

Program EVALPLOT  
(Version 2021-1)

by

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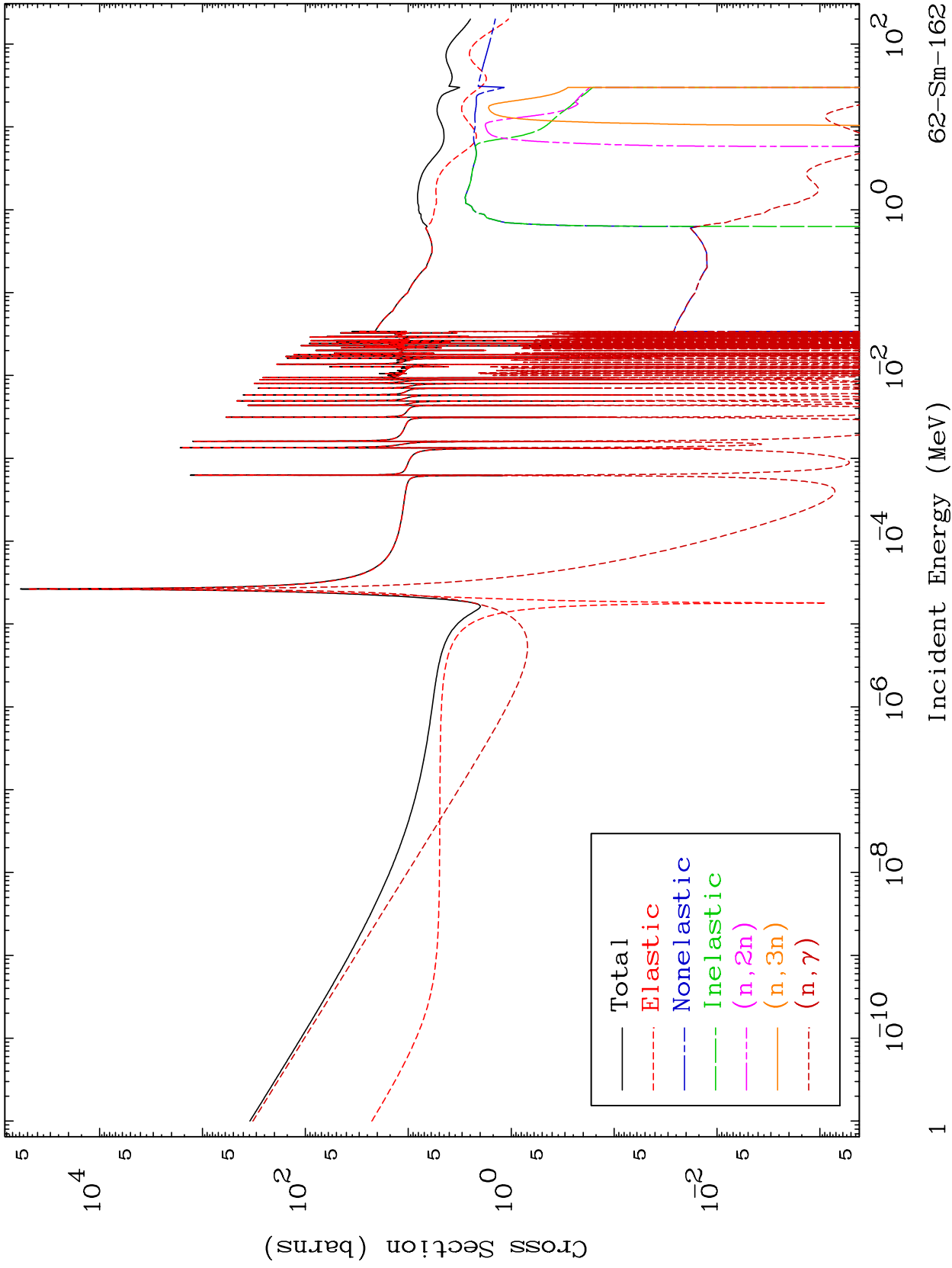
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6279

Neutron Major  
293 Kelvin Cross Sections

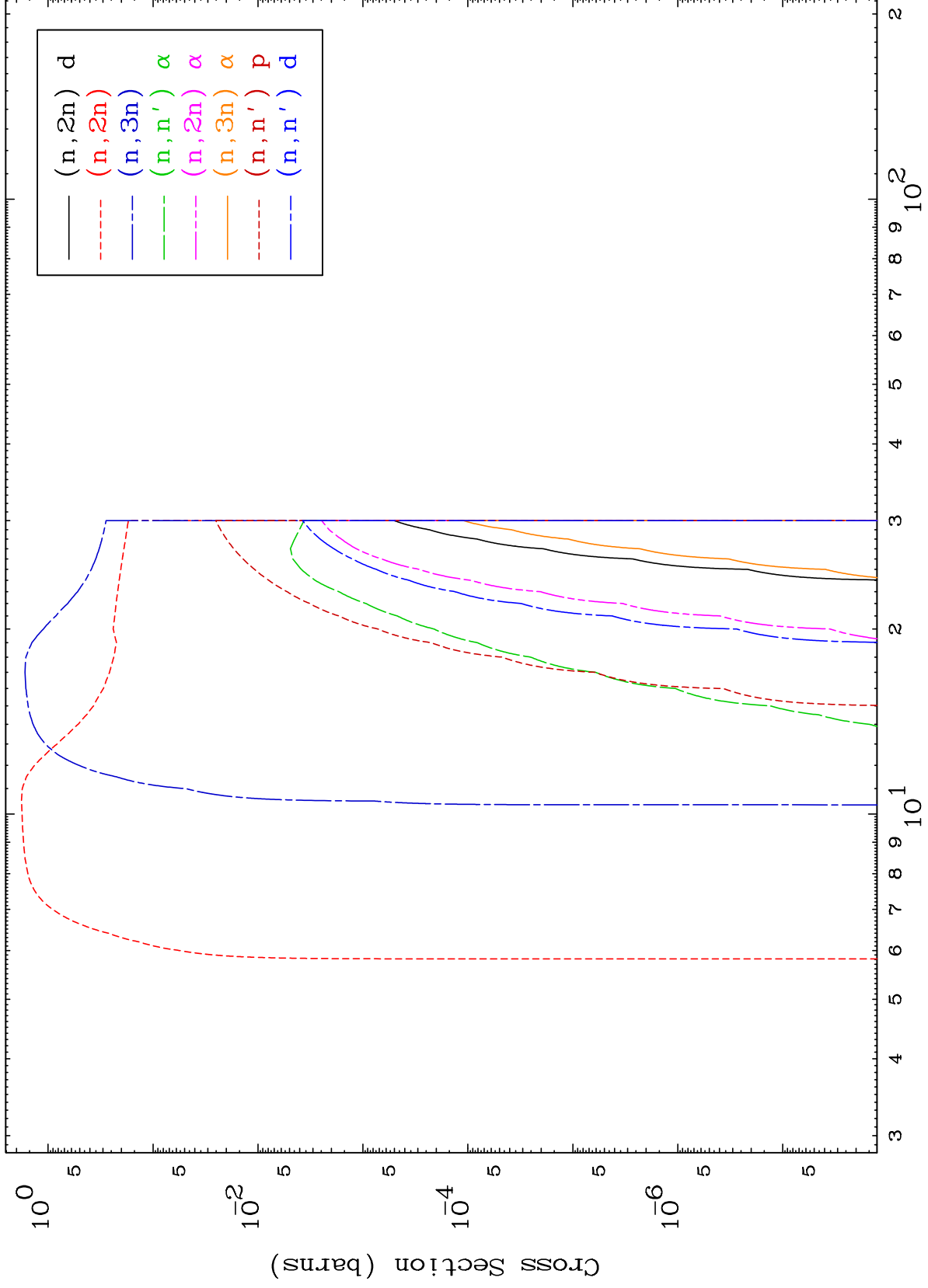
62-Sm-162



MAT 6279

Neutron Absorption  
293 Kelvin Cross Sections

62-Sm-162



2

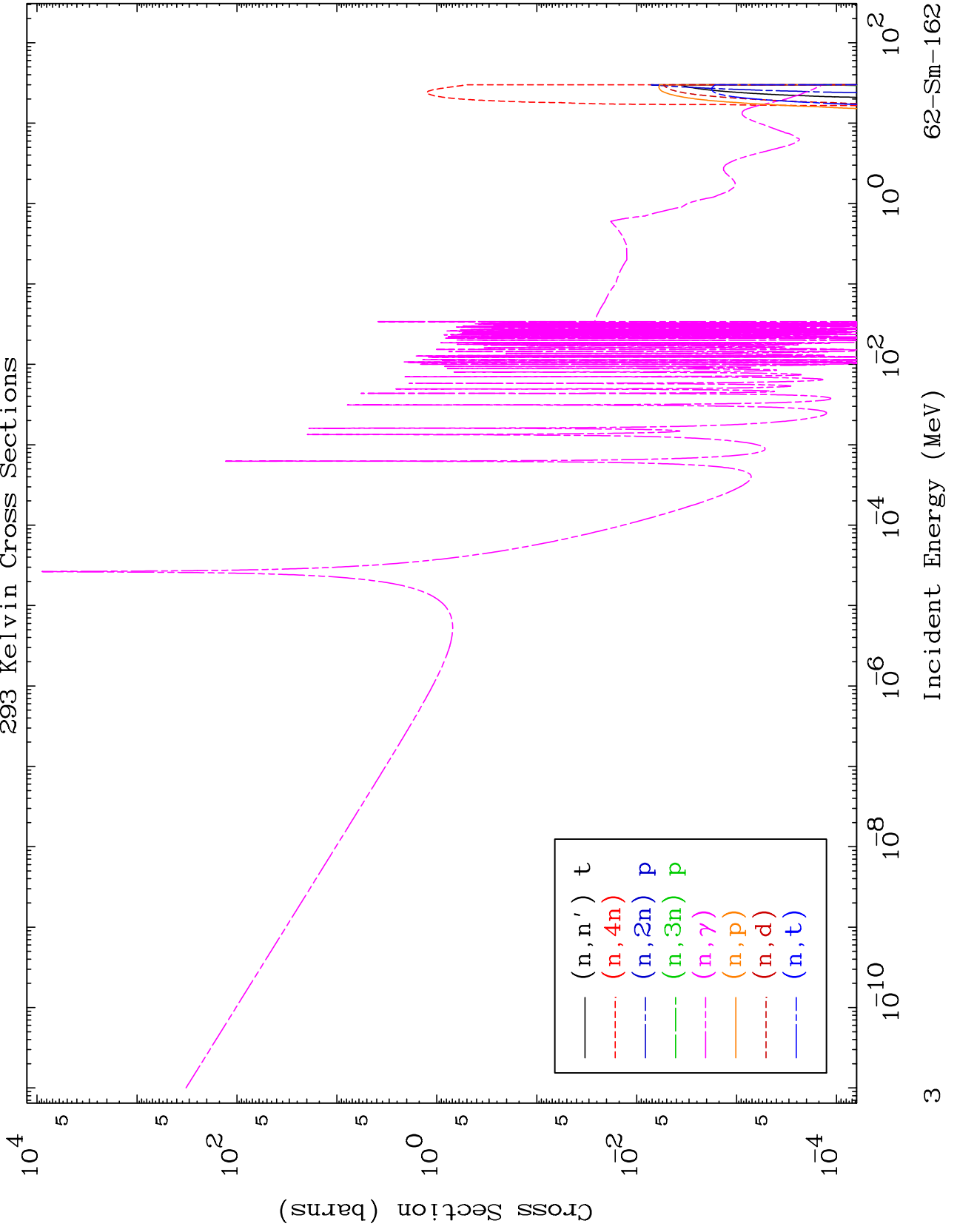
Incident Energy (MeV)

