

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

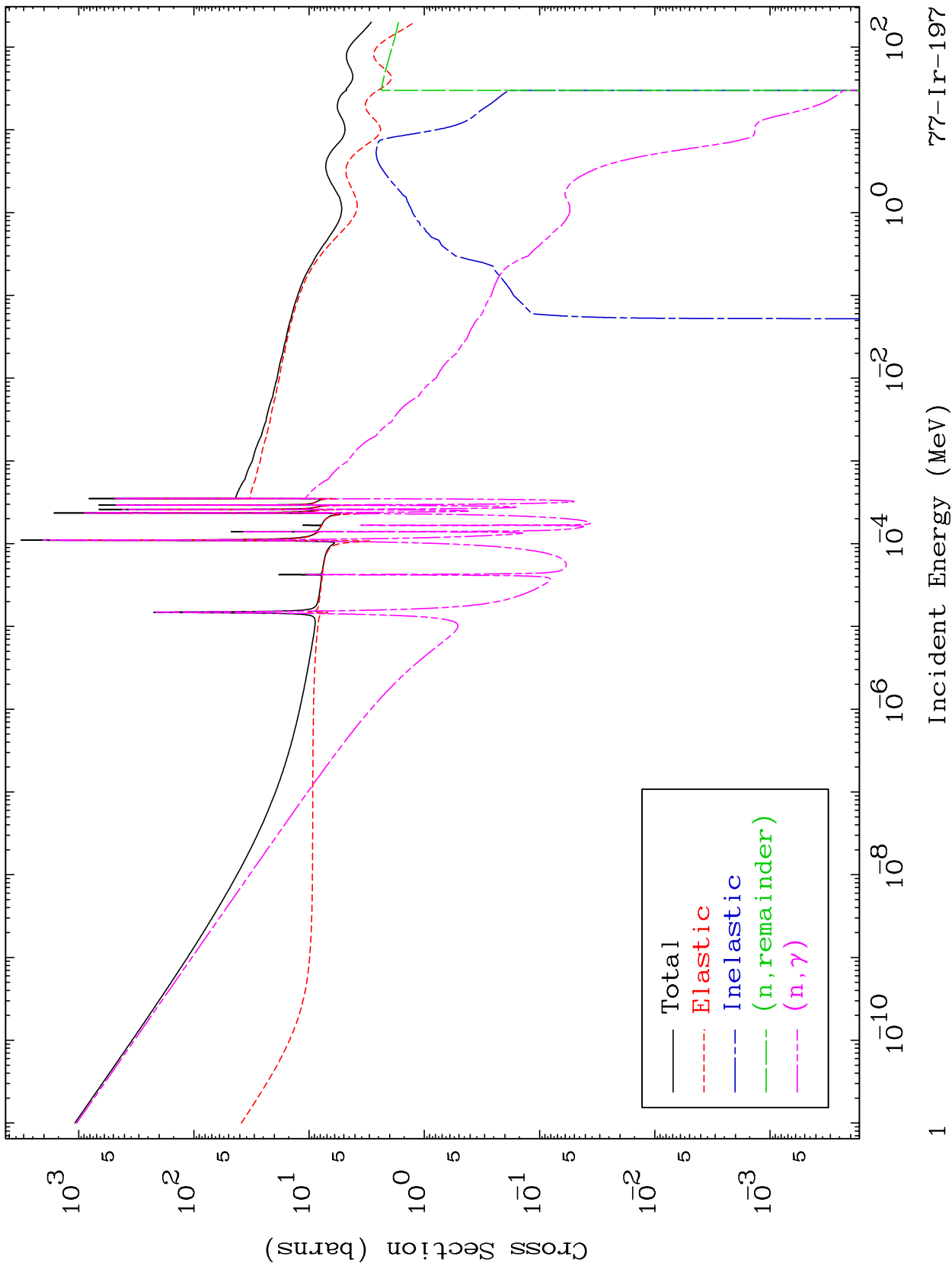
Press Mouse Button to Start

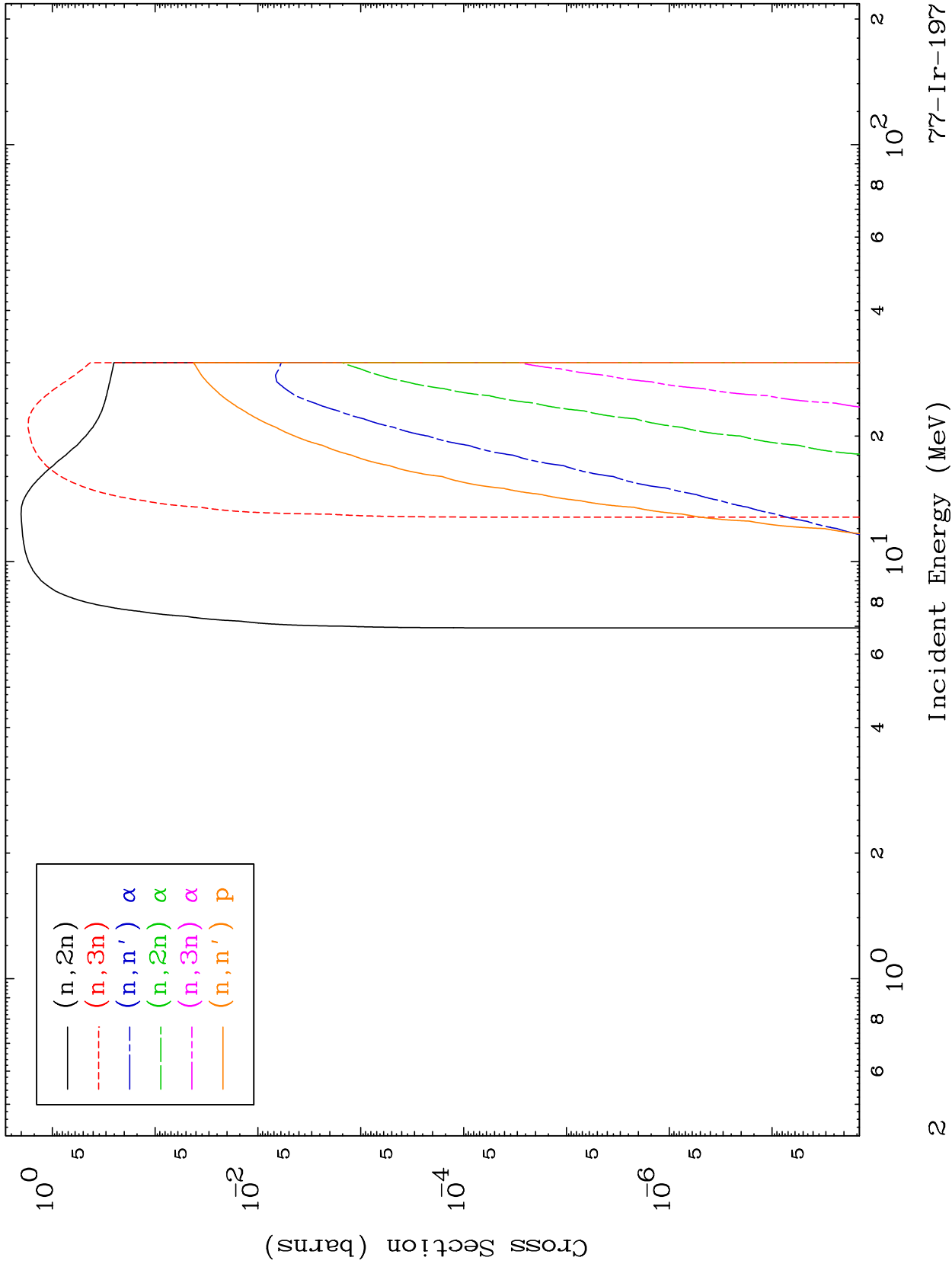
MAT 7743

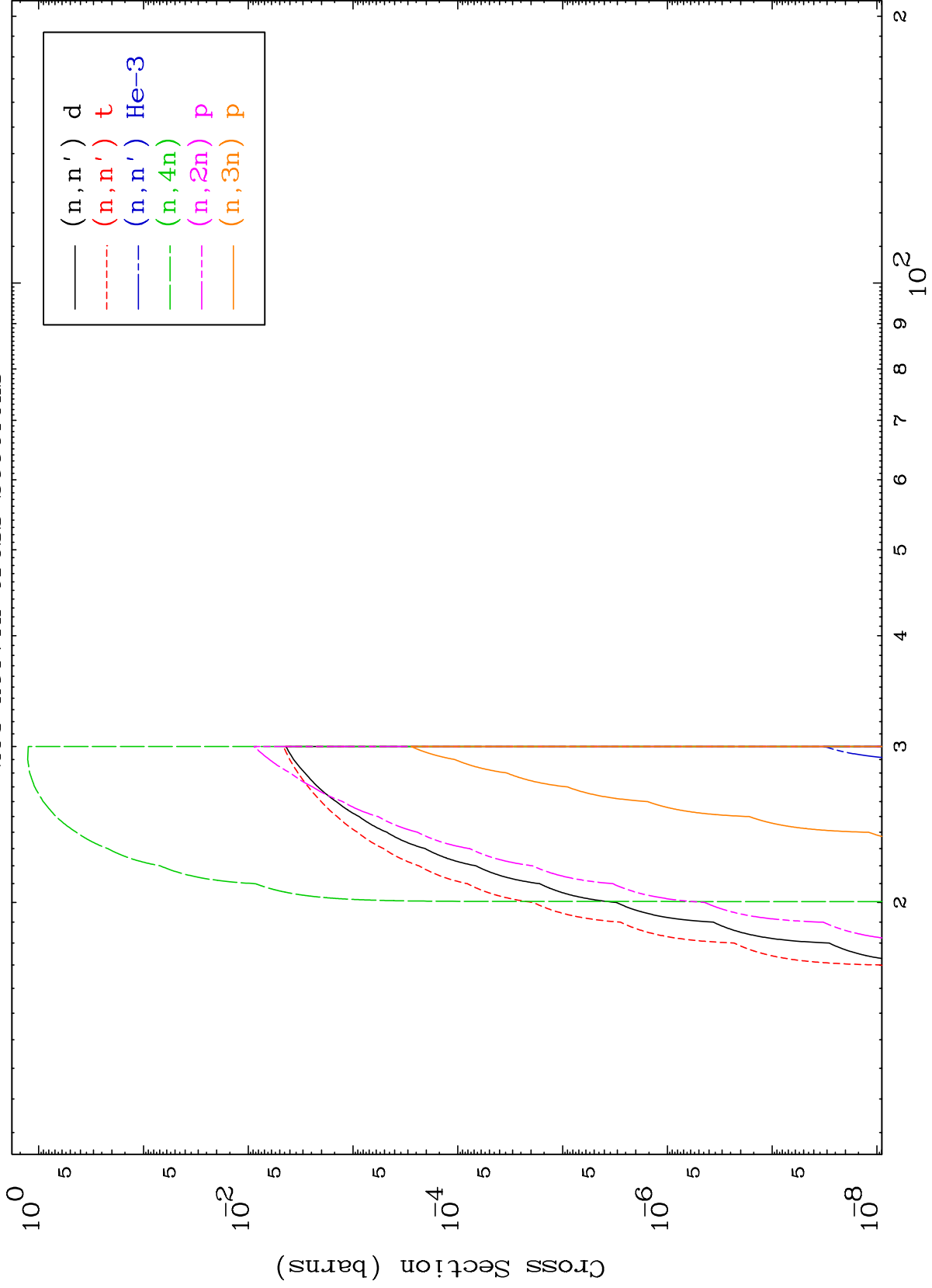
Major

293 Kelvin Cross Sections

77-Ir-197





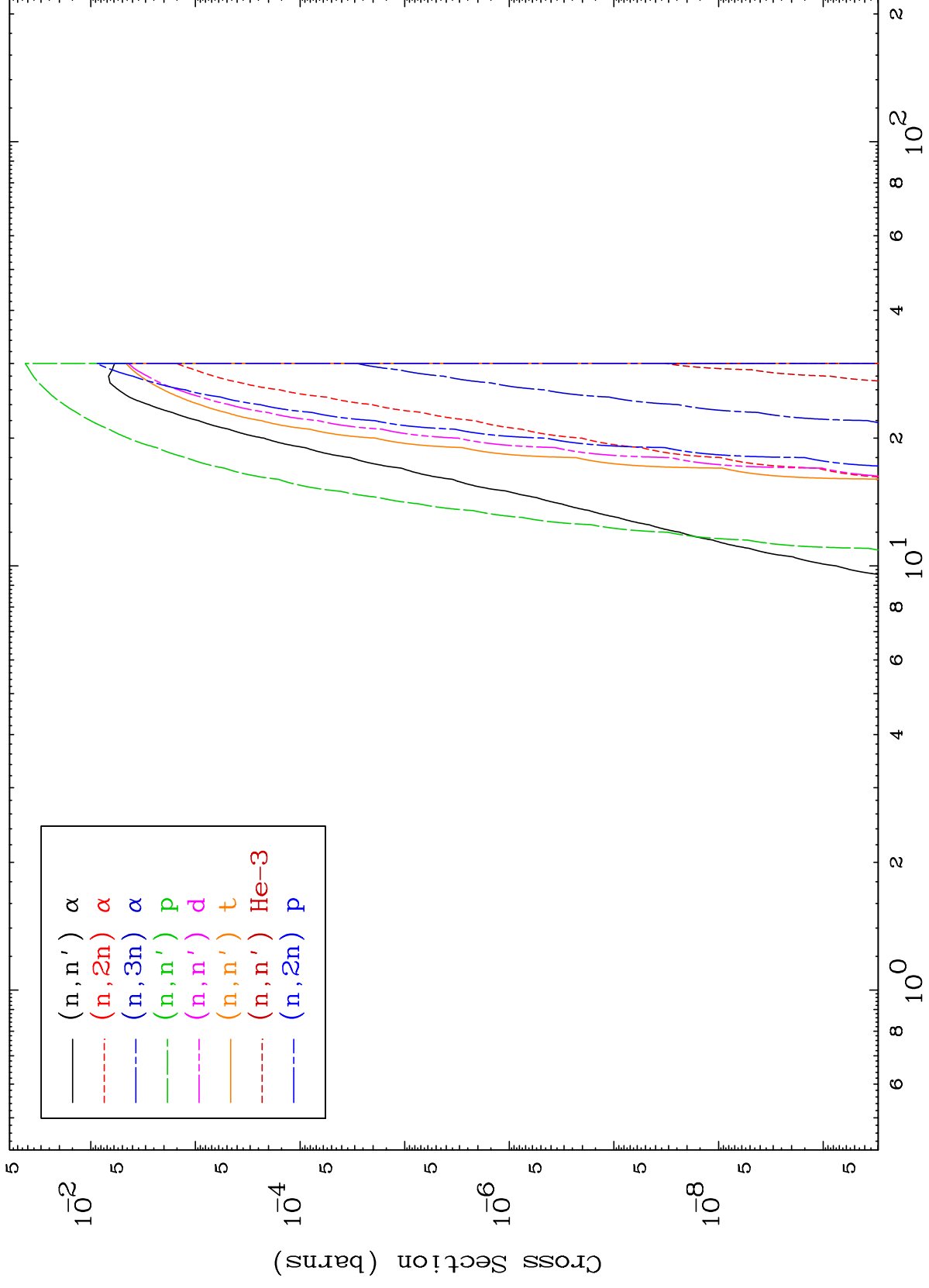


MAT 7743

Charged Particle

77-Ir-197

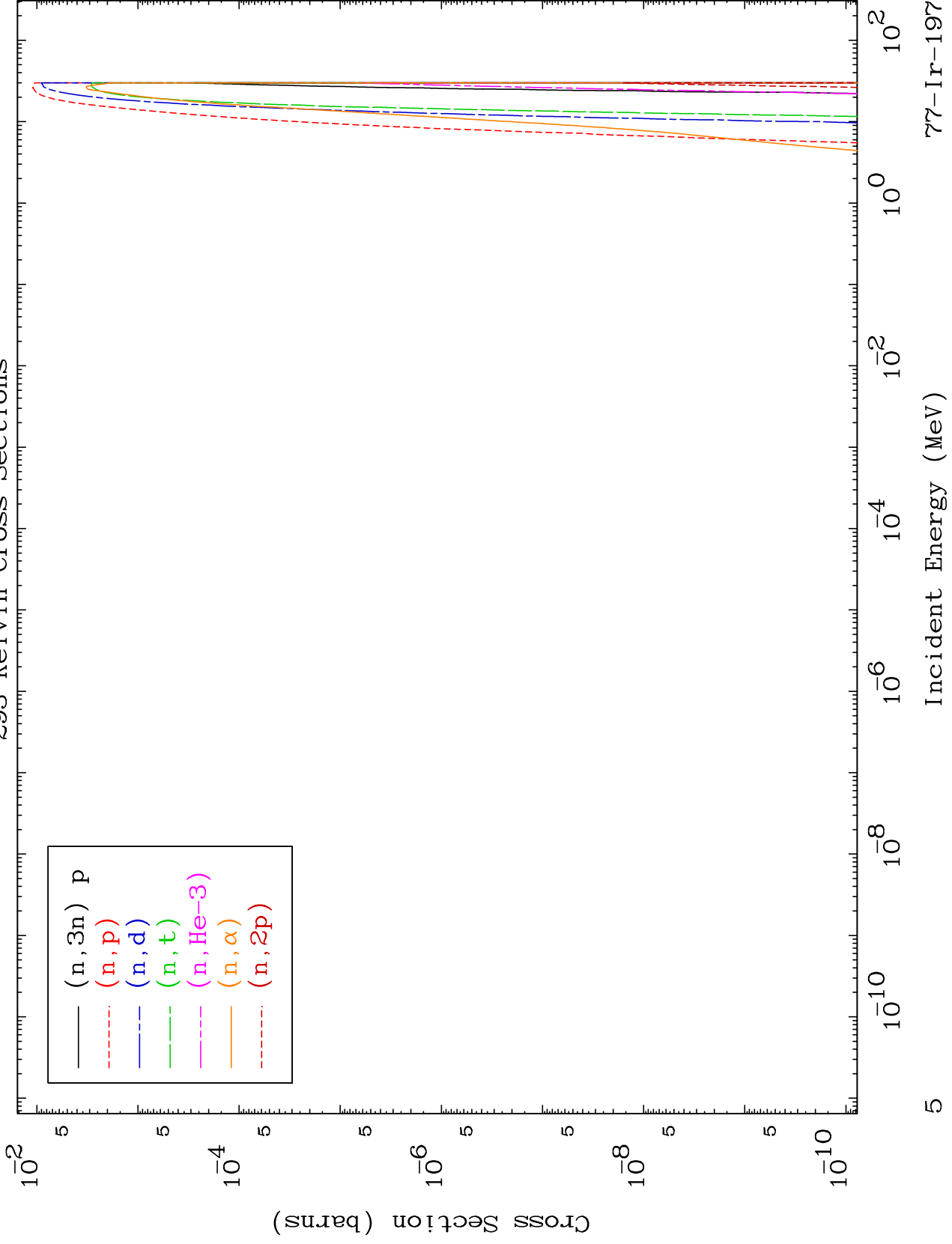
293 Kelvin Cross Sections



MAT 7743

Charged Particle  
293 Kelvin Cross Sections

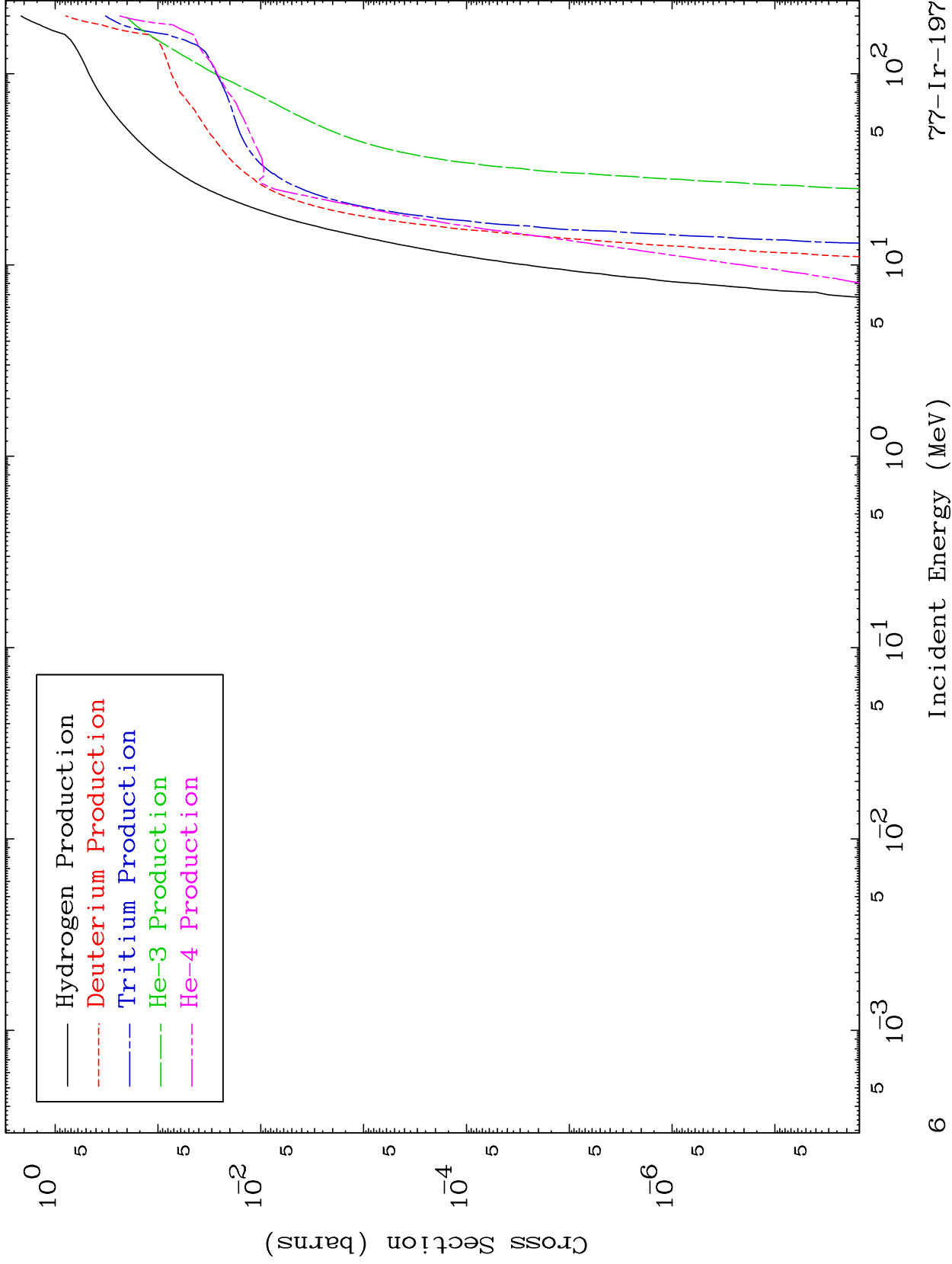
77-Ir-197



MAT 7743

Particle Production  
293 Kelvin Cross Sections

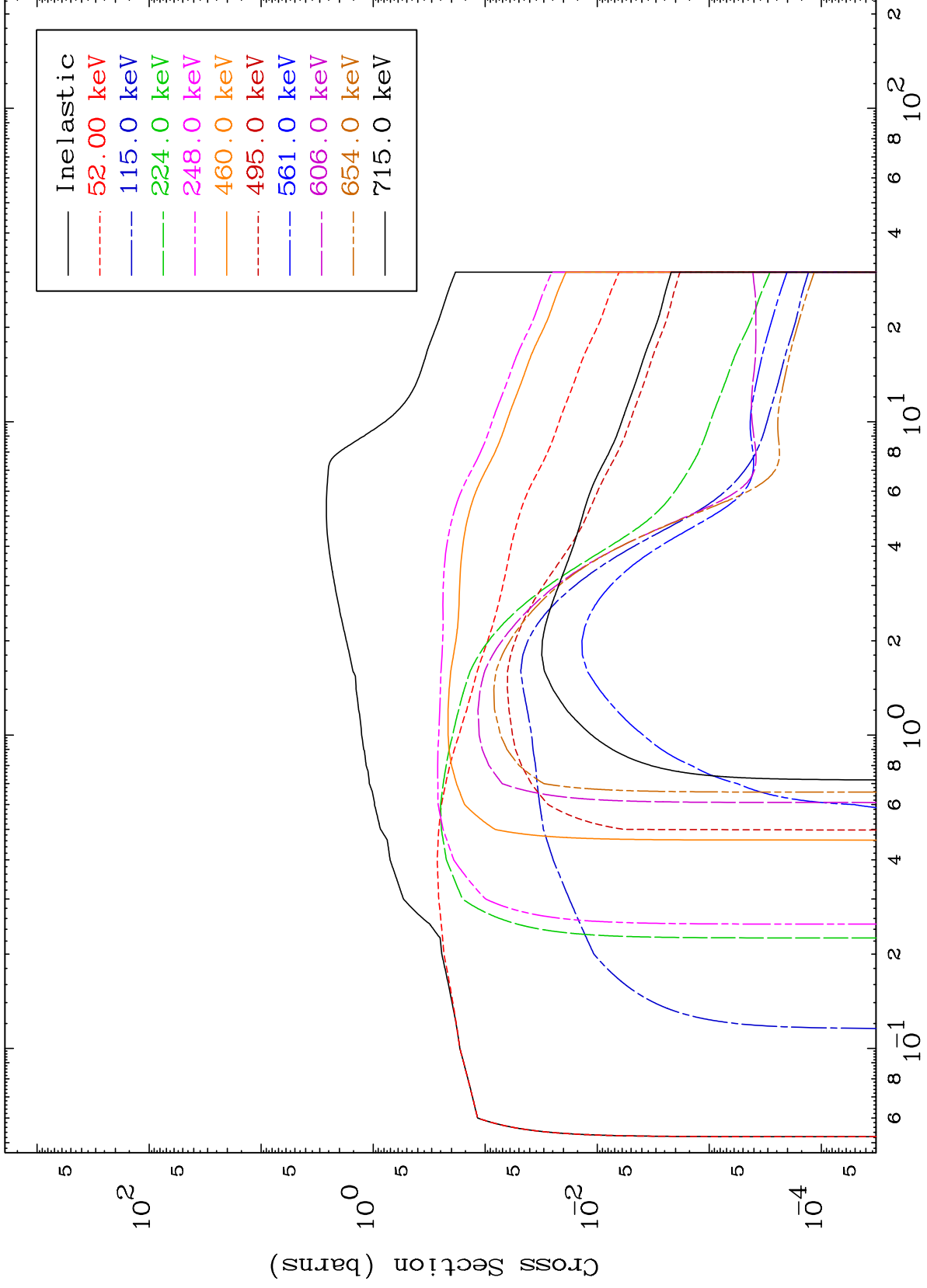
77-Ir-197



MAT 7743

(n,n') Level  
293 Kelvin Cross Sections

77-Ir-197

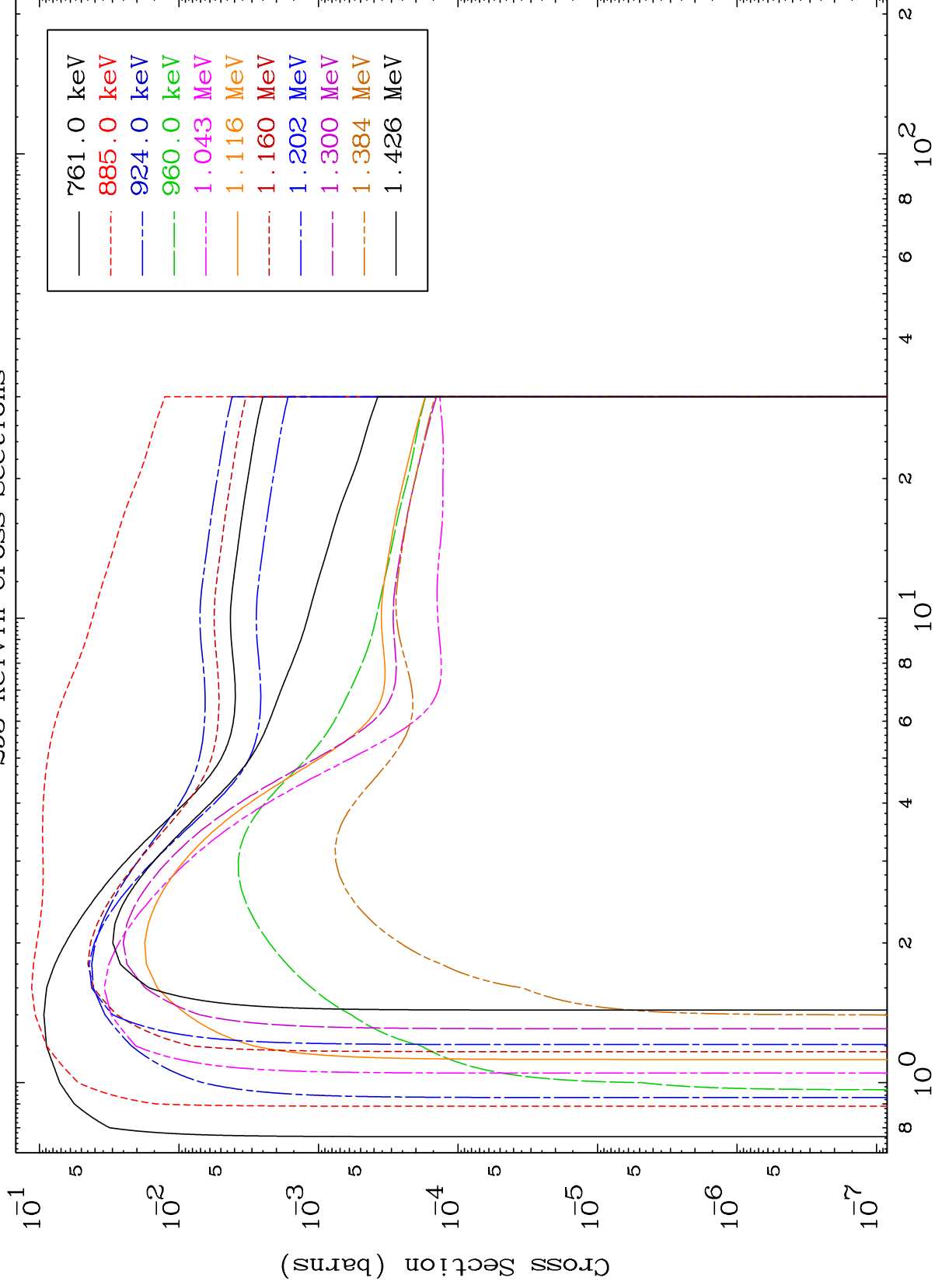




MAT 7743

(n,n') Level  
293 Kelvin Cross Sections

77-Ir-197



Incident Energy (MeV)

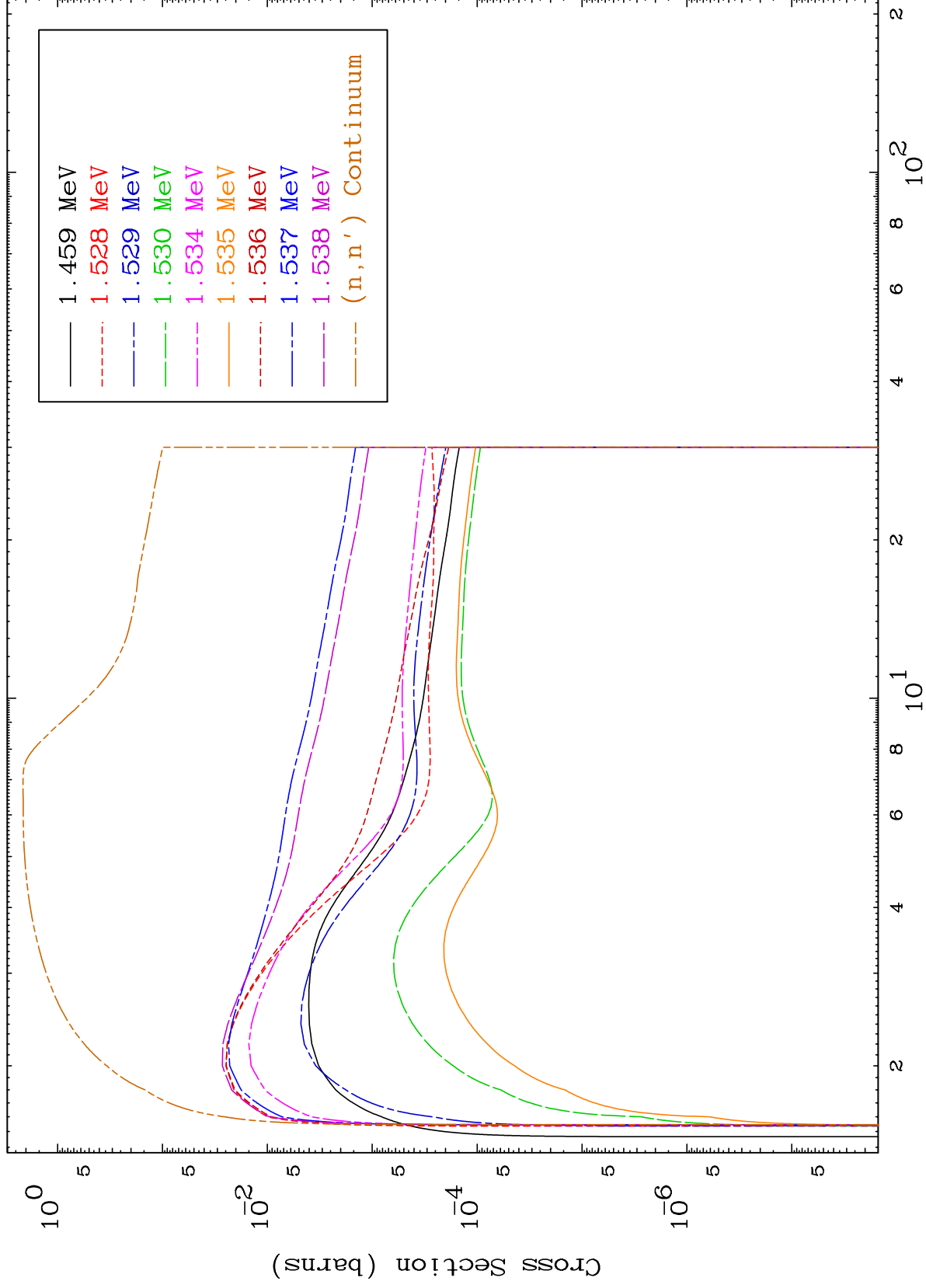
77-Ir-197

MAT 7743

(n,n') Level

77-Ir-197

293 Kelvin Cross Sections



9

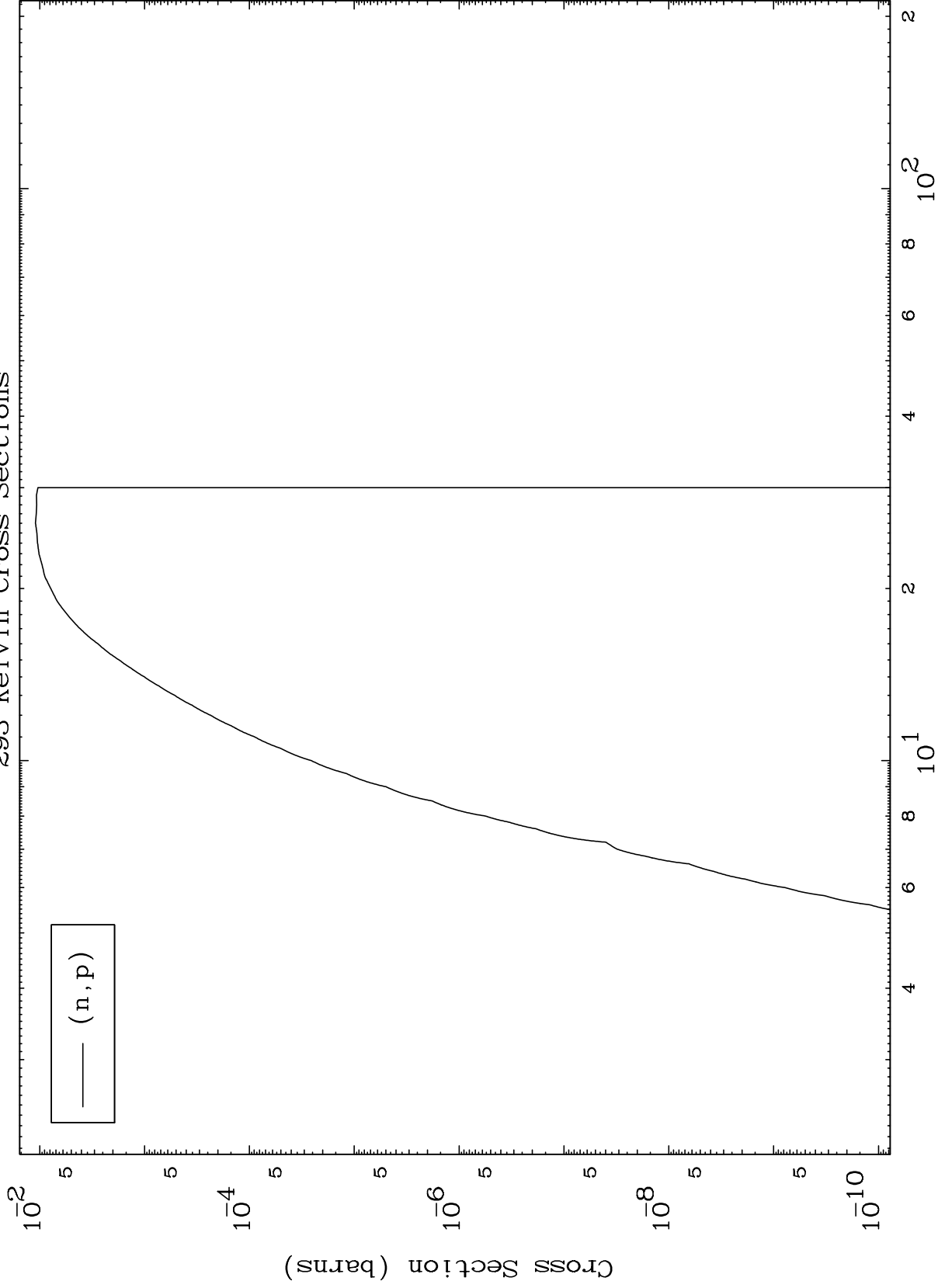
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-197



10

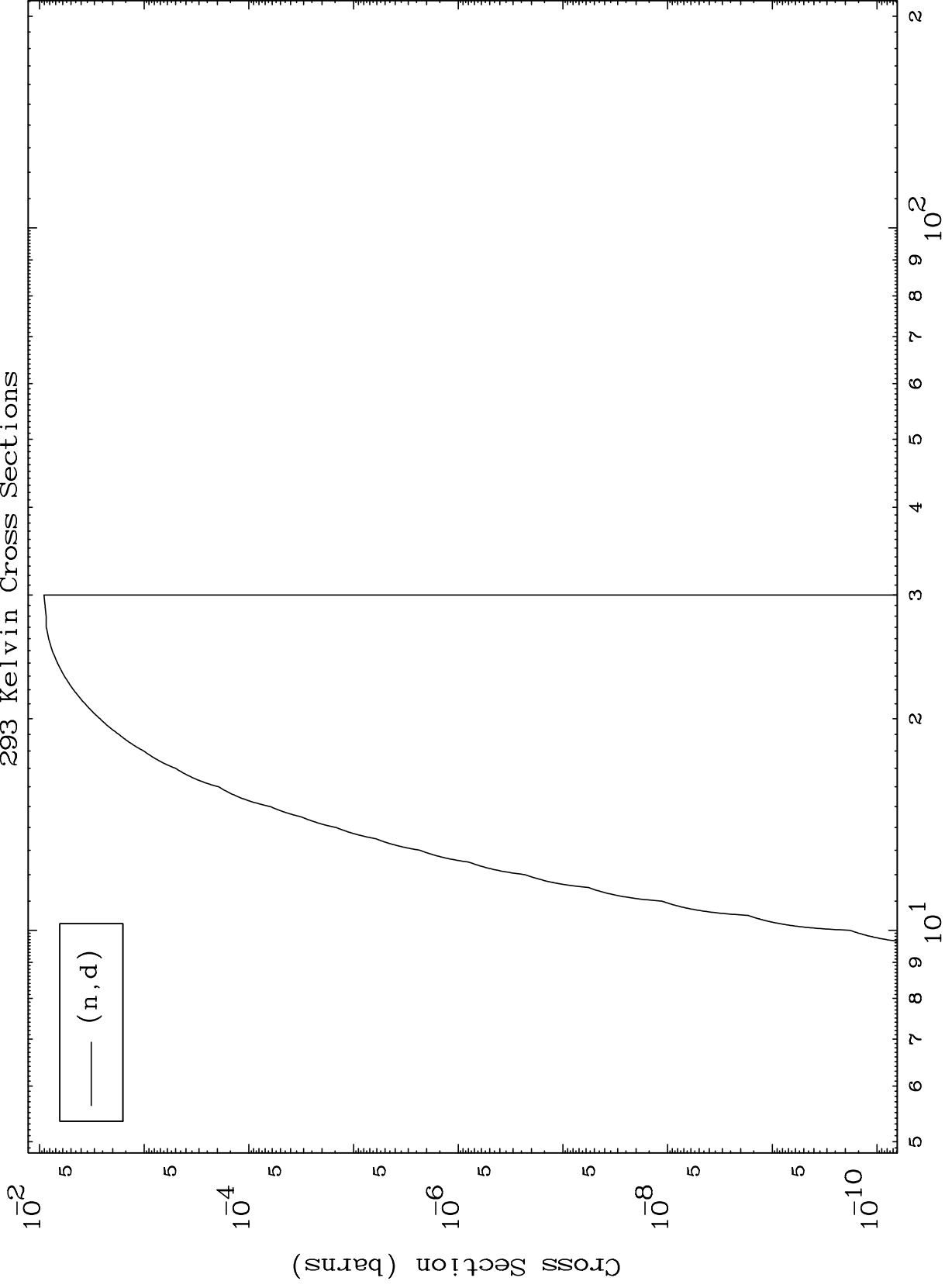
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-197



11

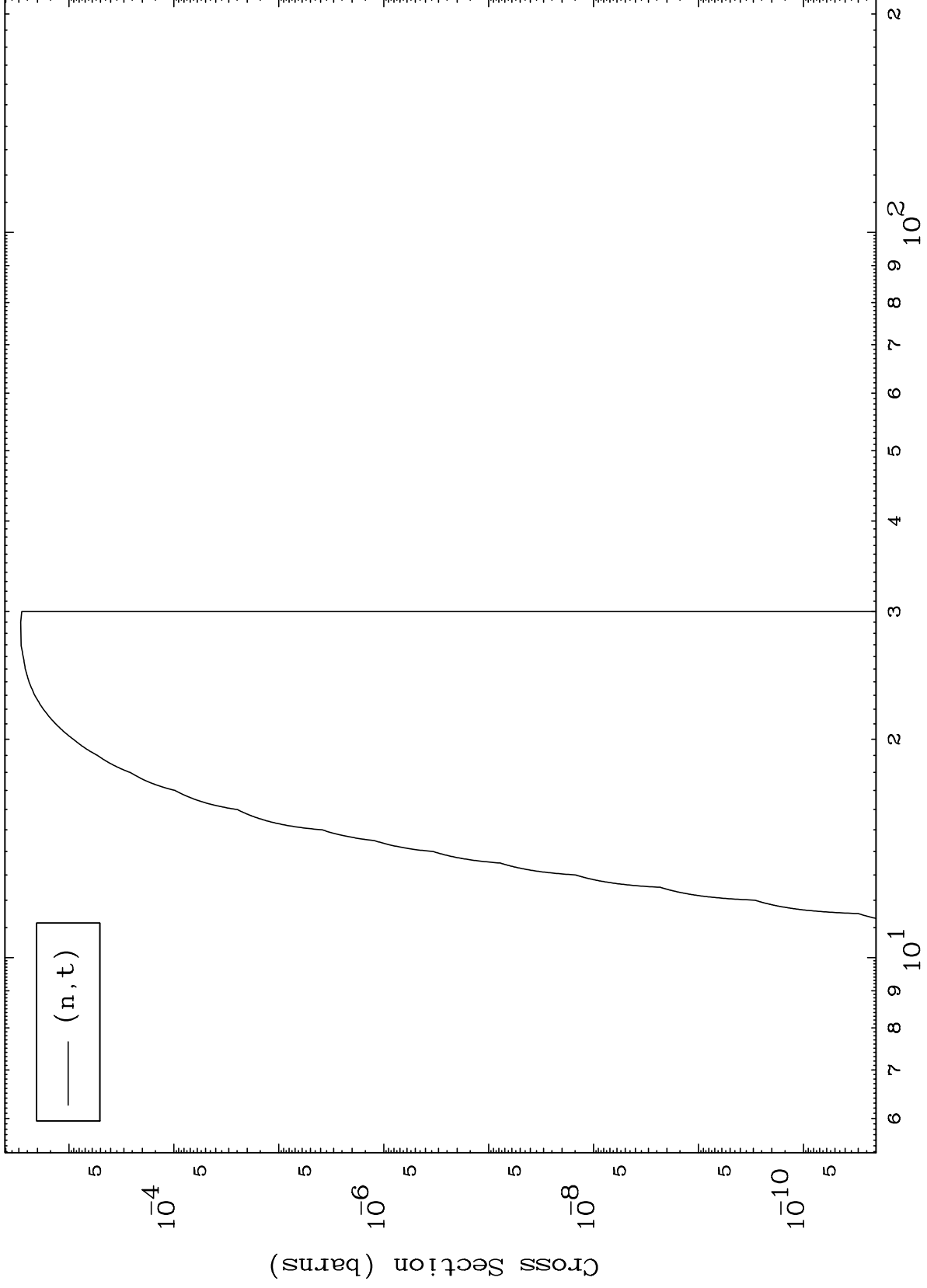
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n, t) Levels  
293 Kelvin Cross Sections

77-Ir-197



12

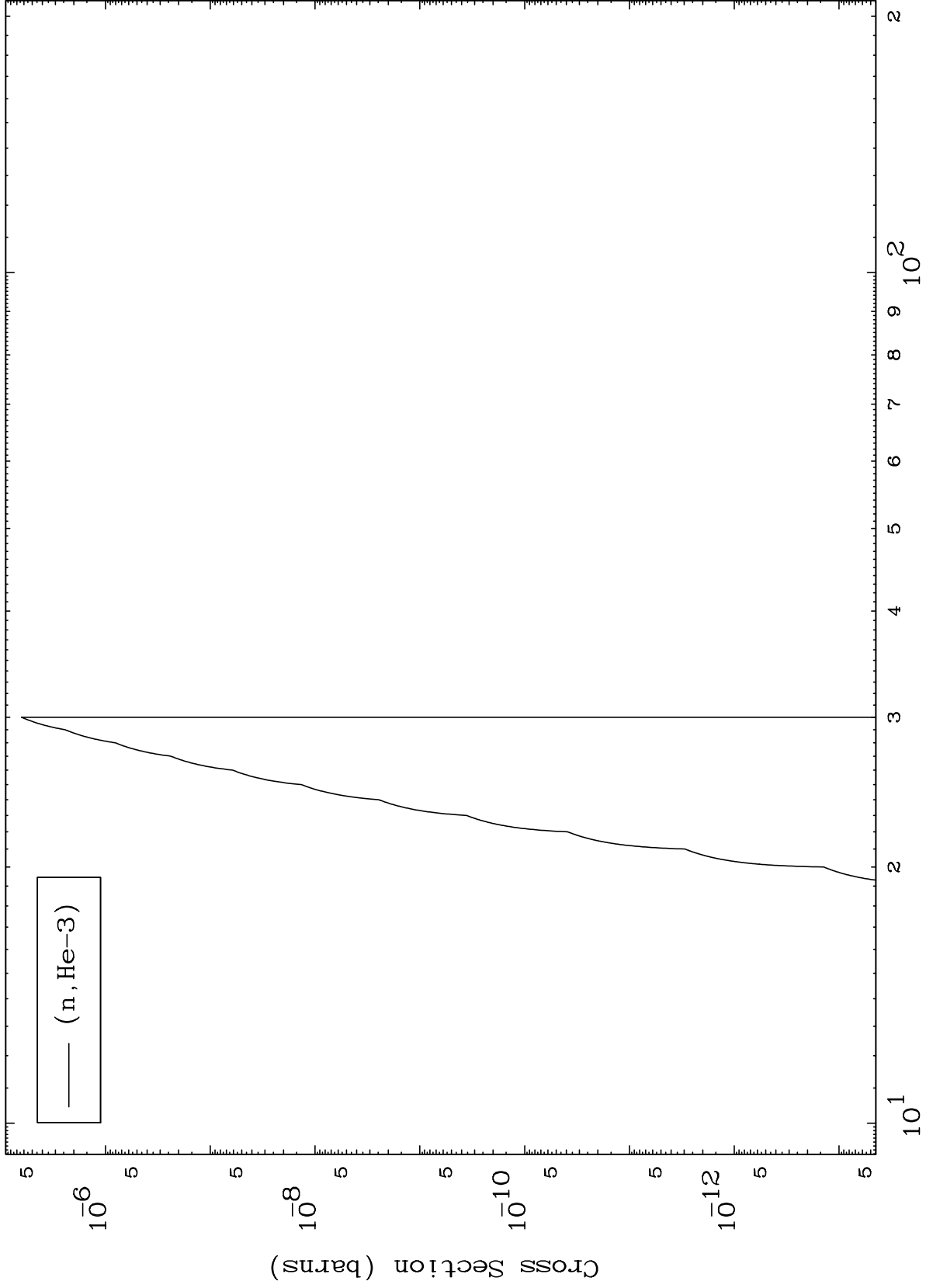
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-197



13

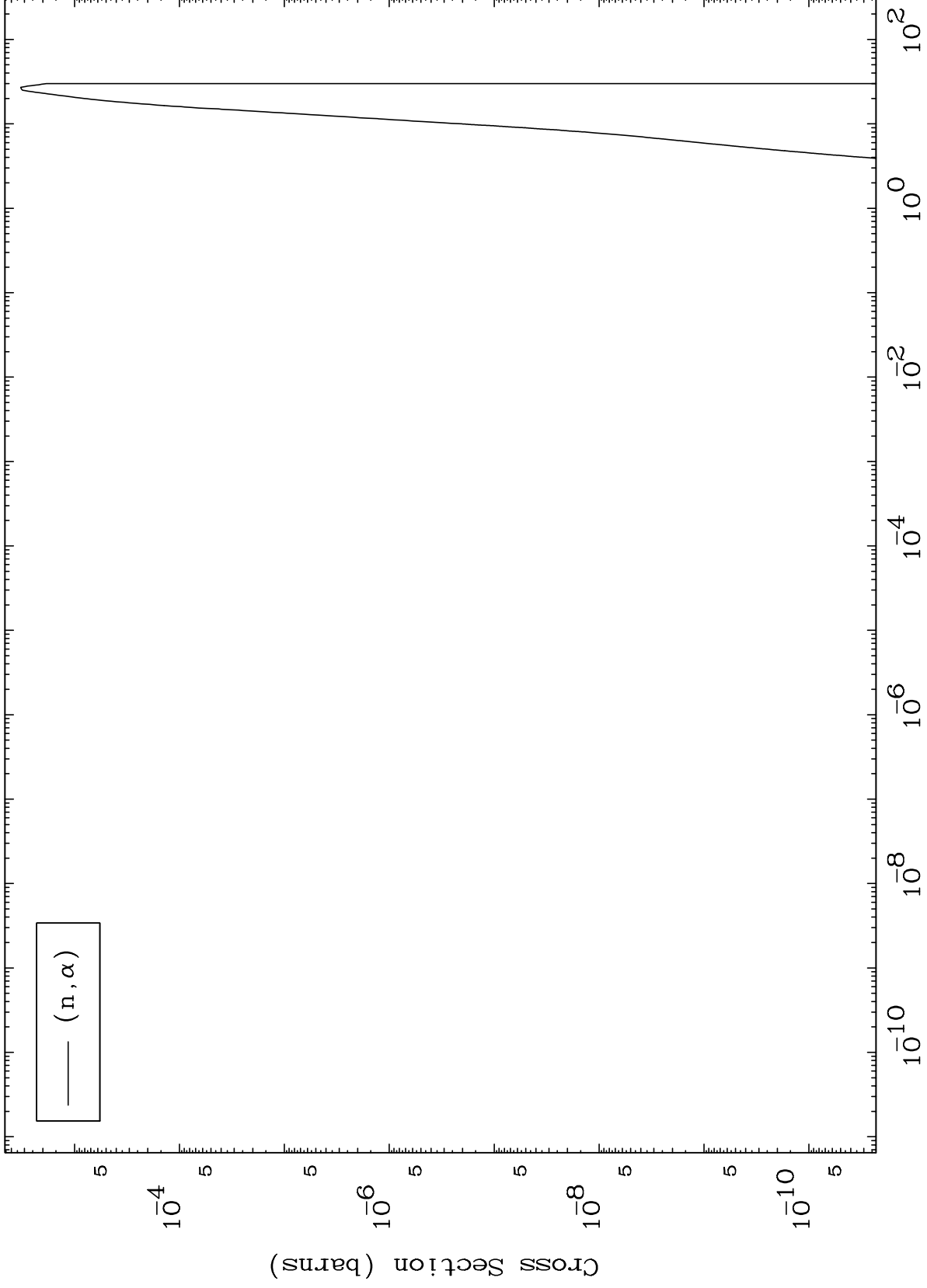
Incident Energy (MeV)

77-Ir-197

MAT 7743

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

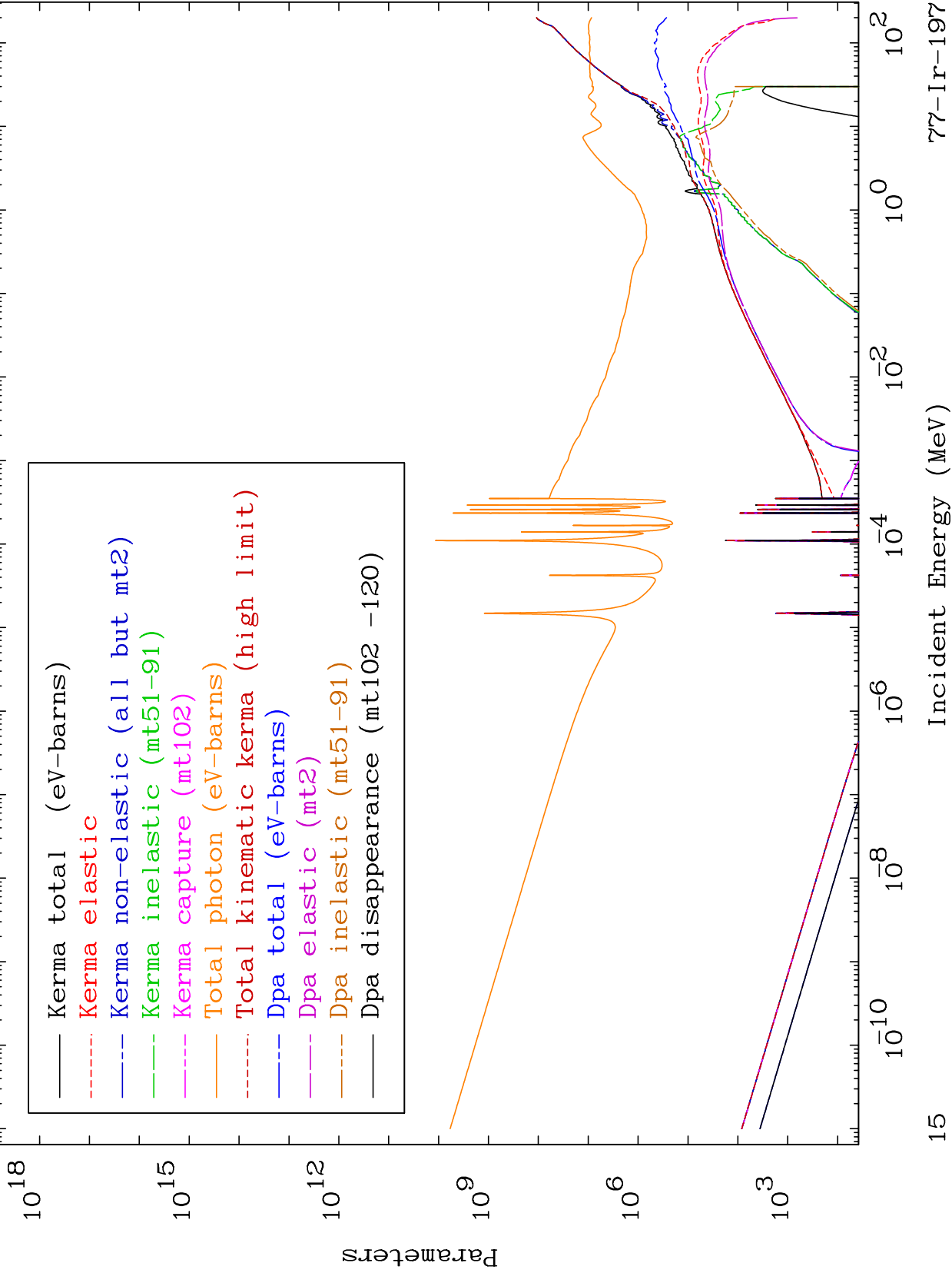
77-Ir-197



14

Incident Energy (MeV)

77-Ir-197

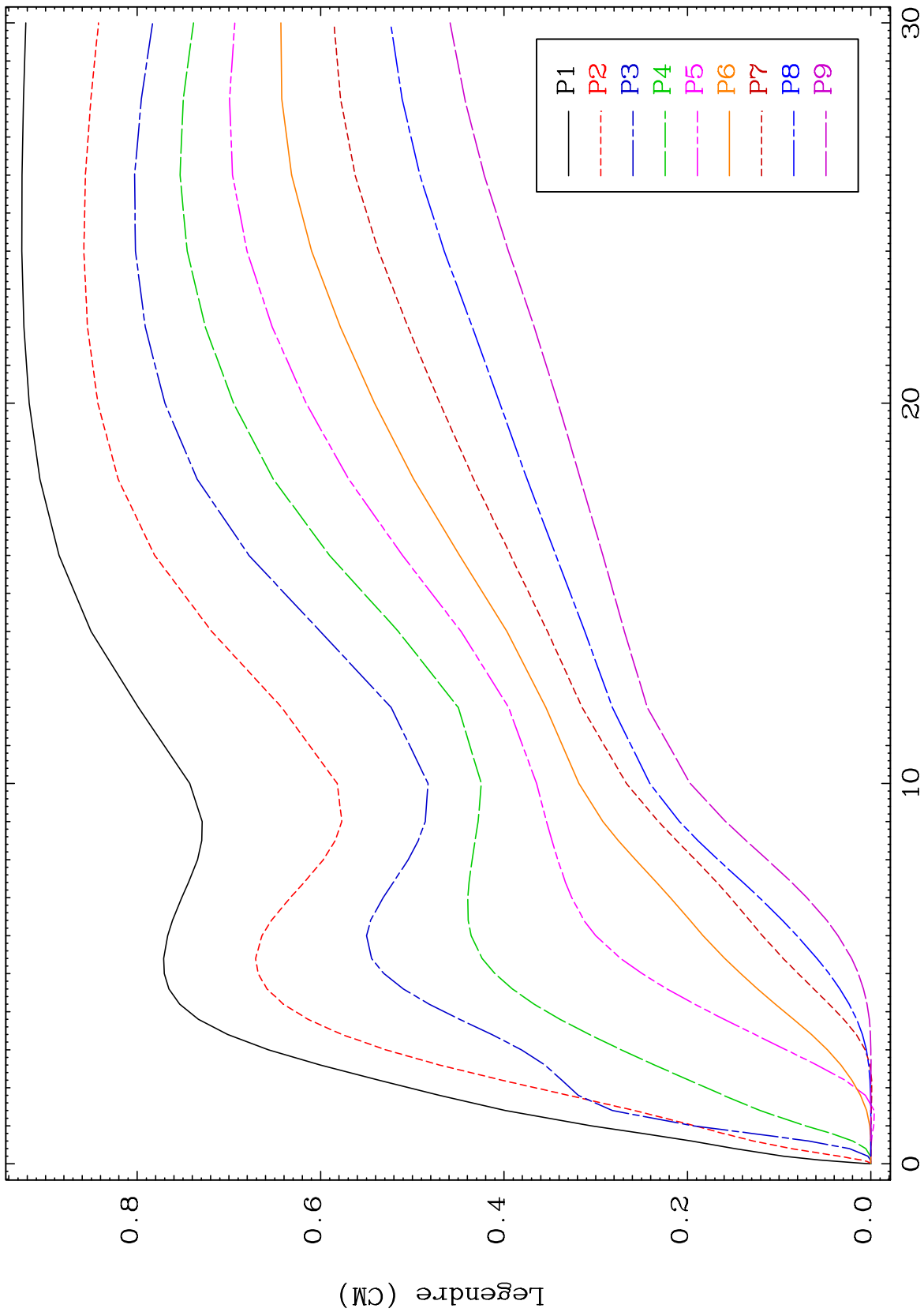




MAT 7743

77-Ir-197

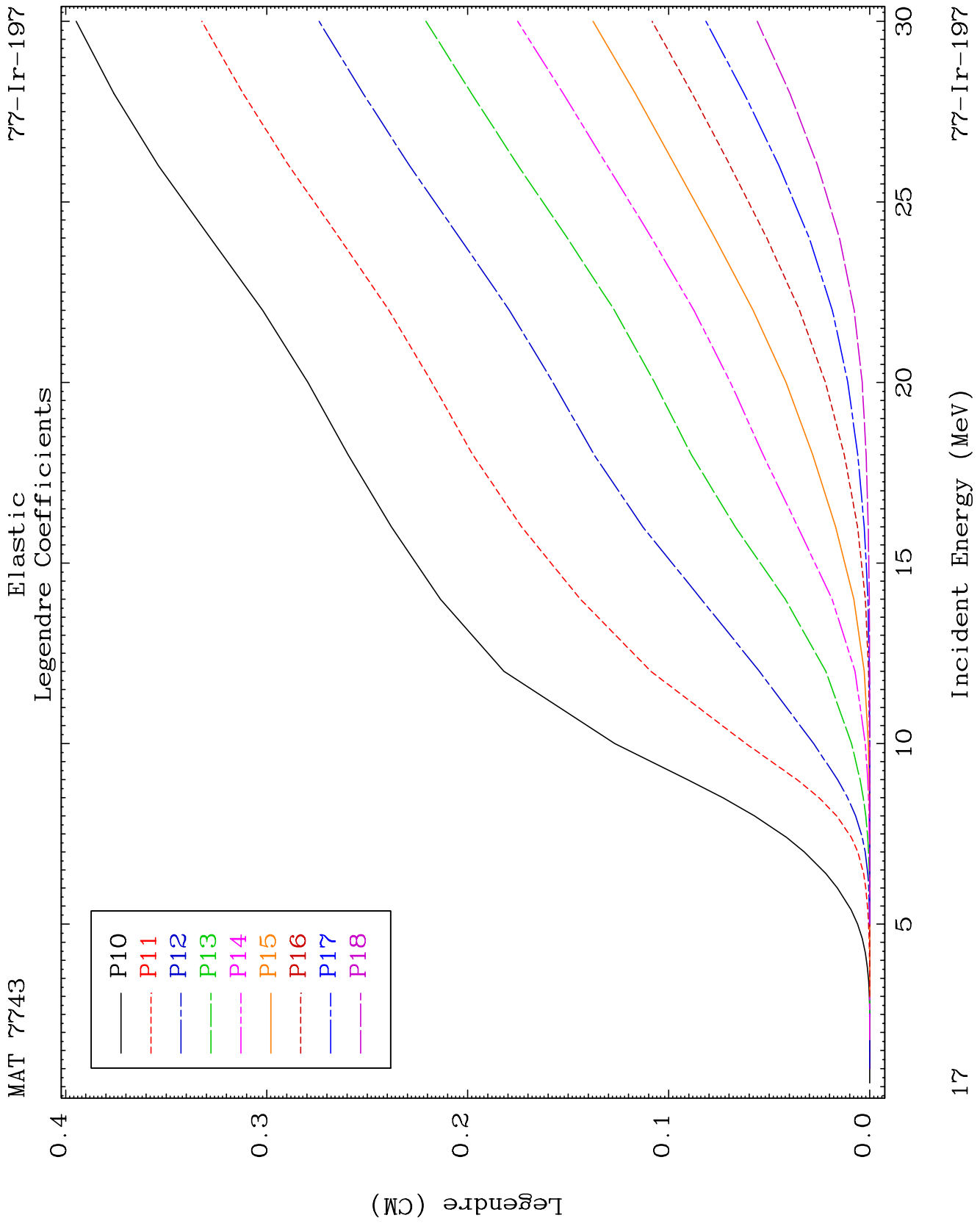
Elastic Legendre Coefficients



77-Ir-197

Incident Energy (MeV)

16



MAT 7743

Elastic Legendre Coefficients

77-Ir-197

17

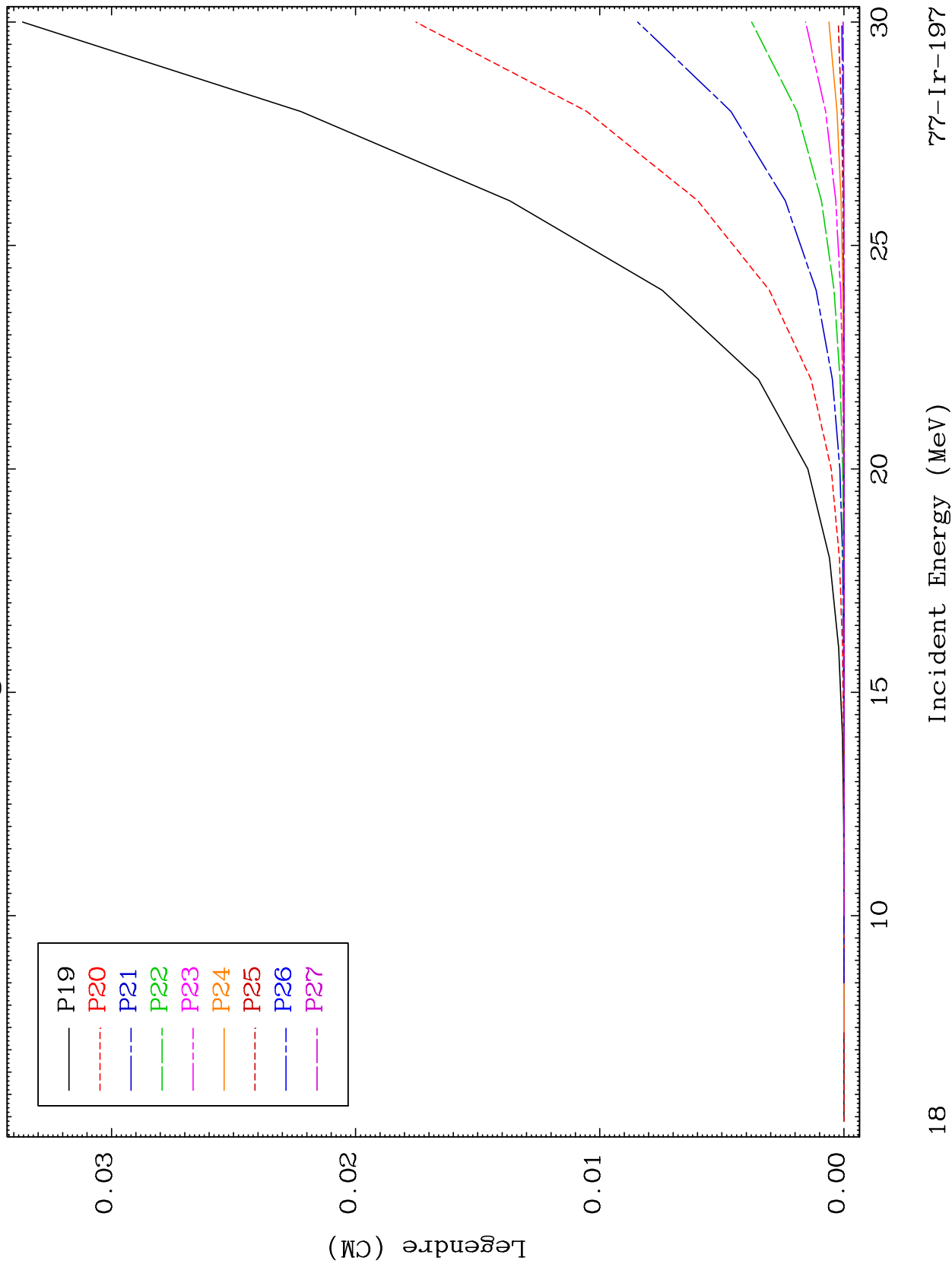
Incident Energy (MeV)

