

Program EVALPLOT
(Version 2017-1)

by

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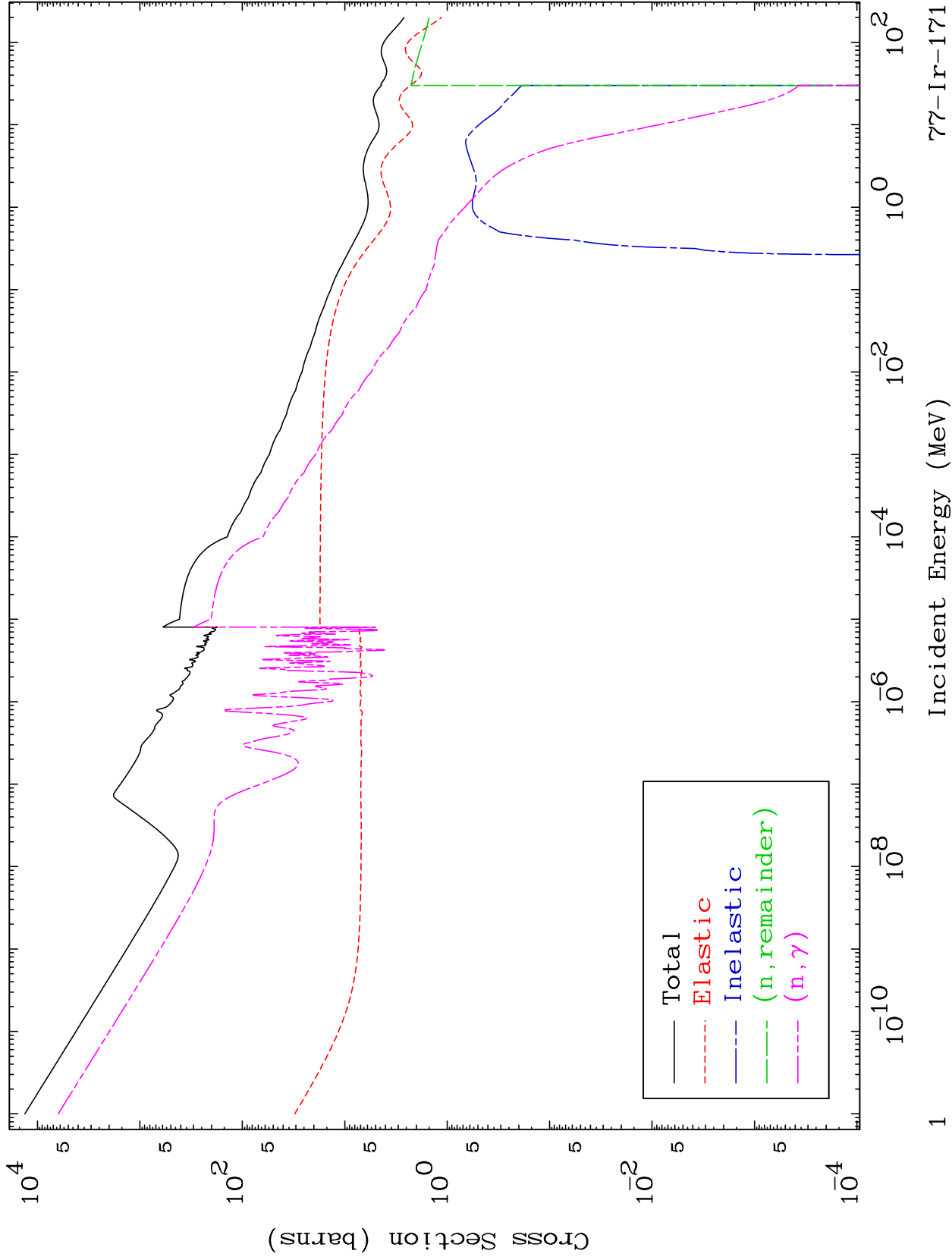
Press Mouse Button to Start

MAT 7665

Major

293 Kelvin Cross Sections

⁷⁷Ir-171



1

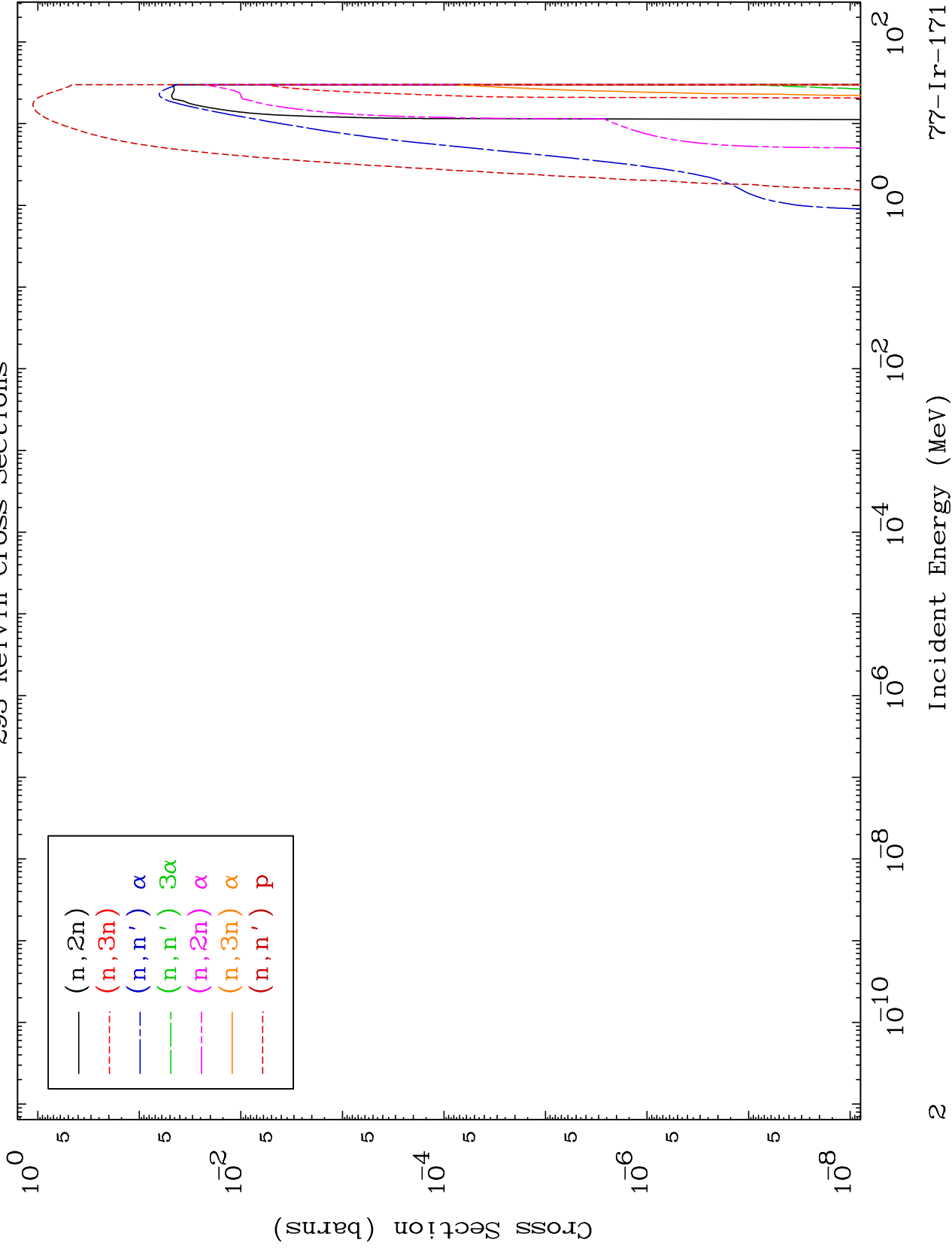
Incident Energy (MeV)

⁷⁷Ir-171

MAT 7665

Neutron Production
293 Kelvin Cross Sections

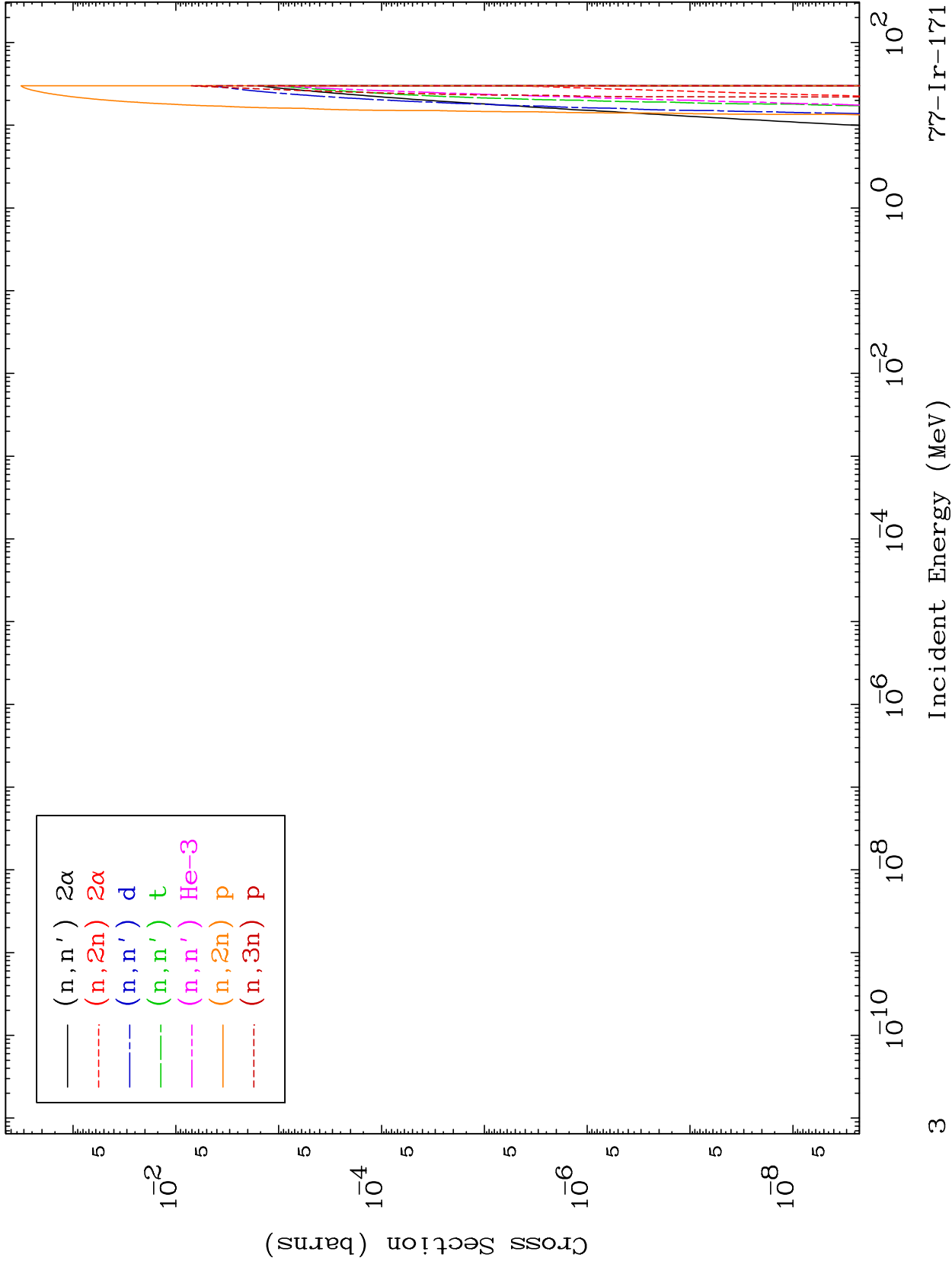
77-Ir-171



MAT 7665

Neutron Production
293 Kelvin Cross Sections

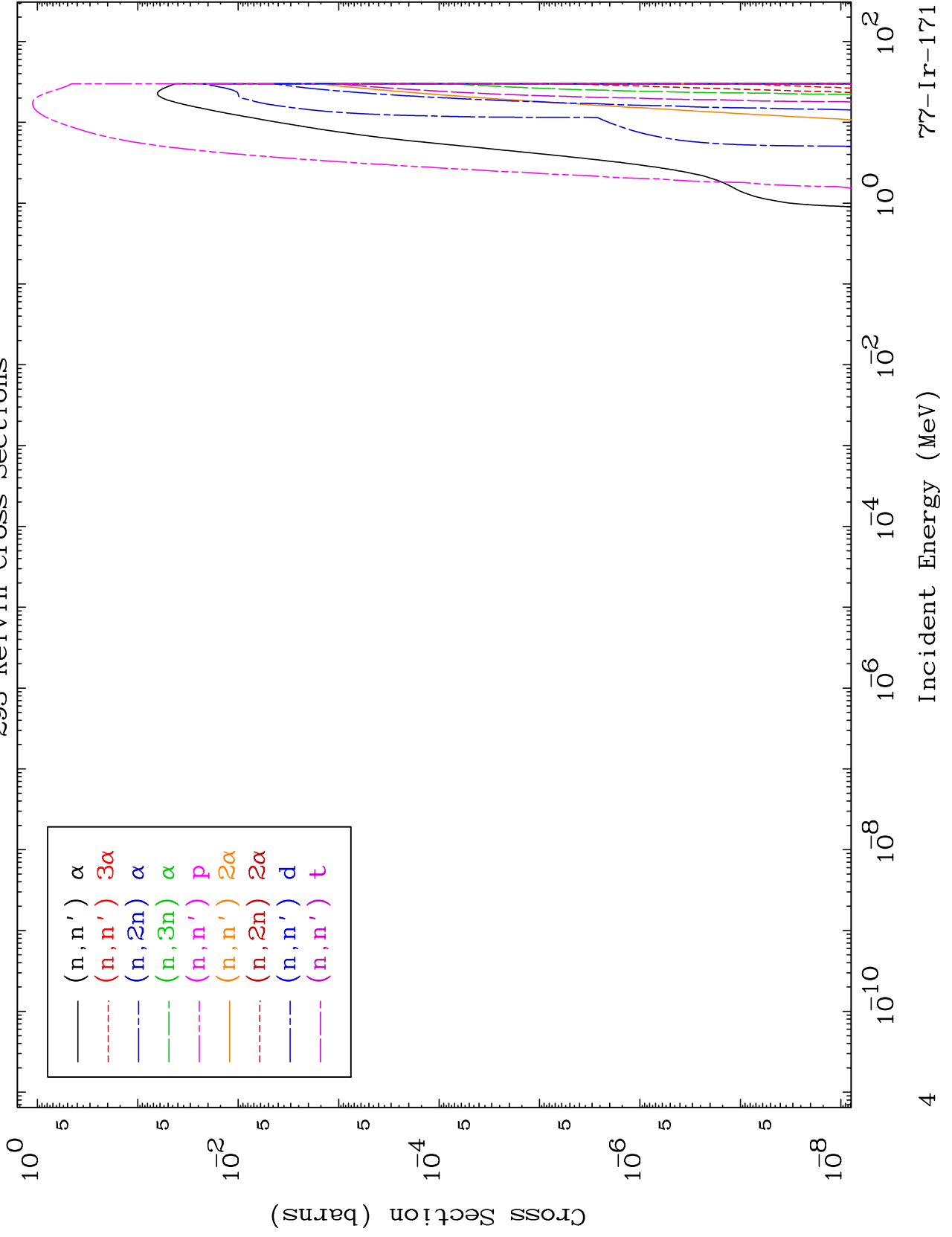
⁷⁷Ir-171

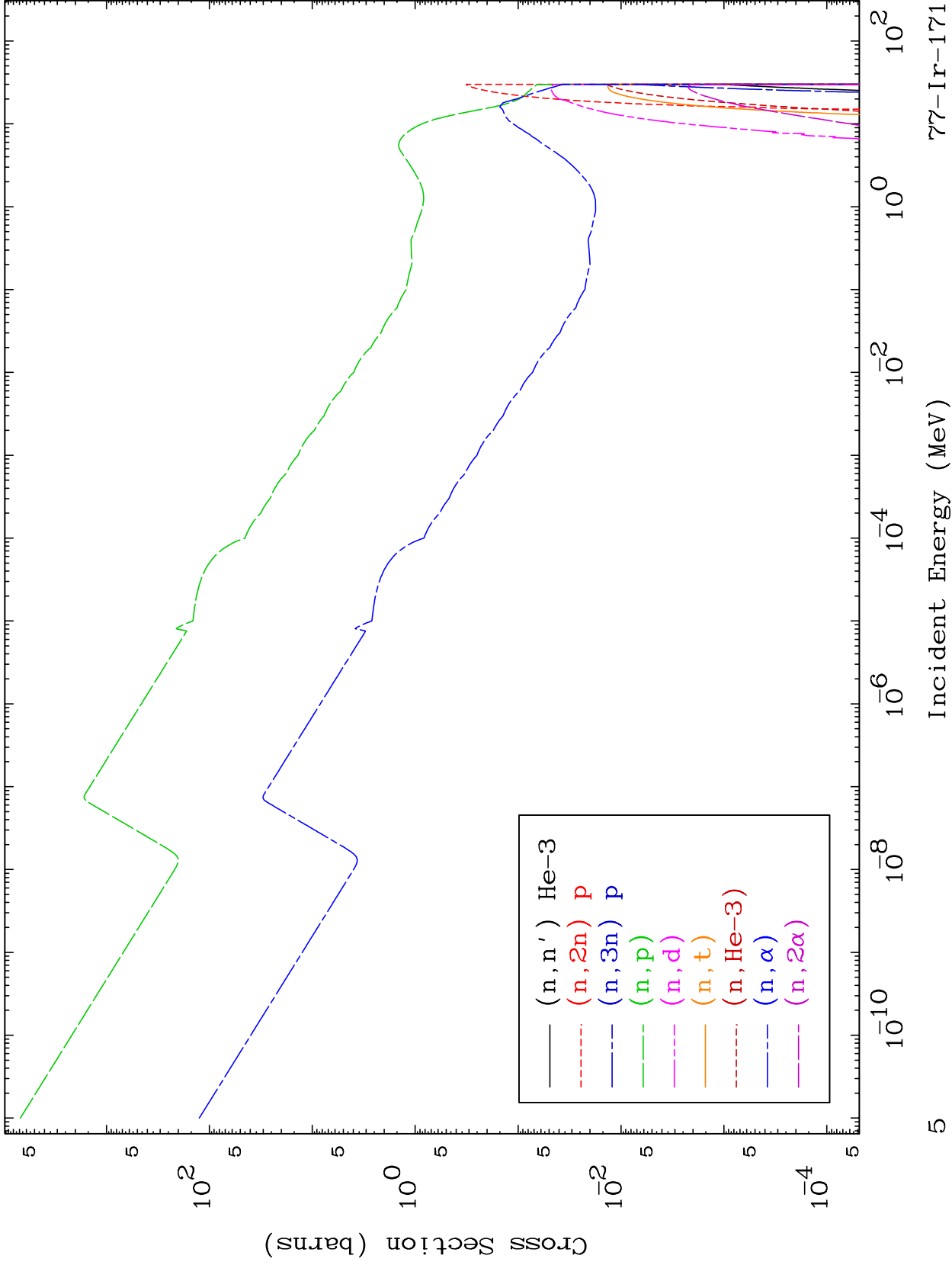


MAT 7665

Charged Particle
293 Kelvin Cross Sections

77-Ir-171

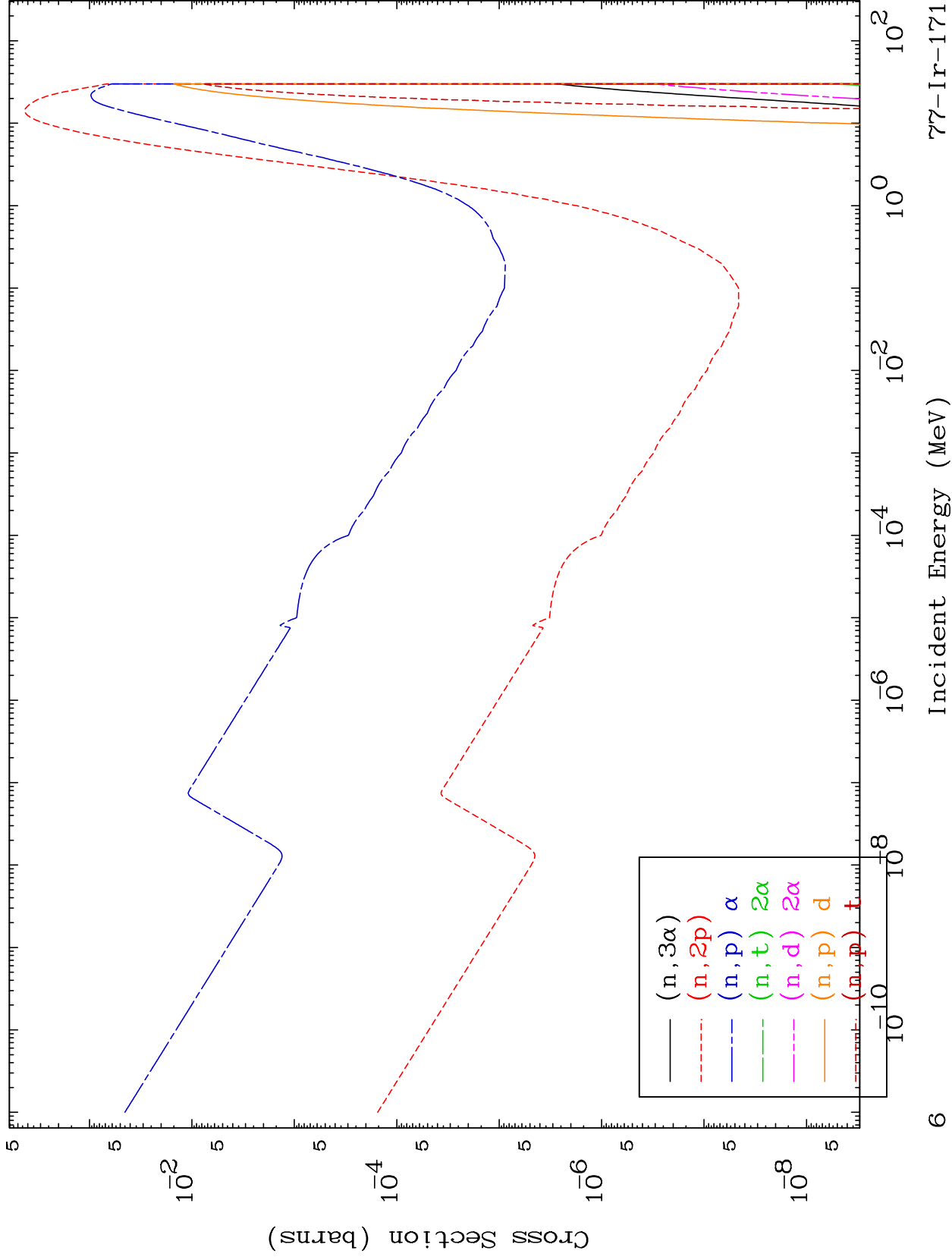


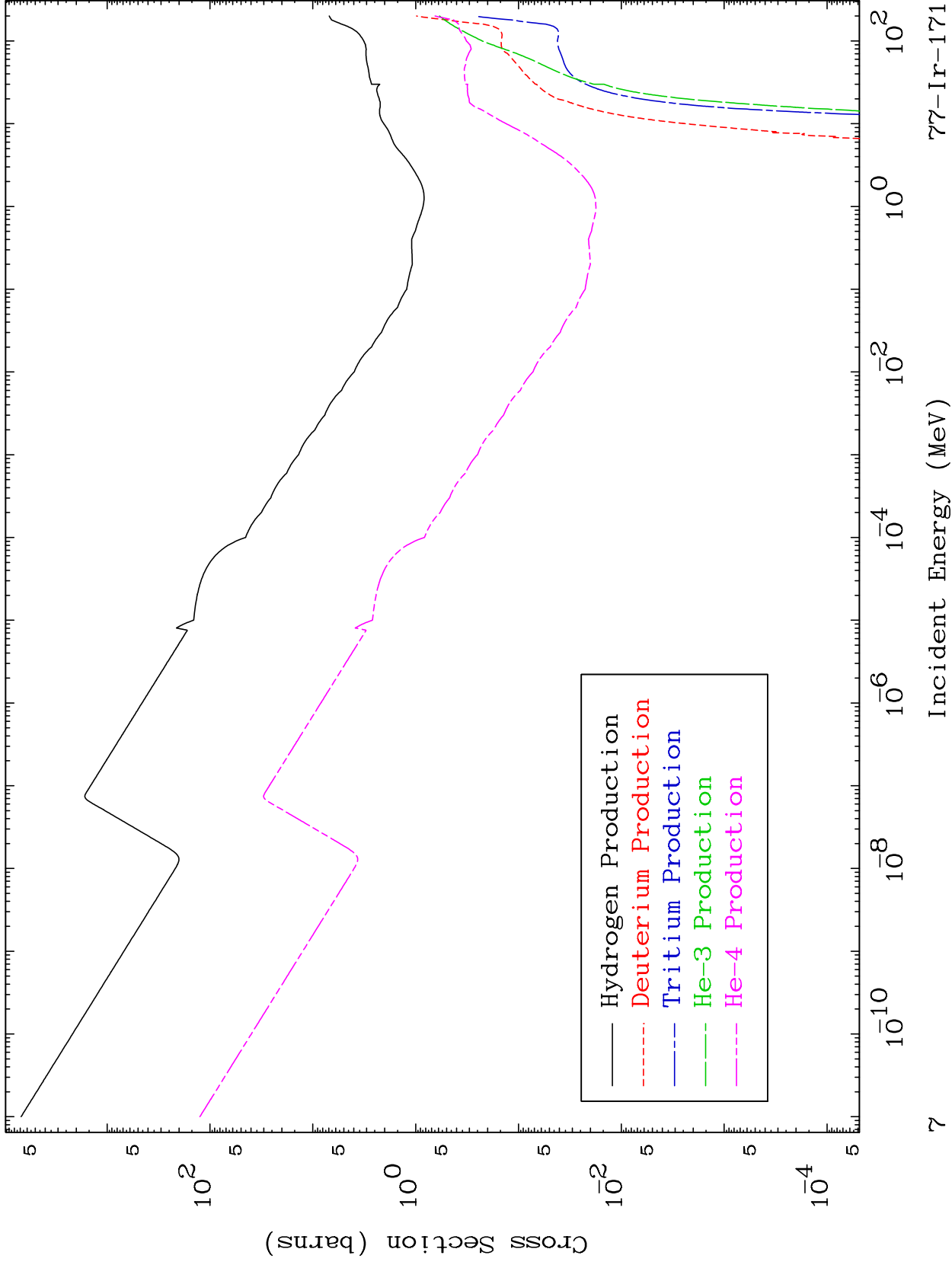


MAT 7665

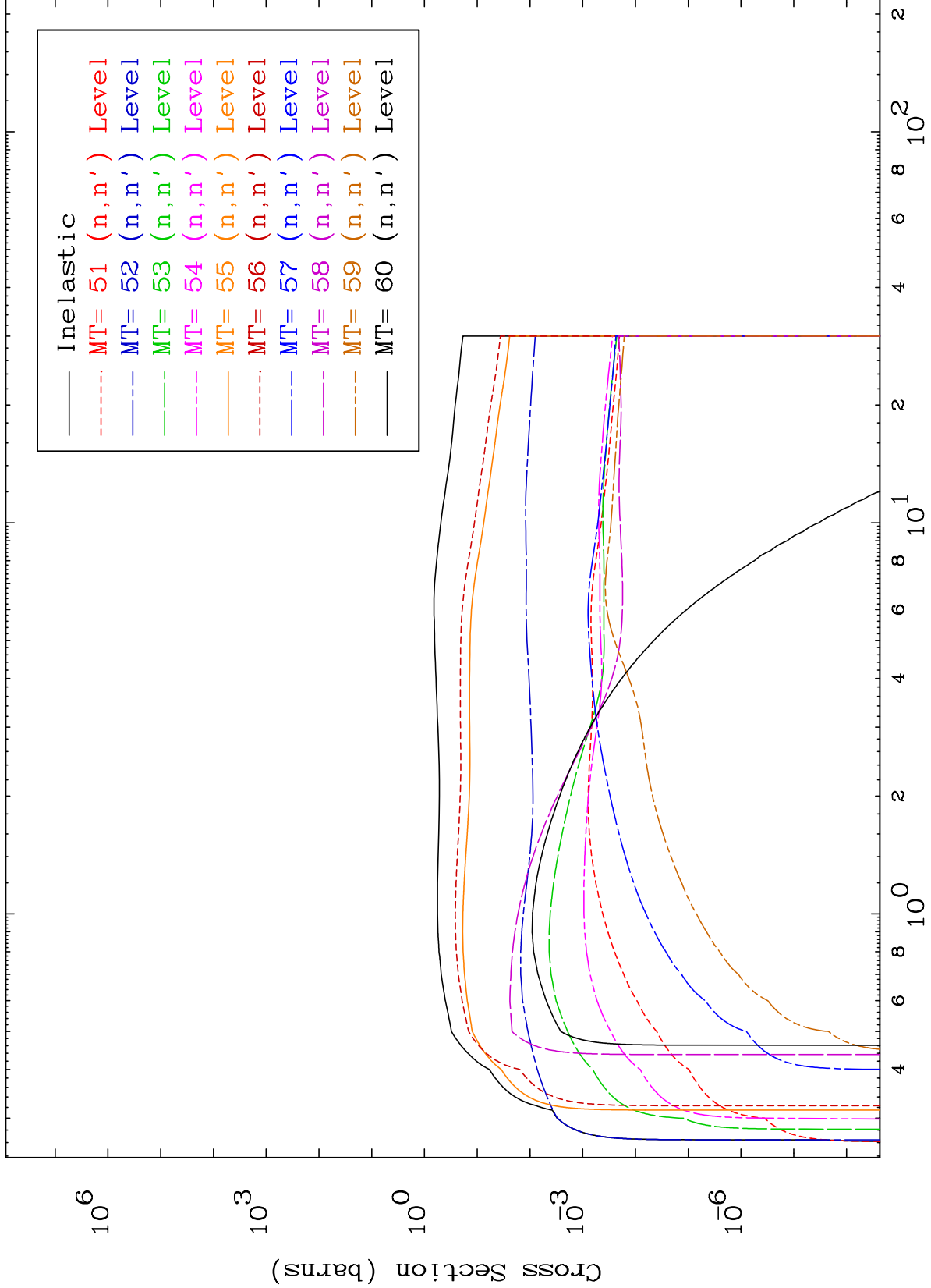
Charged Particle
293 Kelvin Cross Sections

⁷⁷Ir-171





293 Kelvin Cross Sections

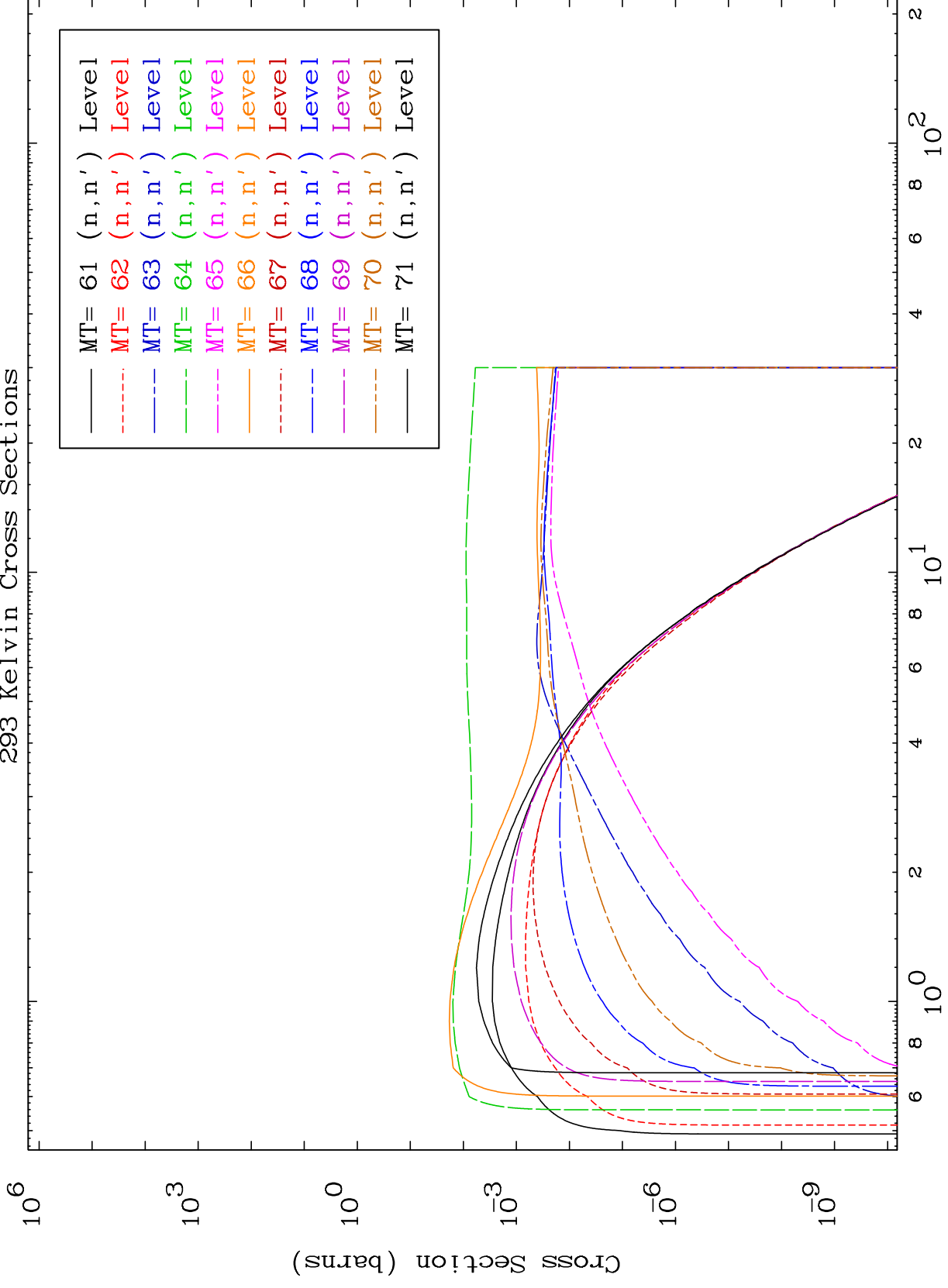


MAT 7665

(n,n') Level

77-Ir-171

293 Kelvin Cross Sections



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Incident Energy (MeV)

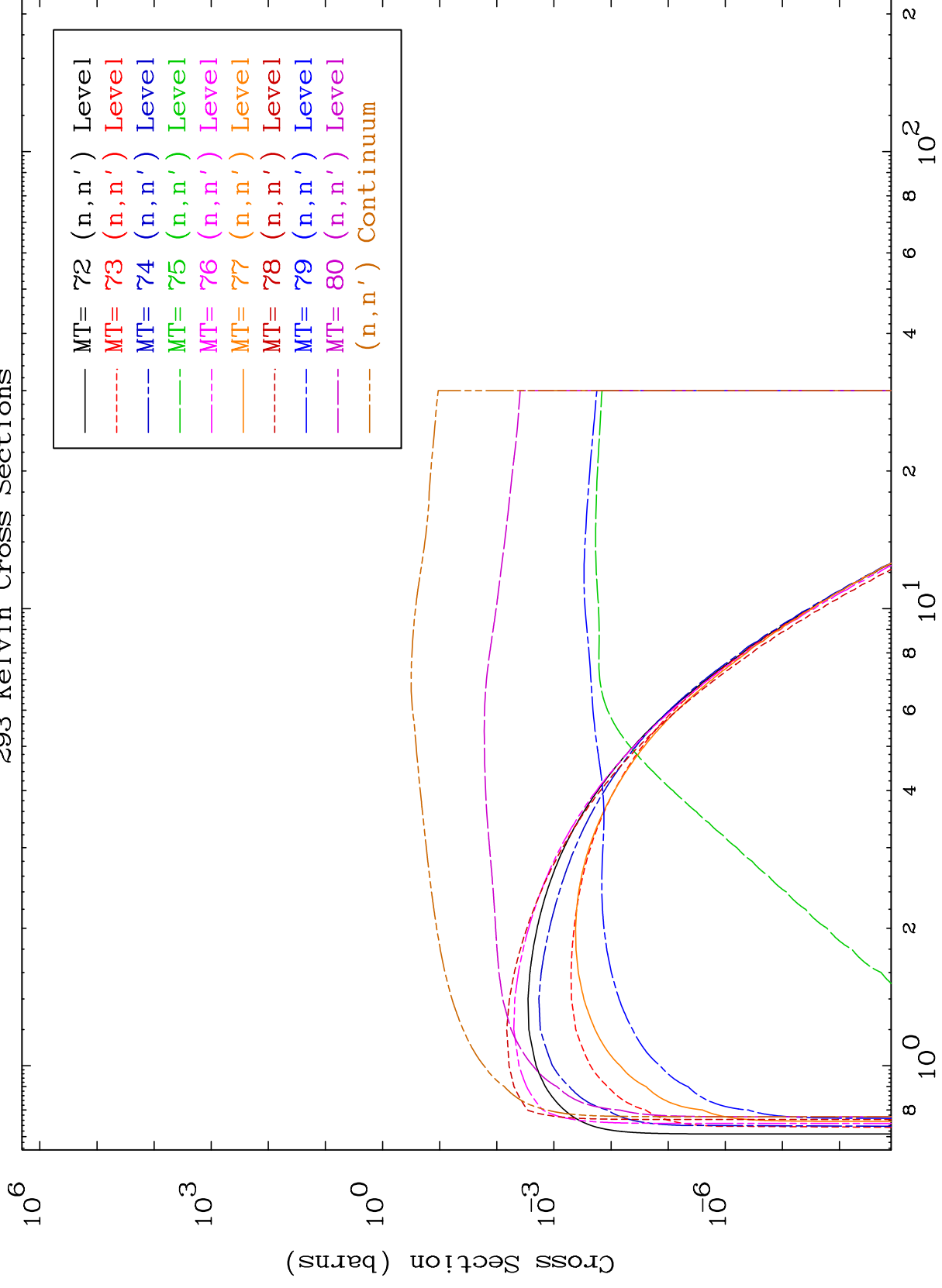
77-Ir-171

MAT 7665

(n,n') Level

77-Ir-171

293 Kelvin Cross Sections



10

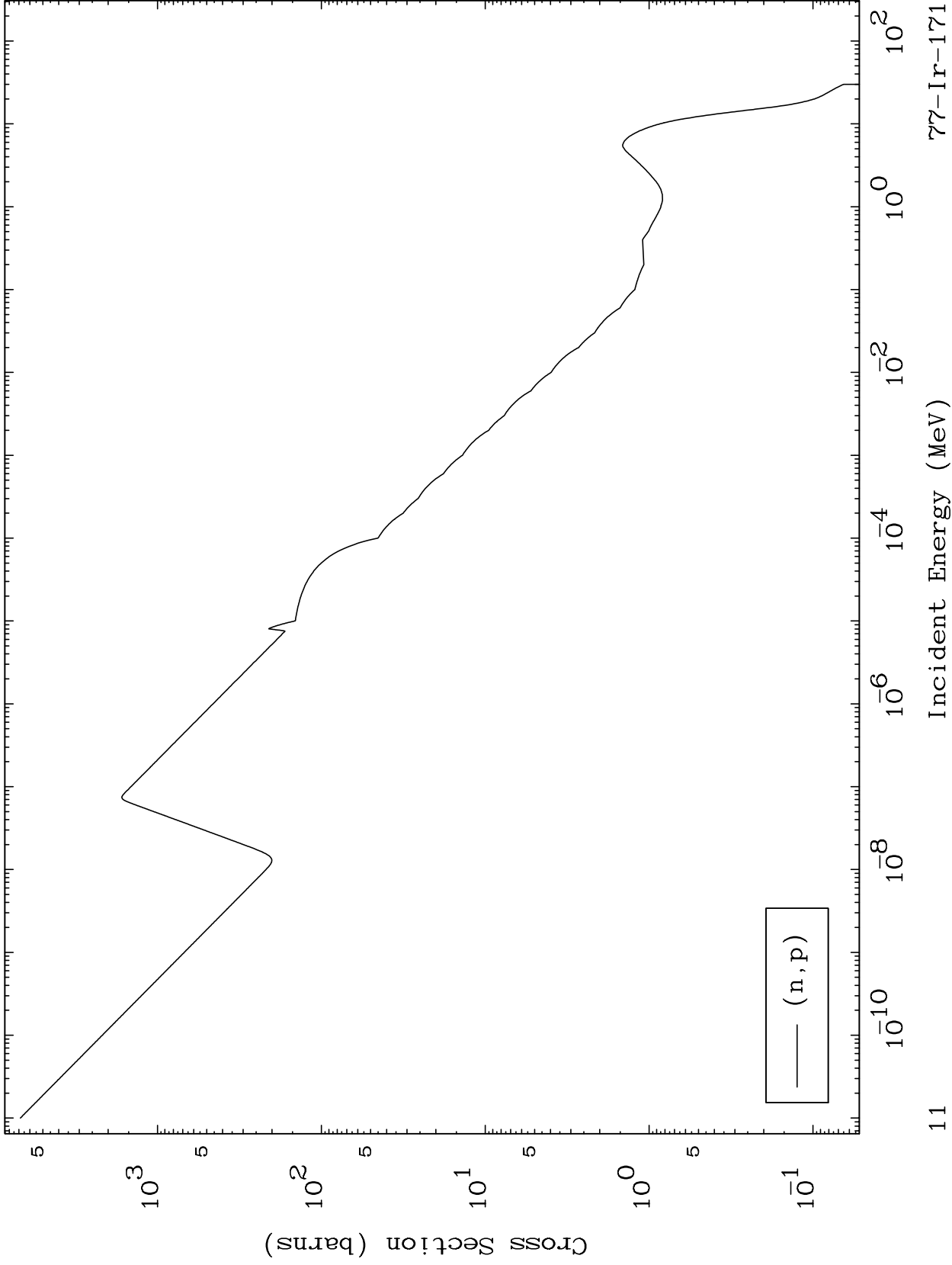
Incident Energy (MeV)

77-Ir-171

MAT 7665

(n,p) Levels
293 Kelvin Cross Sections

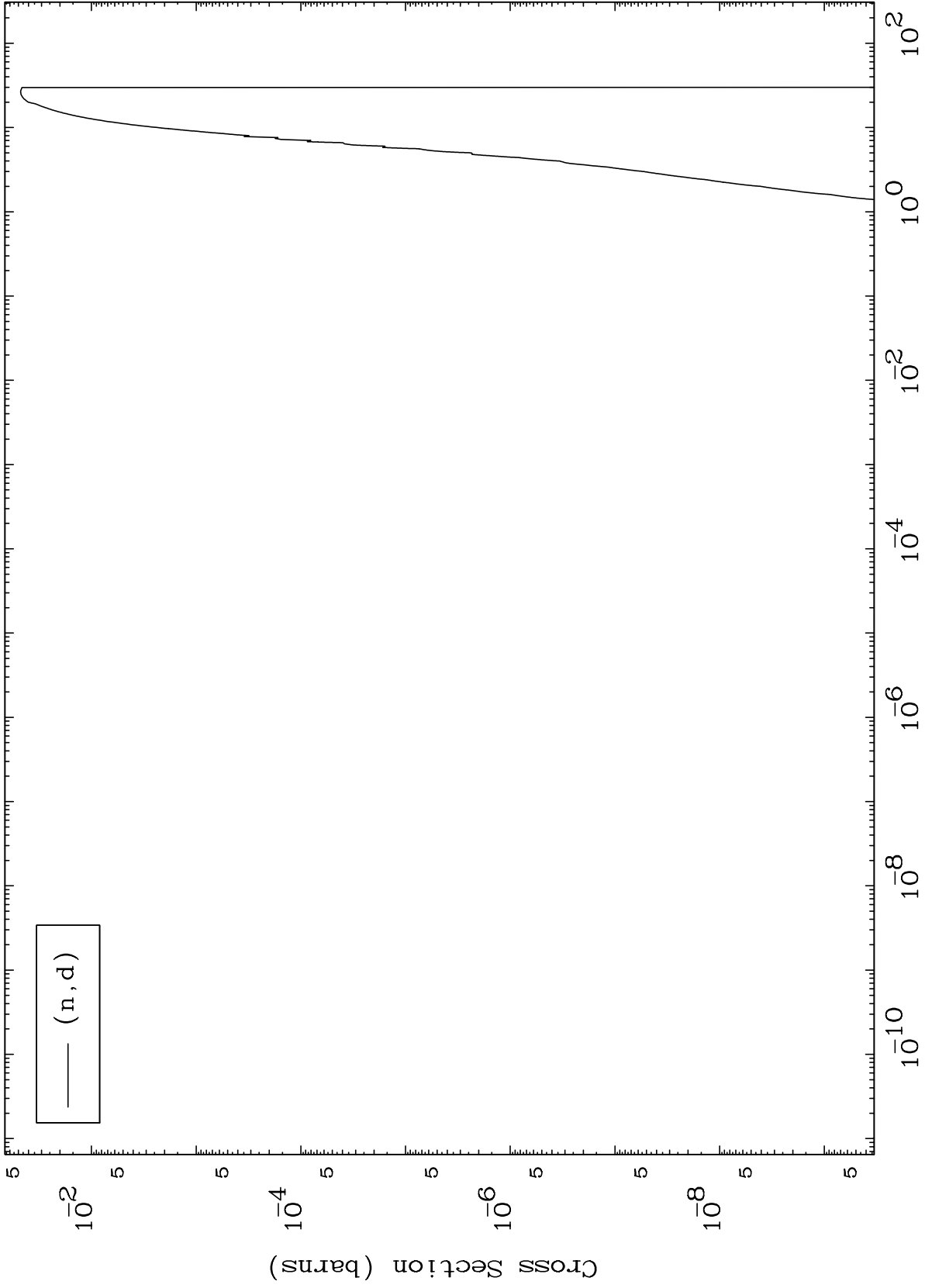
77-Ir-171



MAT 7665

(n,d) Levels
293 Kelvin Cross Sections

⁷⁷Ir-171



12

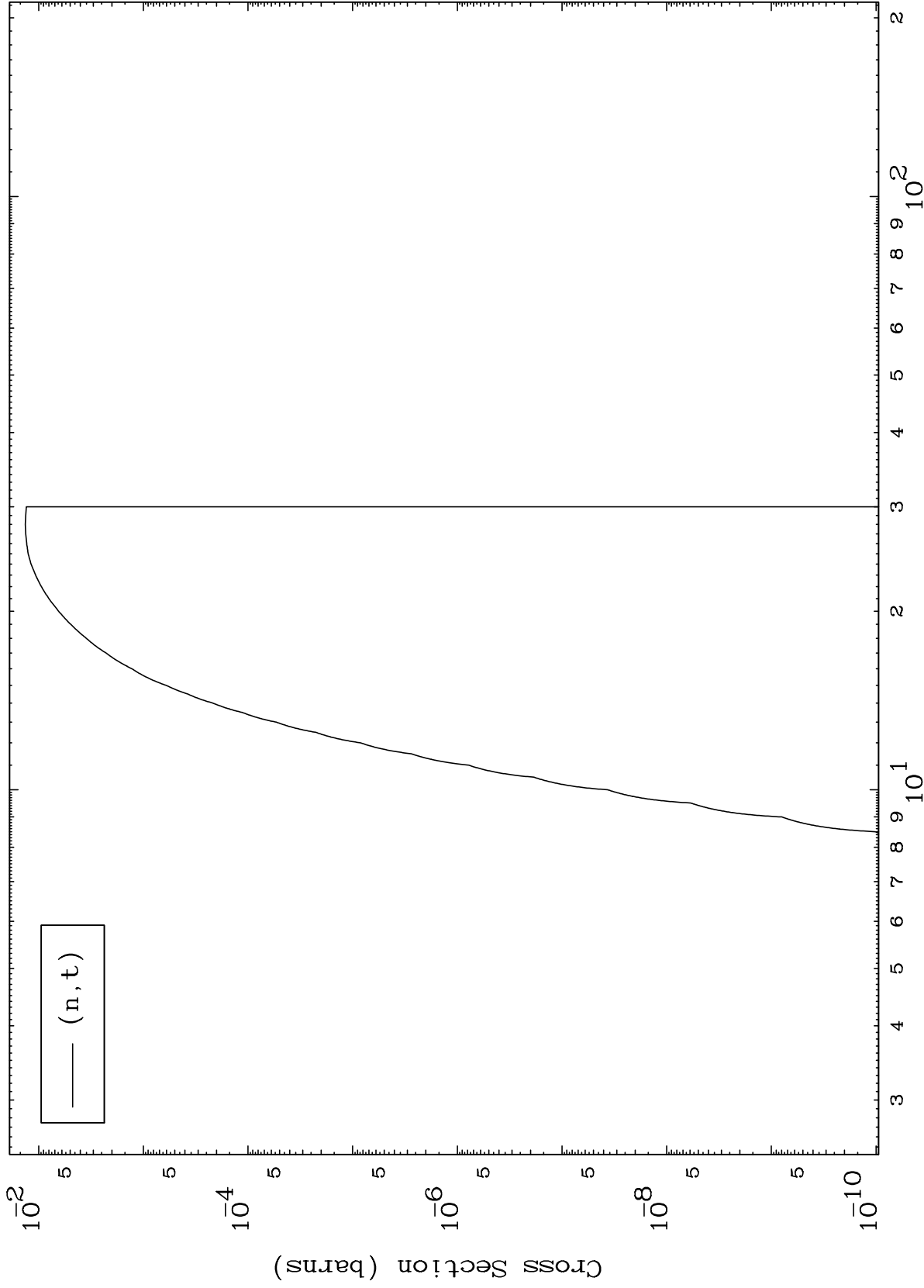
Incident Energy (MeV)

⁷⁷Ir-171

MAT 7665

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-171



(n,t)

13

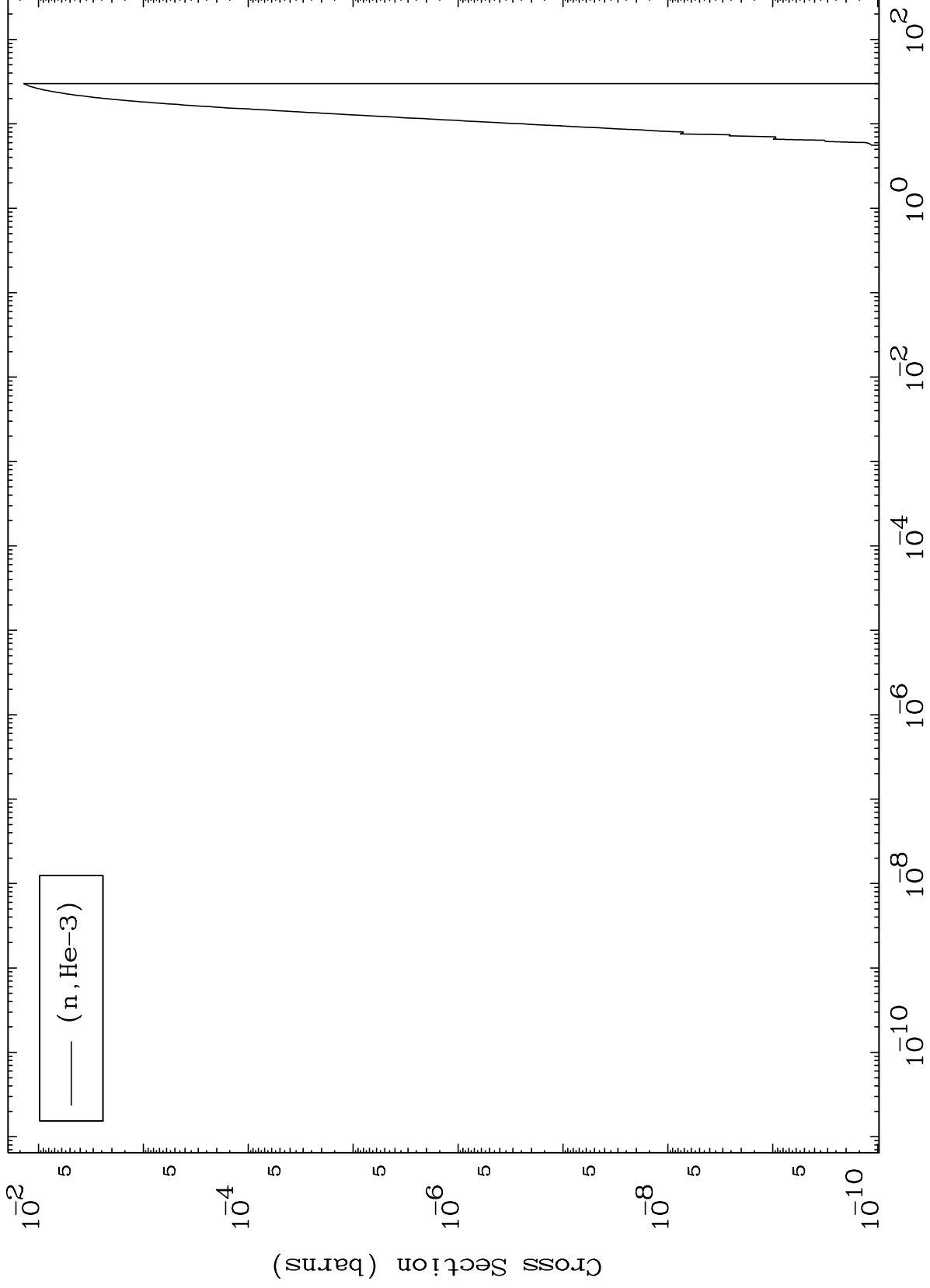
Incident Energy (MeV)

77-Ir-171

MAT 7665

(n,He3) Levels
293 Kelvin Cross Sections

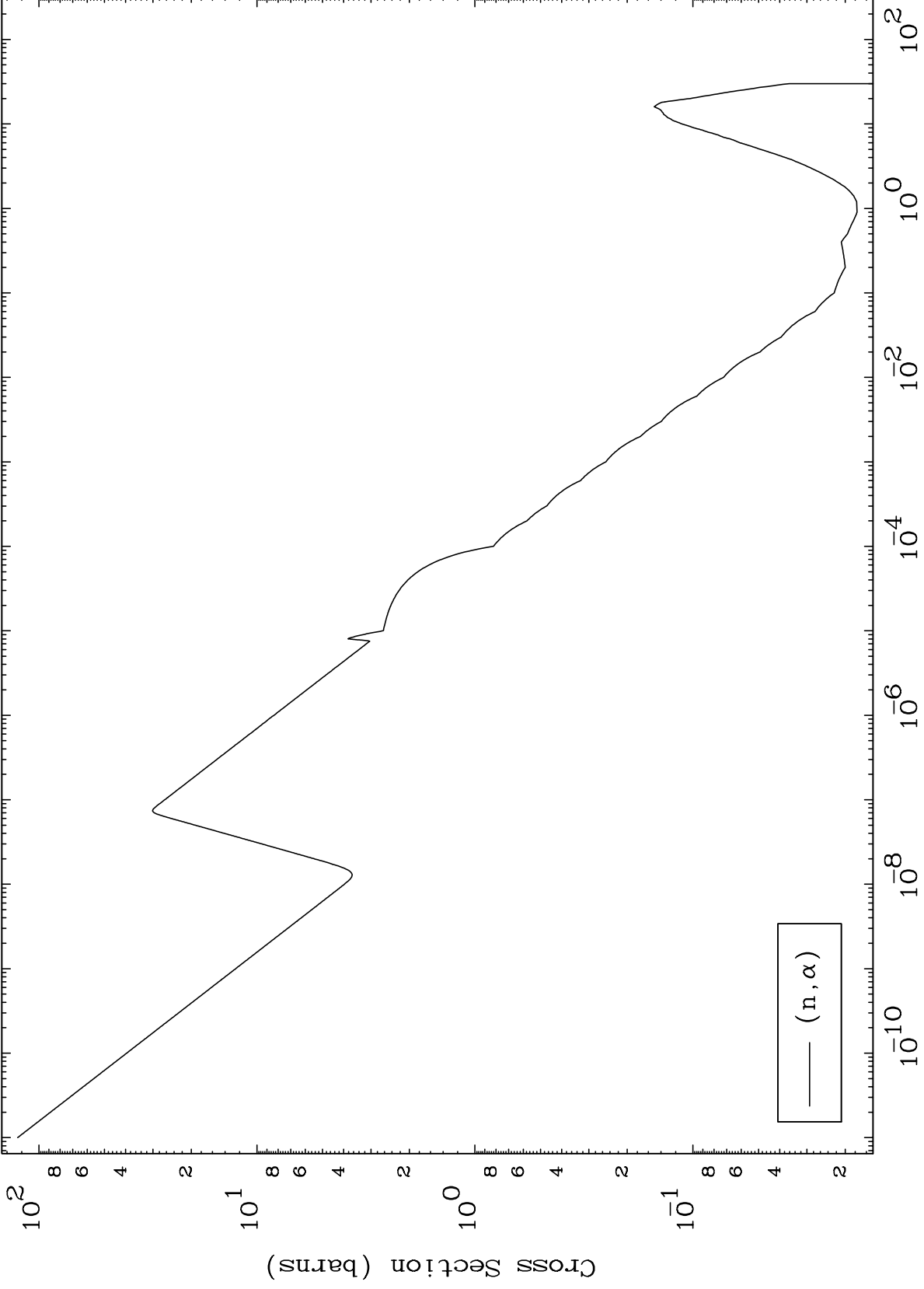
77-Ir-171



MAT 7665

(n,α) Levels
293 Kelvin Cross Sections

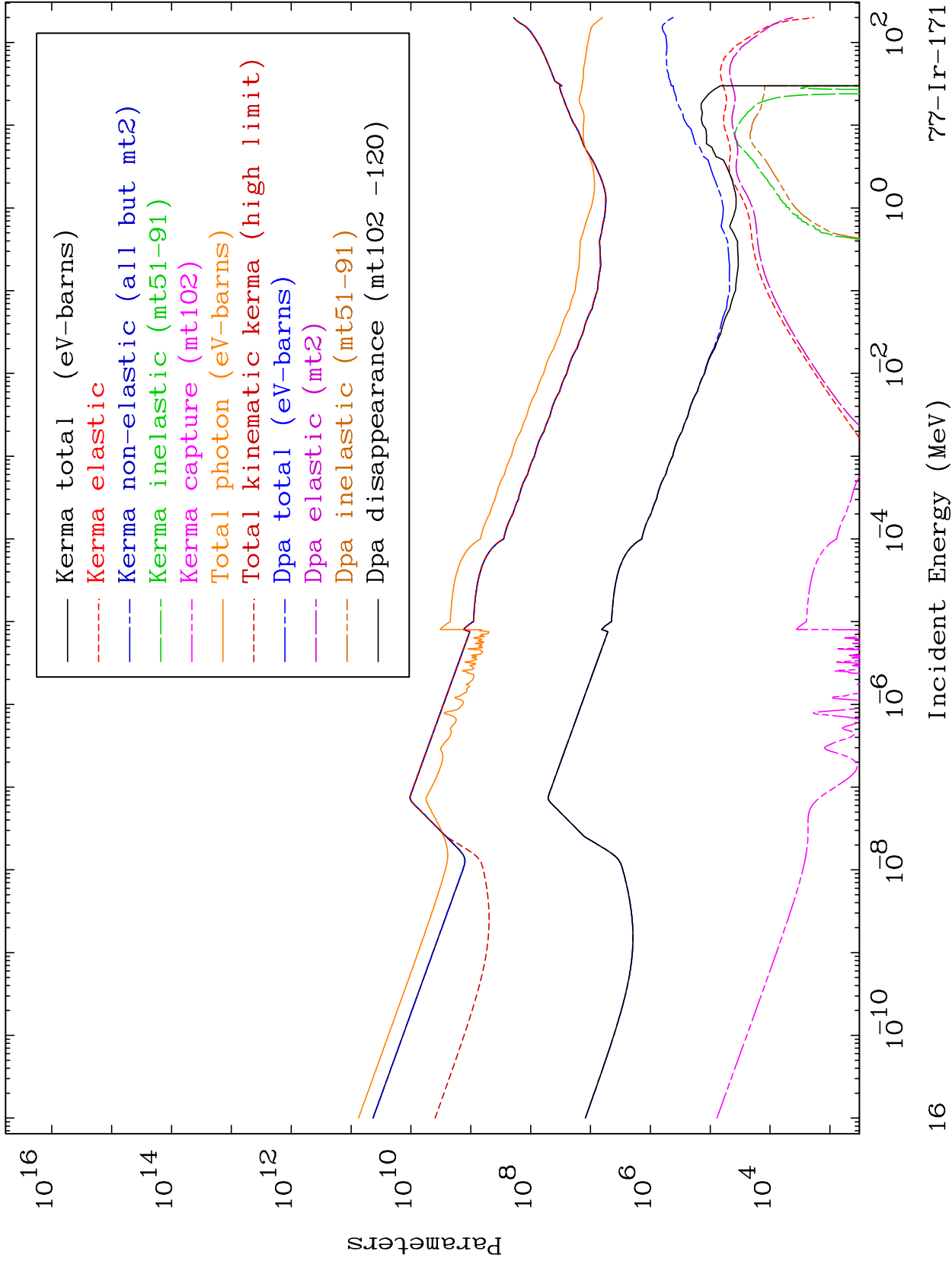
77-Ir-171



15

Incident Energy (MeV)