62-Sm-162

MAT 6279

Neutron Absorption  
293 Kelvin Cross Sections

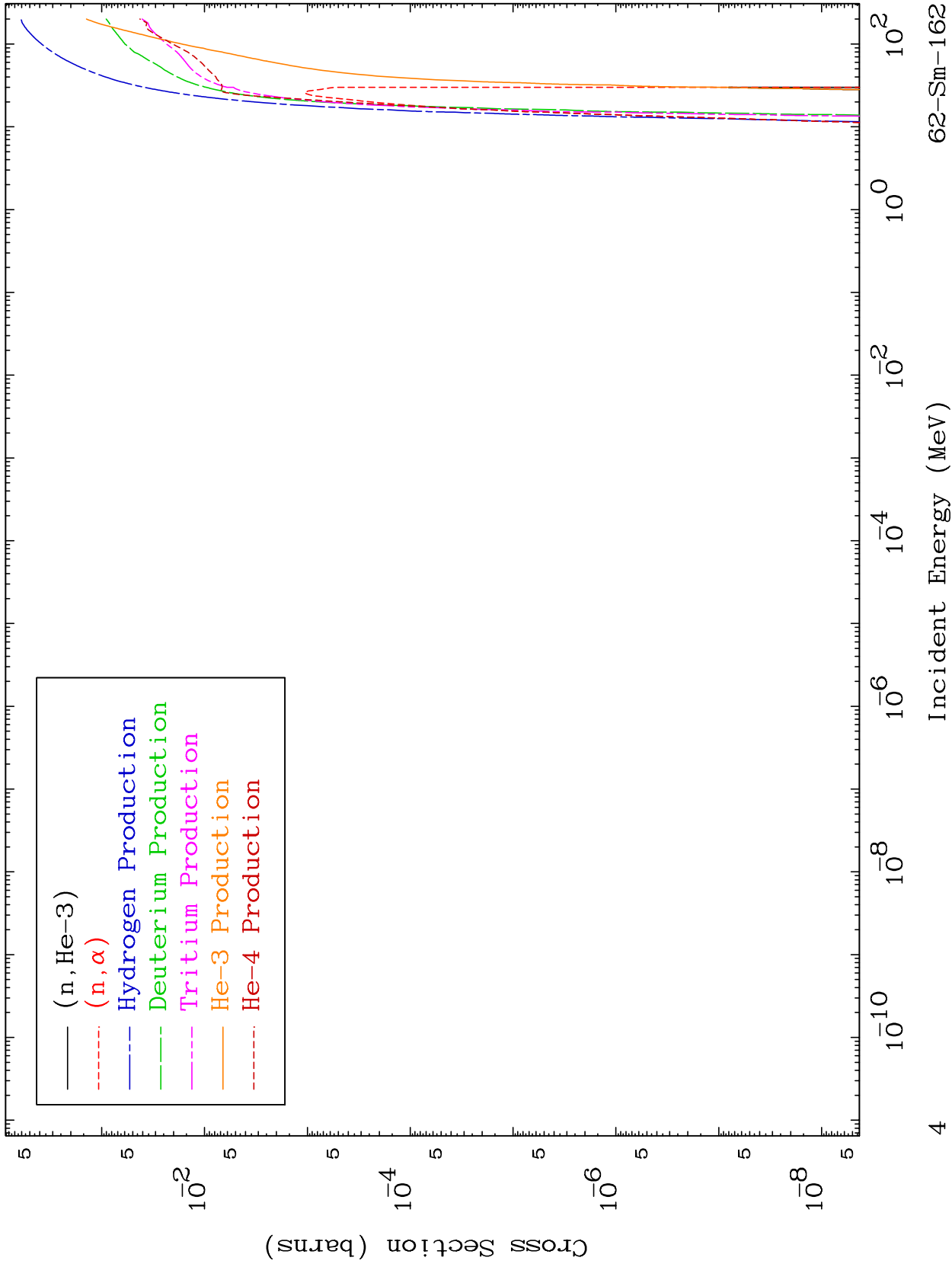
62-Sm-162

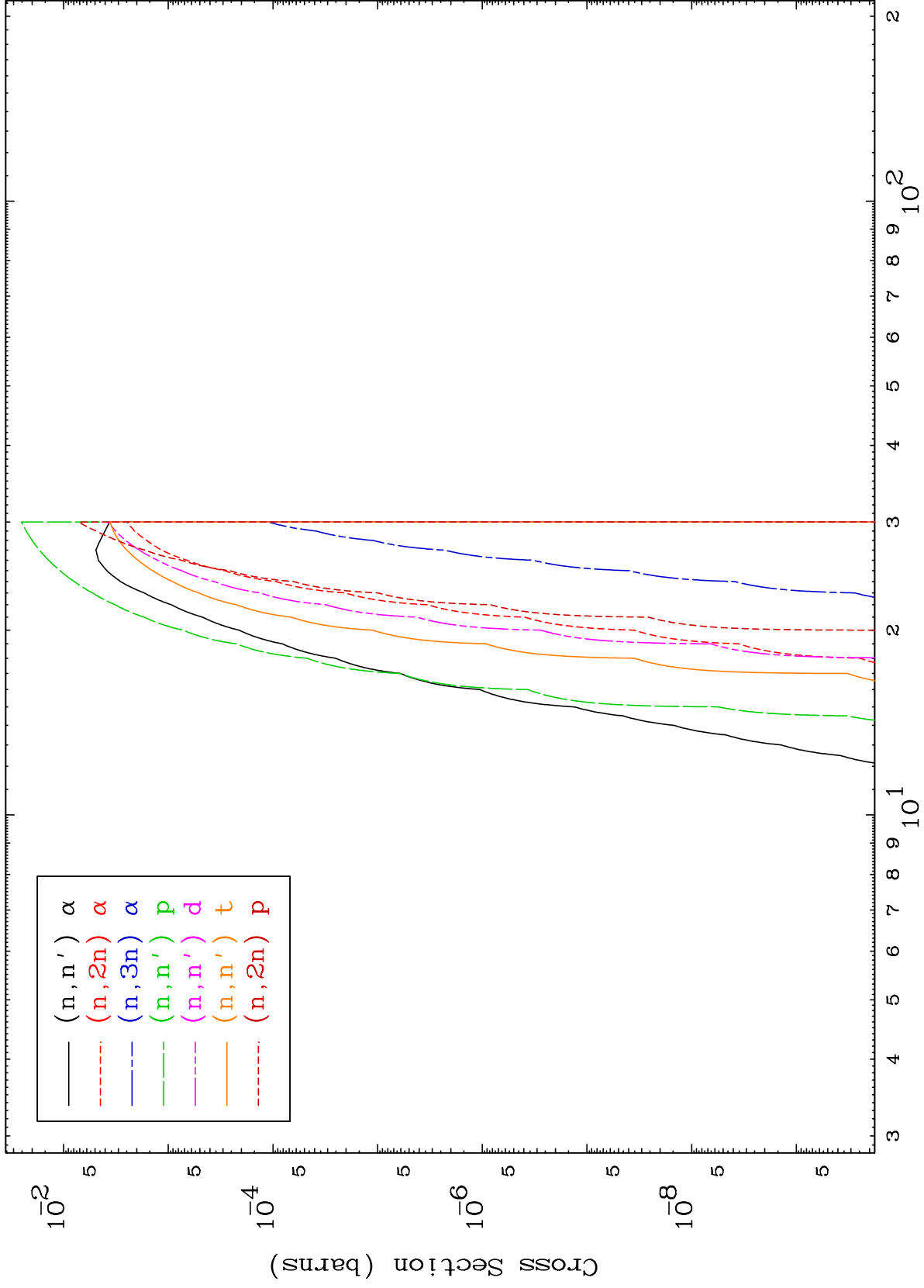


MAT 6279

Neutron Absorption  
293 Kelvin Cross Sections

62-Sm-162

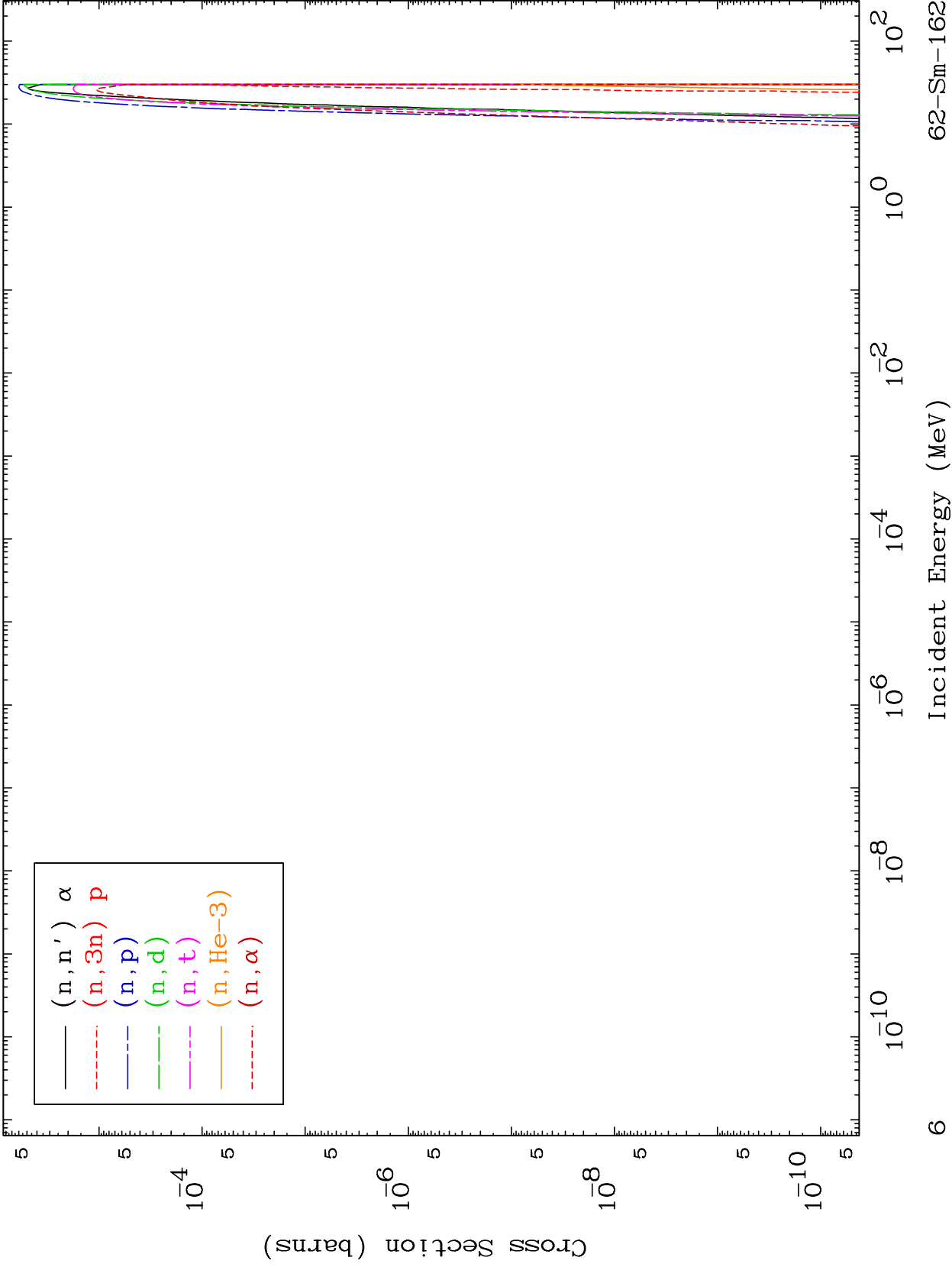


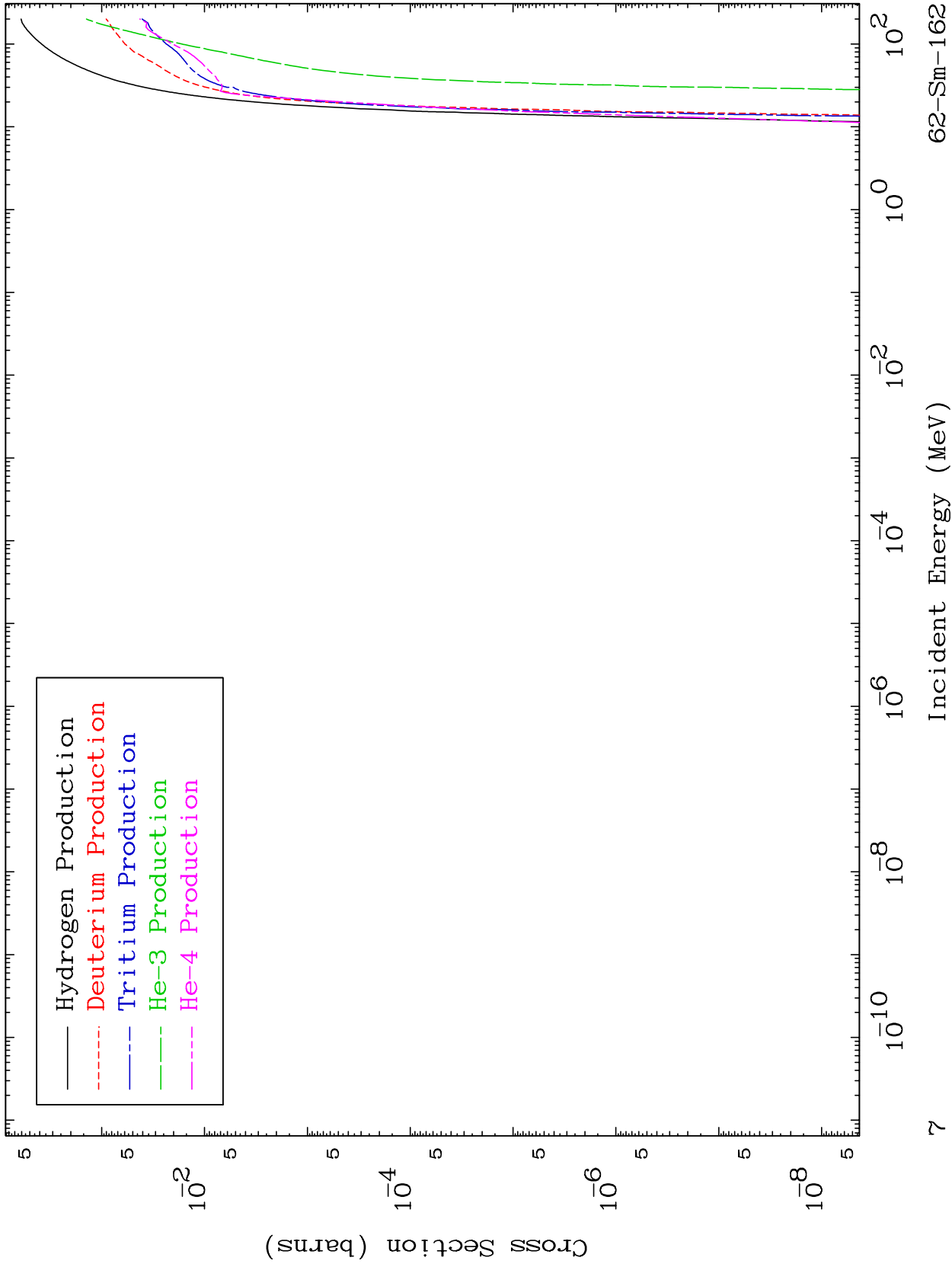


MAT 6279

Charged Particle  
293 Kelvin Cross Sections

62-Sm-162



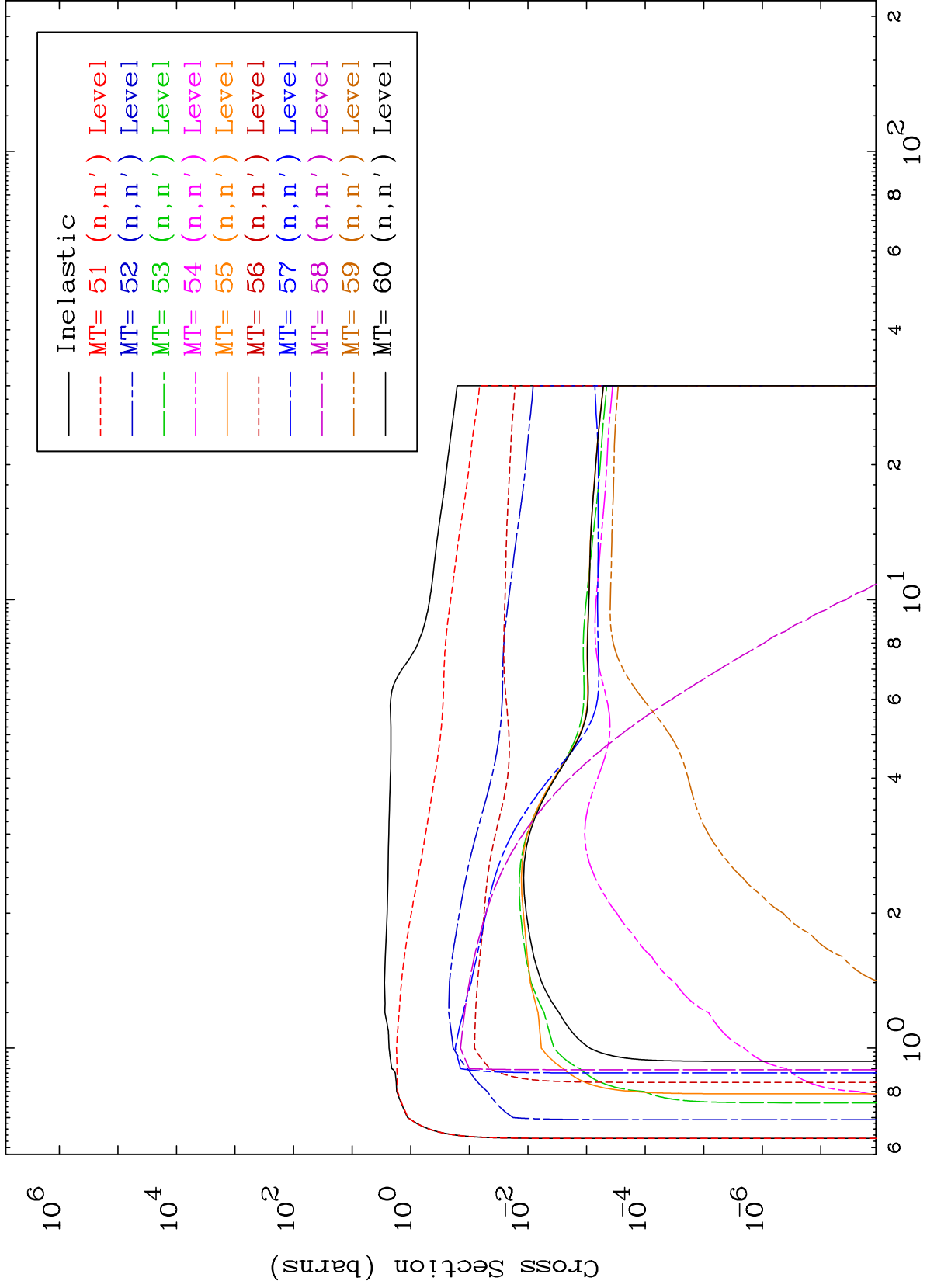


MAT 6279

(n,n') Levels

62-Sm-162

293 Kelvin Cross Sections



8

Incident Energy (MeV)