77-Ir-197

MAT 7743

### Elastic Legendre Coefficients

77-Ir-197



18

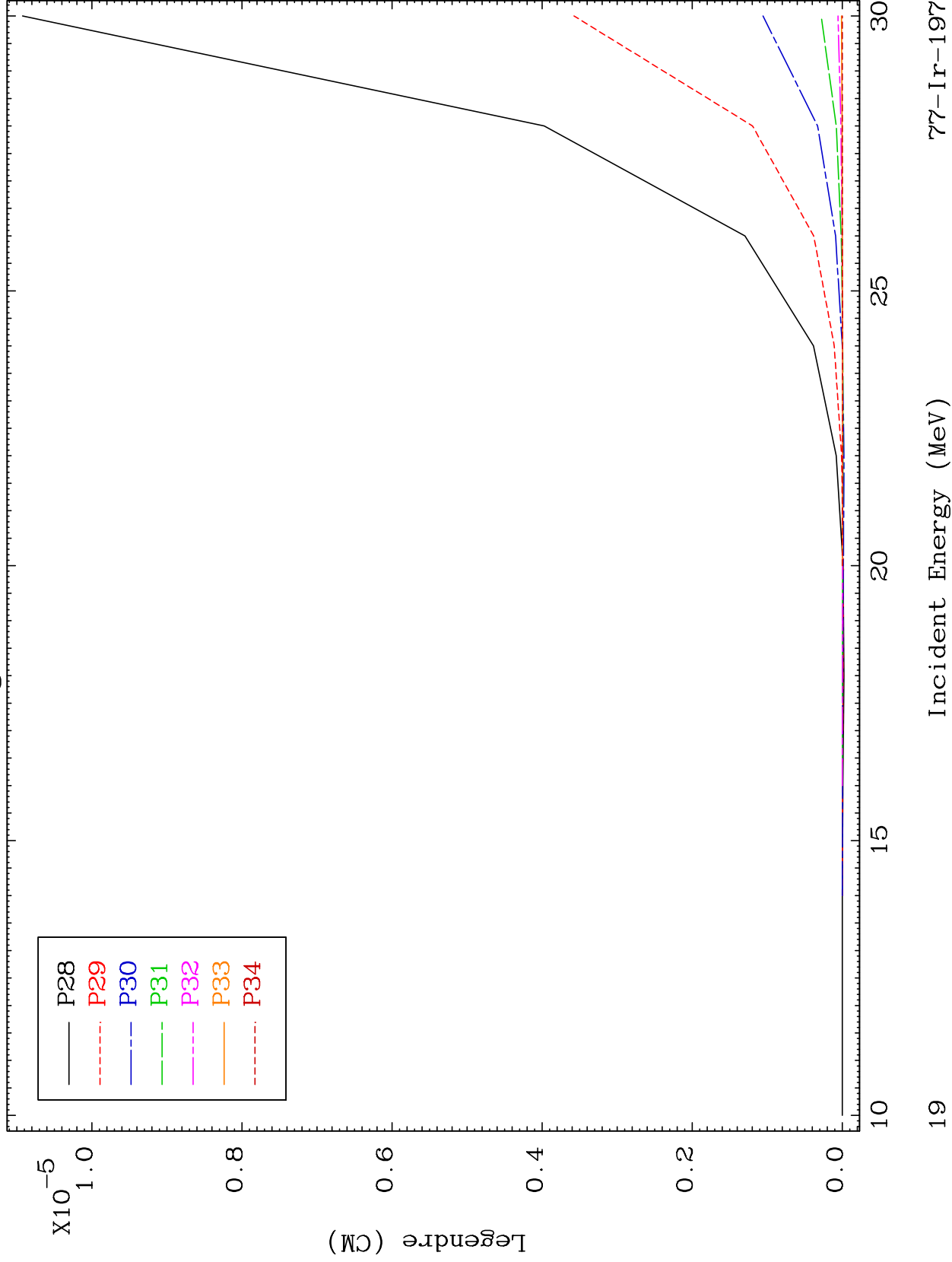
Incident Energy (MeV)

77-Ir-197

MAT 7743

Elastic Legendre Coefficients

77-Ir-197



19

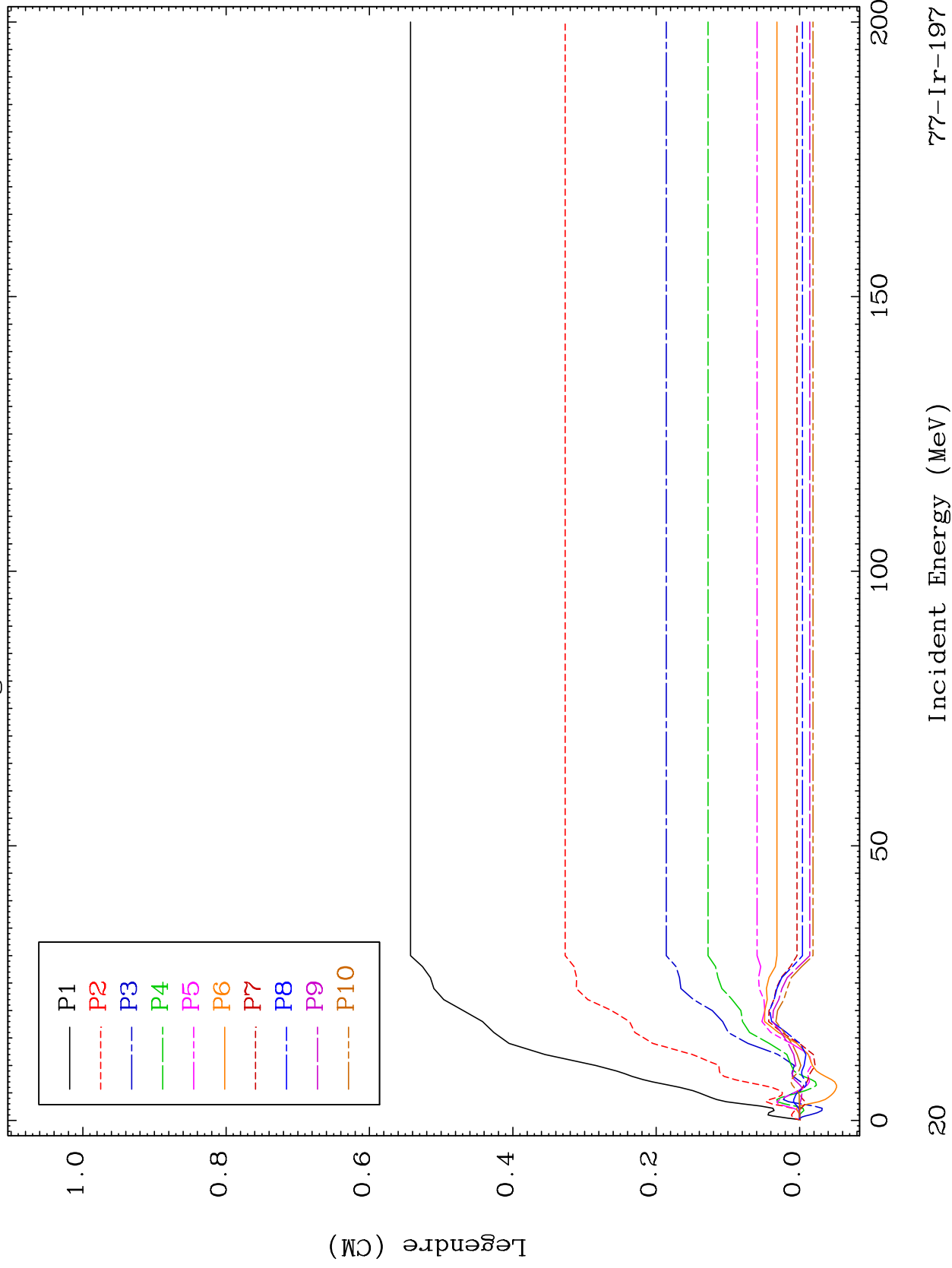
Incident Energy (MeV)

77-Ir-197

MAT 7743

52.00 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

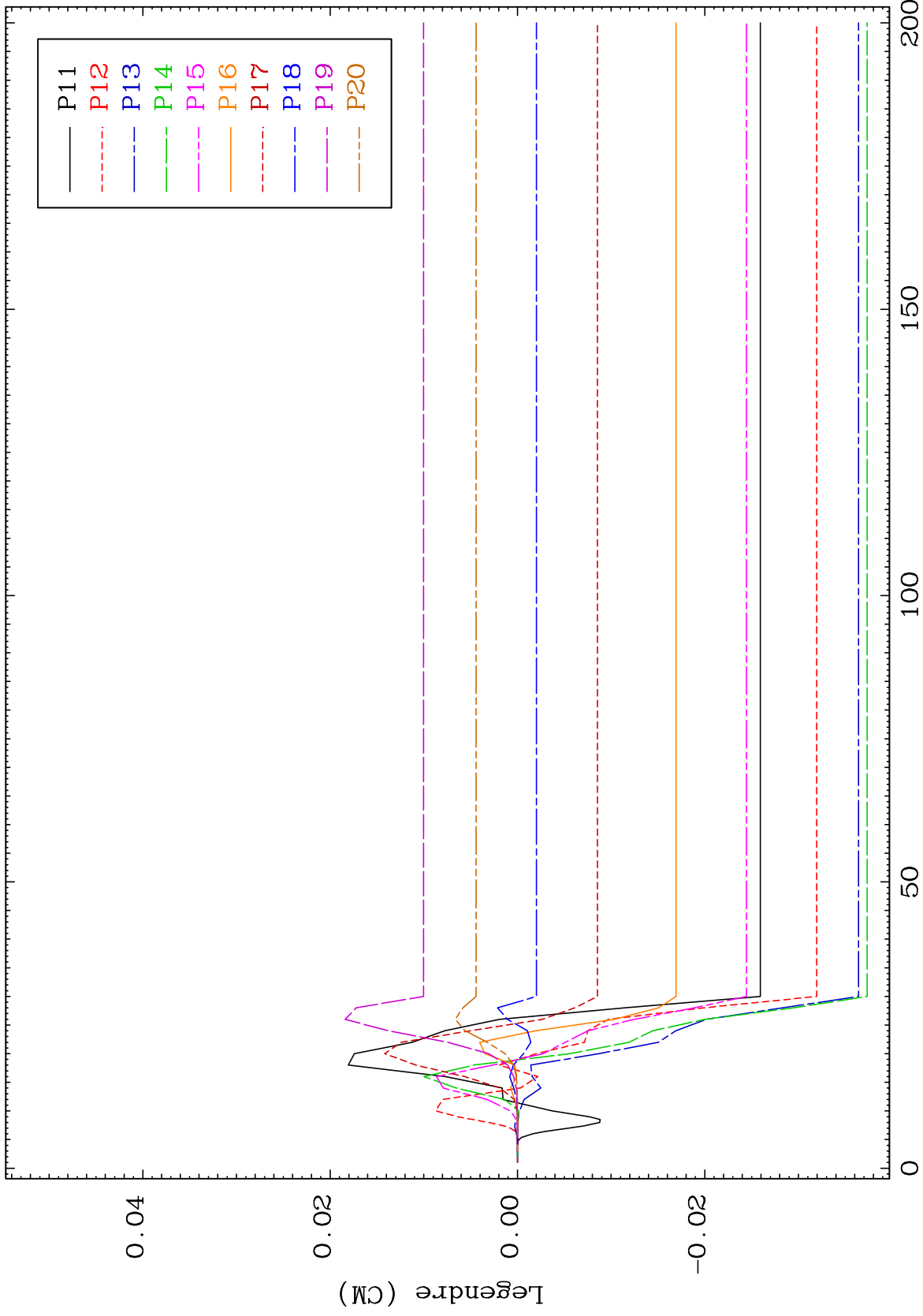
Incident Energy (MeV)

20

MAT 7743

52.00 keV (n,n') Level  
Legendre Coefficients

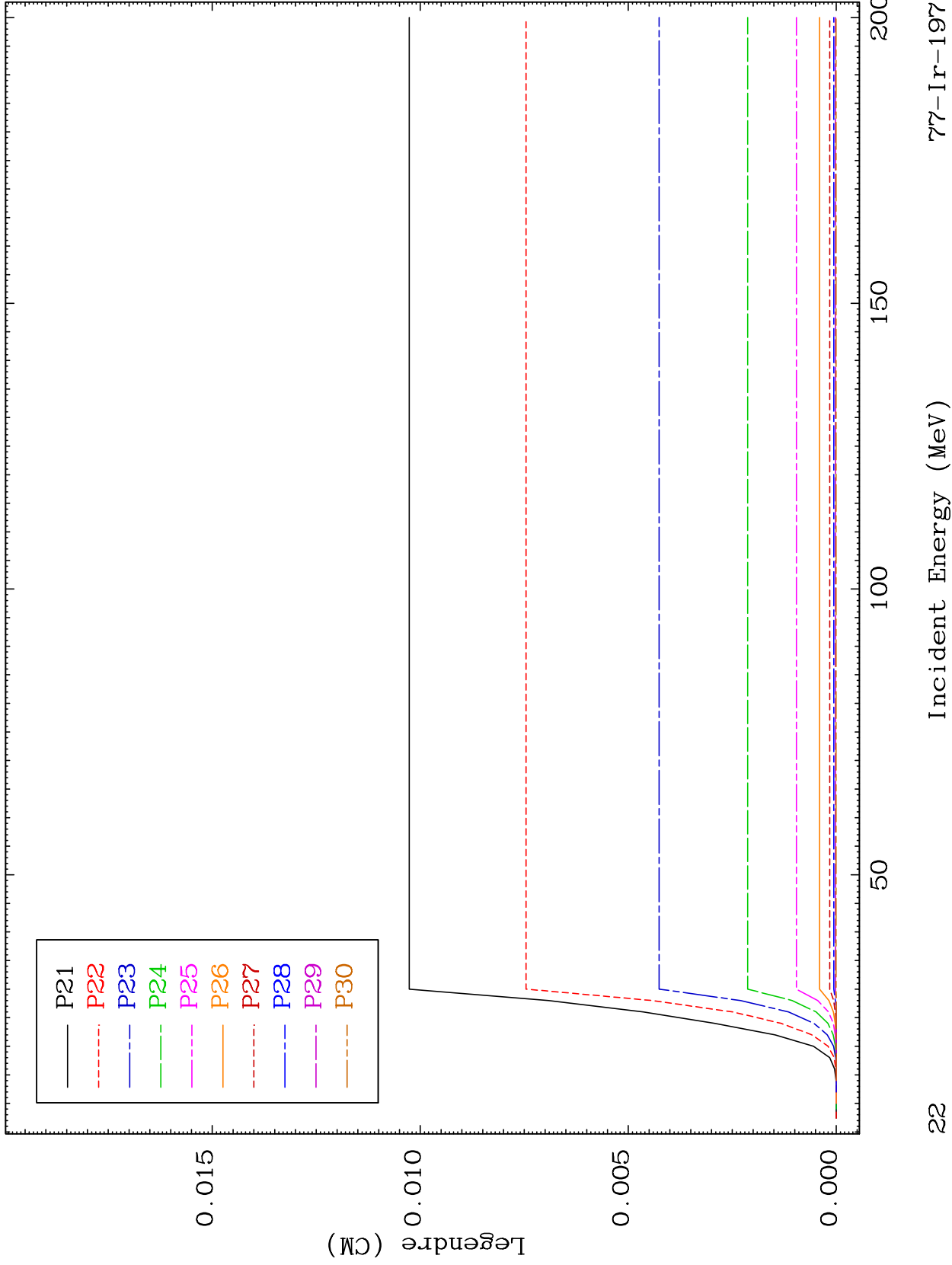
77-Ir-197

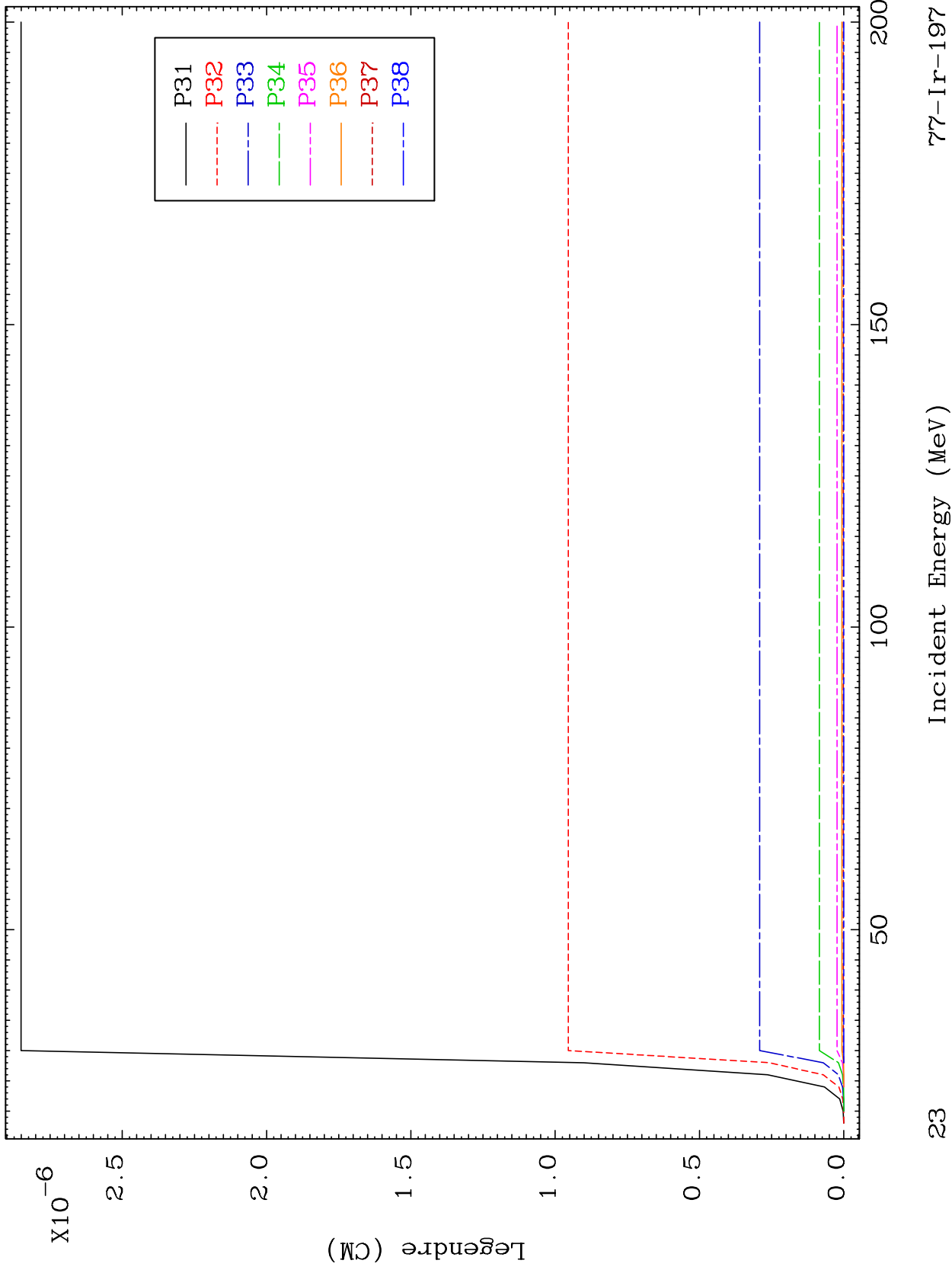


77-Ir-197

Incident Energy (MeV)

21



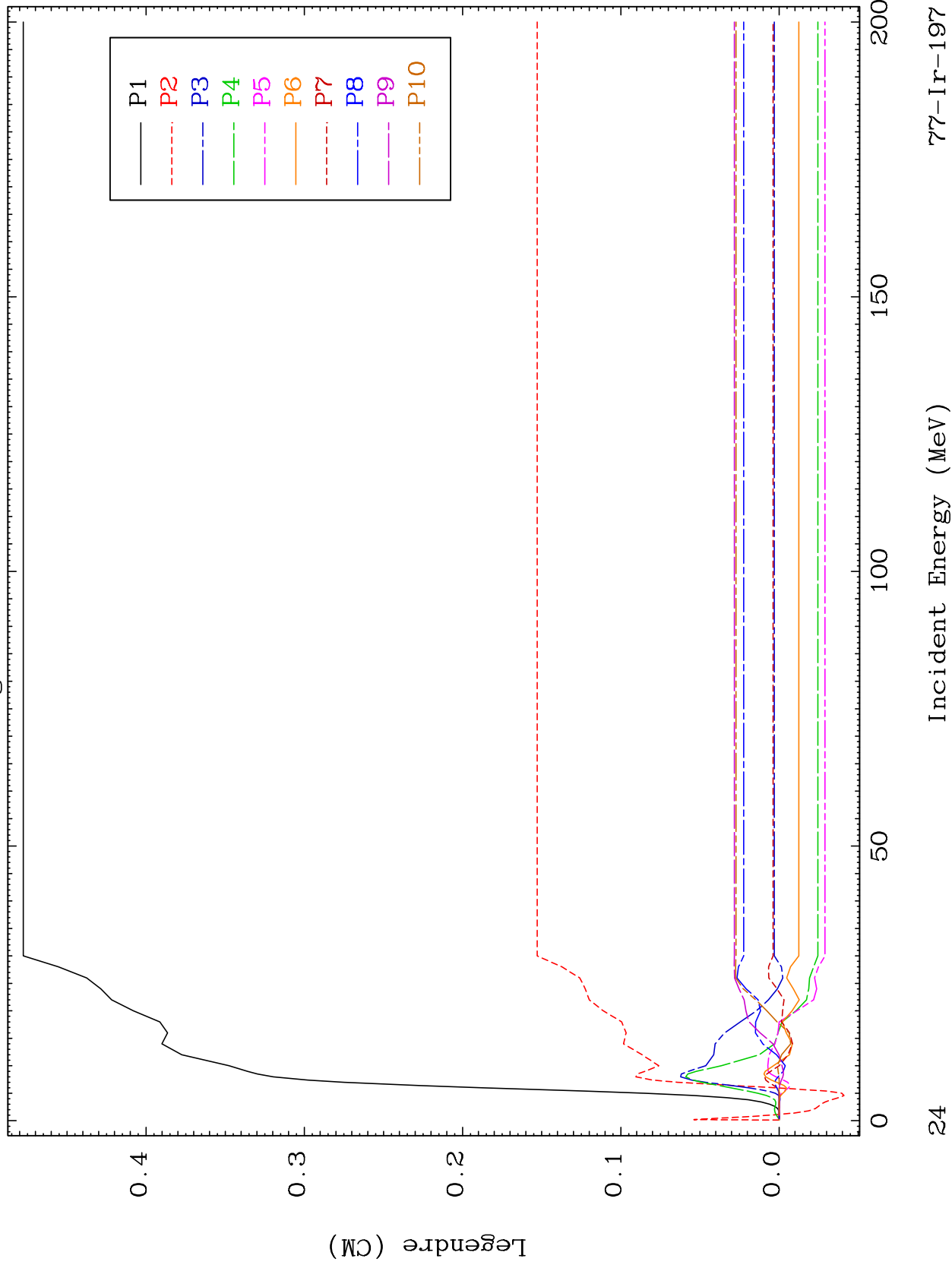




MAT 7743

115.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

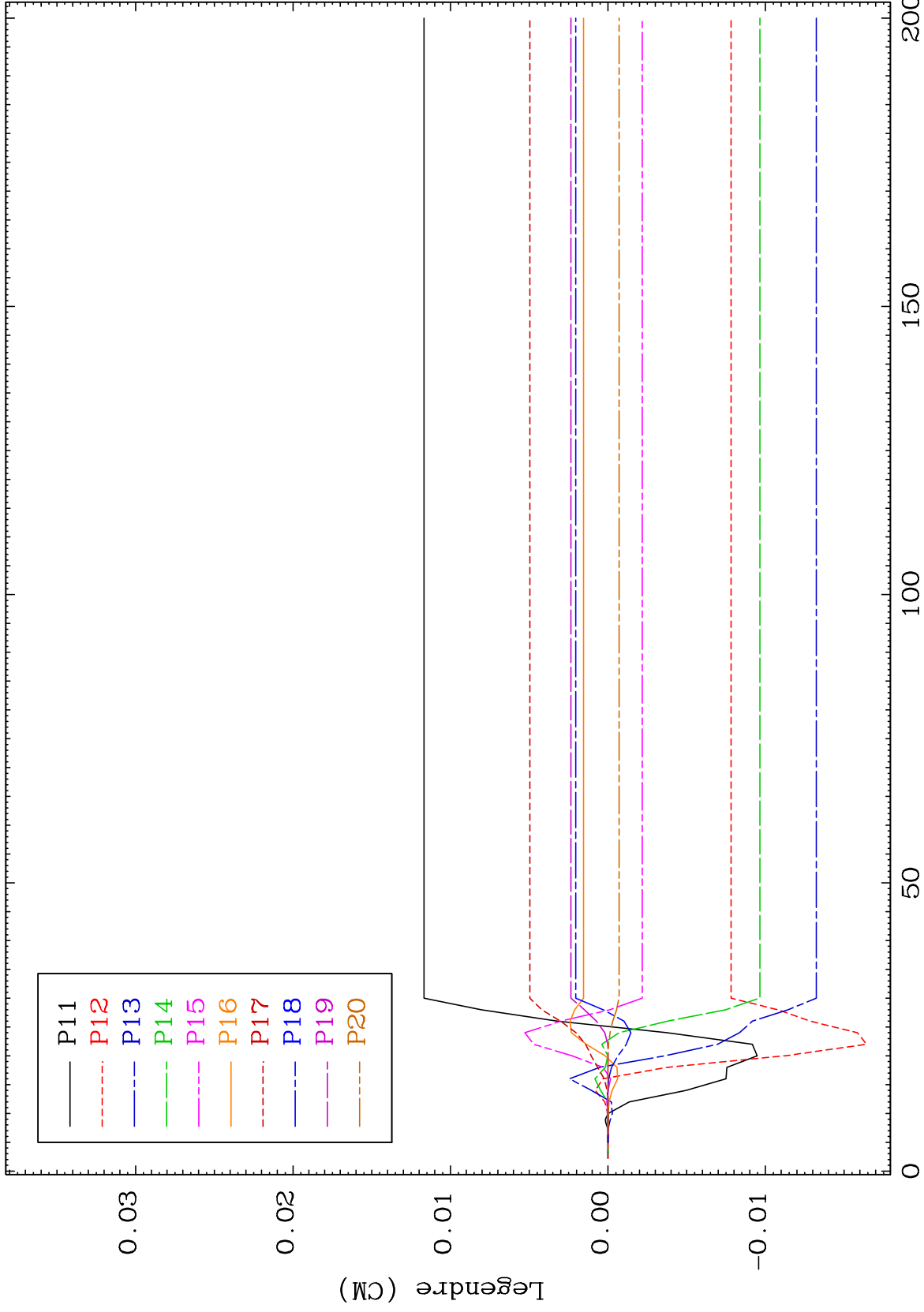
Incident Energy (MeV)

24

MAT 7743

115.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

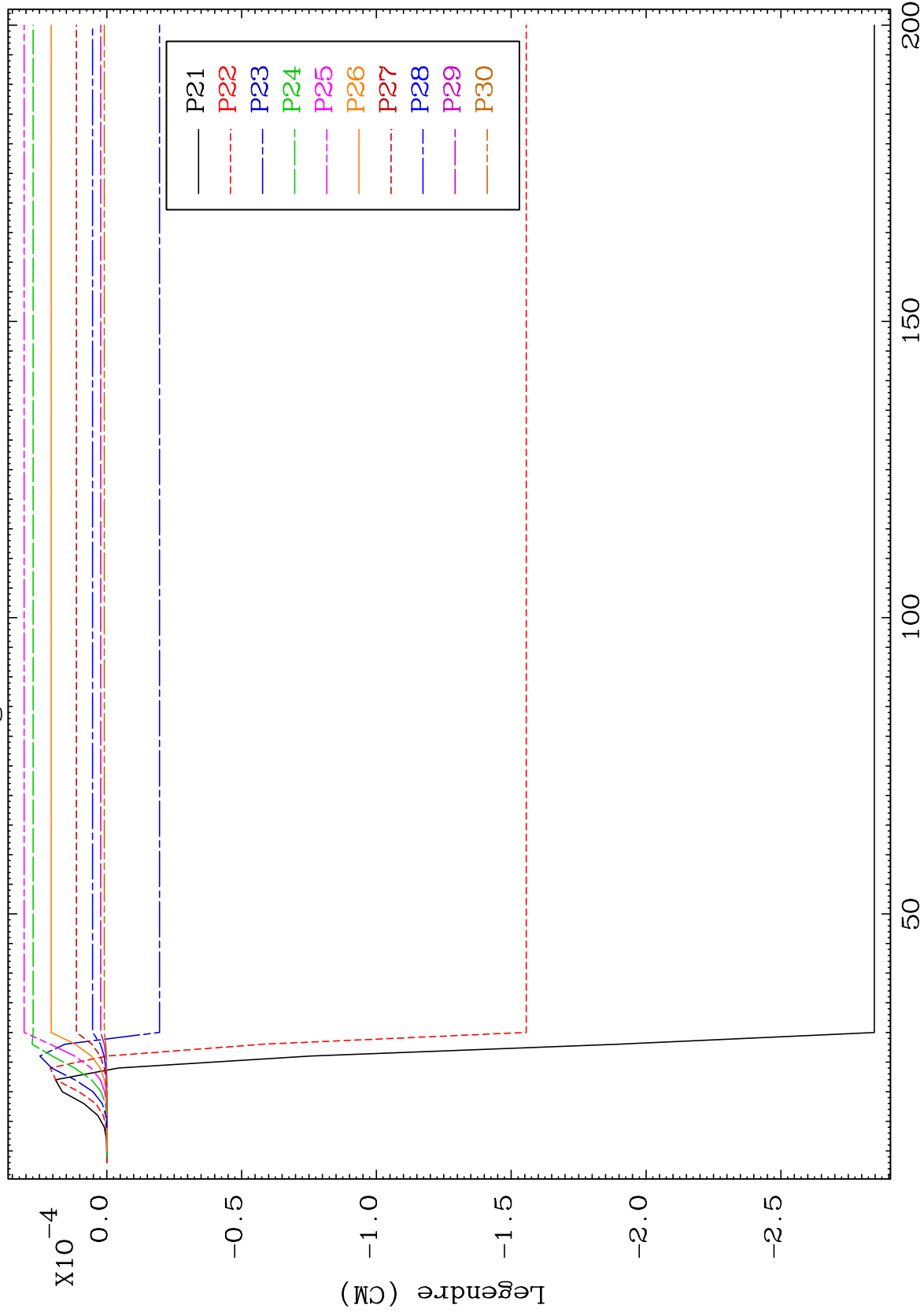
Incident Energy (MeV)

25

MAT 7743

115.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



26

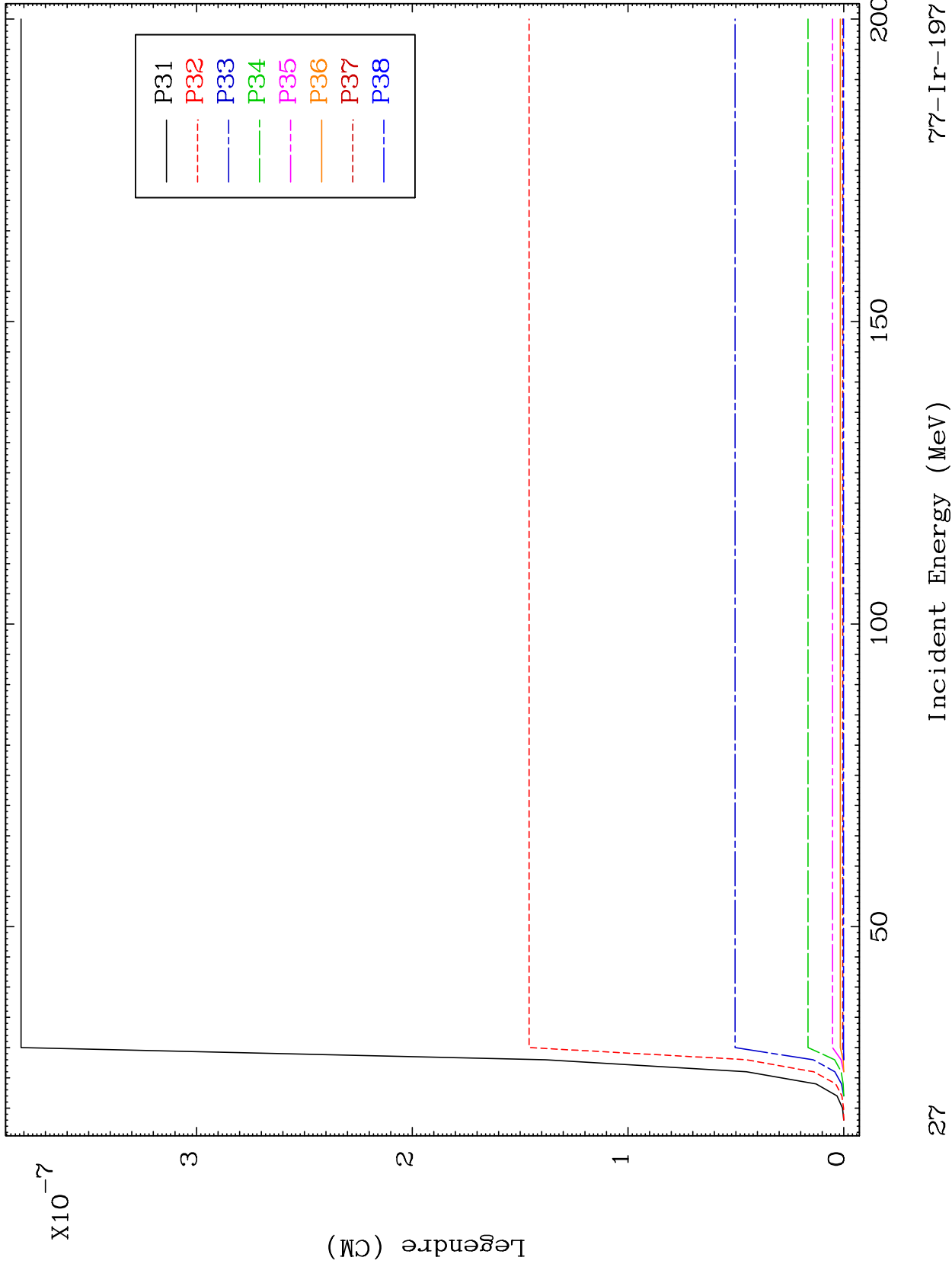
Incident Energy (MeV)

77-Ir-197

MAT 7743

115.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

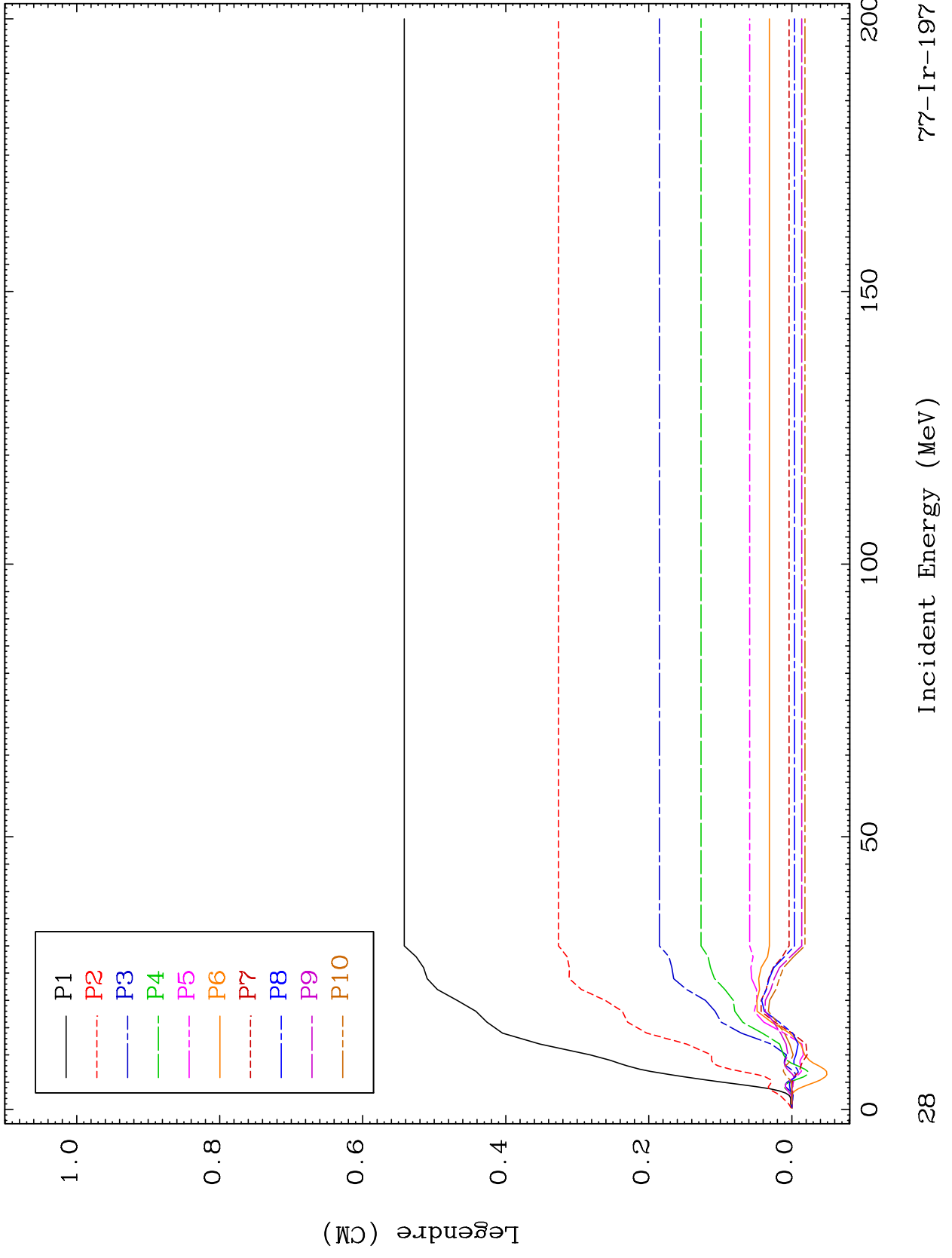
Incident Energy (MeV)

27

MAT 7743

224.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



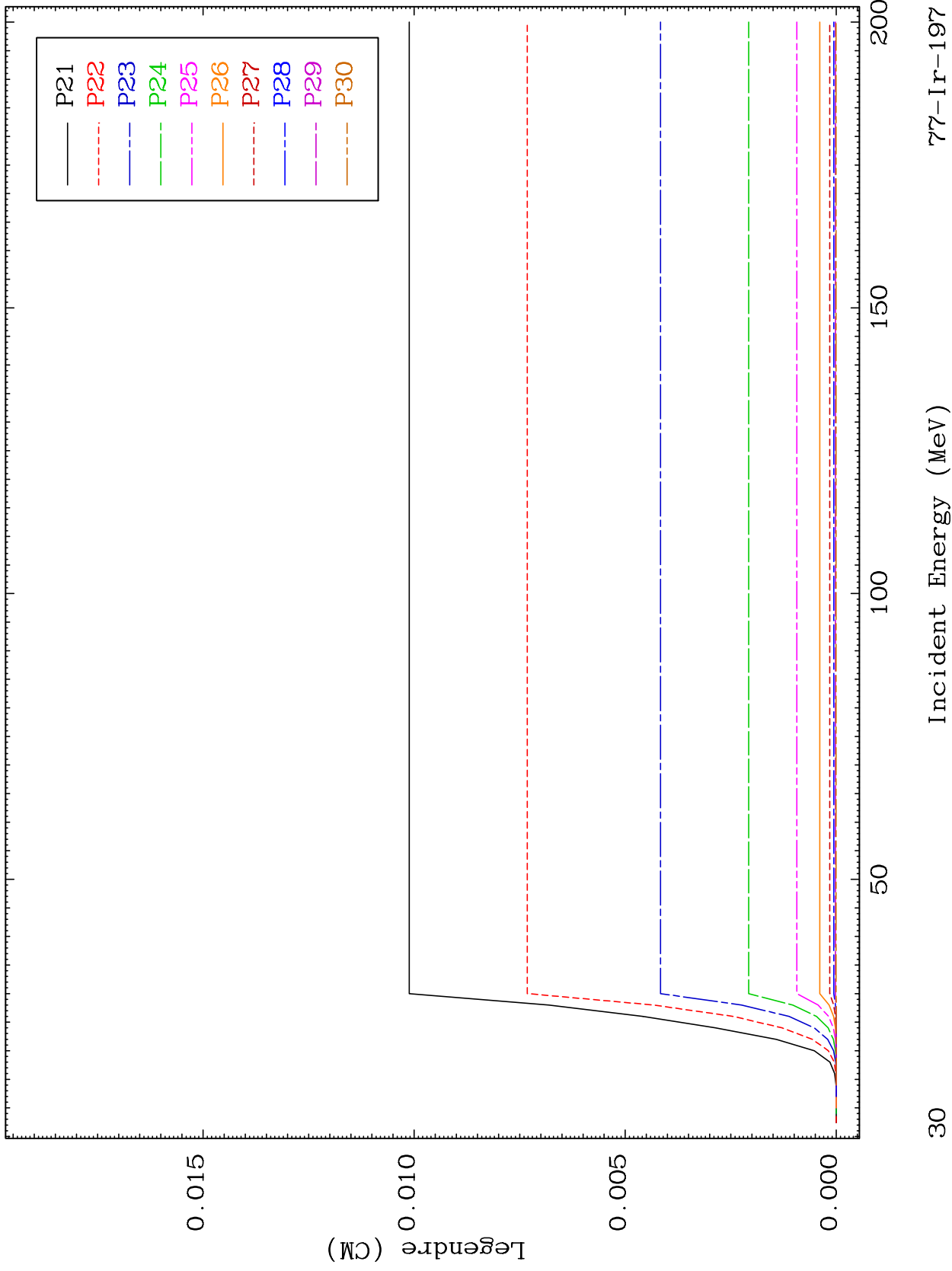
28



MAT 7743

224.0 keV (n,n') Level  
Legendre Coefficients

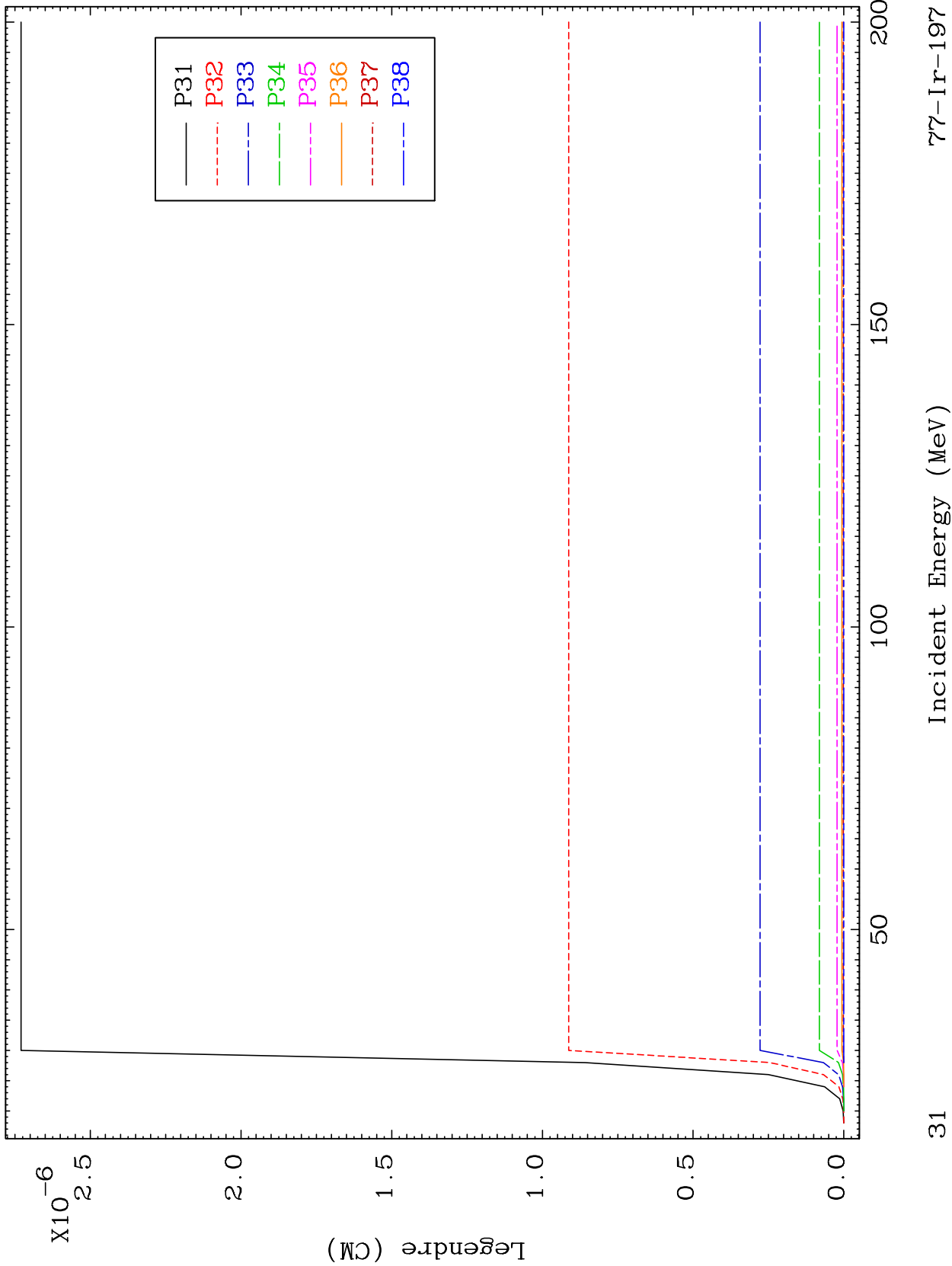
77-Ir-197



77-Ir-197

Incident Energy (MeV)

30

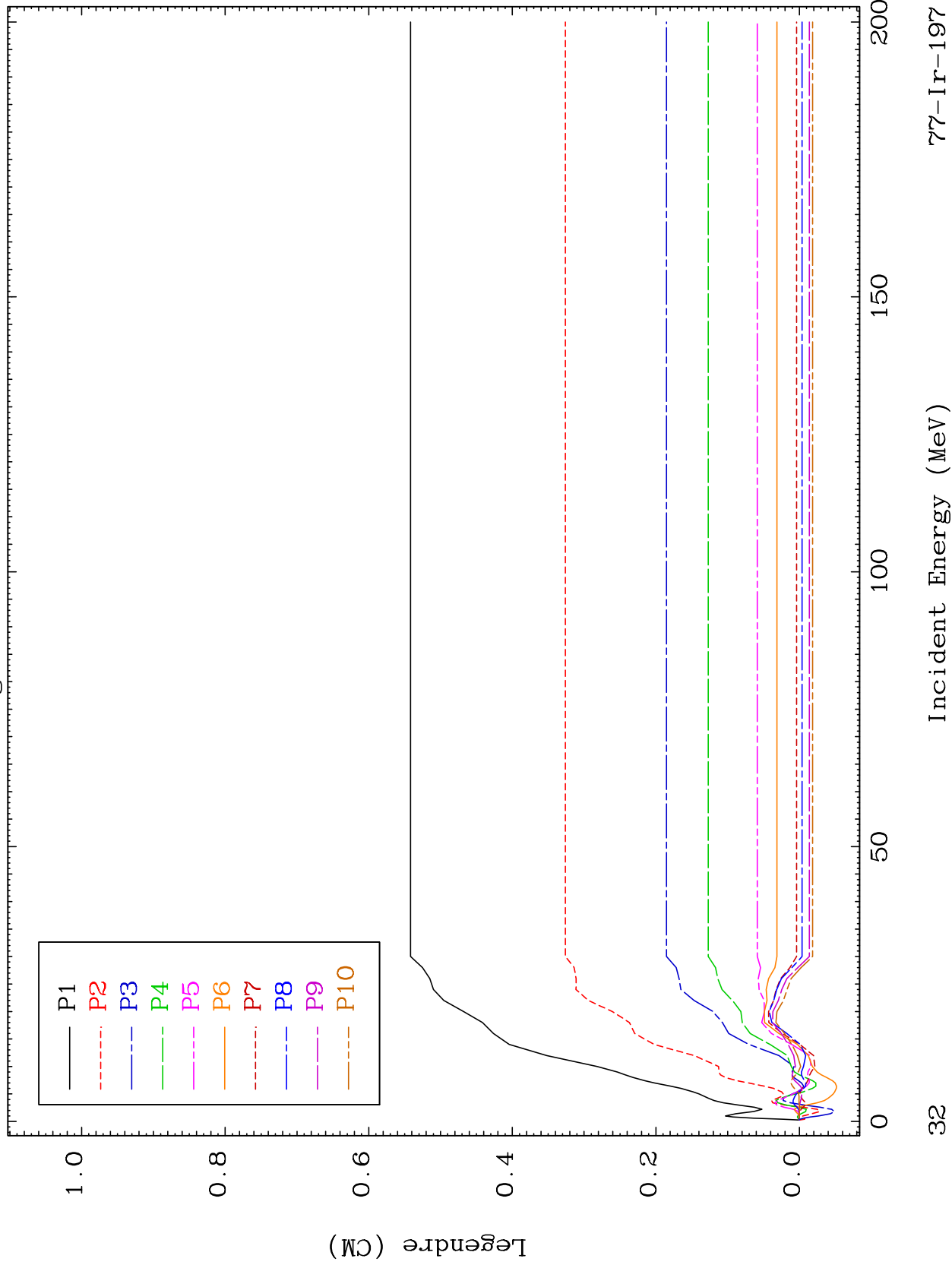




MAT 7743

248.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

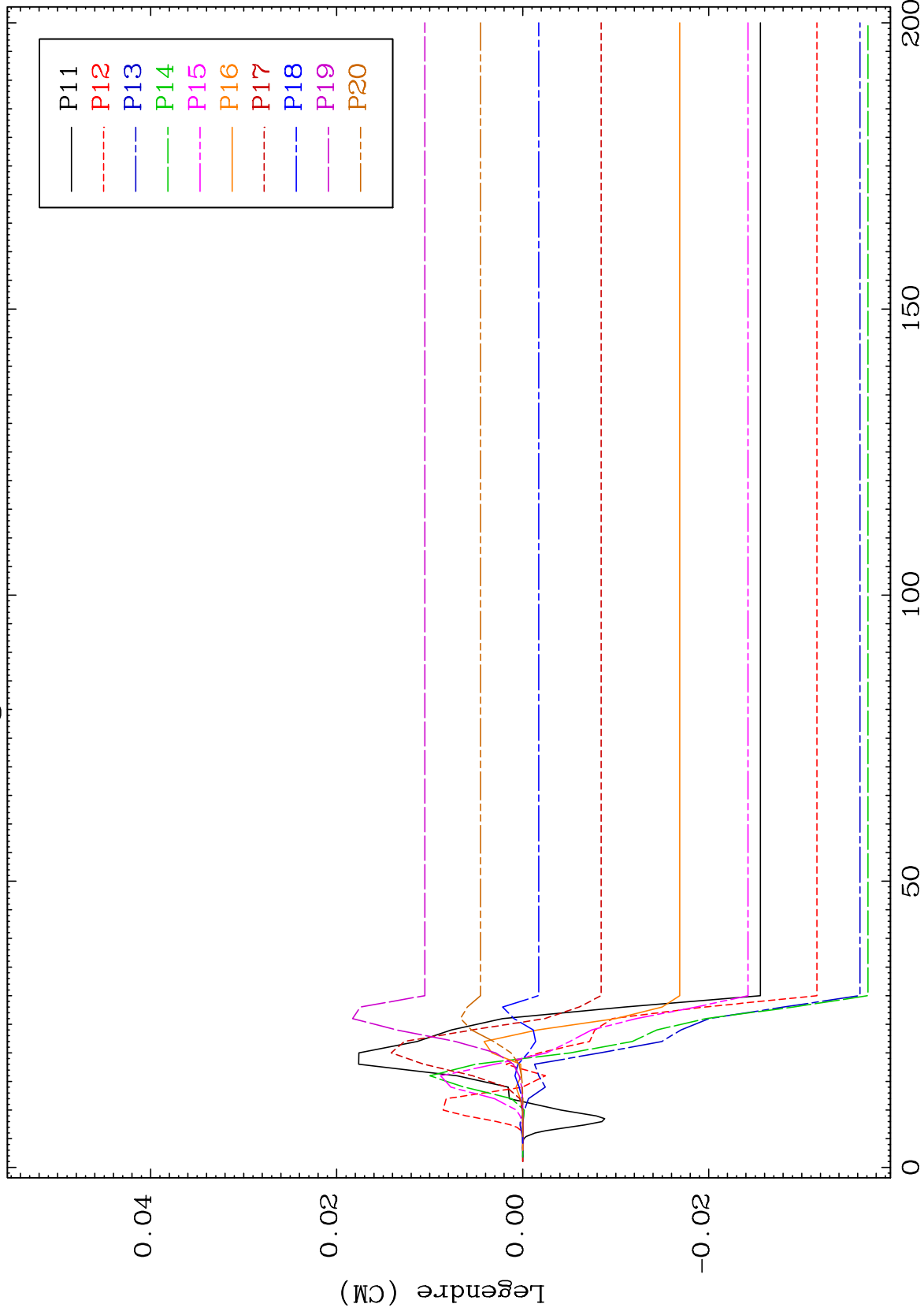
Incident Energy (MeV)

32

MAT 7743

248.0 keV (n,n') Level  
Legendre Coefficients

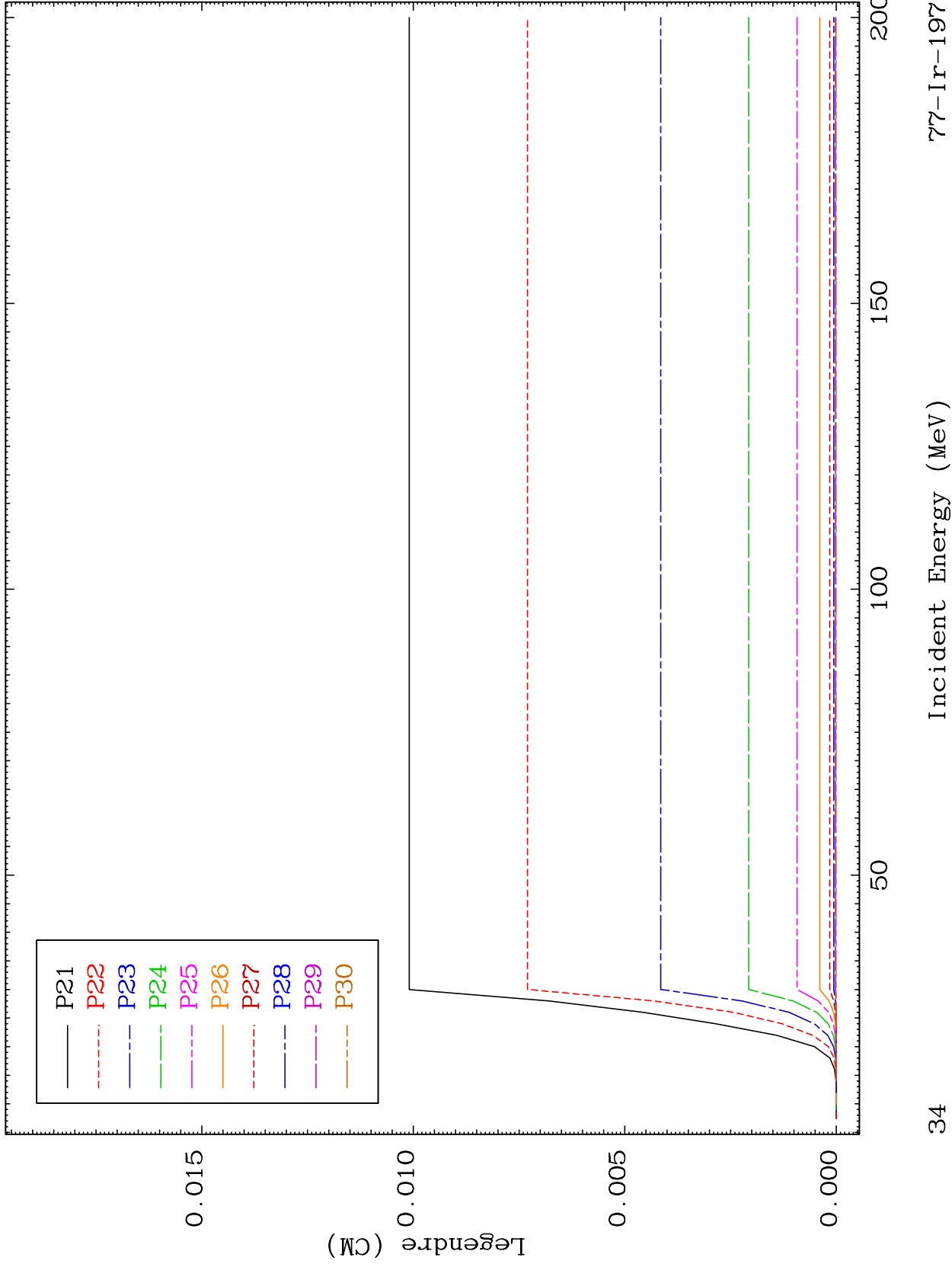
77-Ir-197



33

Incident Energy (MeV)