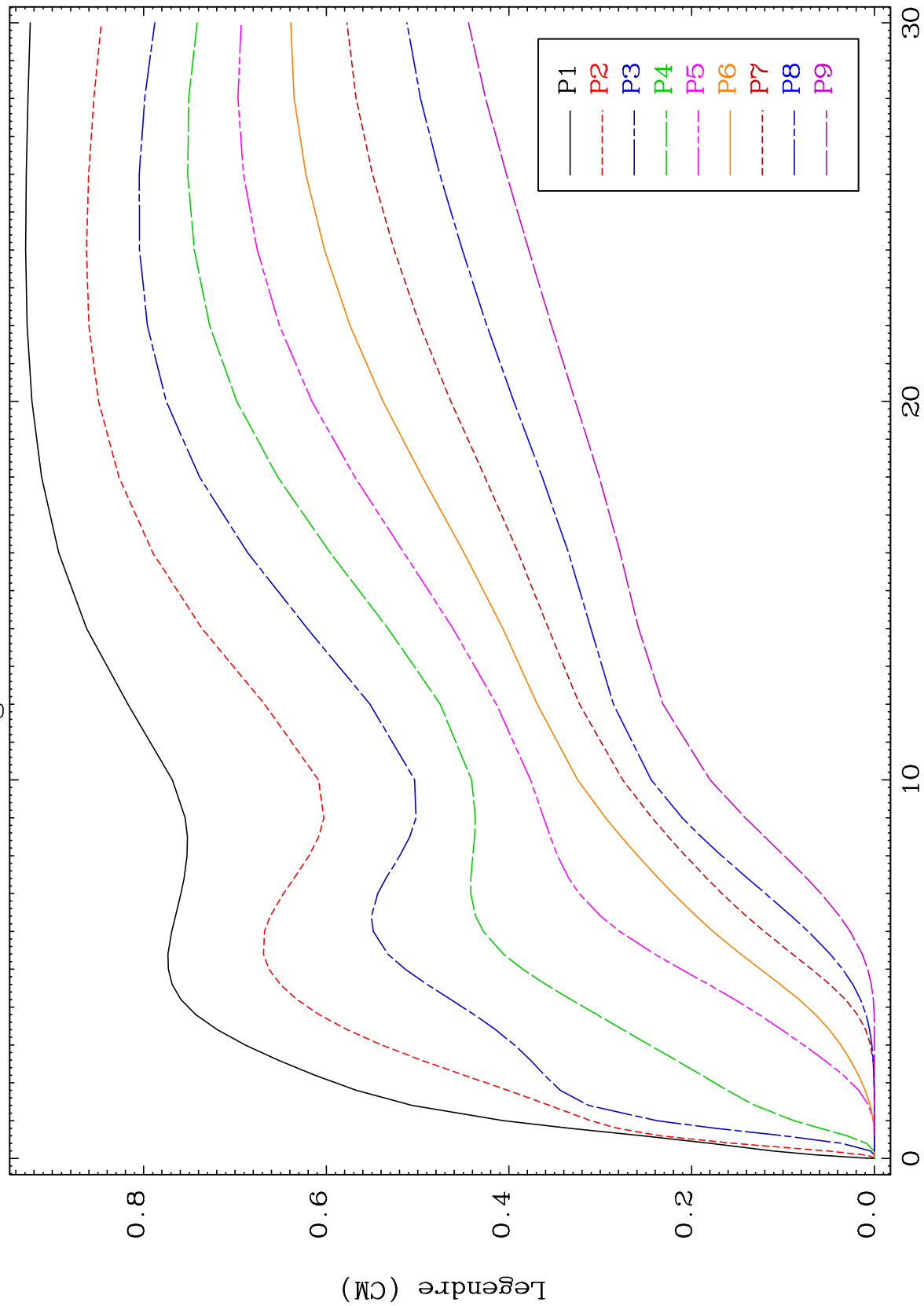
77-Ir-171



MAT 7665

Elastic Legendre Coefficients

⁷⁷Ir-171



⁷⁷Ir-171

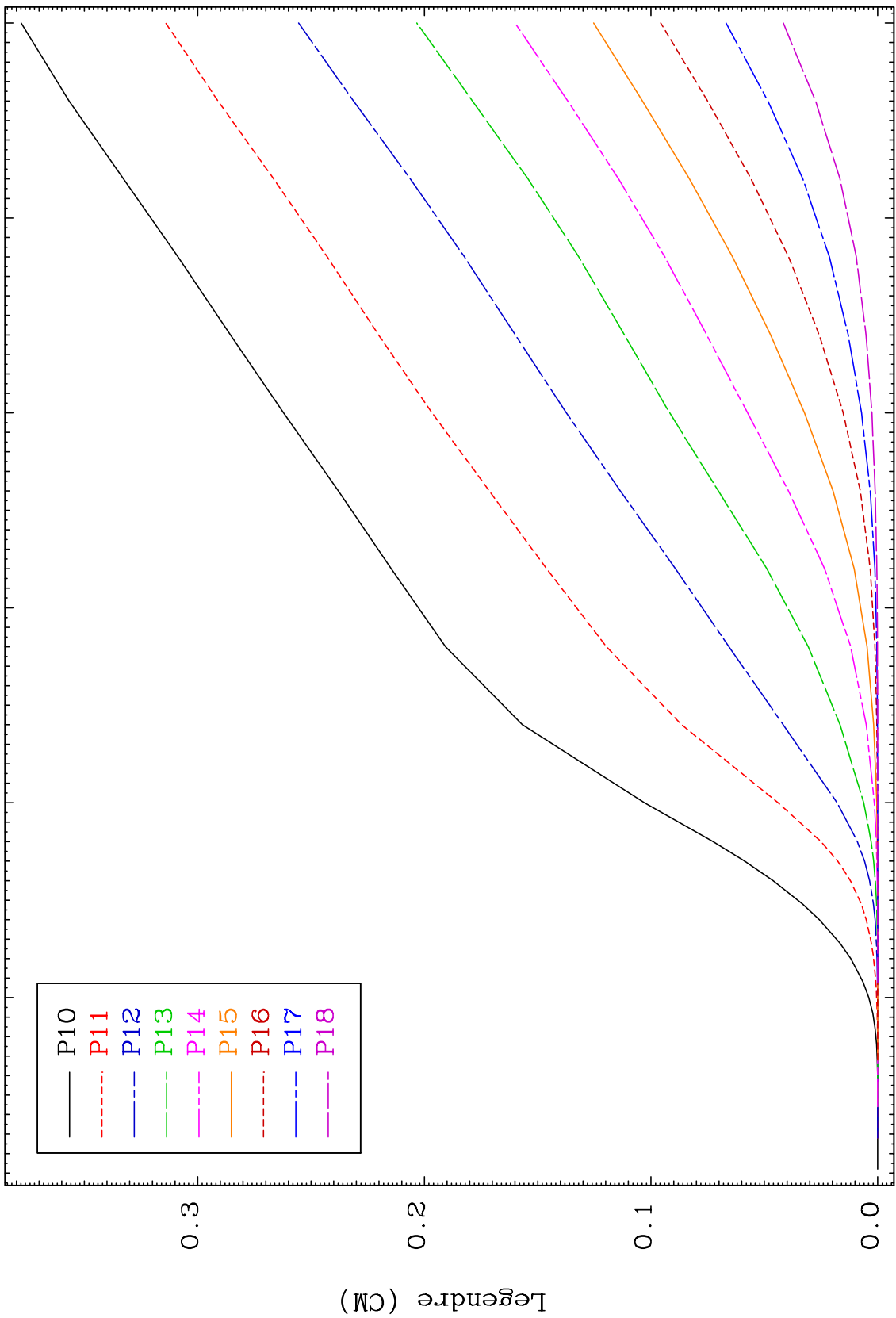
Incident Energy (MeV)

17

MAT 7665

Elastic Legendre Coefficients

⁷⁷Ir-171



18

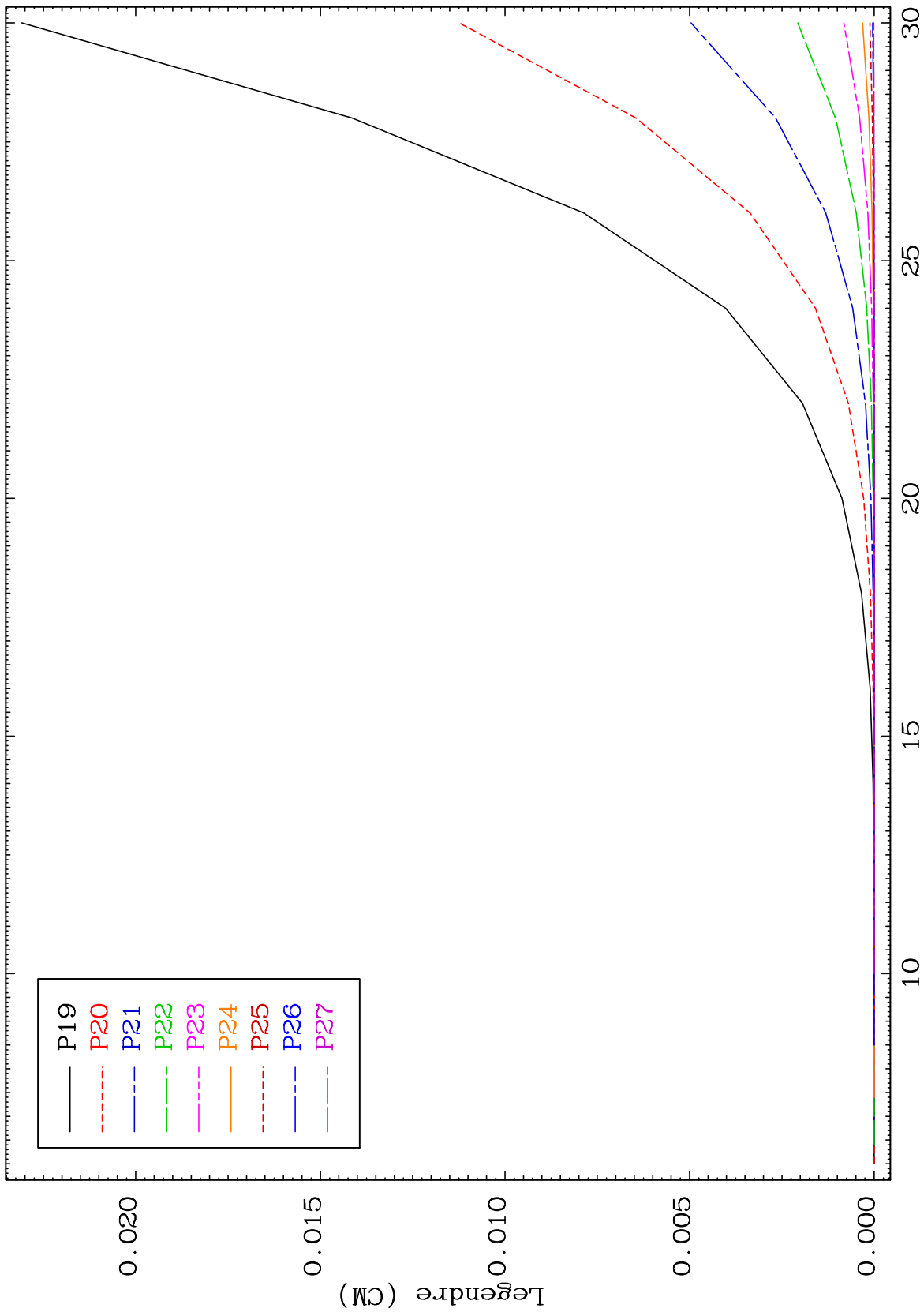
Incident Energy (MeV)

⁷⁷Ir-171

MAT 7665

Elastic Legendre Coefficients

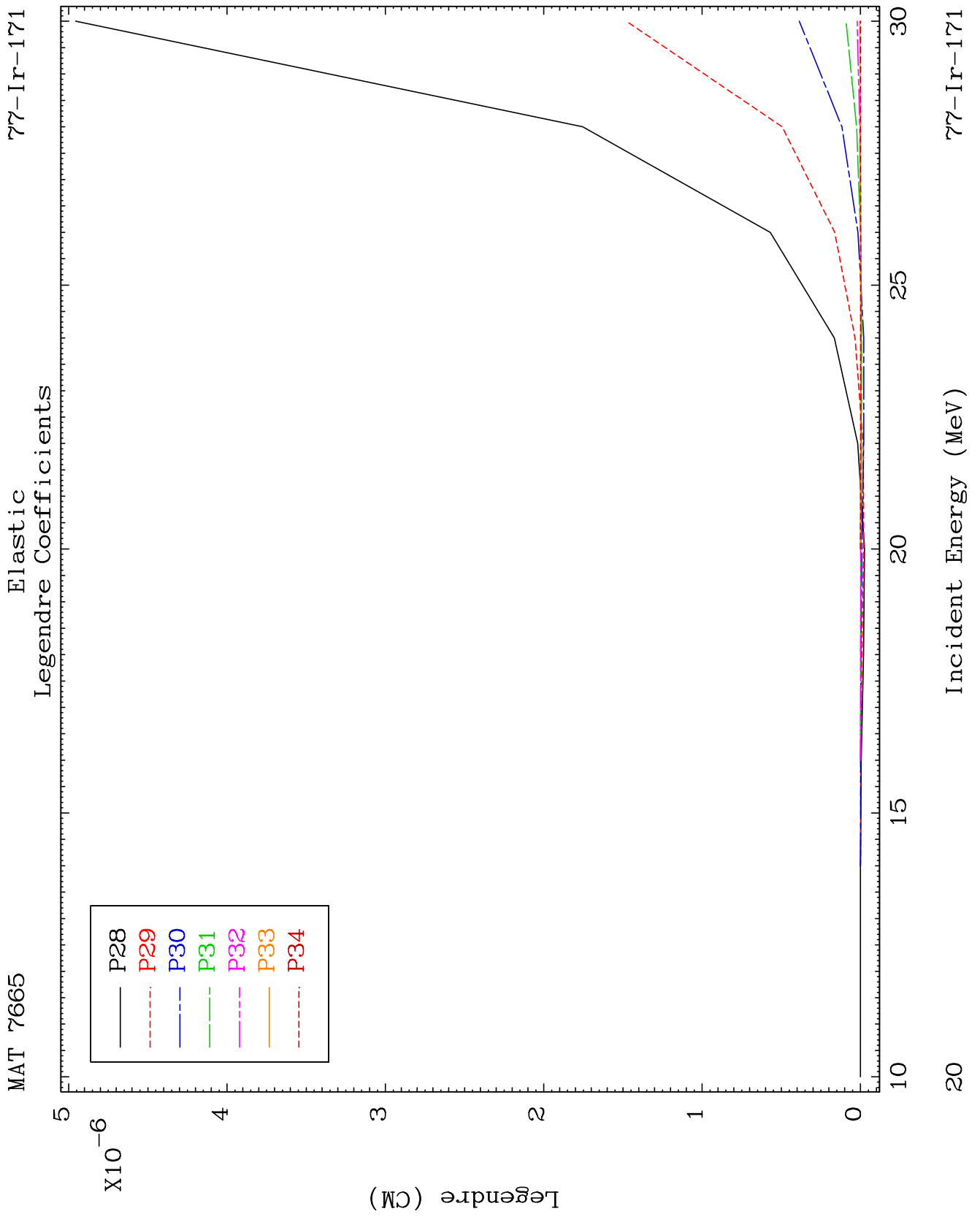
77-Ir-171



19

Incident Energy (MeV)

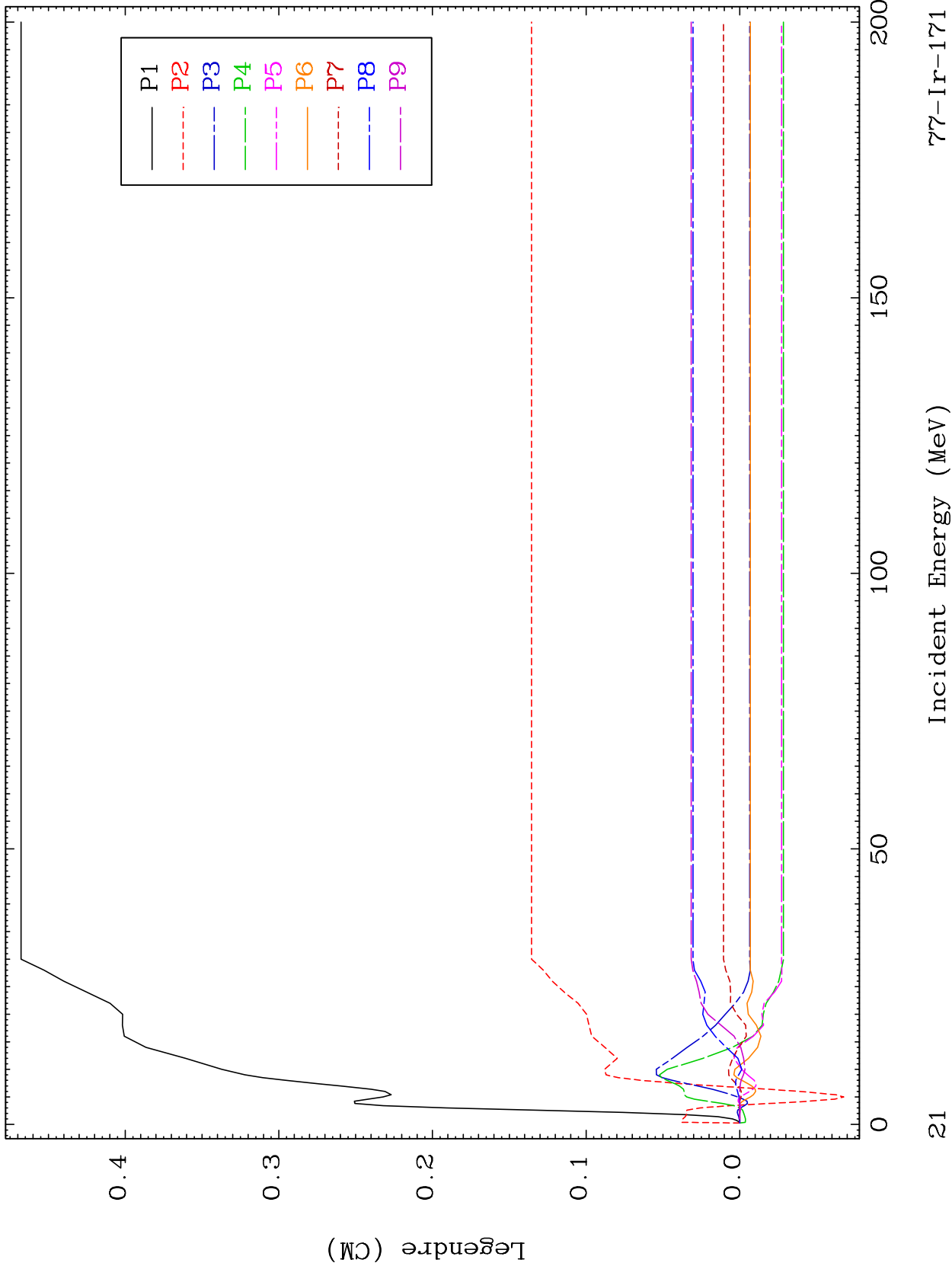
77-Ir-171



MAT 7665

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

77-Ir-171



77-Ir-171

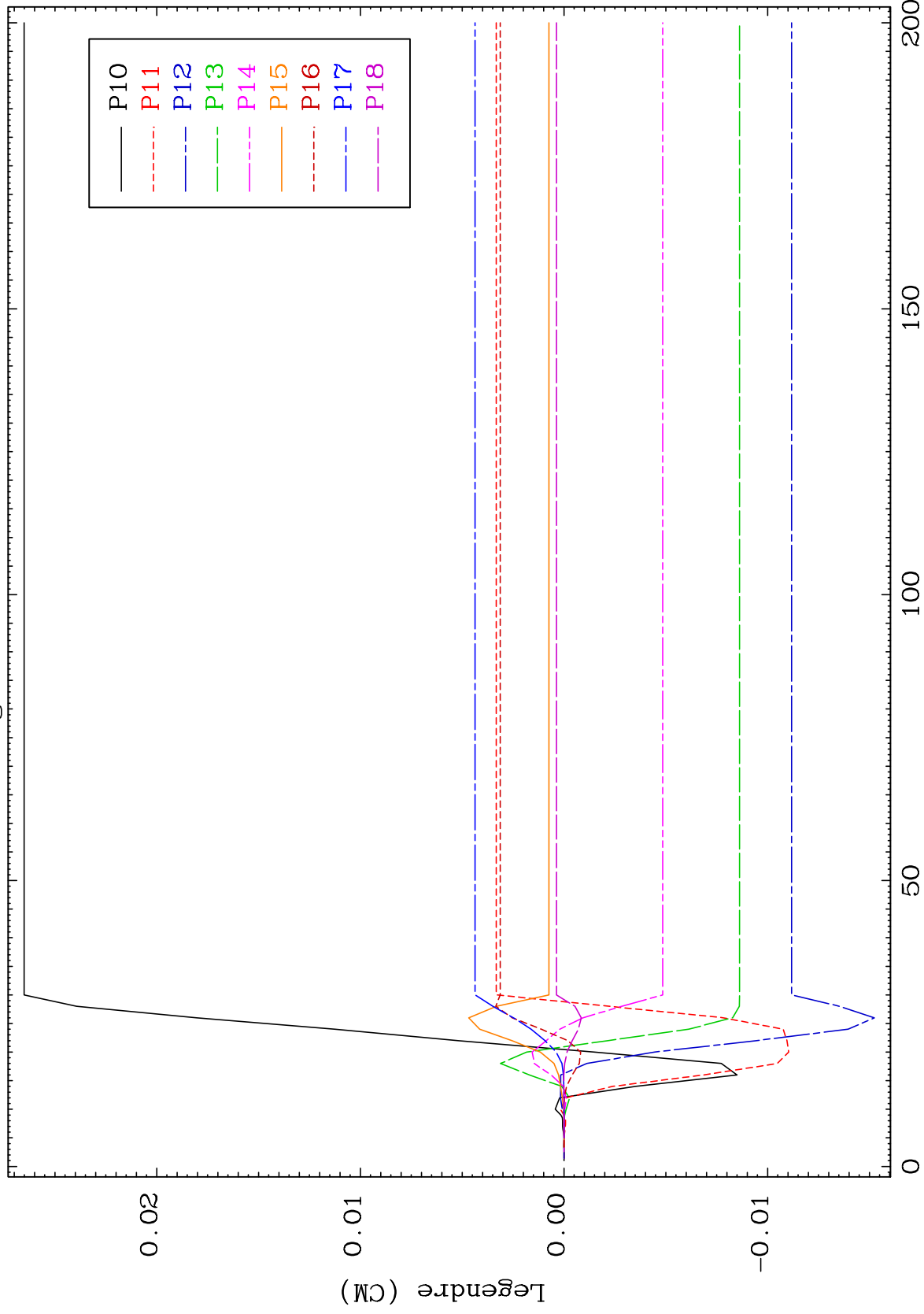
Incident Energy (MeV)

21

MAT 7665

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

77-Ir-171



22

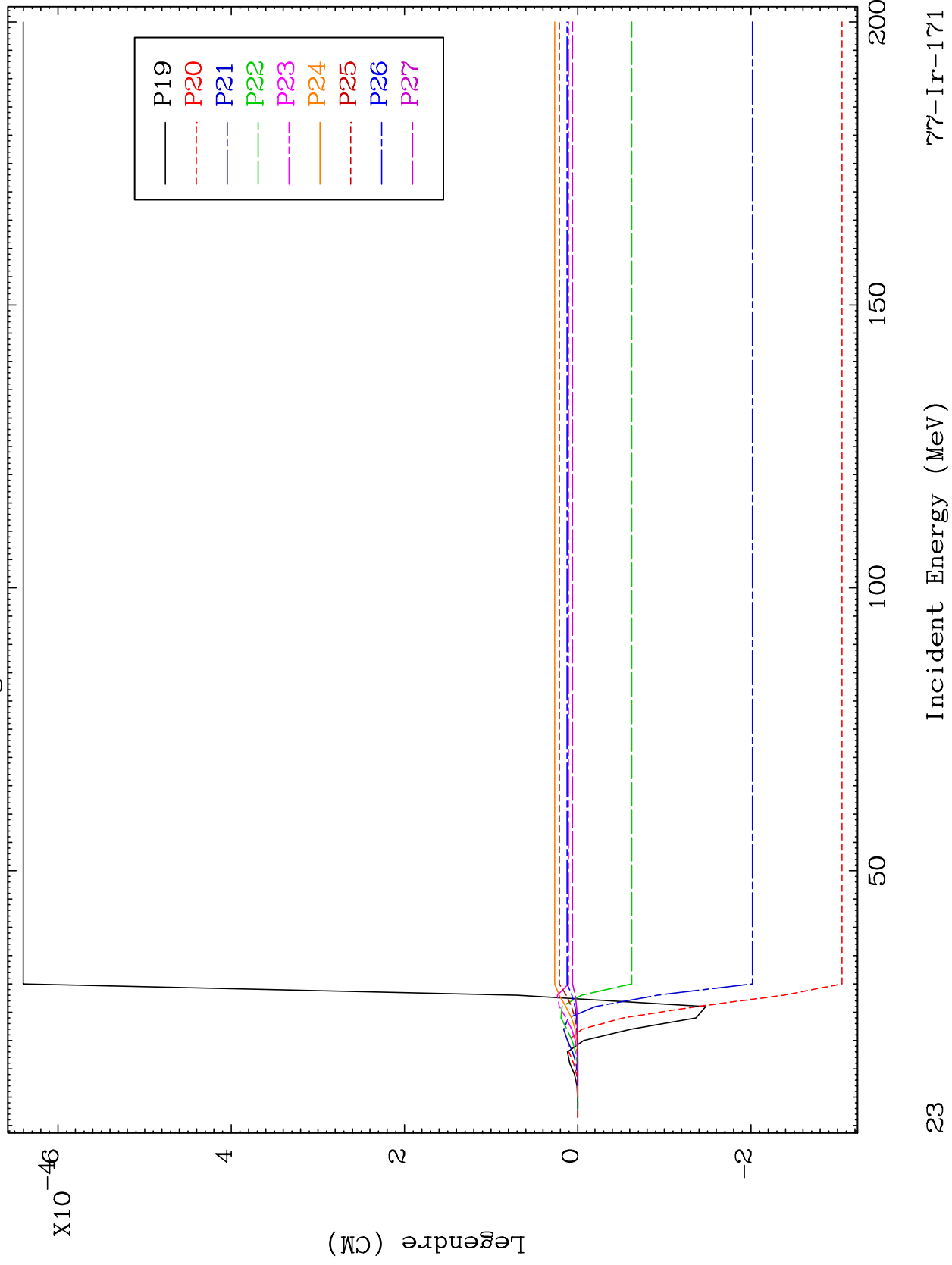
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

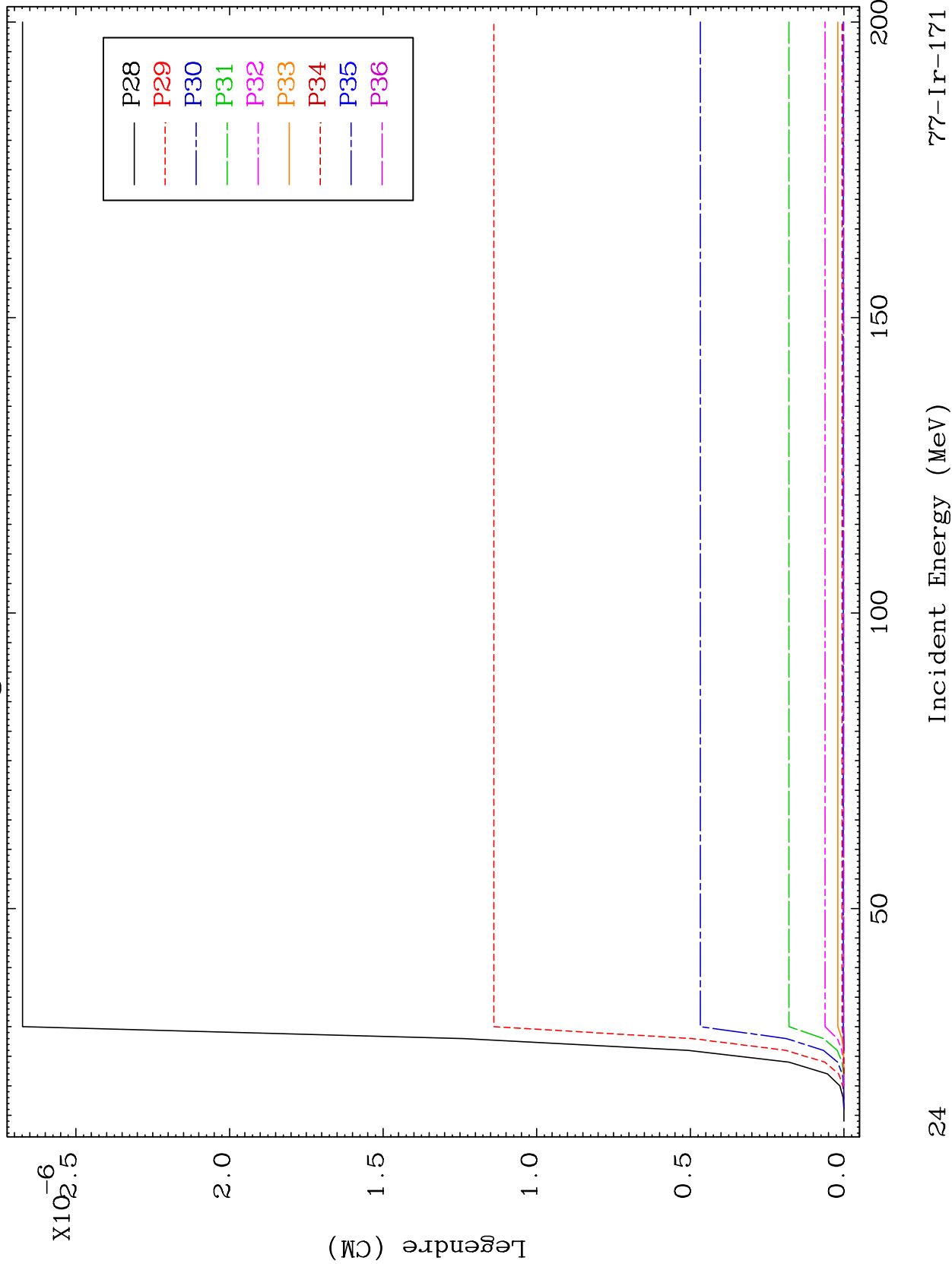
77-Ir-171



MAT 7665

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

77-Ir-171

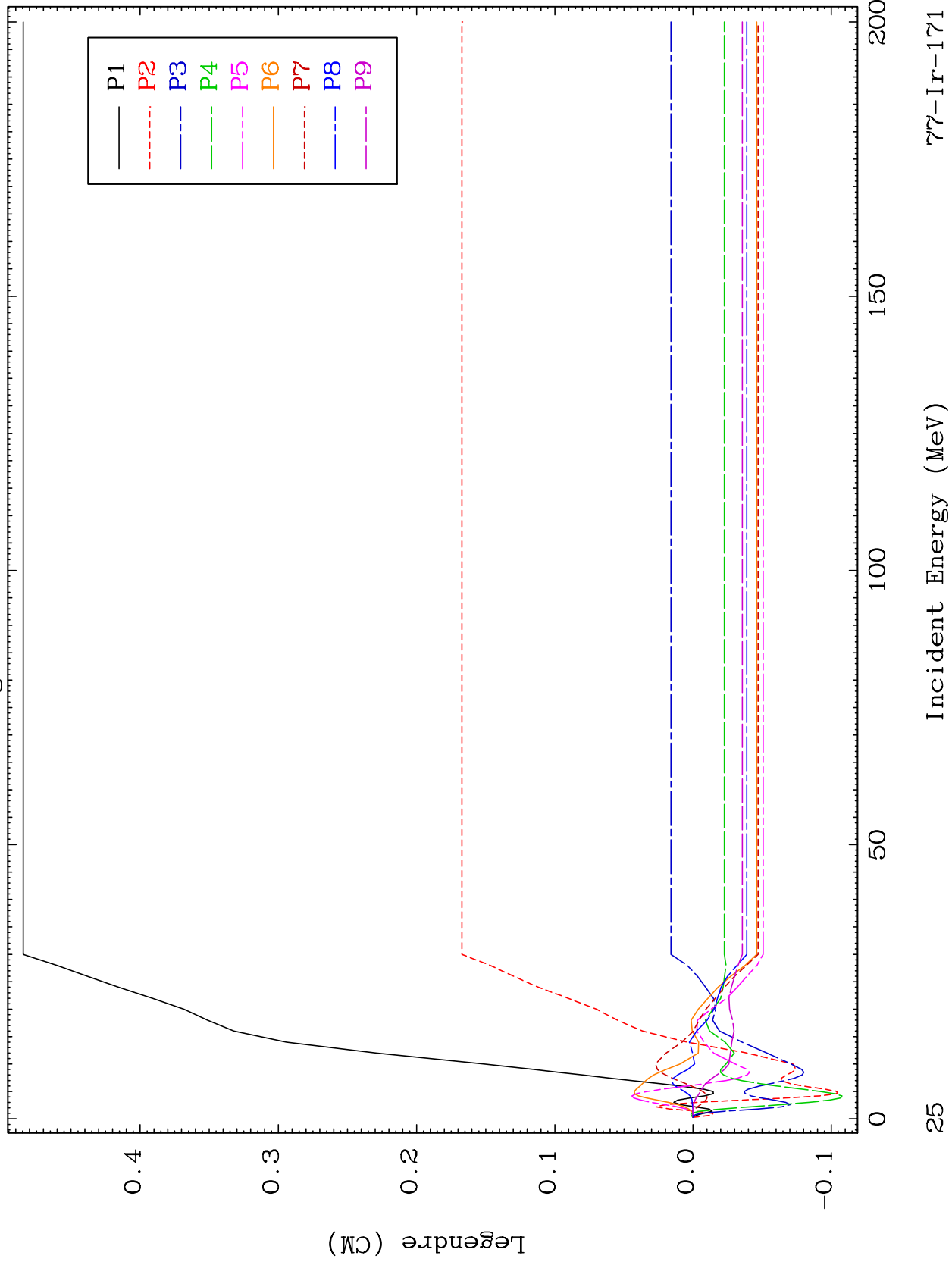


24

MAT 7665

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

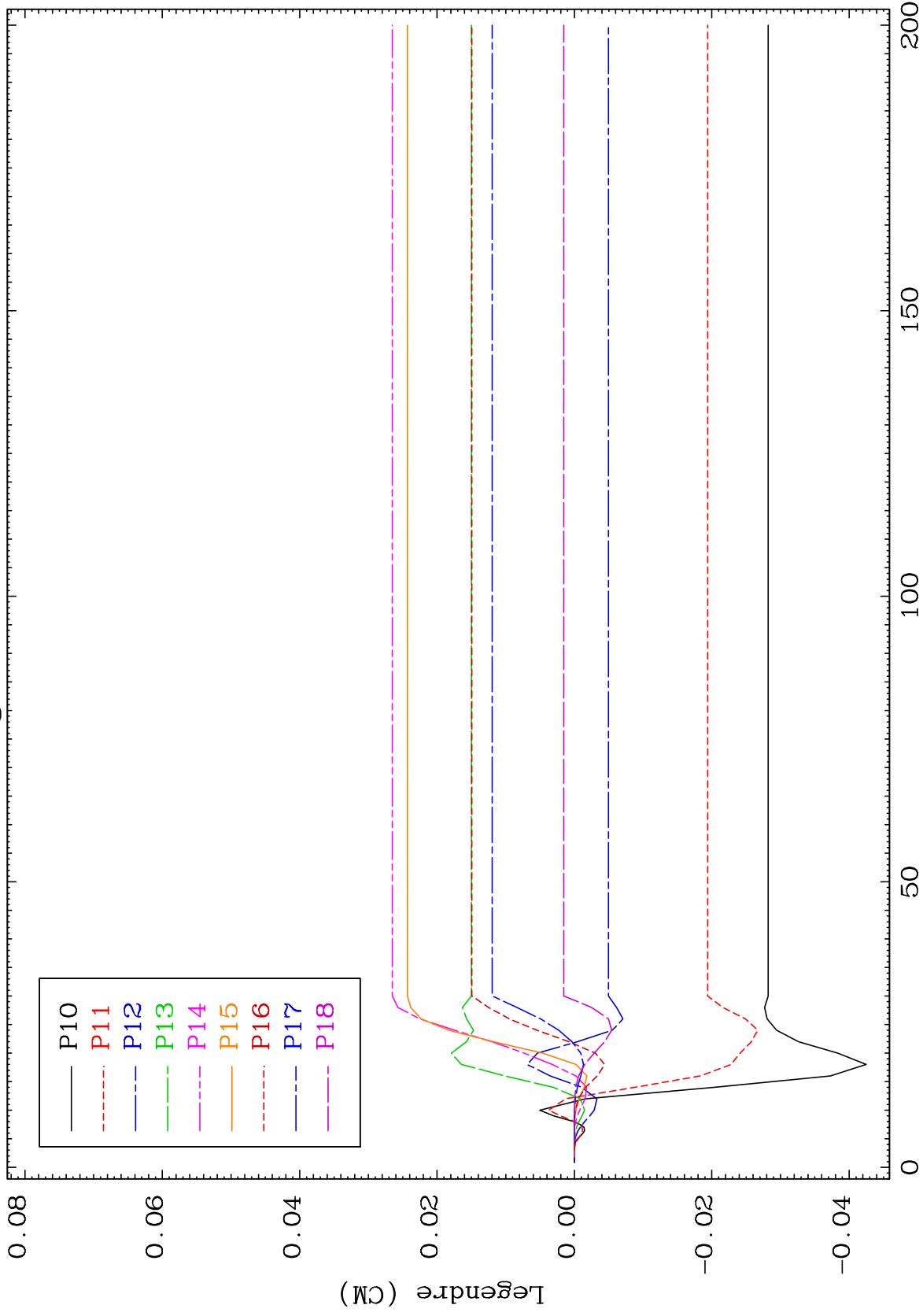
77-Ir-171



77-Ir-171

Incident Energy (MeV)

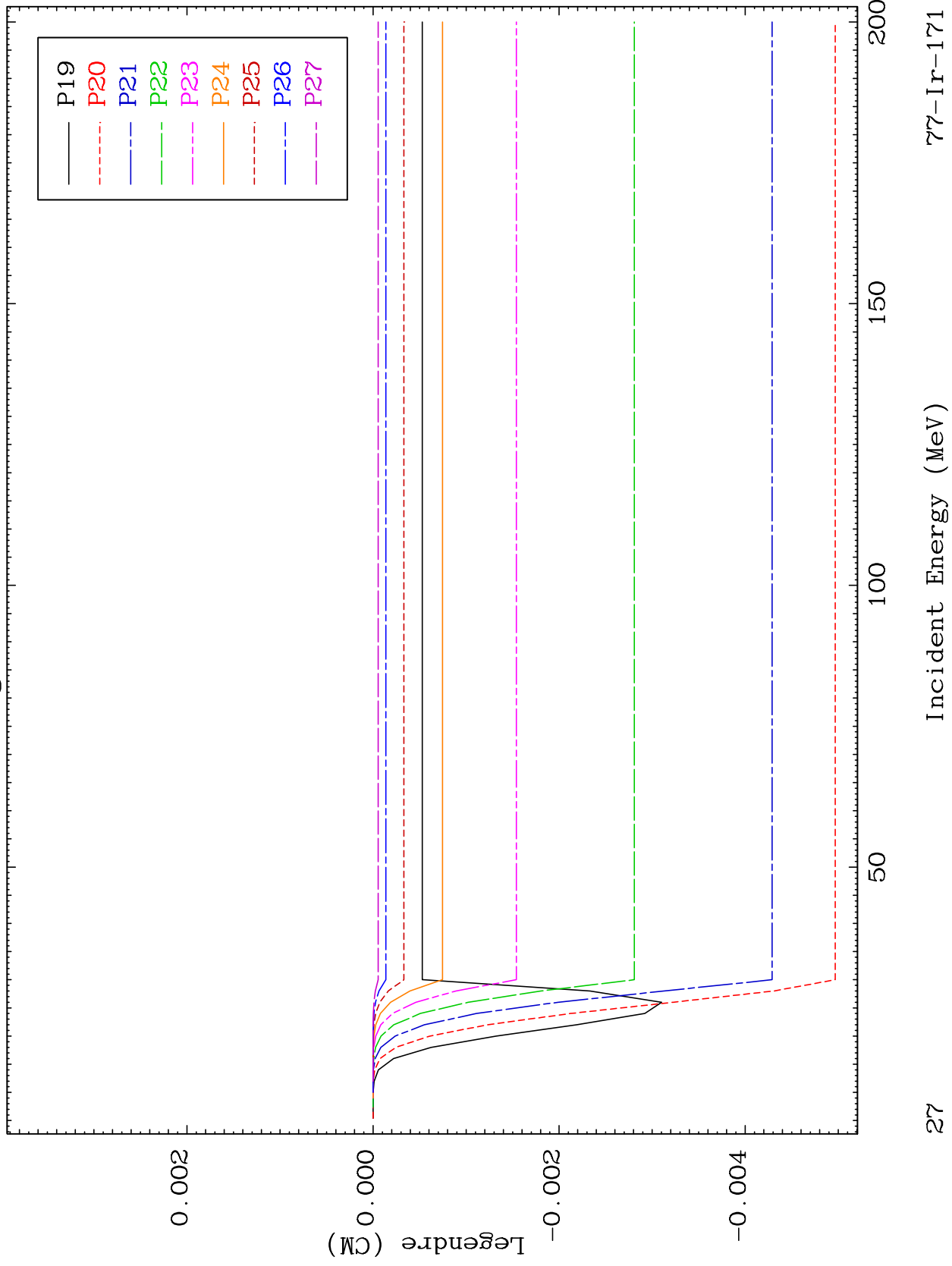
25

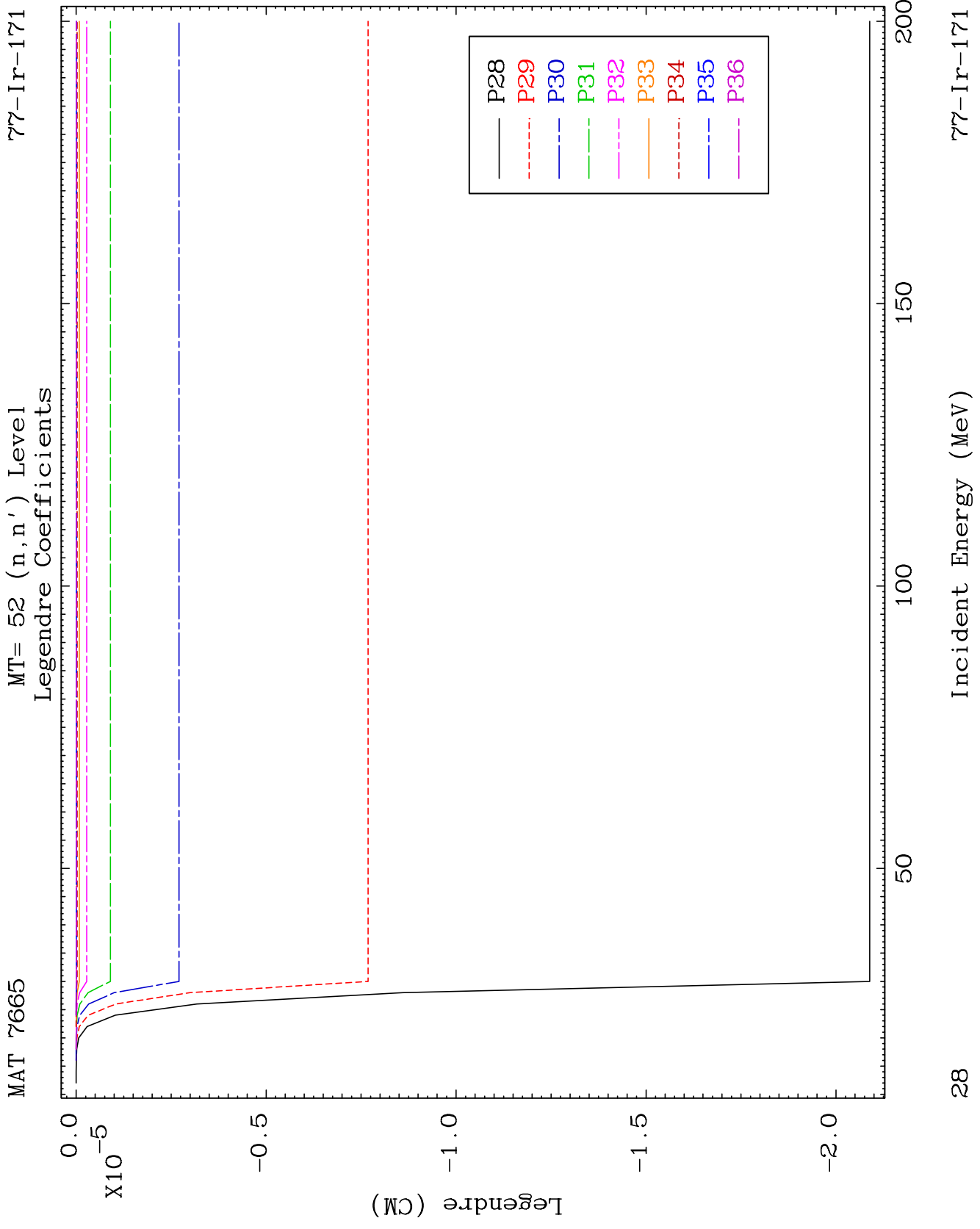


MAT 7665

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

77-Ir-171

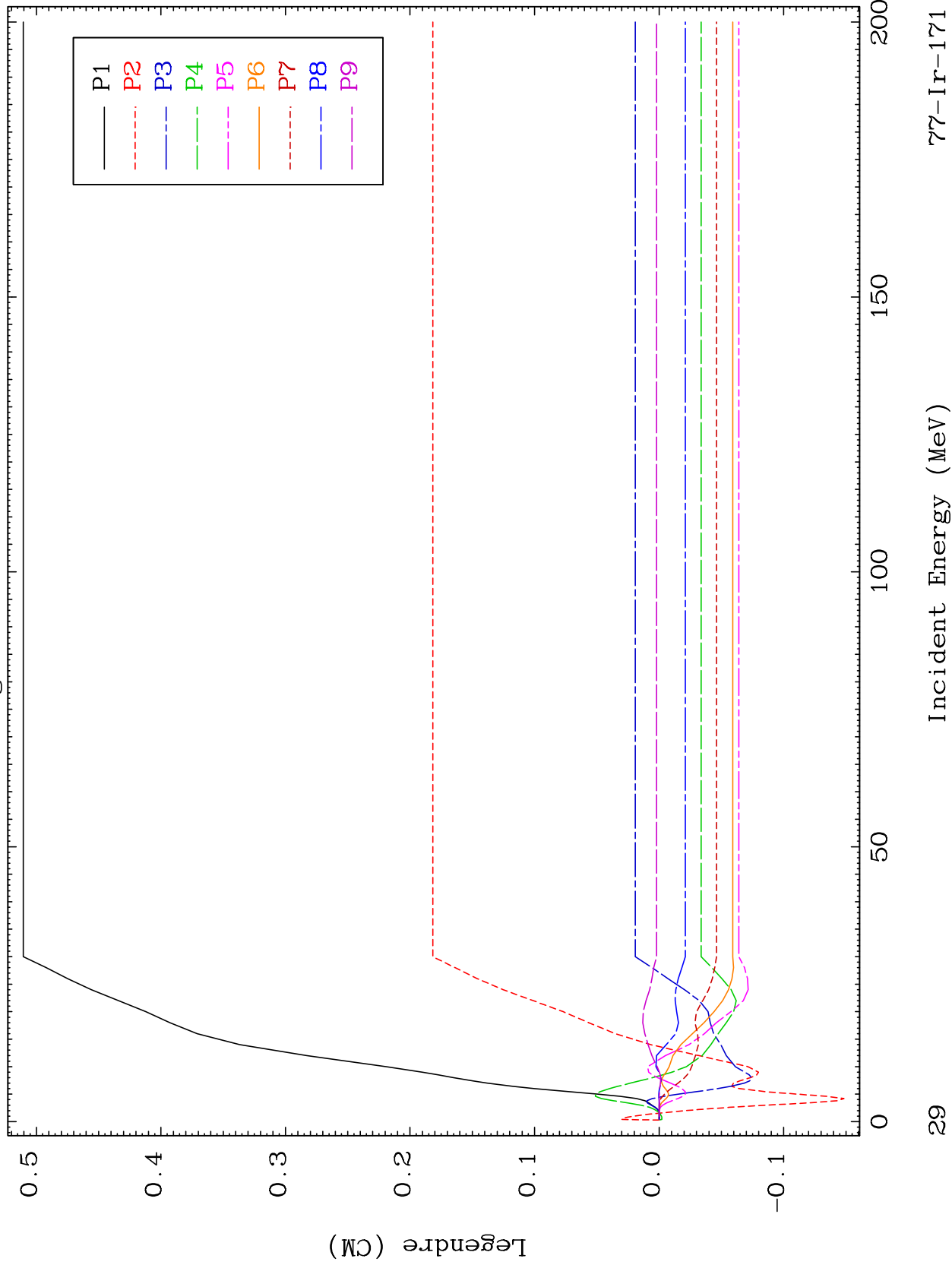




MAT 7665

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

77-Ir-171



77-Ir-171

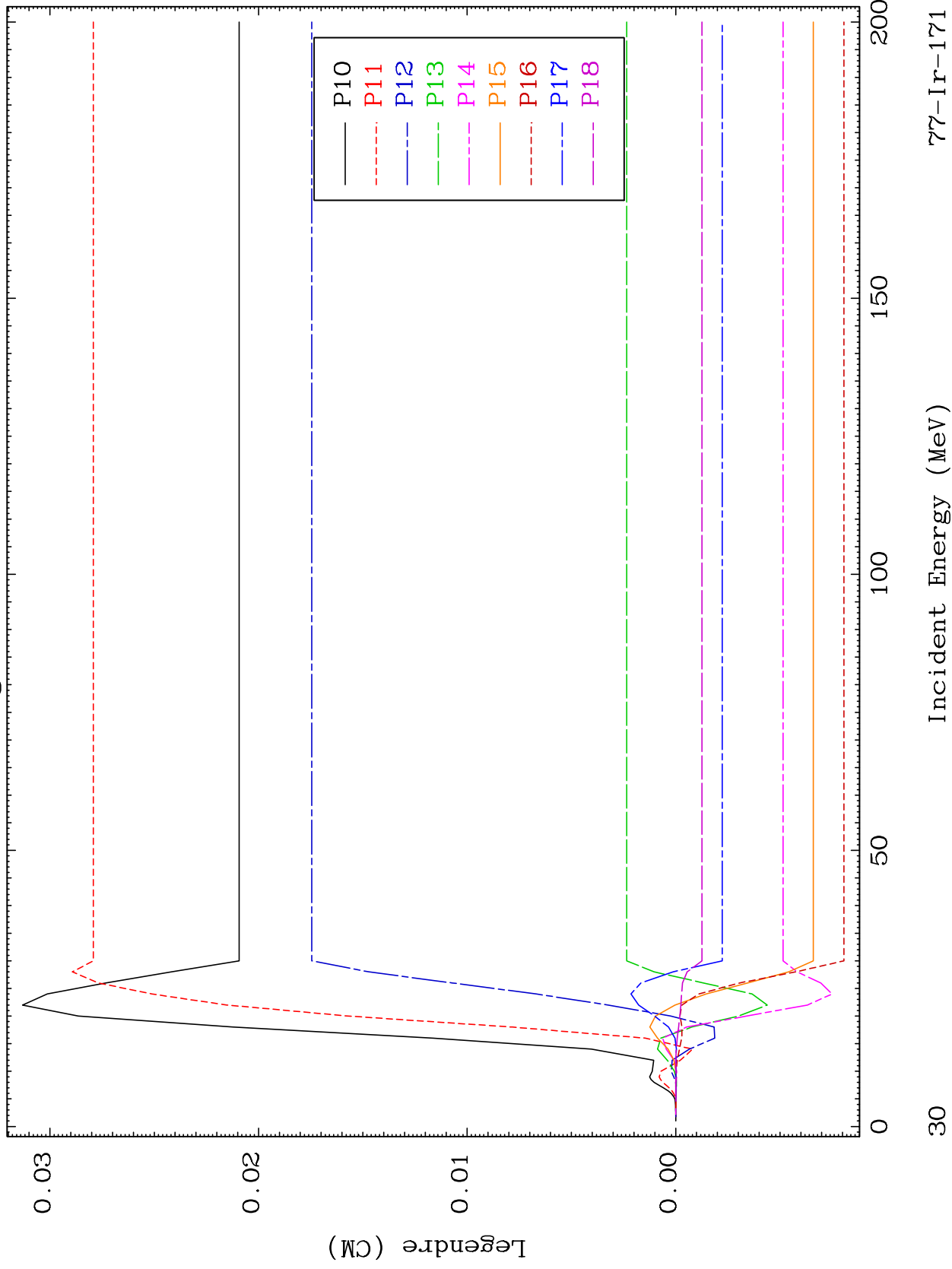
Incident Energy (MeV)

29

MAT 7665

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

77-Ir-171



77-Ir-171

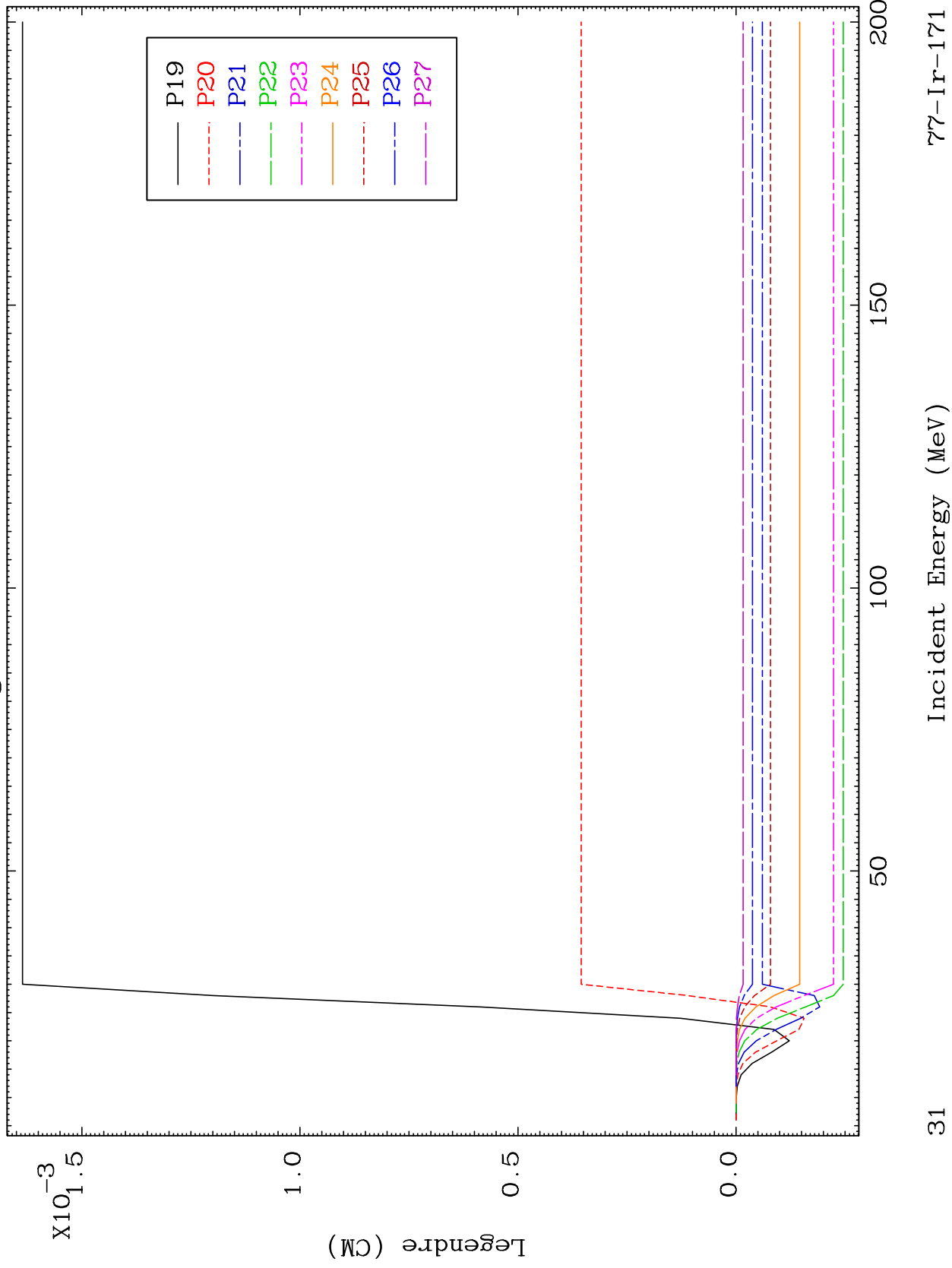
Incident Energy (MeV)

30

MAT 7665

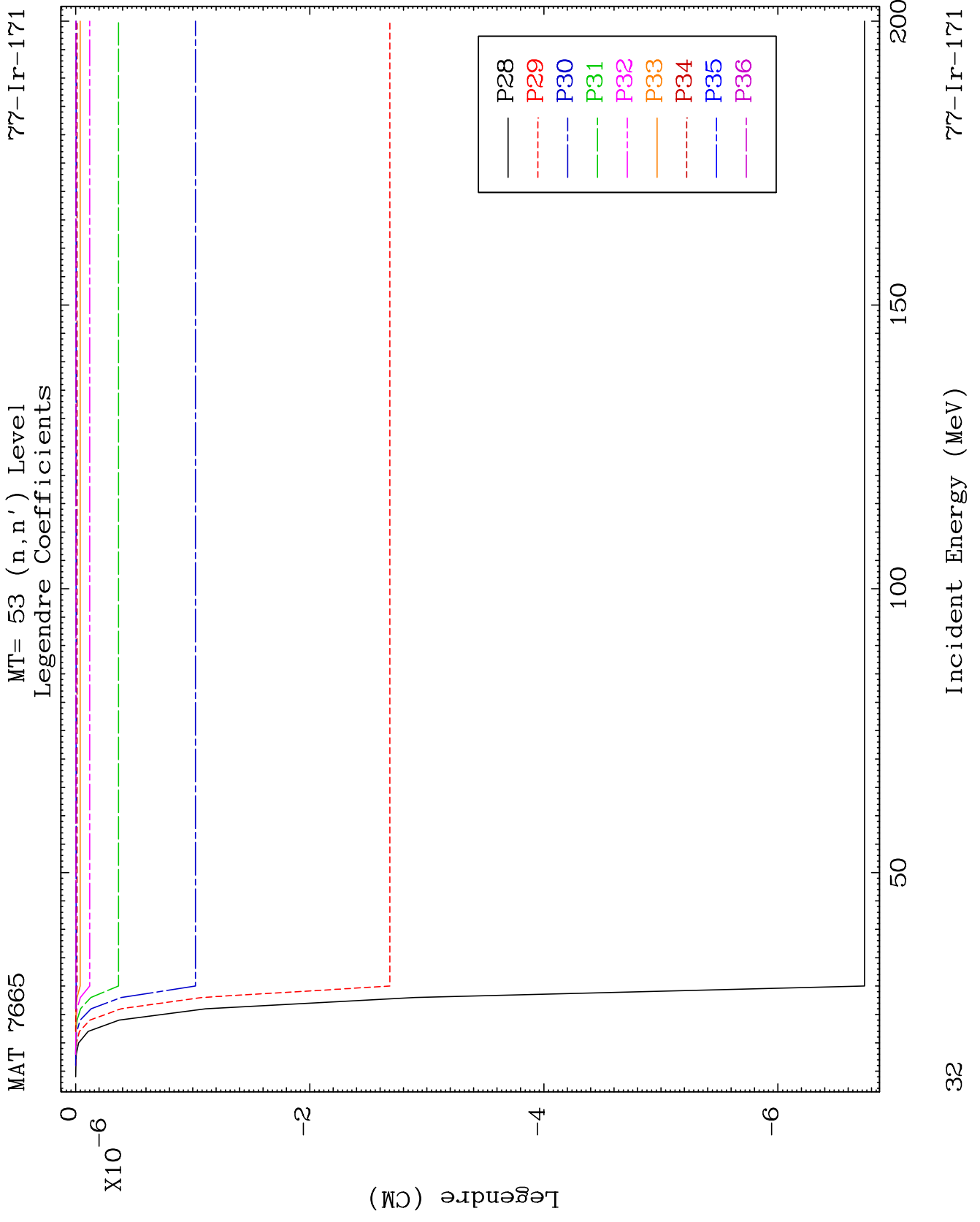
MT= 53 (n,n') Level
Legendre Coefficients

77-Ir-171



31

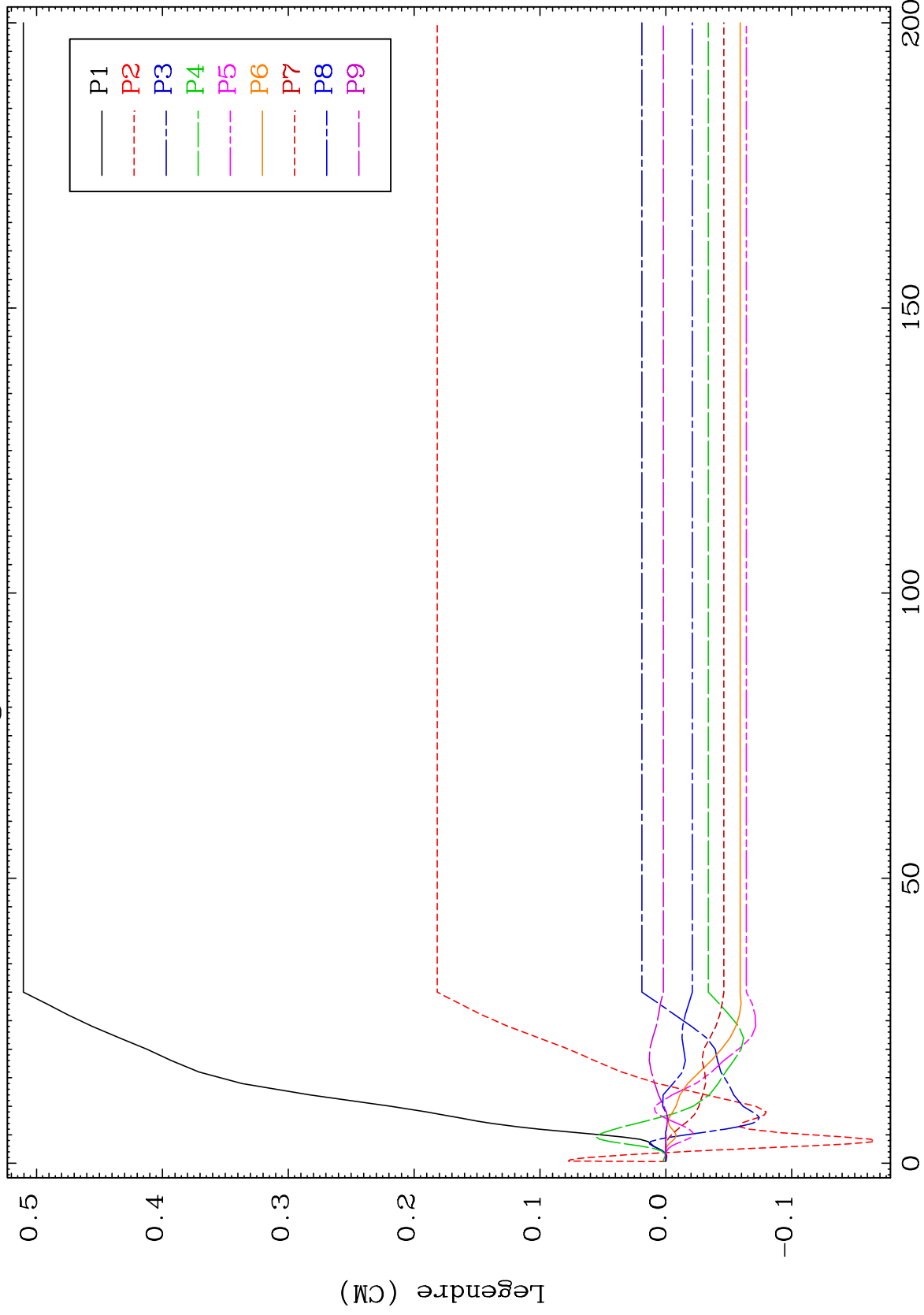
77-Ir-171



MAT 7665

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

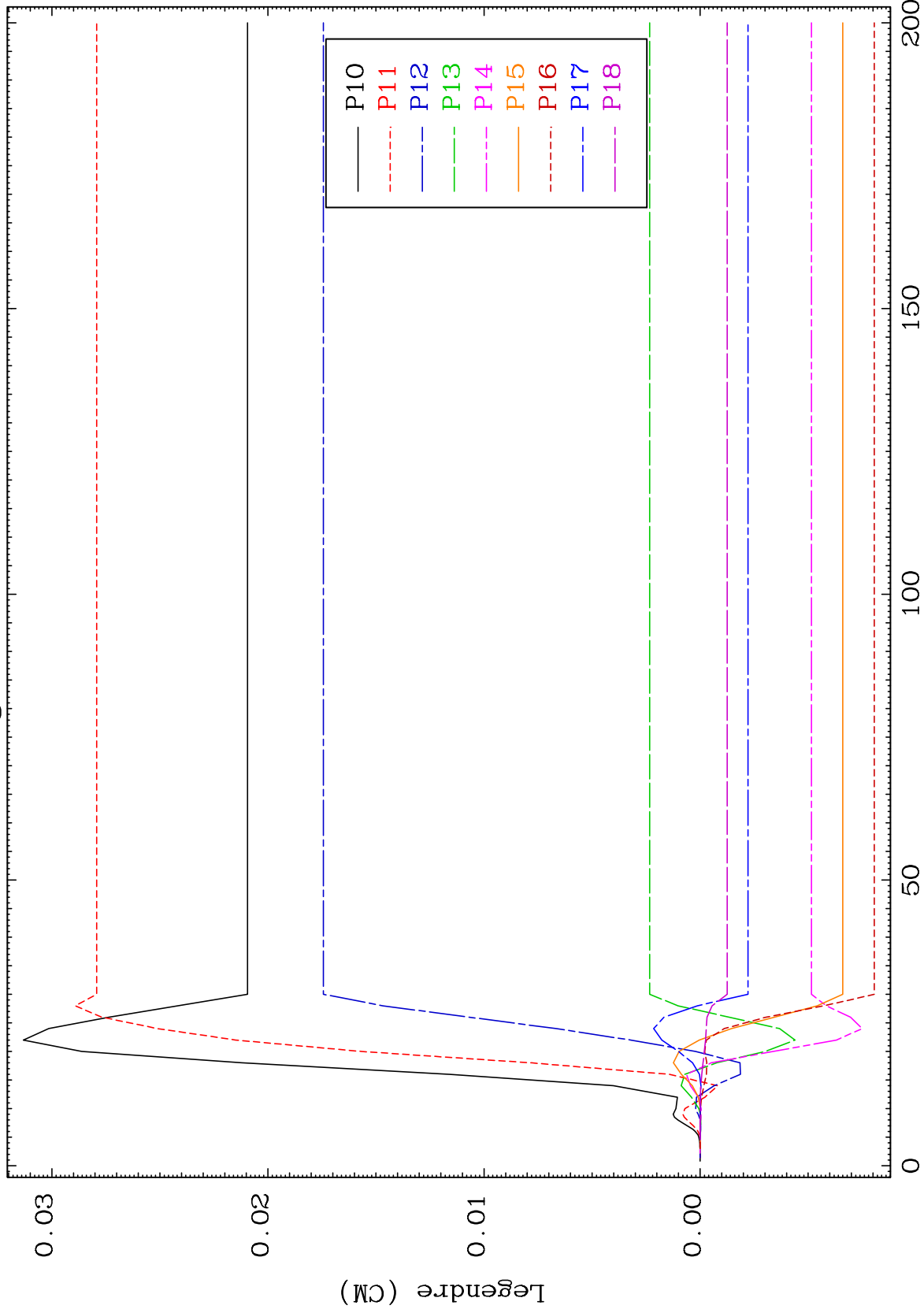
77-Ir-171



MAT 7665

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

77-Ir-171



34

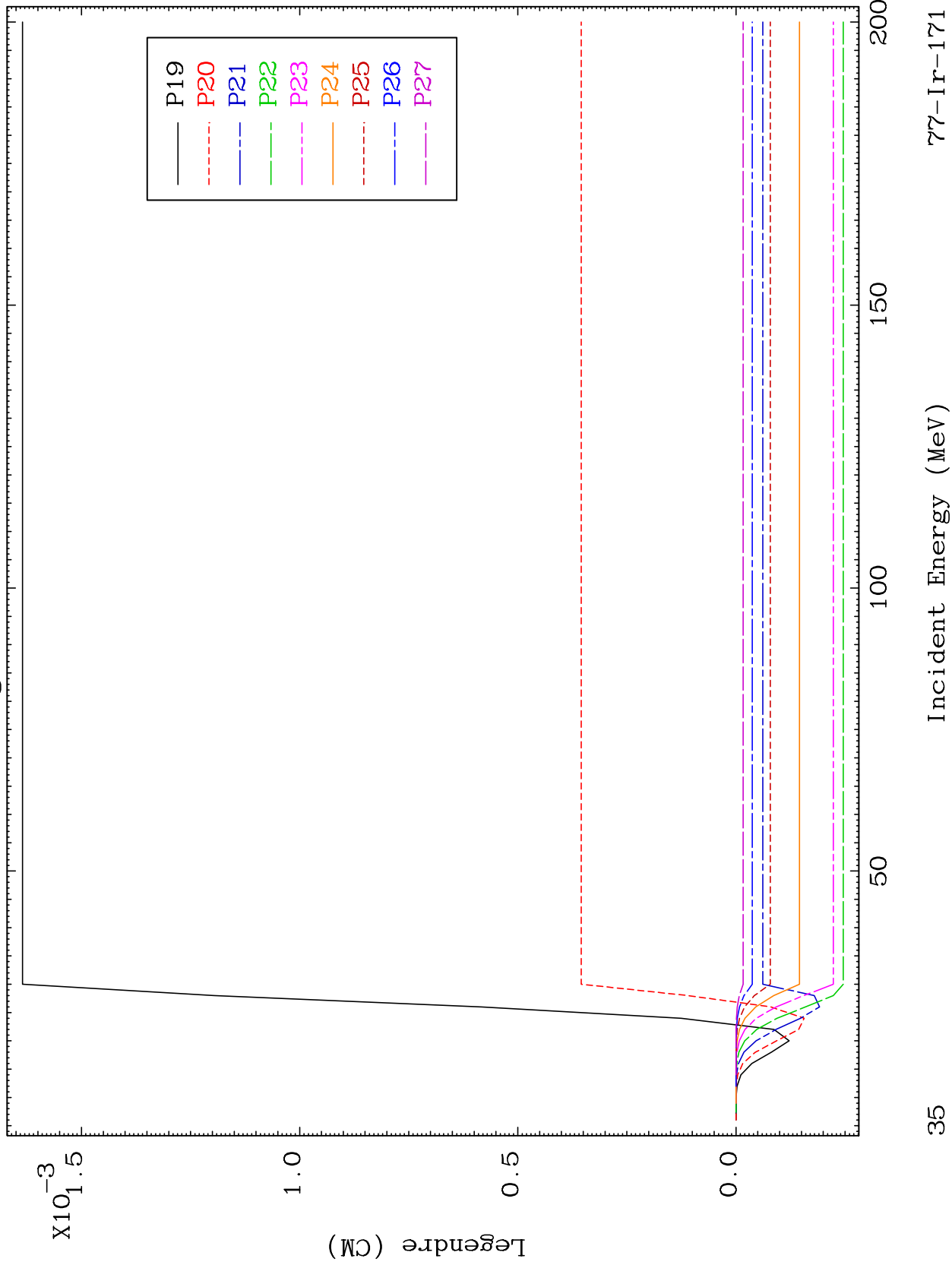
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



