

Program EVALPLOT
(Version 2017-1)

by

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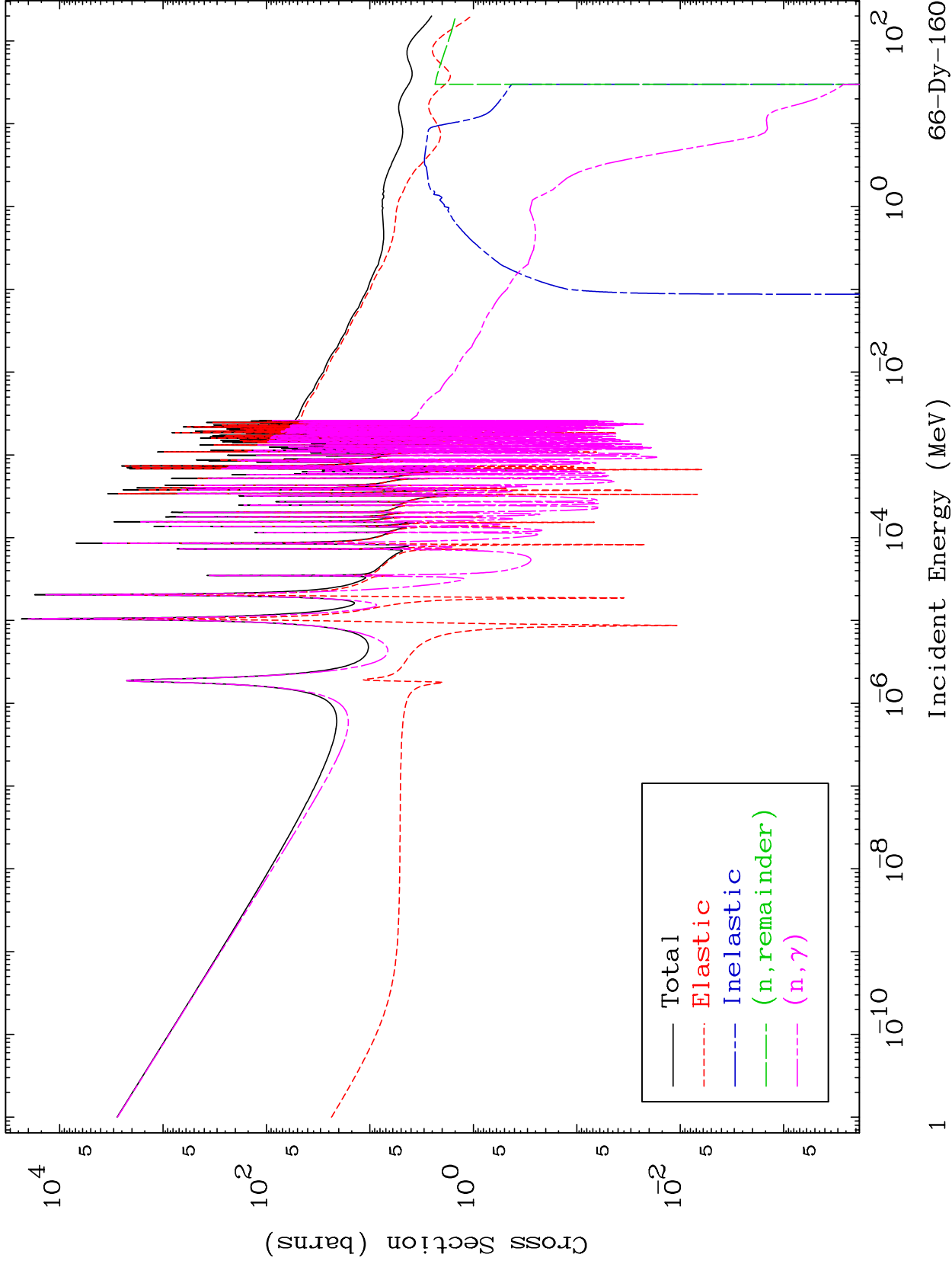
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6637

Major
293 Kelvin Cross Sections

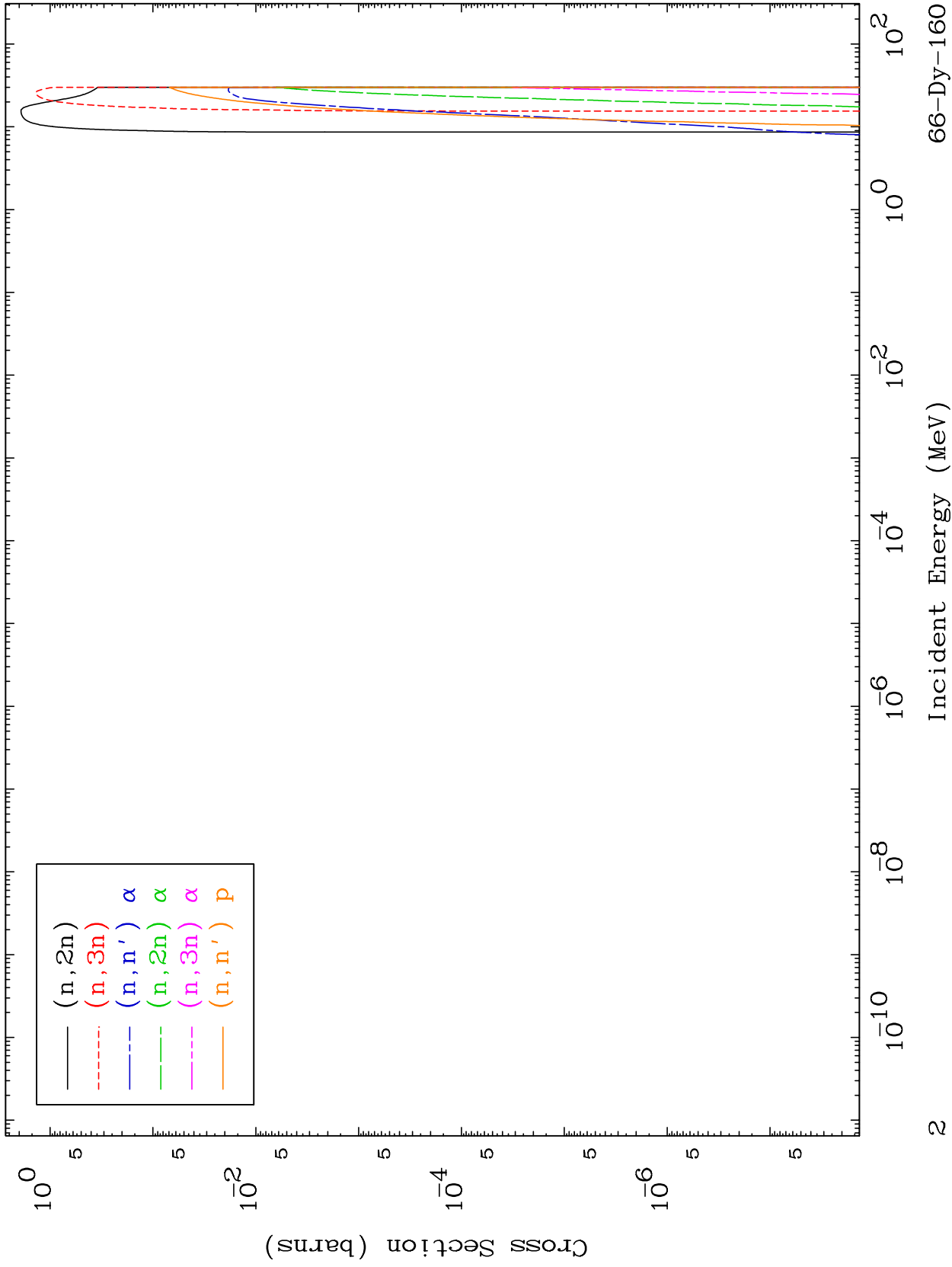
66-Dy-160

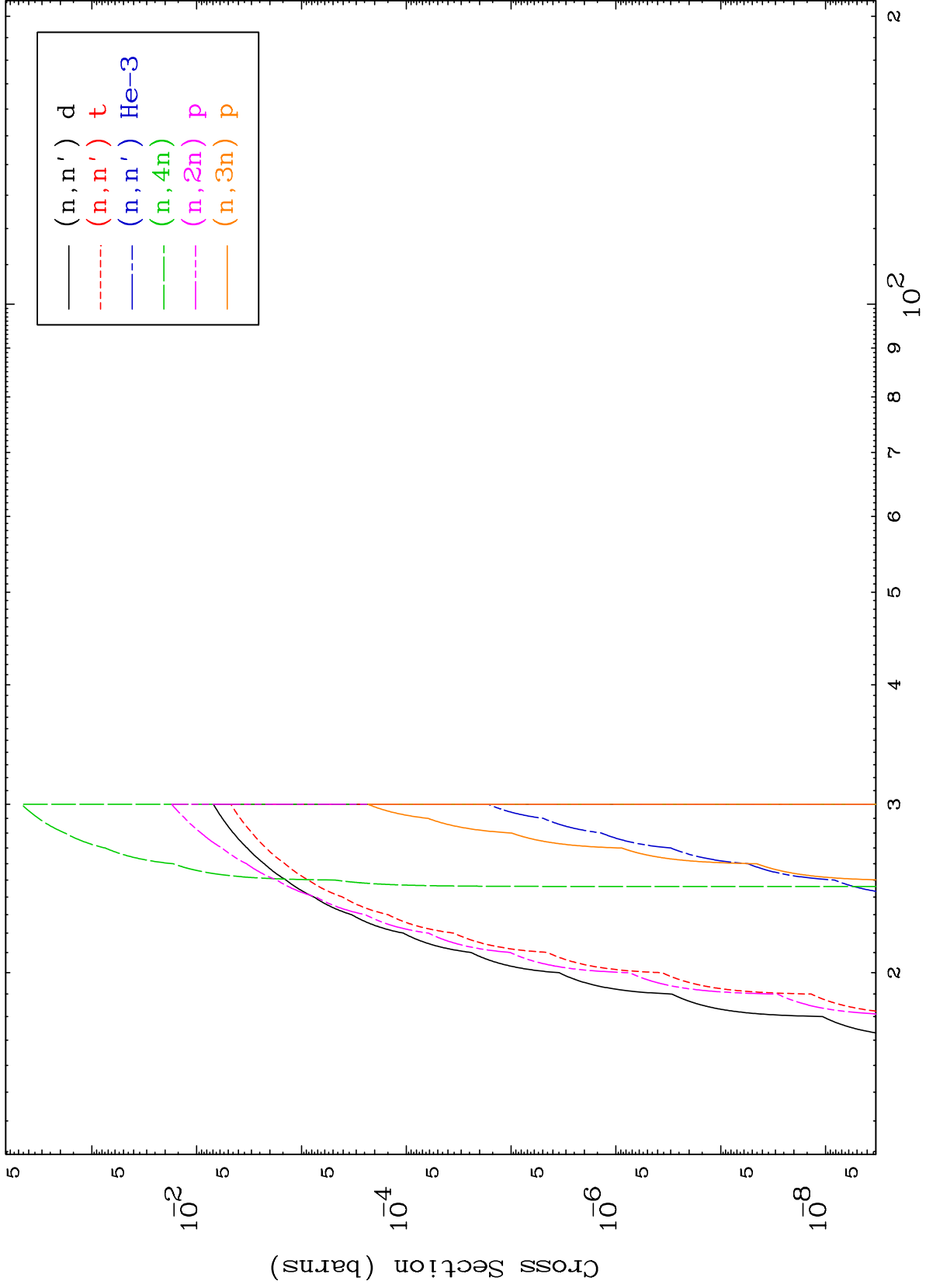


MAT 6637

Neutron Production
293 Kelvin Cross Sections

66-Dy-160

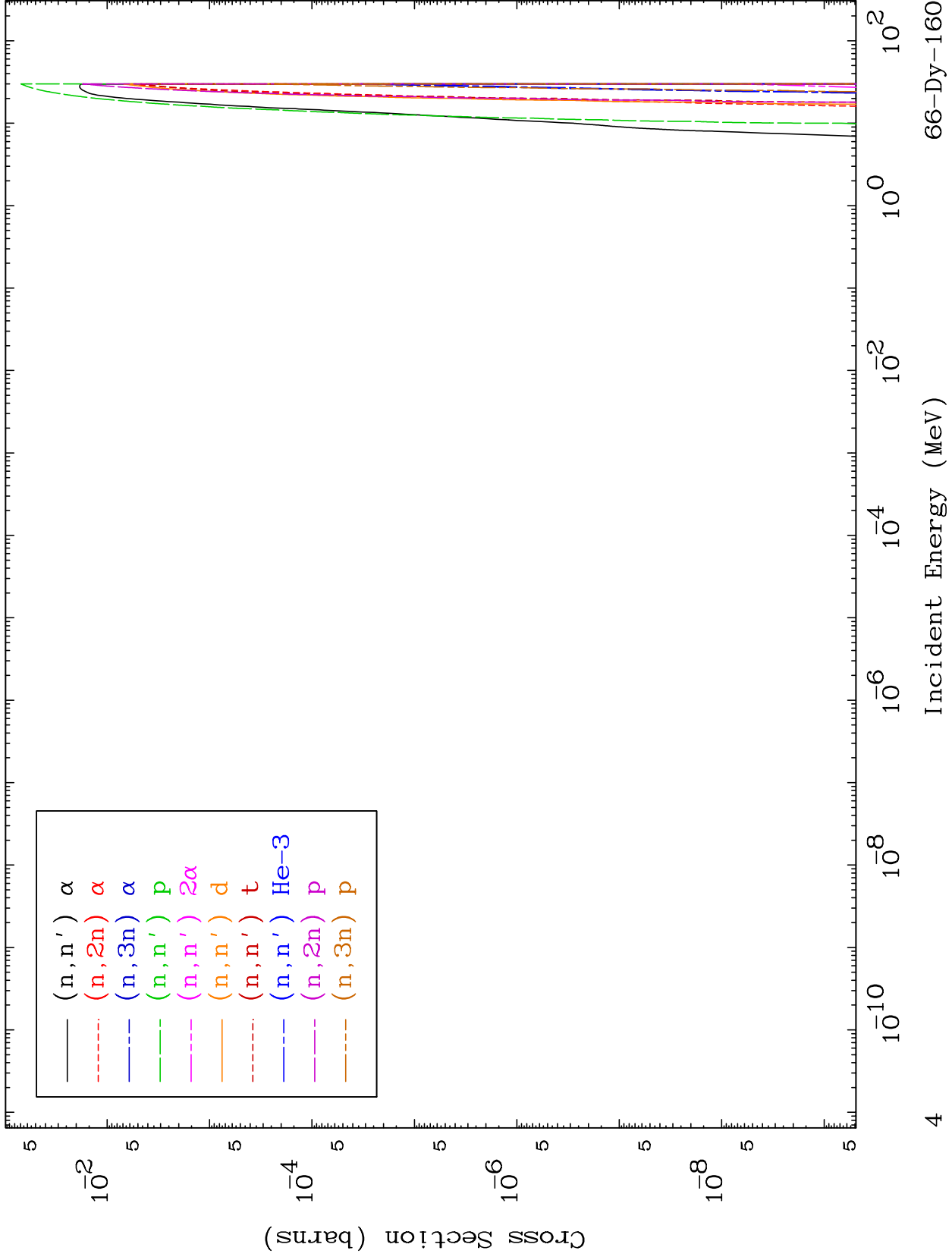




MAT 6637

Charged Particle
293 Kelvin Cross Sections

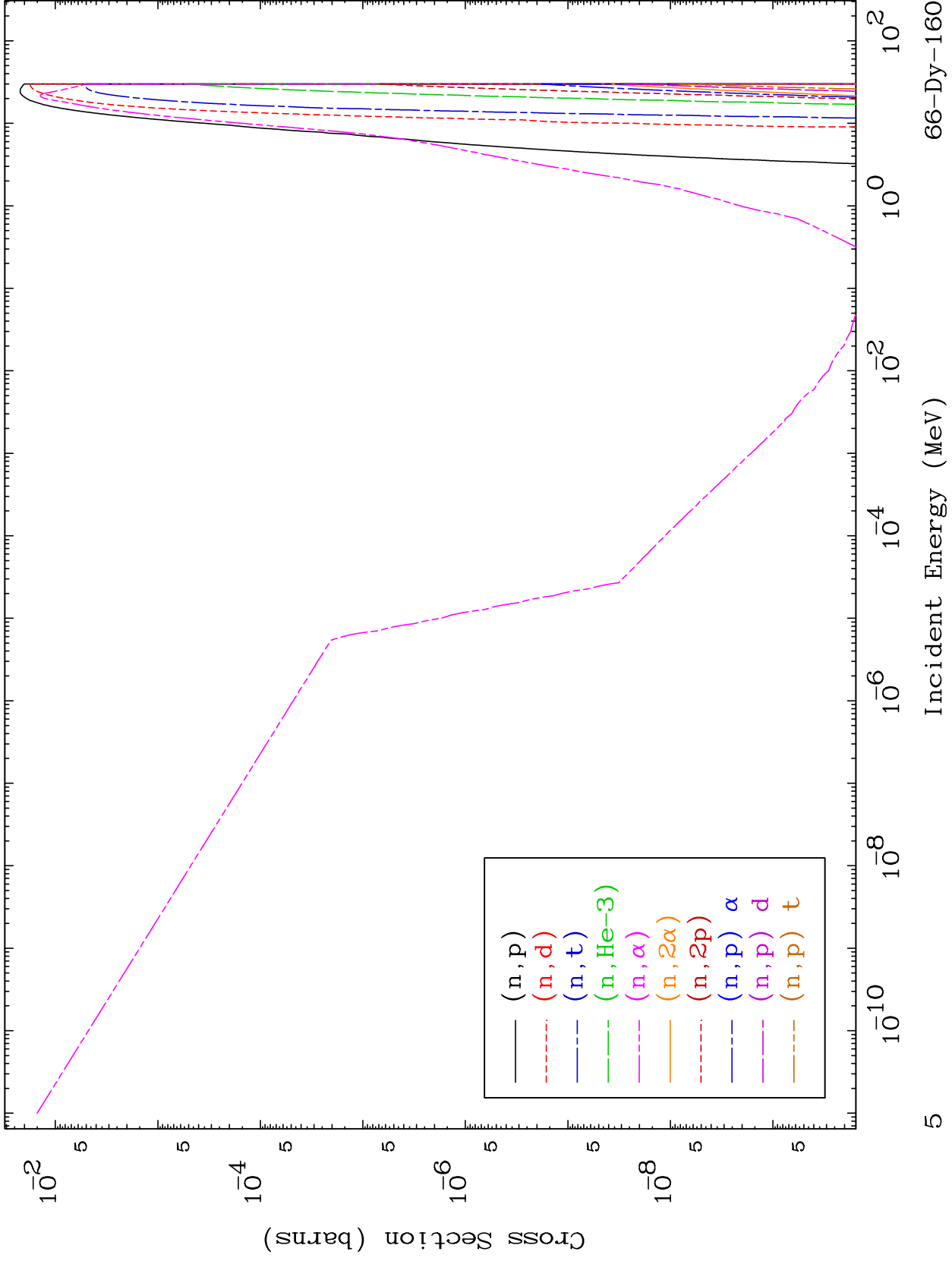
66-Dy-160



MAT 6637

Charged Particle
293 Kelvin Cross Sections

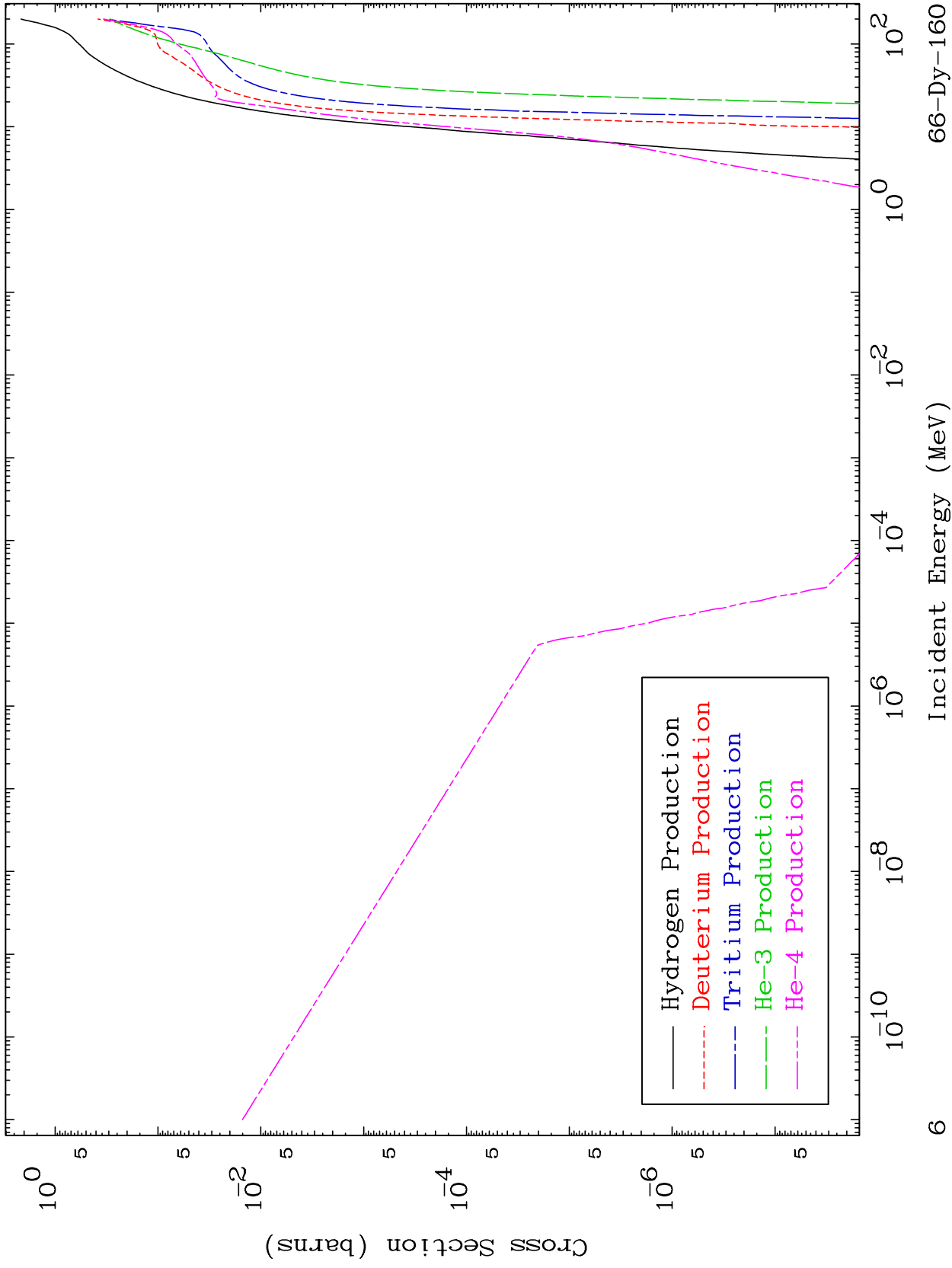
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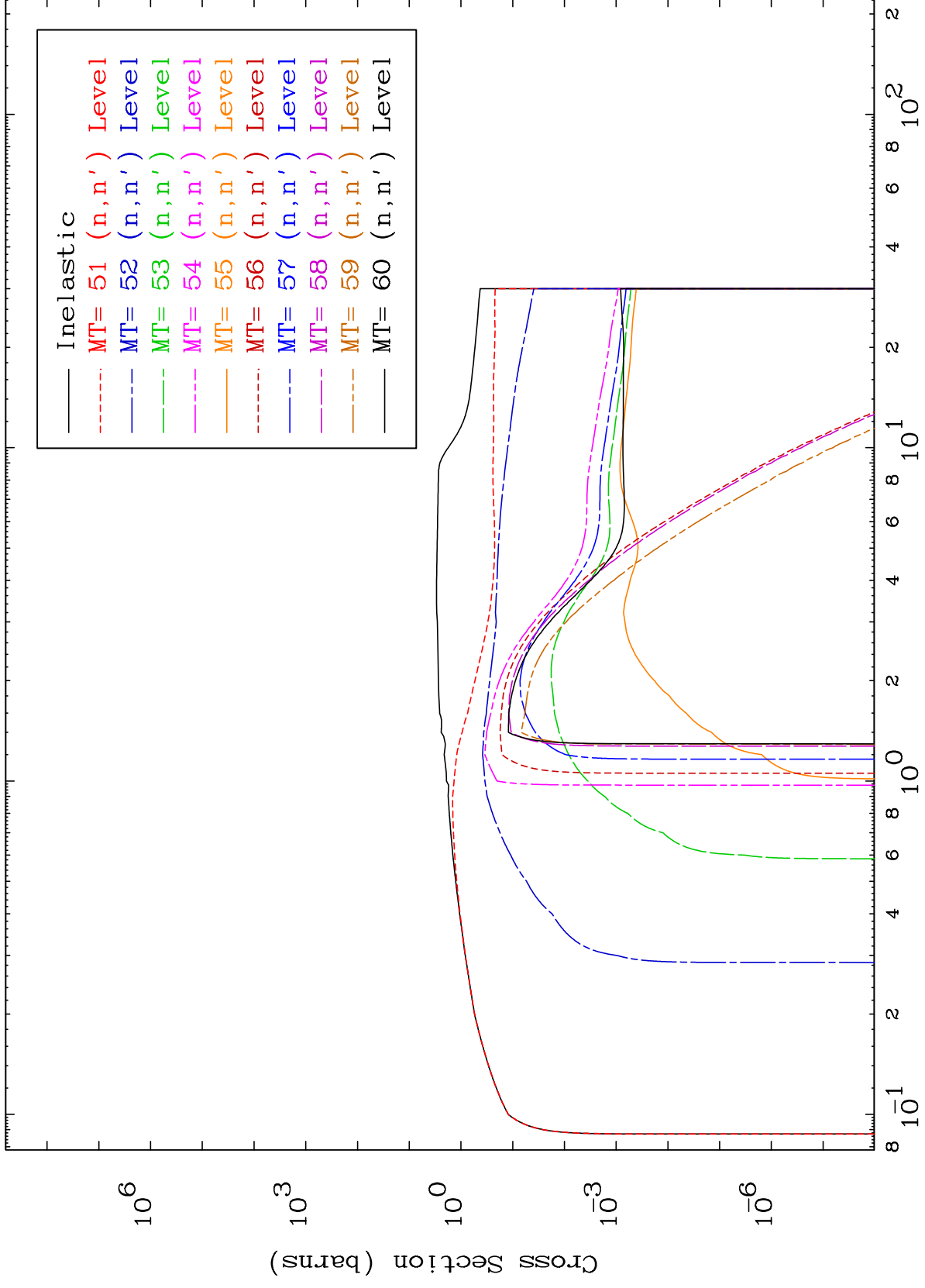
MAT 6637

Particle Production
293 Kelvin Cross Sections

66-Dy-160



293 Kelvin Cross Sections



MAT 6637

(n,n') Level

66-Dy-160

293 Kelvin Cross Sections

10^6

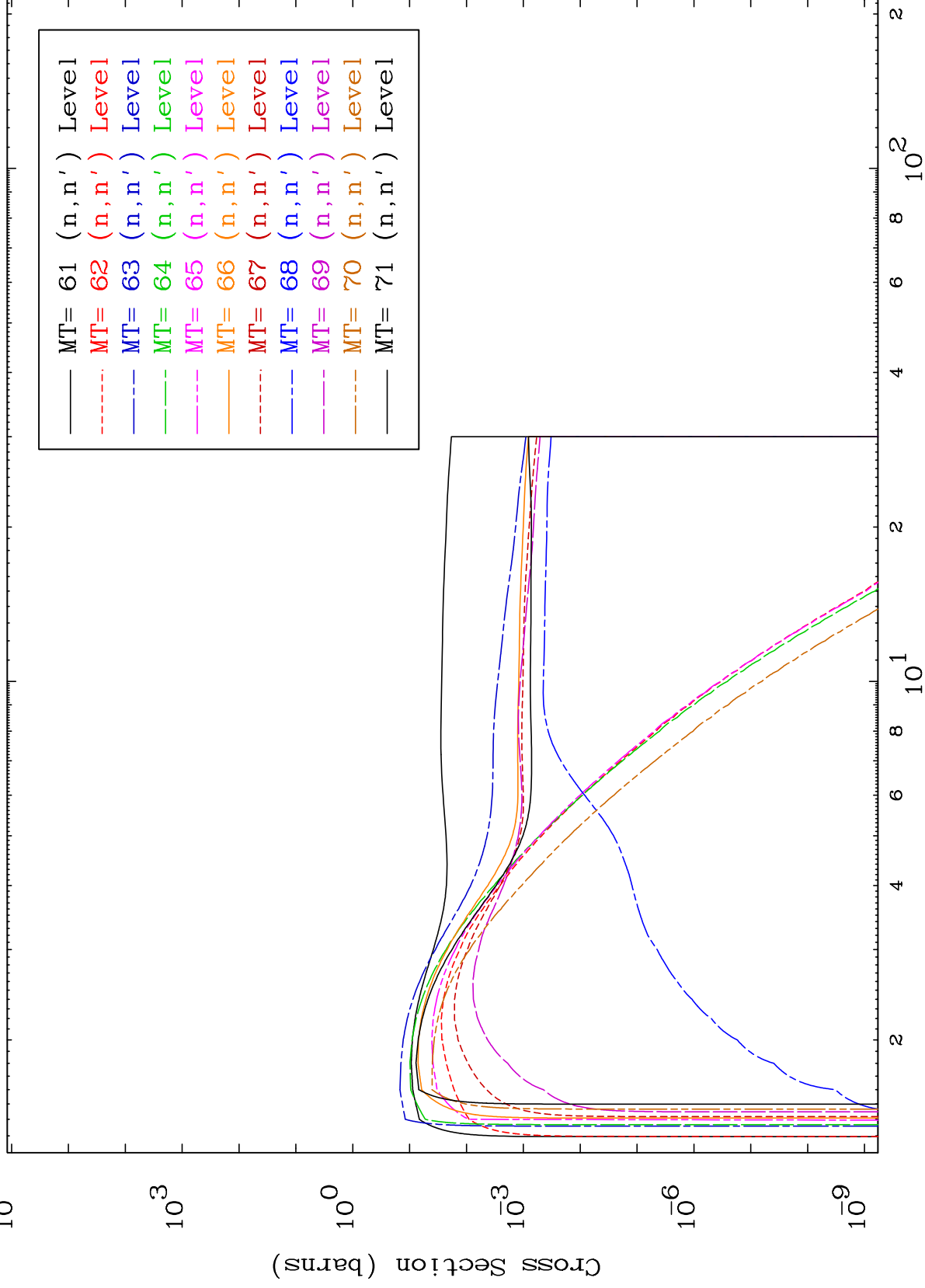
10^3

10^0

10^{-3}

10^{-6}

10^{-9}



8

Incident Energy (MeV)

66-Dy-160

10^2

8

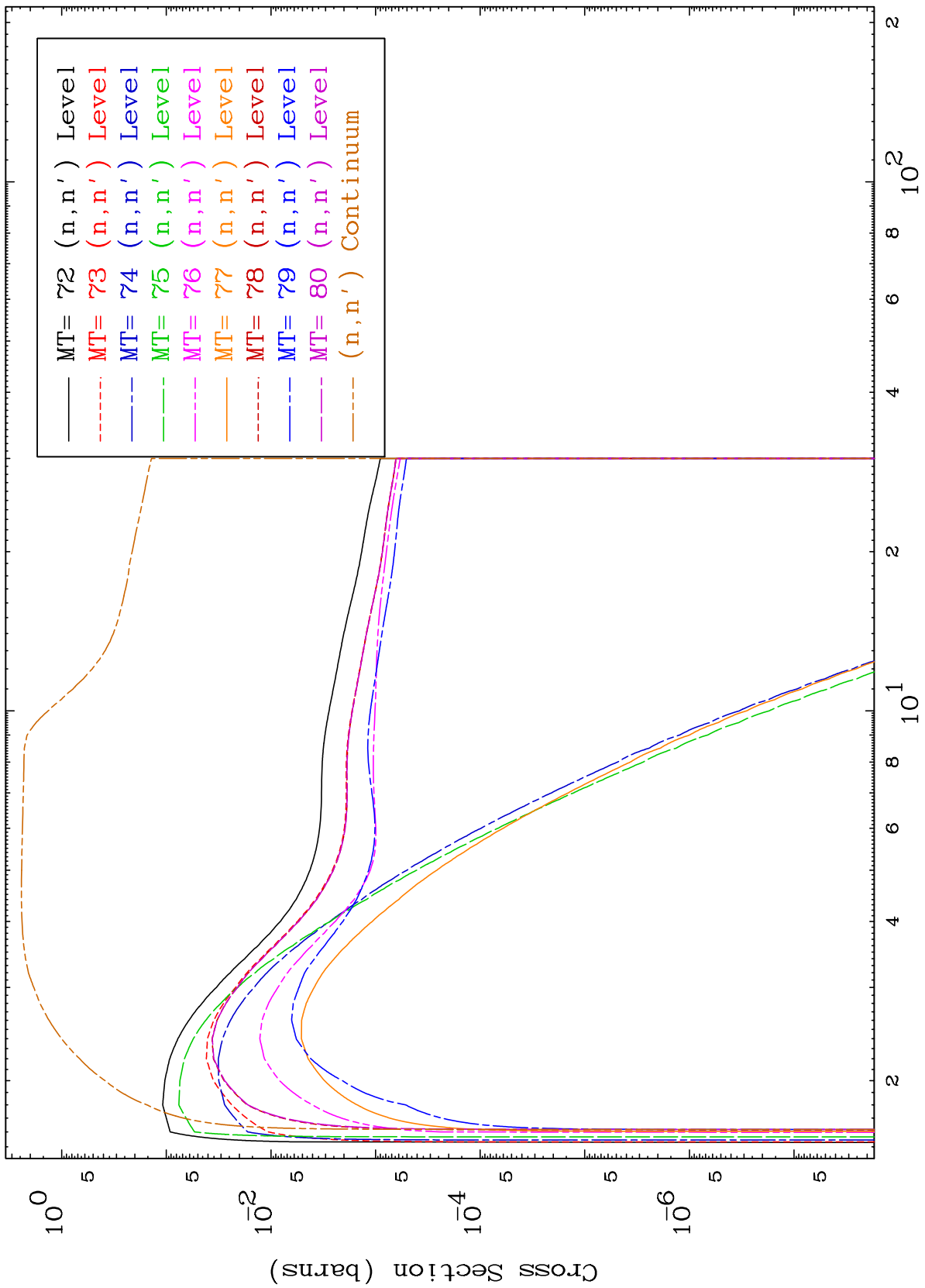
2

MAT 6637

(n,n') Level

66-Dy-160

293 Kelvin Cross Sections



9

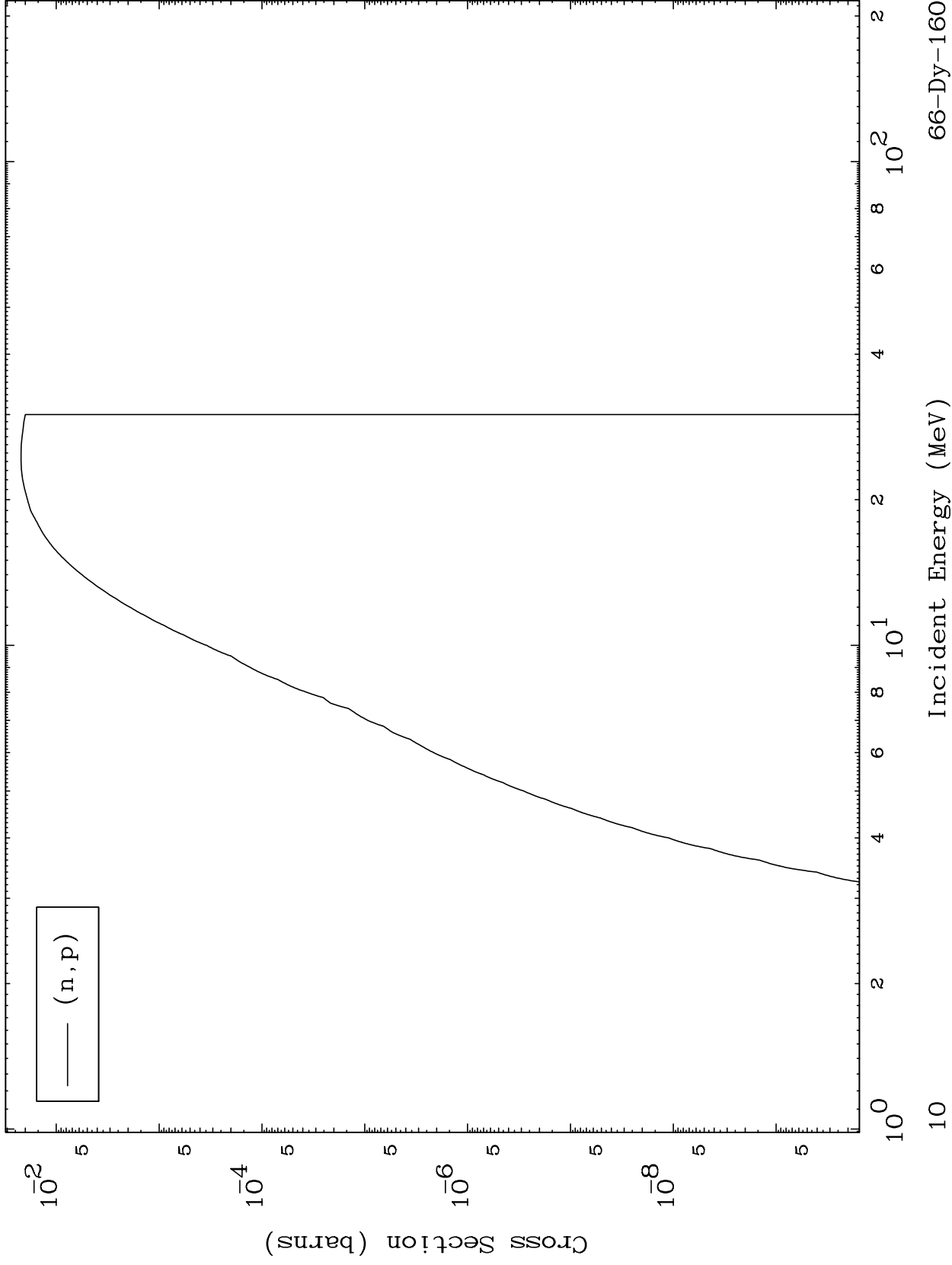
Incident Energy (MeV)

66-Dy-160

MAT 6637

(n,p) Levels
293 Kelvin Cross Sections

66-Dy-160

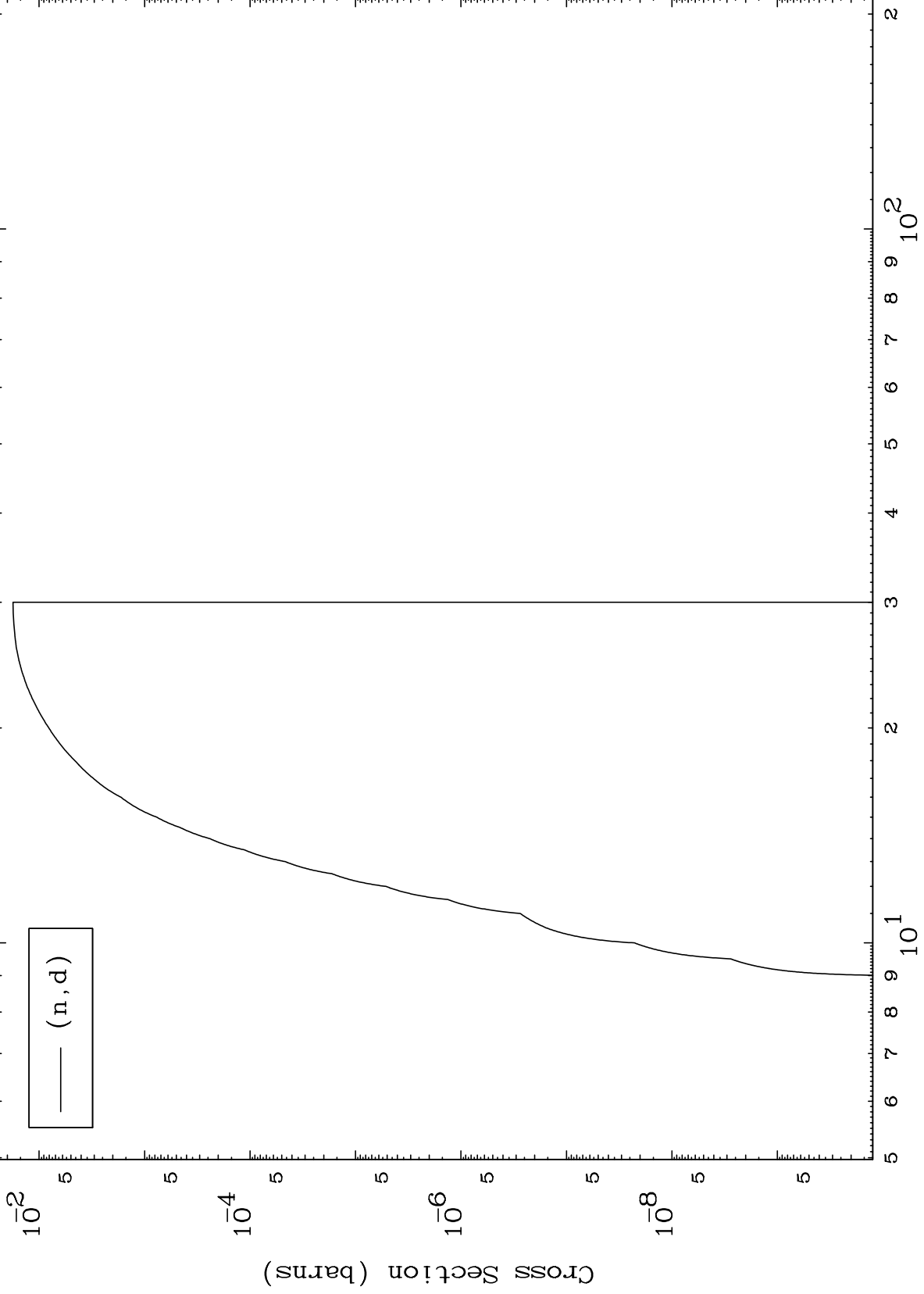


66-Dy-160

MAT 6637

(n,d) Levels
293 Kelvin Cross Sections

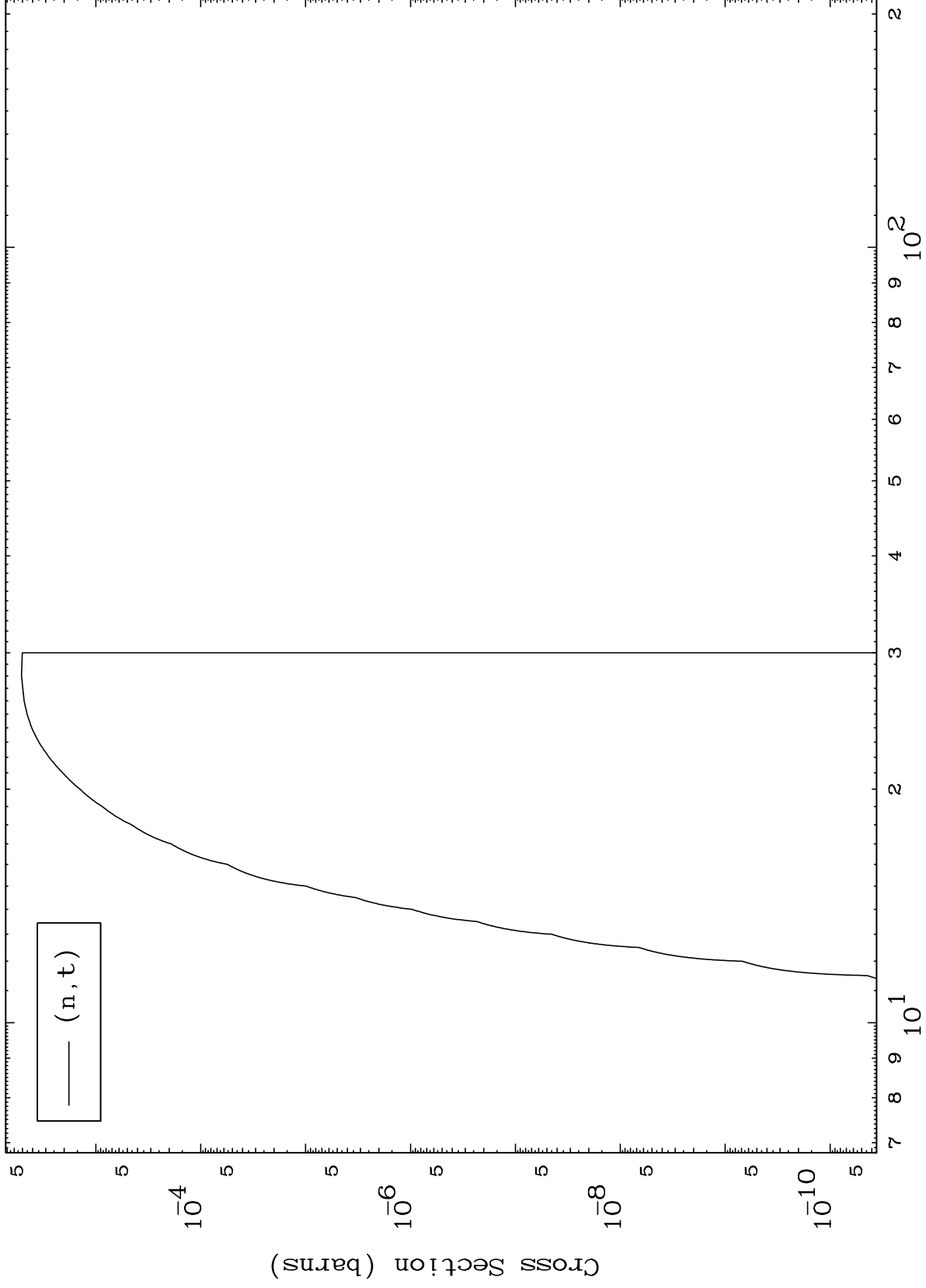
66-Dy-160



MAT 6637

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-160



12

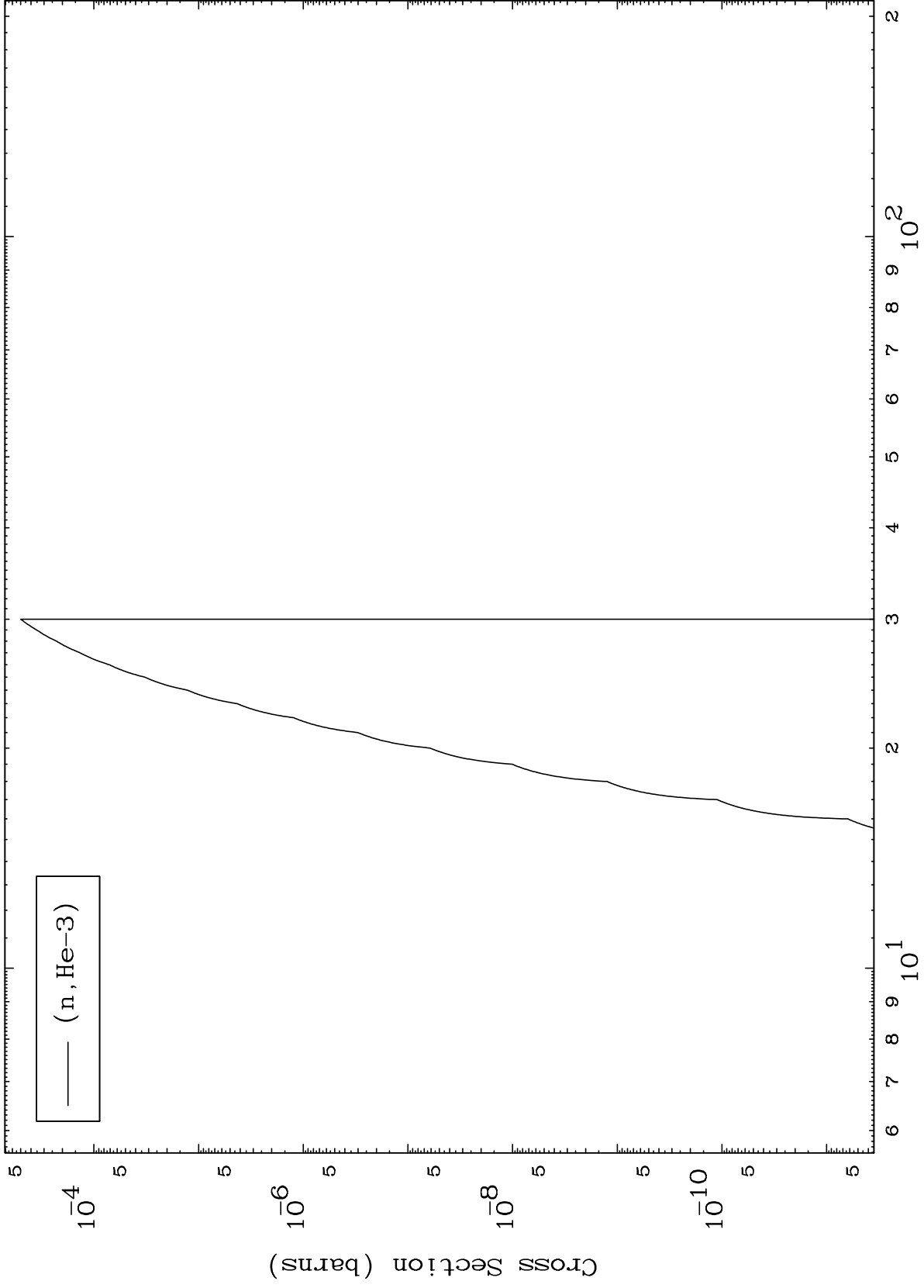
Incident Energy (MeV)

66-Dy-160

MAT 6637

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-160



13

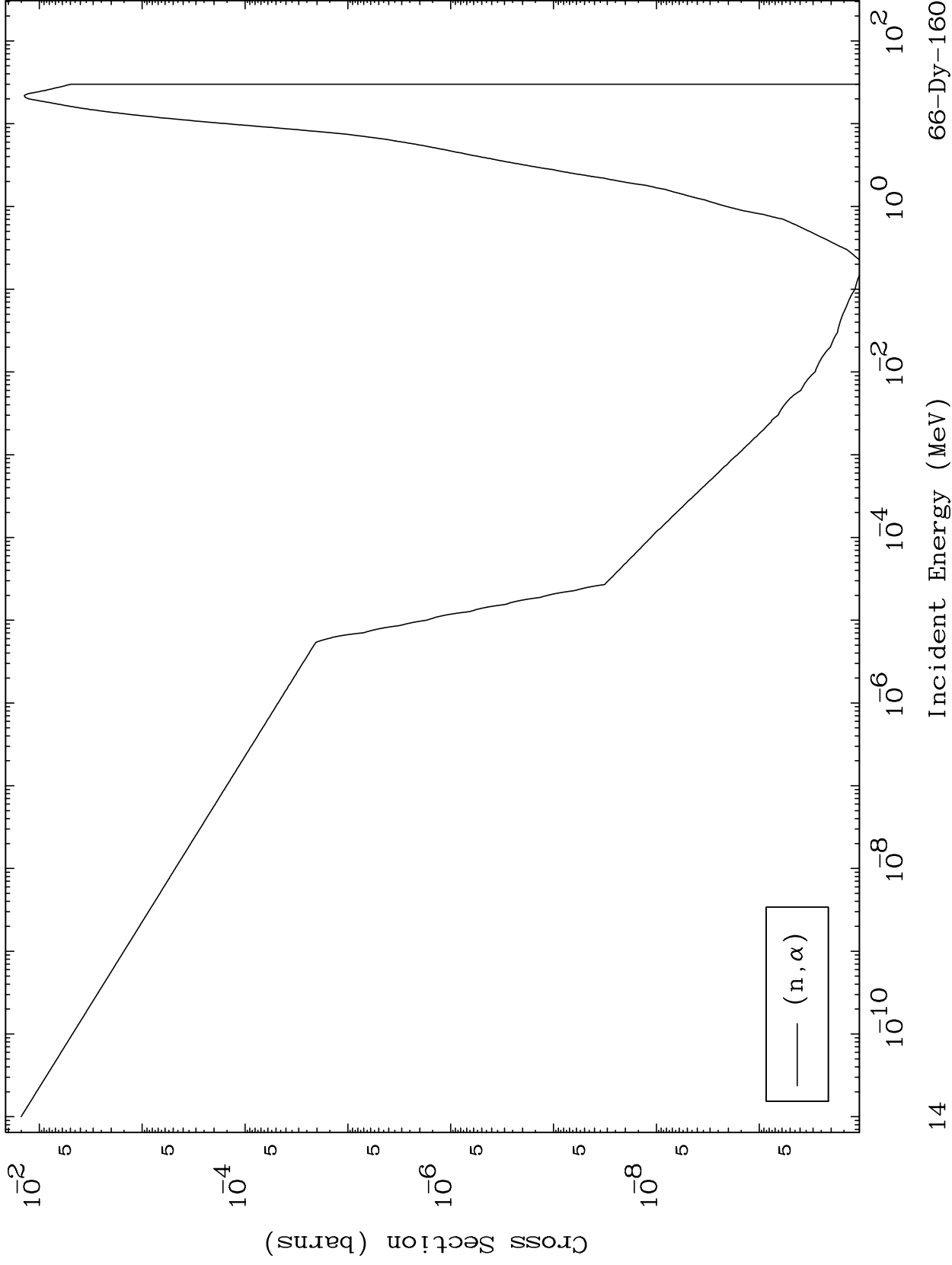
Incident Energy (MeV)

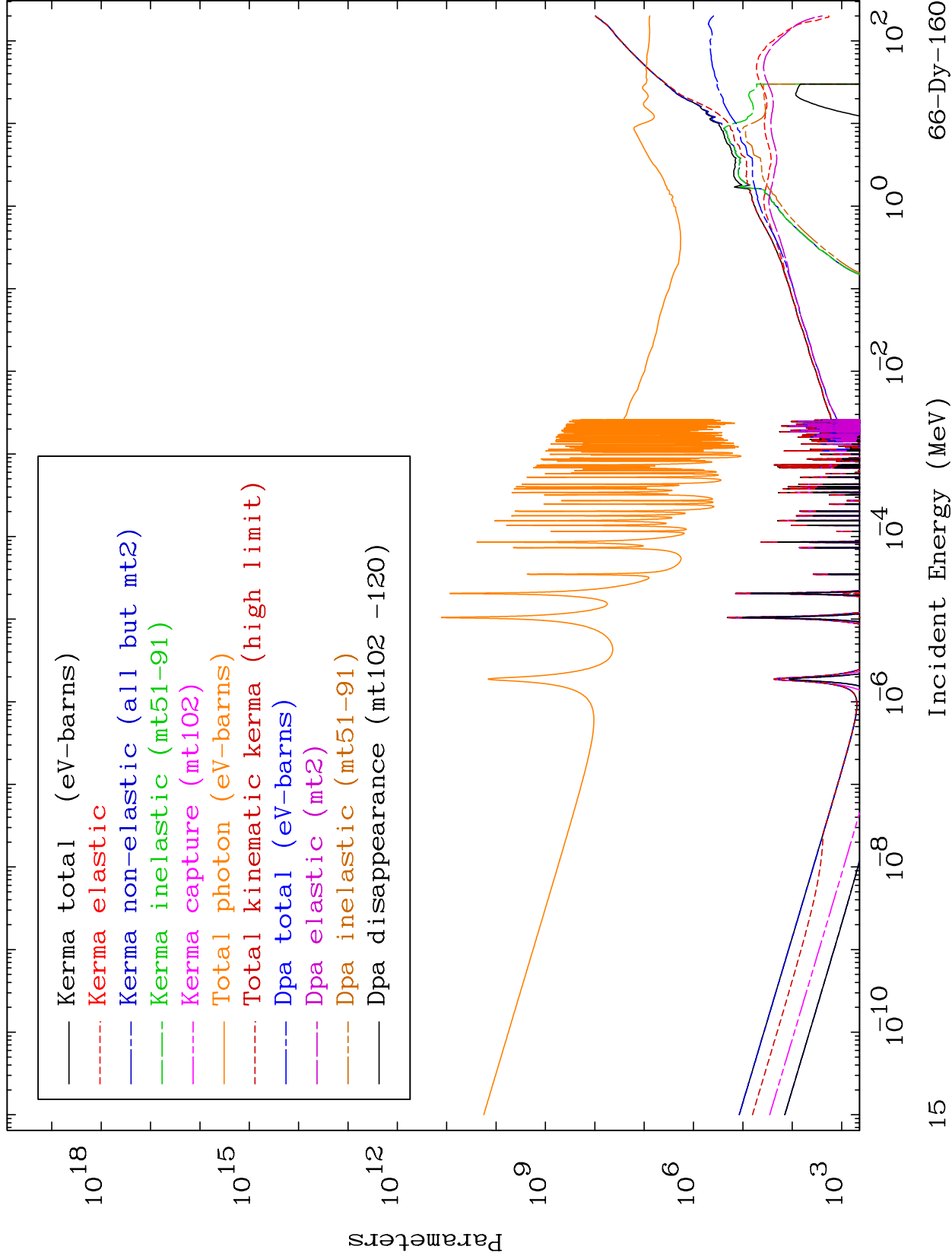
66-Dy-160

MAT 6637

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-160

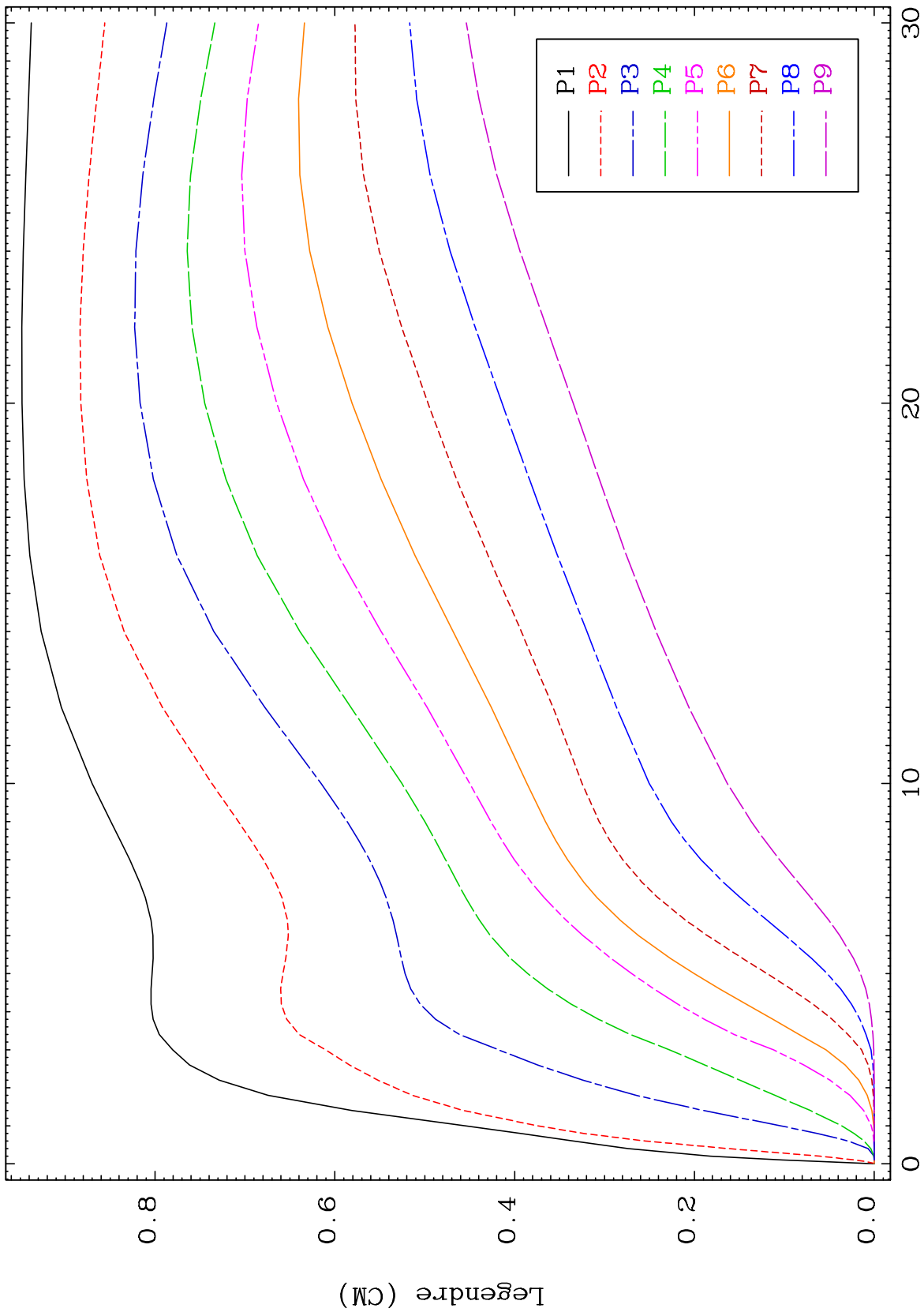




MAT 6637

Elastic Legendre Coefficients

66-Dy-160



Incident Energy (MeV)

