

Program EVALPLOT
(Version 2021-1)

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

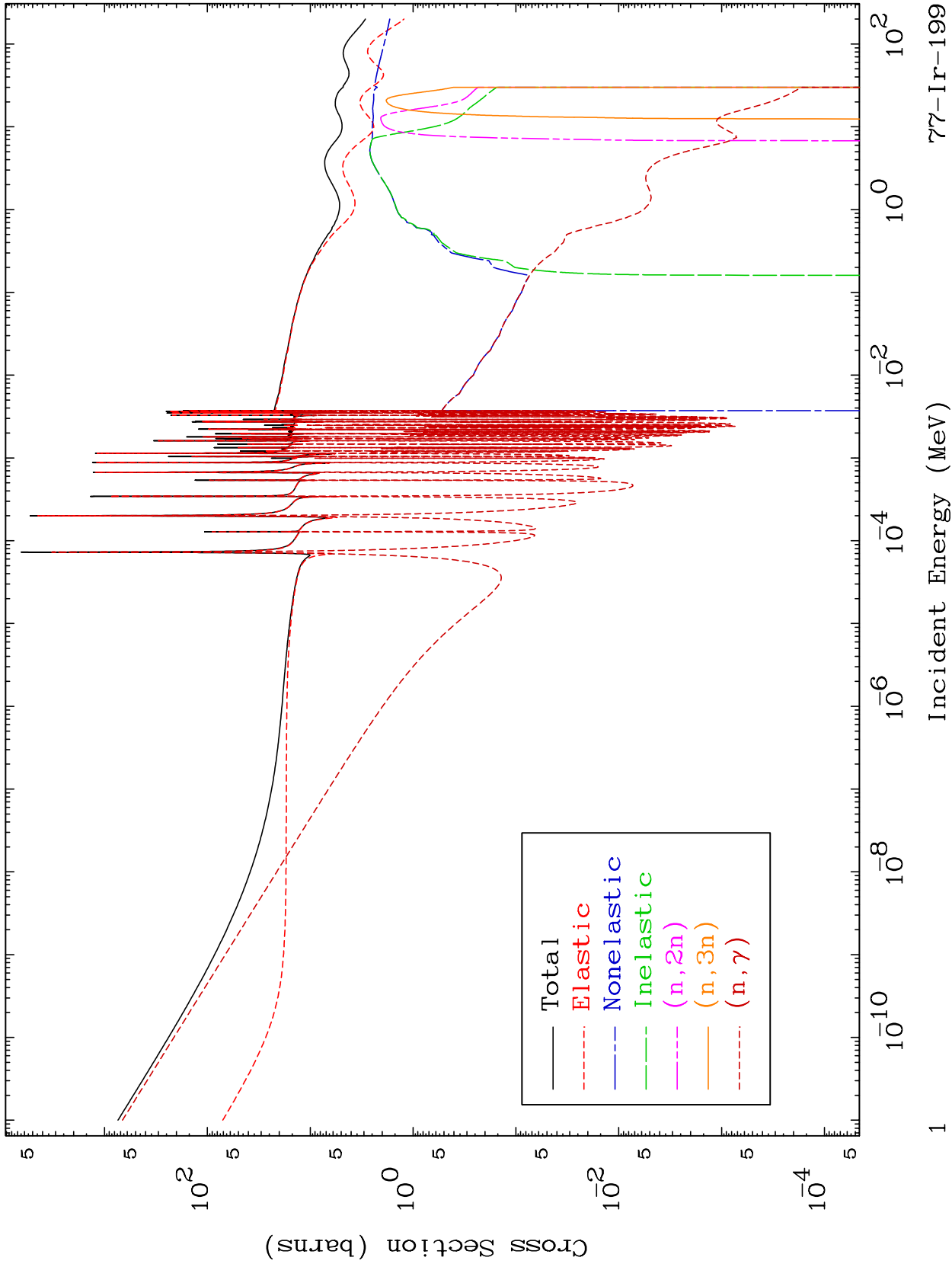
Web: redcullen1.net/HOMEPAGE.NEW

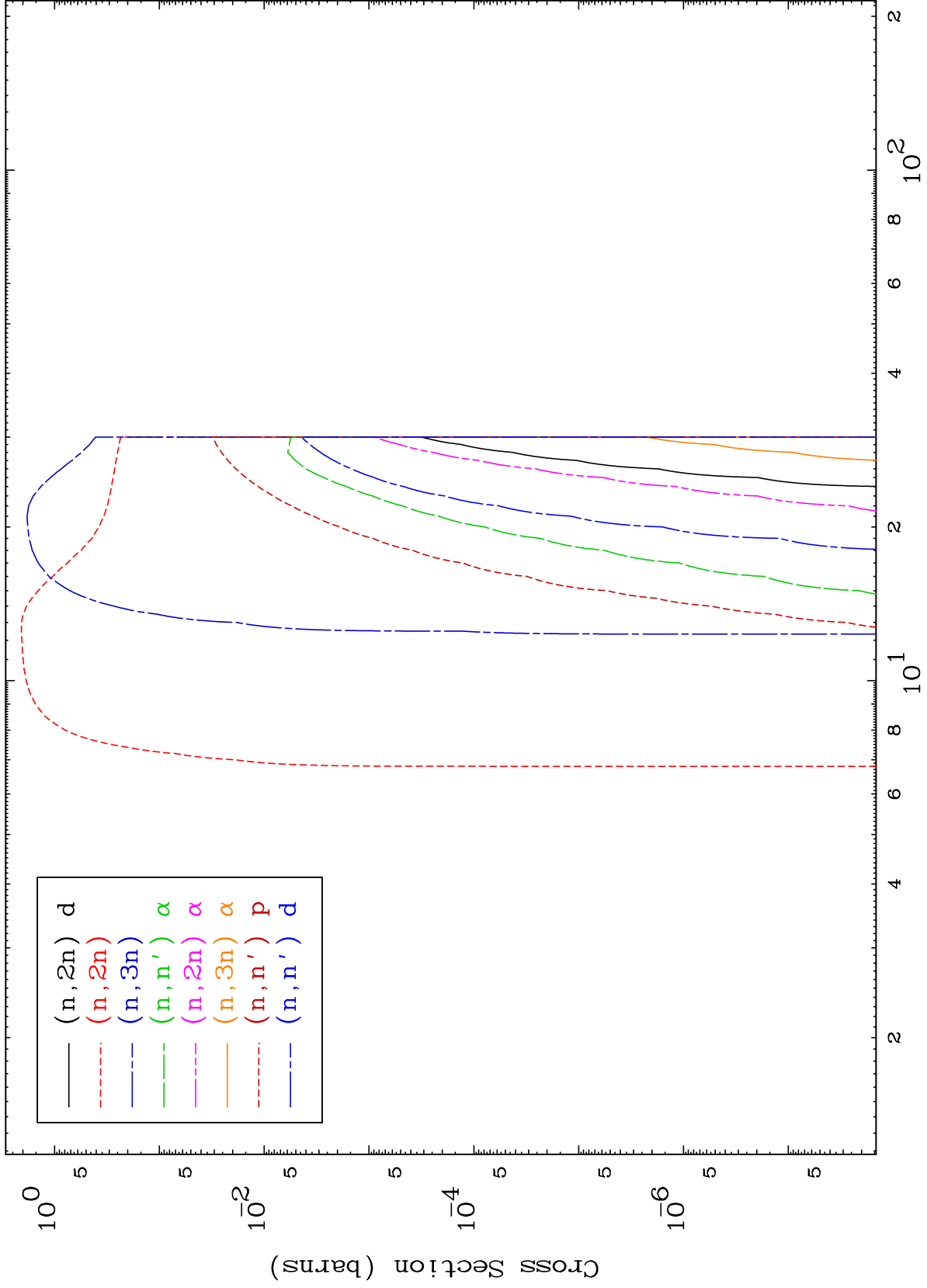
Press Mouse Button to Start

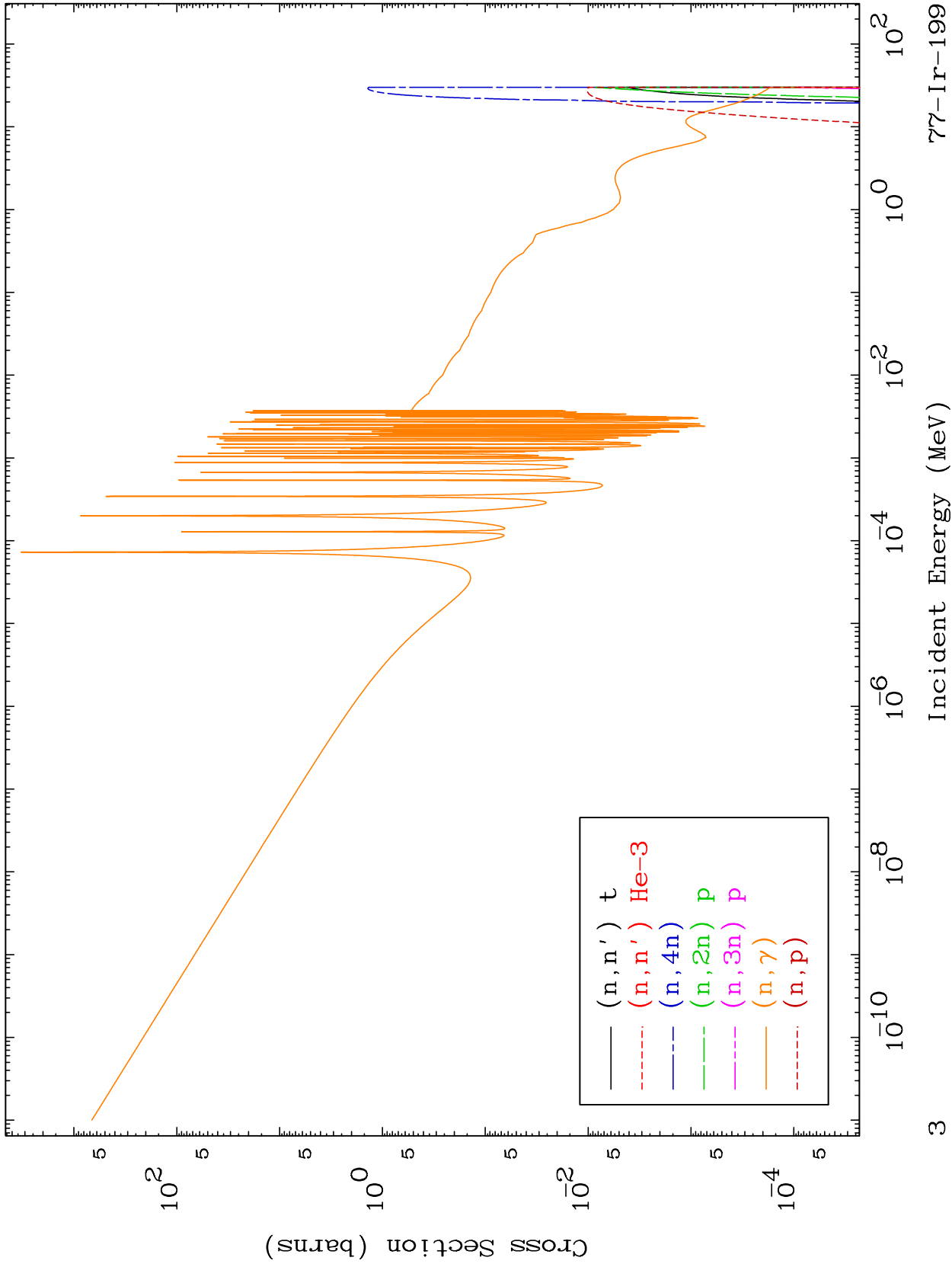
MAT 7749

Neutron Major
293 Kelvin Cross Sections

77-Ir-199



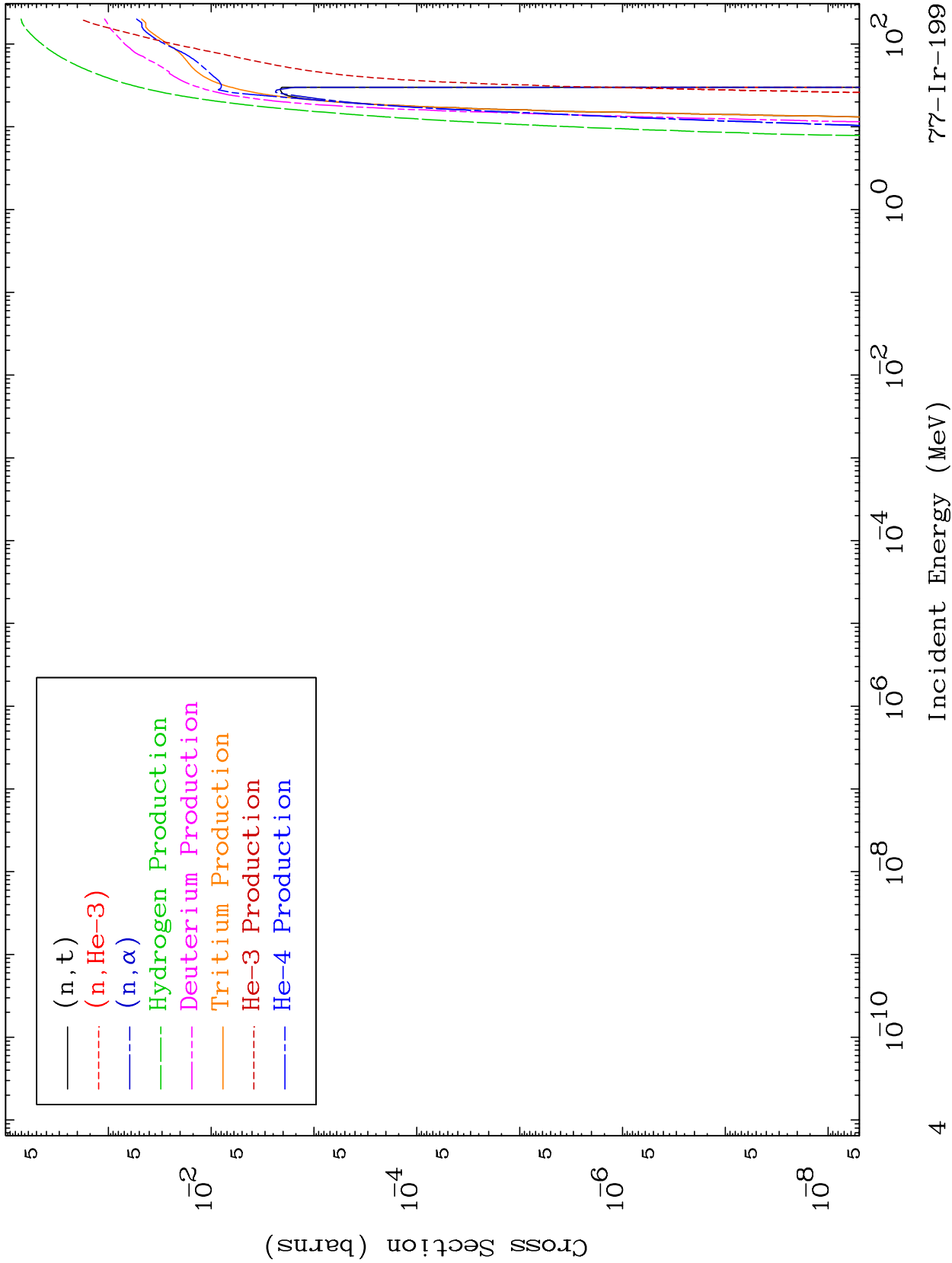


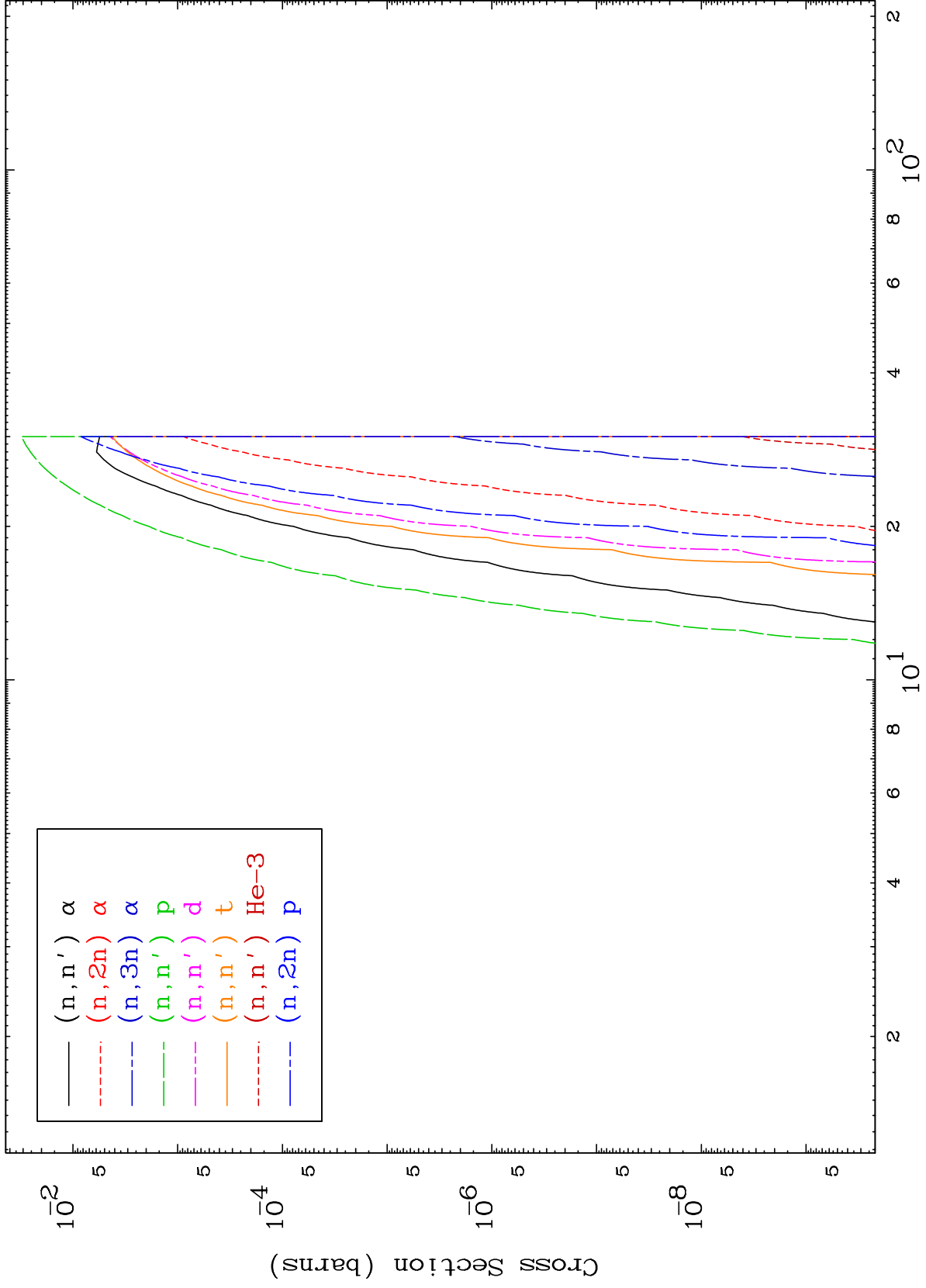


MAT 7749

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-199

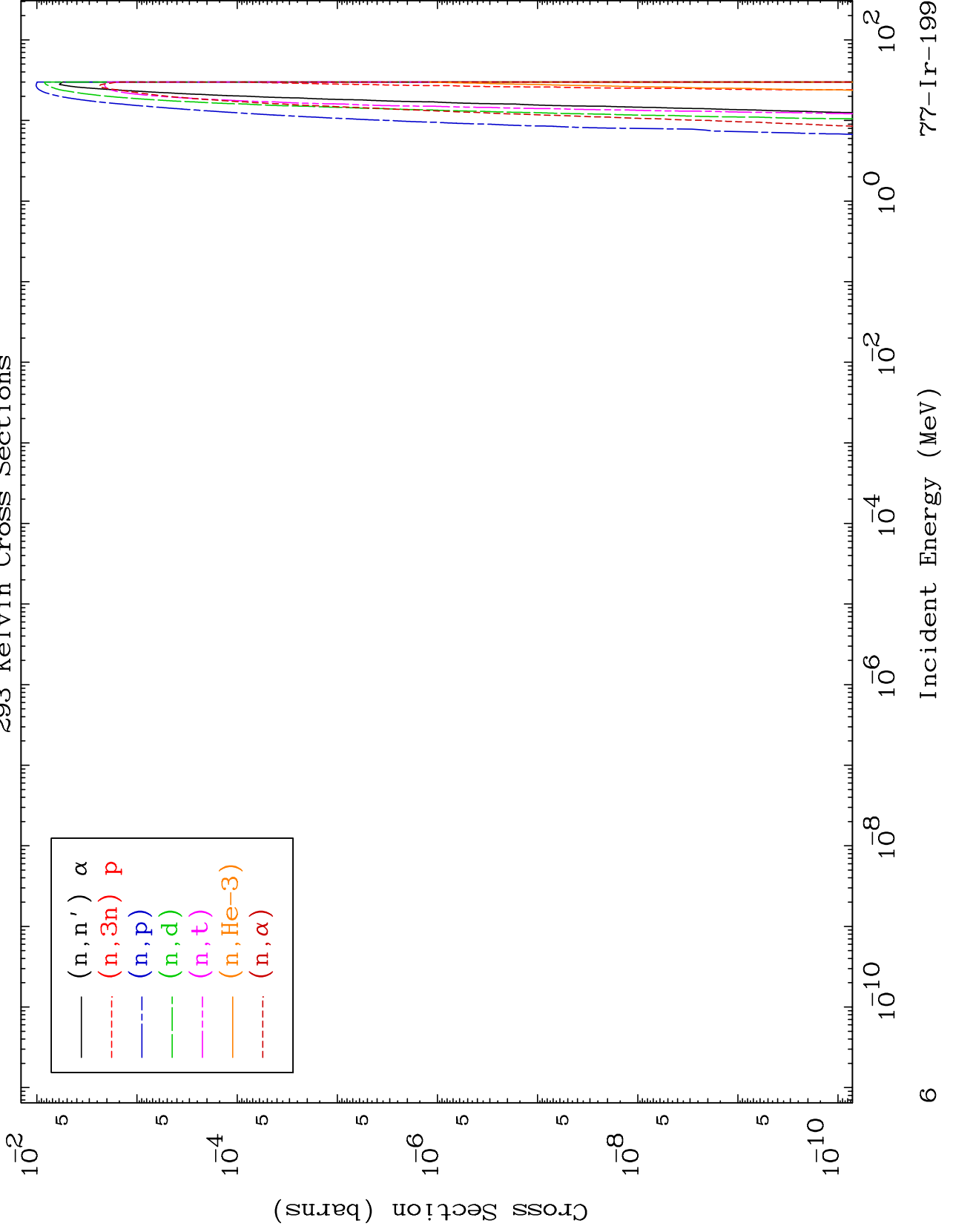


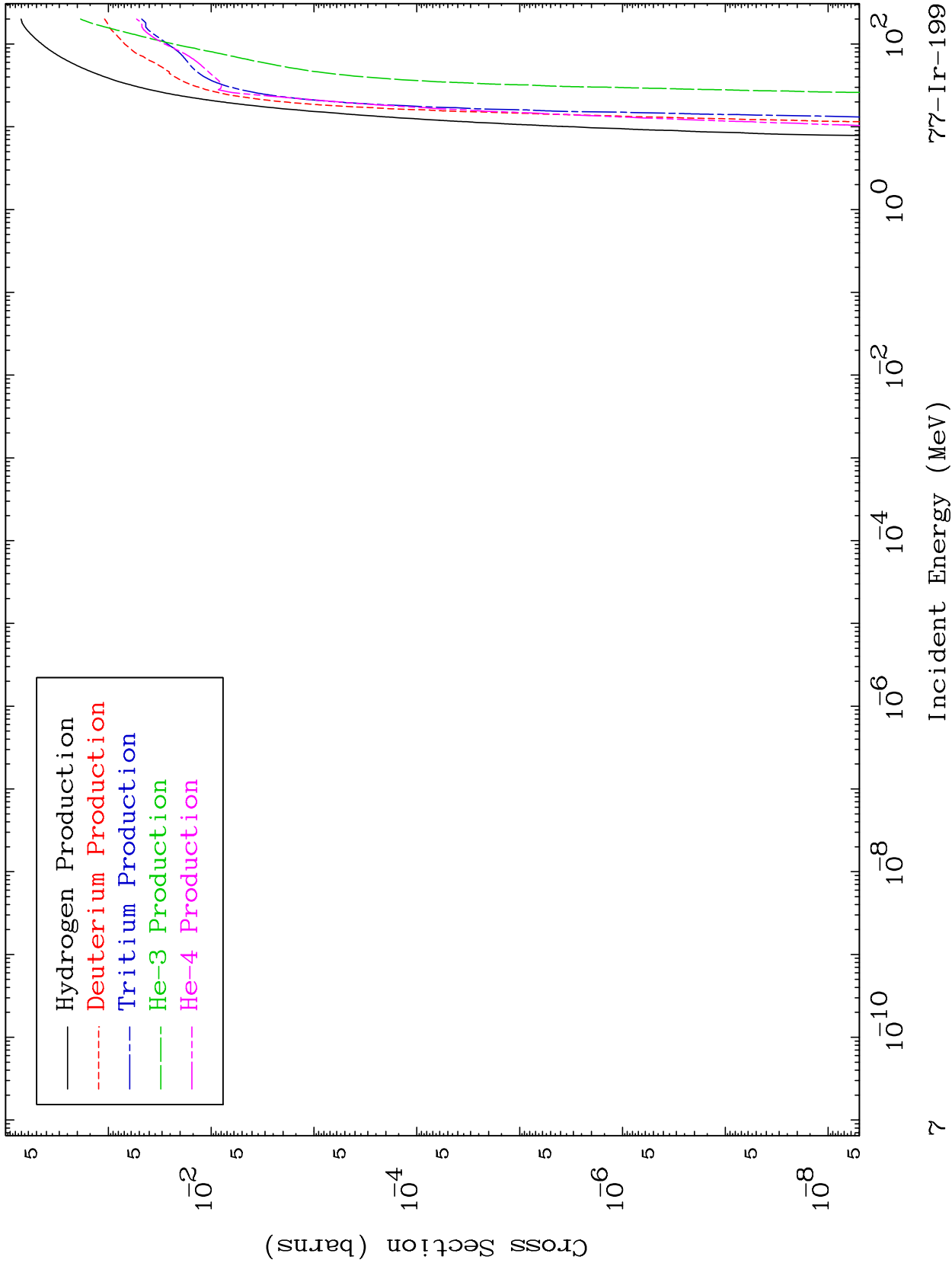


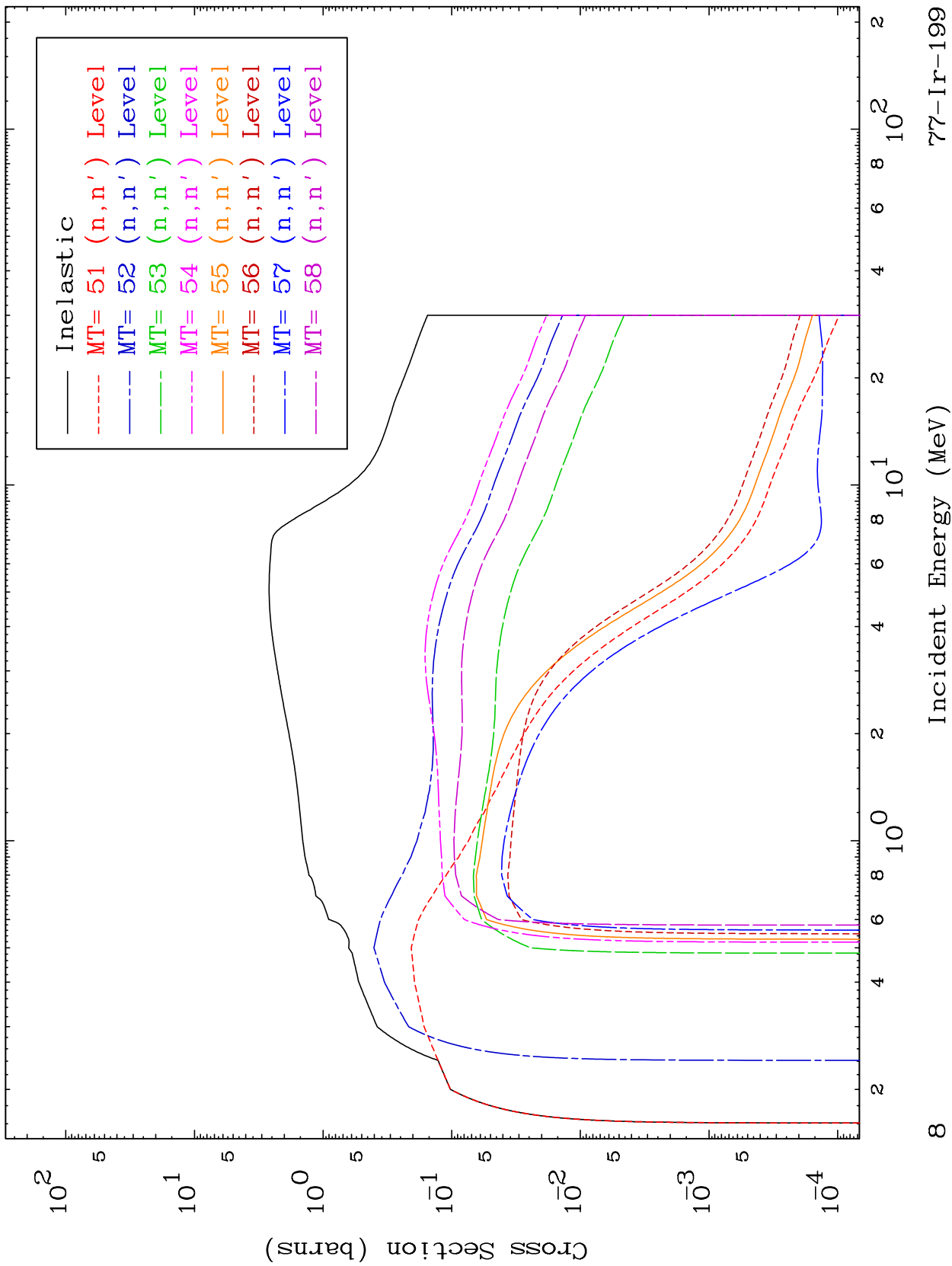
MAT 7749

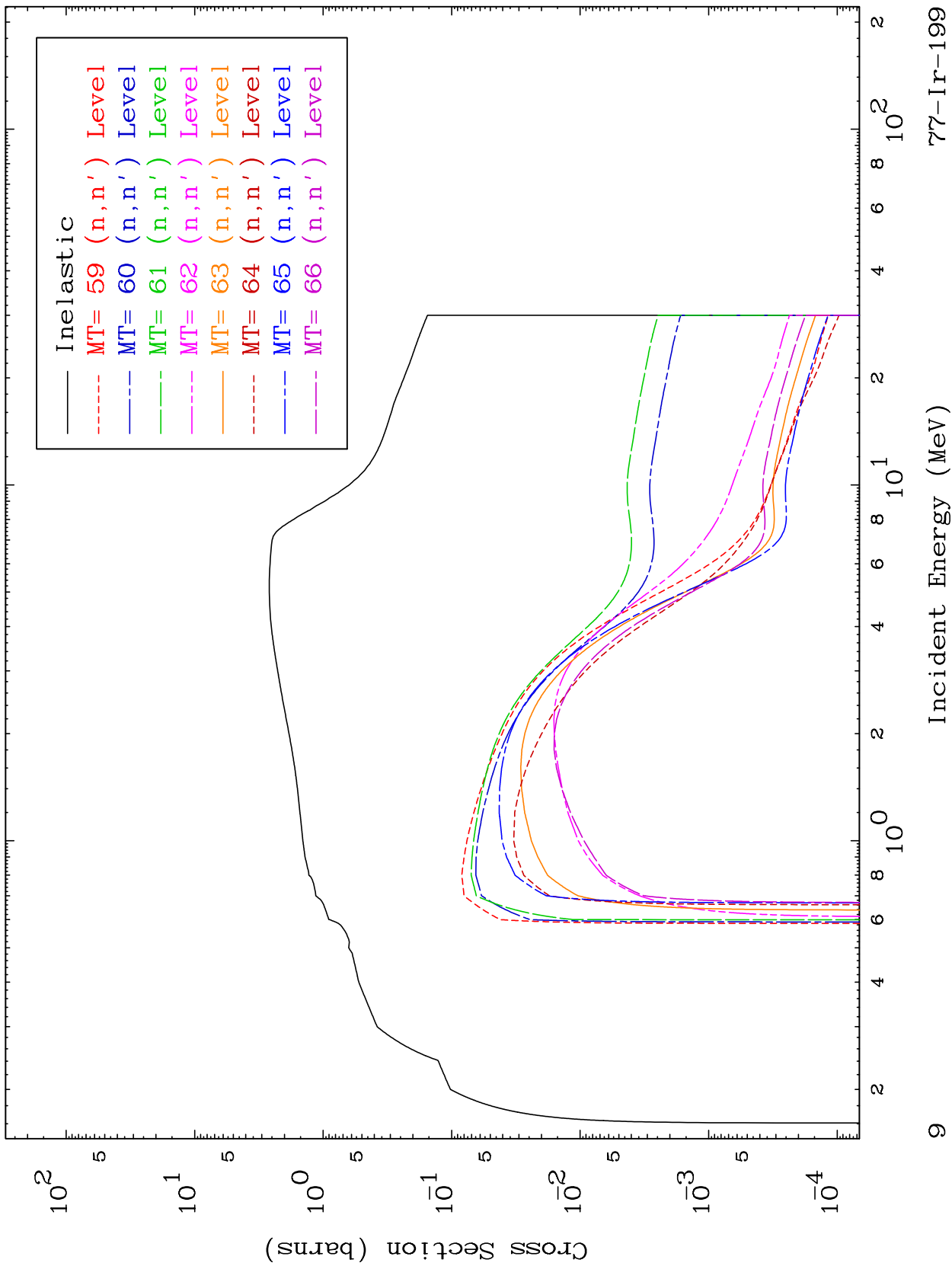
Charged Particle
293 Kelvin Cross Sections

77-Ir-199







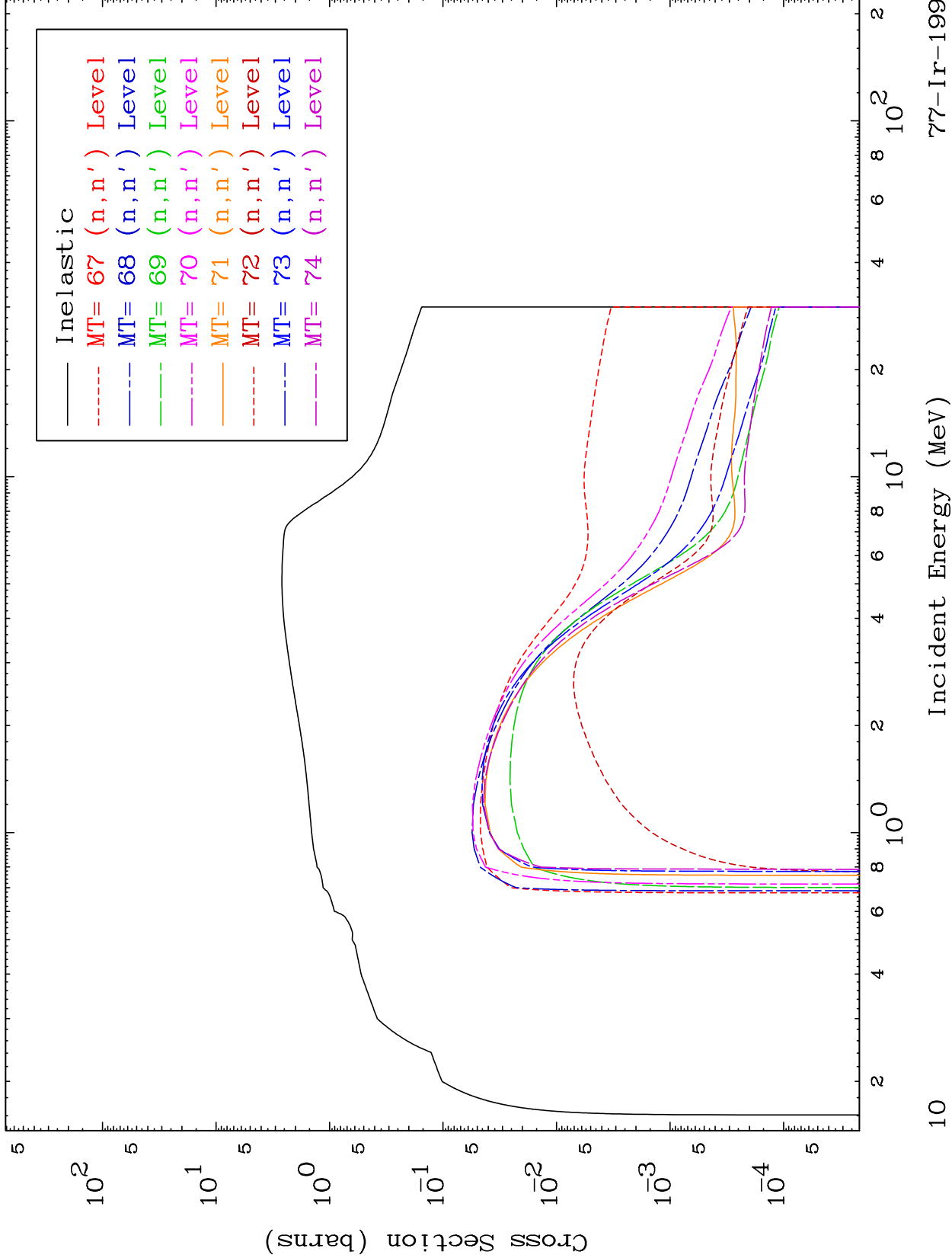


MAT 7749

(n,n') Levels

77-Ir-199

293 Kelvin Cross Sections



10

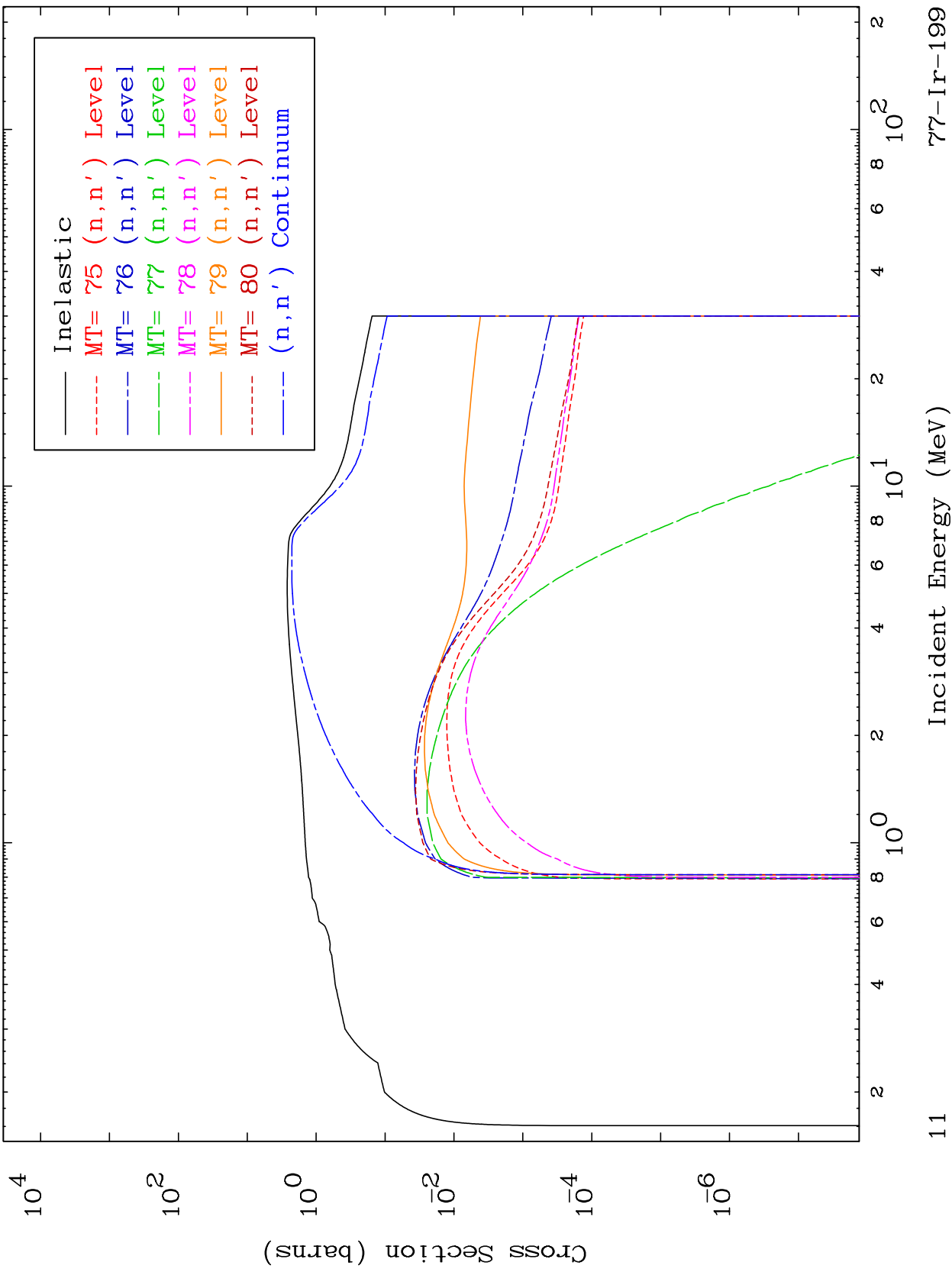
Incident Energy (MeV)

77-Ir-199

MAT 7749

(n,n') Levels
293 Kelvin Cross Sections

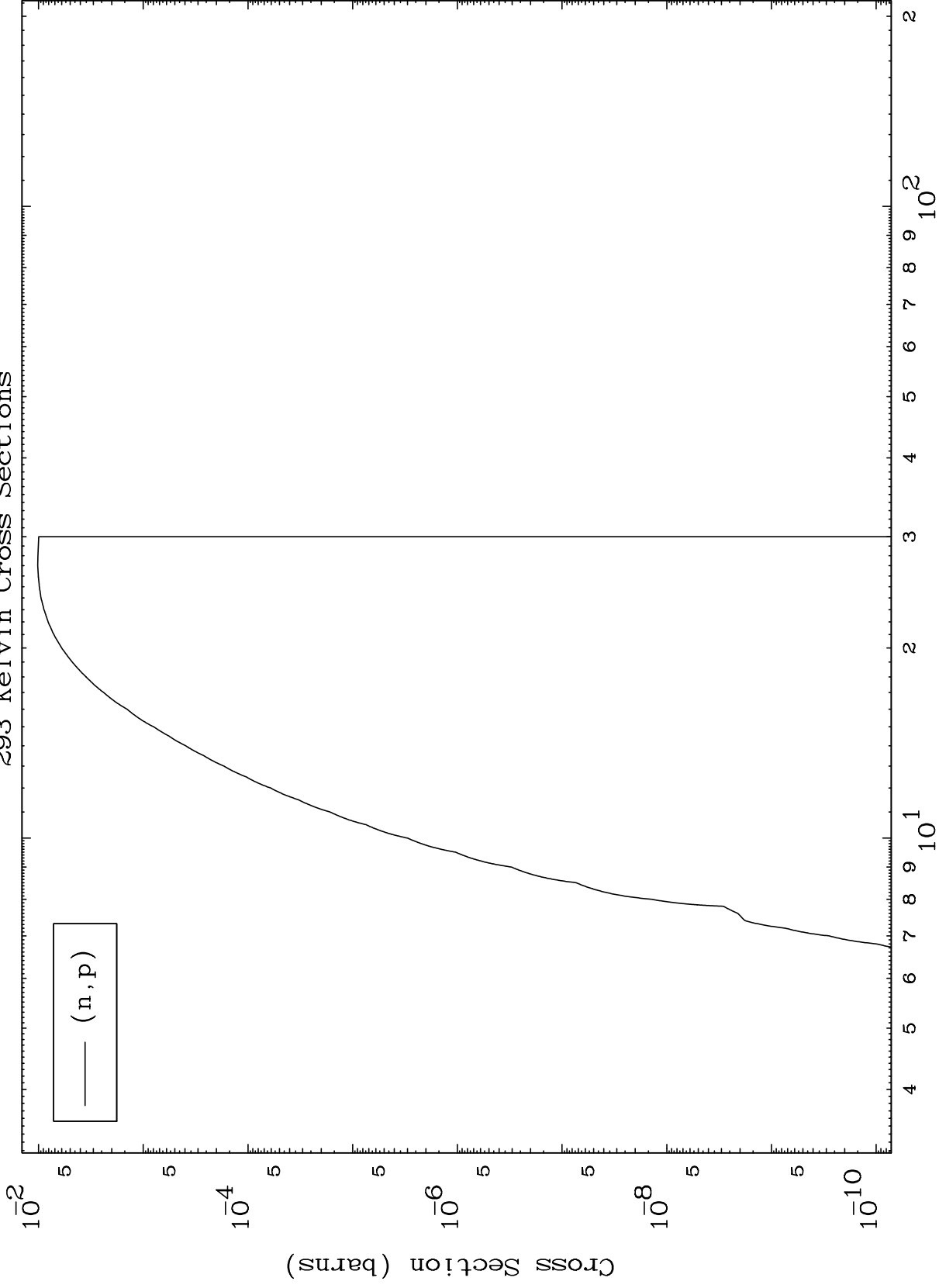
77-Ir-199



MAT 7749

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-199



12

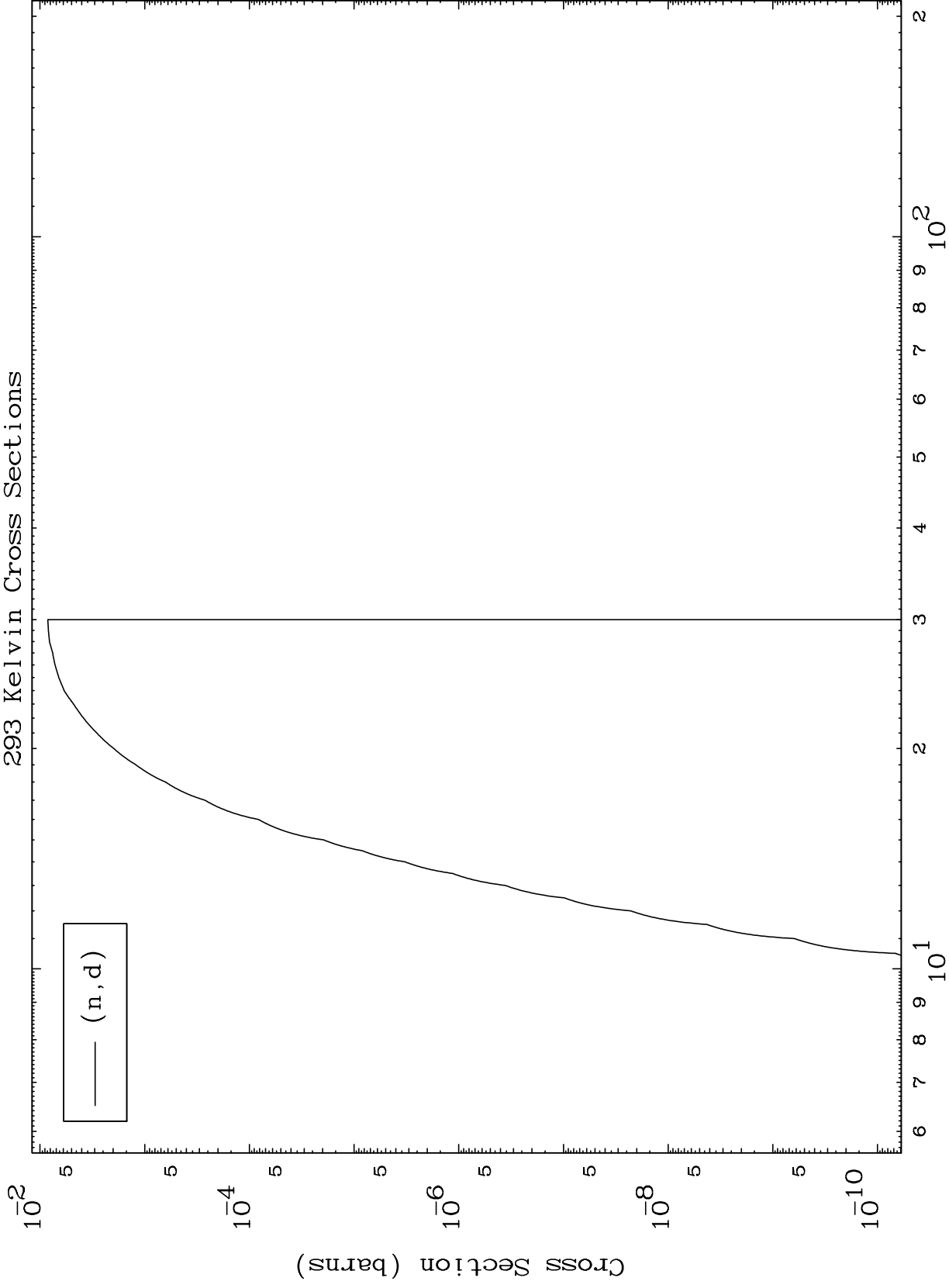
Incident Energy (MeV)

77-Ir-199

MAT 7749

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-199



13

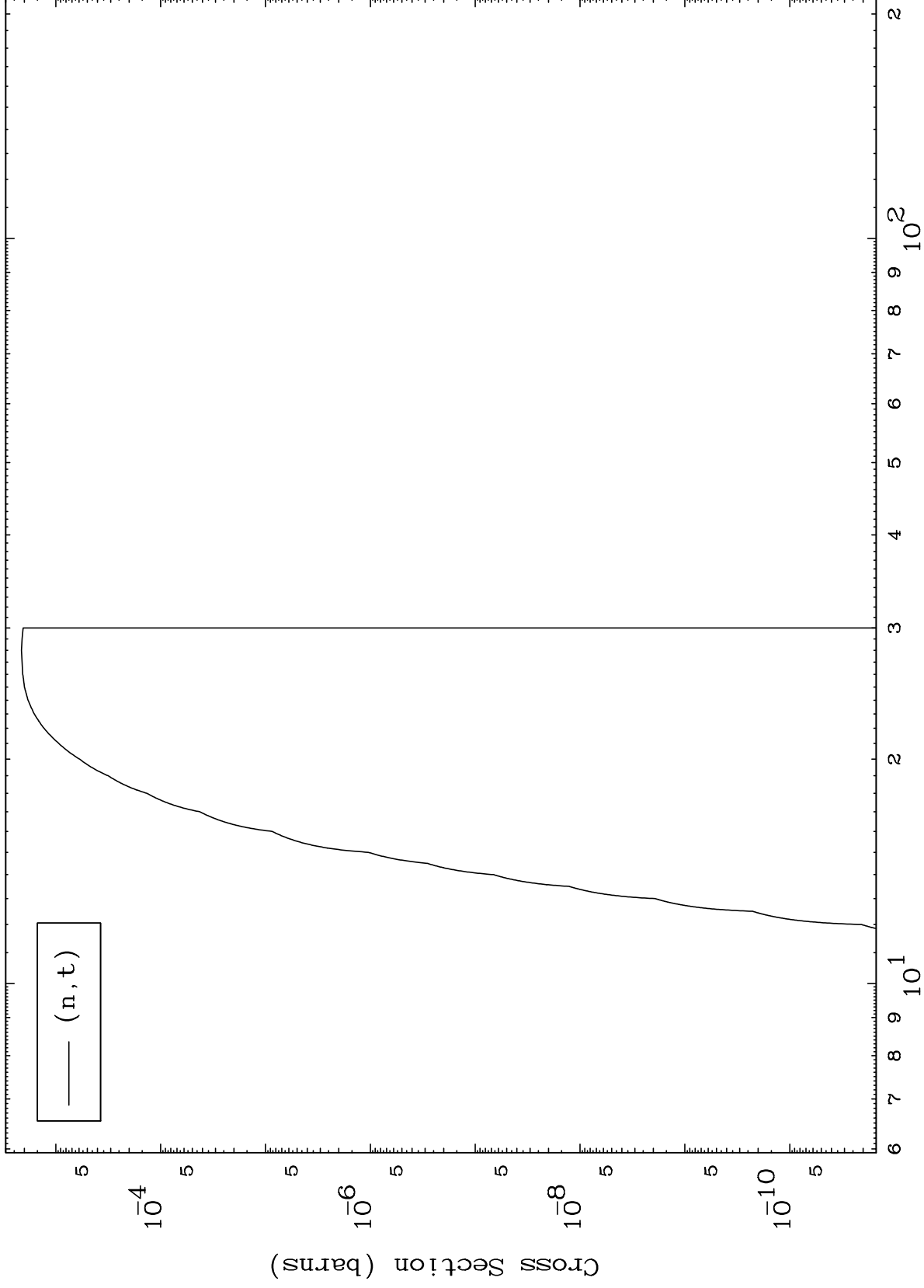
Incident Energy (MeV)

77-Ir-199

MAT 7749

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-199



14

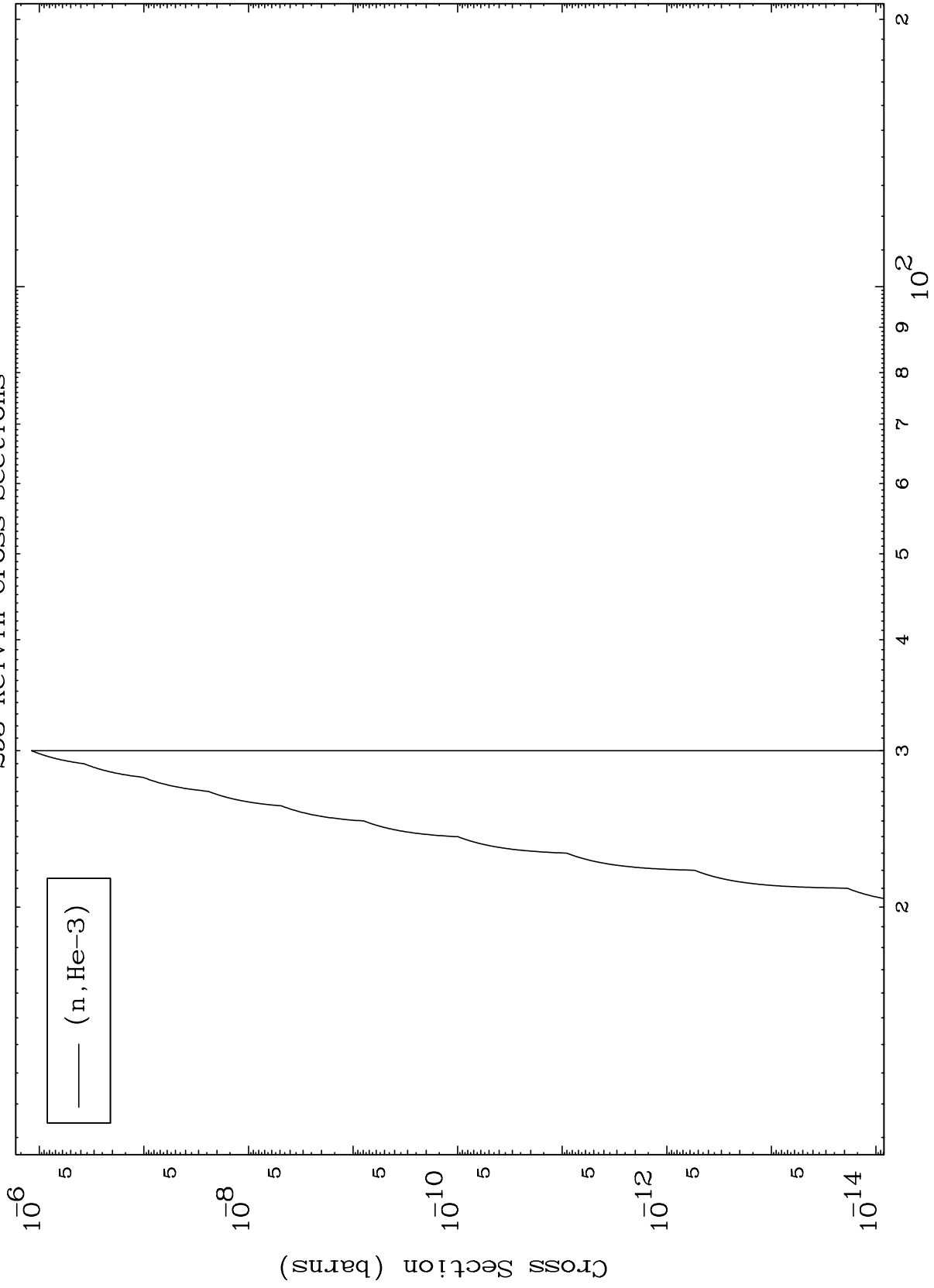
Incident Energy (MeV)

77-Ir-199

MAT 7749

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-199



15

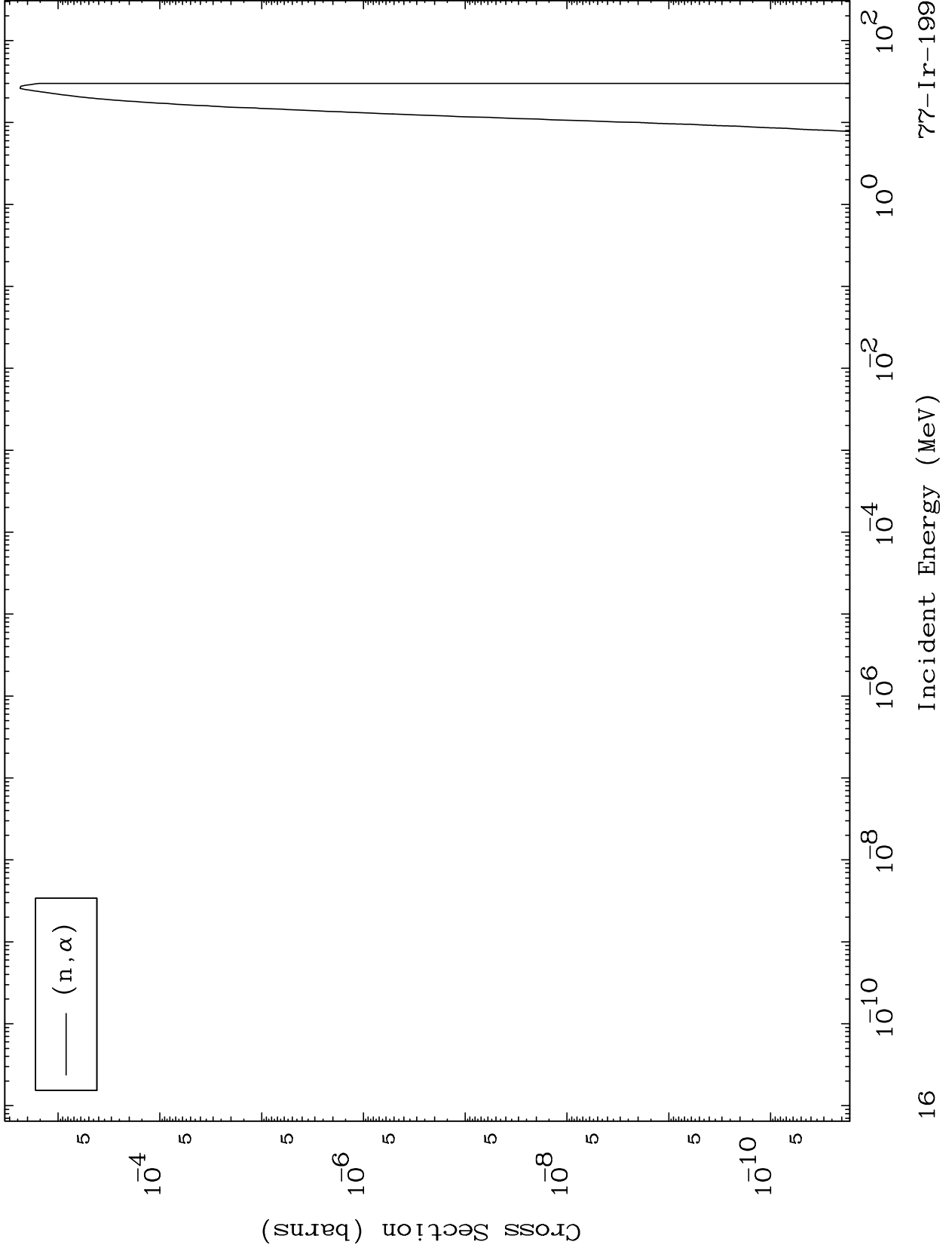
Incident Energy (MeV)