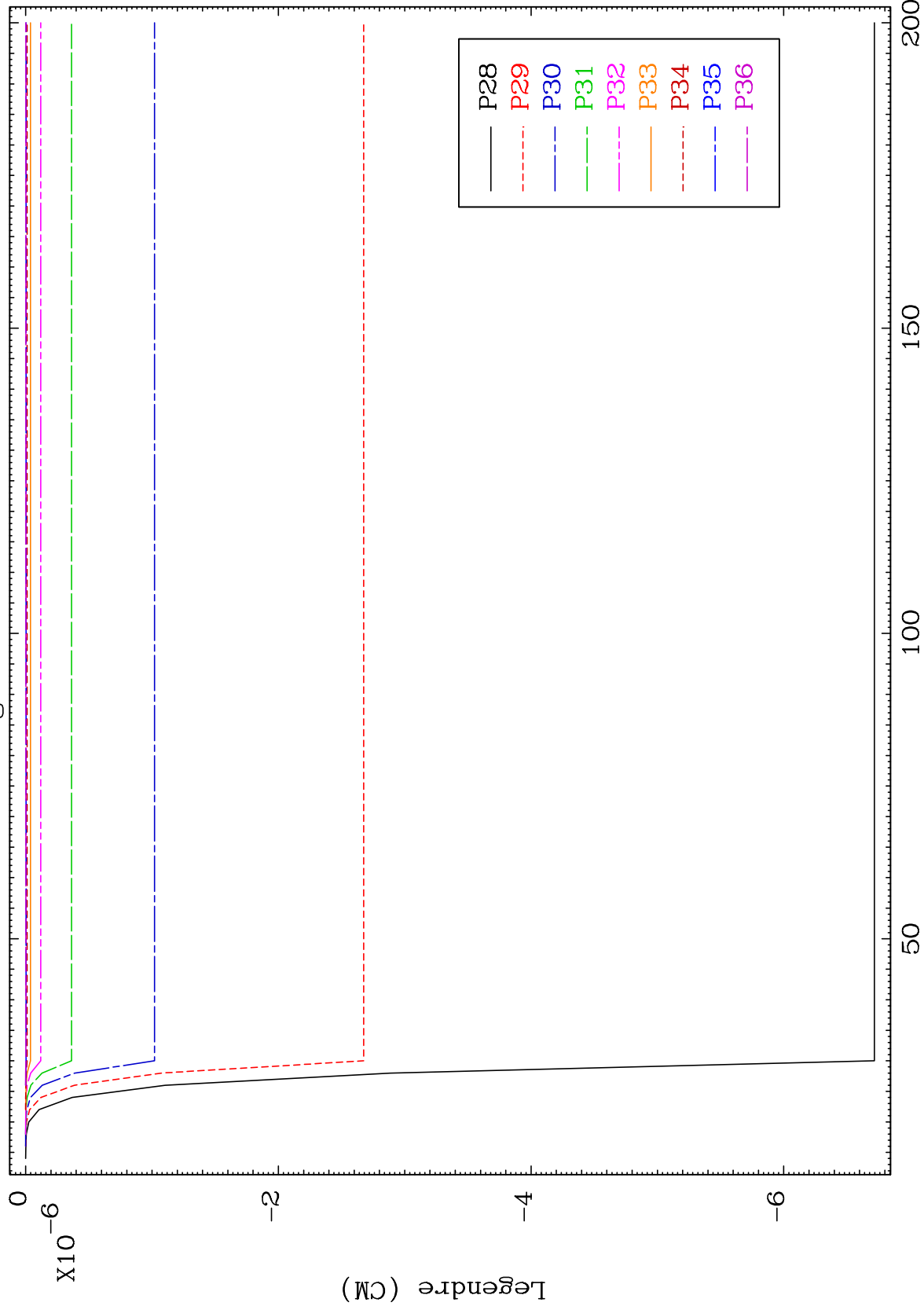
35

77-Ir-171

MAT 7665

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

77-Ir-171



36

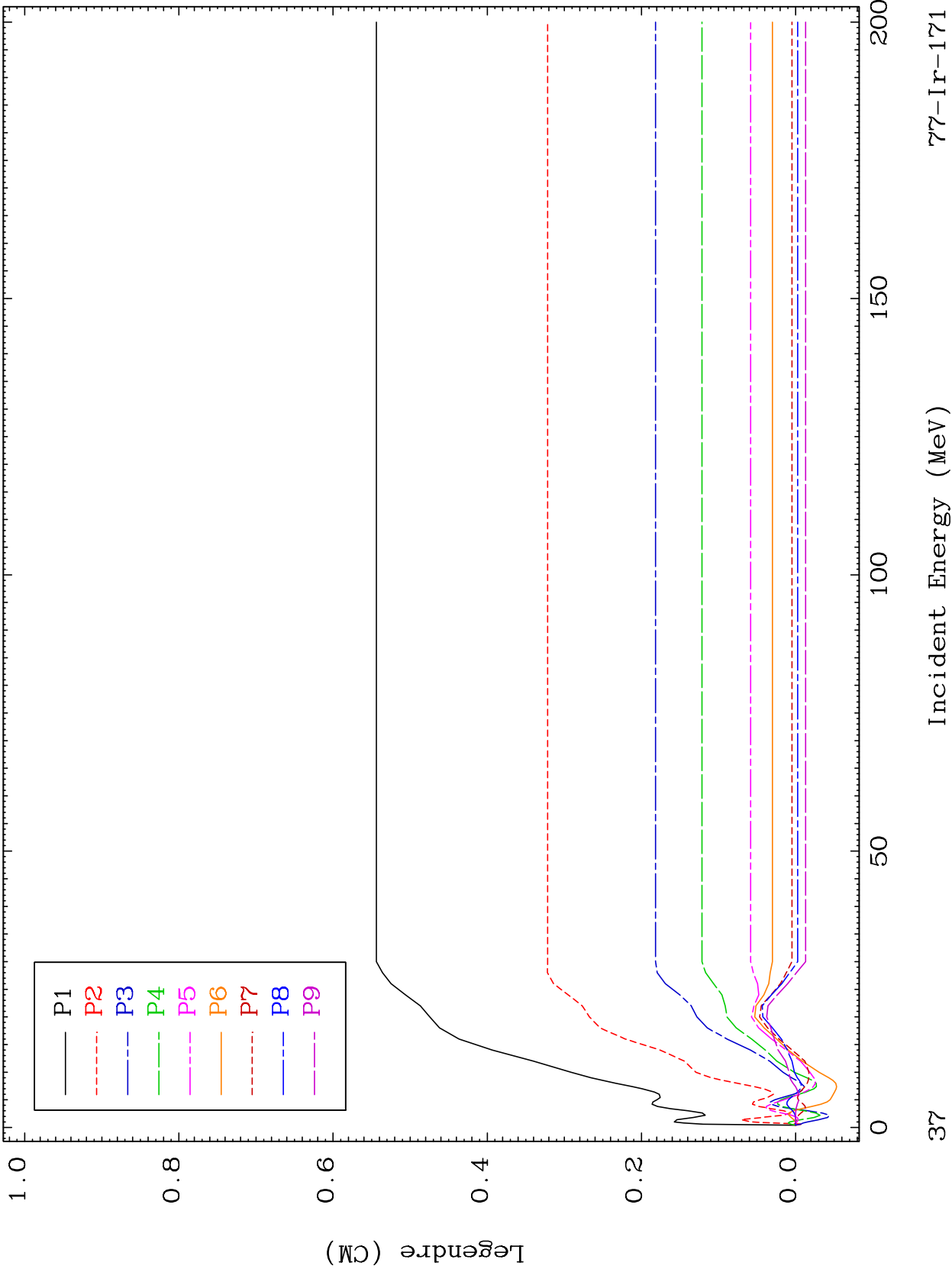
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171

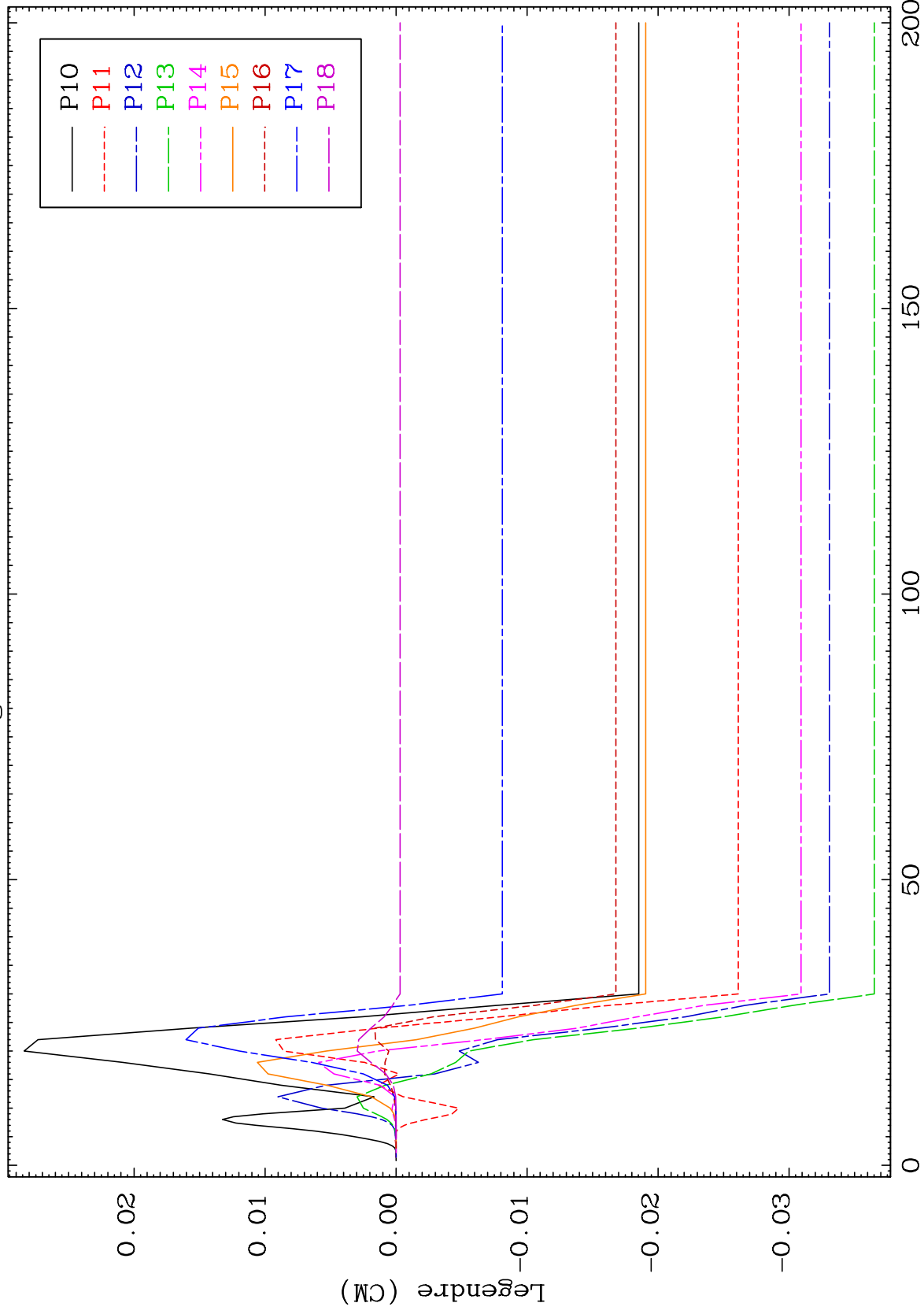


37

MAT 7665

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

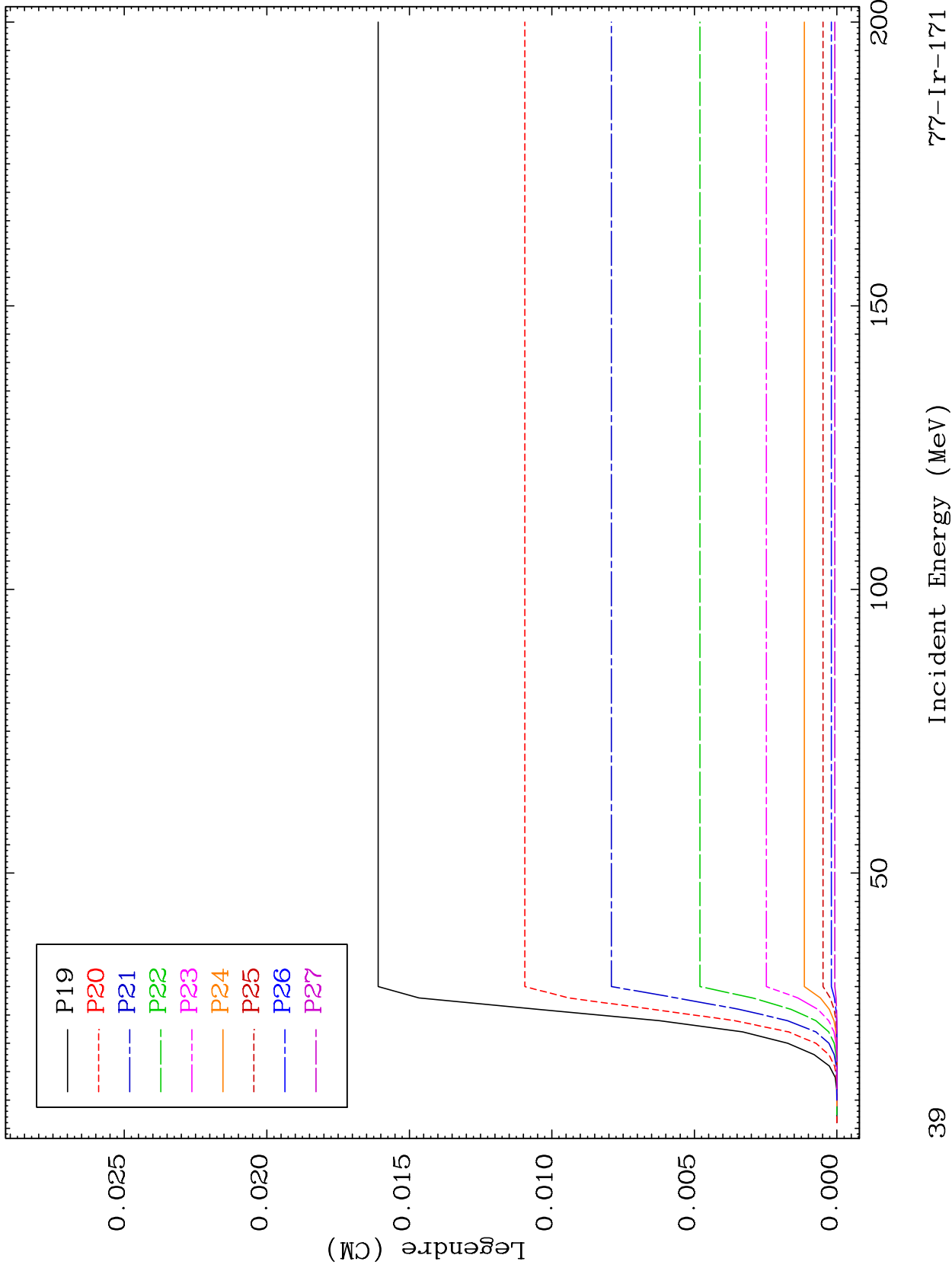
77-Ir-171



38

Incident Energy (MeV)

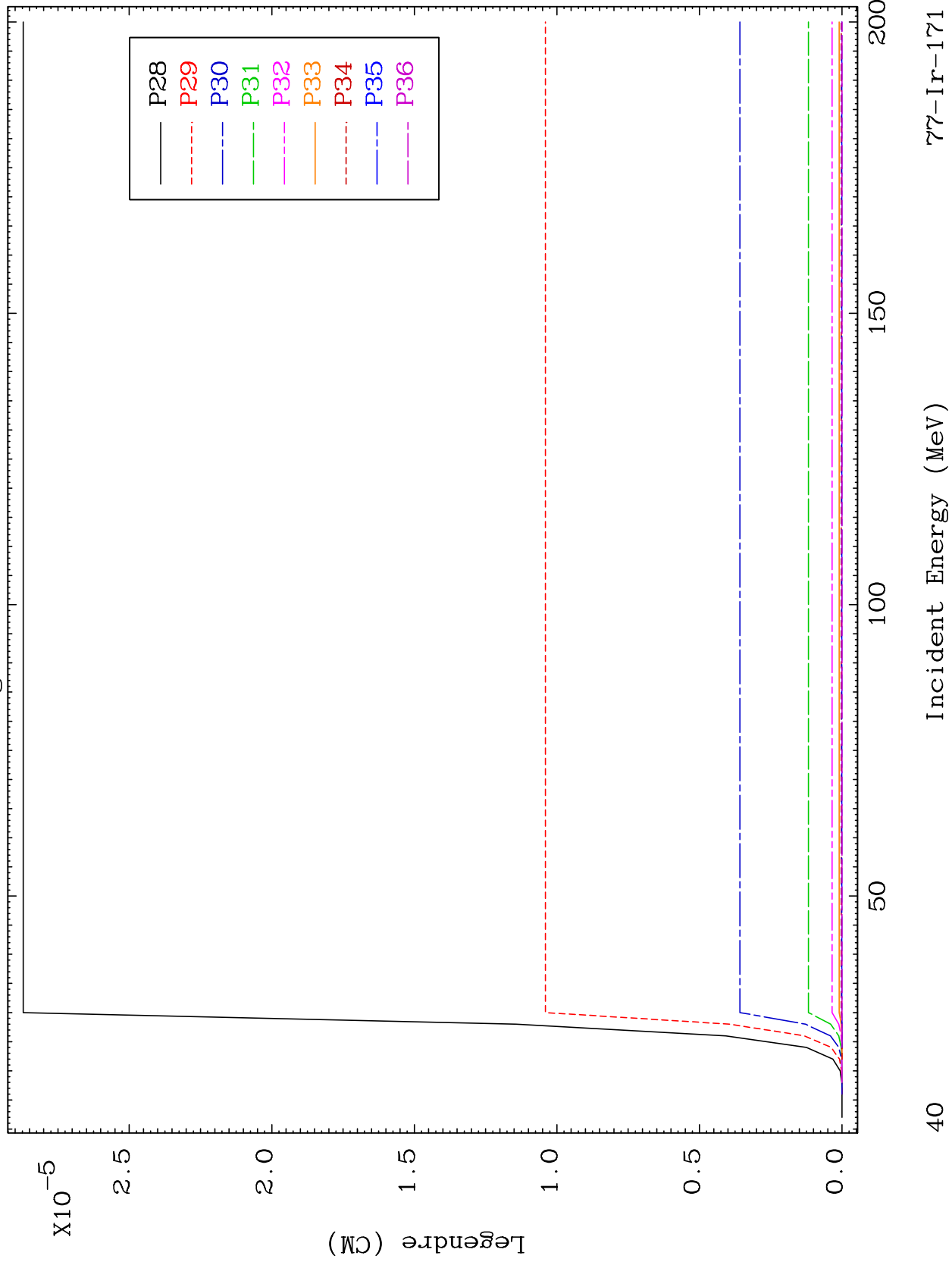
77-Ir-171



MAT 7665

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

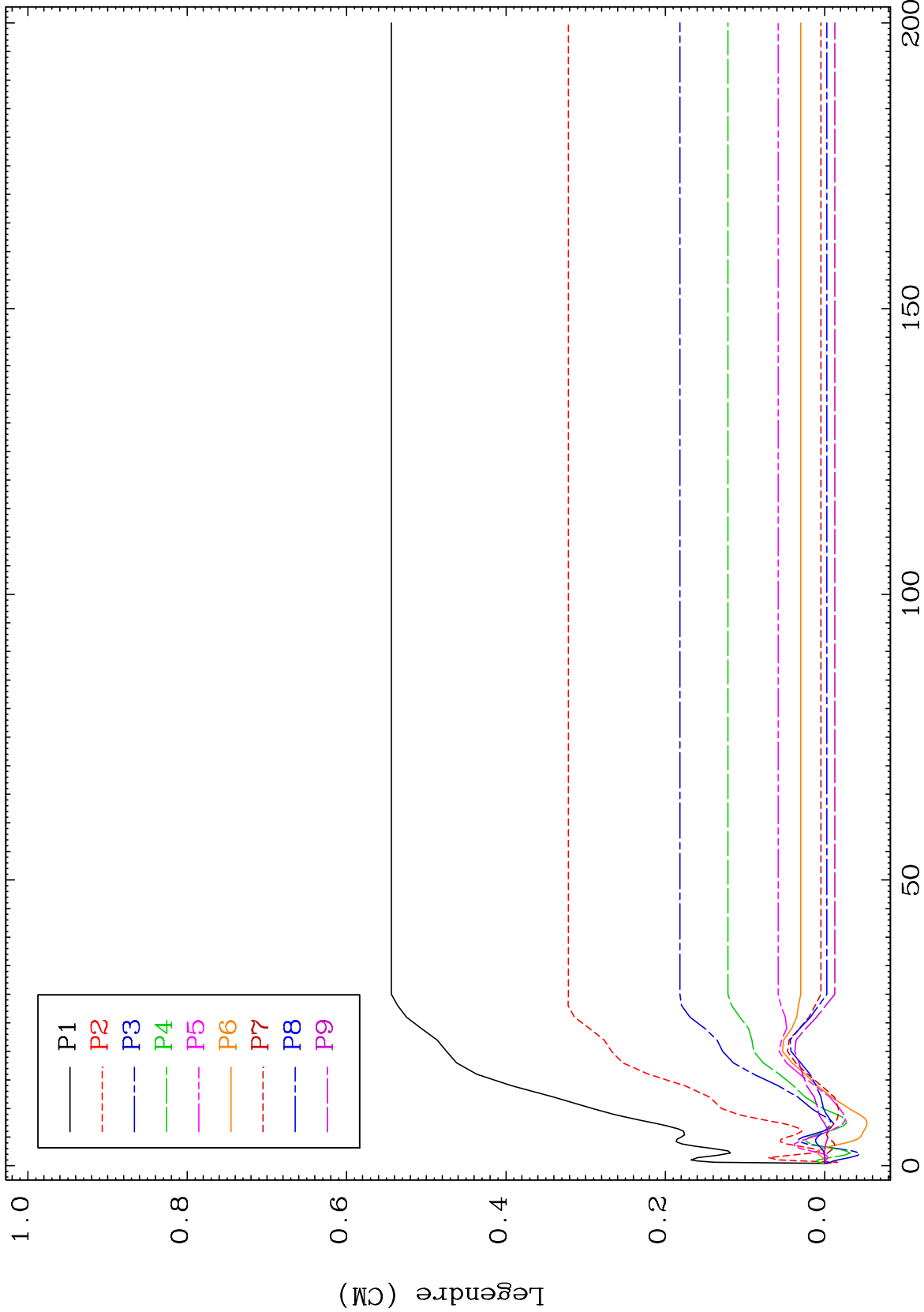
77-Ir-171



MAT 7665

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

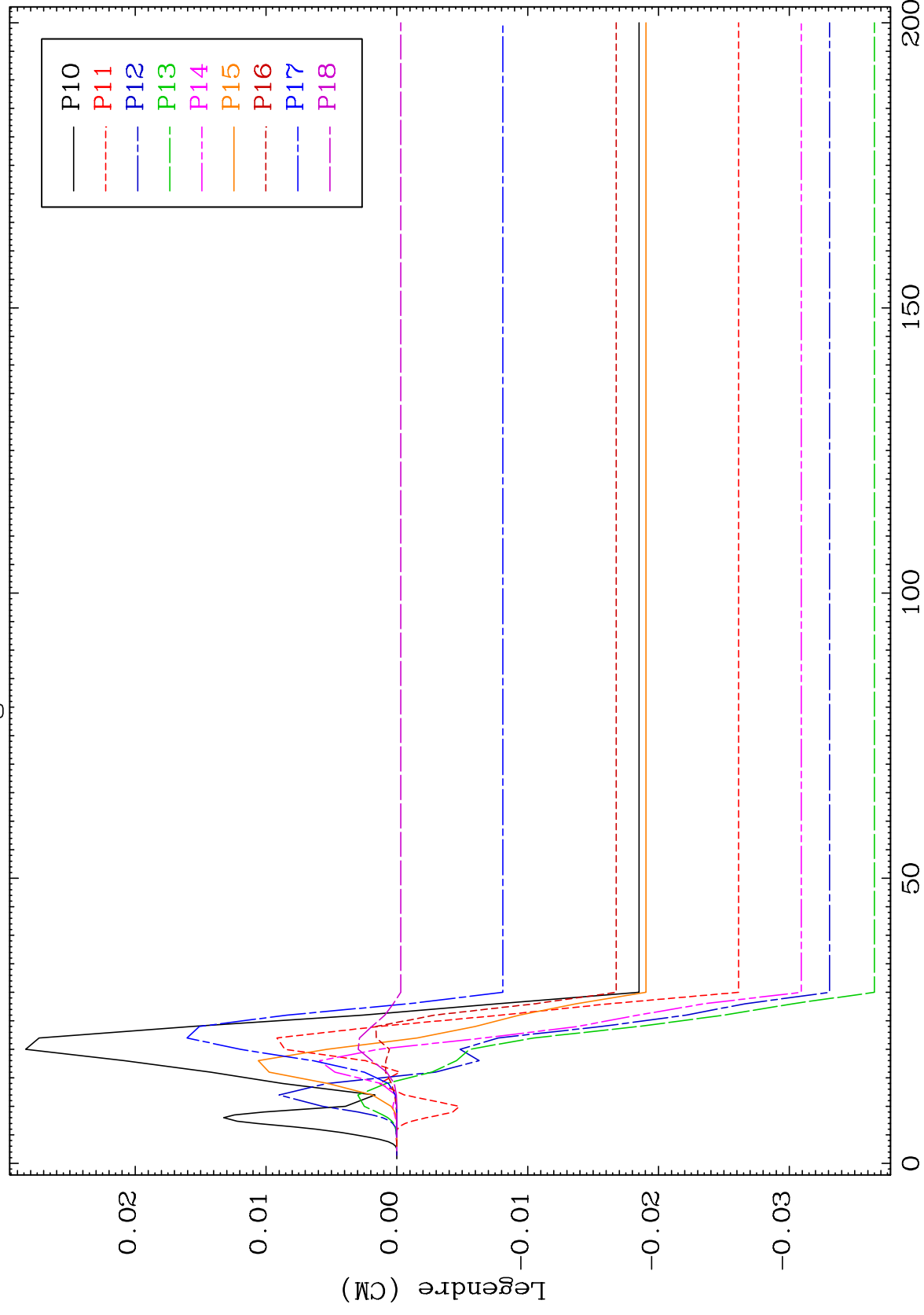
77-Ir-171



MAT 7665

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

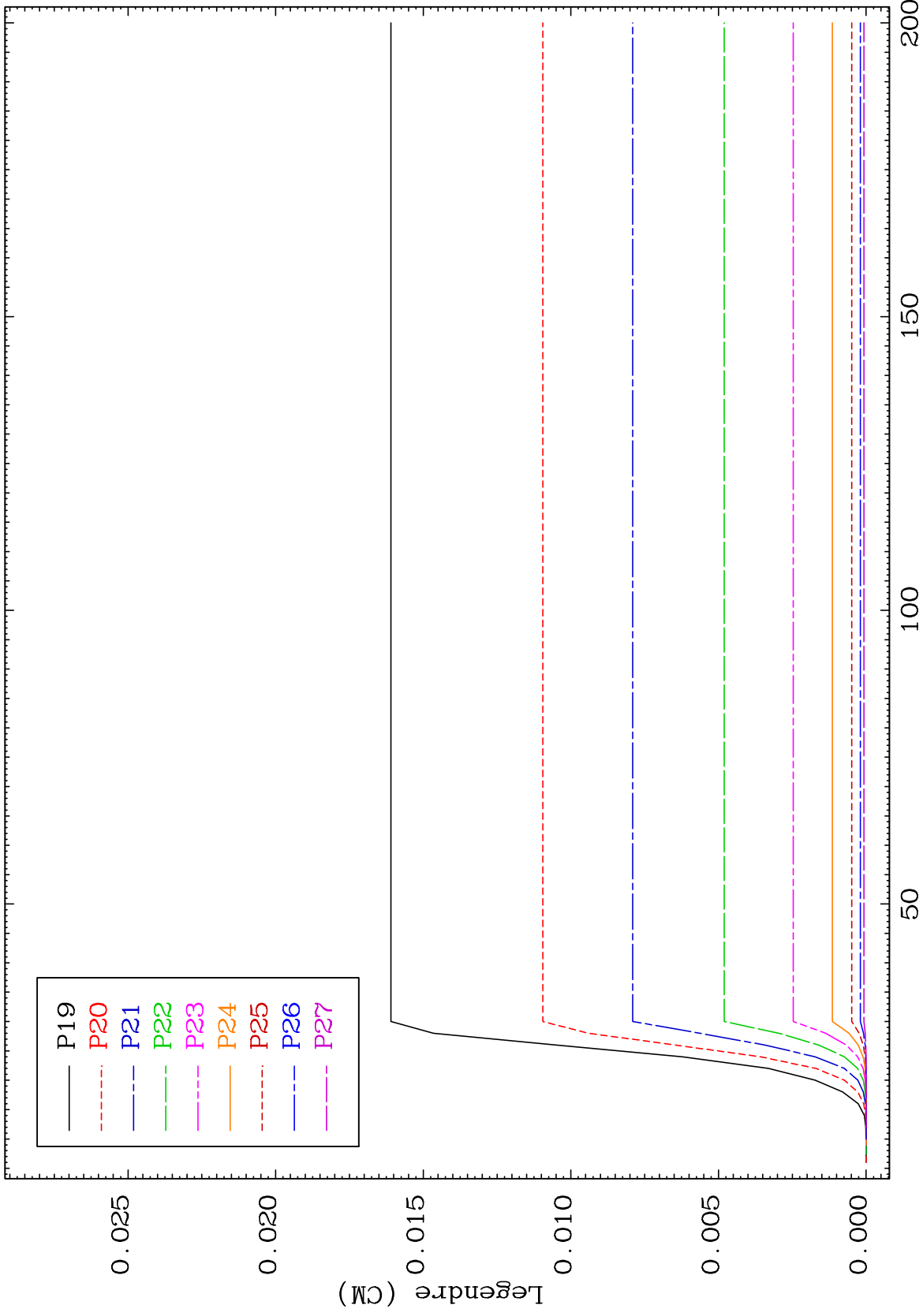
77-Ir-171



42

Incident Energy (MeV)

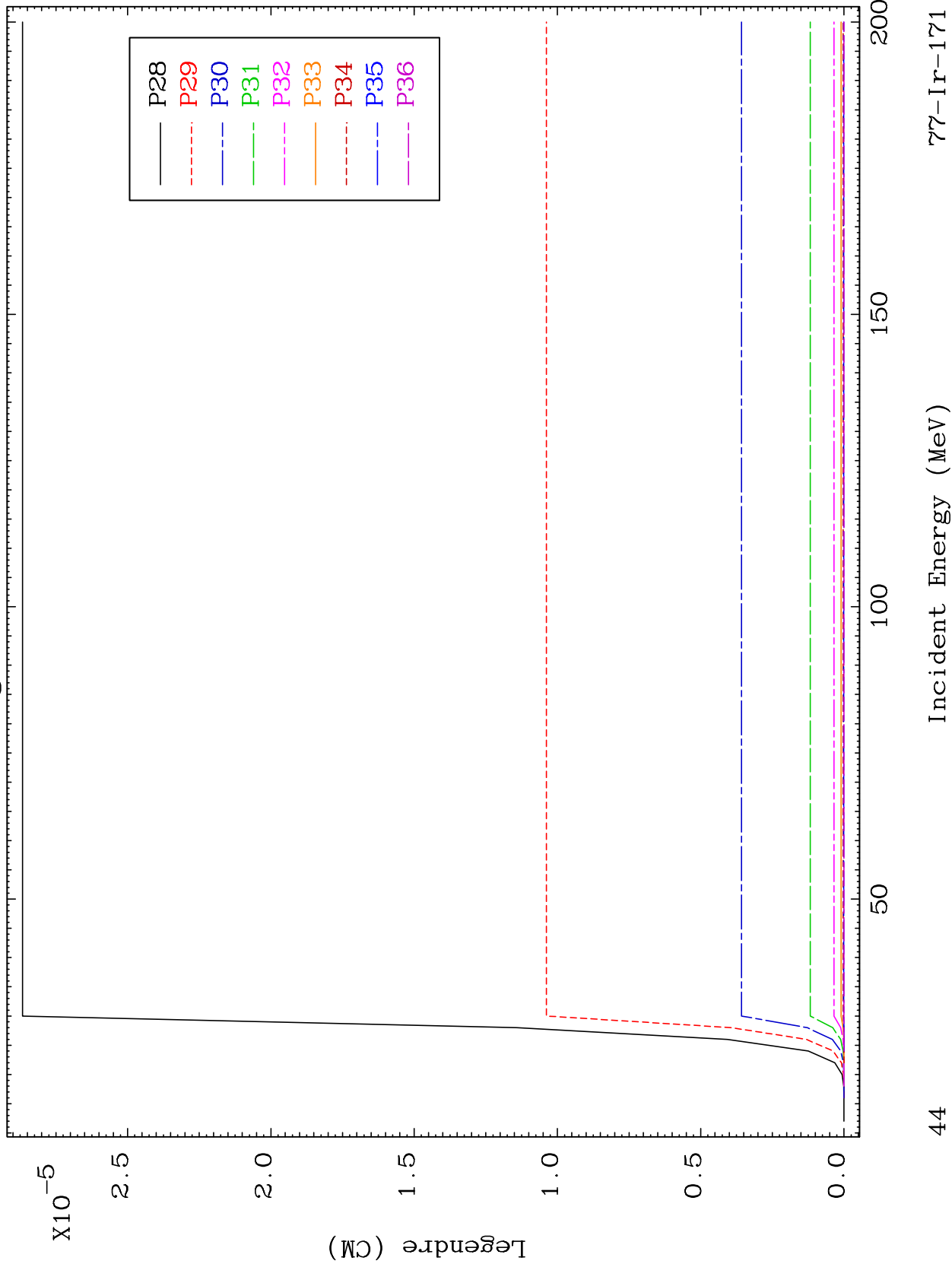
77-Ir-171



MAT 7665

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

77-Ir-171



44

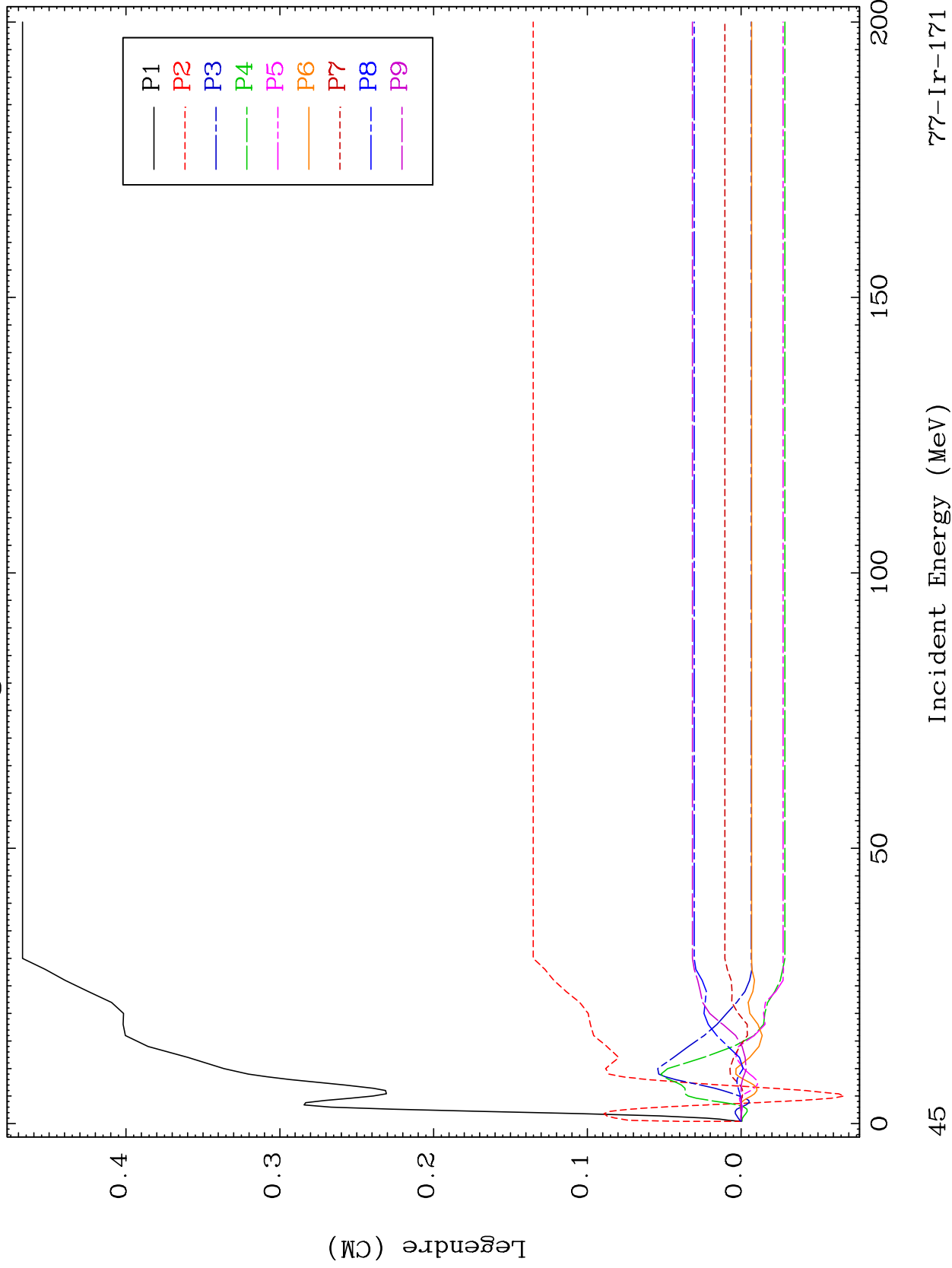
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

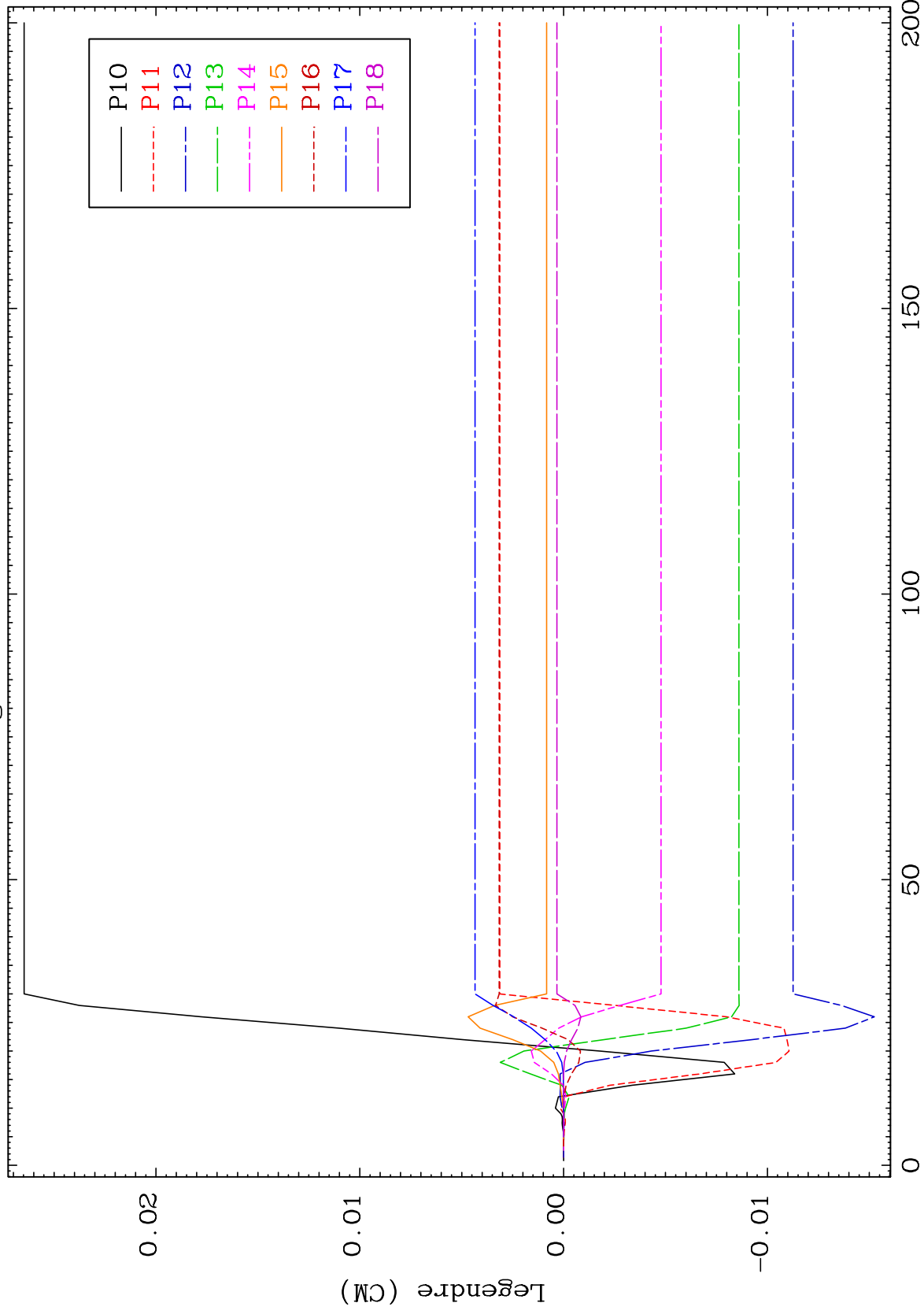
Incident Energy (MeV)

45

MAT 7665

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

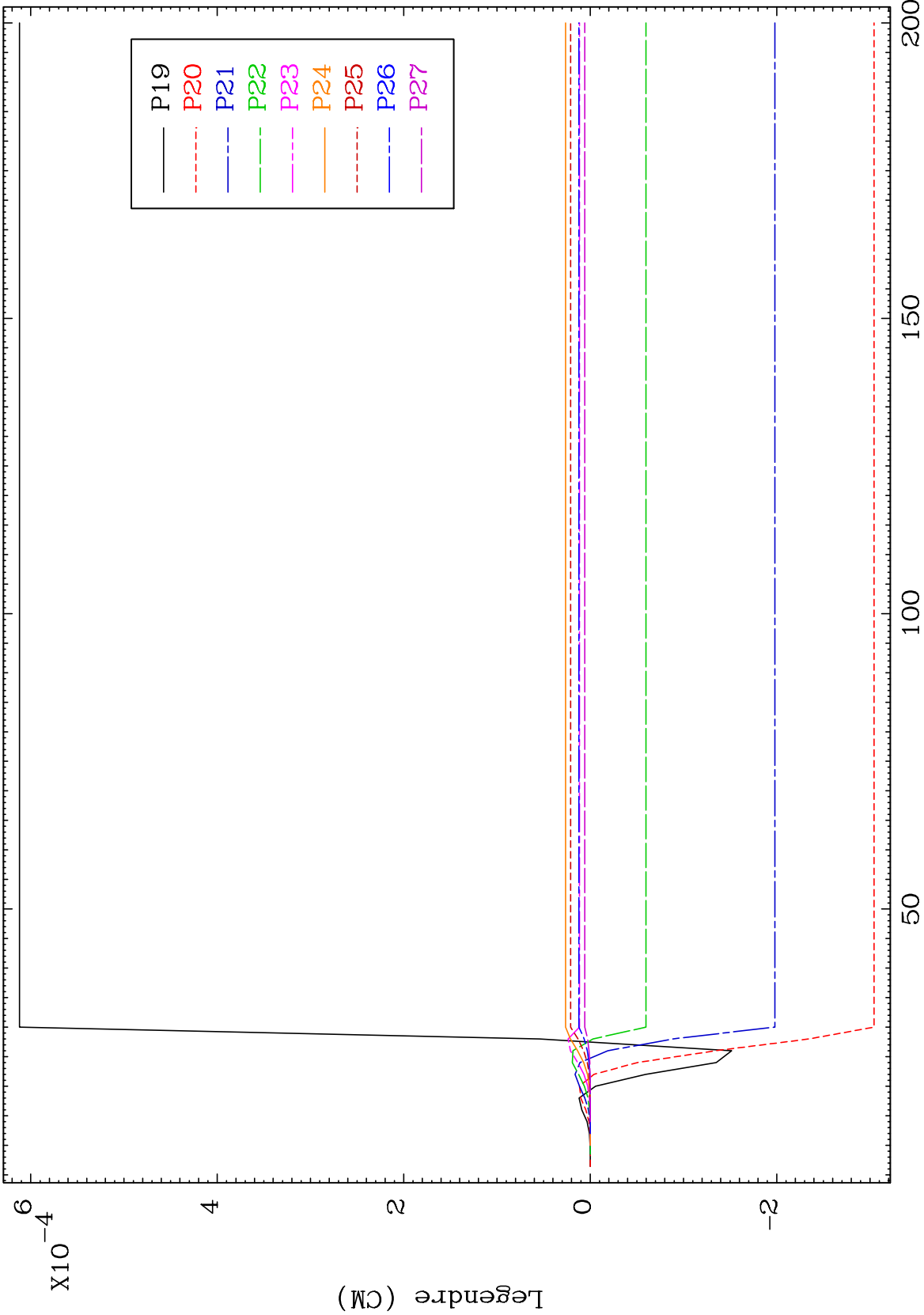
77-Ir-171



46

Incident Energy (MeV)

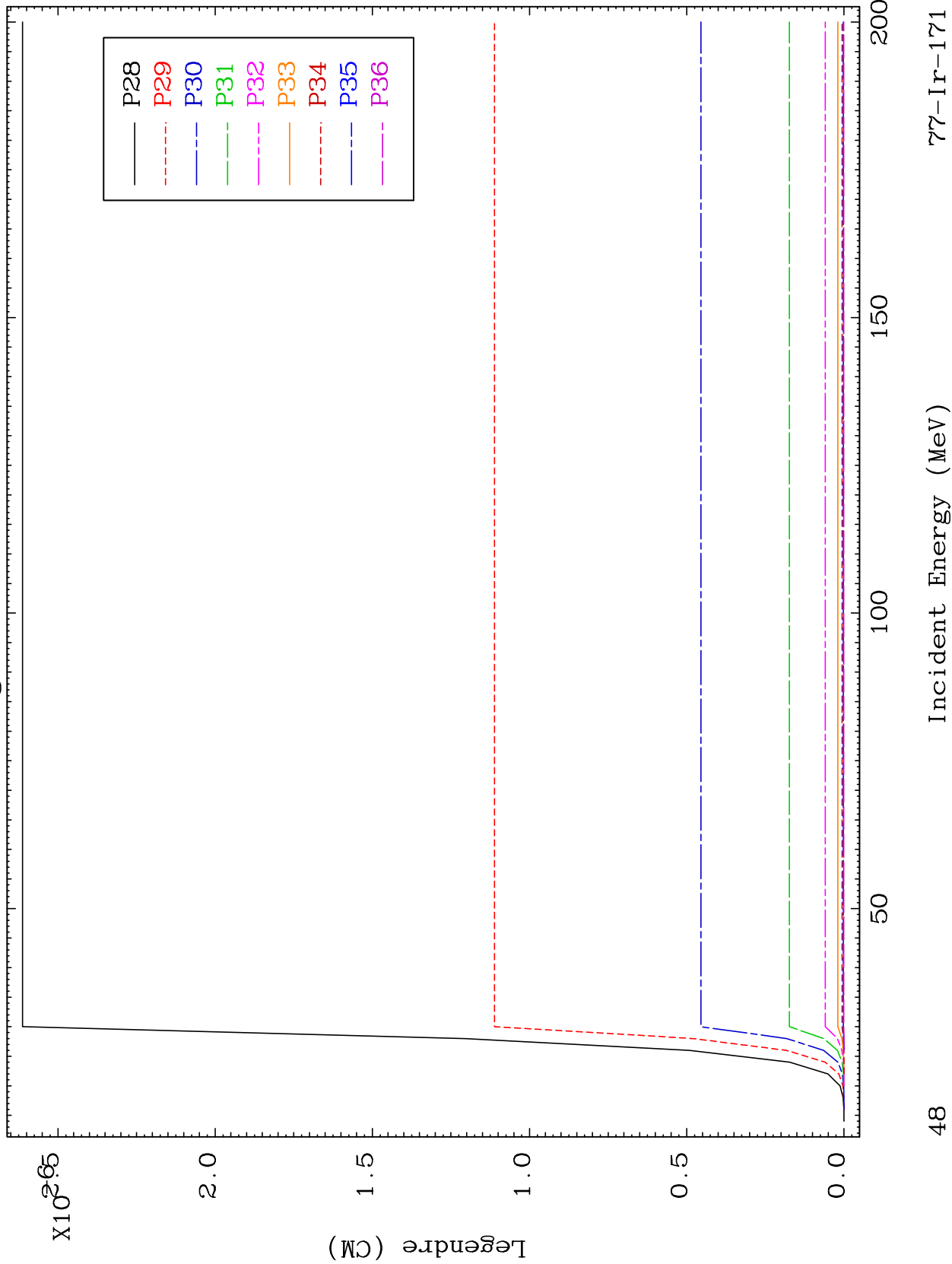
77-Ir-171



MAT 7665

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

77-Ir-171



48

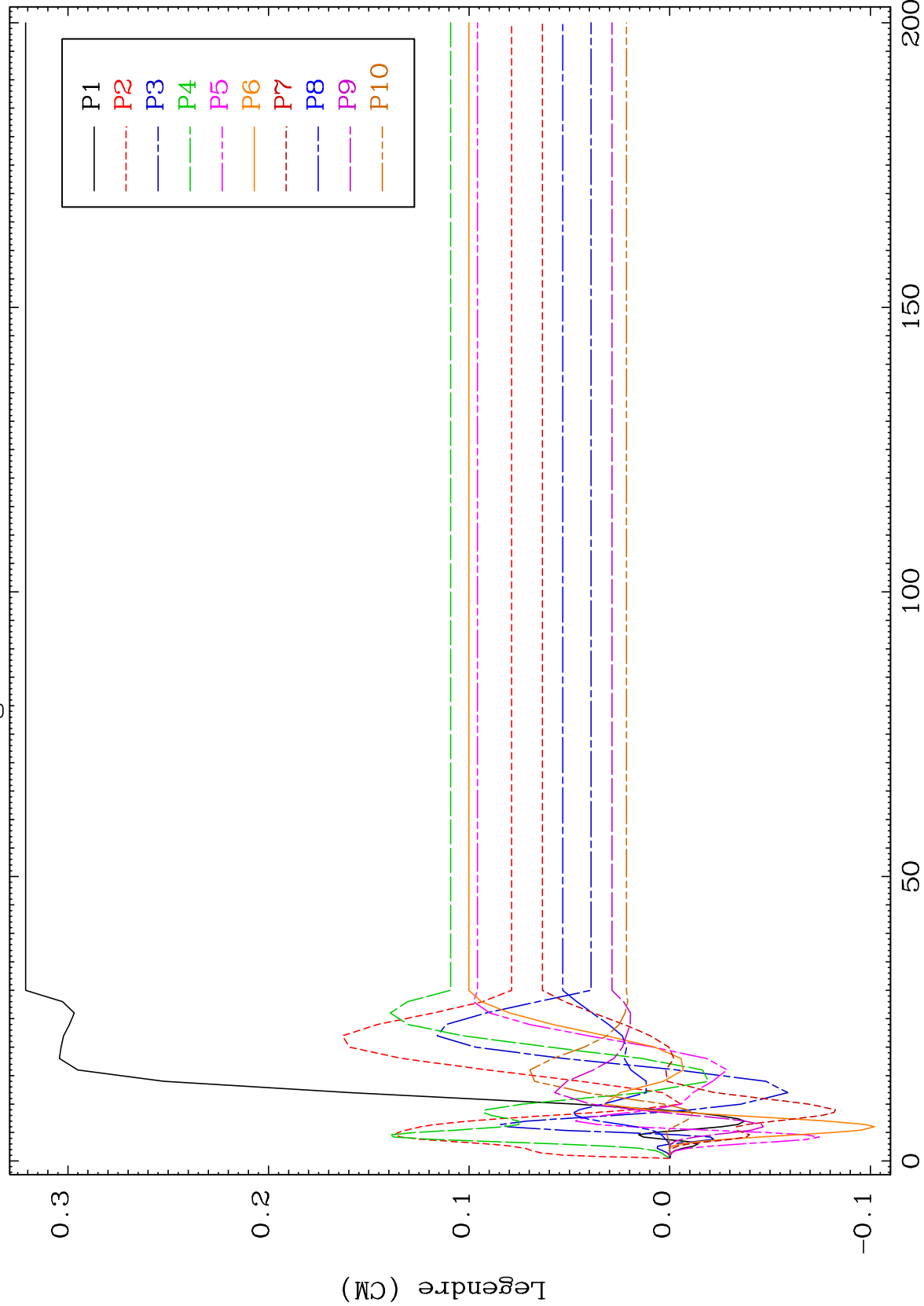
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

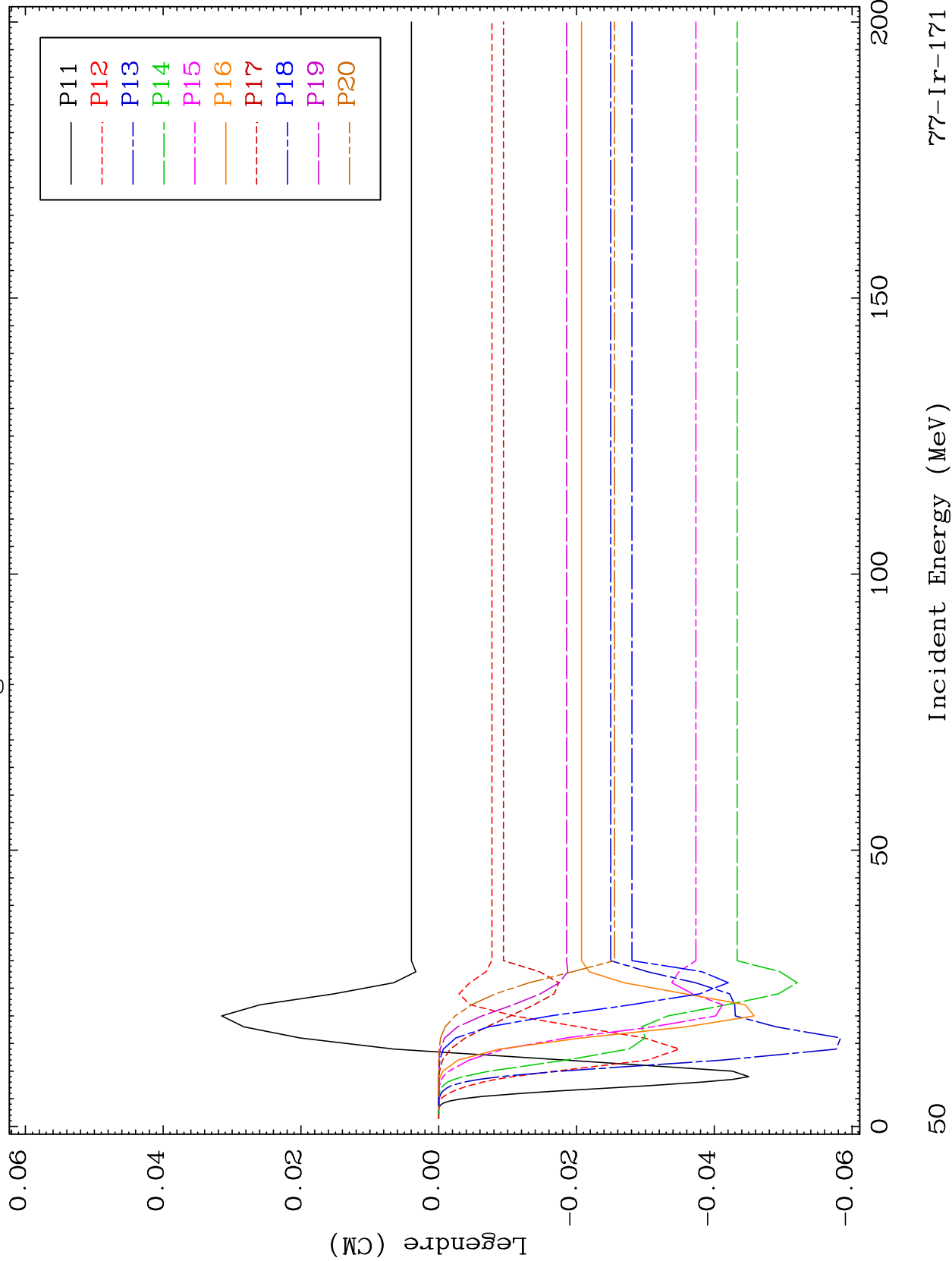
Incident Energy (MeV)

