

Program EVALPLOT
(Version 2021-1)

by

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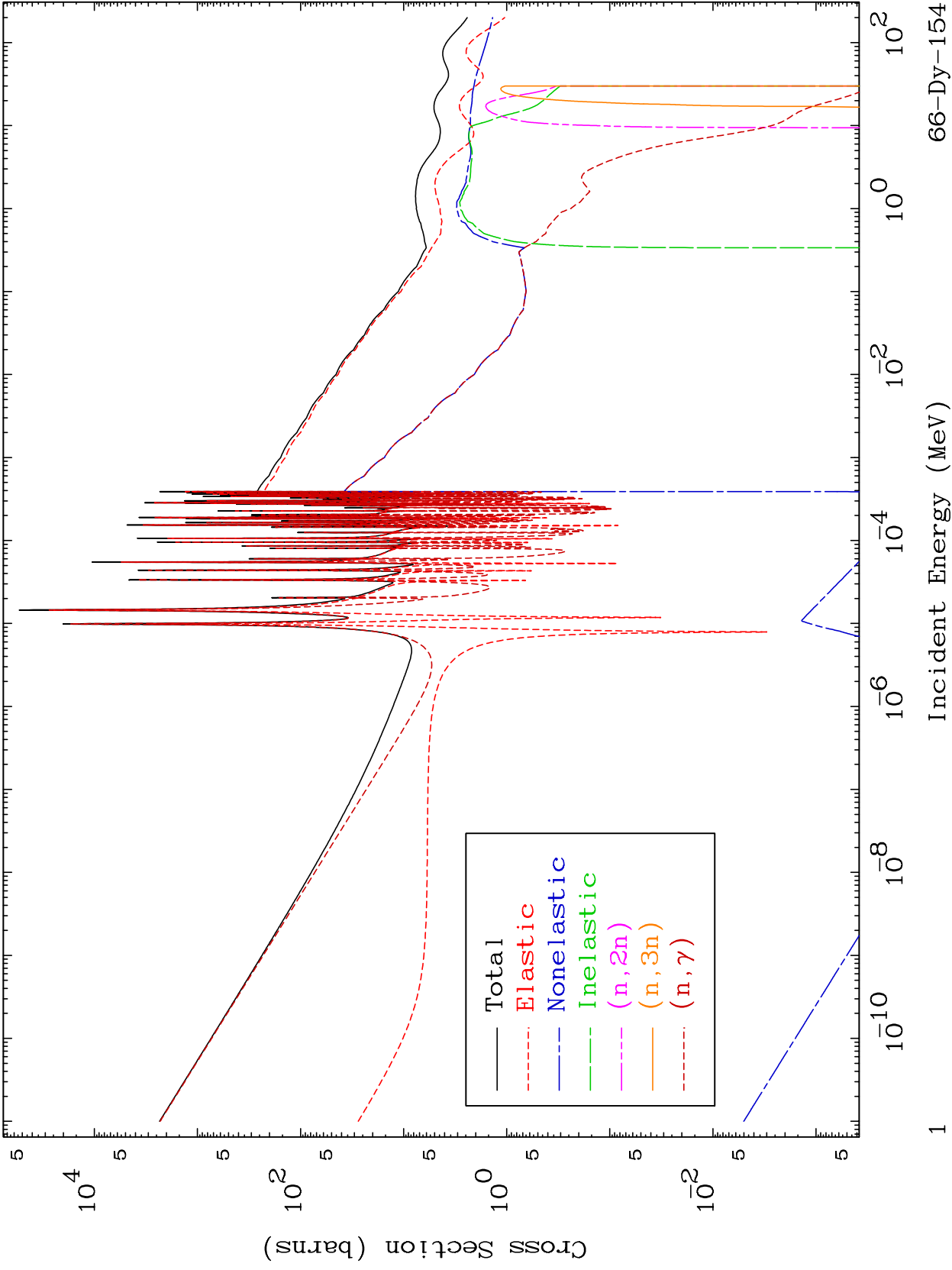
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Press Mouse Button to Start

MAT 6619

Neutron Major
293 Kelvin Cross Sections

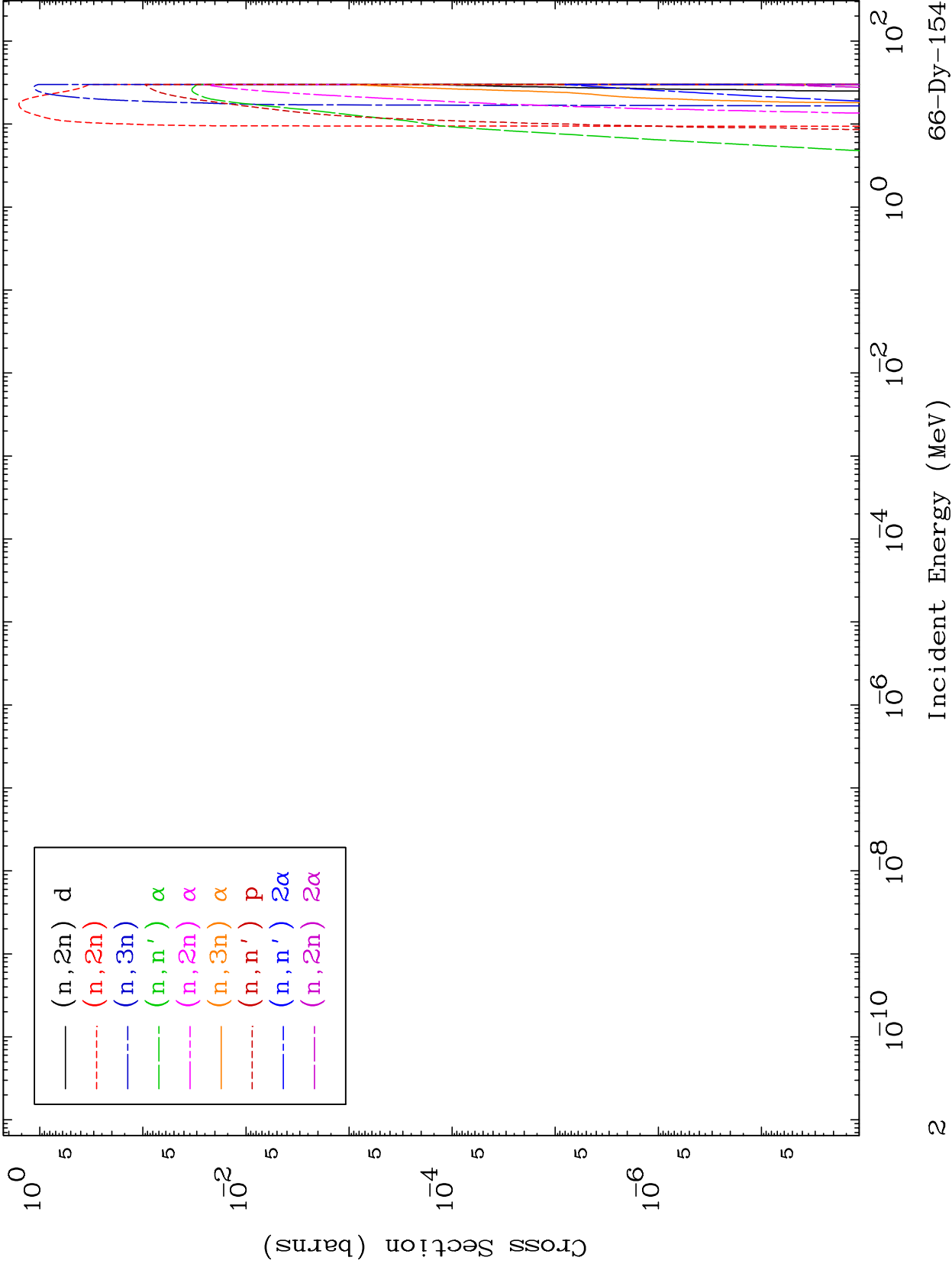
66-Dy-154



MAT 6619

Neutron Absorption
293 Kelvin Cross Sections

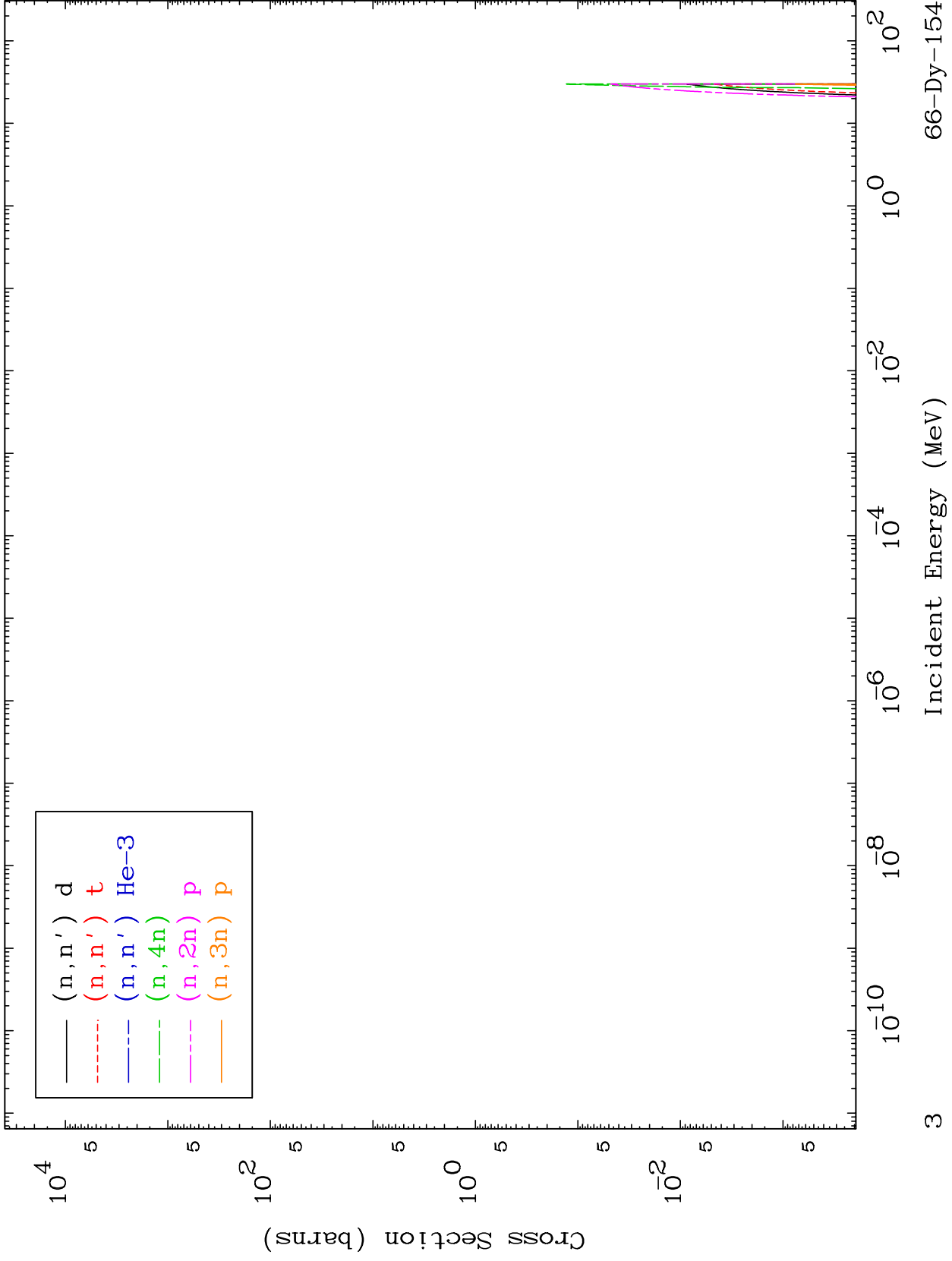
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MAT 6619

Neutron Absorption
293 Kelvin Cross Sections

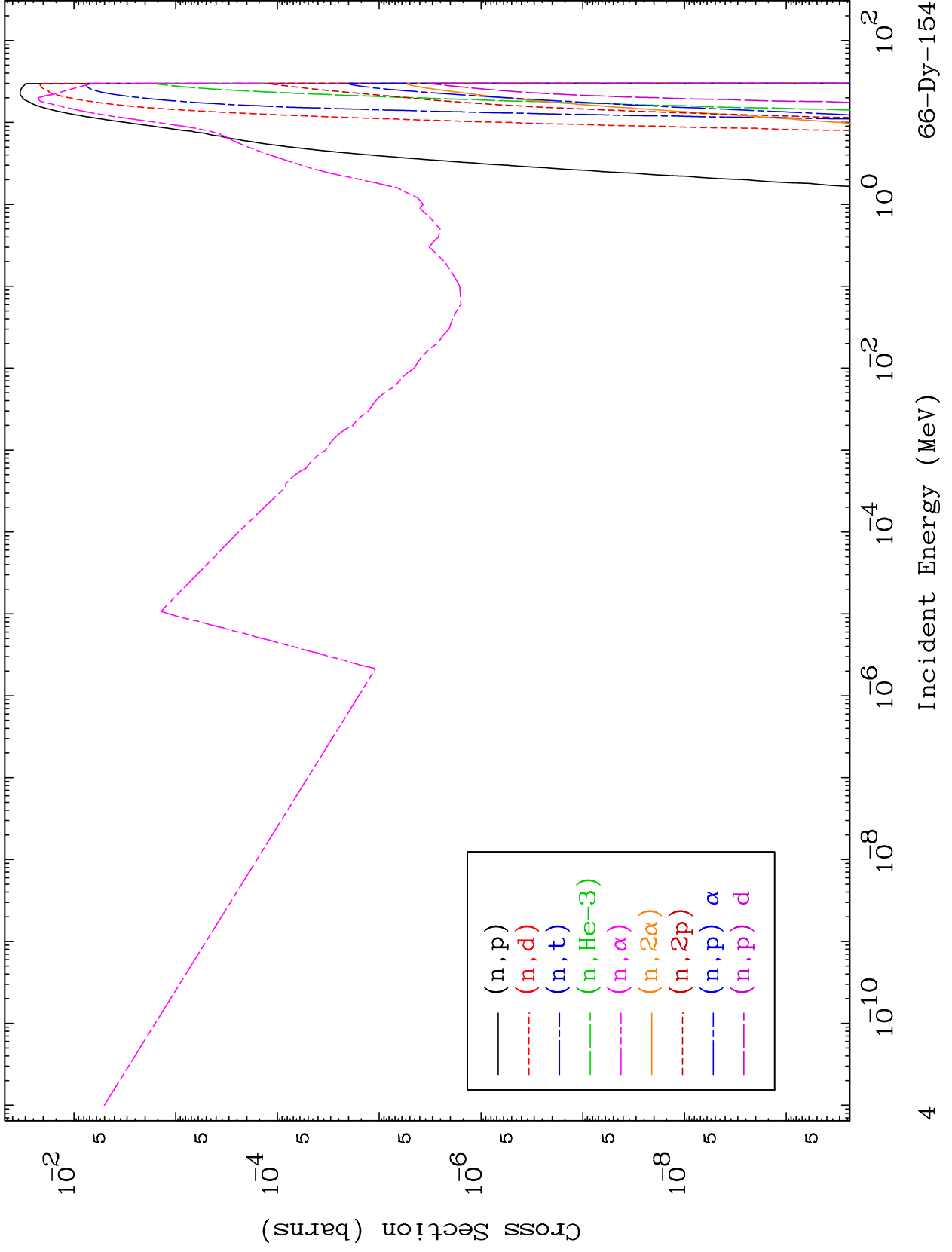
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MAT 6619

Neutron Absorption
293 Kelvin Cross Sections

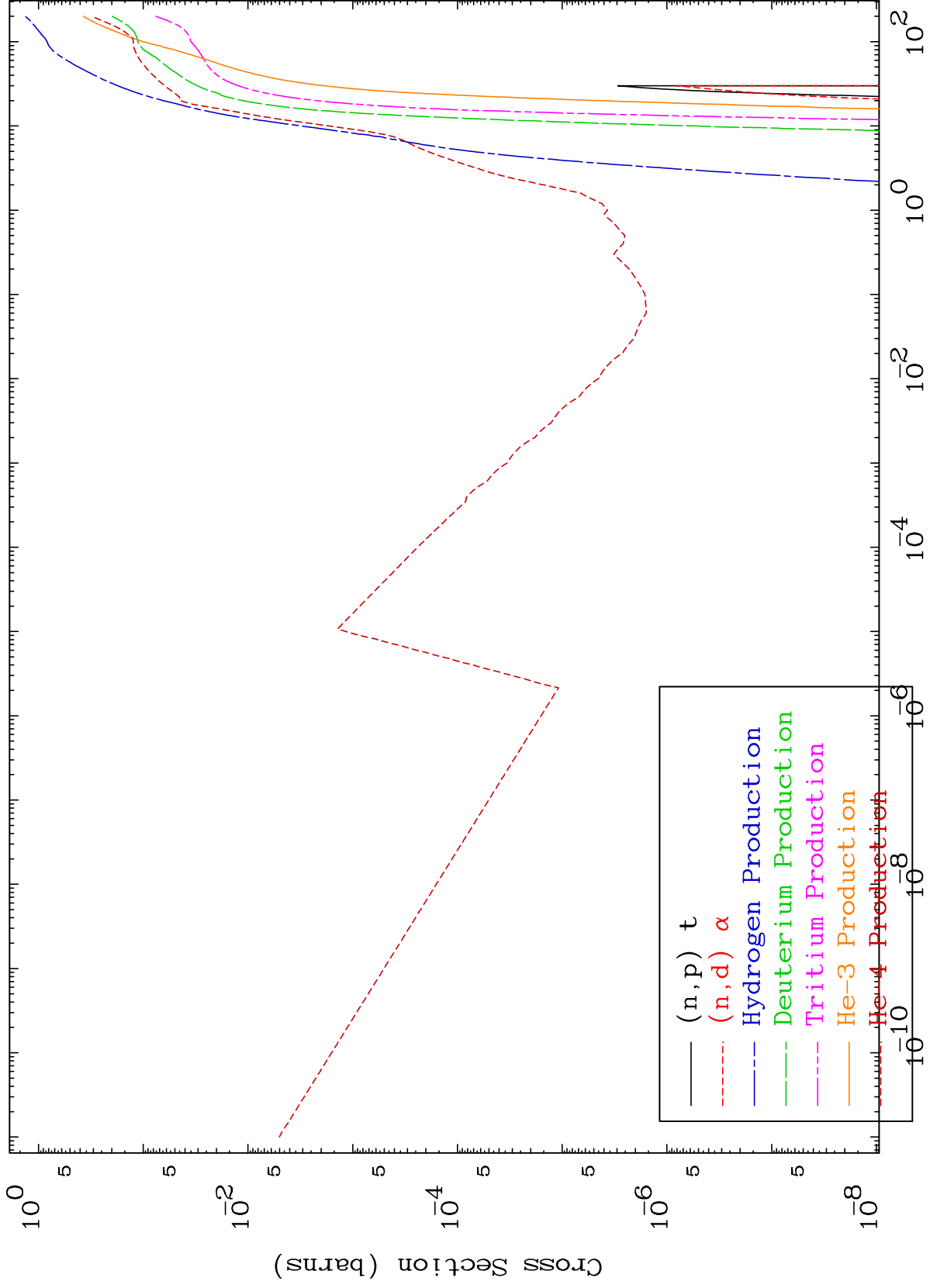
66-Dy-154



MAT 6619

Neutron Absorption
293 Kelvin Cross Sections

66-Dy-154



Incident Energy (MeV)

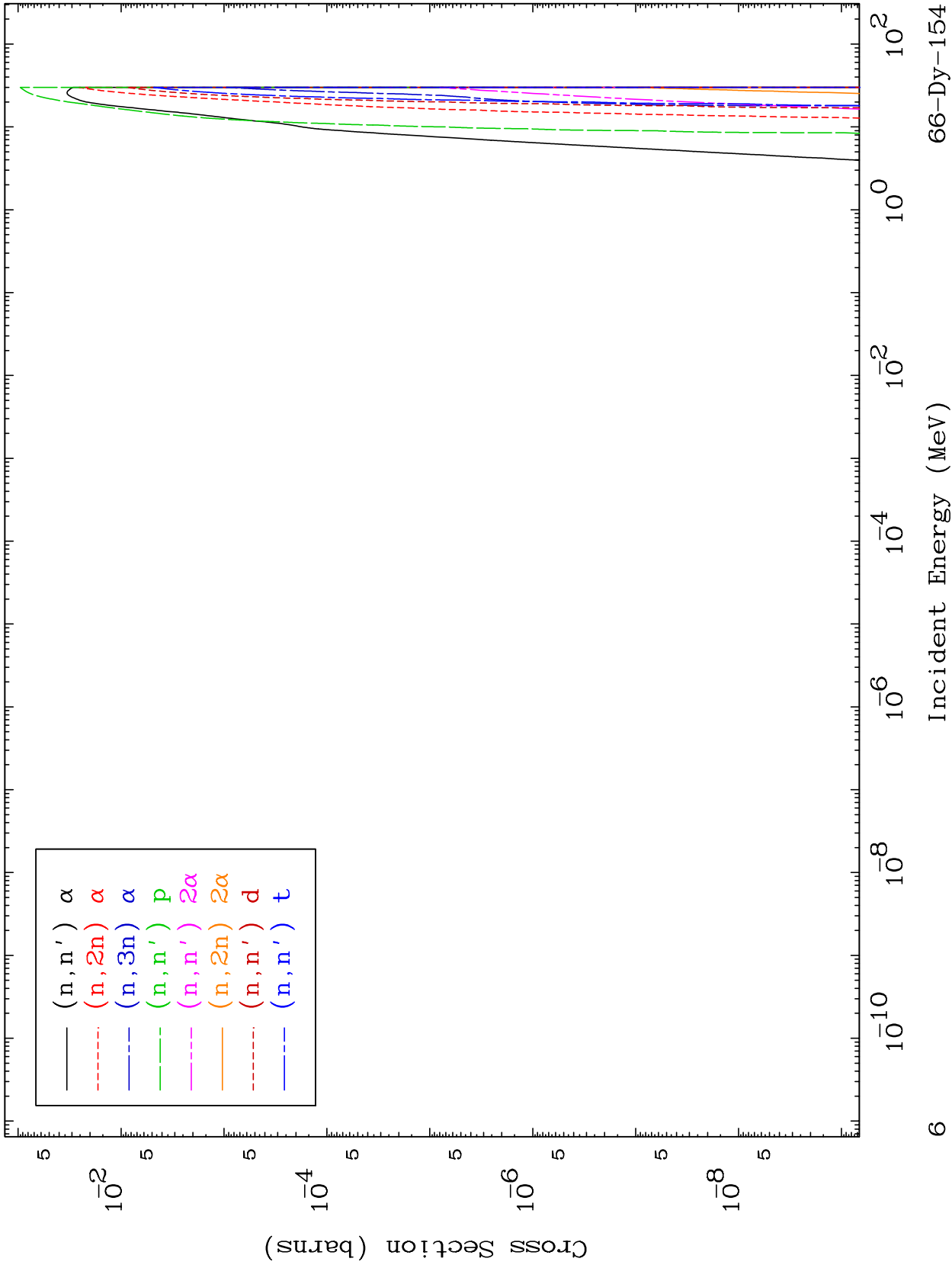
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5

MAT 6619

Charged Particle
293 Kelvin Cross Sections

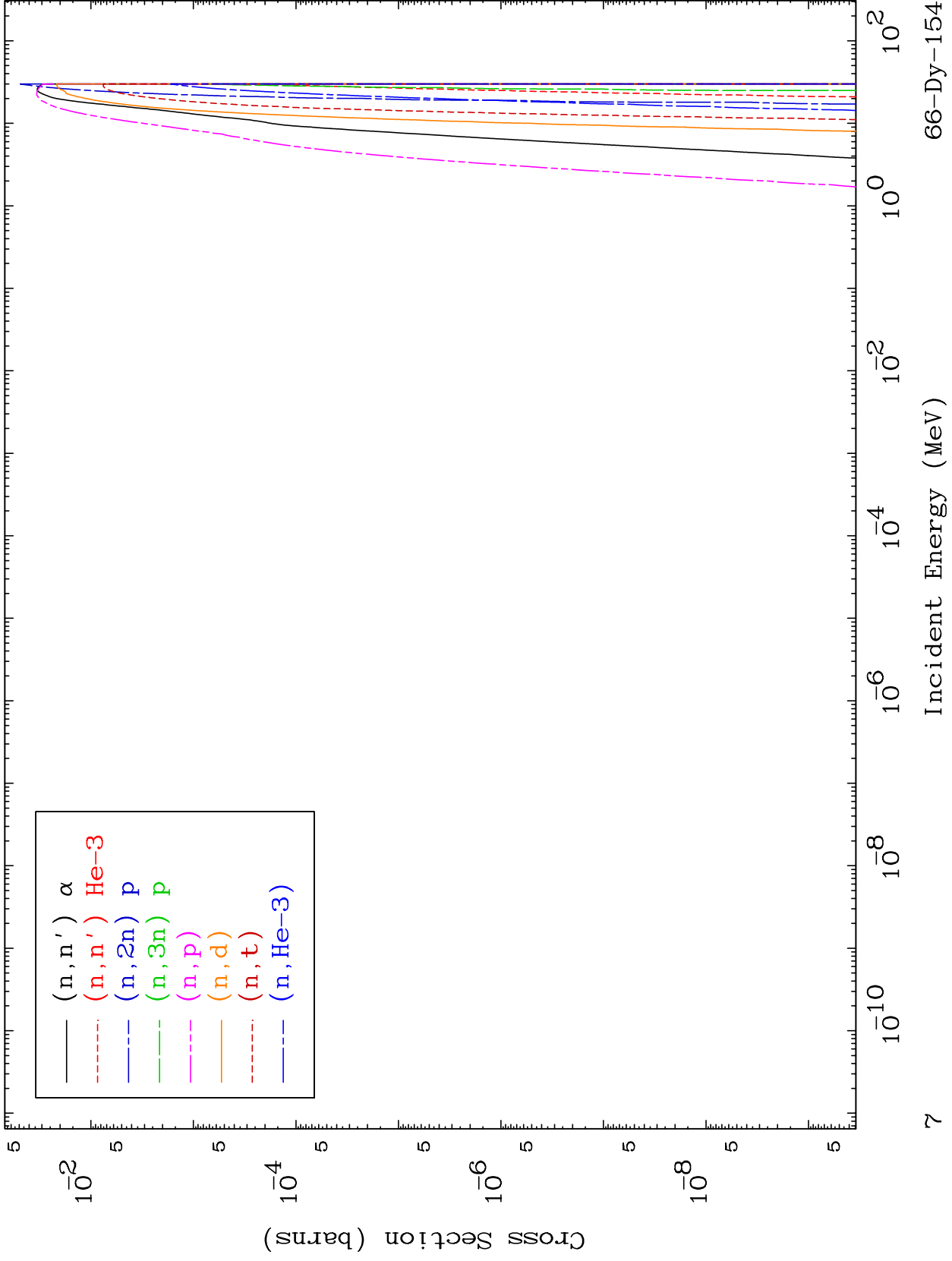
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MAT 6619

Charged Particle
293 Kelvin Cross Sections

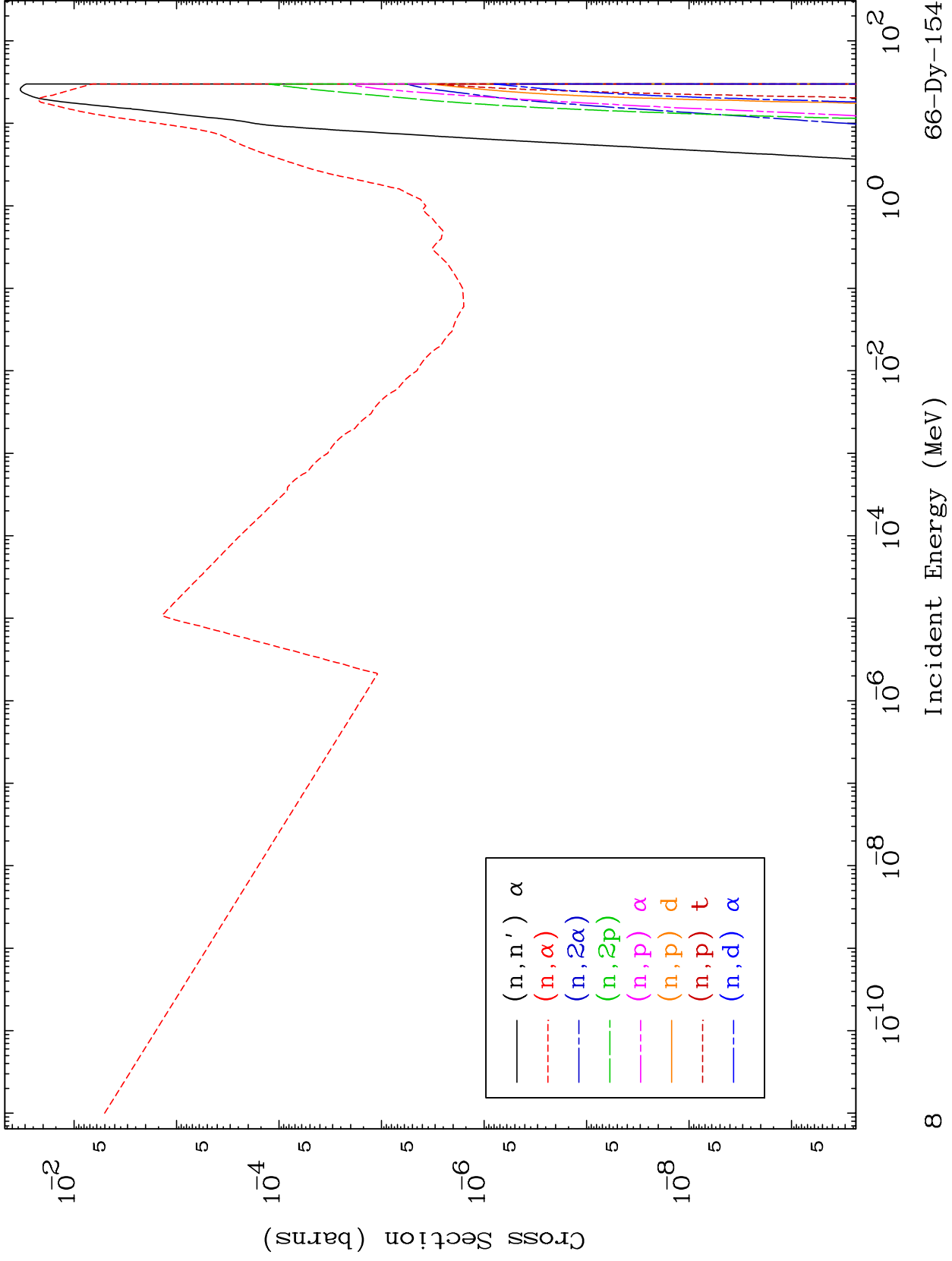
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MAT 6619

Charged Particle
293 Kelvin Cross Sections

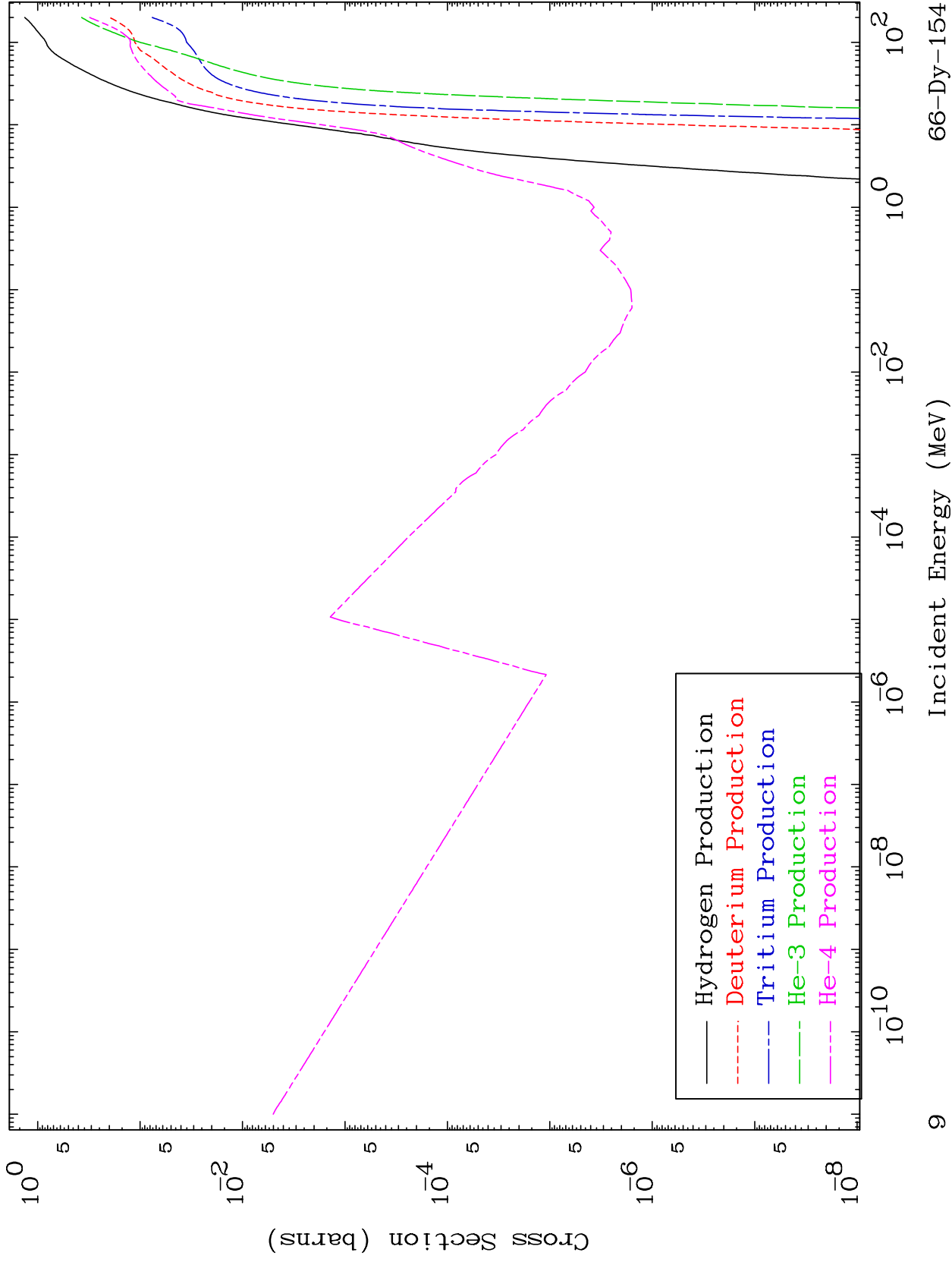
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MAT 6619

Particle Production
293 Kelvin Cross Sections

66-Dy-154

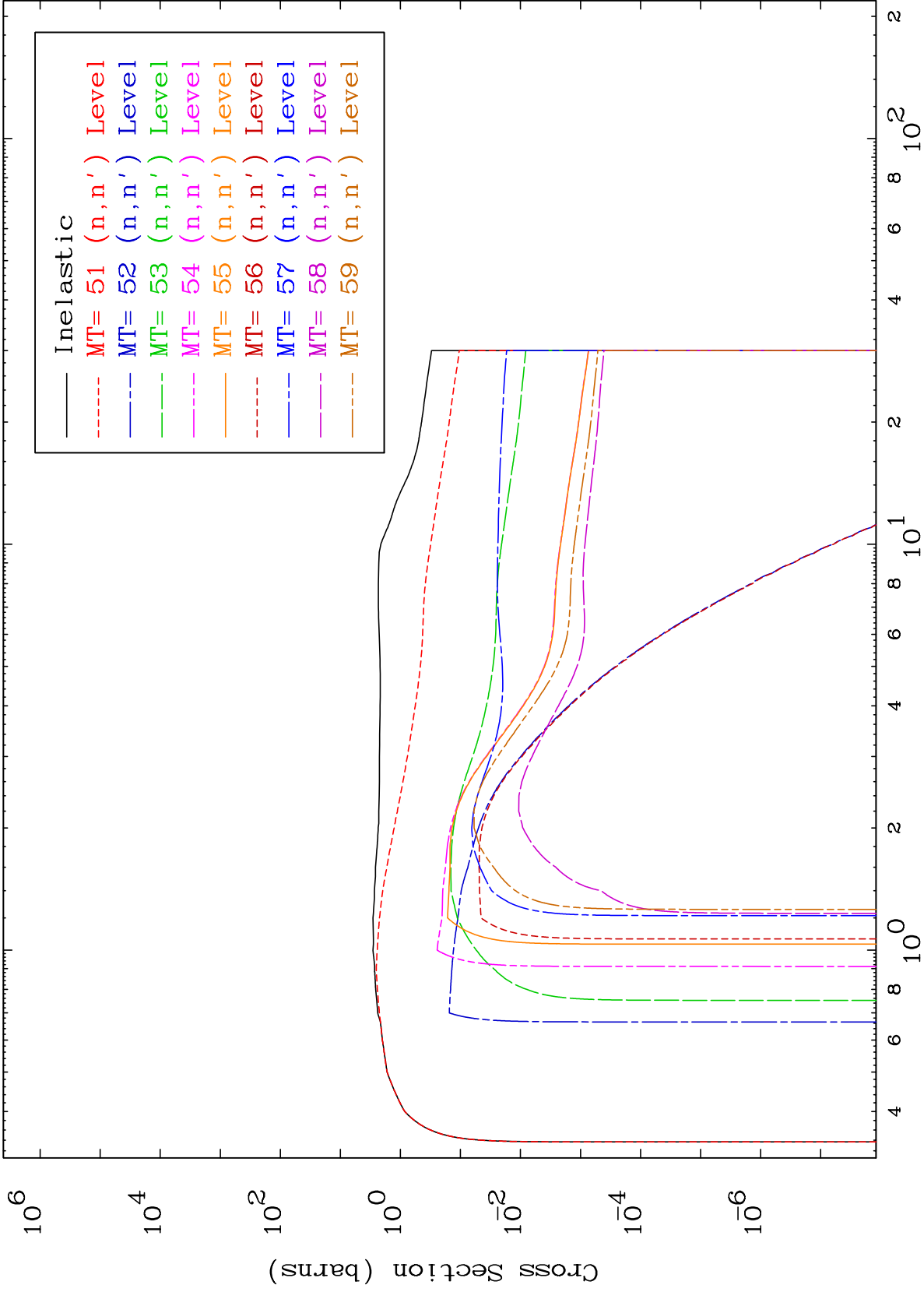


MAT 6619

(n,n') Levels

66-Dy-154

293 Kelvin Cross Sections



10

Incident Energy (MeV)

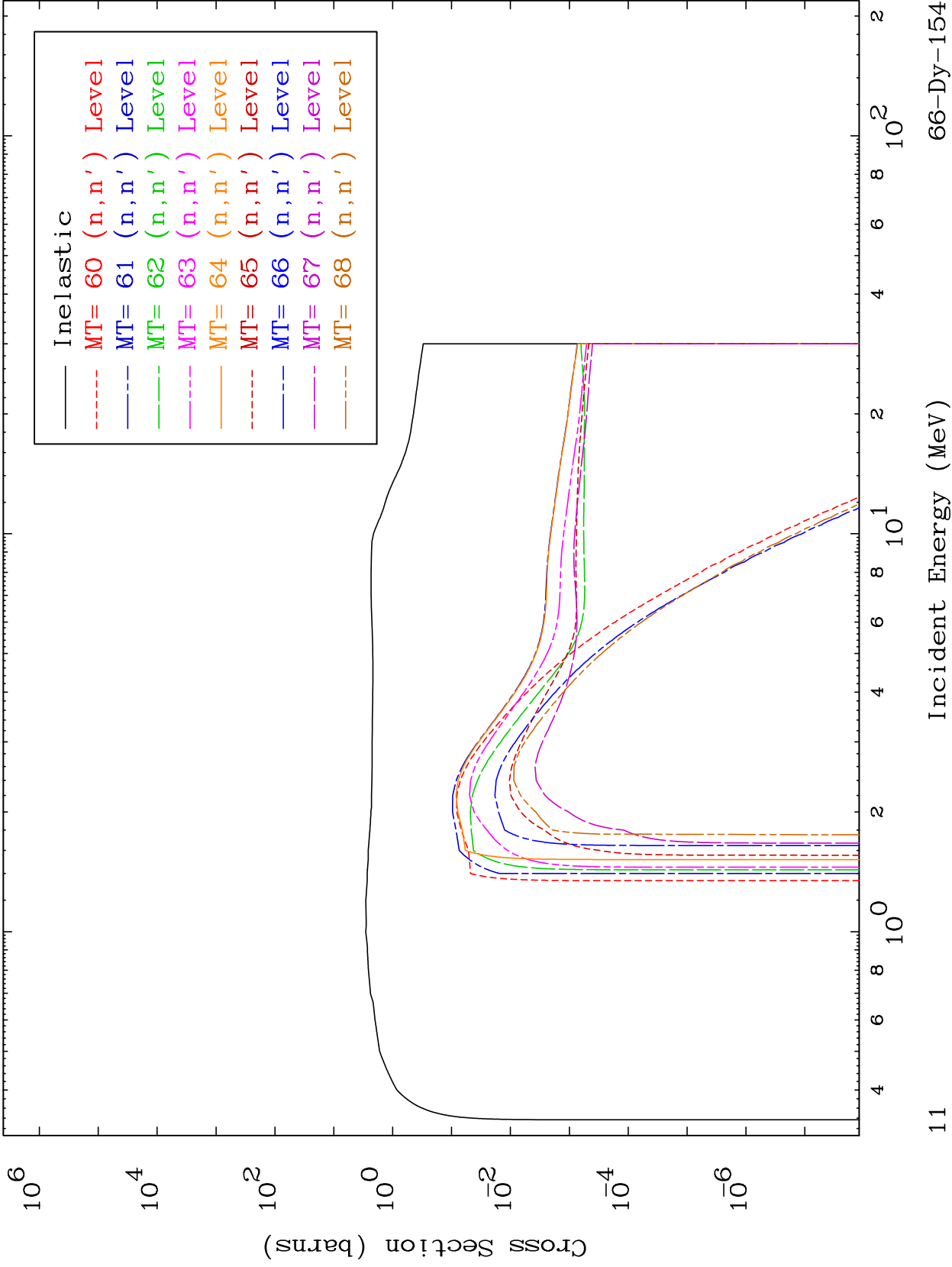
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MAT 6619

(n,n') Levels

66-Dy-154

293 Kelvin Cross Sections

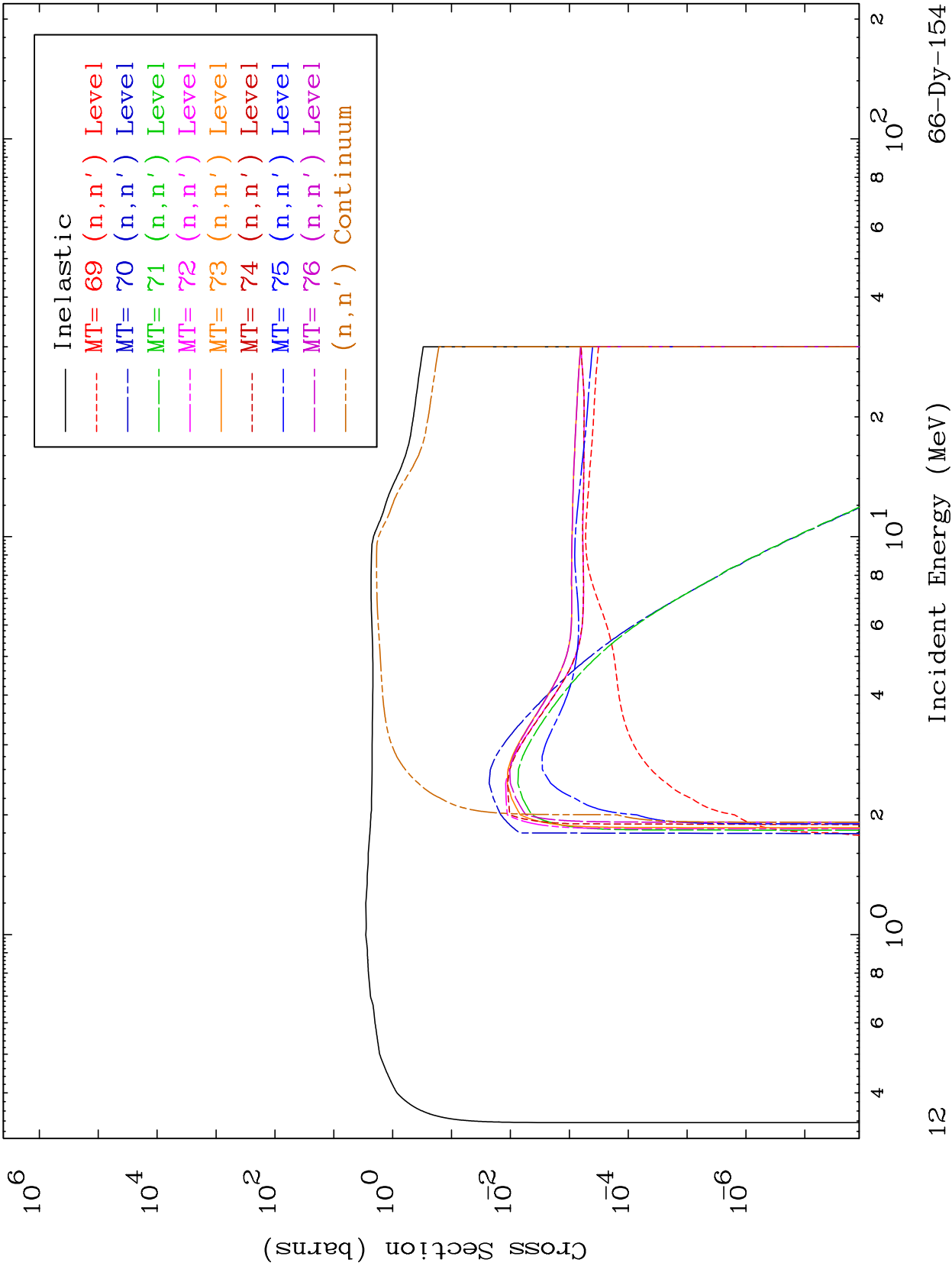


MAT 6619

(n,n') Levels

66-Dy-154

293 Kelvin Cross Sections



12

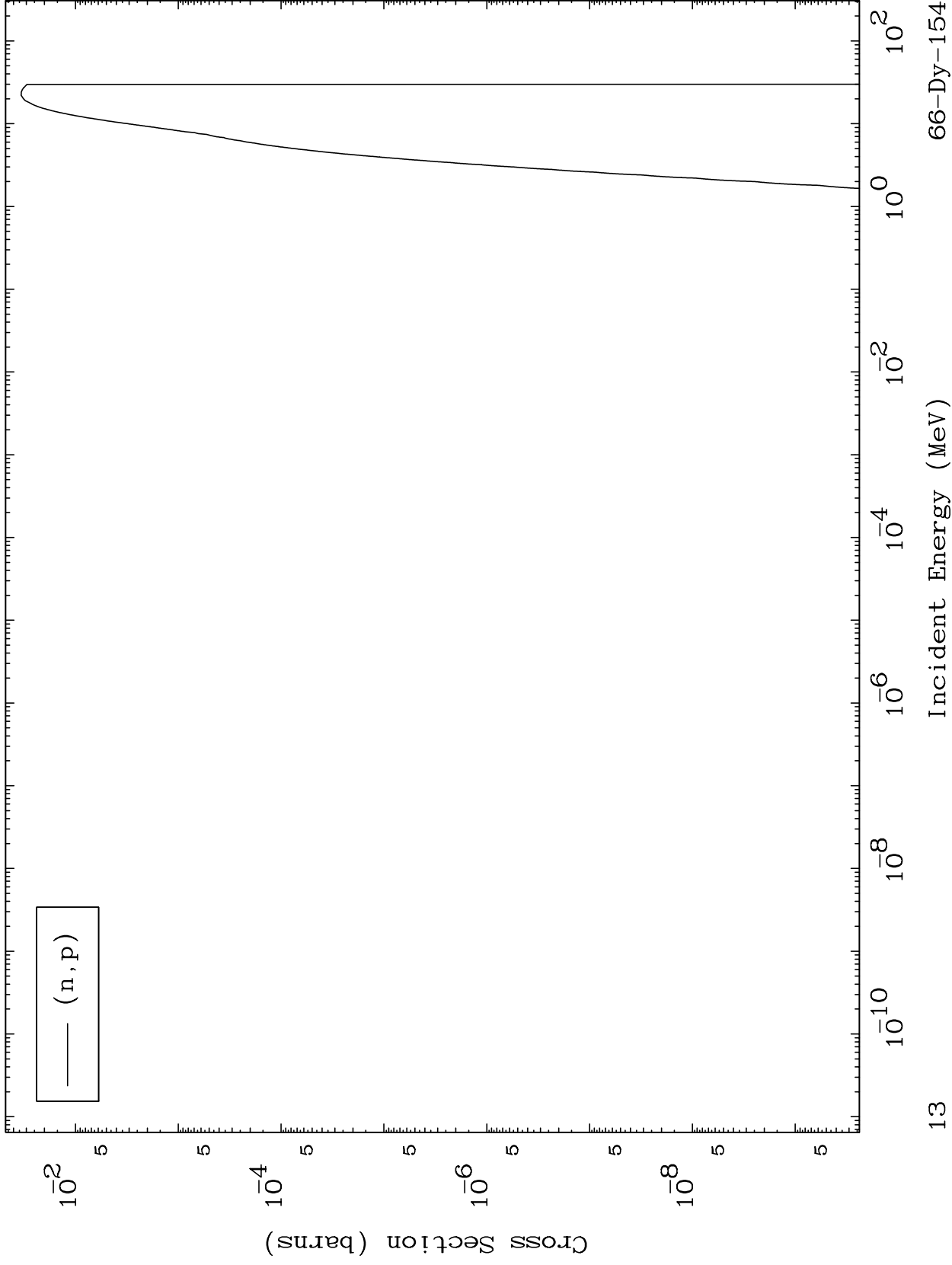
Incident Energy (MeV)