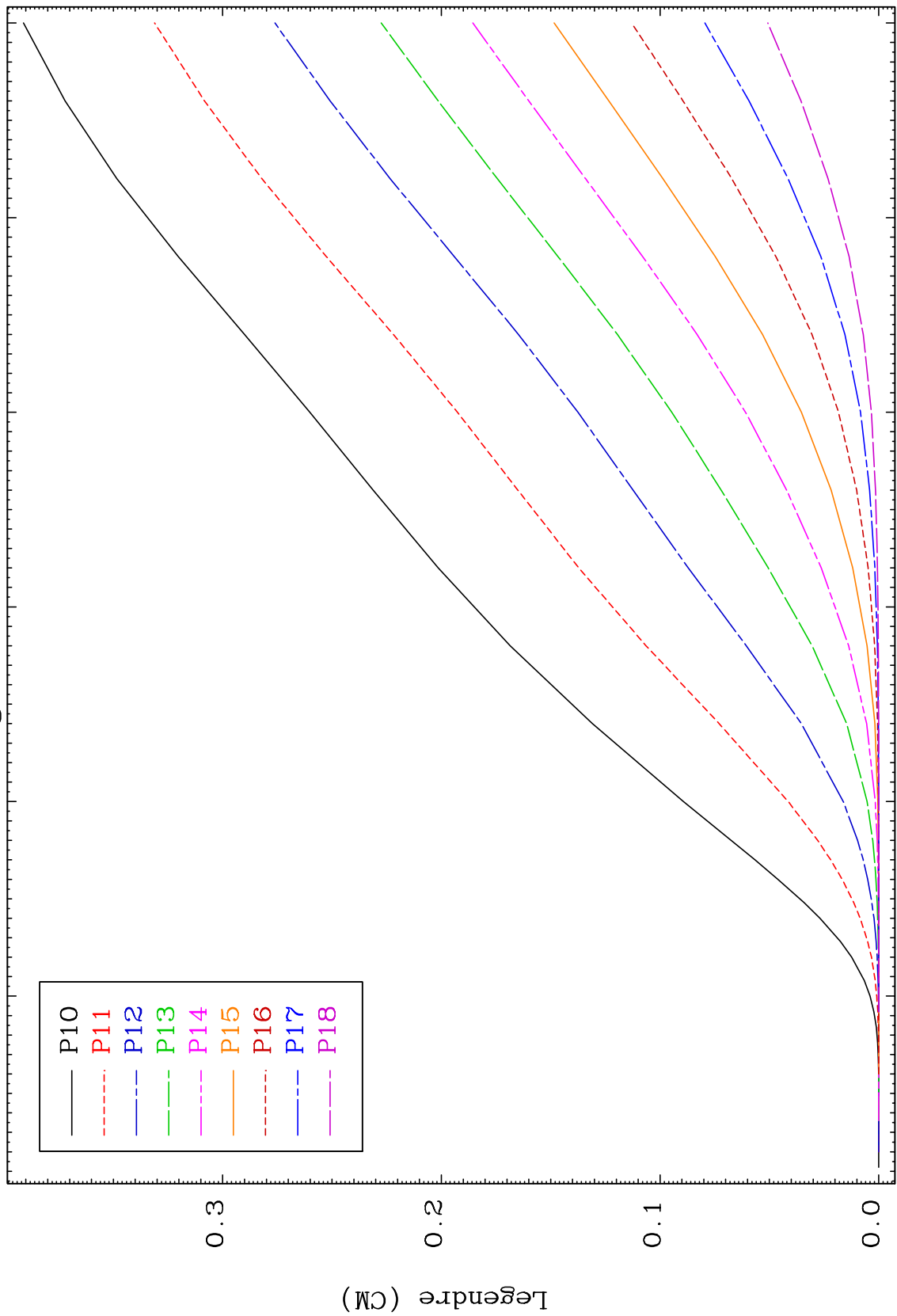
66-Dy-160

16

MAT 6637

Elastic Legendre Coefficients

66-Dy-160



17

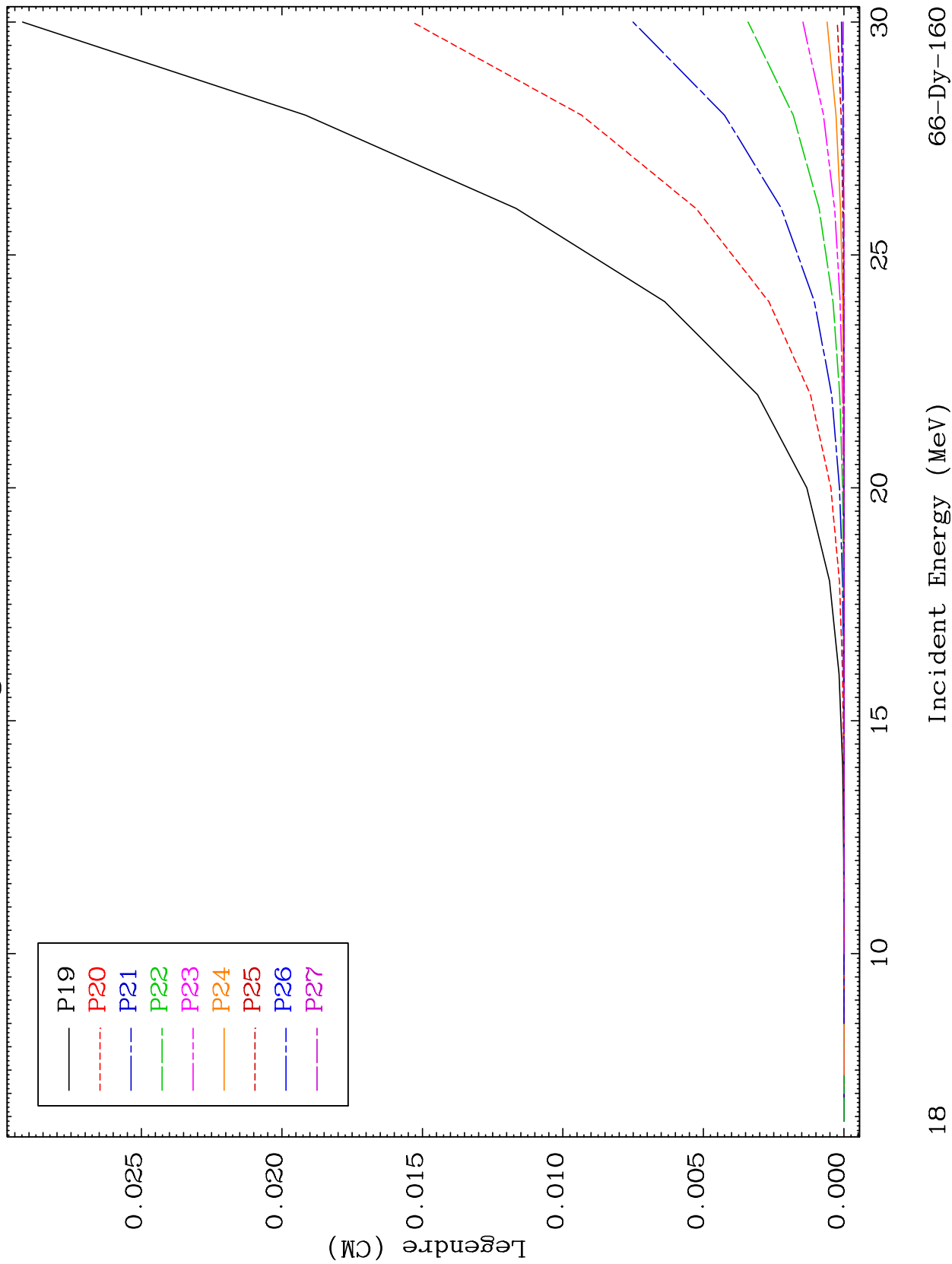
Incident Energy (MeV)

66-Dy-160

MAT 6637

Elastic Legendre Coefficients

66-Dy-160



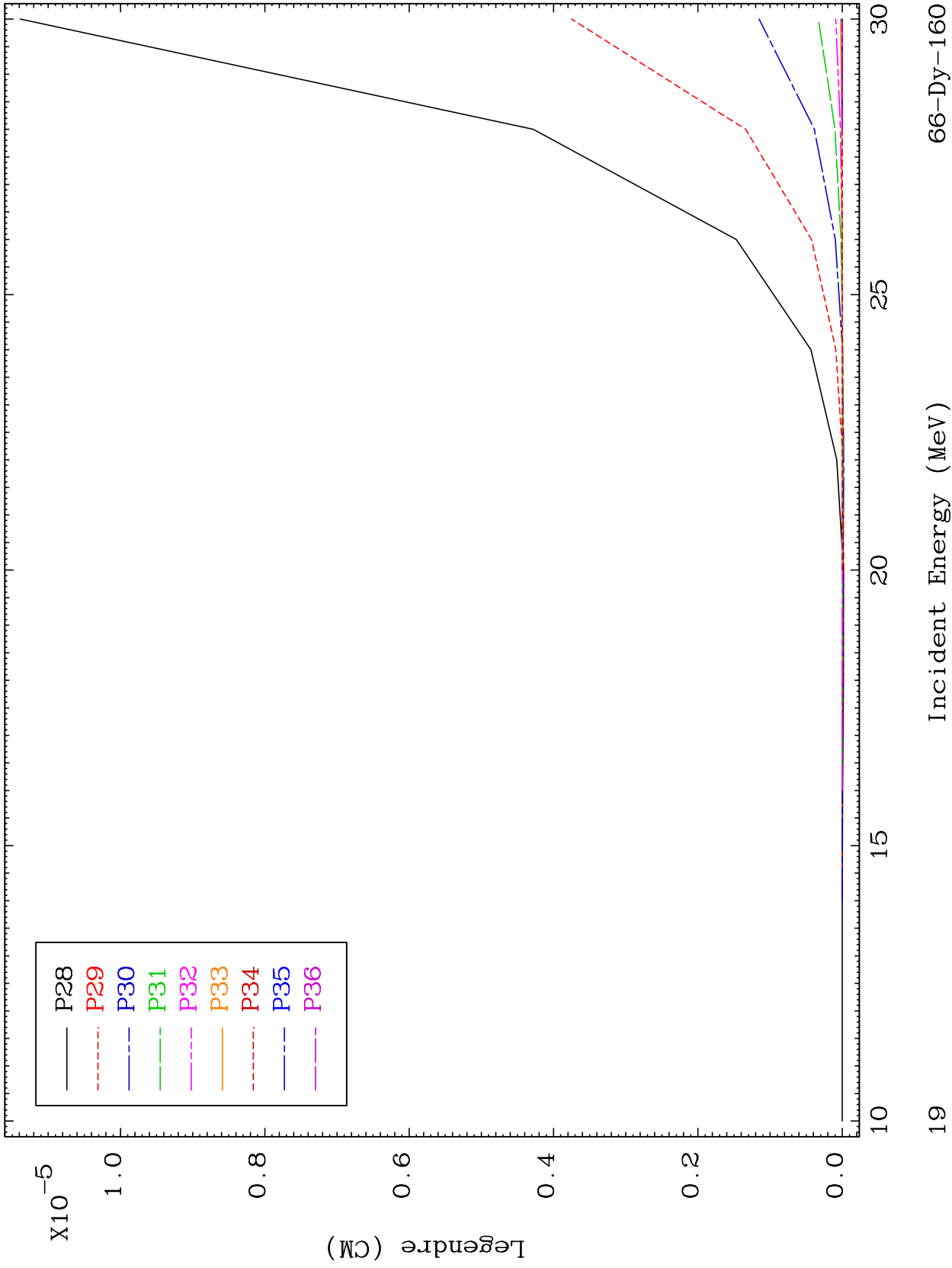
18

66-Dy-160

MAT 6637

Elastic Legendre Coefficients

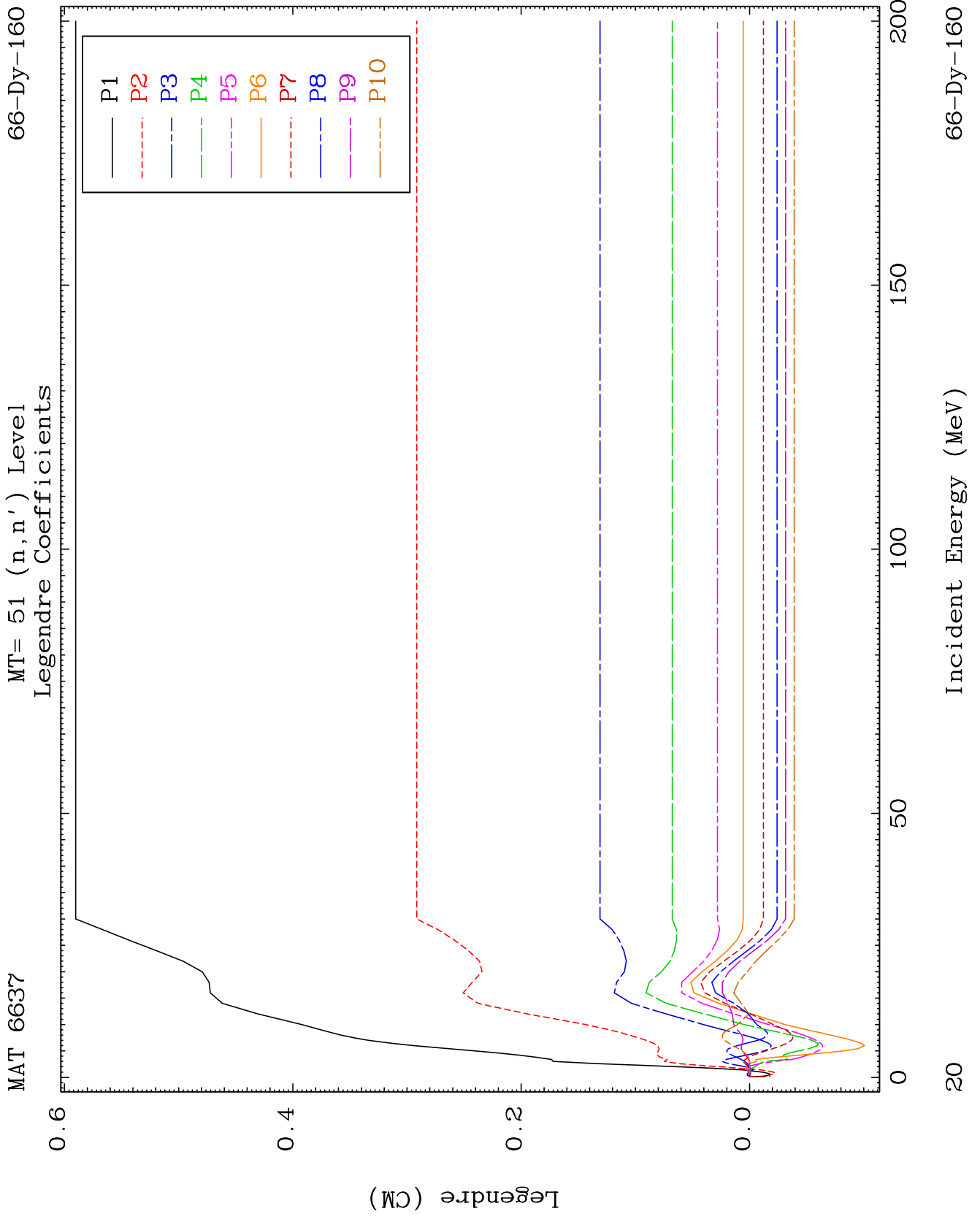
66-Dy-160



19

Incident Energy (MeV)

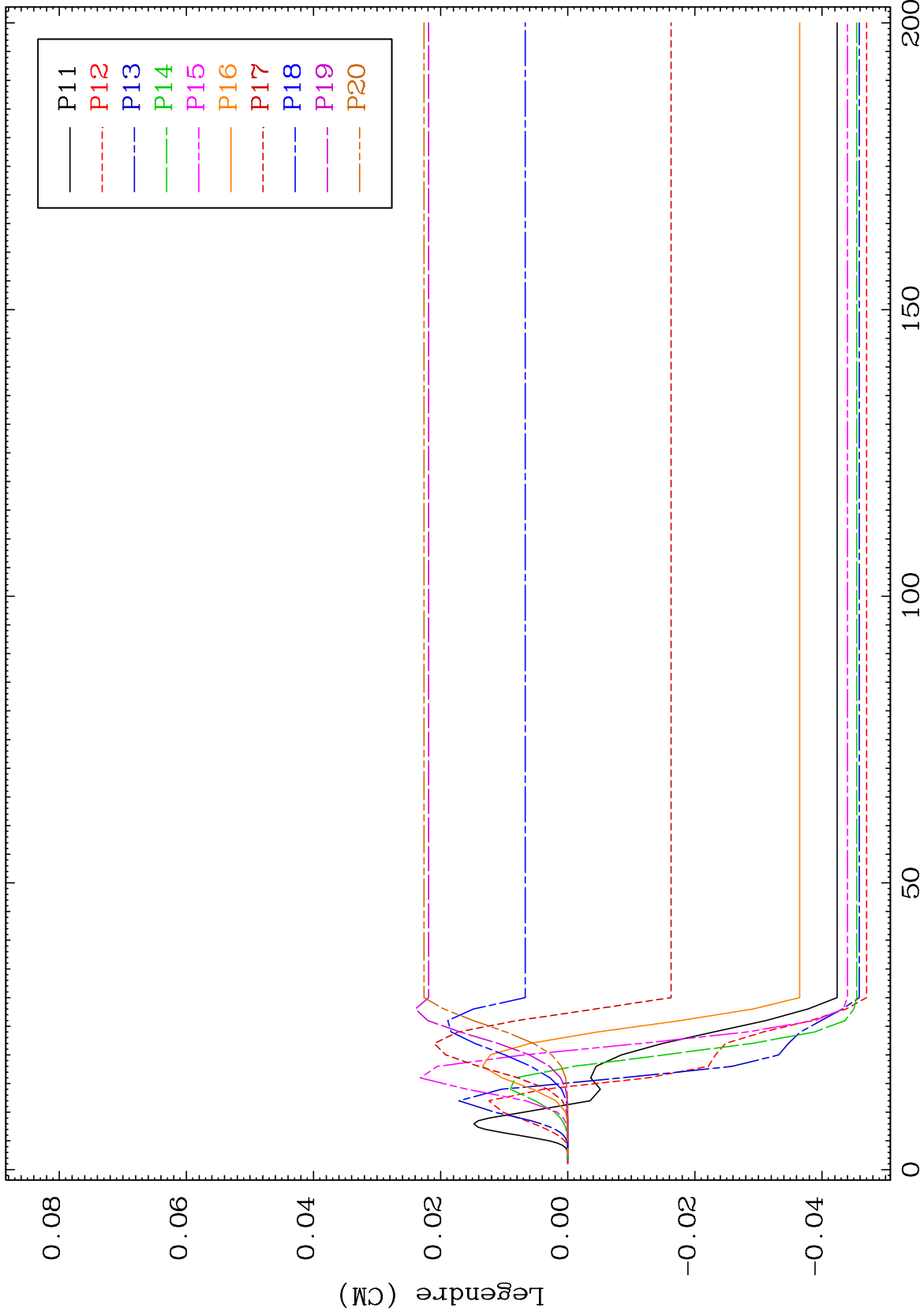
66-Dy-160



MAT 6637

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

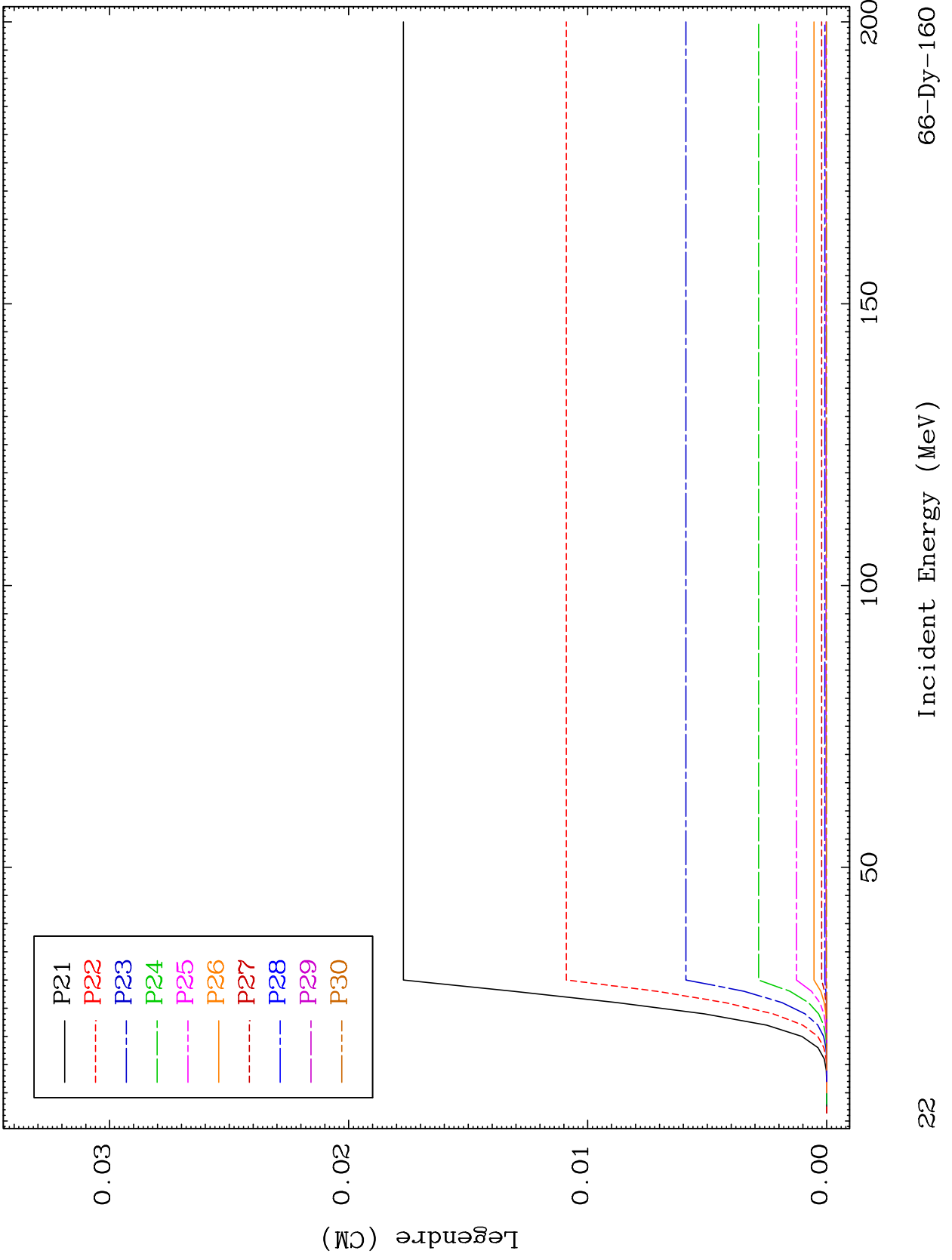
66-Dy-160



MAT 6637

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

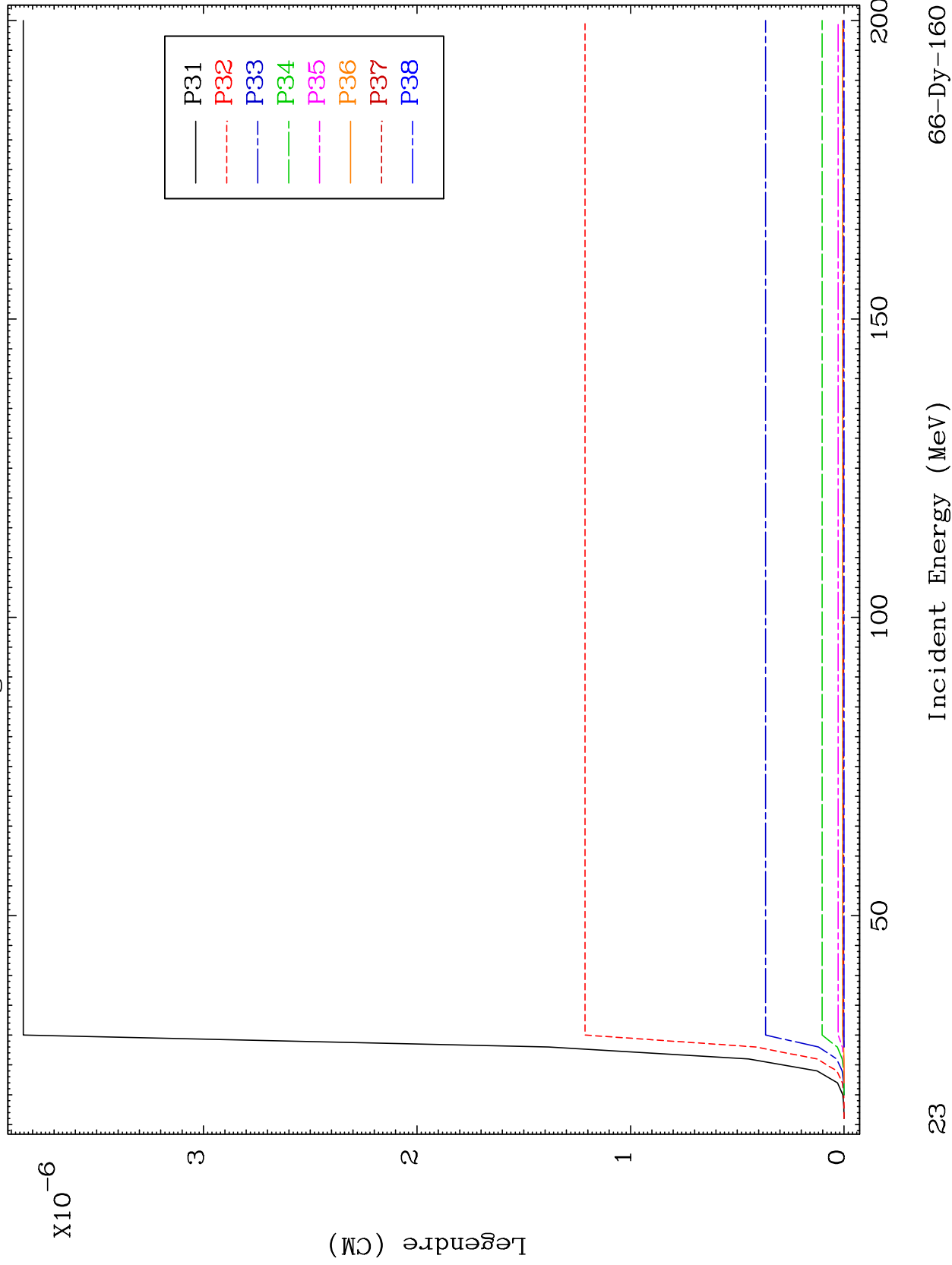
66-Dy-160



MAT 6637

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

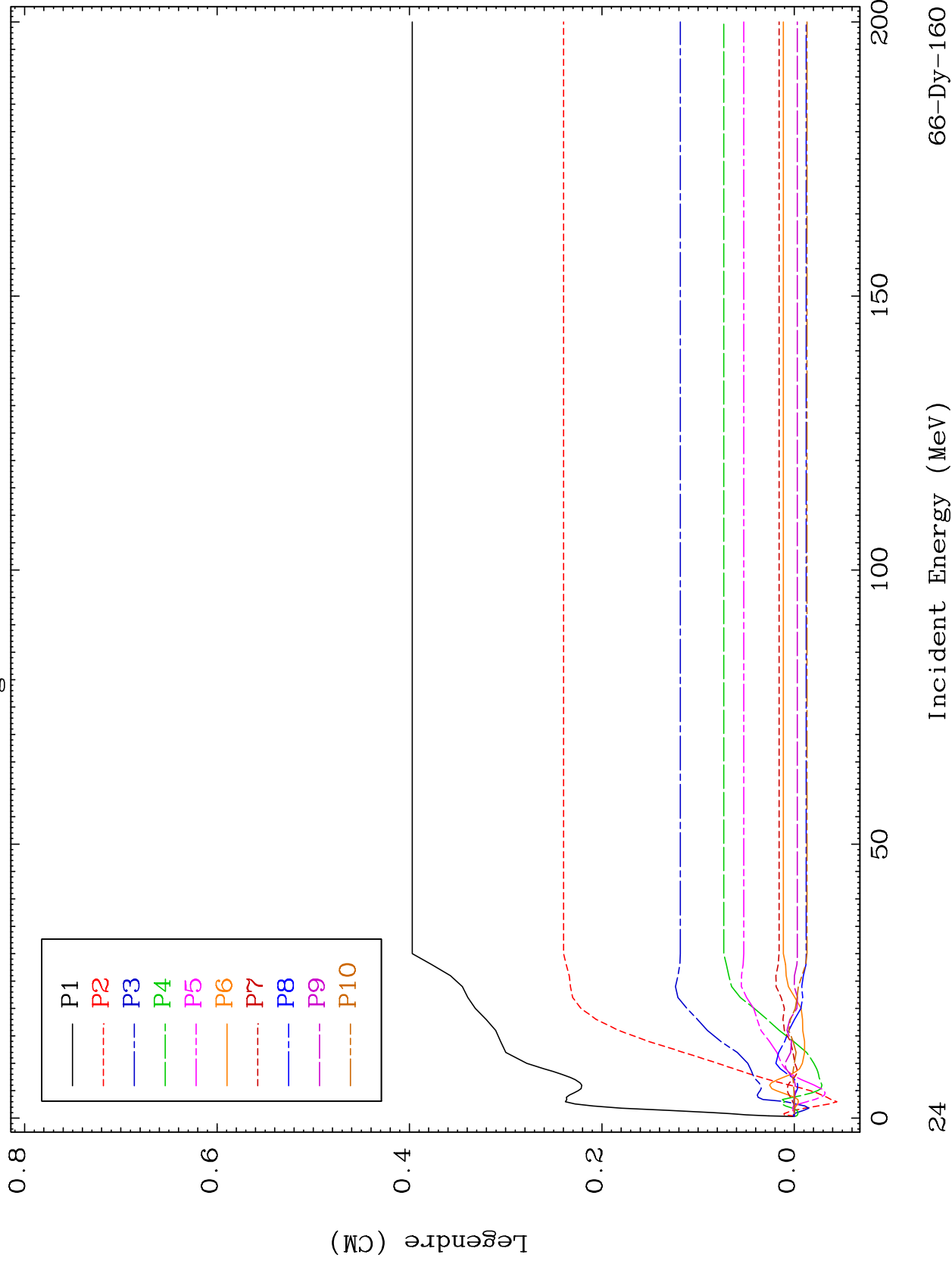
66-Dy-160



MAT 6637

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

66-Dy-160



24

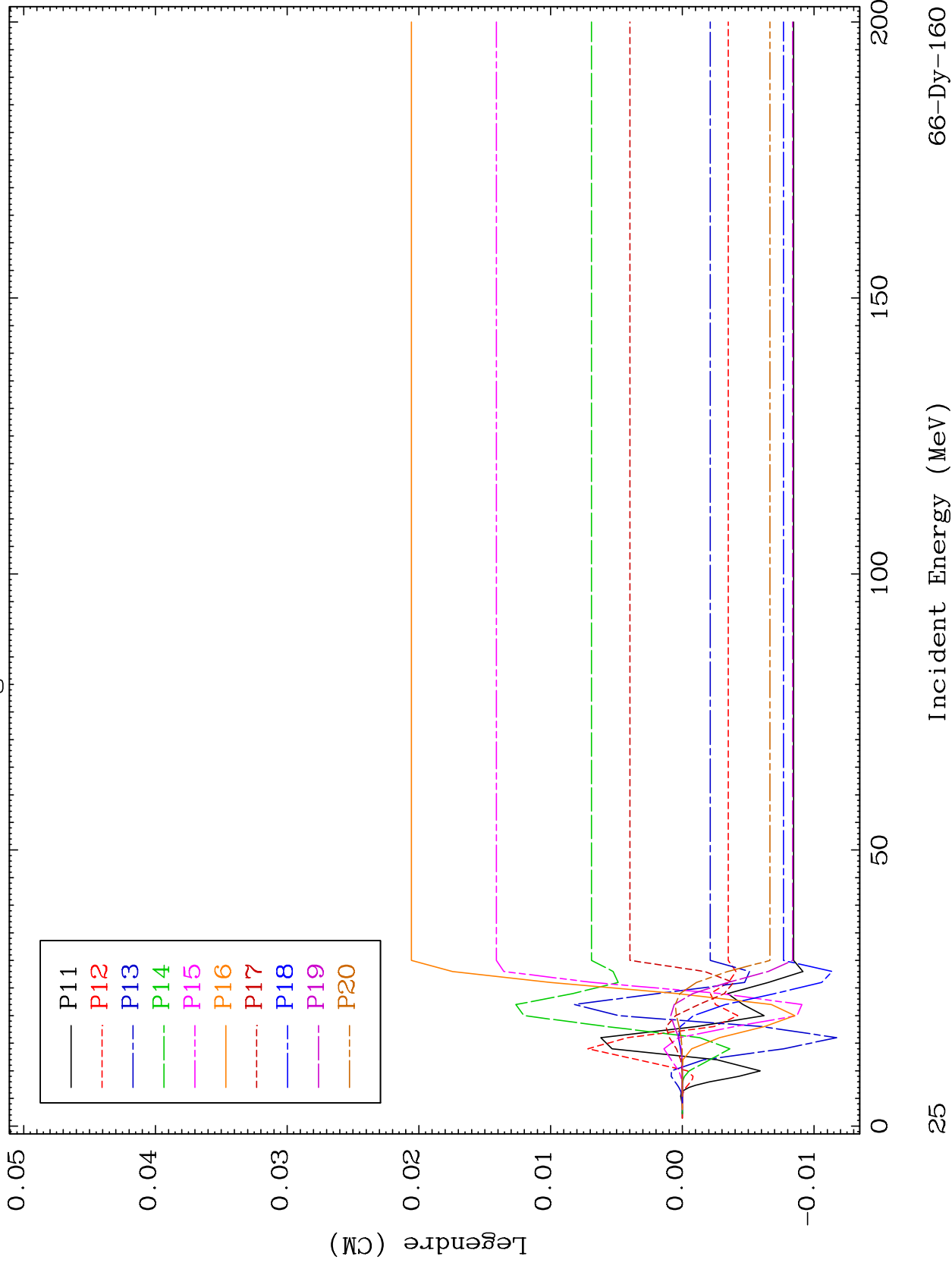
Incident Energy (MeV)

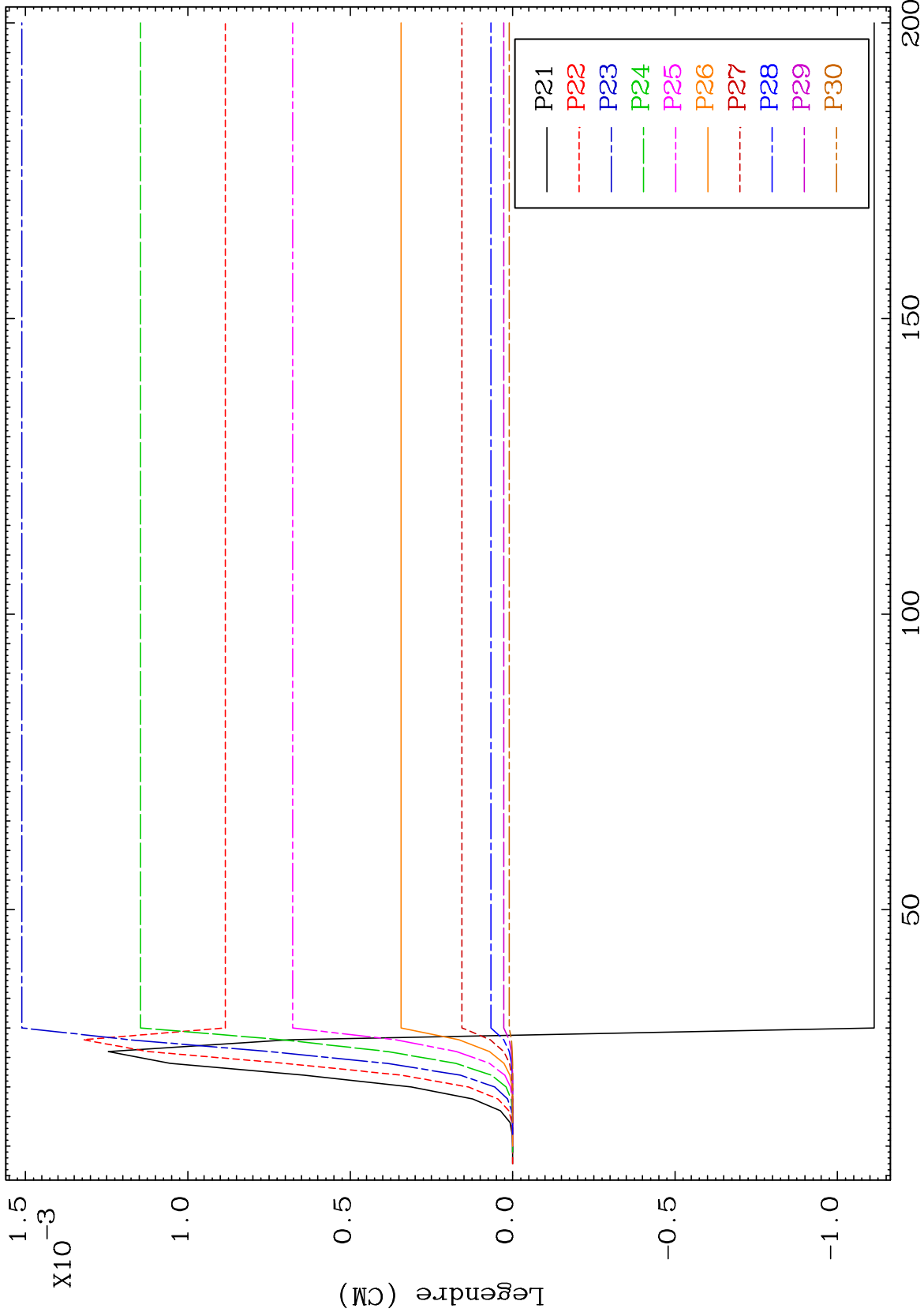
66-Dy-160

MAT 6637

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

66-Dy-160

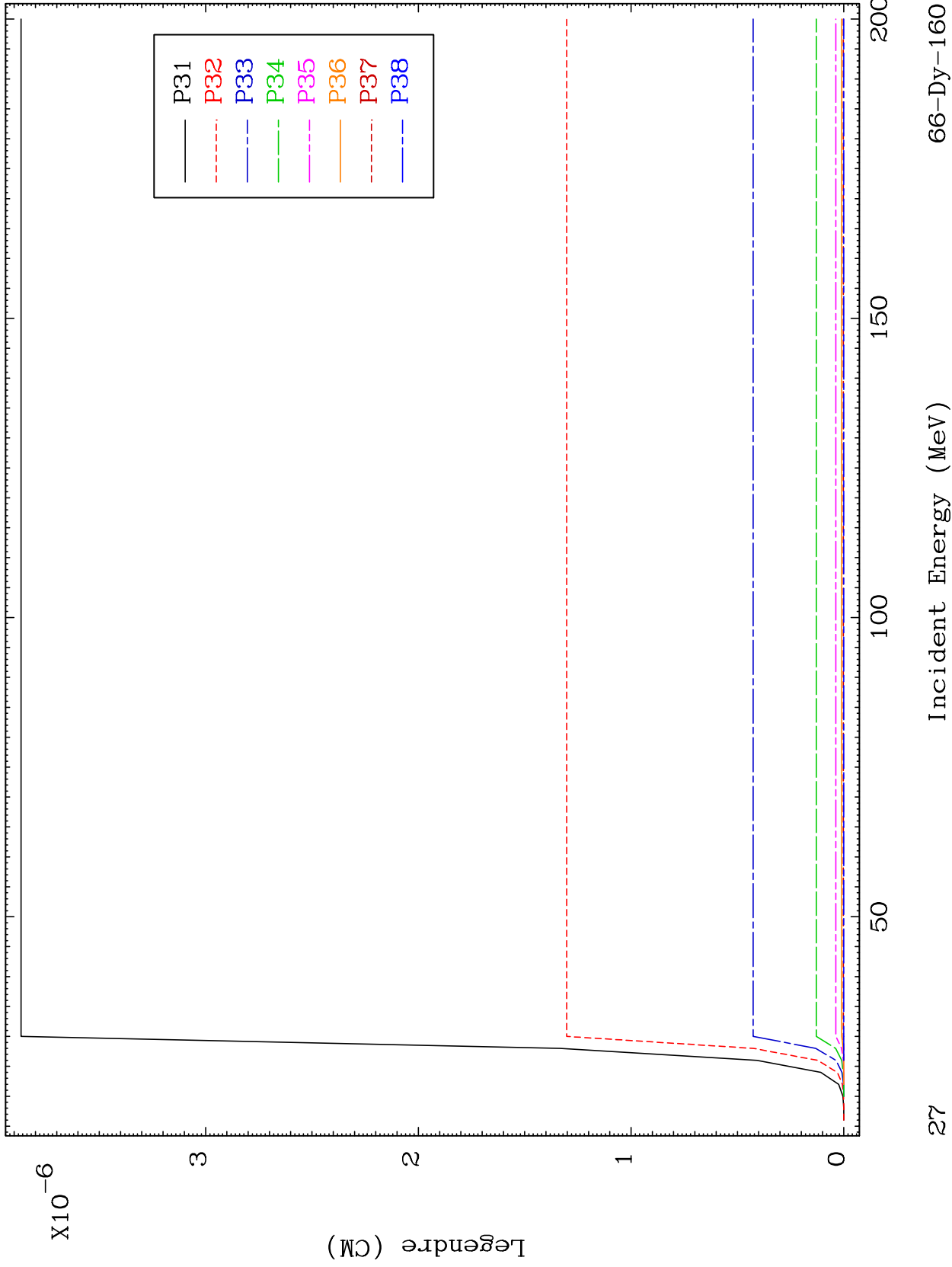




MAT 6637

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

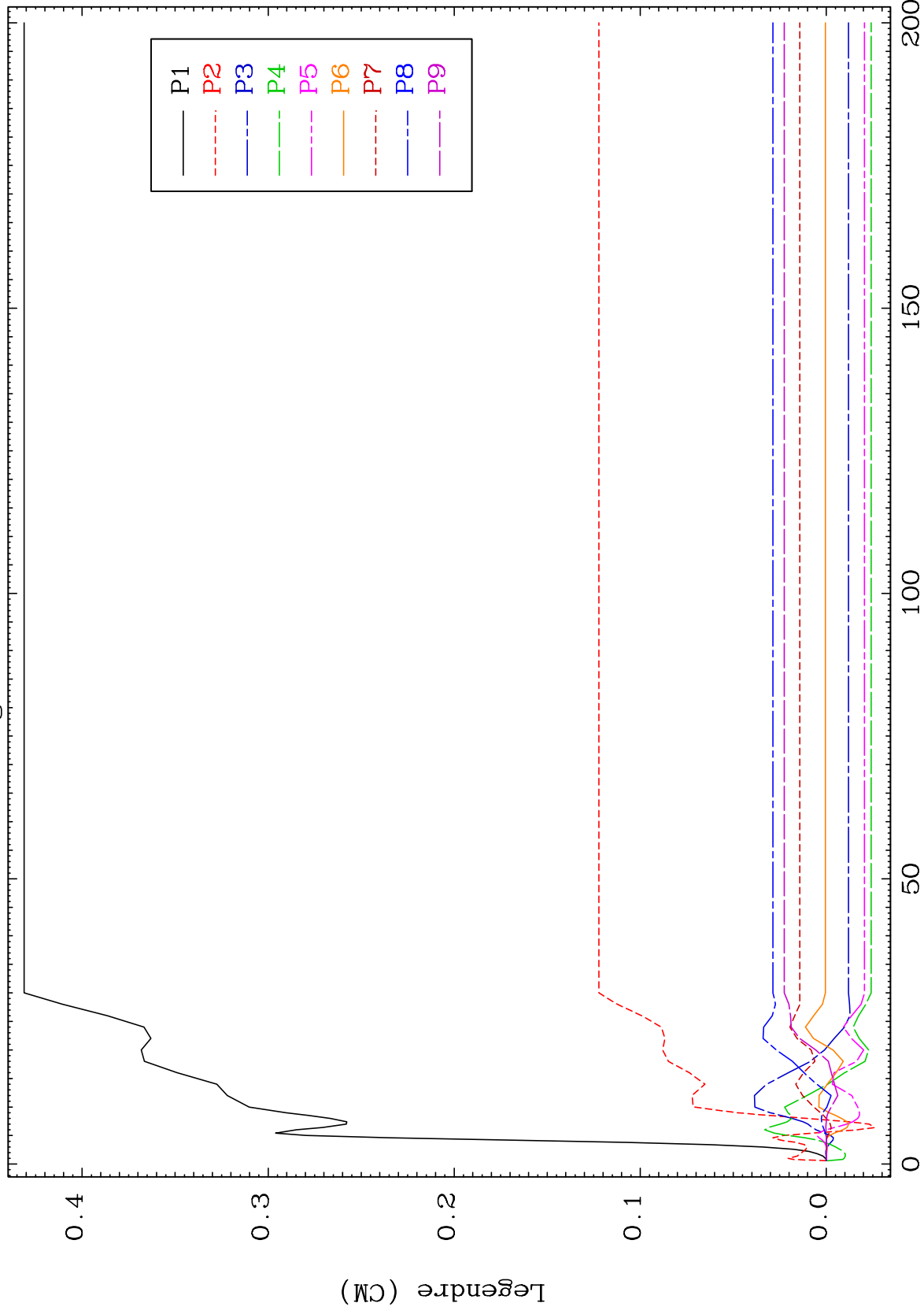
66-Dy-160



MAT 6637

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

66-Dy-160



28

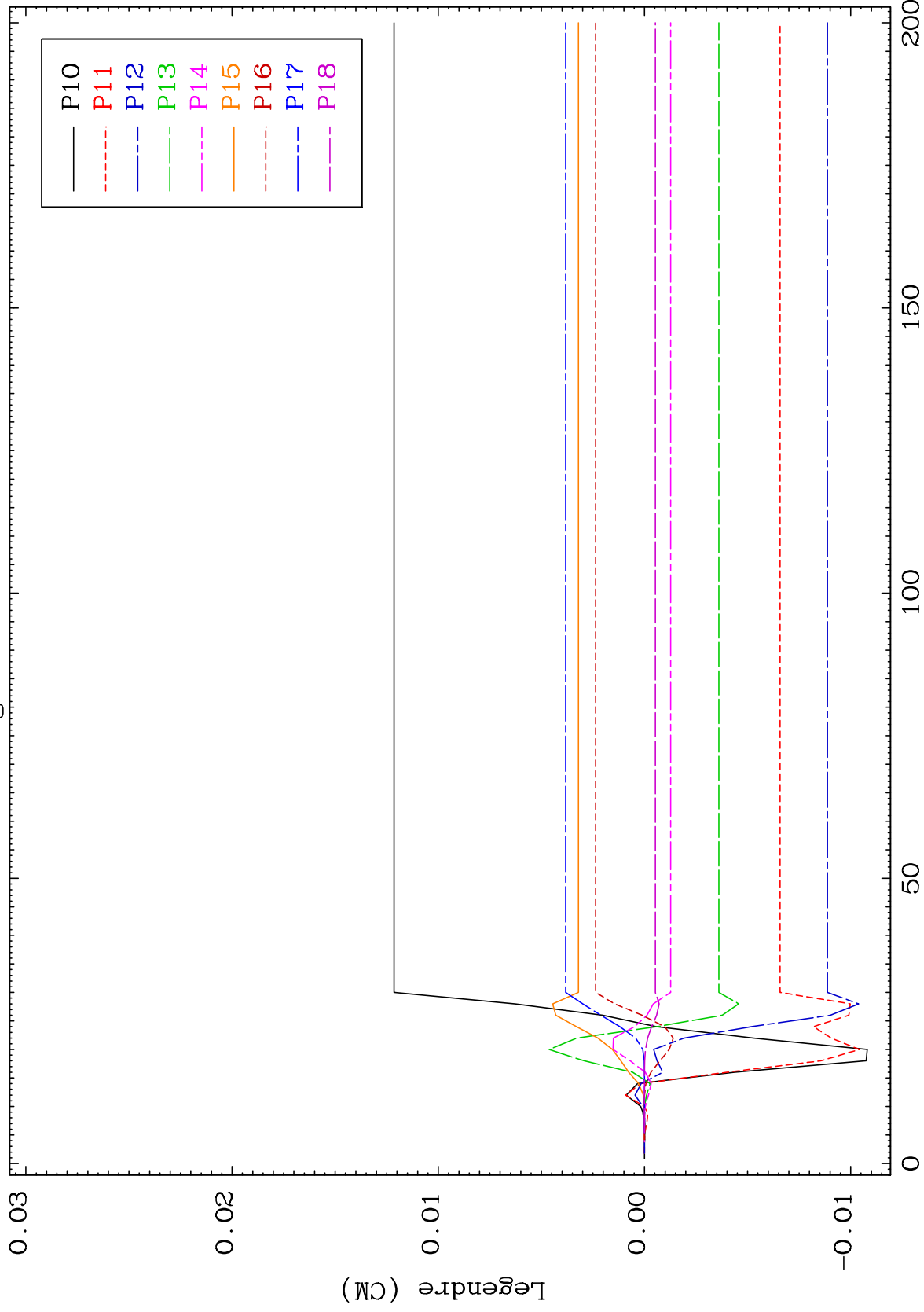
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

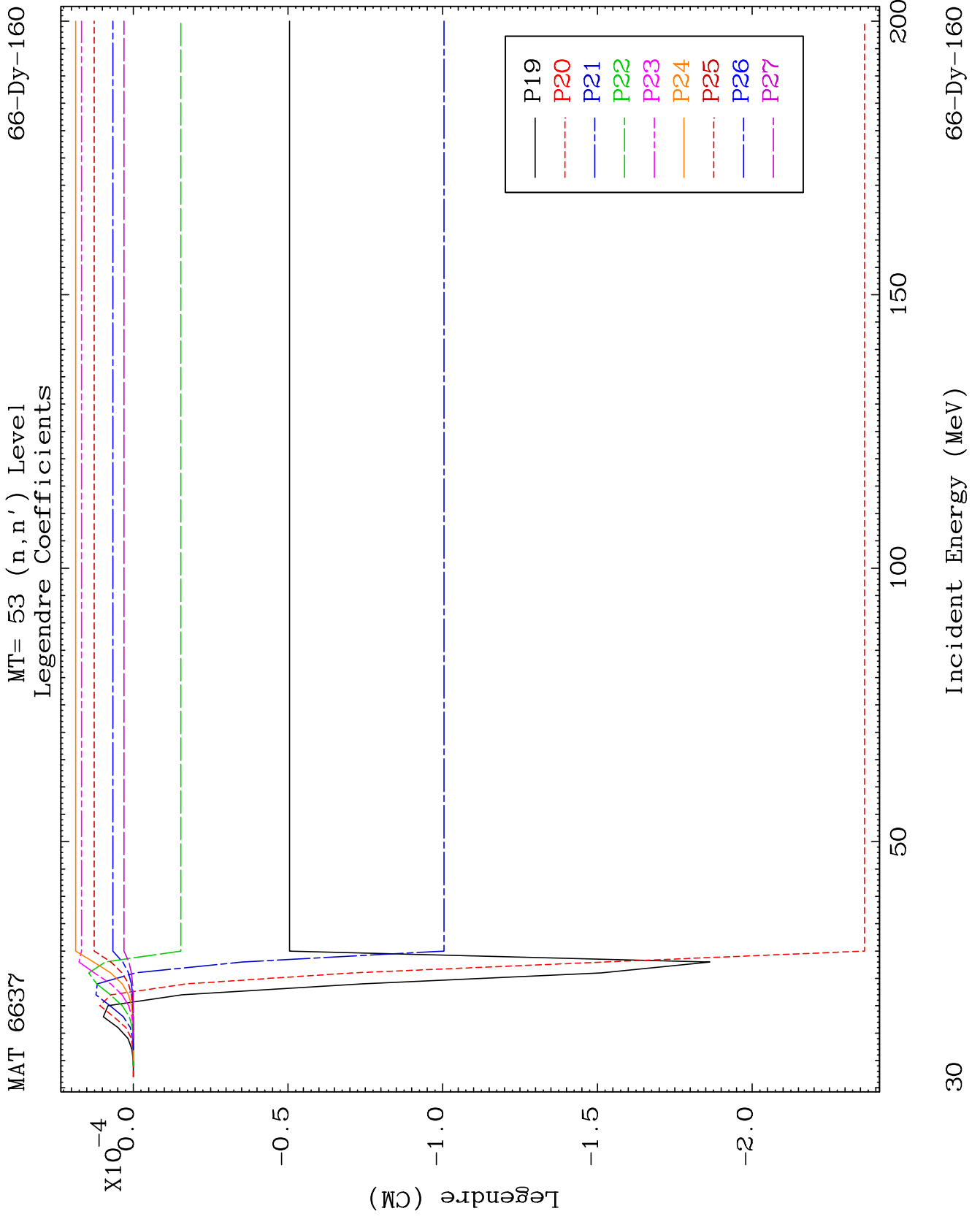
66-Dy-160



29

Incident Energy (MeV)

66-Dy-160

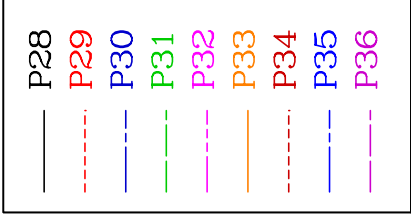


MAT 6637

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

66-Dy-160

$\times 10^{-6}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0



Legendre (CM)

50 100 150 200

31

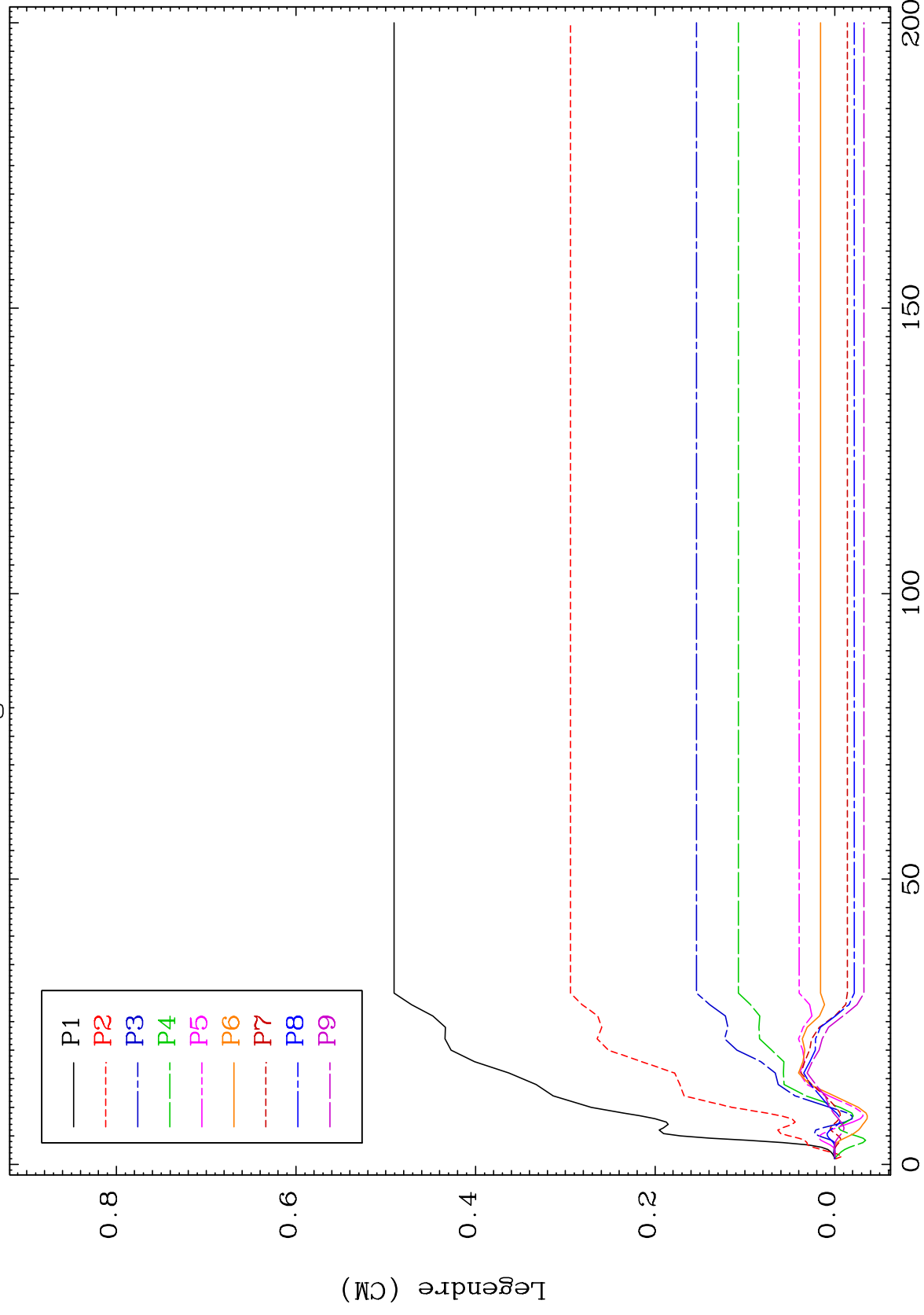
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