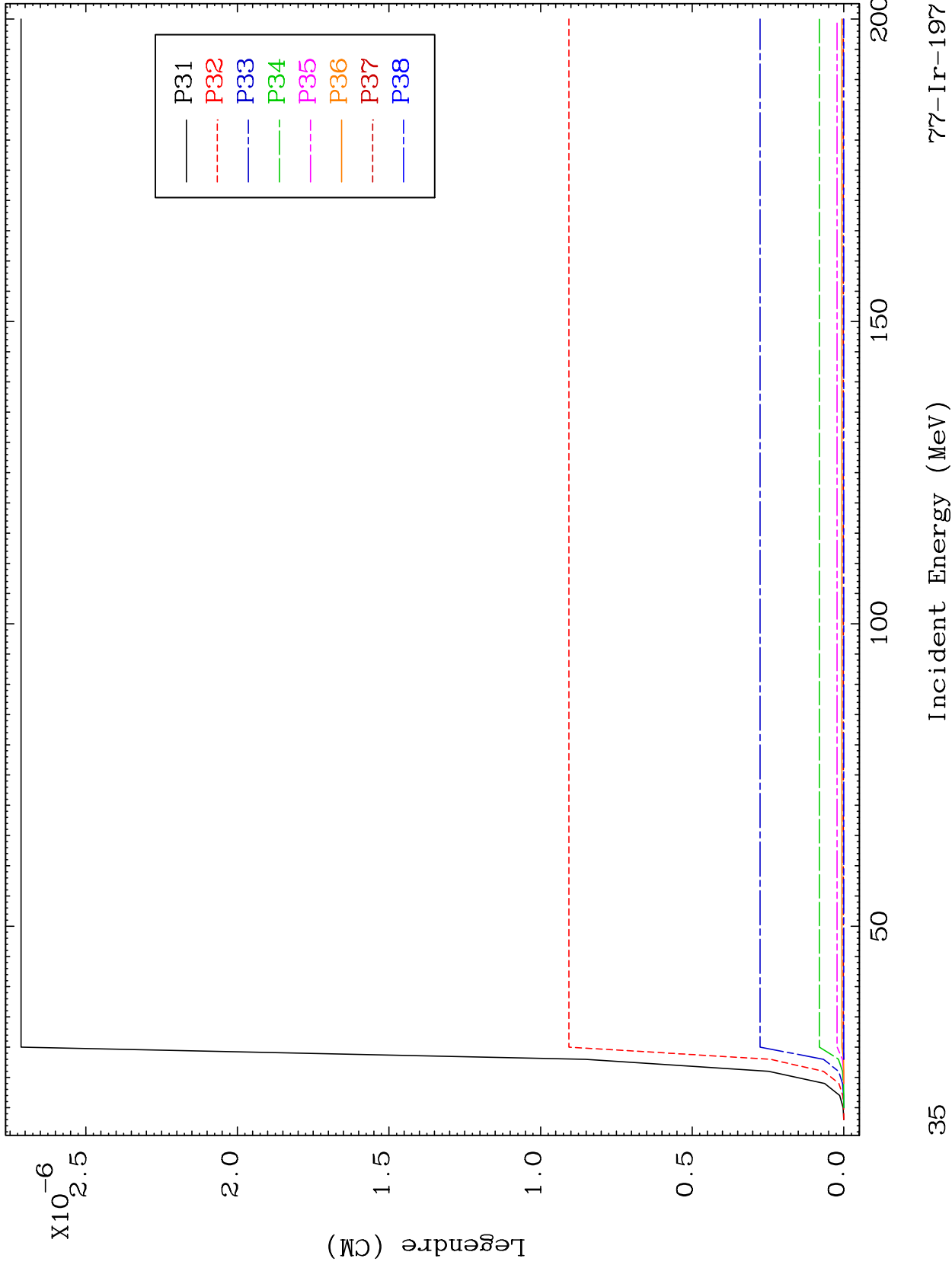
77-Ir-197



MAT 7743

248.0 keV (n,n') Level  
Legendre Coefficients

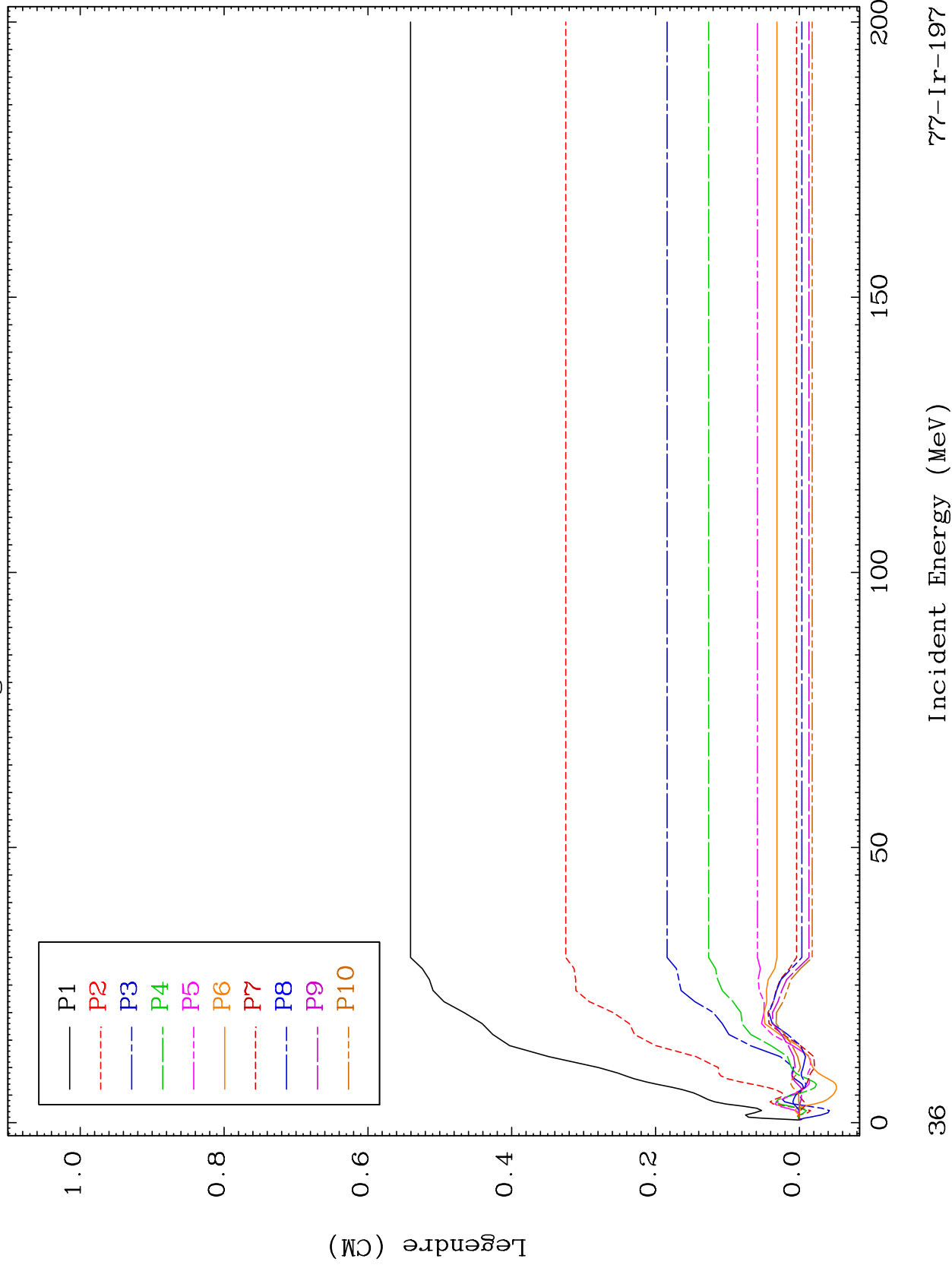
77-Ir-197



35

77-Ir-197

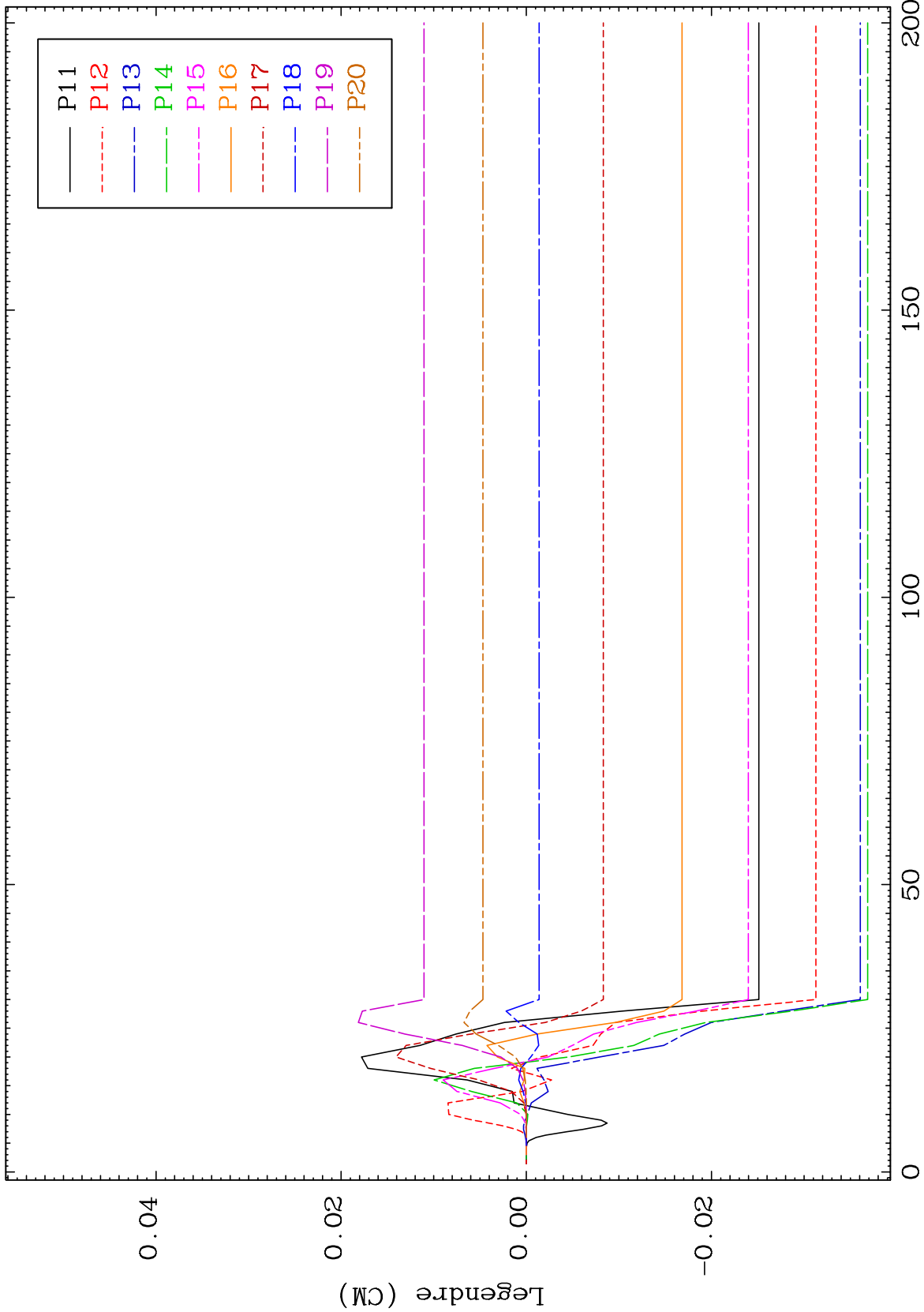
77-Ir-197



MAT 7743

460.0 keV (n,n') Level  
Legendre Coefficients

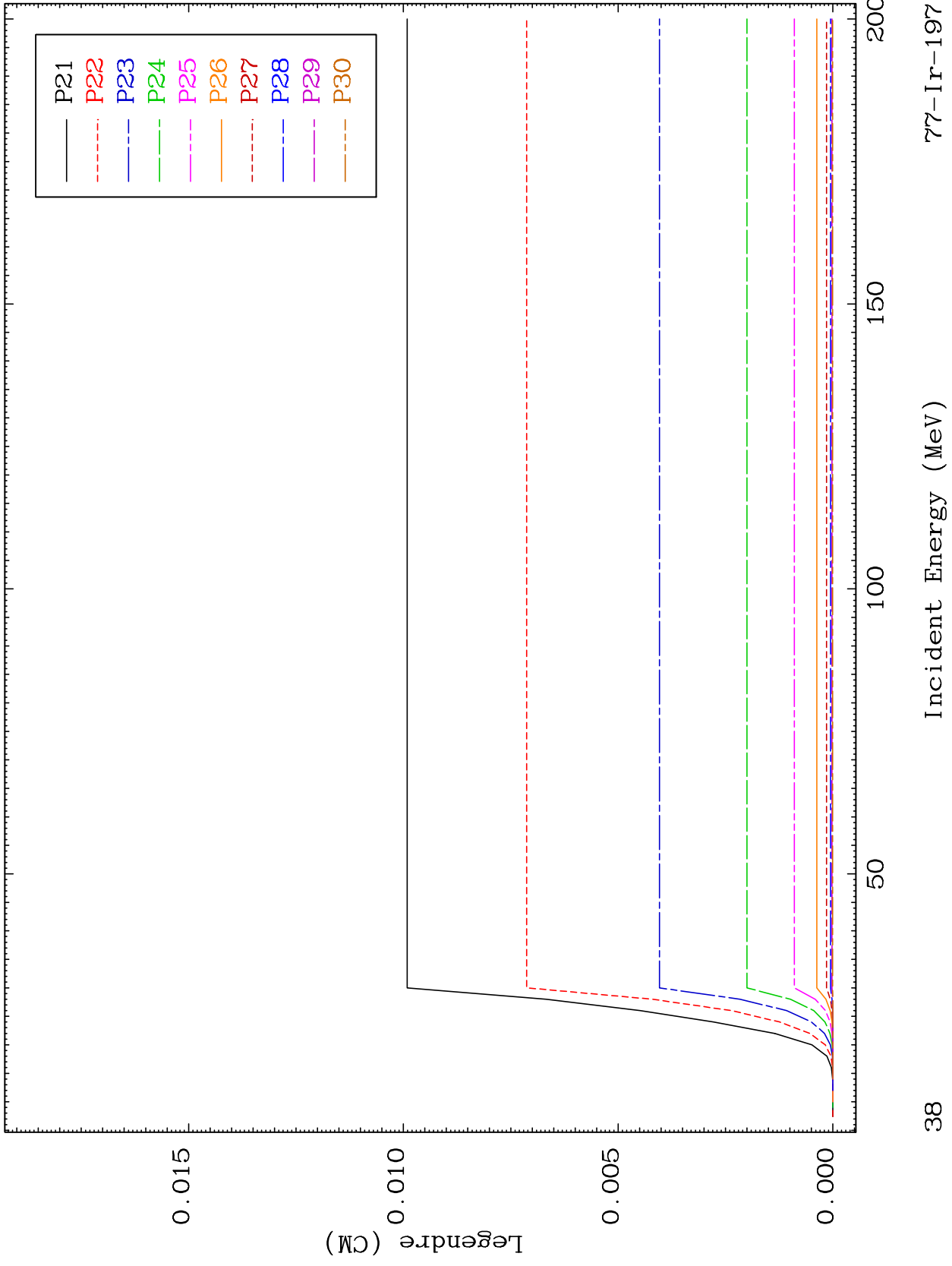
77-Ir-197

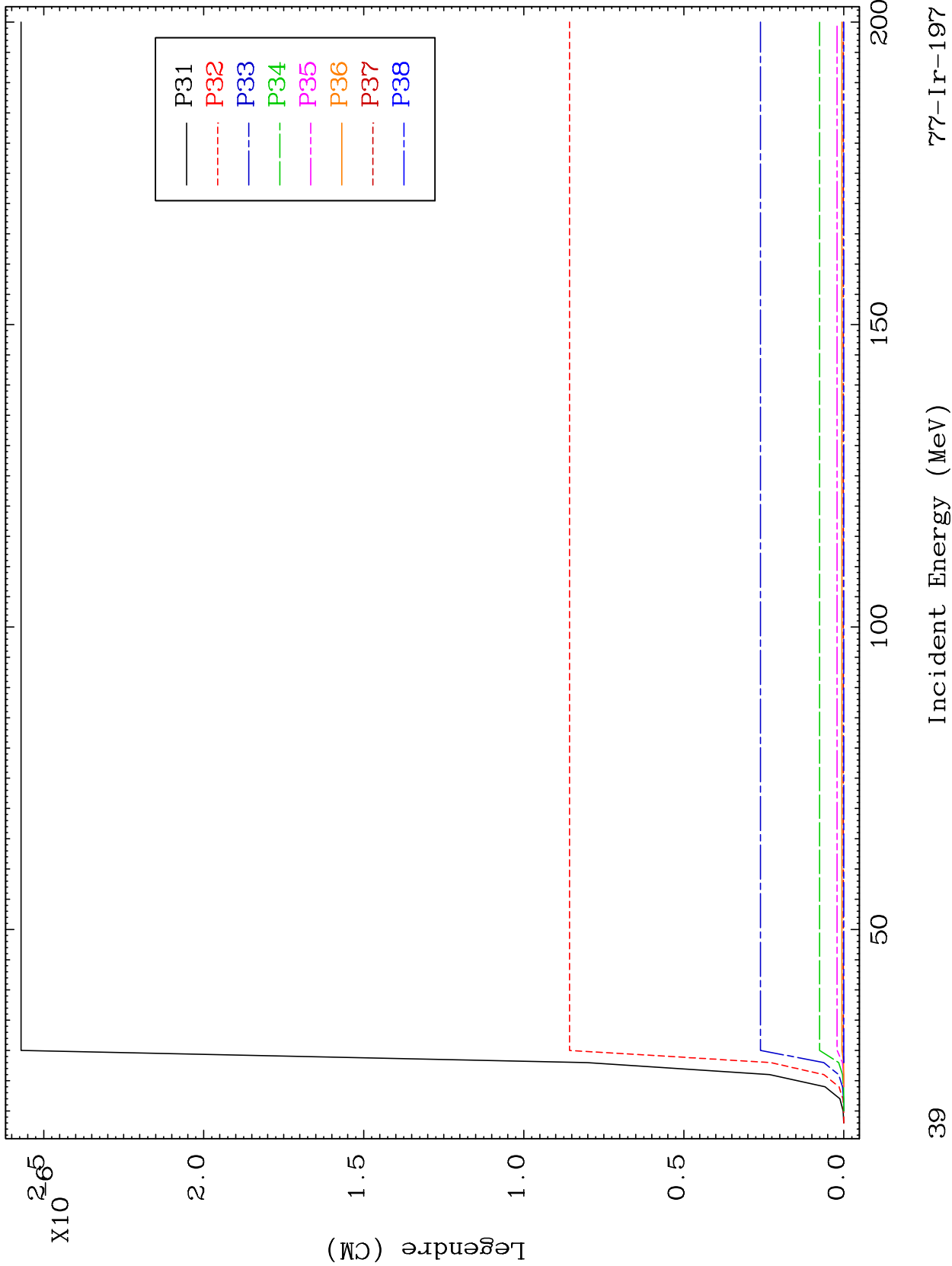


37

Incident Energy (MeV)

77-Ir-197



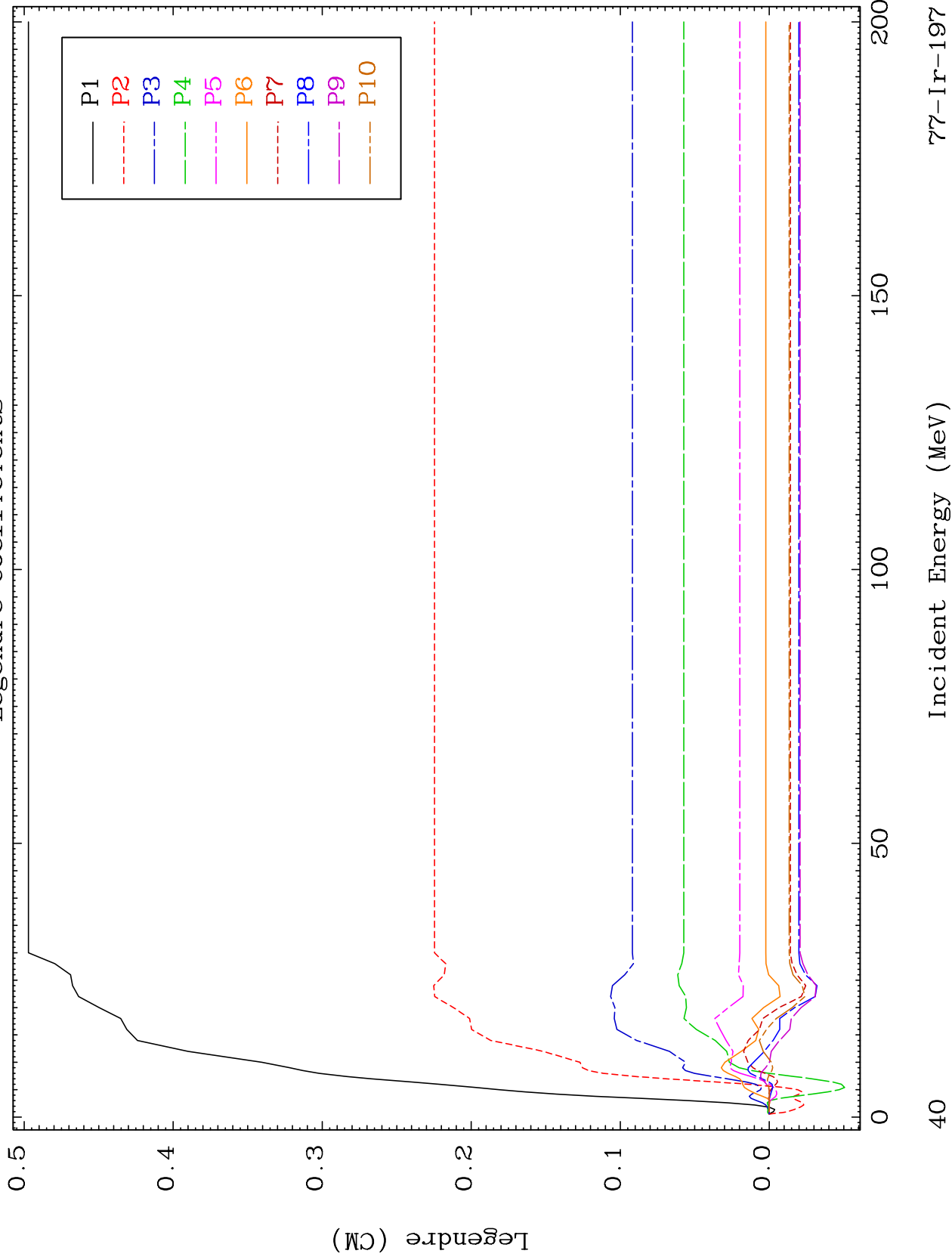




MAT 7743

495.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197

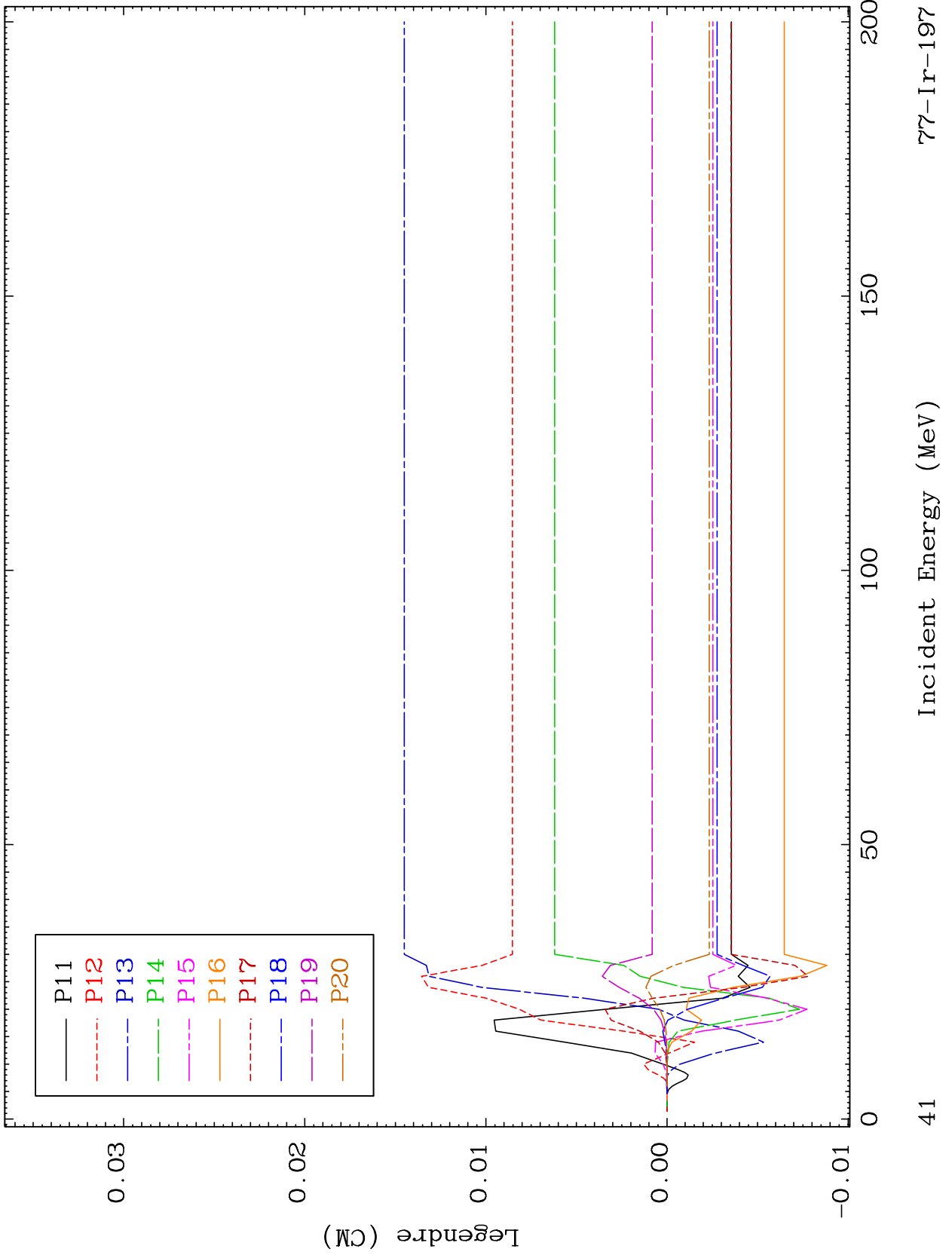


77-Ir-197

MAT 7743

495.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



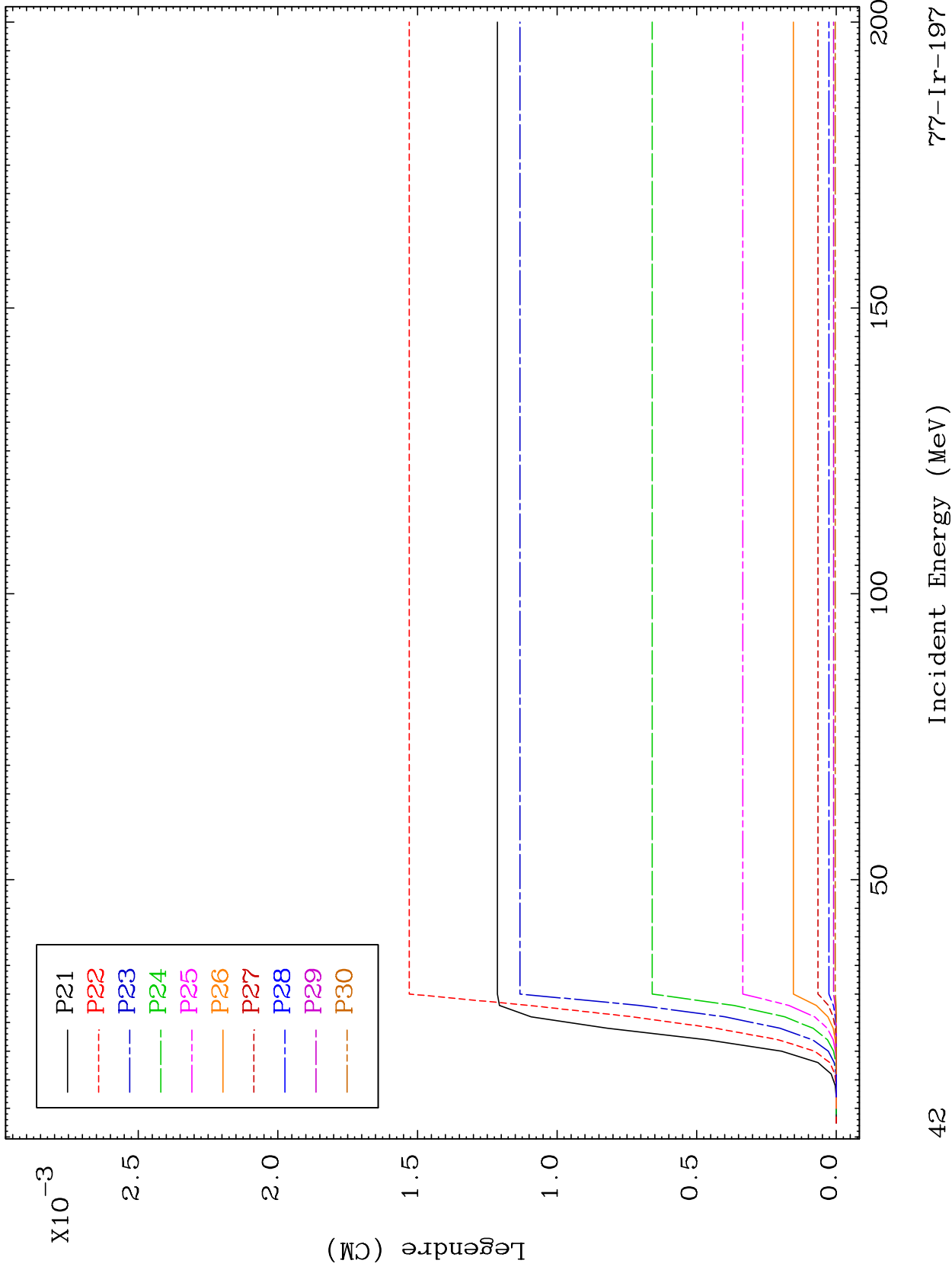
41

77-Ir-197

MAT 7743

495.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



42

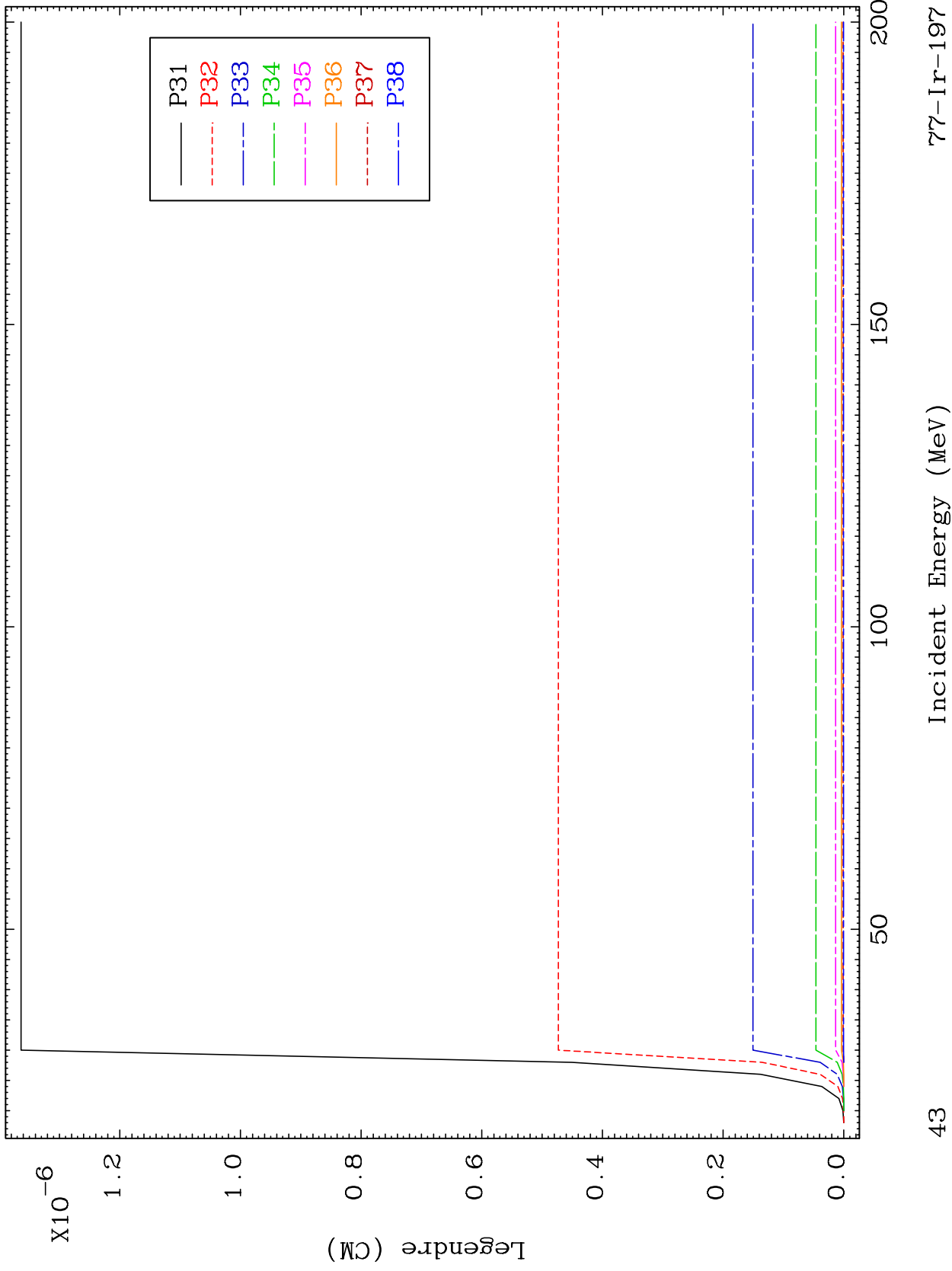
Incident Energy (MeV)

77-Ir-197

MAT 7743

495.0 keV (n,n') Level  
Legendre Coefficients

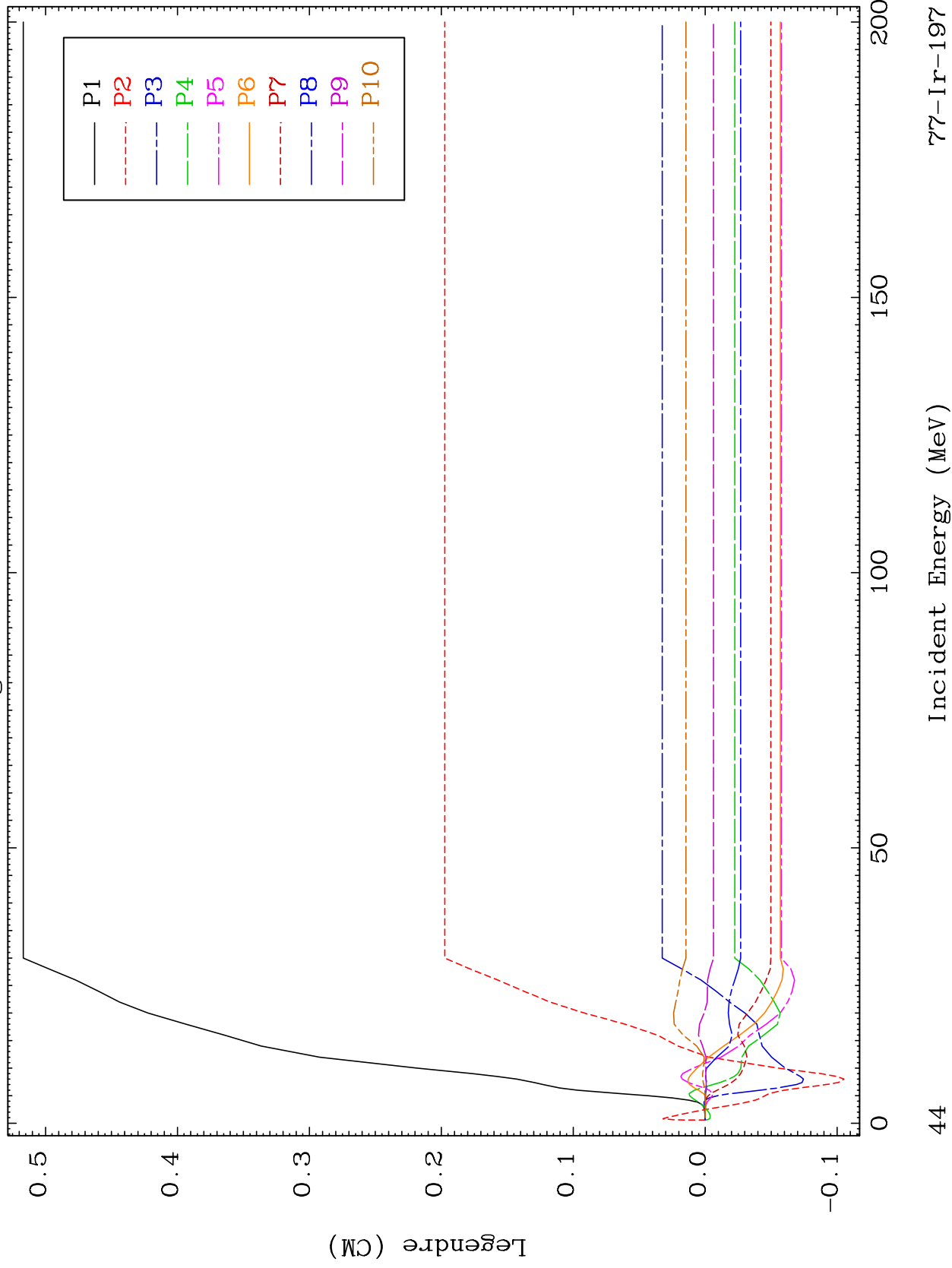
77-Ir-197



43

Incident Energy (MeV)

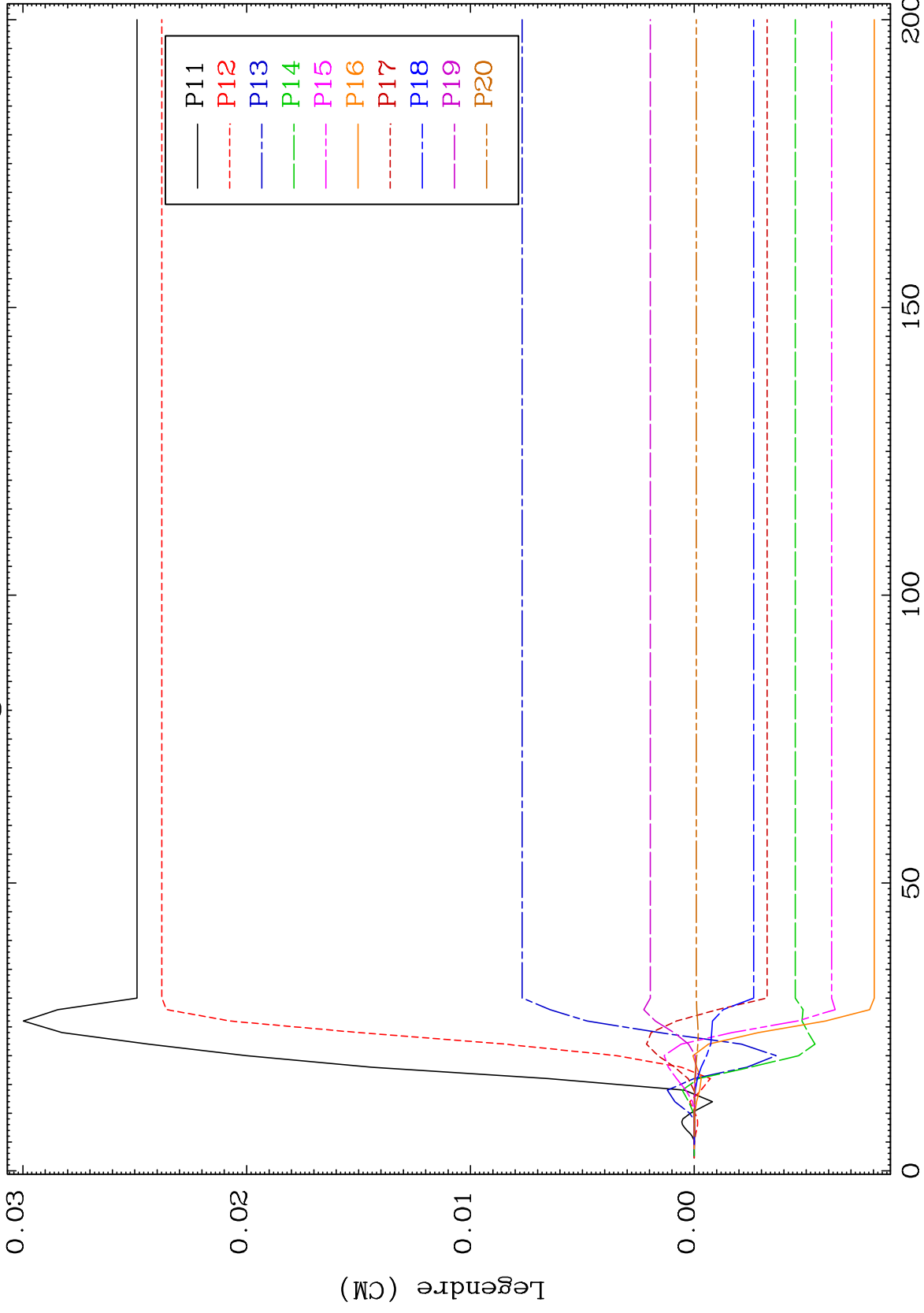
77-Ir-197



MAT 7743

561.0 keV (n,n') Level  
Legendre Coefficients

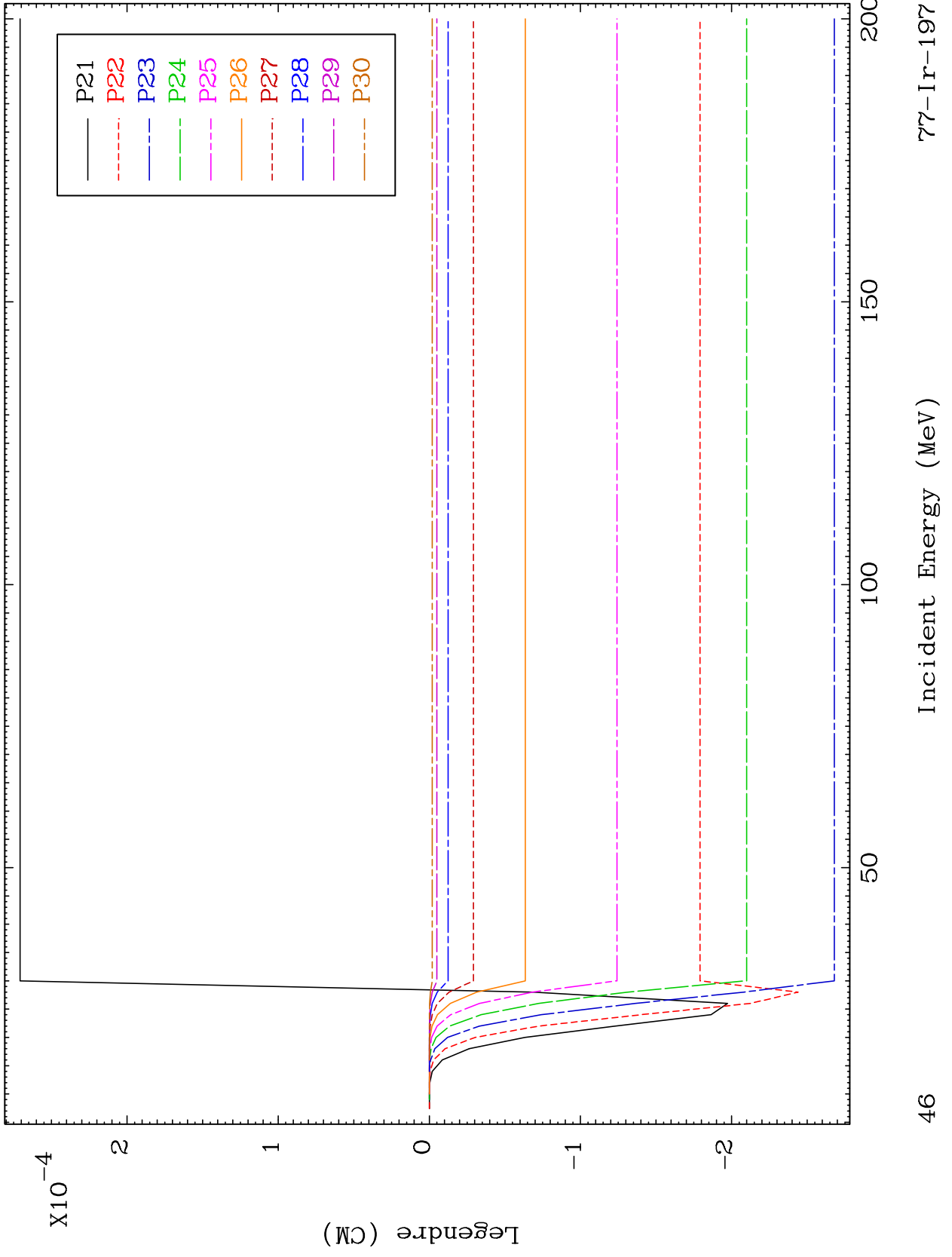
77-Ir-197

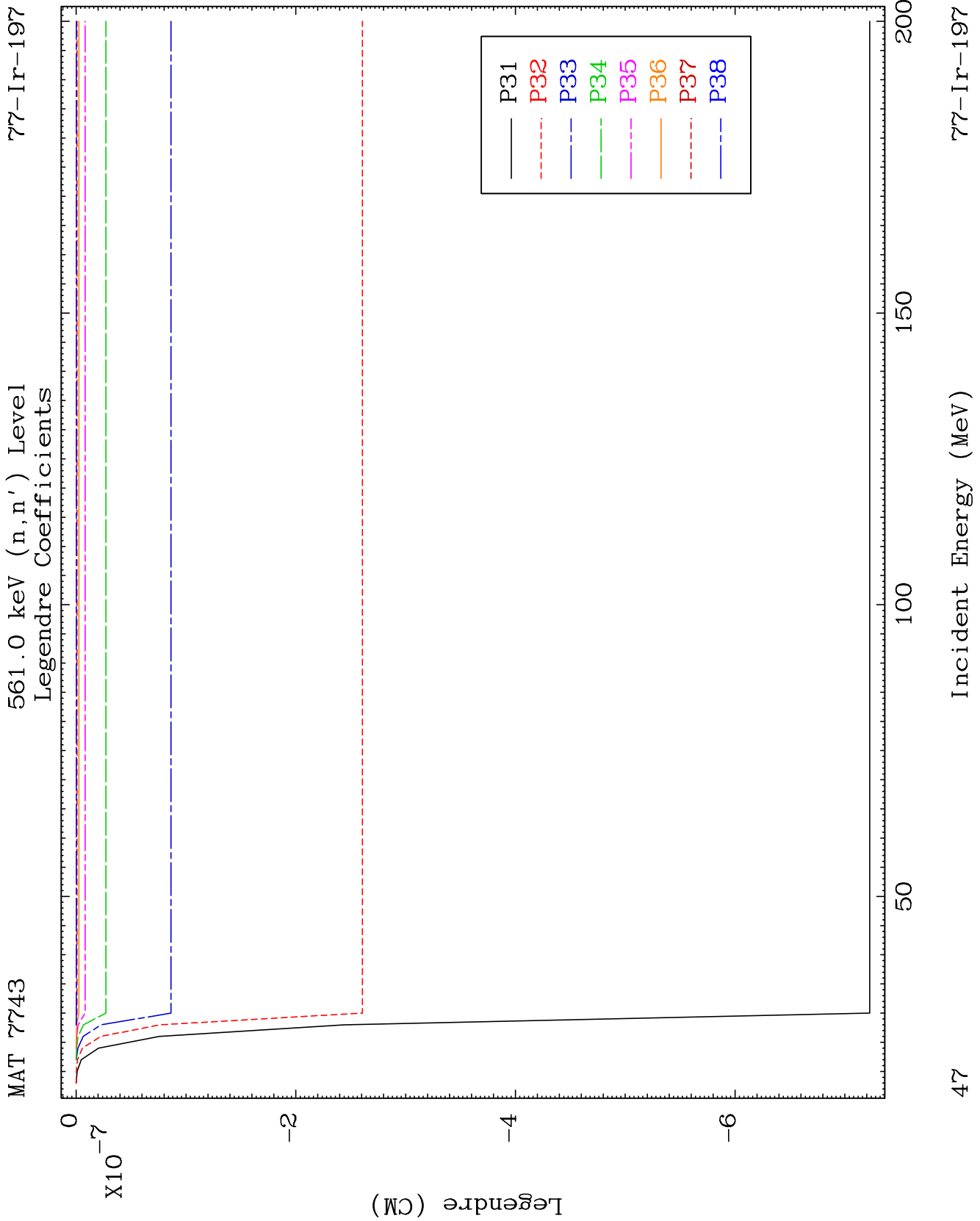


45

Incident Energy (MeV)

77-Ir-197



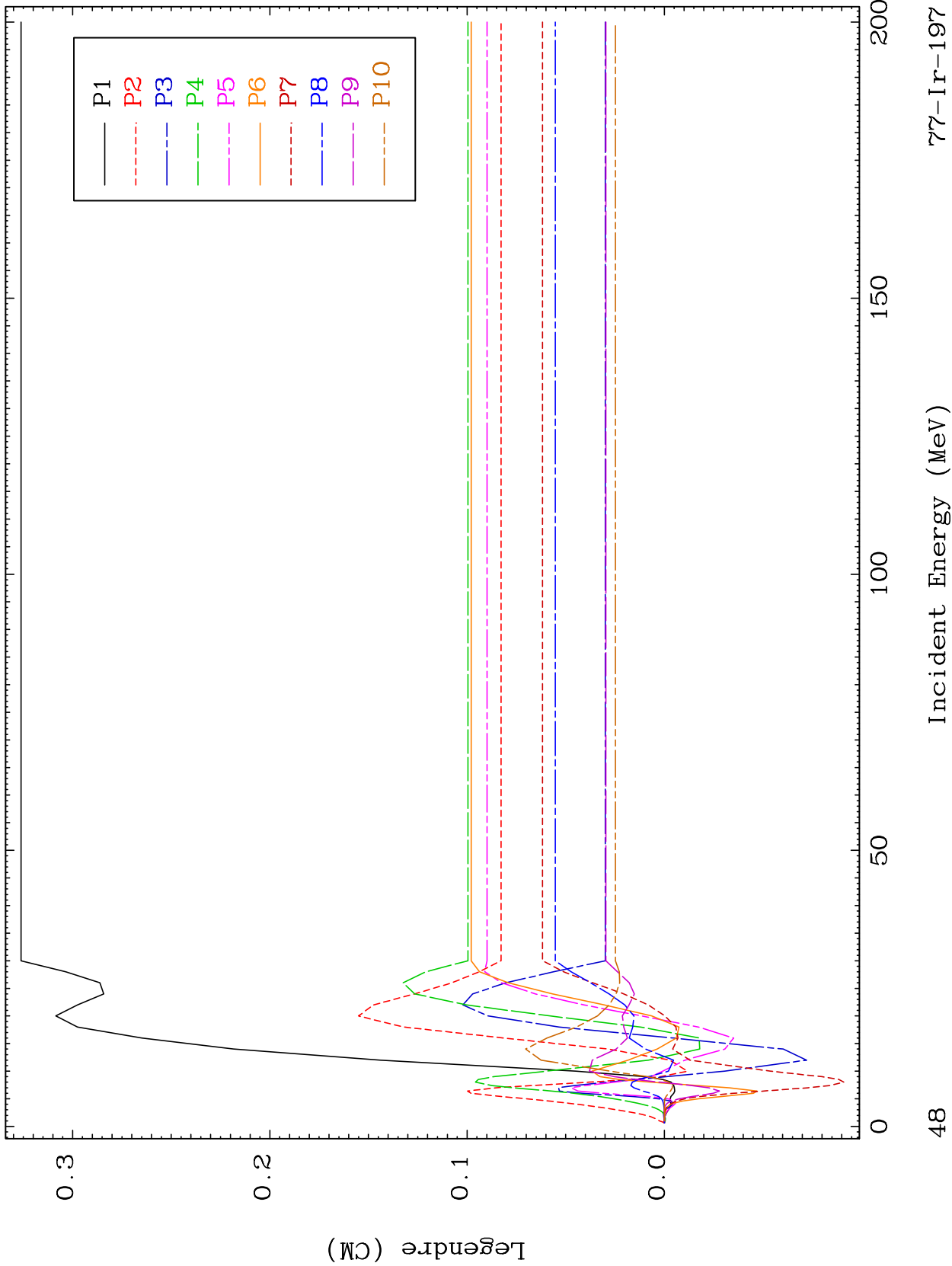




MAT 7743

606.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

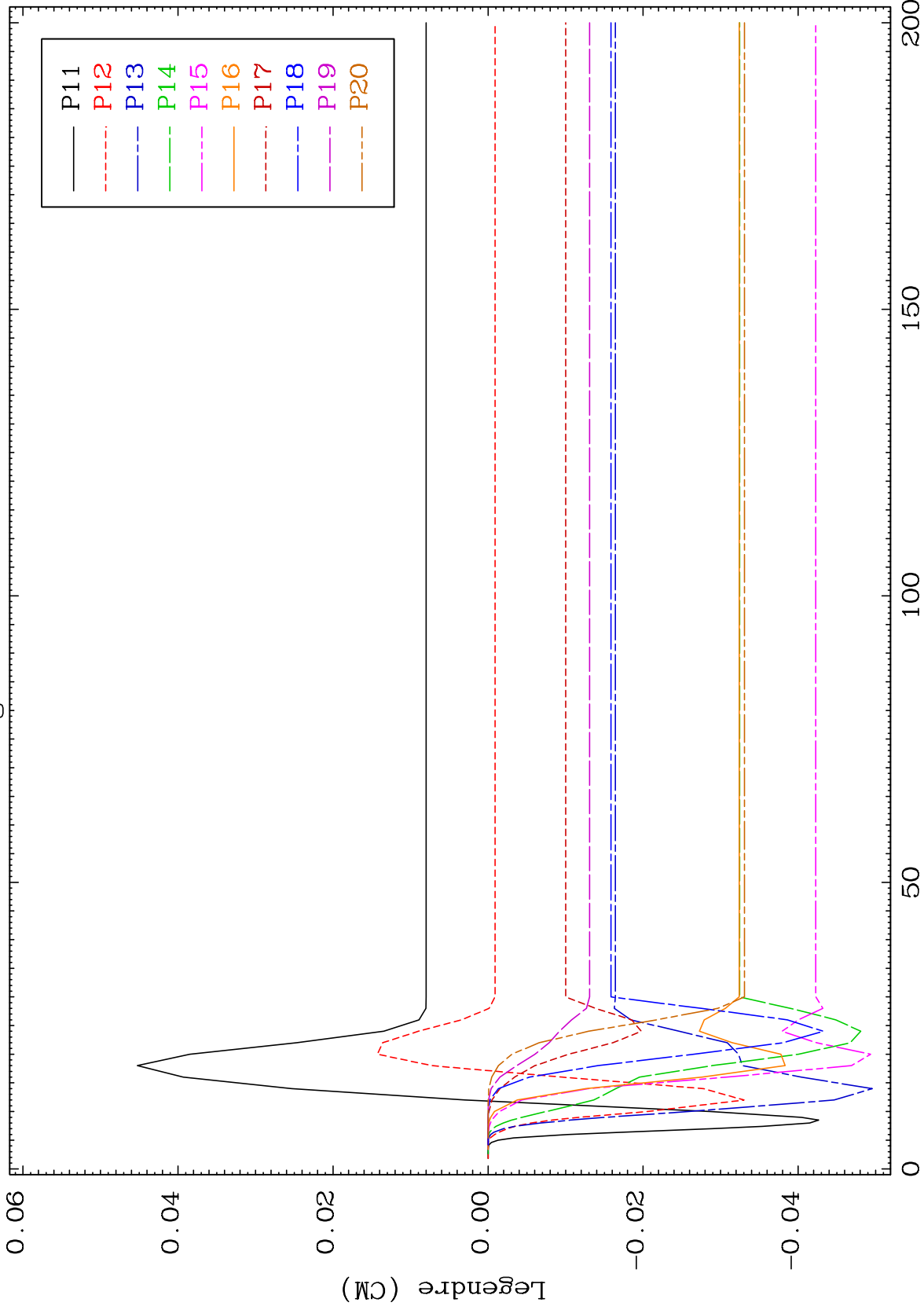
Incident Energy (MeV)

48

MAT 7743

606.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



49

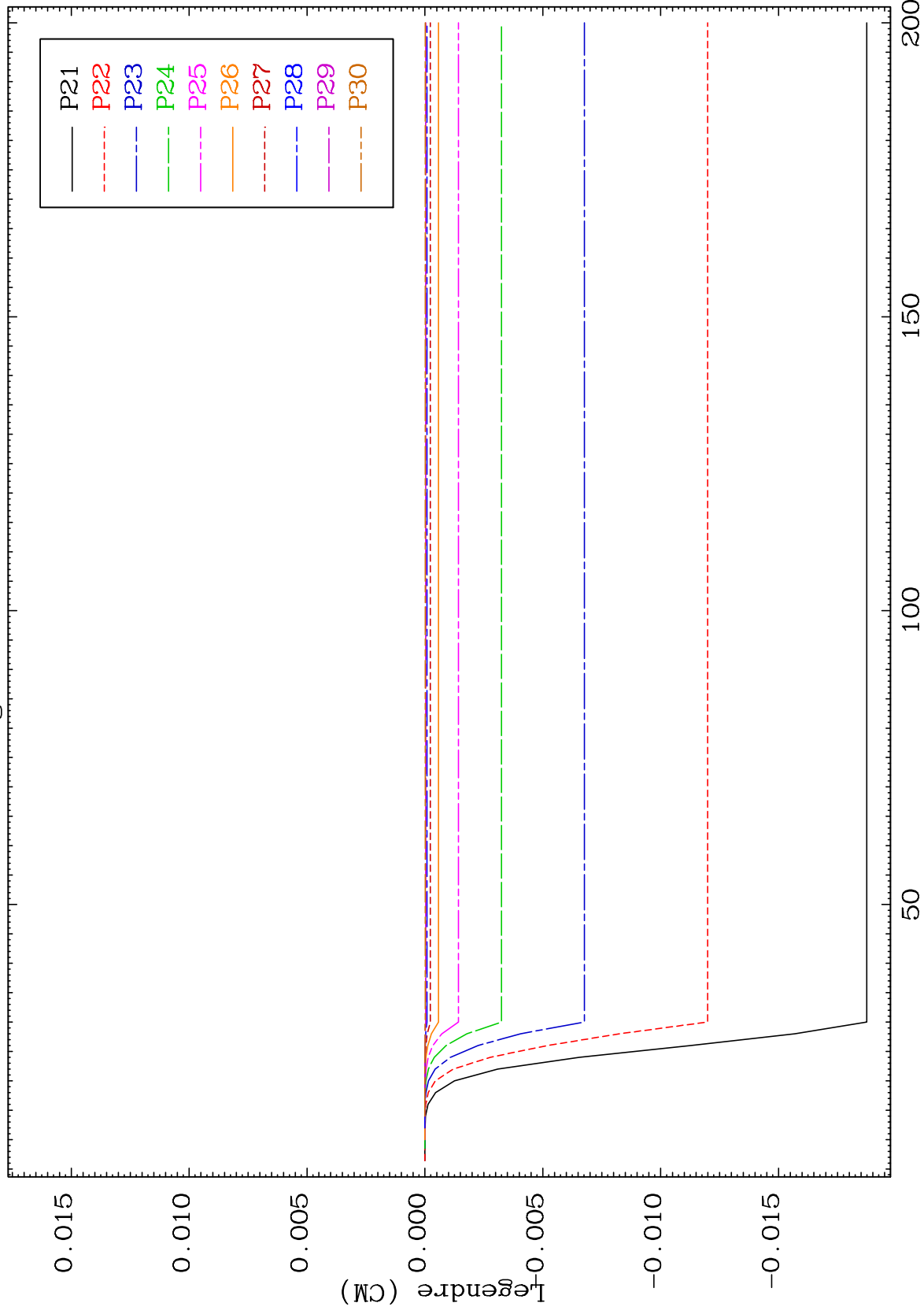
Incident Energy (MeV)

77-Ir-197

MAT 7743

606.0 keV (n,n') Level  
Legendre Coefficients

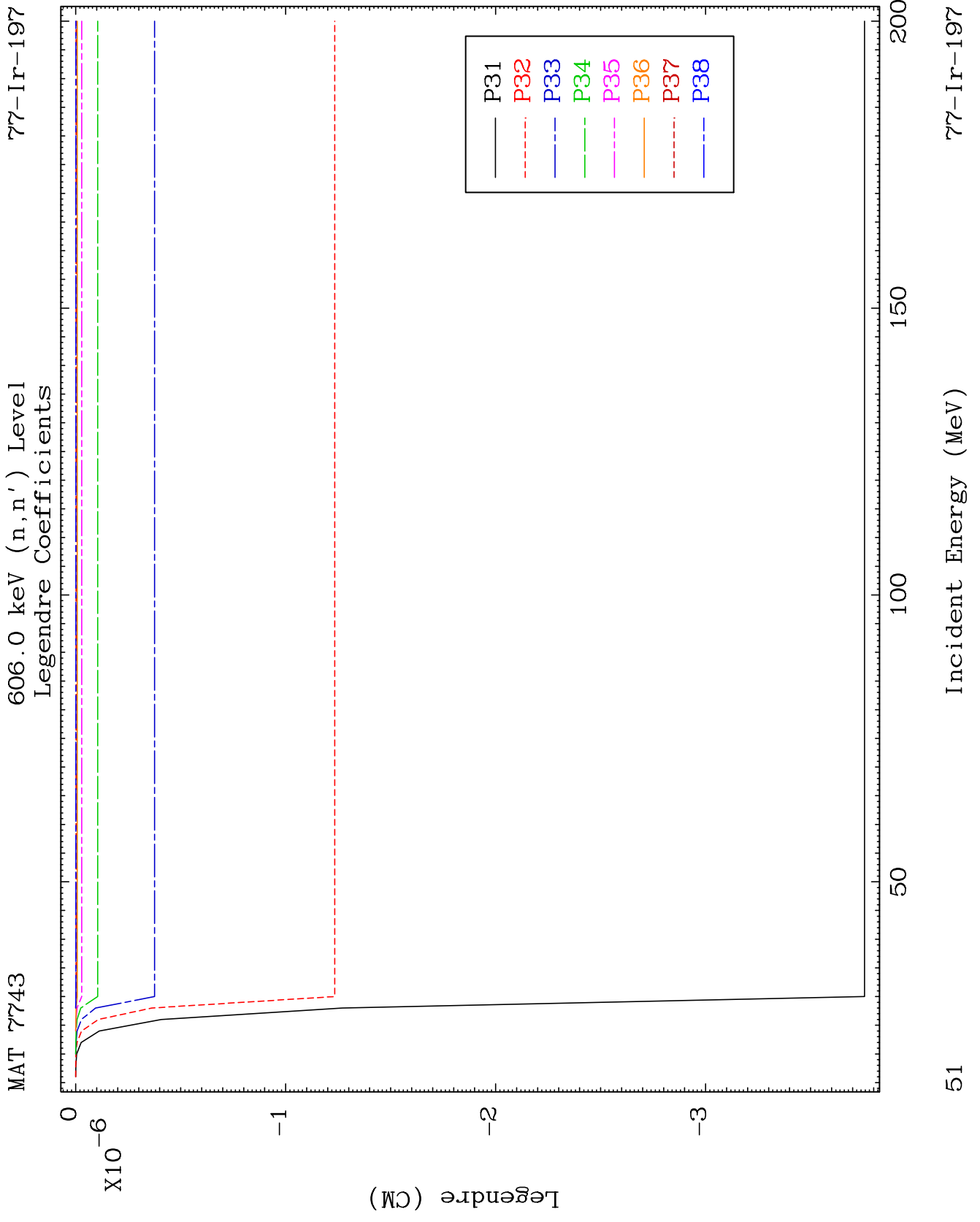
77-Ir-197



50

Incident Energy (MeV)

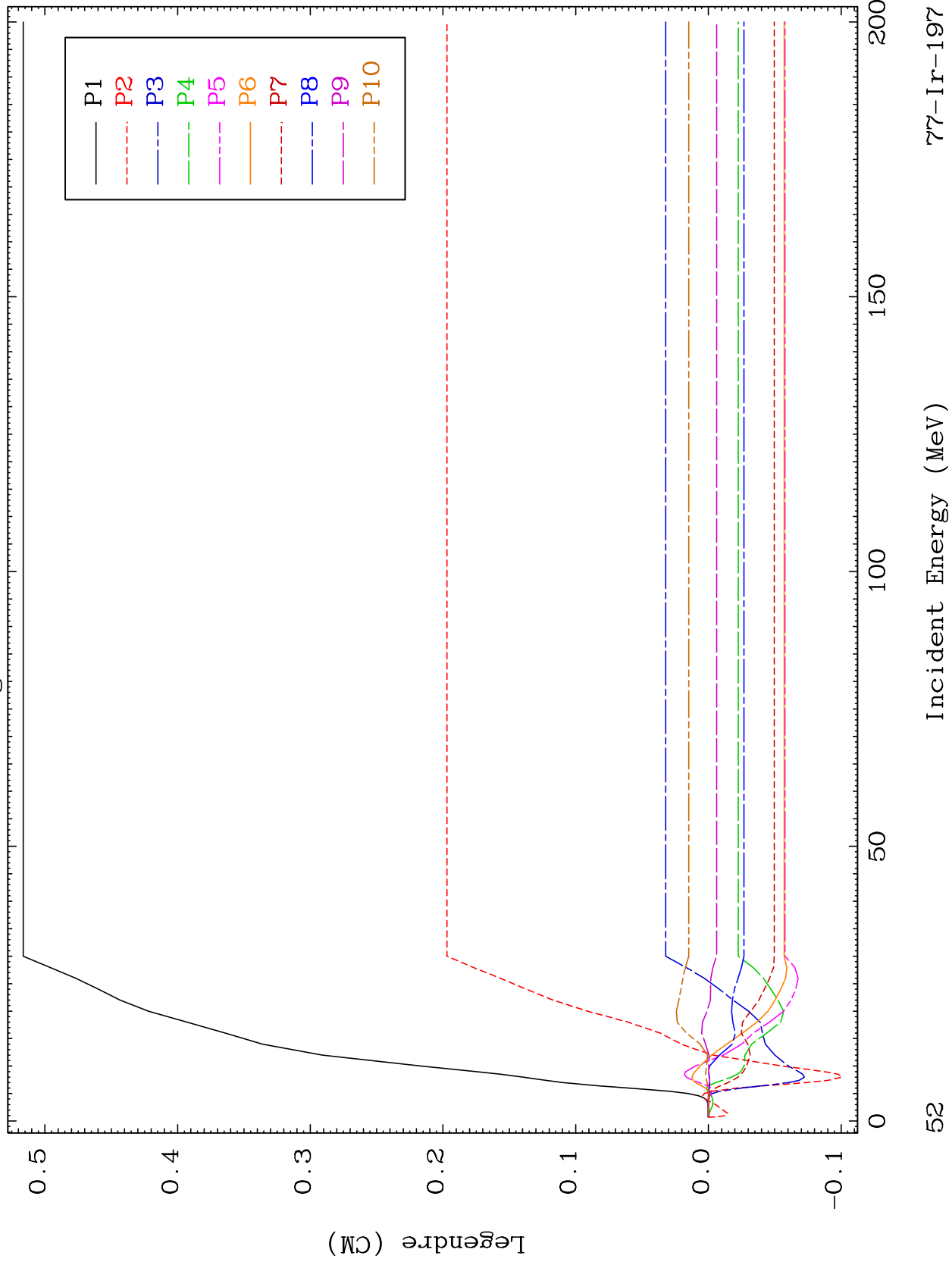
77-Ir-197



MAT 7743

654.0 keV (n,n') Level  
Legendre Coefficients

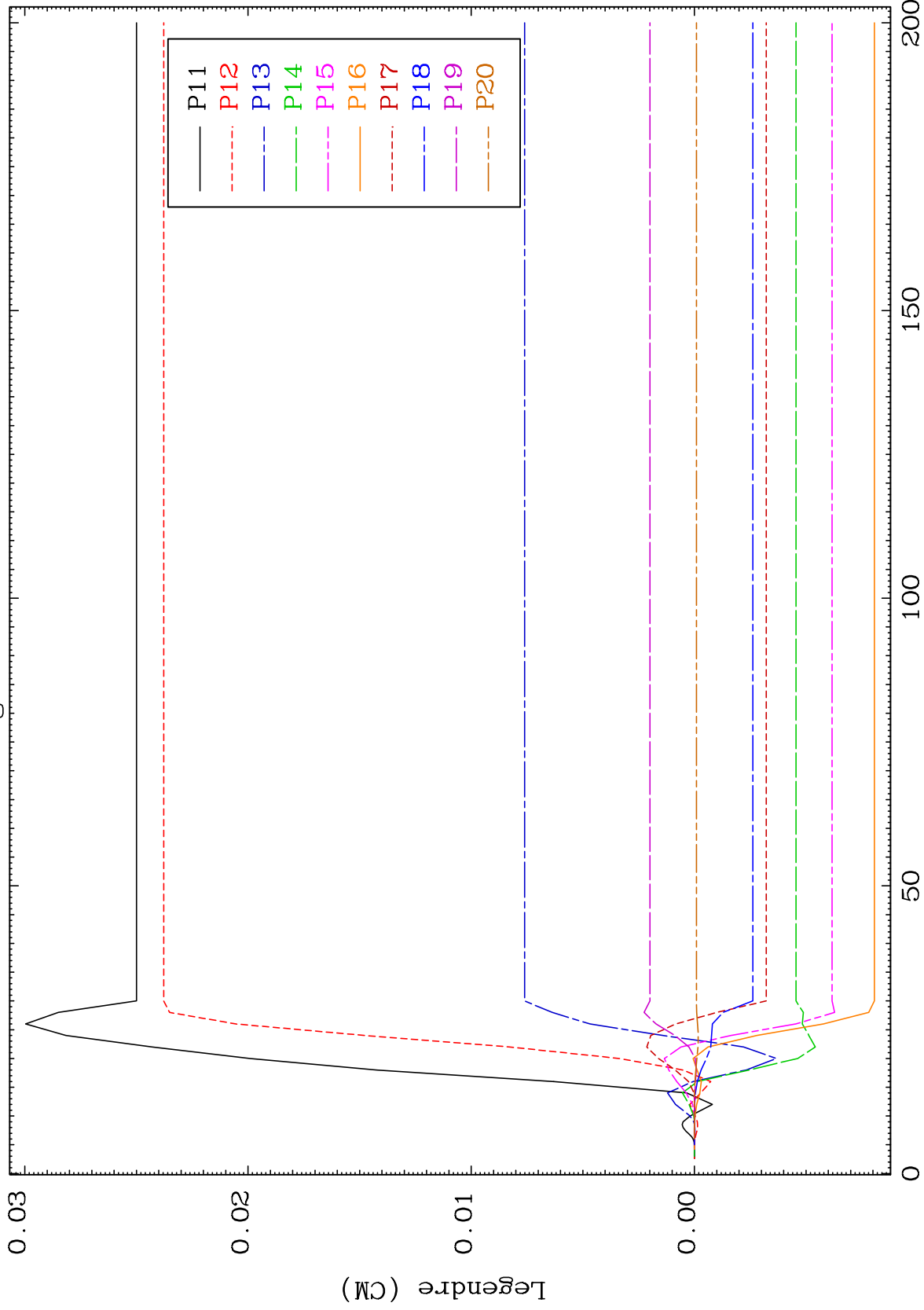
77-Ir-197



77-Ir-197

Incident Energy (MeV)