66-Dy-154

MAT 6619

(n,p) Levels
293 Kelvin Cross Sections

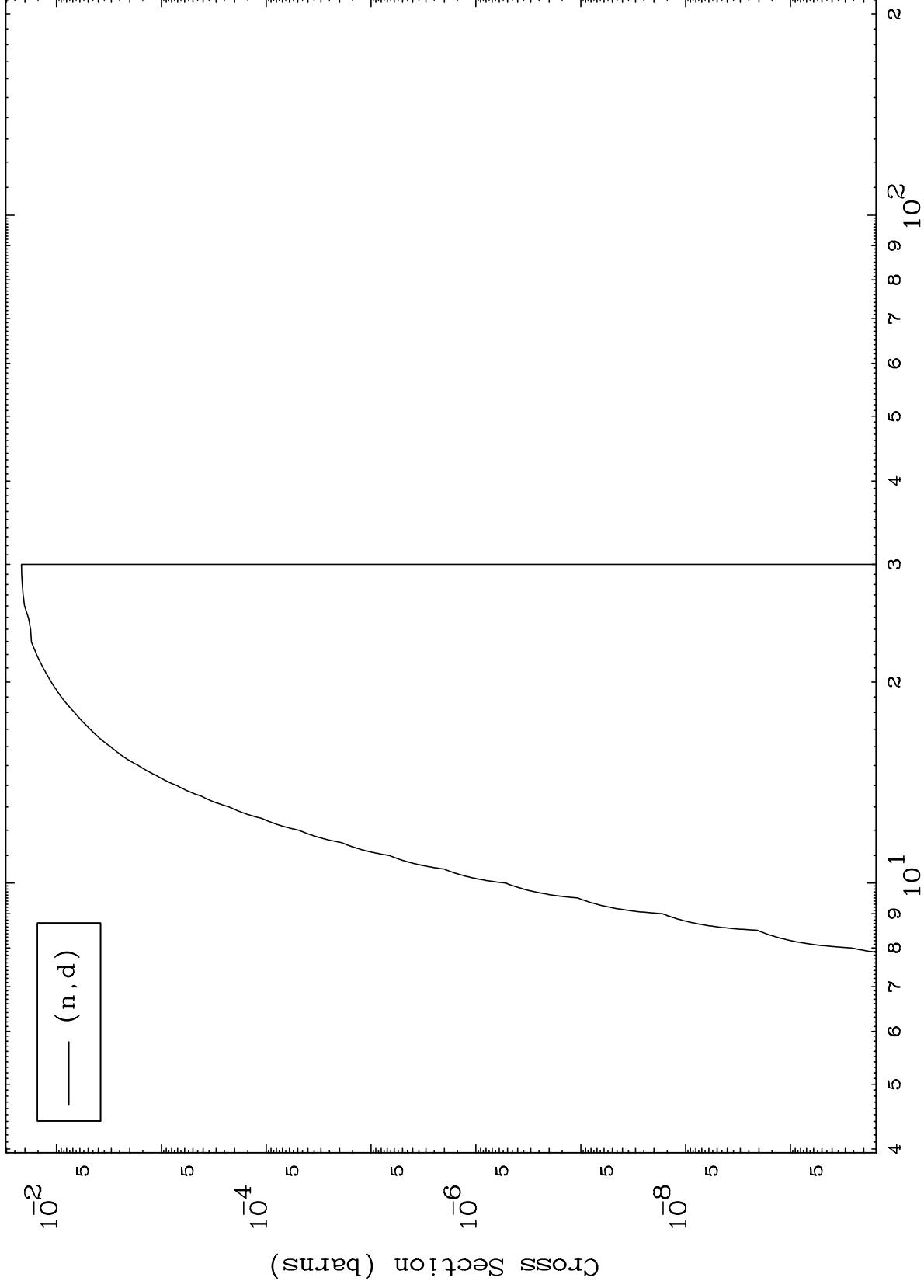
66-Dy-154



MAT 6619

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-154



14

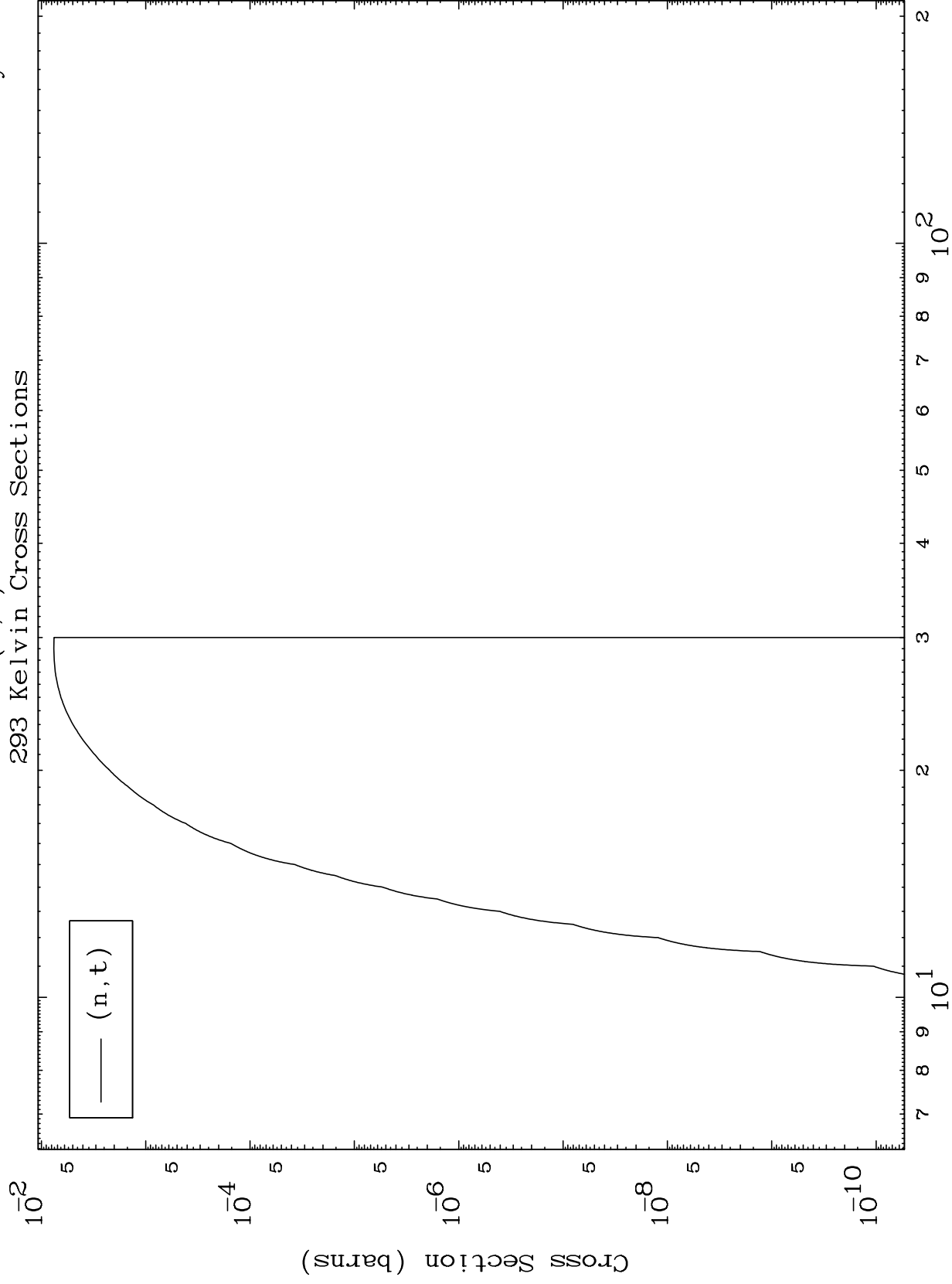
Incident Energy (MeV)

66-Dy-154

MAT 6619

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-154



15

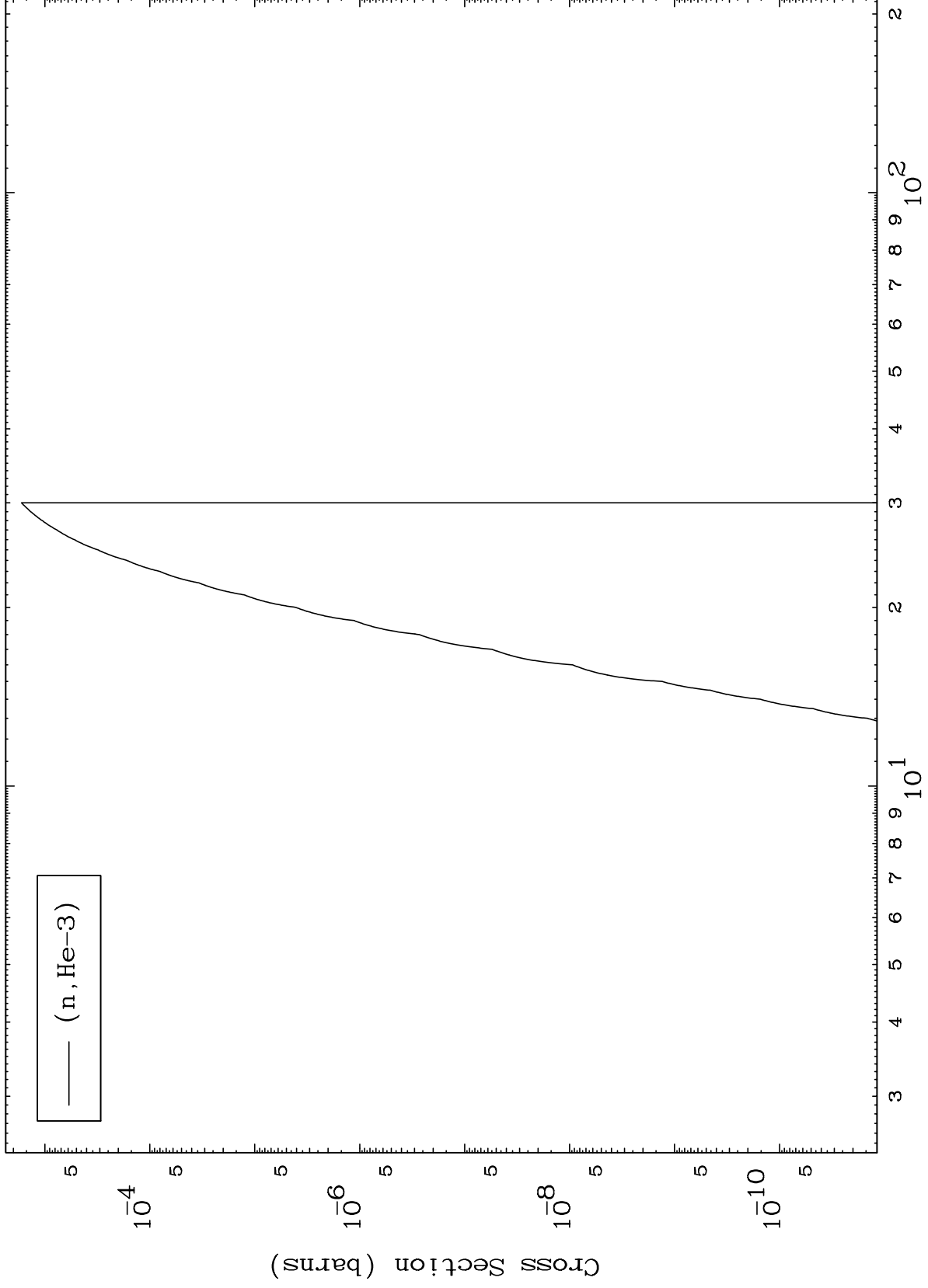
Incident Energy (MeV)

66-Dy-154

MAT 6619

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-154



16

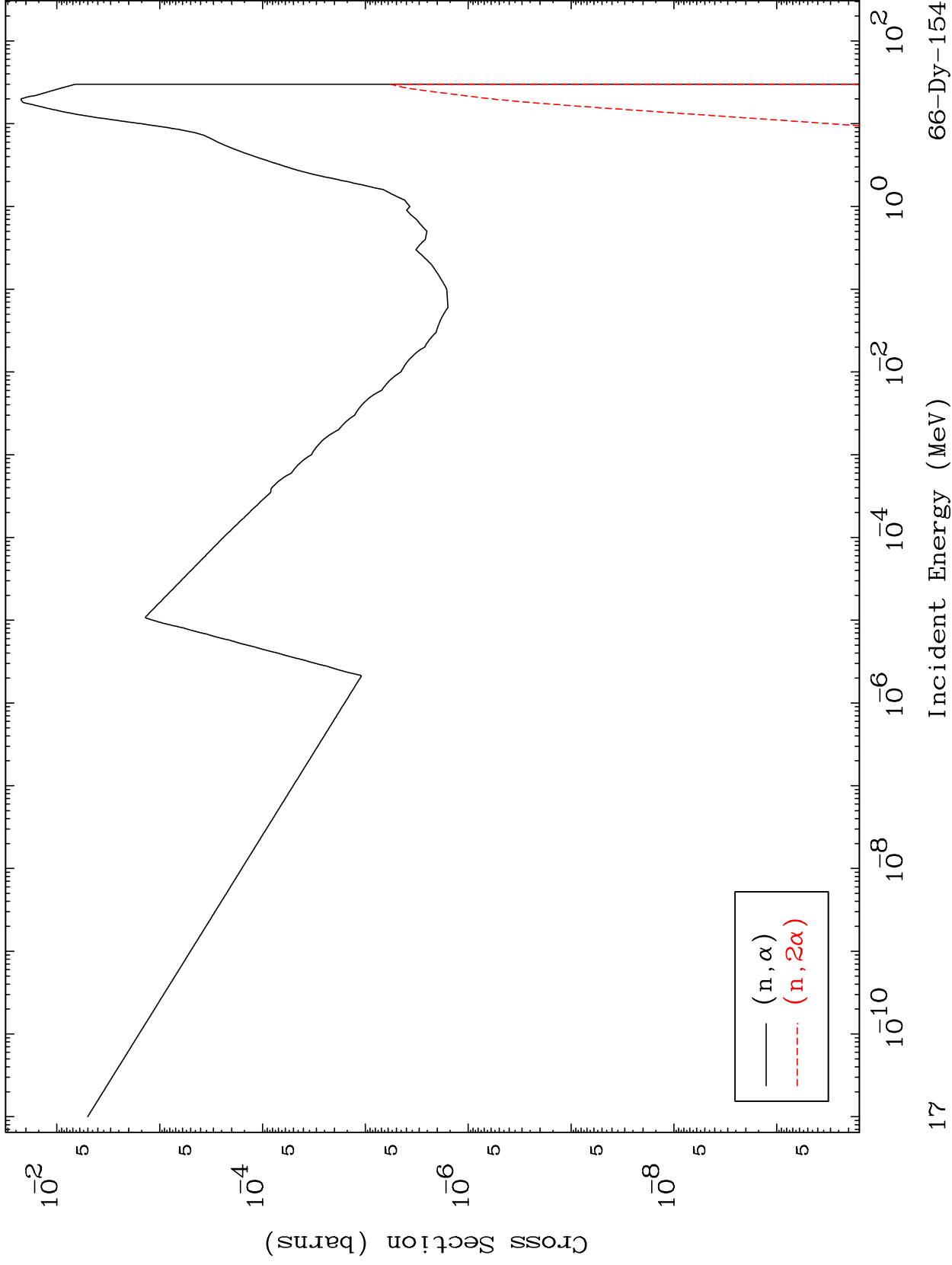
Incident Energy (MeV)

66-Dy-154

MAT 6619

(n, α) Levels
293 Kelvin Cross Sections

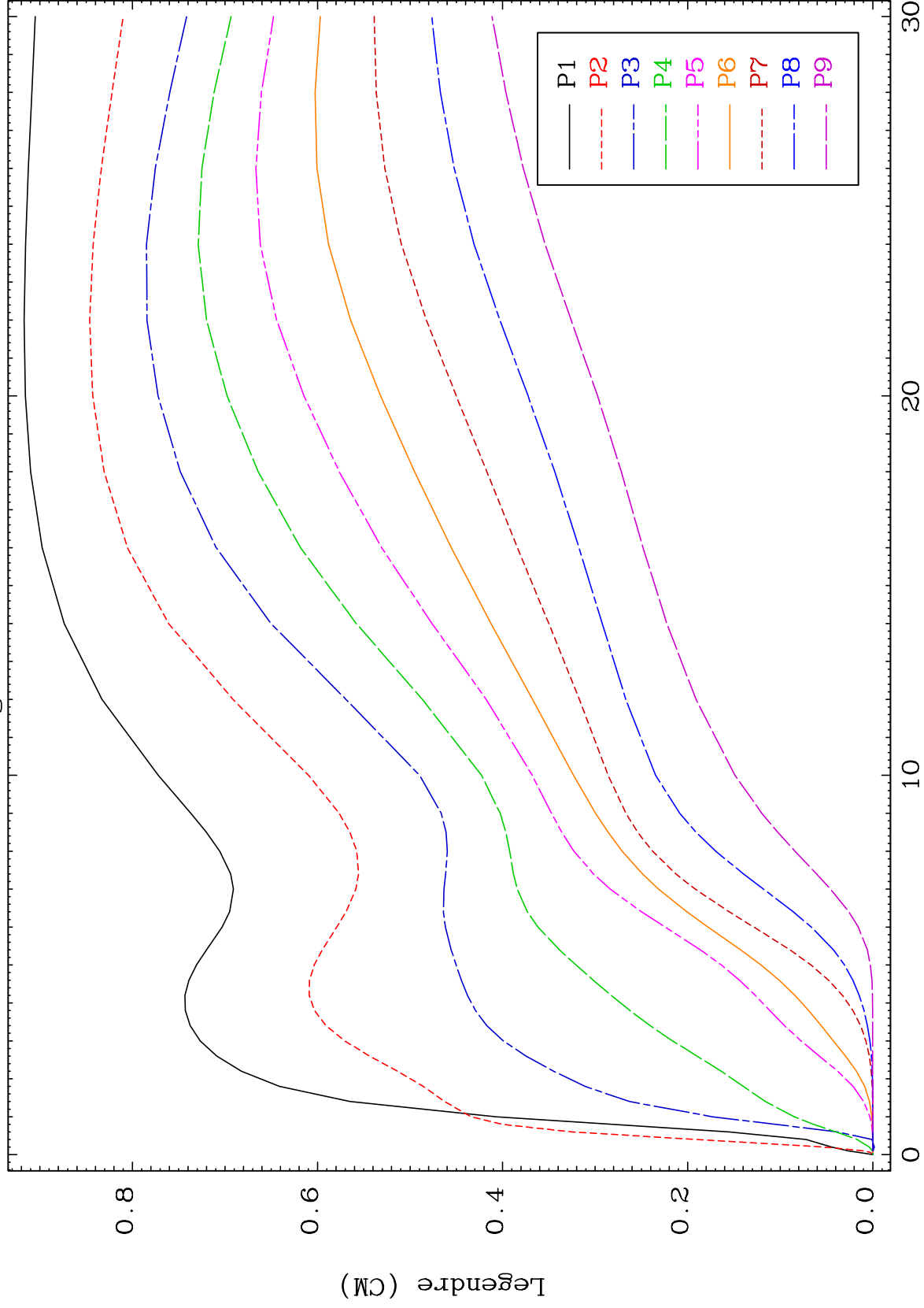
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MAT 6619

Elastic Legendre Coefficients

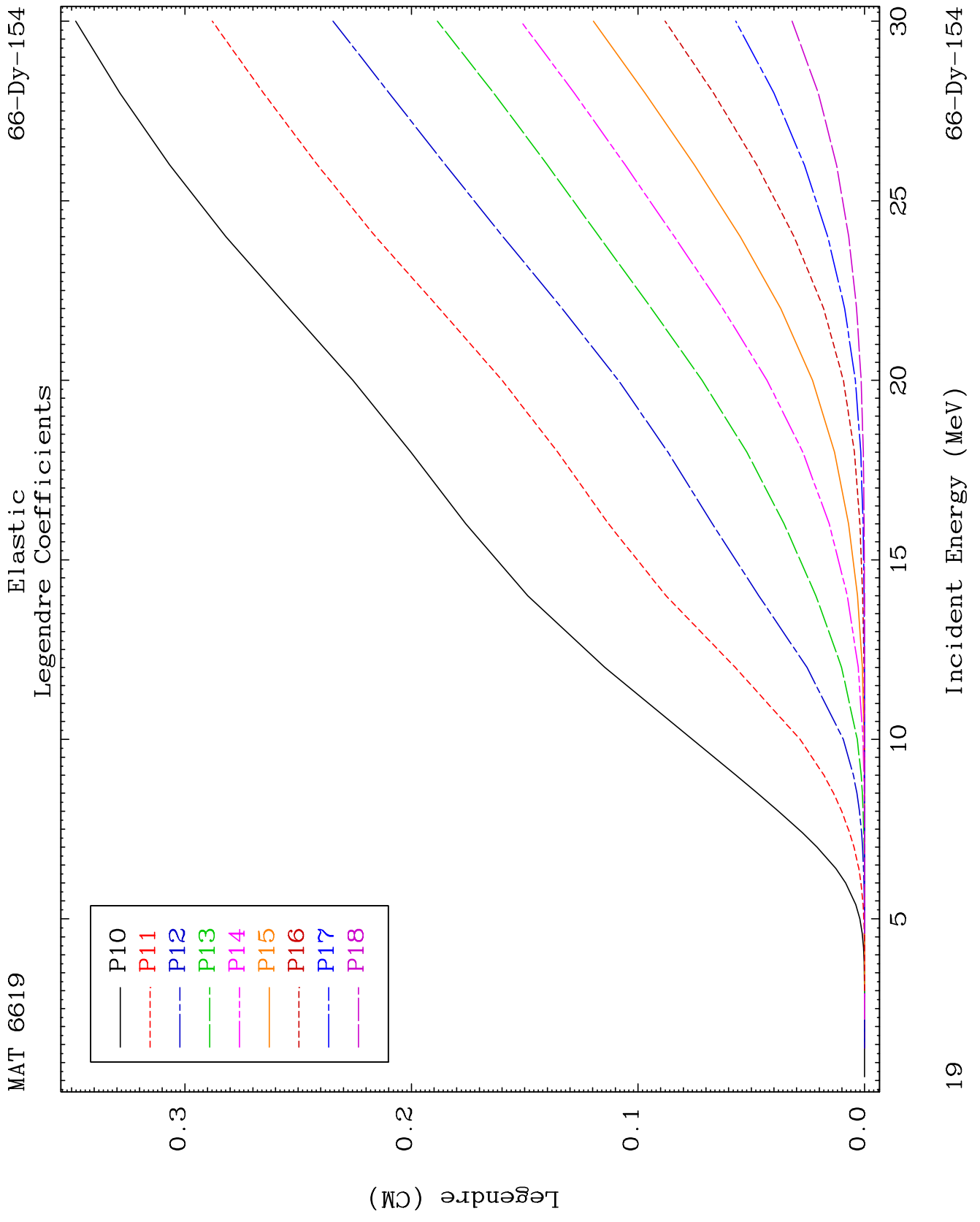
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18

Incident Energy (MeV)

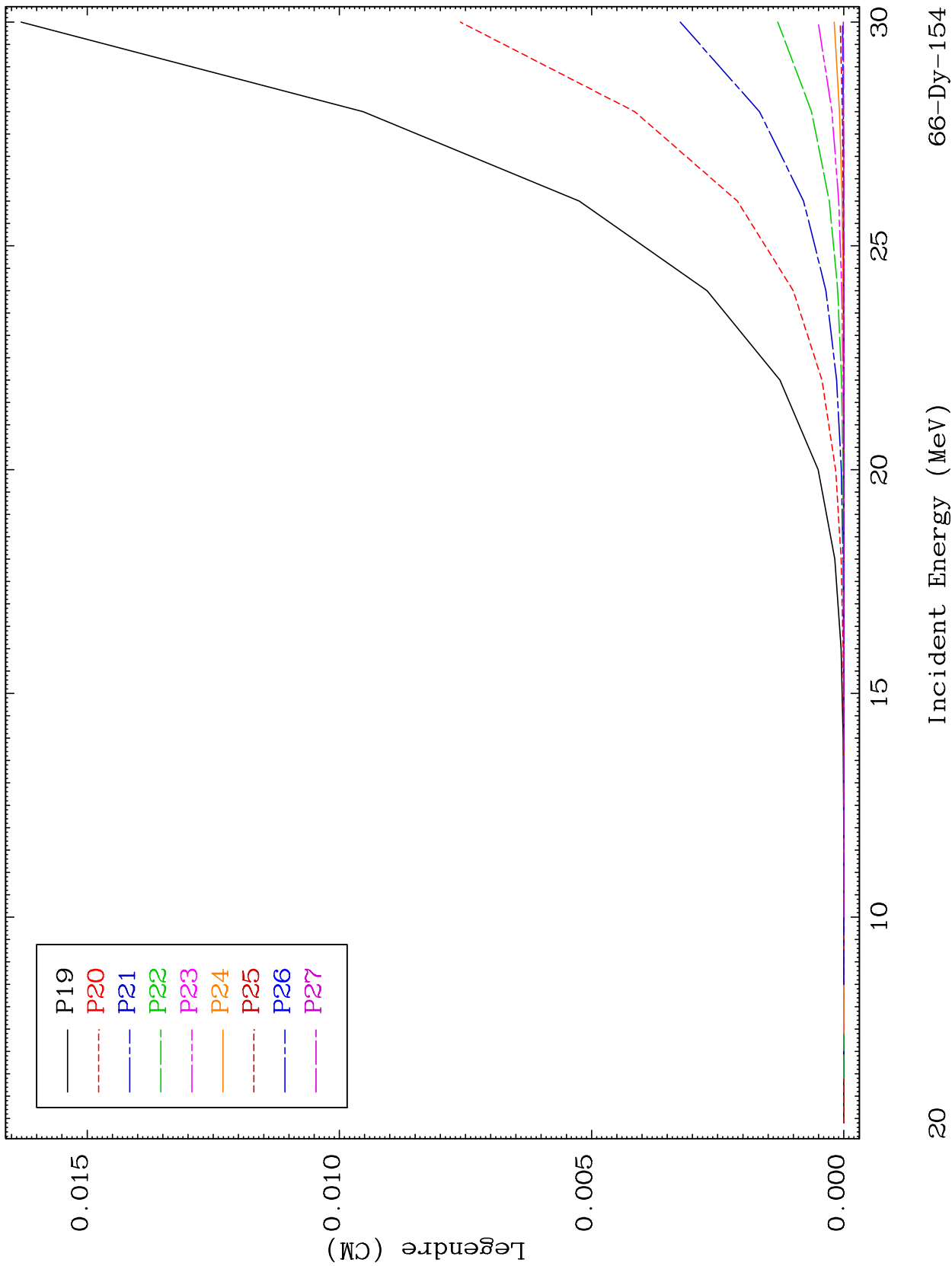
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MAT 6619

Elastic Legendre Coefficients

66-Dy-154



20

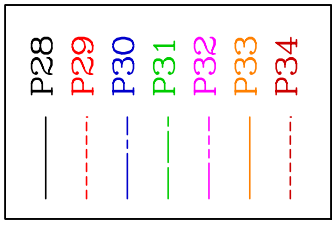
Incident Energy (MeV)

66-Dy-154

MAT 6619

Elastic Legendre Coefficients

66-Dy-154



$\times 10^{265}$

Legendre (CM)

10

15

20

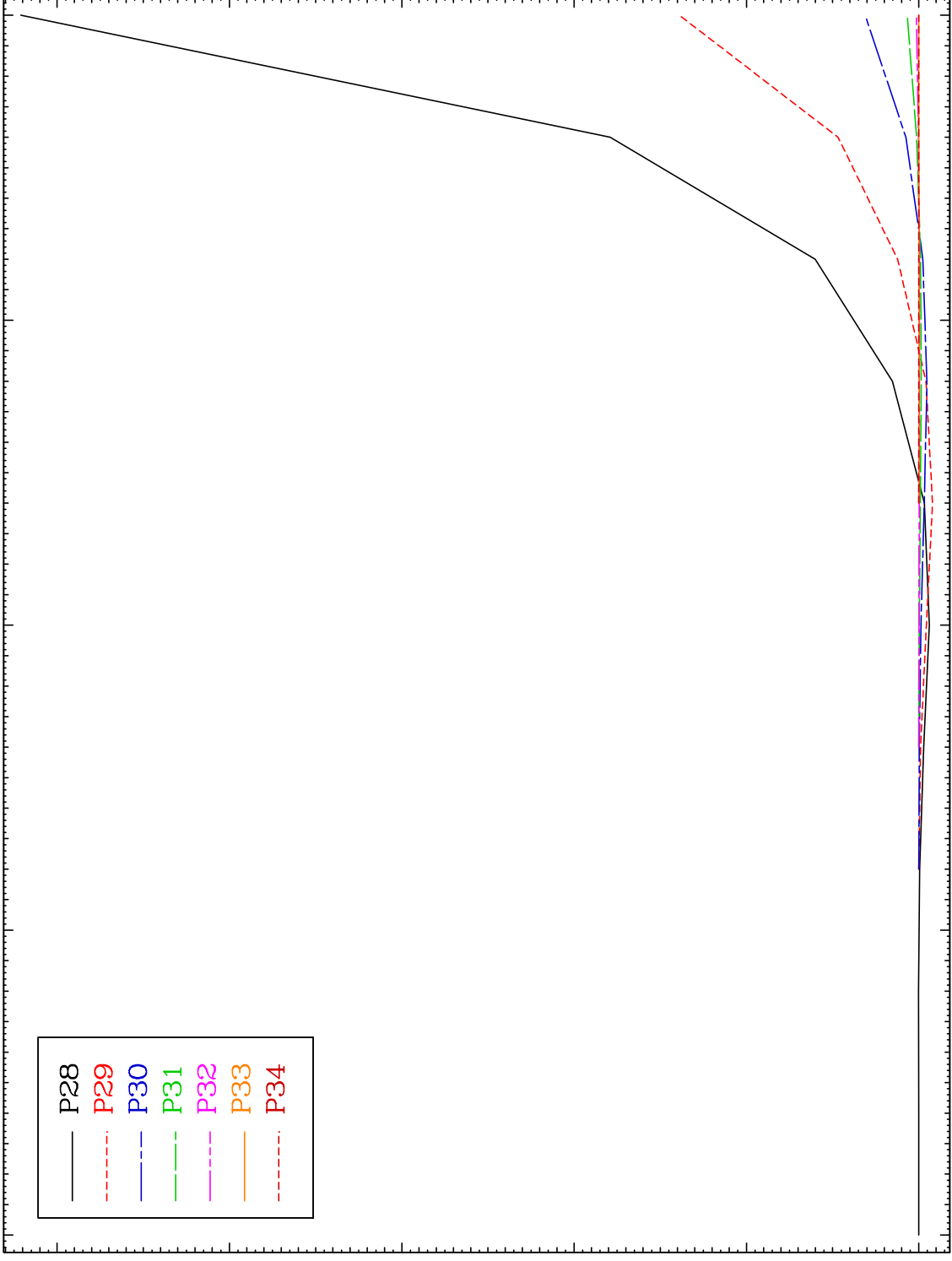
25

30

21

Incident Energy (MeV)

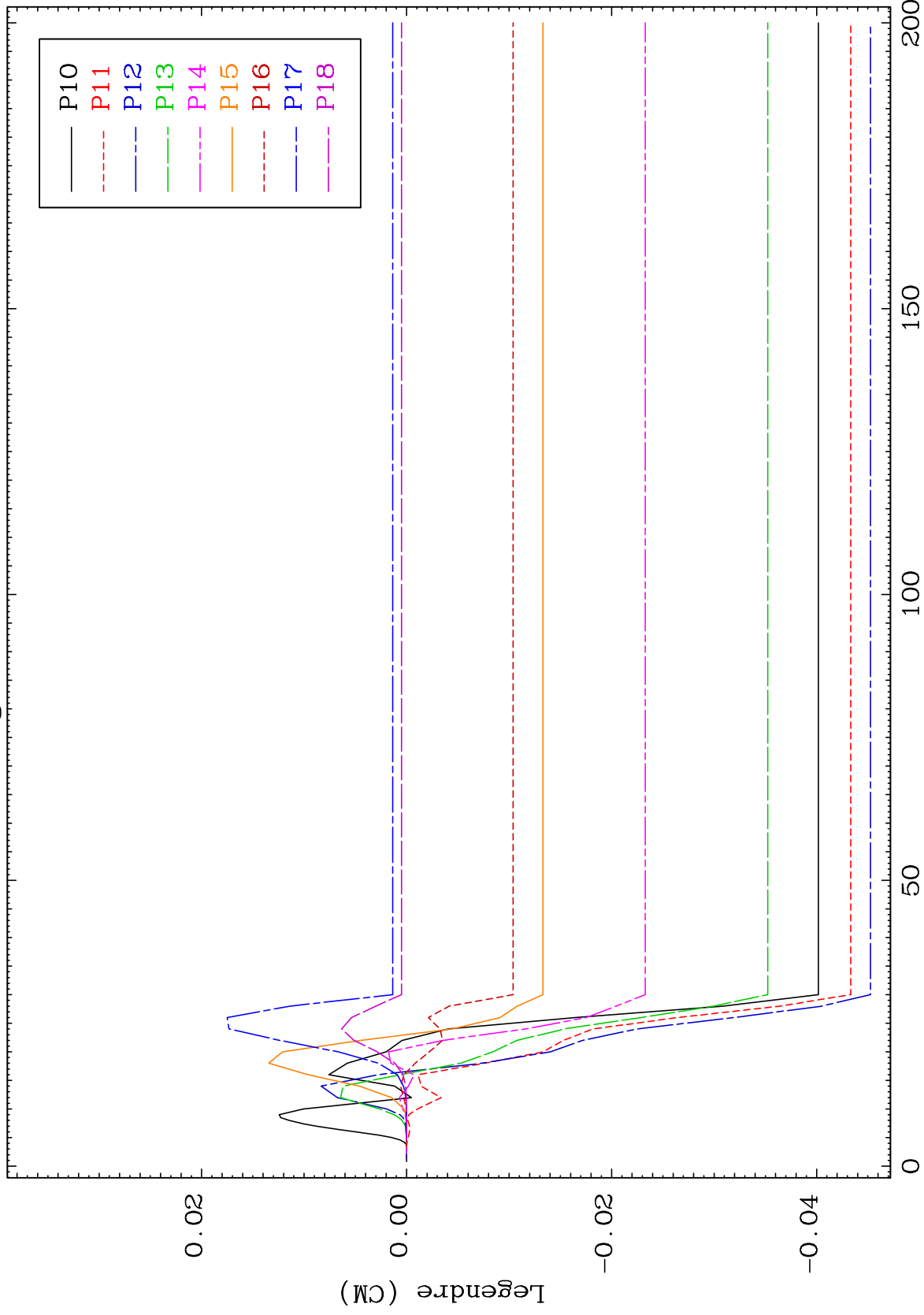
66-Dy-154



MAT 6619

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

66-Dy-154



23

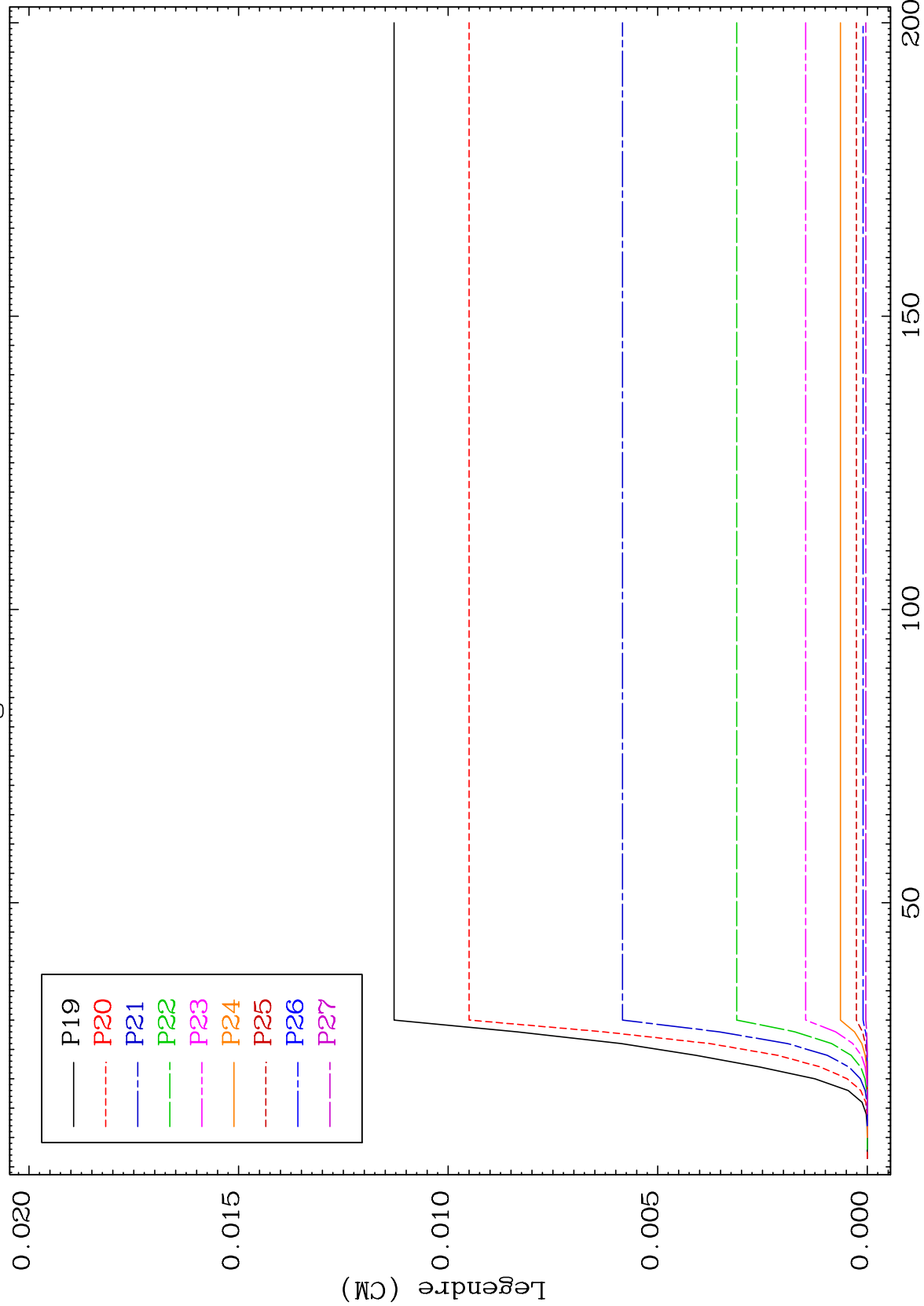
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

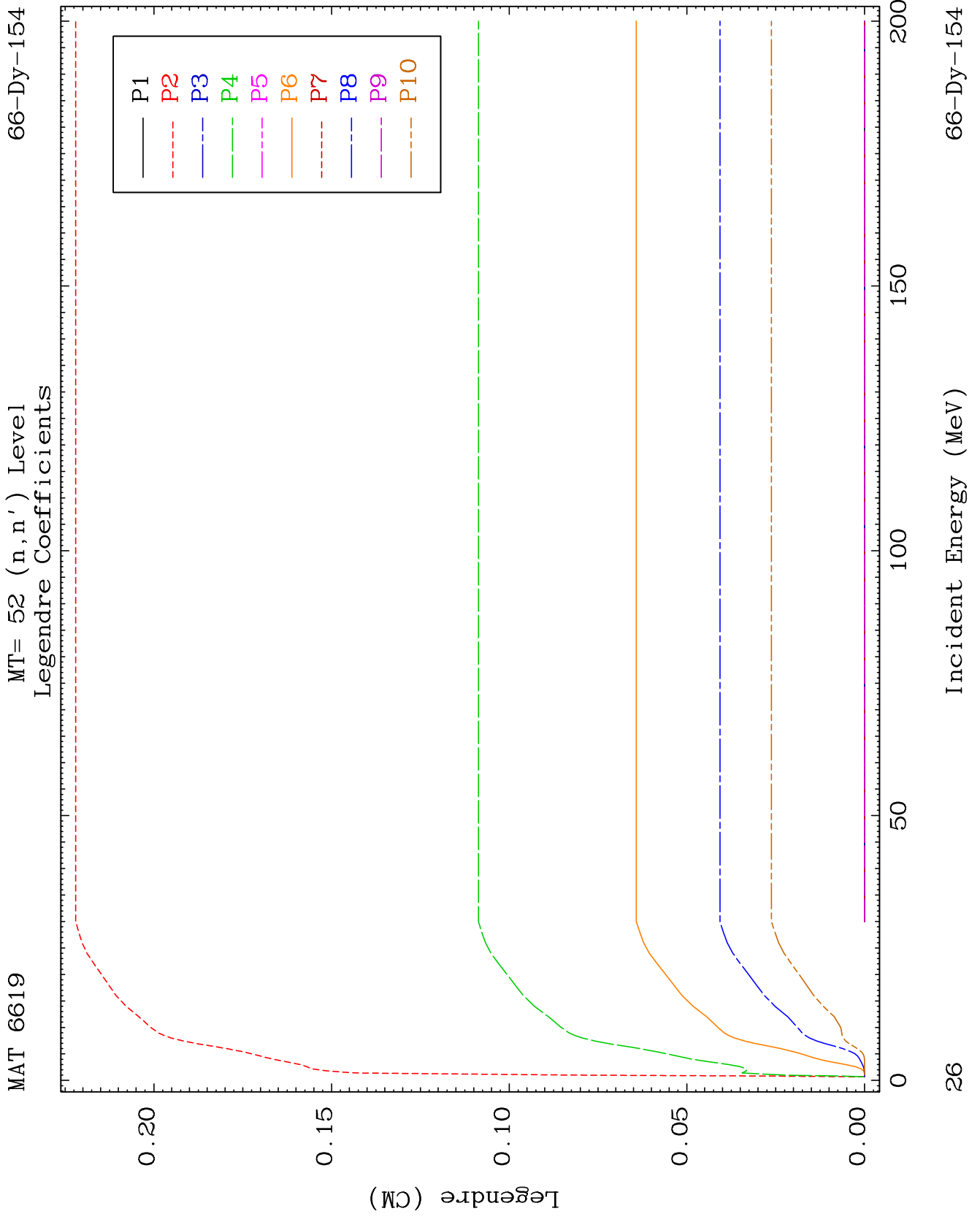
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24

Incident Energy (MeV)

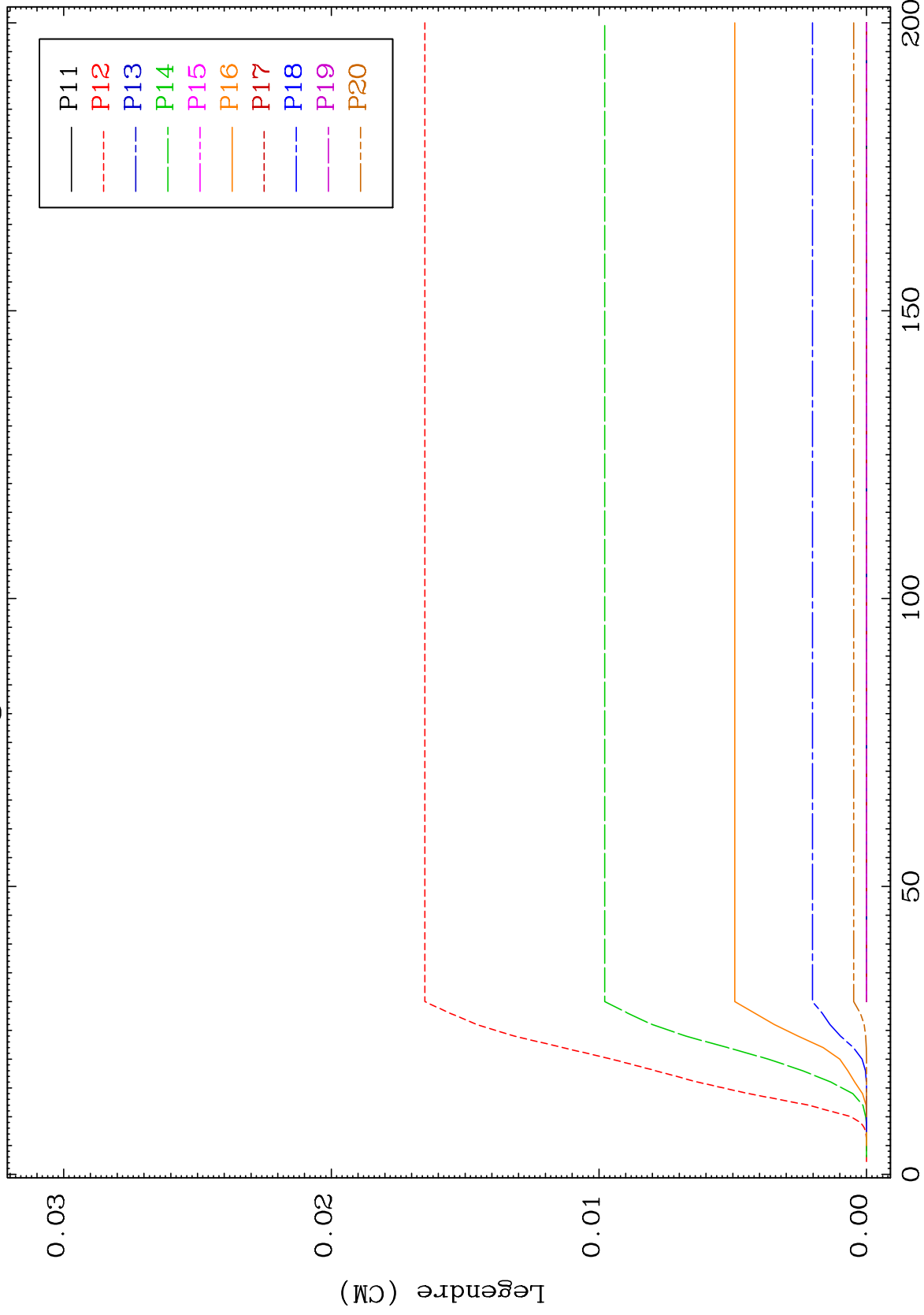
66-Dy-154



MAT 6619

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

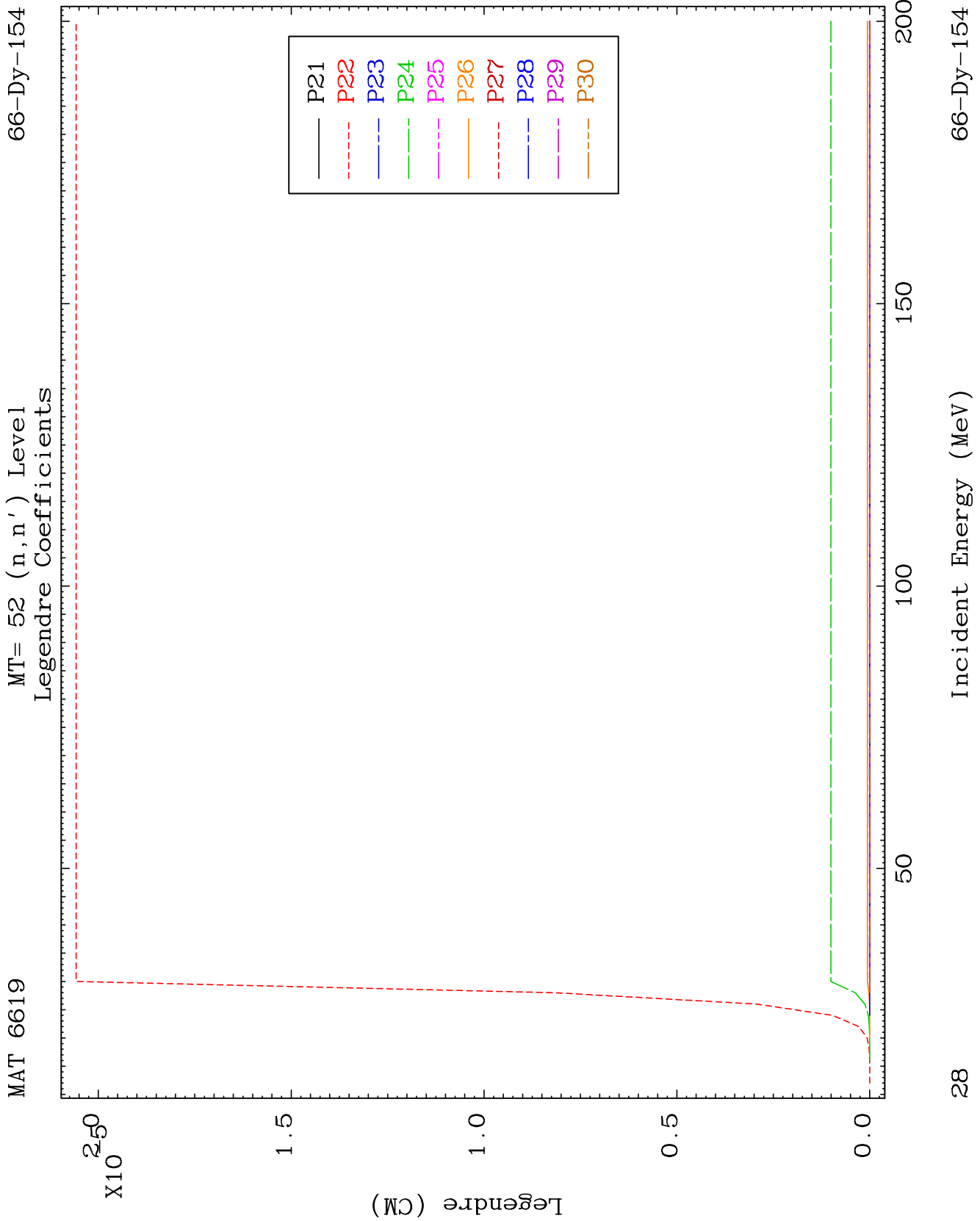
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27

Incident Energy (MeV)

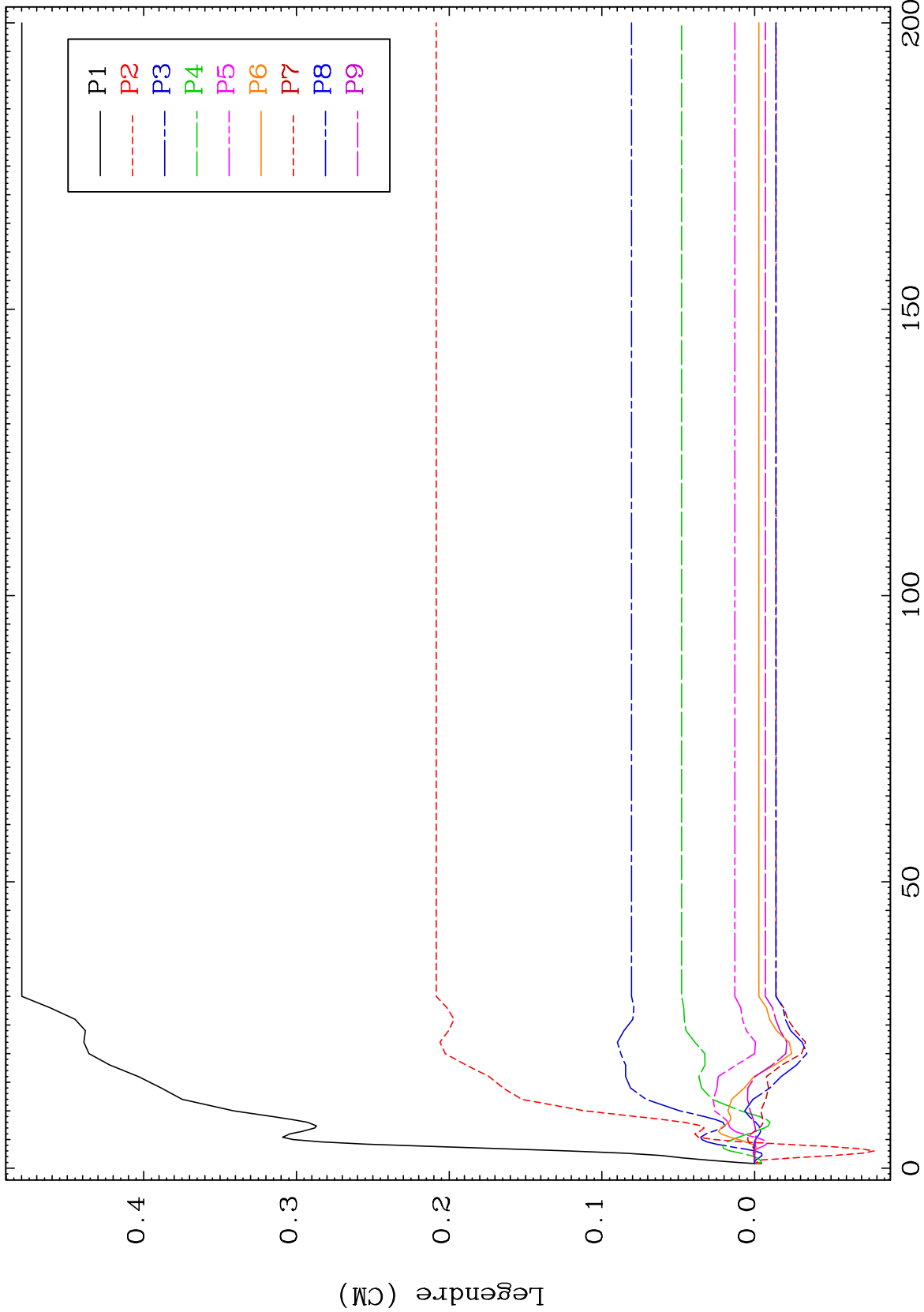
66-Dy-154



MAT 6619

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

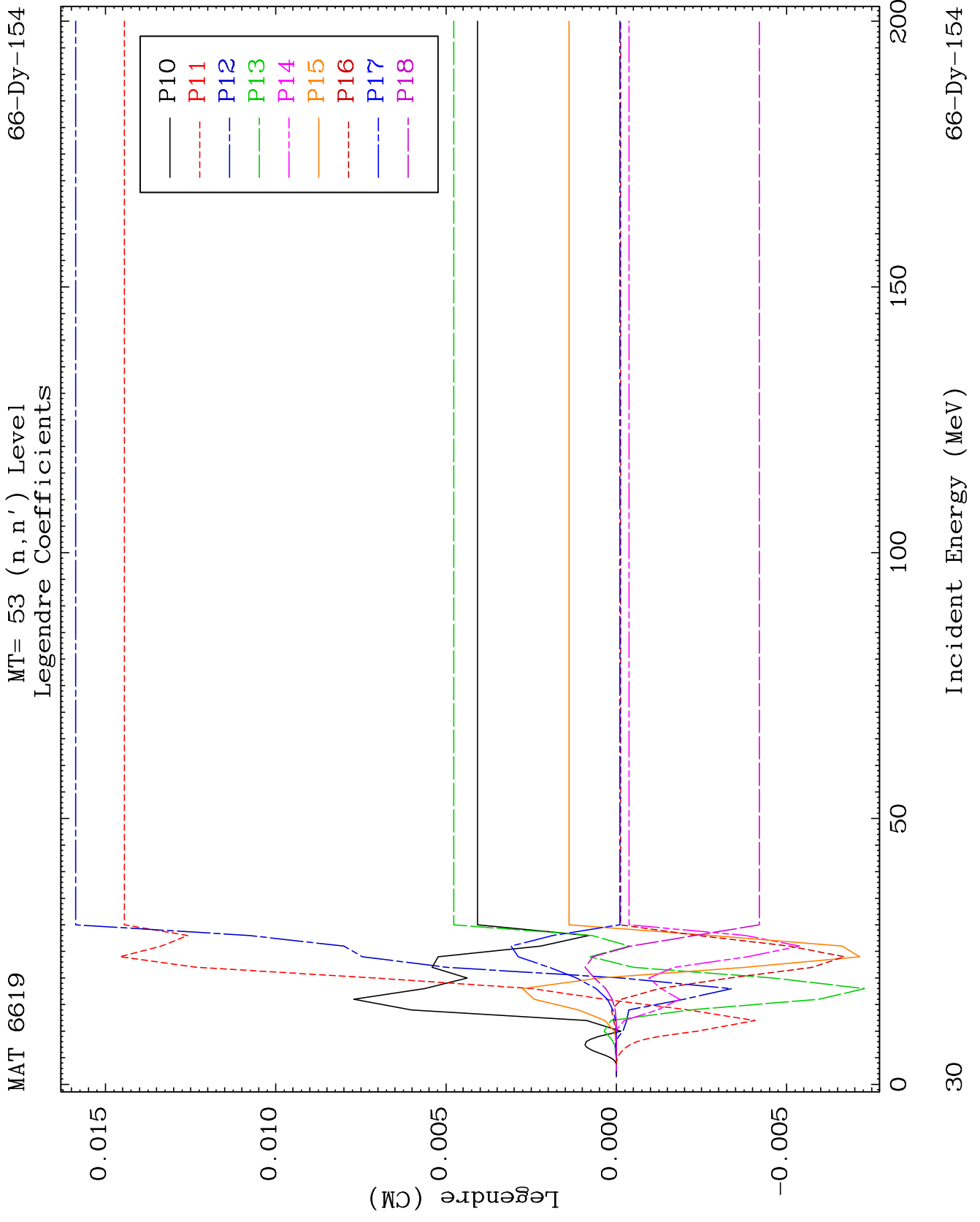
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29