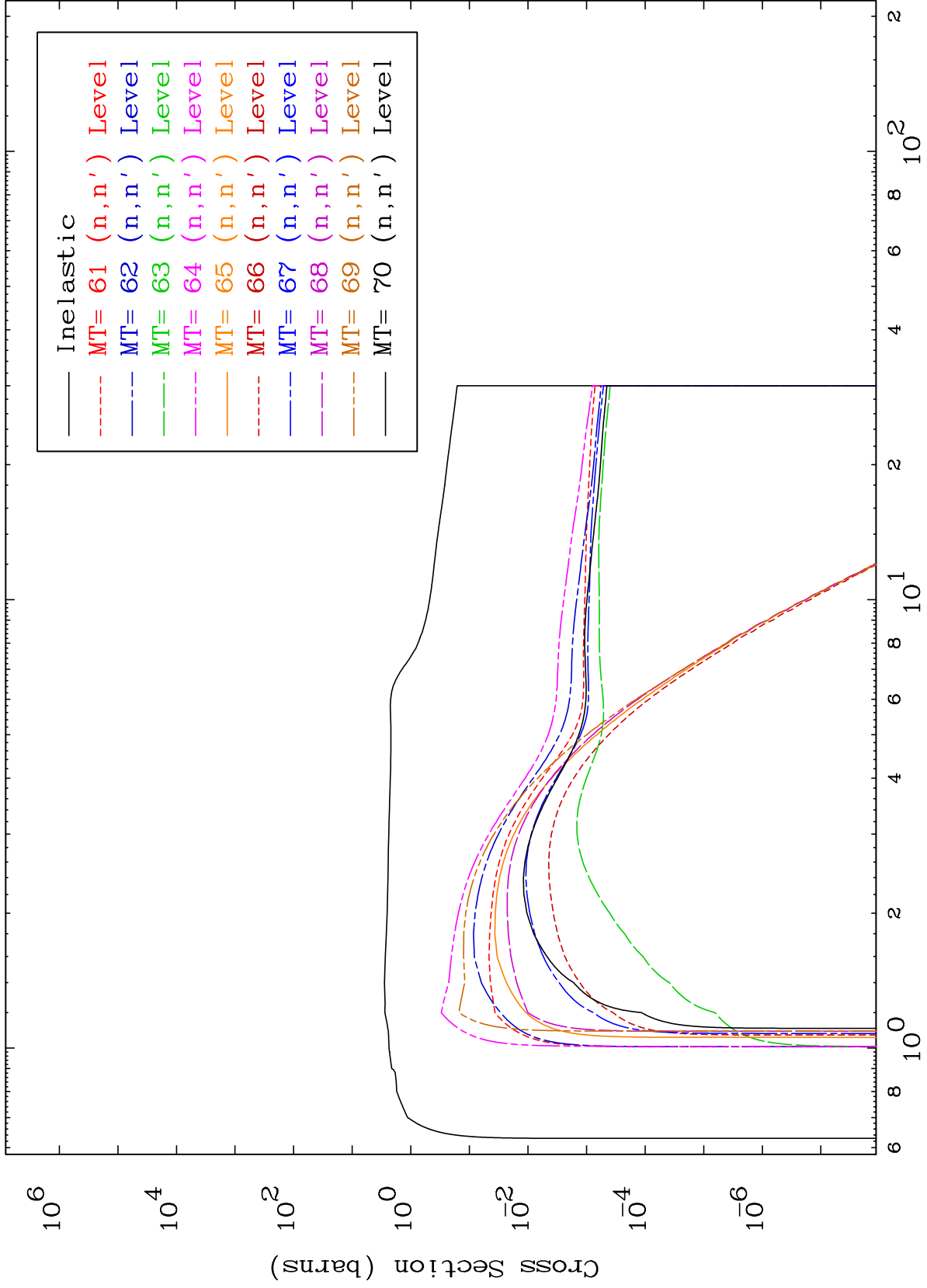
62-Sm-162

MAT 6279

(n,n') Levels

62-Sm-162

293 Kelvin Cross Sections



9

Incident Energy (MeV)

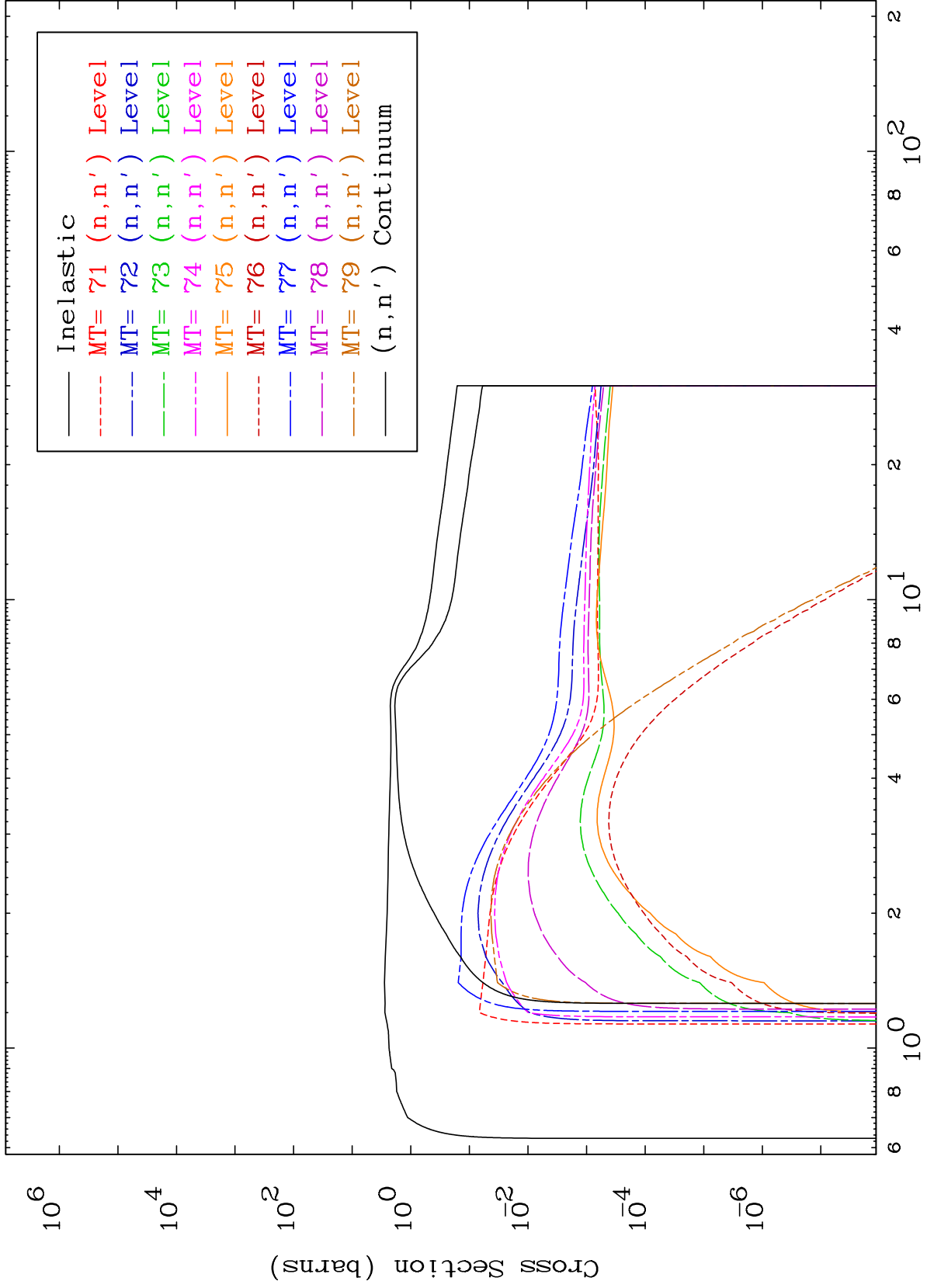
62-Sm-162

MAT 6279

(n,n') Levels

62-Sm-162

293 Kelvin Cross Sections



10

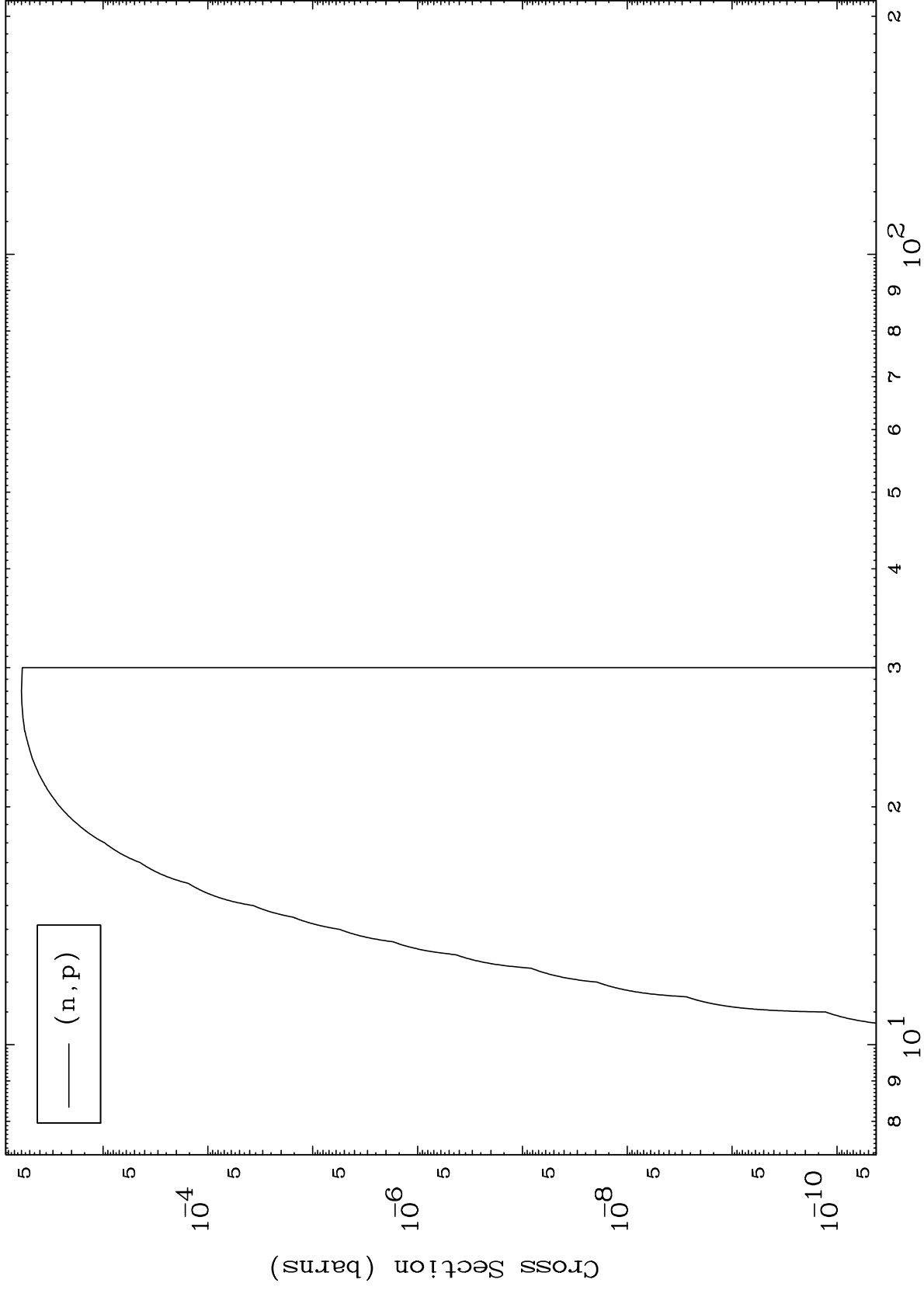
Incident Energy (MeV)