49

MAT 7665

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

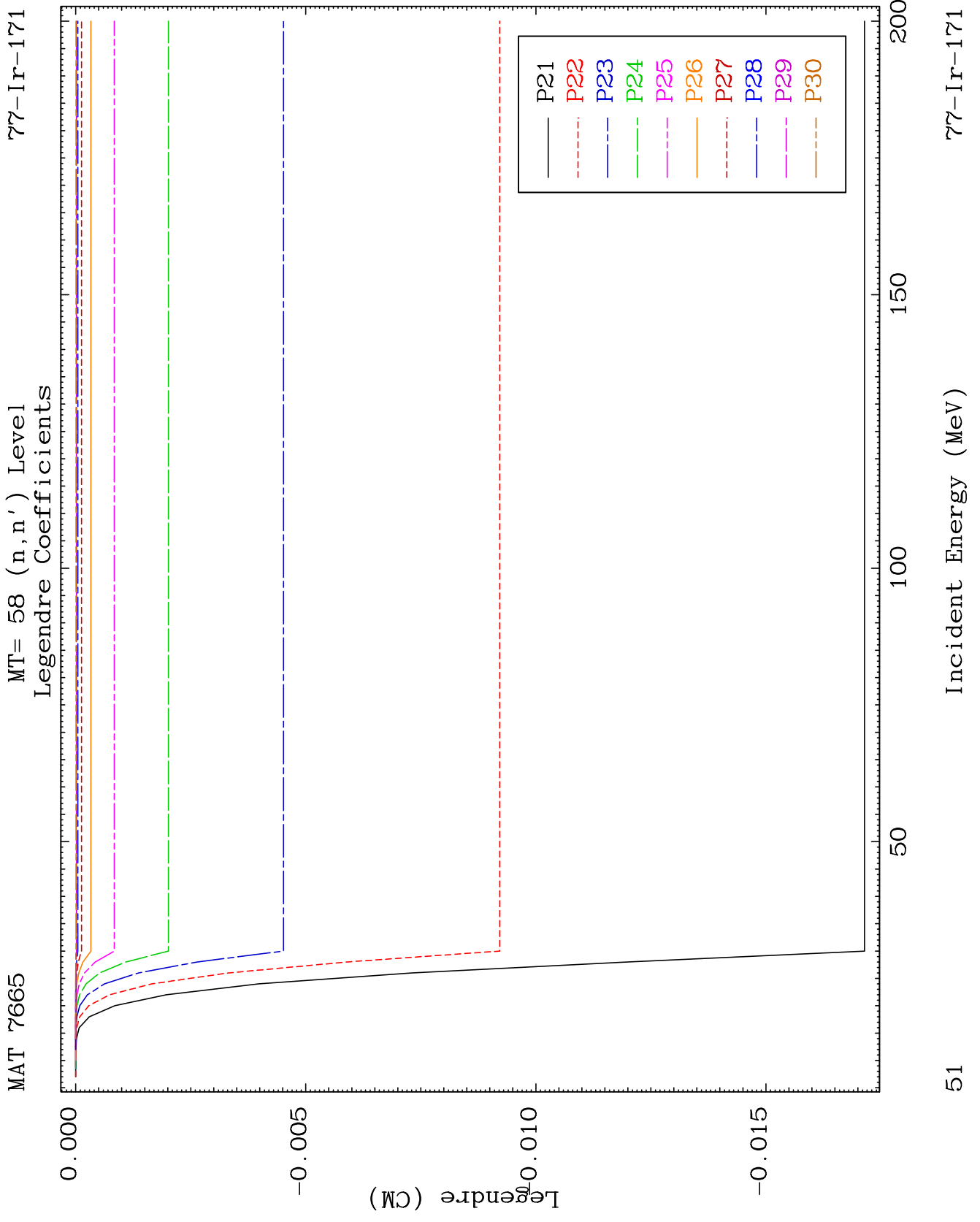
77-Ir-171

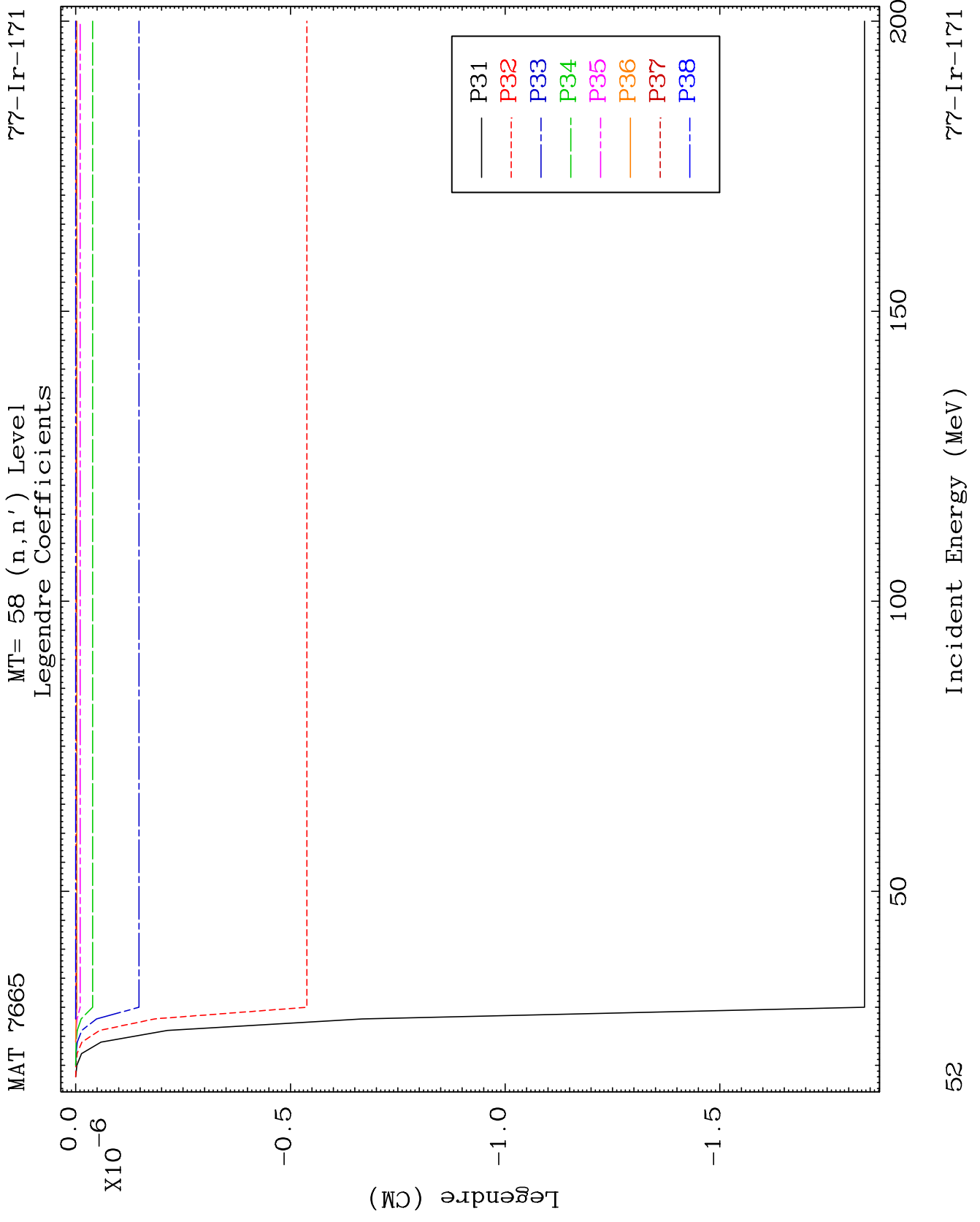


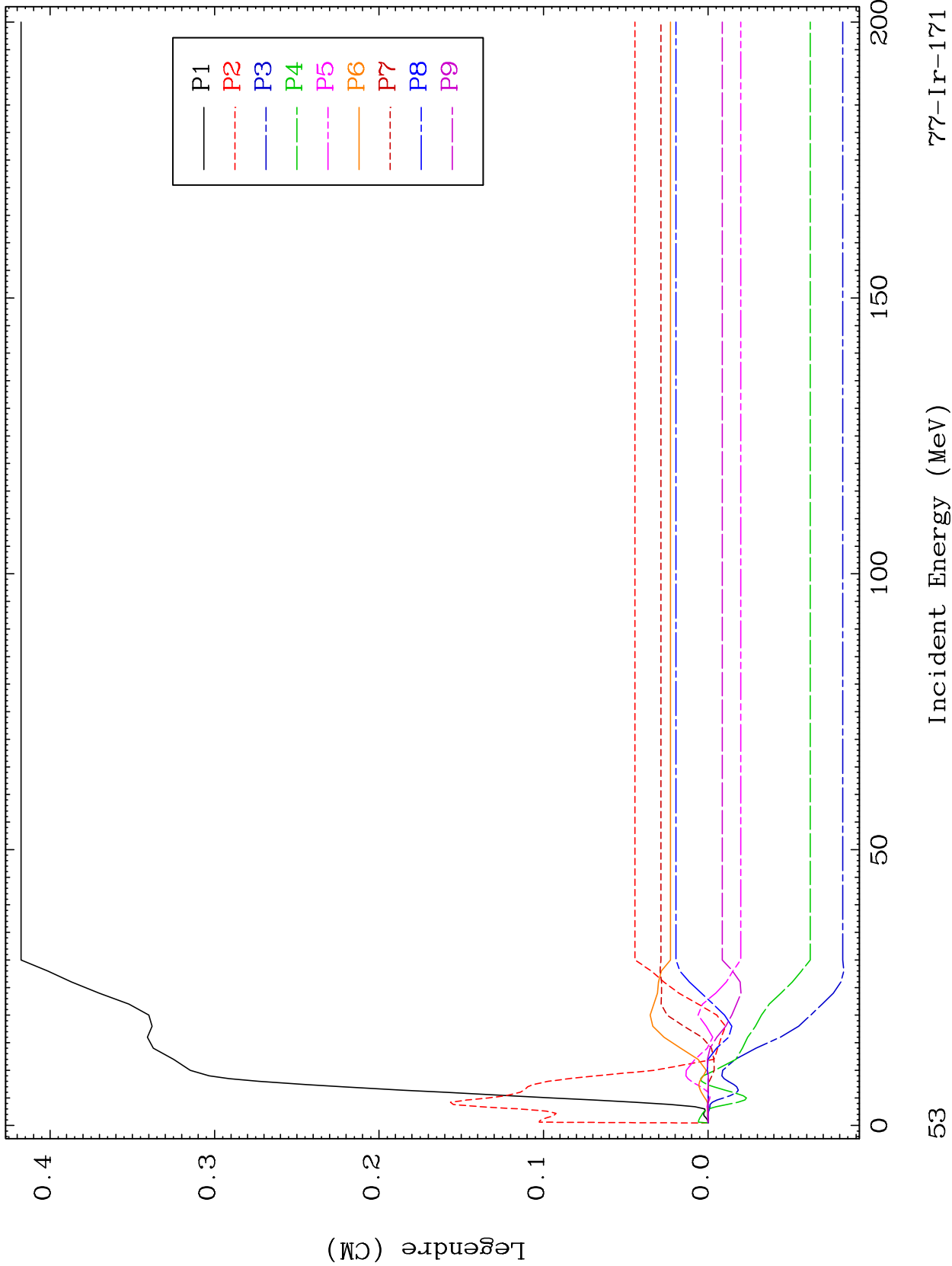
77-Ir-171

Incident Energy (MeV)

50



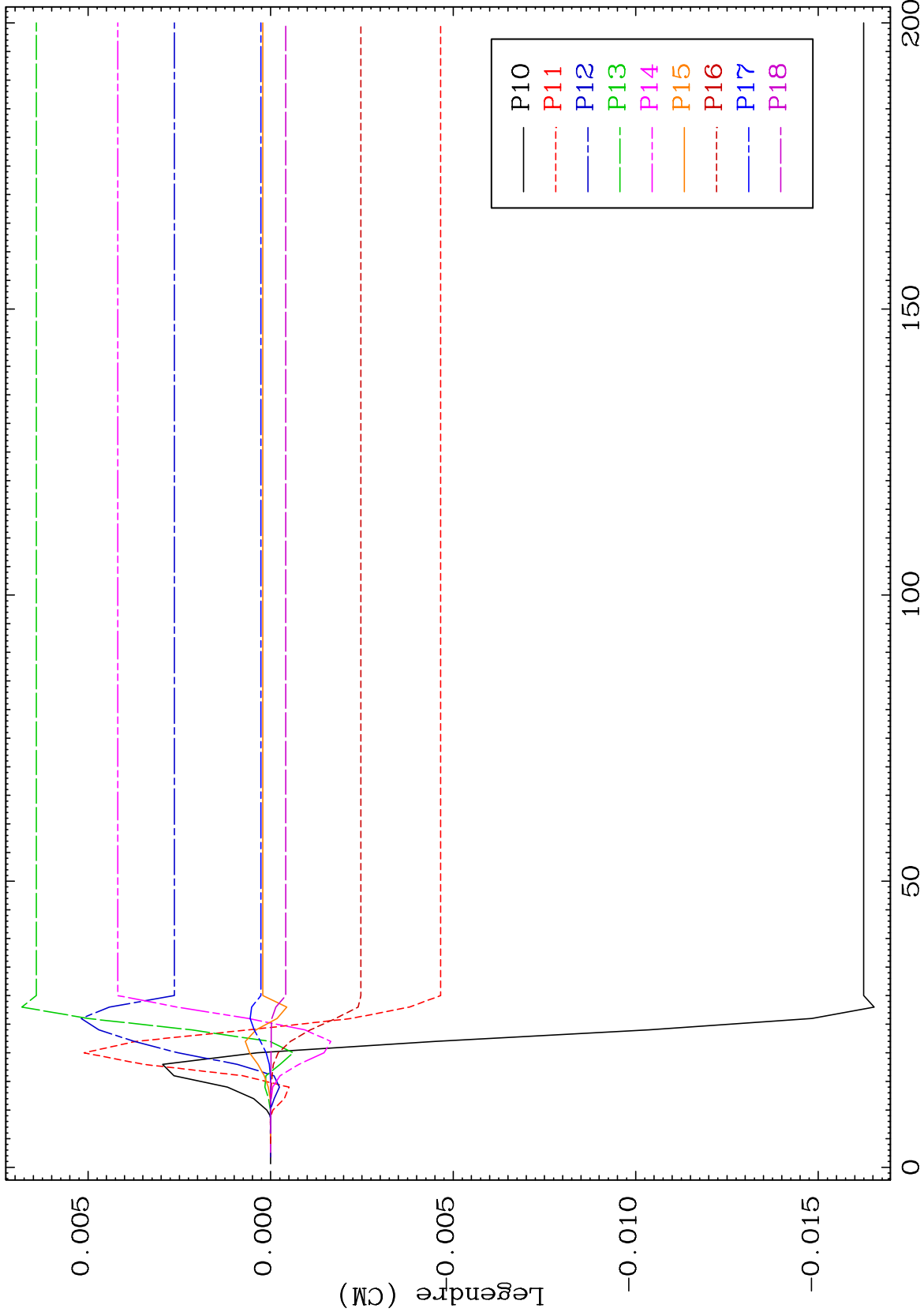




MAT 7665

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

77-Ir-171



54

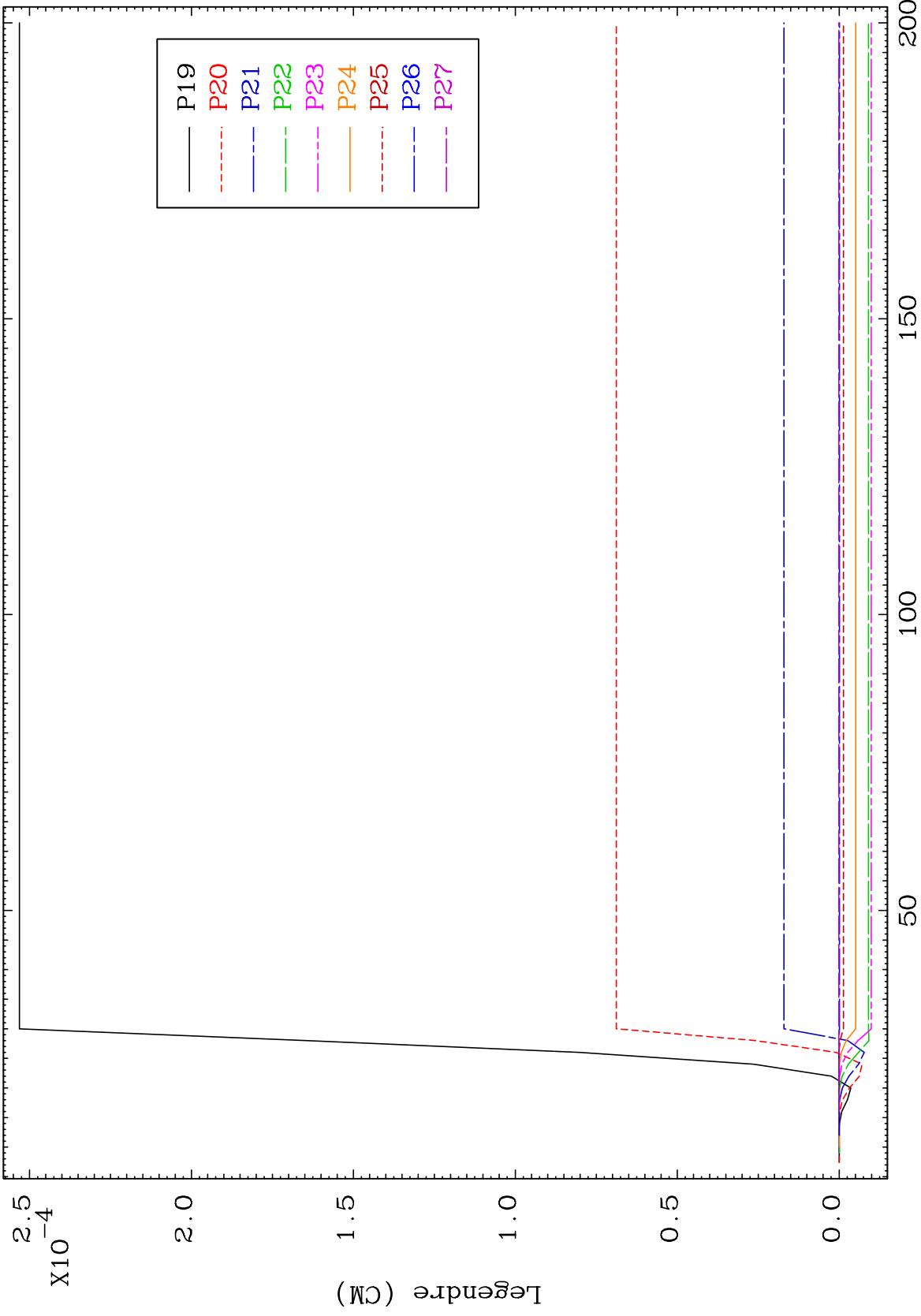
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



55

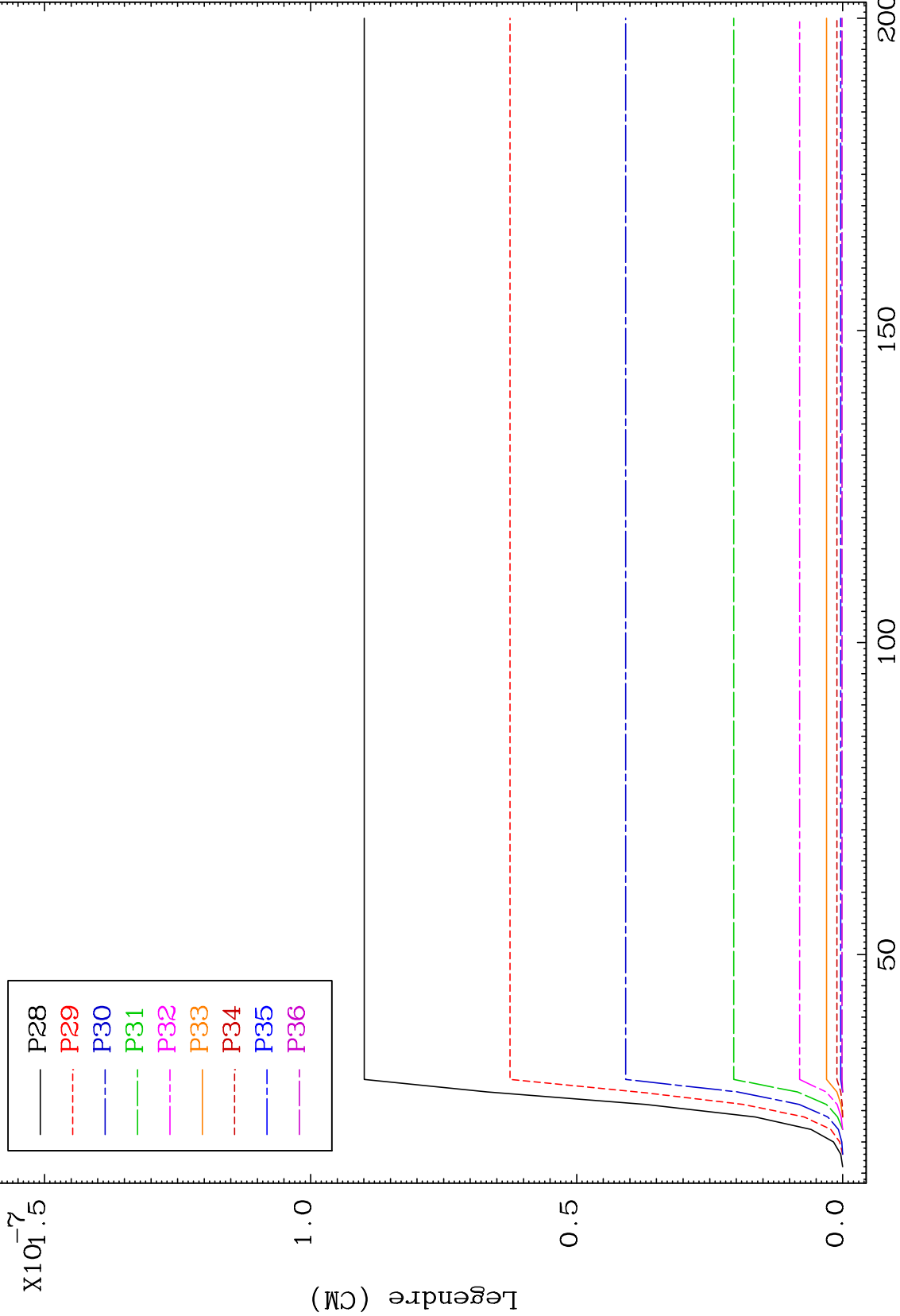
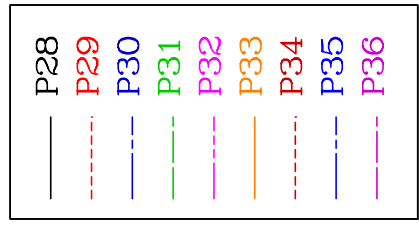
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

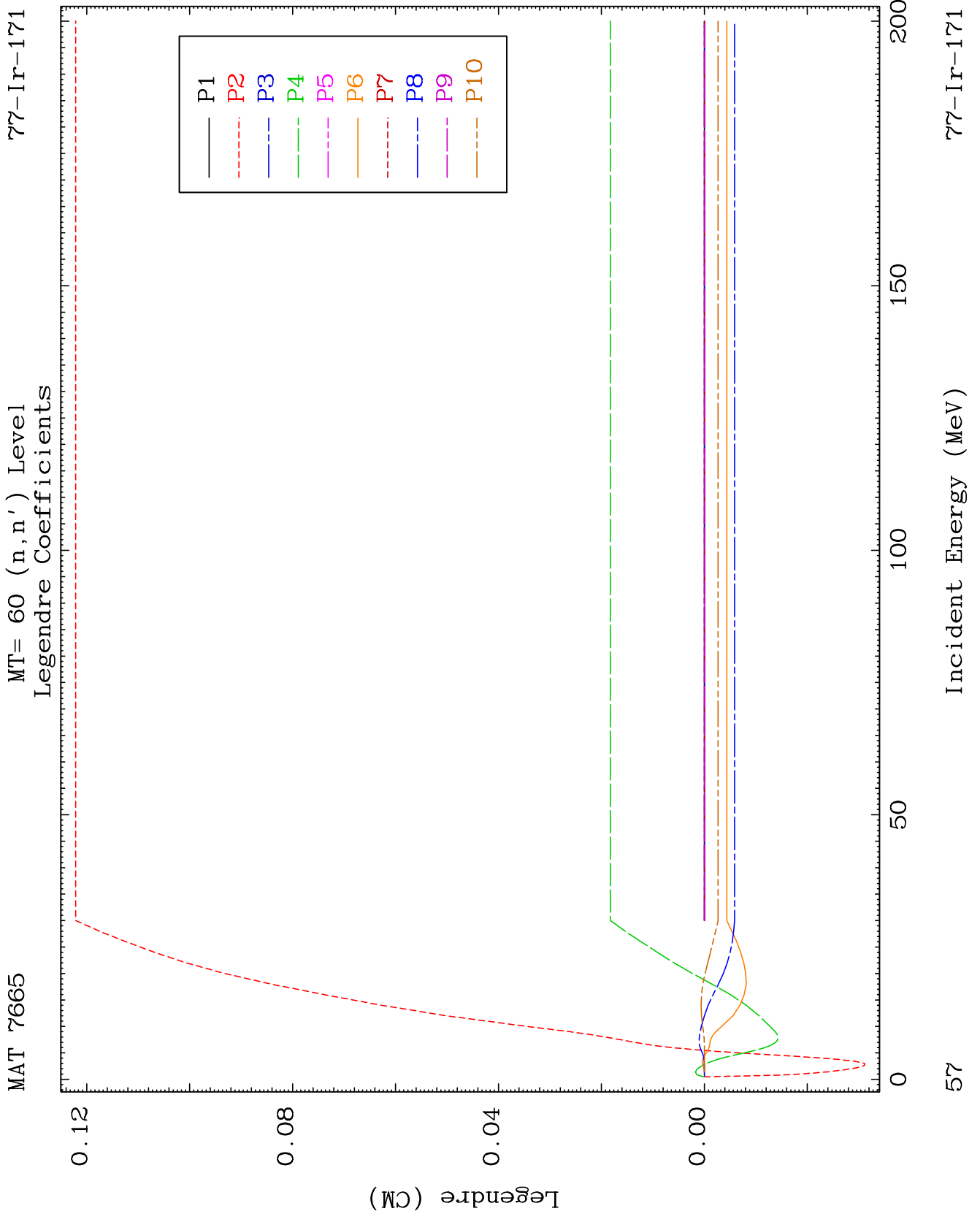
77-Ir-171



56

Incident Energy (MeV)

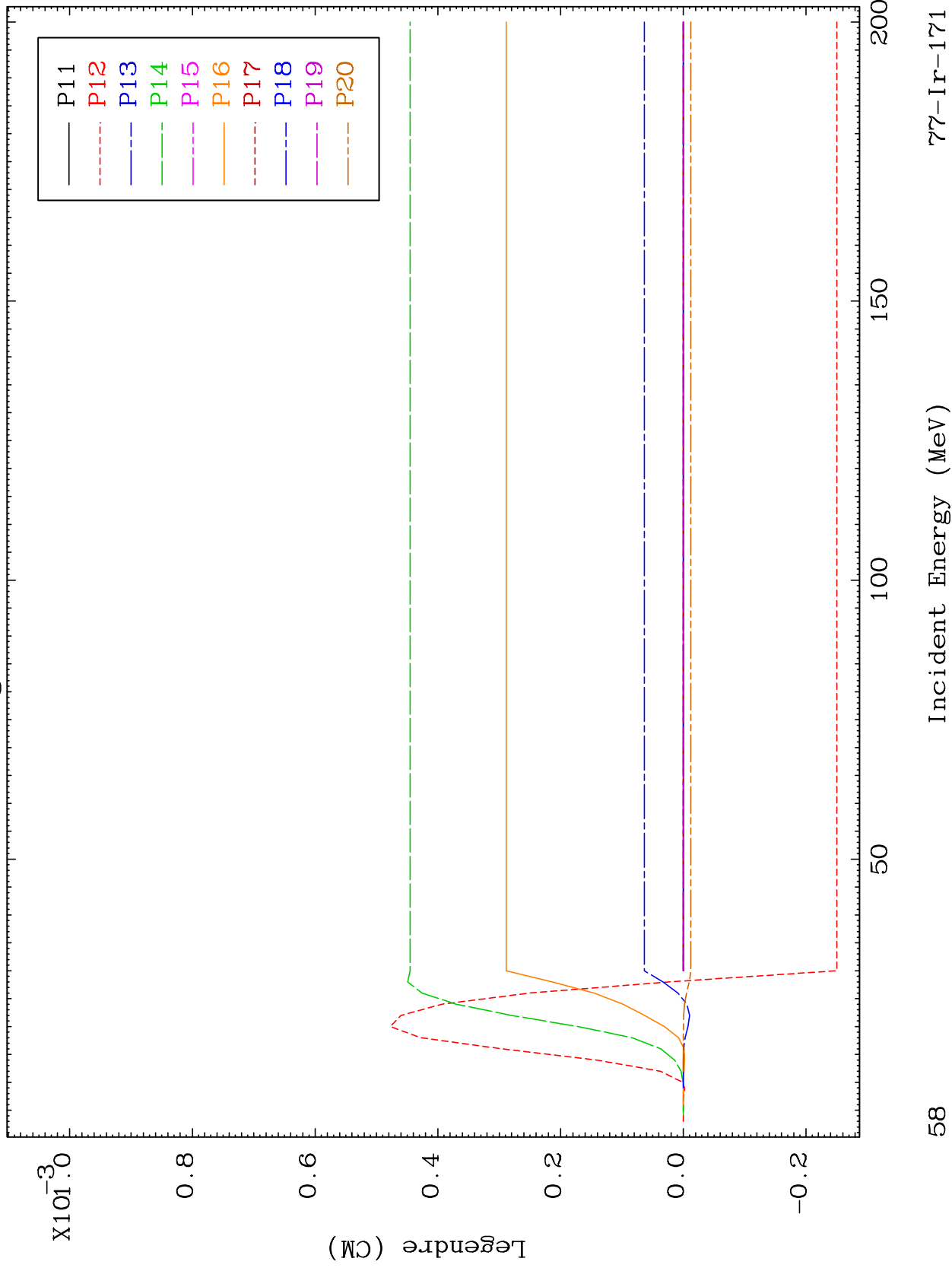
77-Ir-171



MAT 7665

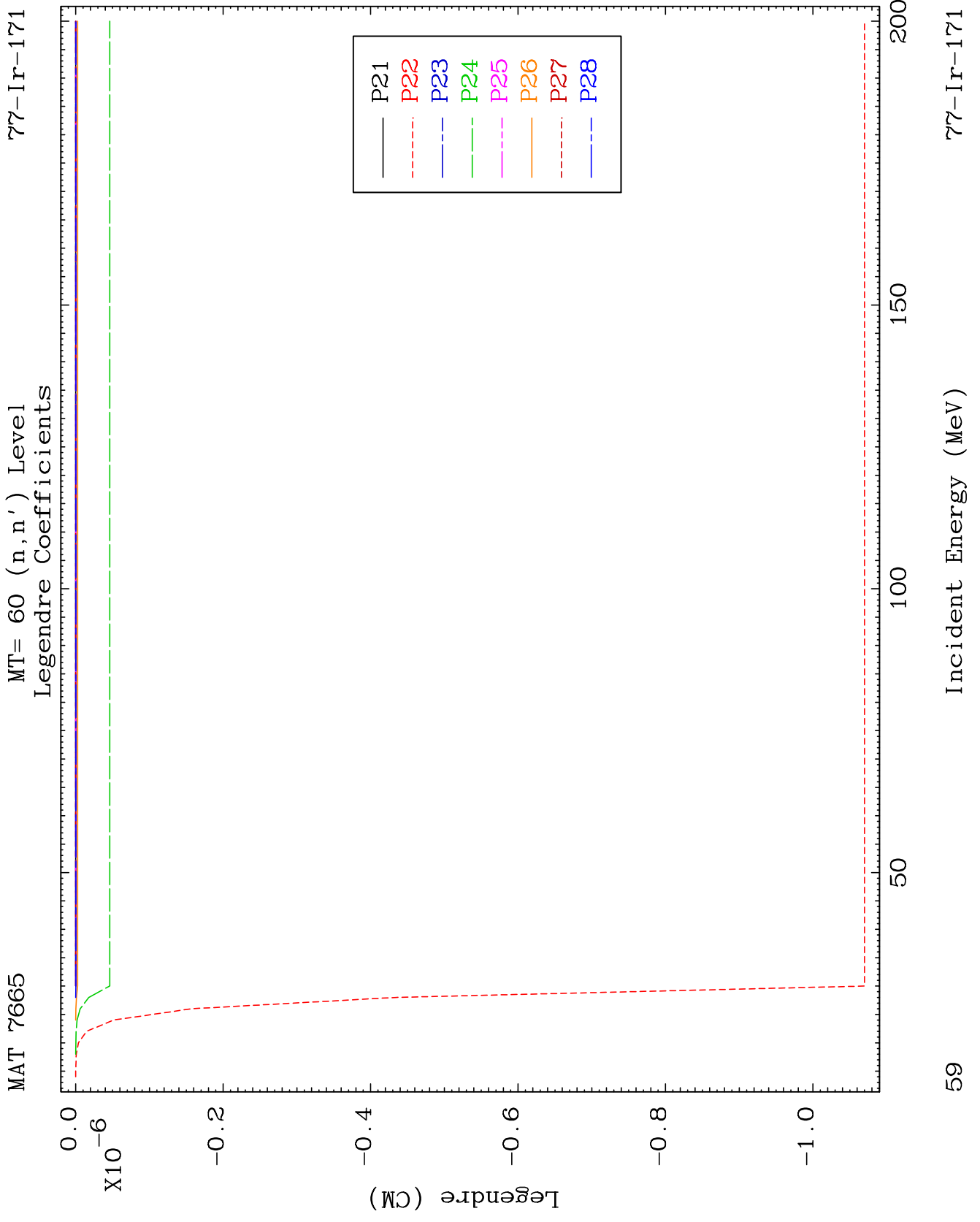
MT= 60 (n,n') Level
Legendre Coefficients

77-Ir-171



58

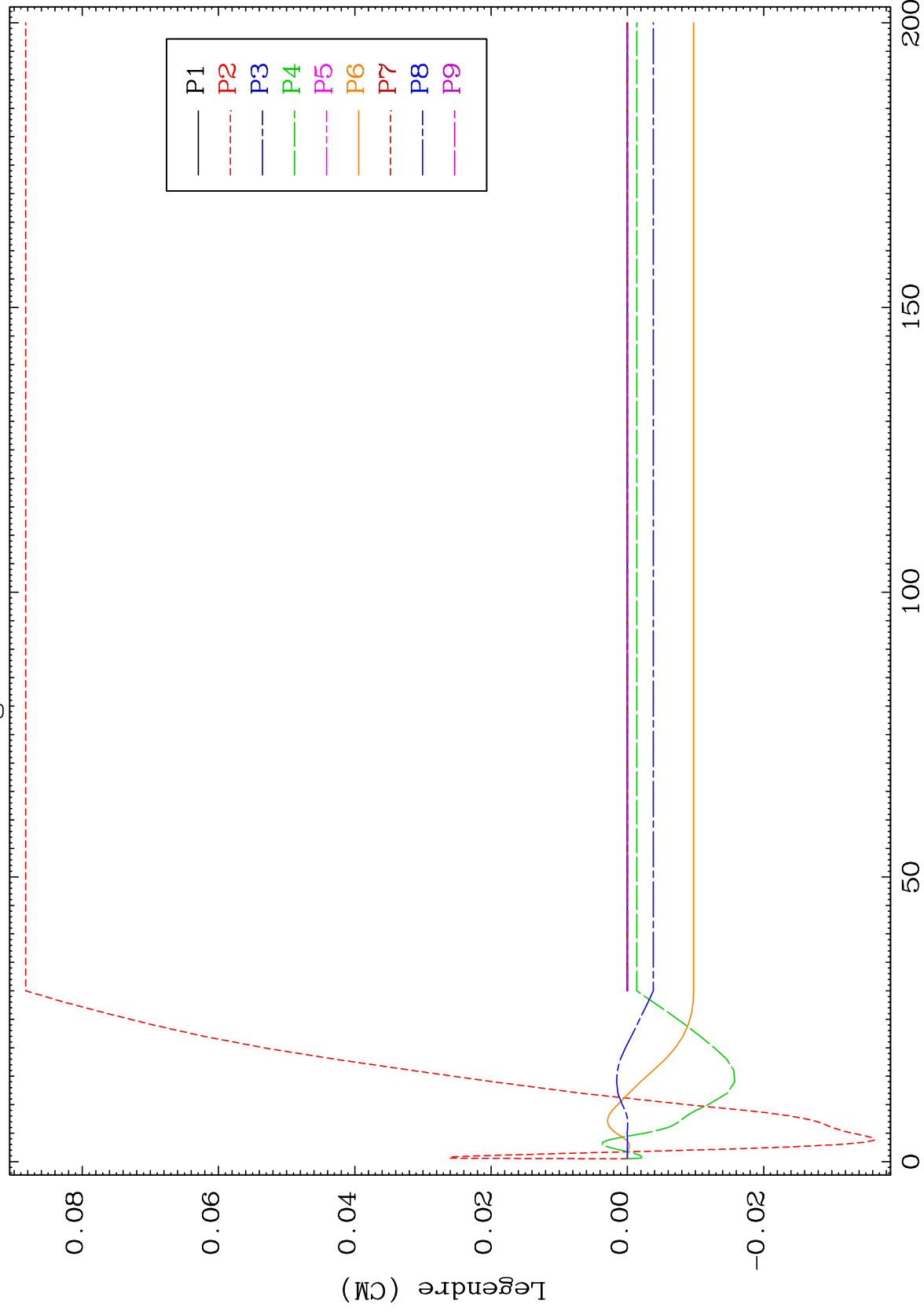
77-Ir-171



MAT 7665

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

⁷⁷Ir-171



⁷⁷Ir-171

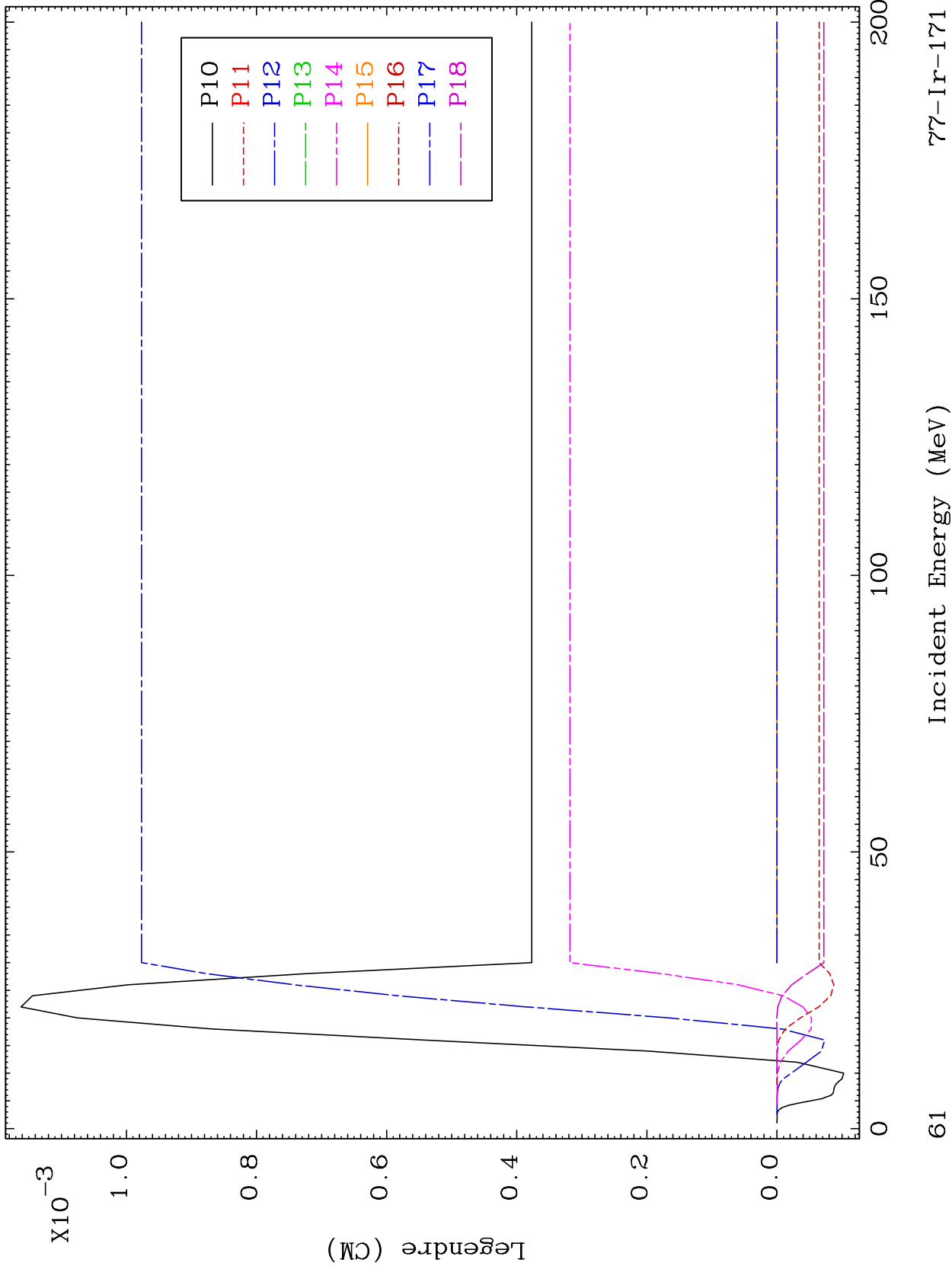
Incident Energy (MeV)

60

MAT 7665

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

77-Ir-171



77-Ir-171

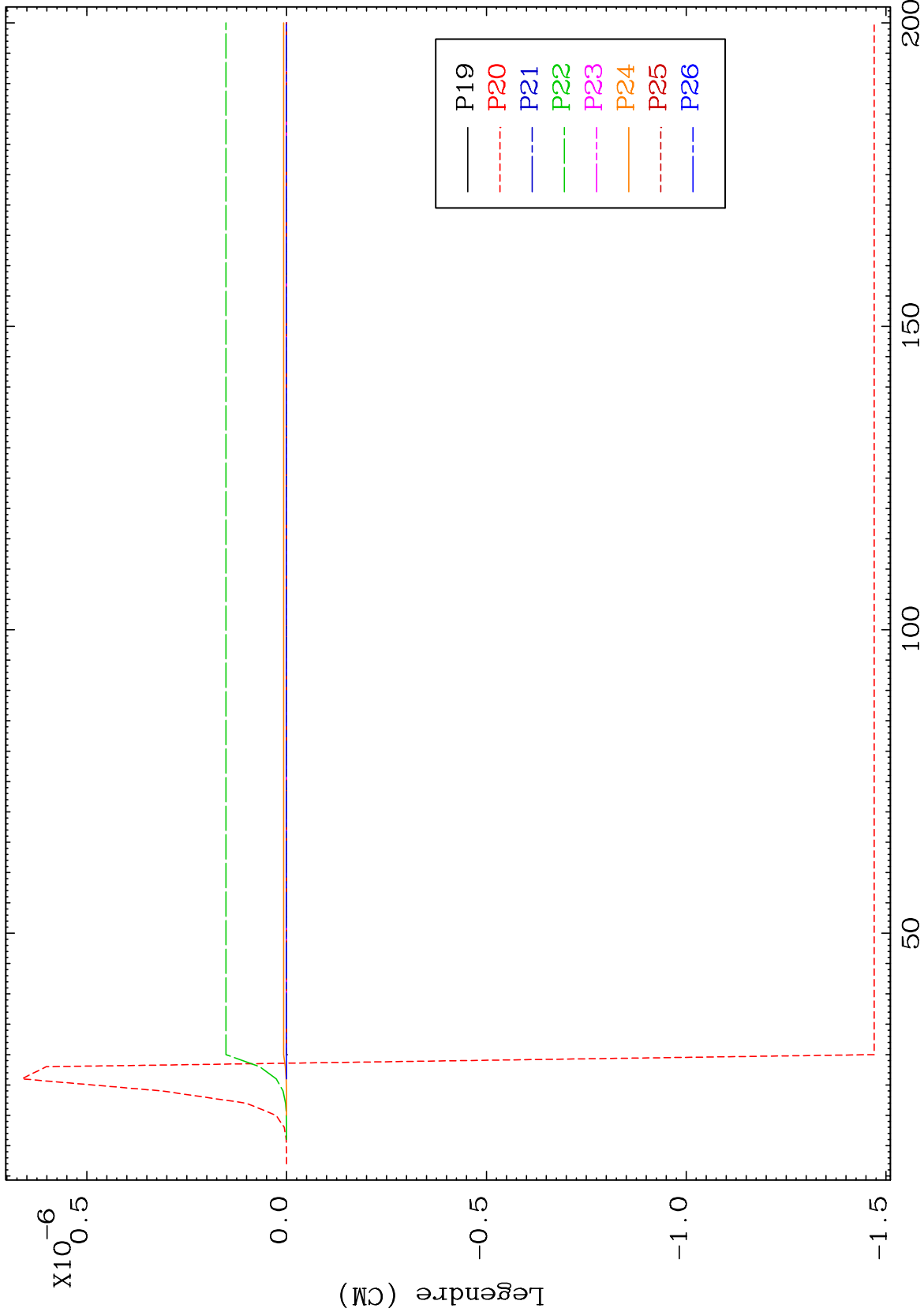
Incident Energy (MeV)

61

MAT 7665

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

77-Ir-171



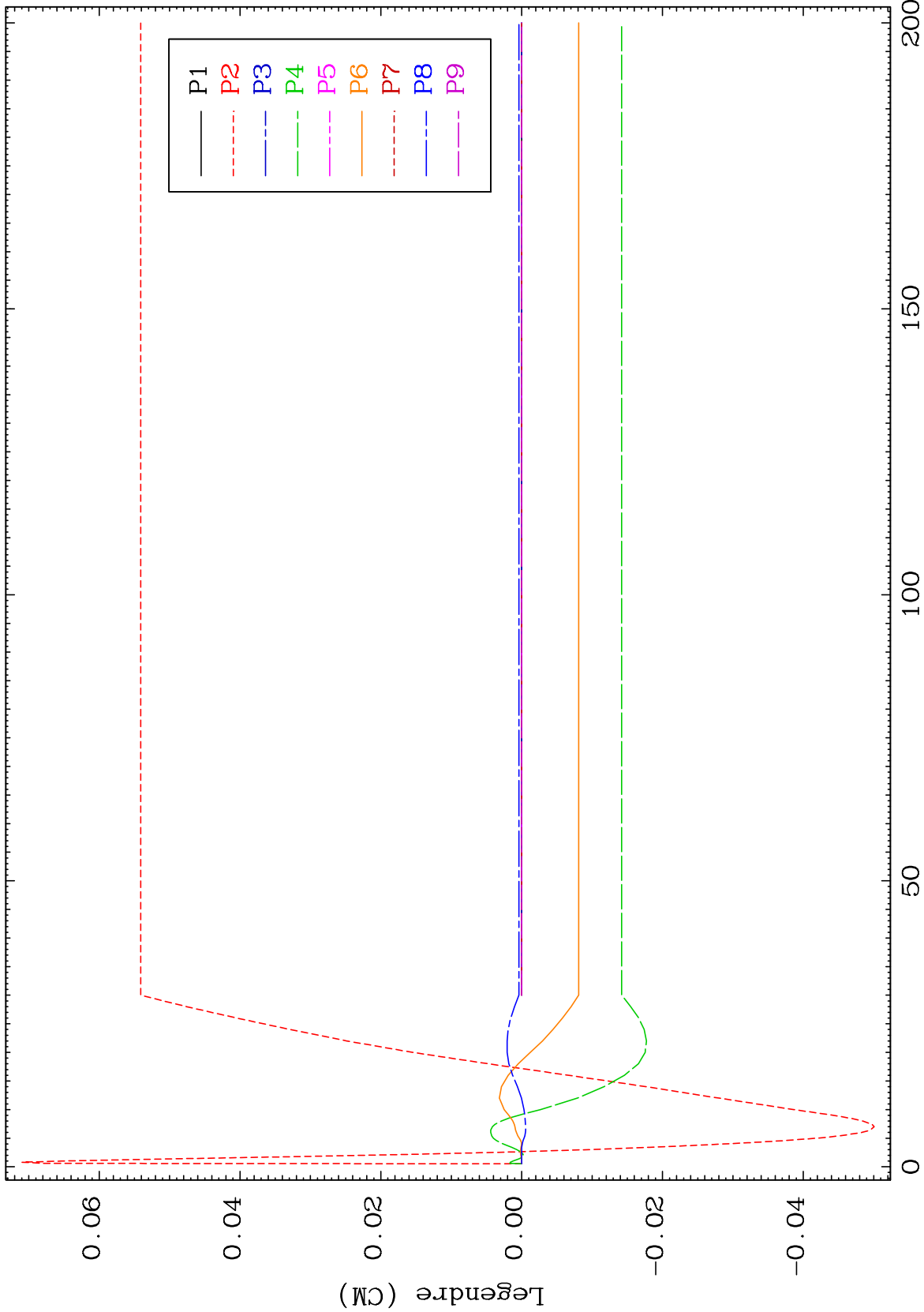
62

77-Ir-171

MAT 7665

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

77-Ir-171



63

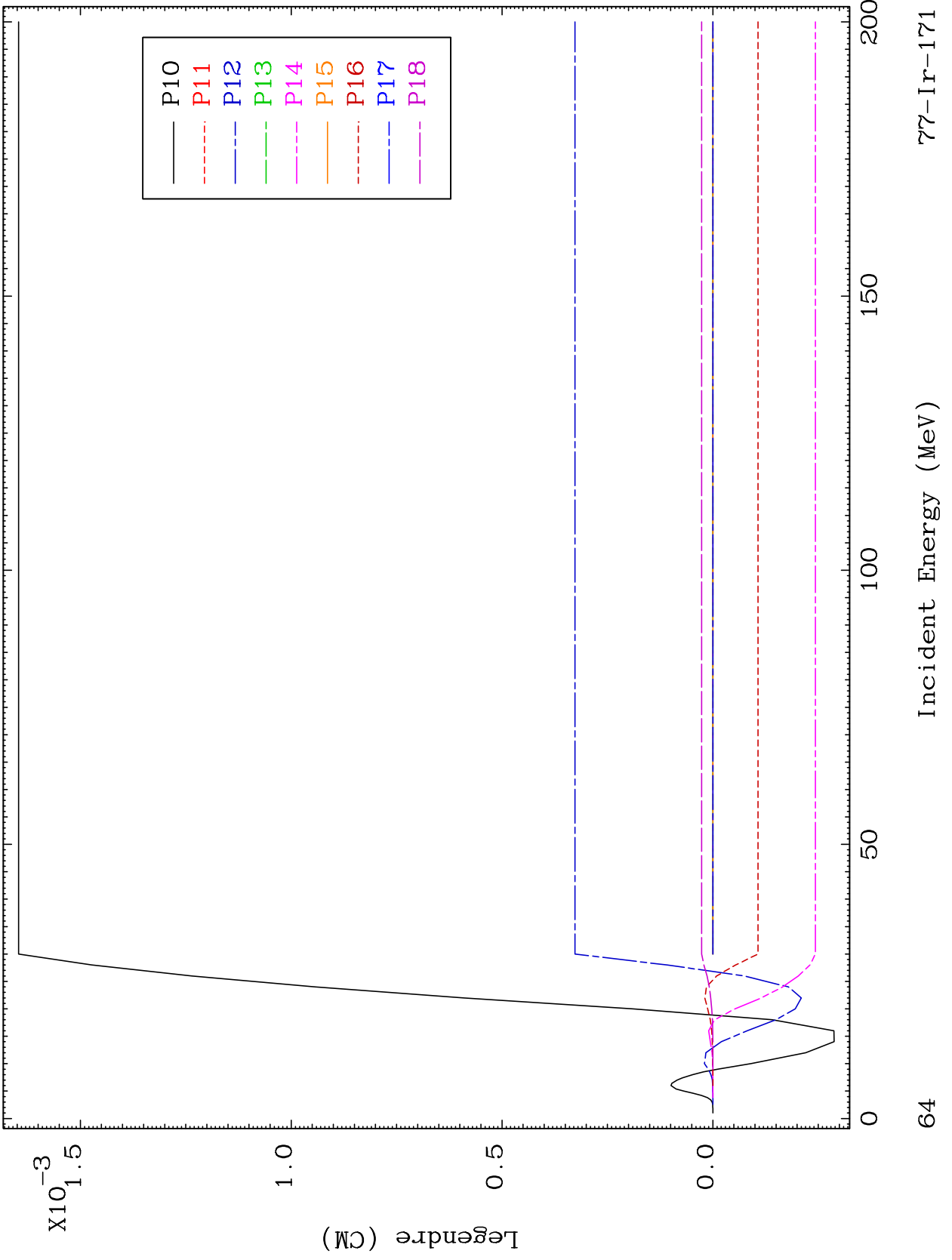
Incident Energy (MeV)

77-Ir-171

MAT 7665

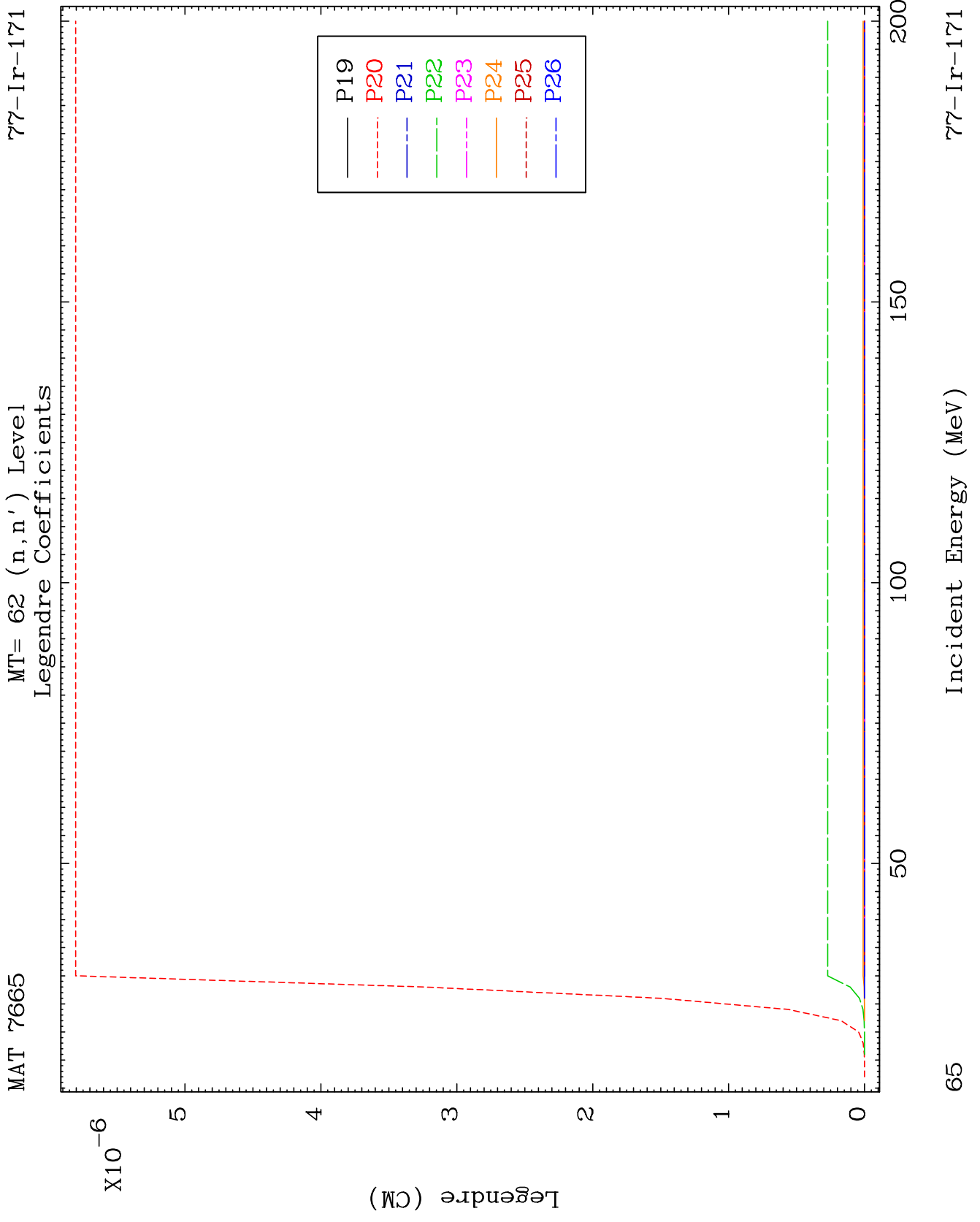
MT= 62 (n,n') Level
Legendre Coefficients

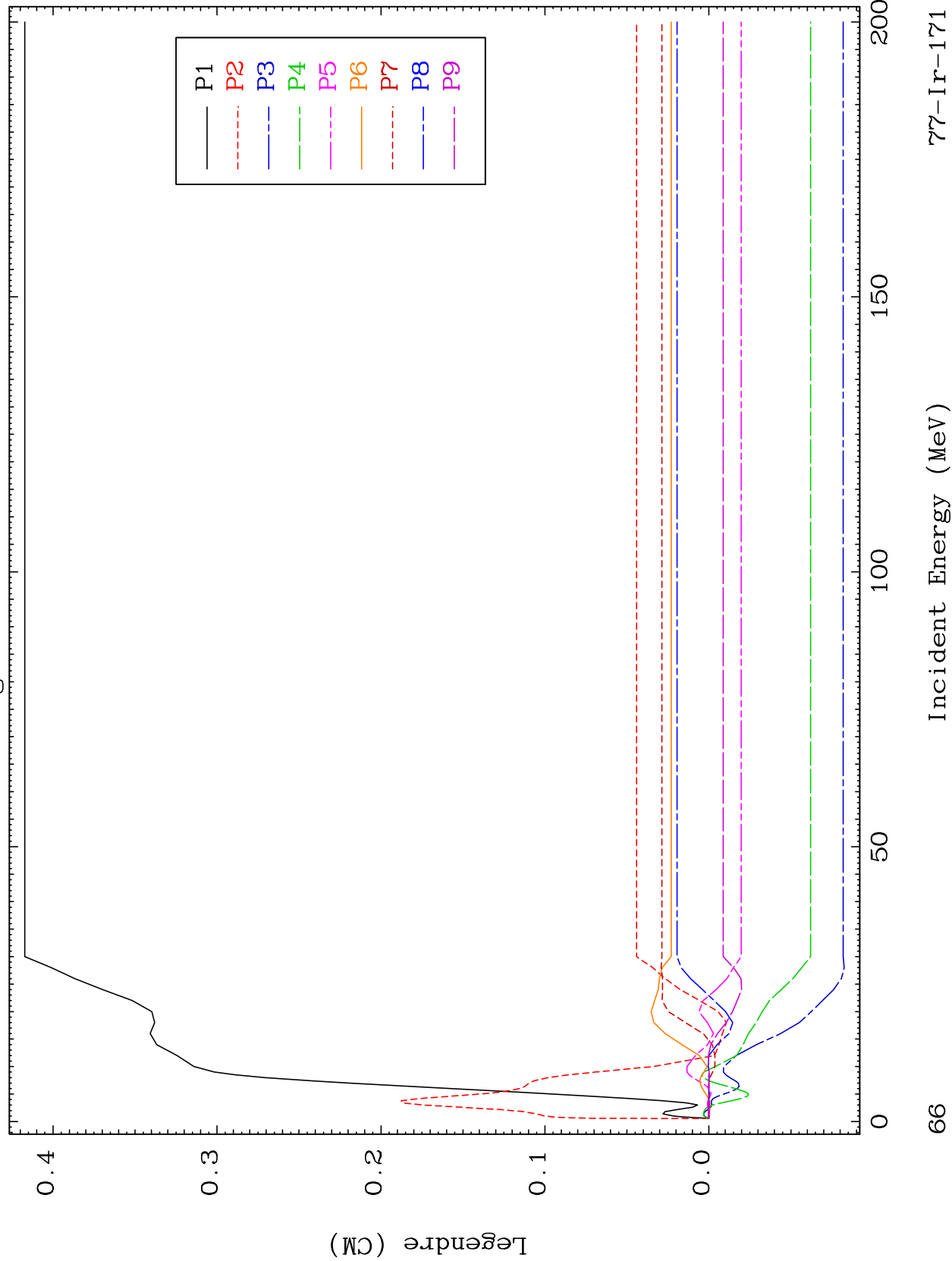
77-Ir-171



64

77-Ir-171

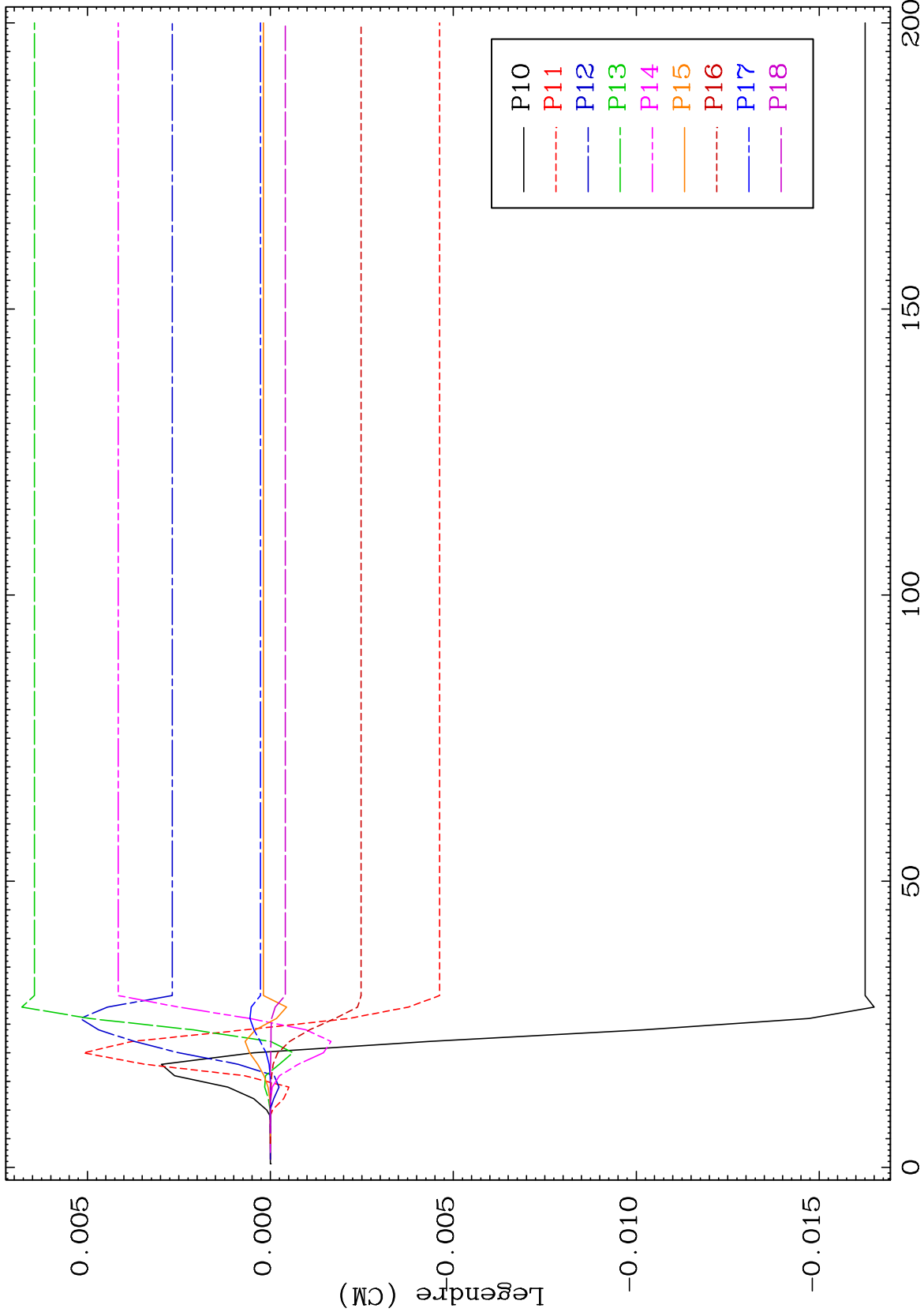




MAT 7665

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

77-Ir-171



67

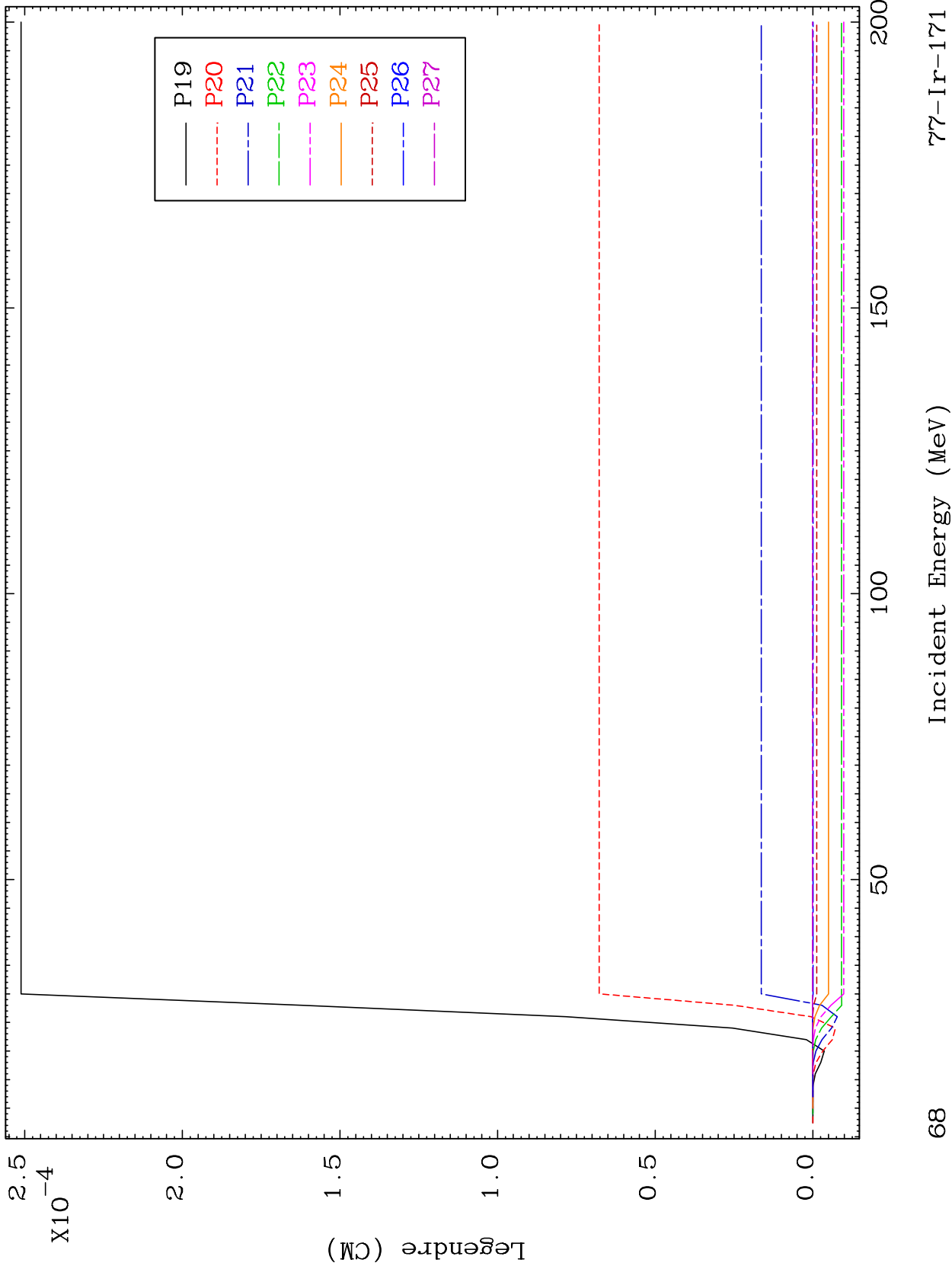
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