Incident Energy (MeV)

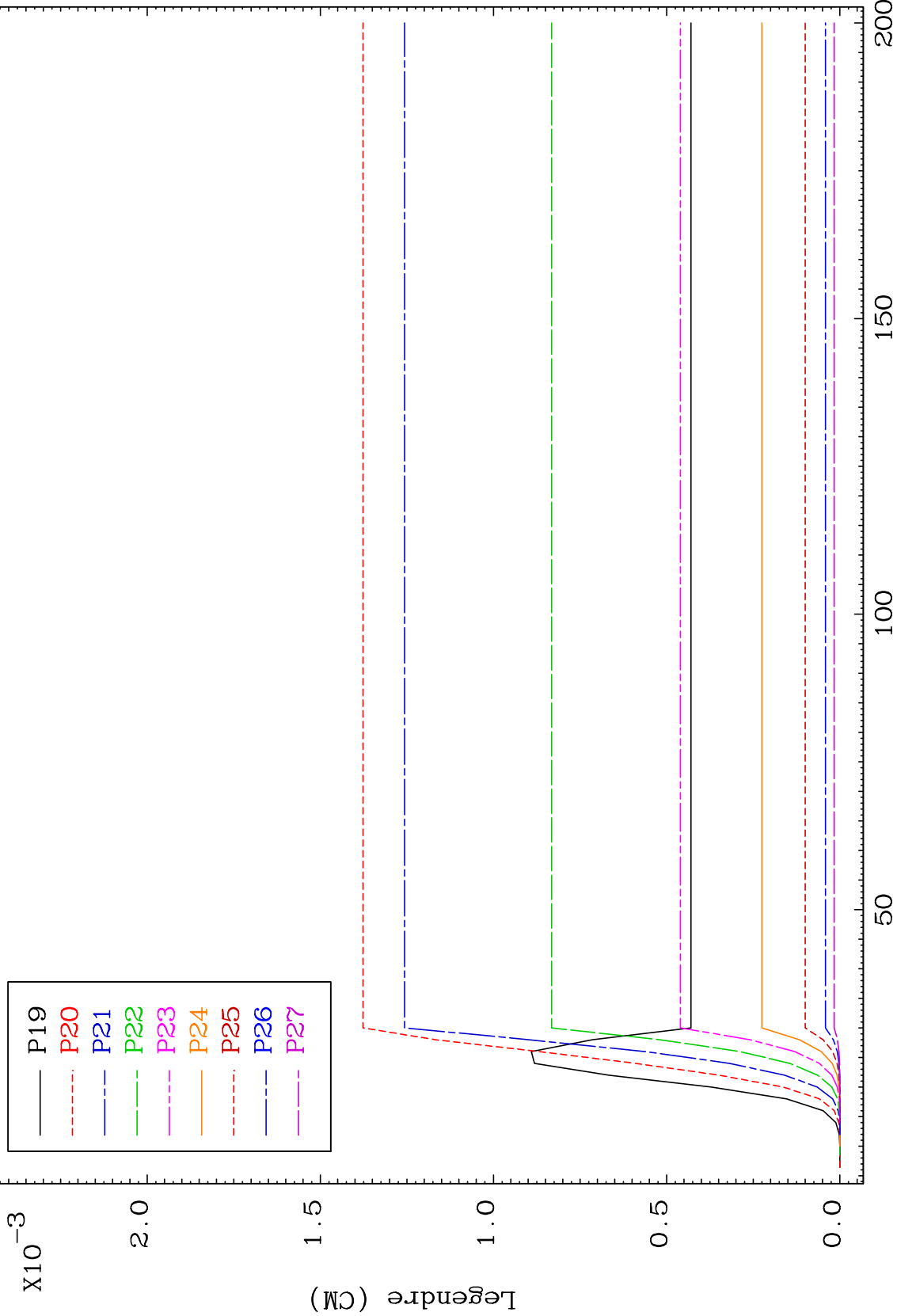
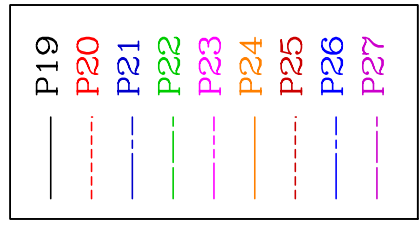
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MAT 6619

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

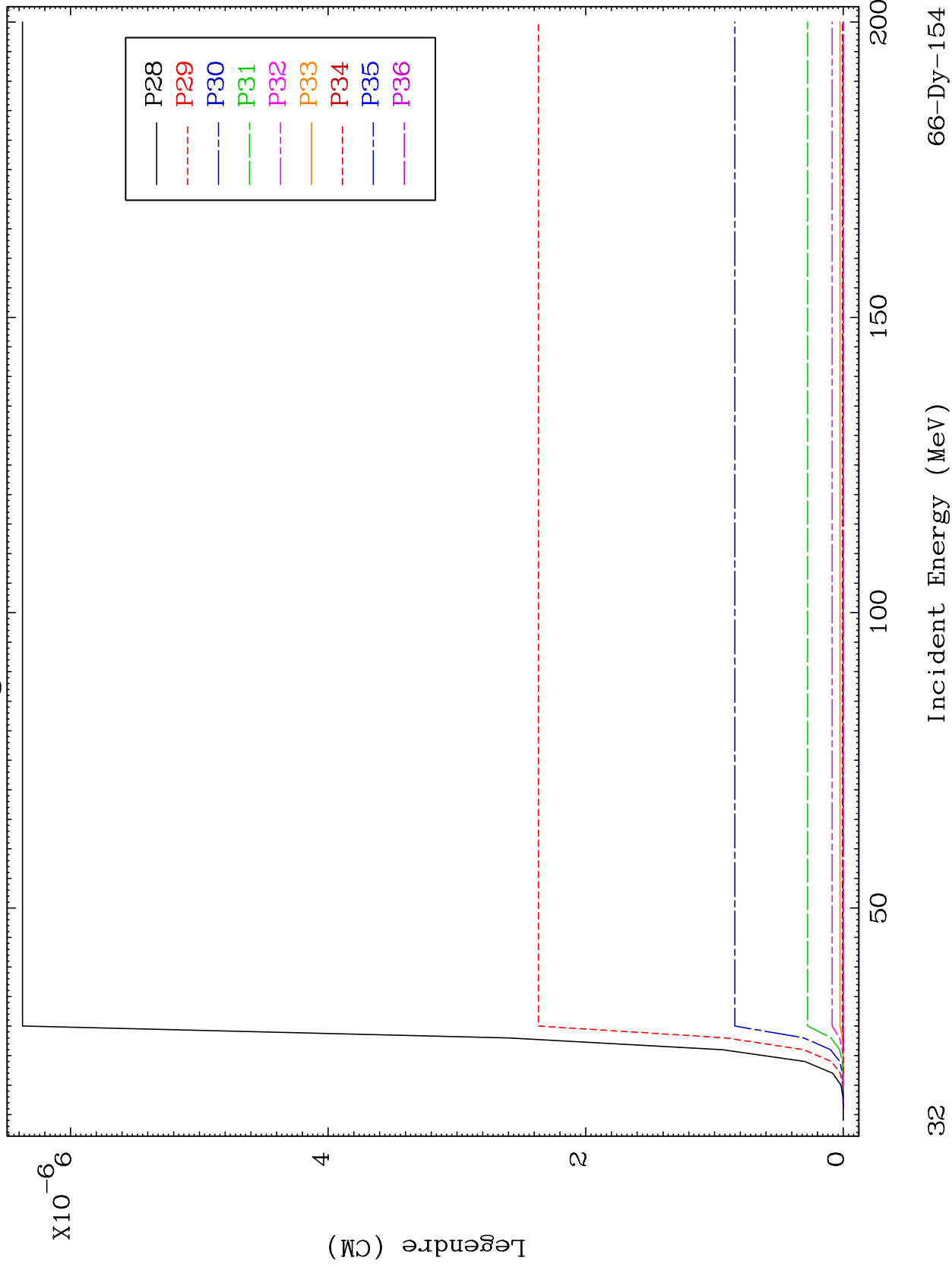
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MAT 6619

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

66-Dy-154

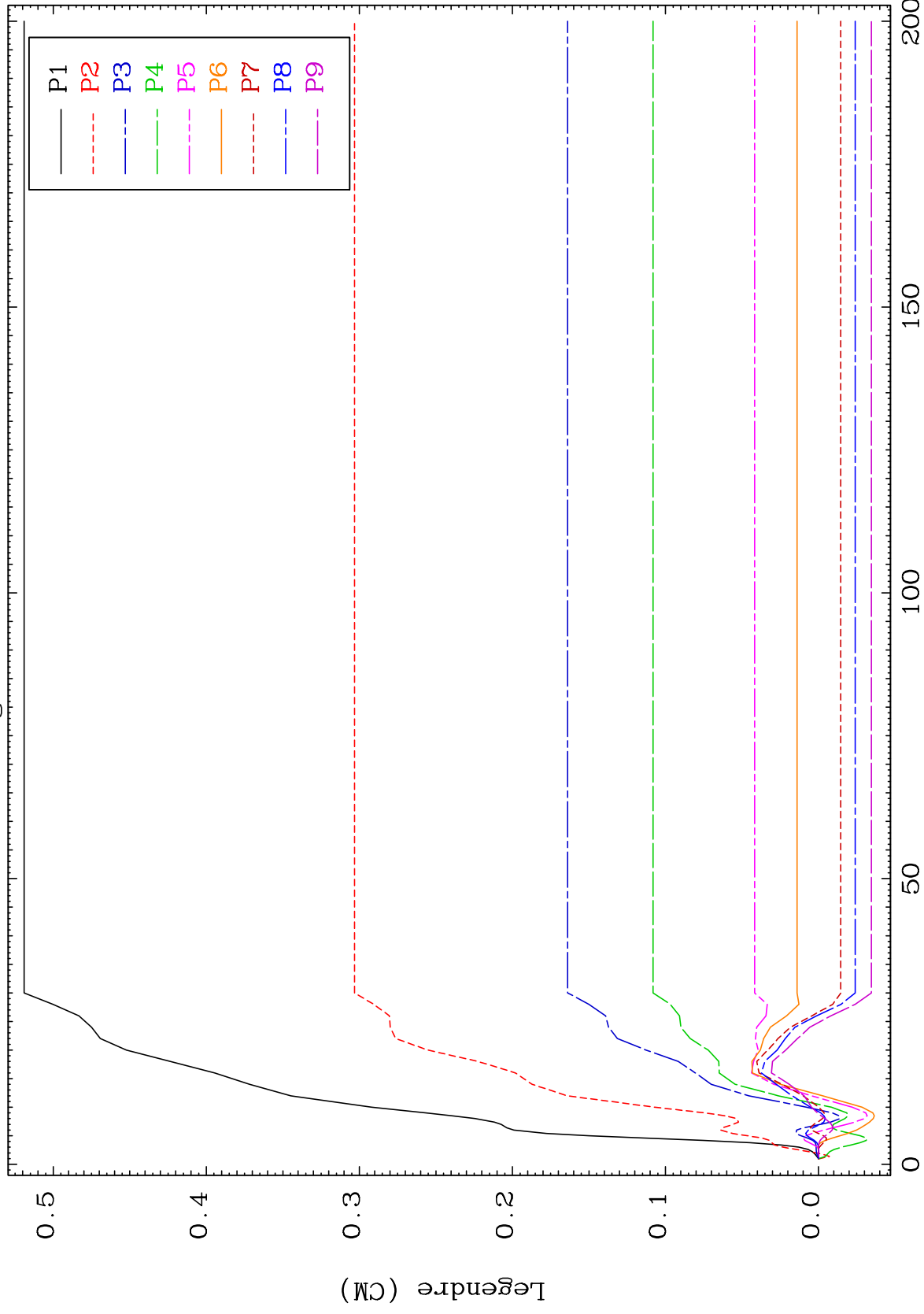


32

MAT 6619

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

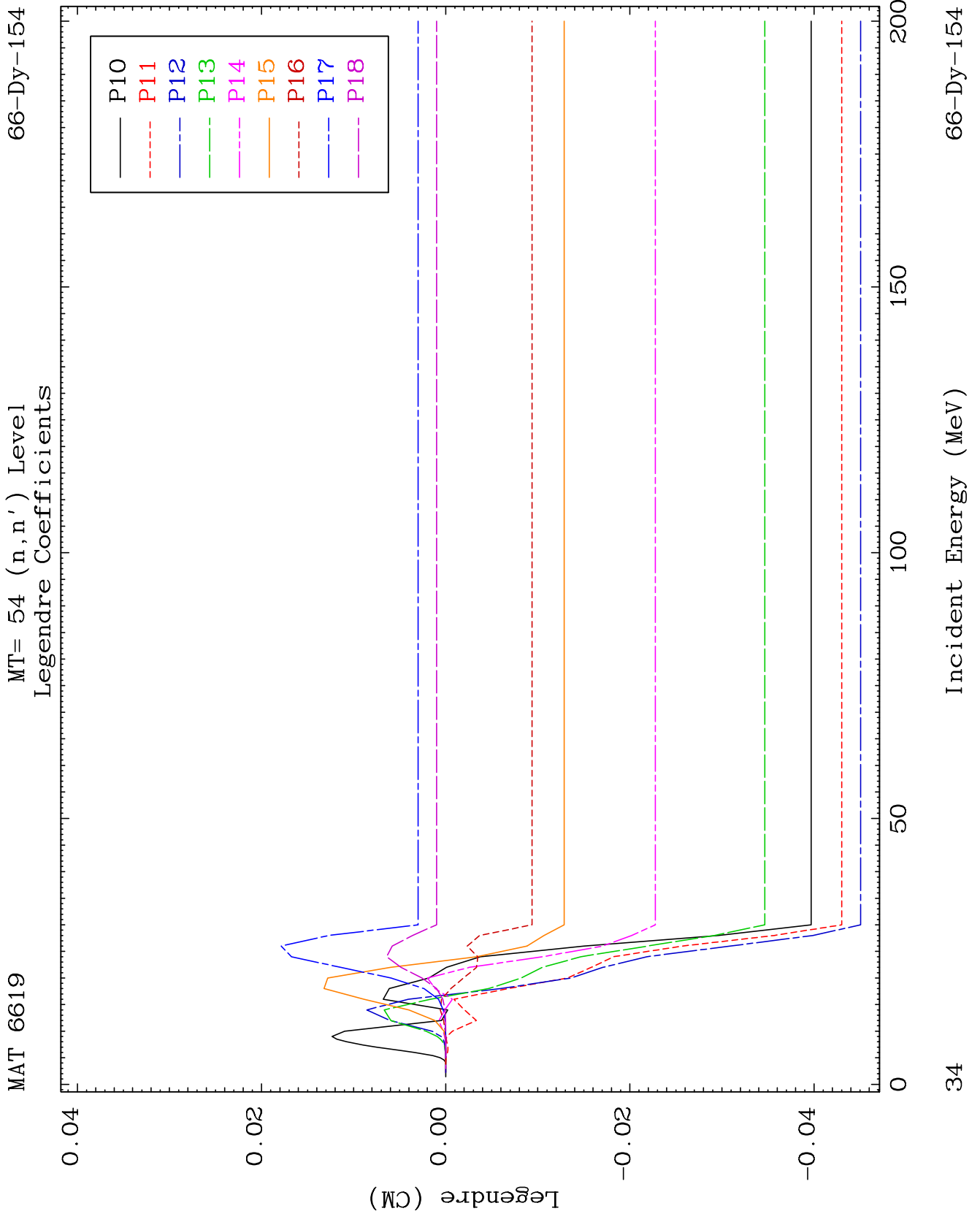
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33

Incident Energy (MeV)

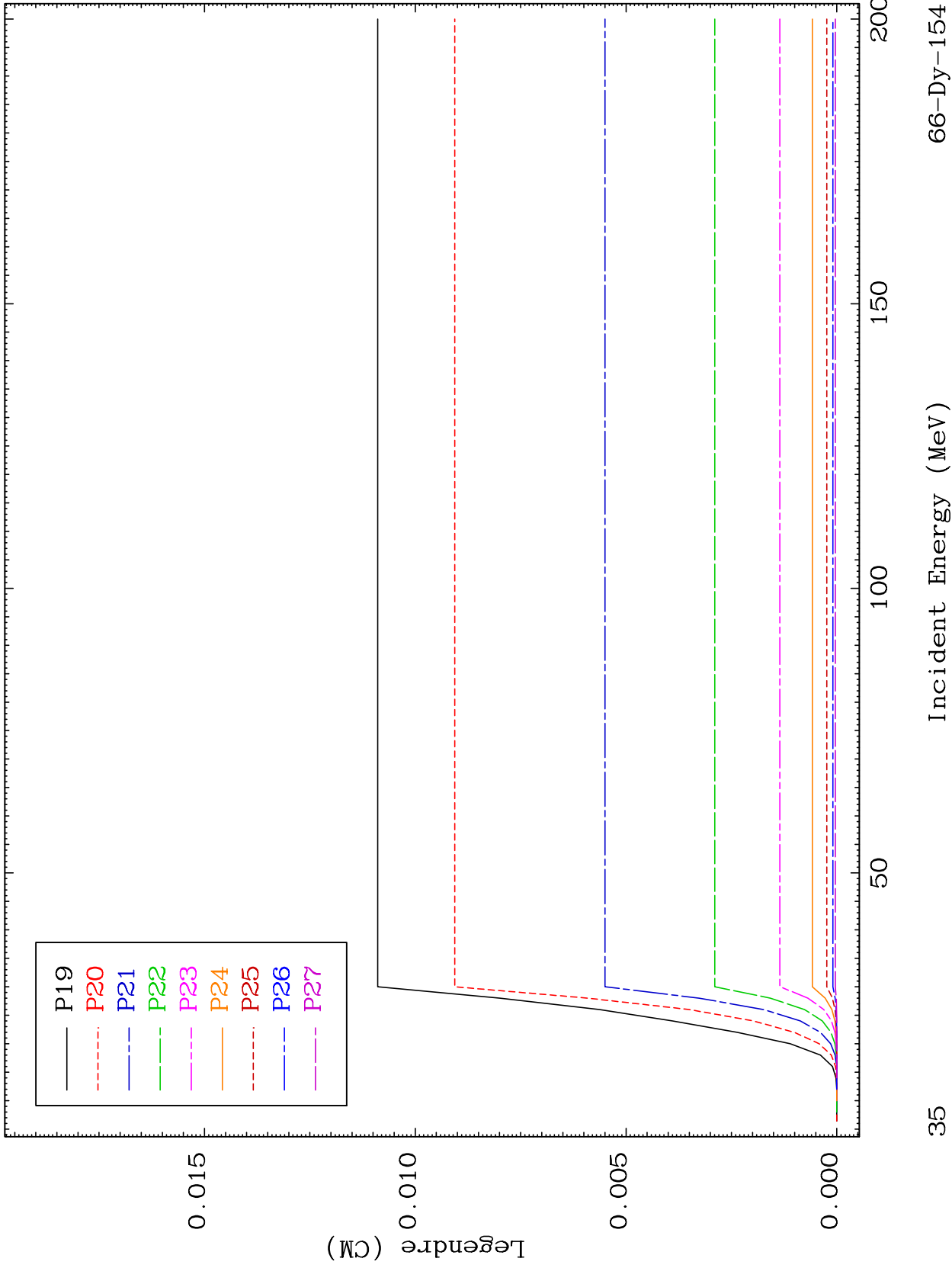
66-Dy-154



MAT 6619

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

66-Dy-154



35

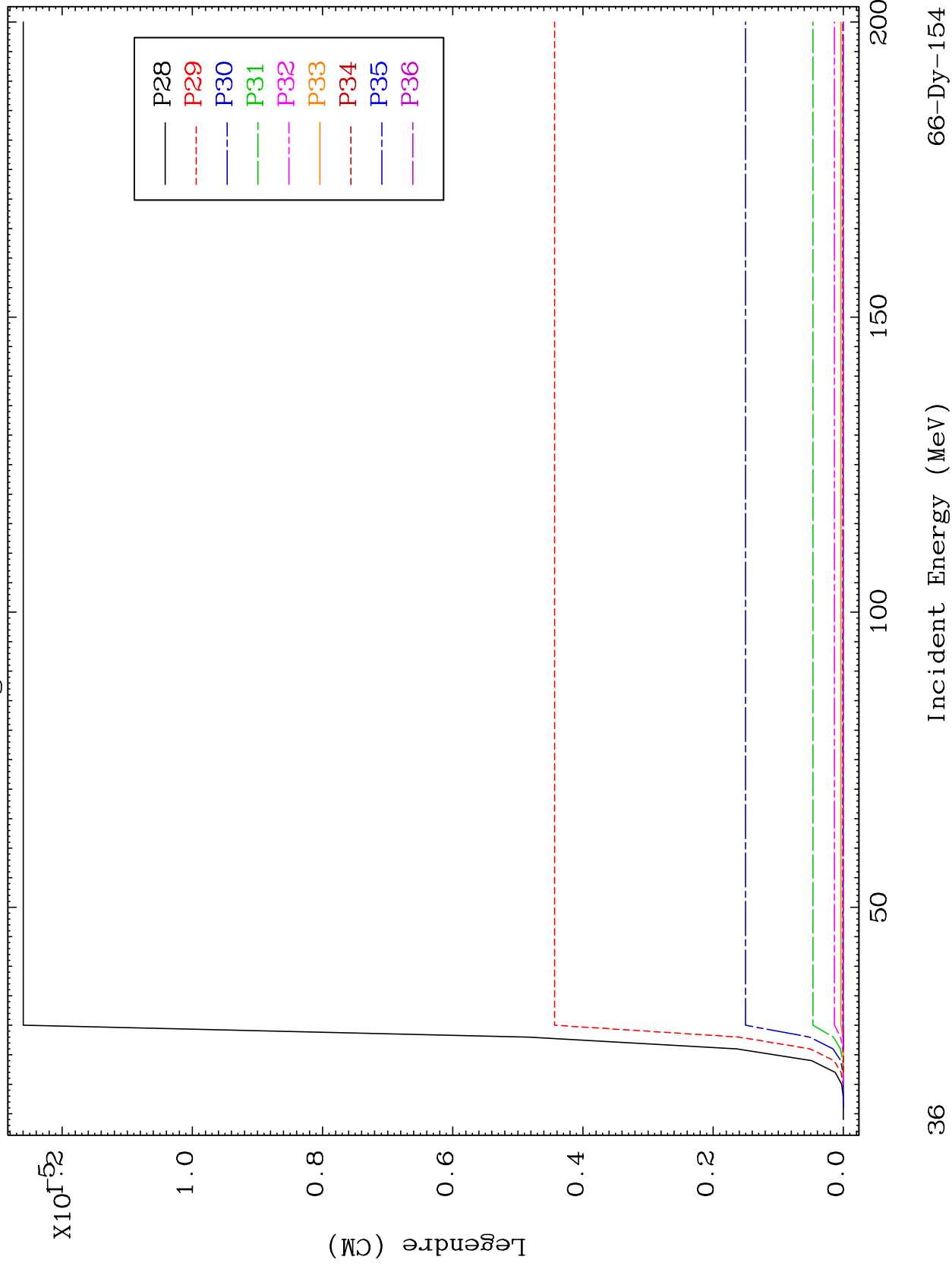
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



36

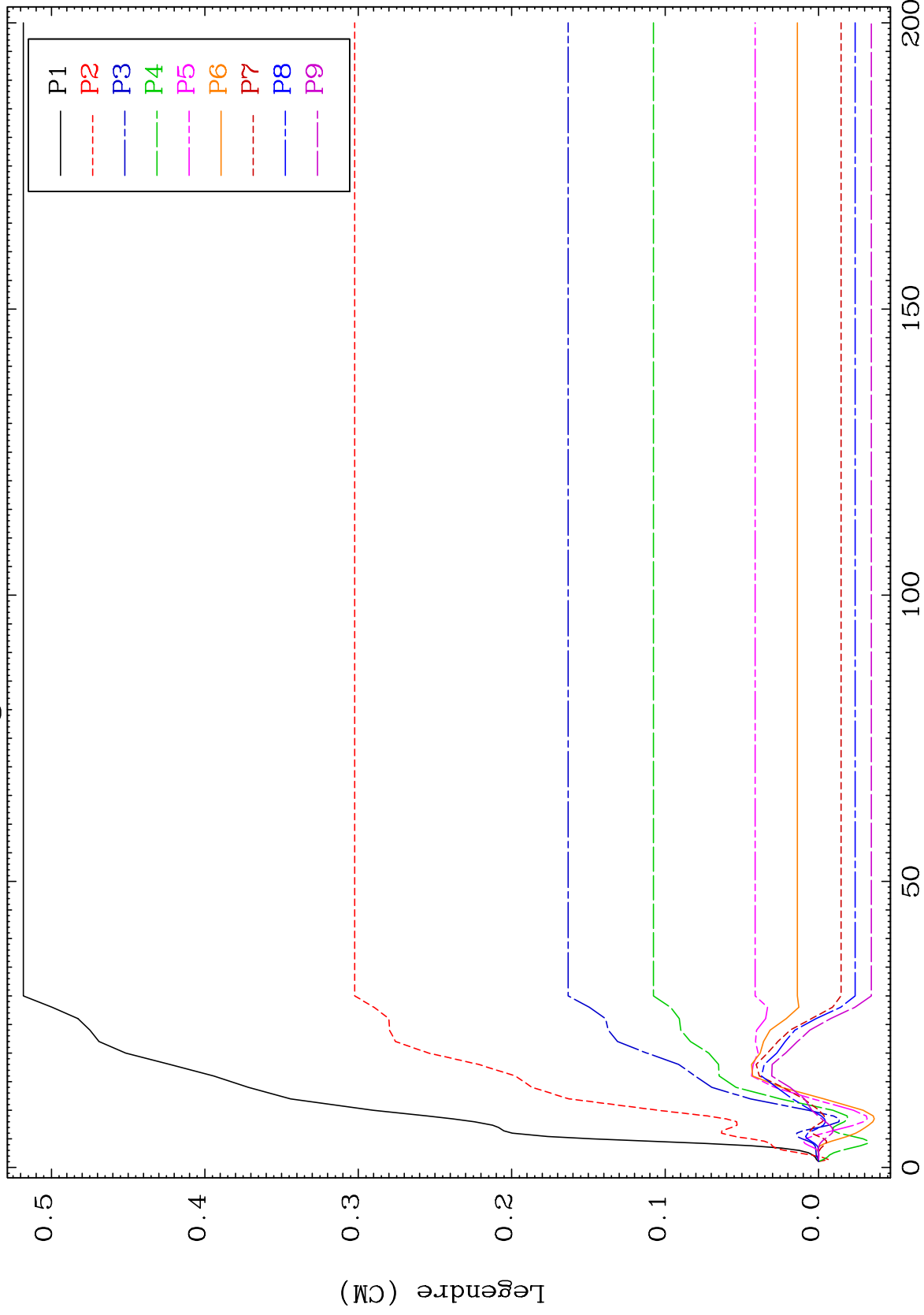
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



37

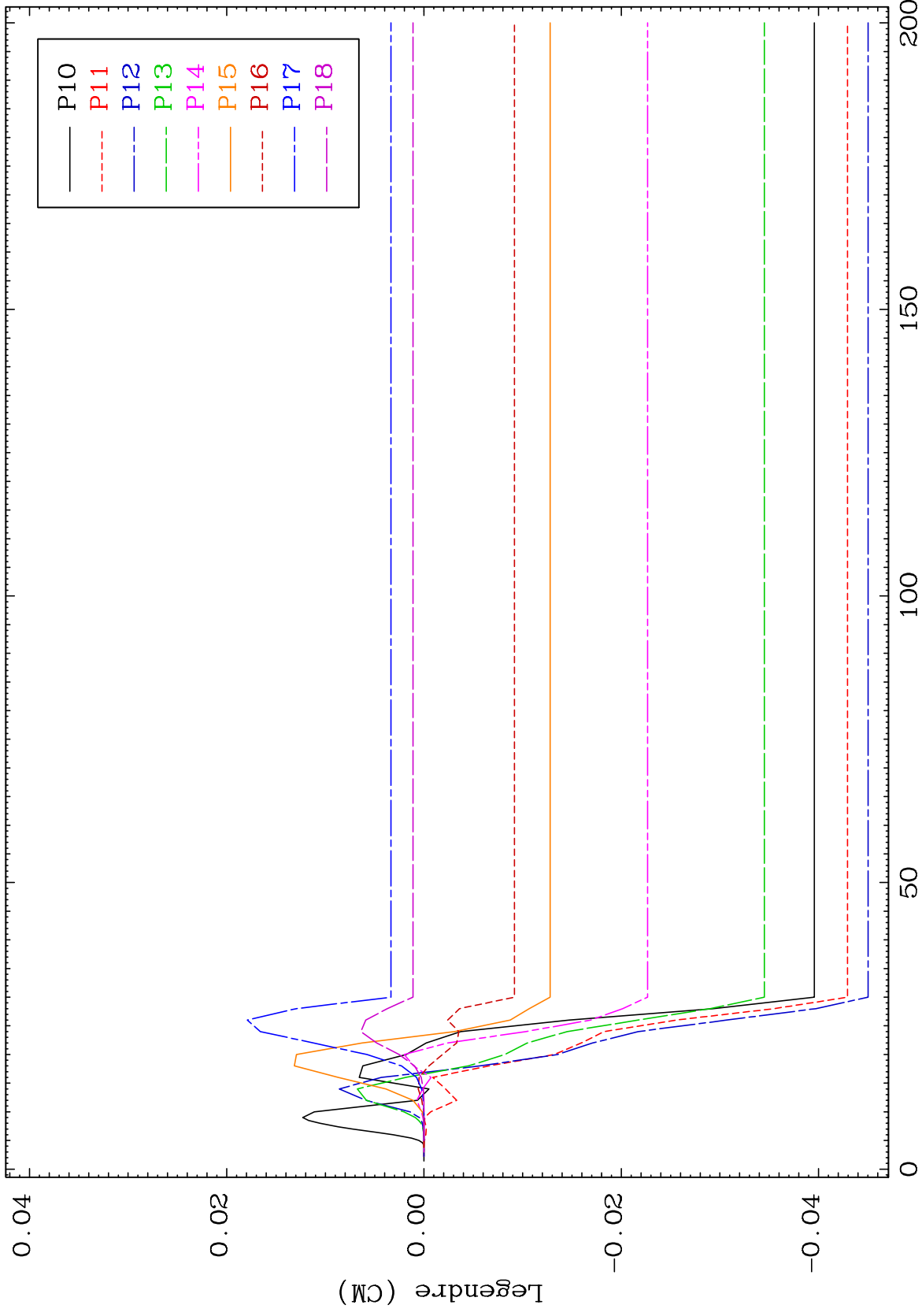
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



38

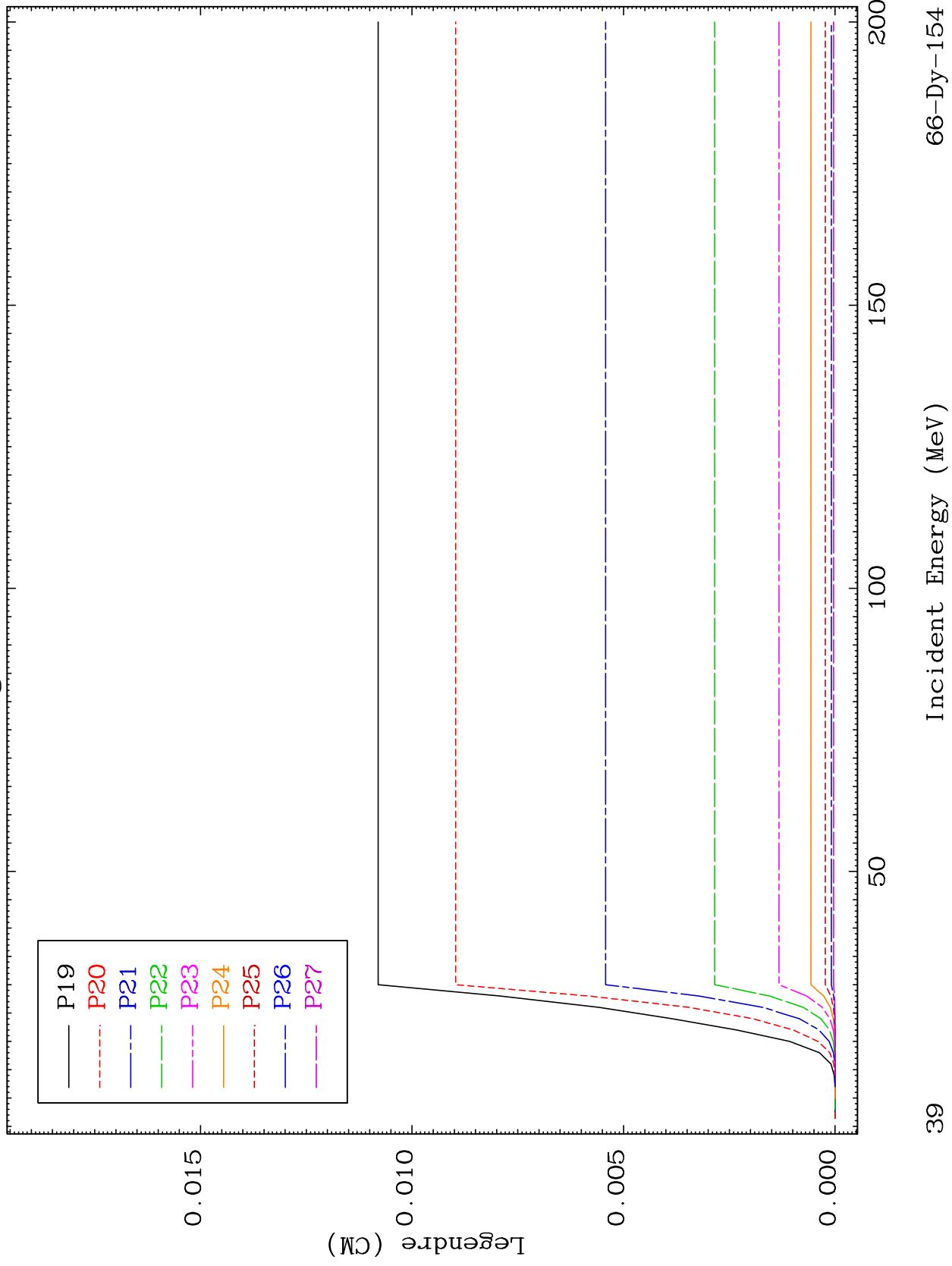
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



39

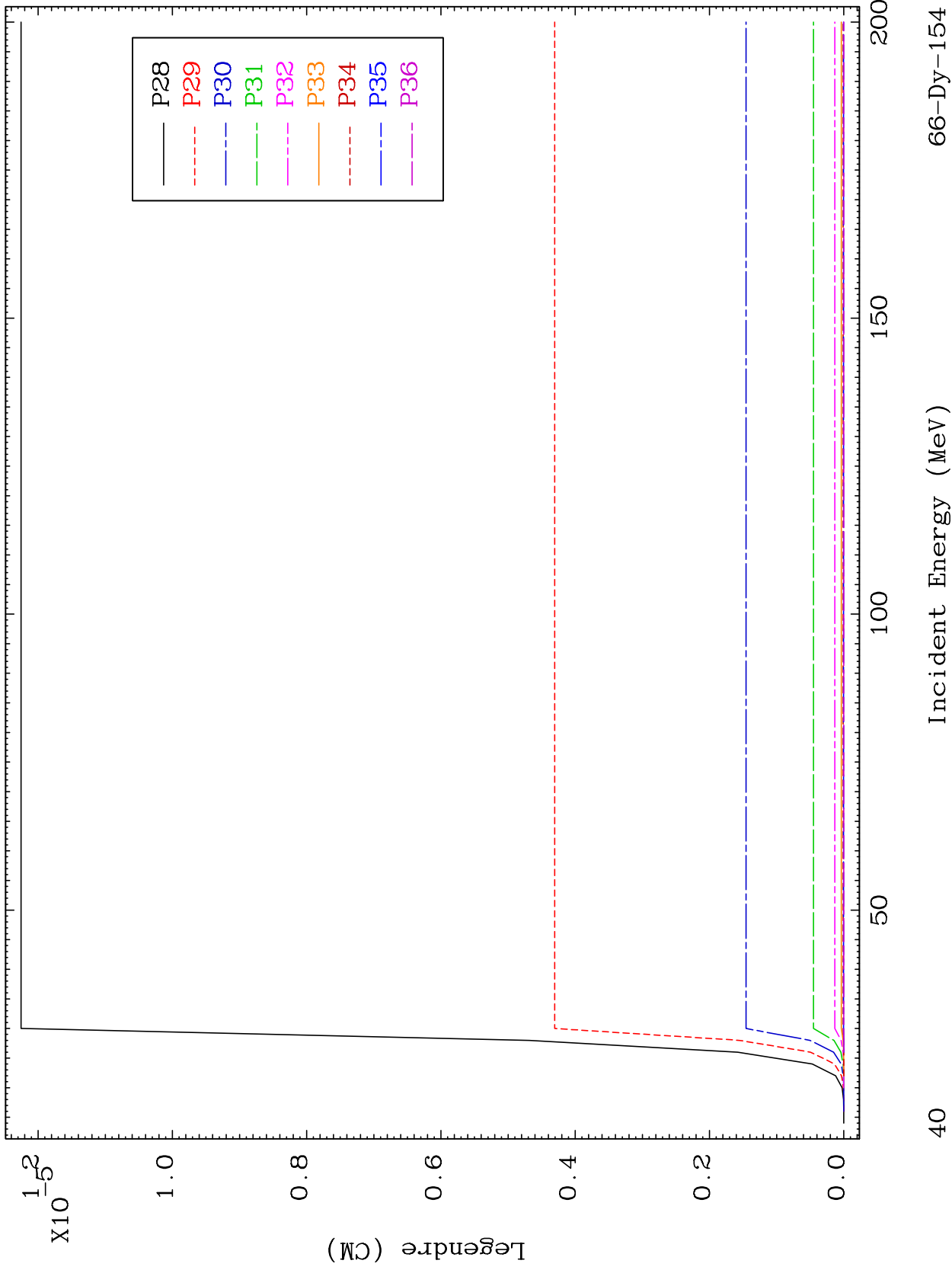
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

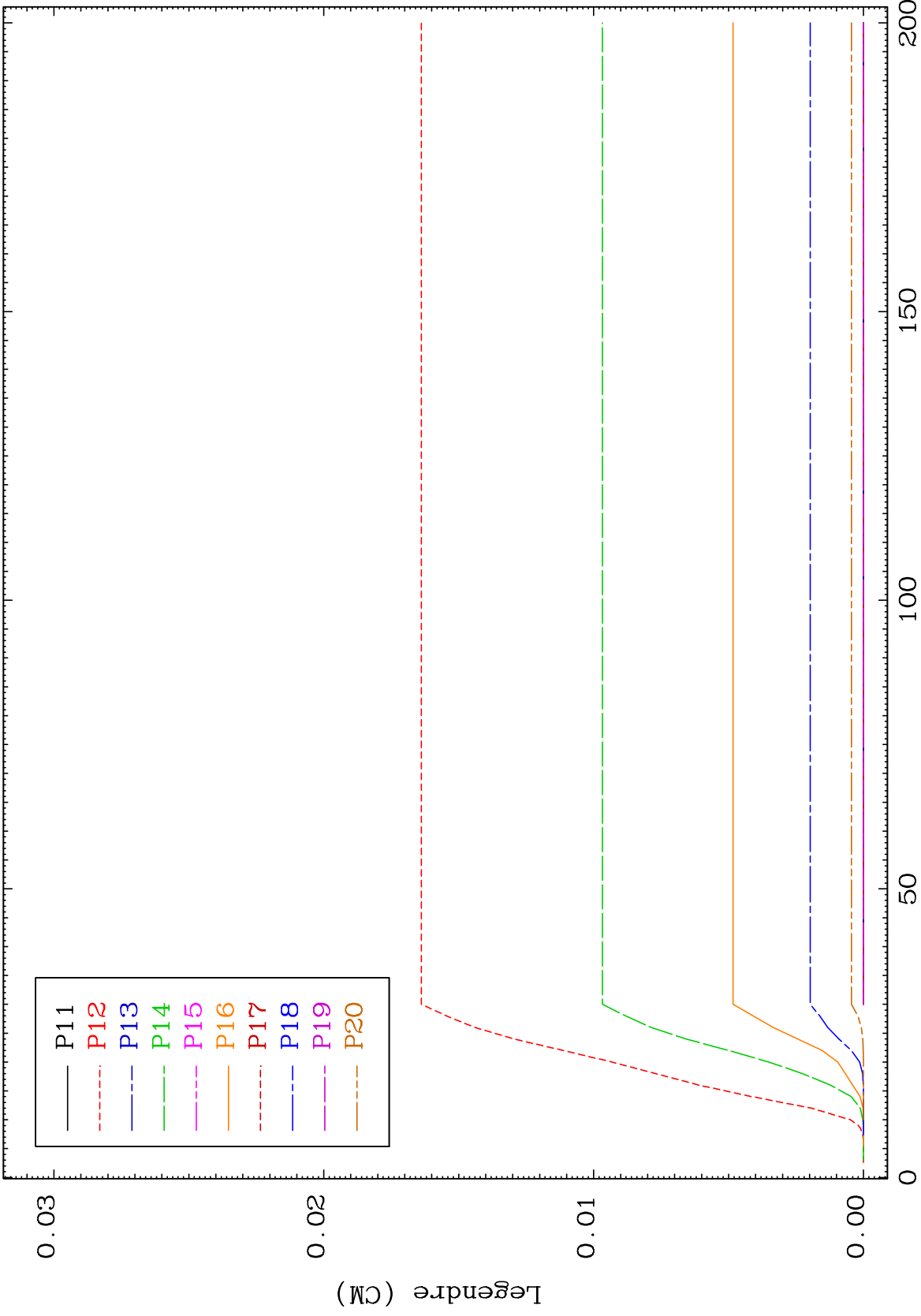
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MAT 6619

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

66-Dy-154



42

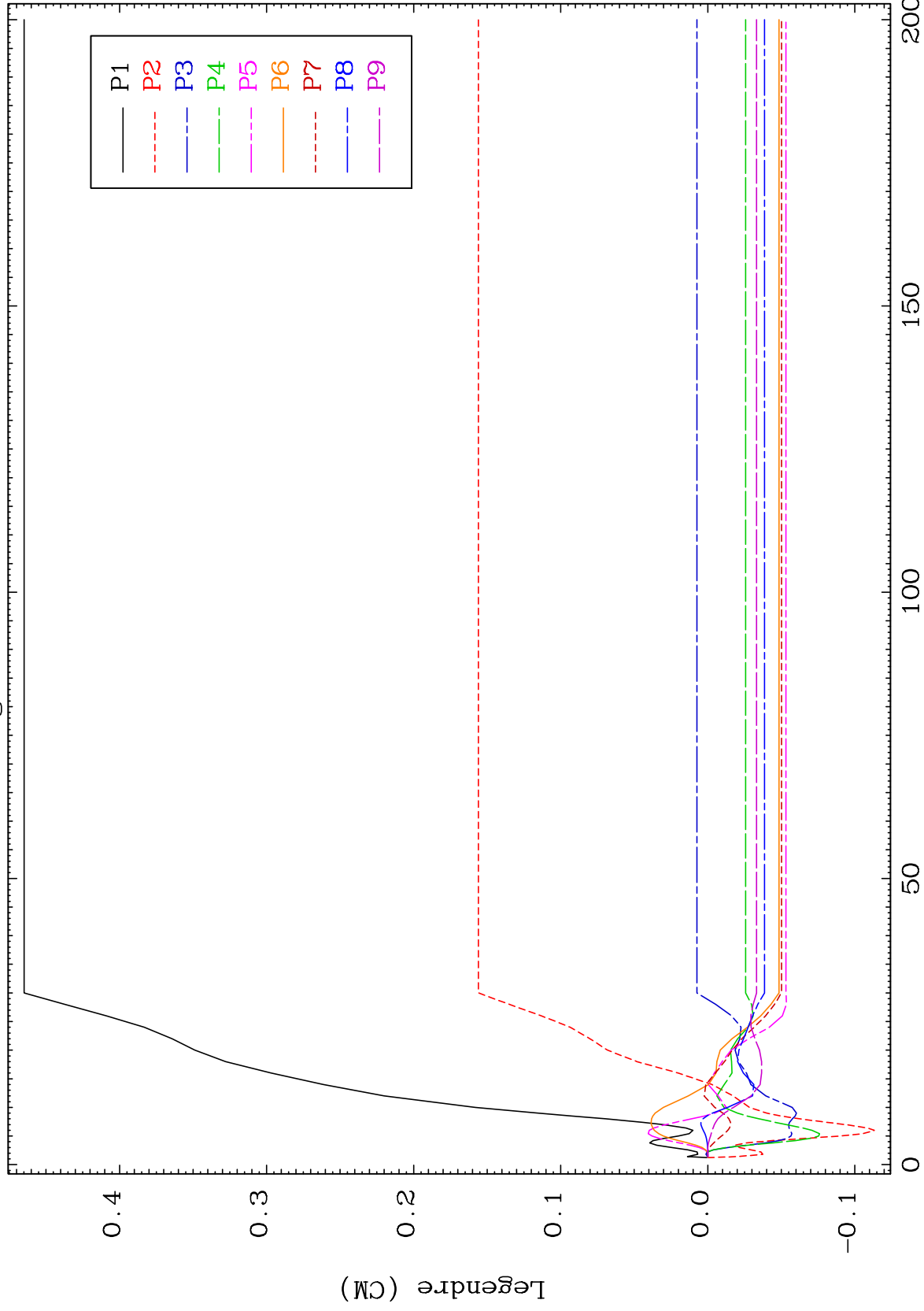
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



44

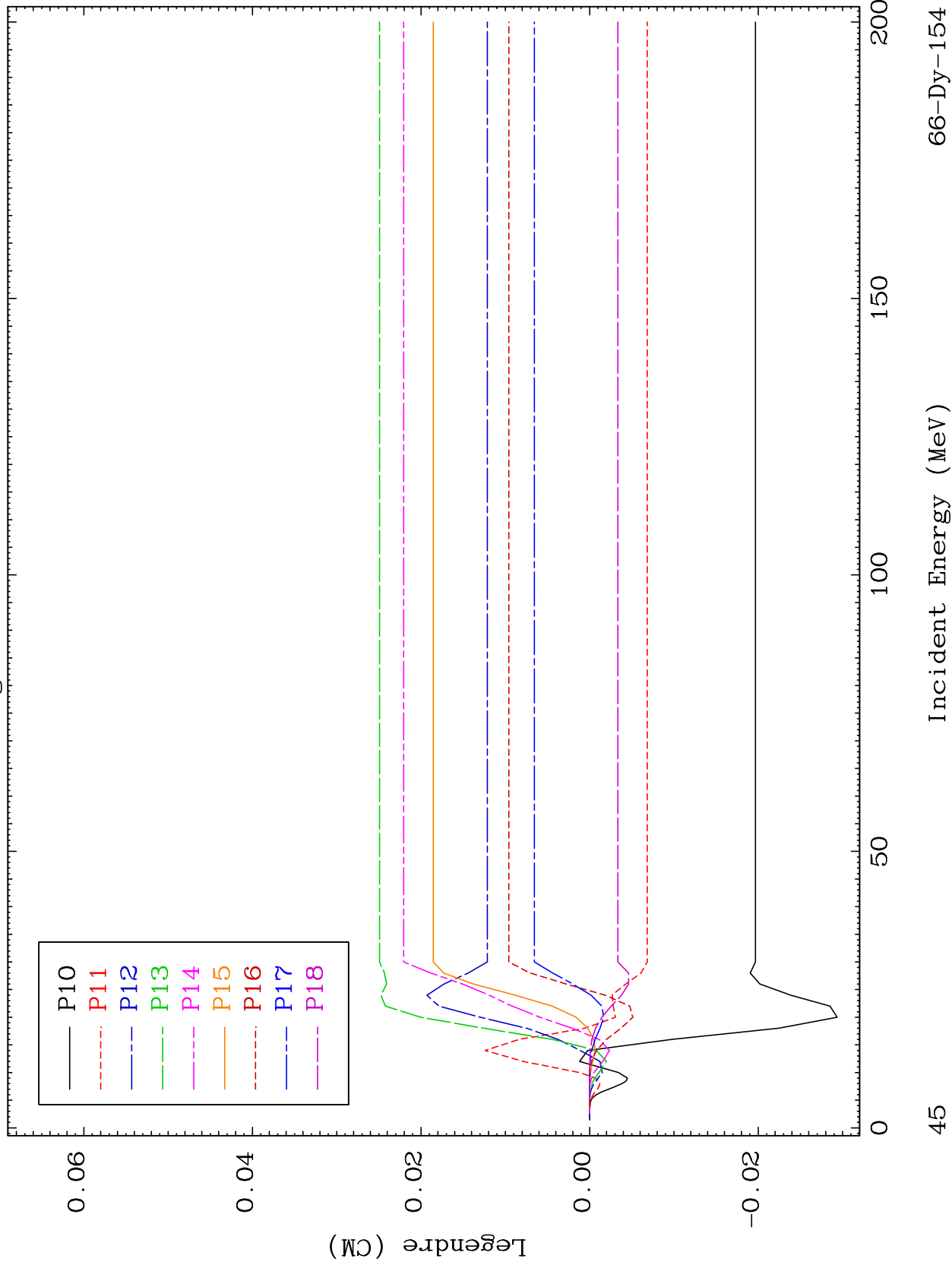
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



66-Dy-154

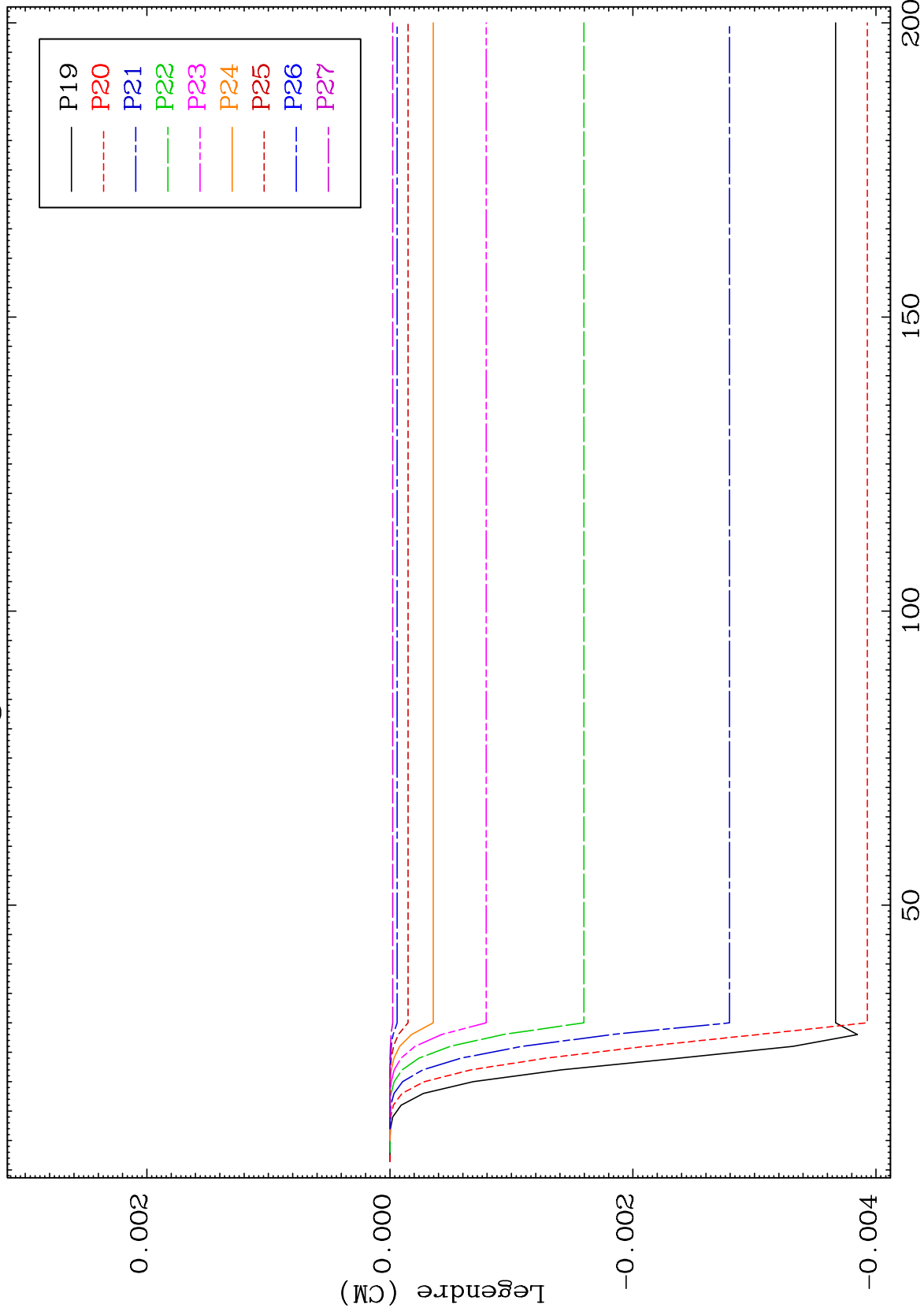
Incident Energy (MeV)