62-Sm-162

MAT 6279

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-162



11

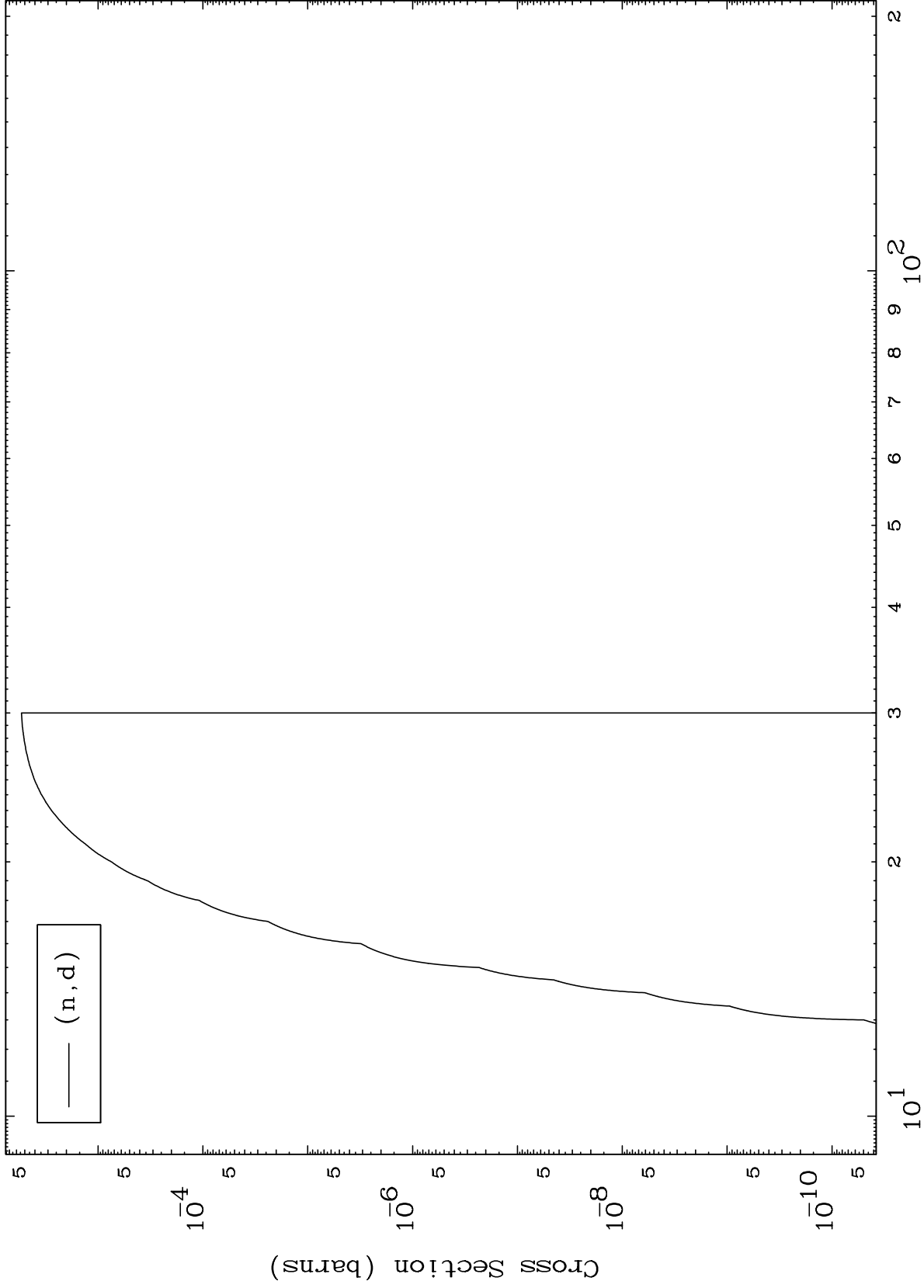
Incident Energy (MeV)

62-Sm-162

MAT 6279

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-162



12

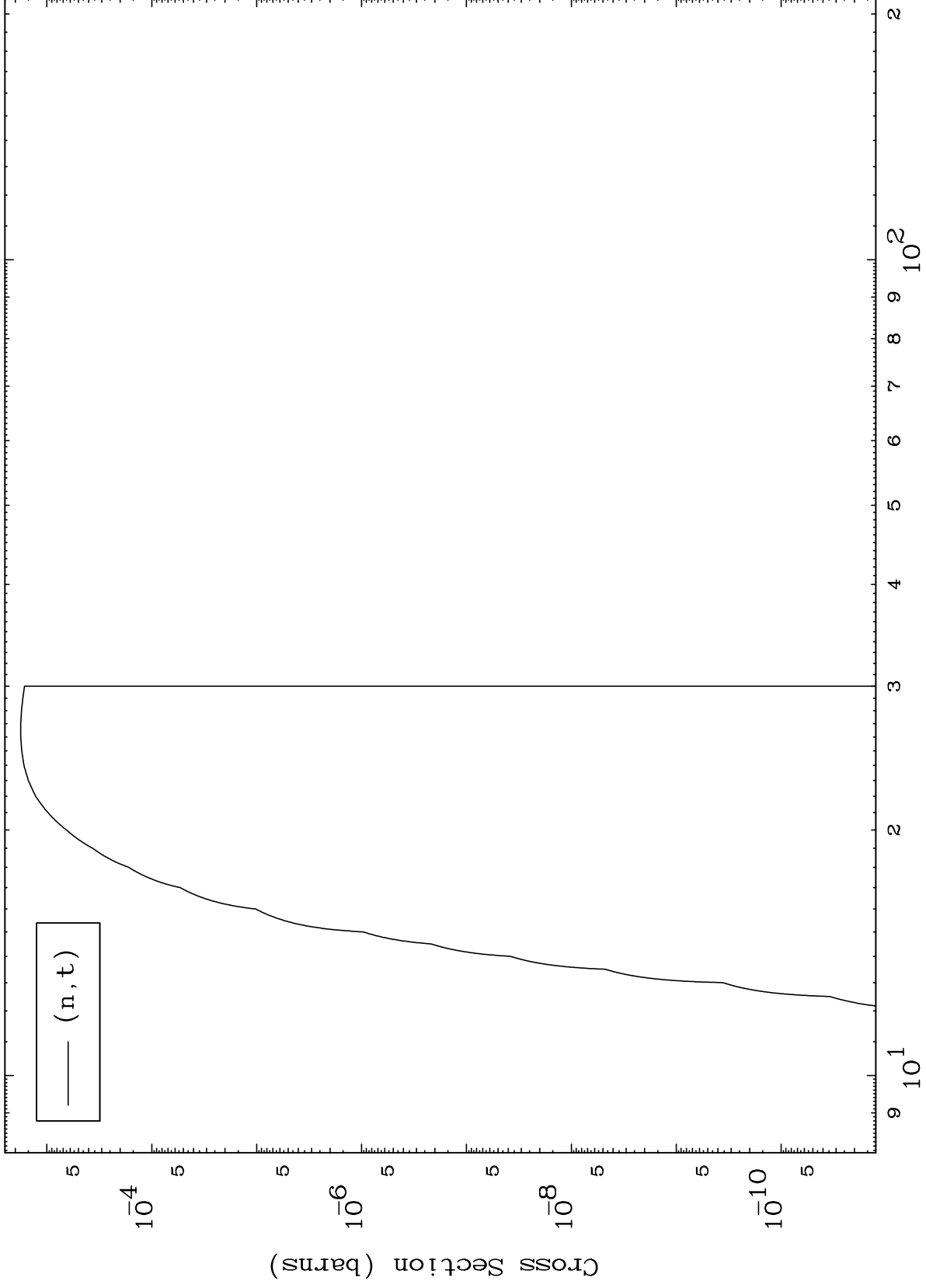
Incident Energy (MeV)