32

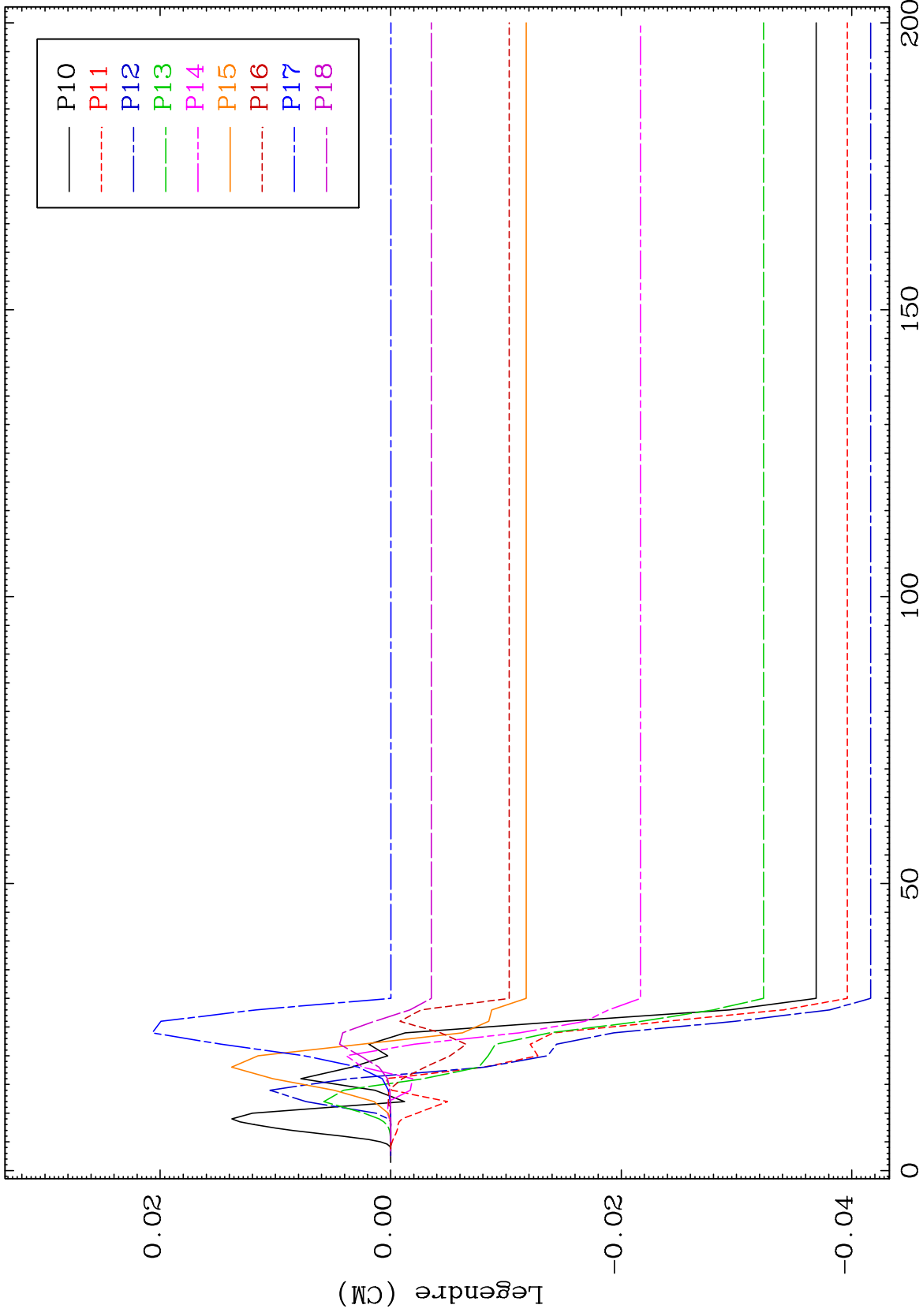
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

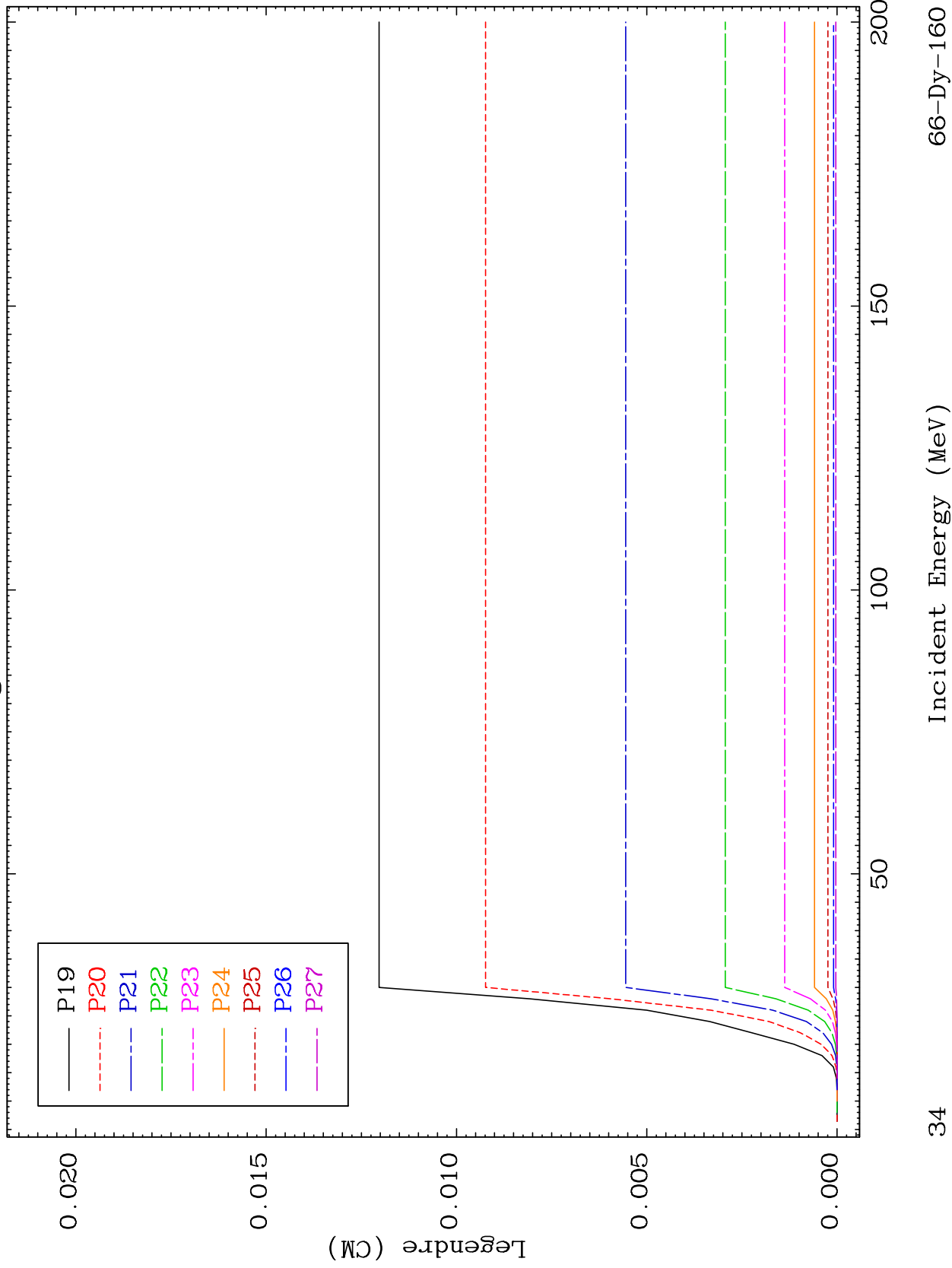
66-Dy-160



33

Incident Energy (MeV)

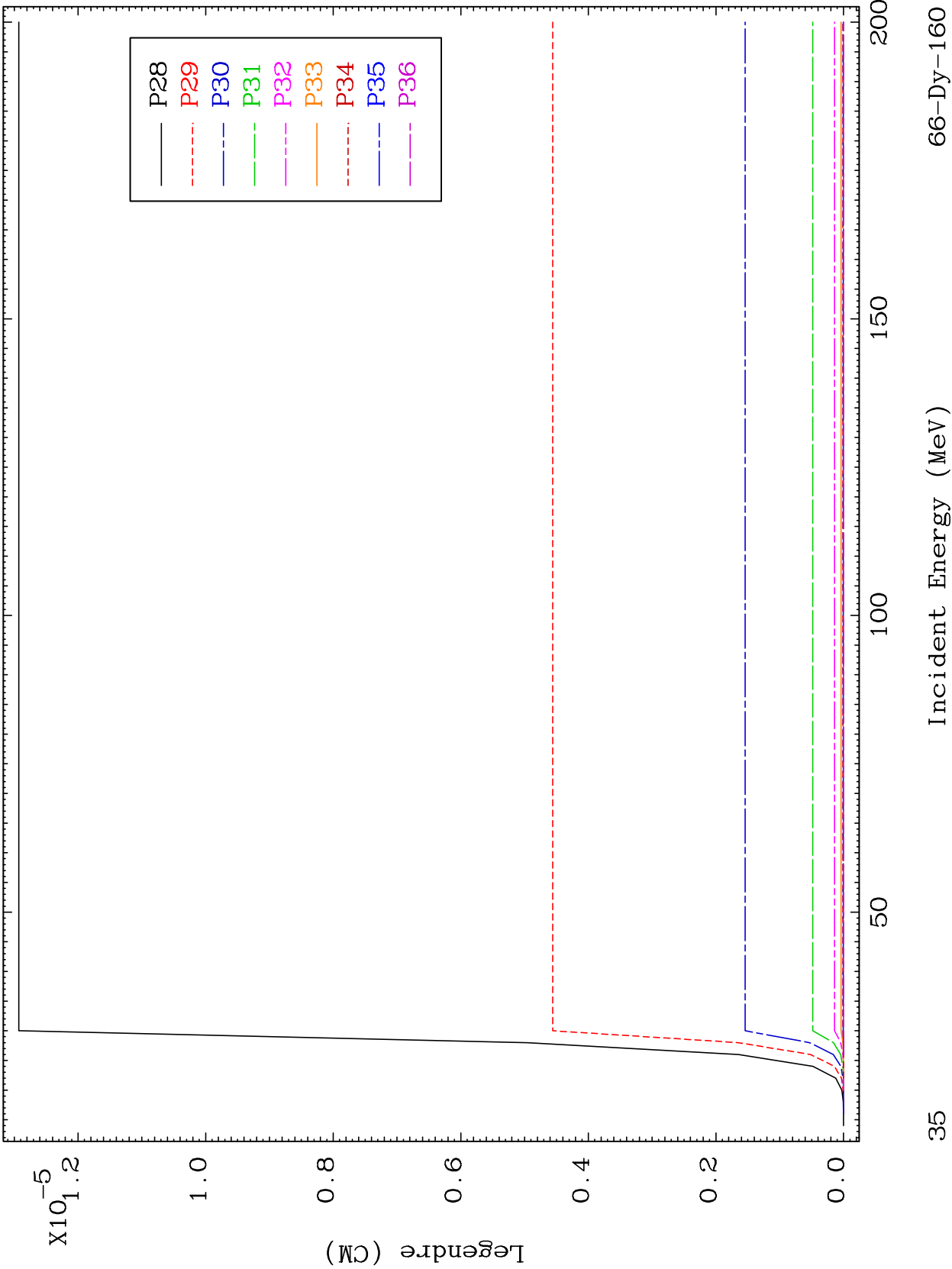
66-Dy-160



MAT 6637

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

66-Dy-160



35

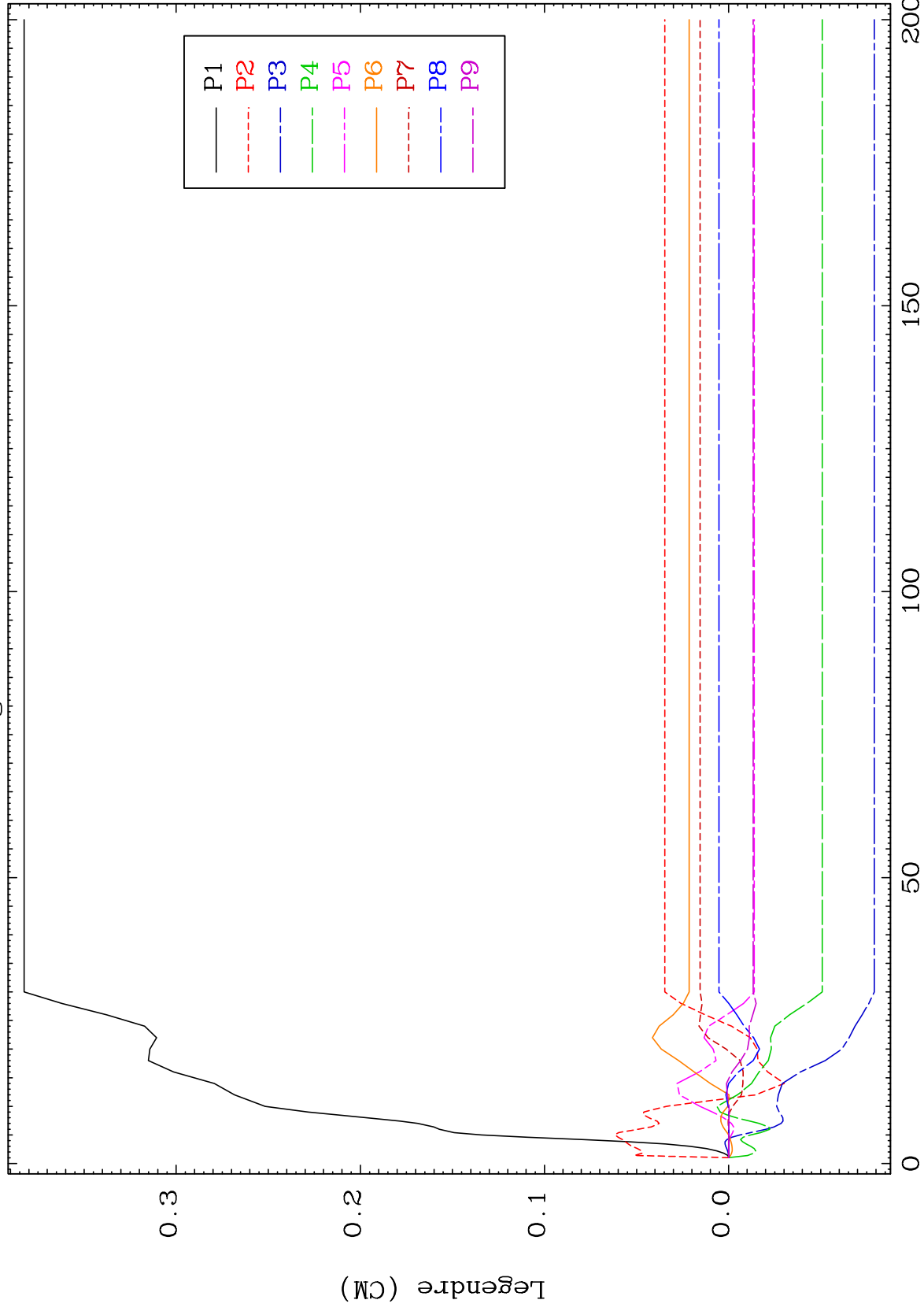
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



36

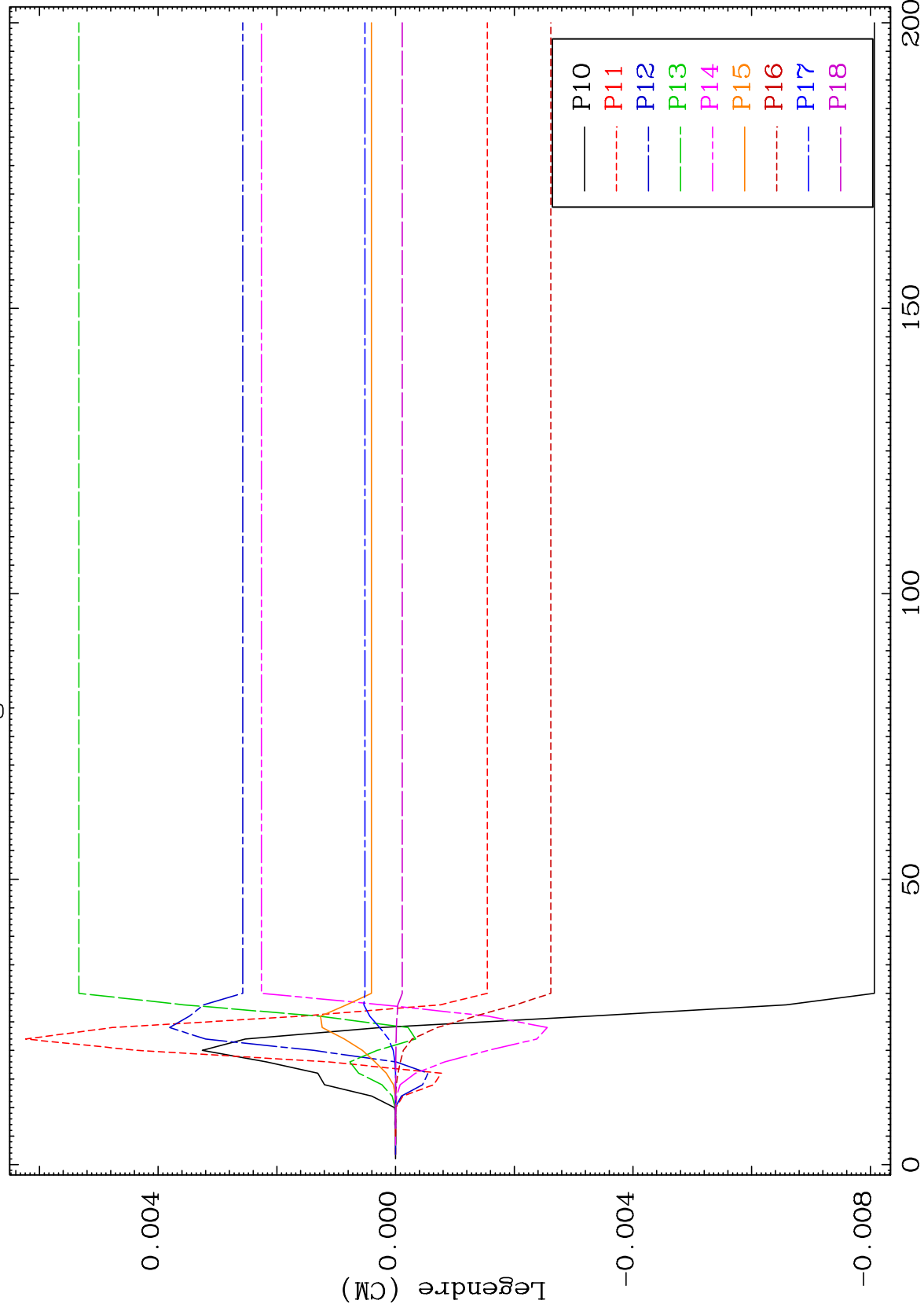
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



37

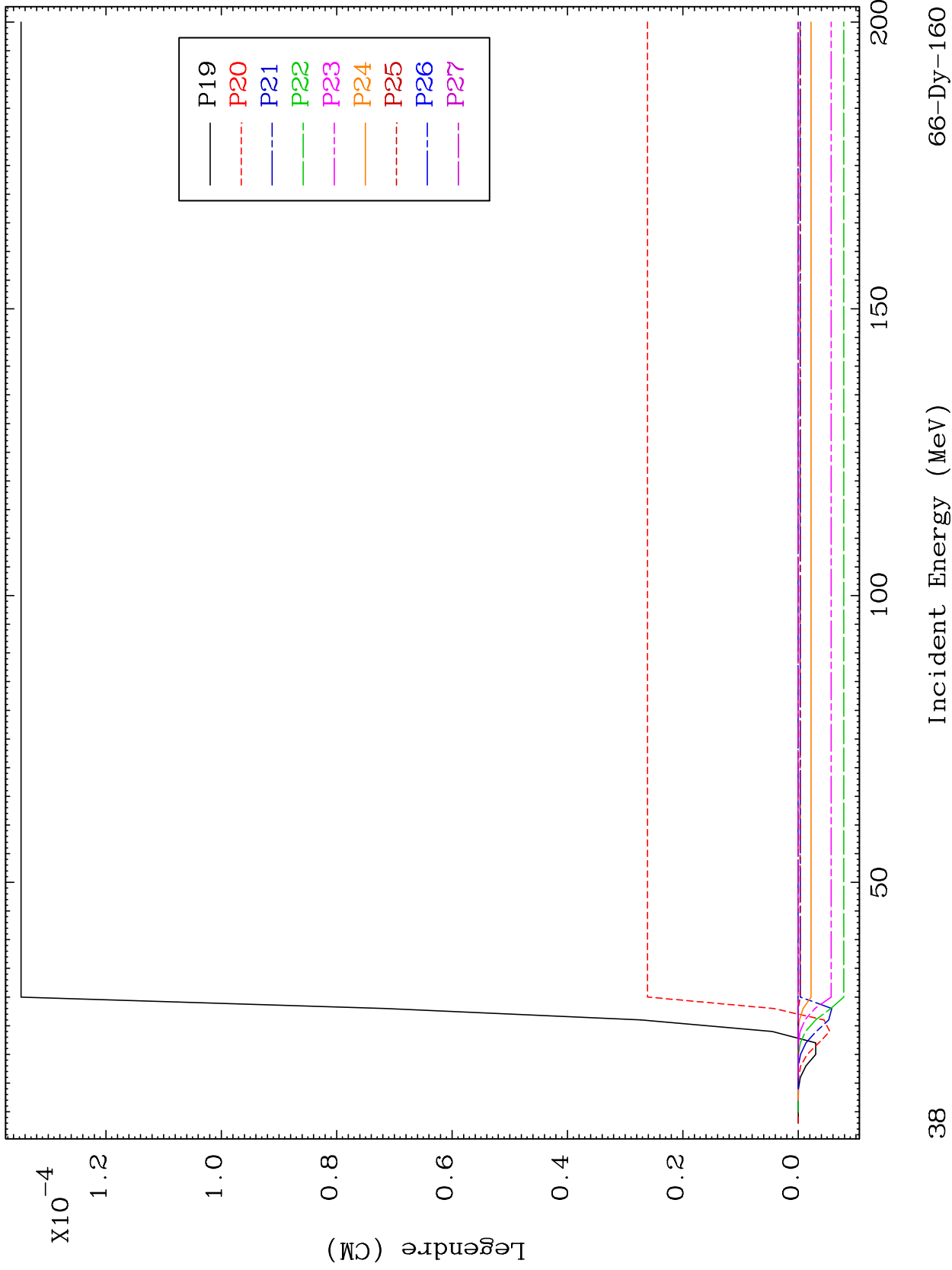
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



38

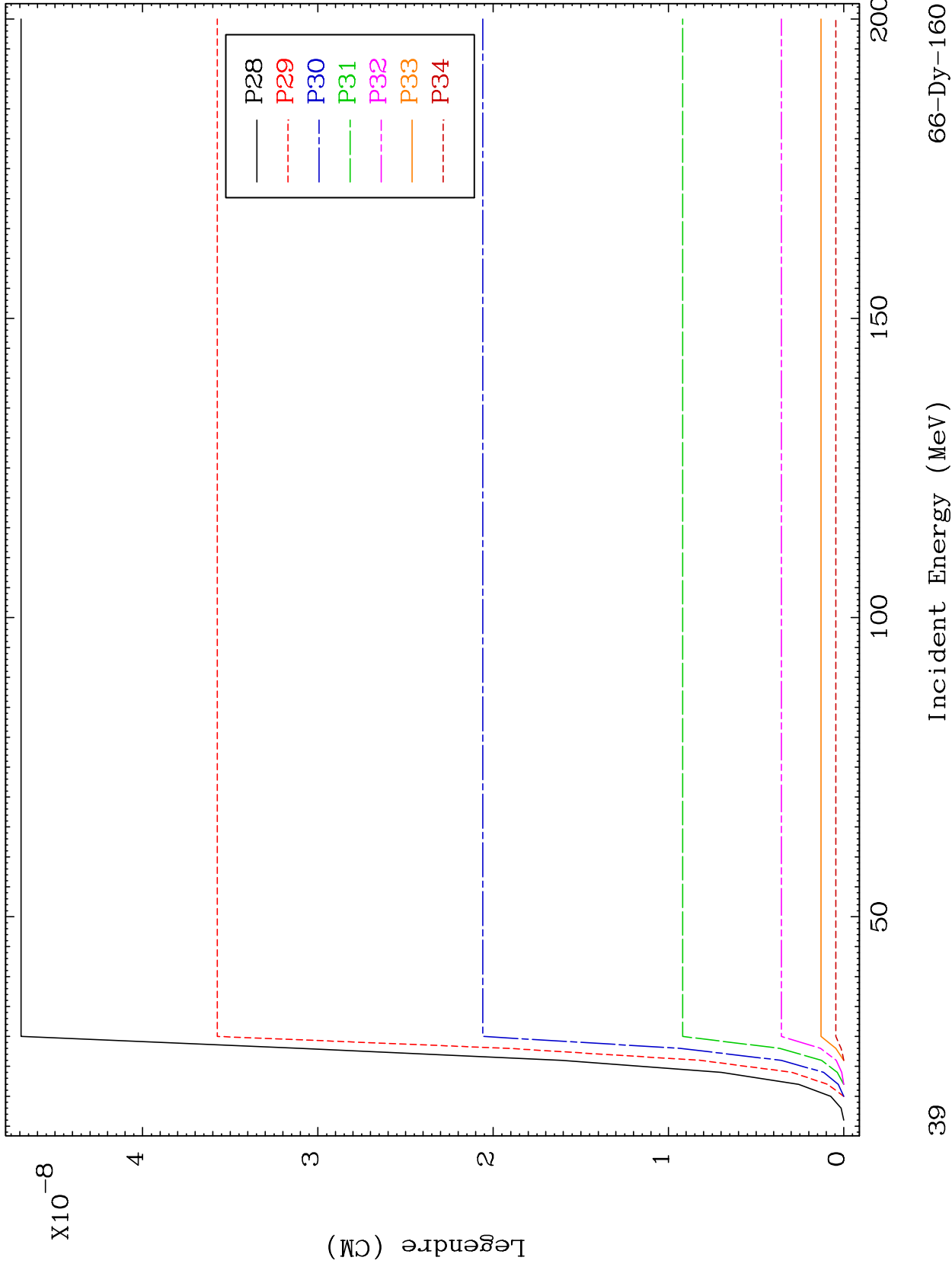
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

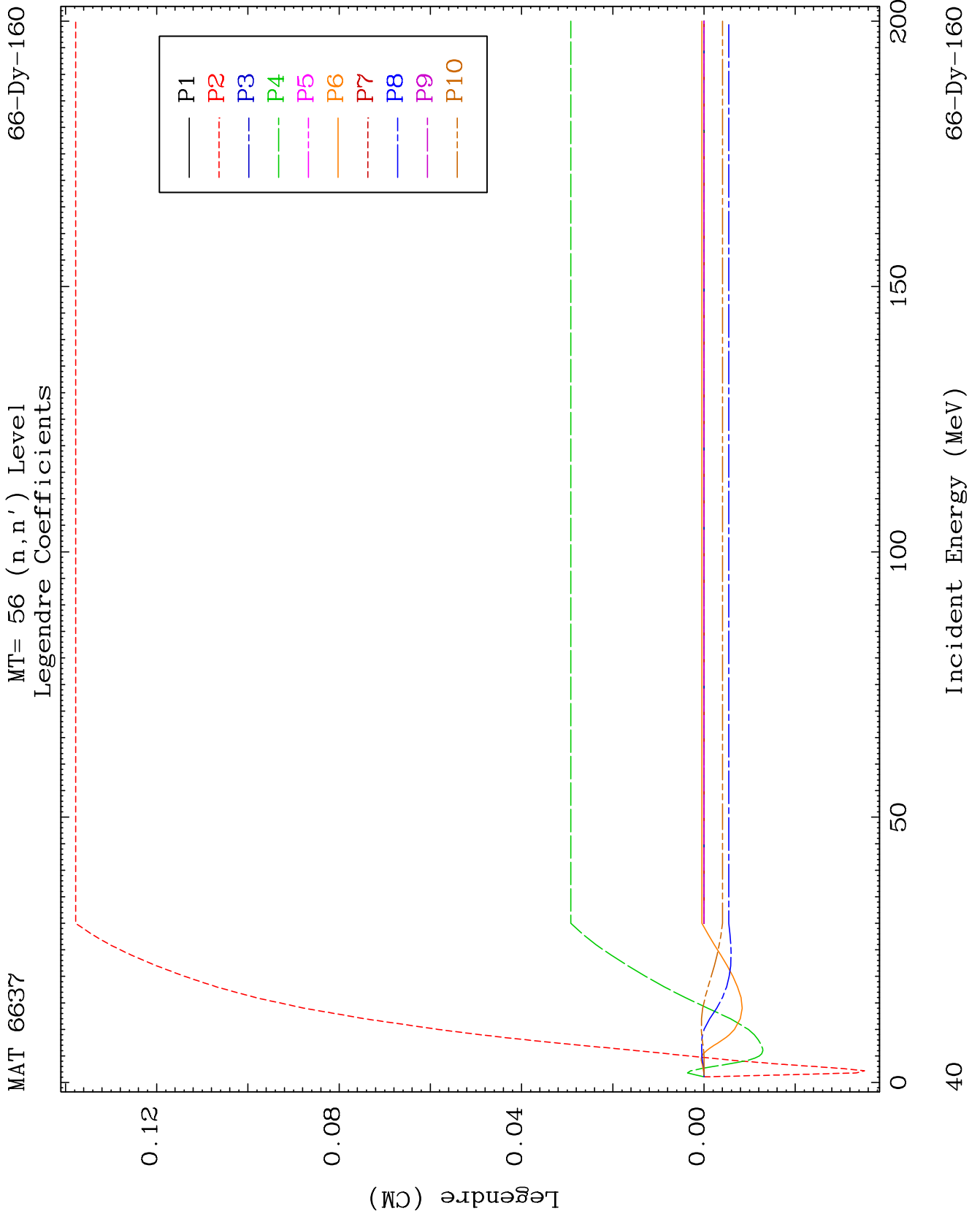
66-Dy-160



39

Incident Energy (MeV)

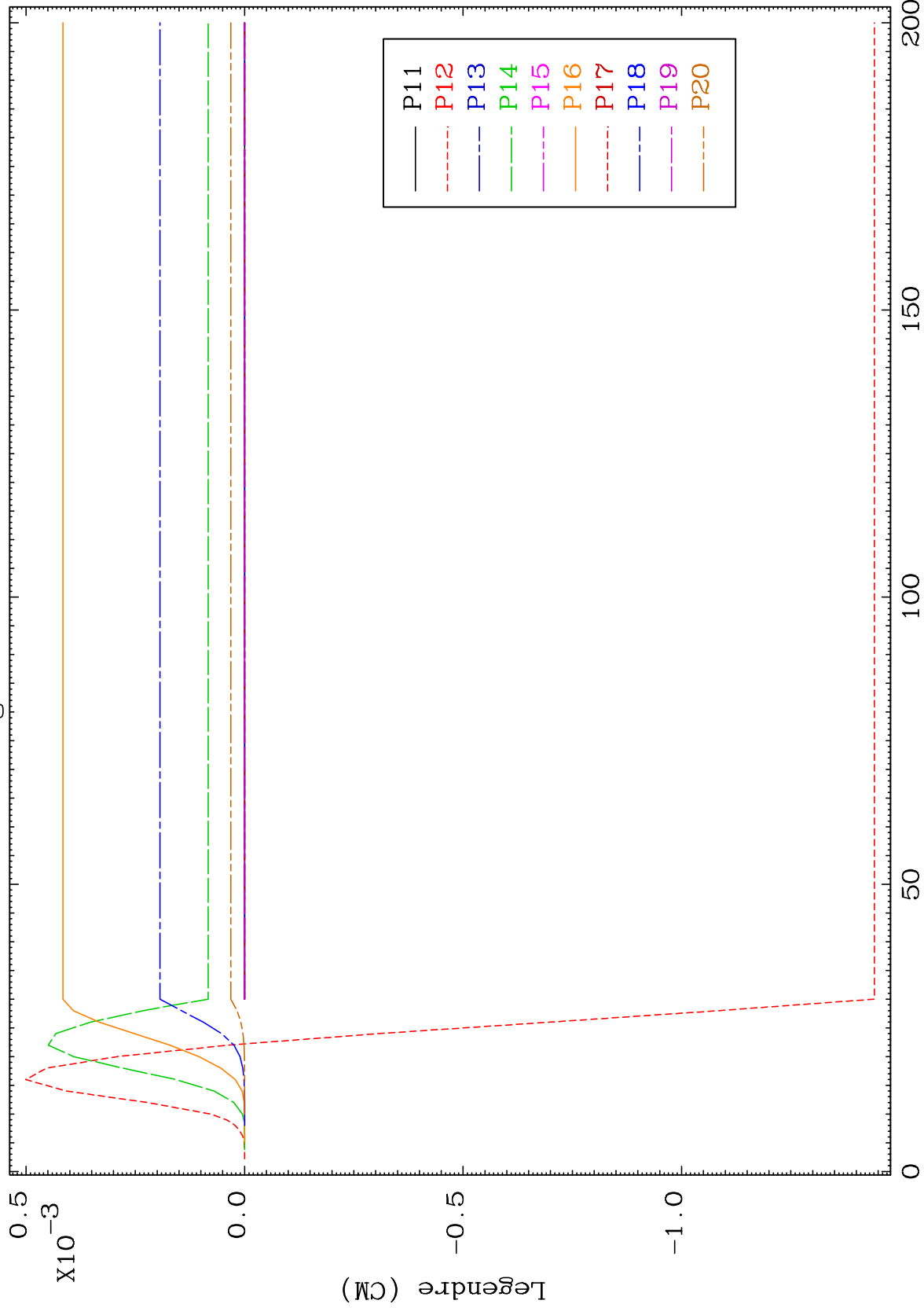
66-Dy-160



MAT 6637

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

66-Dy-160



41

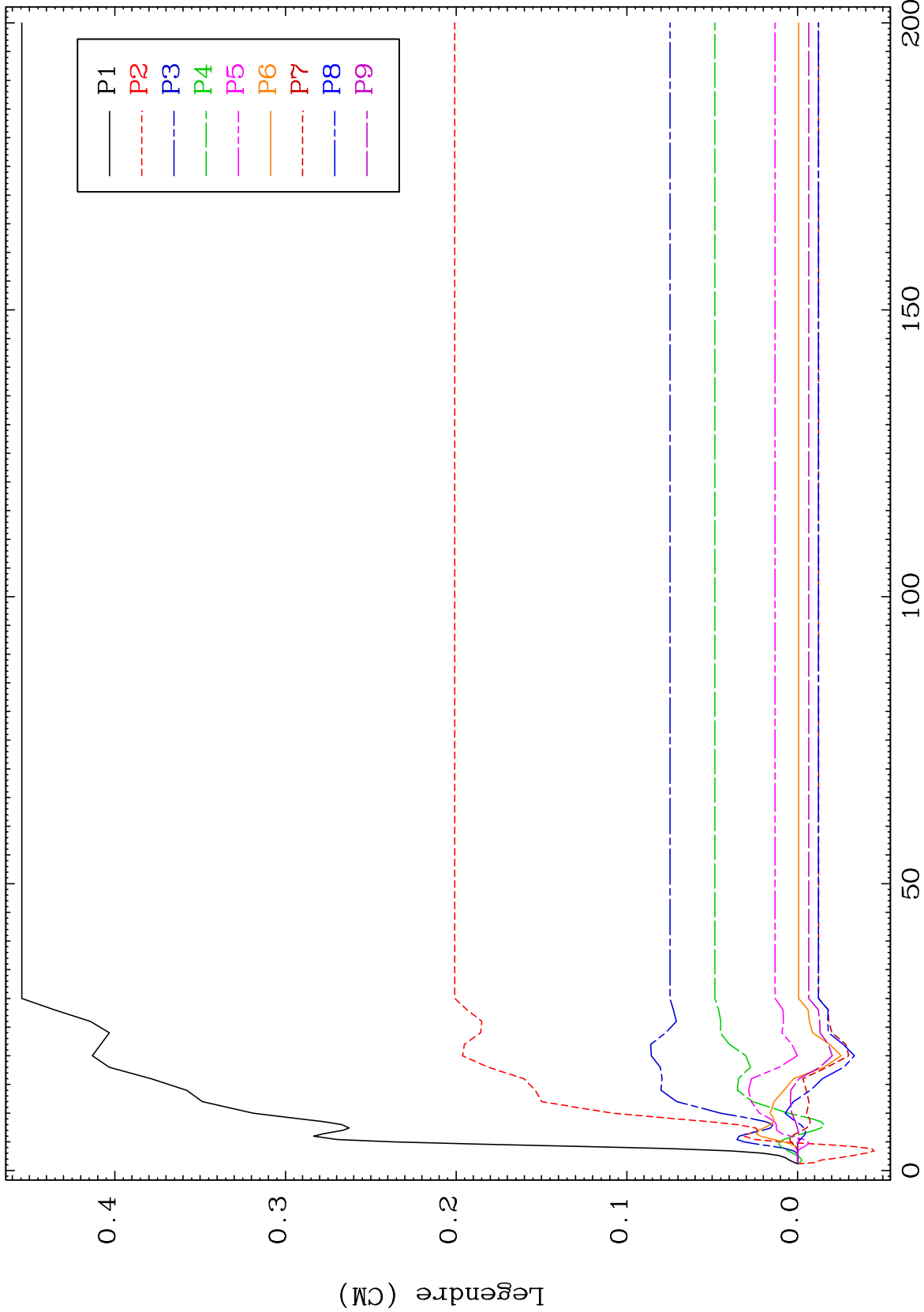
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



43

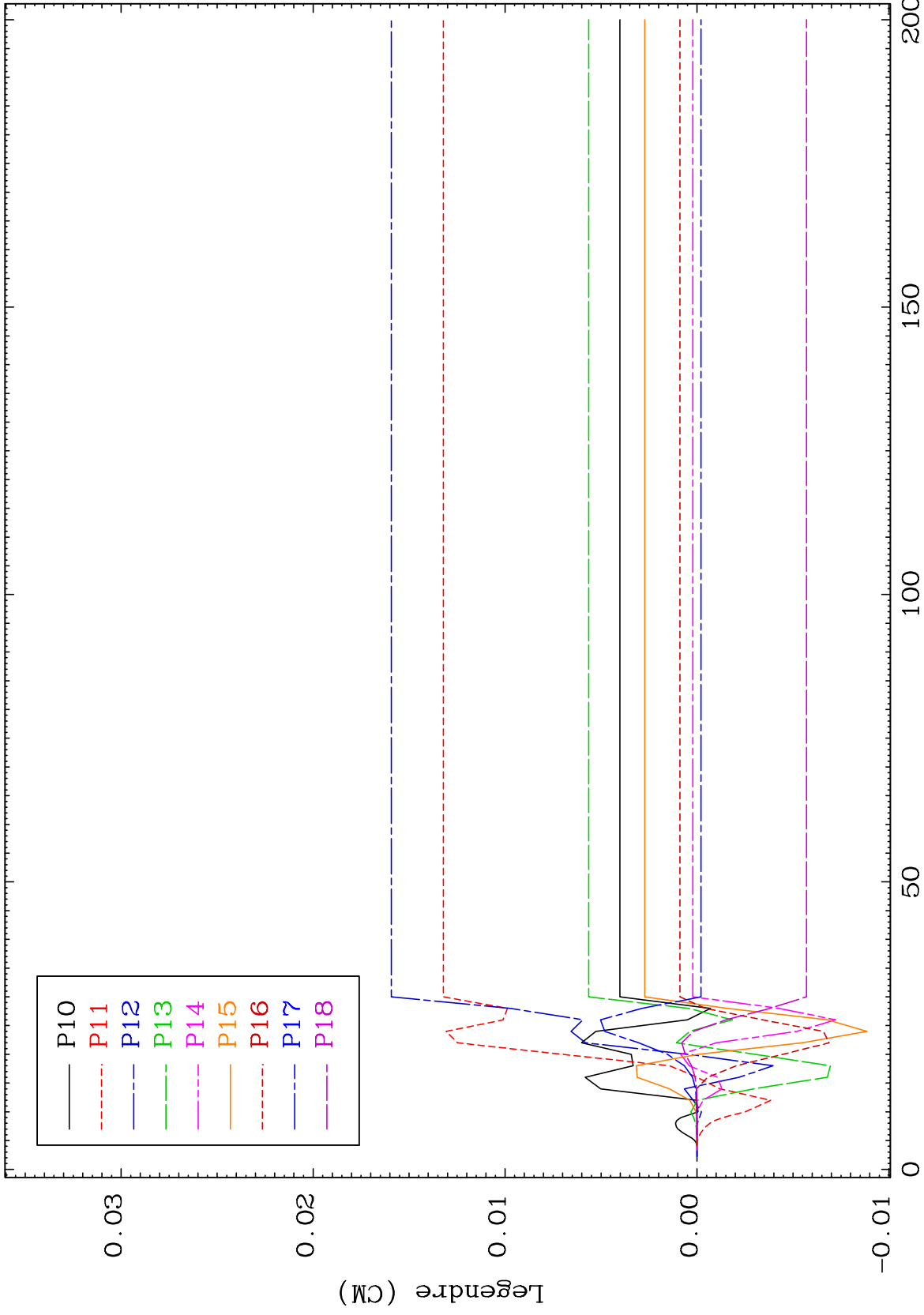
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



44

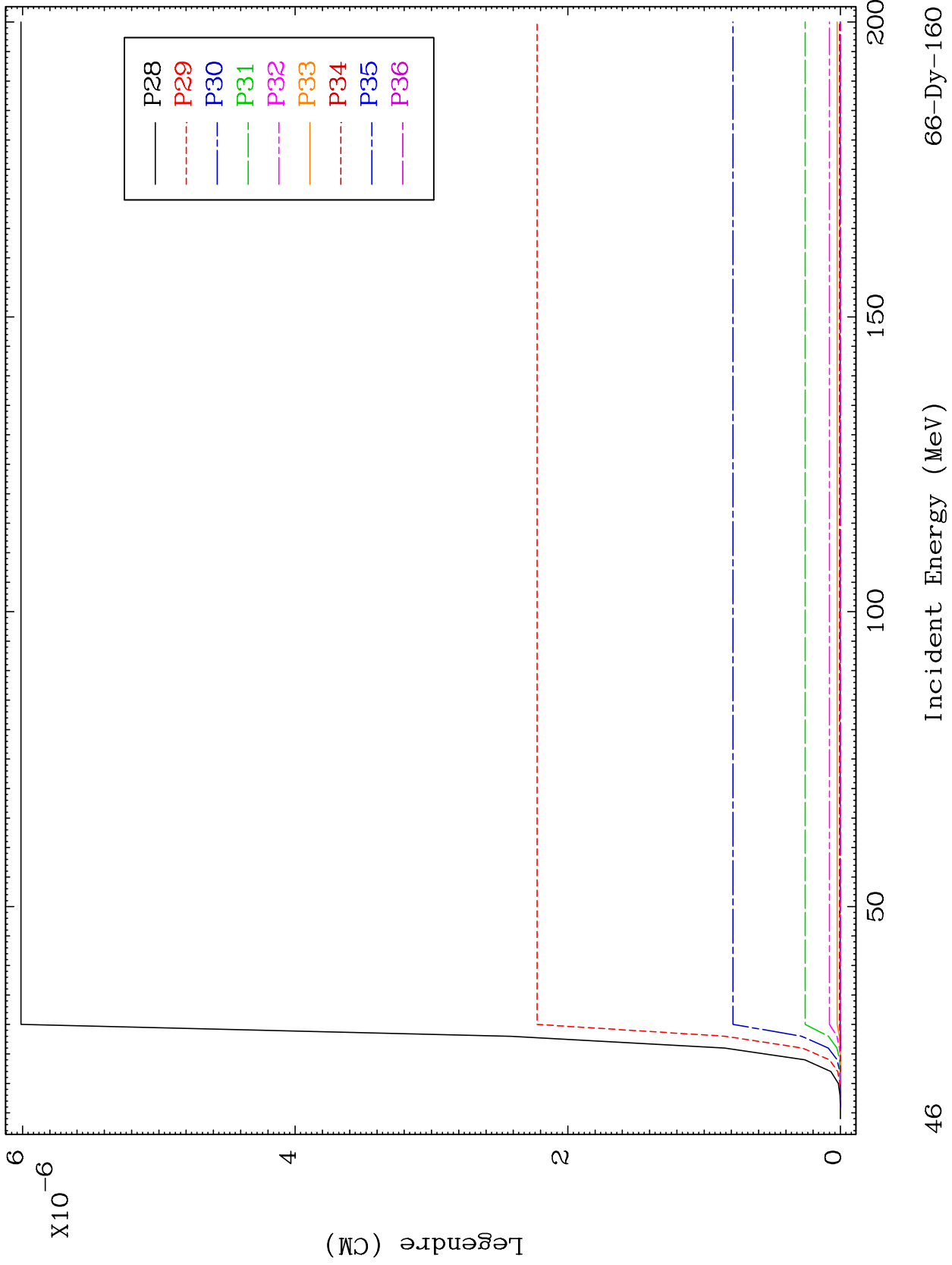
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

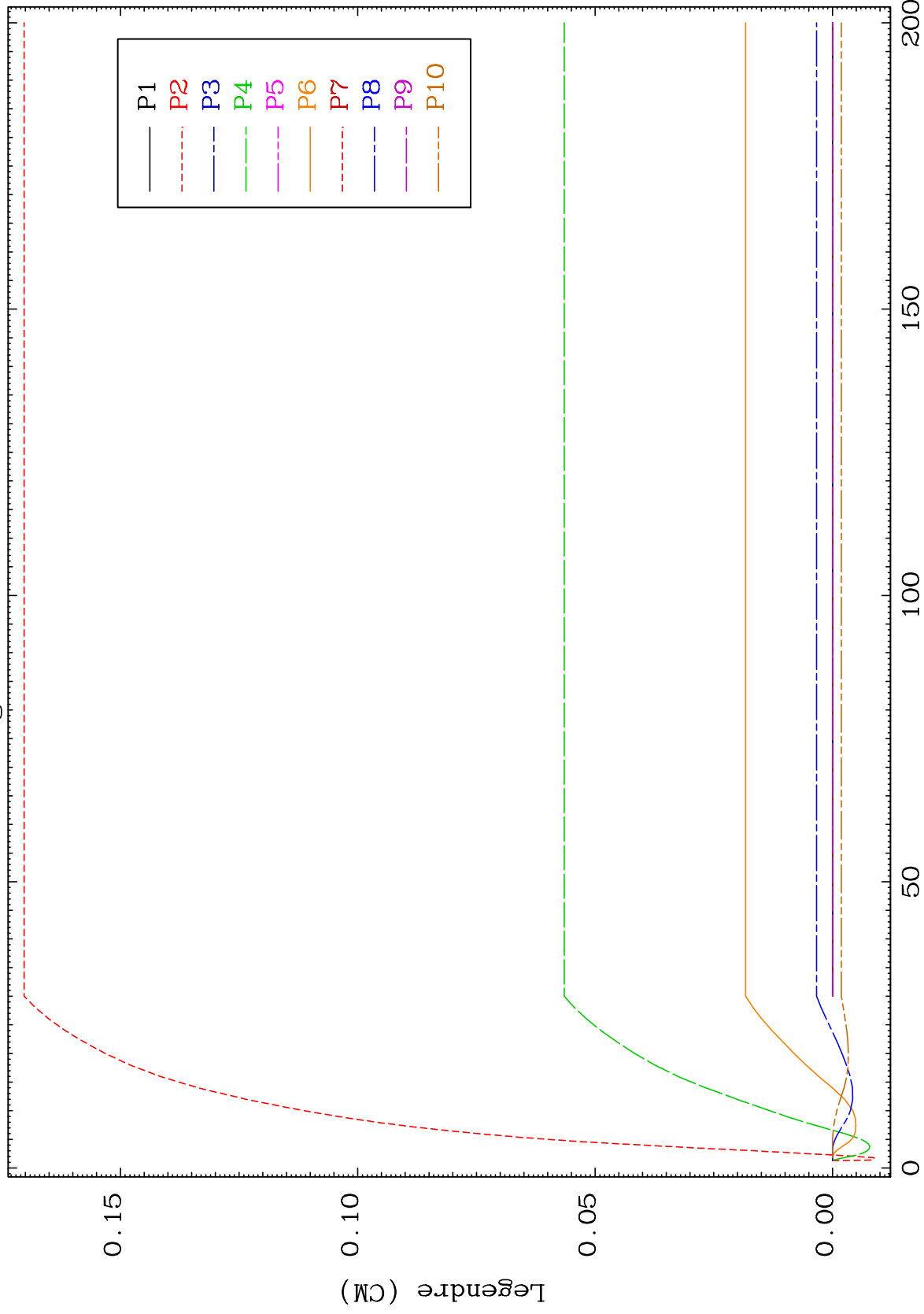
66-Dy-160



MAT 6637

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

66-Dy-160



47

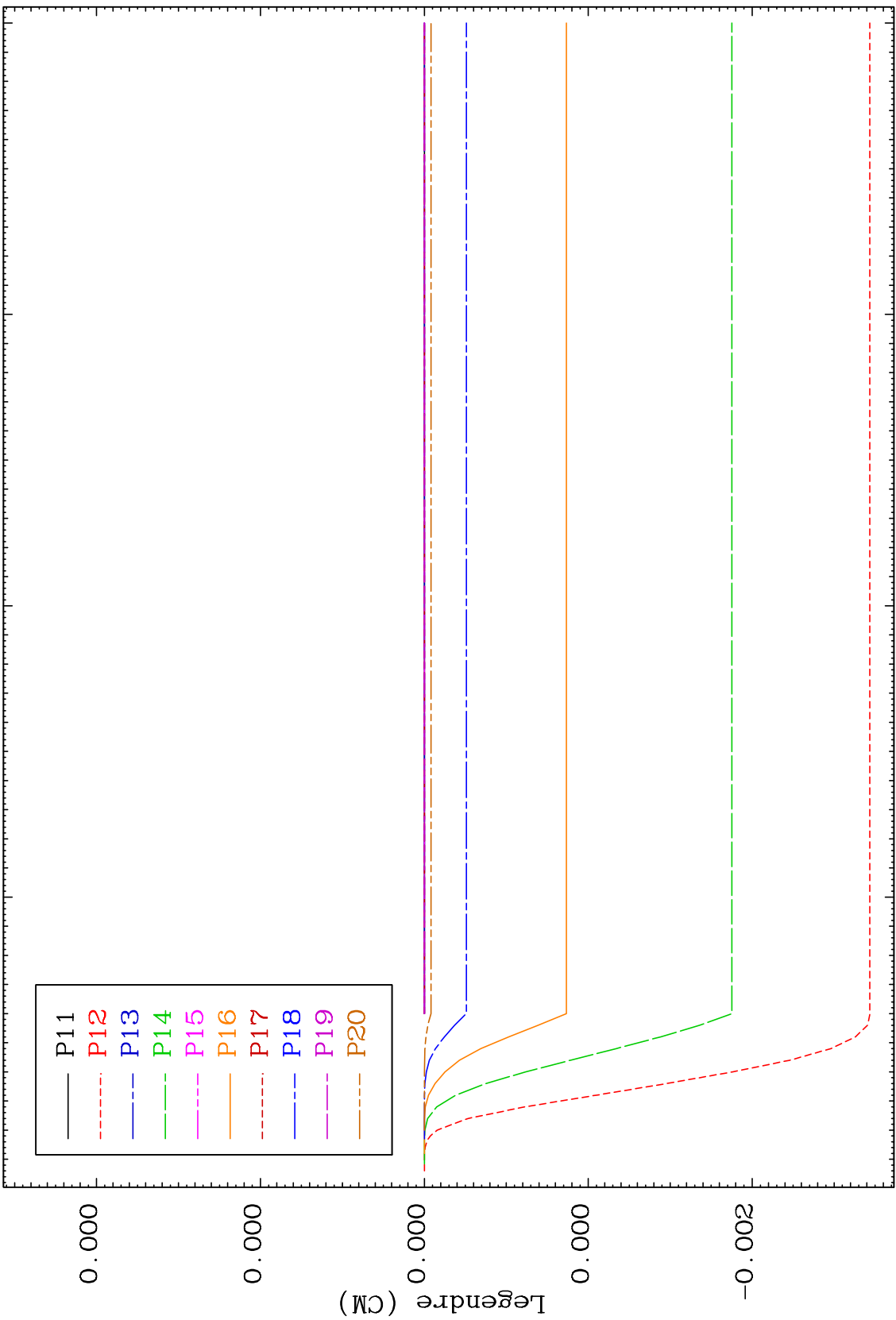
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

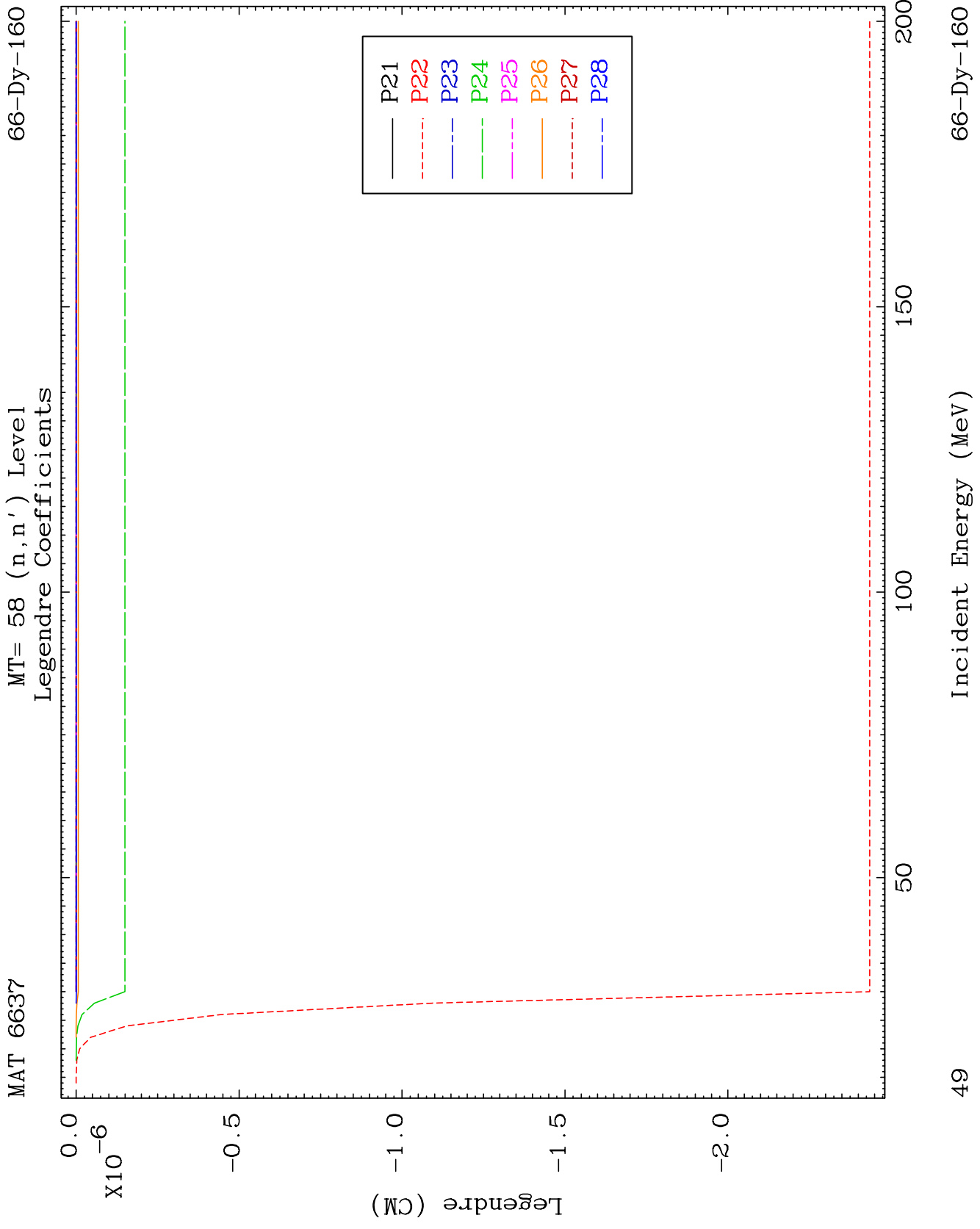
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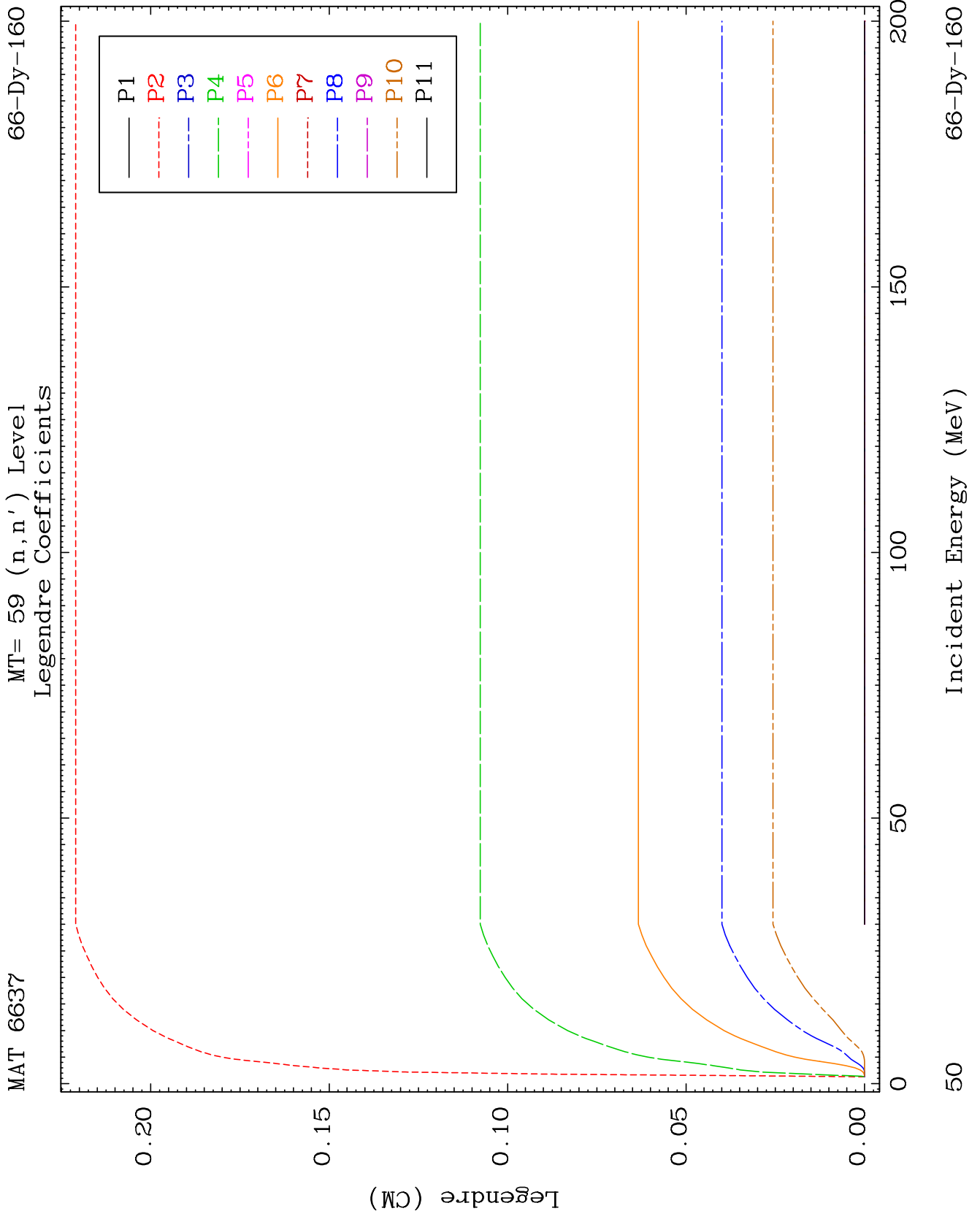


48

Incident Energy (MeV)