45

MAT 6619

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

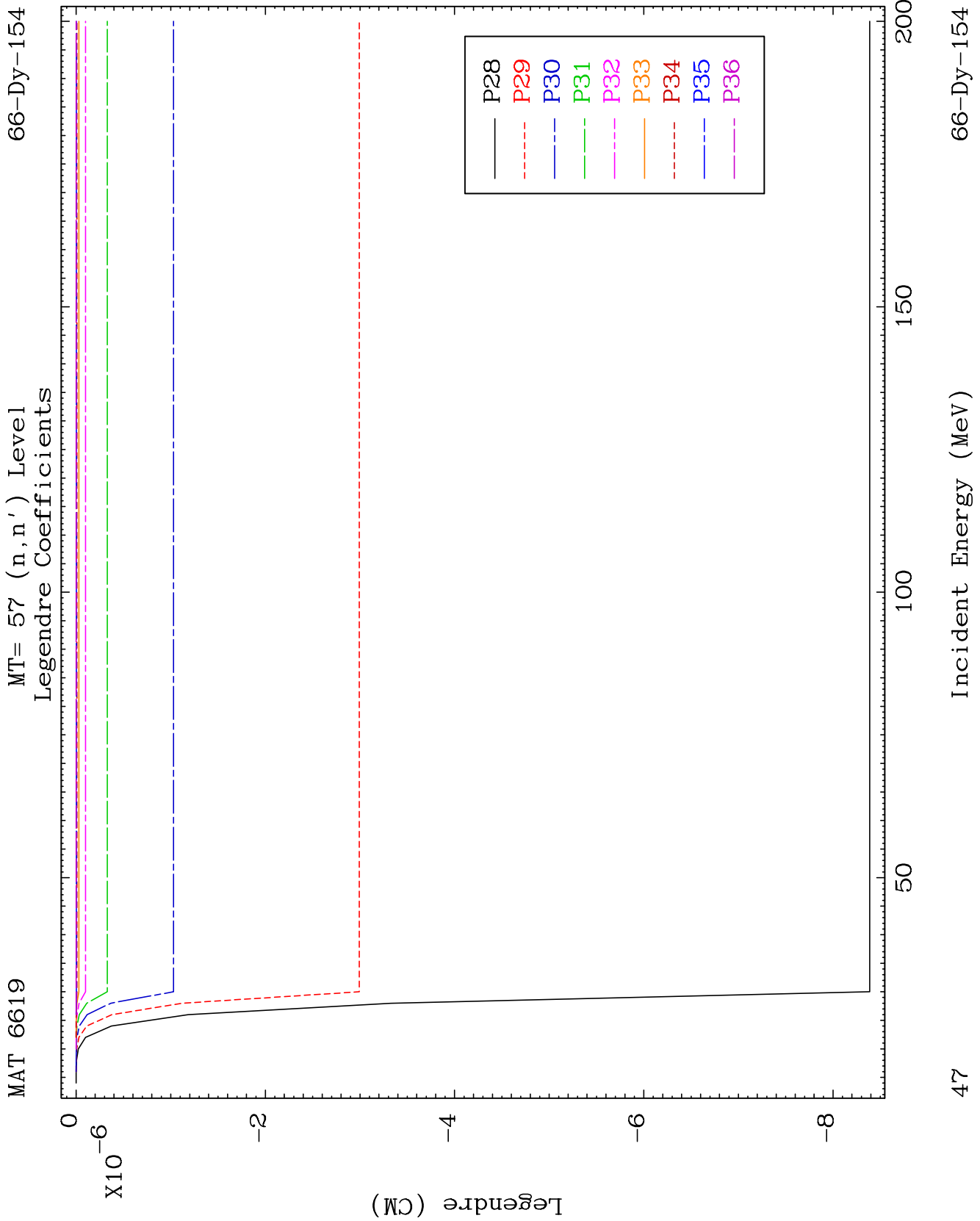
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46

Incident Energy (MeV)

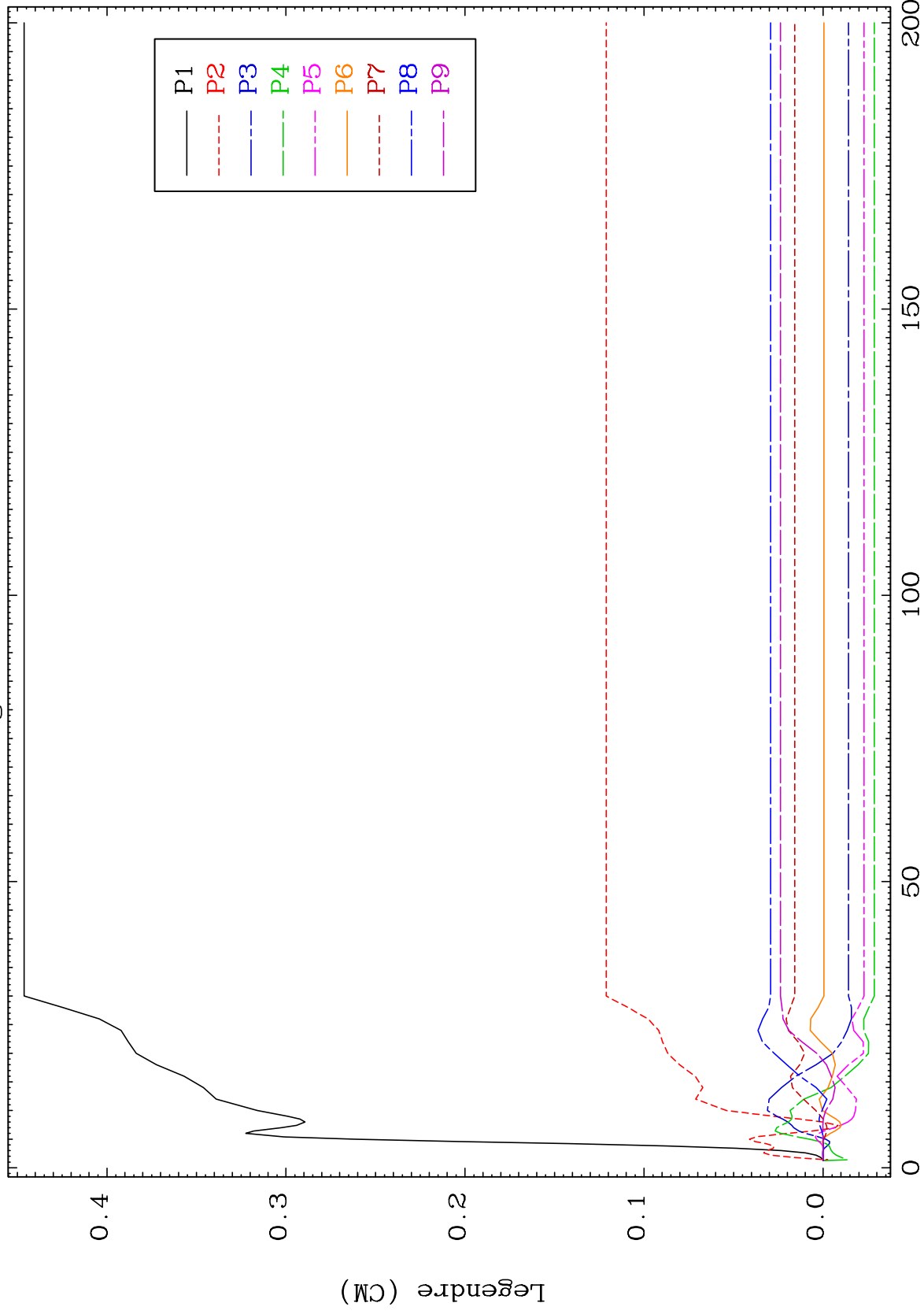
66-Dy-154



MAT 6619

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

66-Dy-154



48

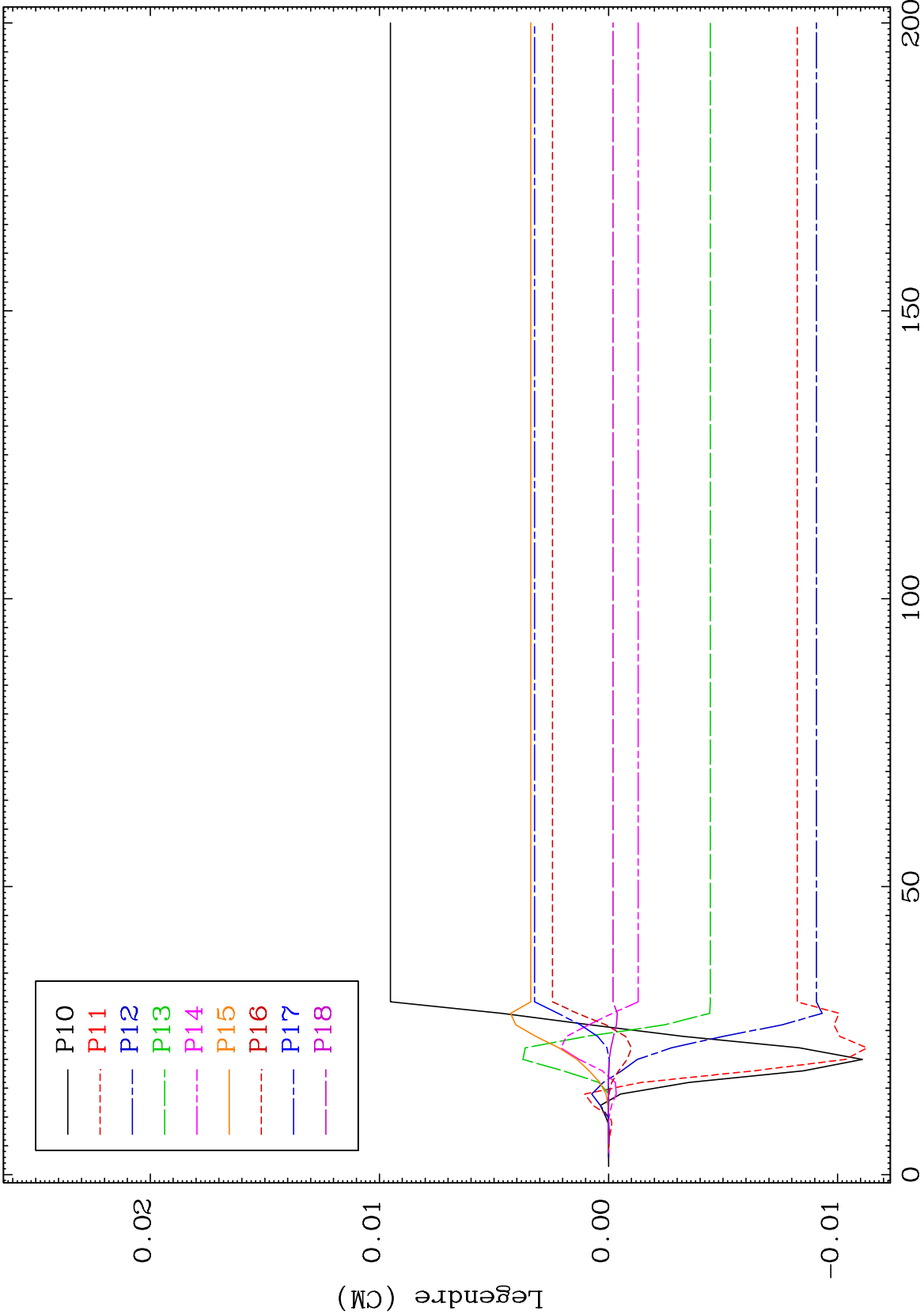
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



49

Incident Energy (MeV)

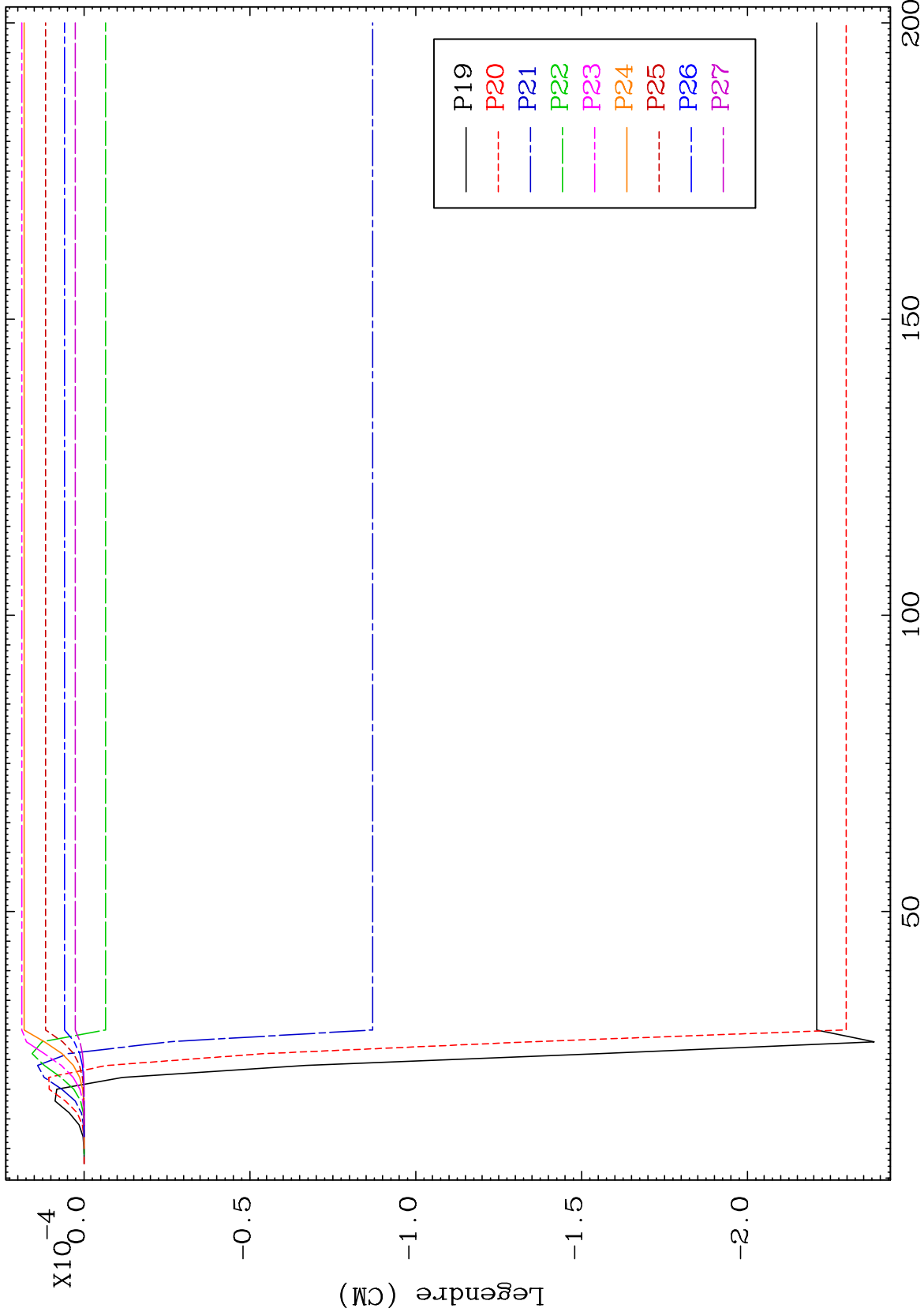
66-Dy-154

MAT 6619

MT= 58 (n,n') Level

66-Dy-154

Legendre Coefficients



50

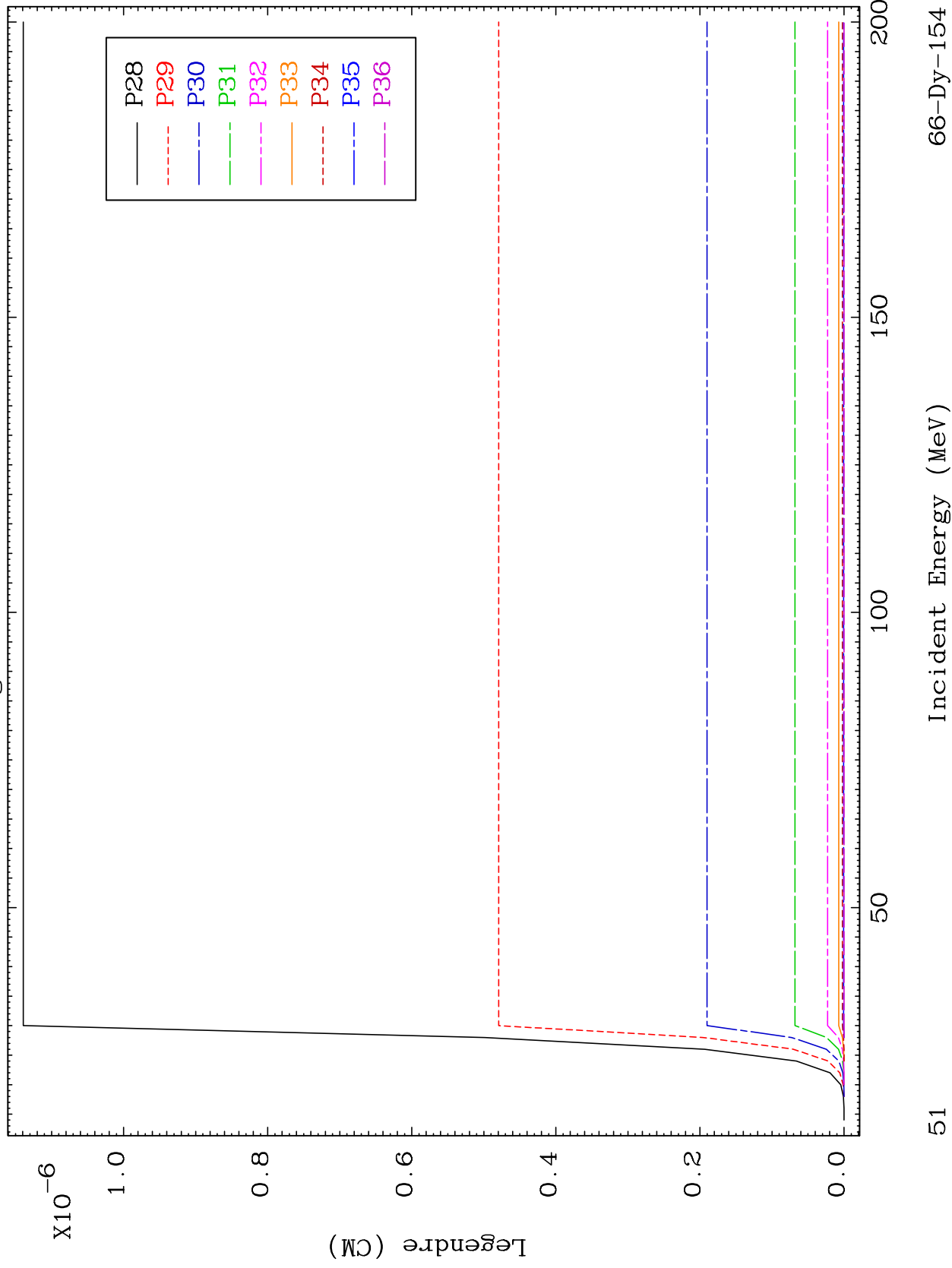
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



51

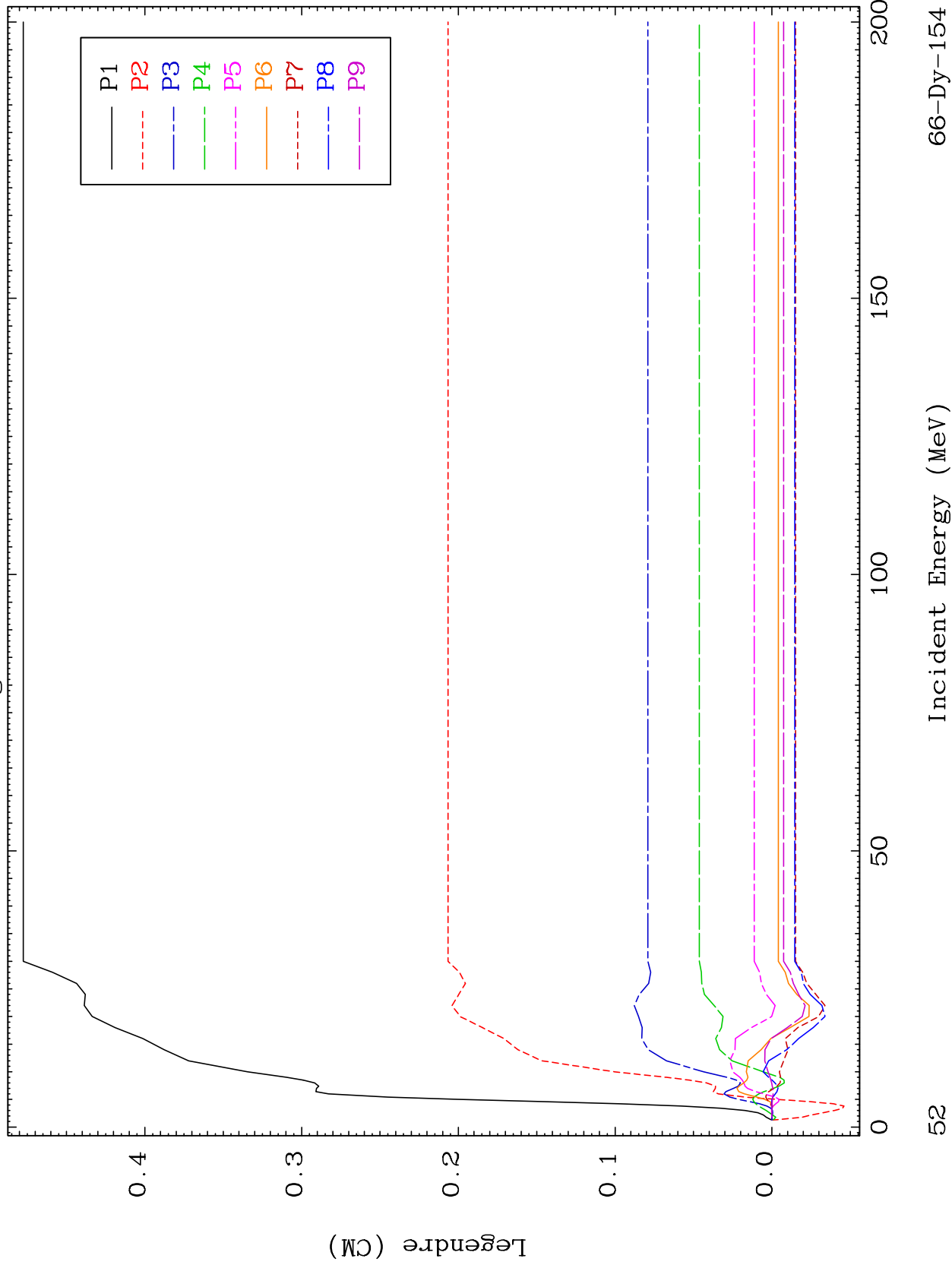
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

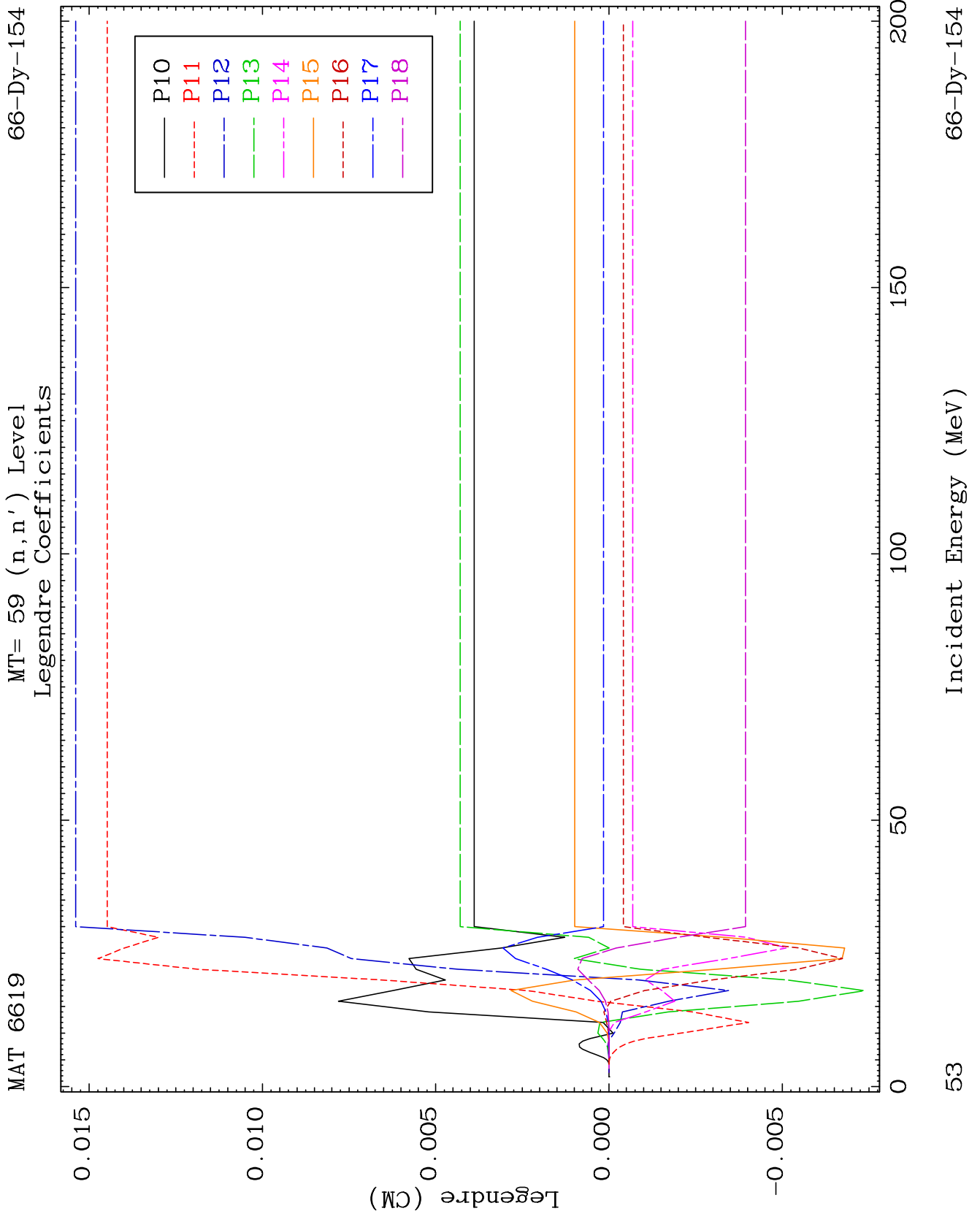
66-Dy-154



66-Dy-154

Incident Energy (MeV)

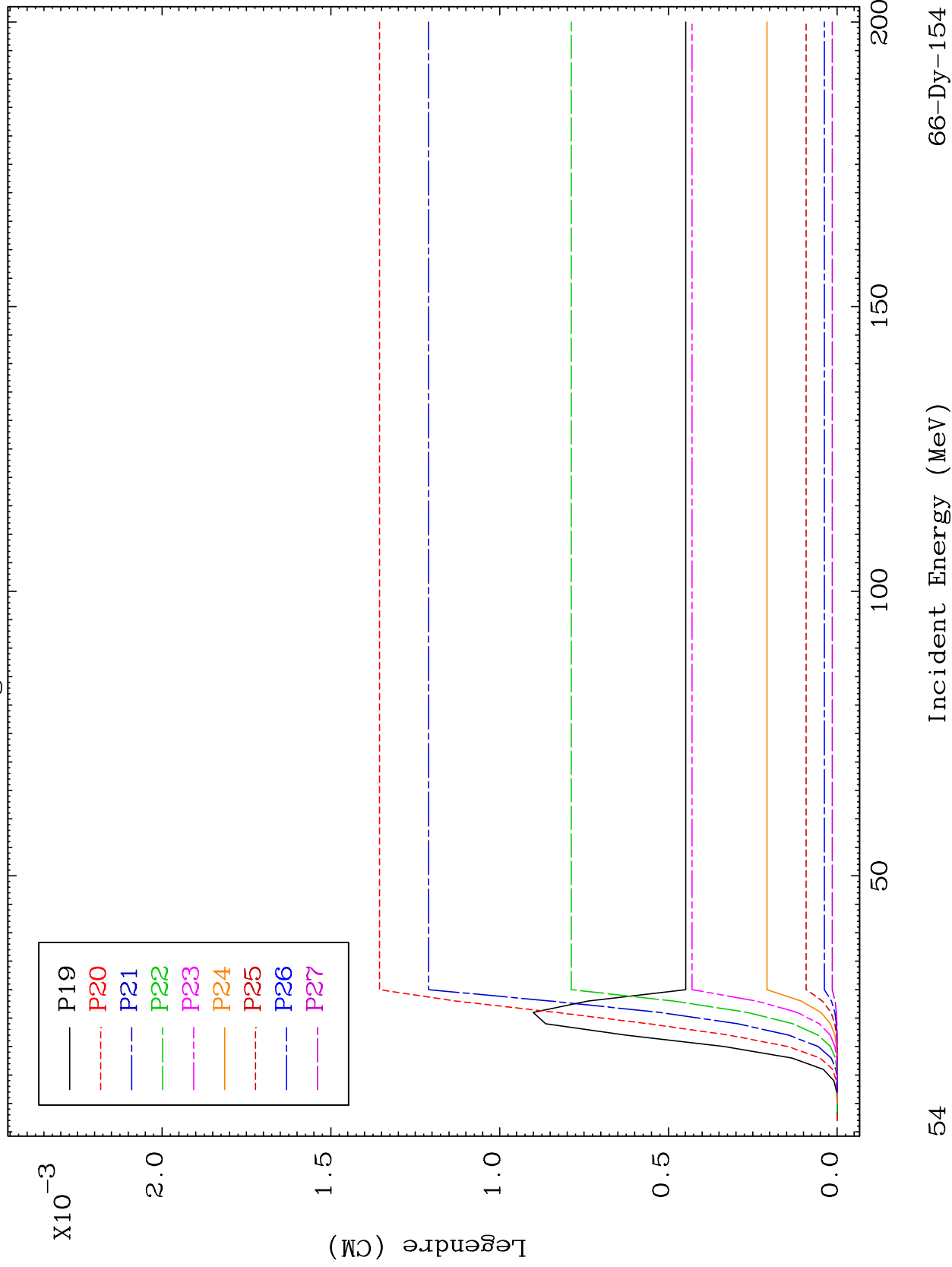
52



MAT 6619

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

66-Dy-154



54

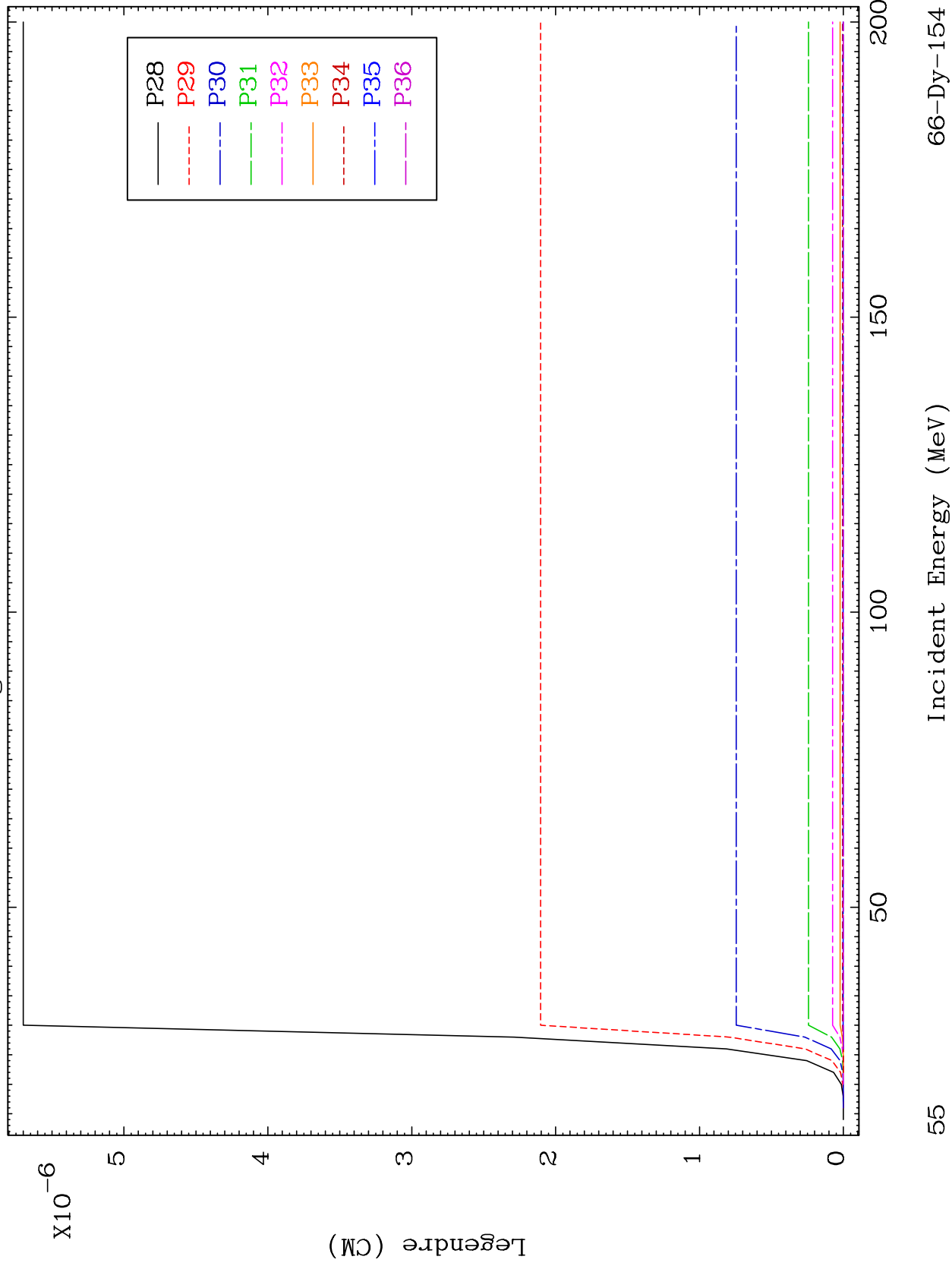
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



55

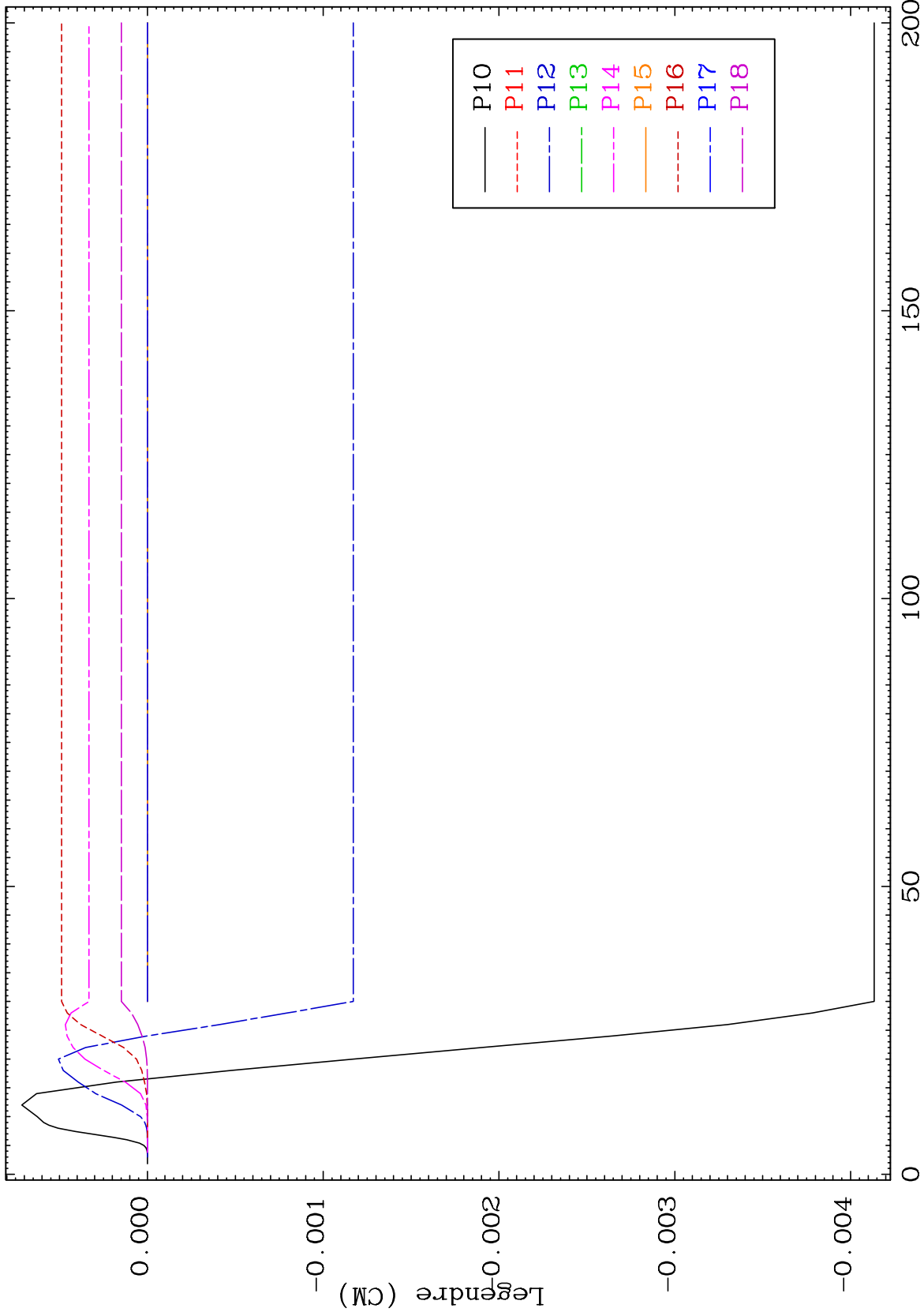
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

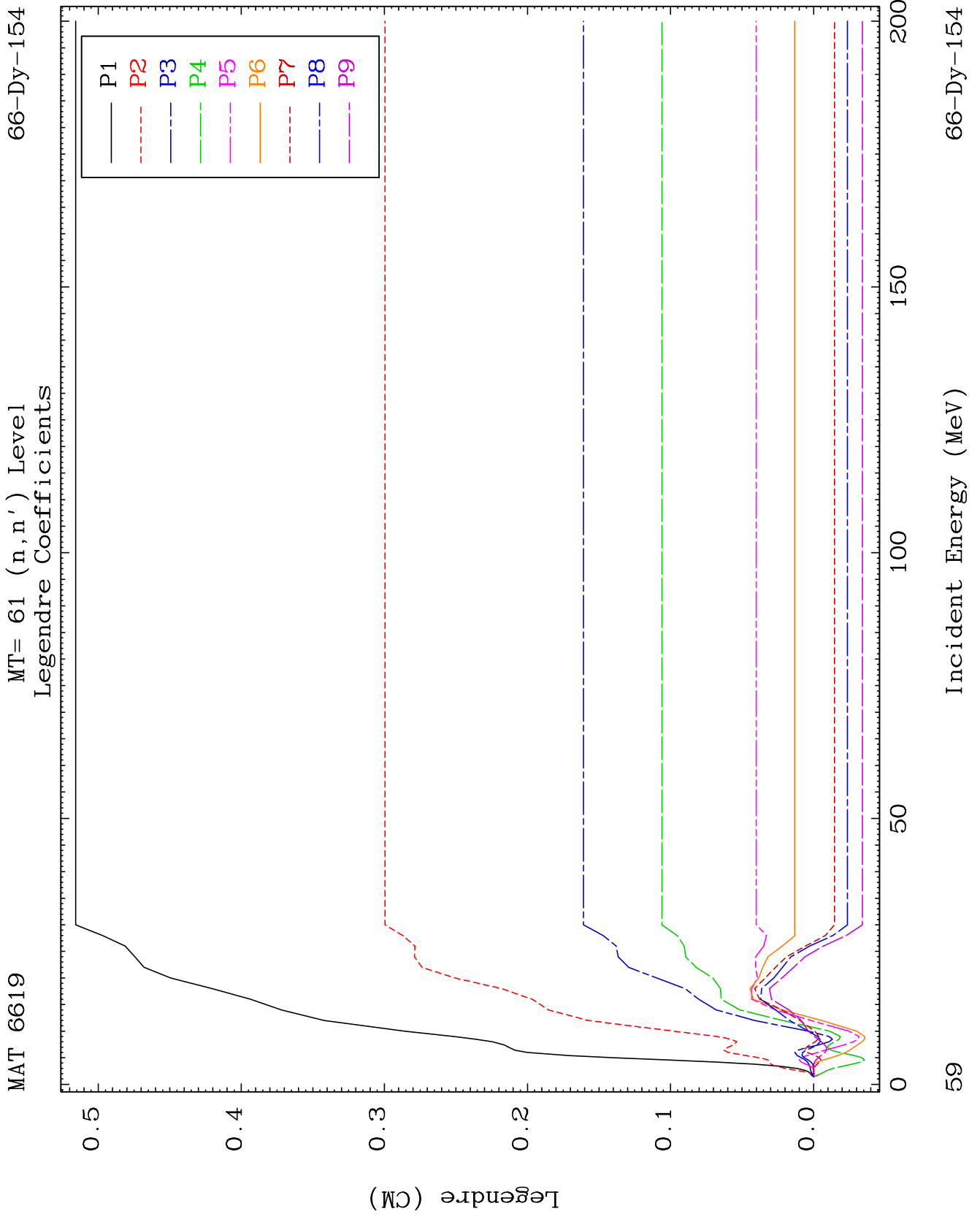
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57

Incident Energy (MeV)

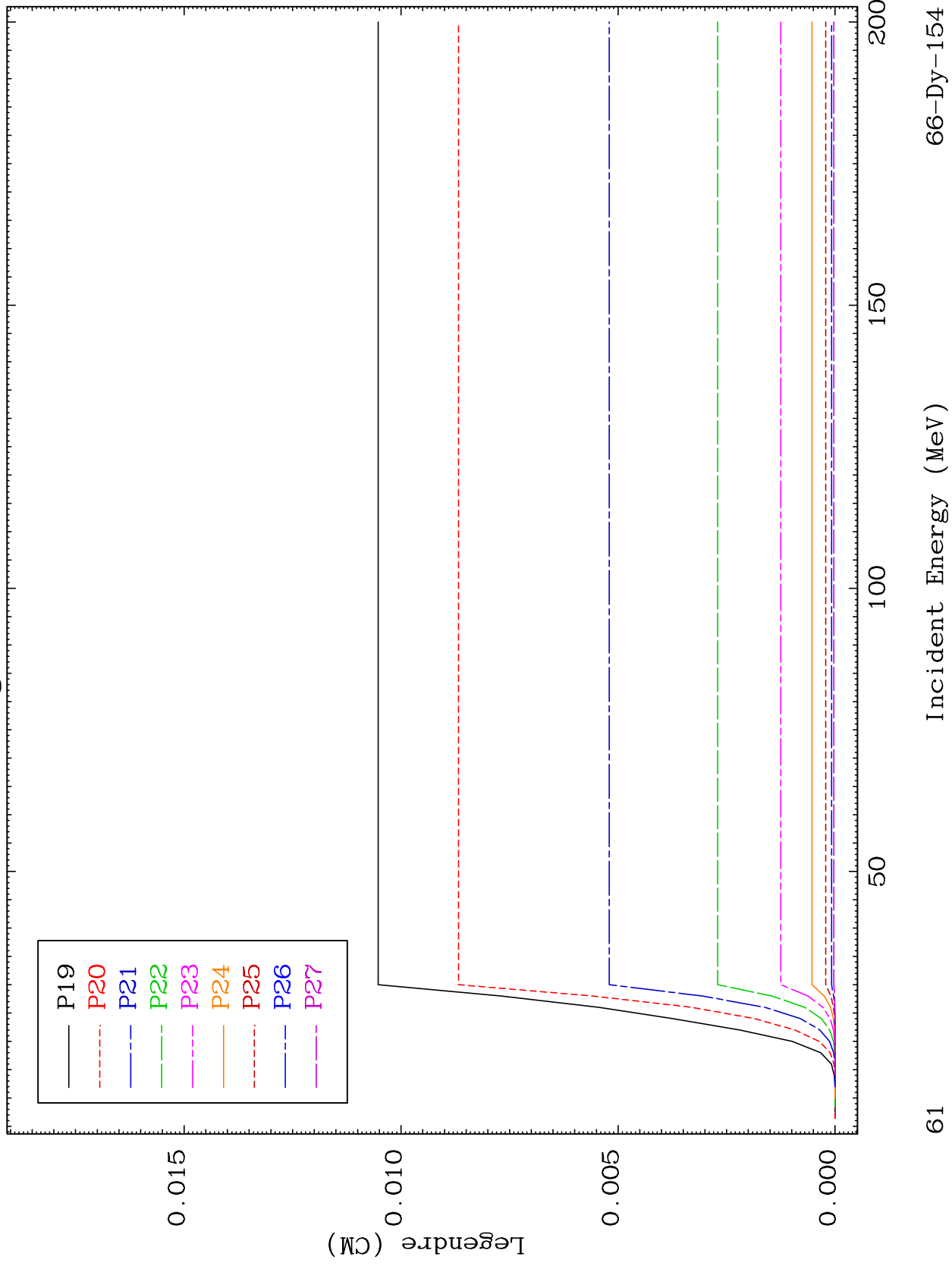
66-Dy-154



MAT 6619

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

66-Dy-154



61

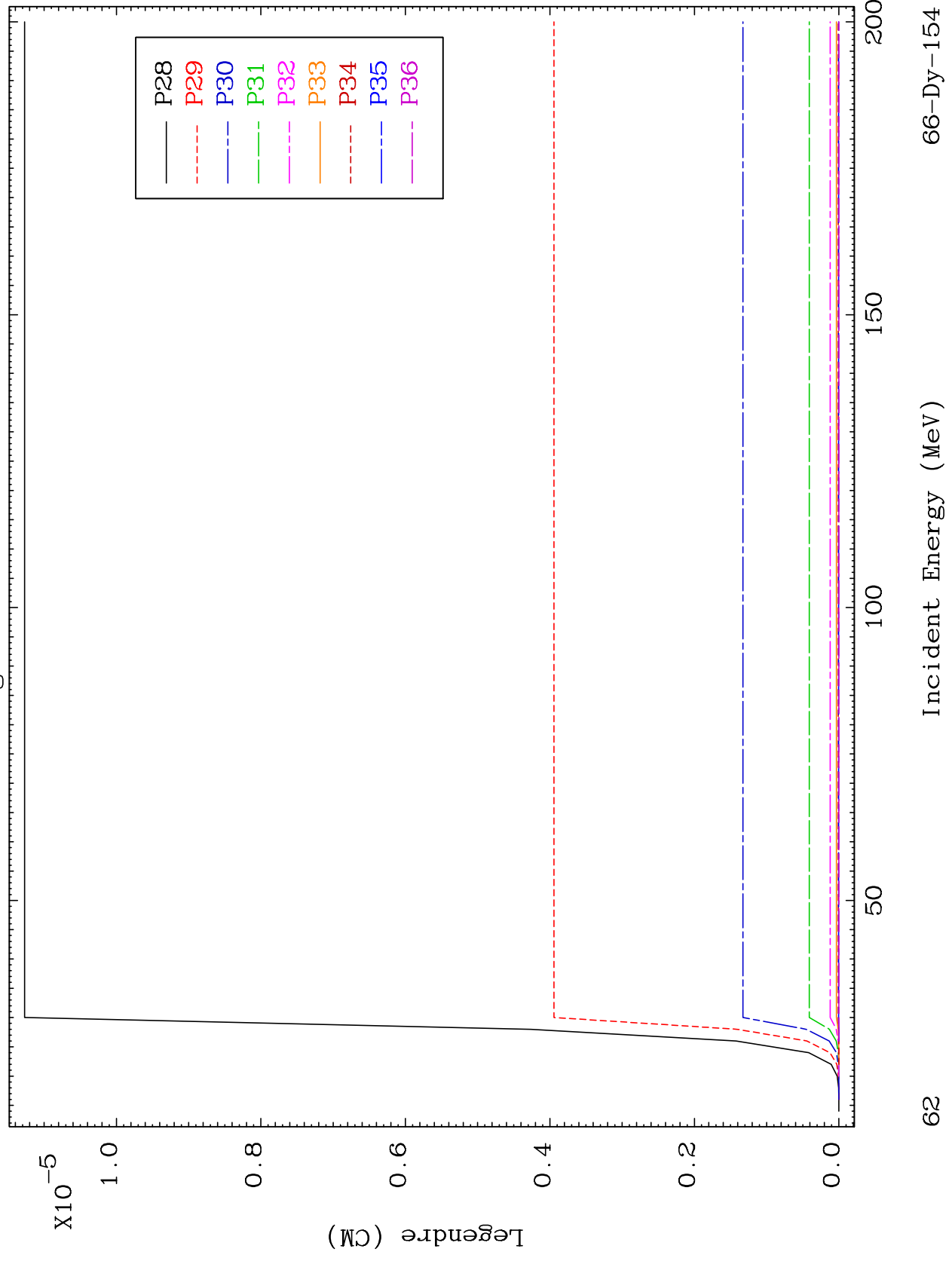
Incident Energy (MeV)