77-Ir-199

MAT 7749

(n, α) Levels
293 Kelvin Cross Sections

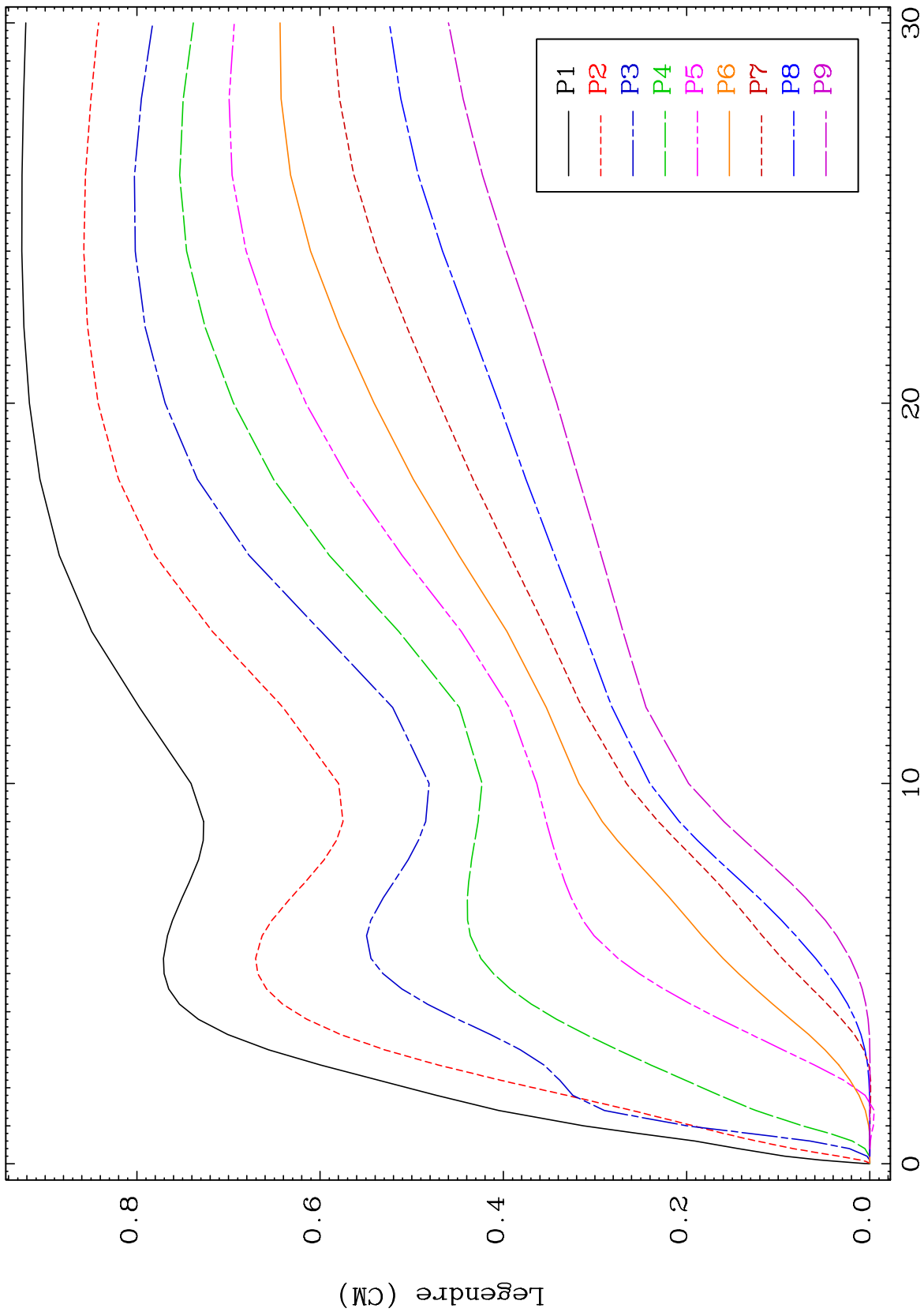
77-Ir-199



MAT 7749

77-Ir-199

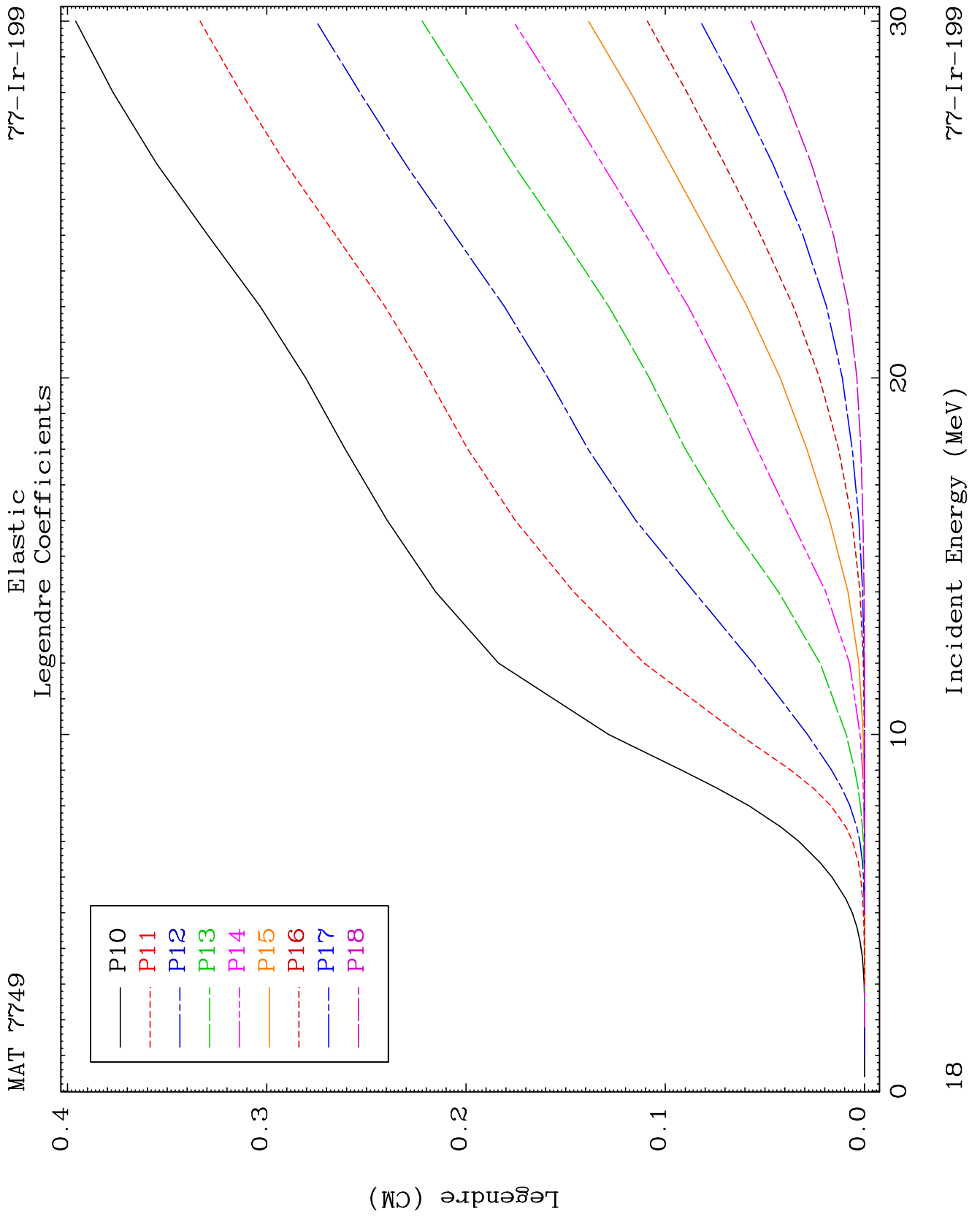
Elastic Legendre Coefficients



17

77-Ir-199

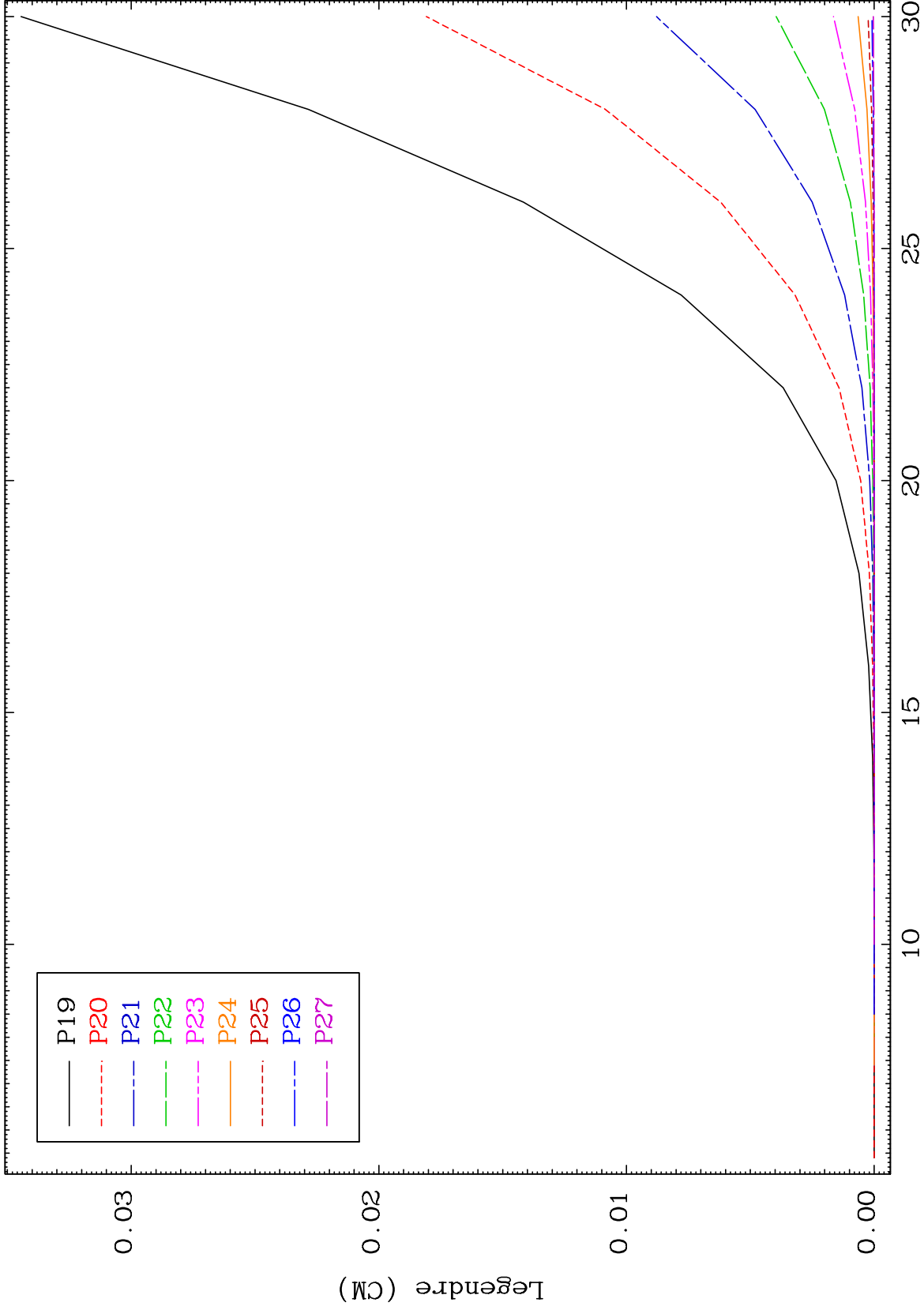
77-Ir-199



MAT 7749

Elastic Legendre Coefficients

77-Ir-199



19

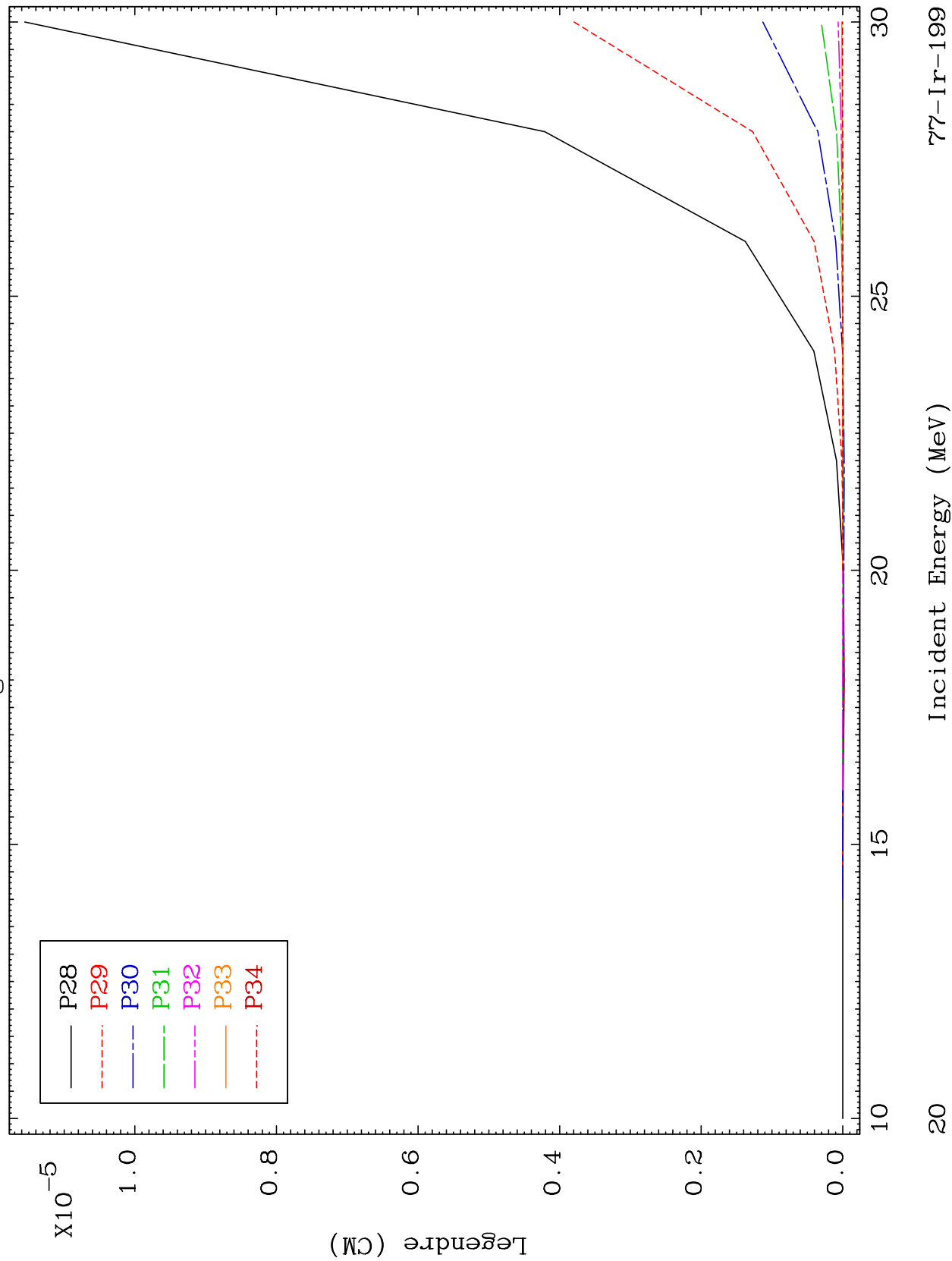
Incident Energy (MeV)

77-Ir-199

MAT 7749

Elastic Legendre Coefficients

77-Ir-199



77-Ir-199

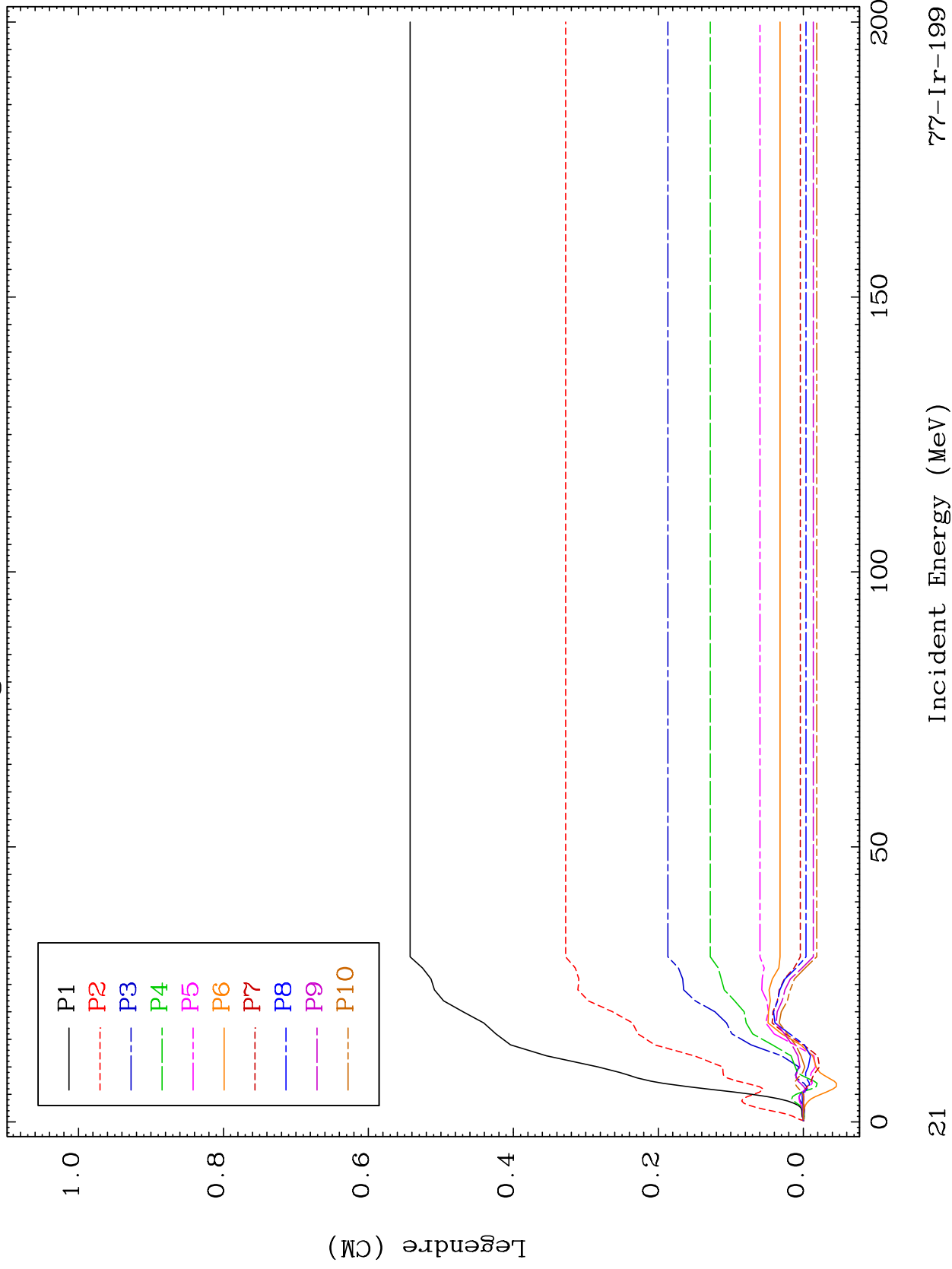
Incident Energy (MeV)

20

MAT 7749

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

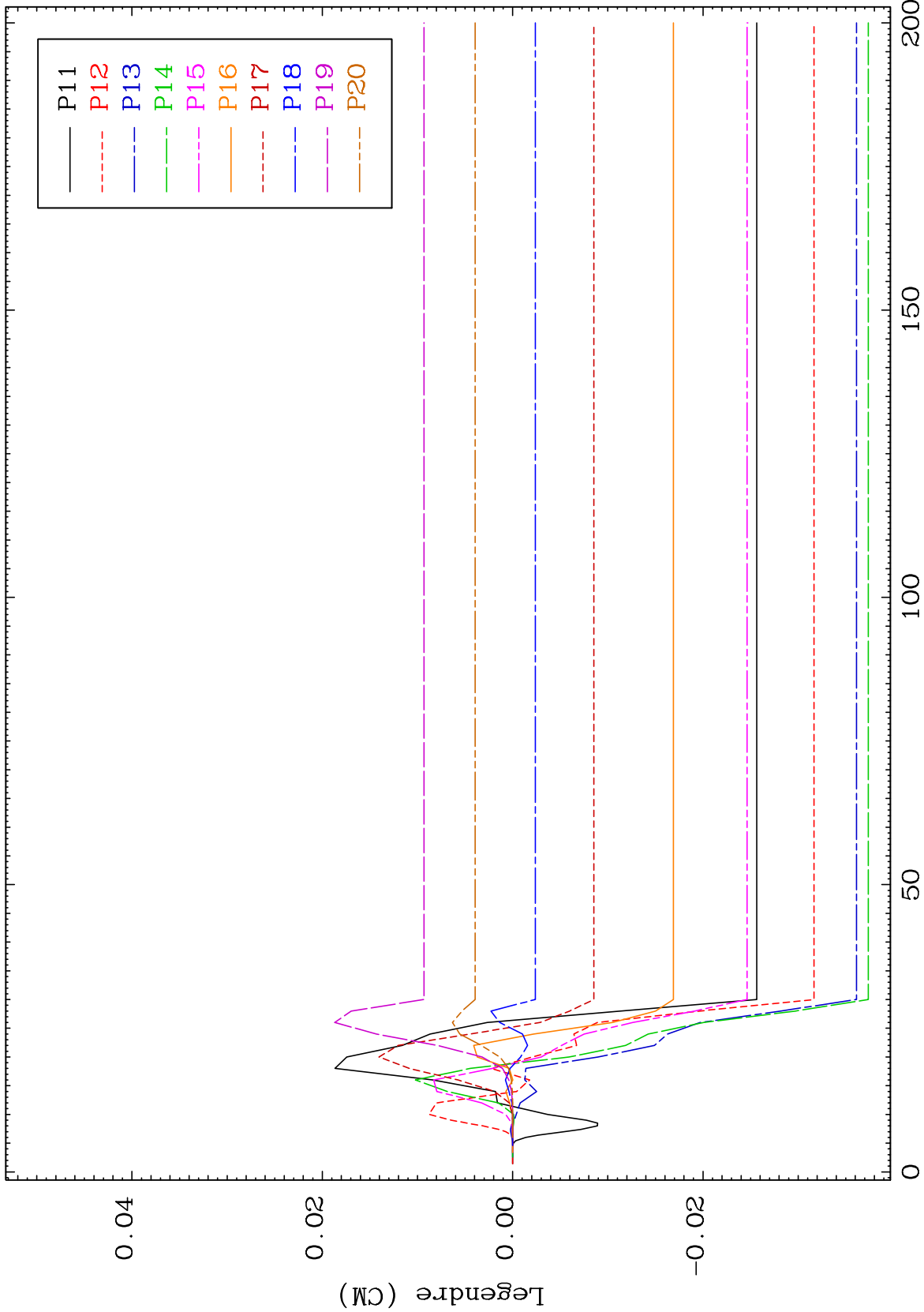
77-Ir-199



MAT 7749

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

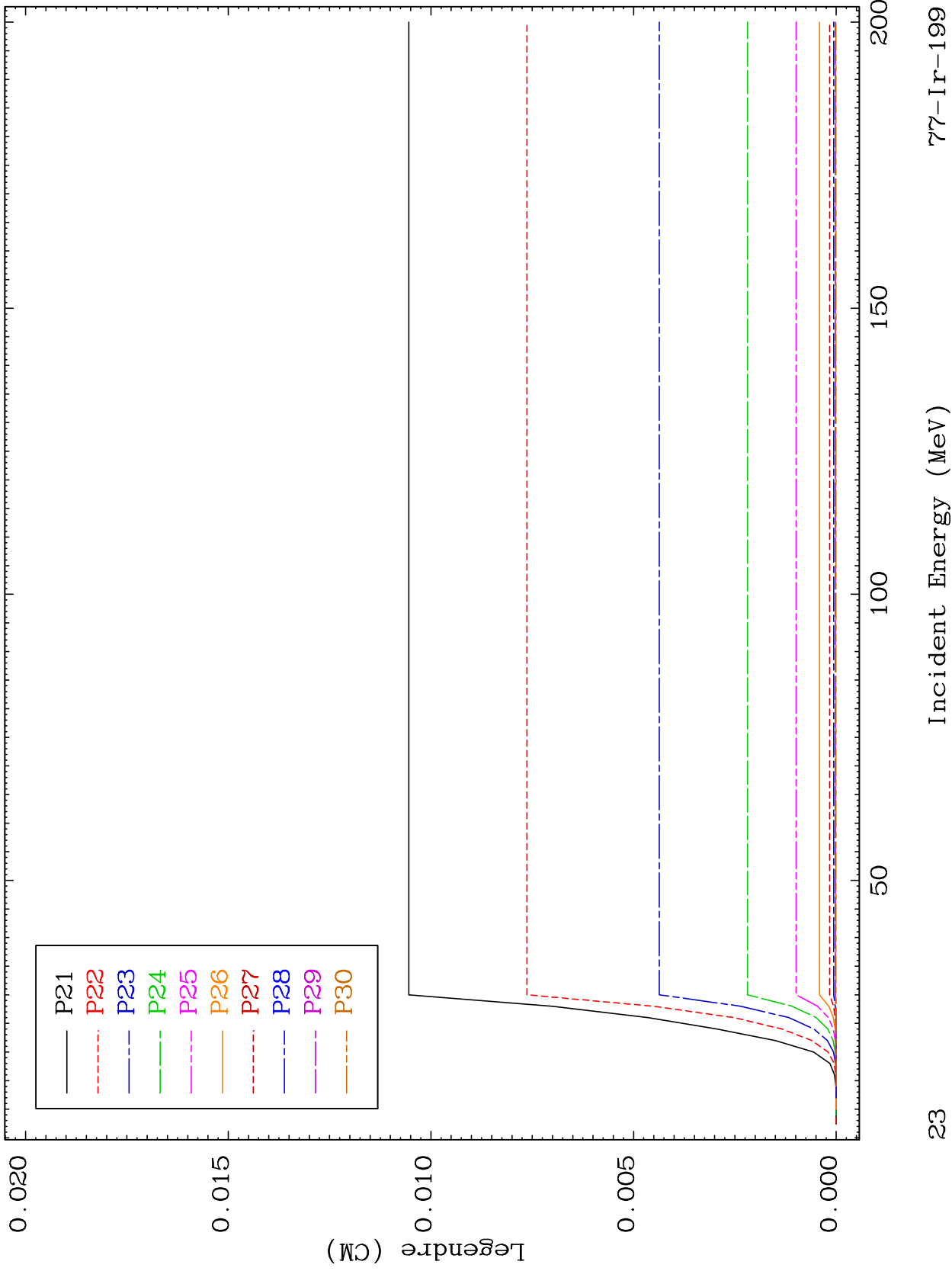
77-Ir-199

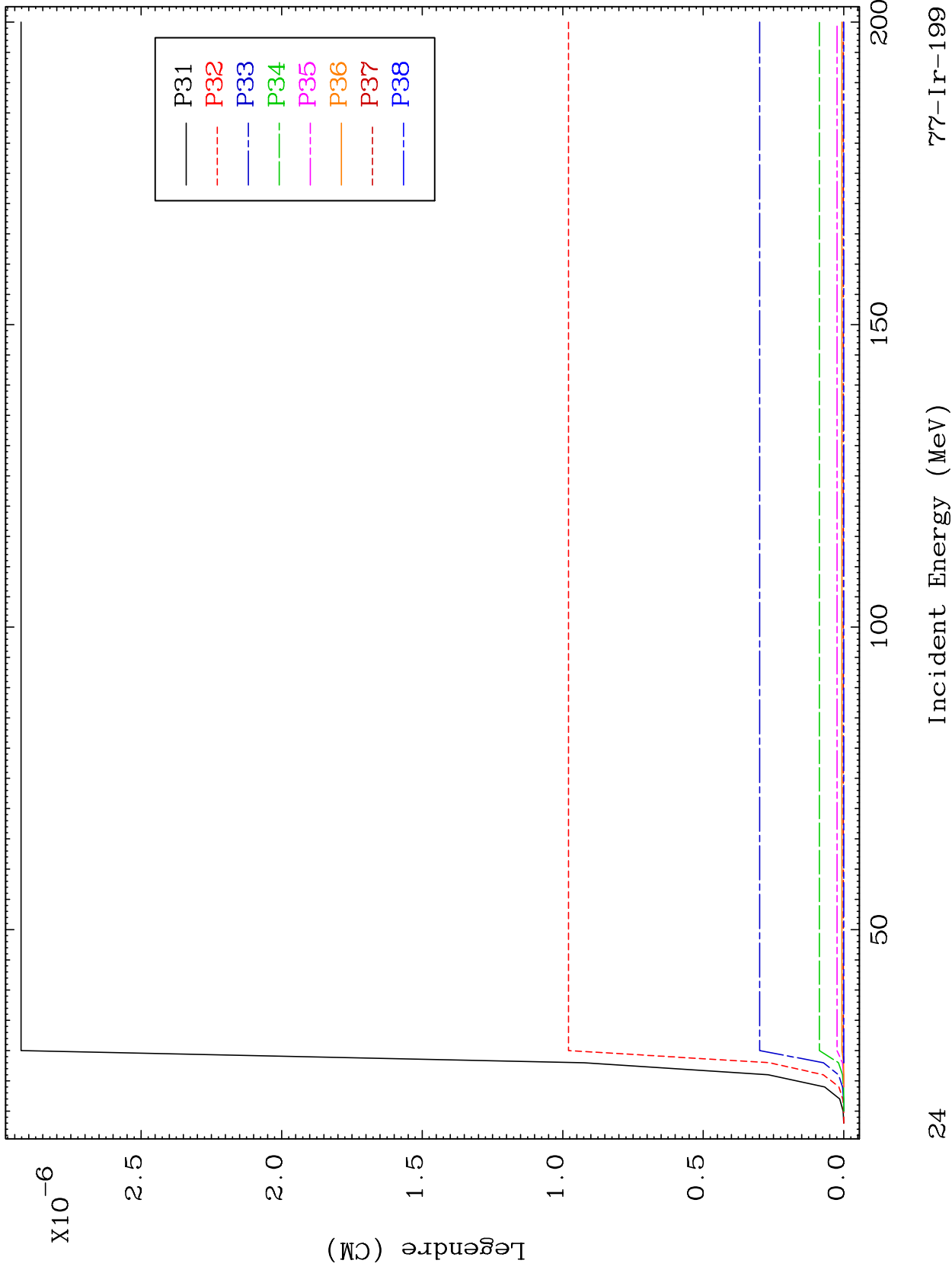


22

Incident Energy (MeV)

77-Ir-199

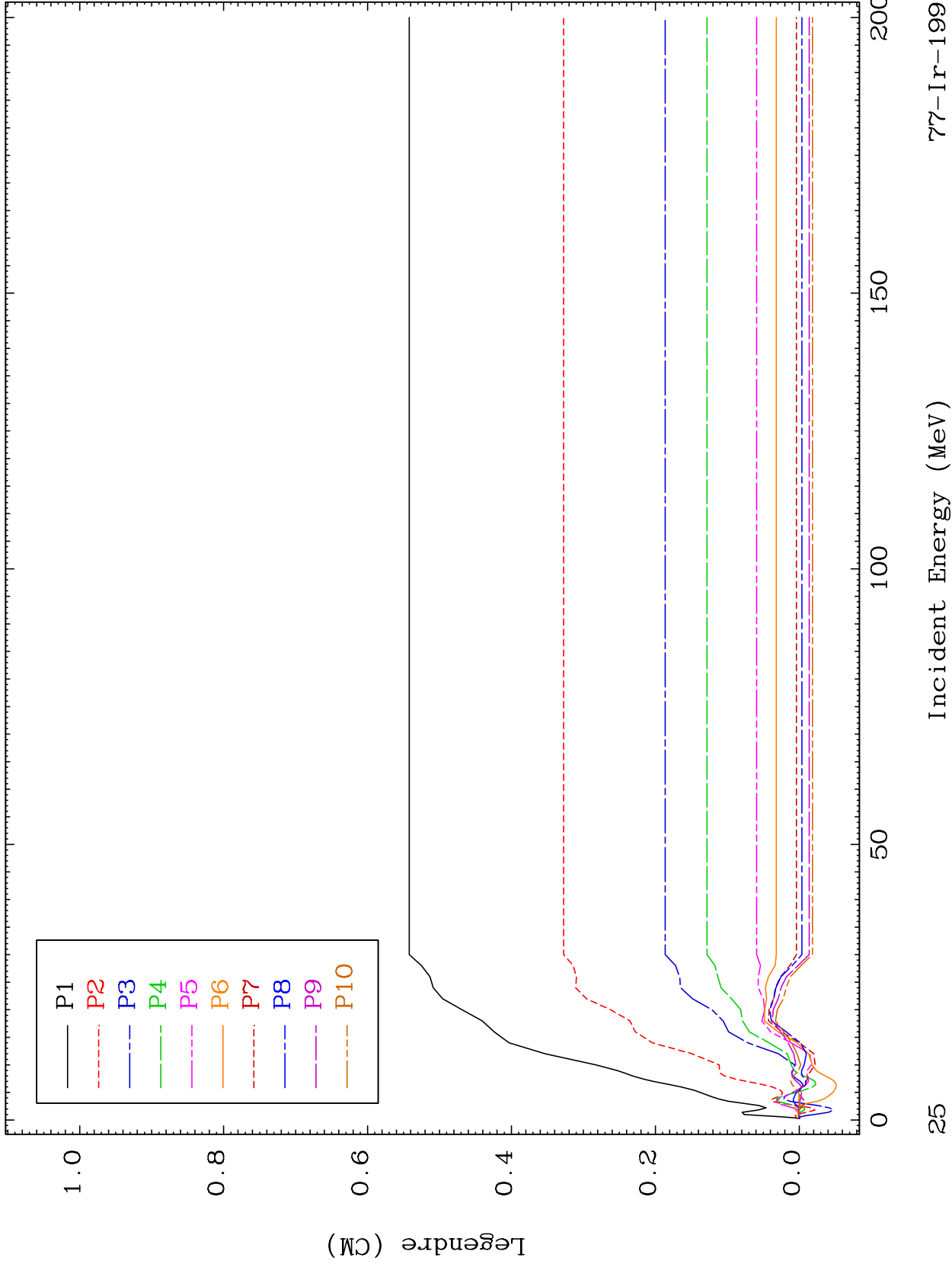




MAT 7749

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

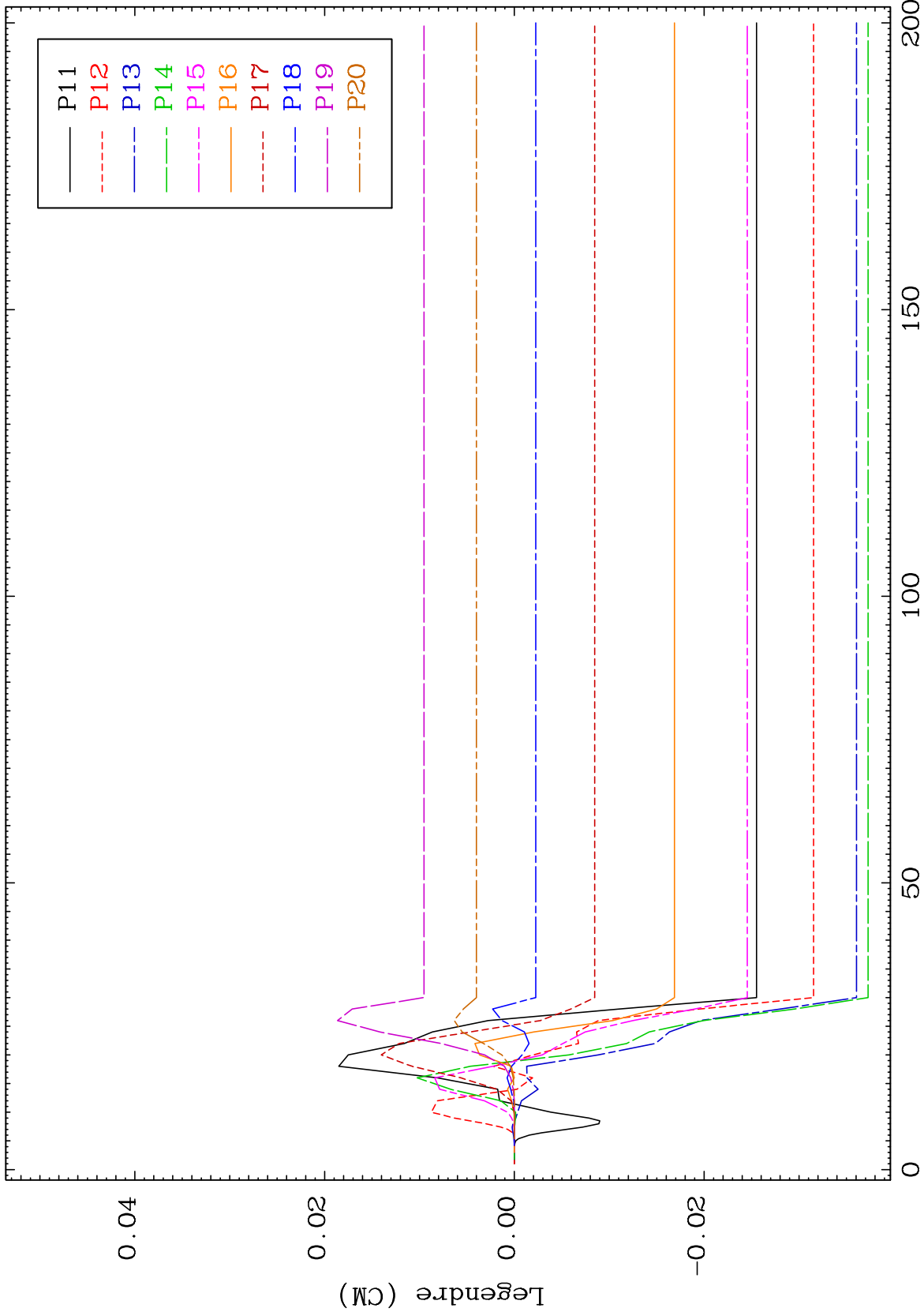
77-Ir-199



77-Ir-199

Incident Energy (MeV)

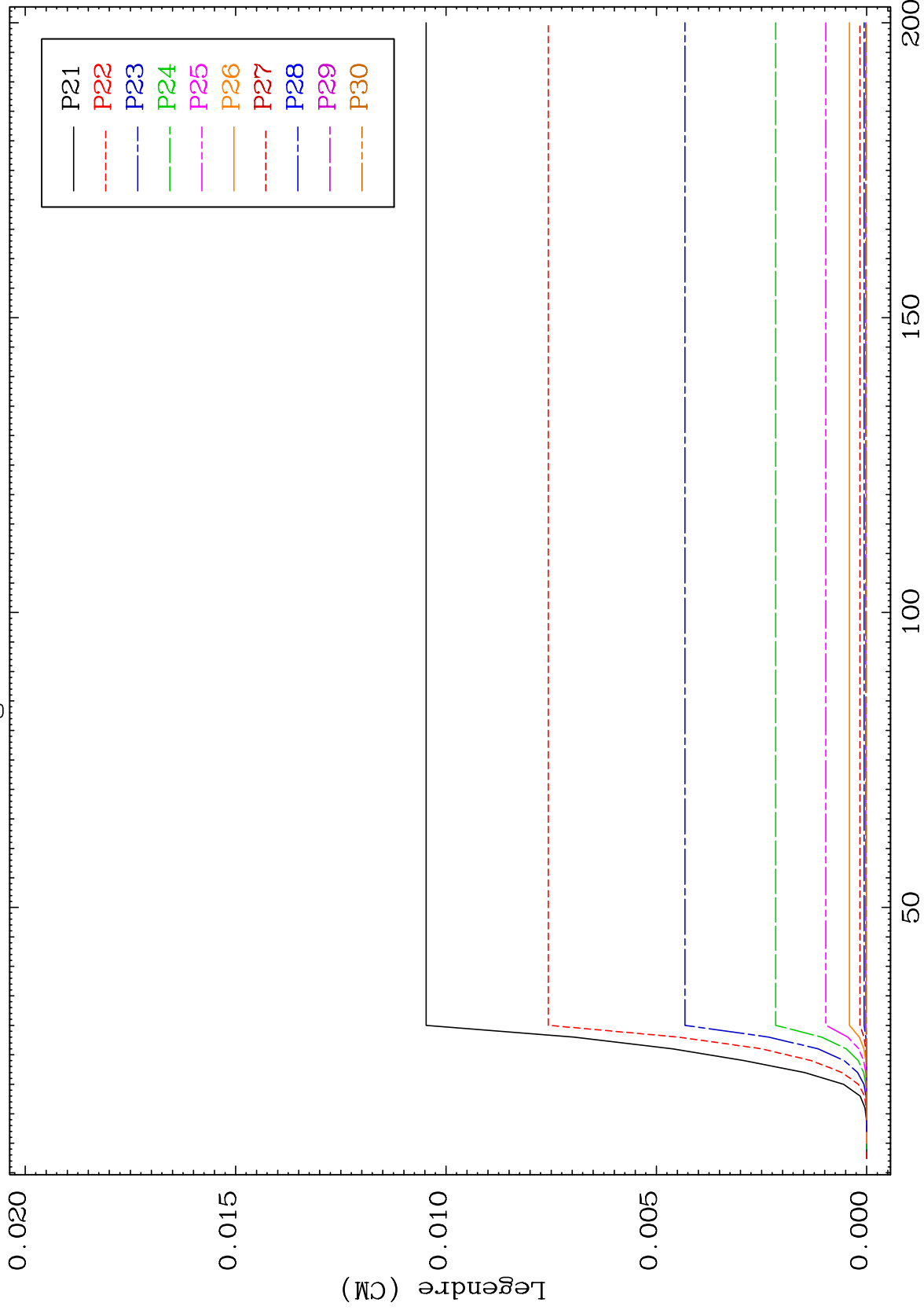
25



MAT 7749

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

77-Ir-199



27

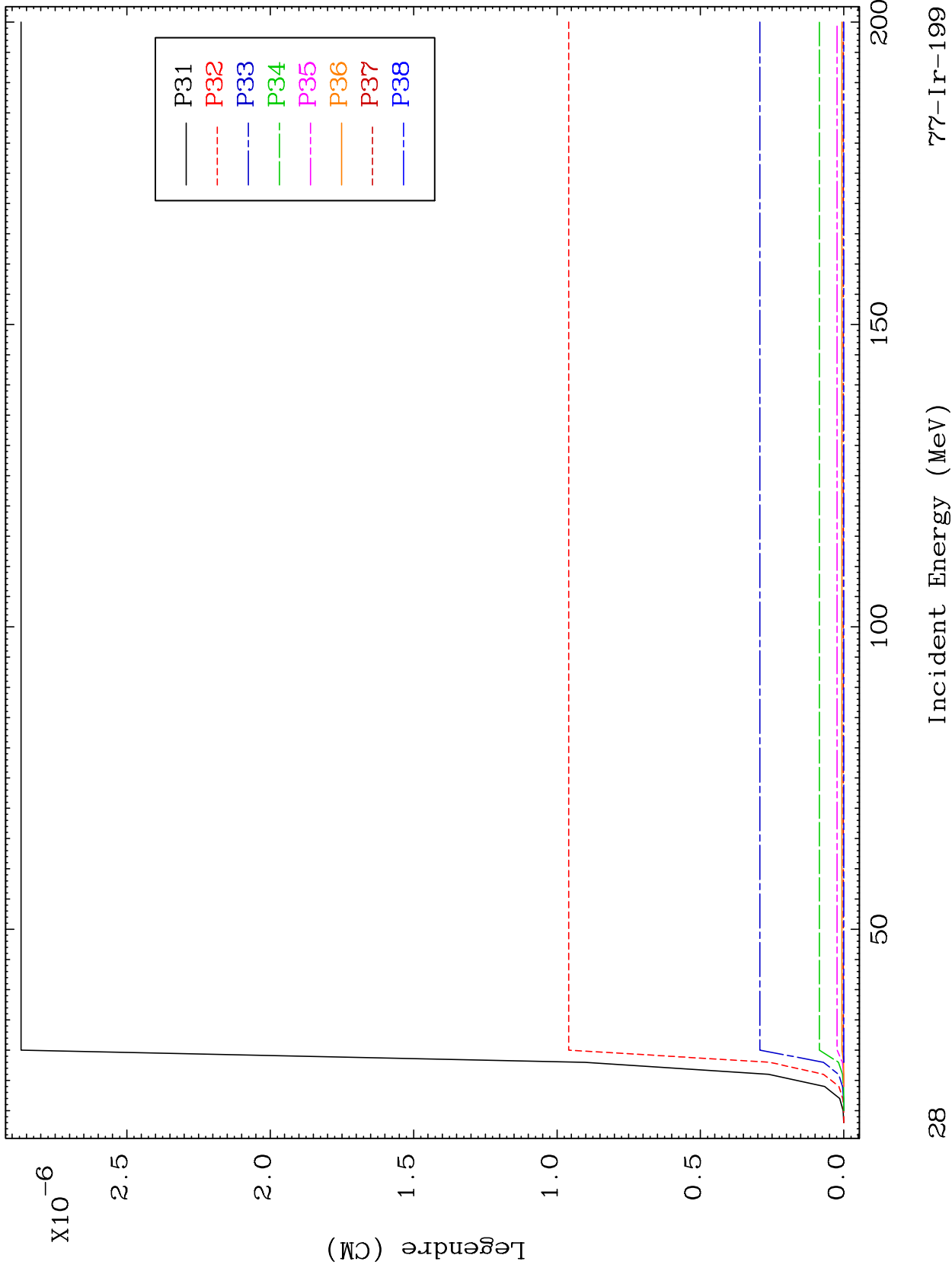
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



28

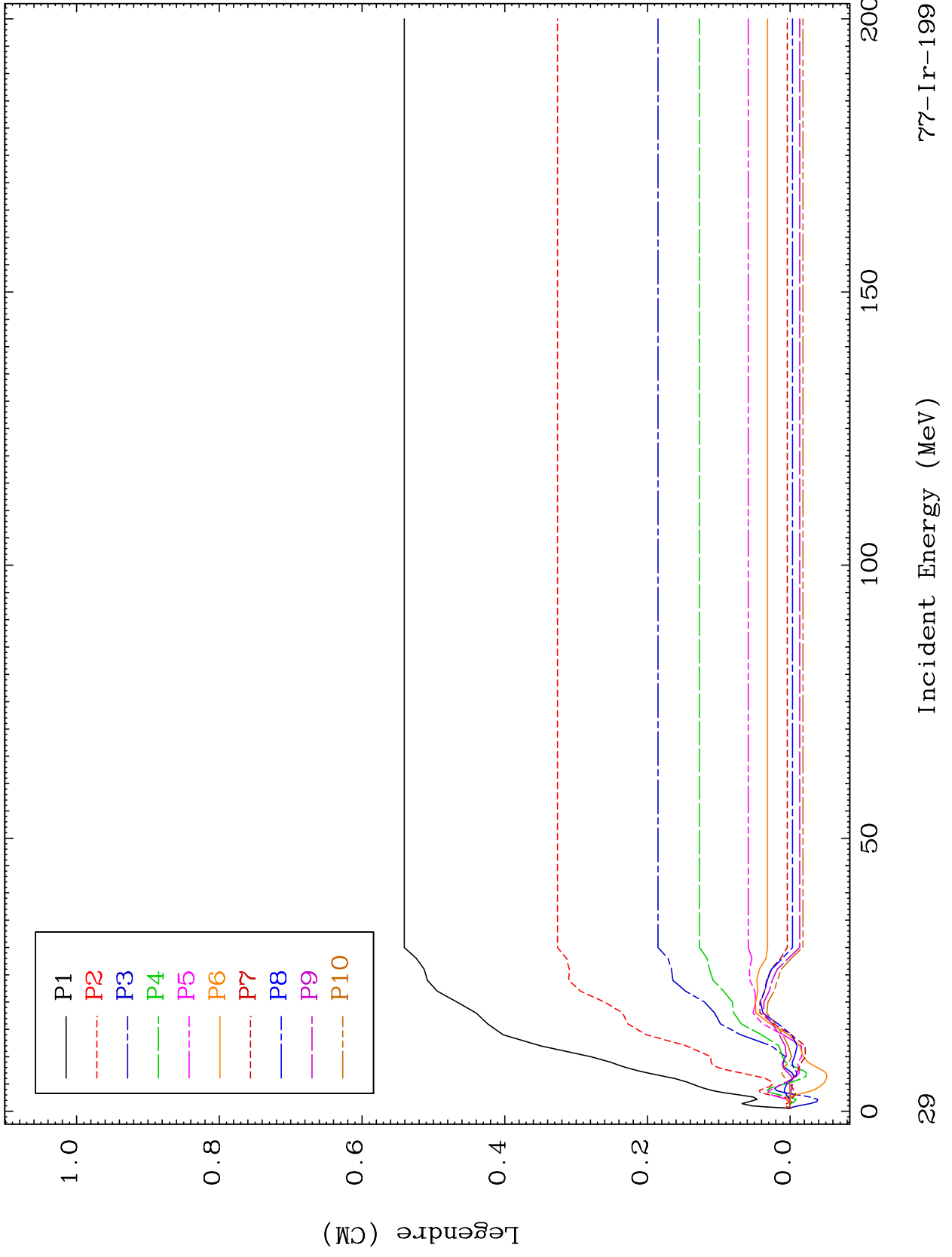
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



29

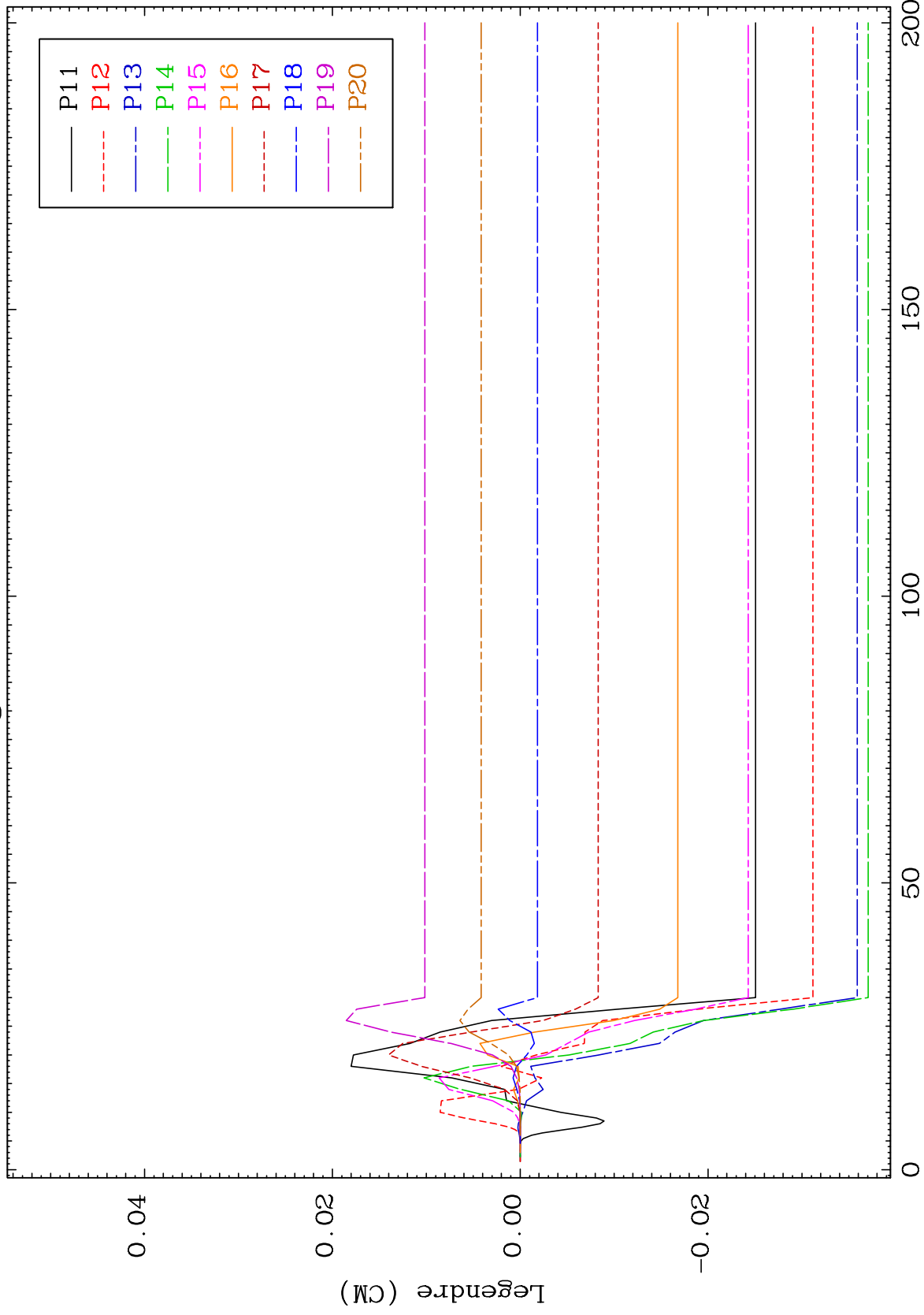
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

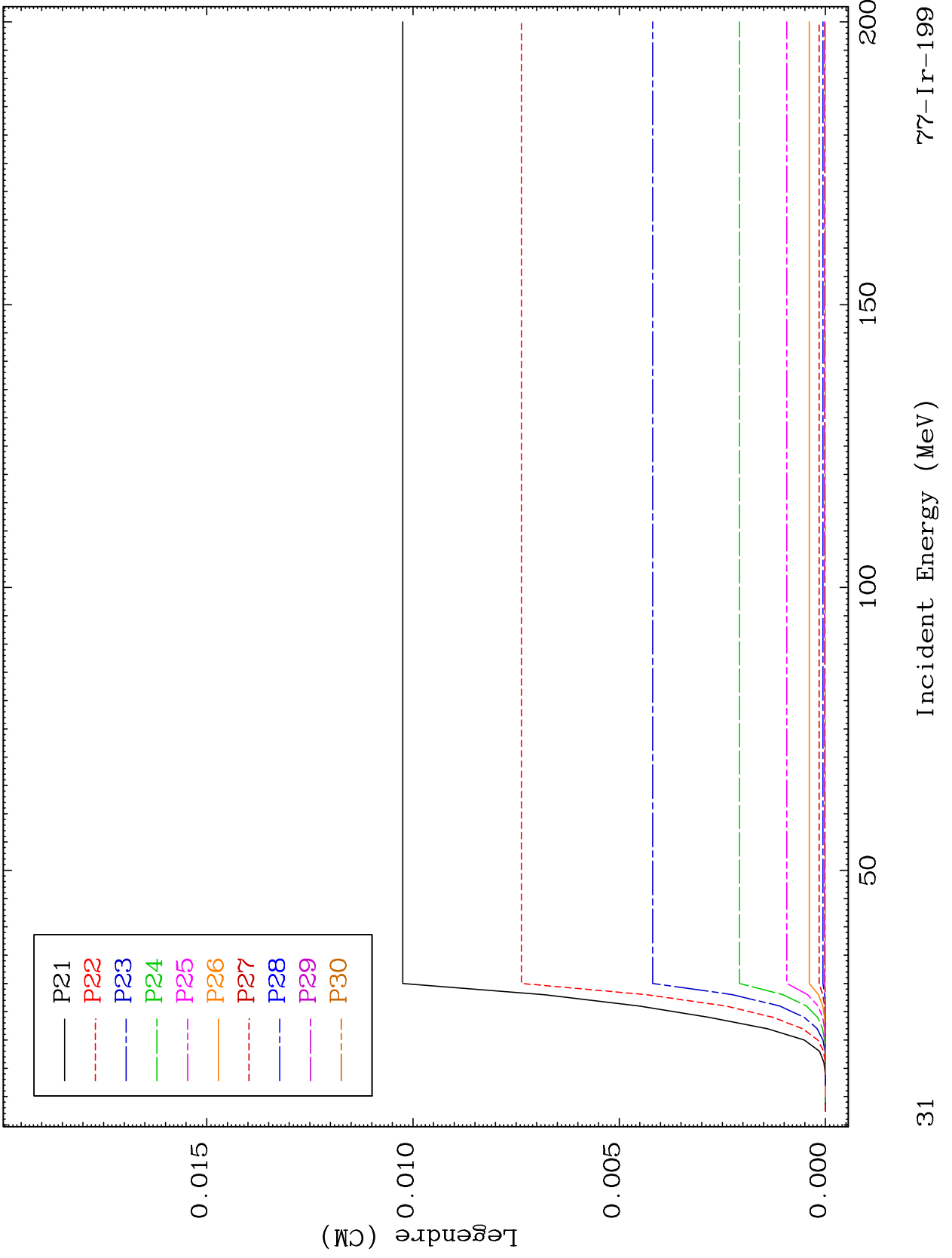
77-Ir-199



77-Ir-199

Incident Energy (MeV)

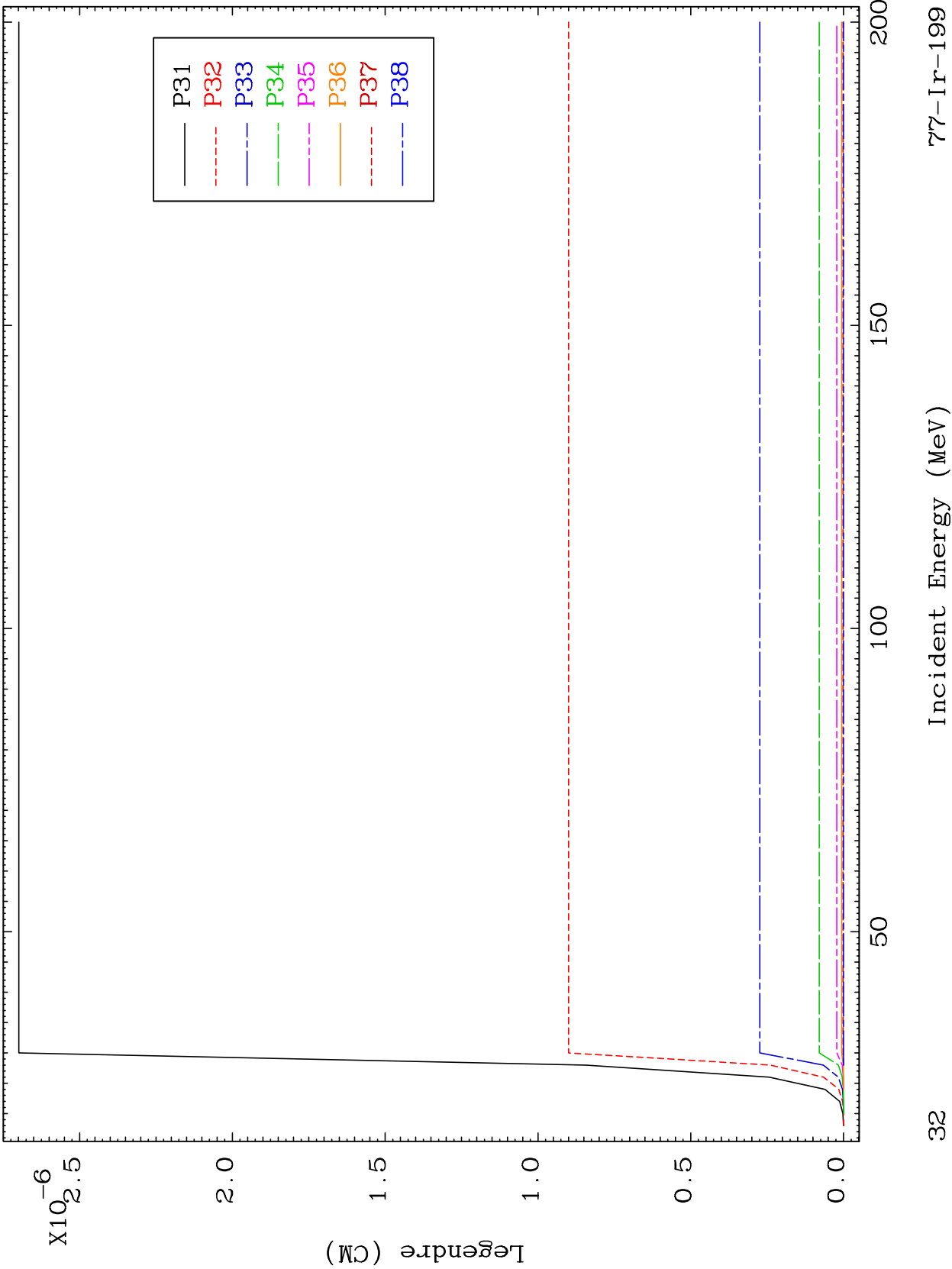
30



MAT 7749

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

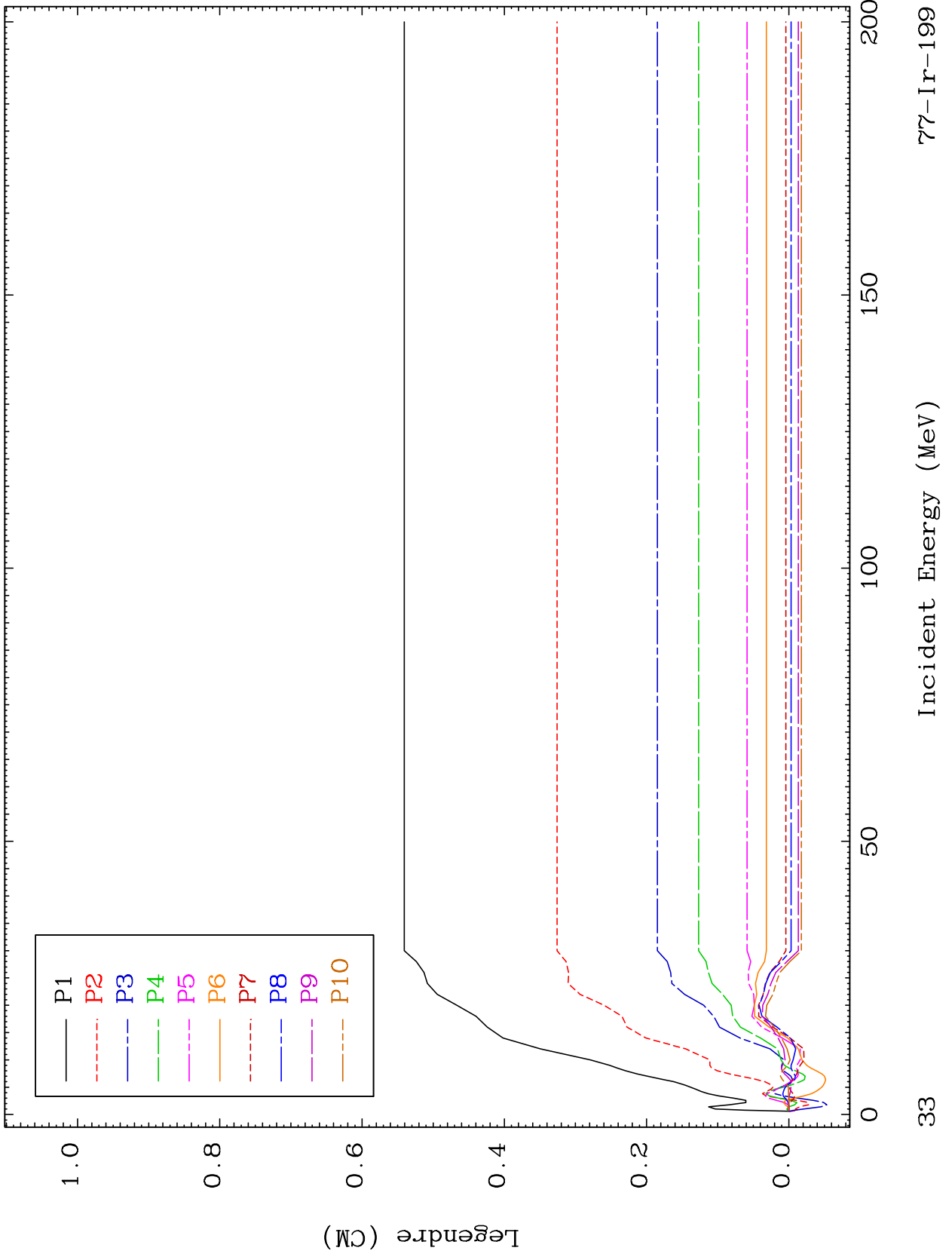
77-Ir-199



32

Incident Energy (MeV)

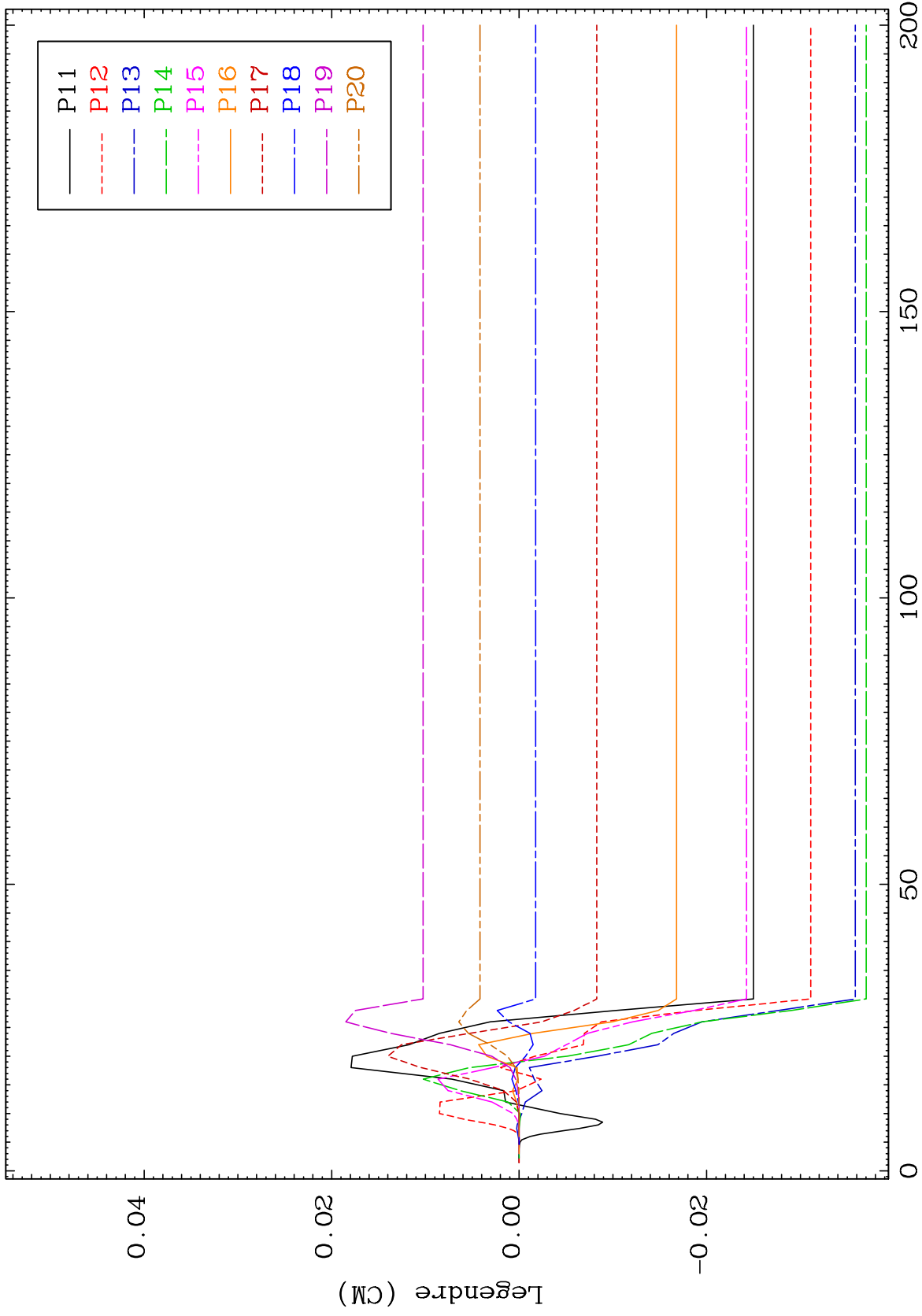
77-Ir-199



MAT 7749

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

77-Ir-199



34

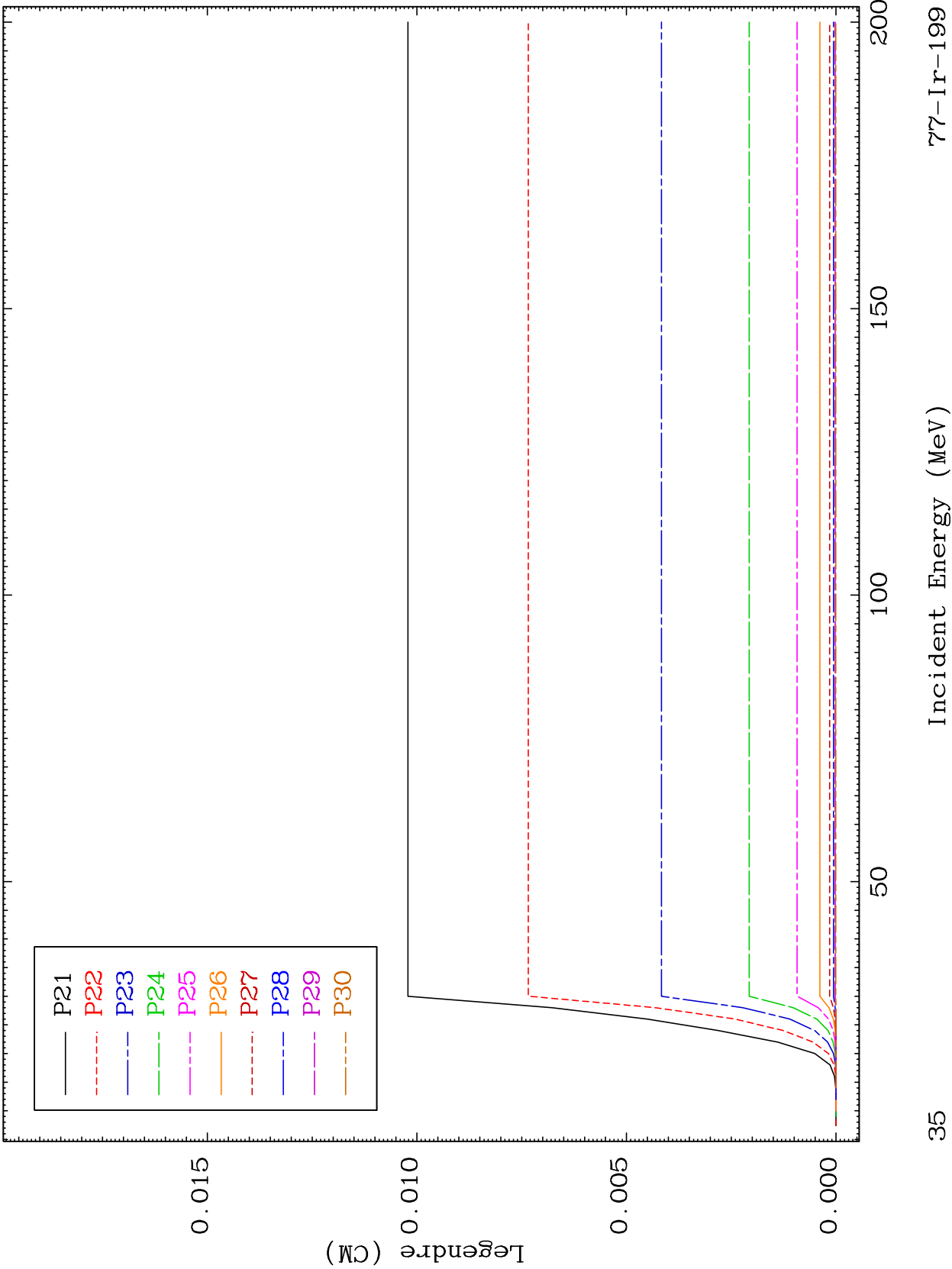
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