62-Sm-162

MAT 6279

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-162



13

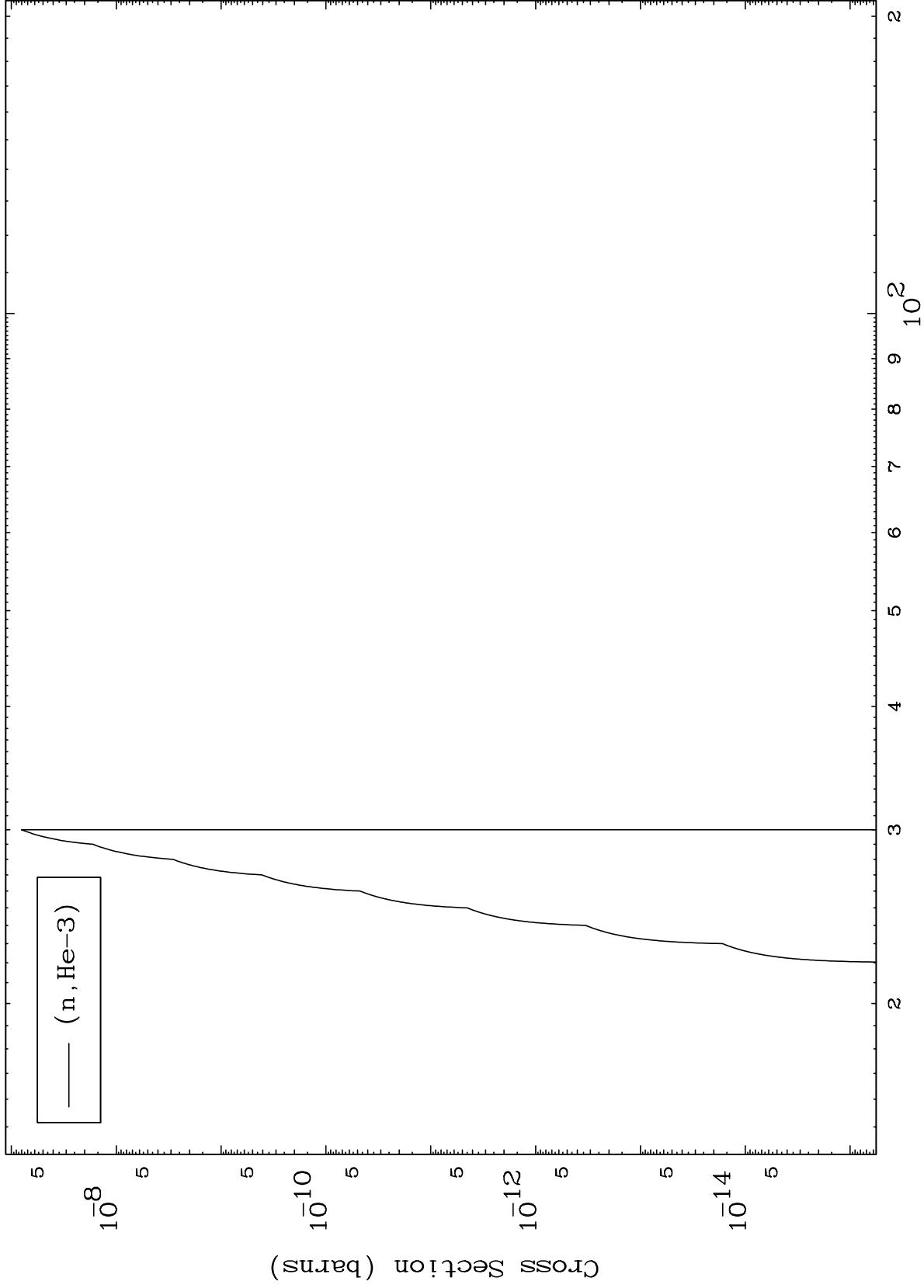
Incident Energy (MeV)

