

Program EVALPLOT
(Version 2017-1)

by

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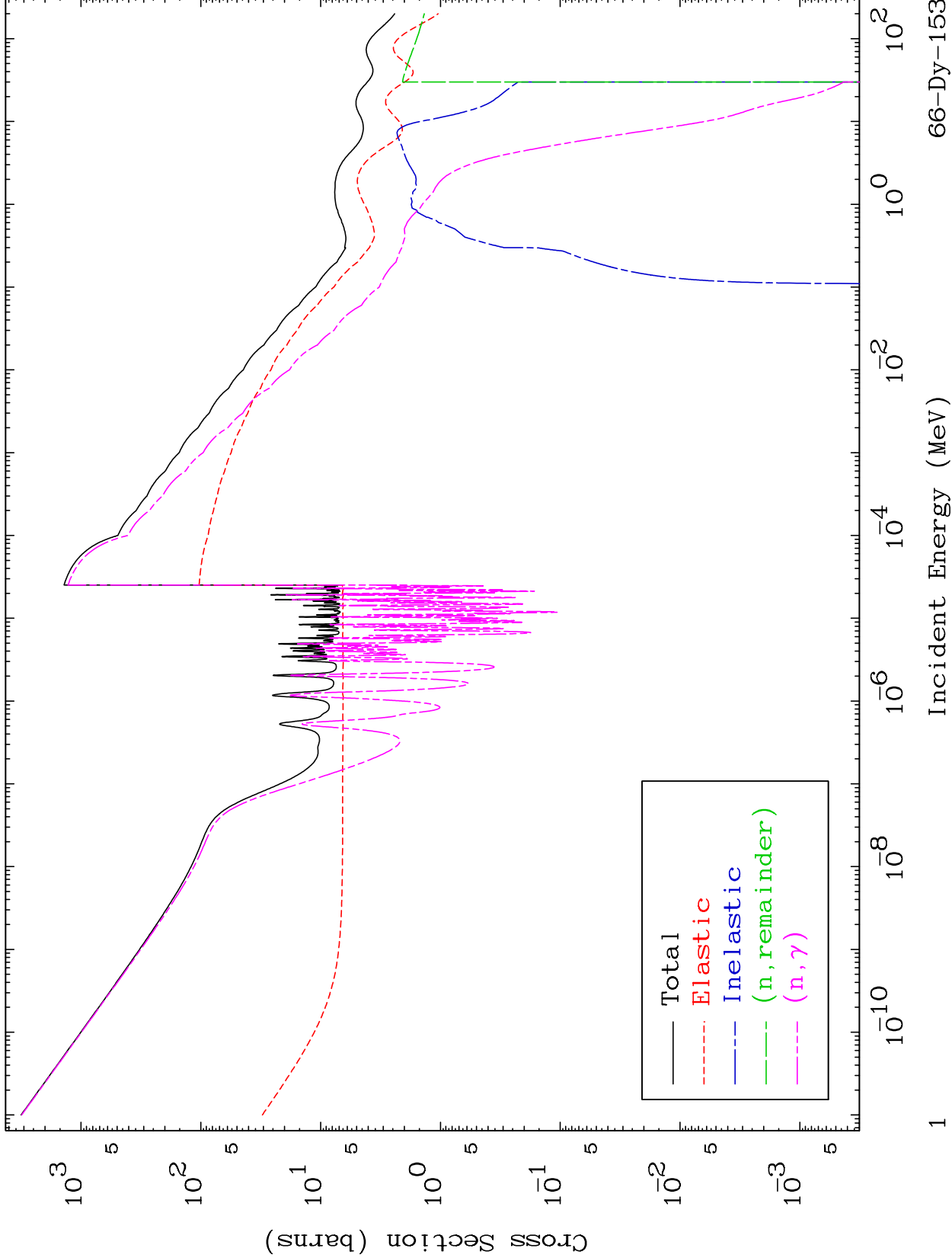
Press Mouse Button to Start

MAT 6616

Major

293 Kelvin Cross Sections

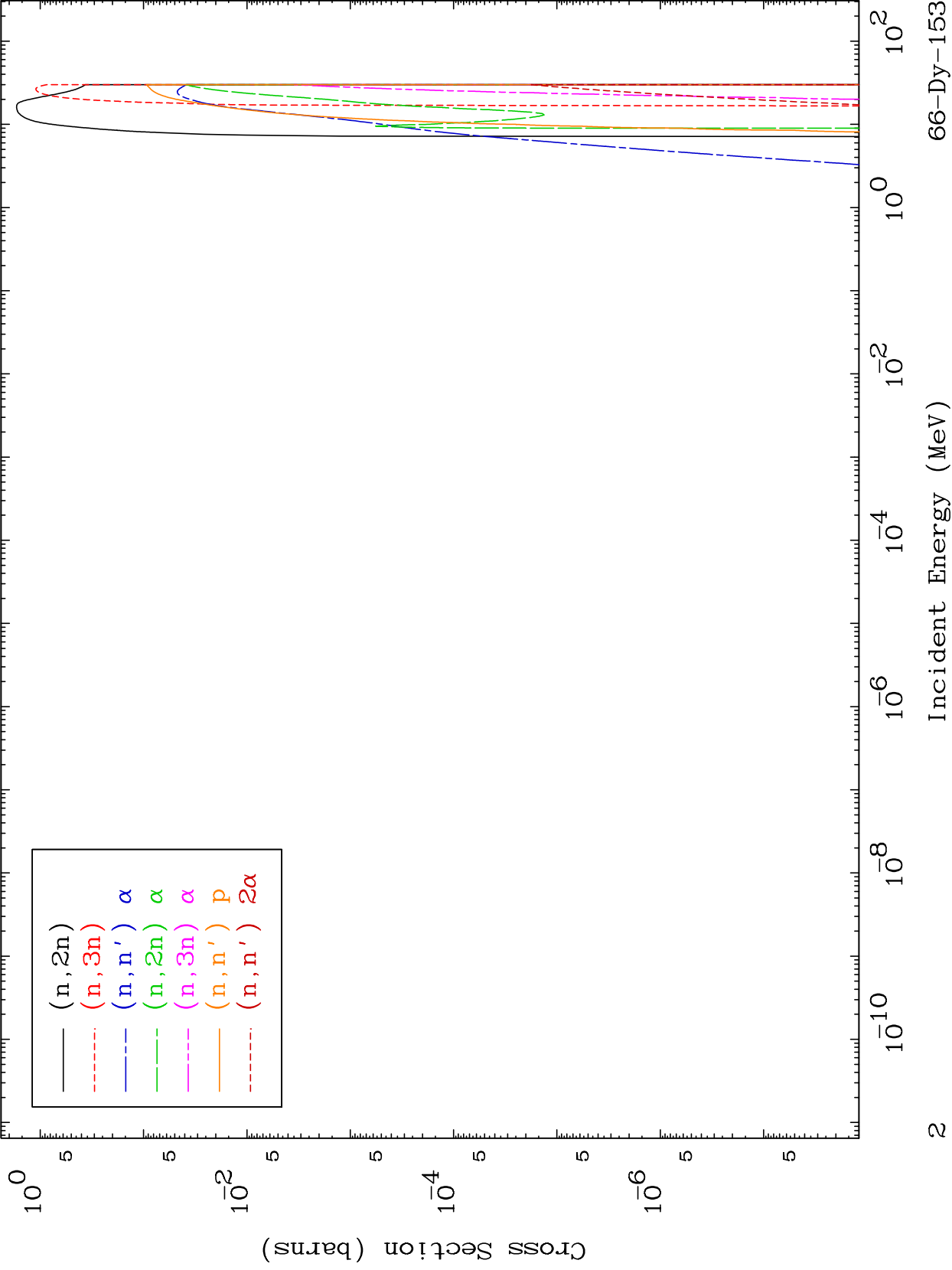
66-Dy-153



MAT 6616

Neutron Production
293 Kelvin Cross Sections

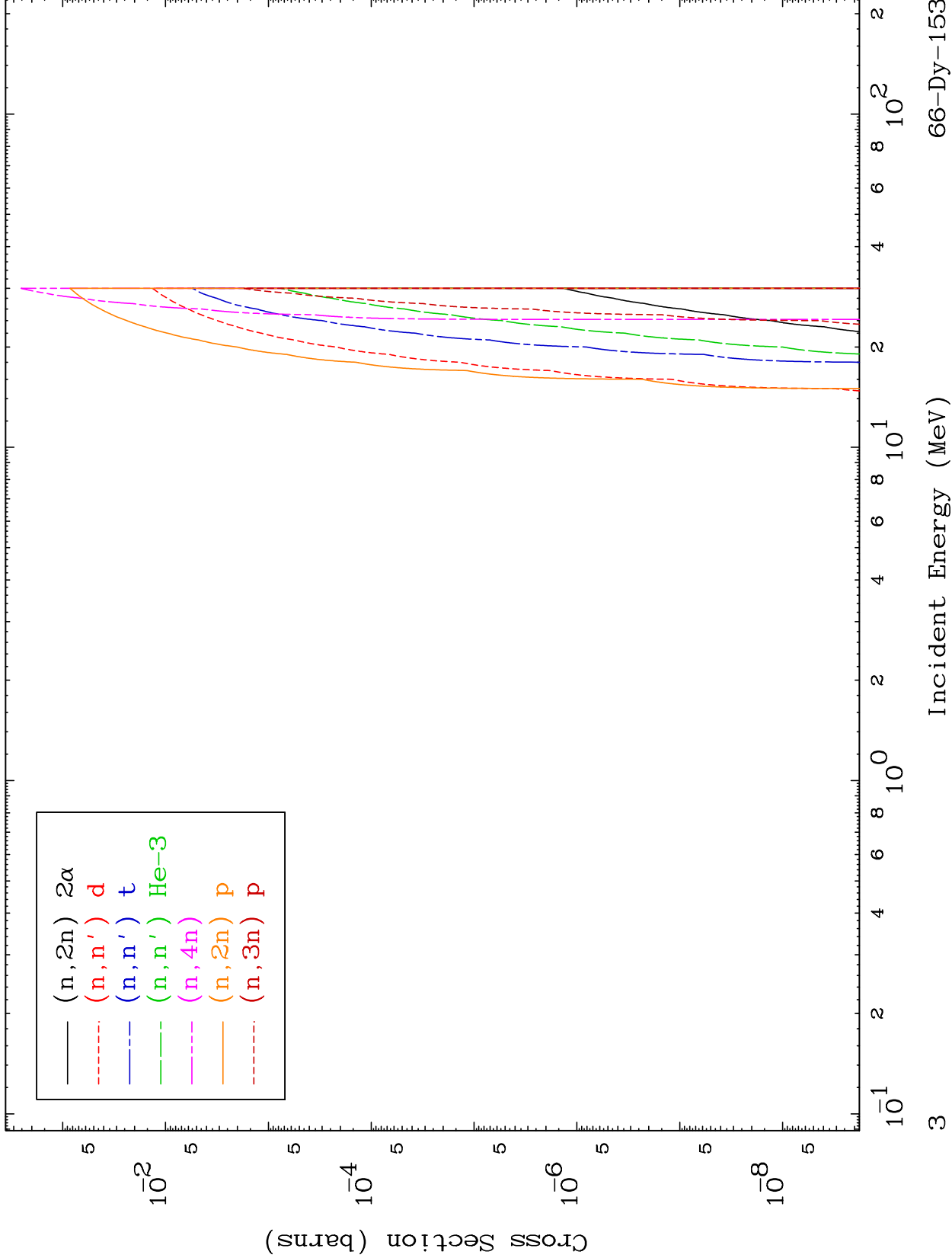
66-Dy-153



MAT 6616

Neutron Production
293 Kelvin Cross Sections

66-Dy-153



66-Dy-153

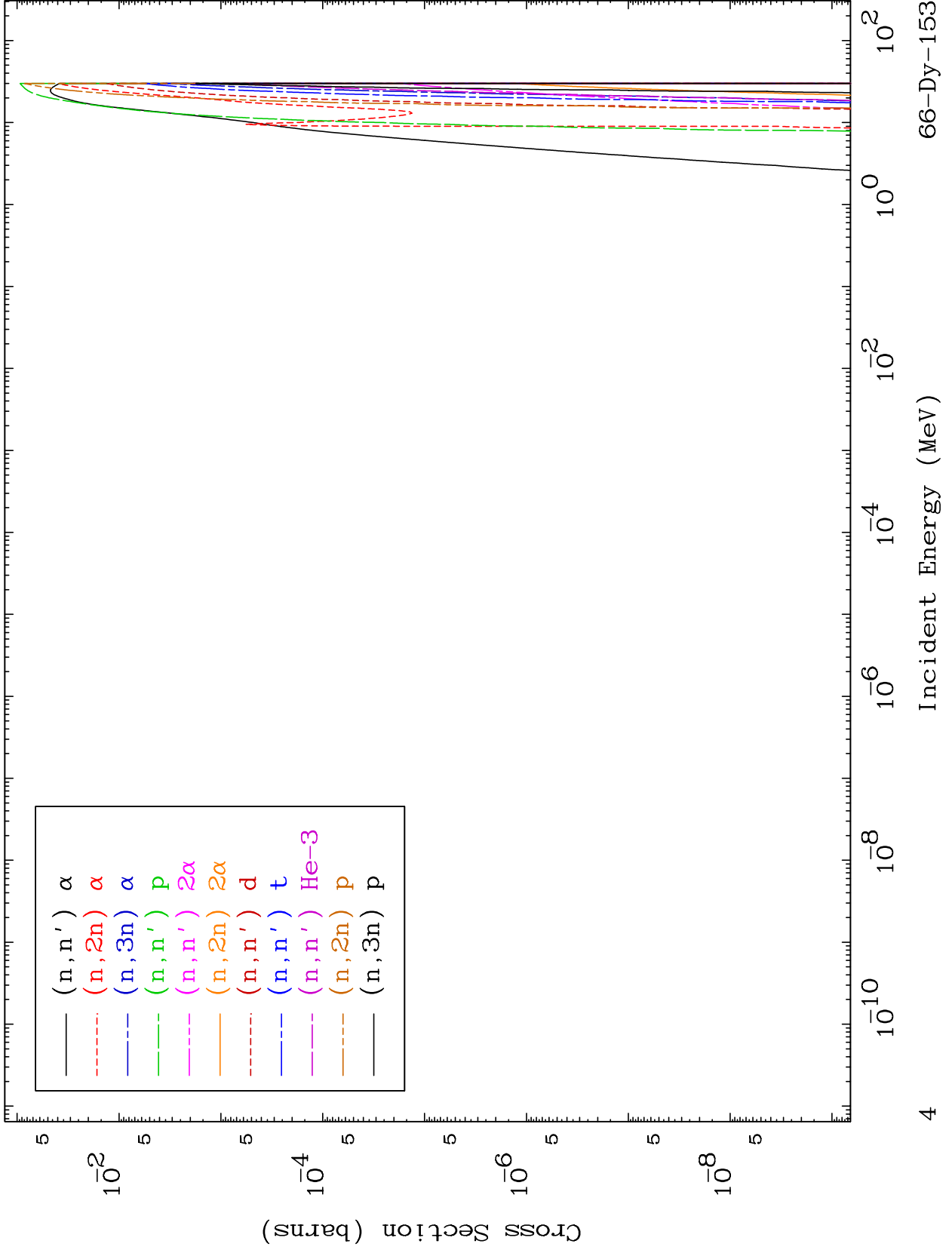
Incident Energy (MeV)

3

MAT 6616

Charged Particle
293 Kelvin Cross Sections

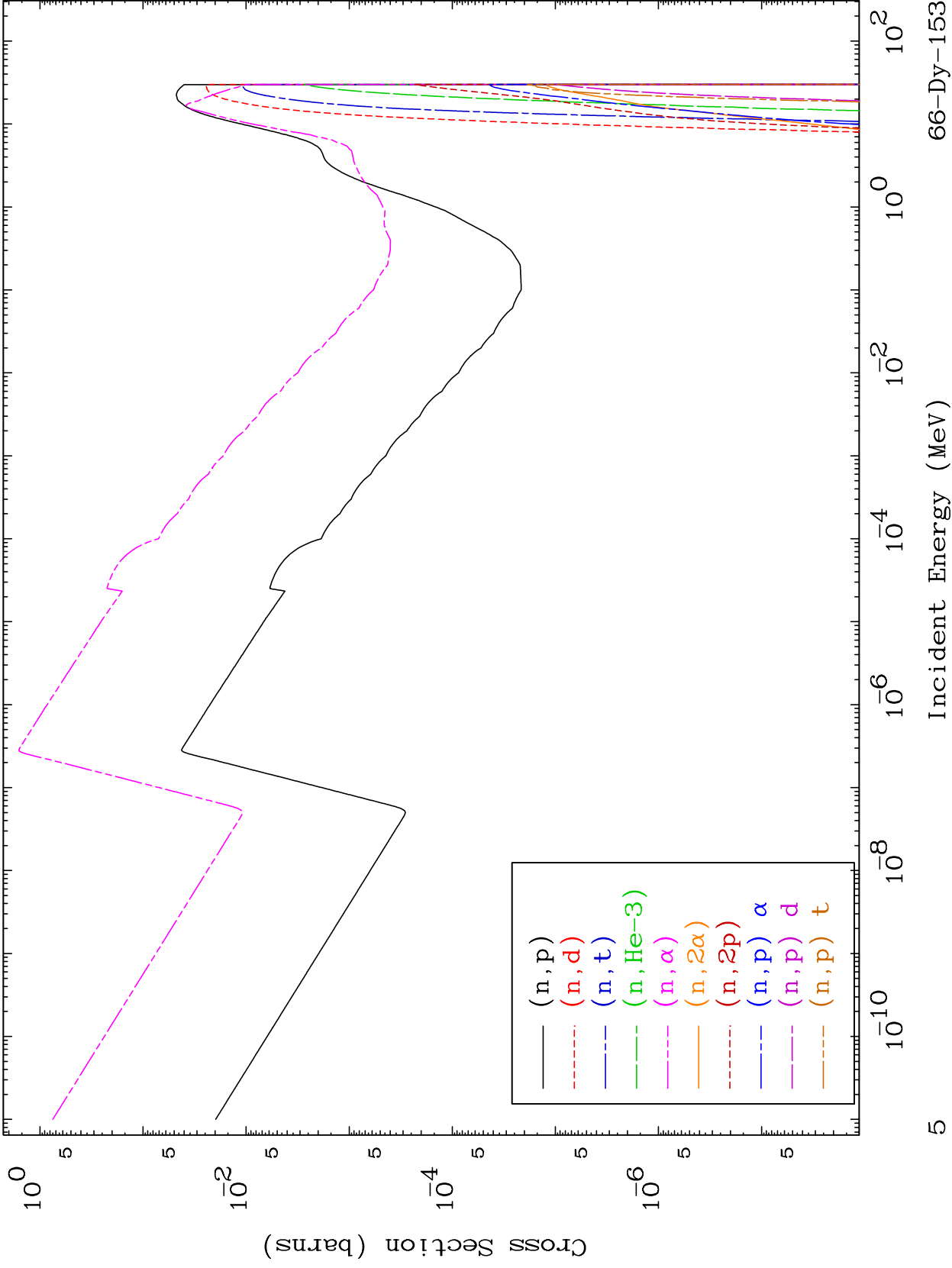
66-Dy-153

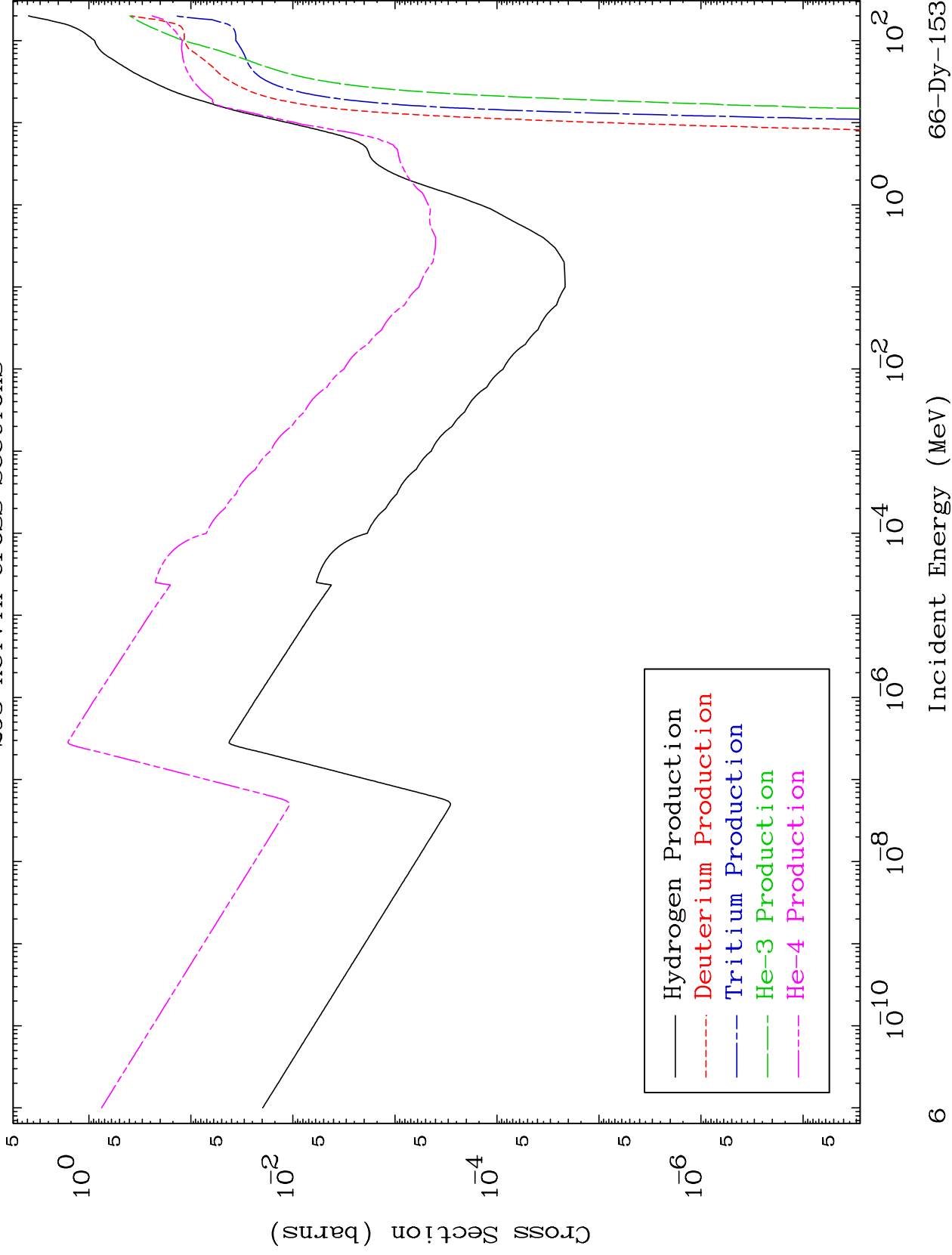


MAT 6616

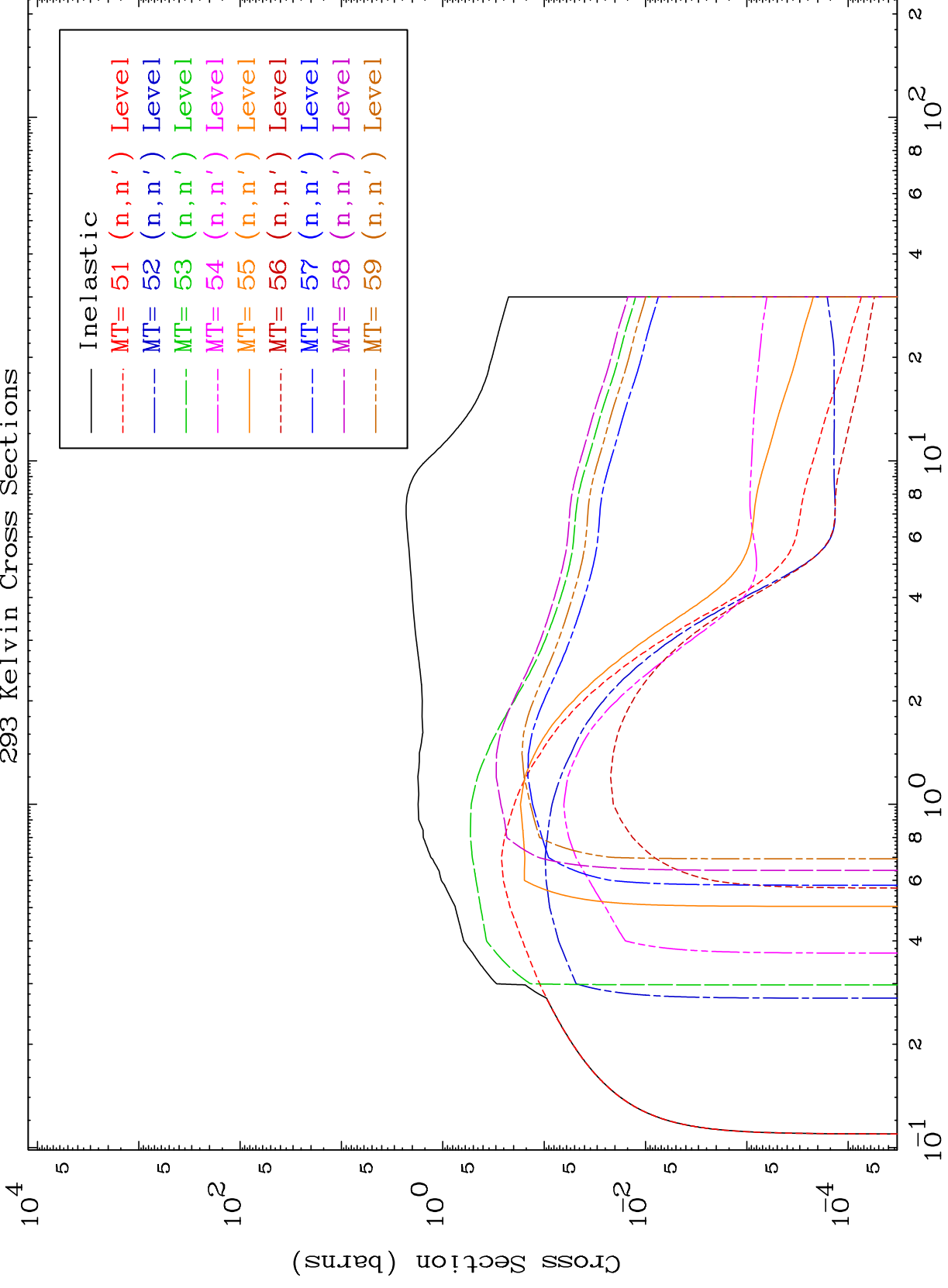
Charged Particle
293 Kelvin Cross Sections

66-Dy-153





293 Kelvin Cross Sections



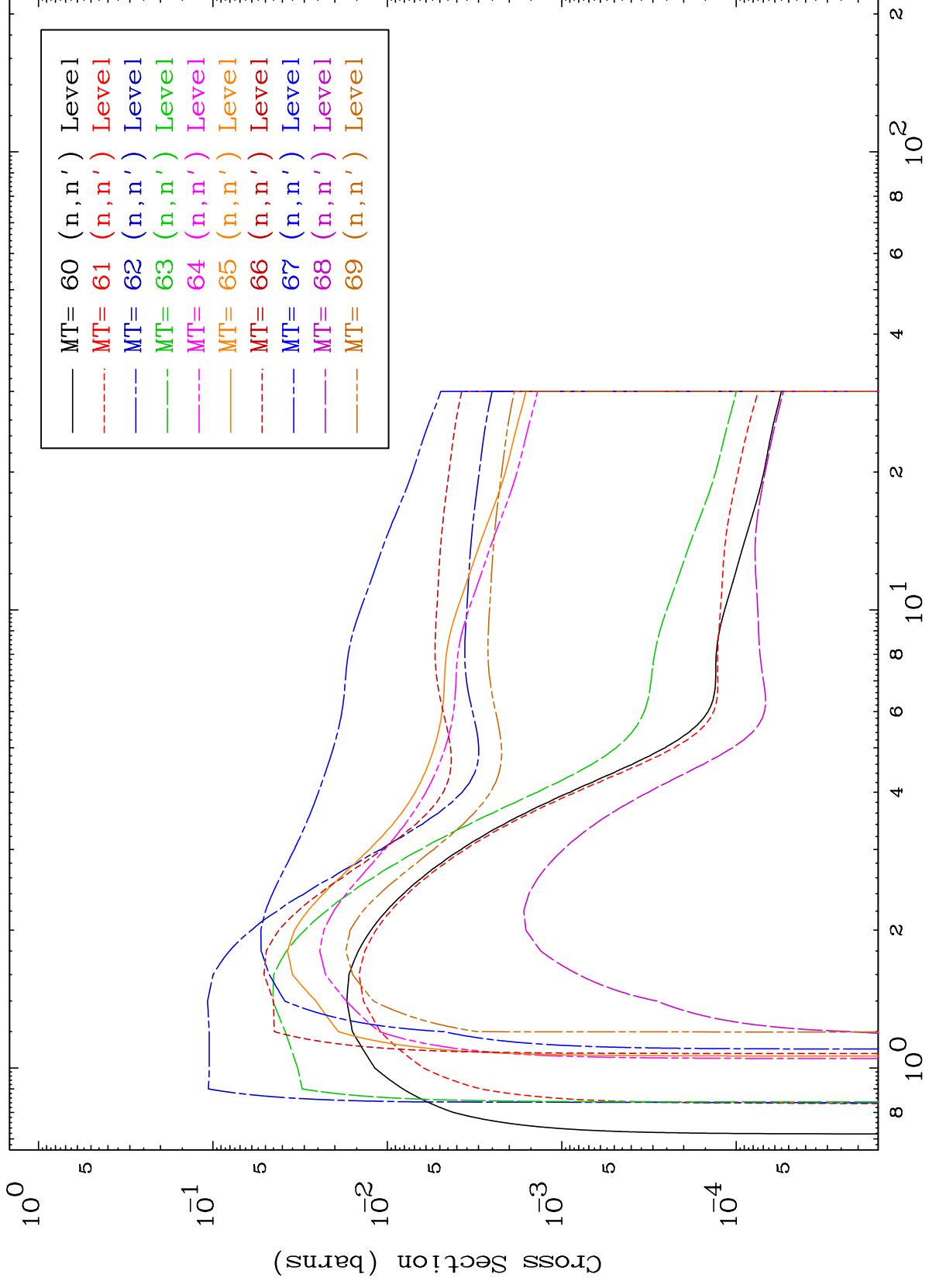
Incident Energy (MeV)

MAT 6616

(n,n') Level

66-Dy-153

293 Kelvin Cross Sections

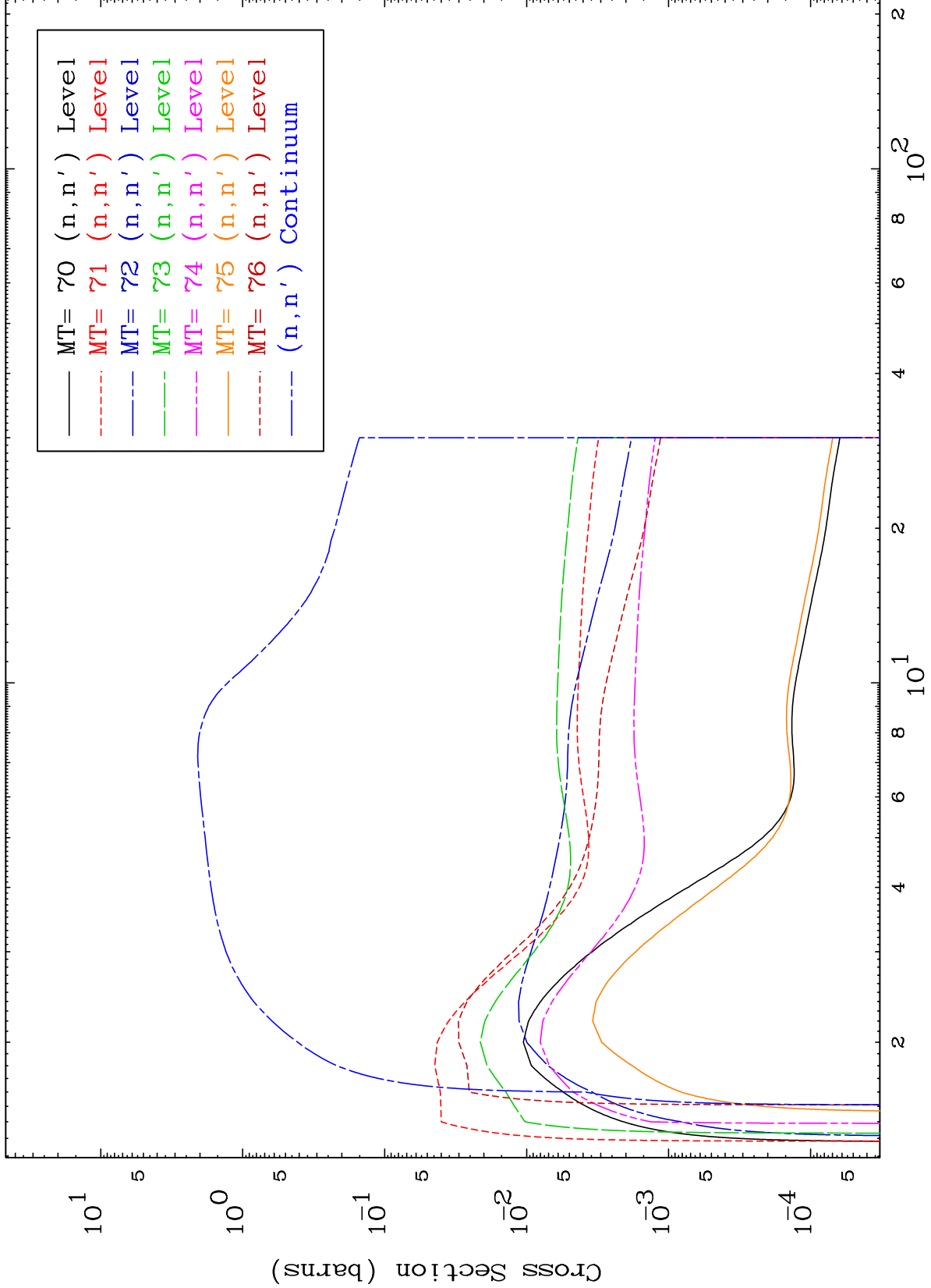


8

Incident Energy (MeV)

66-Dy-153

293 Kelvin Cross Sections

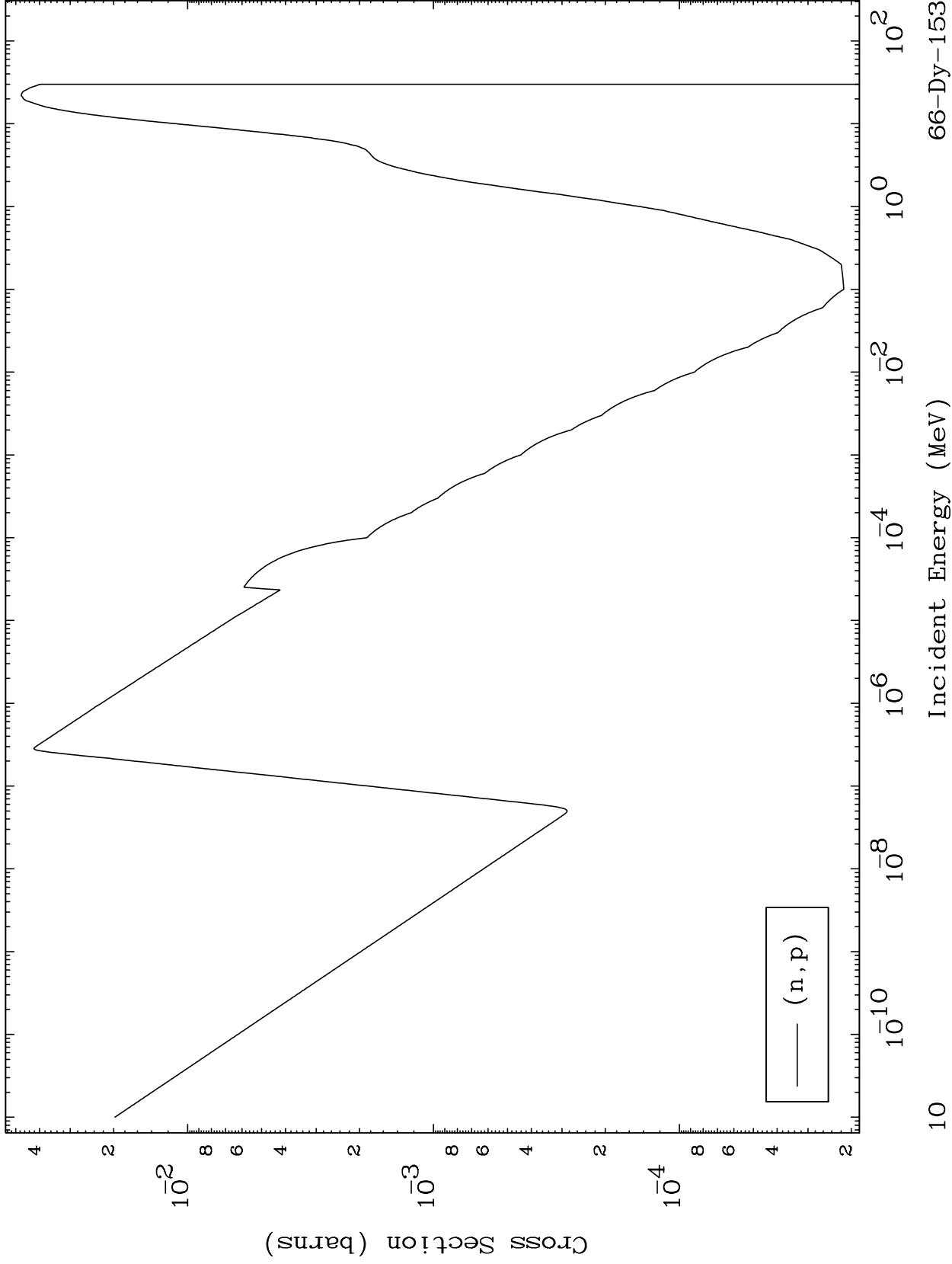


—	MT= 70	(n, n')	Level
- - -	MT= 71	(n, n')	Level
- · -	MT= 72	(n, n')	Level
- - - -	MT= 73	(n, n')	Level
- · - · -	MT= 74	(n, n')	Level
—	MT= 75	(n, n')	Level
- - -	MT= 76	(n, n')	Level
- - - -	(n, n')	Continuum	

MAT 6616

(n,p) Levels
293 Kelvin Cross Sections

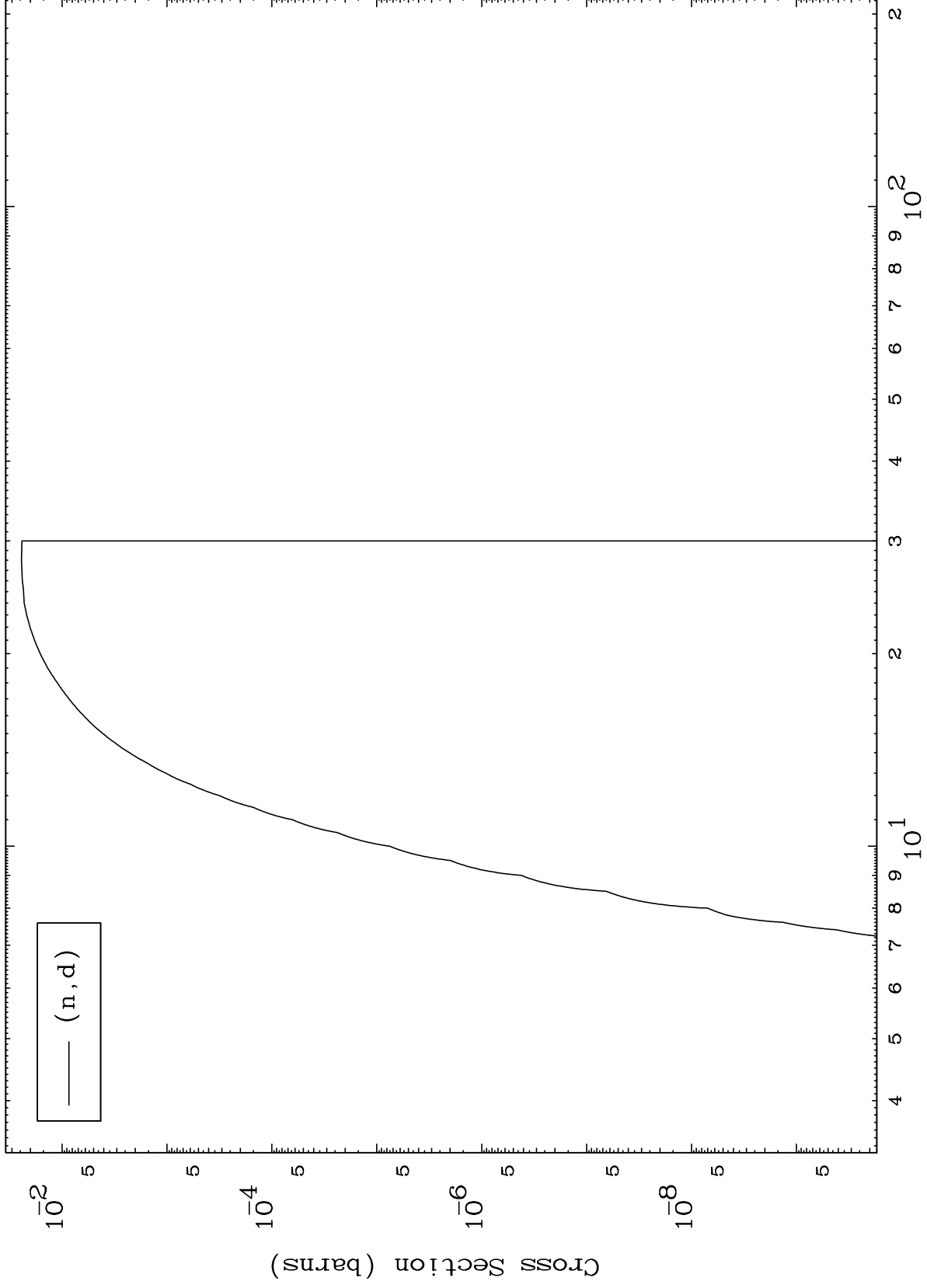
66-Dy-153



MAT 6616

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-153



11

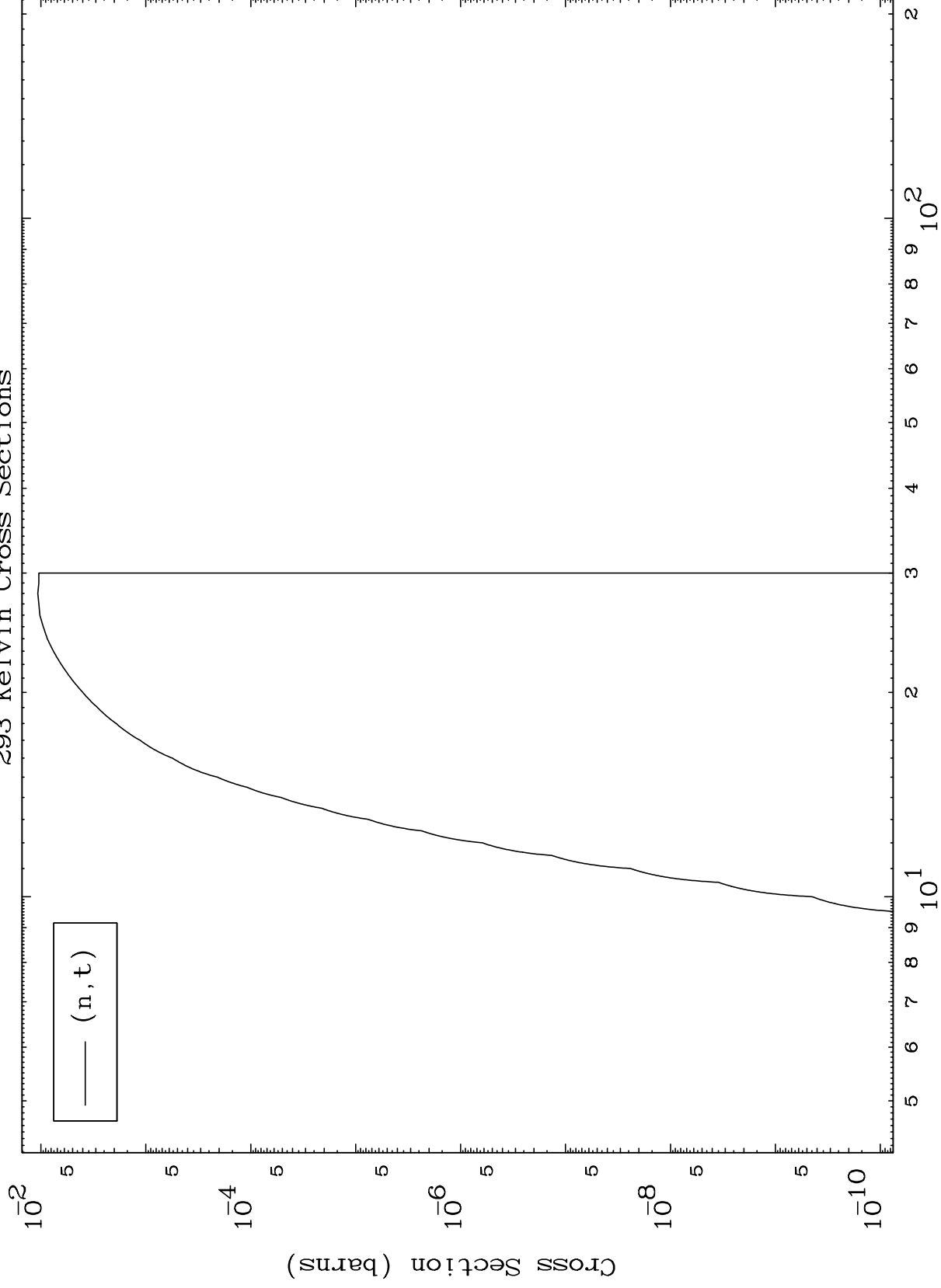
Incident Energy (MeV)

66-Dy-153

MAT 6616

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-153



12

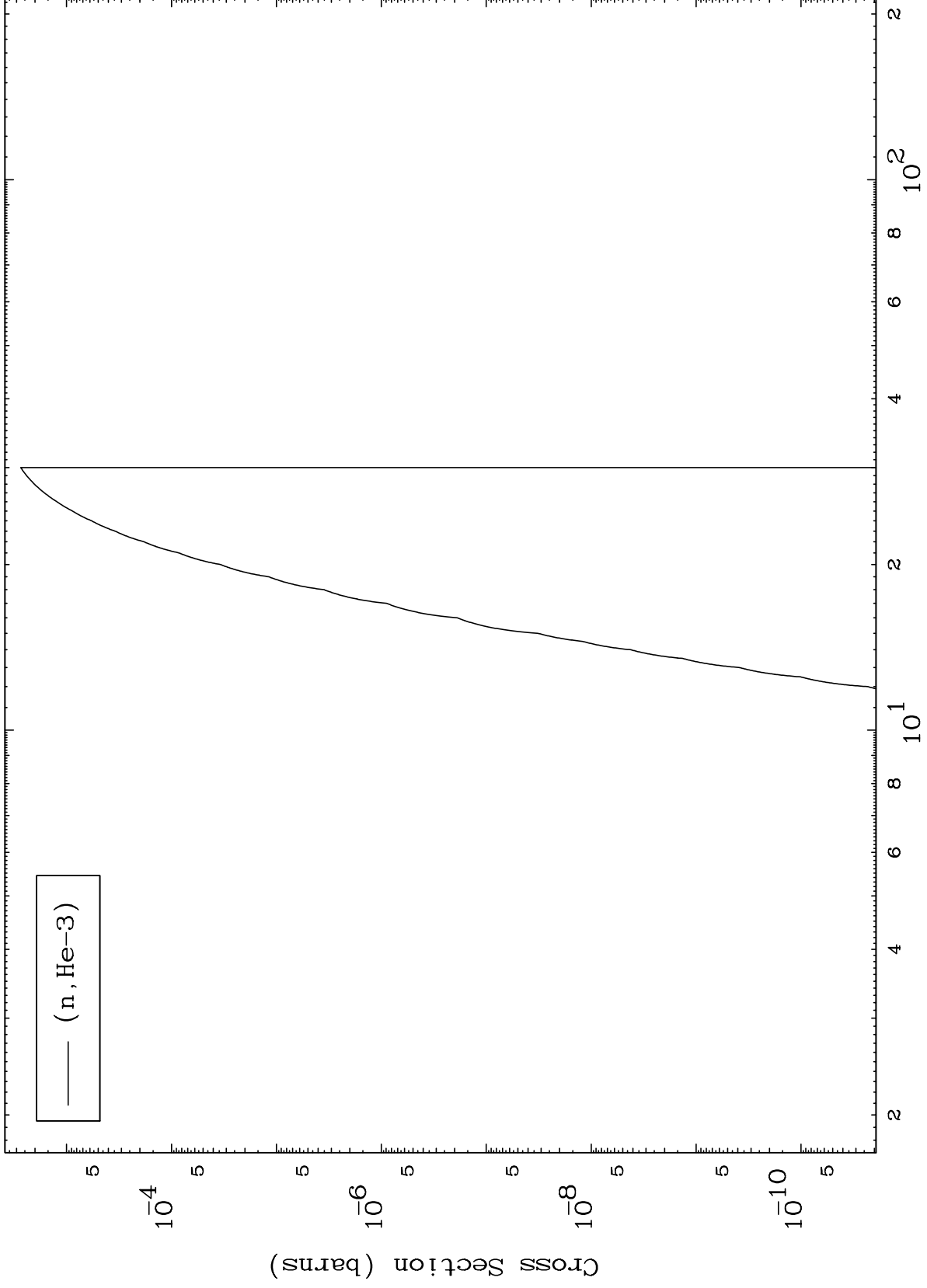
Incident Energy (MeV)

66-Dy-153

MAT 6616

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-153



13

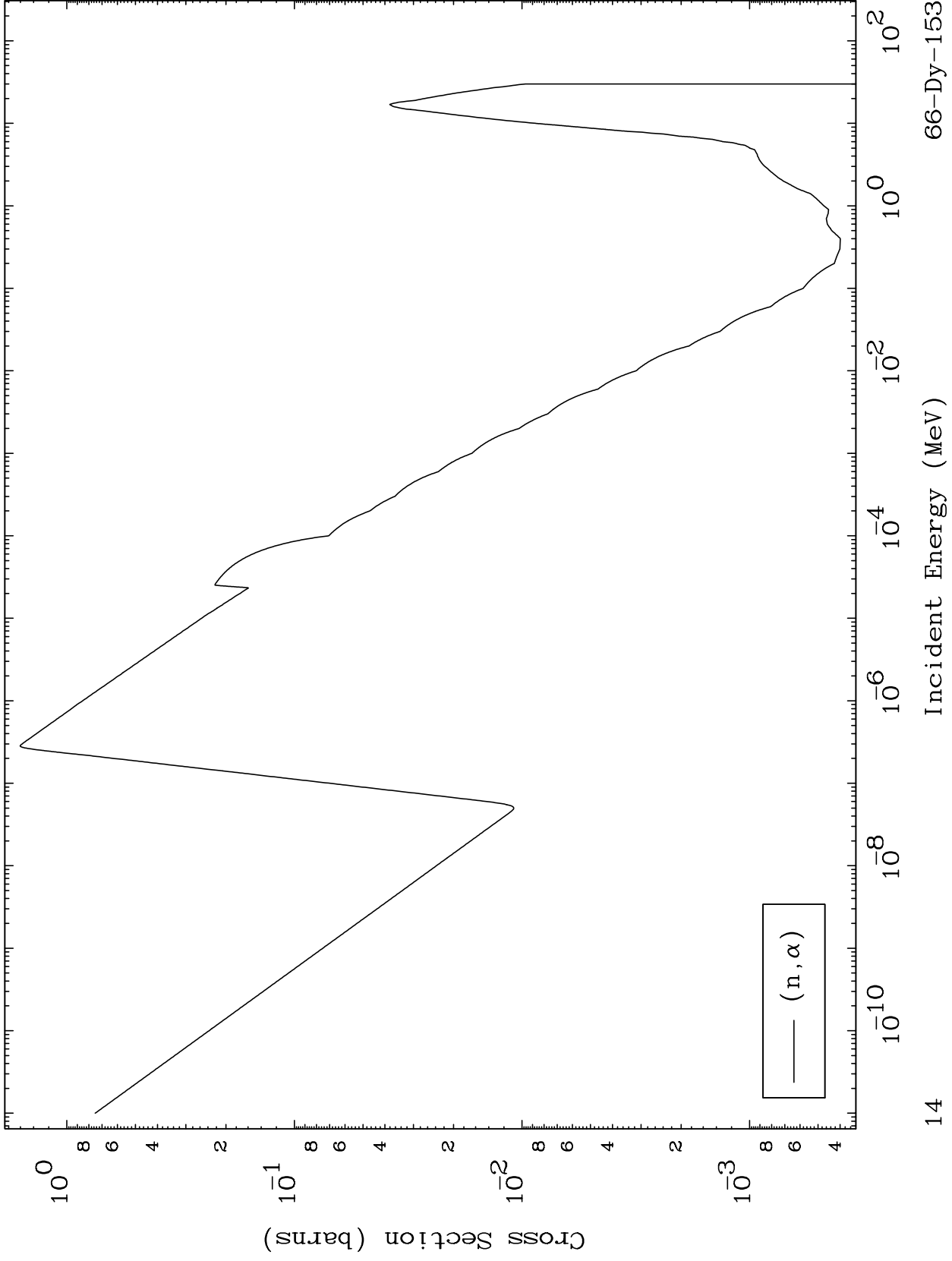
Incident Energy (MeV)

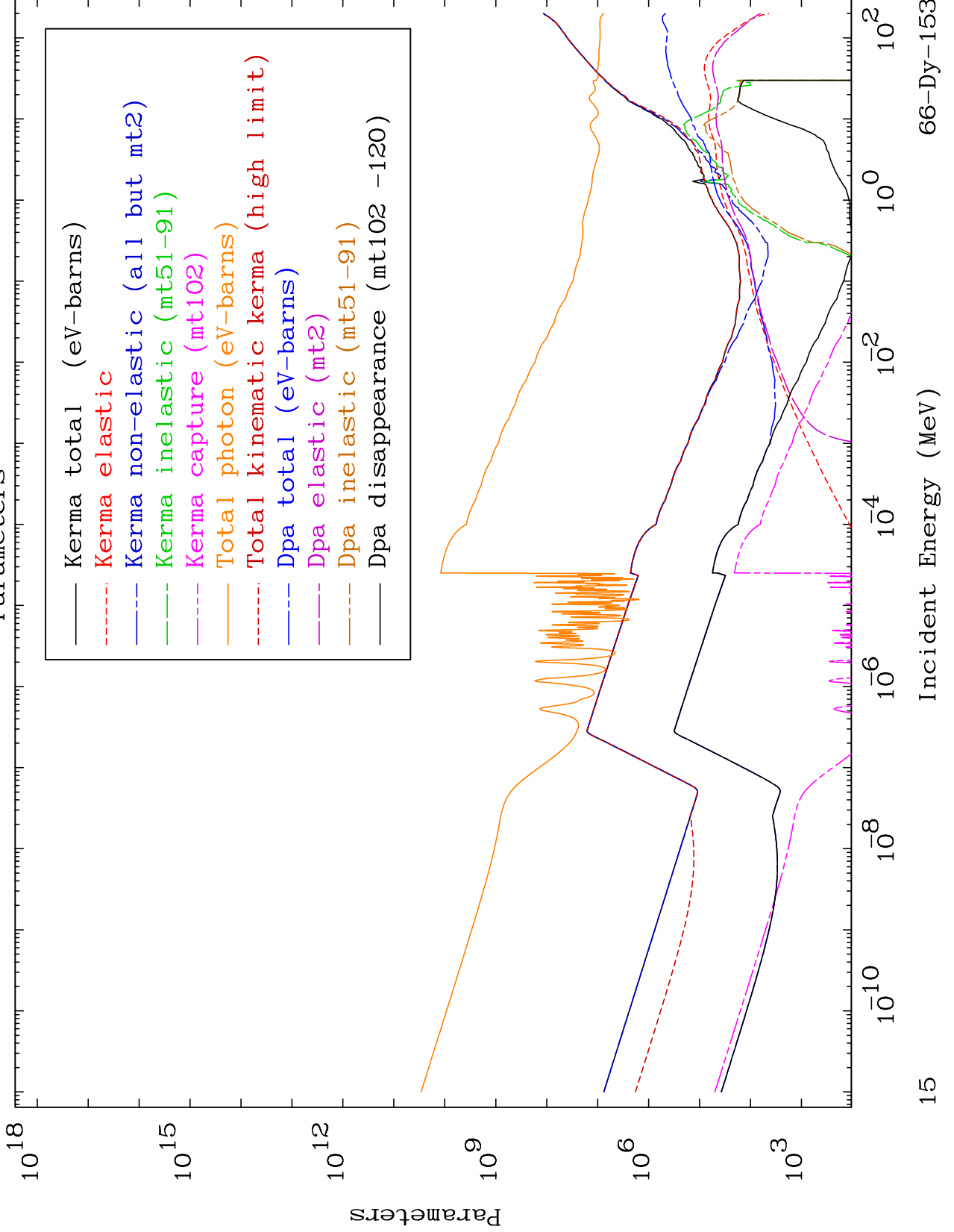
66-Dy-153

MAT 6616

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-153

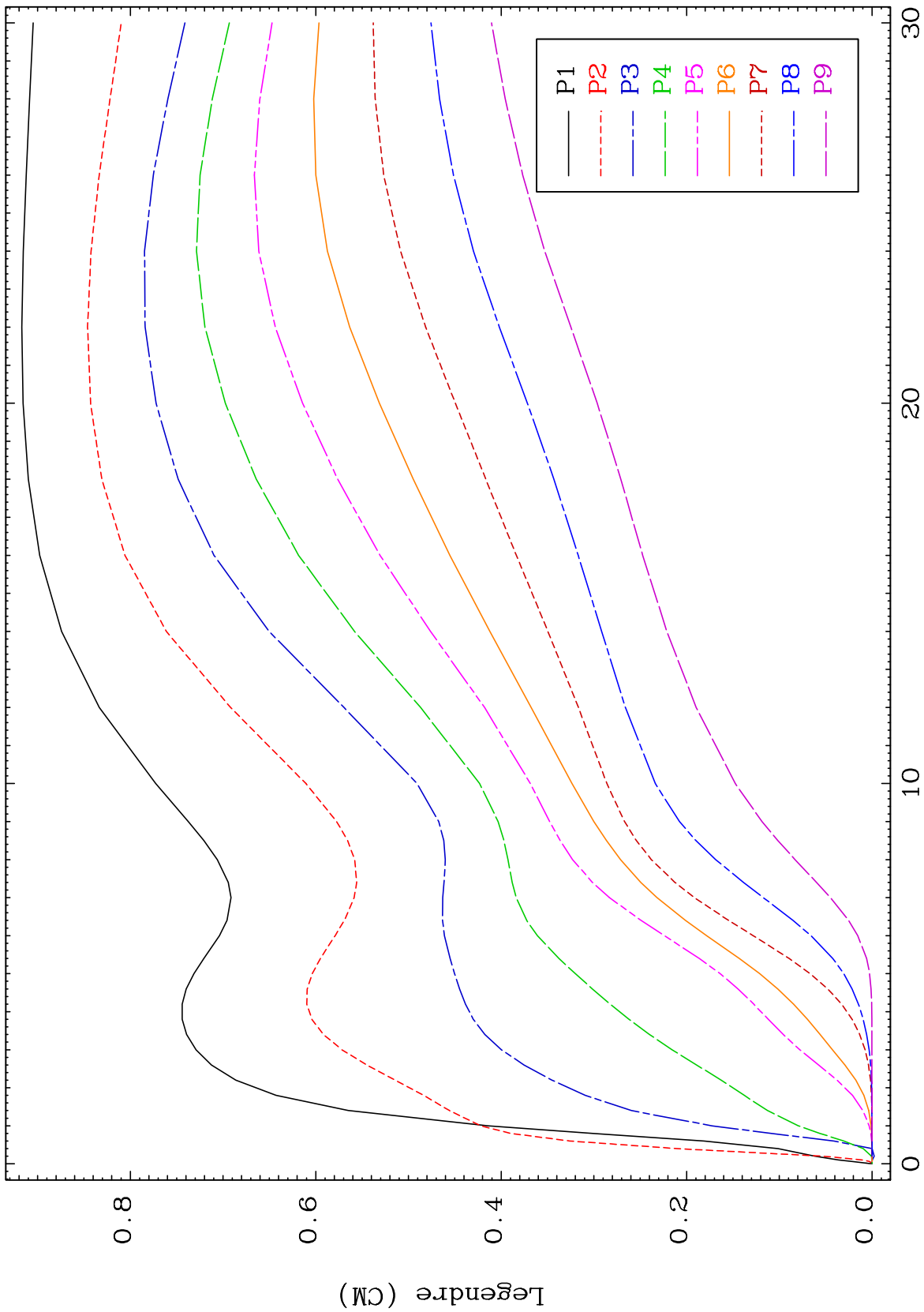




MAT 6616

Elastic Legendre Coefficients

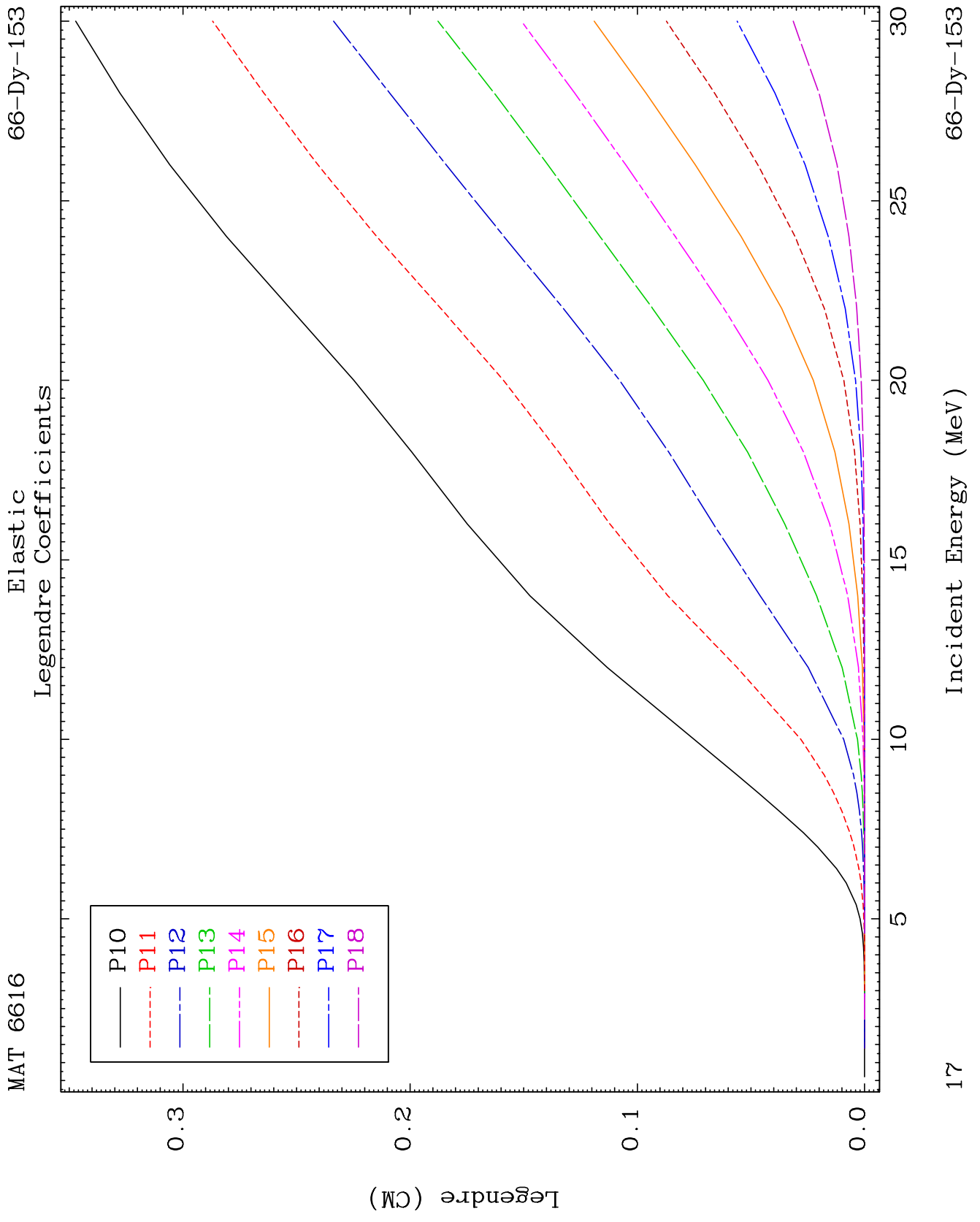
66-Dy-153



16

Incident Energy (MeV)