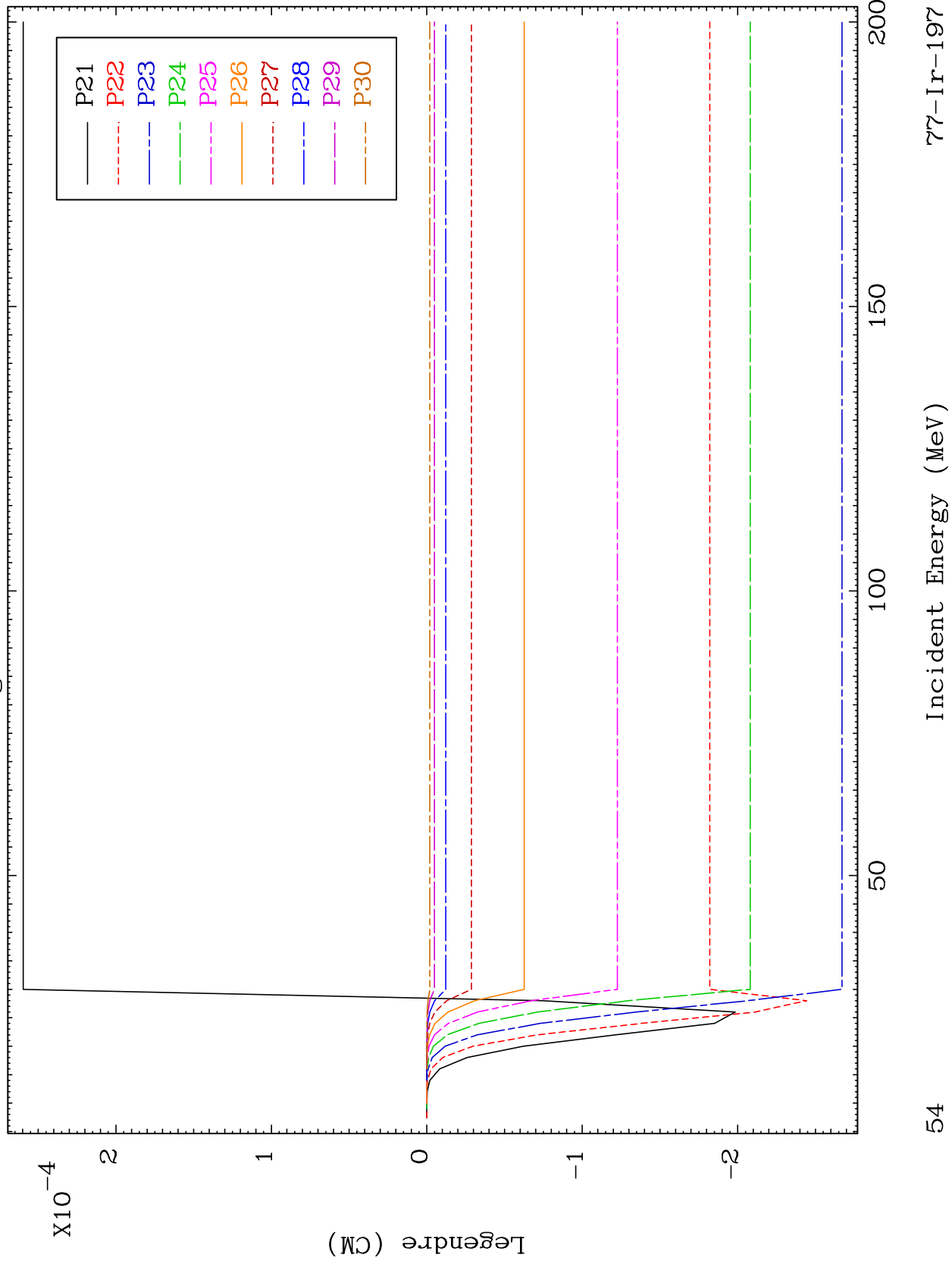
52



MAT 7743

654.0 keV (n,n') Level  
Legendre Coefficients

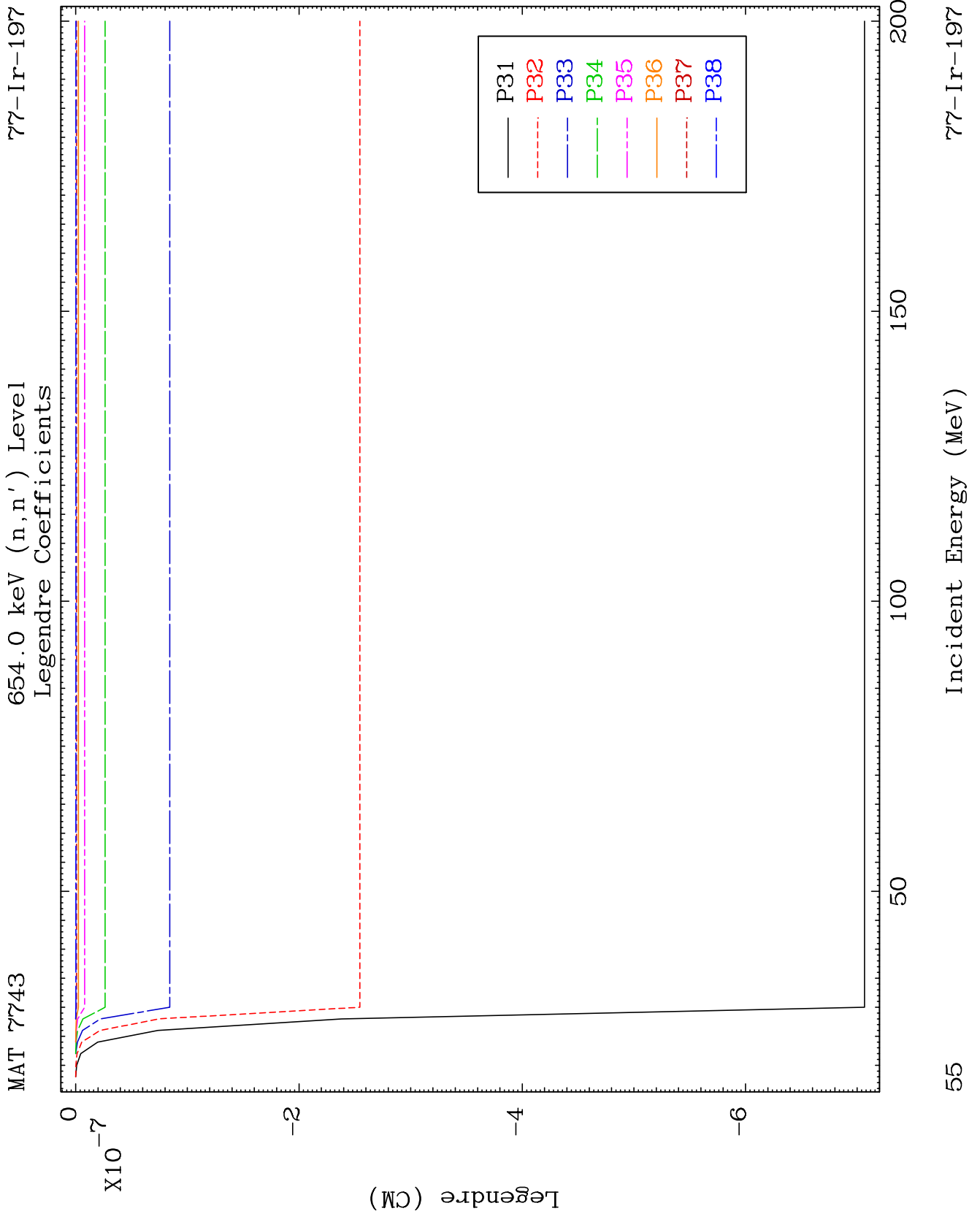
77-Ir-197



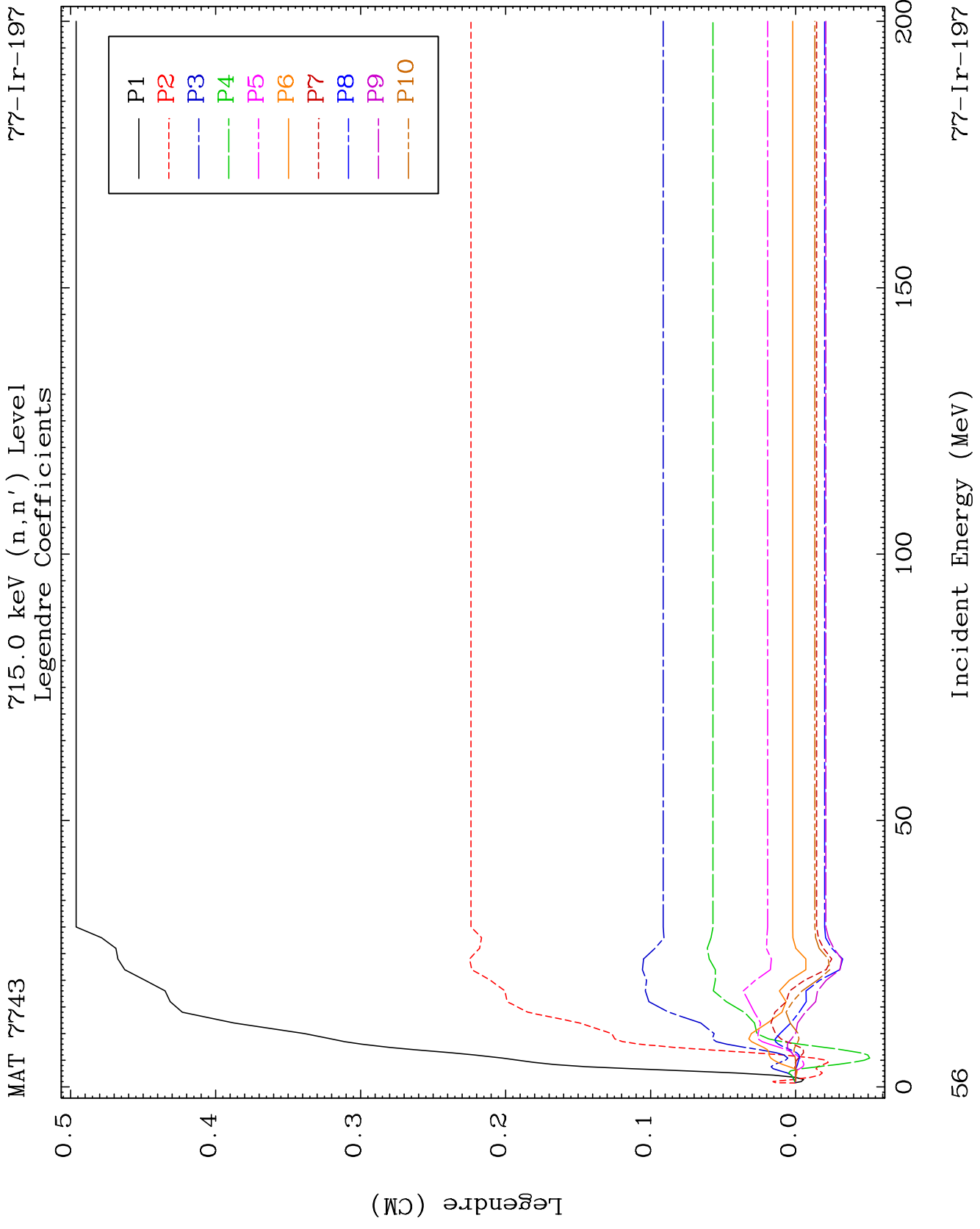
54

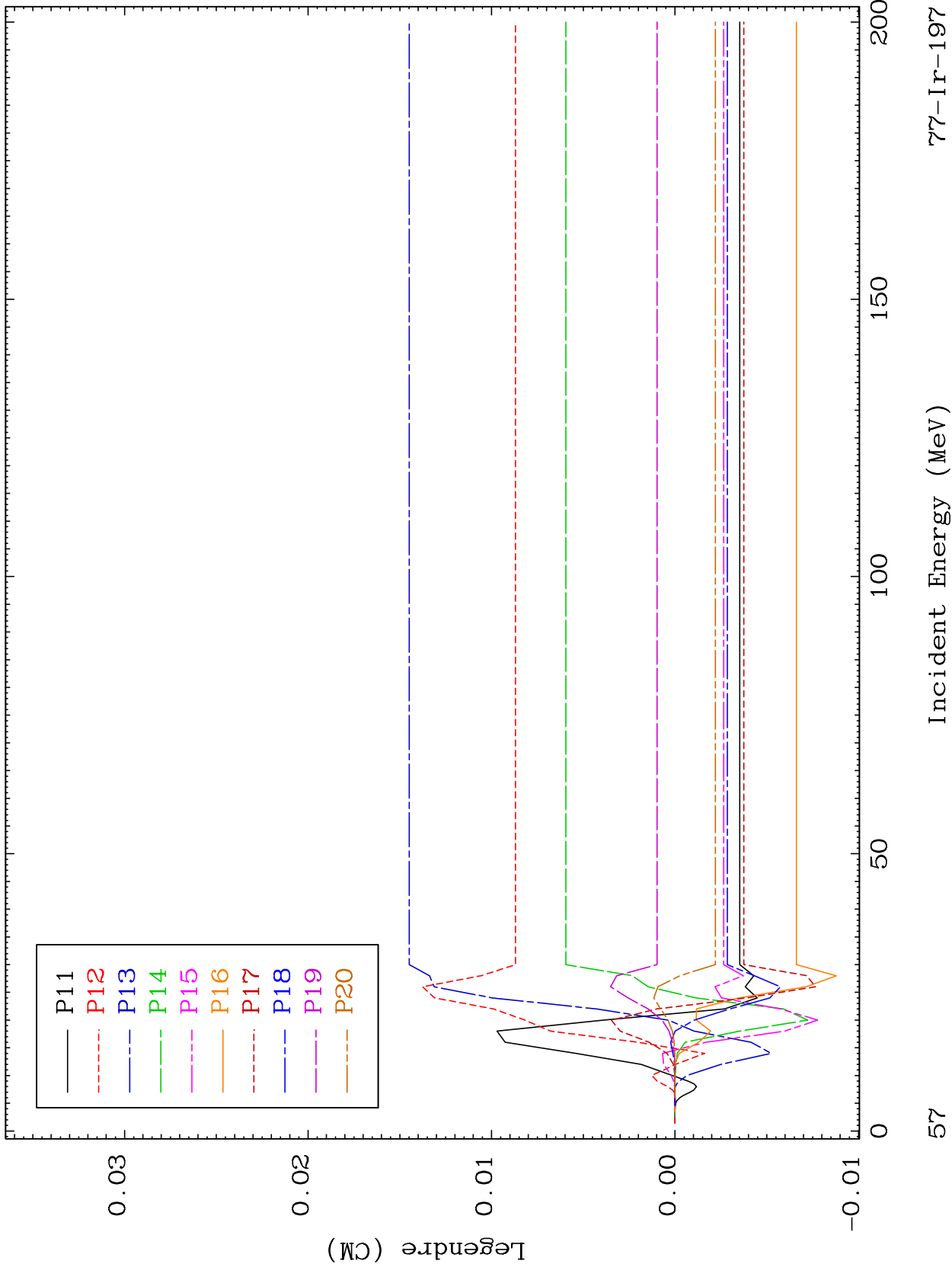
Incident Energy (MeV)

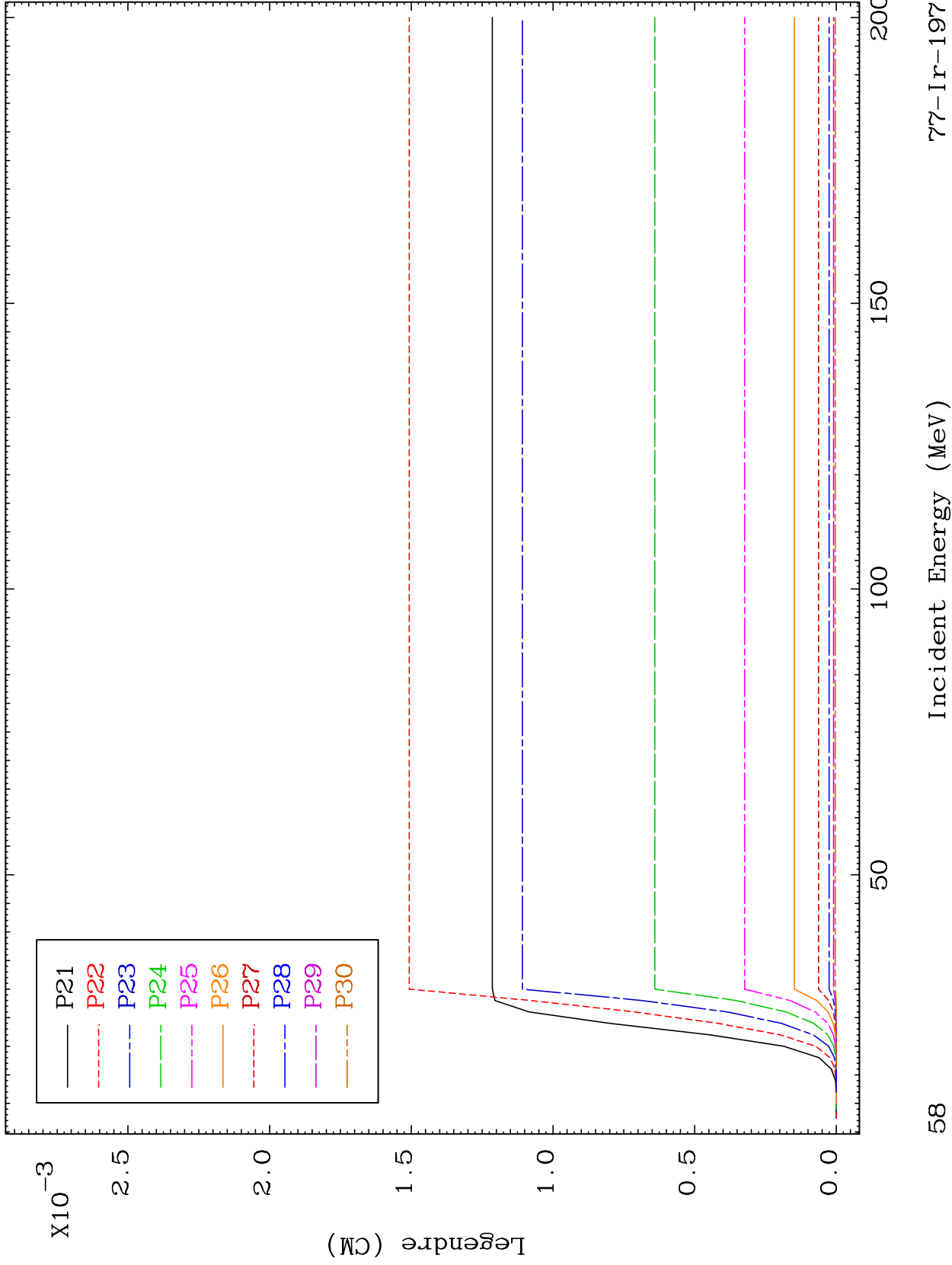
77-Ir-197

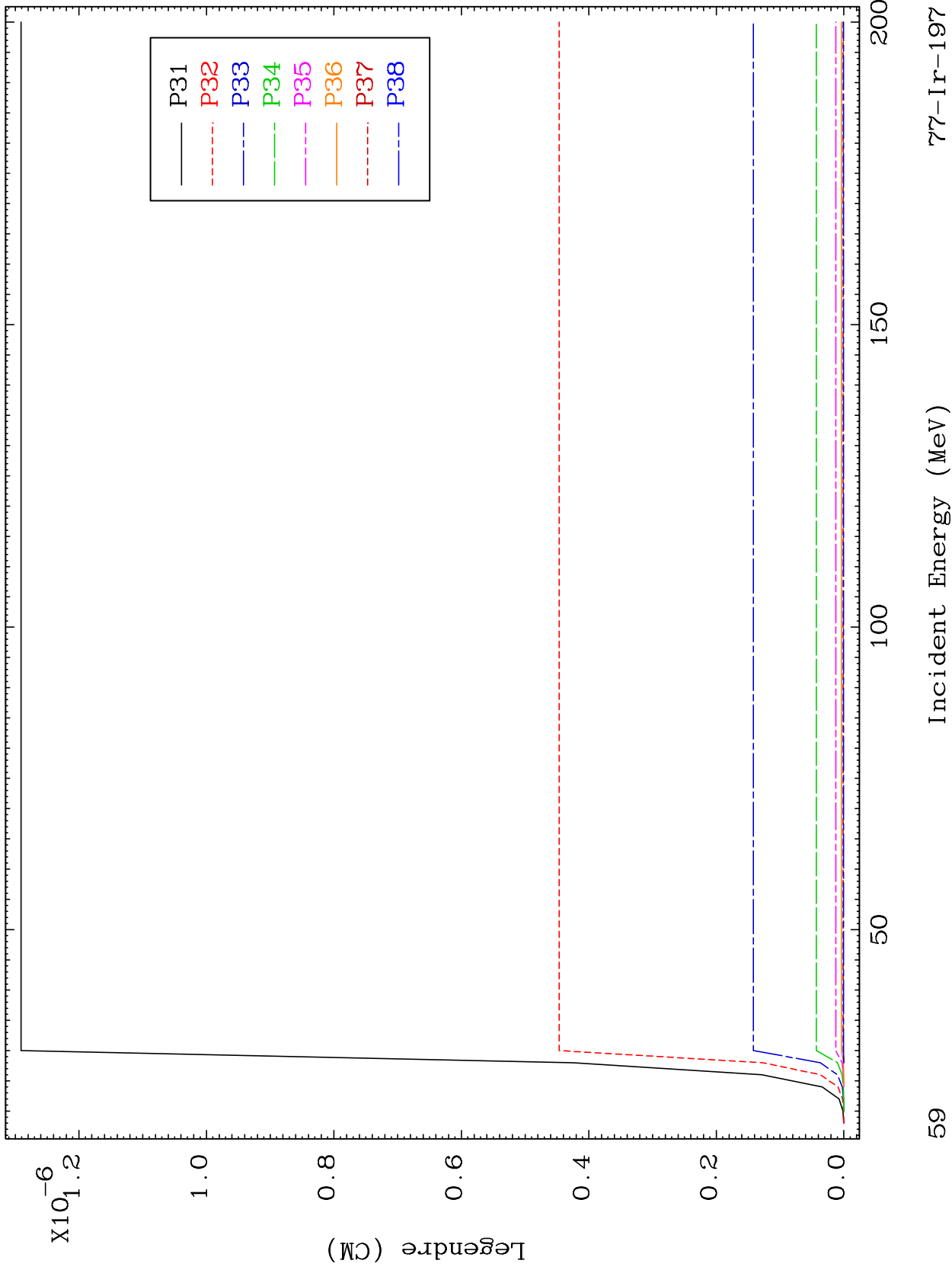








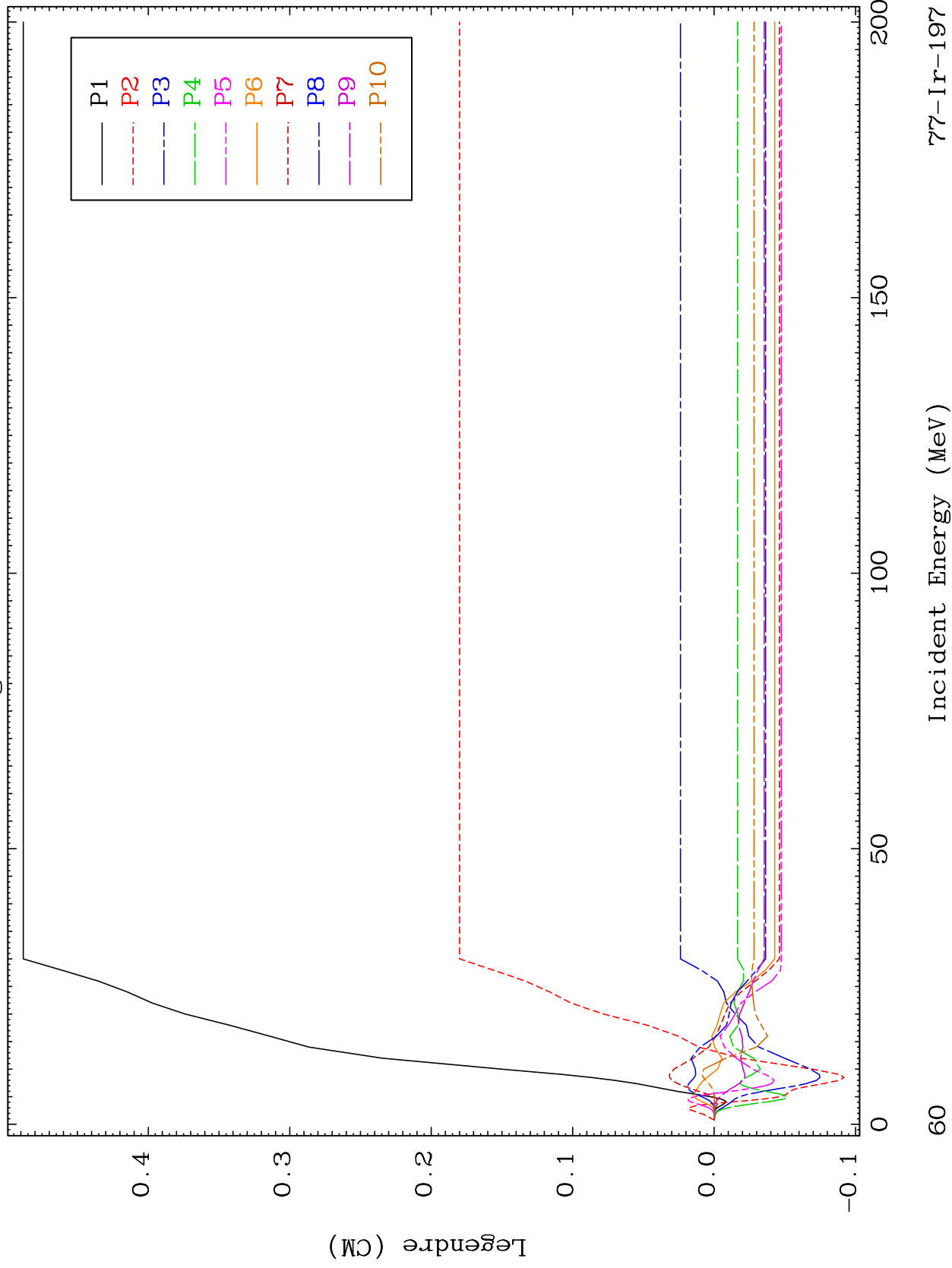




MAT 7743

761.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197

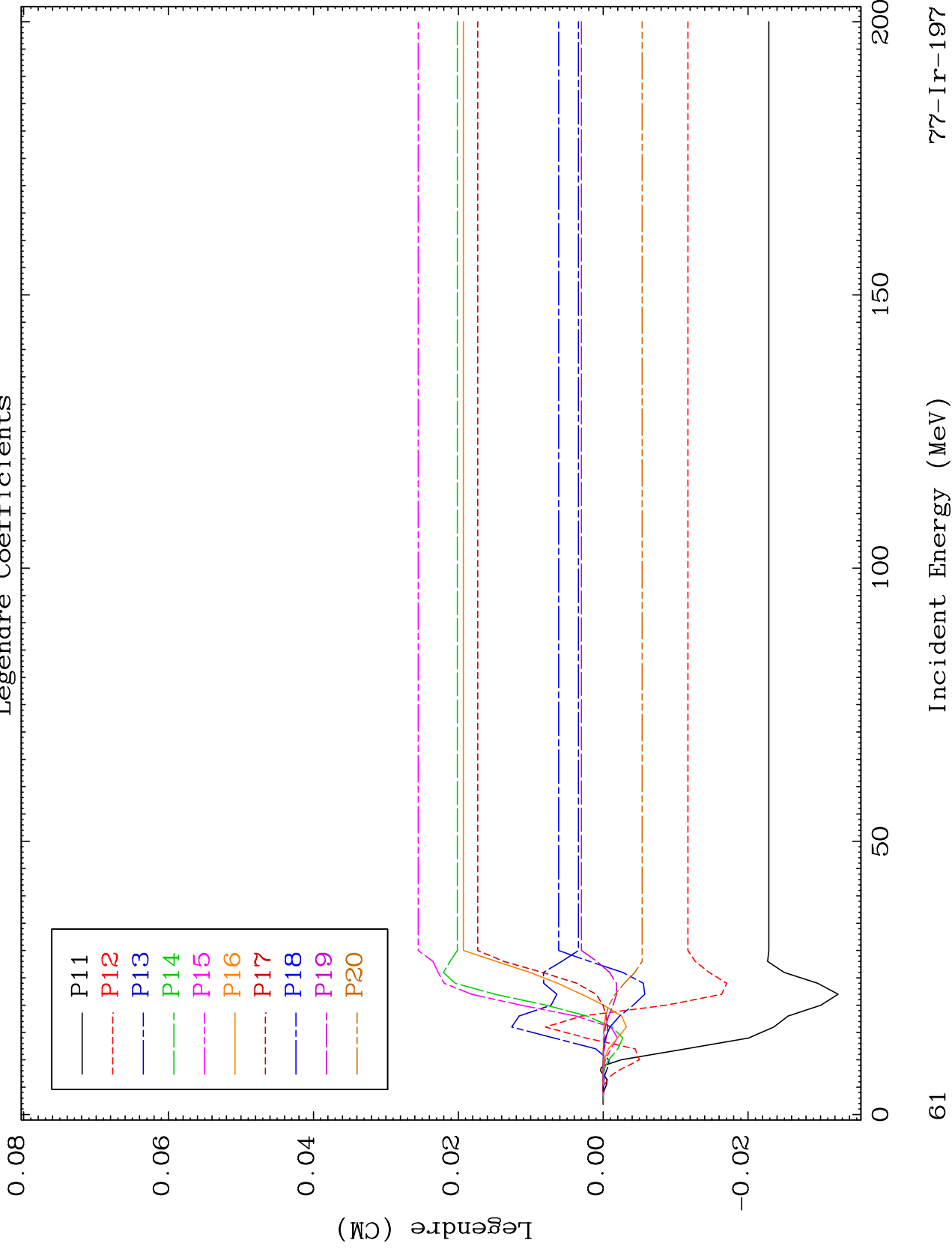


77-Ir-197

MAT 7743

761.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



61

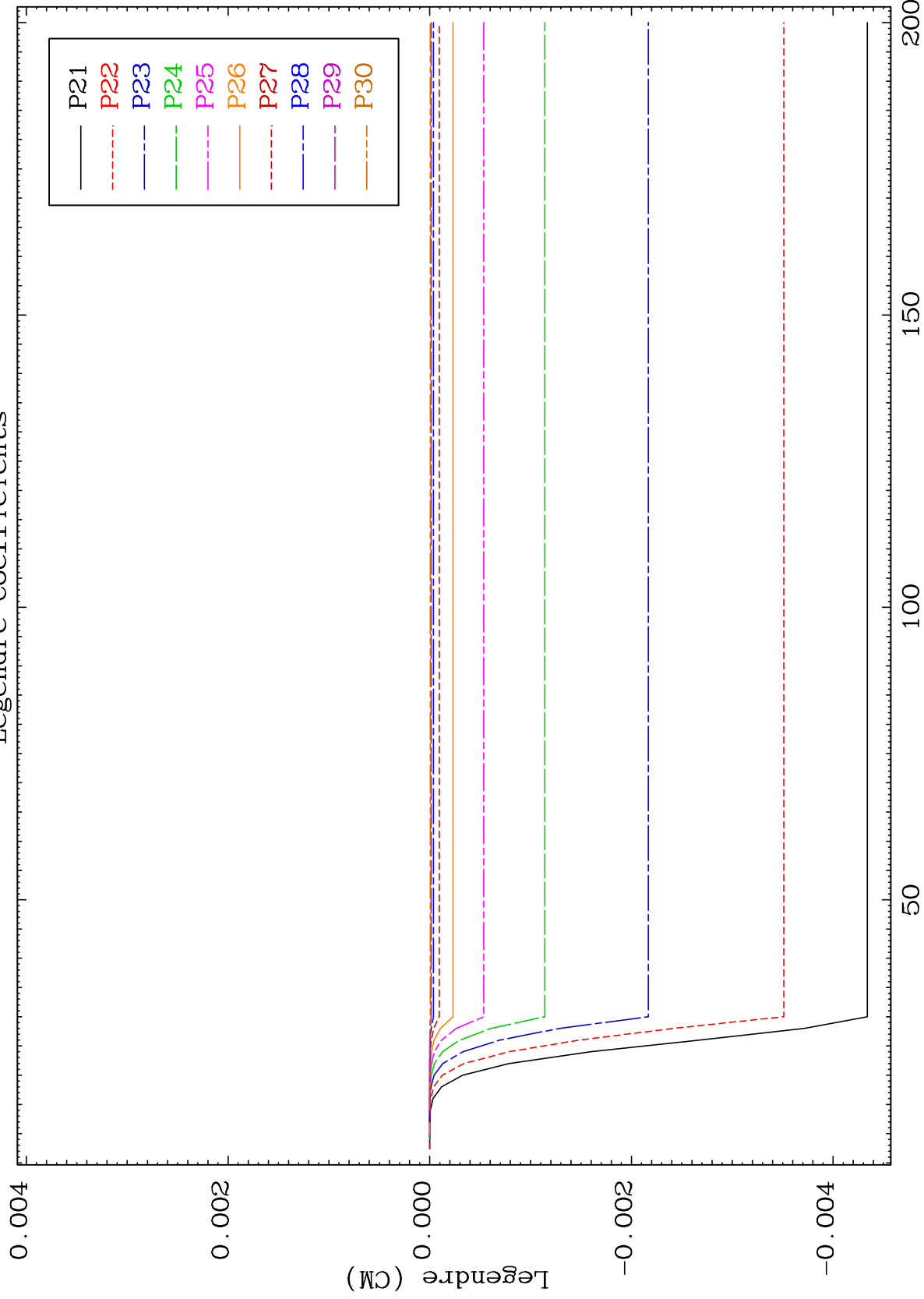
Incident Energy (MeV)

77-Ir-197

MAT 7743

761.0 keV (n,n') Level  
Legendre Coefficients

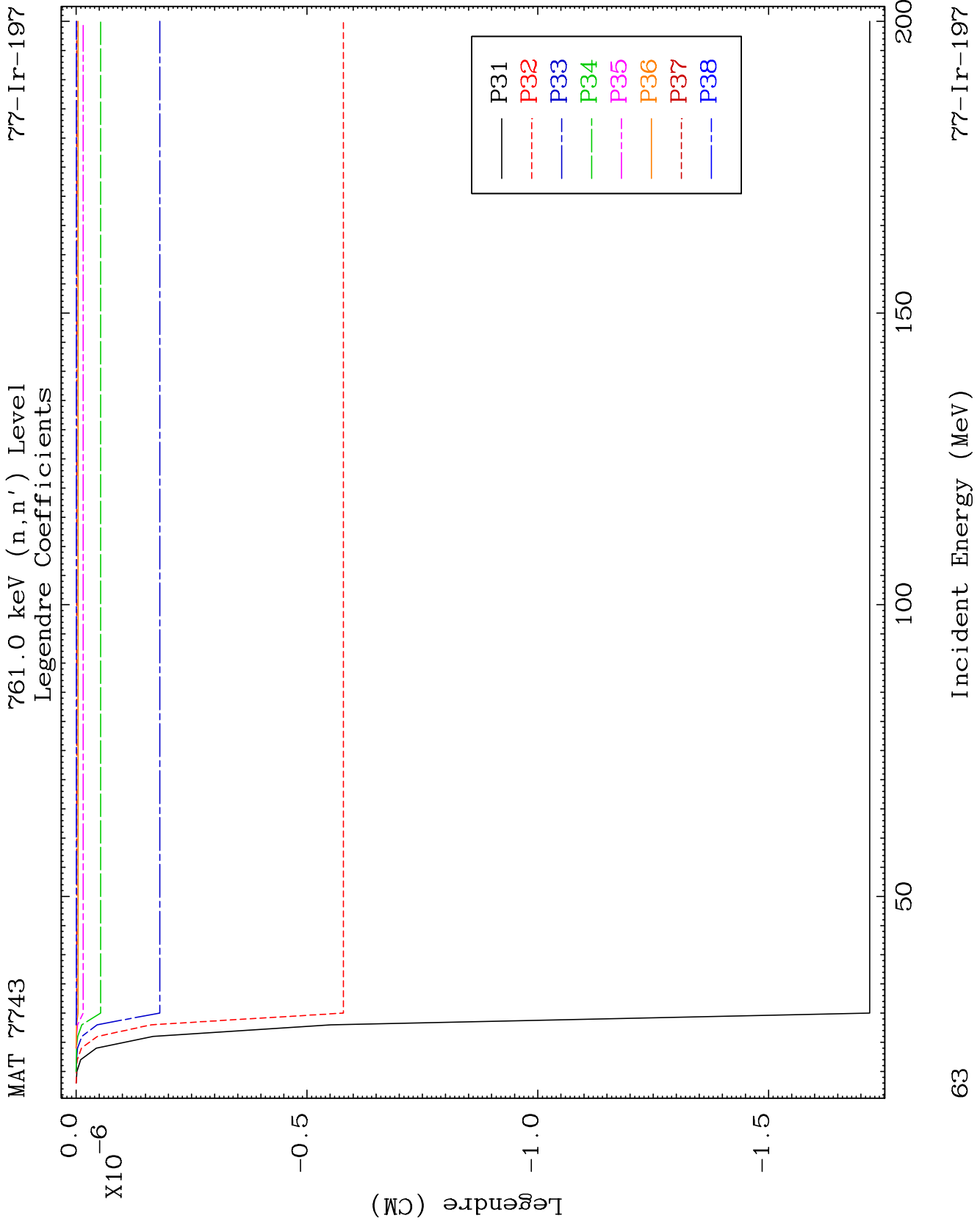
77-Ir-197



62

Incident Energy (MeV)

77-Ir-197



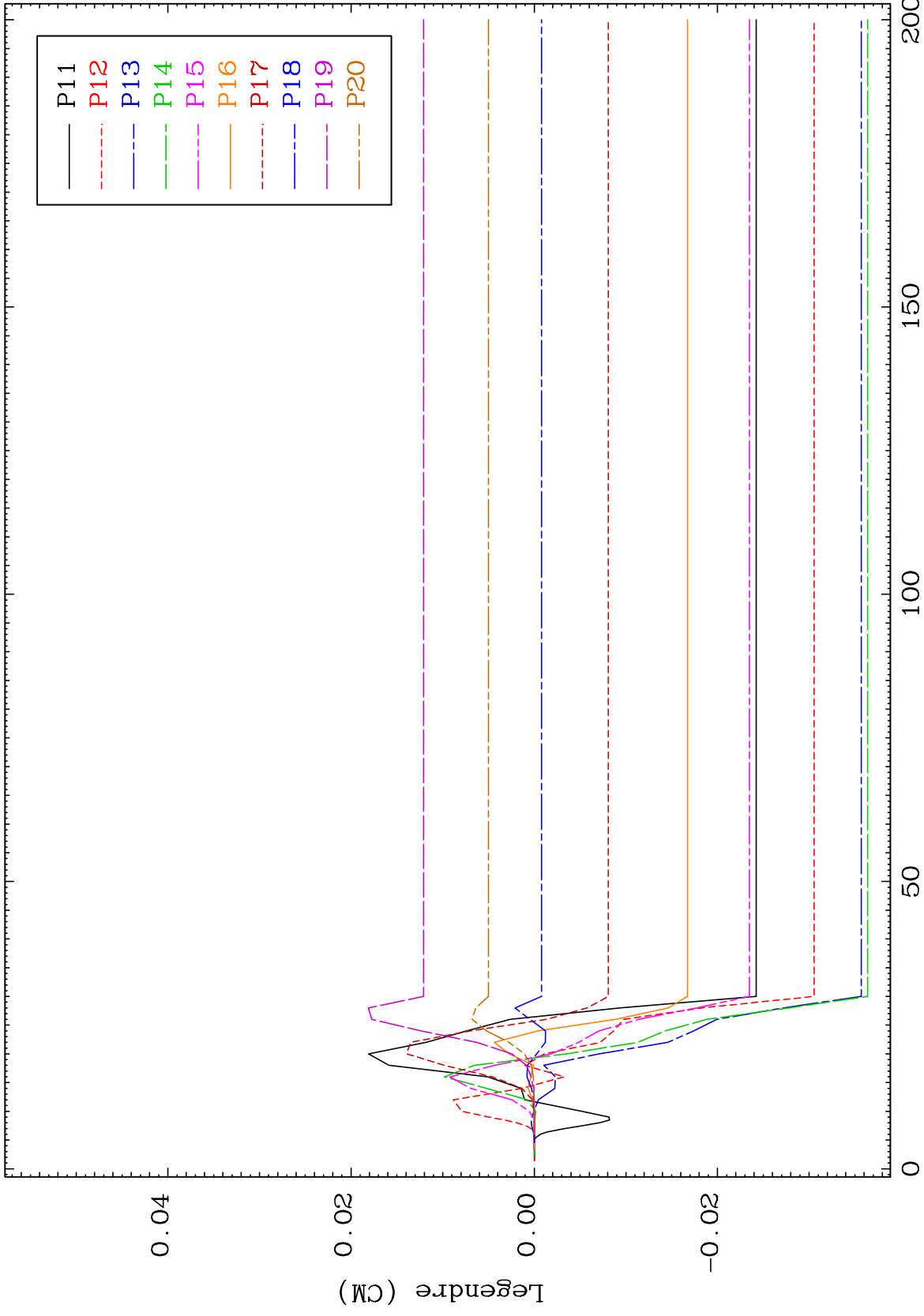




MAT 7743

885.0 keV (n,n') Level  
Legendre Coefficients

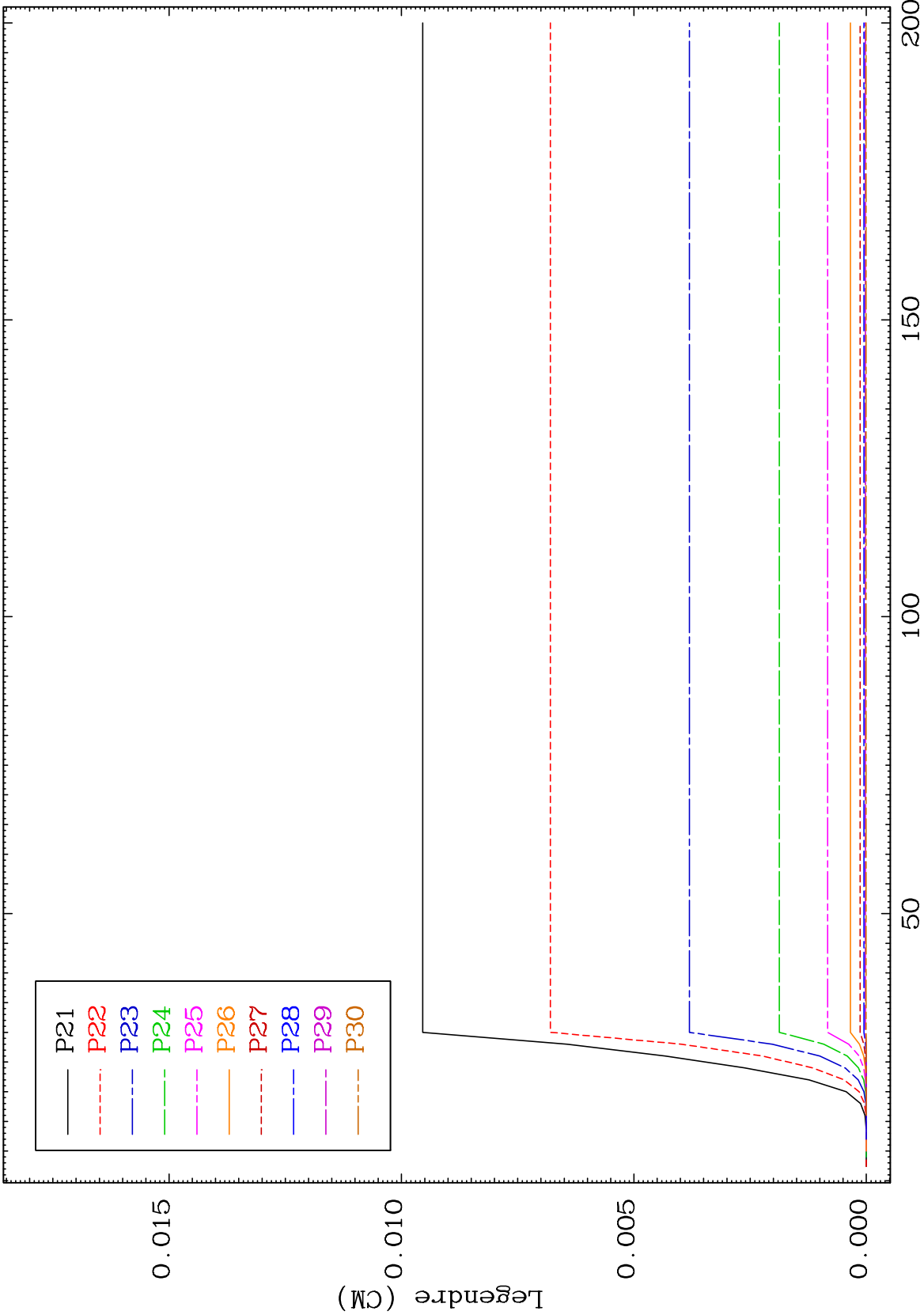
77-Ir-197



65

Incident Energy (MeV)

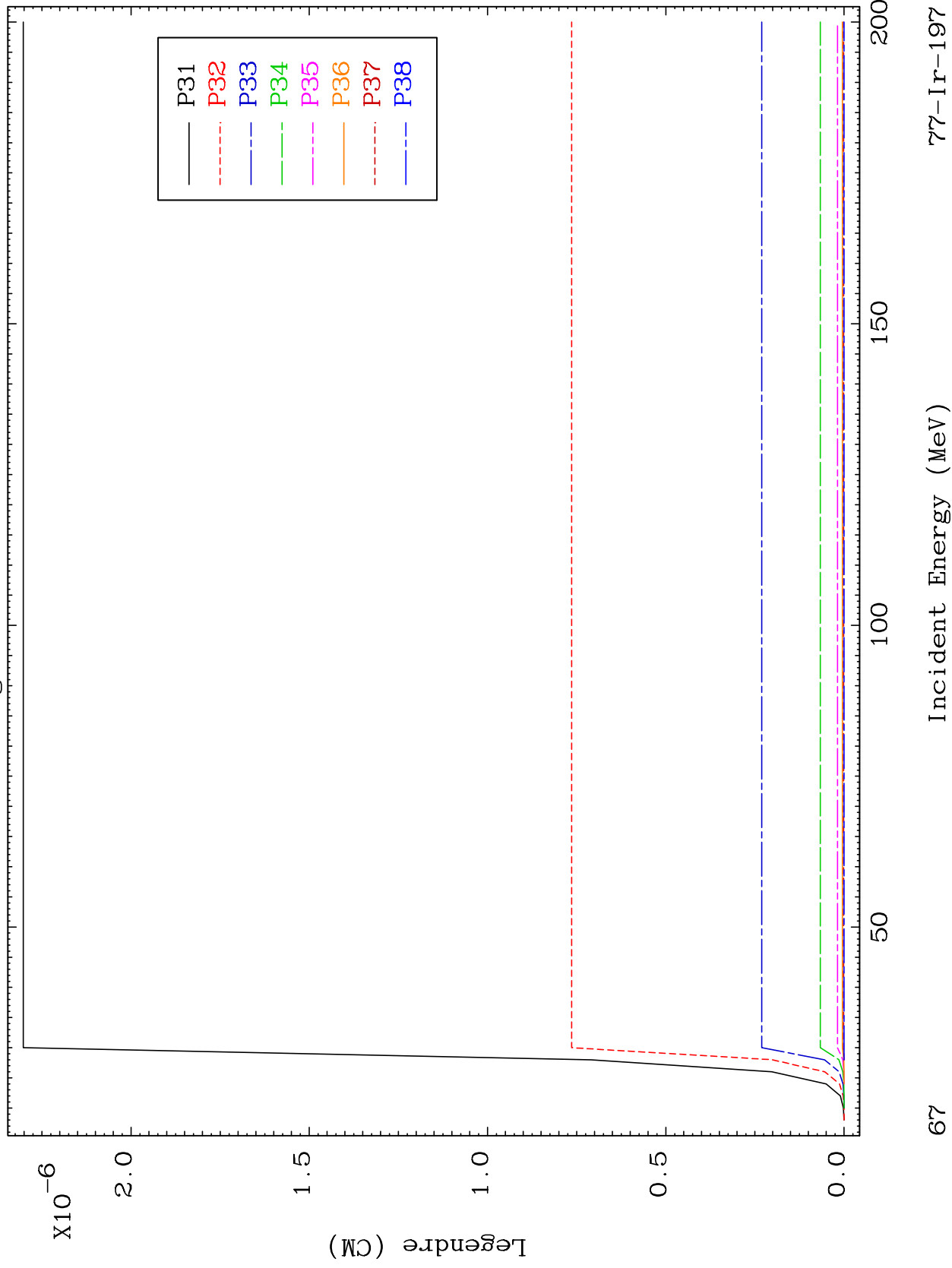
77-Ir-197



MAT 7743

885.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

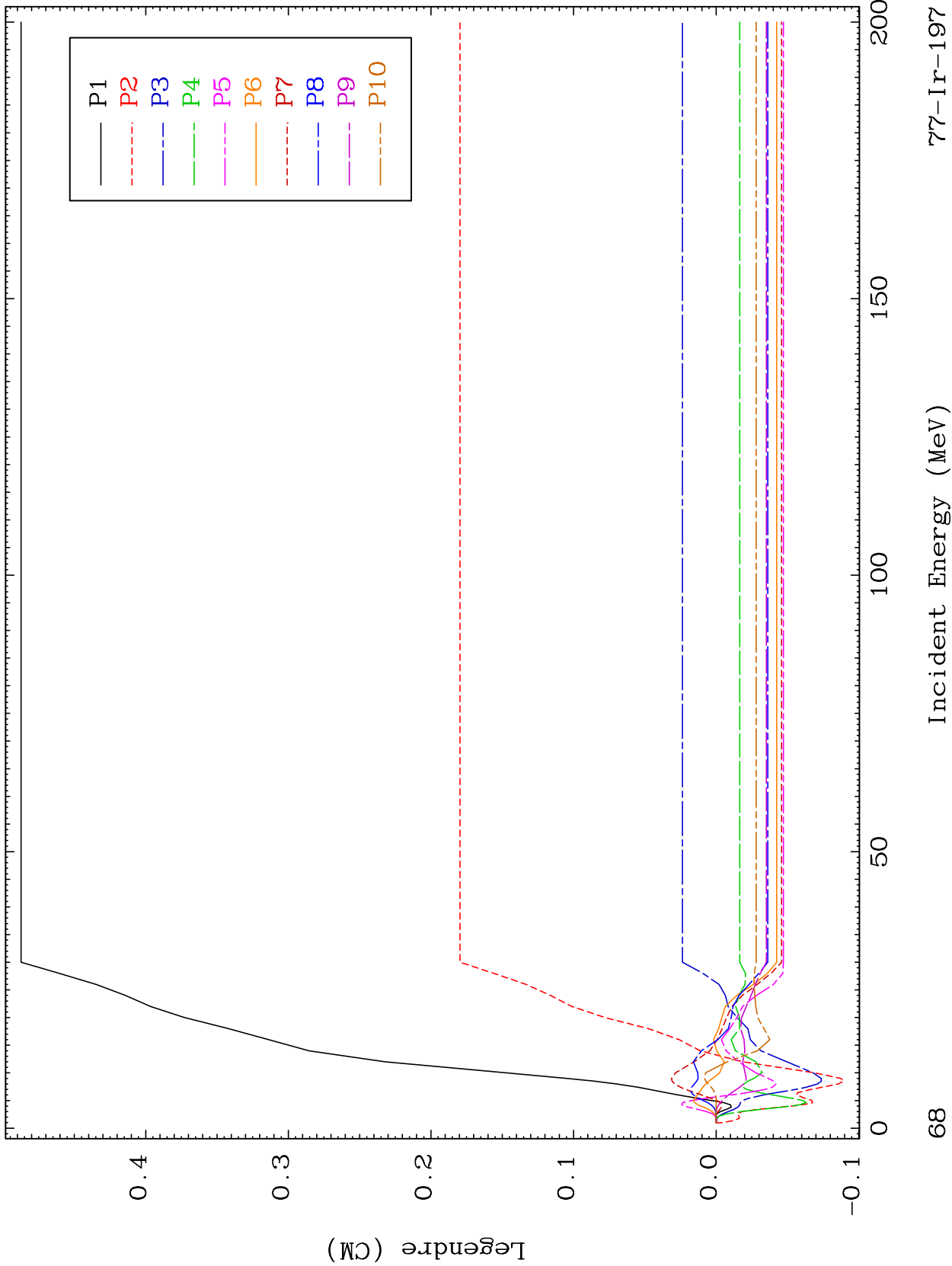
Incident Energy (MeV)

67

MAT 7743

924.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

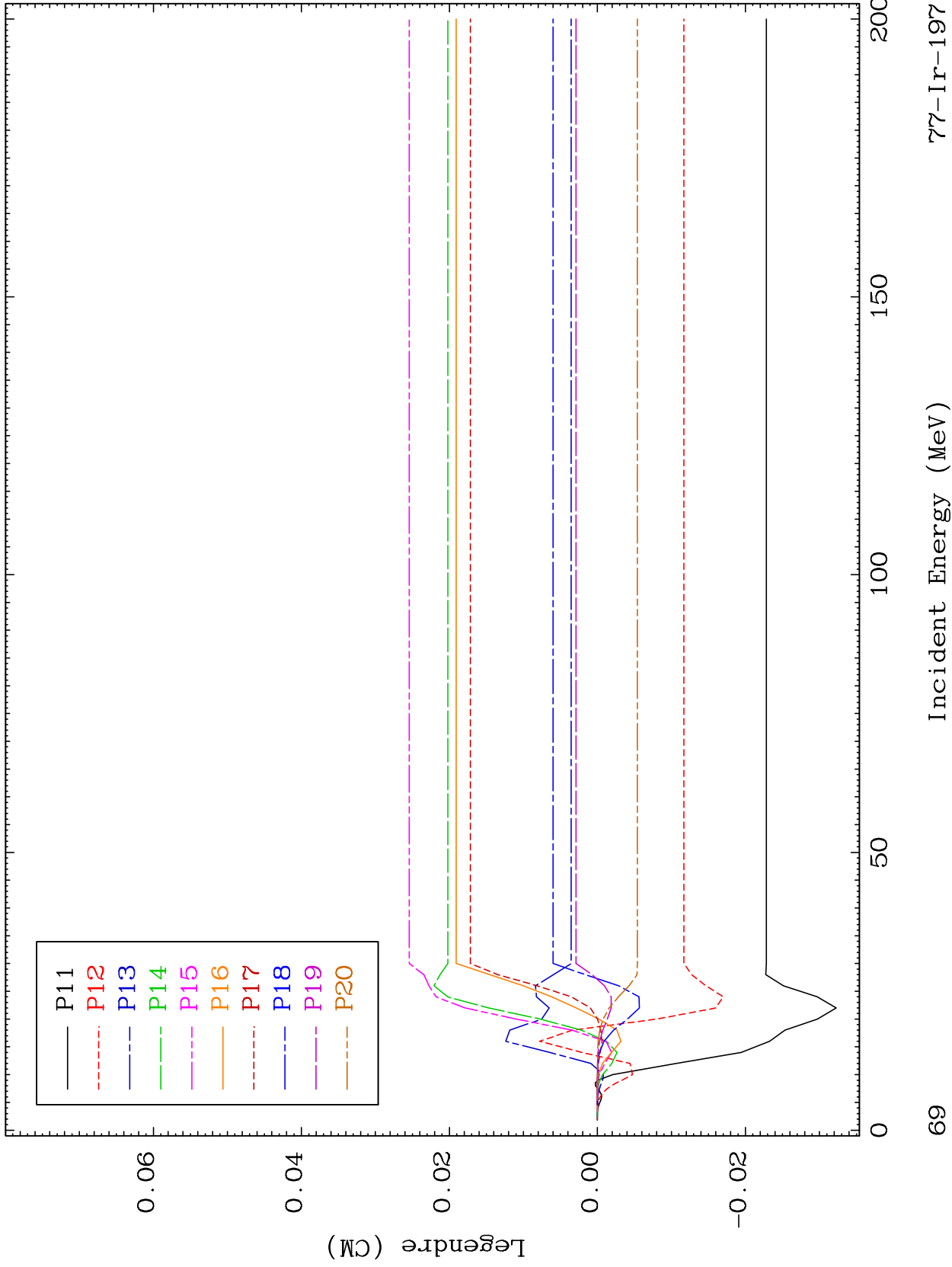
Incident Energy (MeV)

68

MAT 7743

924.0 keV (n,n') Level  
Legendre Coefficients

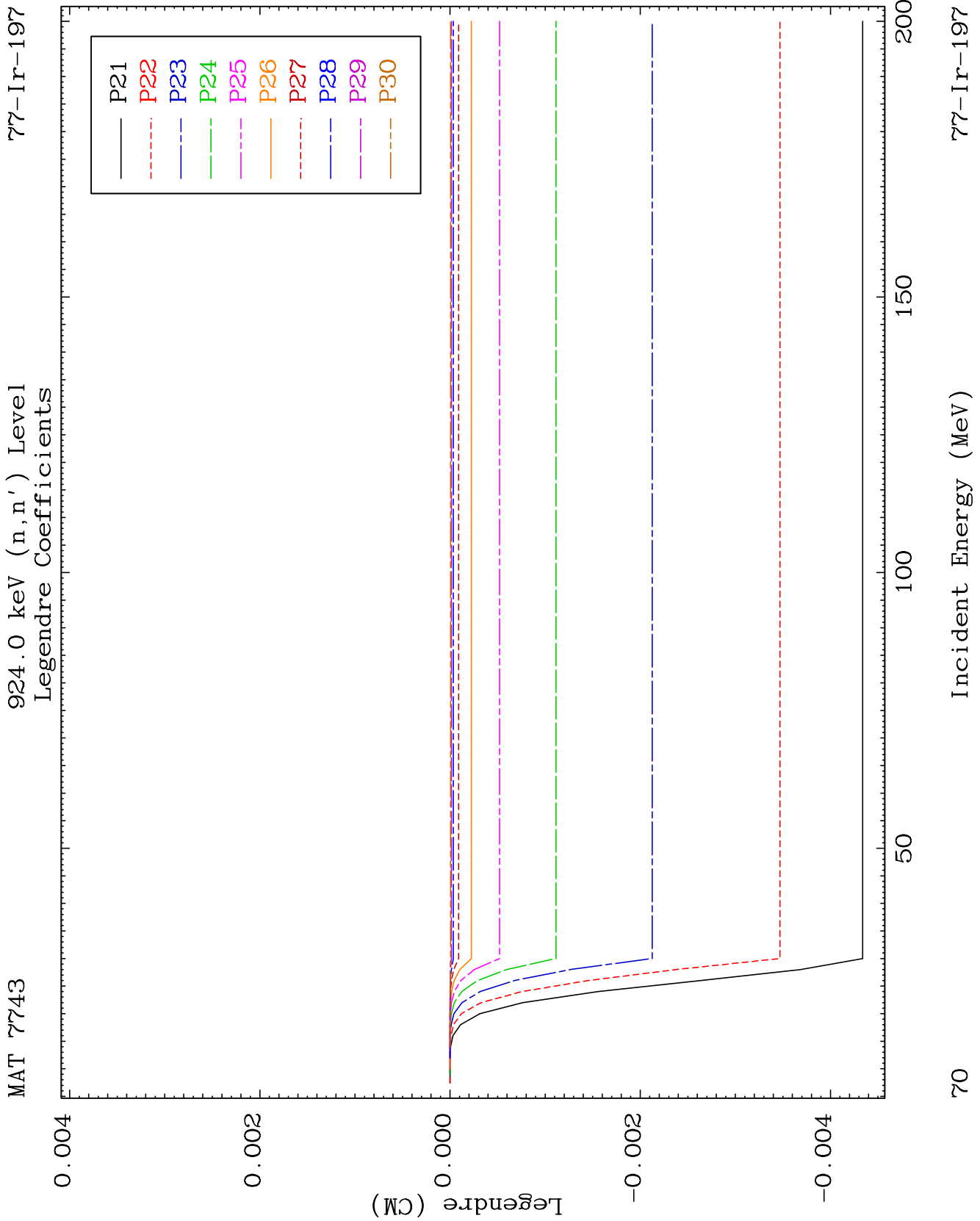
77-Ir-197

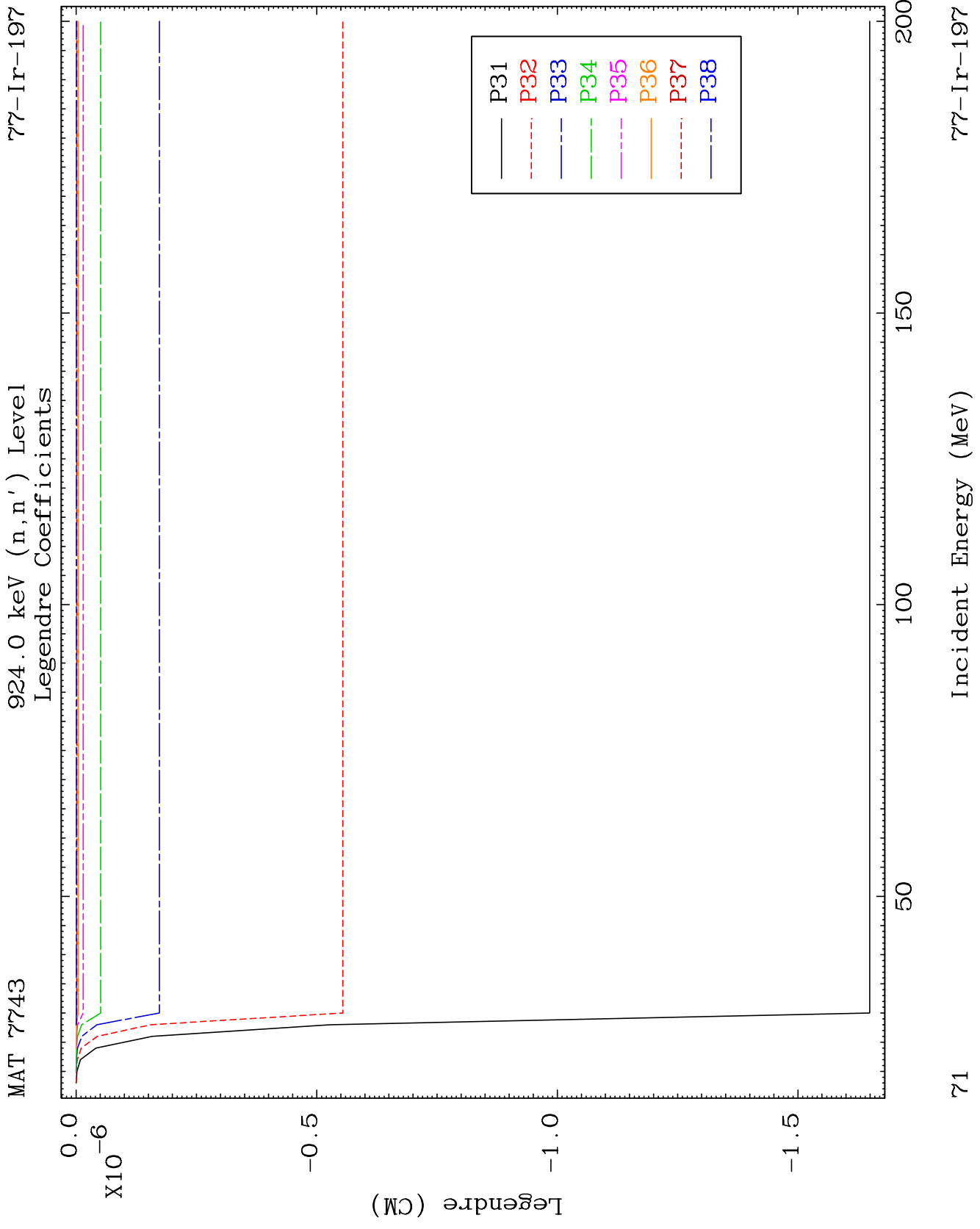


69

Incident Energy (MeV)

77-Ir-197



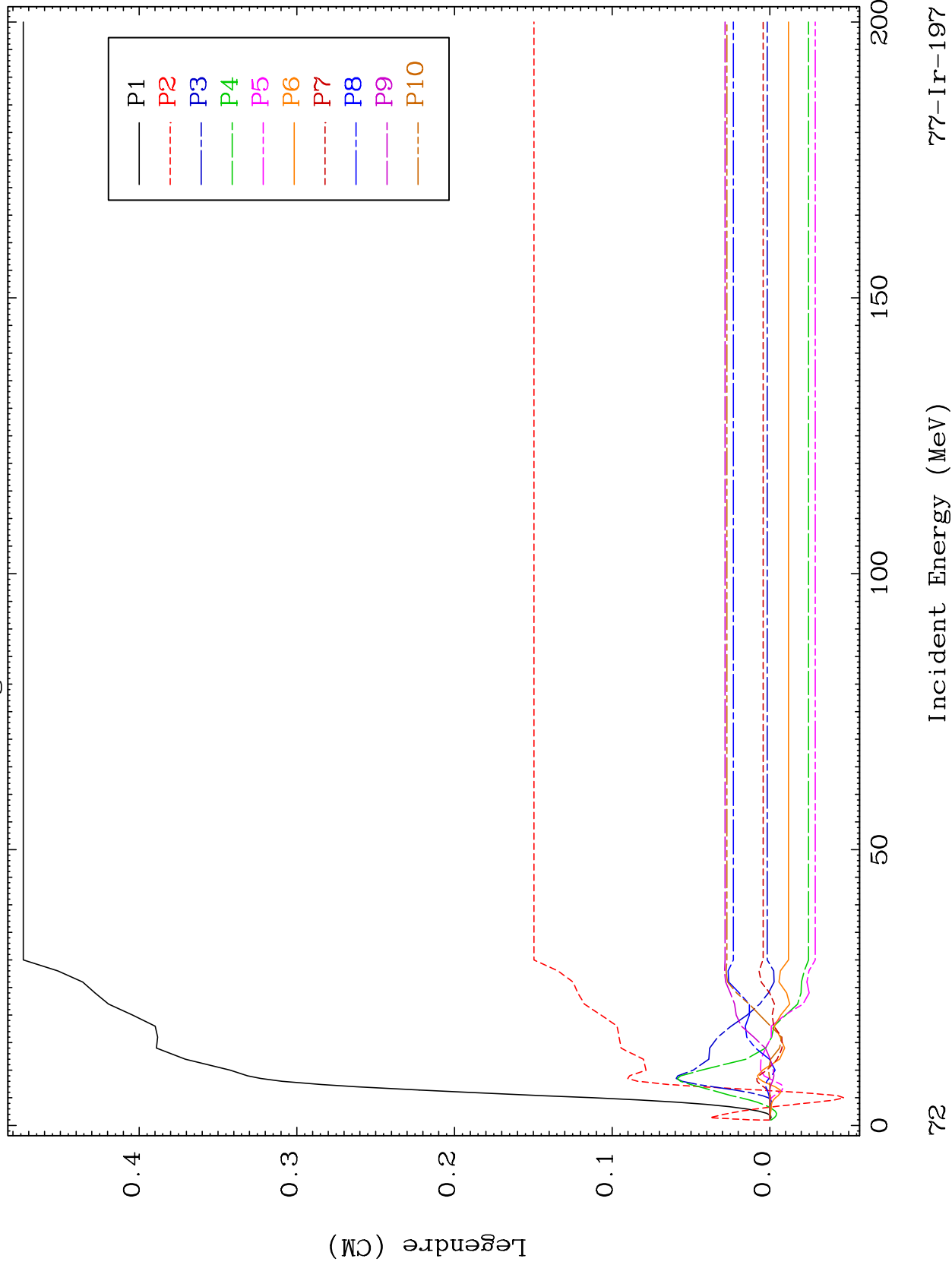




MAT 7743

960.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

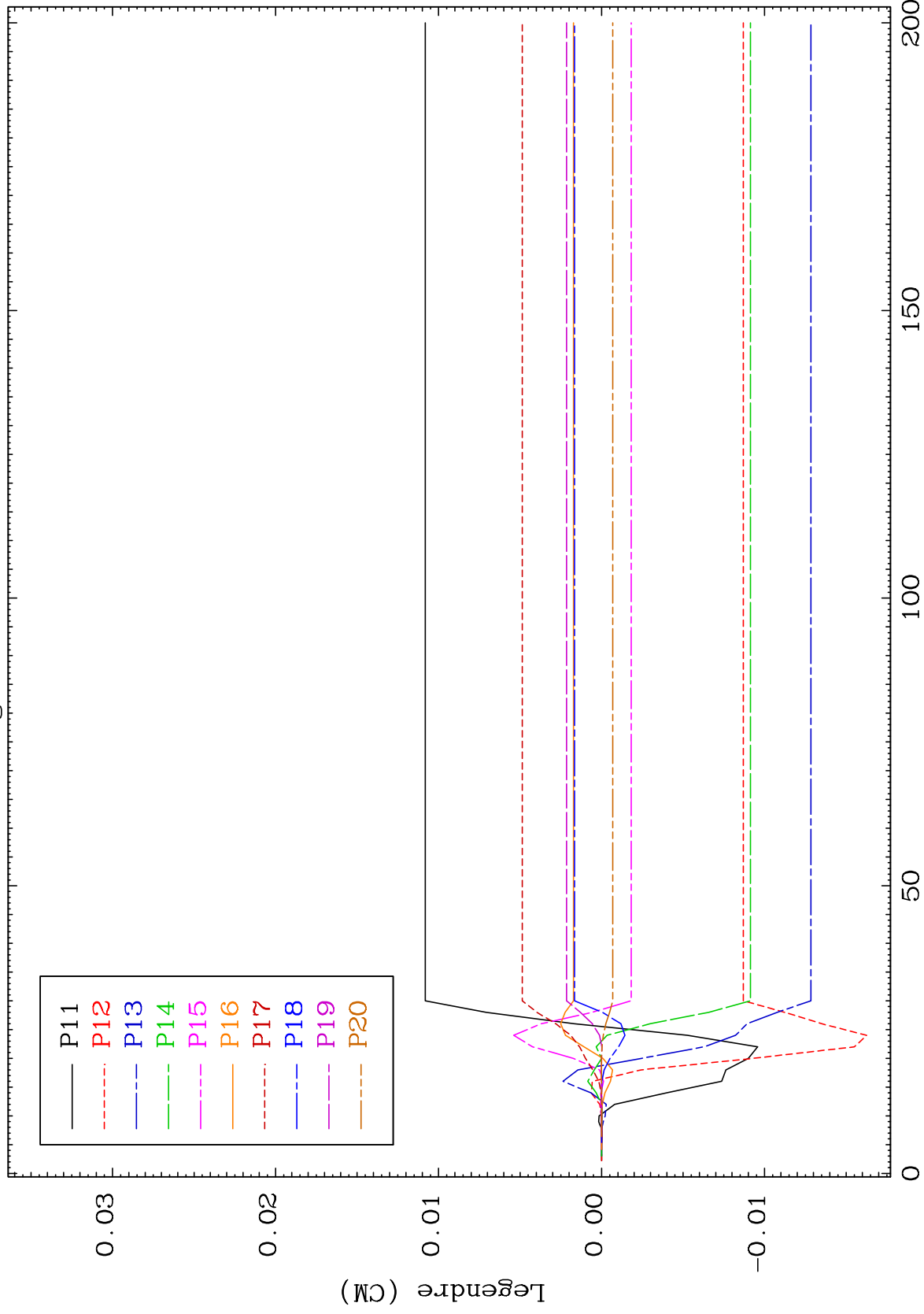
Incident Energy (MeV)