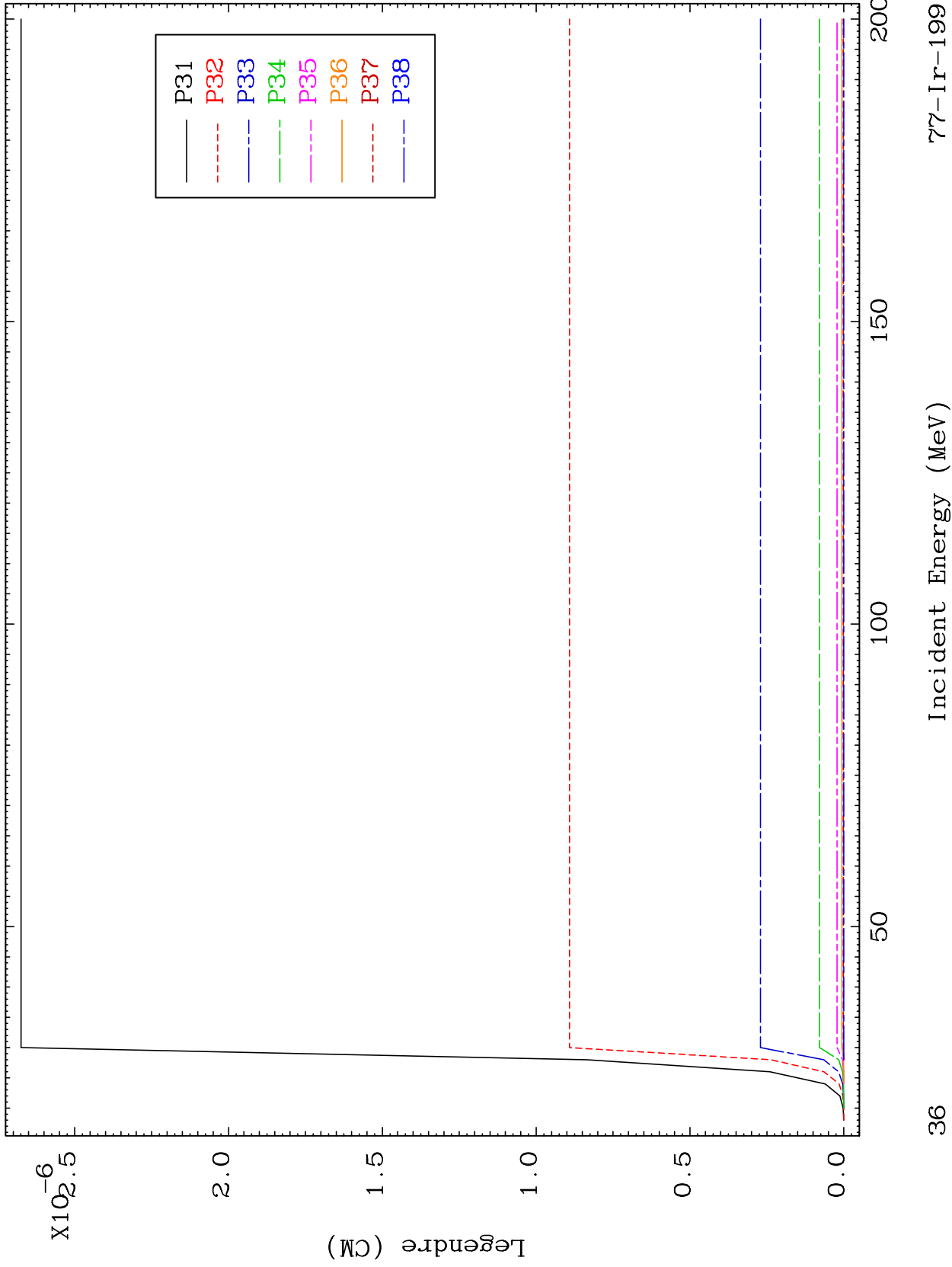
77-Ir-199



35

Incident Energy (MeV)

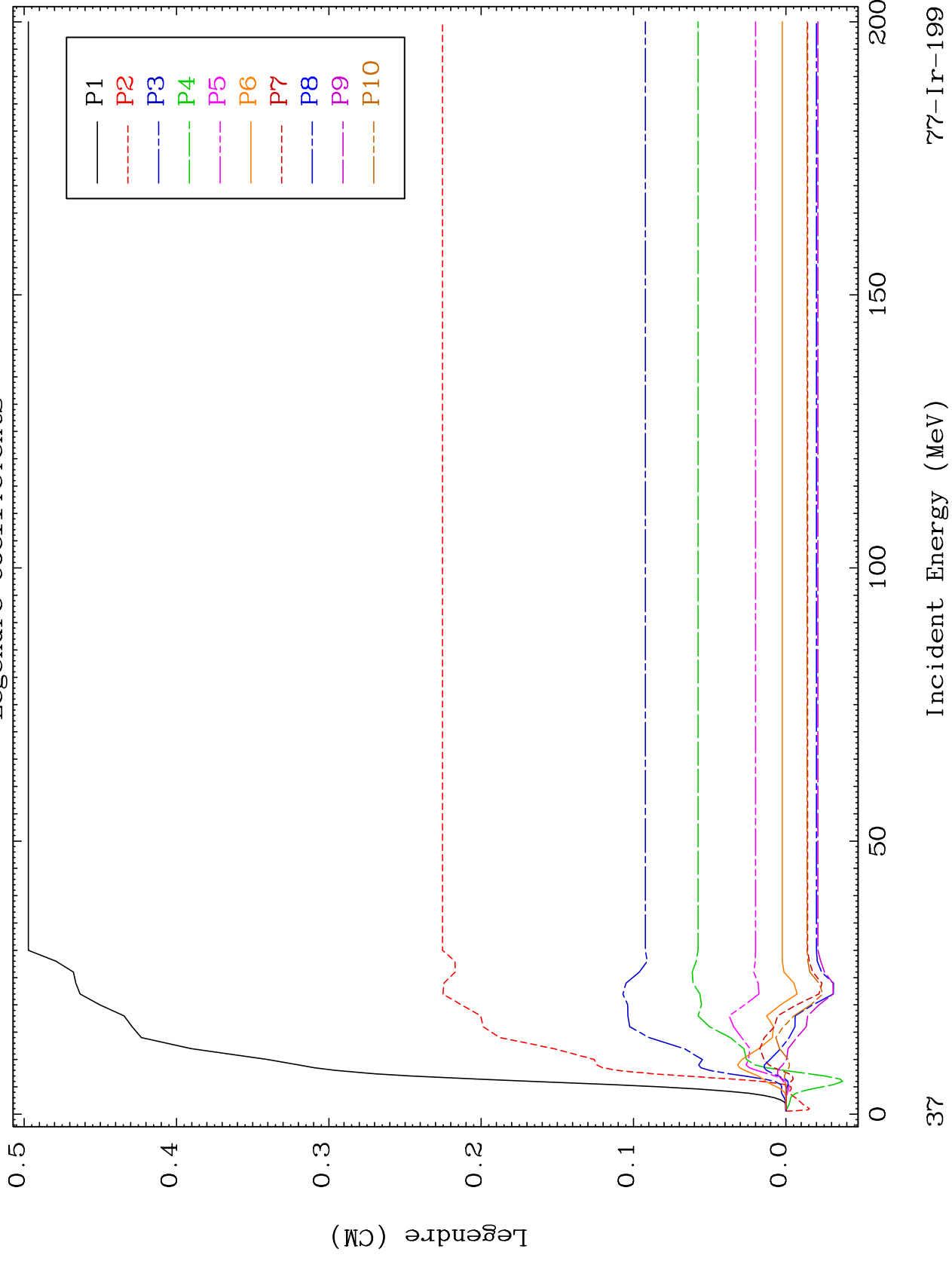
77-Ir-199



MAT 7749

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

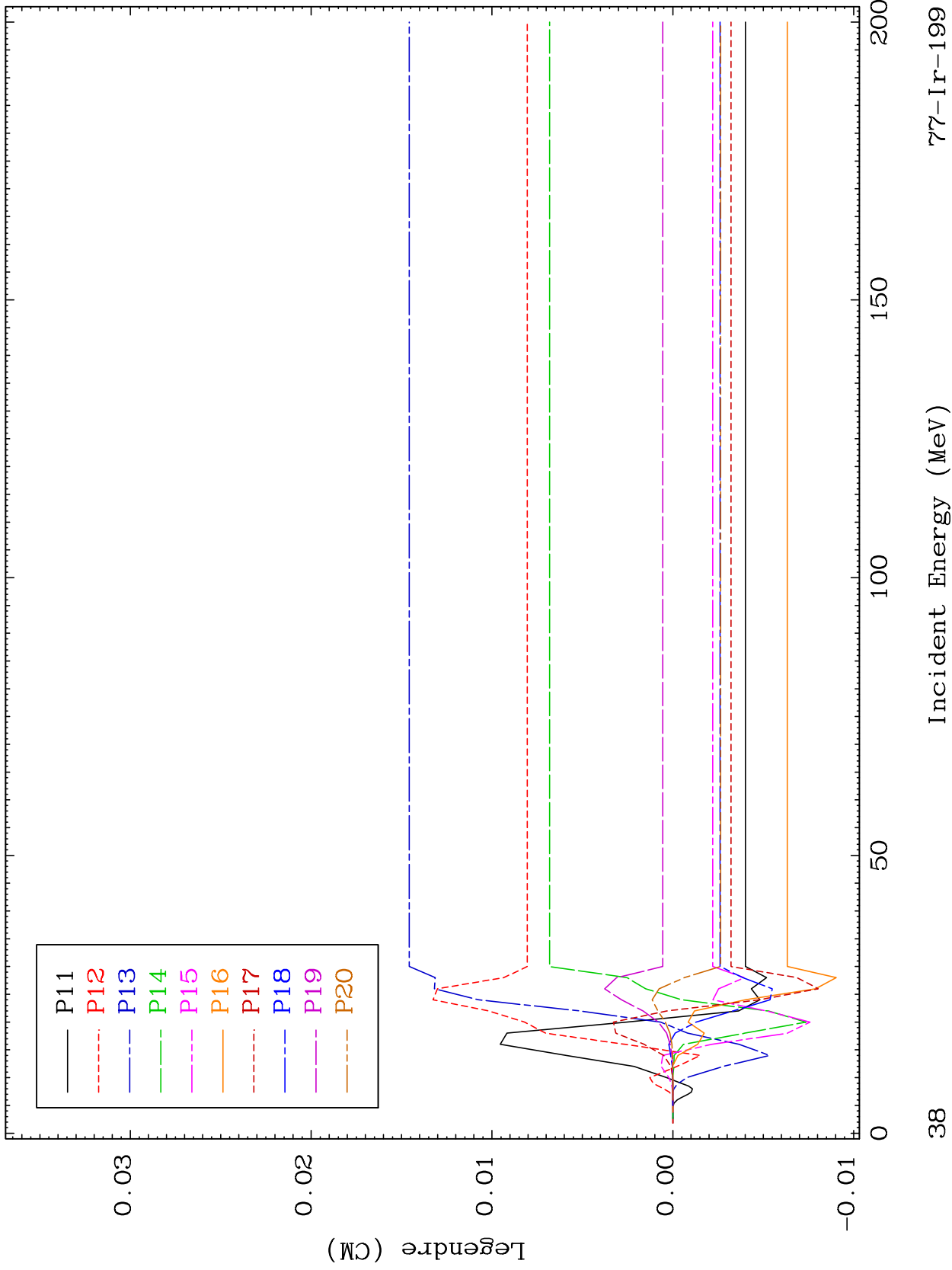
77-Ir-199

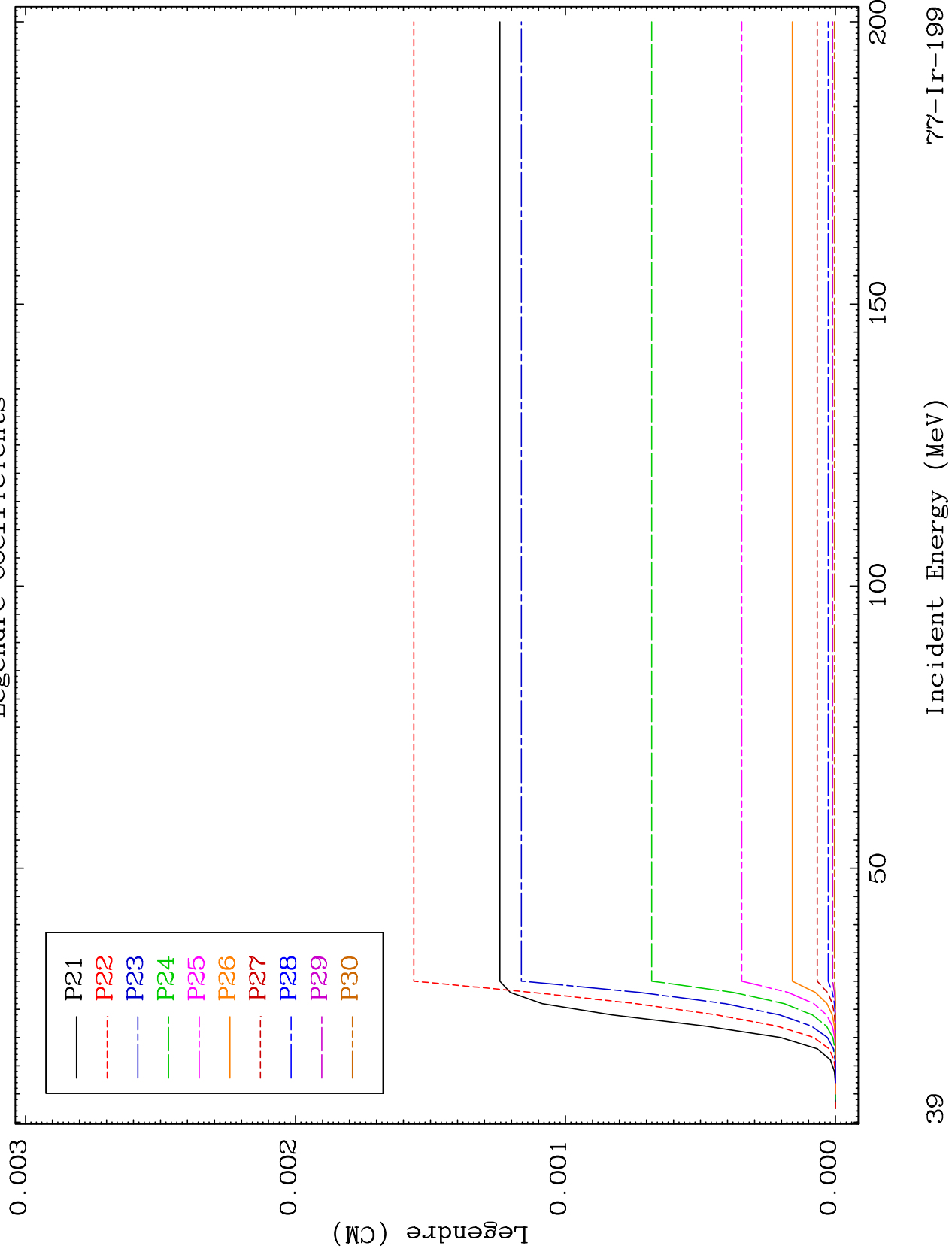


MAT 7749

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

77-Ir-199

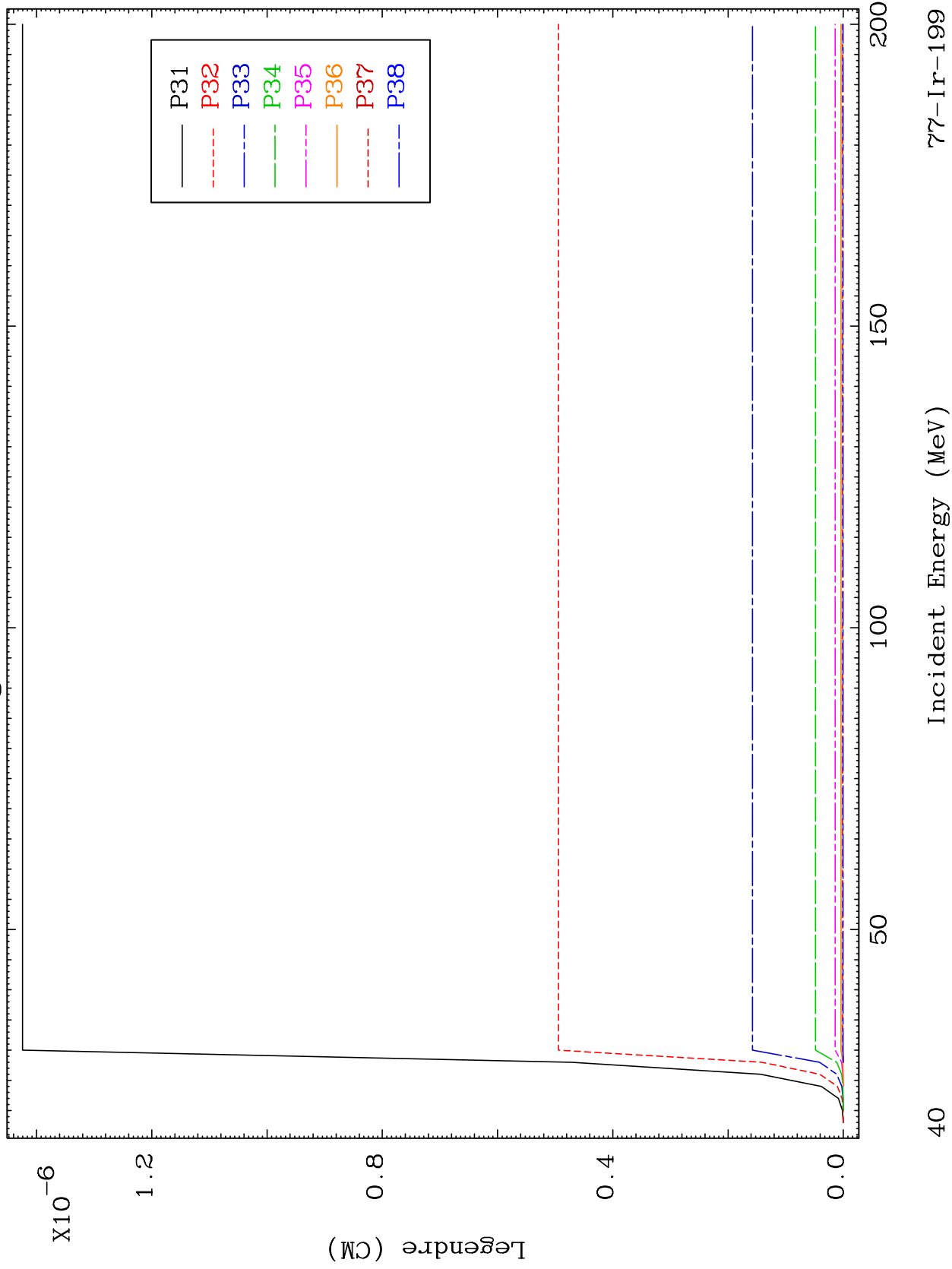




MAT 7749

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

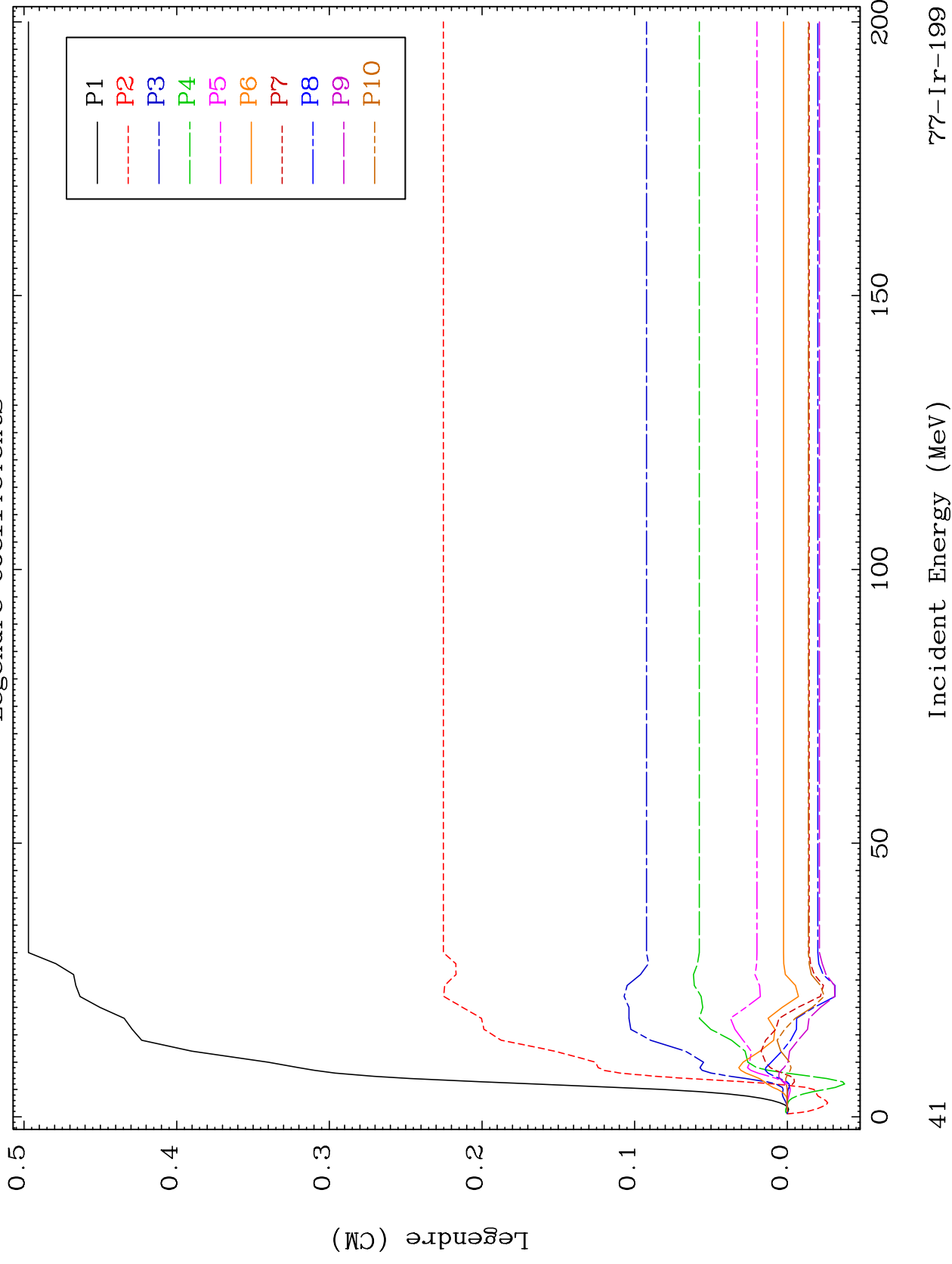
77-Ir-199



MAT 7749

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

77-Ir-199



41

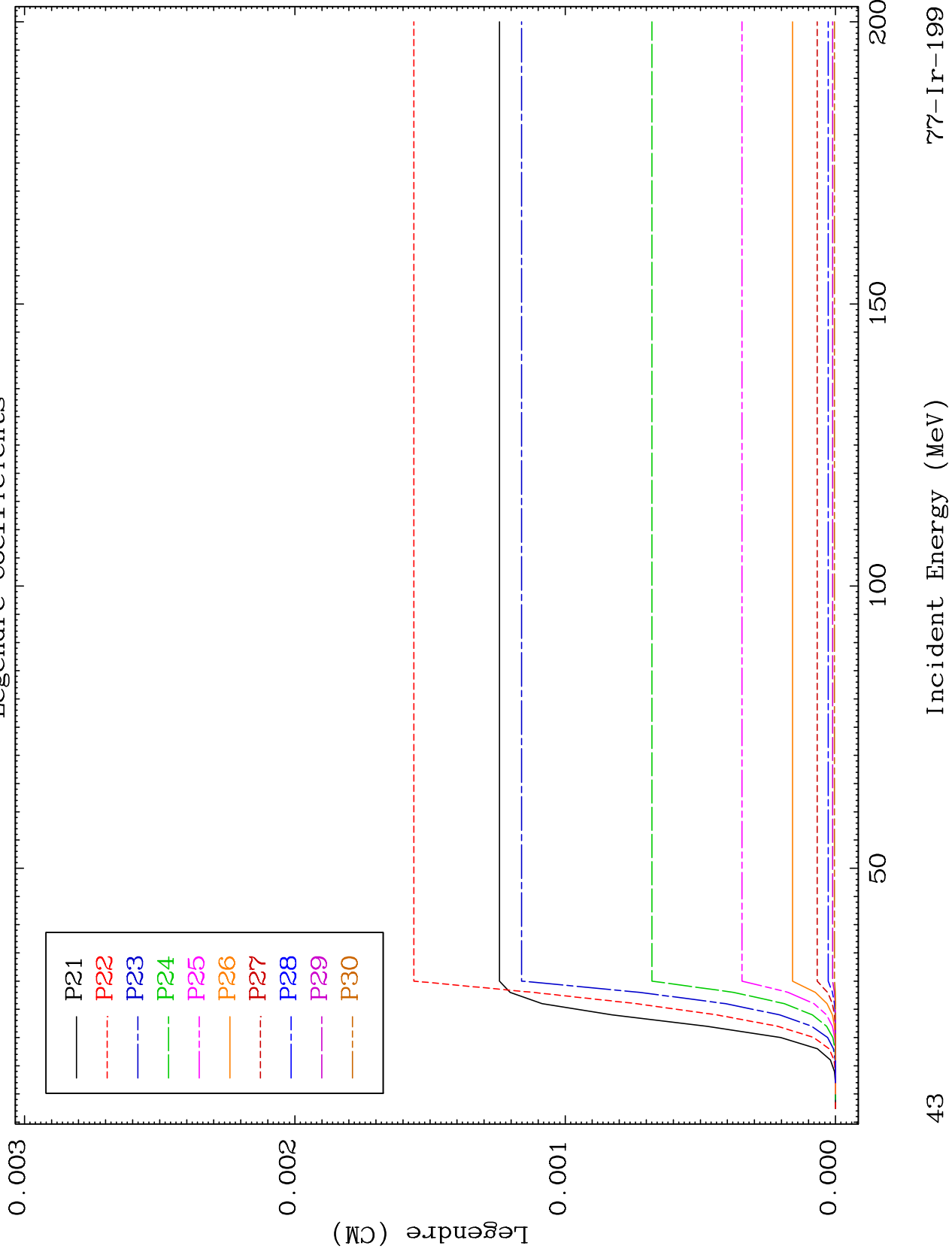
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



43

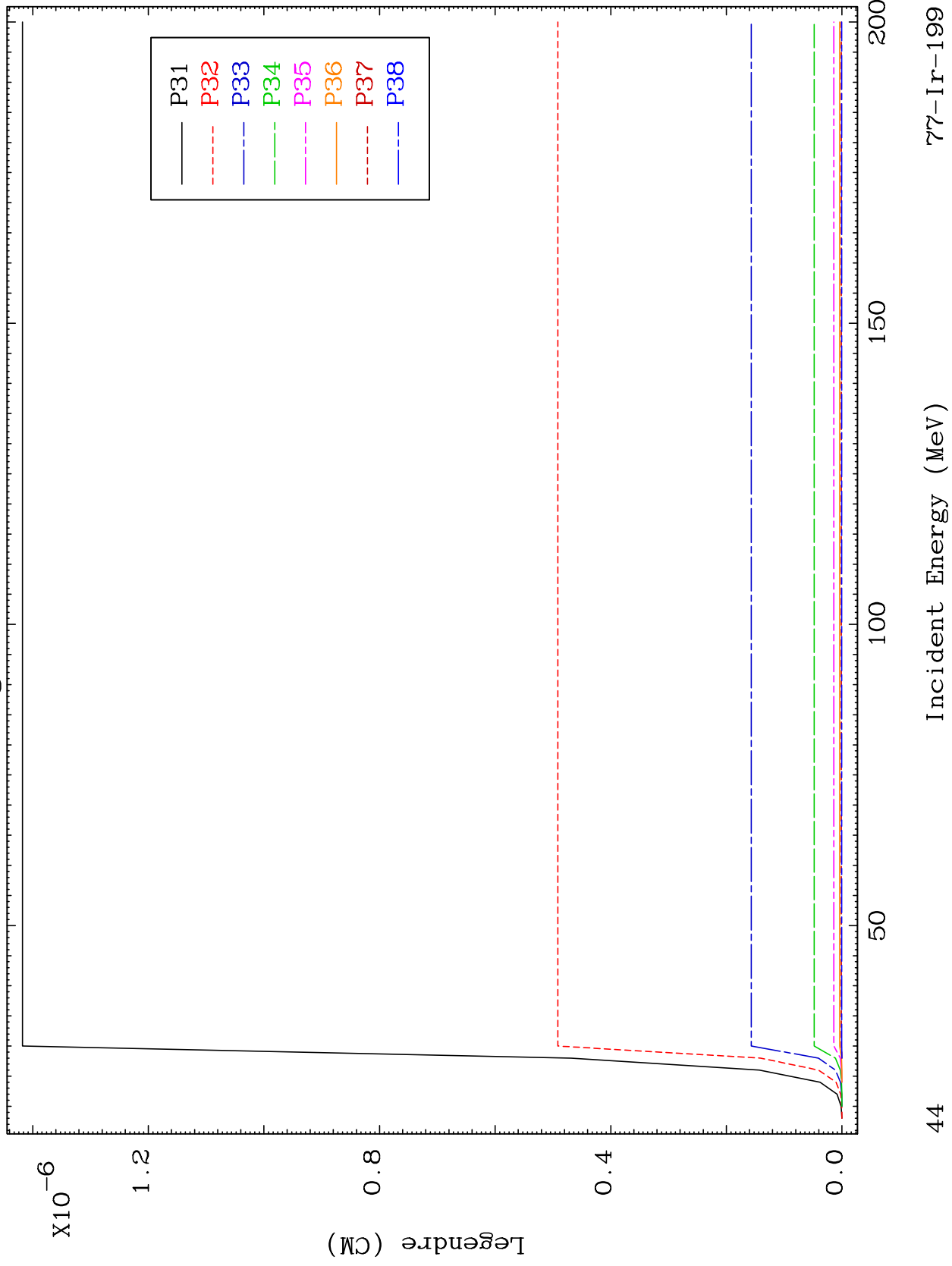
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



44

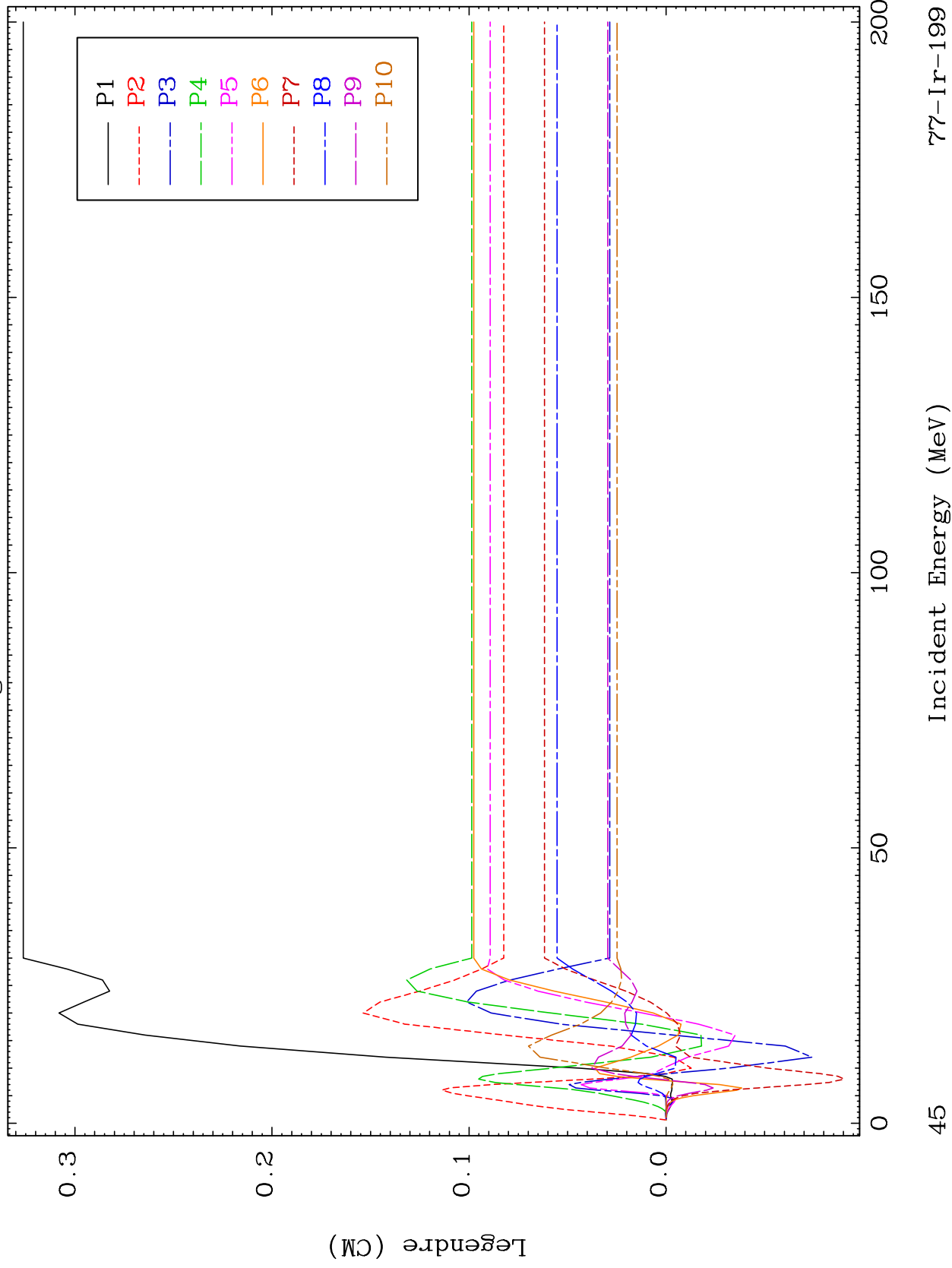
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199

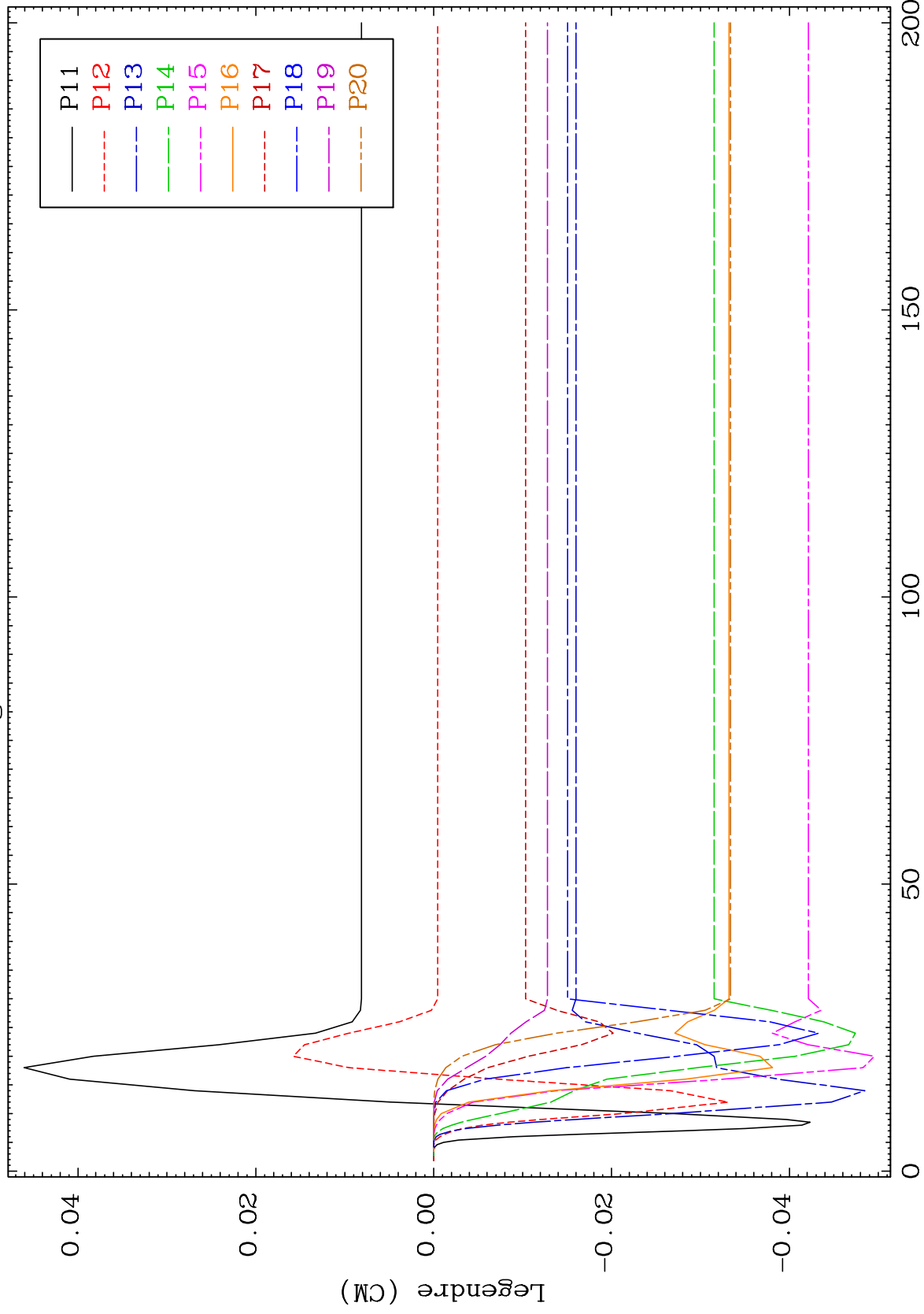


77-Ir-199

MAT 7749

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

77-Ir-199



46

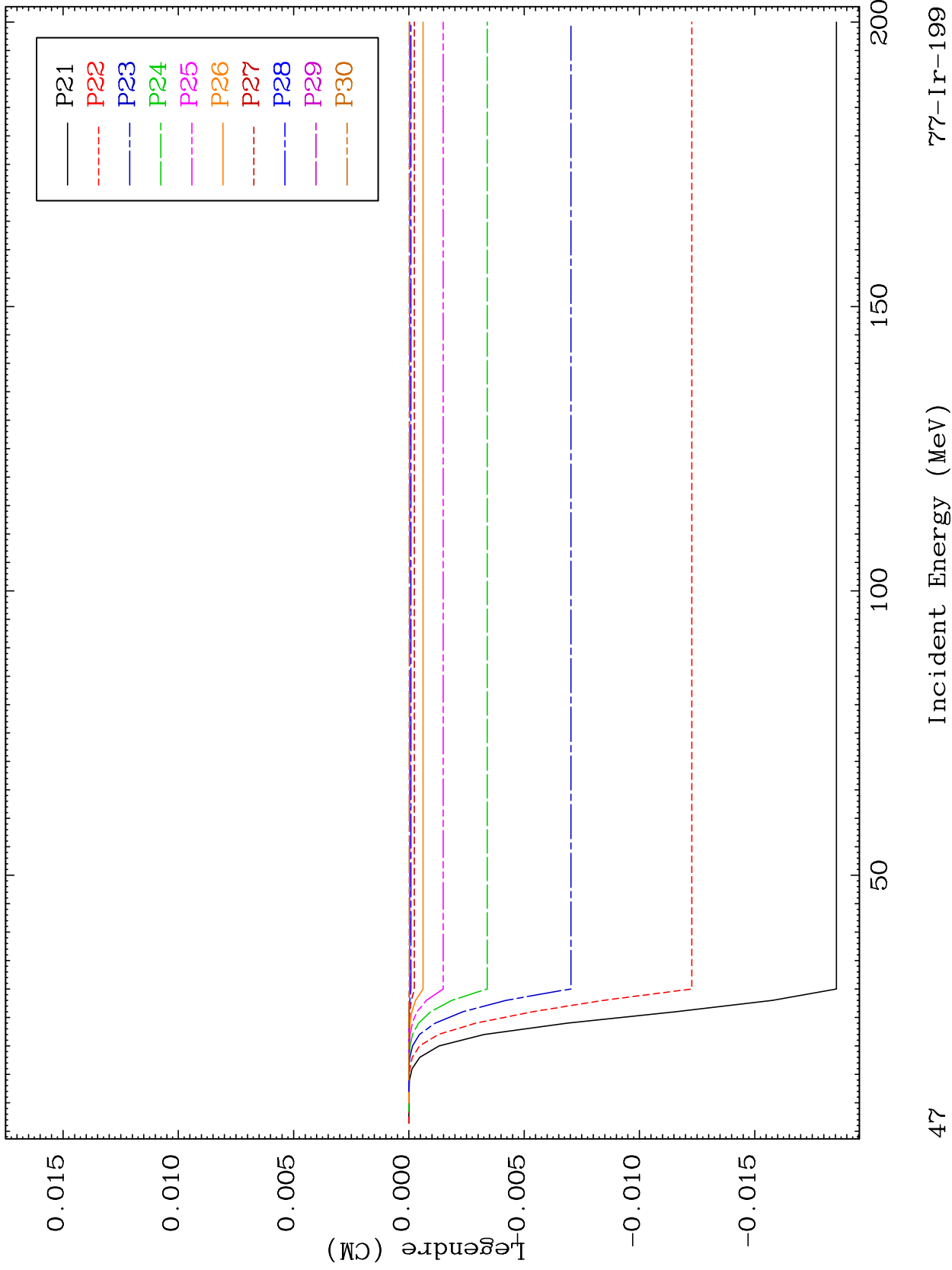
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

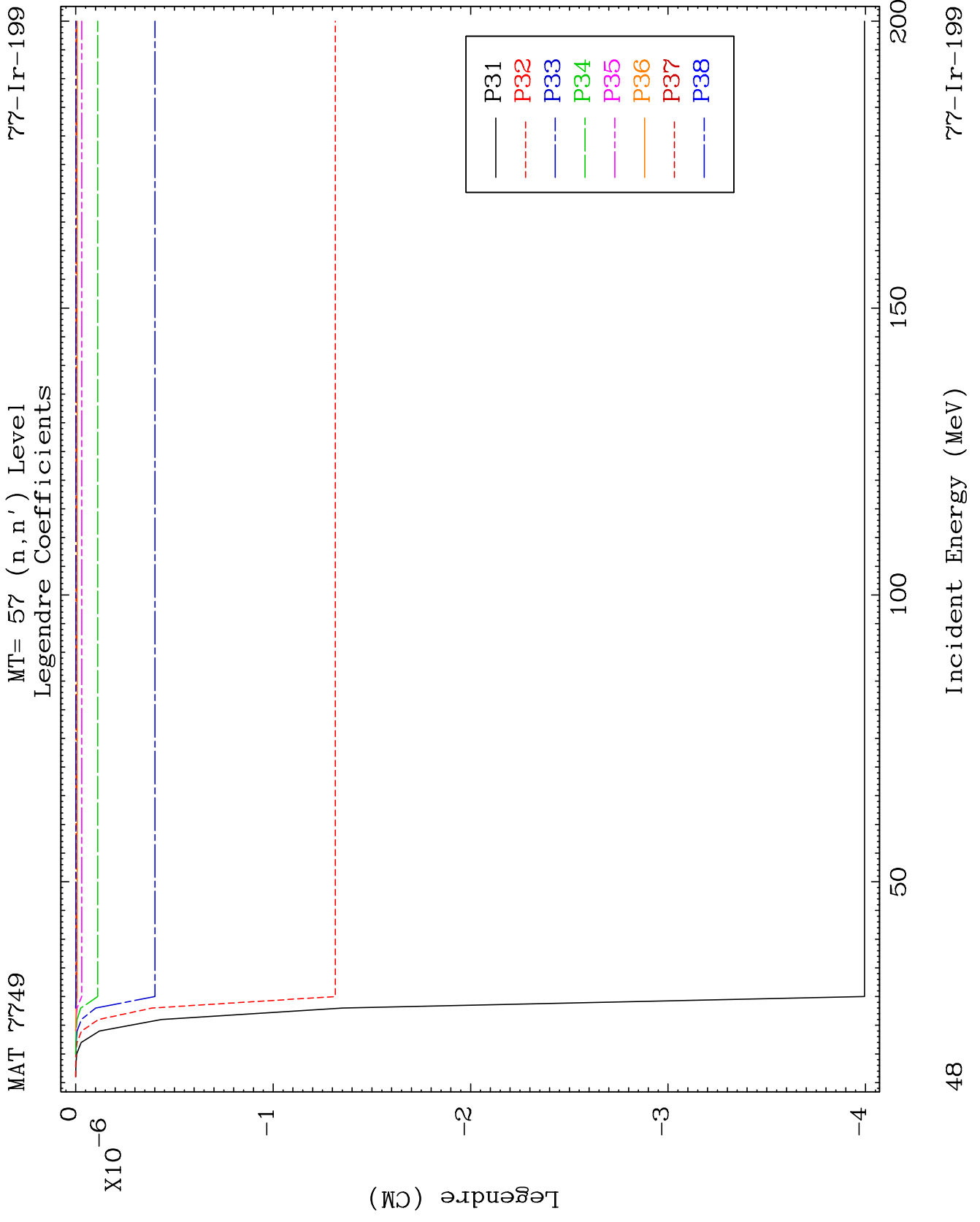
77-Ir-199



47

Incident Energy (MeV)

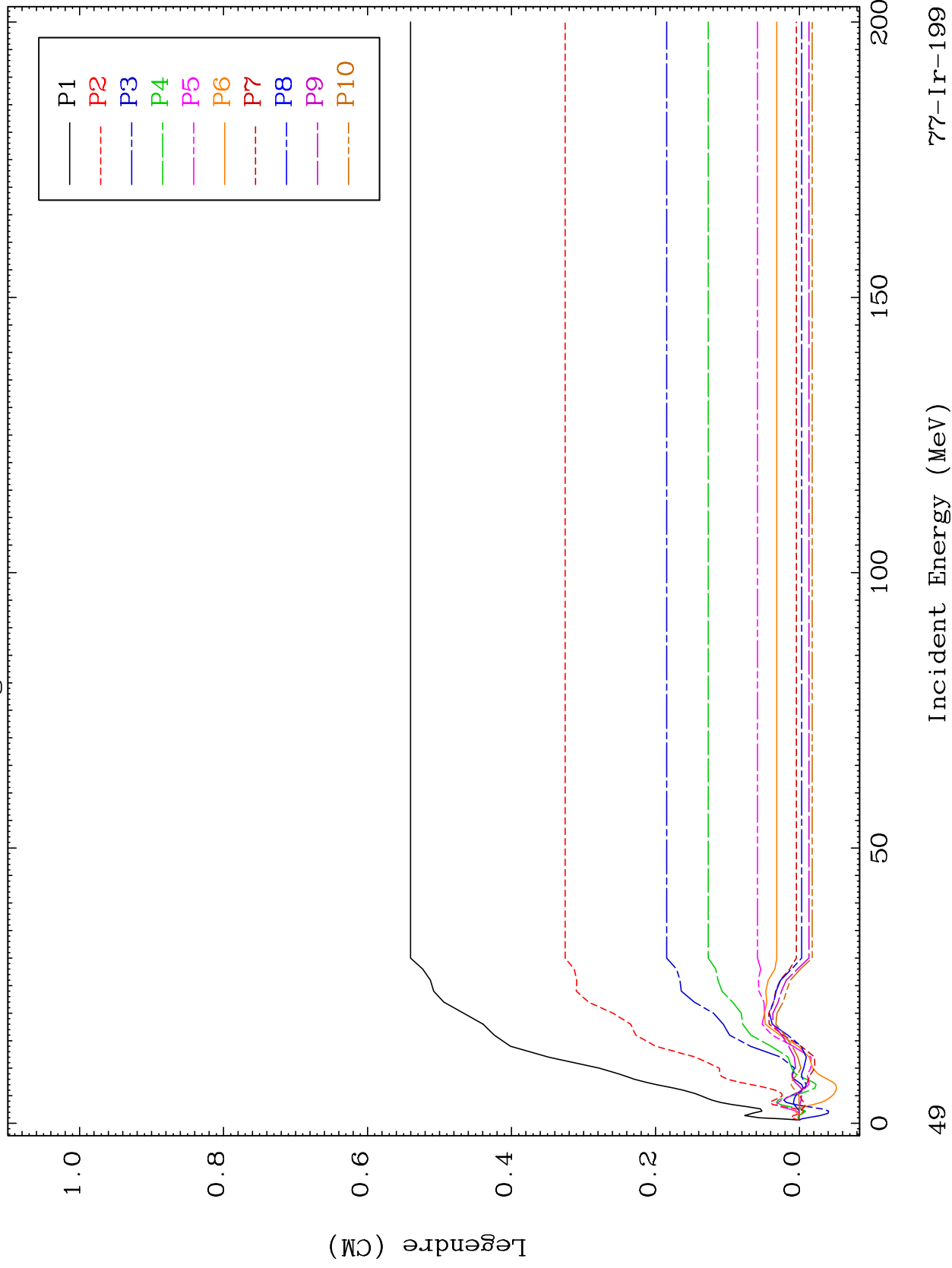
77-Ir-199



MAT 7749

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

77-Ir-199



77-Ir-199

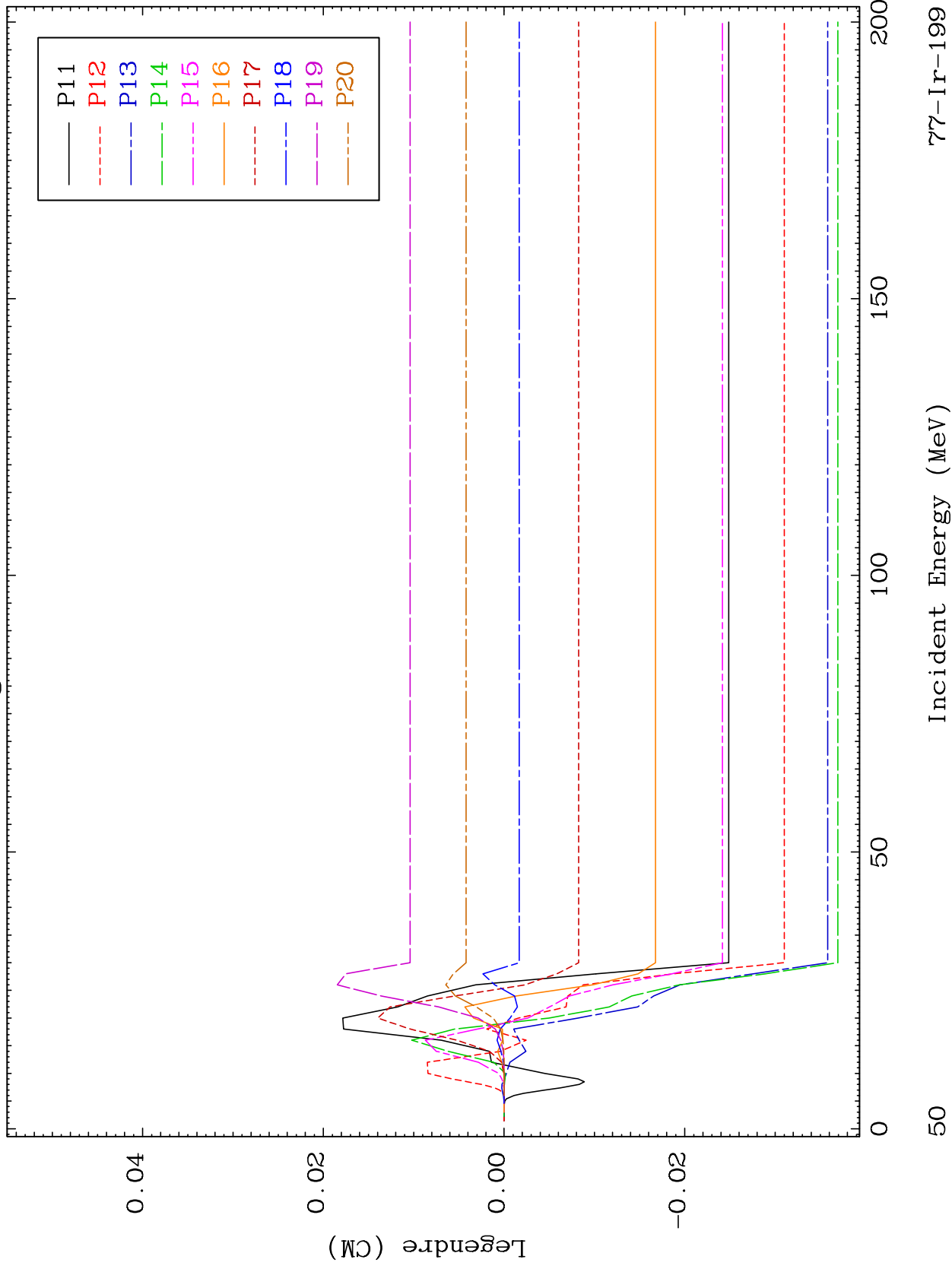
Incident Energy (MeV)

49

MAT 7749

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

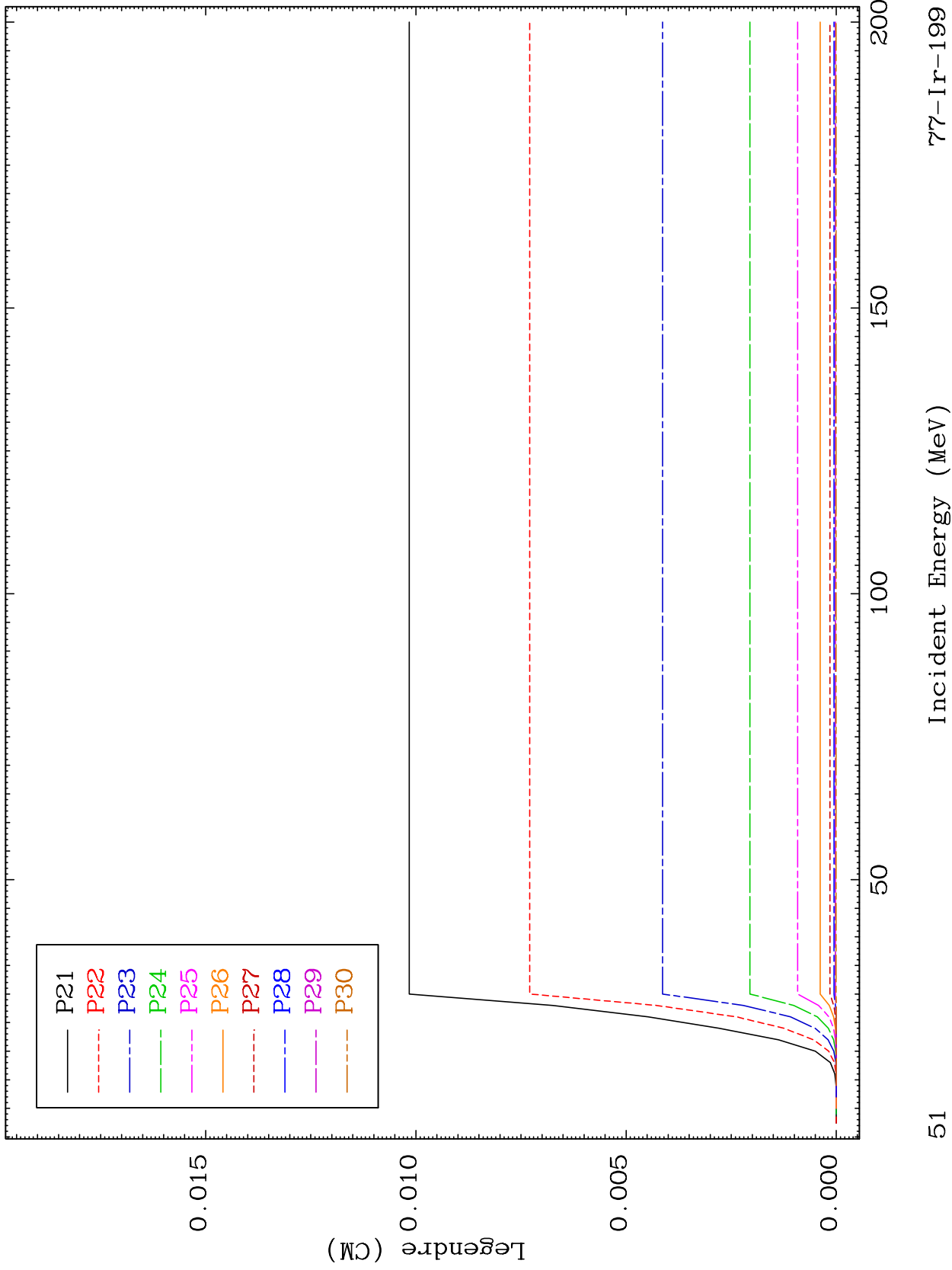
77-Ir-199

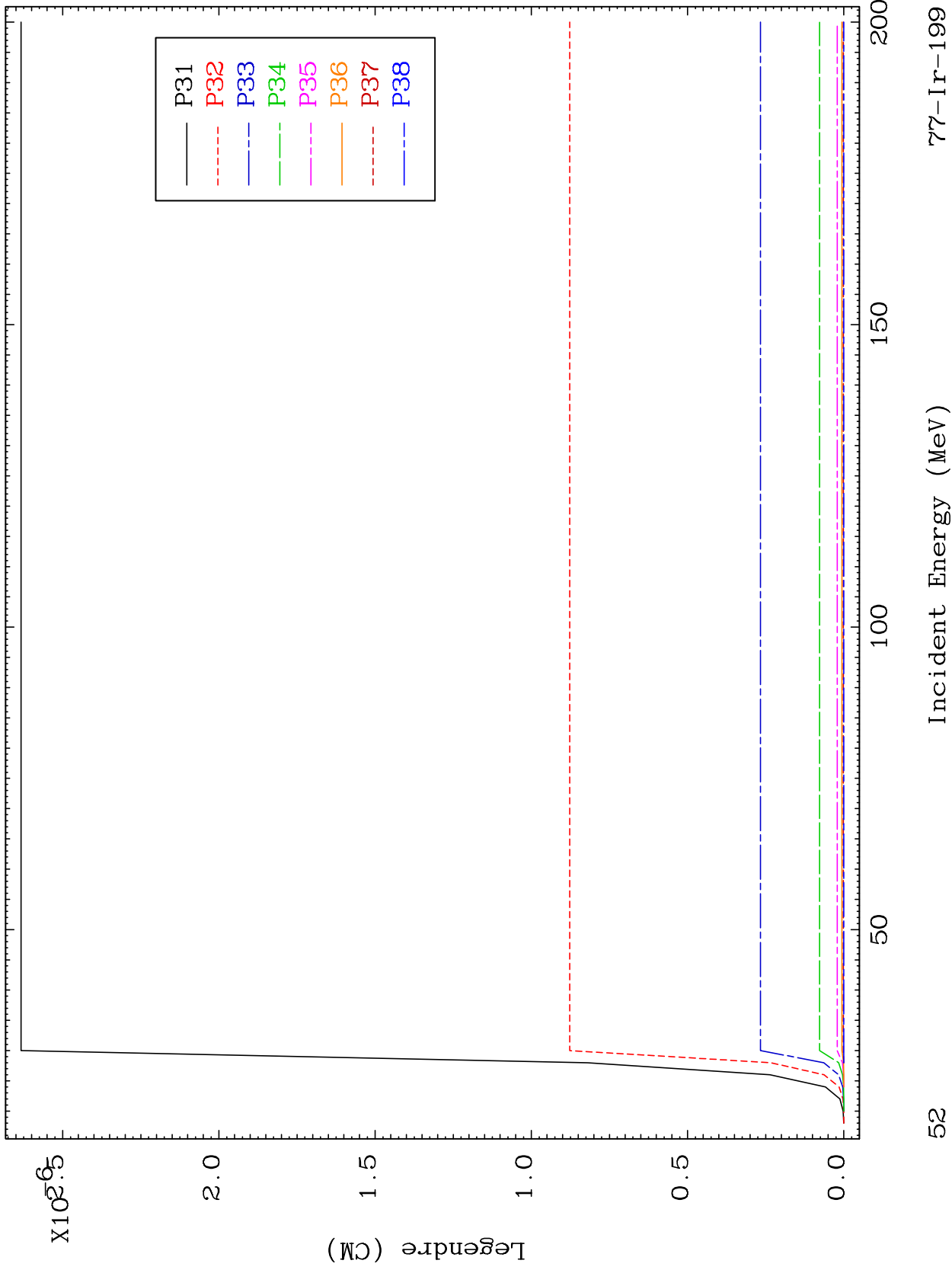


77-Ir-199

Incident Energy (MeV)

