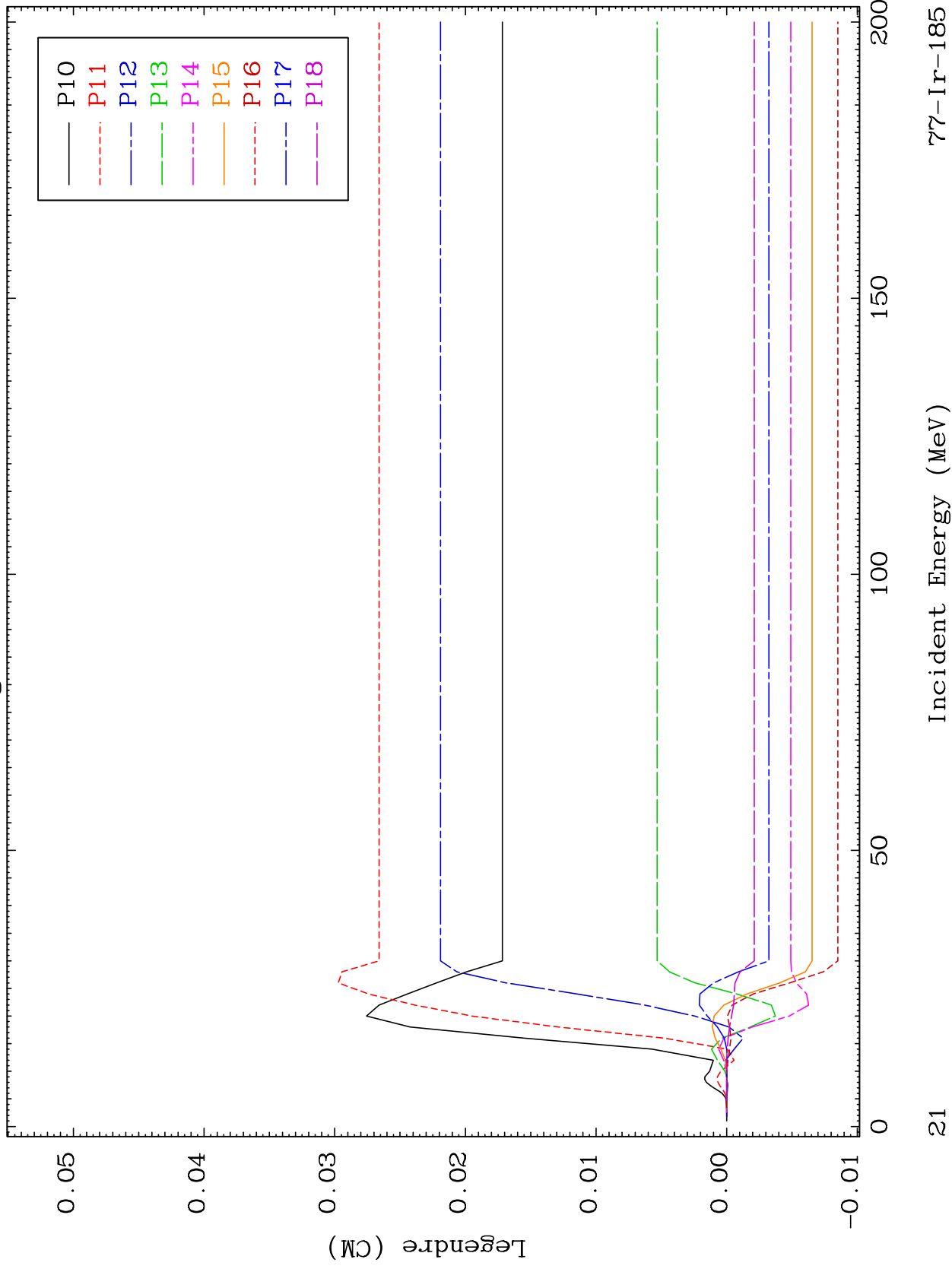
77-Ir-185

Incident Energy (MeV)

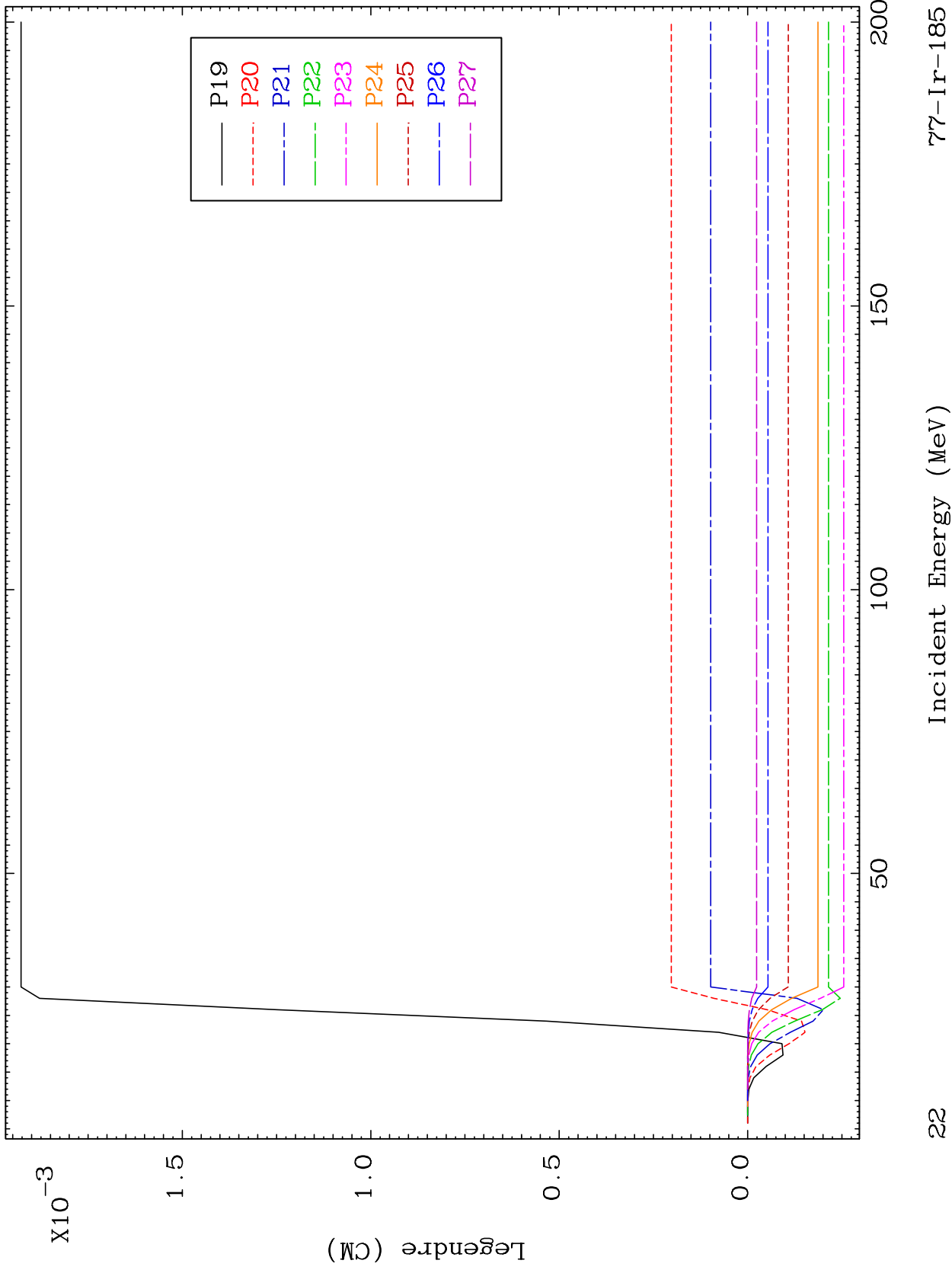
MAT 7707

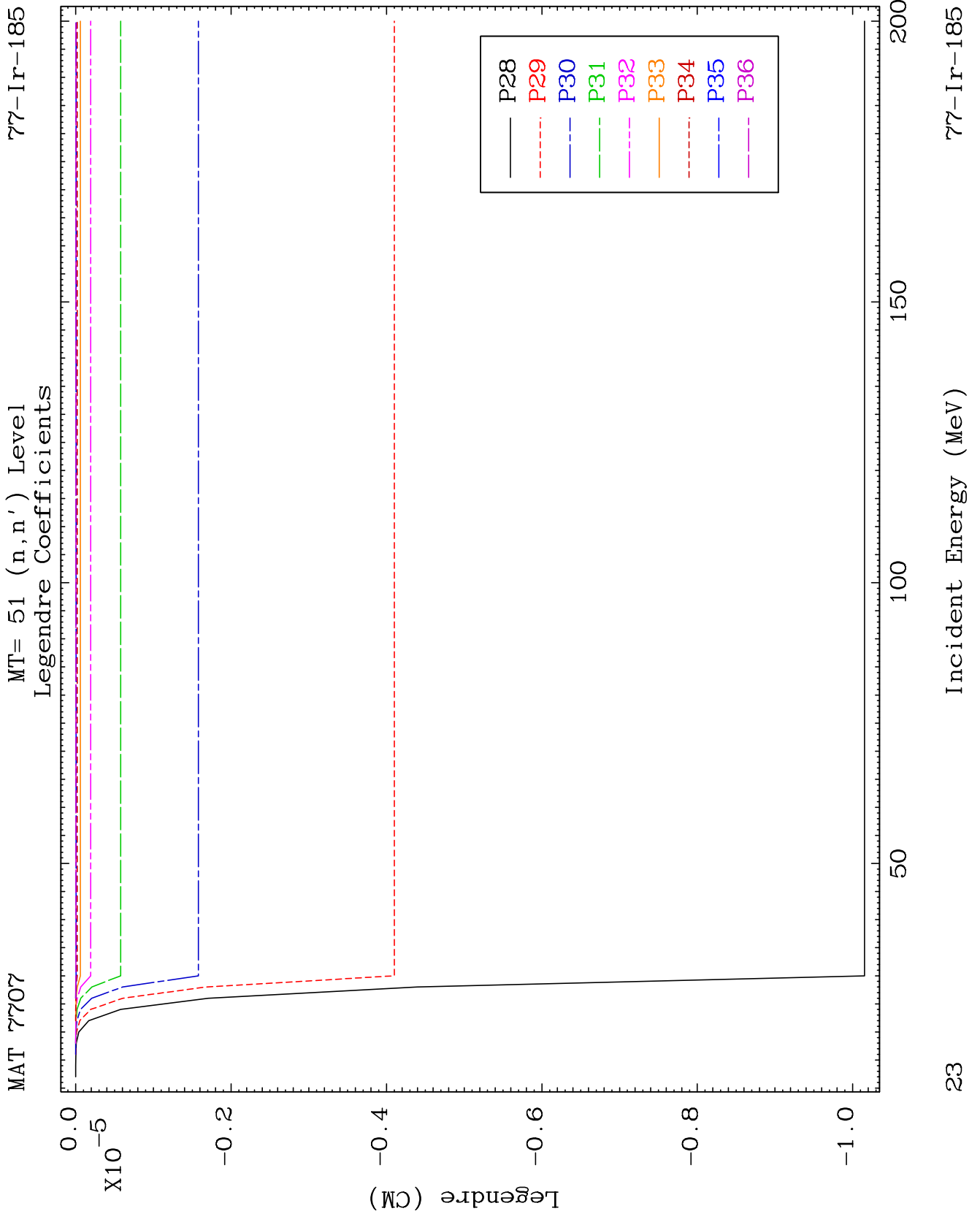
MT= 51 (n,n') Level
Legendre Coefficients

77-Ir-185



21

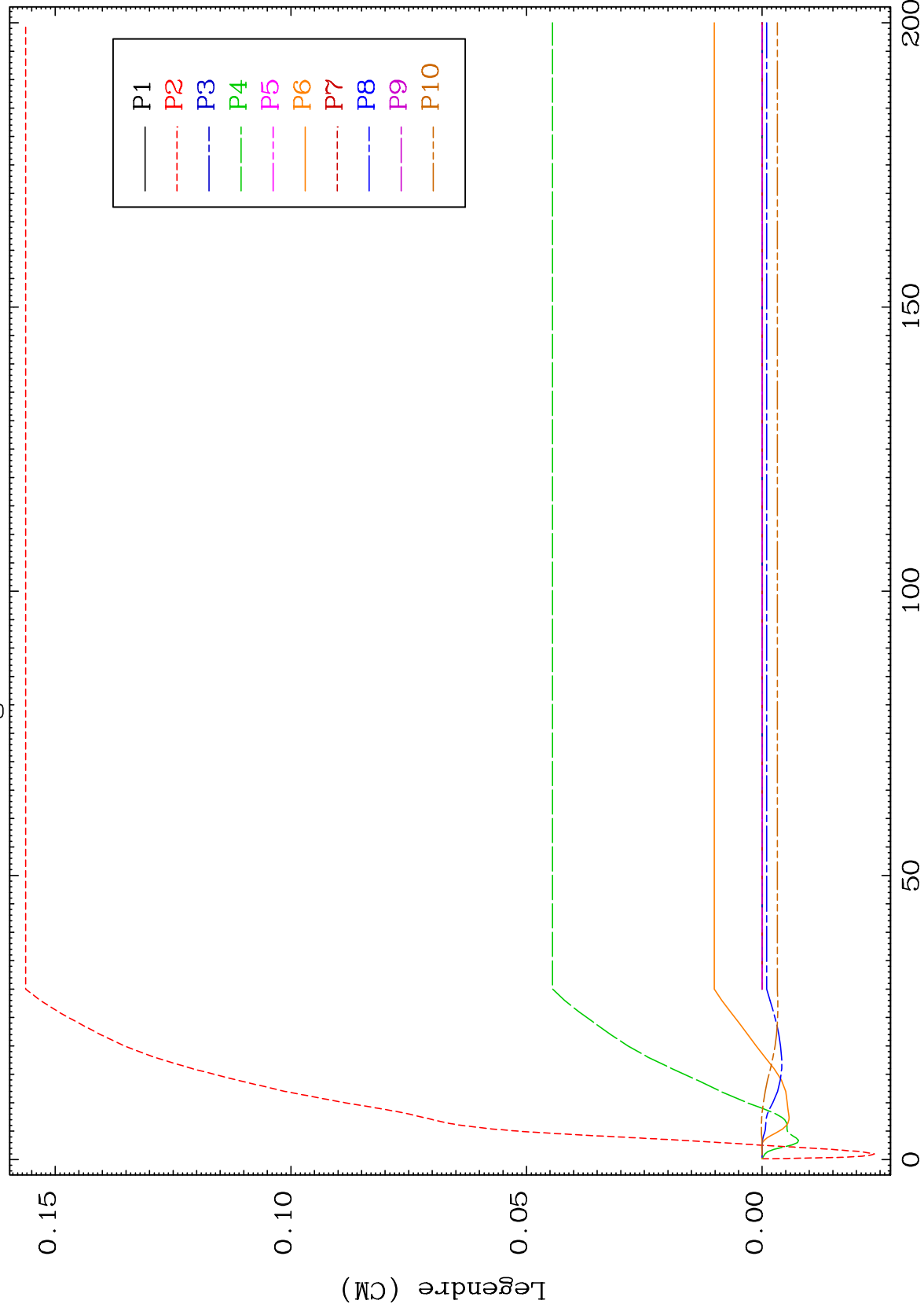




MAT 7707

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

77-Ir-185



24

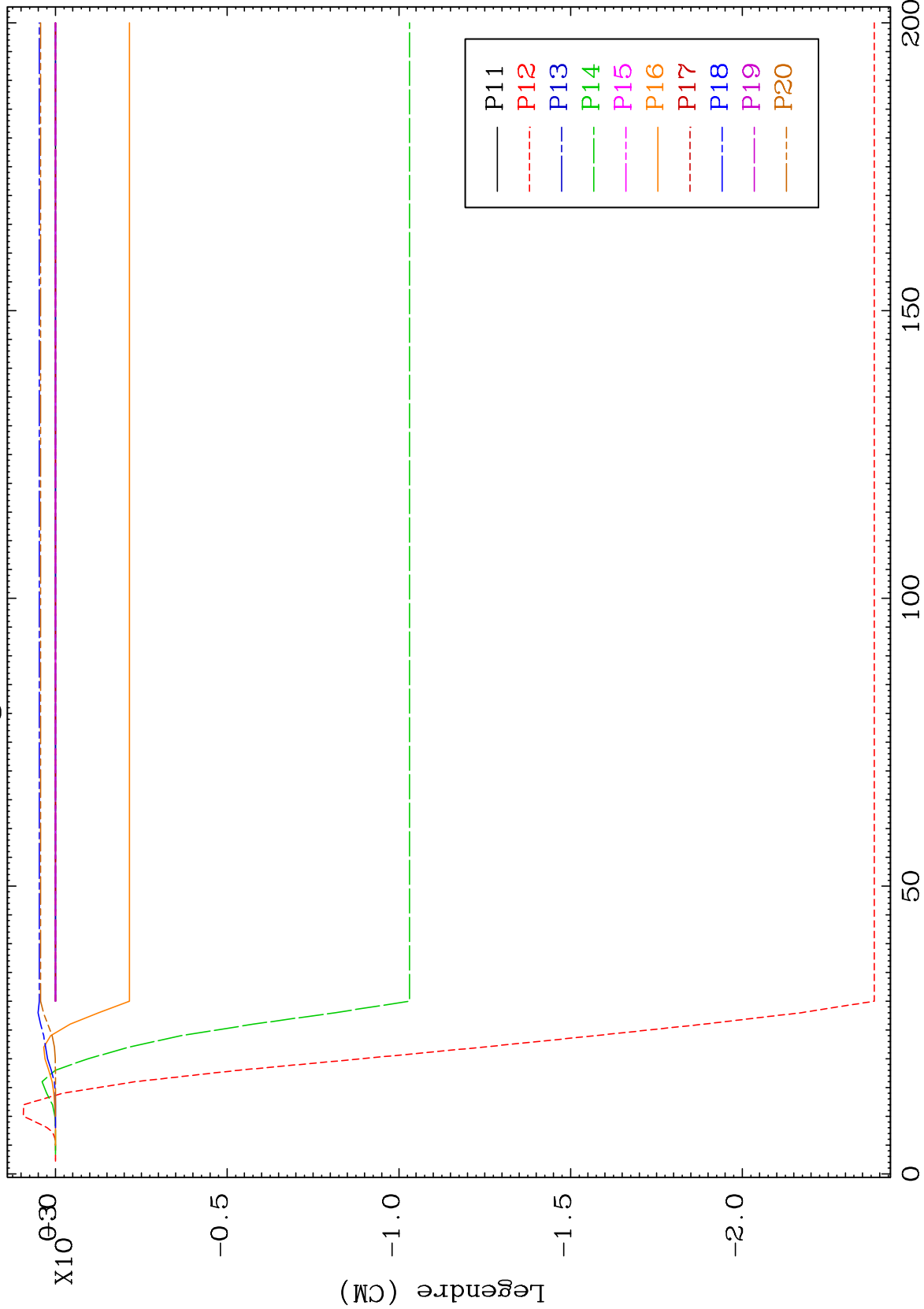
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



25

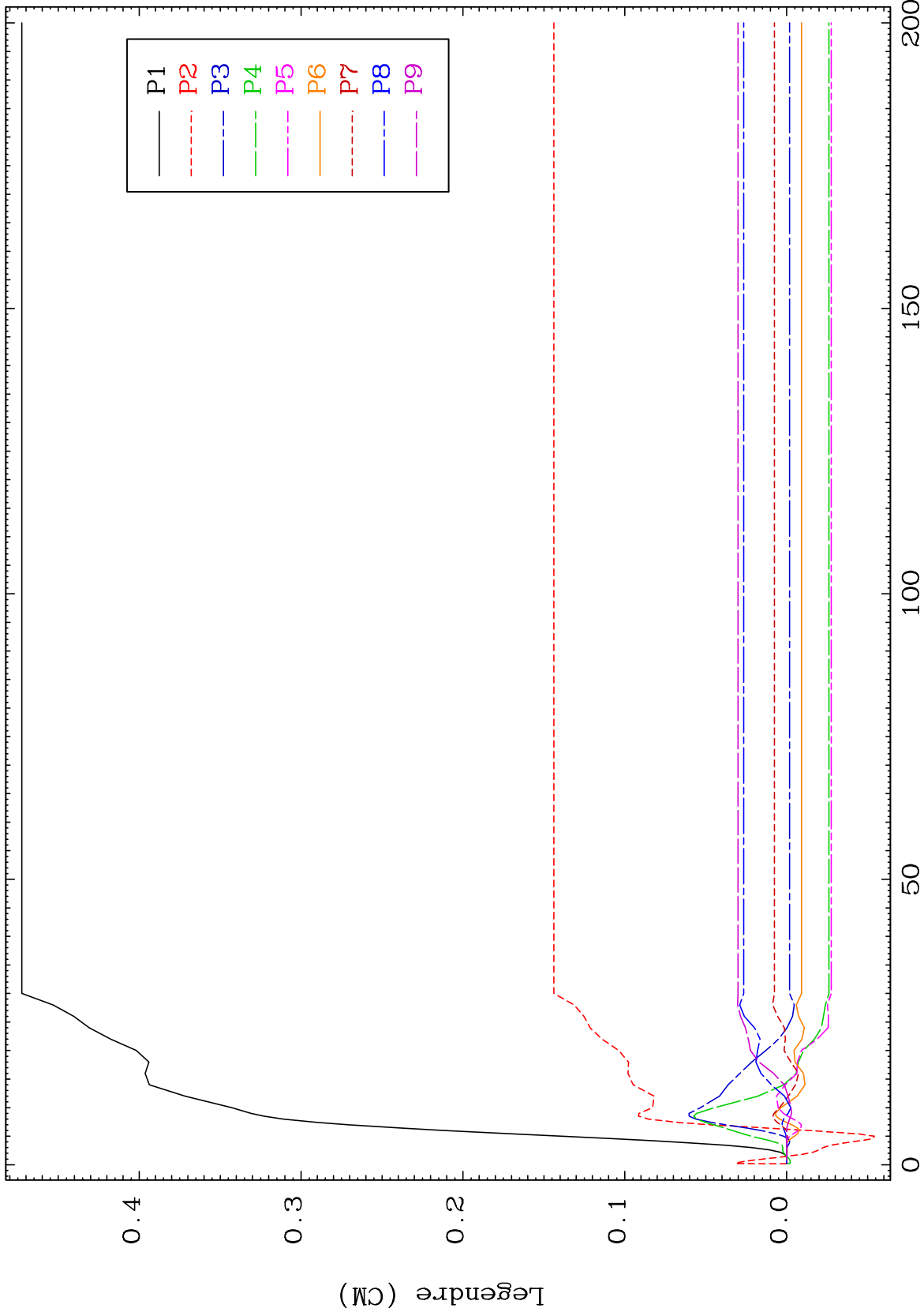
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



27

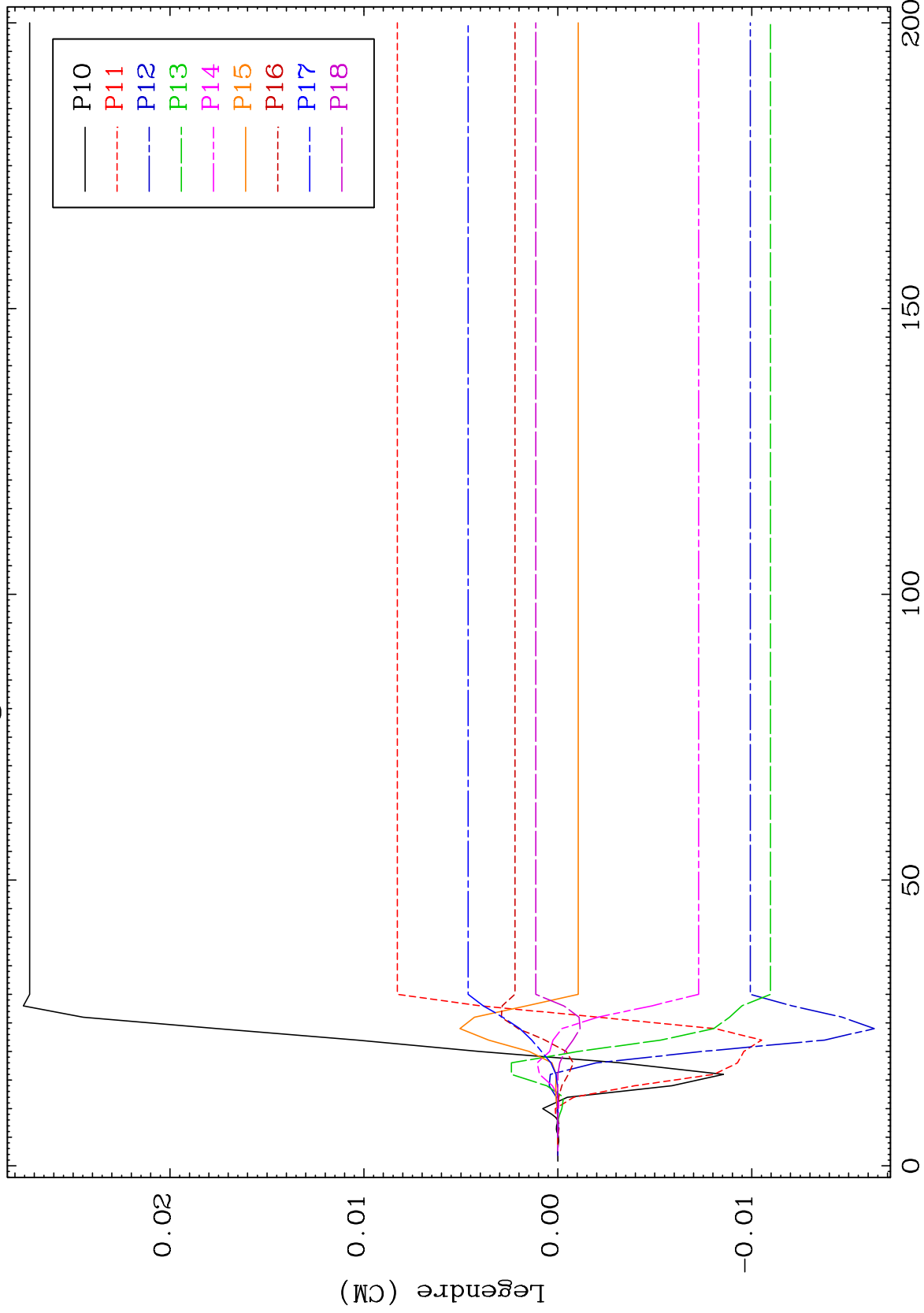
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

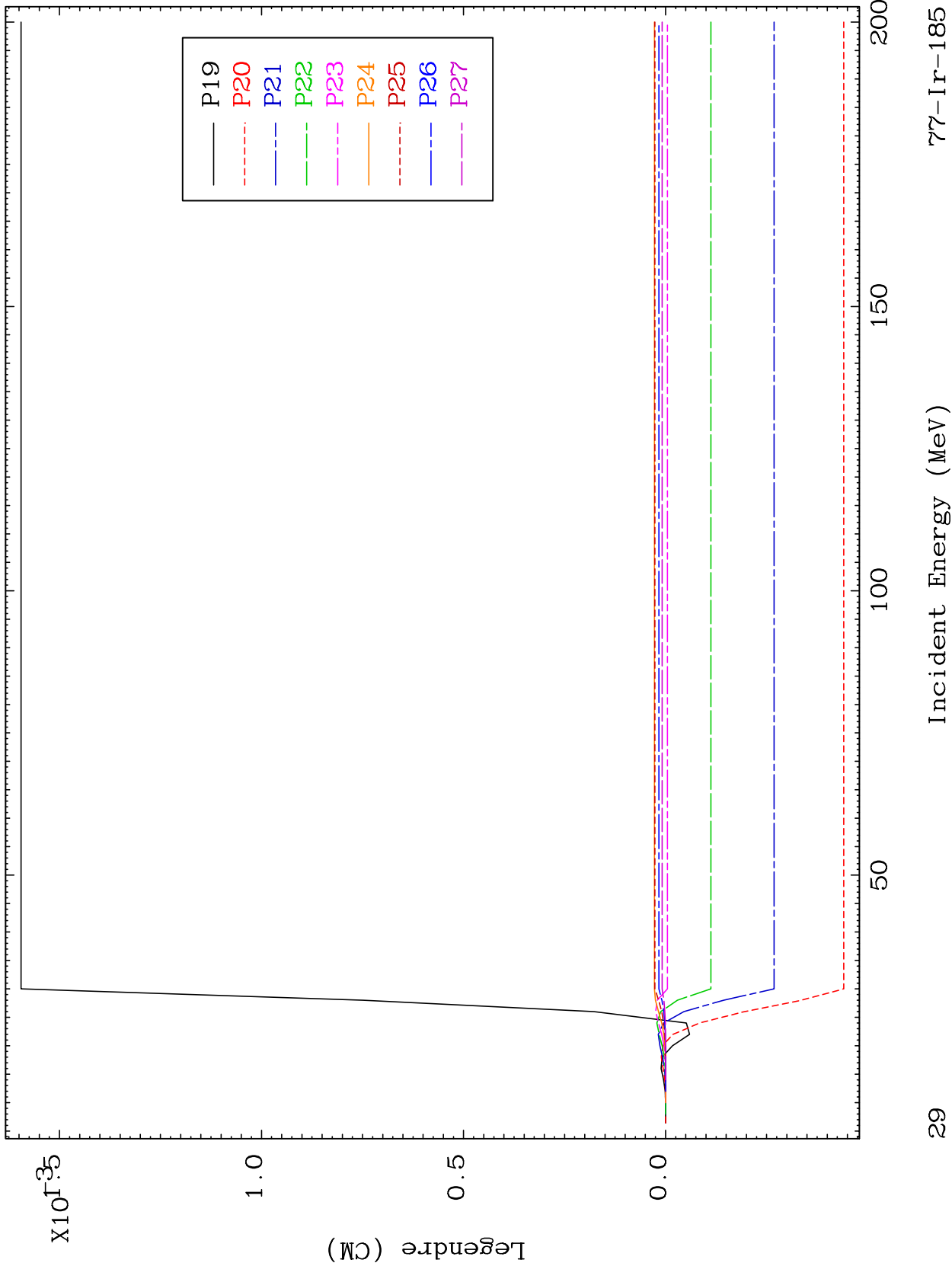
77-Ir-185



28

Incident Energy (MeV)

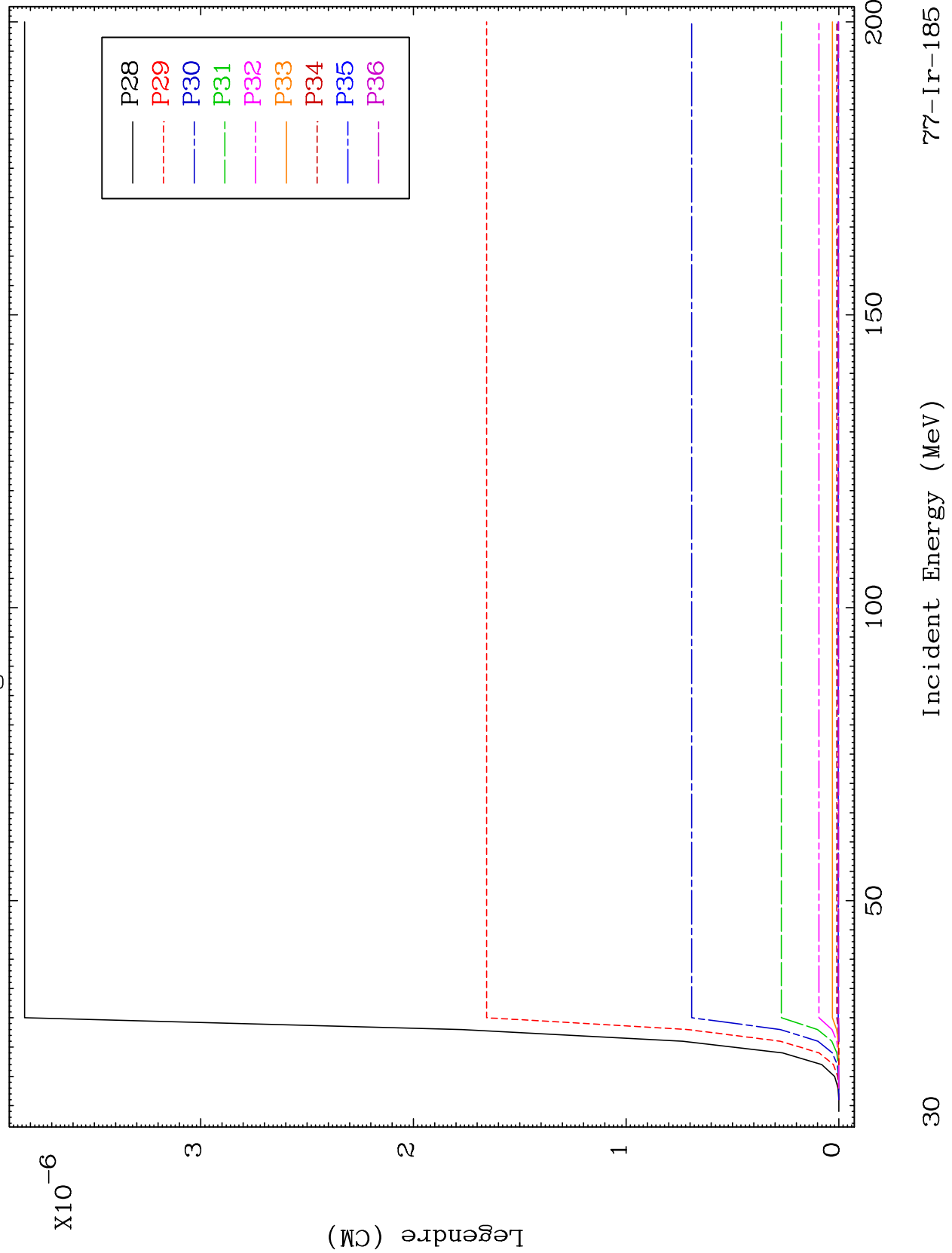
77-Ir-185



MAT 7707

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

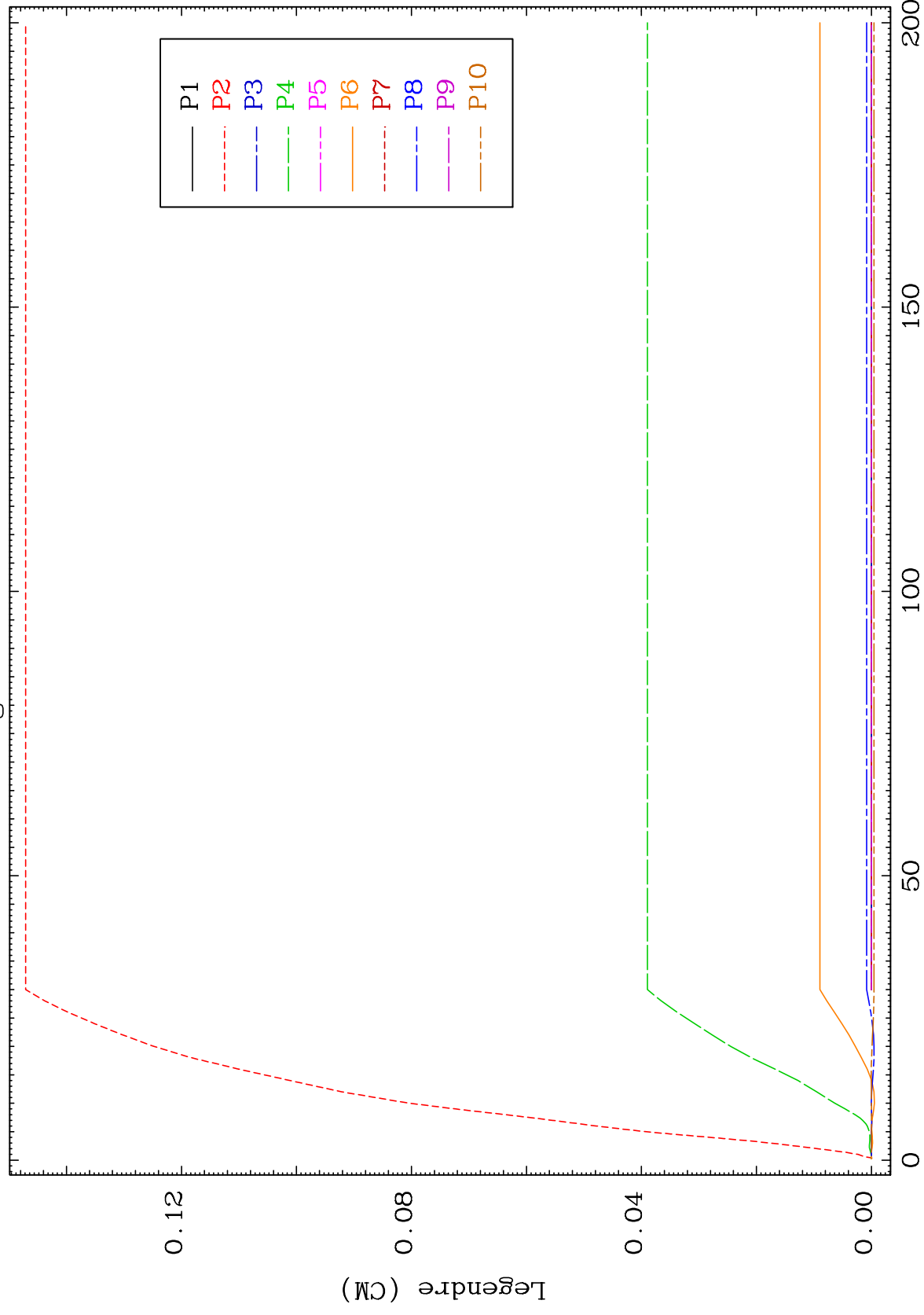
77-Ir-185



MAT 7707

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

77-Ir-185



31

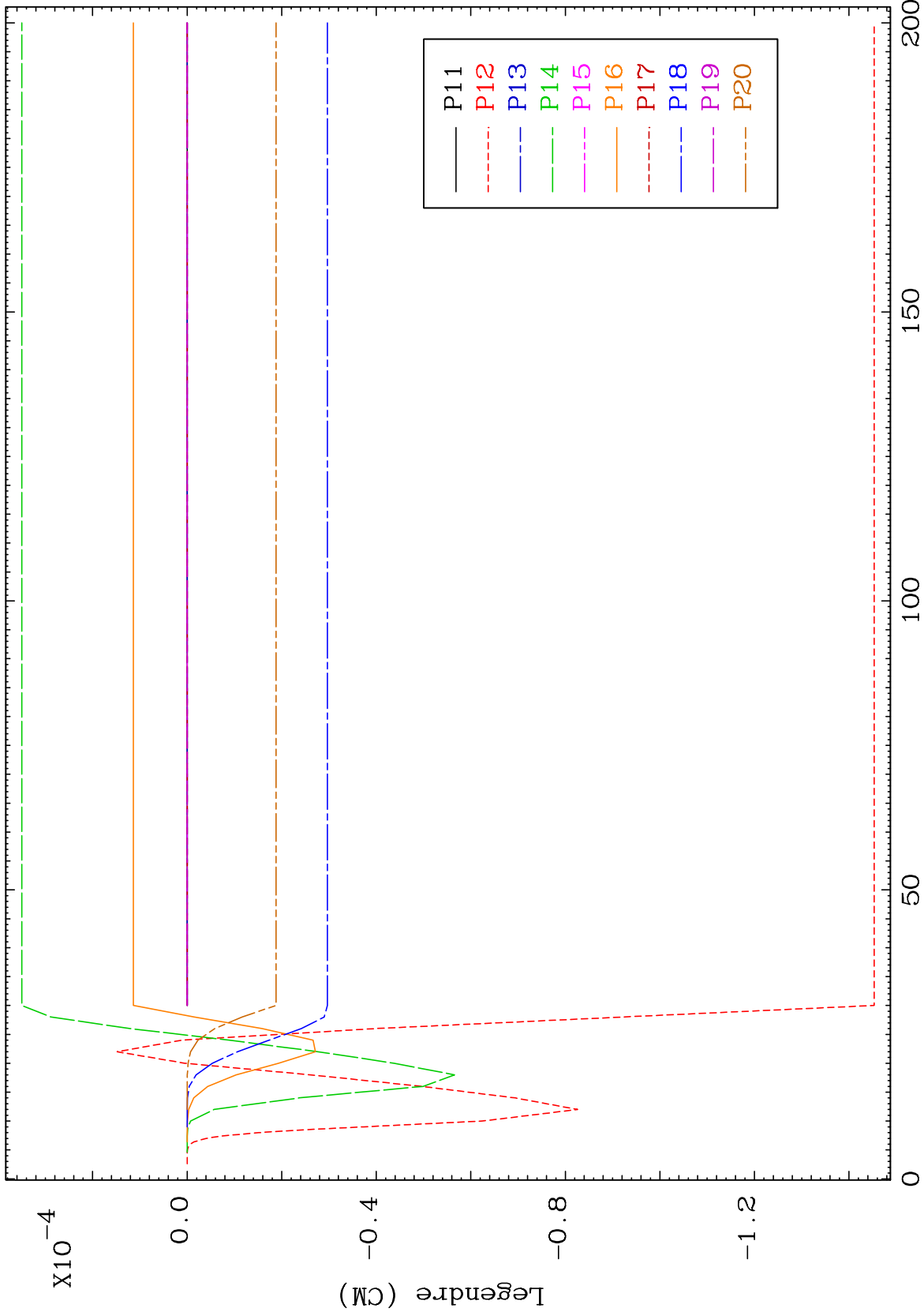
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



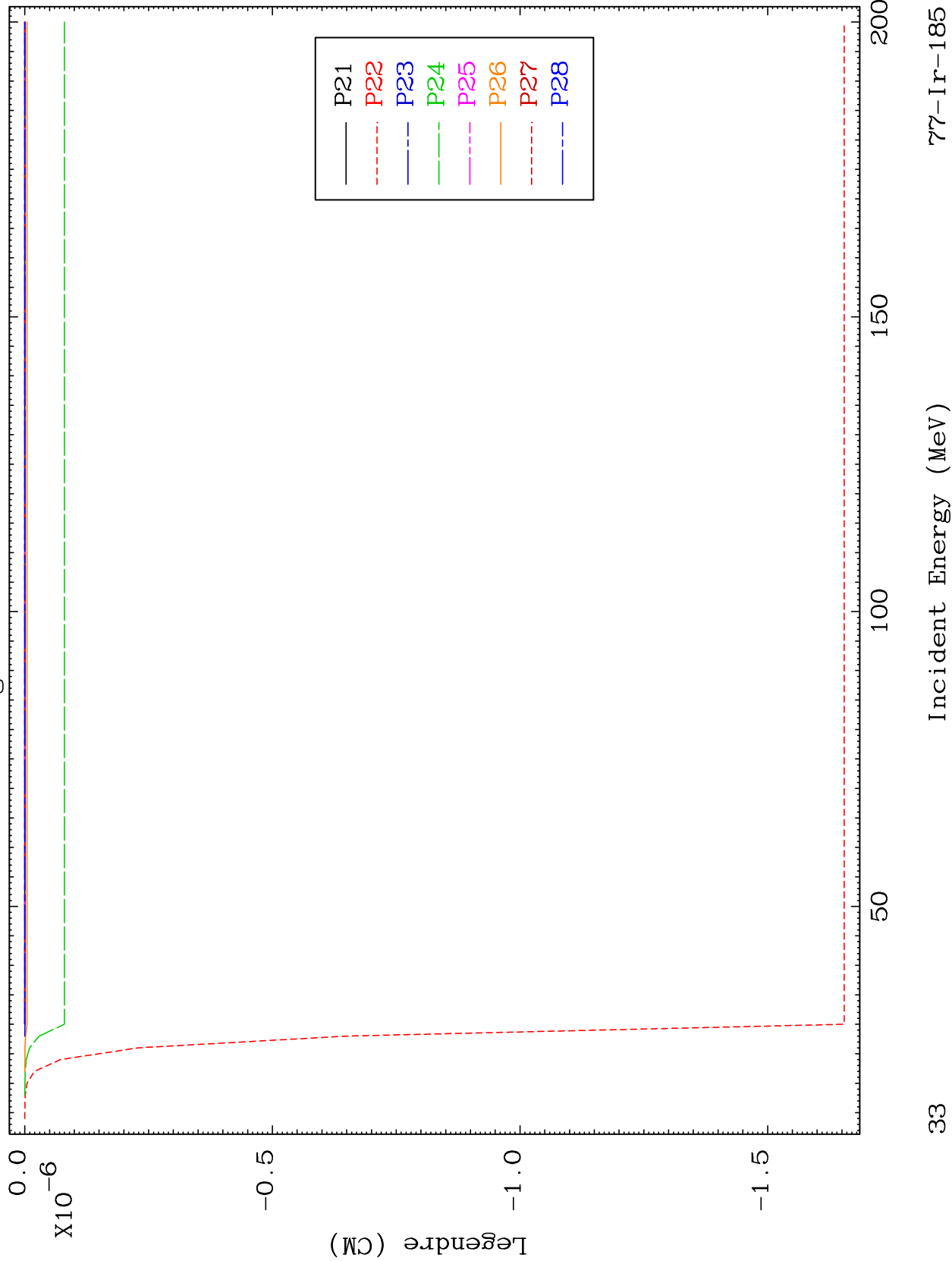
32

77-Ir-185

MAT 7707

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

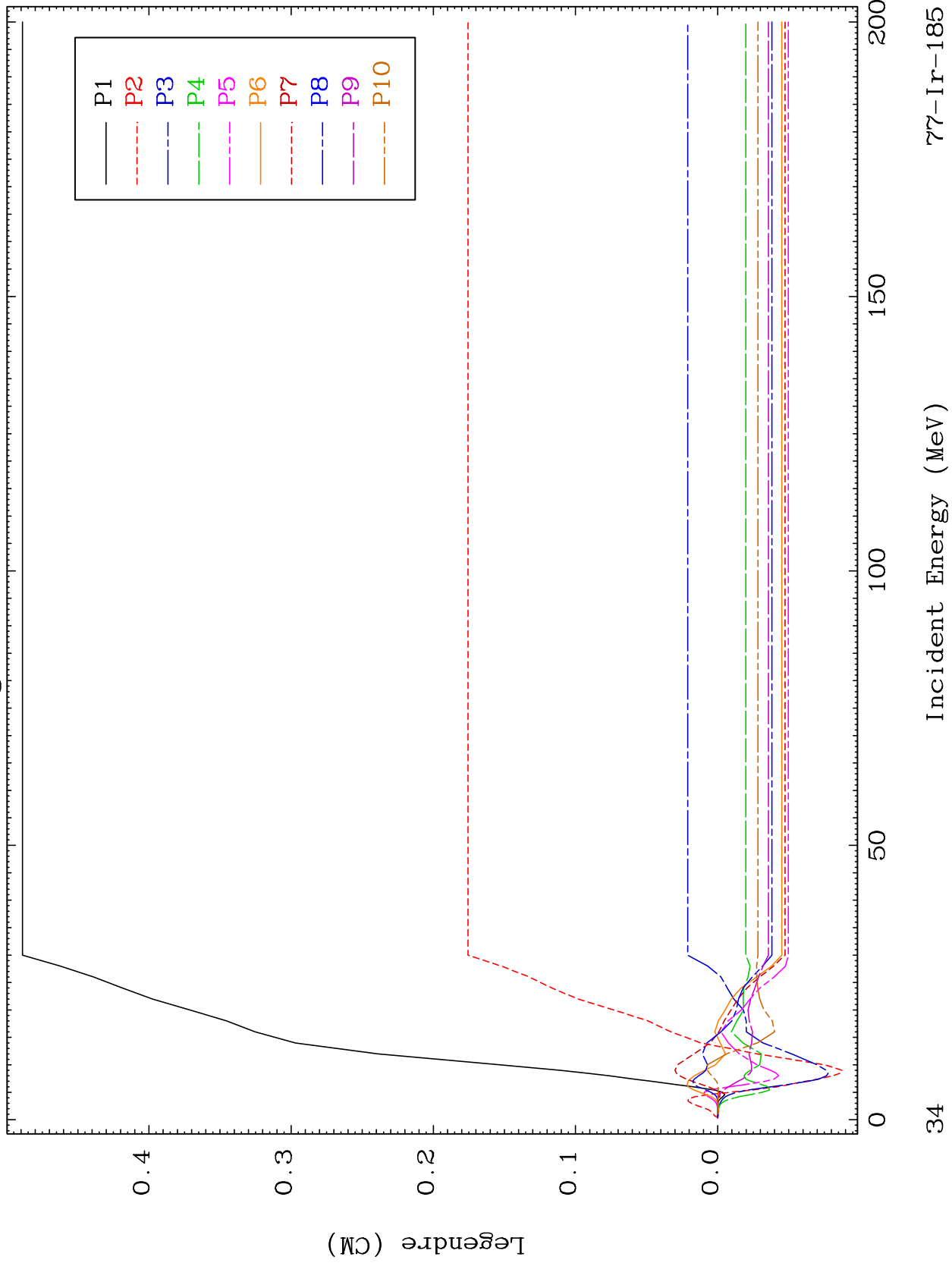
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

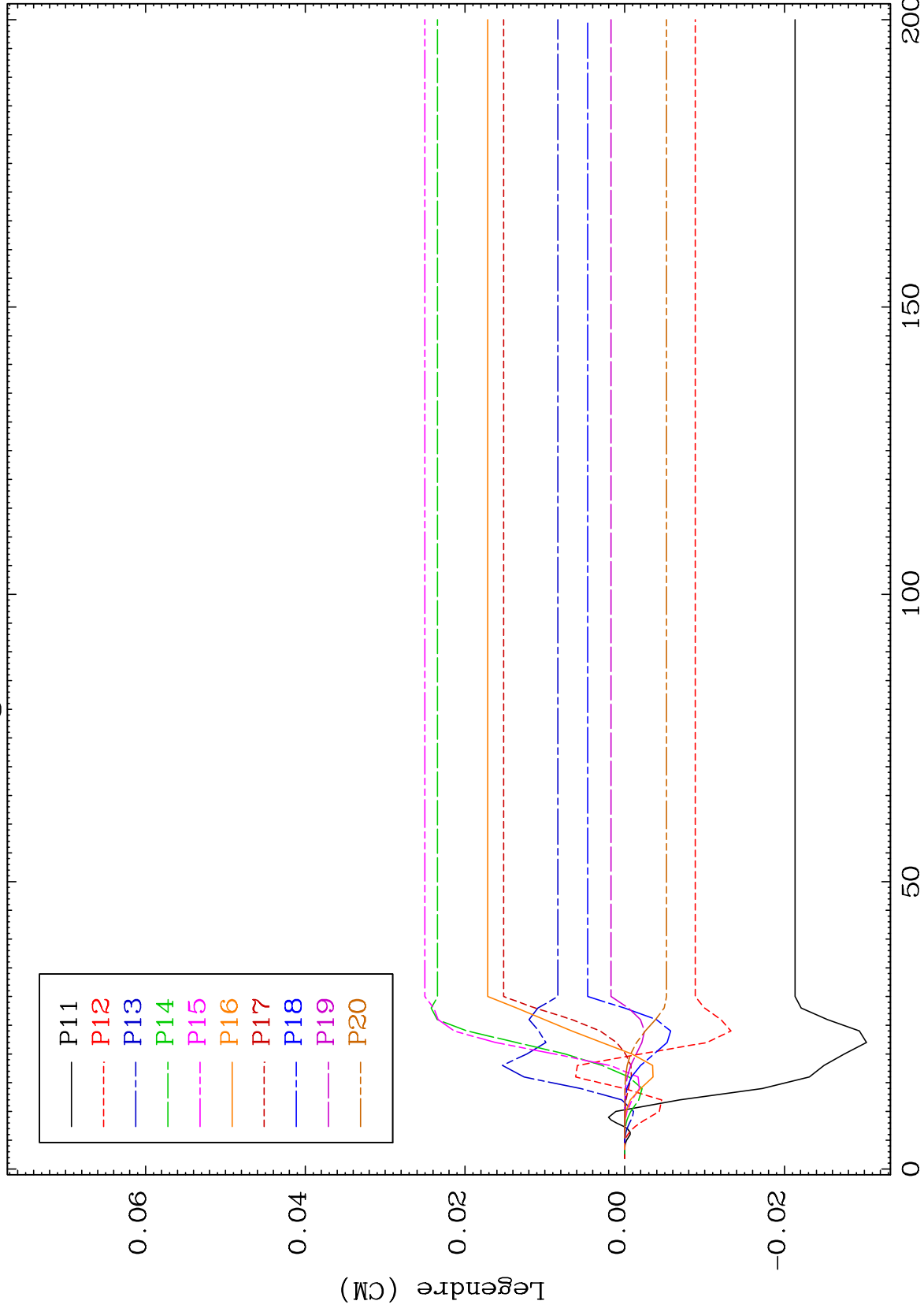
Incident Energy (MeV)

34

MAT 7707

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

77-Ir-185



35

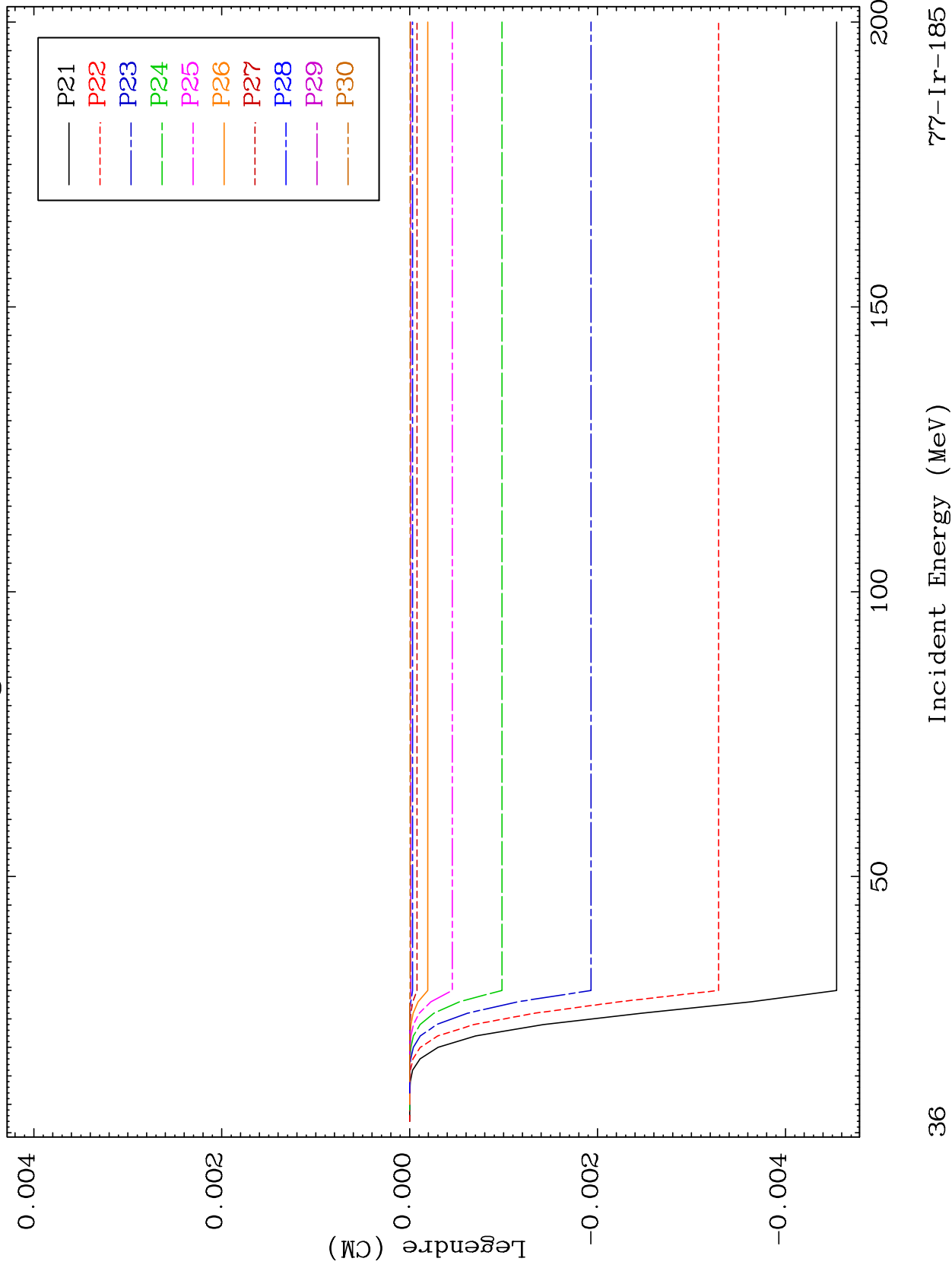
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