62-Sm-162

MAT 6279

(n,He3) Levels  
293 Kelvin Cross Sections

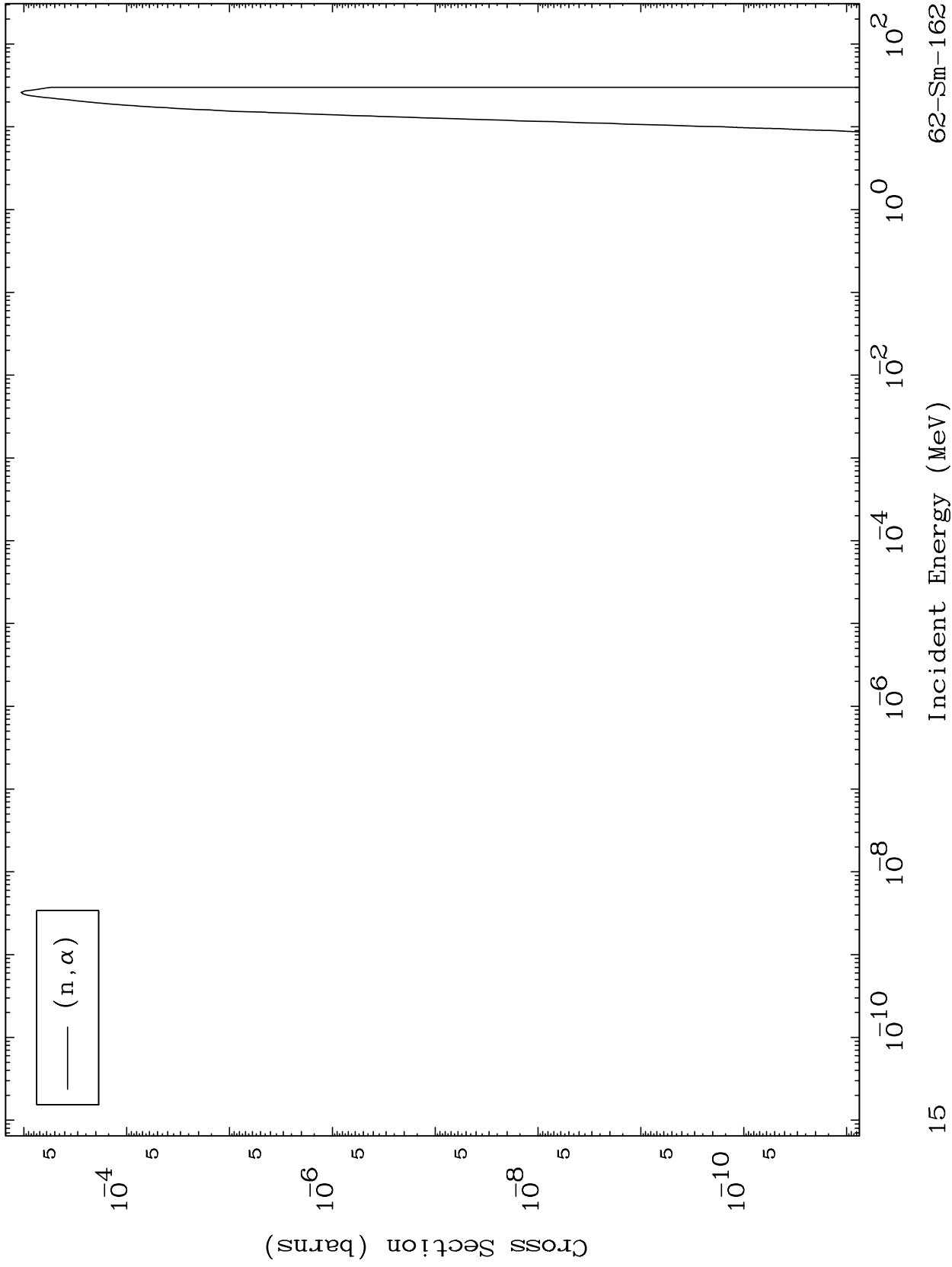
62-Sm-162



MAT 6279

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

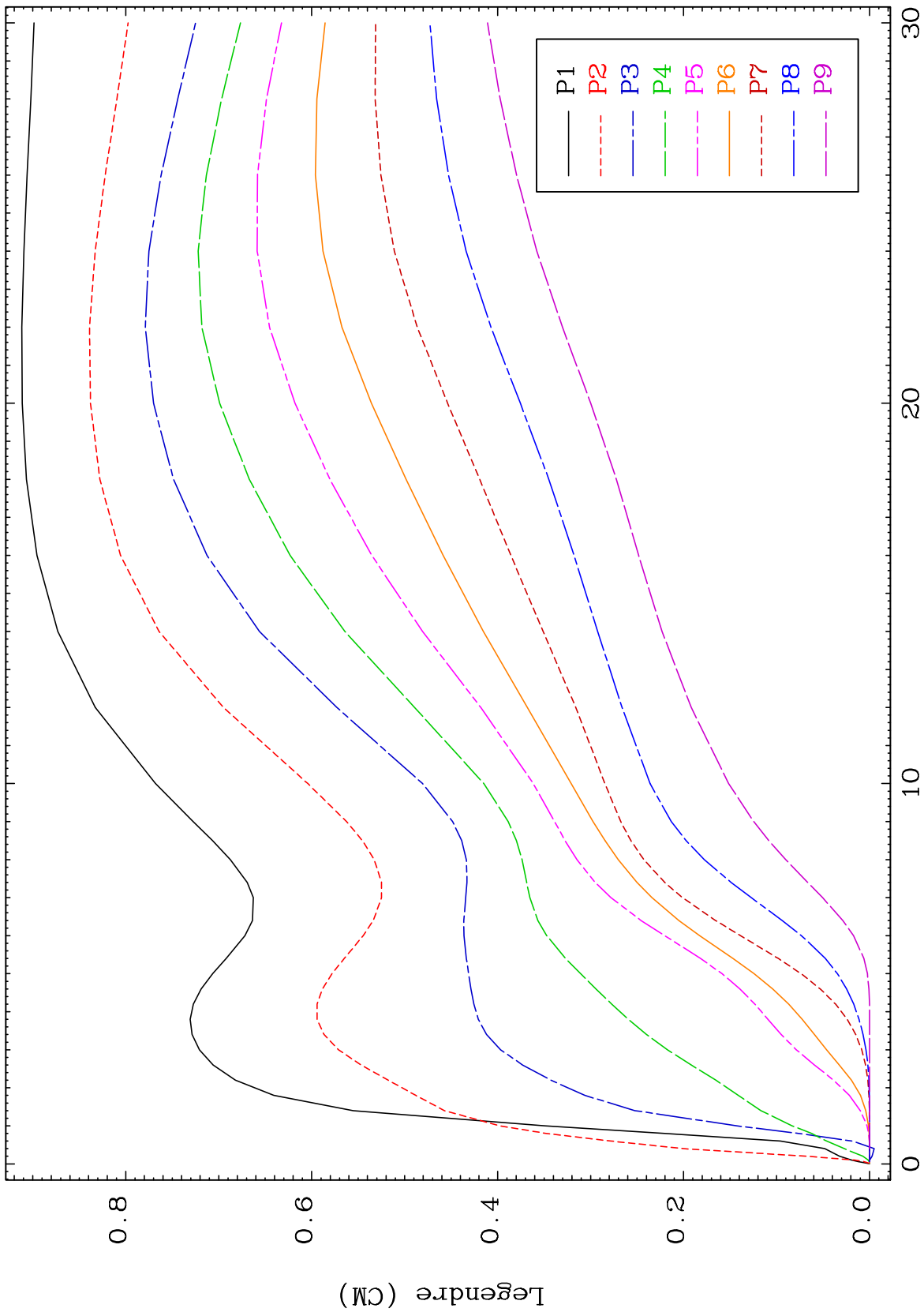
62-Sm-162



MAT 6279

62-Sm-162

Elastic Legendre Coefficients



16

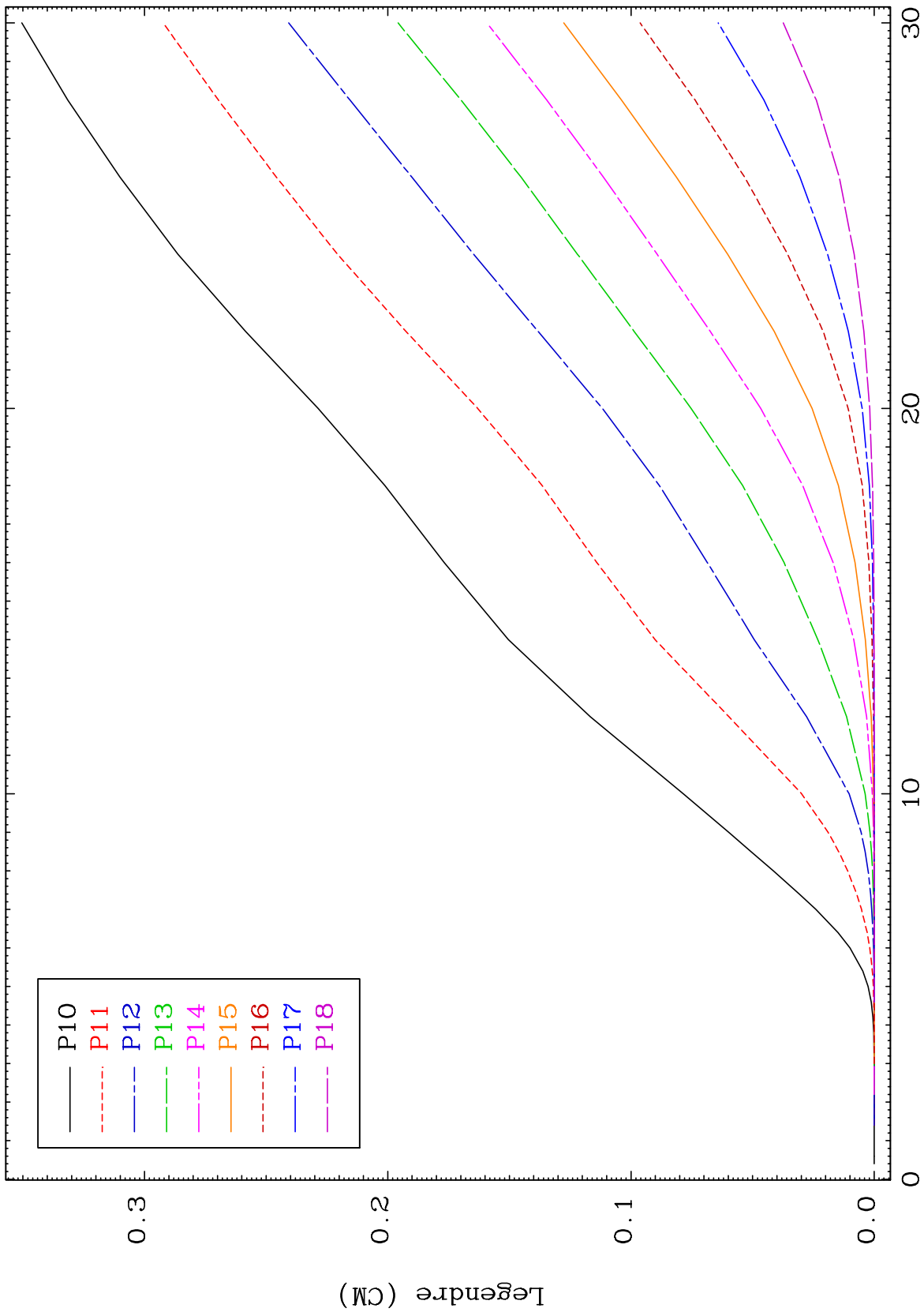
Incident Energy (MeV)

62-Sm-162

MAT 6279

Elastic Legendre Coefficients