50

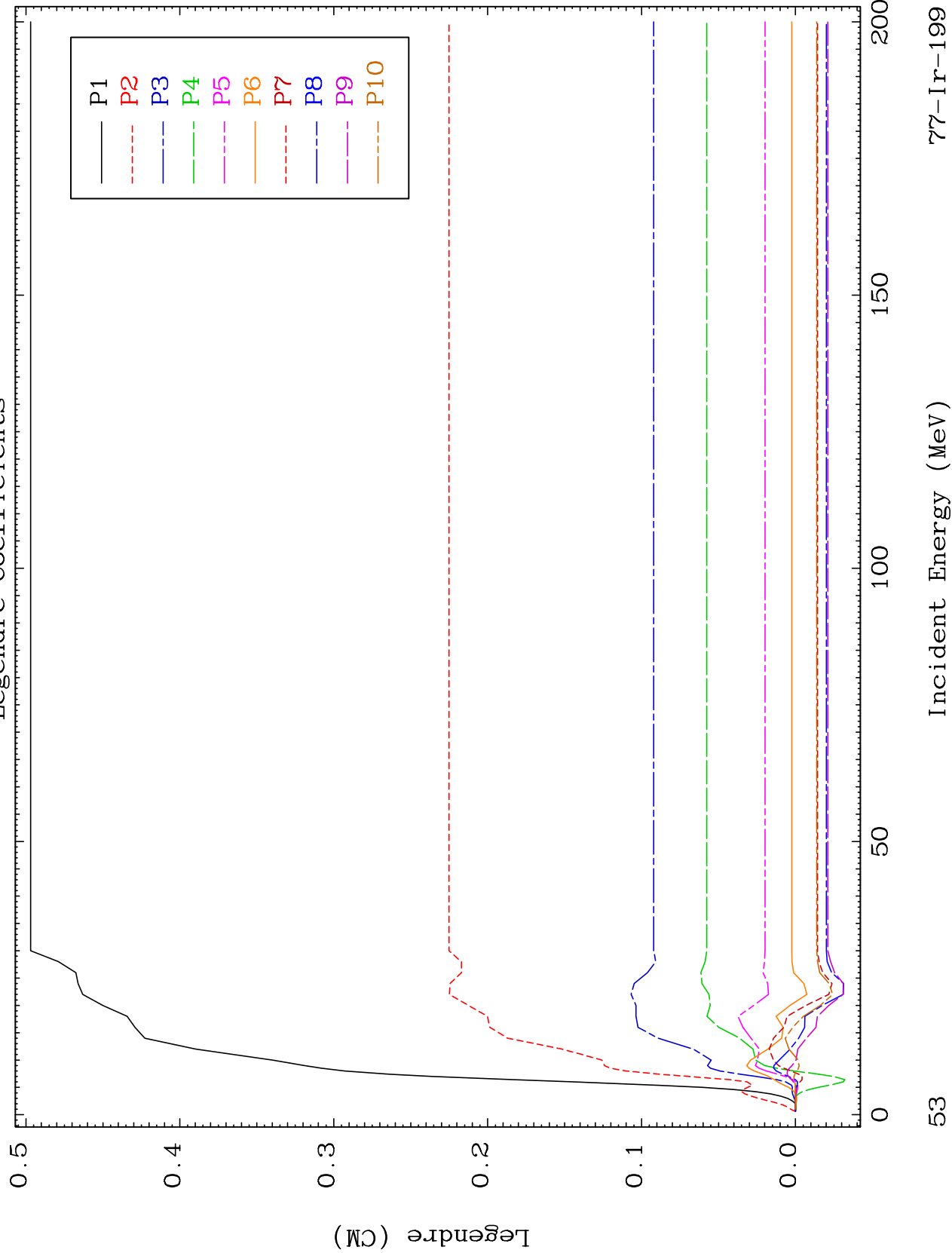


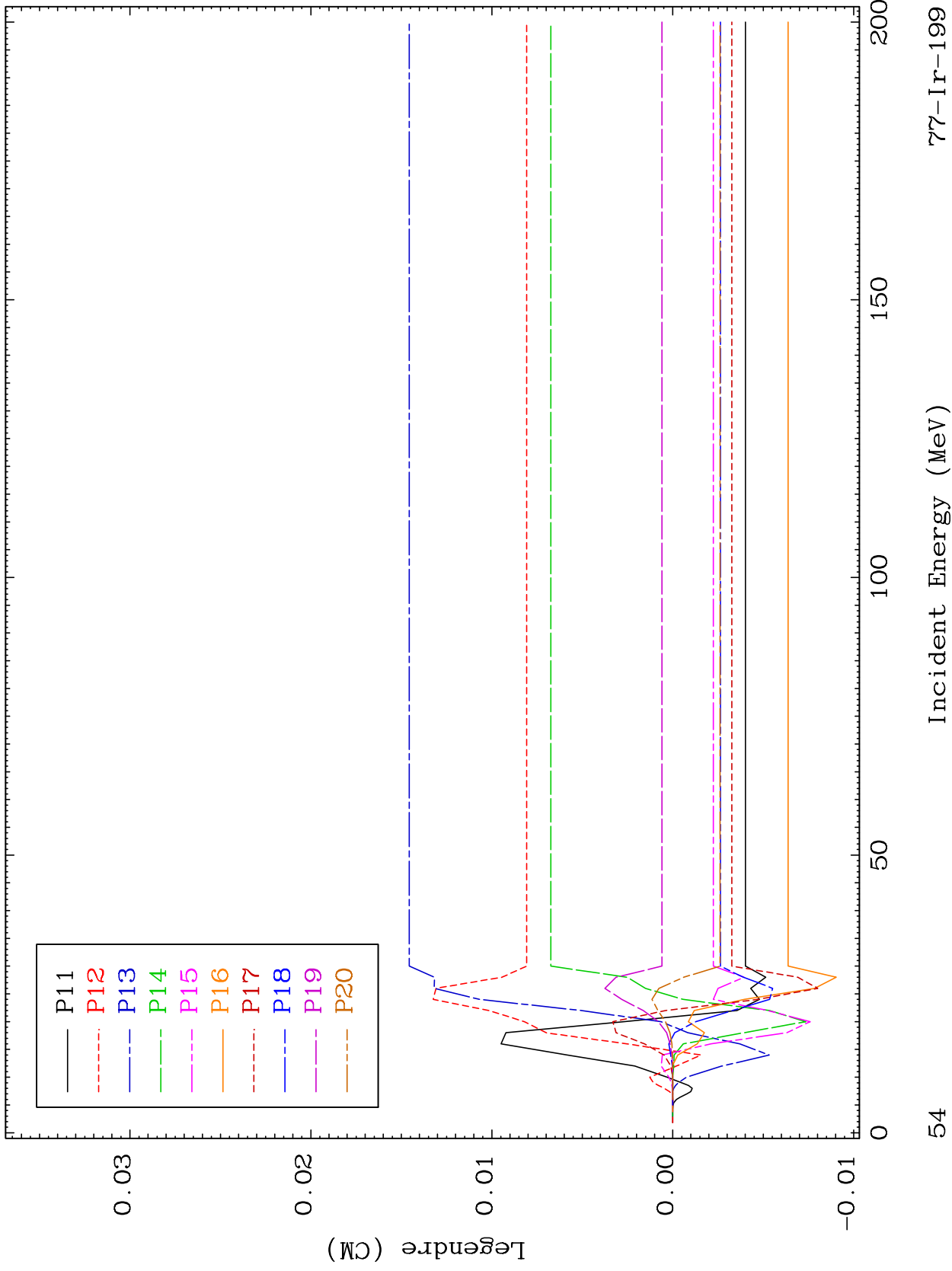


MAT 7749

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

77-Ir-199

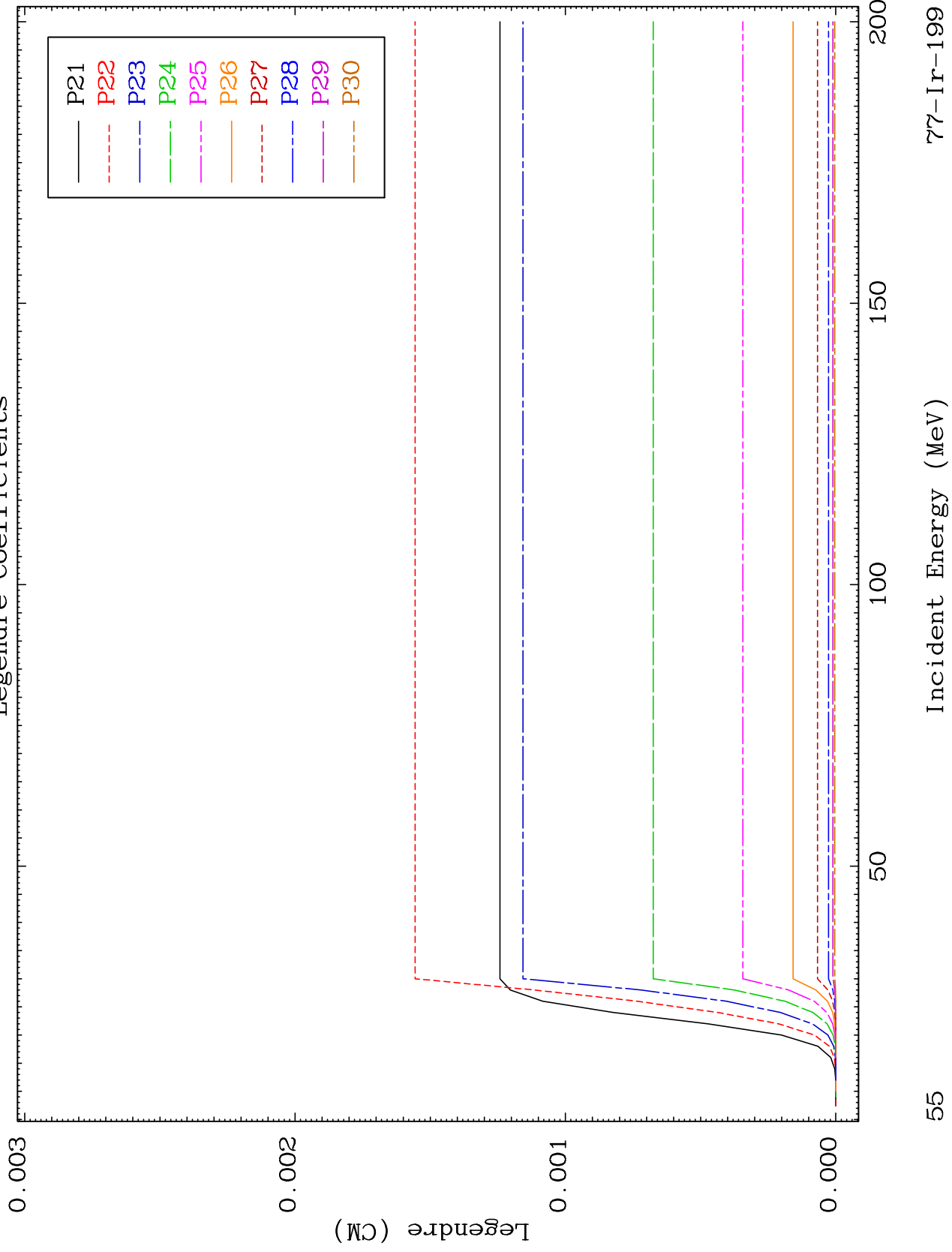




MAT 7749

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

77-Ir-199



55

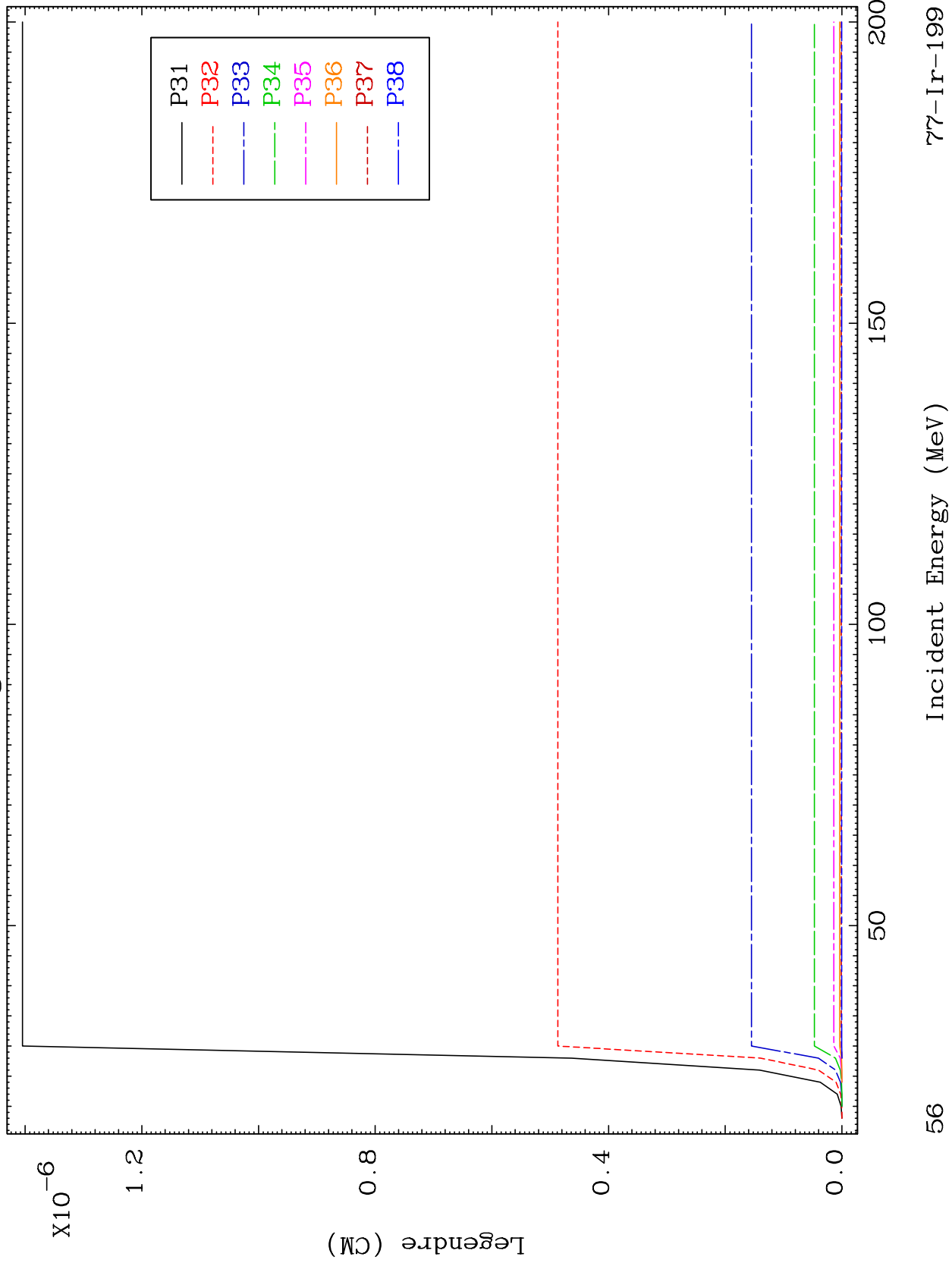
Incident Energy (MeV)

77-Ir-199

MAT 7749

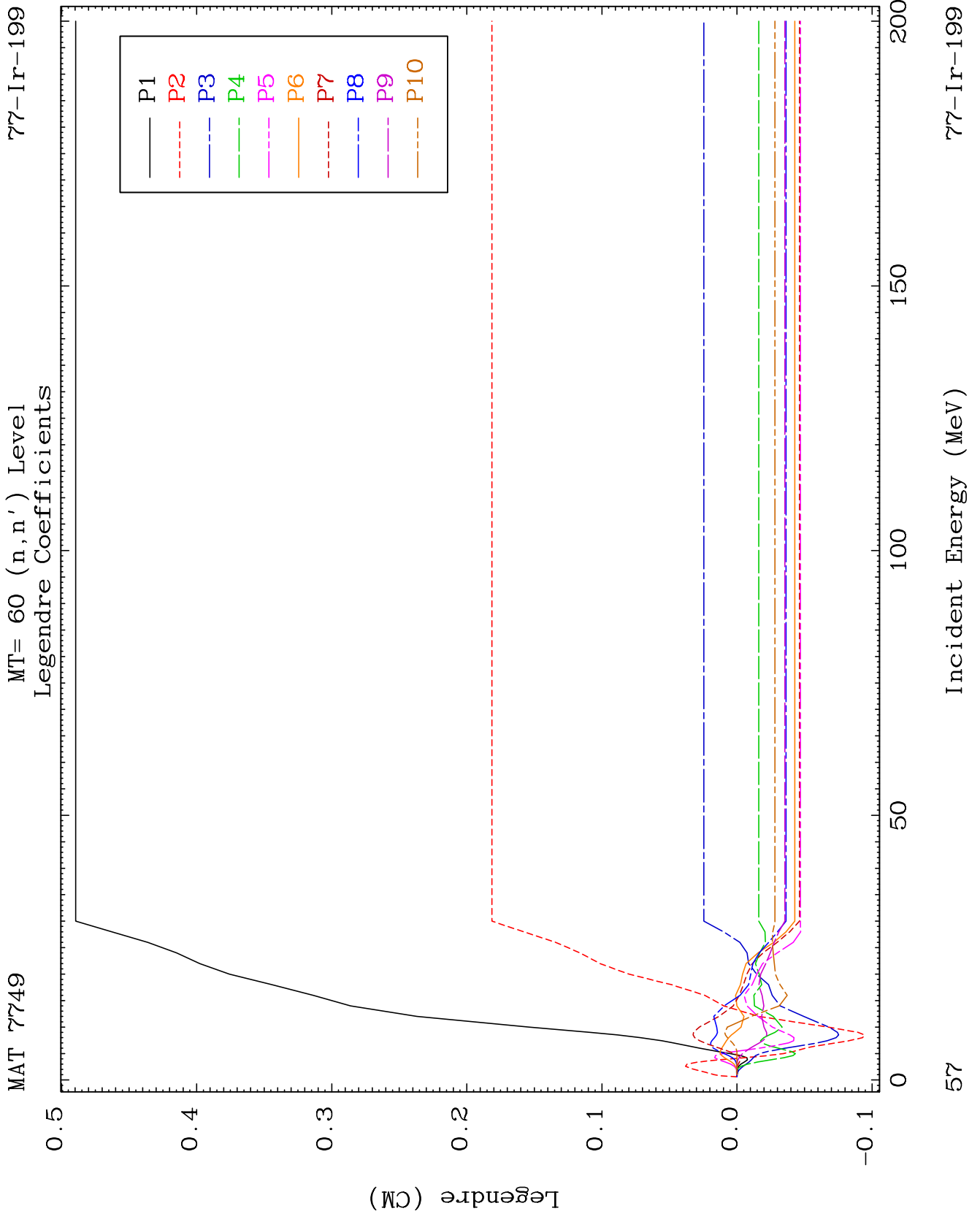
MT= 59 (n,n') Level
Legendre Coefficients

77-Ir-199



56

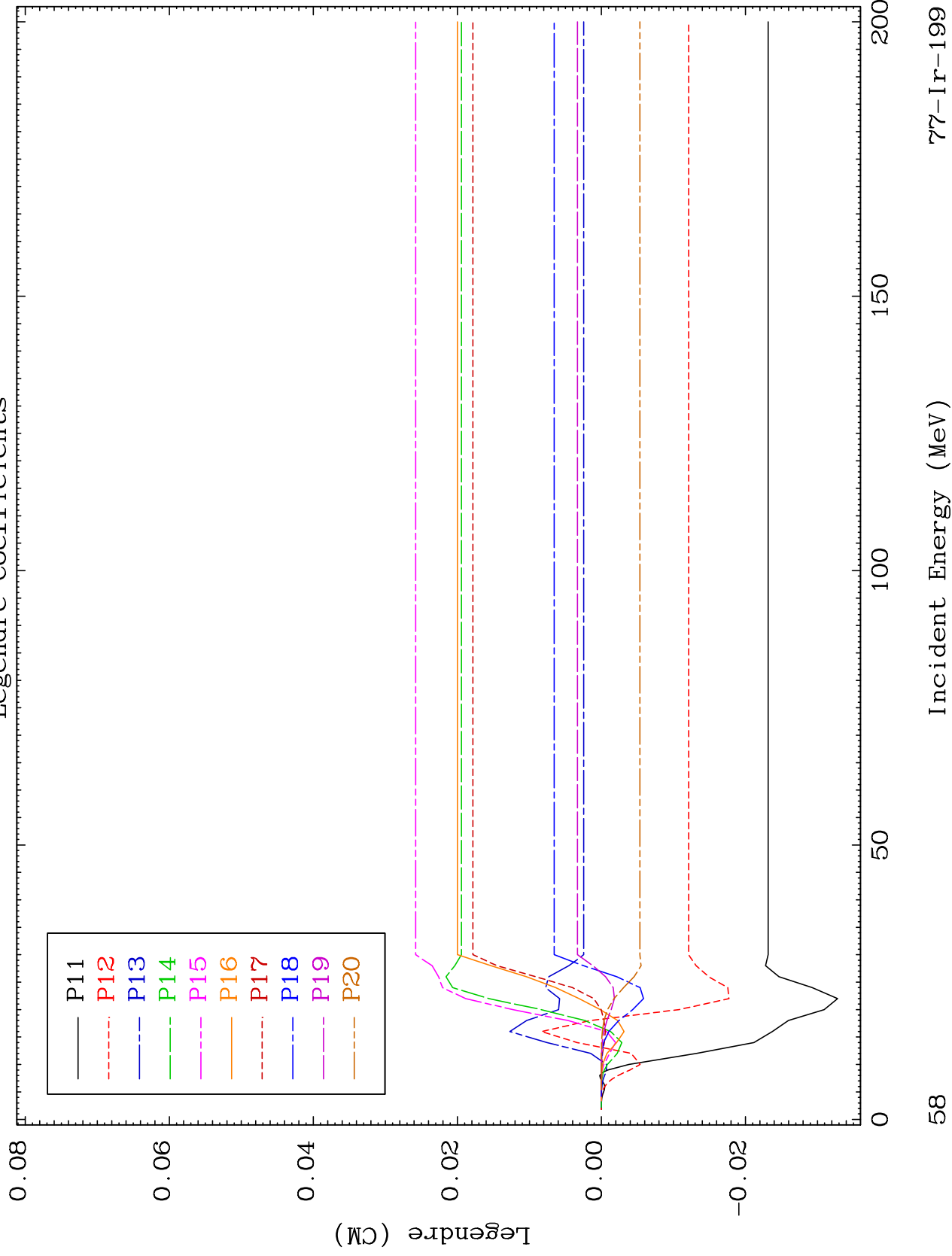
77-Ir-199



MAT 7749

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

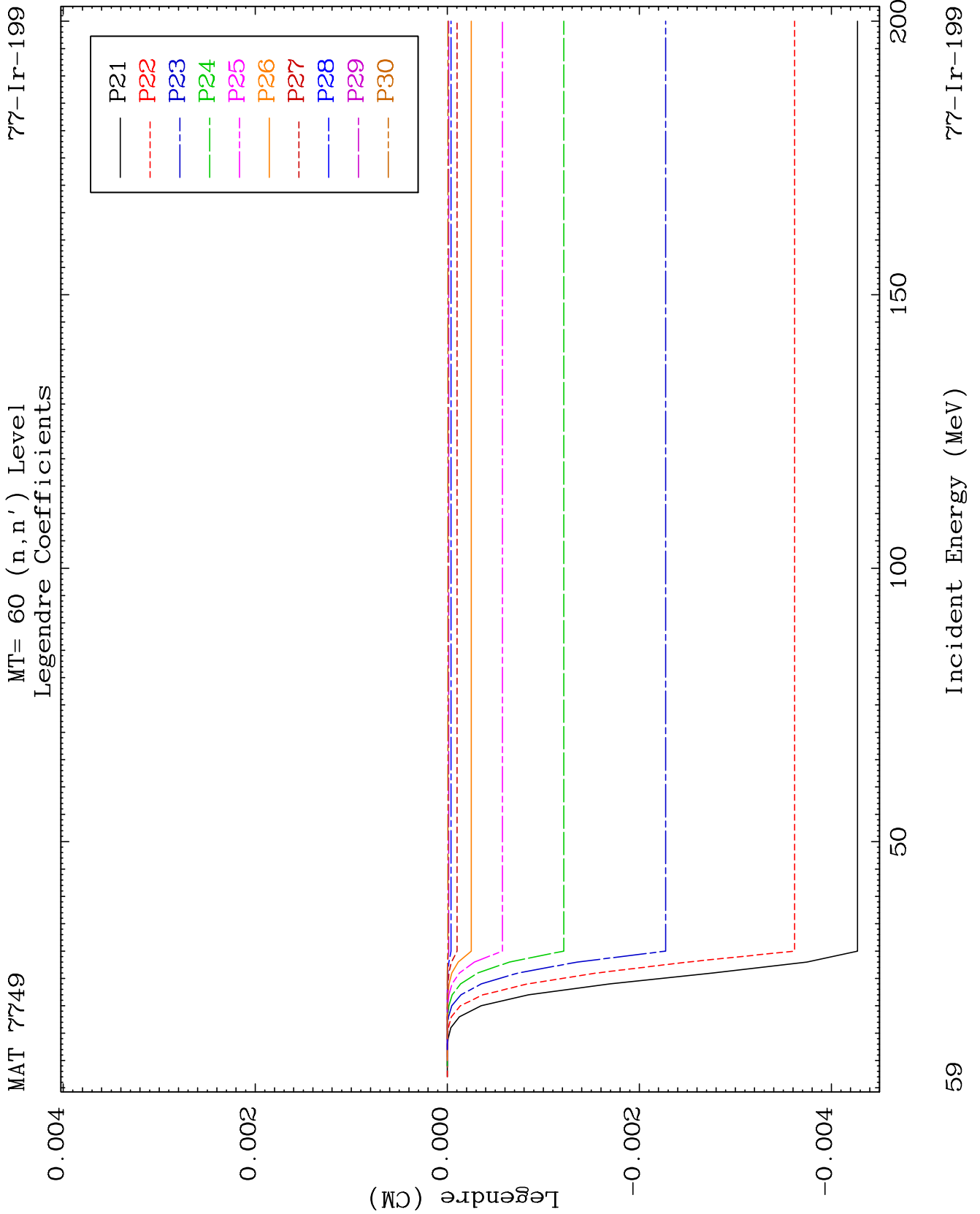
77-Ir-199

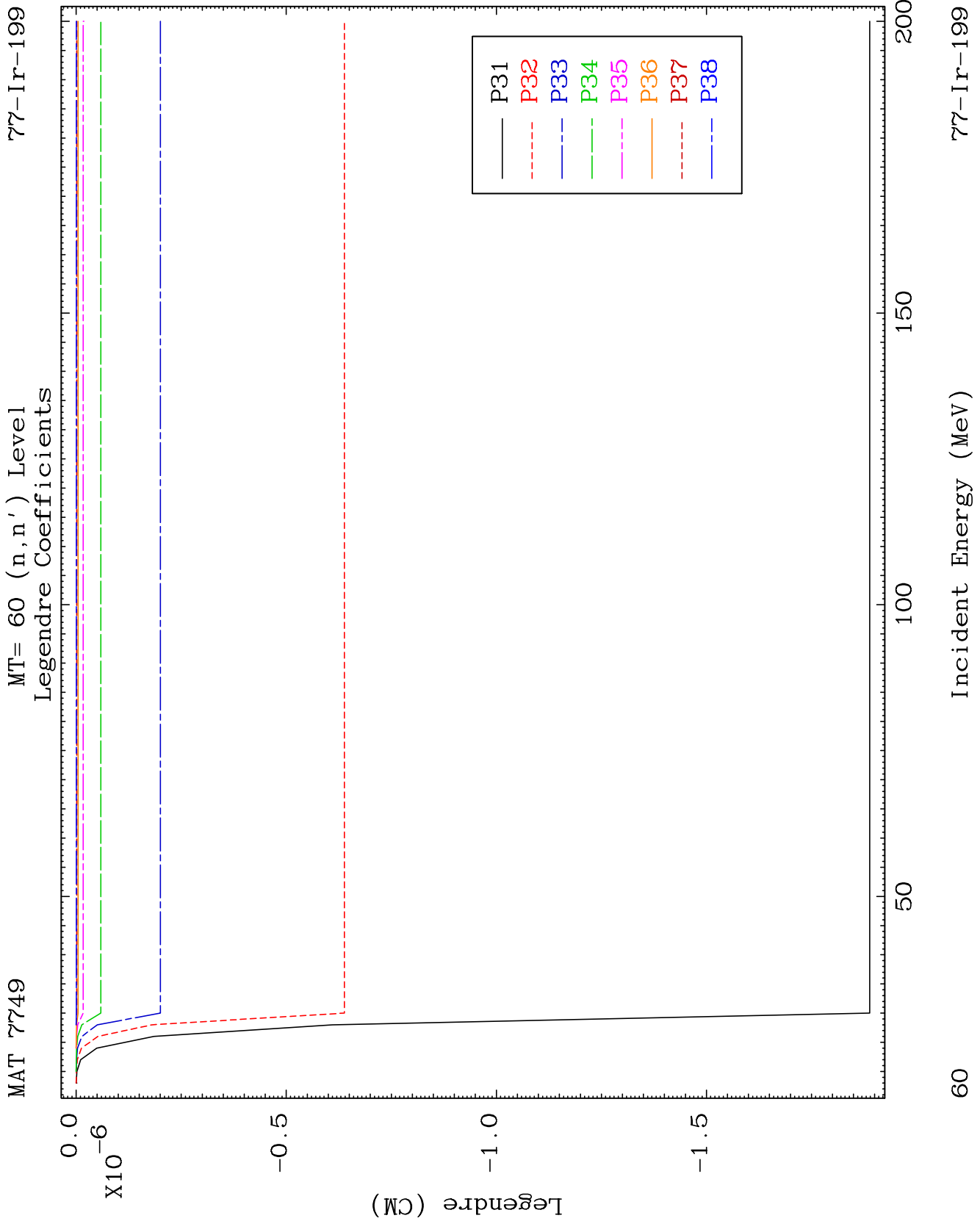


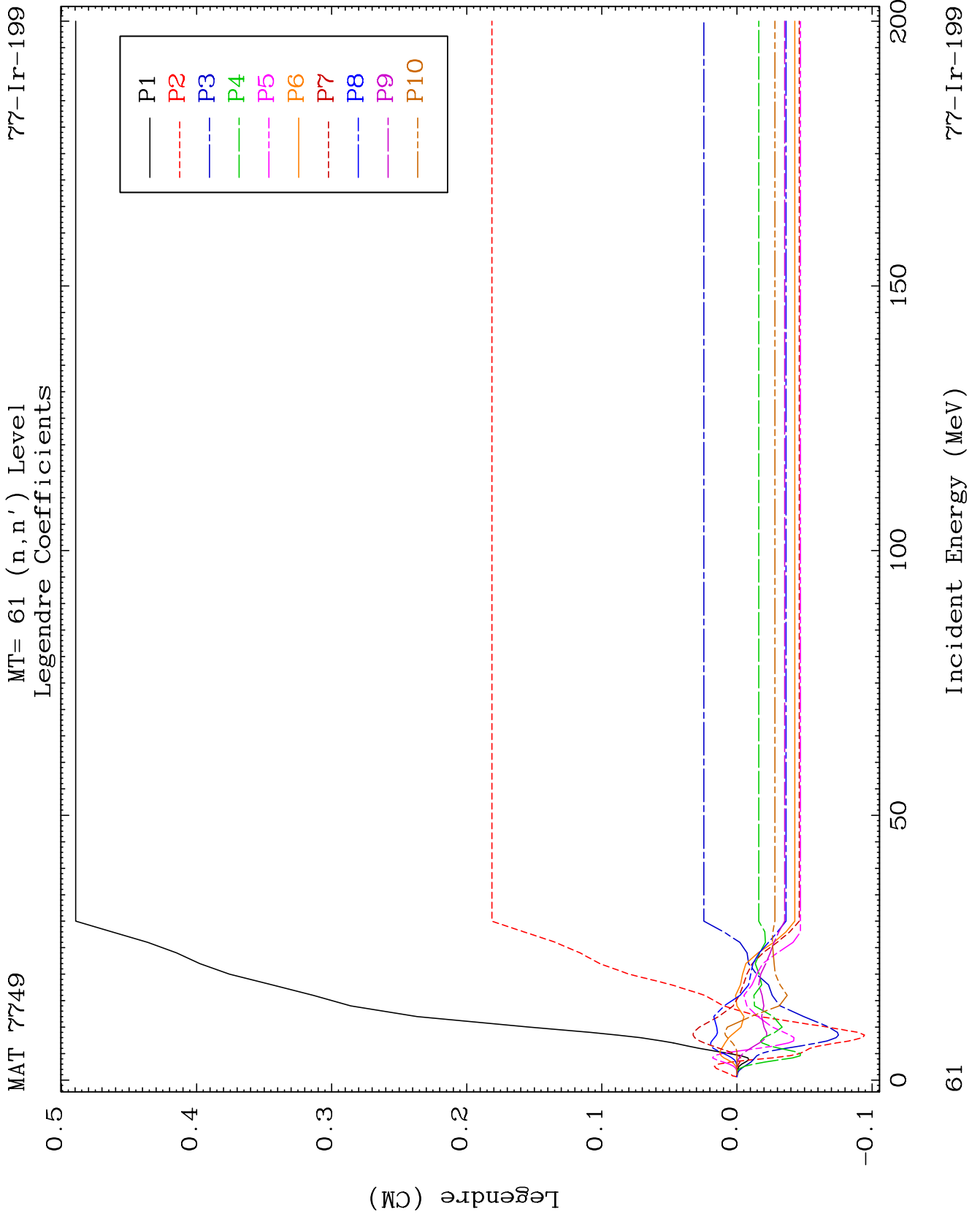
77-Ir-199

Incident Energy (MeV)

58



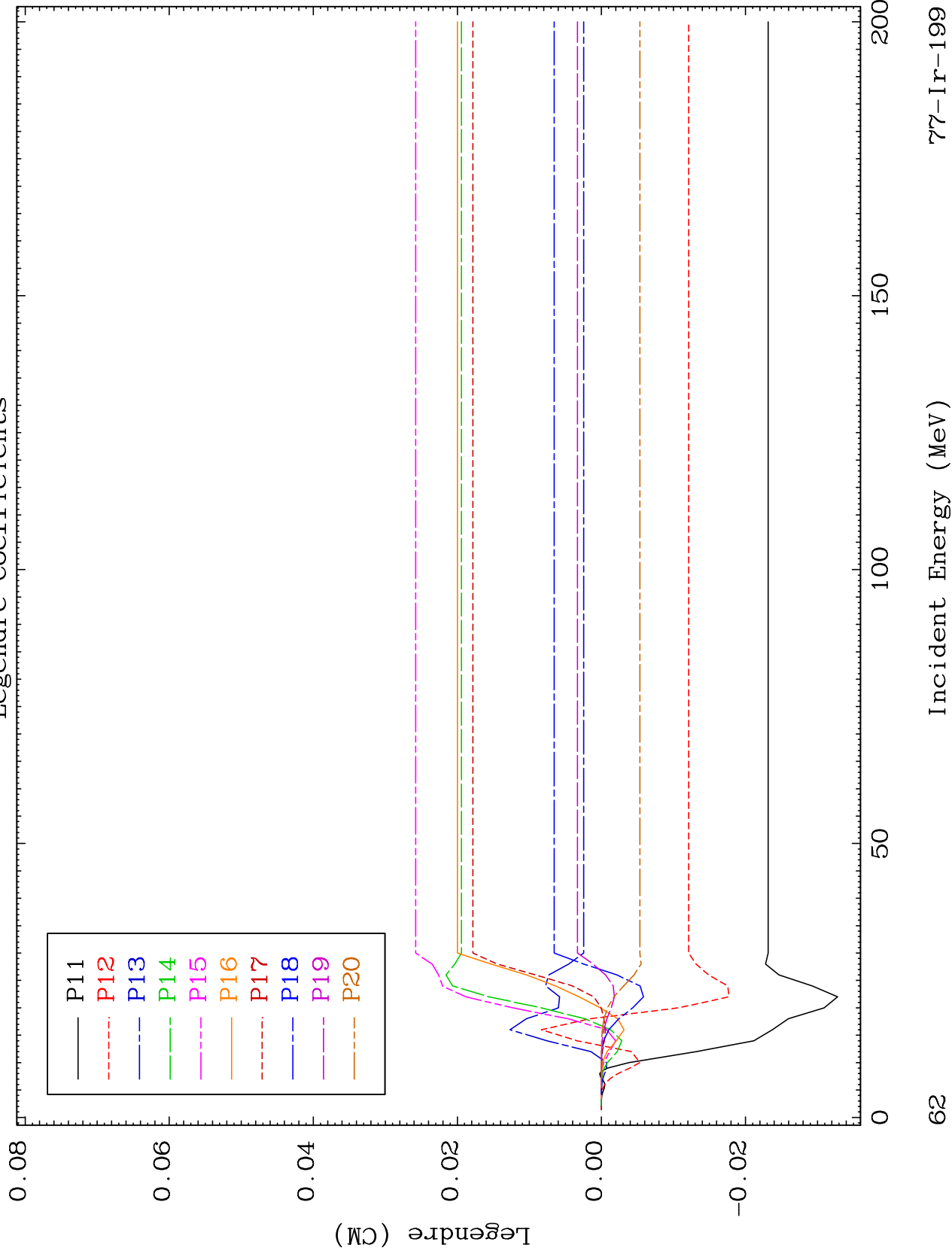




MAT 7749

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

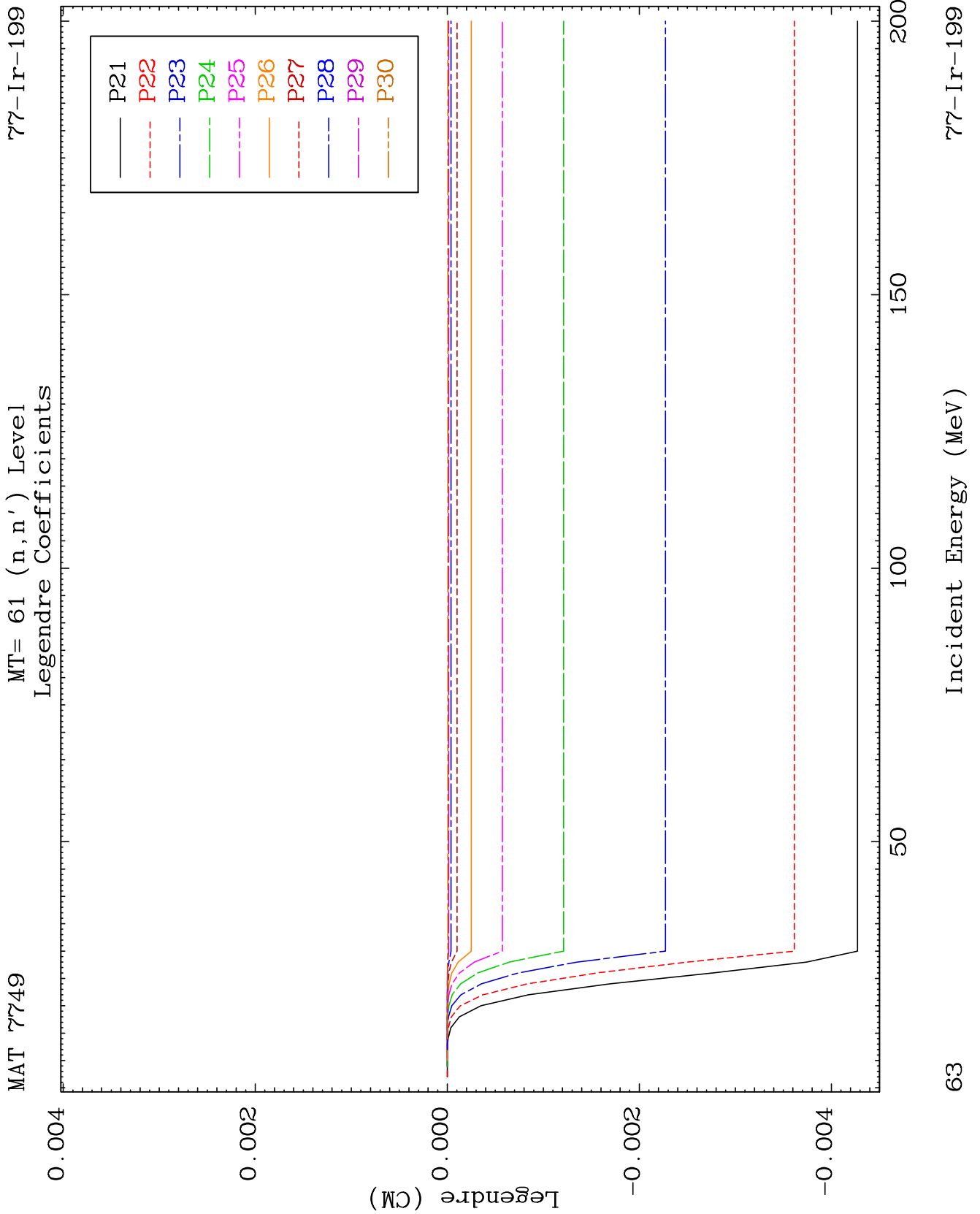
77-Ir-199

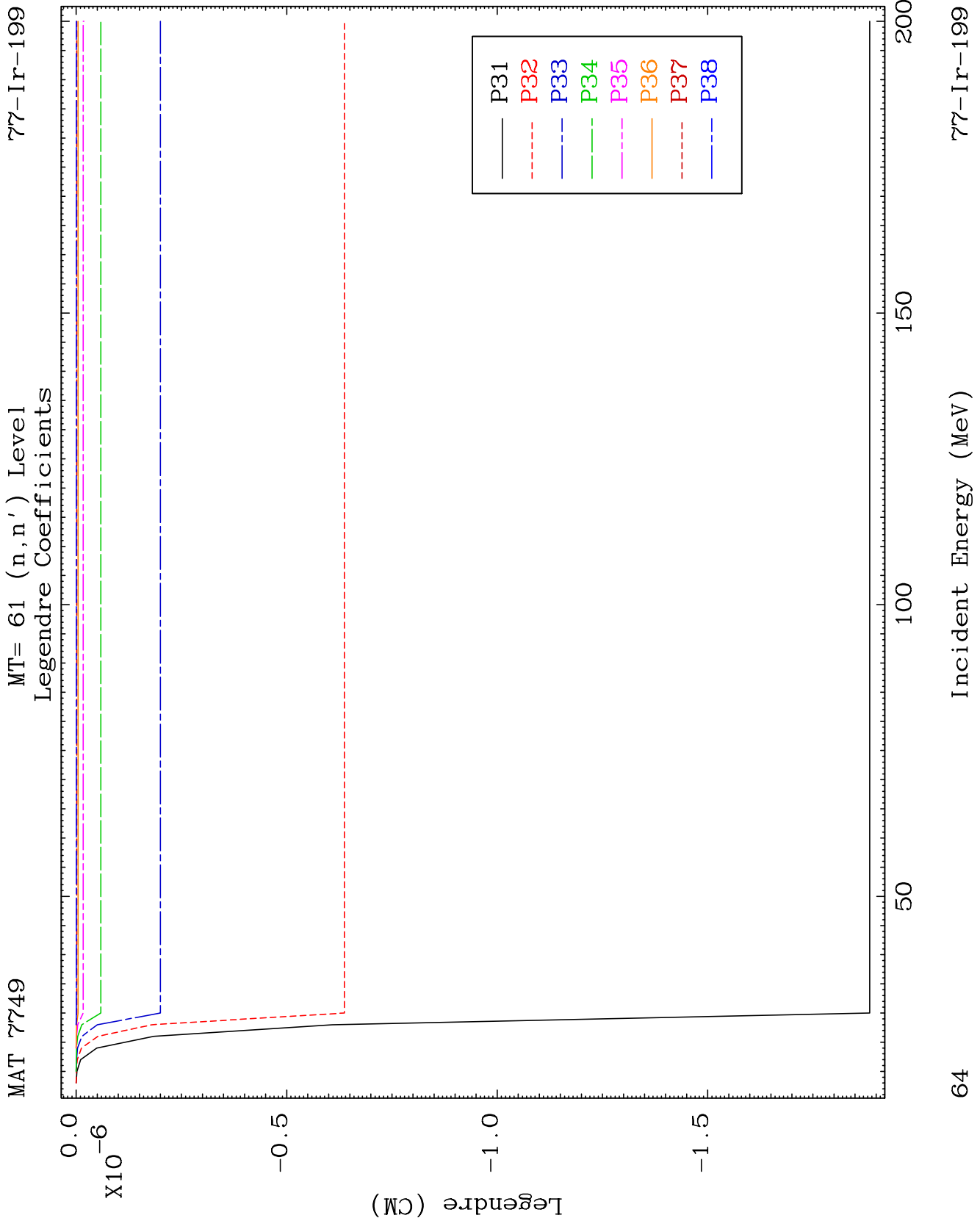


77-Ir-199

Incident Energy (MeV)

62

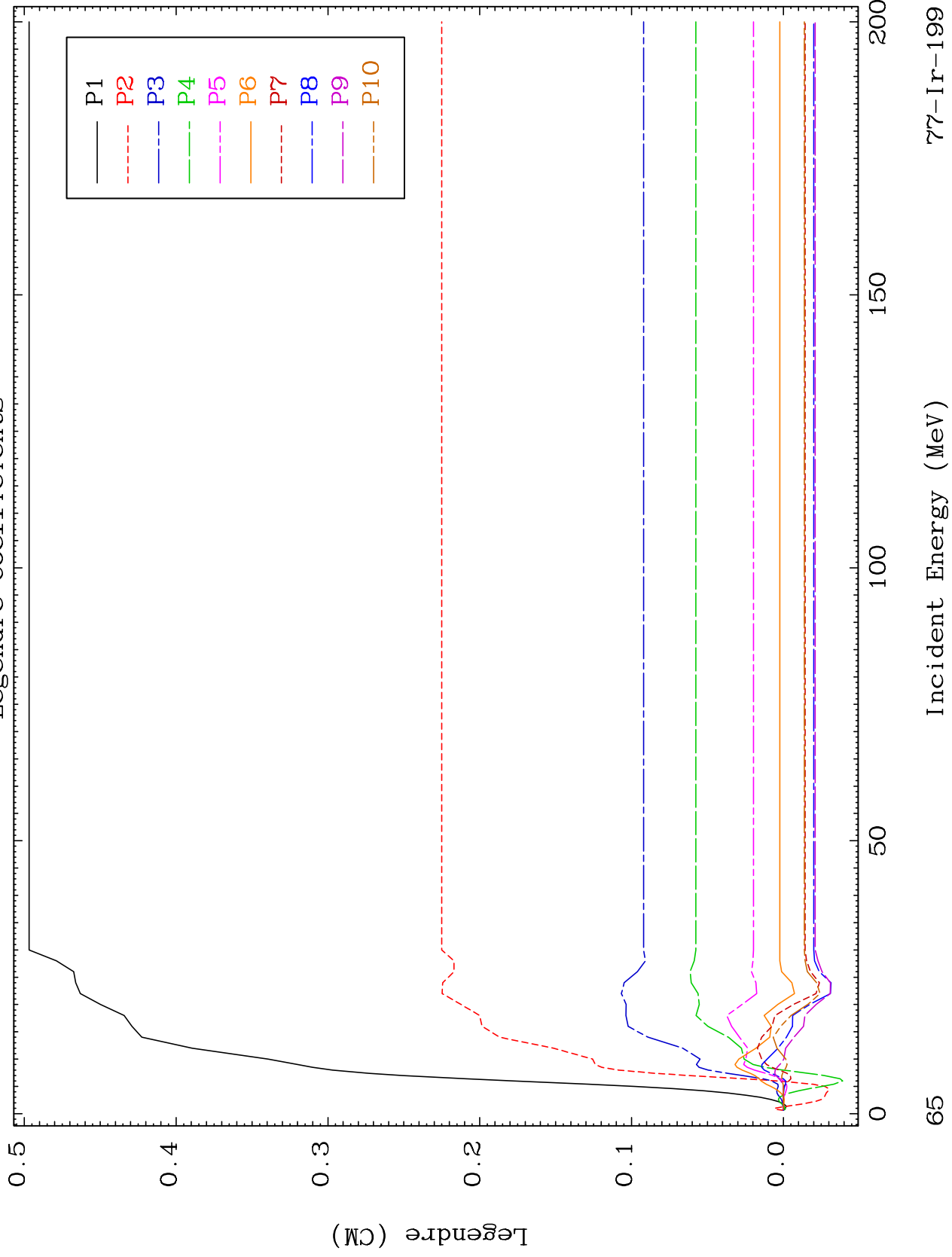


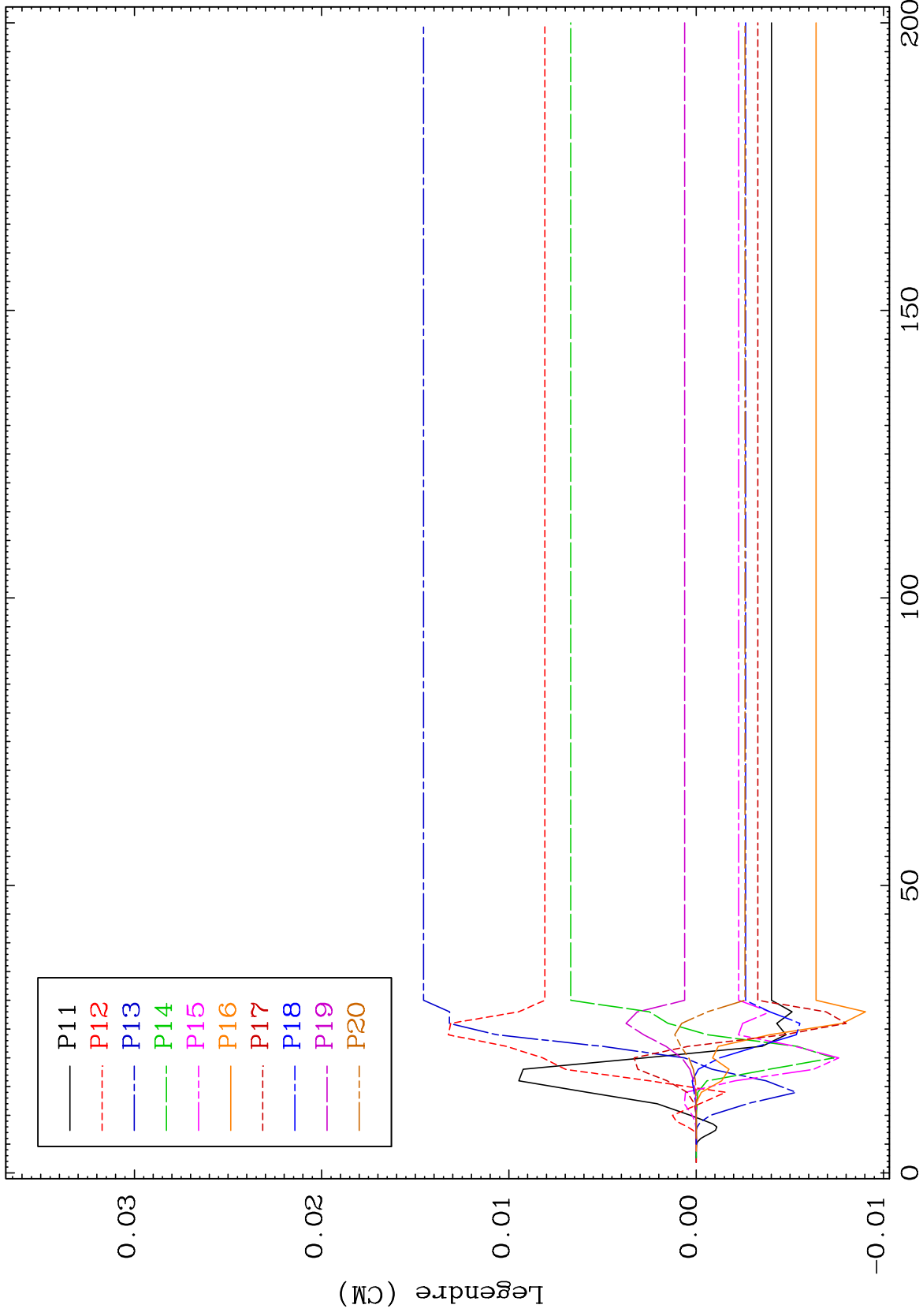


MAT 7749

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

77-Ir-199

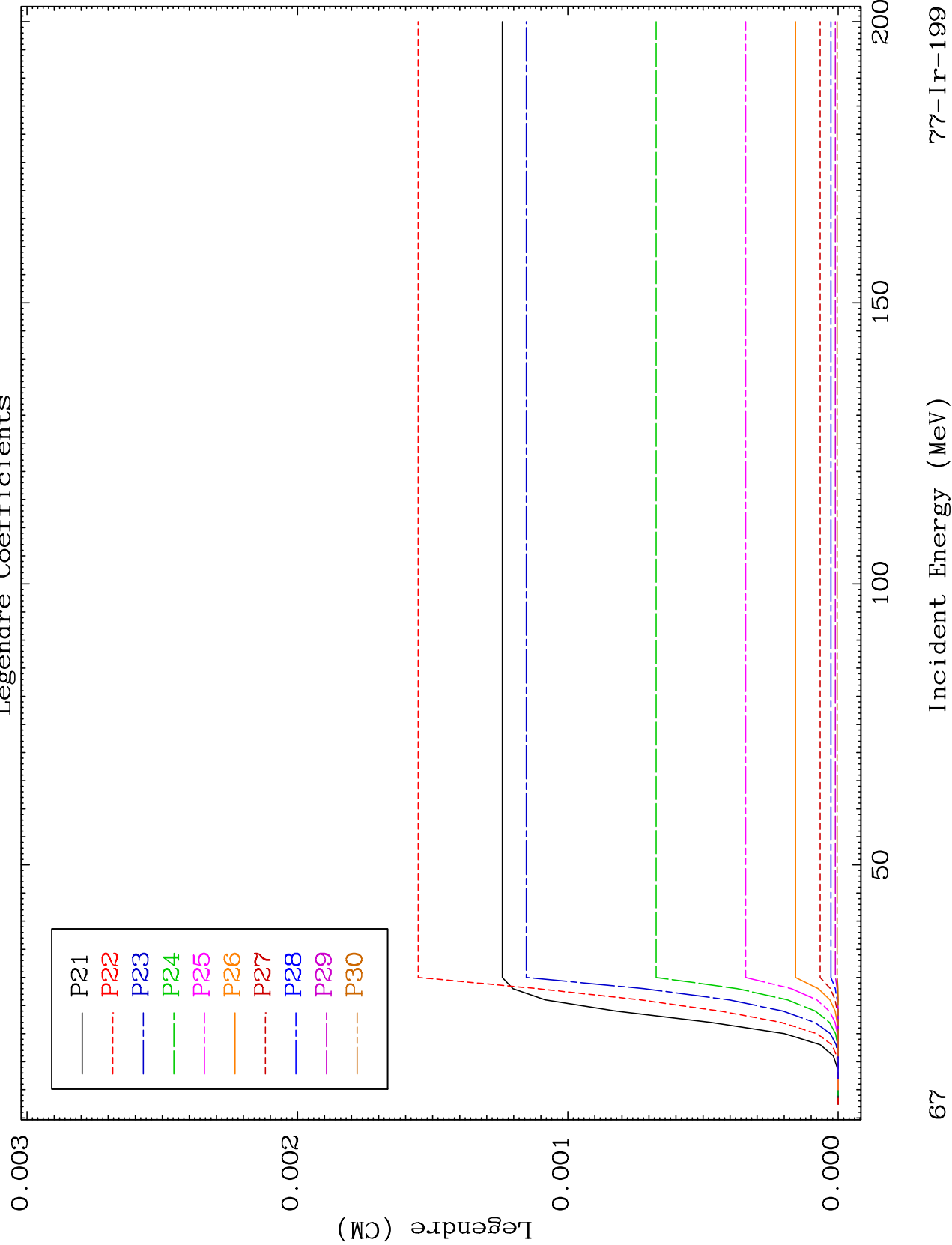




MAT 7749

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

77-Ir-199



67

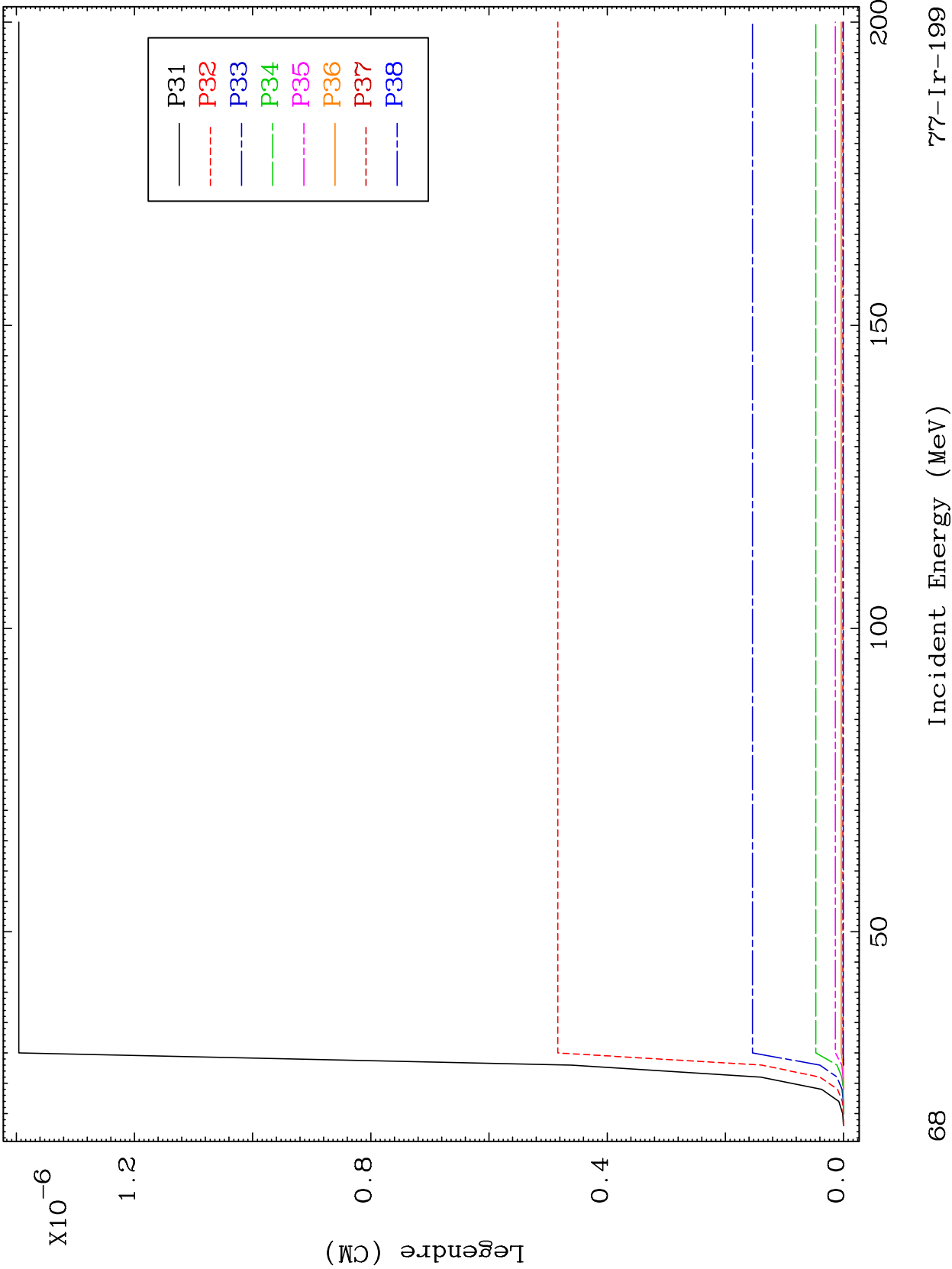
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



68

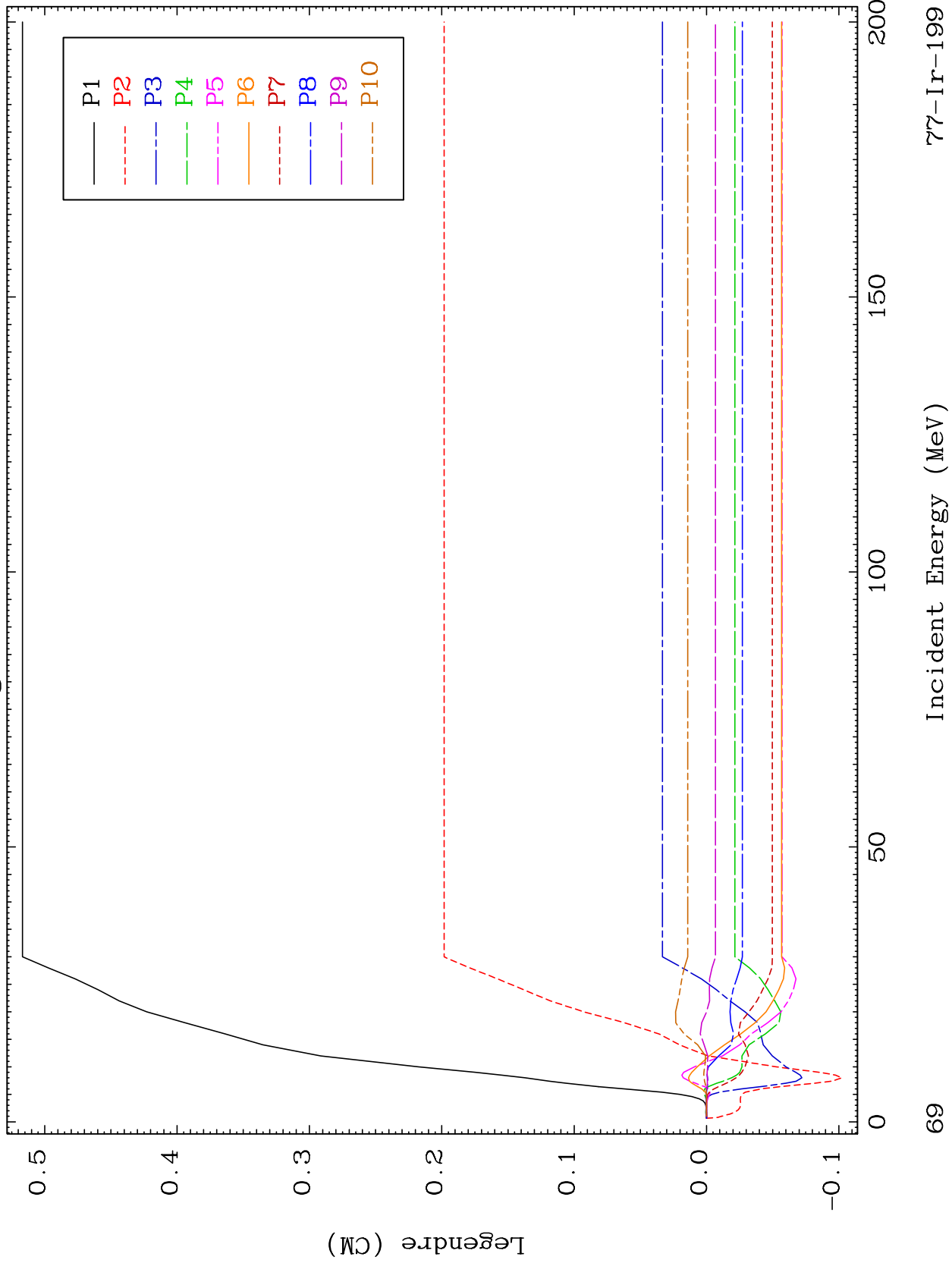
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

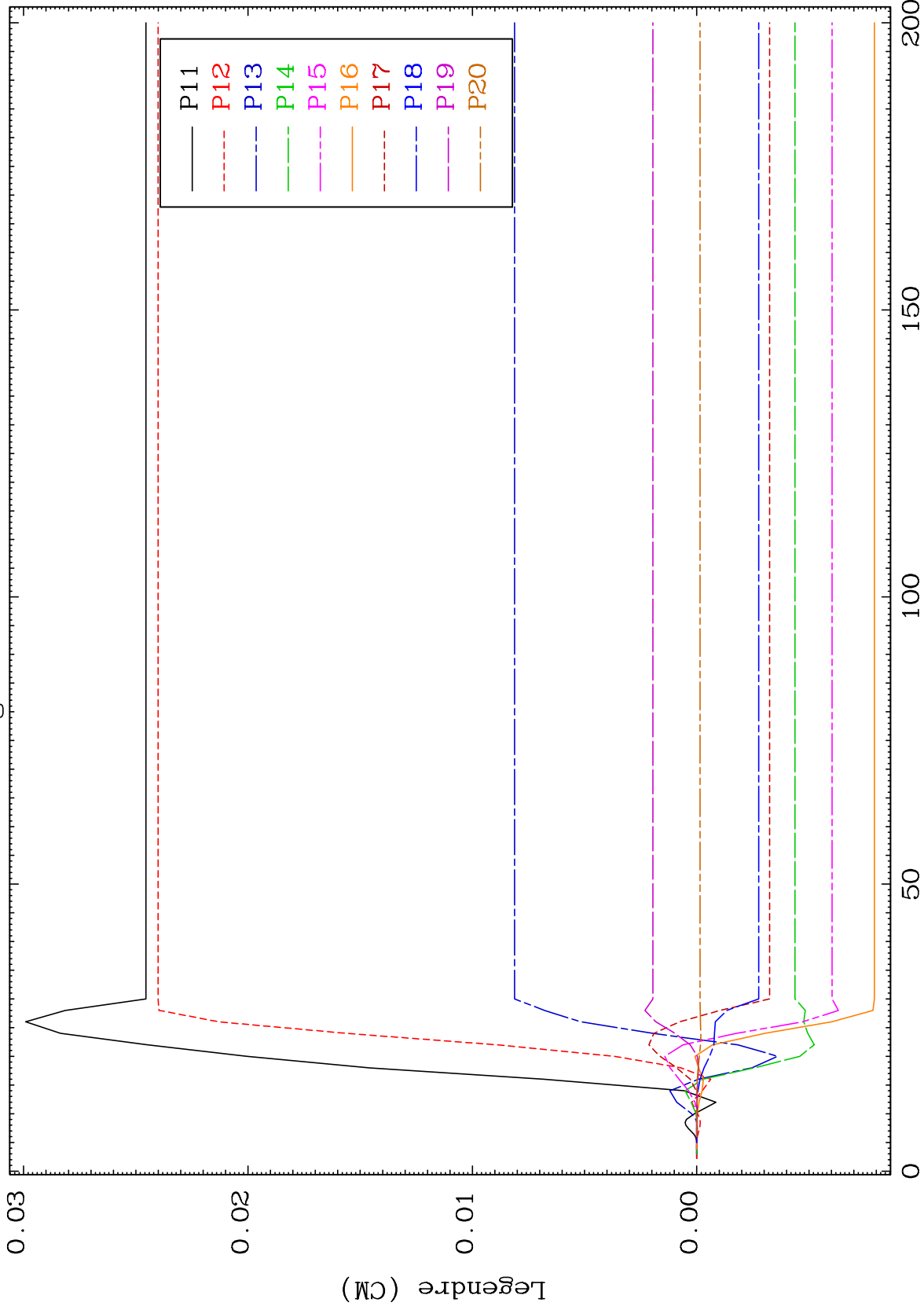
77-Ir-199



MAT 7749

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

77-Ir-199



77-Ir-199

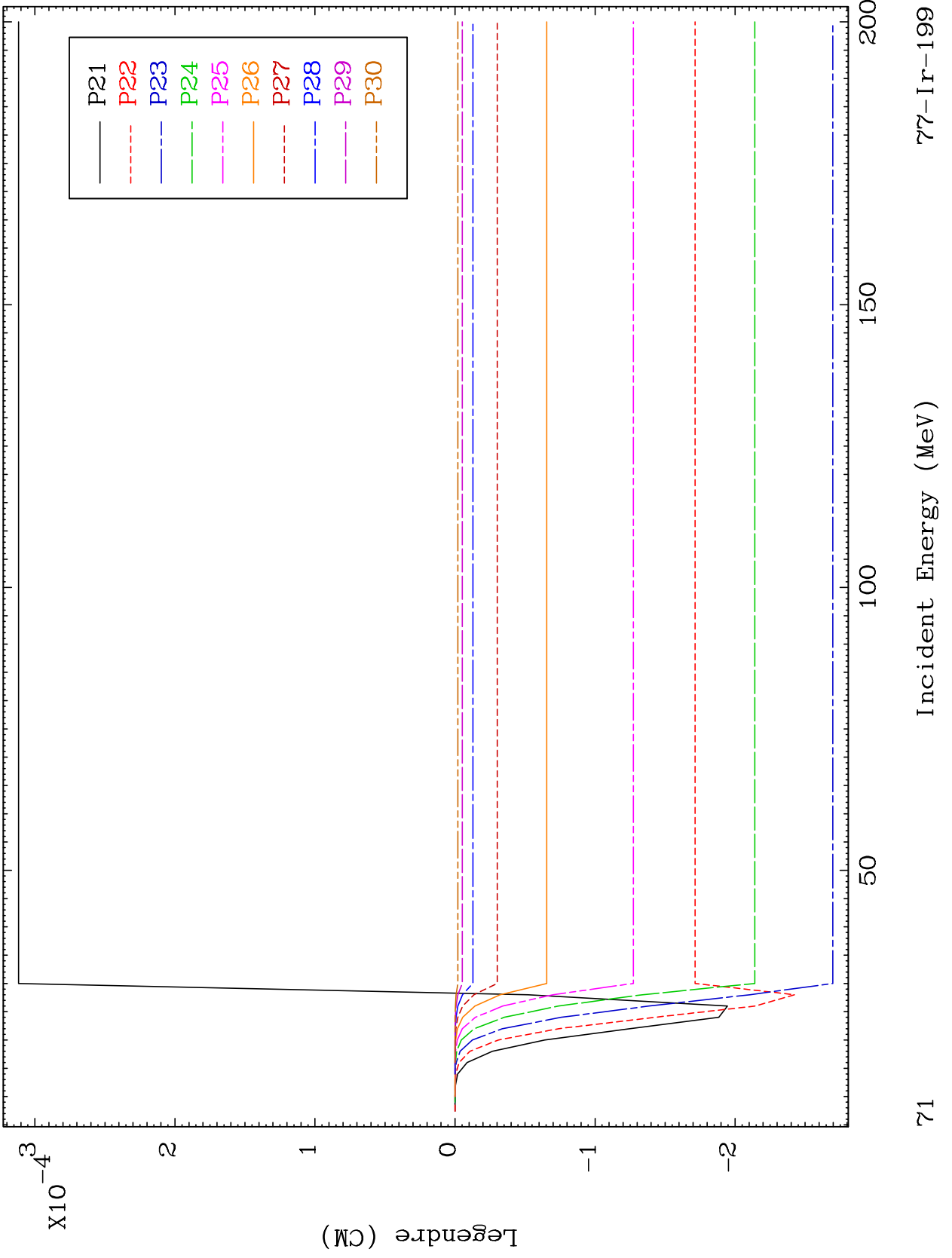
Incident Energy (MeV)