72

MAT 7743

960.0 keV (n,n') Level  
Legendre Coefficients

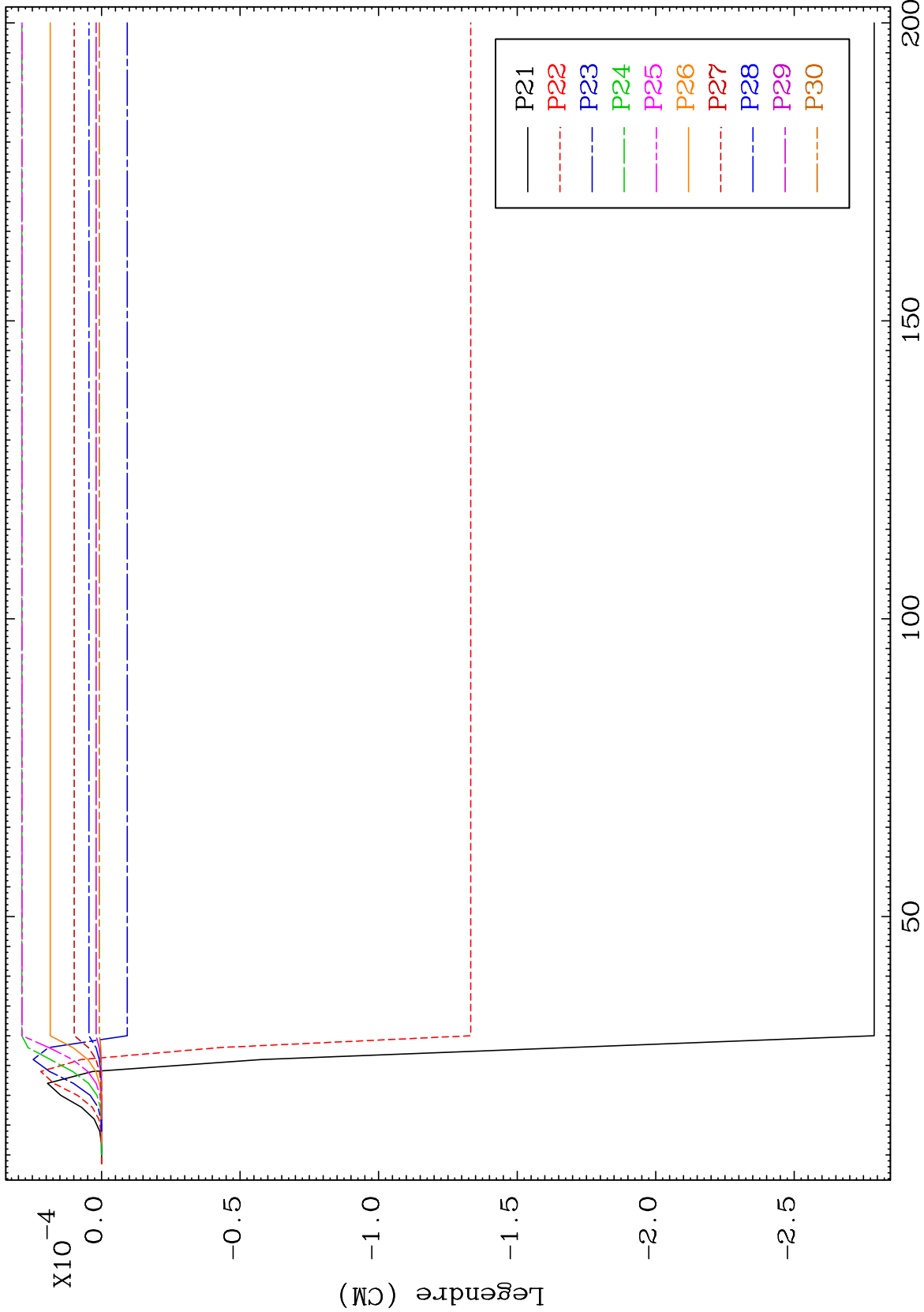
77-Ir-197



73

Incident Energy (MeV)

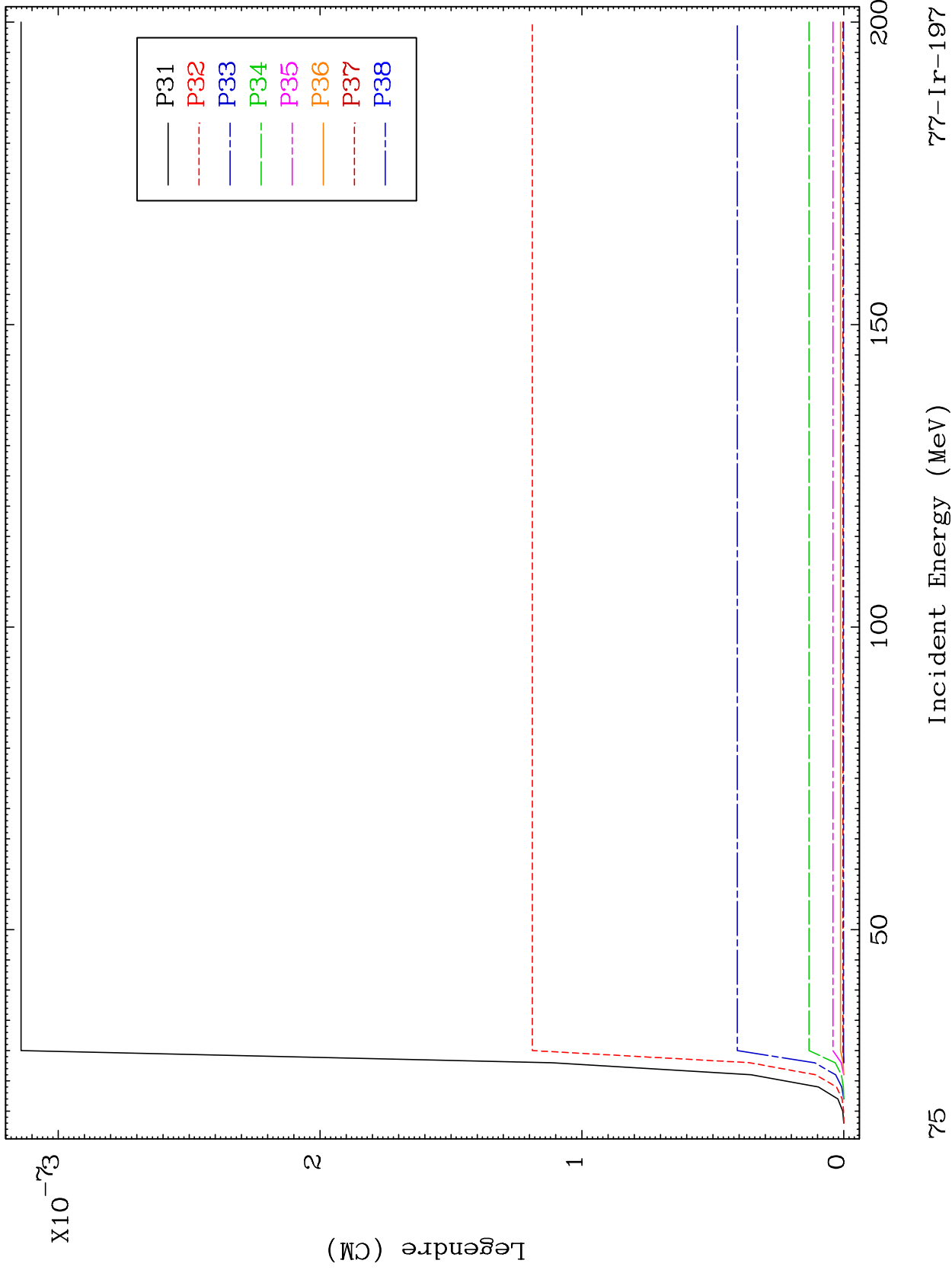
77-Ir-197



MAT 7743

960.0 keV (n,n') Level  
Legendre Coefficients

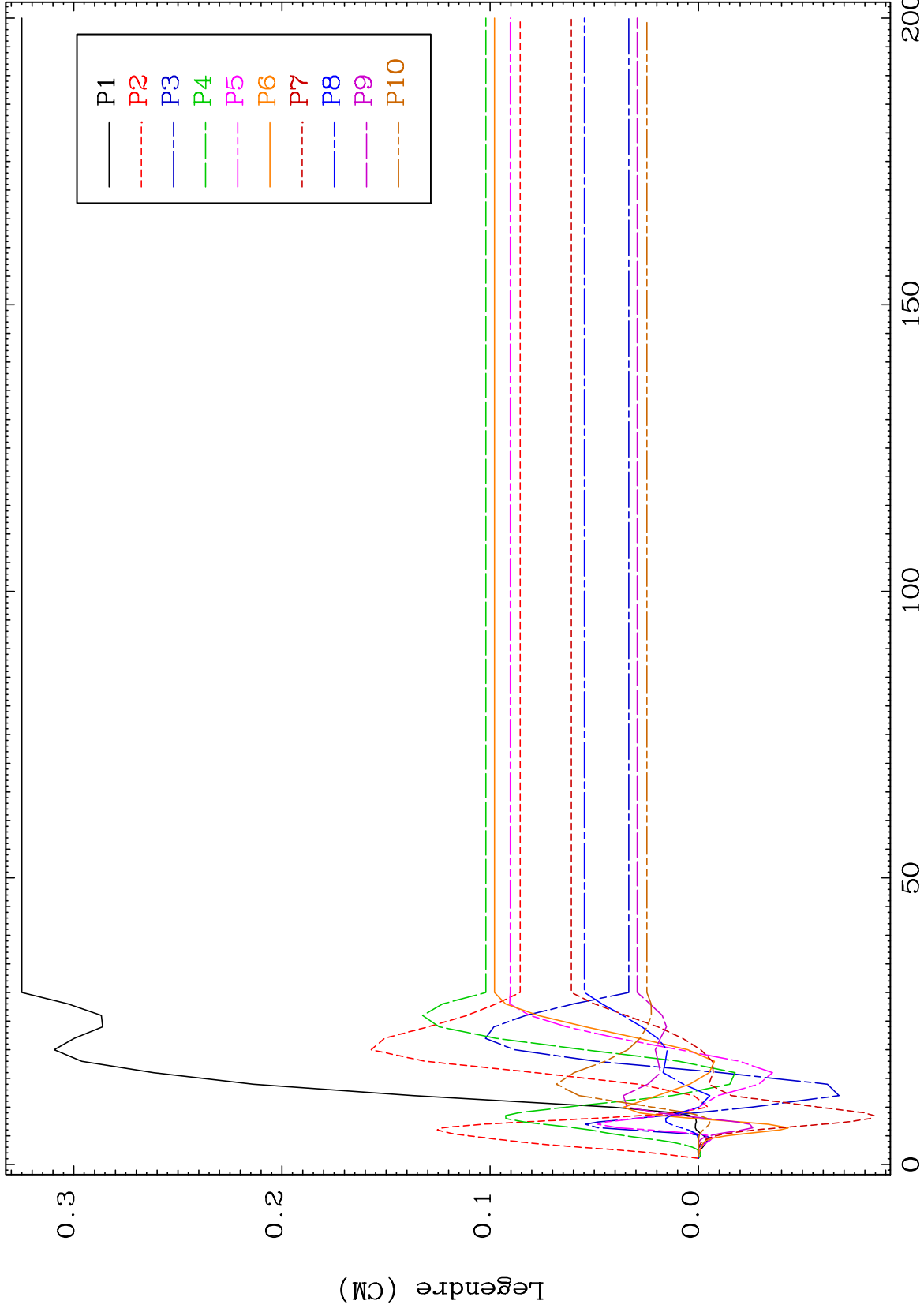
77-Ir-197



MAT 7743

1.043 MeV (n,n') Level  
Legendre Coefficients

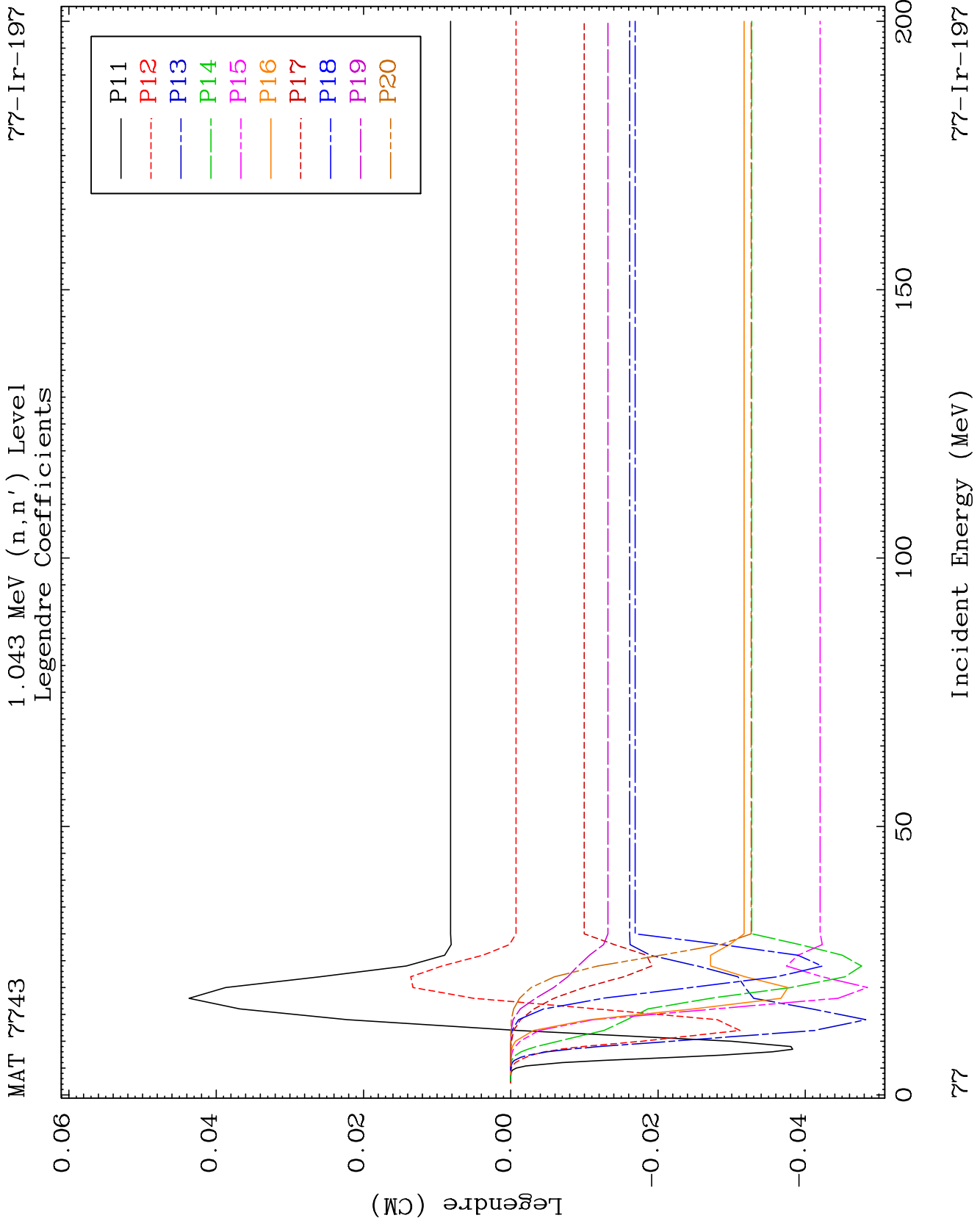
77-Ir-197

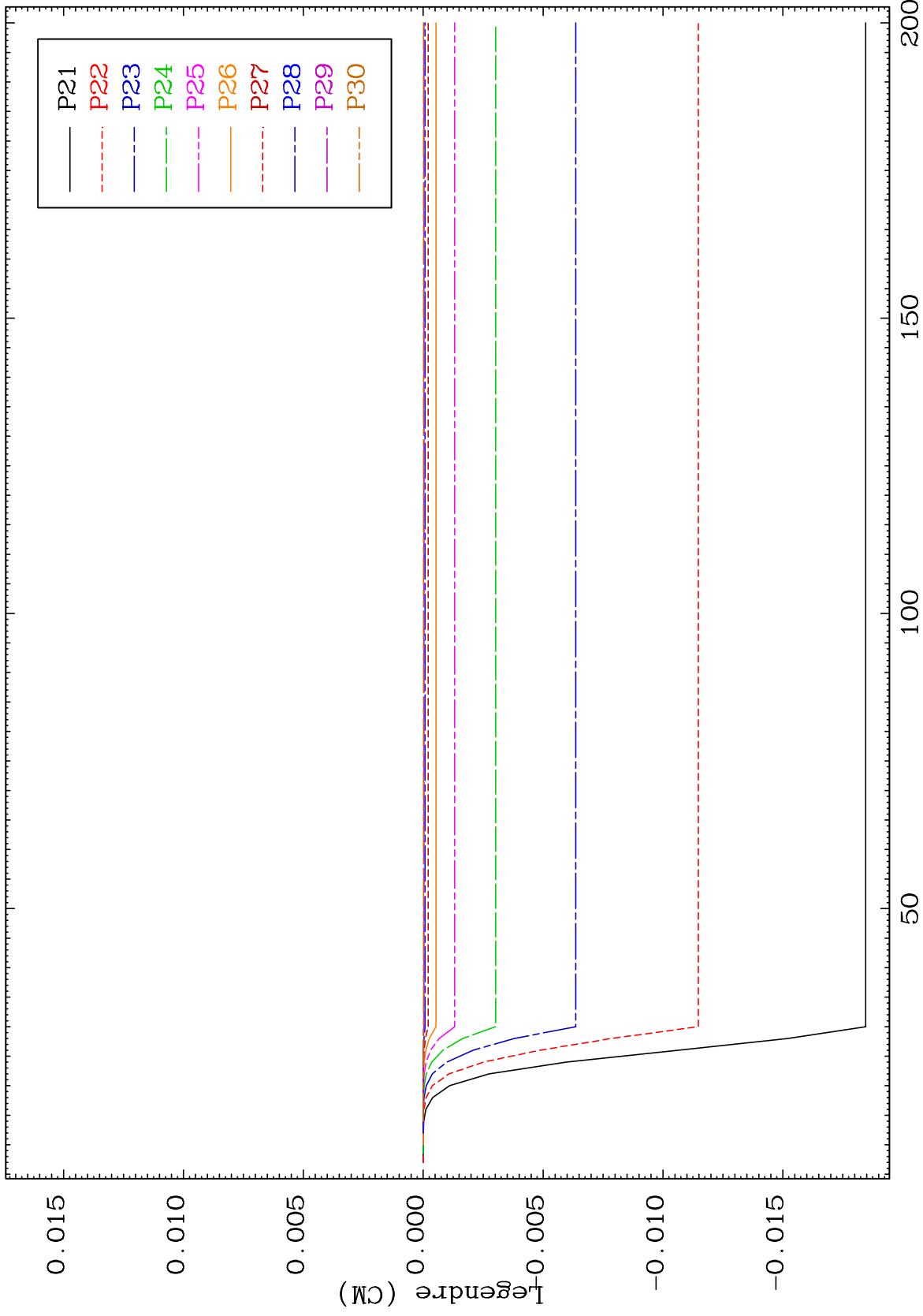


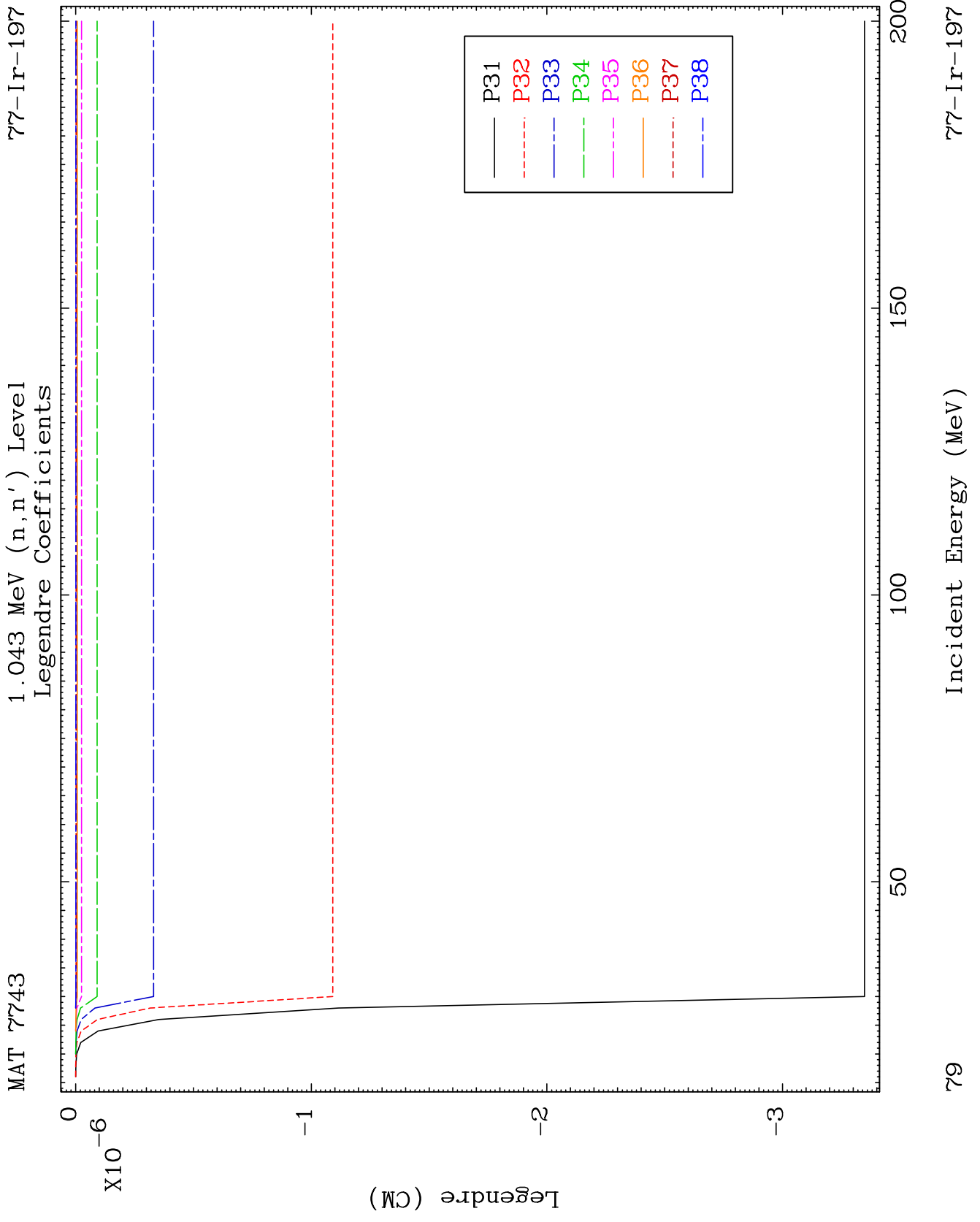
76

Incident Energy (MeV)

77-Ir-197





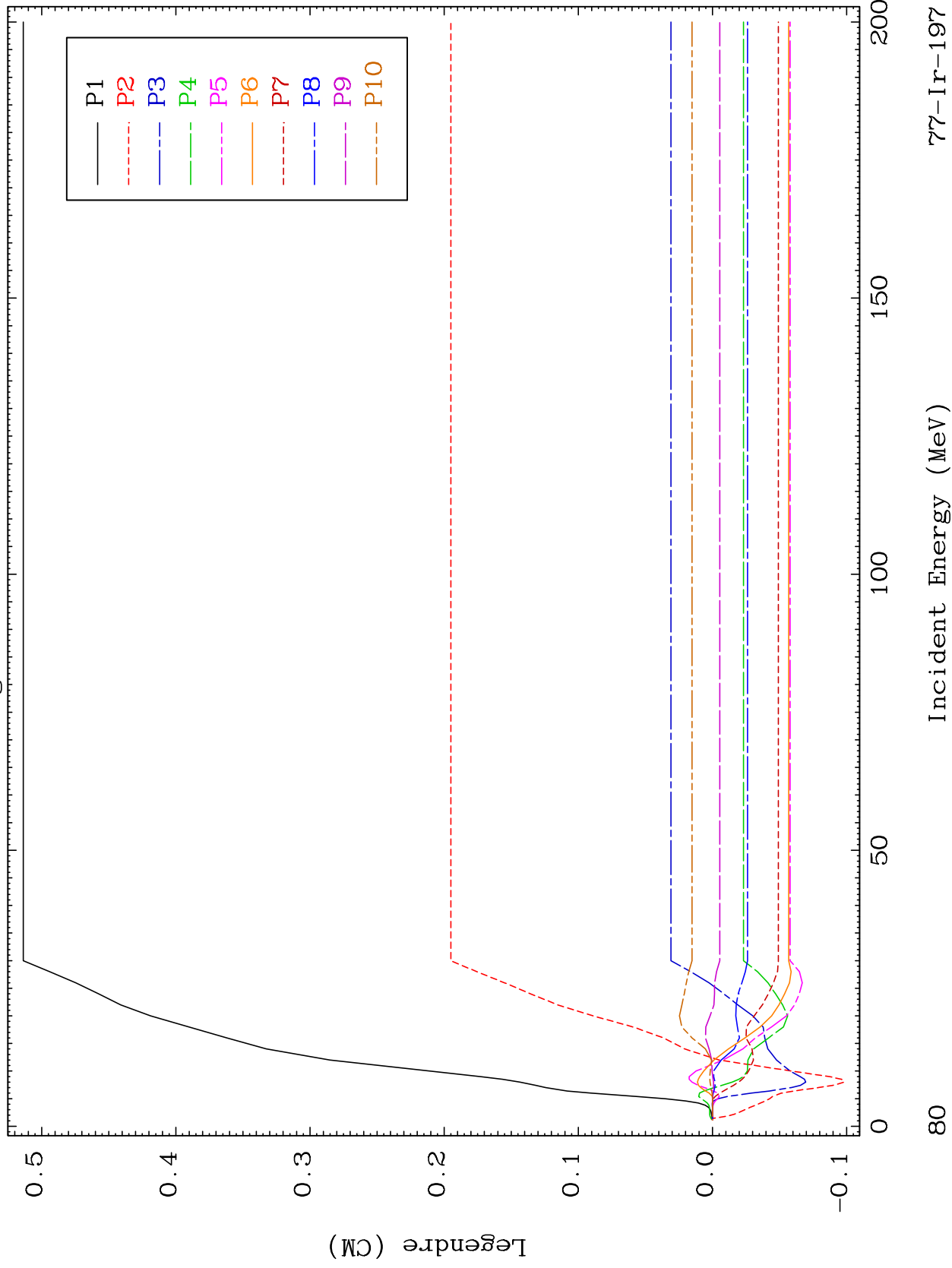




MAT 7743

1.116 MeV (n,n') Level  
Legendre Coefficients

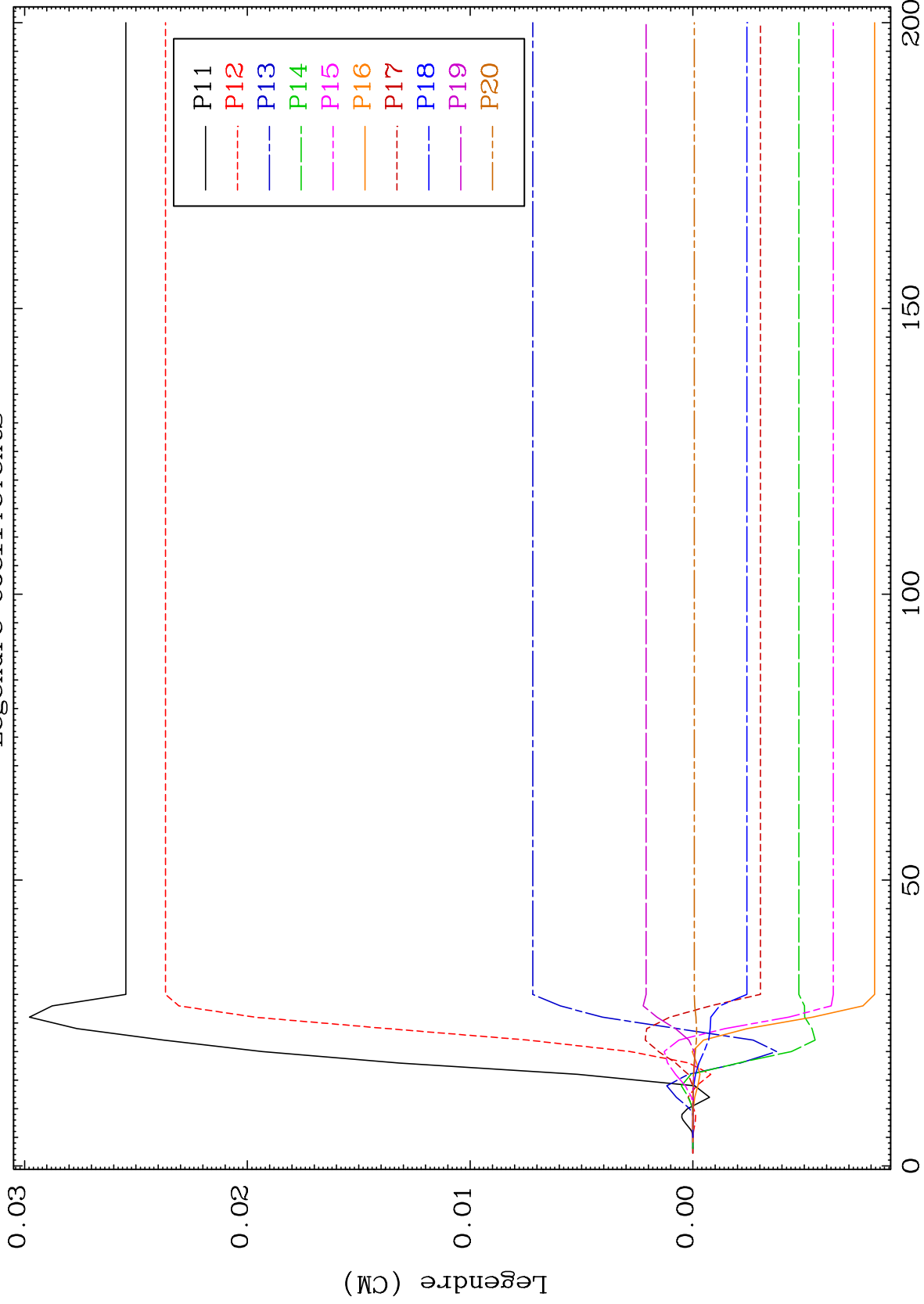
77-Ir-197

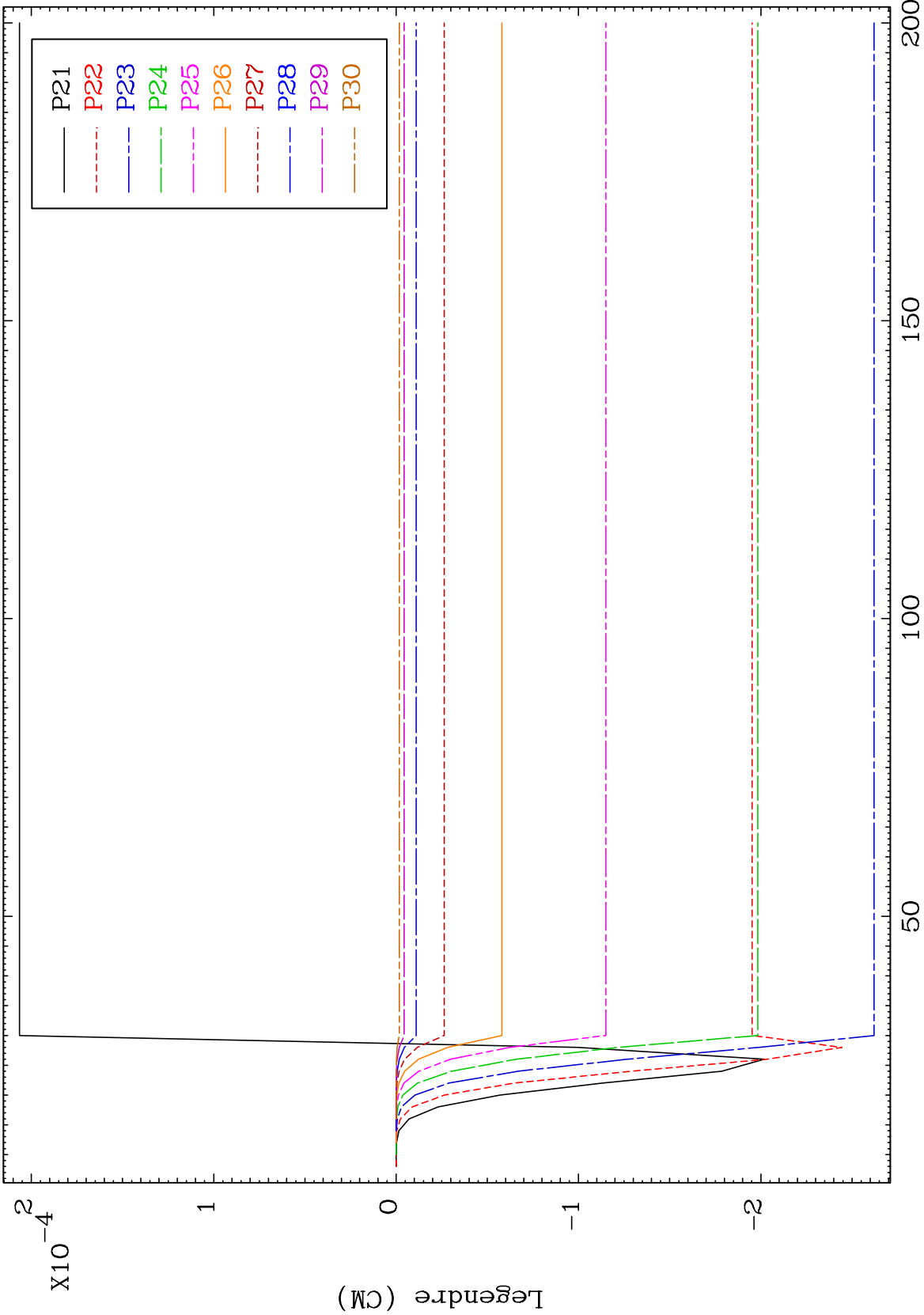


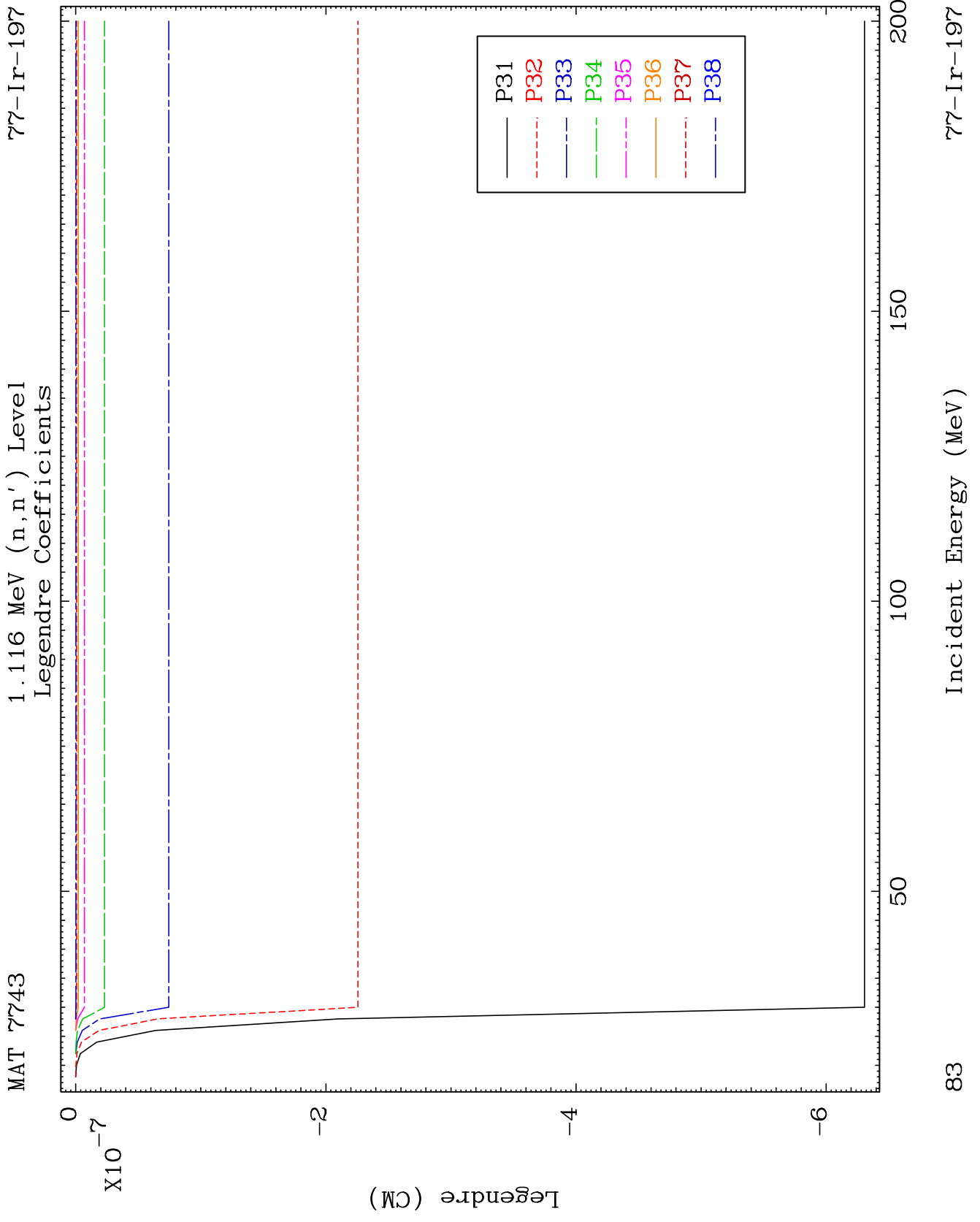
77-Ir-197

Incident Energy (MeV)

80



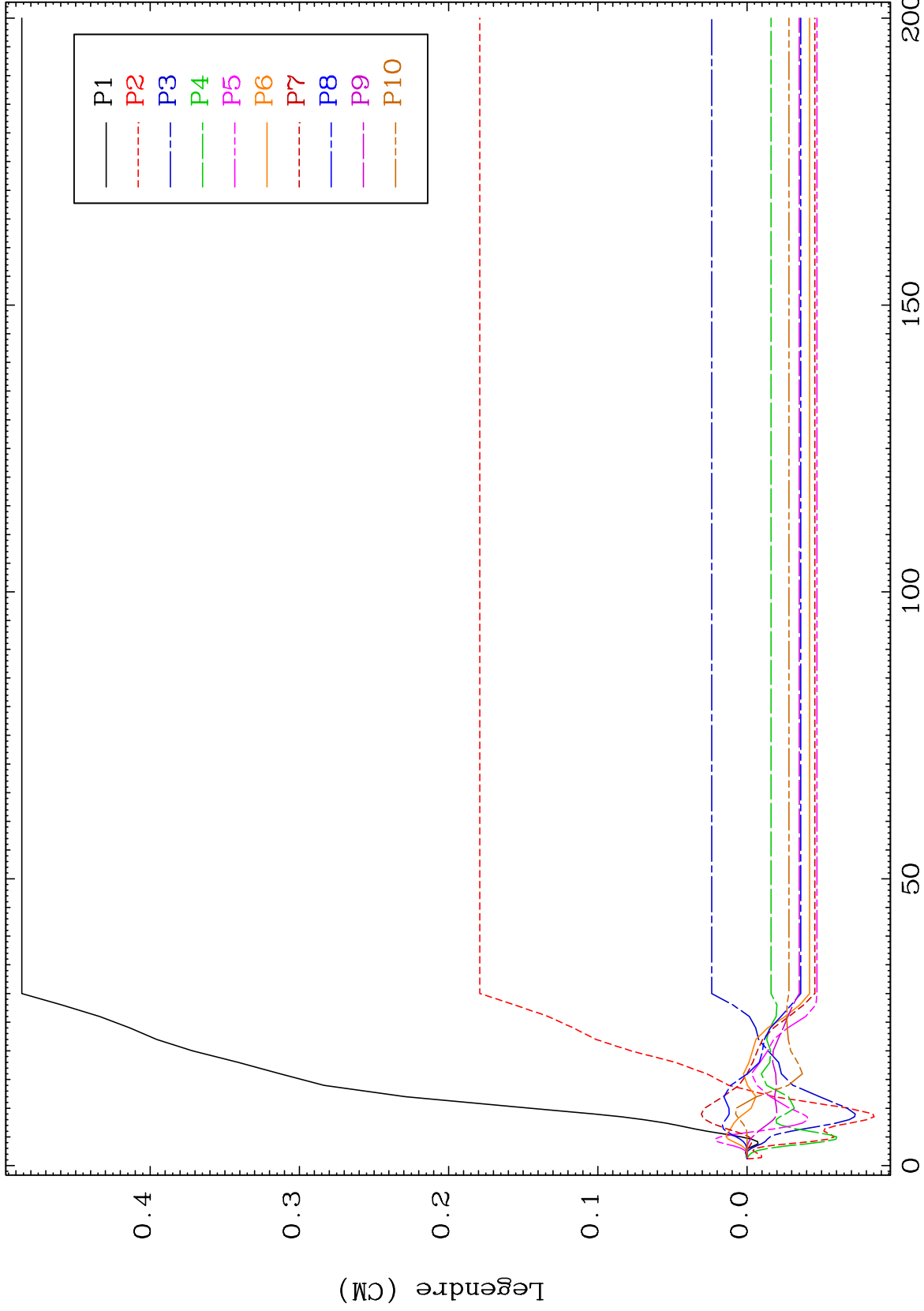




MAT 7743

1.160 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



84

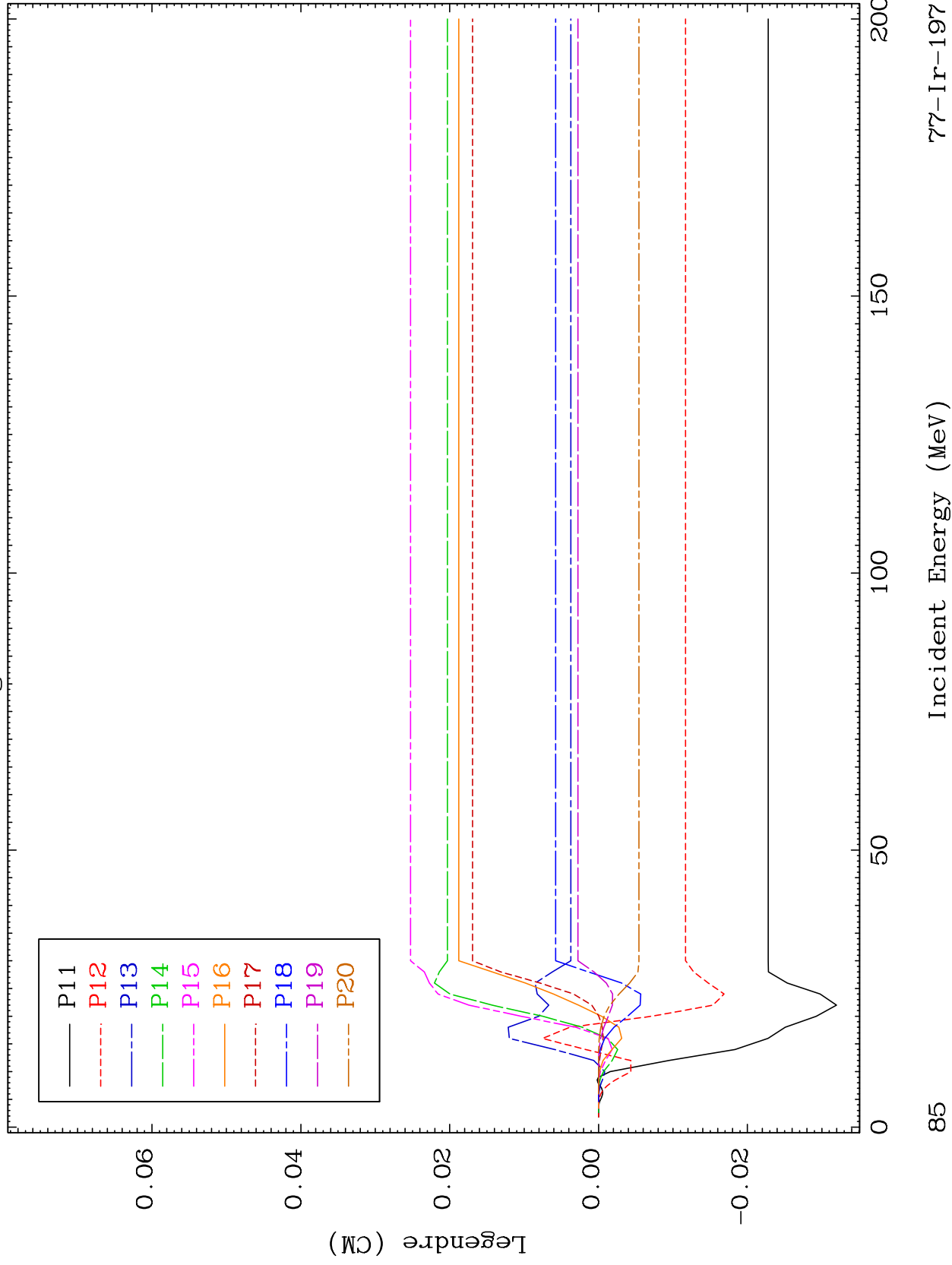
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.160 MeV (n,n') Level  
Legendre Coefficients

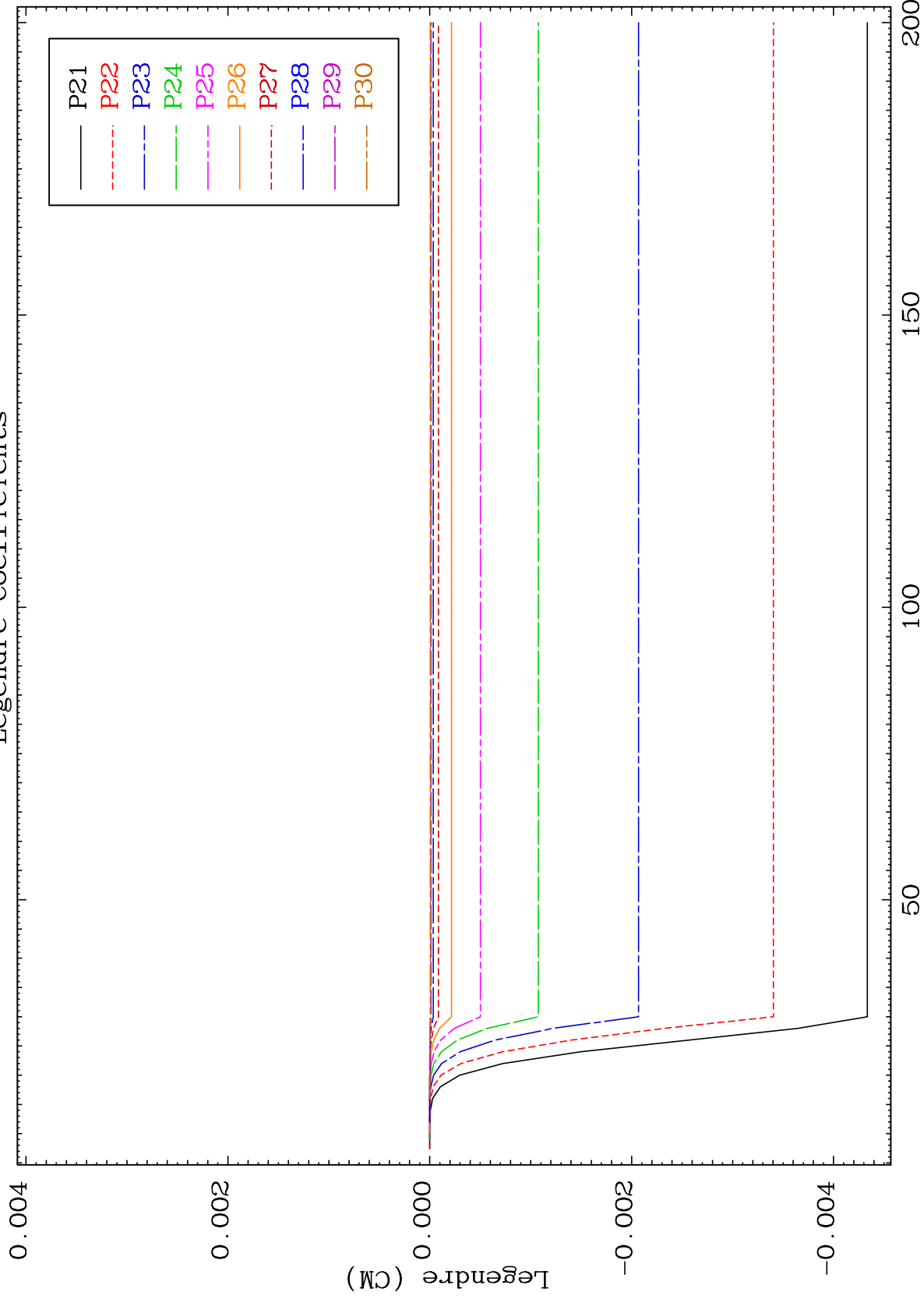
77-Ir-197

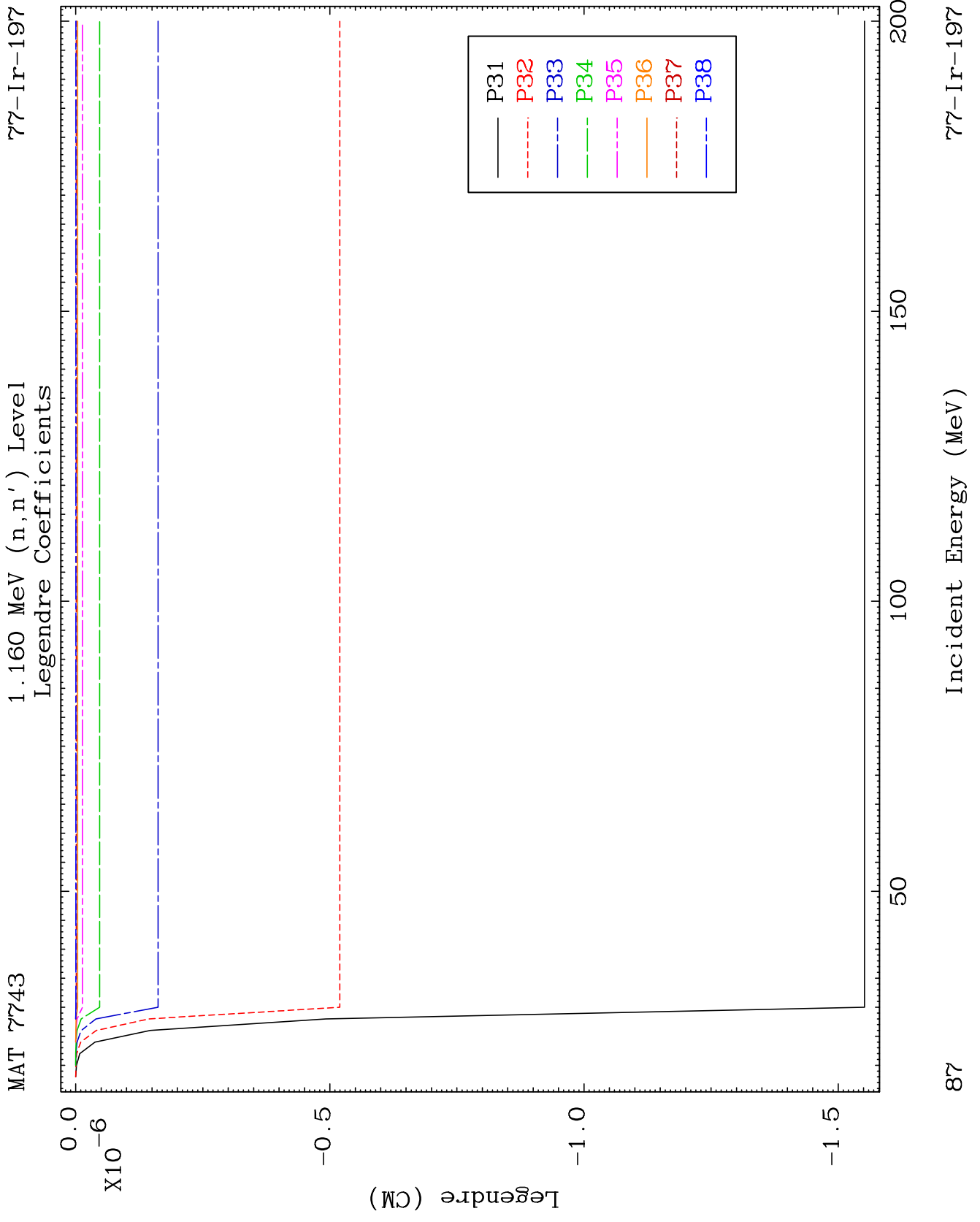


85

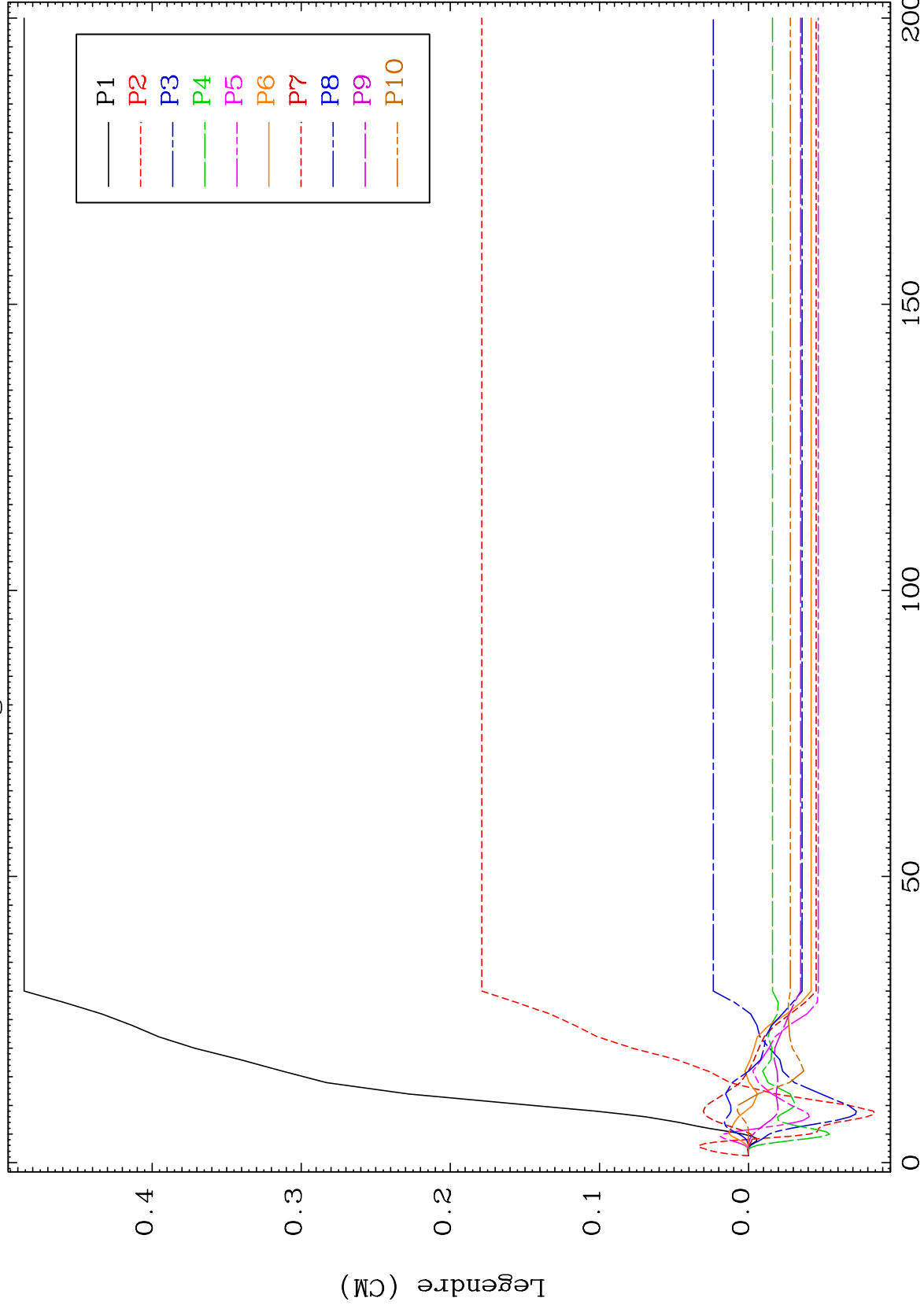
Incident Energy (MeV)

77-Ir-197





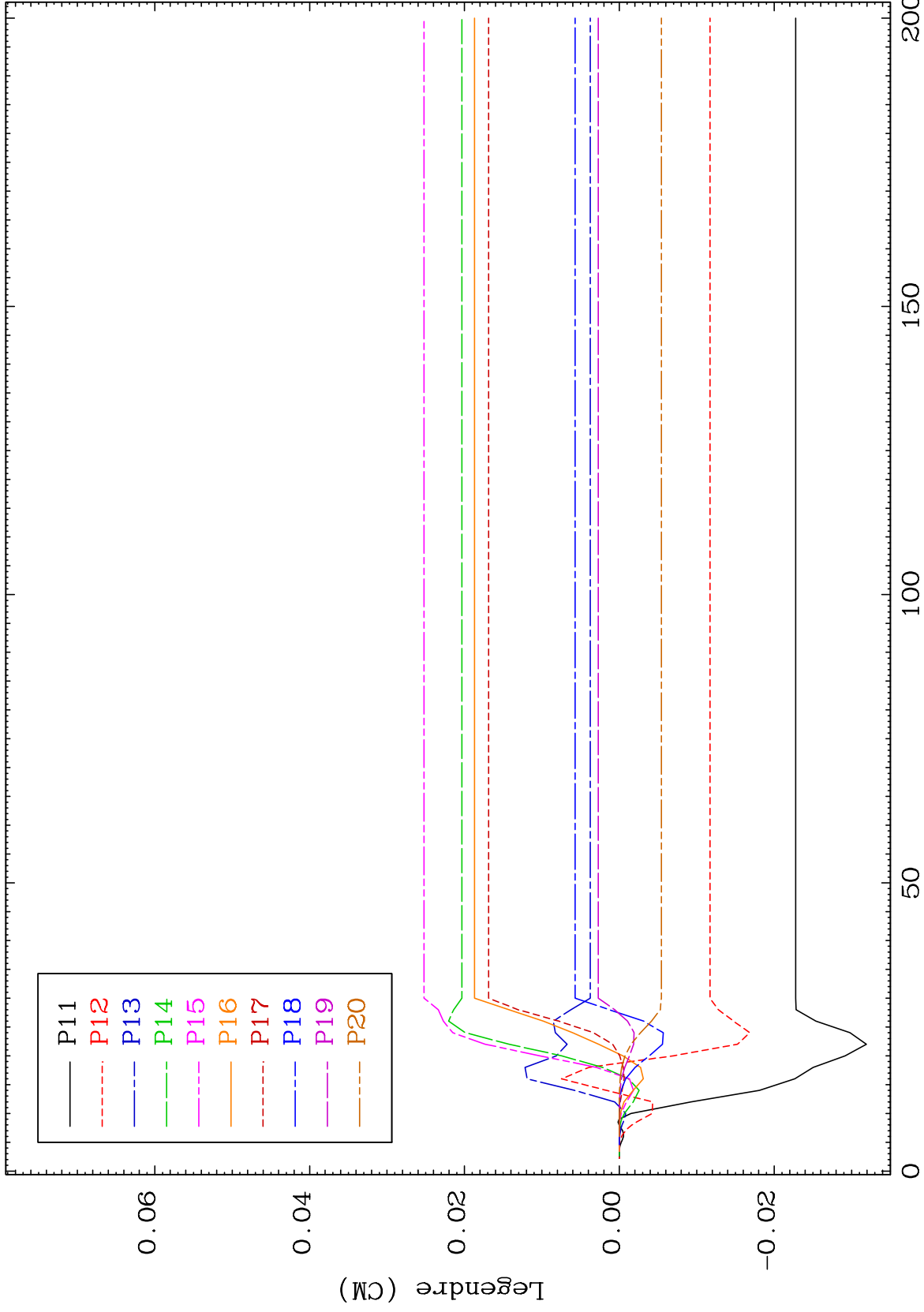




MAT 7743

1.202 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



89

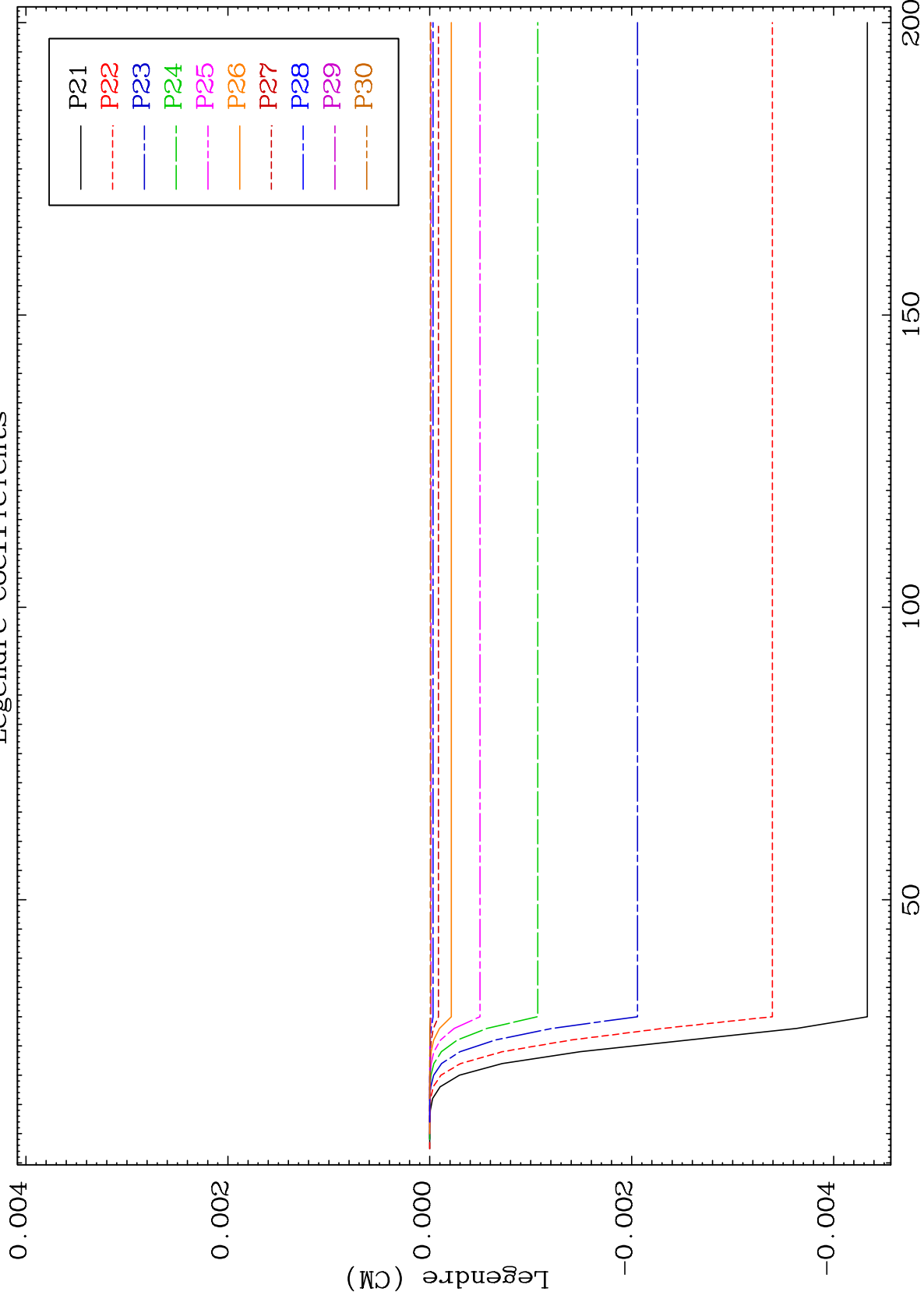
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.202 MeV (n,n') Level  
Legendre Coefficients