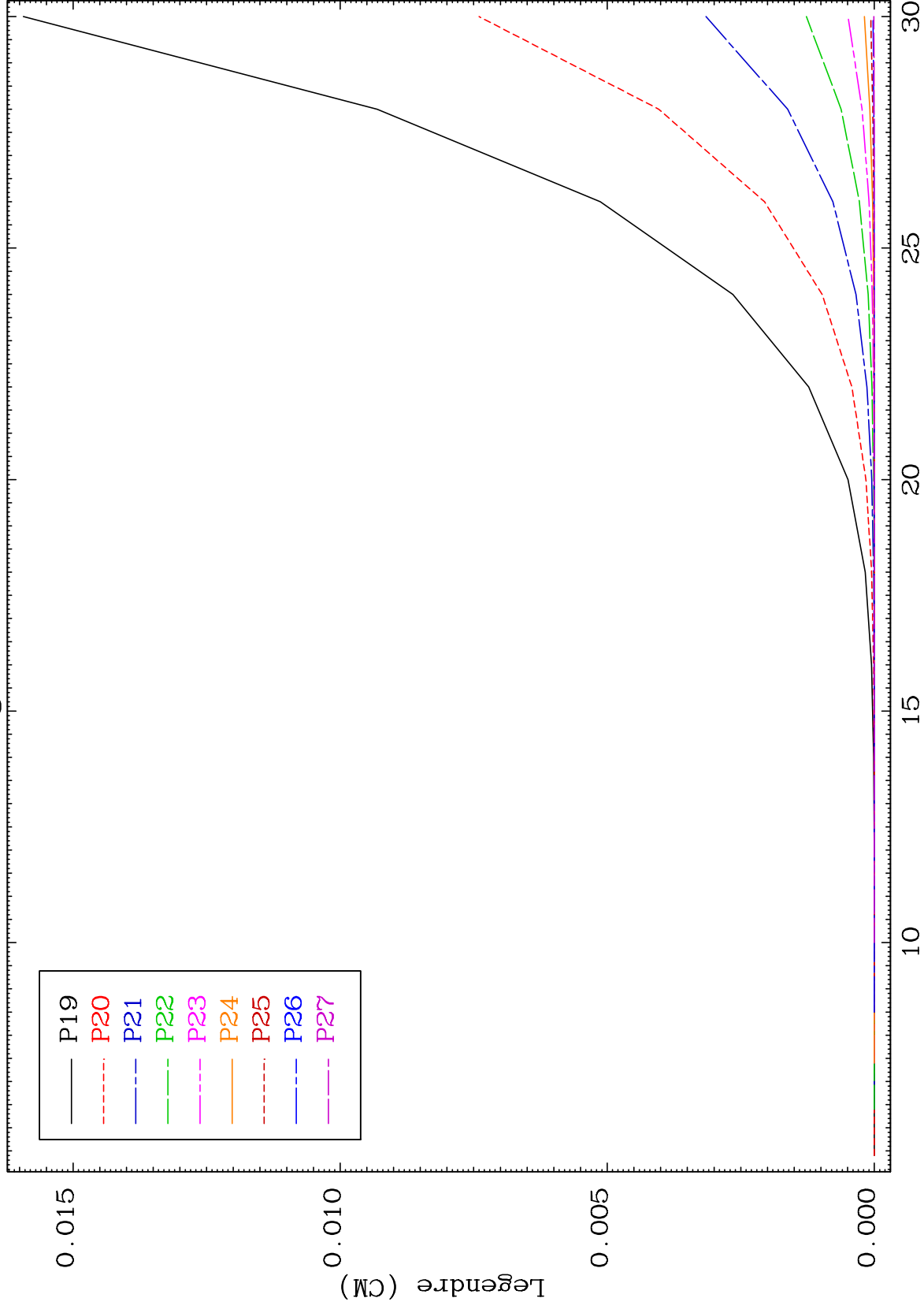
66-Dy-153



MAT 6616

Elastic Legendre Coefficients

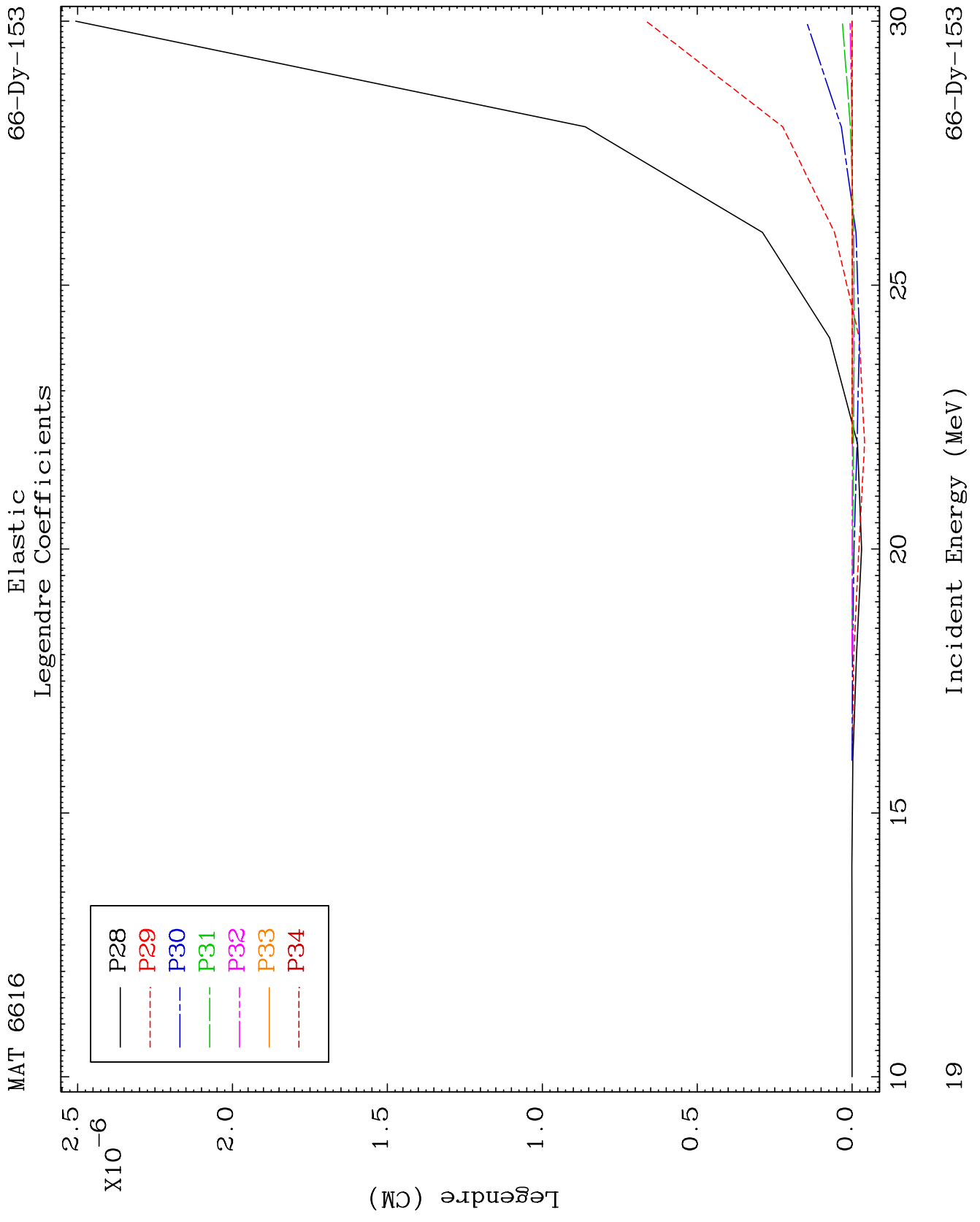
66-Dy-153



18

Incident Energy (MeV)

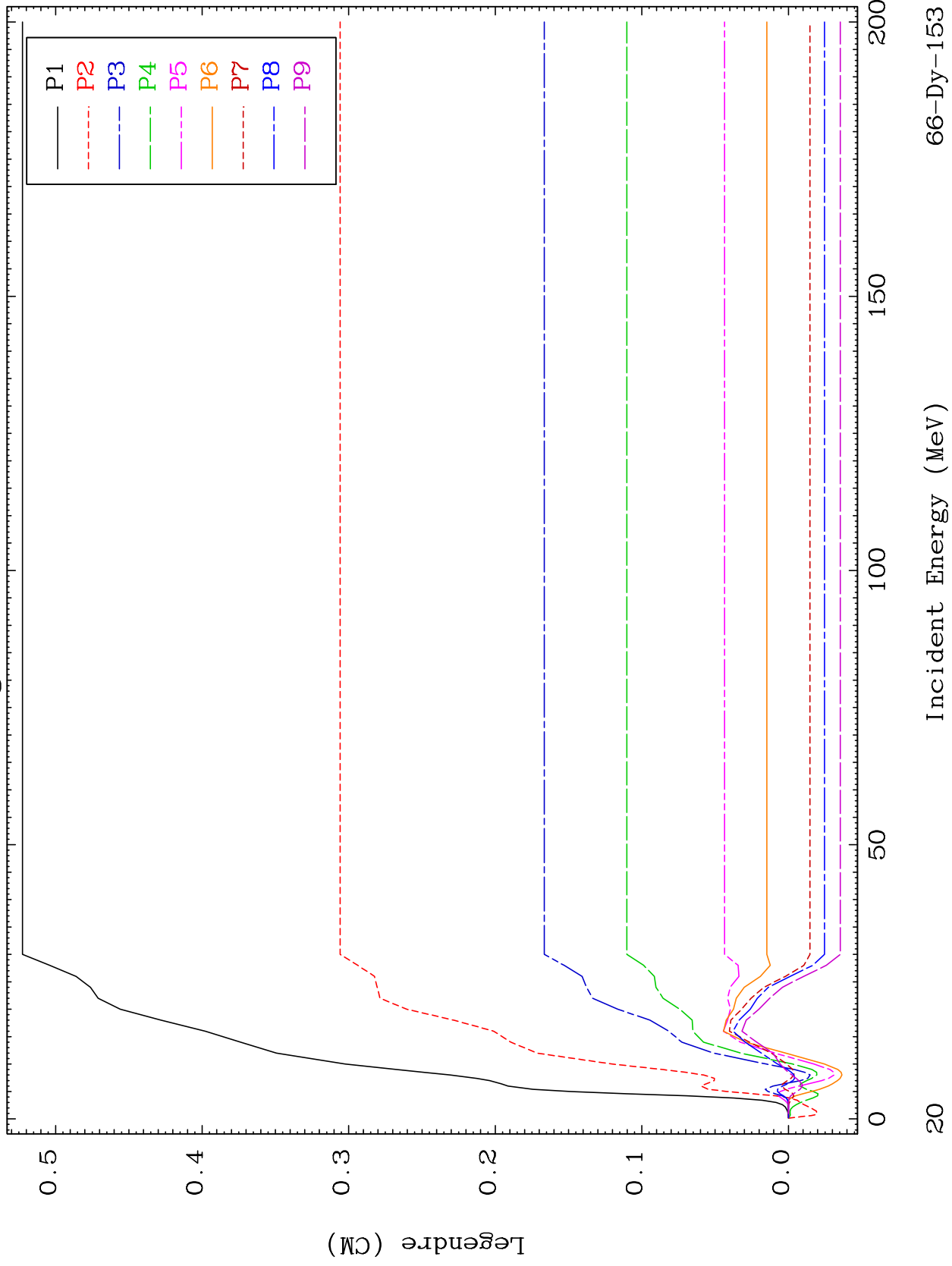
66-Dy-153



MAT 6616

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

66-Dy-153



66-Dy-153

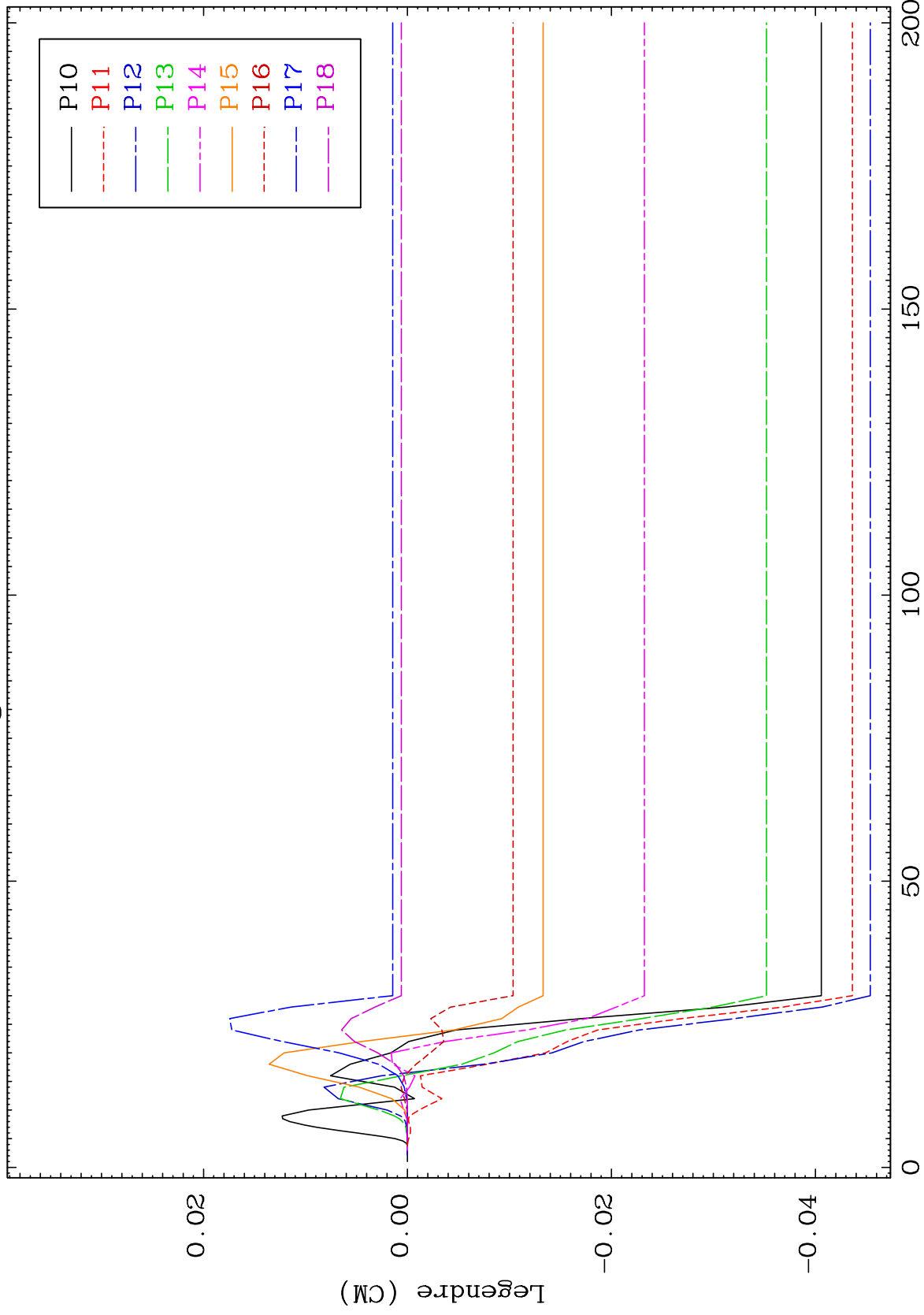
Incident Energy (MeV)

0

MAT 6616

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

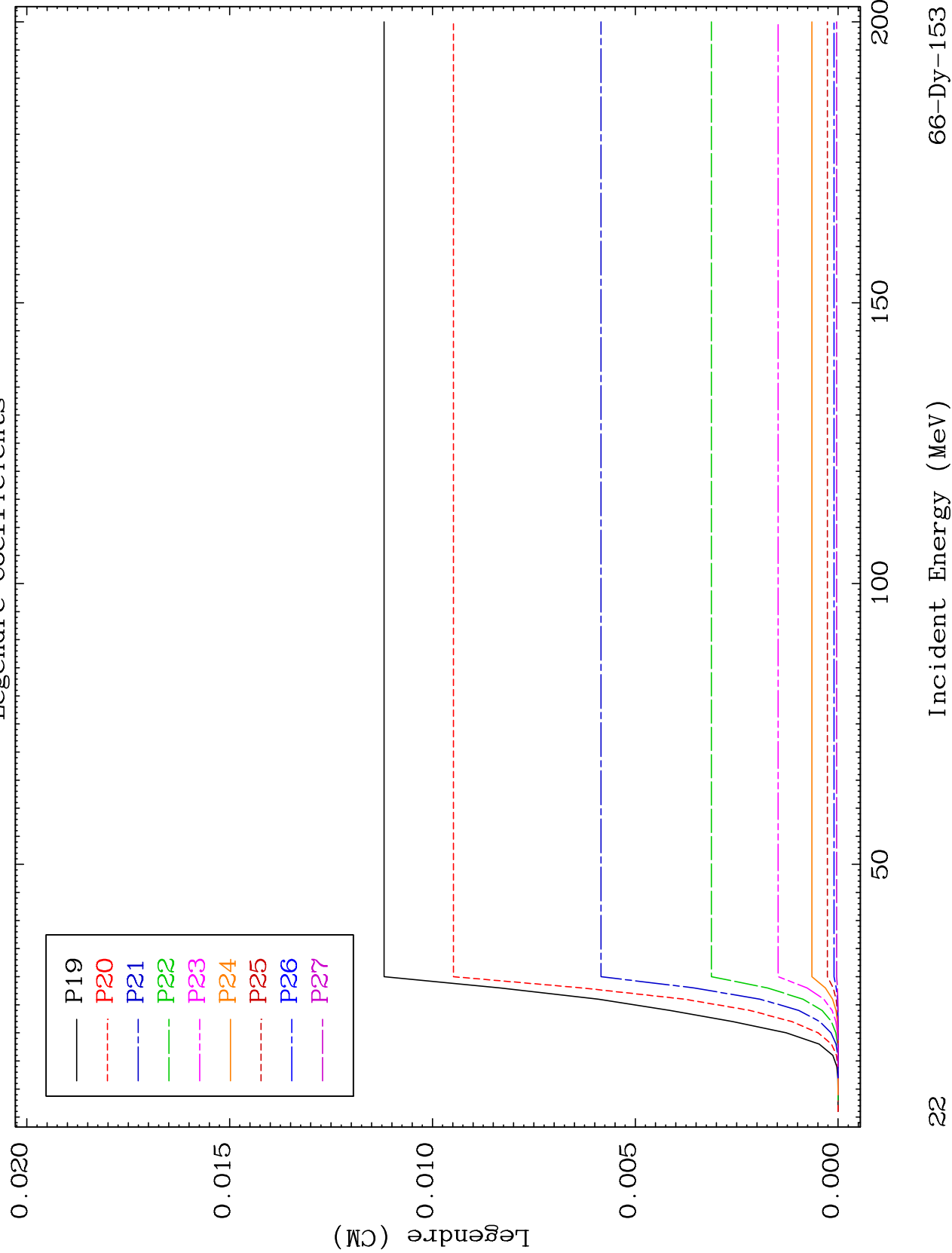
66-Dy-153



21

Incident Energy (MeV)

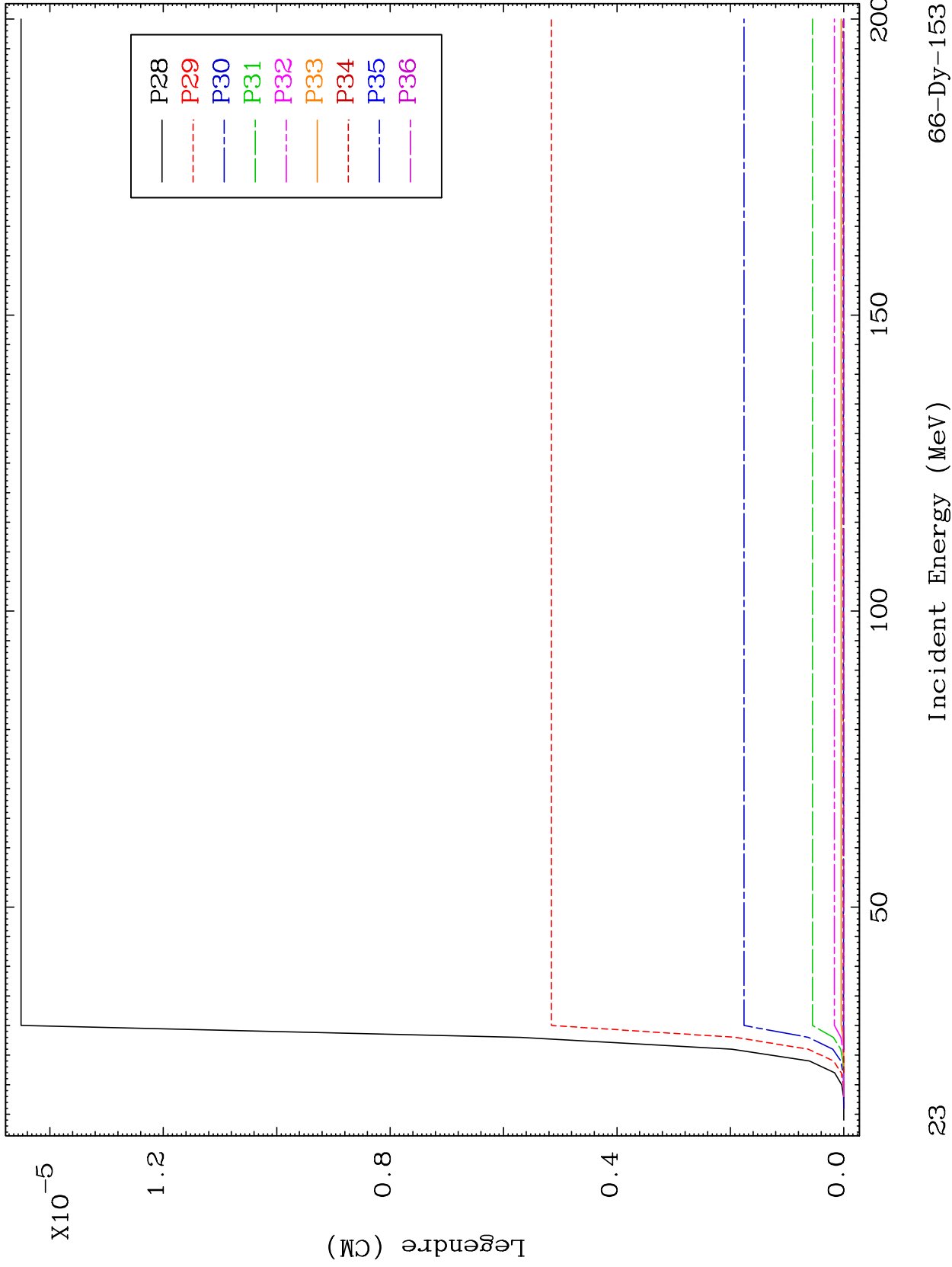
66-Dy-153



MAT 6616

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

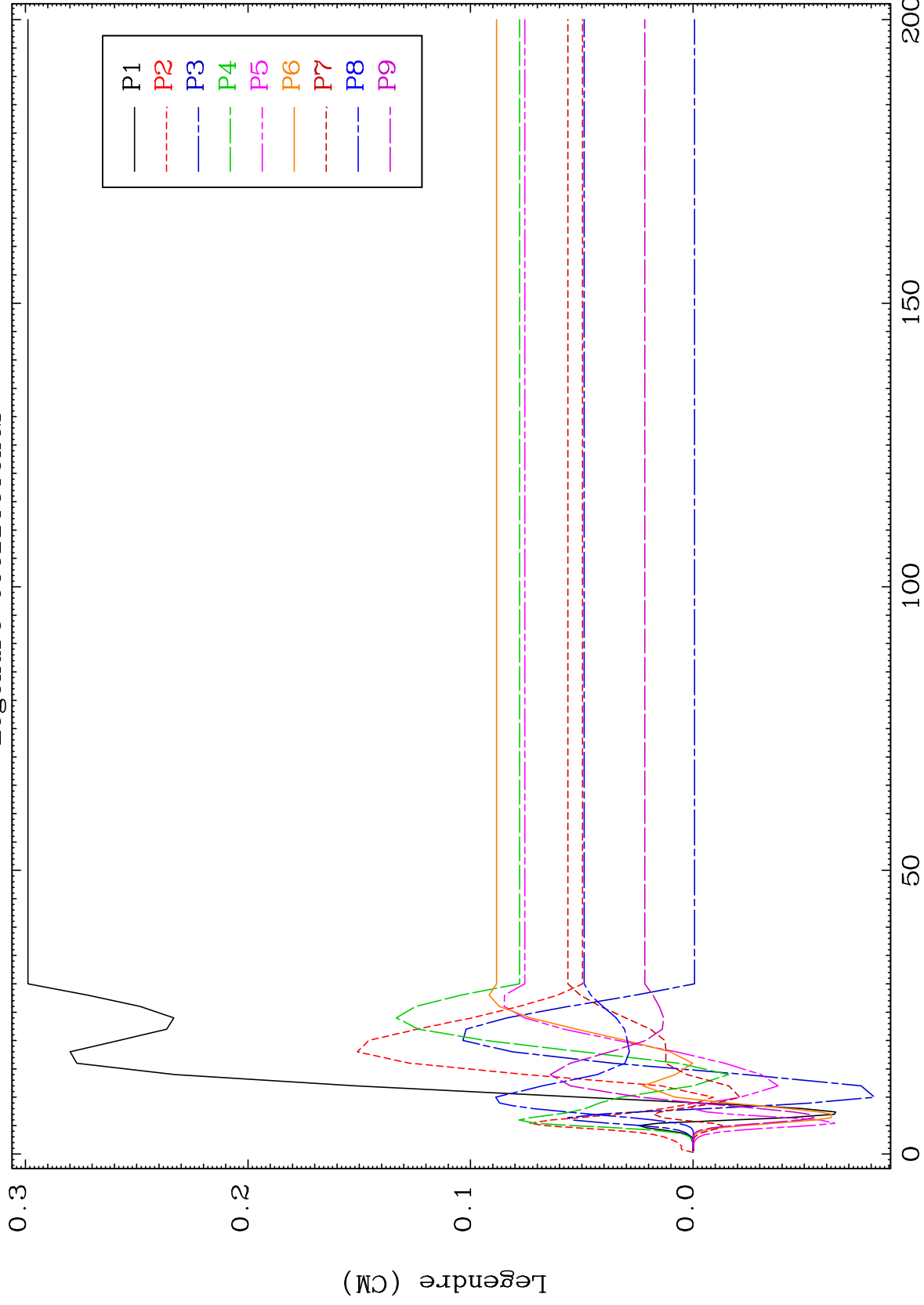
66-Dy-153



MAT 6616

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

66-Dy-153



24

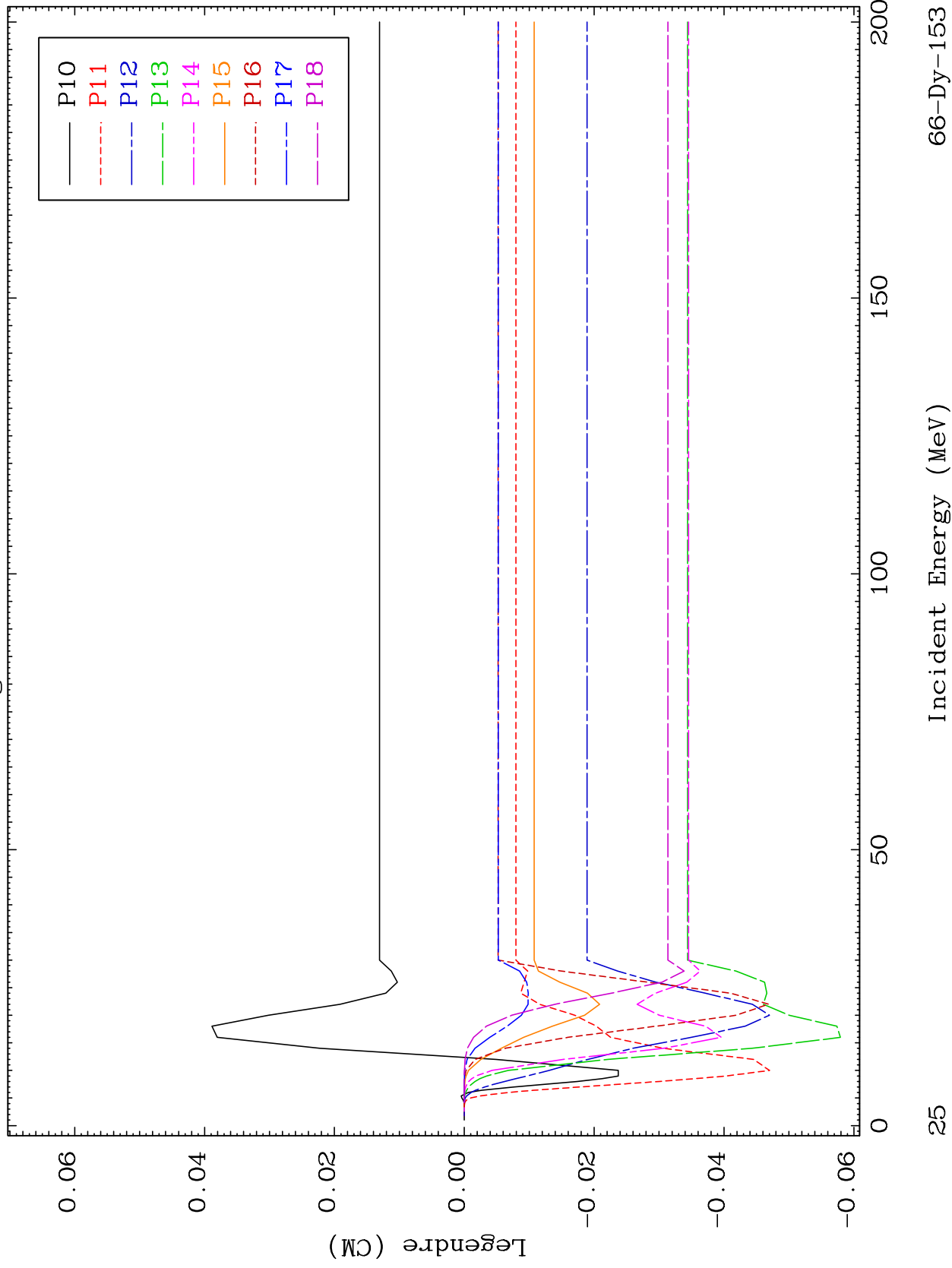
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

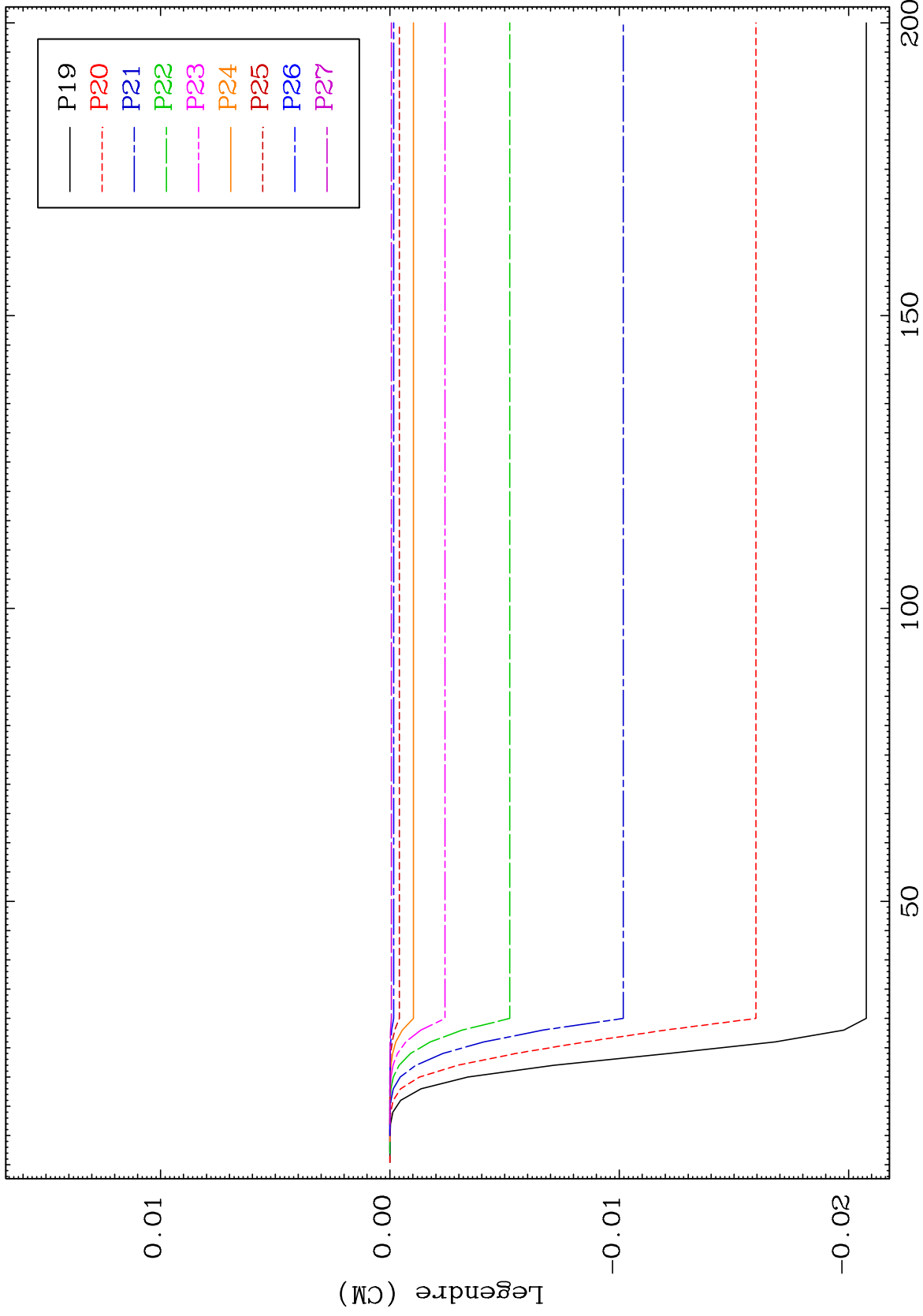
Incident Energy (MeV)

25

MAT 6616

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

66-Dy-153

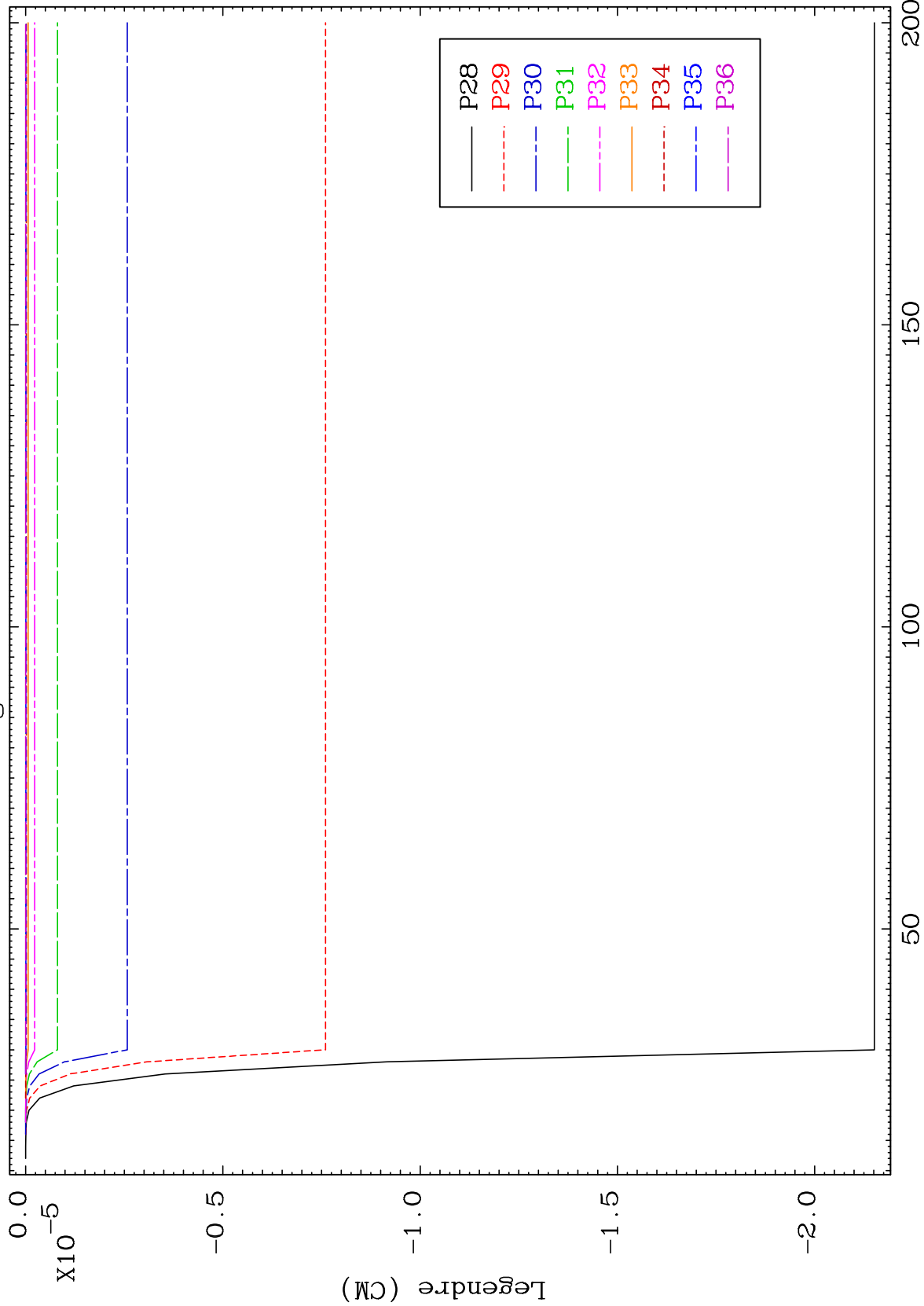


26

Incident Energy (MeV)

66-Dy-153

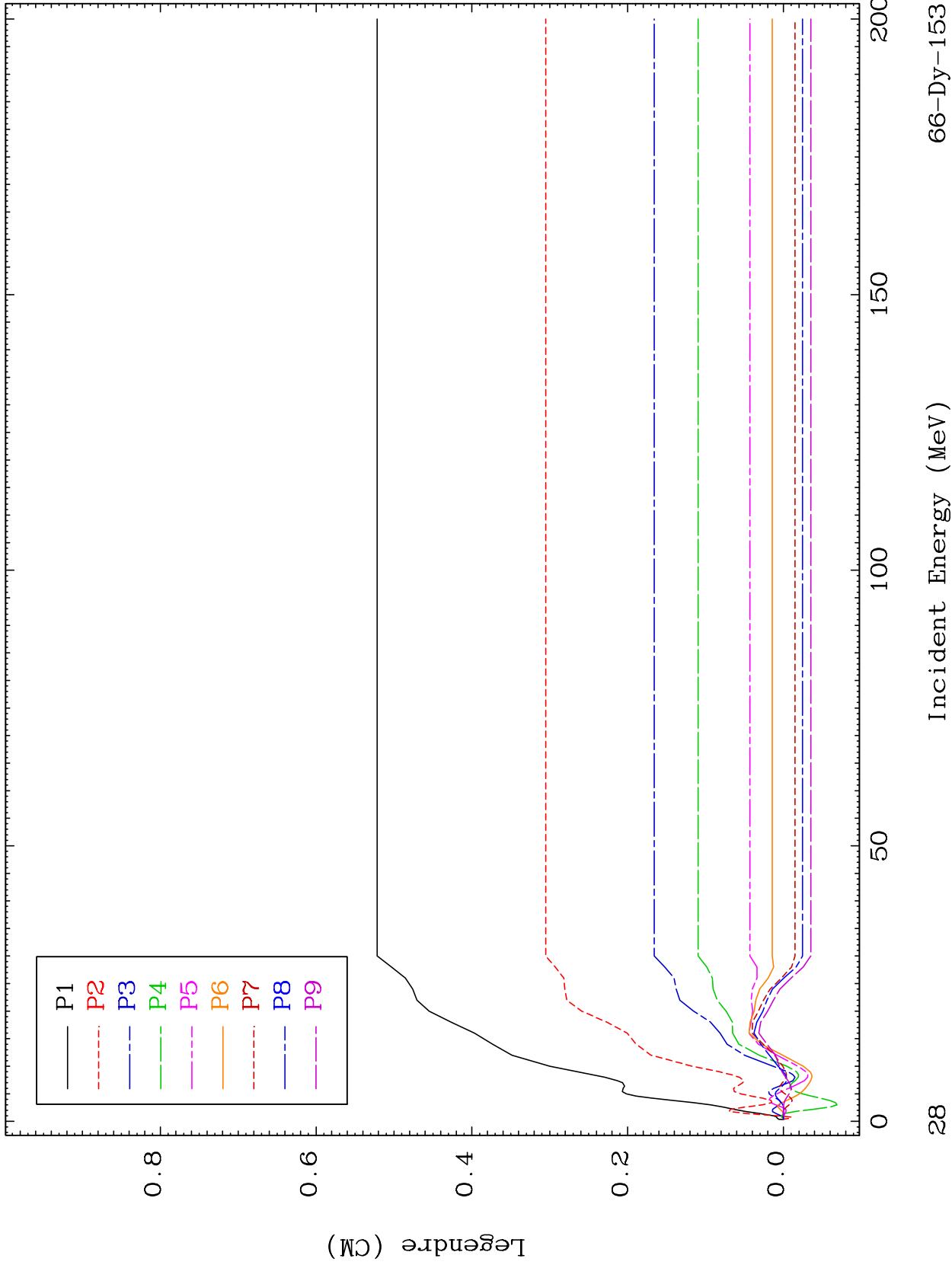
Legendre Coefficients



MAT 6616

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

66-Dy-153



28

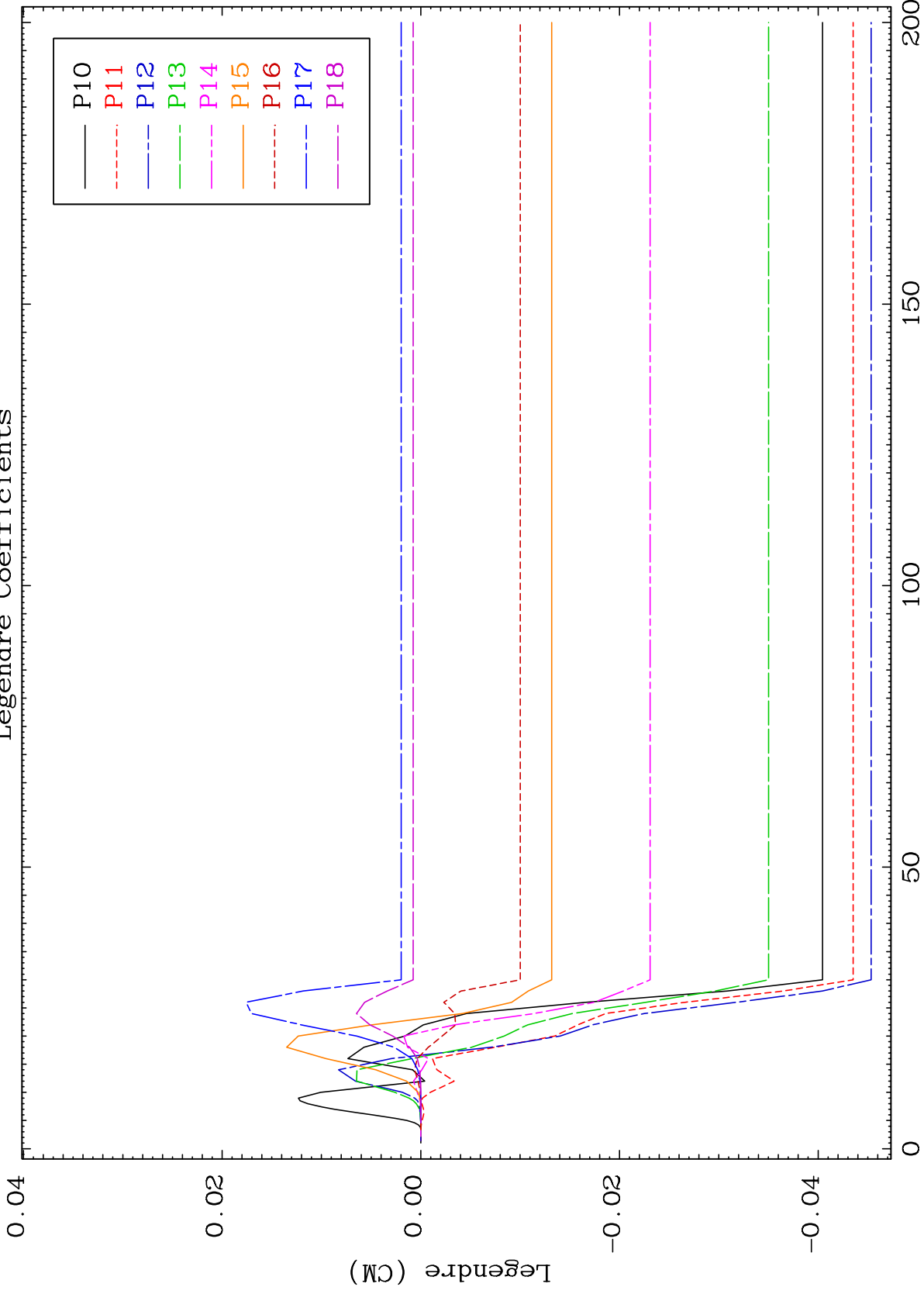
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



29

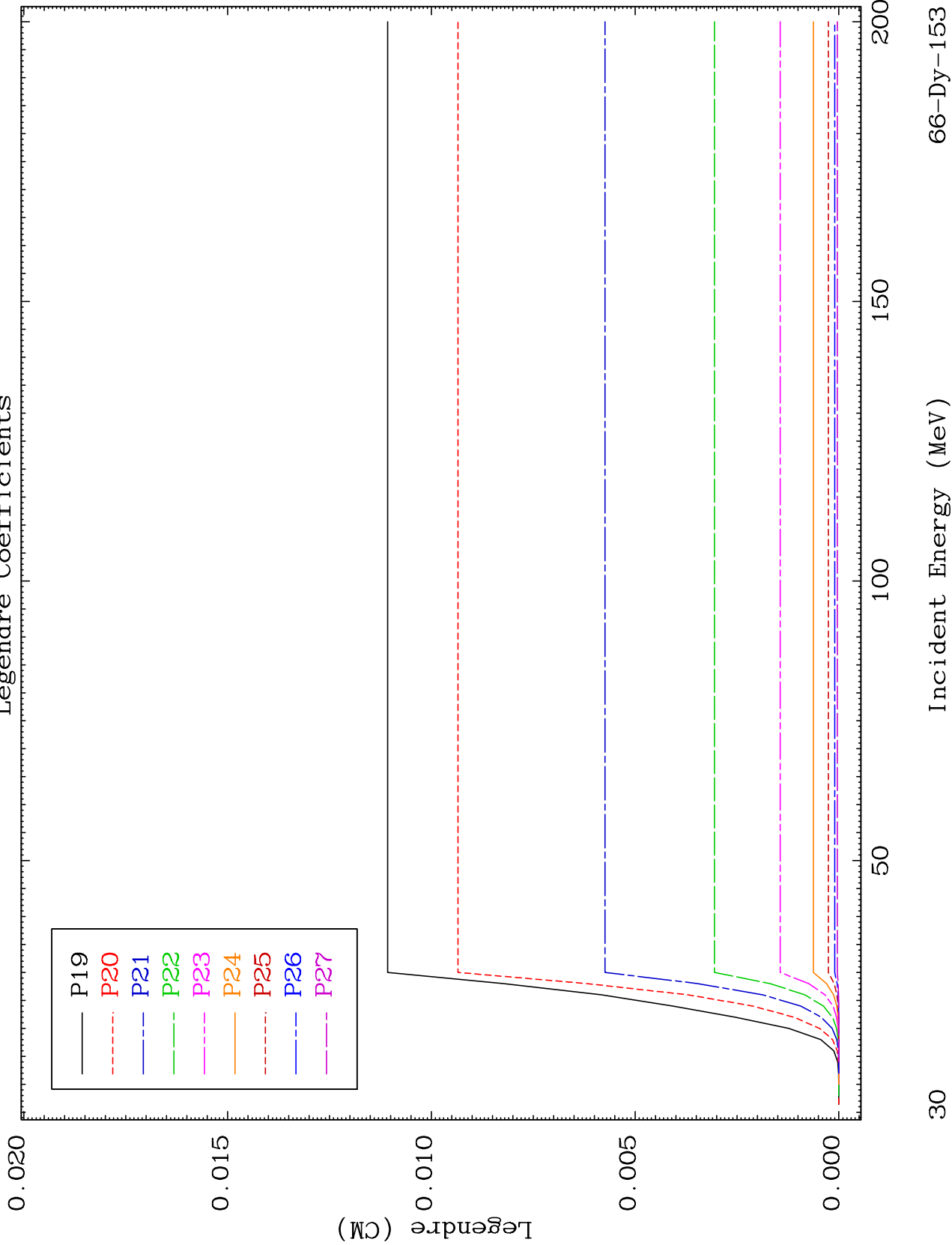
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



30

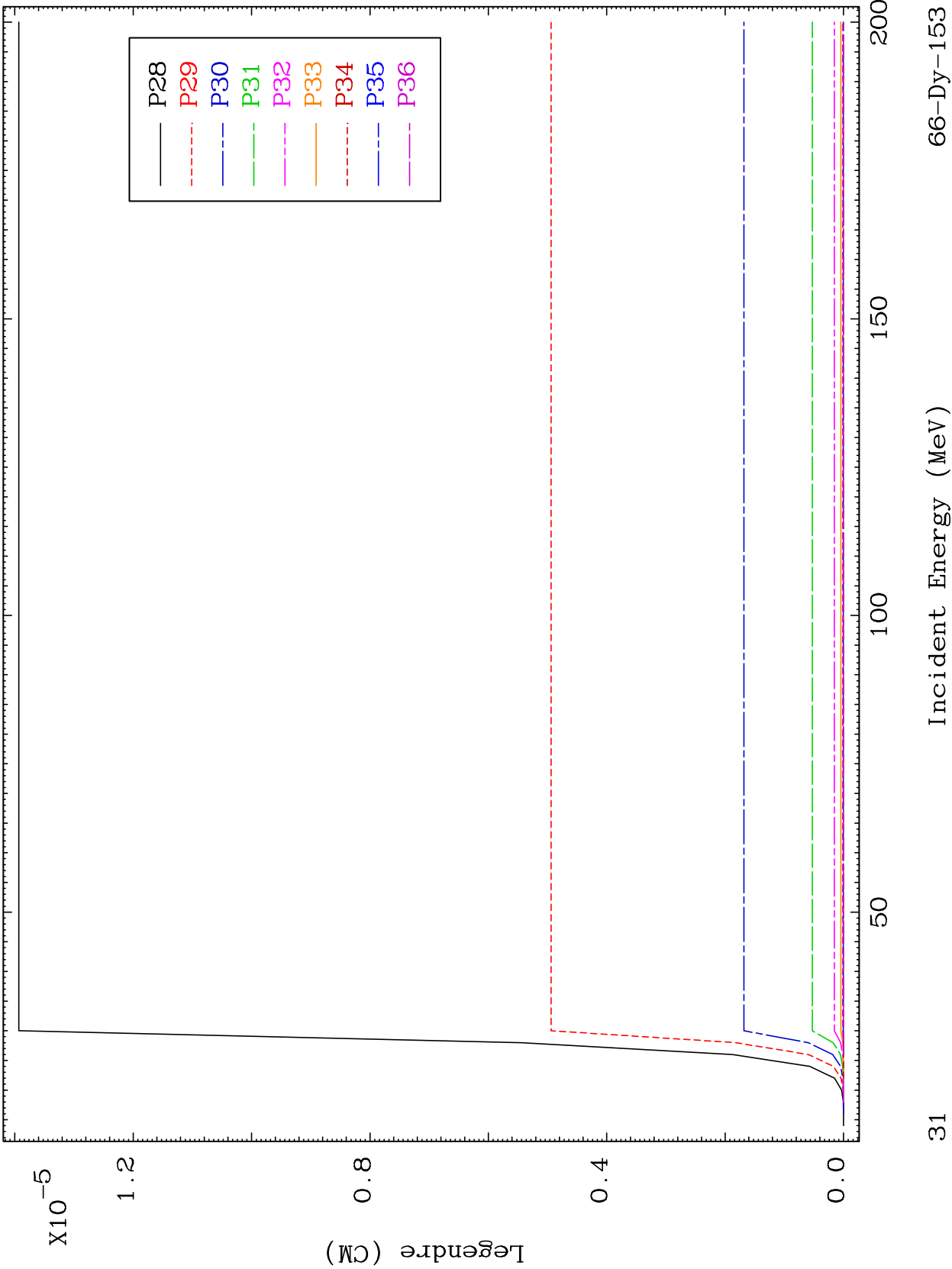
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