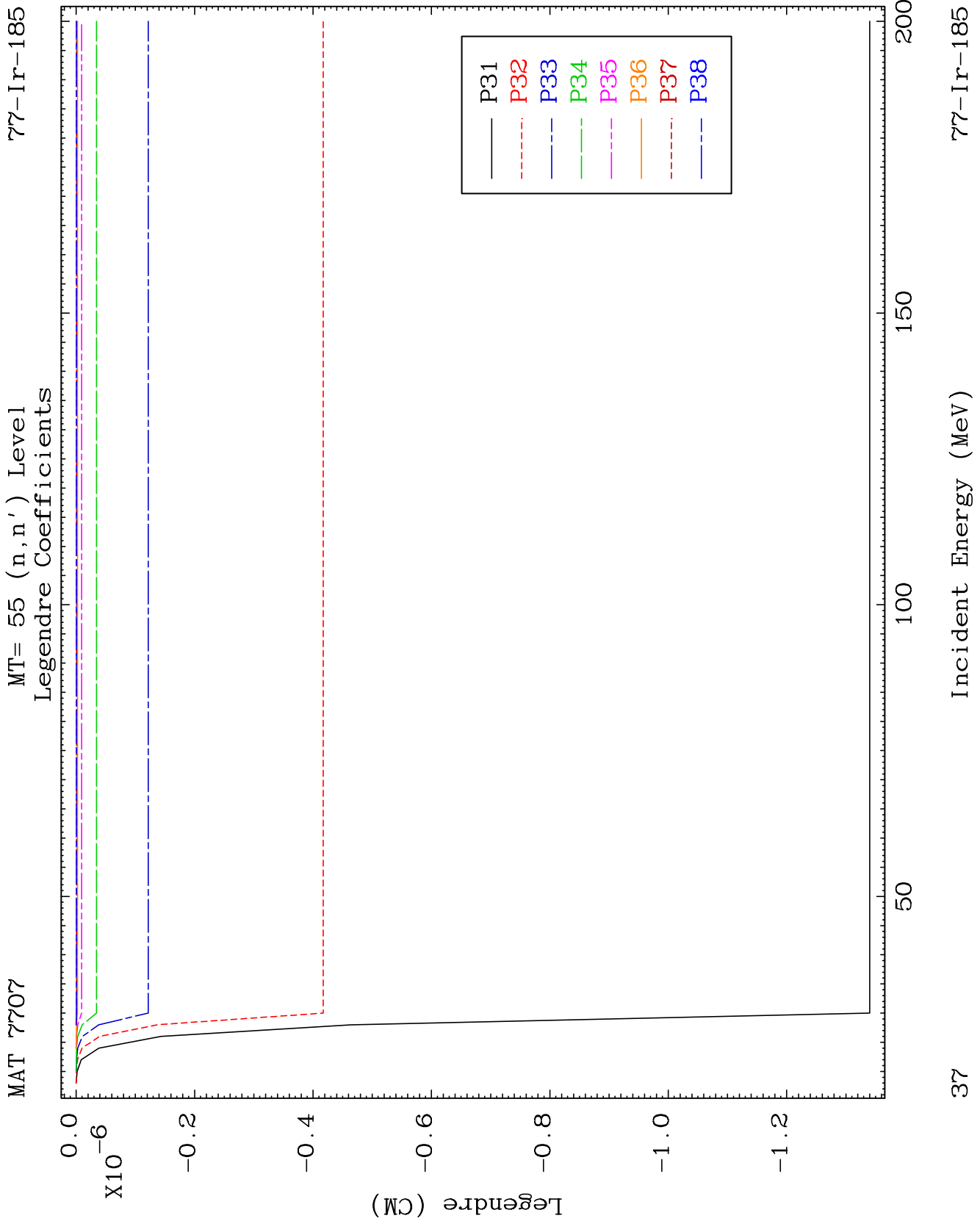
77-Ir-185



36

Incident Energy (MeV)

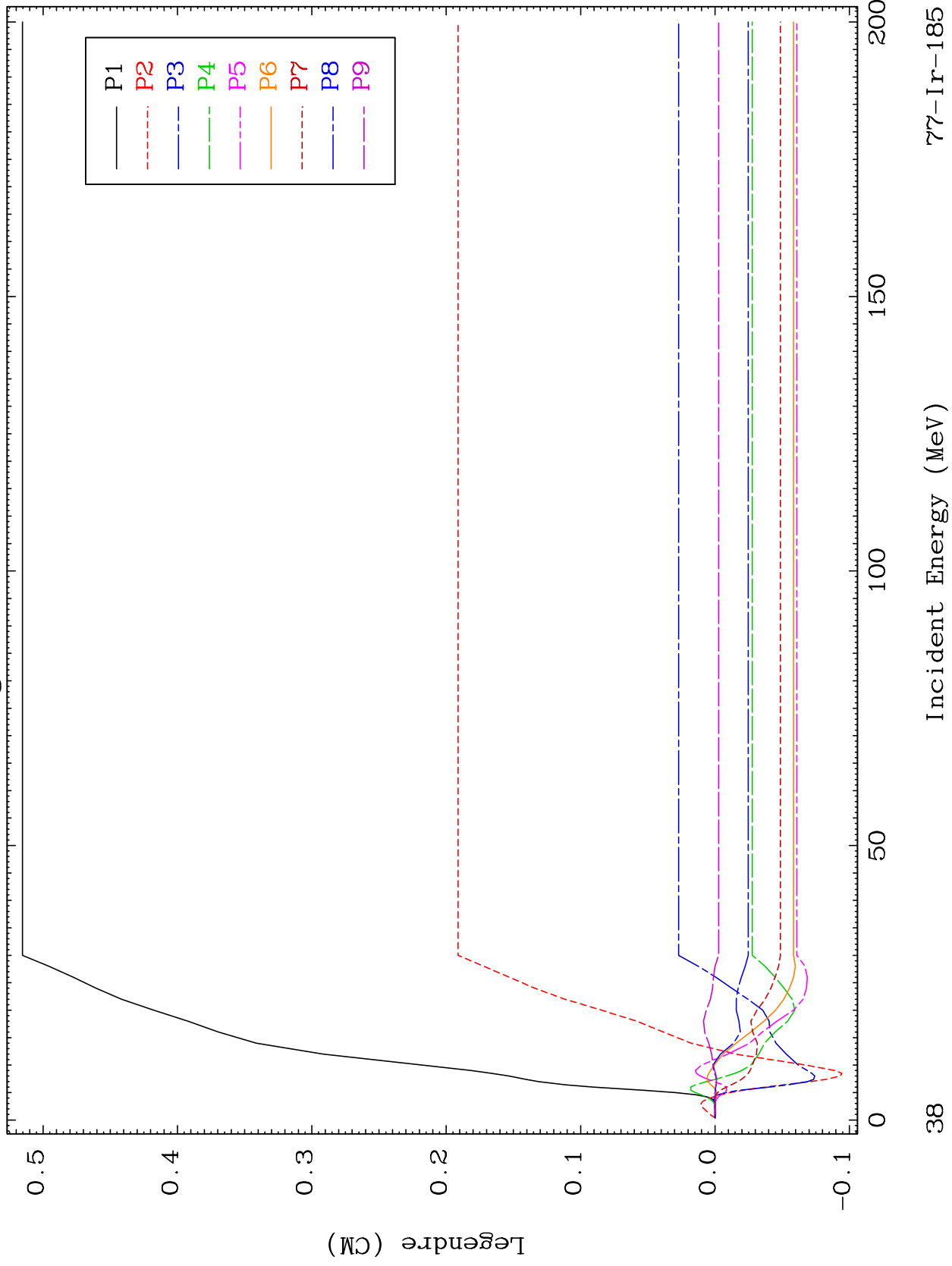
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

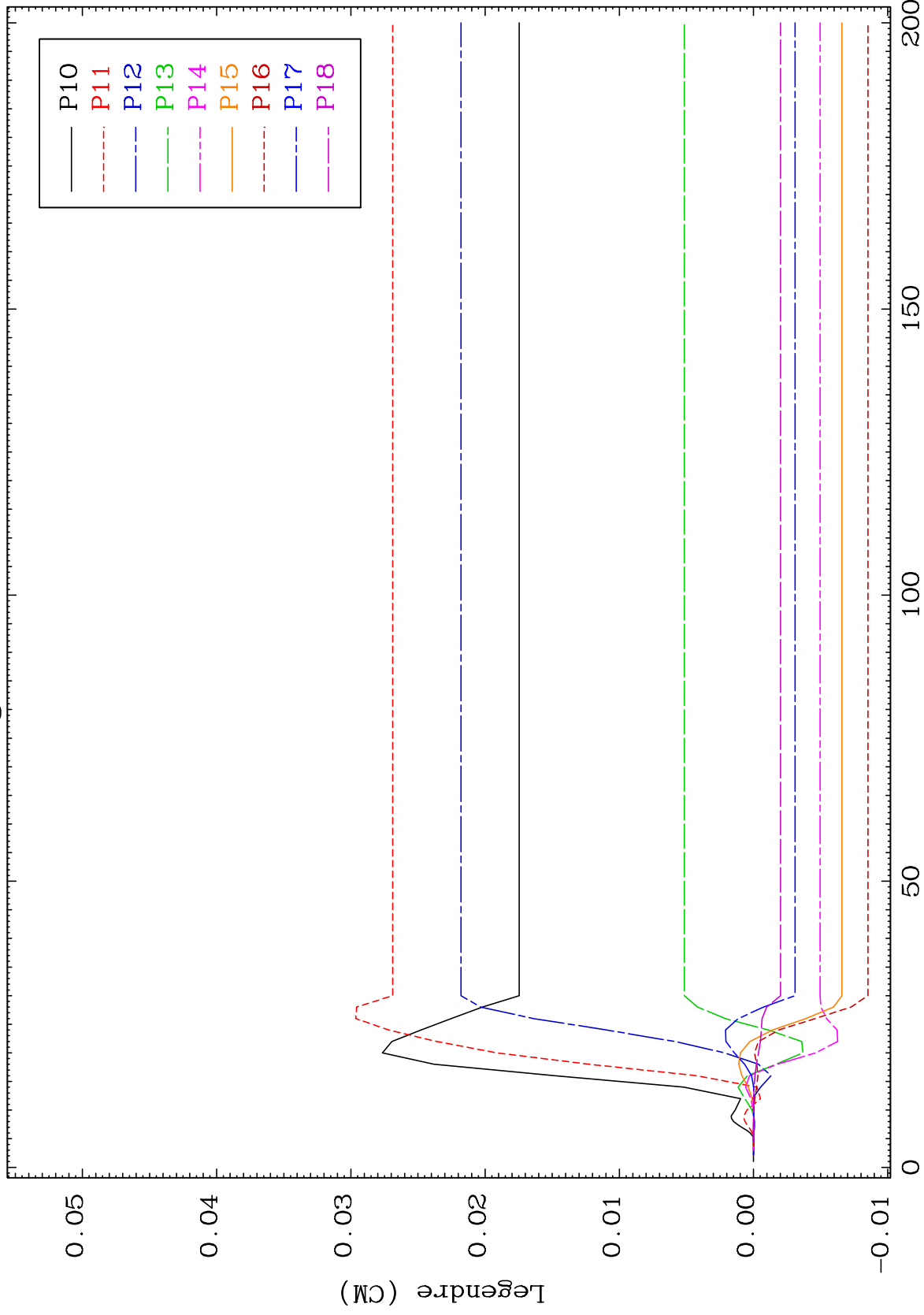
Incident Energy (MeV)

38

MAT 7707

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

77-Ir-185



39

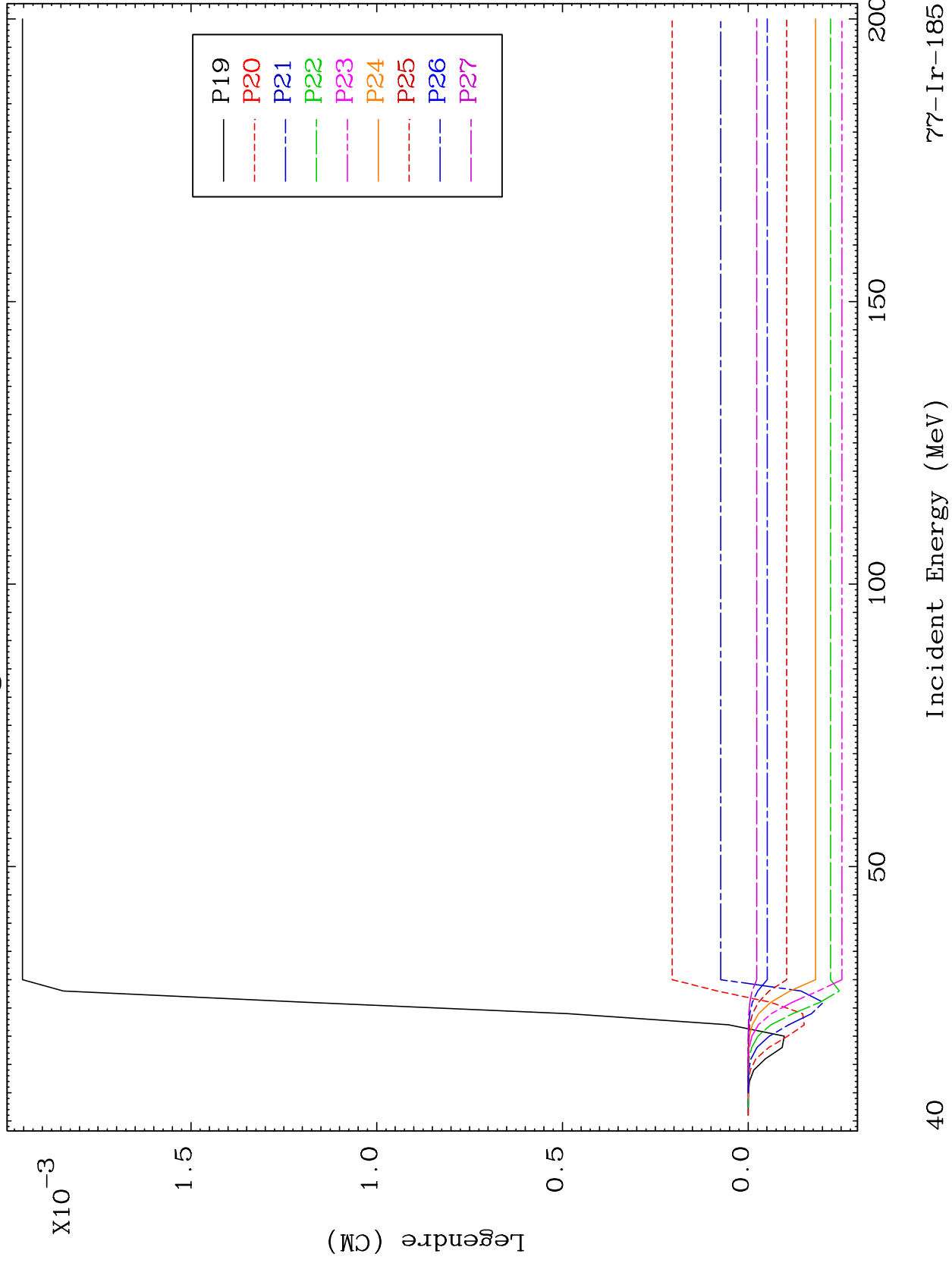
Incident Energy (MeV)

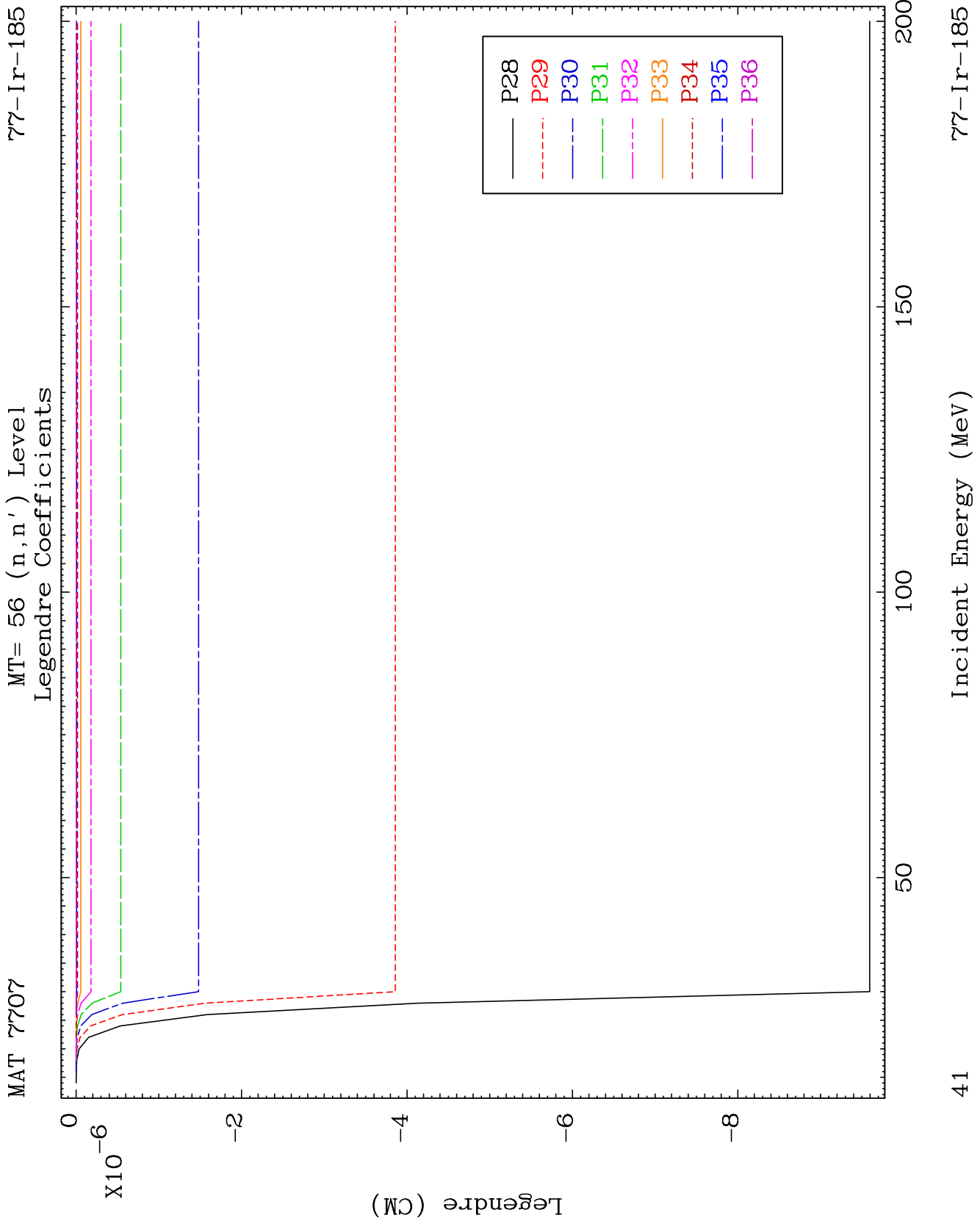
77-Ir-185

MAT 7707

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

77-Ir-185

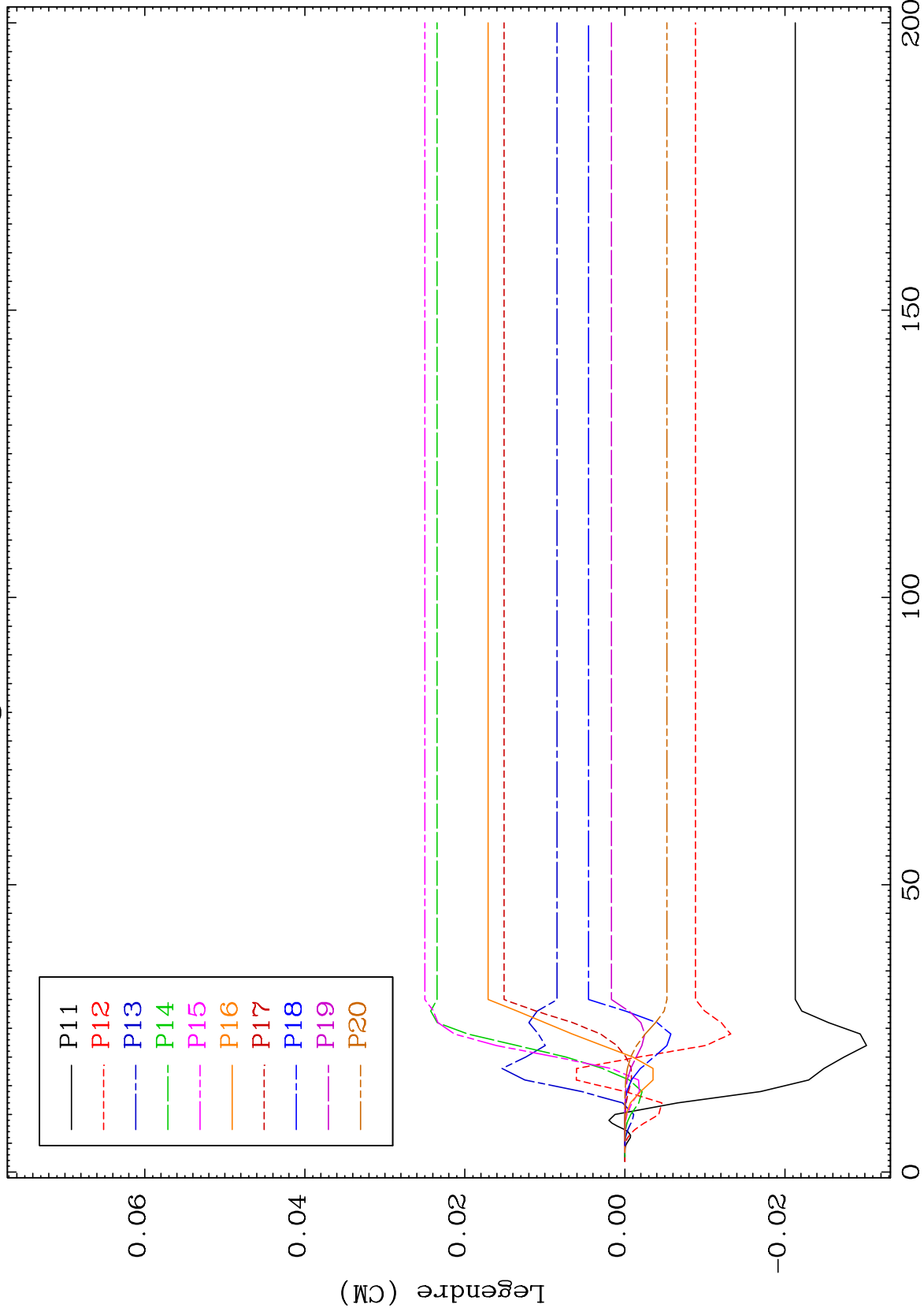




MAT 7707

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

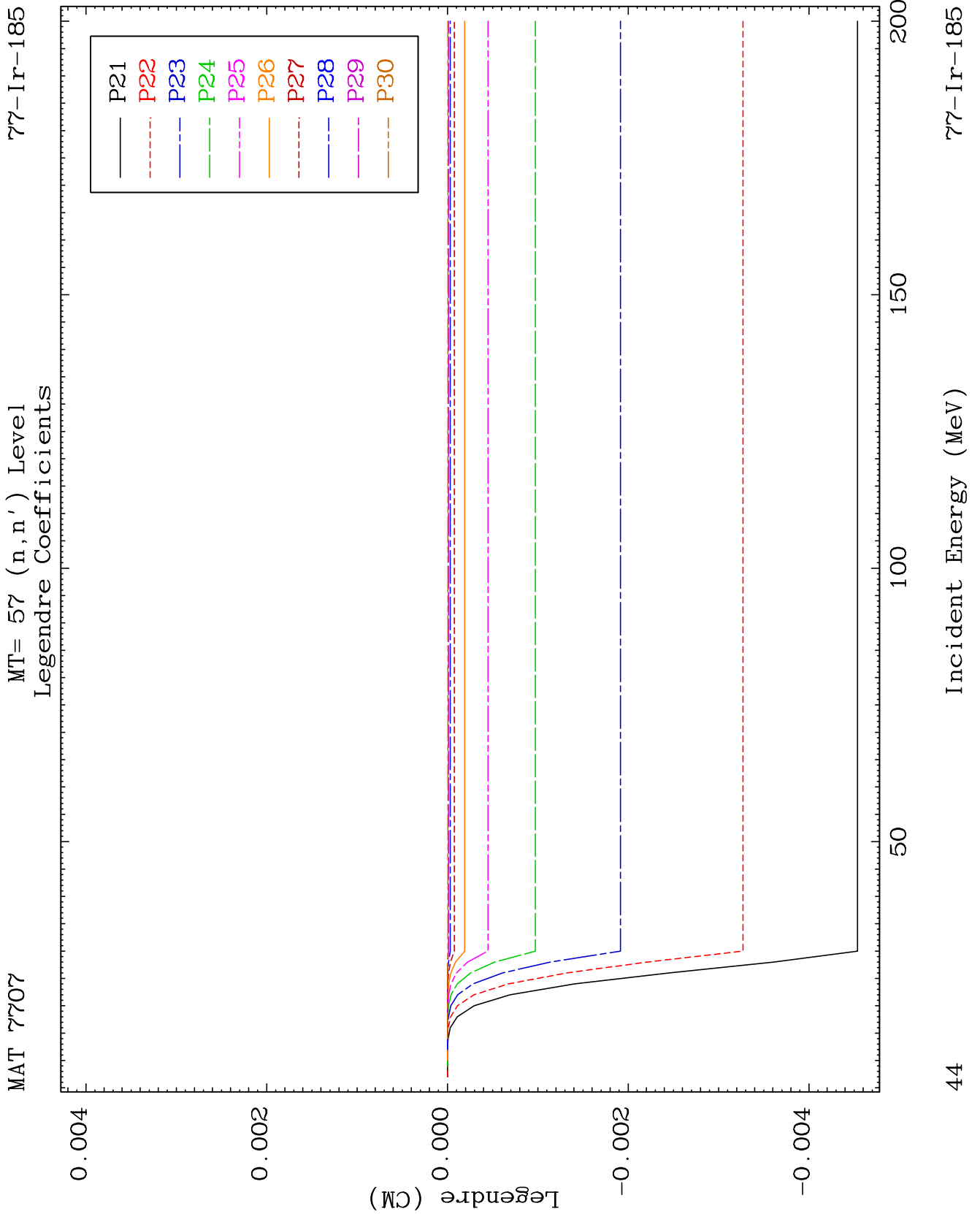
77-Ir-185

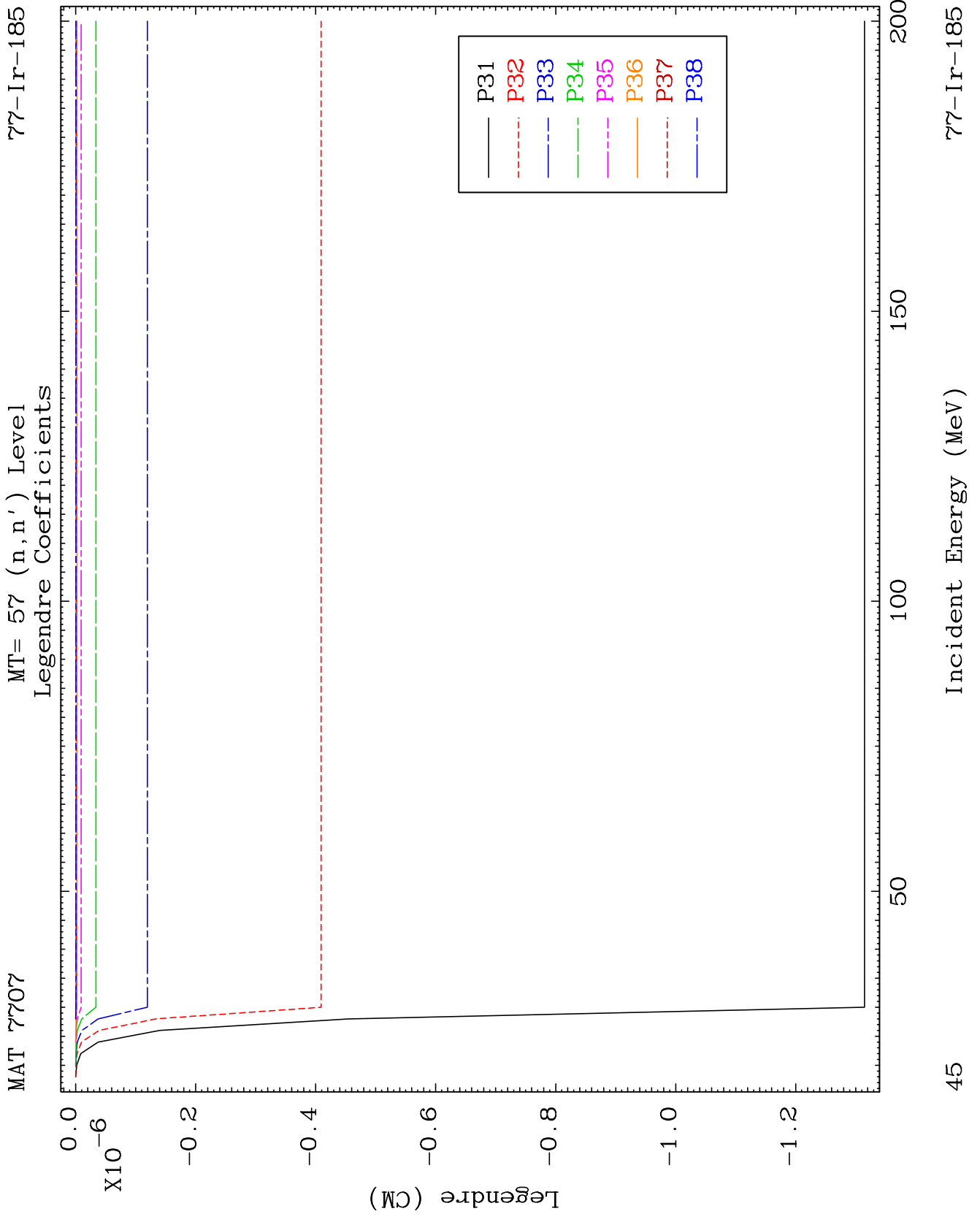


43

Incident Energy (MeV)

77-Ir-185

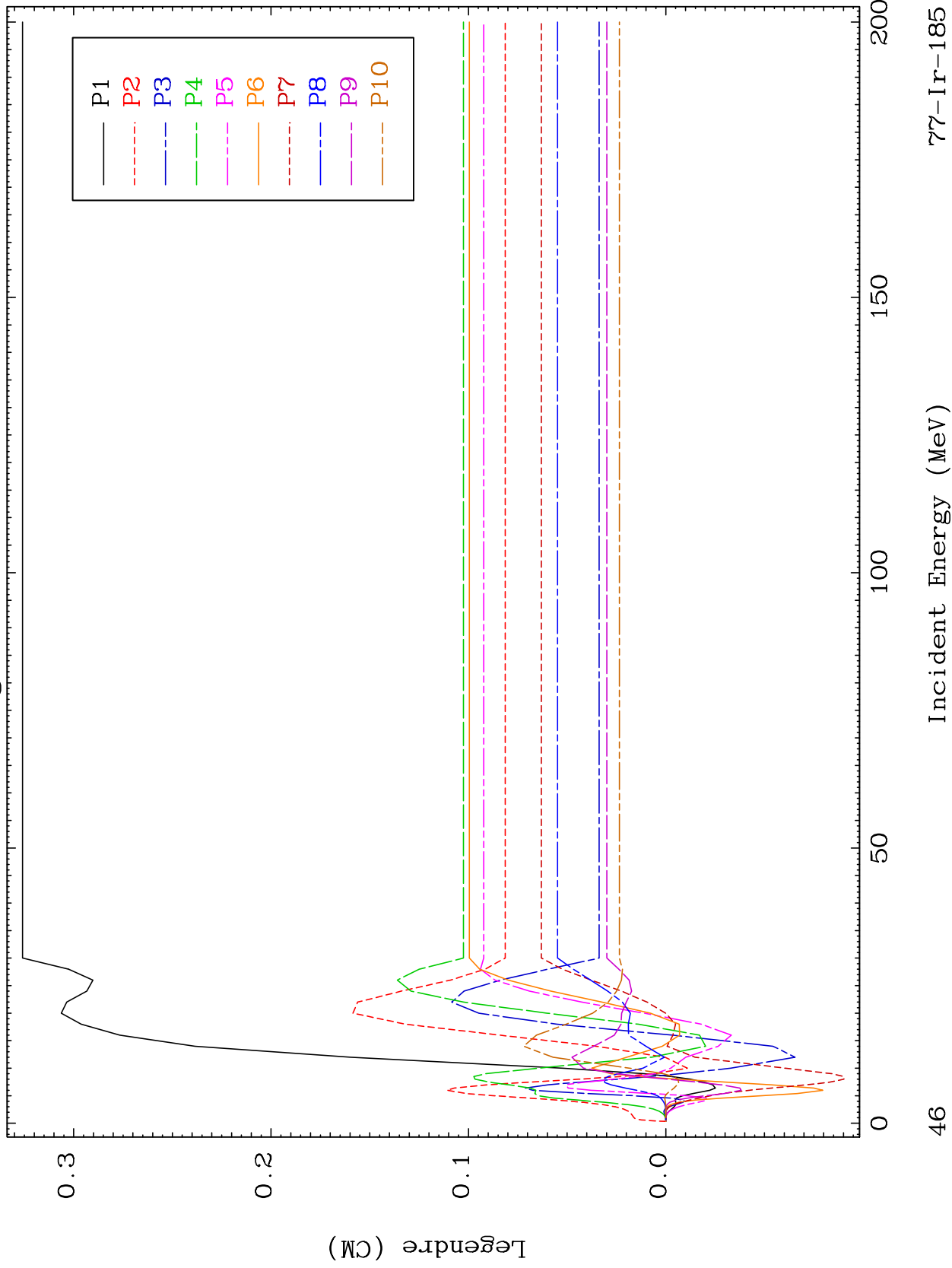




MAT 7707

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

77-Ir-185



77-Ir-185

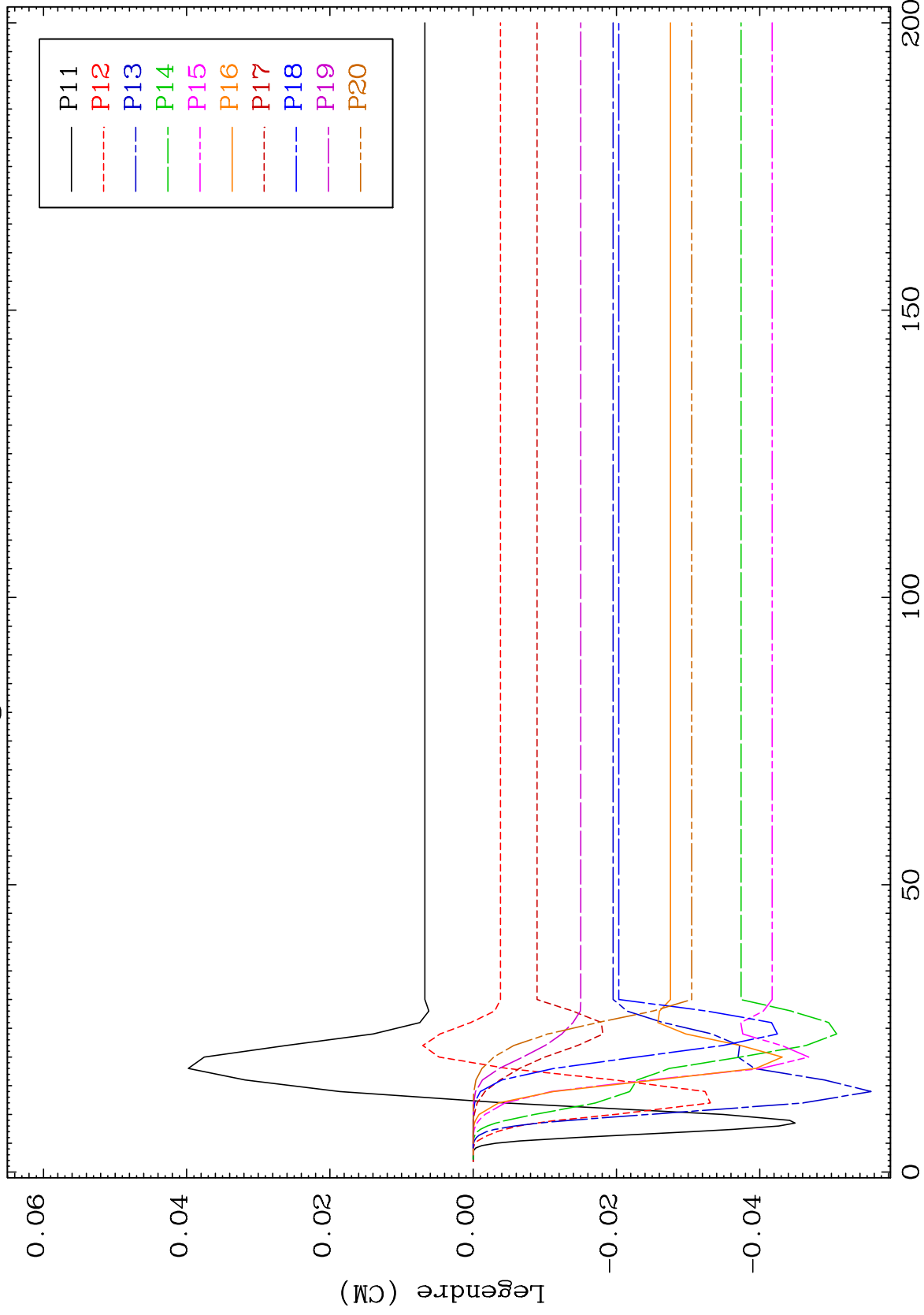
Incident Energy (MeV)

46

MAT 7707

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

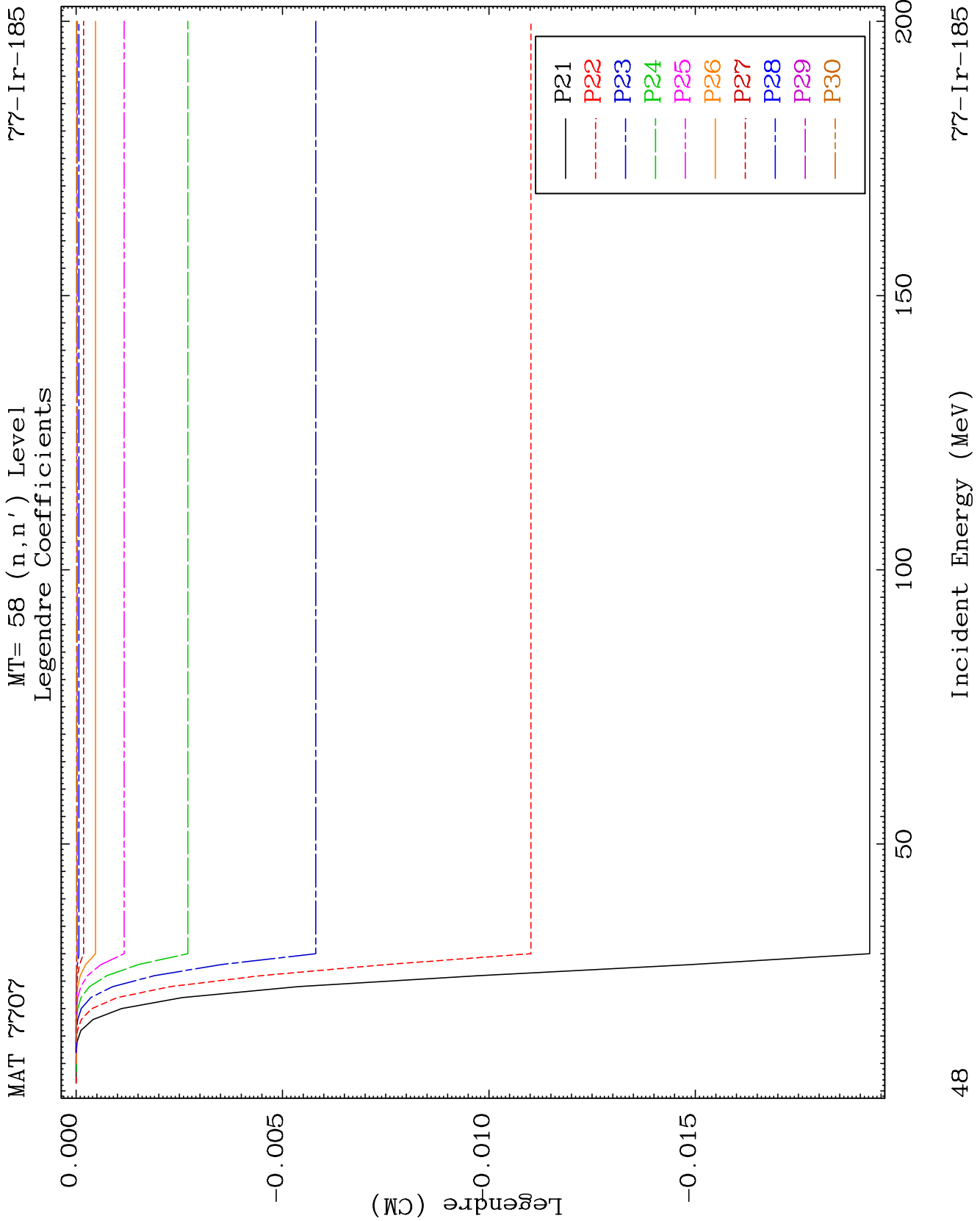
77-Ir-185



47

Incident Energy (MeV)

77-Ir-185

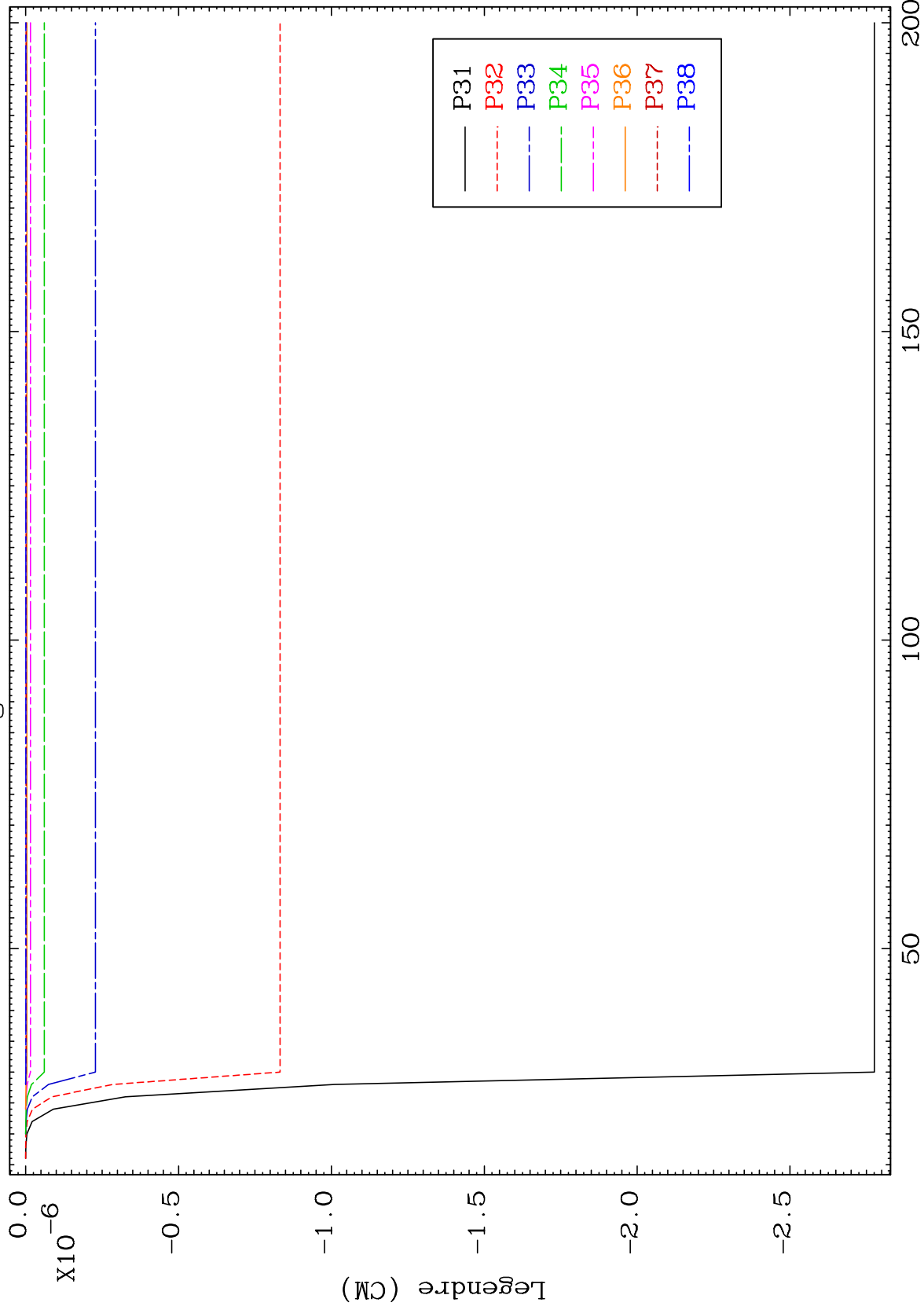


MAT 7707

MT= 58 (n,n') Level

77-Ir-185

Legendre Coefficients



49

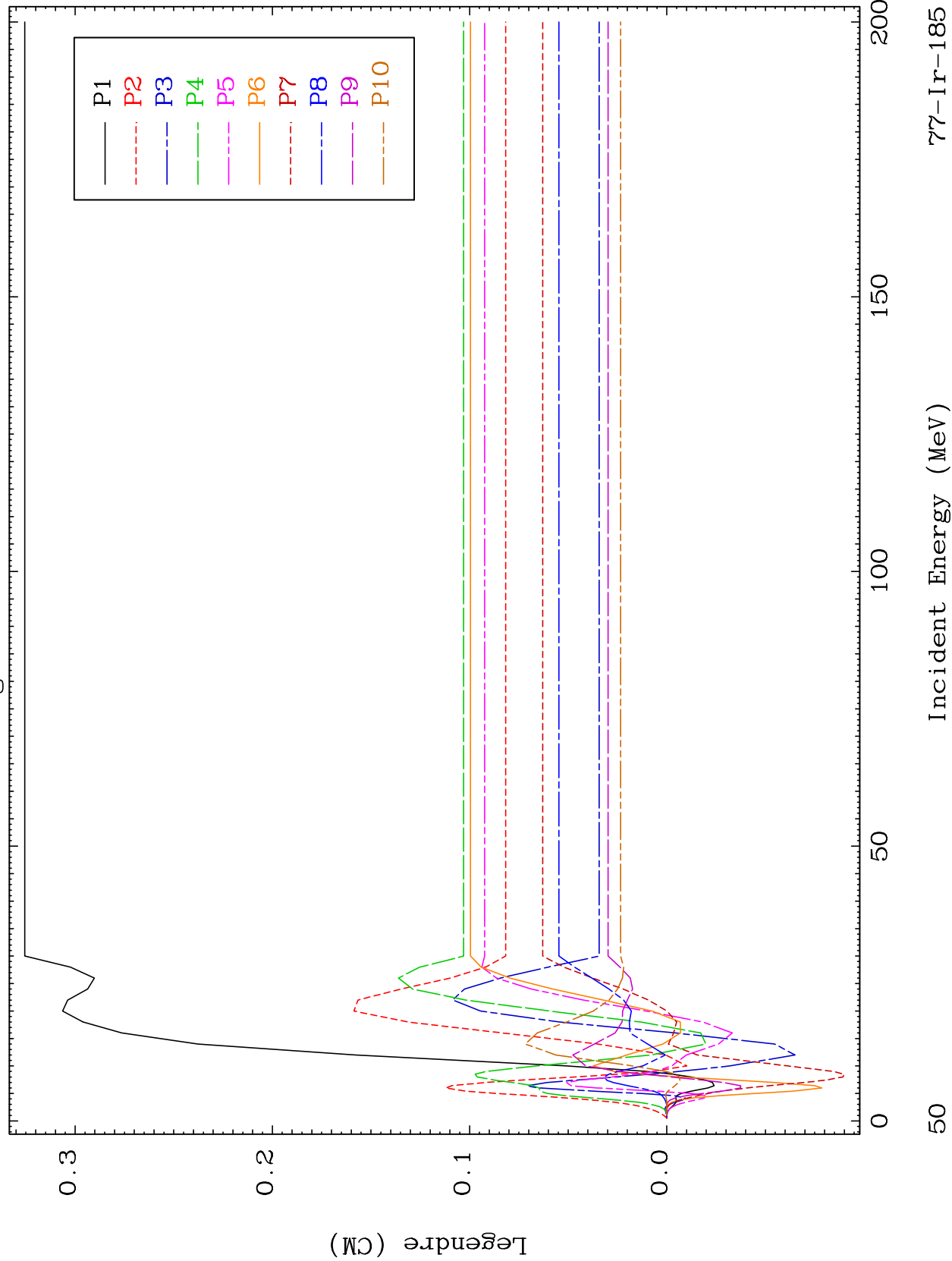
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

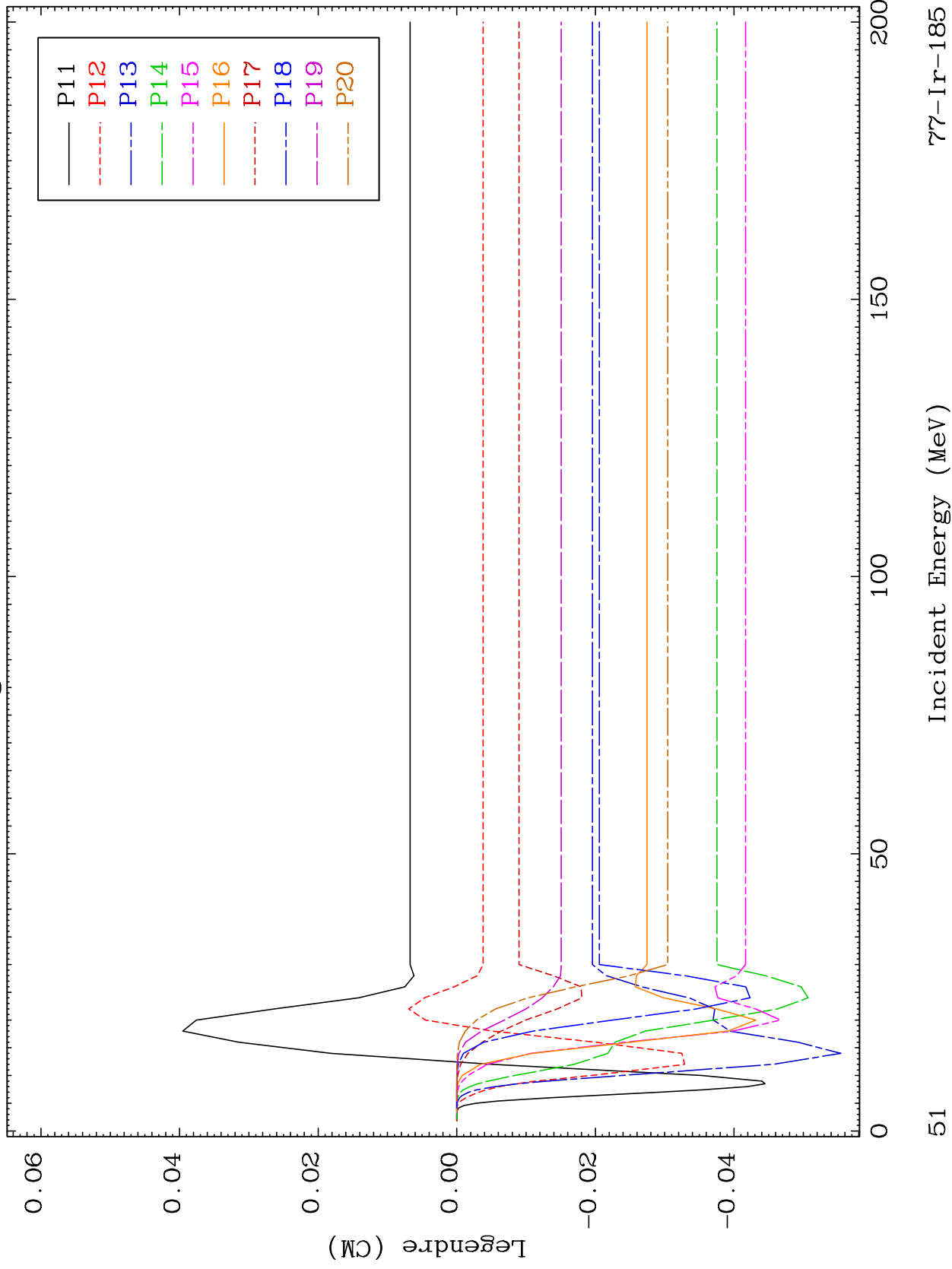
77-Ir-185



MAT 7707

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

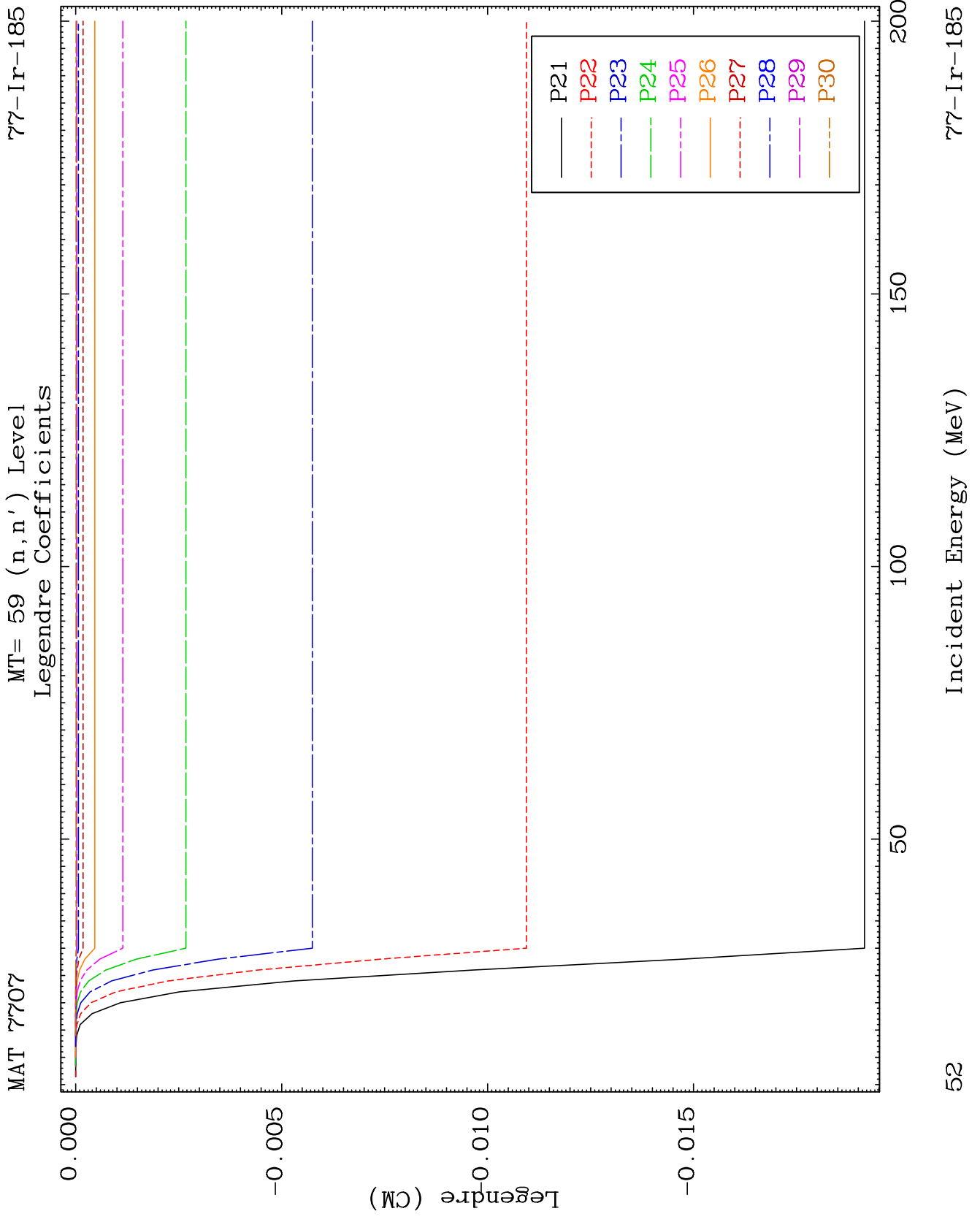
77-Ir-185



77-Ir-185

Incident Energy (MeV)