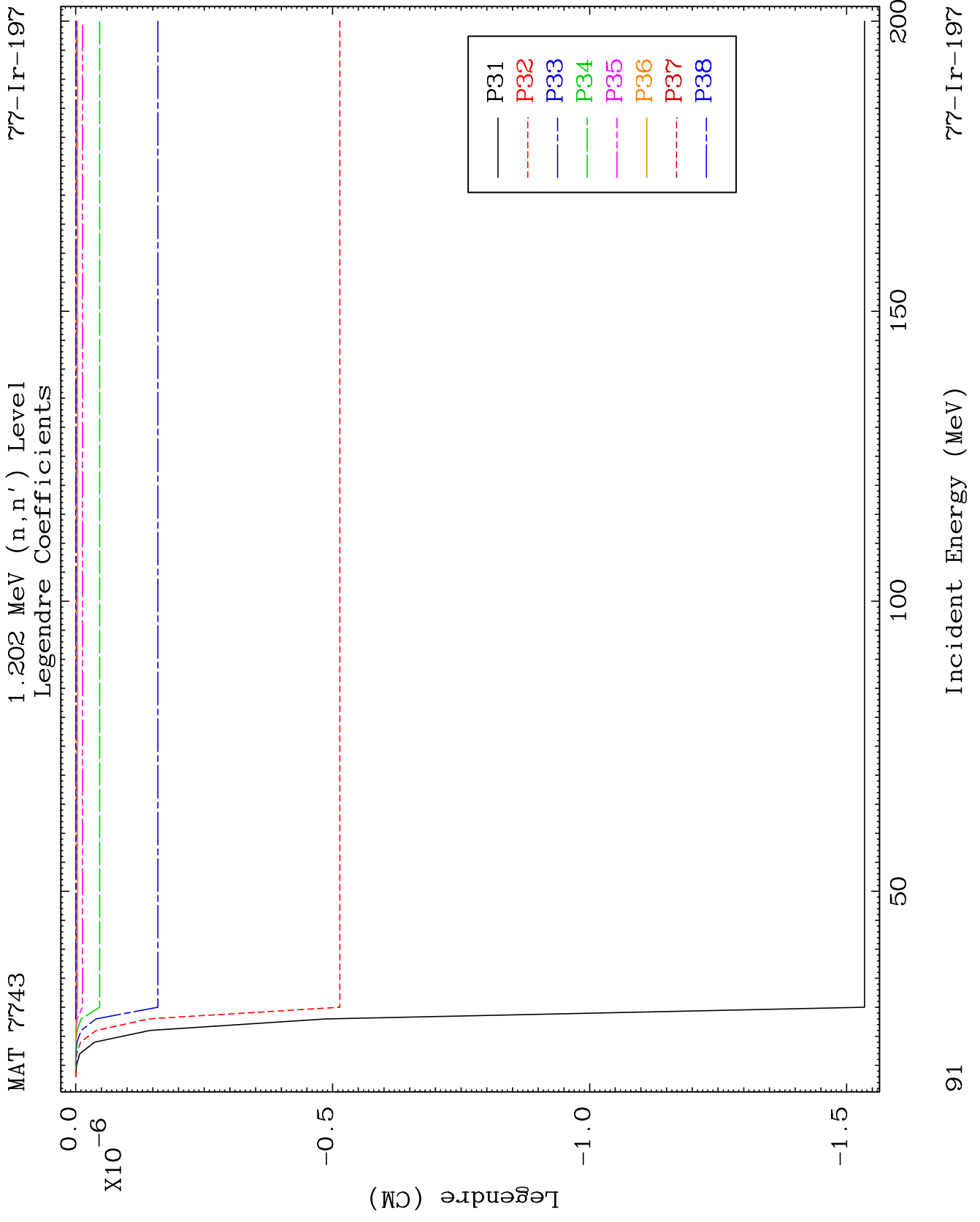
77-Ir-197



90

Incident Energy (MeV)

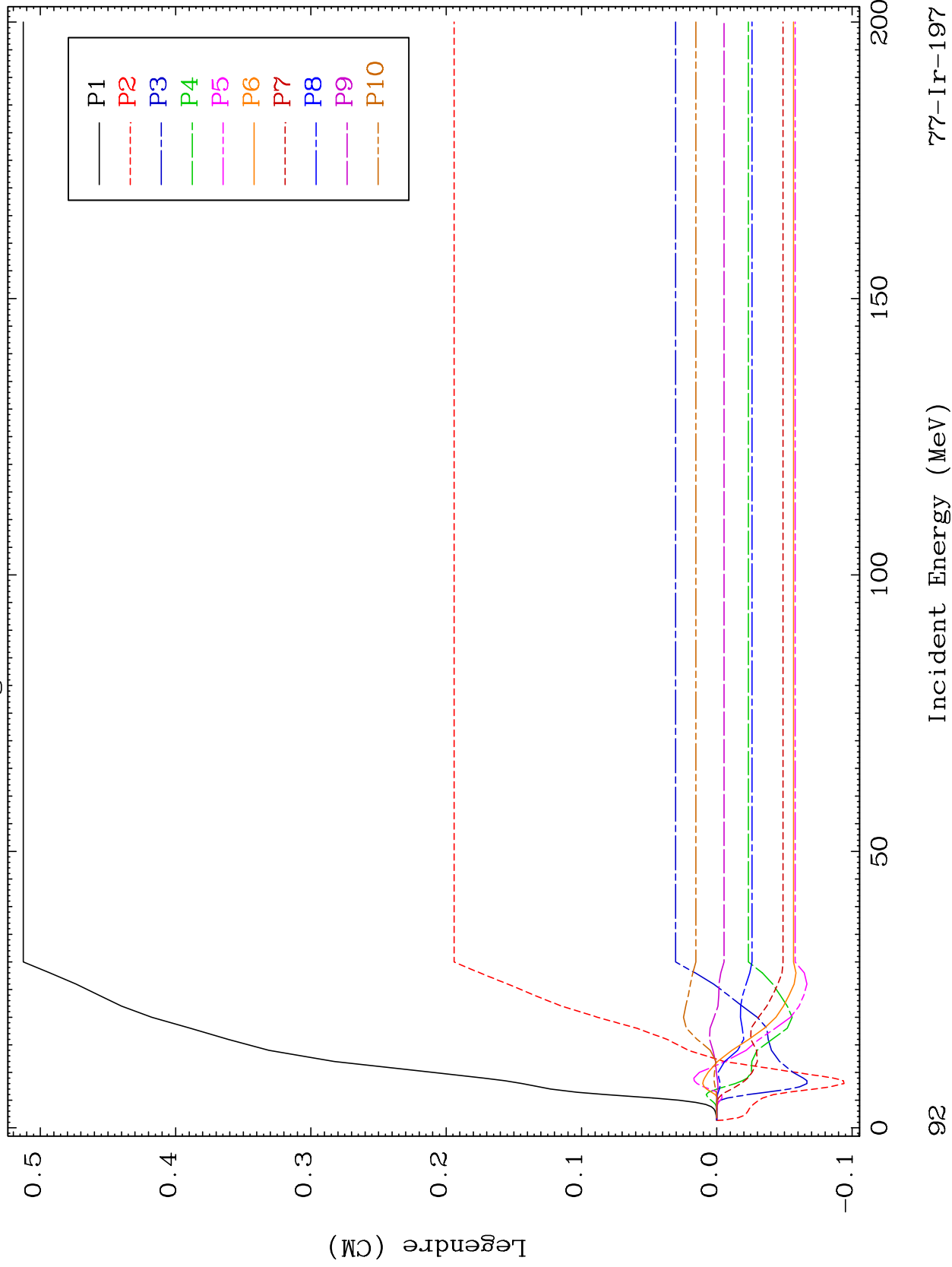
77-Ir-197



MAT 7743

1.300 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

Incident Energy (MeV)

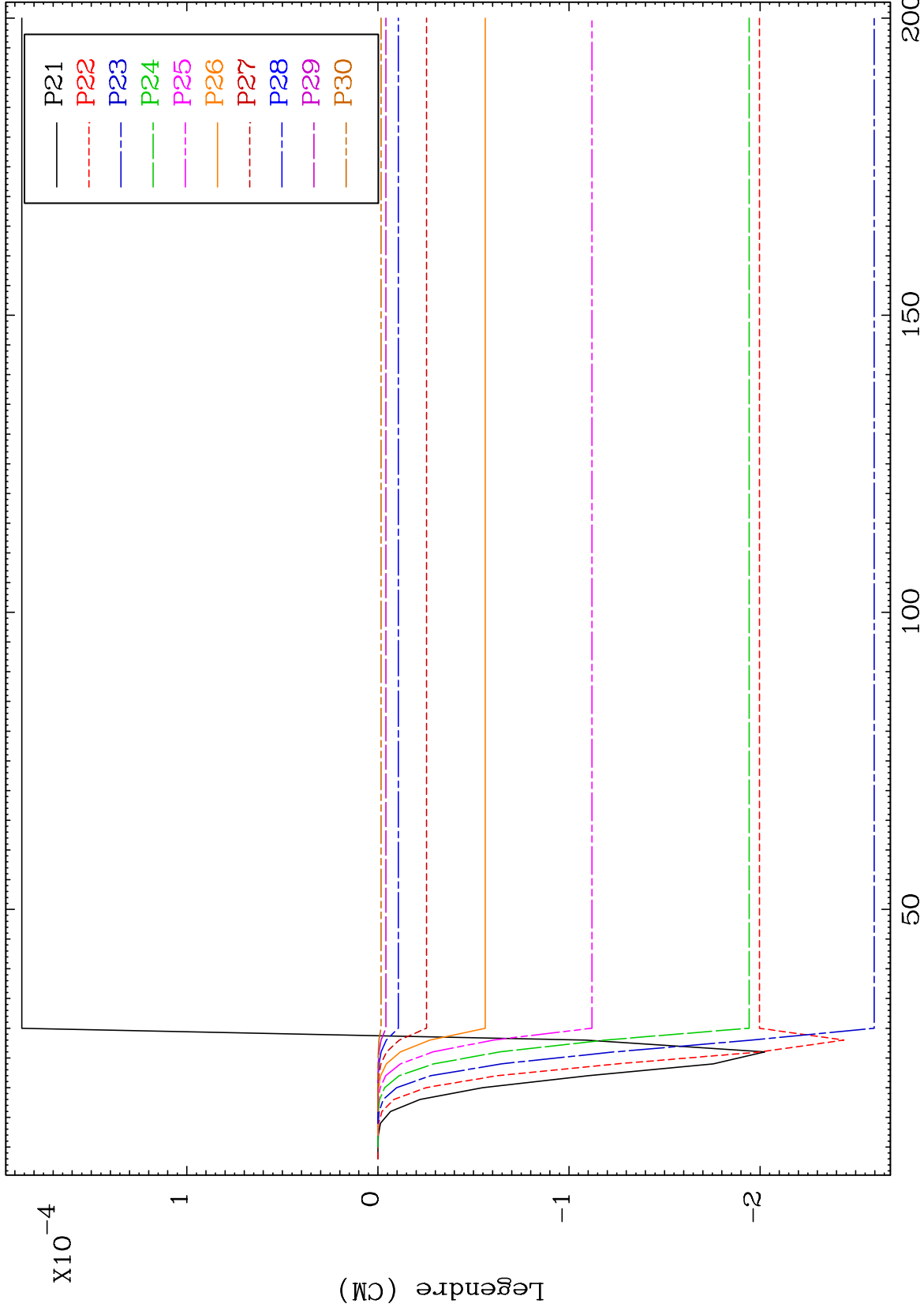
92



MAT 7743

1.300 MeV (n,n') Level  
Legendre Coefficients

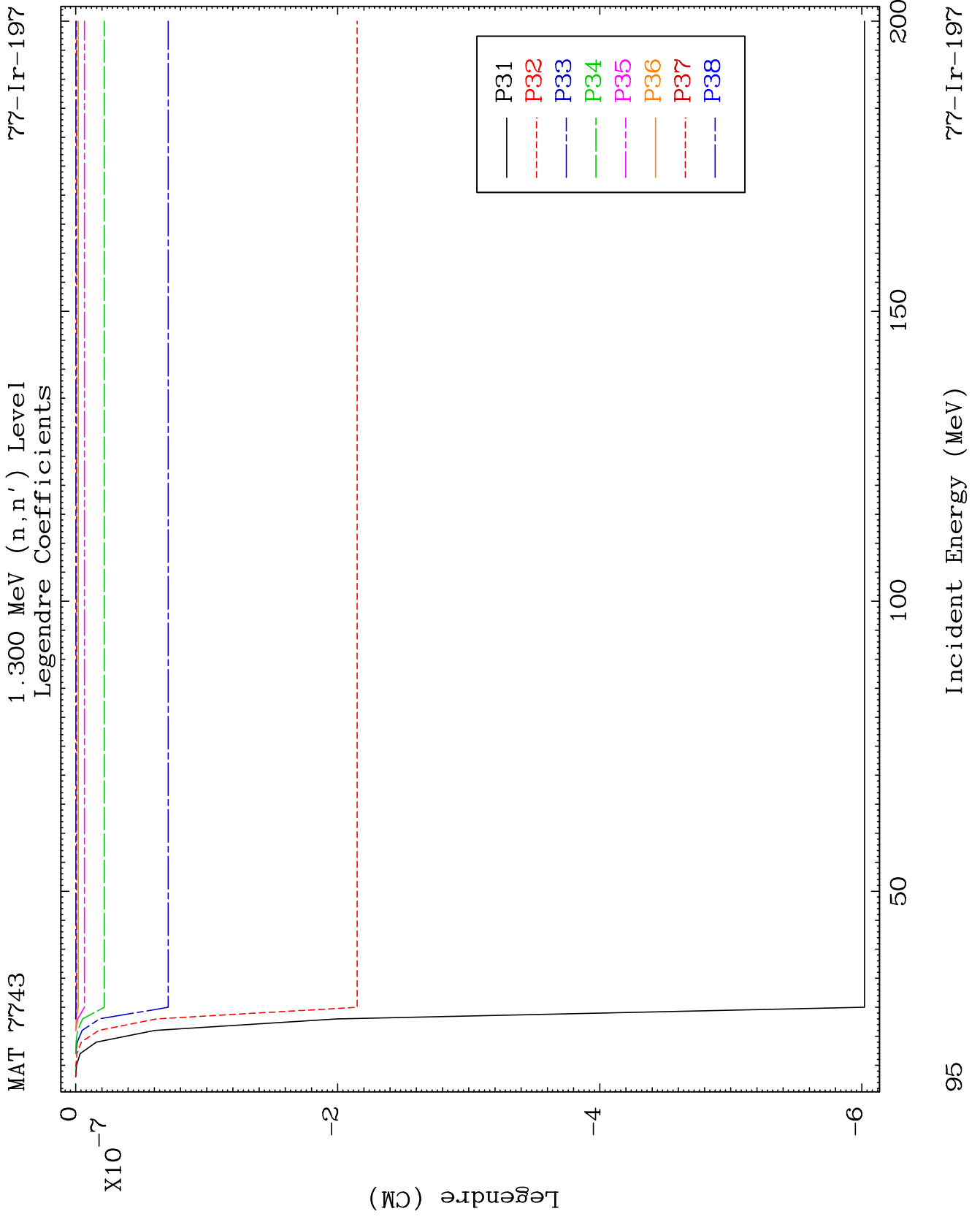
77-Ir-197



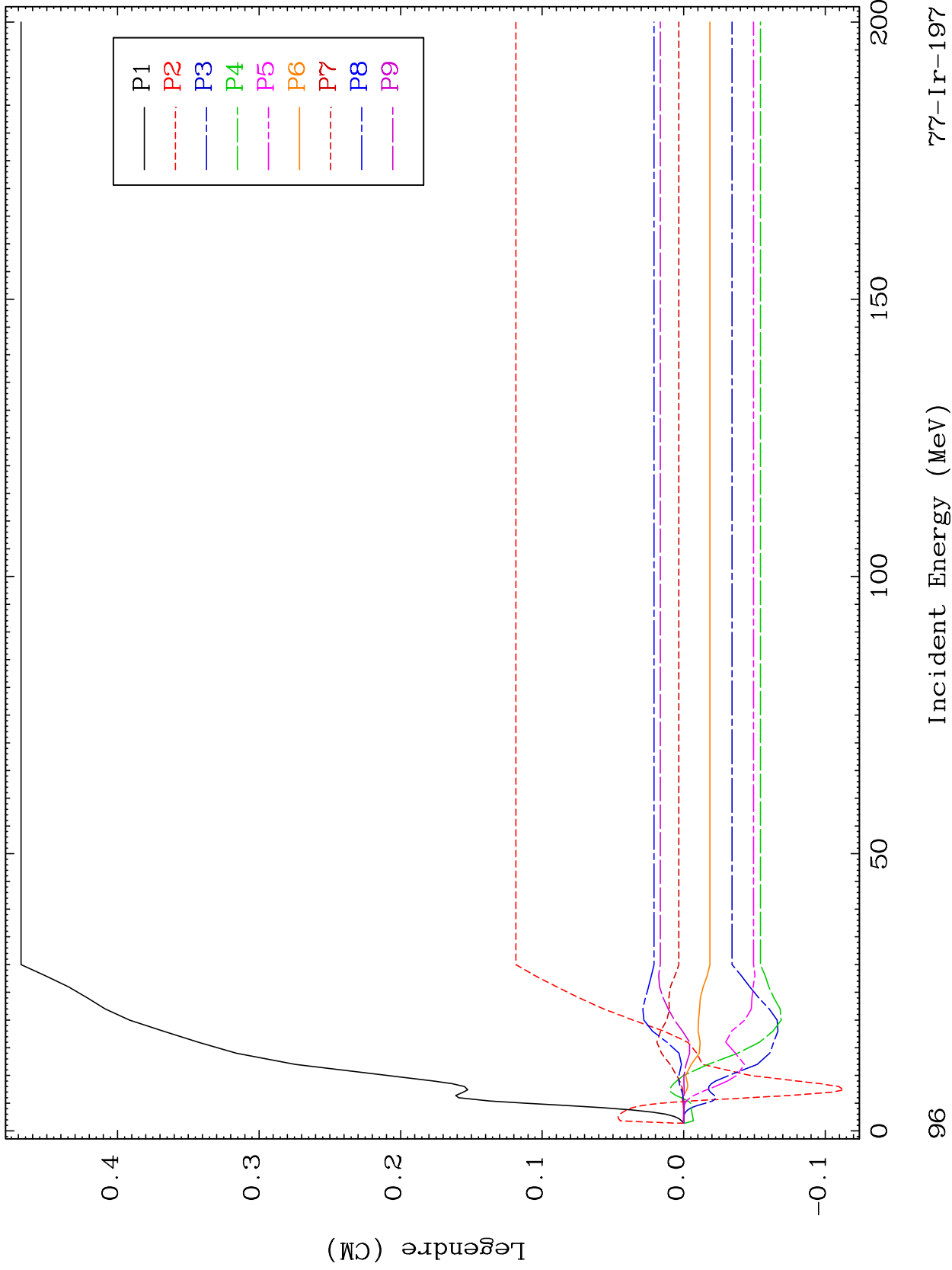
94

Incident Energy (MeV)

77-Ir-197



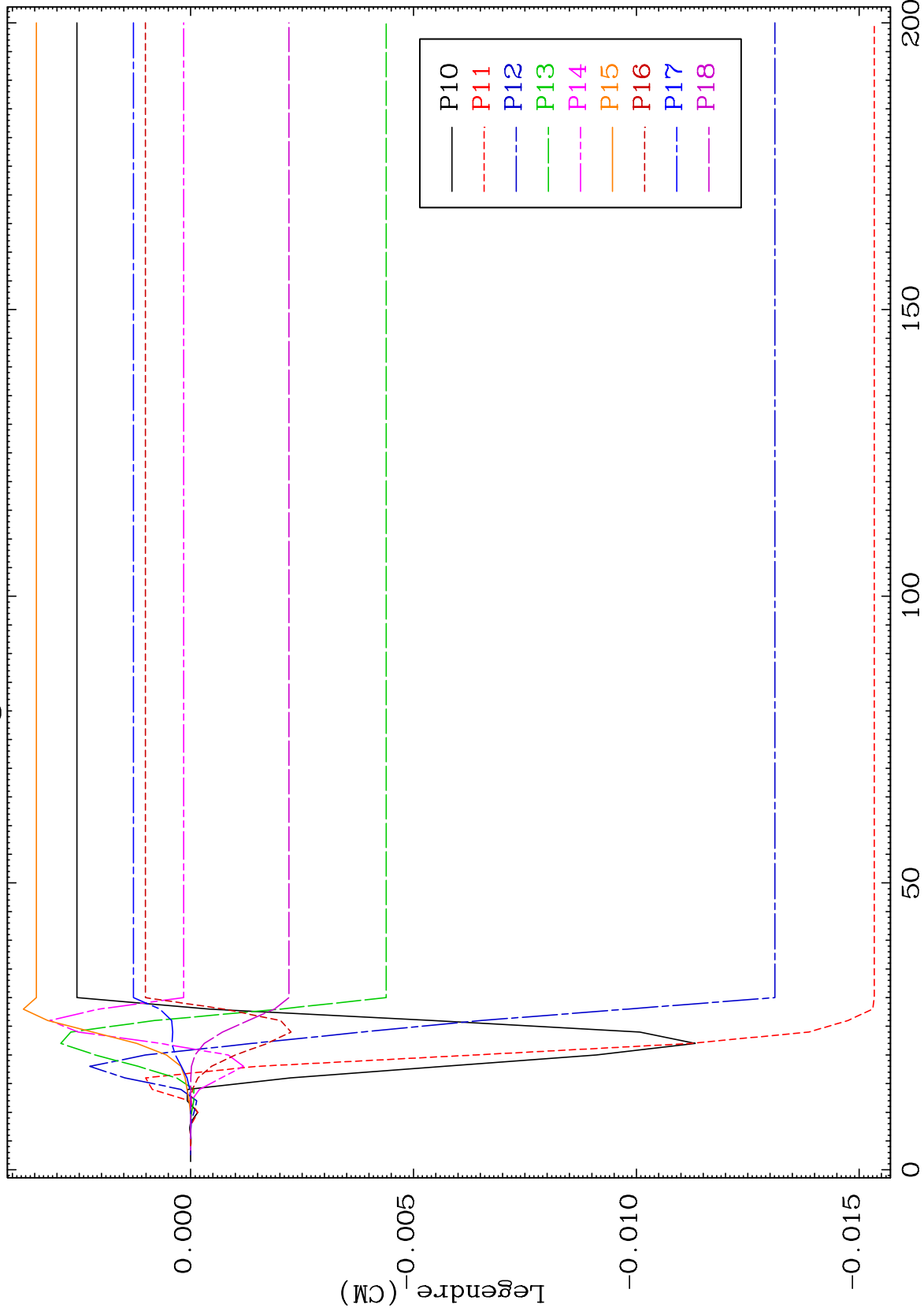




MAT 7743

1.384 MeV (n,n') Level  
Legendre Coefficients

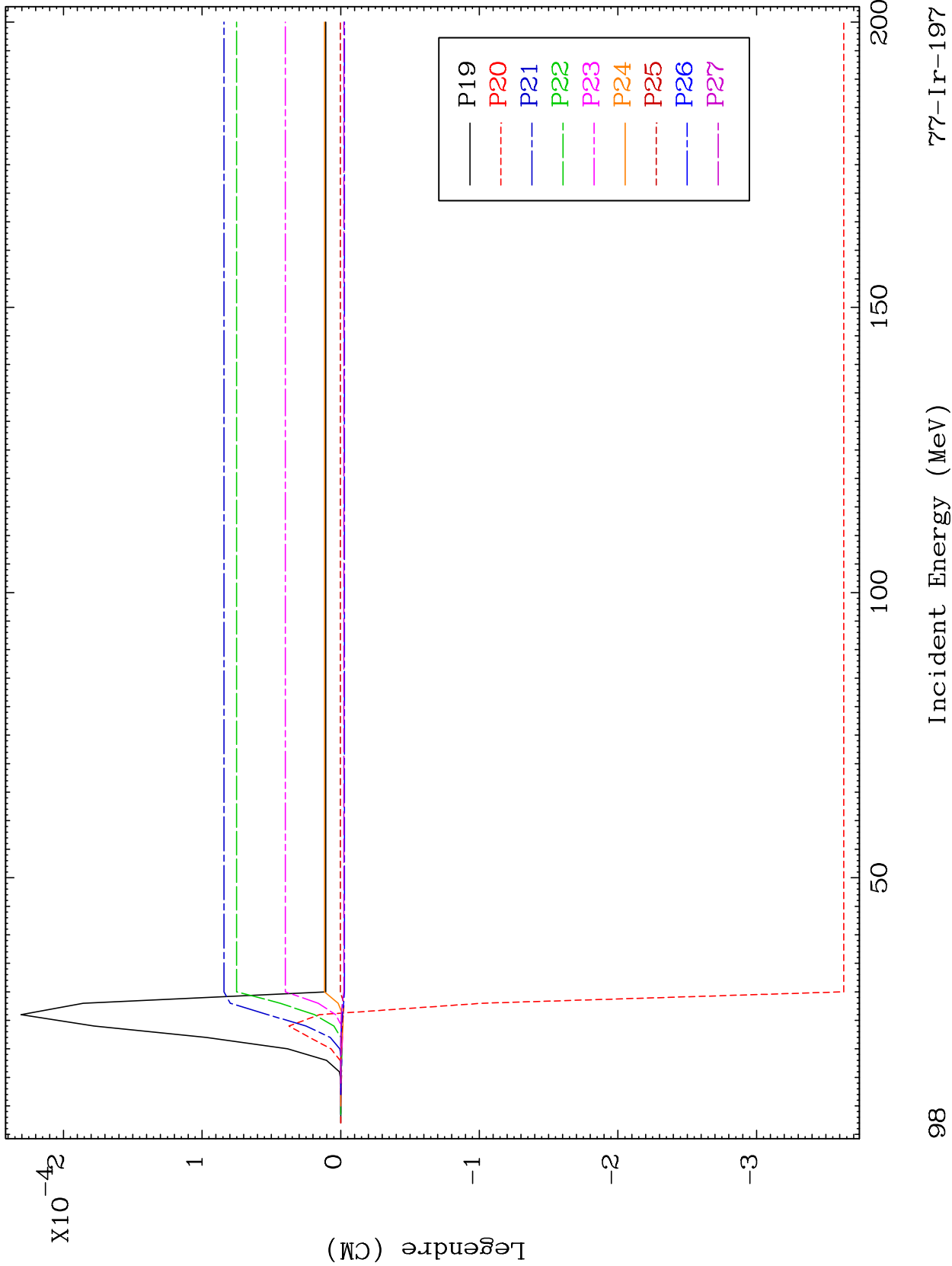
77-Ir-197



97

Incident Energy (MeV)

77-Ir-197

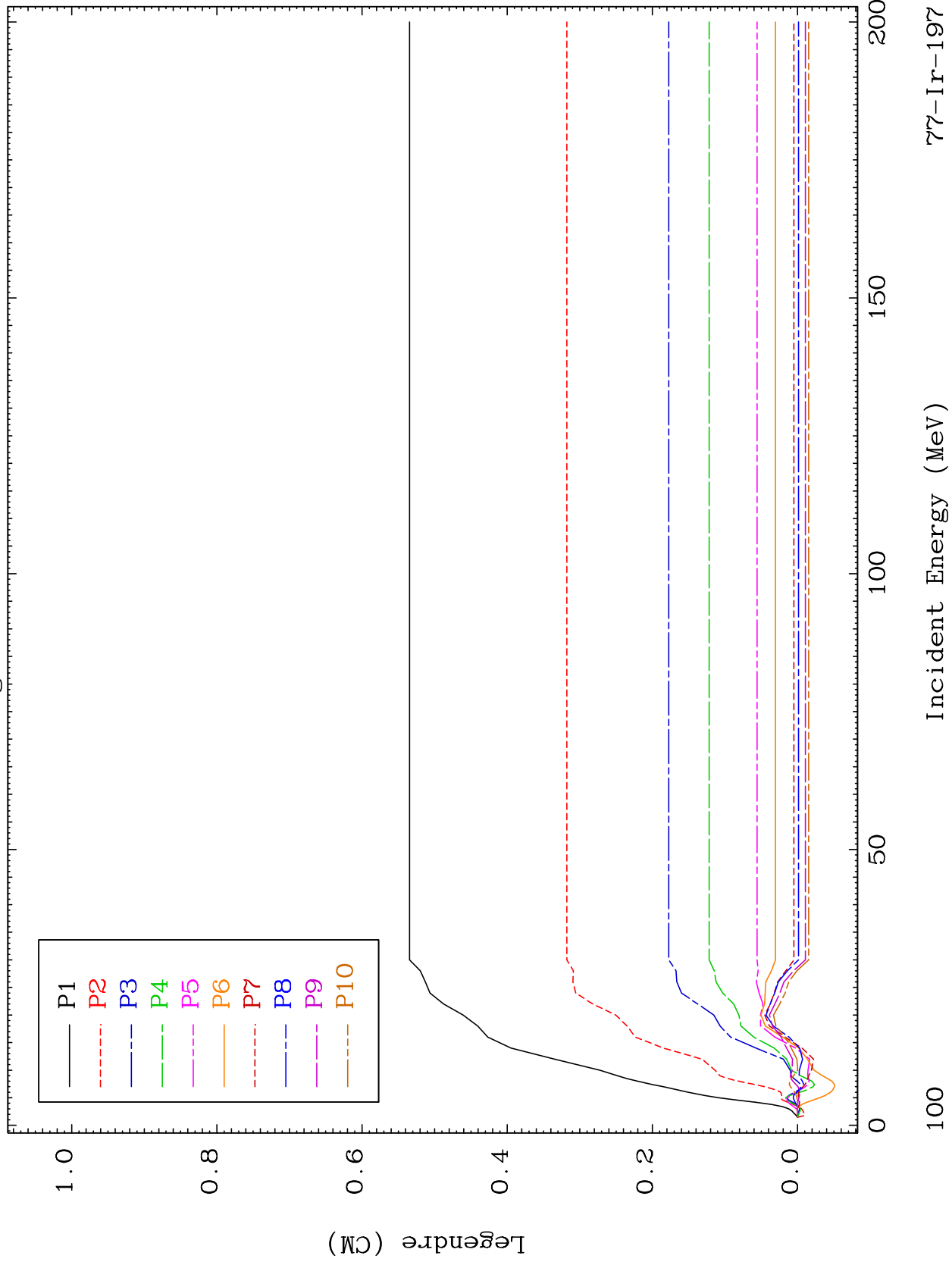




MAT 7743

1.426 MeV (n,n') Level  
Legendre Coefficients

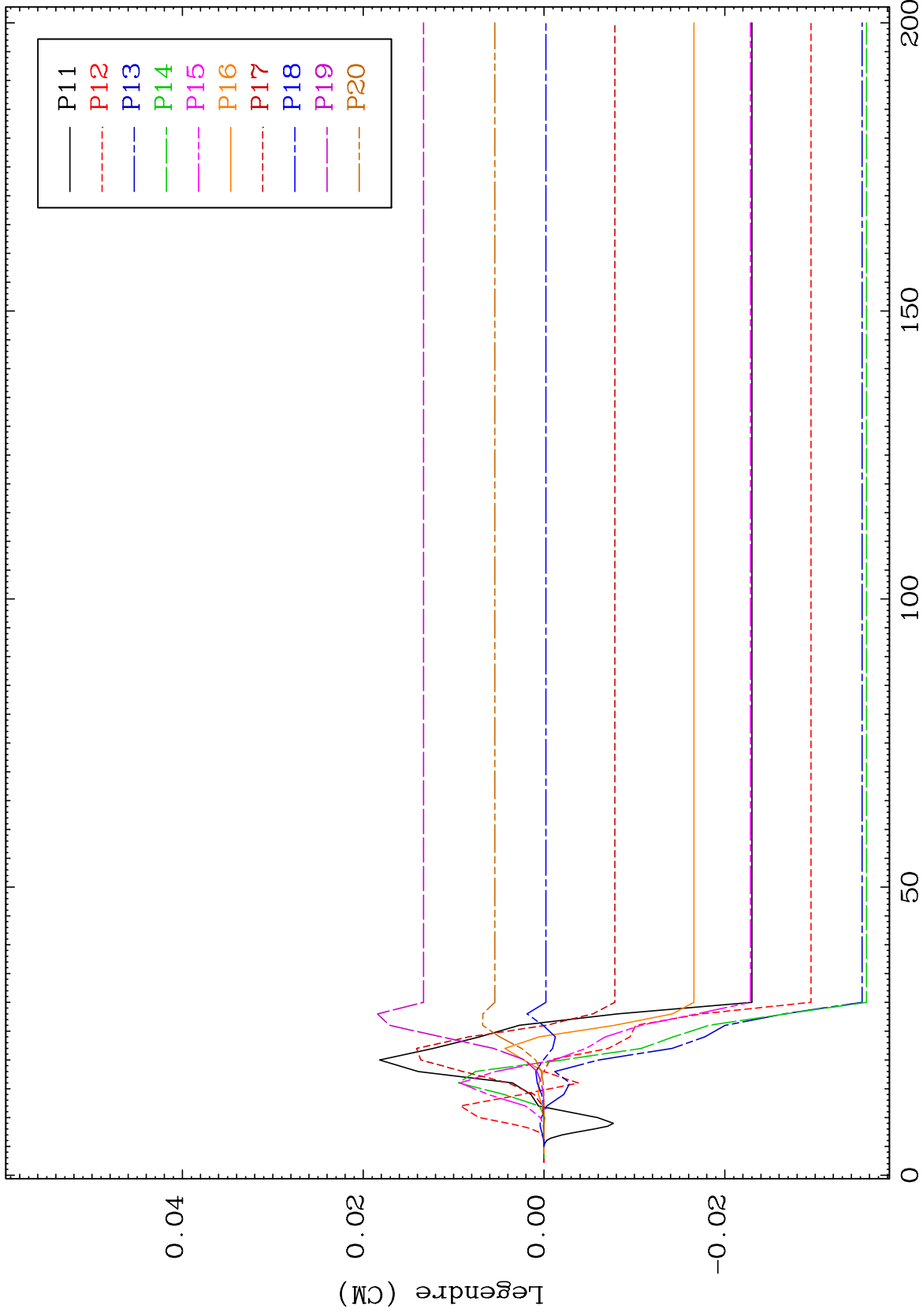
77-Ir-197



MAT 7743

1.426 MeV (n,n') Level  
Legendre Coefficients

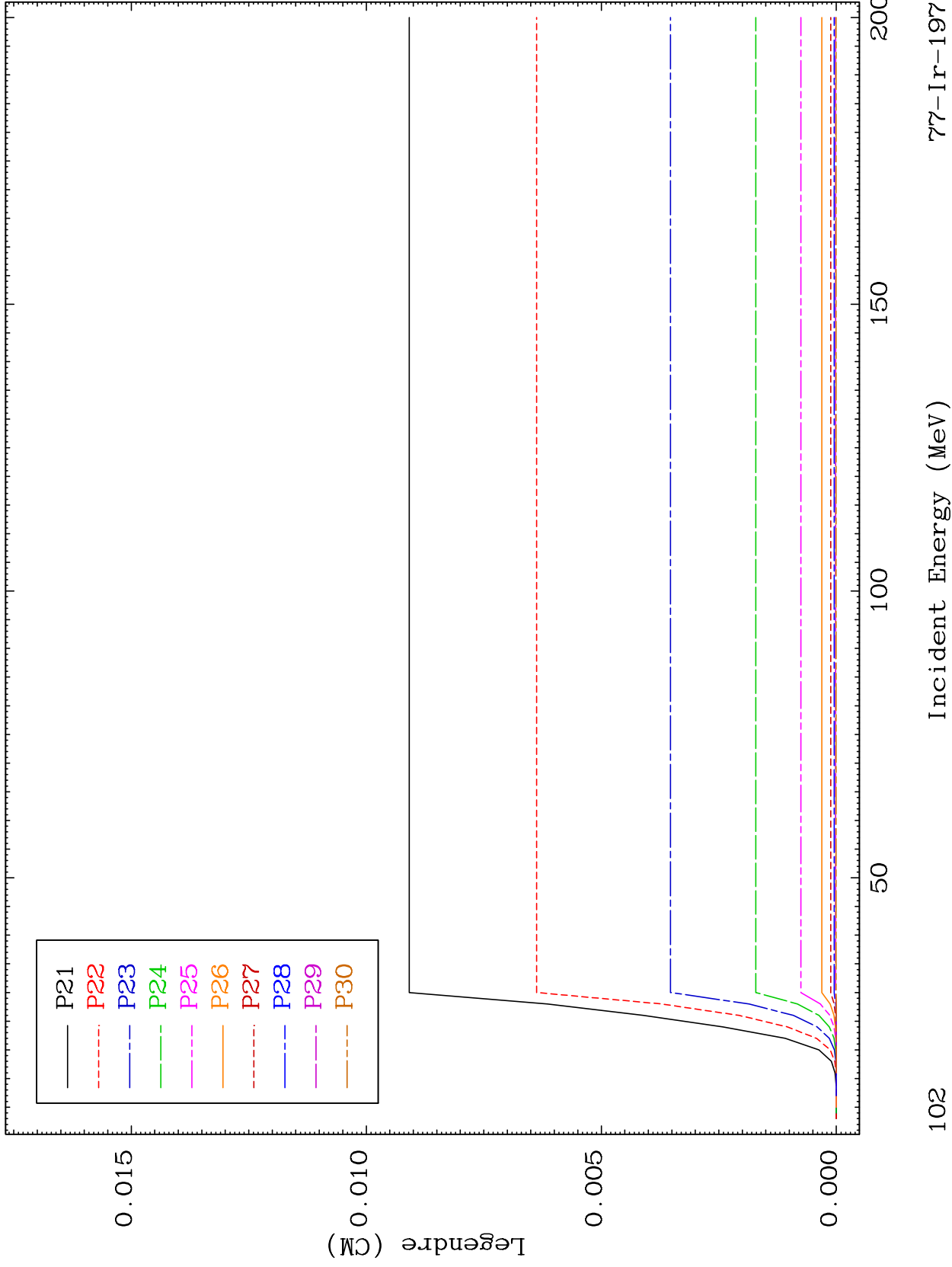
77-Ir-197



101

Incident Energy (MeV)

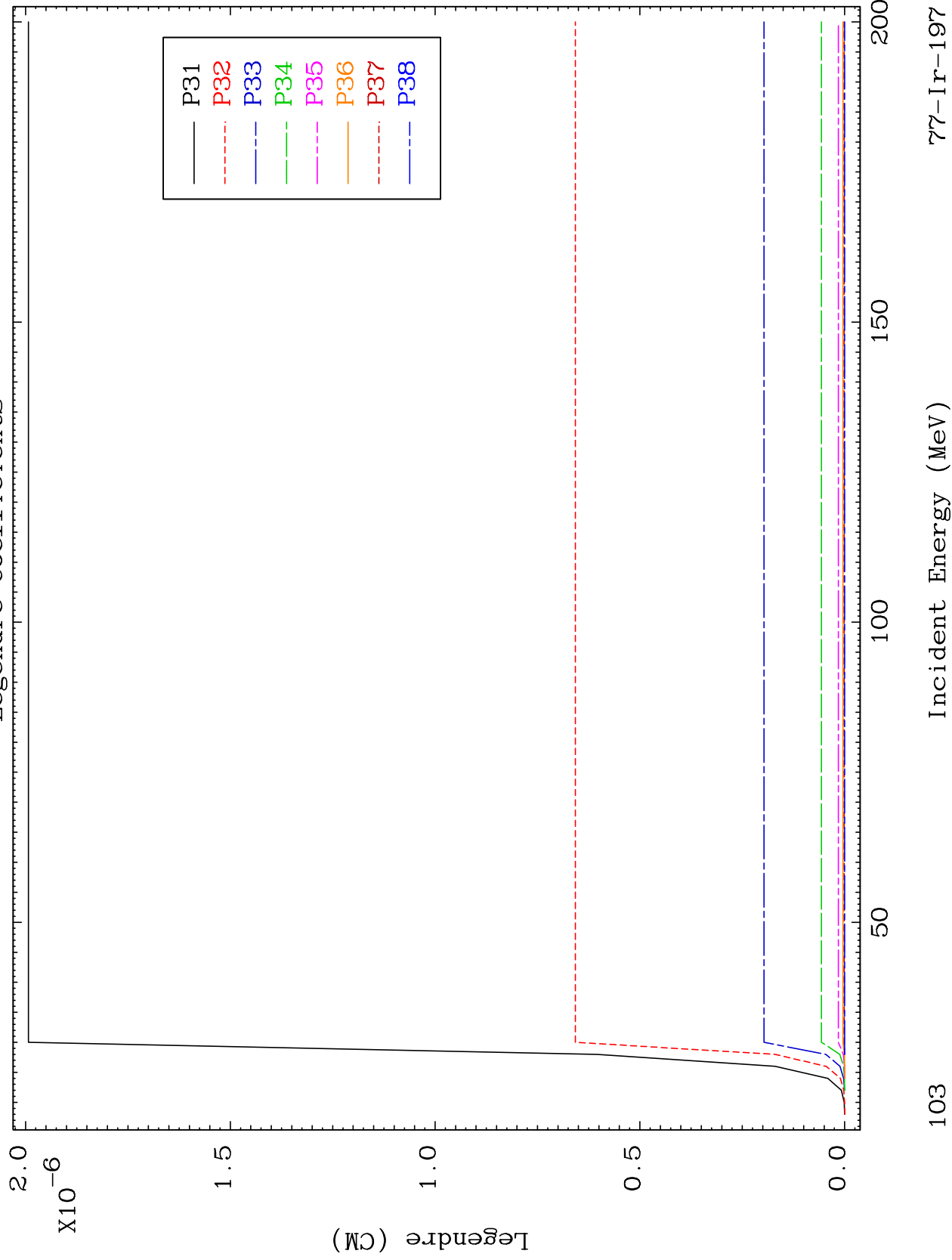
77-Ir-197



MAT 7743

1.426 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



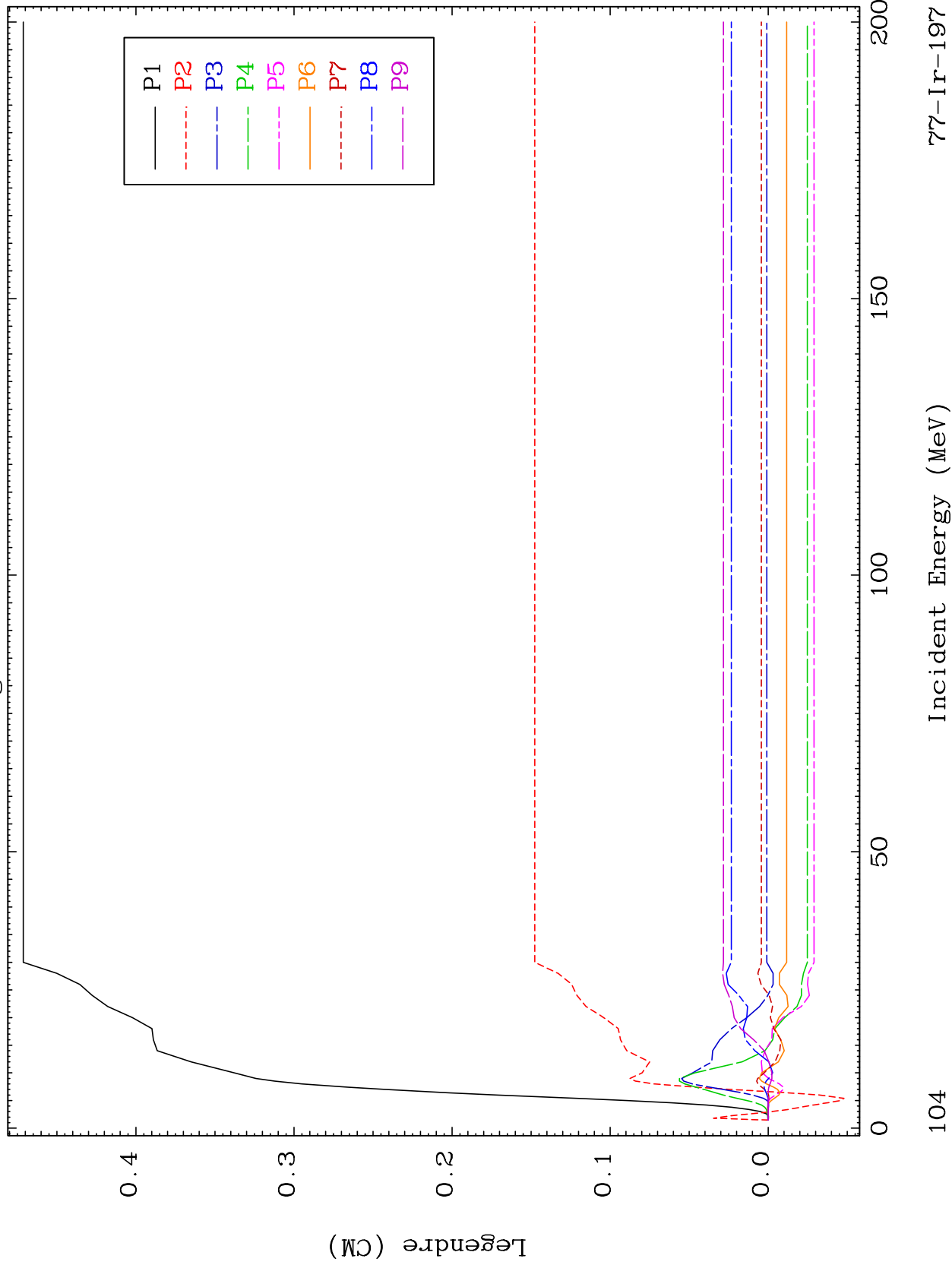
103



MAT 7743

1.459 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

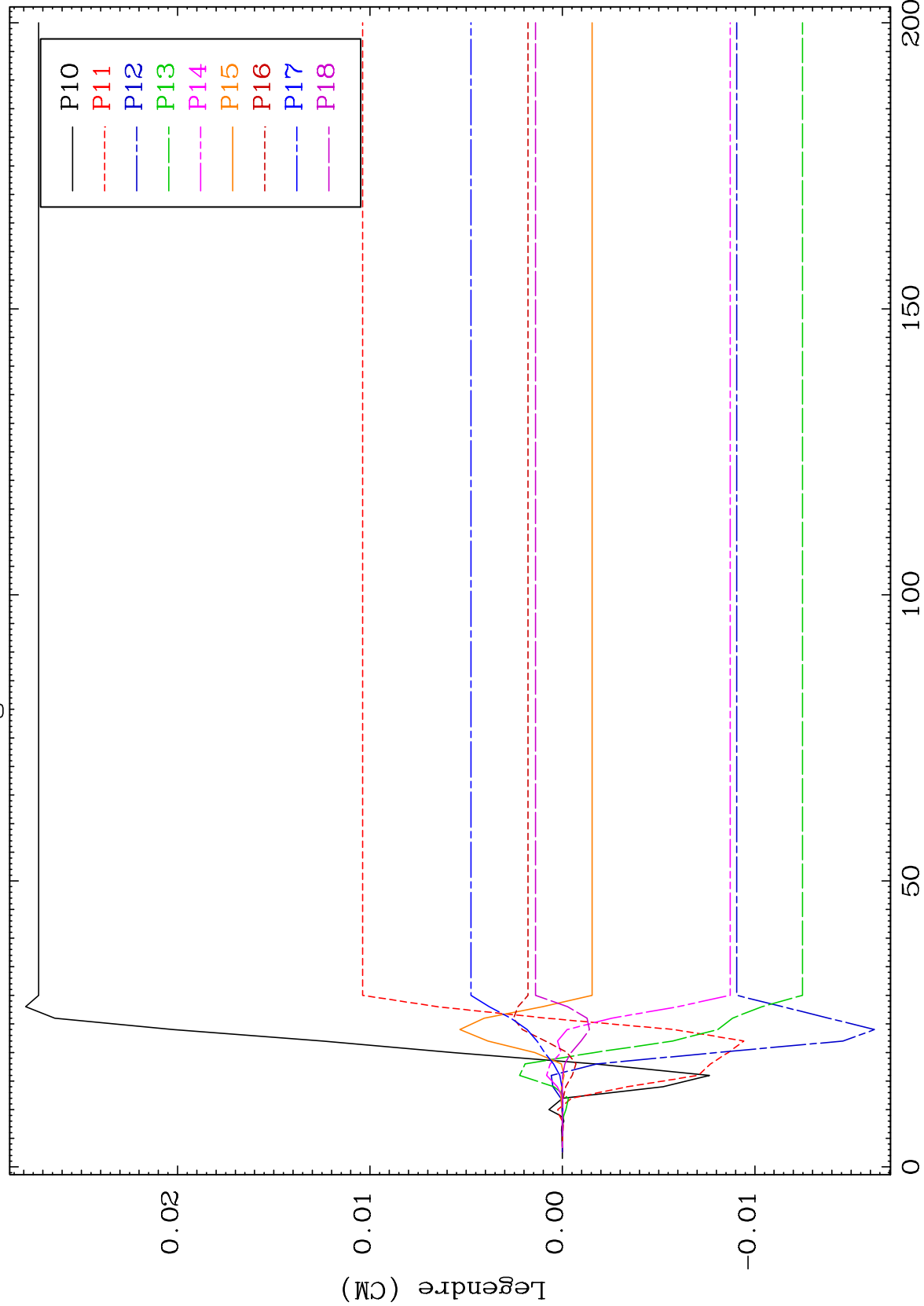
Incident Energy (MeV)

104

MAT 7743

1.459 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

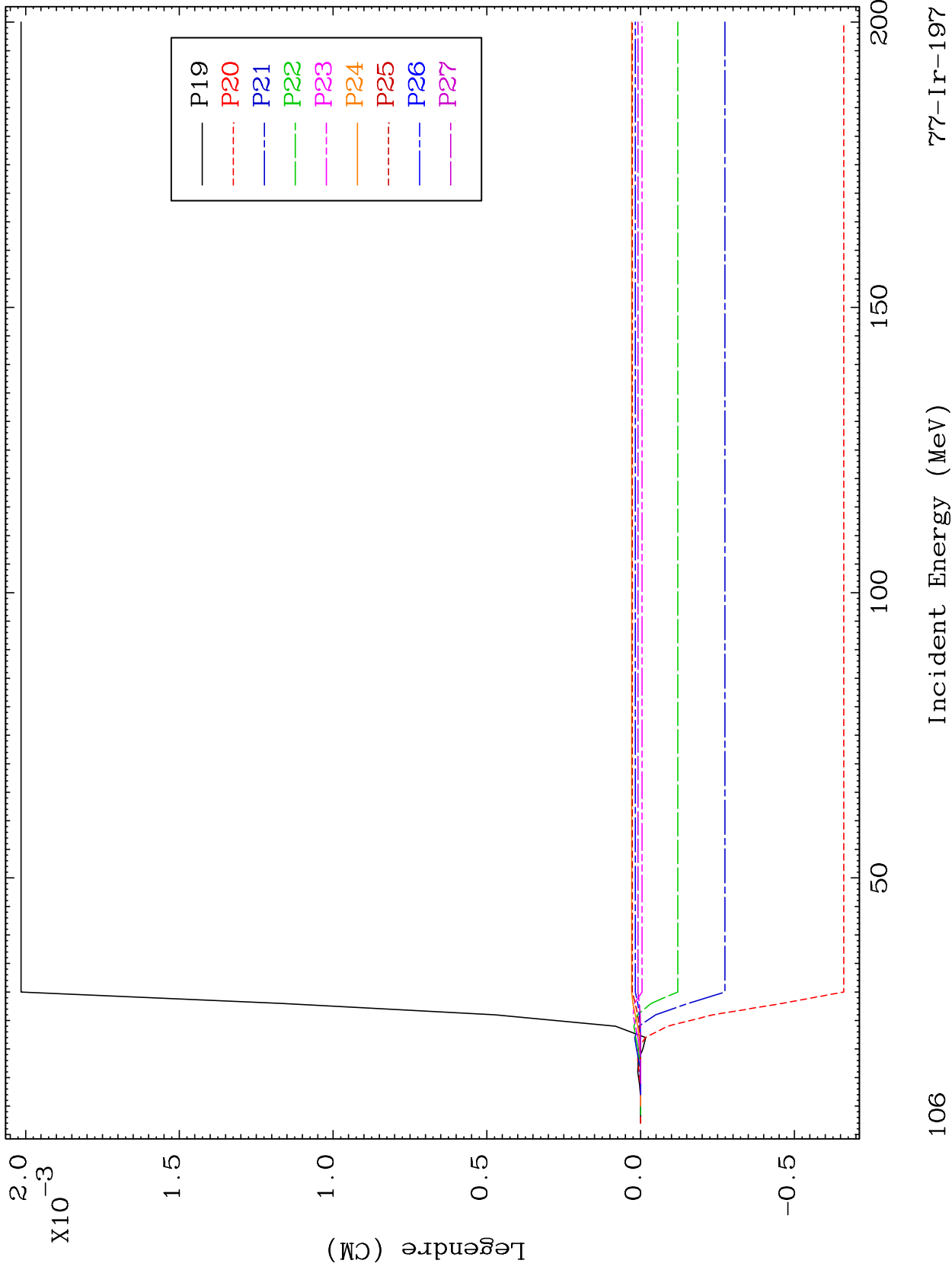
Incident Energy (MeV)

105

MAT 7743

1.459 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



106

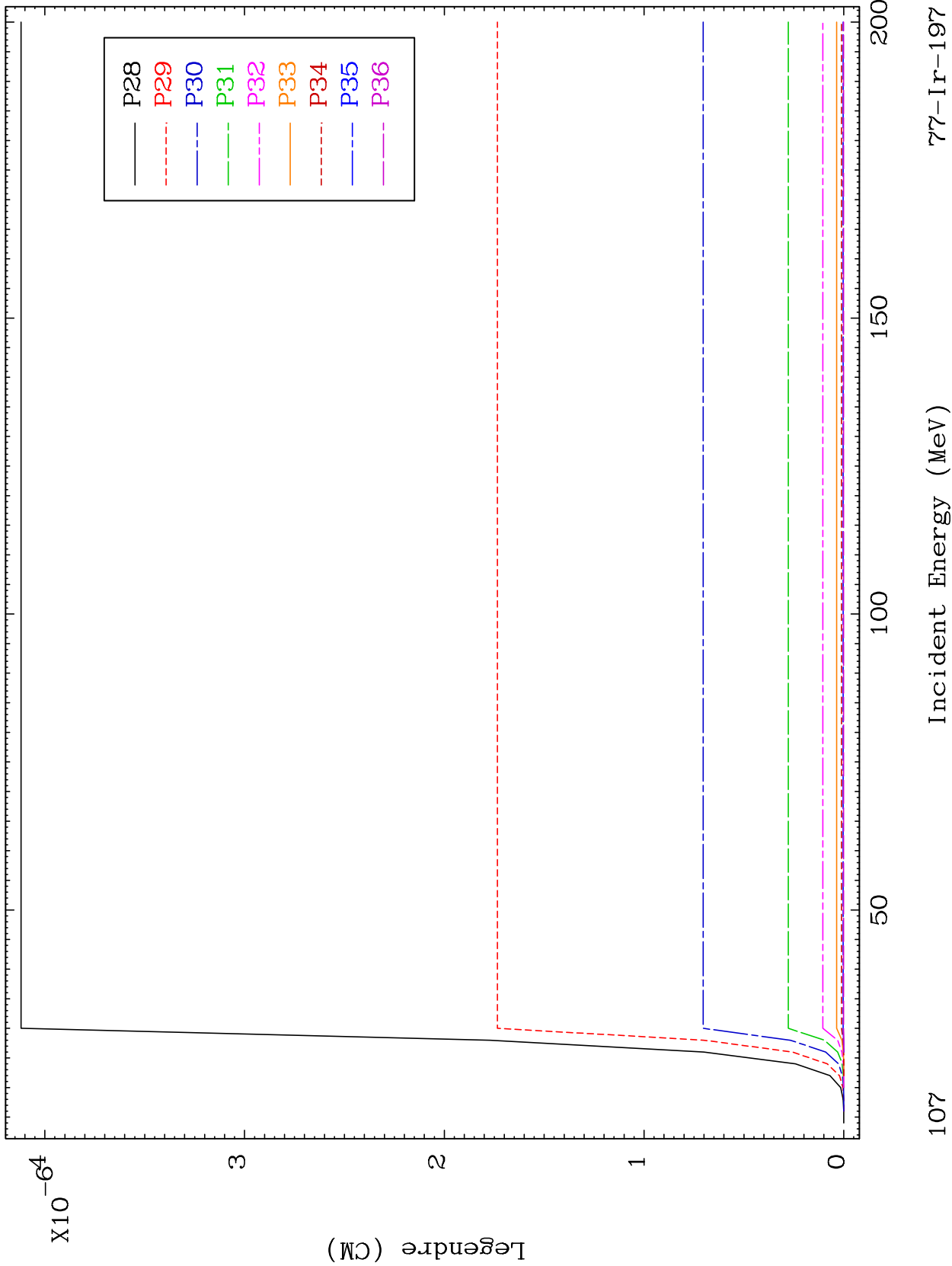
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.459 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



107

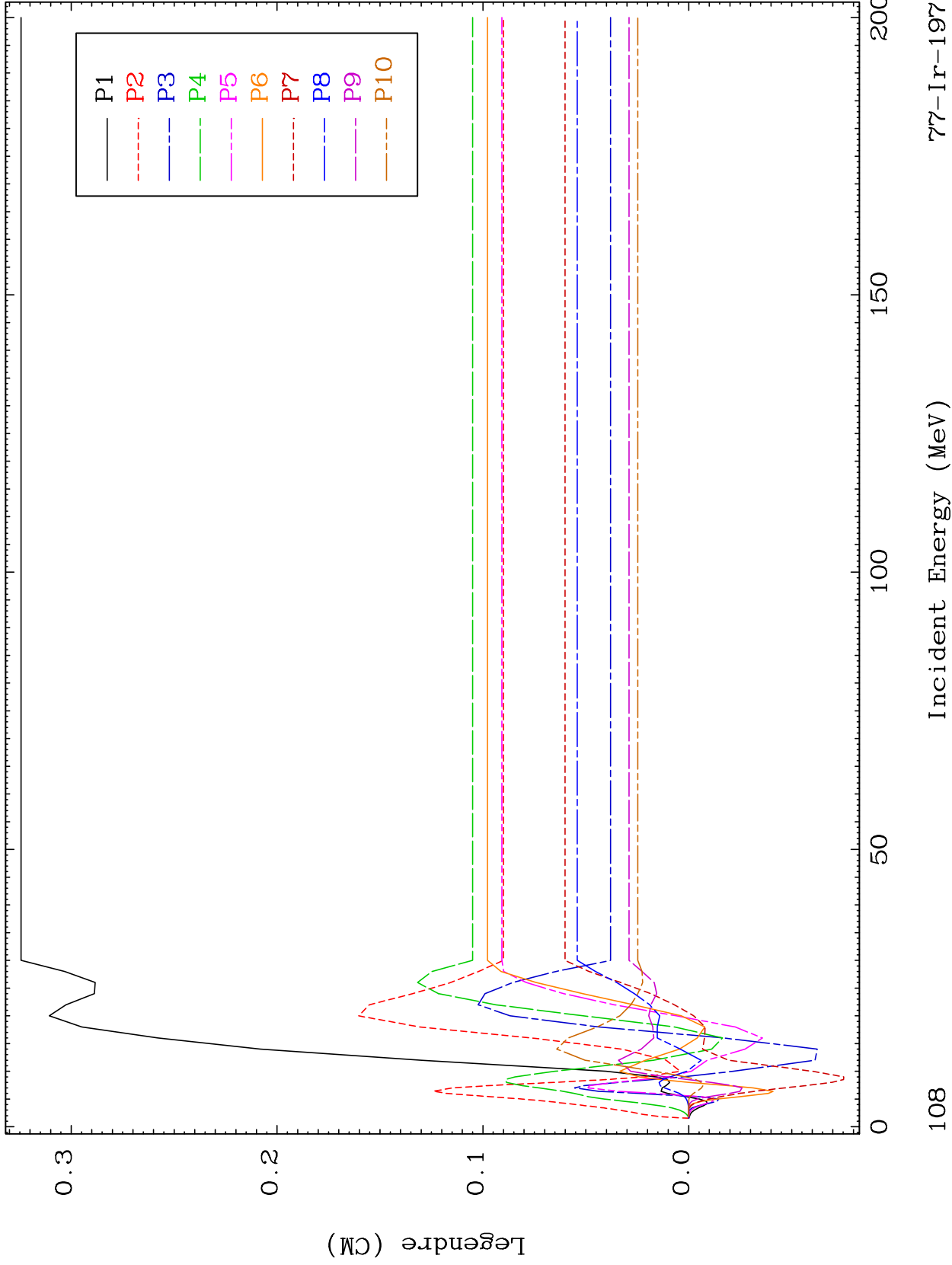
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.528 MeV (n,n') Level  
Legendre Coefficients

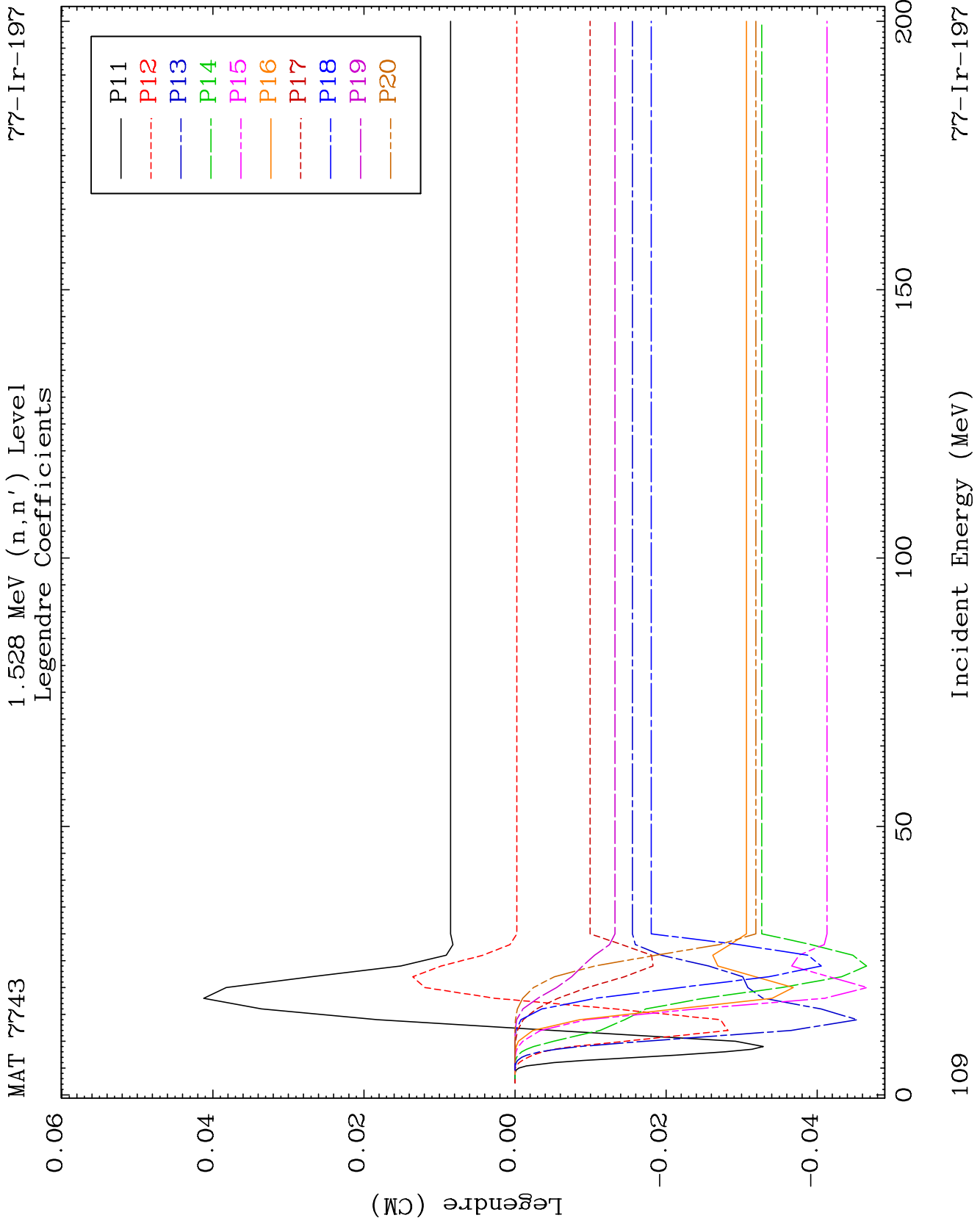
77-Ir-197

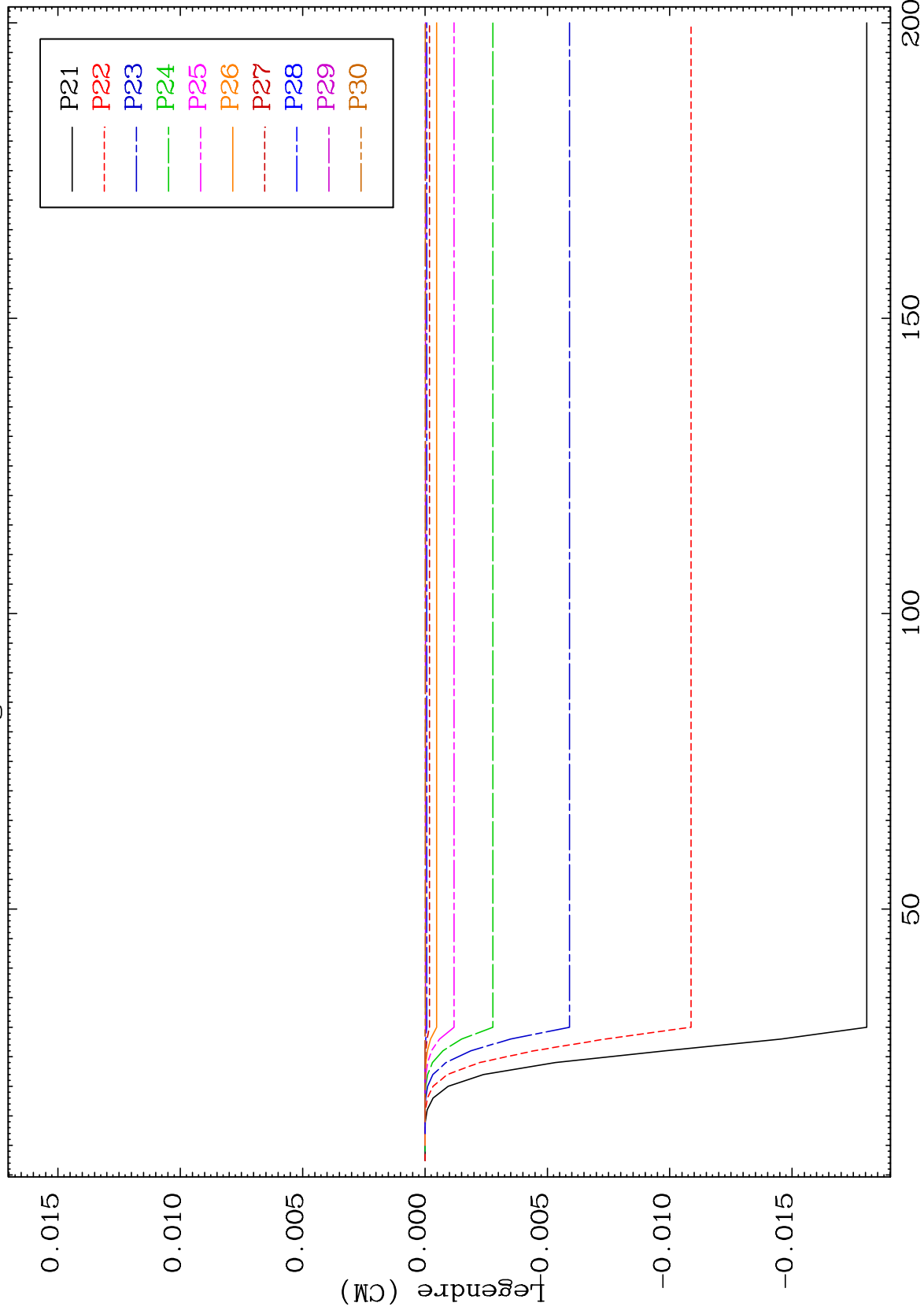


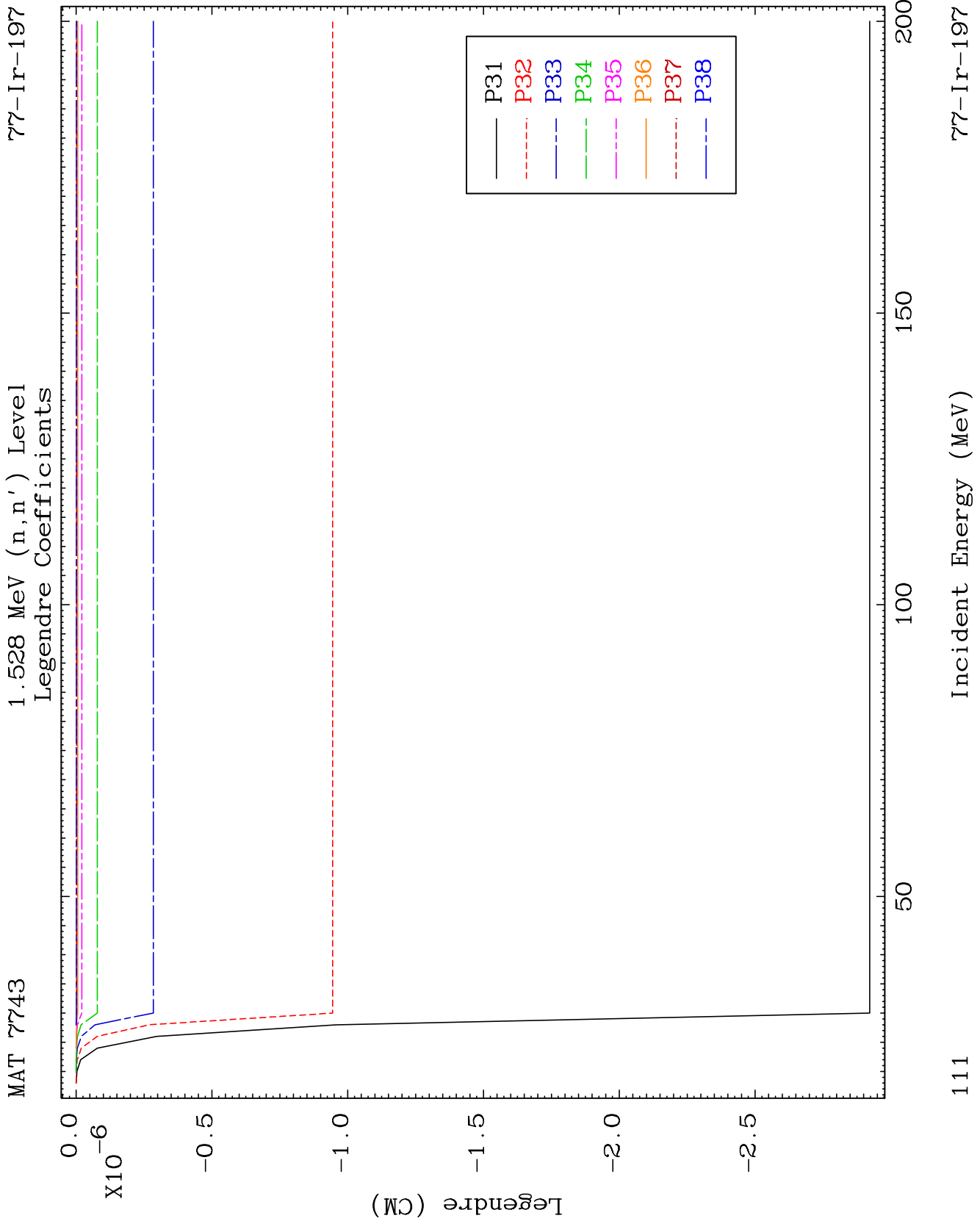
77-Ir-197

Incident Energy (MeV)