62-Sm-162



17

Incident Energy (MeV)

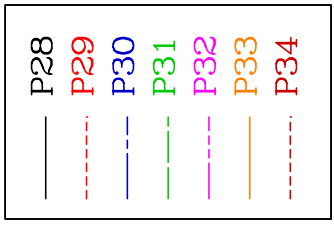
62-Sm-162



MAT 6279

Elastic Legendre Coefficients

62-Sm-162



$\times 10^{-6}$

3

Legendre (CM)

2

1

0

15

20

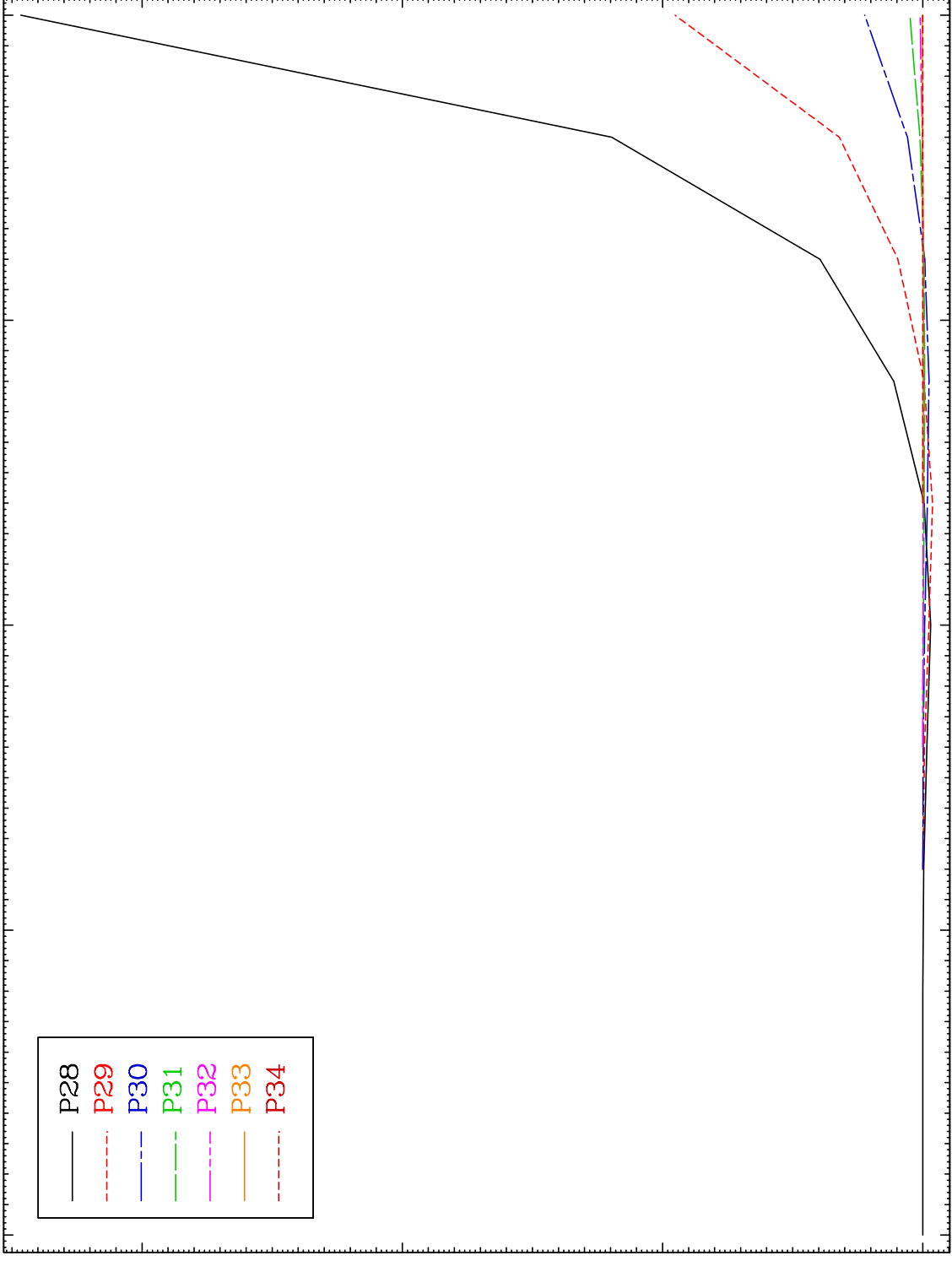
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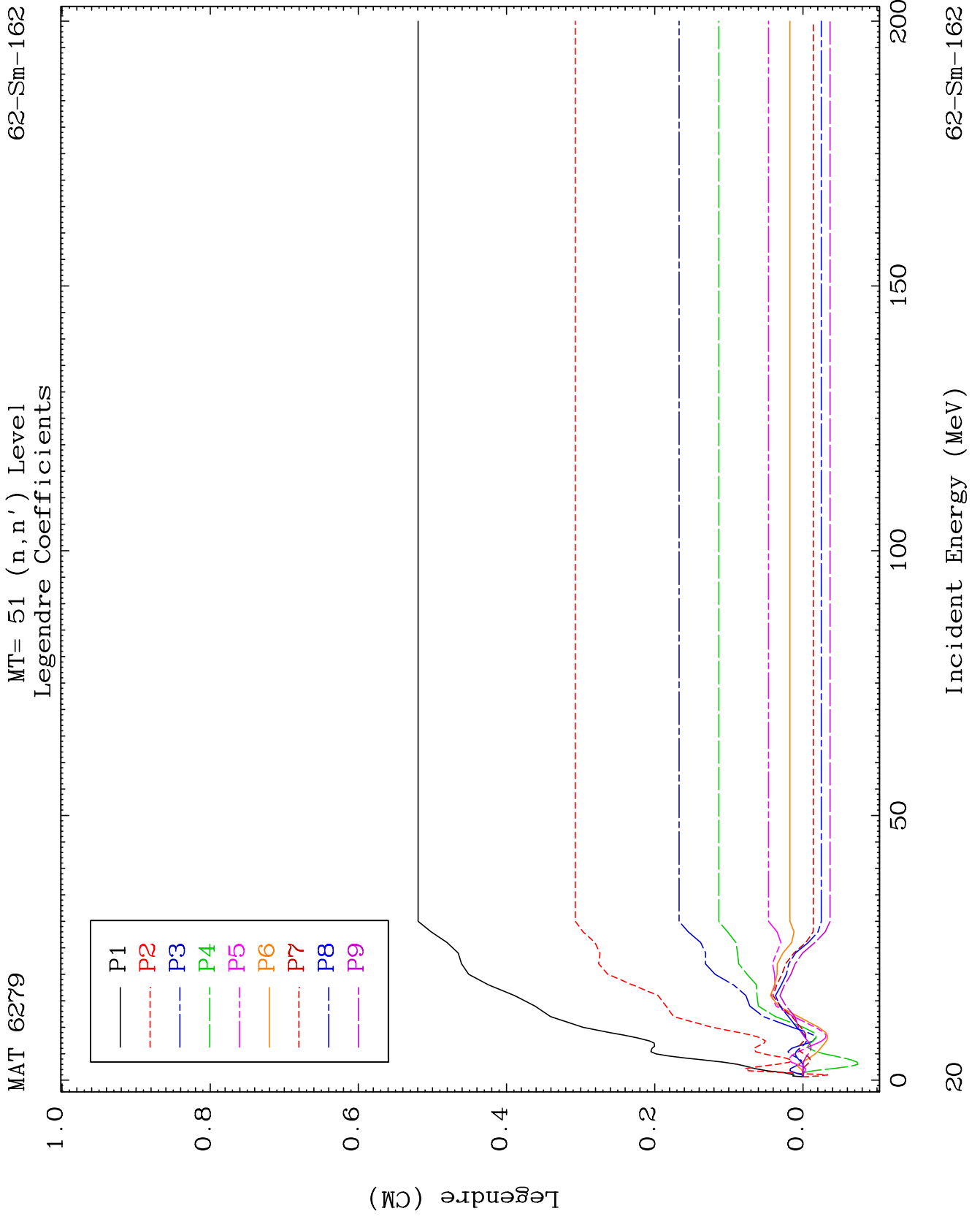
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19