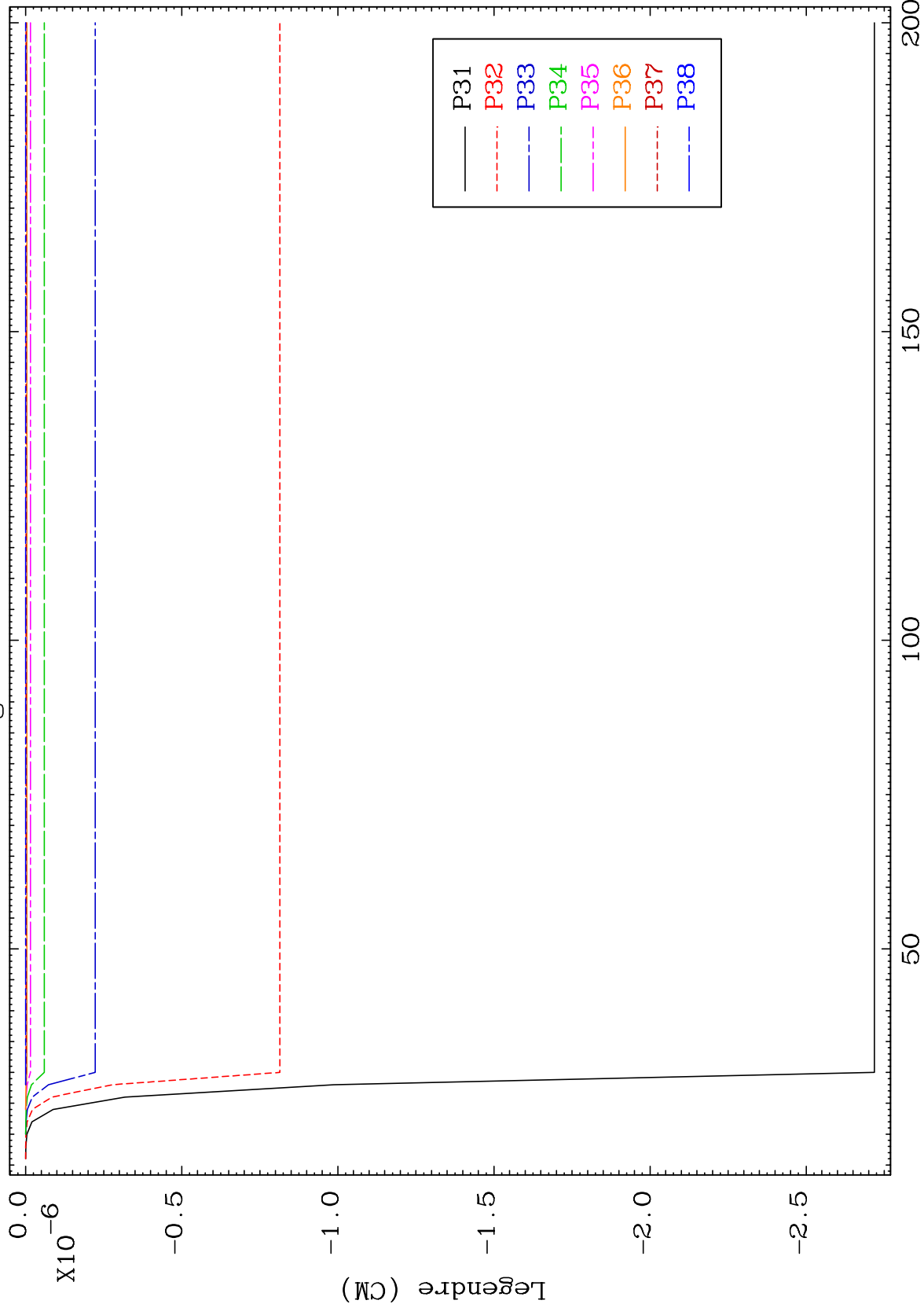
51



MAT 7707

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

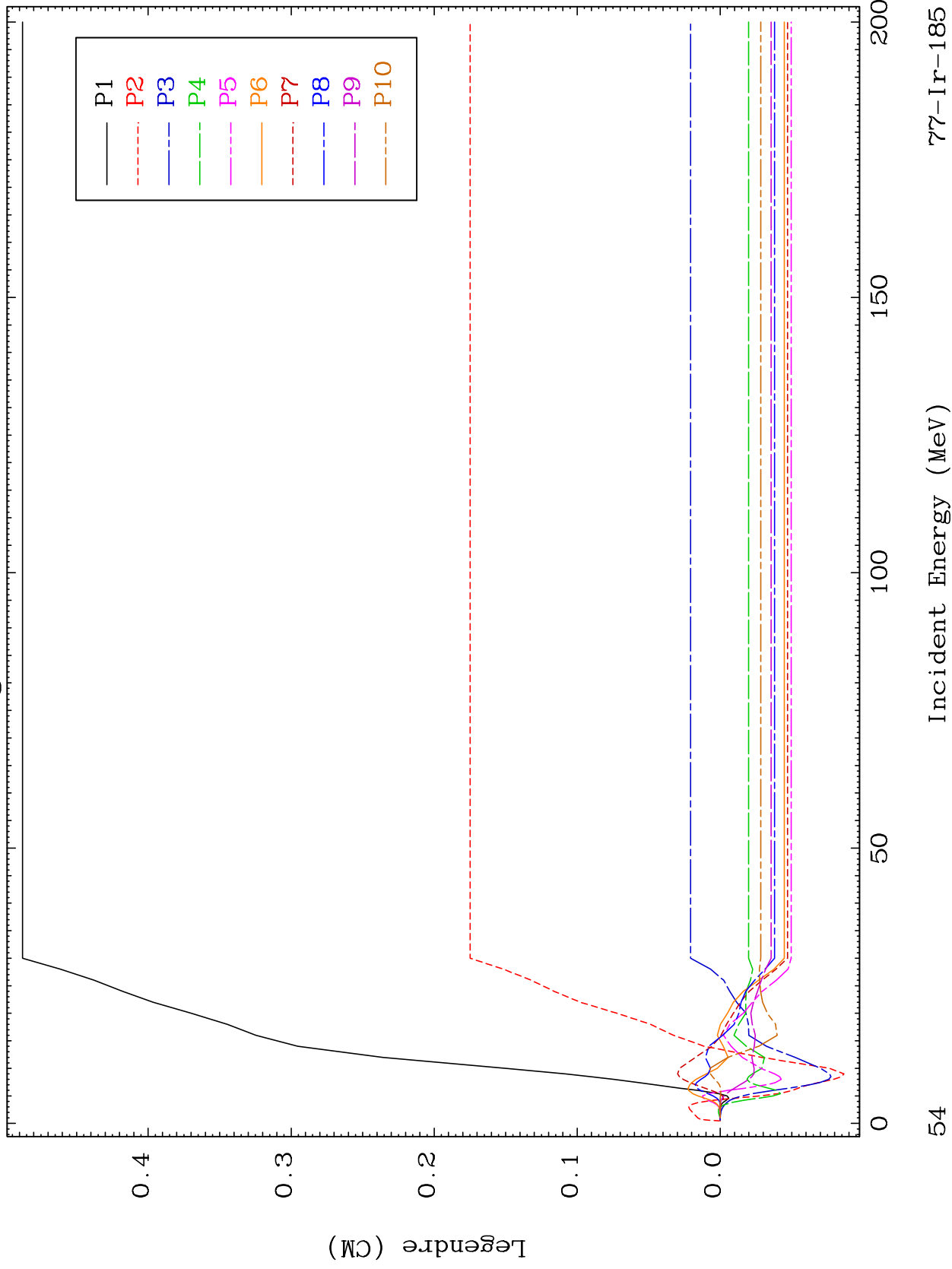
77-Ir-185



MAT 7707

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

77-Ir-185



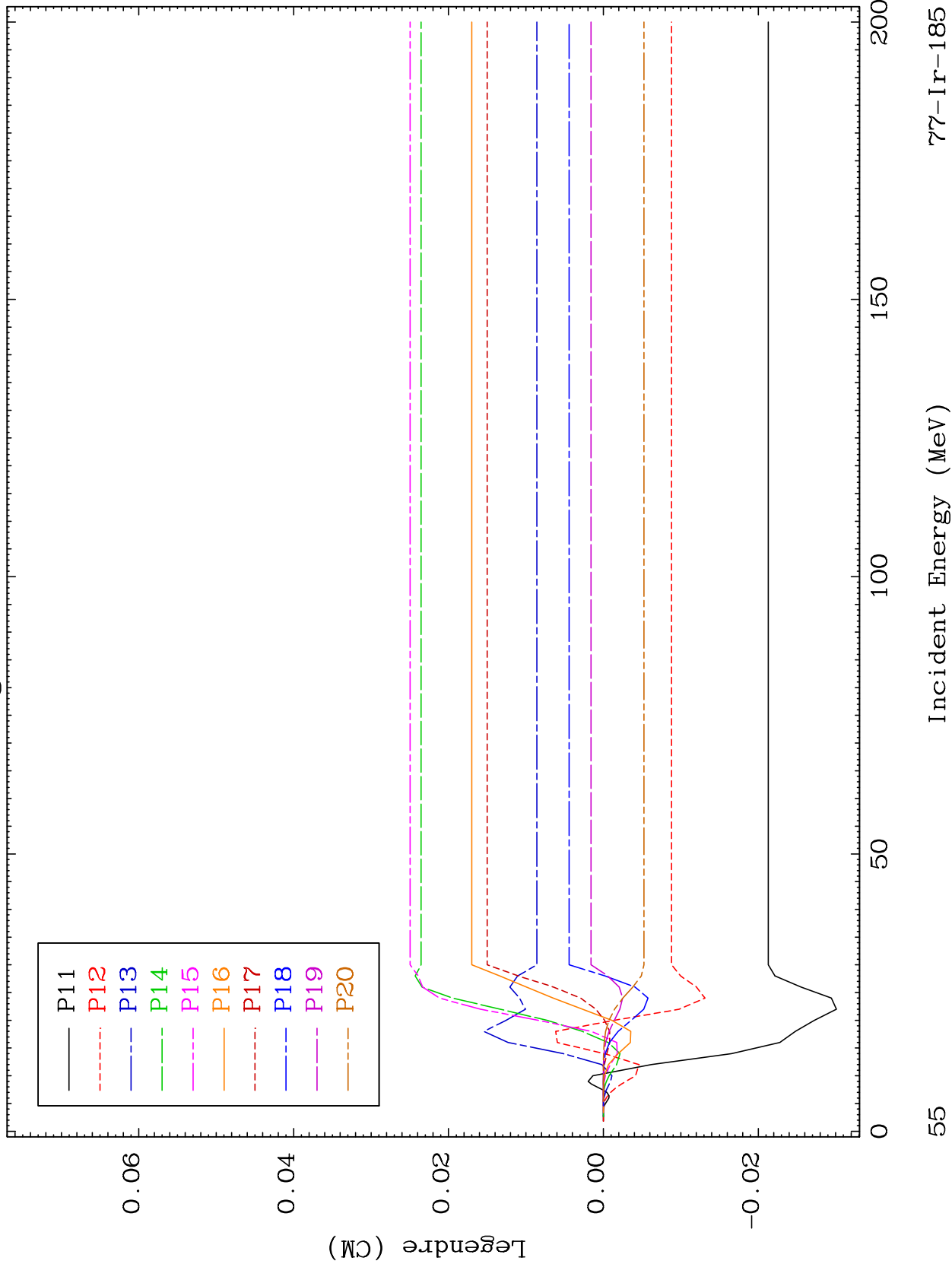
54

77-Ir-185

MAT 7707

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

77-Ir-185



77-Ir-185

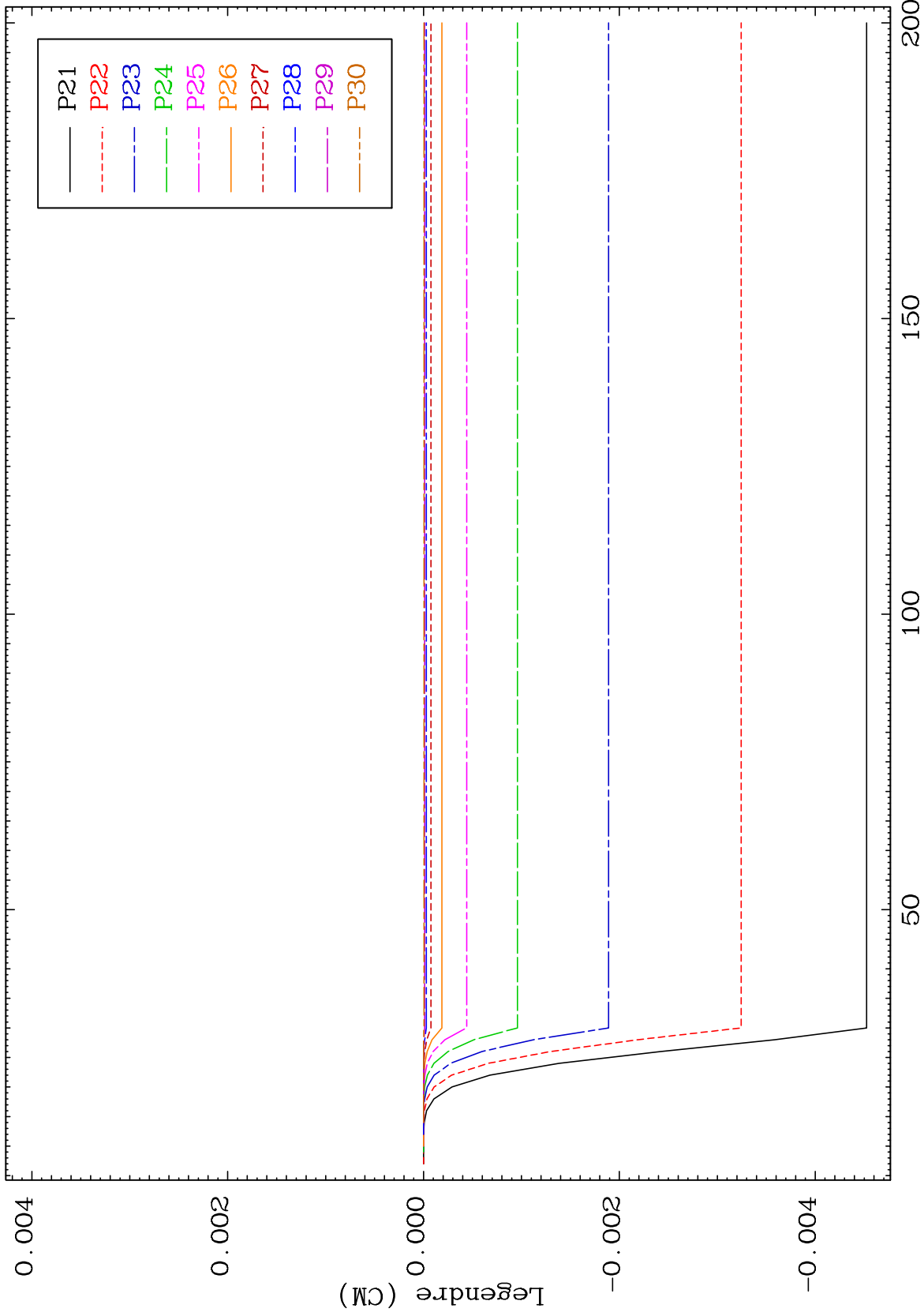
Incident Energy (MeV)

55

MAT 7707

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

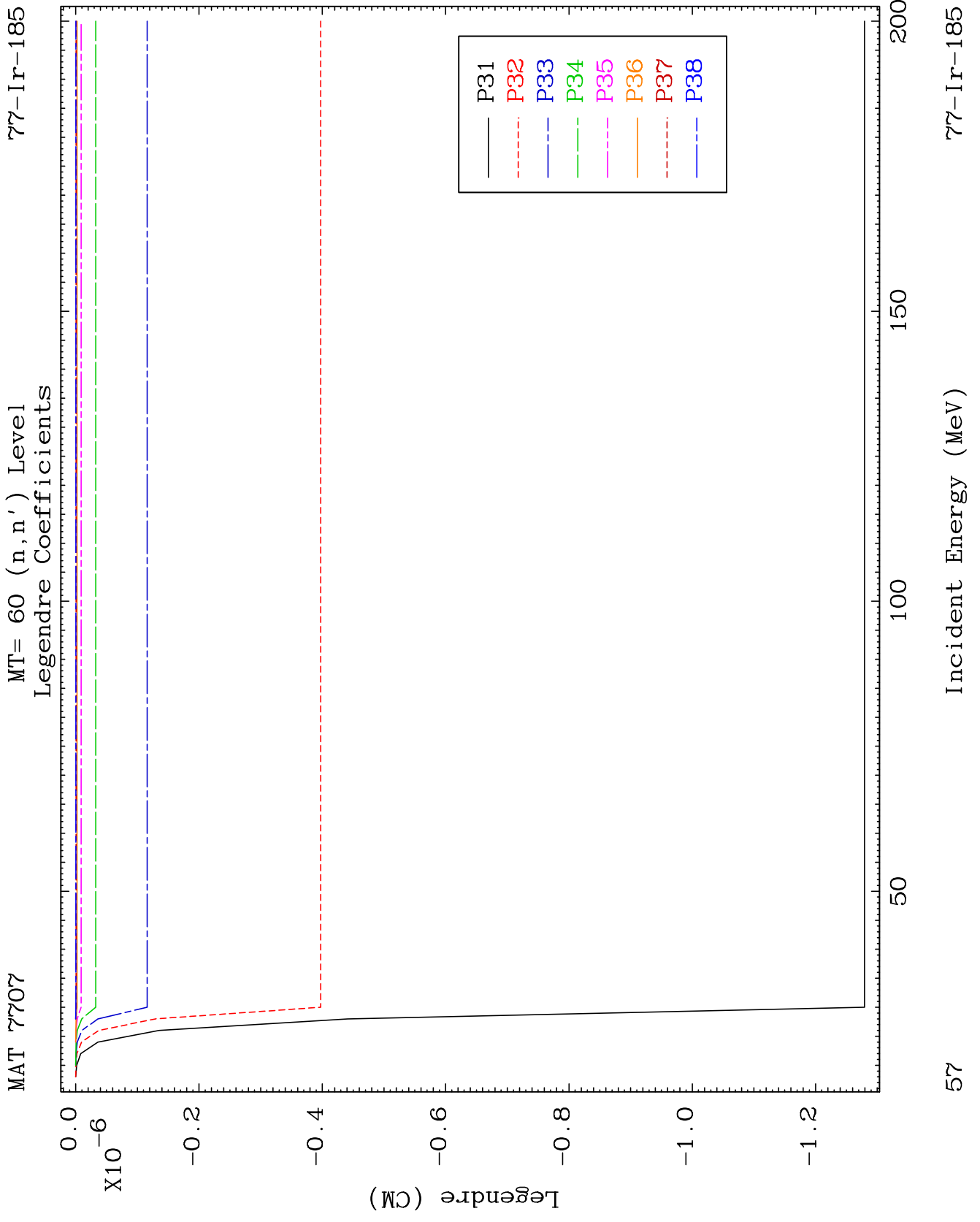
77-Ir-185



56

Incident Energy (MeV)

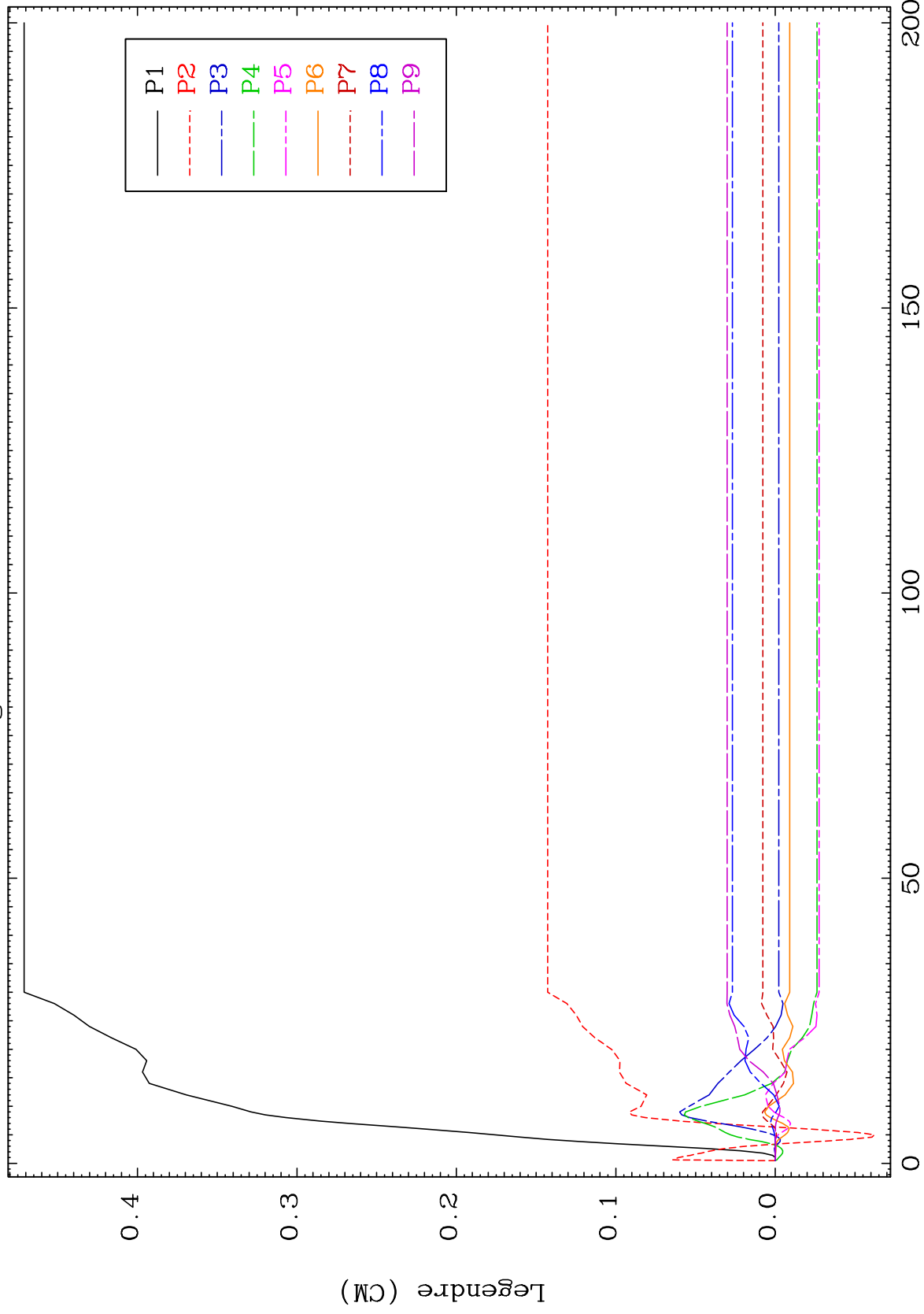
77-Ir-185



MAT 7707

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

77-Ir-185



58

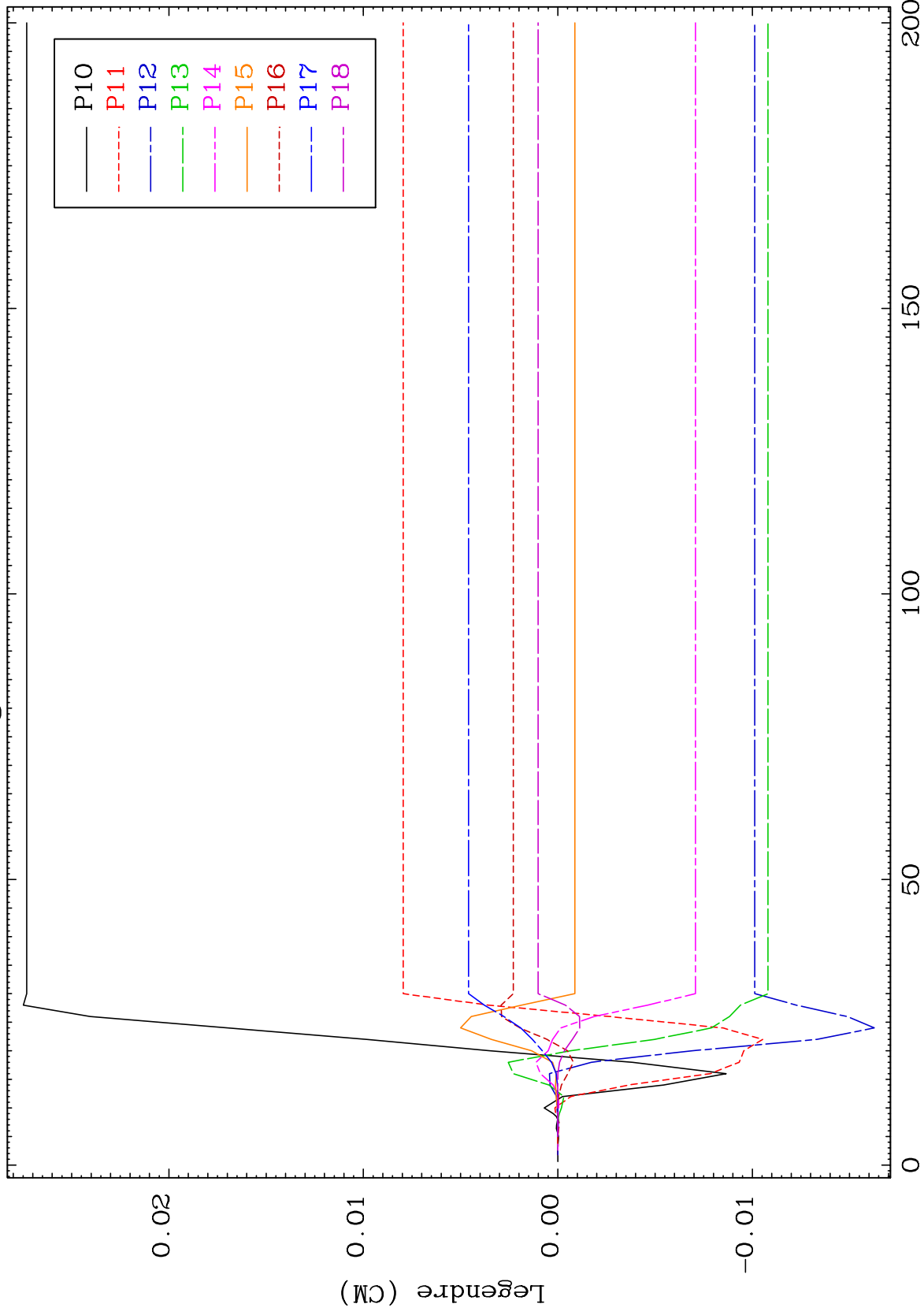
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



59

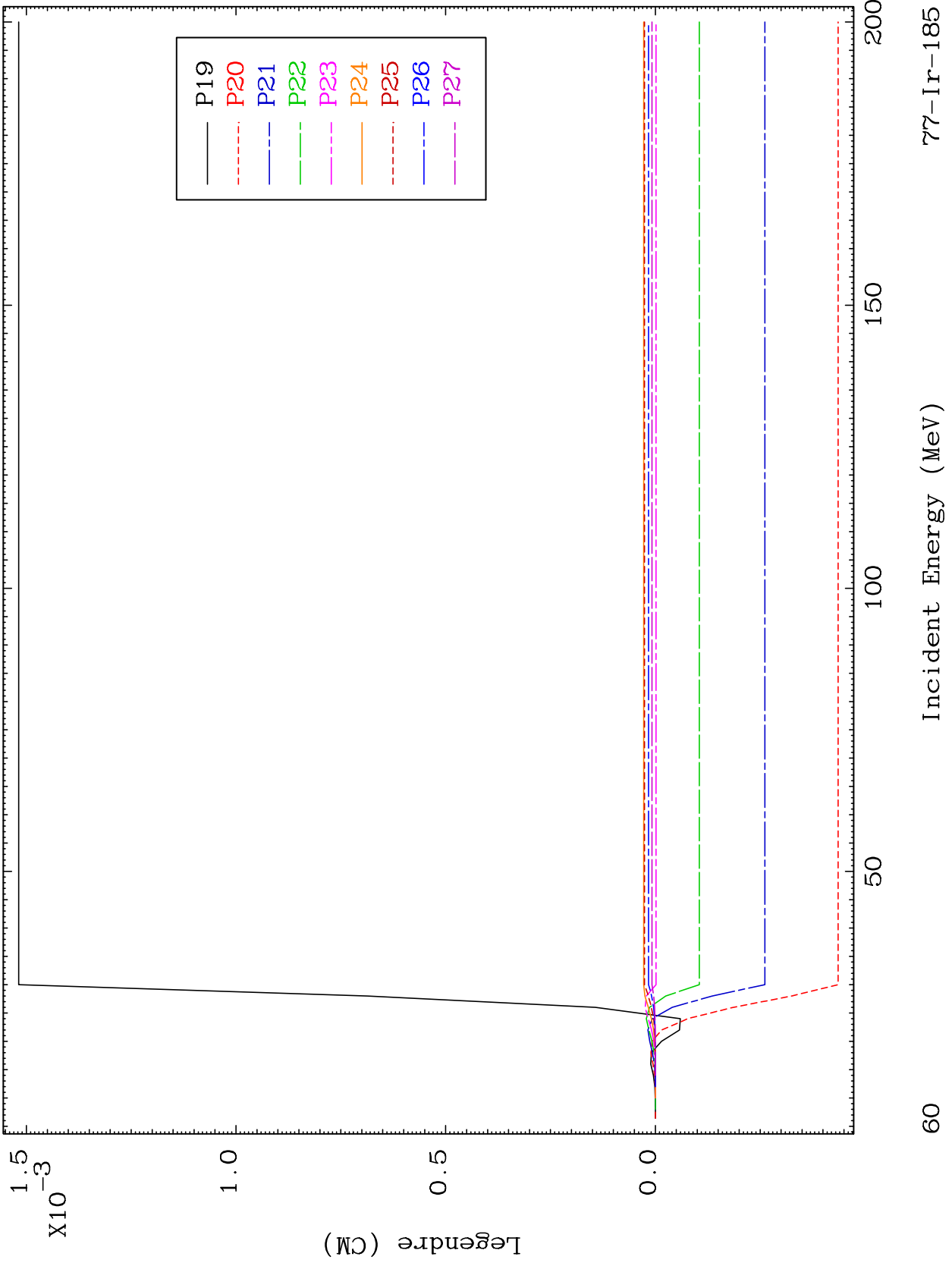
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



60

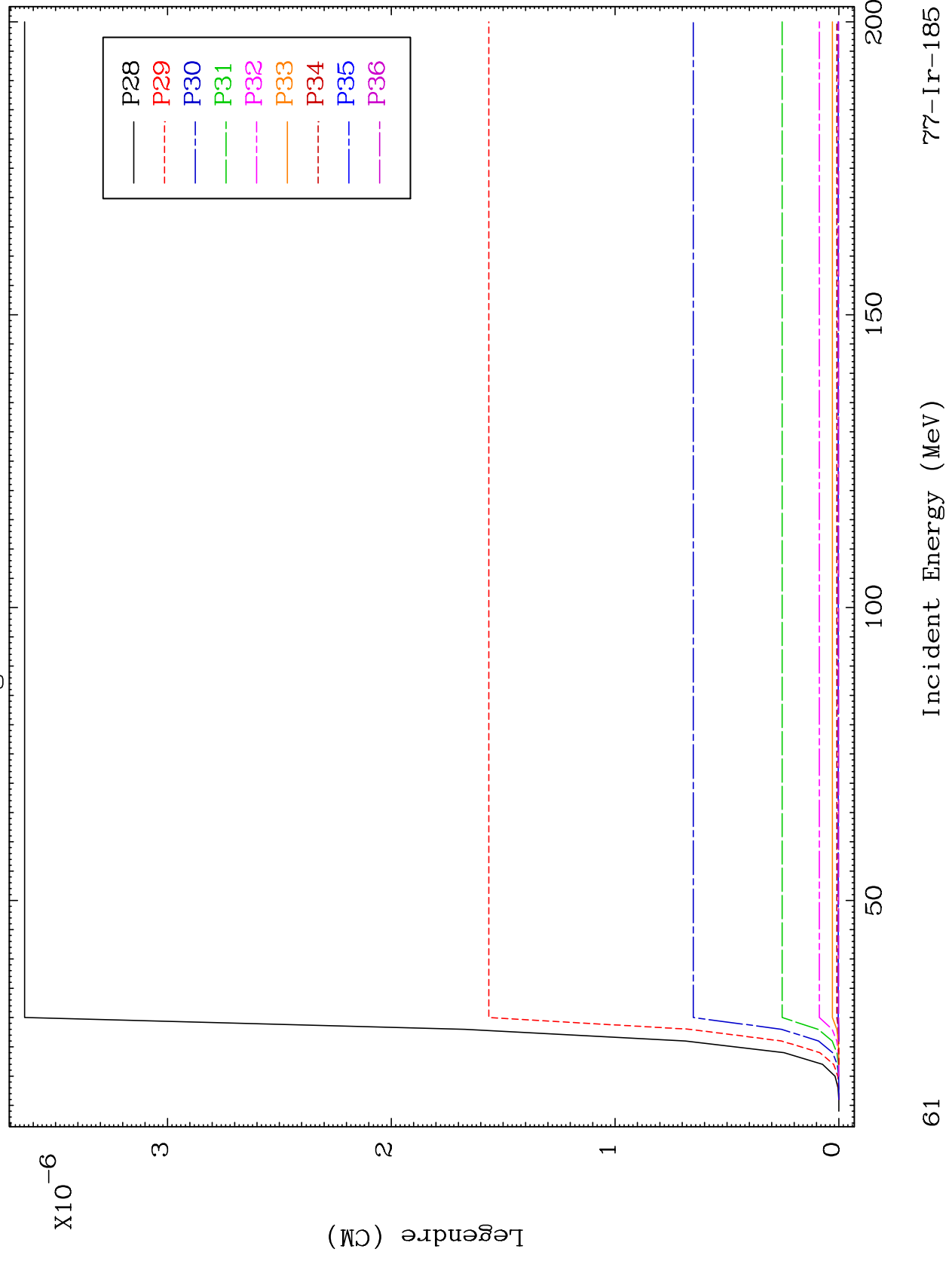
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

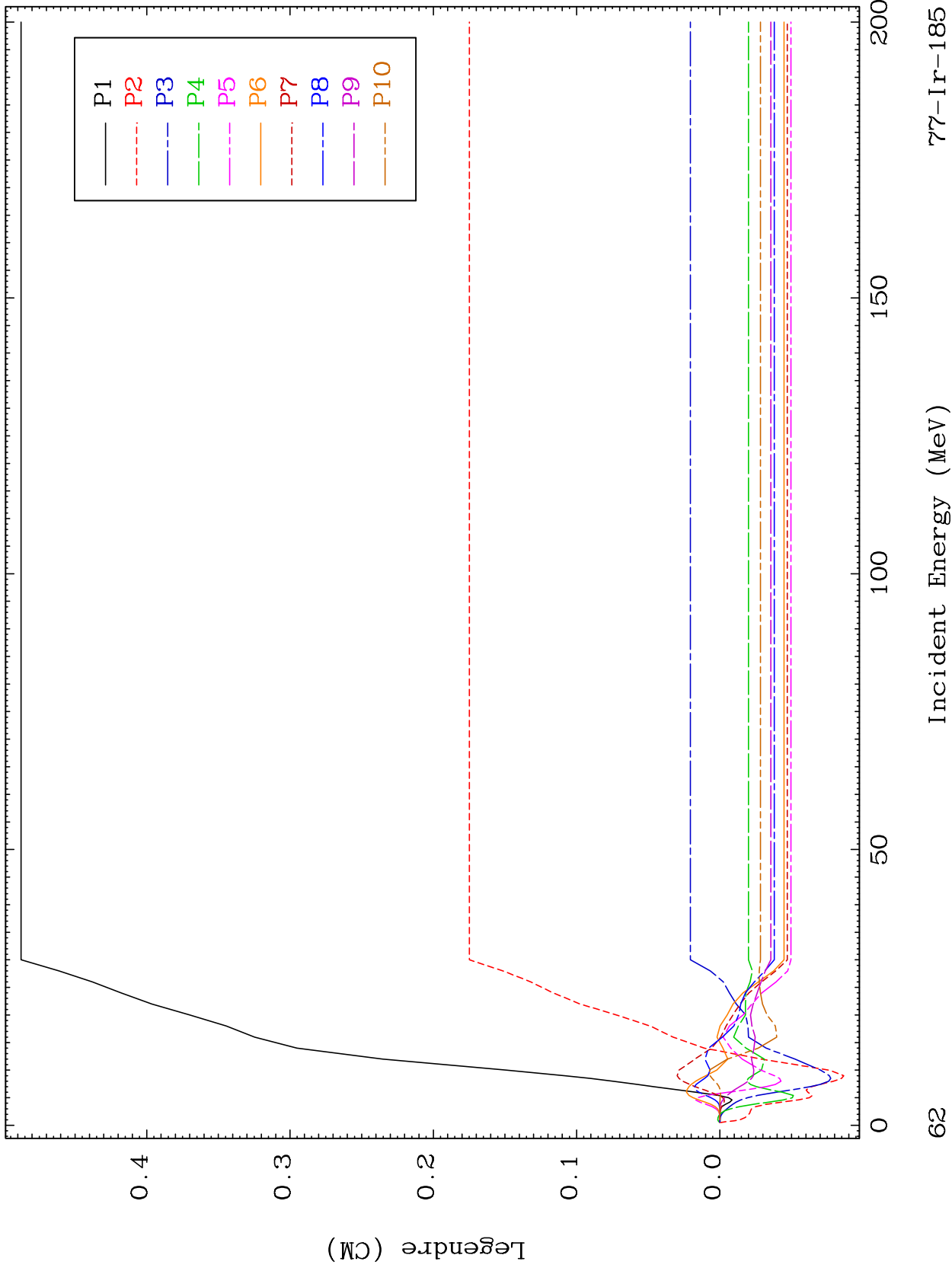
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

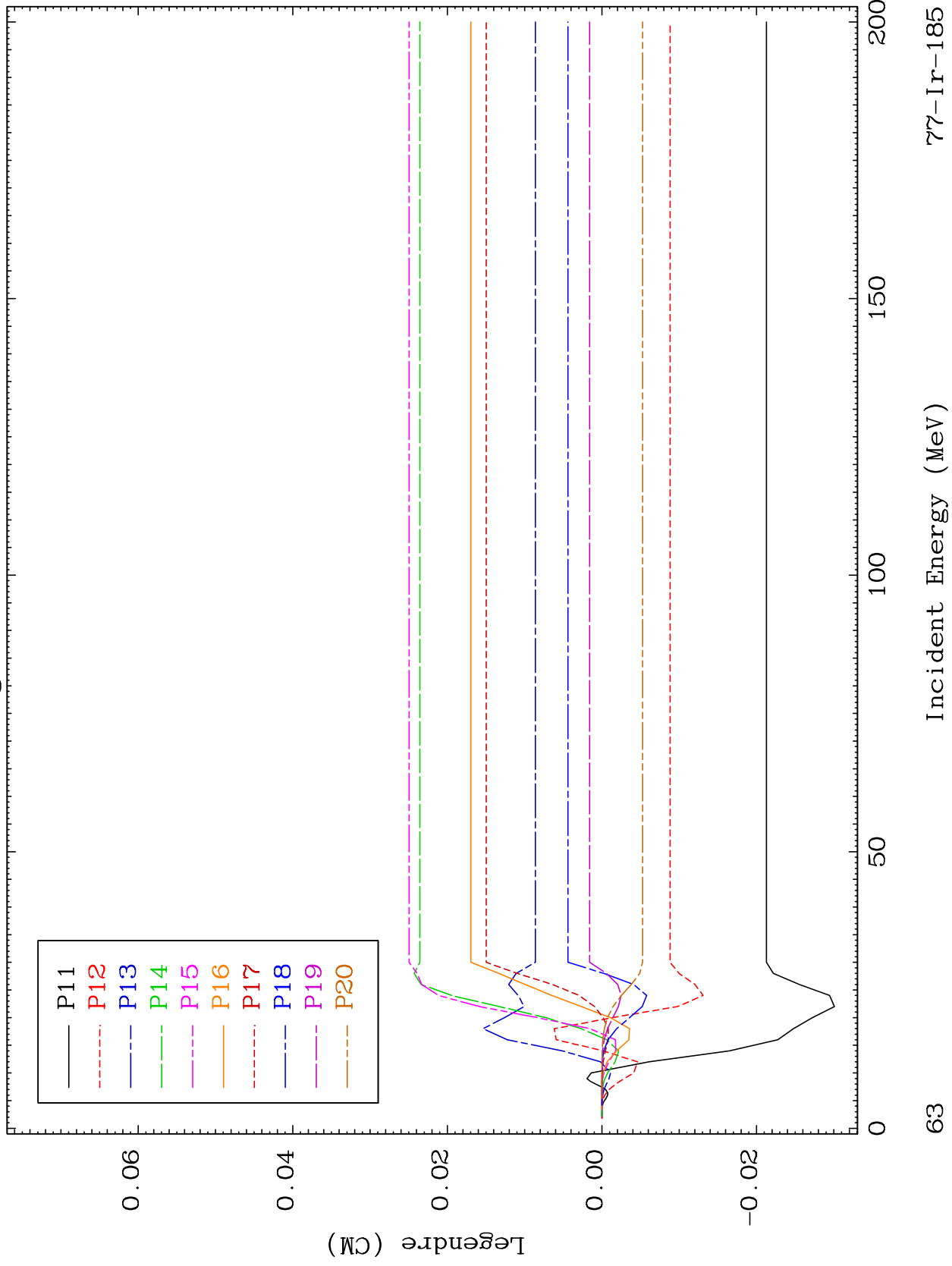
Incident Energy (MeV)

62

MAT 7707

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

77-Ir-185



77-Ir-185

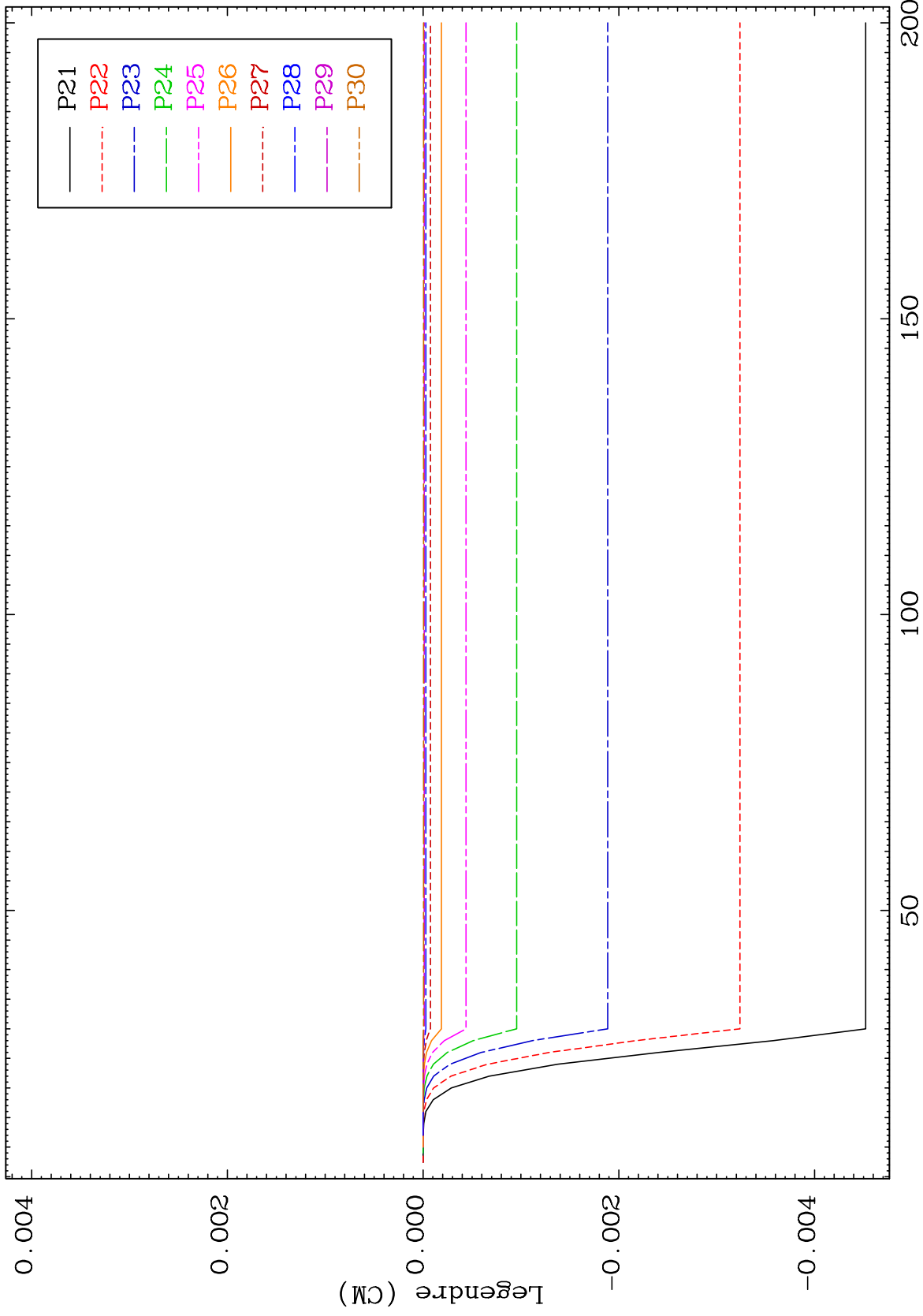
Incident Energy (MeV)

63

MAT 7707

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

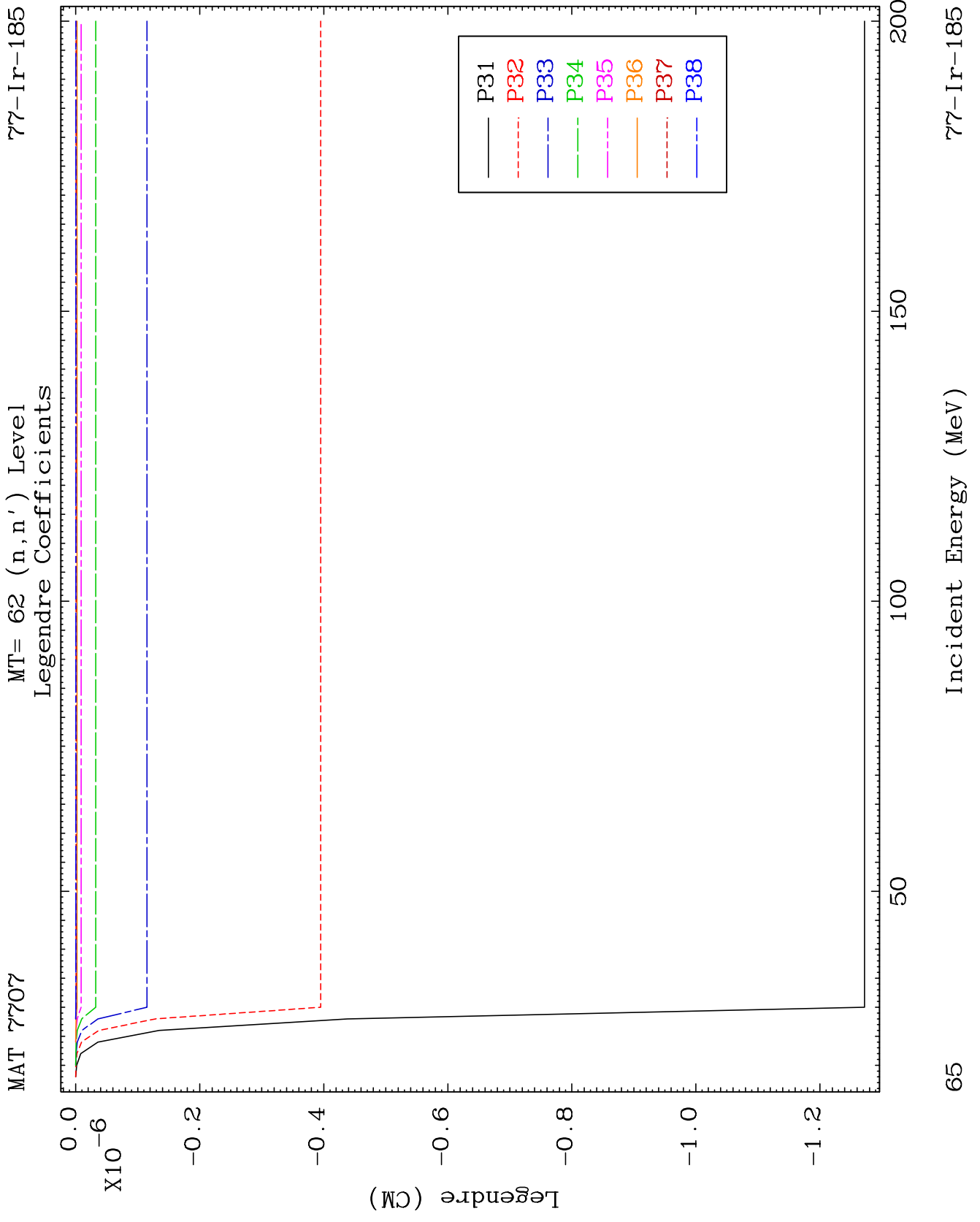
77-Ir-185



64

Incident Energy (MeV)

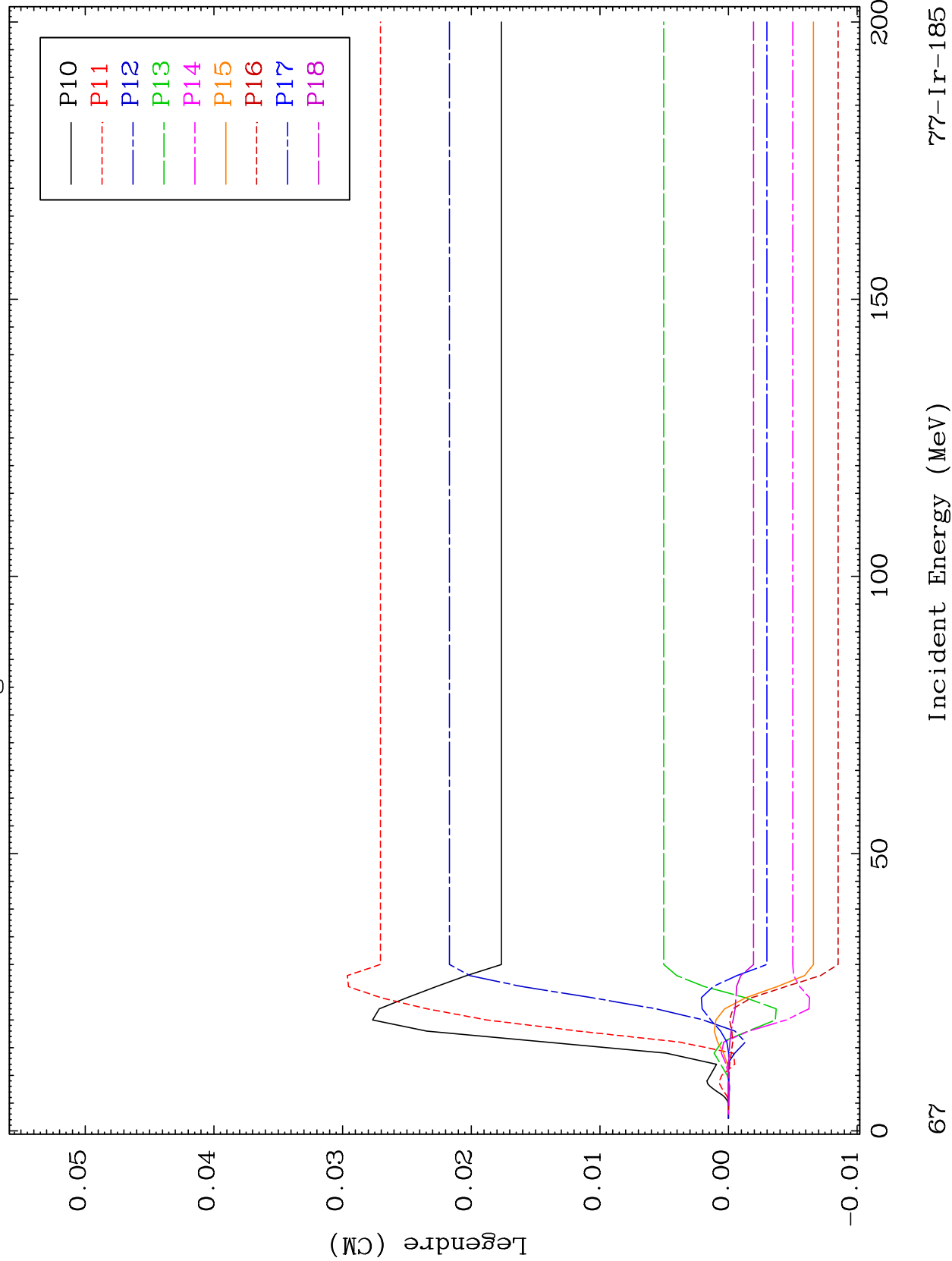
77-Ir-185



MAT 7707

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

77-Ir-185



67

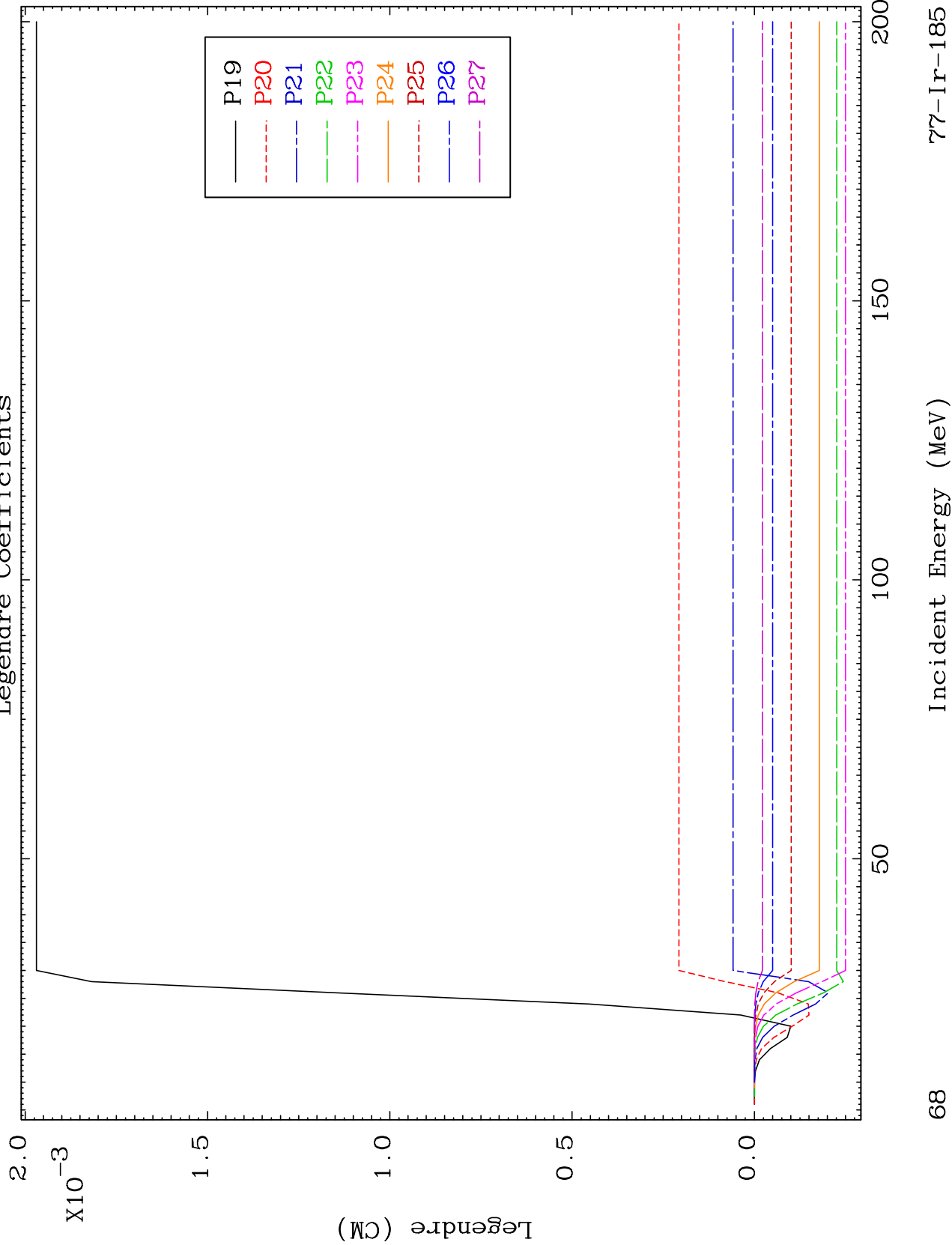
Incident Energy (MeV)