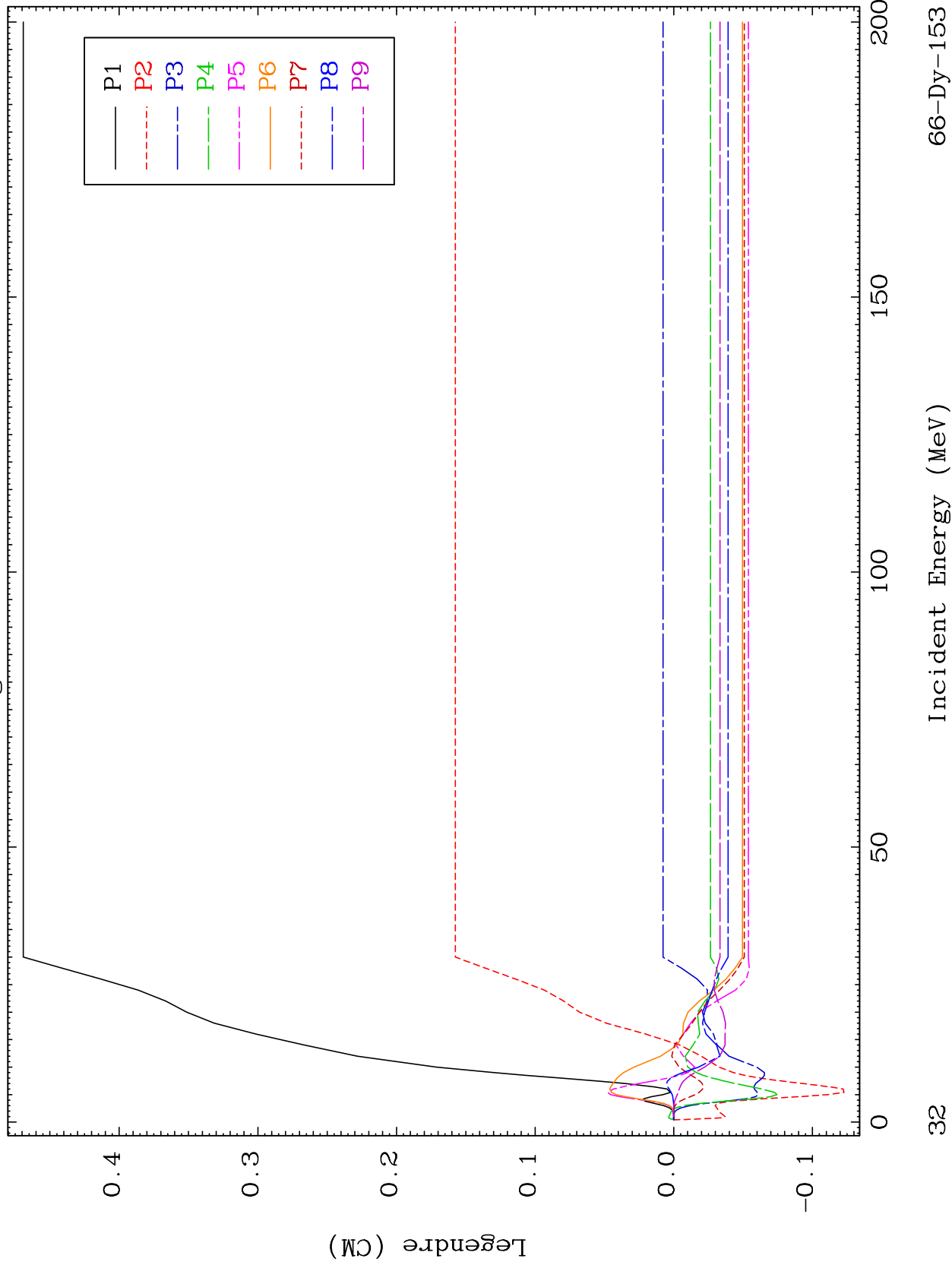
66-Dy-153



MAT 6616

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

66-Dy-153



66-Dy-153

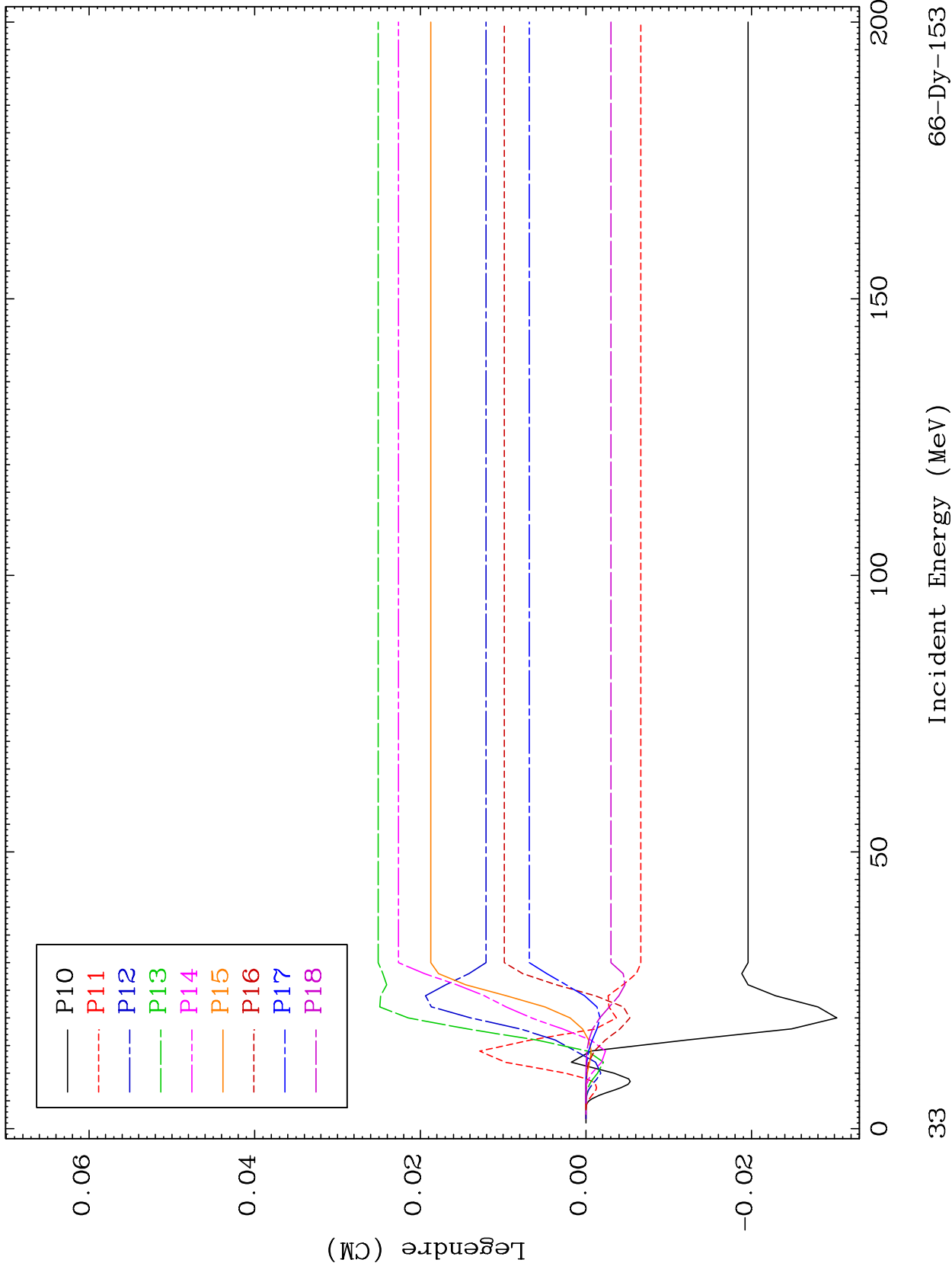
Incident Energy (MeV)

32

MAT 6616

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

66-Dy-153



33

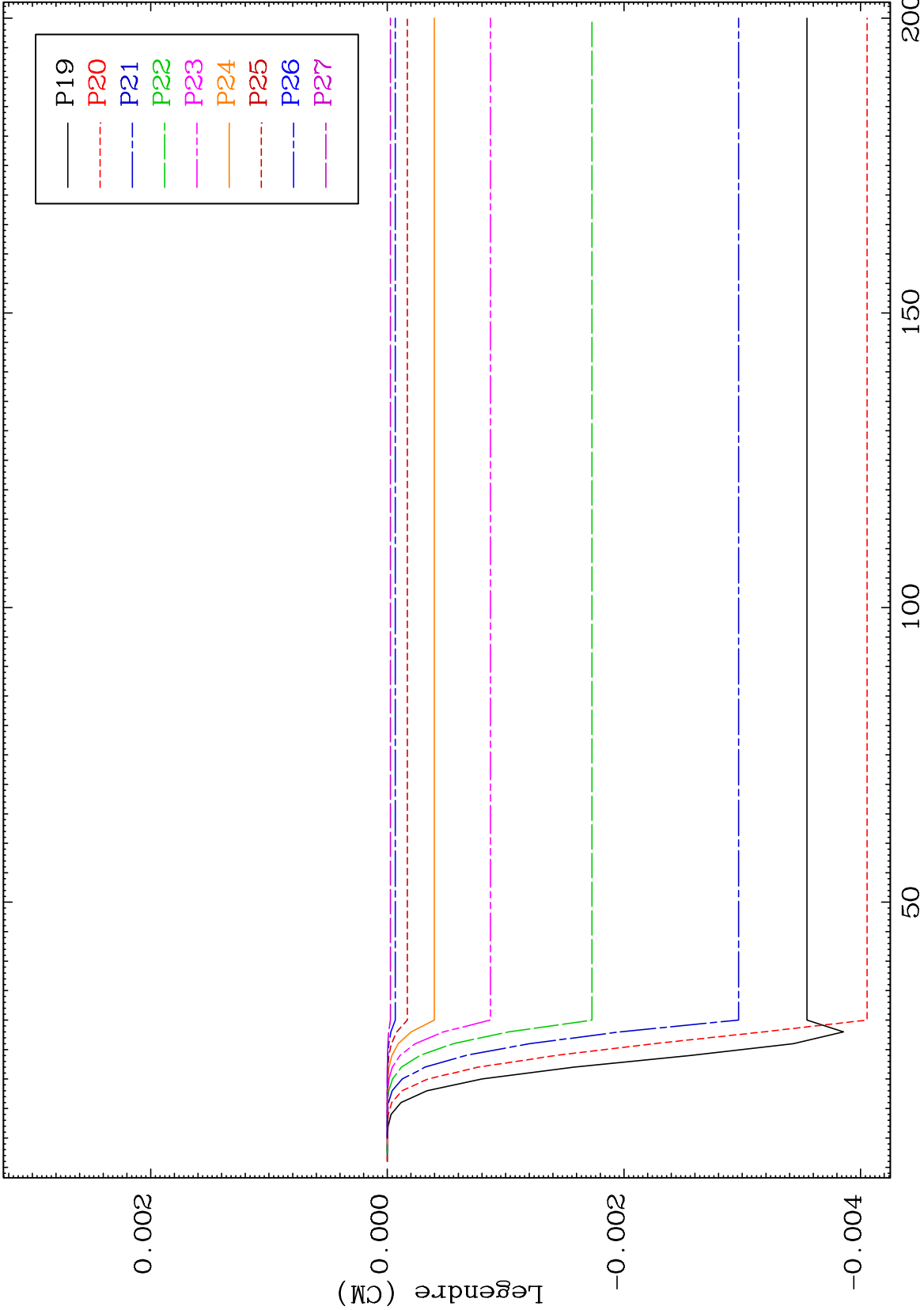
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



34

Incident Energy (MeV)

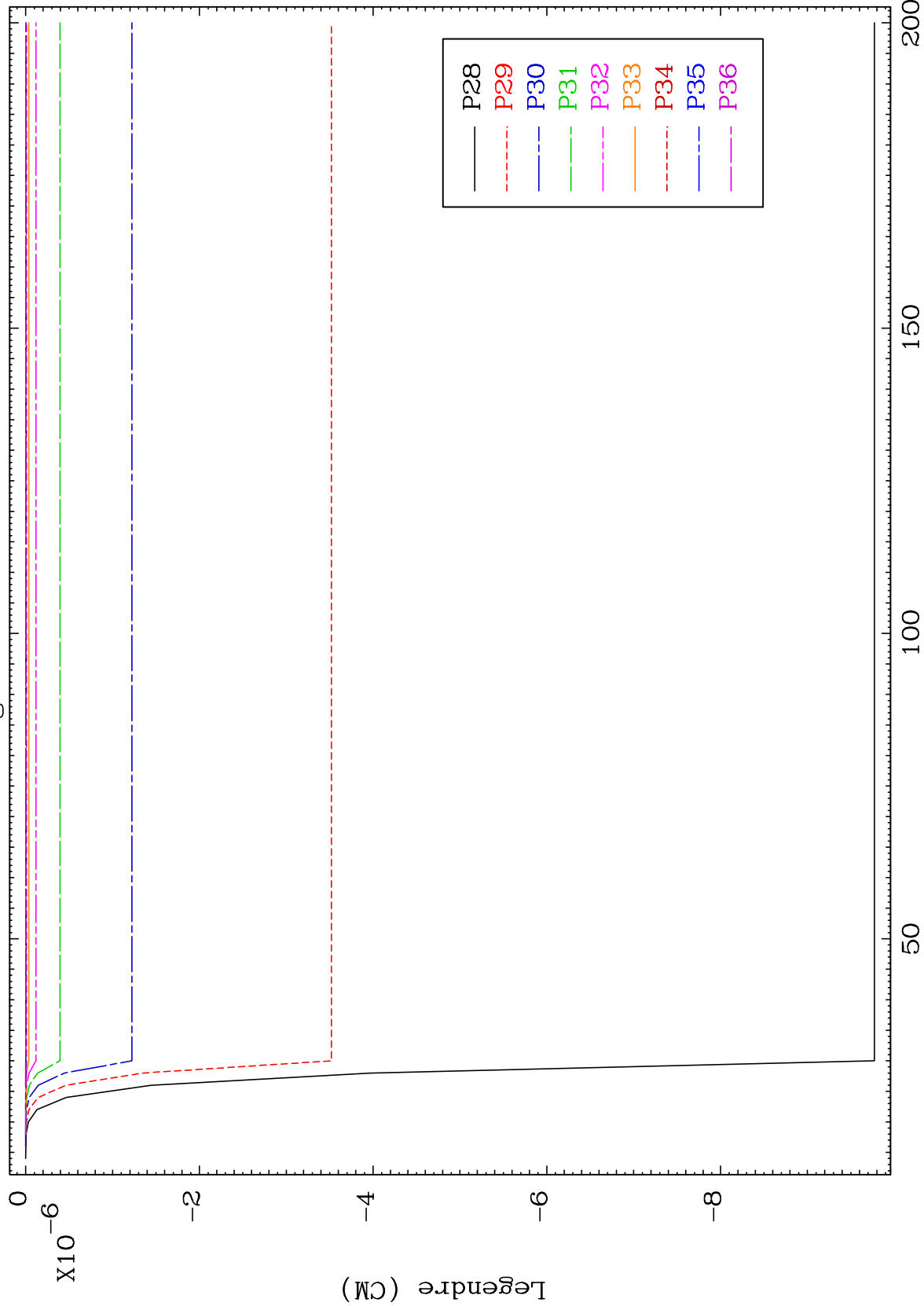
66-Dy-153

MAT 6616

MT= 54 (n,n') Level

66-Dy-153

Legendre Coefficients



35

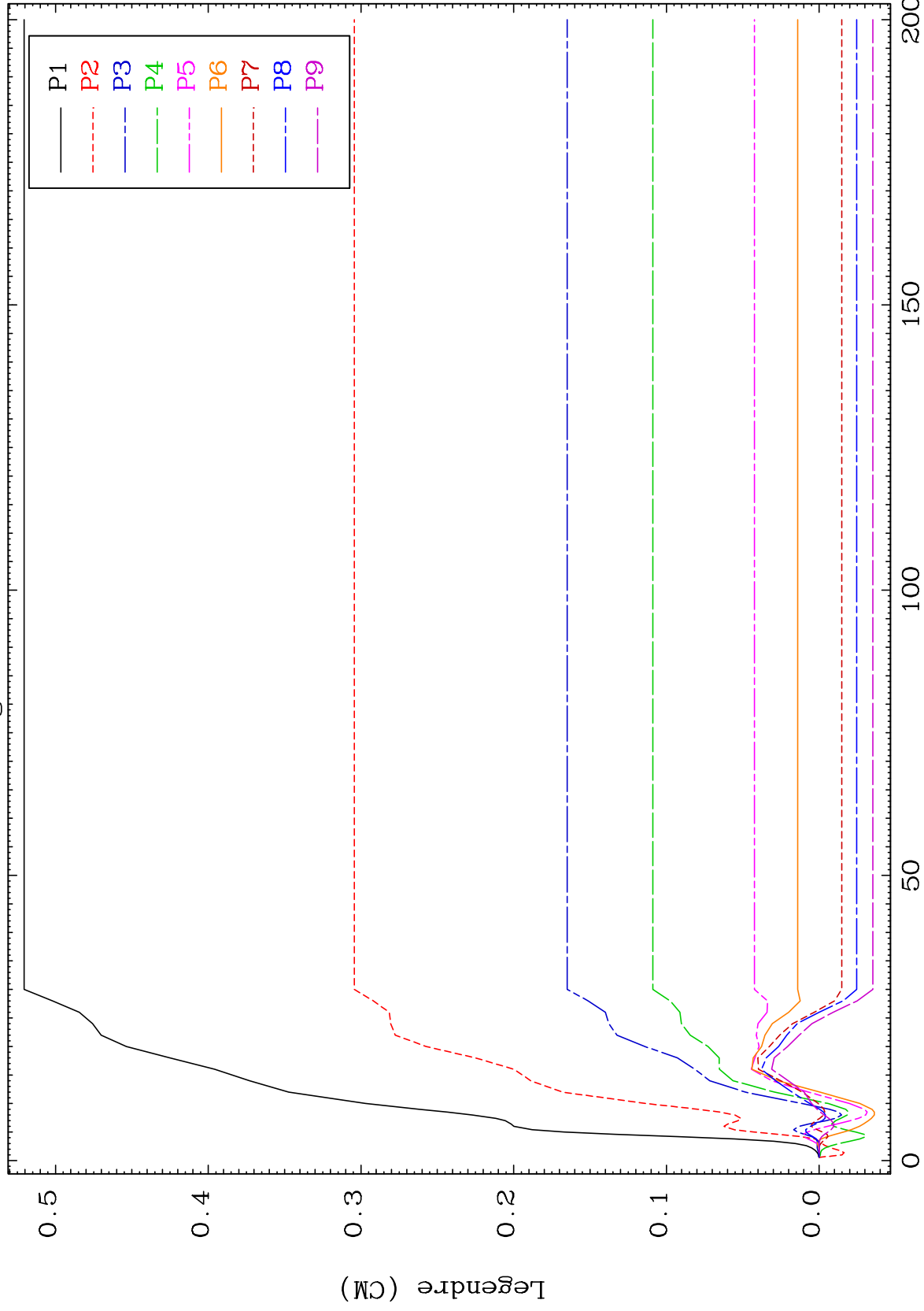
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



36

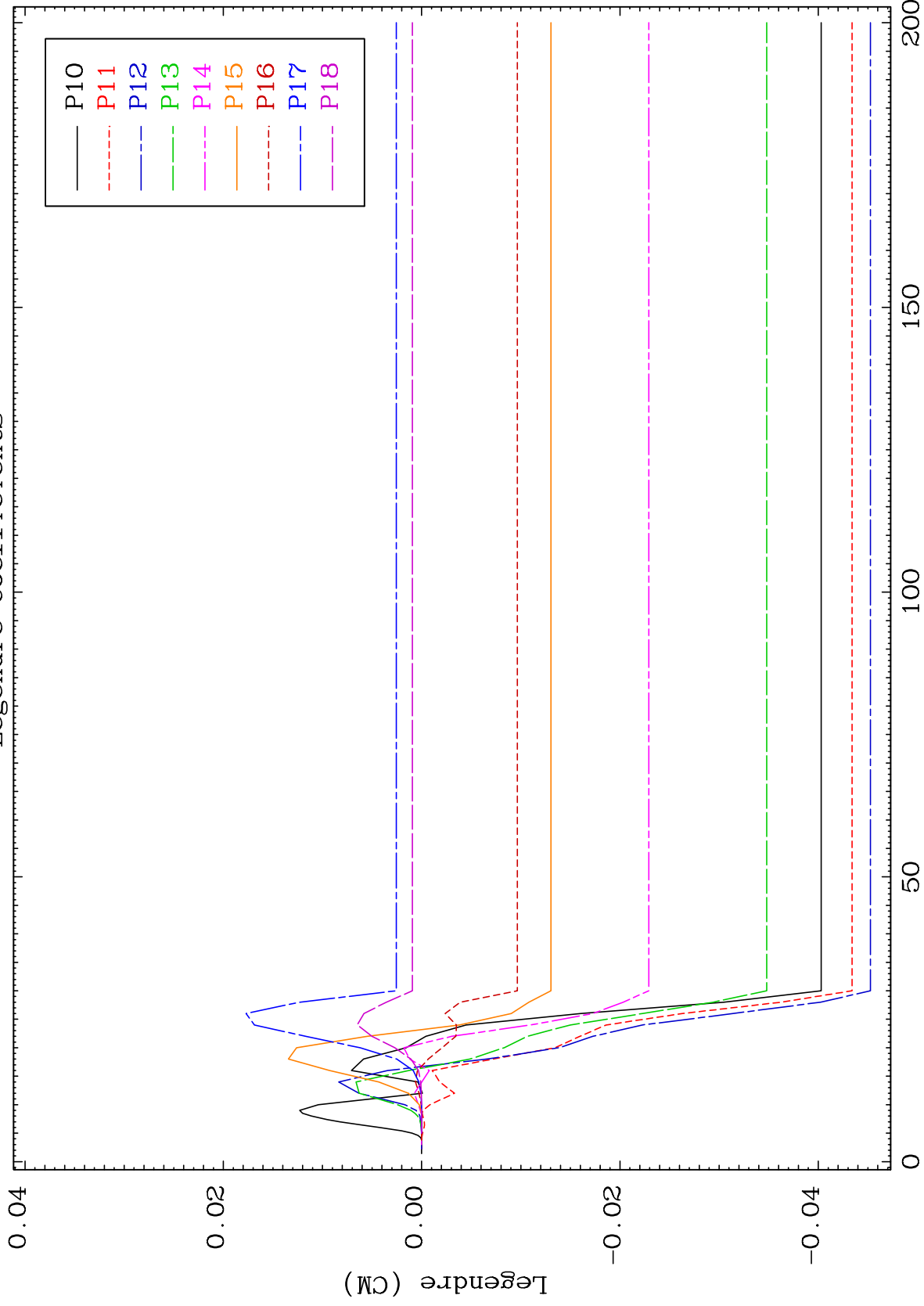
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

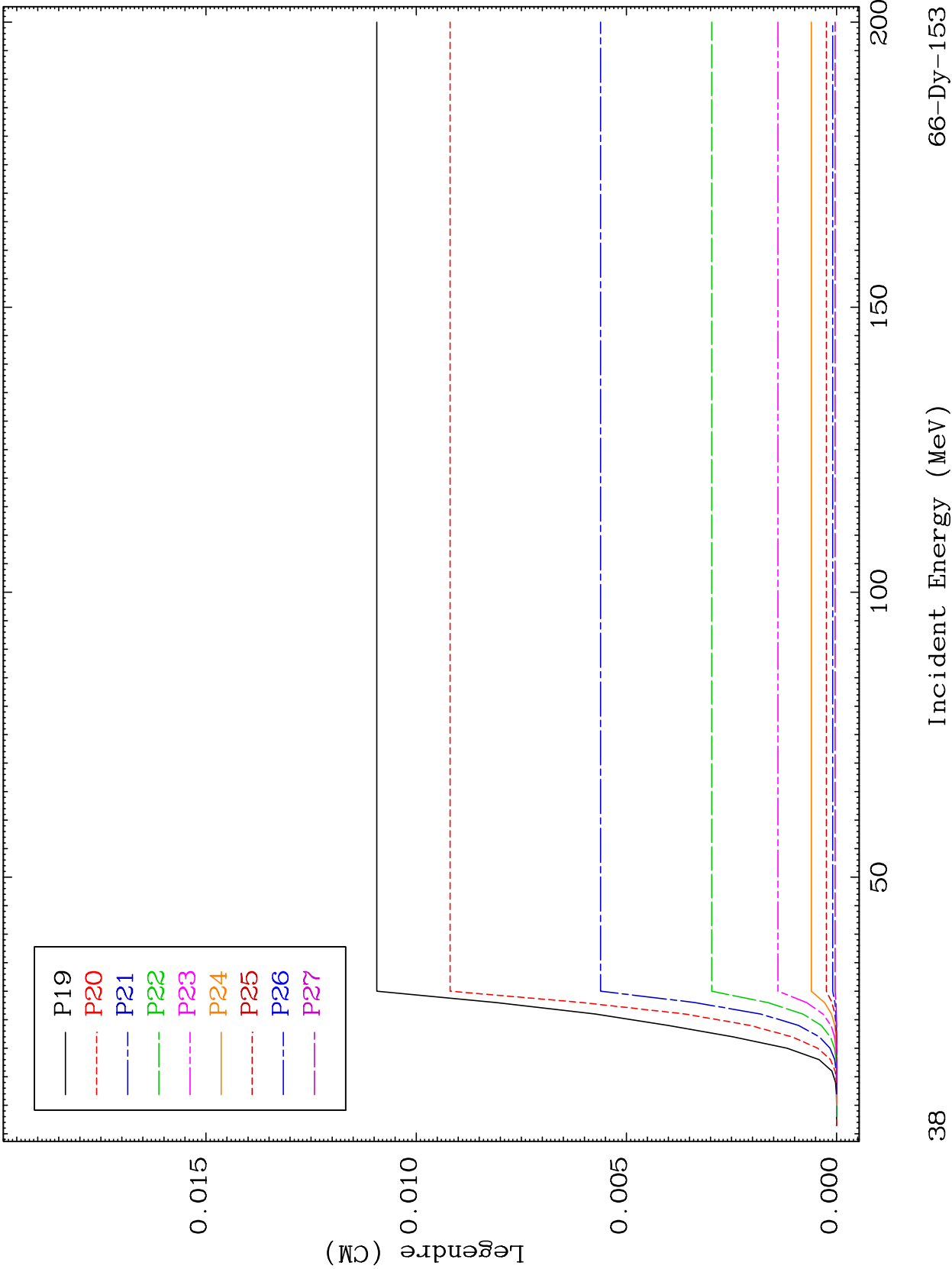
66-Dy-153



37

Incident Energy (MeV)

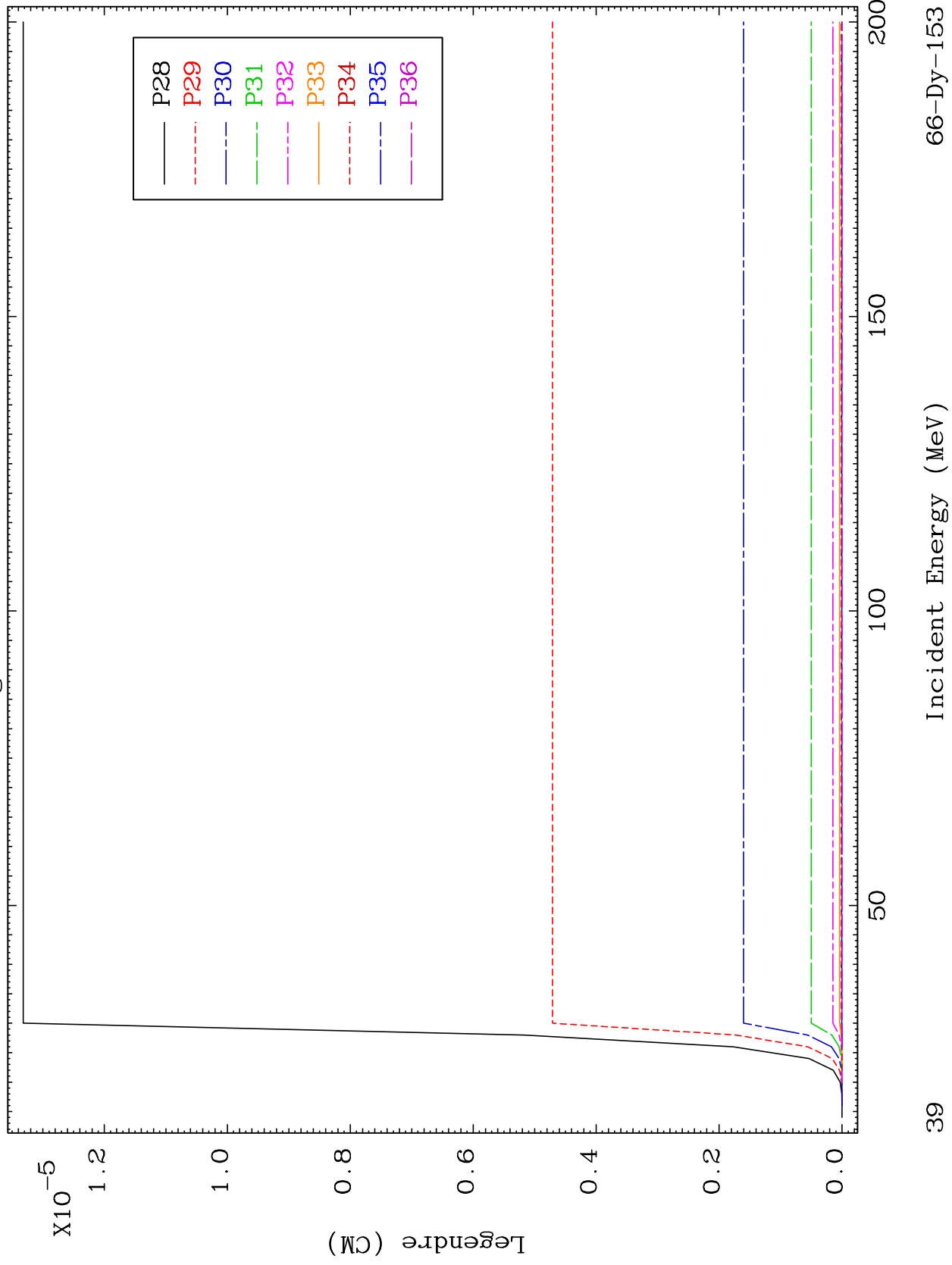
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MAT 6616

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

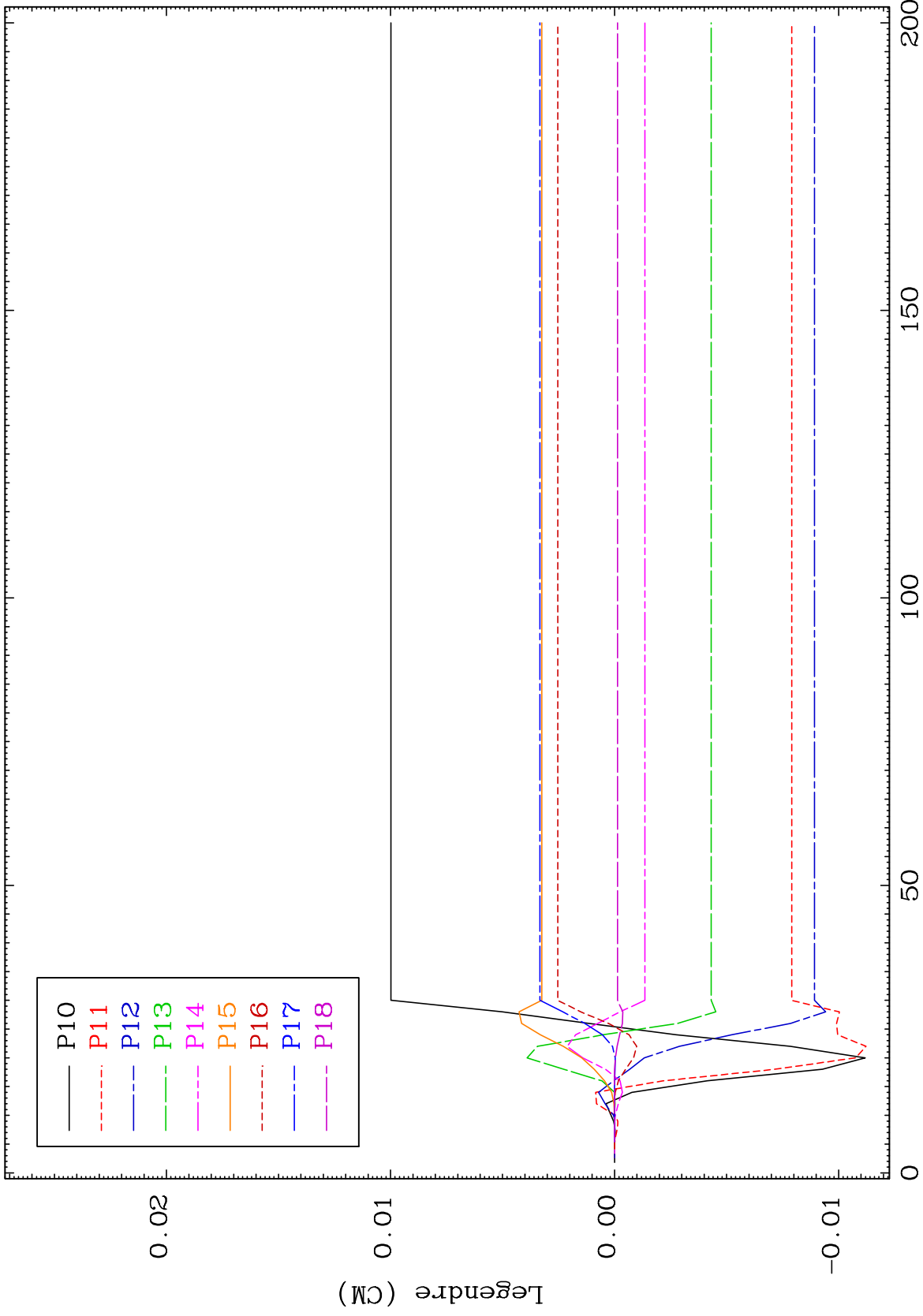
66-Dy-153



MAT 6616

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

66-Dy-153



41

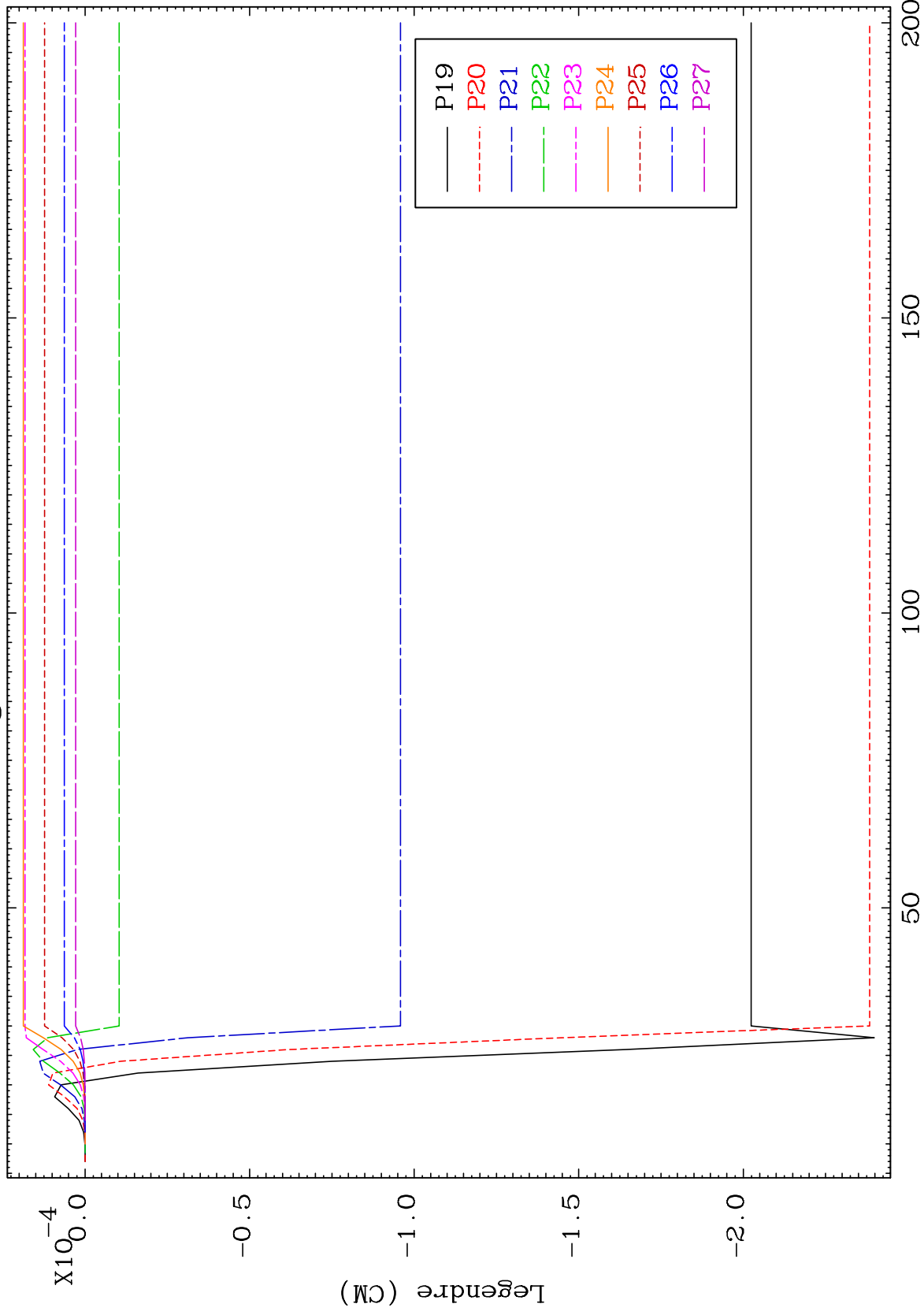
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



42

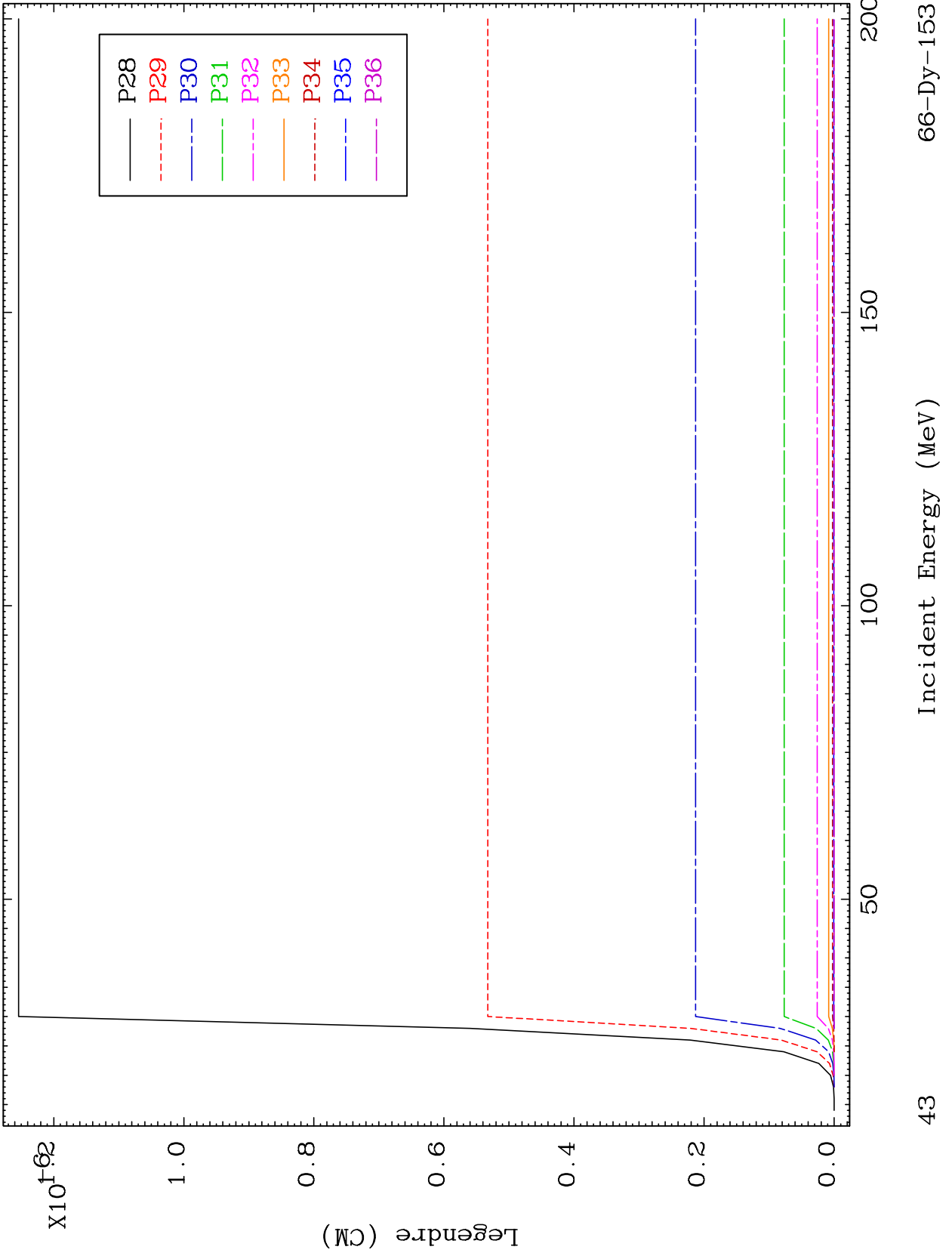
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

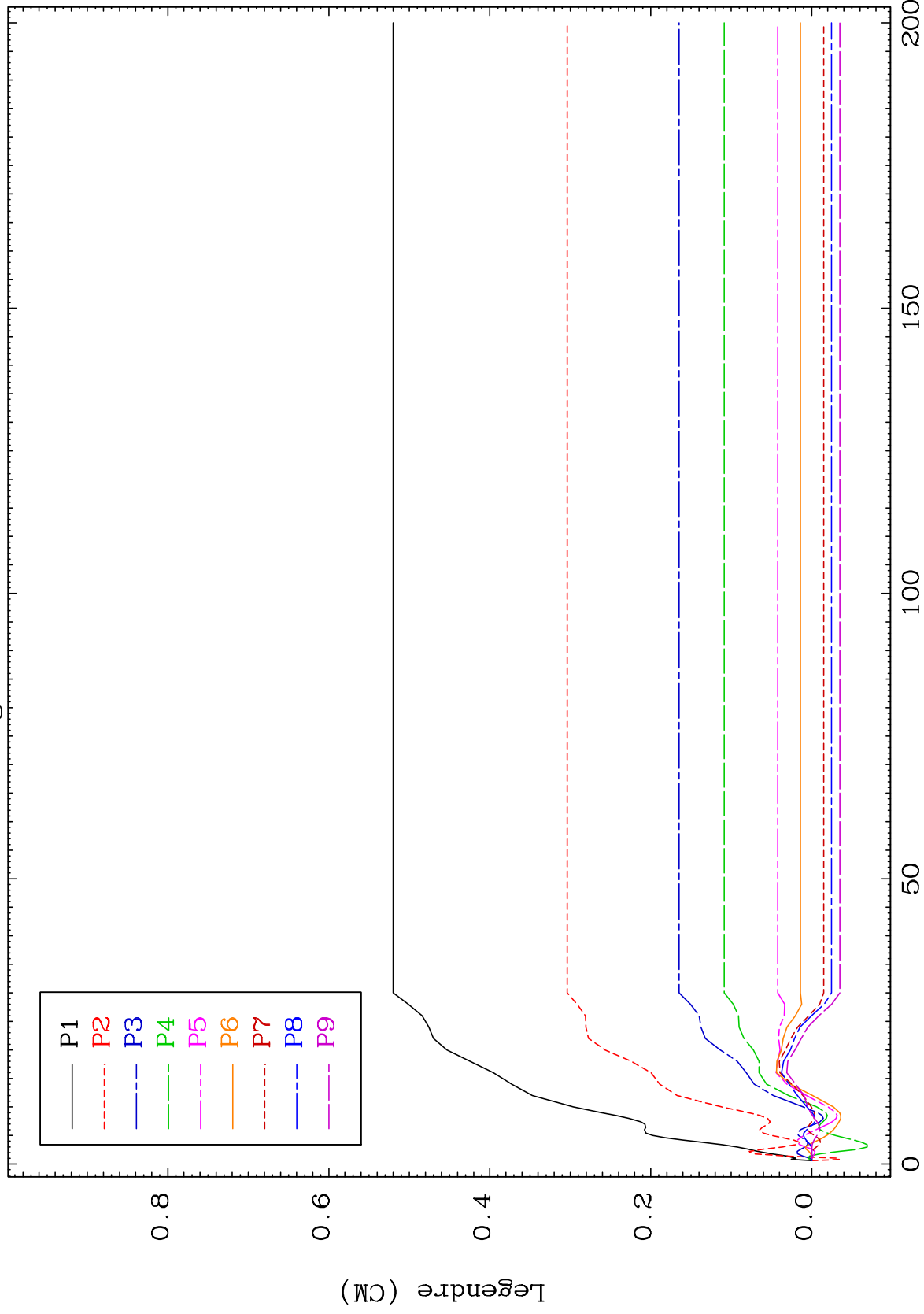
66-Dy-153



MAT 6616

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

66-Dy-153



44

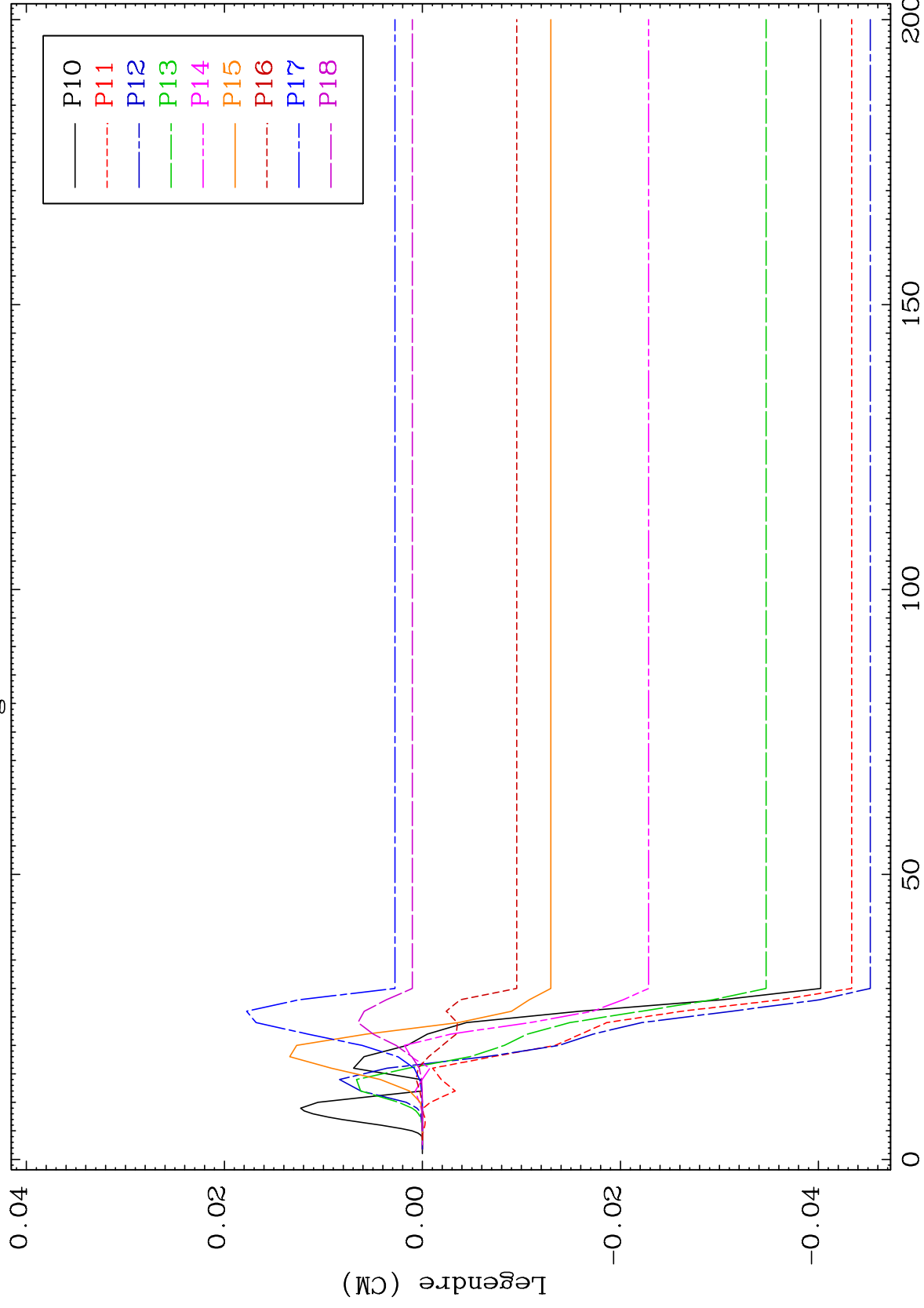
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



45

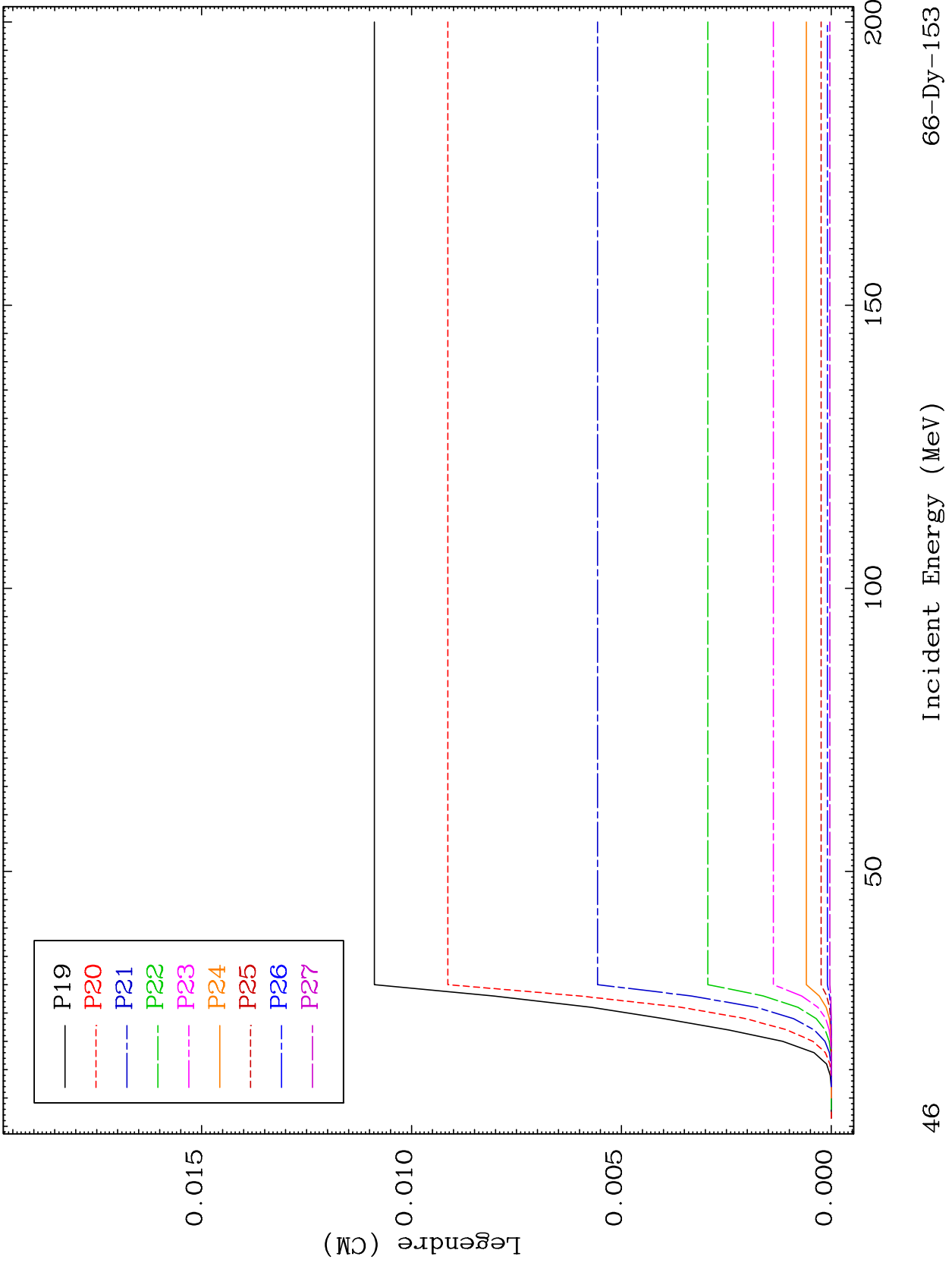
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



46

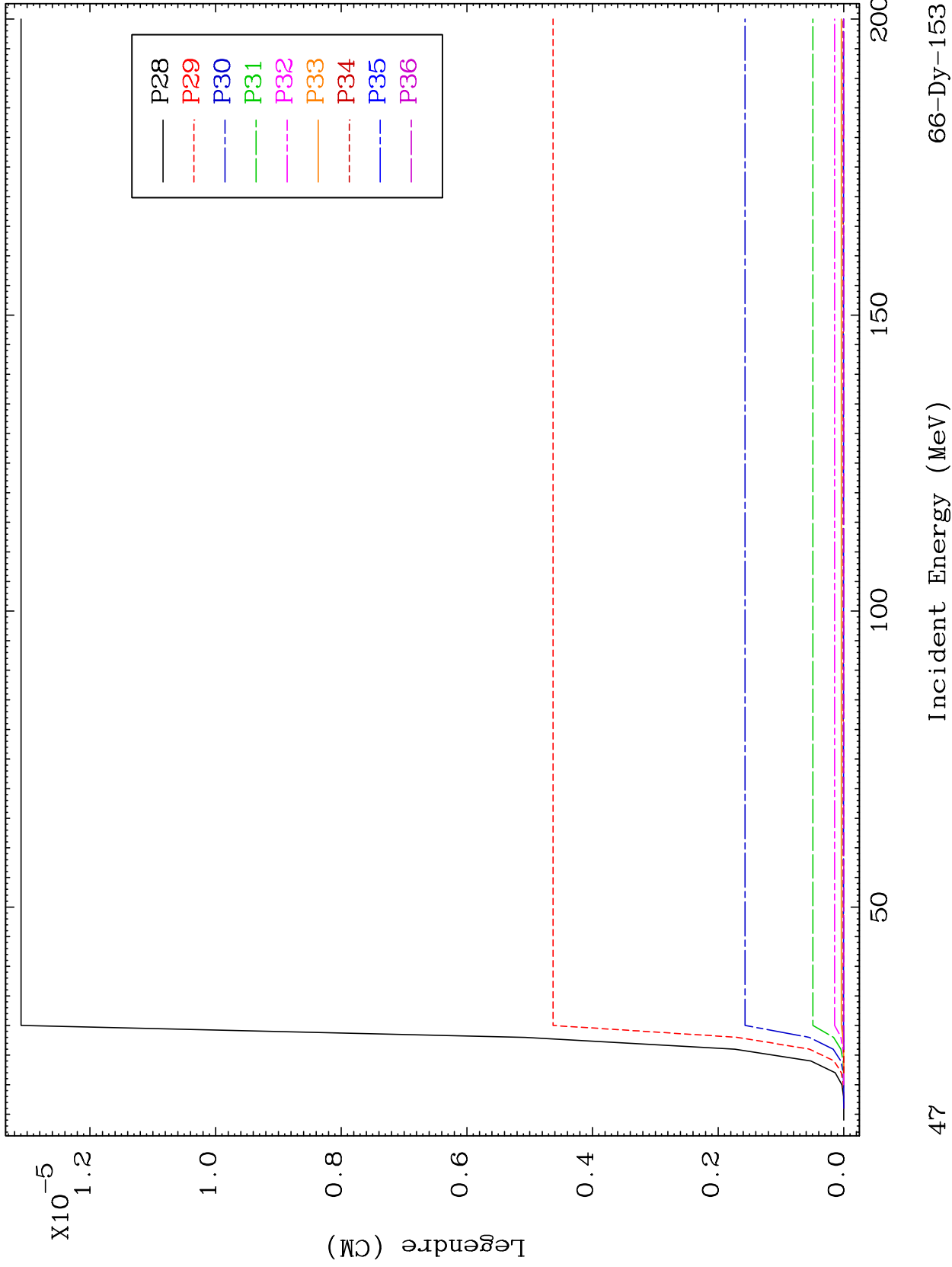
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



47

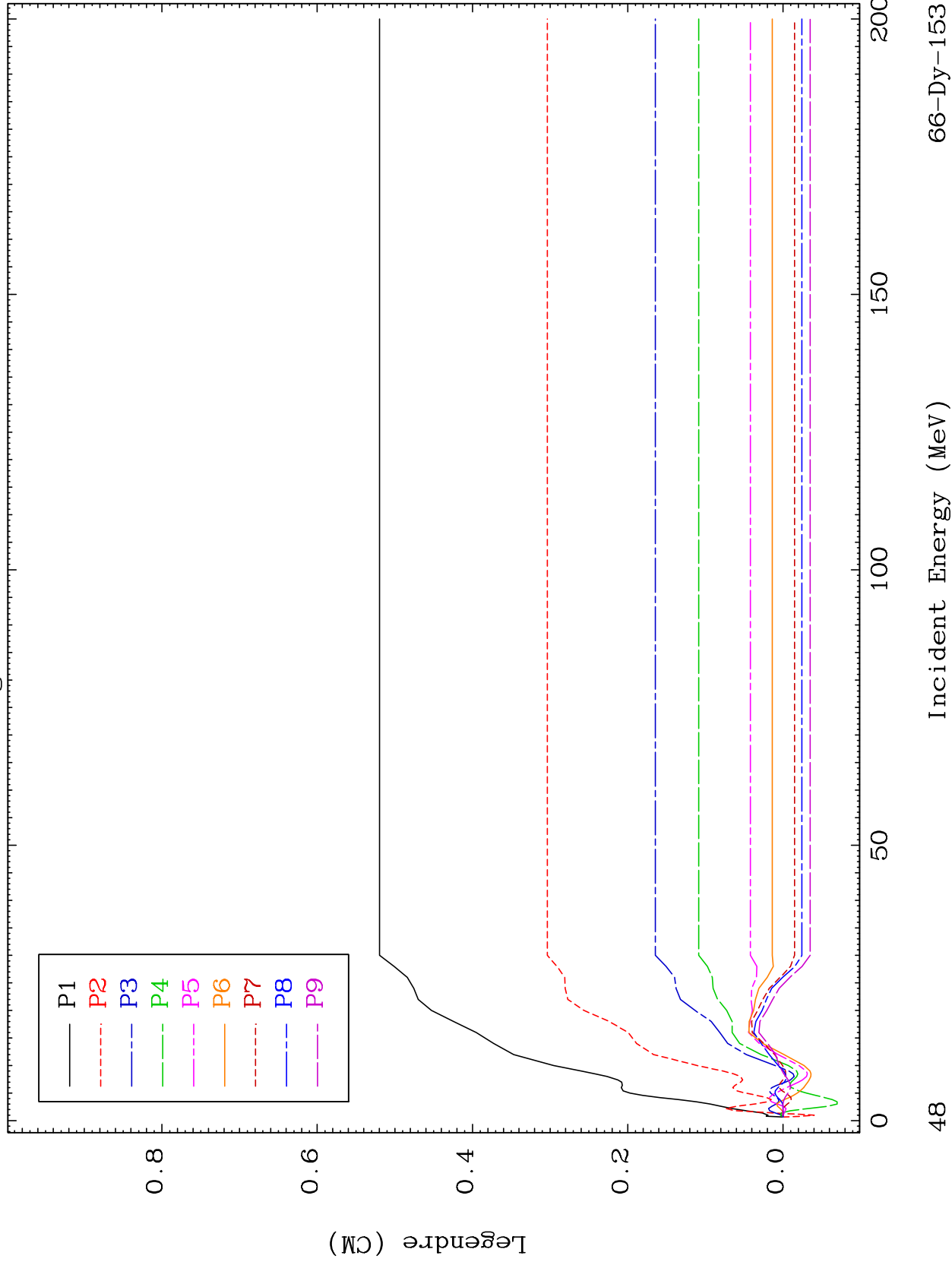
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

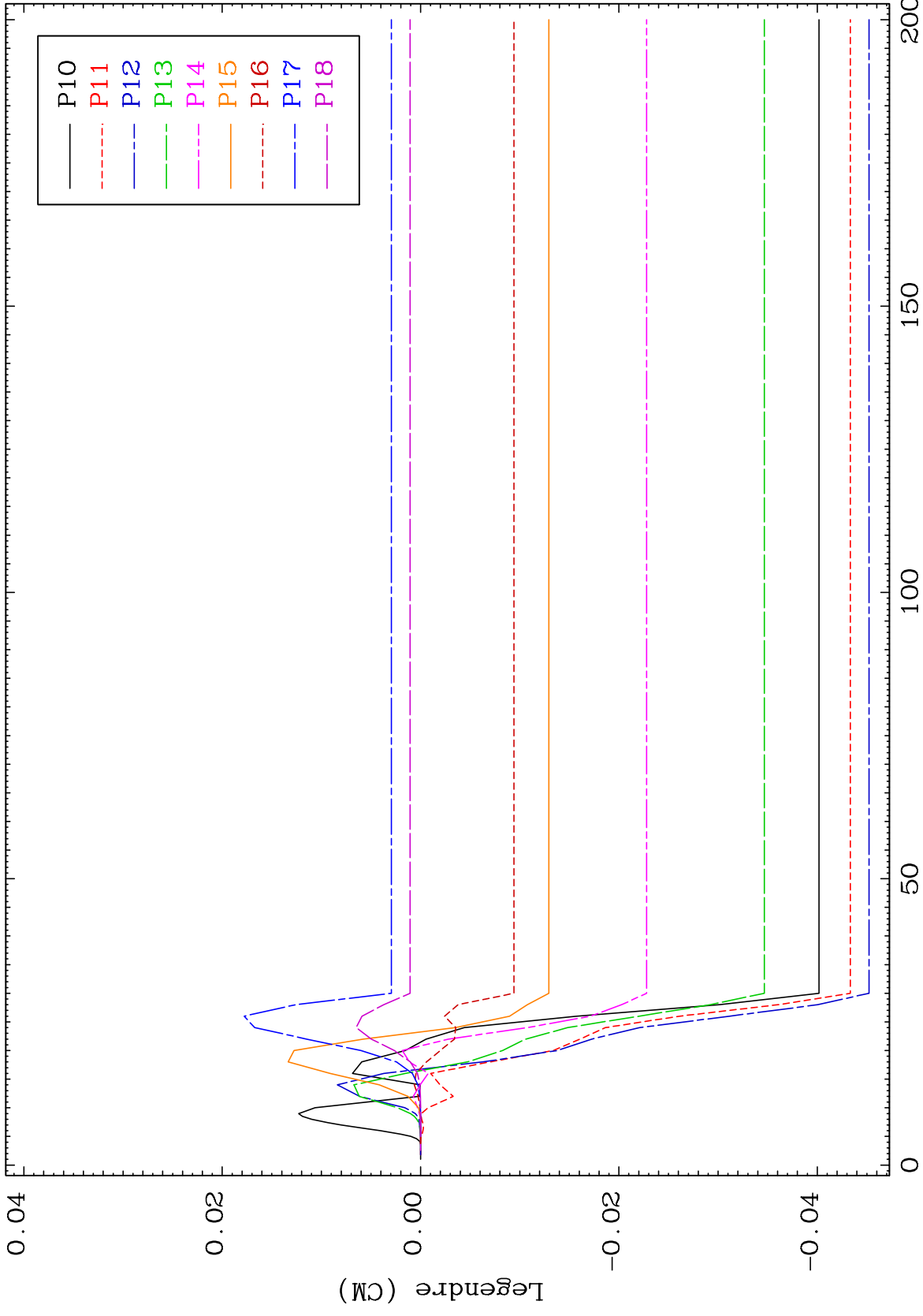
Incident Energy (MeV)