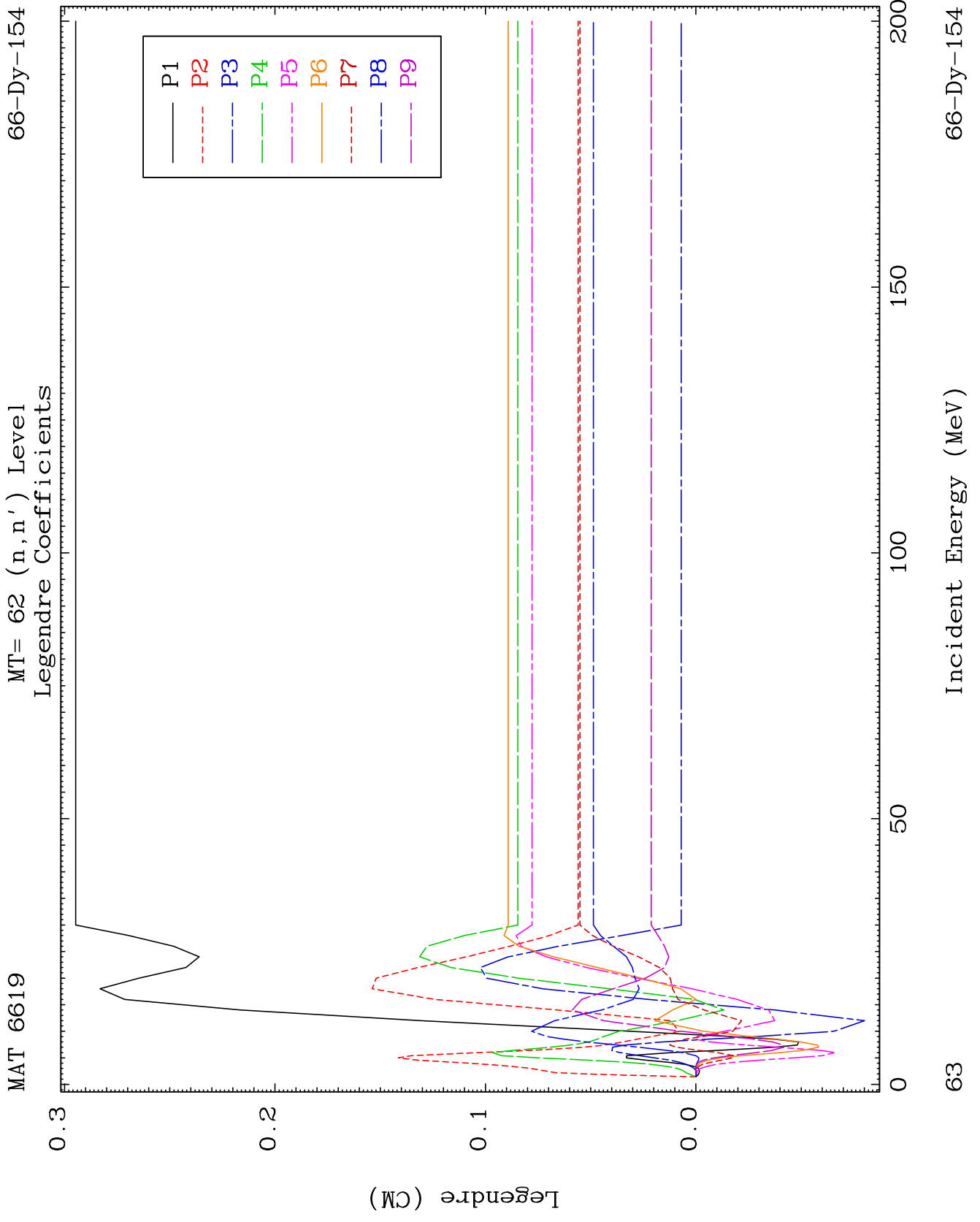
66-Dy-154

MAT 6619

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

66-Dy-154

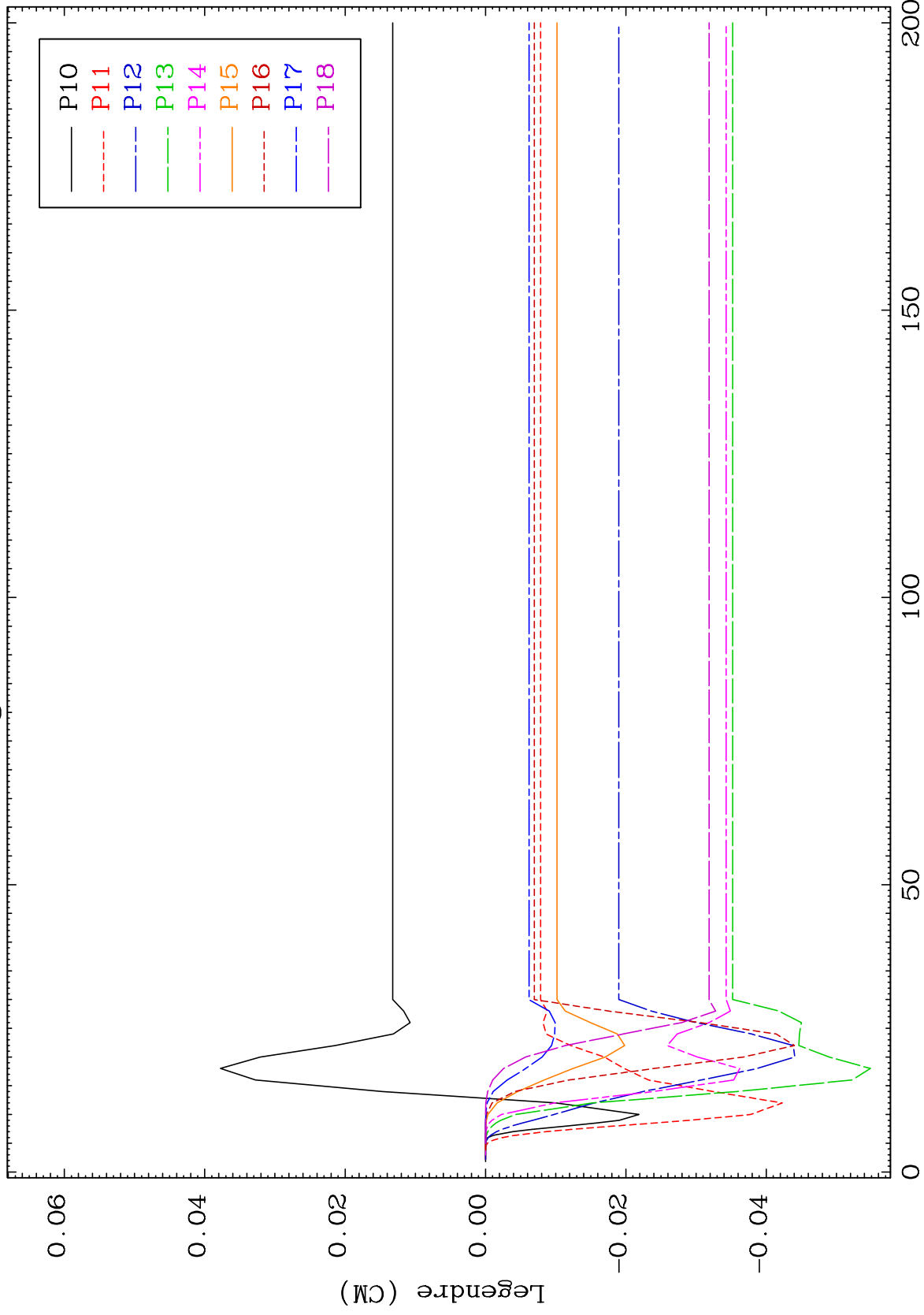




MAT 6619

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

66-Dy-154



64

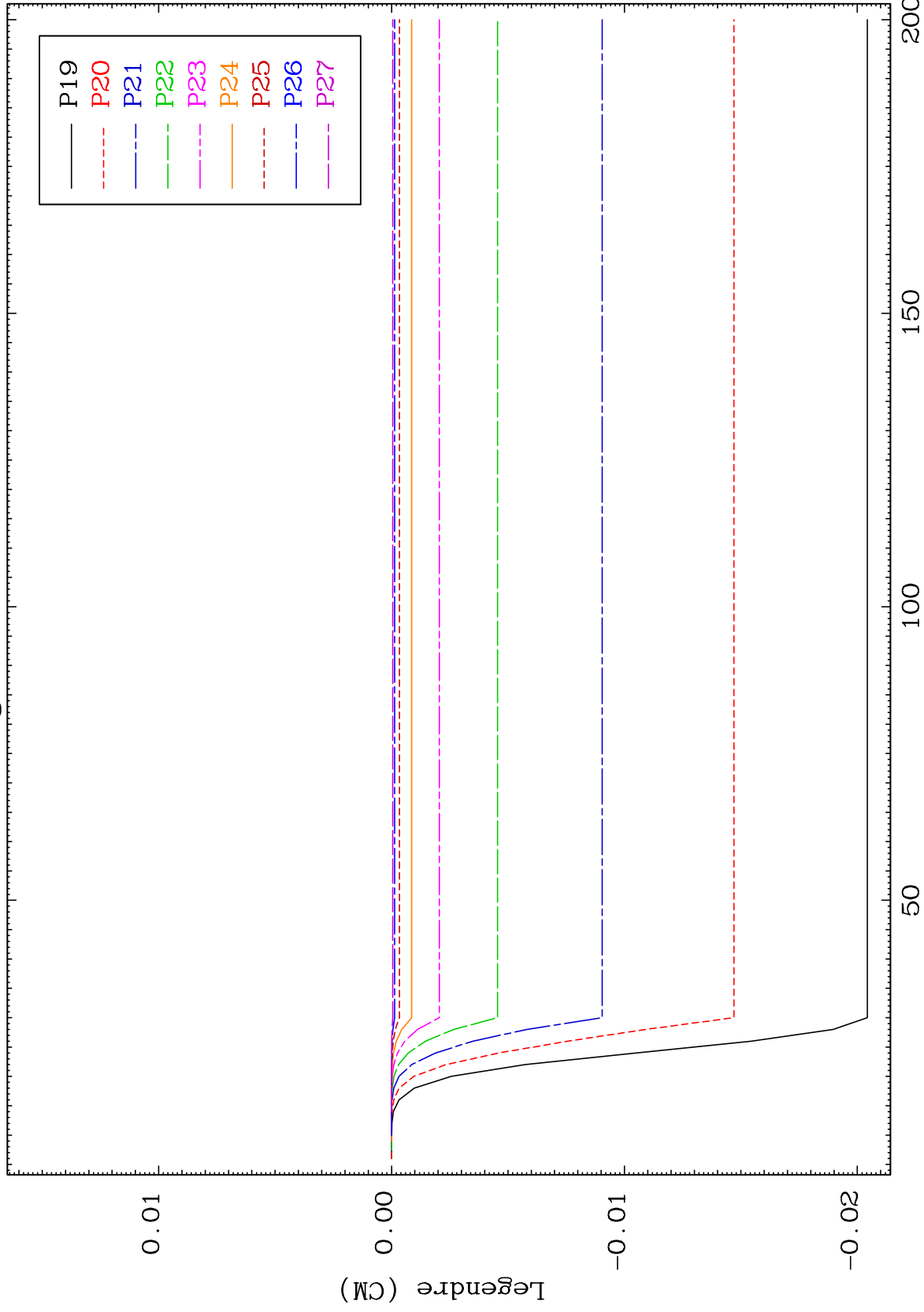
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

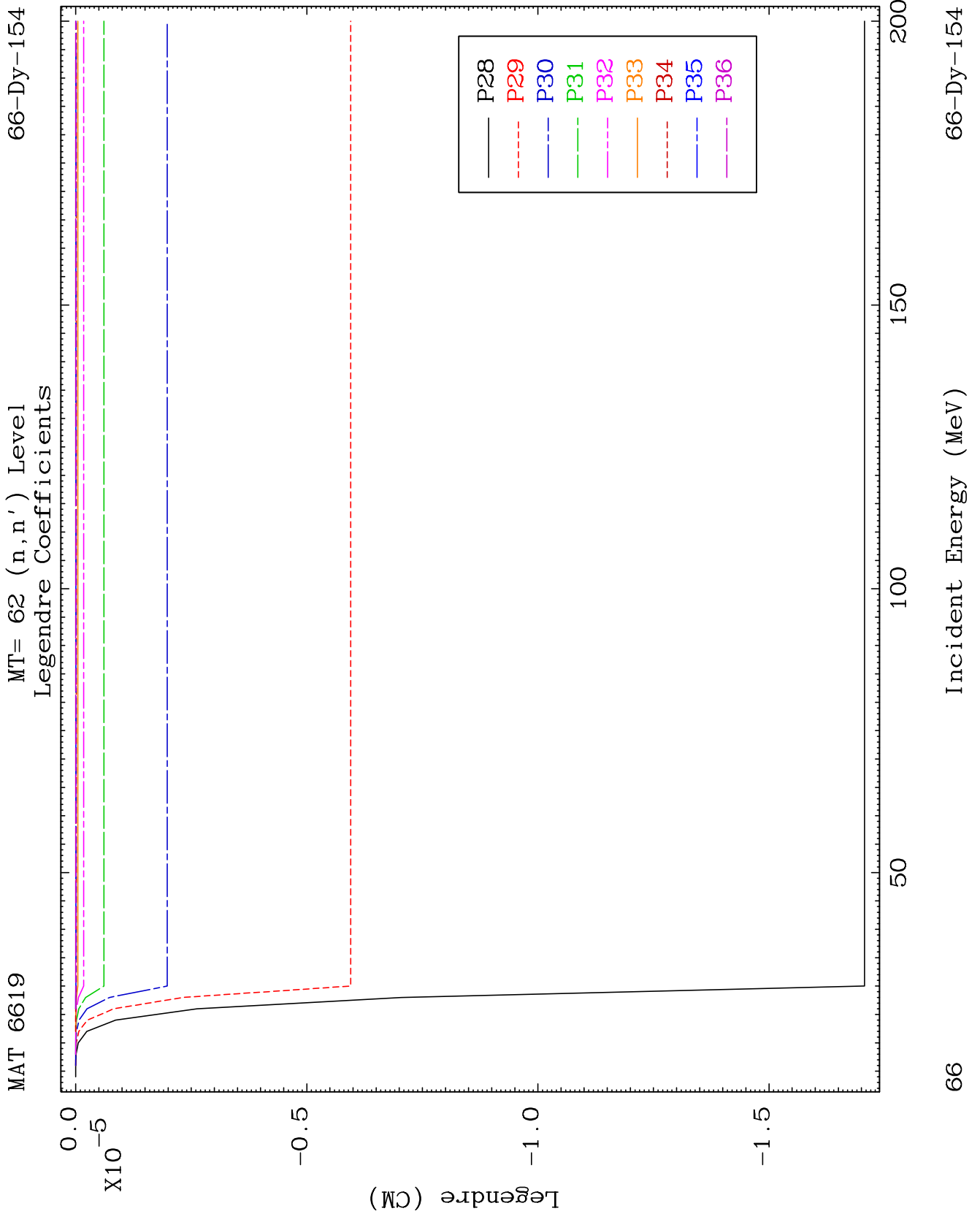
66-Dy-154



65

Incident Energy (MeV)

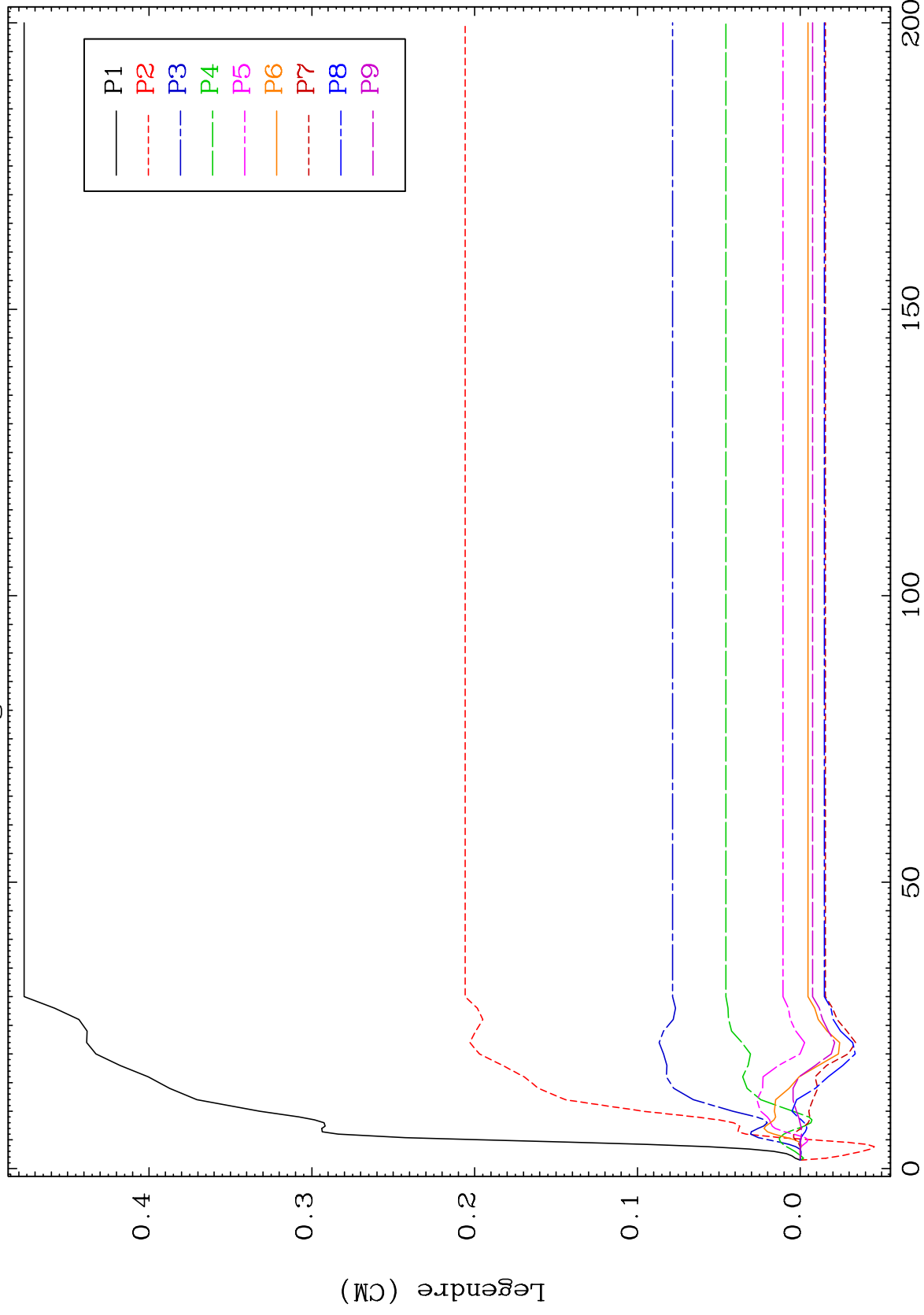
66-Dy-154



MAT 6619

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

66-Dy-154



67

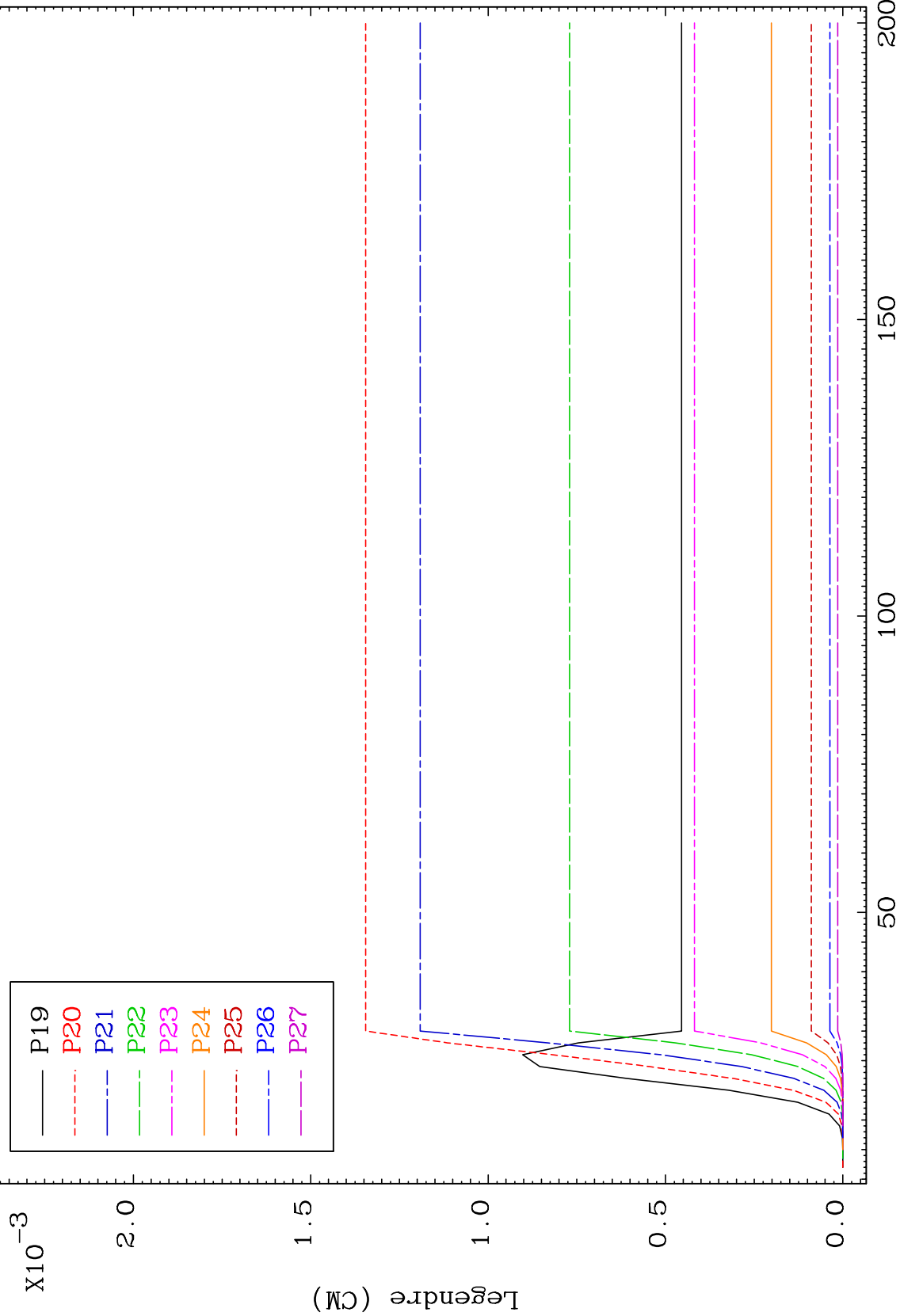
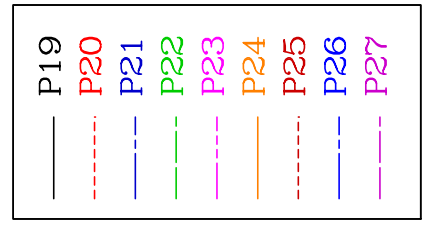
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



69

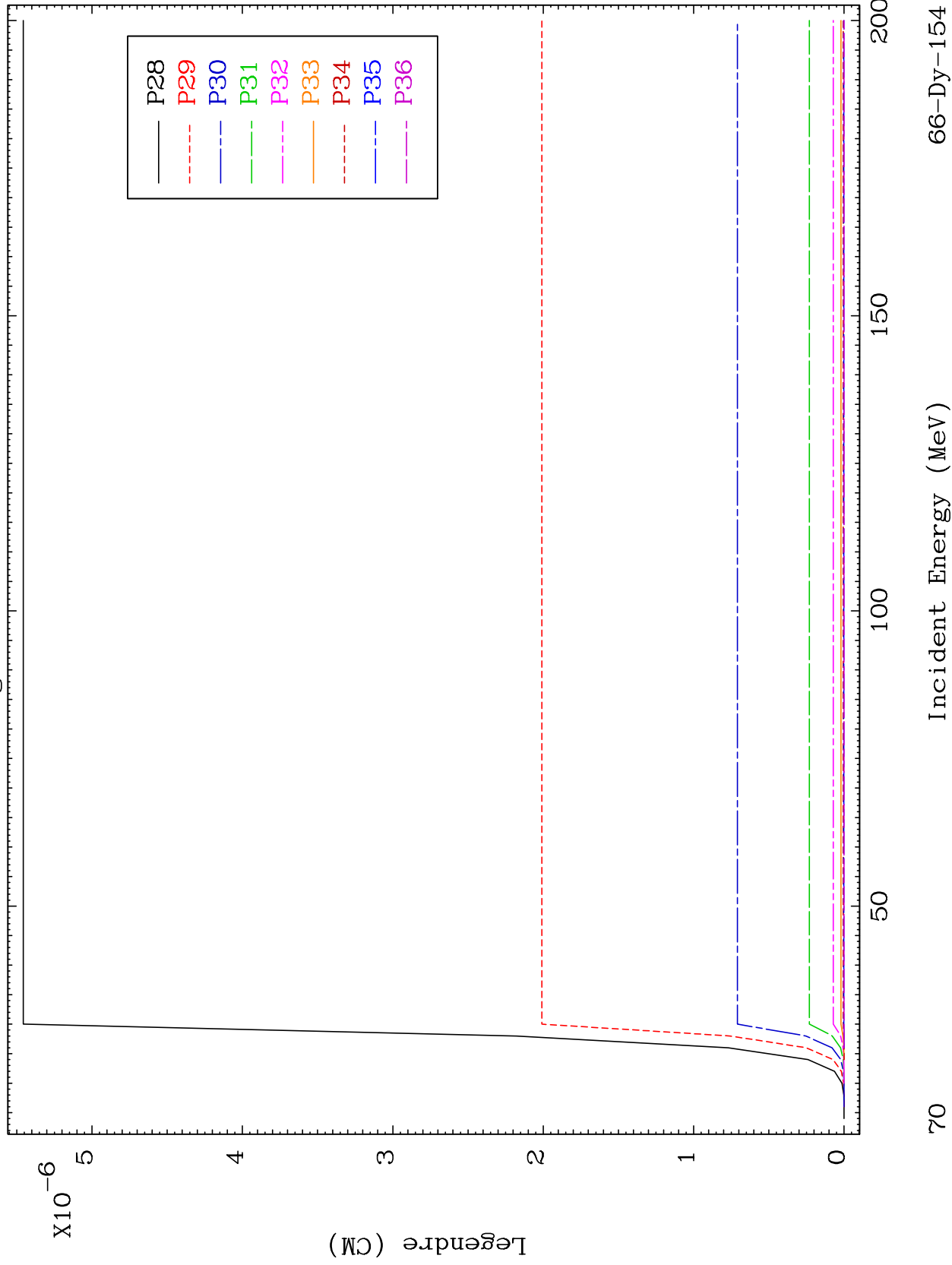
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

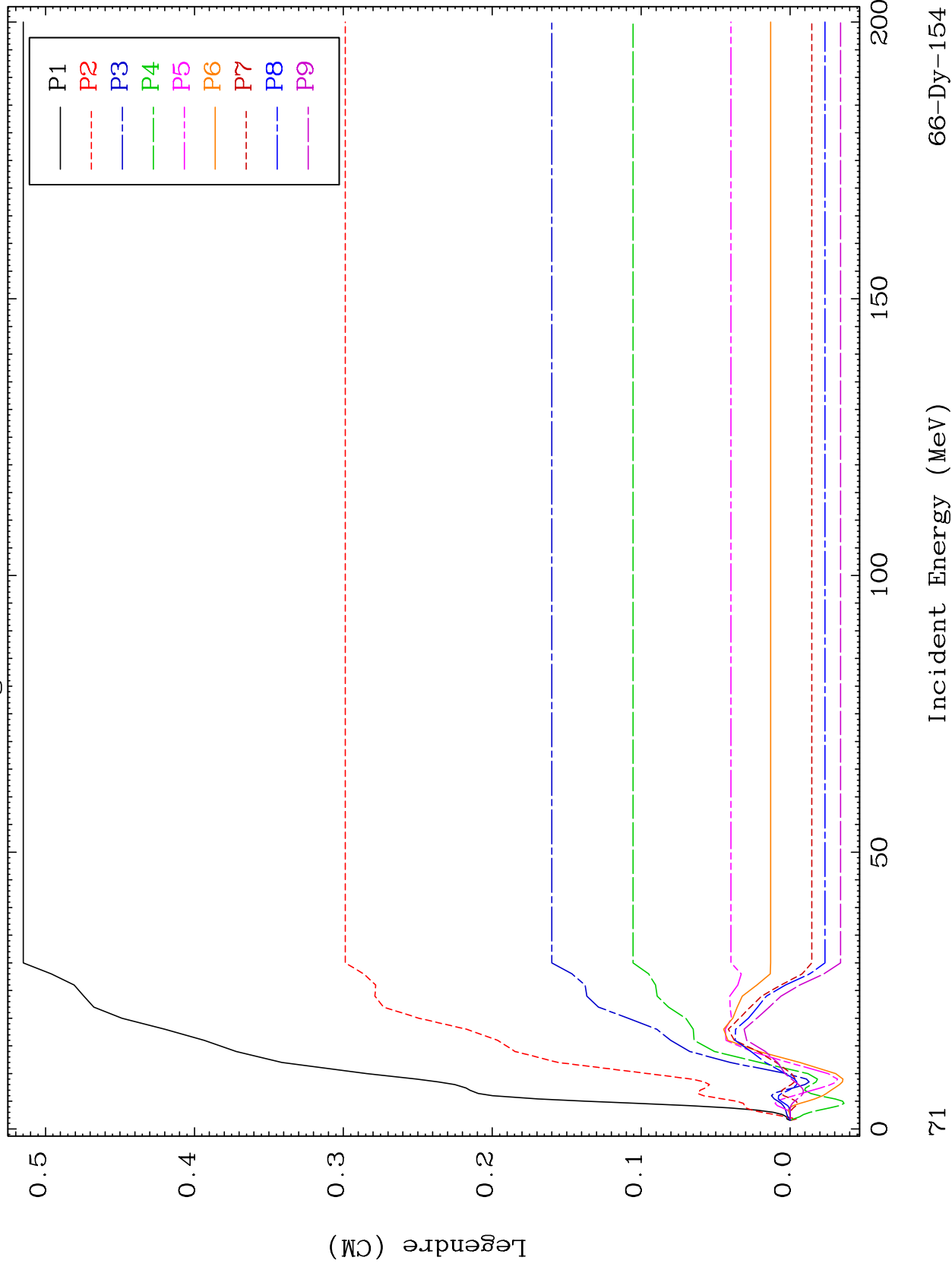
66-Dy-154



MAT 6619

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

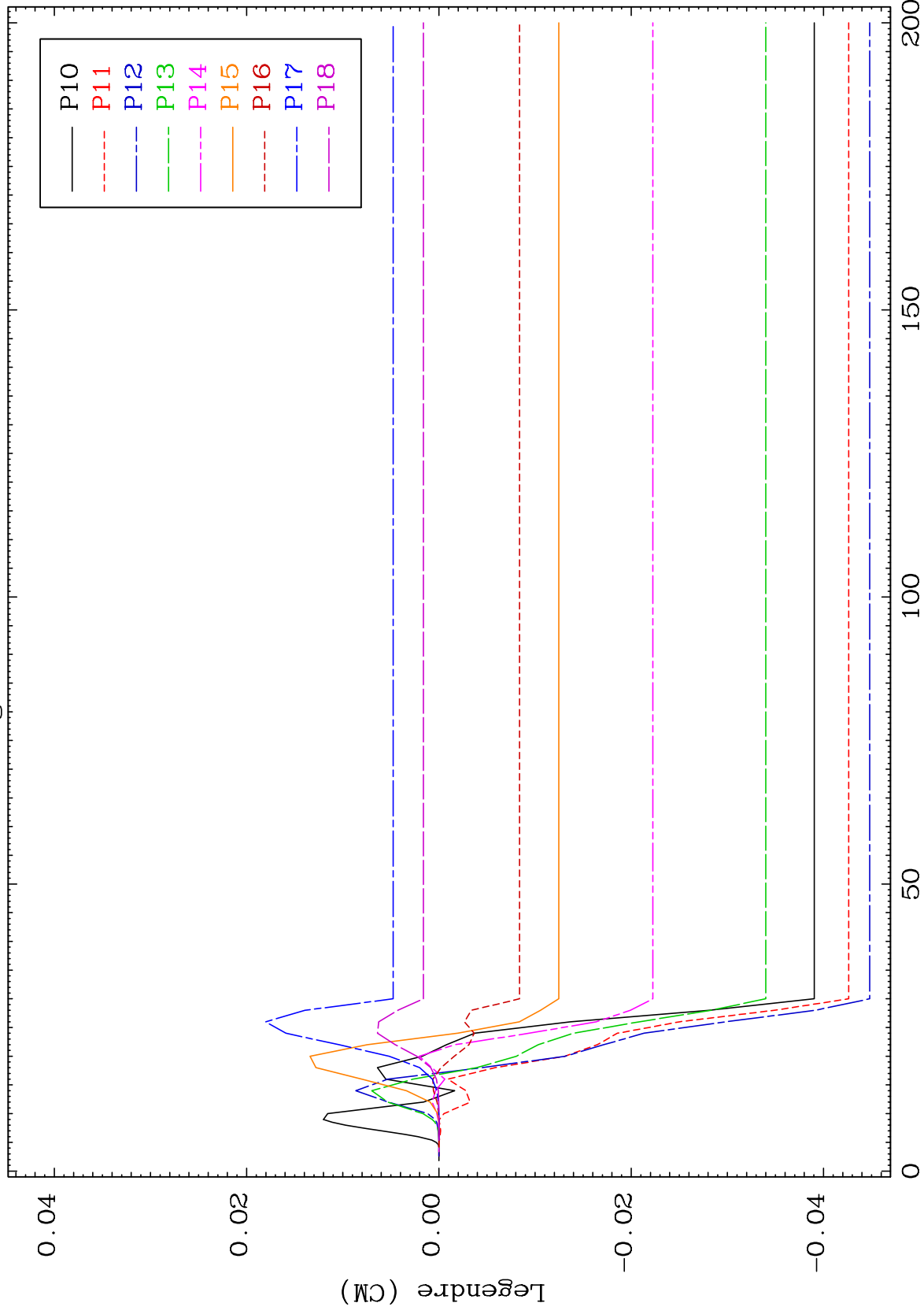
66-Dy-154



MAT 6619

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

66-Dy-154



72

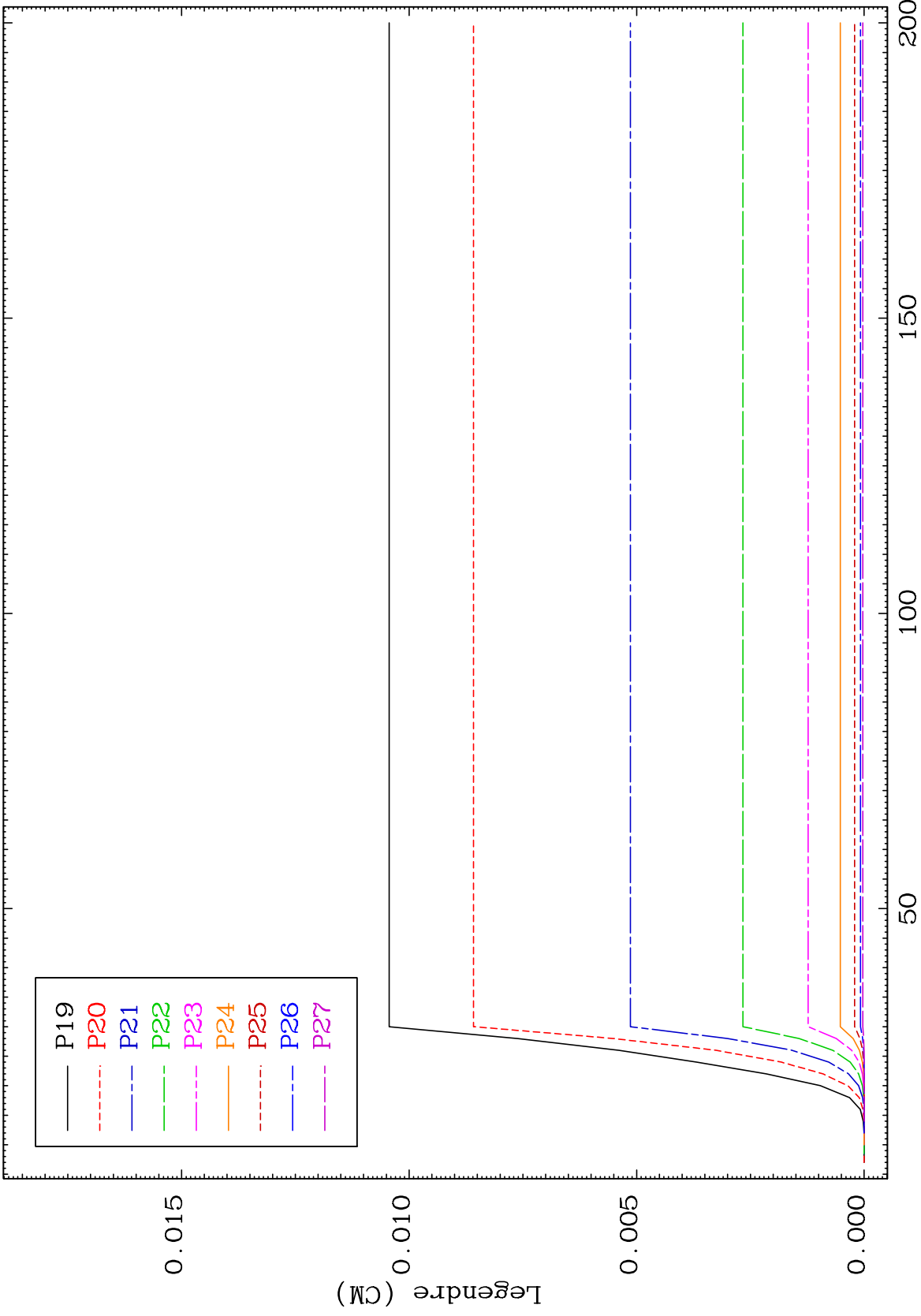
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



73

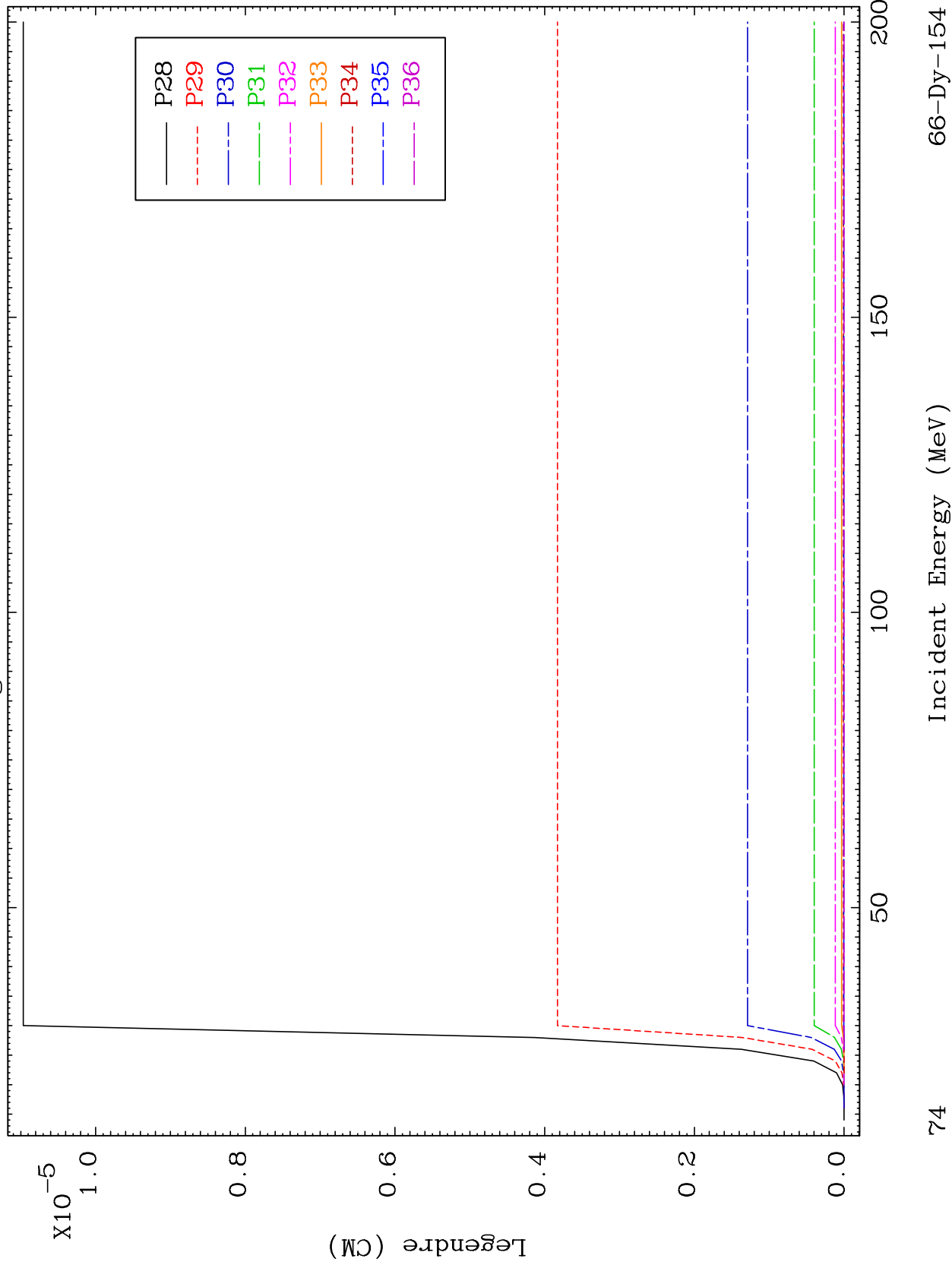
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

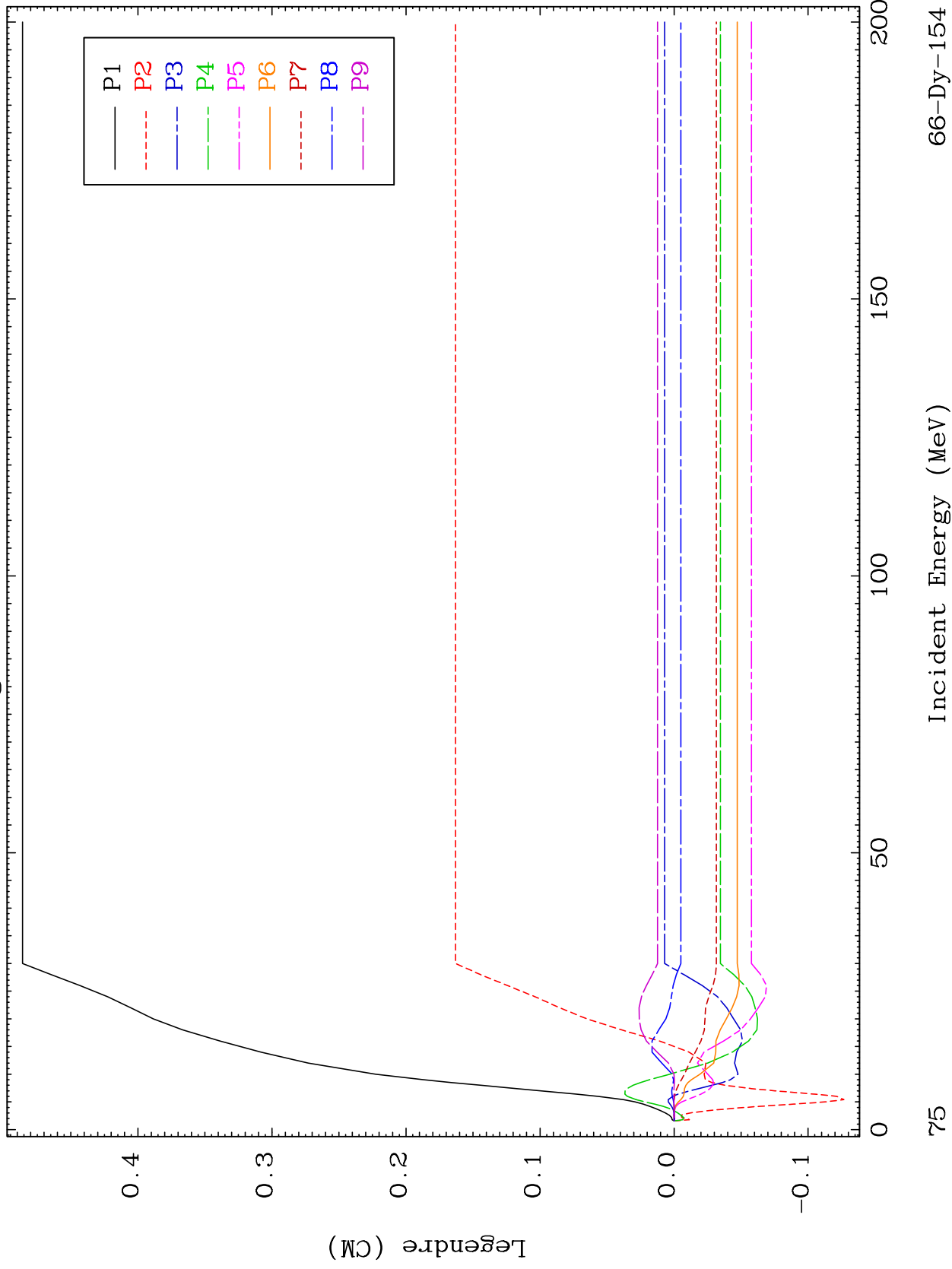
66-Dy-154

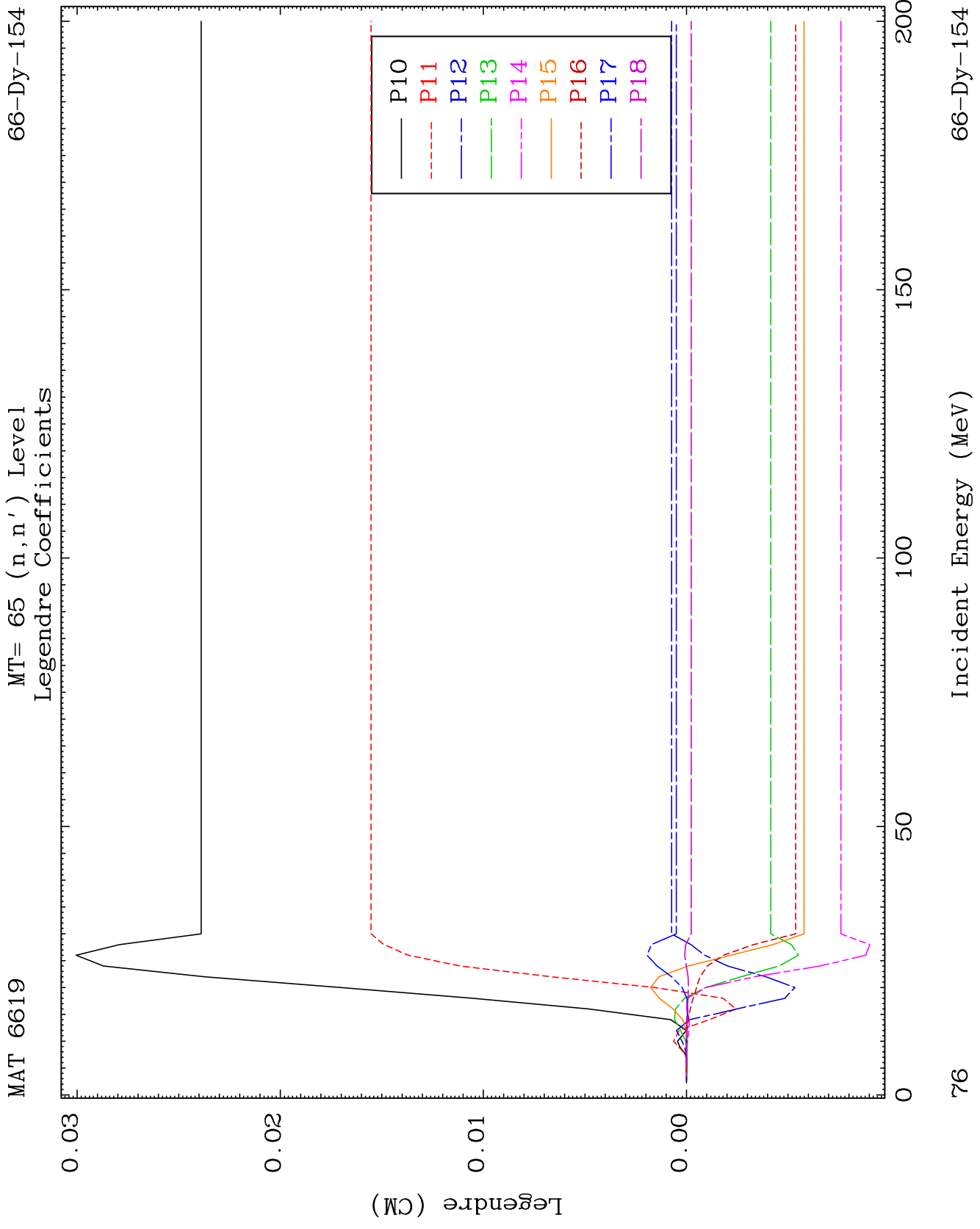


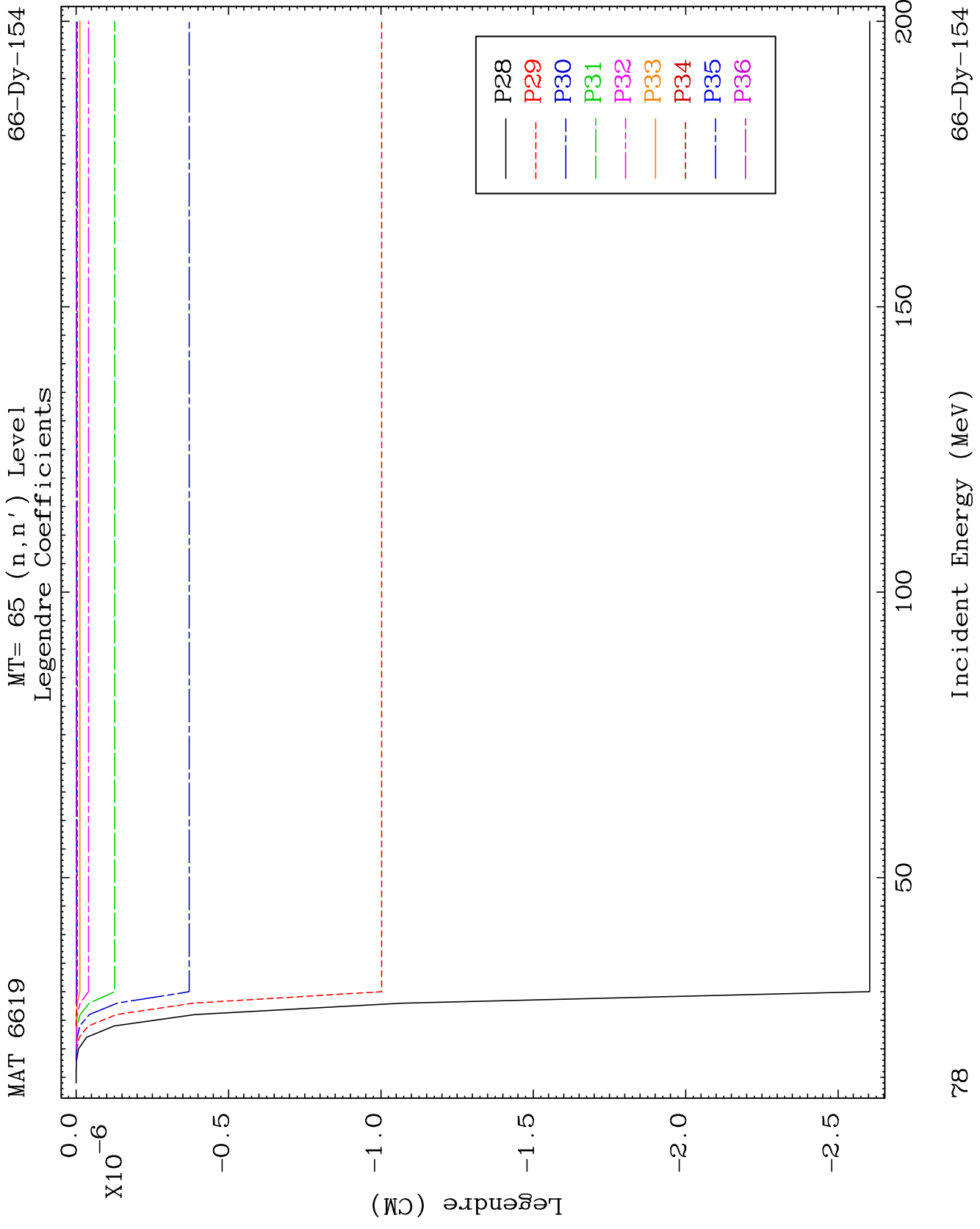
MAT 6619

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

66-Dy-154



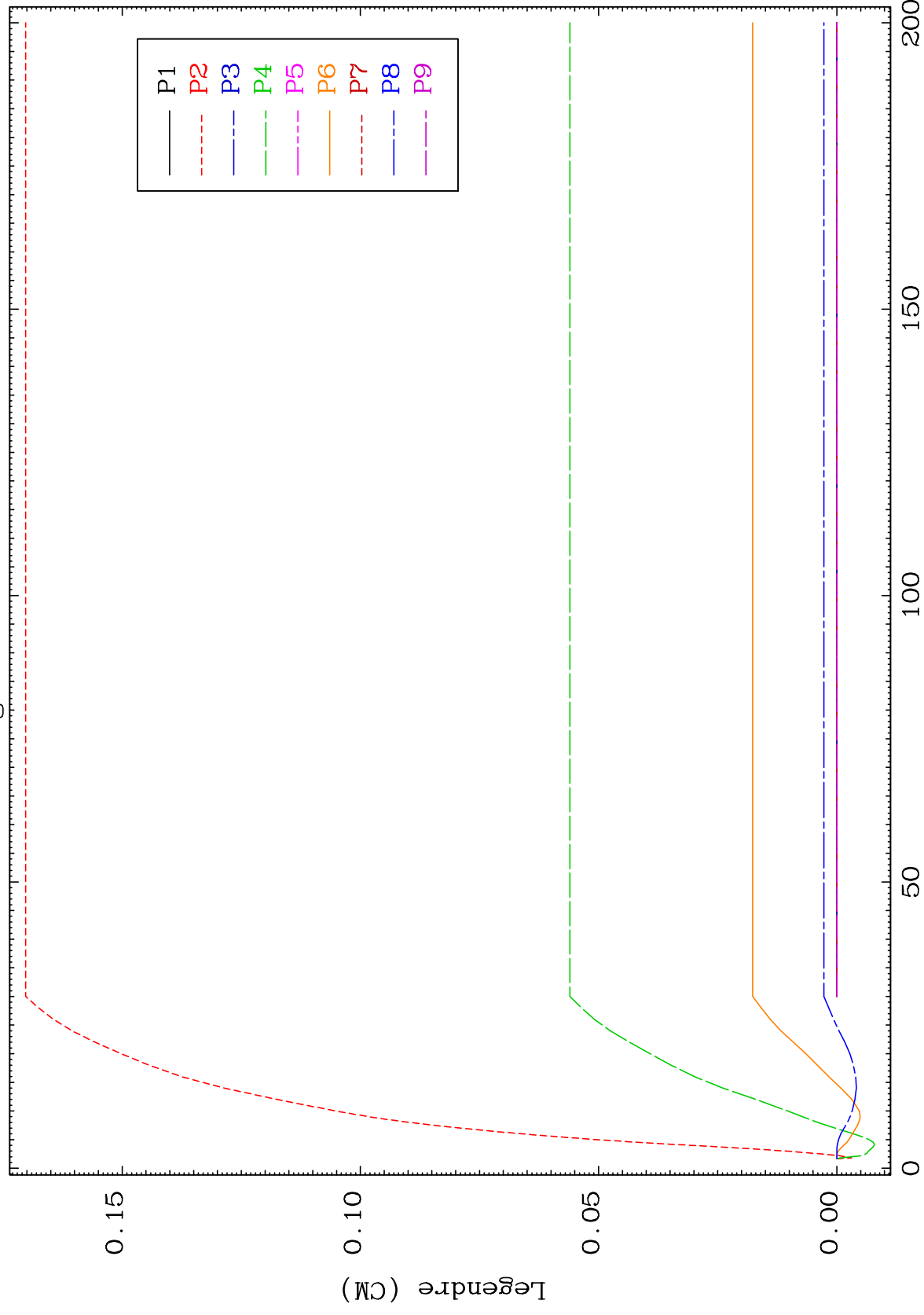




MAT 6619

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

66-Dy-154



79

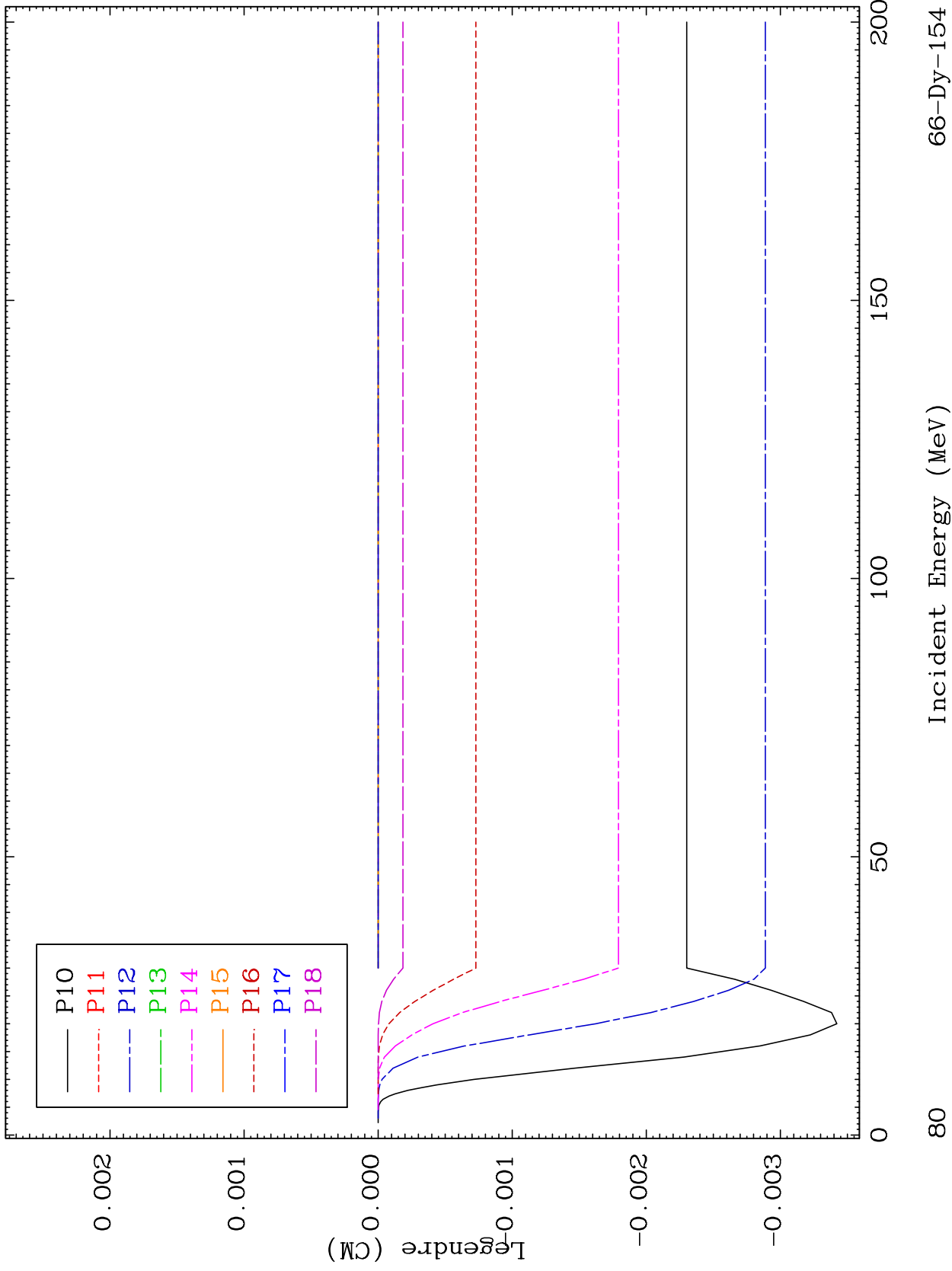
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