70

MAT 7749

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

77-Ir-199



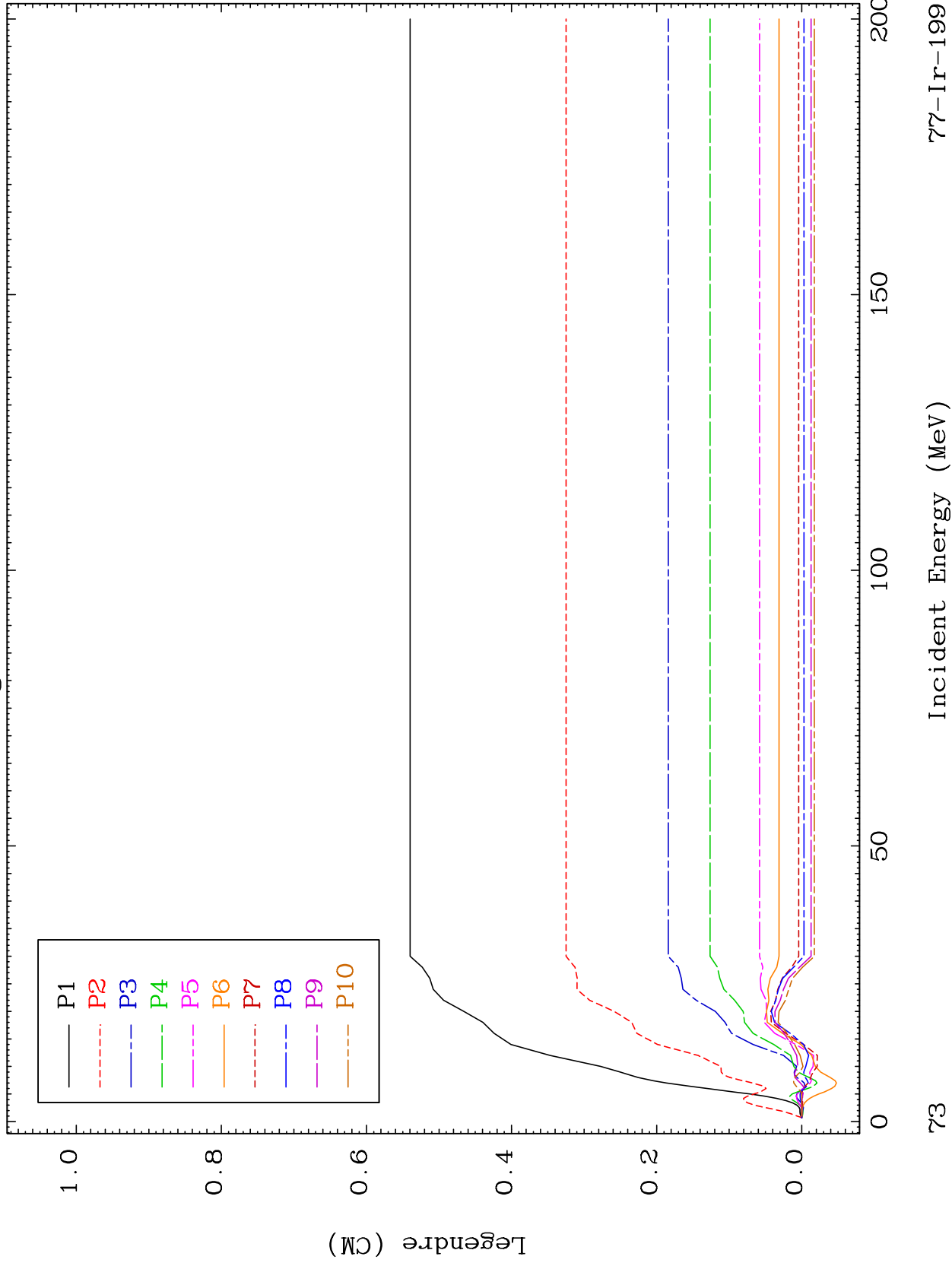
71

77-Ir-199

MAT 7749

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

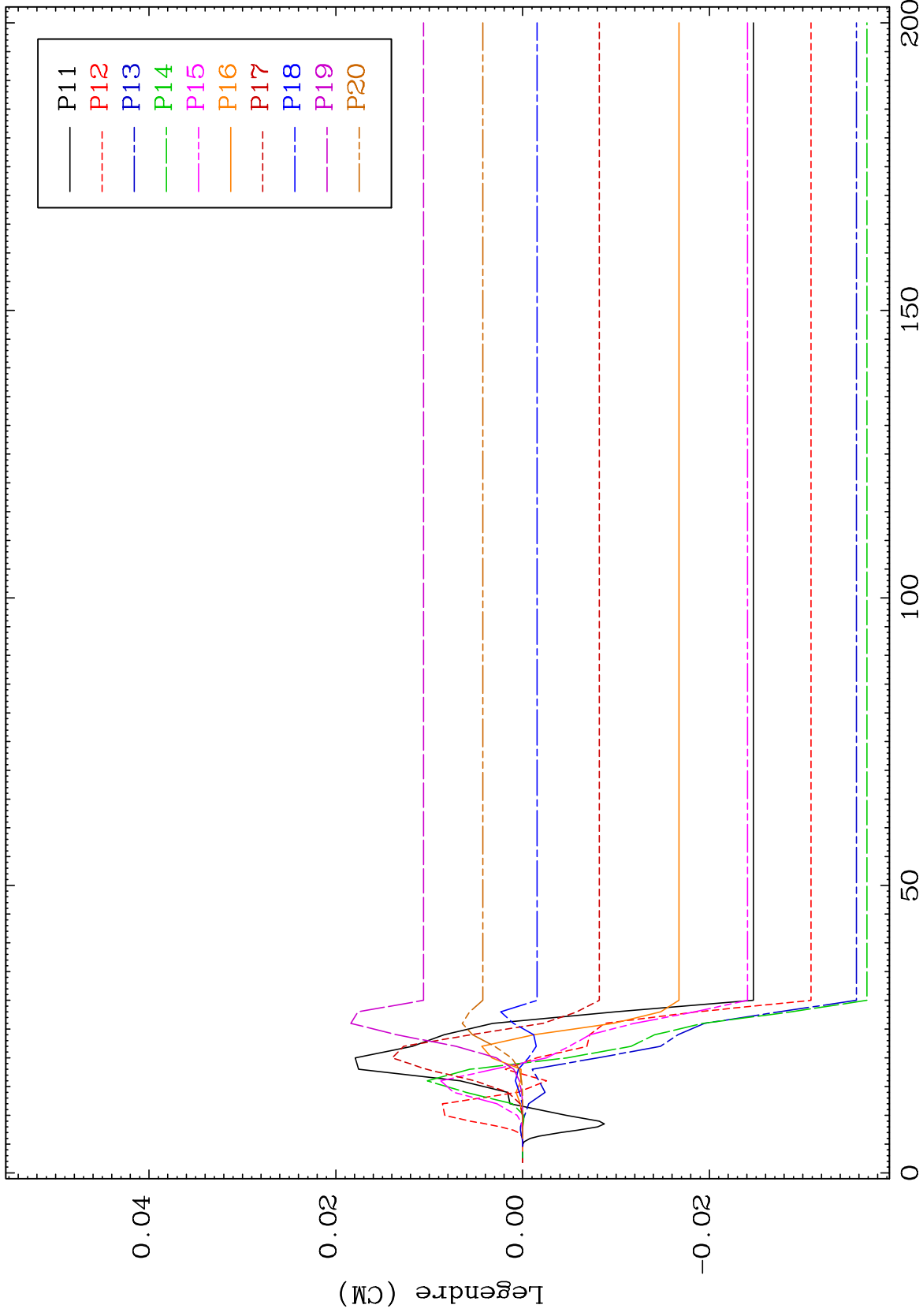
77-Ir-199



MAT 7749

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

77-Ir-199



74

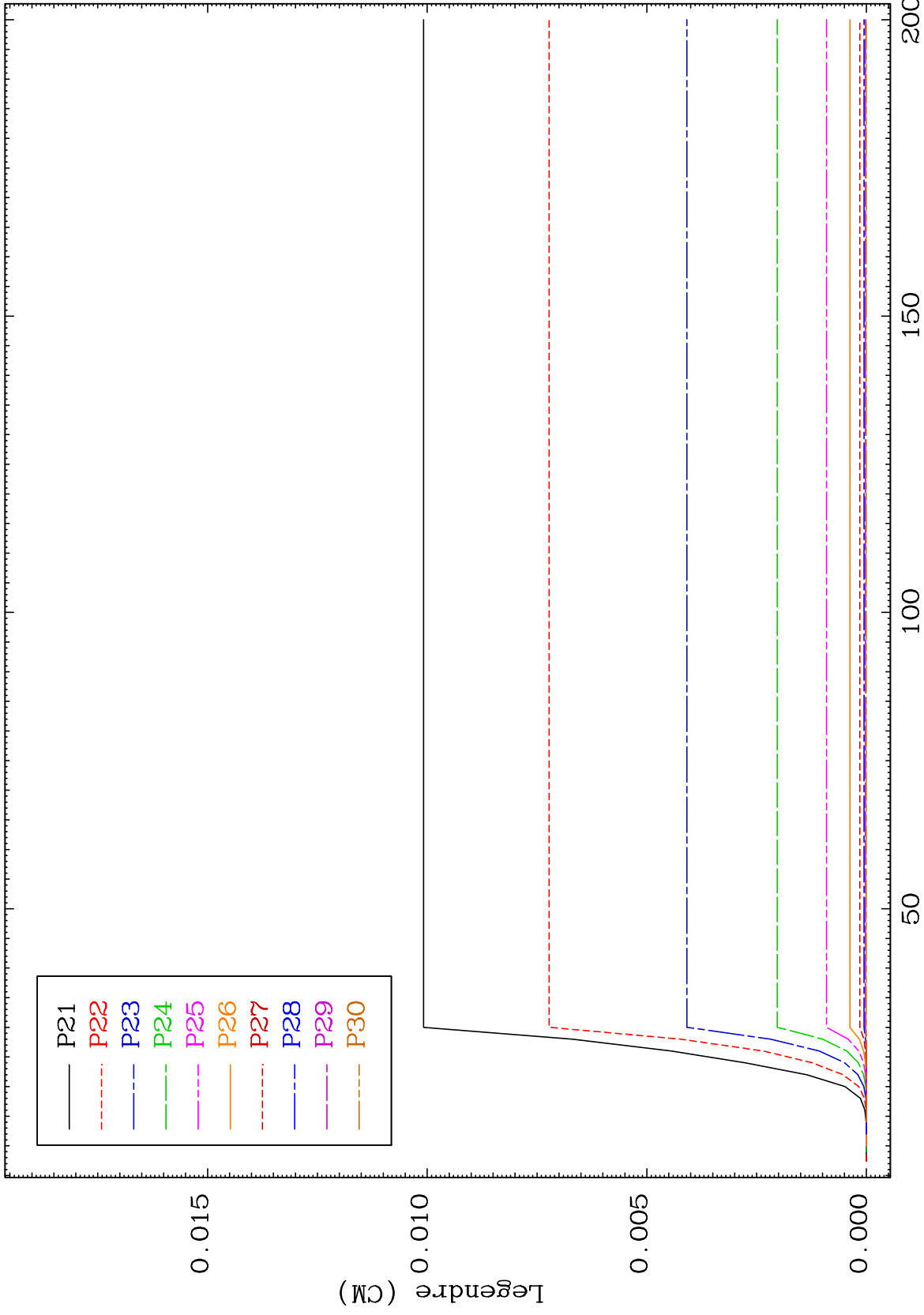
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



75

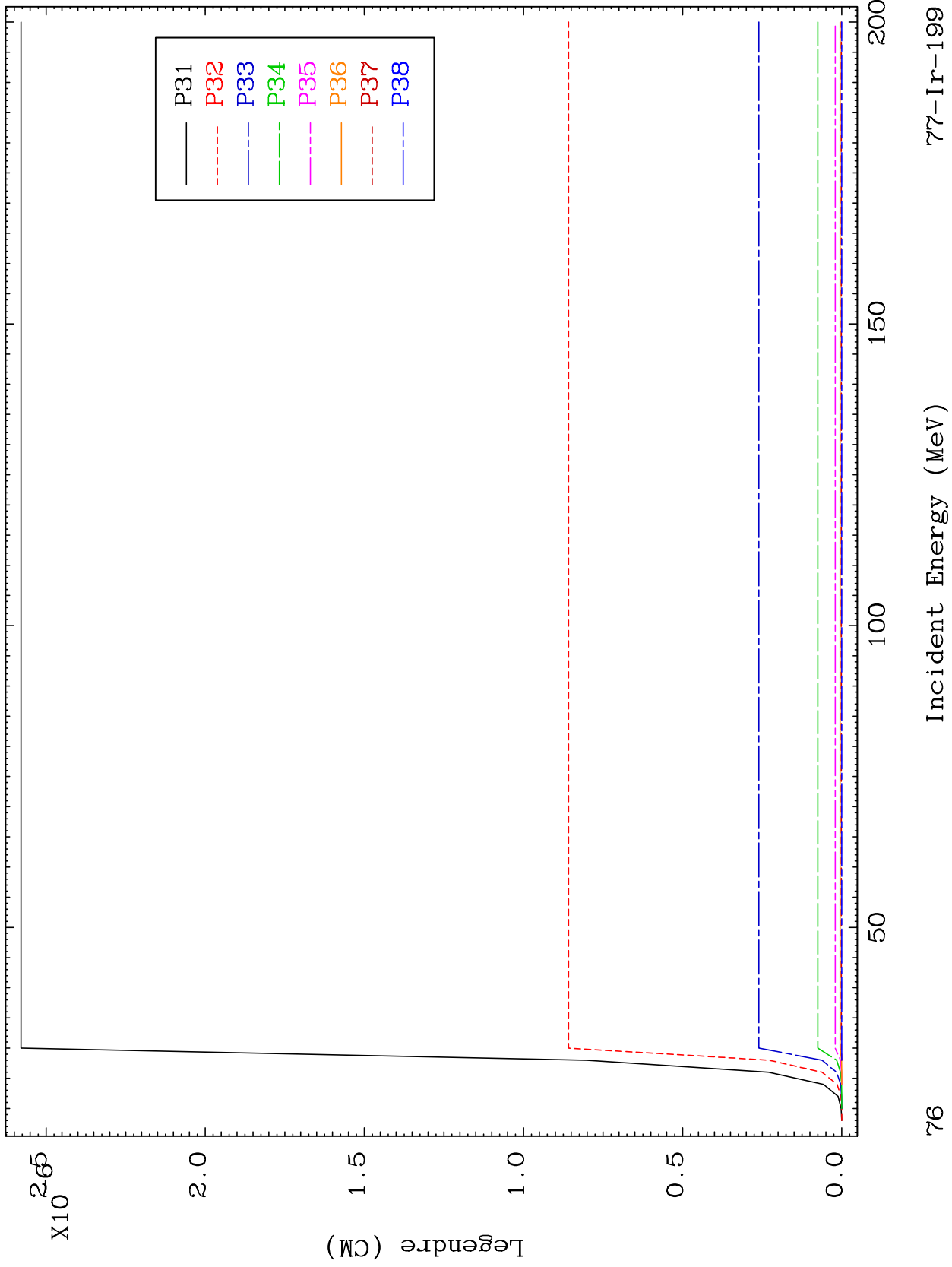
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



76

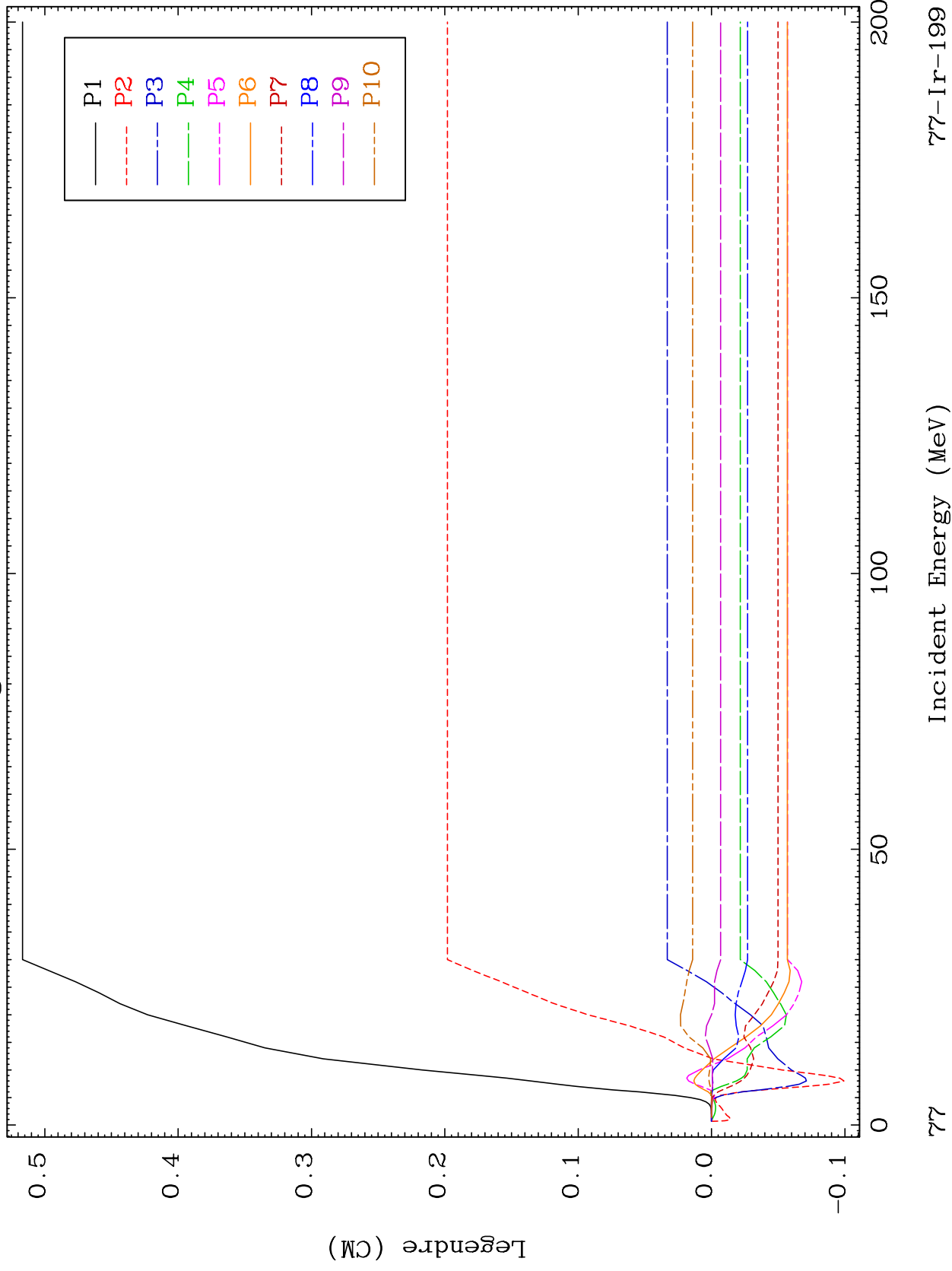
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

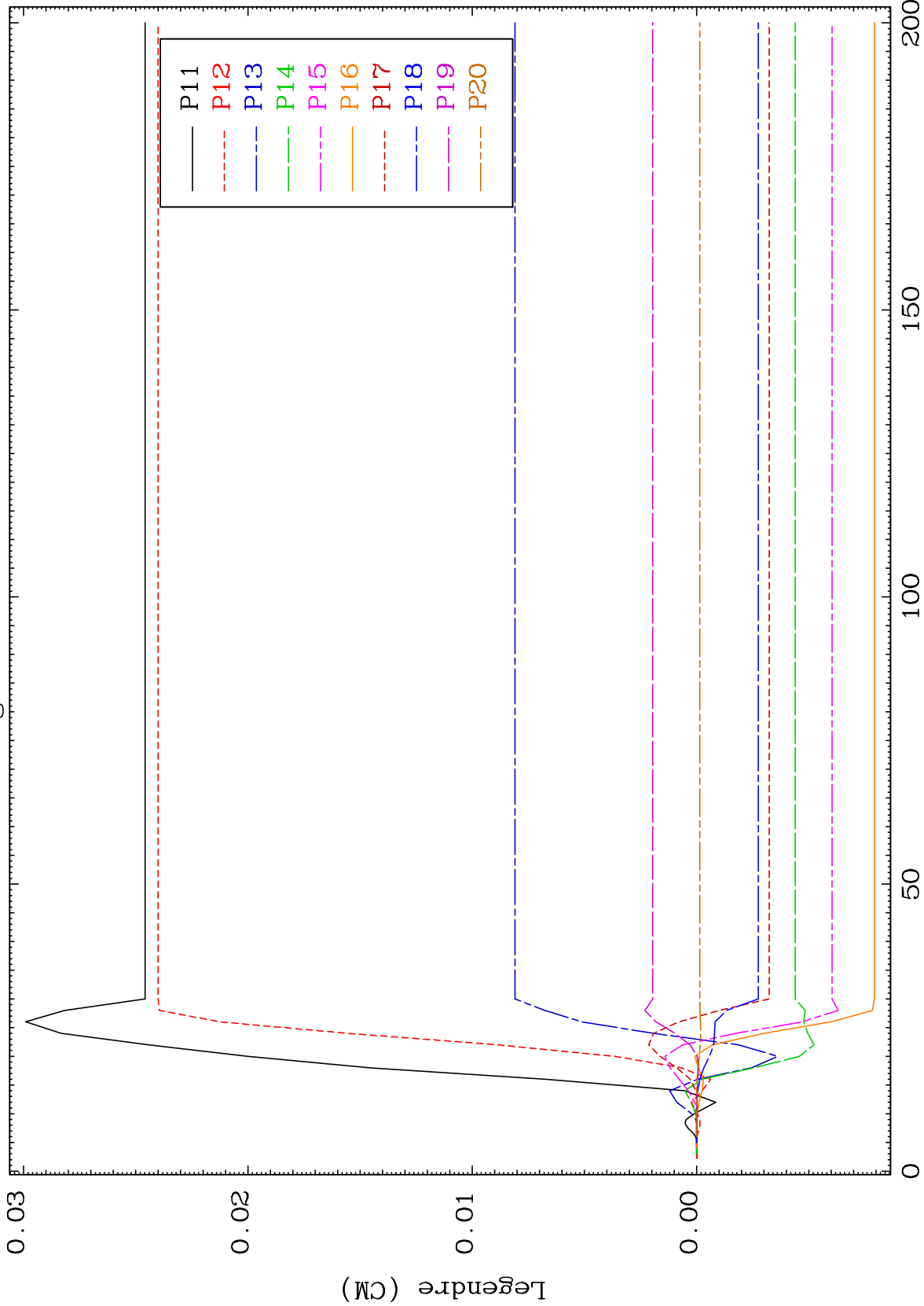
77-Ir-199



MAT 7749

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

77-Ir-199



78

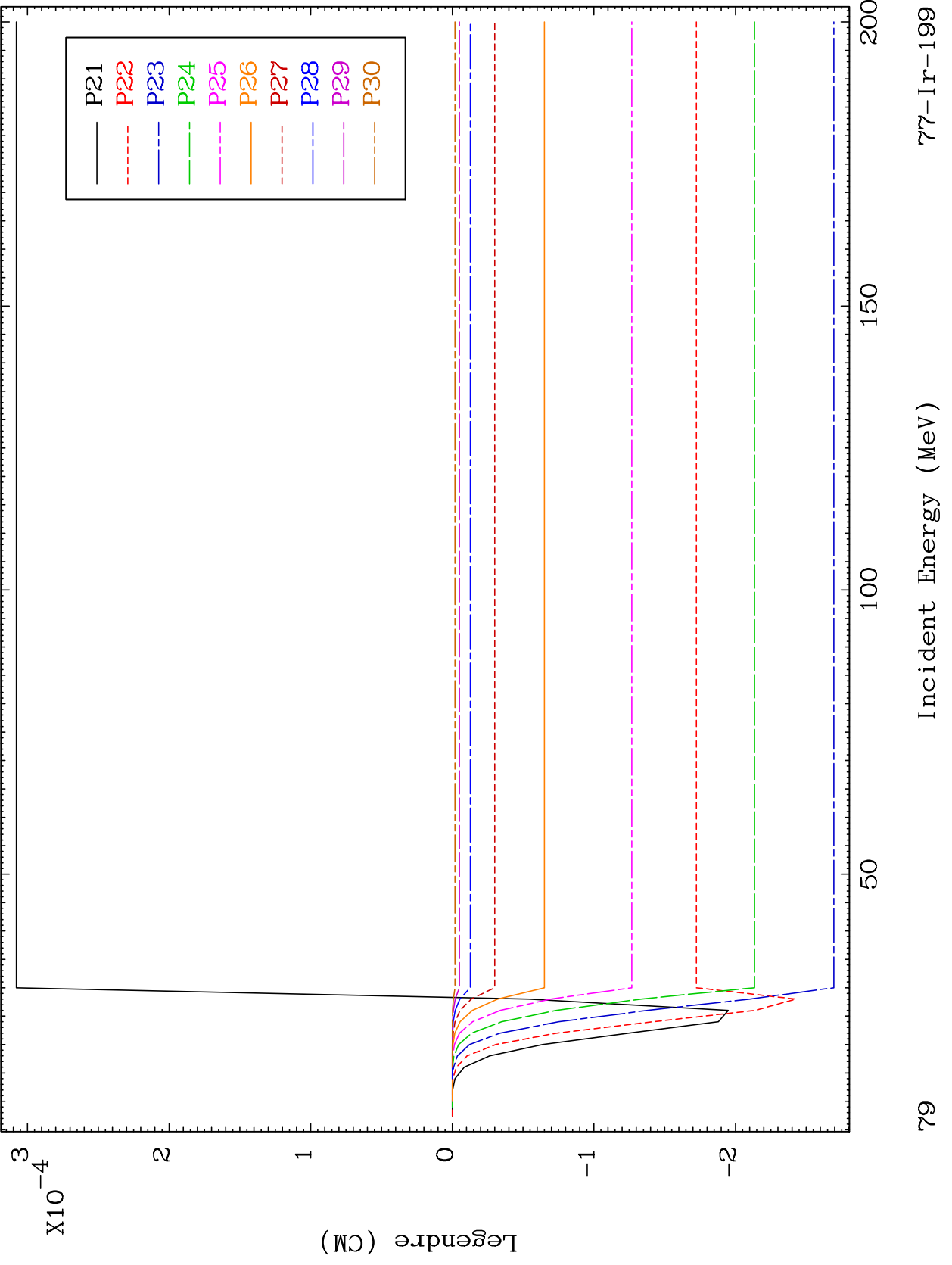
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

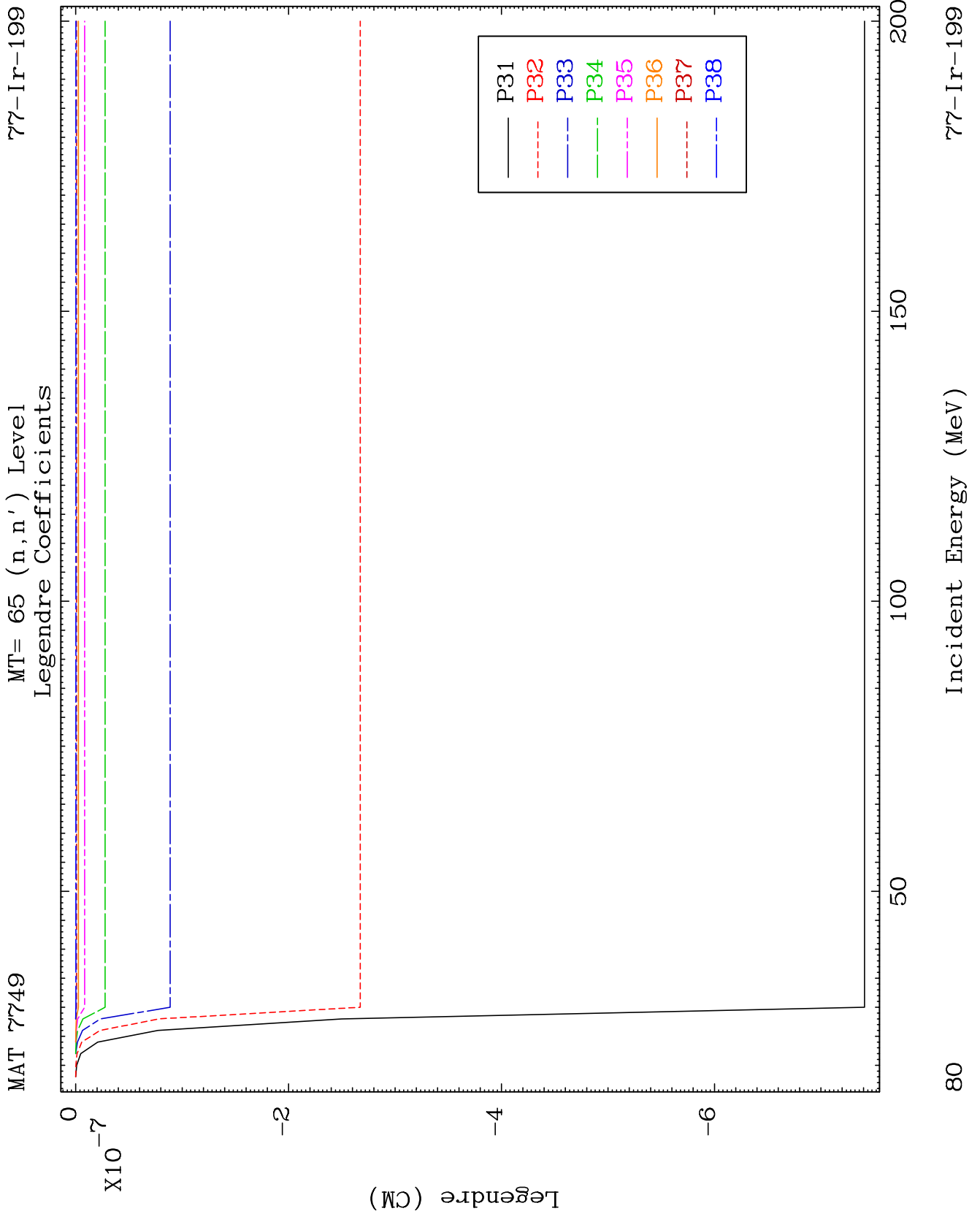
77-Ir-199



79

Incident Energy (MeV)

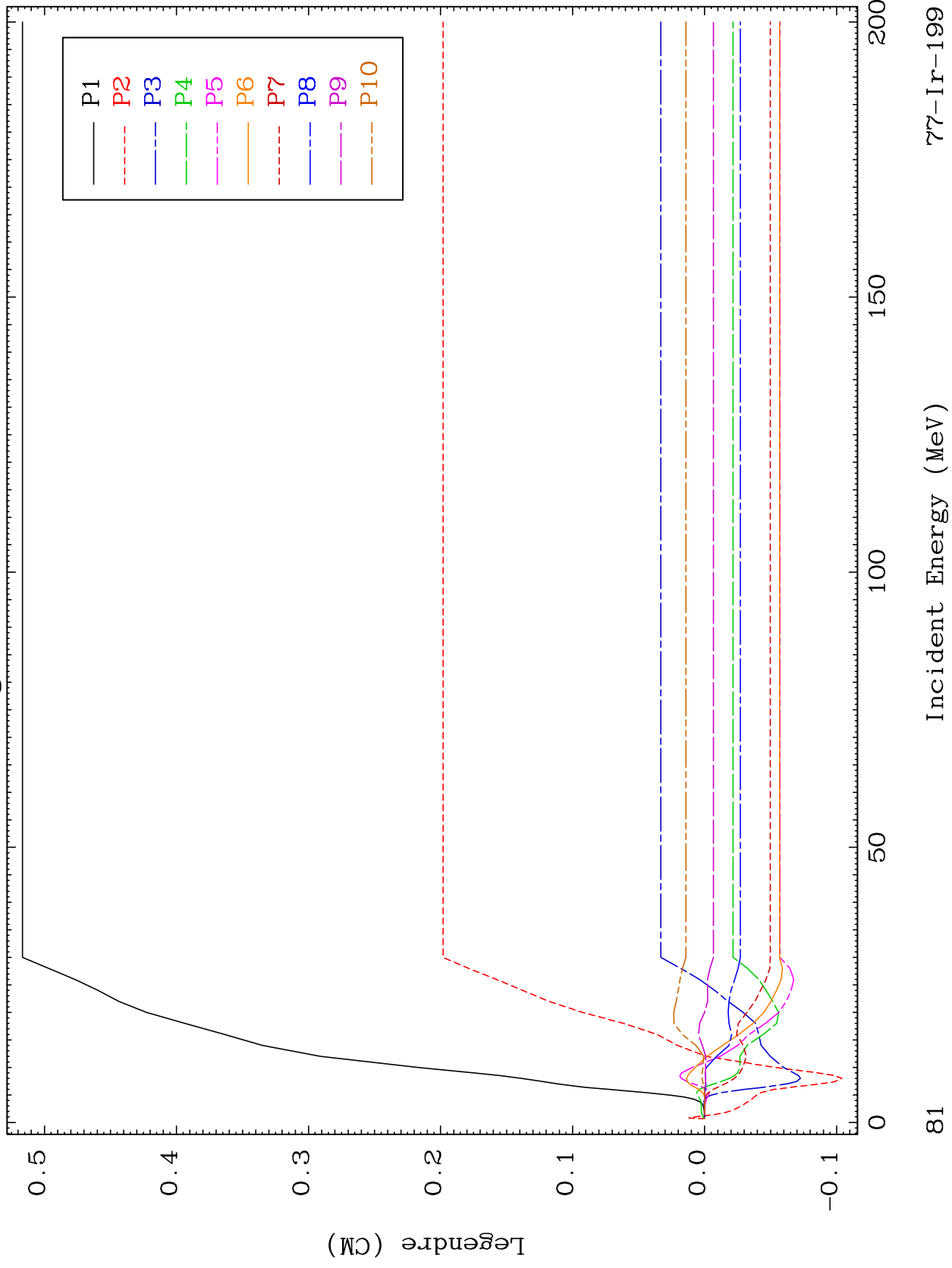
77-Ir-199



MAT 7749

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

77-Ir-199



81

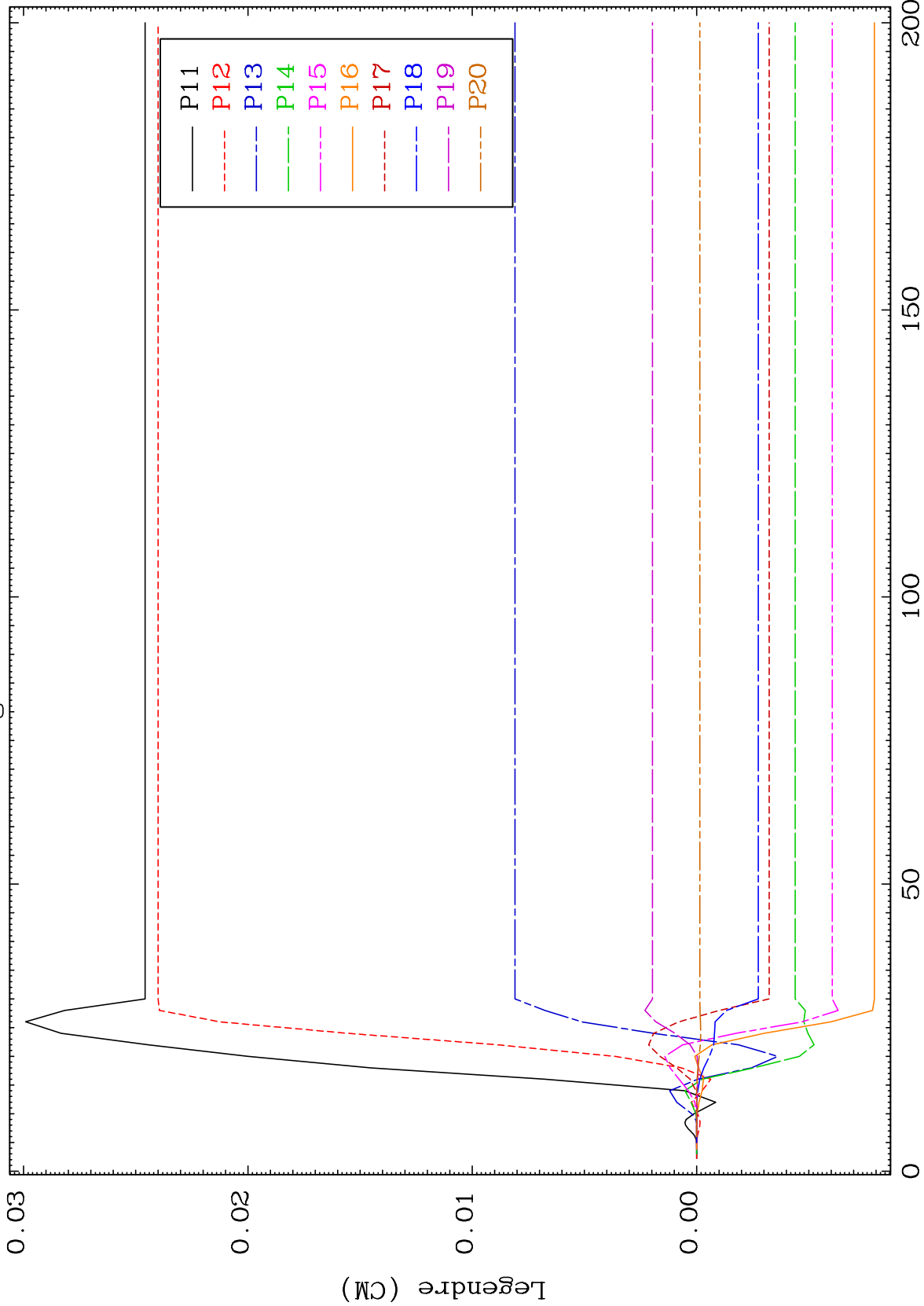
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

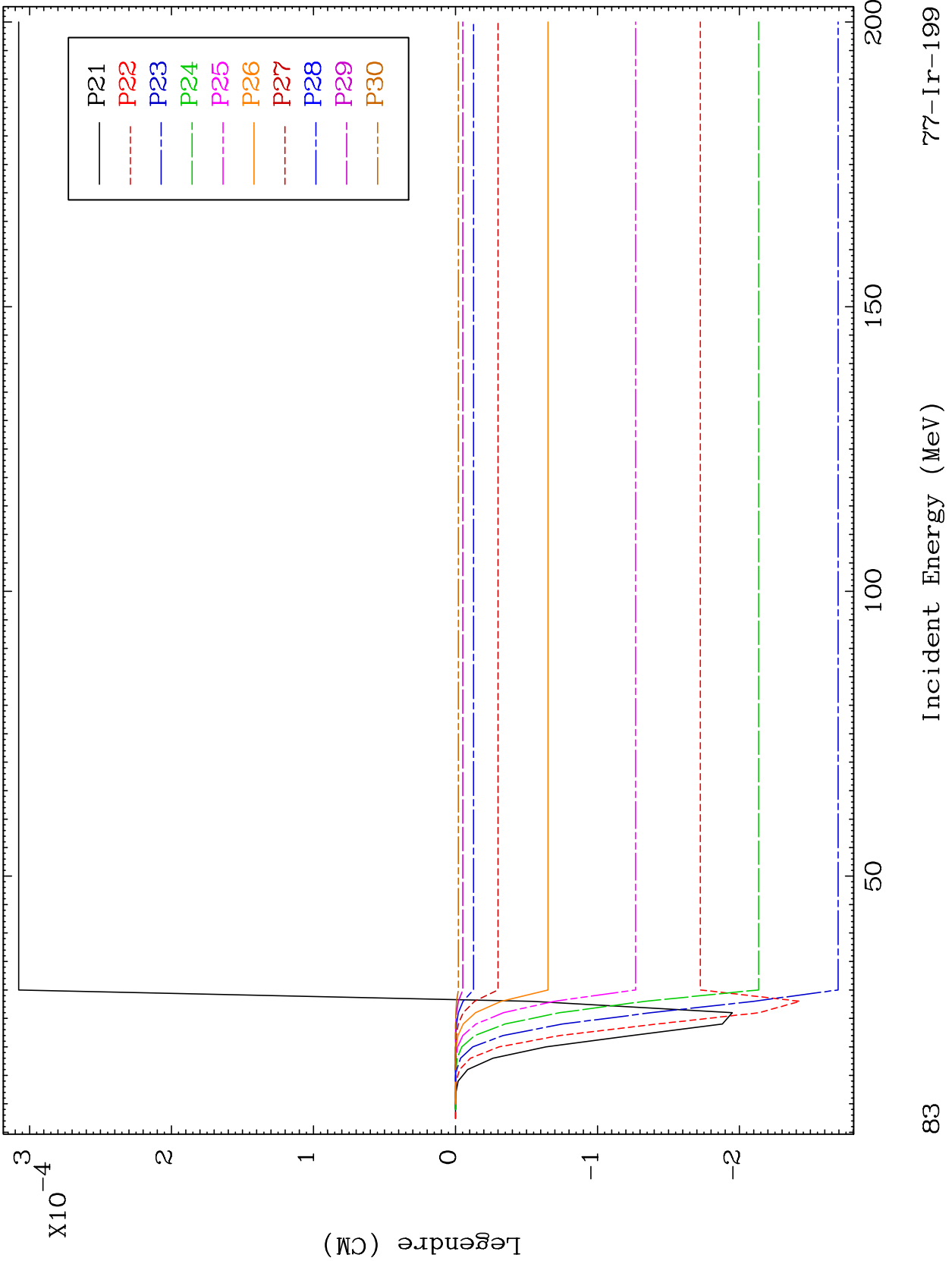
77-Ir-199

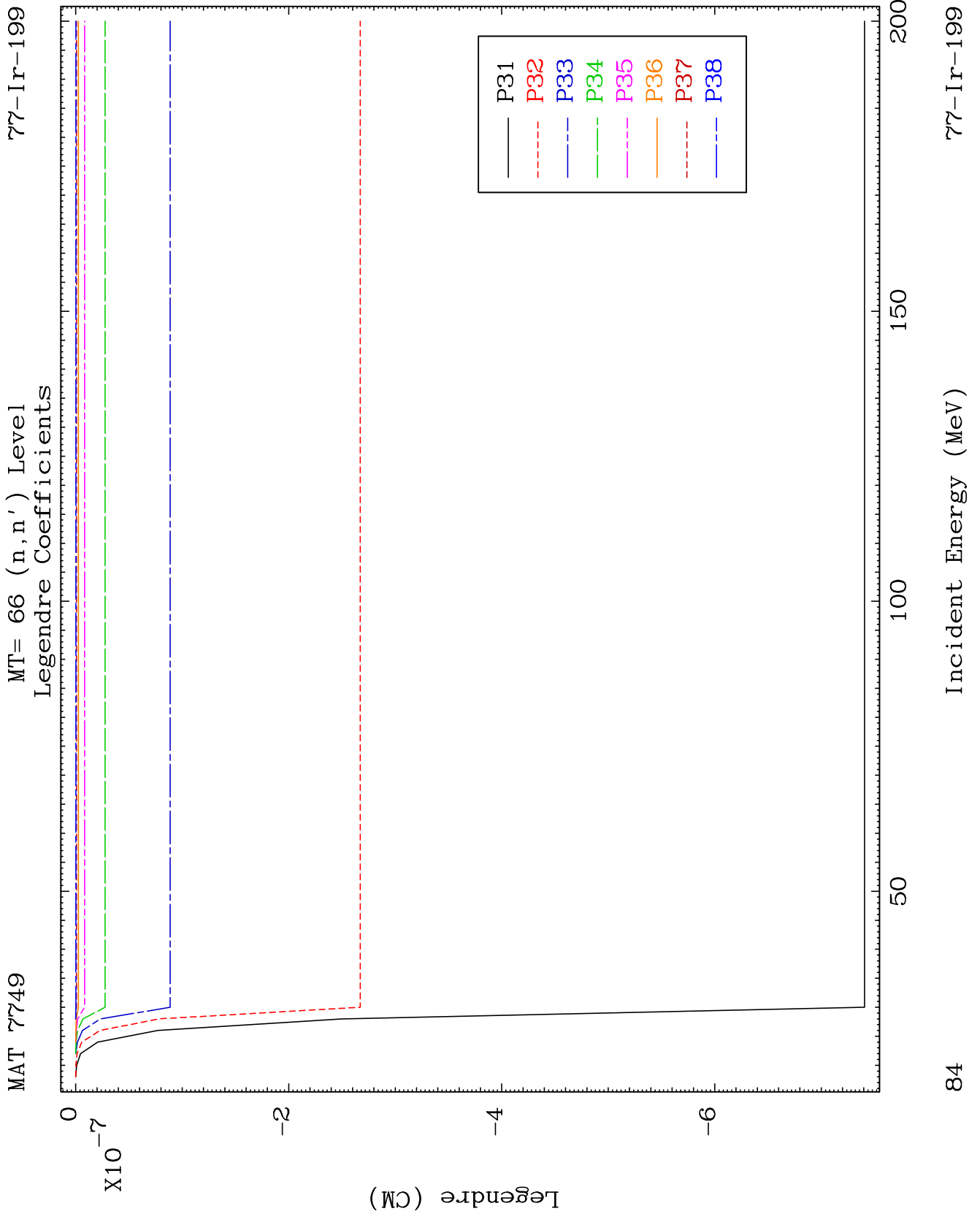


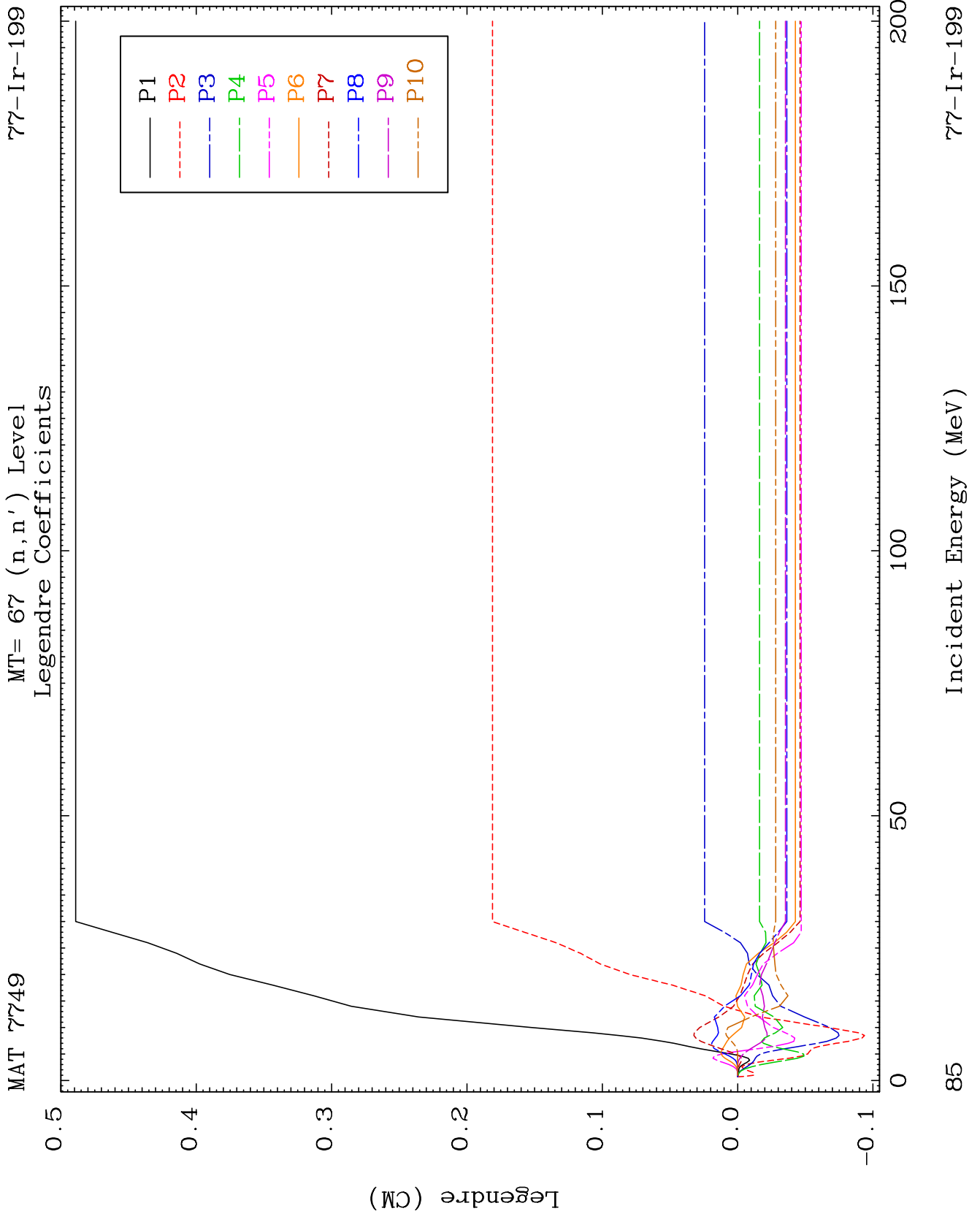
82

Incident Energy (MeV)

77-Ir-199



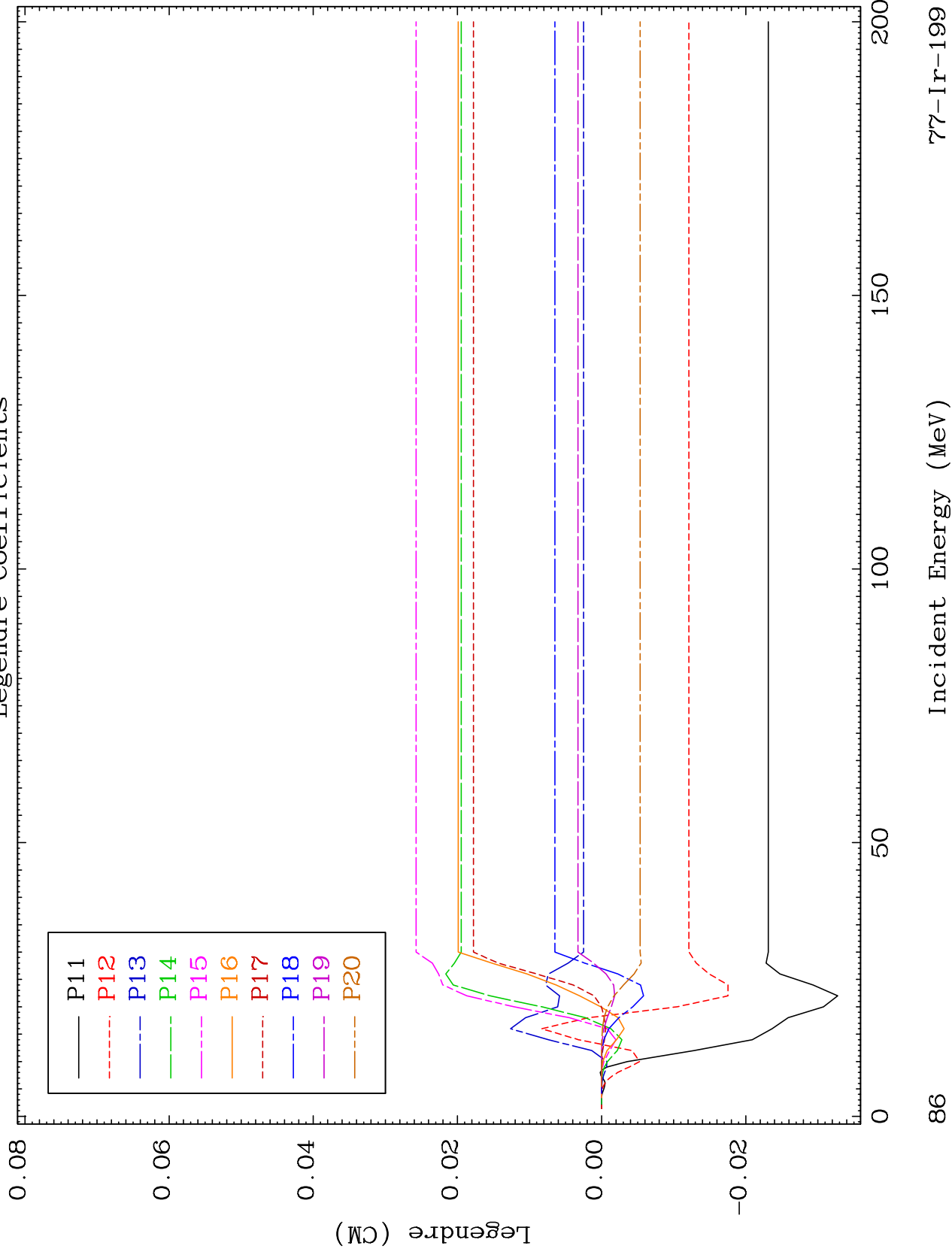




MAT 7749

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

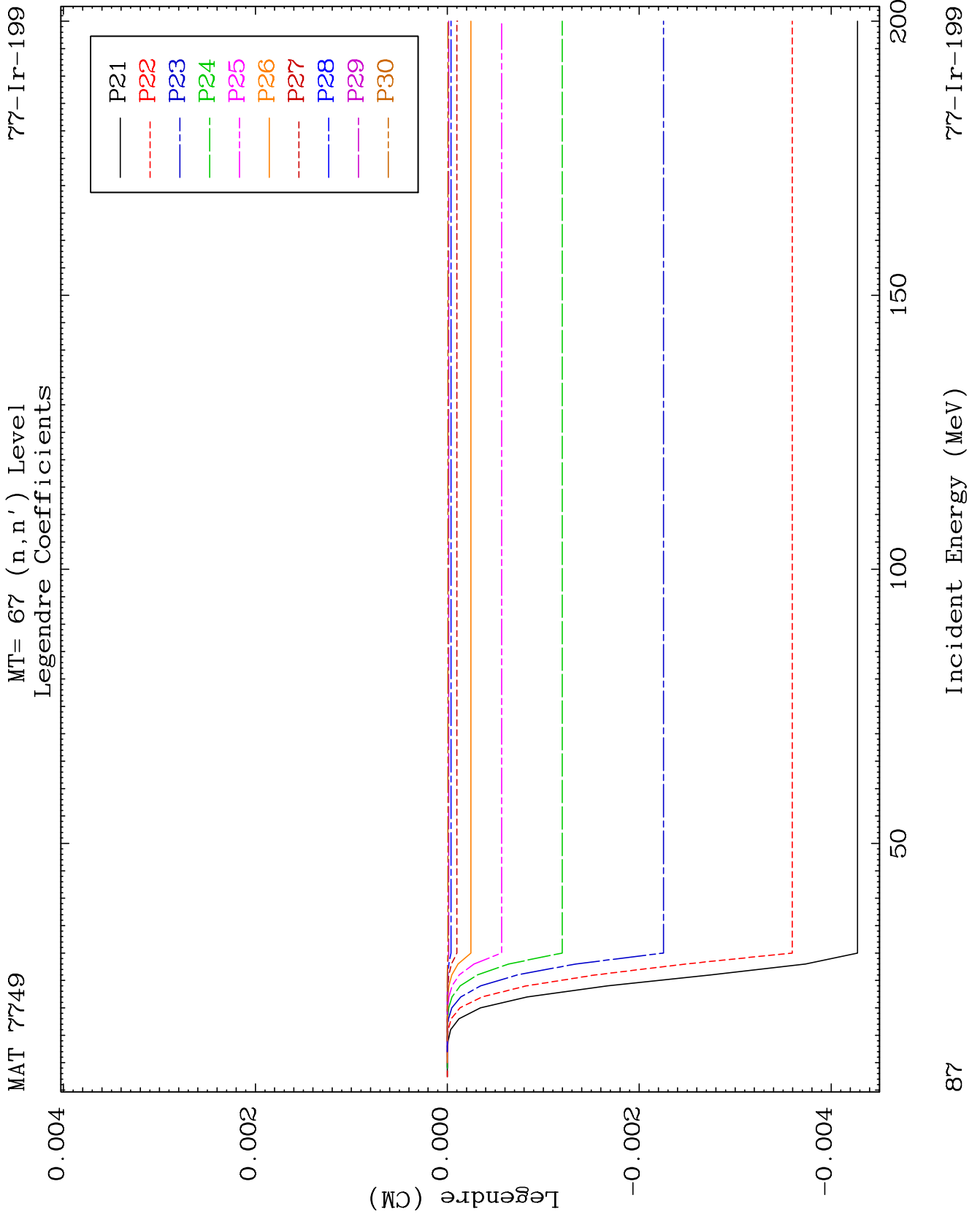
77-Ir-199

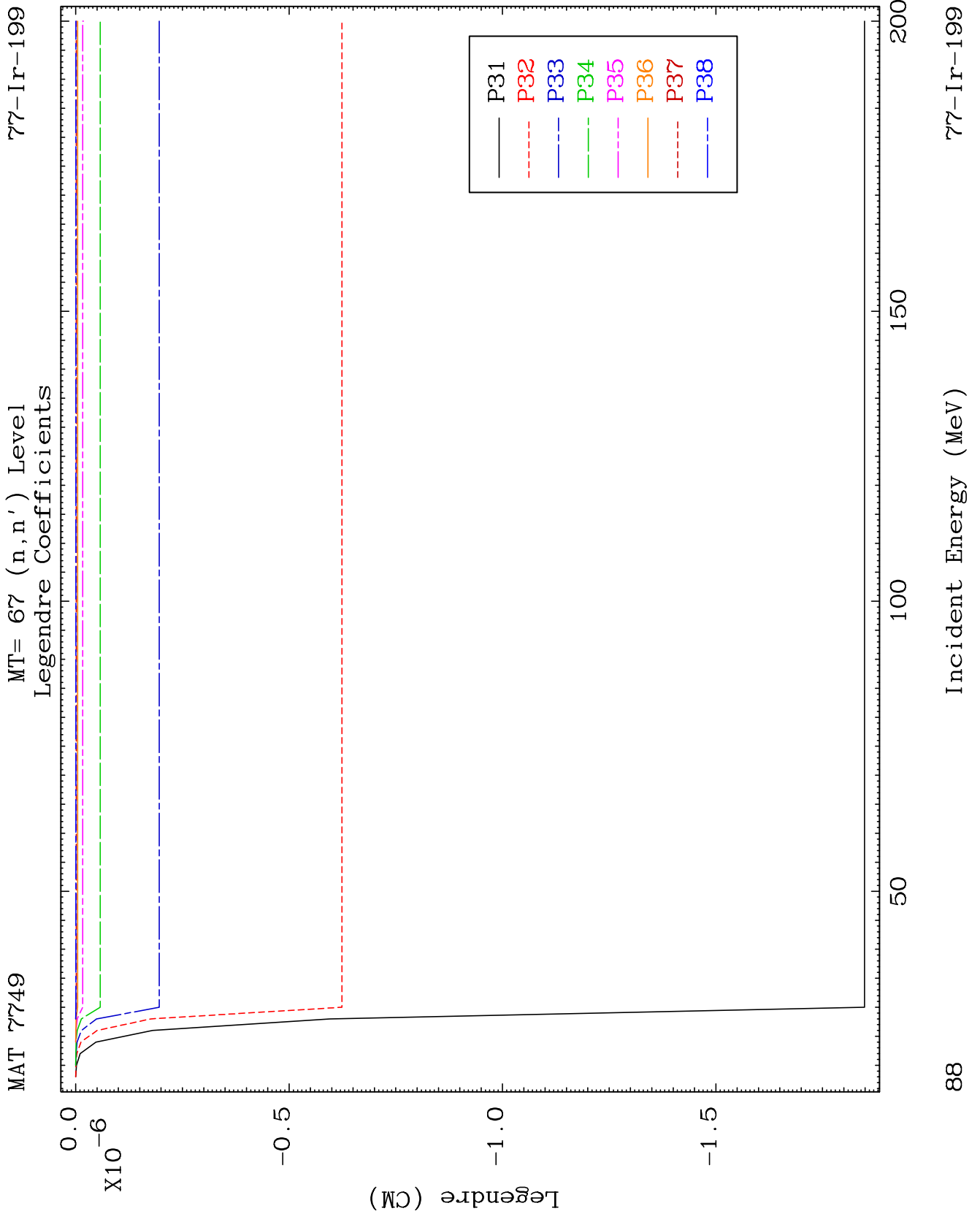


86

Incident Energy (MeV)

77-Ir-199

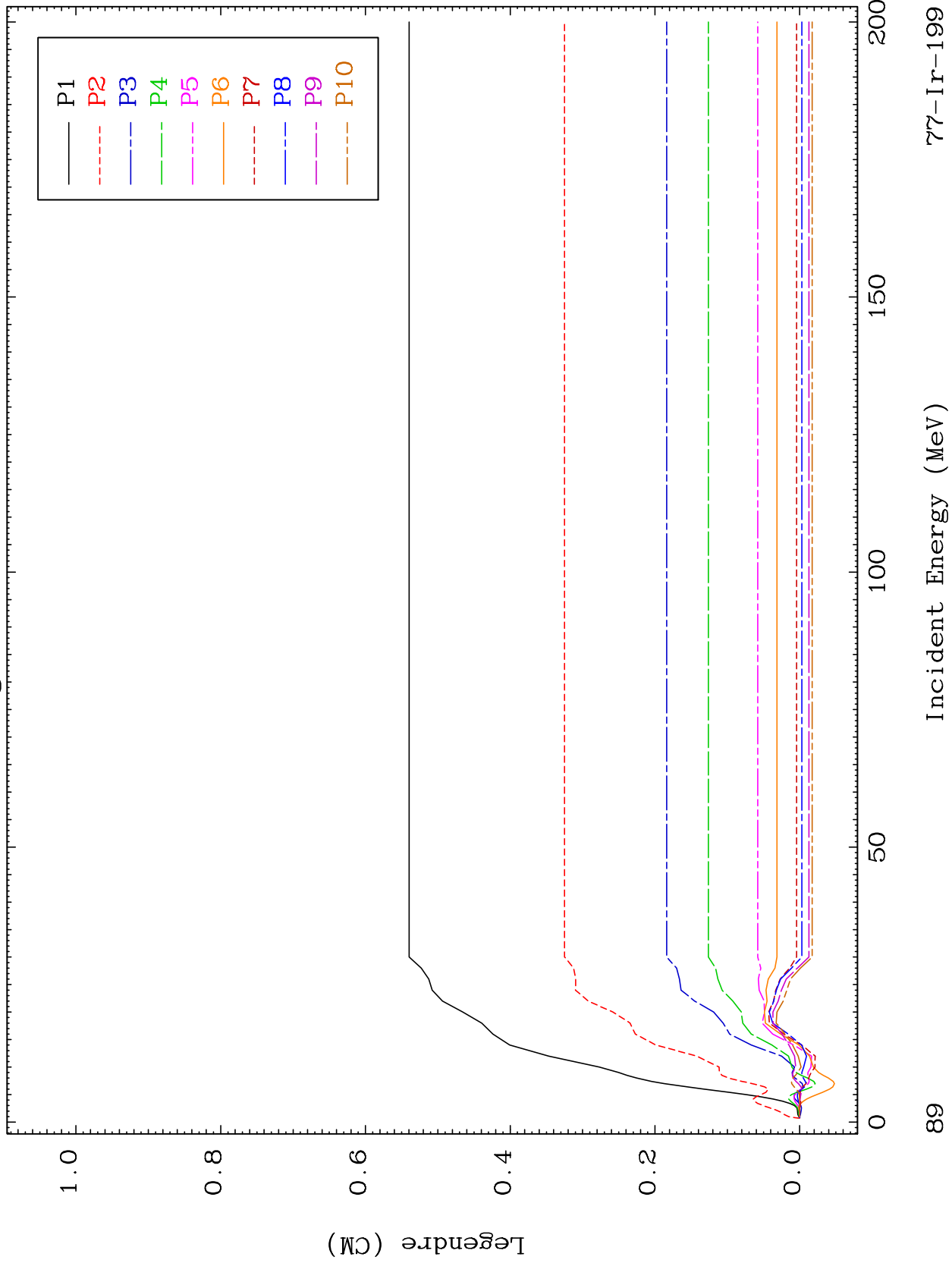




MAT 7749

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

77-Ir-199



89

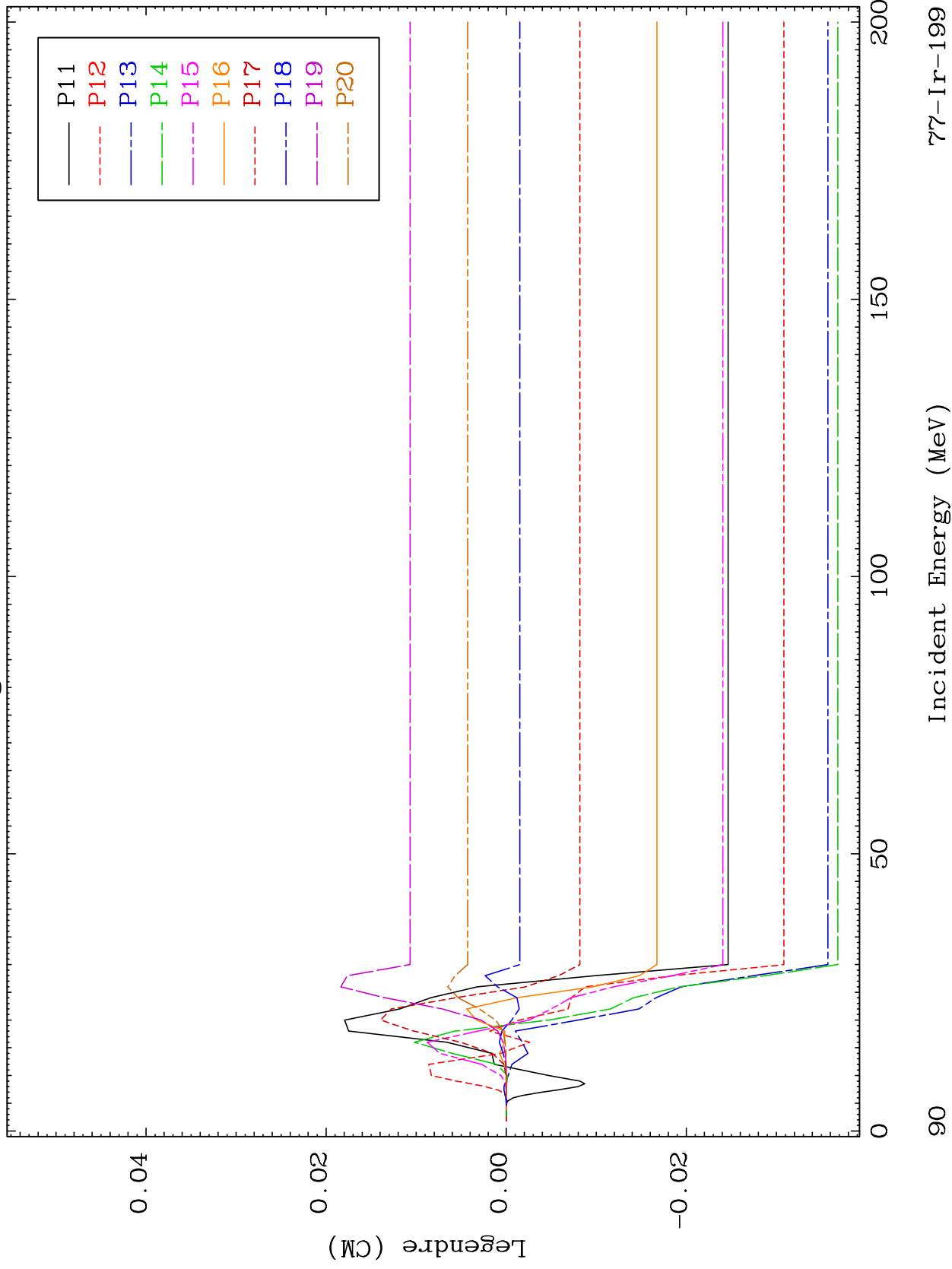
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