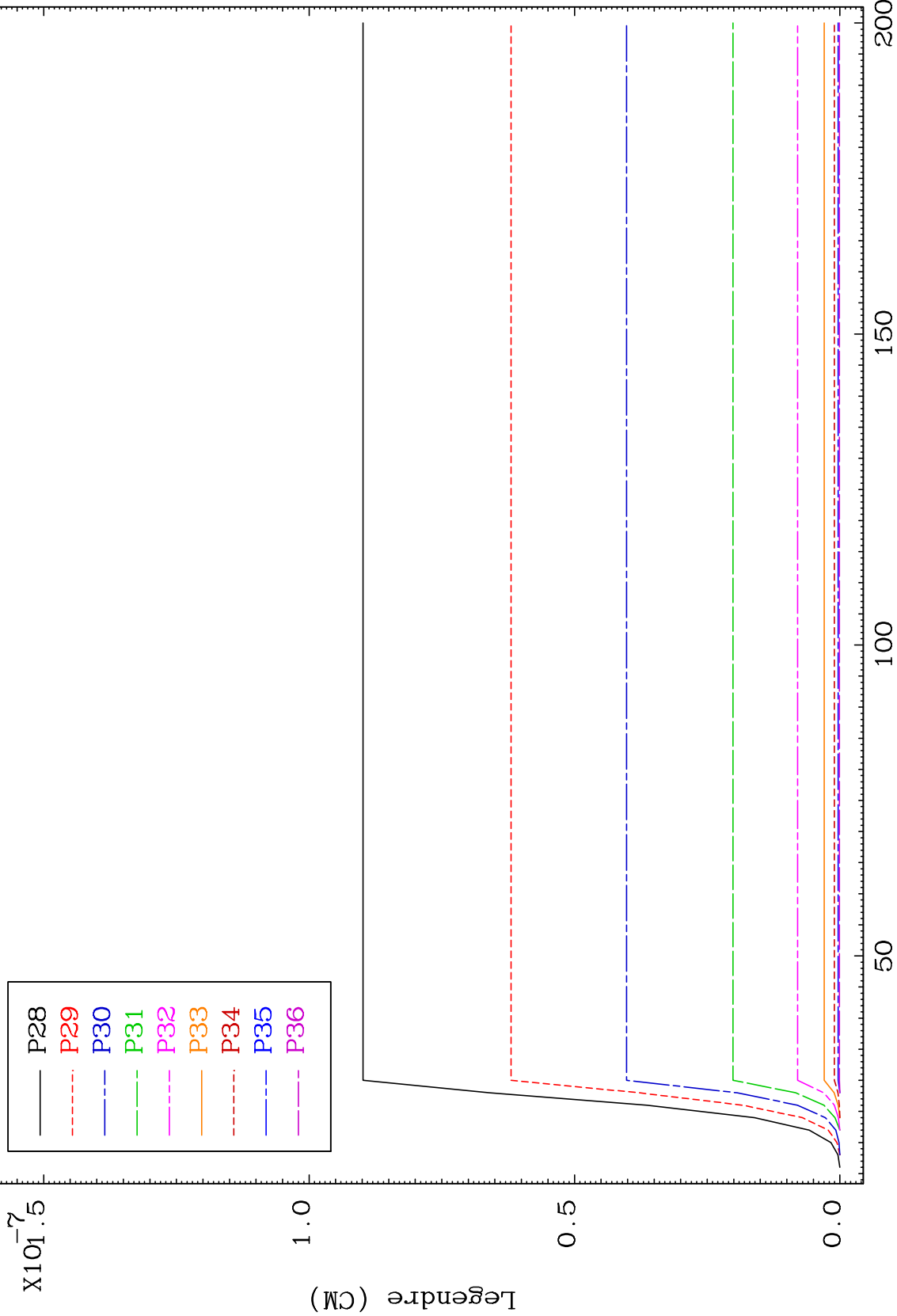
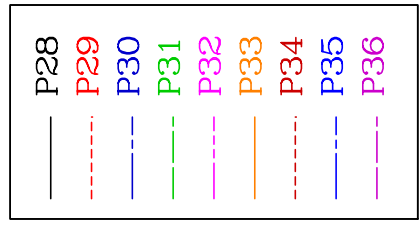
68

77-Ir-171

MAT 7665

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

77-Ir-171



69

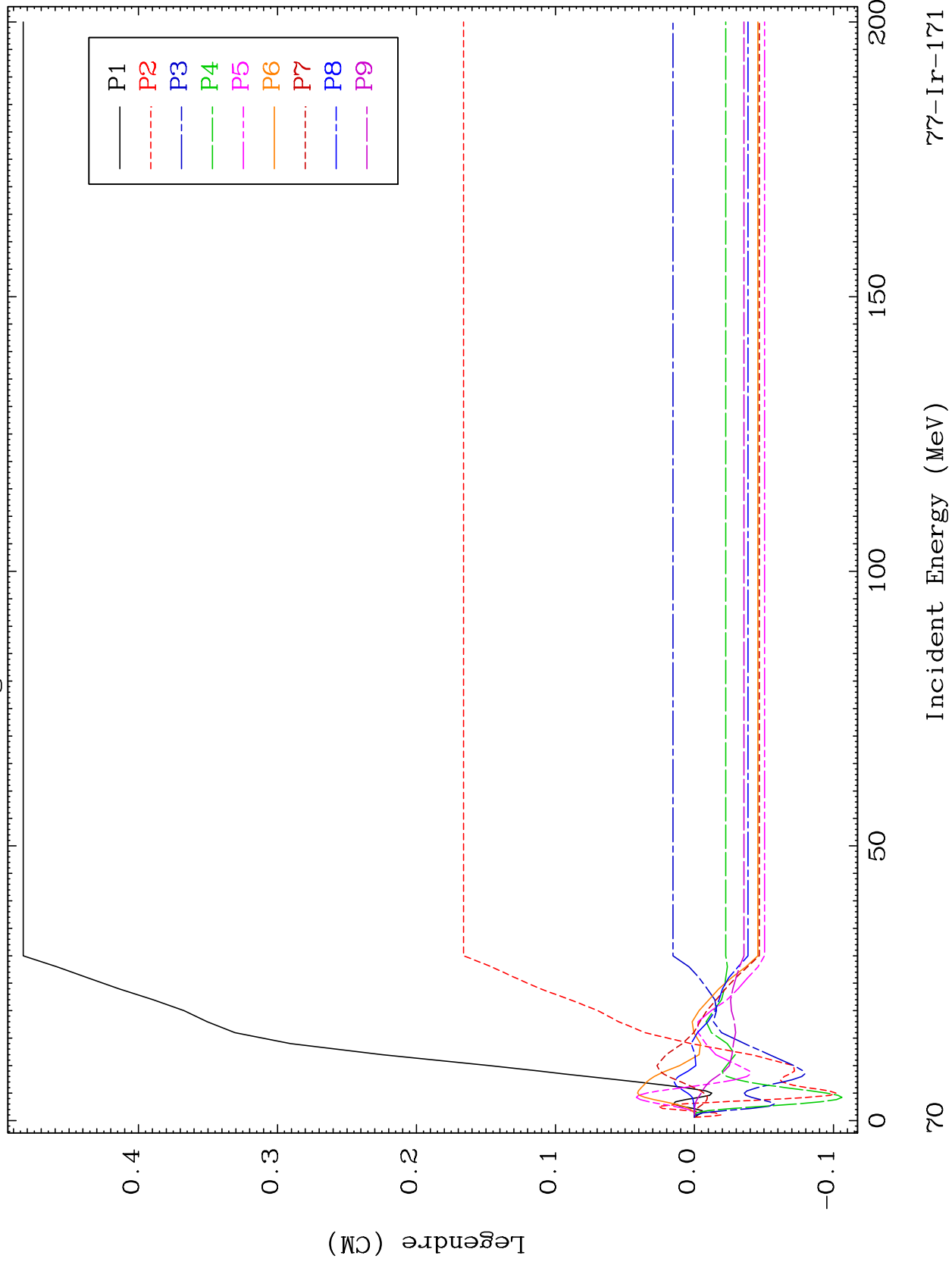
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

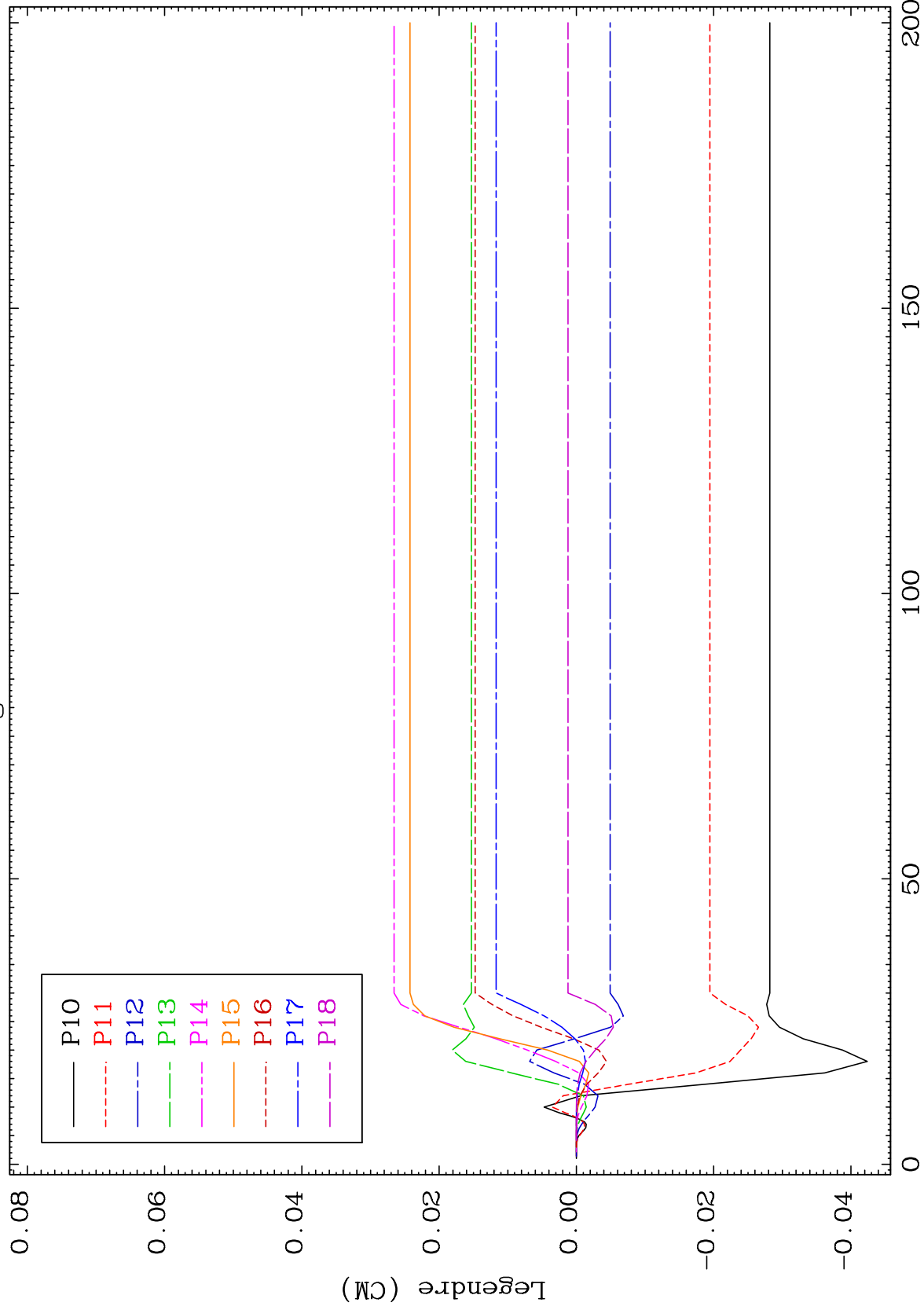
Incident Energy (MeV)

70

MAT 7665

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

77-Ir-171



71

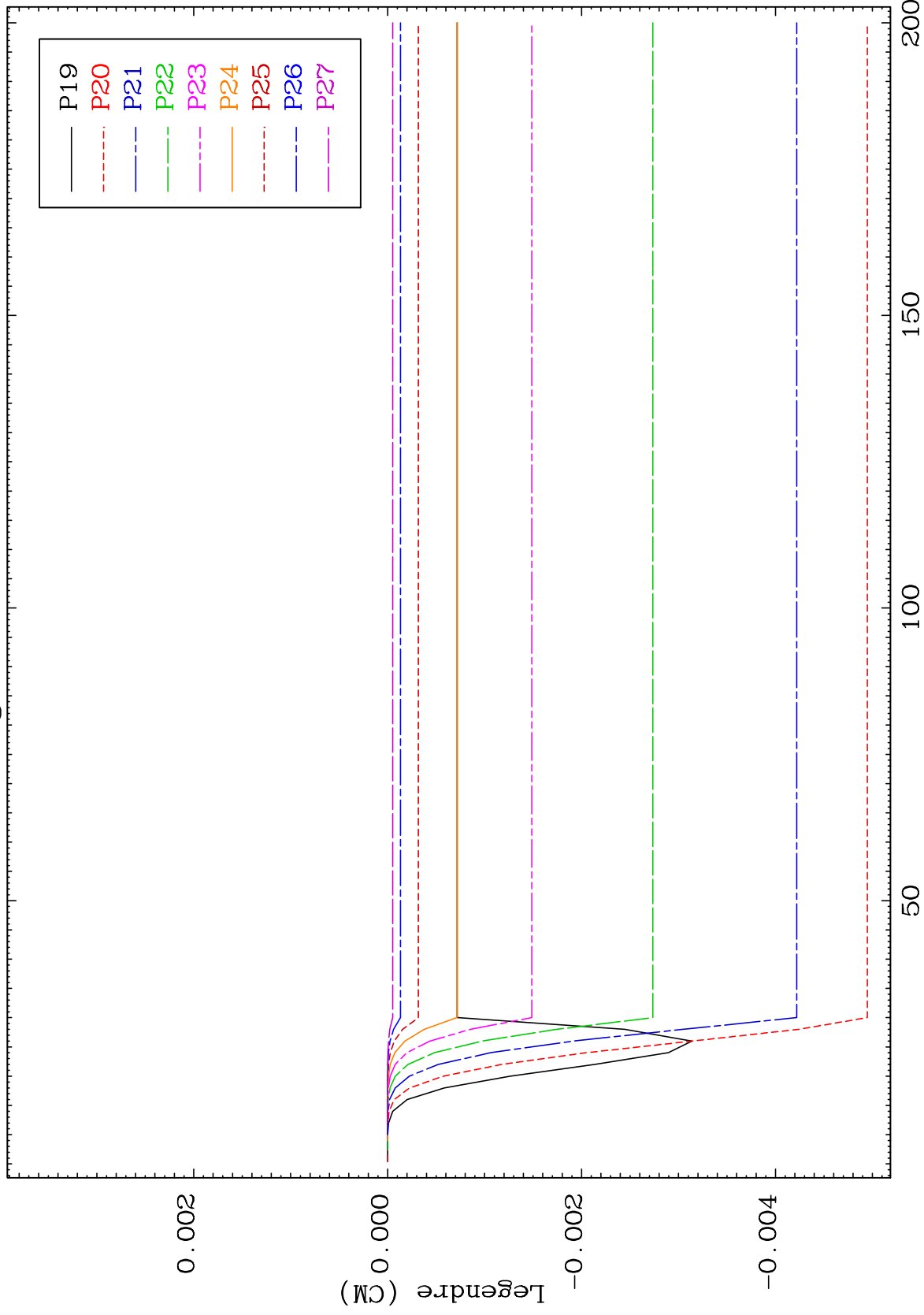
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

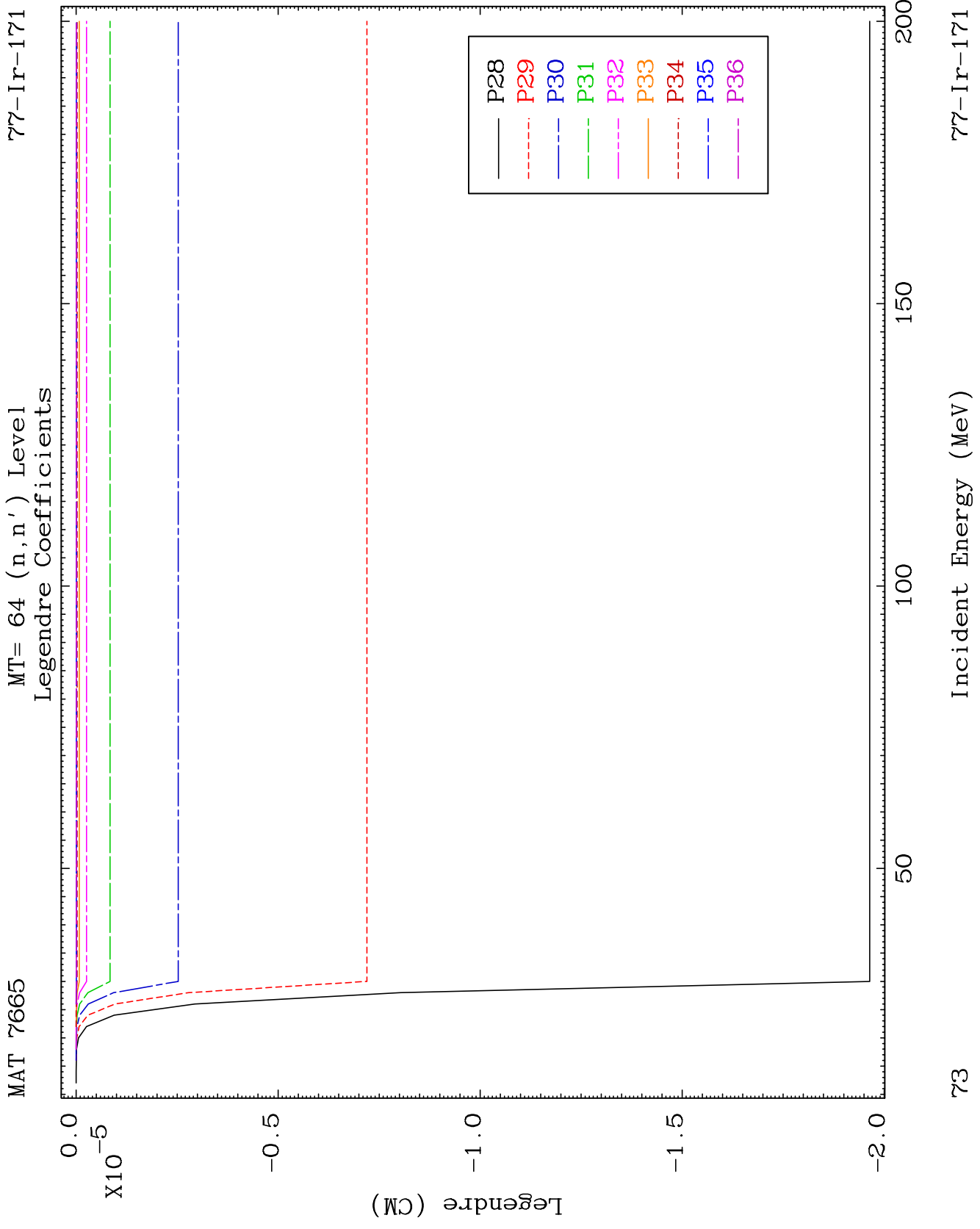
77-Ir-171



72

Incident Energy (MeV)

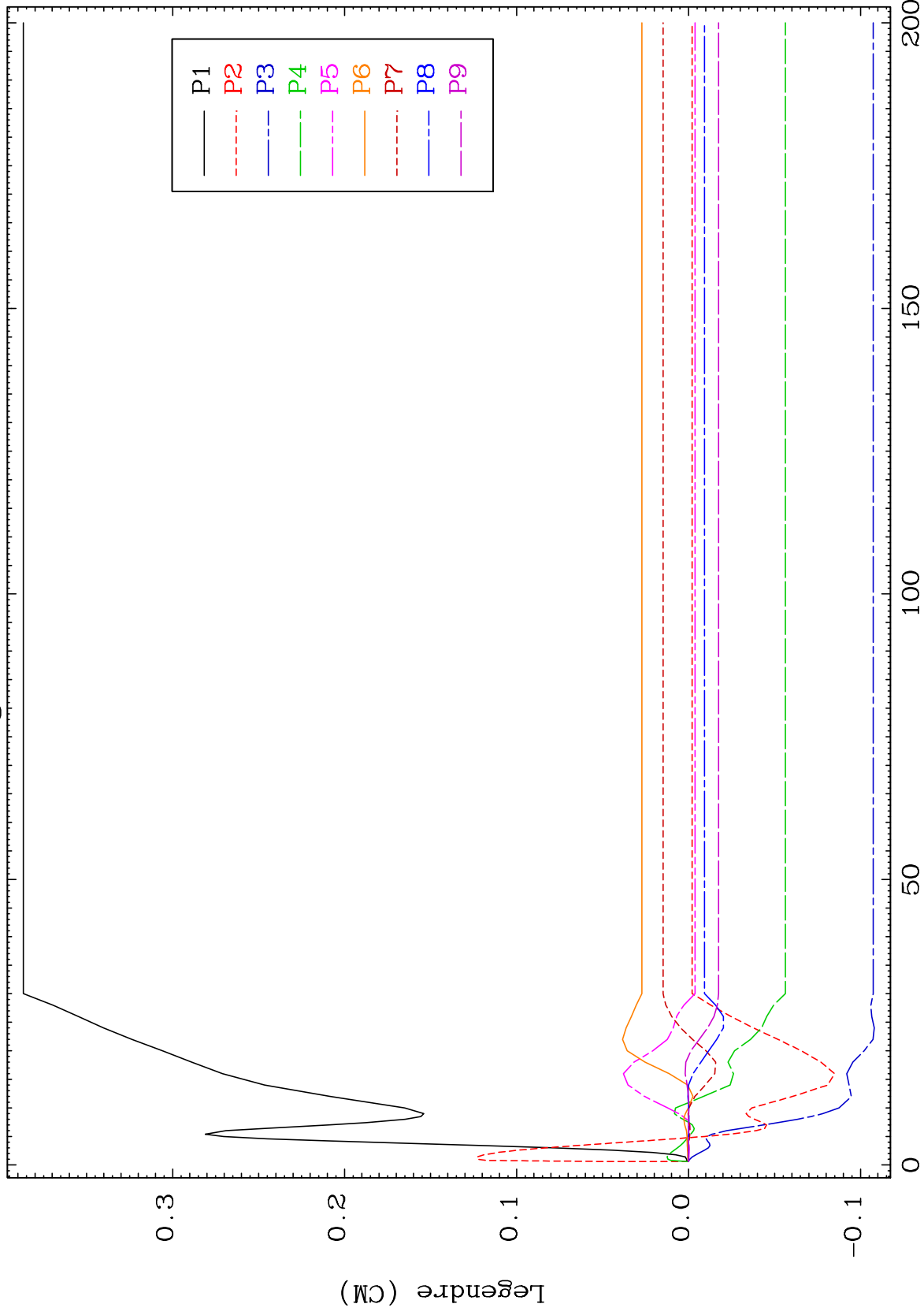
77-Ir-171



MAT 7665

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

77-Ir-171



74

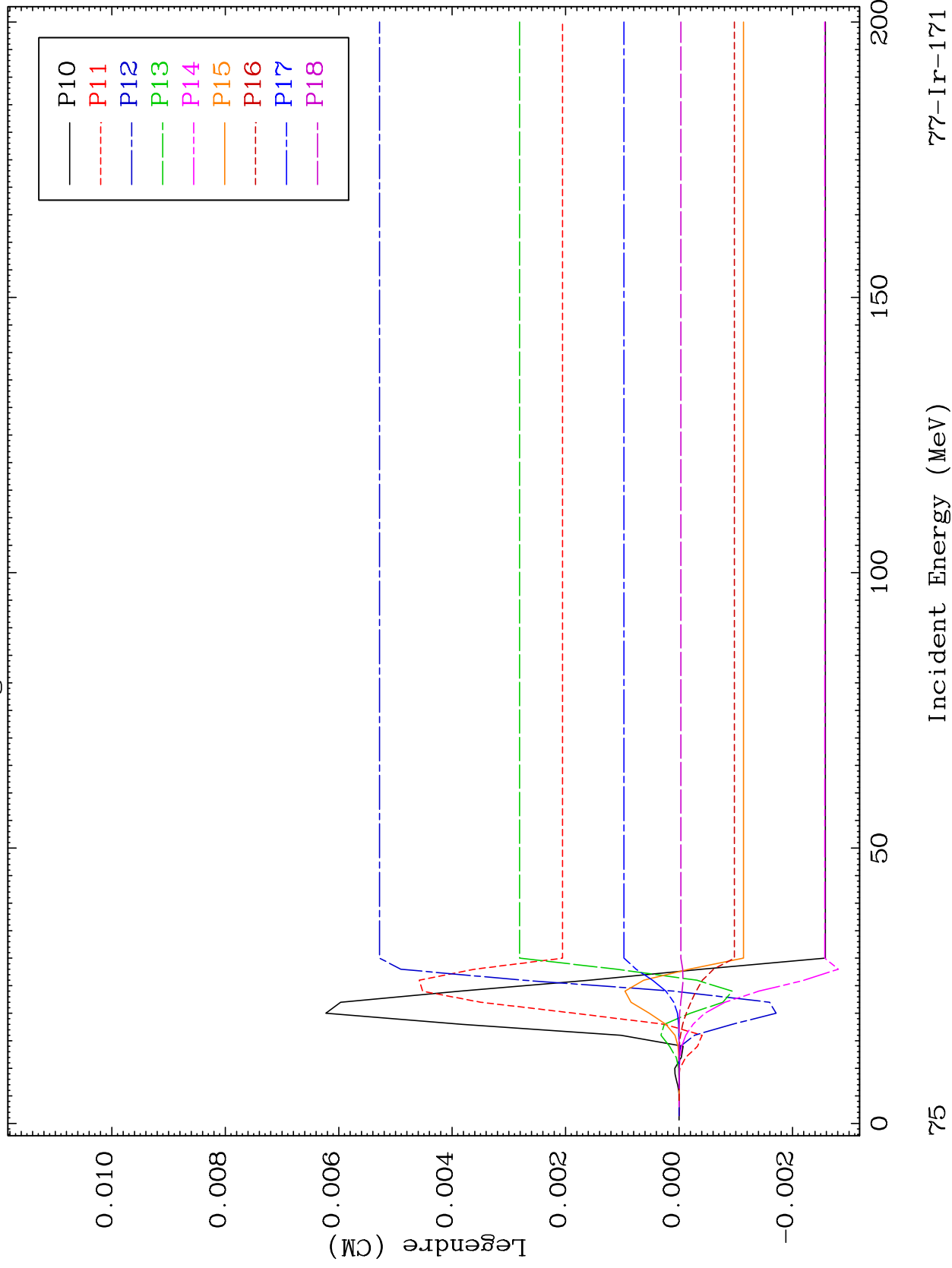
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

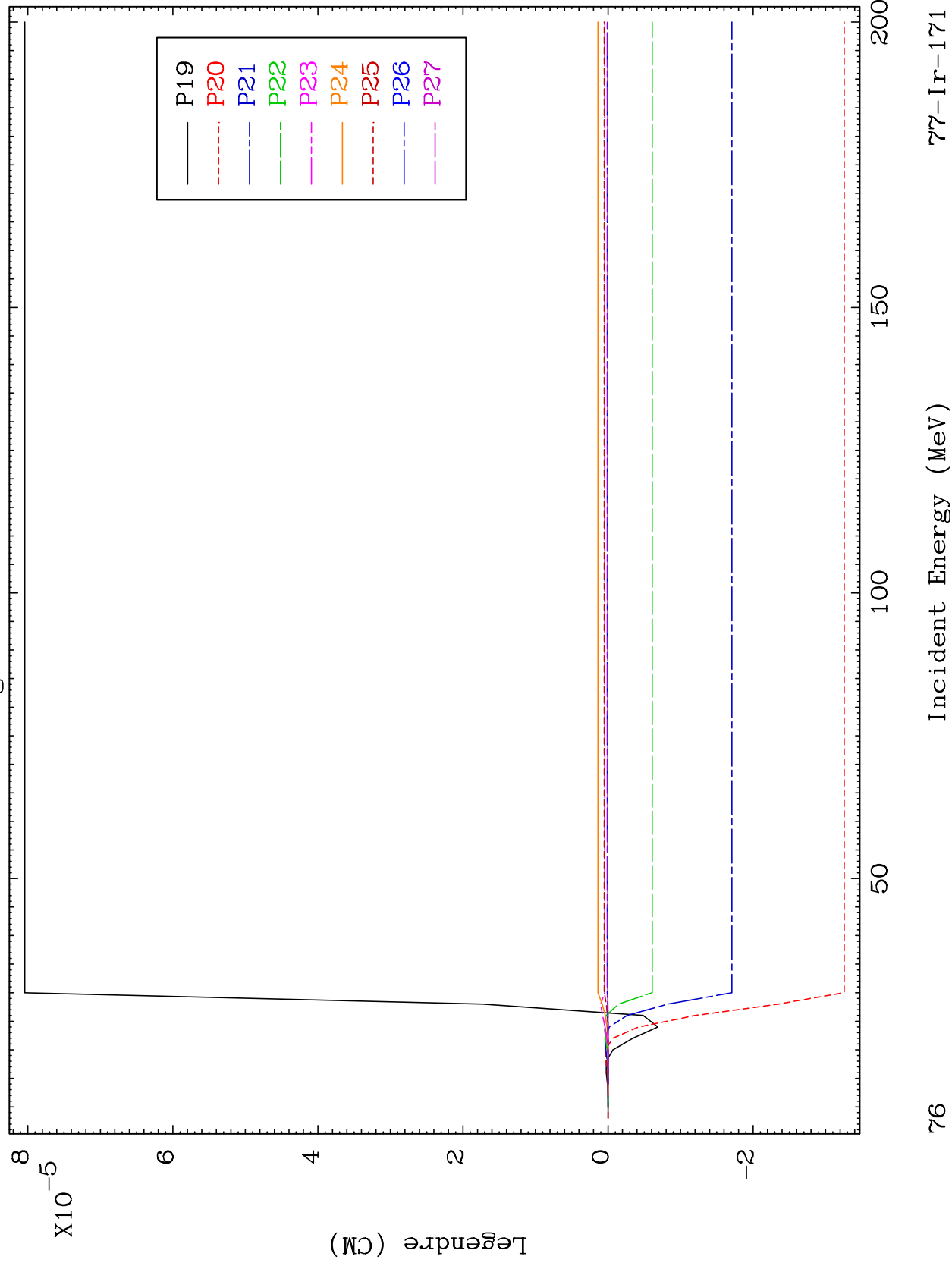
Incident Energy (MeV)

75

MAT 7665

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

77-Ir-171



76

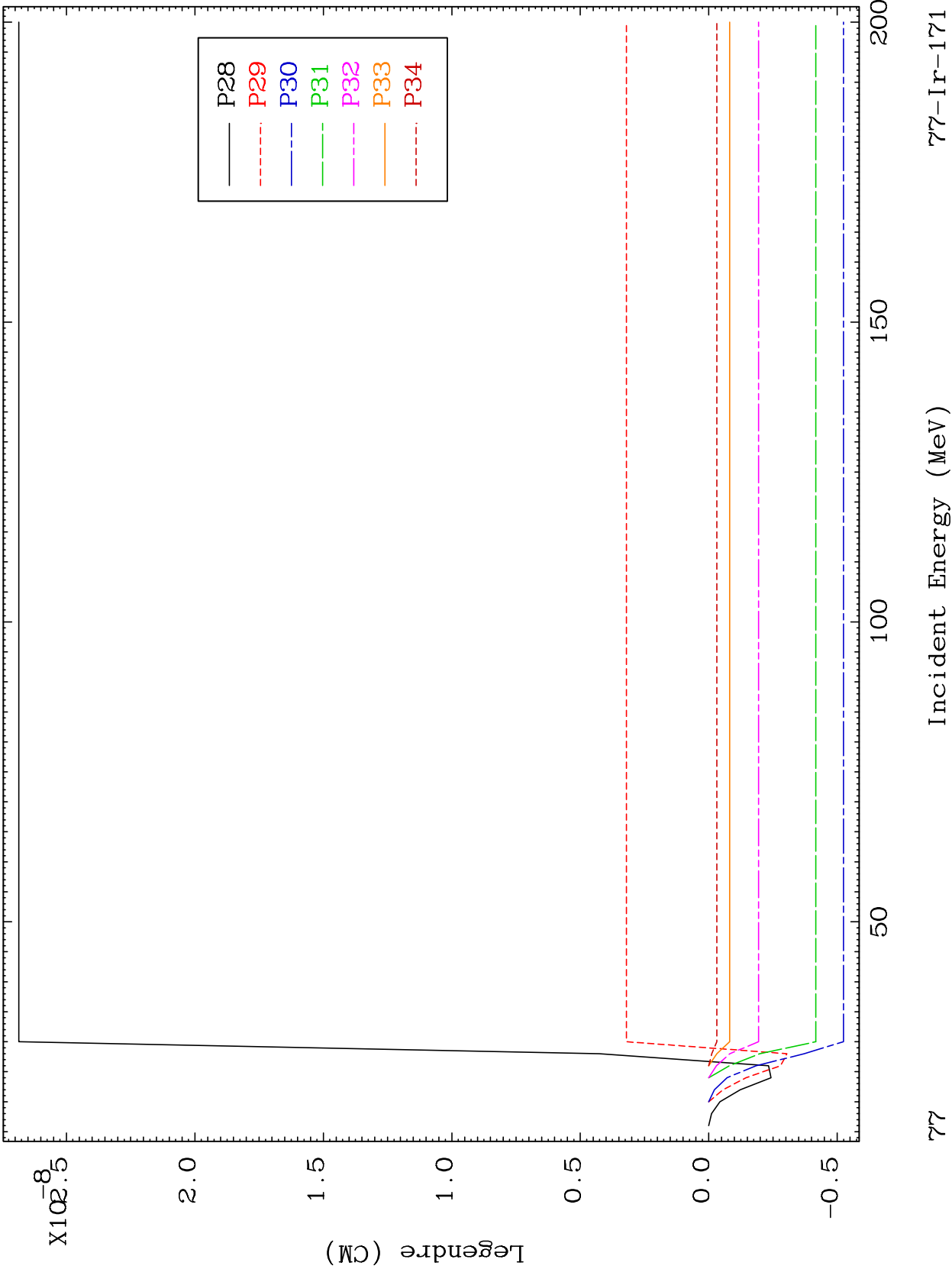
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

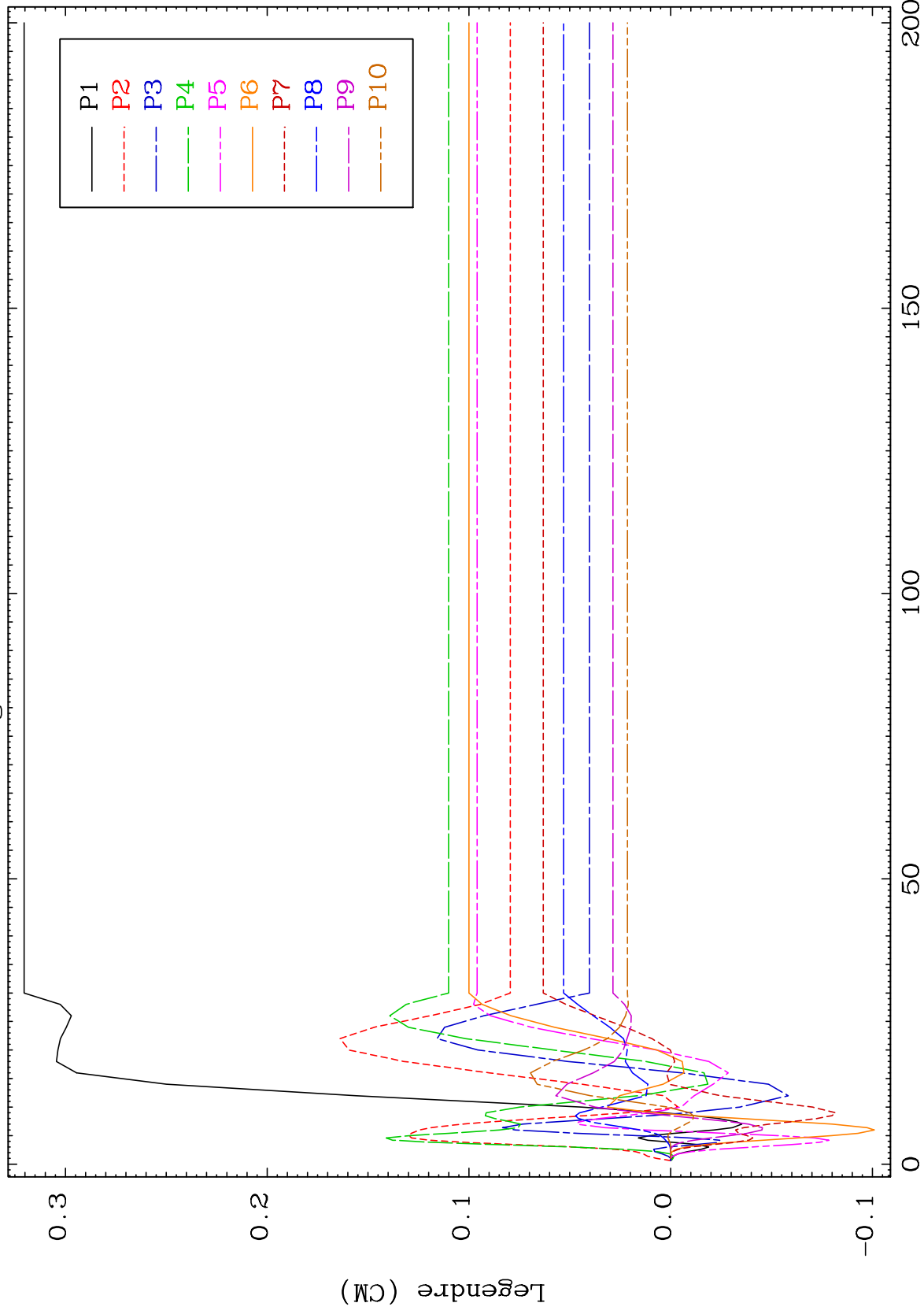
77-Ir-171



MAT 7665

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

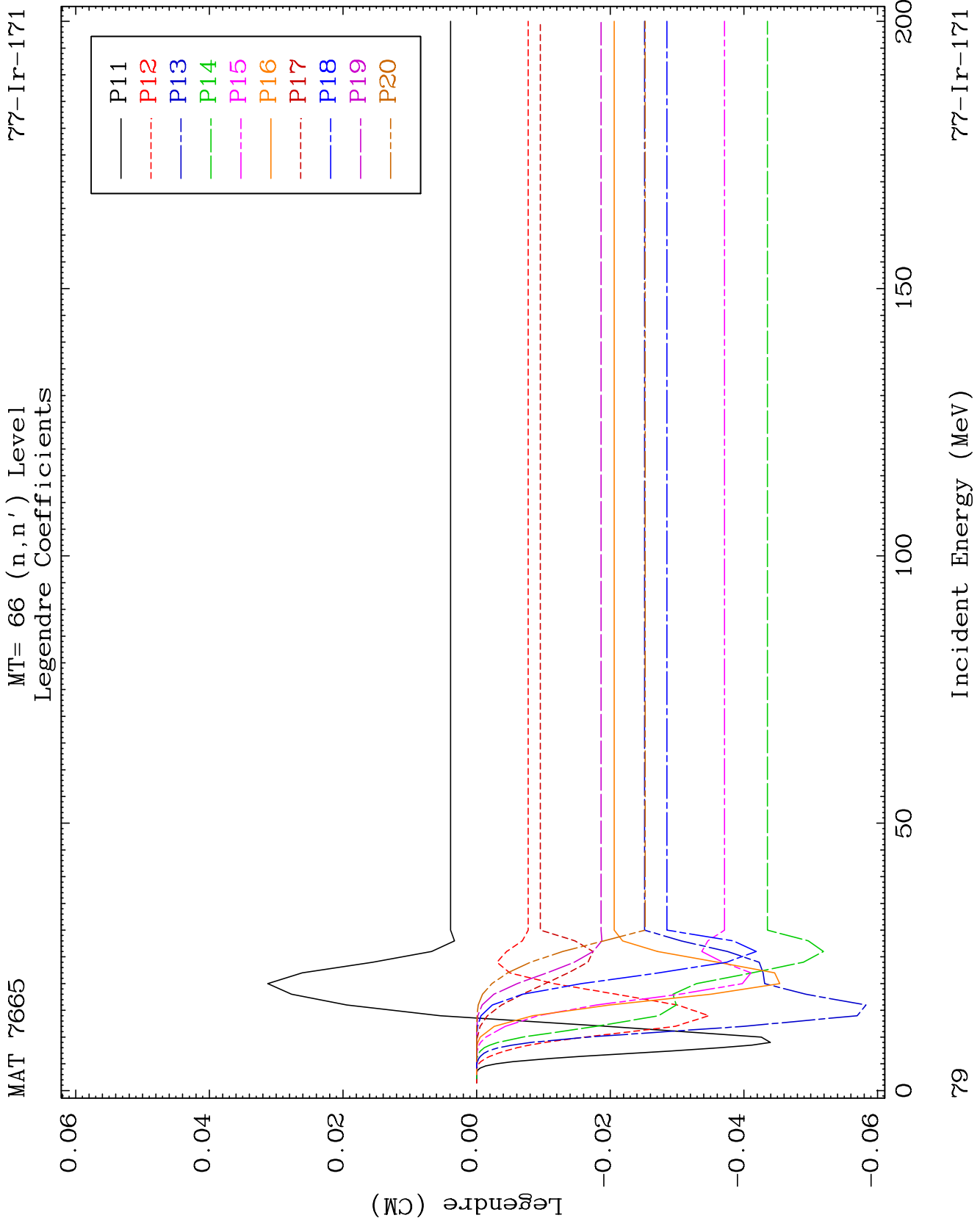
77-Ir-171

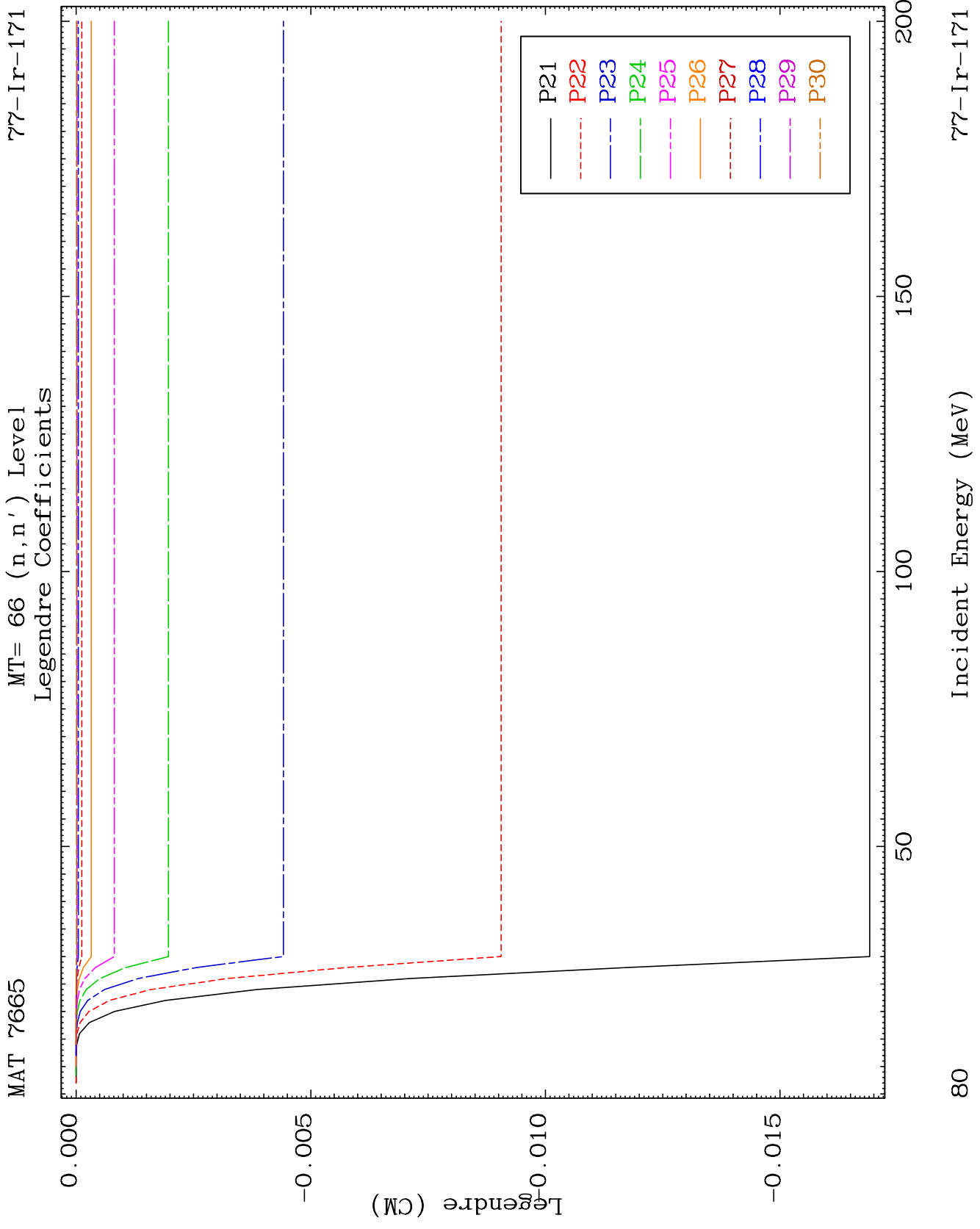


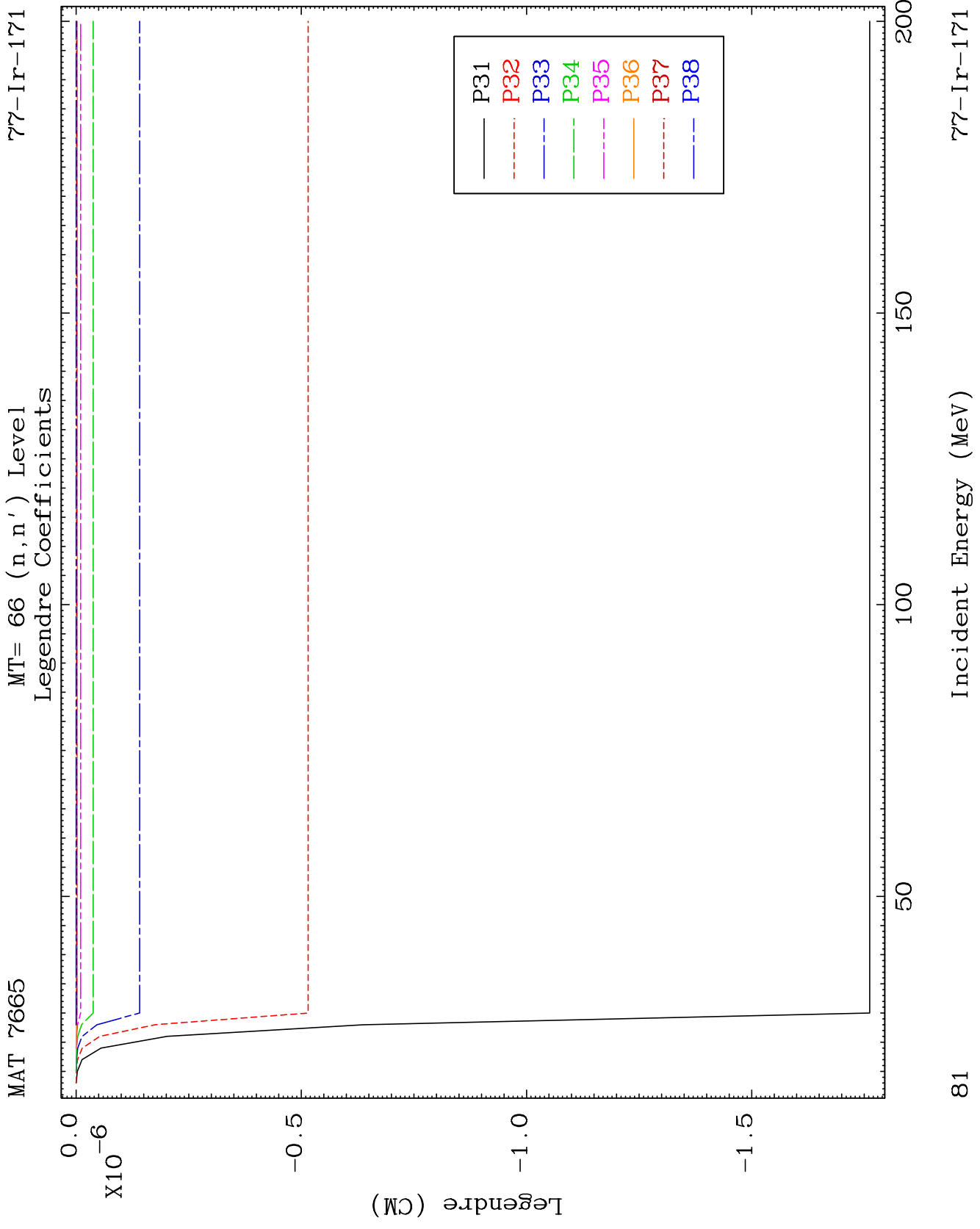
78

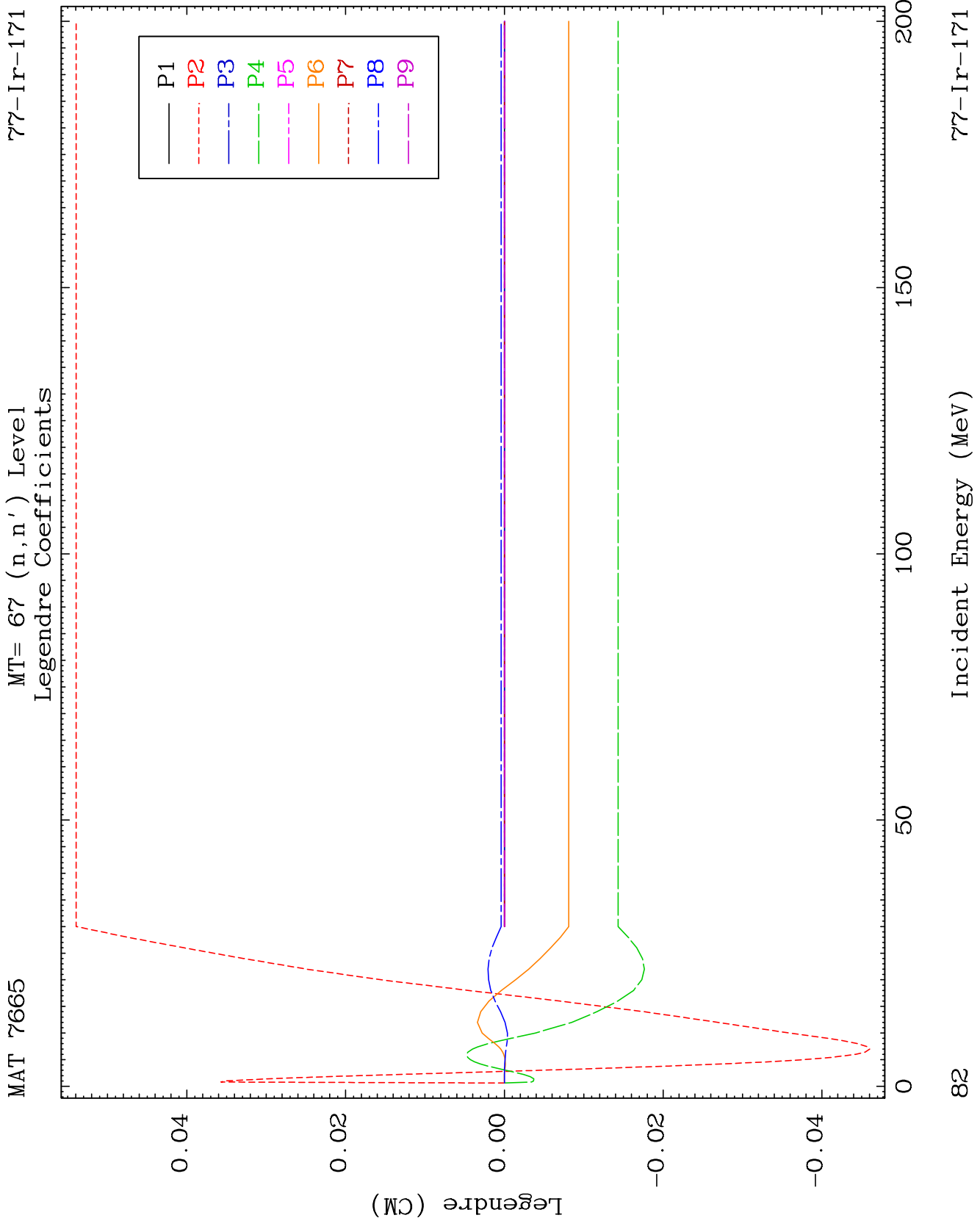
Incident Energy (MeV)

77-Ir-171





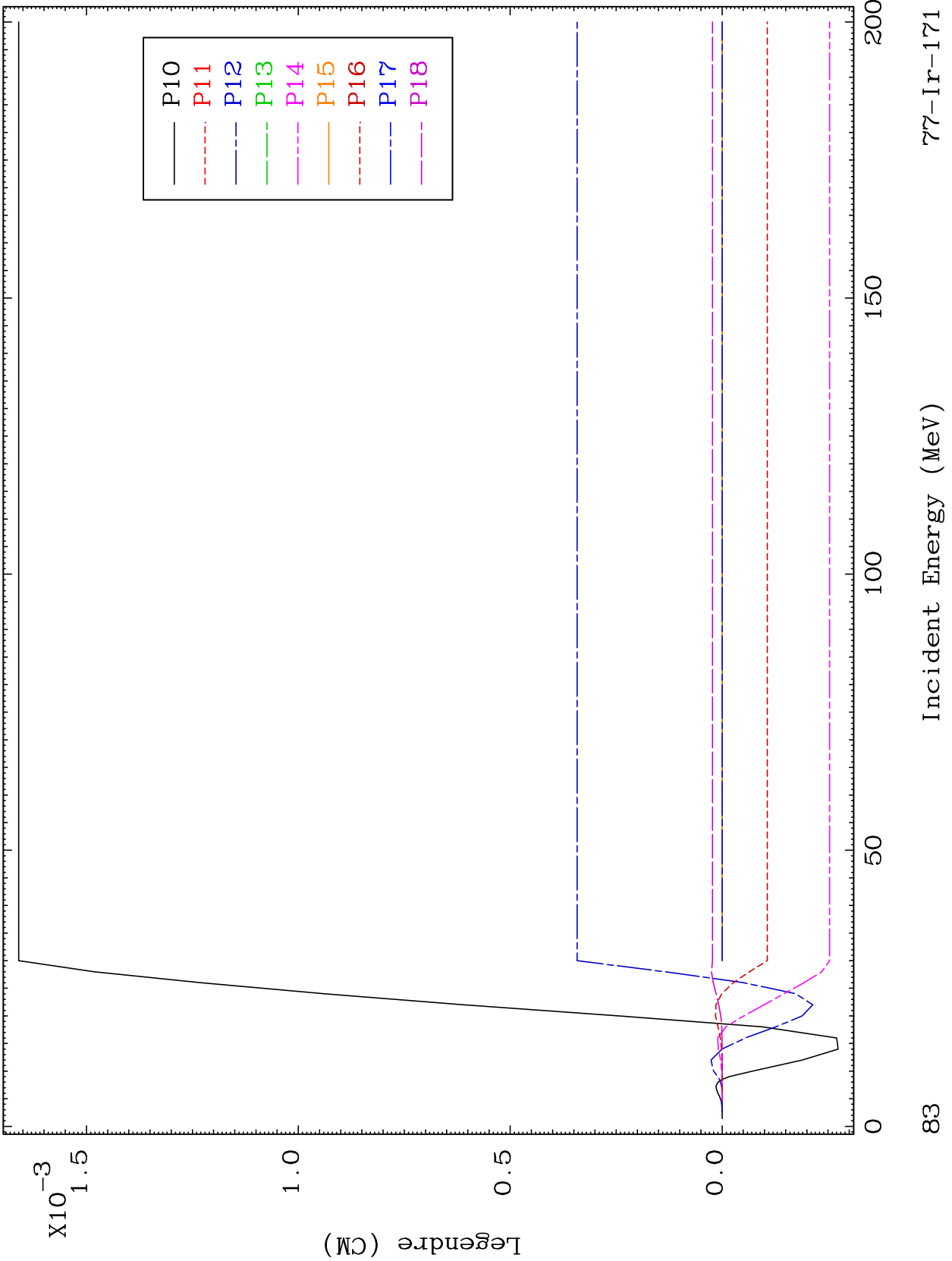




MAT 7665

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

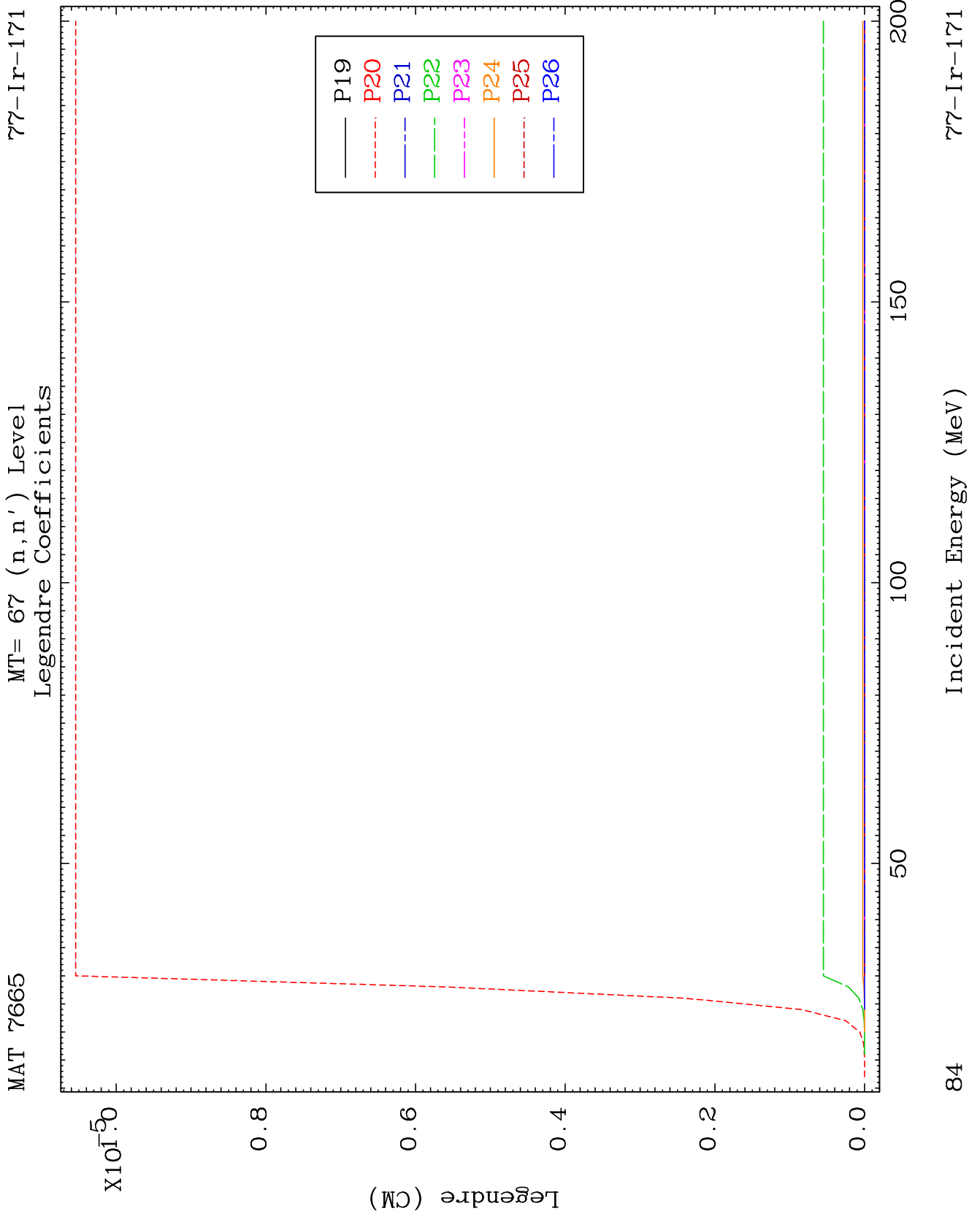
77-Ir-171



83

Incident Energy (MeV)