48

MAT 6616

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

66-Dy-153



49

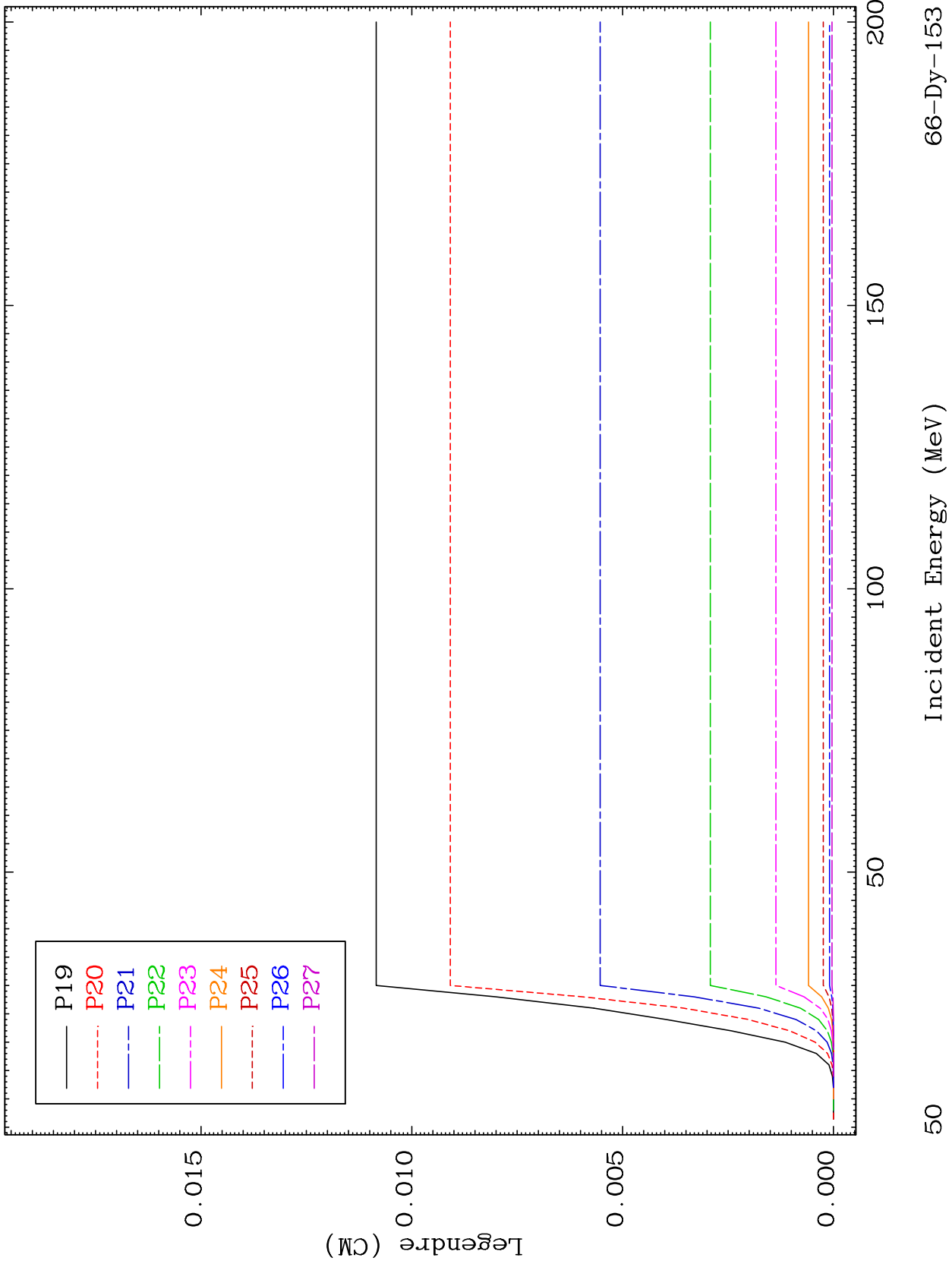
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

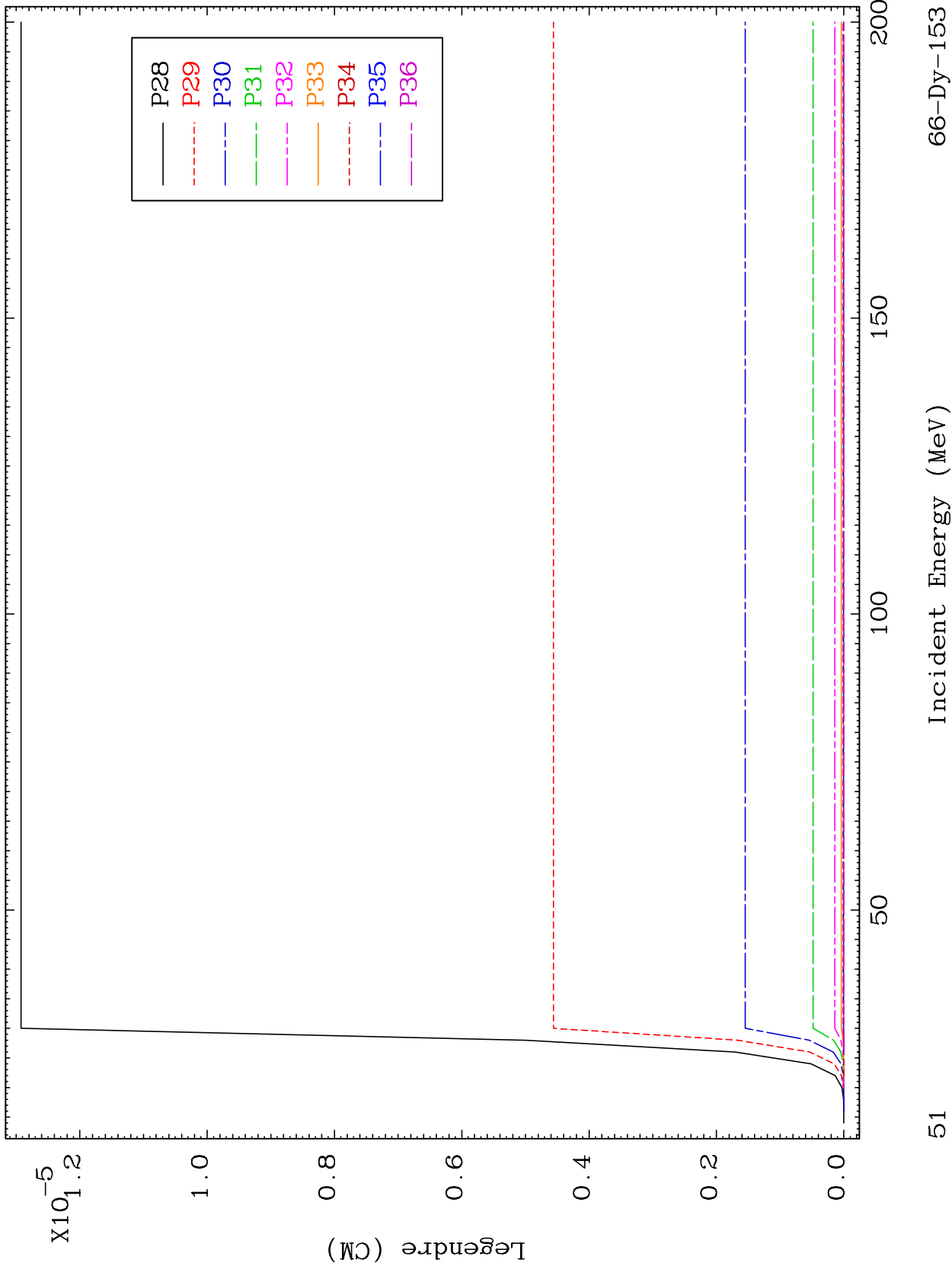
Incident Energy (MeV)

50

MAT 6616

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

66-Dy-153



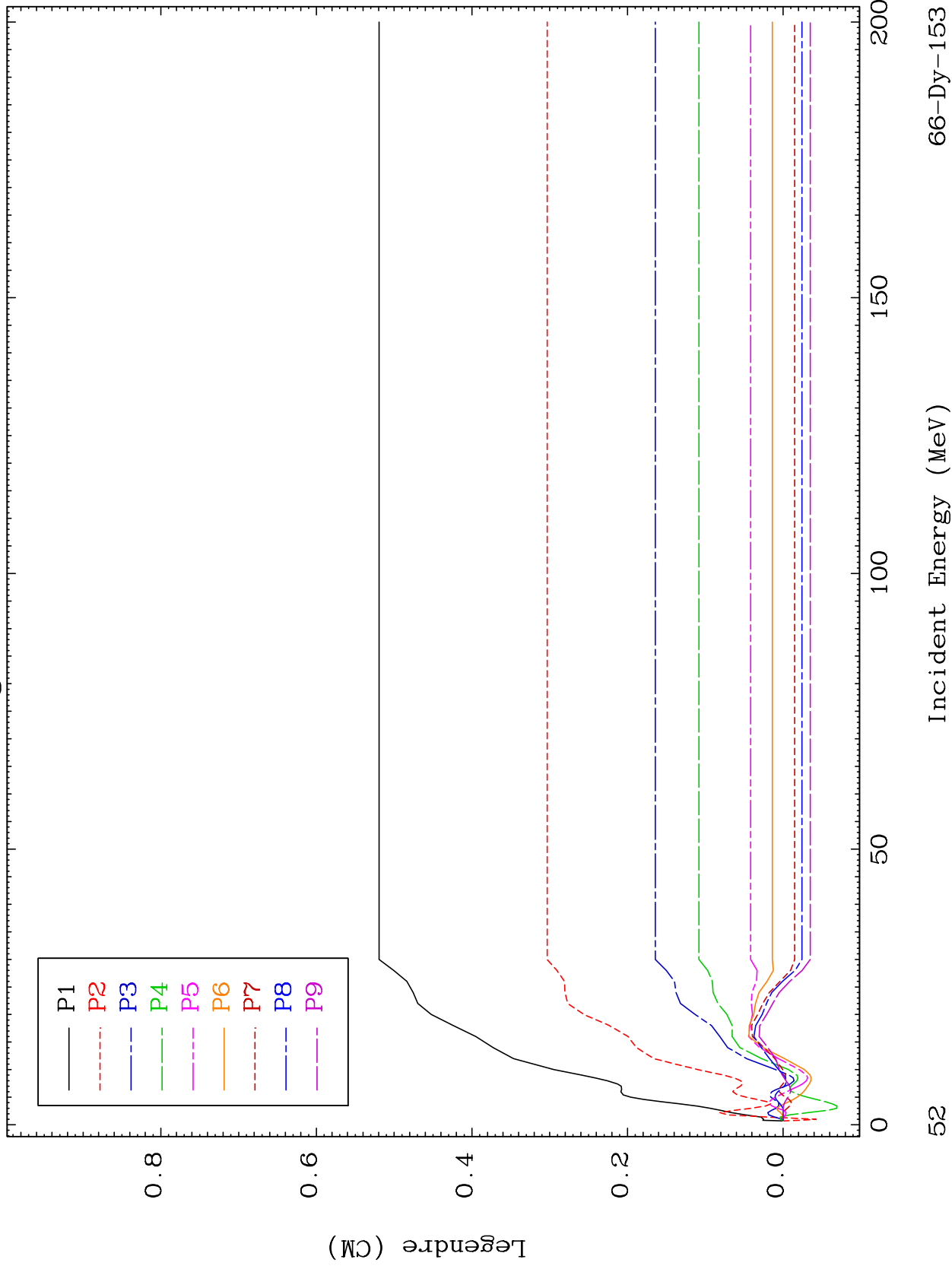
51

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

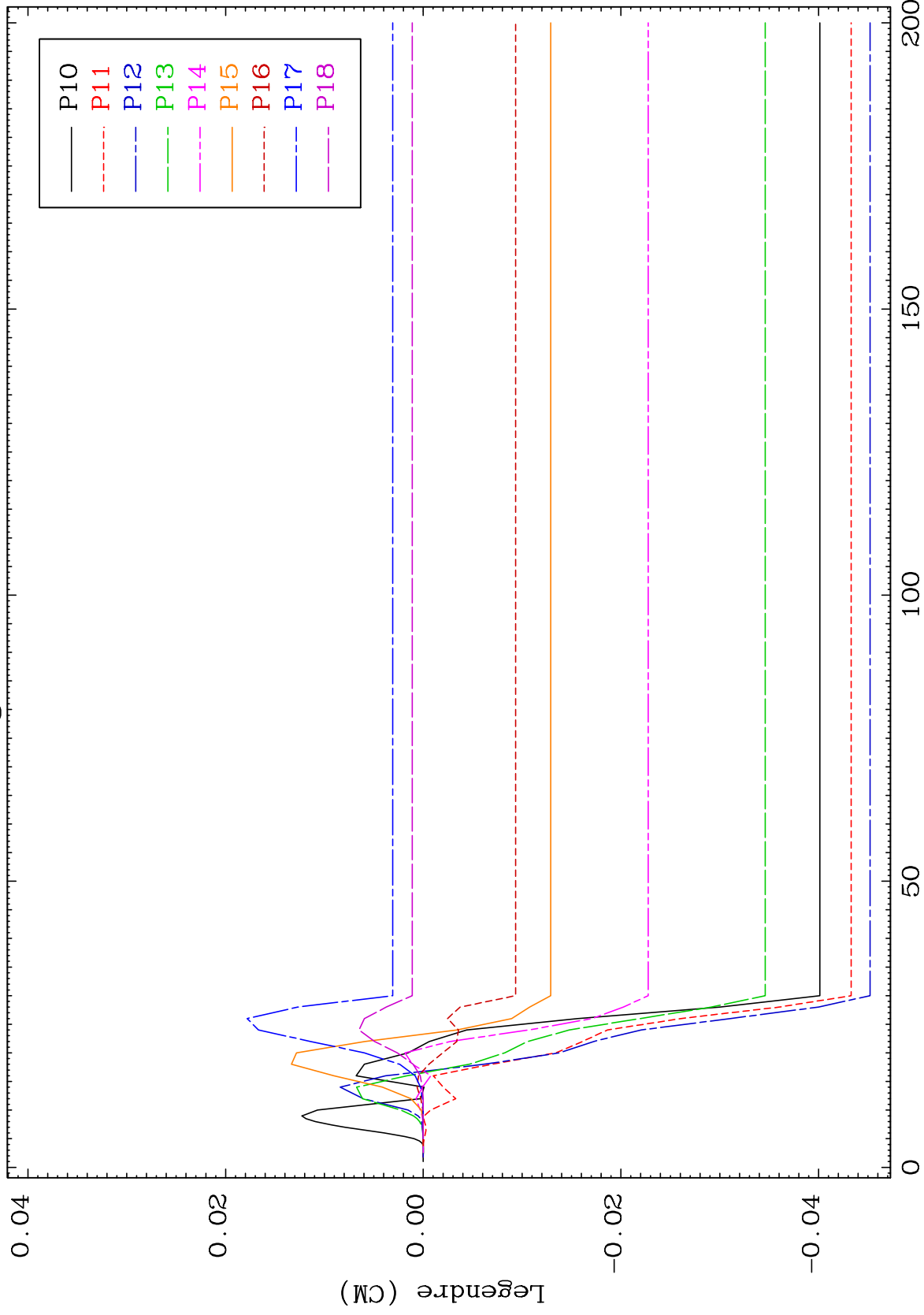
Incident Energy (MeV)

52

MAT 6616

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

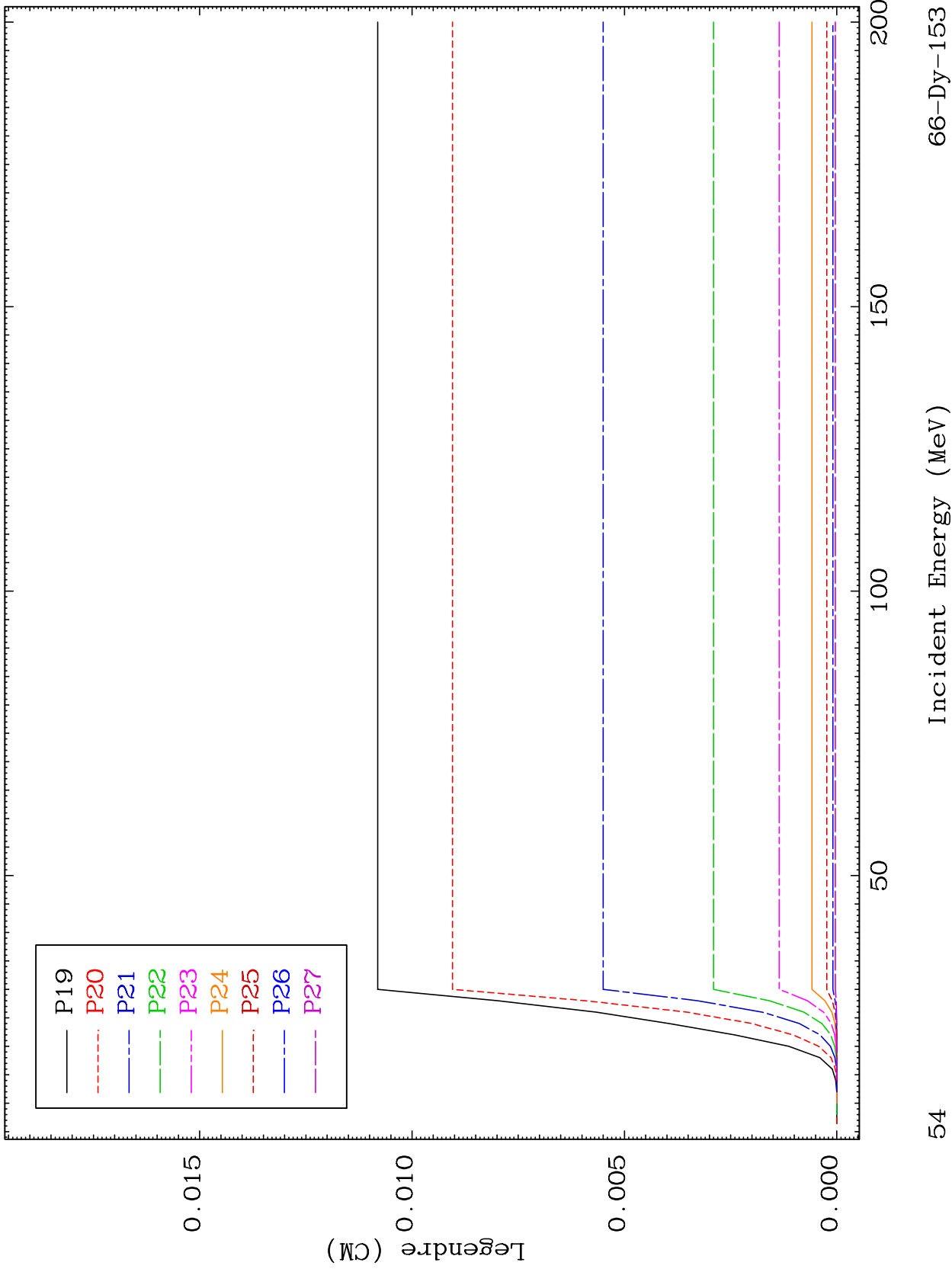
66-Dy-153



53

Incident Energy (MeV)

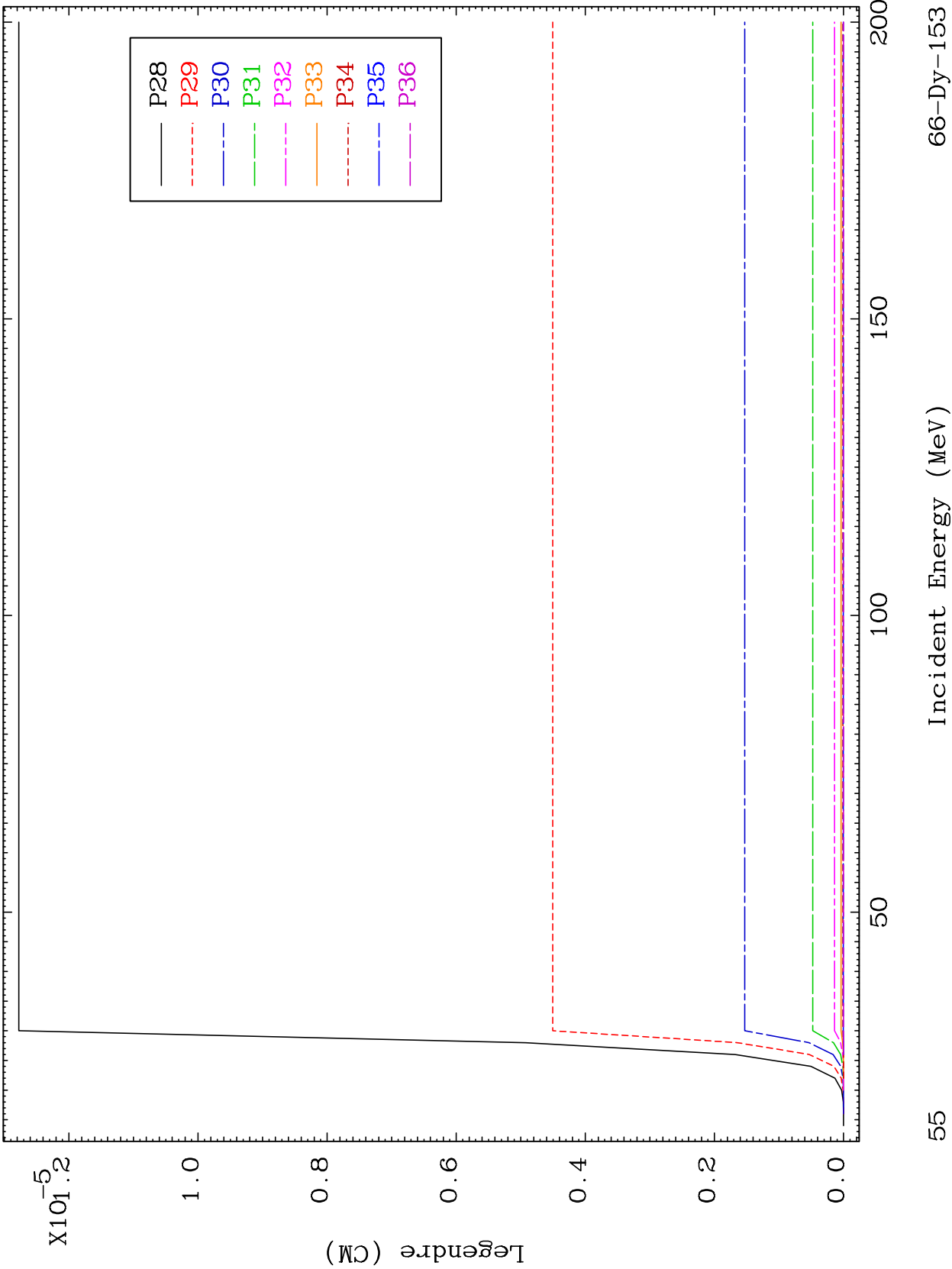
66-Dy-153



MAT 6616

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

66-Dy-153



55

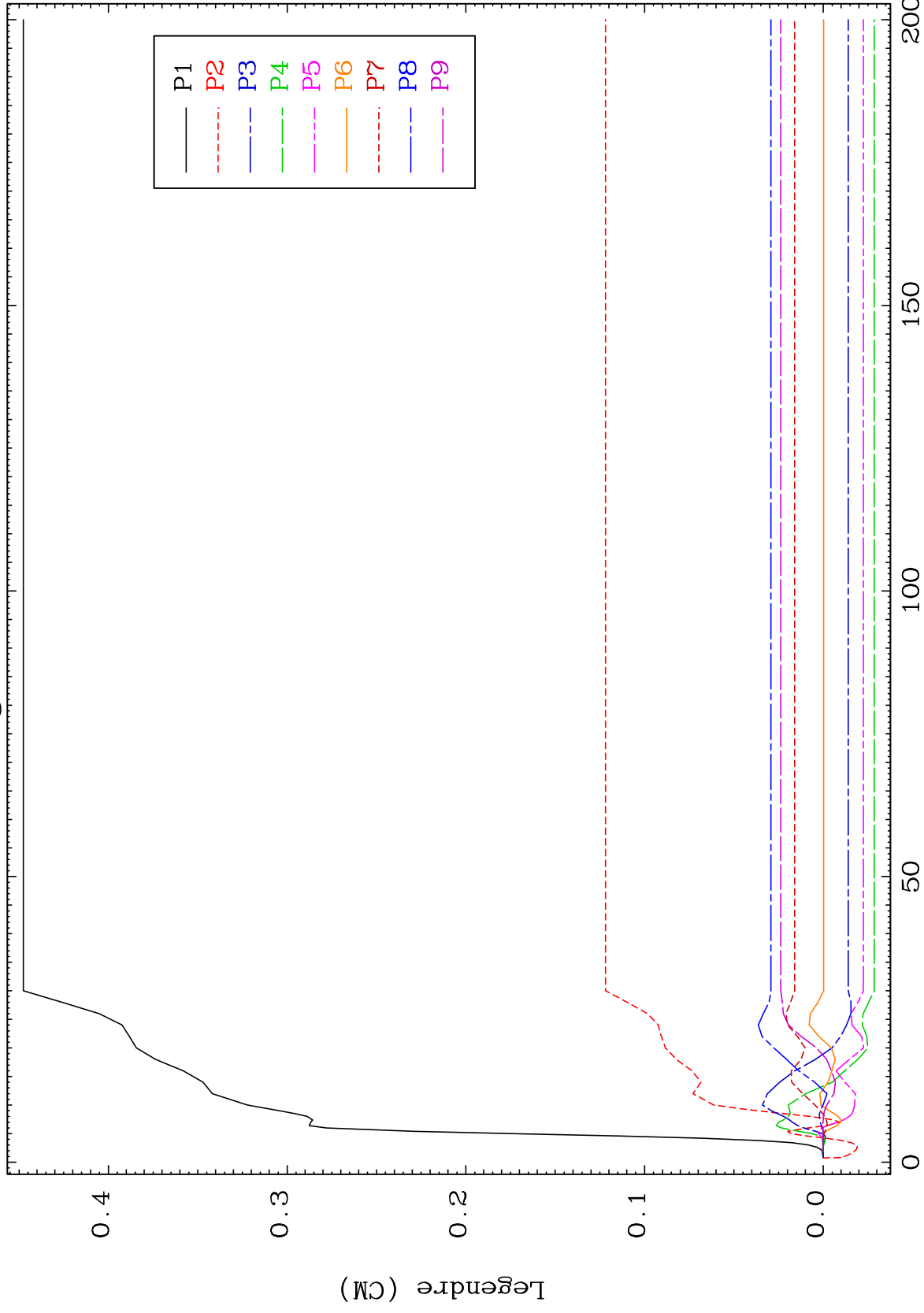
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



56

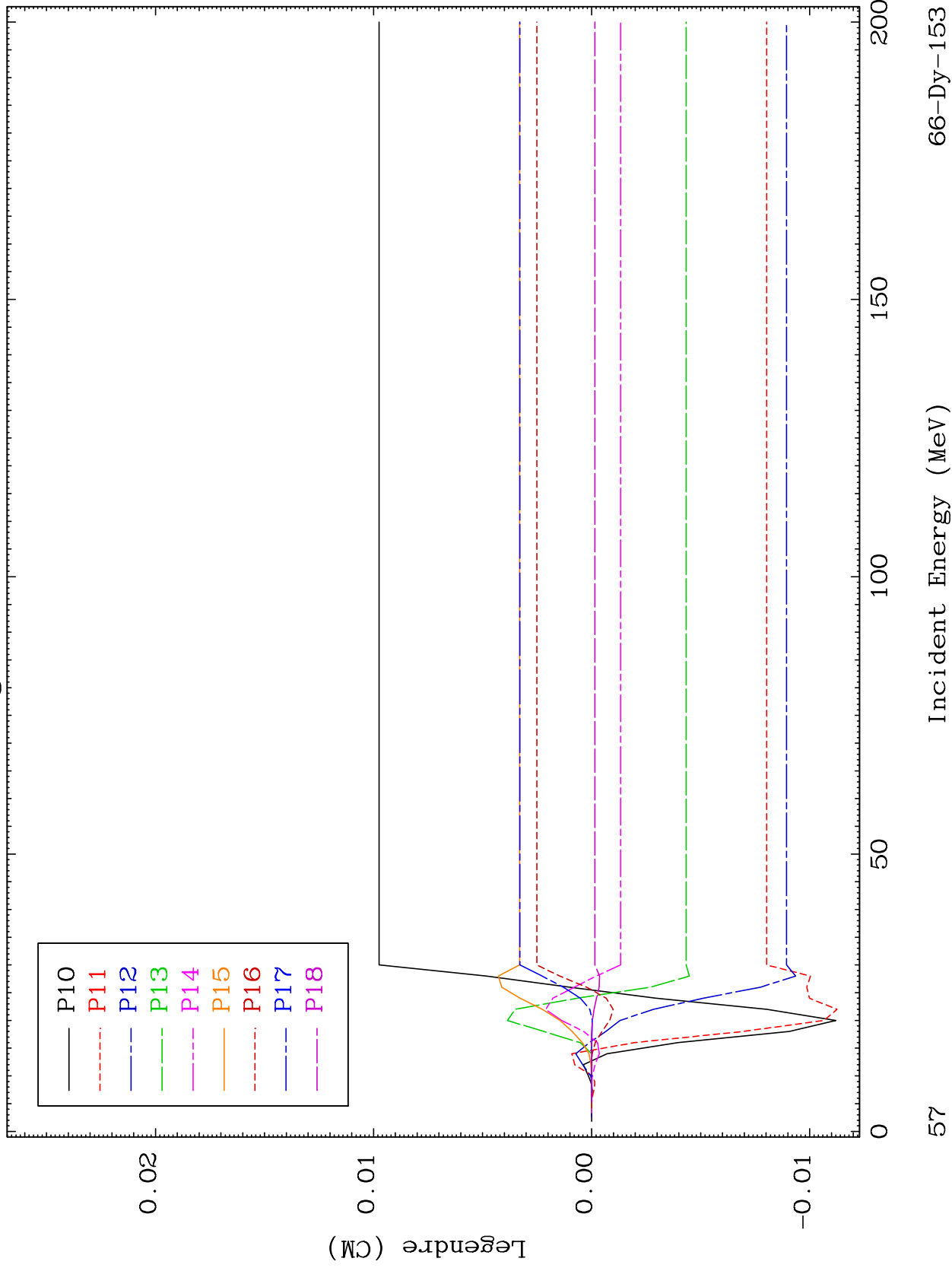
Incident Energy (MeV)

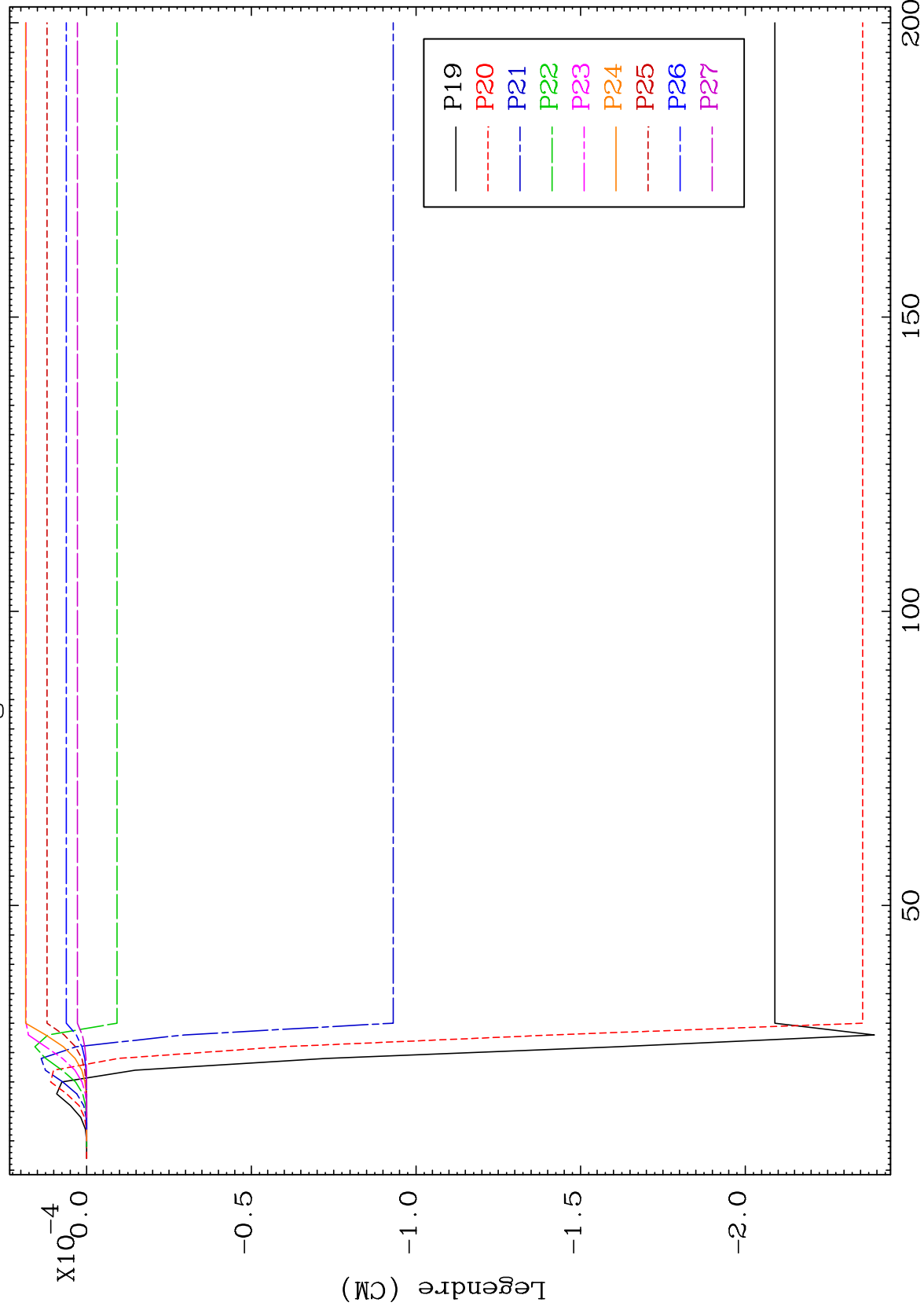
66-Dy-153

MAT 6616

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

66-Dy-153

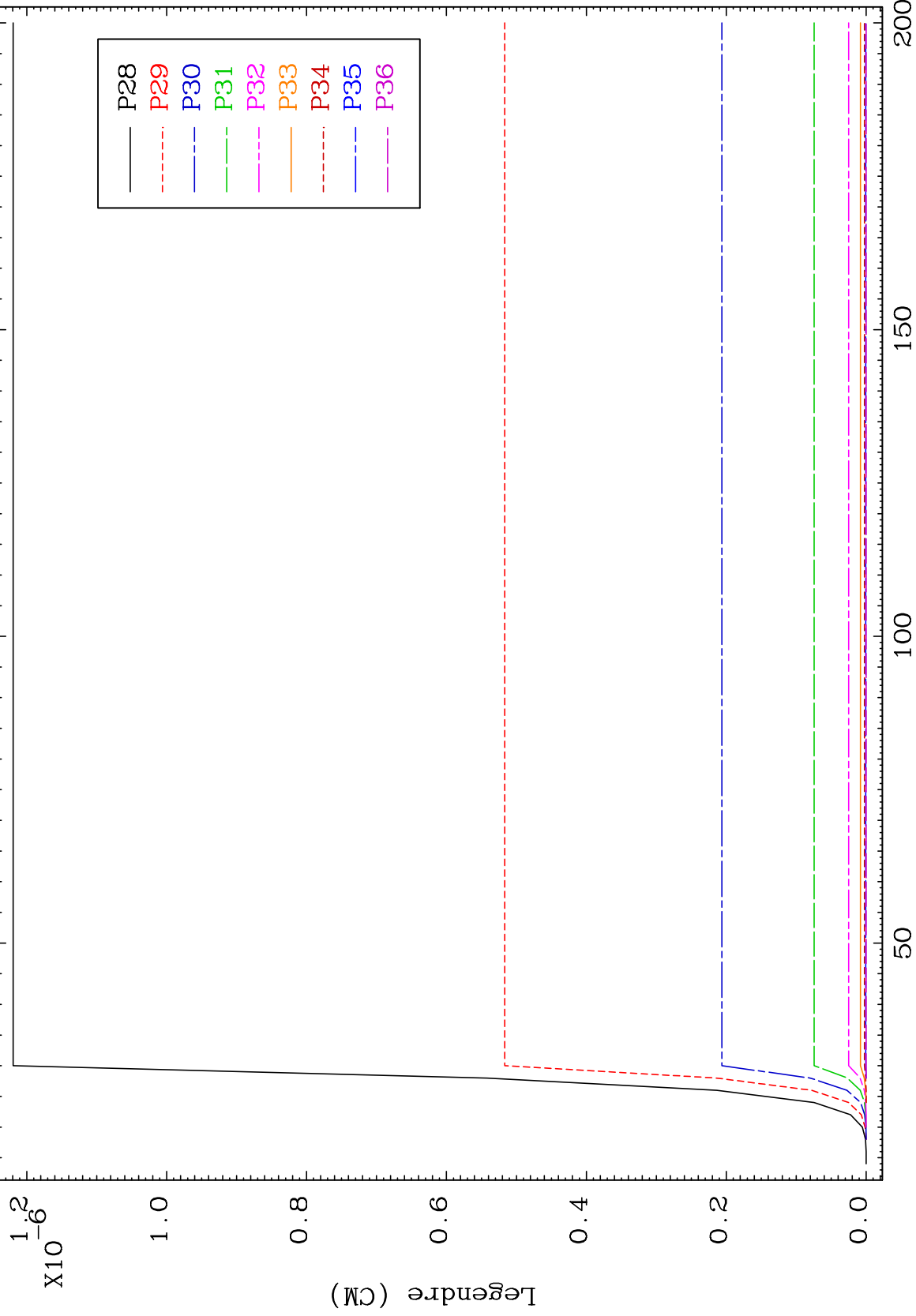




MAT 6616

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

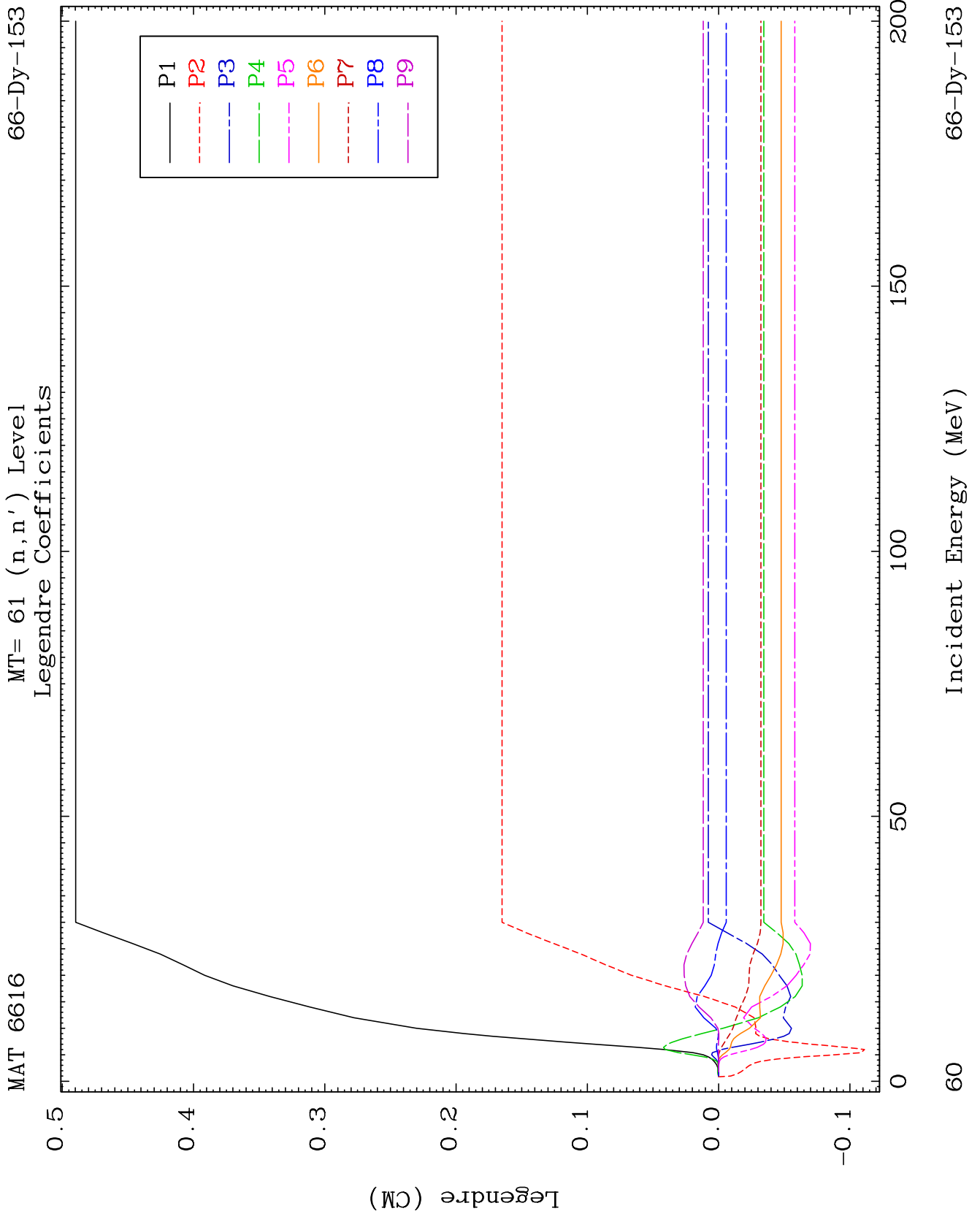
66-Dy-153



59

Incident Energy (MeV)

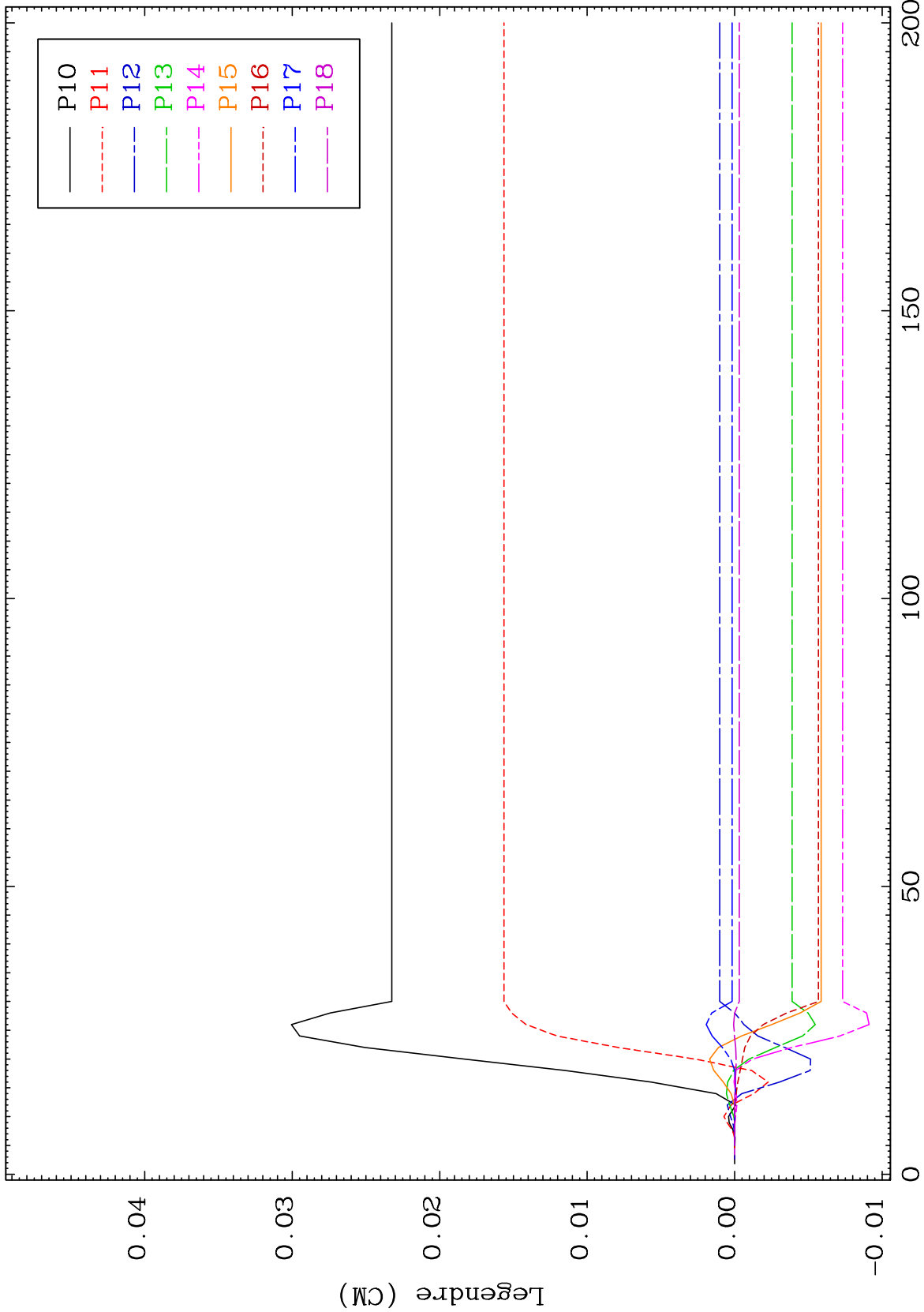
66-Dy-153



MAT 6616

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

66-Dy-153



61

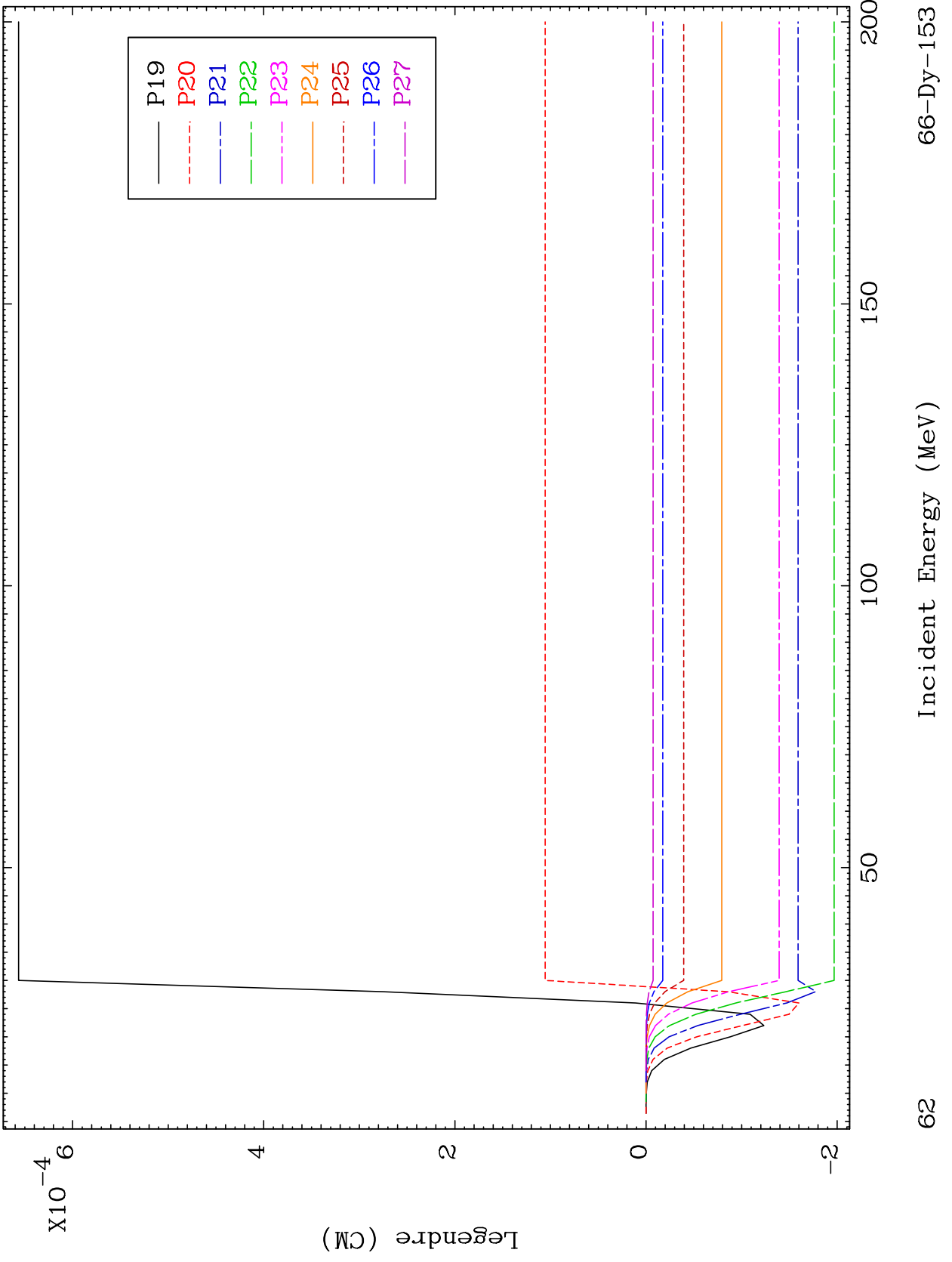
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

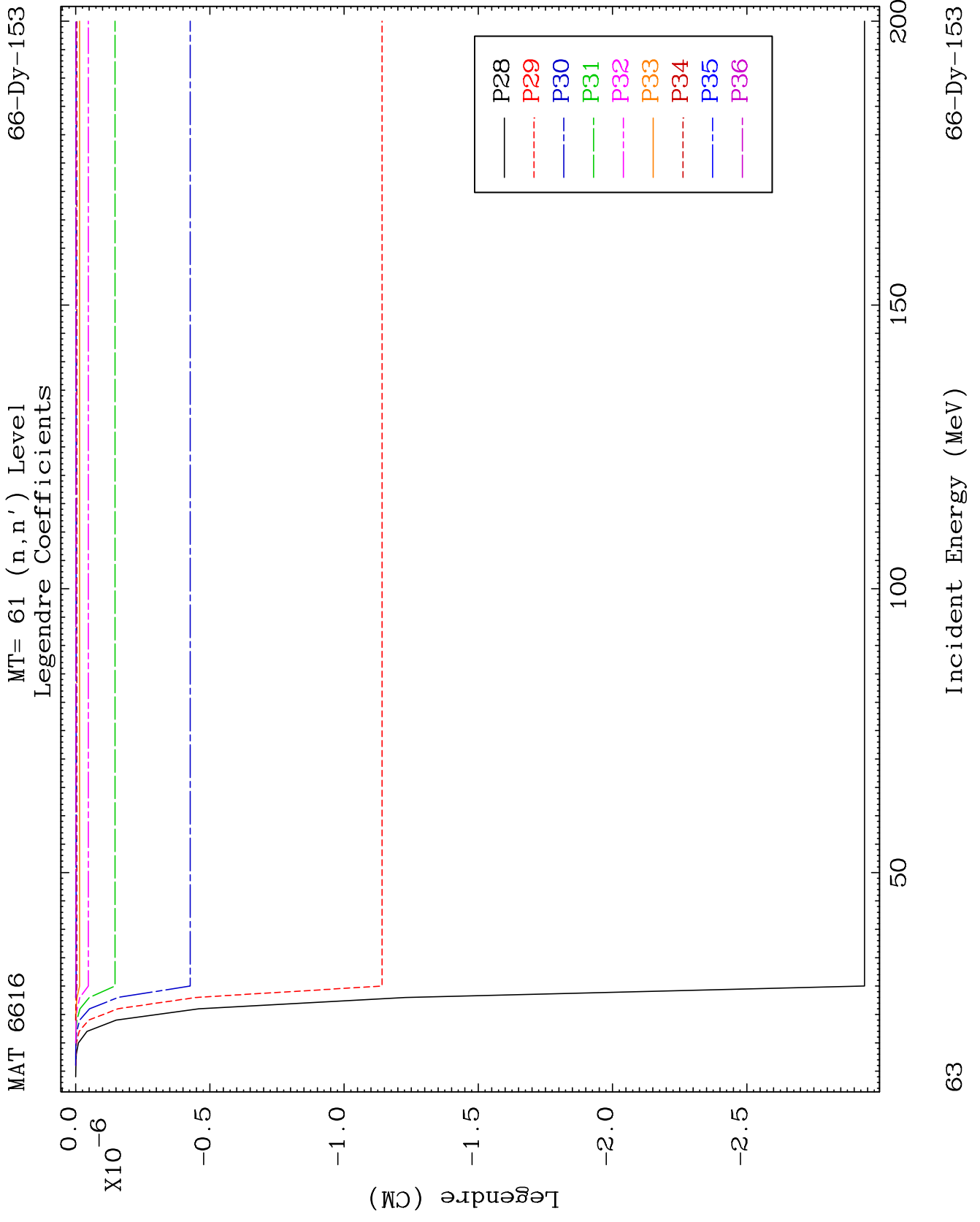
66-Dy-153



62

Incident Energy (MeV)

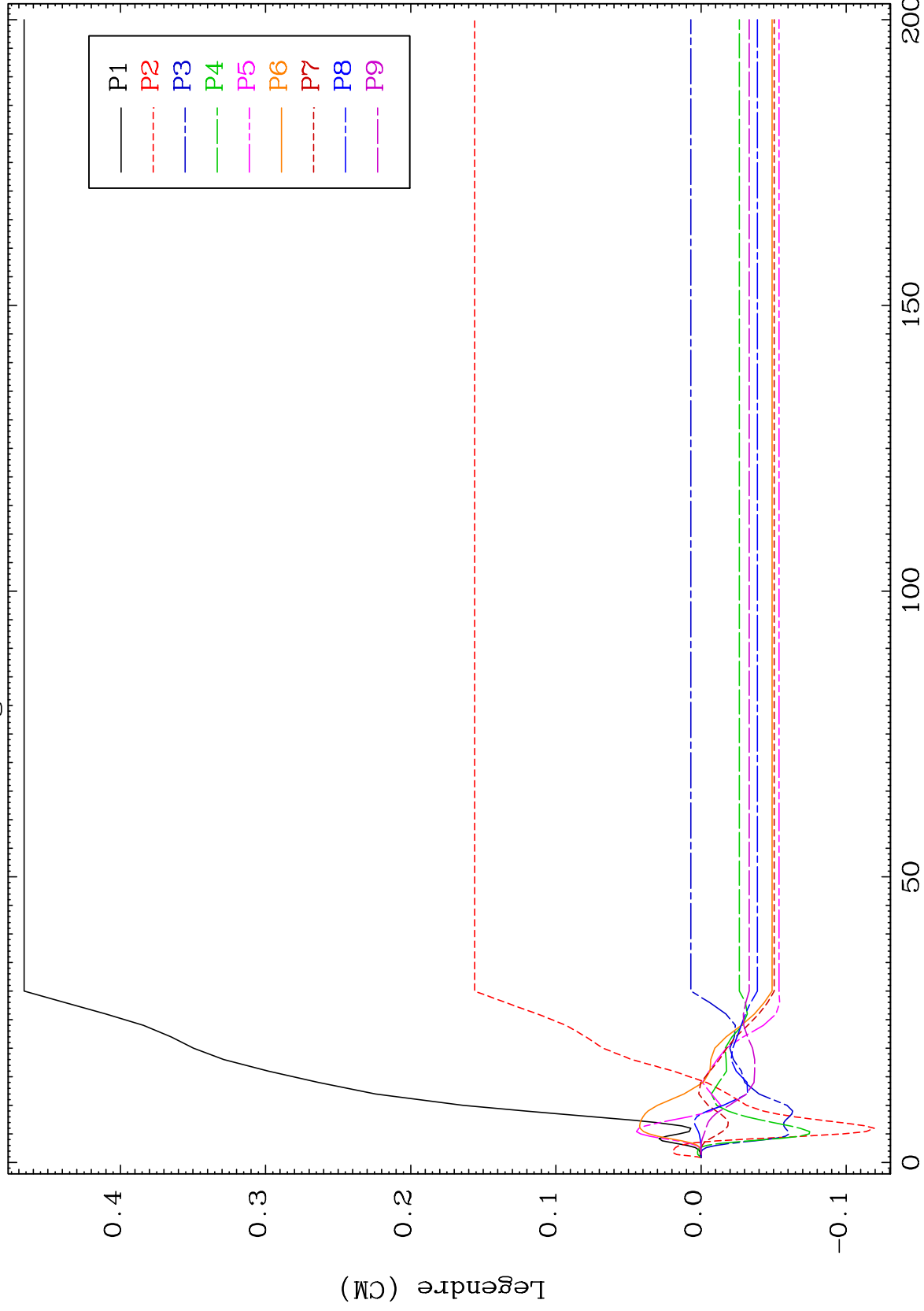
66-Dy-153



MAT 6616

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

66-Dy-153



64

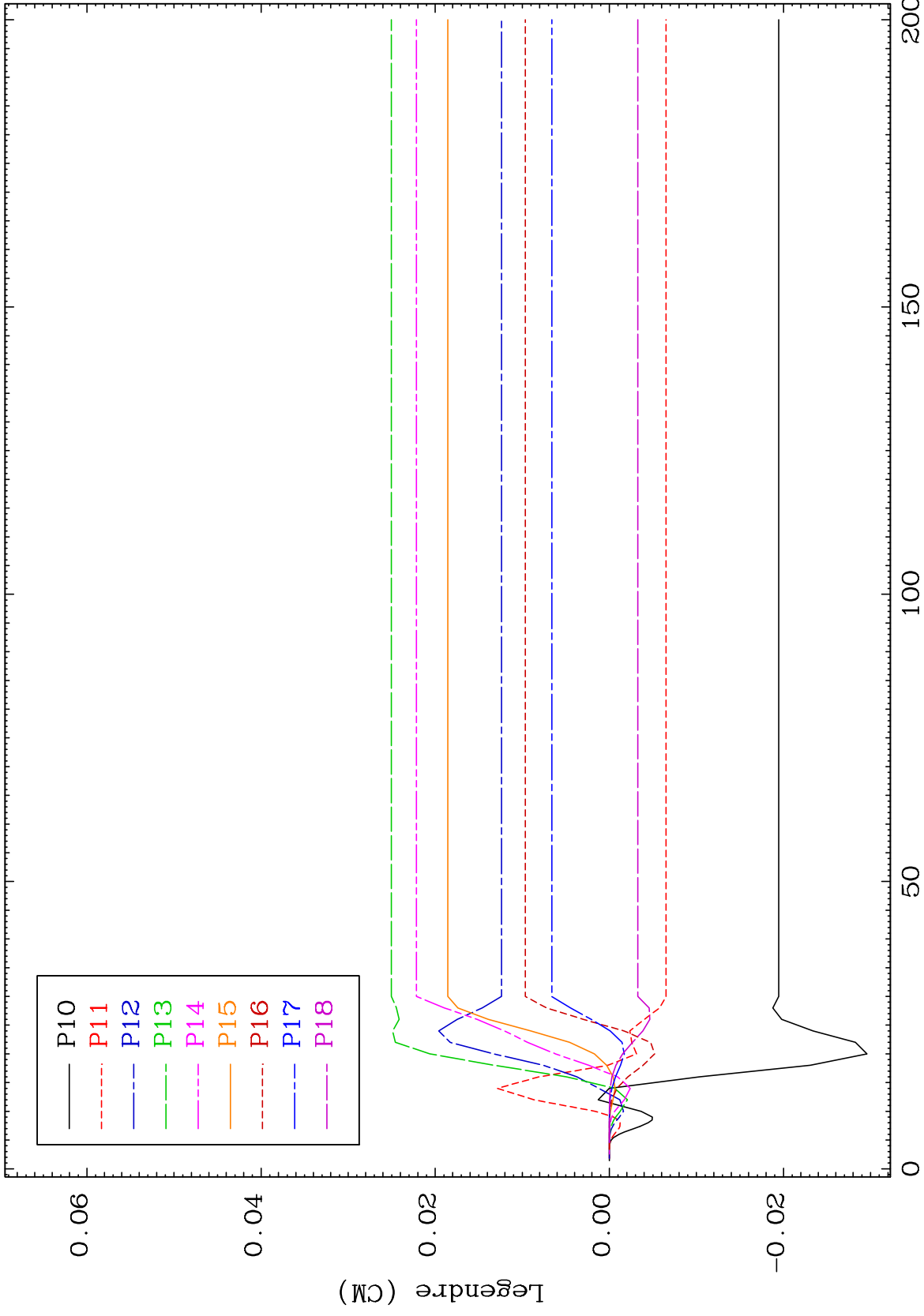
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