66-Dy-160

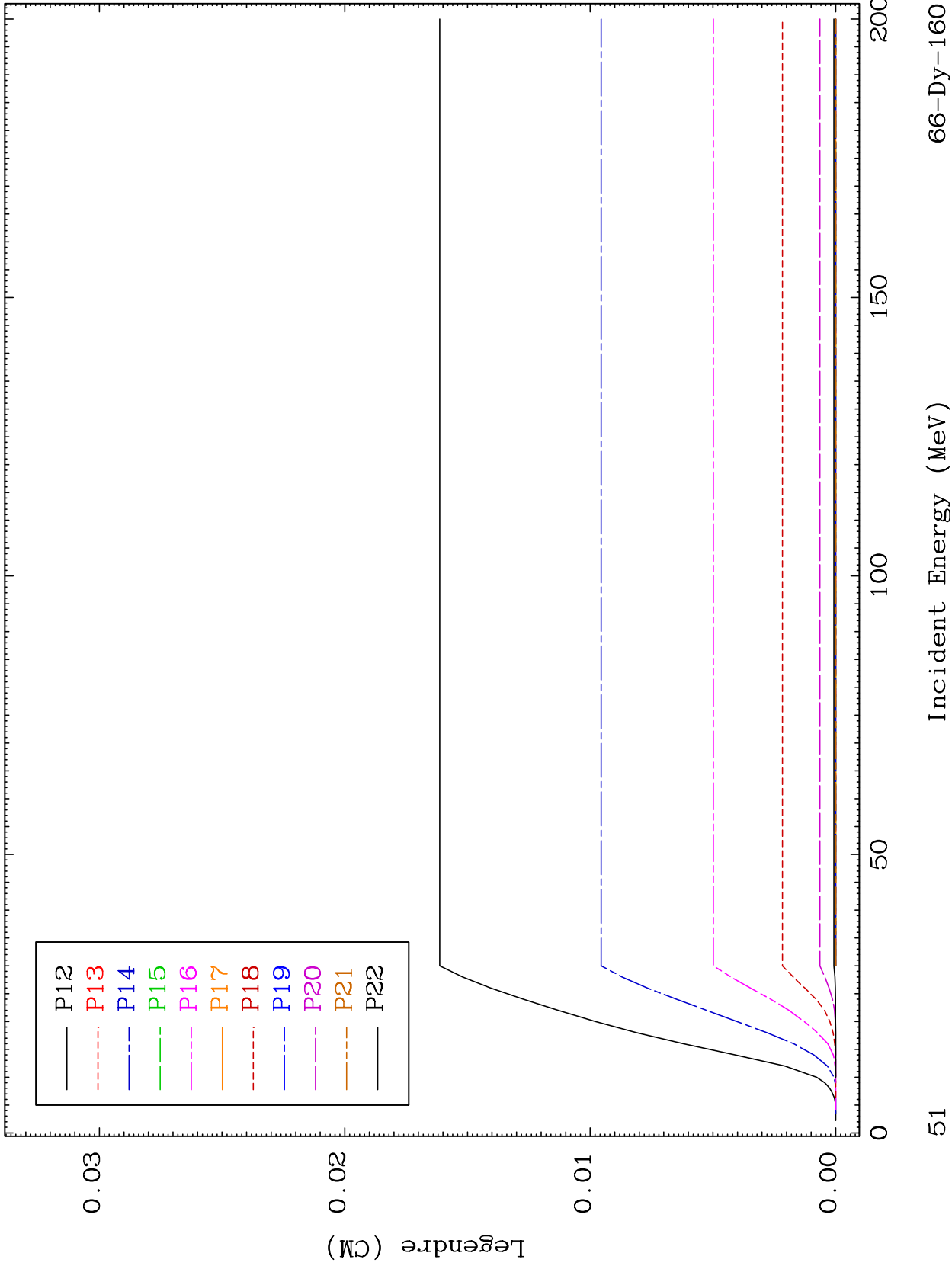




MAT 6637

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

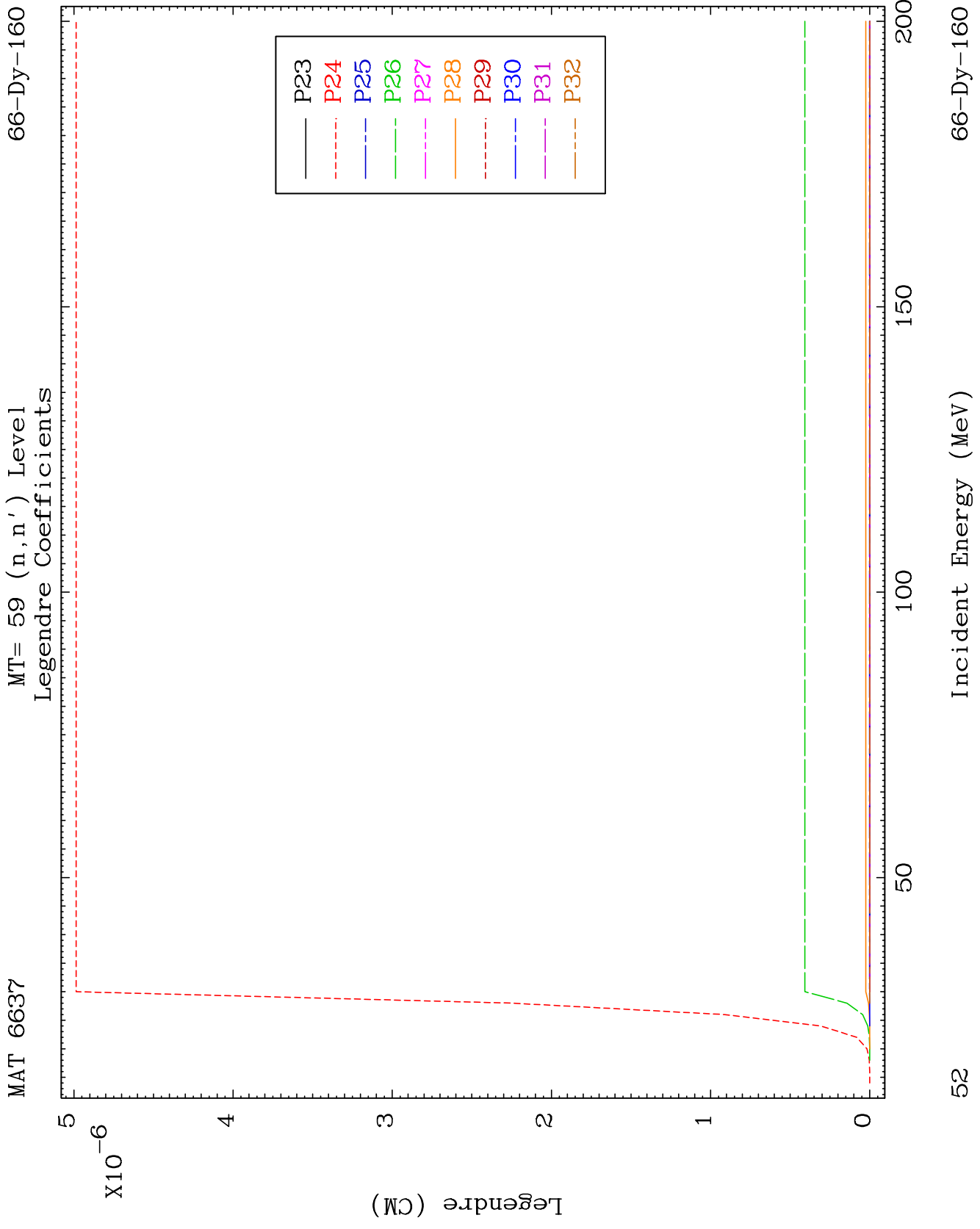
66-Dy-160



51

Incident Energy (MeV)

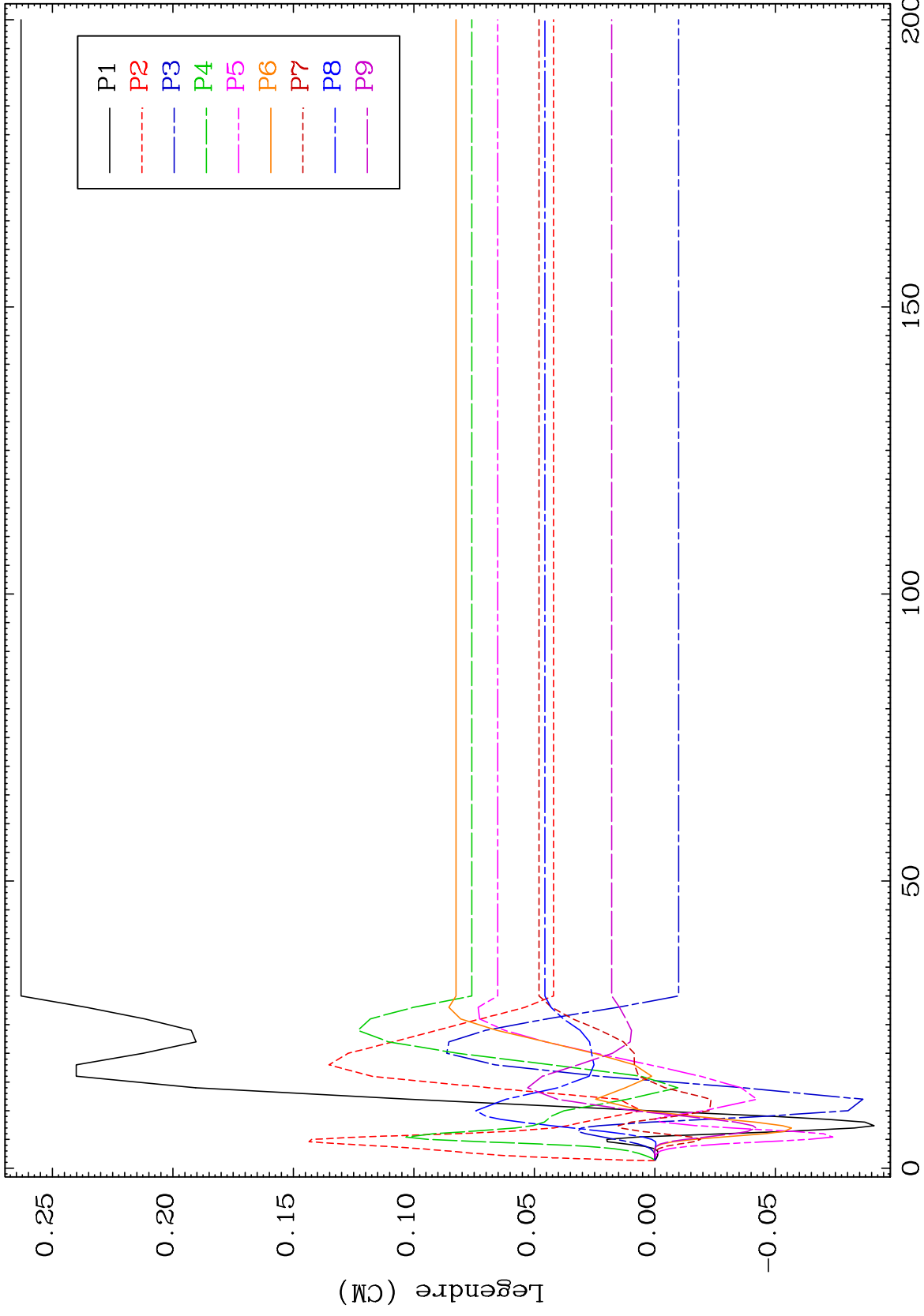
66-Dy-160



MAT 6637

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

66-Dy-160



53

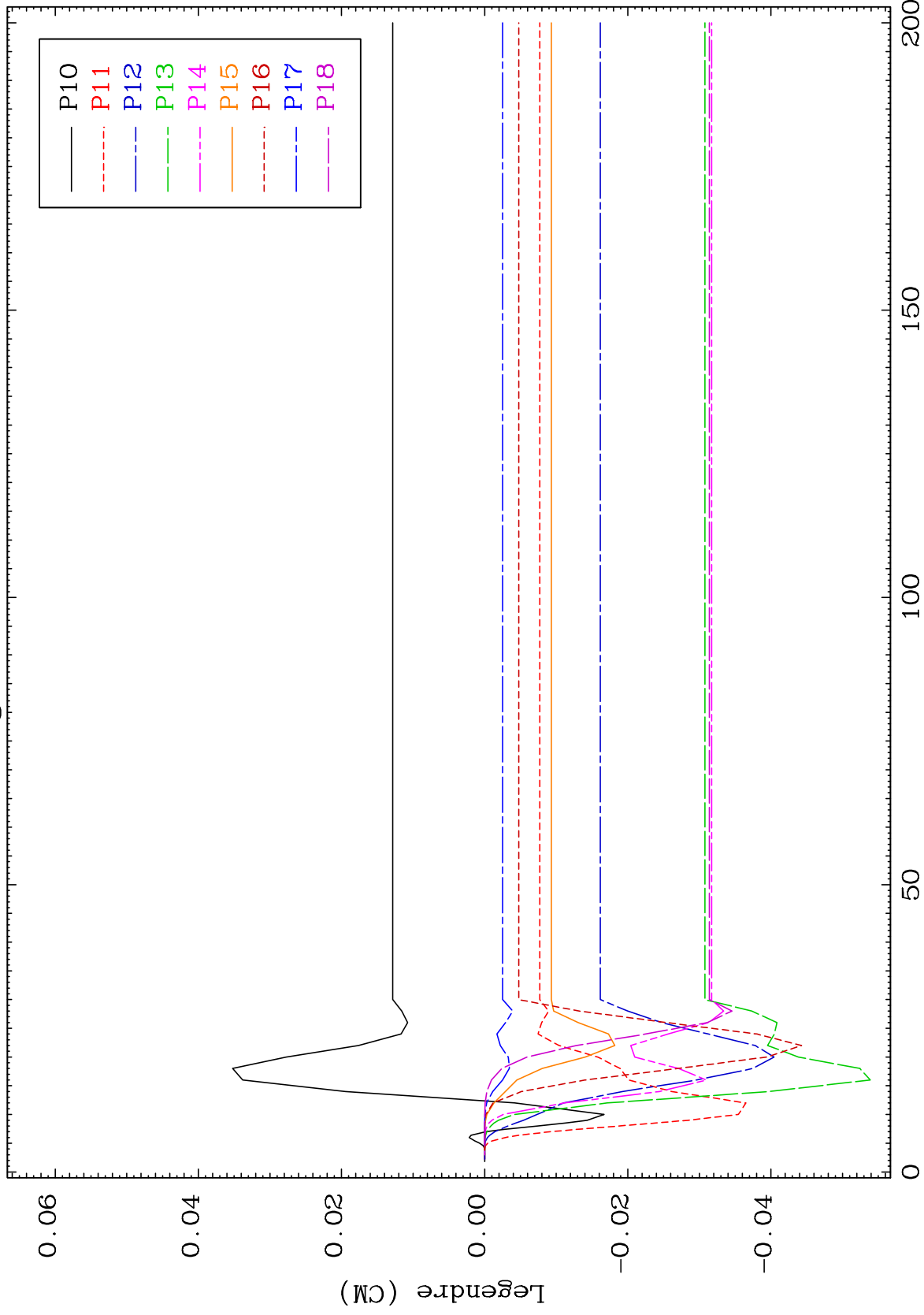
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



54

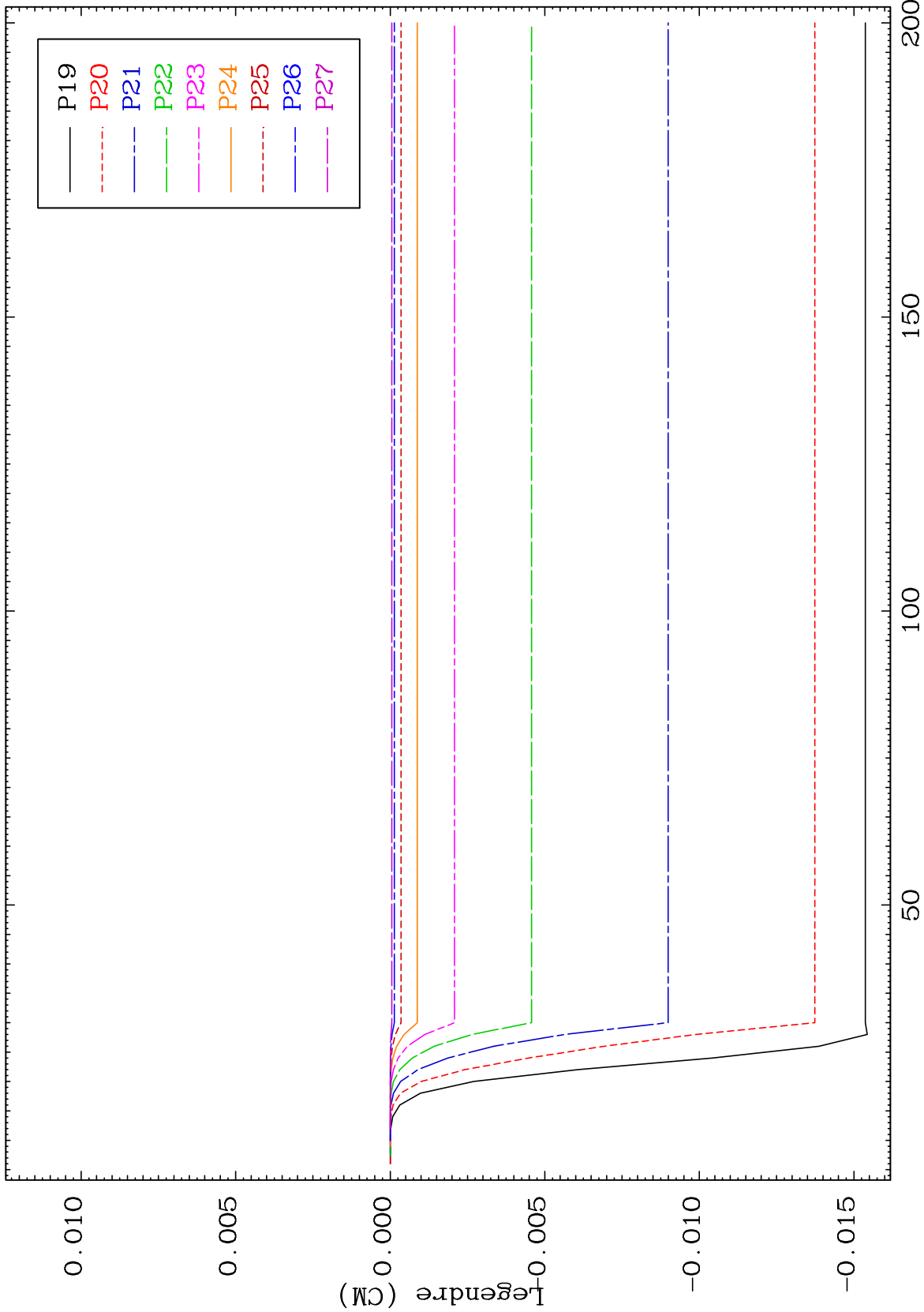
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

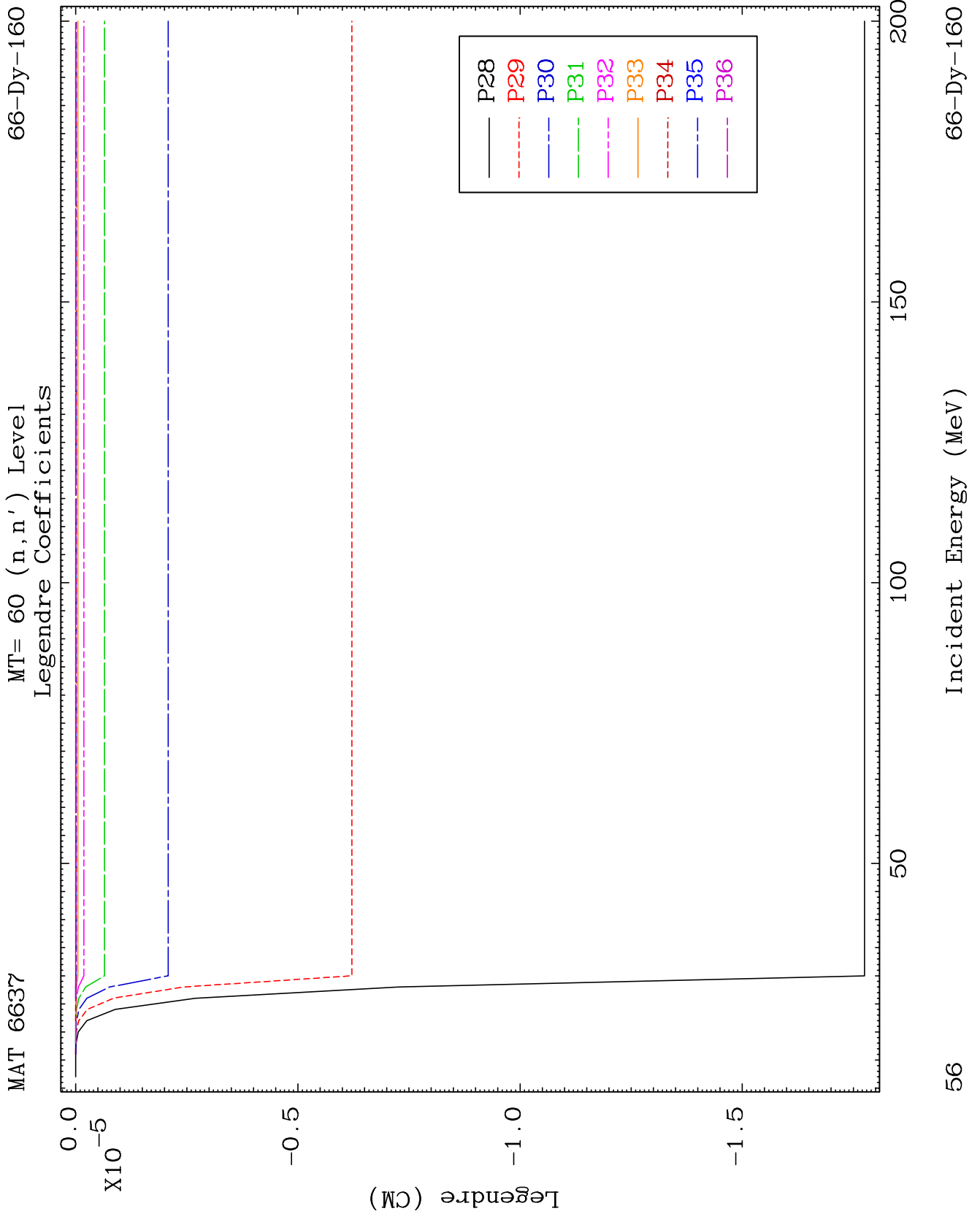
66-Dy-160



55

Incident Energy (MeV)

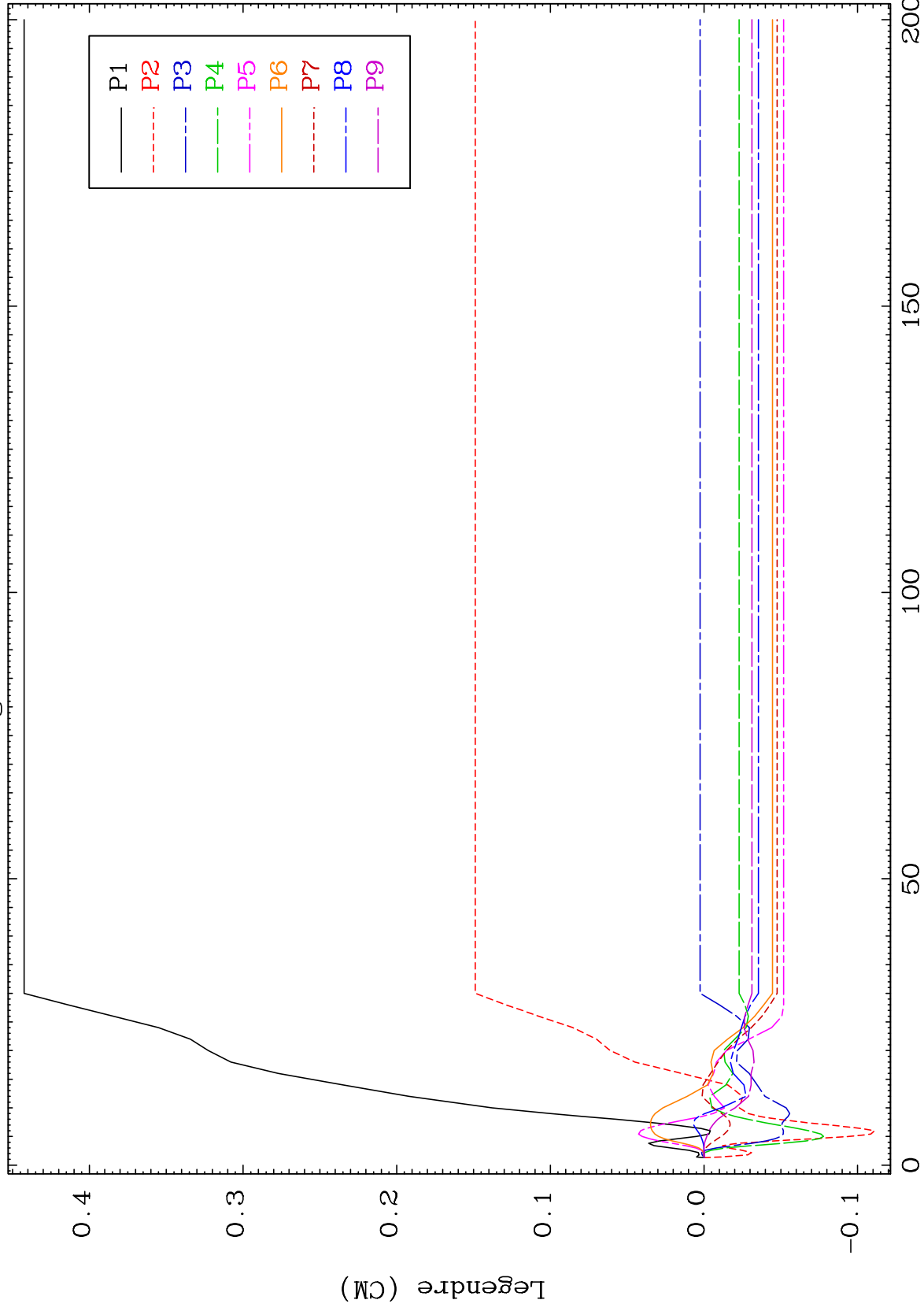
66-Dy-160



MAT 6637

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

66-Dy-160



57

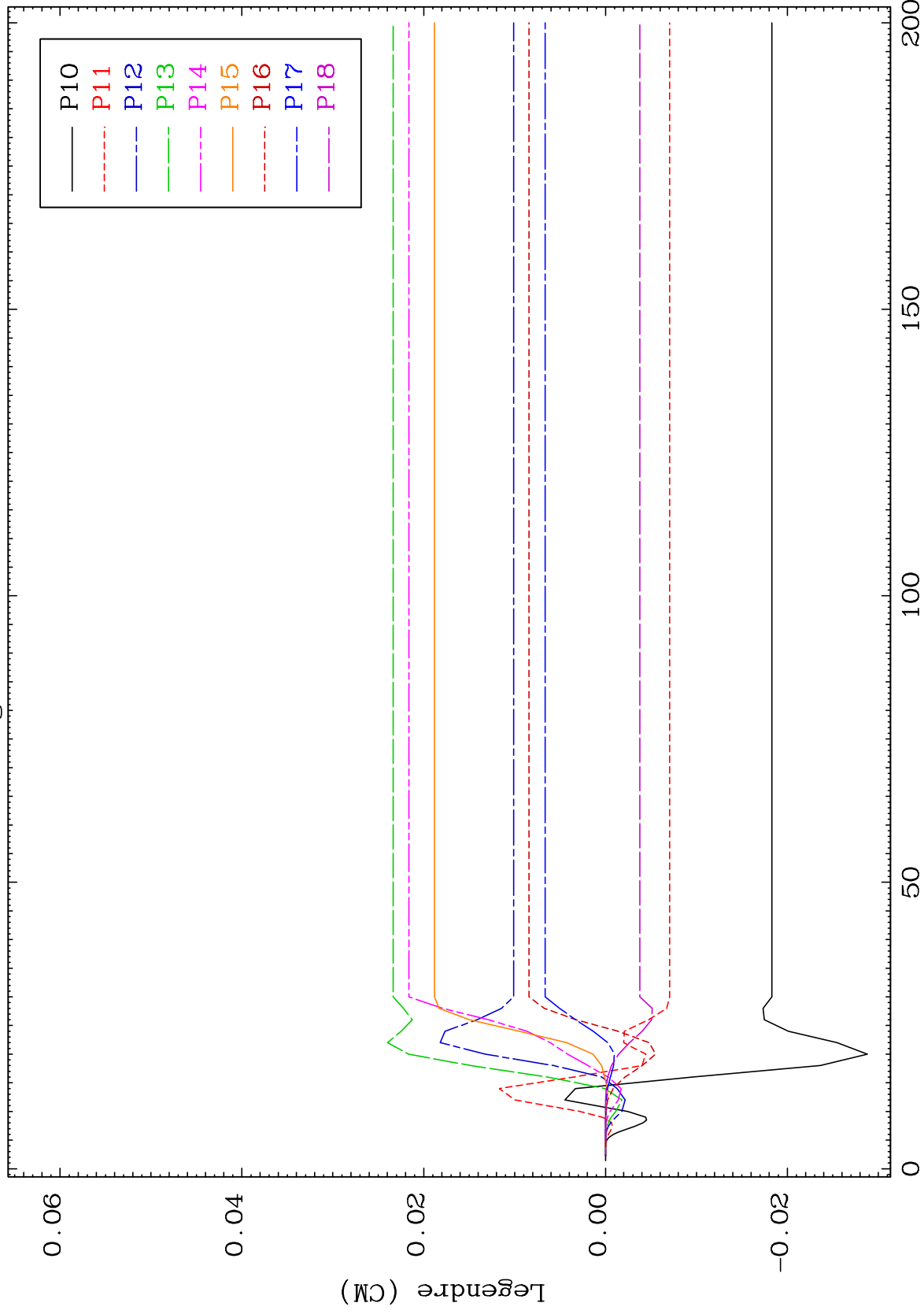
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



58

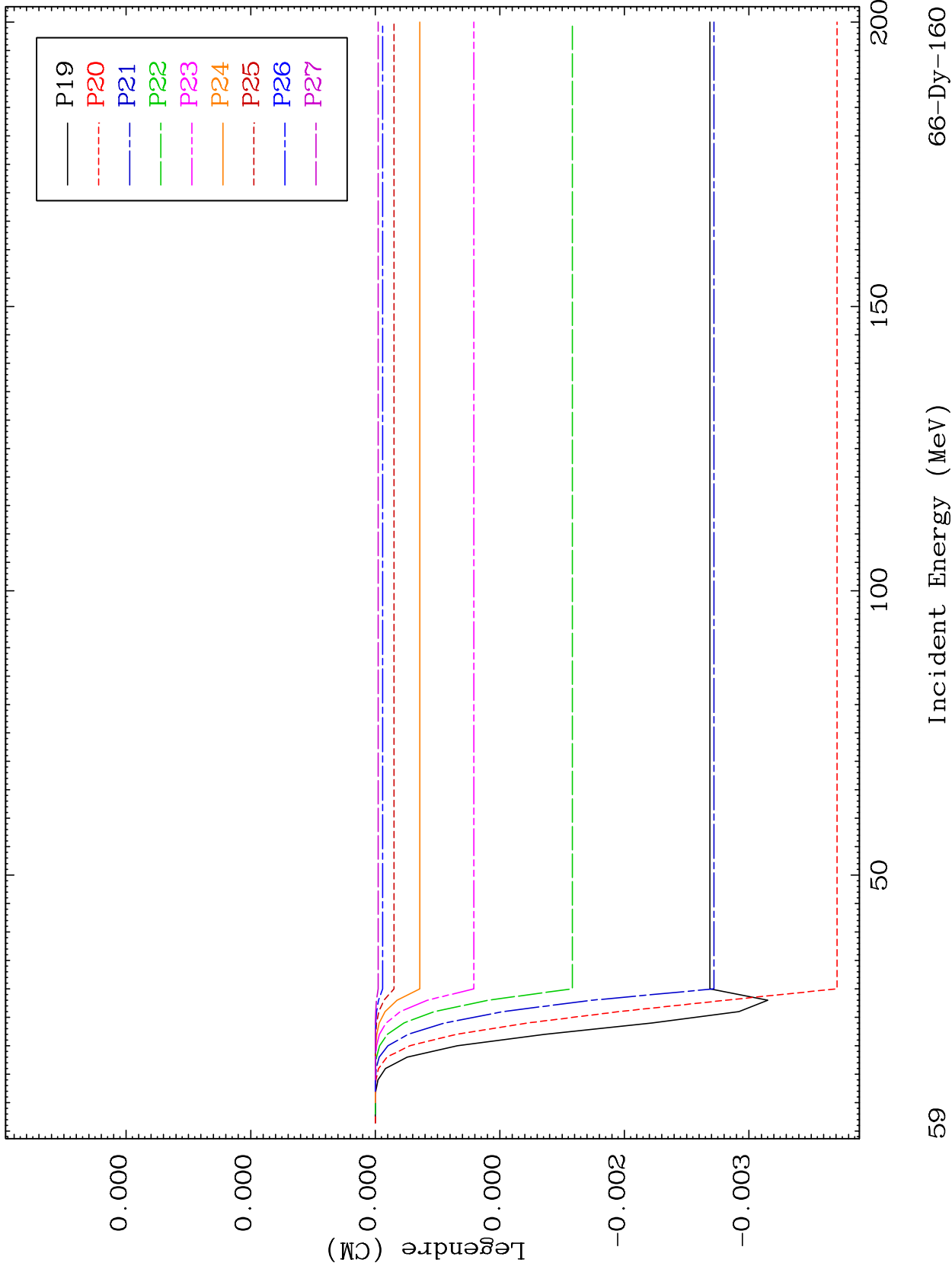
Incident Energy (MeV)

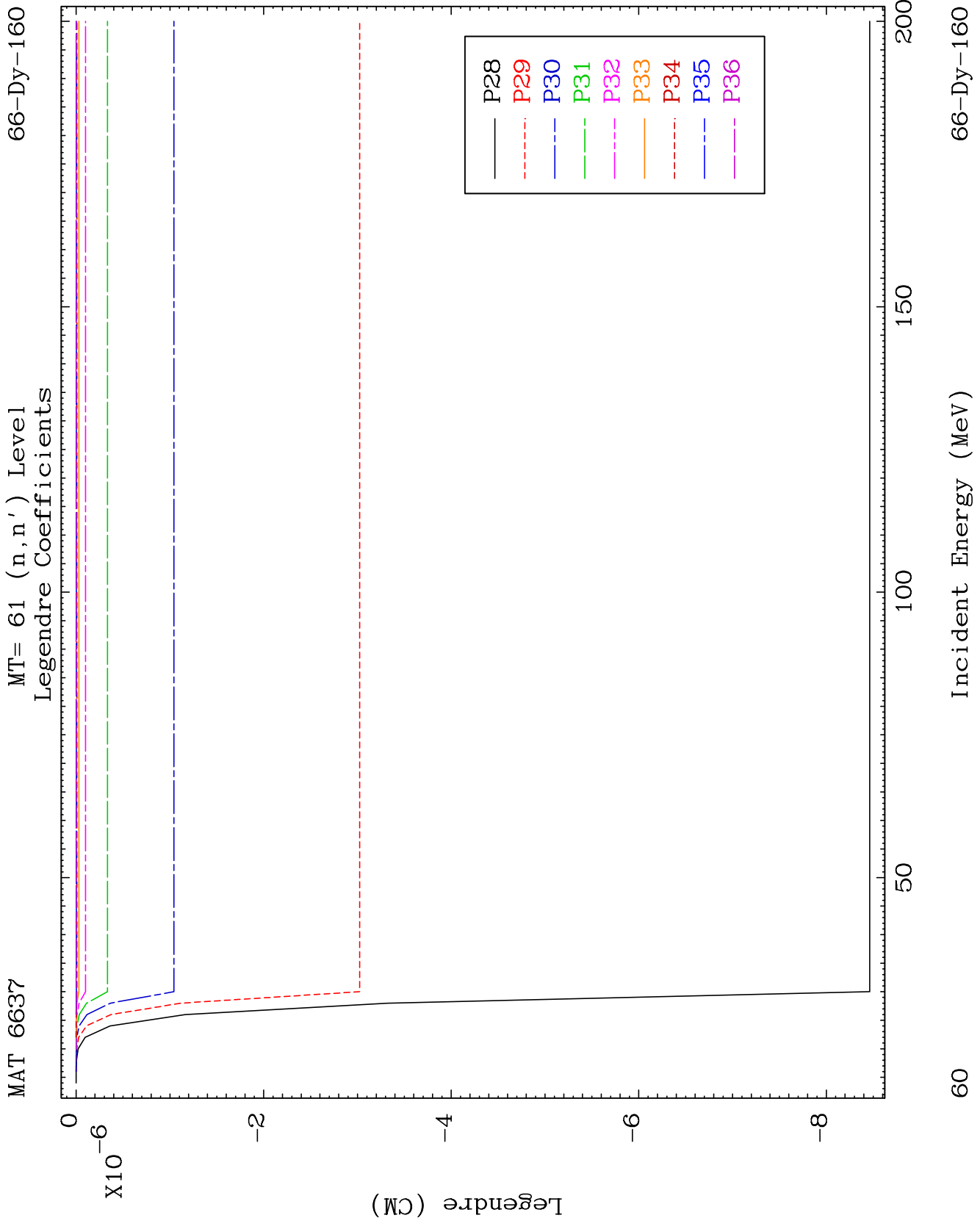
66-Dy-160

MAT 6637

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

66-Dy-160

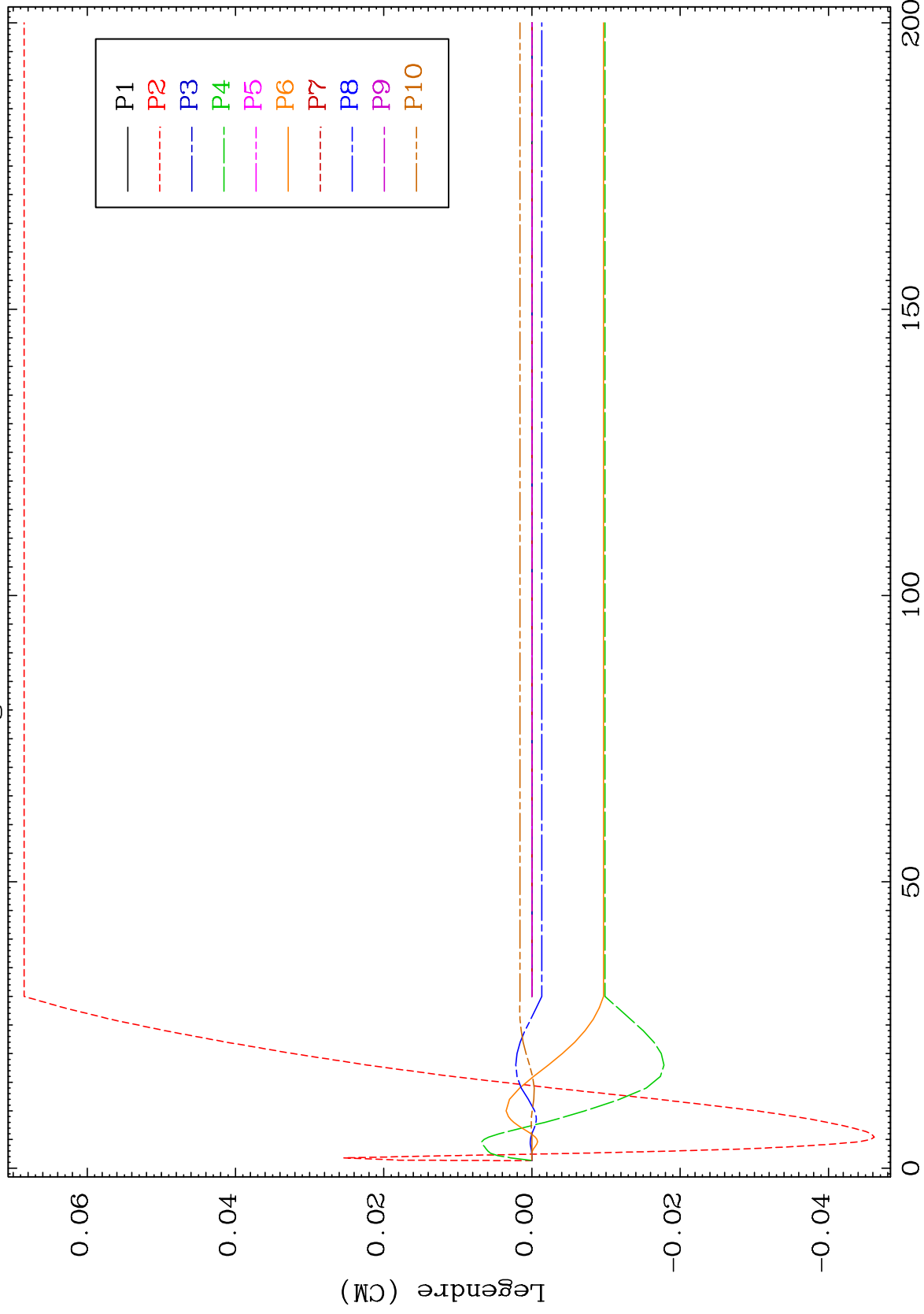




MAT 6637

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

66-Dy-160



61

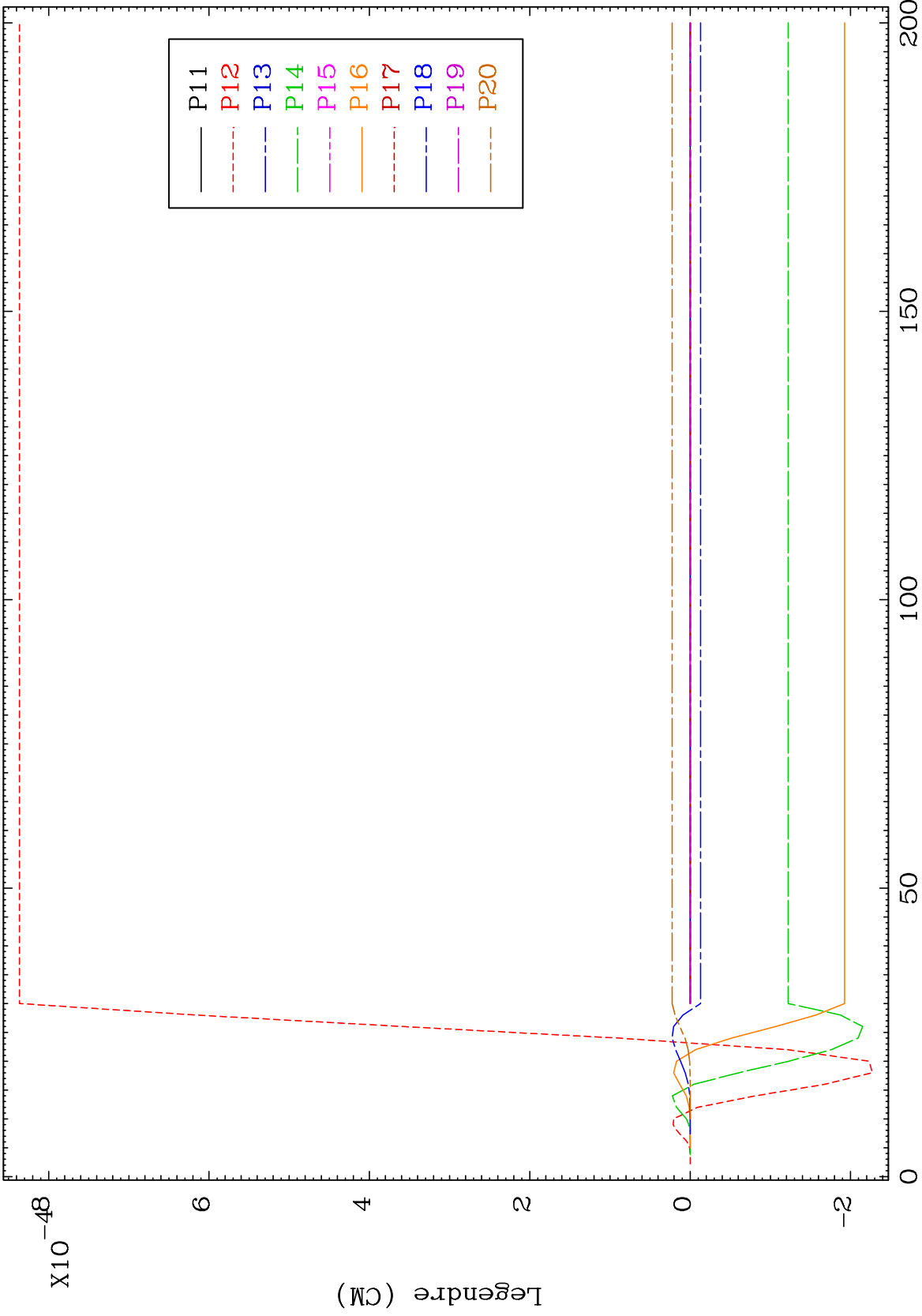
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

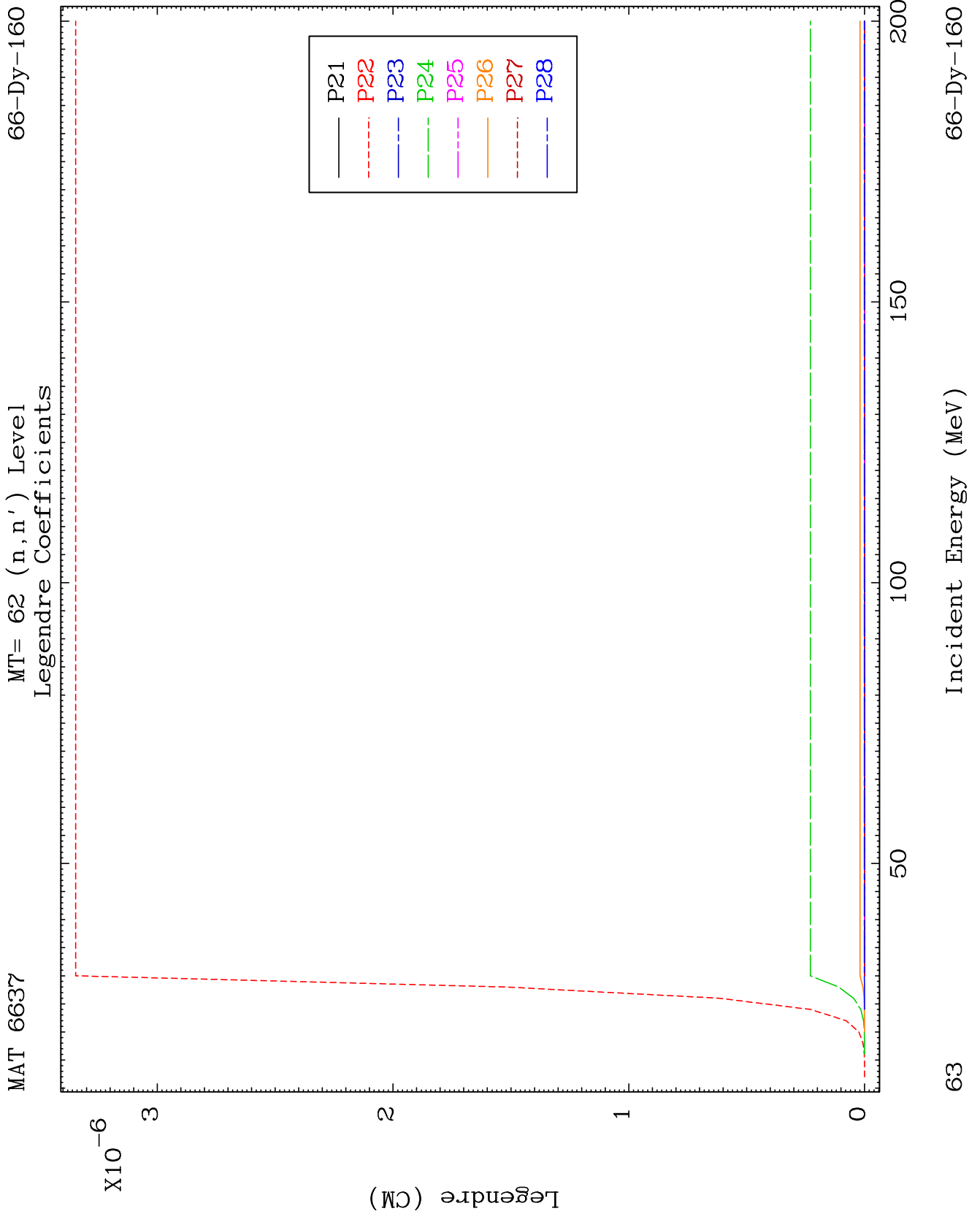
66-Dy-160



62

Incident Energy (MeV)

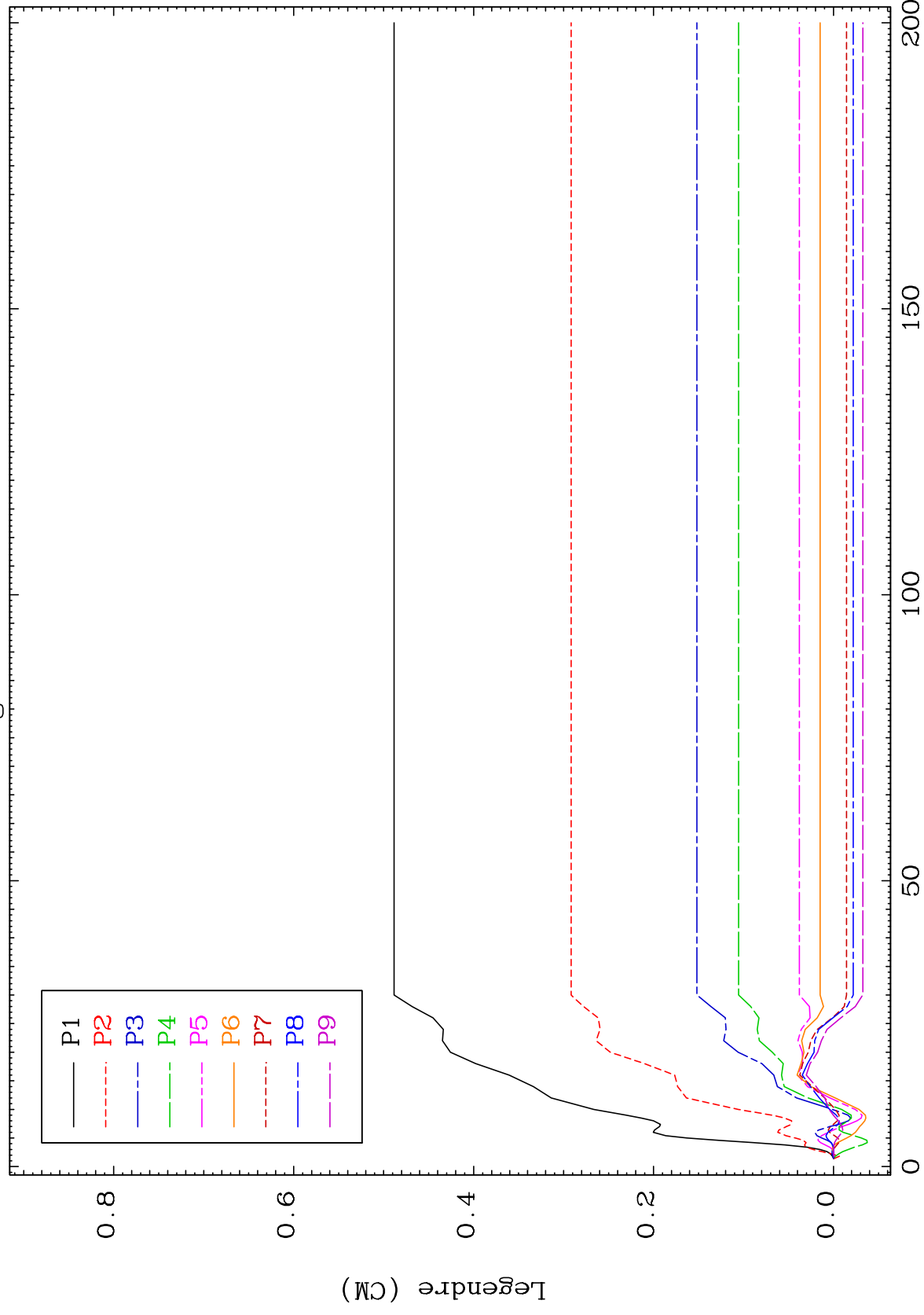
66-Dy-160



MAT 6637

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

66-Dy-160



64

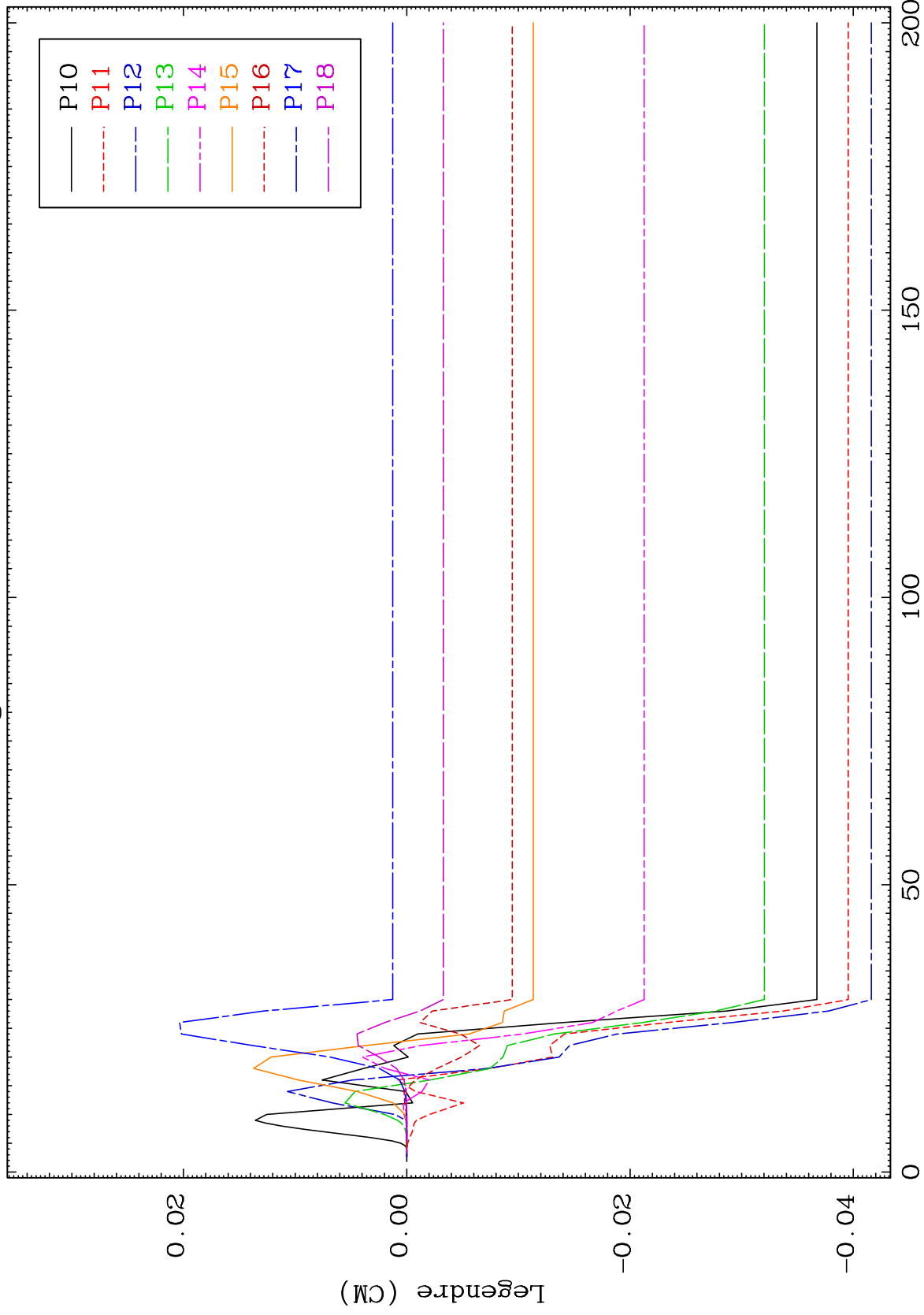
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



65

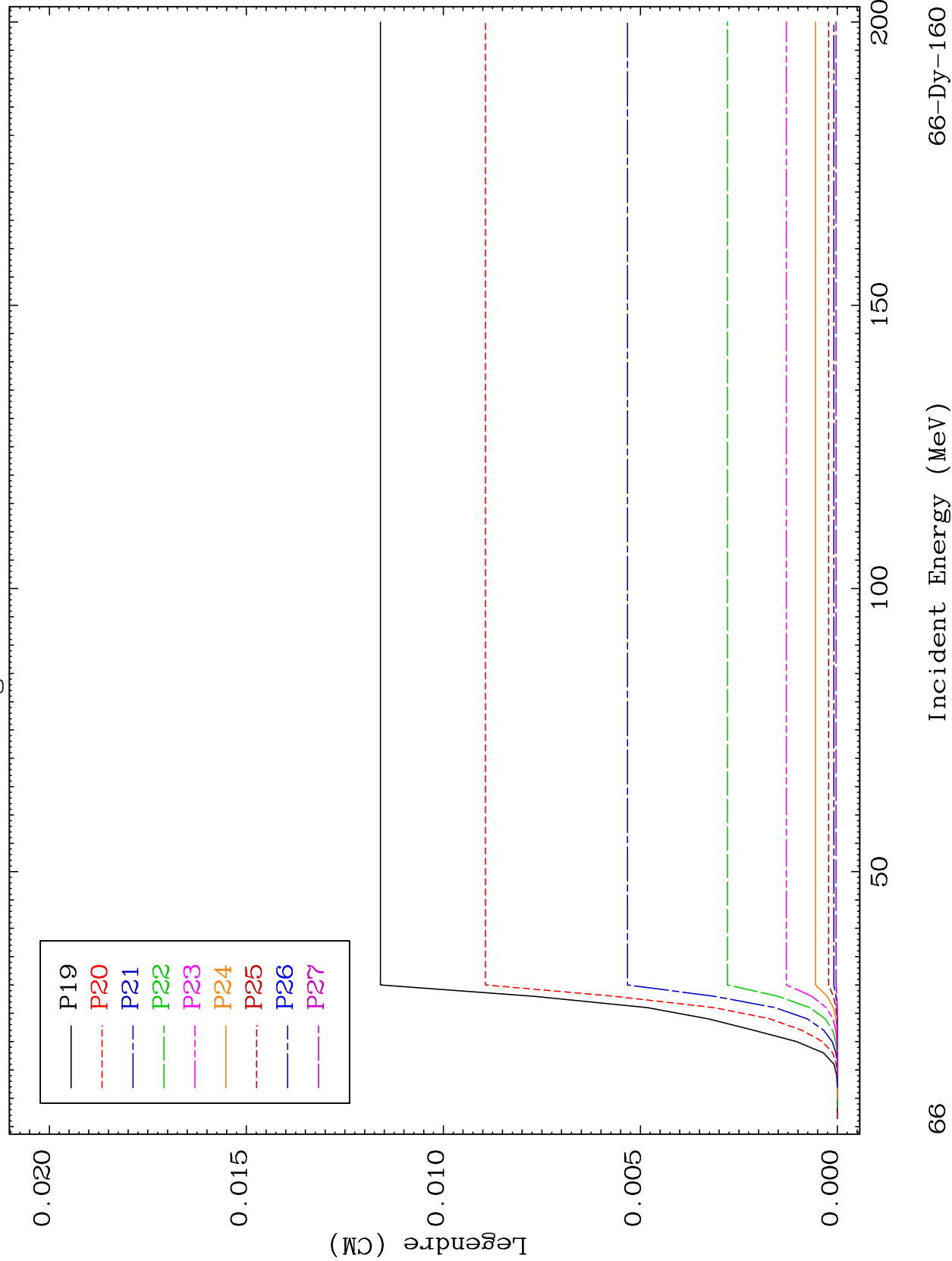
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