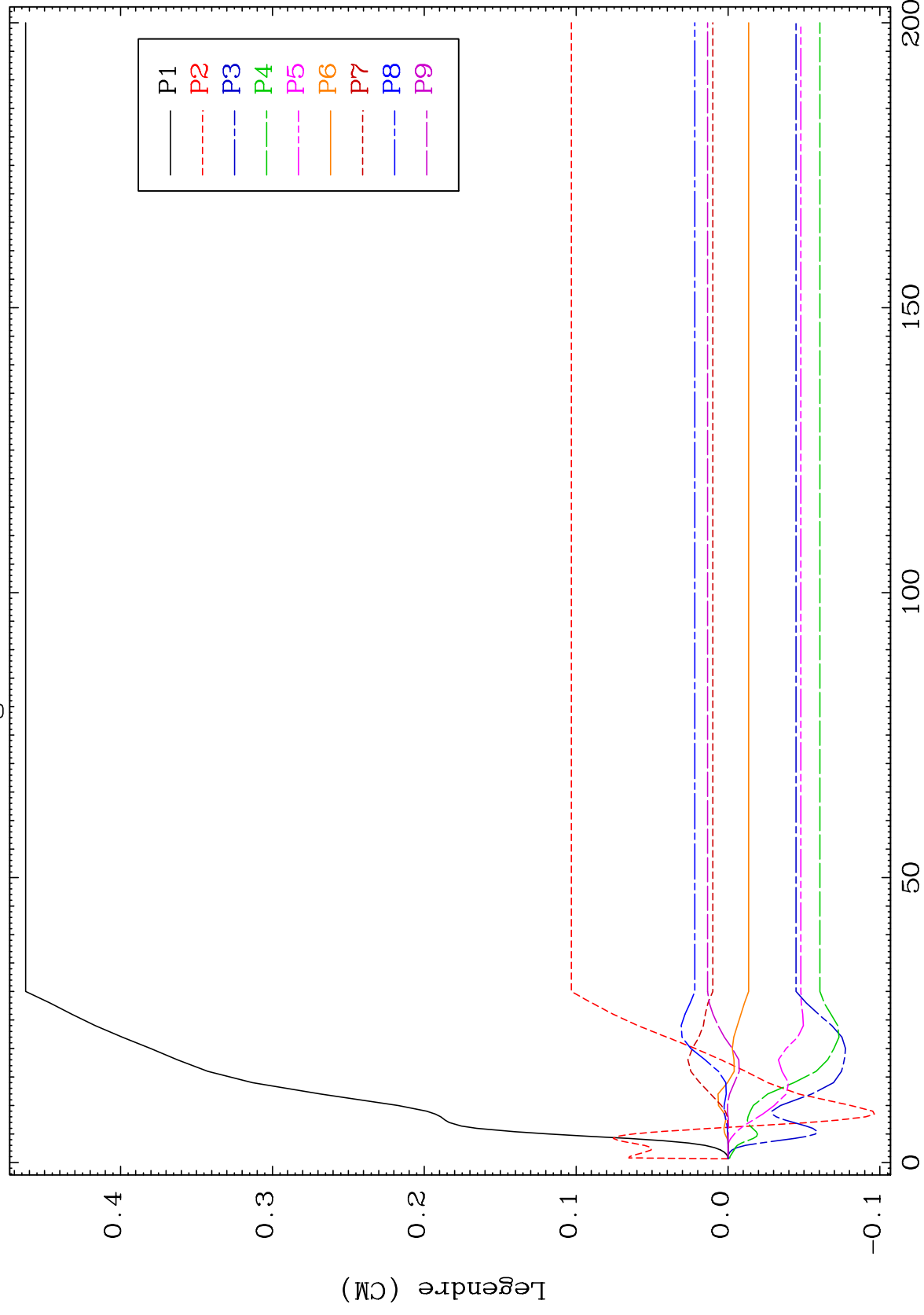
77-Ir-171



MAT 7665

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

77-Ir-171



85

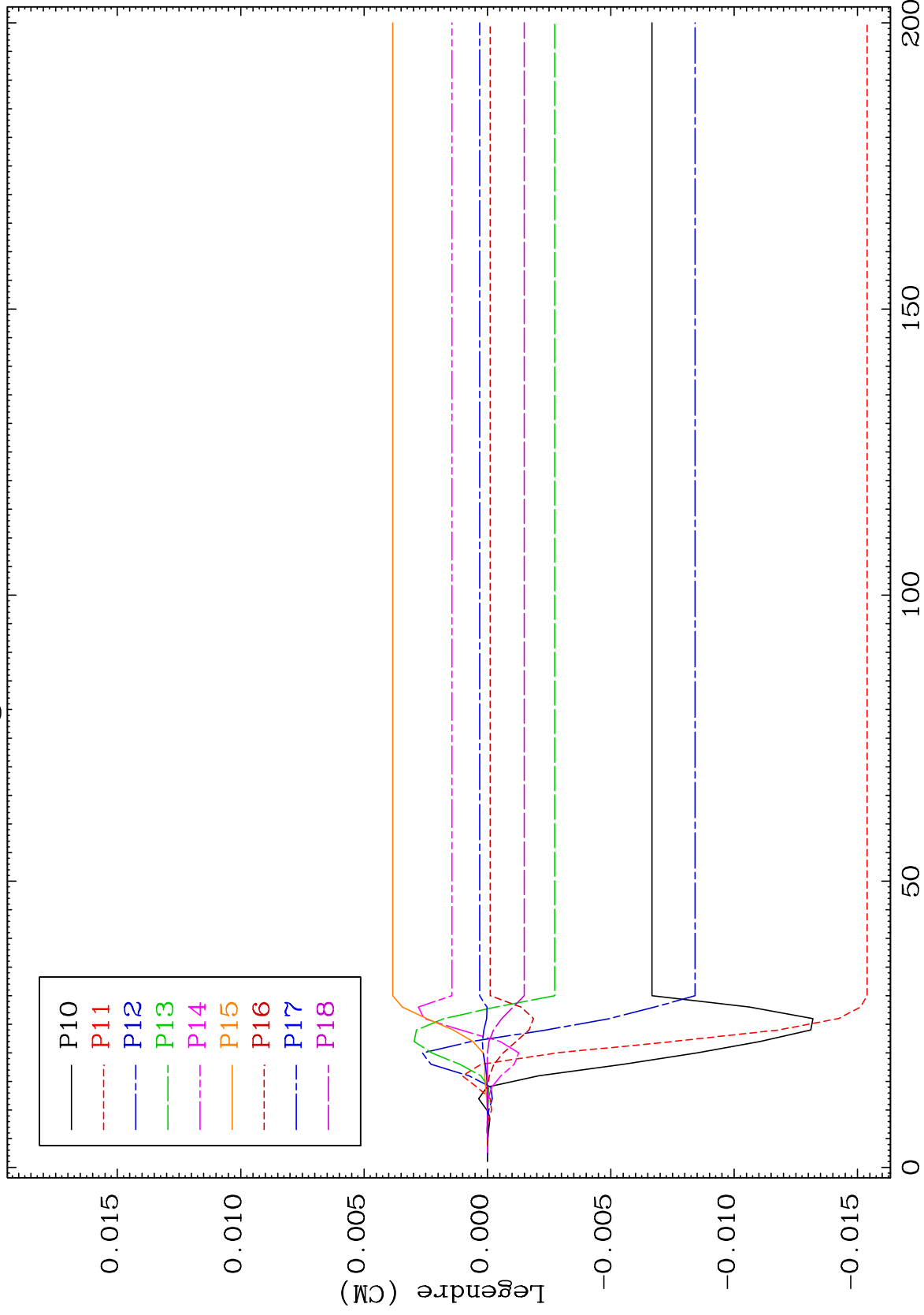
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

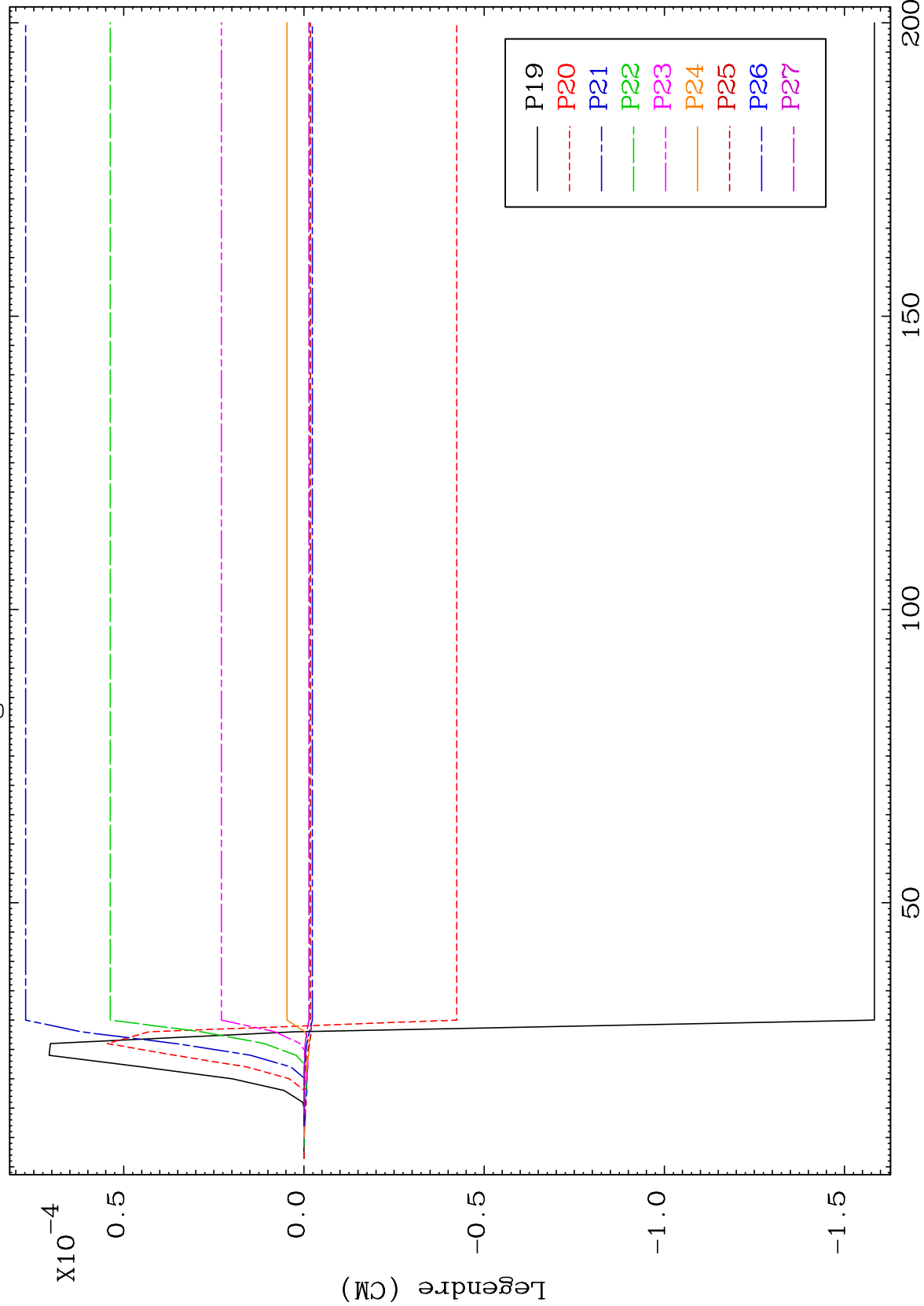
77-Ir-171

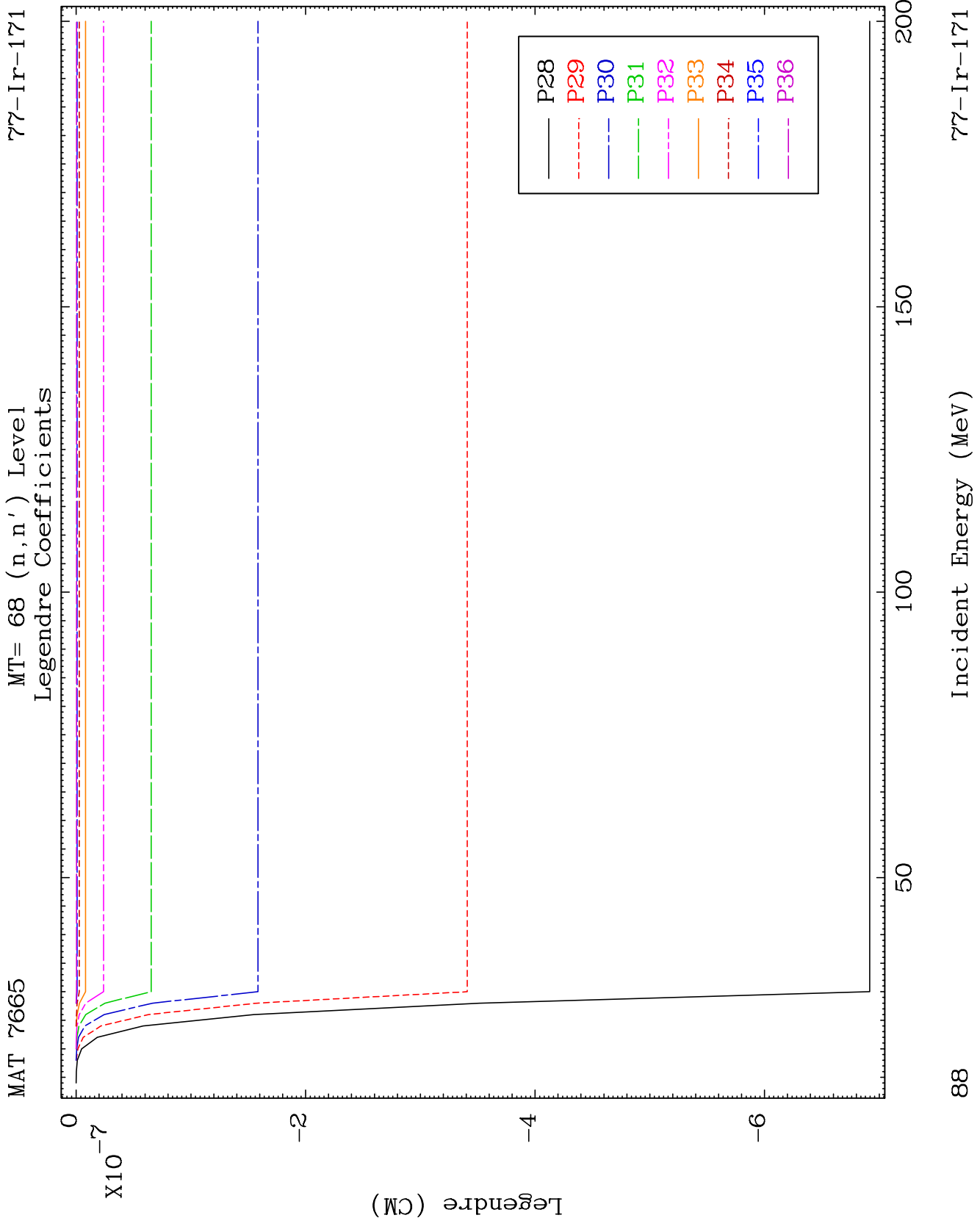


86

Incident Energy (MeV)

77-Ir-171

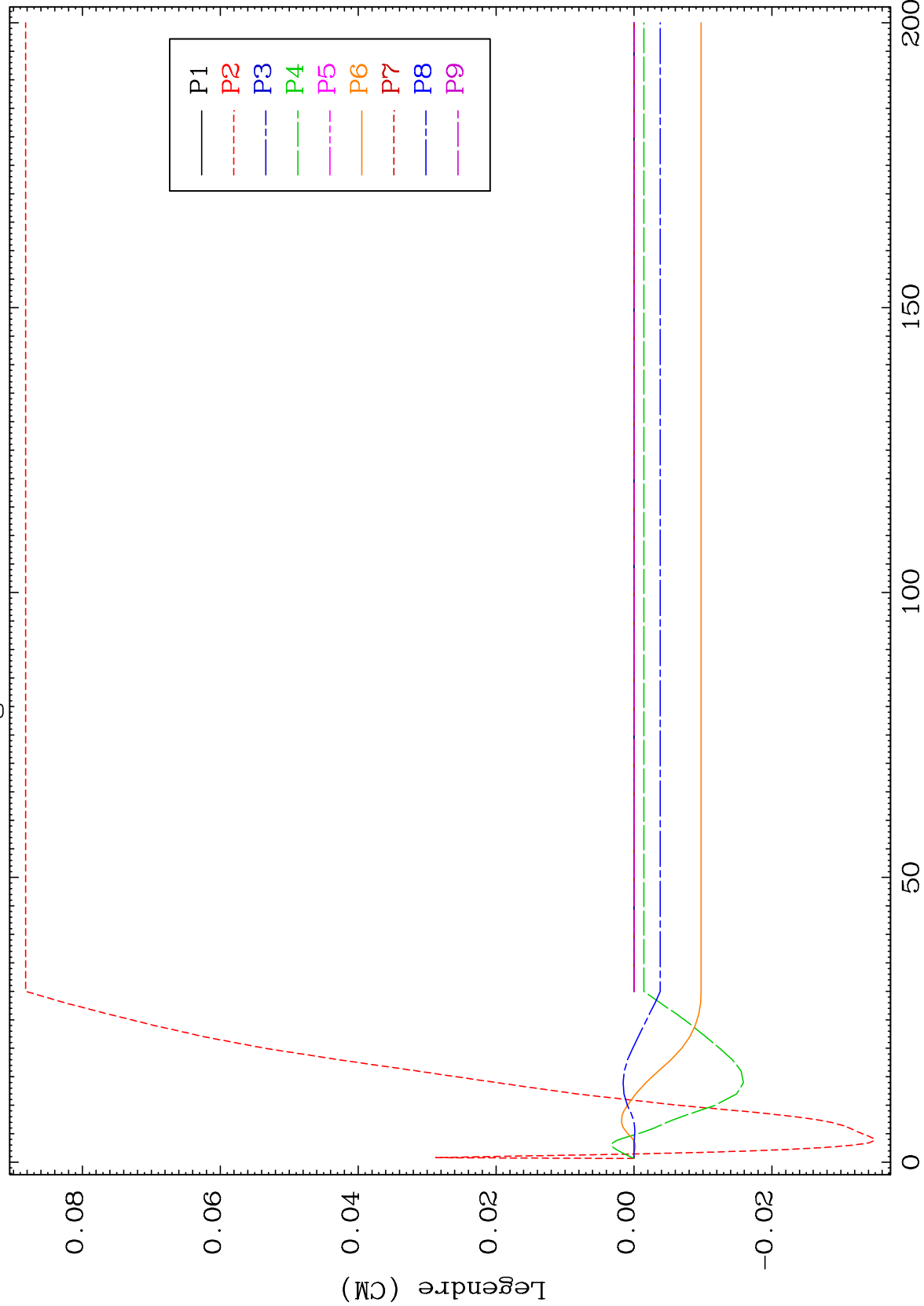




MAT 7665

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

77-Ir-171



89

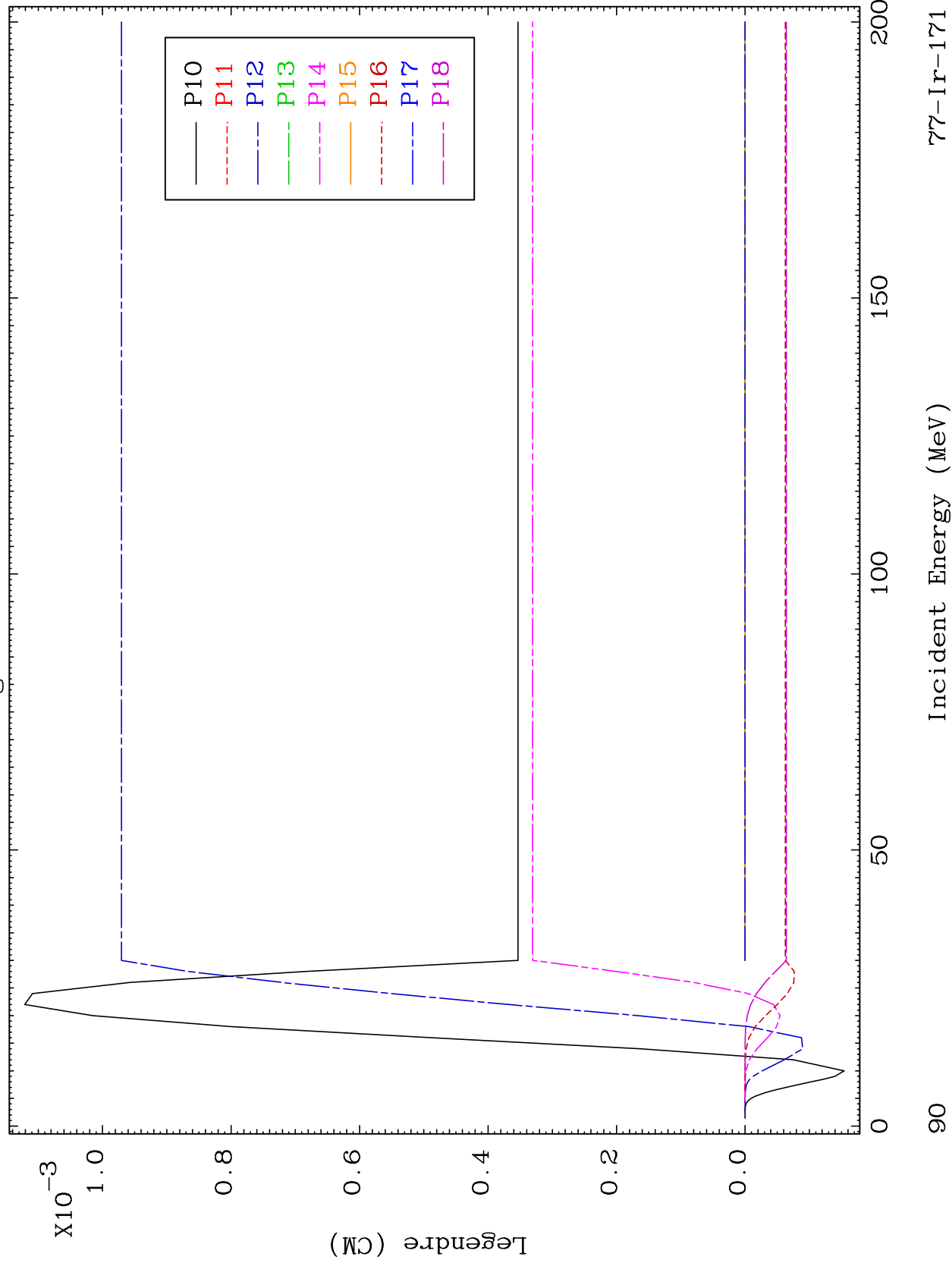
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

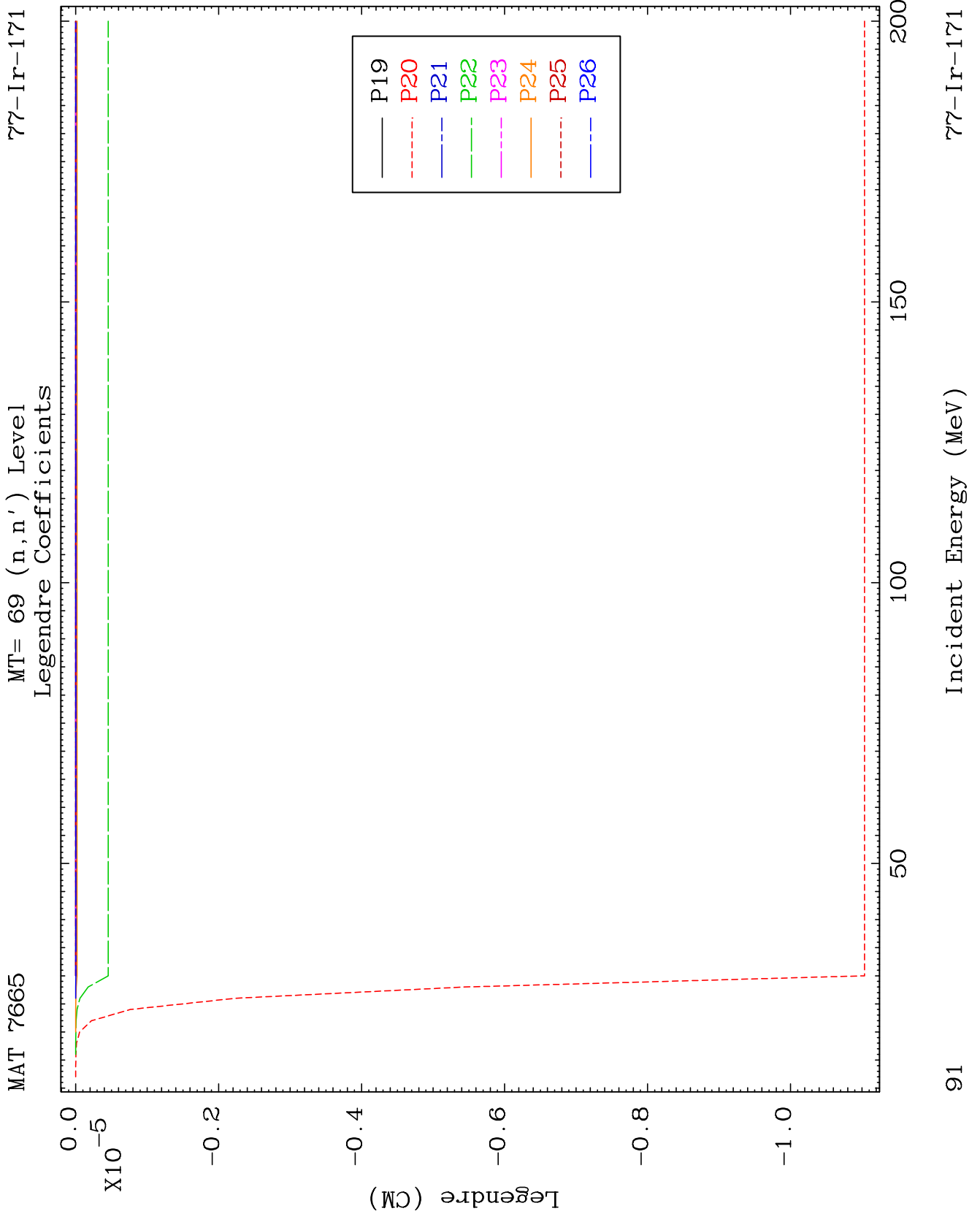
77-Ir-171



77-Ir-171

Incident Energy (MeV)

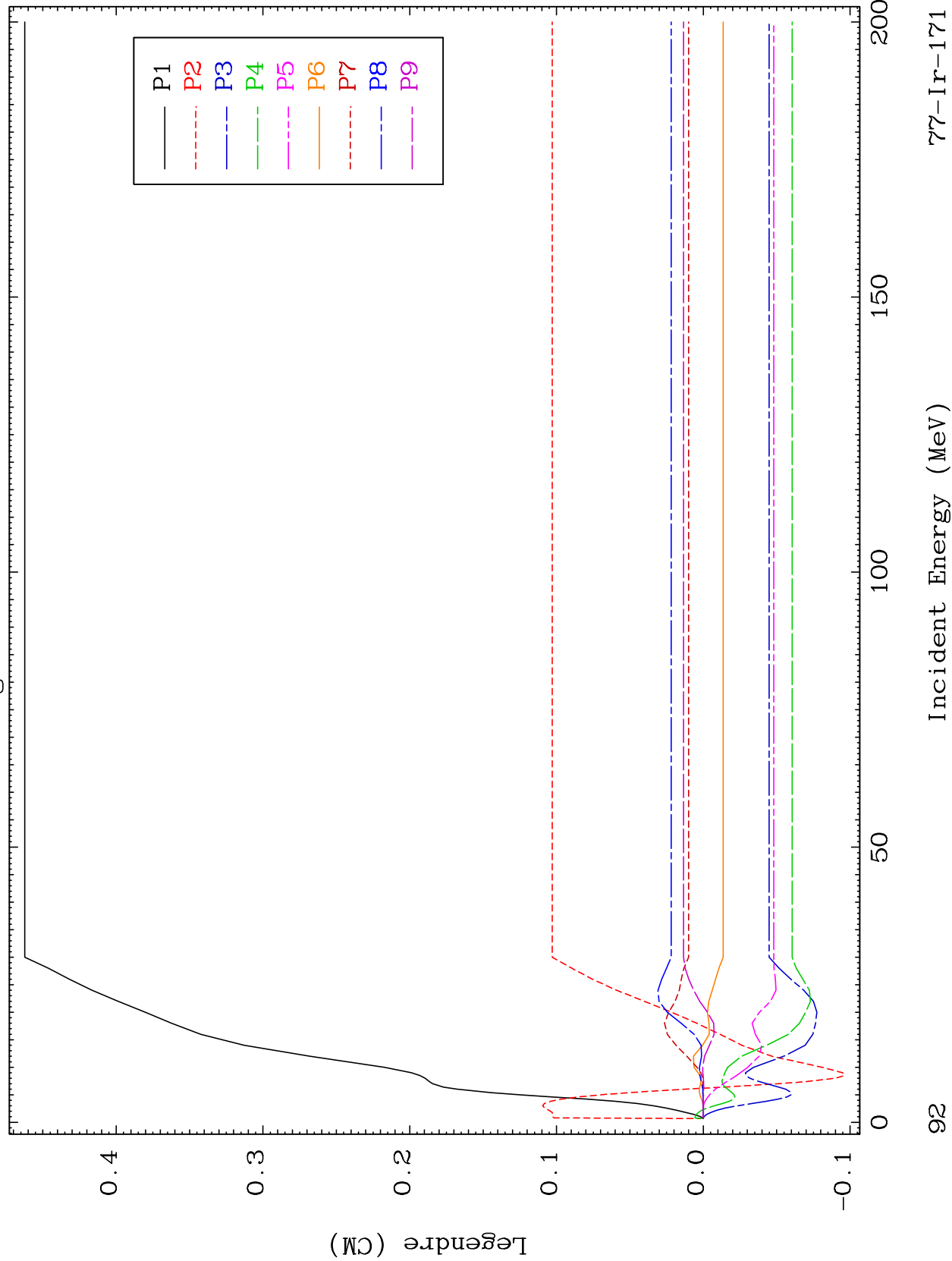
90



MAT 7665

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

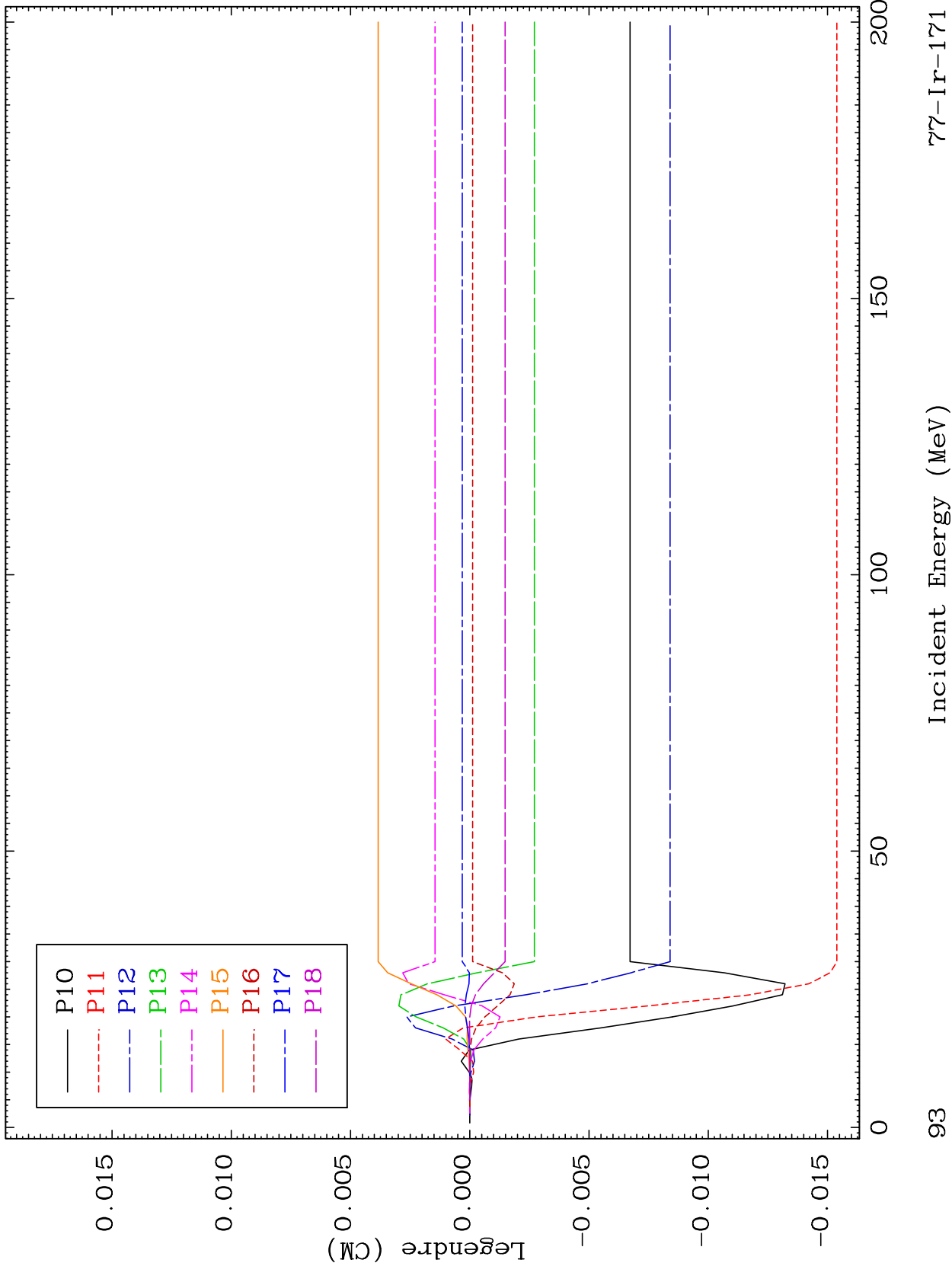
77-Ir-171



MAT 7665

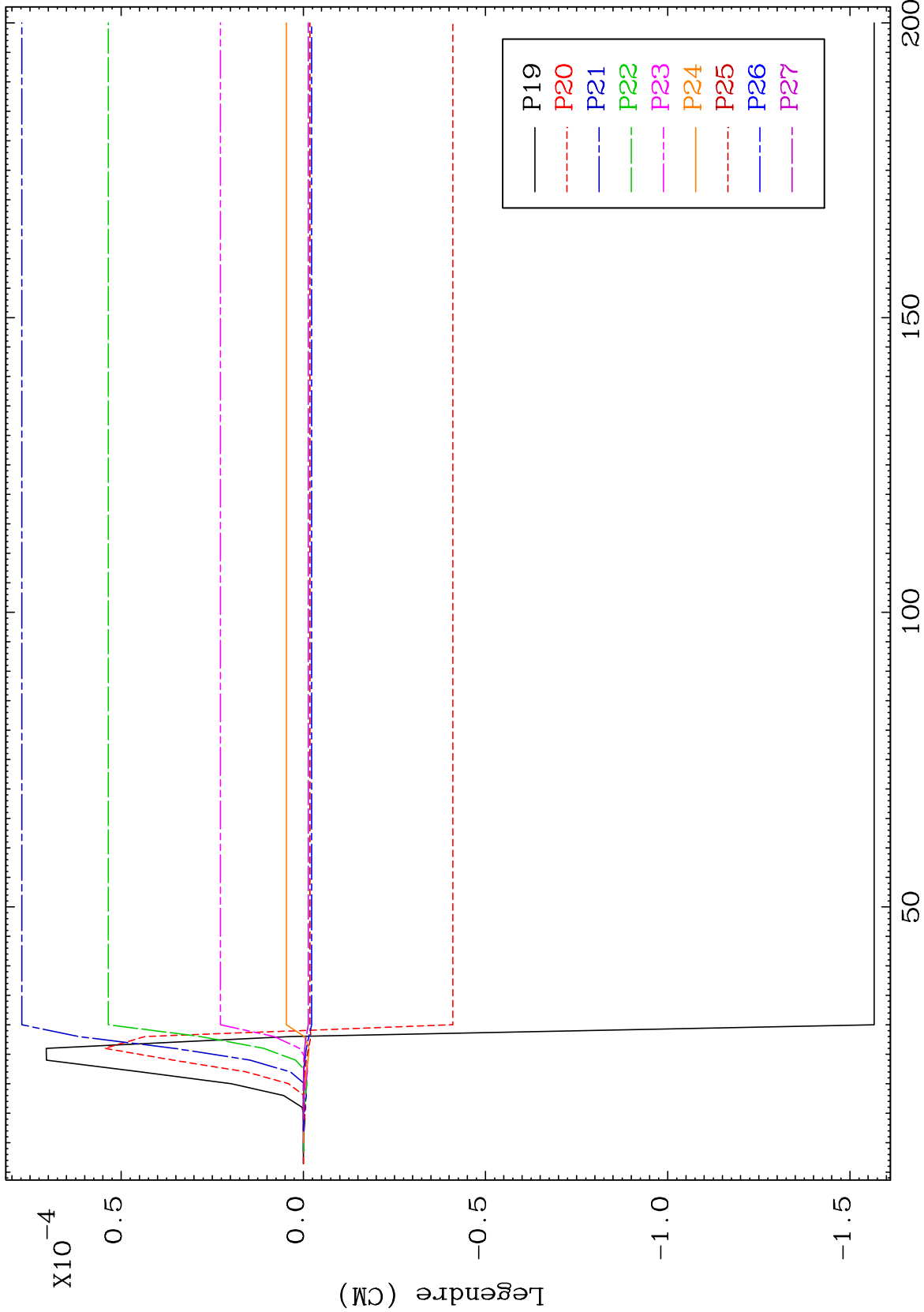
MT= 70 (n,n') Level
Legendre Coefficients

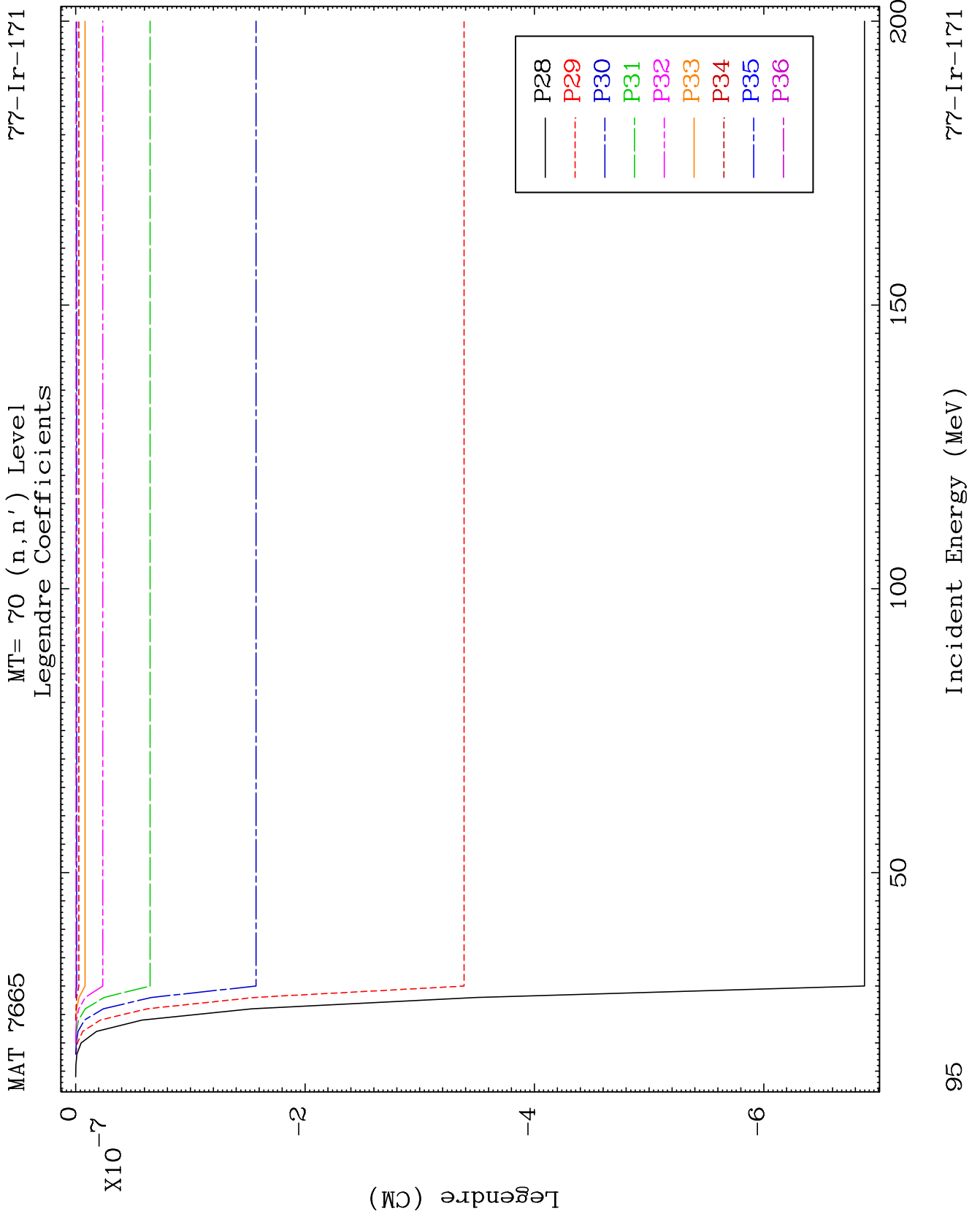
77-Ir-171

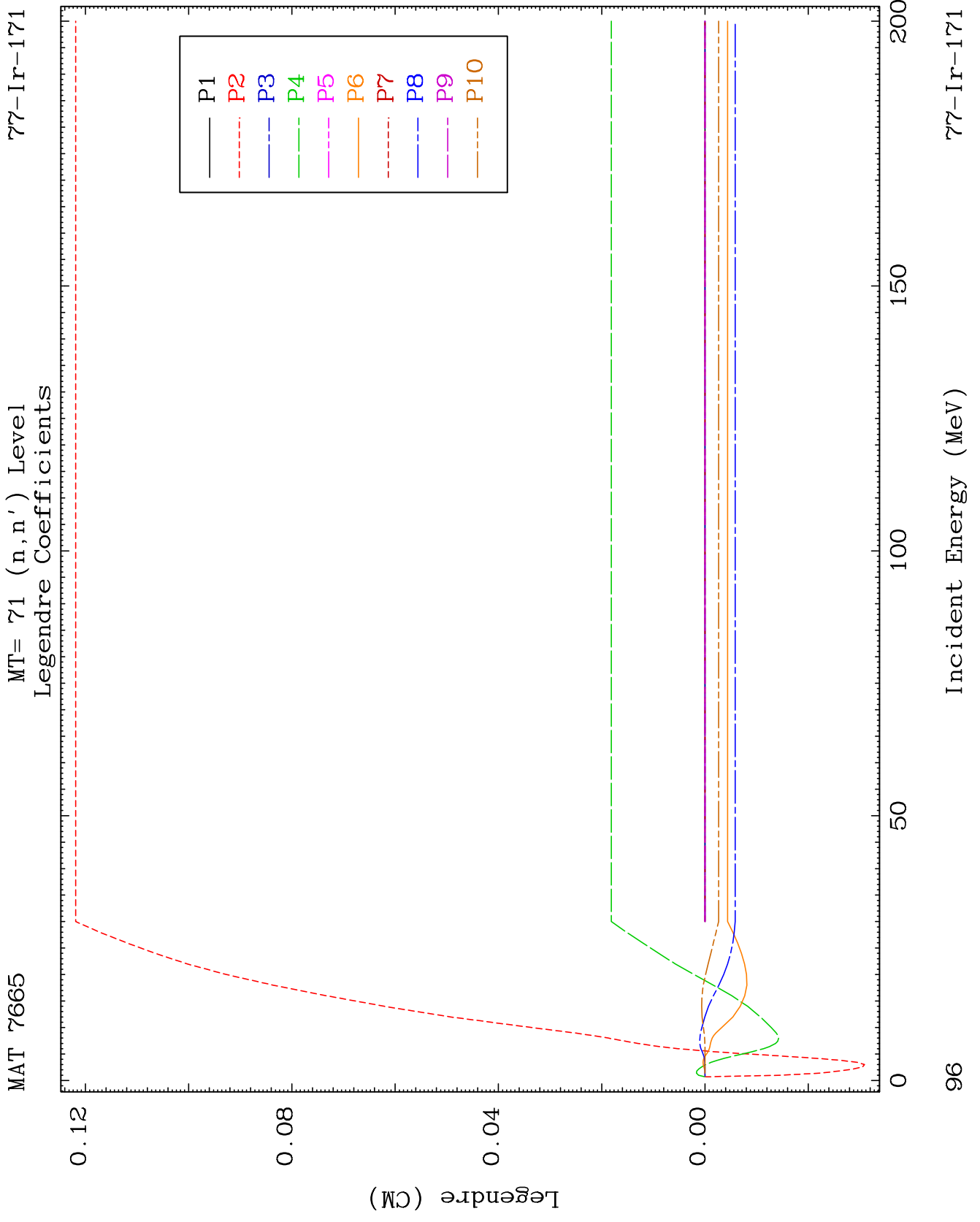


93

77-Ir-171



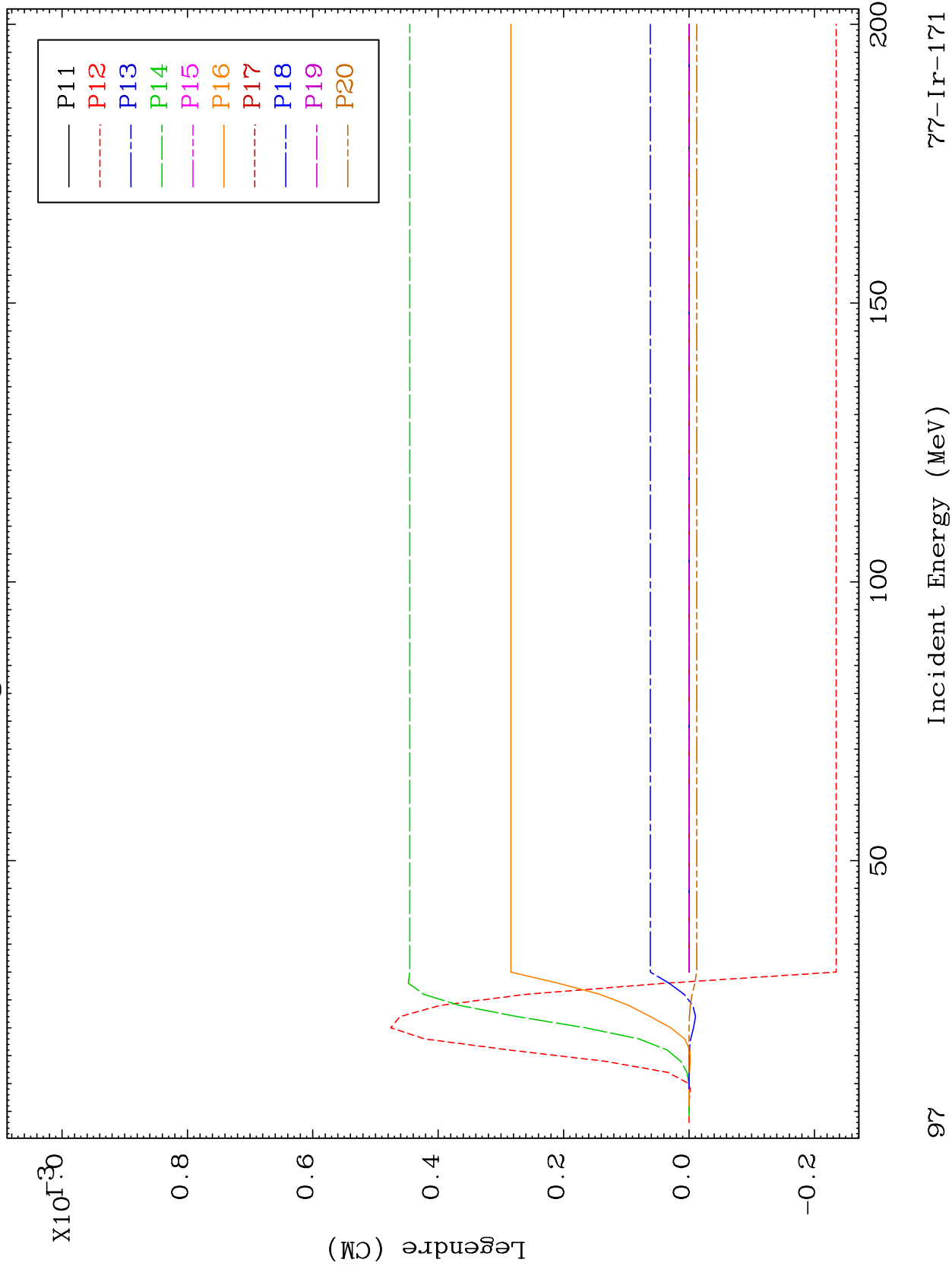




MAT 7665

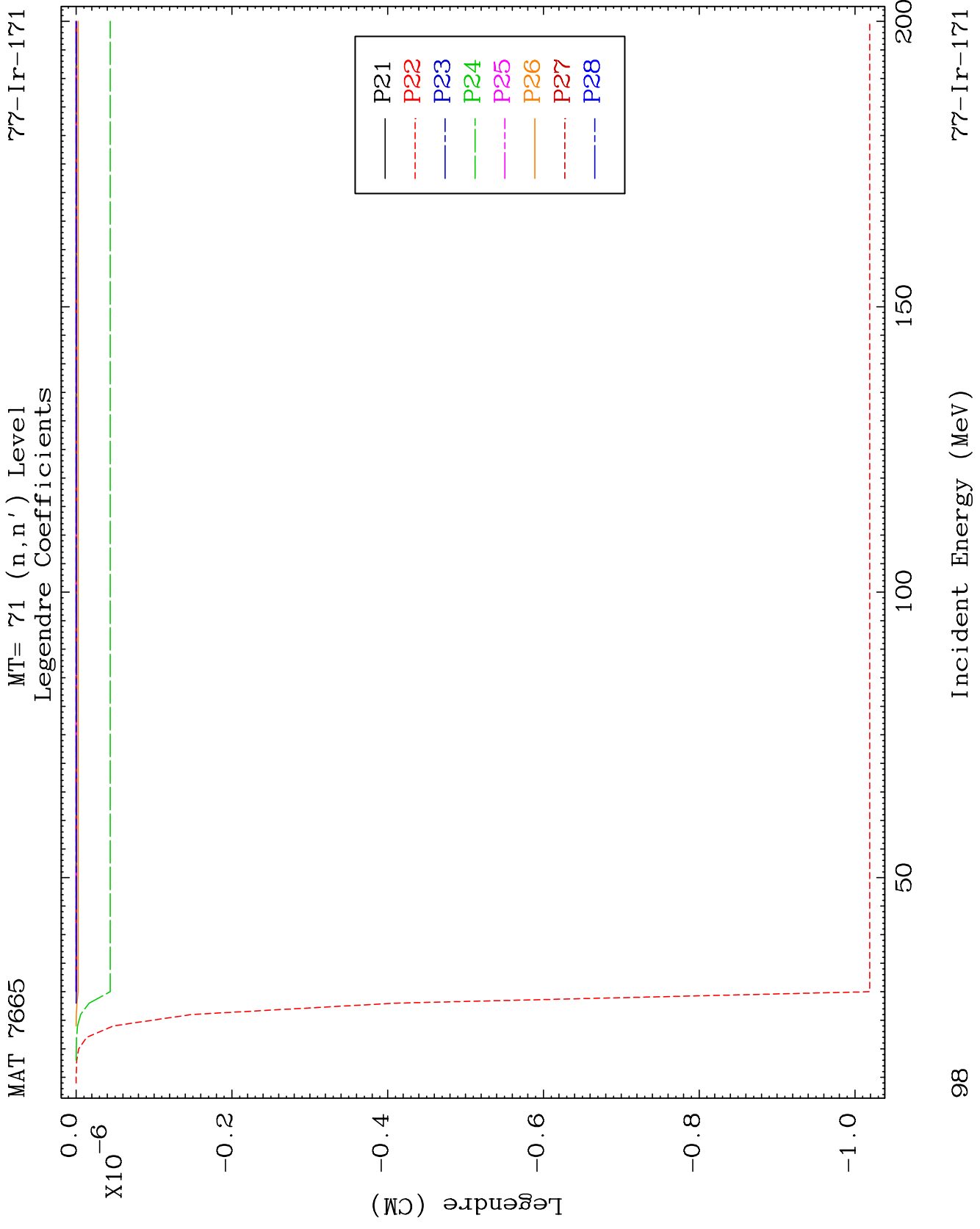
MT= 71 (n,n') Level
Legendre Coefficients

77-Ir-171



97

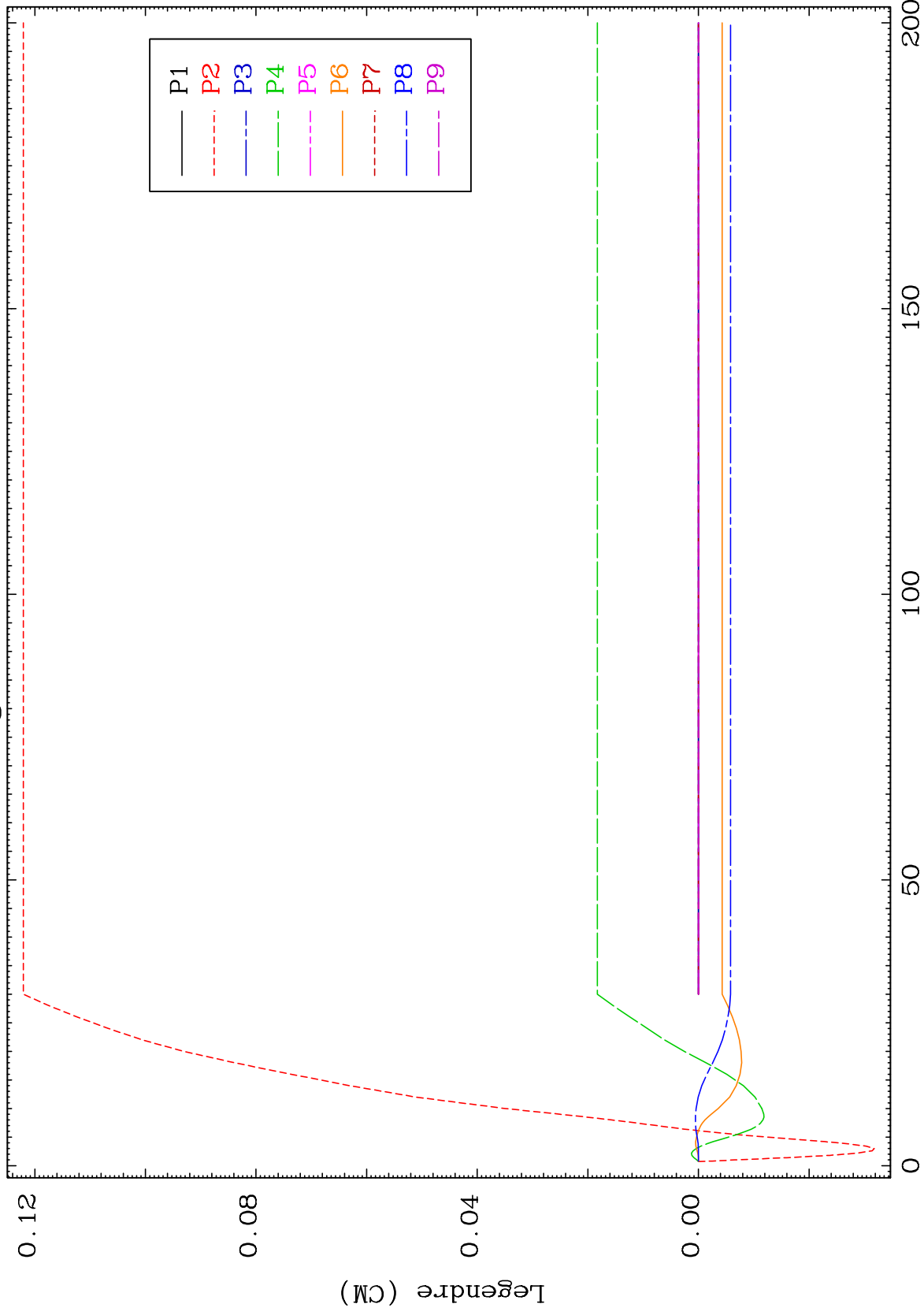
77-Ir-171



MAT 7665

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

77-Ir-171



99

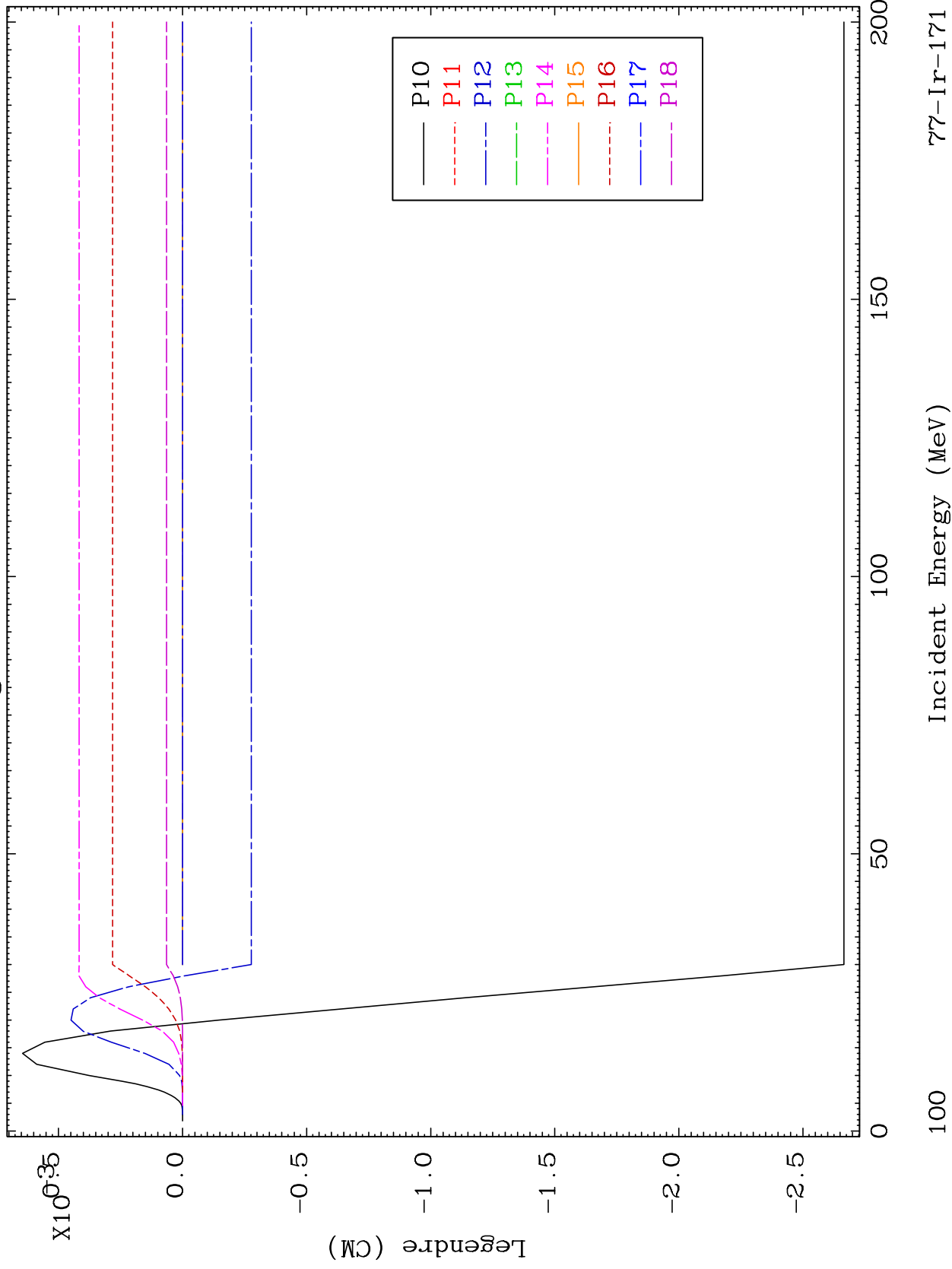
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

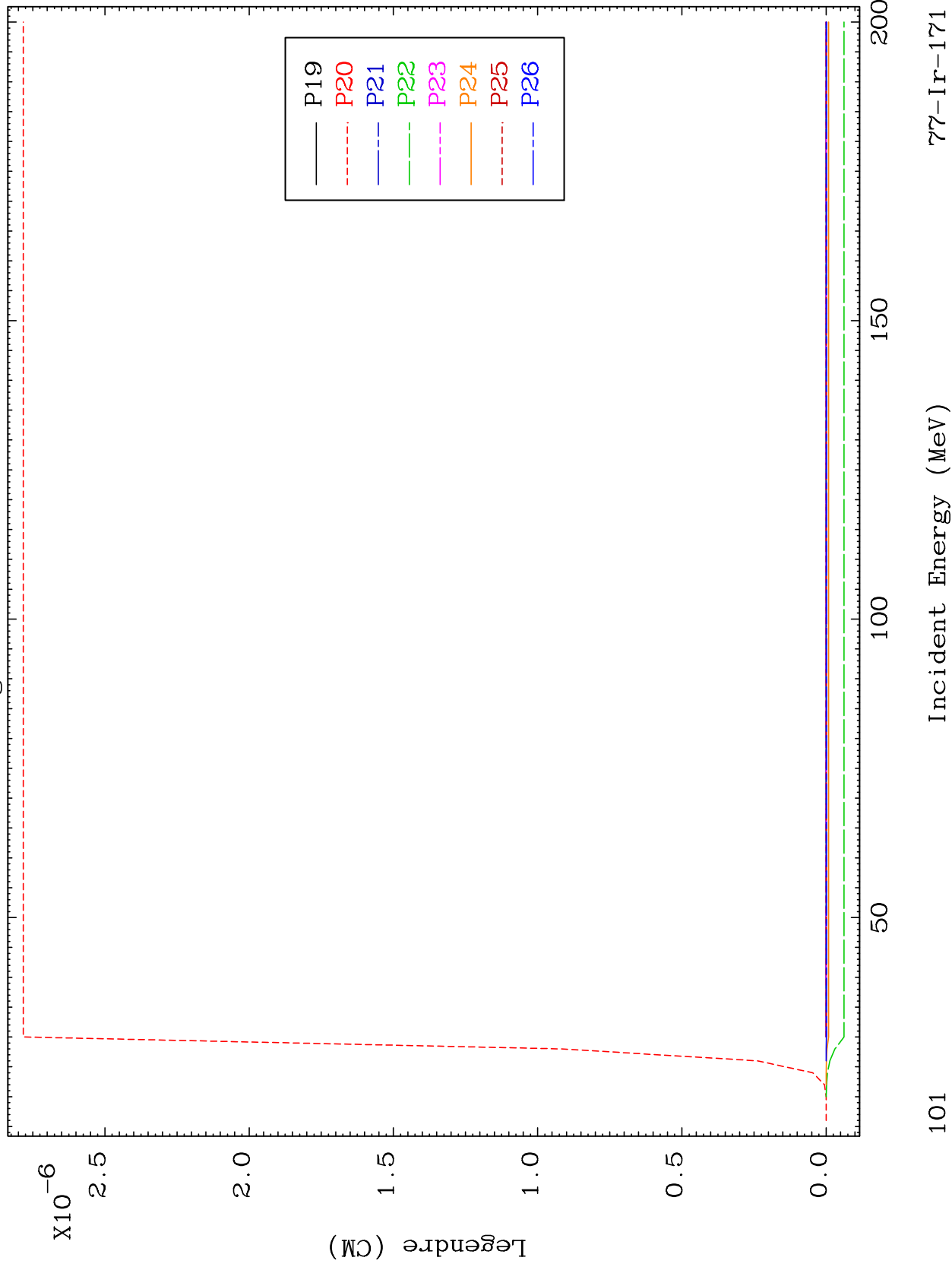
Incident Energy (MeV)

100

MAT 7665

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

77-Ir-171



101

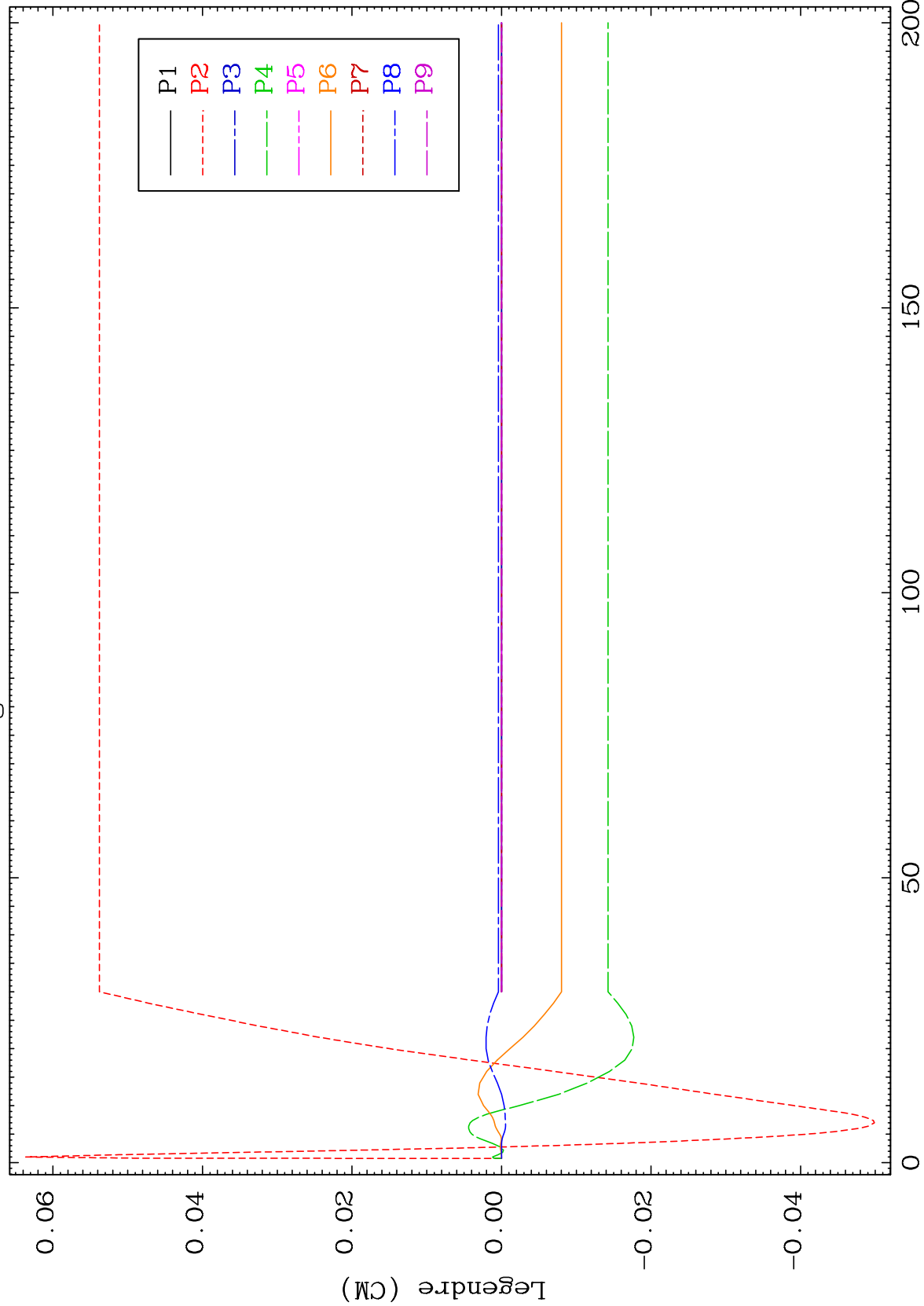
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