65

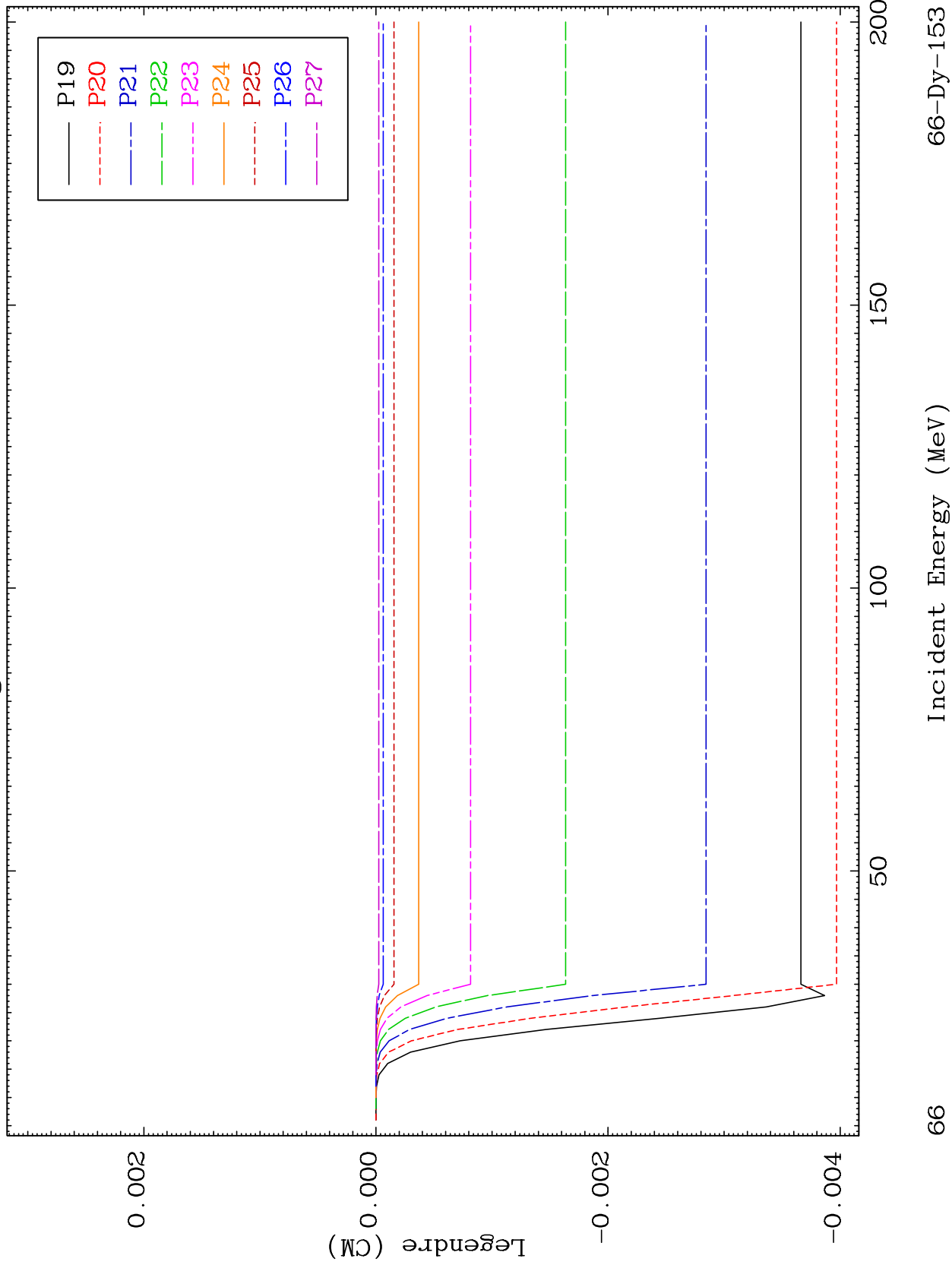
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

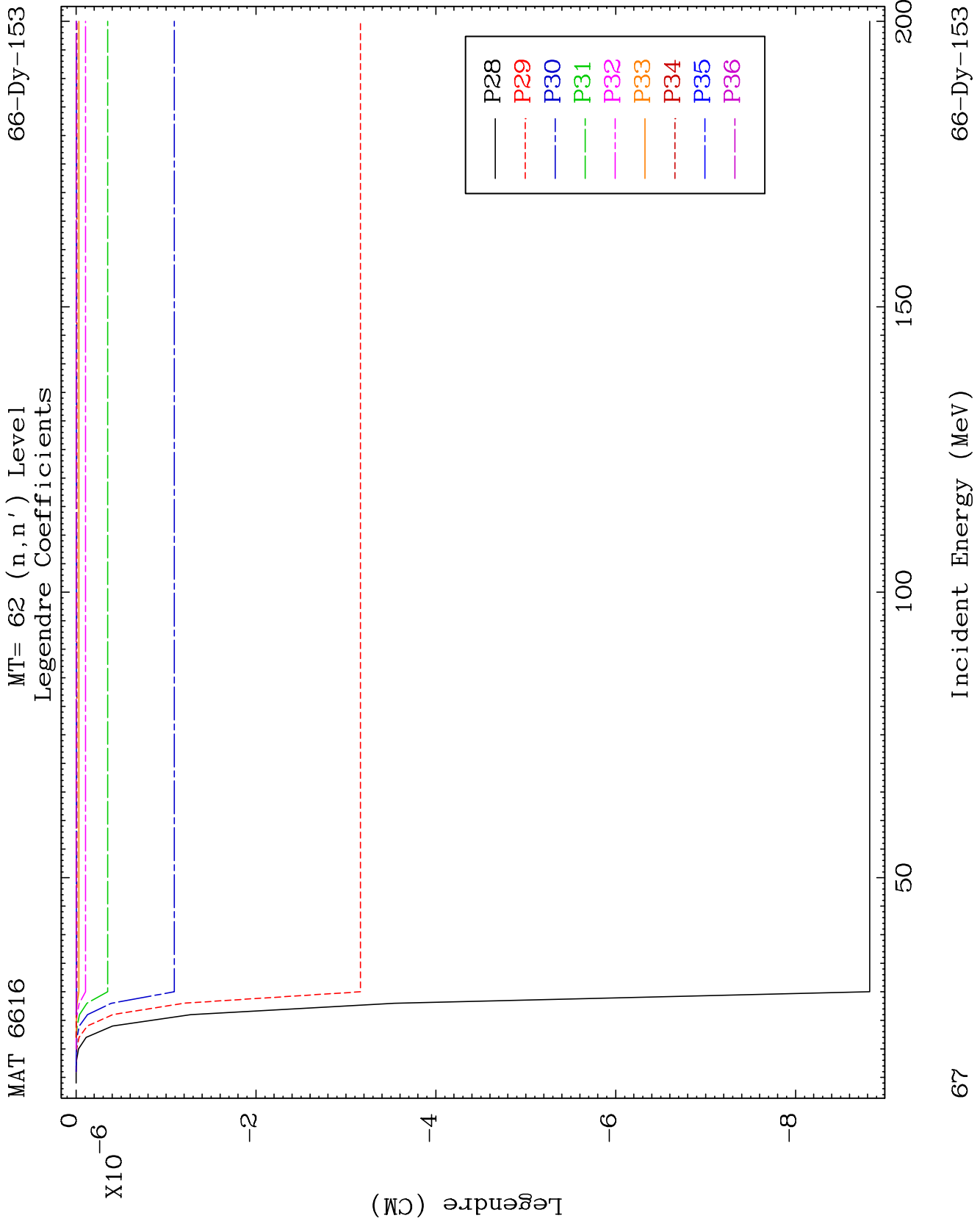
66-Dy-153



66

Incident Energy (MeV)

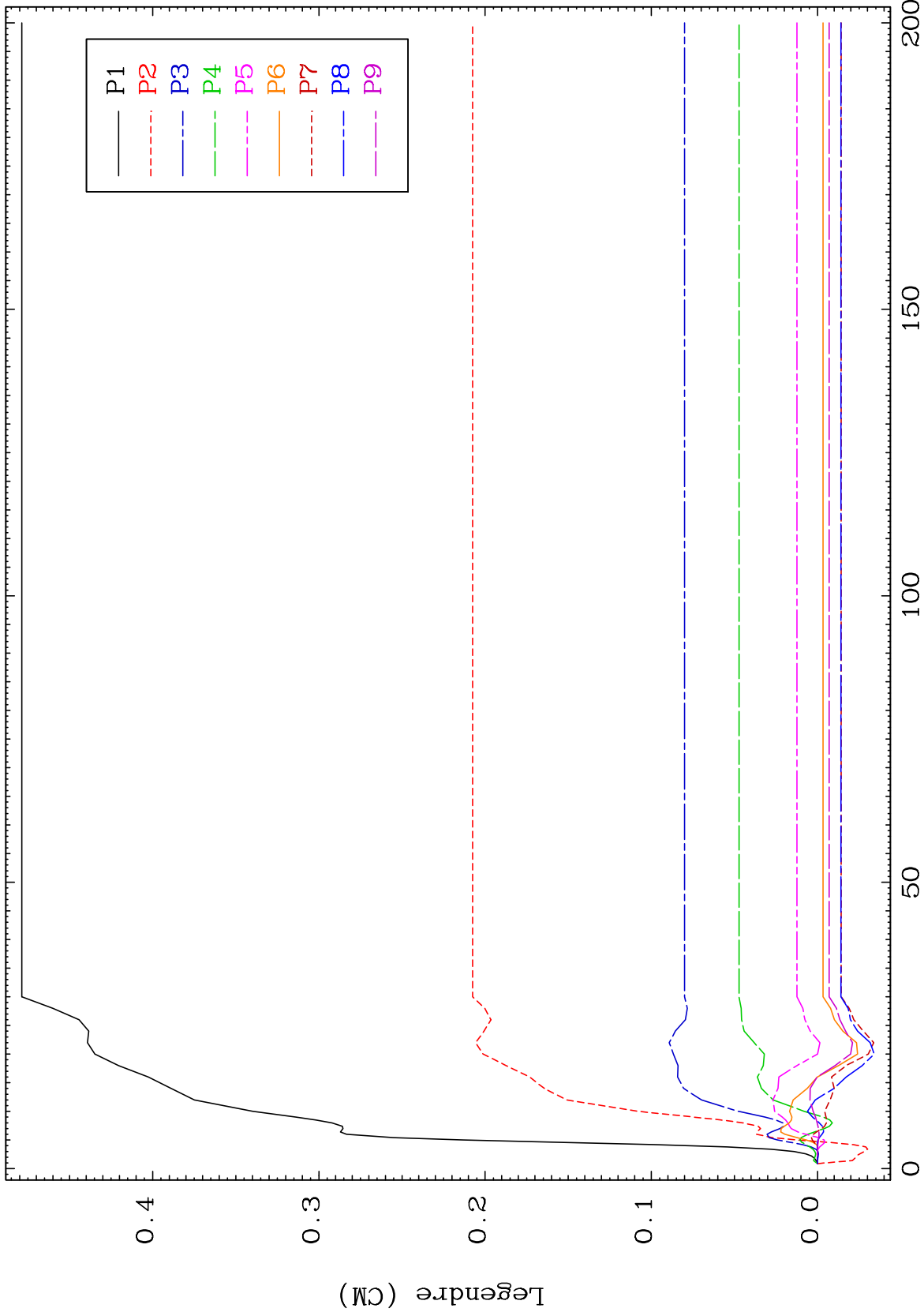
66-Dy-153



MAT 6616

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

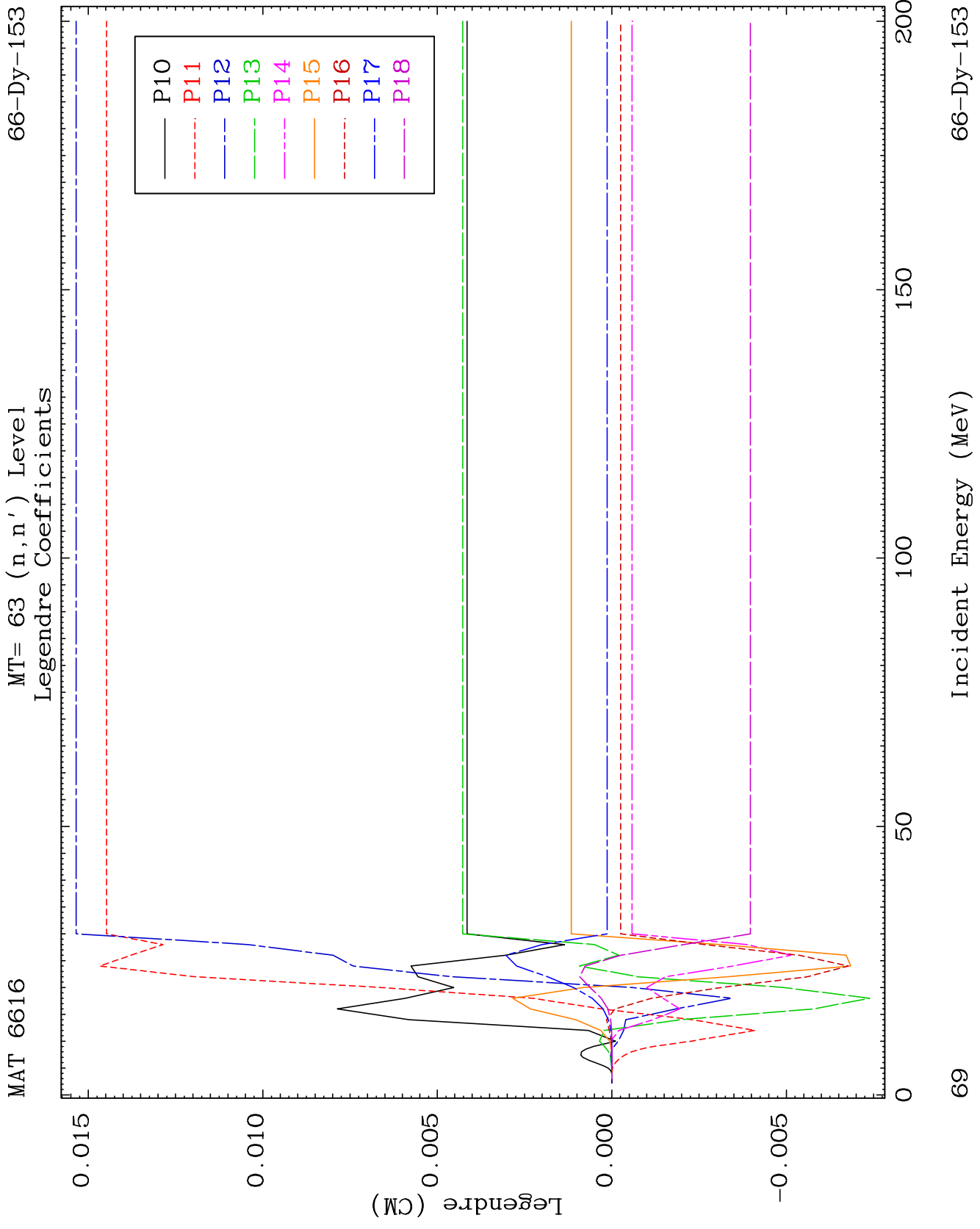
66-Dy-153



68

Incident Energy (MeV)

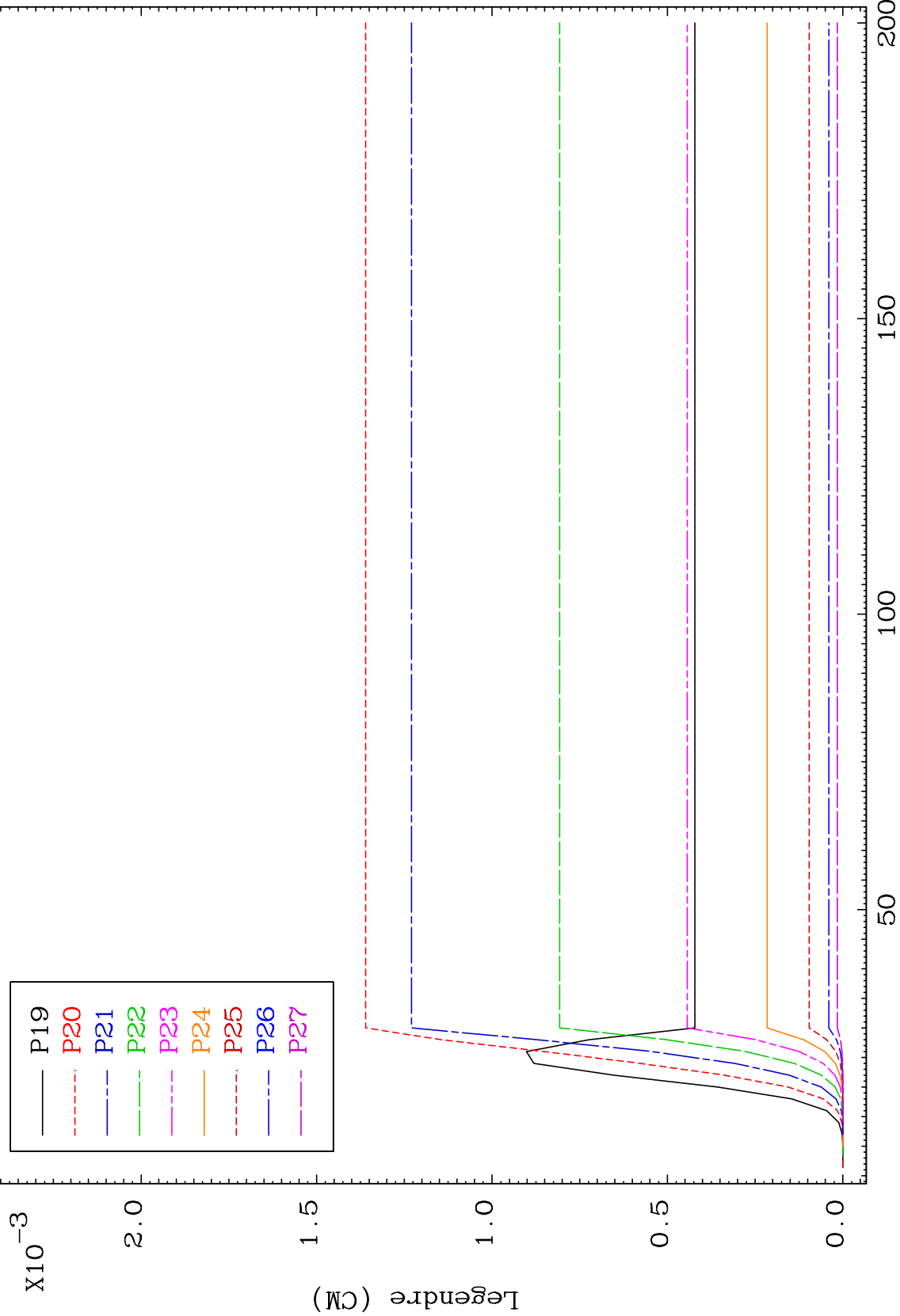
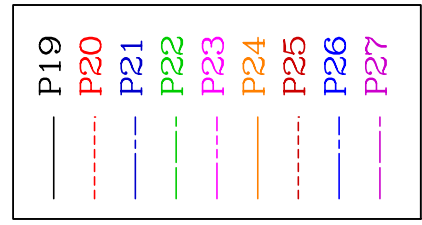
66-Dy-153



MAT 6616

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

66-Dy-153



70

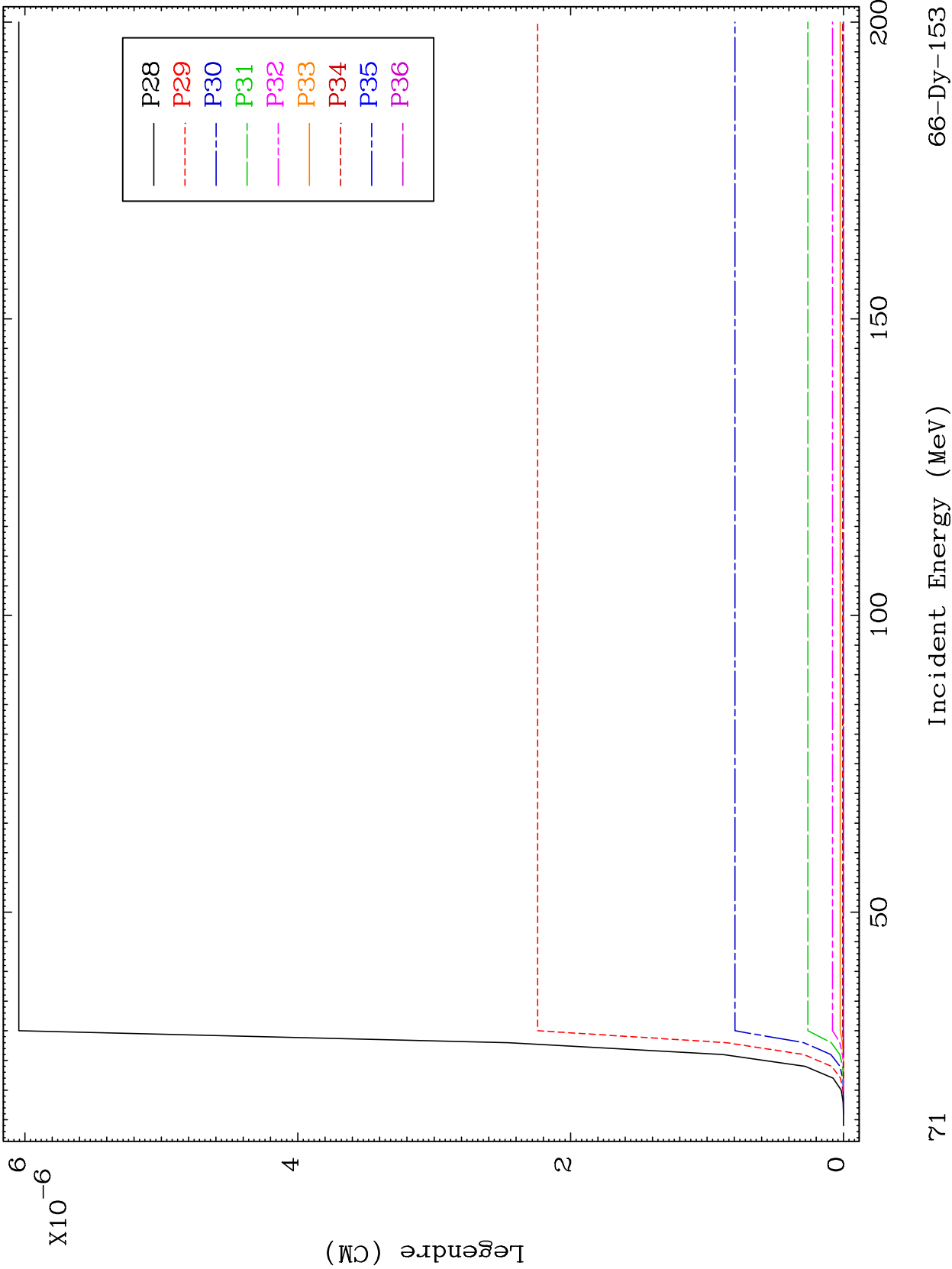
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



71

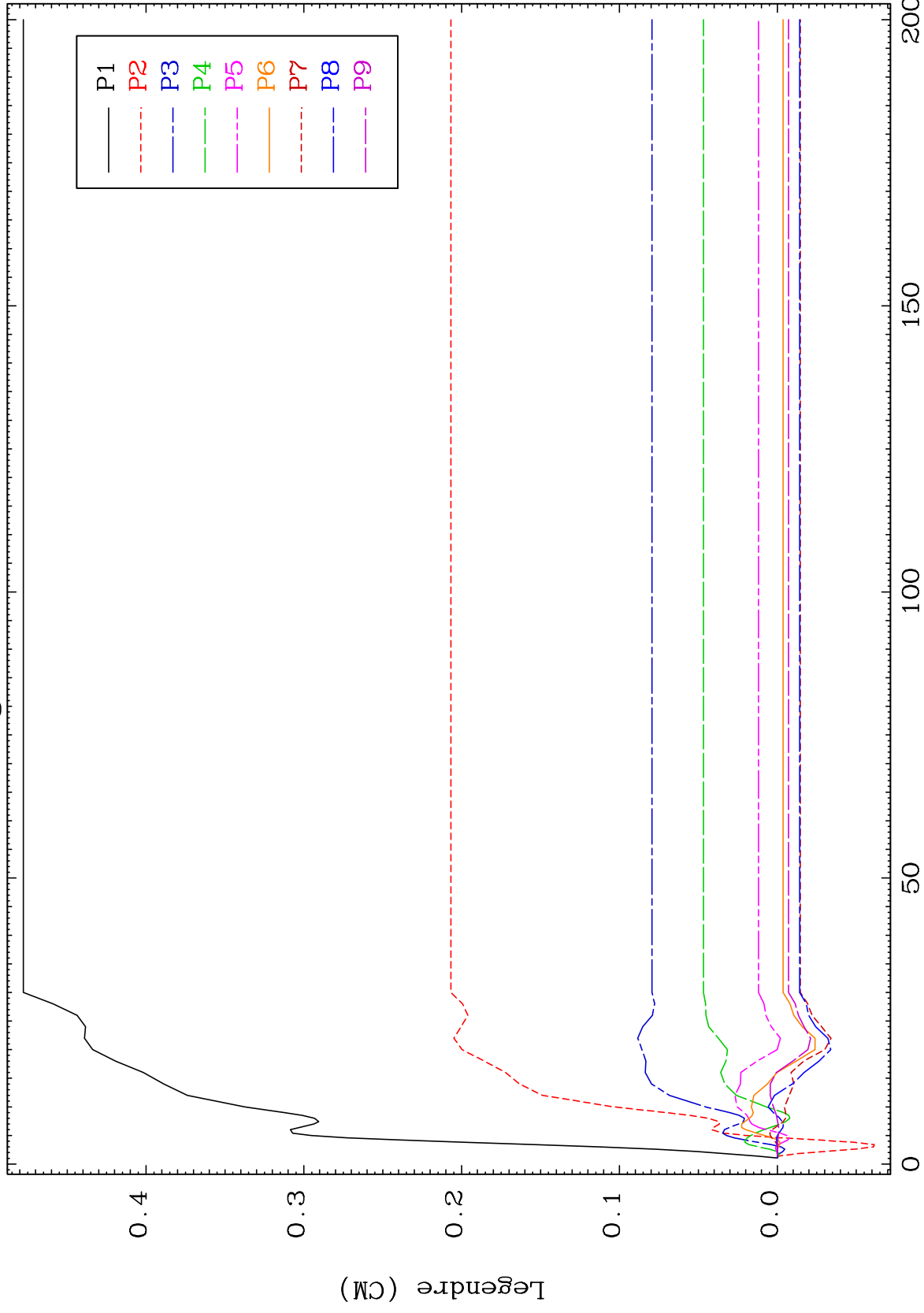
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

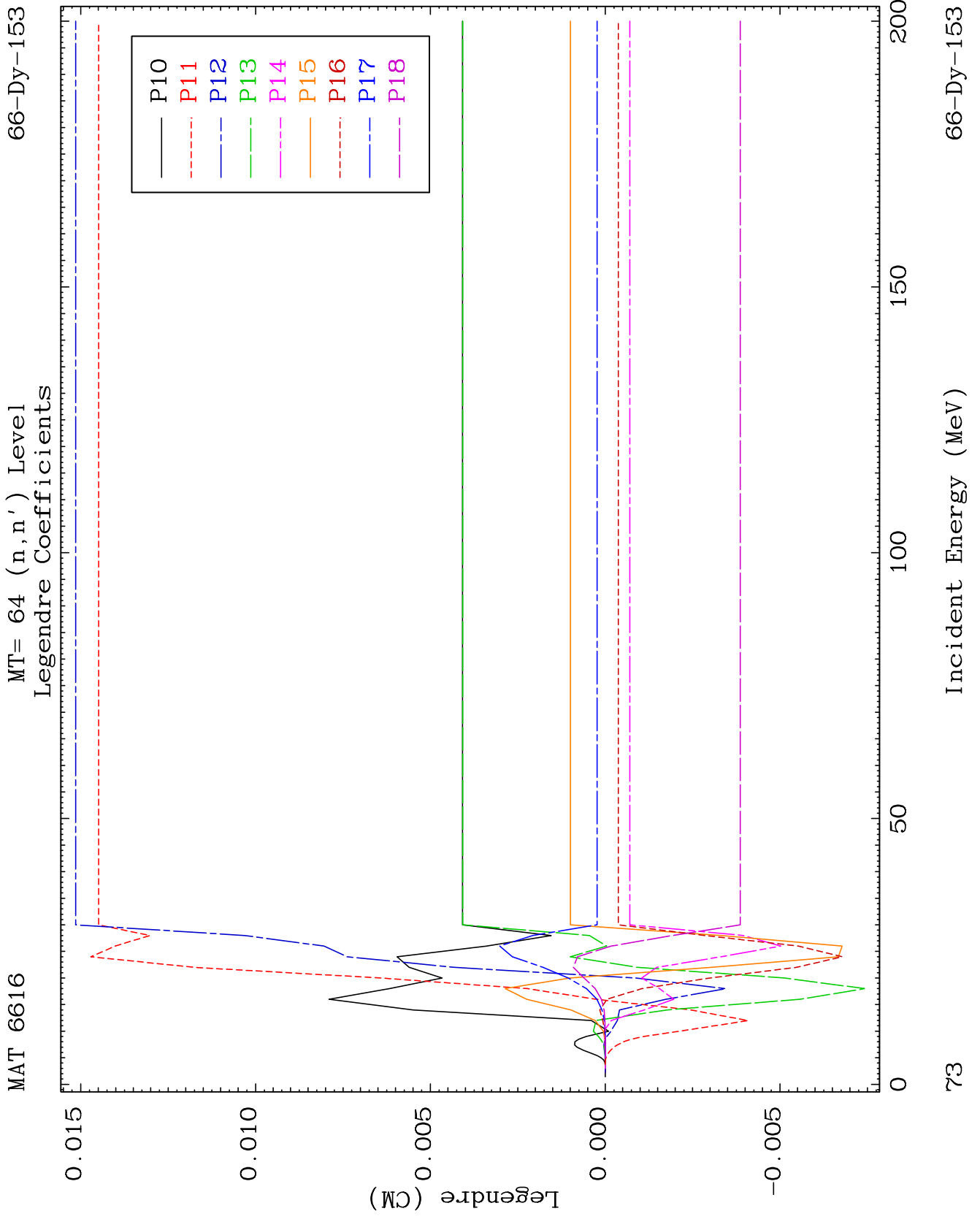
66-Dy-153



72

Incident Energy (MeV)

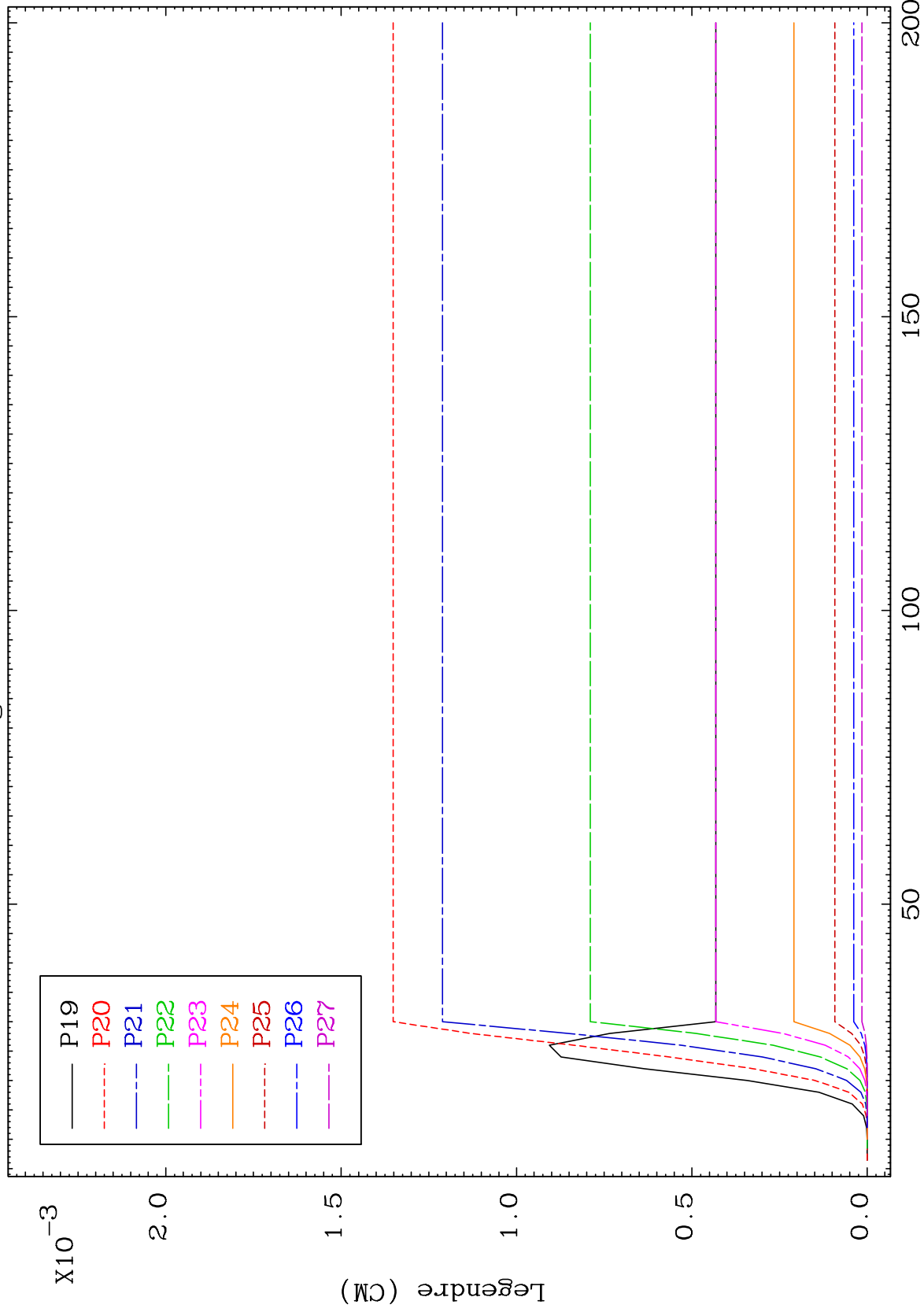
66-Dy-153



MAT 6616

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

66-Dy-153



74

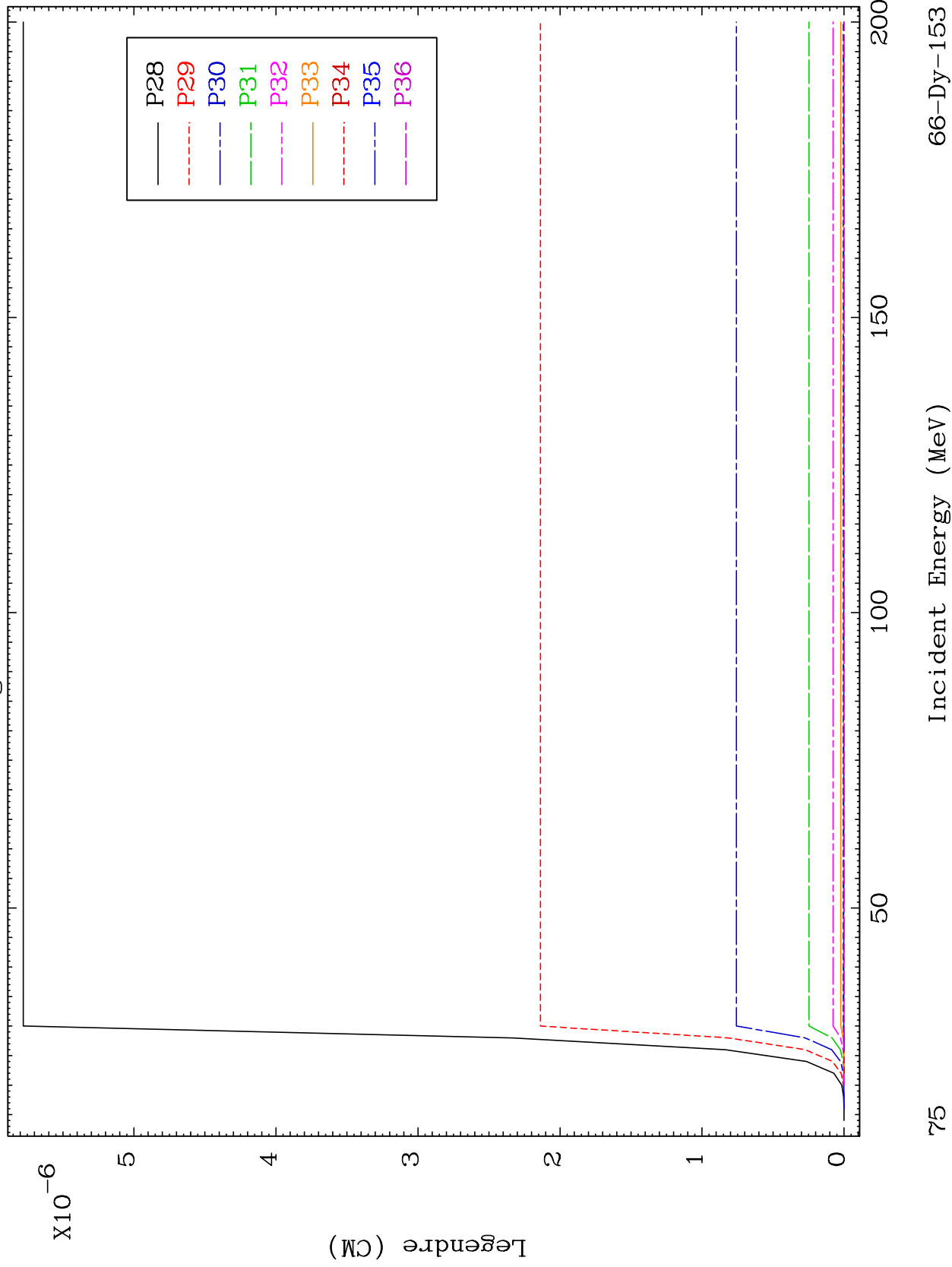
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



75

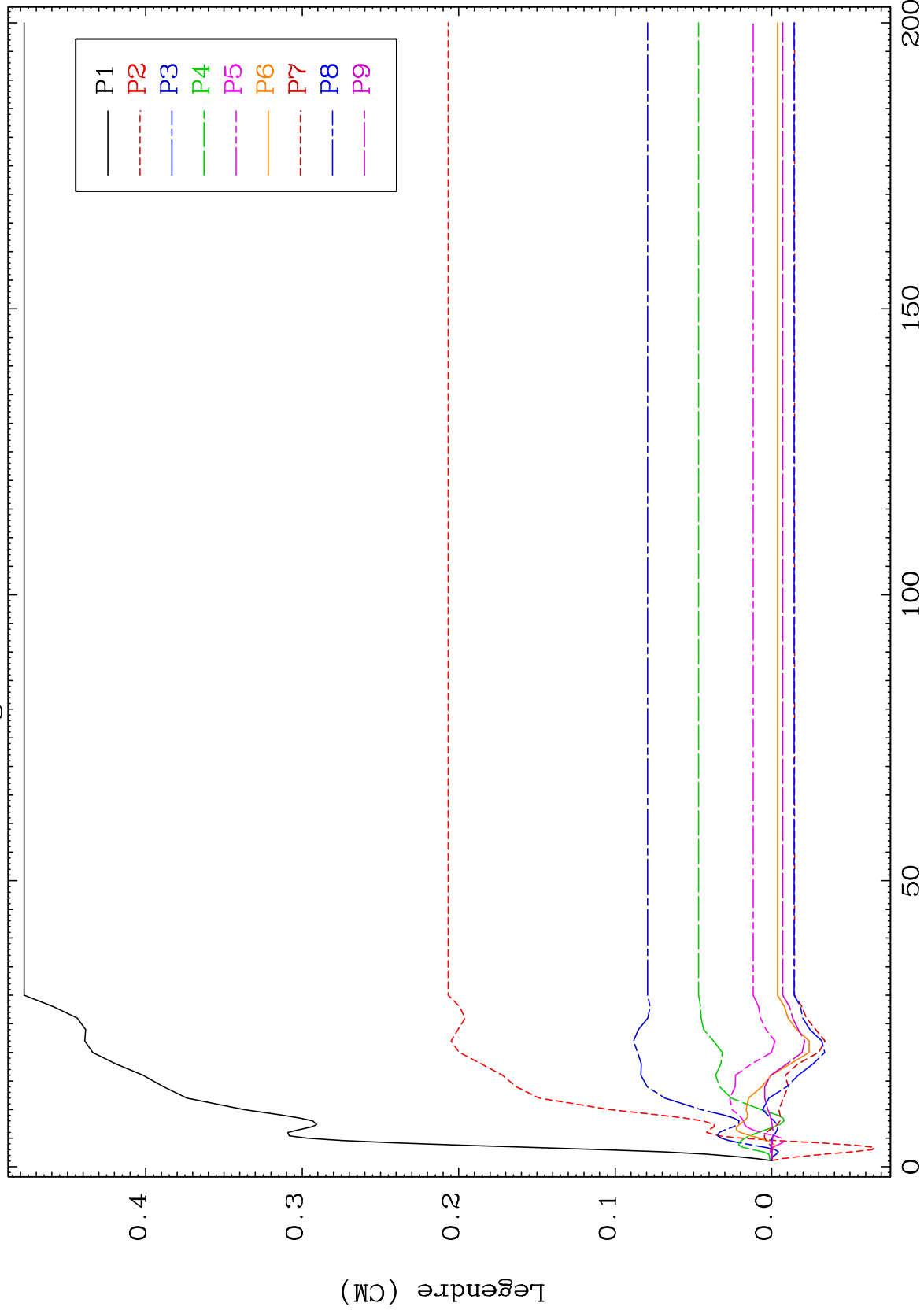
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



Incident Energy (MeV)

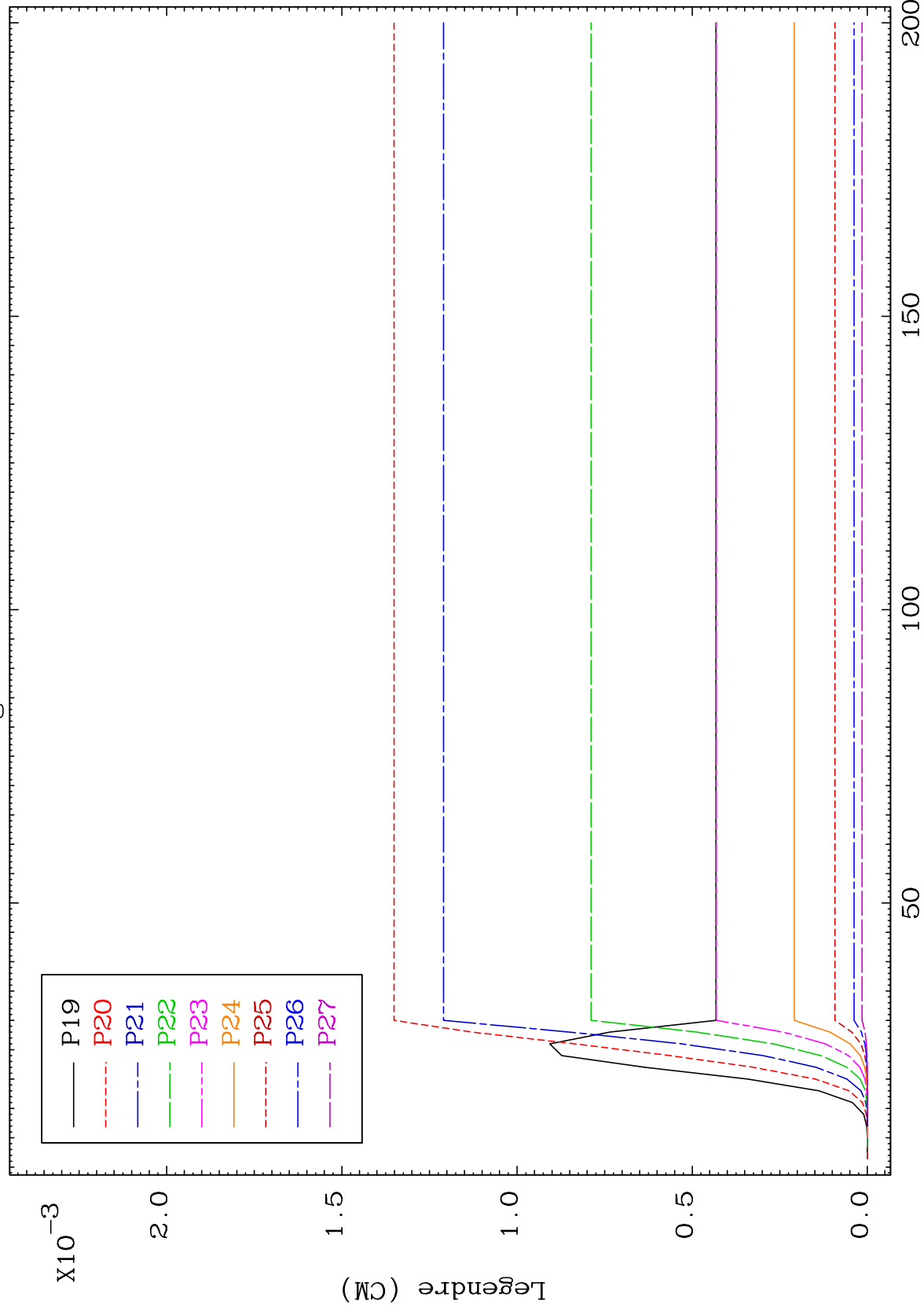
66-Dy-153

76

MAT 6616

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

66-Dy-153



78

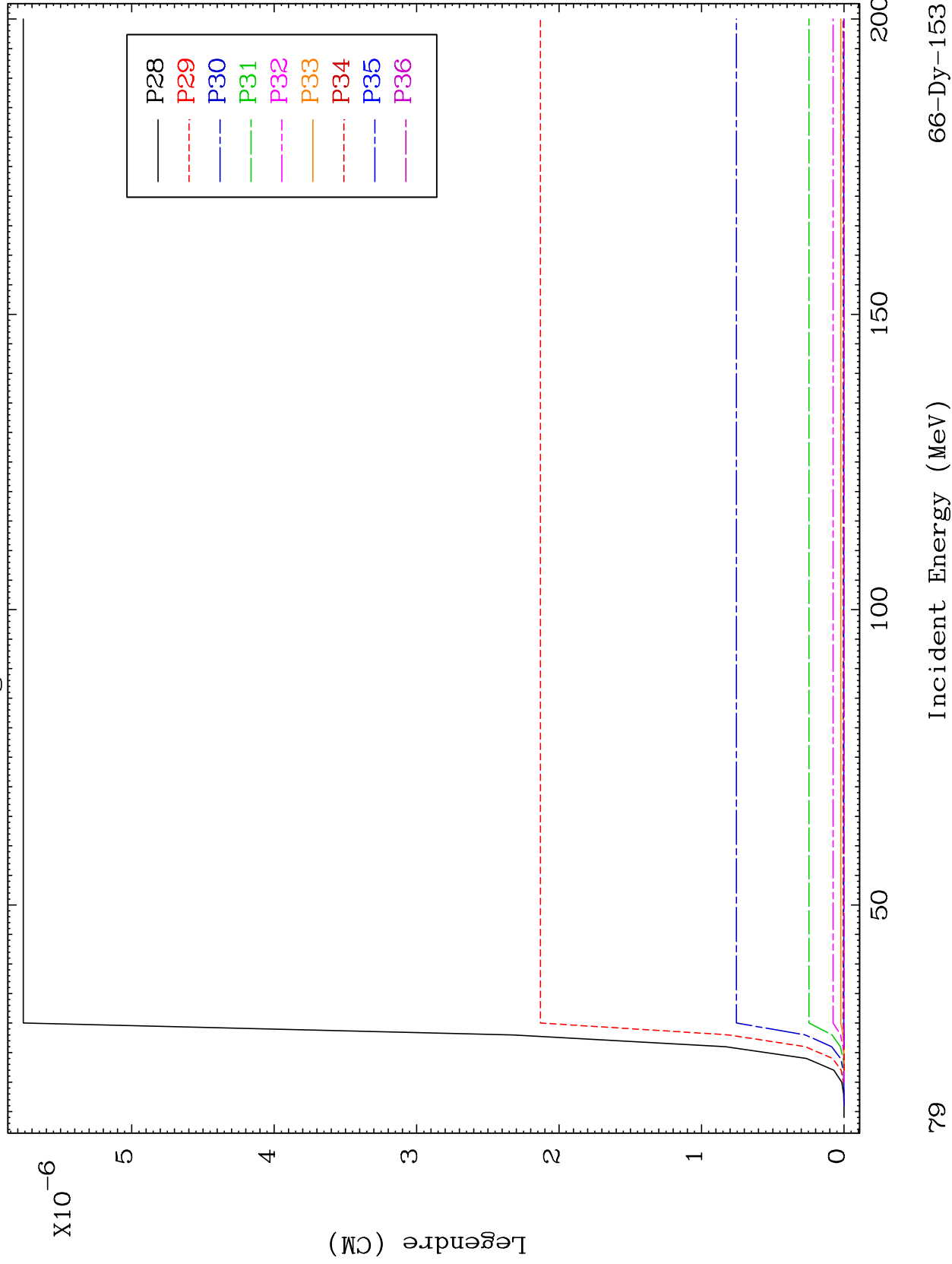
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

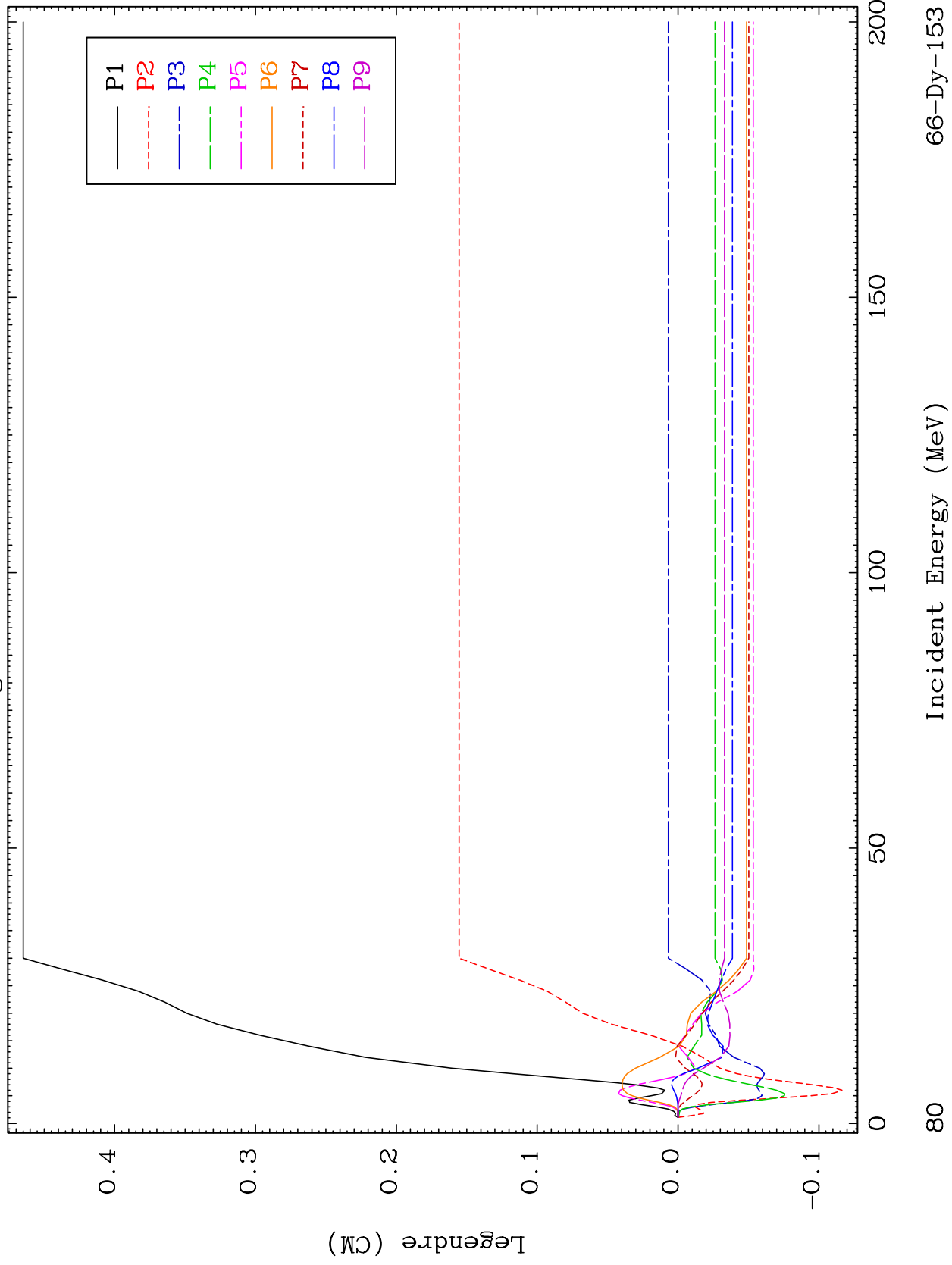
66-Dy-153



MAT 6616

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

66-Dy-153



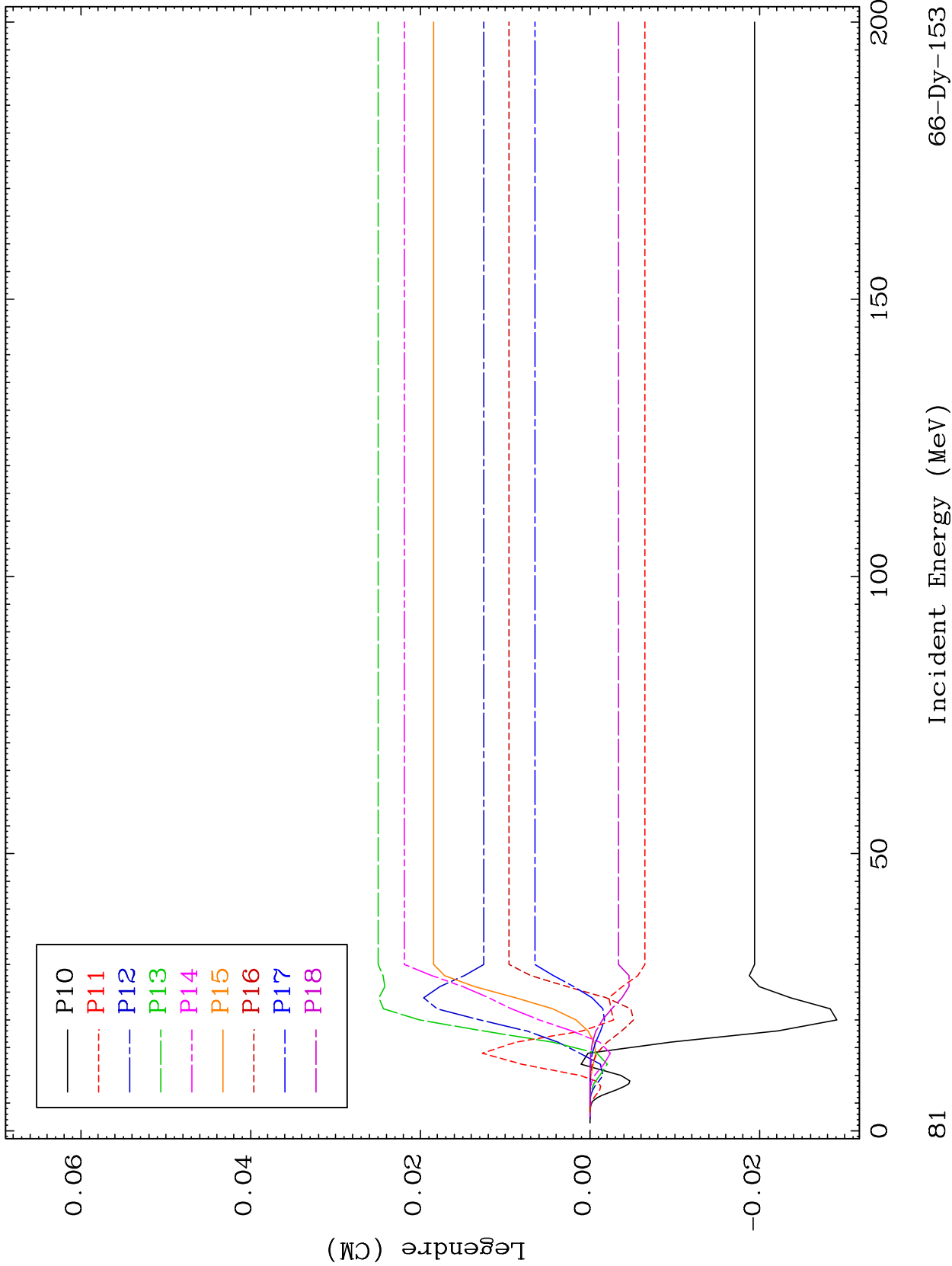
66-Dy-153

Incident Energy (MeV)

MAT 6616

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

66-Dy-153



81

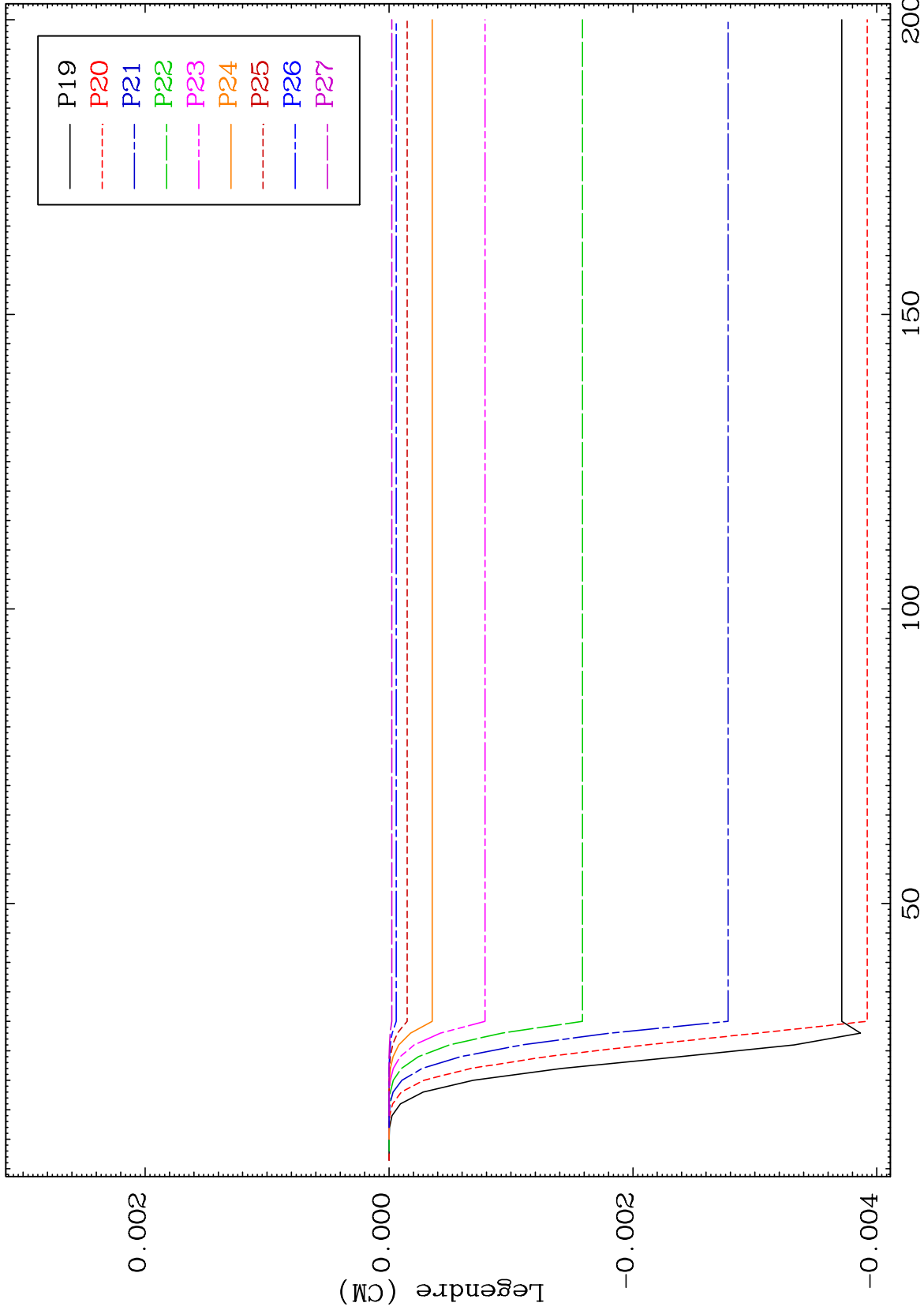
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