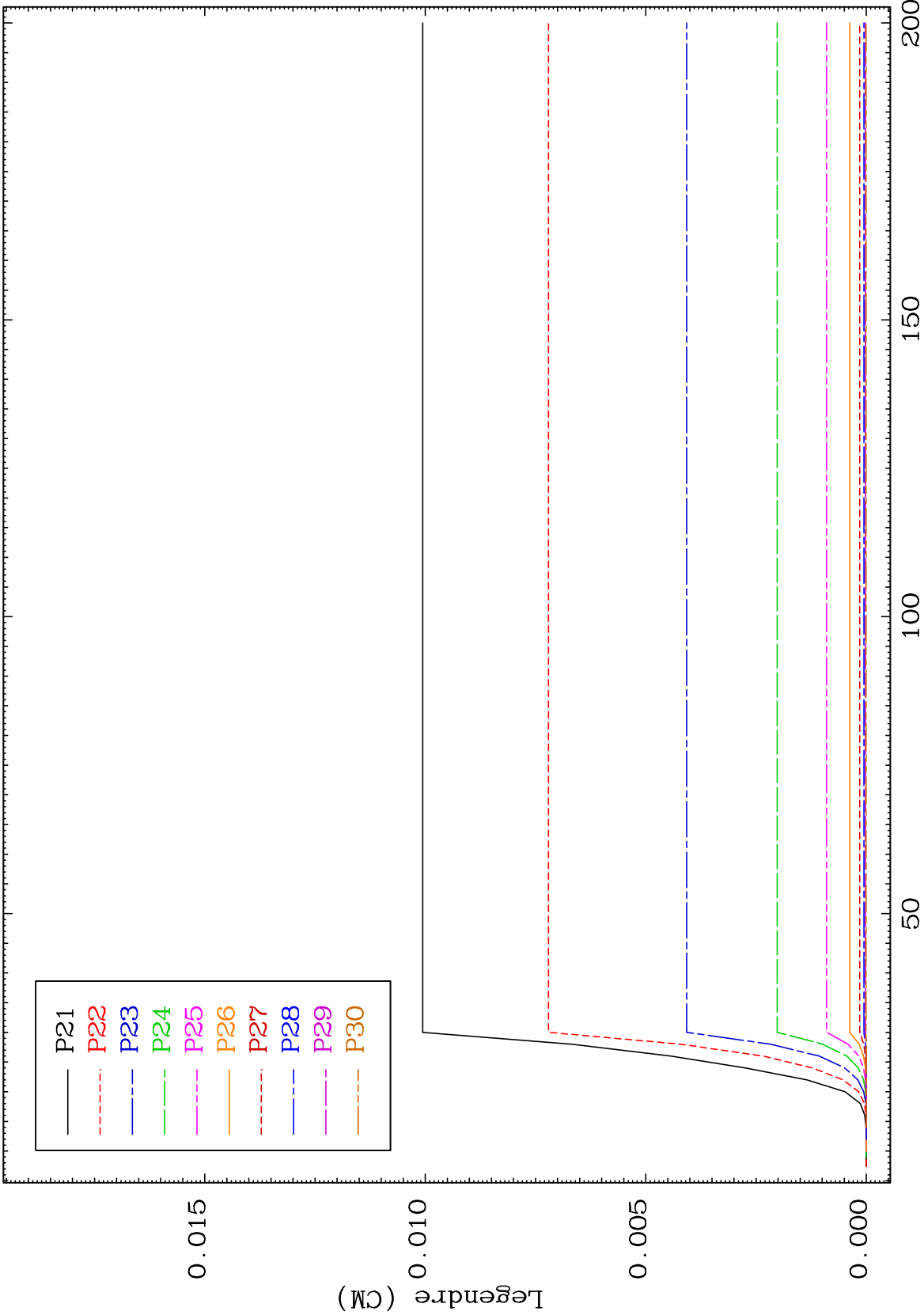
77-Ir-199

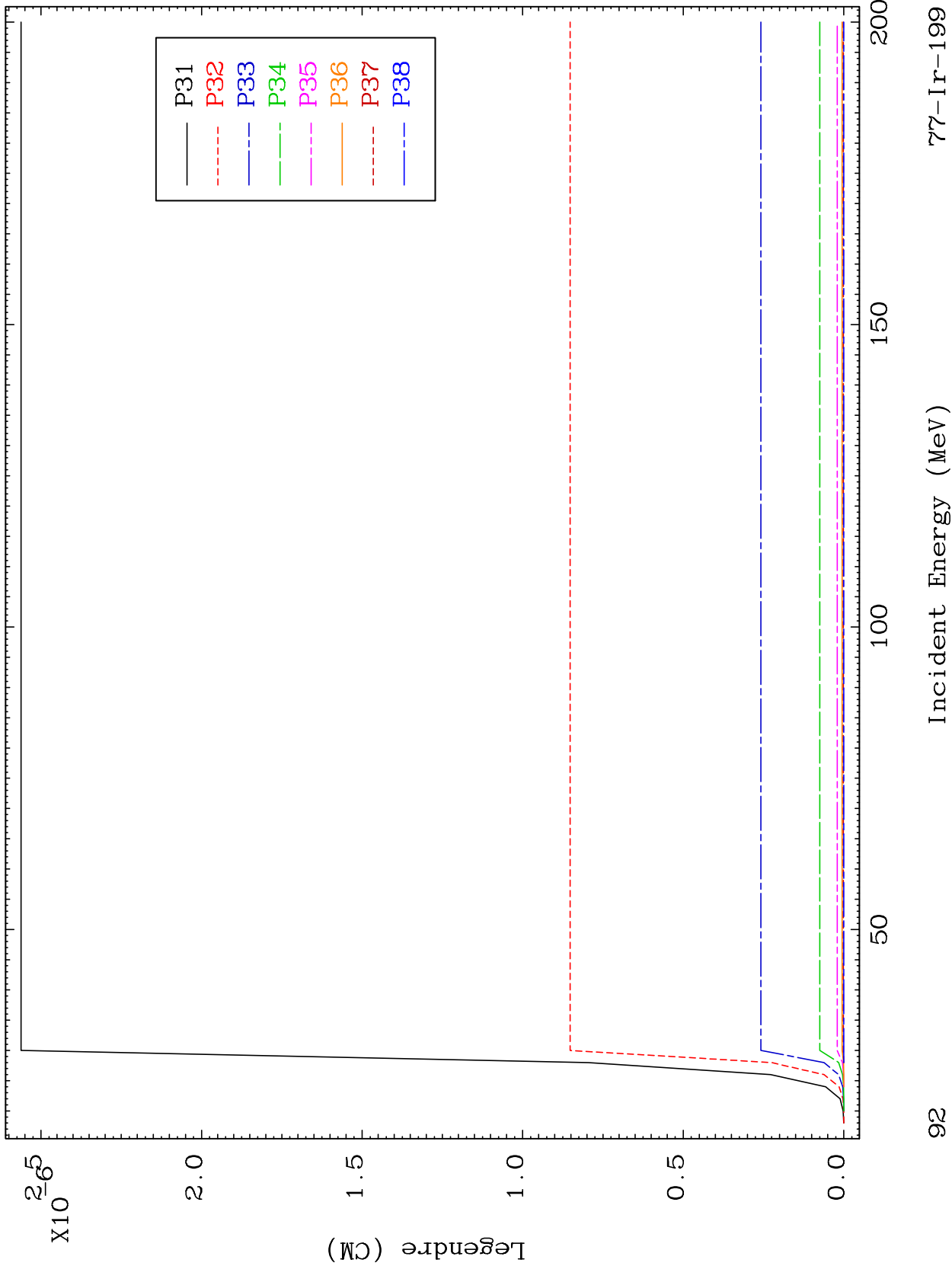


77-Ir-199

Incident Energy (MeV)

90

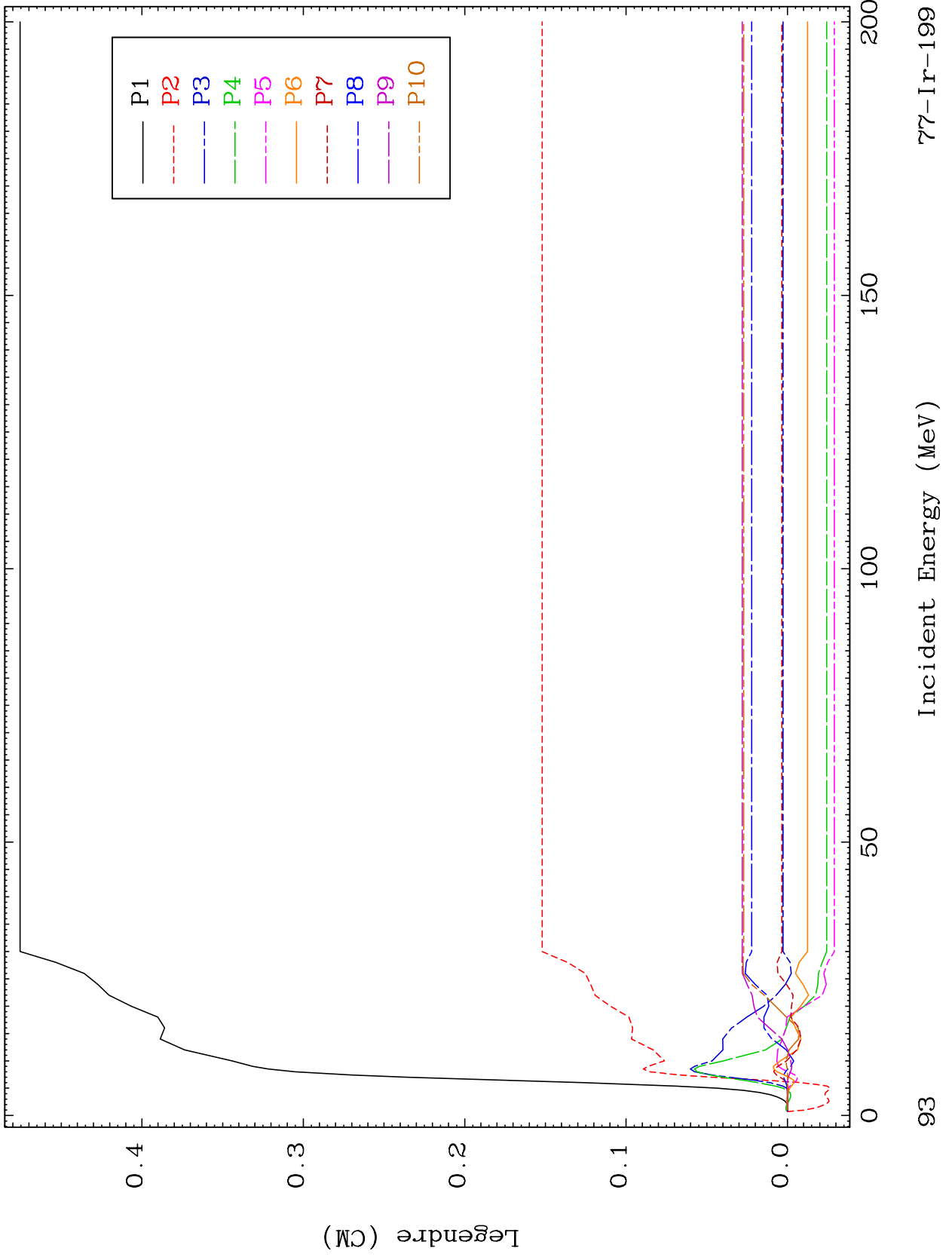


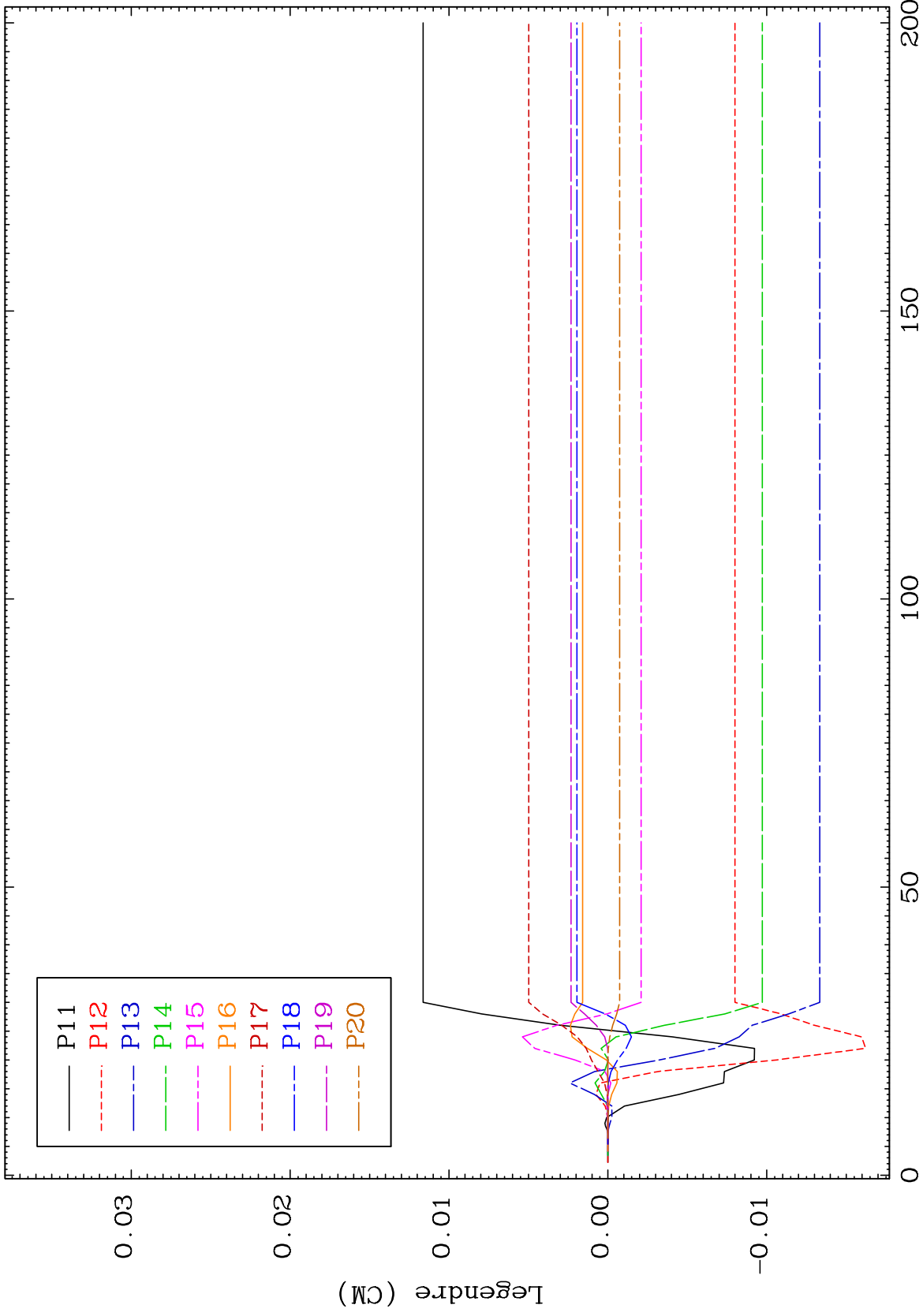


MAT 7749

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

77-Ir-199

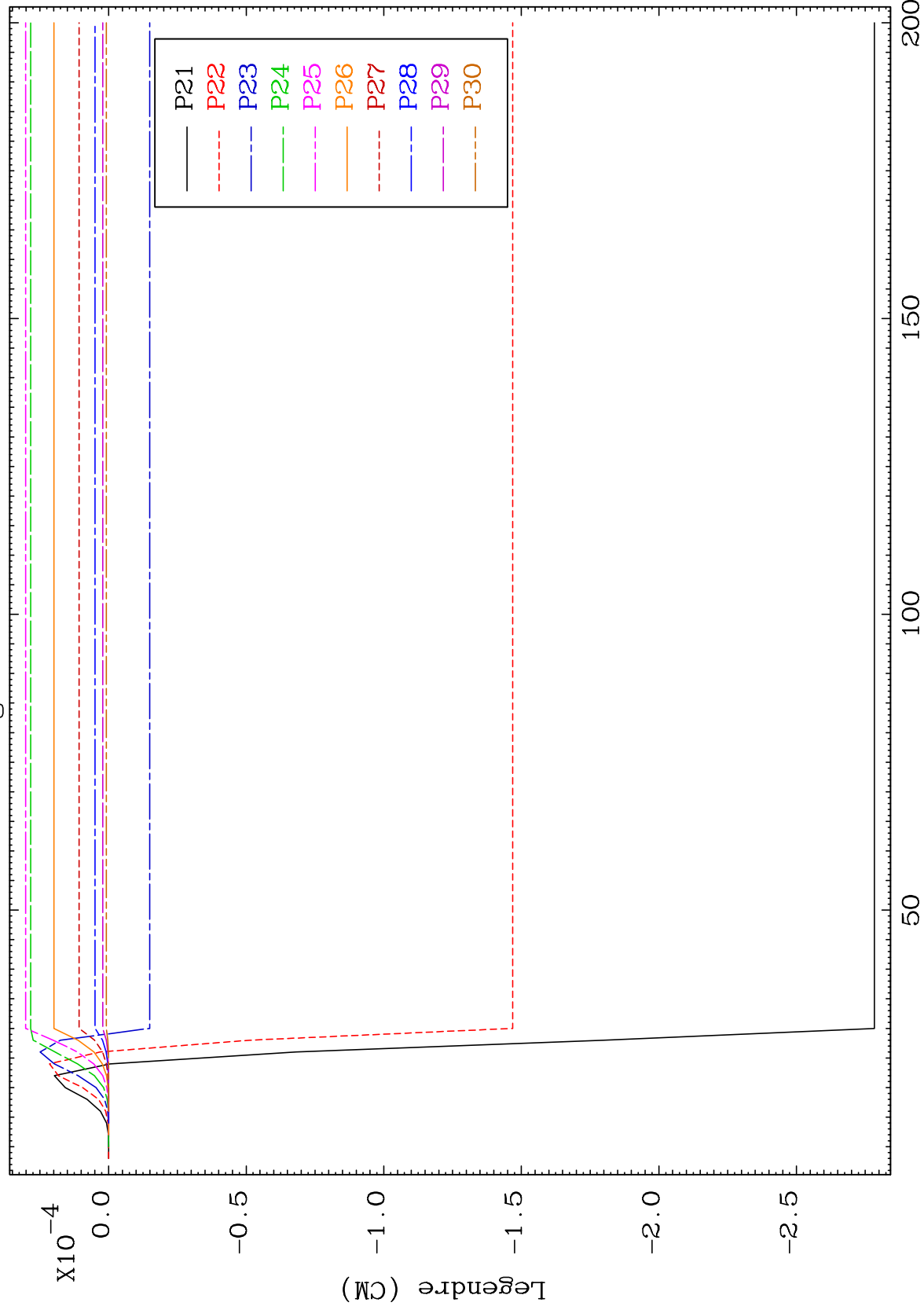




MAT 7749

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

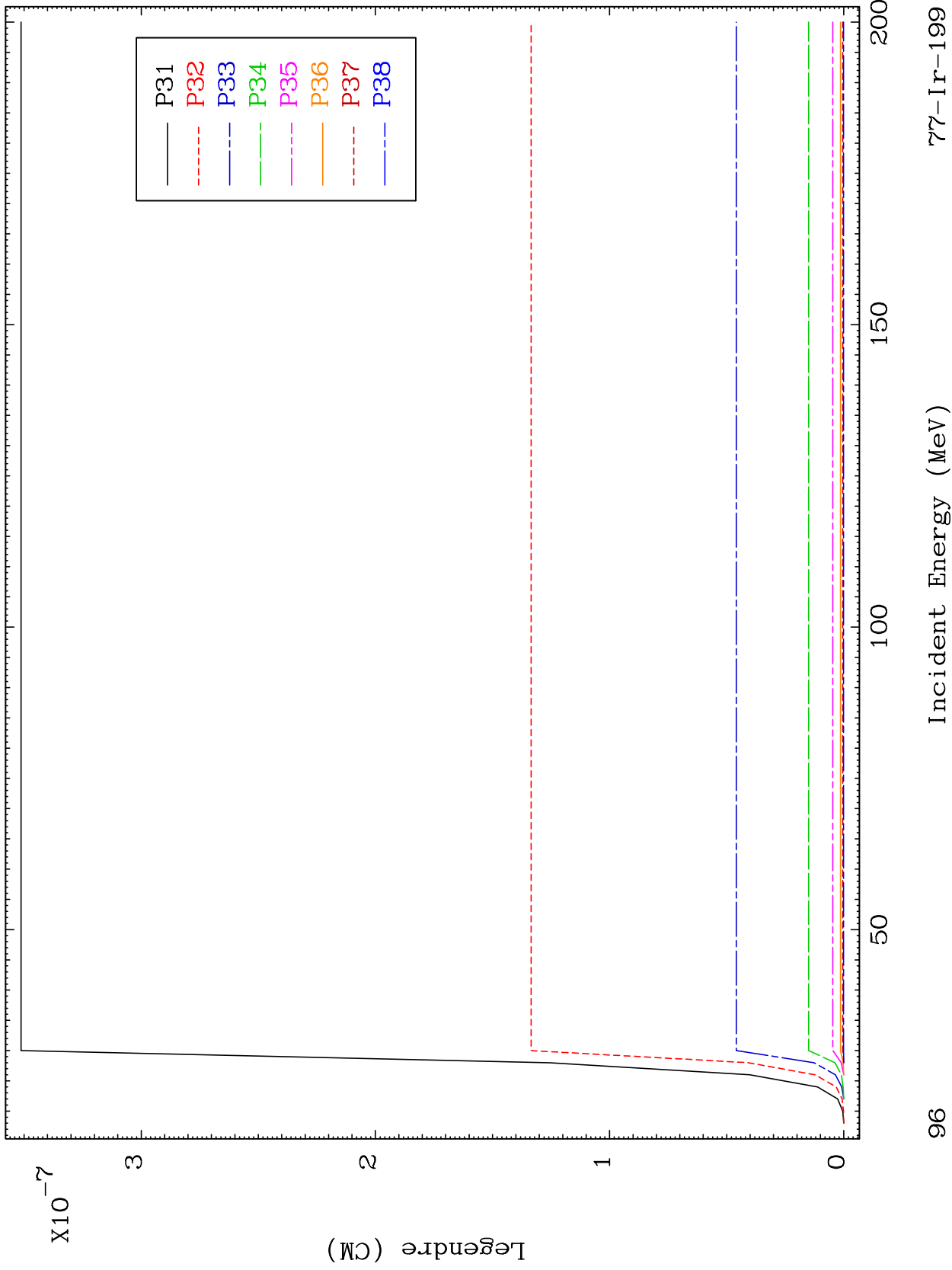
77-Ir-199



MAT 7749

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

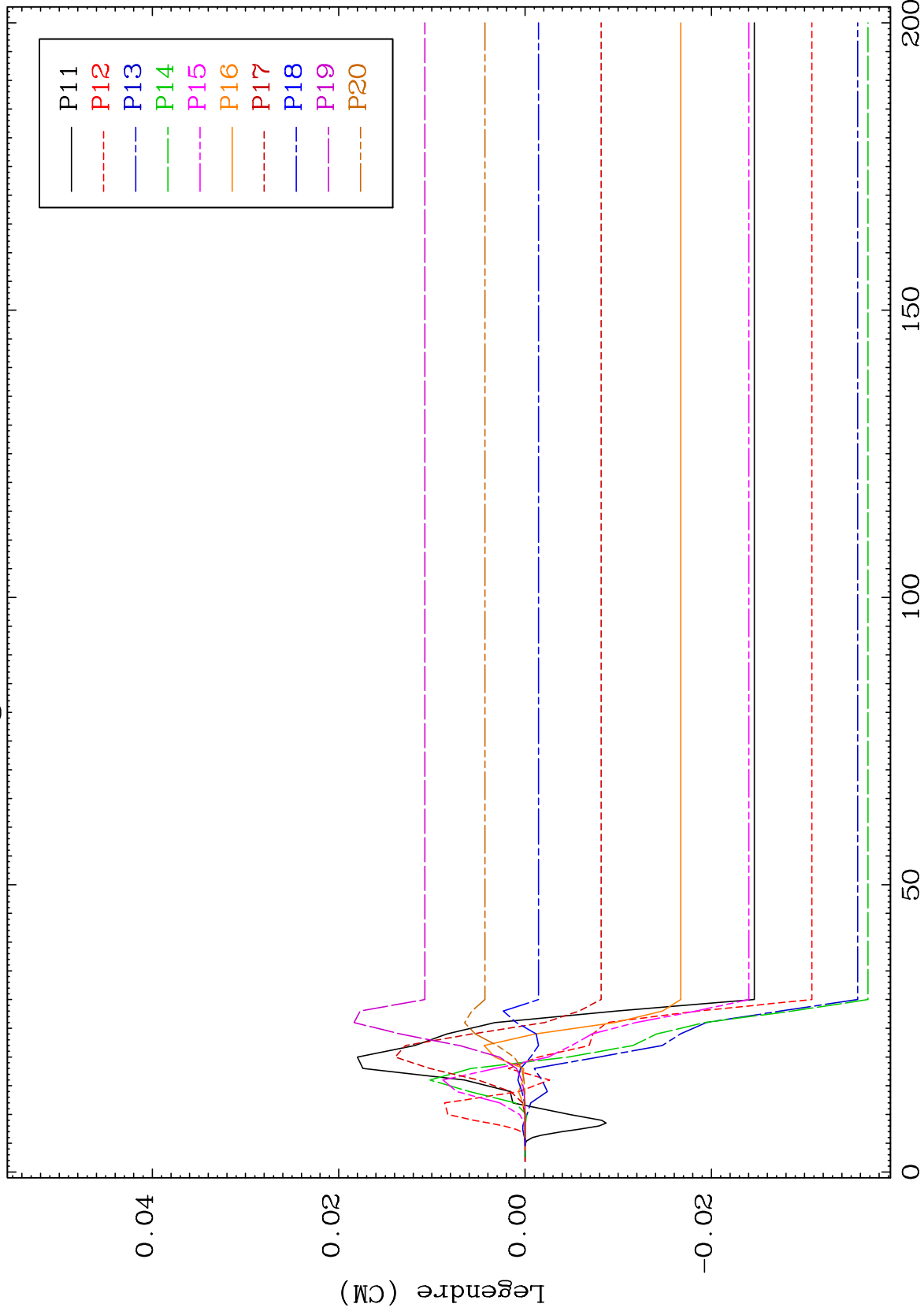
77-Ir-199



MAT 7749

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

77-Ir-199



98

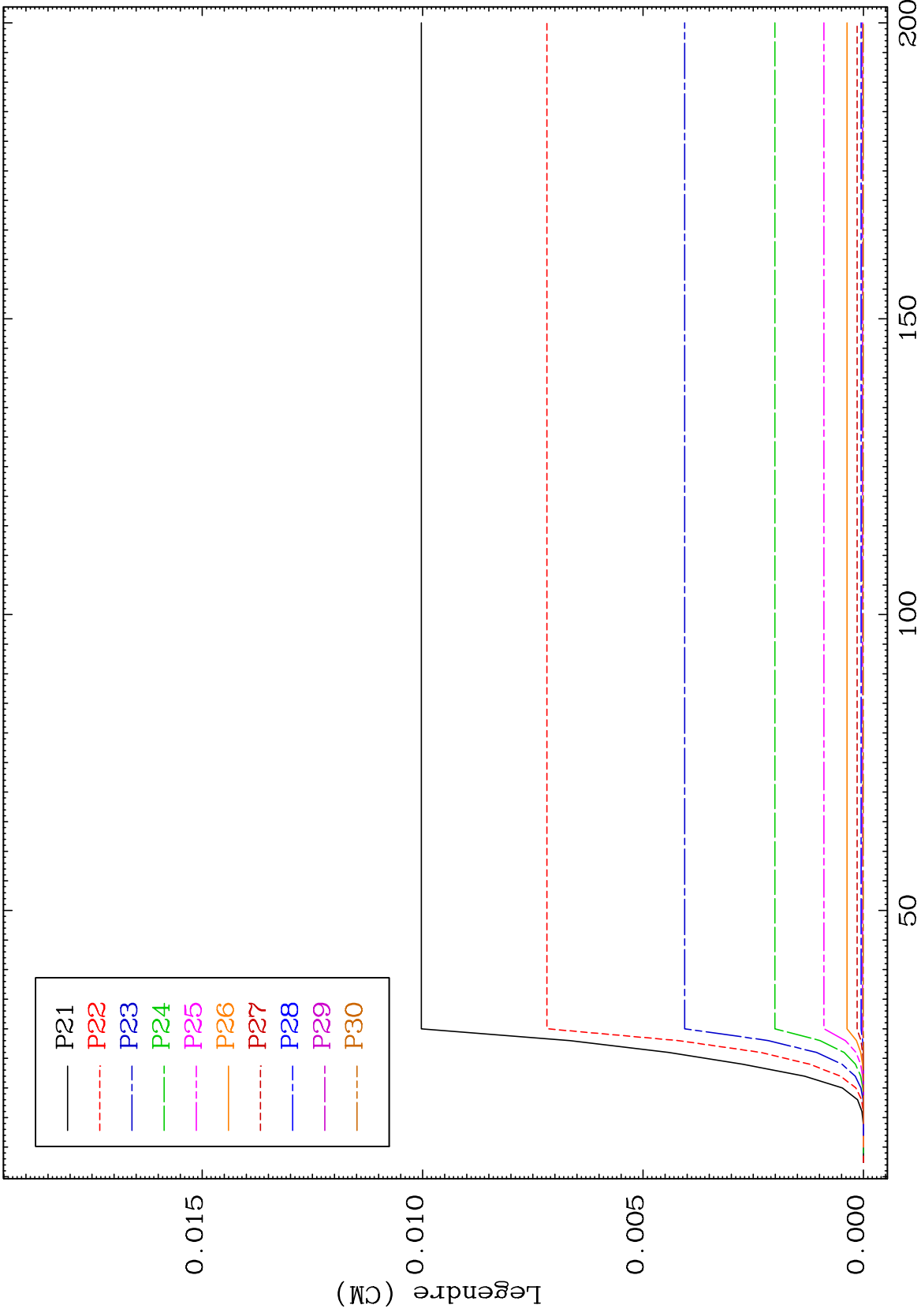
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



99

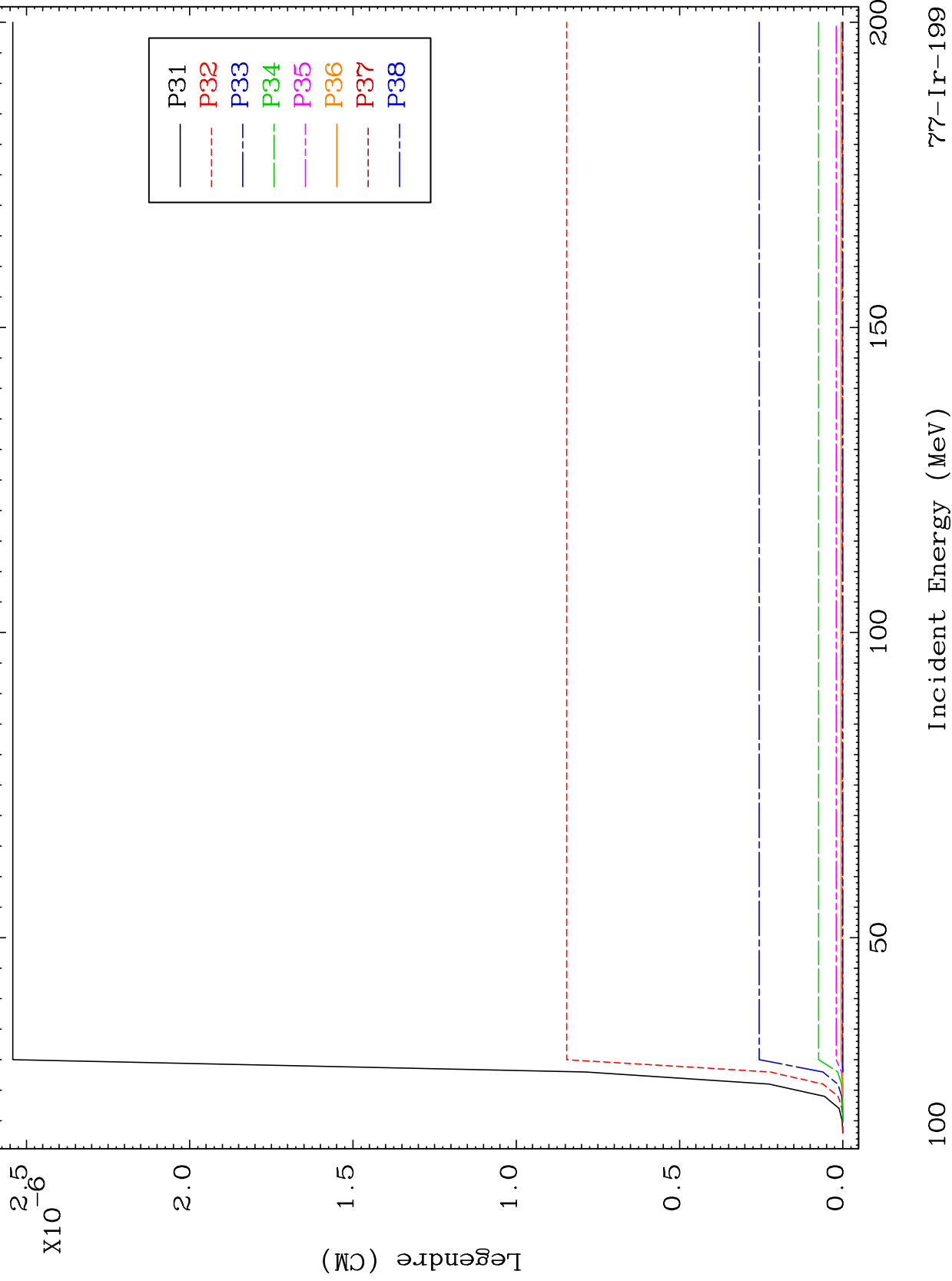
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

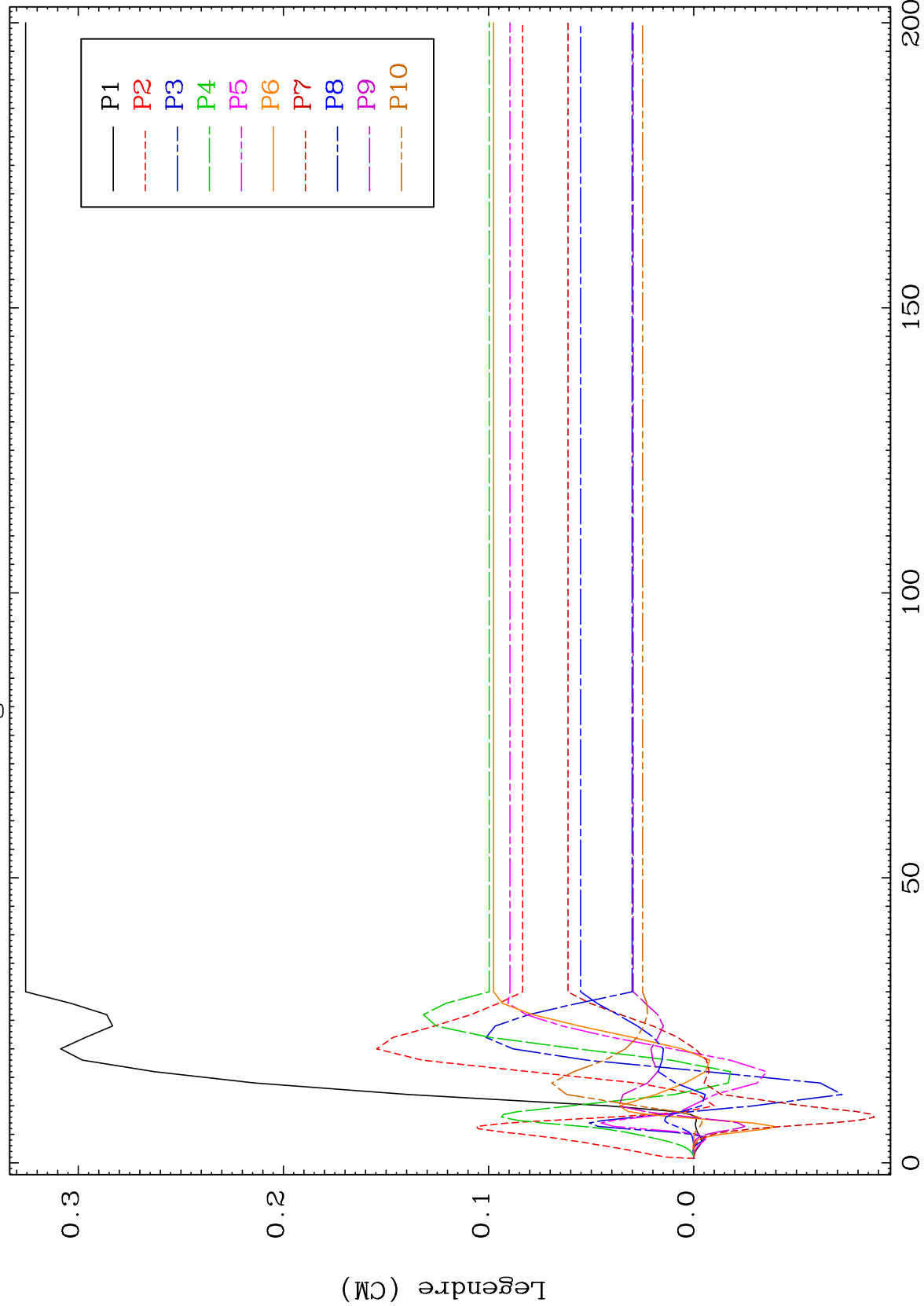
77-Ir-199



MAT 7749

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

77-Ir-199



77-Ir-199

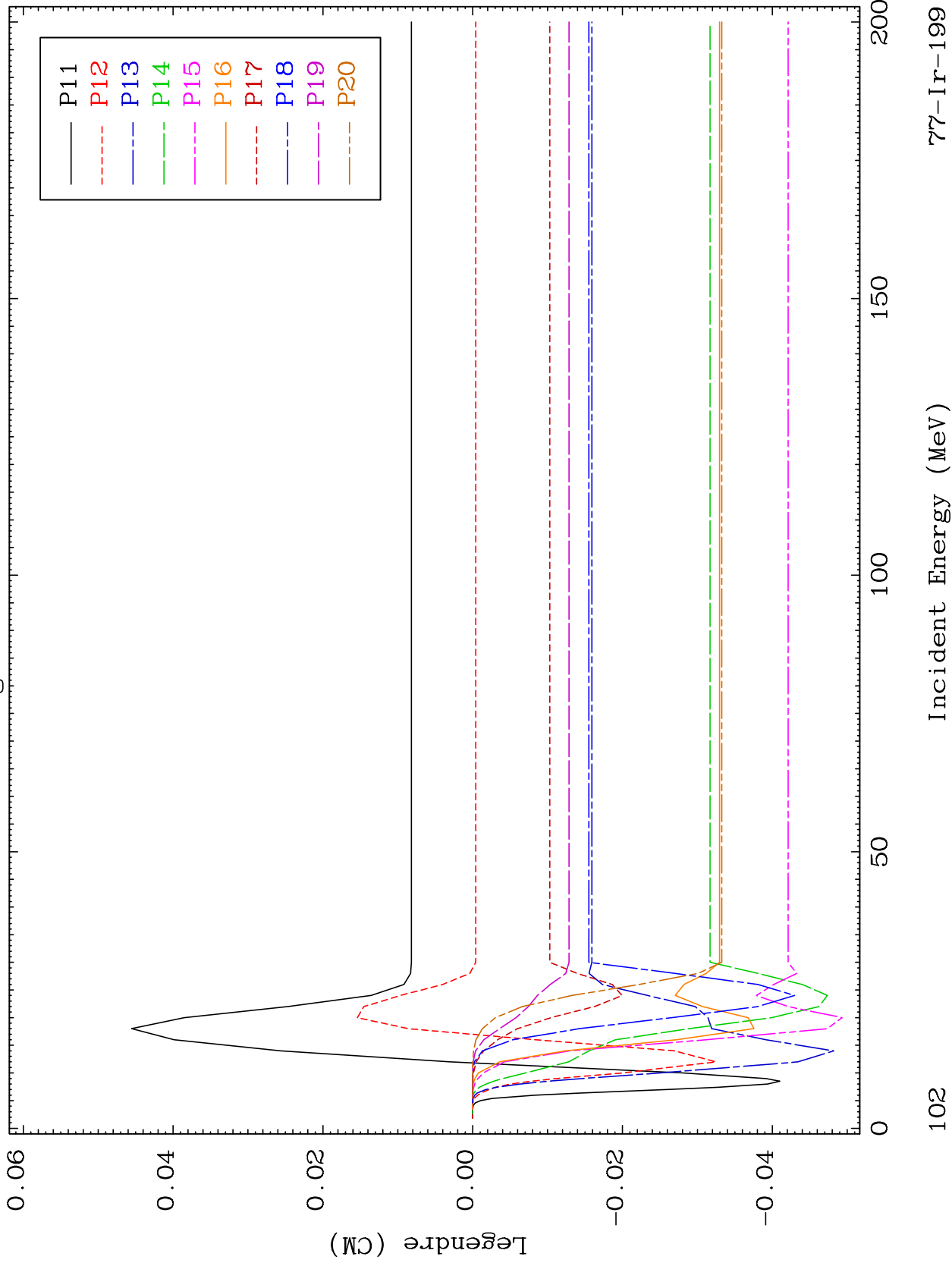
Incident Energy (MeV)

101

MAT 7749

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

77-Ir-199



77-Ir-199

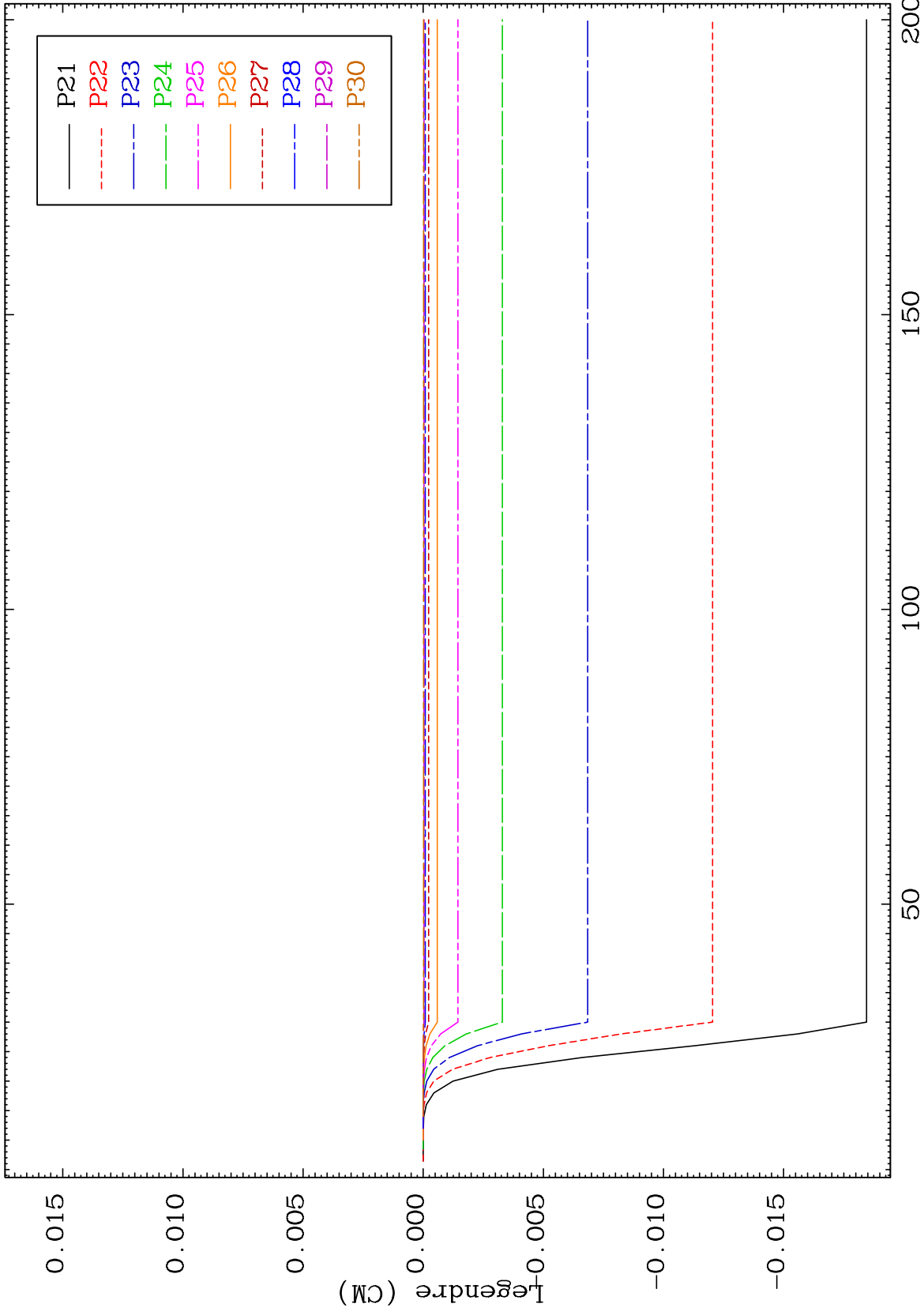
Incident Energy (MeV)

102

MAT 7749

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

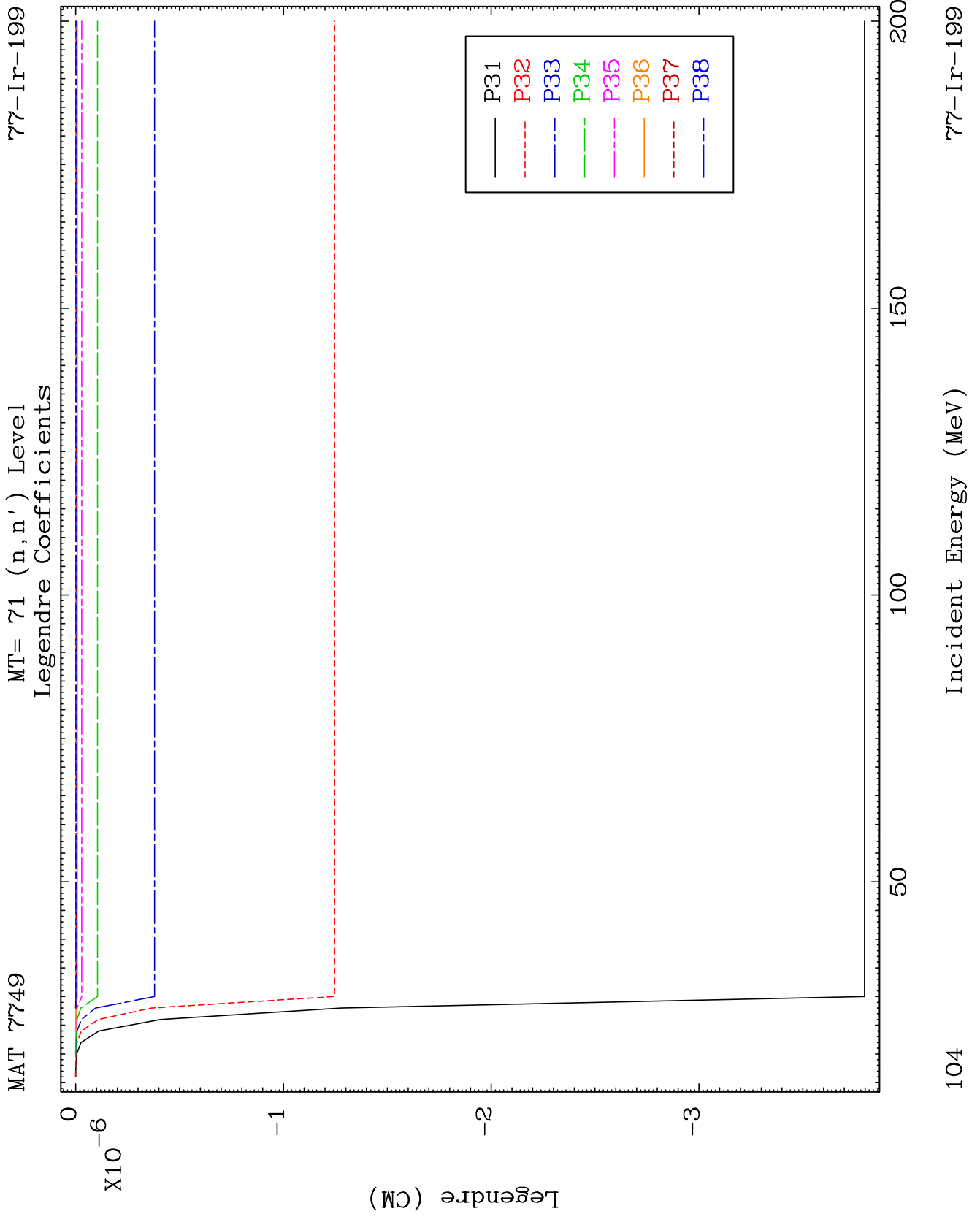
77-Ir-199



103

Incident Energy (MeV)

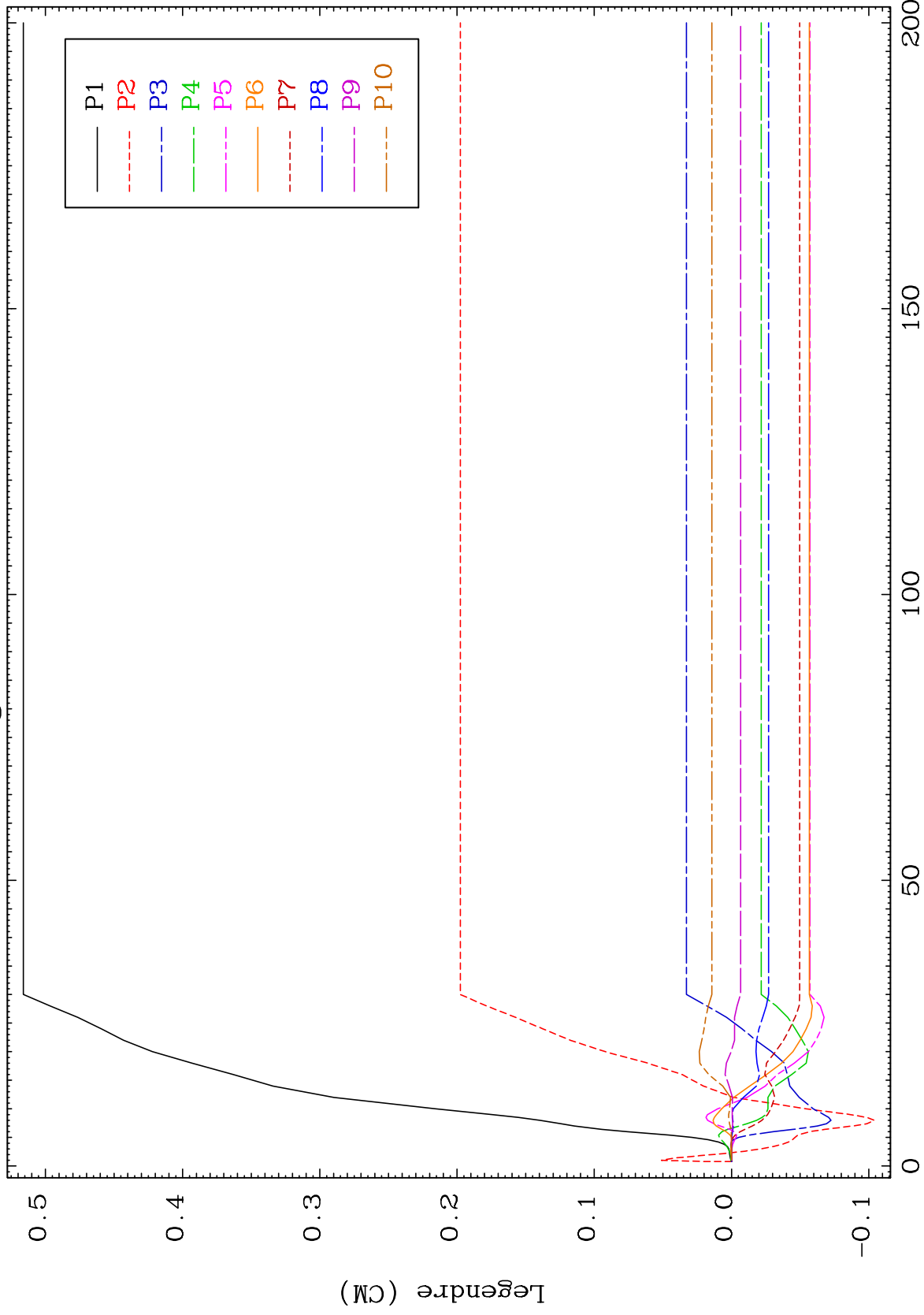
77-Ir-199



MAT 7749

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

77-Ir-199



105

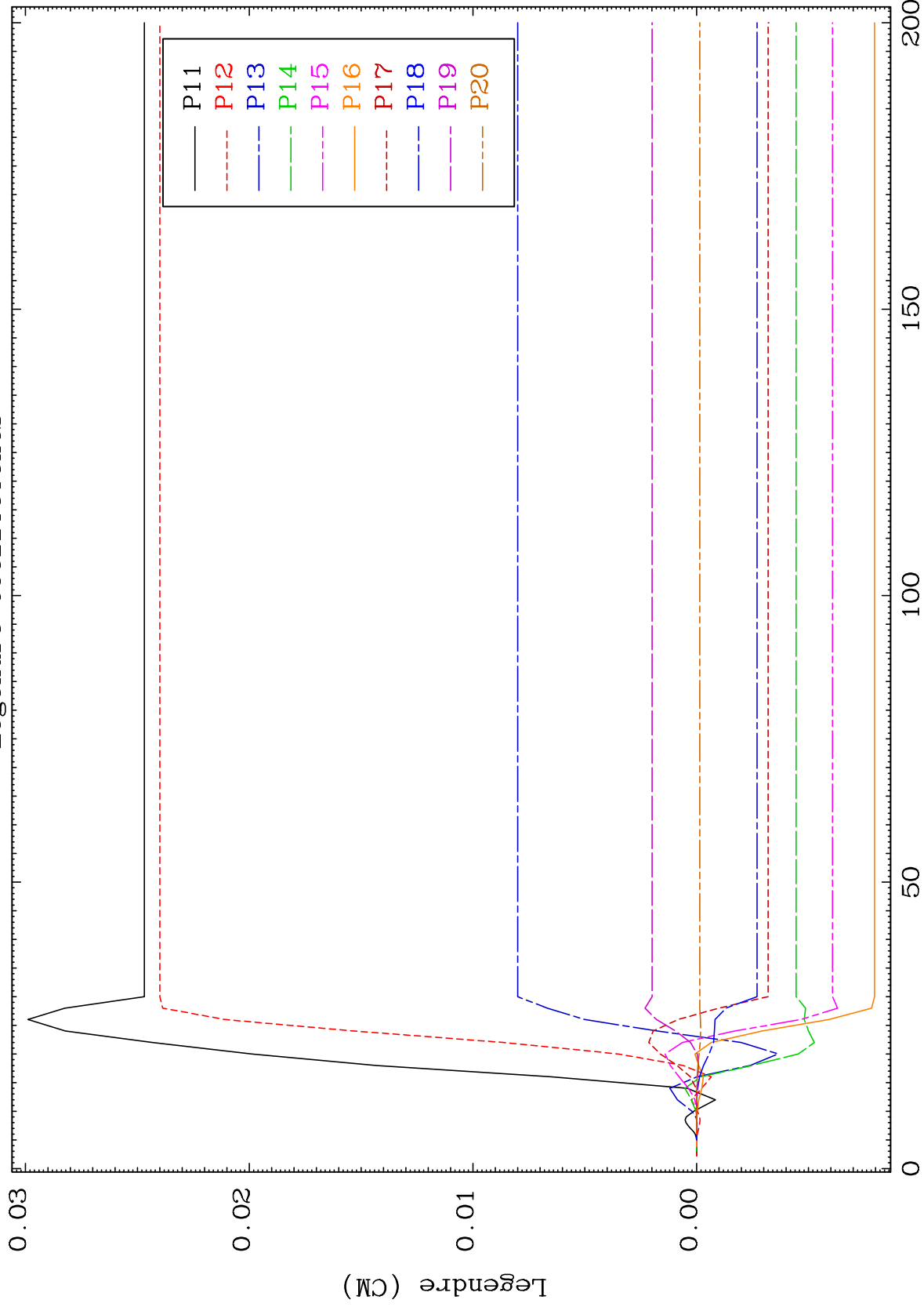
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



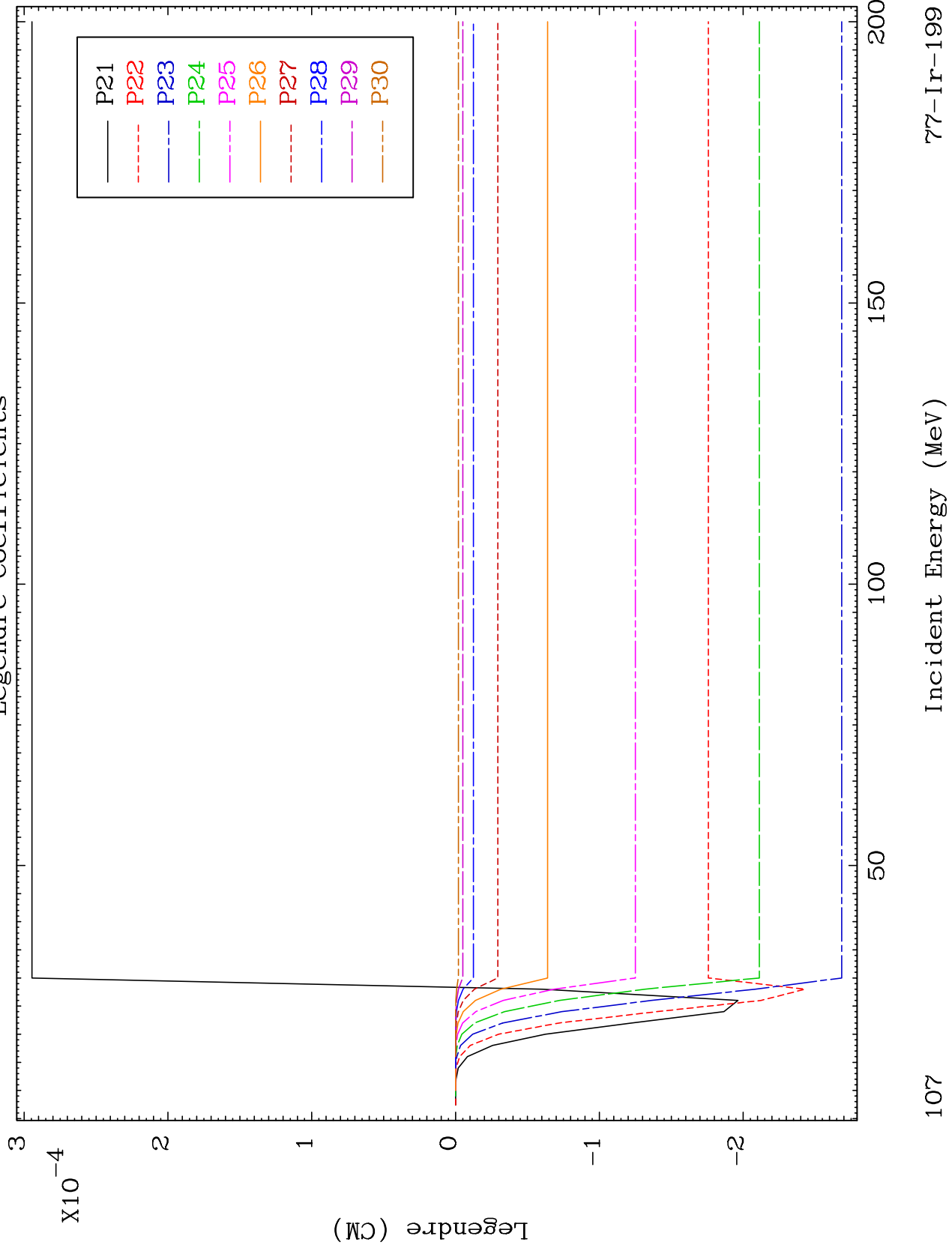
106

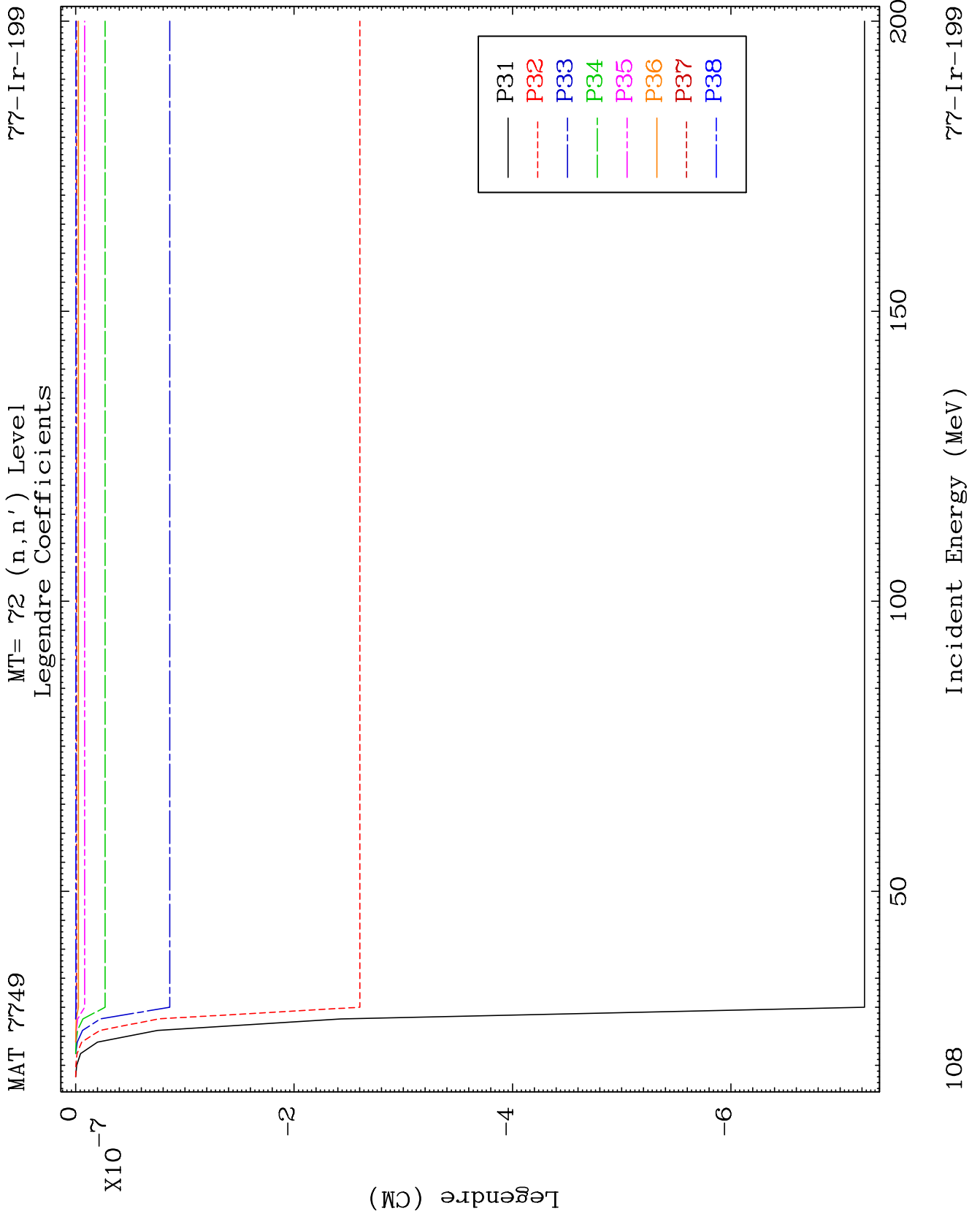
77-Ir-199

MAT 7749

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

77-Ir-199

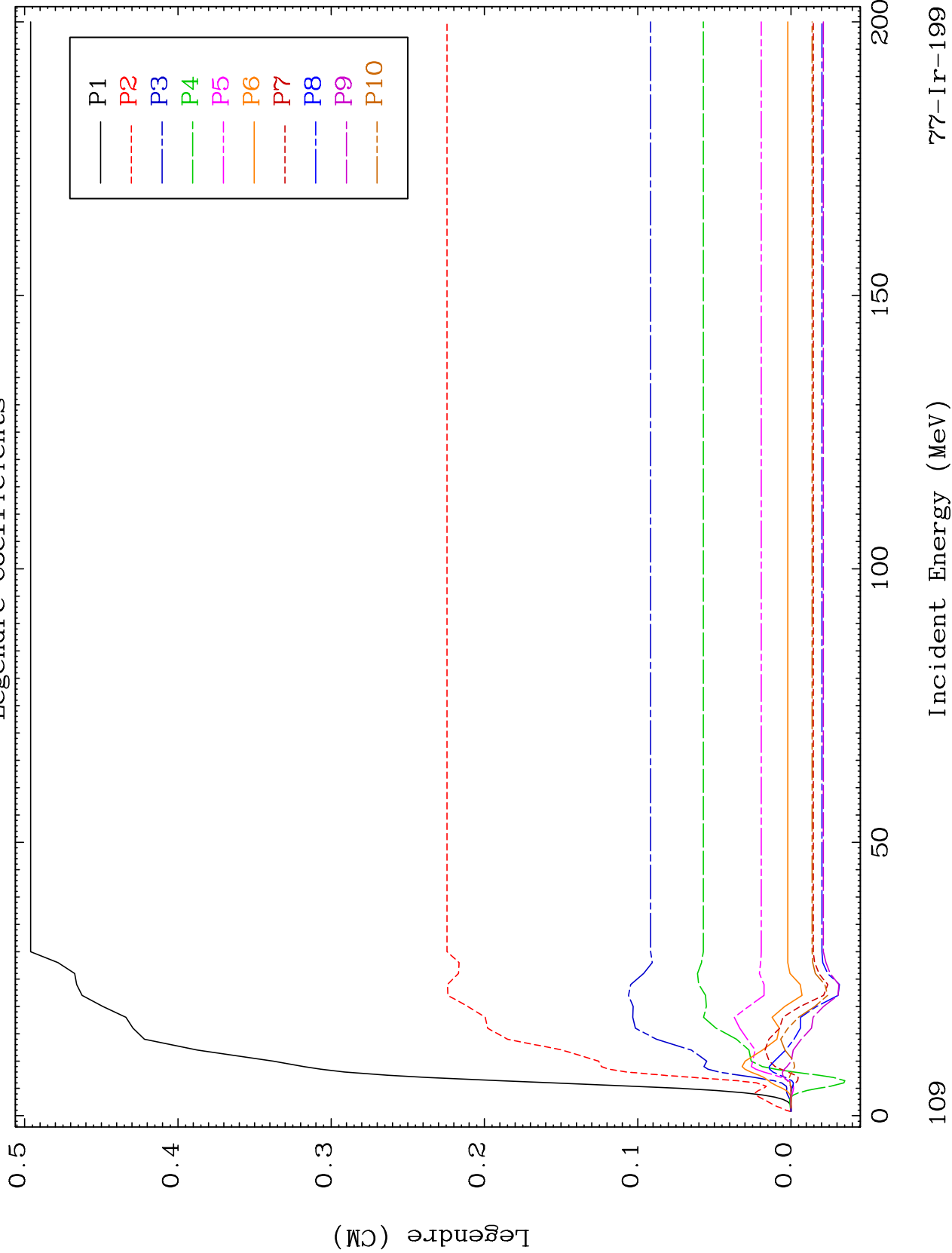




MAT 7749

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

77-Ir-199



77-Ir-199

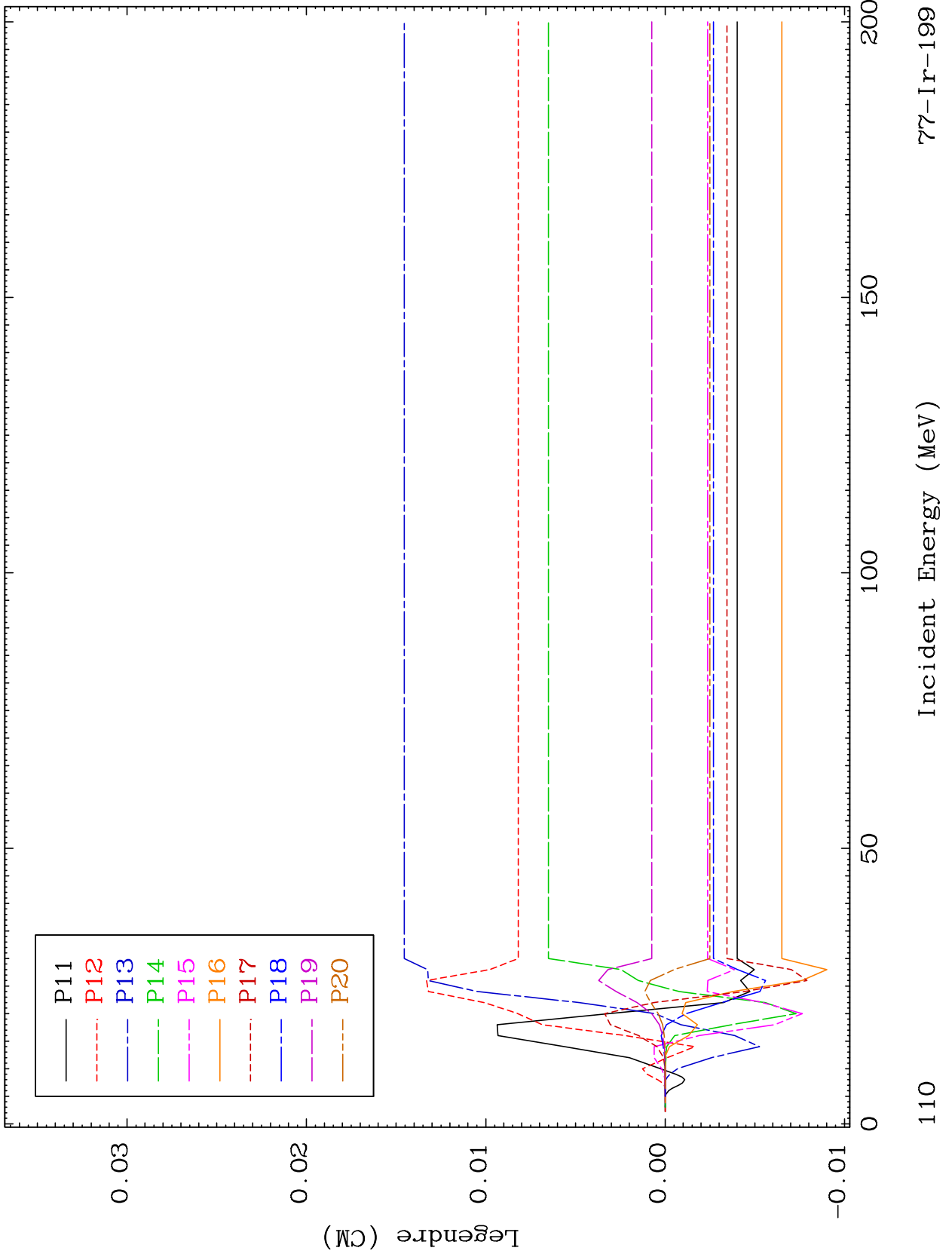
Incident Energy (MeV)