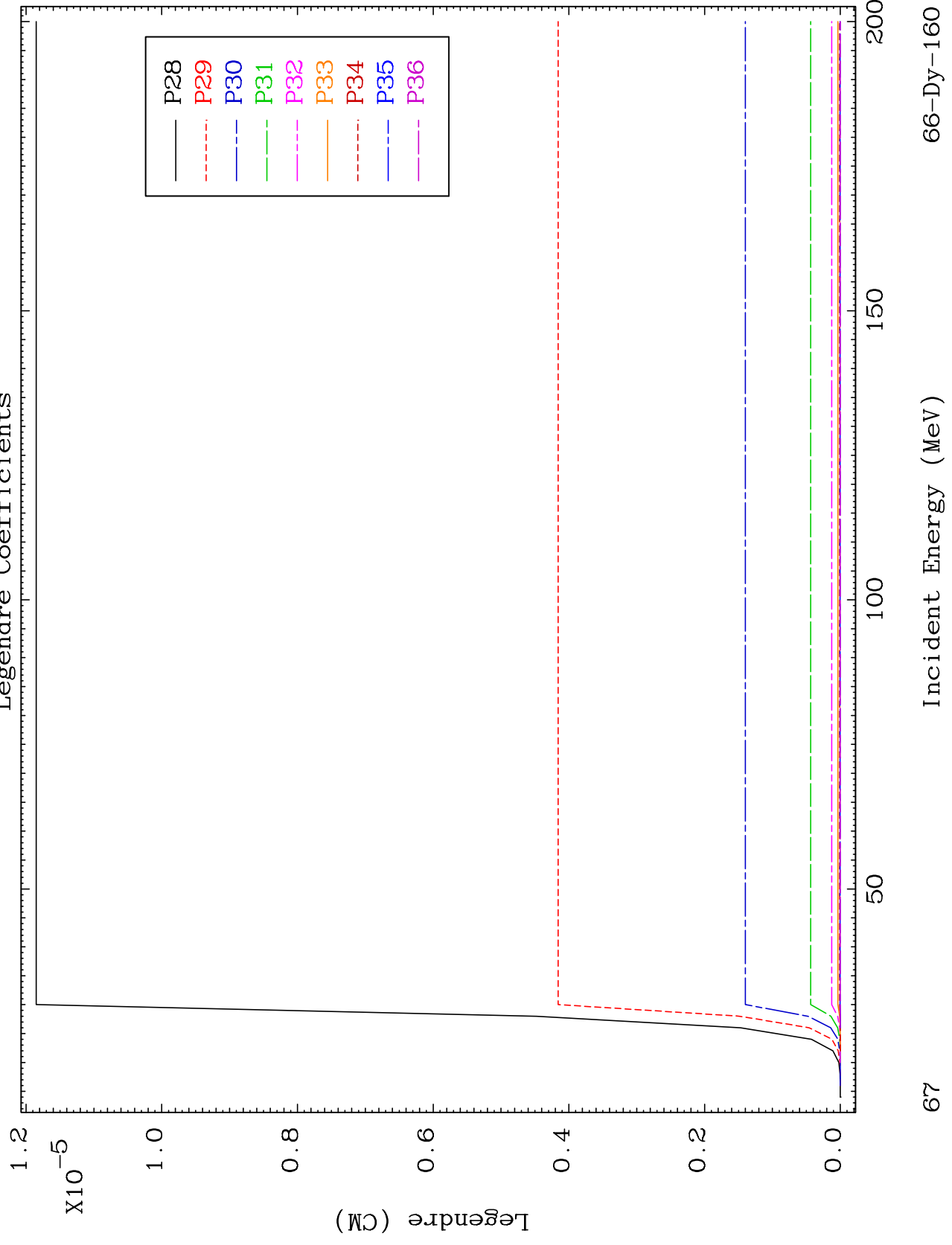
66

66-Dy-160

MAT 6637

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

66-Dy-160



66-Dy-160

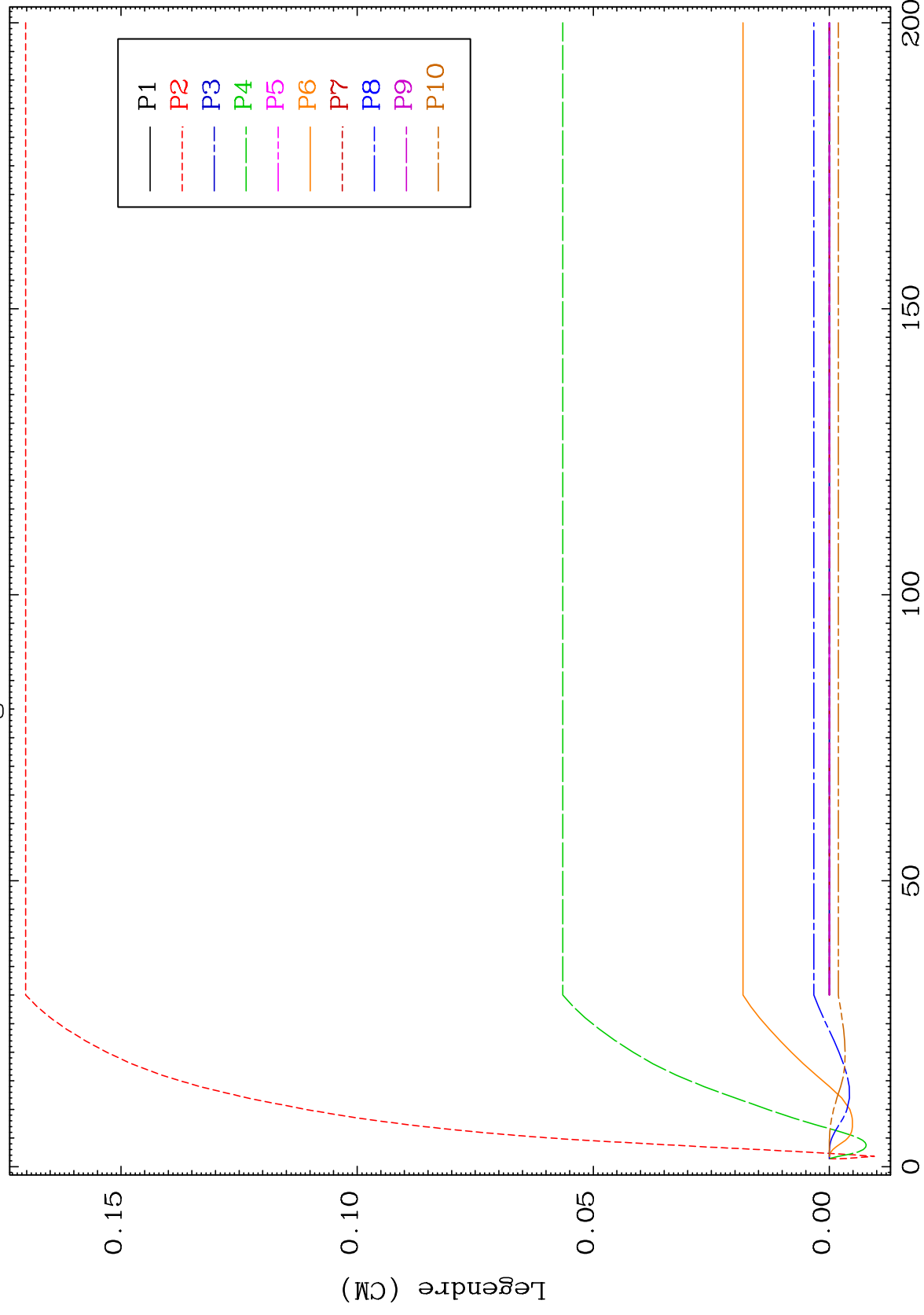
Incident Energy (MeV)

67

MAT 6637

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

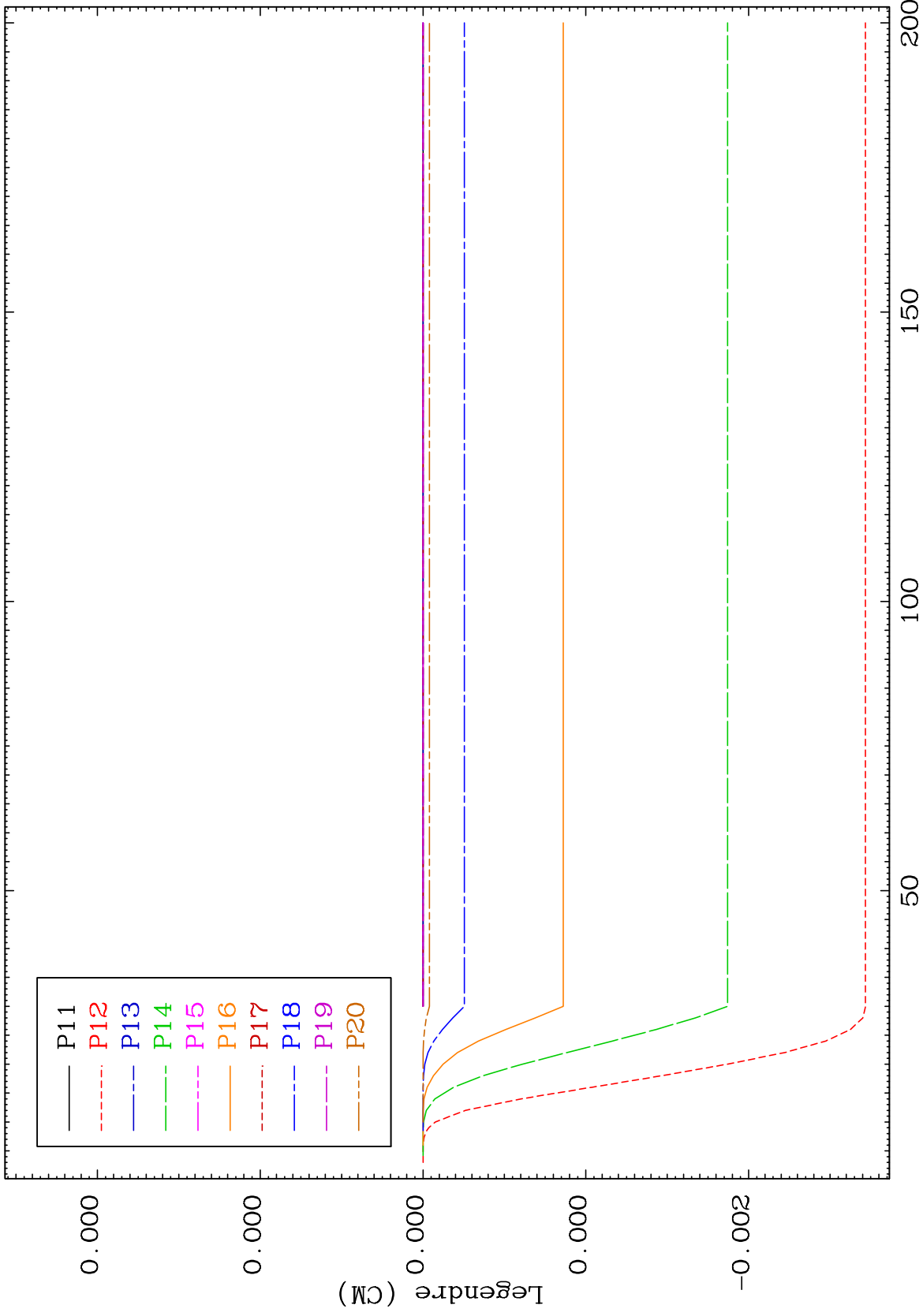
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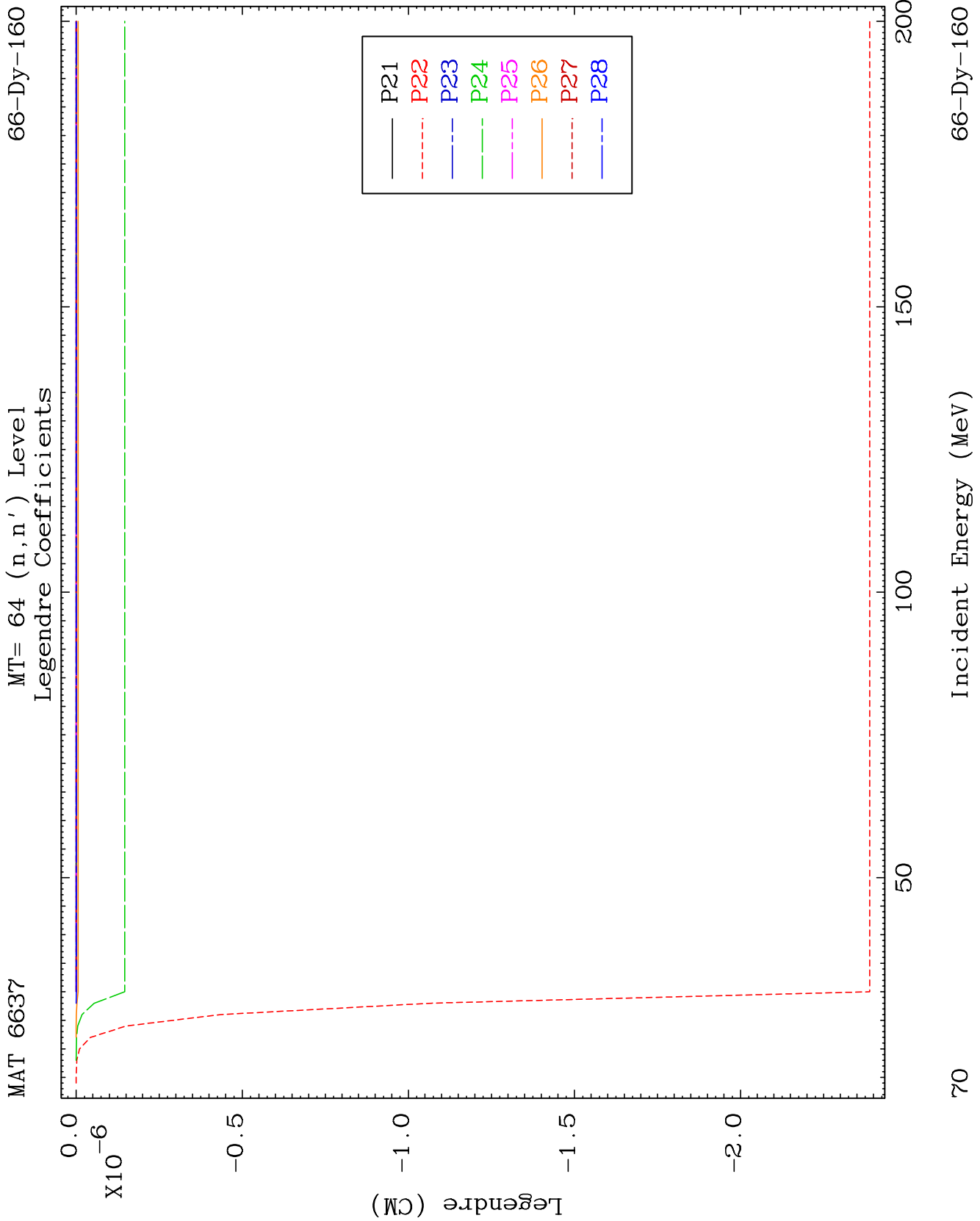


66-Dy-160

Incident Energy (MeV)

68

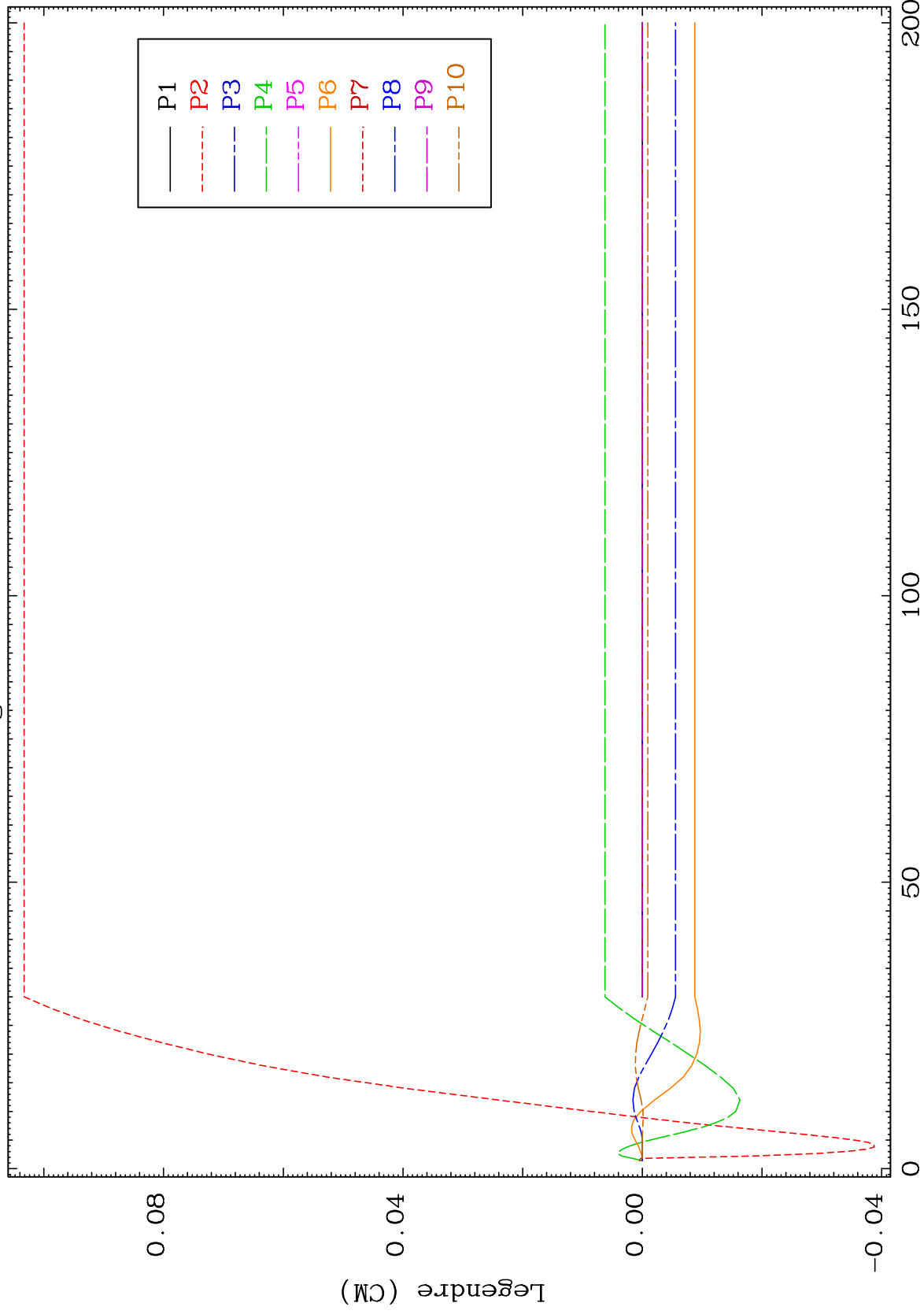




MAT 6637

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

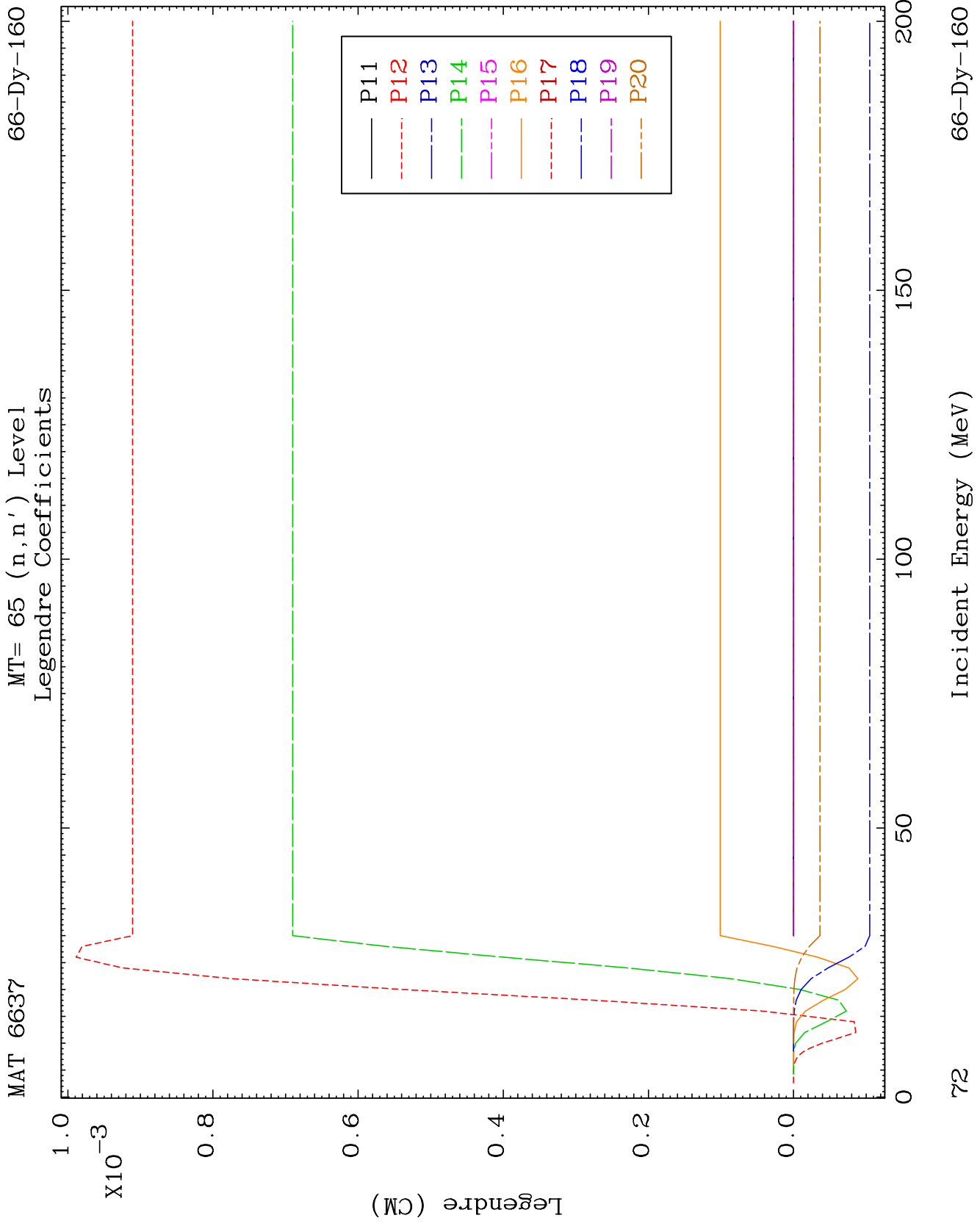
66-Dy-160

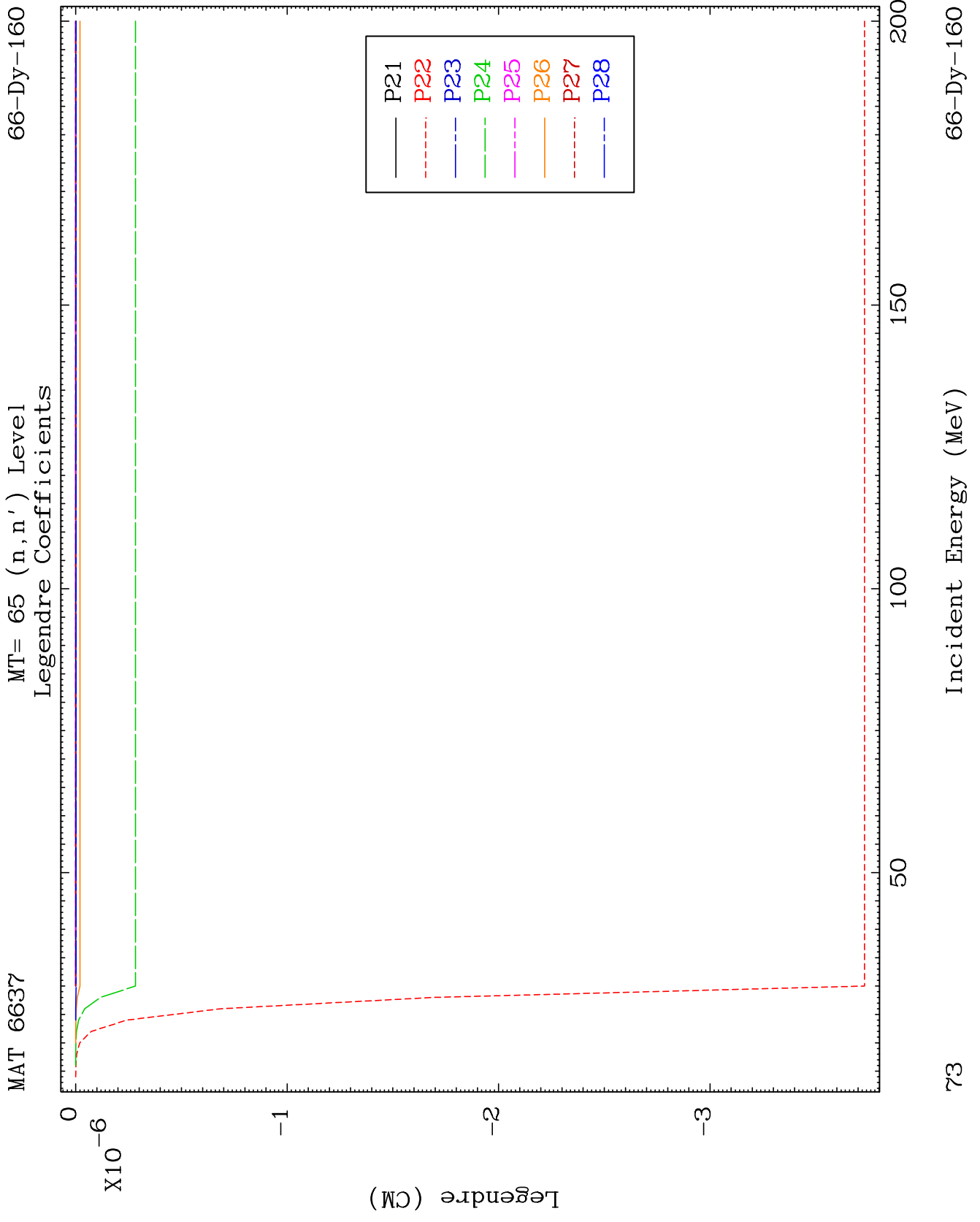


71

Incident Energy (MeV)

66-Dy-160

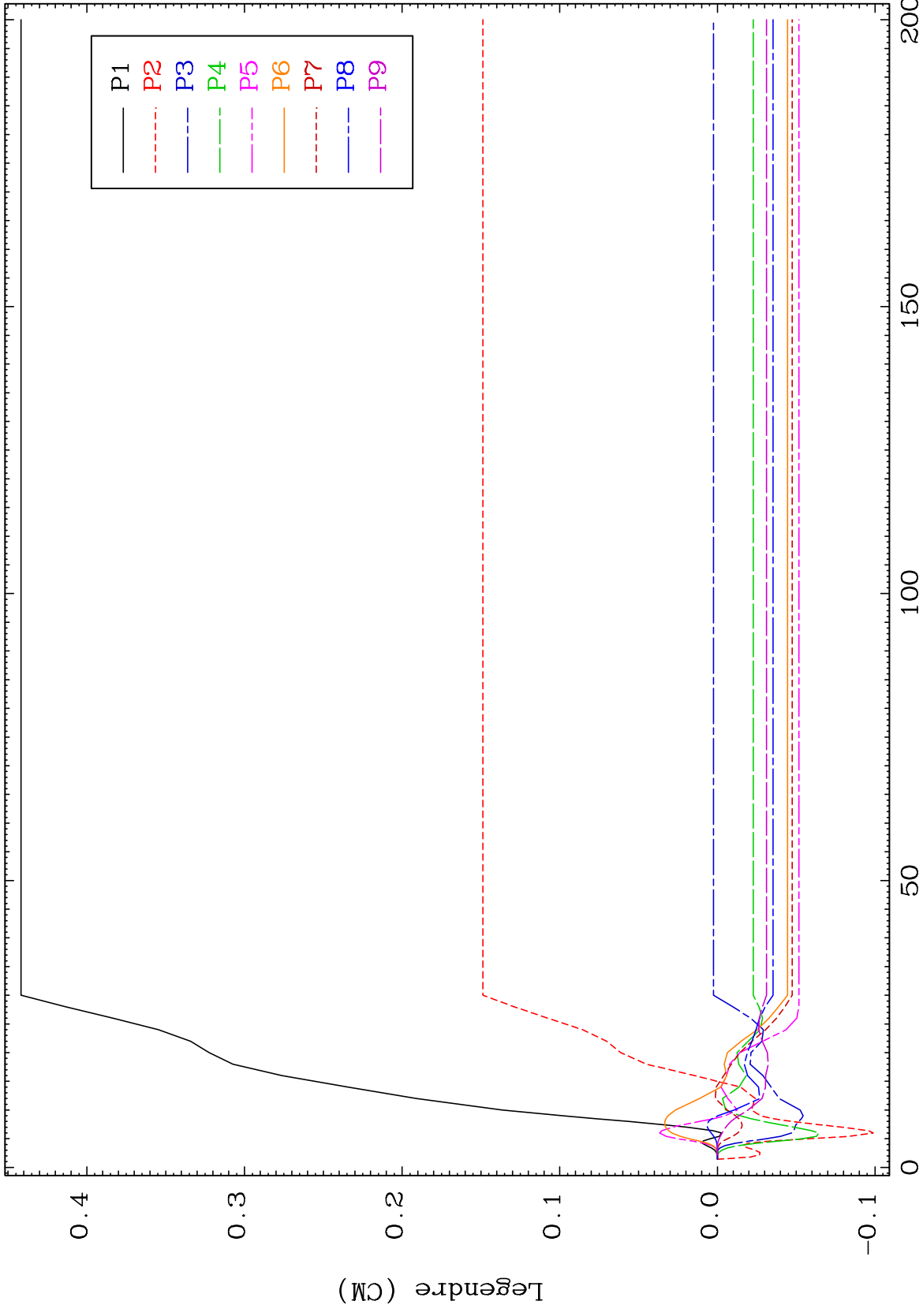




MAT 6637

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

66-Dy-160



74

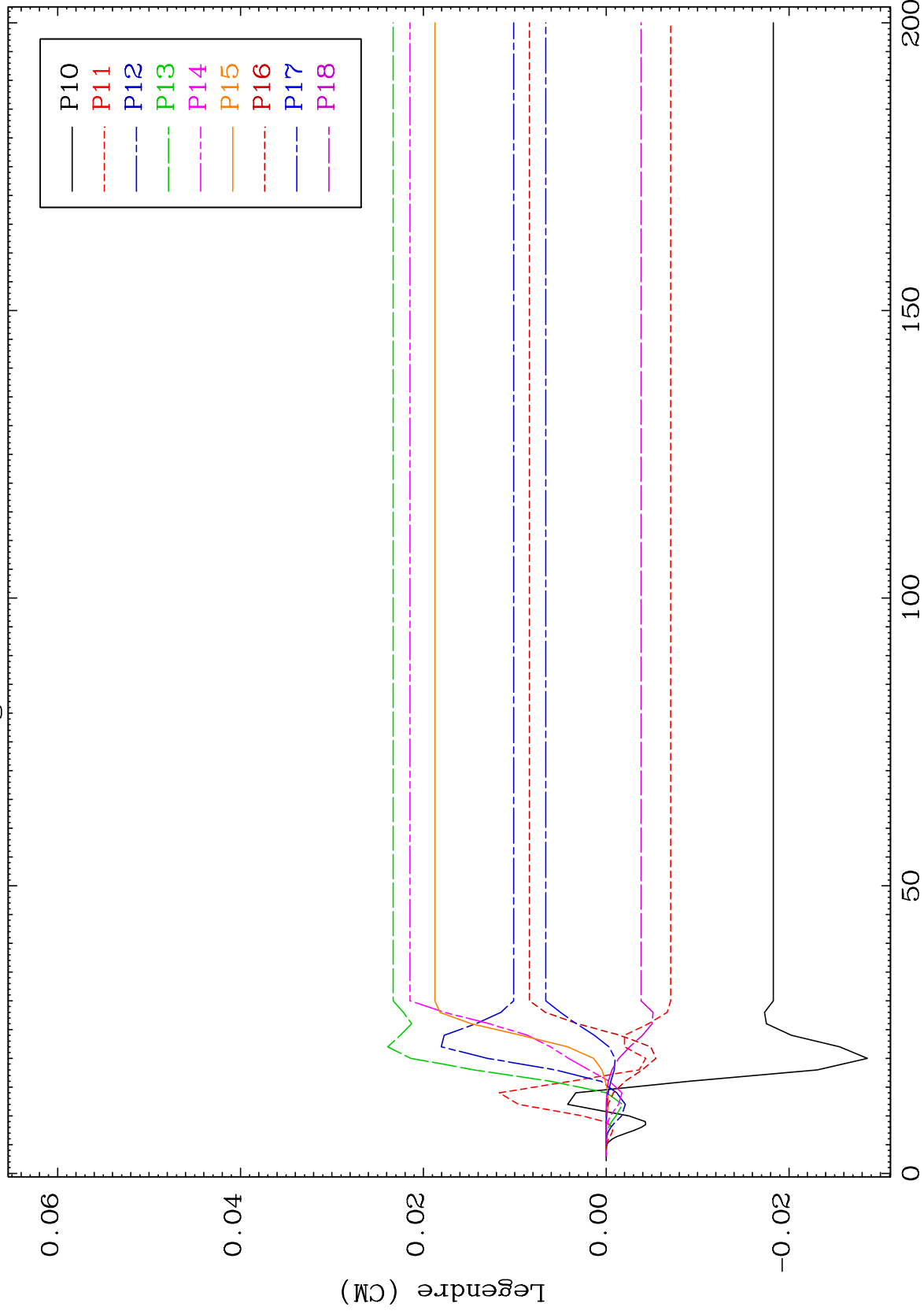
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



75

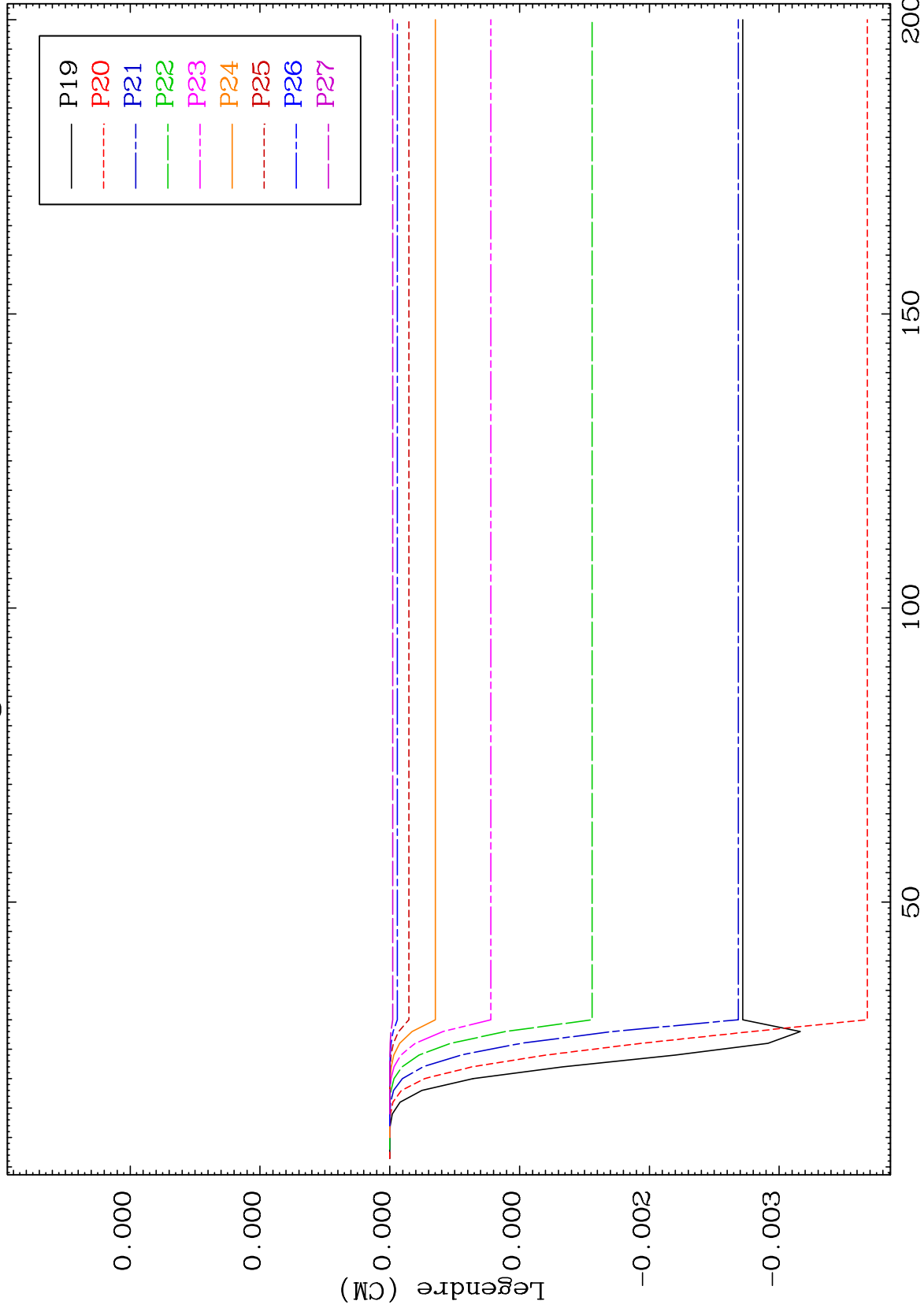
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

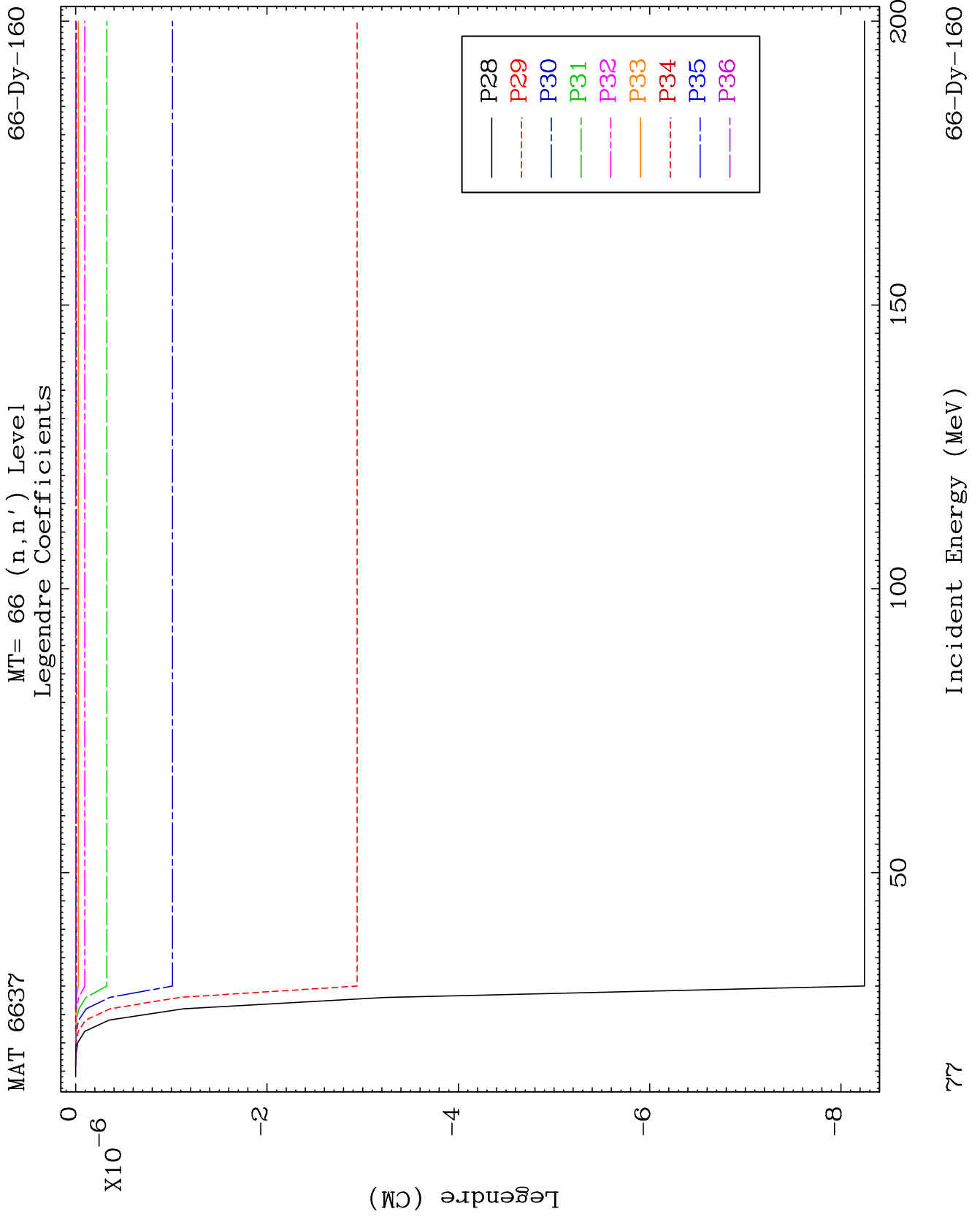
66-Dy-160



76

Incident Energy (MeV)

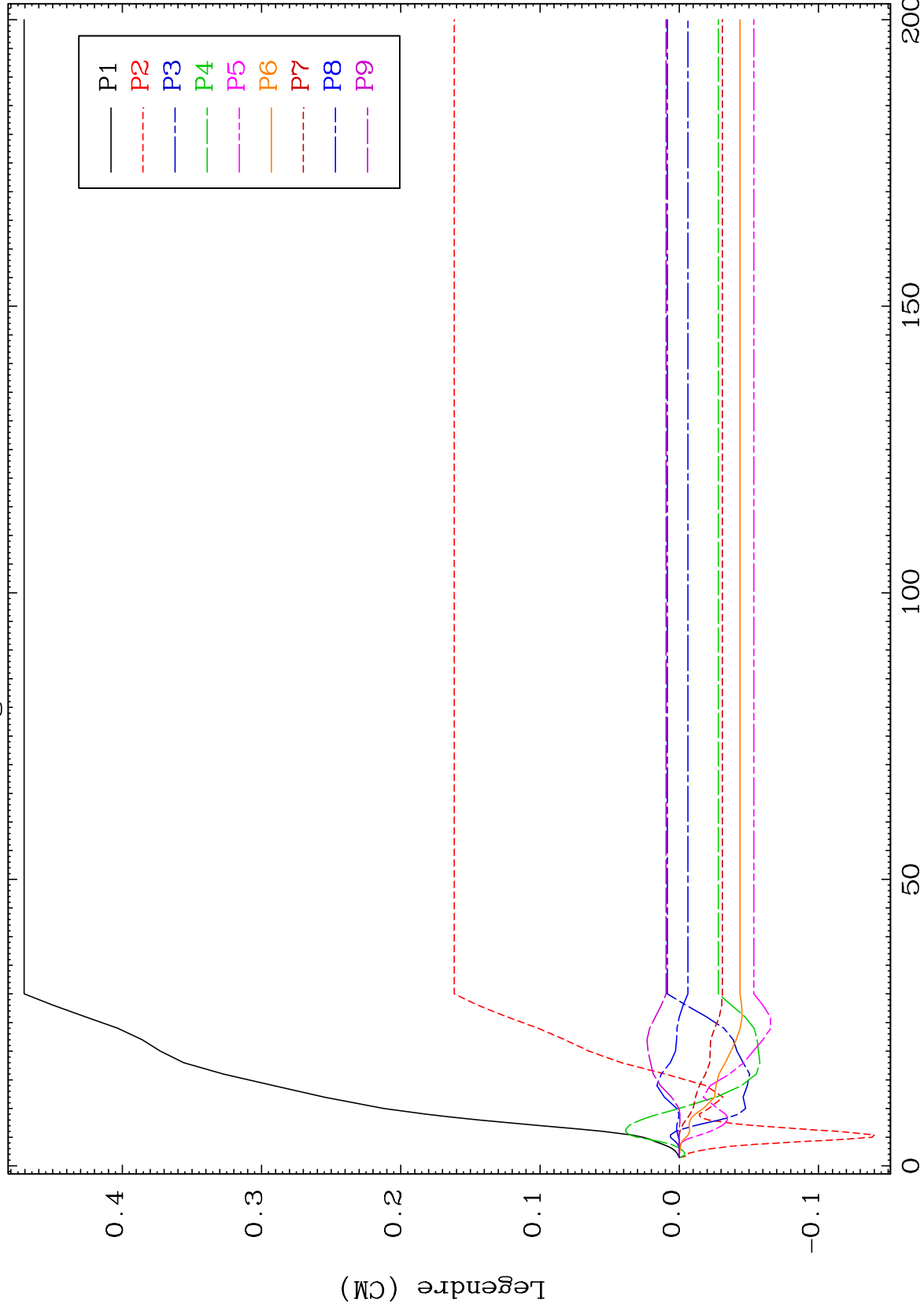
66-Dy-160



MAT 6637

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

66-Dy-160



78

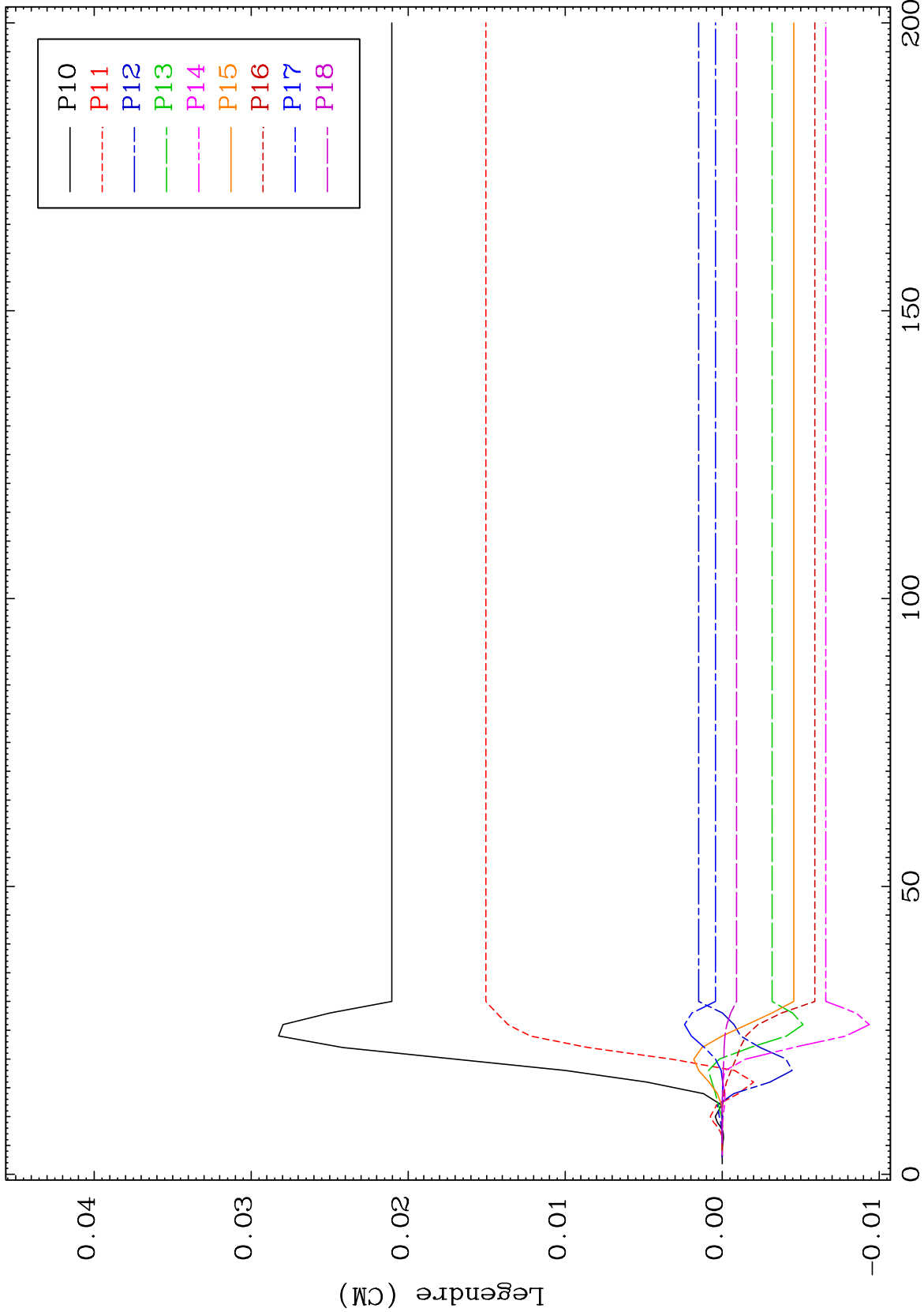
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



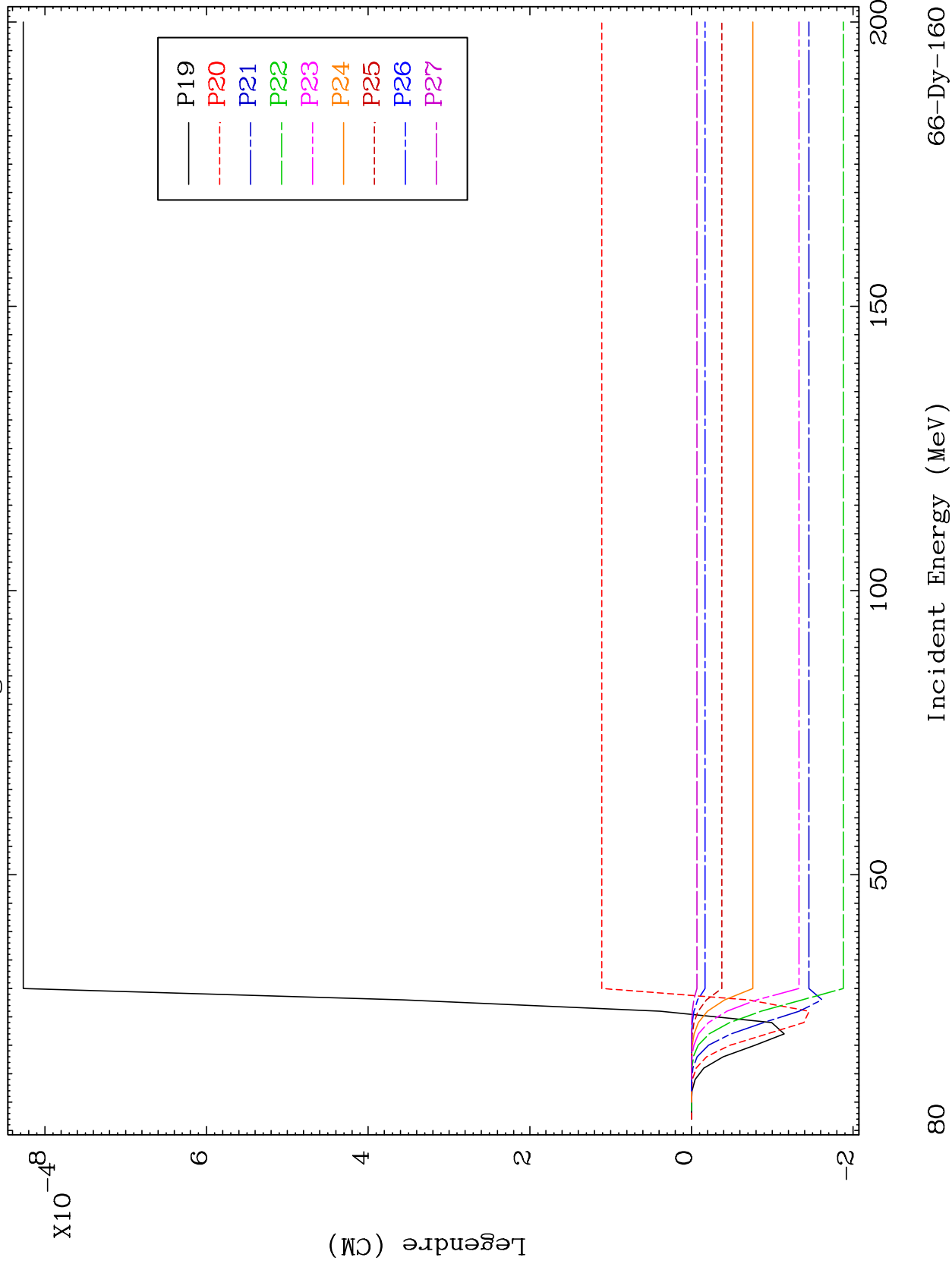
79

66-Dy-160

MAT 6637

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

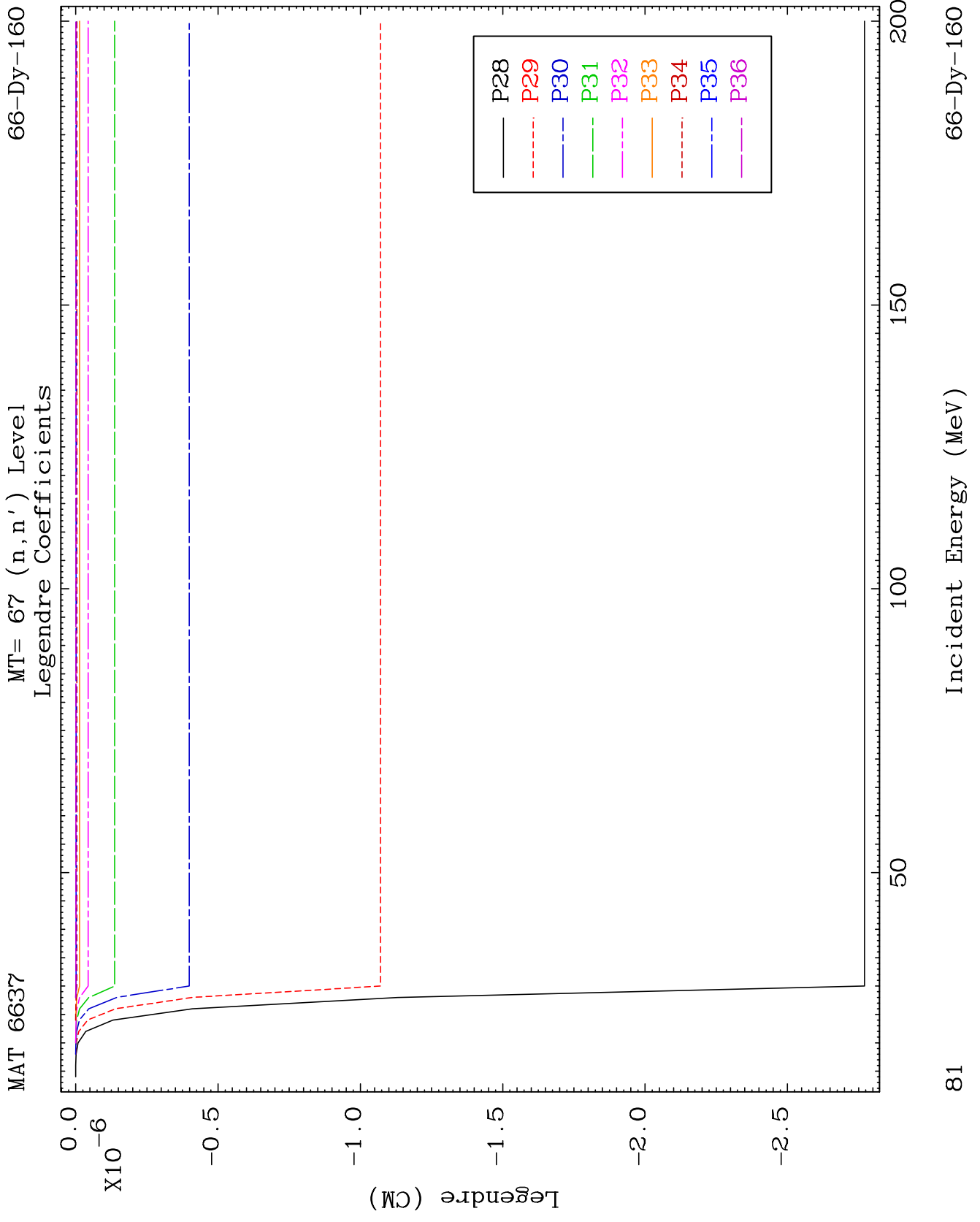
66-Dy-160



80

Incident Energy (MeV)