82

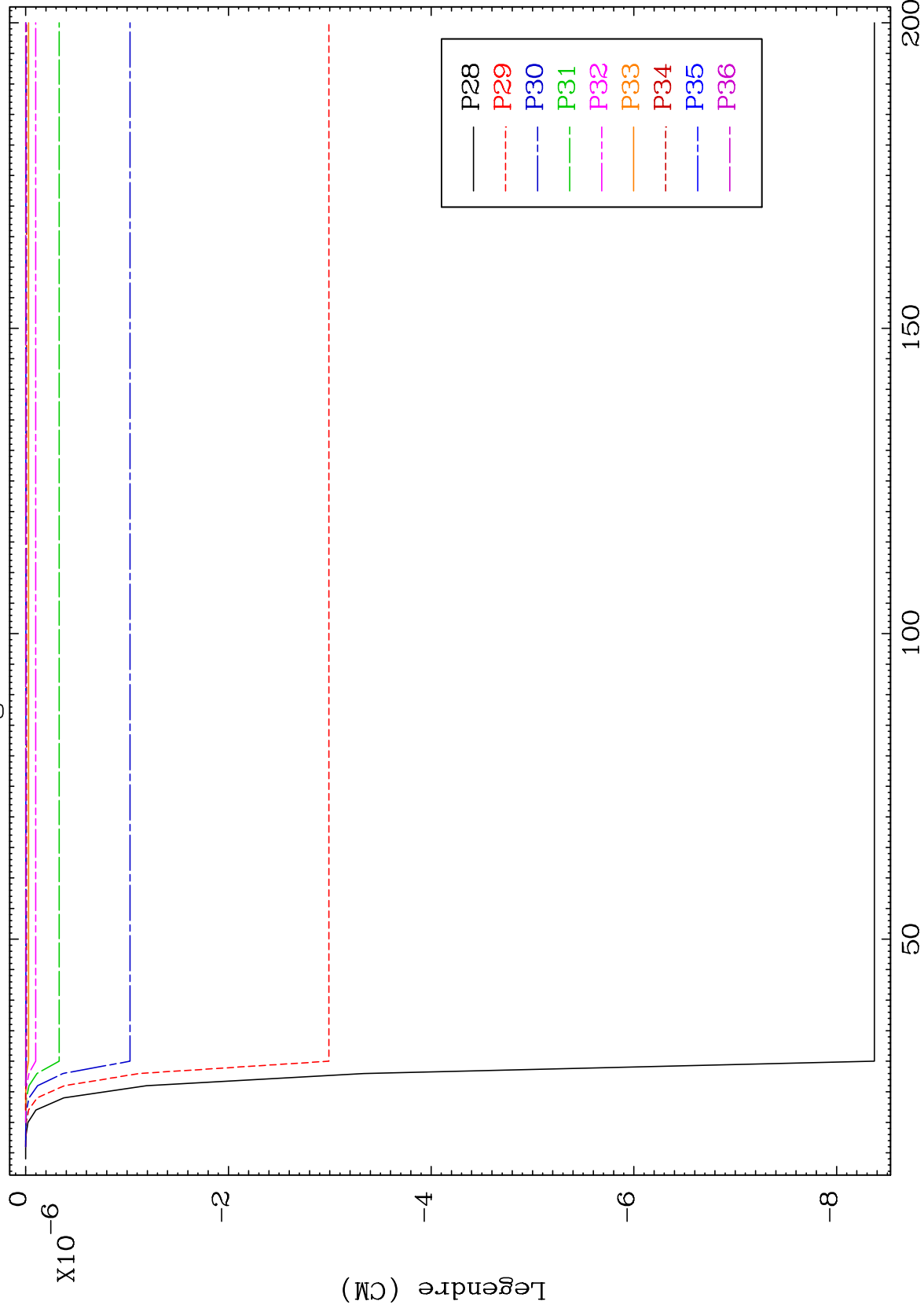
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



83

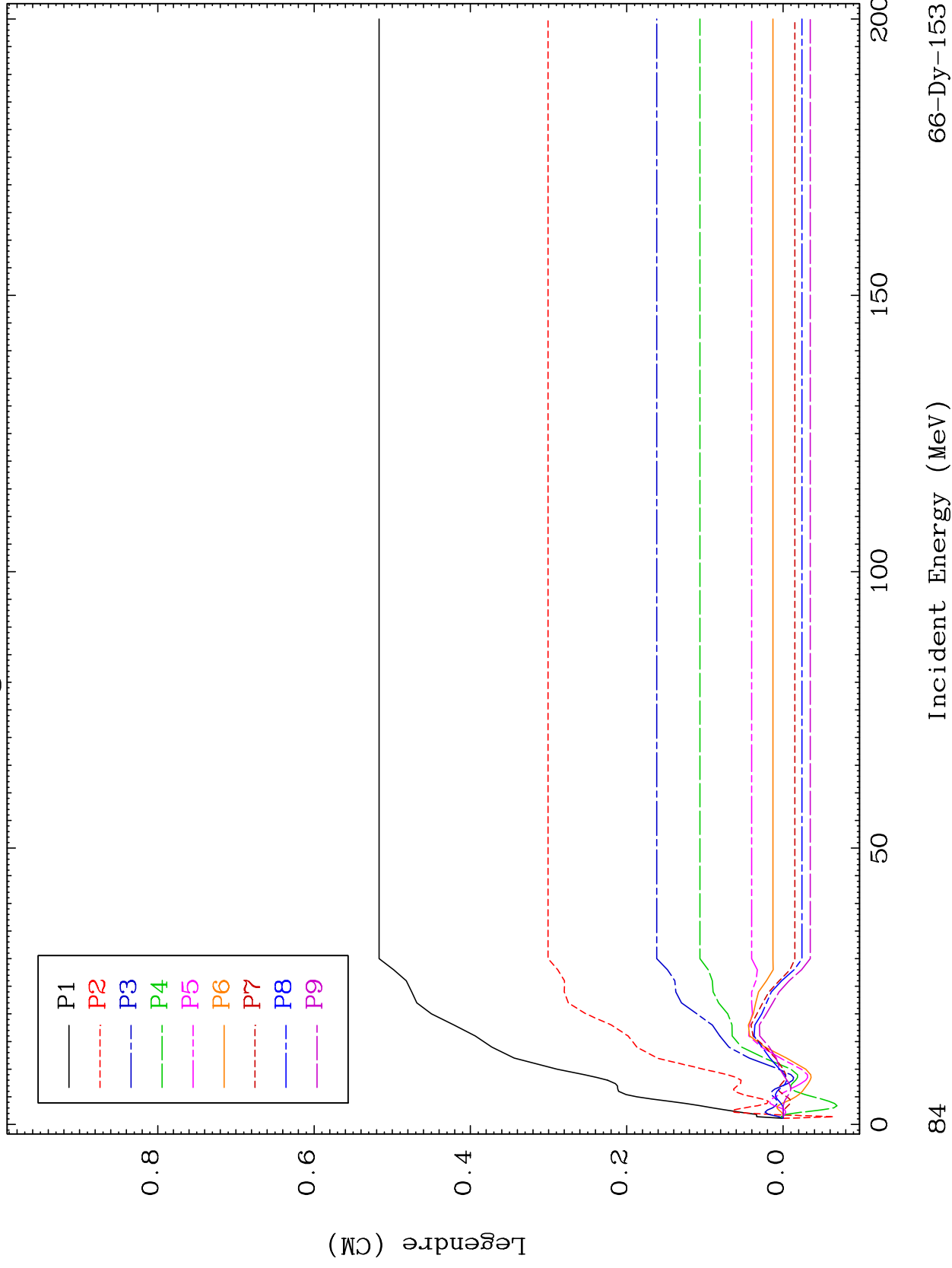
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



84

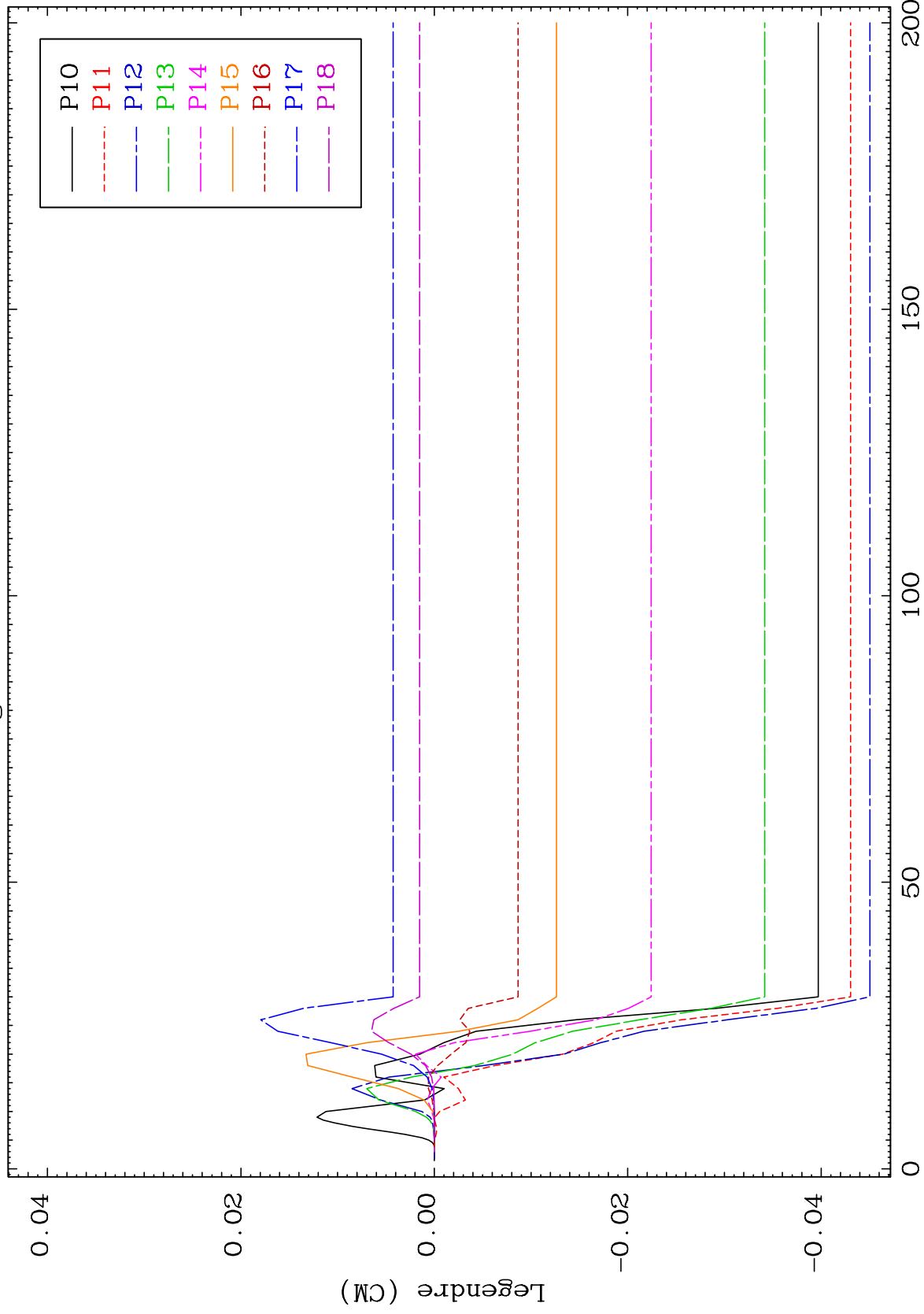
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

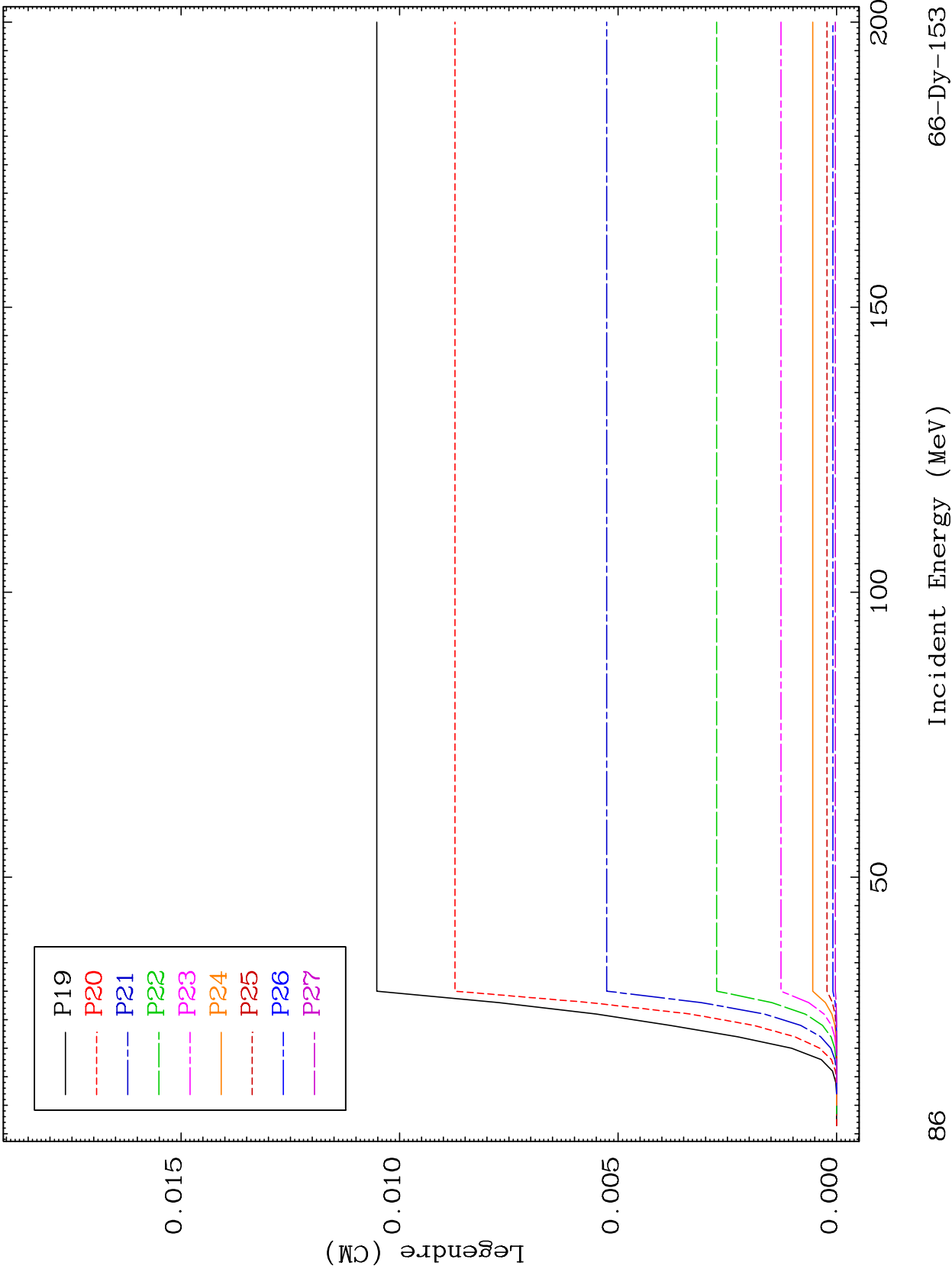
66-Dy-153



85

Incident Energy (MeV)

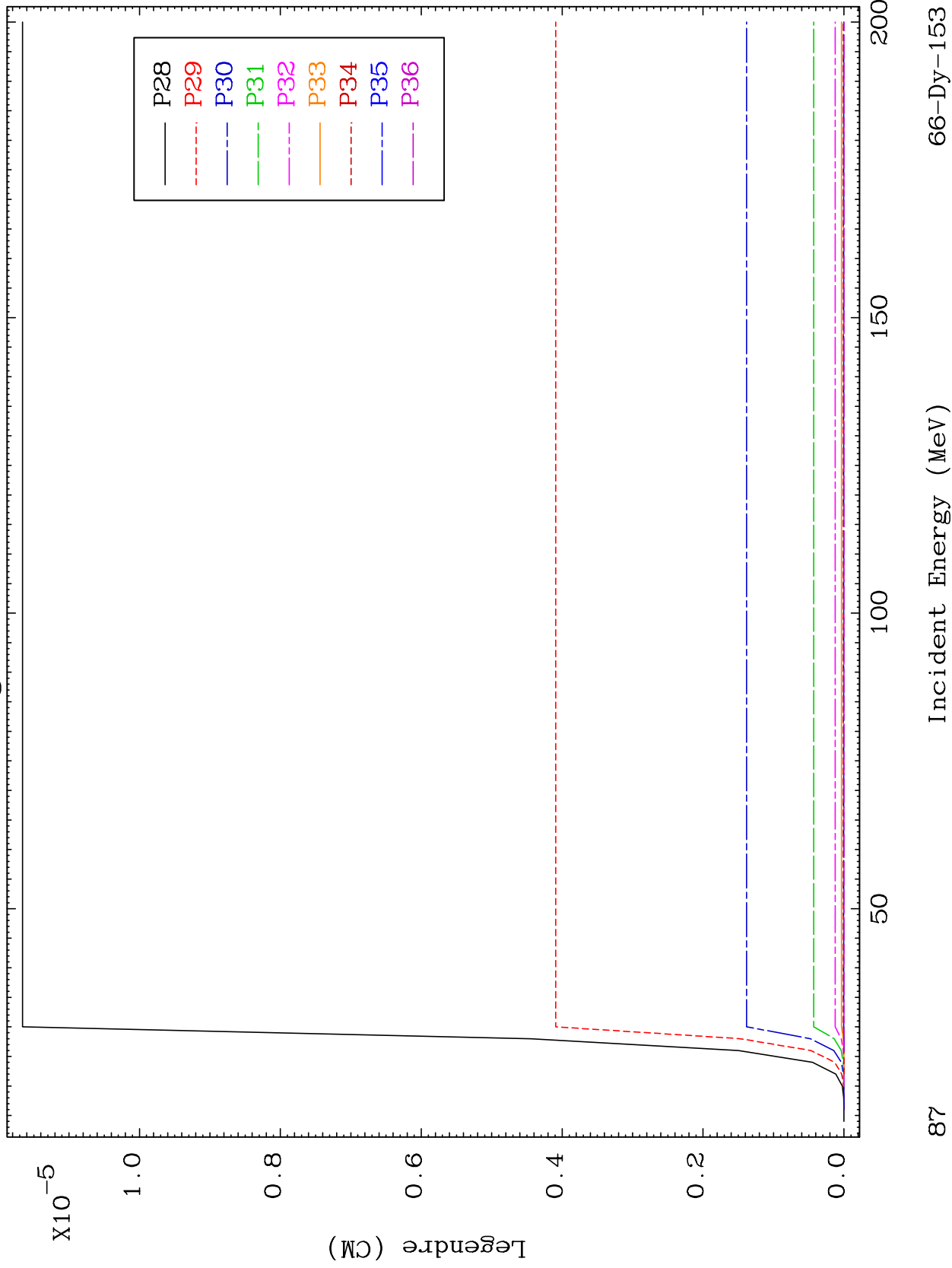
66-Dy-153



MAT 6616

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

66-Dy-153



87

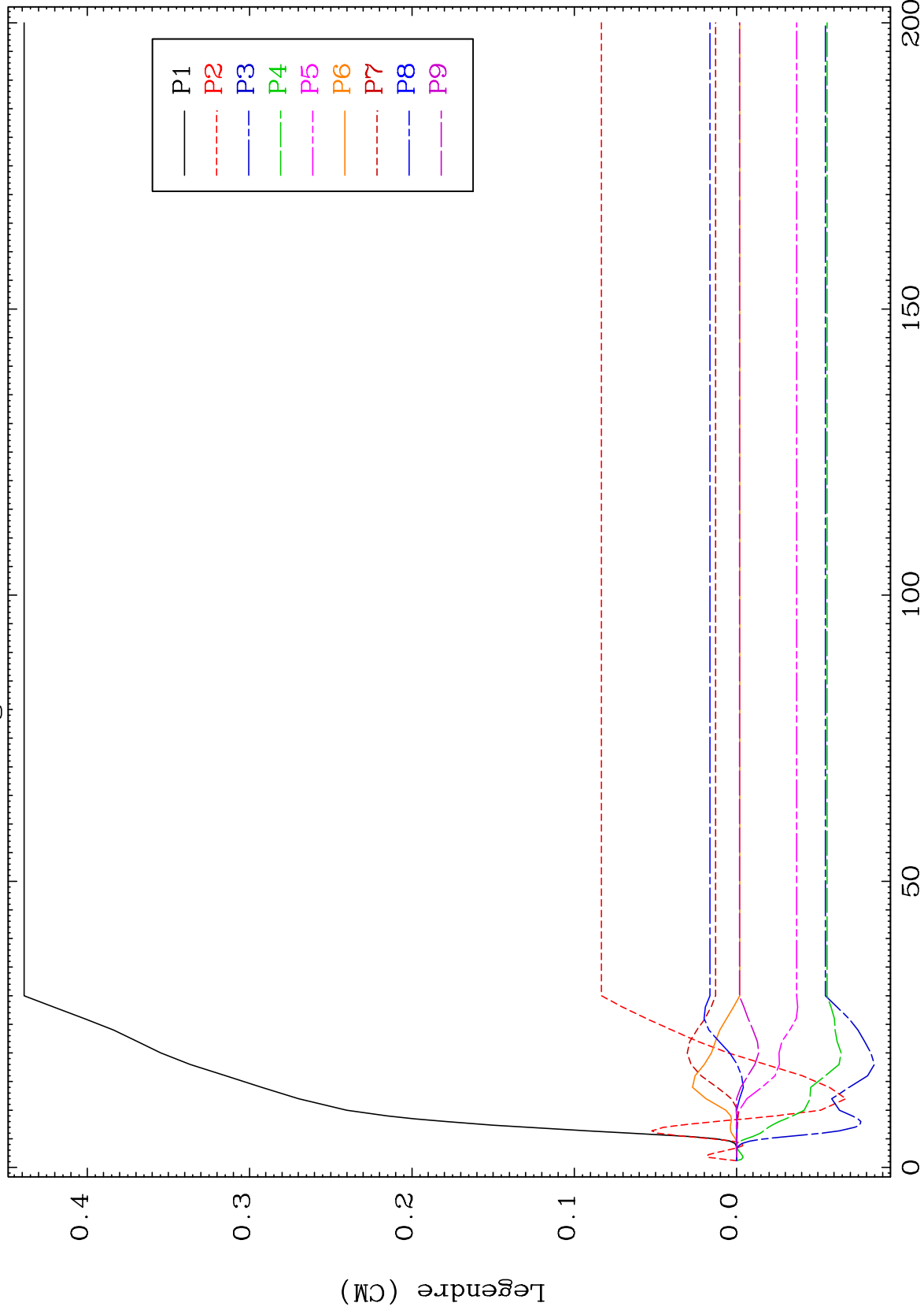
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

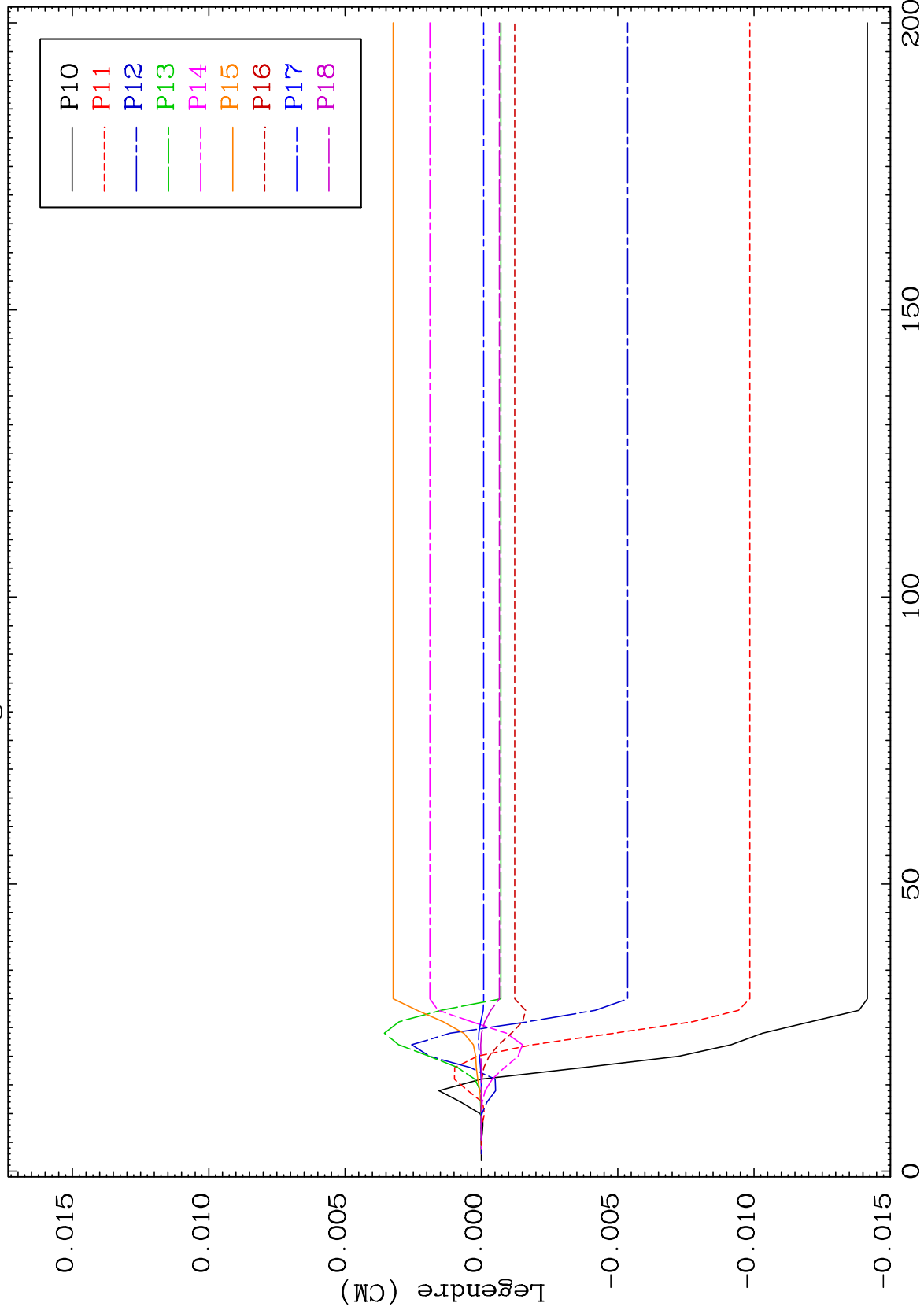
Incident Energy (MeV)

88

MAT 6616

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

66-Dy-153



89

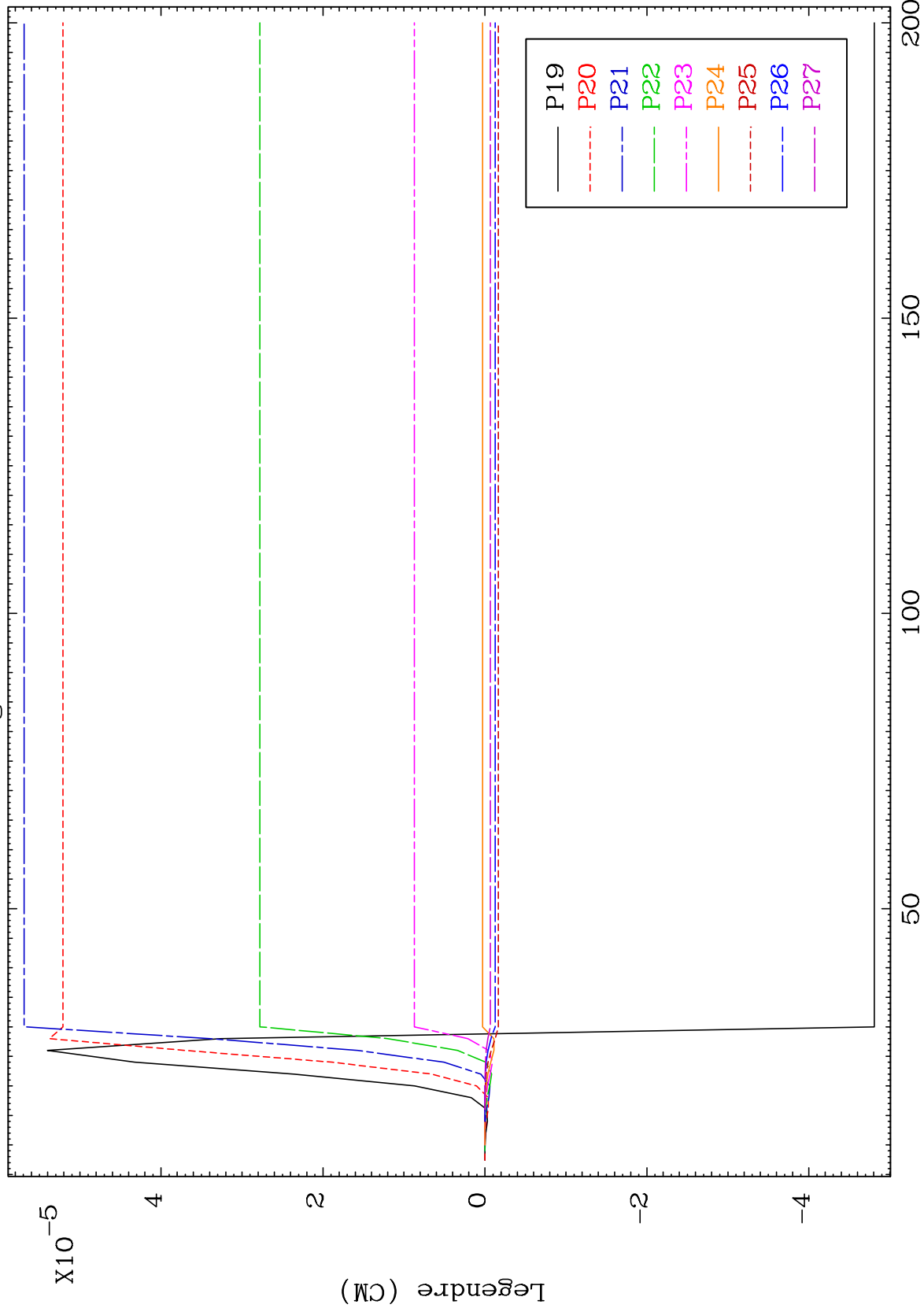
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



90

Incident Energy (MeV)

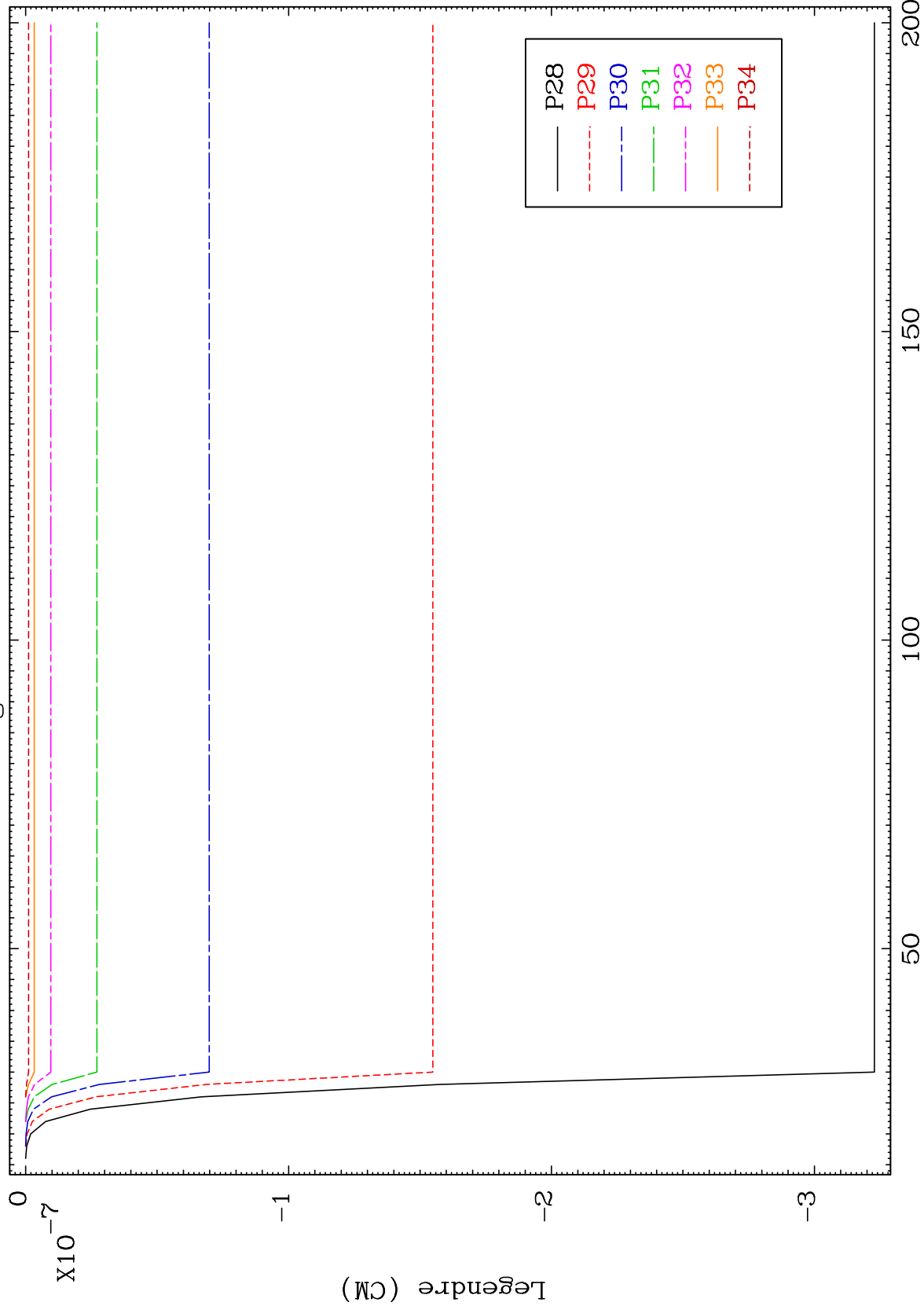
66-Dy-153

MAT 6616

MT= 68 (n,n') Level

66-Dy-153

Legendre Coefficients



66-Dy-153

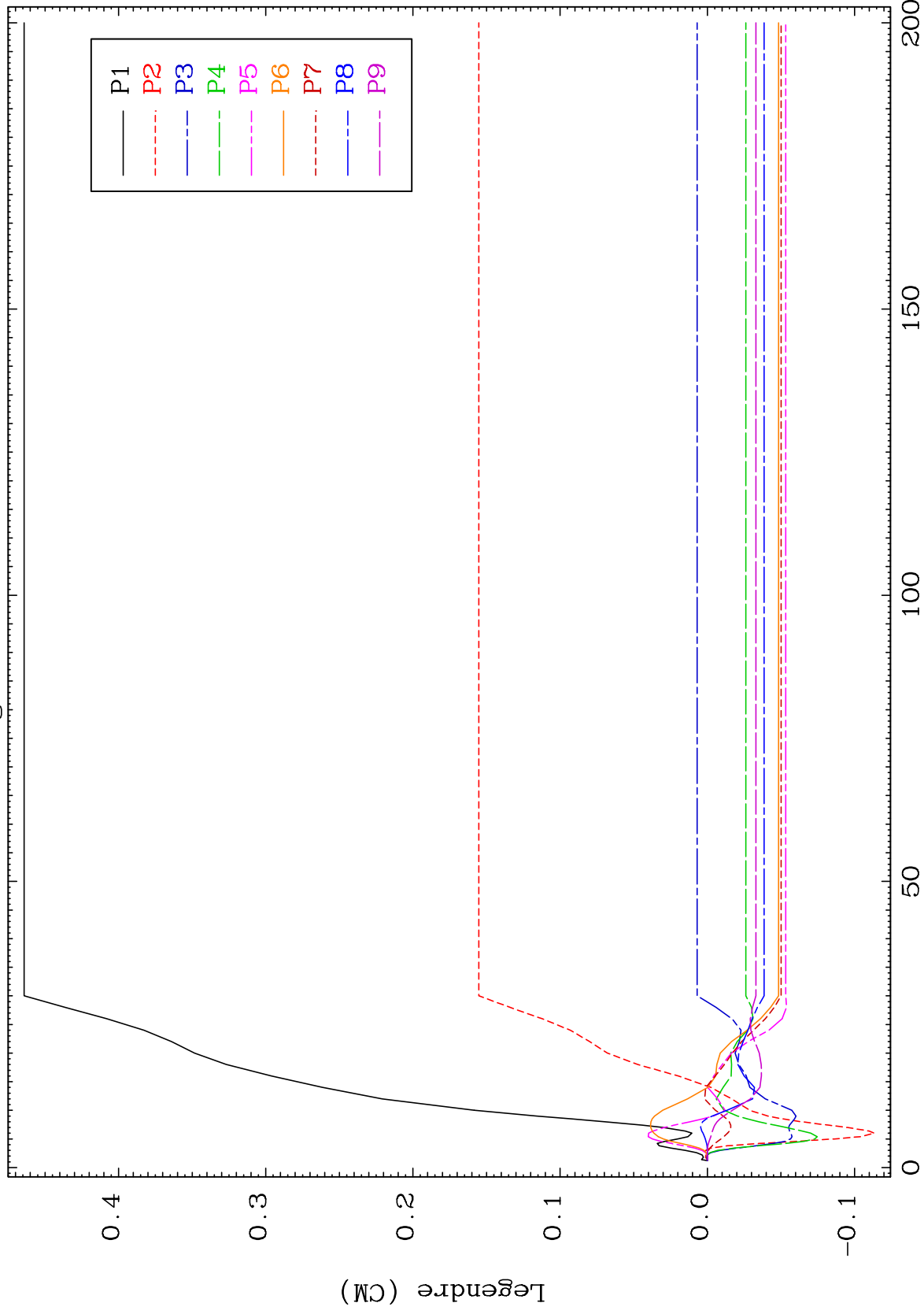
Incident Energy (MeV)

91

MAT 6616

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

66-Dy-153



92

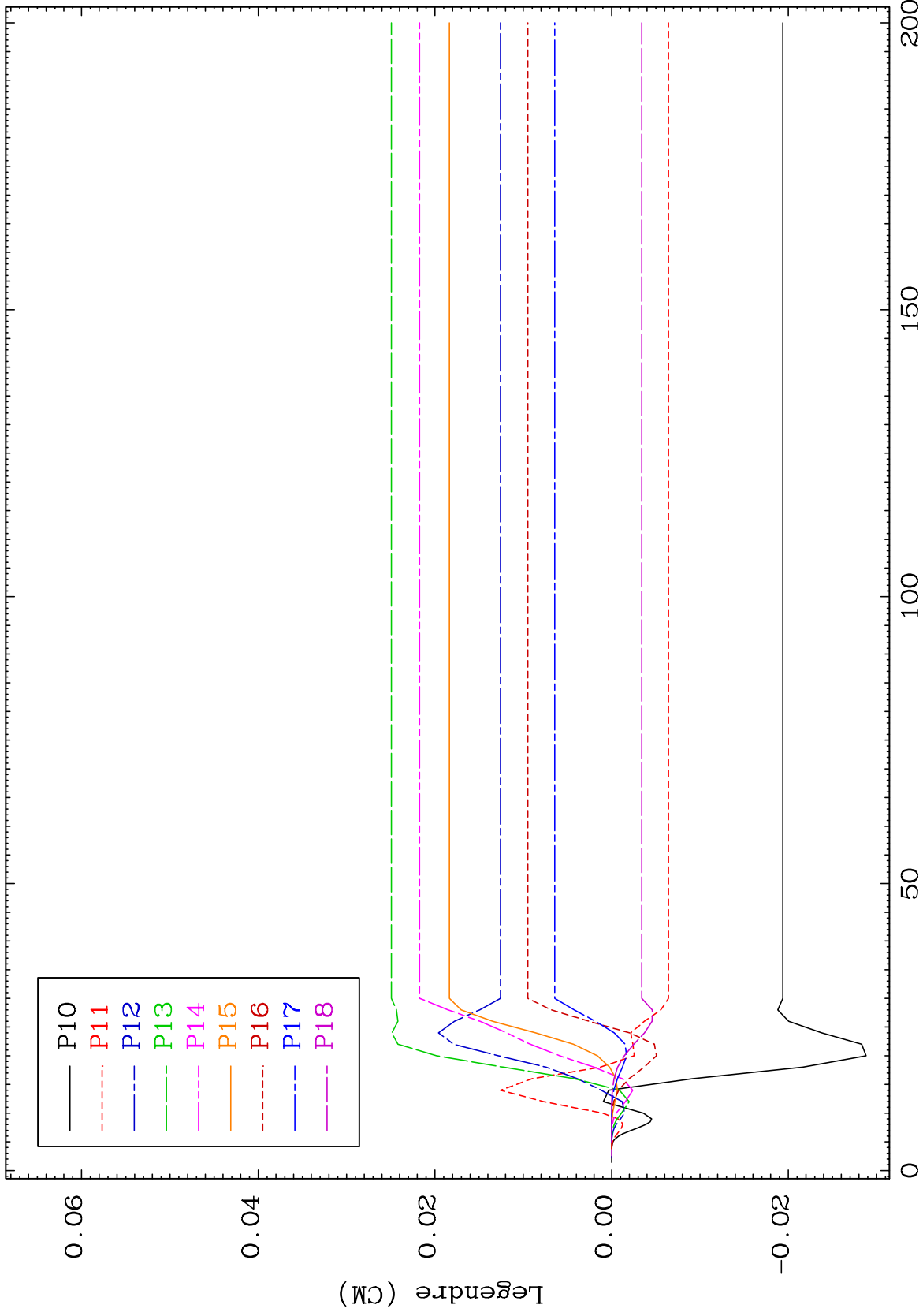
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



93

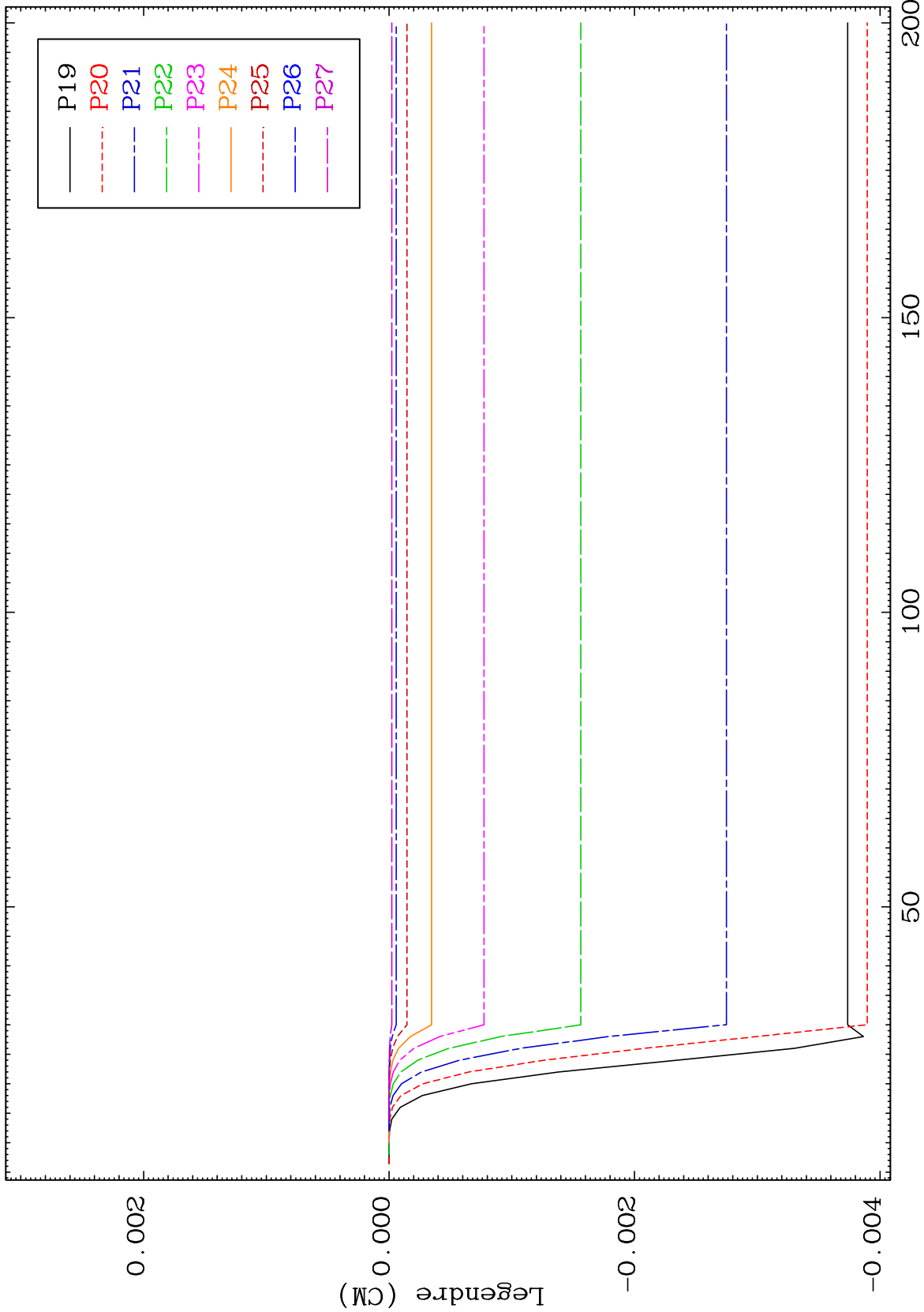
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

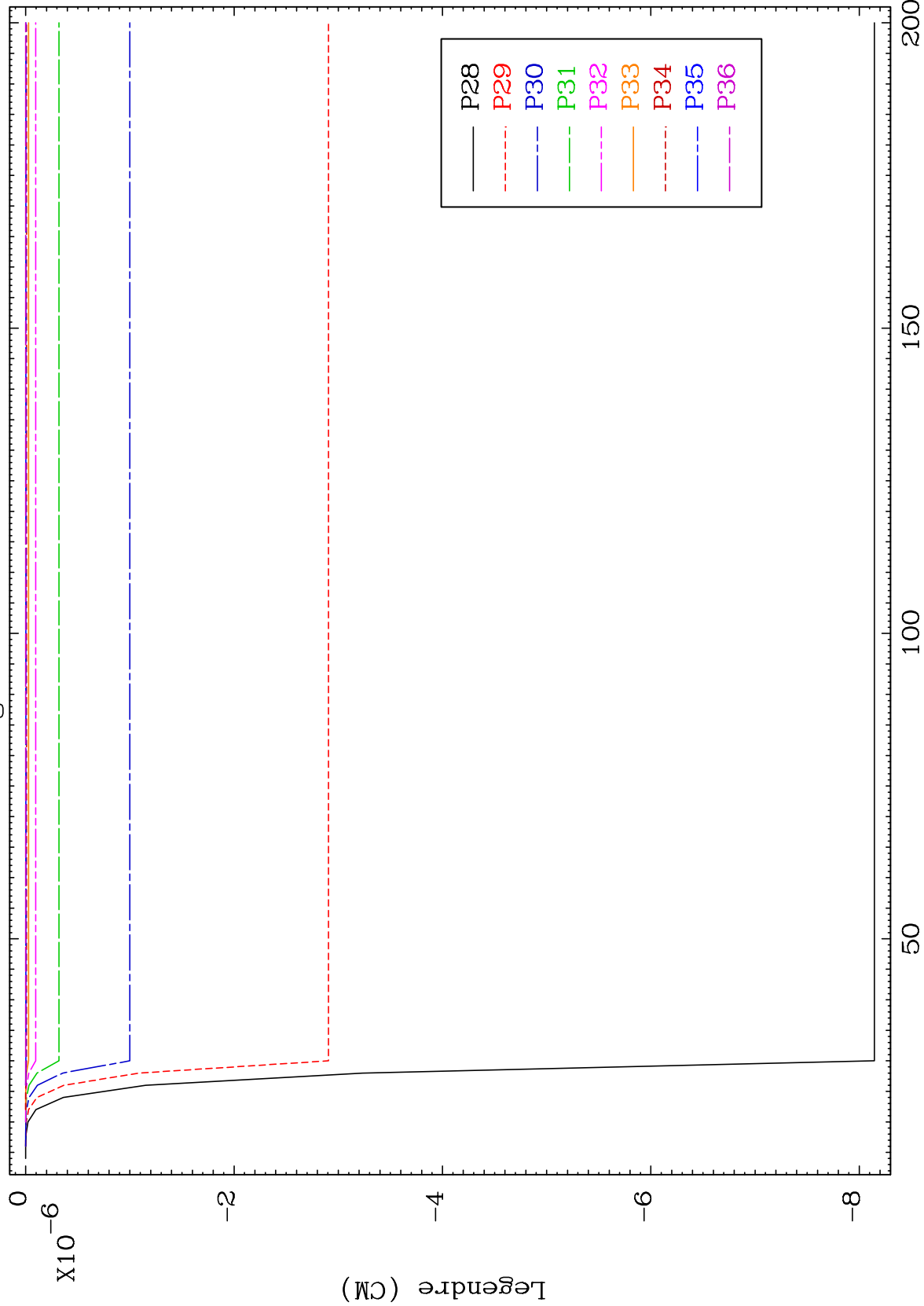
66-Dy-153



MAT 6616

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

66-Dy-153



95

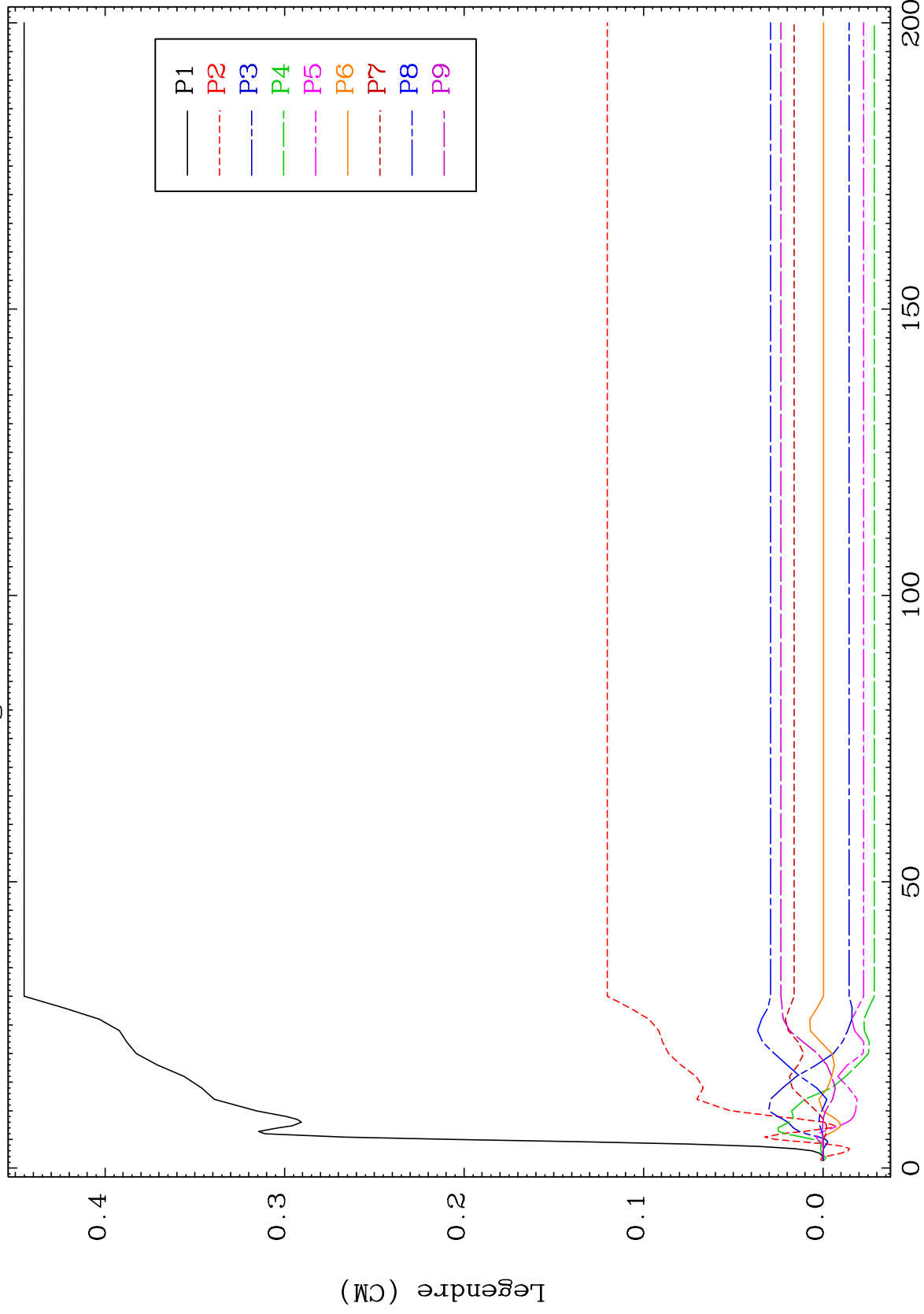
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

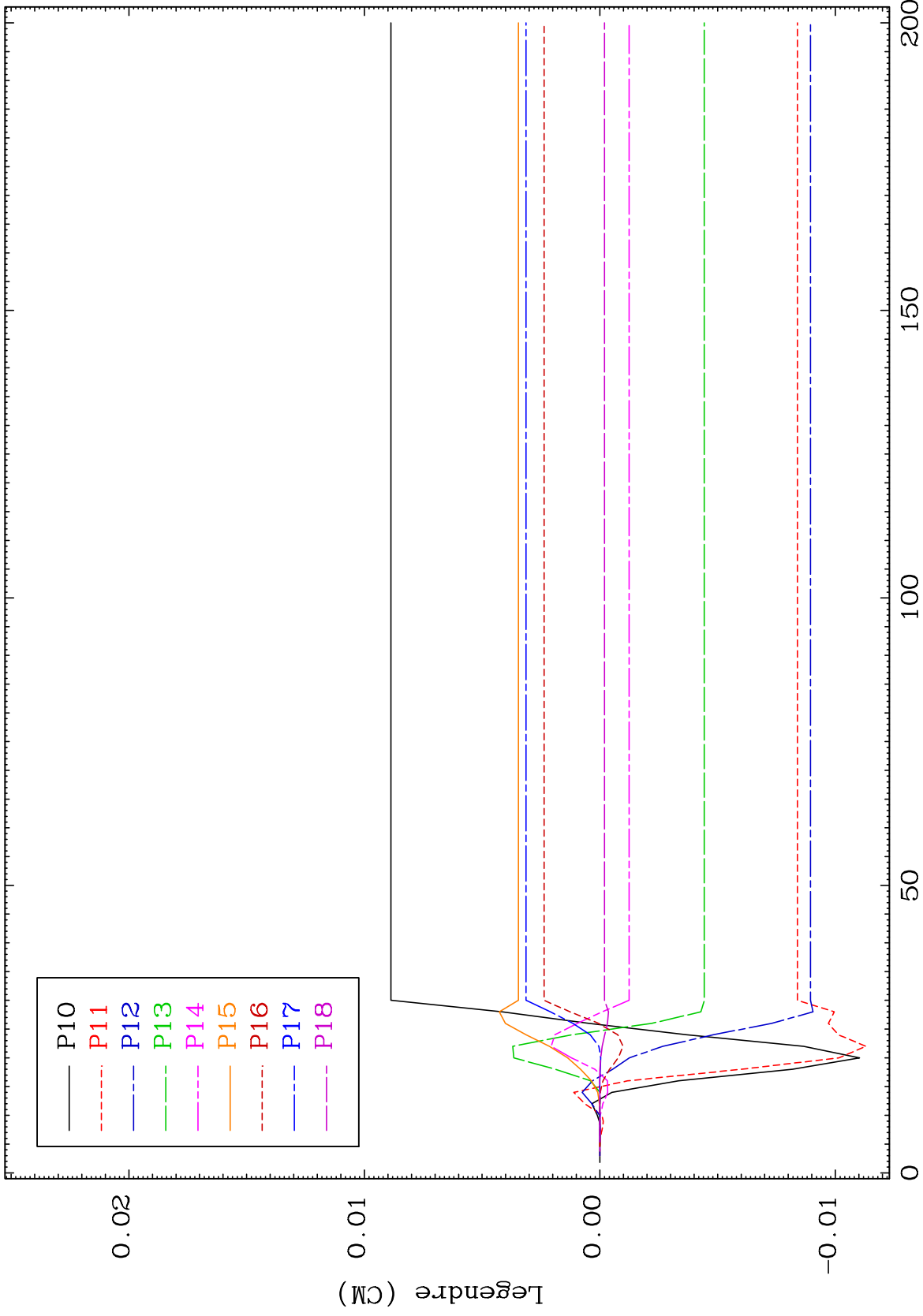
66-Dy-153

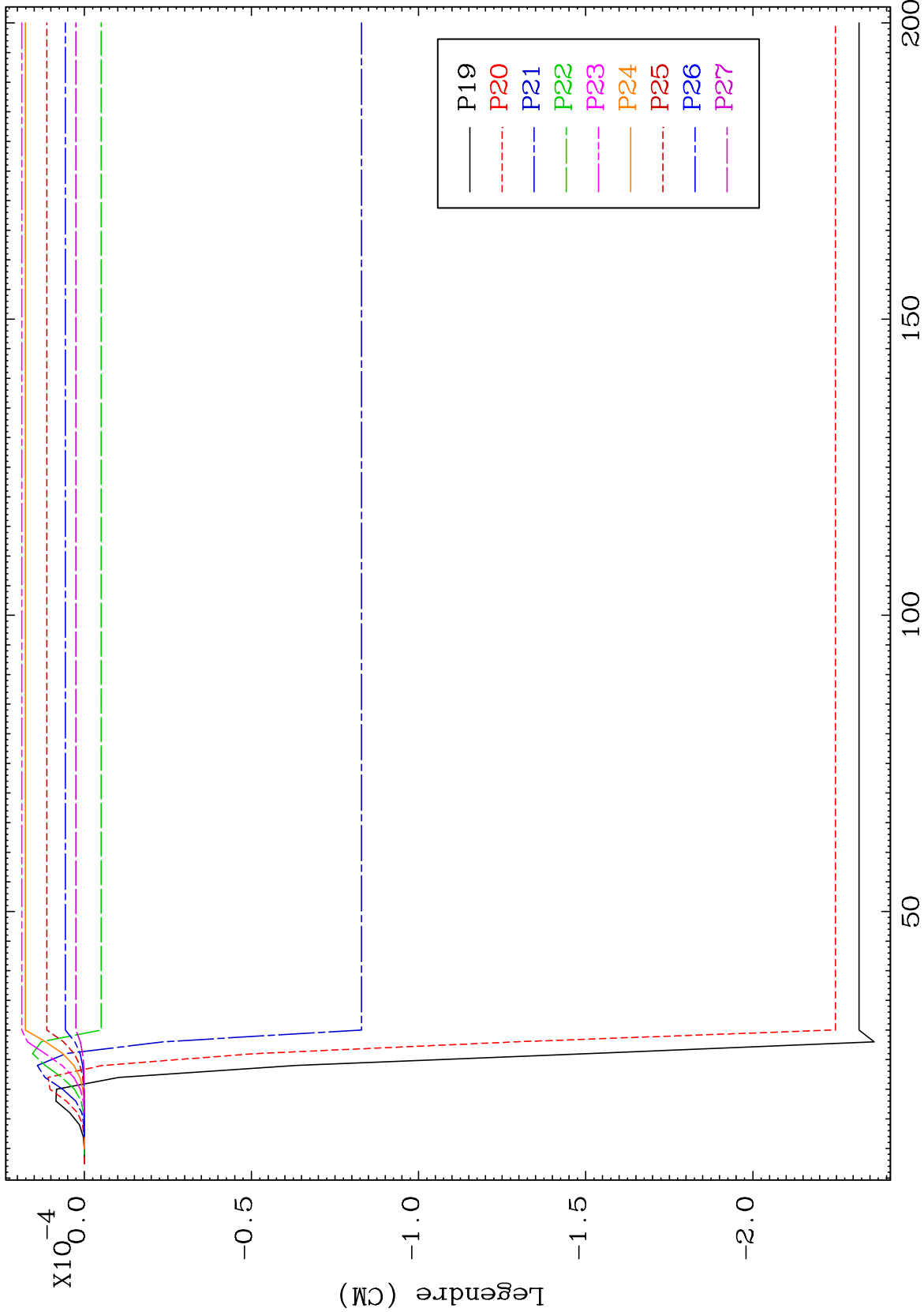


96

Incident Energy (MeV)