109

MAT 7749

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

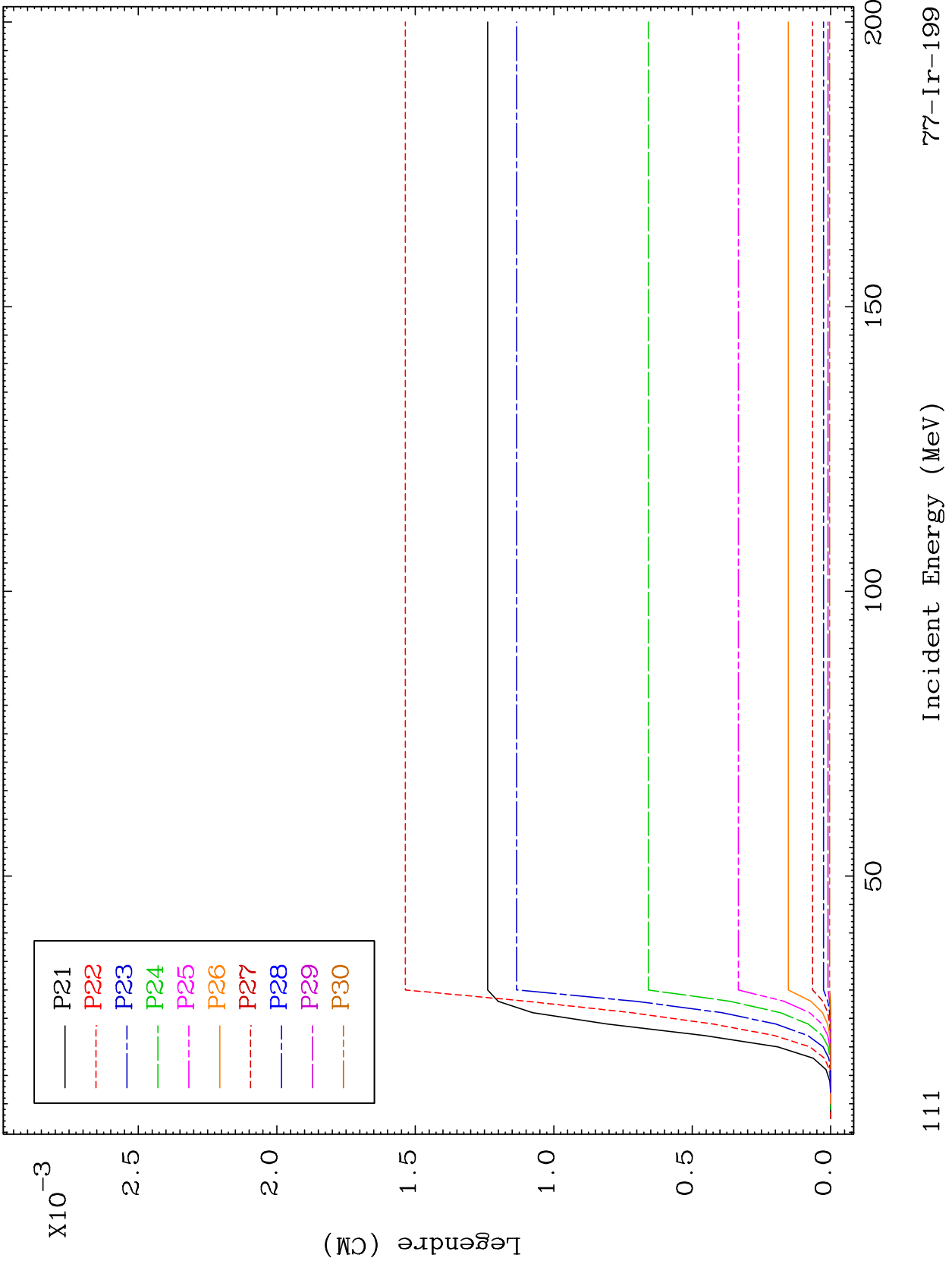
77-Ir-199



110

Incident Energy (MeV)

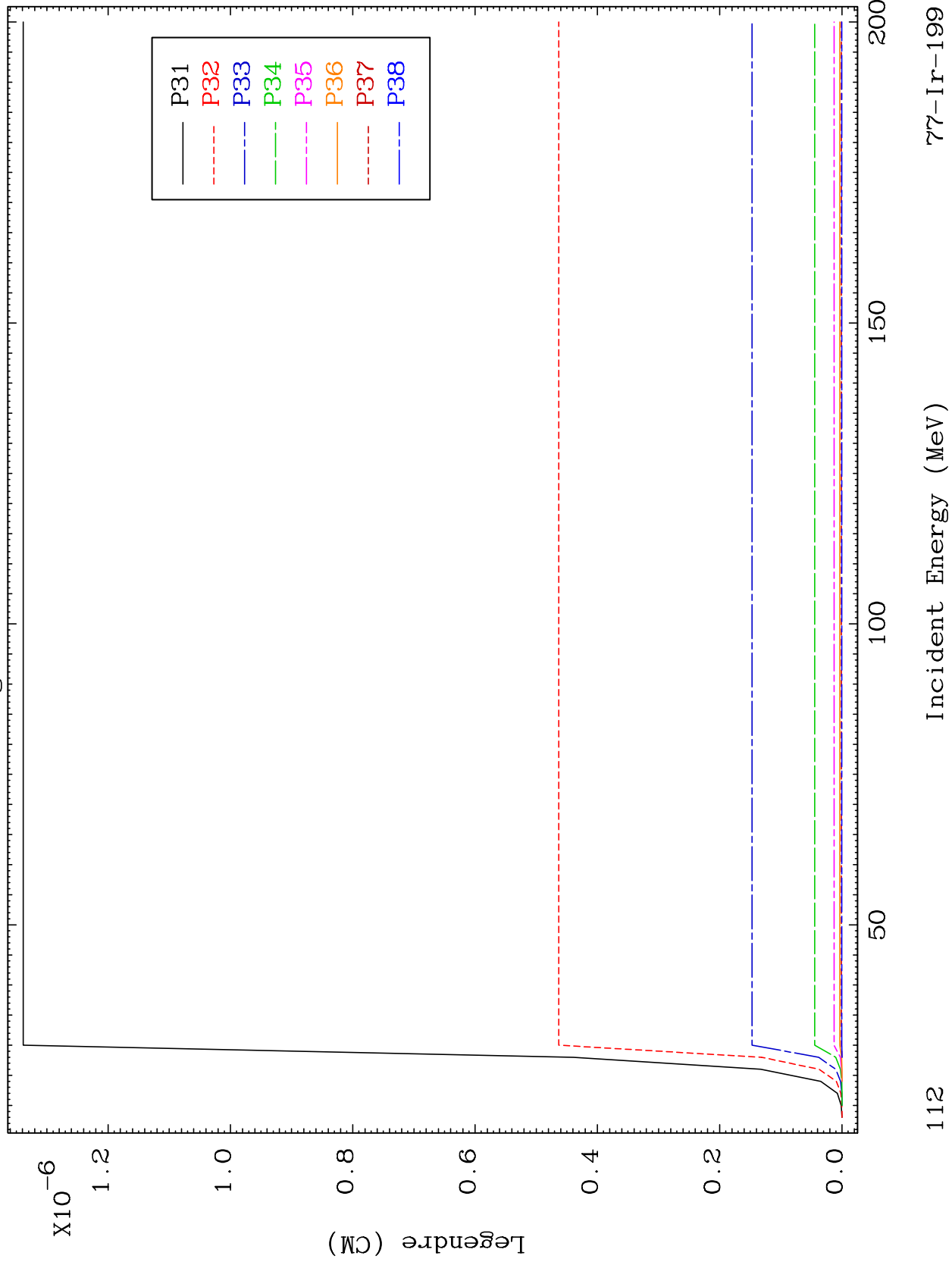
77-Ir-199



MAT 7749

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

77-Ir-199

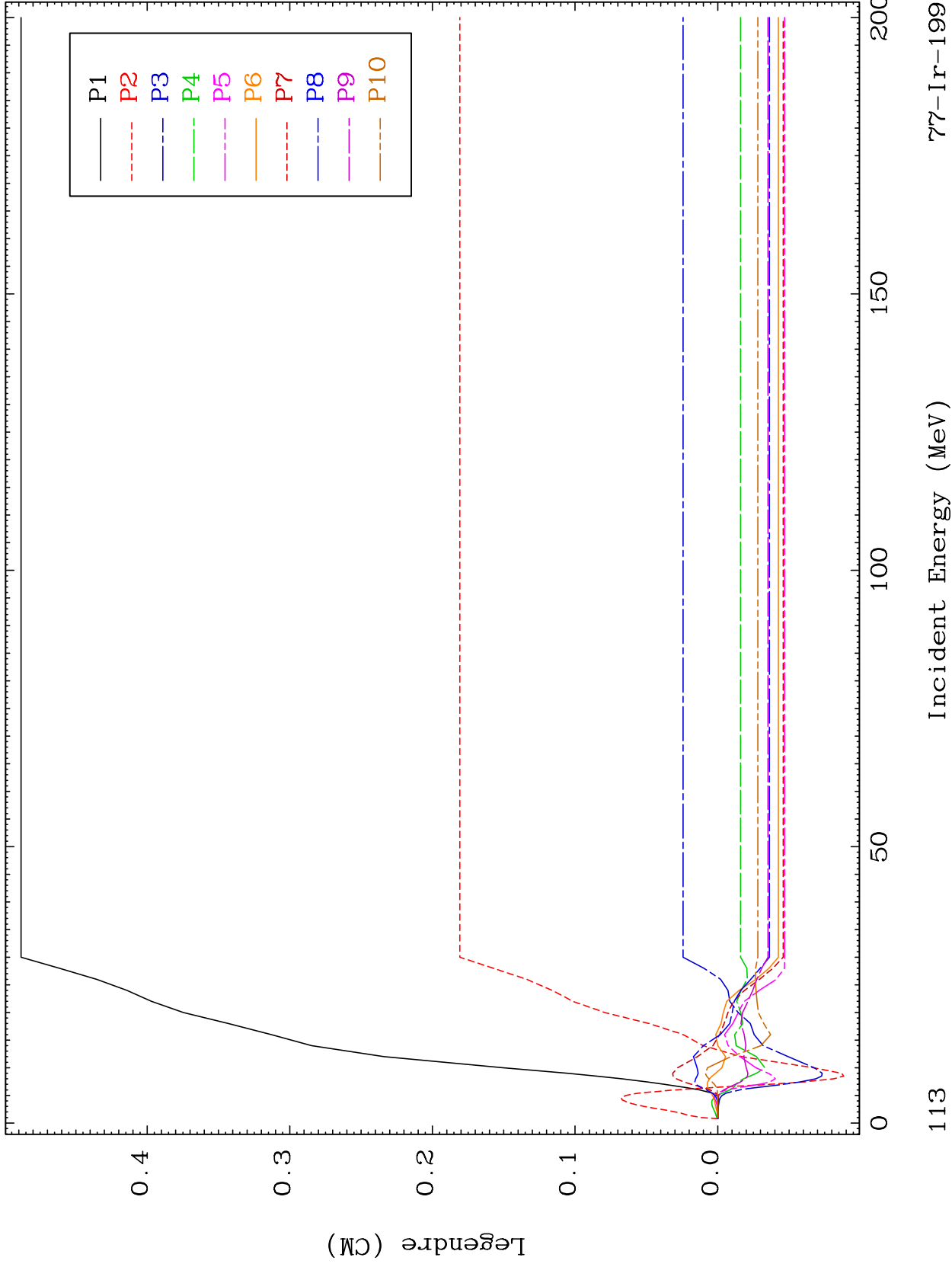


112

MAT 7749

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

77-Ir-199



113

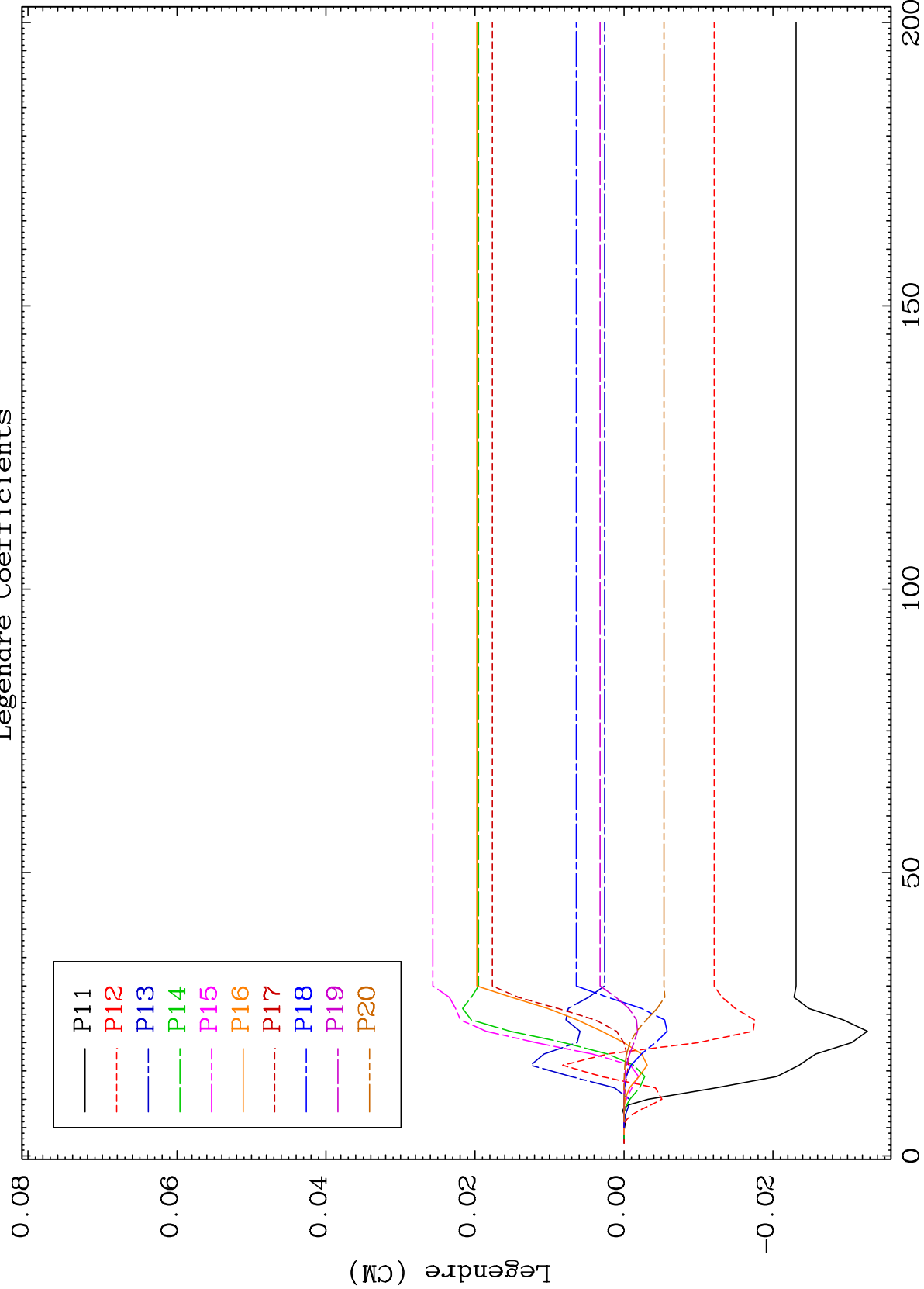
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

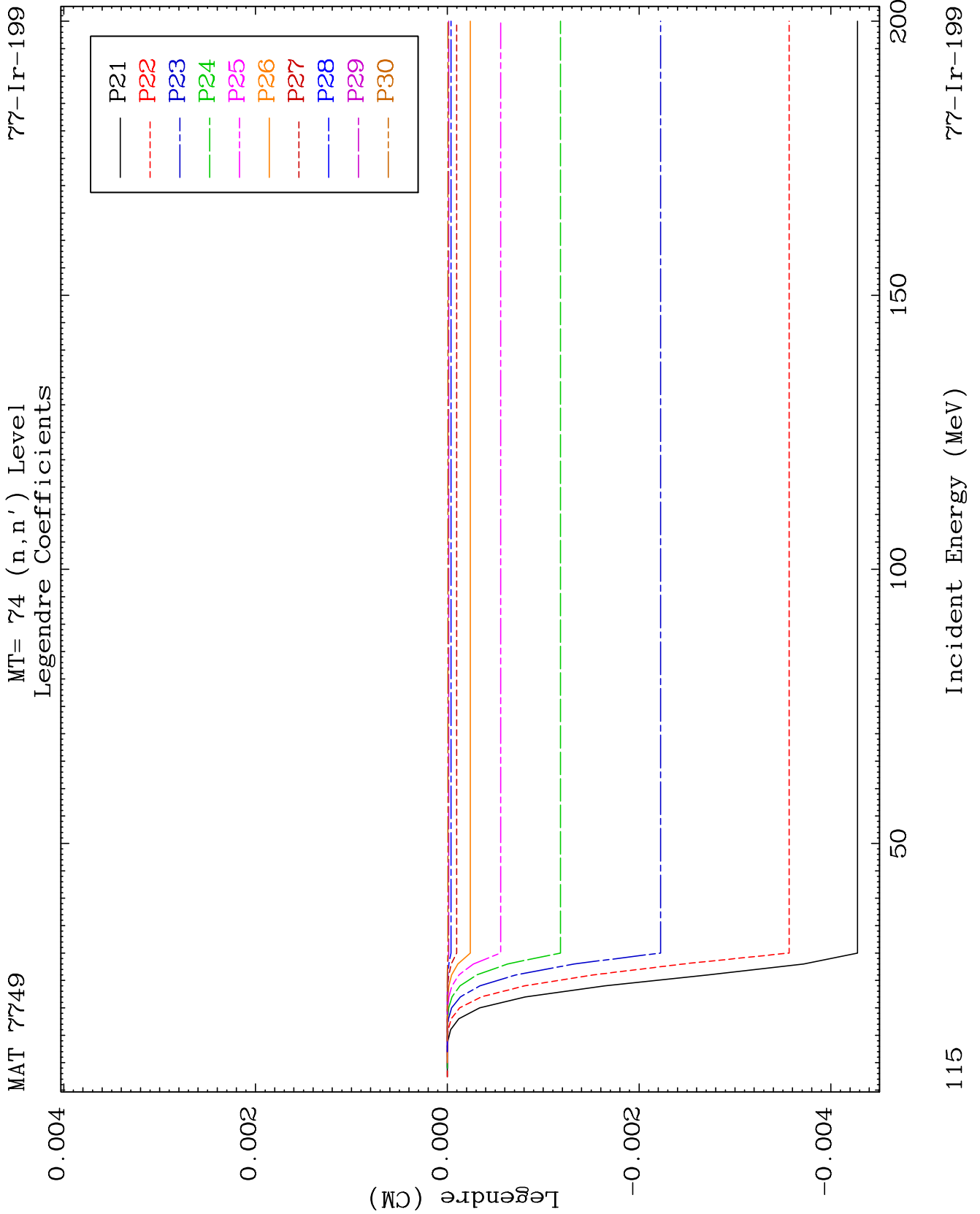
77-Ir-199

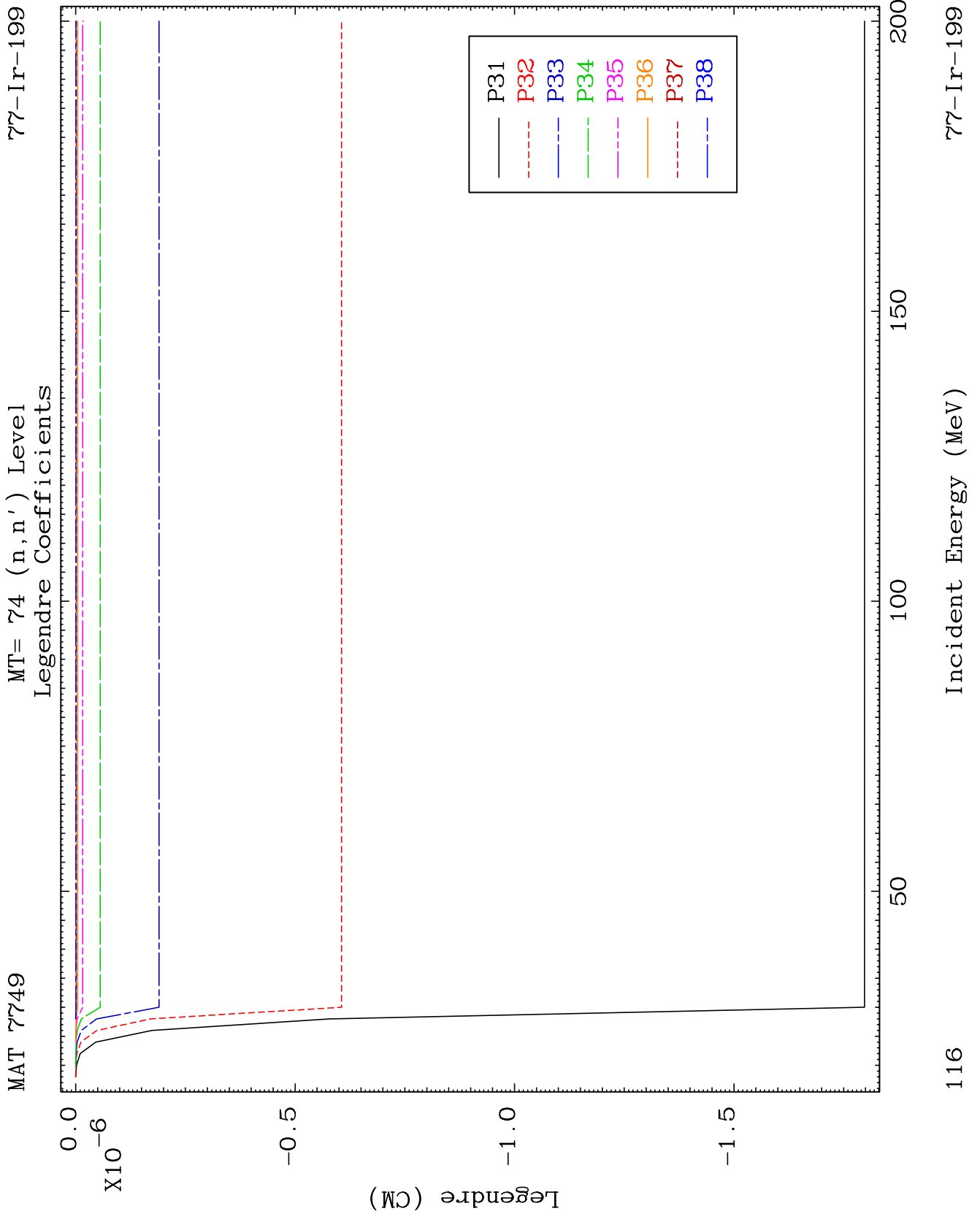


77-Ir-199

Incident Energy (MeV)

114

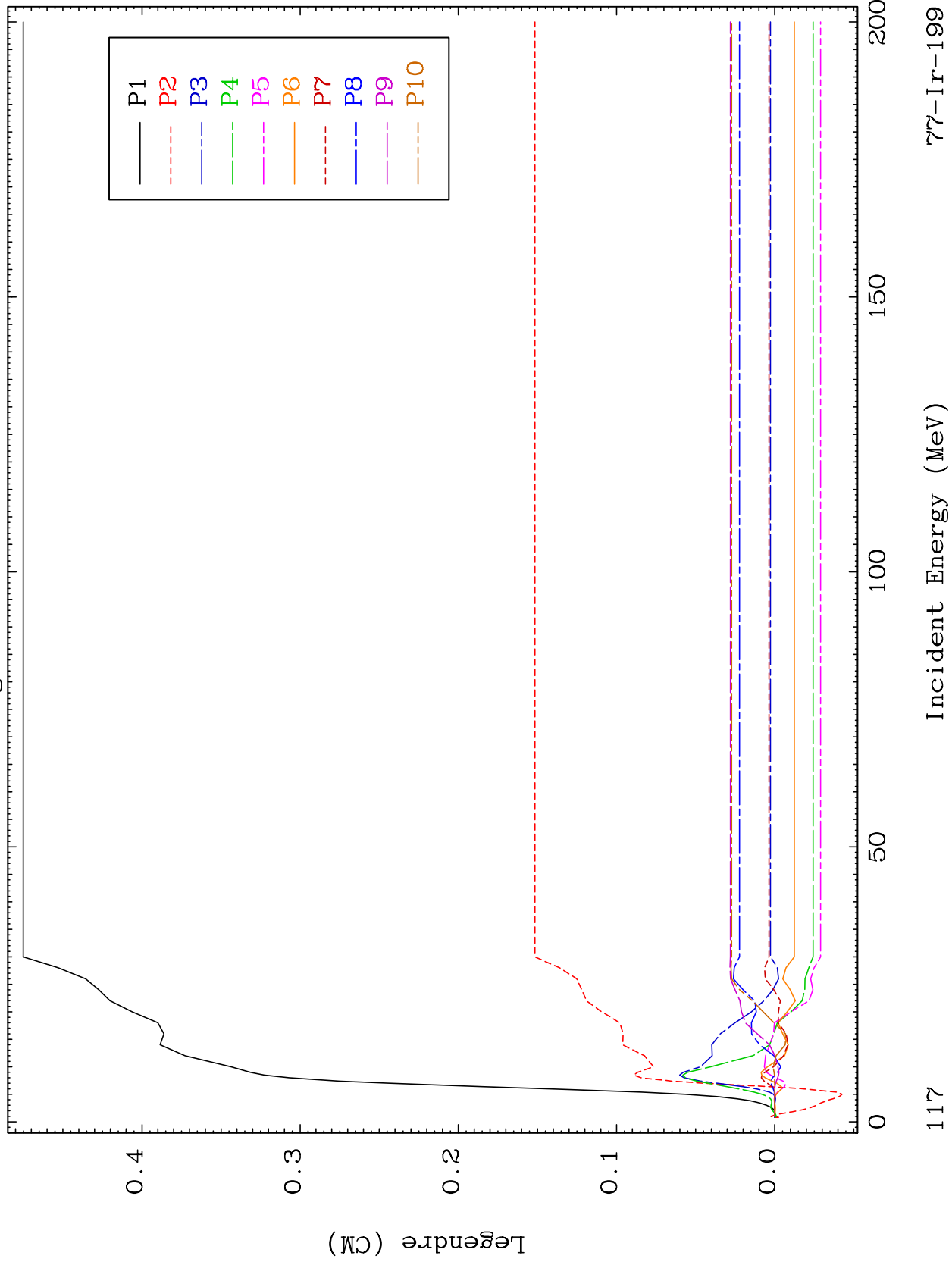




MAT 7749

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

77-Ir-199



77-Ir-199

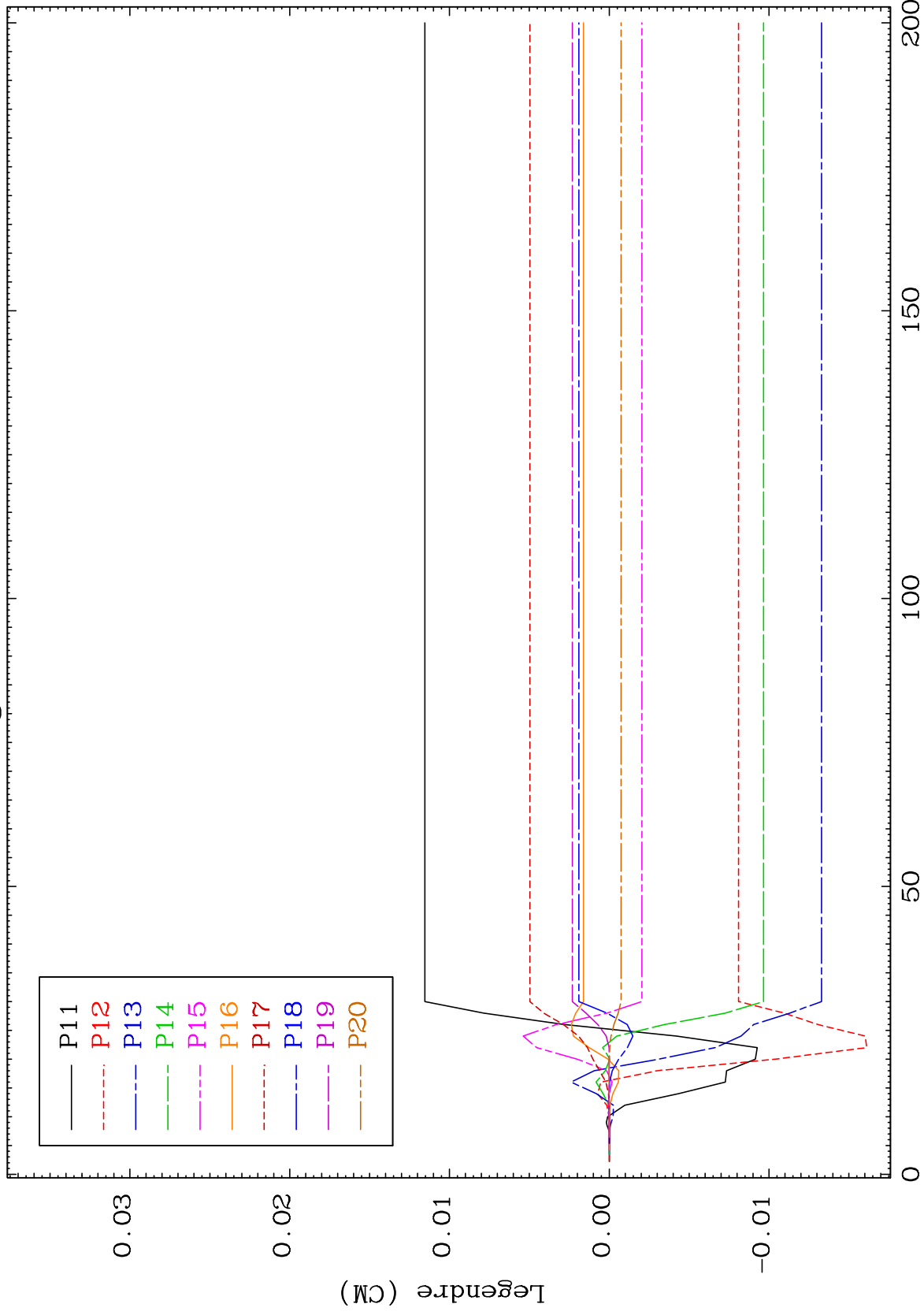
Incident Energy (MeV)

117

MAT 7749

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

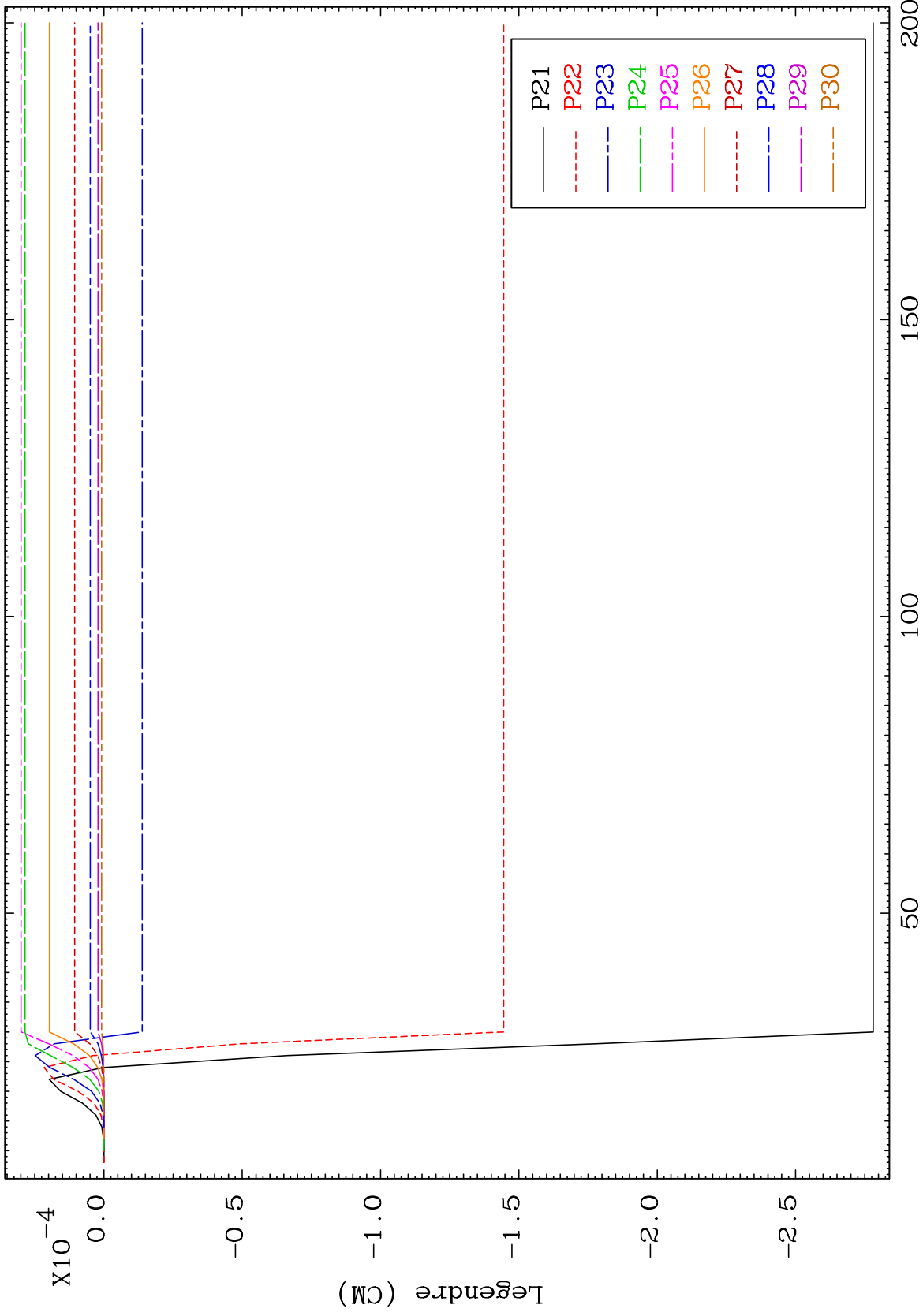
77-Ir-199



118

Incident Energy (MeV)

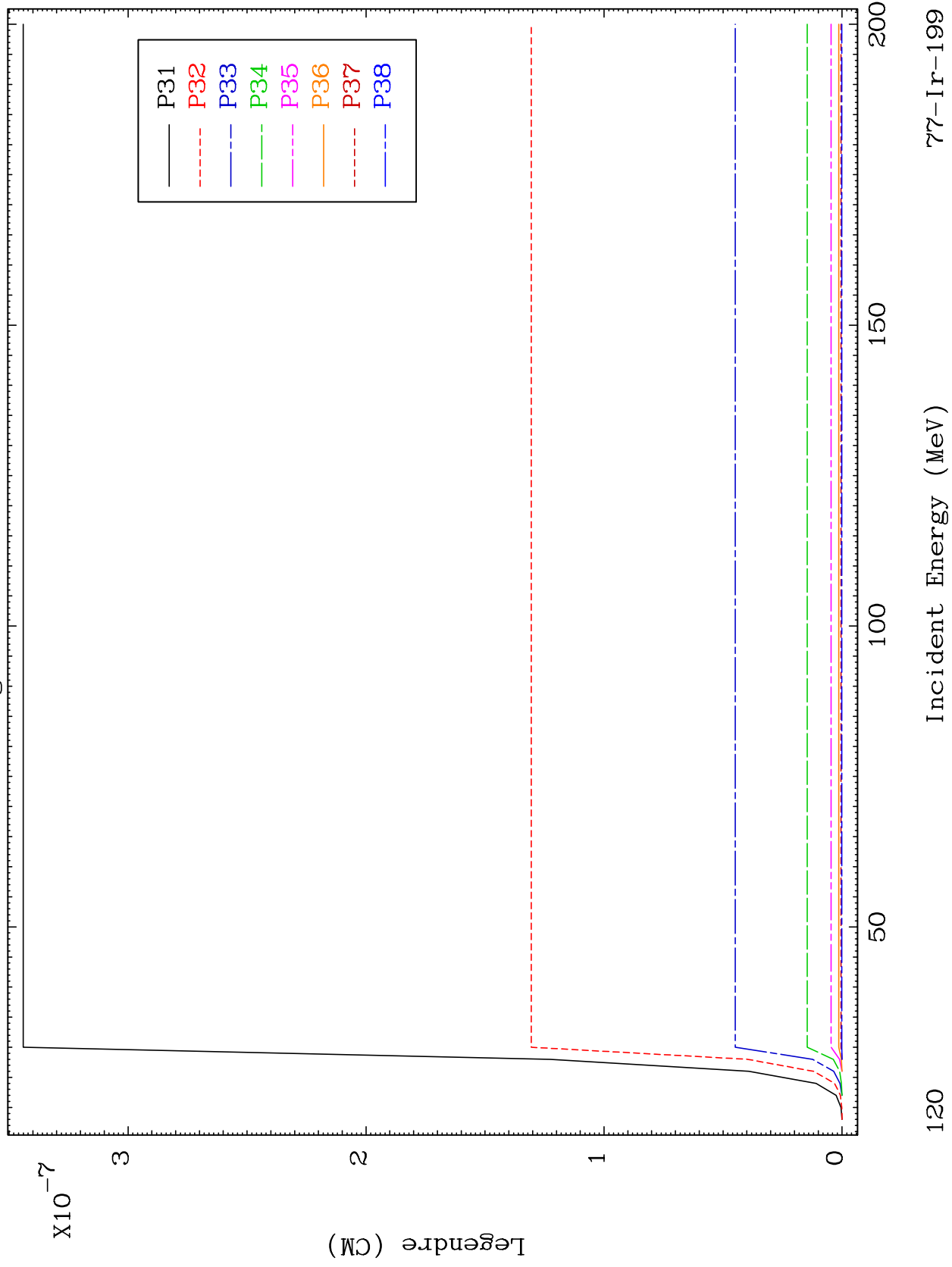
77-Ir-199



MAT 7749

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

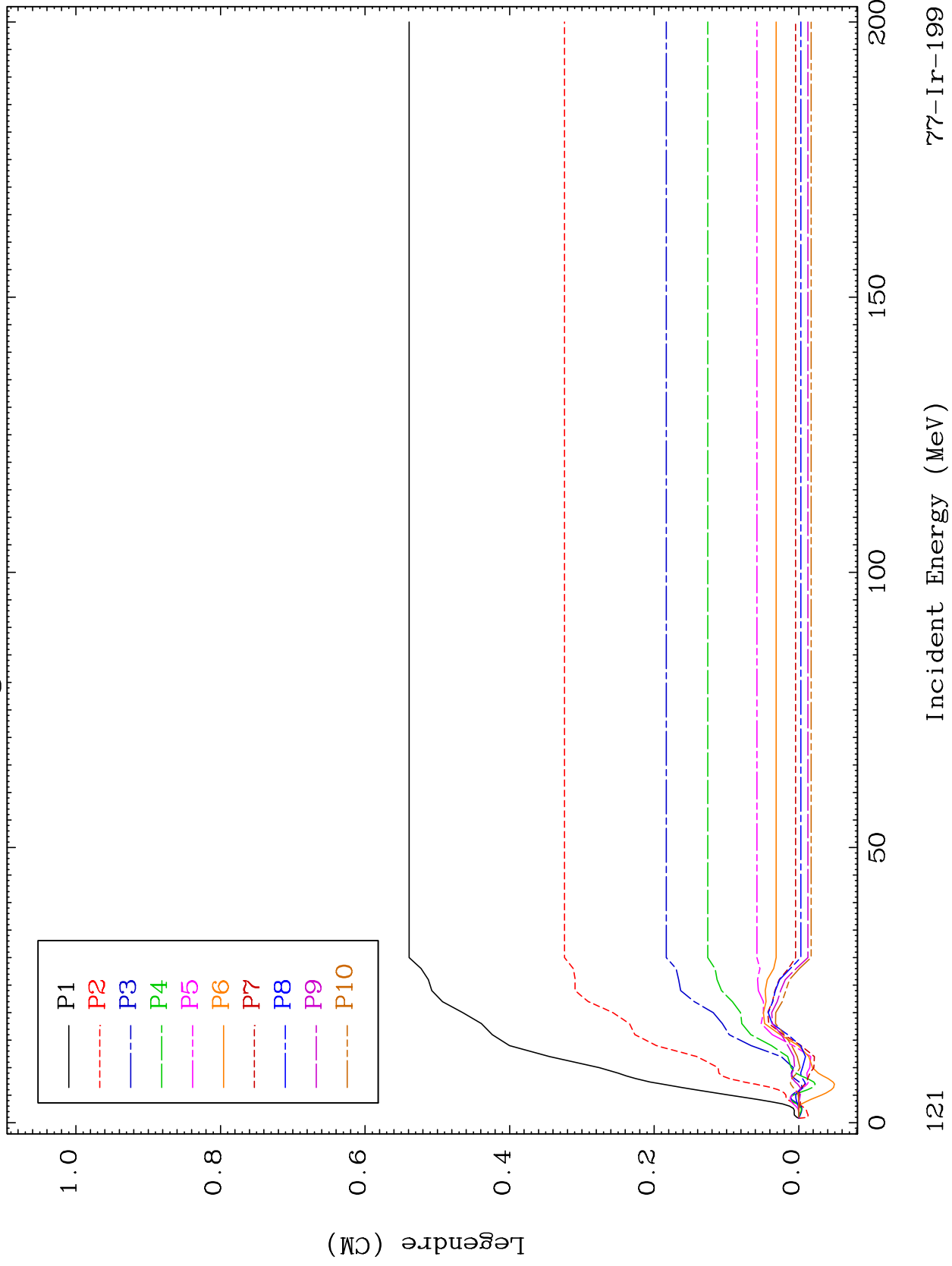
77-Ir-199



MAT 7749

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

77-Ir-199



121

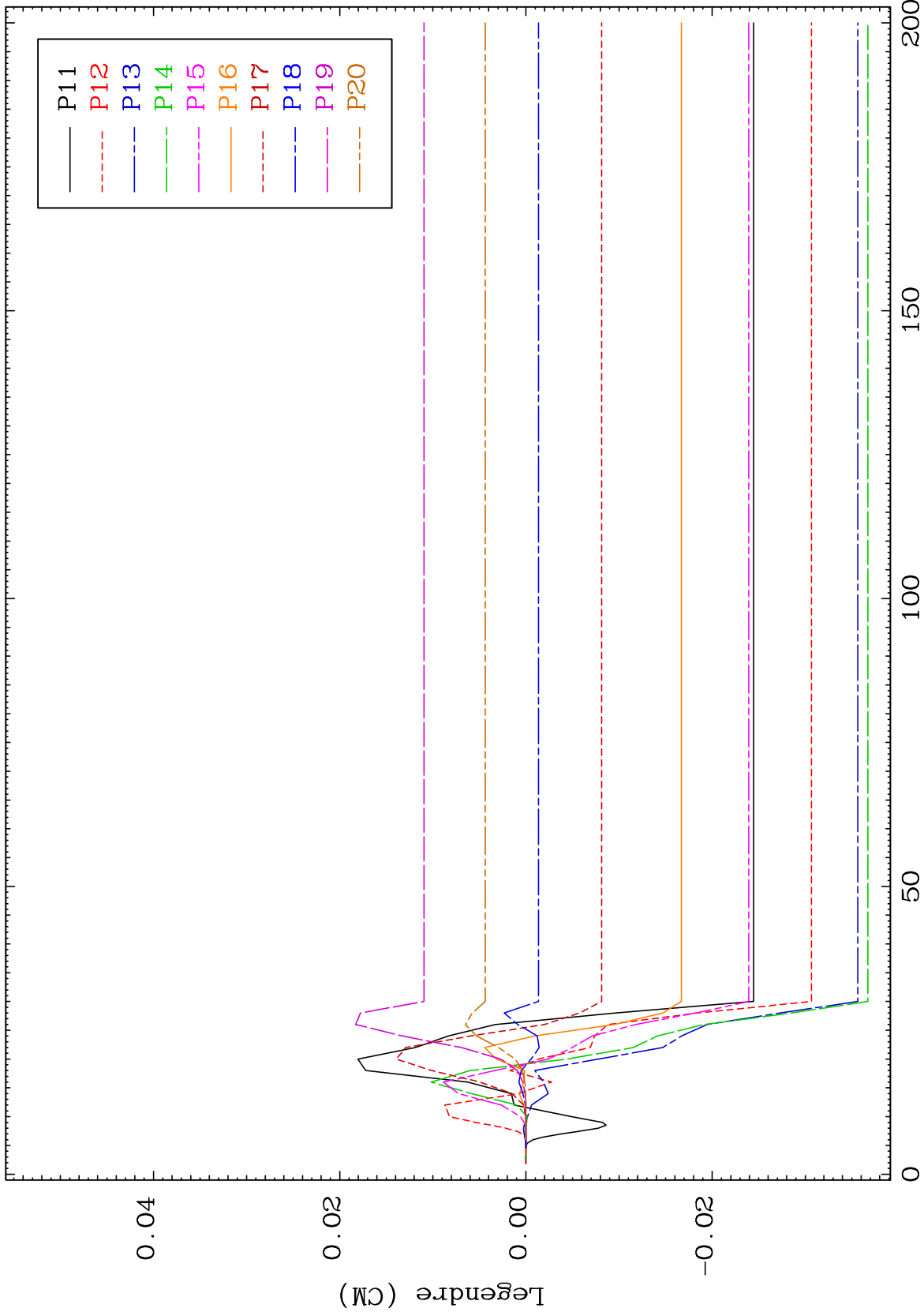
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



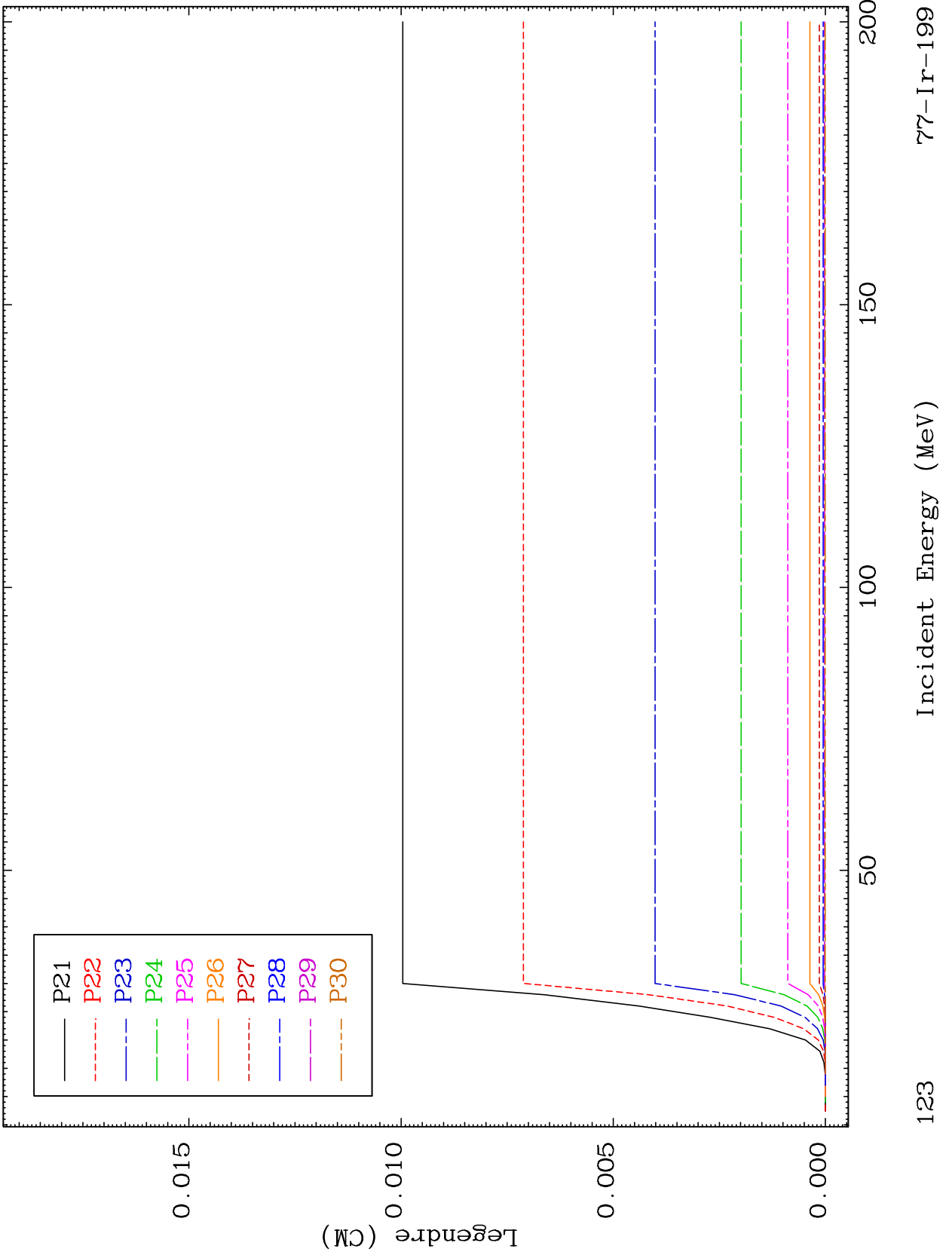
122

77-Ir-199

MAT 7749

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

77-Ir-199



123

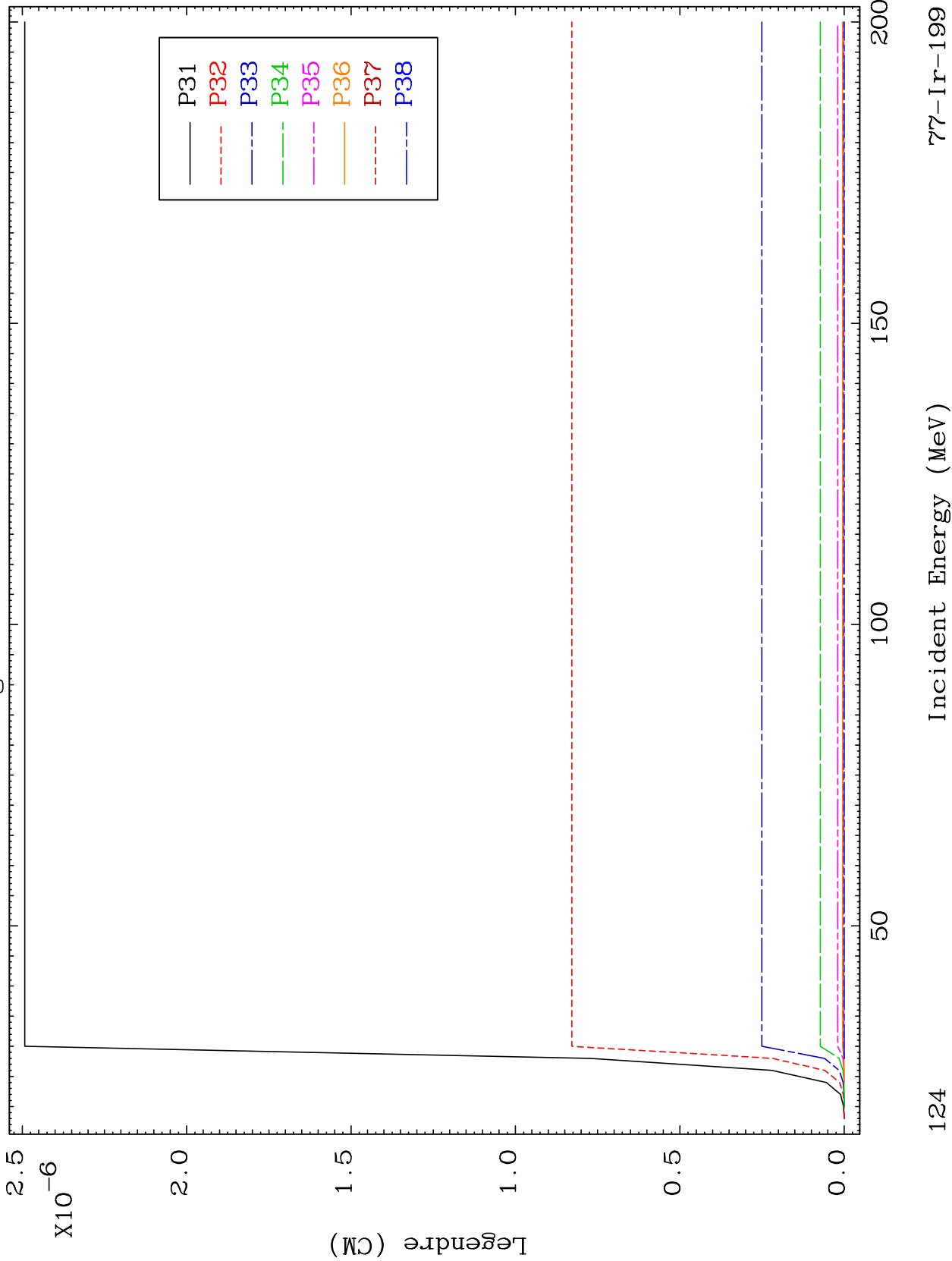
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



124

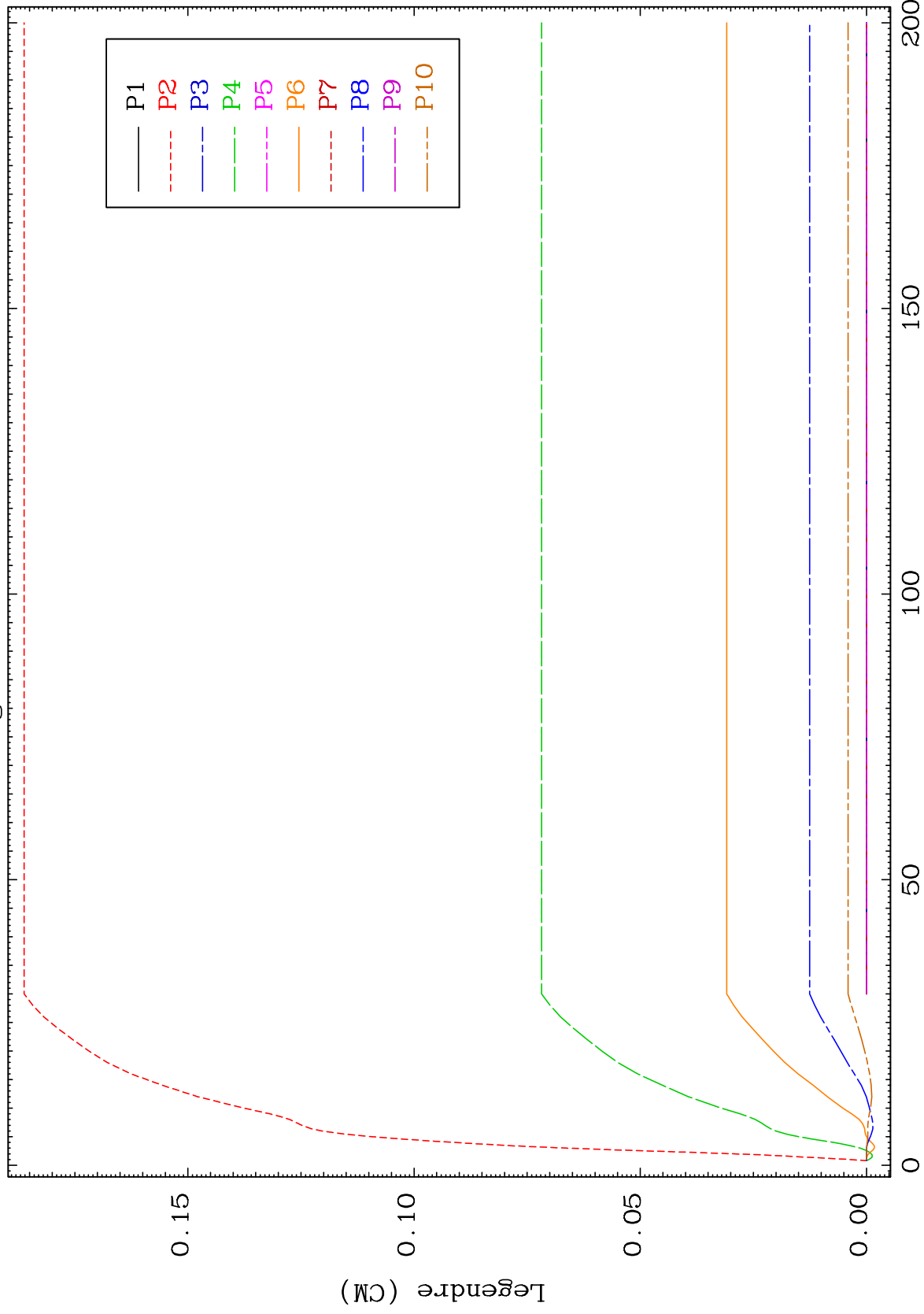
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



77-Ir-199

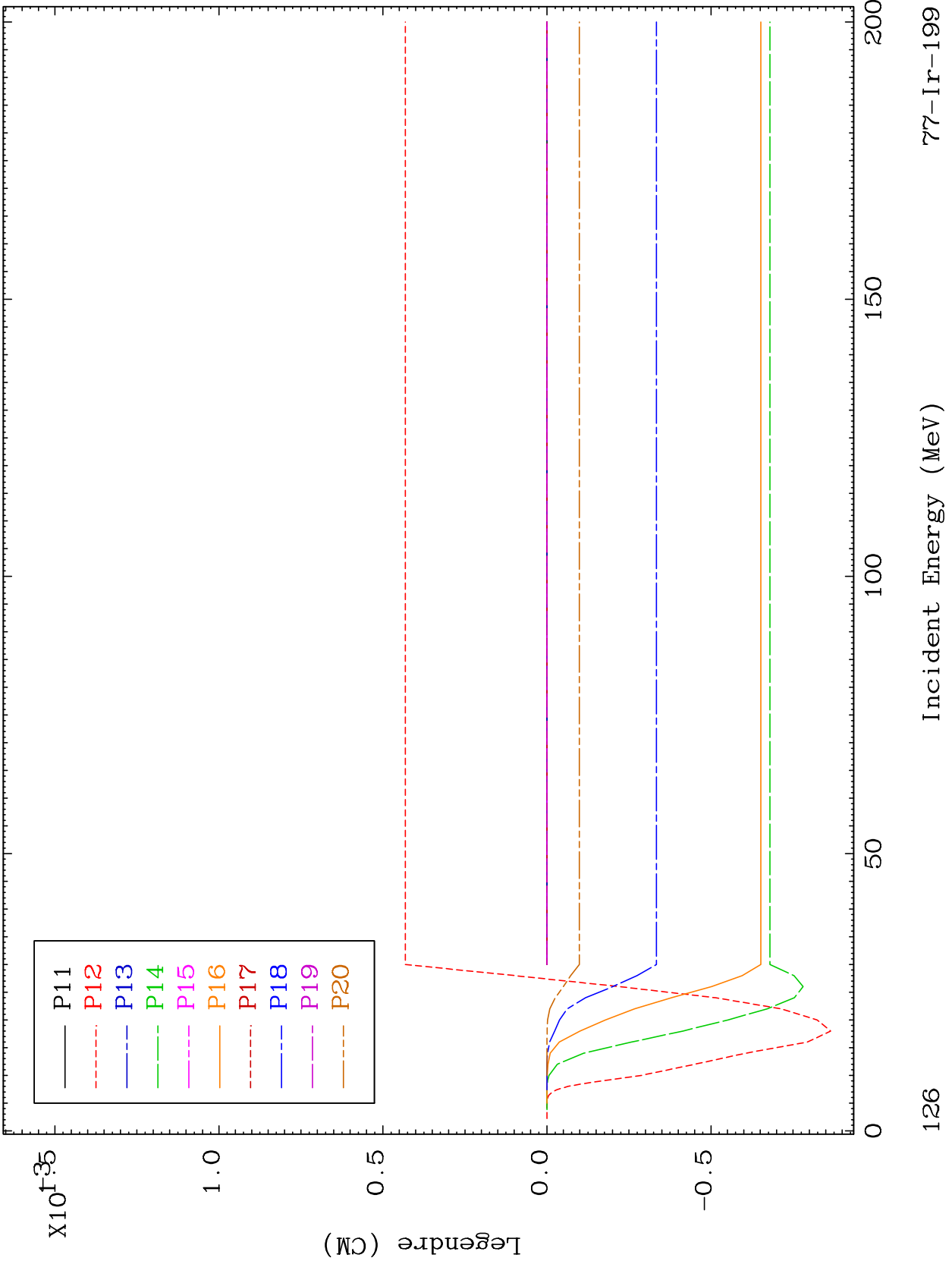
Incident Energy (MeV)