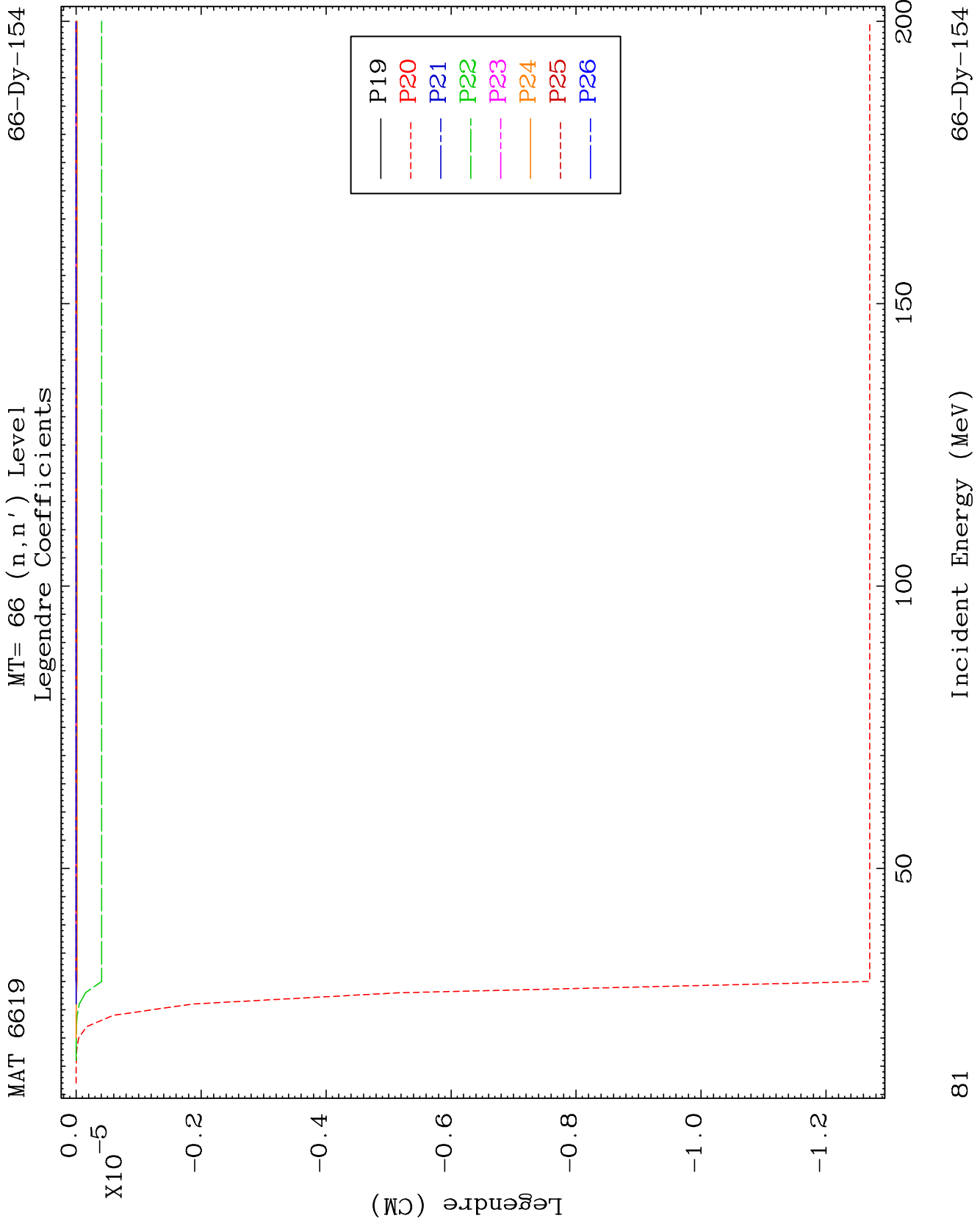
66-Dy-154



66-Dy-154

Incident Energy (MeV)

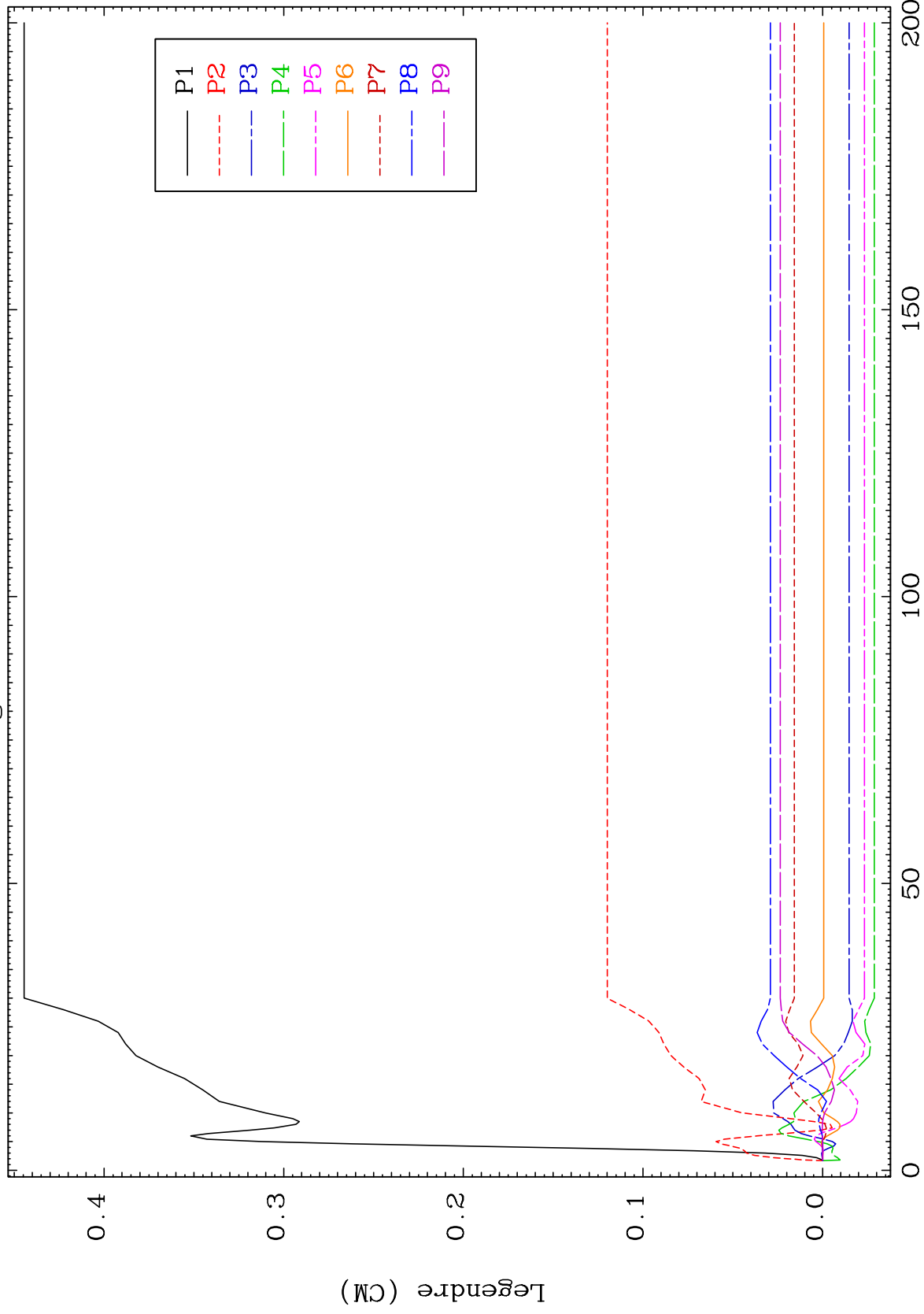
80



MAT 6619

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

66-Dy-154



82

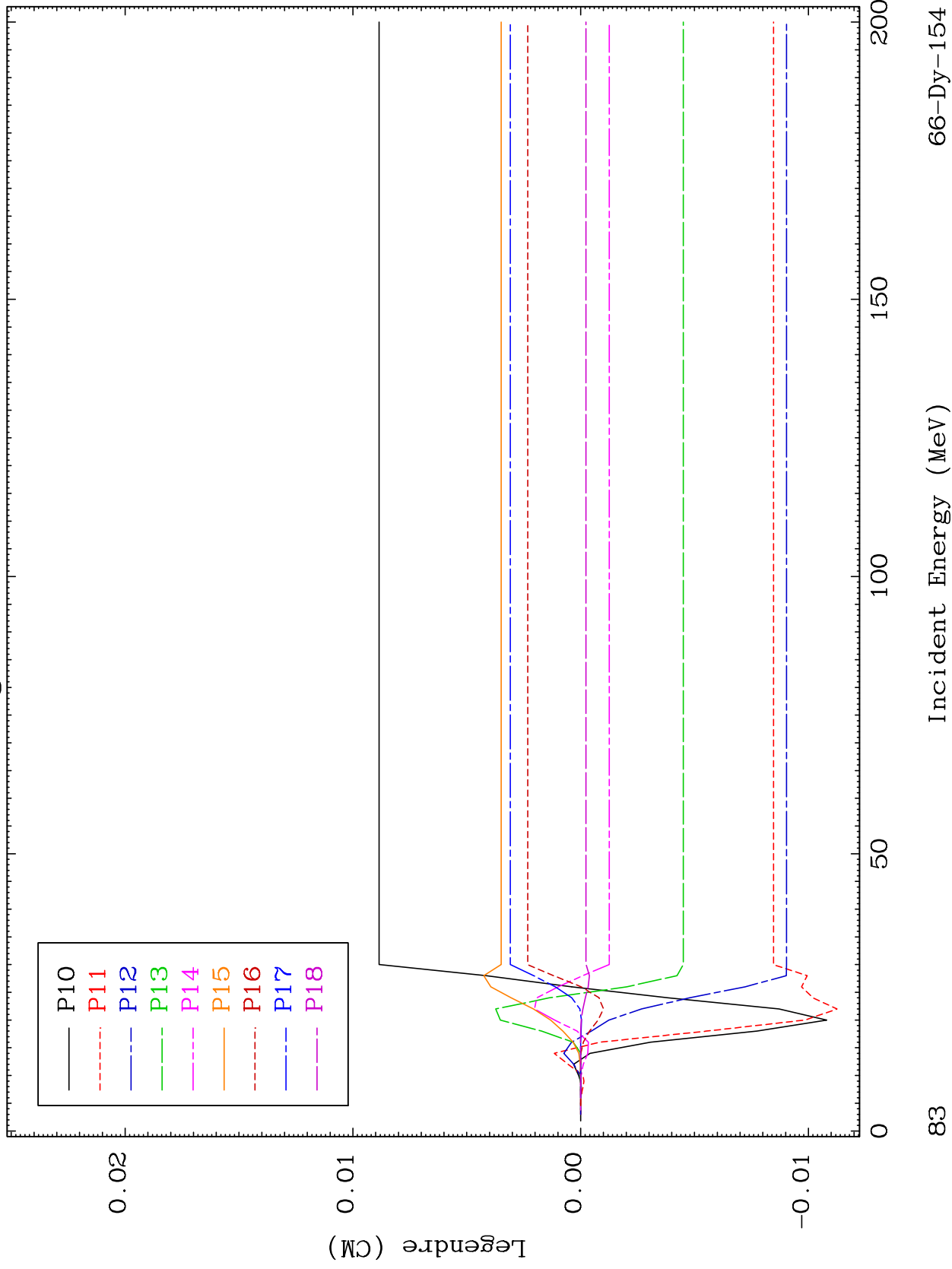
Incident Energy (MeV)

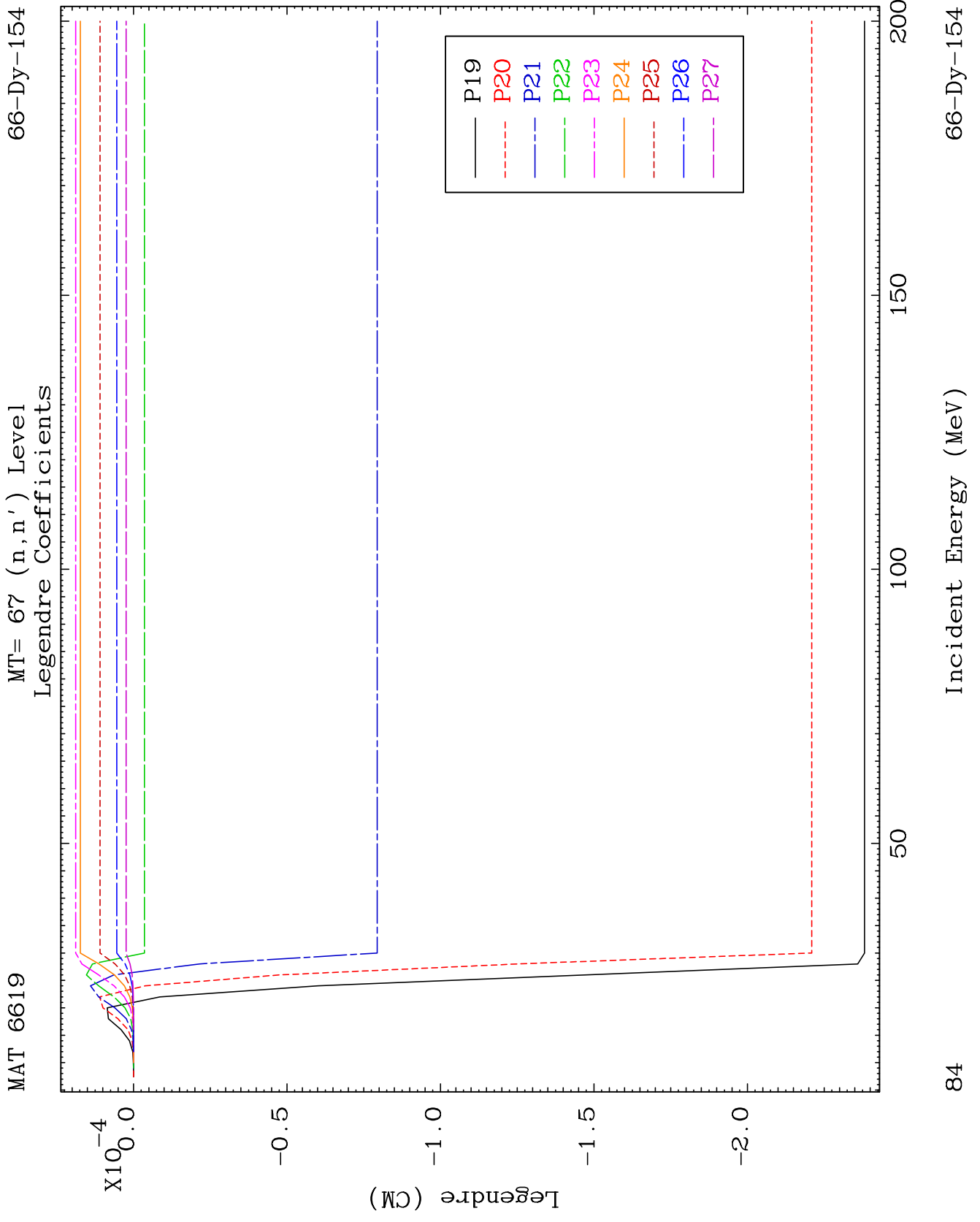
66-Dy-154

MAT 6619

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

66-Dy-154

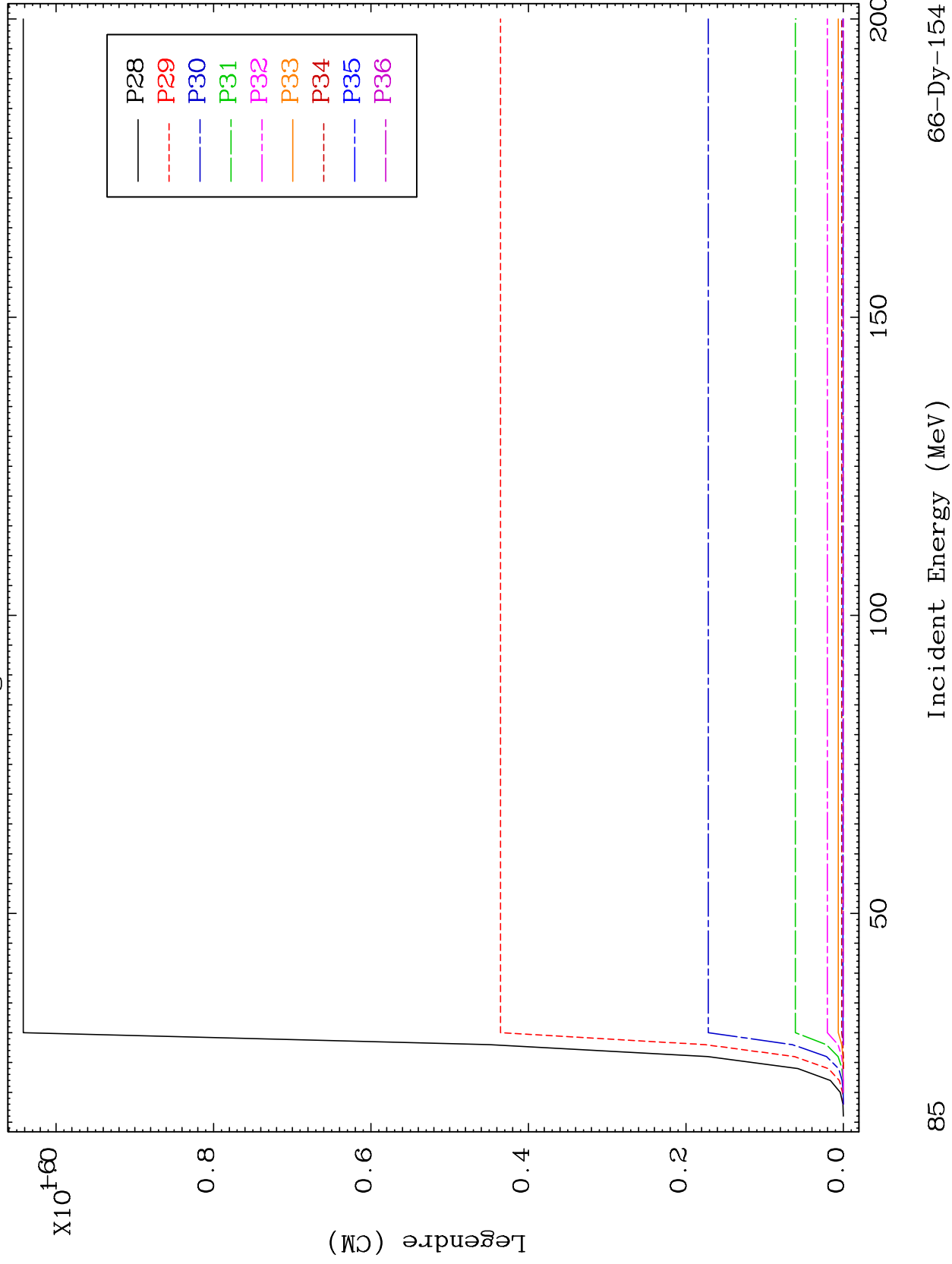




MAT 6619

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

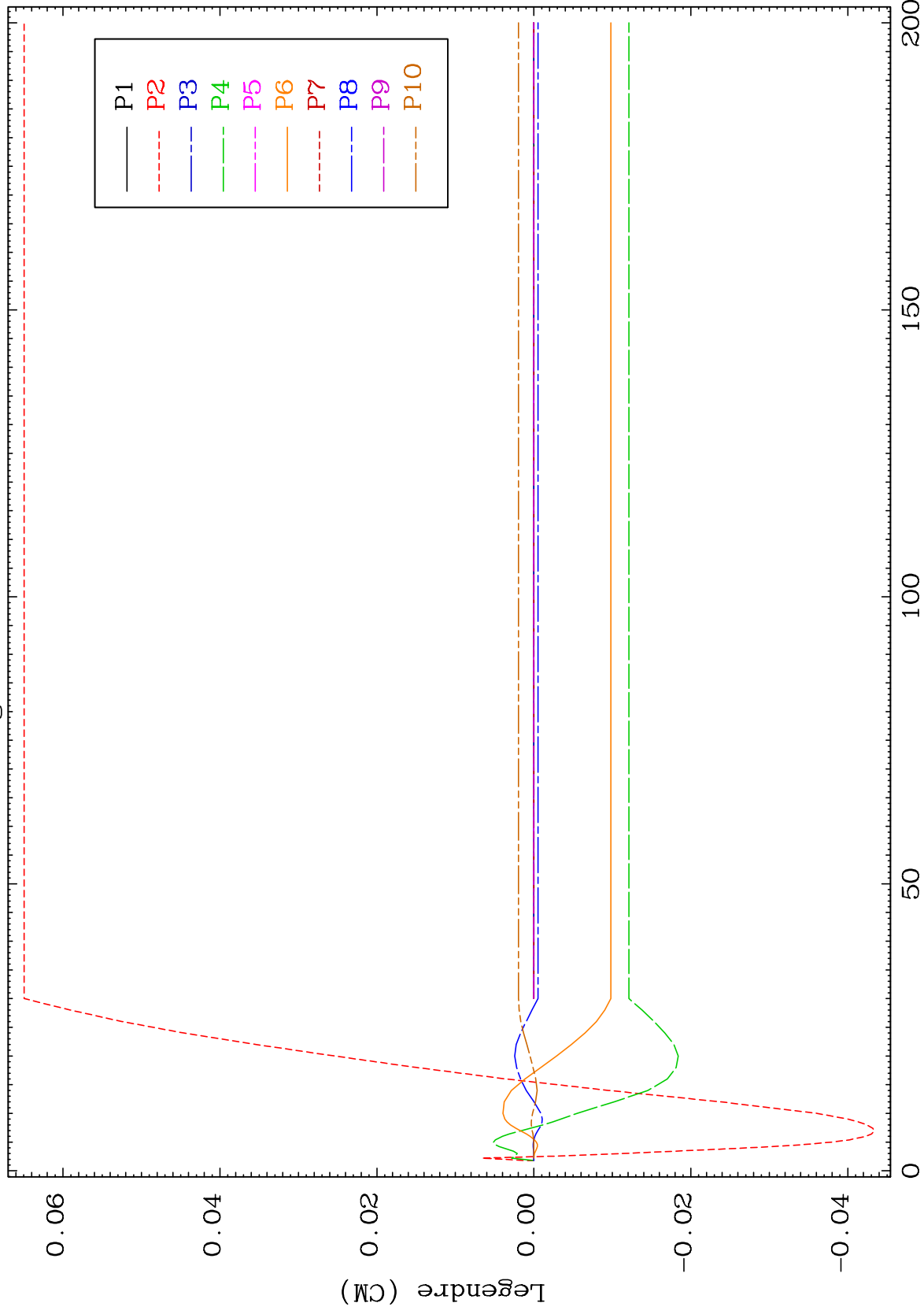
66-Dy-154



MAT 6619

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

66-Dy-154



86

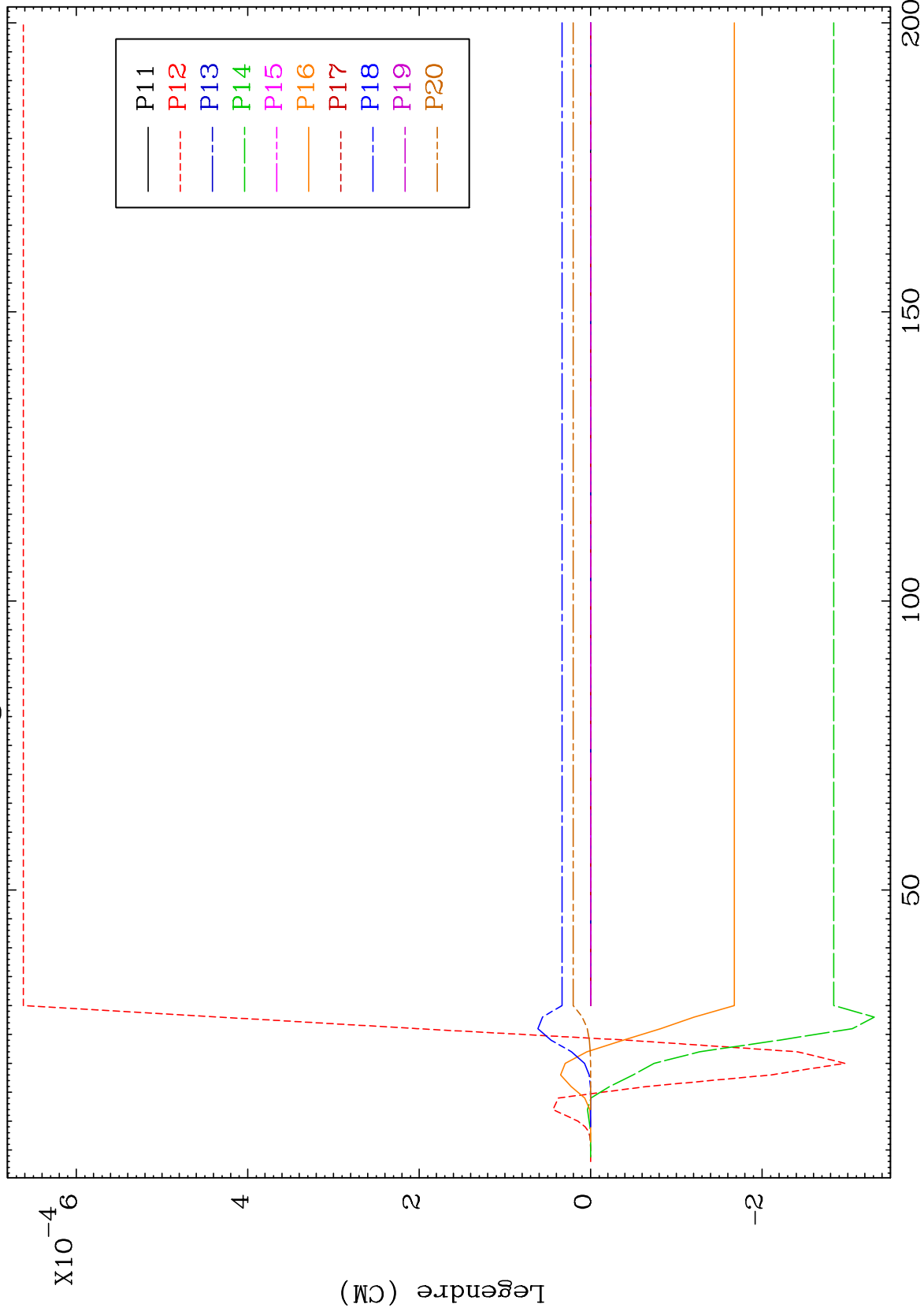
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

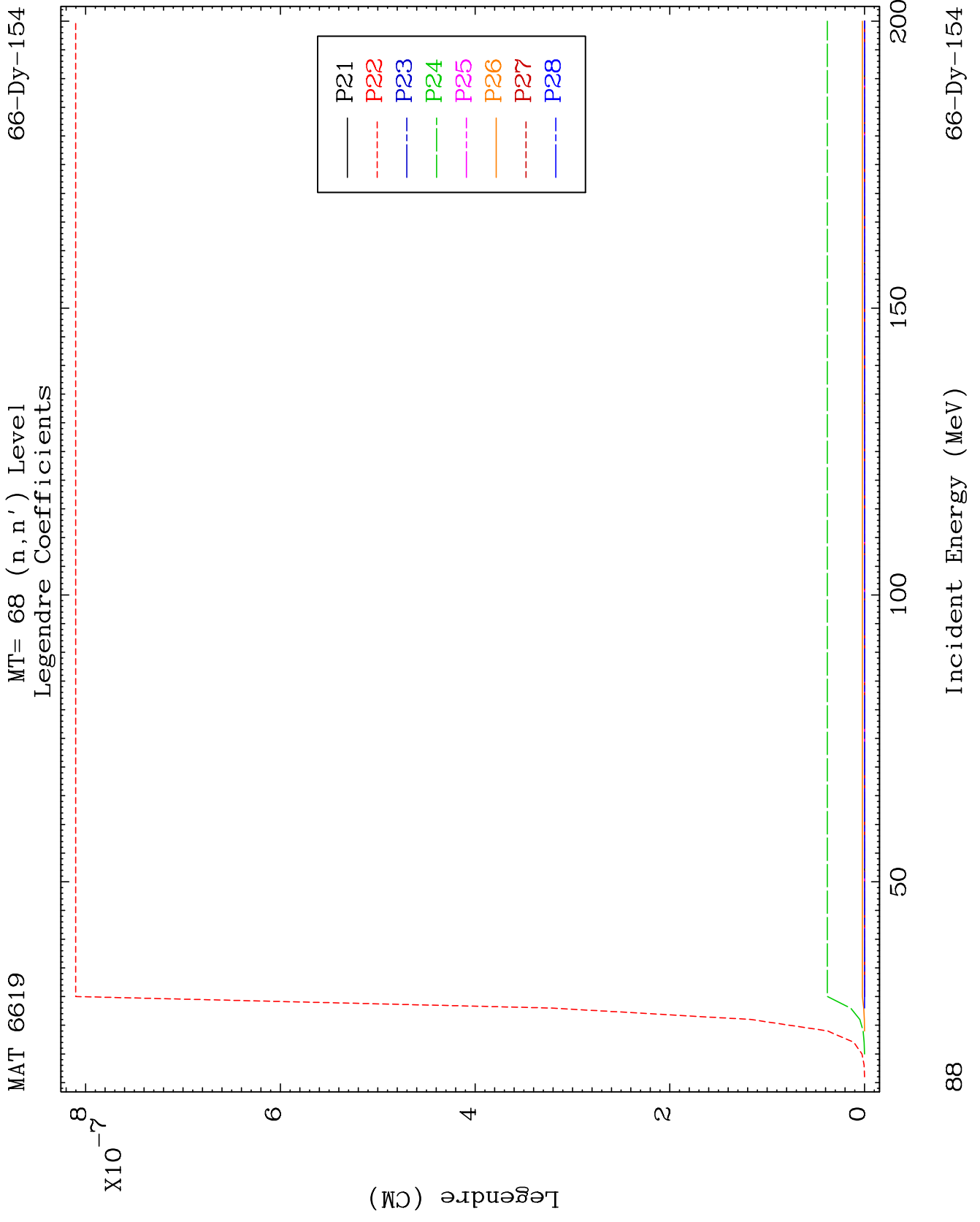
66-Dy-154



87

Incident Energy (MeV)

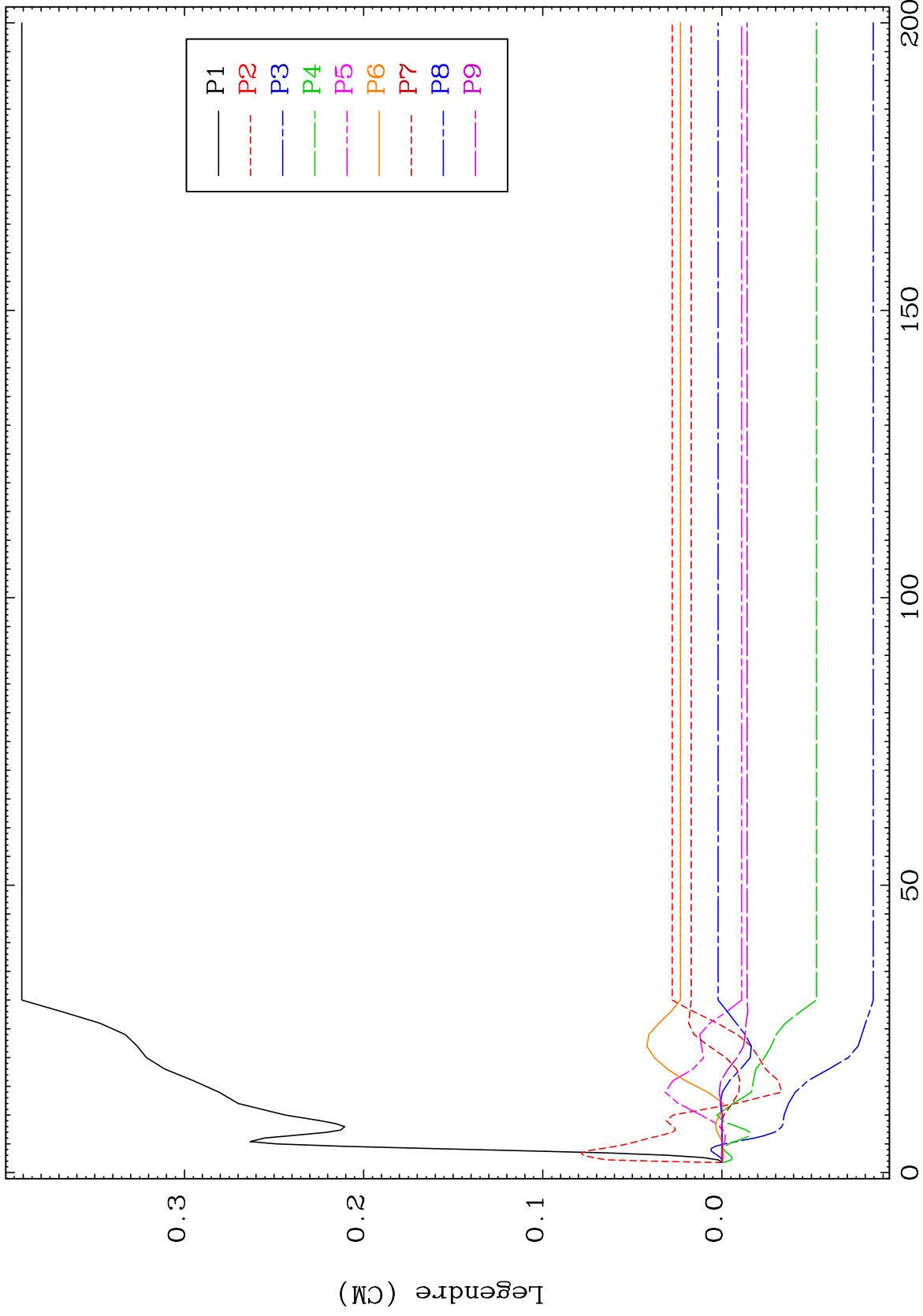
66-Dy-154



MAT 6619

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

66-Dy-154



89

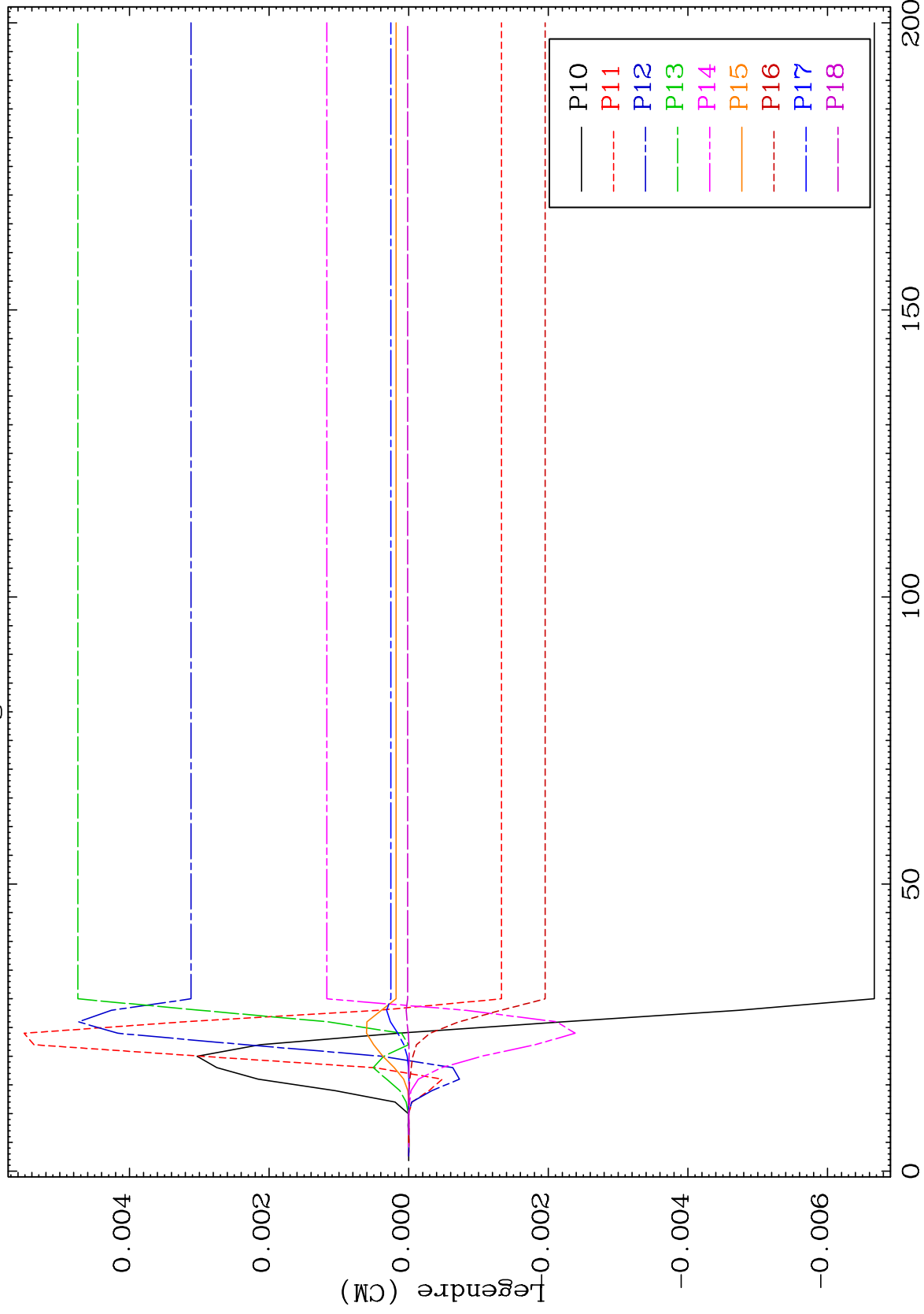
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



90

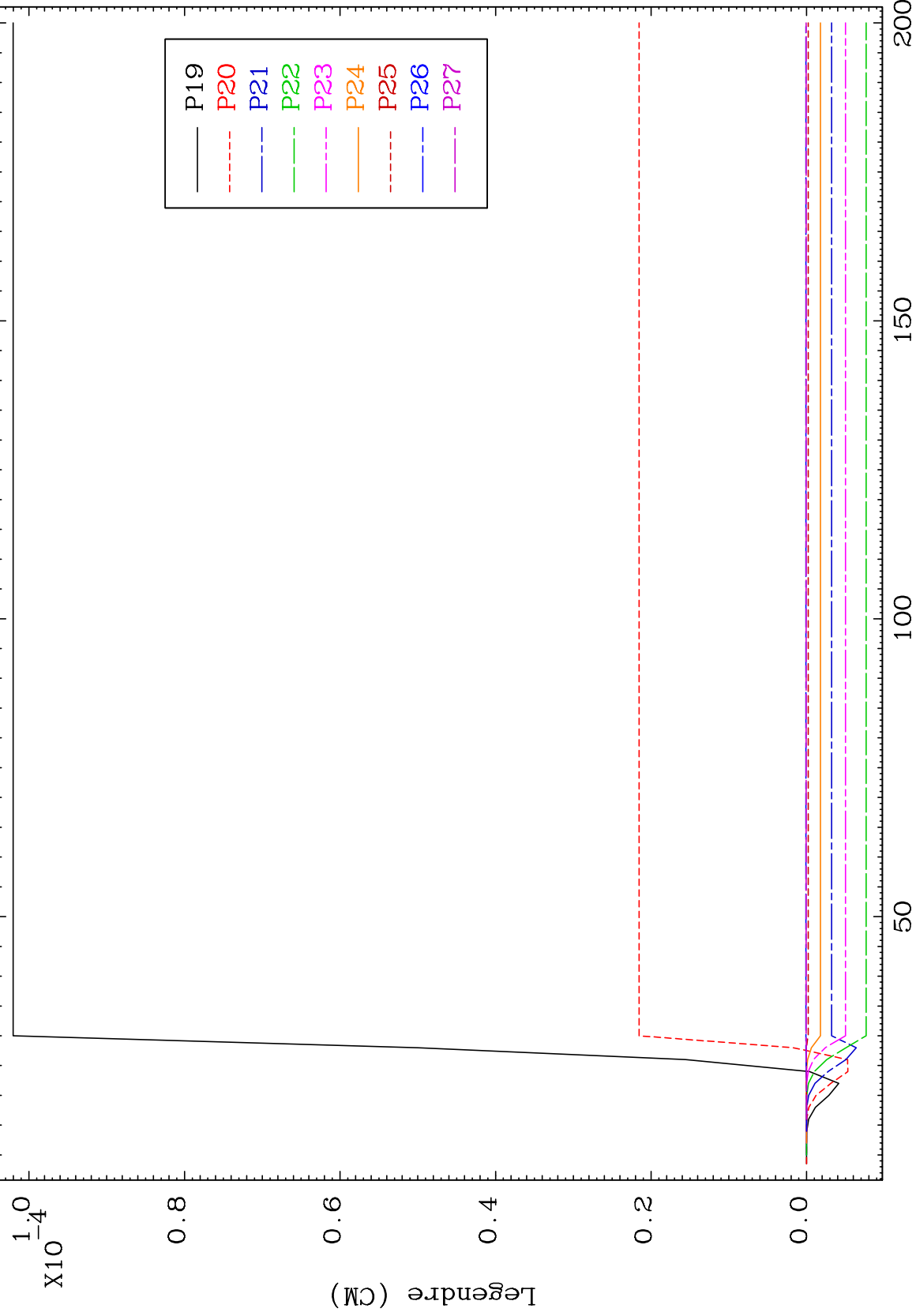
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



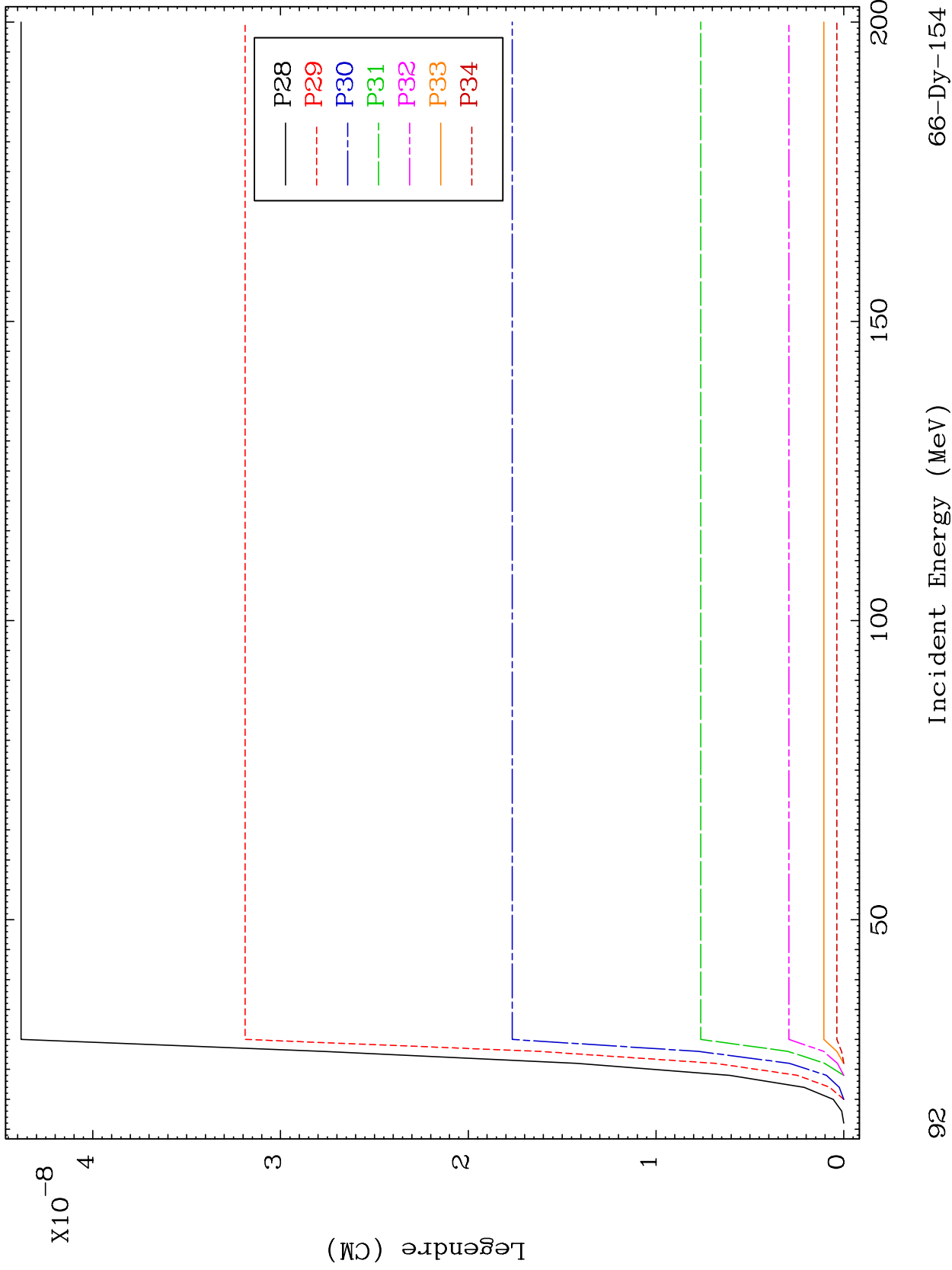
91

66-Dy-154

MAT 6619

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

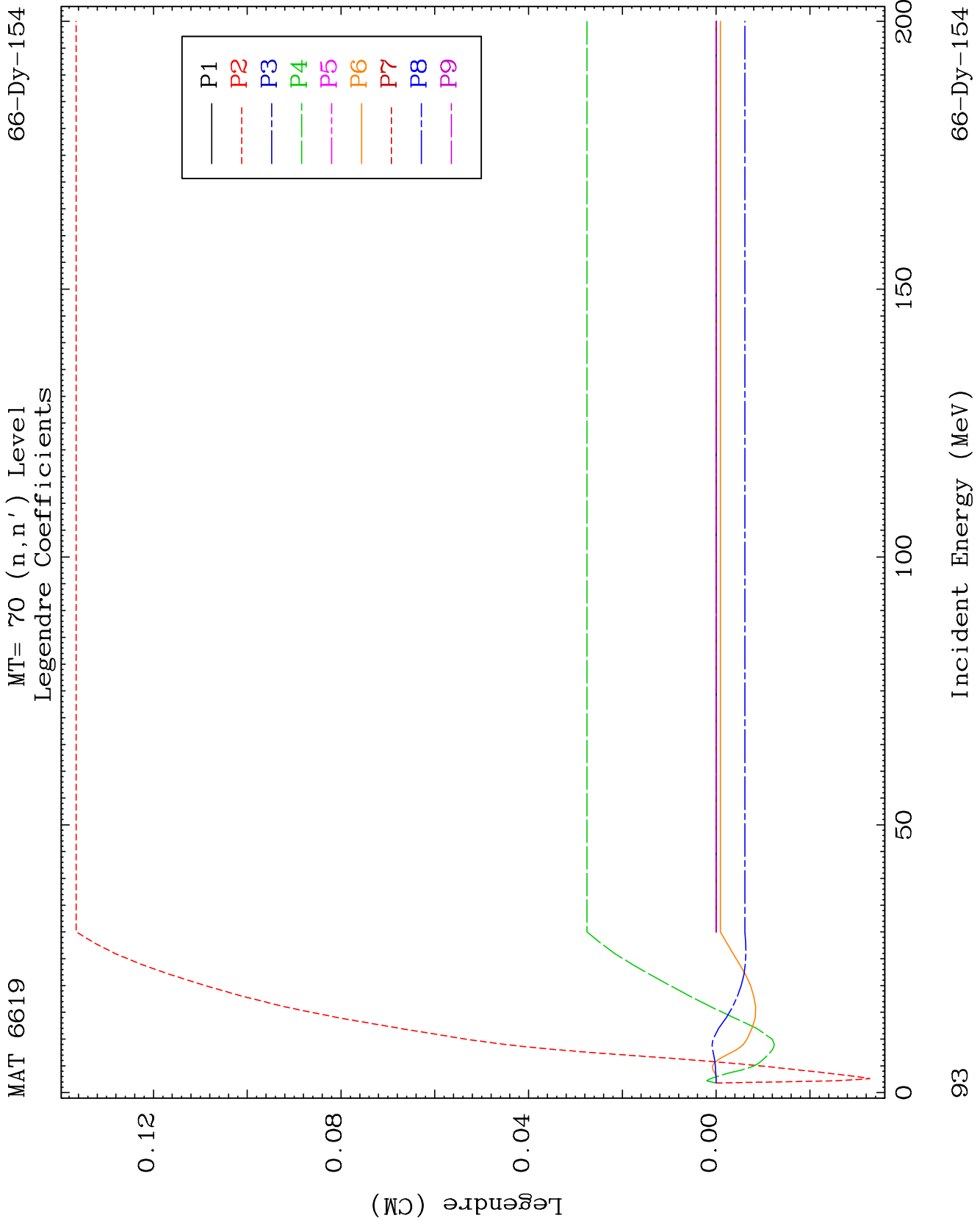
66-Dy-154



92

Incident Energy (MeV)