66-Dy-153

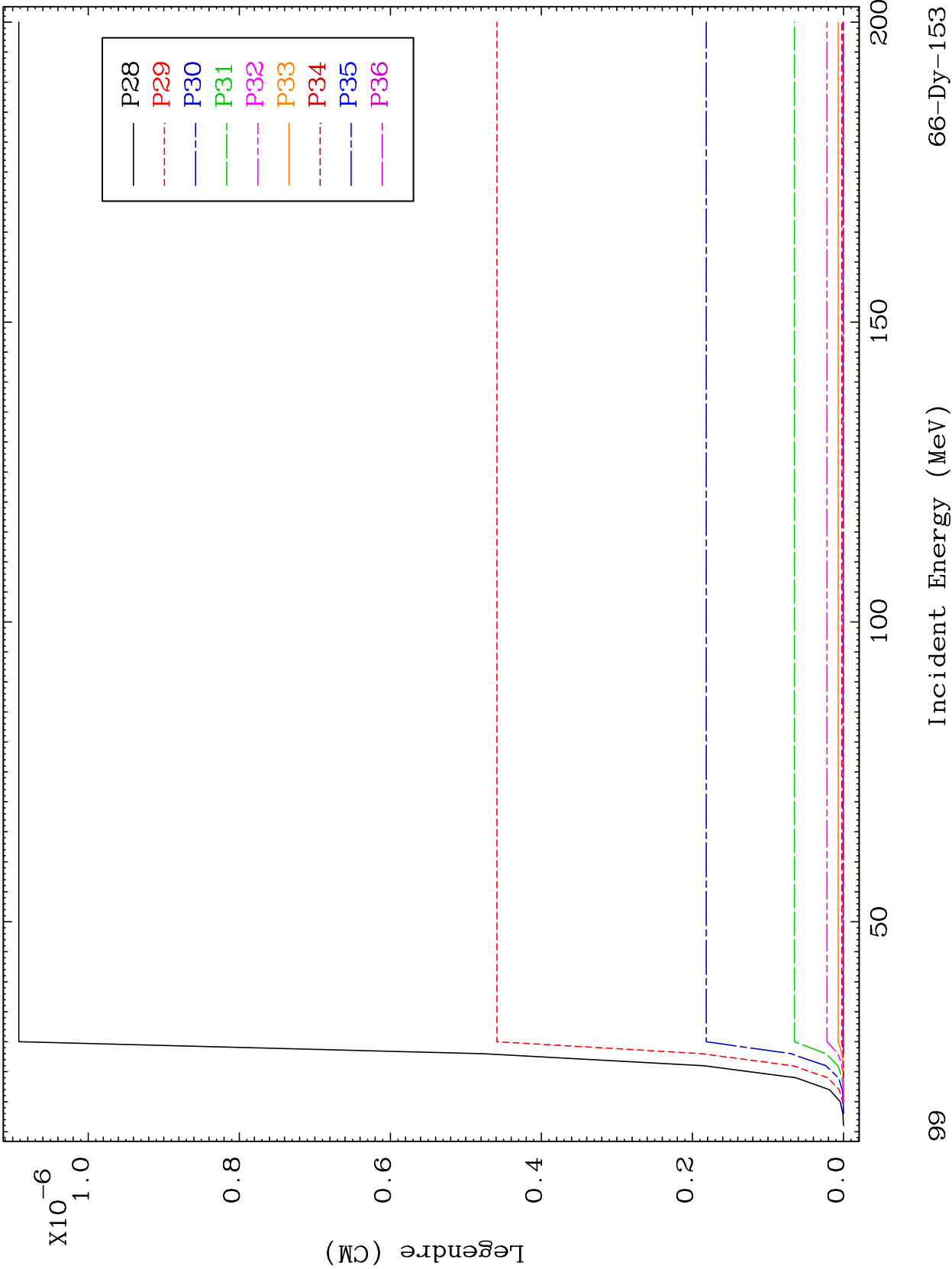




MAT 6616

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

66-Dy-153



99

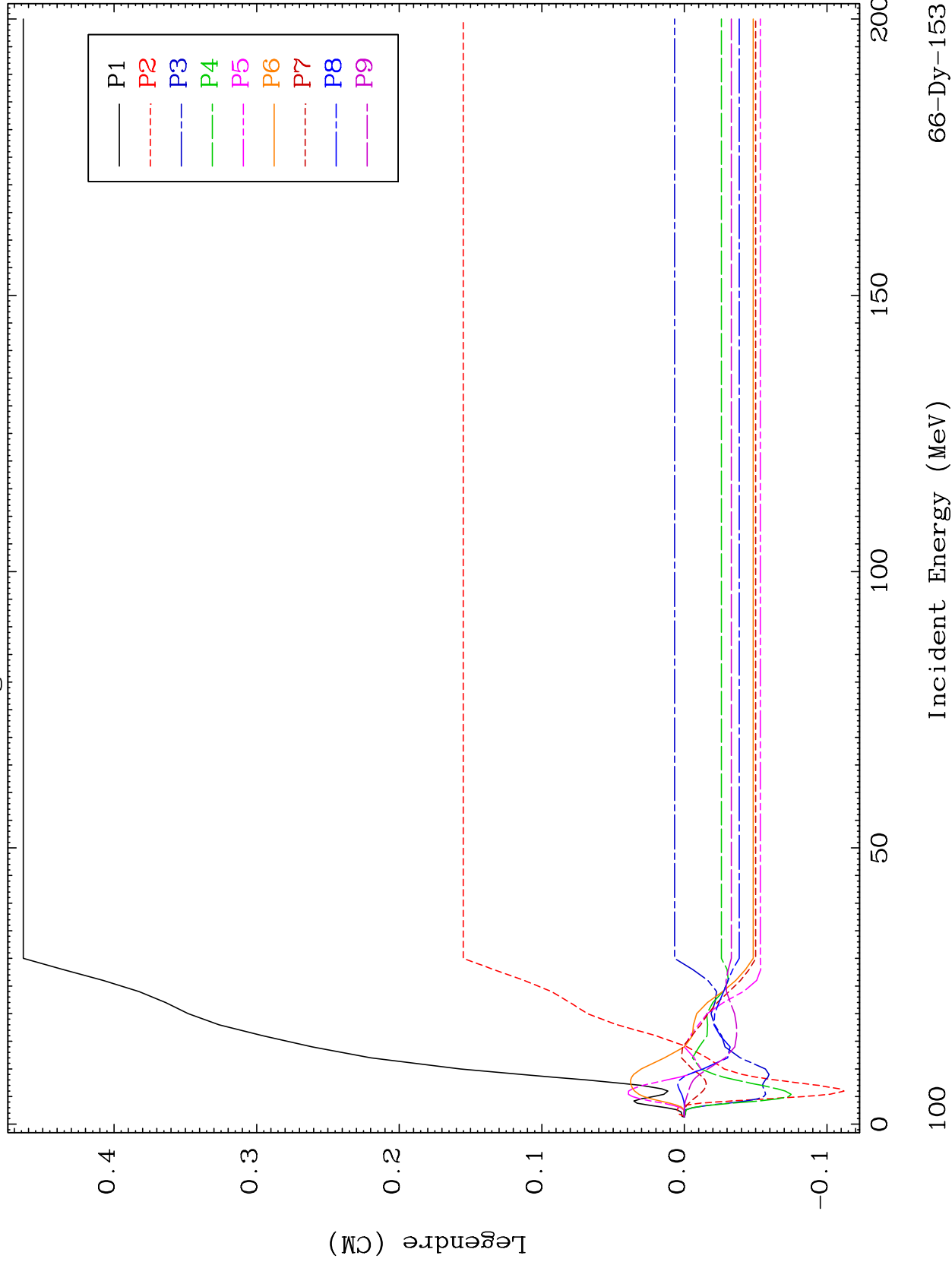
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



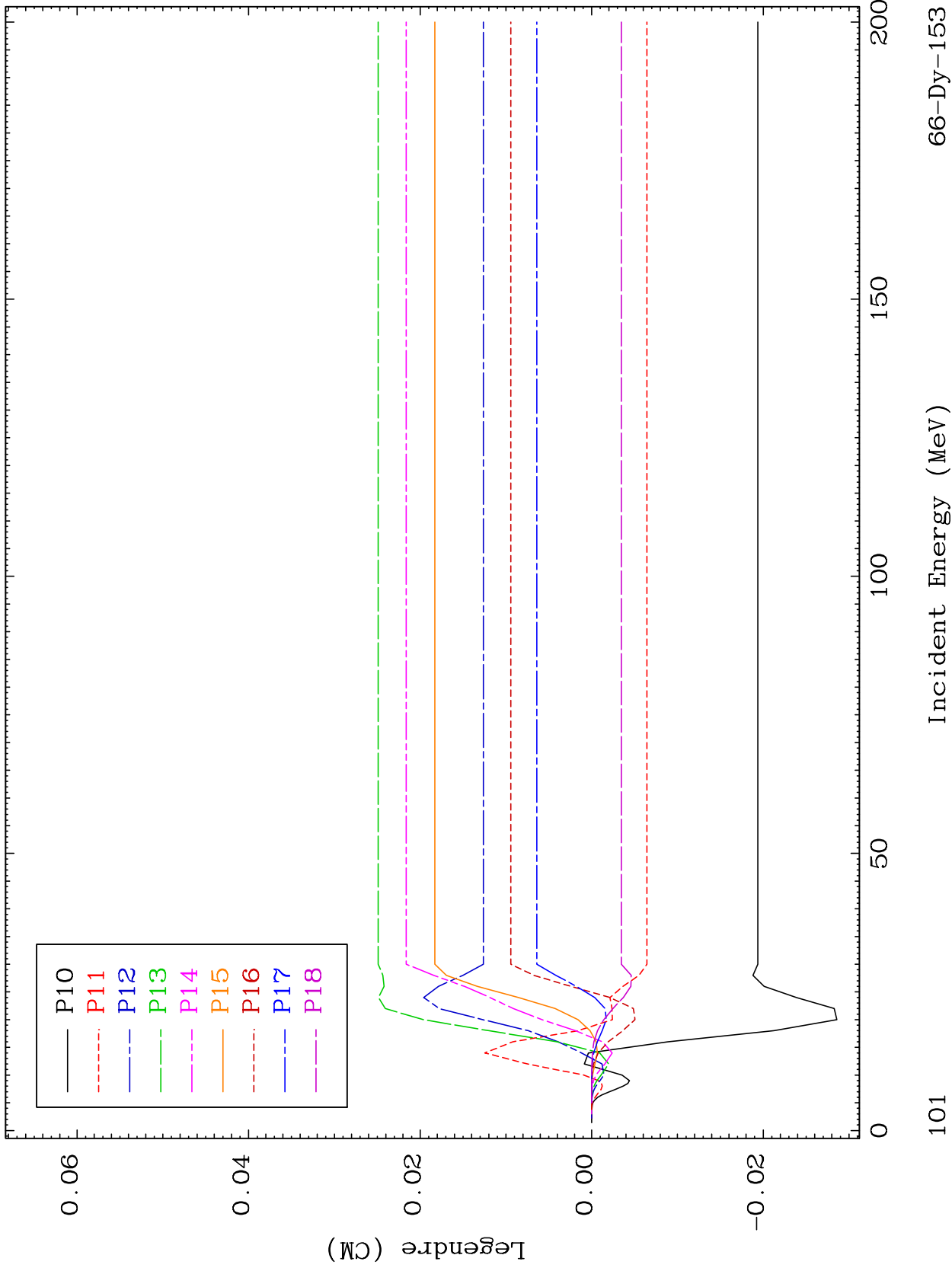
66-Dy-153

Incident Energy (MeV)

MAT 6616

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

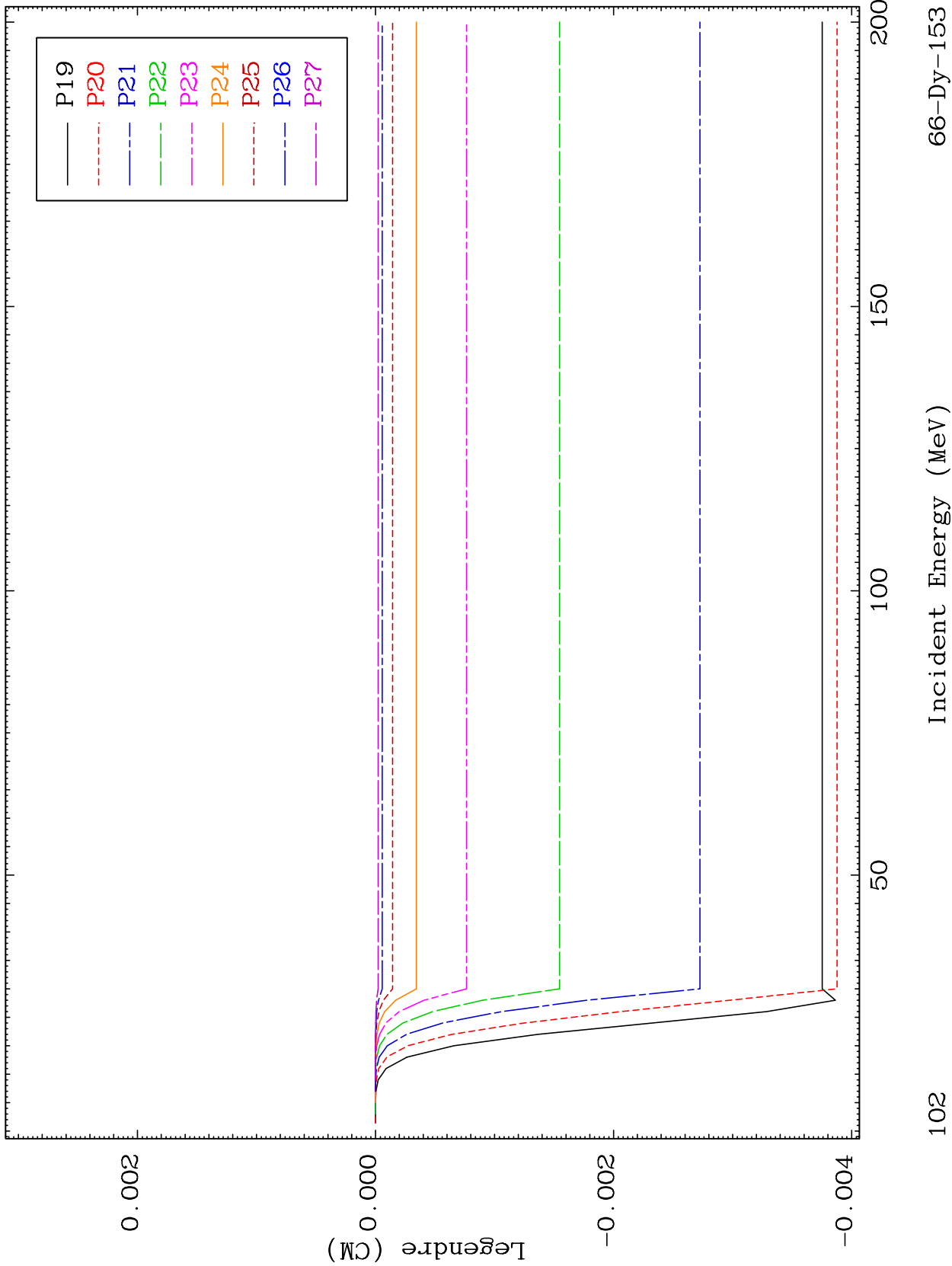
66-Dy-153



MAT 6616

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

66-Dy-153



102

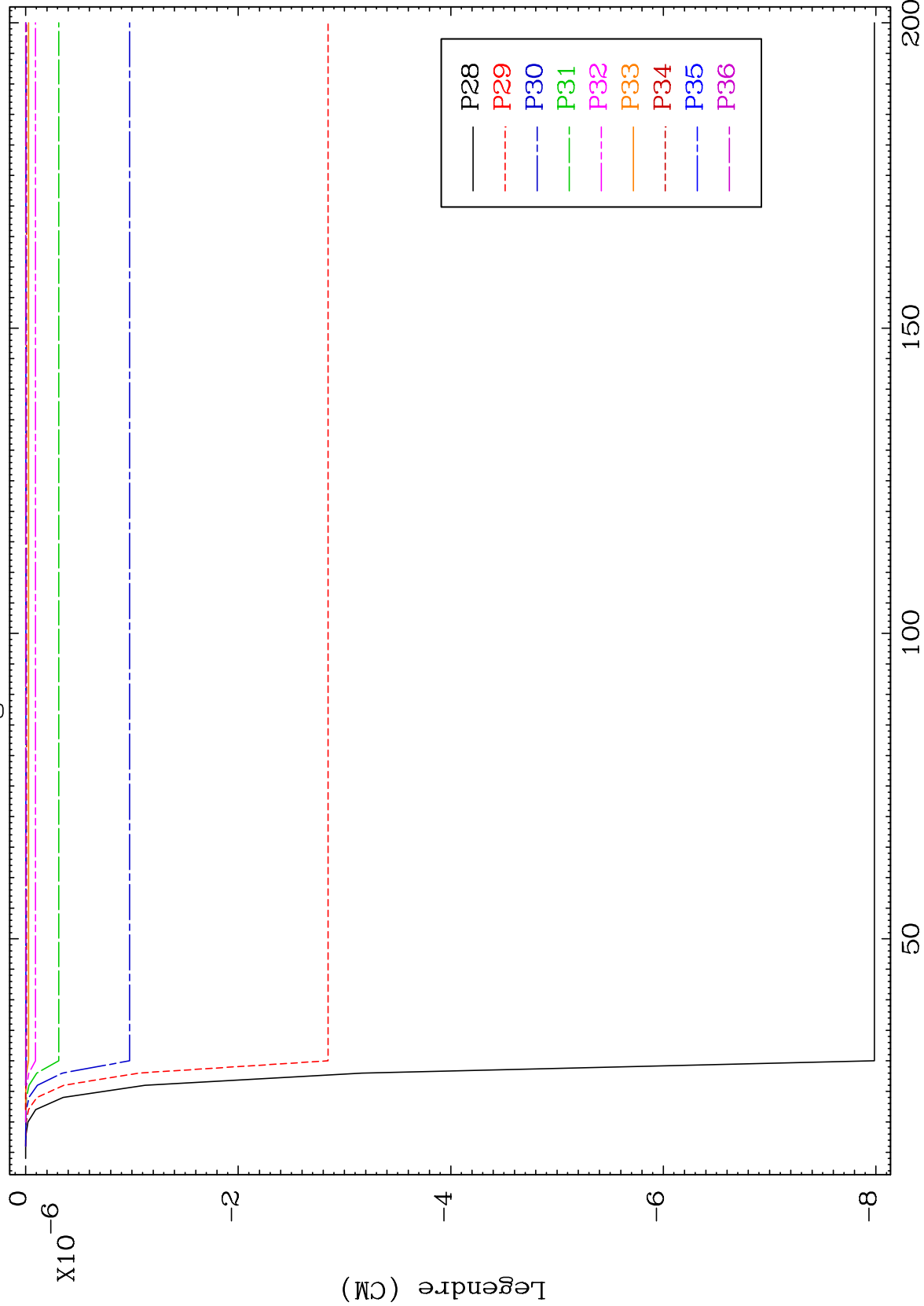
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



103

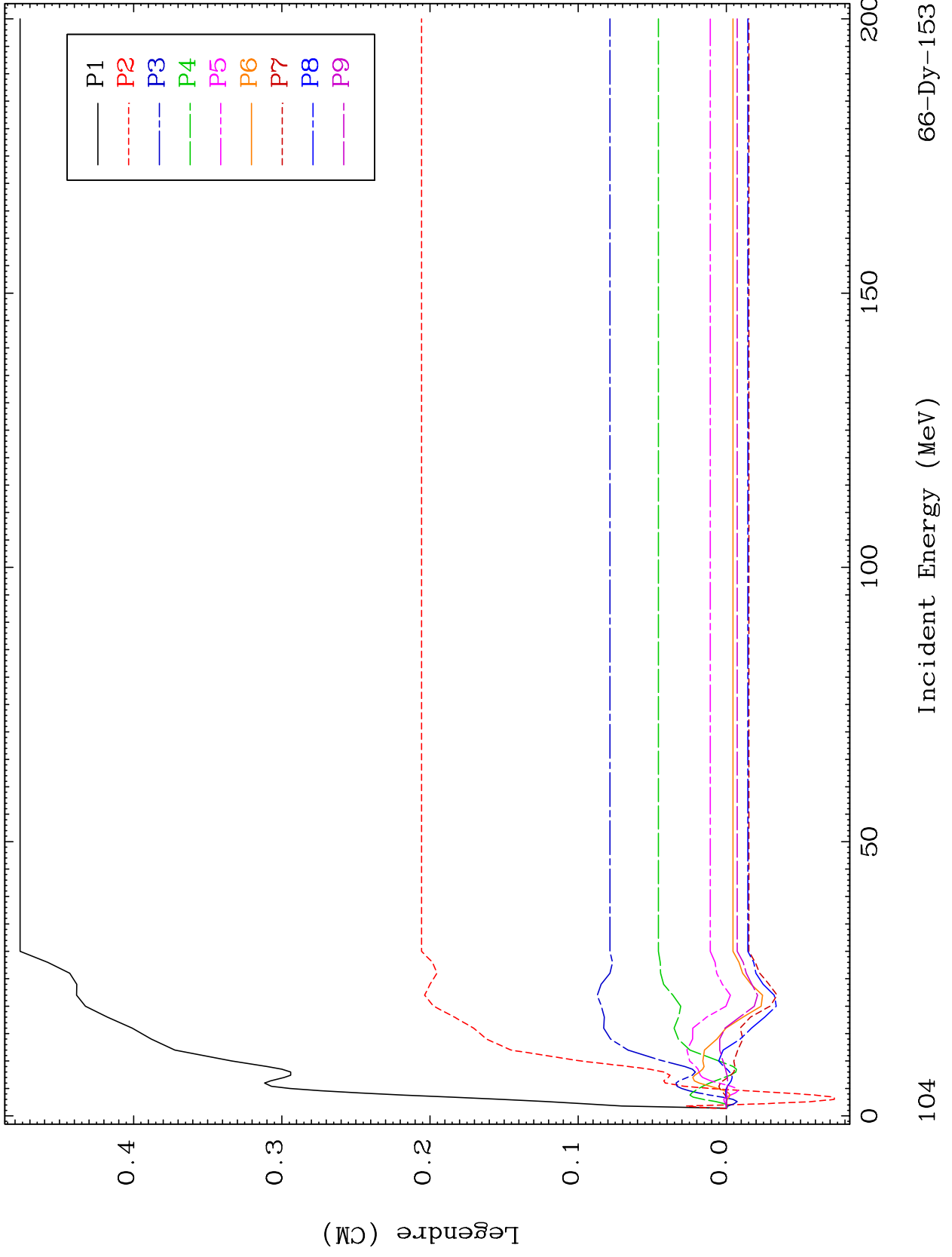
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

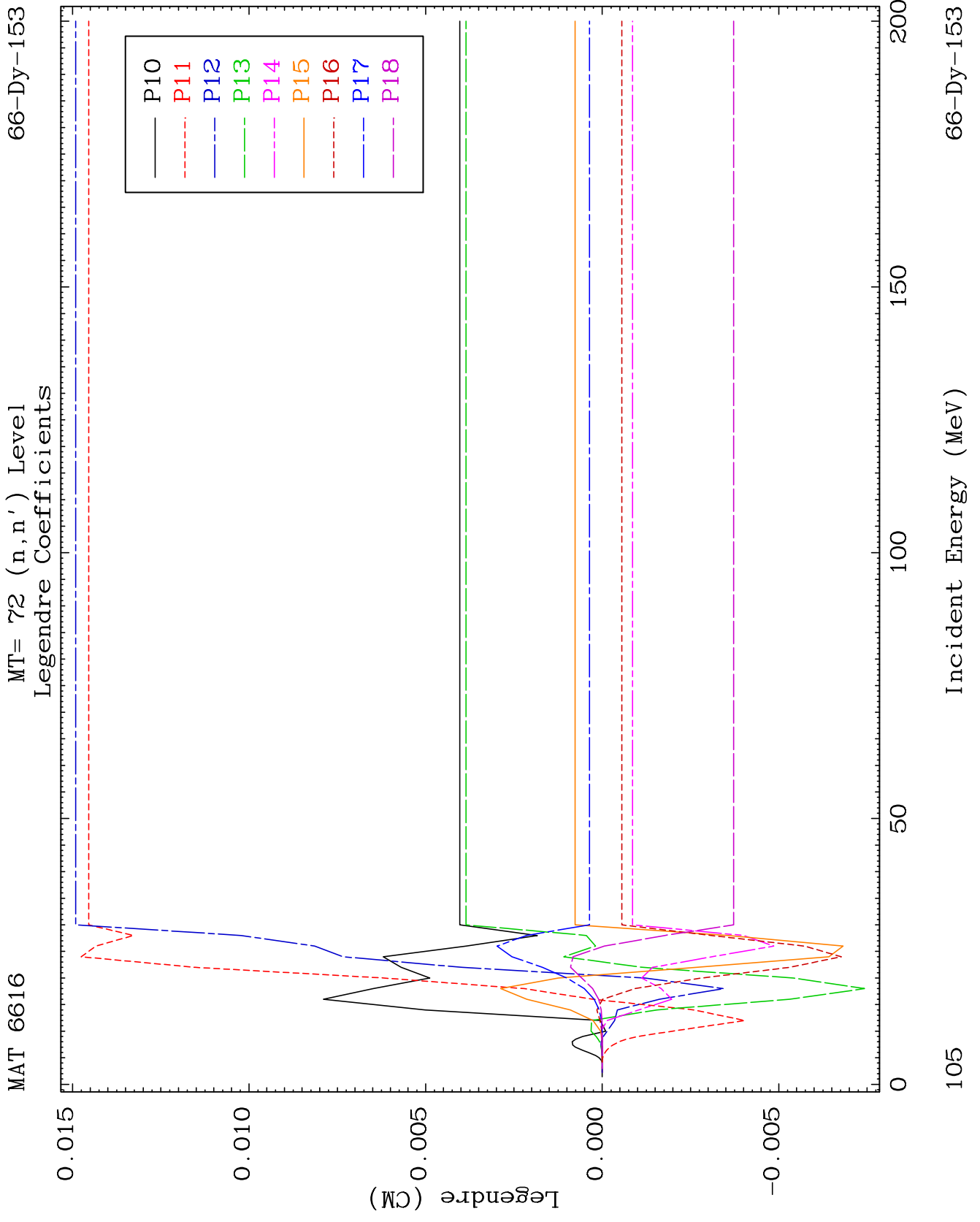
66-Dy-153

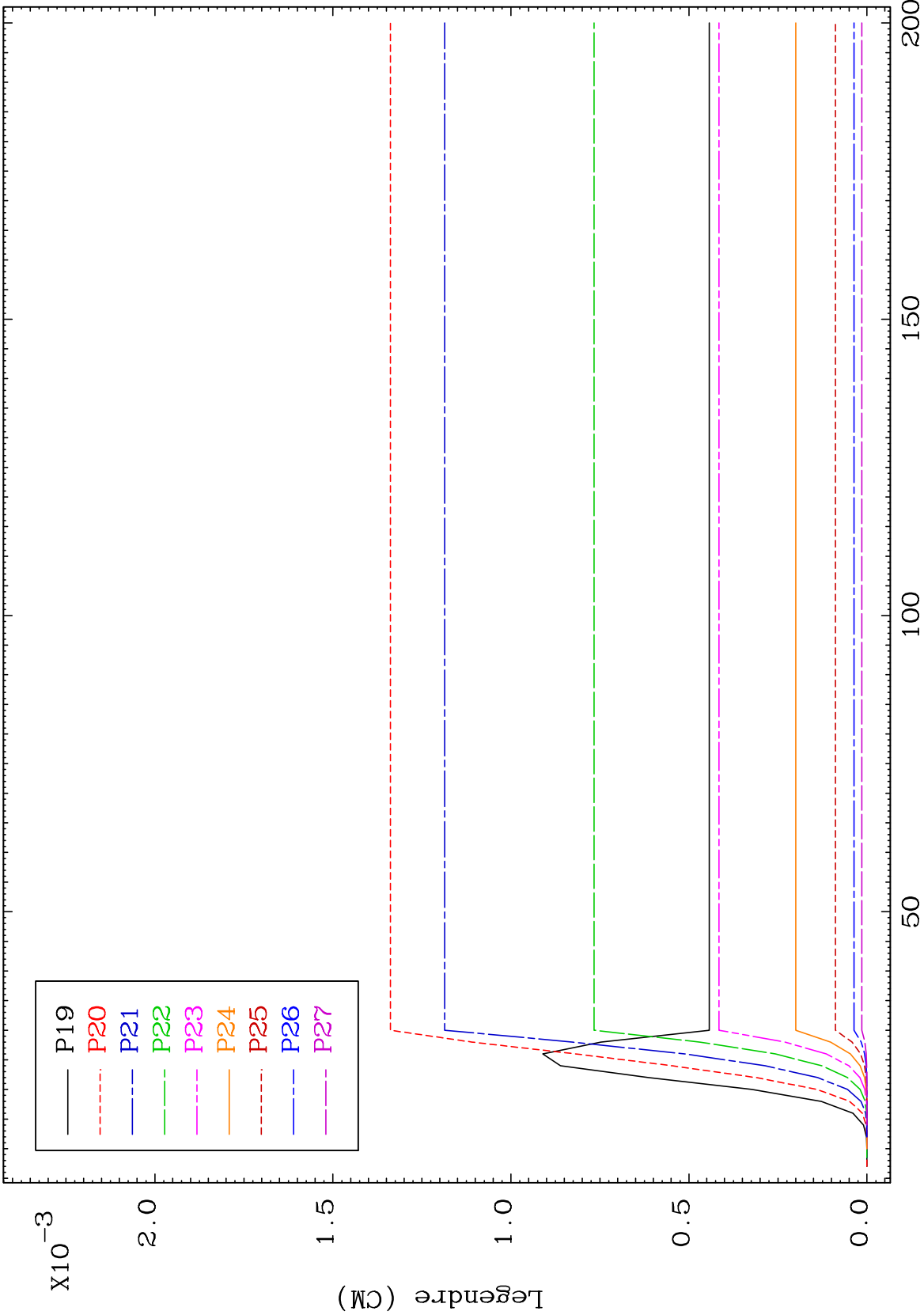


66-Dy-153

Incident Energy (MeV)

104

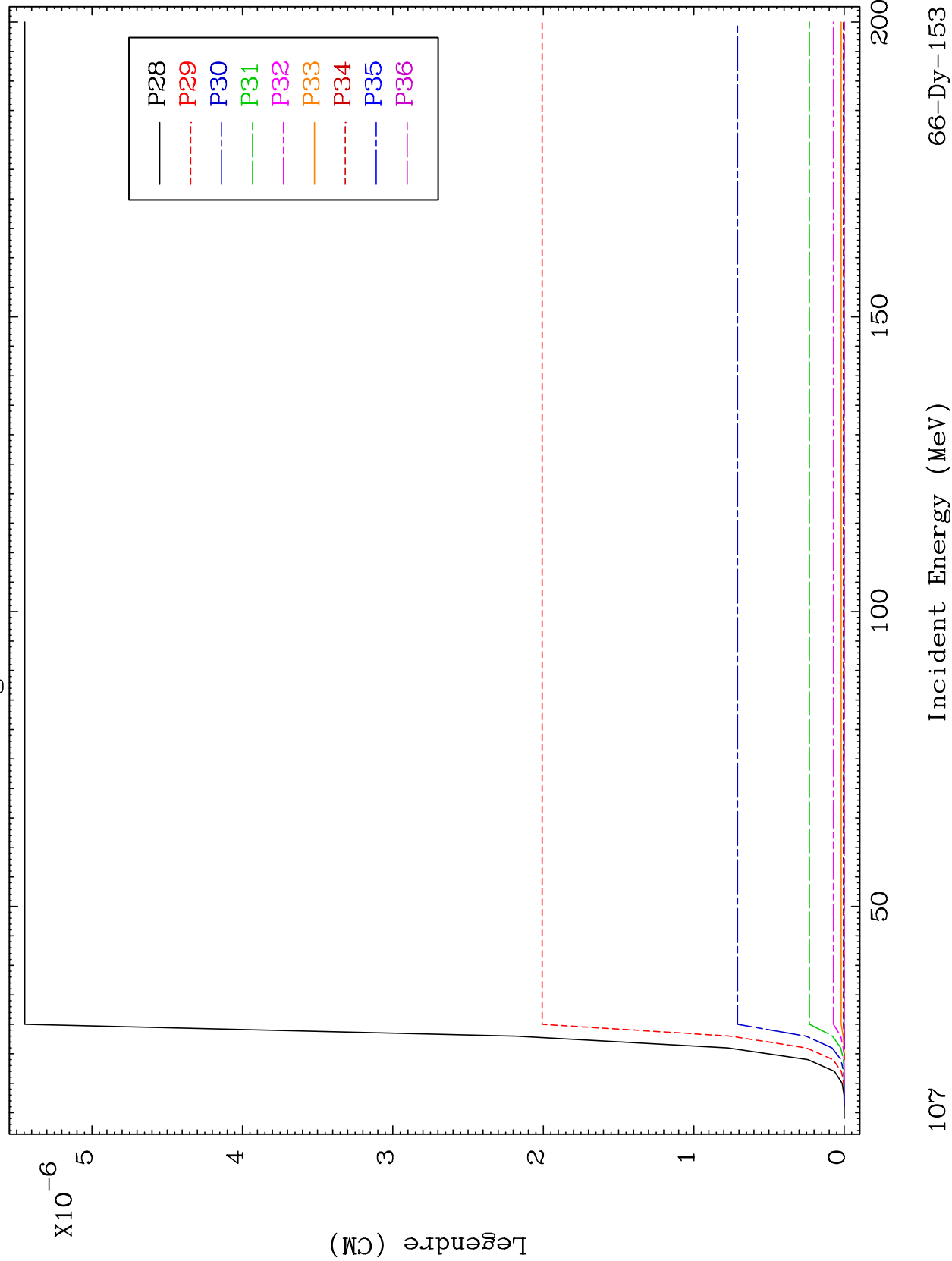




MAT 6616

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

66-Dy-153

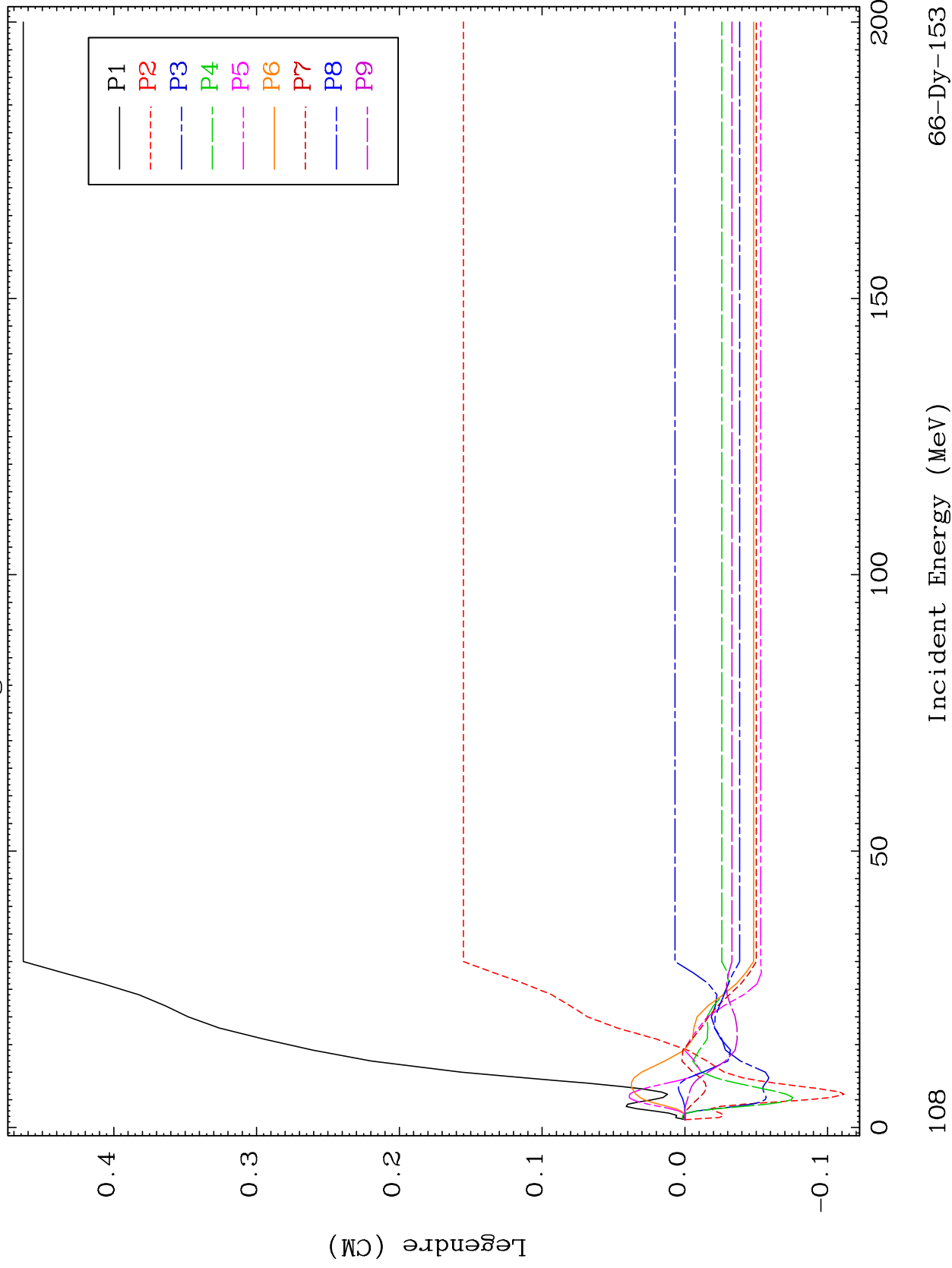


107

MAT 6616

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

66-Dy-153



66-Dy-153

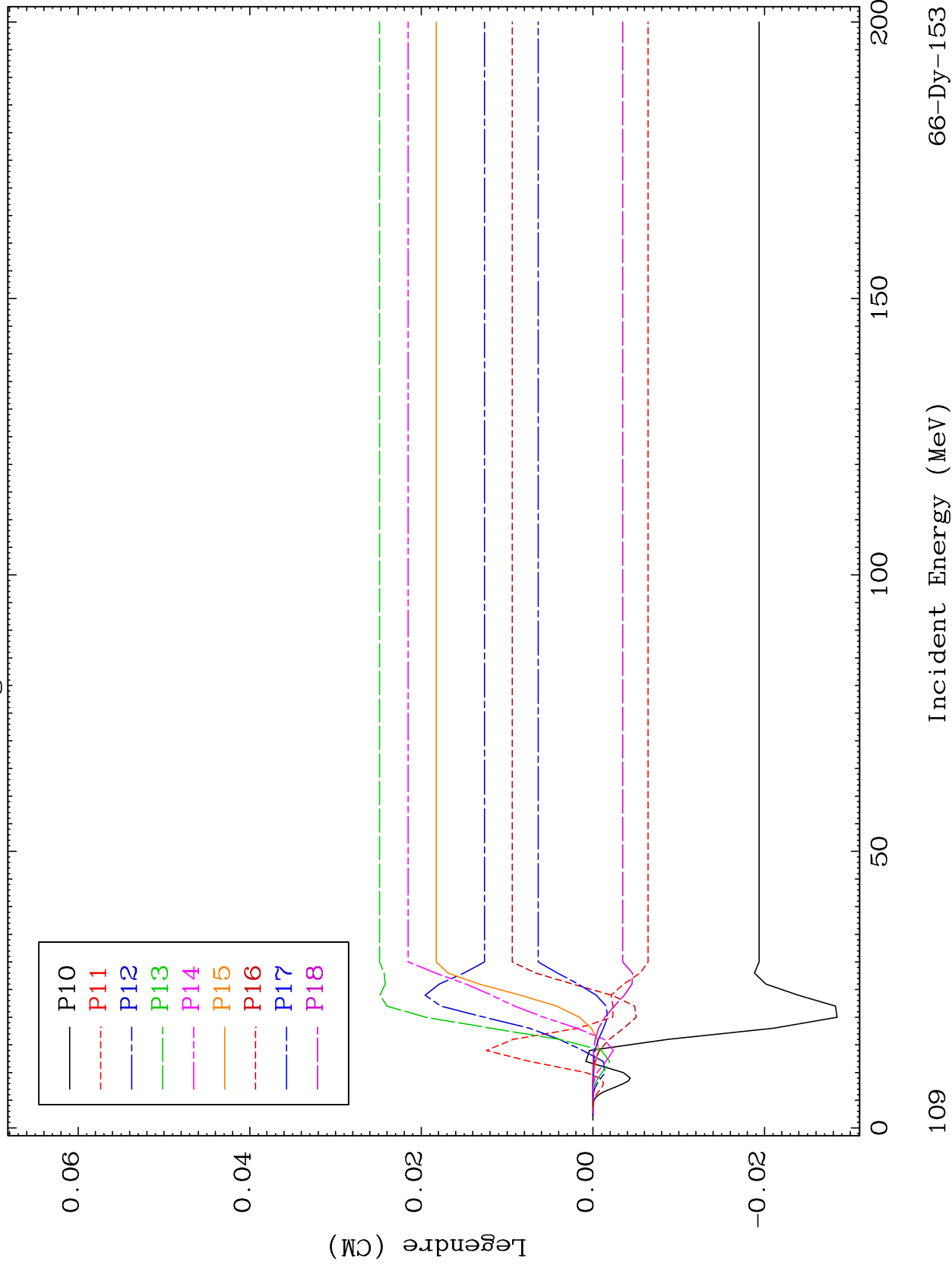
Incident Energy (MeV)

108

MAT 6616

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

66-Dy-153



109

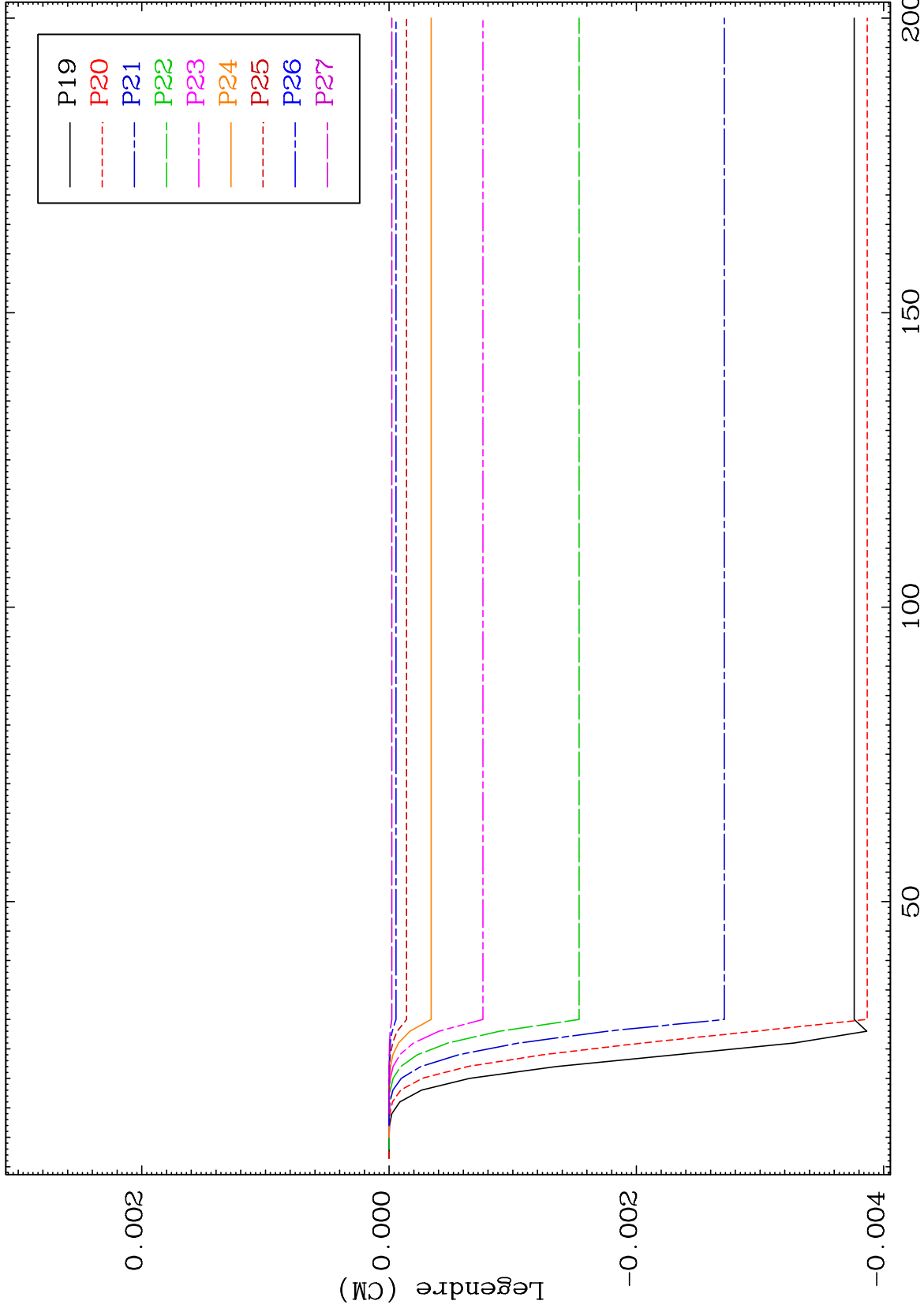
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



110

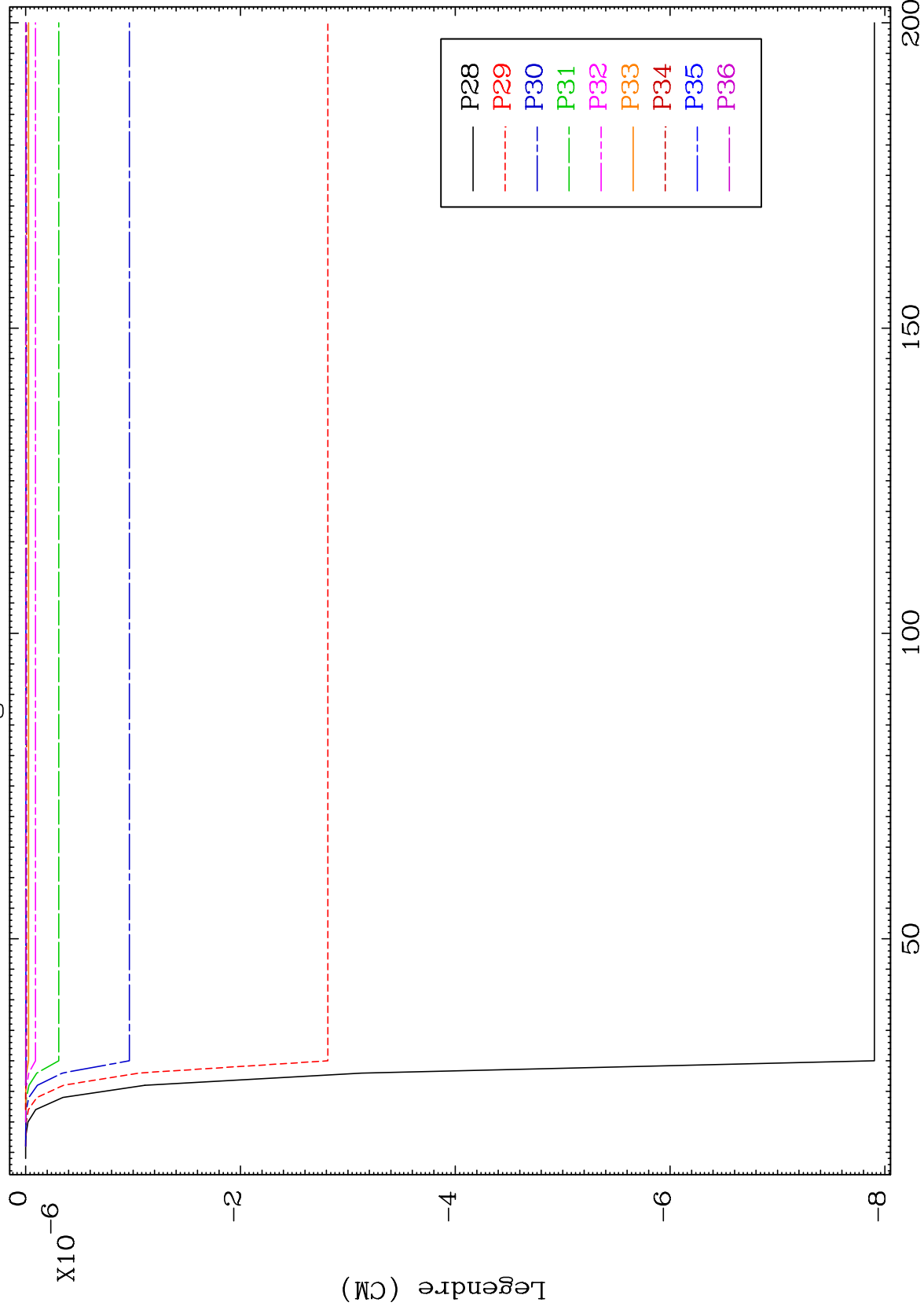
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



111

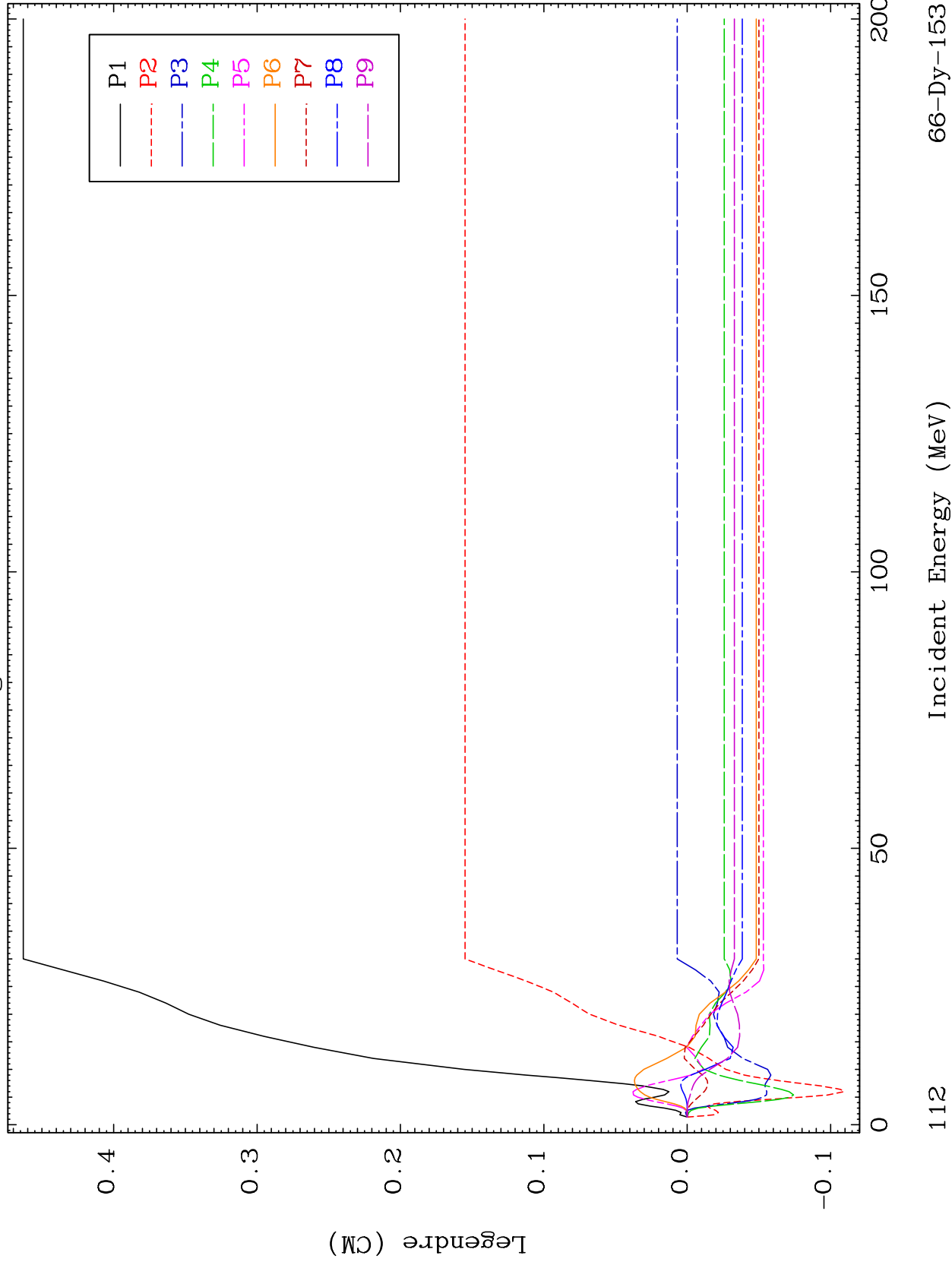
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

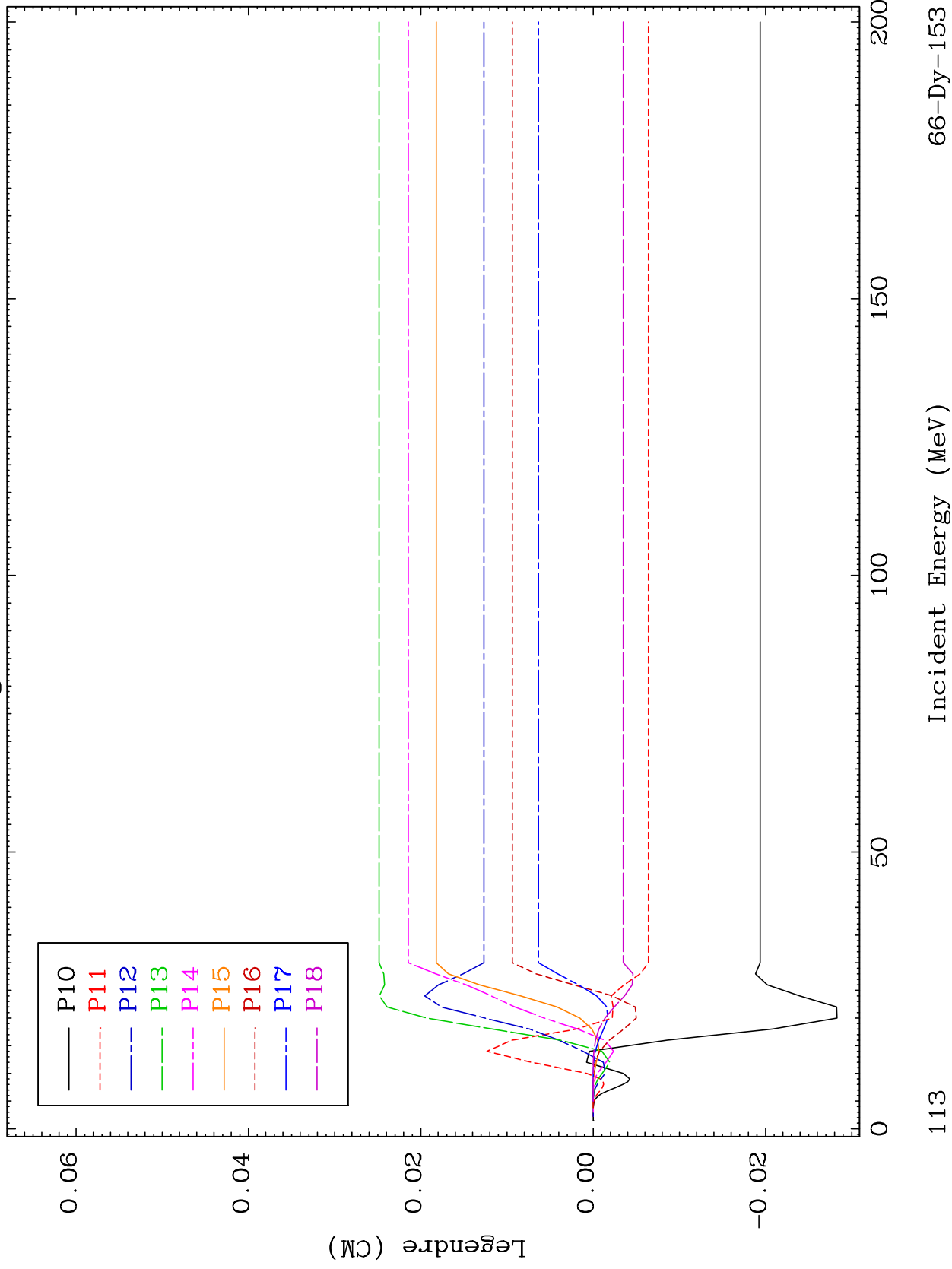
Incident Energy (MeV)

112

MAT 6616

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

66-Dy-153



113

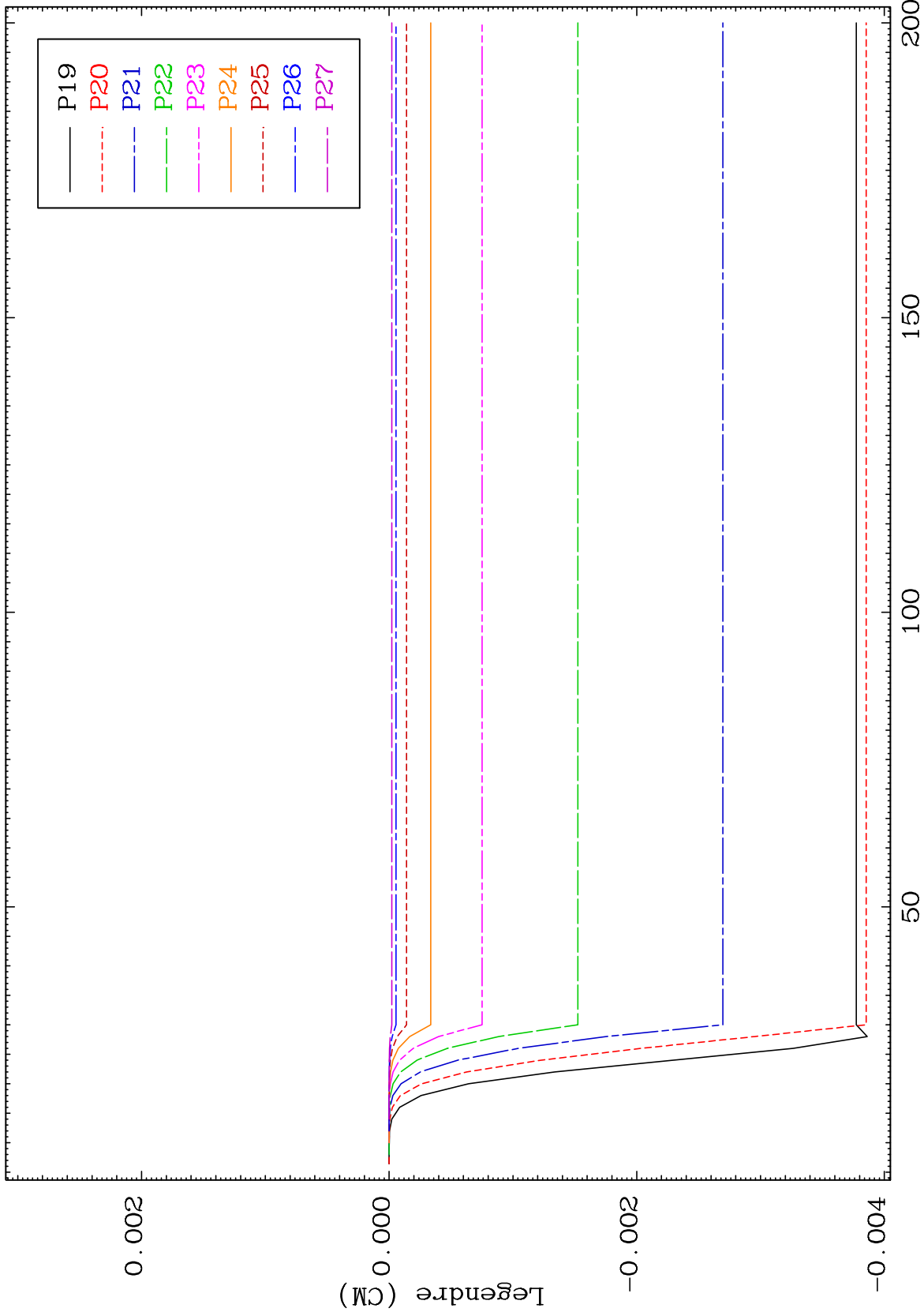
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