77-Ir-185

MAT 7707

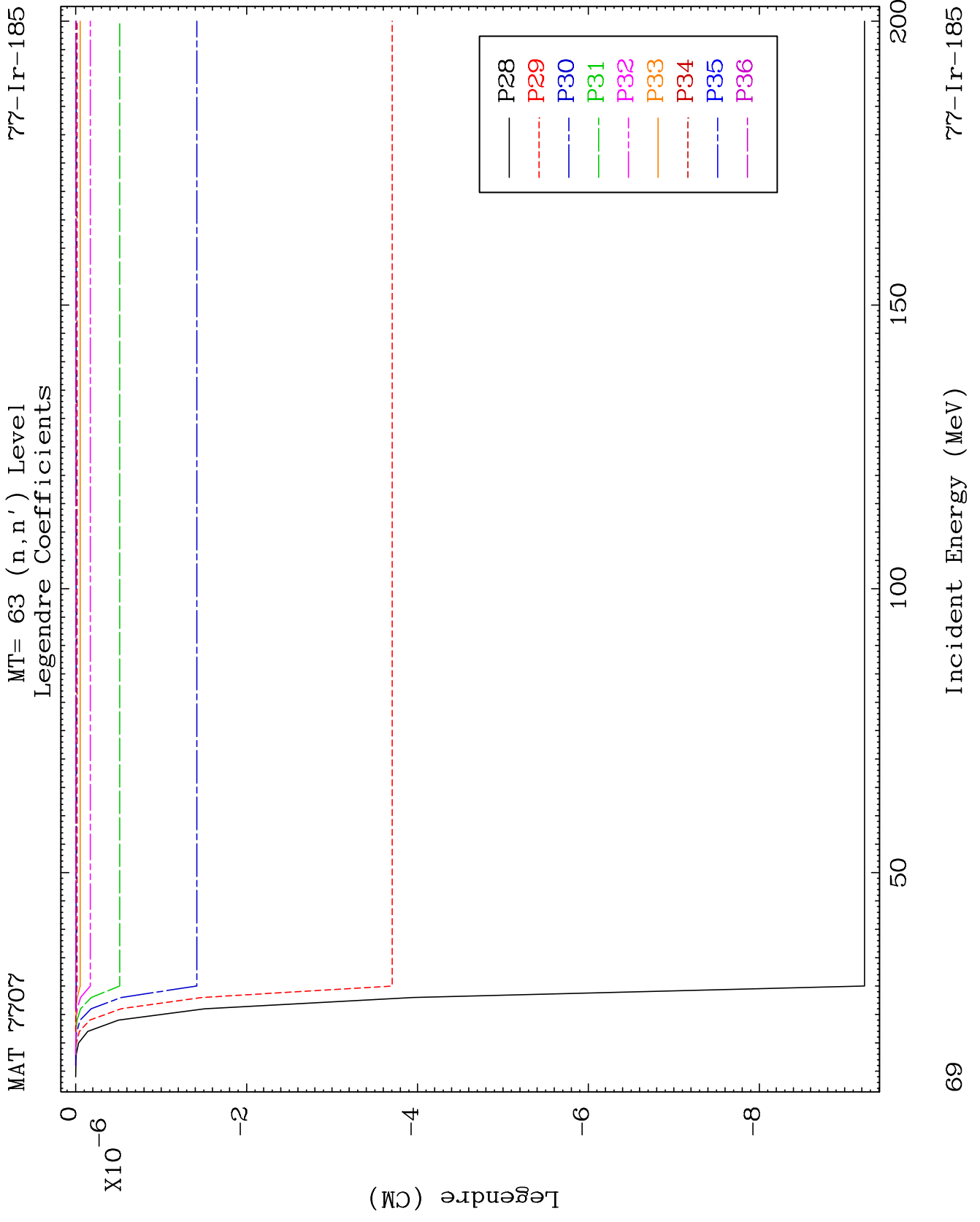
MT= 63 (n,n') Level
Legendre Coefficients

77-Ir-185



68

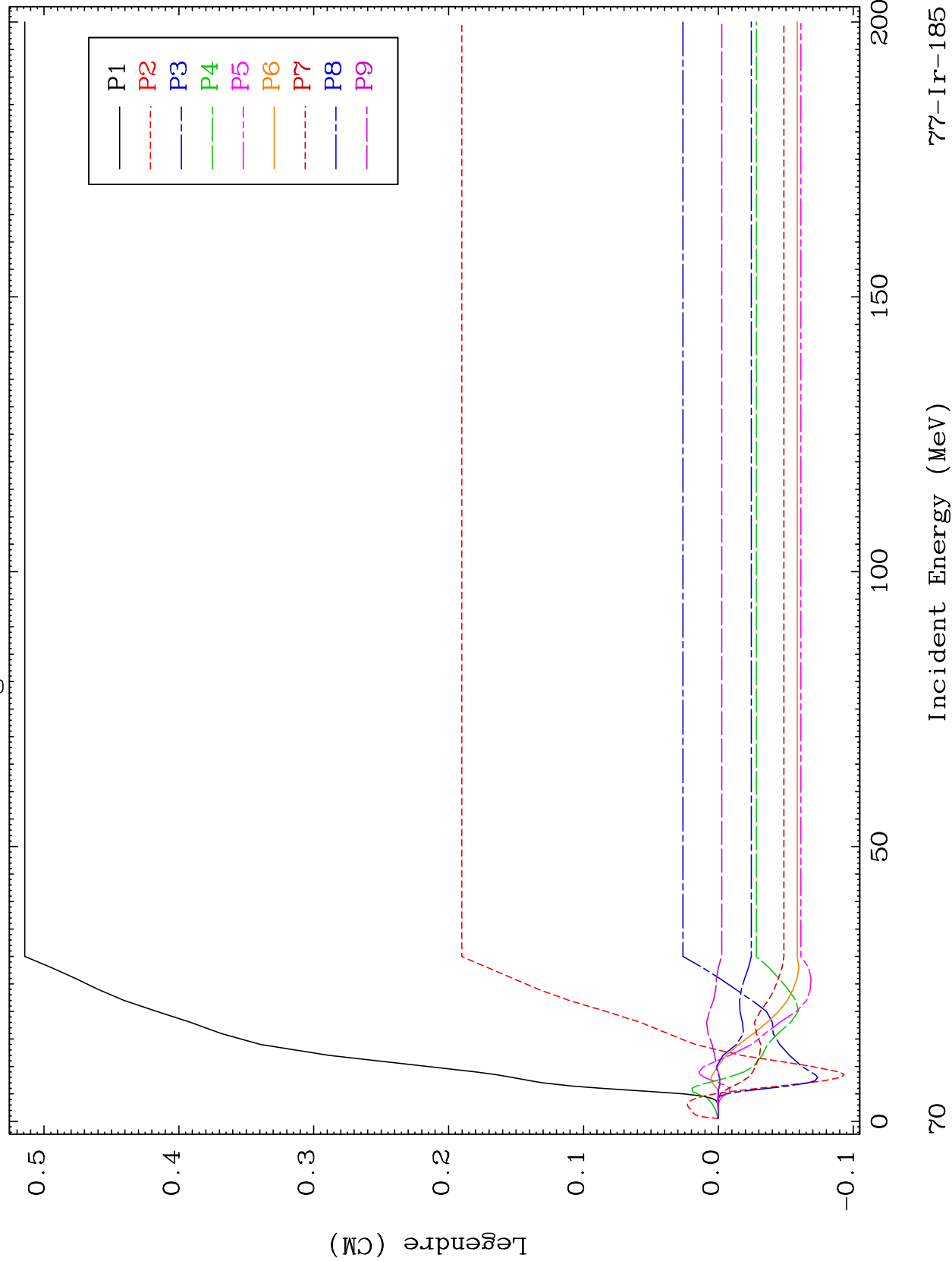
77-Ir-185



MAT 7707

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

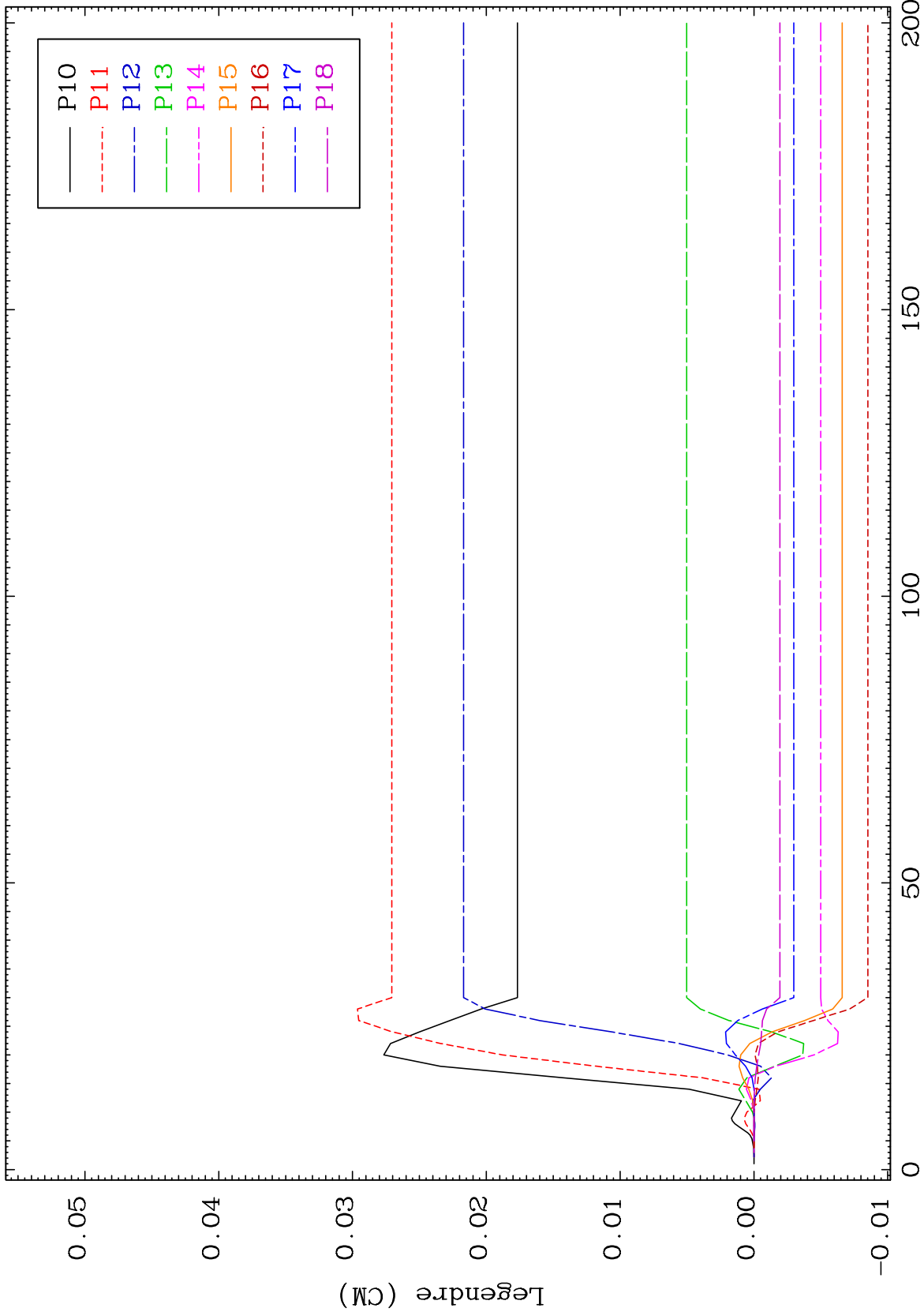
77-Ir-185



MAT 7707

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

77-Ir-185



71

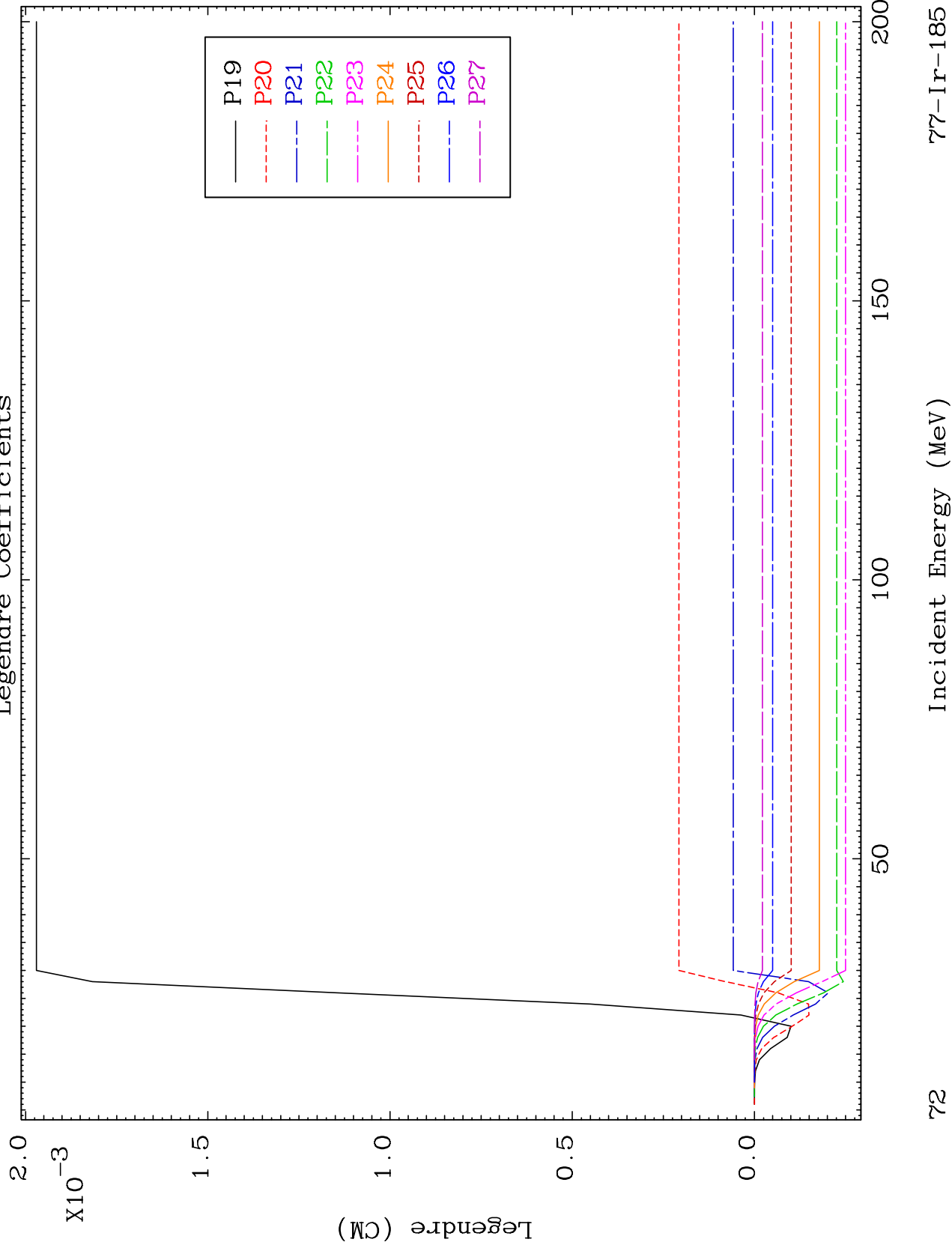
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

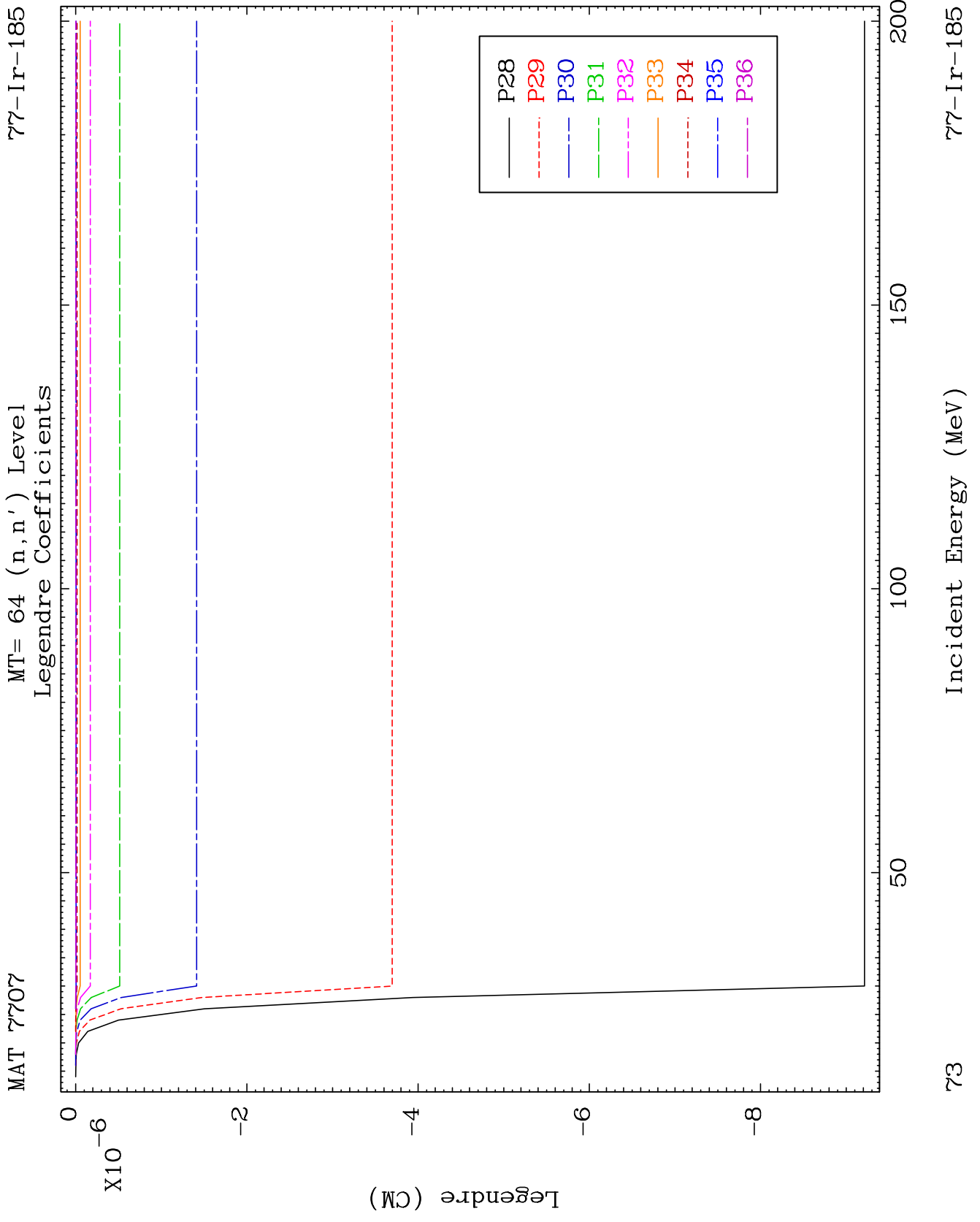
77-Ir-185



72

Incident Energy (MeV)

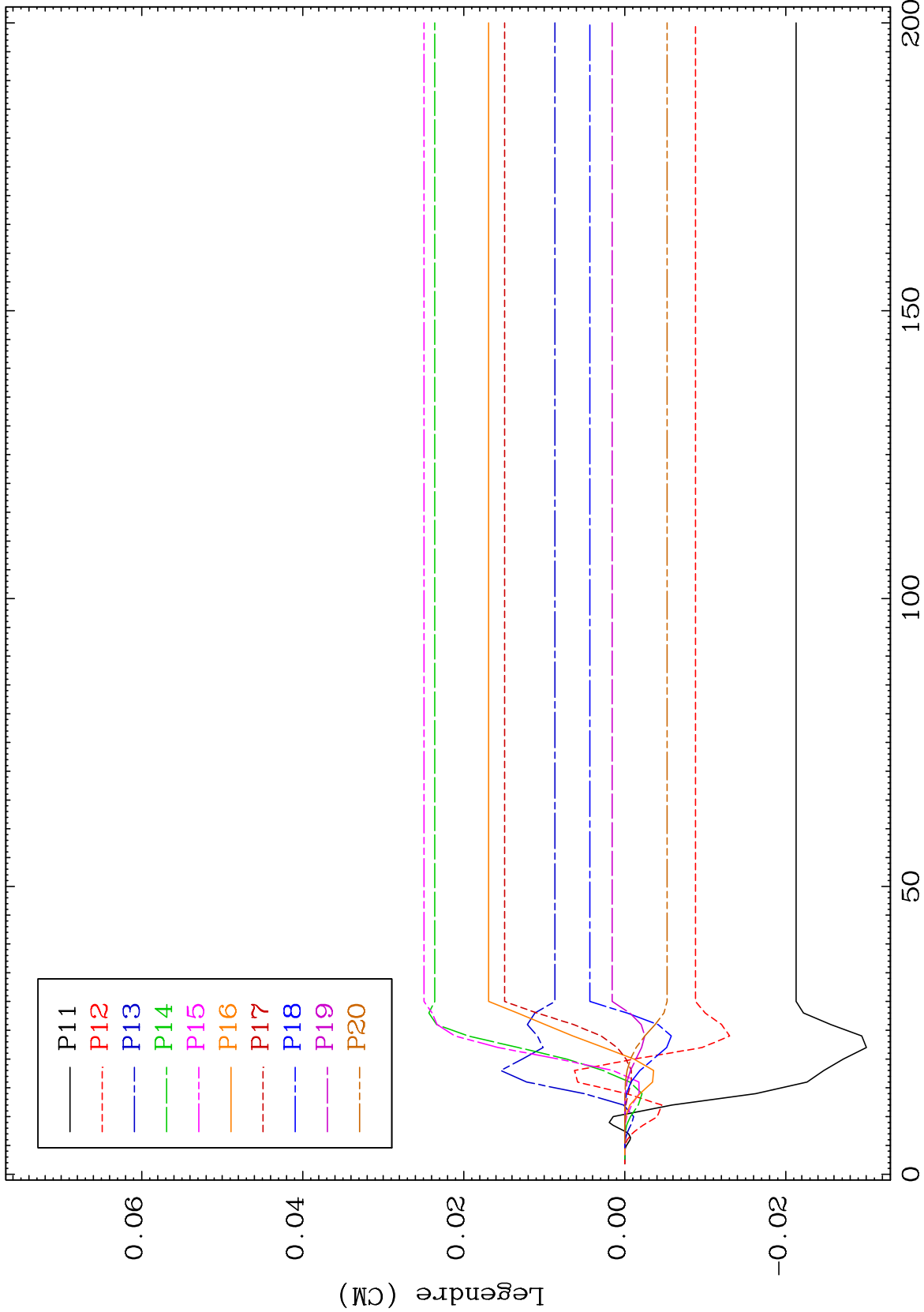
77-Ir-185



MAT 7707

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

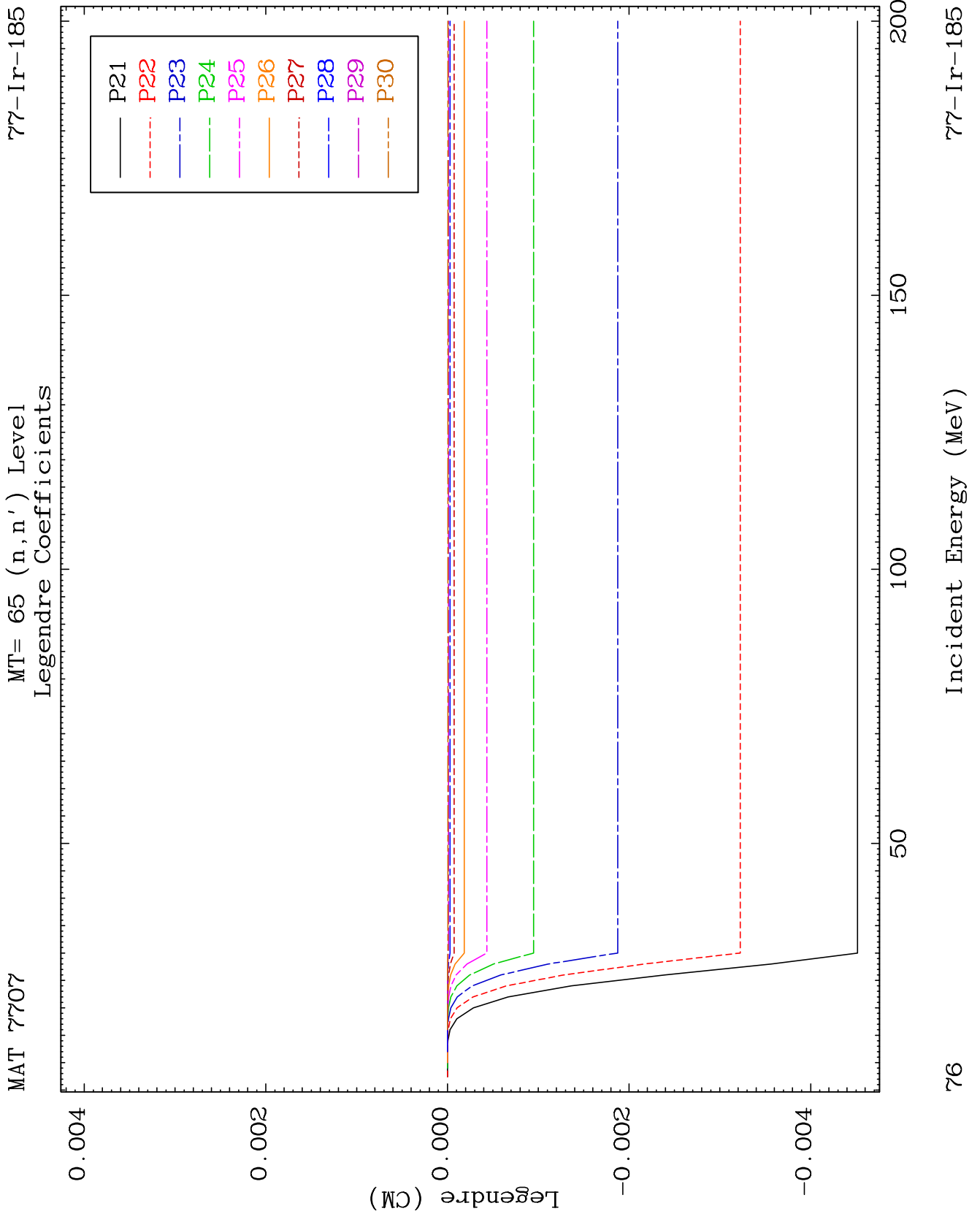
77-Ir-185

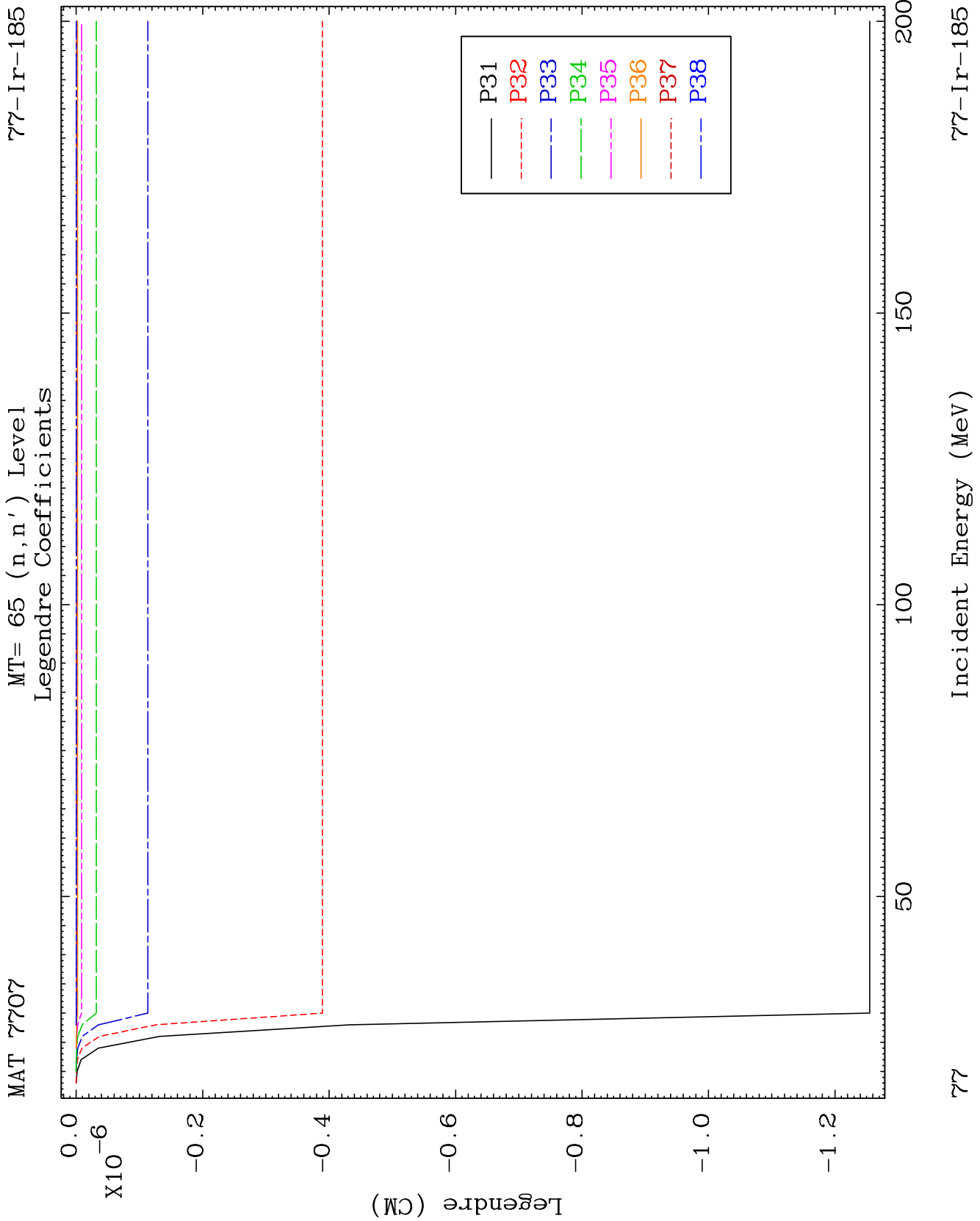


75

Incident Energy (MeV)

77-Ir-185

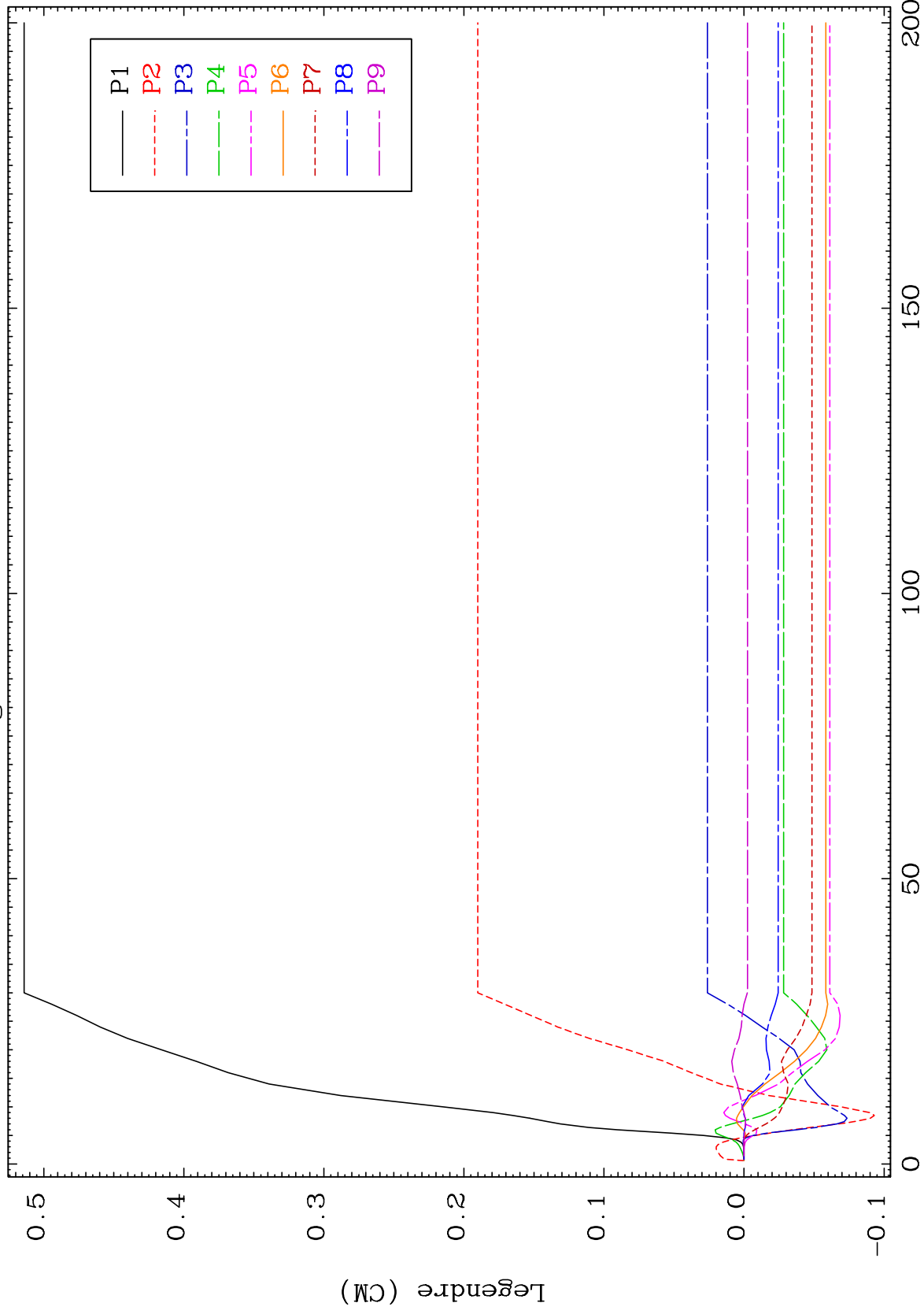




MAT 7707

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

77-Ir-185



78

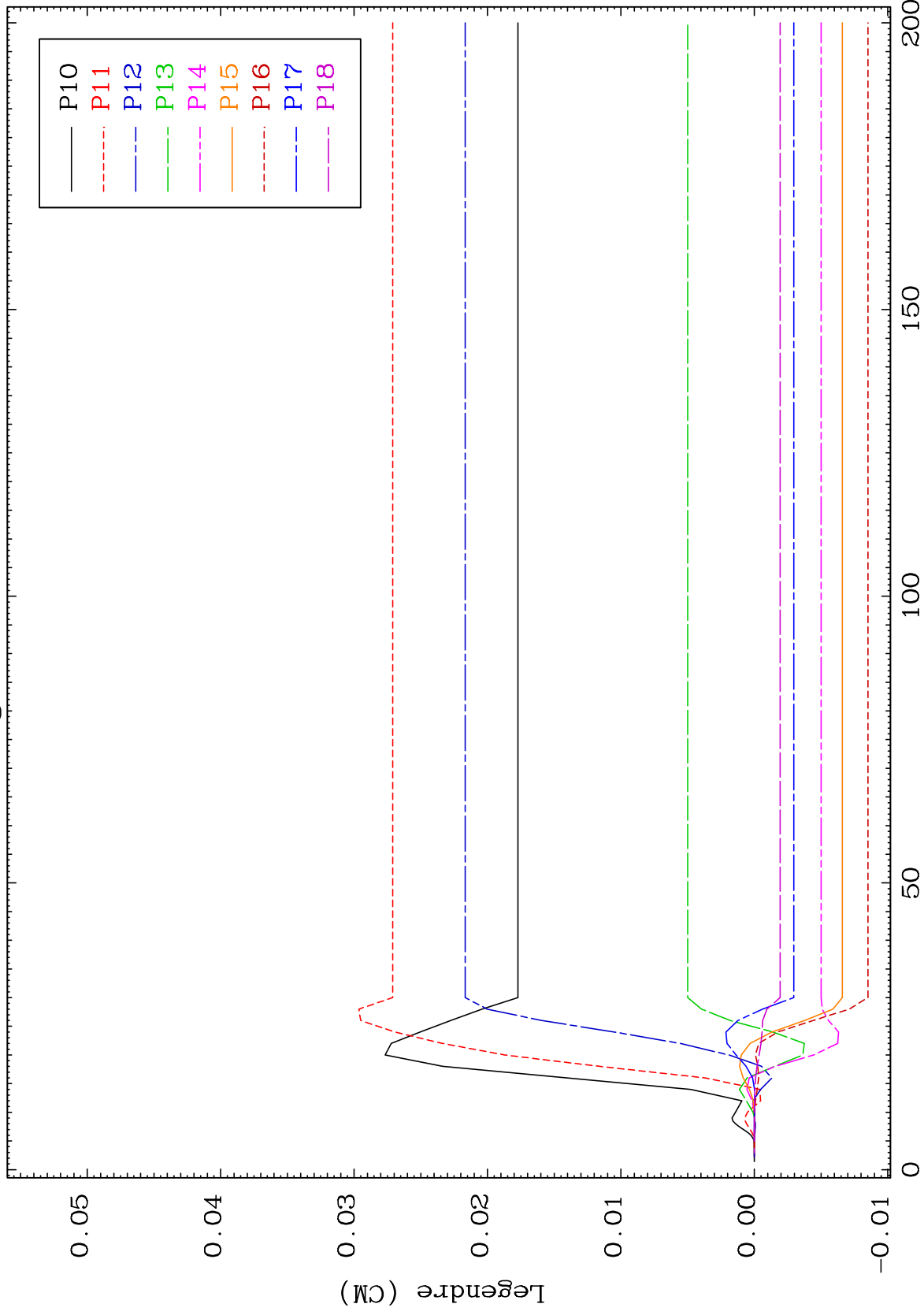
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

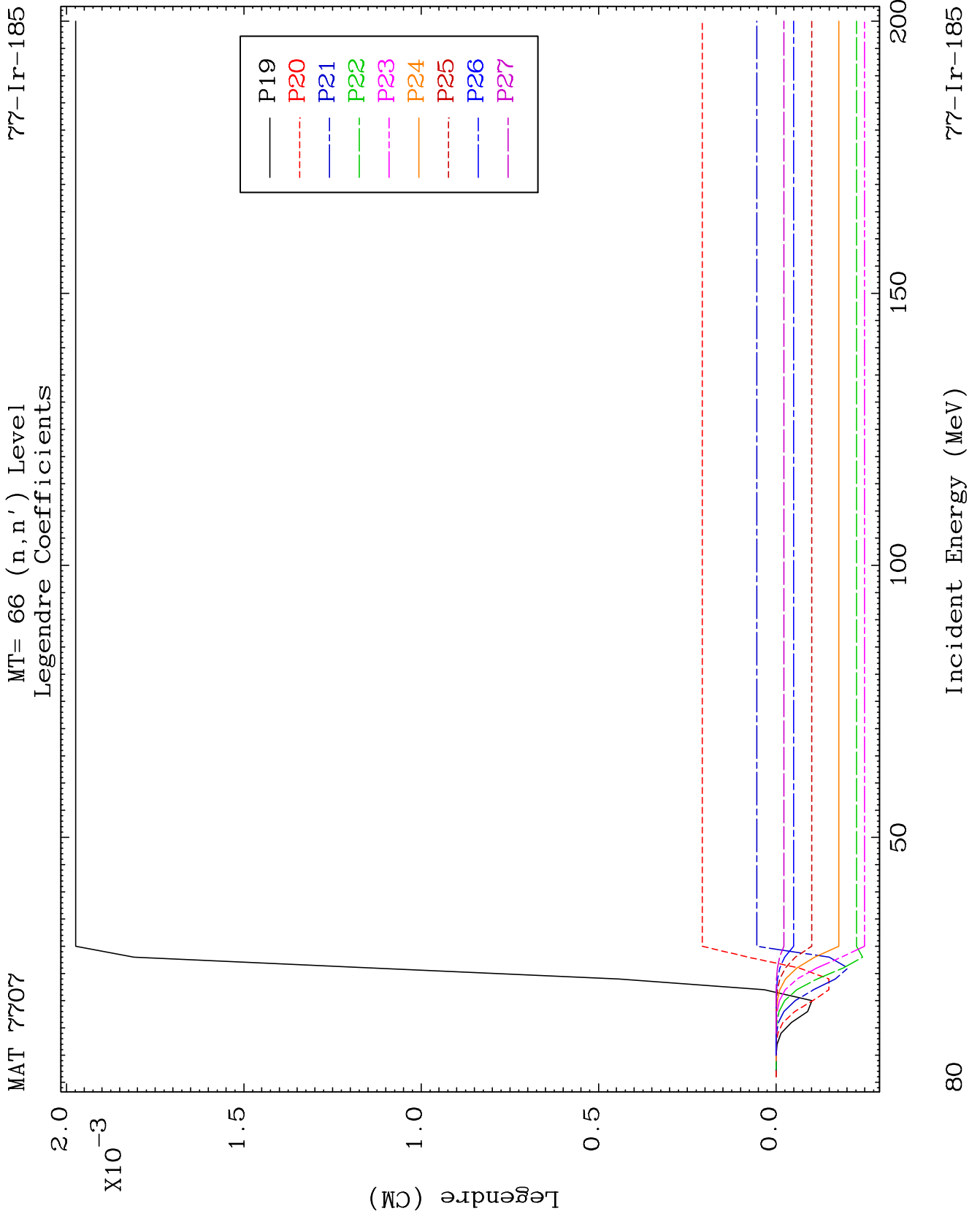
77-Ir-185

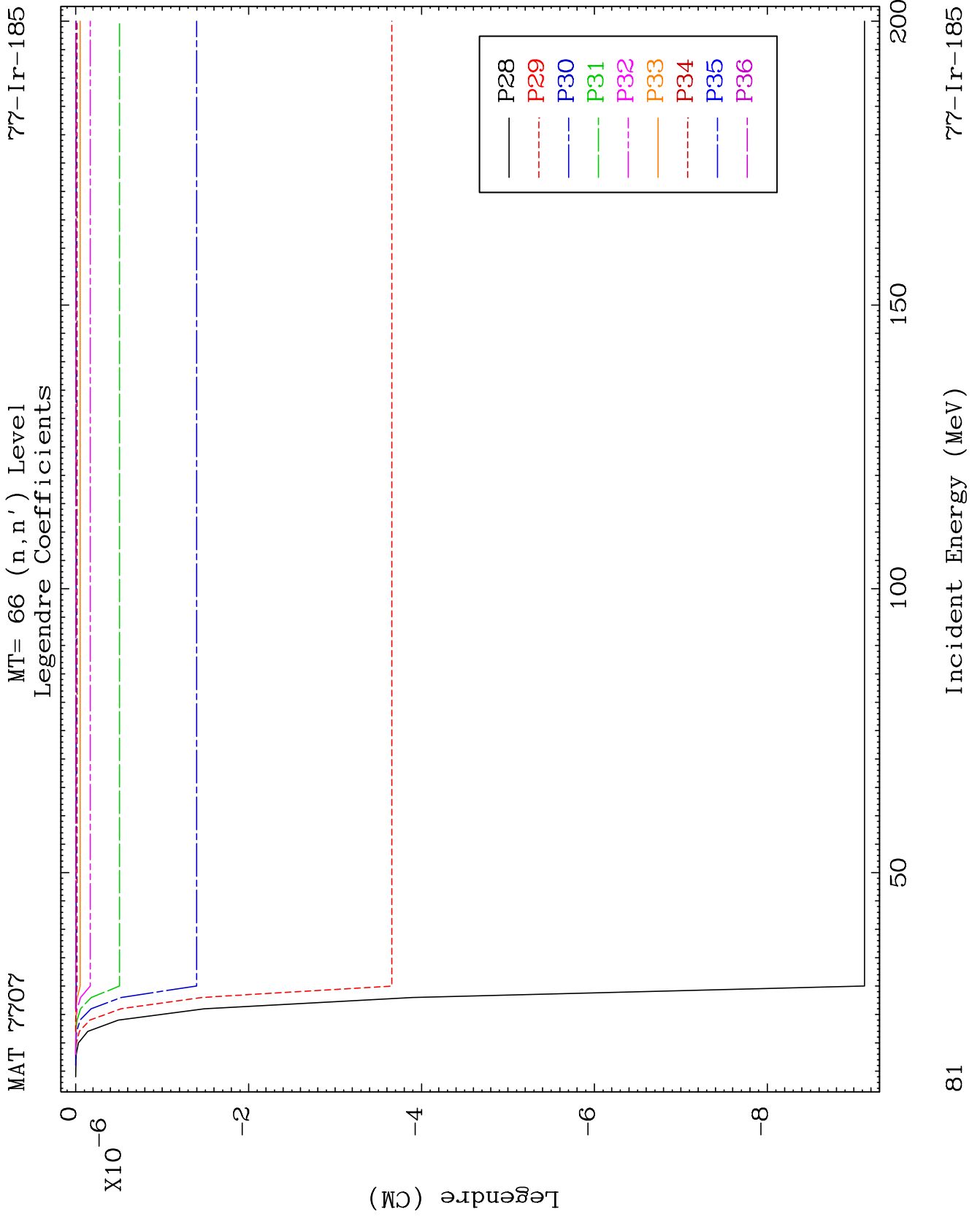


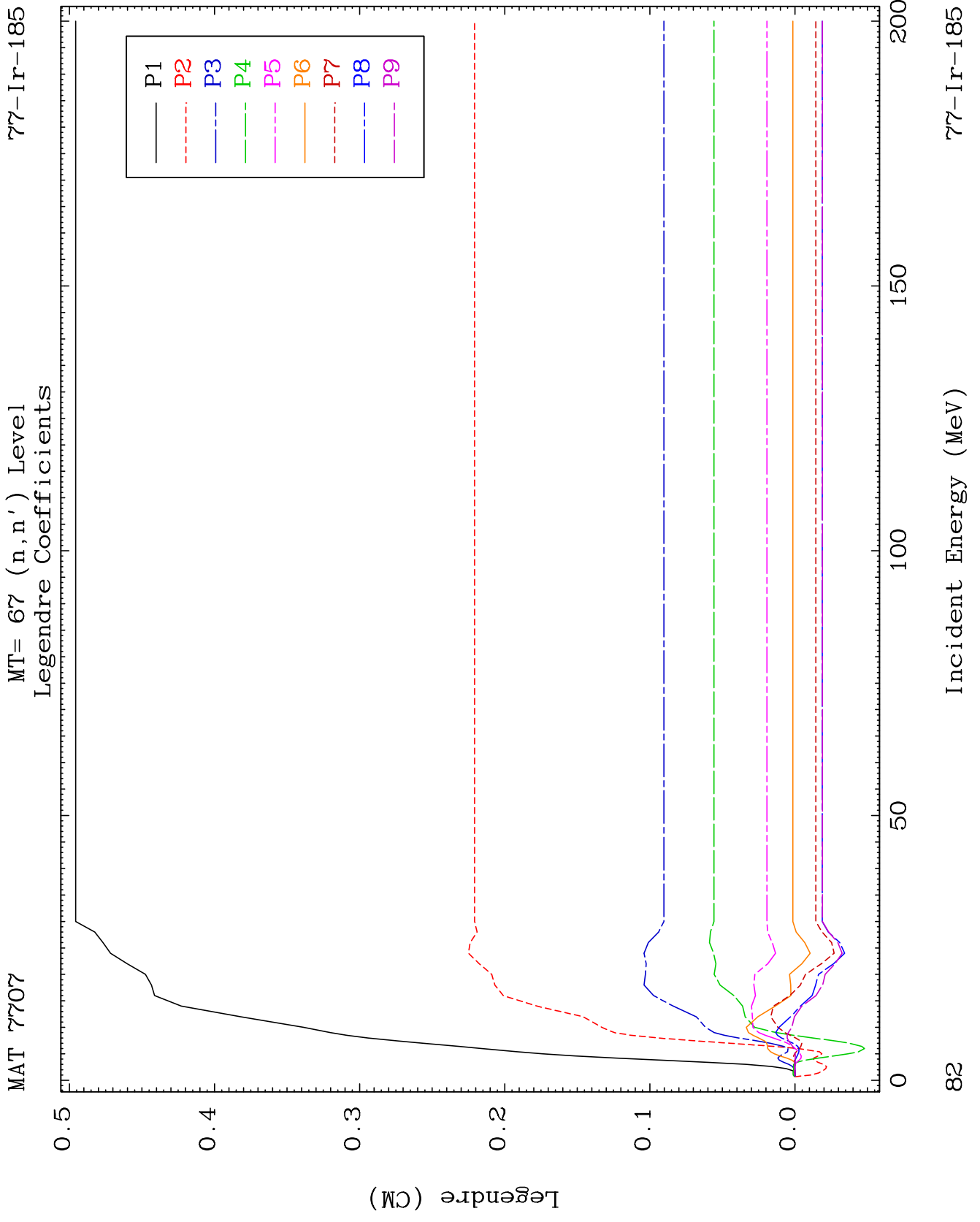
79

Incident Energy (MeV)

77-Ir-185



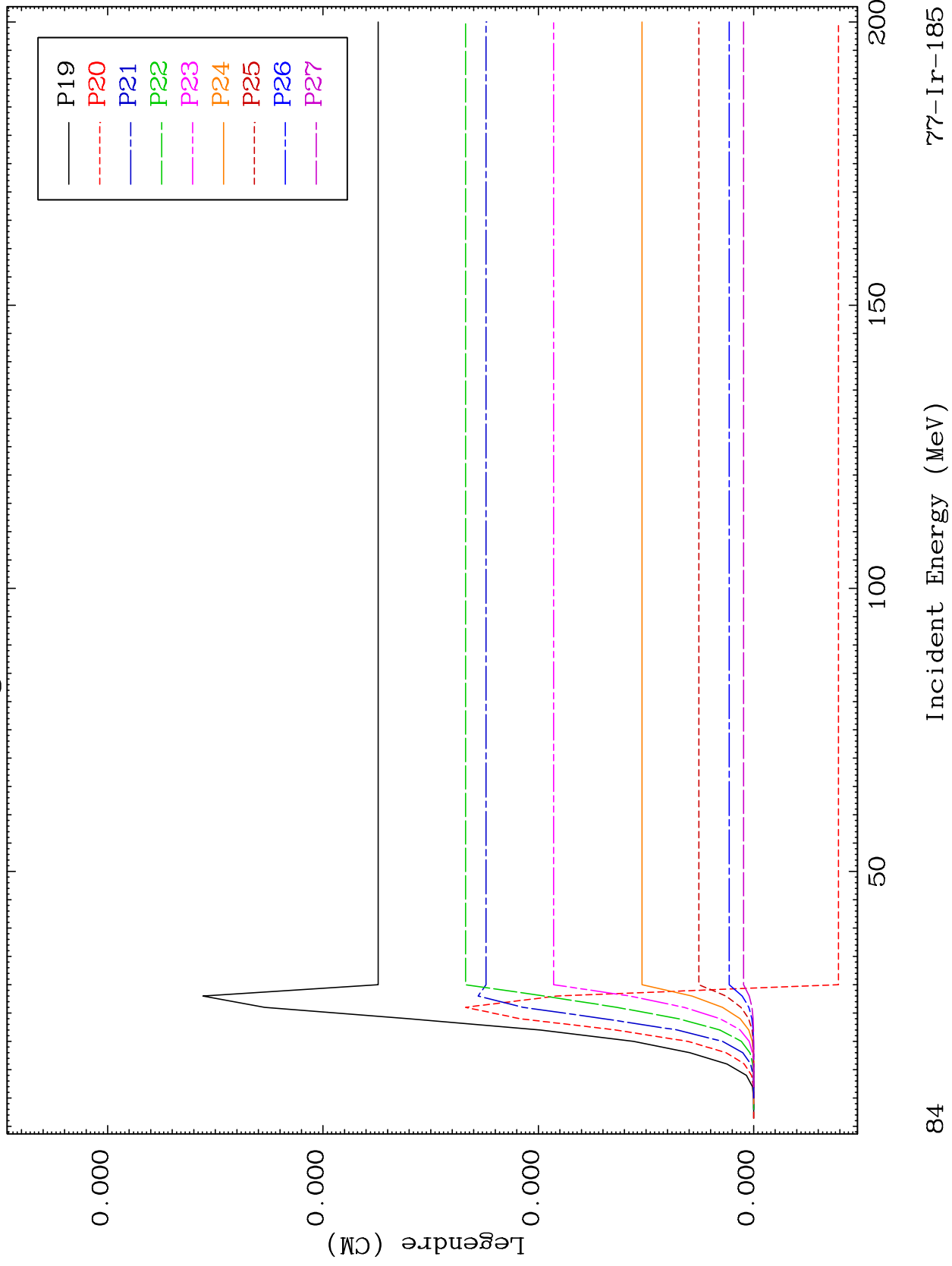




MAT 7707

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

77-Ir-185



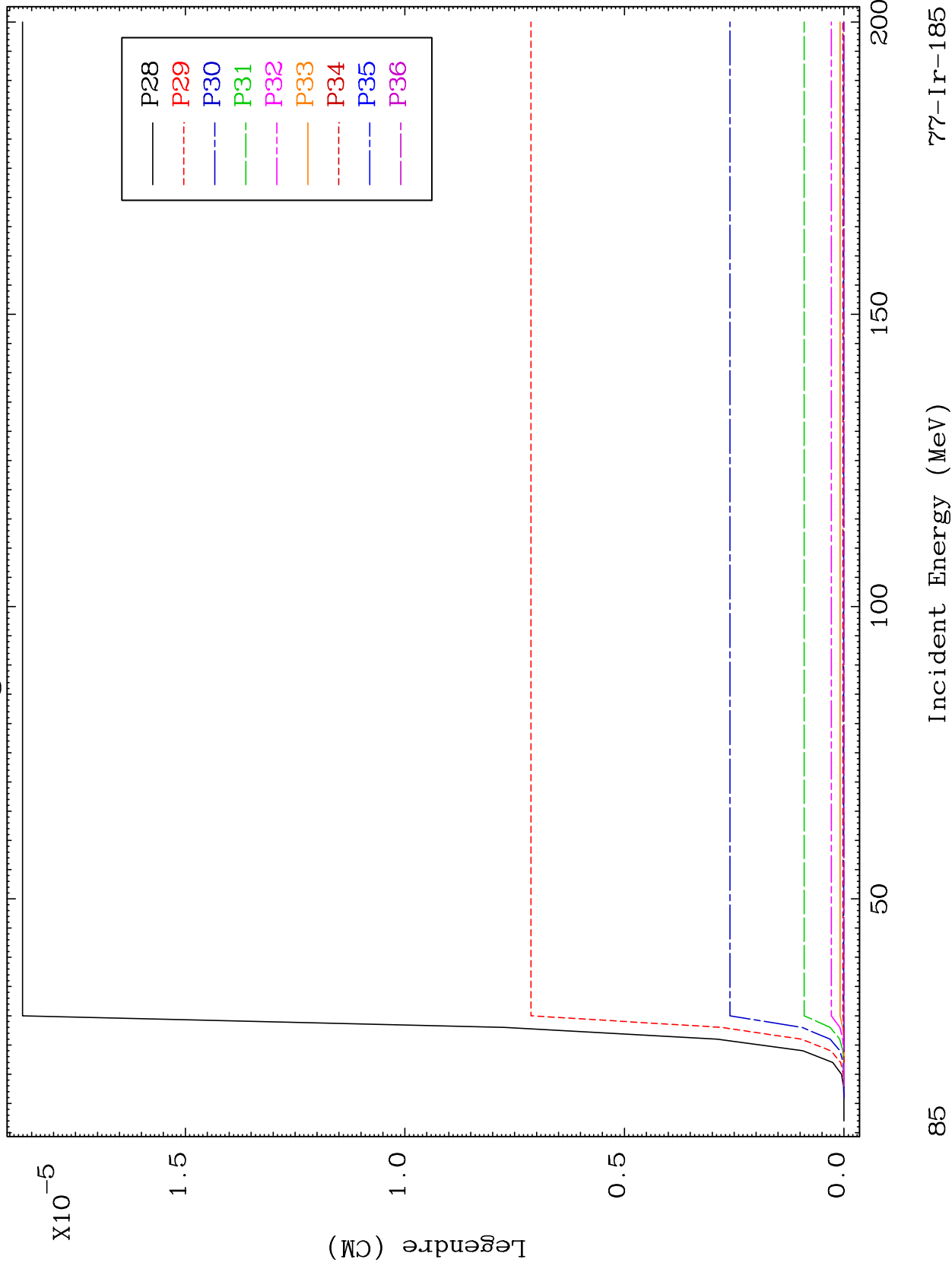
84

77-Ir-185

MAT 7707

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

77-Ir-185



85

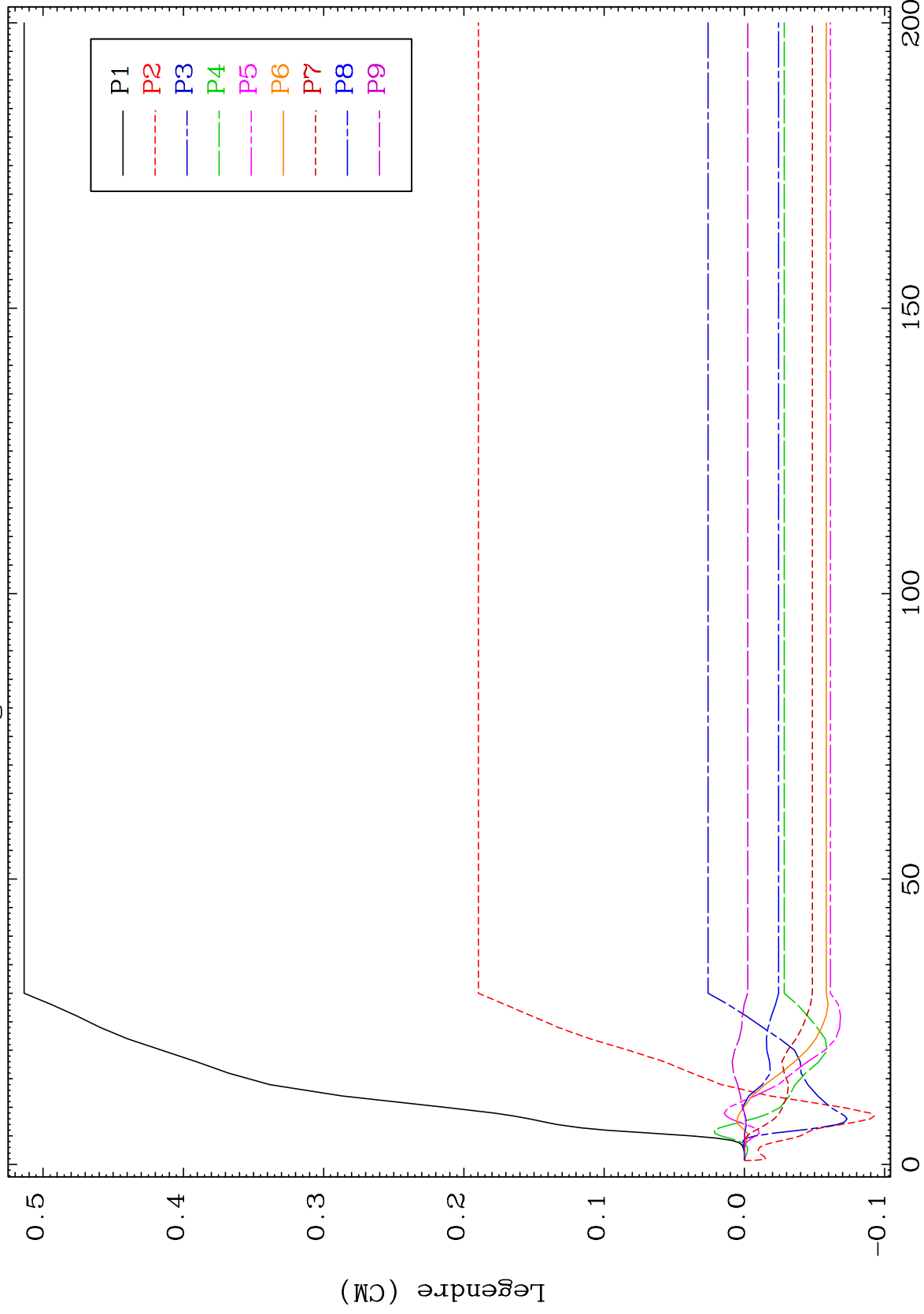
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