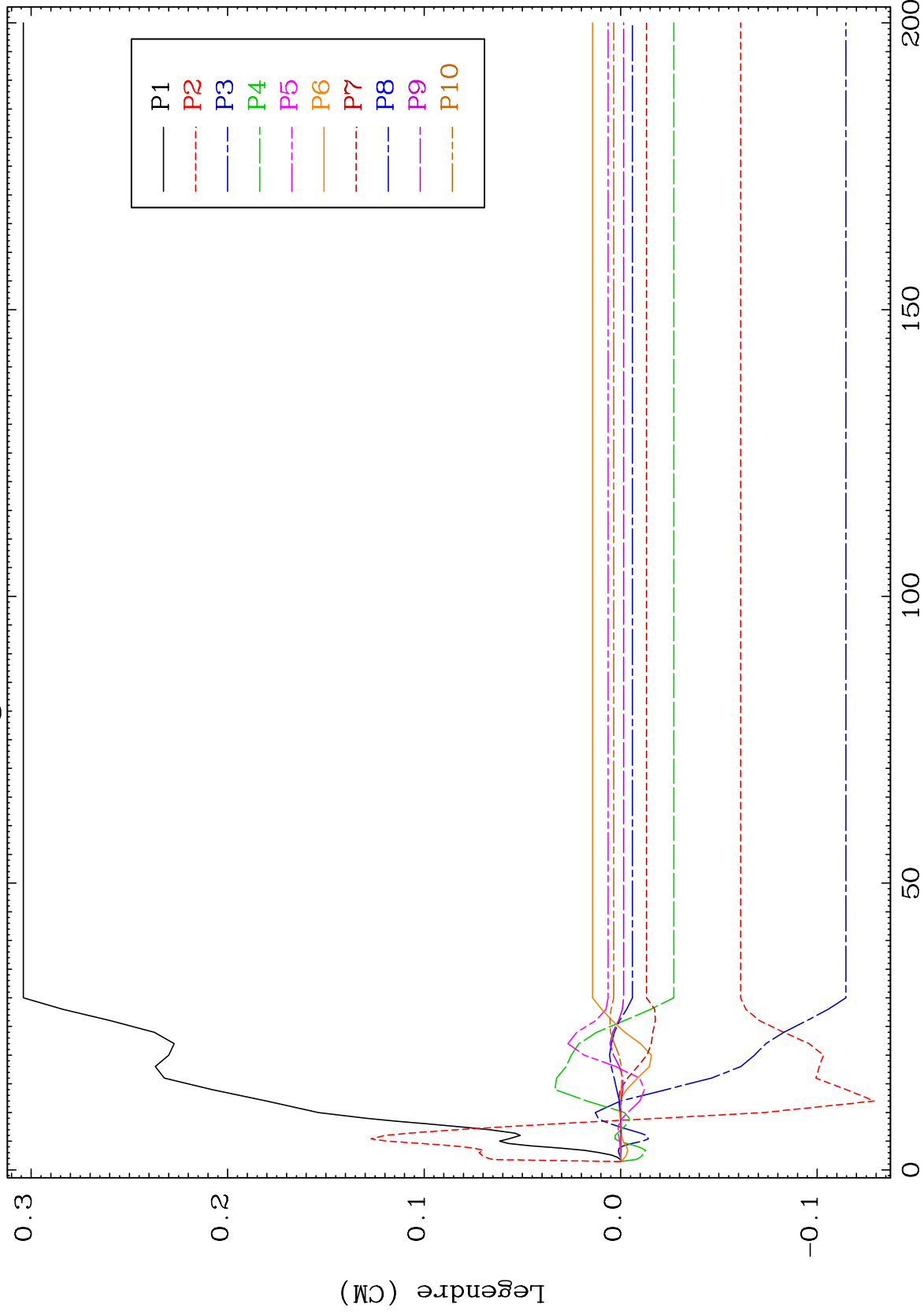
66-Dy-160



MAT 6637

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

66-Dy-160



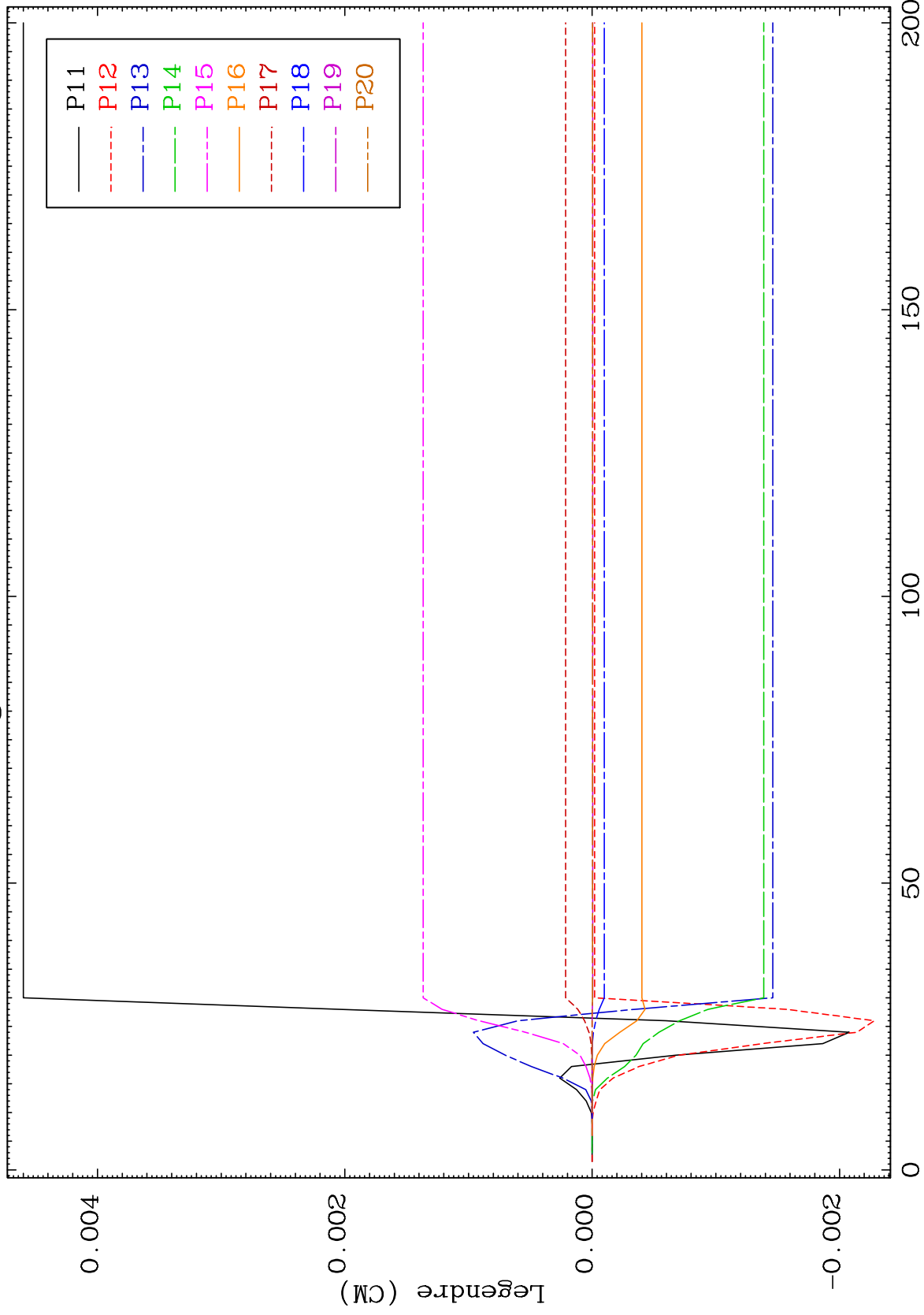
82

66-Dy-160

MAT 6637

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

66-Dy-160



83

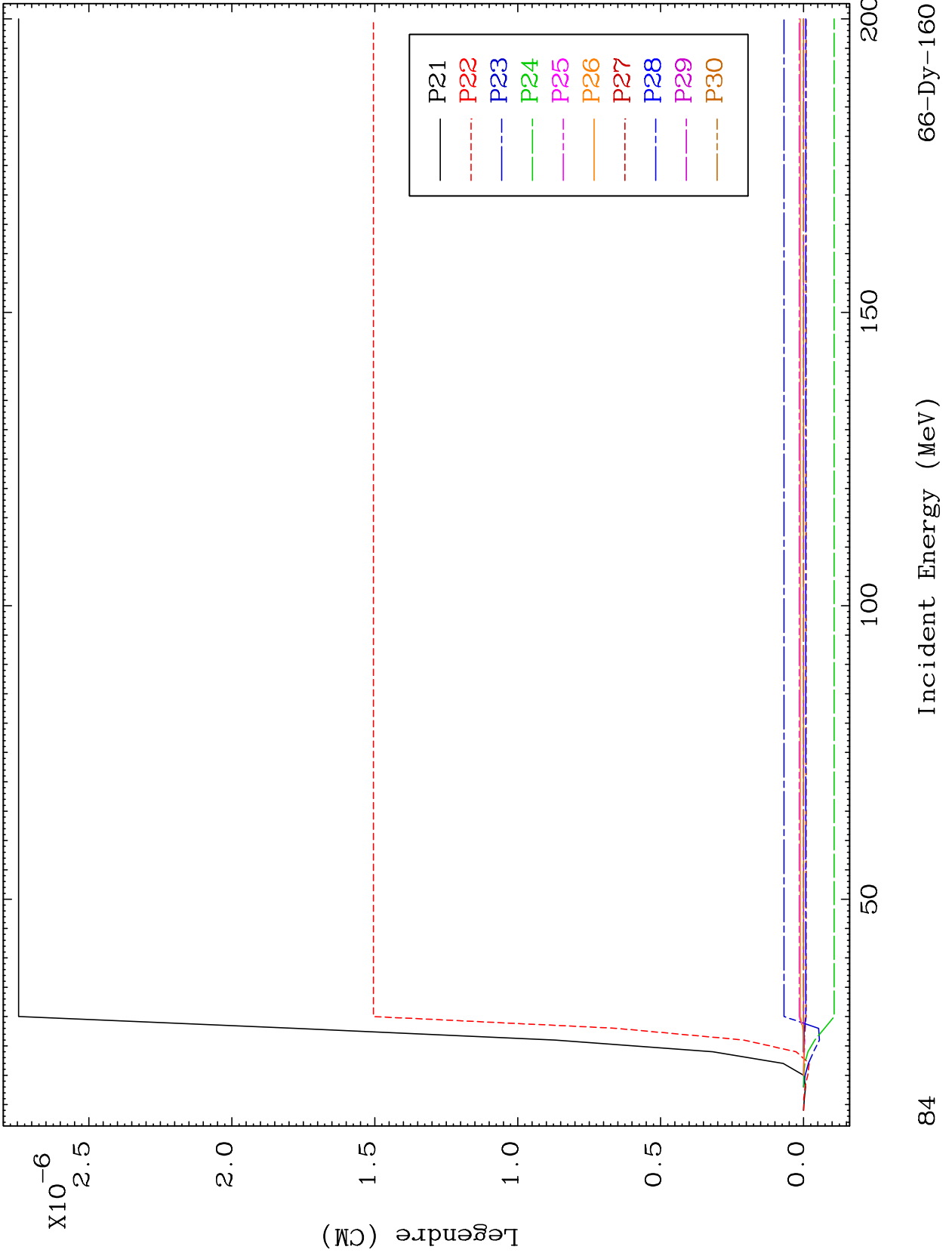
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

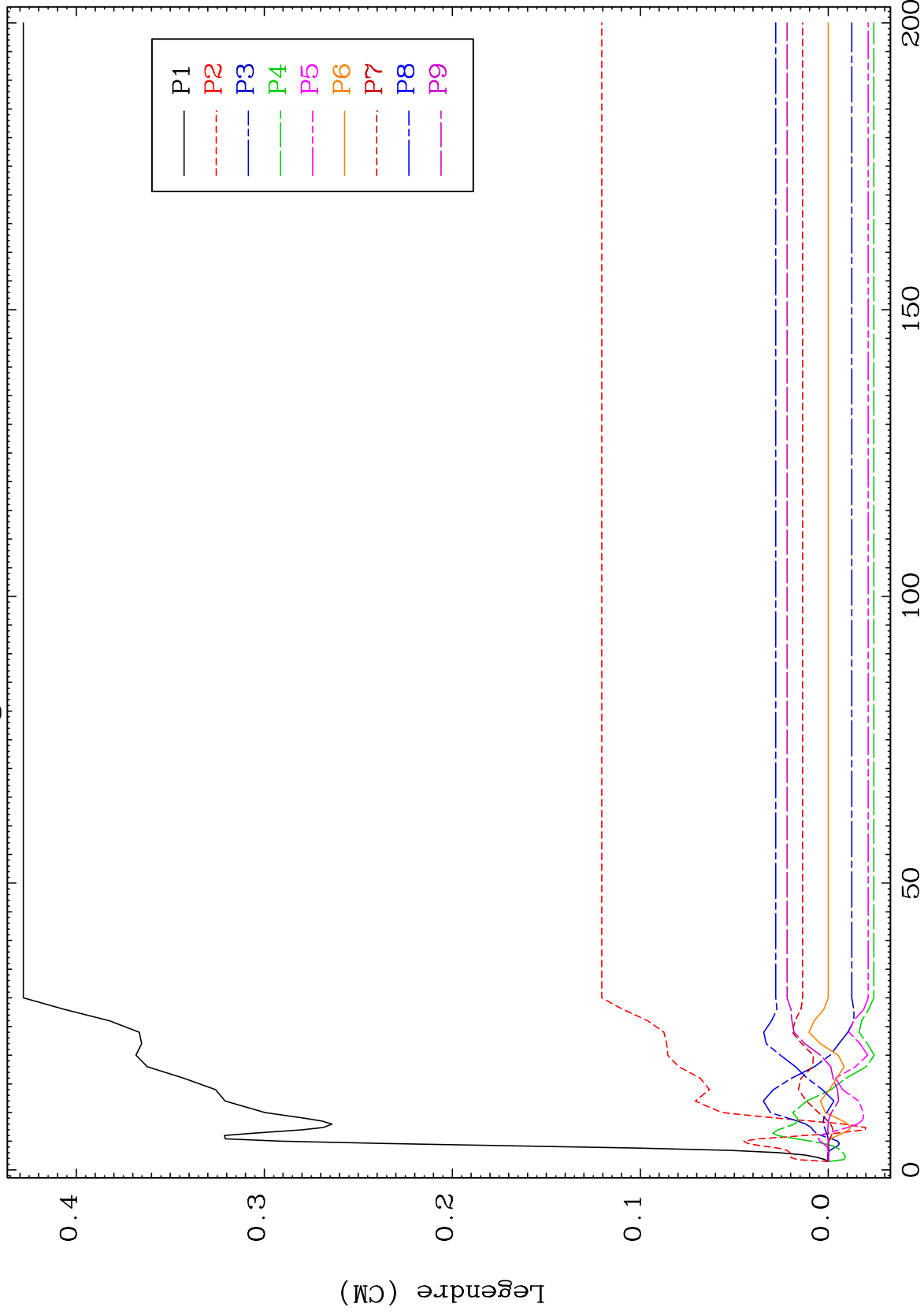
66-Dy-160



MAT 6637

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

66-Dy-160



85

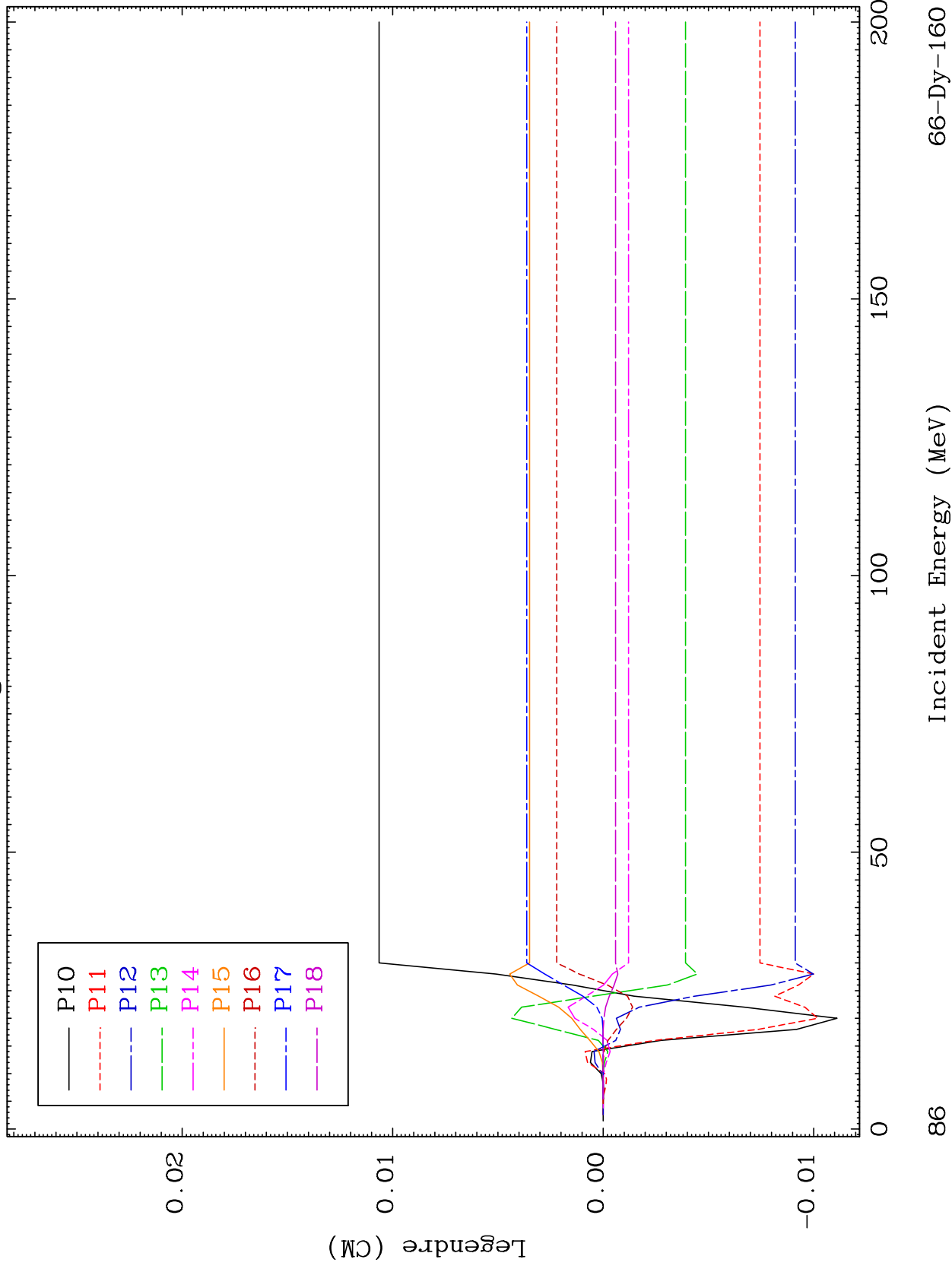
Incident Energy (MeV)

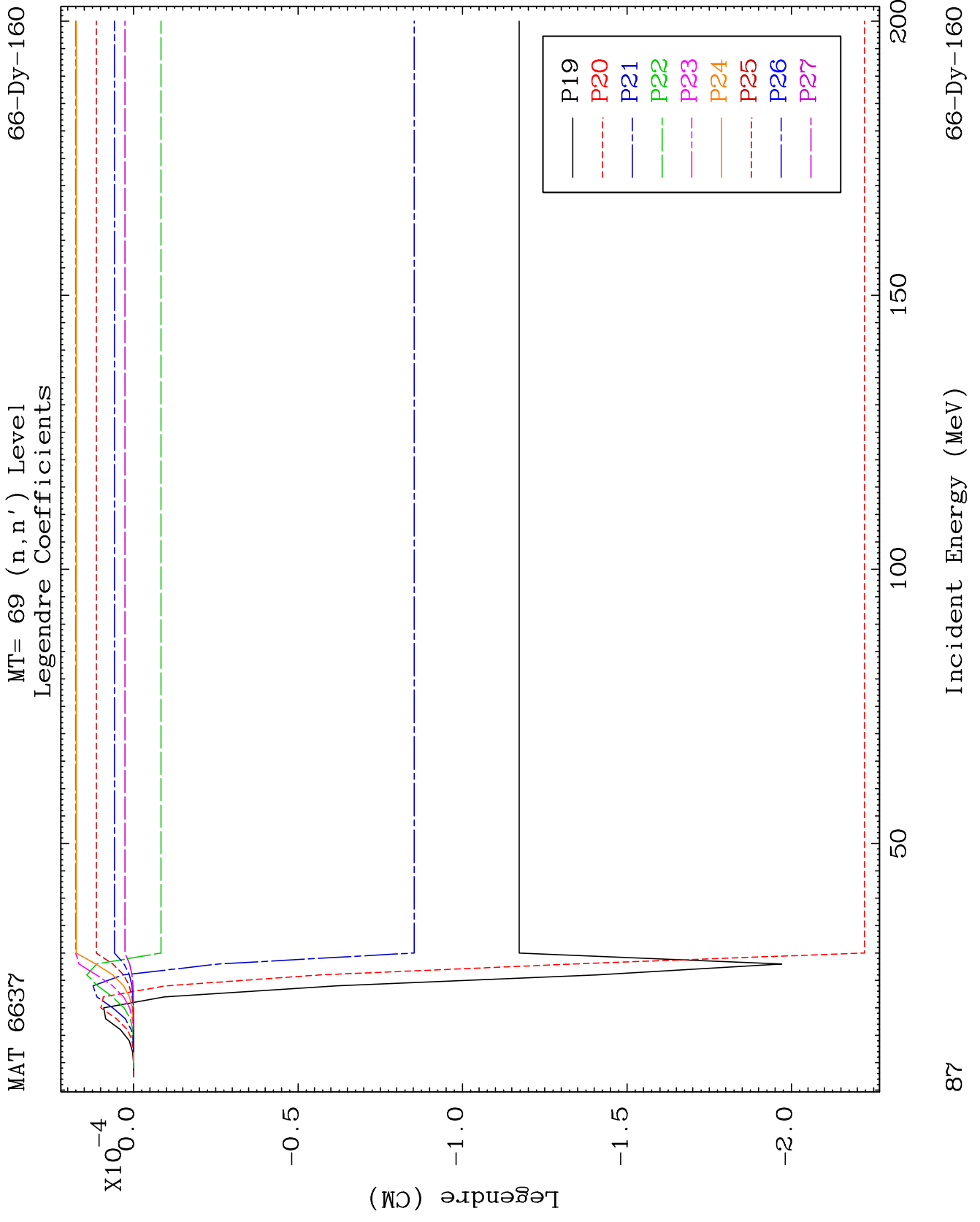
66-Dy-160

MAT 6637

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

66-Dy-160

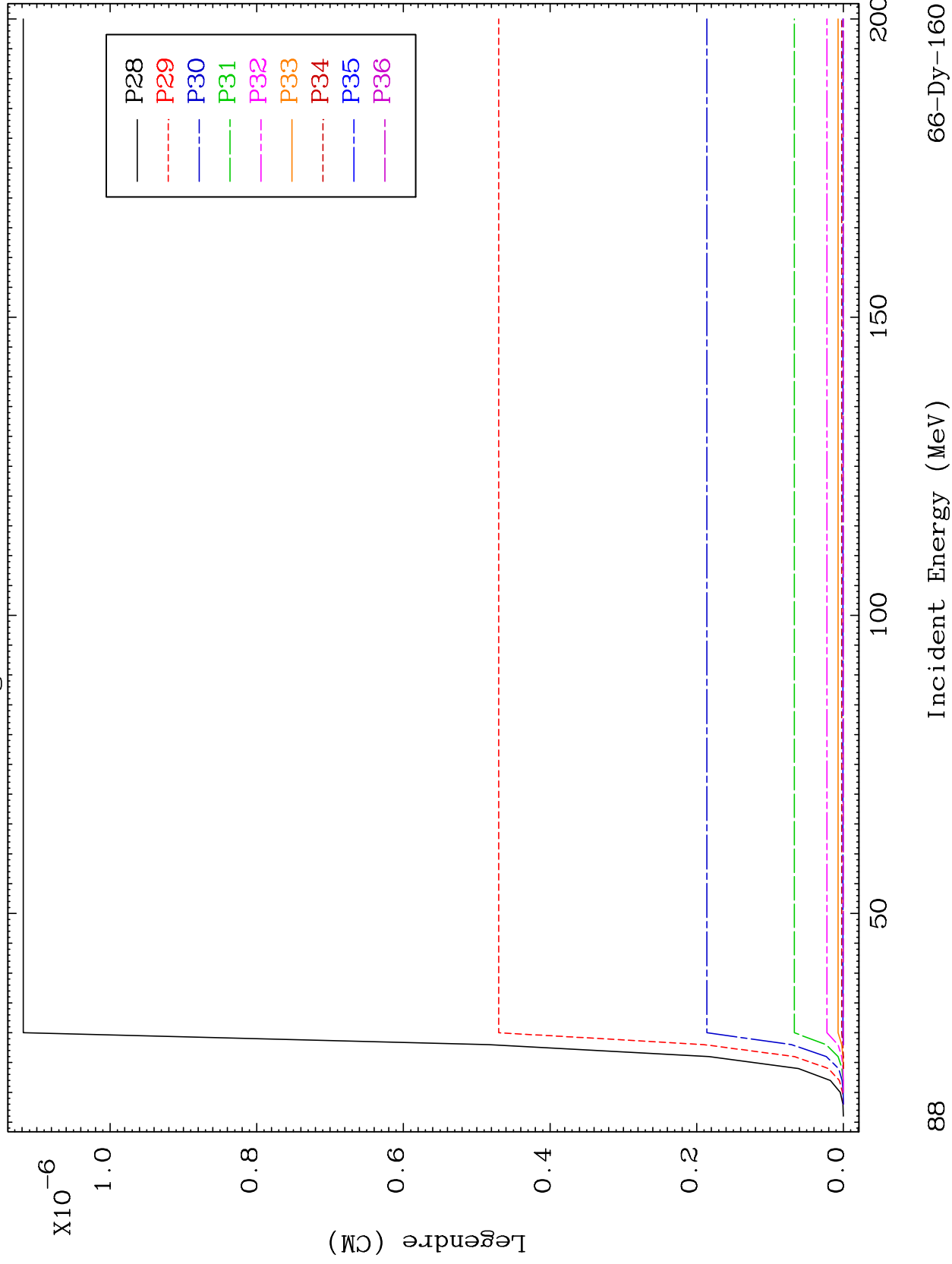




MAT 6637

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

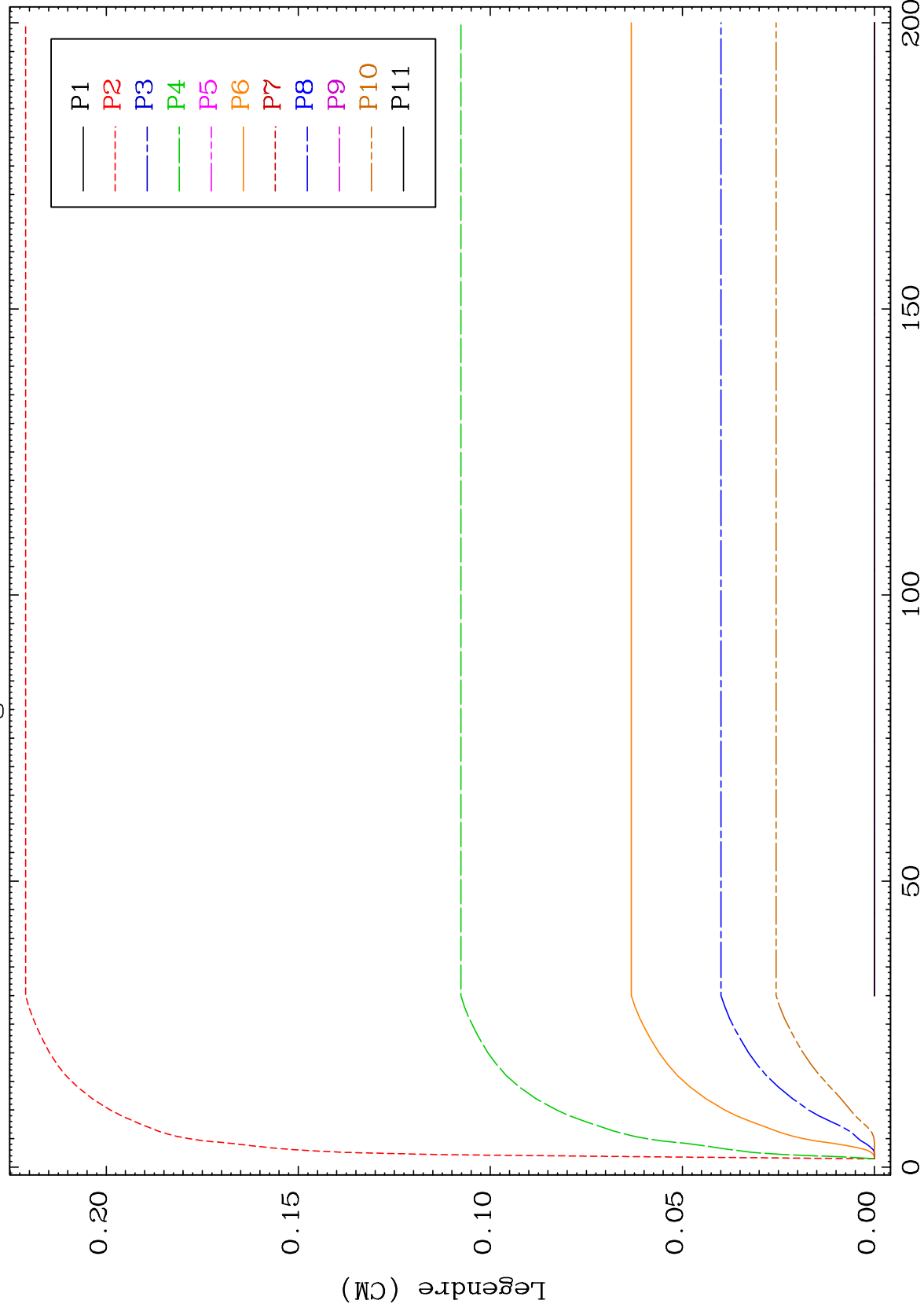
66-Dy-160



MAT 6637

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

66-Dy-160



89

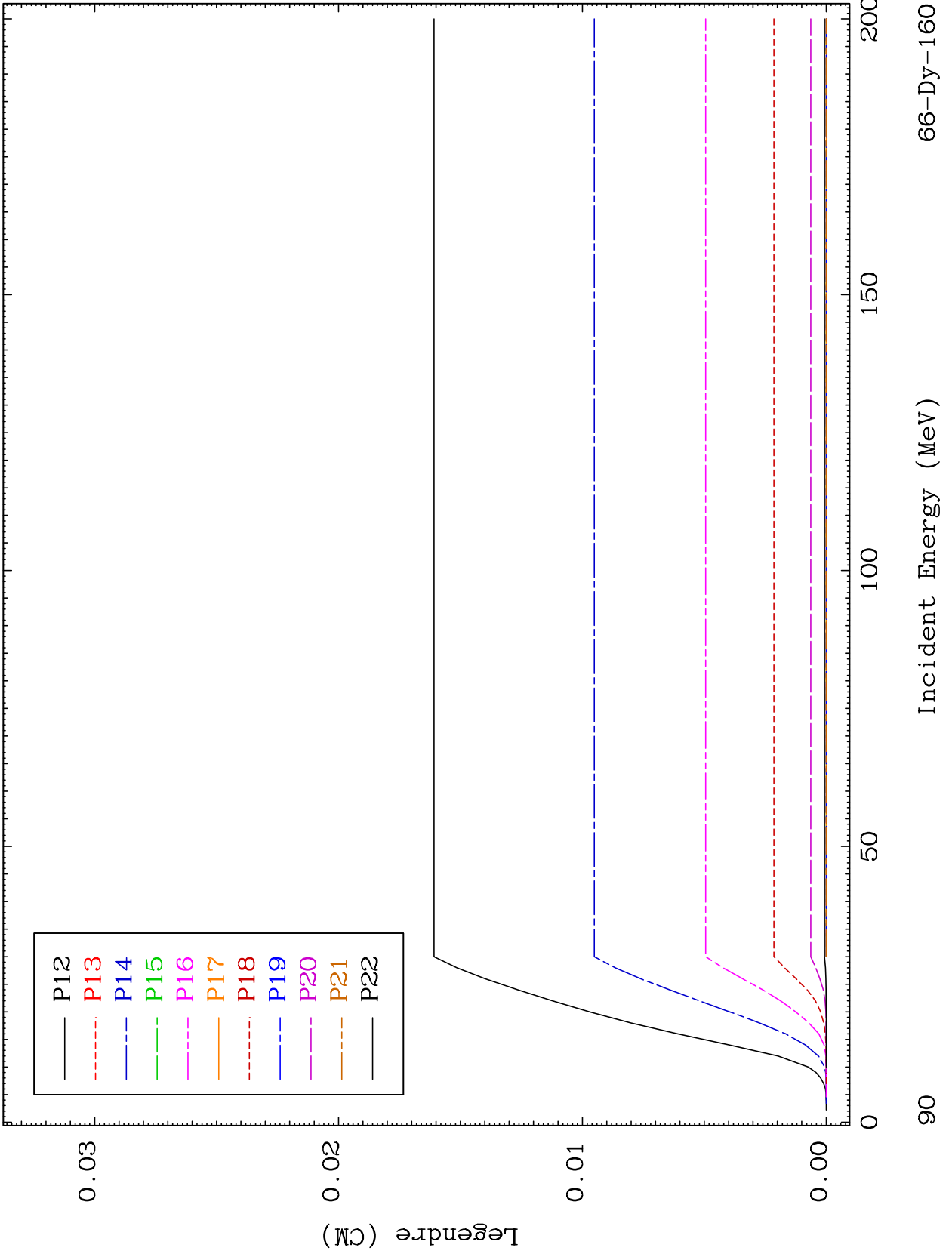
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



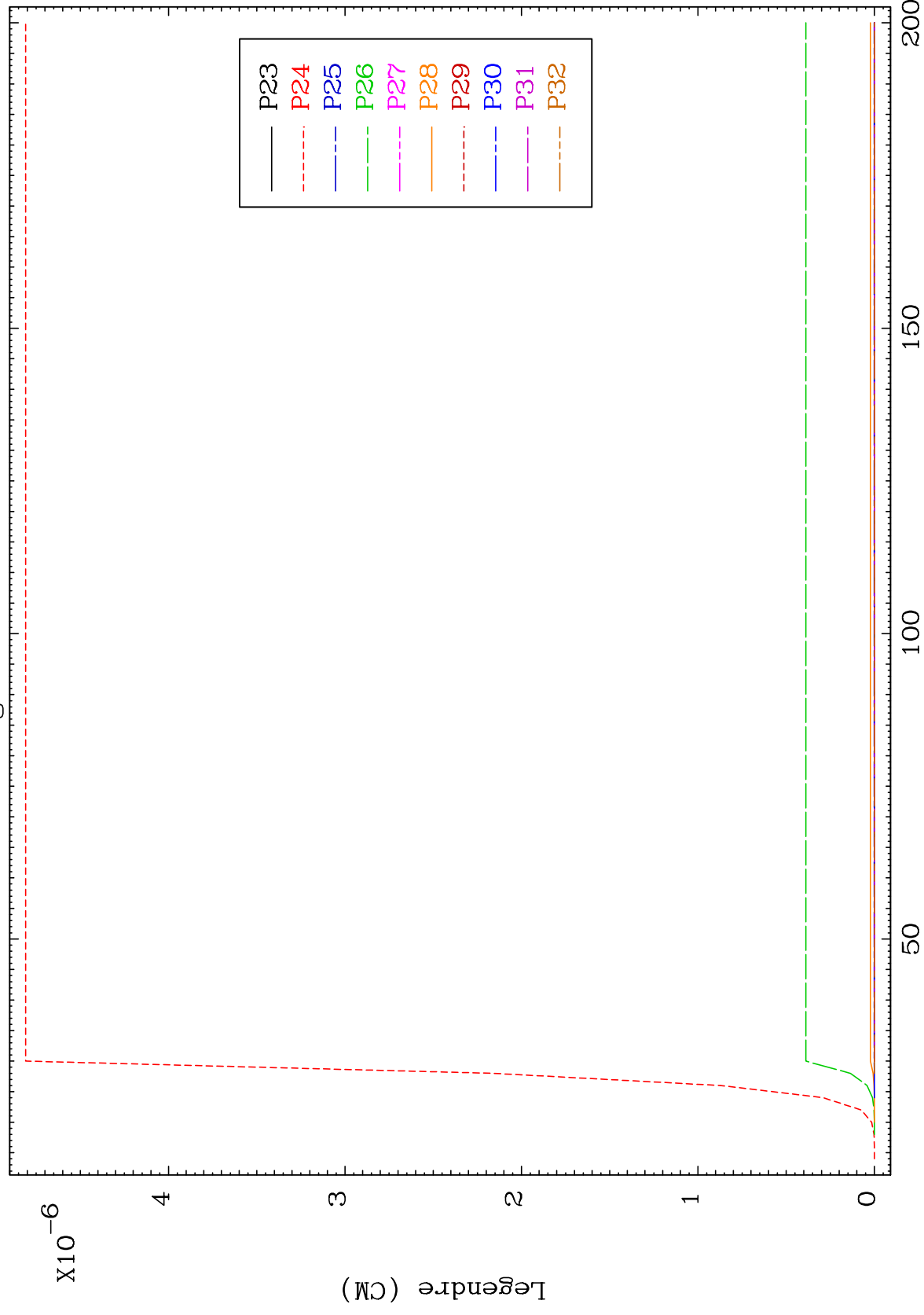
66-Dy-160

Incident Energy (MeV)

MAT 6637

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

66-Dy-160



91

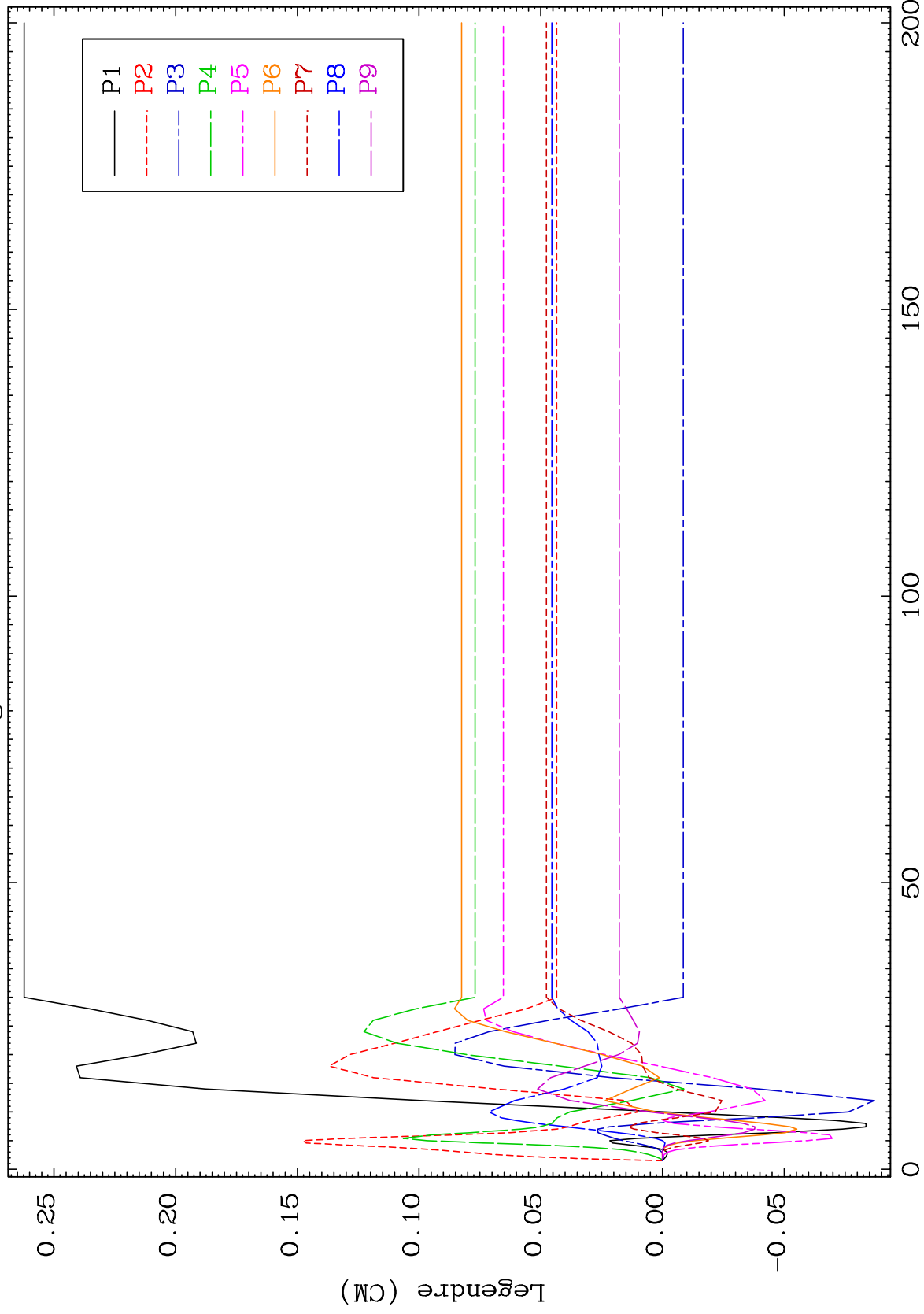
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

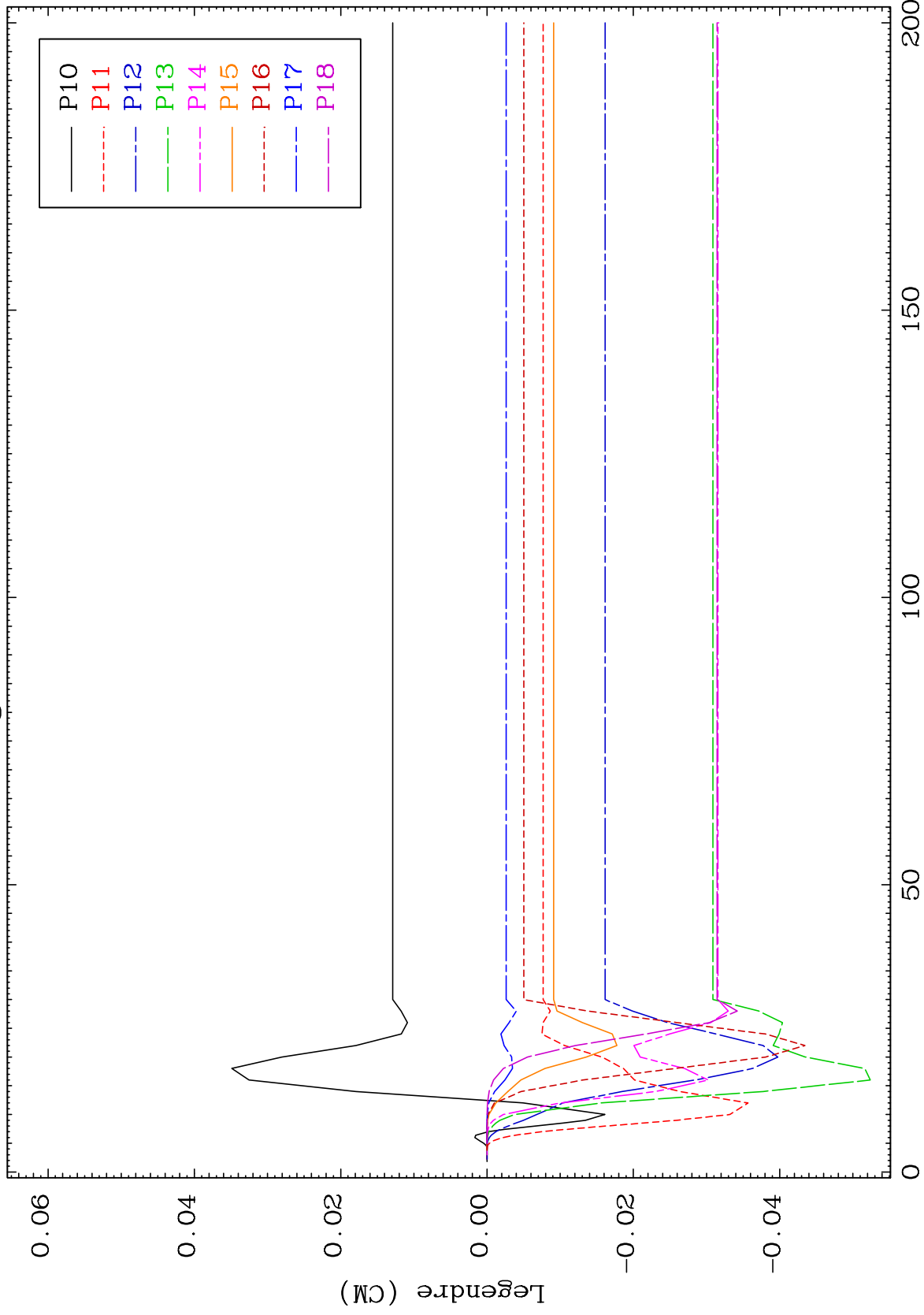
66-Dy-160



MAT 6637

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

66-Dy-160



93

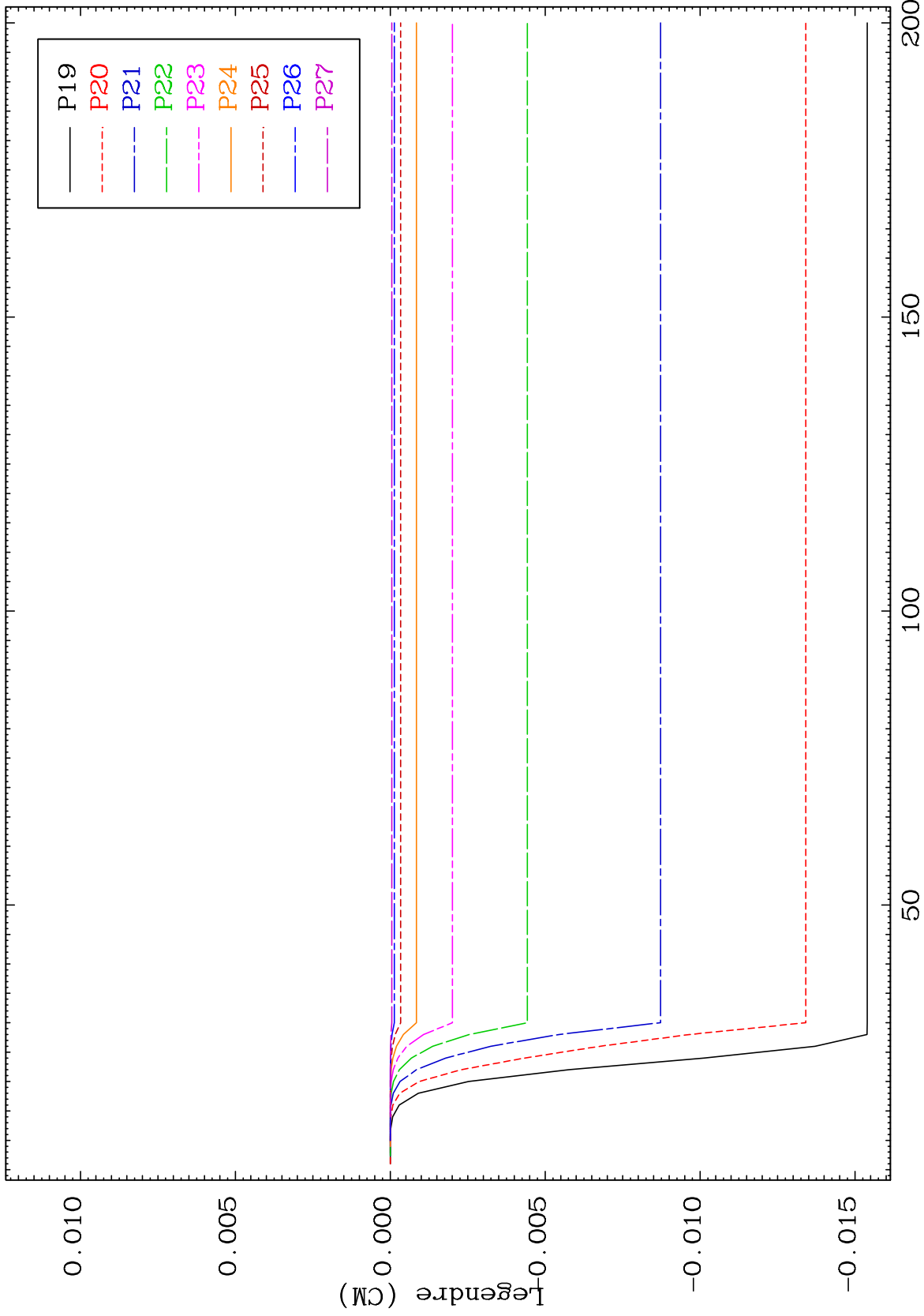
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

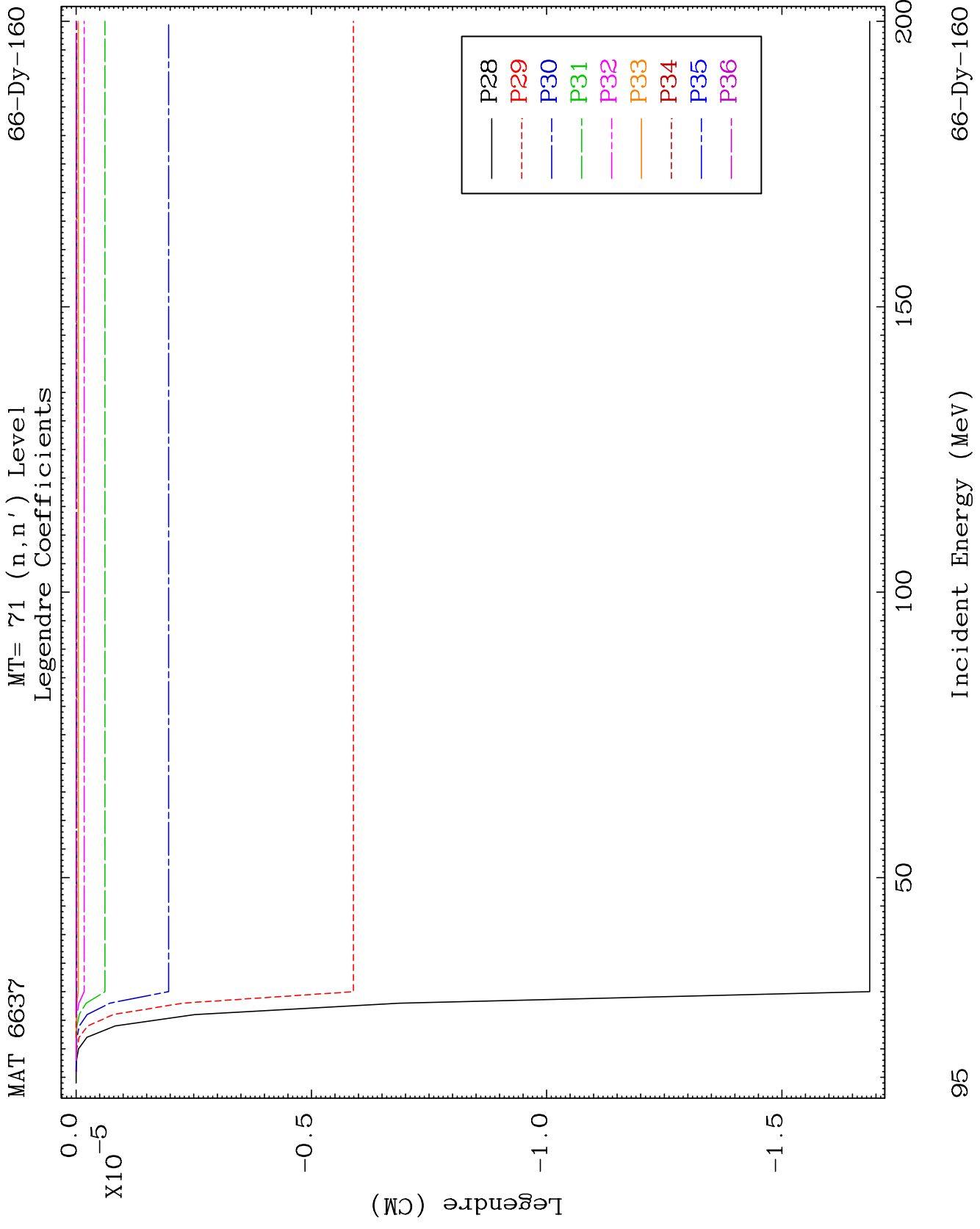
66-Dy-160



94

Incident Energy (MeV)

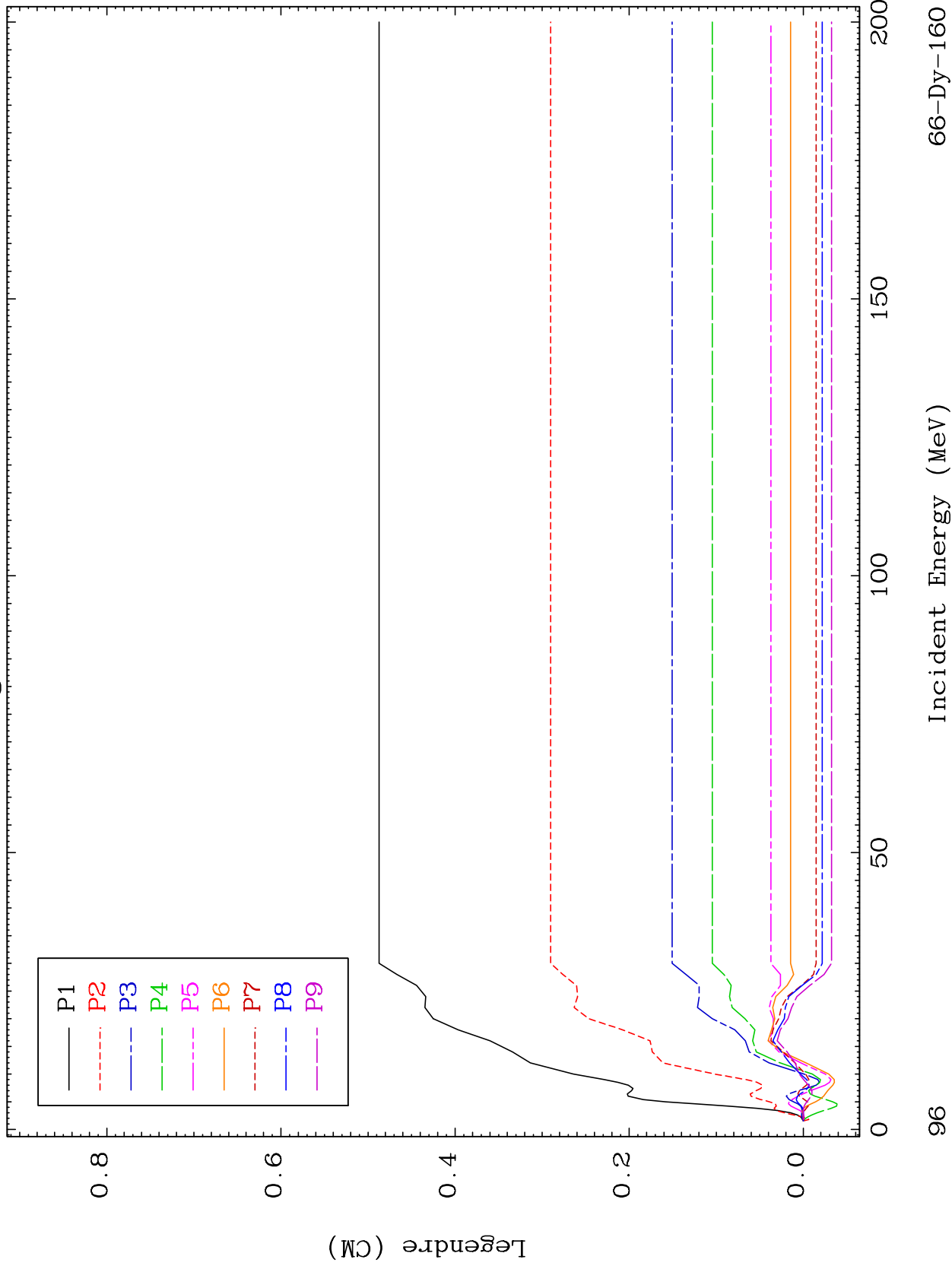
66-Dy-160



MAT 6637

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

66-Dy-160



66-Dy-160

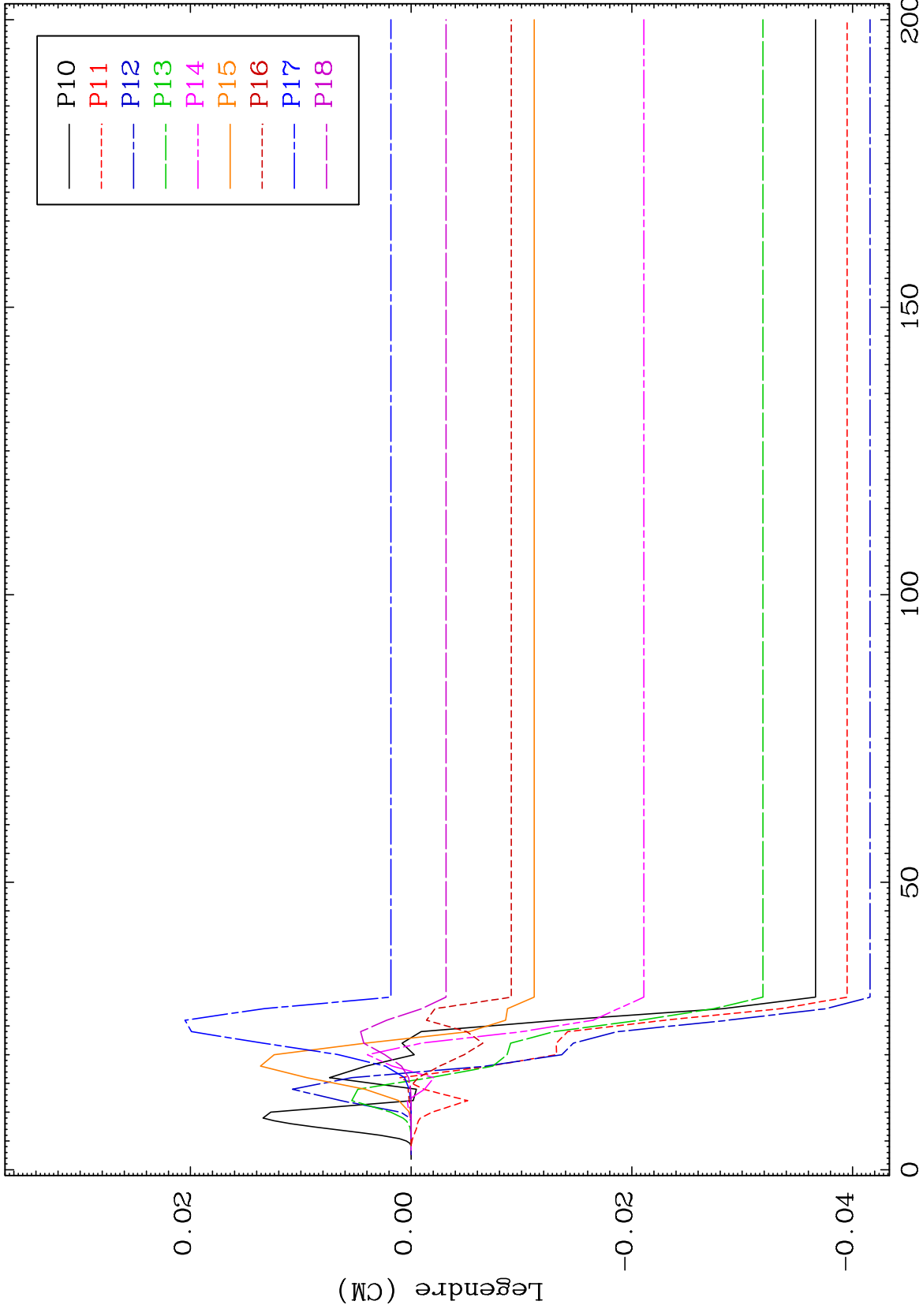
Incident Energy (MeV)

96

MAT 6637

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

66-Dy-160



97

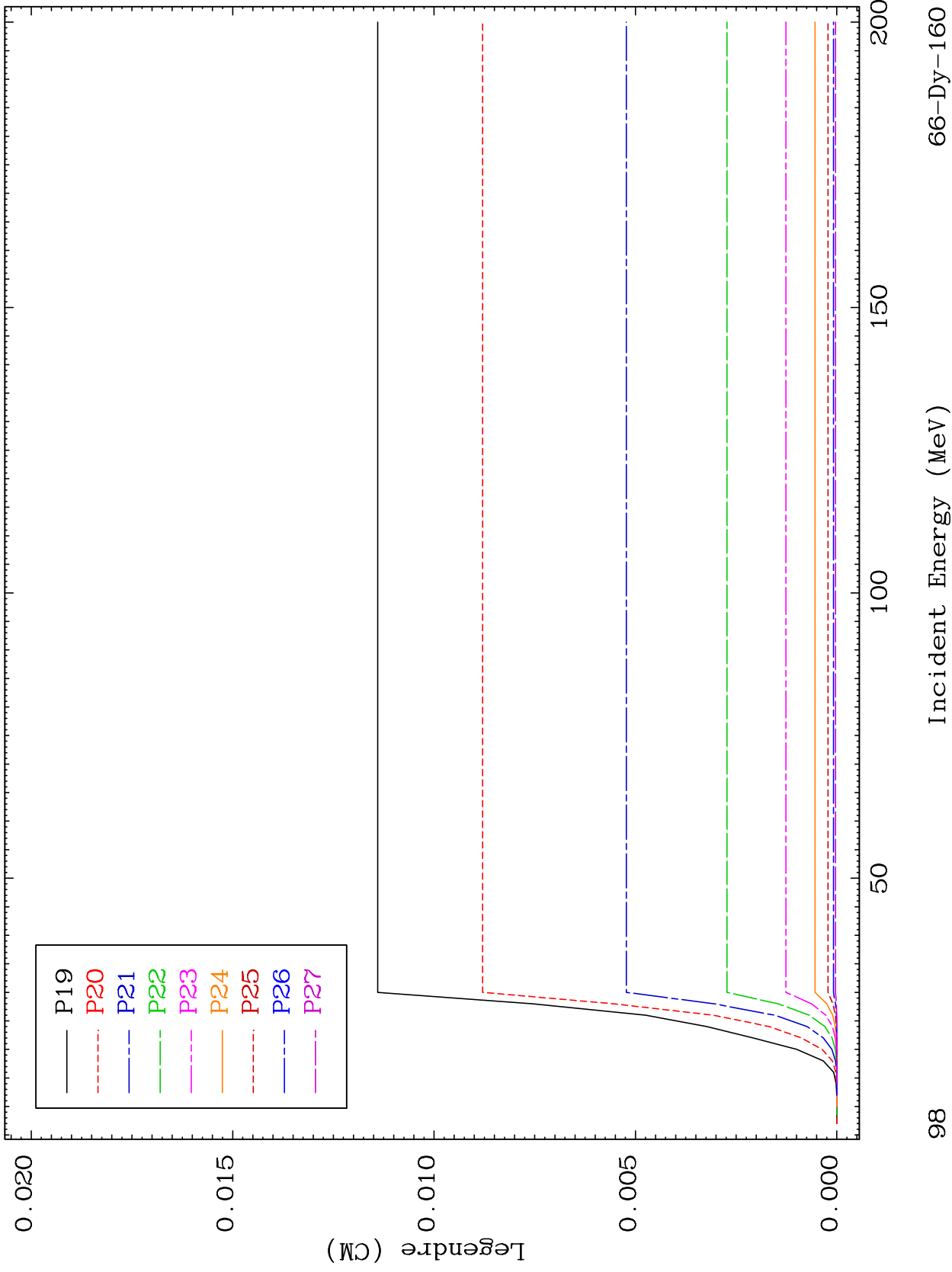
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