108





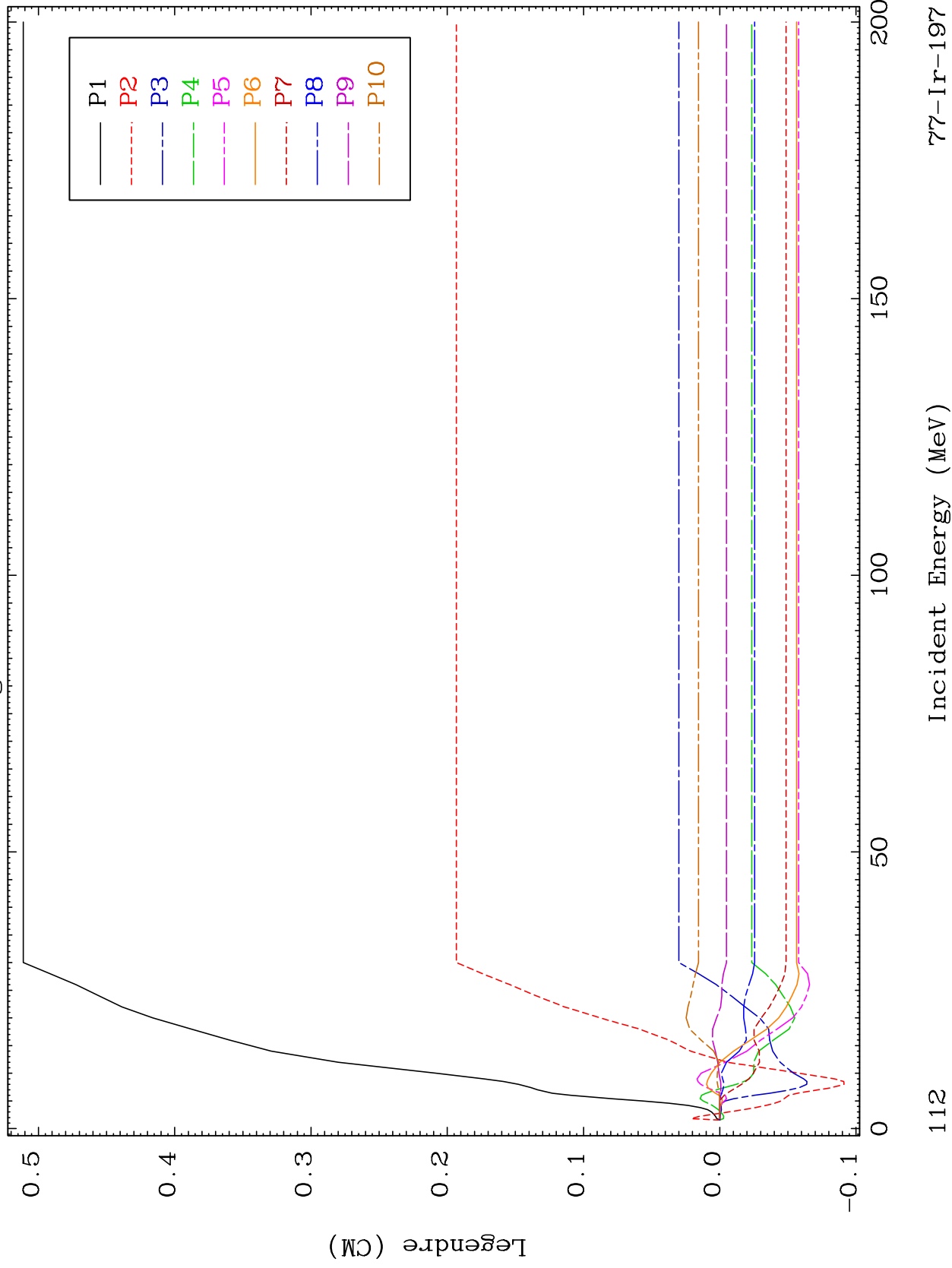




MAT 7743

1.529 MeV (n,n') Level  
Legendre Coefficients

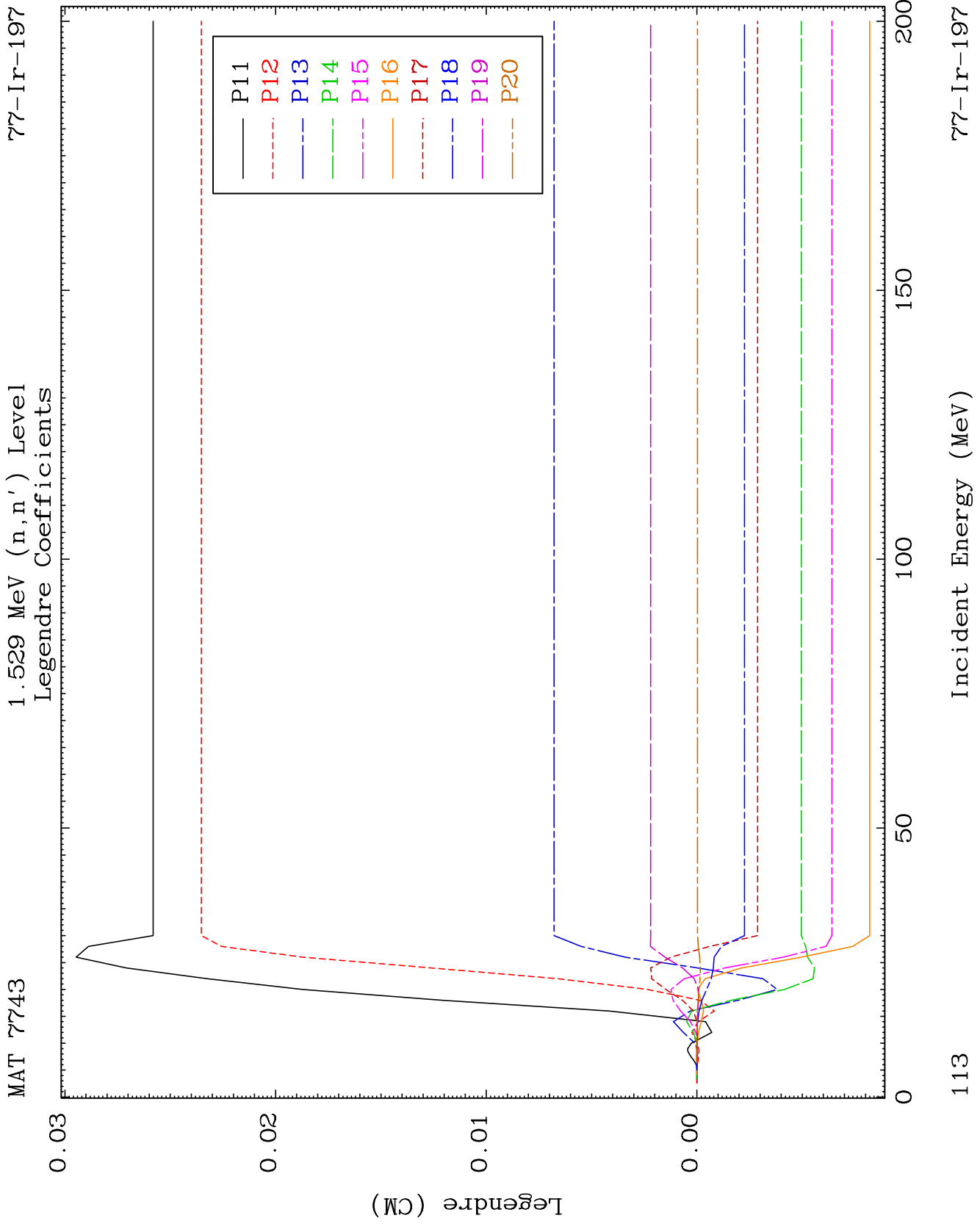
77-Ir-197

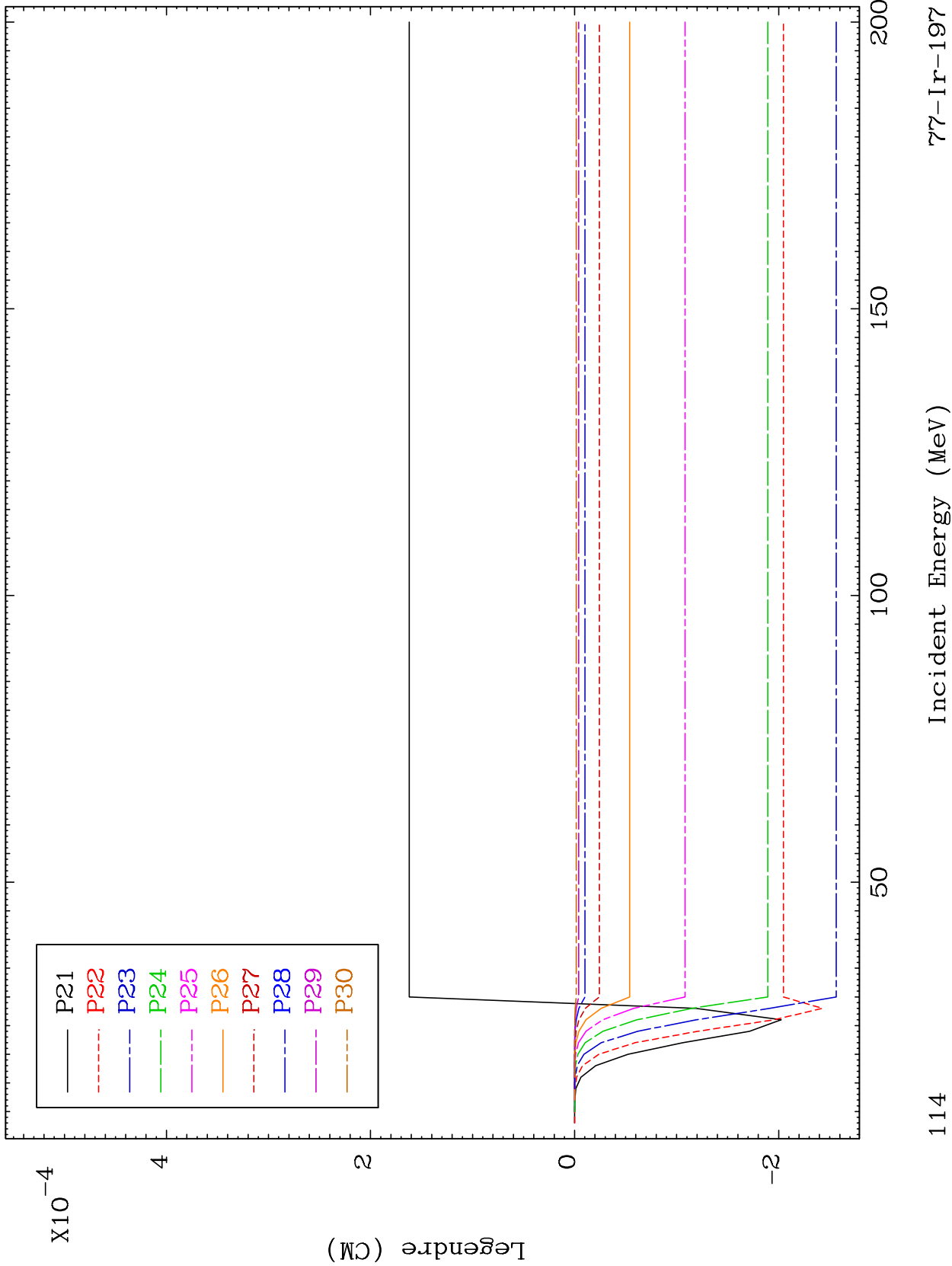


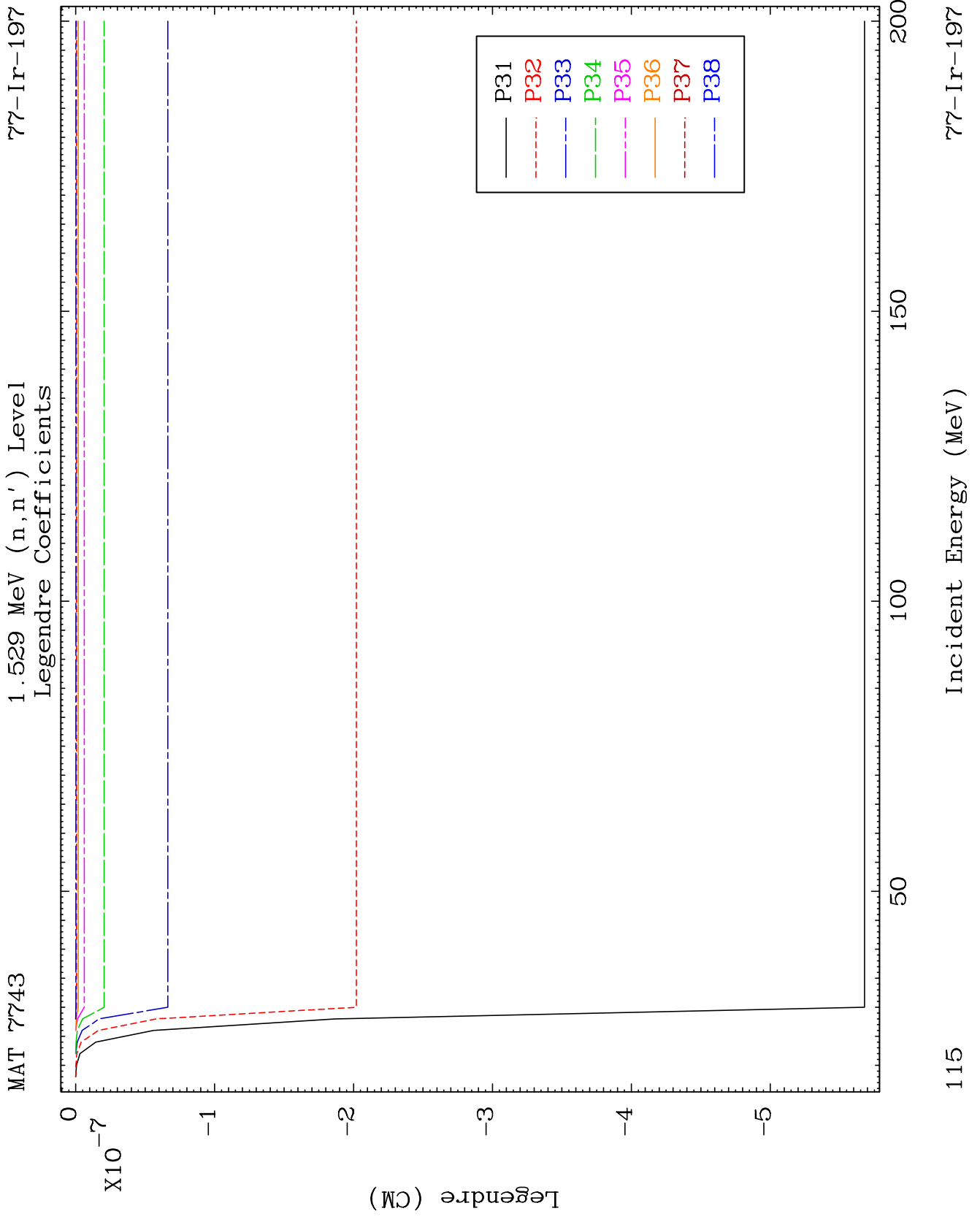
77-Ir-197

Incident Energy (MeV)

112



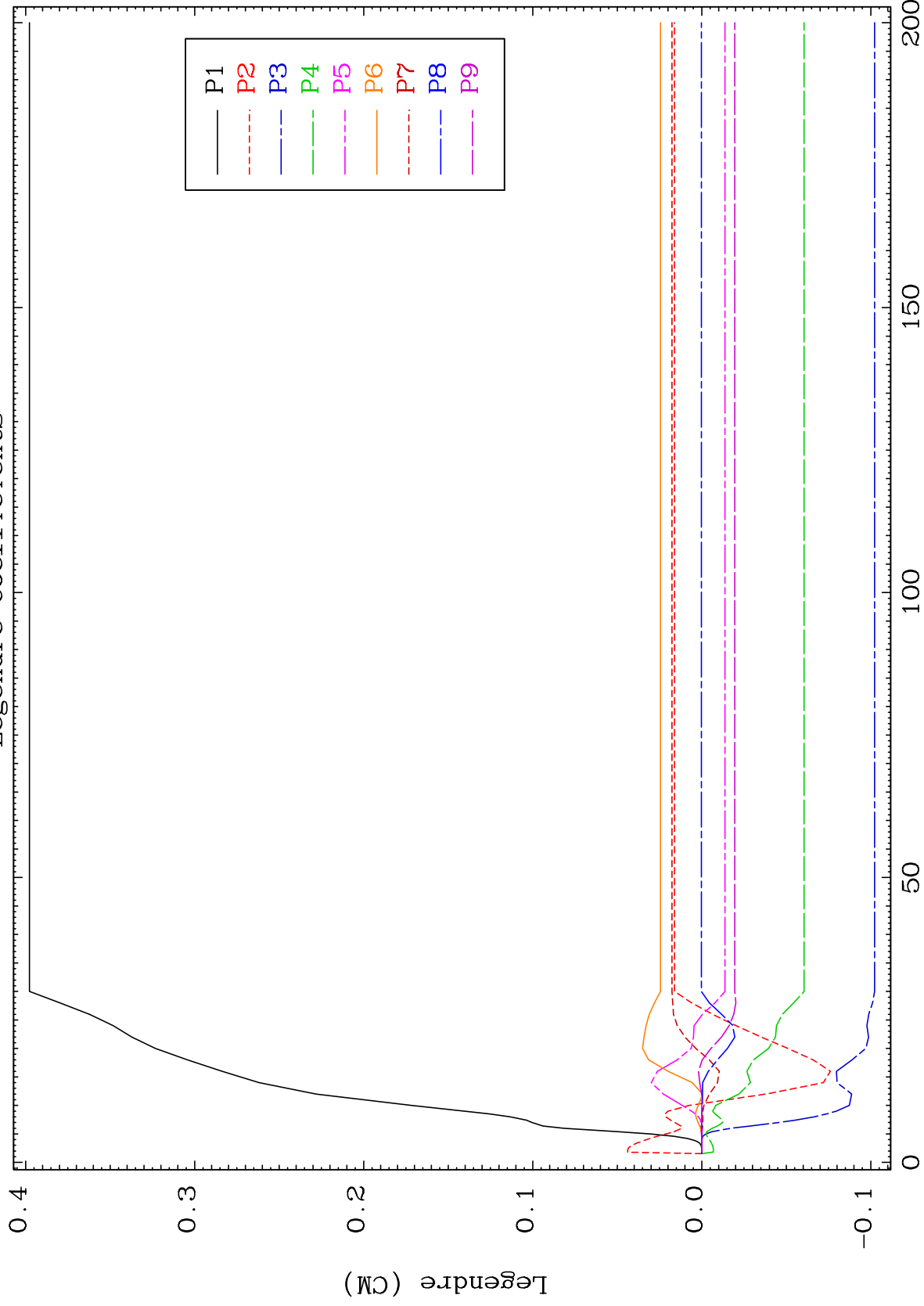




MAT 7743

1.530 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



116

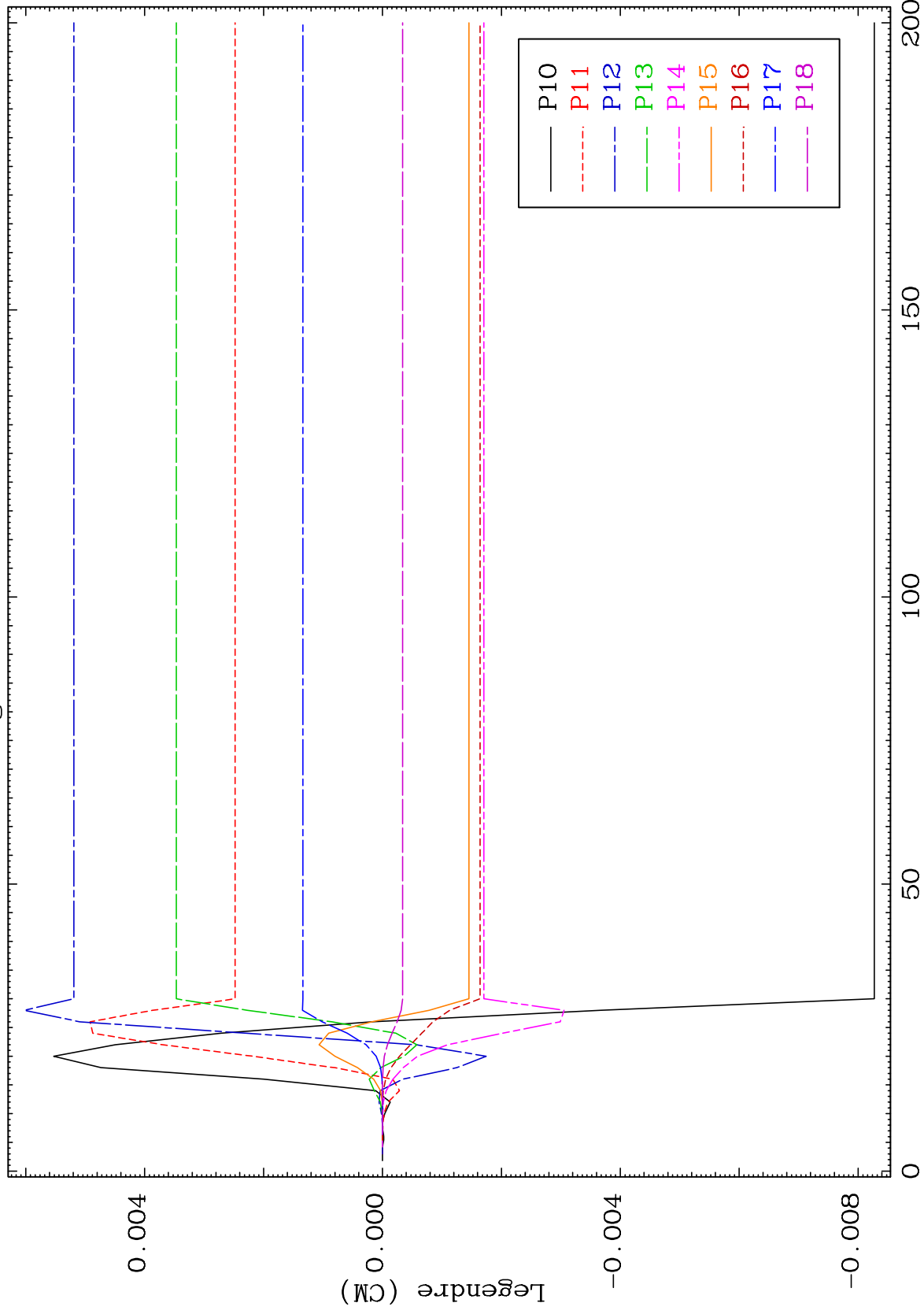
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.530 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



117

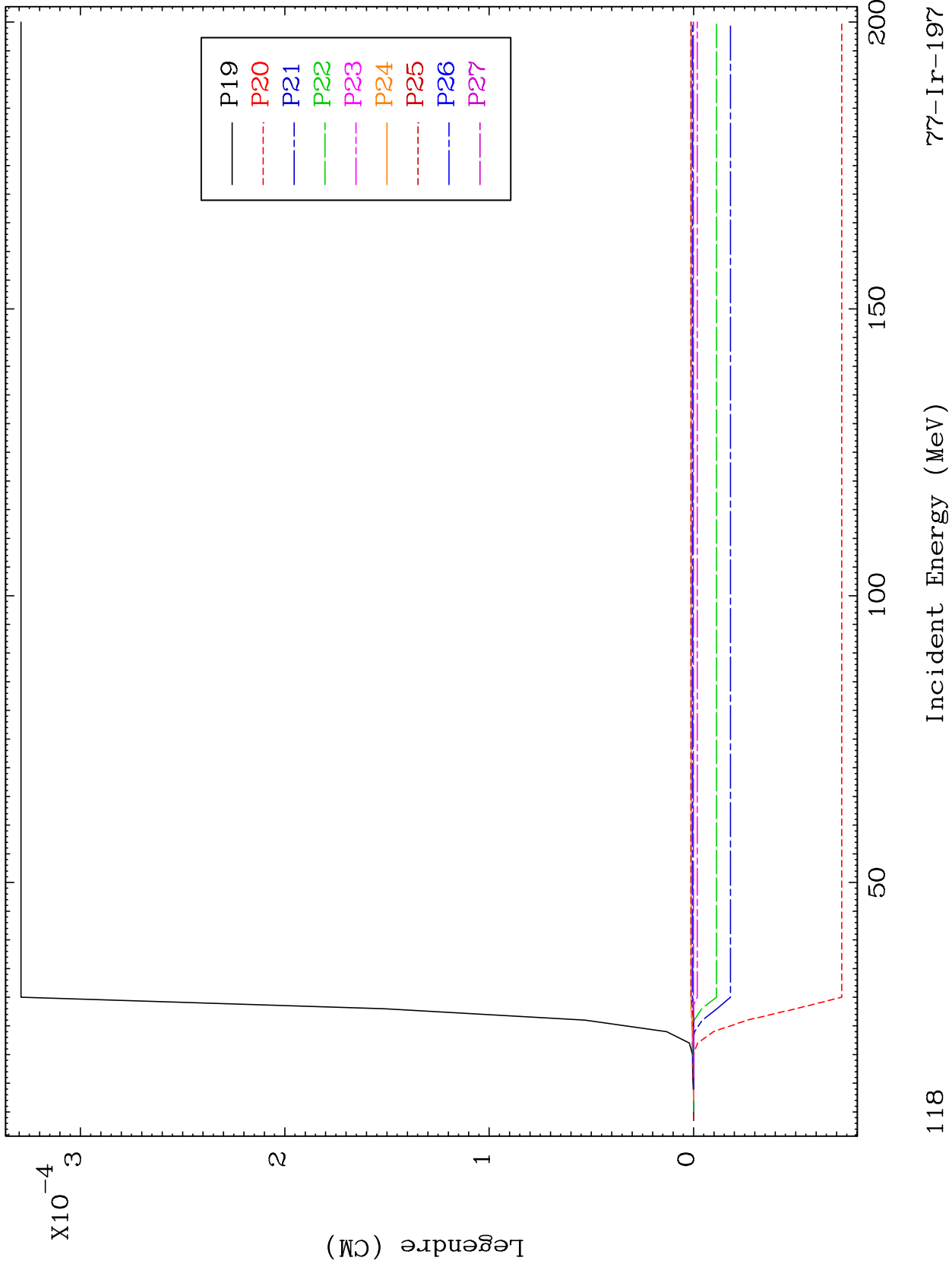
Incident Energy (MeV)

77-Ir-197

MAT 7743

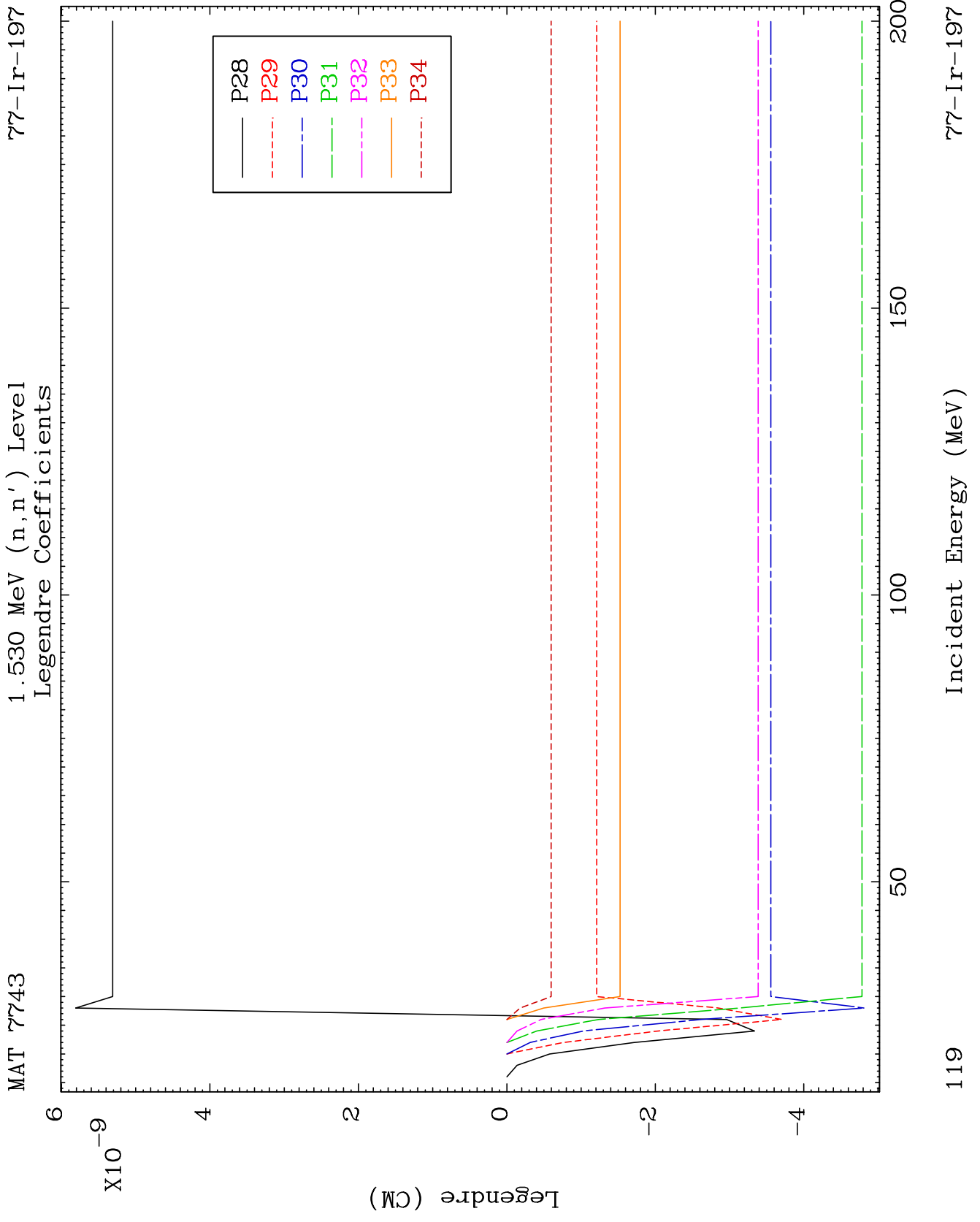
1.530 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



118

77-Ir-197

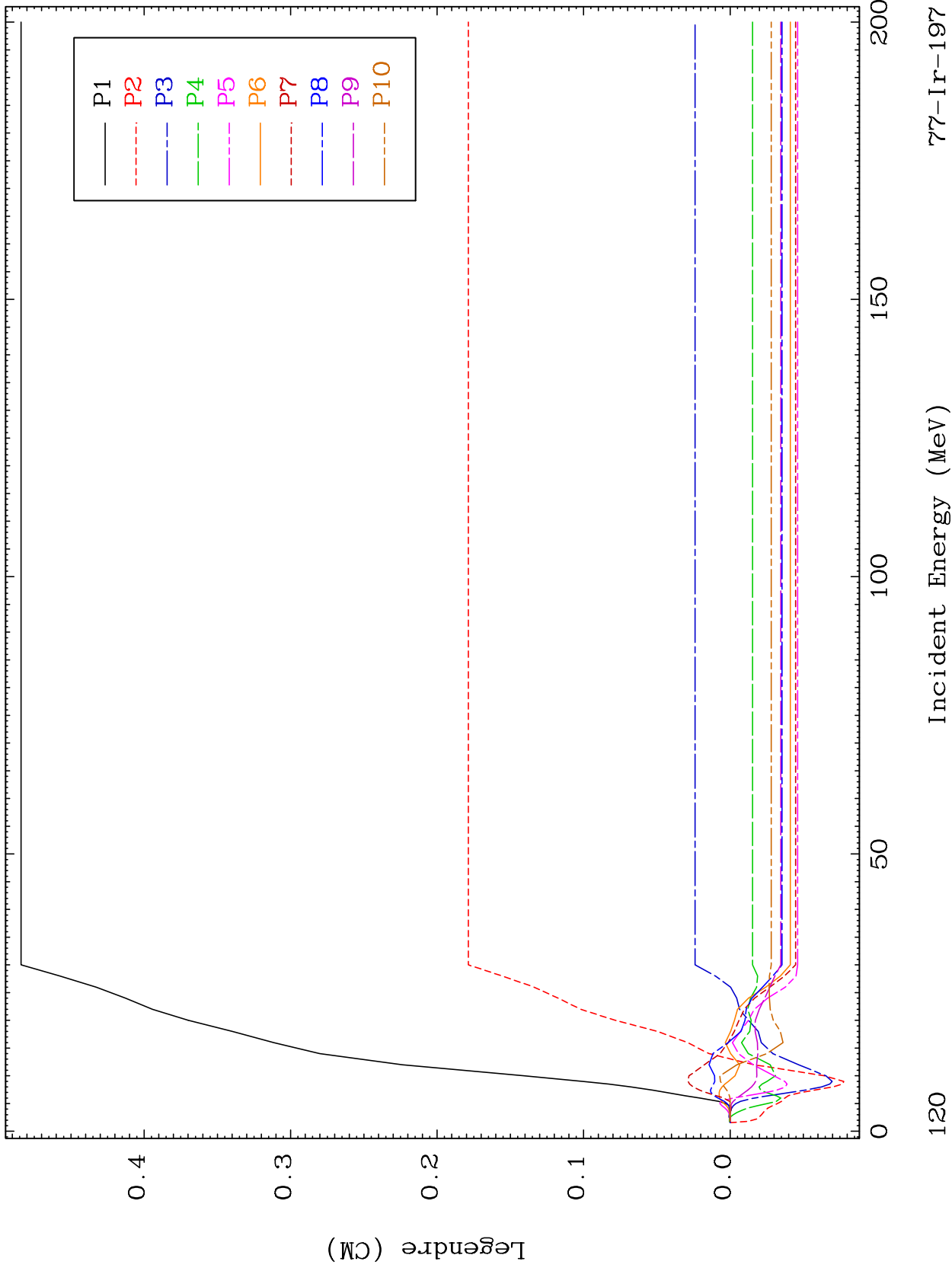




MAT 7743

1.534 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197

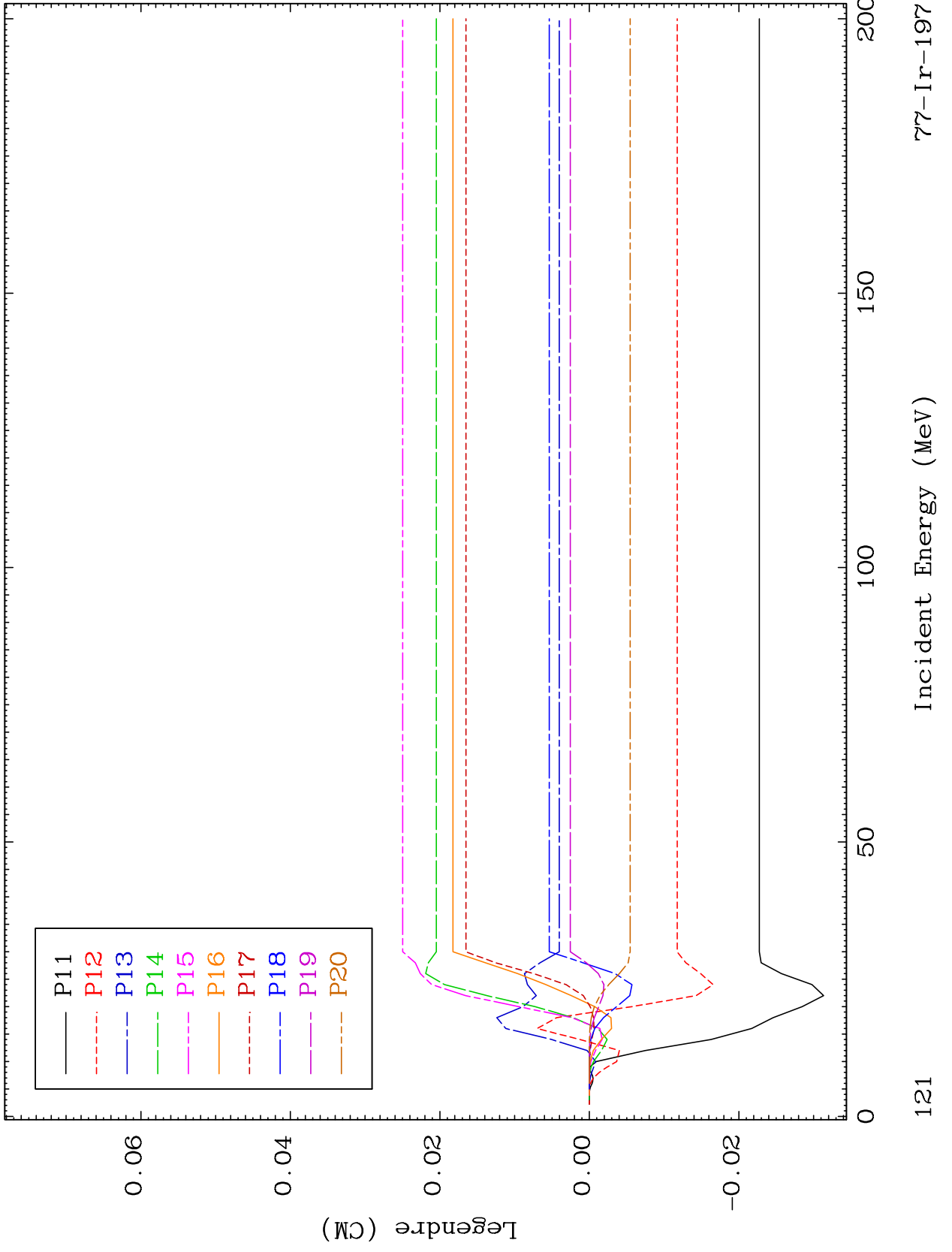


77-Ir-197

MAT 7743

1.534 MeV (n,n') Level  
Legendre Coefficients

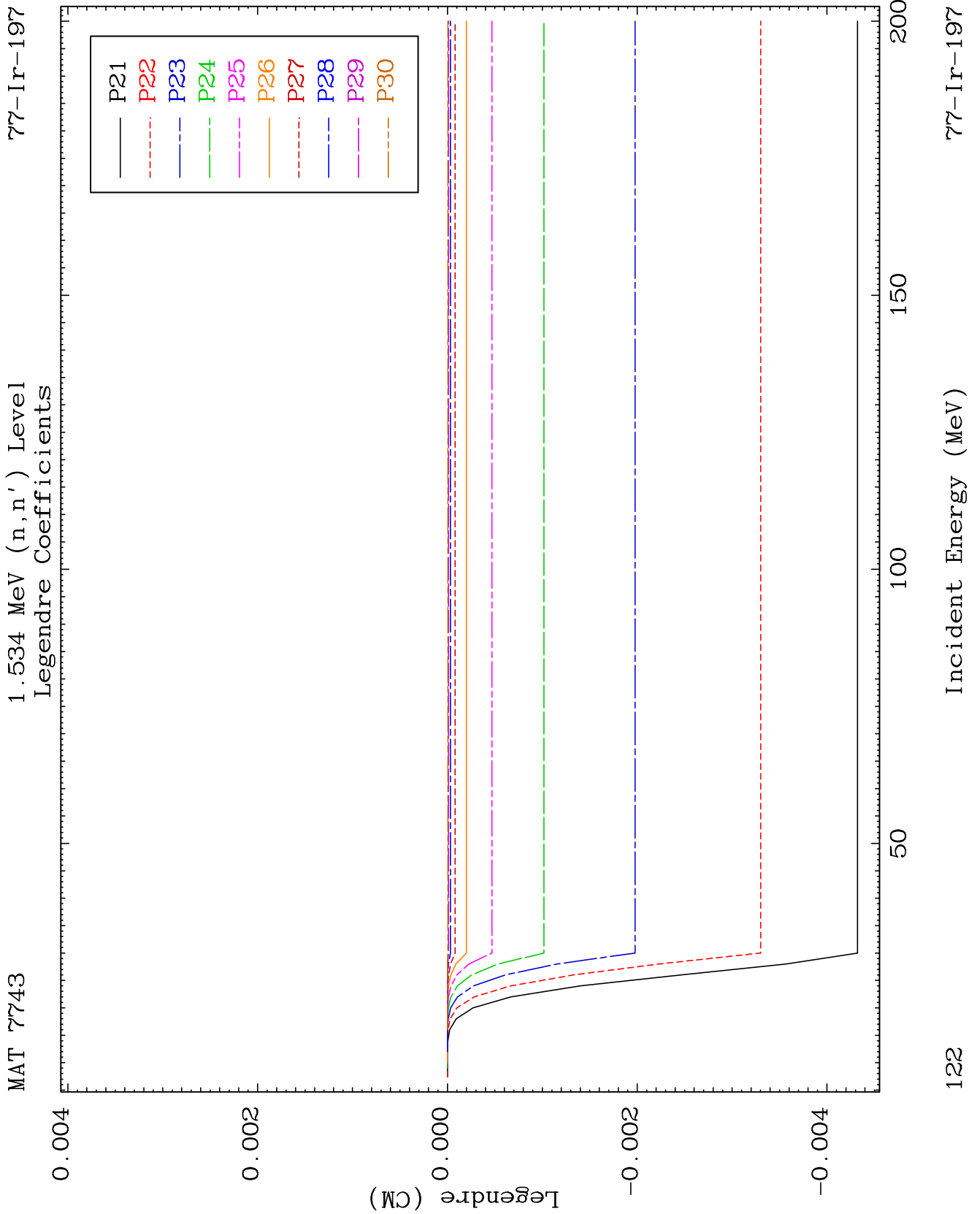
77-Ir-197

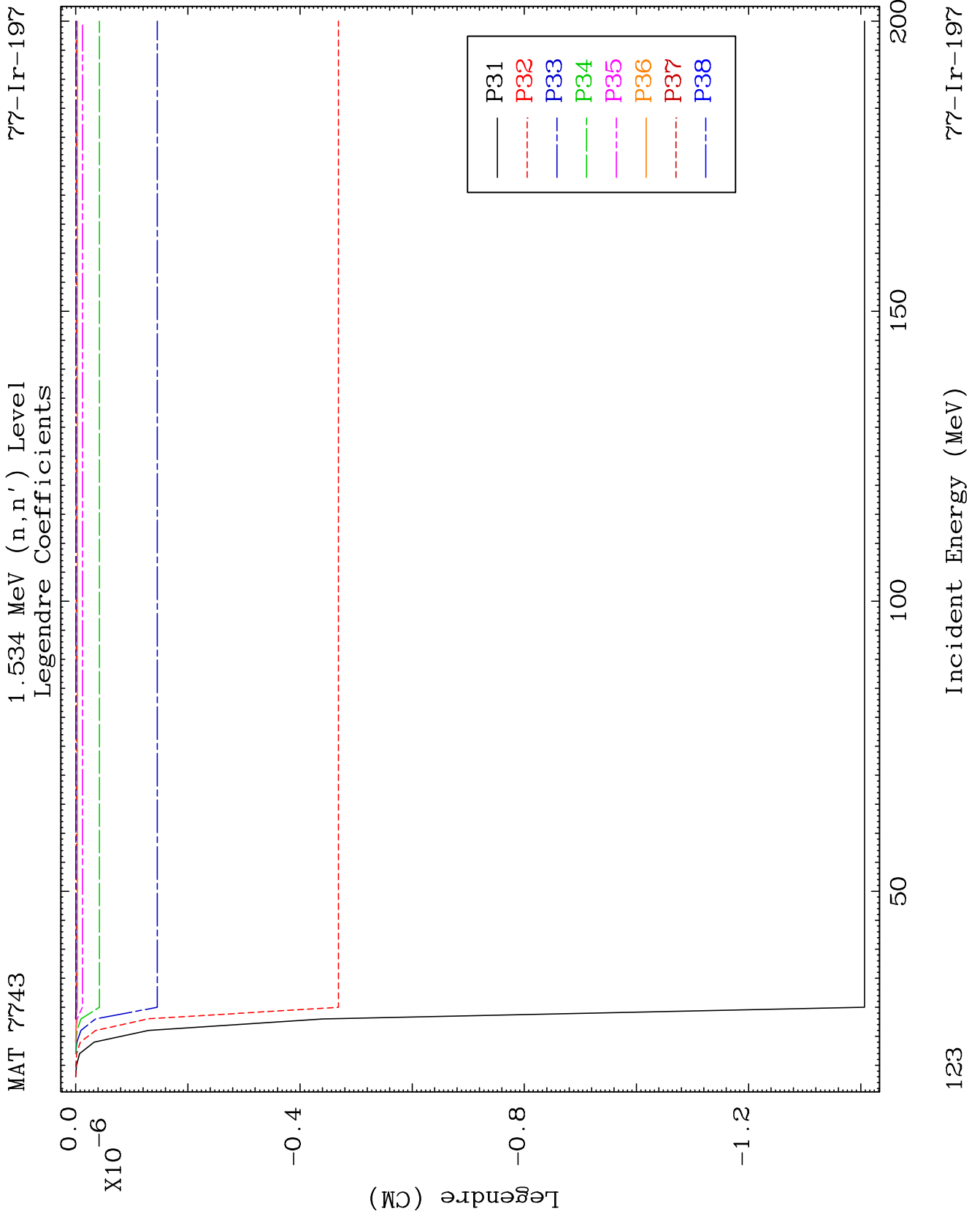


121

Incident Energy (MeV)

77-Ir-197

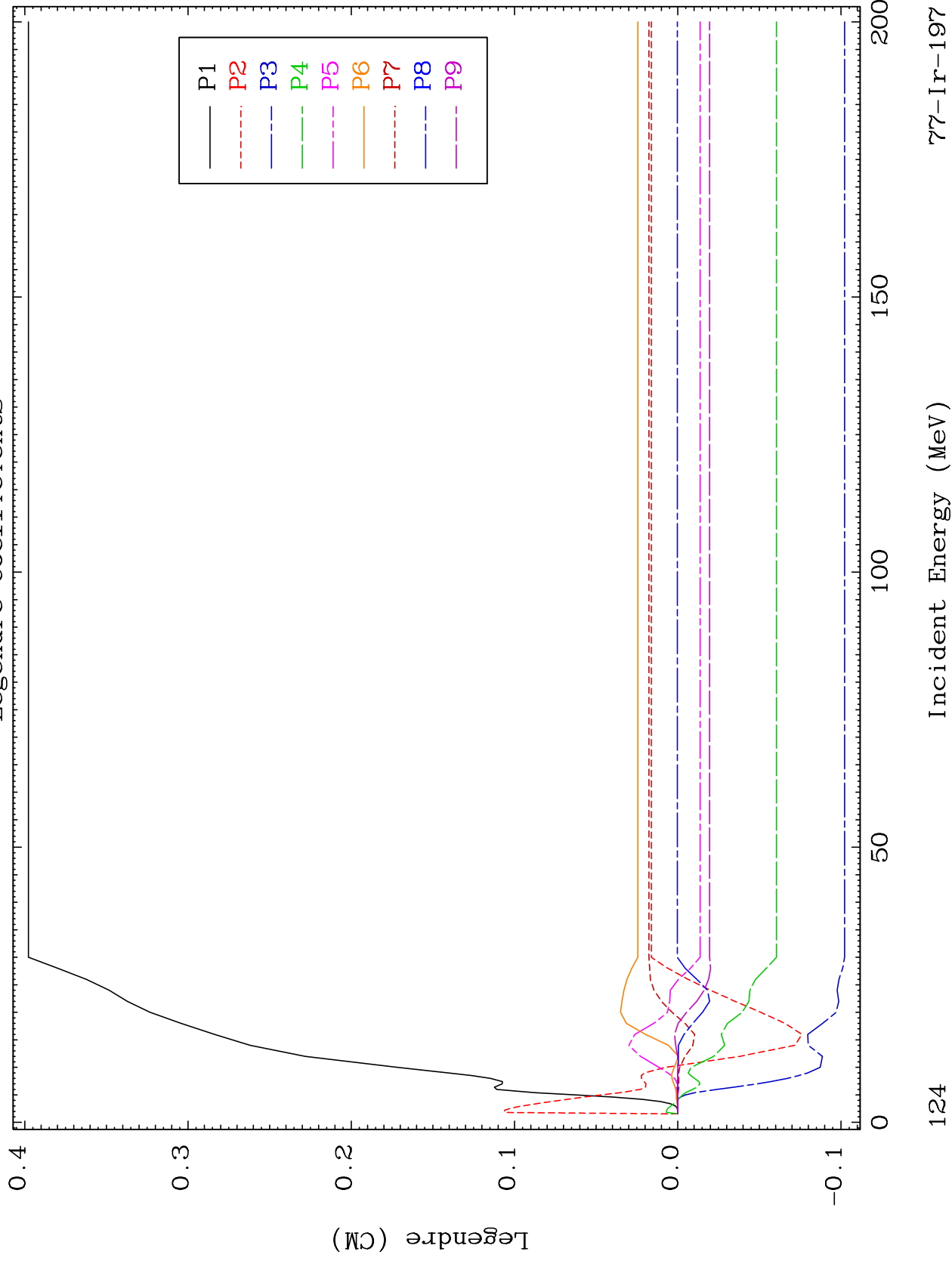




MAT 7743

1.535 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

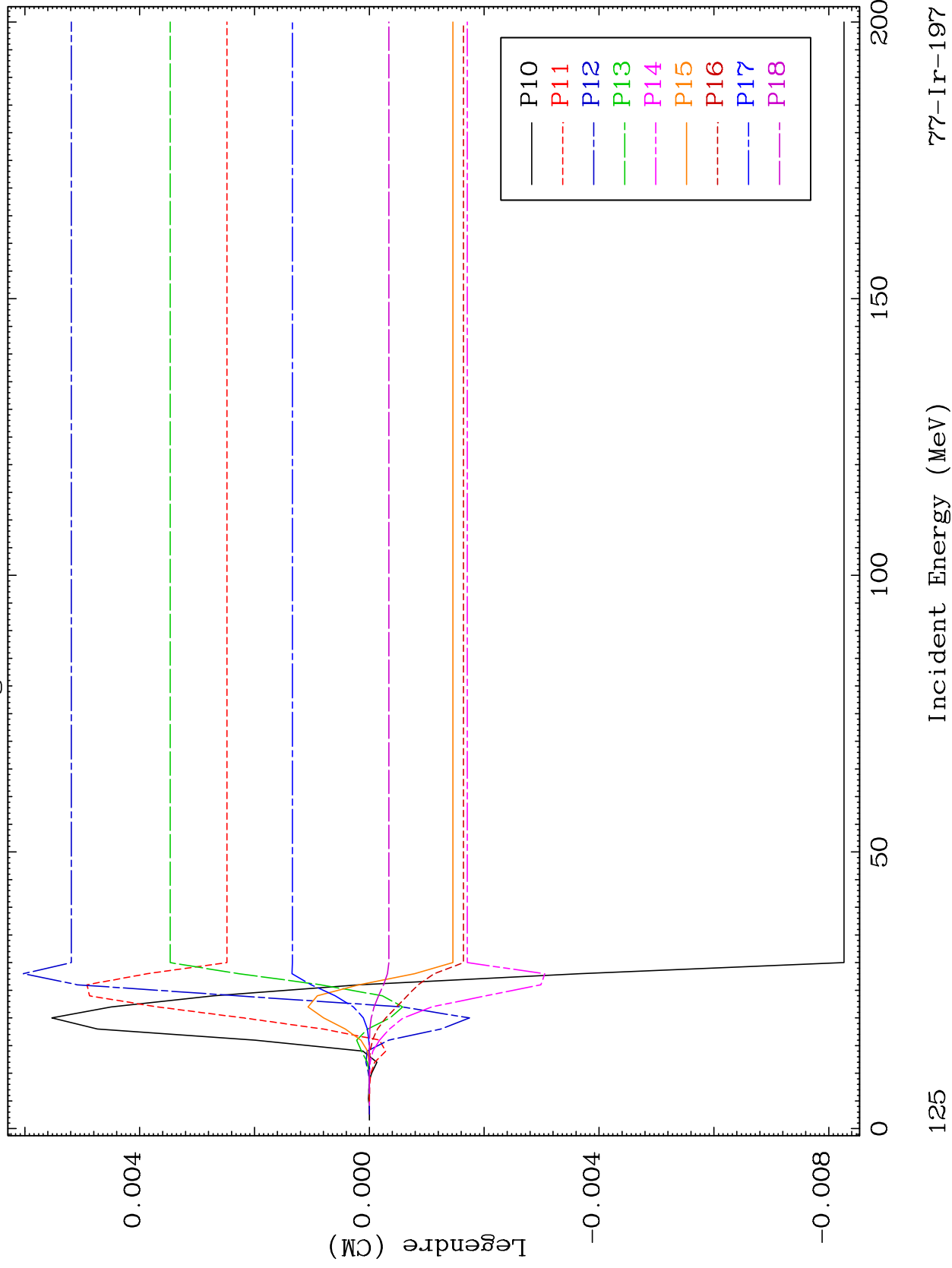
Incident Energy (MeV)

124

MAT 7743

1.535 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

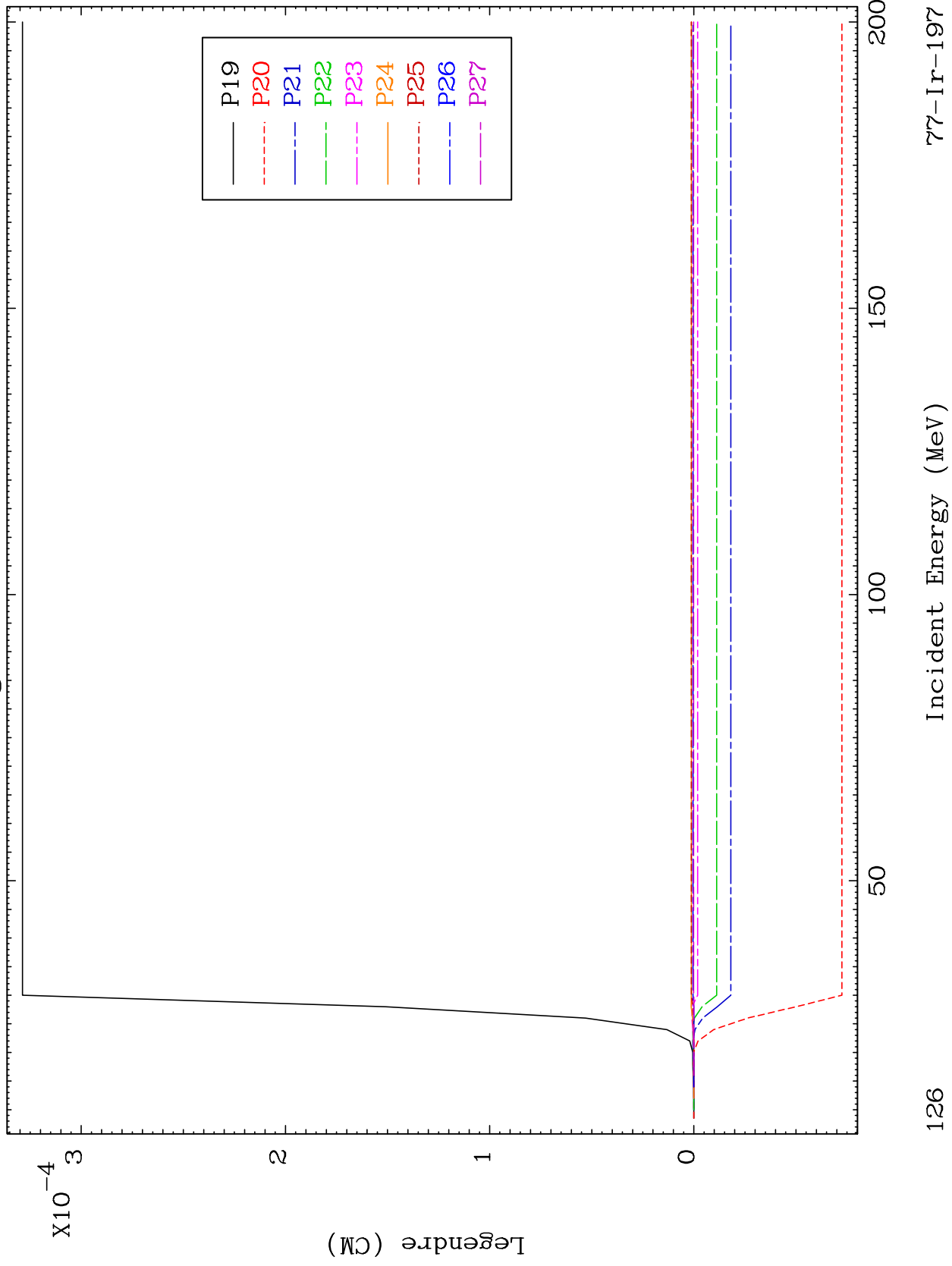
Incident Energy (MeV)

125

MAT 7743

1.535 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



126

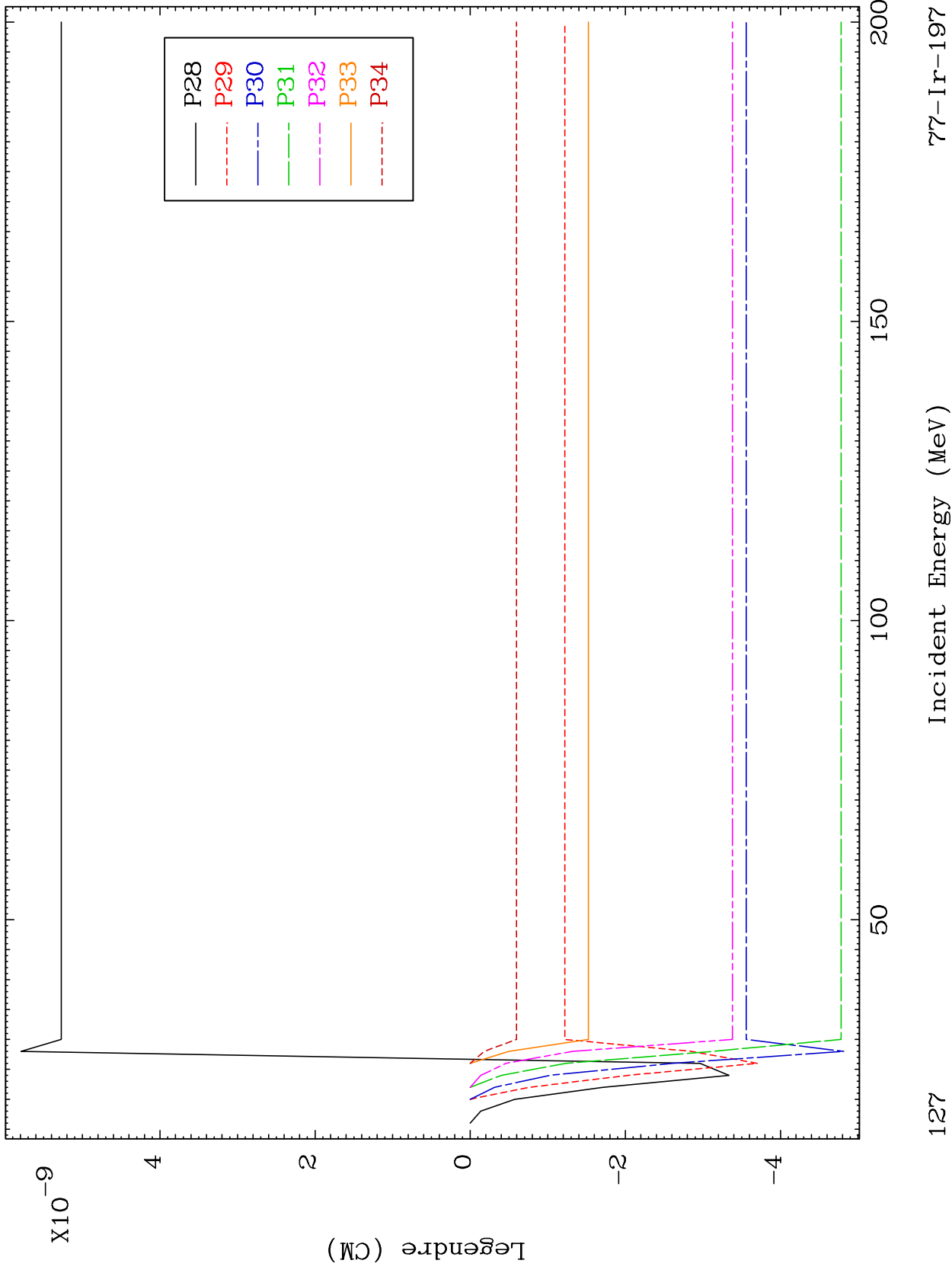
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.535 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



127

Incident Energy (MeV)