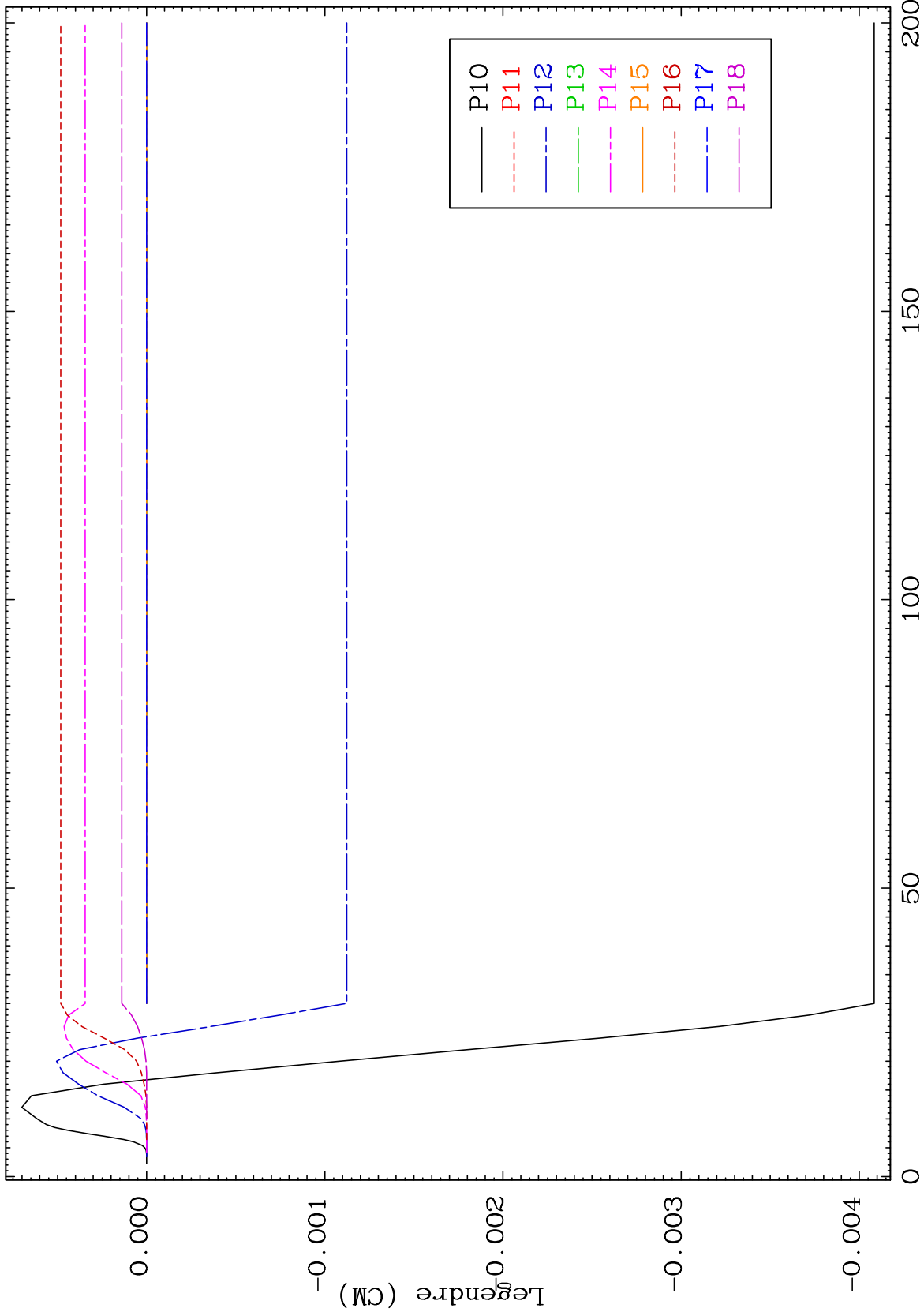
66-Dy-154



MAT 6619

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

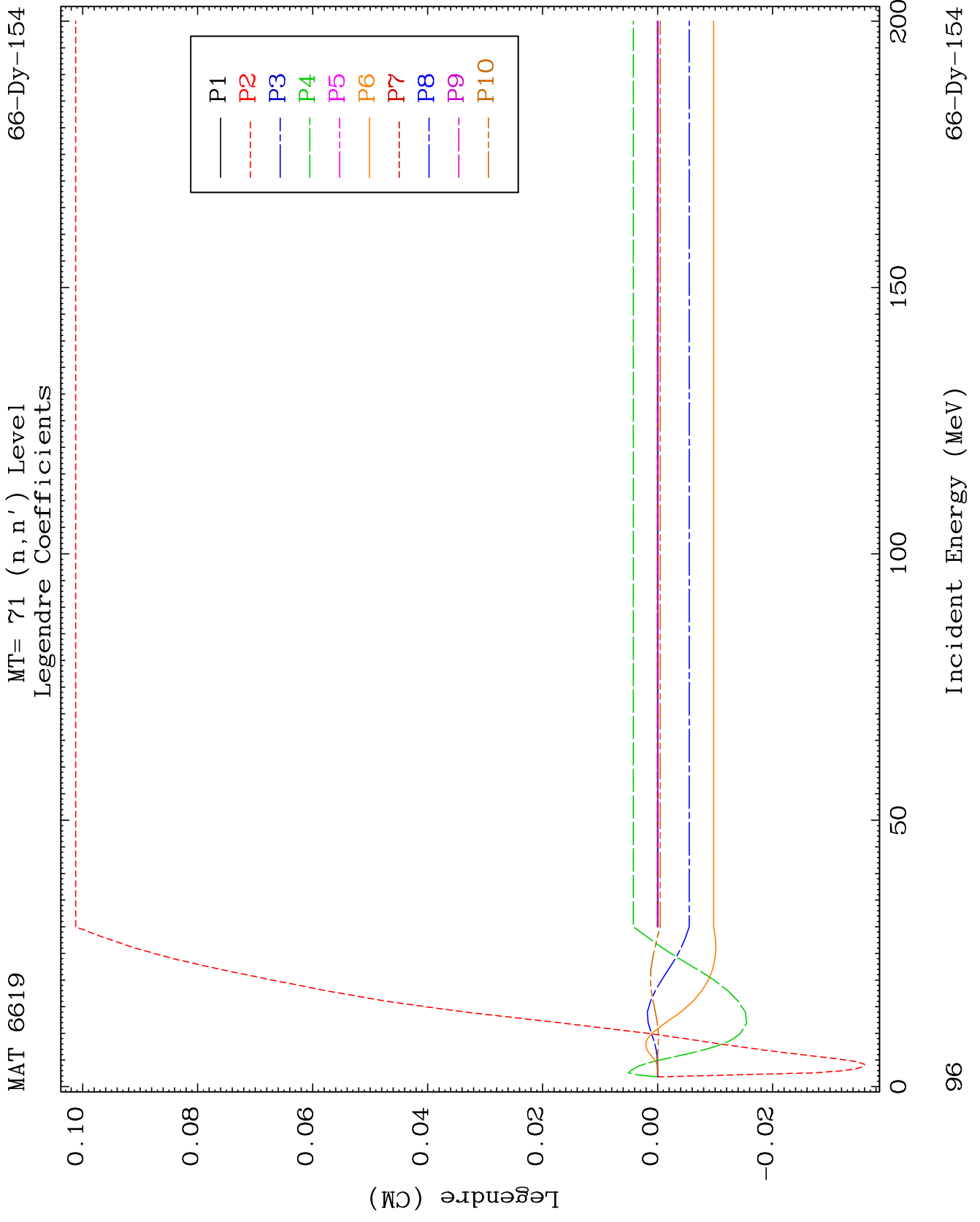
66-Dy-154



94

Incident Energy (MeV)

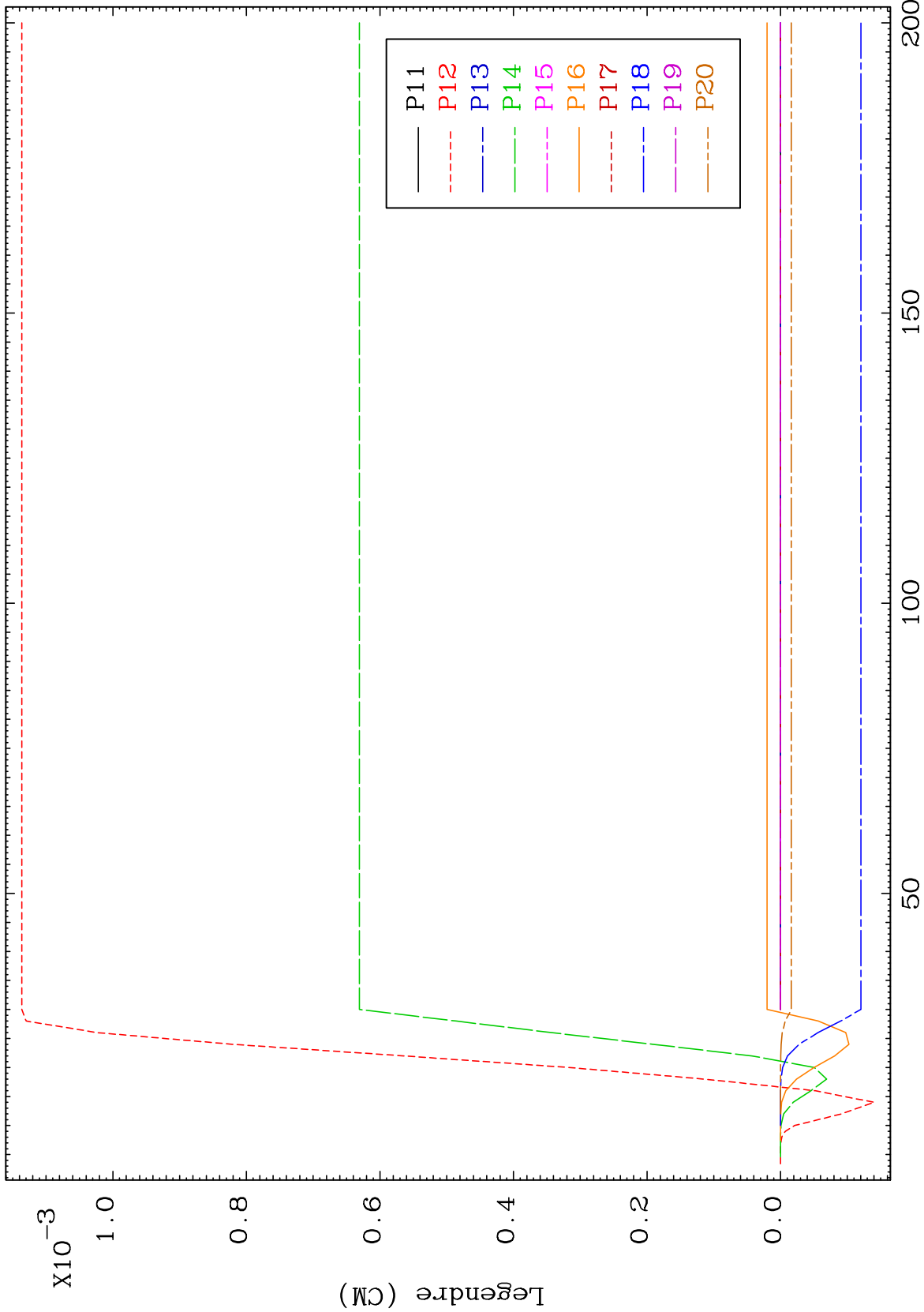
66-Dy-154



MAT 6619

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

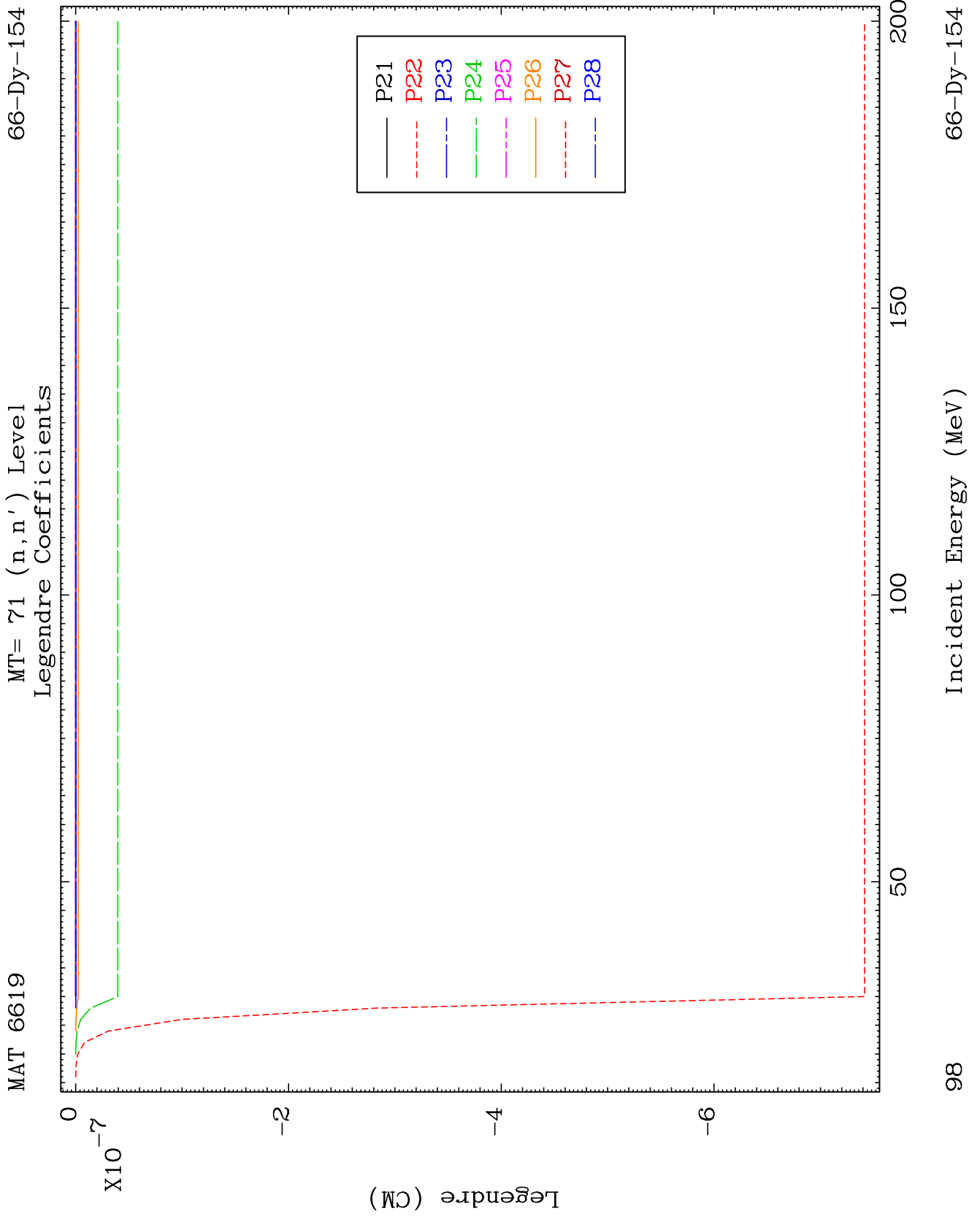
66-Dy-154

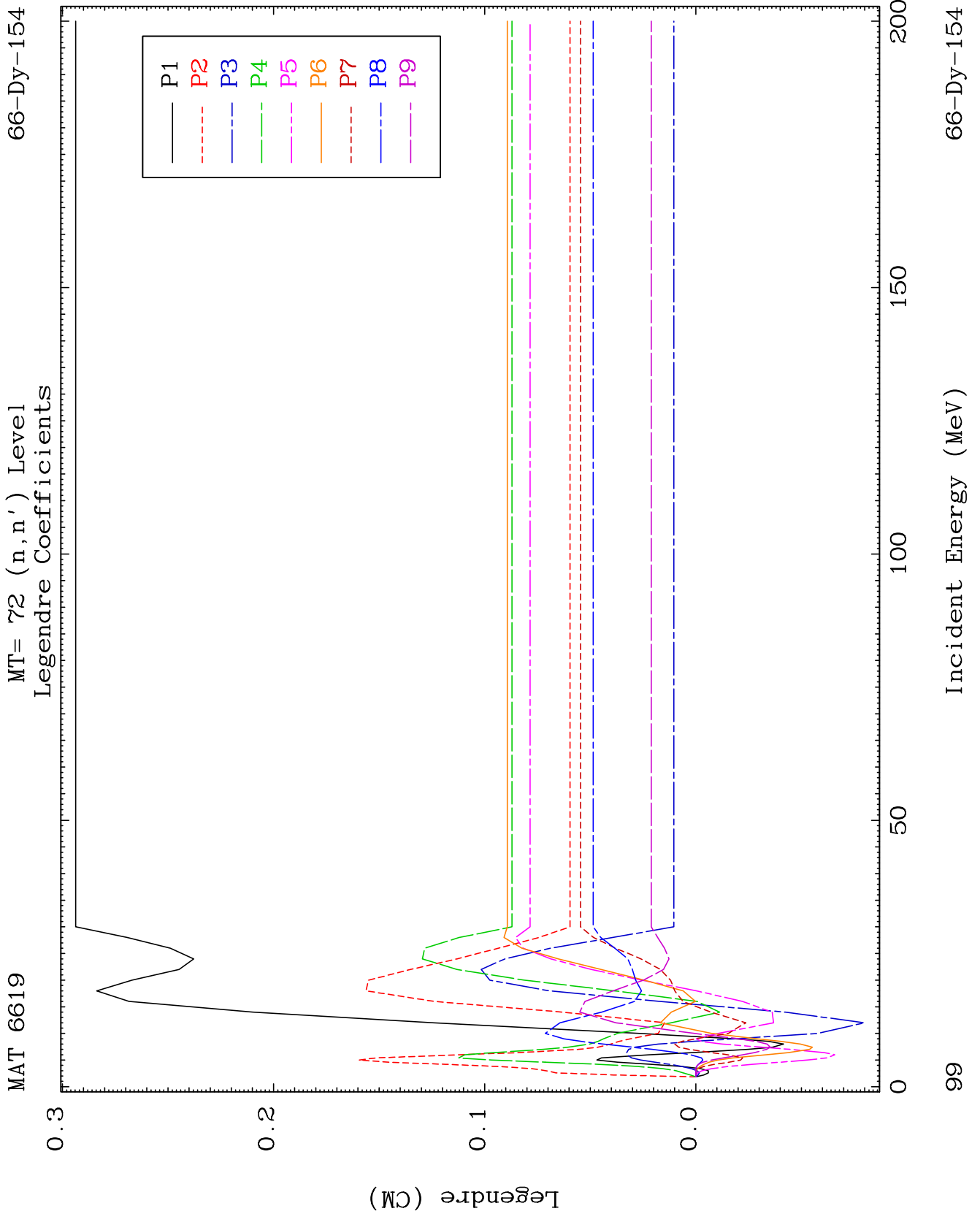


97

Incident Energy (MeV)

66-Dy-154

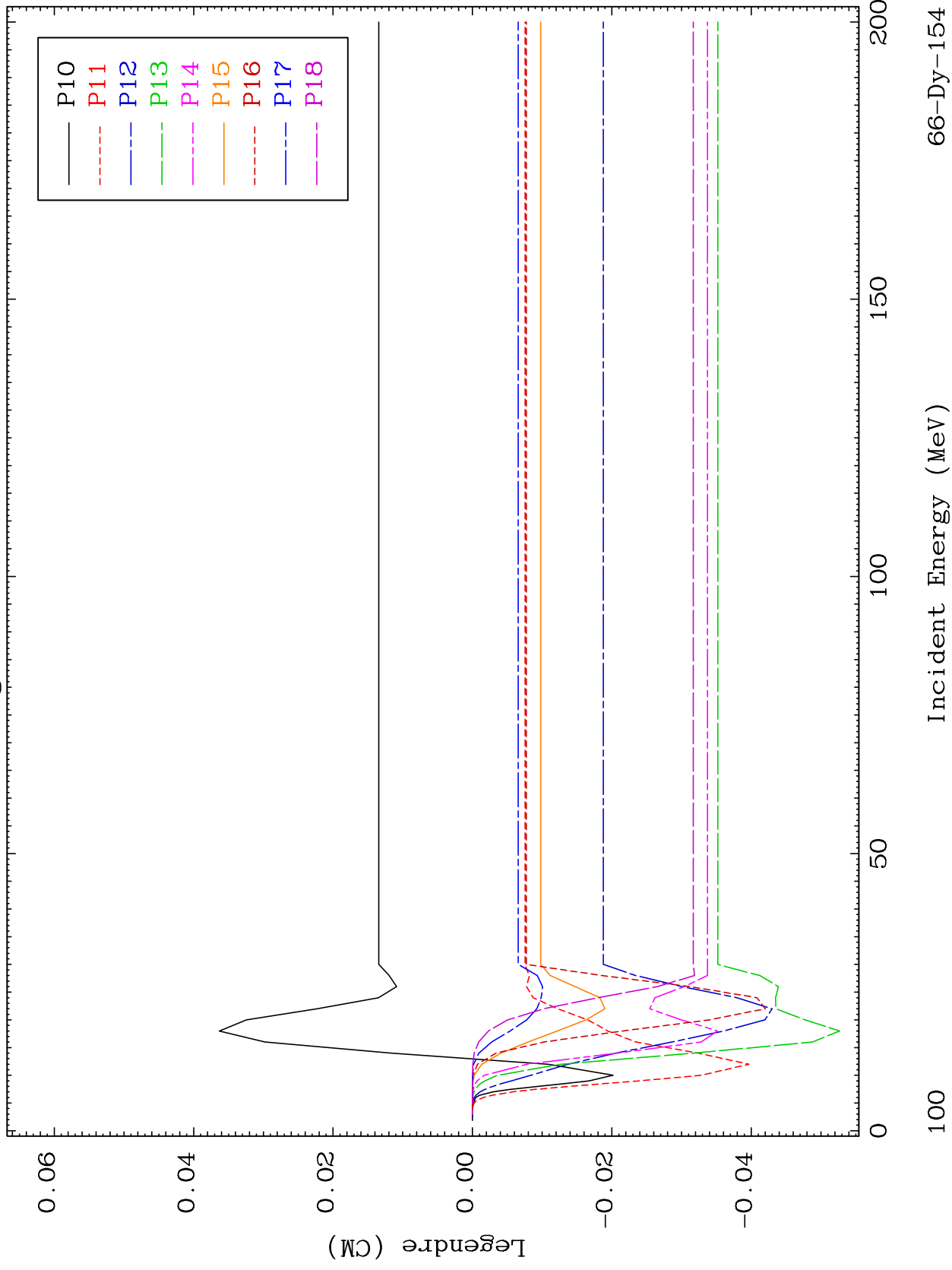




MAT 6619

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

66-Dy-154



66-Dy-154

Incident Energy (MeV)

0

50

100

150

200

0.06

0.04

0.02

0.00

-0.02

-0.04

P10

P11

P12

P13

P14

P15

P16

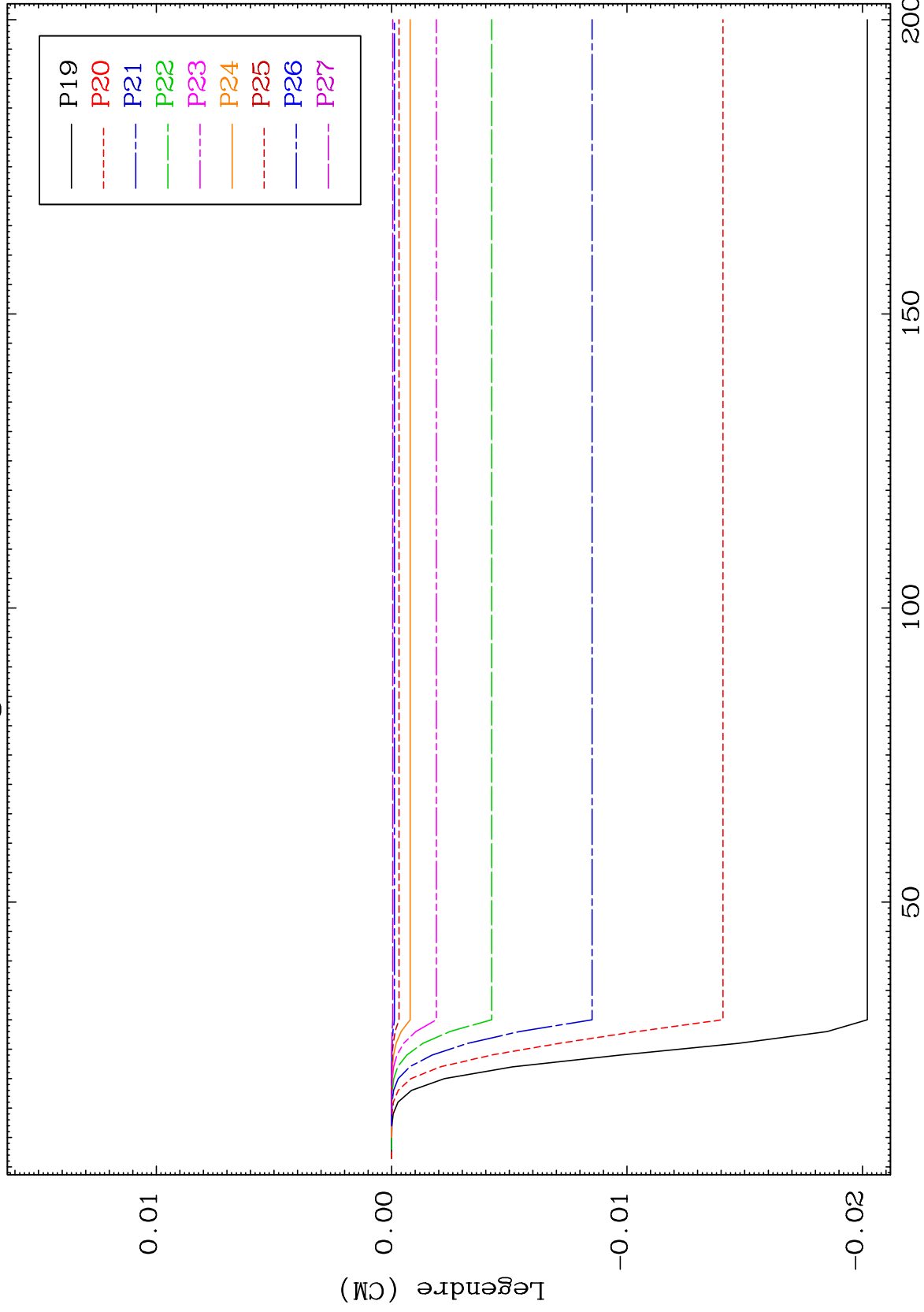
P17

P18

MAT 6619

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

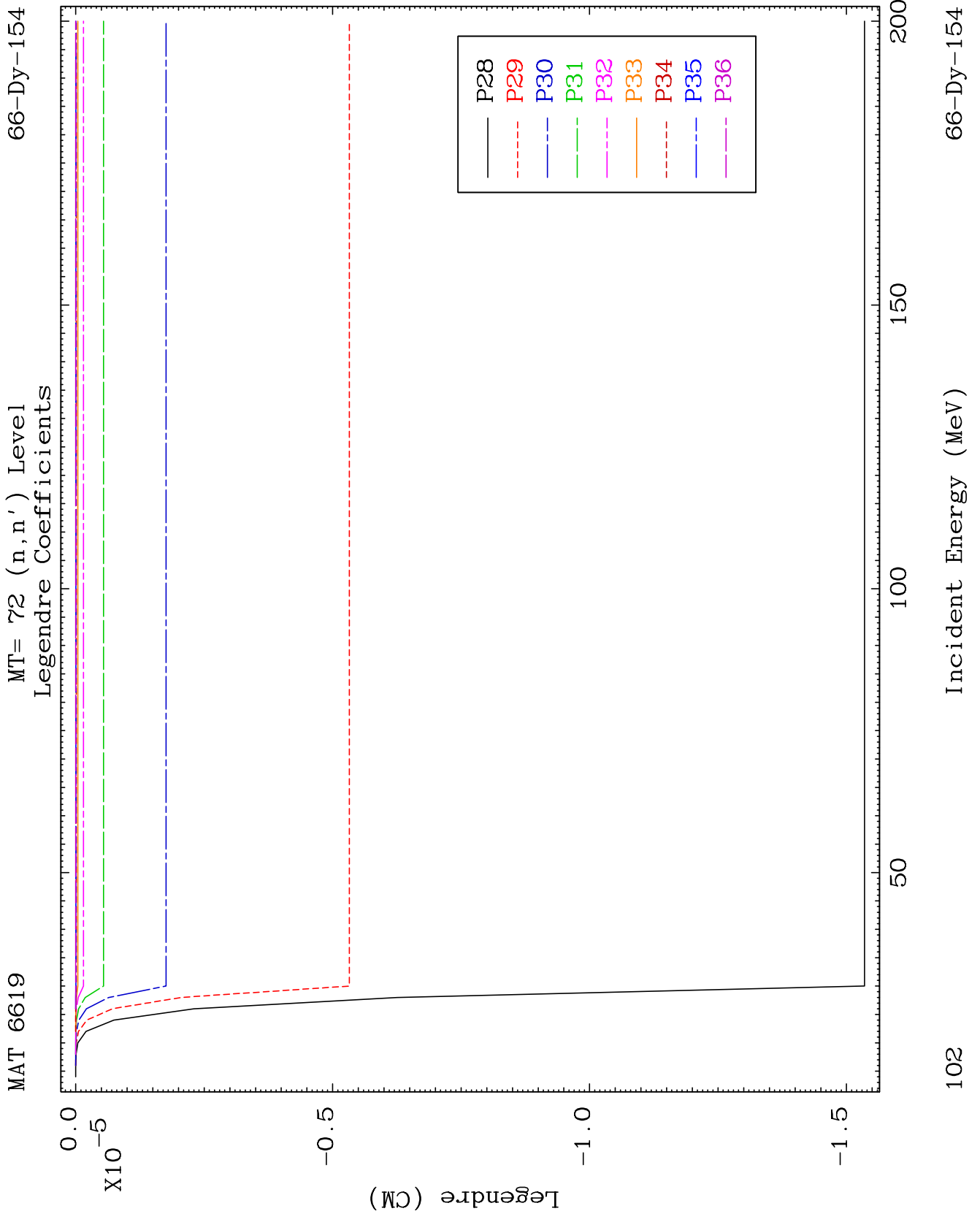
66-Dy-154



101

Incident Energy (MeV)

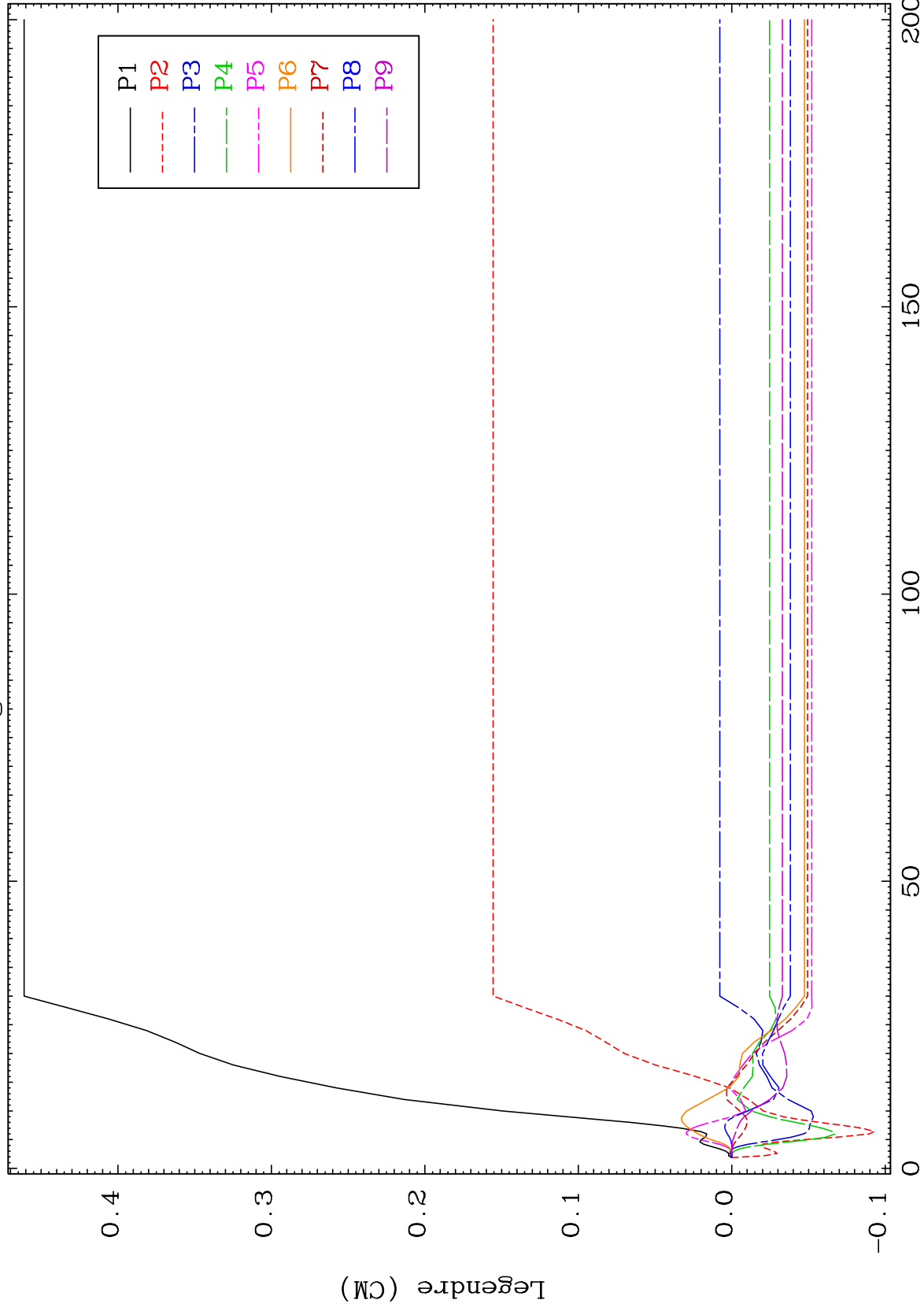
66-Dy-154



MAT 6619

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

66-Dy-154



66-Dy-154

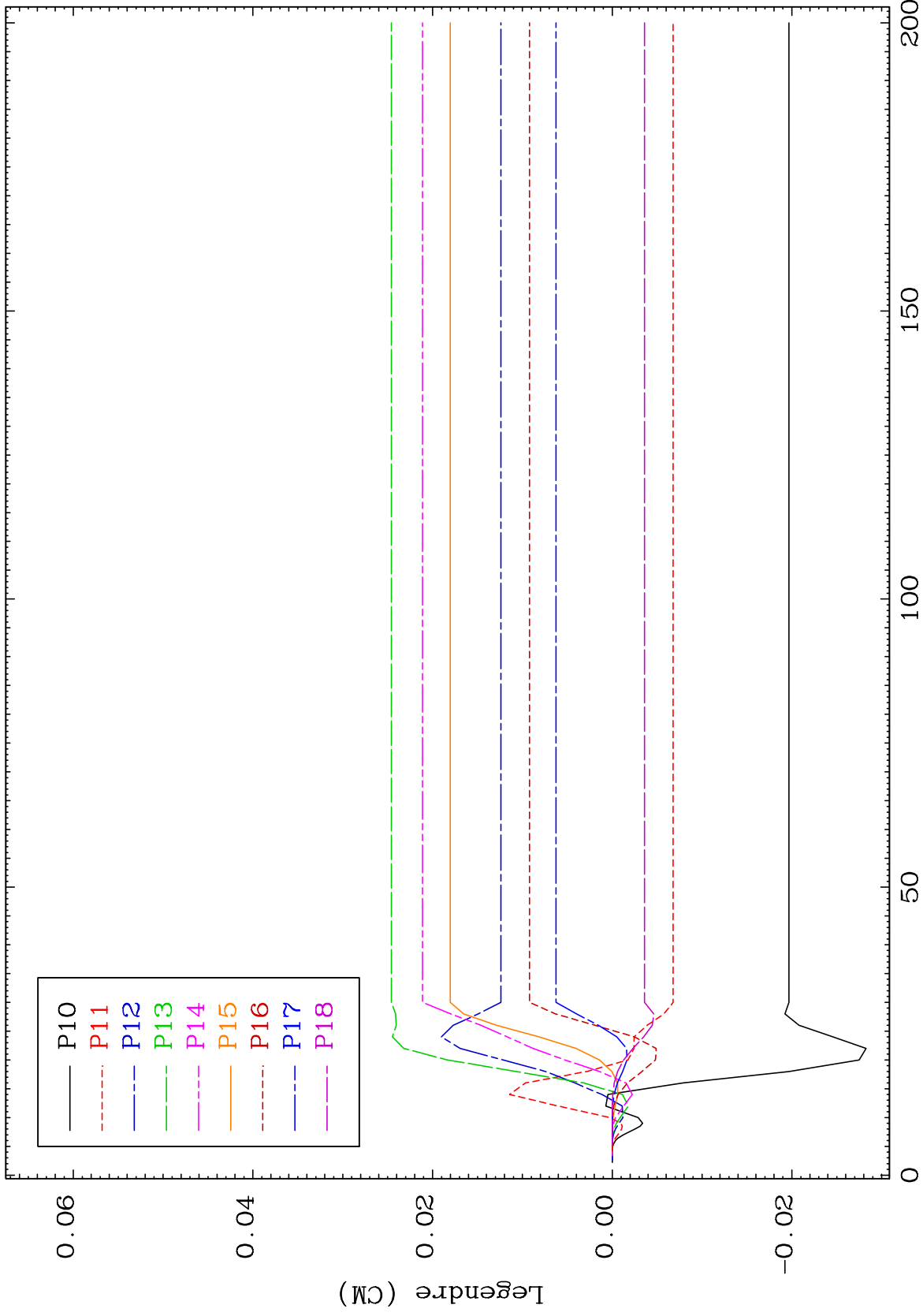
Incident Energy (MeV)

103

MAT 6619

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

66-Dy-154



104

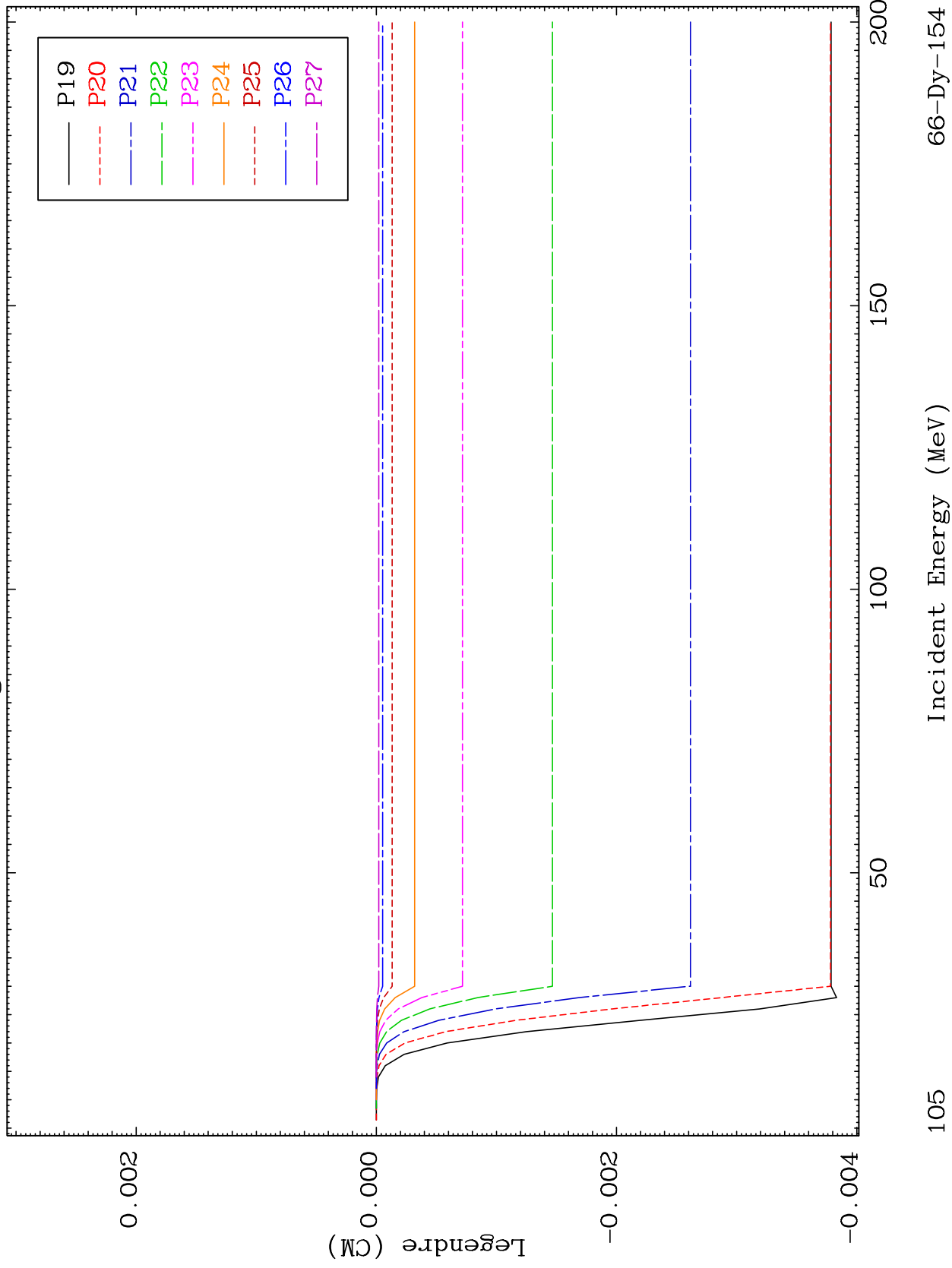
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

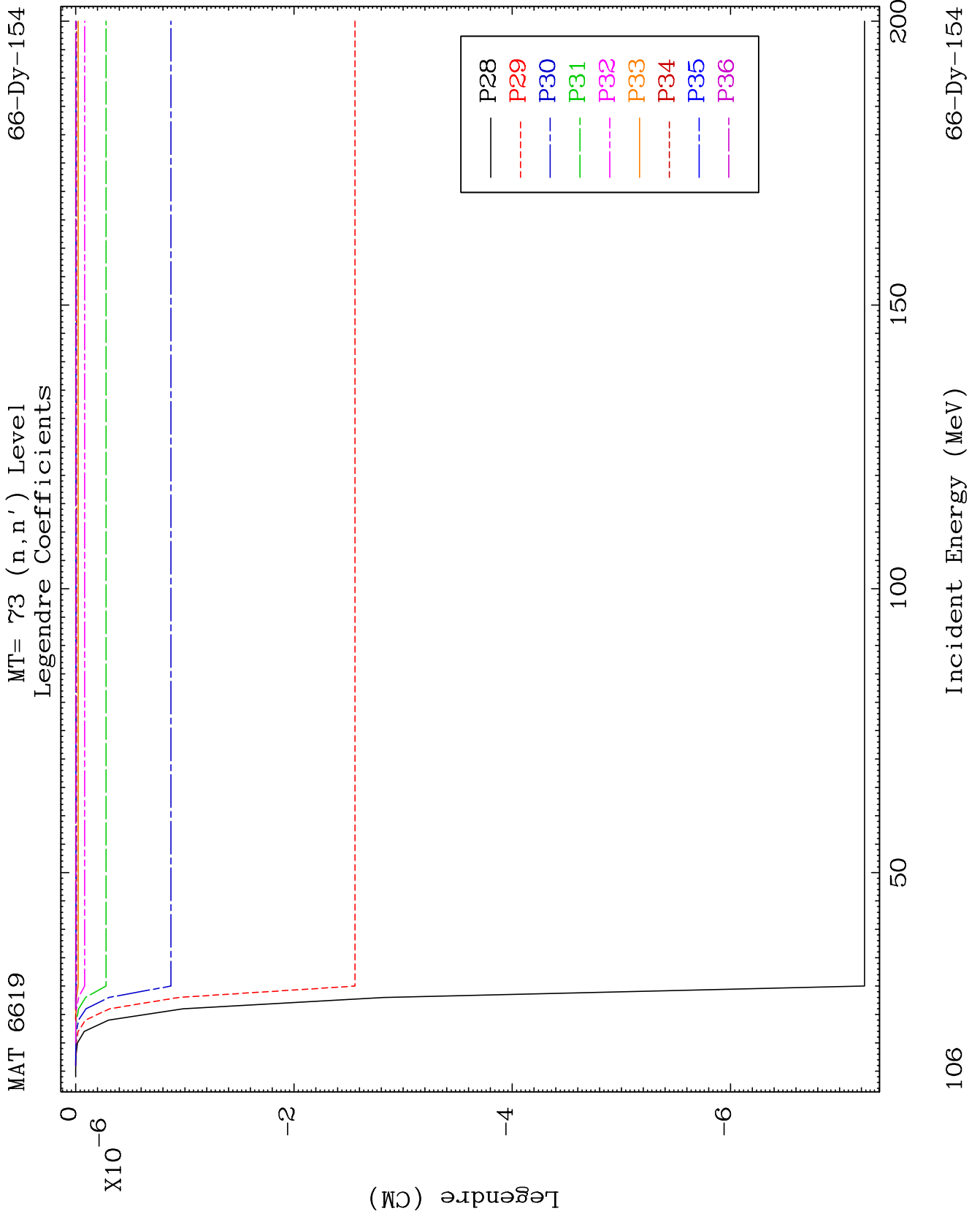
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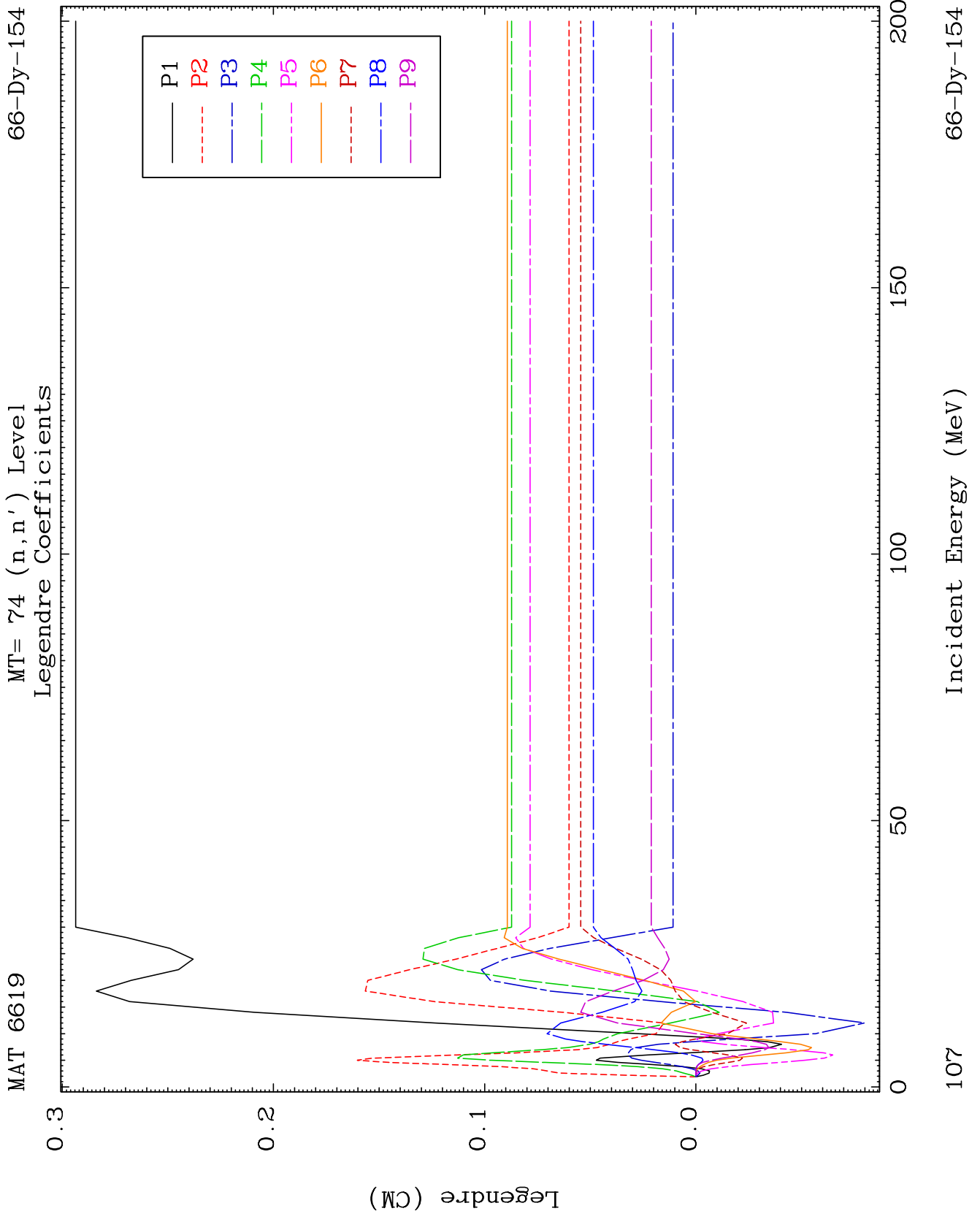


66-Dy-154

Incident Energy (MeV)

105

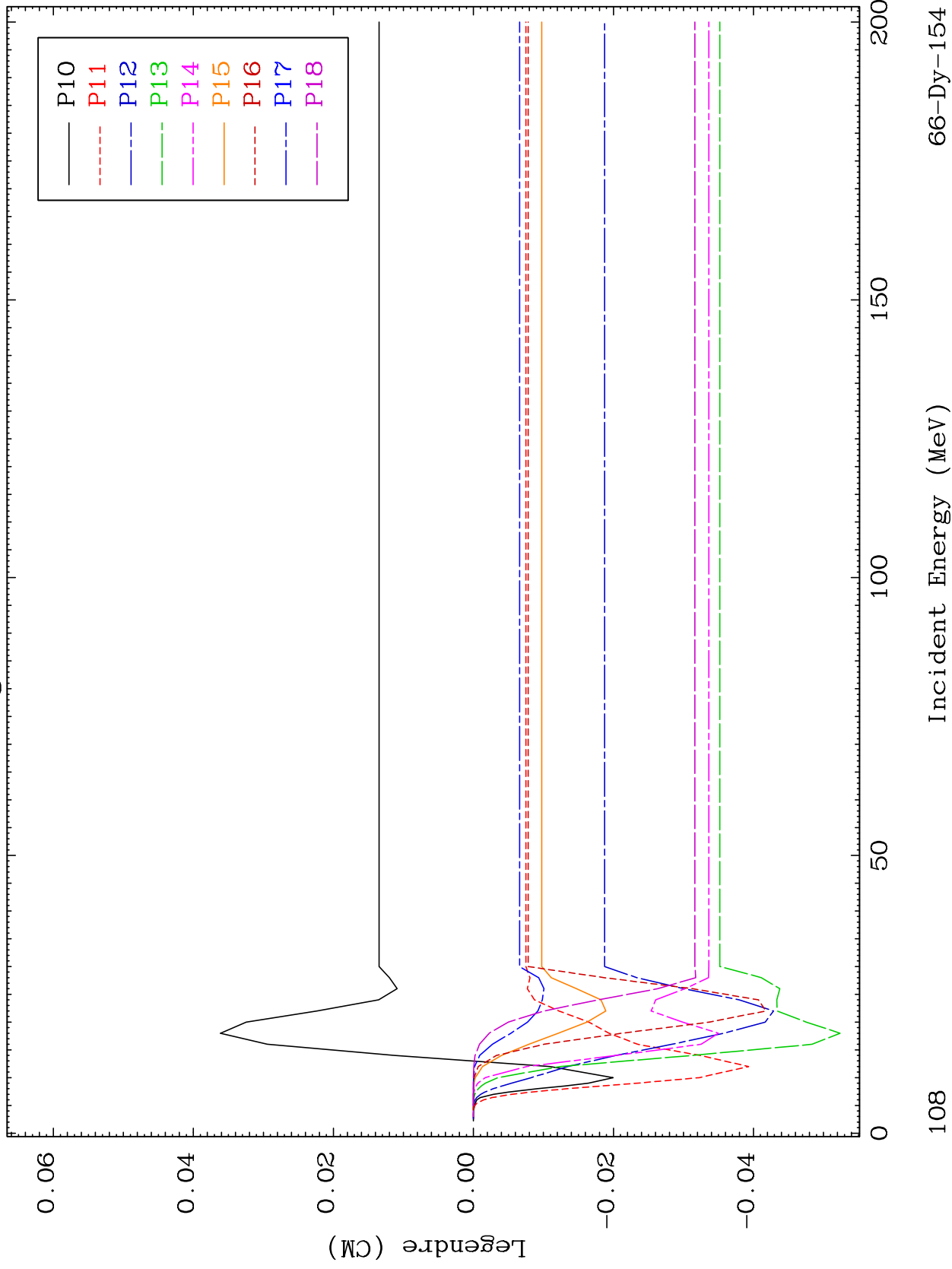




MAT 6619

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

66-Dy-154



66-Dy-154

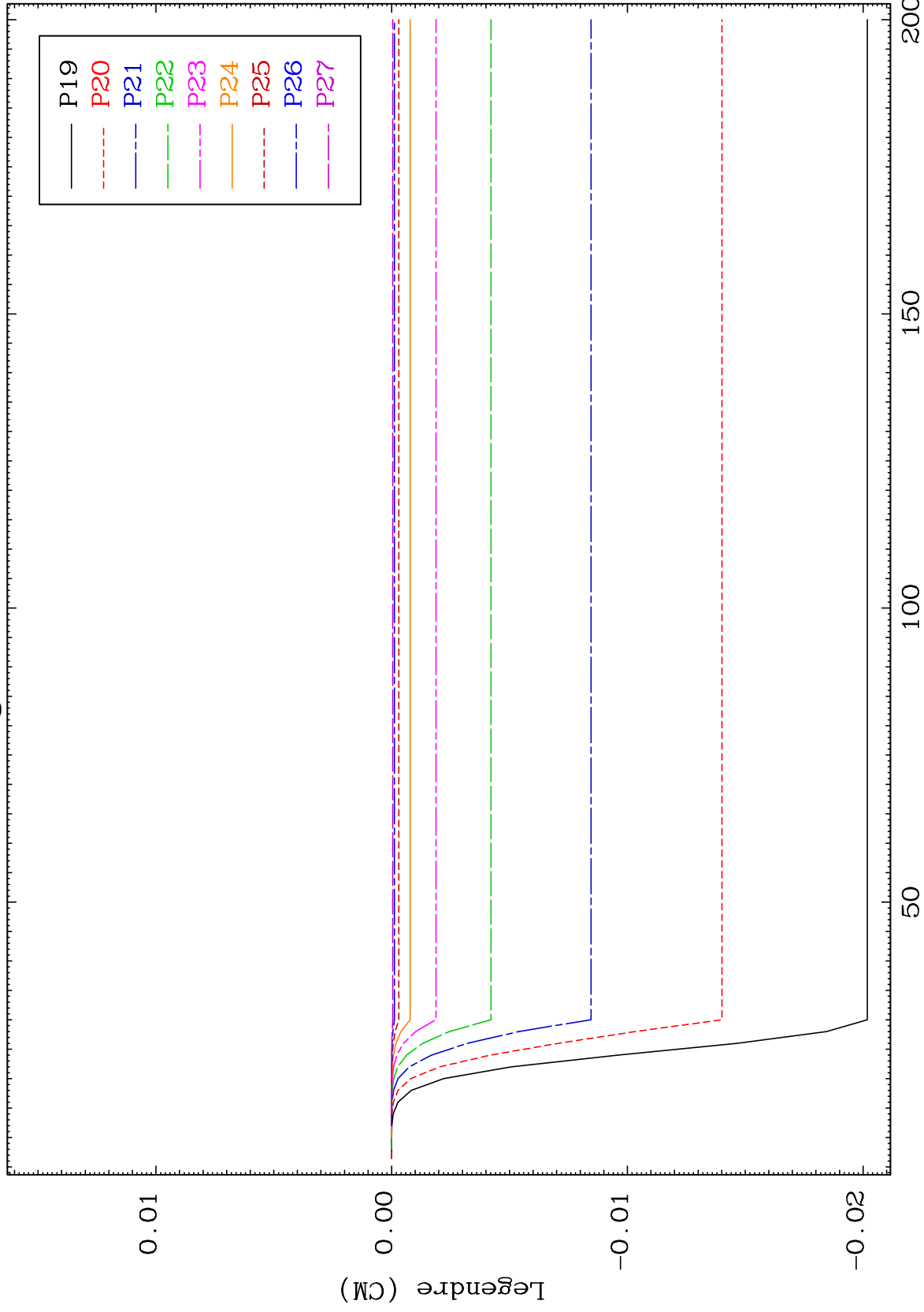
Incident Energy (MeV)