86

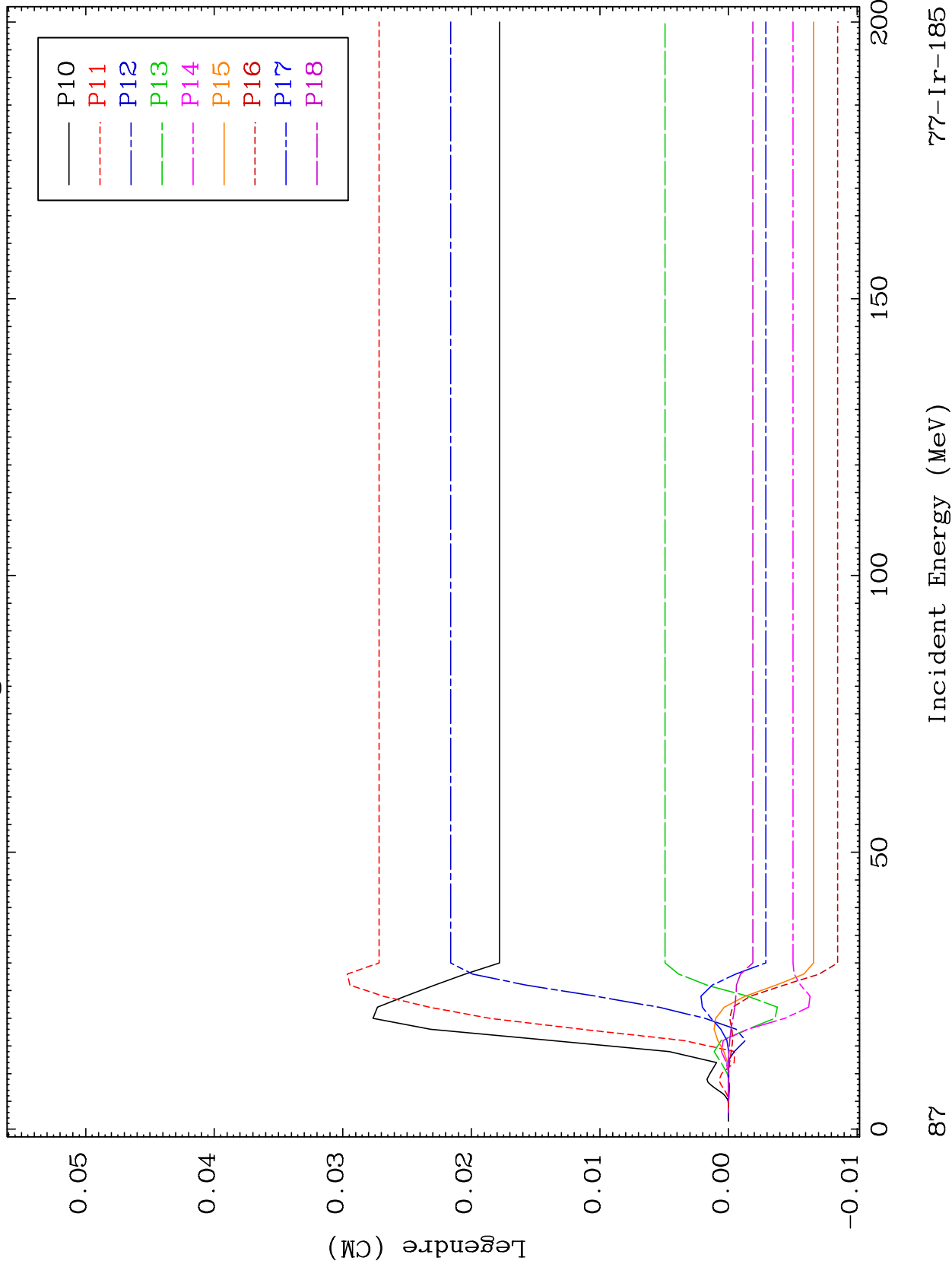
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

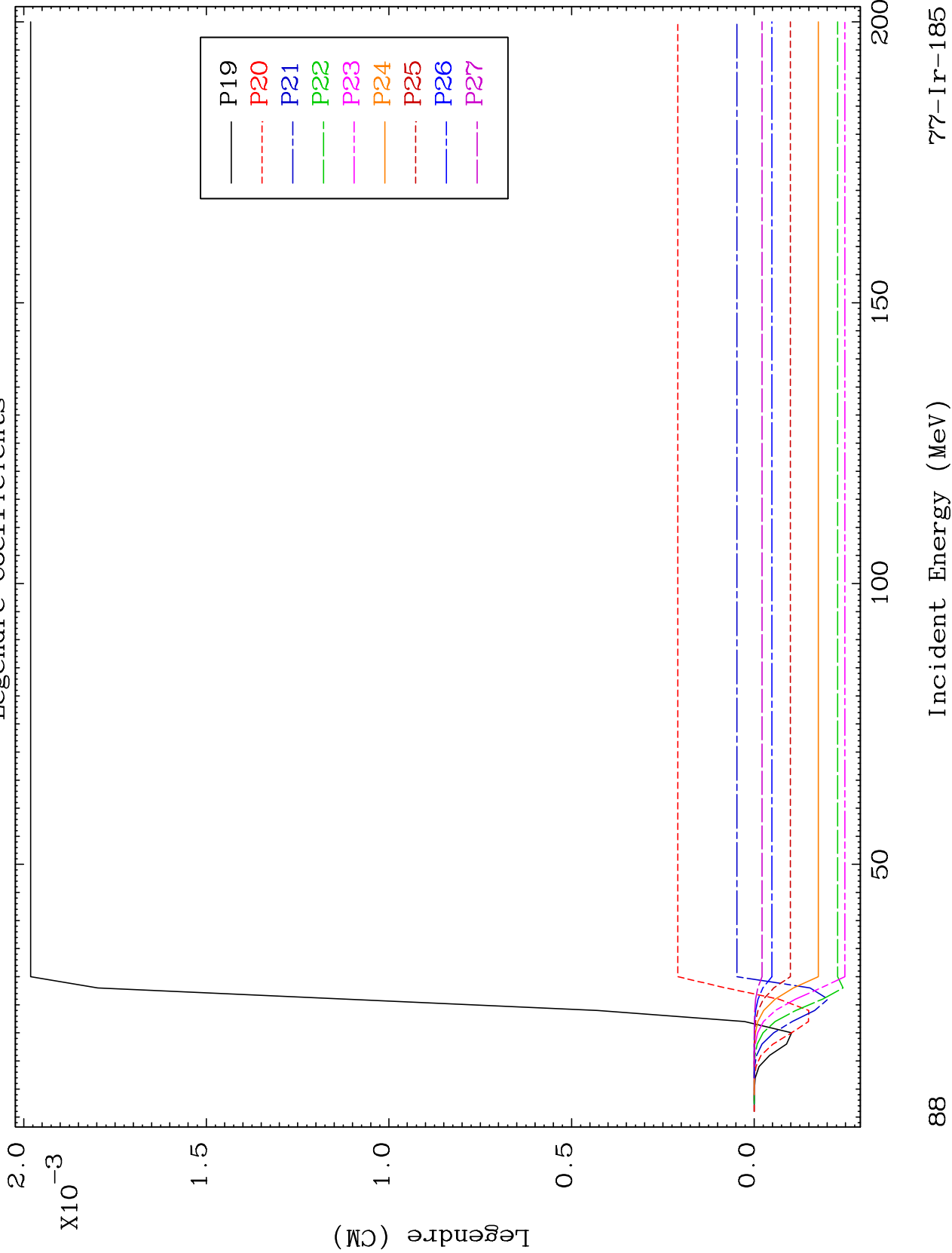
77-Ir-185

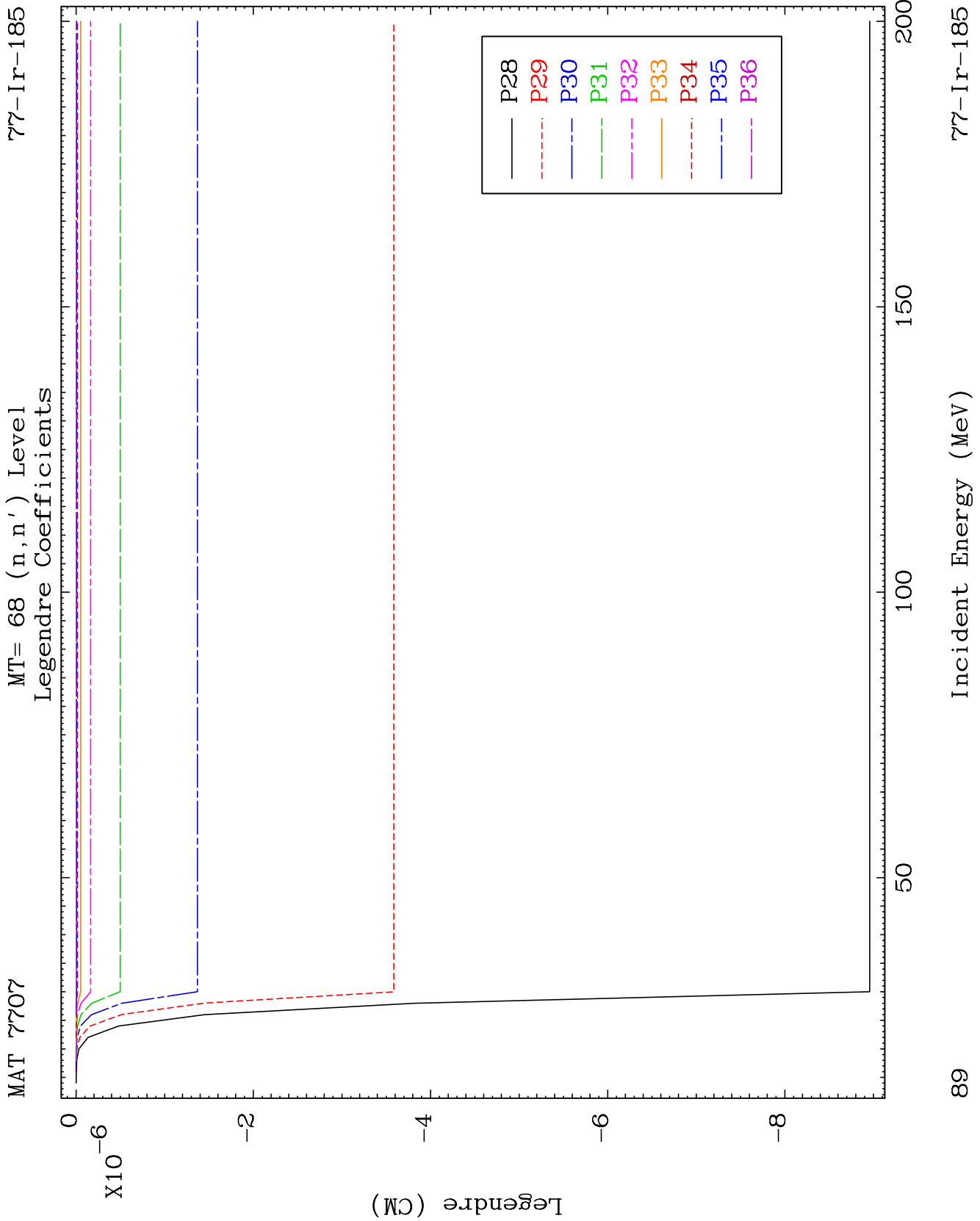


87

Incident Energy (MeV)

77-Ir-185

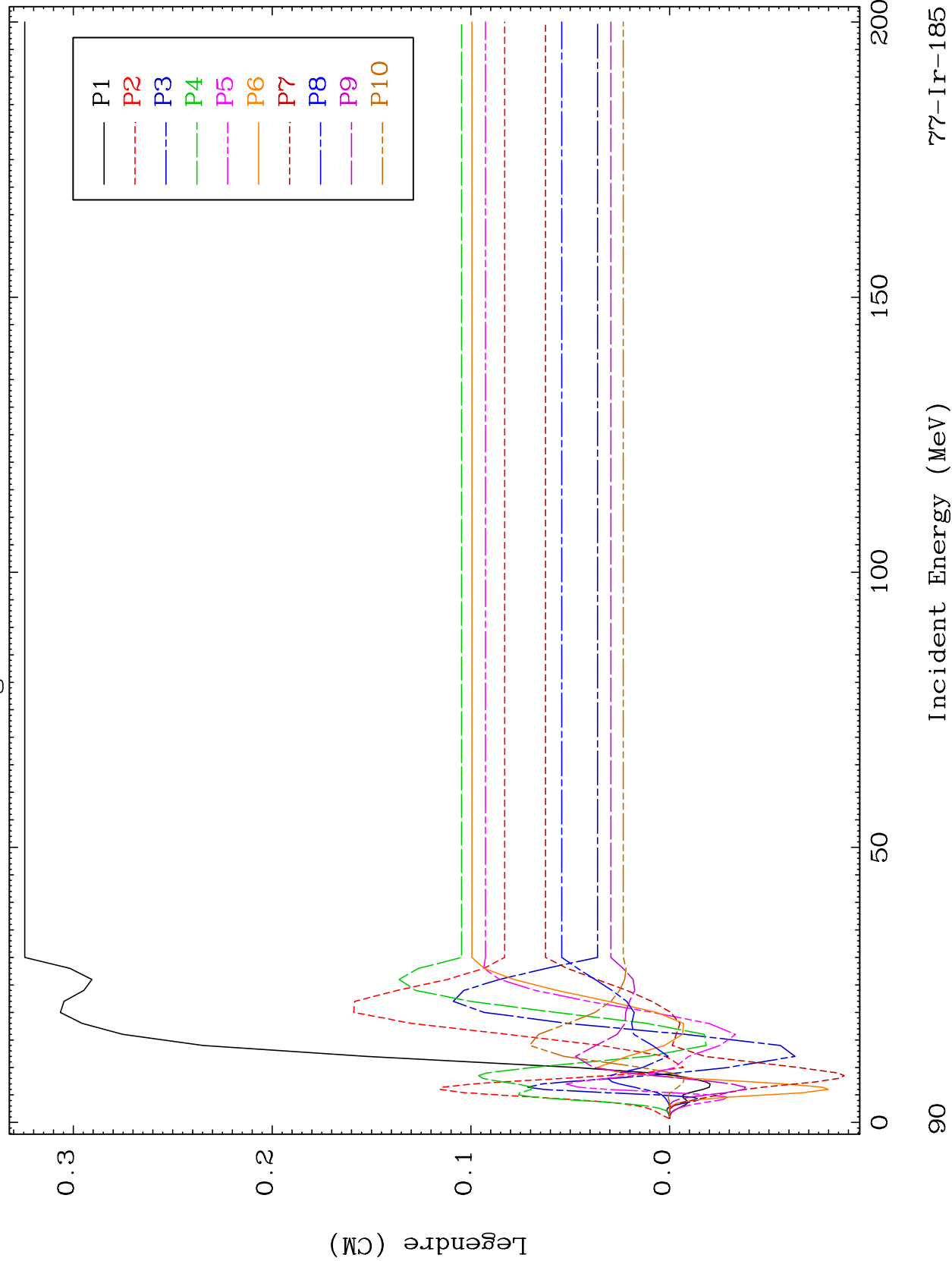




MAT 7707

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

77-Ir-185

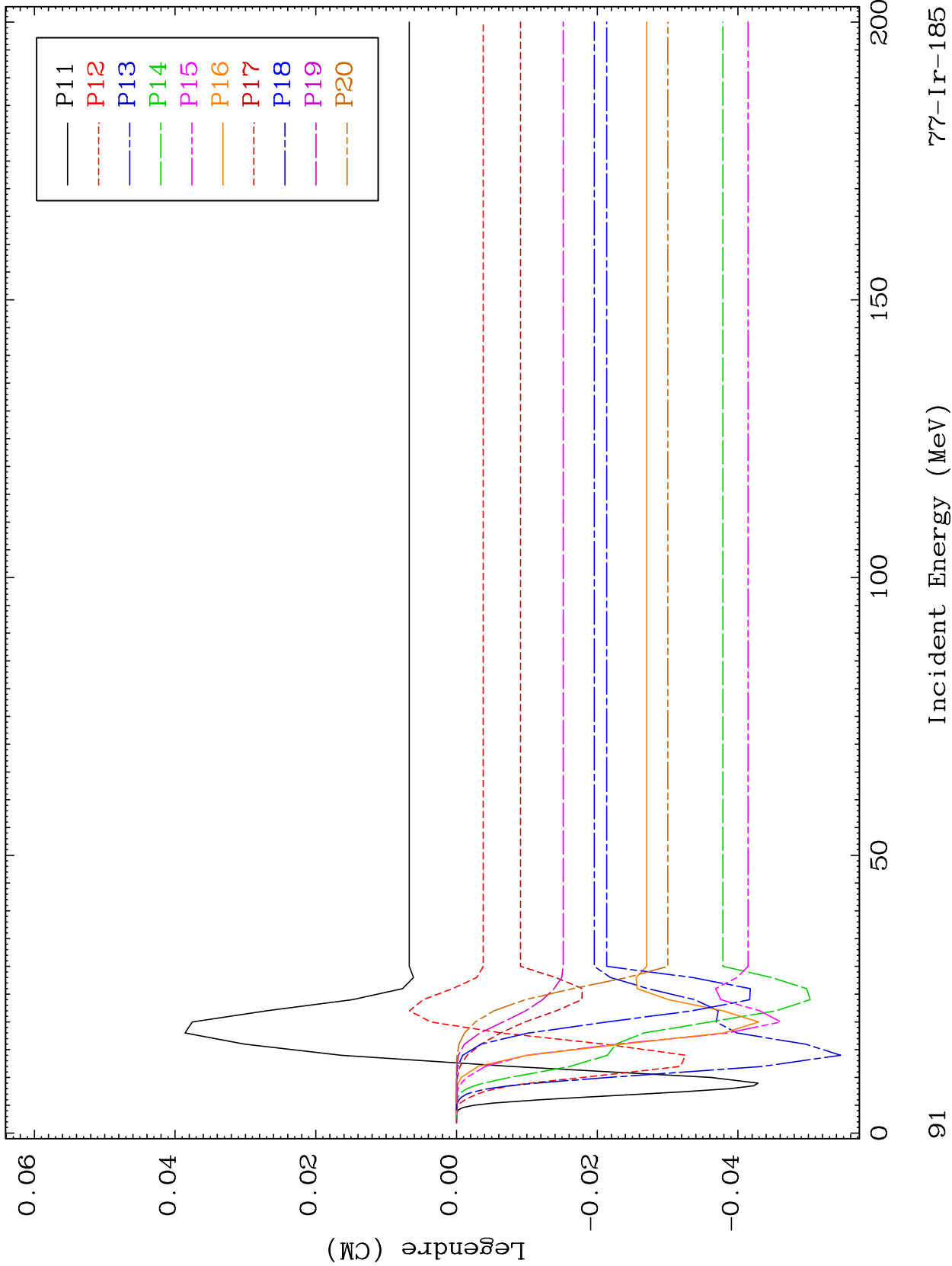


77-Ir-185

MAT 7707

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

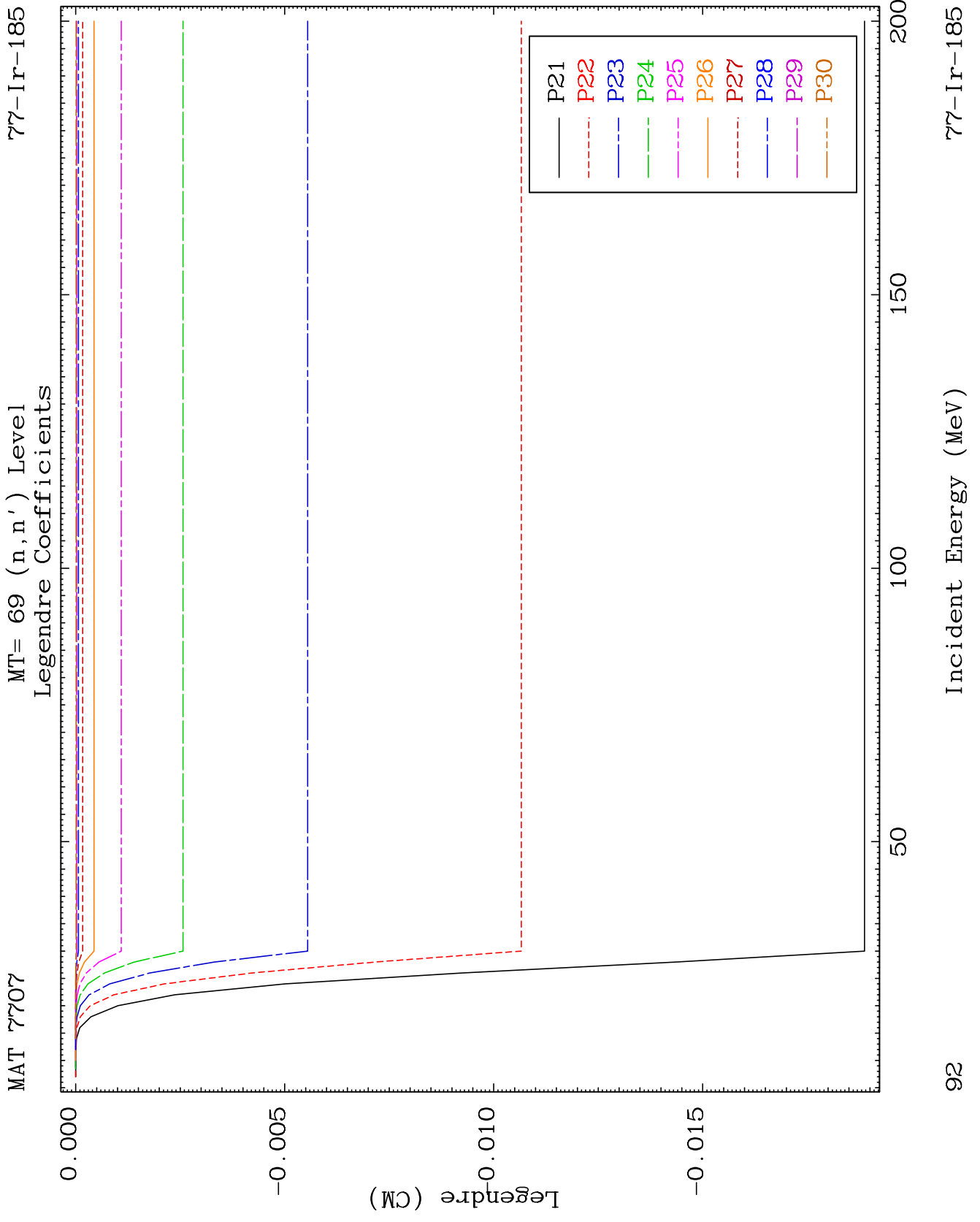
77-Ir-185

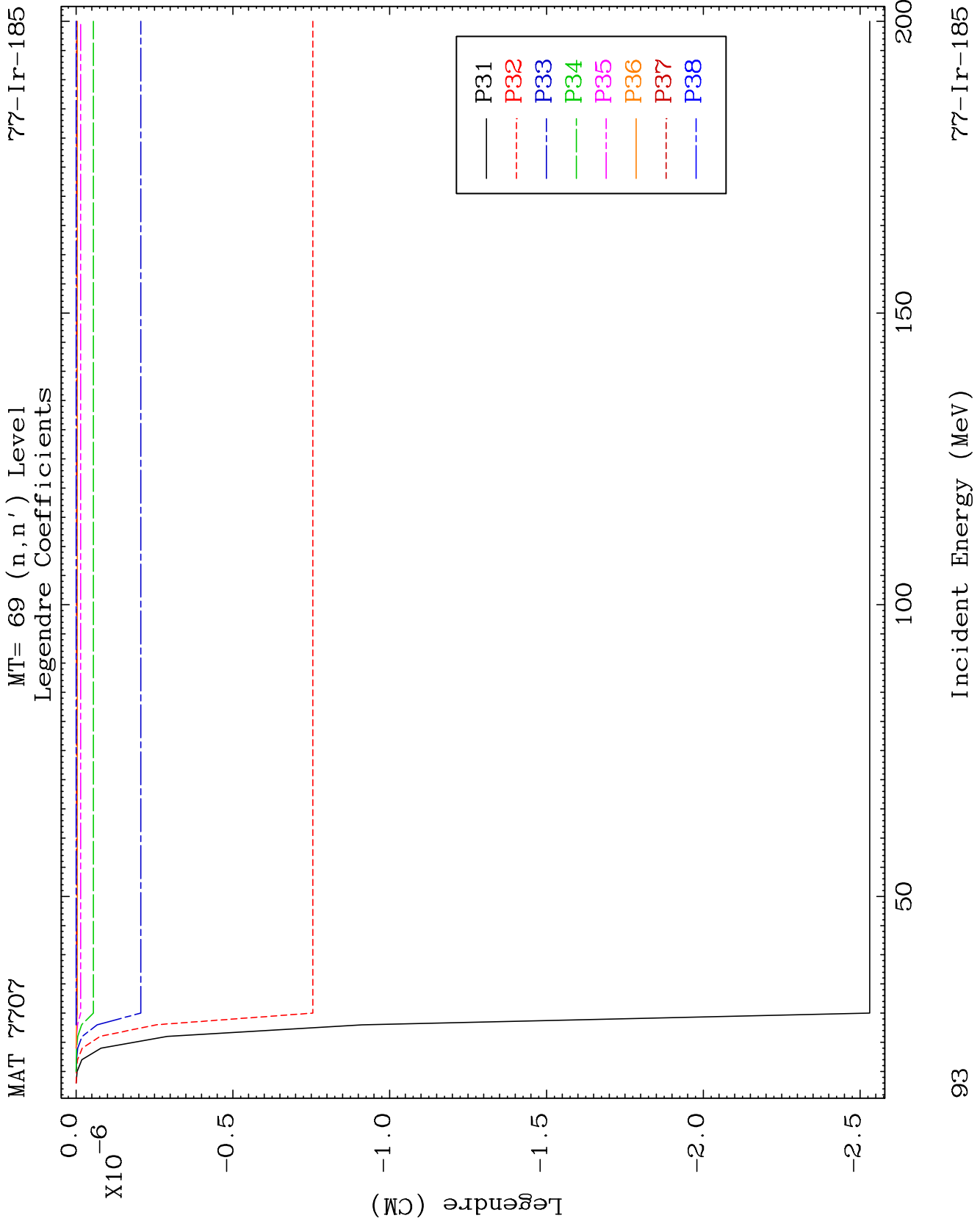


91

Incident Energy (MeV)

77-Ir-185

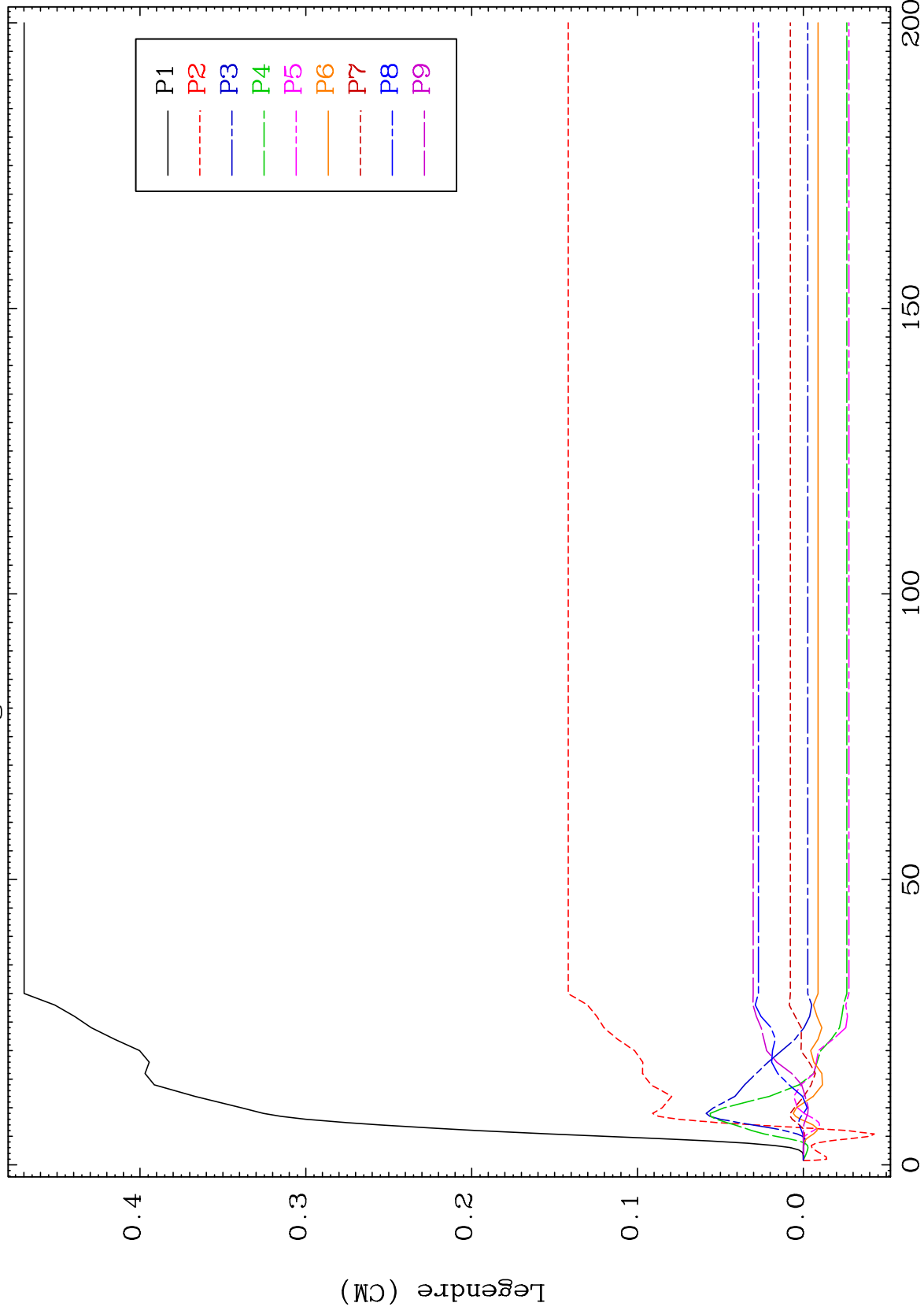




MAT 7707

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

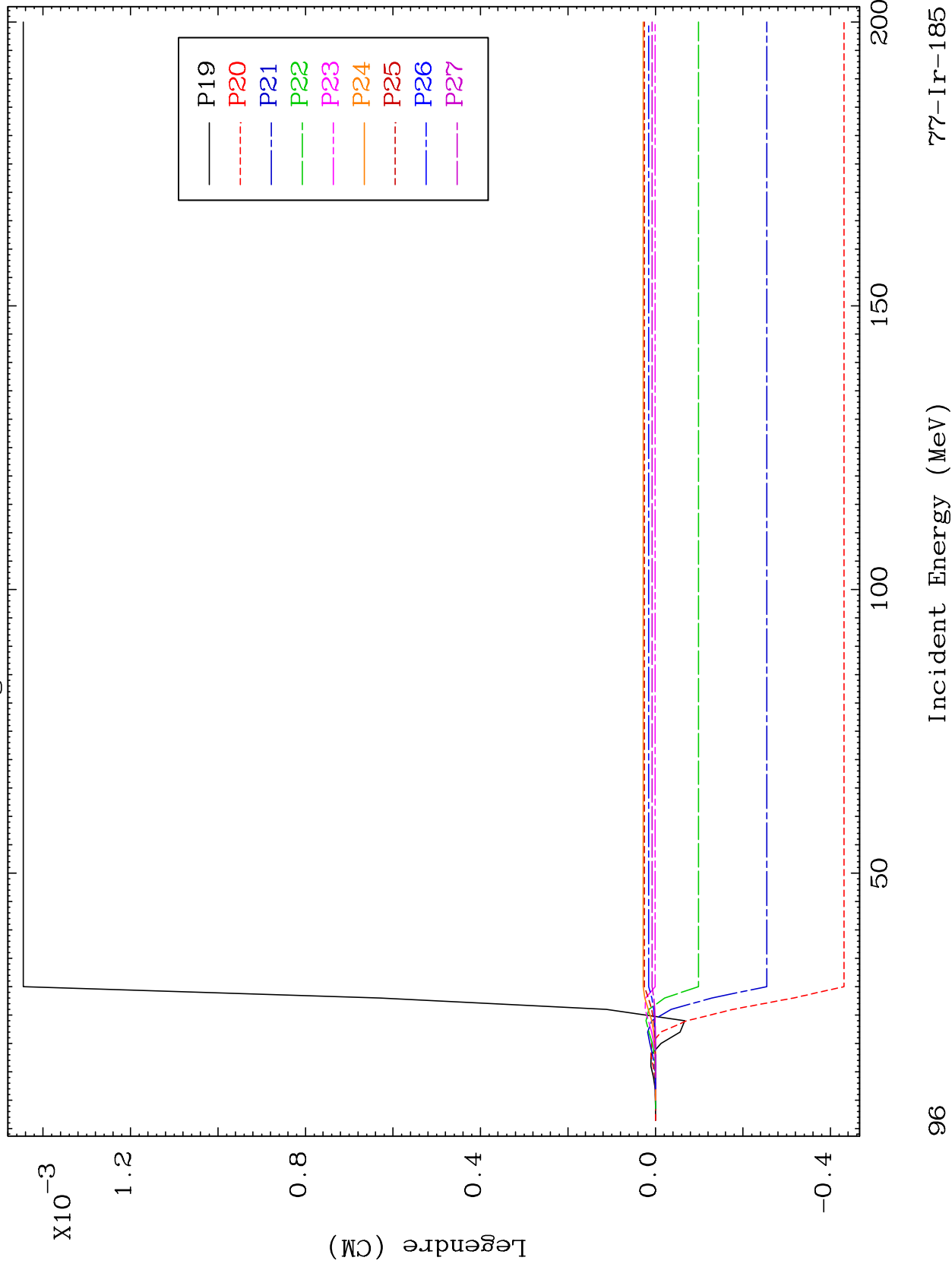
77-Ir-185



94

Incident Energy (MeV)

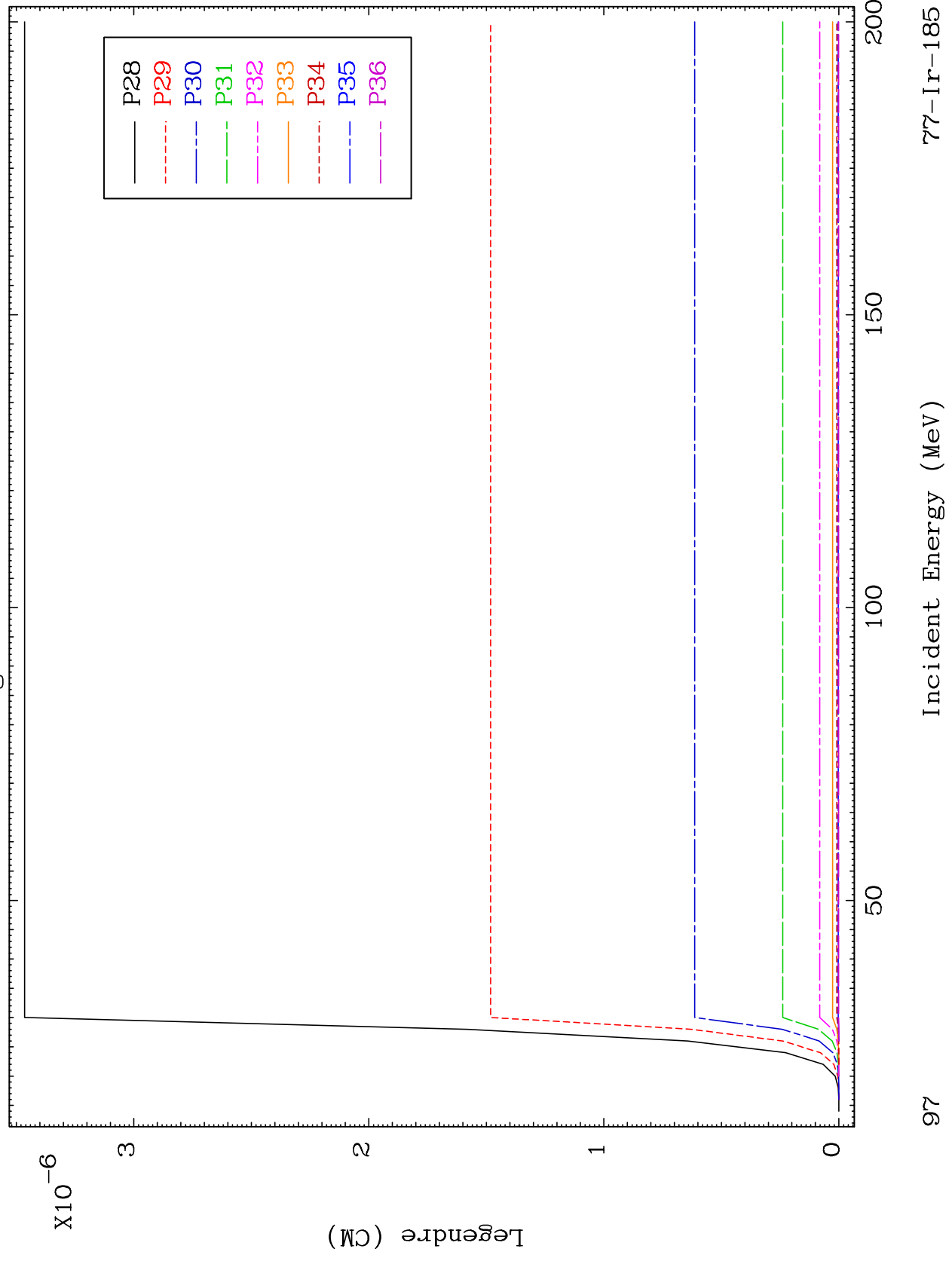
77-Ir-185



MAT 7707

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

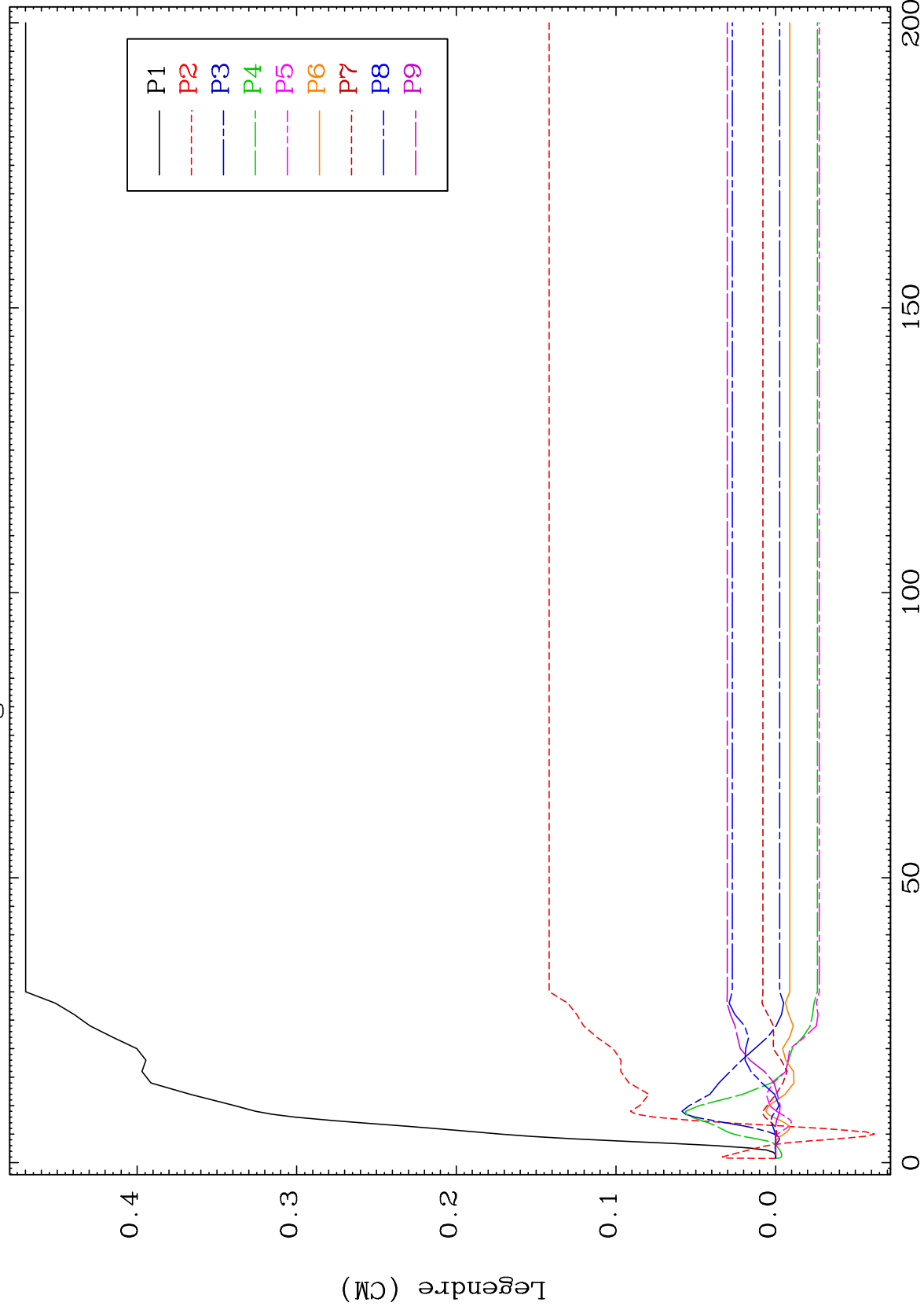
77-Ir-185



MAT 7707

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

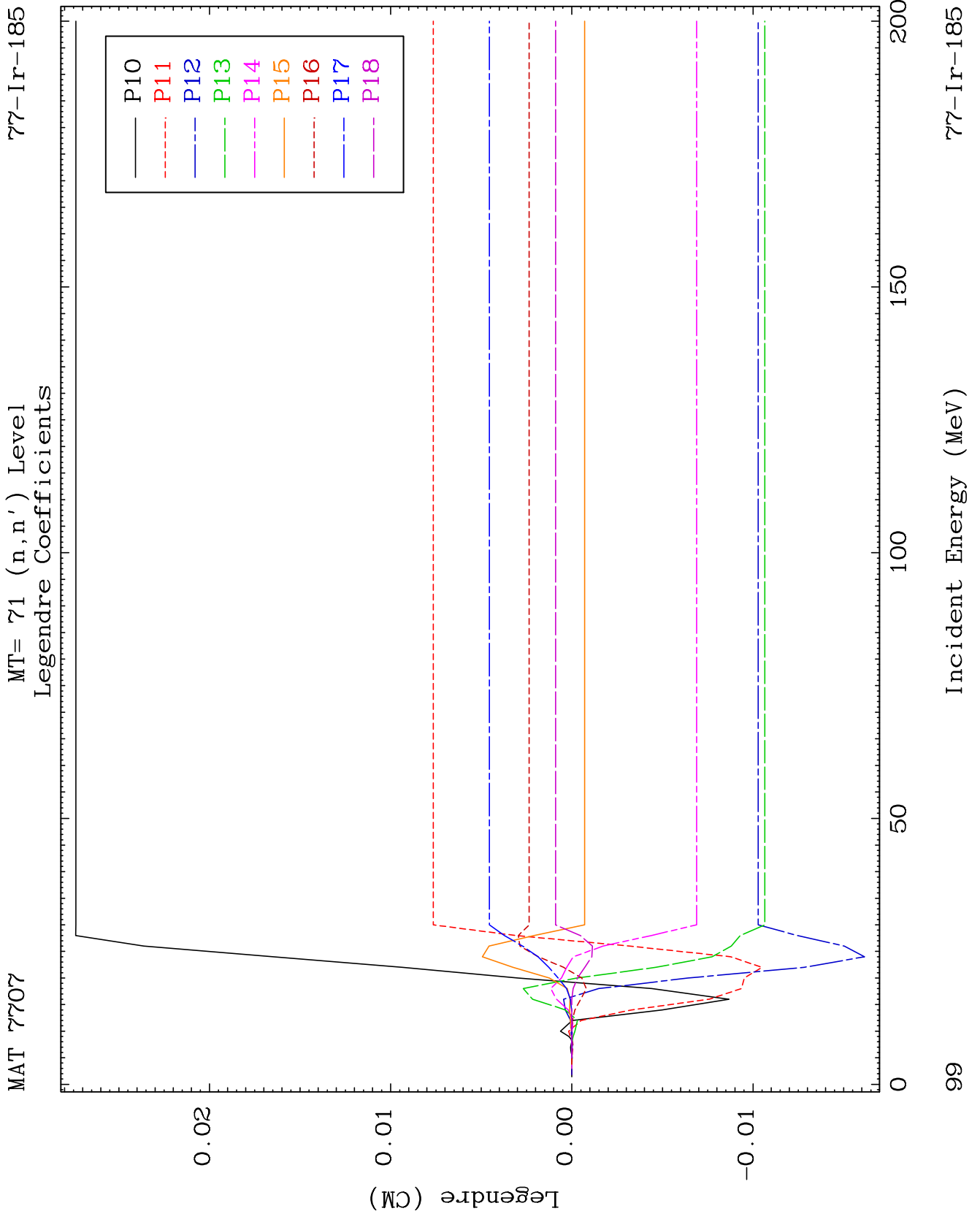
77-Ir-185



98

Incident Energy (MeV)

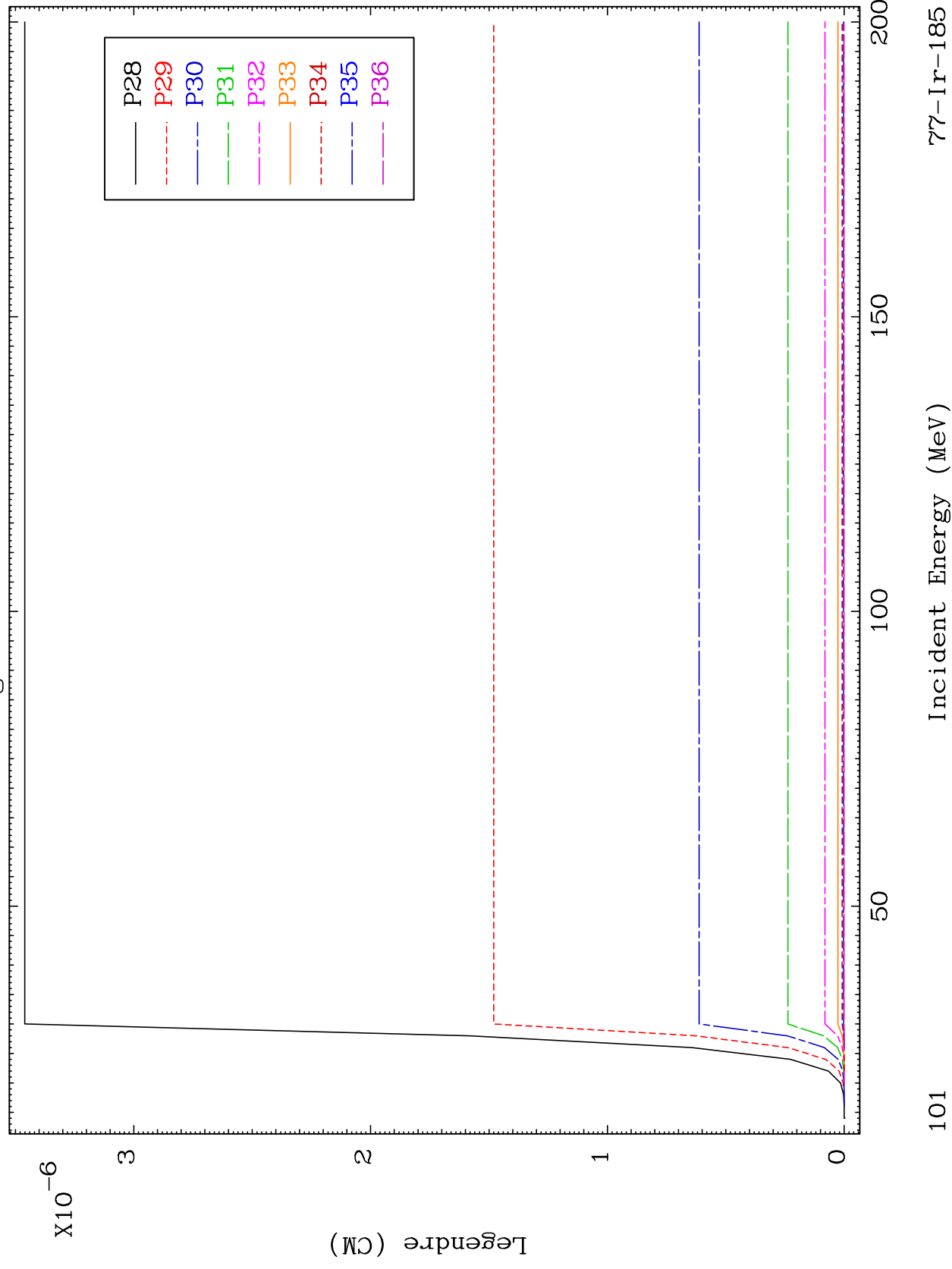
77-Ir-185



MAT 7707

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

77-Ir-185



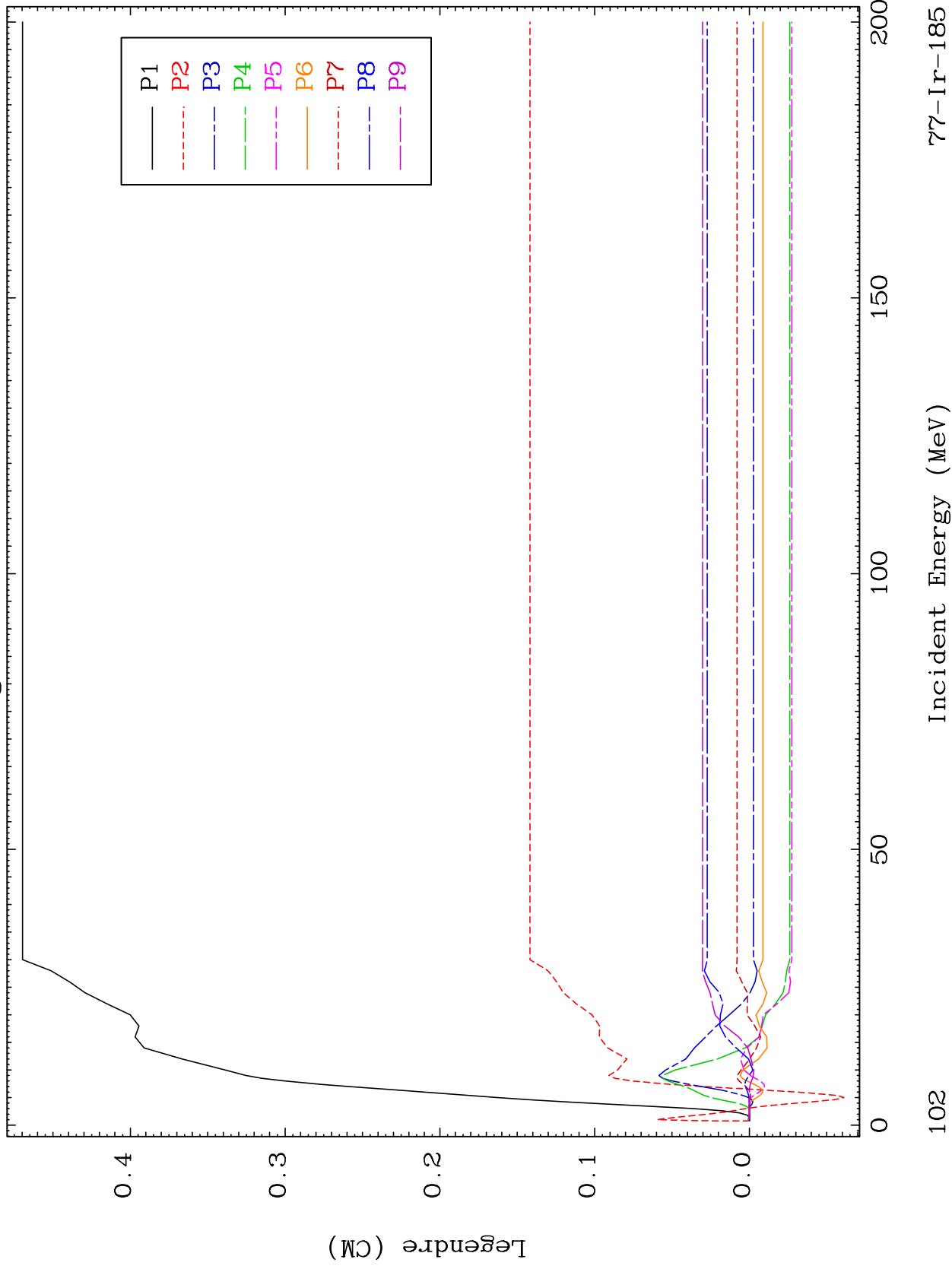
101

77-Ir-185

MAT 7707

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

77-Ir-185



77-Ir-185

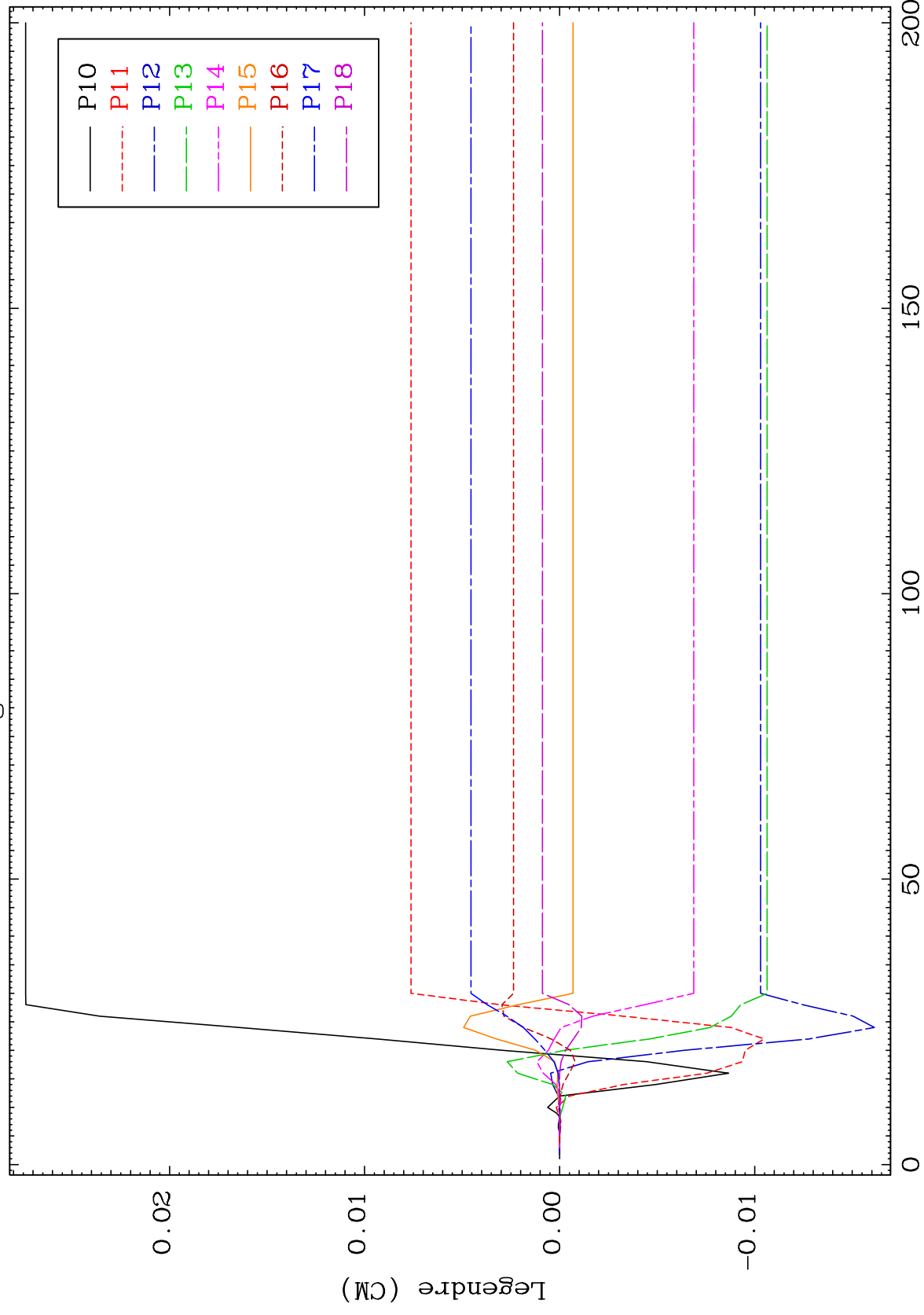
Incident Energy (MeV)