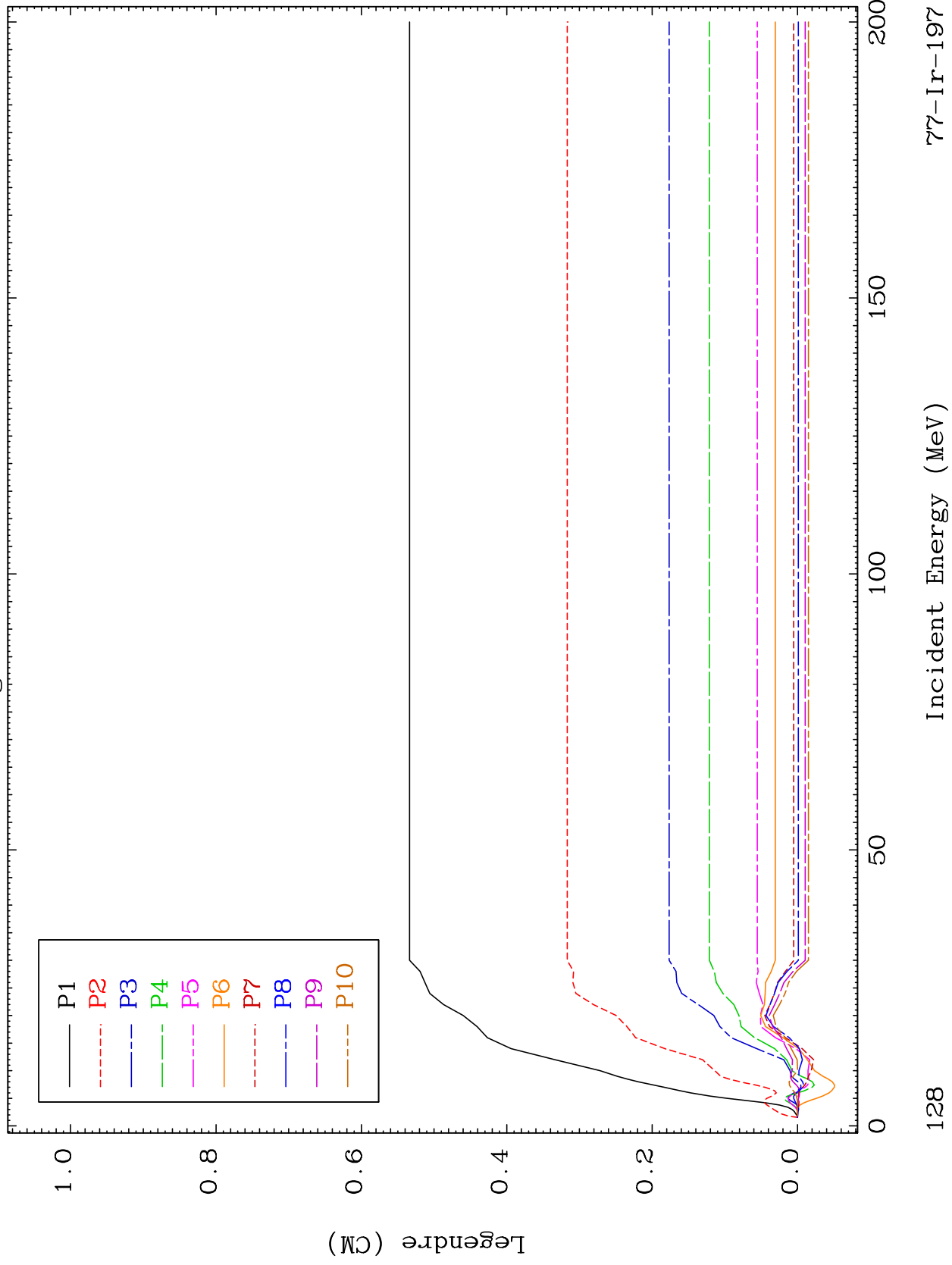
77-Ir-197



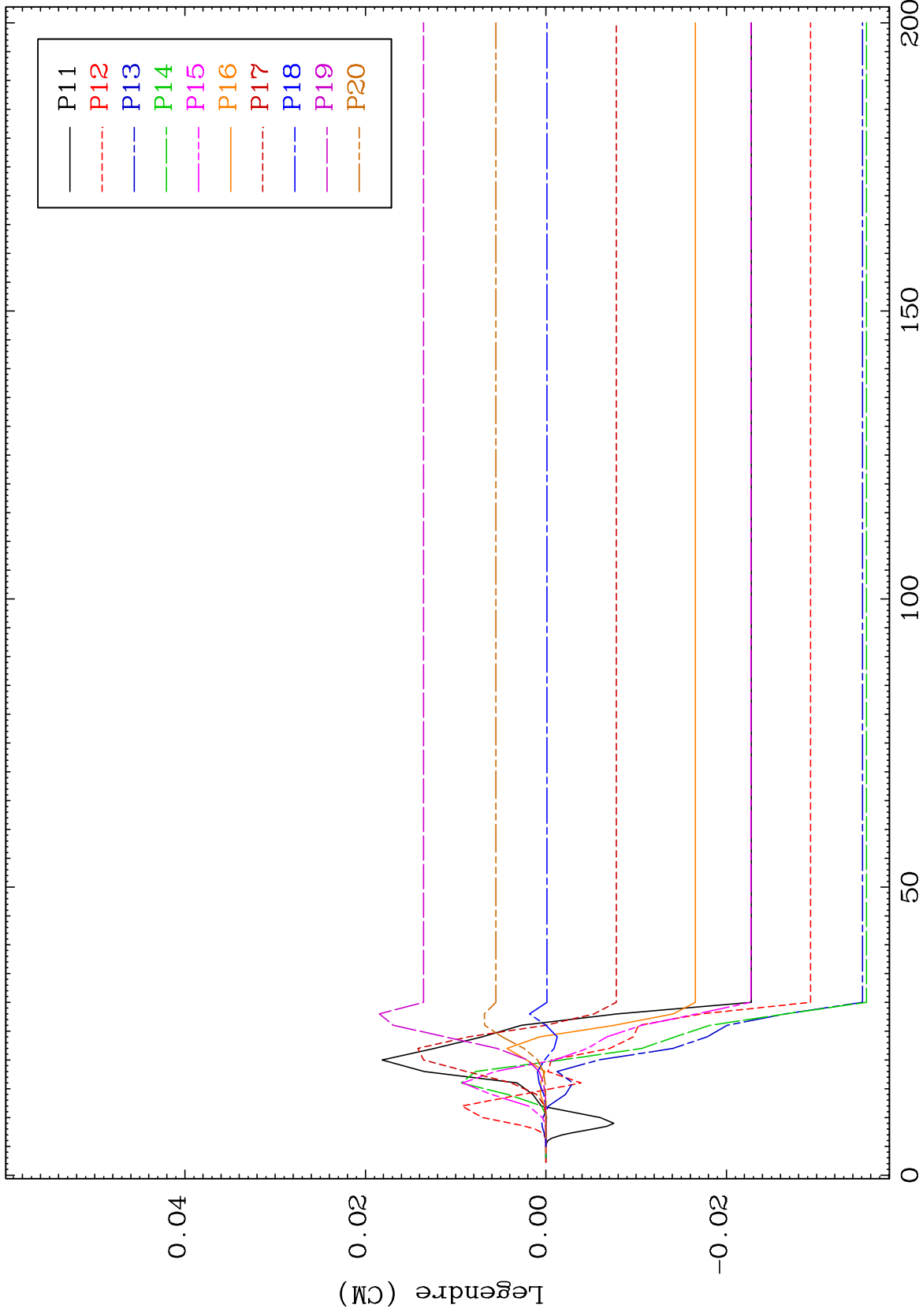
MAT 7743

1.536 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



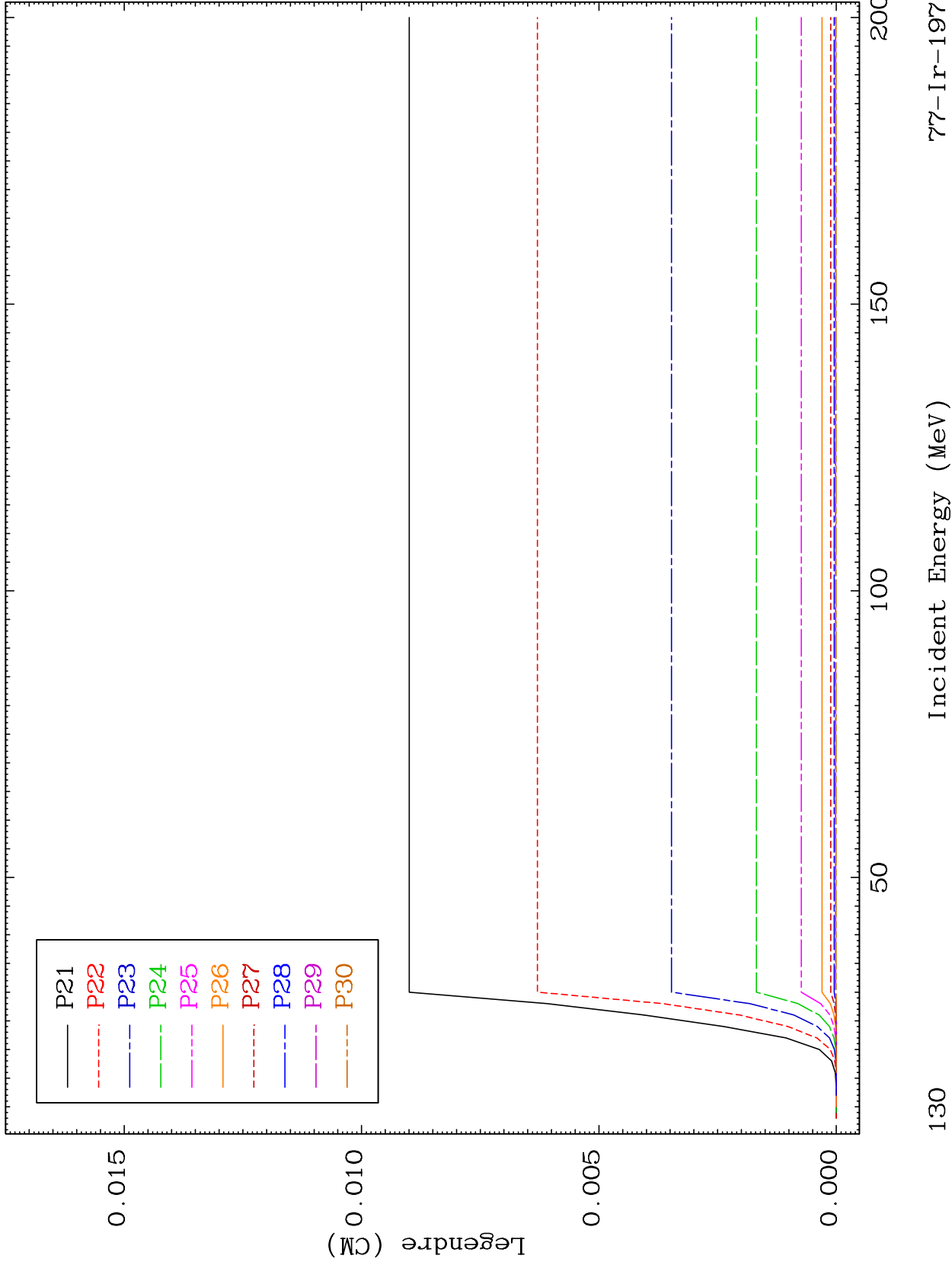
128



MAT 7743

1.536 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



77-Ir-197

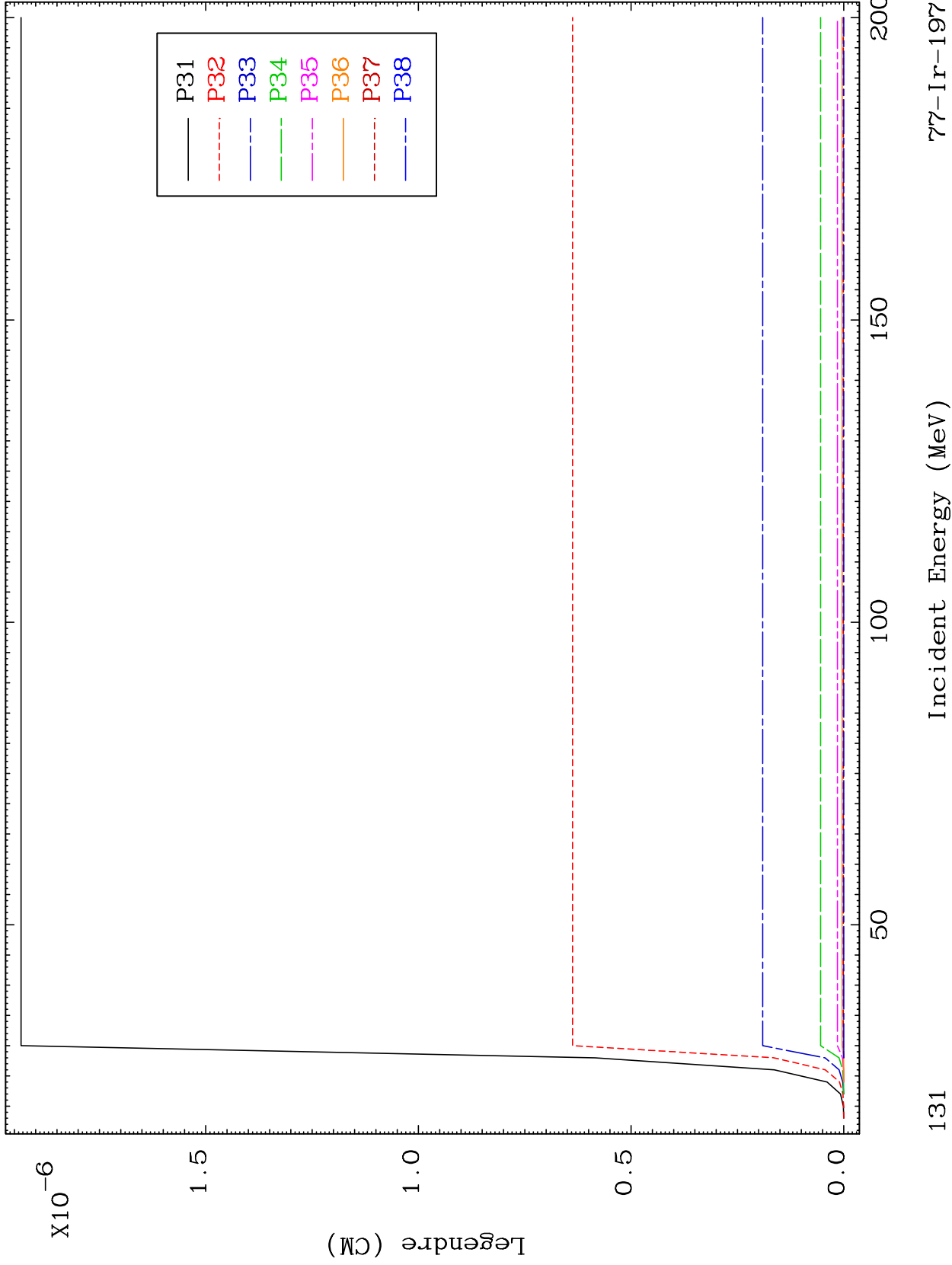
Incident Energy (MeV)

130

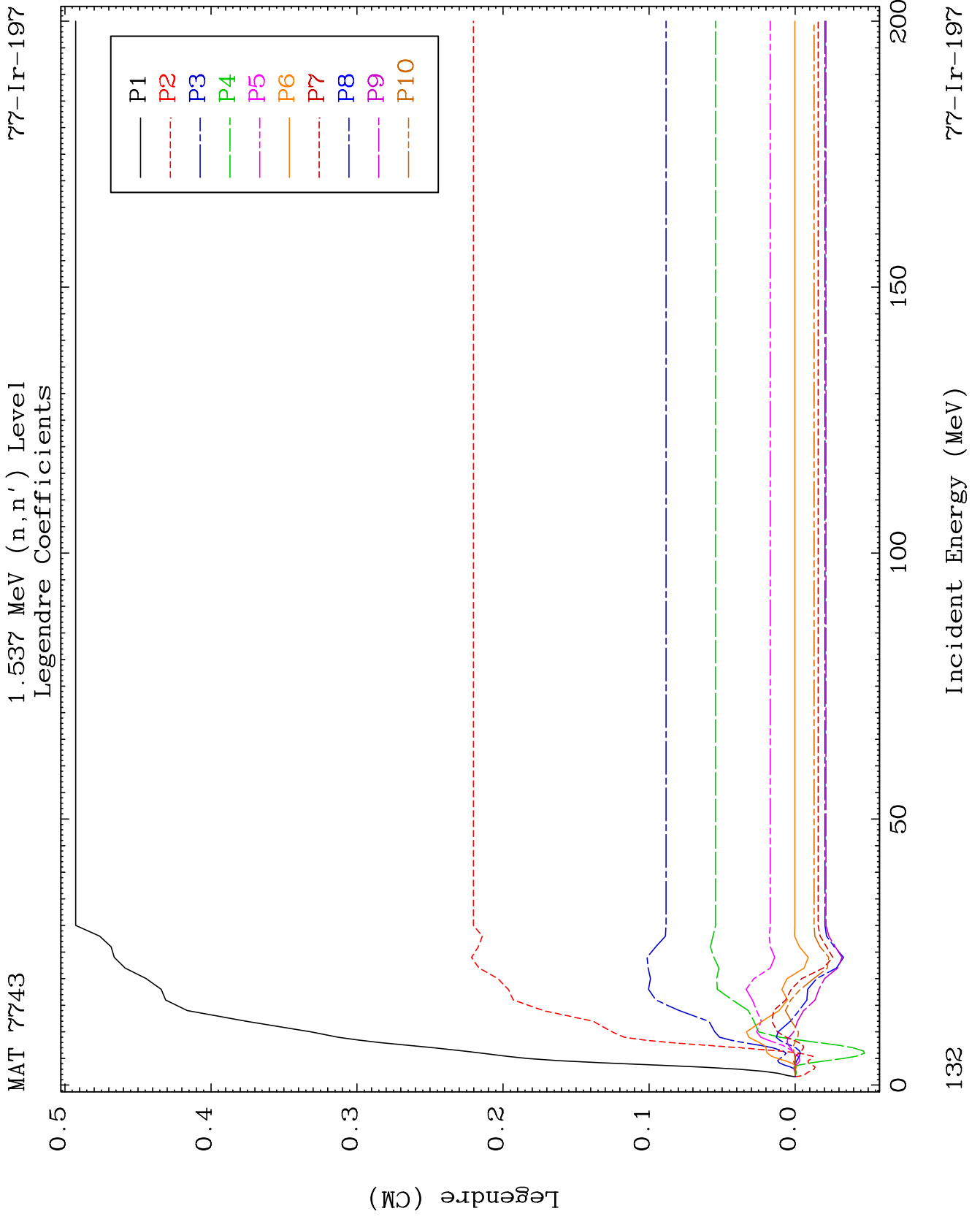
MAT 7743

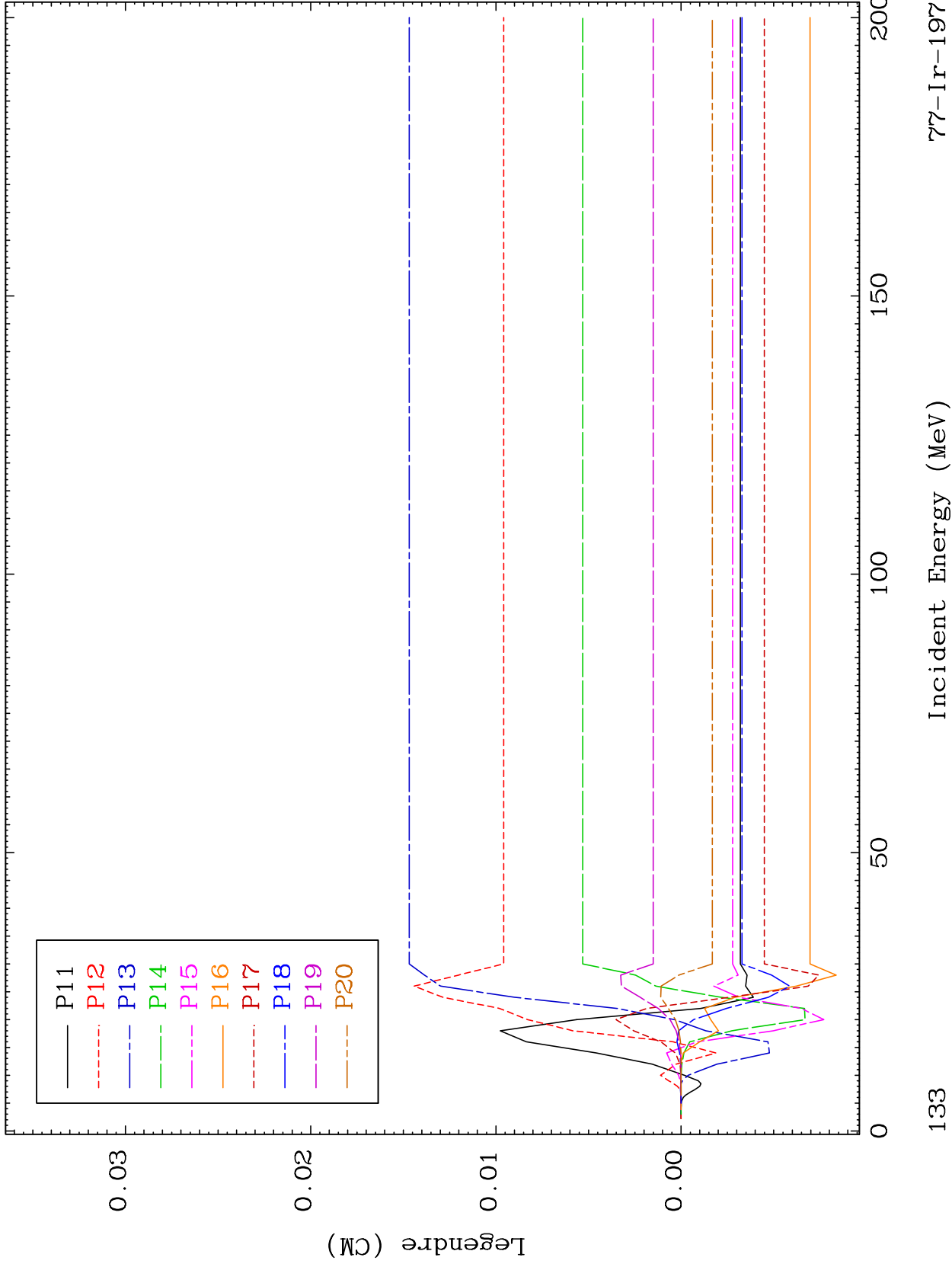
1.536 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



131

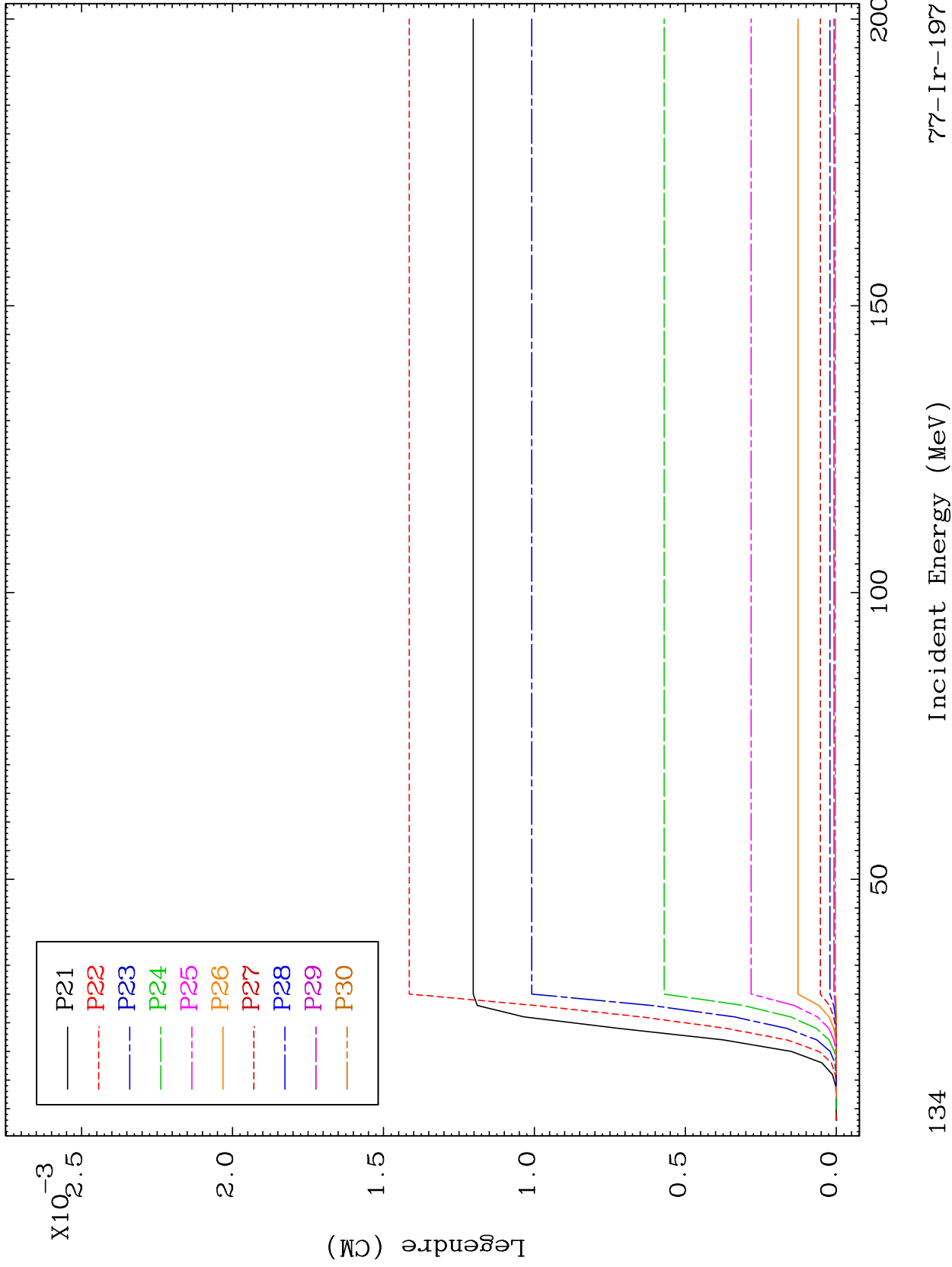




MAT 7743

1.537 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197

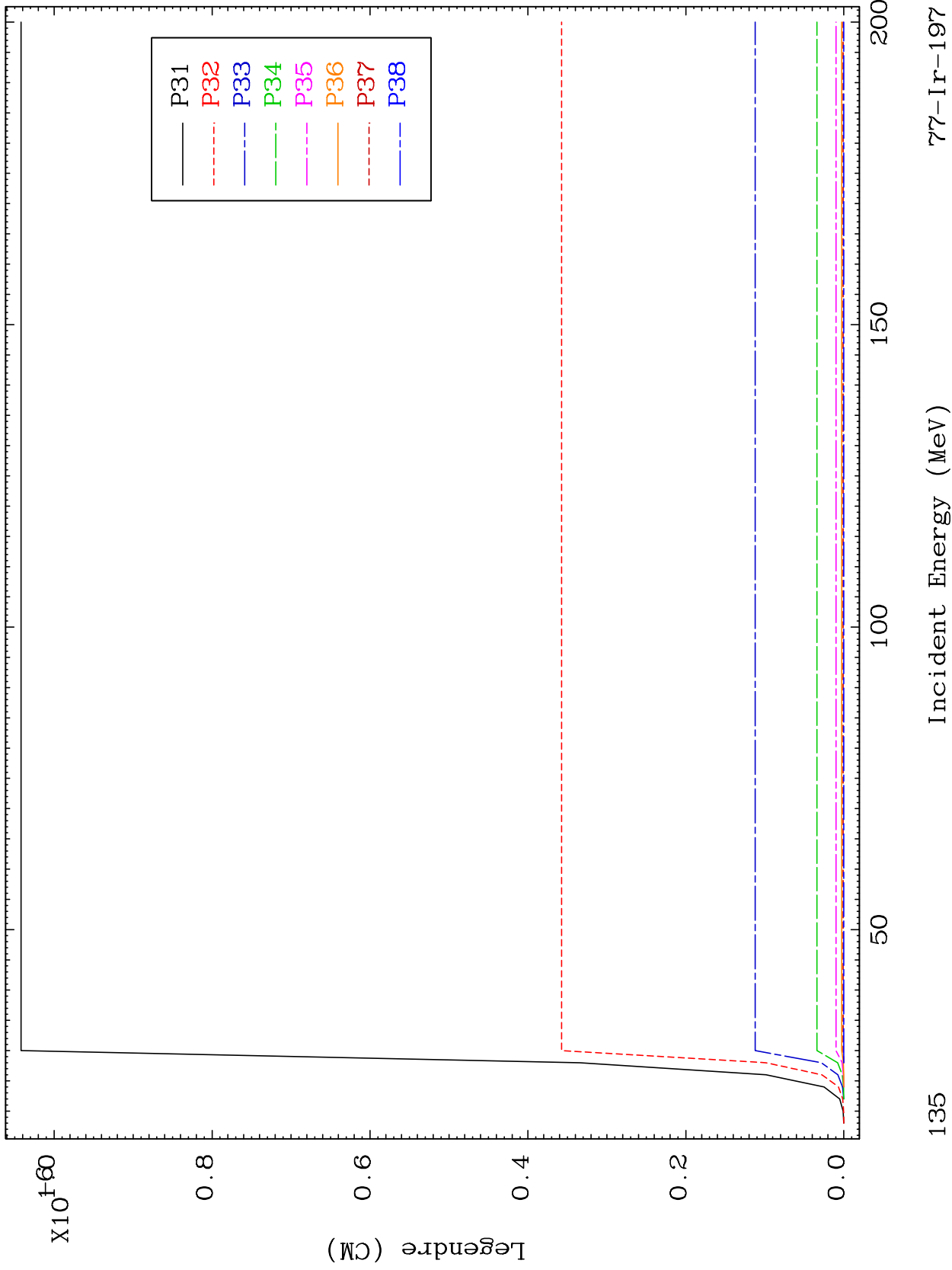


134

MAT 7743

1.537 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197

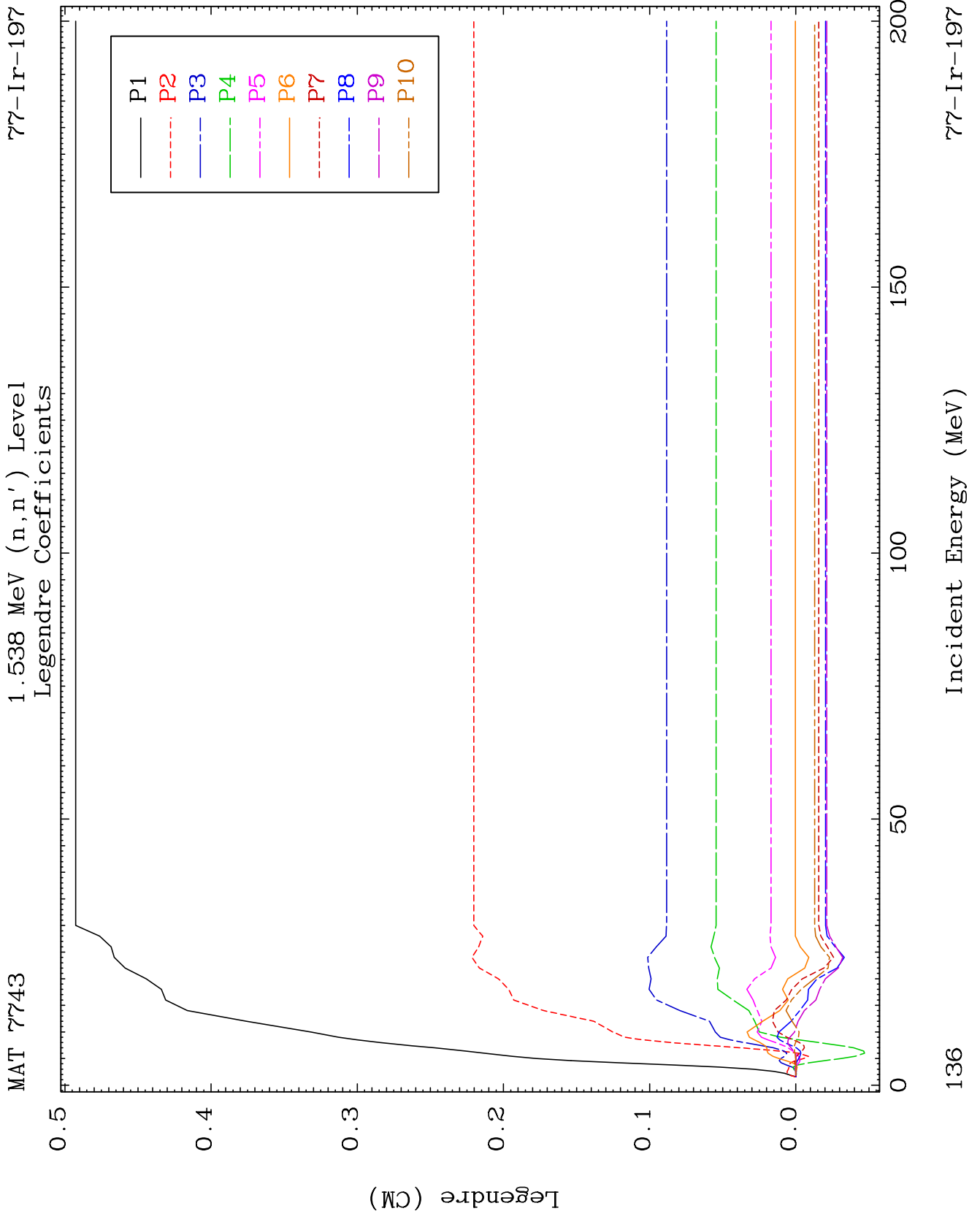


135

Incident Energy (MeV)

77-Ir-197

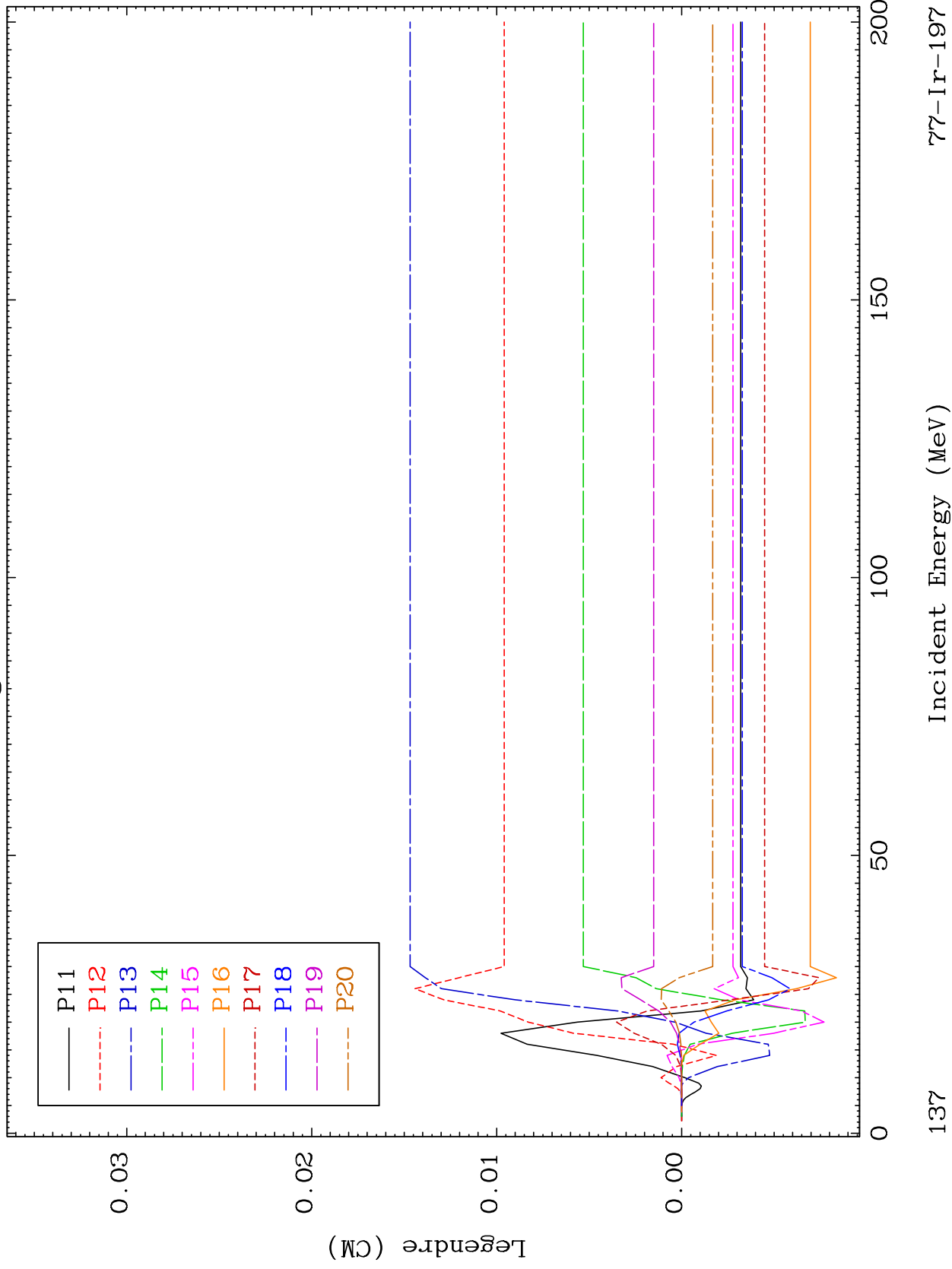




MAT 7743

1.538 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



137

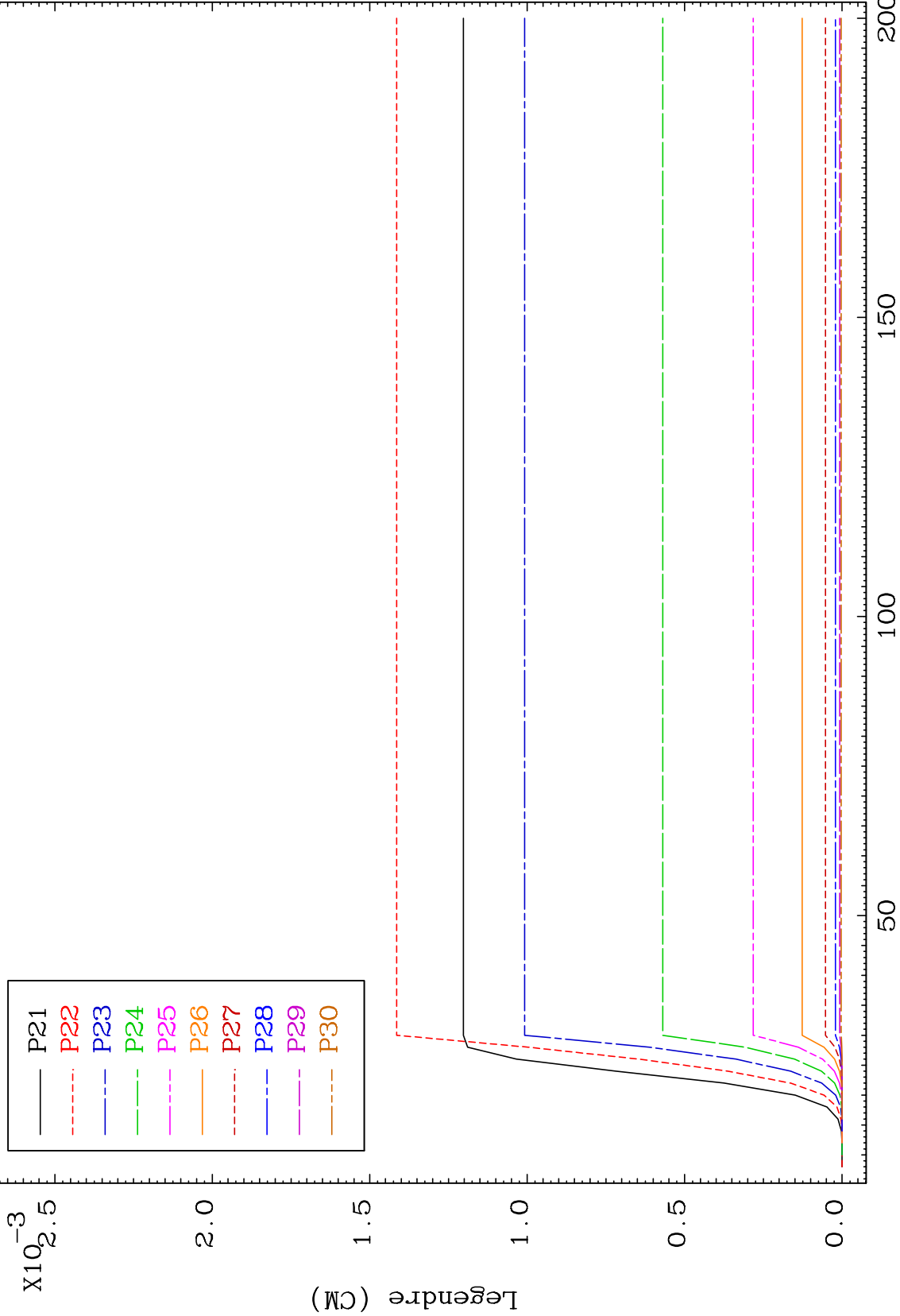
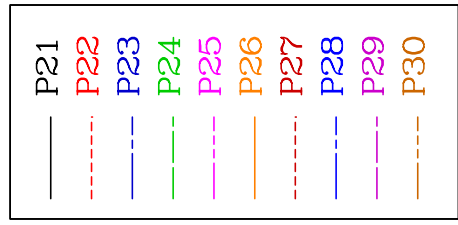
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.538 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197



138

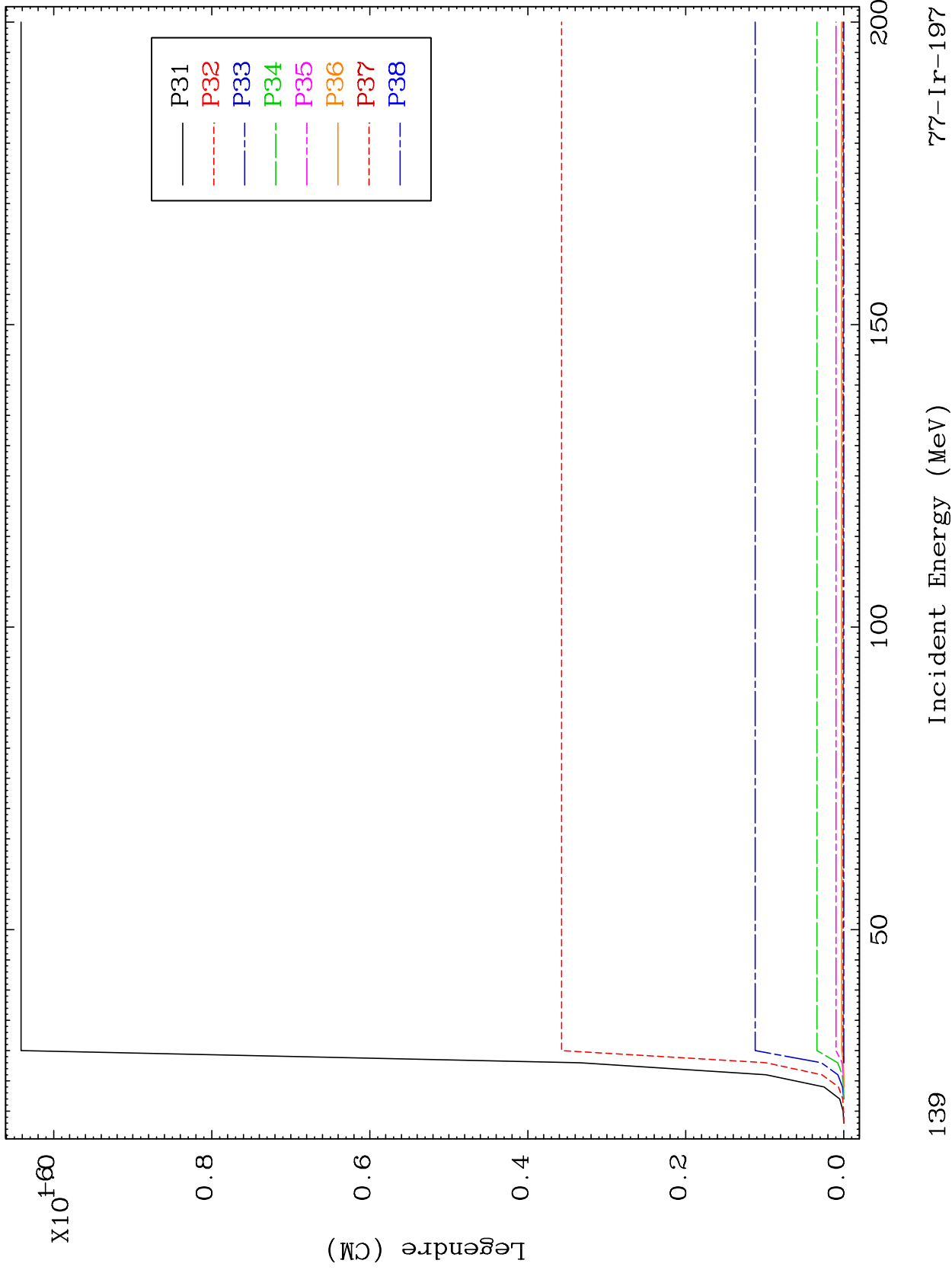
Incident Energy (MeV)

77-Ir-197

MAT 7743

1.538 MeV (n,n') Level  
Legendre Coefficients

77-Ir-197

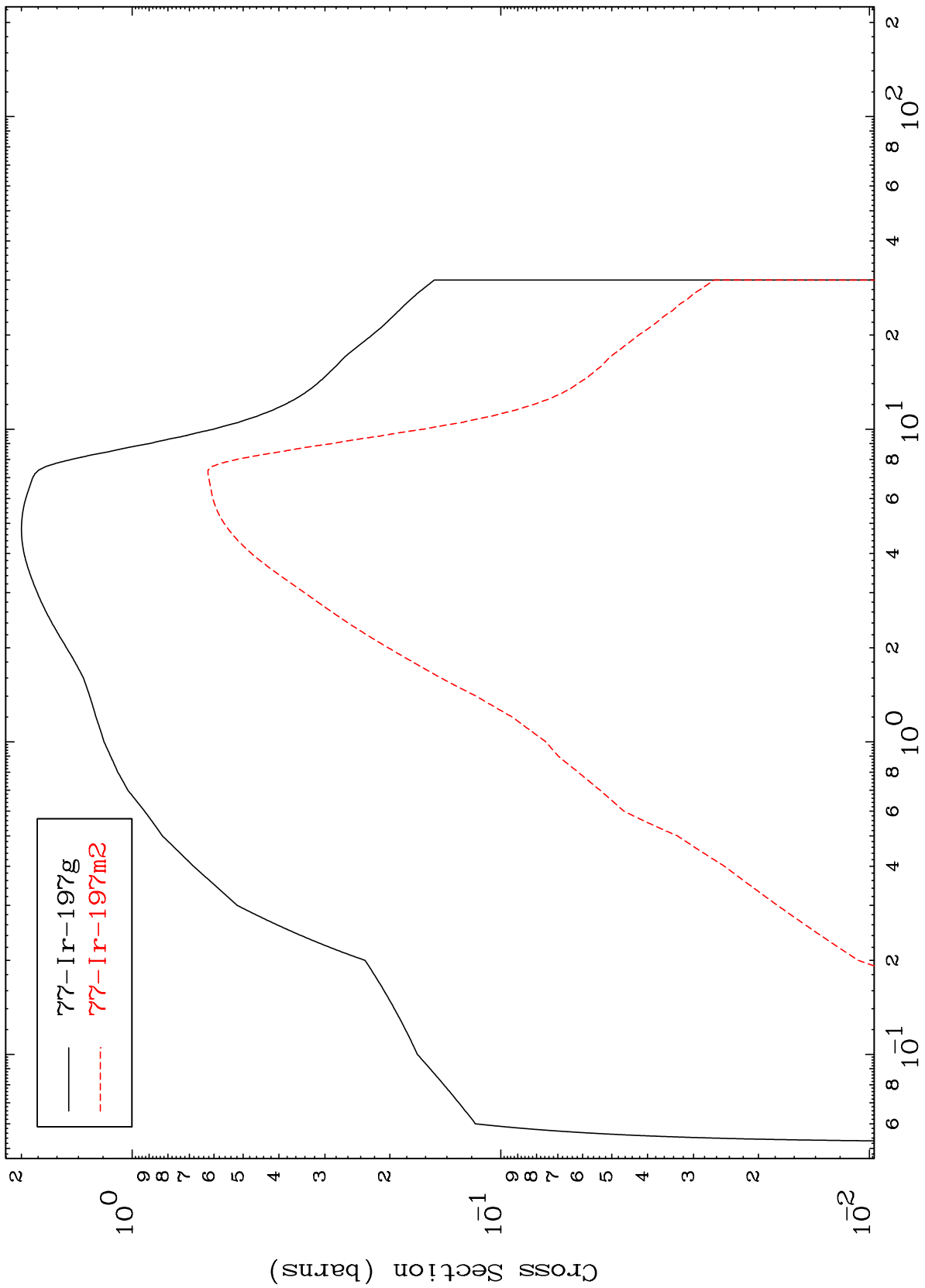


139

MAT 7743

77-Ir-197

Inelastic  
Radionuclide Production Cross Section



— 77-Ir-197g  
- - - 77-Ir-197m2

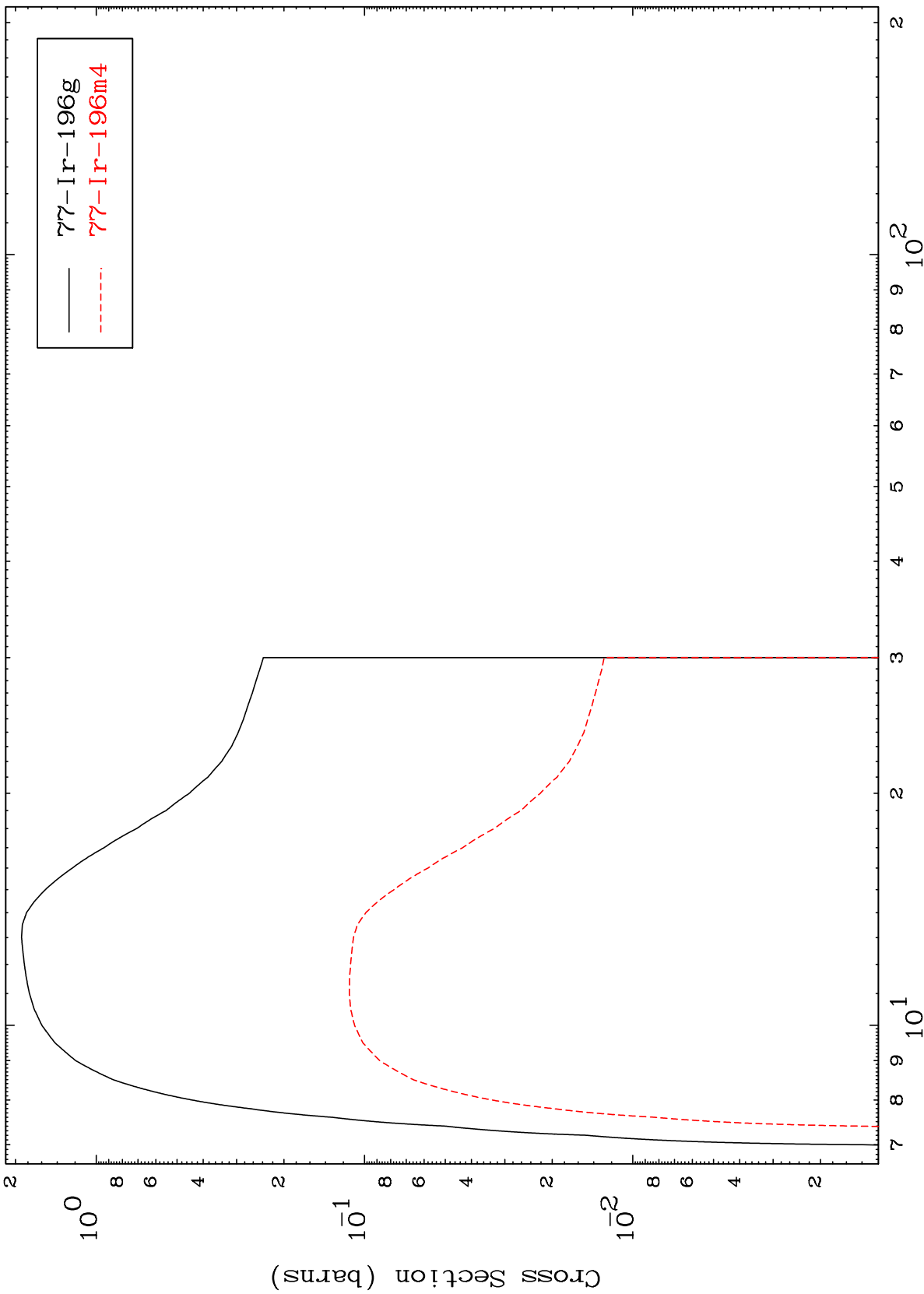
140

77-Ir-197

MAT 7743

77-Ir-197

(n,2n)  
Radionuclide Production Cross Section



77-Ir-196g  
77-Ir-196m4

141

Incident Energy (MeV)

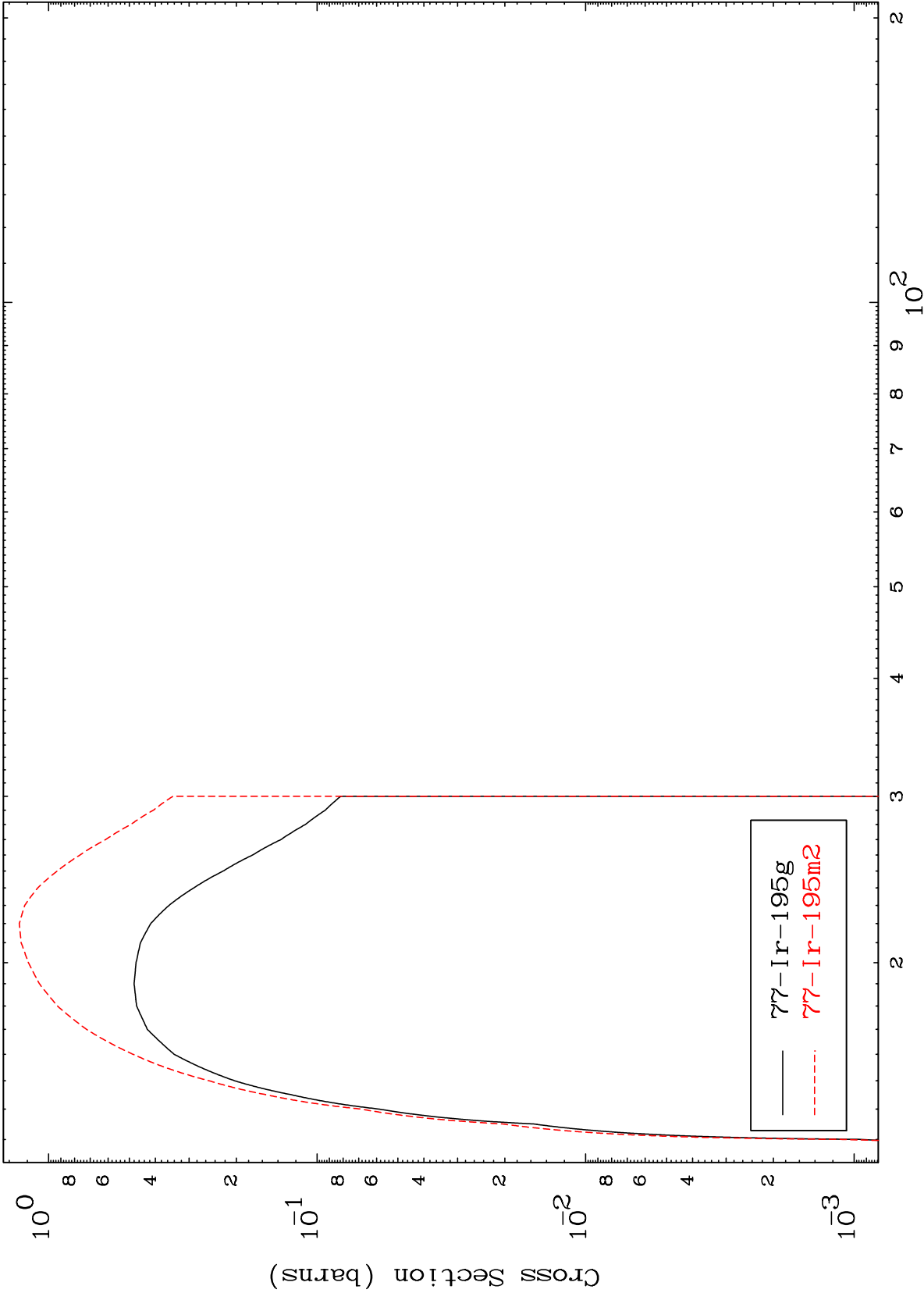
77-Ir-197

MAT 7743

(n,3n)

<sup>77</sup>Ir-197

Radionuclide Production Cross Section



142

Incident Energy (MeV)

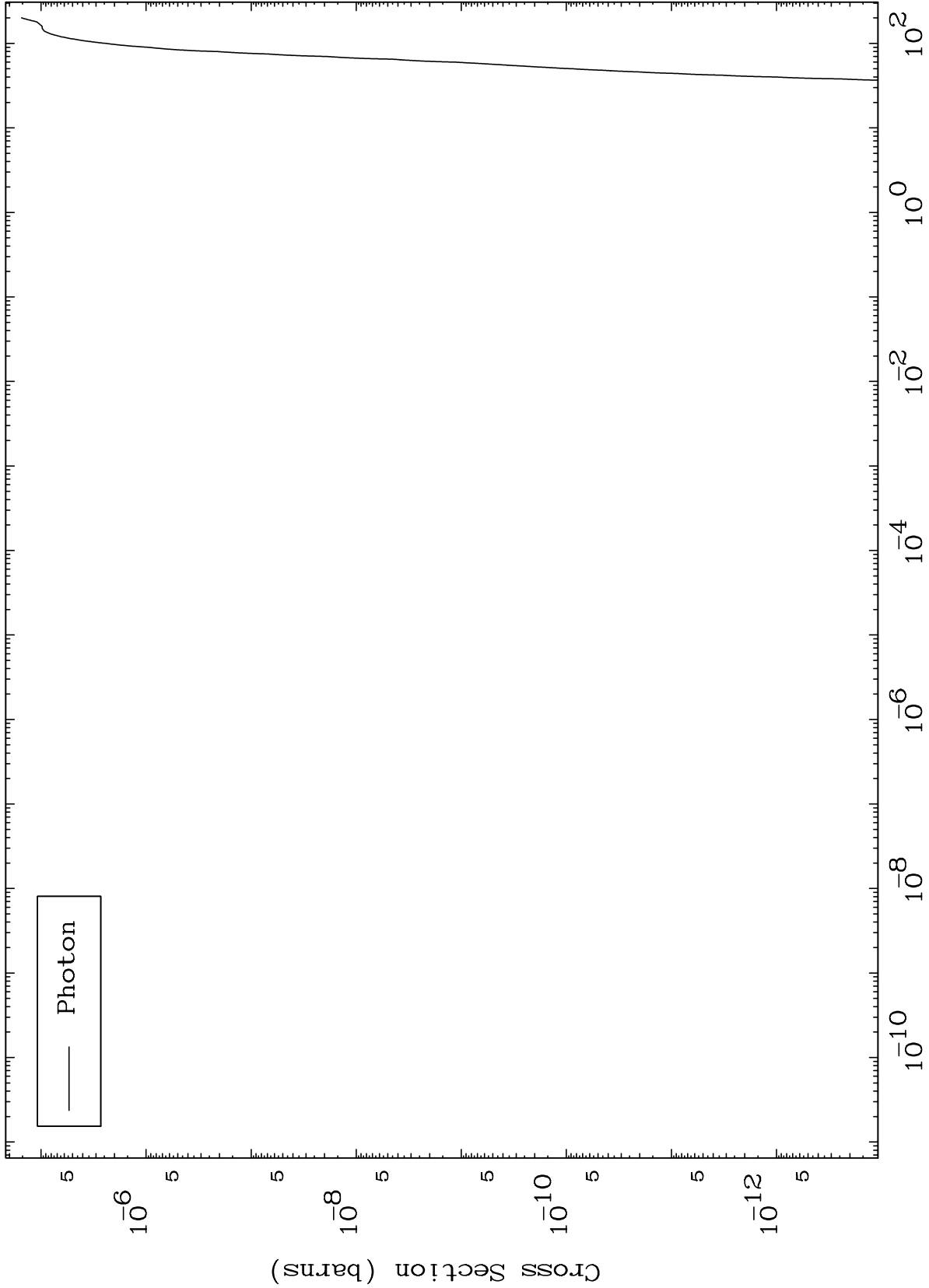
<sup>77</sup>Ir-197

MAT 7743

Fission

77-Ir-197

Radionuclide Production Cross Section



143

Incident Energy (MeV)

77-Ir-197

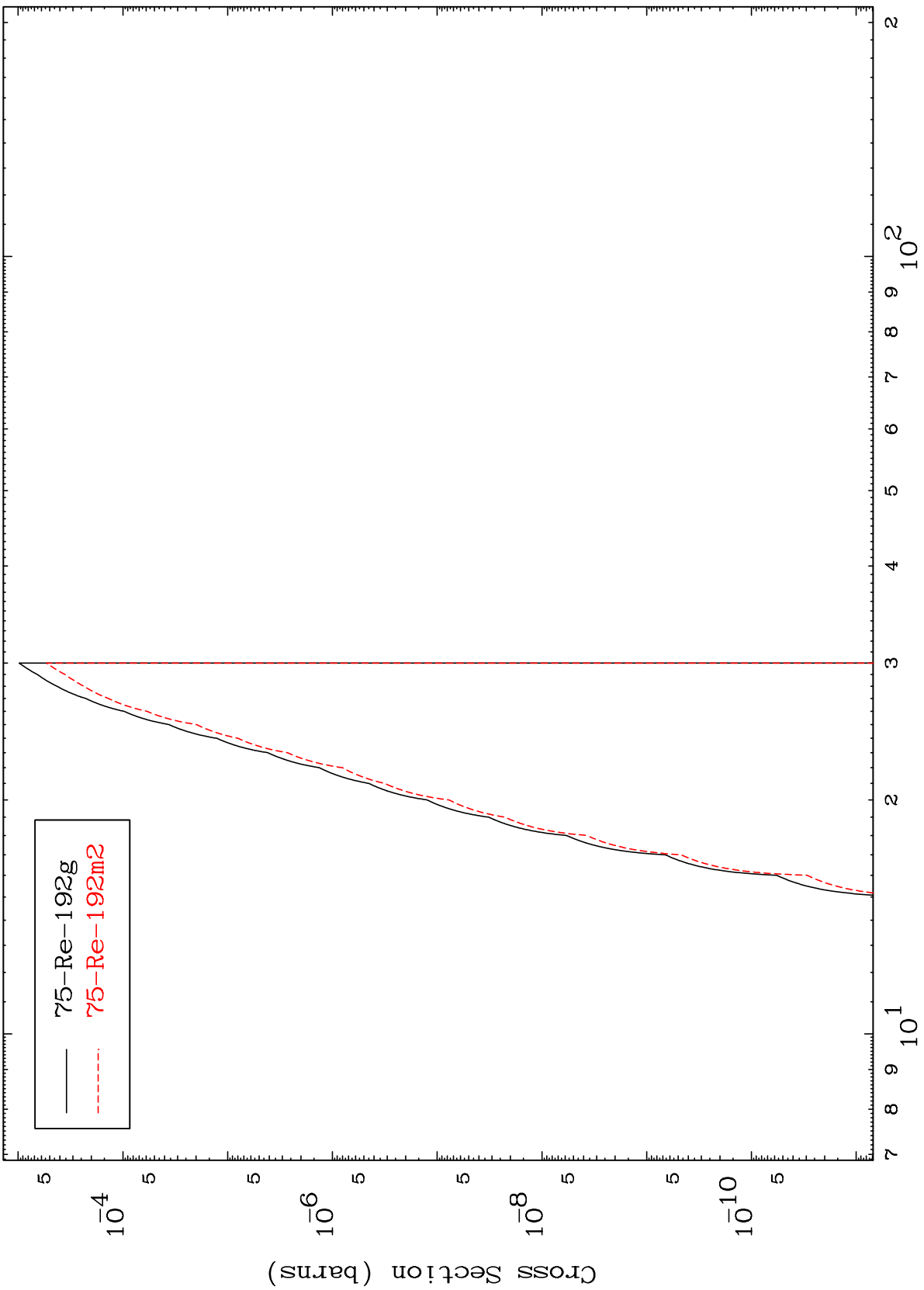


MAT 7743

(n,2n)  $\alpha$

77-Ir-197

Radionuclide Production Cross Section



144

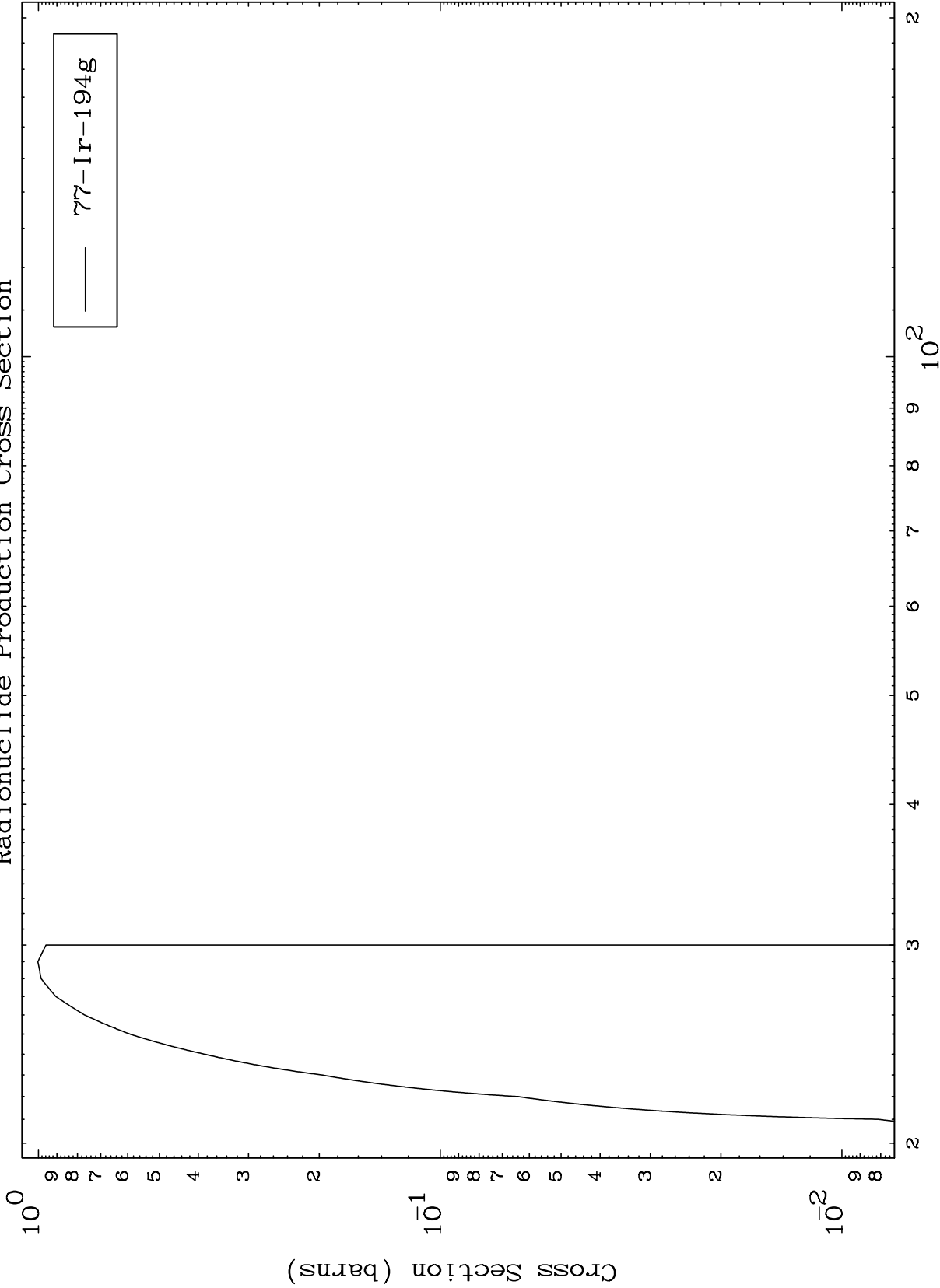
Incident Energy (MeV)

77-Ir-197

MAT 7743

77-Ir-197

(n,4n)  
Radionuclide Production Cross Section



77-Ir-197

Incident Energy (MeV)

145