98

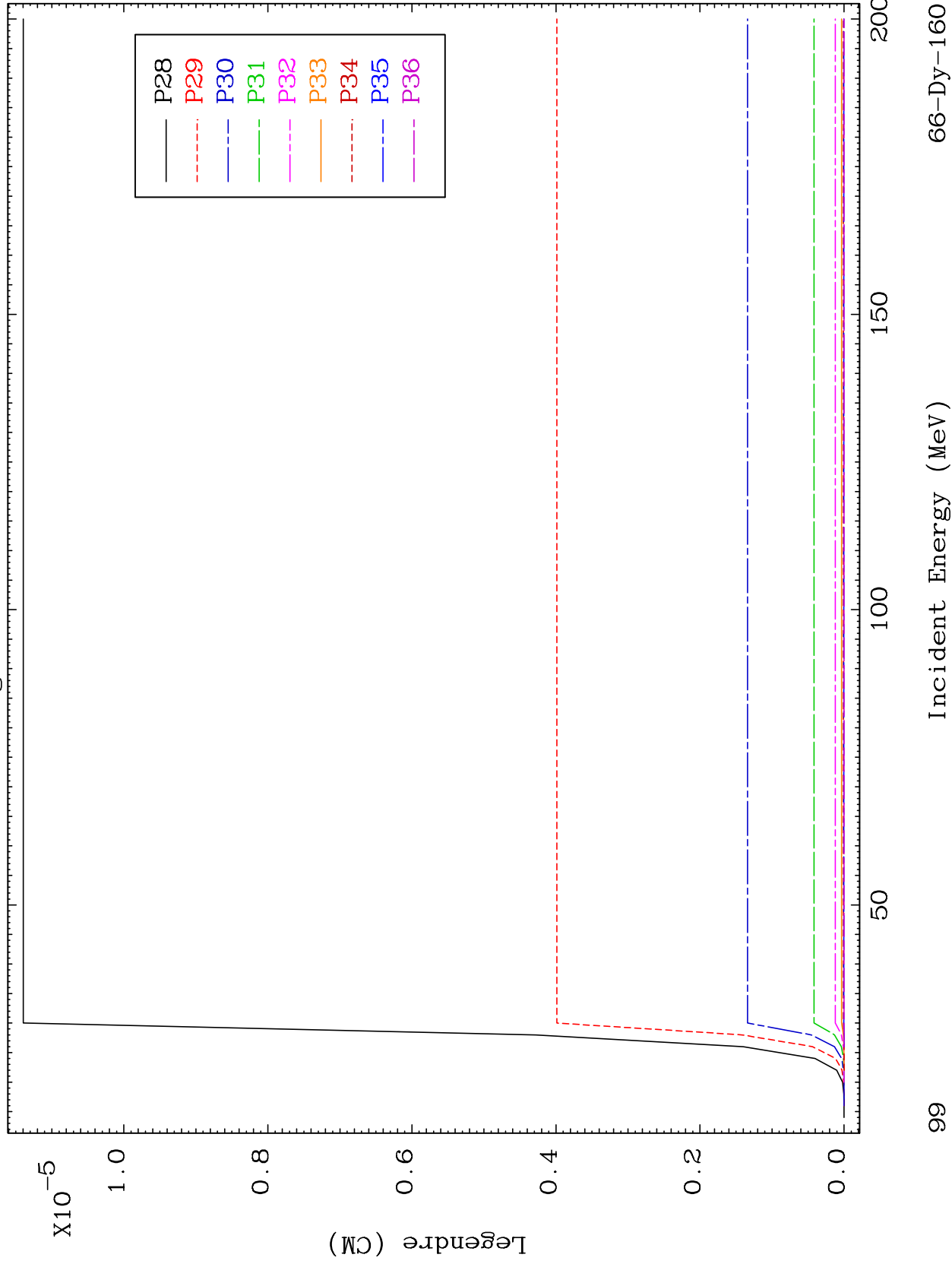
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

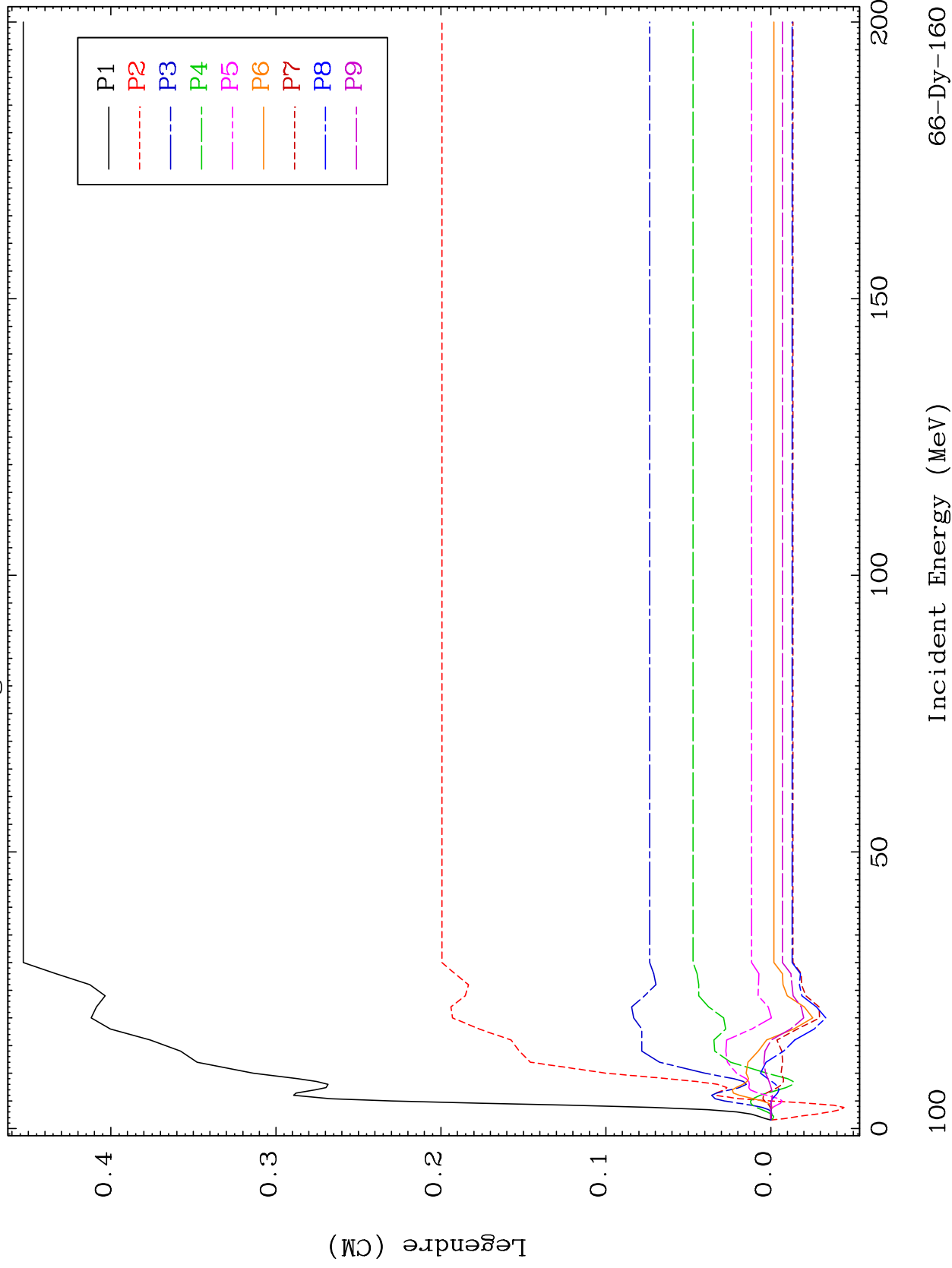
66-Dy-160



MAT 6637

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

66-Dy-160



66-Dy-160

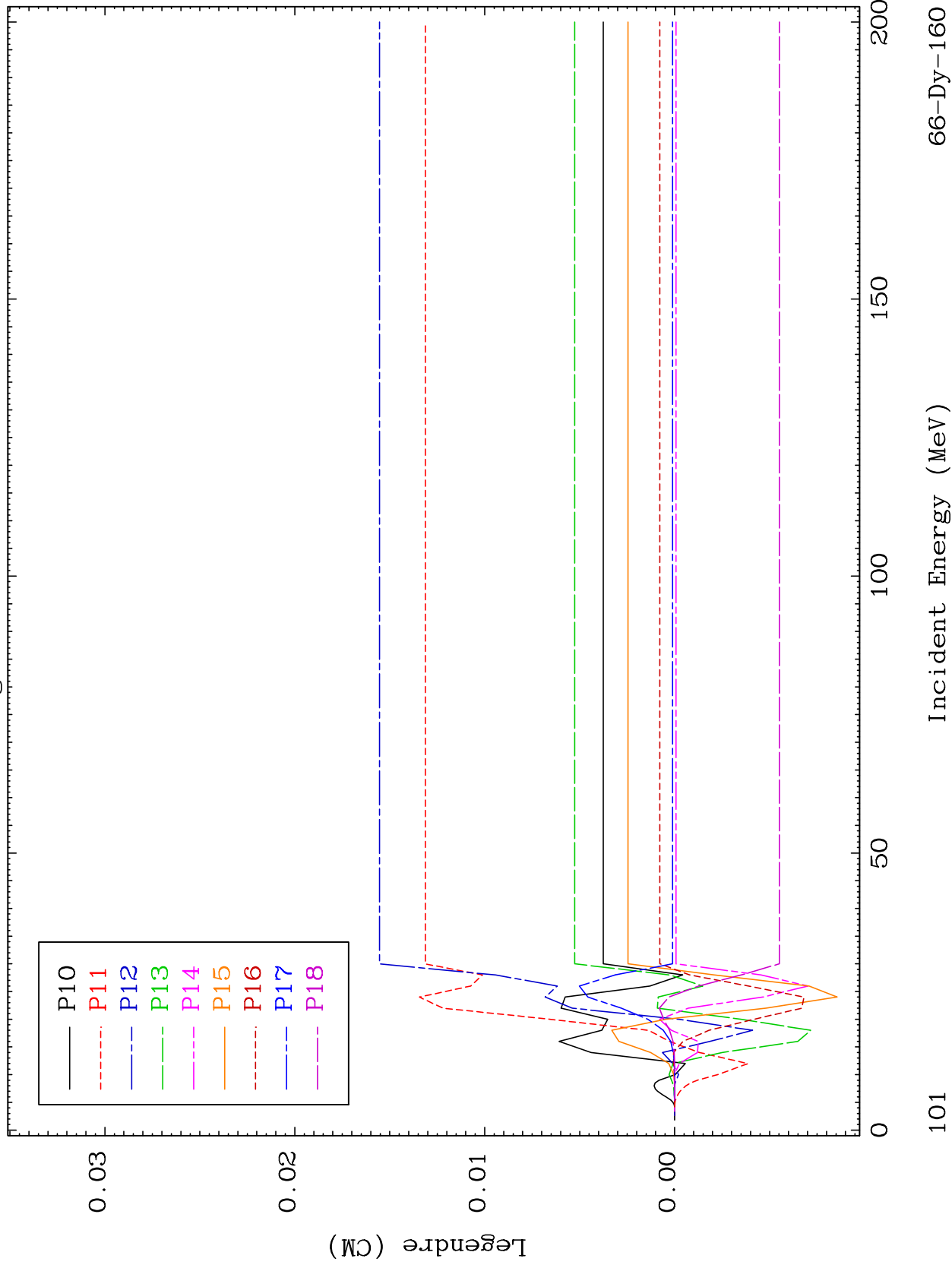
Incident Energy (MeV)

100

MAT 6637

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

66-Dy-160



101

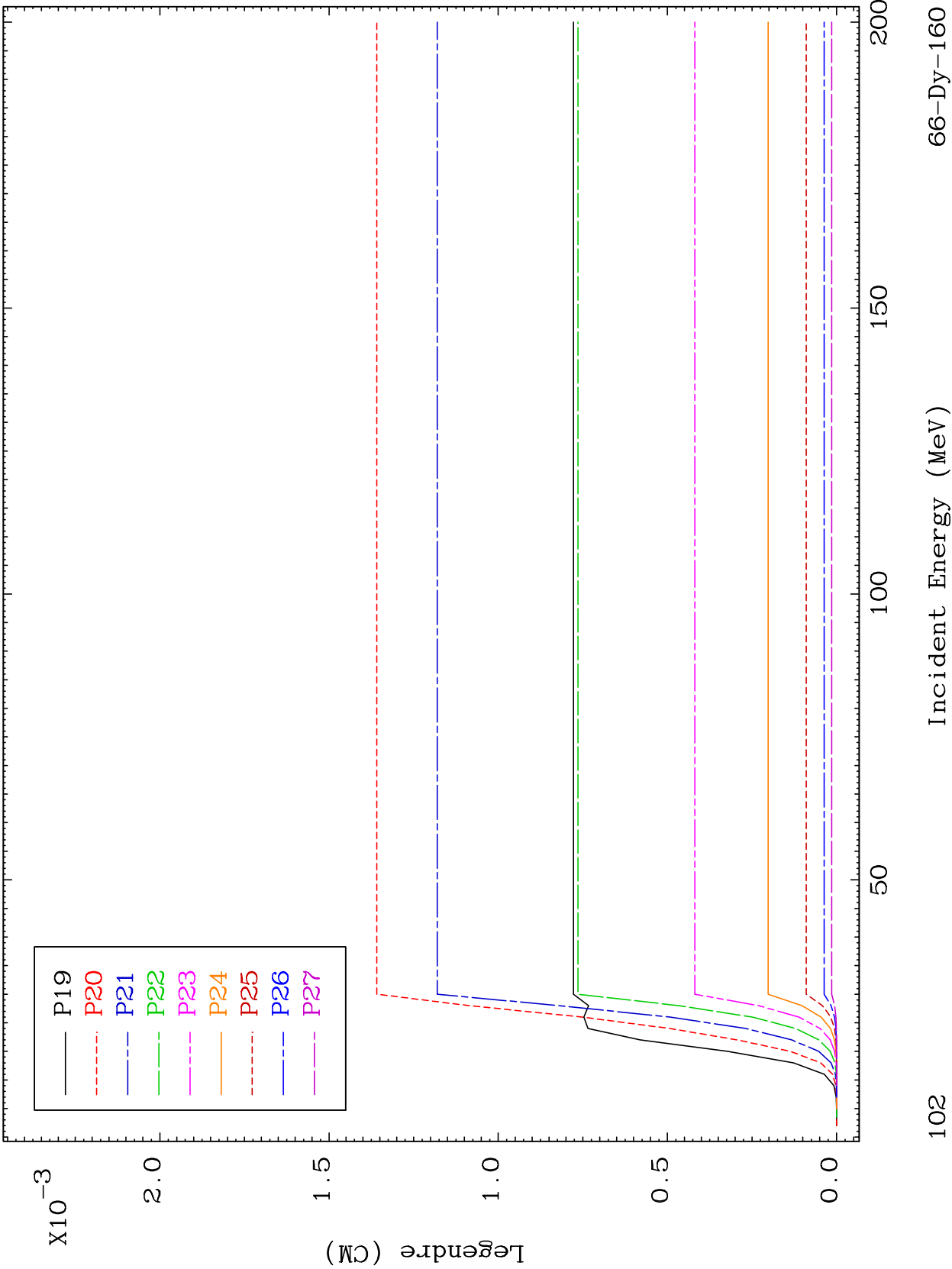
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



102

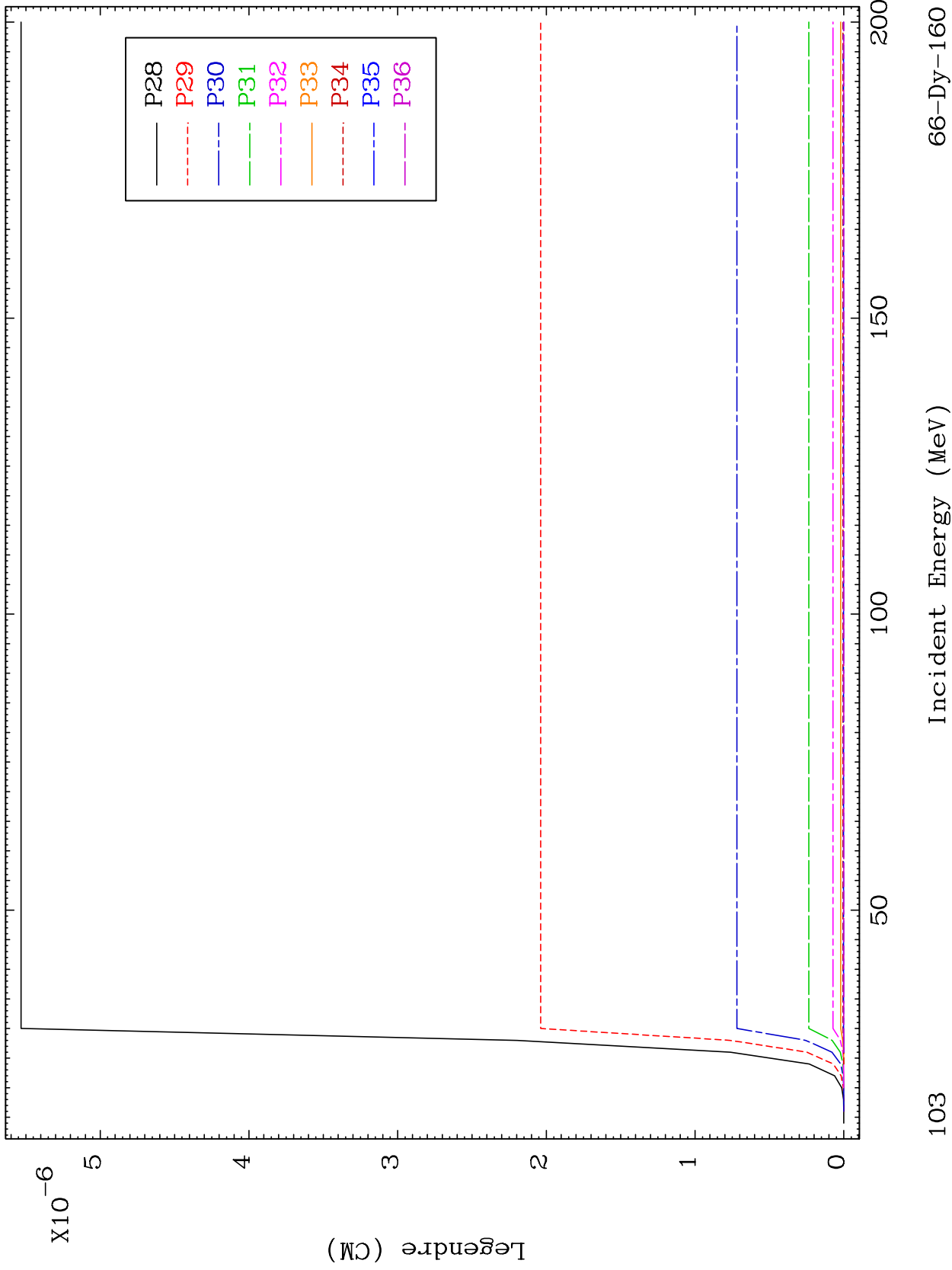
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



103

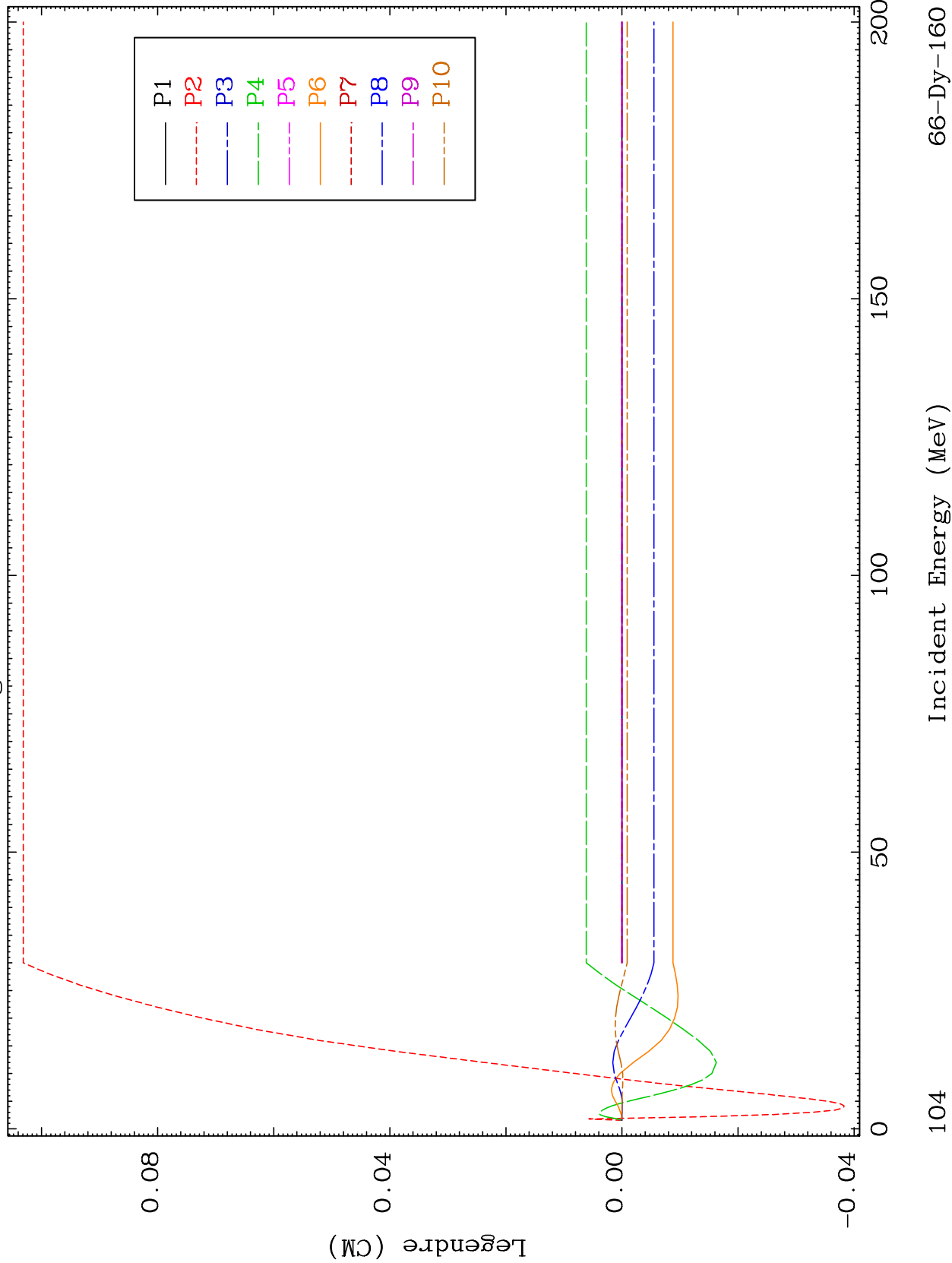
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

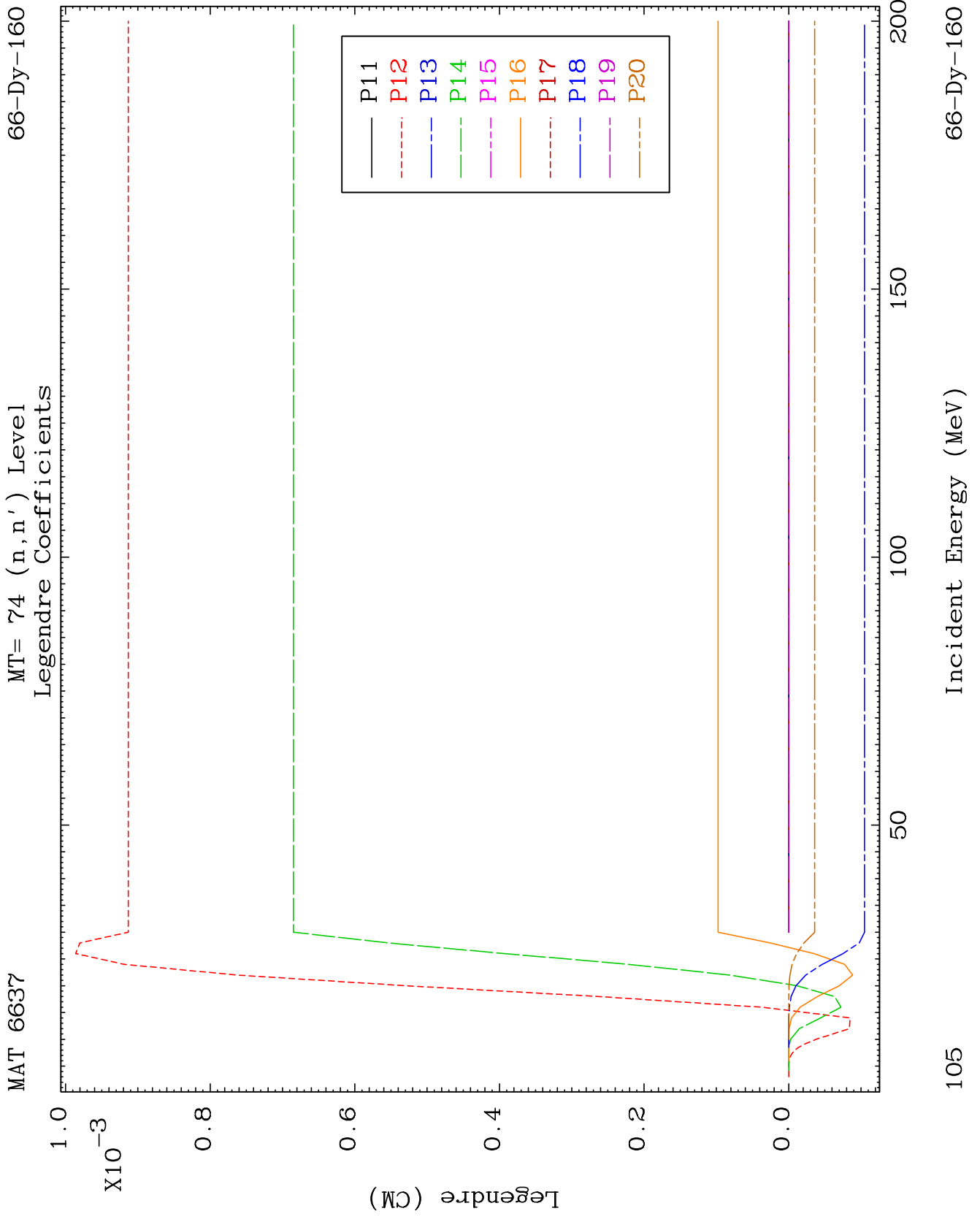
66-Dy-160

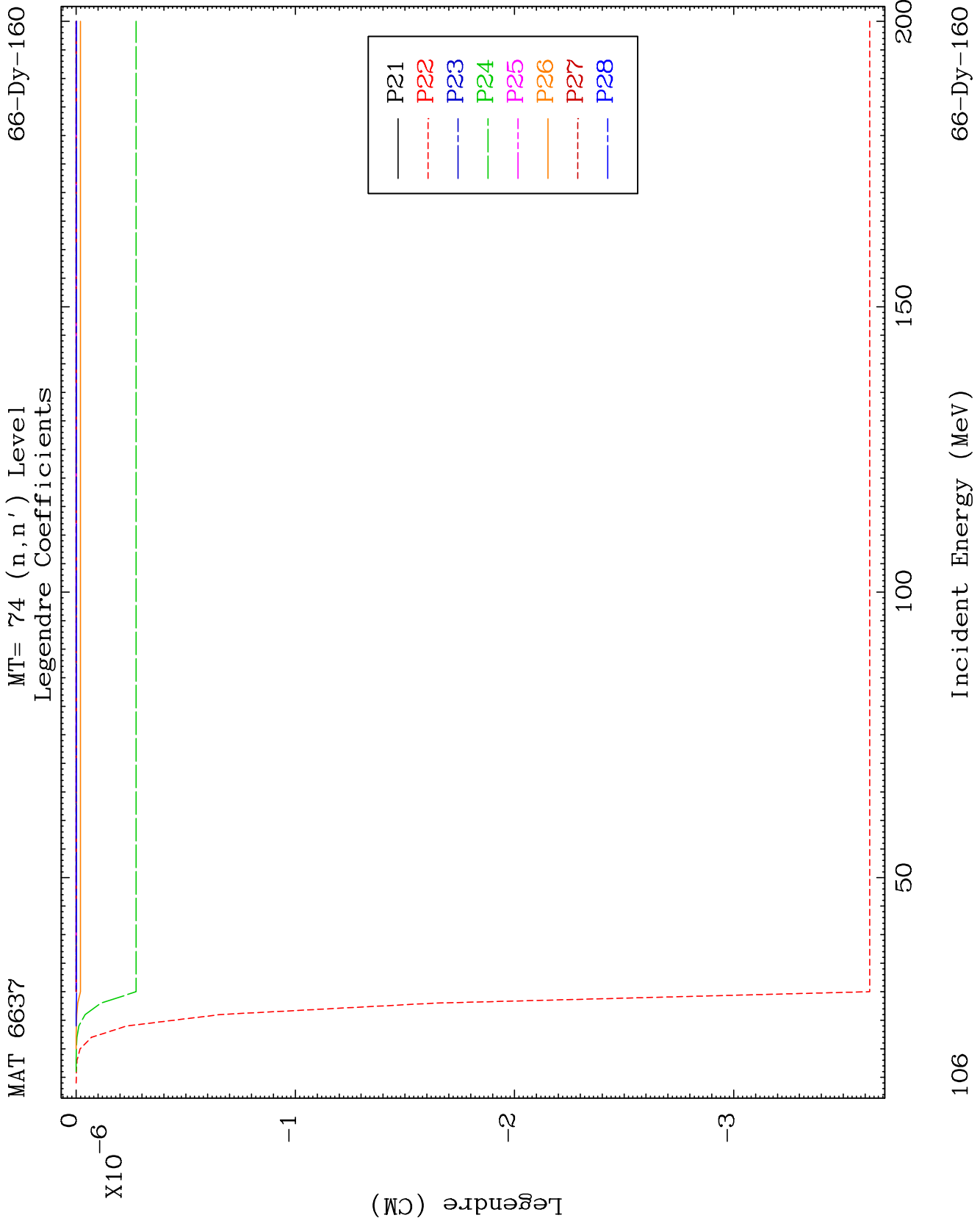


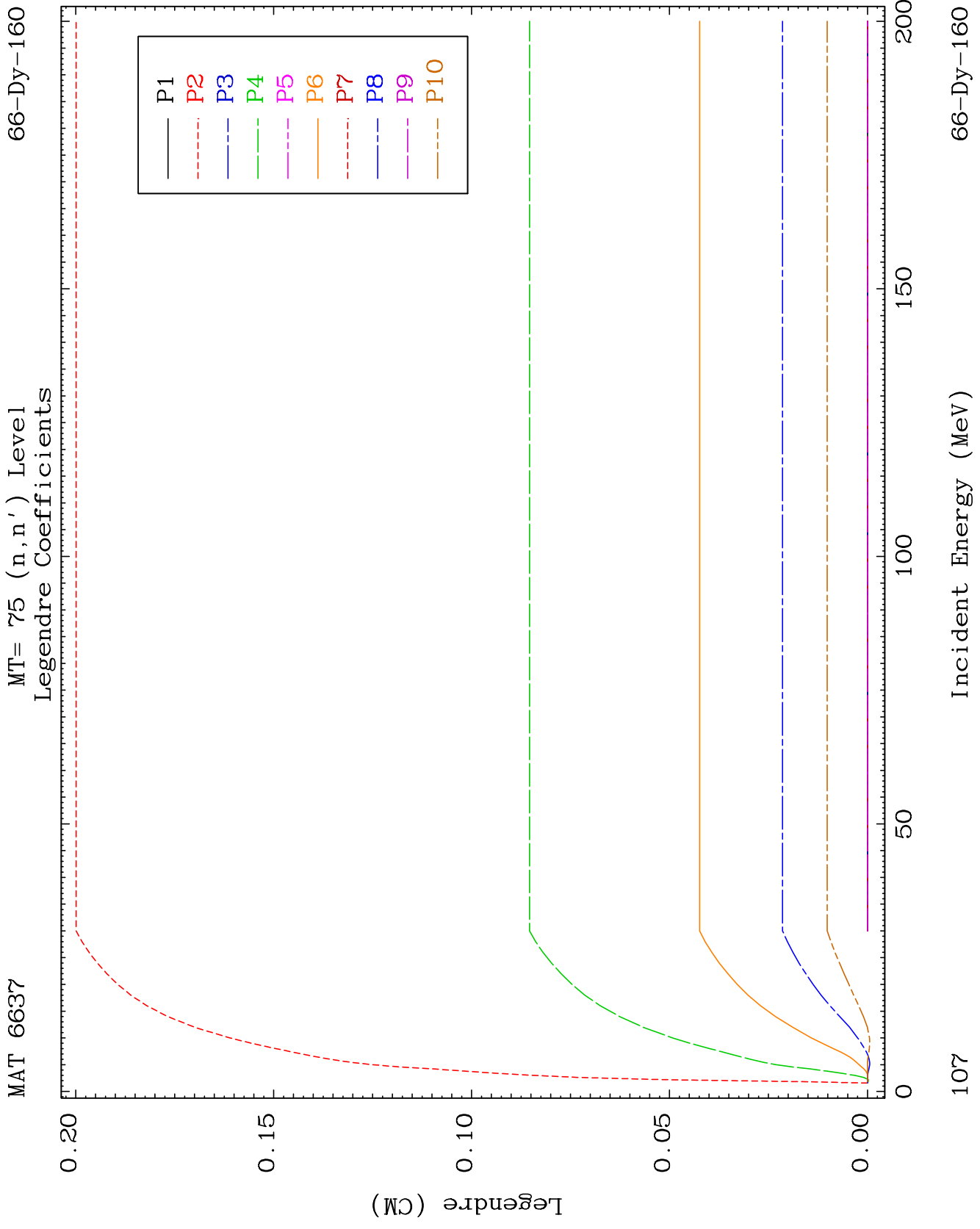
104

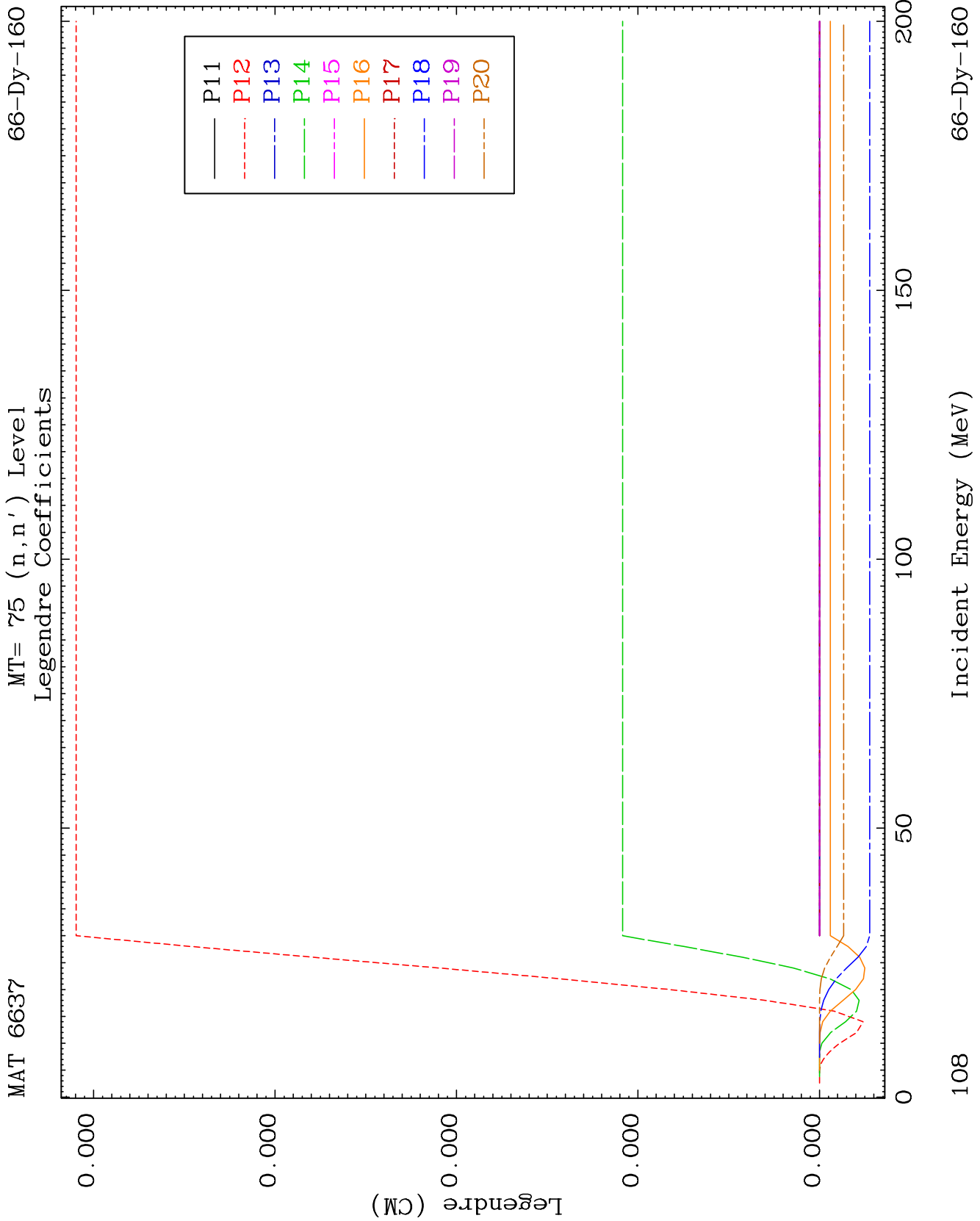
Incident Energy (MeV)

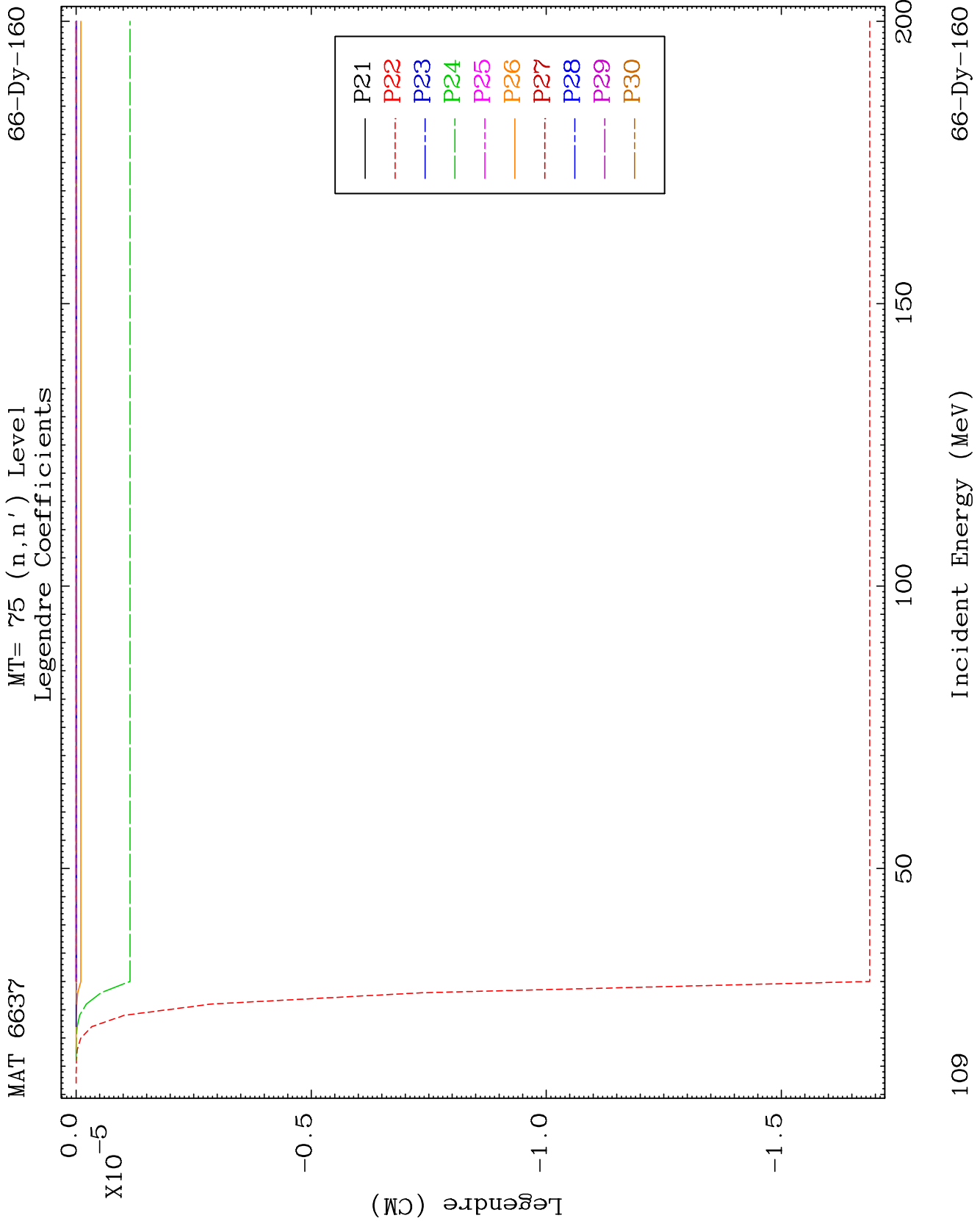
66-Dy-160







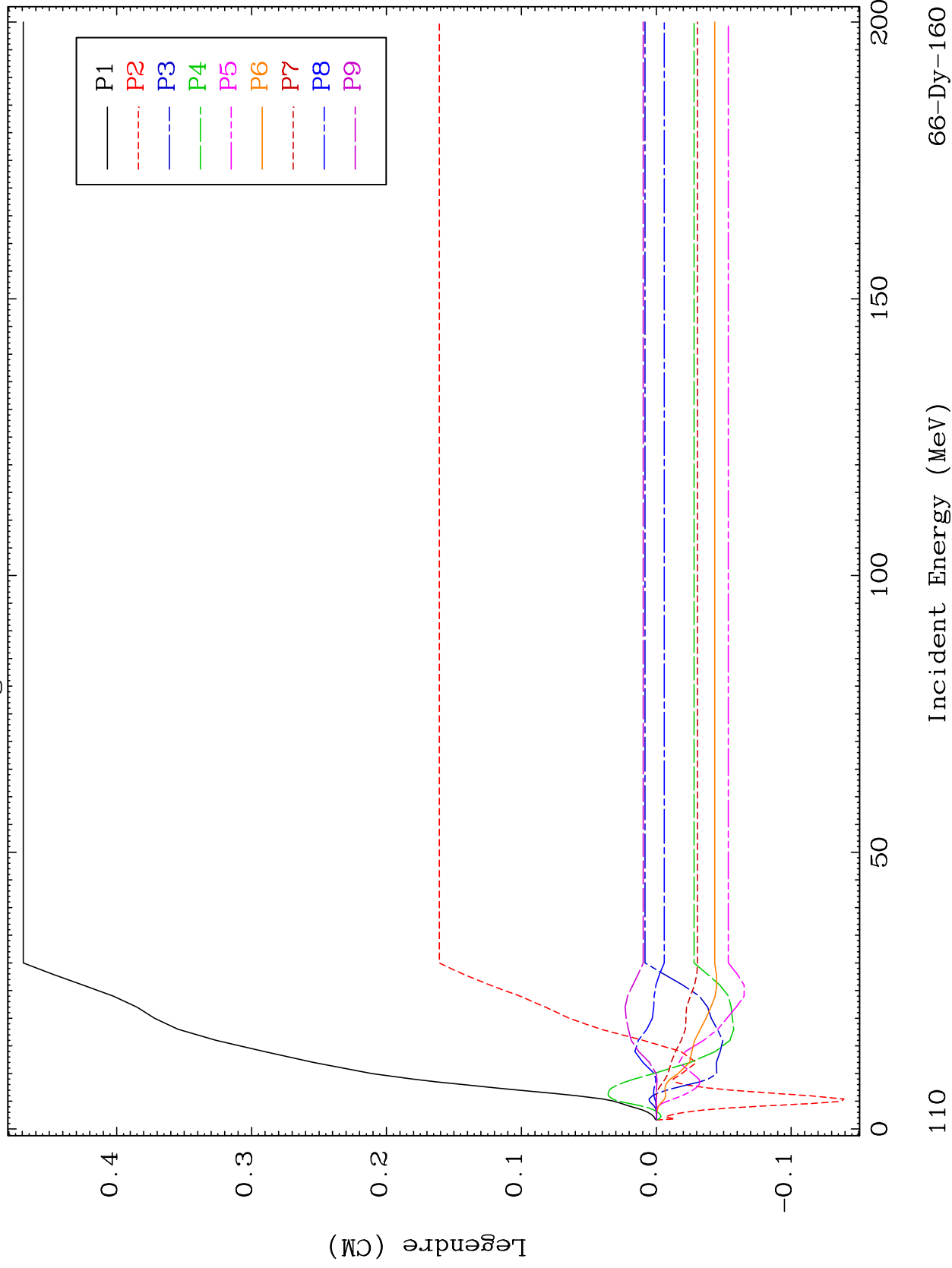




MAT 6637

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

66-Dy-160



66-Dy-160

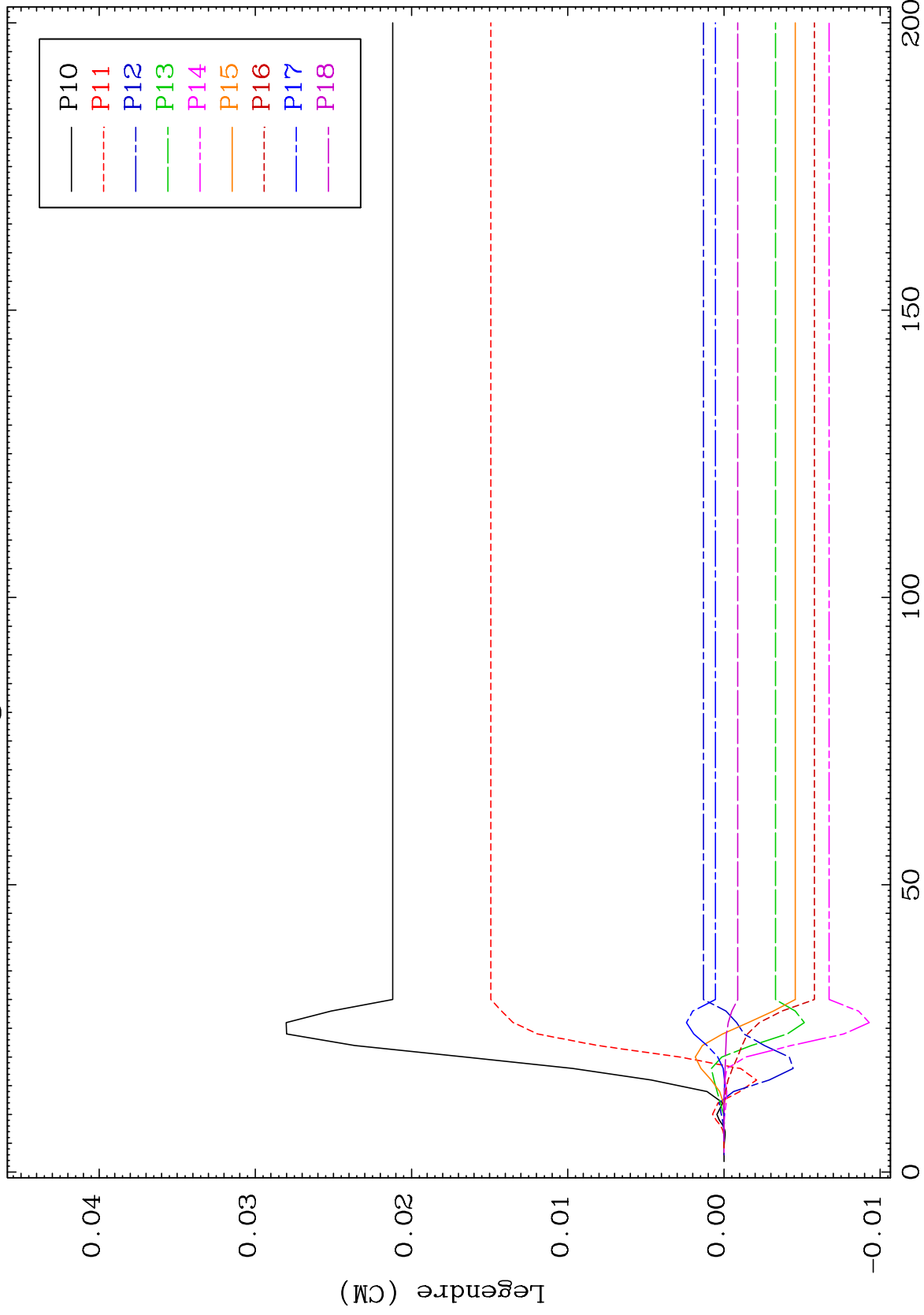
Incident Energy (MeV)

110

MAT 6637

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

66-Dy-160



111

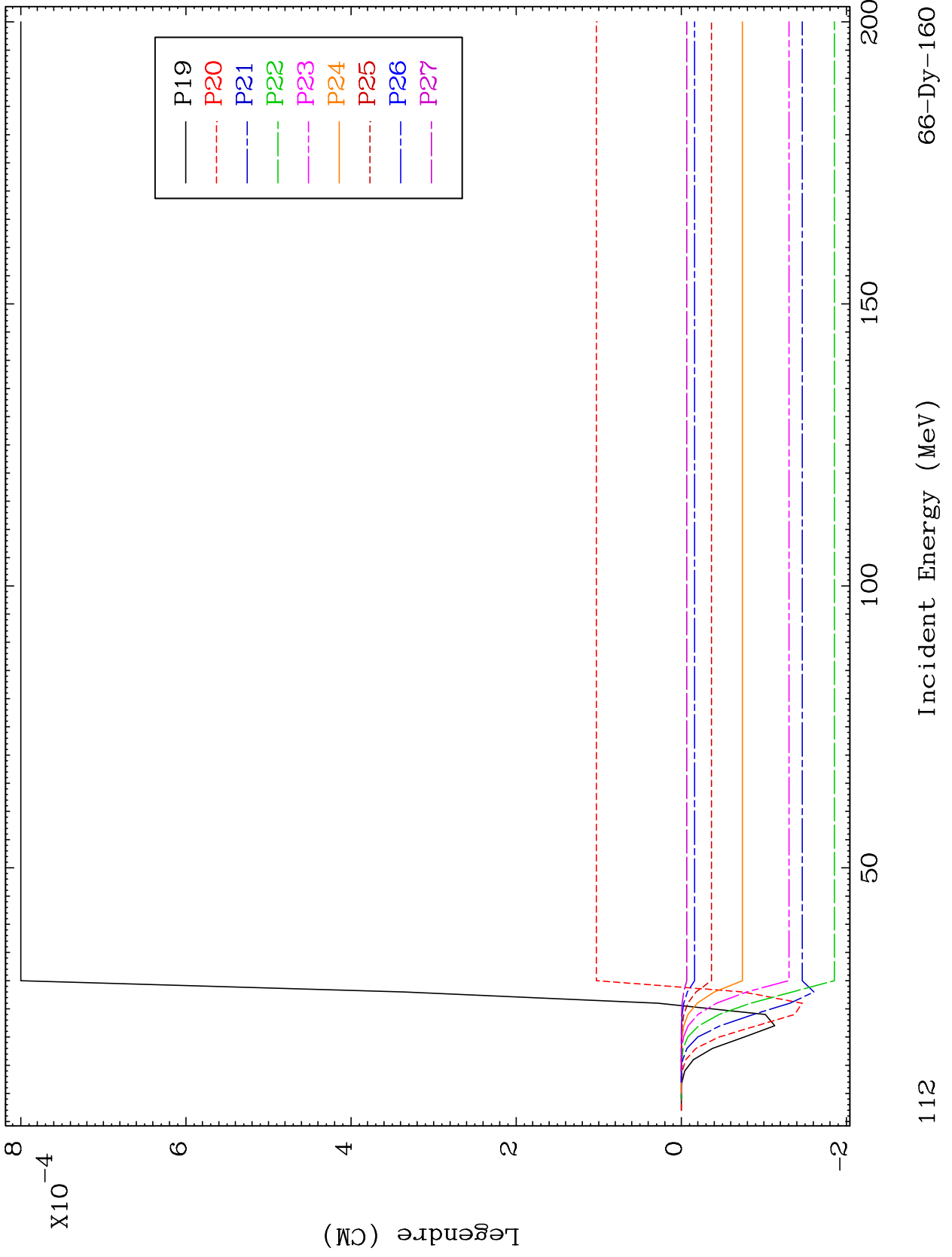
Incident Energy (MeV)