102

MAT 7707

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

77-Ir-185



103

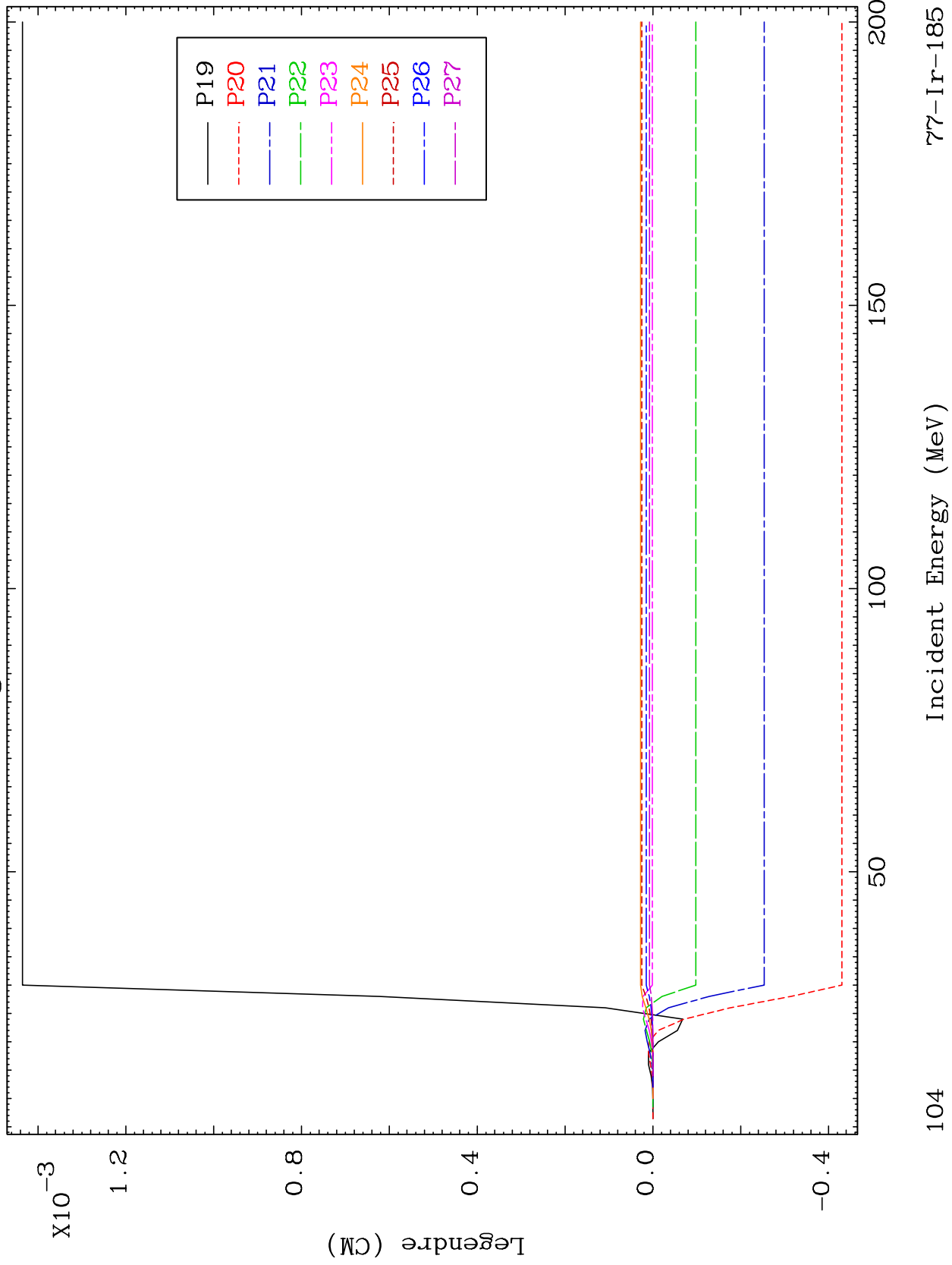
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185

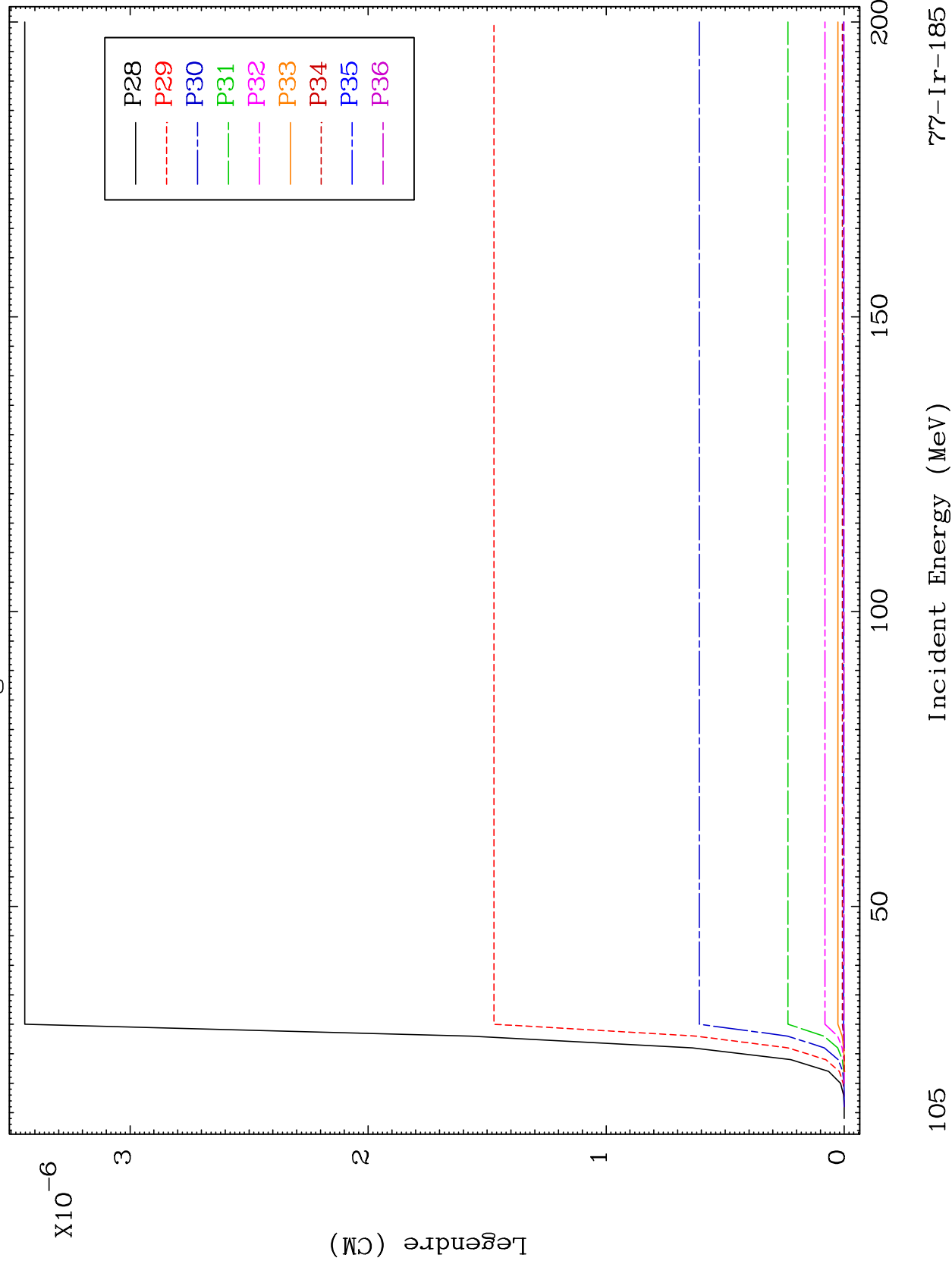


104

MAT 7707

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

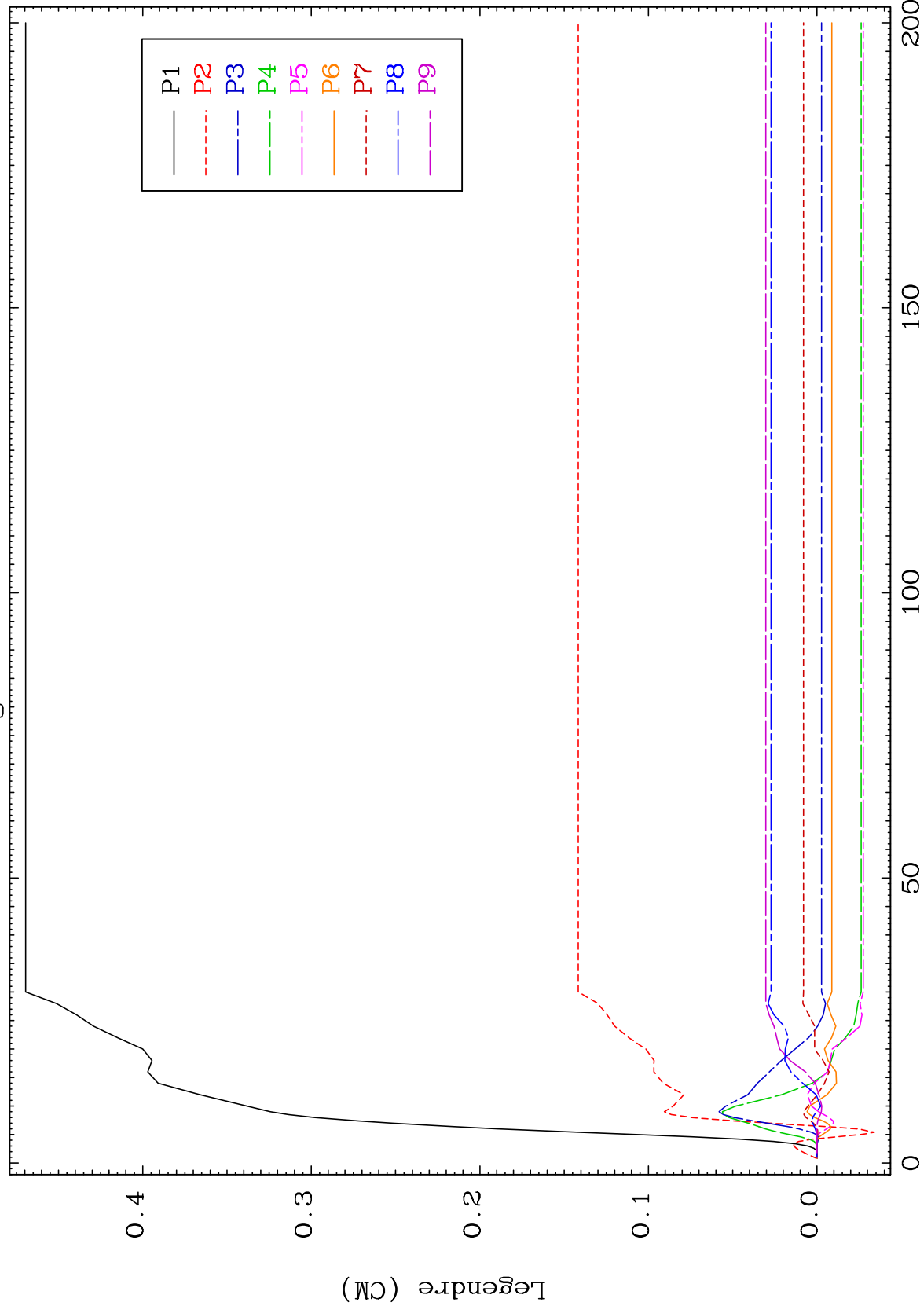
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

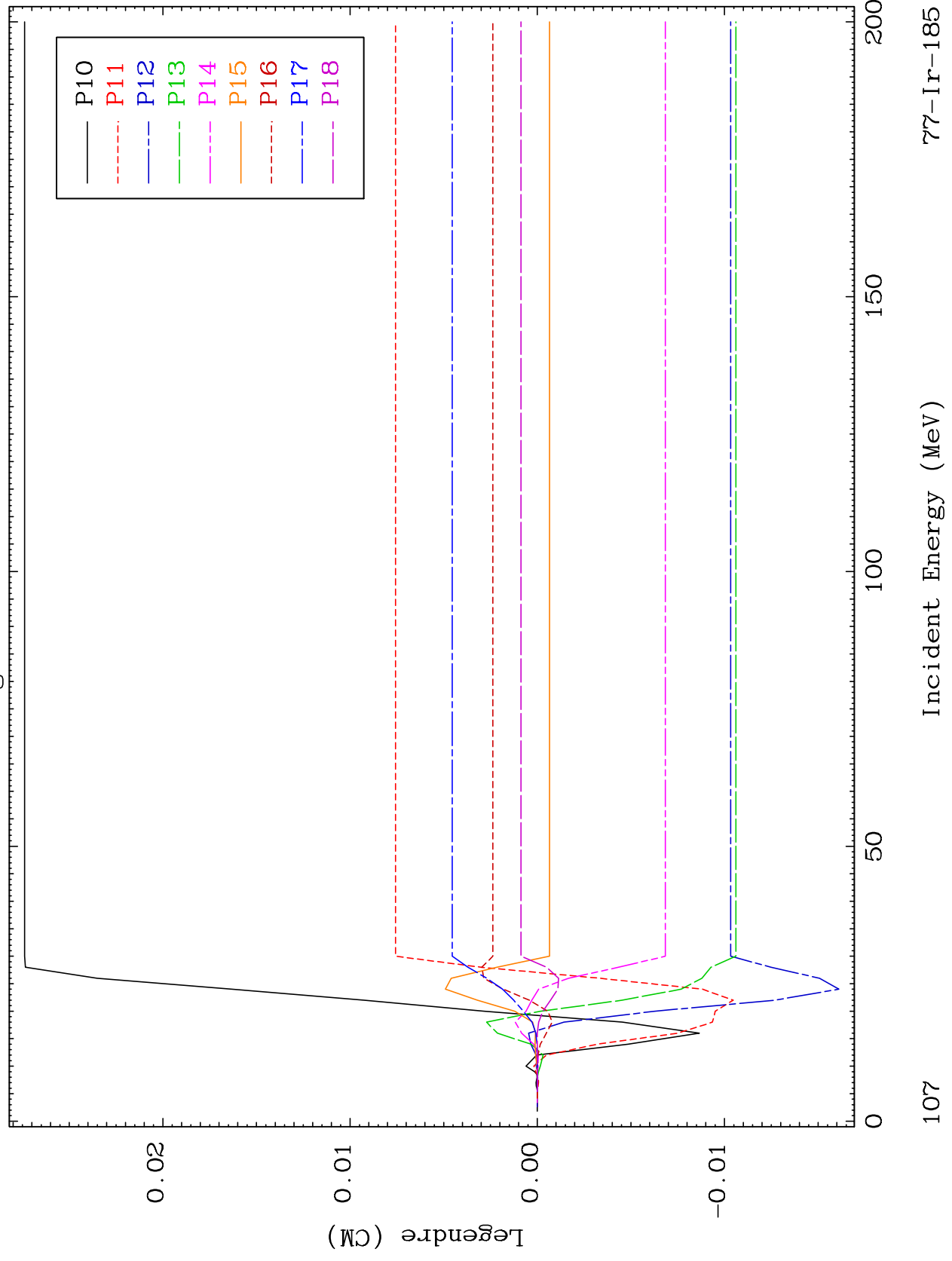
Incident Energy (MeV)

106

MAT 7707

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

77-Ir-185



77-Ir-185

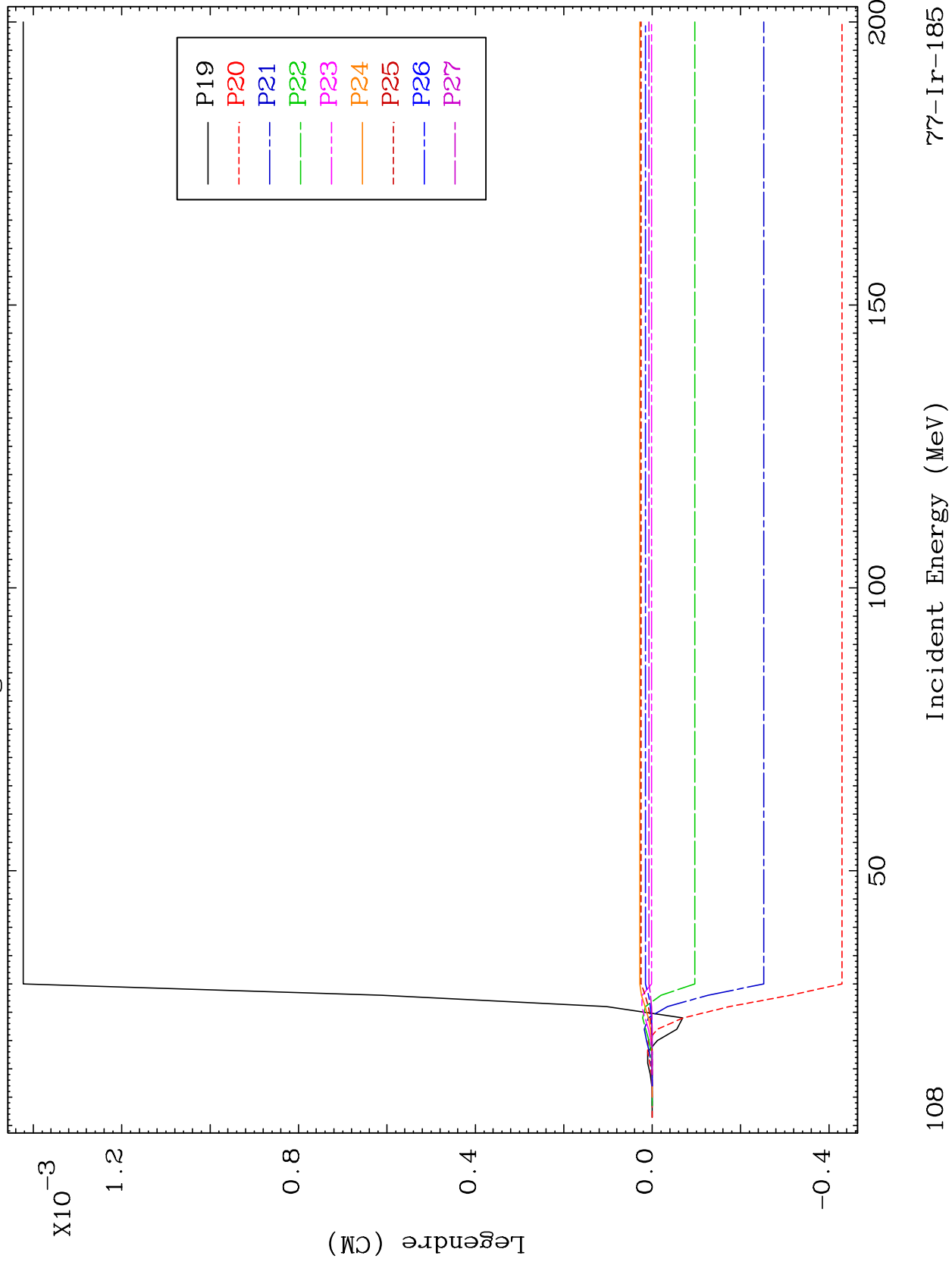
Incident Energy (MeV)

107

MAT 7707

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

77-Ir-185

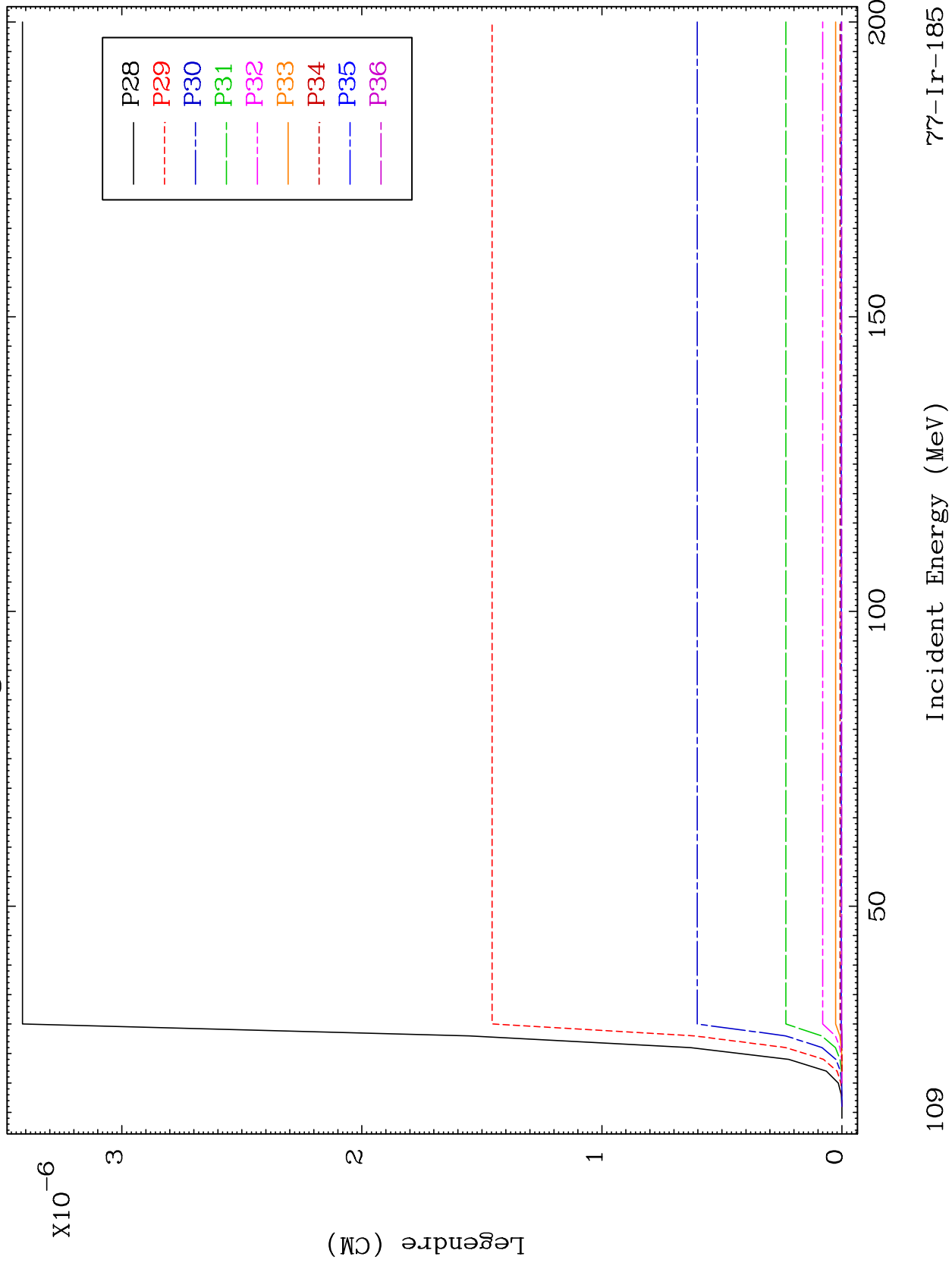


108

MAT 7707

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

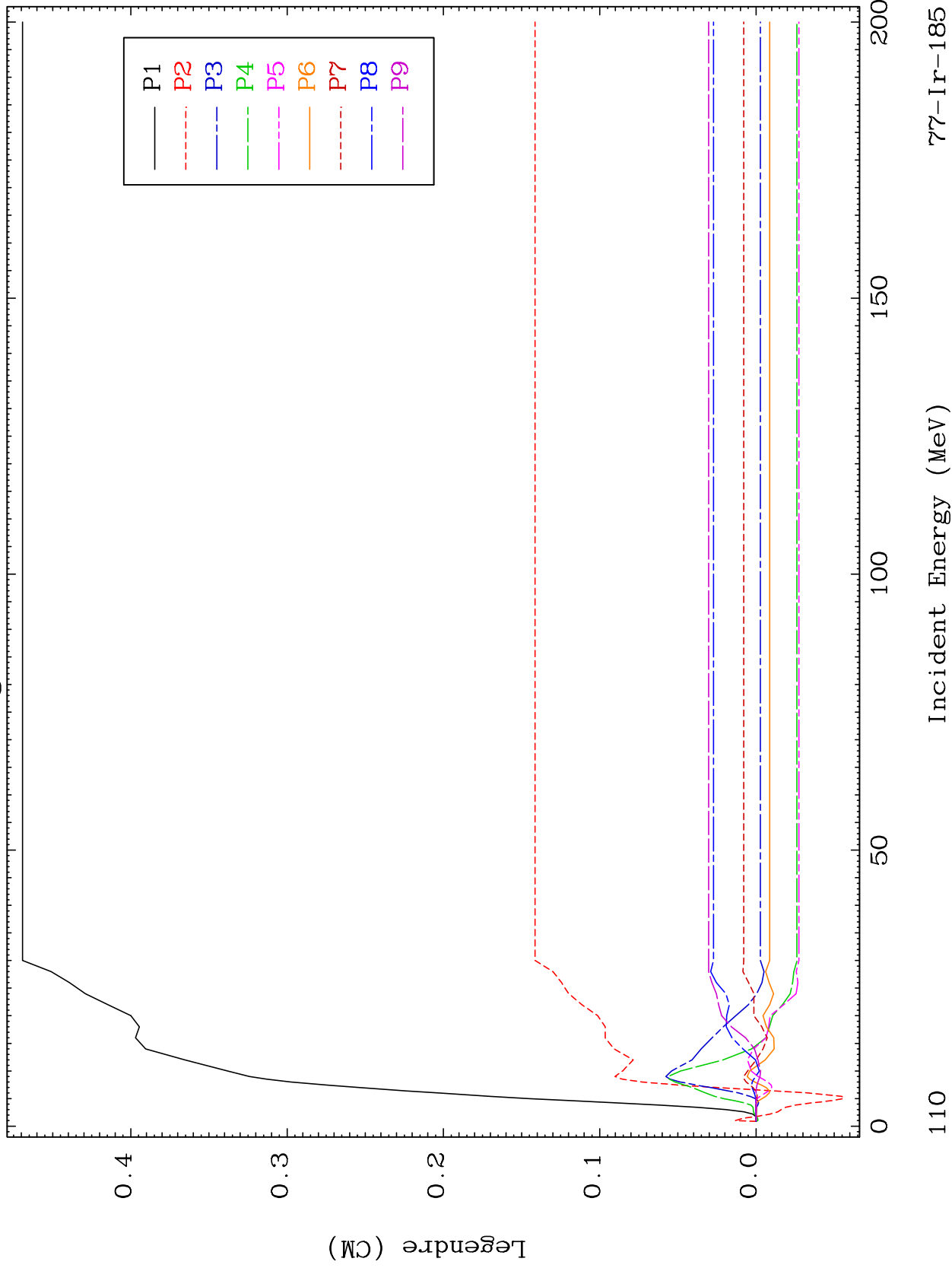
77-Ir-185



MAT 7707

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

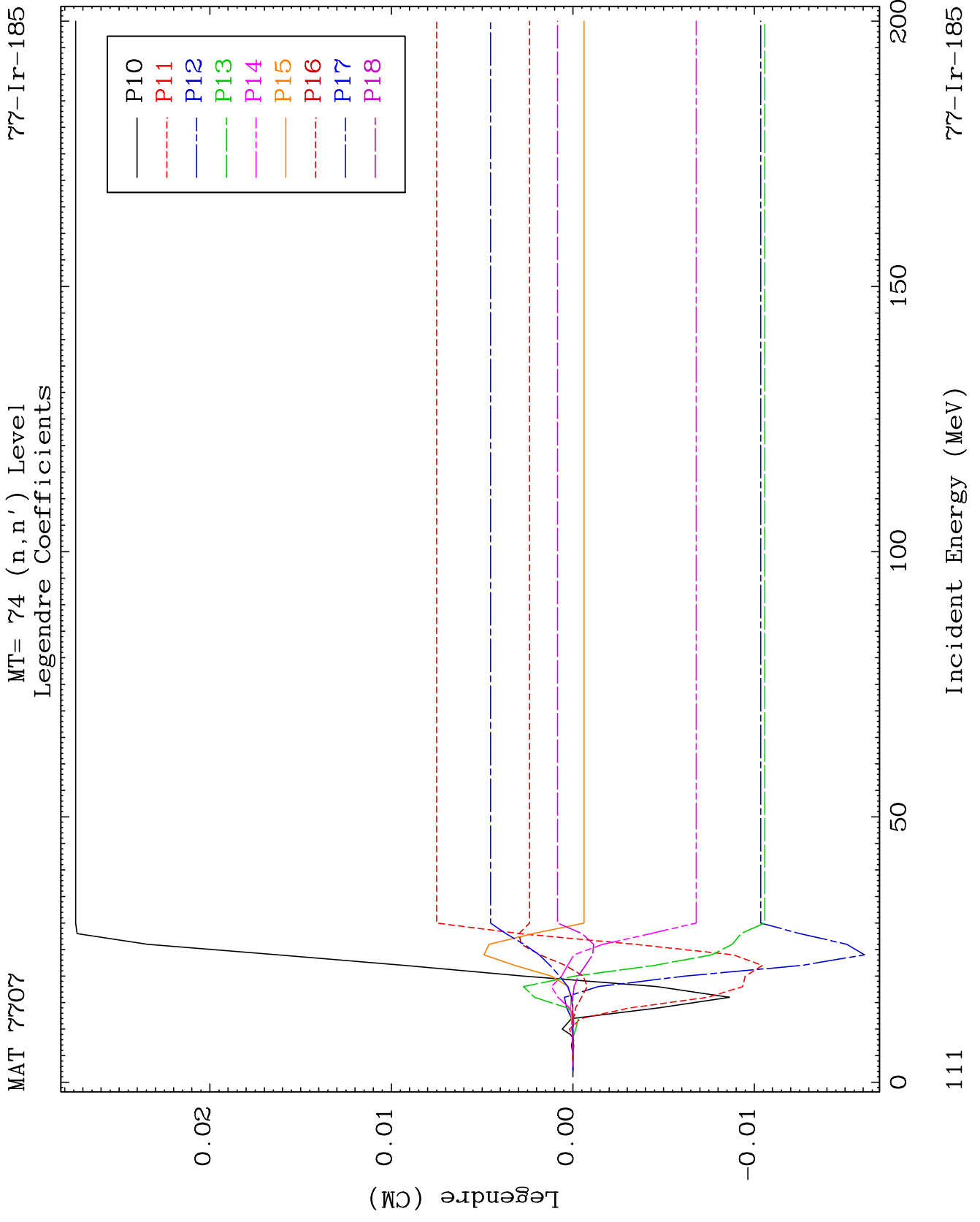
77-Ir-185



77-Ir-185

Incident Energy (MeV)

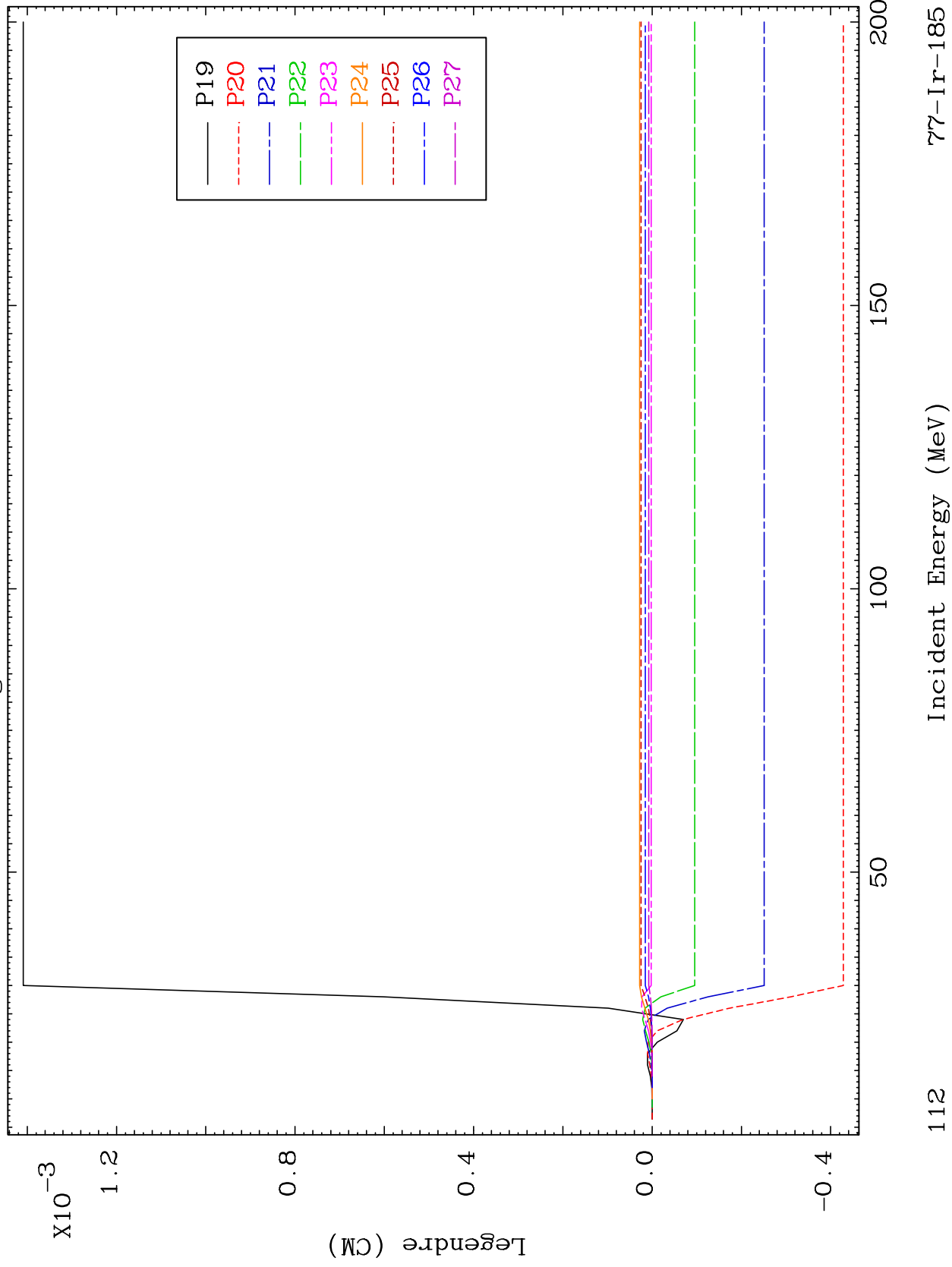
110



MAT 7707

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

77-Ir-185

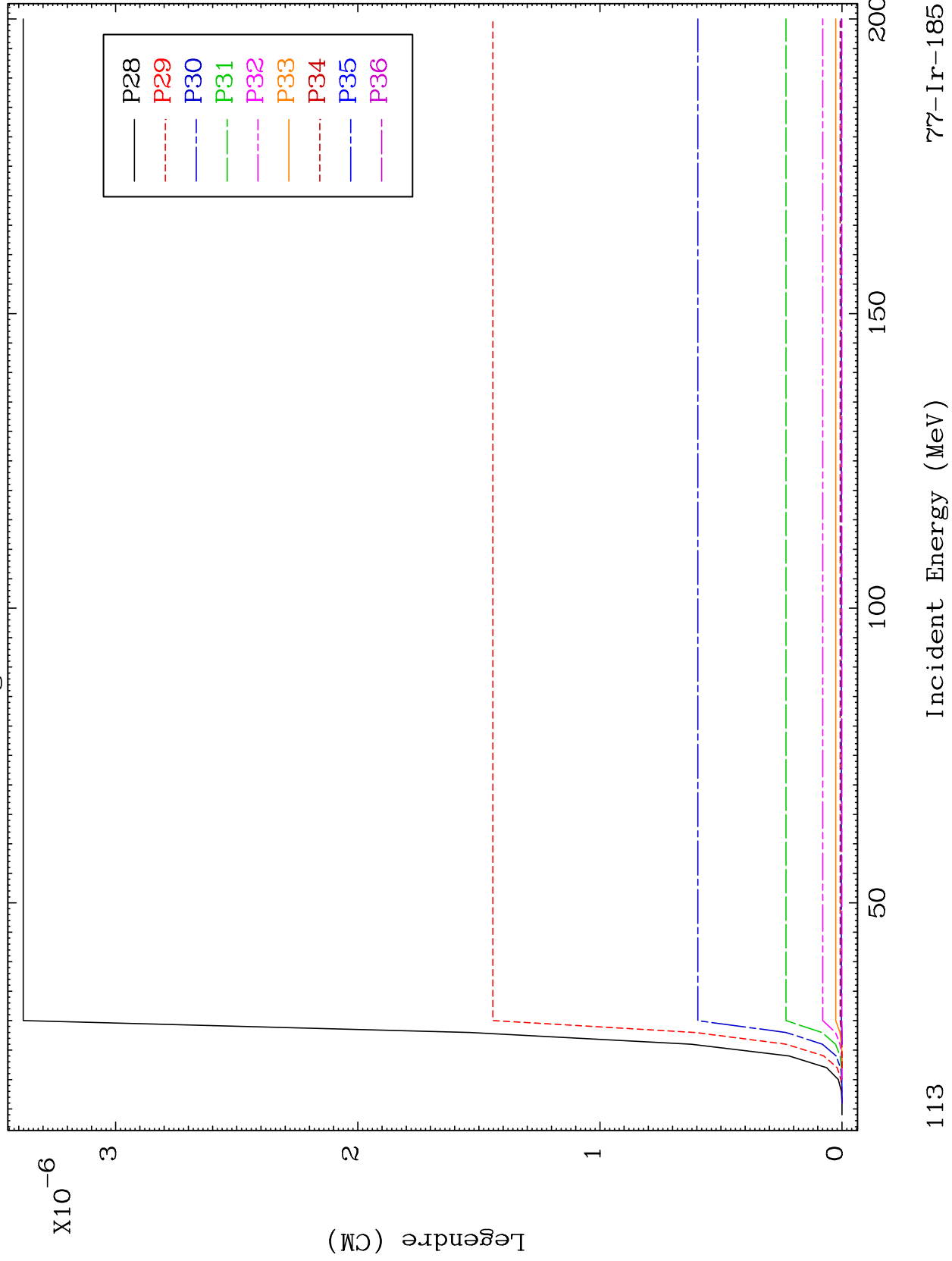


112

MAT 7707

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

77-Ir-185



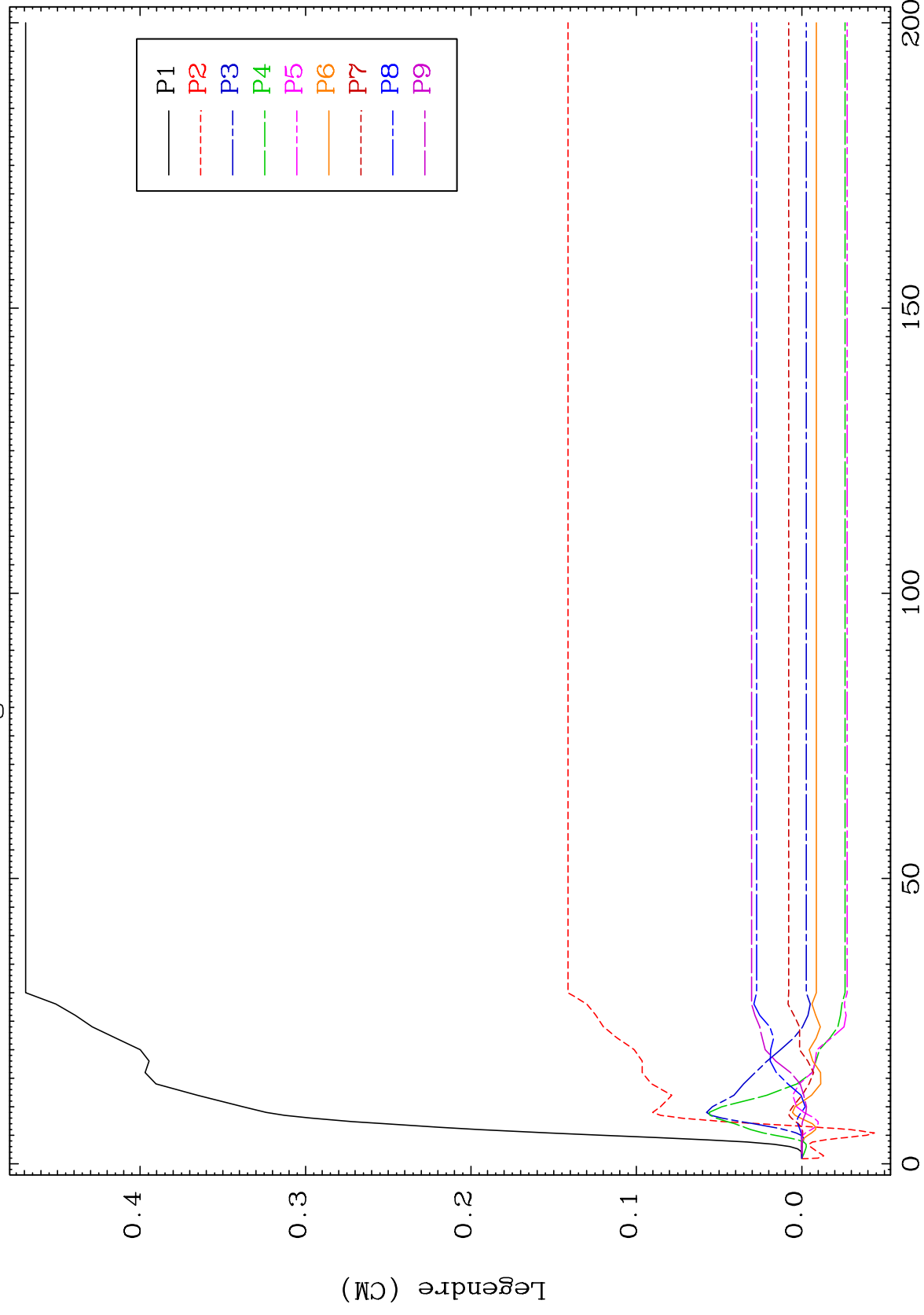
113

77-Ir-185

MAT 7707

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

77-Ir-185



114

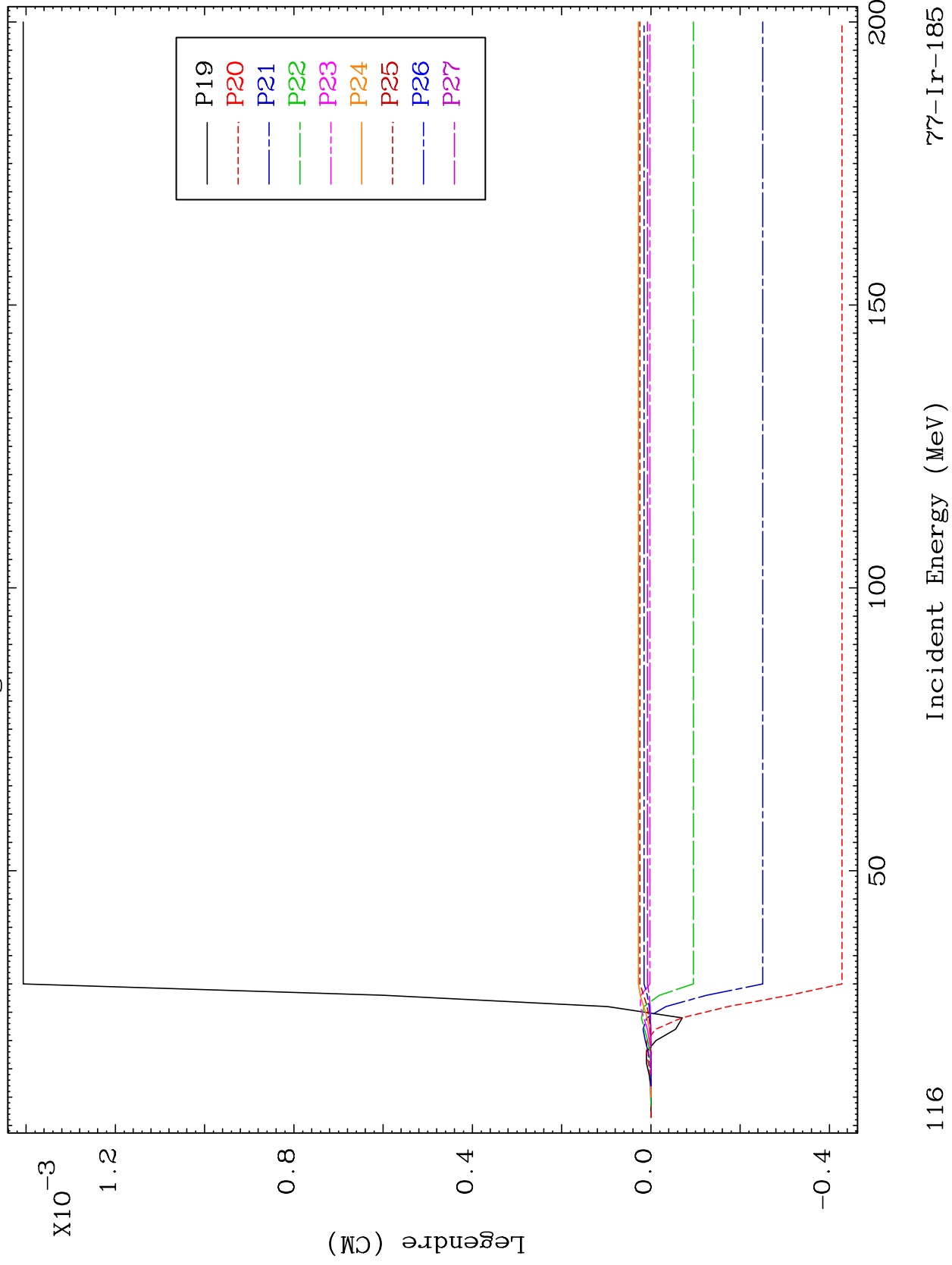
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