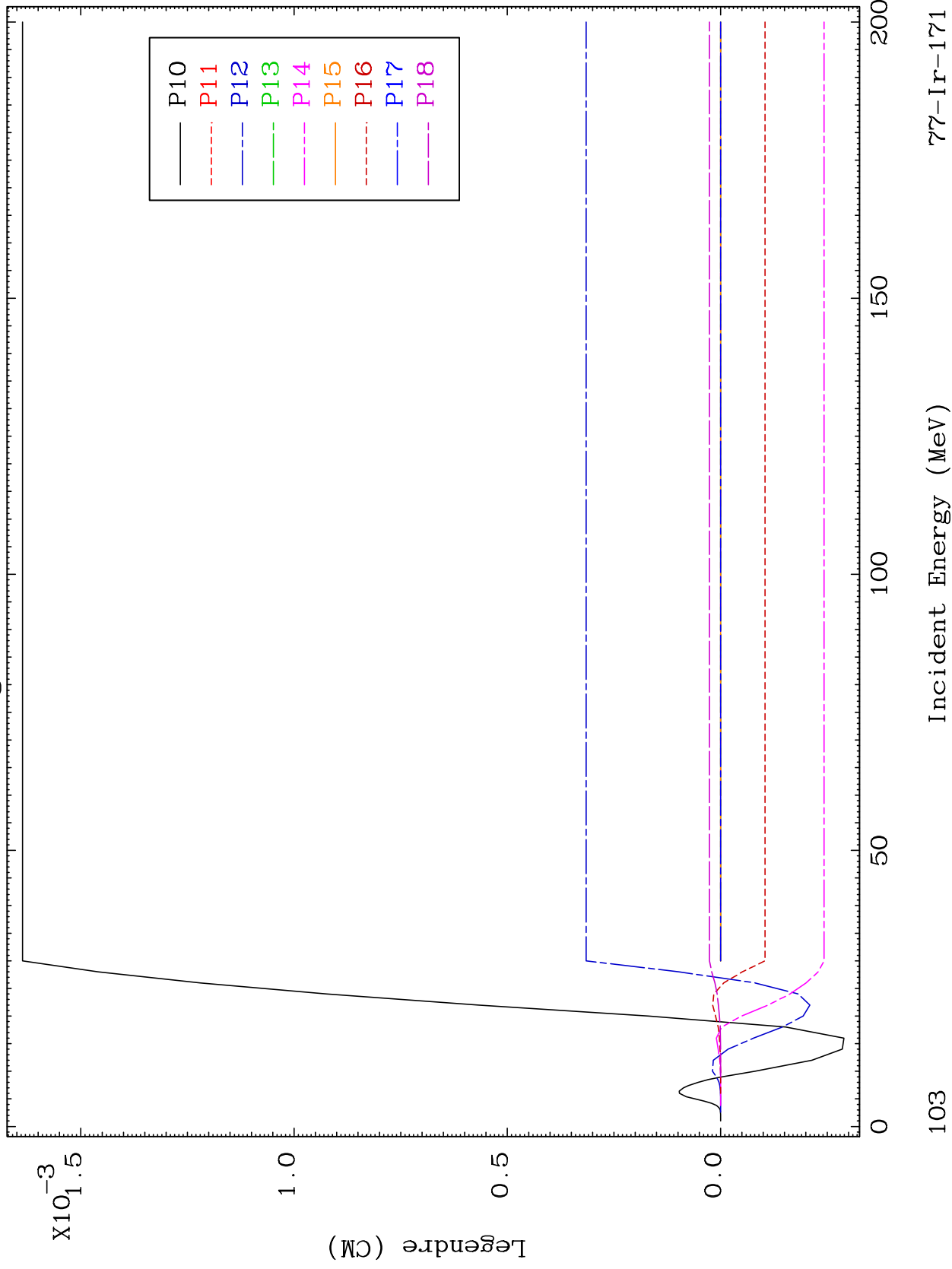
Incident Energy (MeV)

102

MAT 7665

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

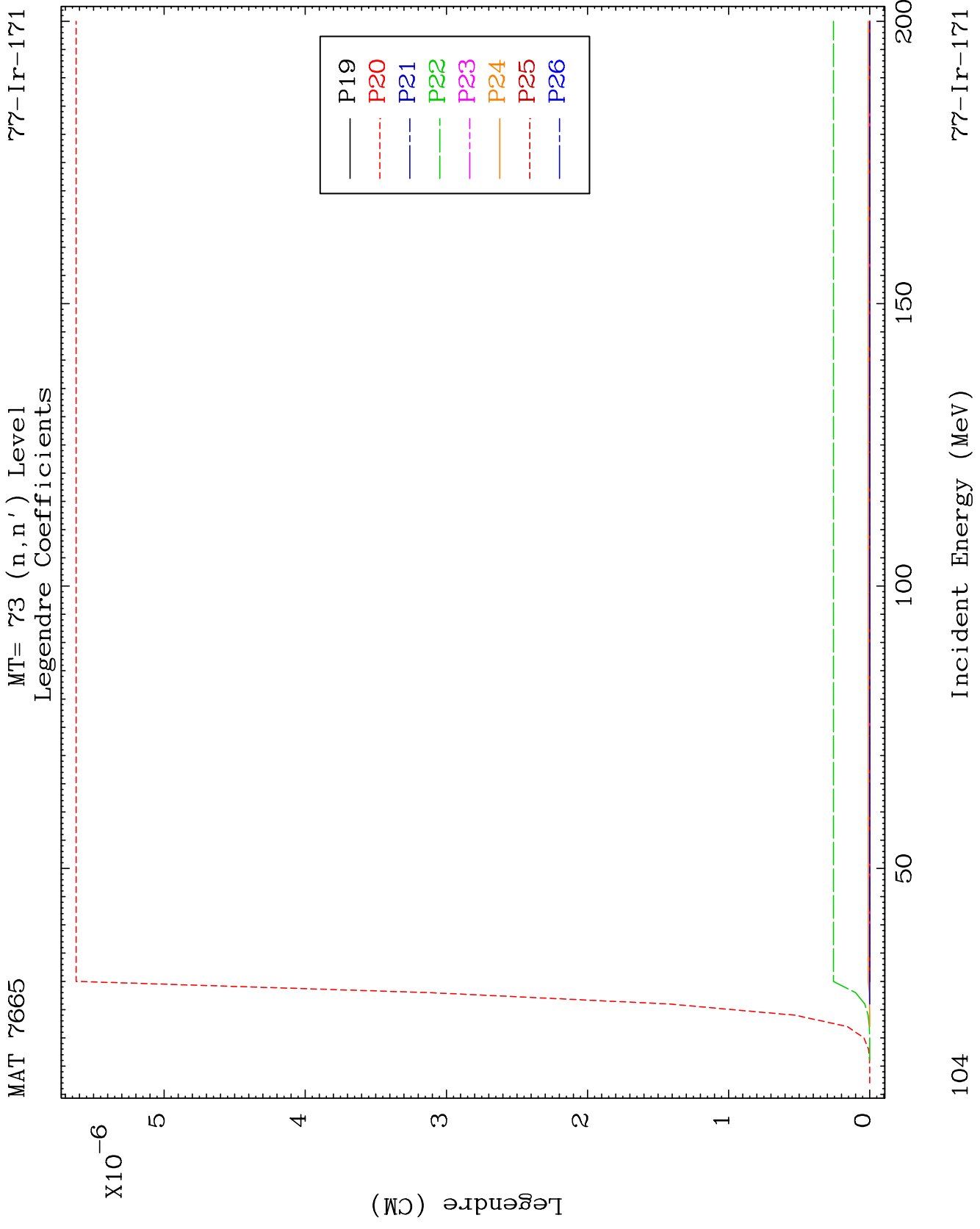
77-Ir-171

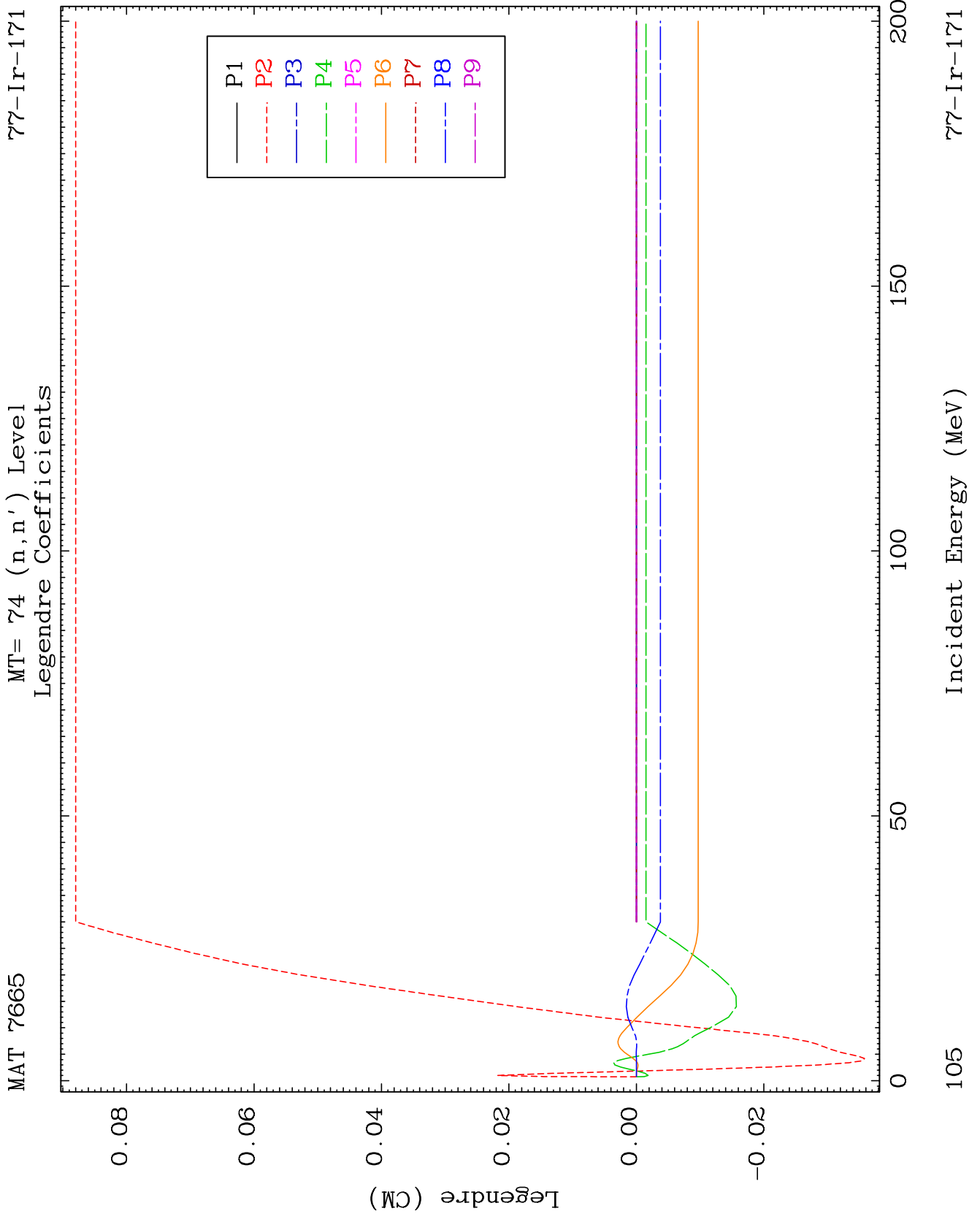


103

Incident Energy (MeV)

77-Ir-171

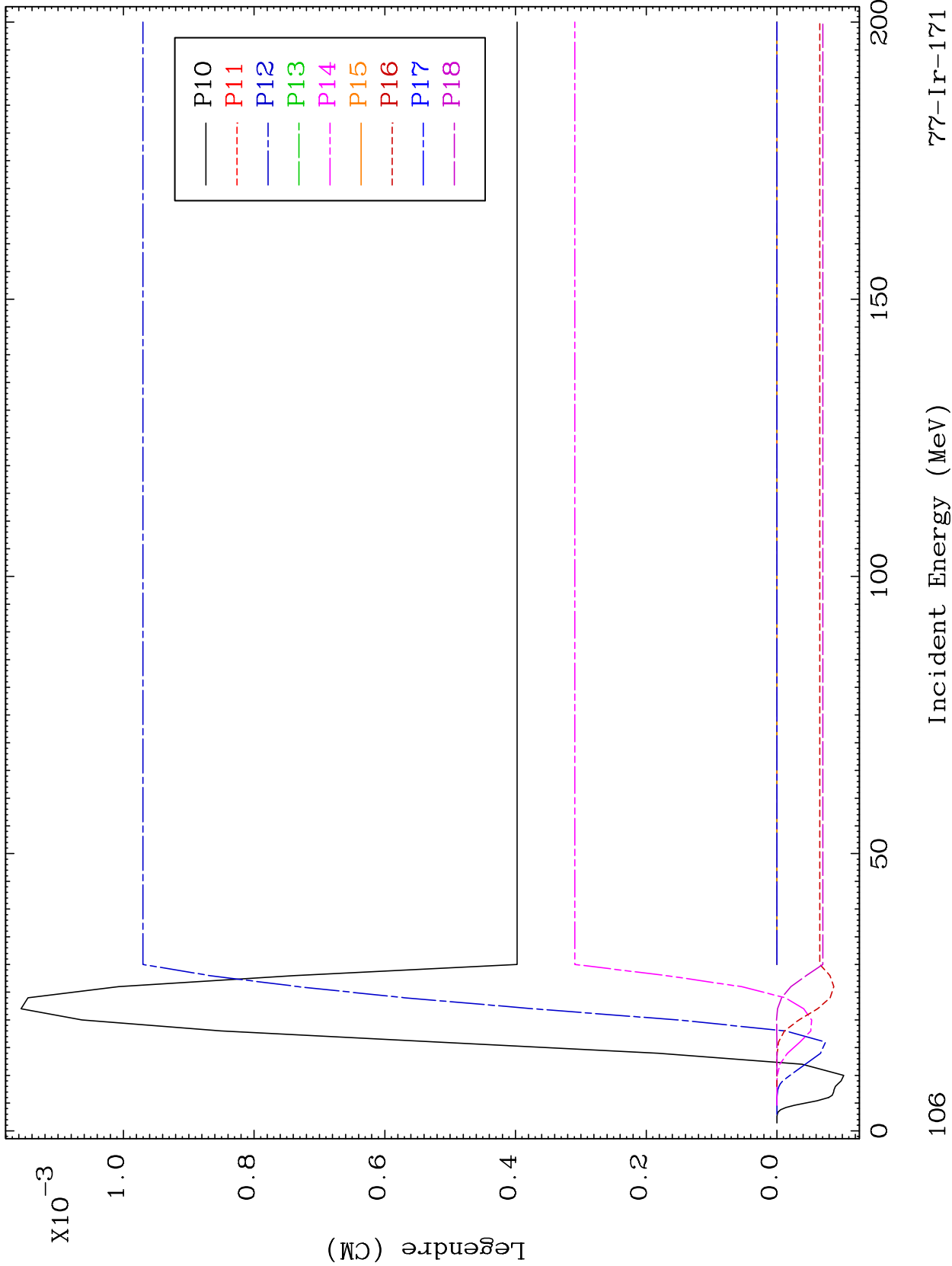




MAT 7665

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

77-Ir-171



77-Ir-171

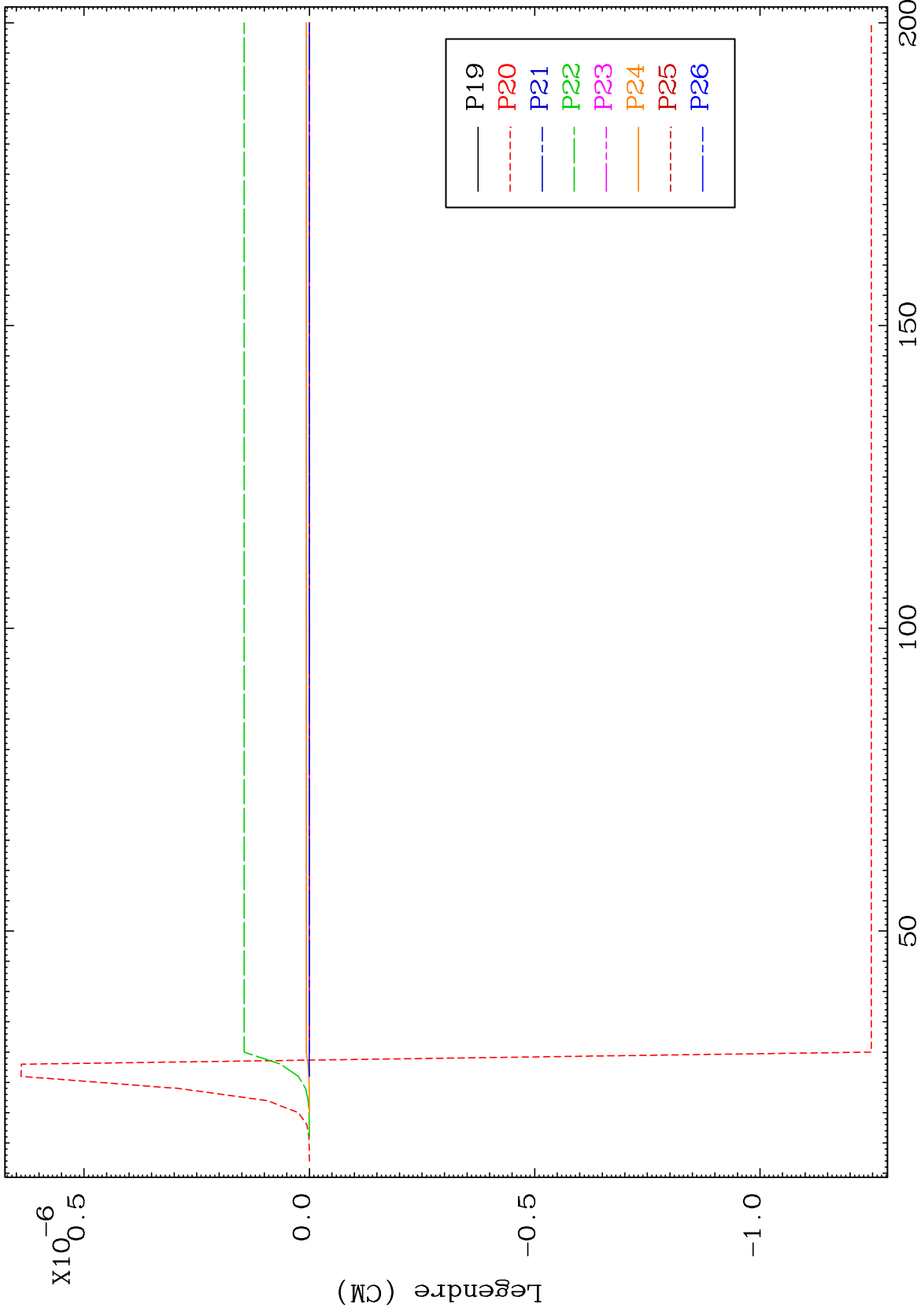
Incident Energy (MeV)

106

MAT 7665

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

77-Ir-171



107

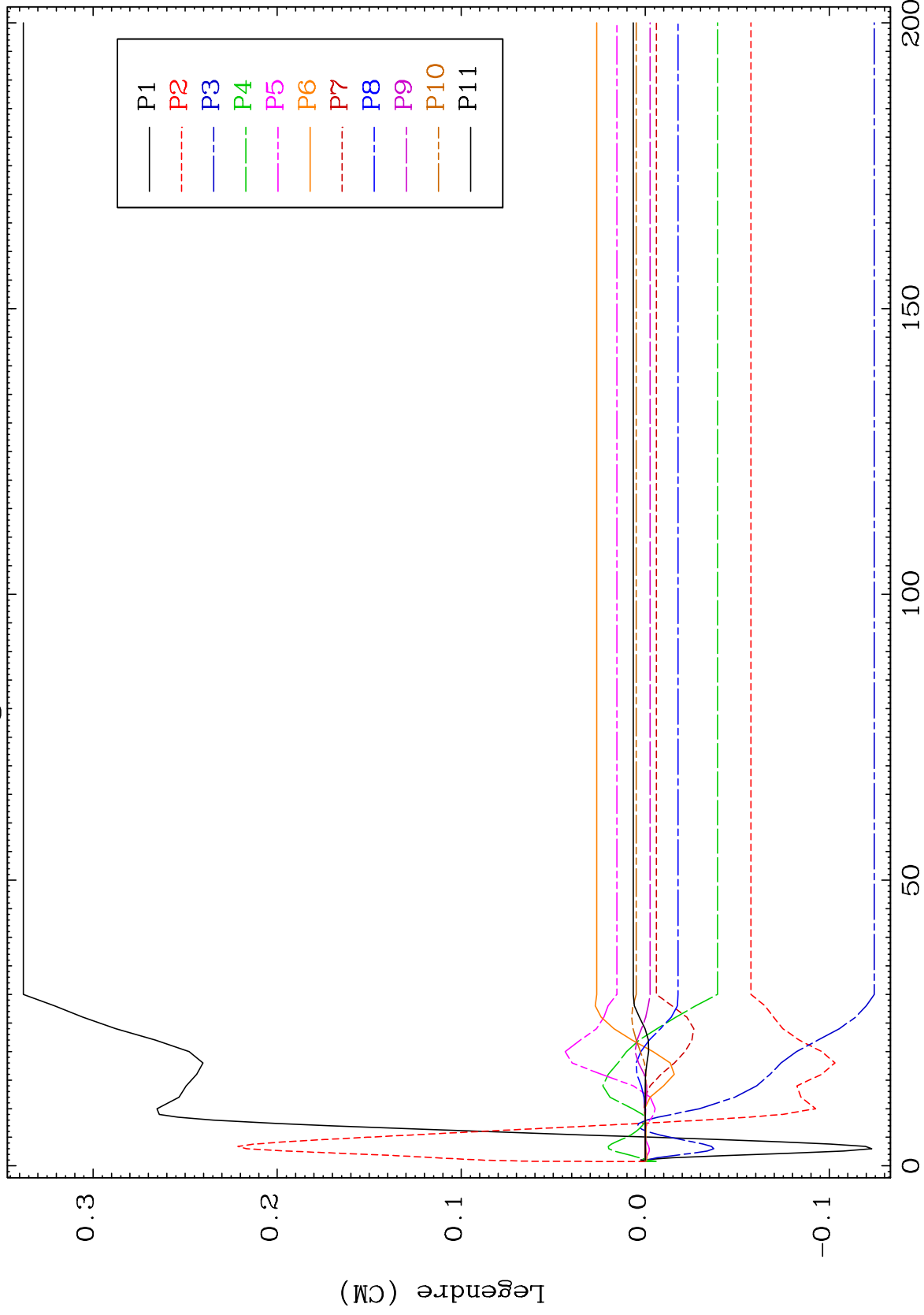
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



108

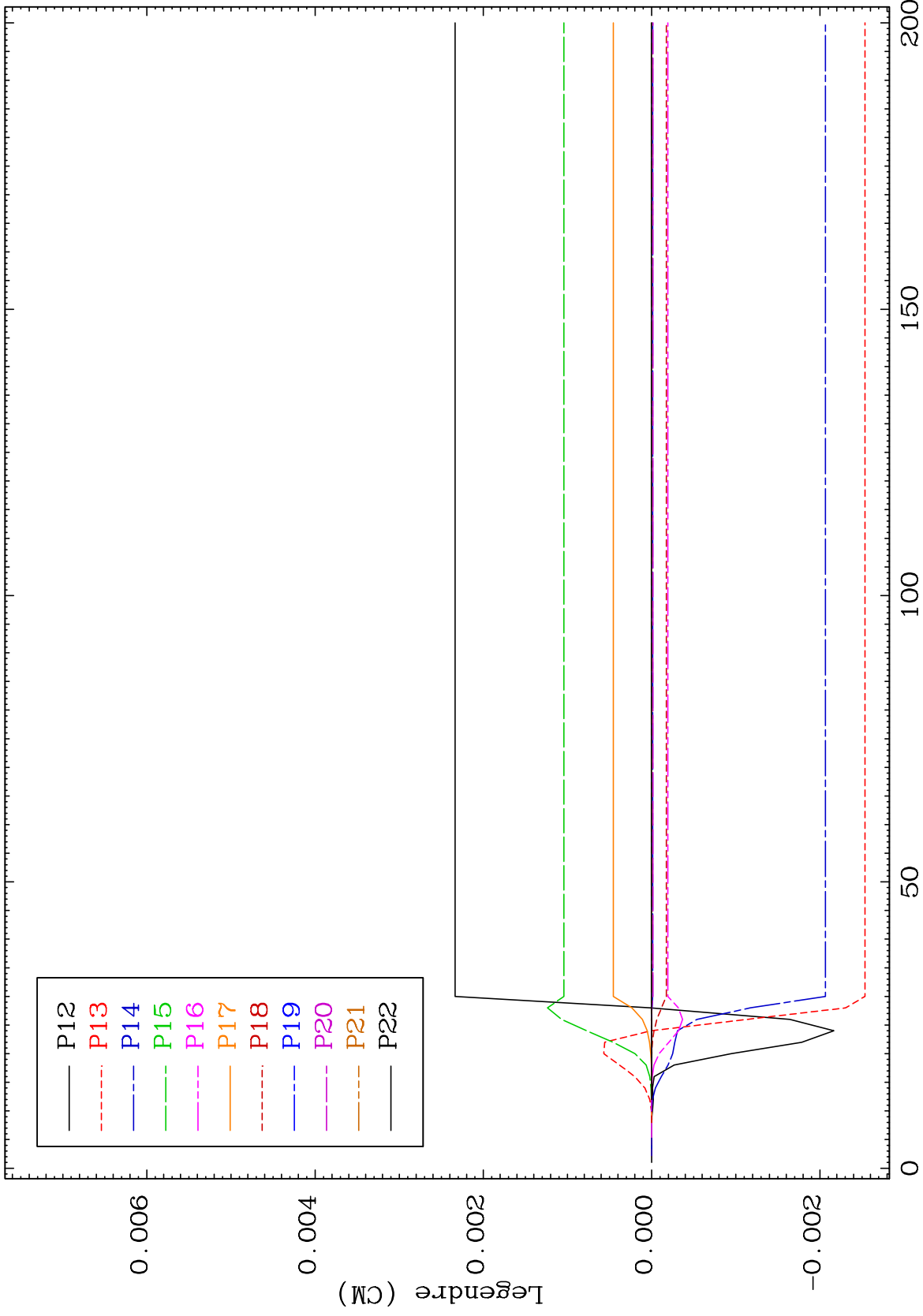
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



109

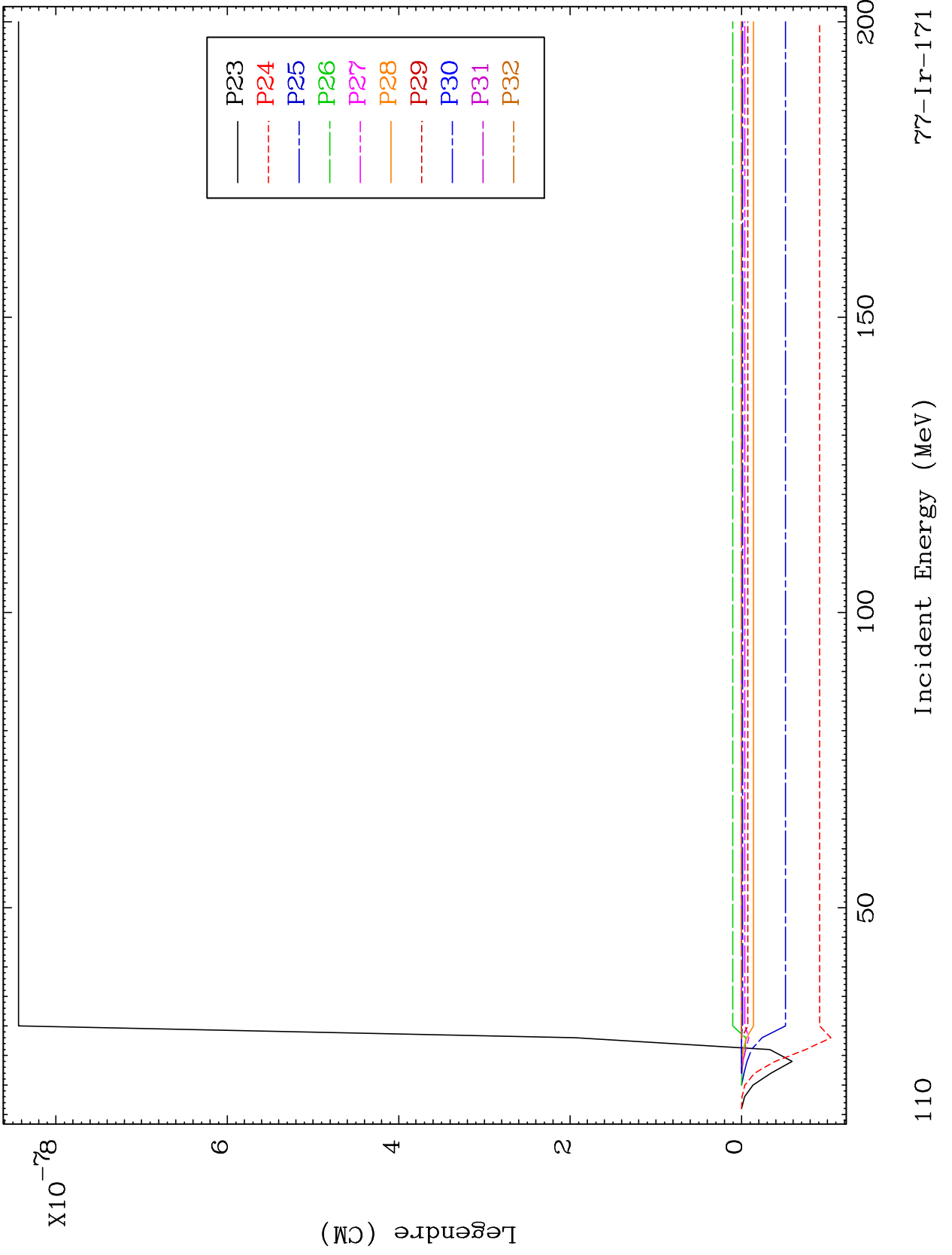
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



110

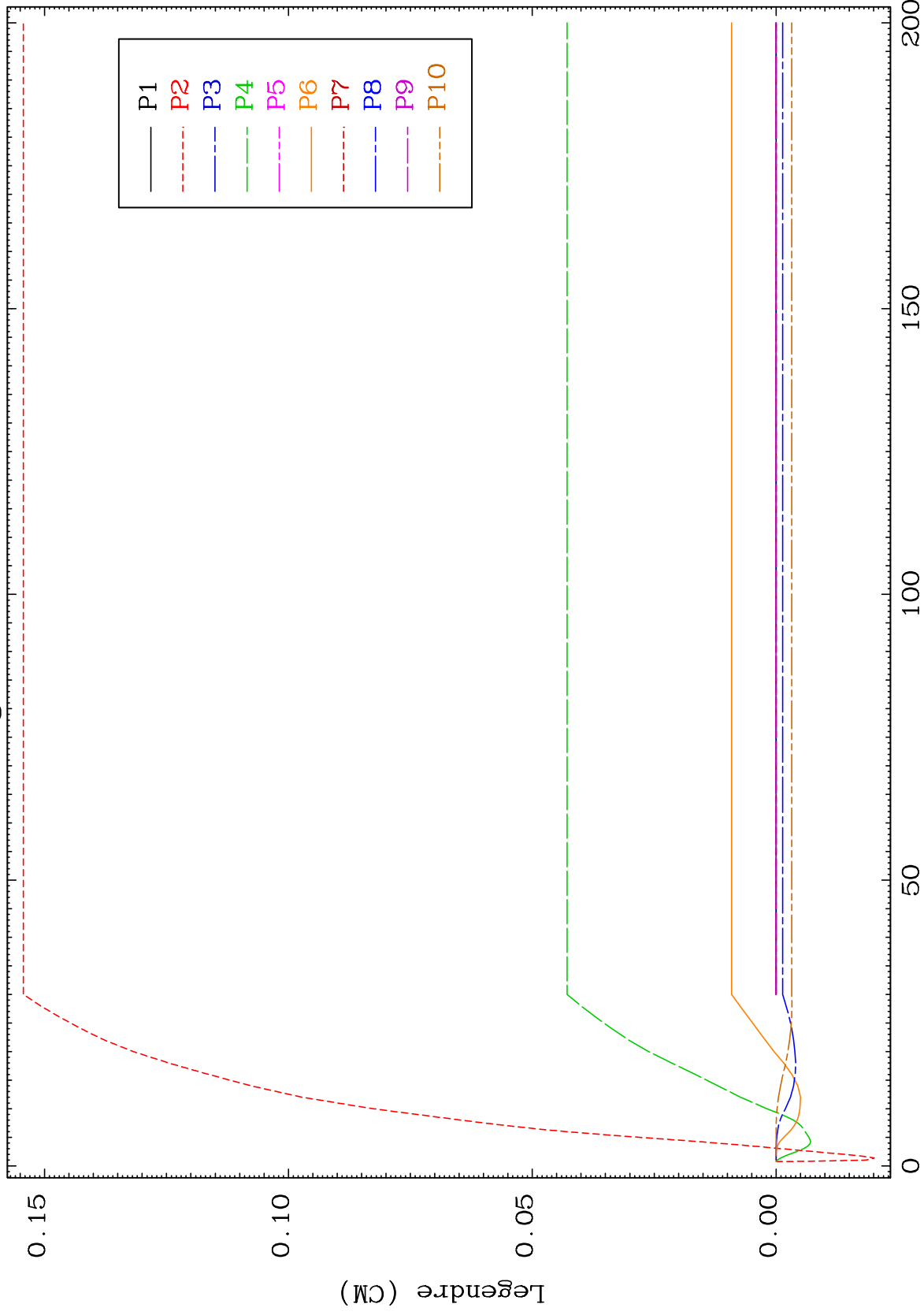
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



111

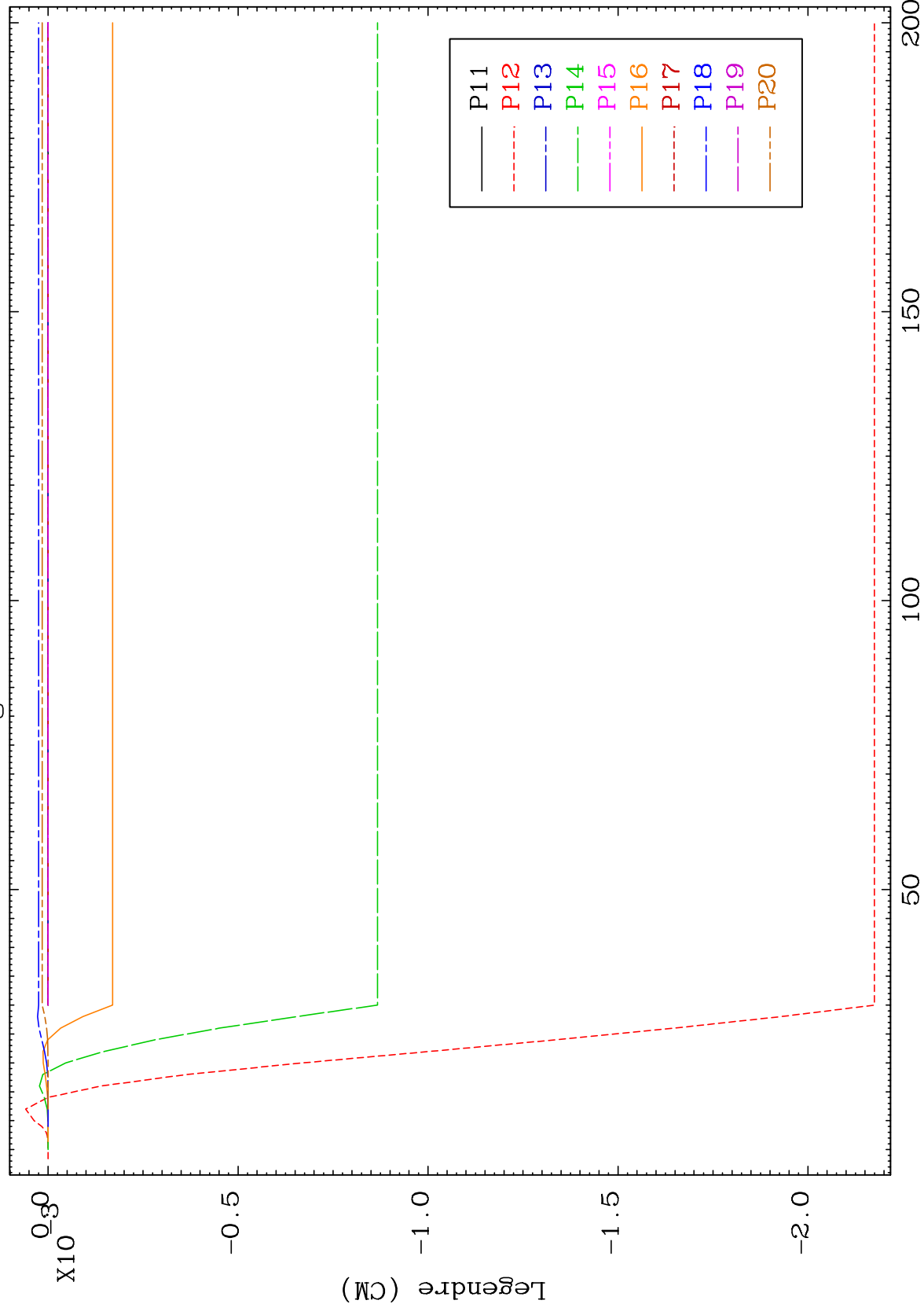
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



112

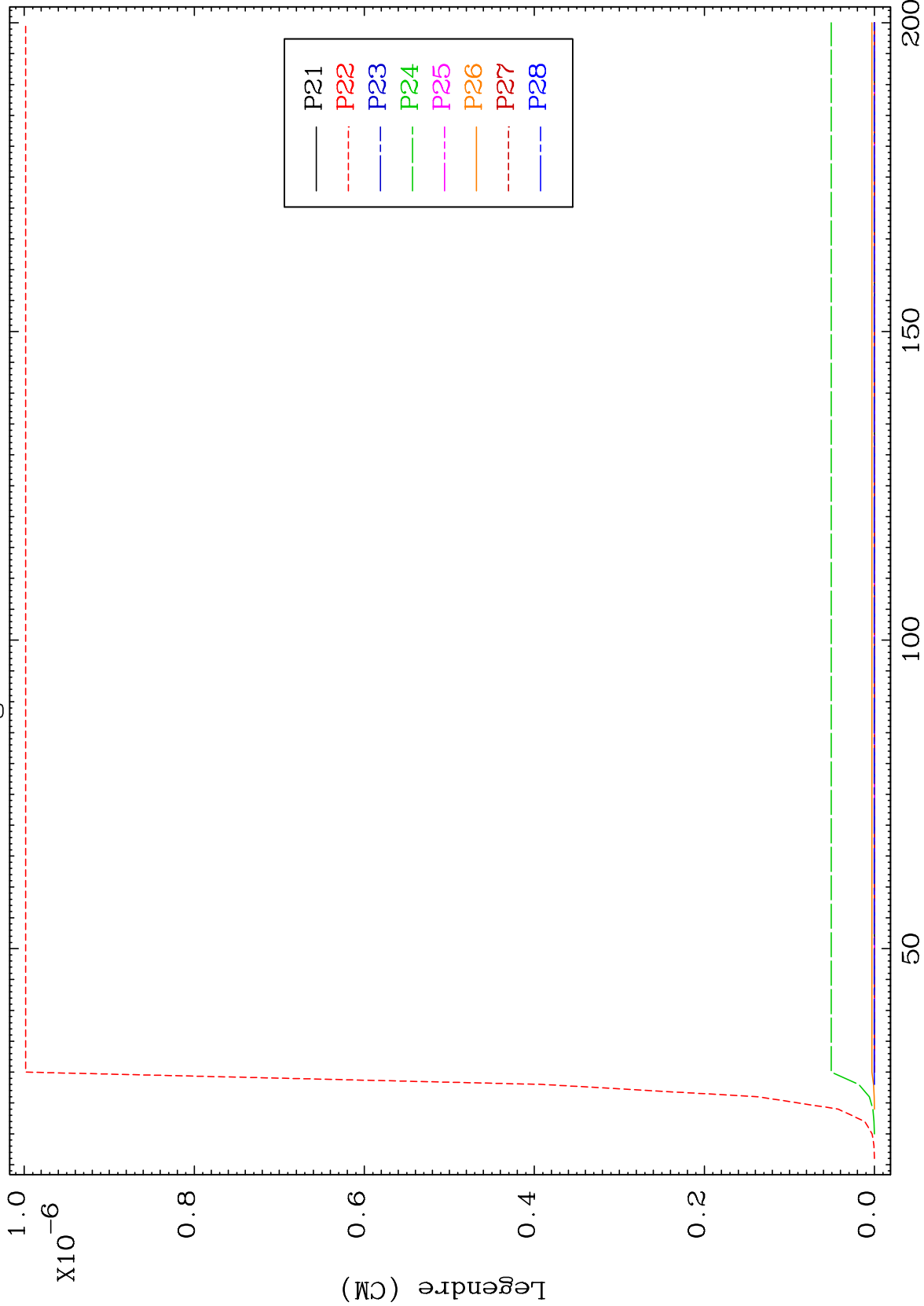
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

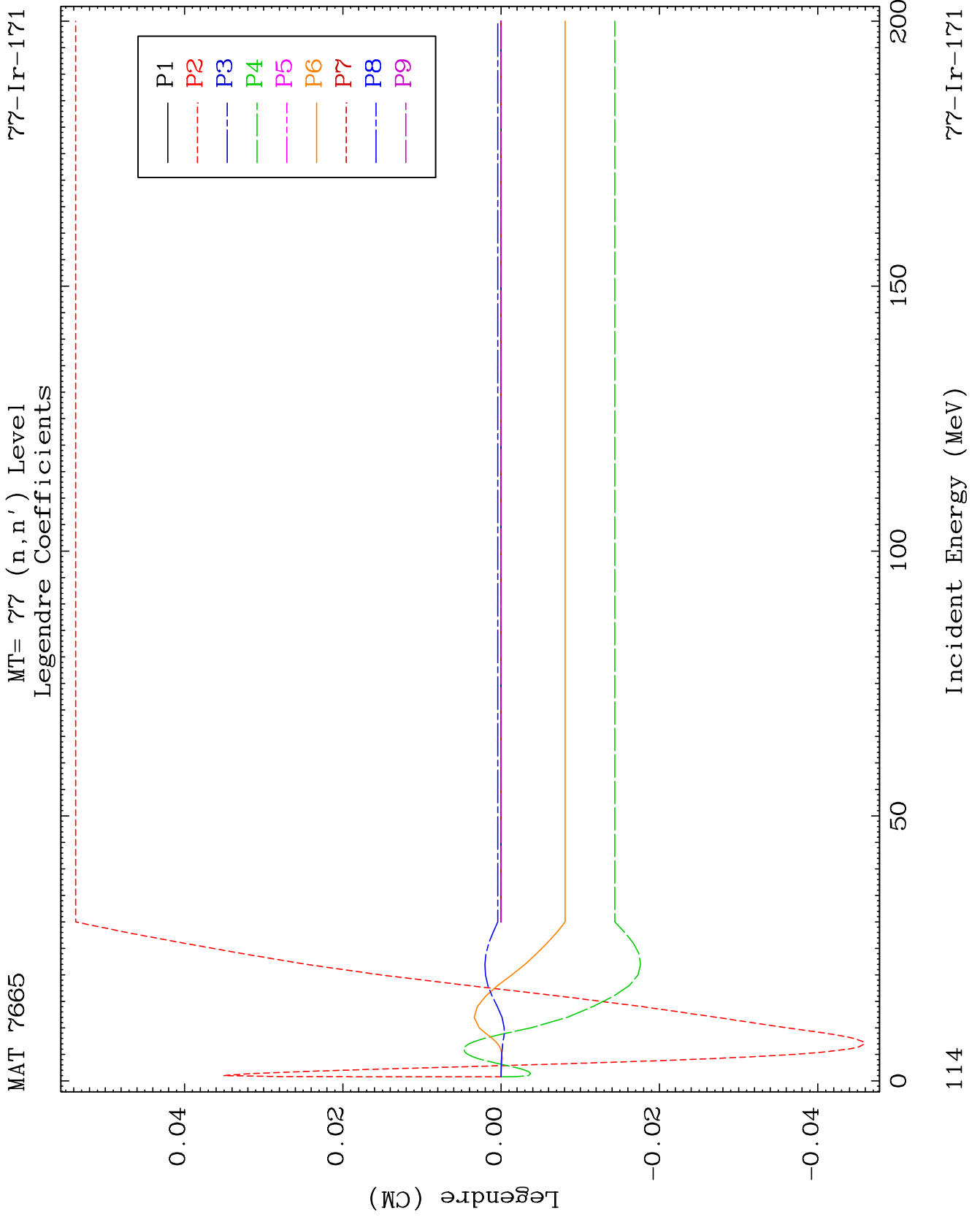
77-Ir-171



113

Incident Energy (MeV)

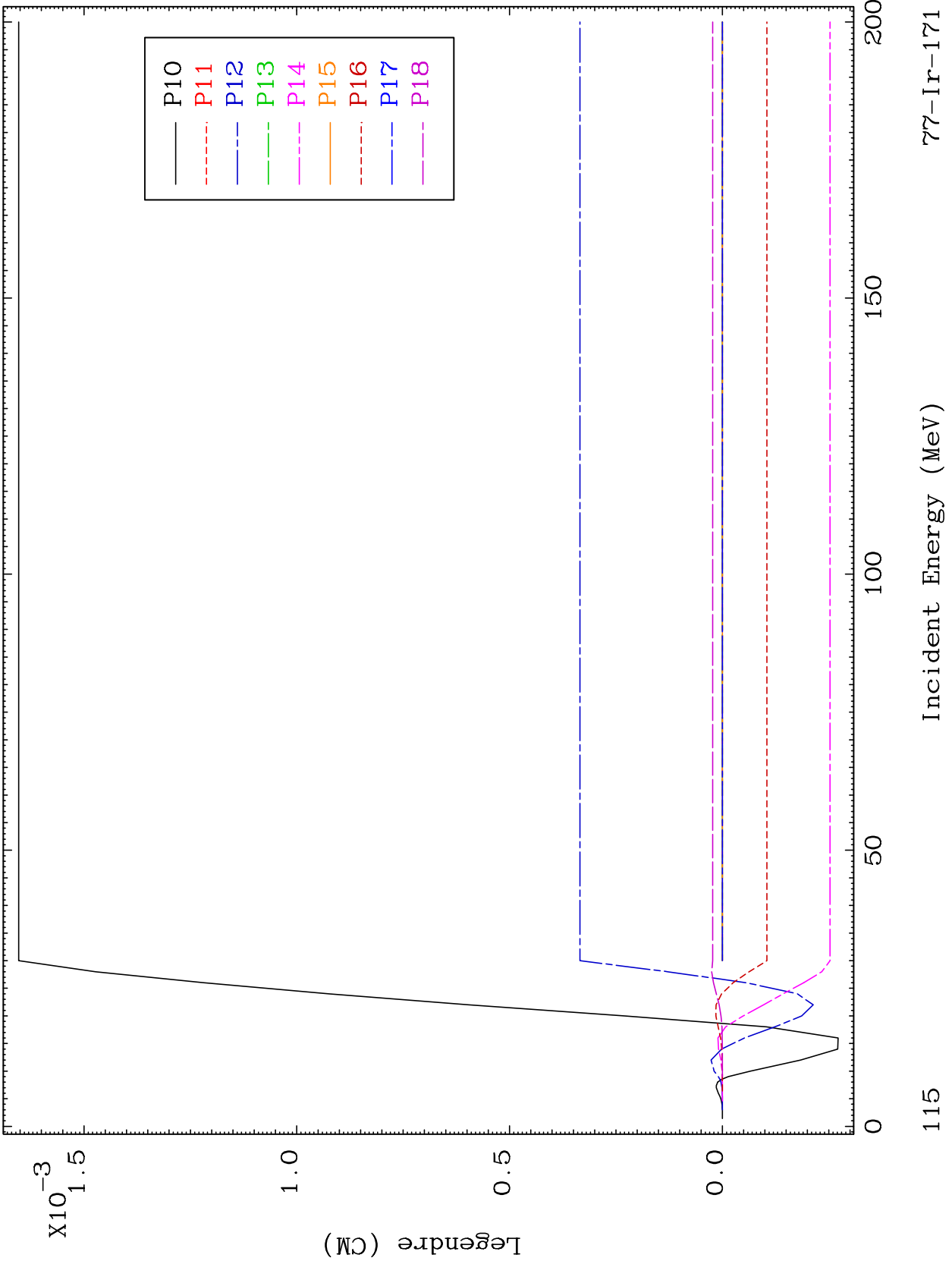
77-Ir-171



MAT 7665

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

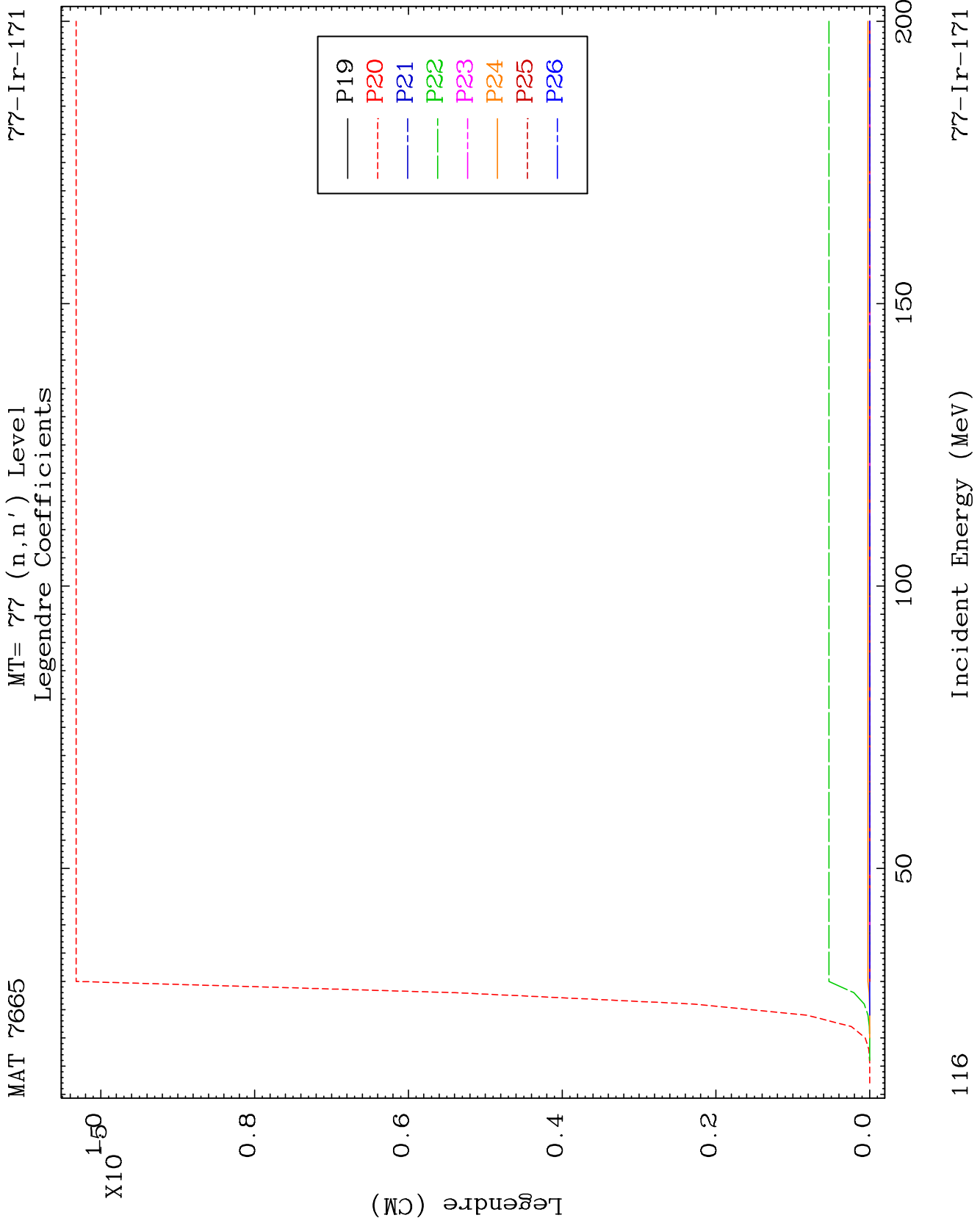
77-Ir-171

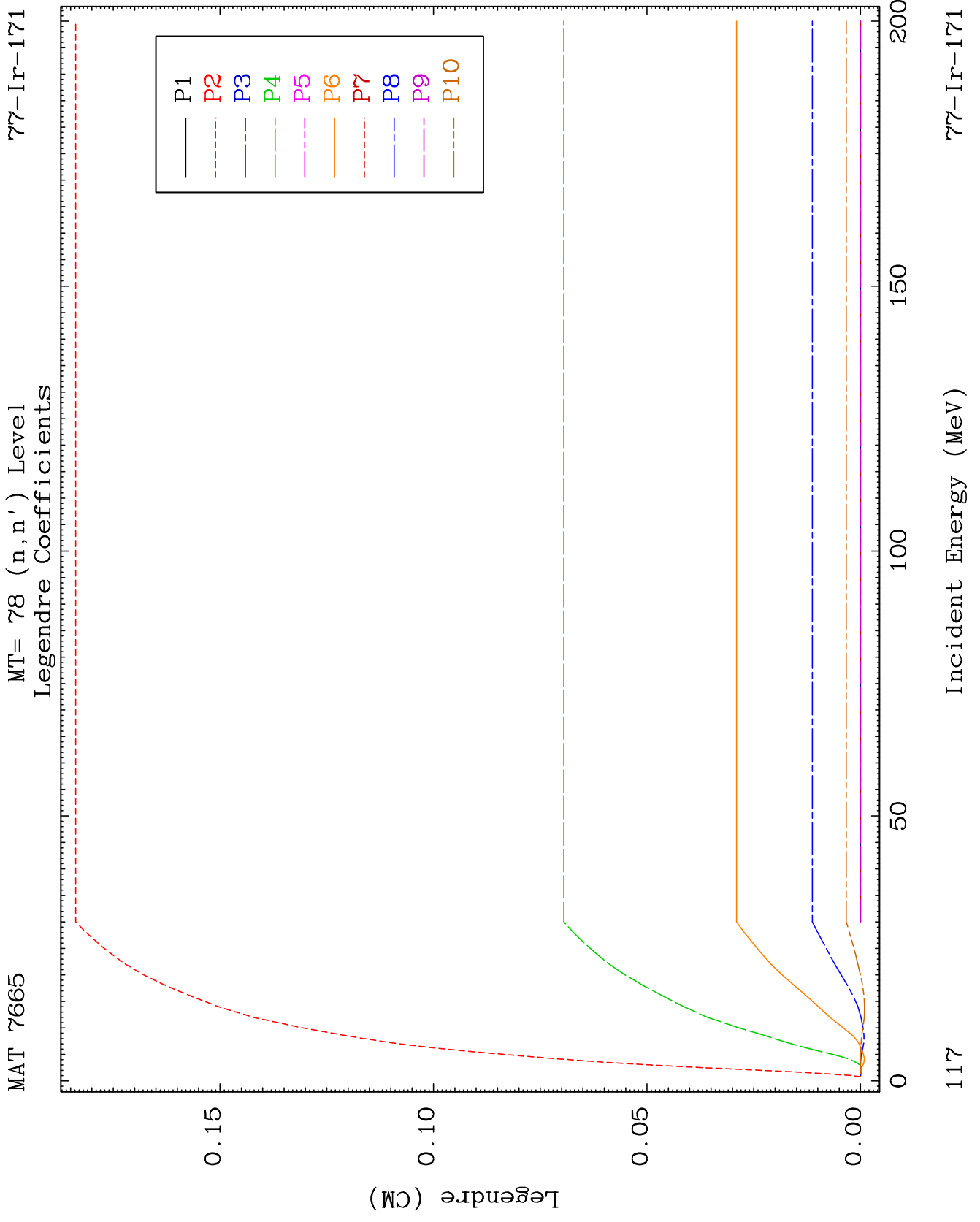


77-Ir-171

Incident Energy (MeV)

115

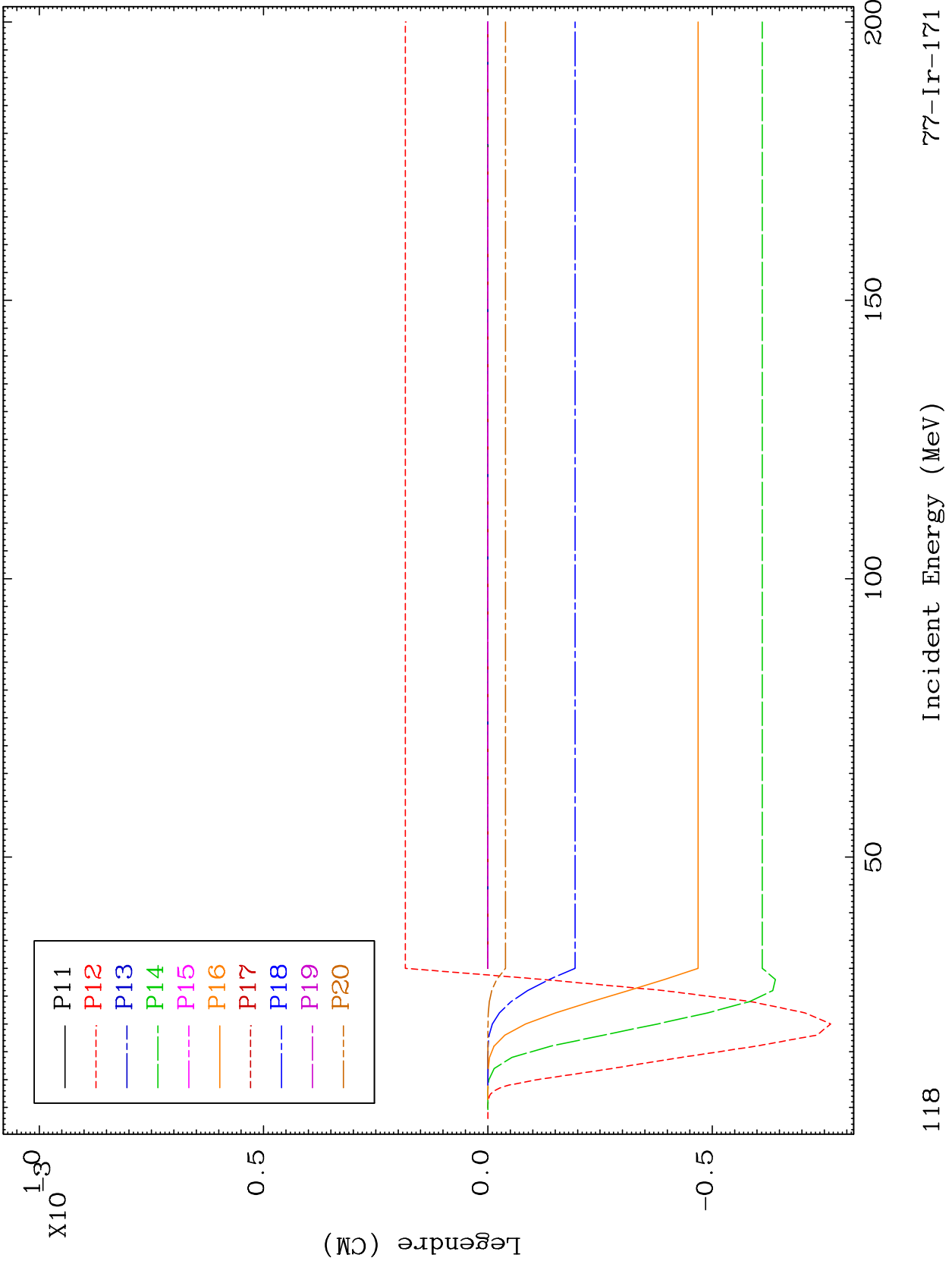


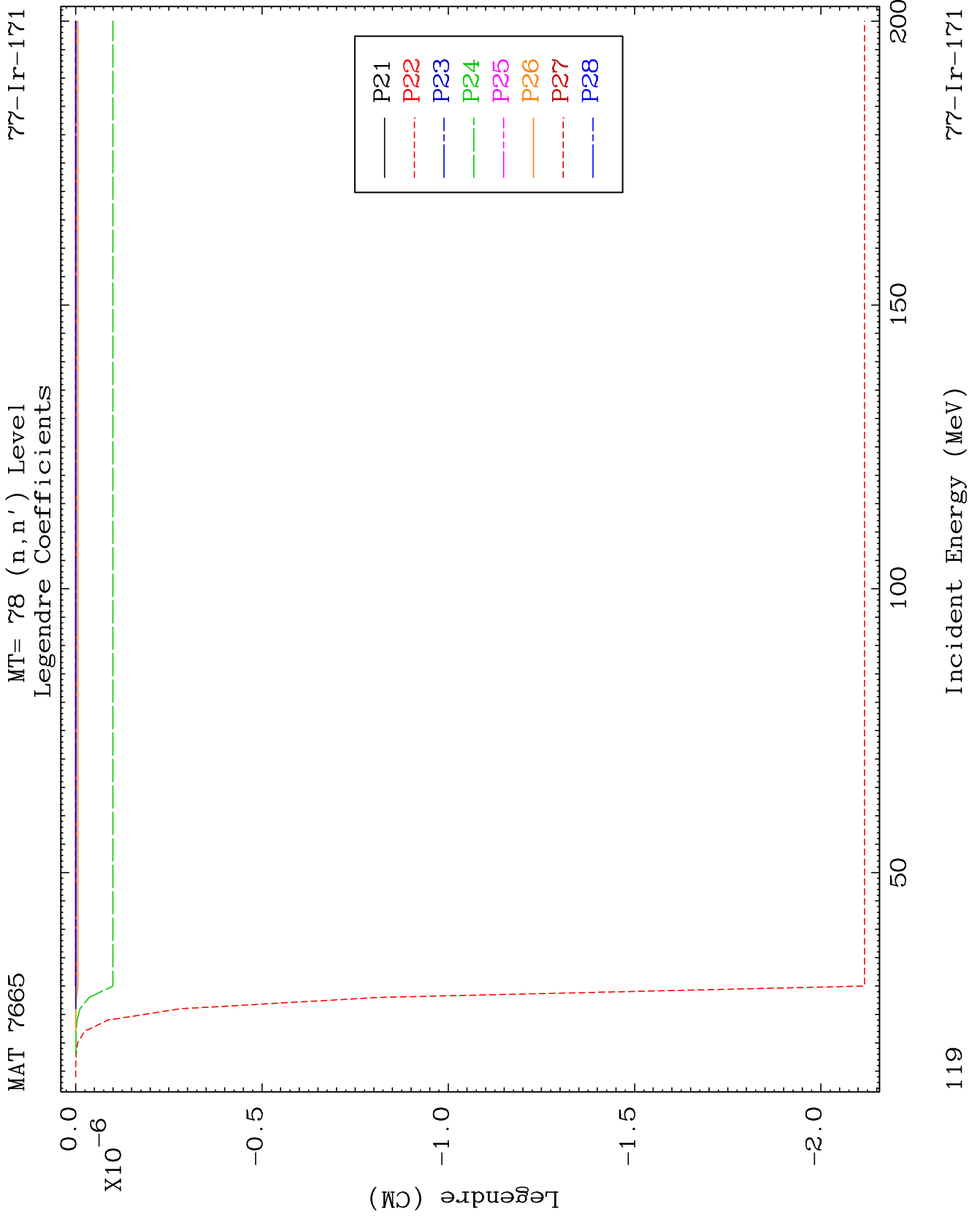


77-Ir-171

Incident Energy (MeV)