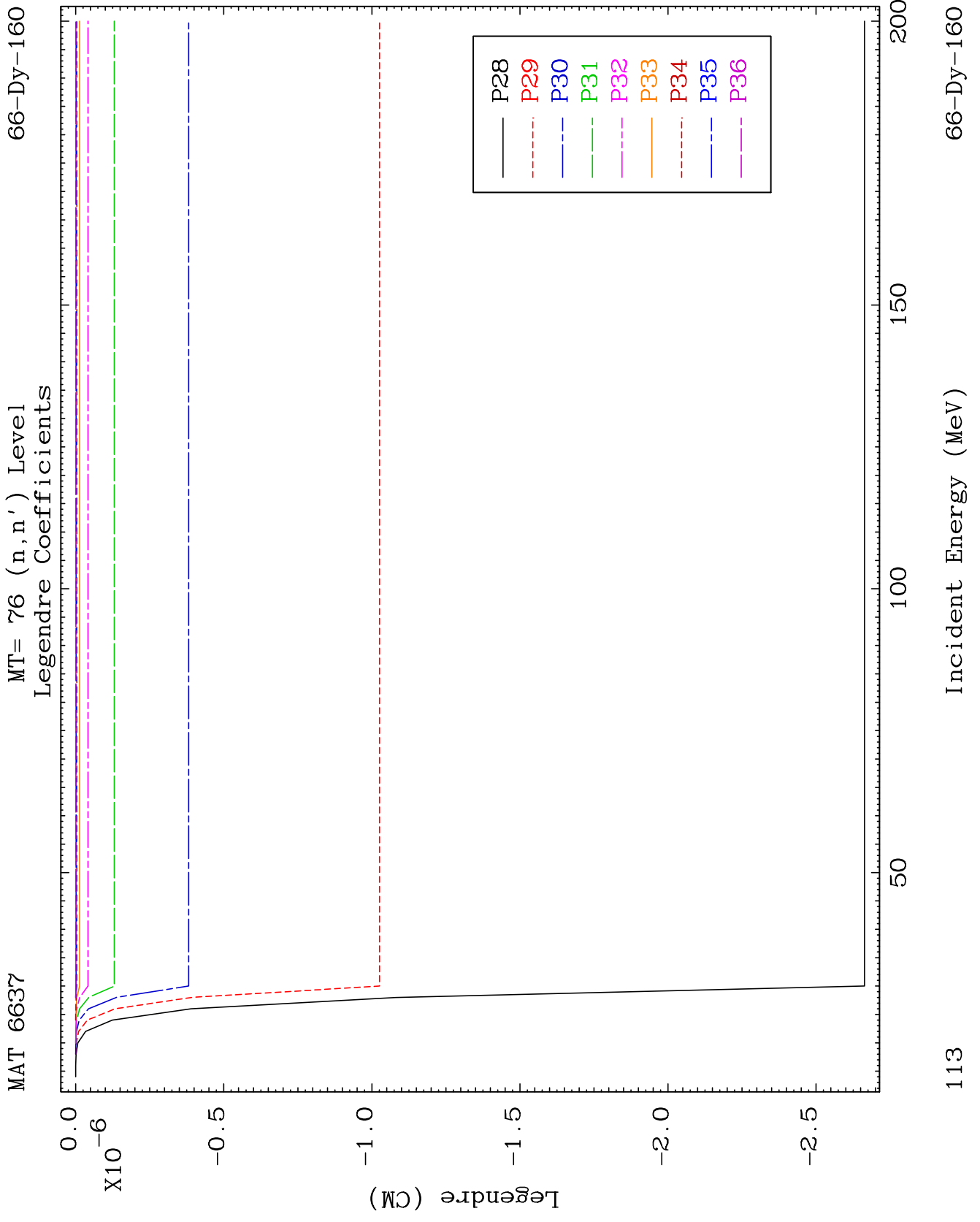
66-Dy-160

MAT 6637

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

66-Dy-160

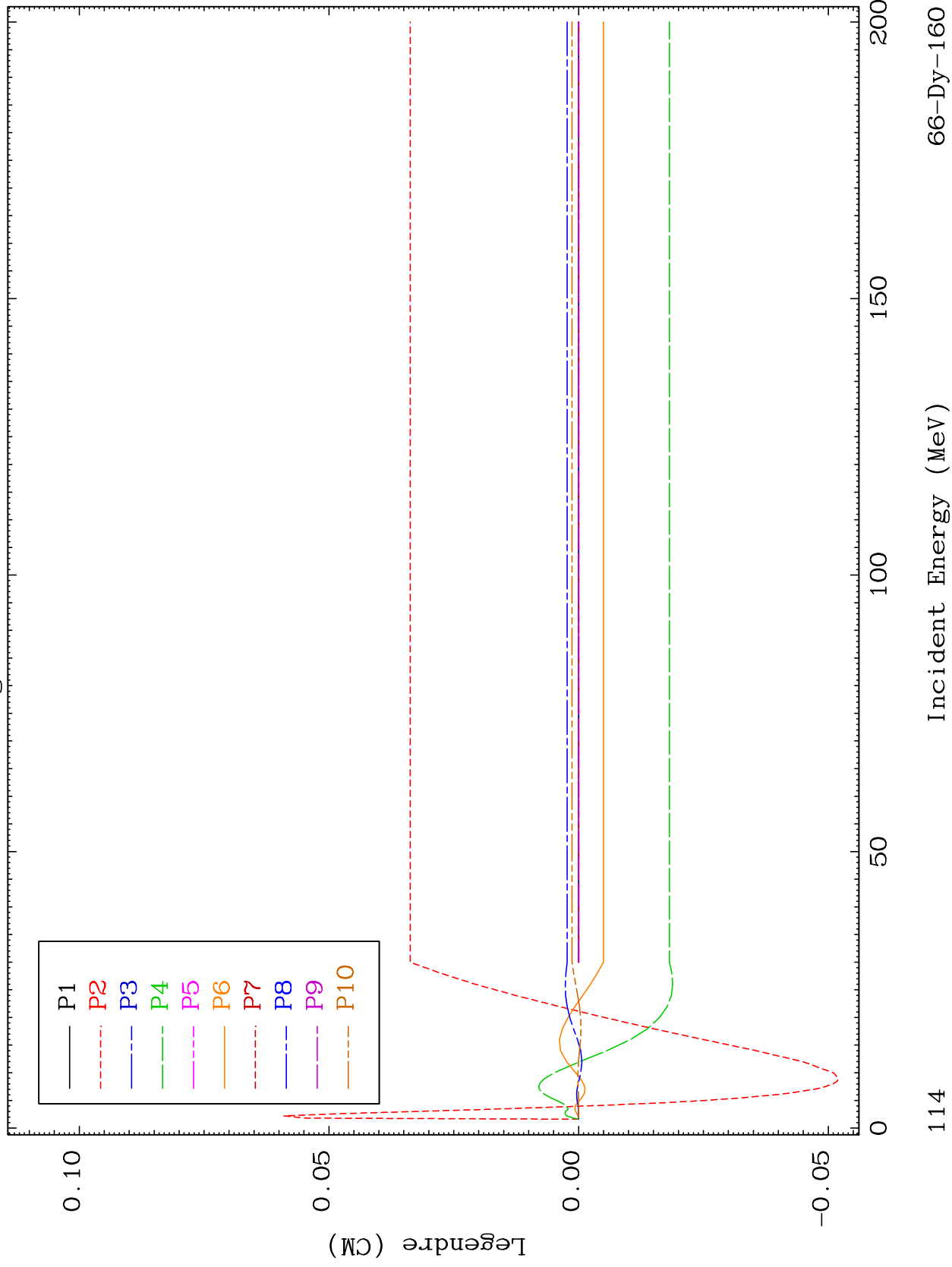




MAT 6637

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

66-Dy-160



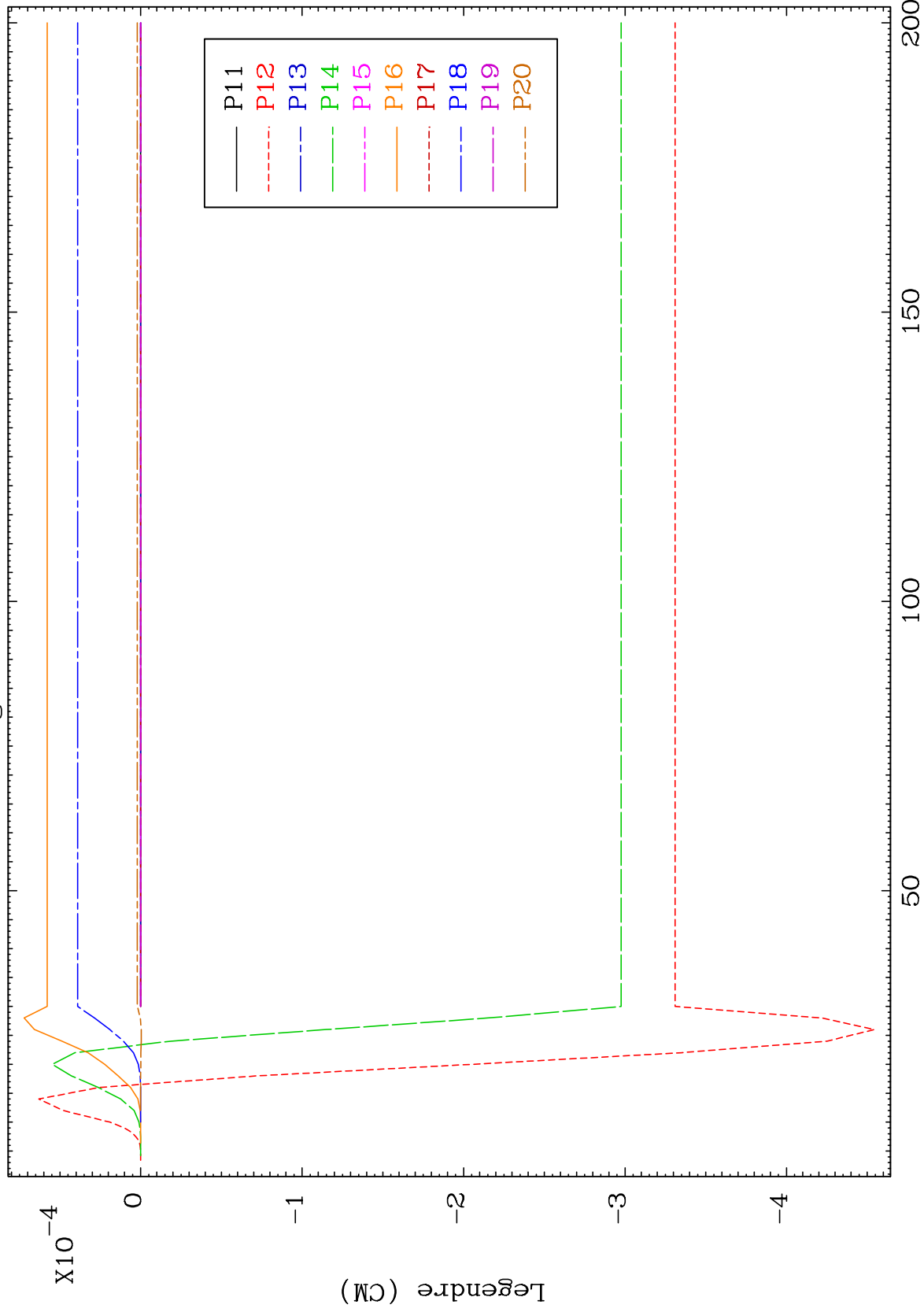
114

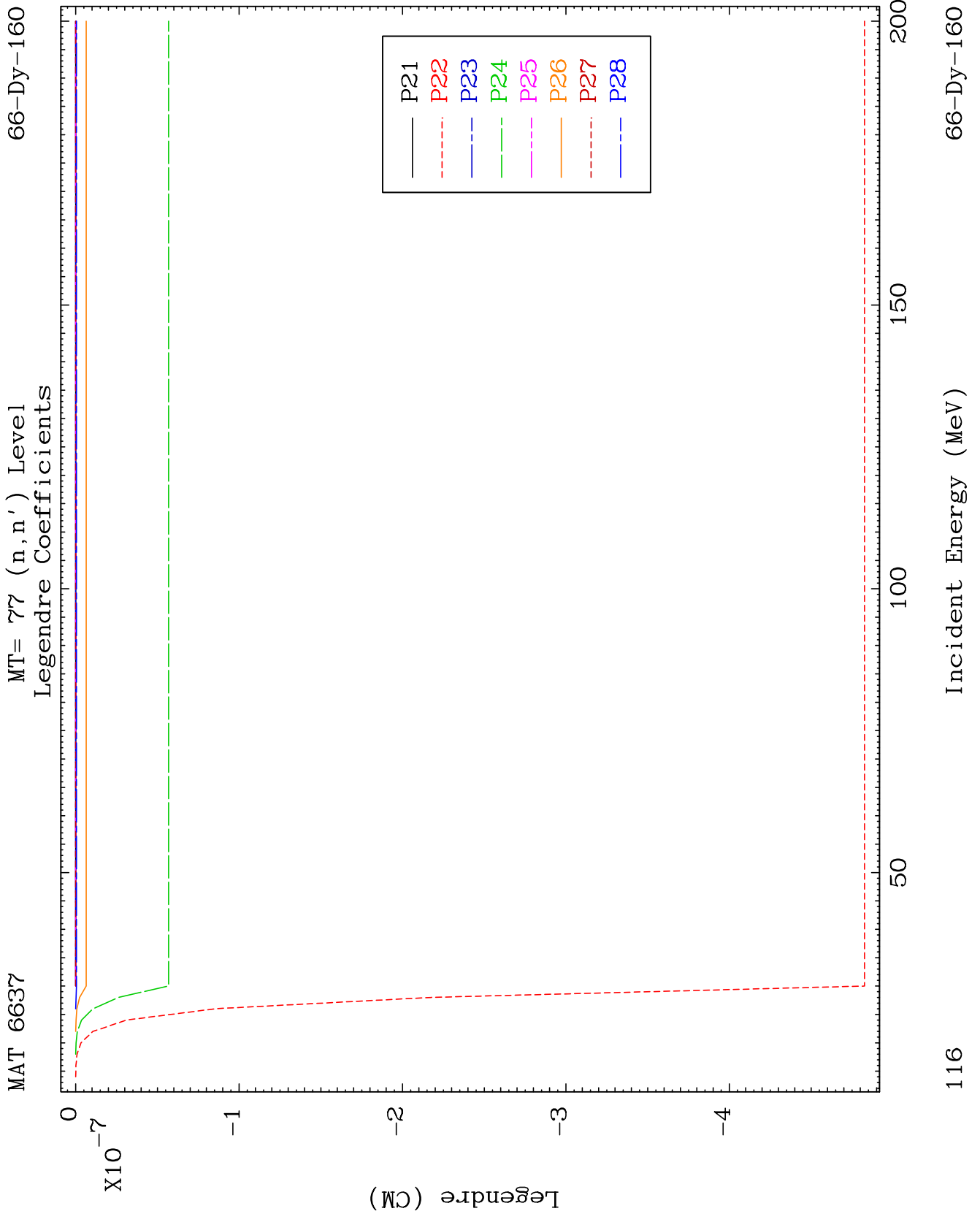
MAT 6637

MT= 77 (n,n') Level

66-Dy-160

Legendre Coefficients

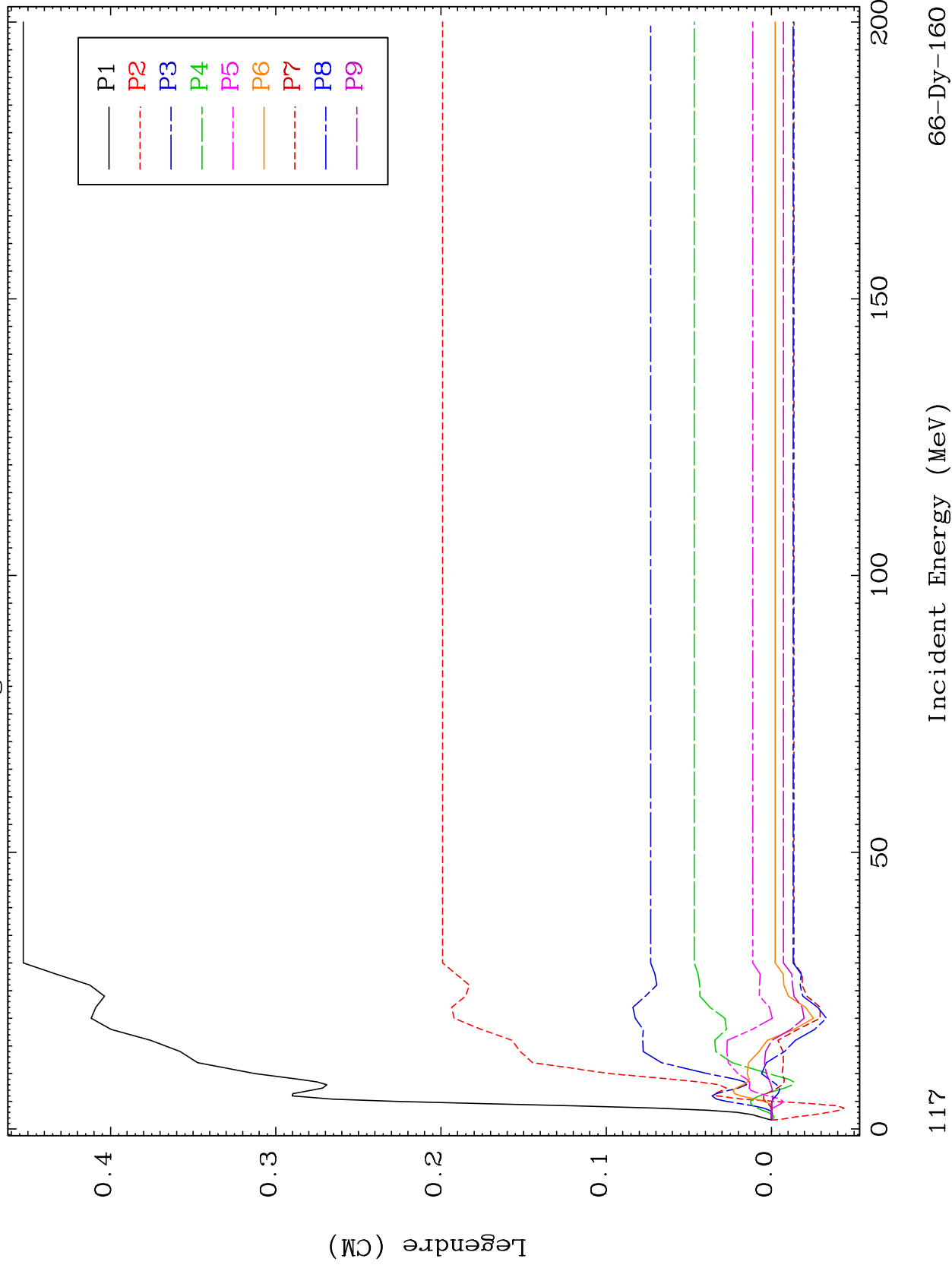




MAT 6637

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

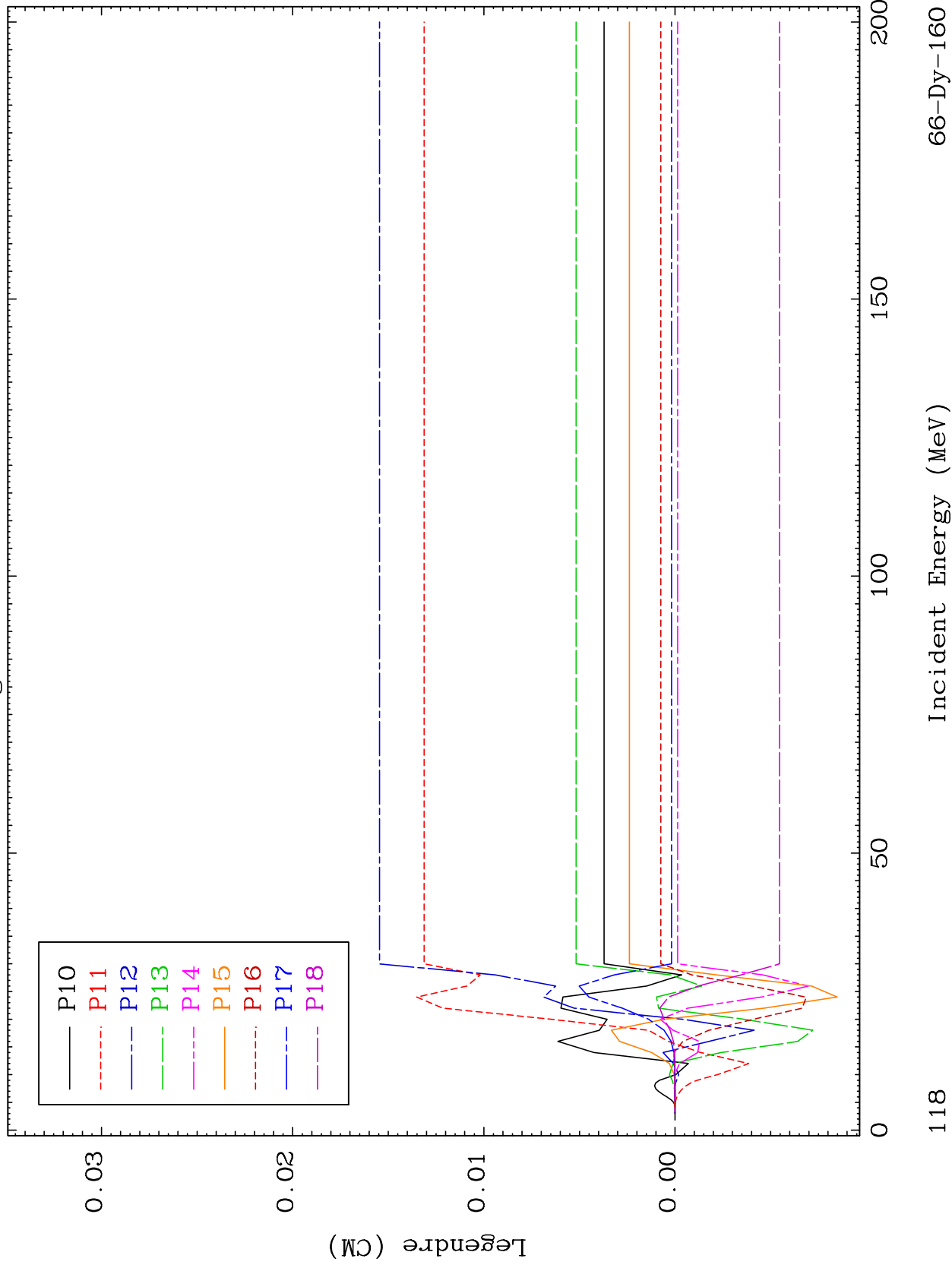
66-Dy-160



MAT 6637

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

66-Dy-160



118

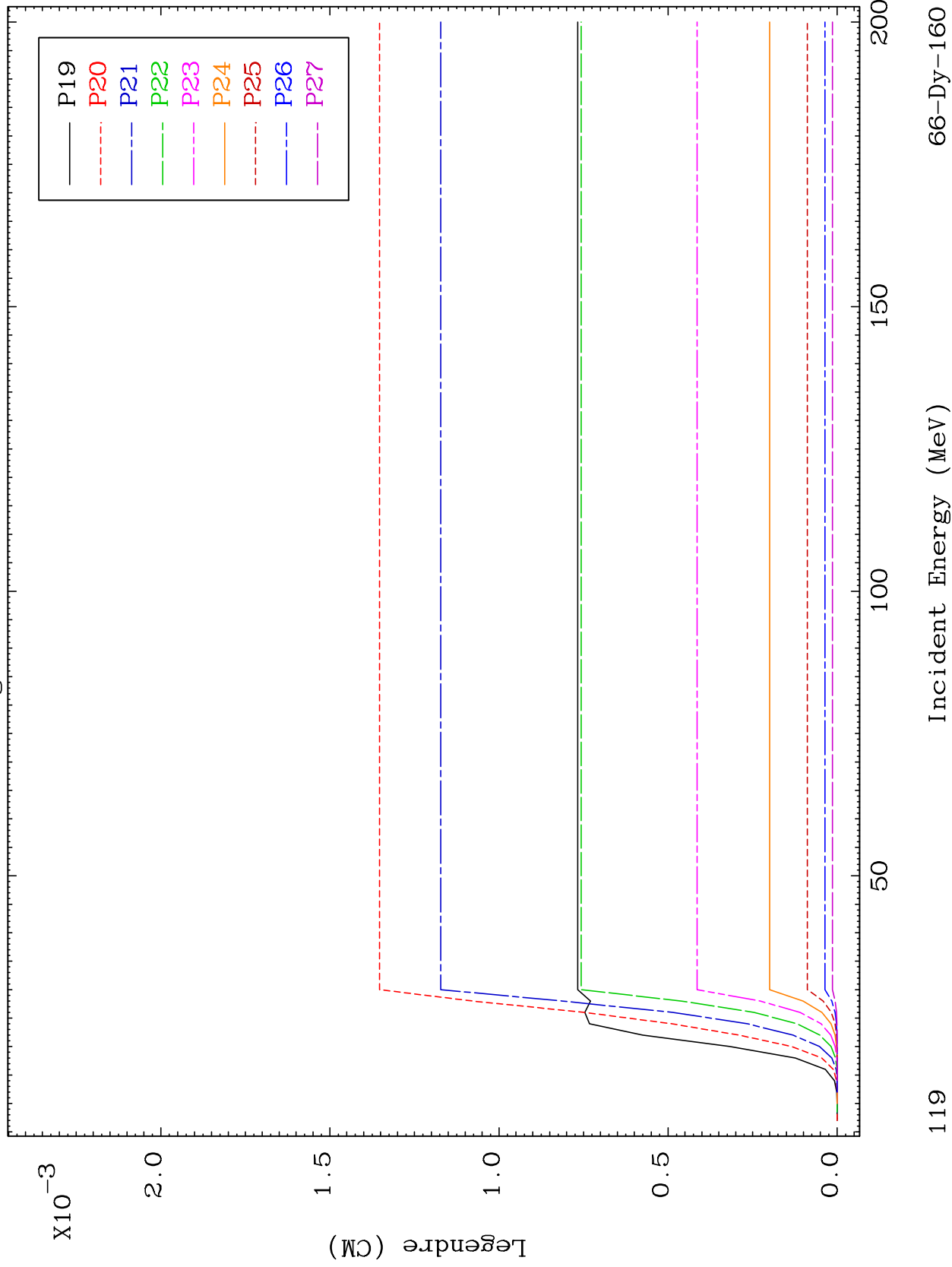
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



119

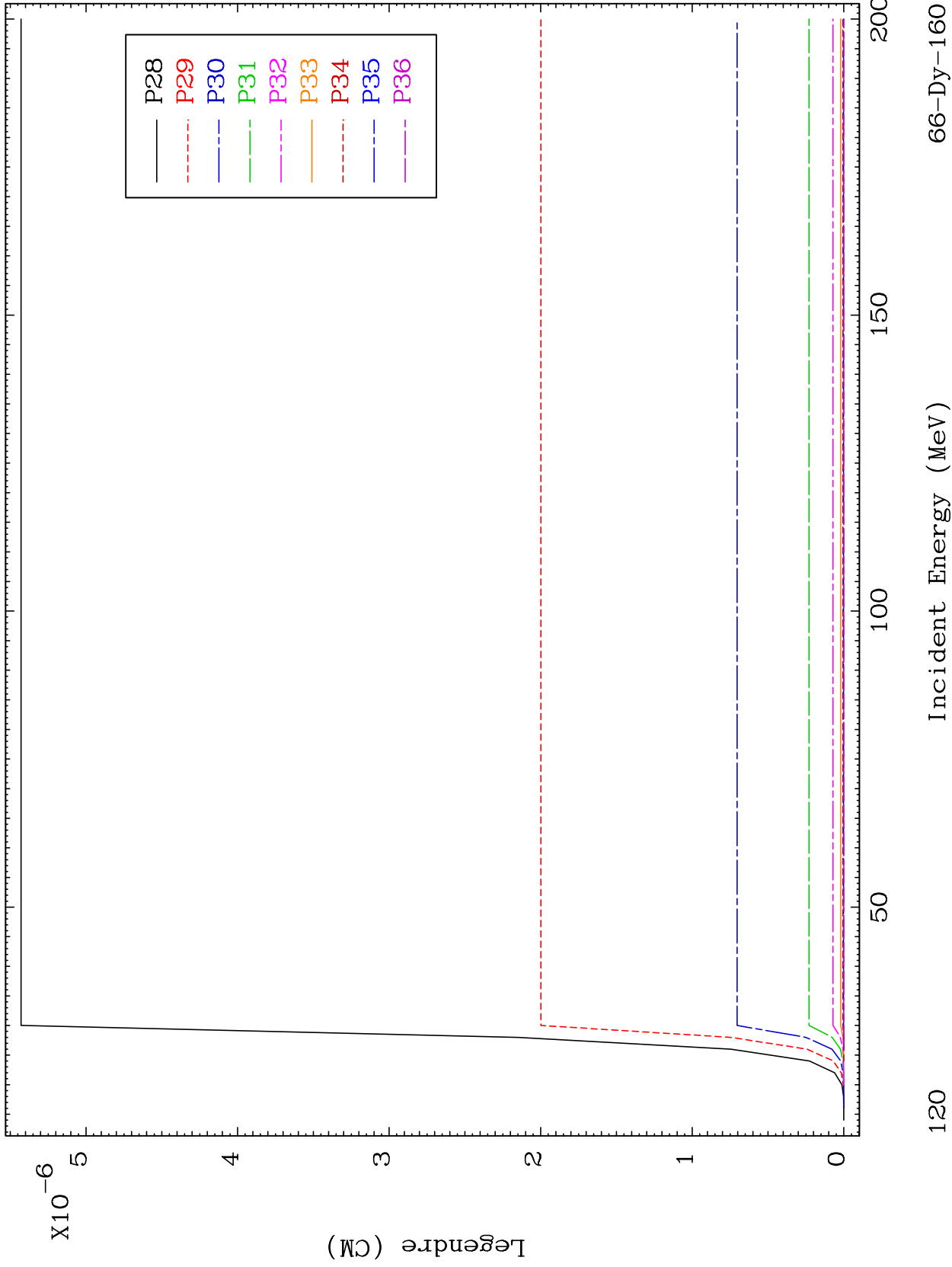
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

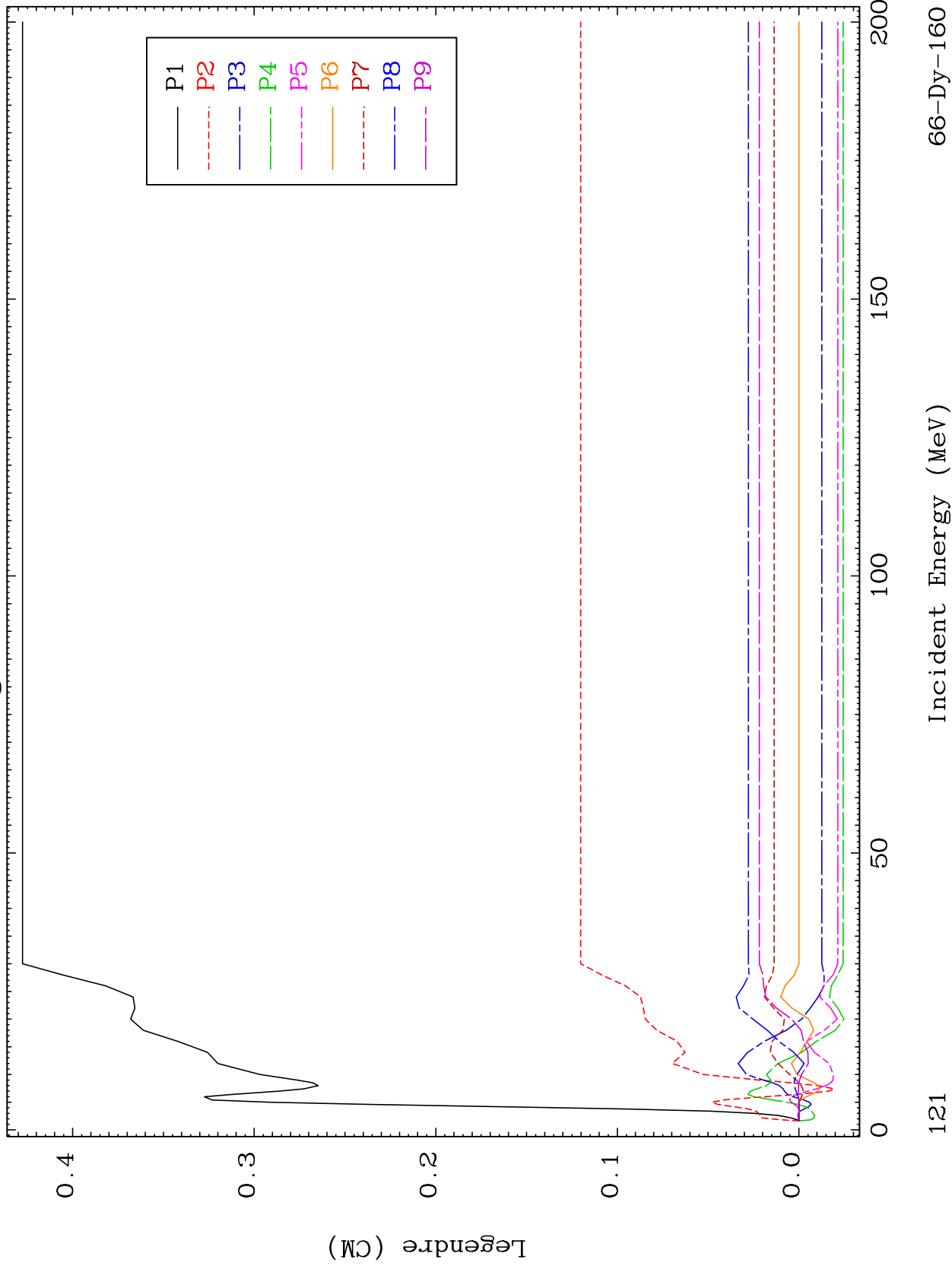
66-Dy-160



MAT 6637

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

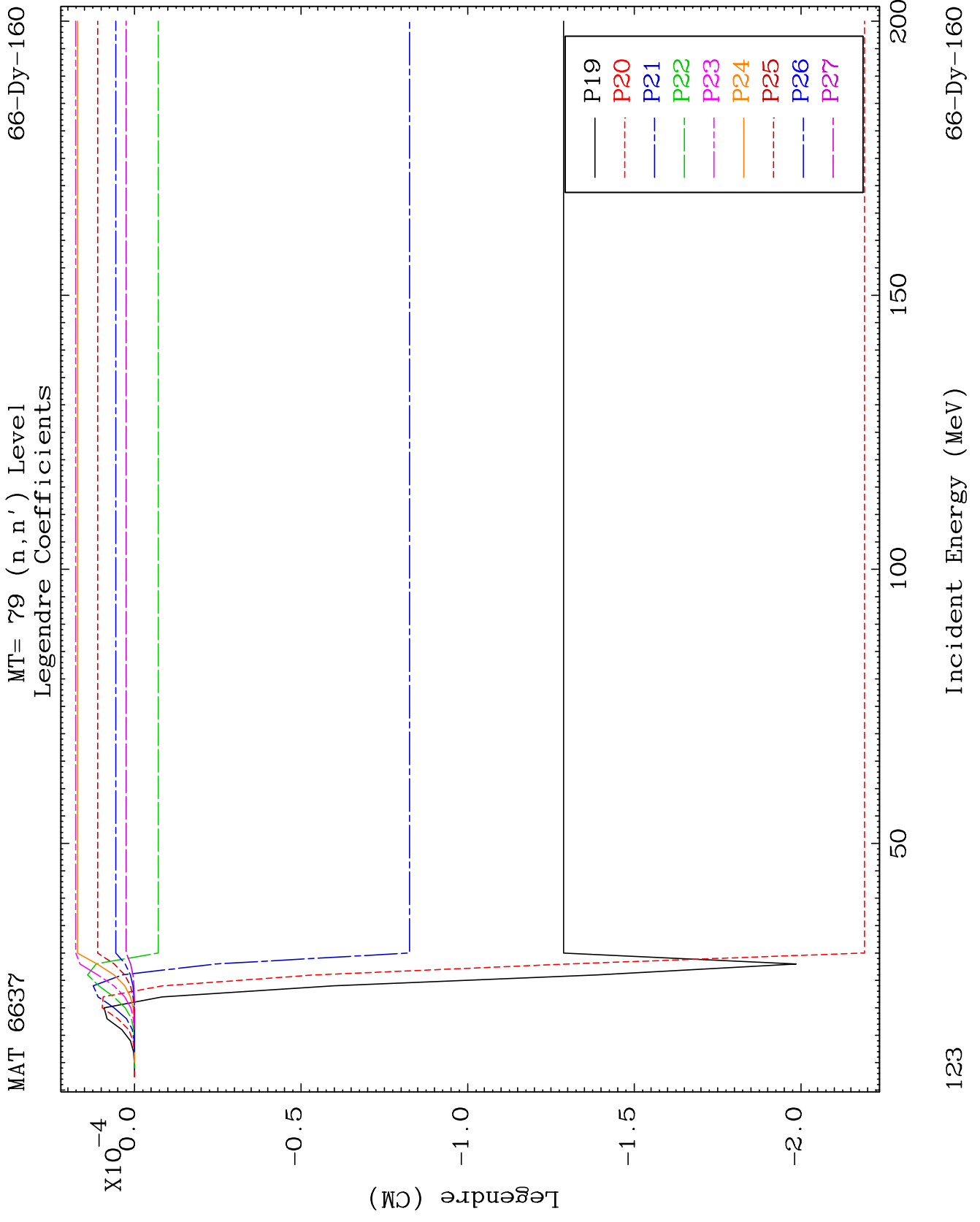
66-Dy-160



121

Incident Energy (MeV)

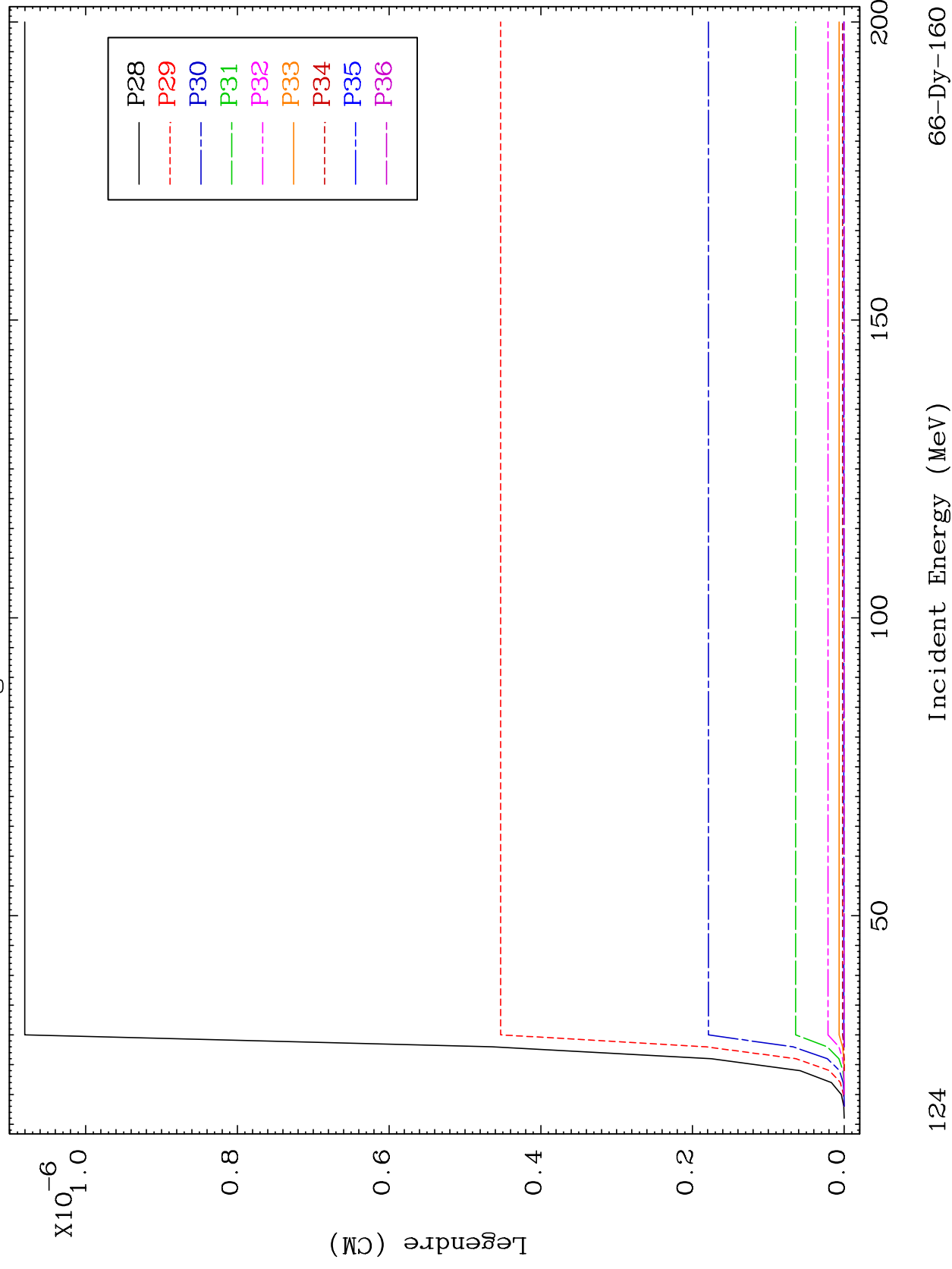
66-Dy-160



MAT 6637

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

66-Dy-160



124

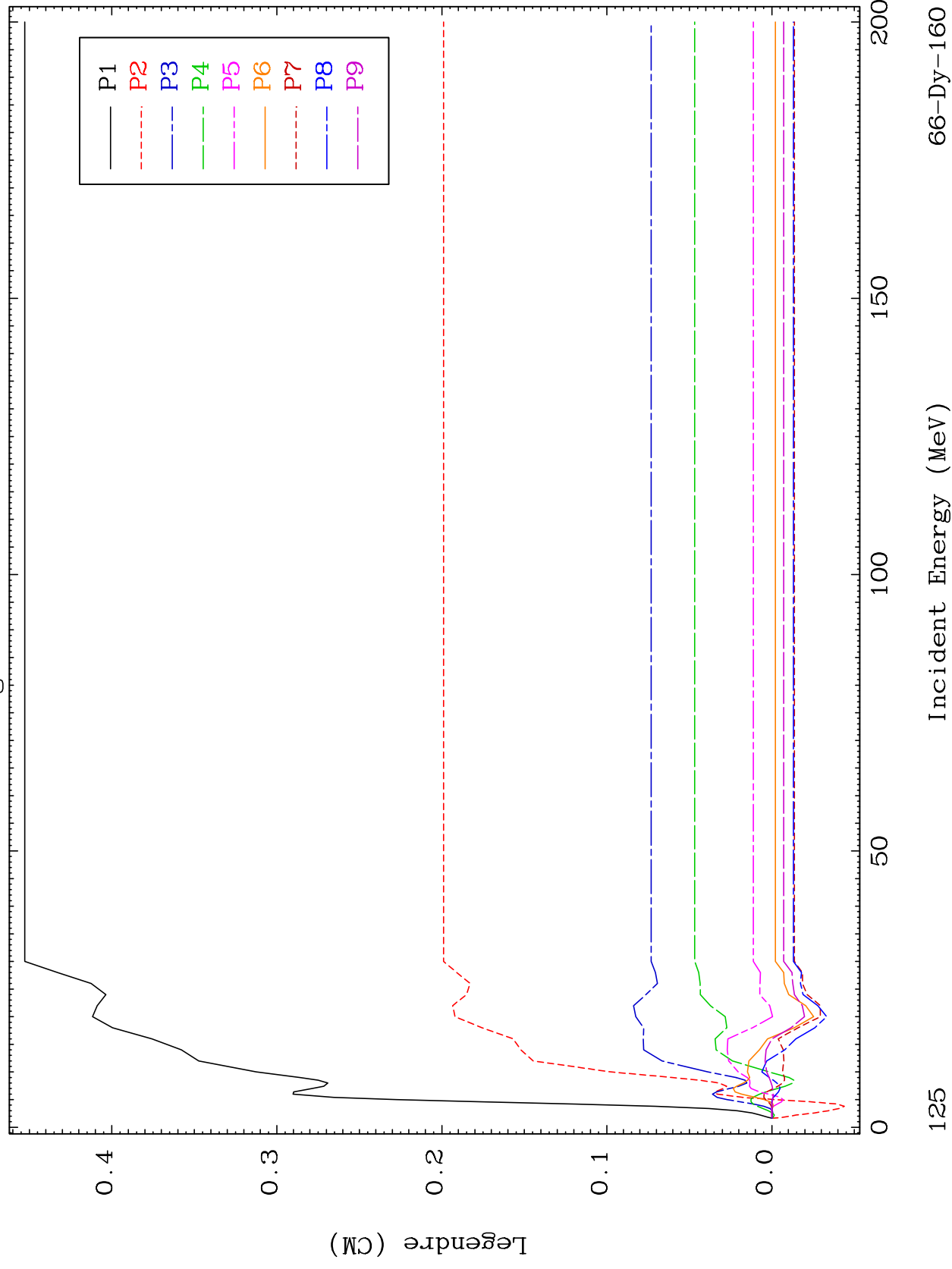
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



66-Dy-160

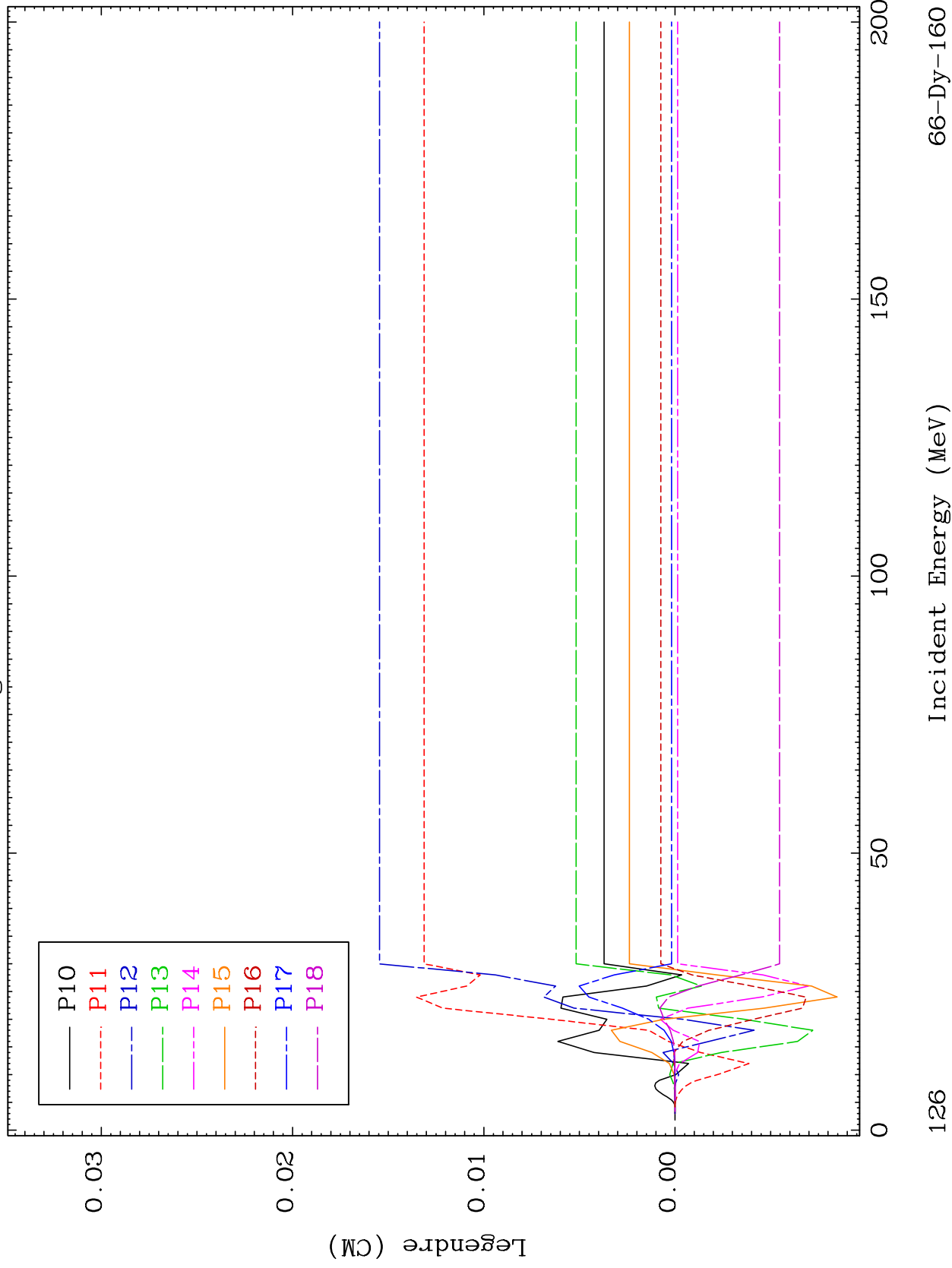
Incident Energy (MeV)

125

MAT 6637

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

66-Dy-160



126

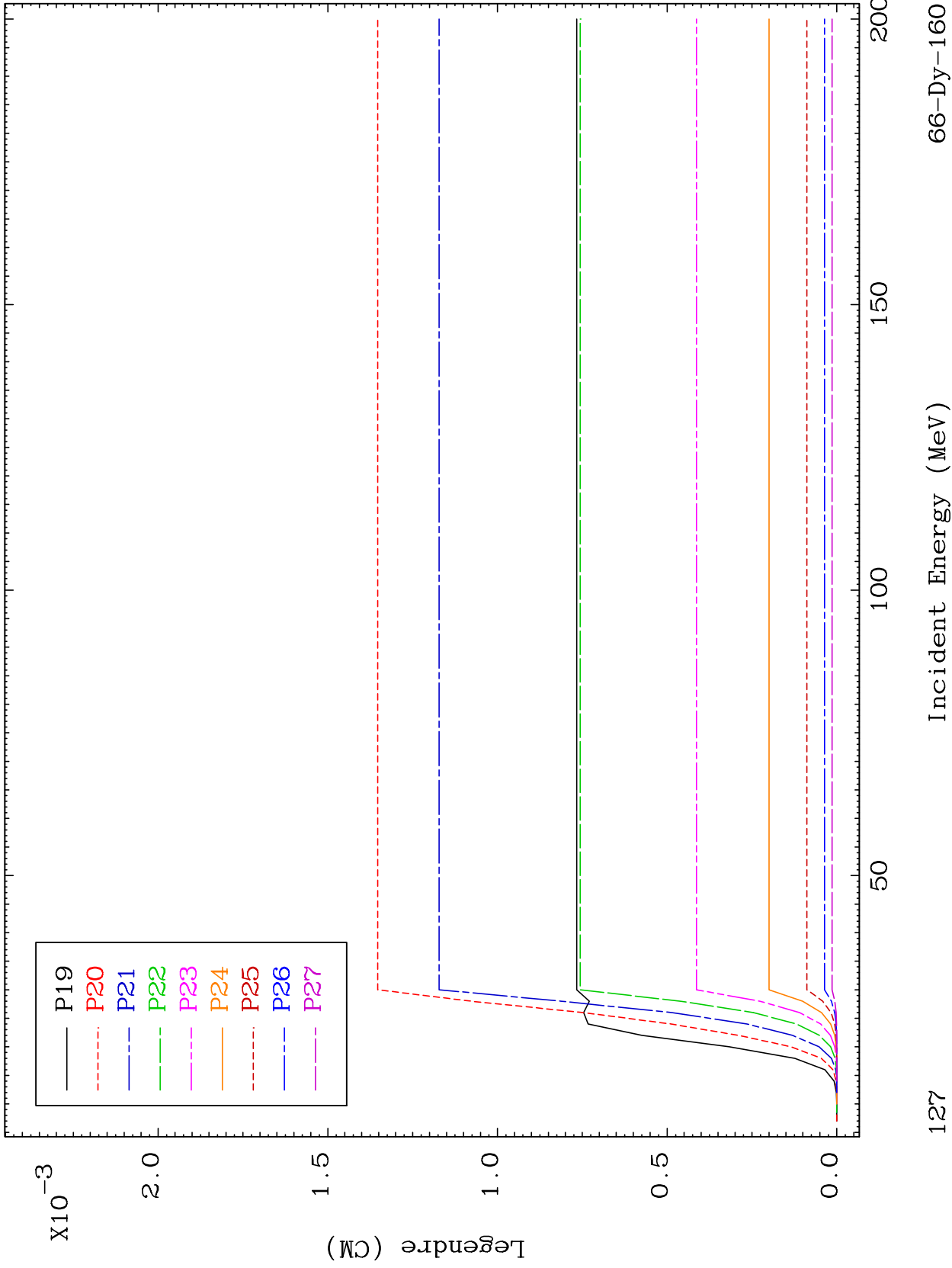
Incident Energy (MeV)

66-Dy-160

MAT 6637

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

66-Dy-160



127

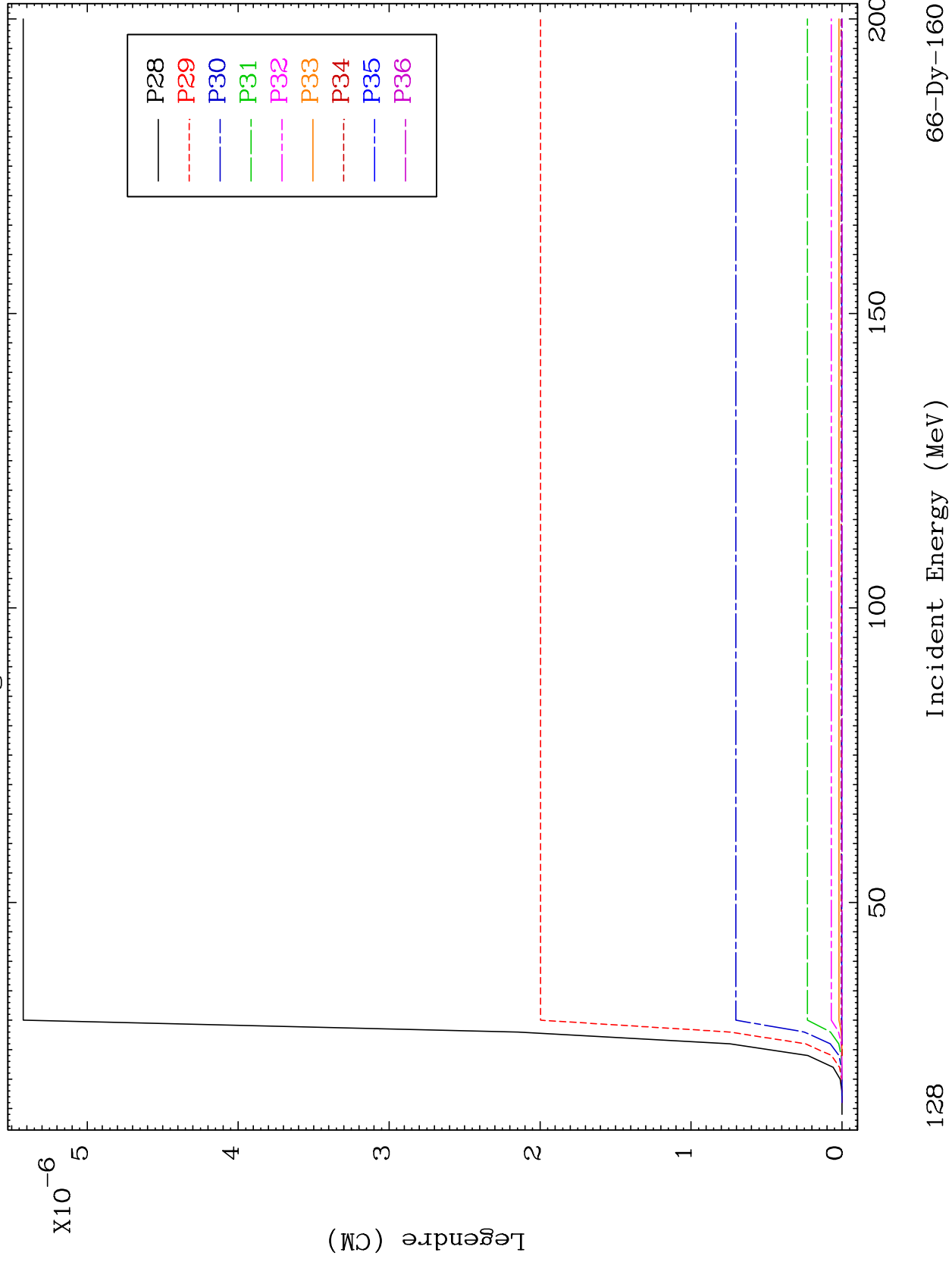
Incident Energy (MeV)

66-Dy-160

MAT 6637

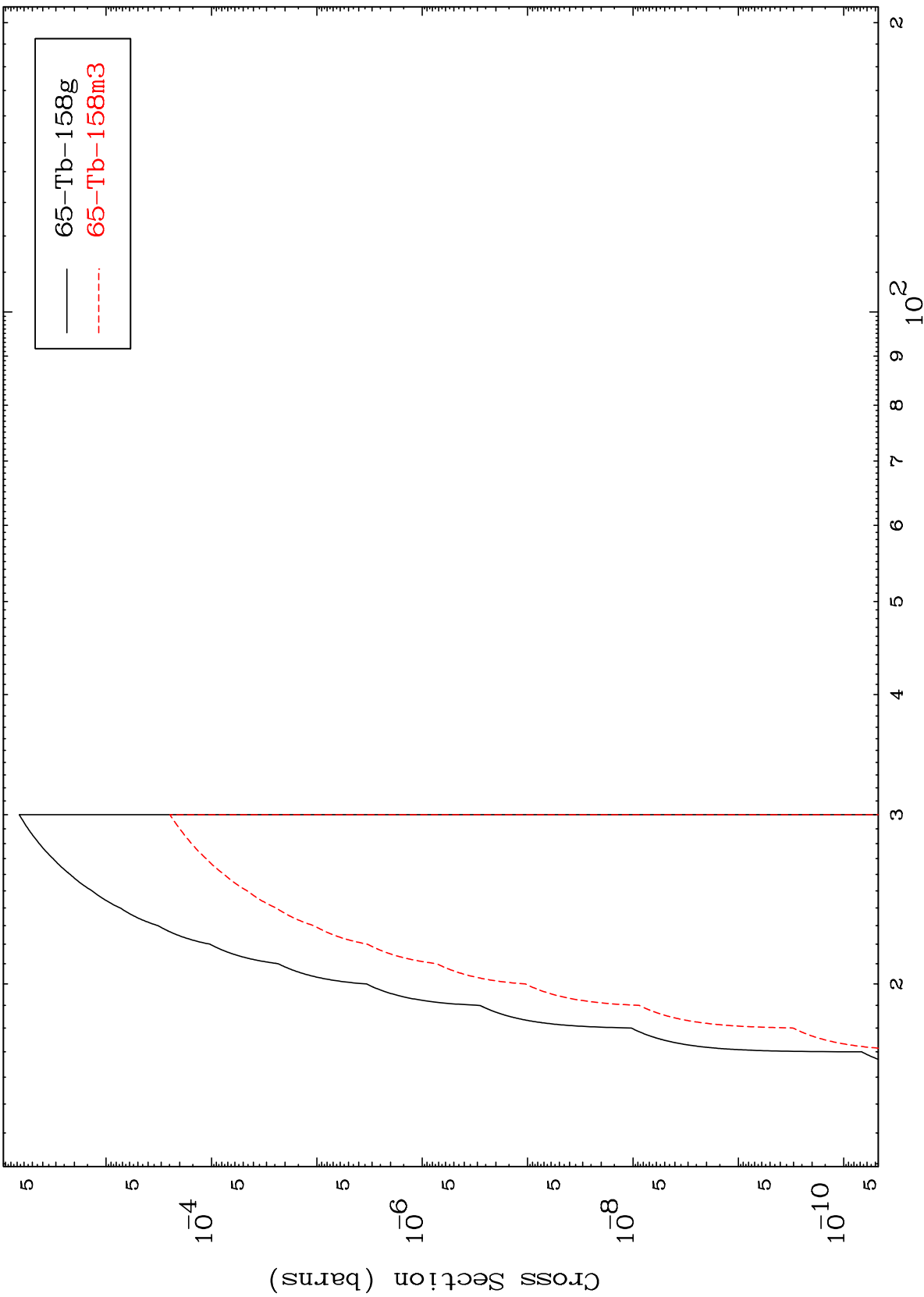
MT= 80 (n,n') Level
Legendre Coefficients

66-Dy-160



128

Radionuclide Production Cross Section

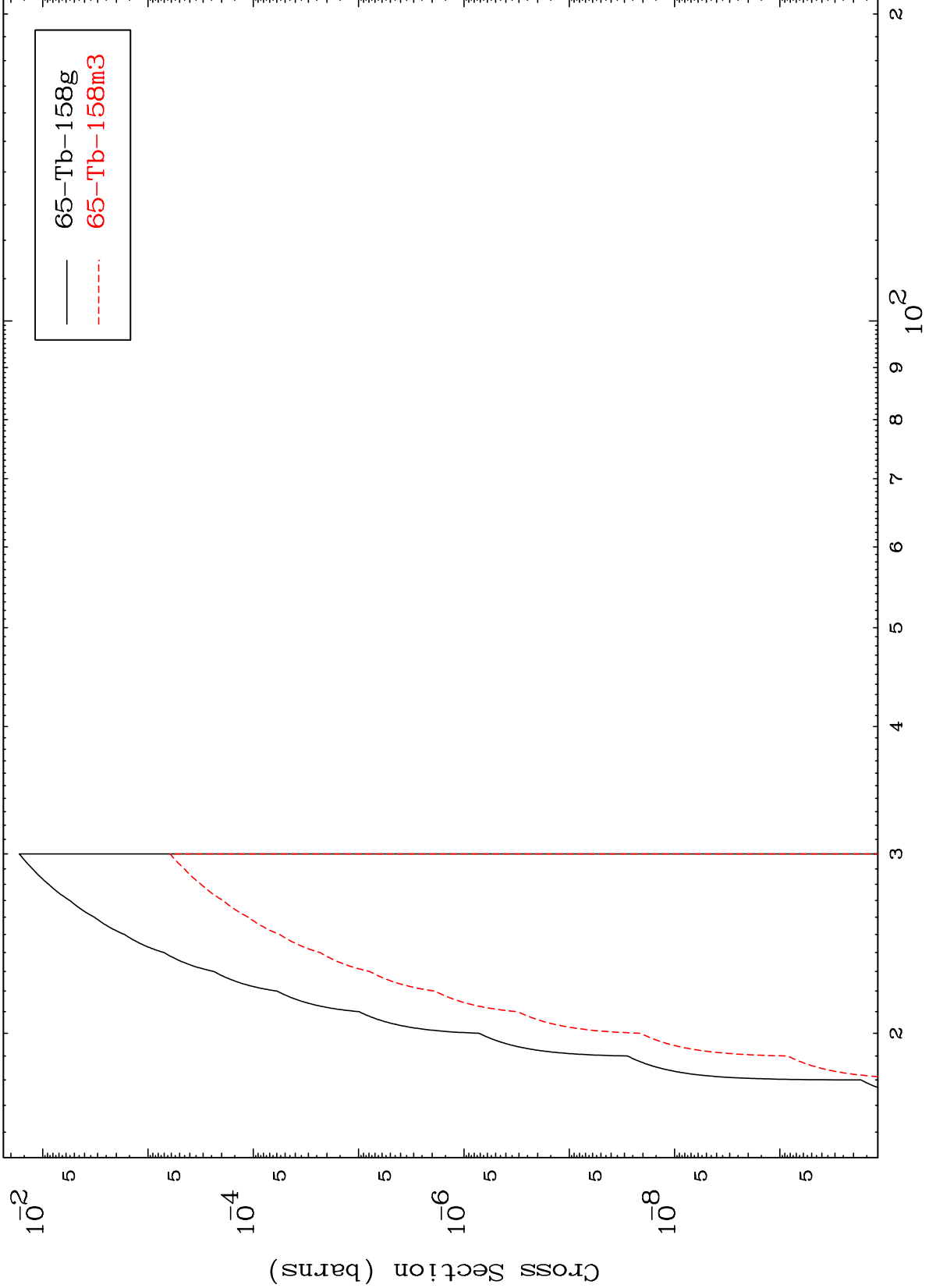


MAT 6637

(n,2n) p

66-Dy-160

Radionuclide Production Cross Section



65-Tb-158g
65-Tb-158m3

130

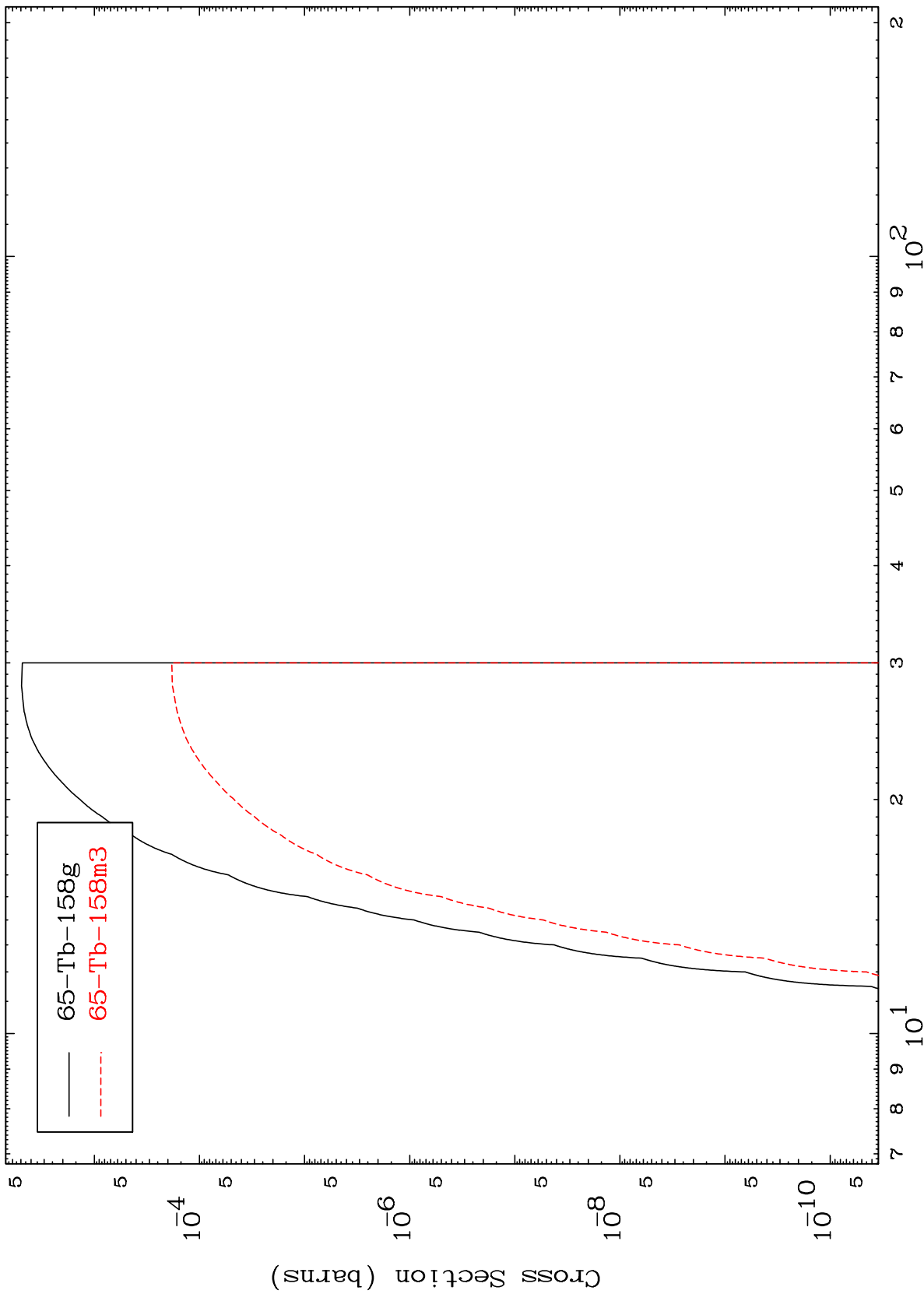
Incident Energy (MeV)

66-Dy-160

MAT 6637

66-Dy-160

(n,t)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

66-Dy-160