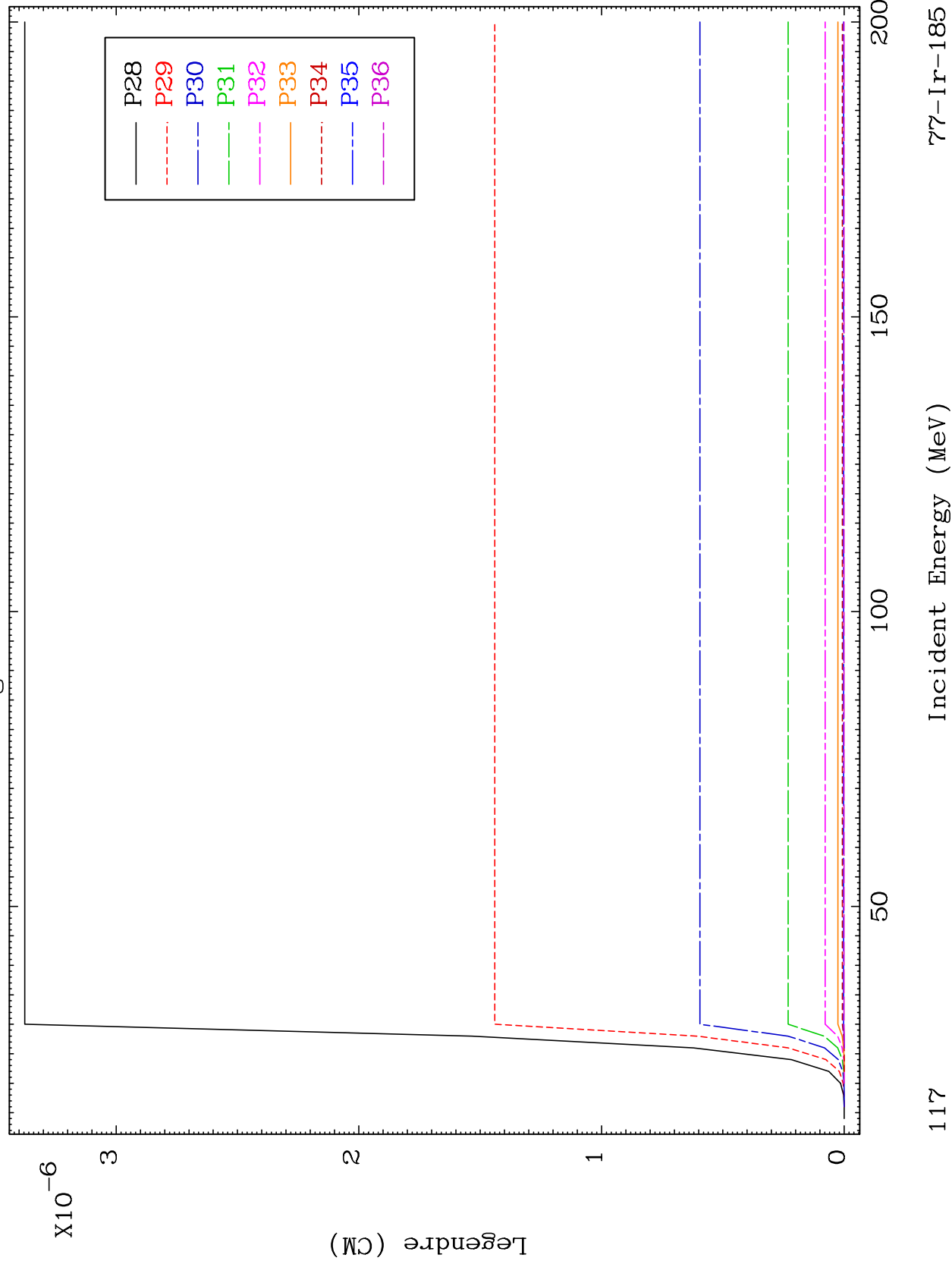
77-Ir-185



MAT 7707

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

77-Ir-185



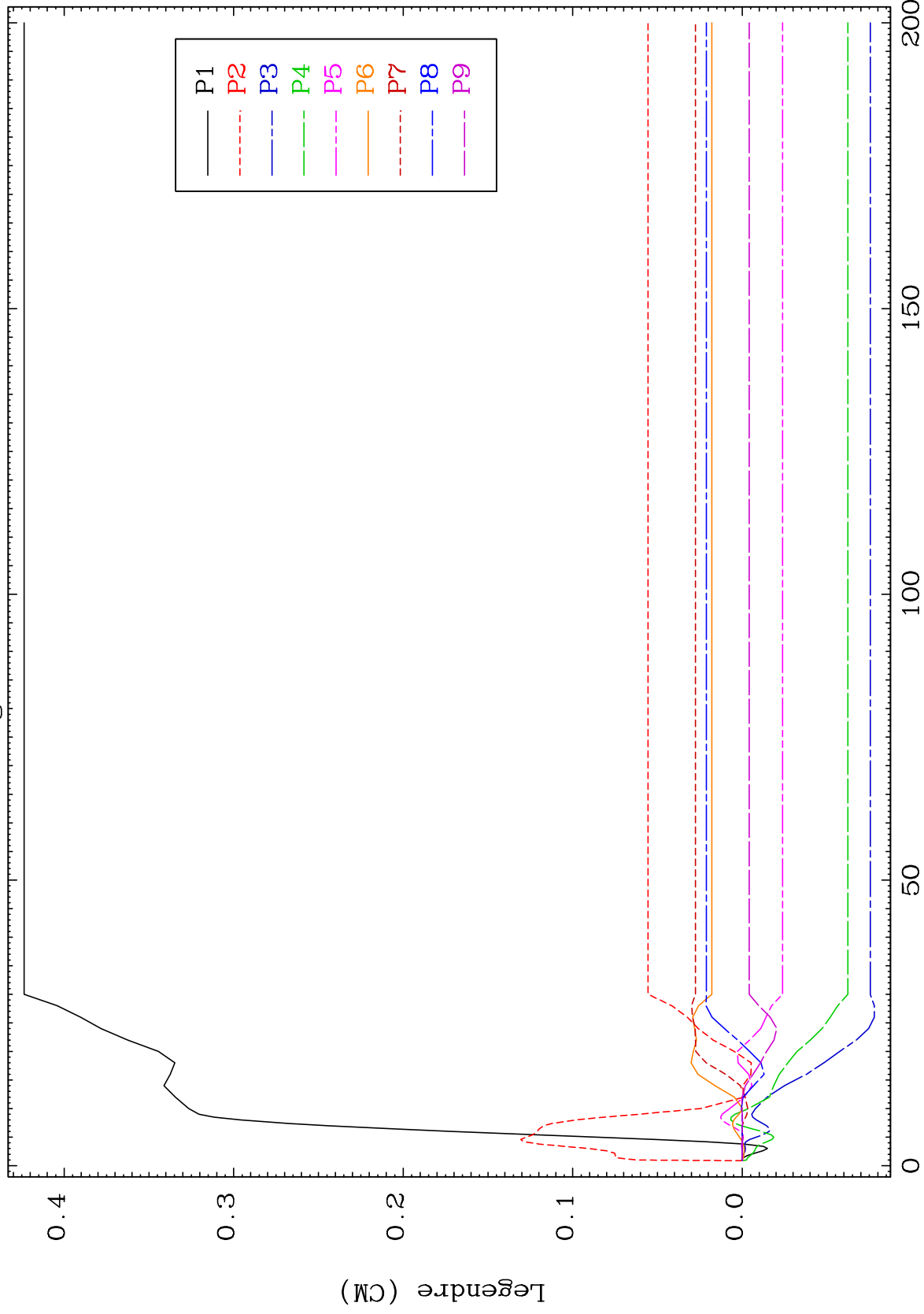
117

77-Ir-185

MAT 7707

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

77-Ir-185



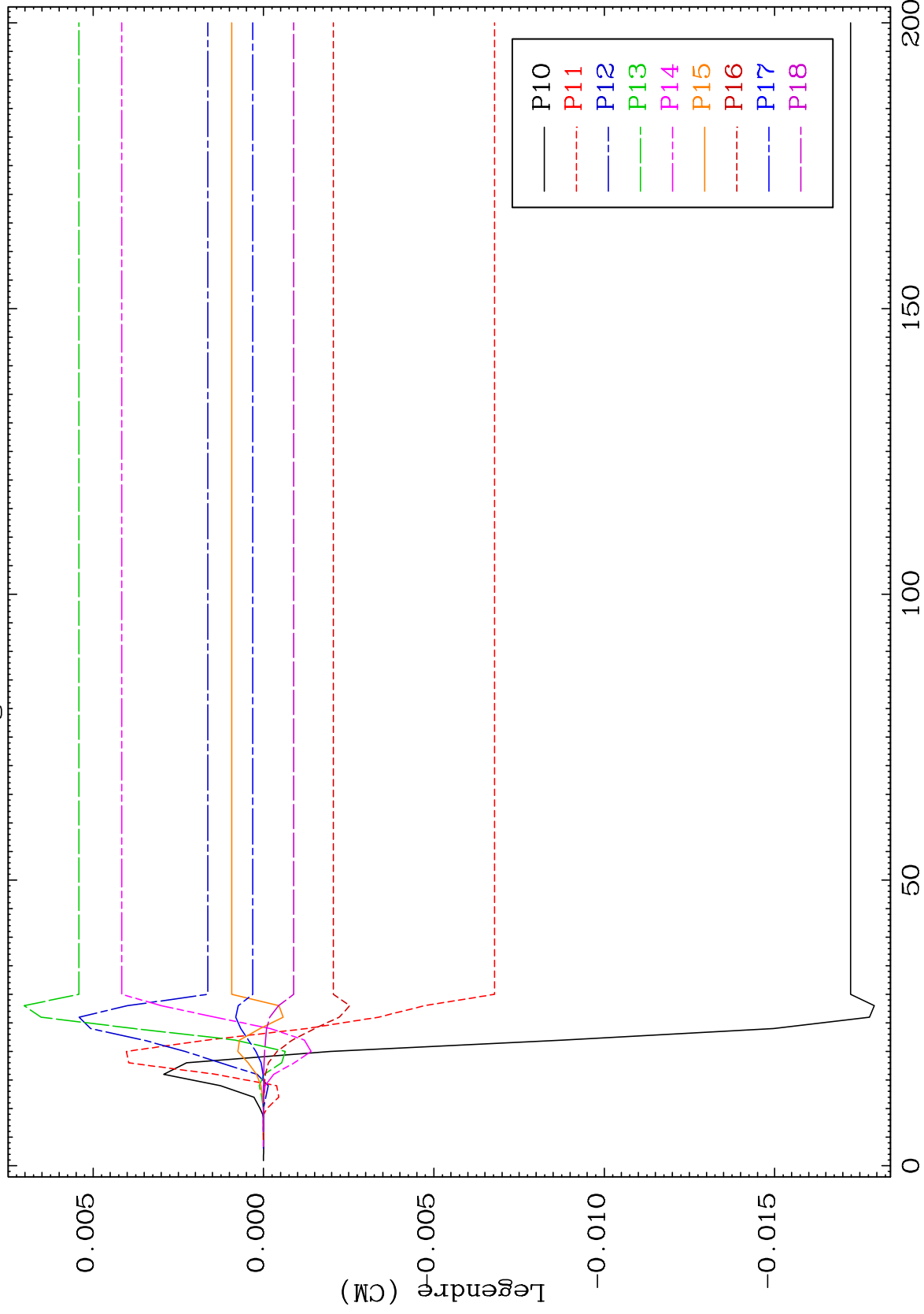
118

77-Ir-185

MAT 7707

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

77-Ir-185



119

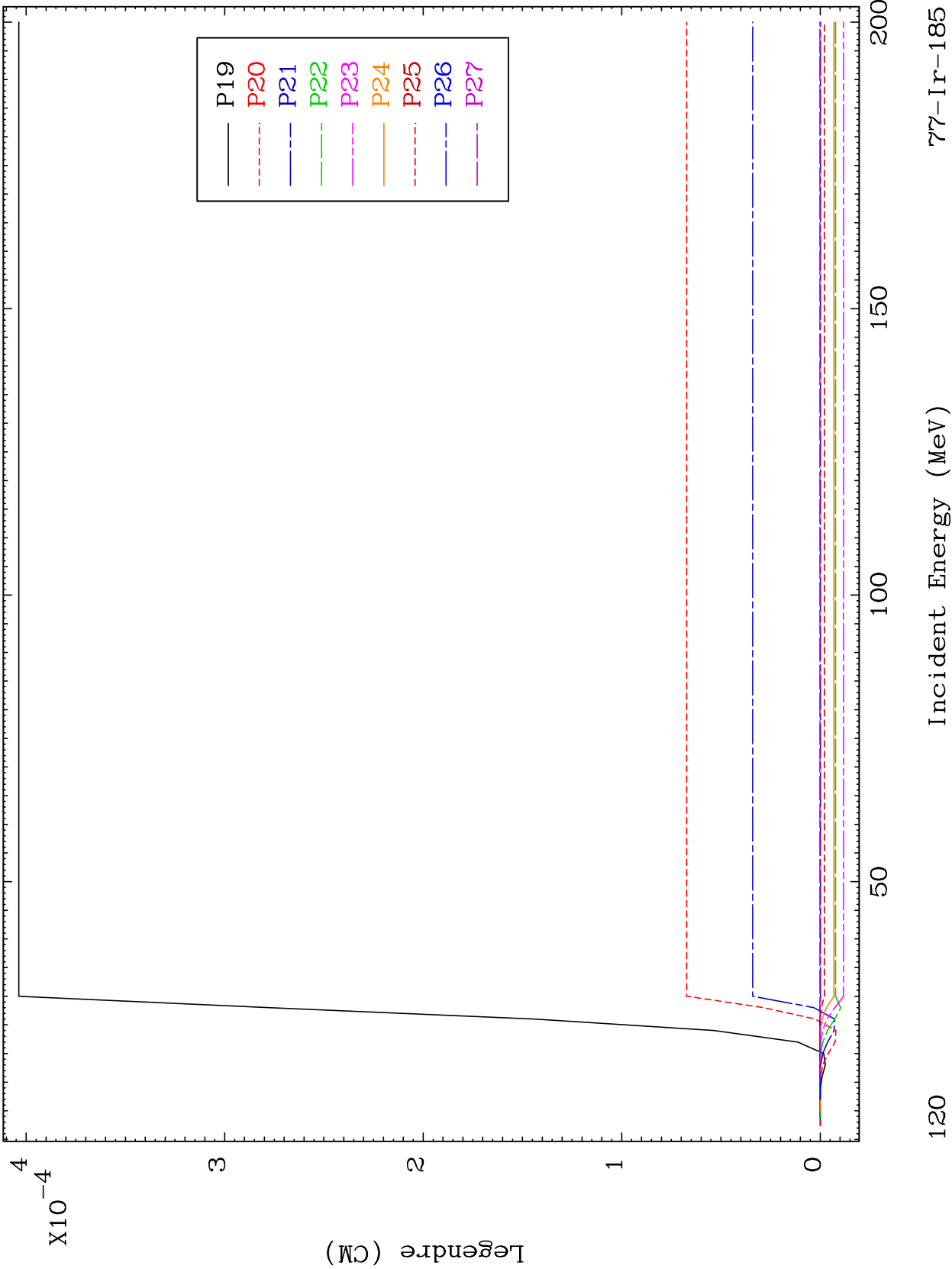
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



120

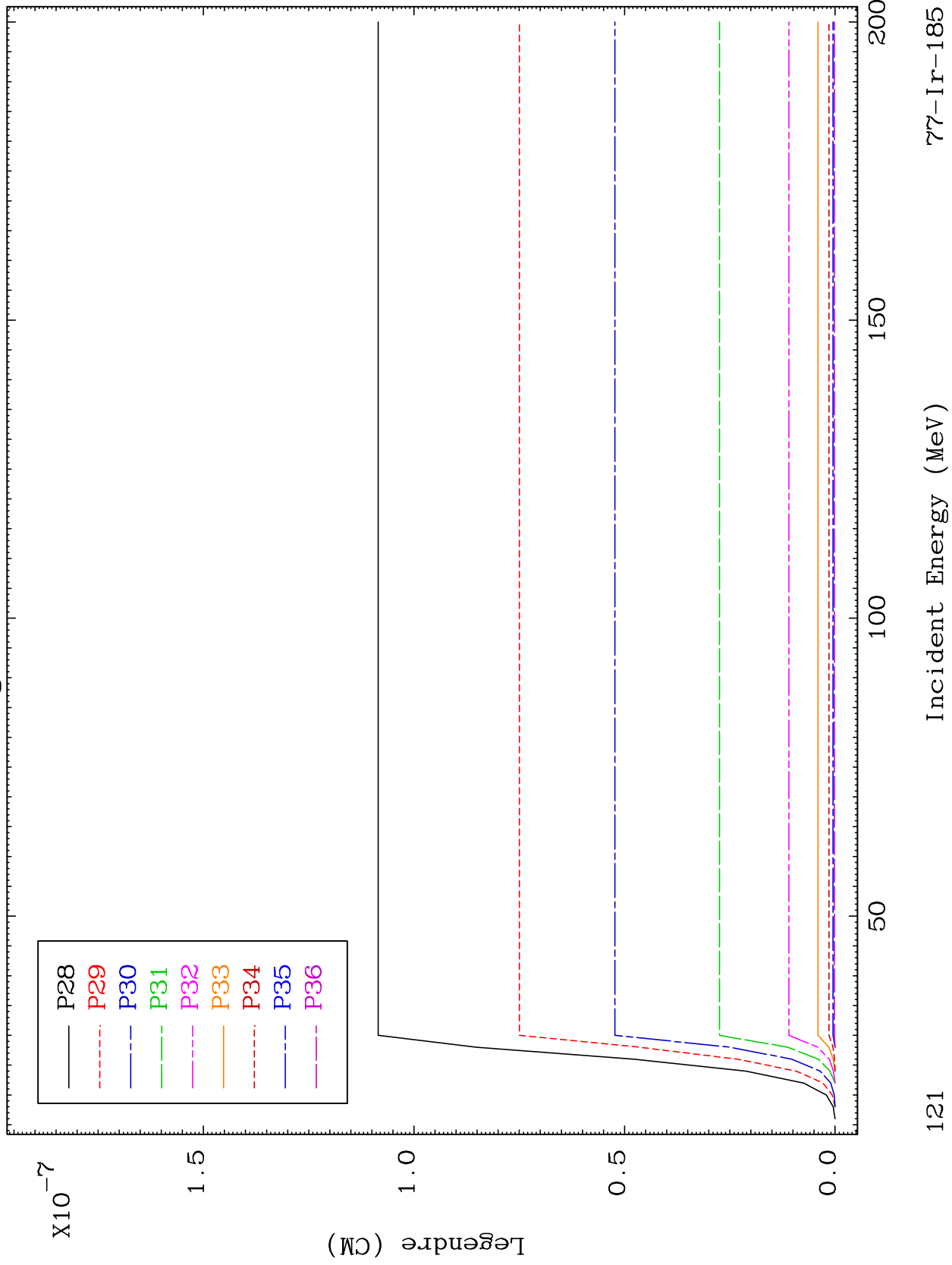
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

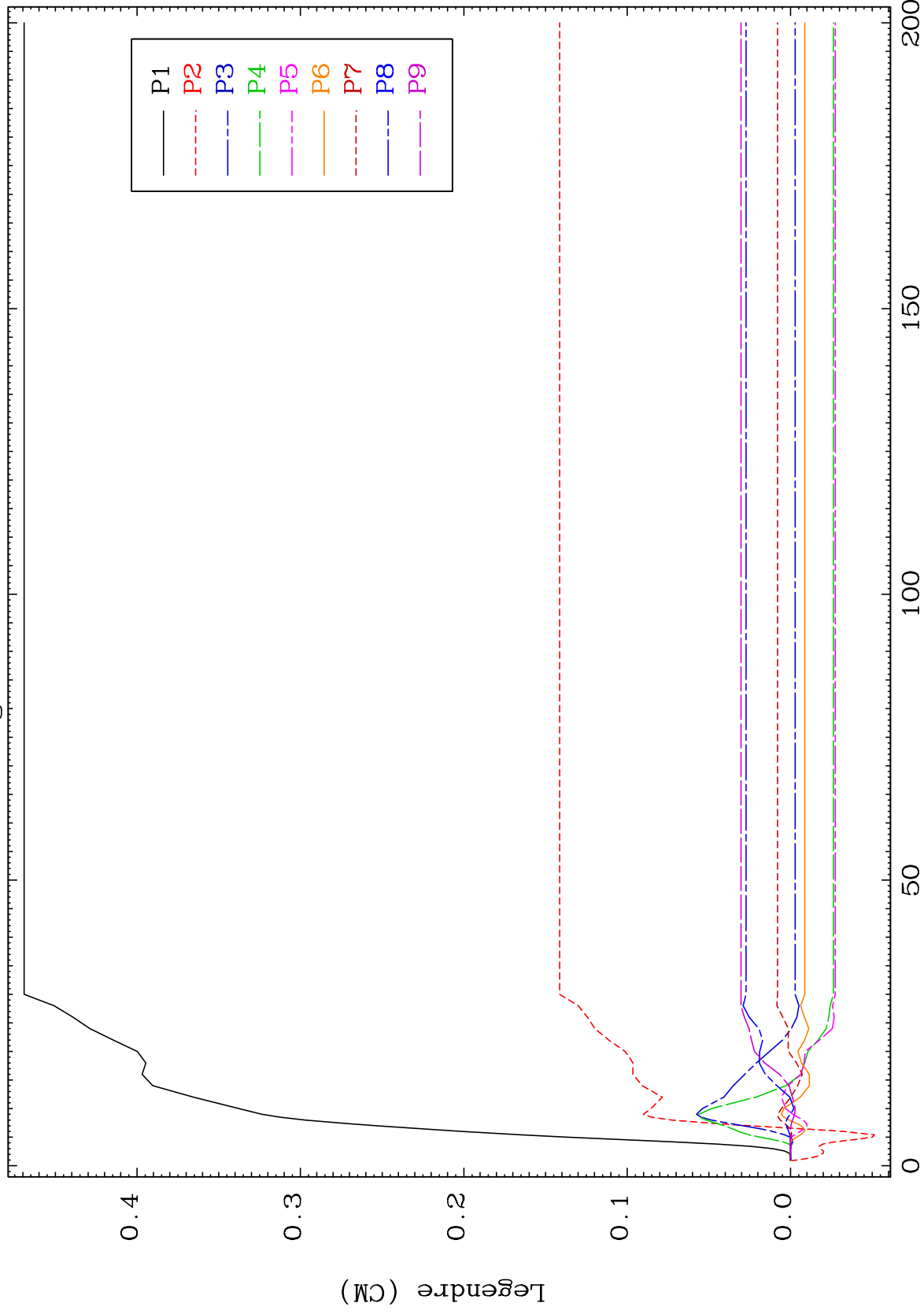
77-Ir-185



MAT 7707

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

77-Ir-185



122

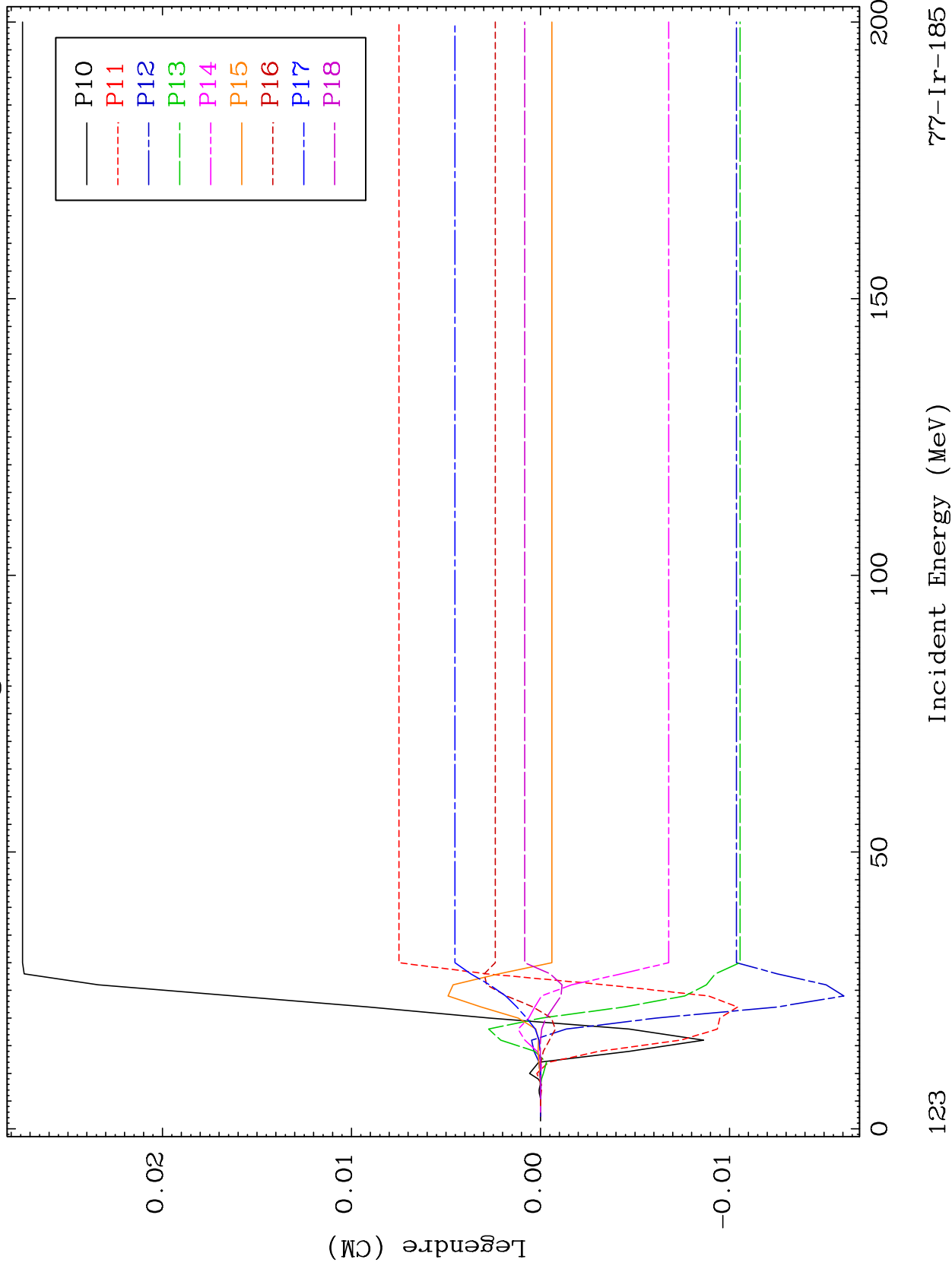
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



123

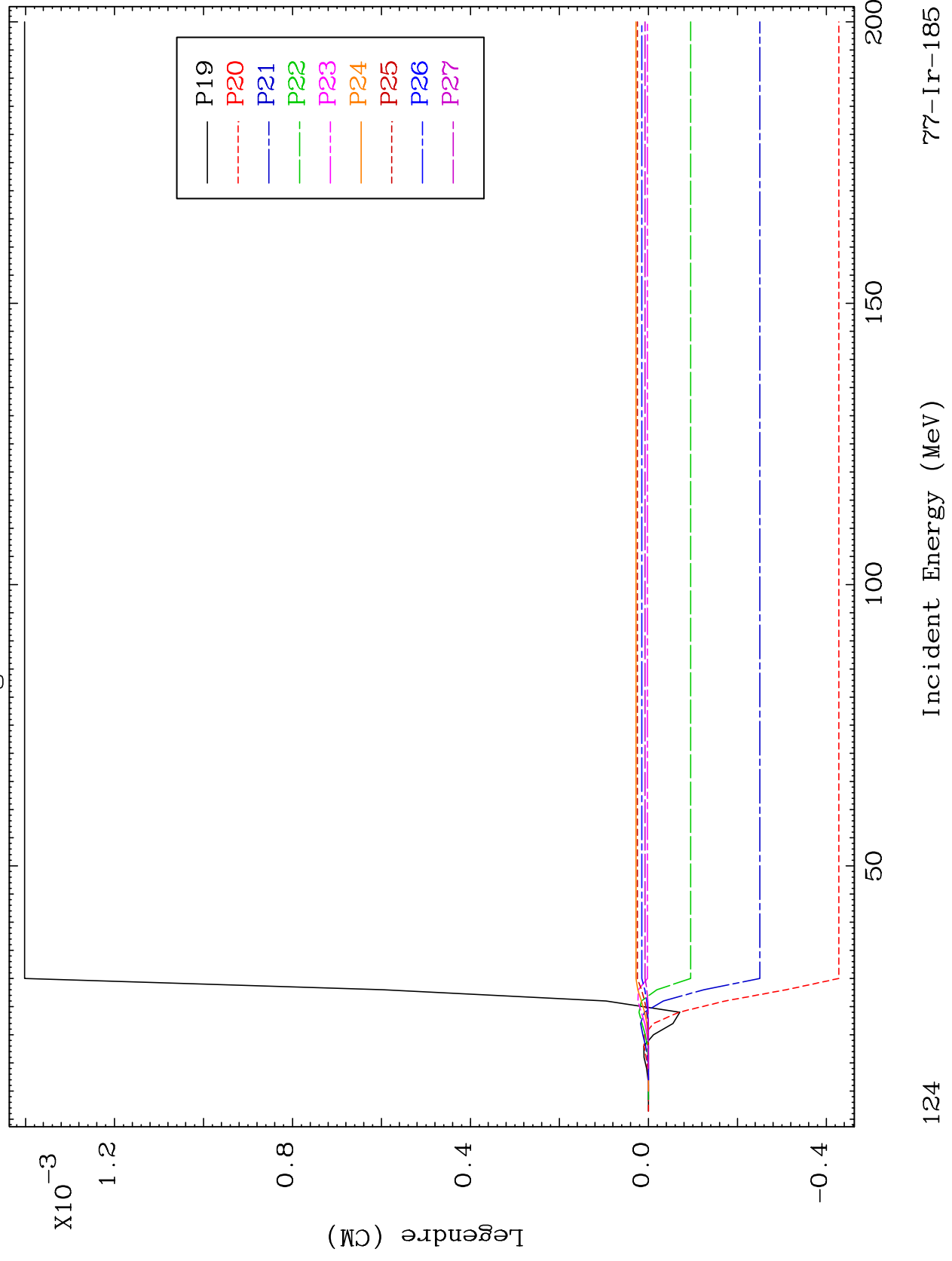
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



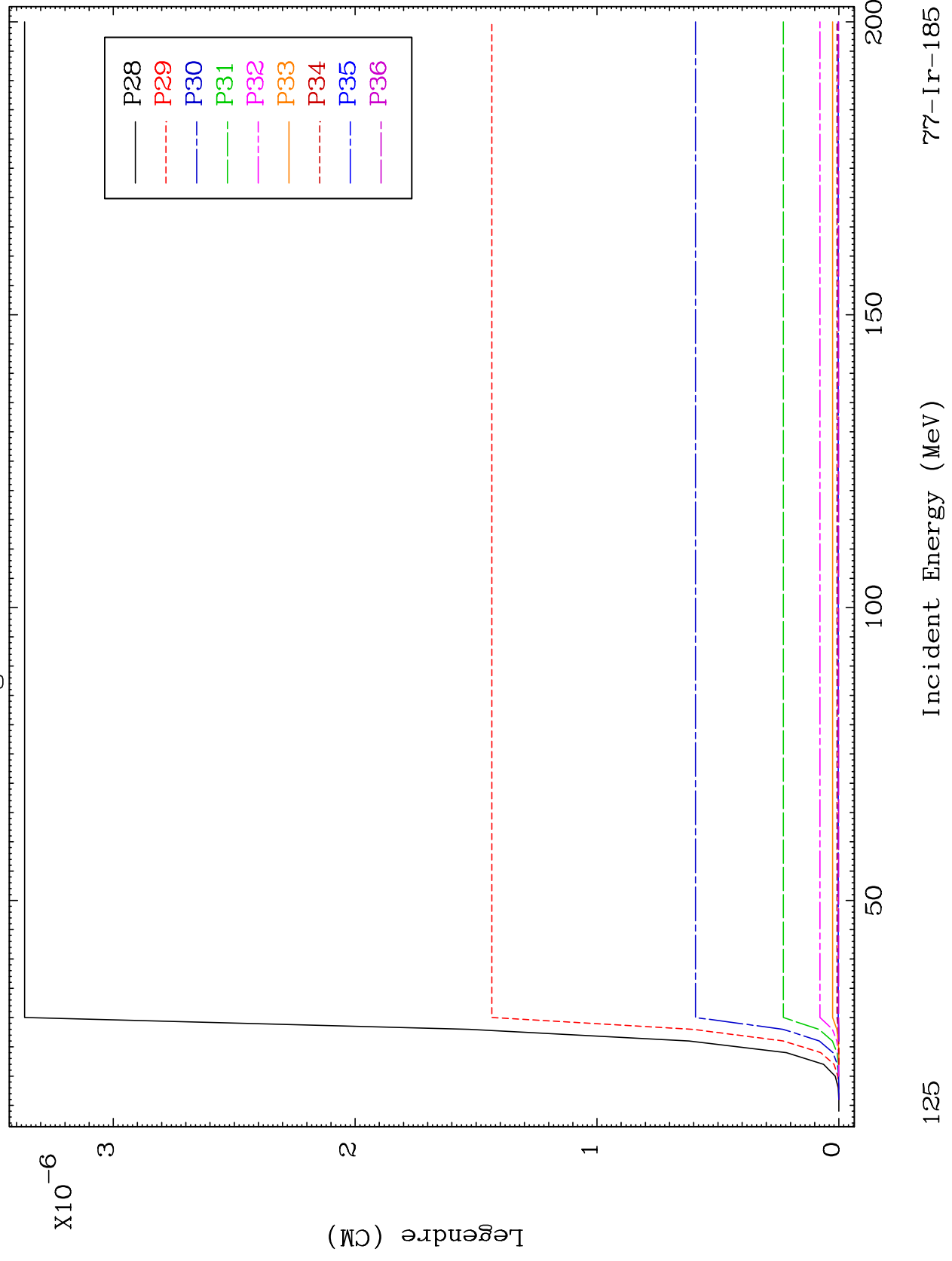
124

77-Ir-185

MAT 7707

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

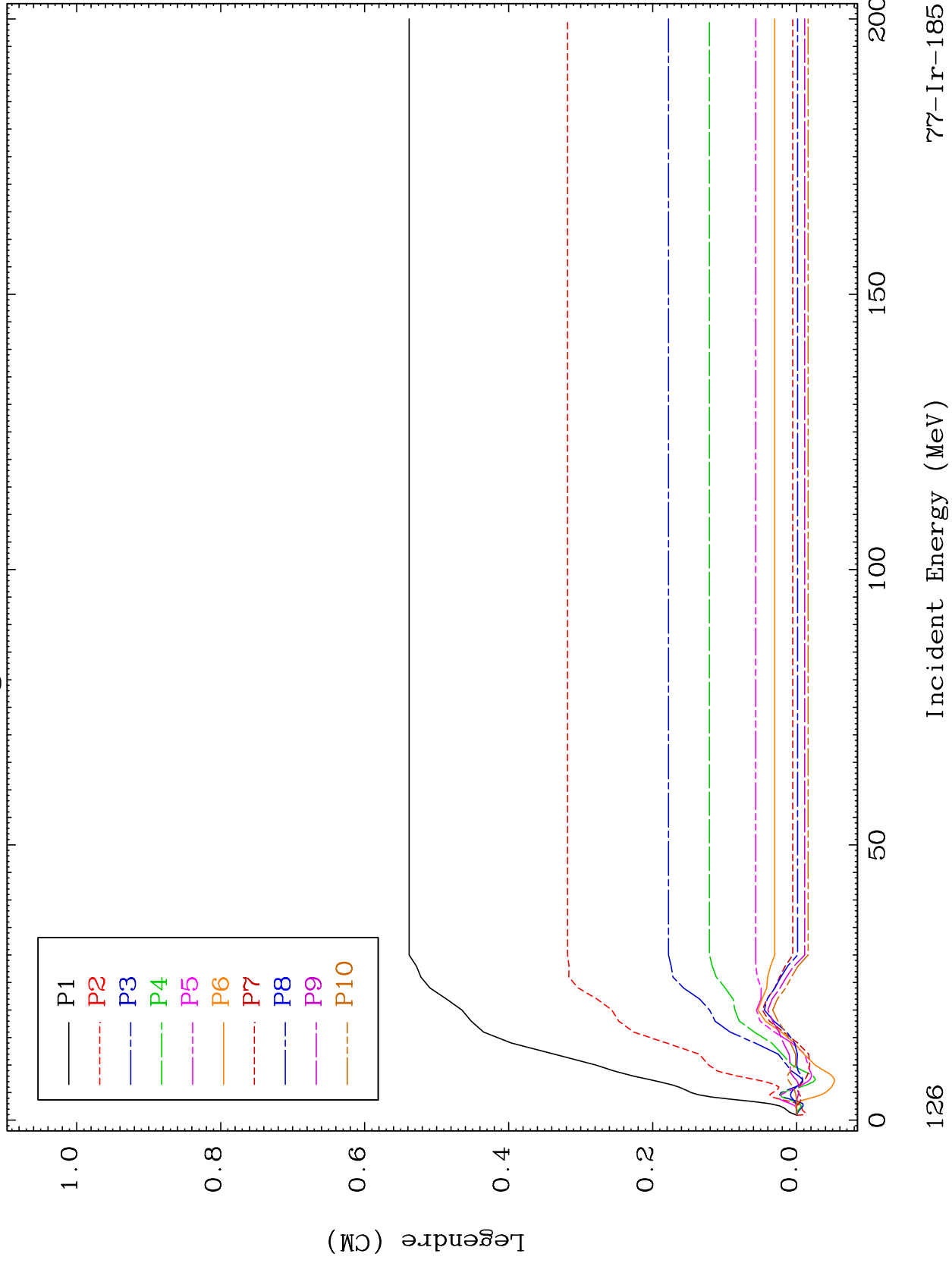
77-Ir-185



MAT 7707

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

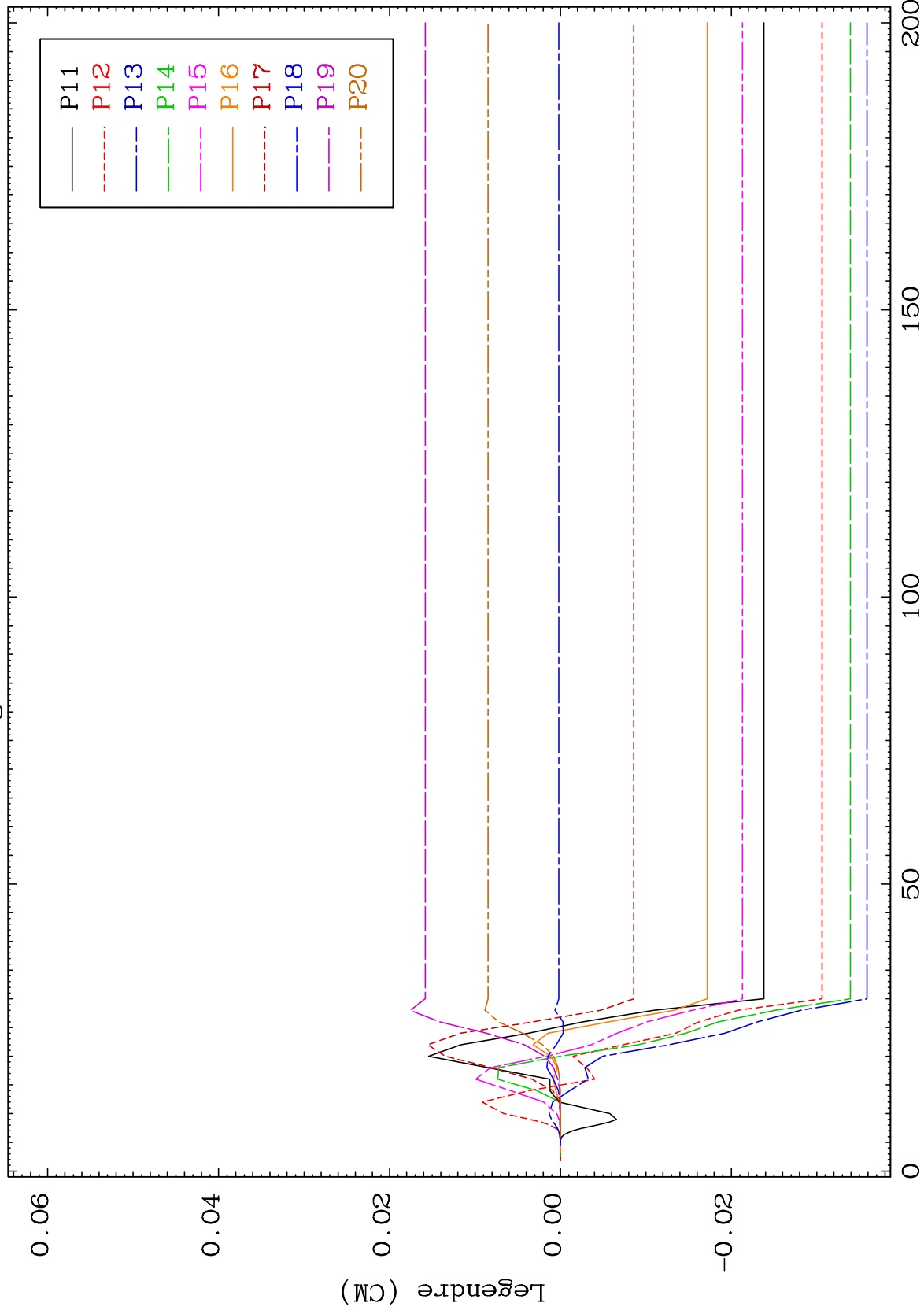
77-Ir-185



MAT 7707

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

77-Ir-185



127

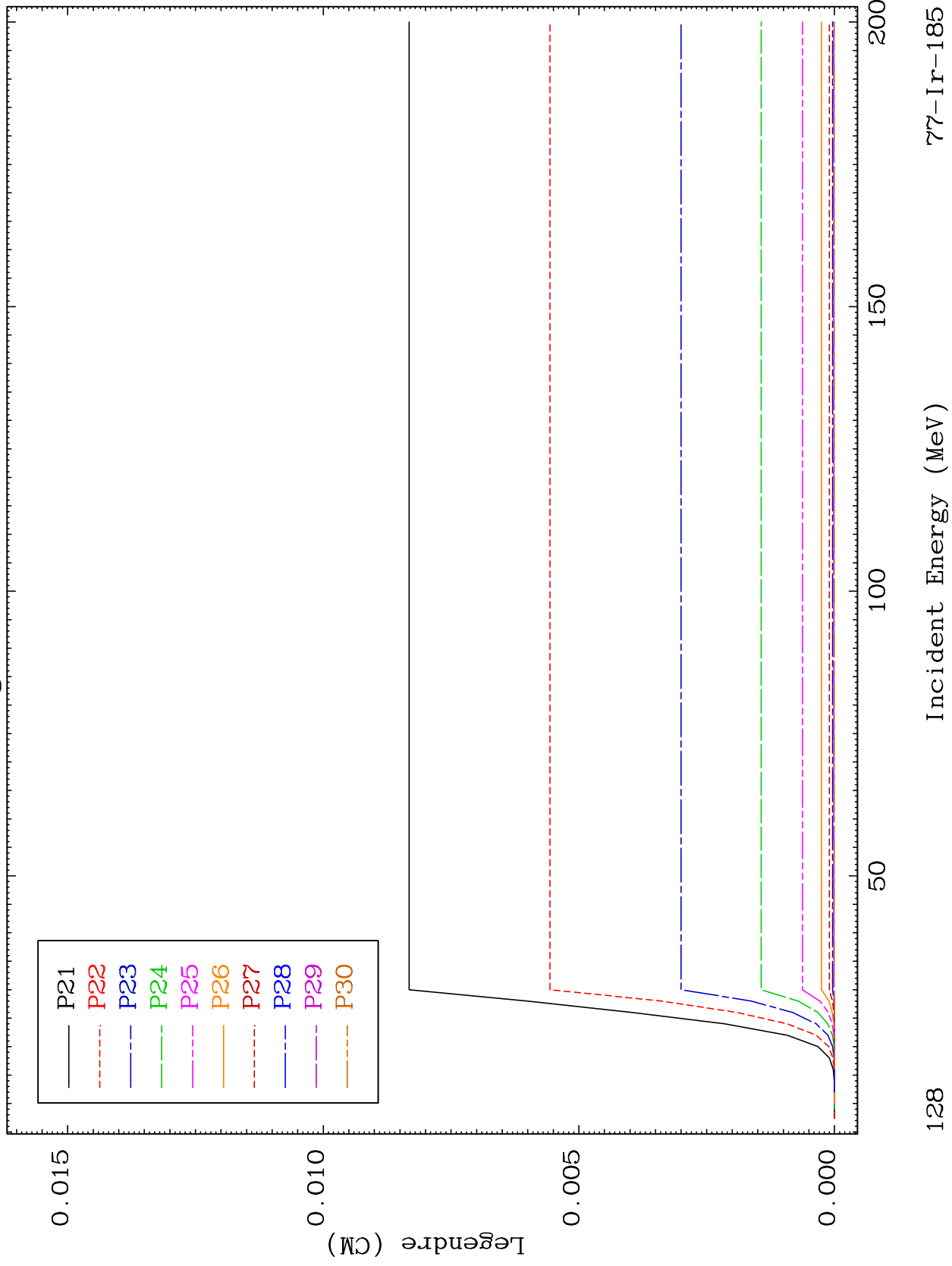
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185

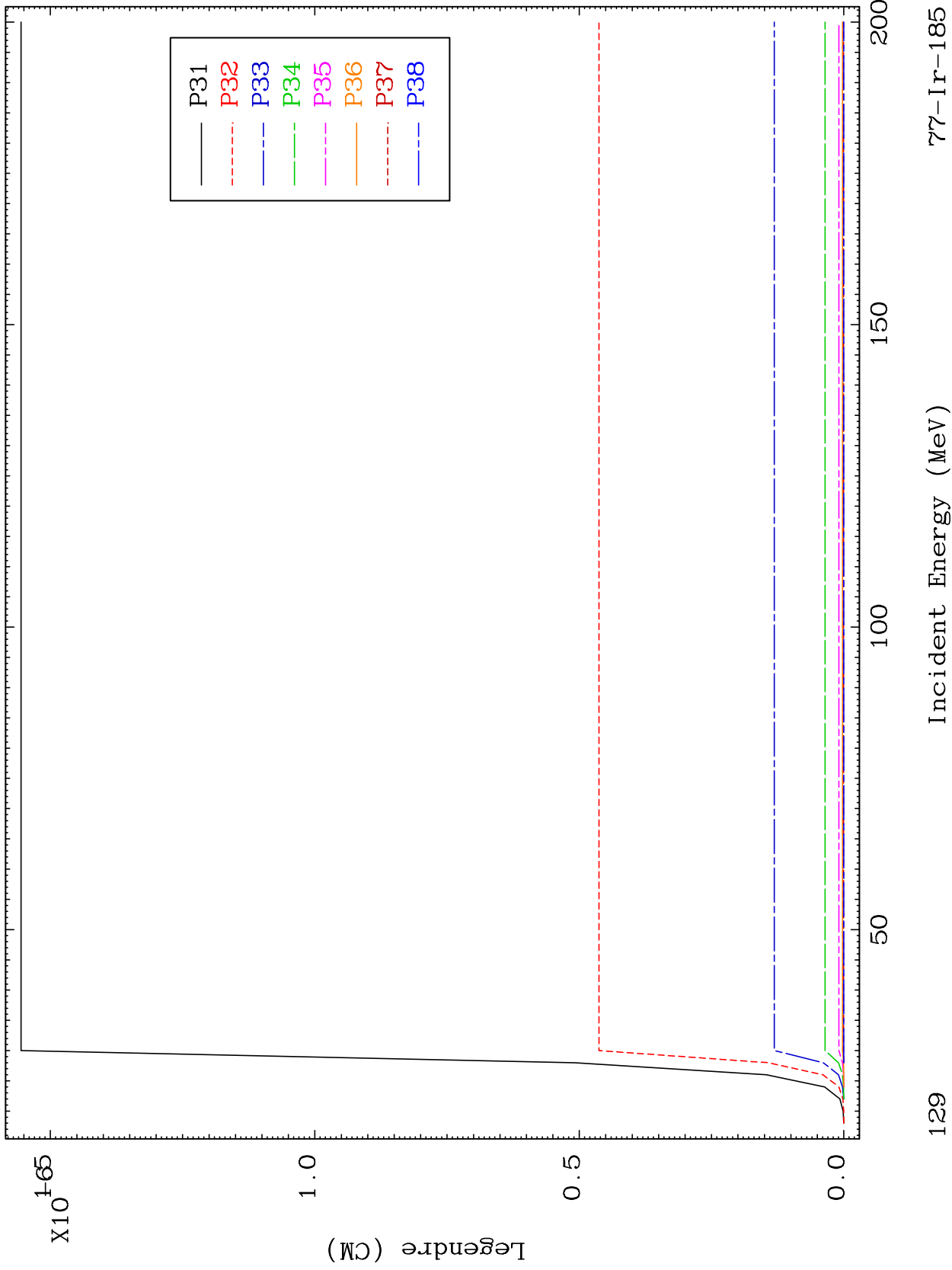


128

MAT 7707

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

77-Ir-185

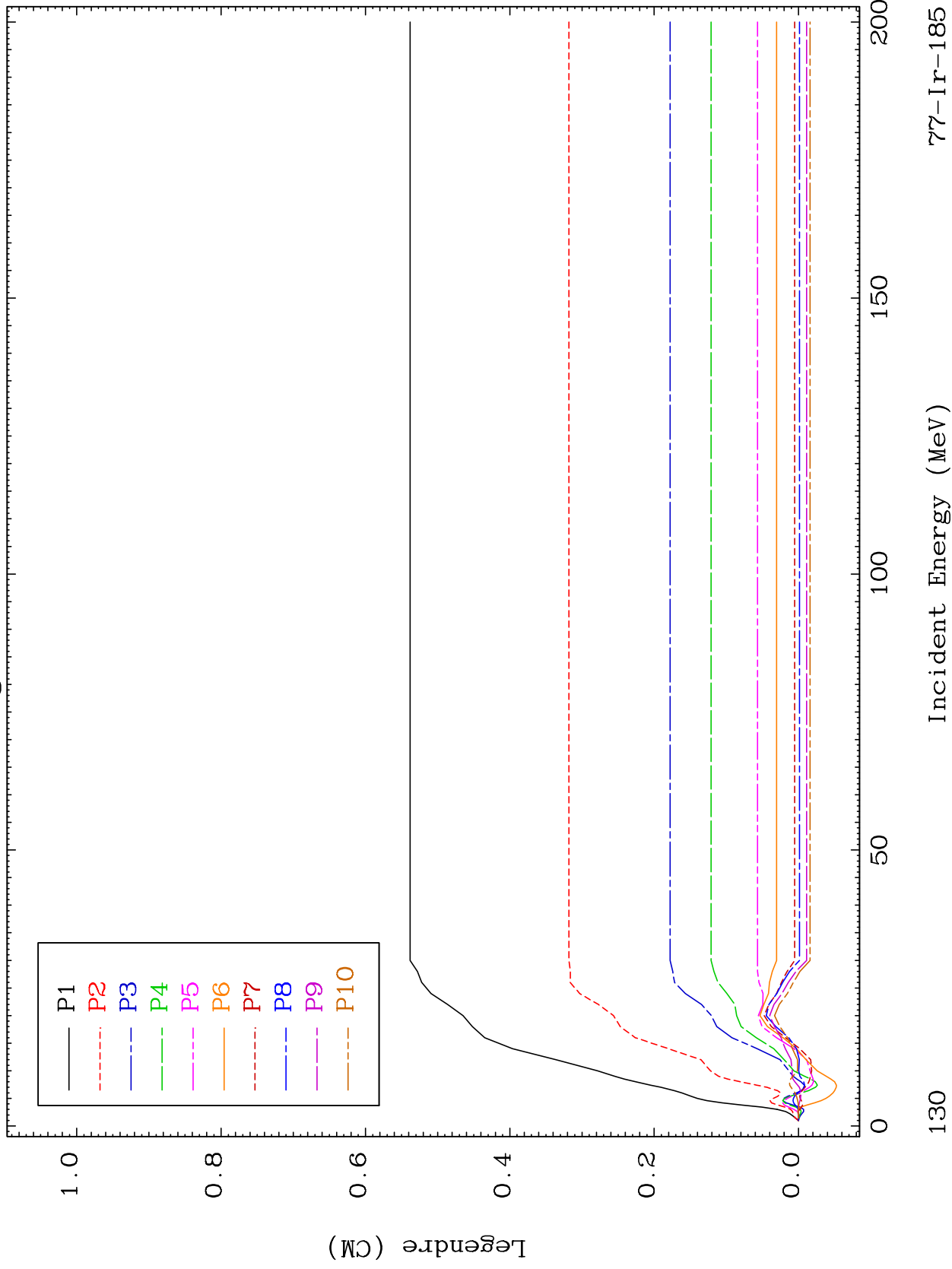


129

MAT 7707

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

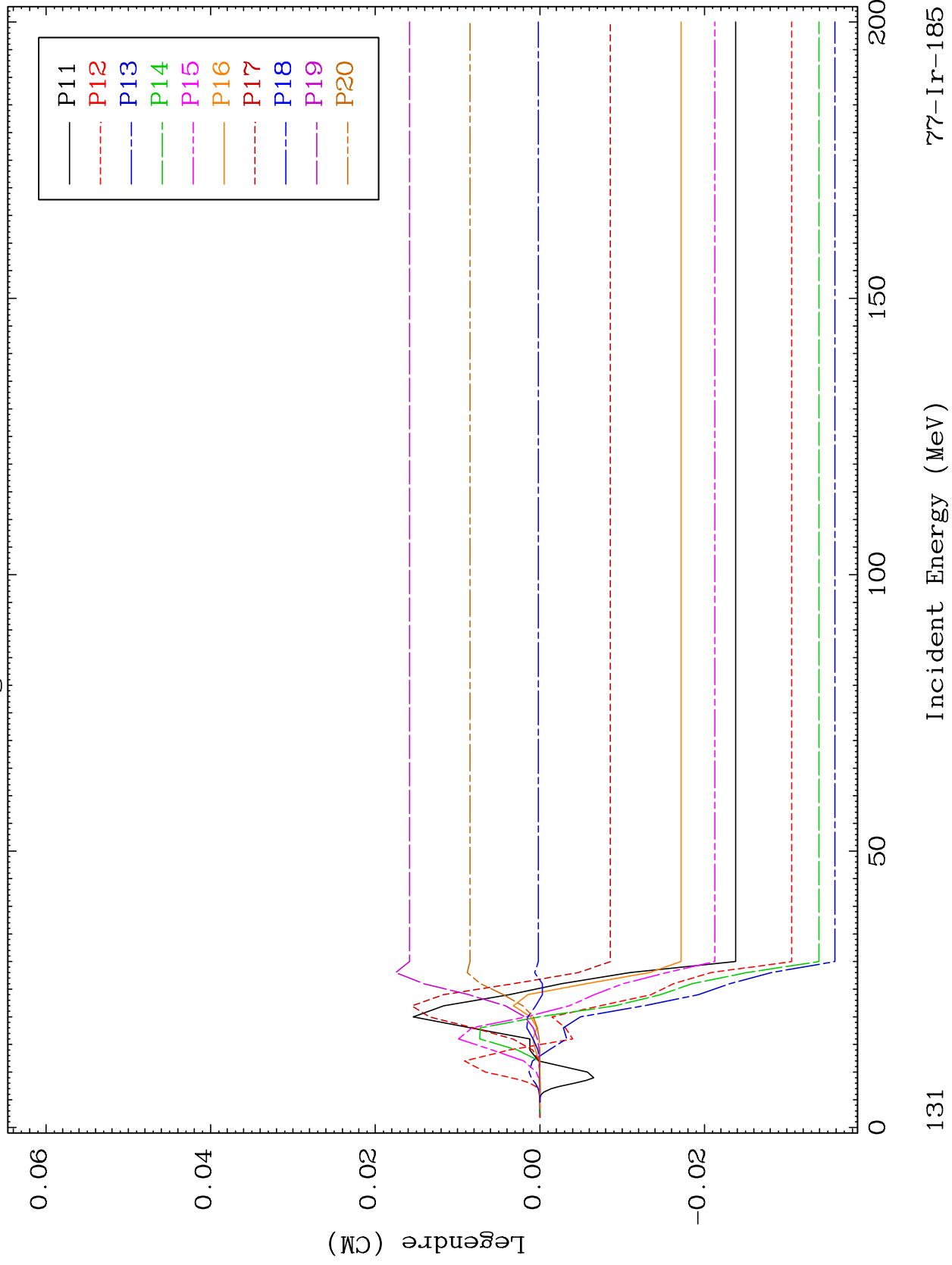
77-Ir-185



MAT 7707

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

77-Ir-185



131

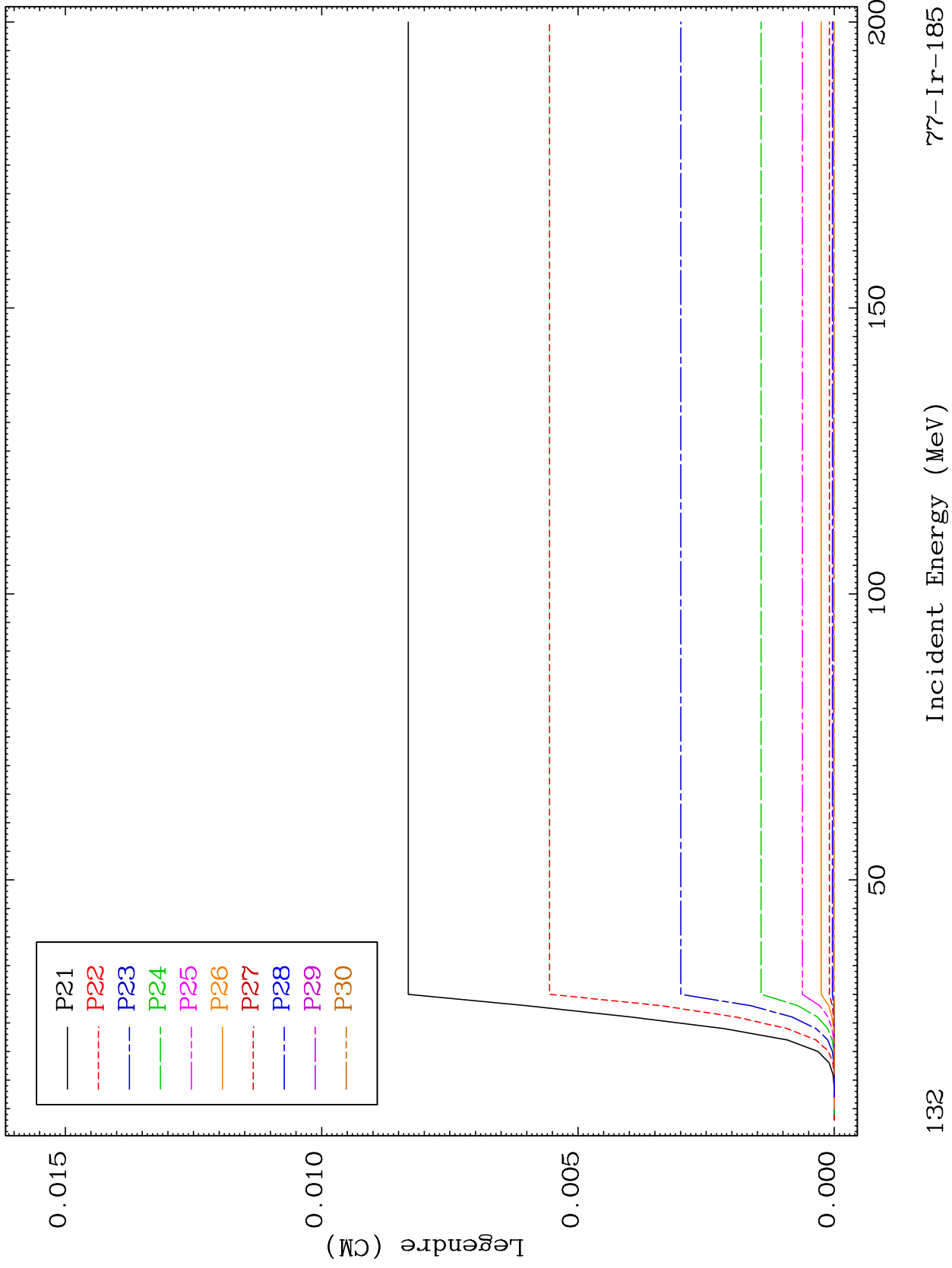
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