117

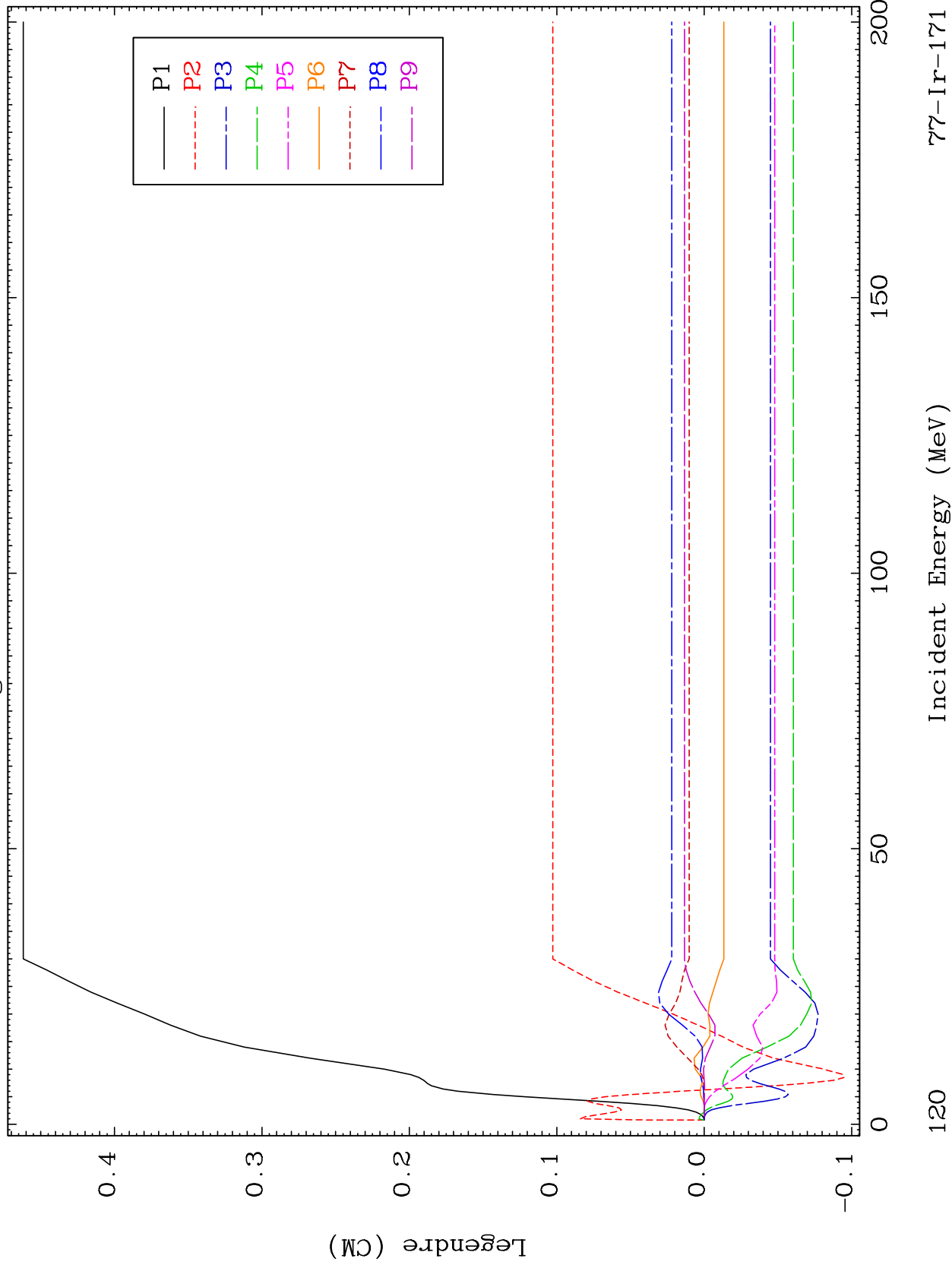




MAT 7665

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

77-Ir-171



77-Ir-171

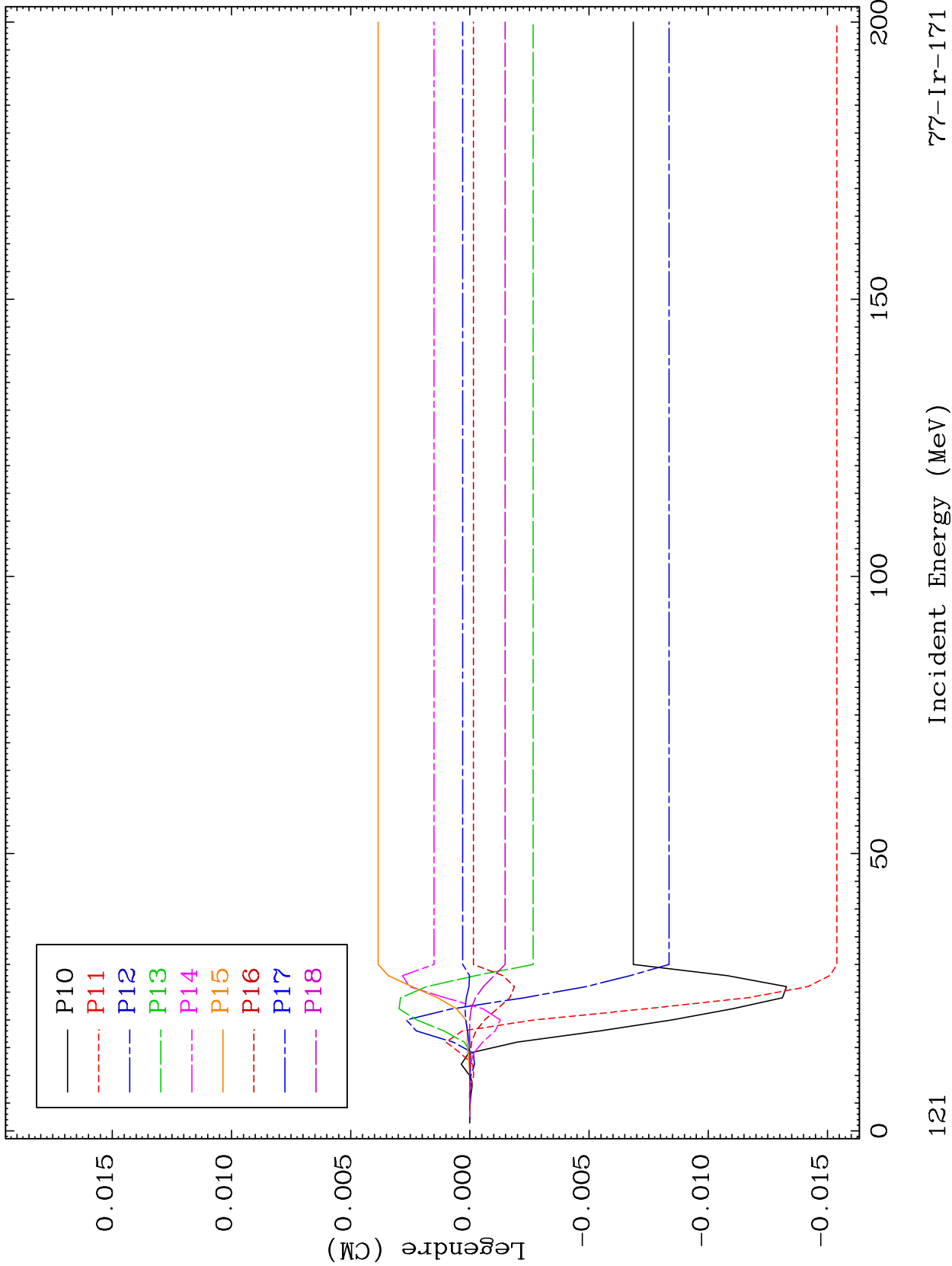
Incident Energy (MeV)

120

MAT 7665

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

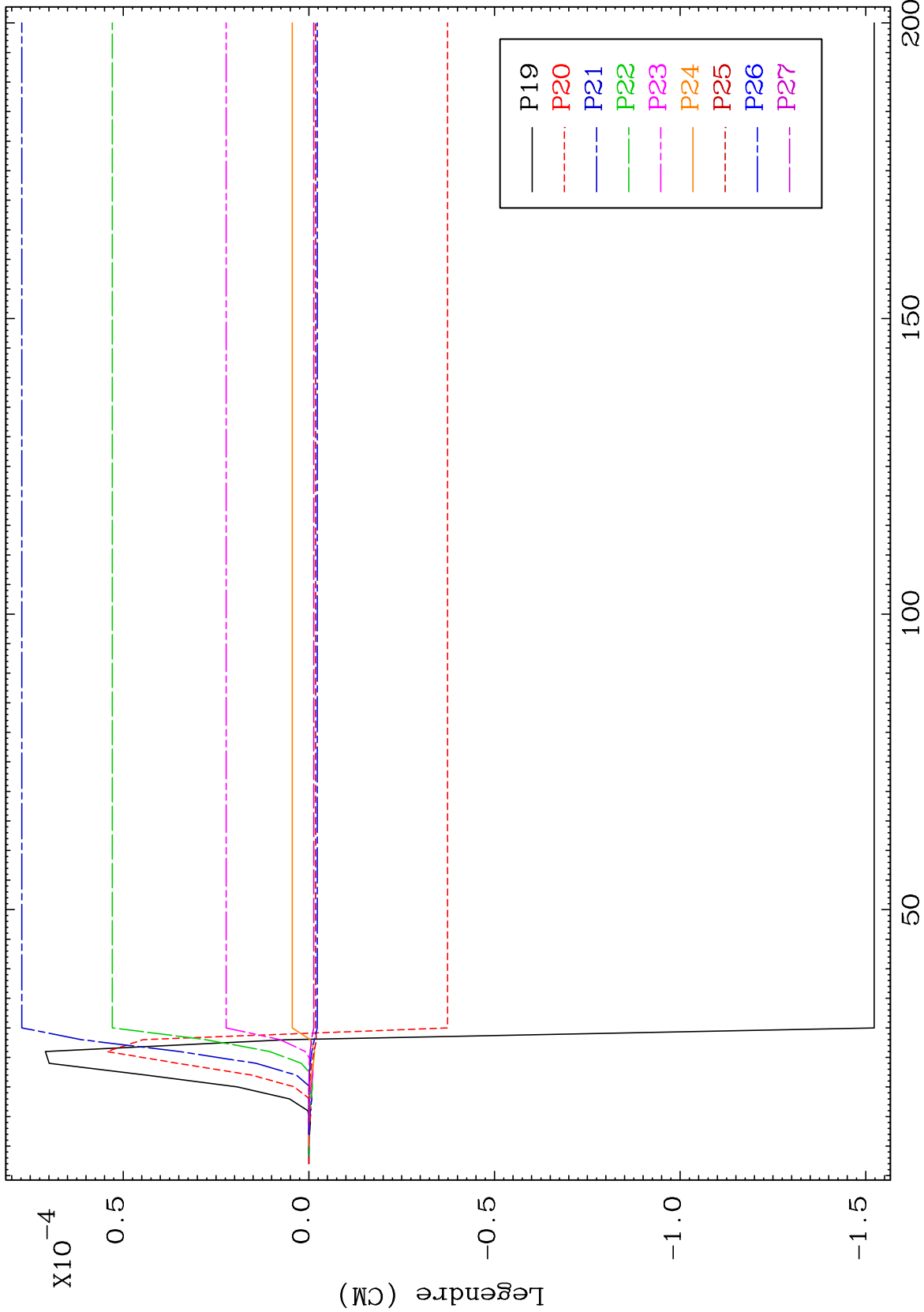
77-Ir-171

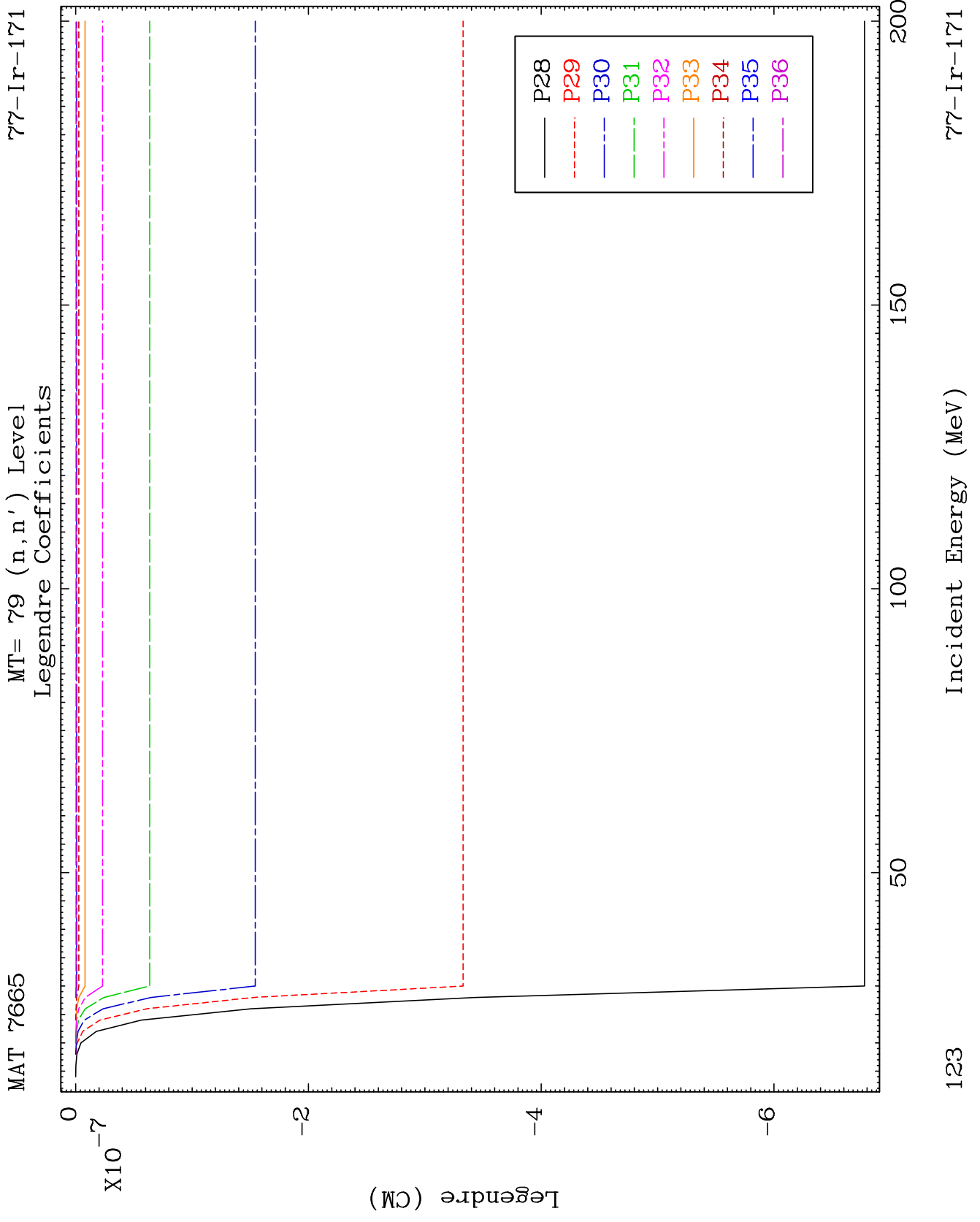


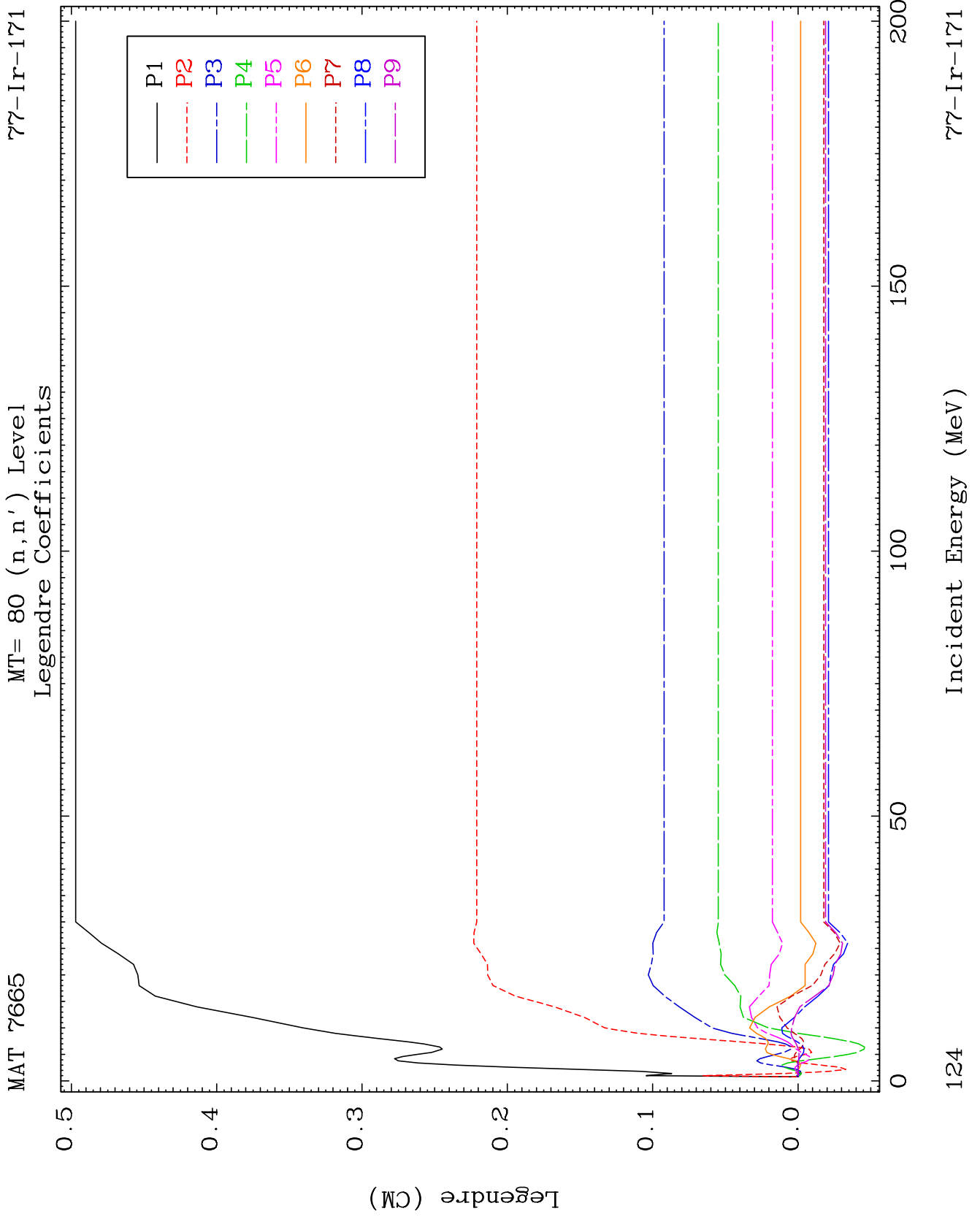
121

Incident Energy (MeV)

77-Ir-171



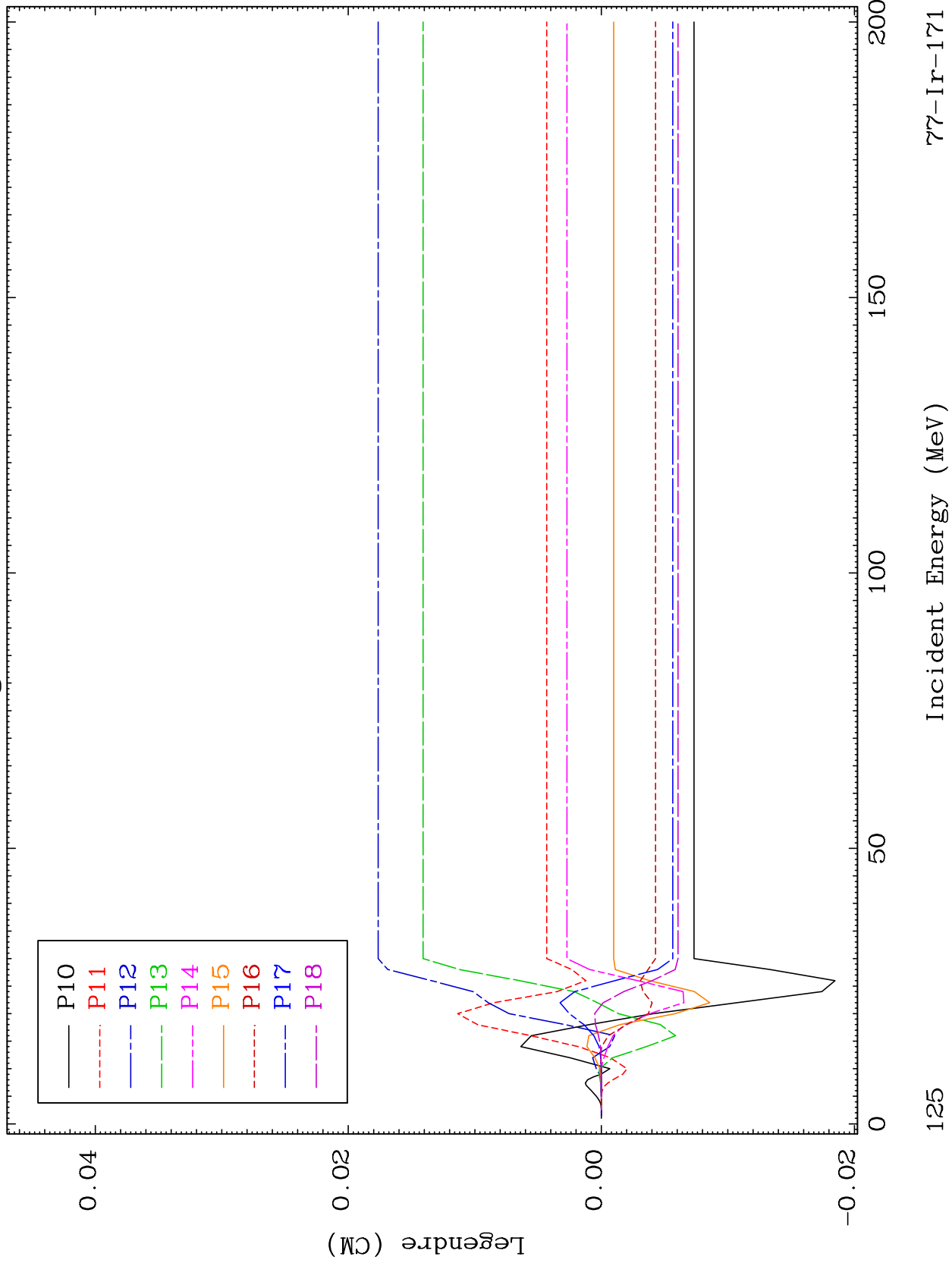




MAT 7665

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

77-Ir-171



77-Ir-171

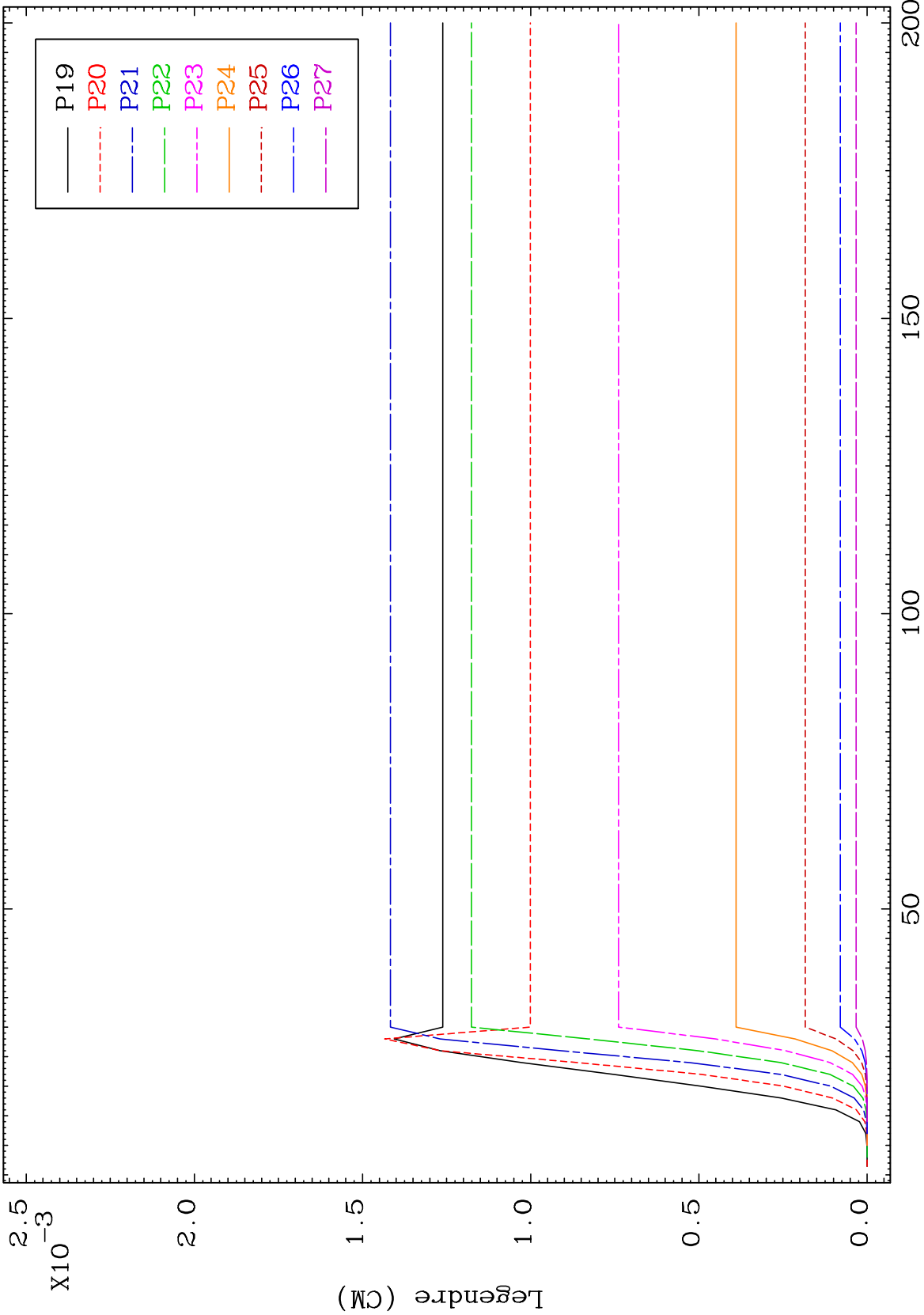
Incident Energy (MeV)

125

MAT 7665

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

77-Ir-171



126

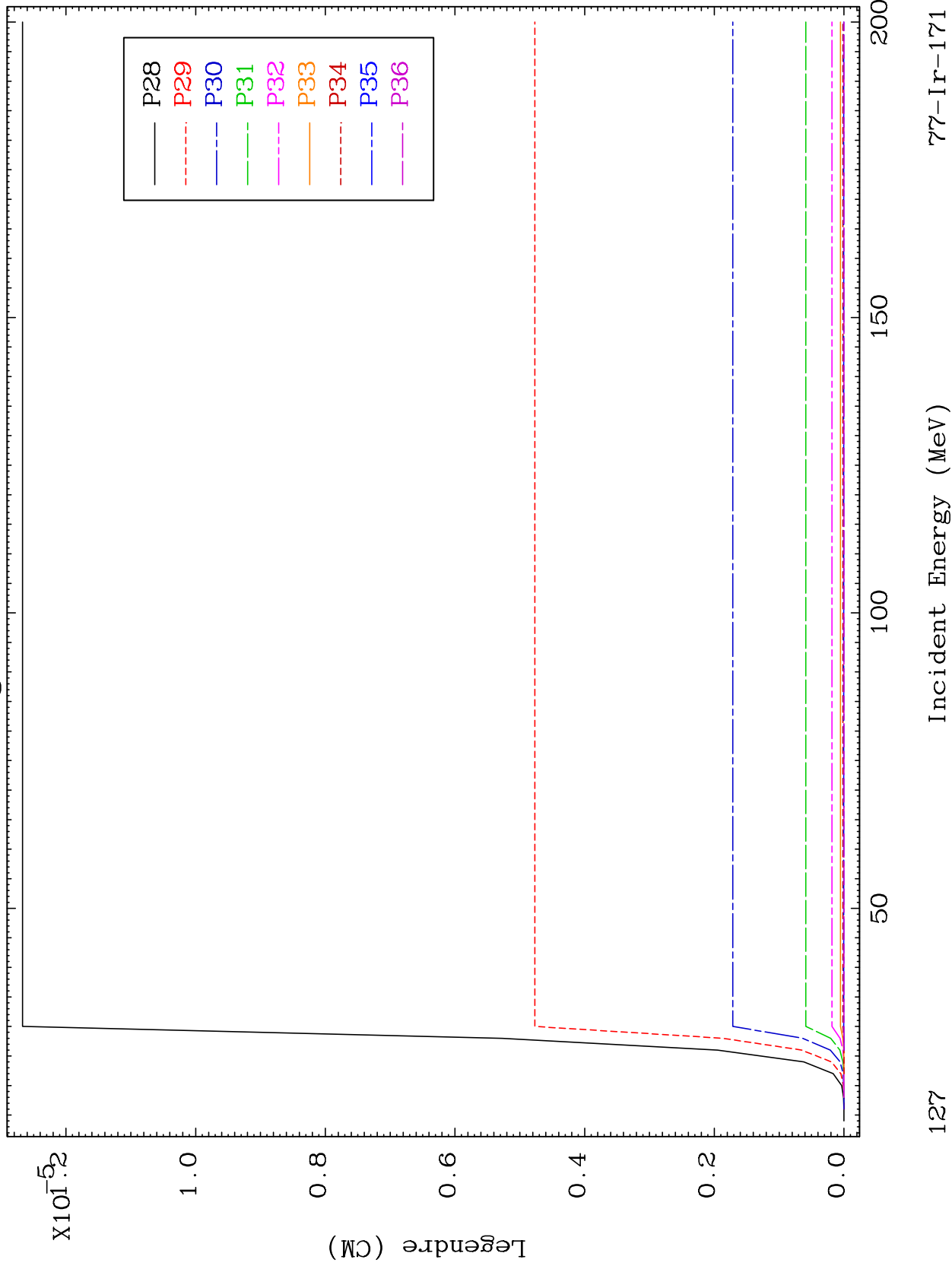
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171

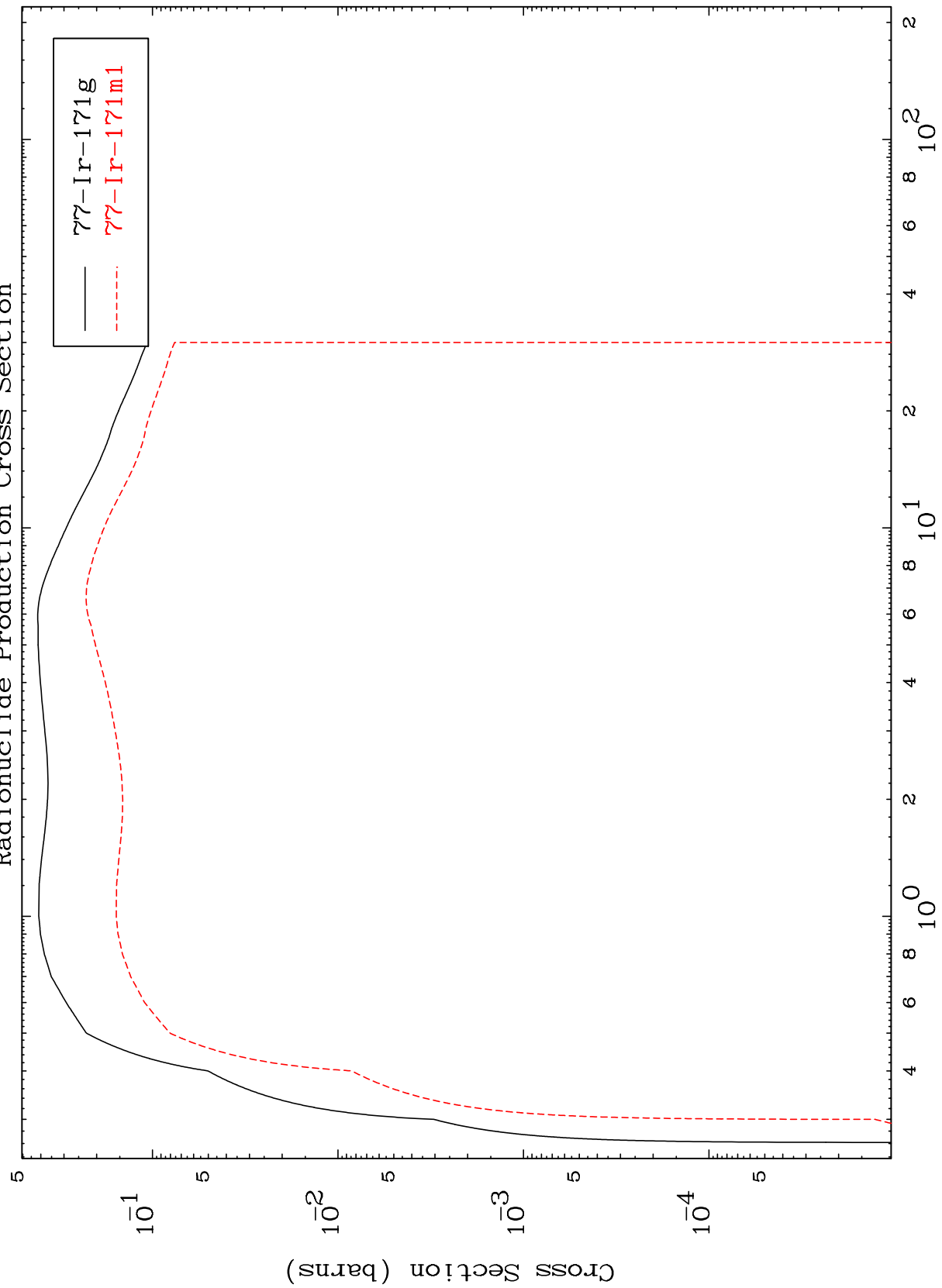


127

MAT 7665

⁷⁷Ir-171

Inelastic Radionuclide Production Cross Section



— ⁷⁷Ir-171g
- - - ⁷⁷Ir-171m1

128

⁷⁷Ir-171

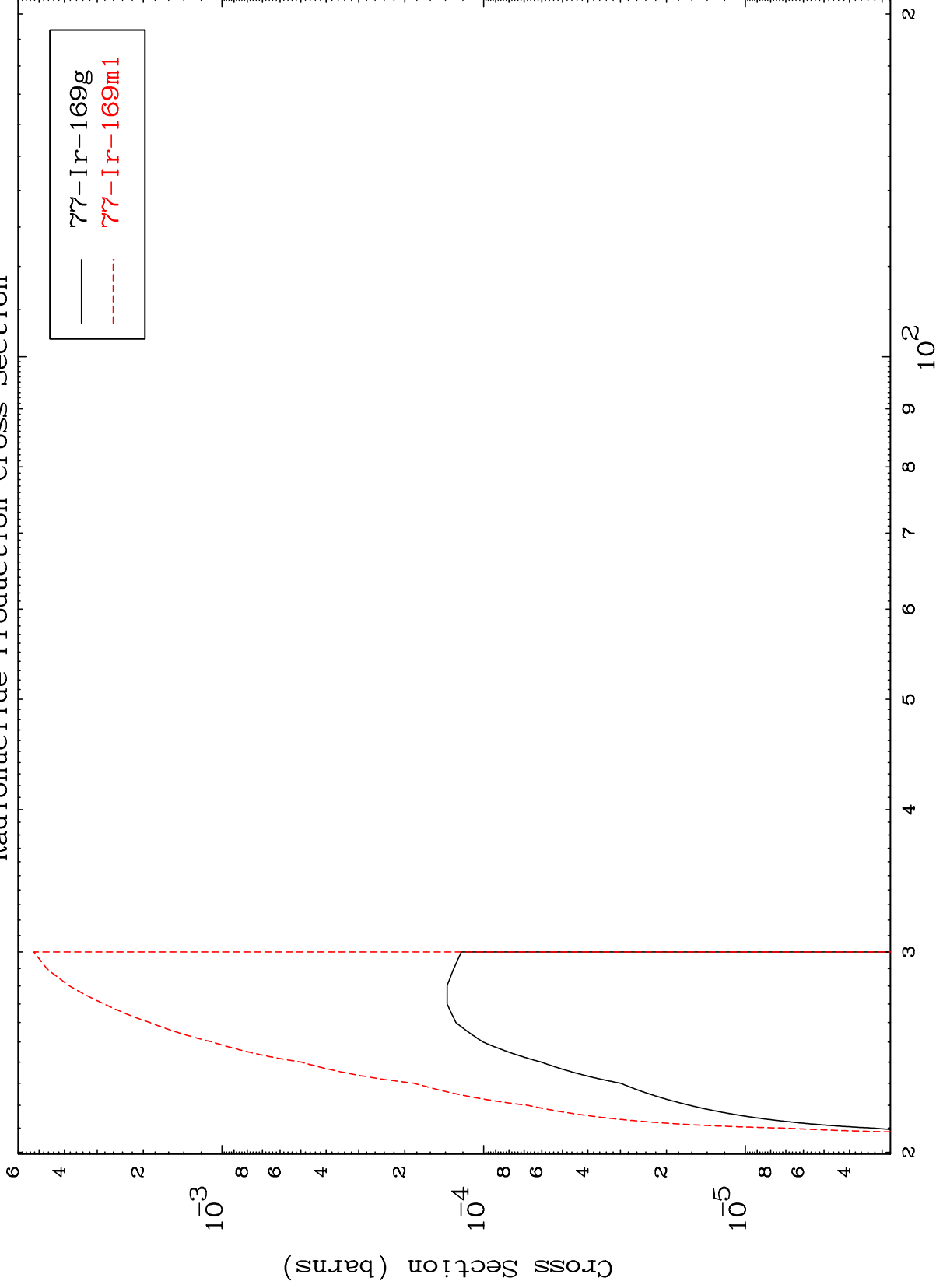
Incident Energy (MeV)

MAT 7665

(n,3n)

⁷⁷Ir-171

Radionuclide Production Cross Section



129

Incident Energy (MeV)

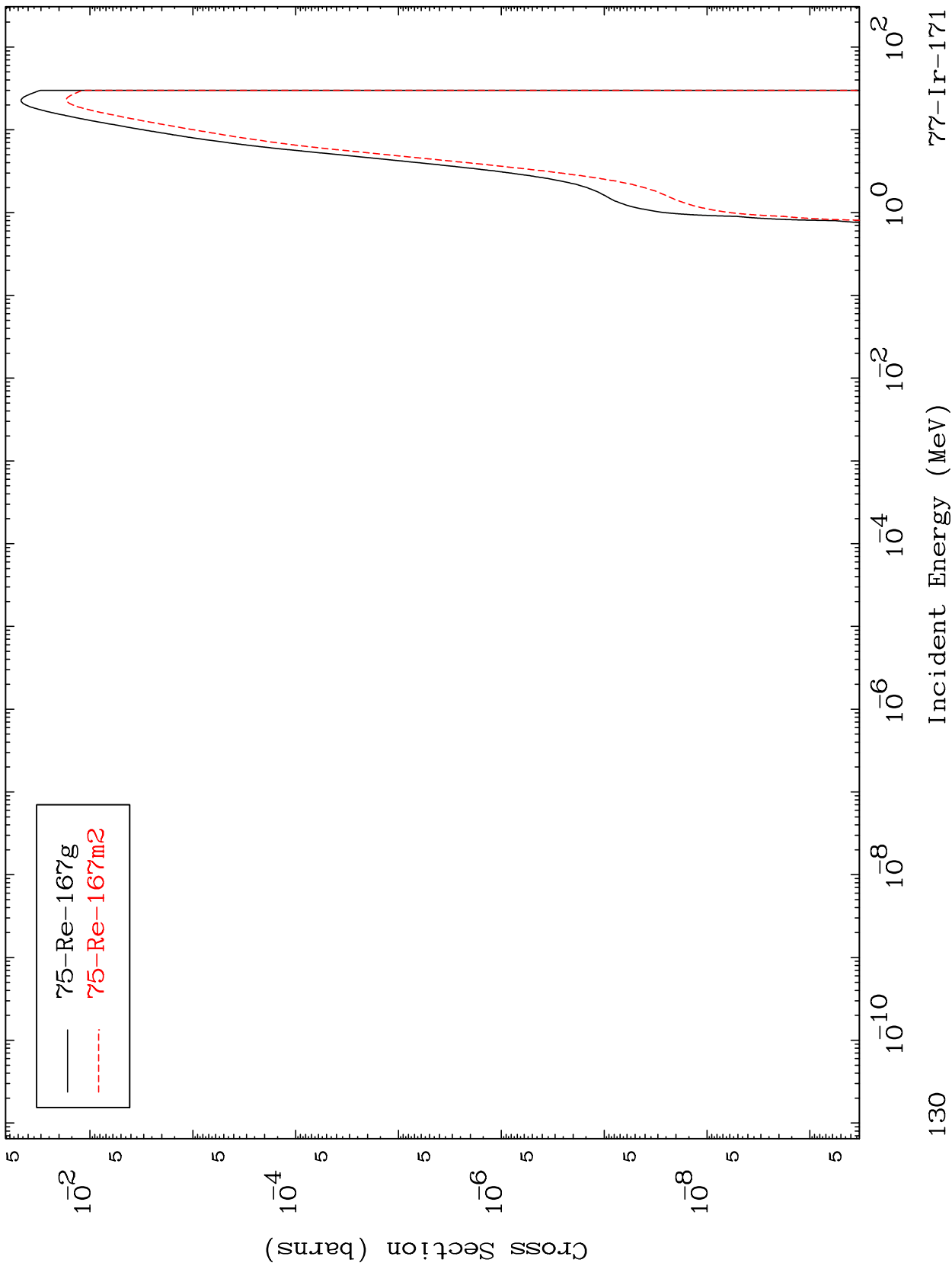
⁷⁷Ir-171

MAT 7665

(n, n') α

$^{77}\text{Ir-171}$

Radionuclide Production Cross Section

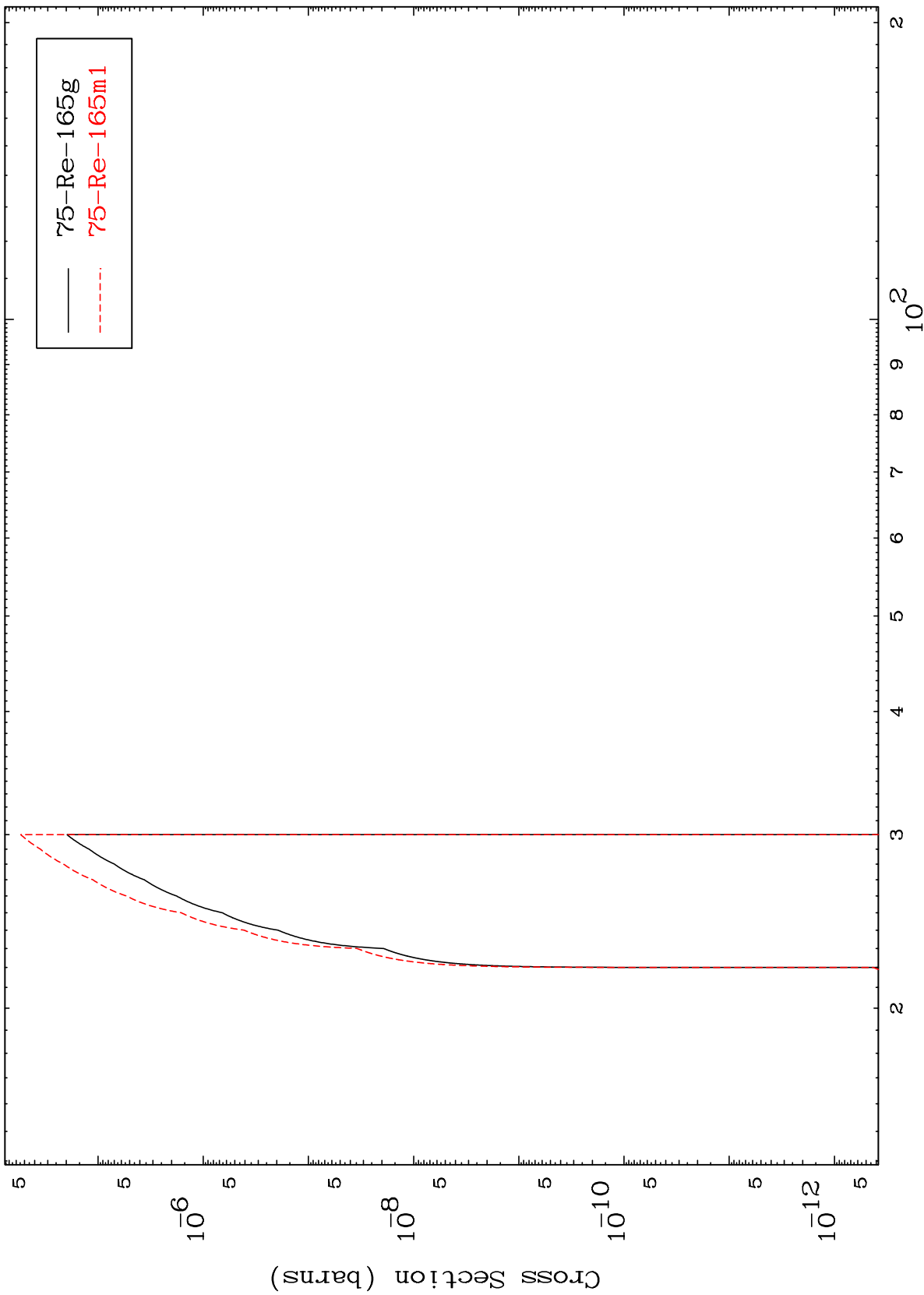


MAT 7665

(n,3n) α

77-Ir-171

Radionuclide Production Cross Section



131

Incident Energy (MeV)

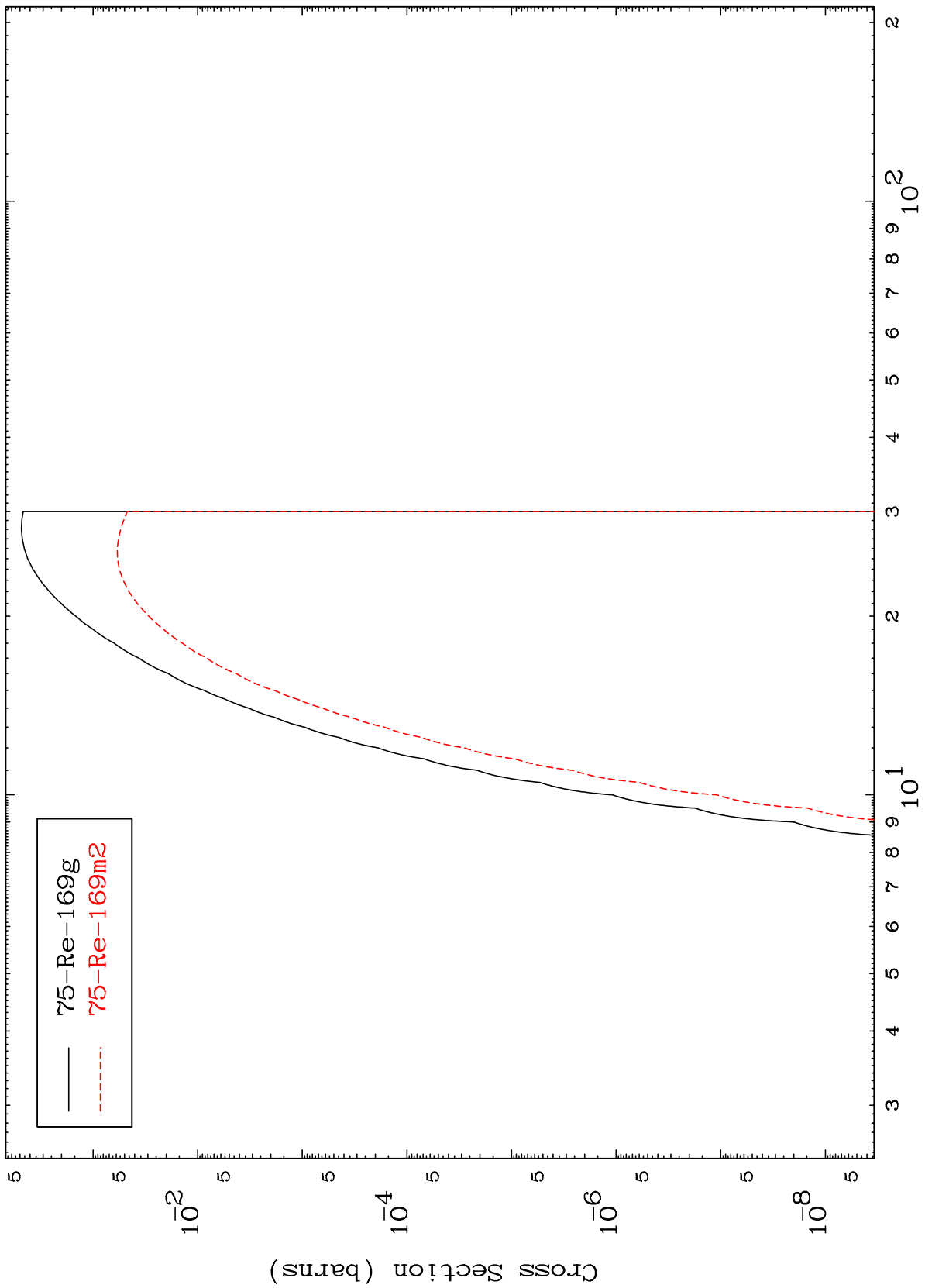
77-Ir-171

MAT 7665

$(n,2n)$ p

$^{77}\text{Ir-171}$

Radionuclide Production Cross Section



132

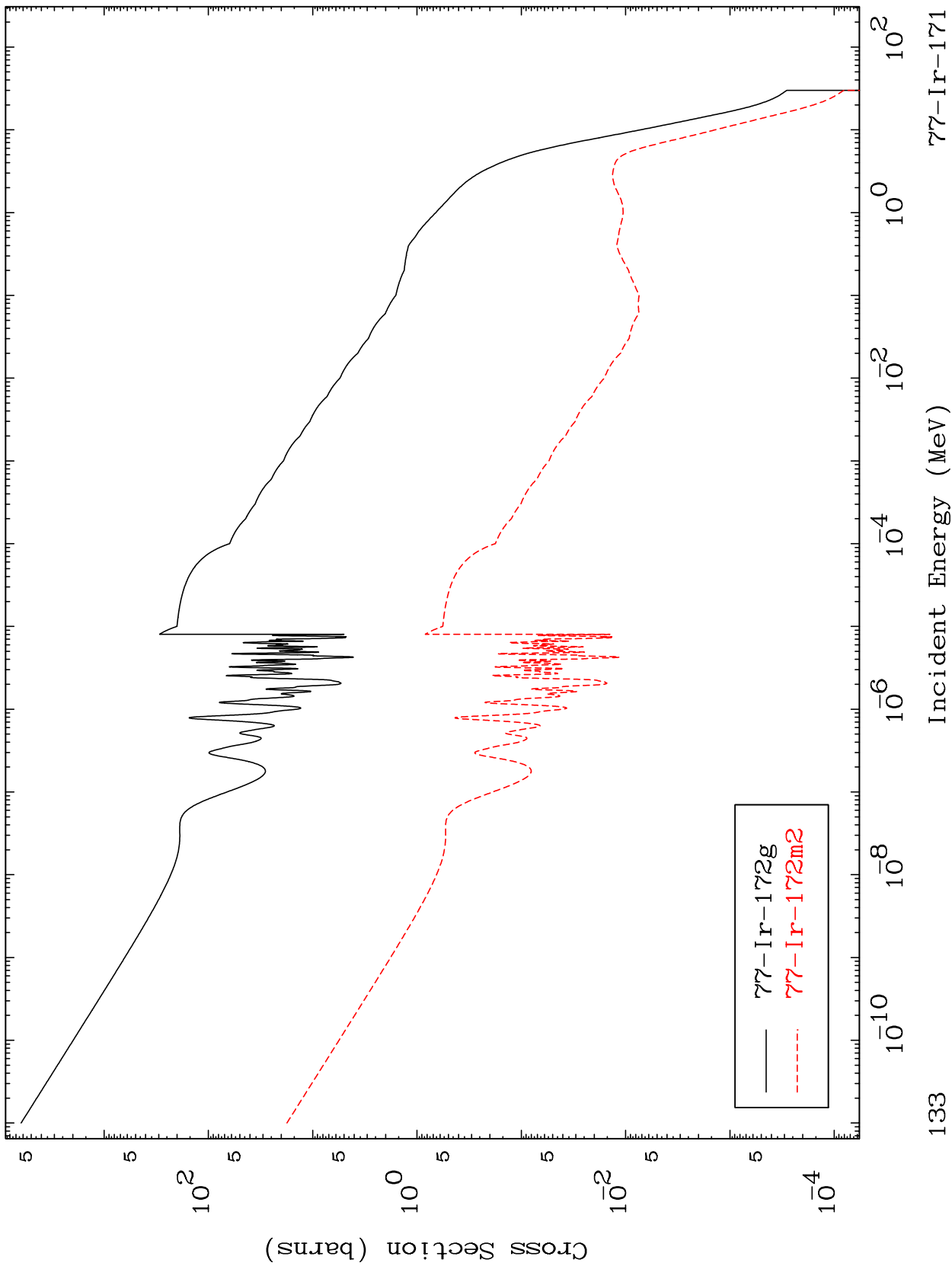
Incident Energy (MeV)

$^{77}\text{Ir-171}$

MAT 7665

⁷⁷Ir-171

Radionuclide Production Cross Section

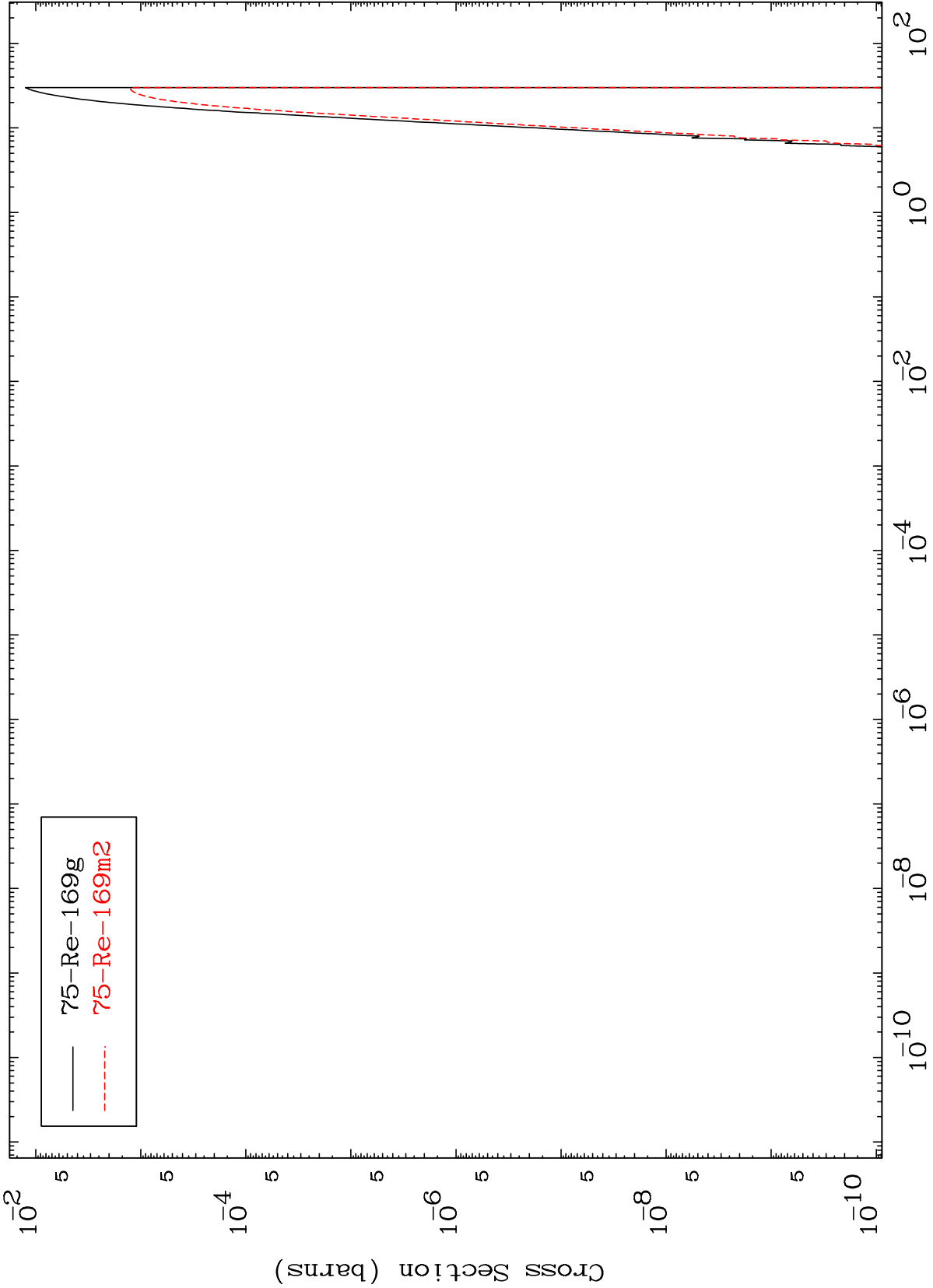


MAT 7665

(n,He-3)

77-Ir-171

Radionuclide Production Cross Section



134

Incident Energy (MeV)

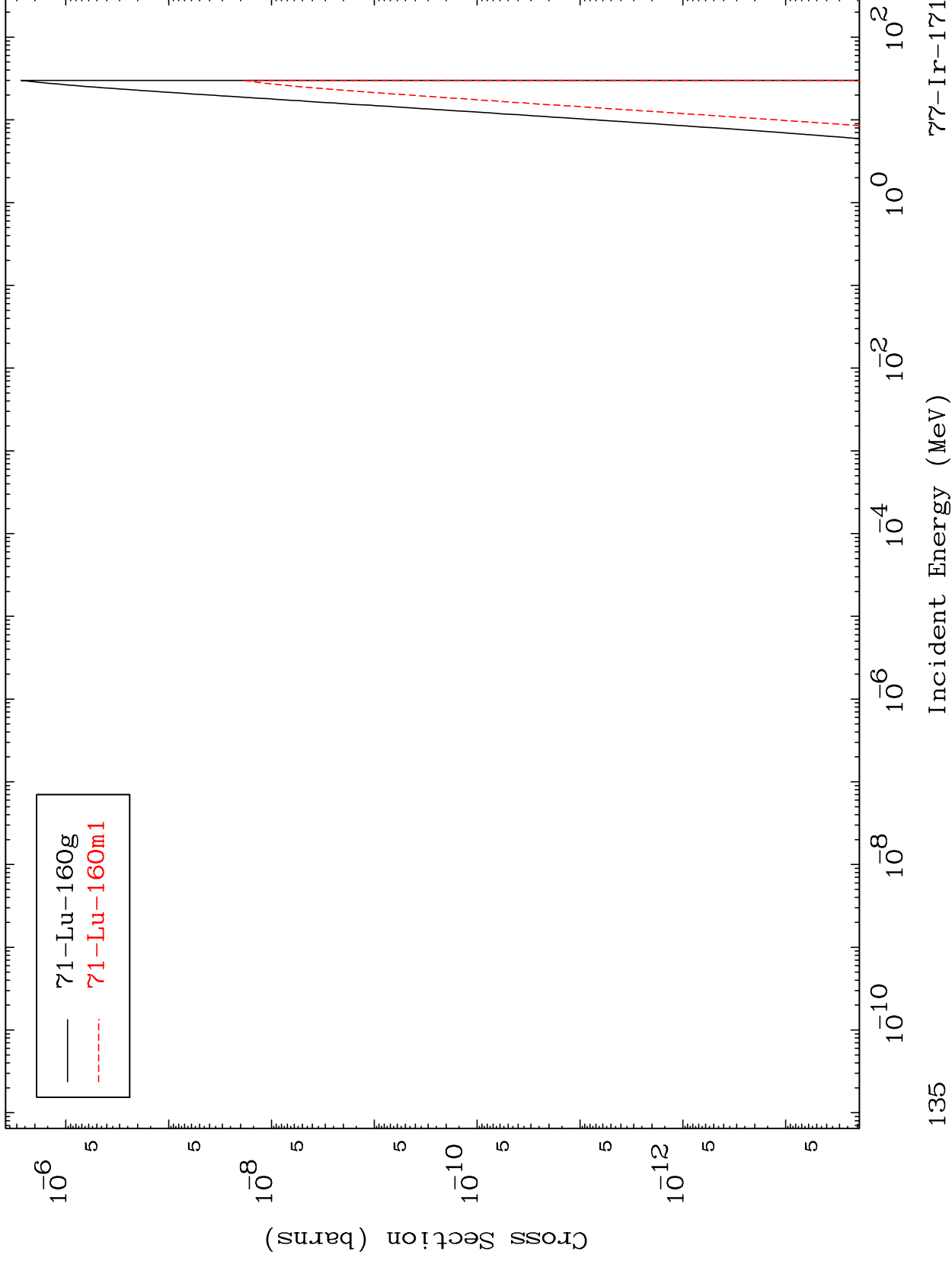
77-Ir-171

MAT 7665

(n,3 α)

⁷⁷Ir-171

Radionuclide Production Cross Section



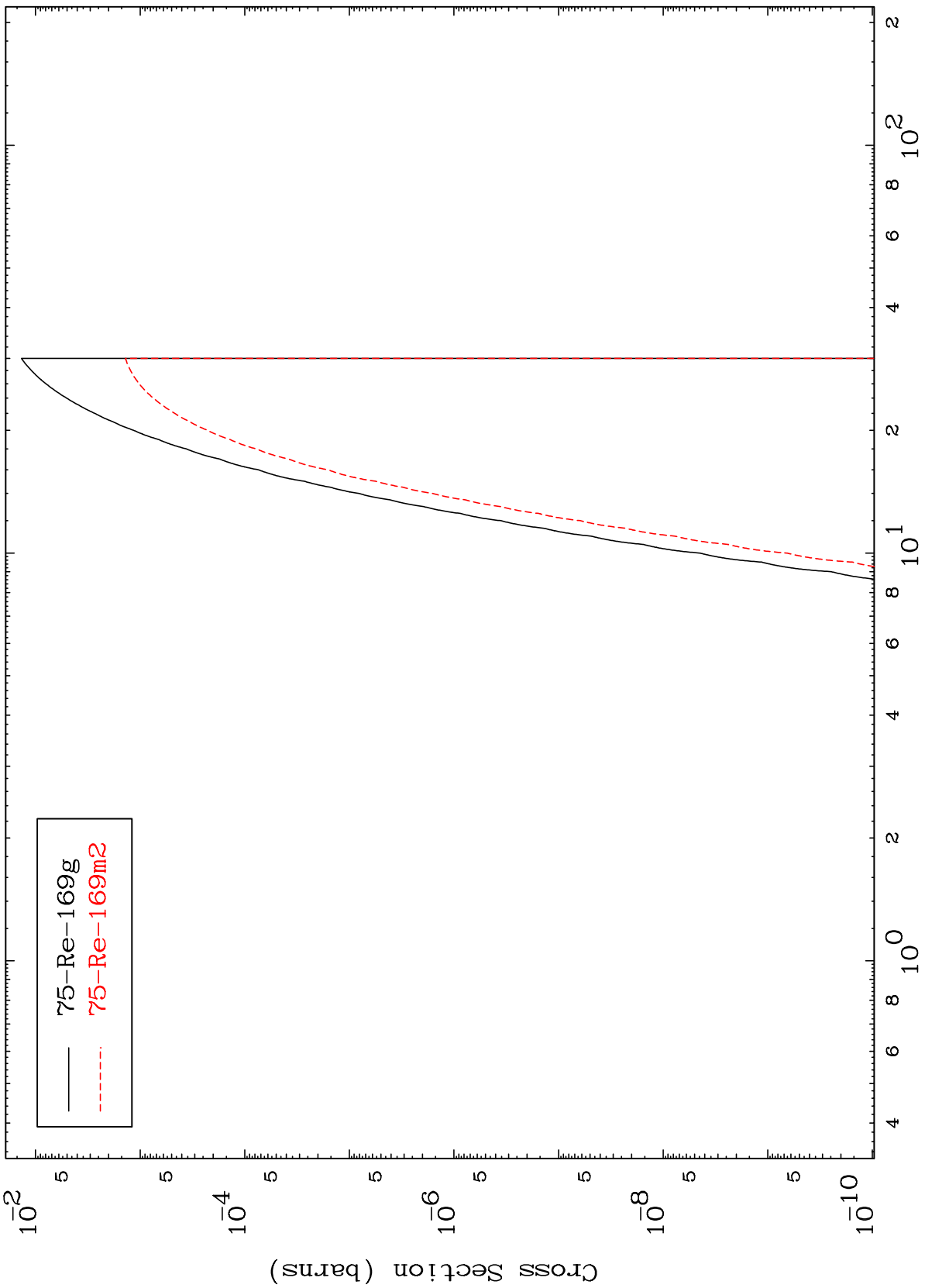
135

MAT 7665

(n,p) d

⁷⁷Ir-171

Radionuclide Production Cross Section



136

Incident Energy (MeV)

⁷⁷Ir-171