125

MAT 7749

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

77-Ir-199



126

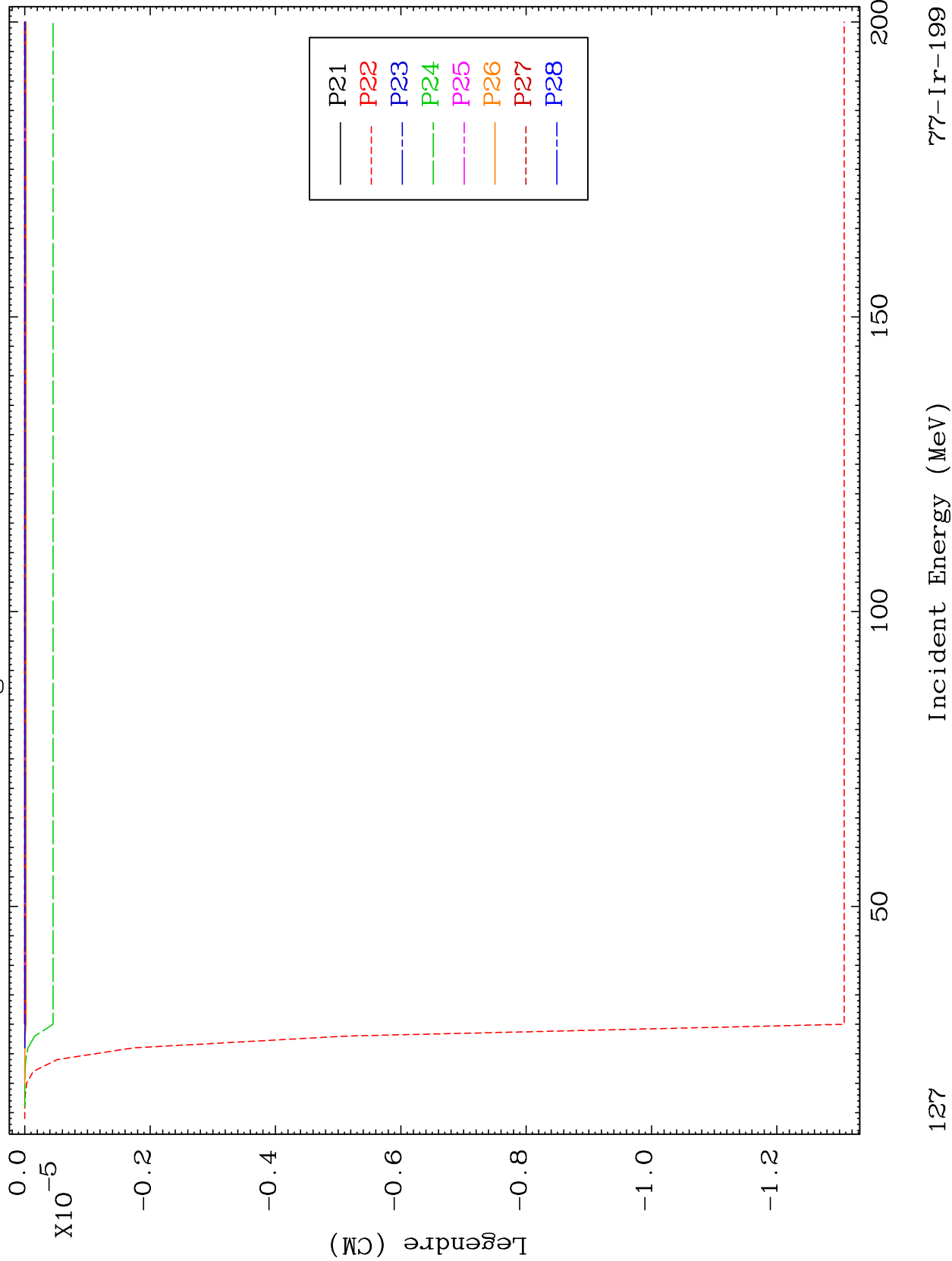
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



127

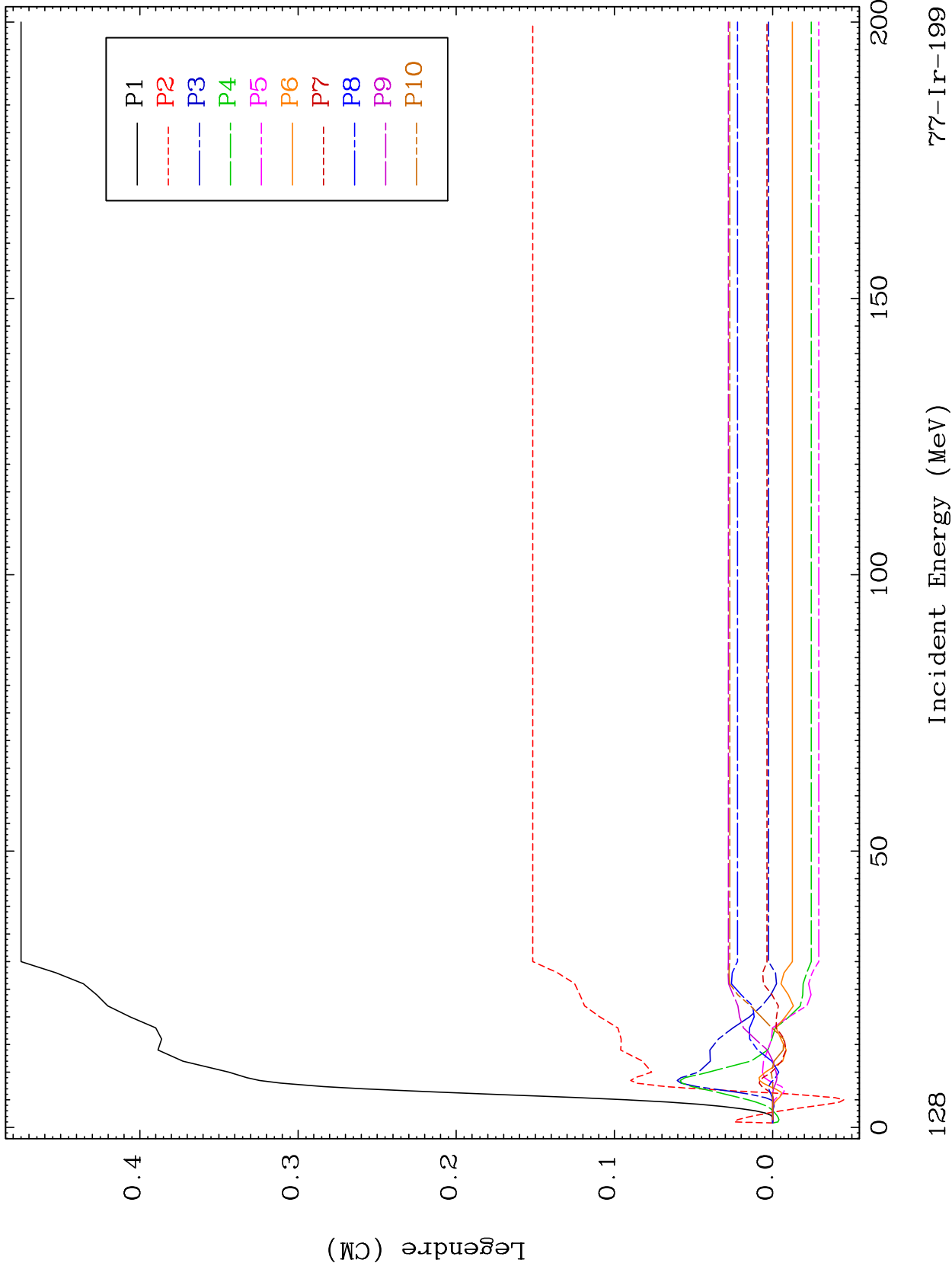
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



128

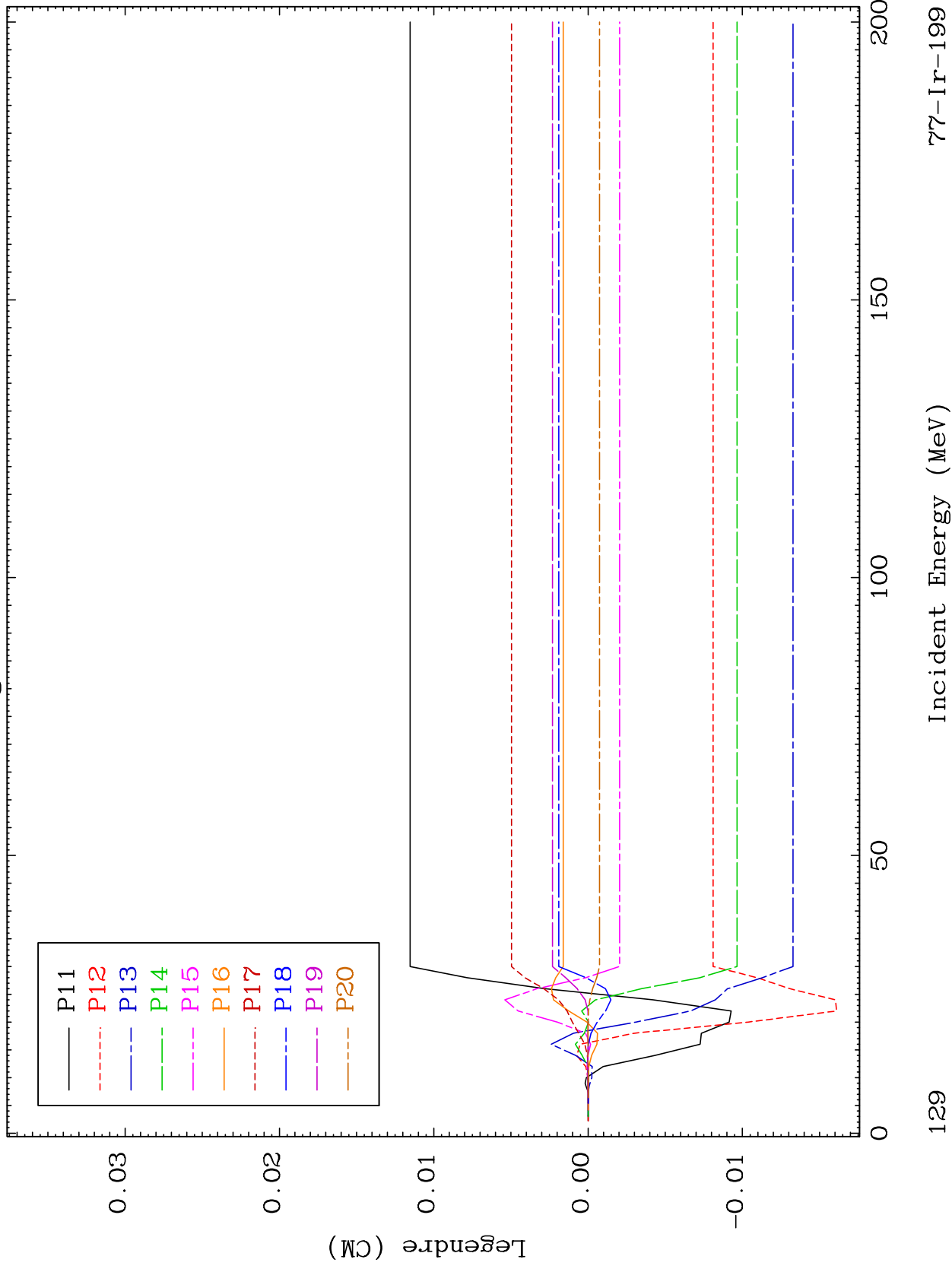
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



77-Ir-199

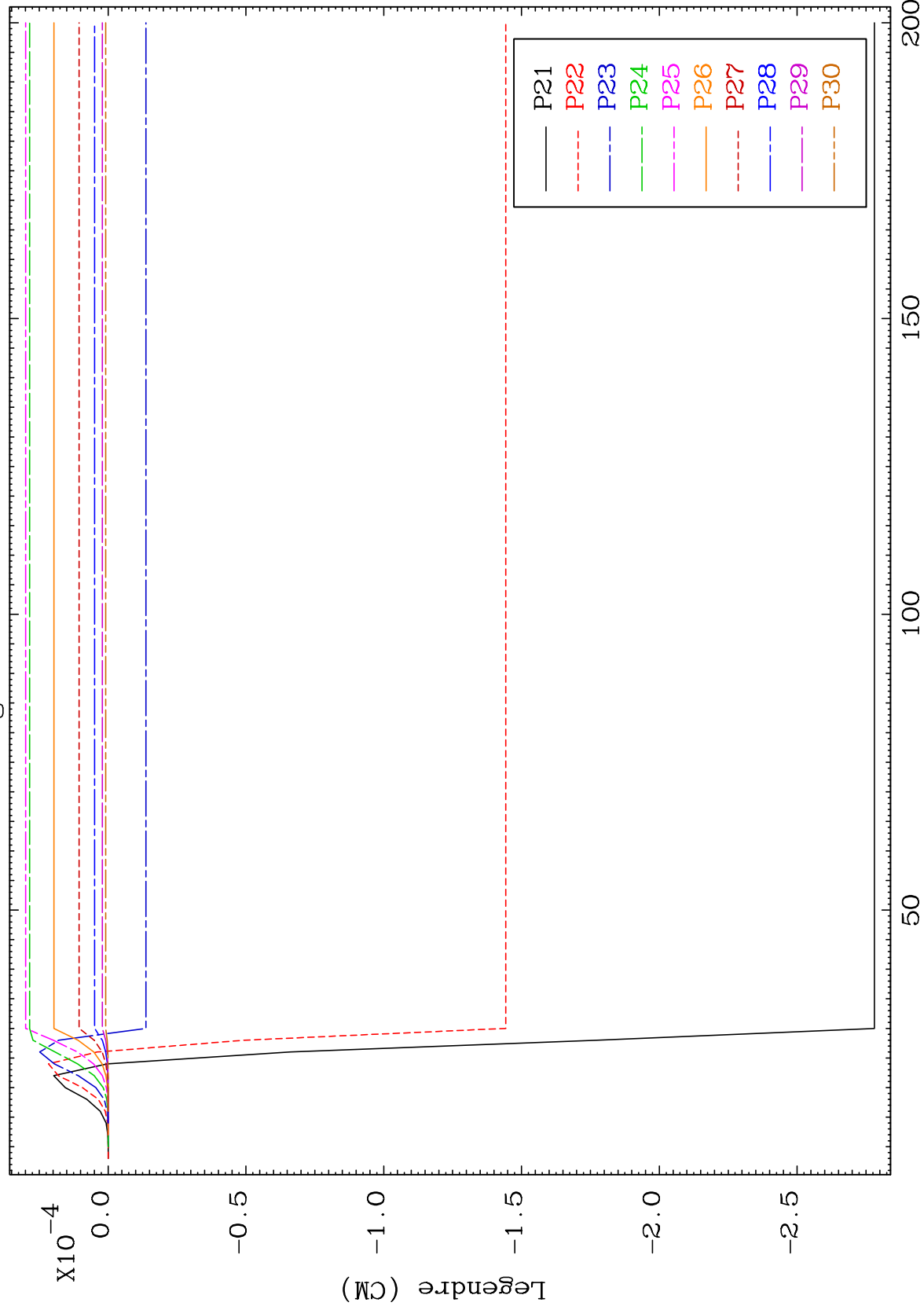
Incident Energy (MeV)

129

MAT 7749

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

77-Ir-199



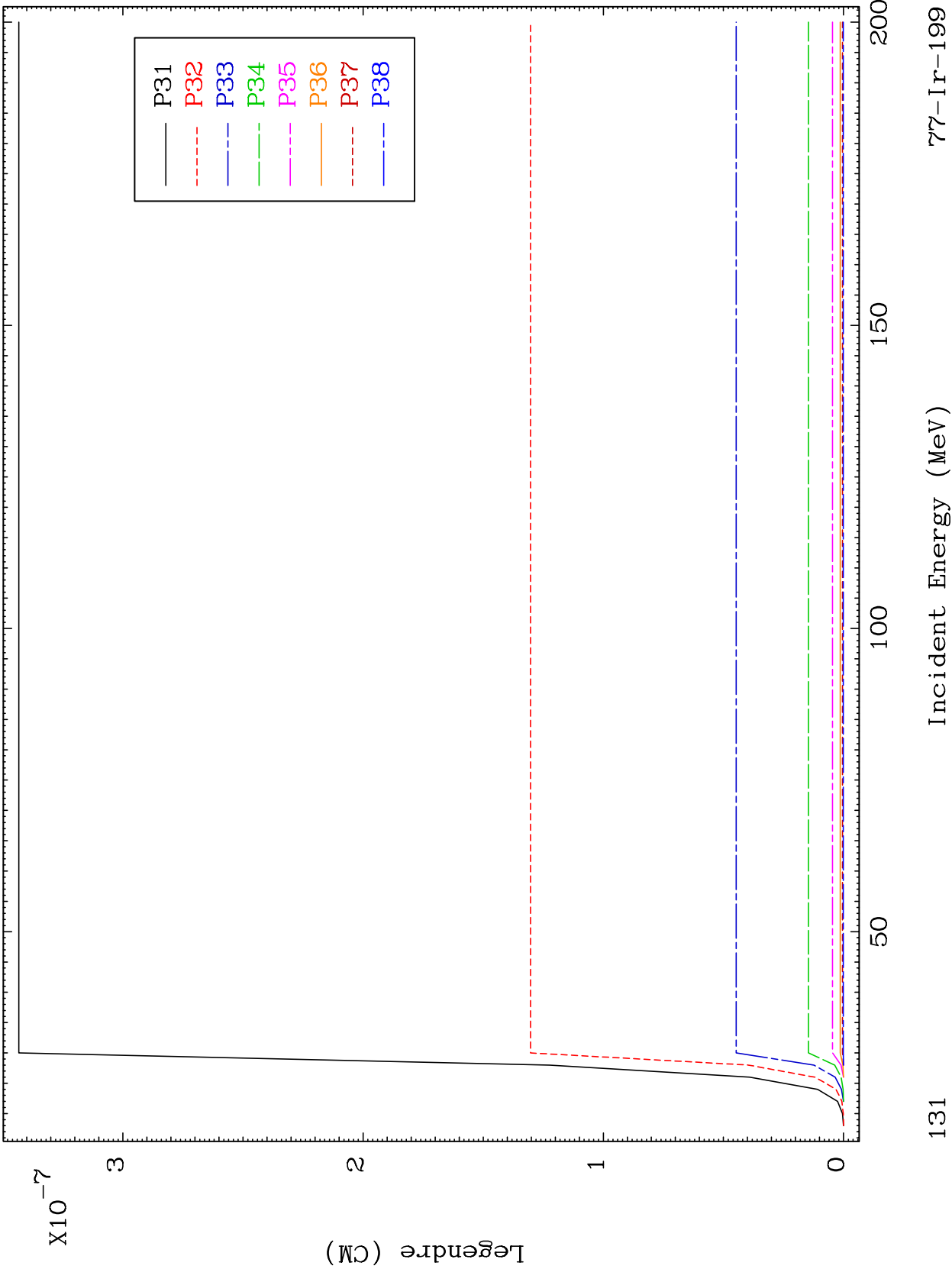
130

77-Ir-199

MAT 7749

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

77-Ir-199



131

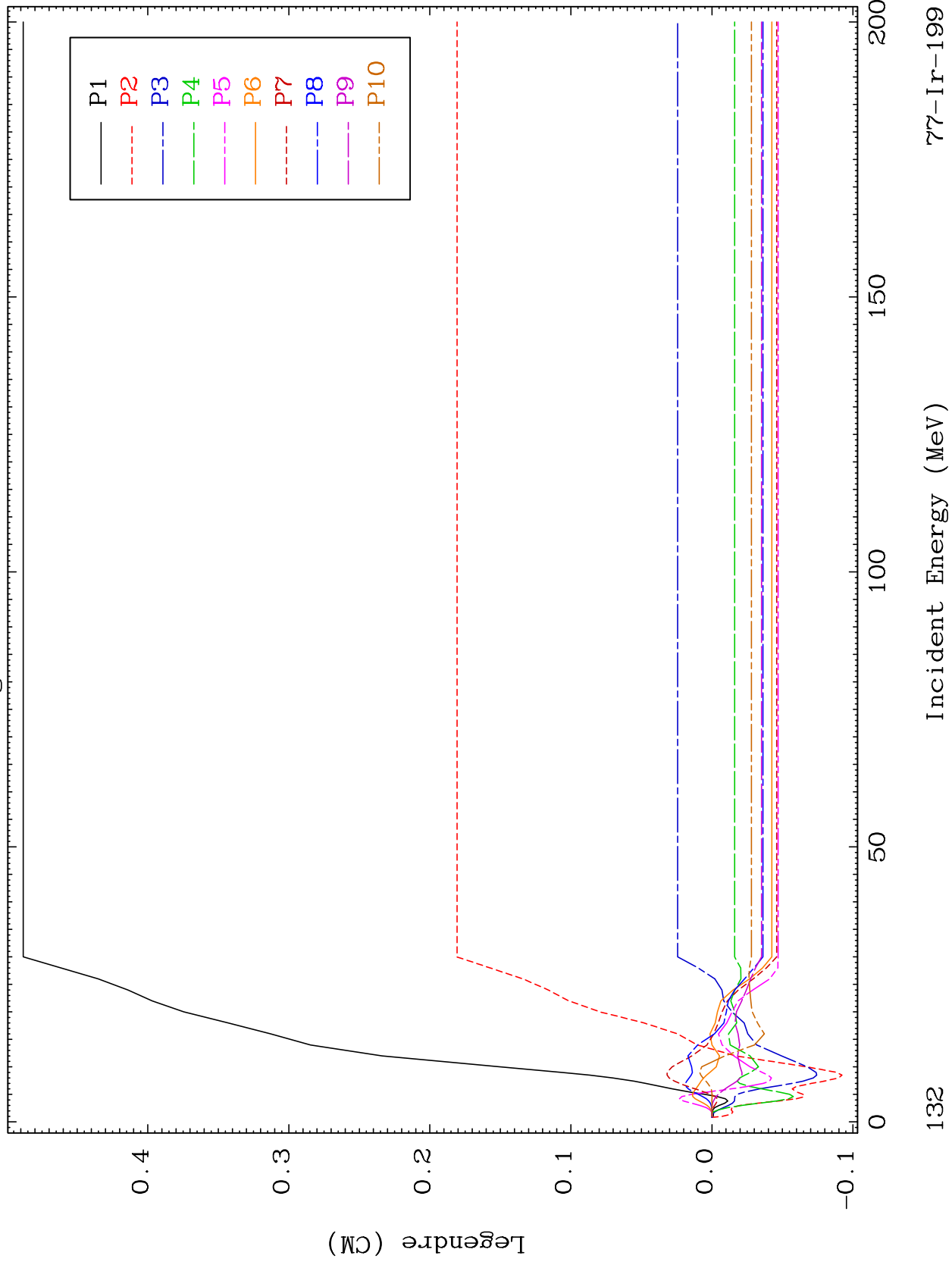
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

77-Ir-199



132

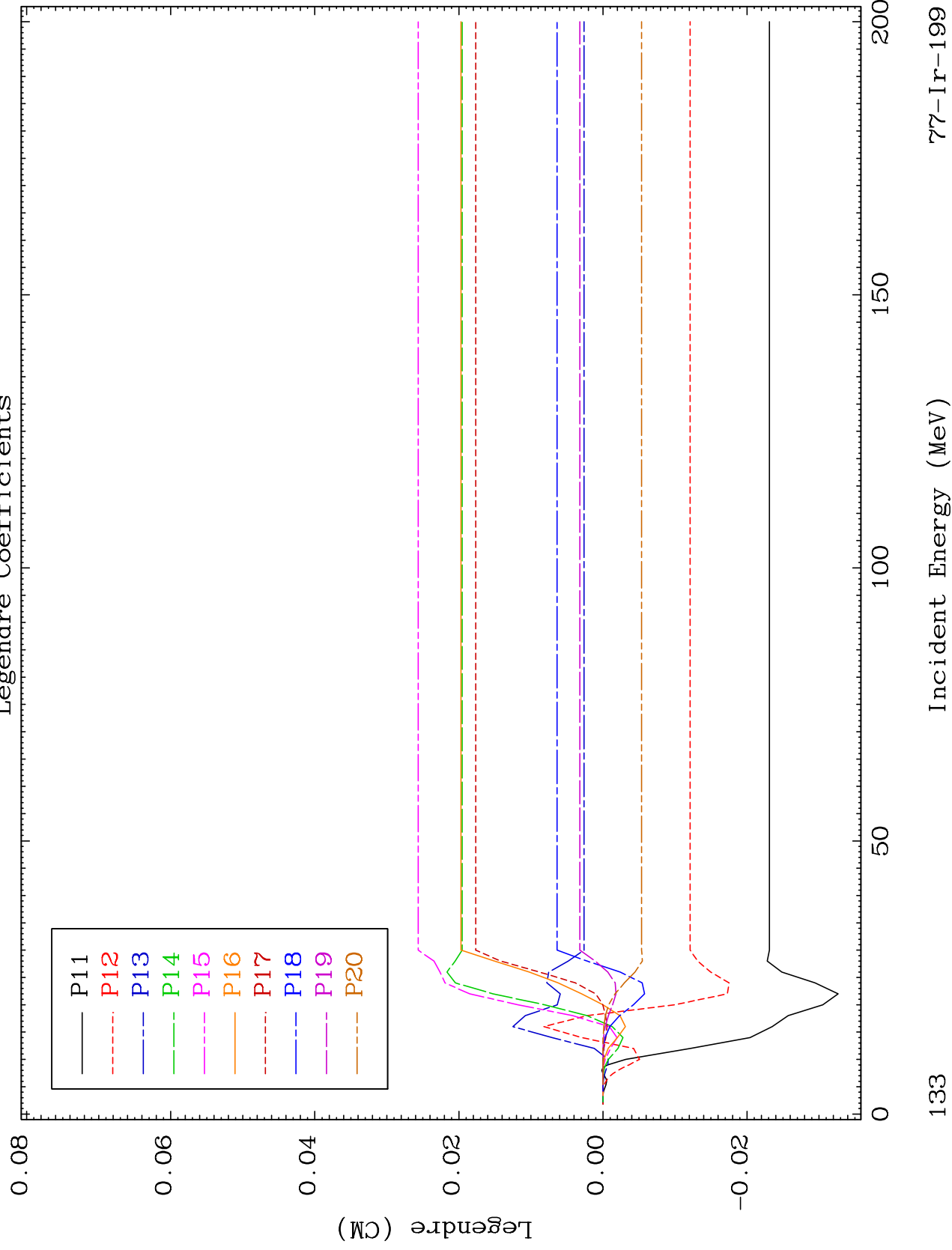
Incident Energy (MeV)

77-Ir-199

MAT 7749

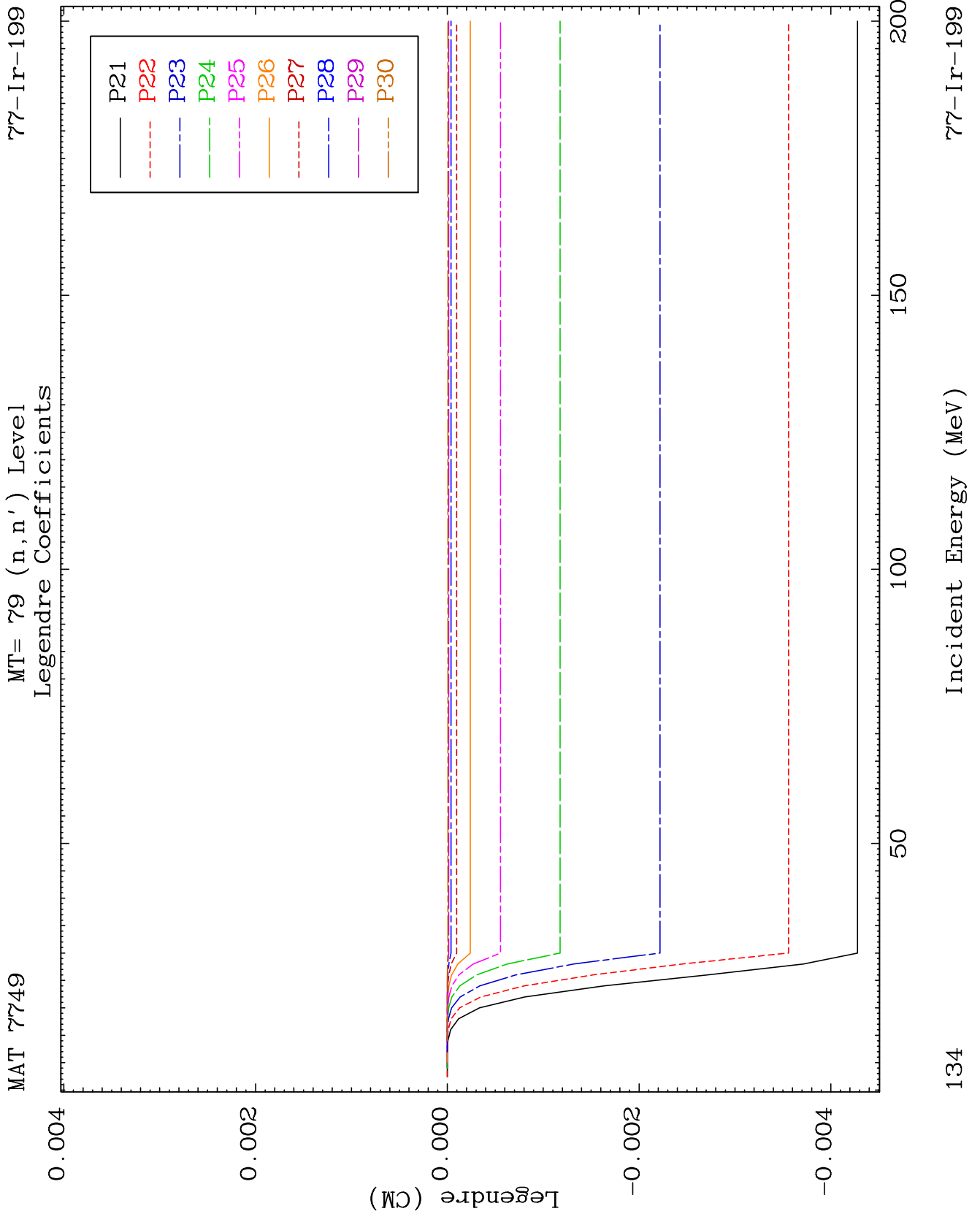
MT= 79 (n,n') Level
Legendre Coefficients

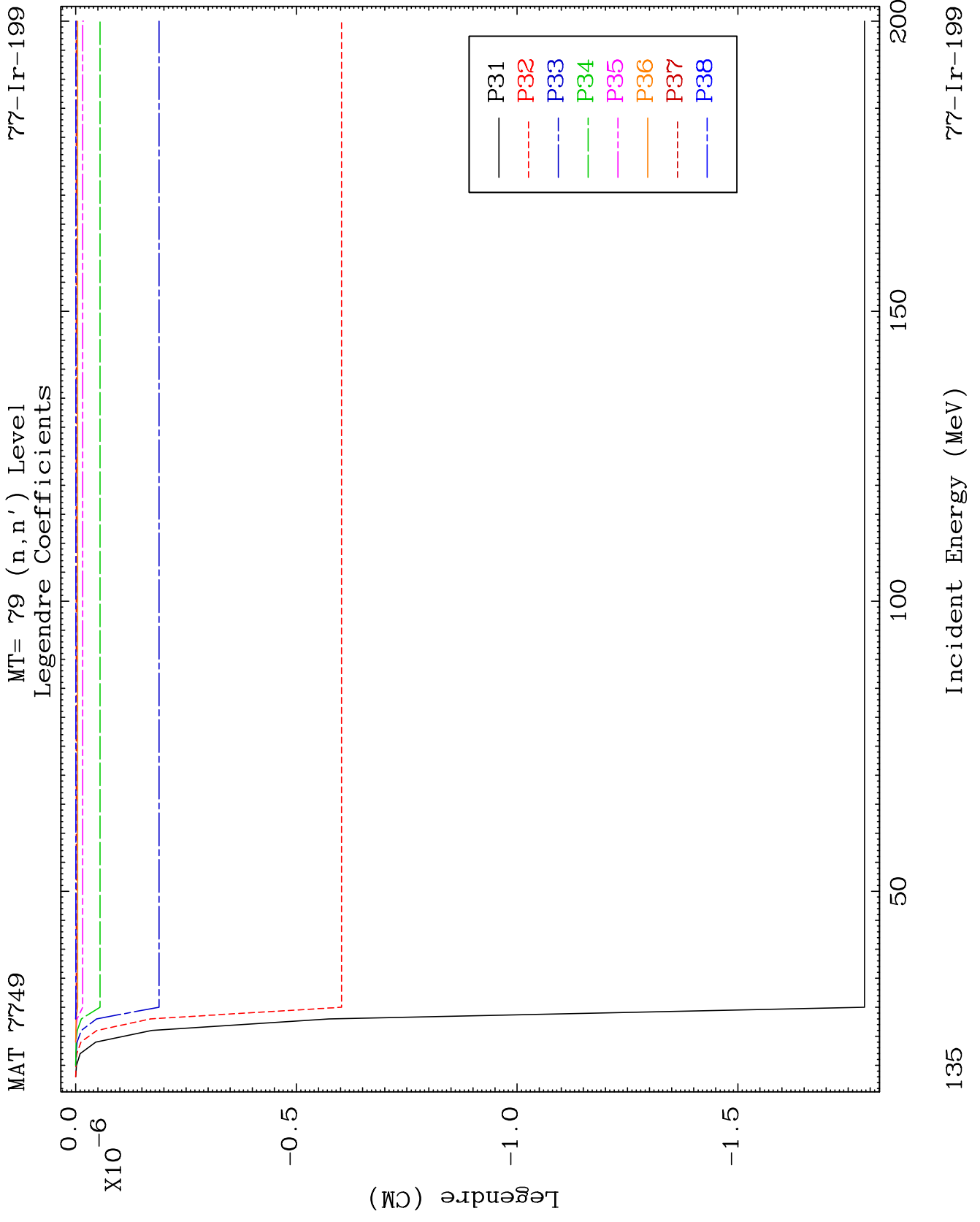
77-Ir-199



133

77-Ir-199

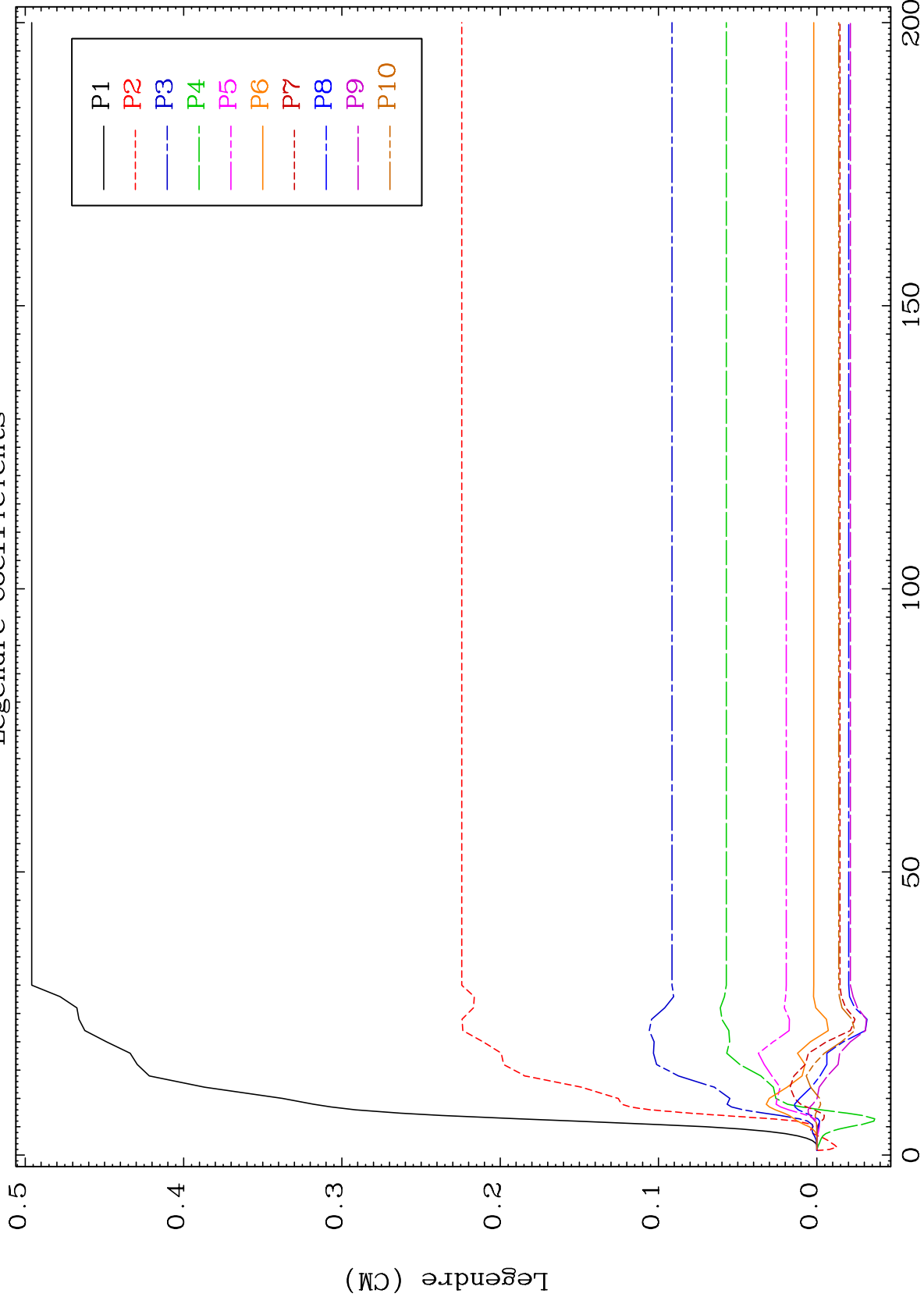




MAT 7749

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

77-Ir-199



136

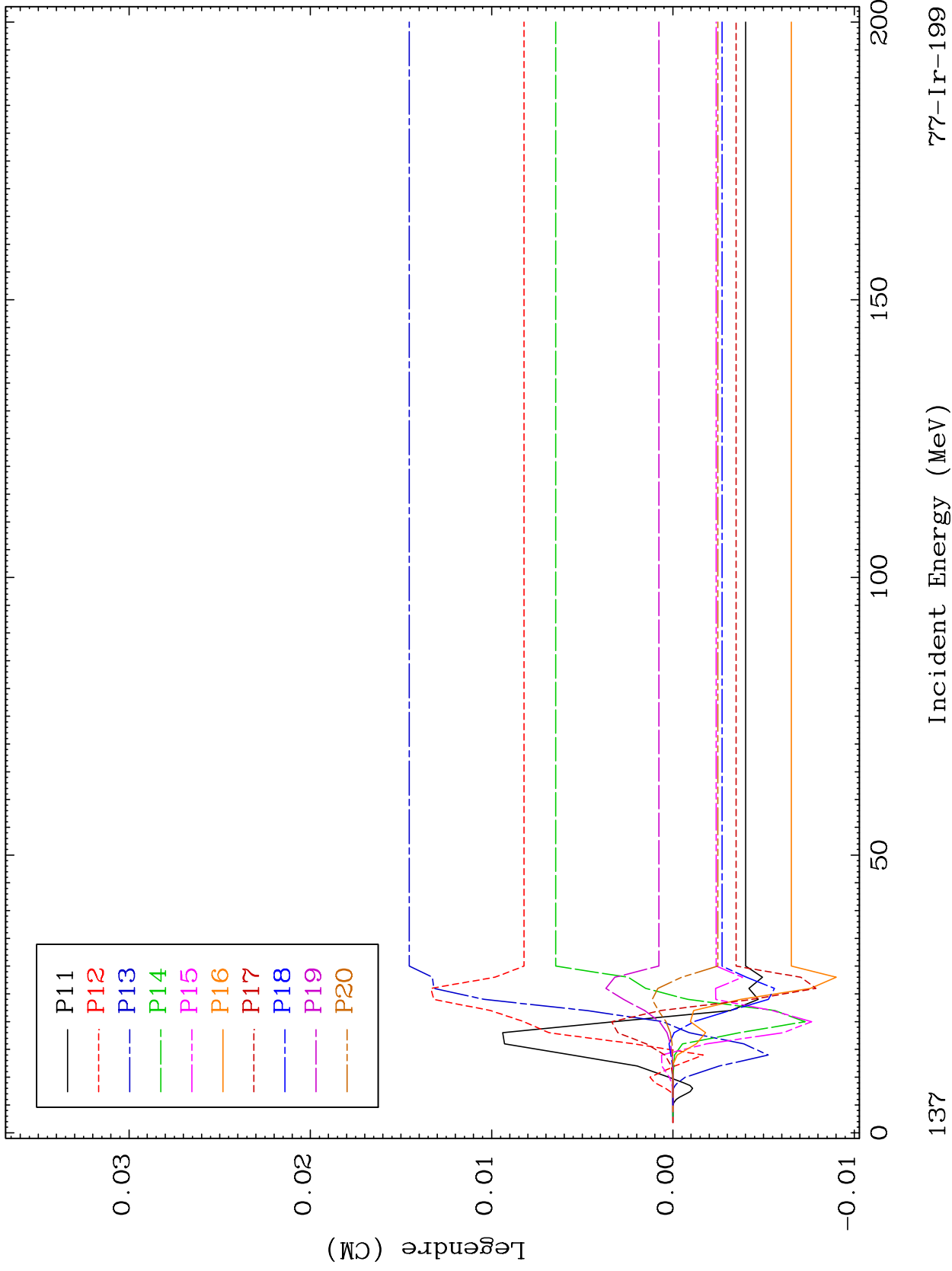
Incident Energy (MeV)

77-Ir-199

MAT 7749

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

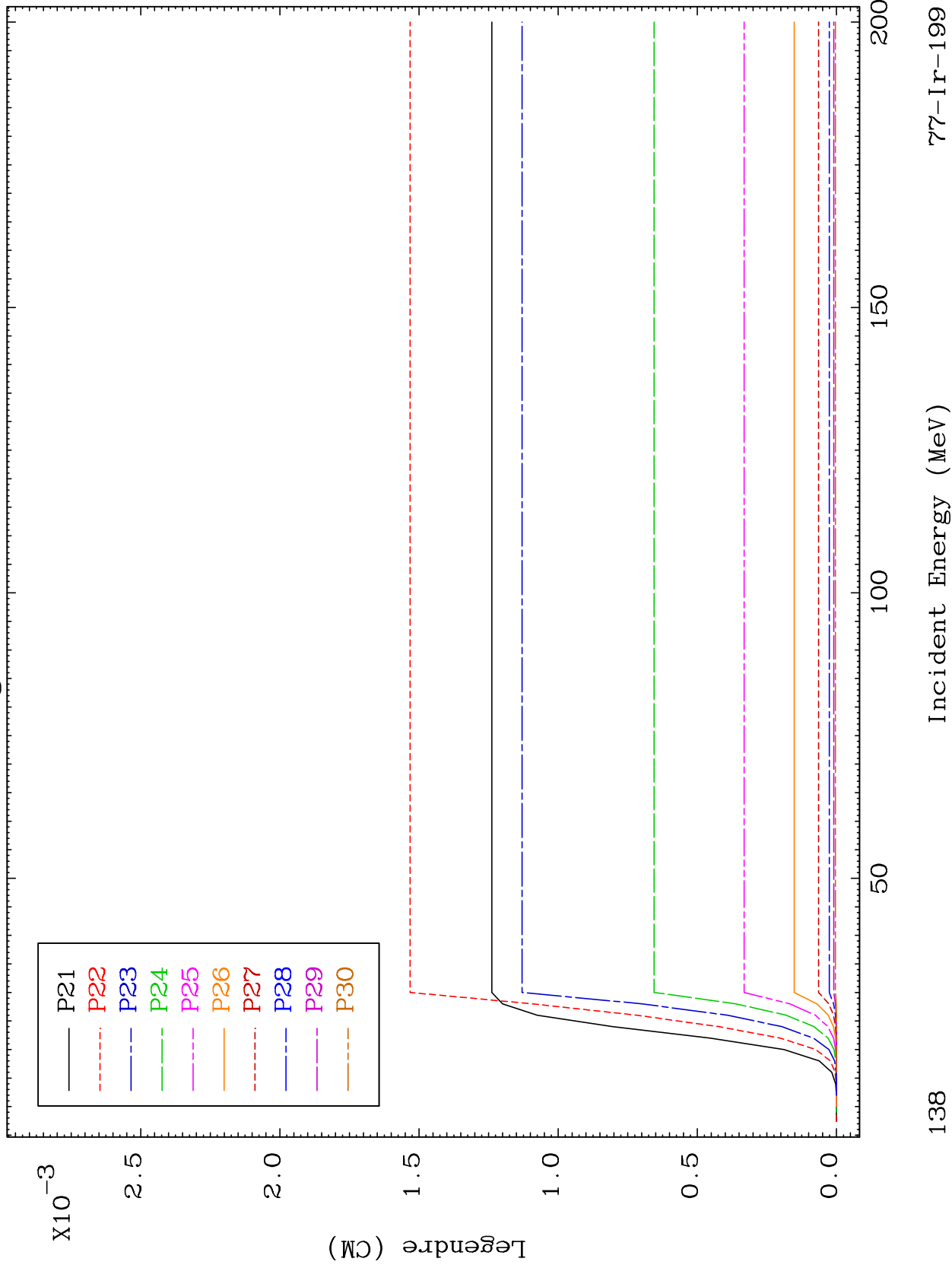
77-Ir-199



137

Incident Energy (MeV)

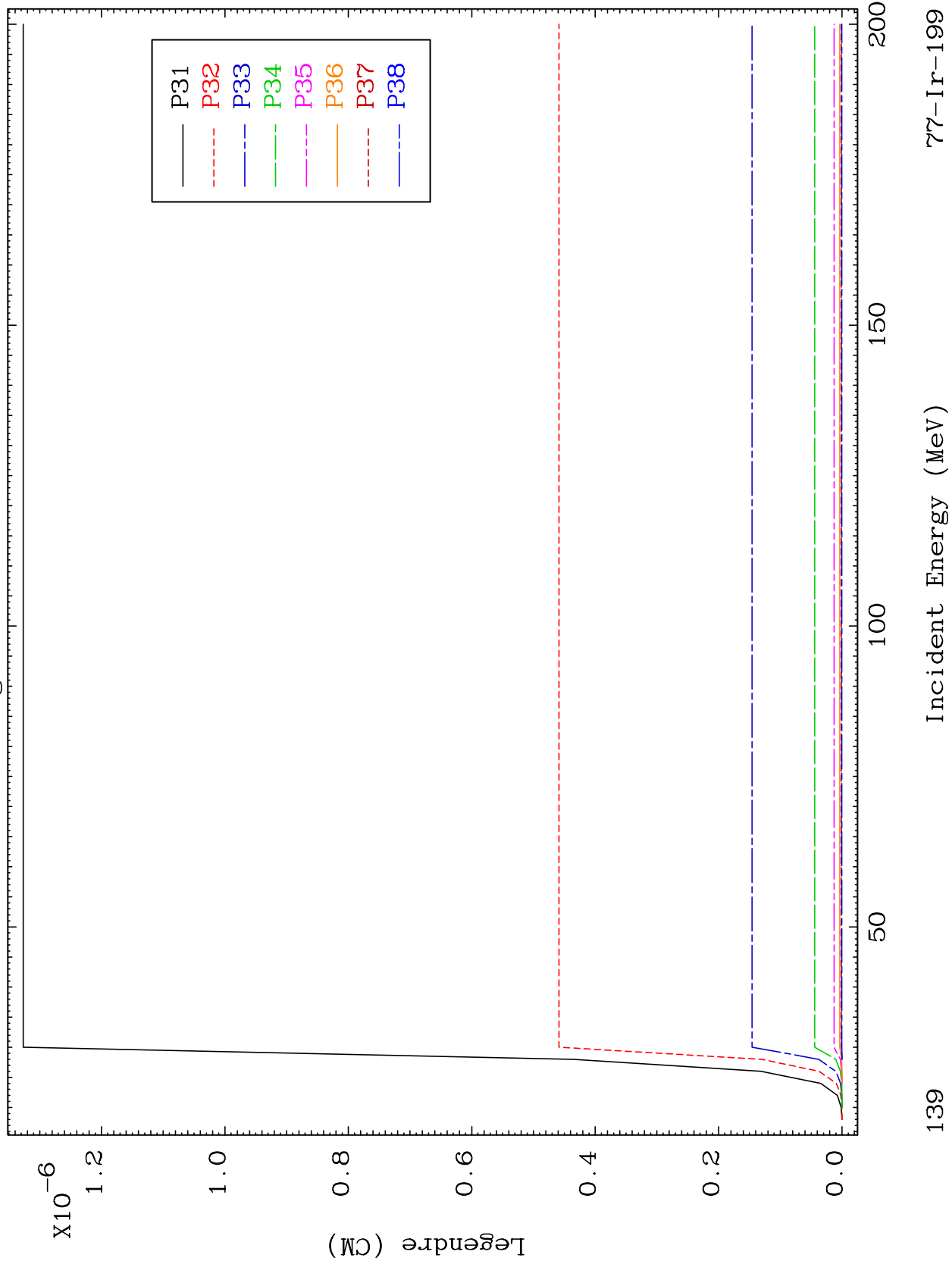
77-Ir-199



MAT 7749

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

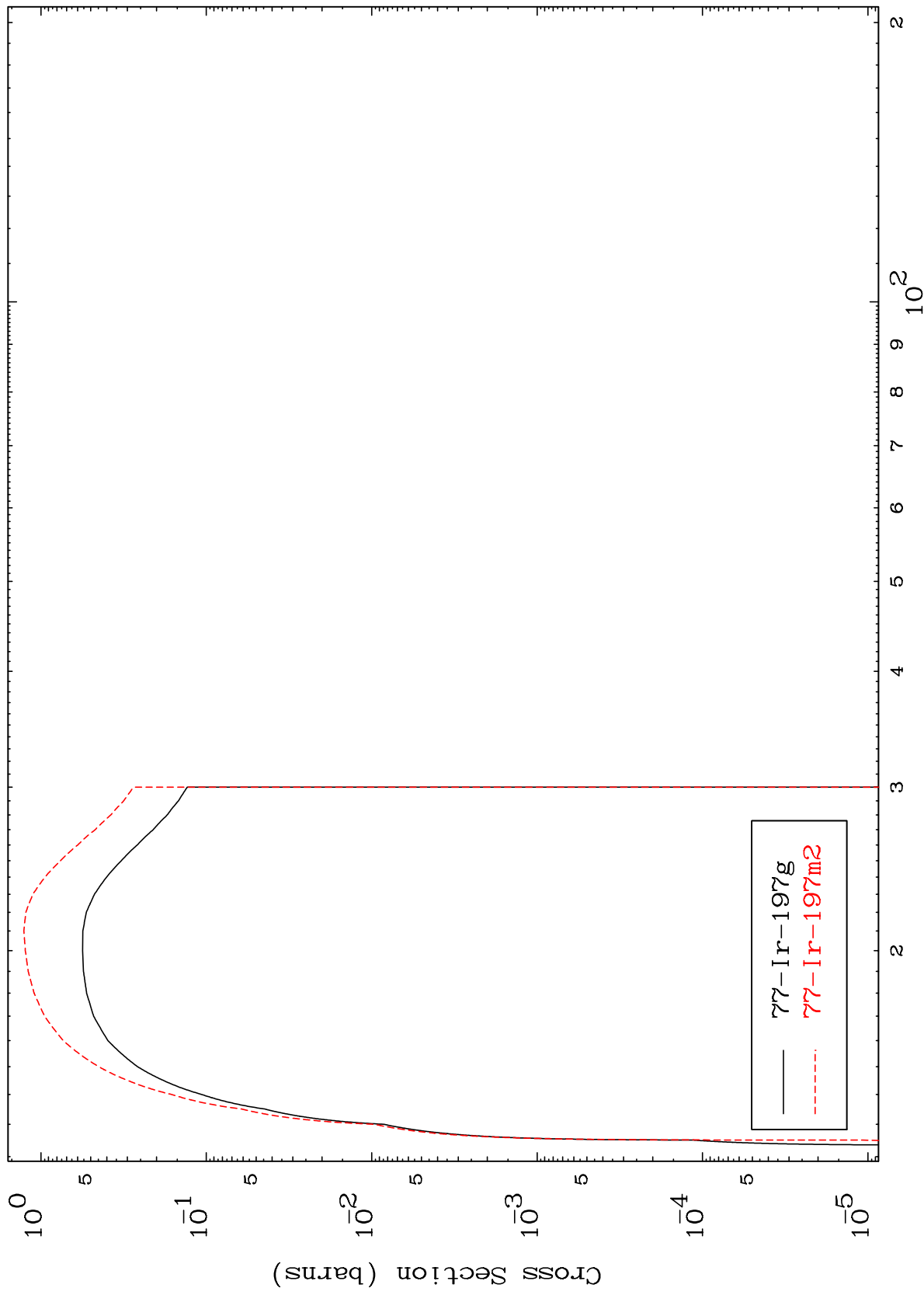
77-Ir-199



MAT 7749

77-Ir-199

(n,3n)
Radionuclide Production Cross Section



140

Incident Energy (MeV)

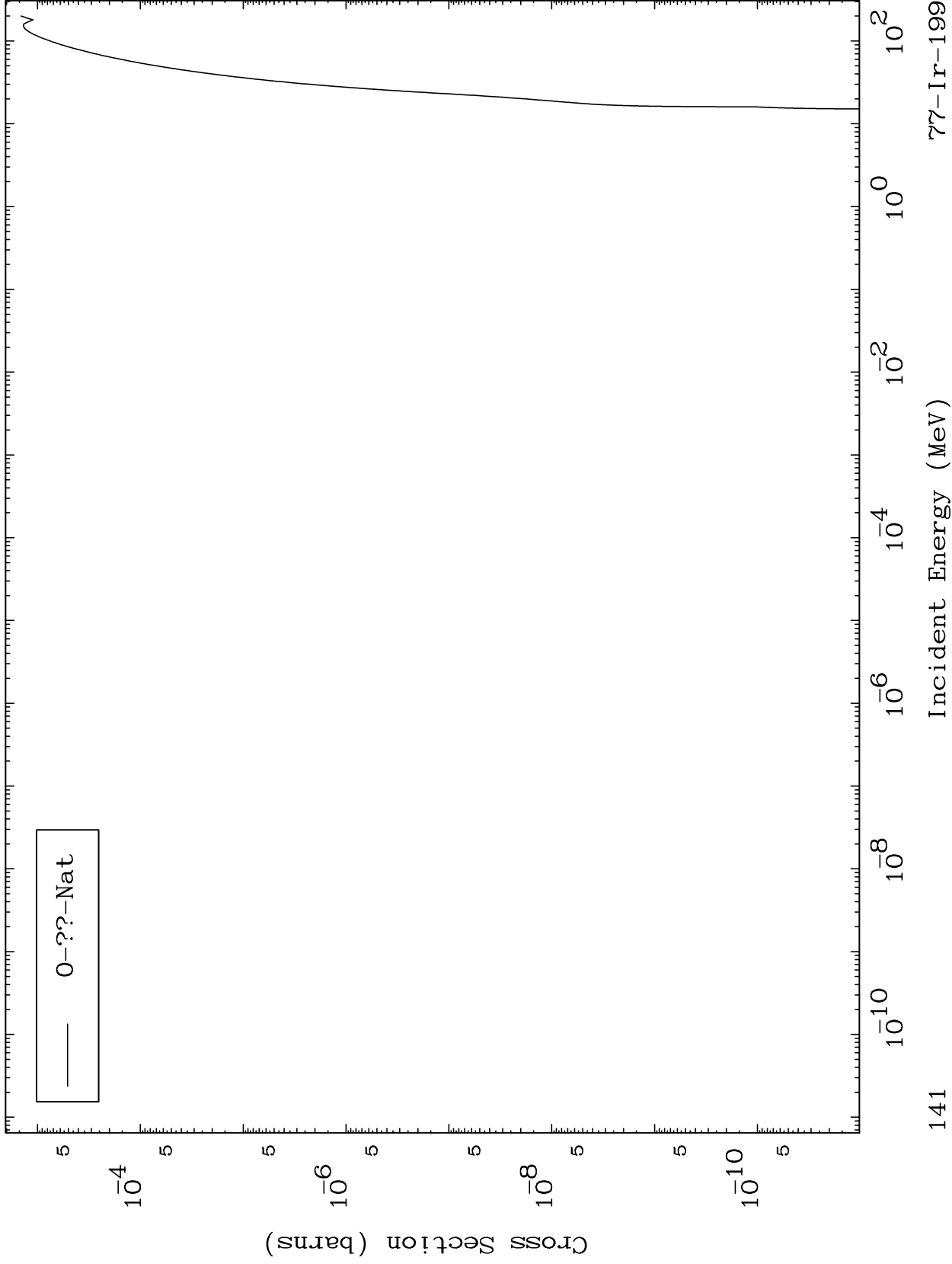
77-Ir-199

MAT 7749

Fission

⁷⁷Ir-199

Radionuclide Production Cross Section



141

Incident Energy (MeV)

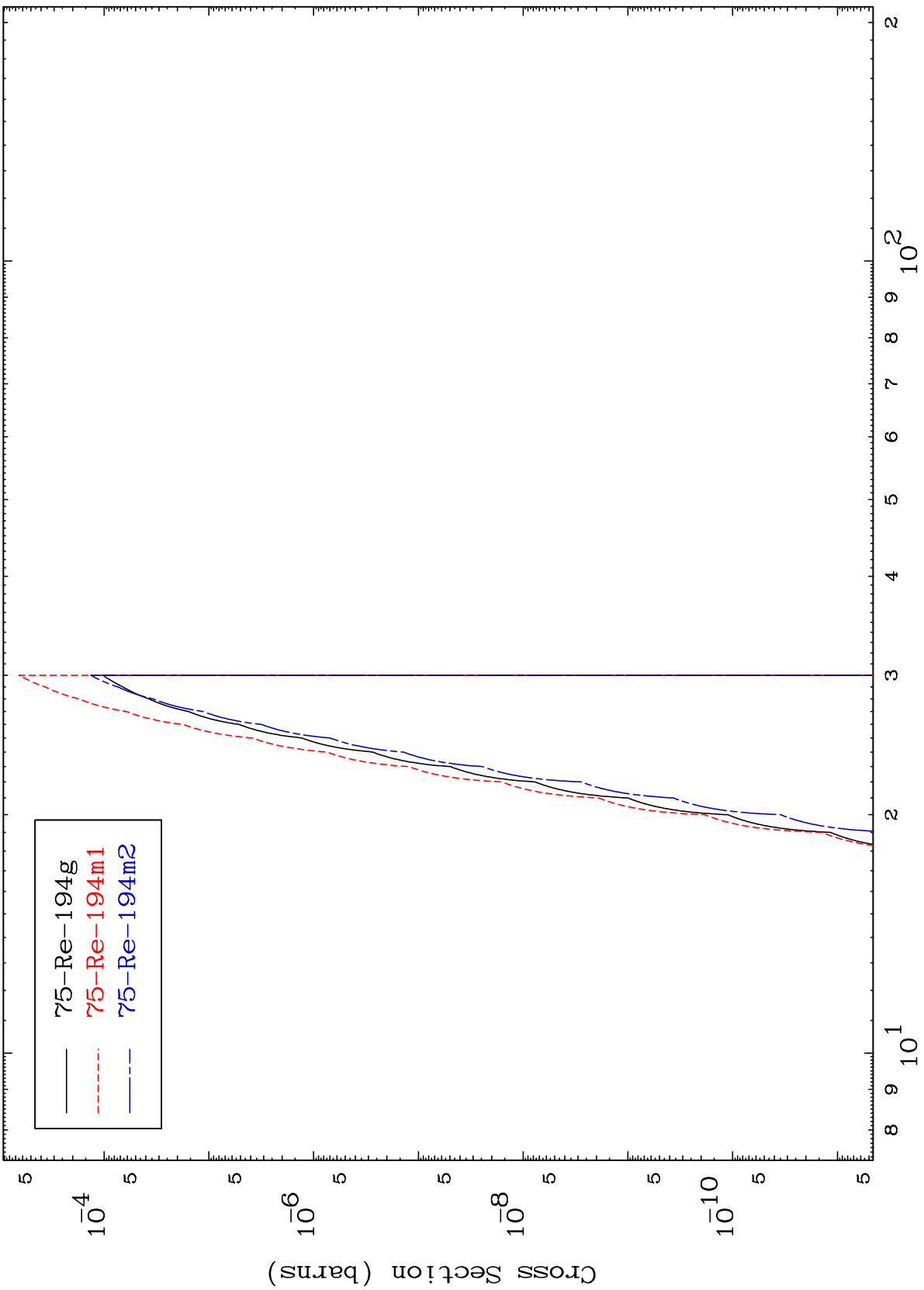
⁷⁷Ir-199

MAT 7749

$(n,2n) \alpha$

$^{77}\text{Ir-199}$

Radionuclide Production Cross Section



142

Incident Energy (MeV)

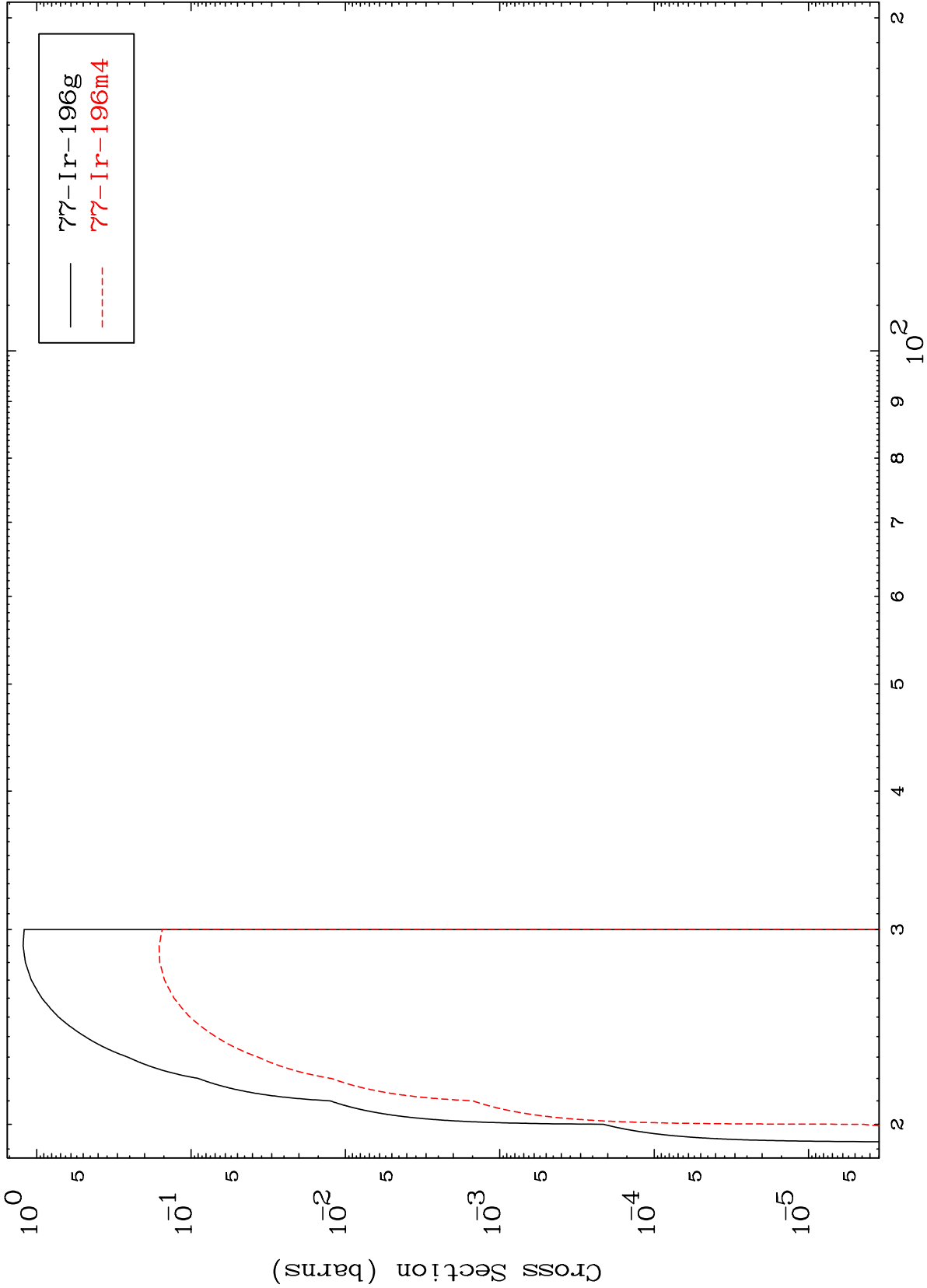
$^{77}\text{Ir-199}$

MAT 7749

(n,4n)

77-Ir-199

Radionuclide Production Cross Section



143

Incident Energy (MeV)

77-Ir-199