114

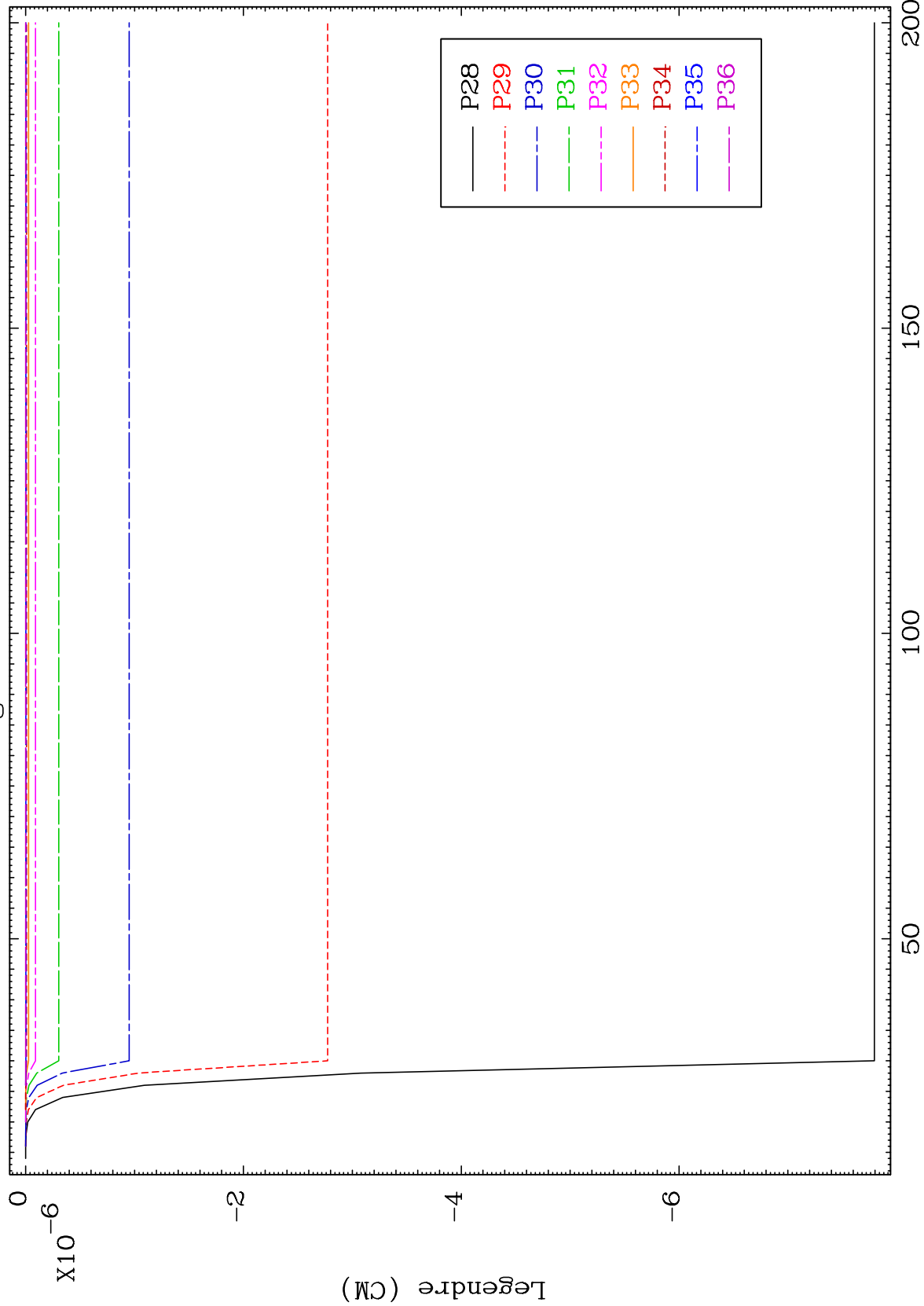
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



115

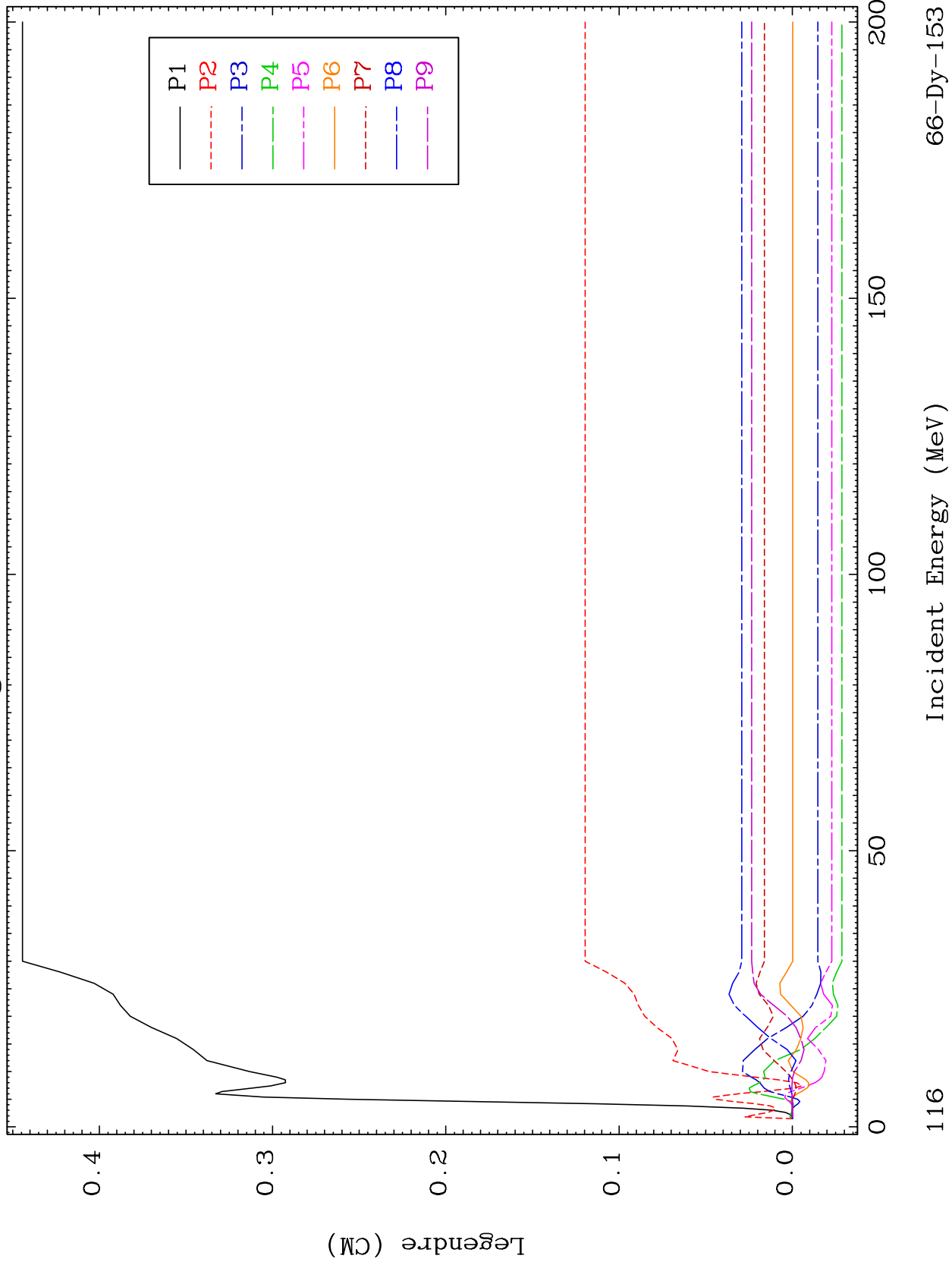
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

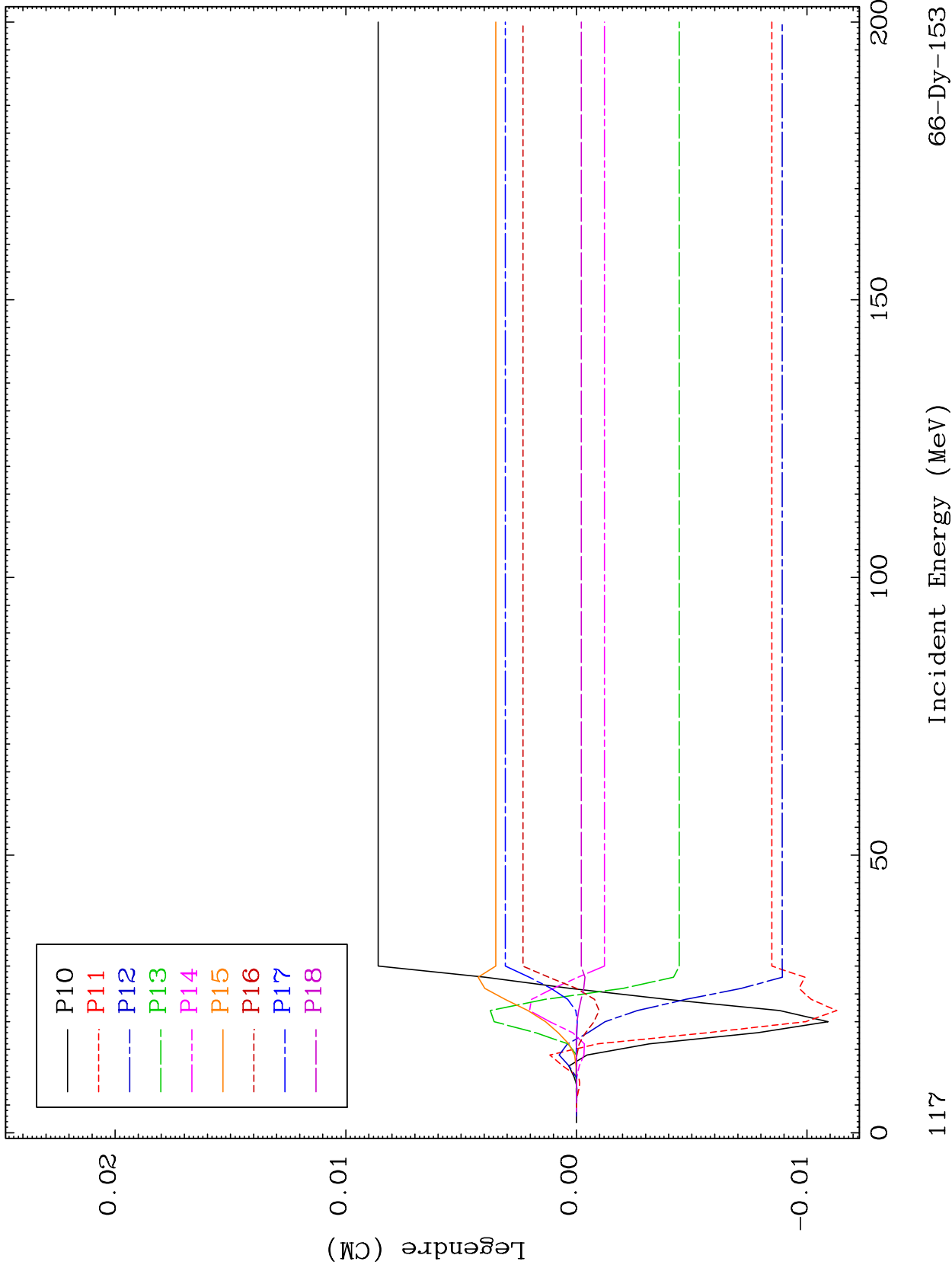
Incident Energy (MeV)

116

MAT 6616

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

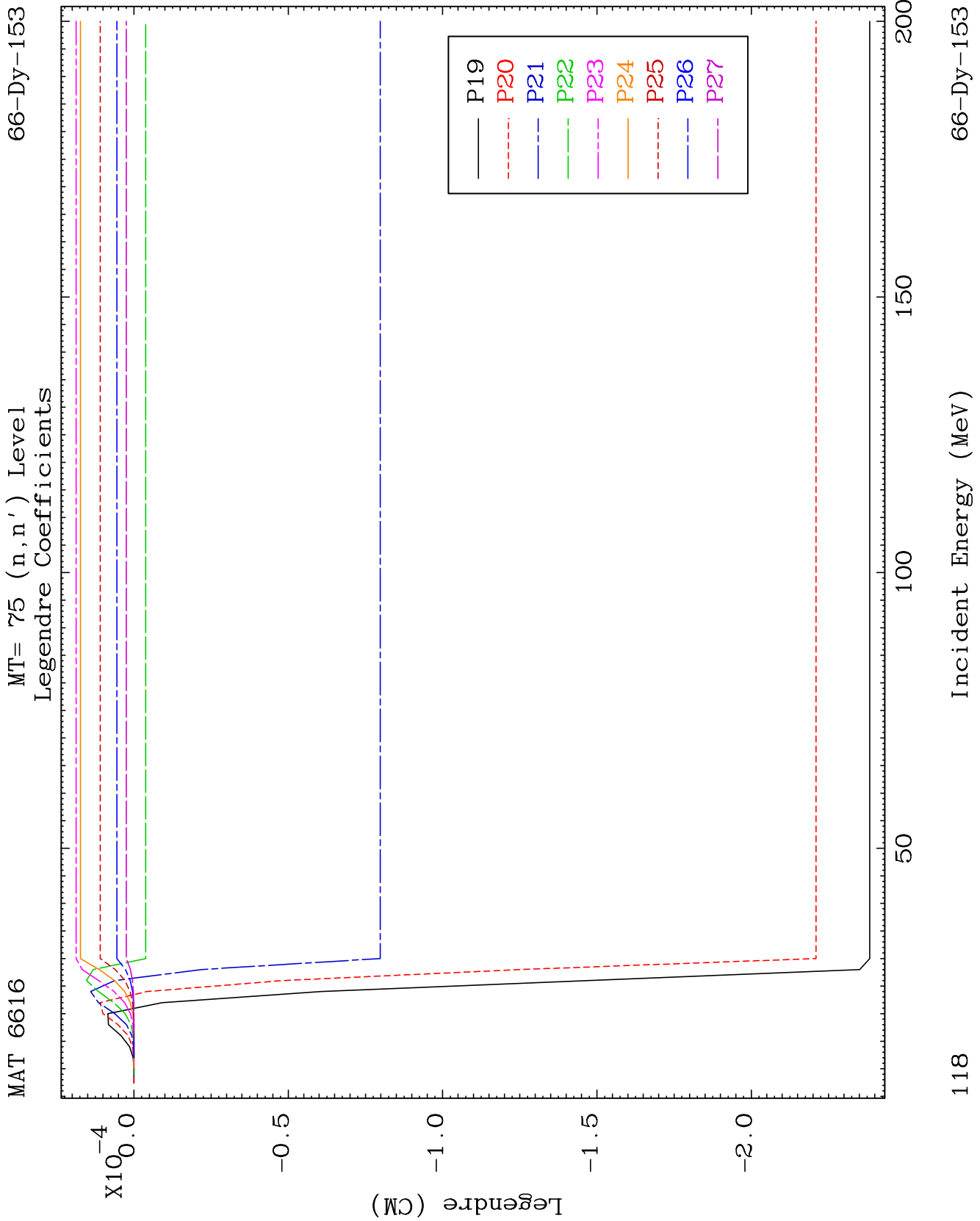
66-Dy-153



117

Incident Energy (MeV)

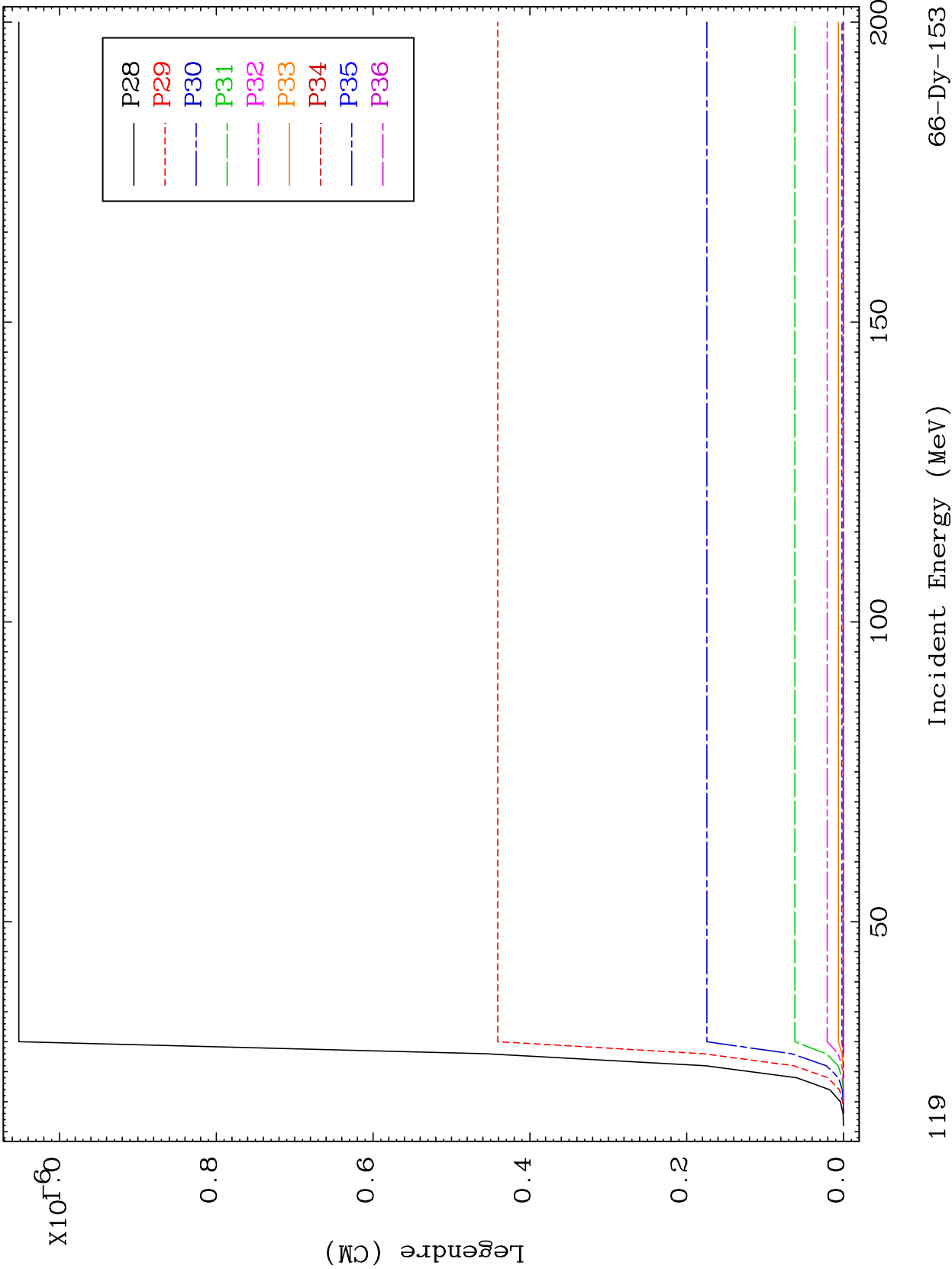
66-Dy-153



MAT 6616

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

66-Dy-153



119

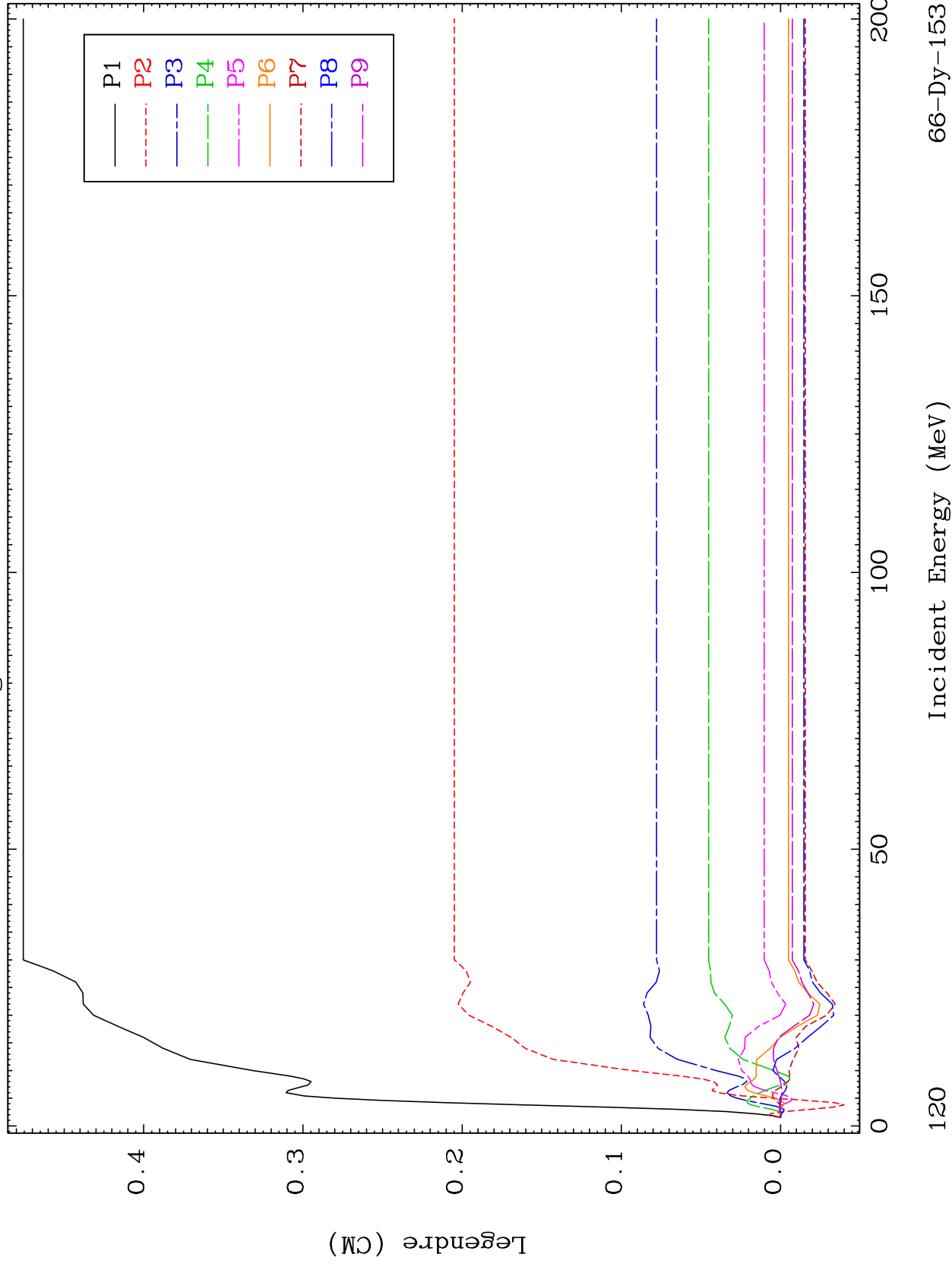
Incident Energy (MeV)

66-Dy-153

MAT 6616

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

66-Dy-153



66-Dy-153

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

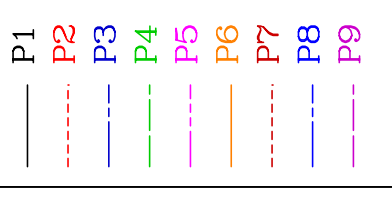
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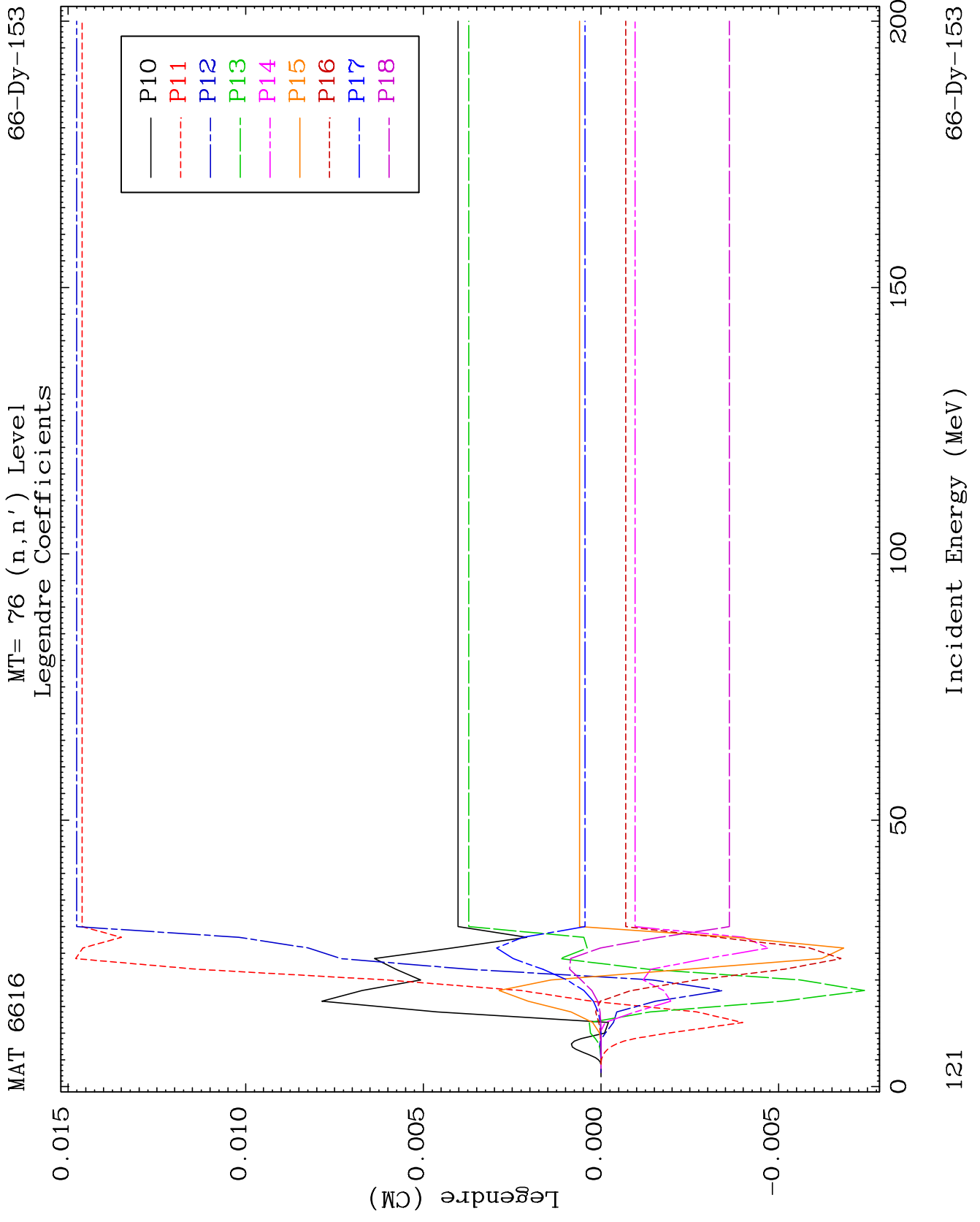
0.3

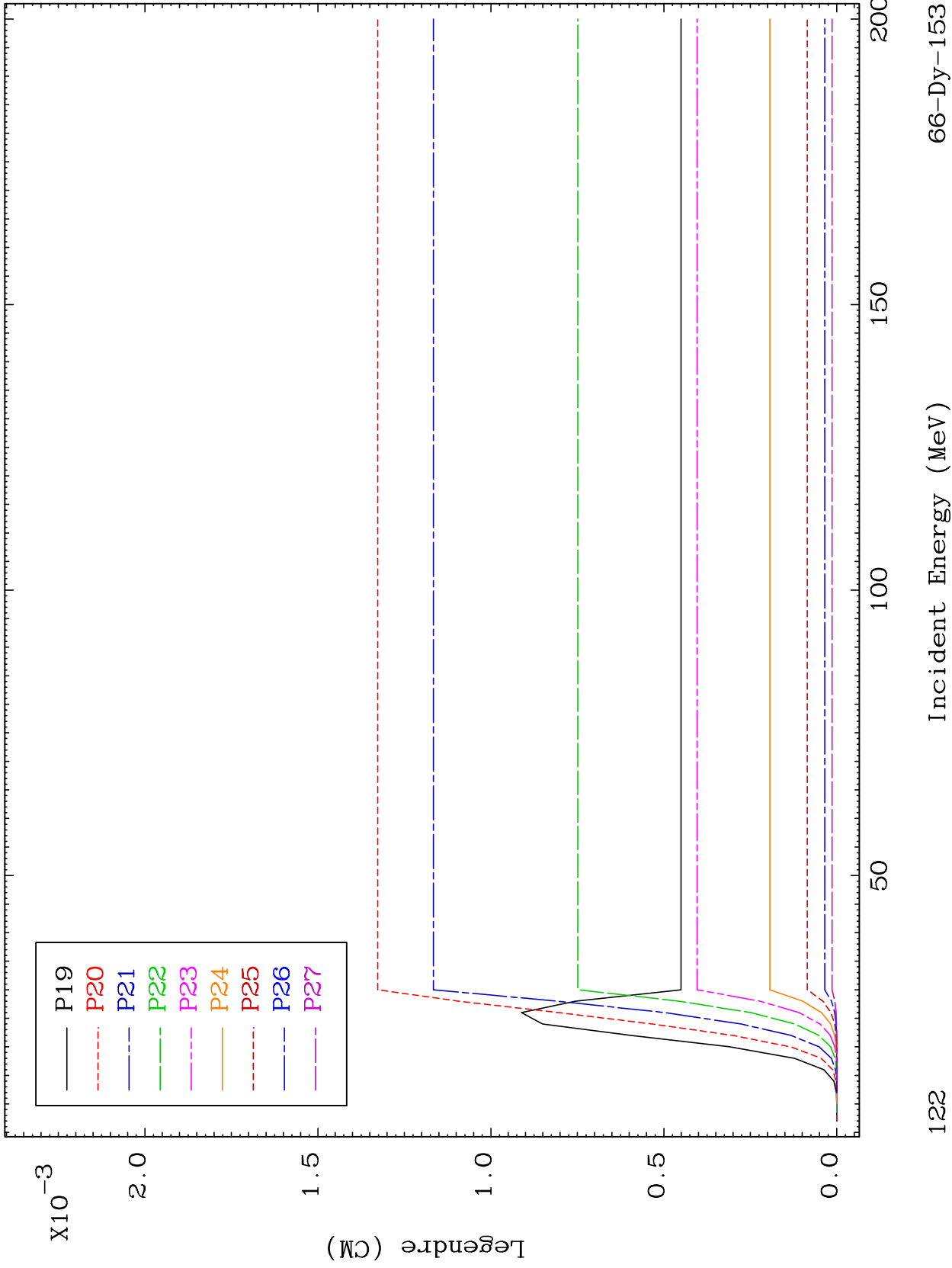
0.2

0.1

0.0



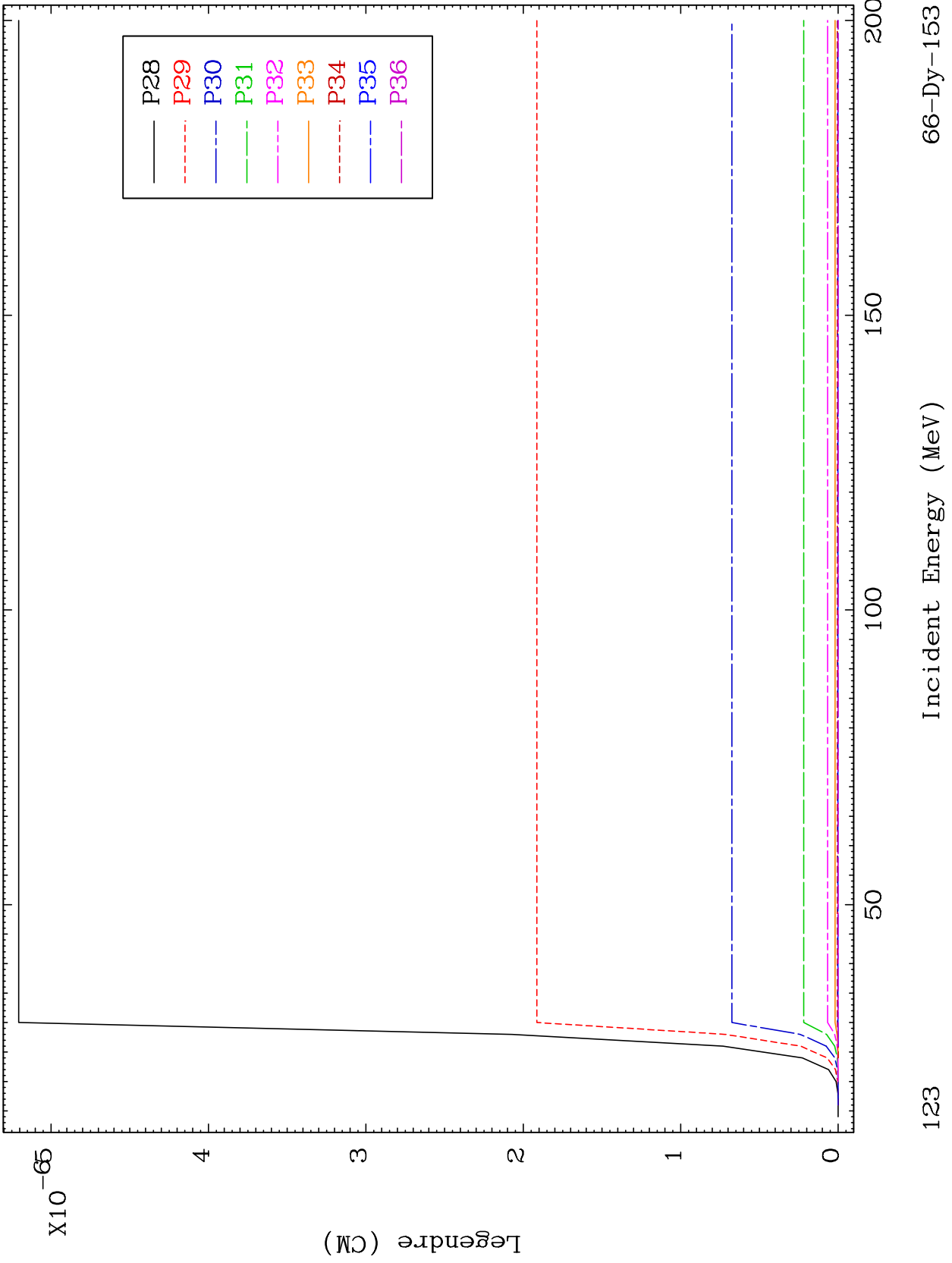




MAT 6616

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

66-Dy-153



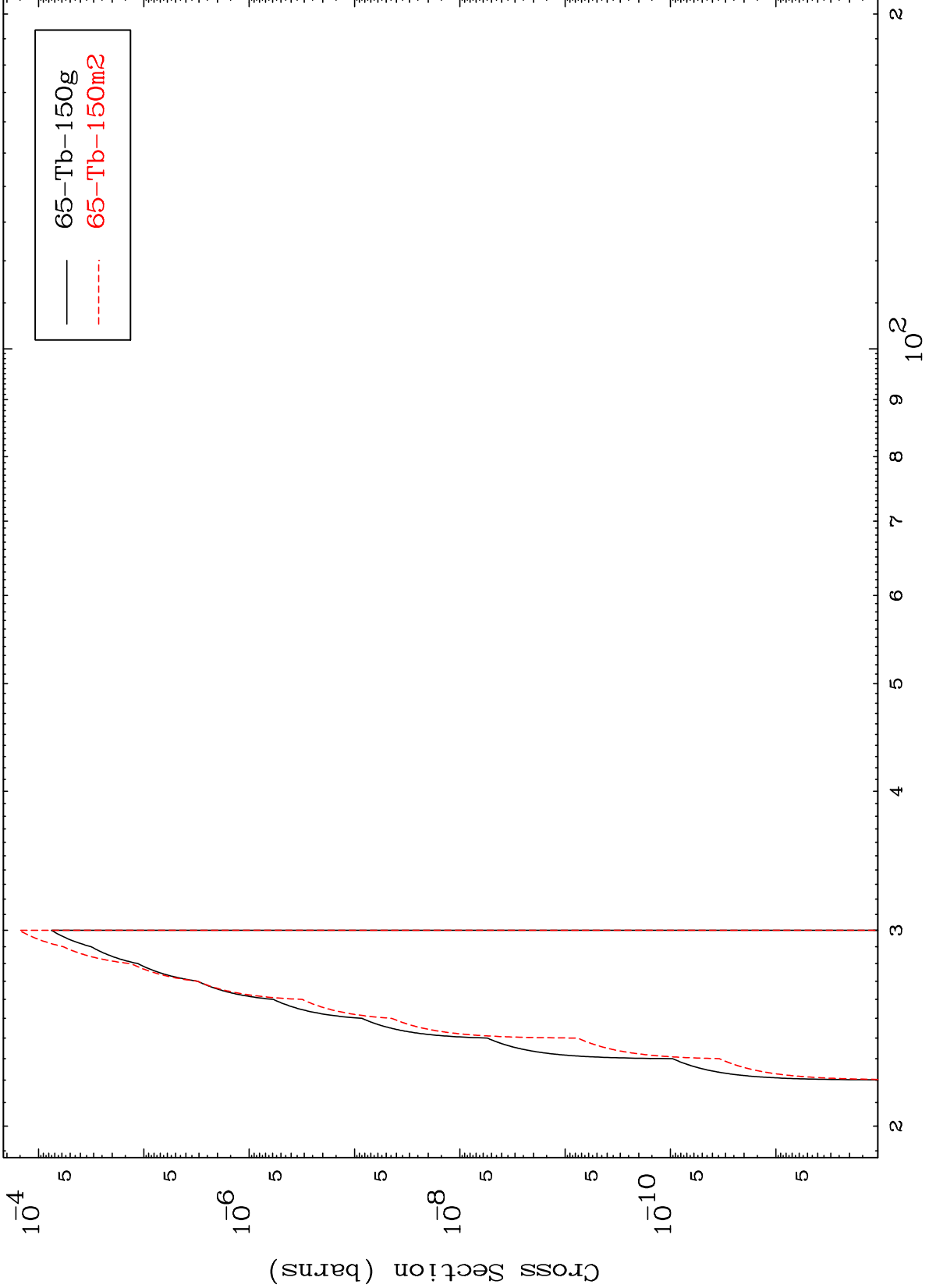
123

MAT 6616

(n,2n) d

66-Dy-153

Radionuclide Production Cross Section



65-Tb-150g
65-Tb-150m2

124

Incident Energy (MeV)

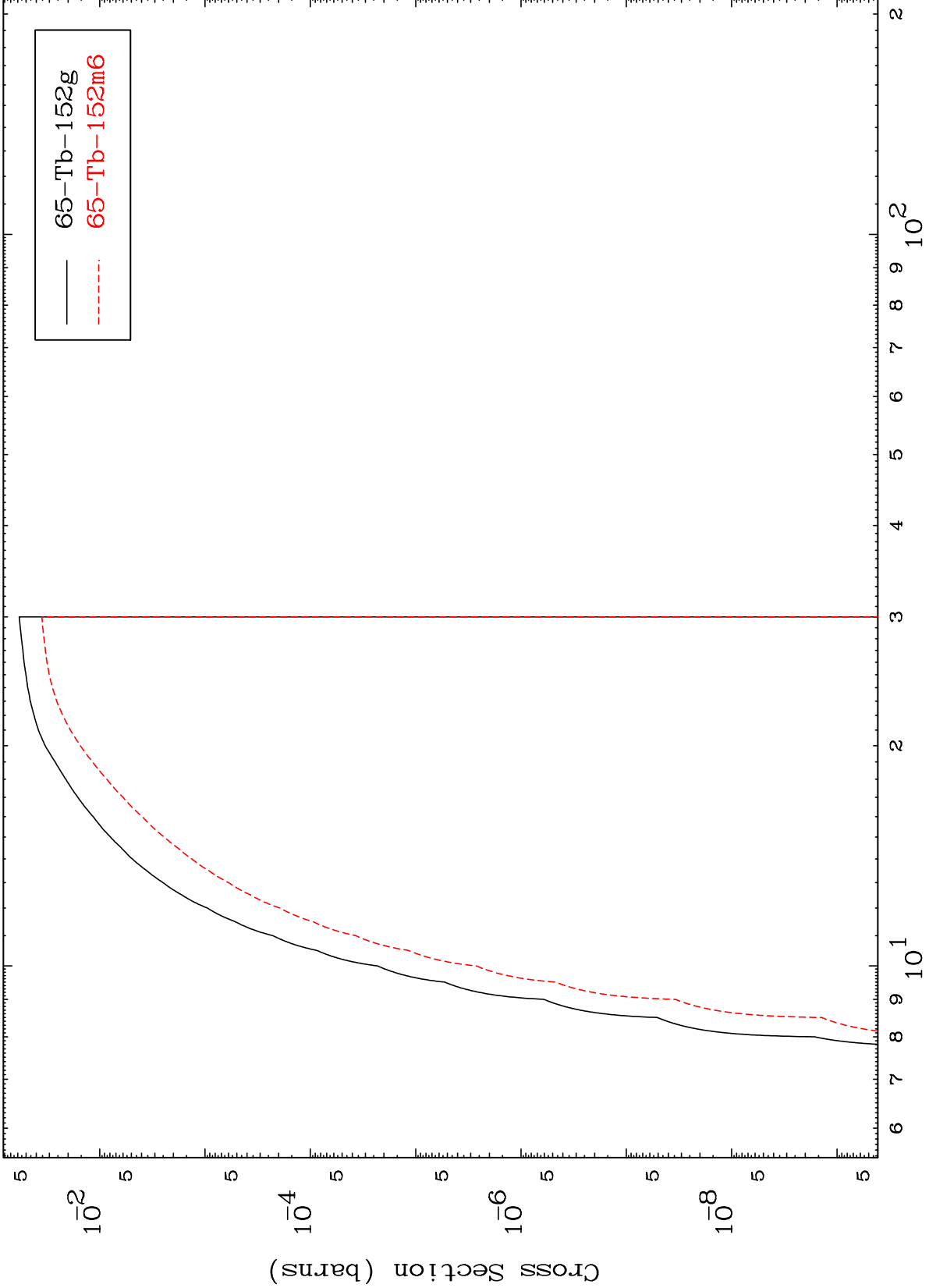
66-Dy-153

MAT 6616

(n,n') p

66-Dy-153

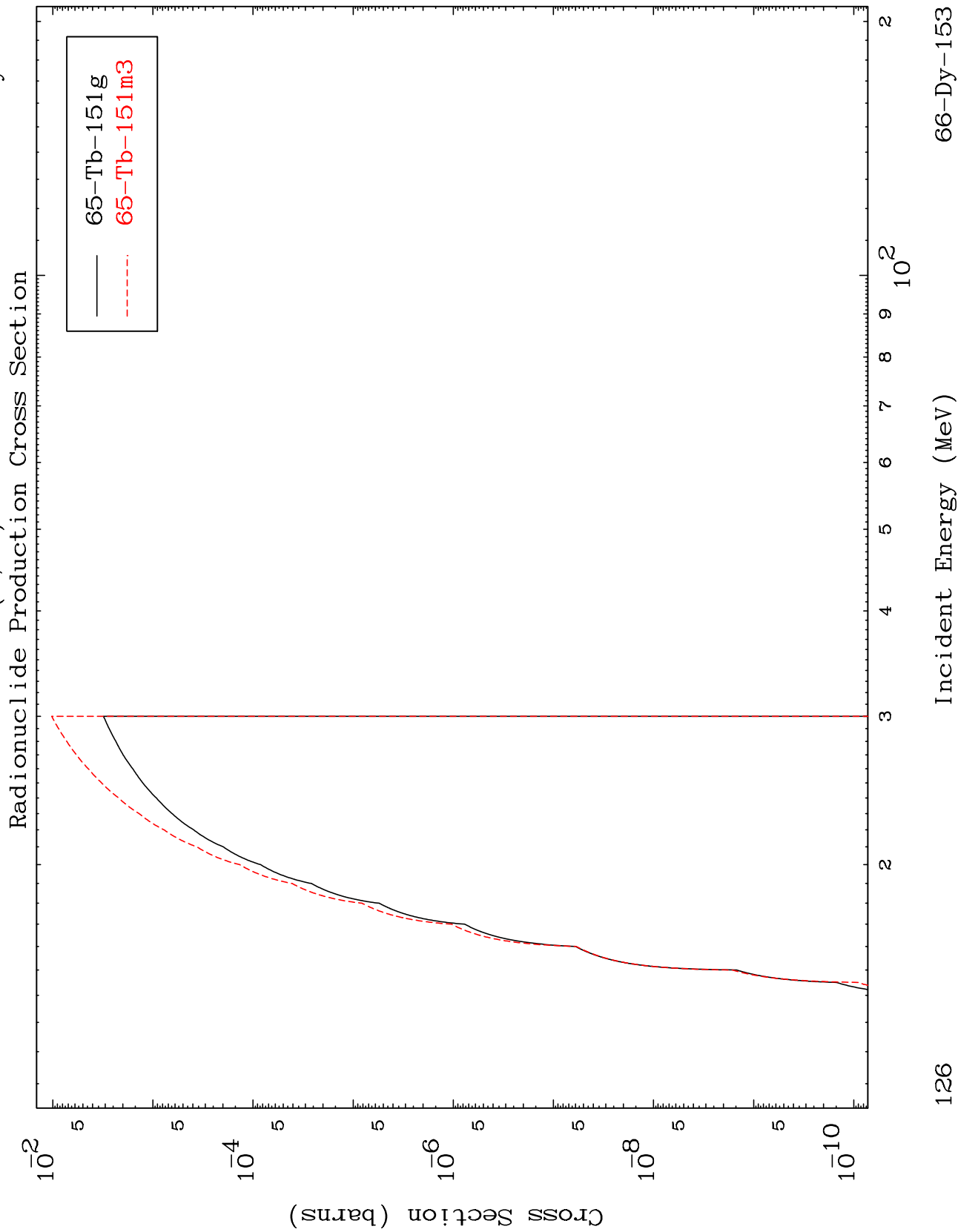
Radionuclide Production Cross Section

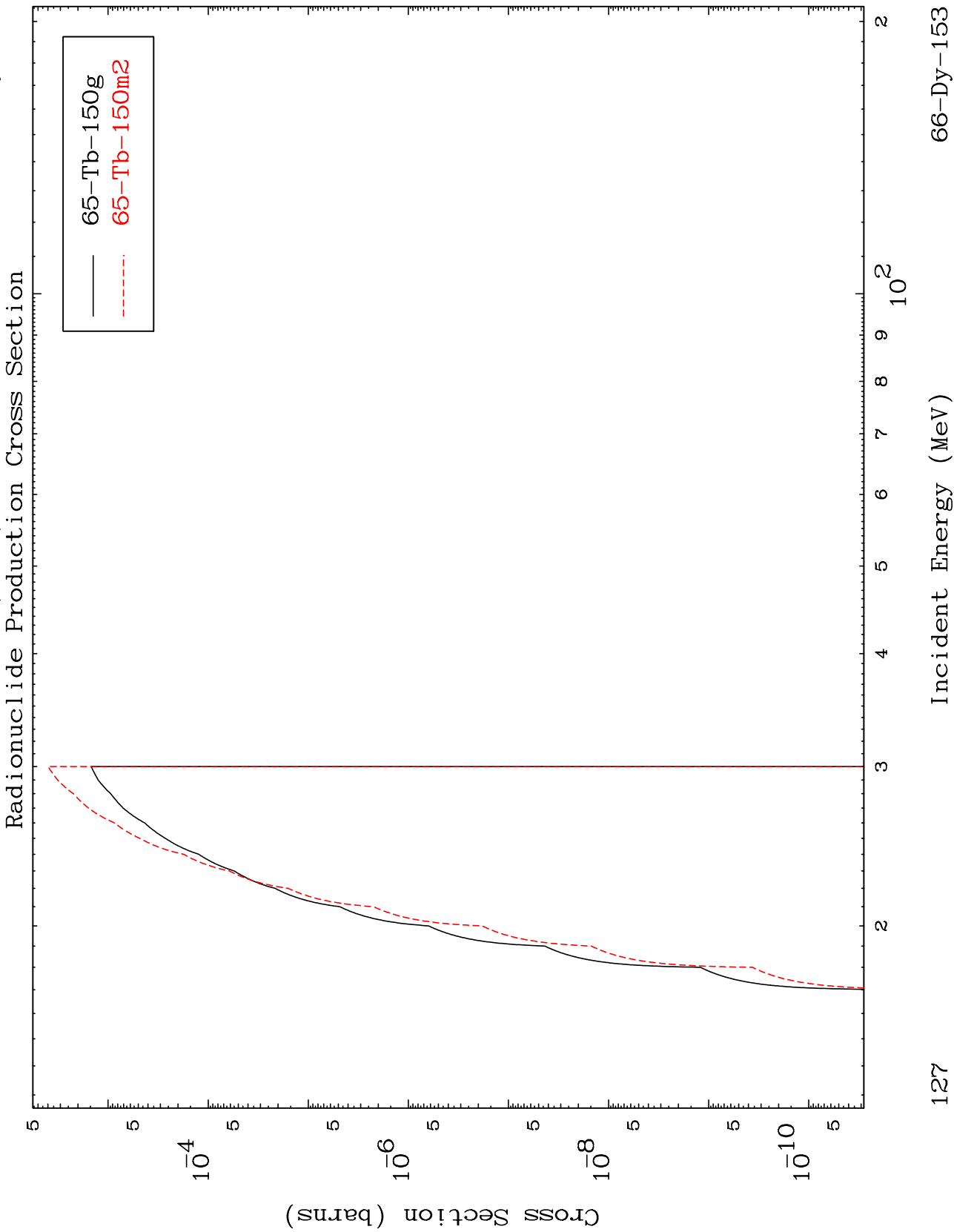


125

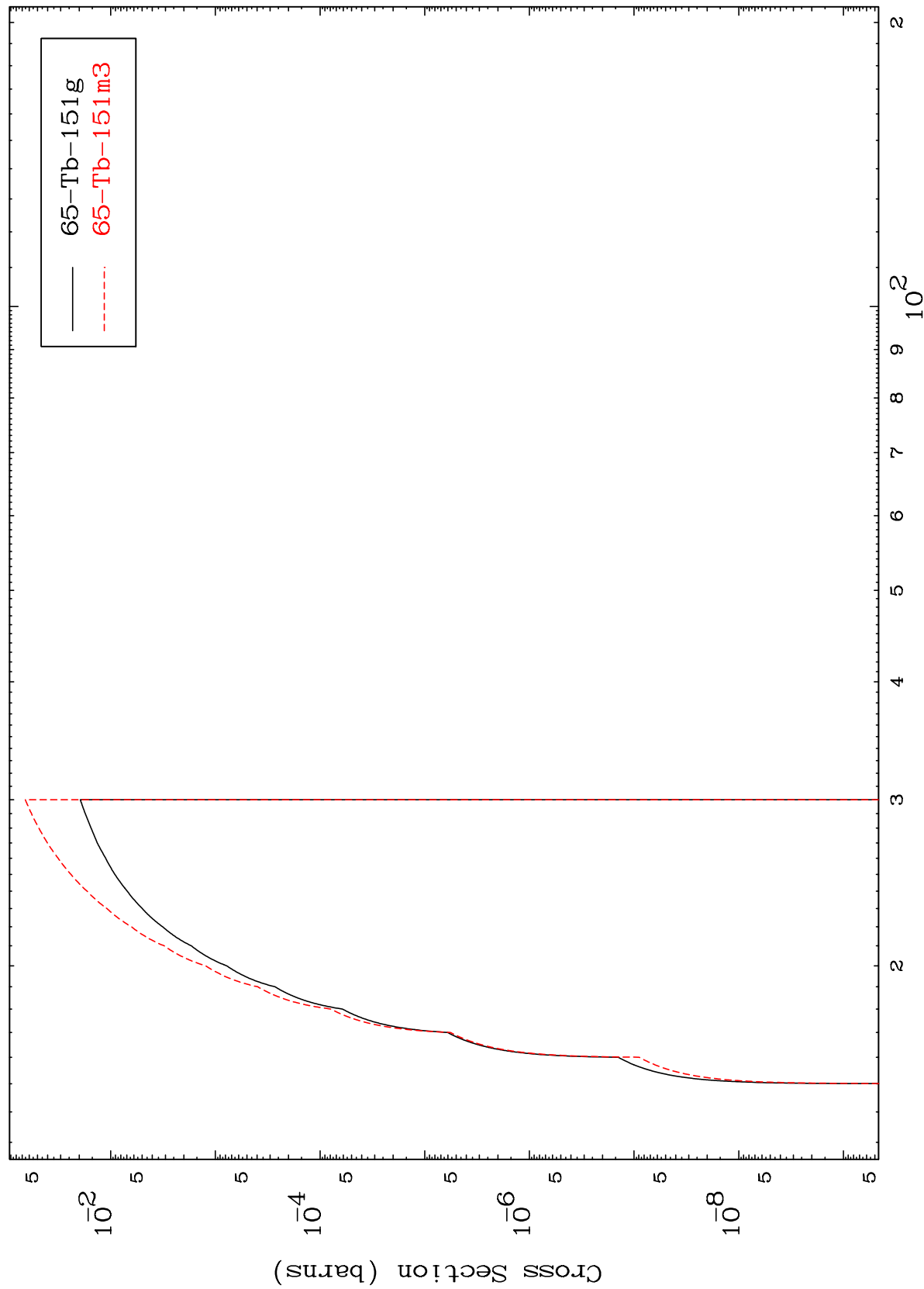
Incident Energy (MeV)

66-Dy-153

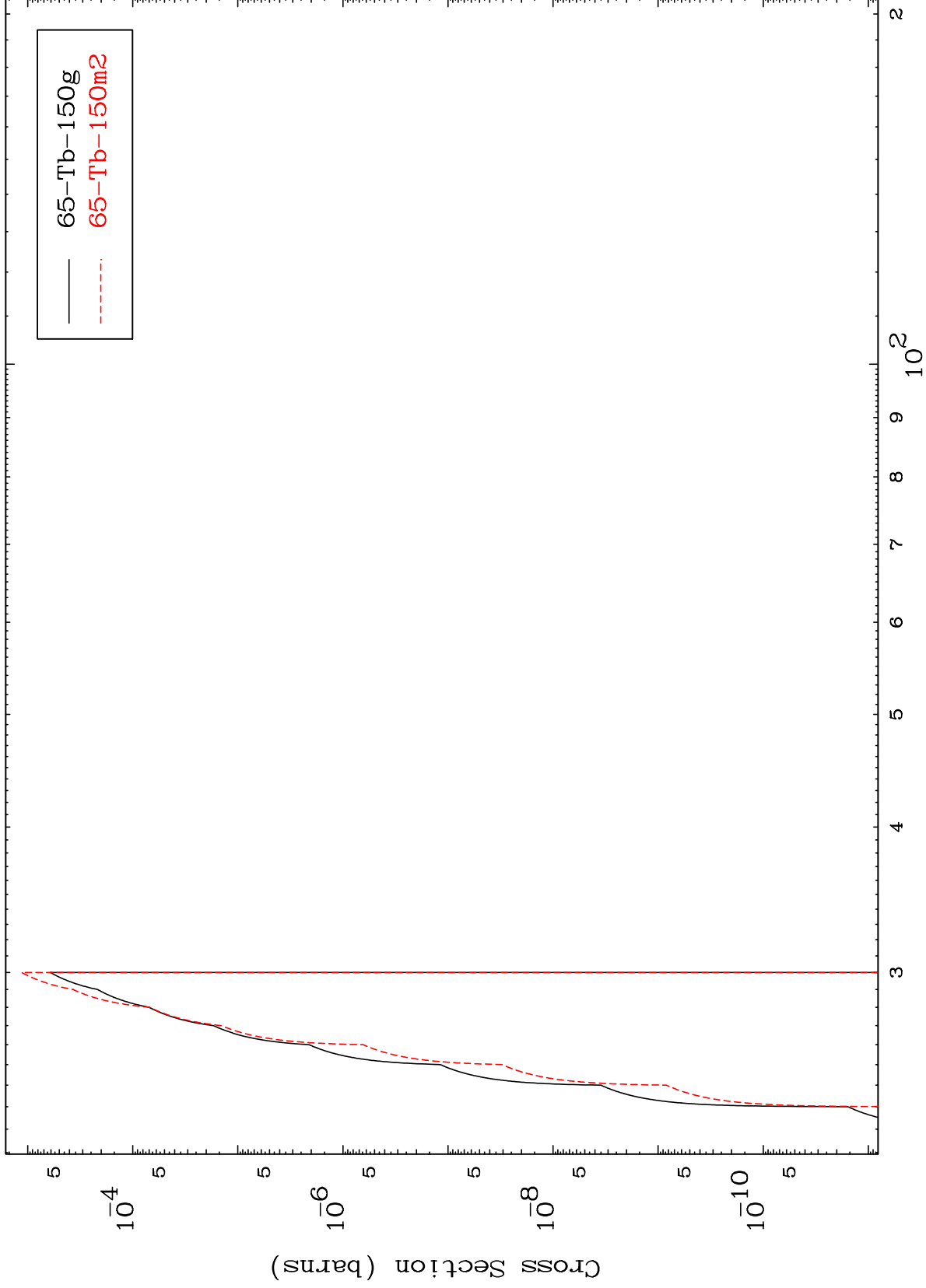




Radionuclide Production Cross Section



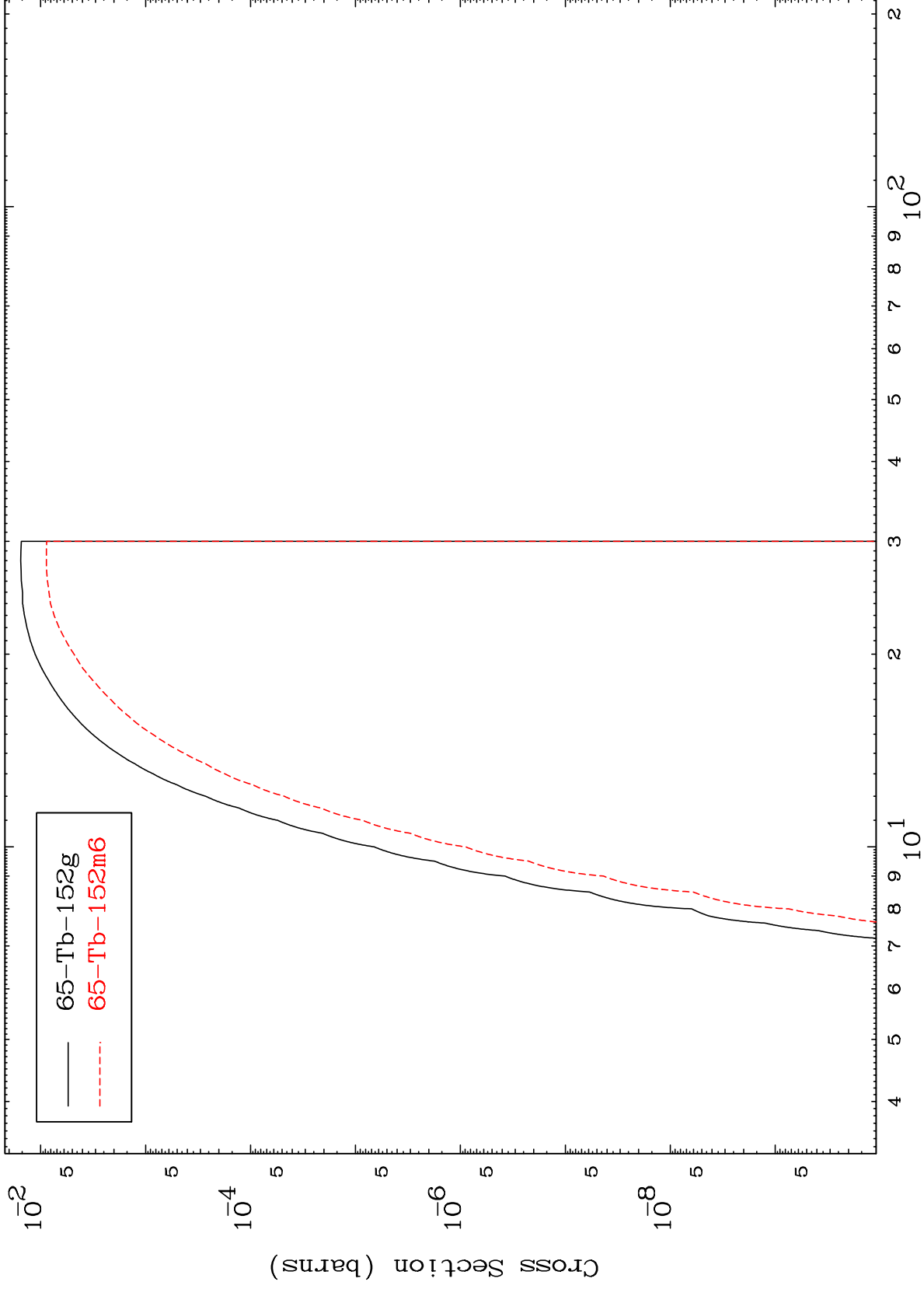
Radionuclide Production Cross Section



MAT 6616

66-Dy-153

(n,d)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

66-Dy-153