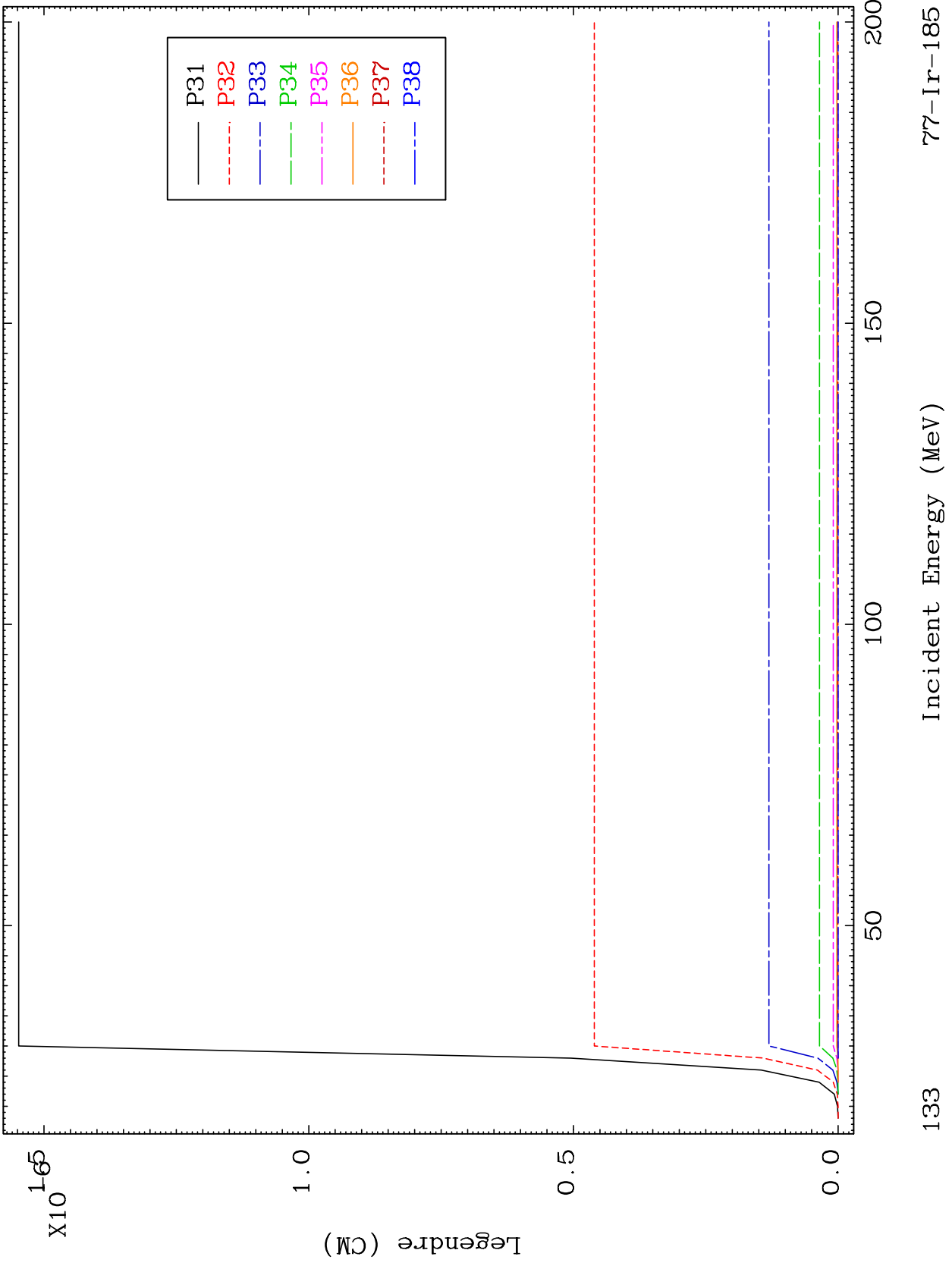
132

77-Ir-185

MAT 7707

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

77-Ir-185



133

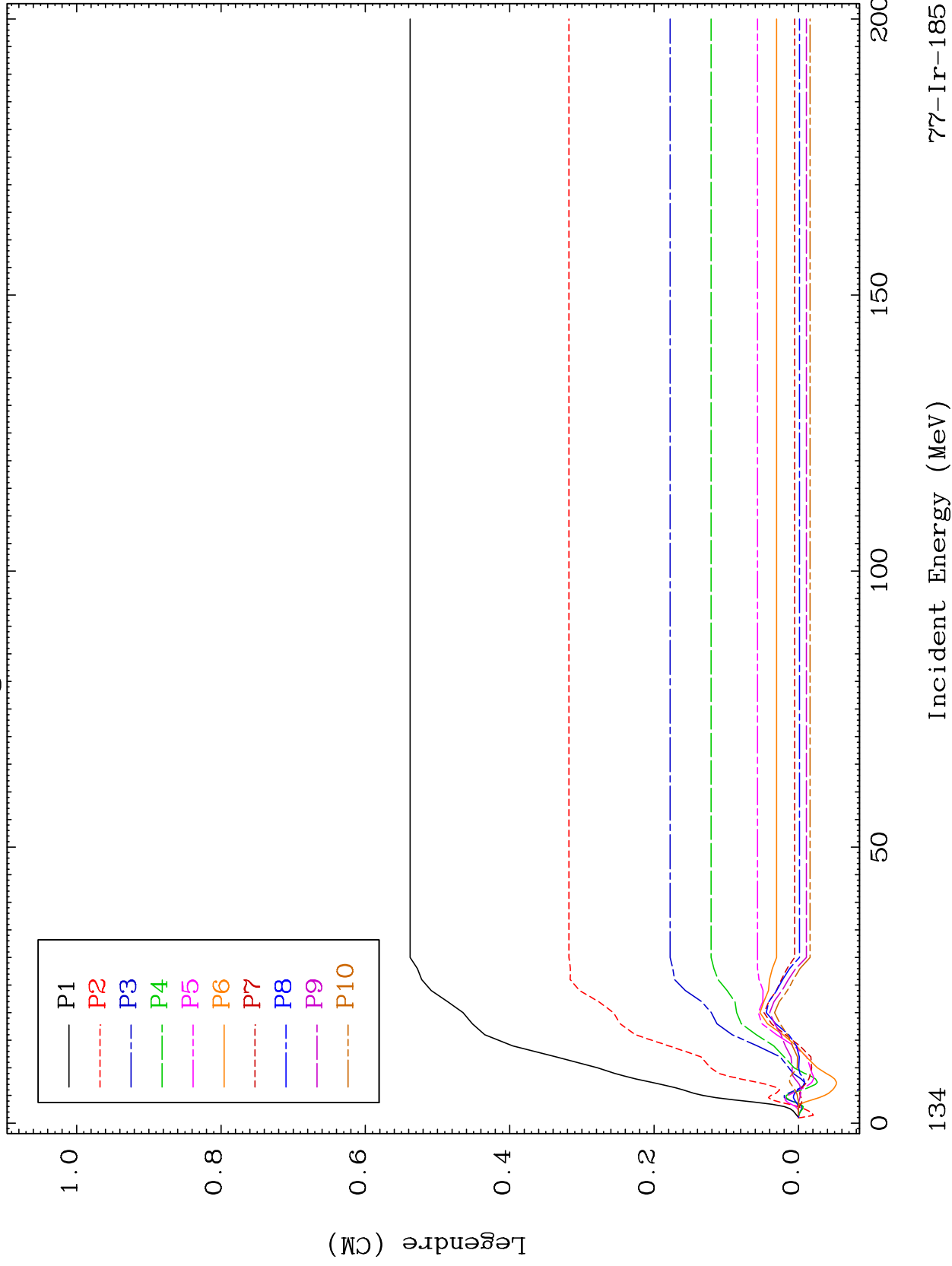
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

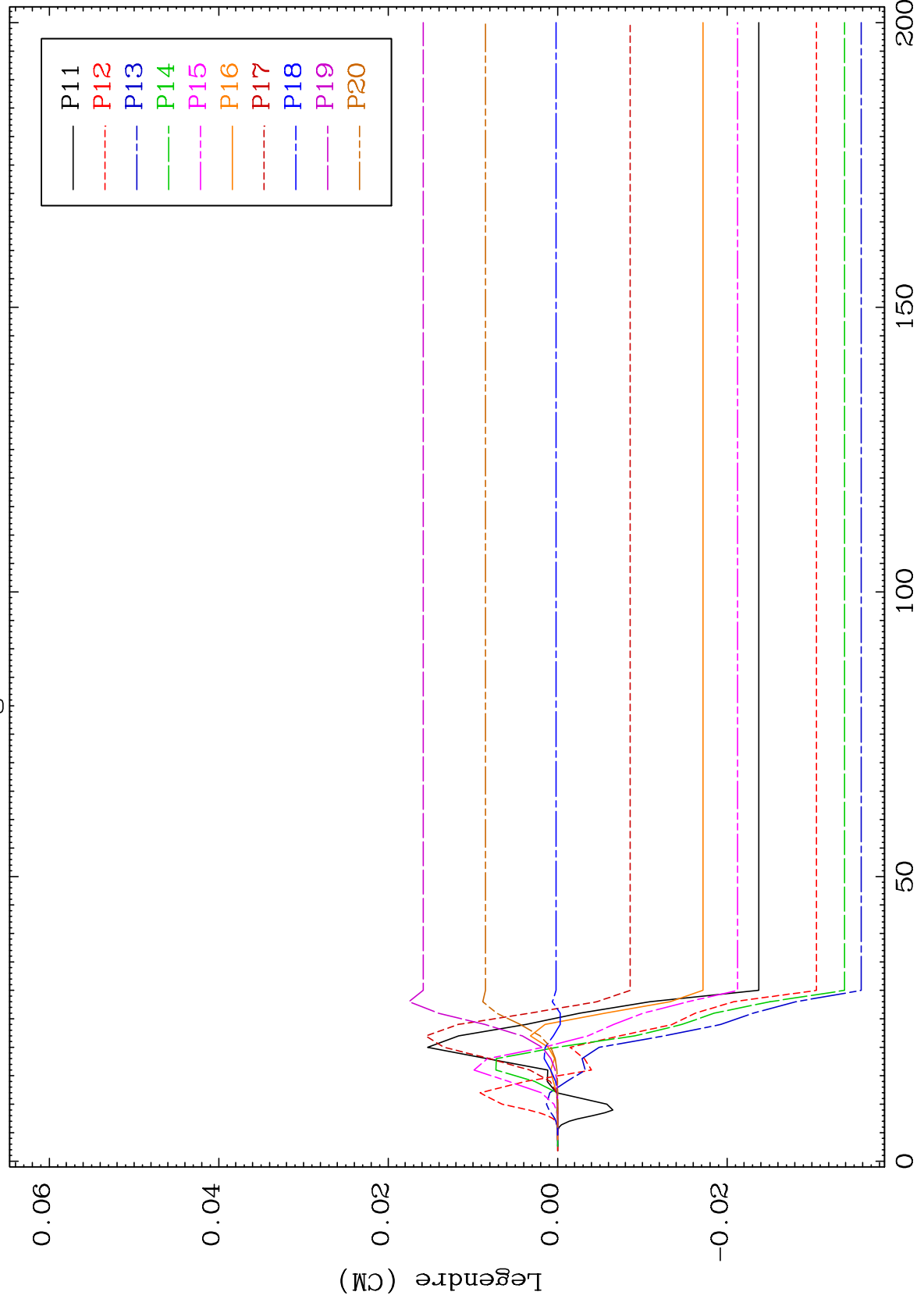
77-Ir-185



MAT 7707

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

77-Ir-185



135

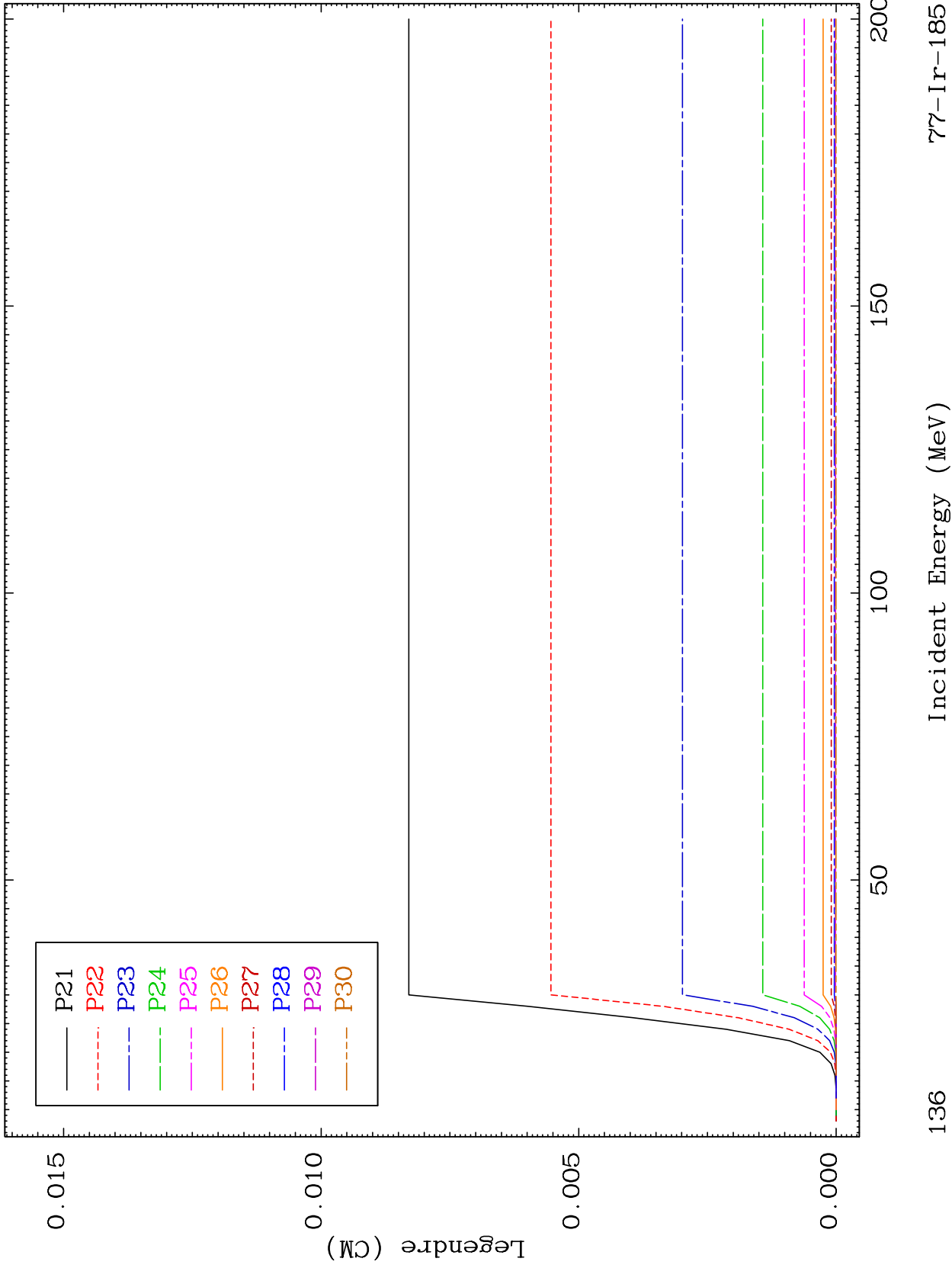
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



136

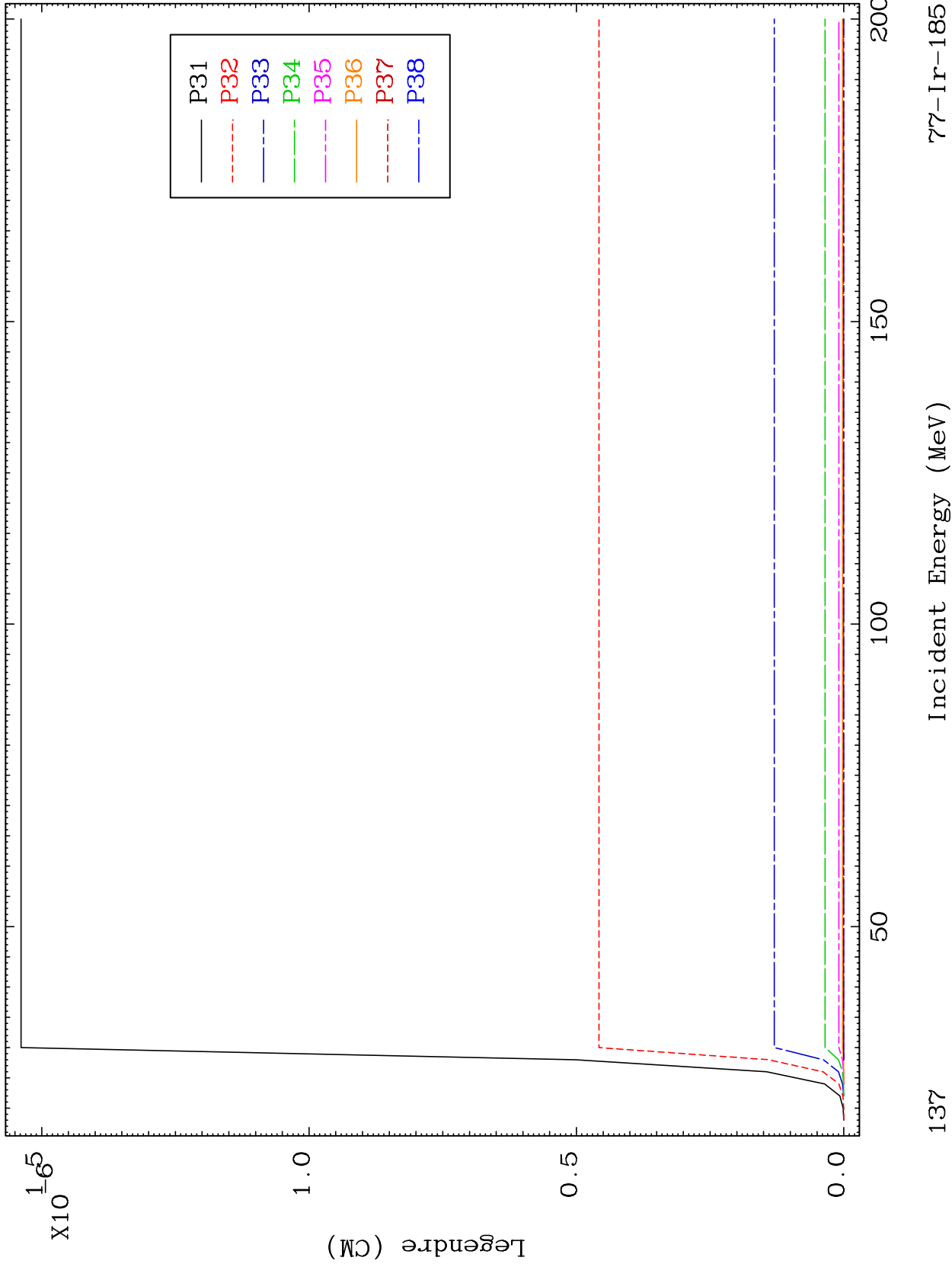
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



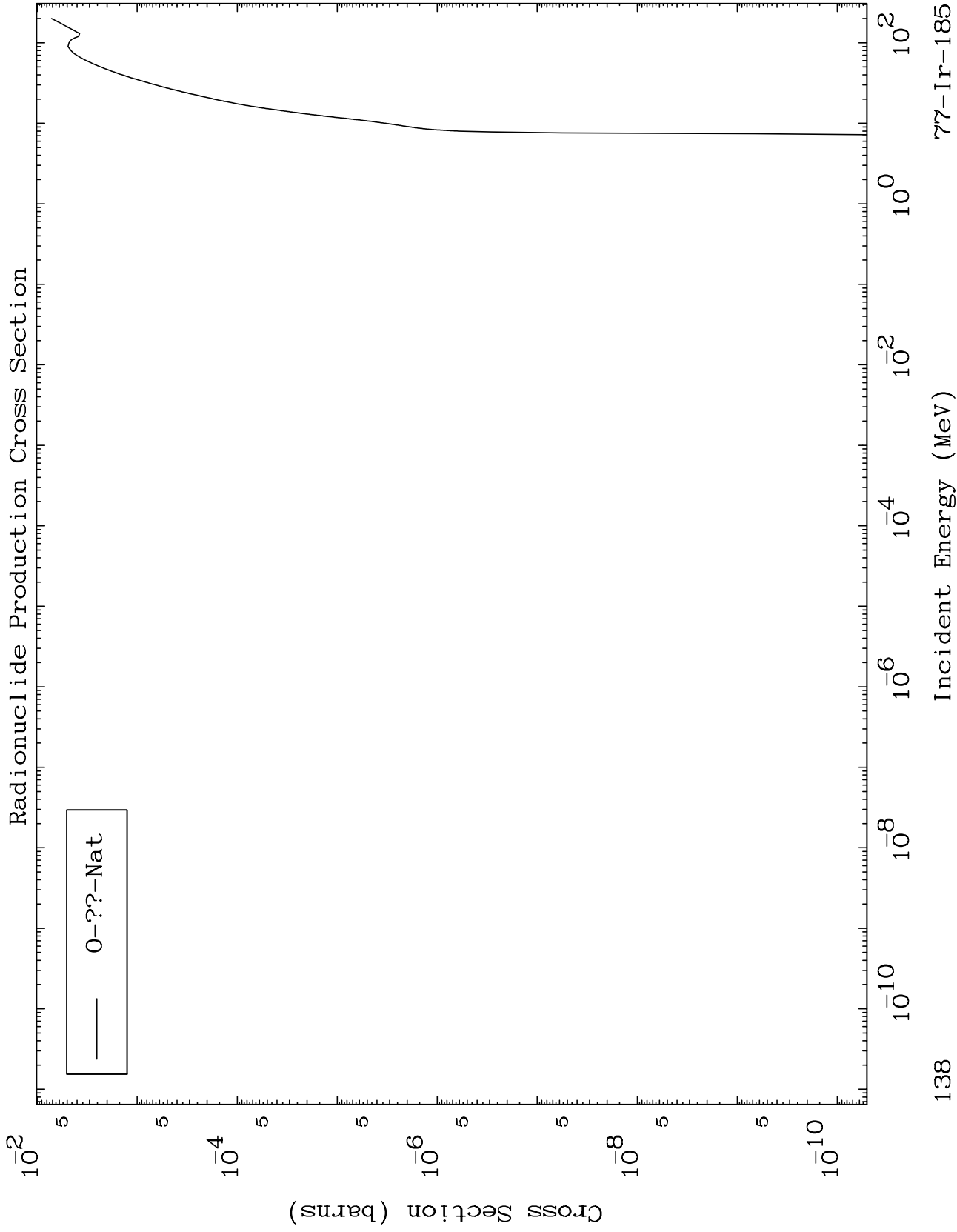
137

MAT 7707

Fission

⁷⁷Ir-185

Radionuclide Production Cross Section

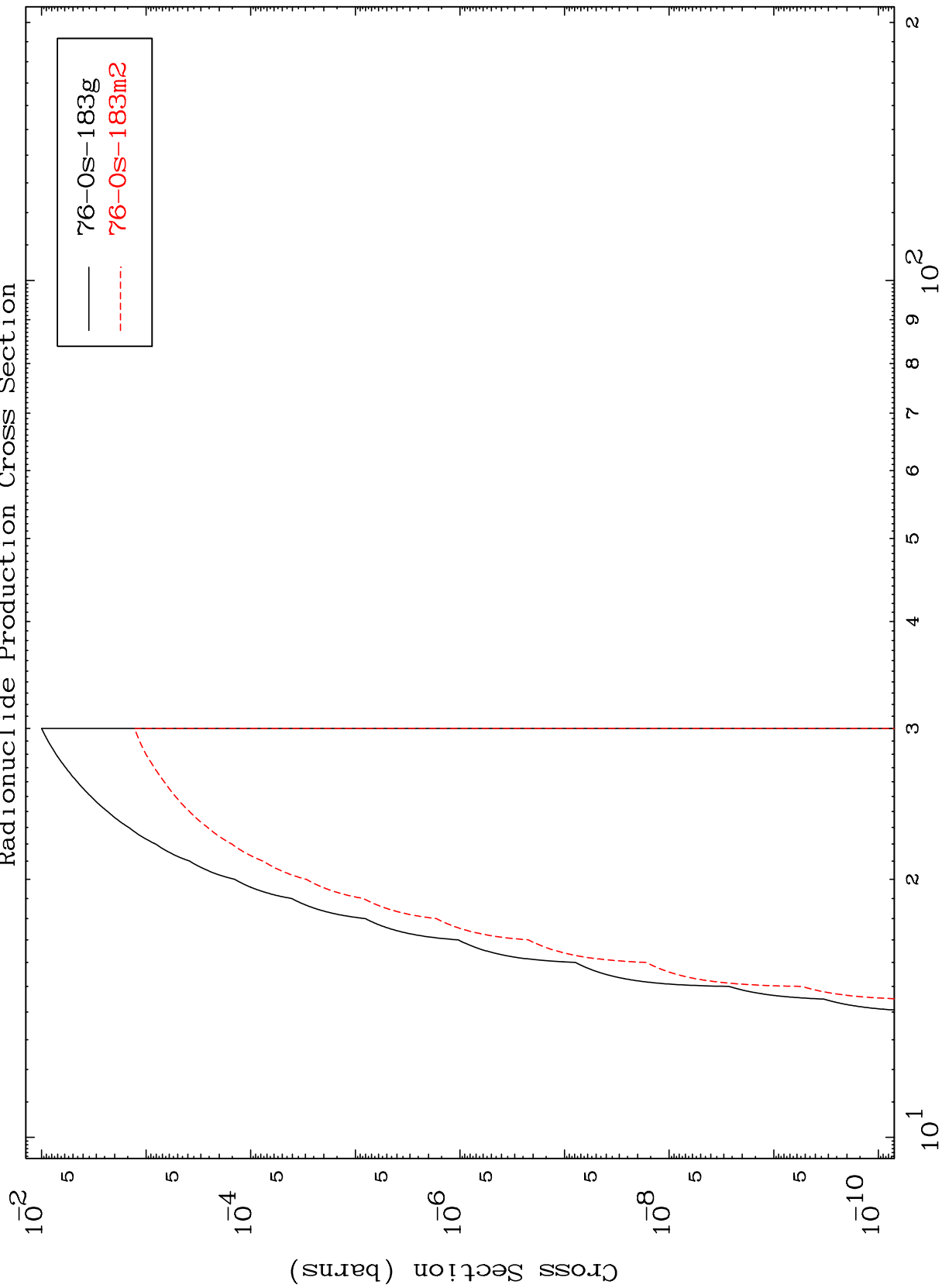


MAT 7707

(n,n') d

77-Ir-185

Radionuclide Production Cross Section



Incident Energy (MeV)

77-Ir-185

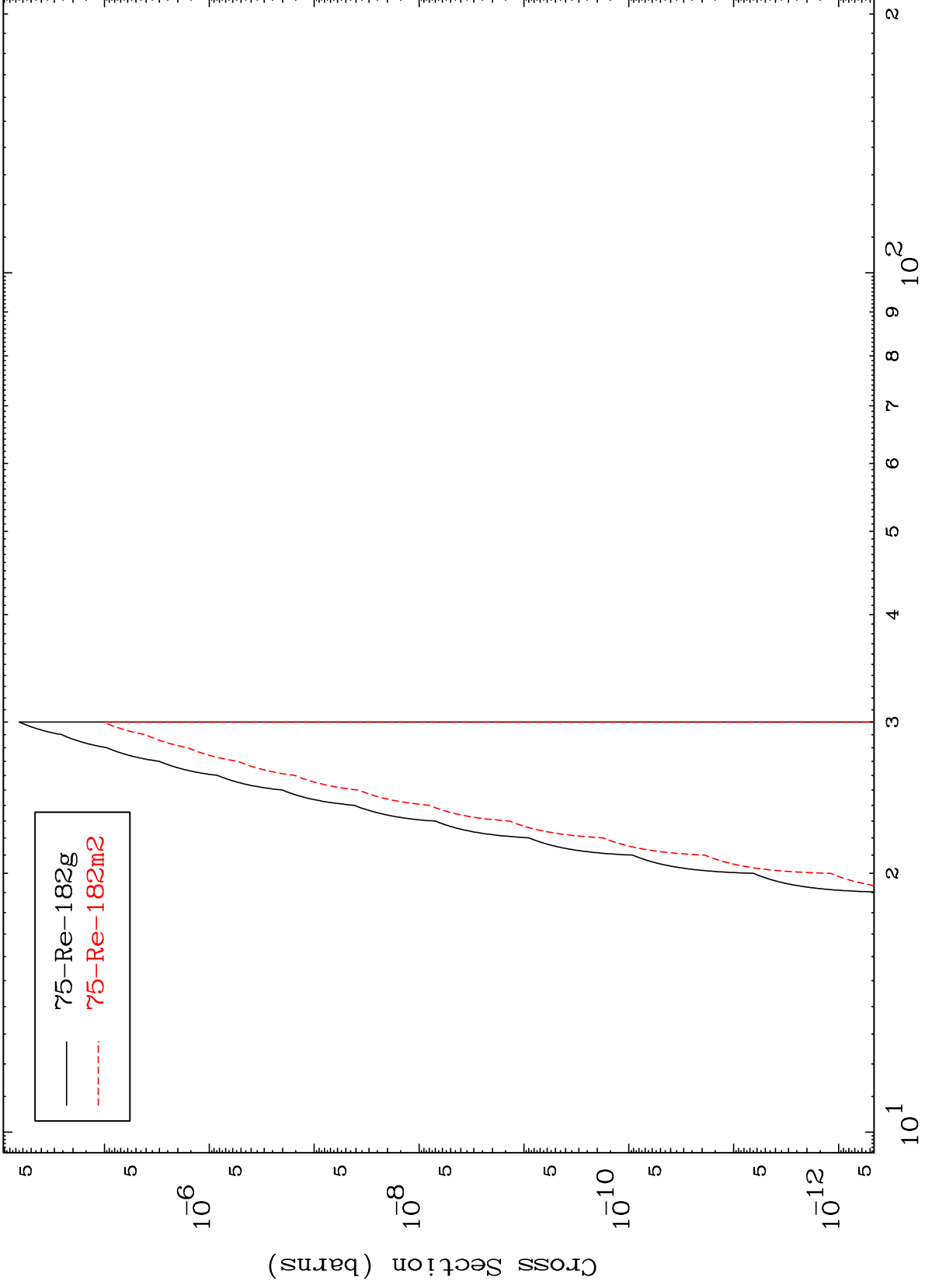
139

MAT 7707

(n,n') He-3

77-Ir-185

Radionuclide Production Cross Section



140

Incident Energy (MeV)

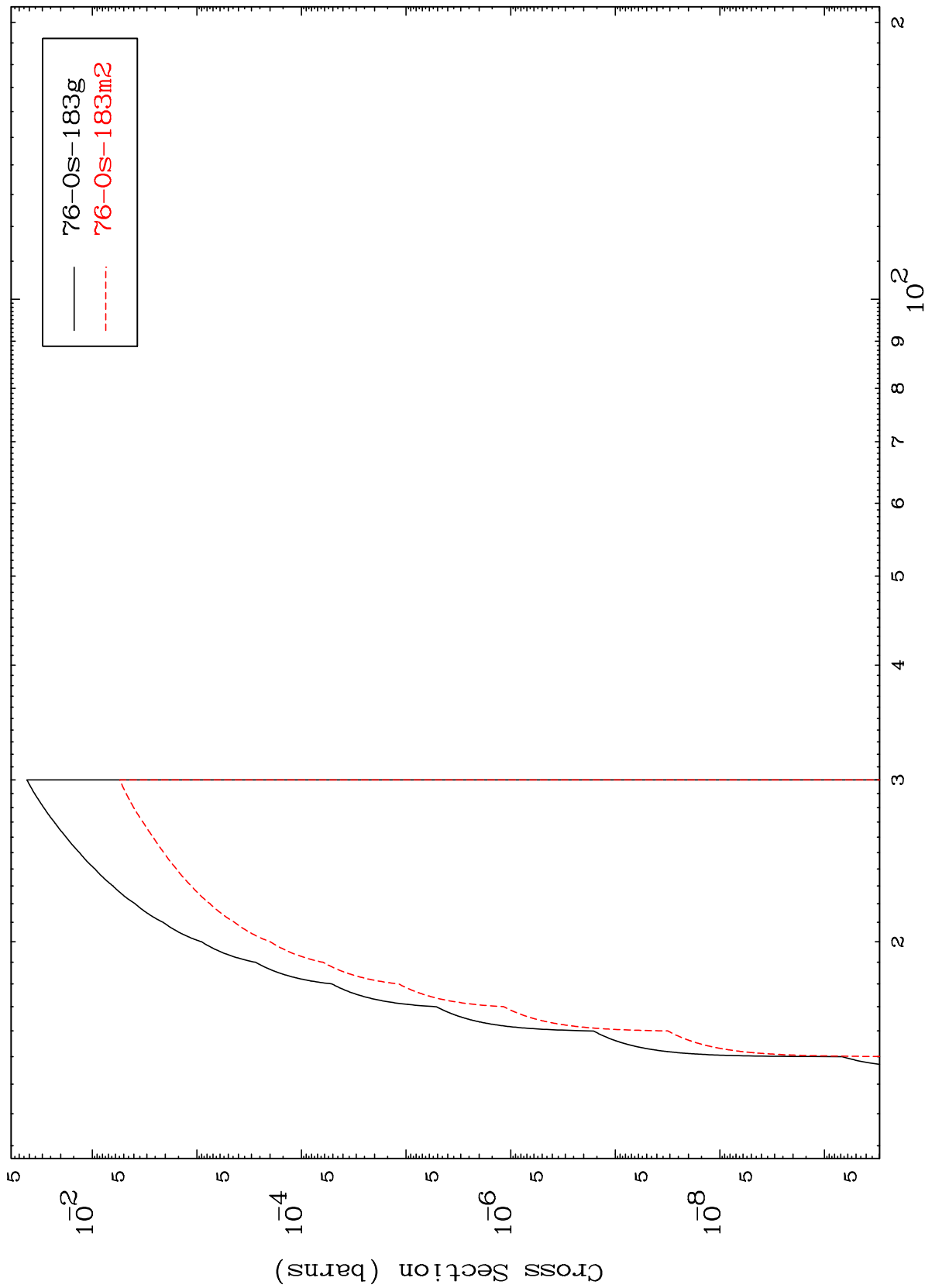
77-Ir-185

MAT 7707

77-Ir-185

(n,2n) p

Radionuclide Production Cross Section



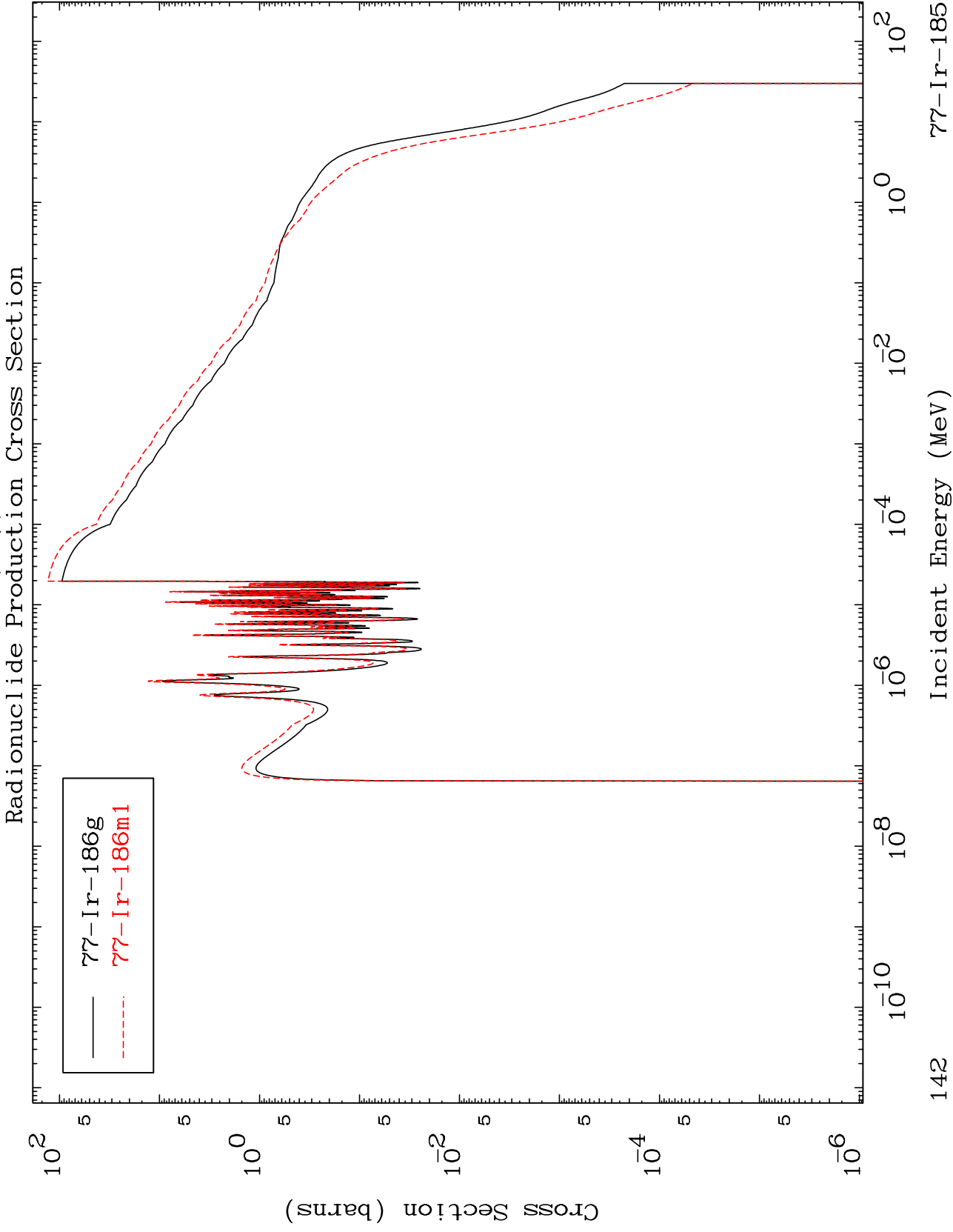
141

Incident Energy (MeV)

77-Ir-185

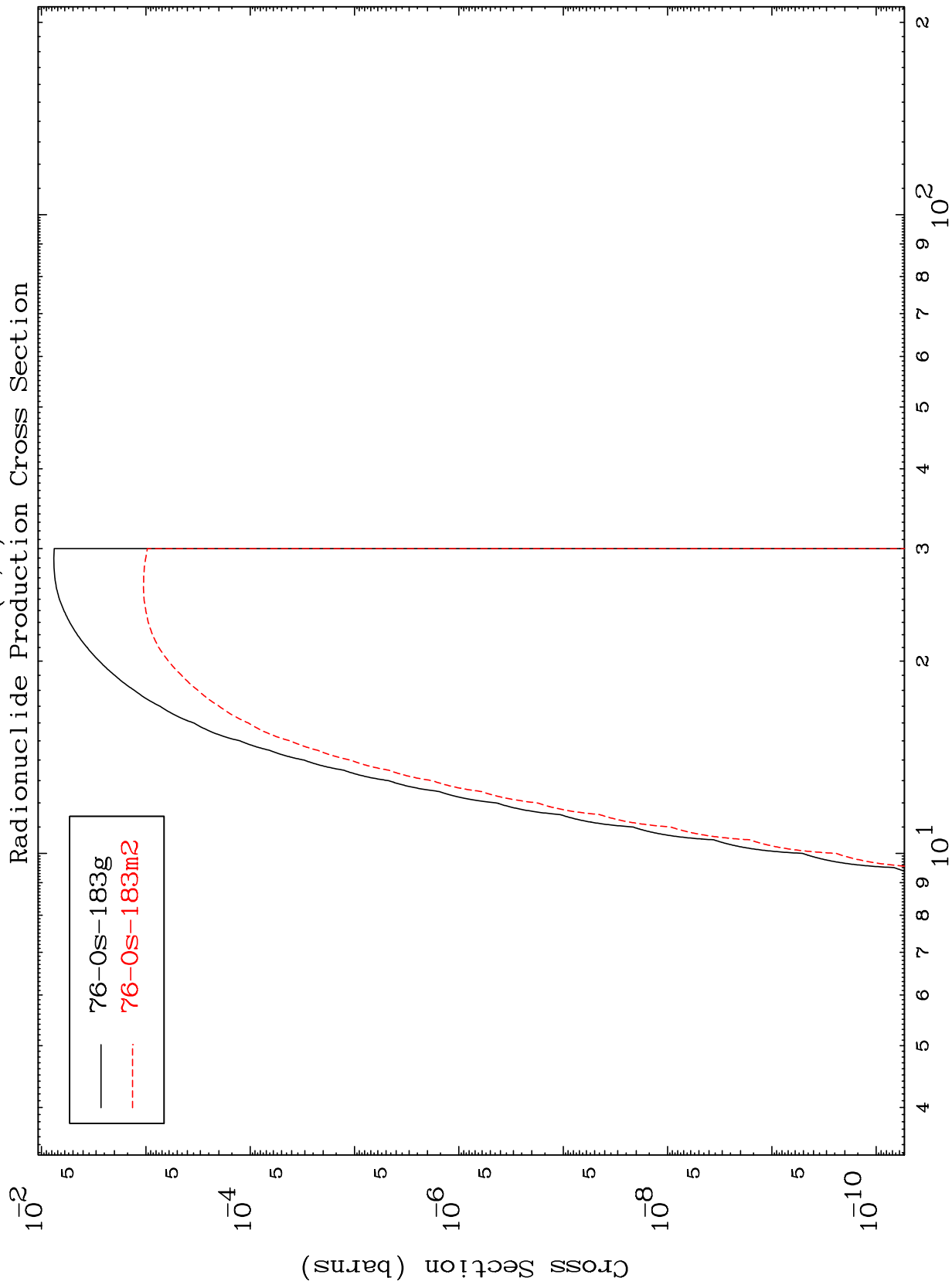
MAT 7707

77-Ir-185



MAT 7707

77-Ir-185



77-Ir-185

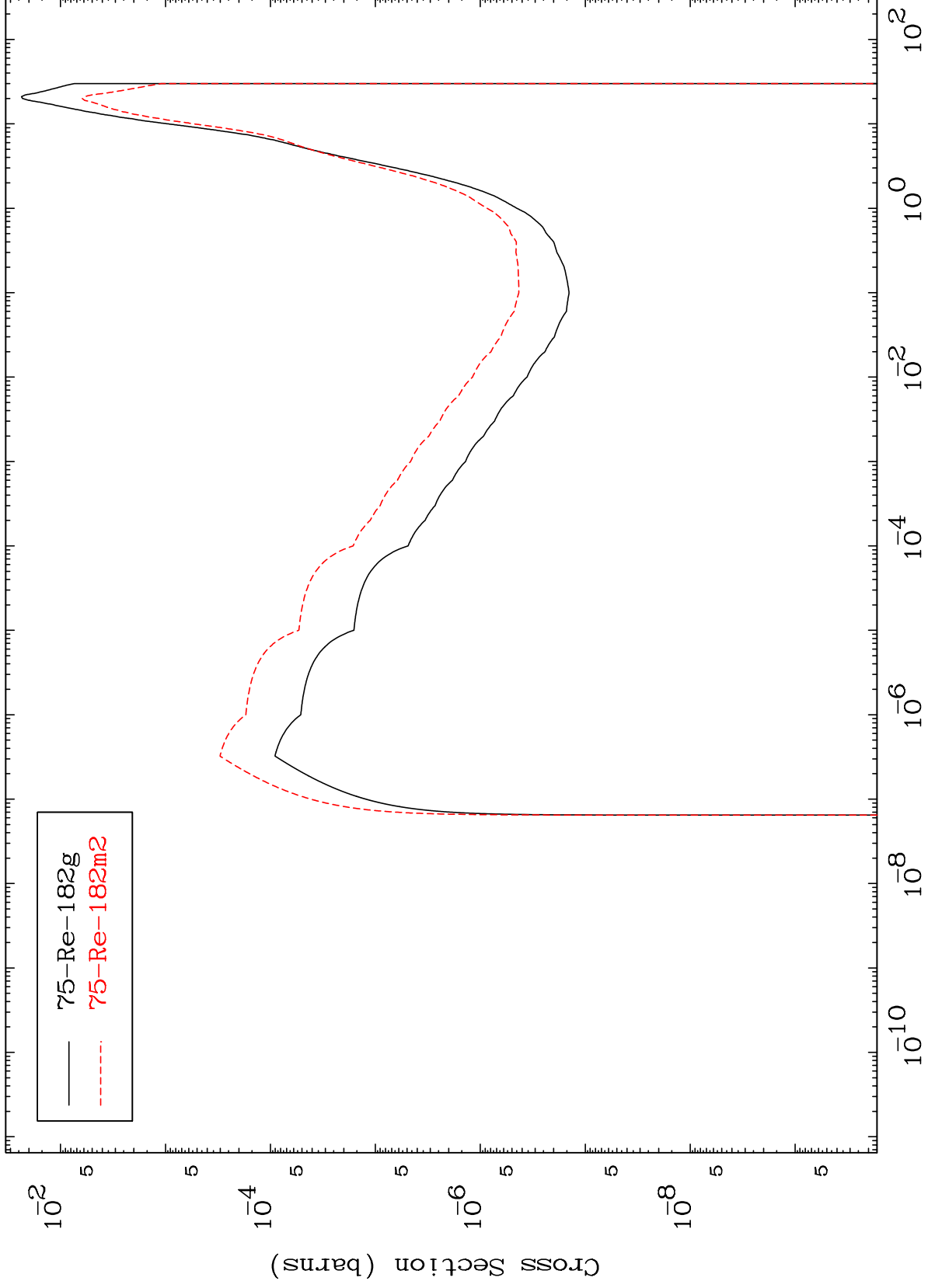
Incident Energy (MeV)

143

MAT 7707

77-Ir-185

Radionuclide Production Cross Section
(n, α)

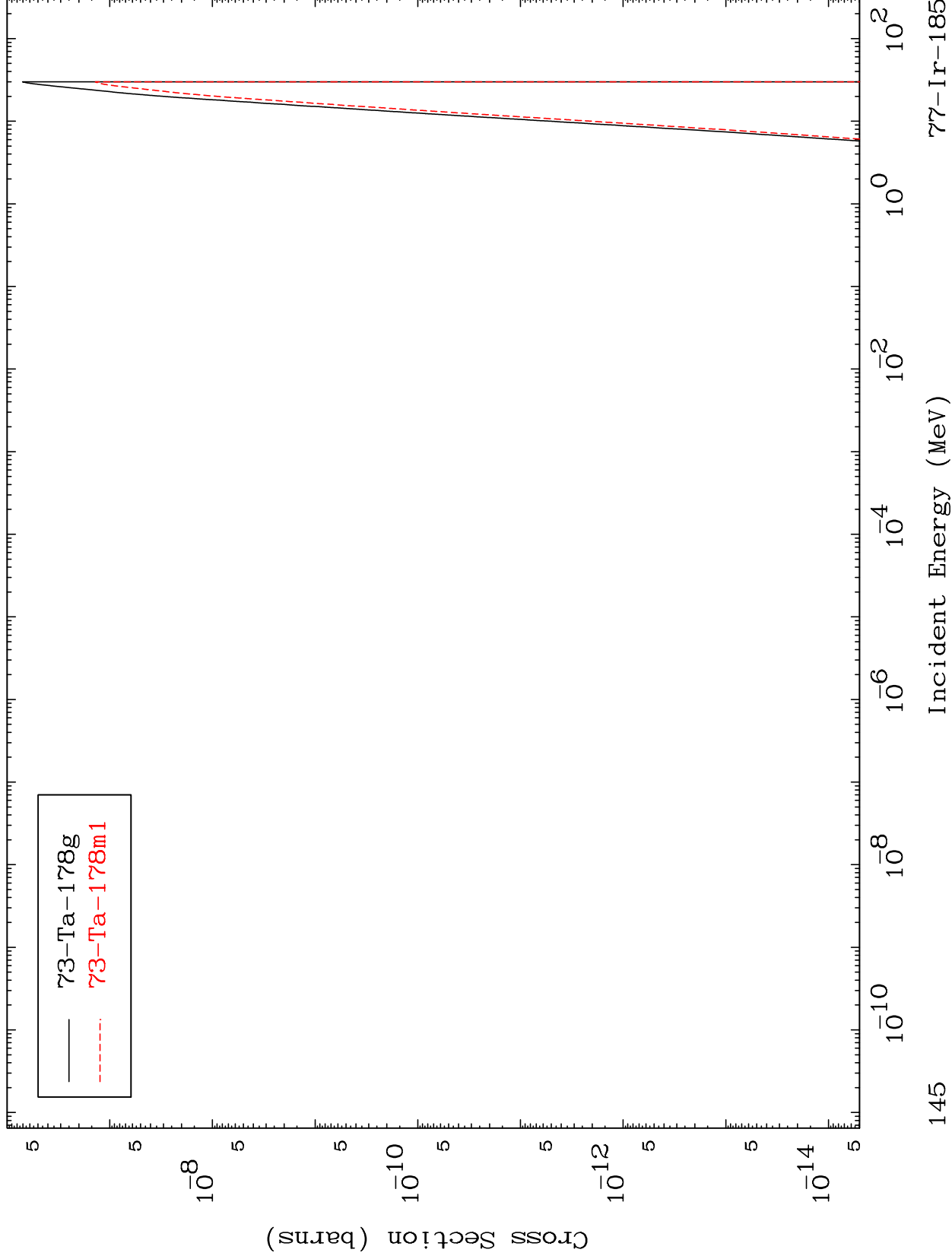


MAT 7707

(n,2α)

⁷⁷Ir-185

Radionuclide Production Cross Section



145

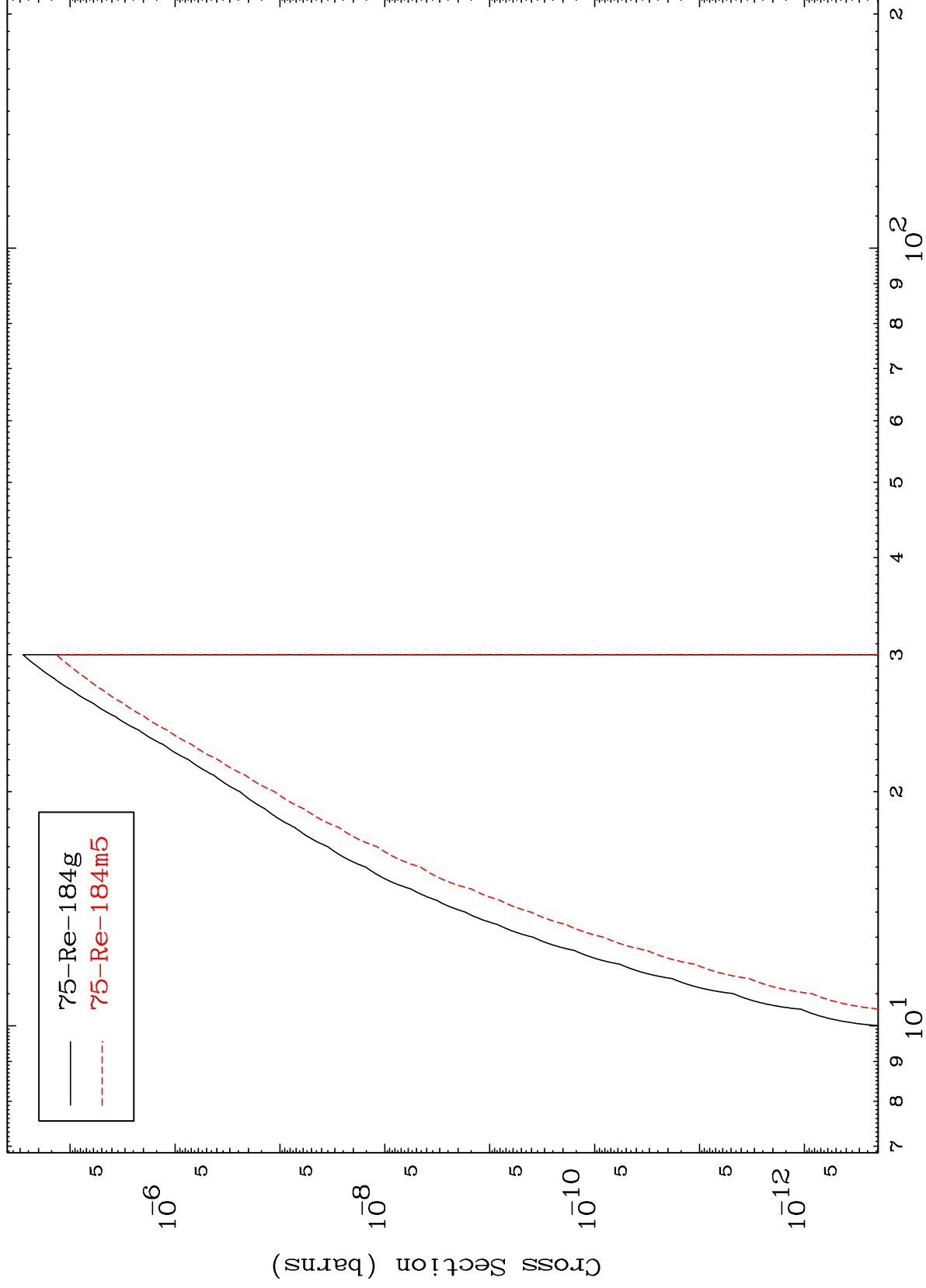
Incident Energy (MeV)

⁷⁷Ir-185

MAT 7707

⁷⁷Ir-185

(n,2p)
Radionuclide Production Cross Section



— 75-Re-184g
- - - 75-Re-184m5

⁷⁷Ir-185

Incident Energy (MeV)

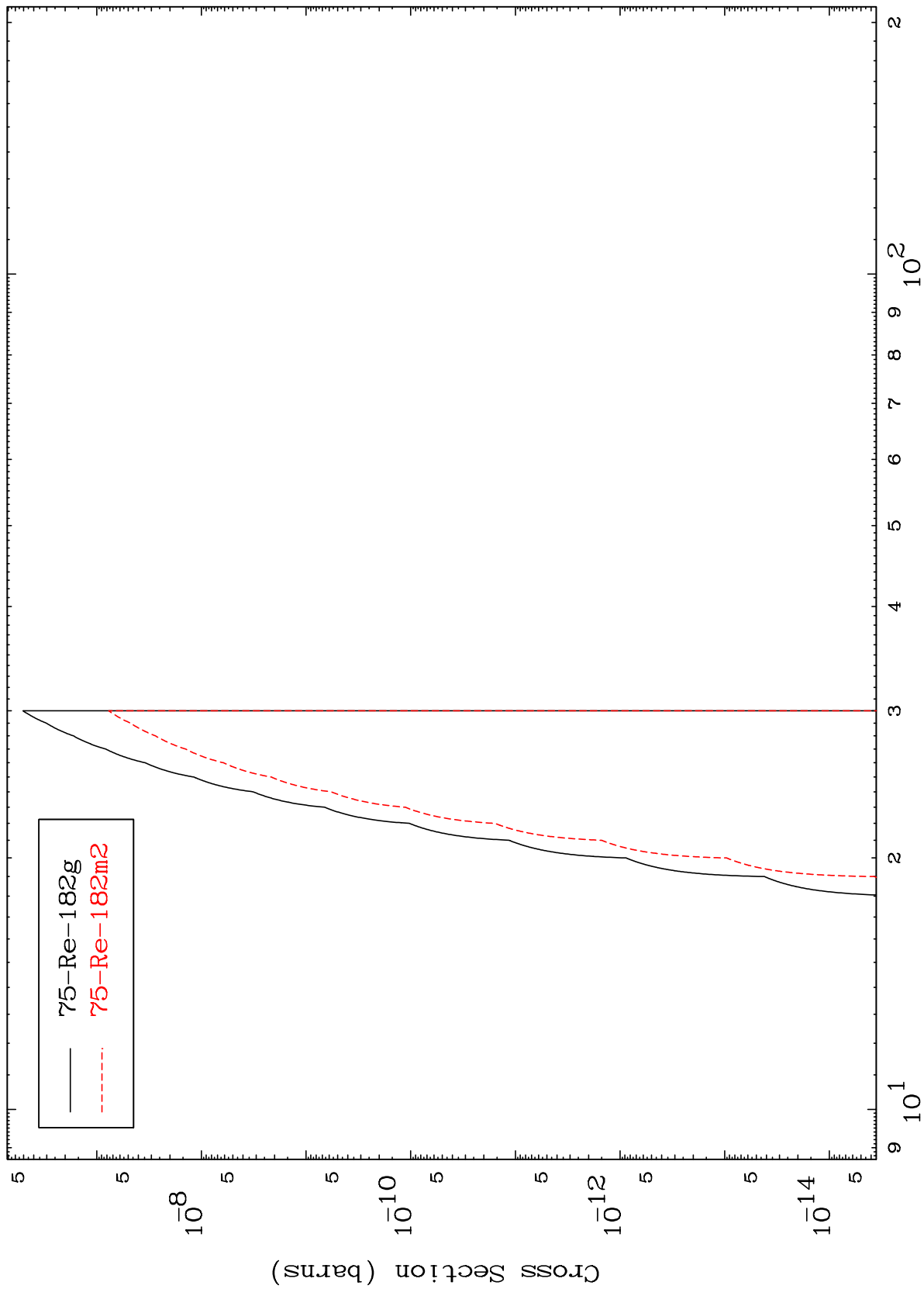
146

MAT 7707

(n,p) t

77-Ir-185

Radionuclide Production Cross Section



147

Incident Energy (MeV)

77-Ir-185