108

MAT 6619

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

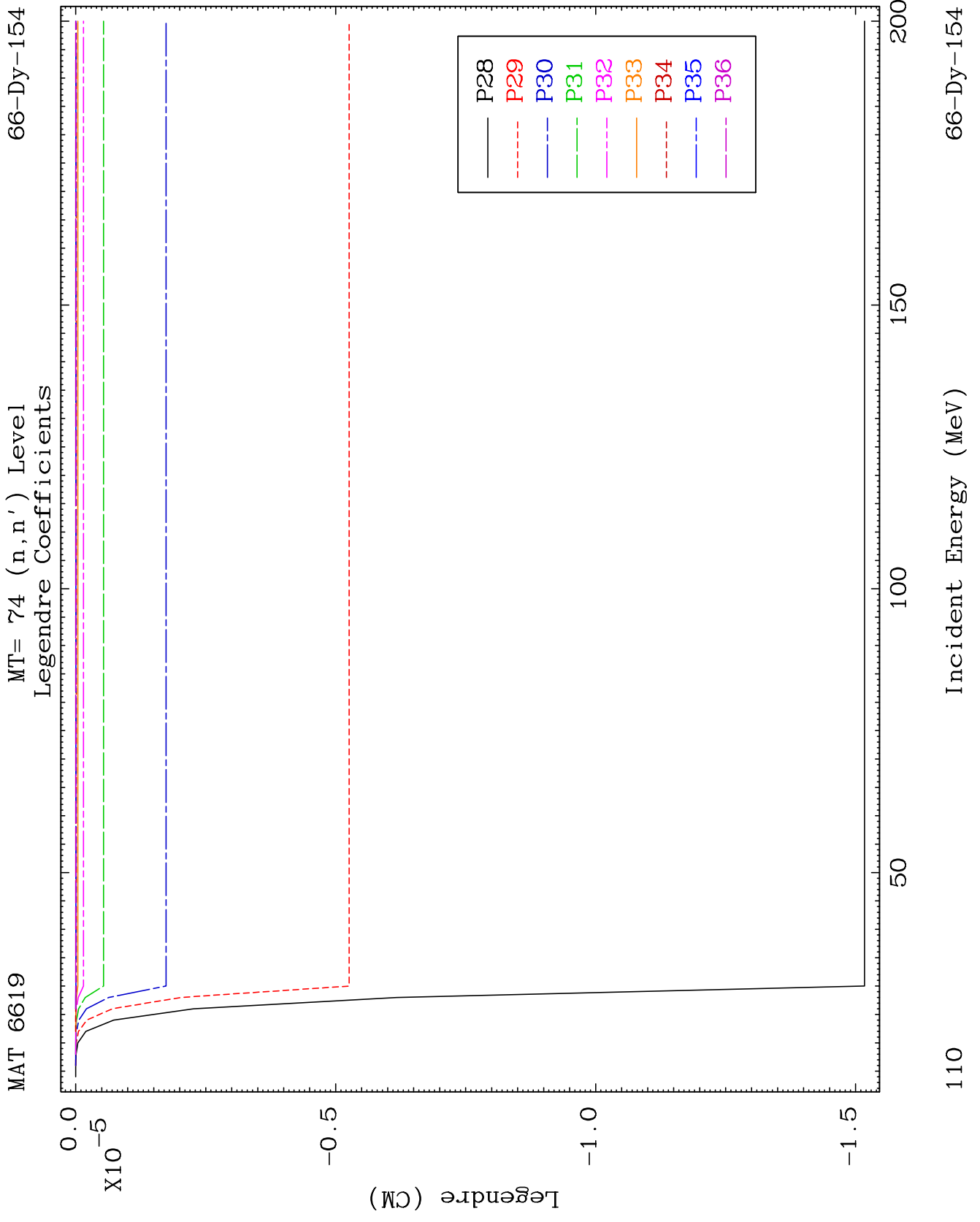
66-Dy-154



109

Incident Energy (MeV)

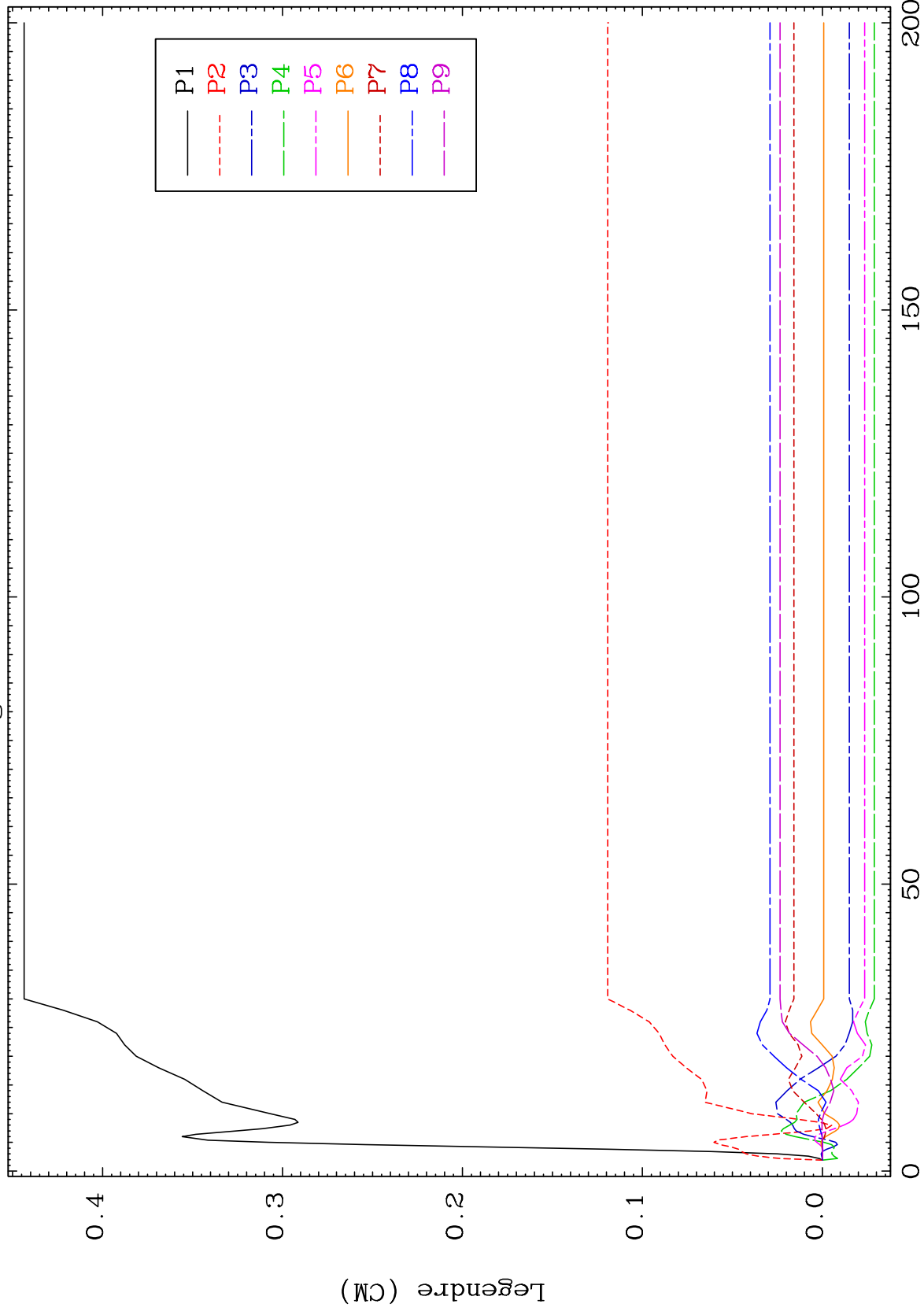
66-Dy-154



MAT 6619

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

66-Dy-154



66-Dy-154

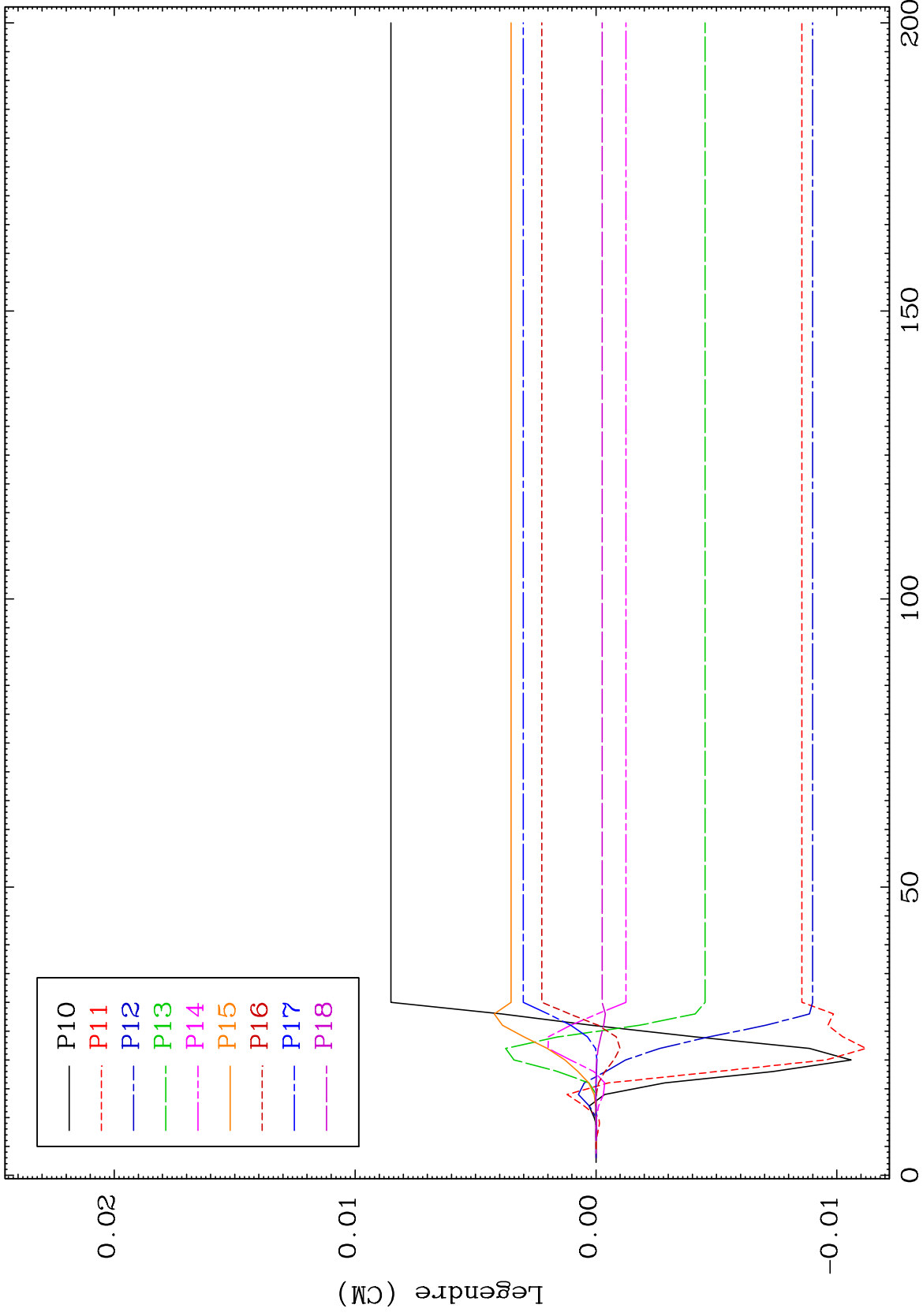
Incident Energy (MeV)

111

MAT 6619

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

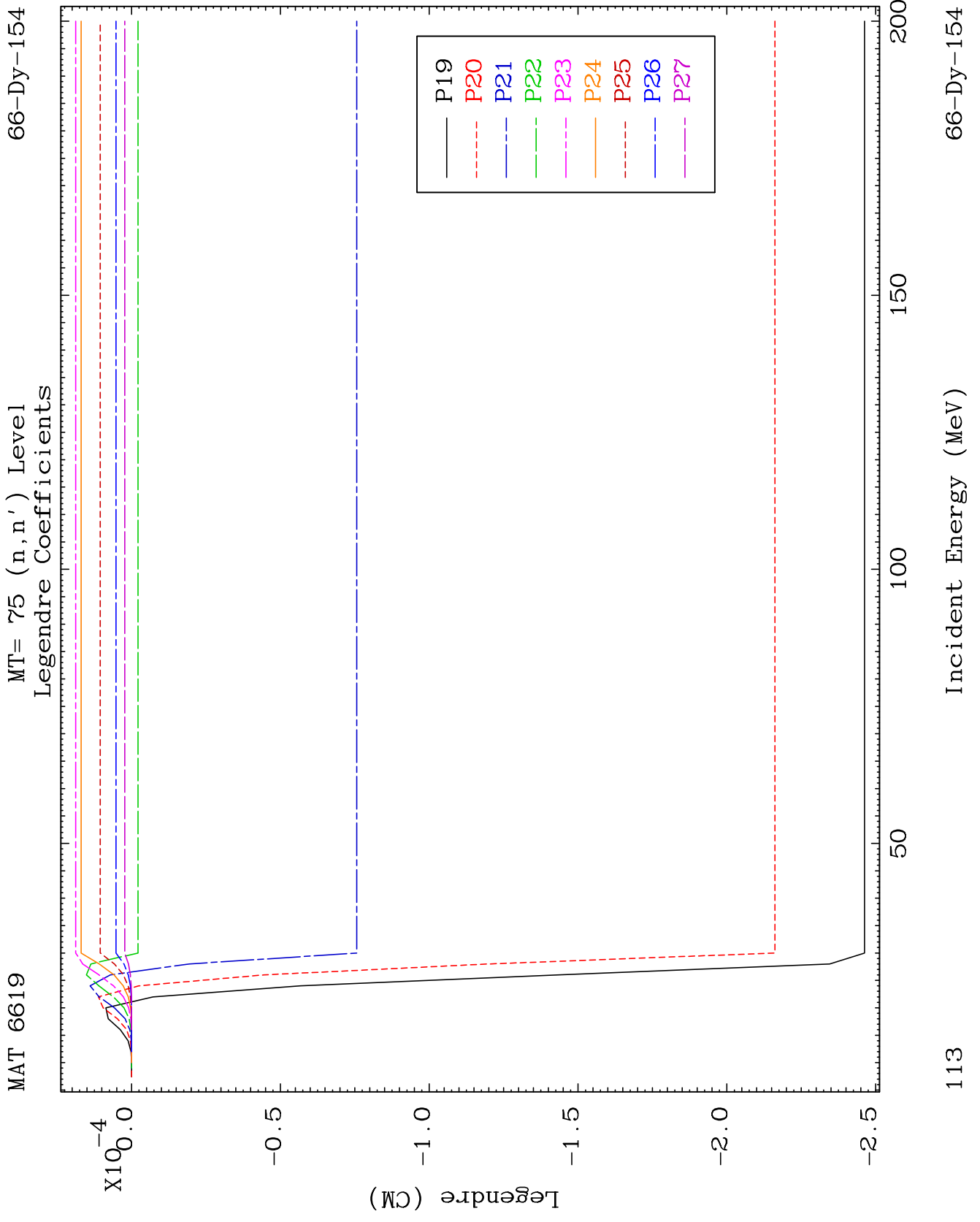
66-Dy-154



112

Incident Energy (MeV)

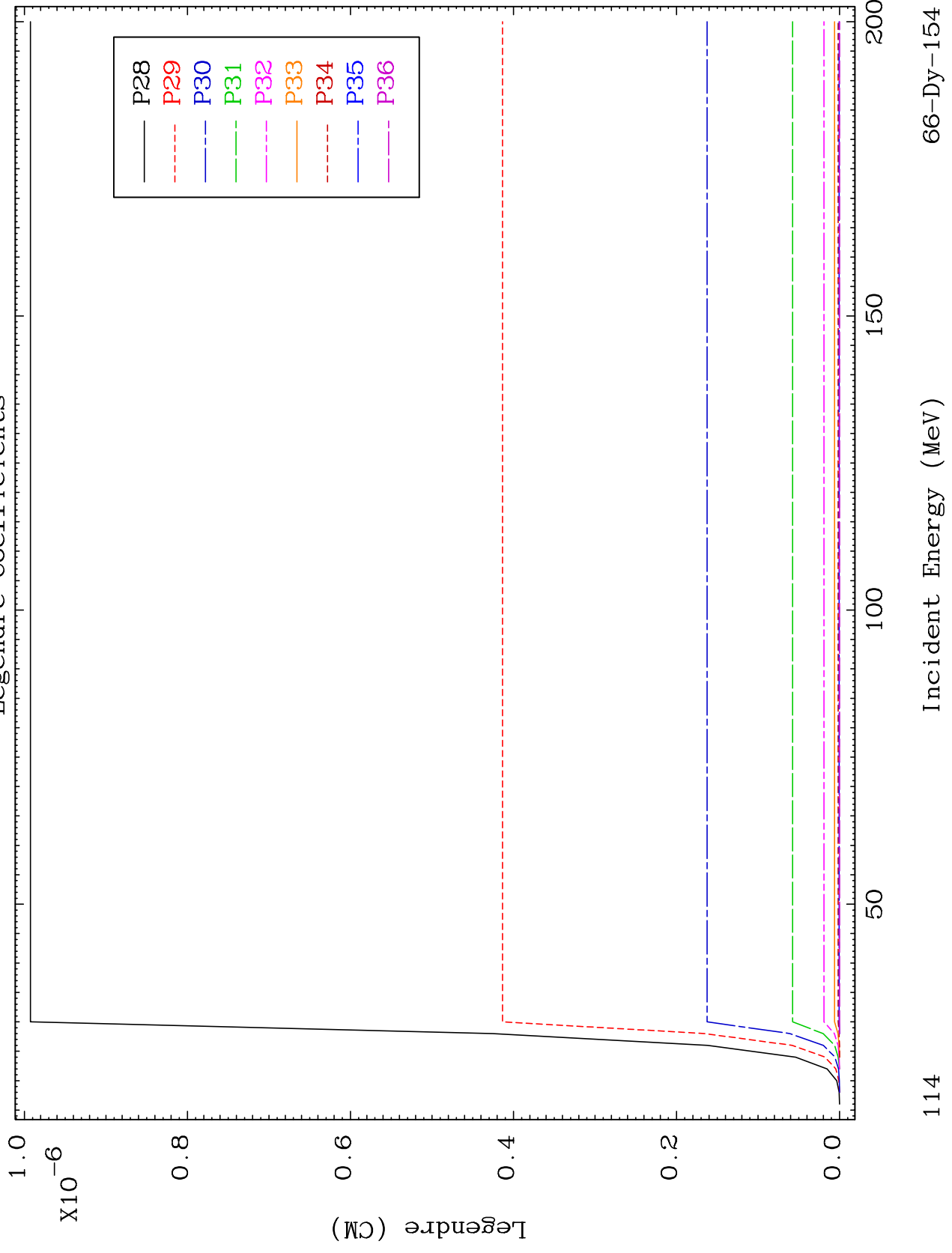
66-Dy-154



MAT 6619

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

66-Dy-154



114

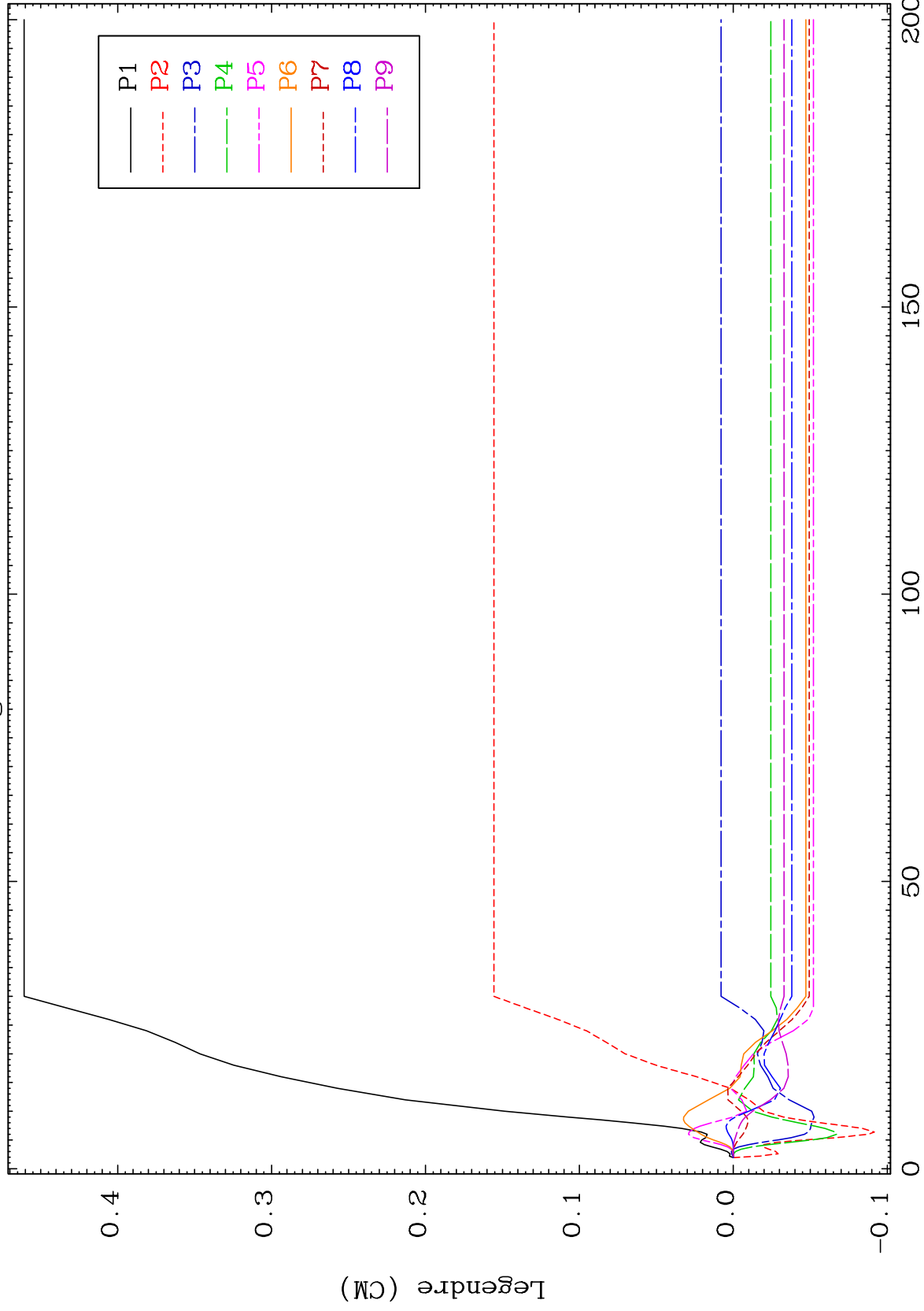
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



115

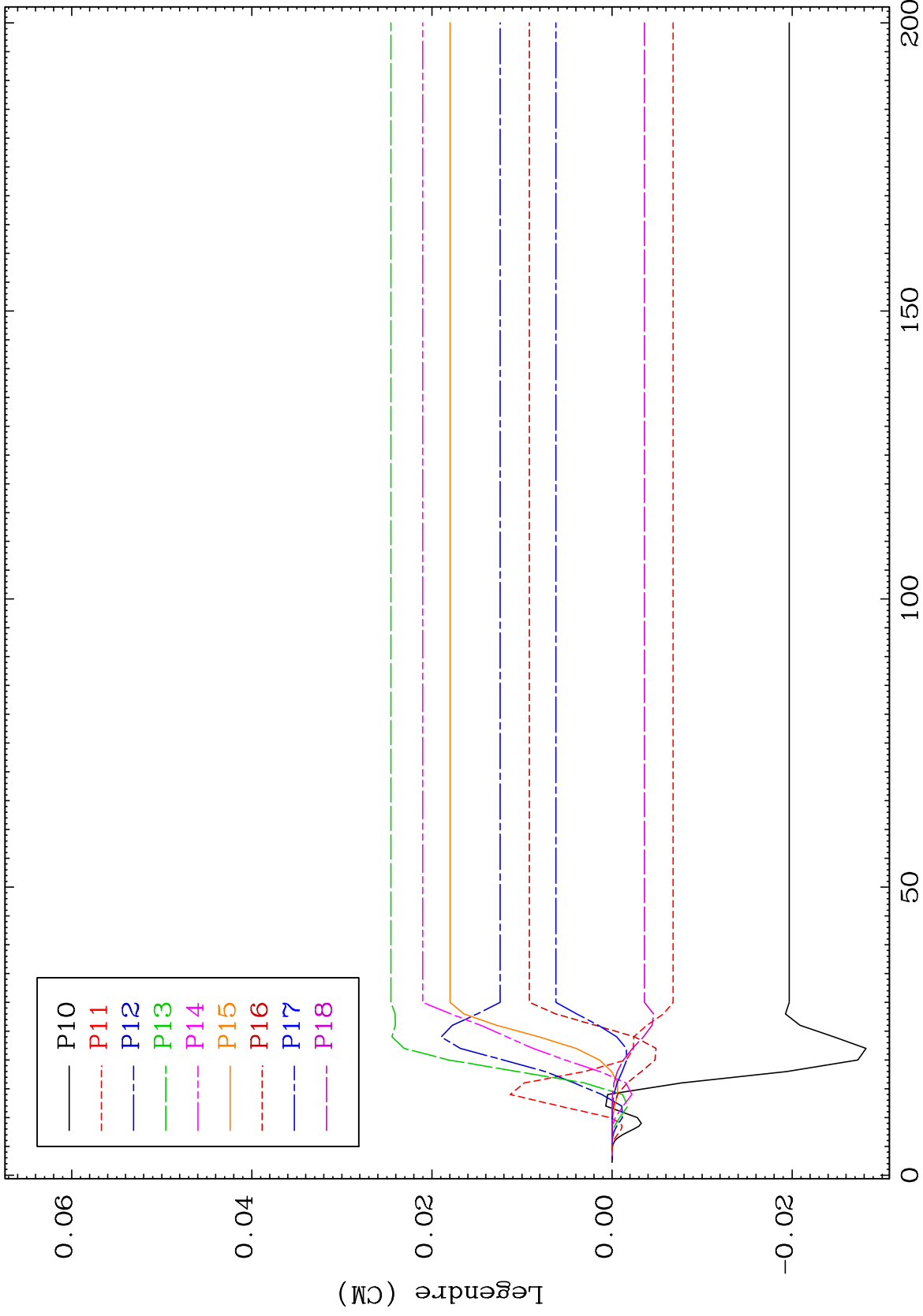
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

66-Dy-154



116

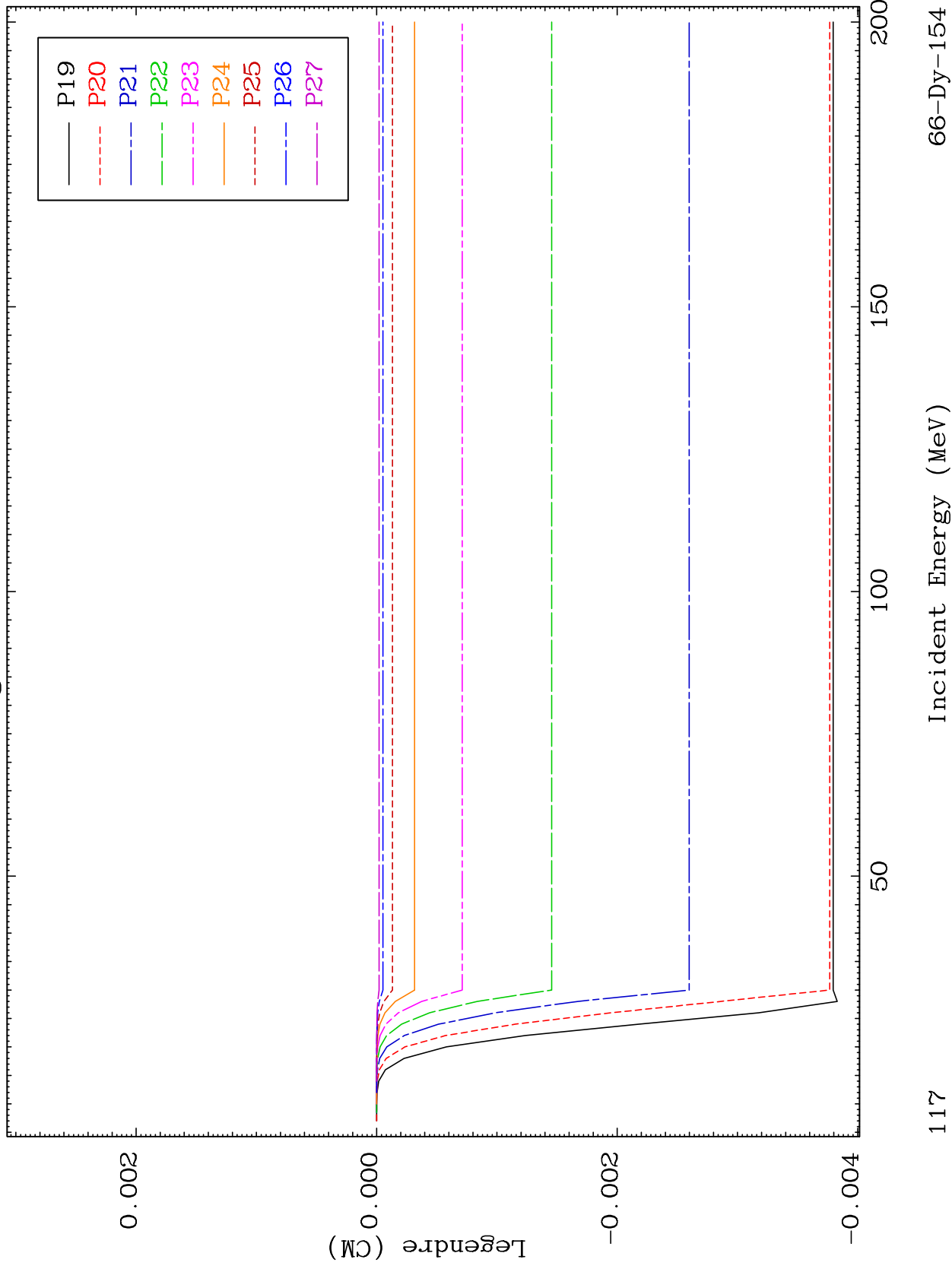
Incident Energy (MeV)

66-Dy-154

MAT 6619

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

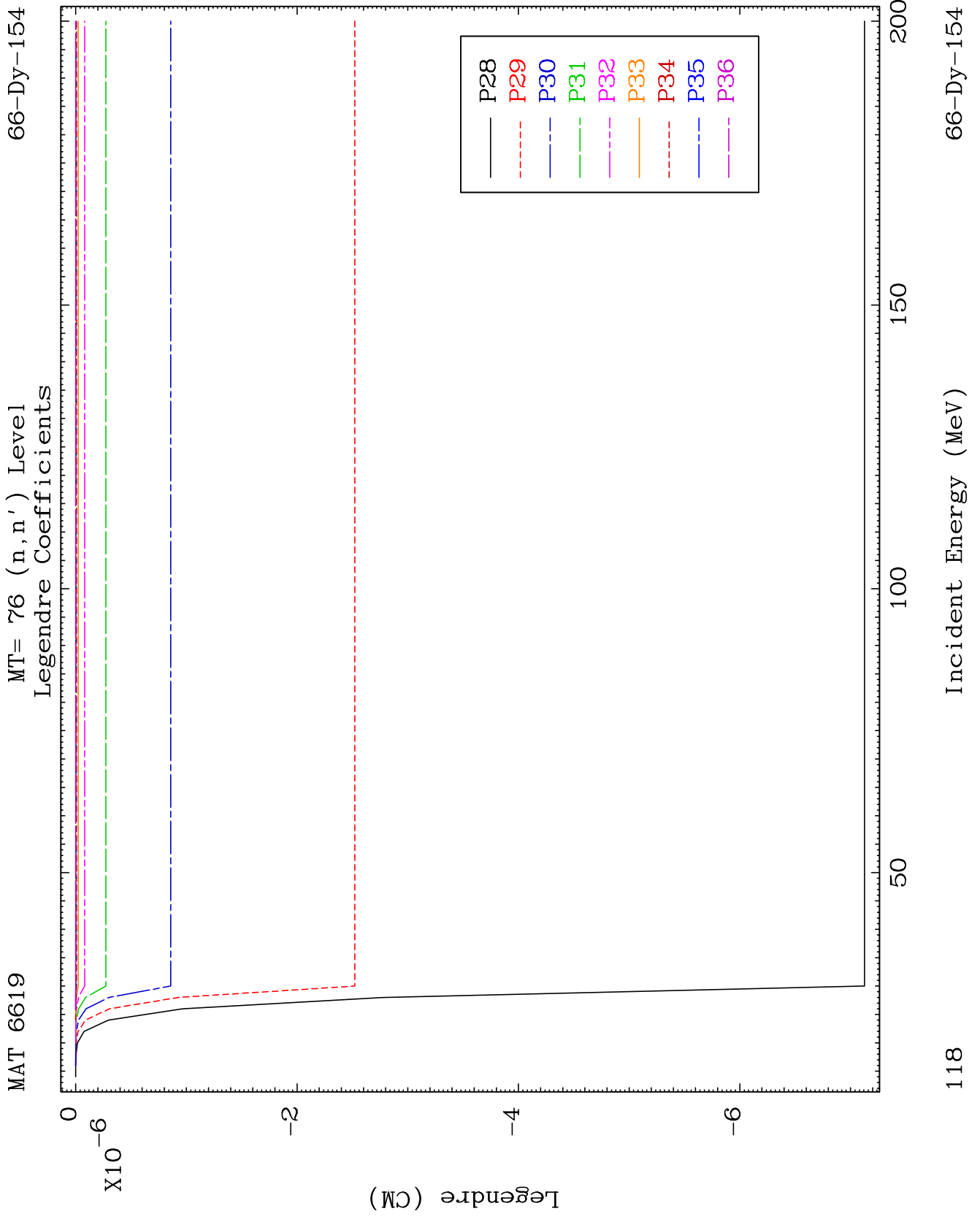
66-Dy-154



117

Incident Energy (MeV)

66-Dy-154

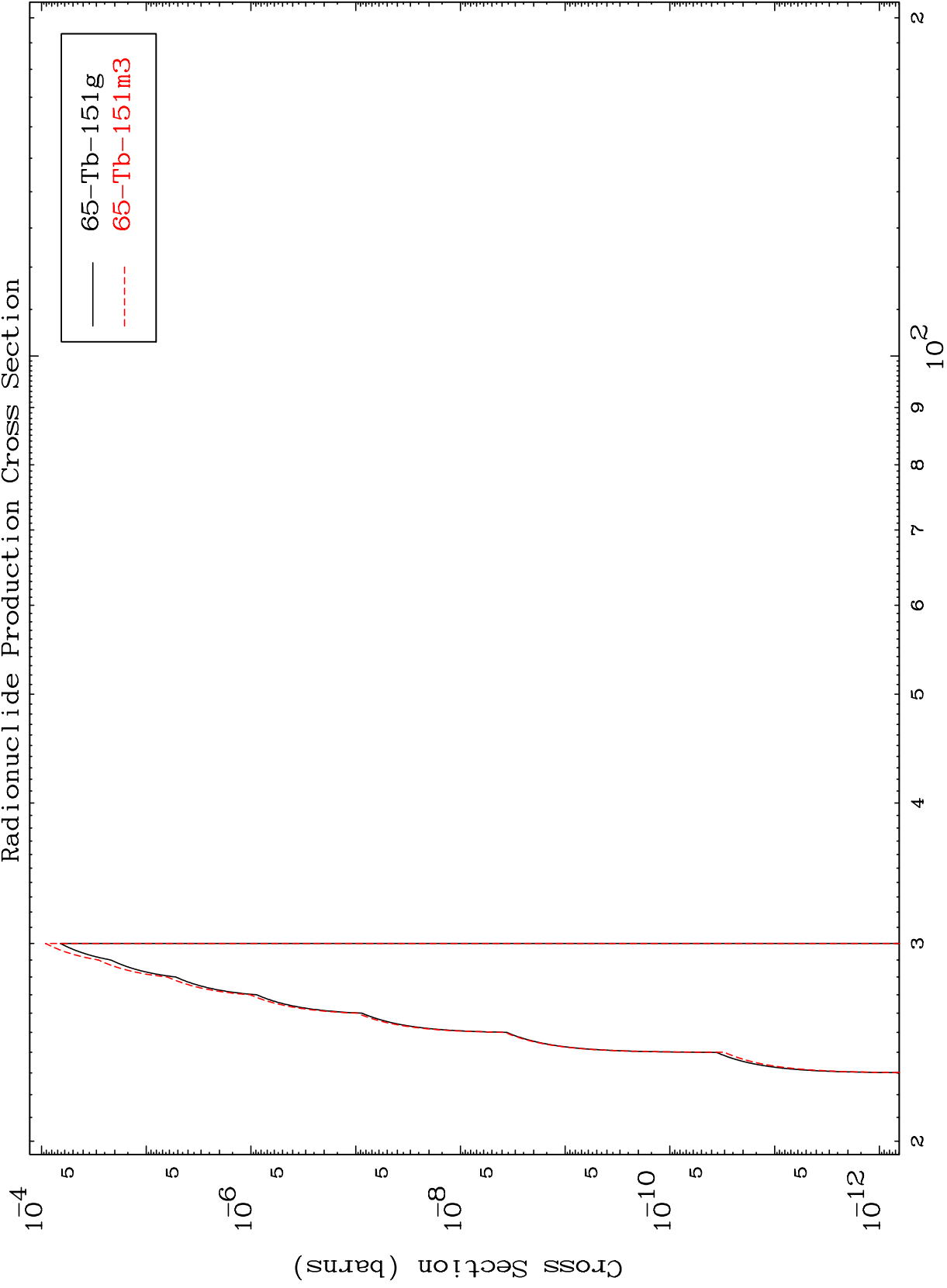


MAT 6619

(n,2n) d

66-Dy-154

Radionuclide Production Cross Section



119

Incident Energy (MeV)

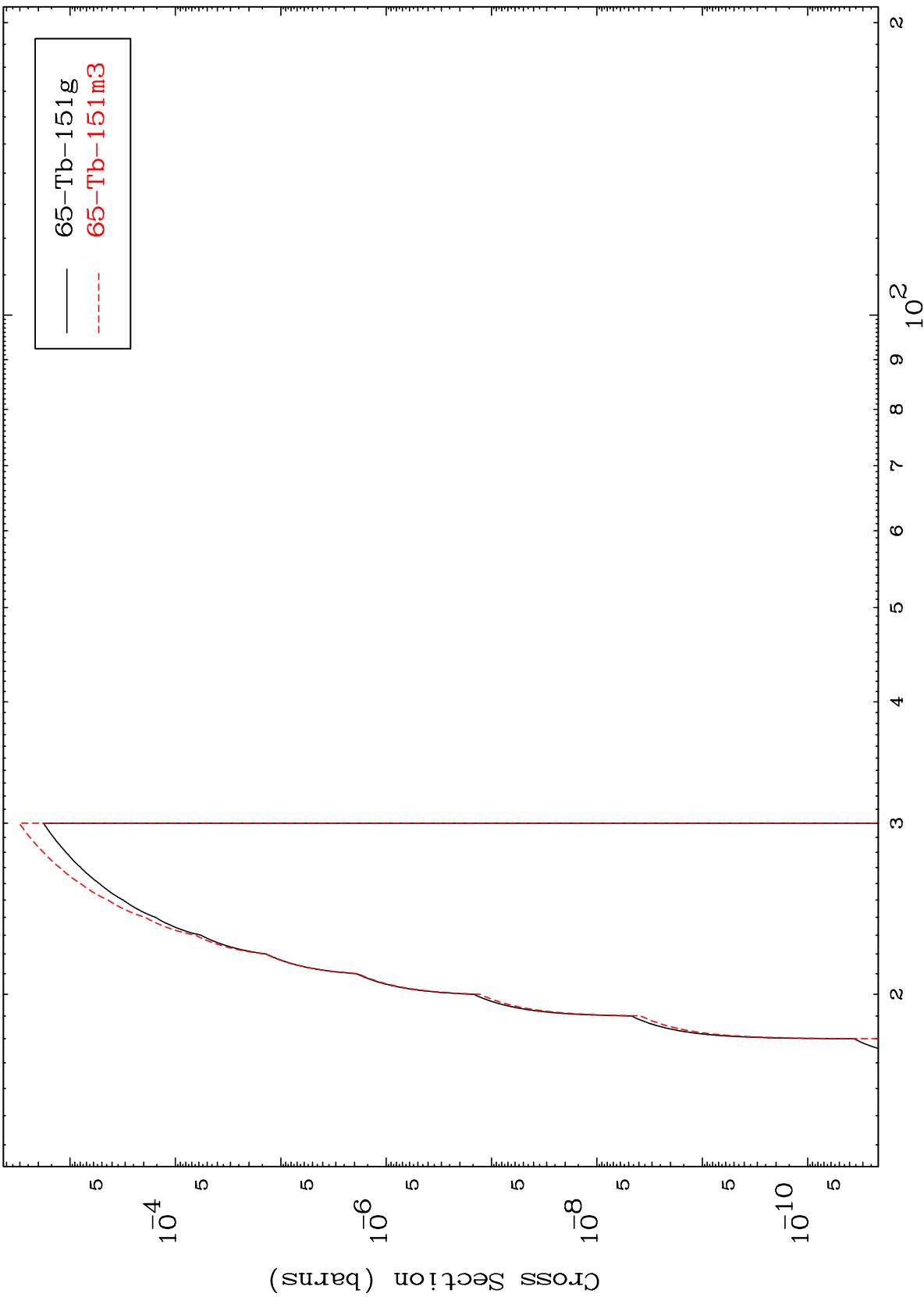
66-Dy-154

MAT 6619

(n,n') t

66-Dy-154

Radionuclide Production Cross Section



65-Tb-151g
65-Tb-151m3

120

Incident Energy (MeV)

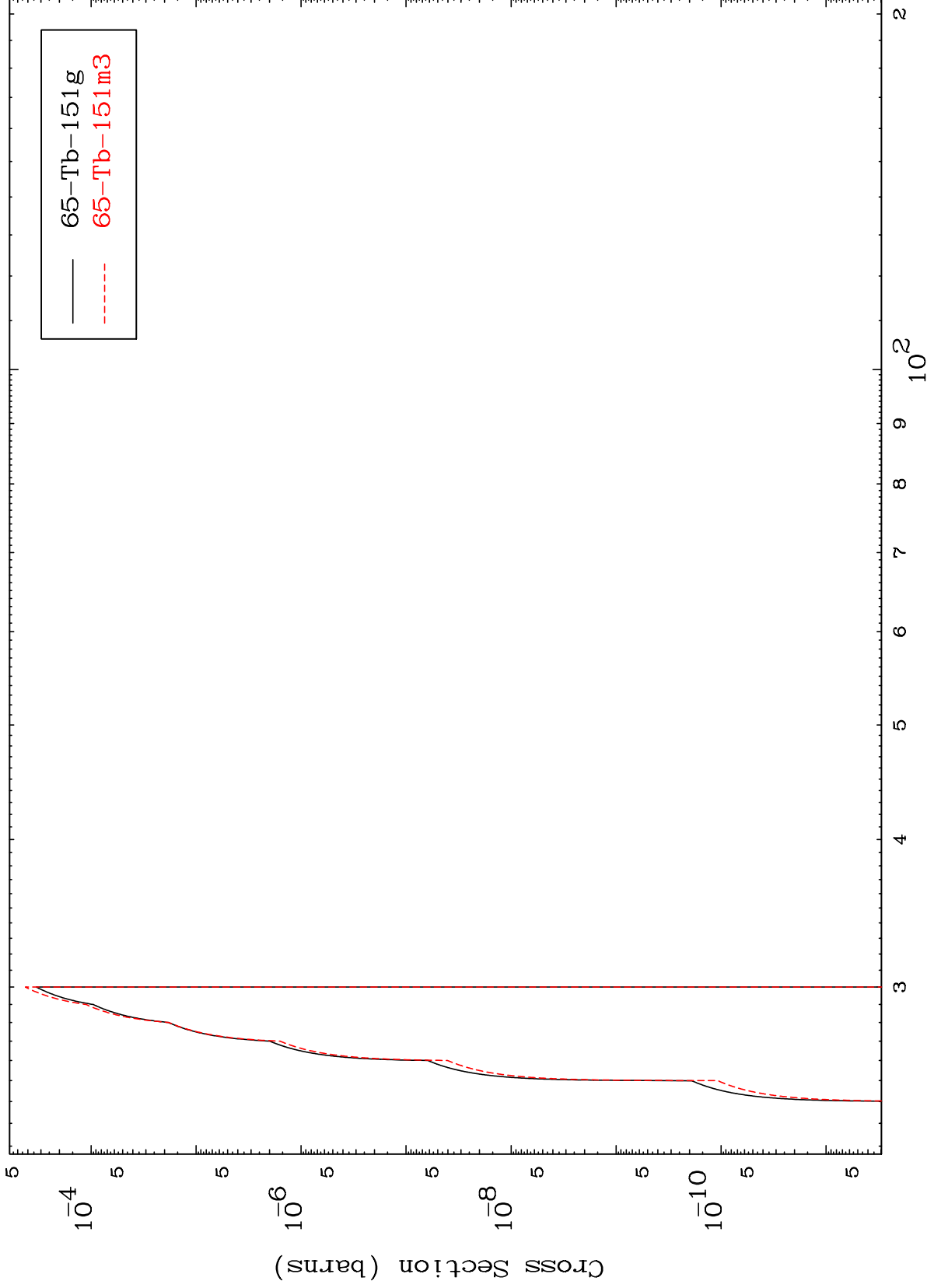
66-Dy-154

MAT 6619

(n,3n) p

66-Dy-154

Radionuclide Production Cross Section



121

Incident Energy (MeV)

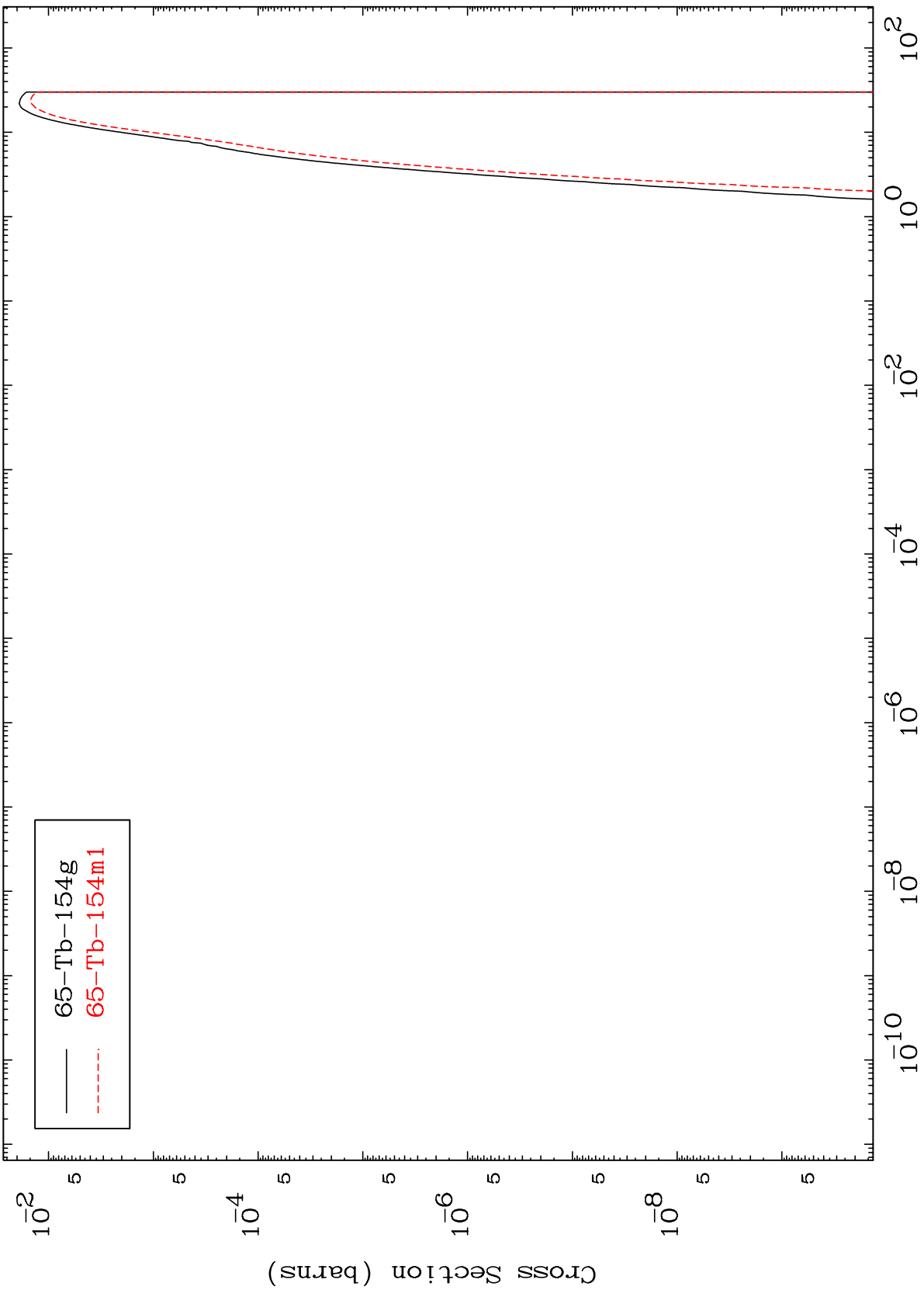
66-Dy-154

MAT 6619

(n,p)

66-Dy-154

Radionuclide Production Cross Section



122

Incident Energy (MeV)

66-Dy-154

MAT 6619

(n,p) α

66-Dy-154

Radionuclide Production Cross Section