Incident Energy (MeV)

62-Sm-162

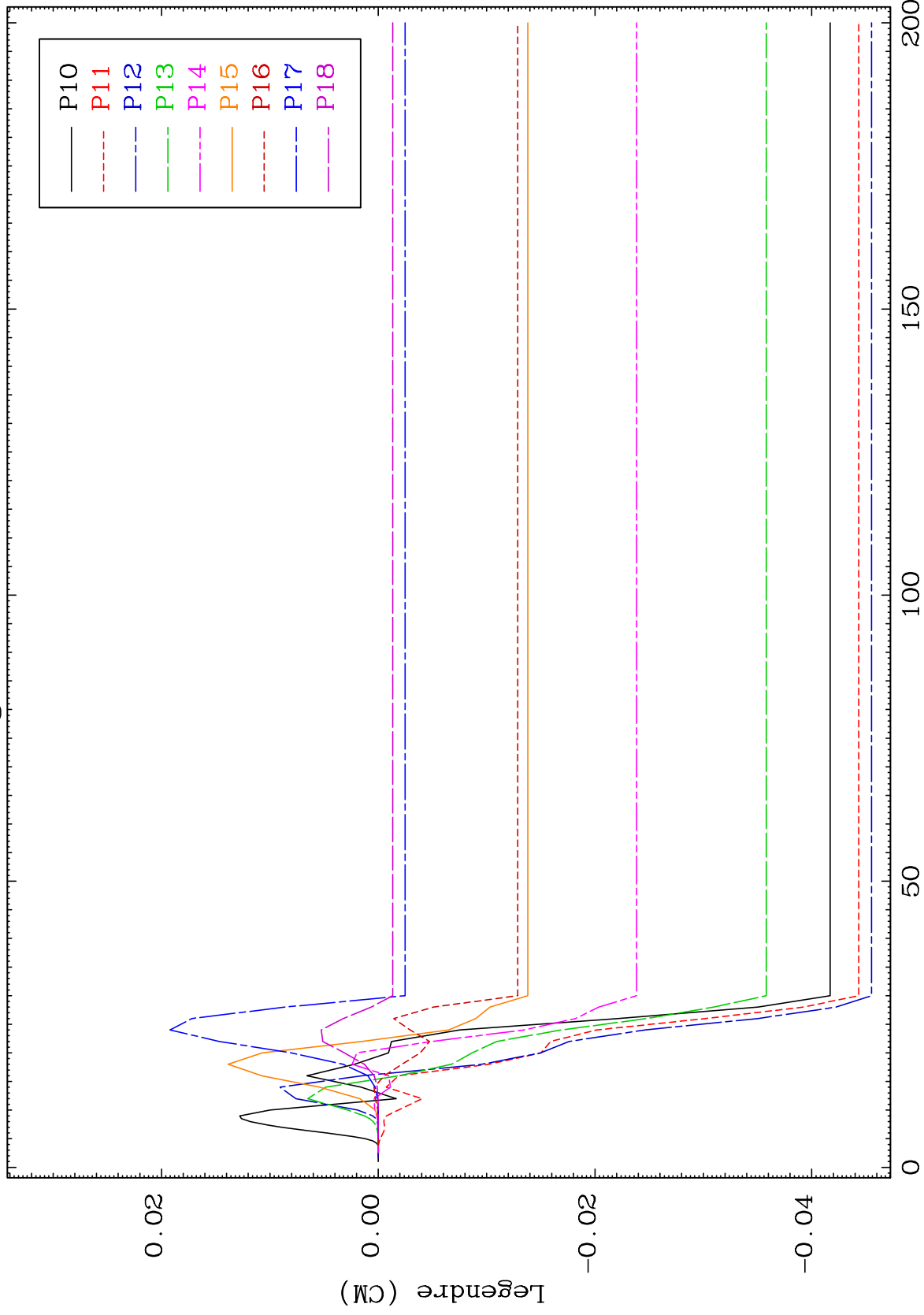




MAT 6279

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

62-Sm-162



21

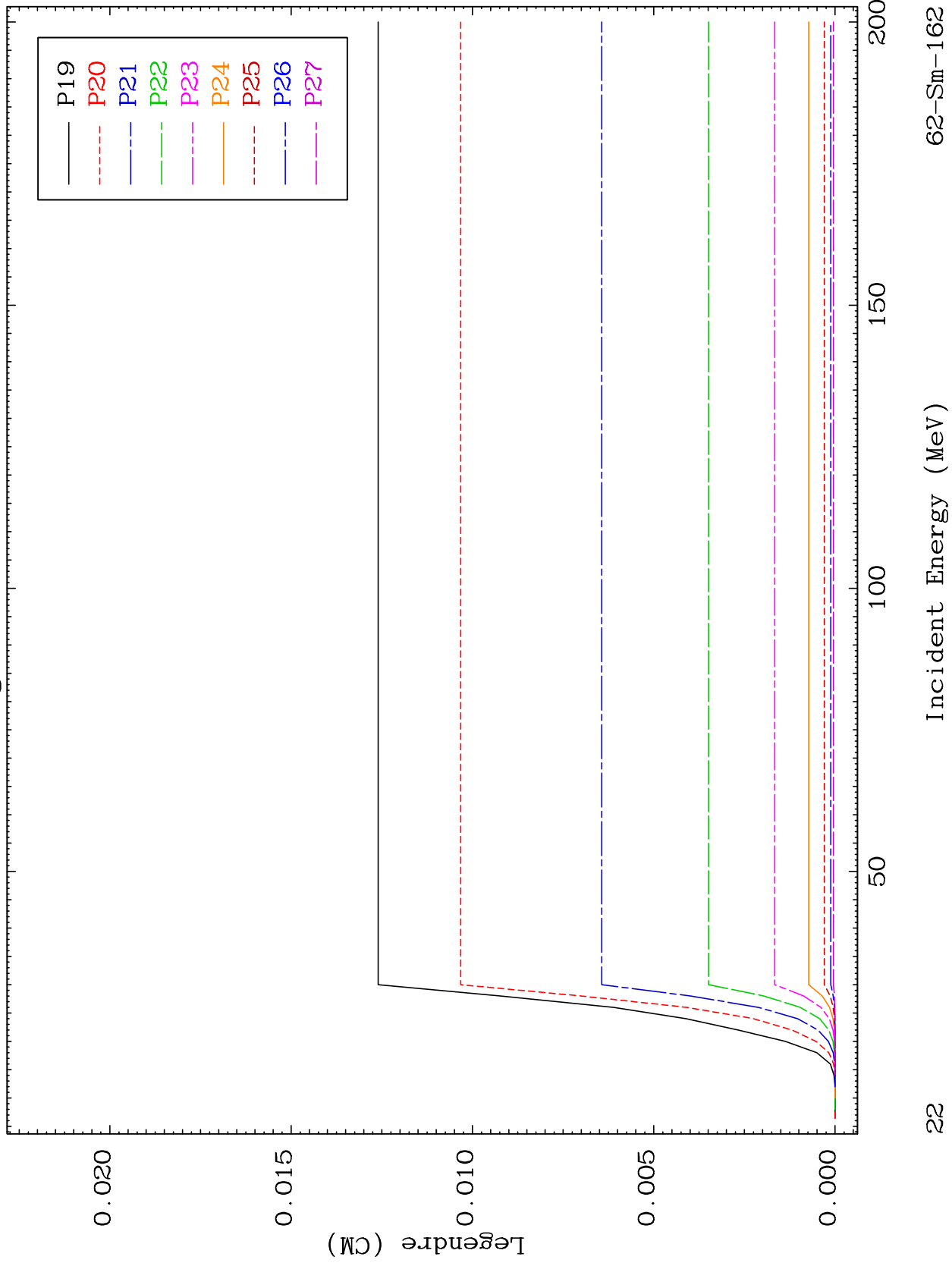
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



22

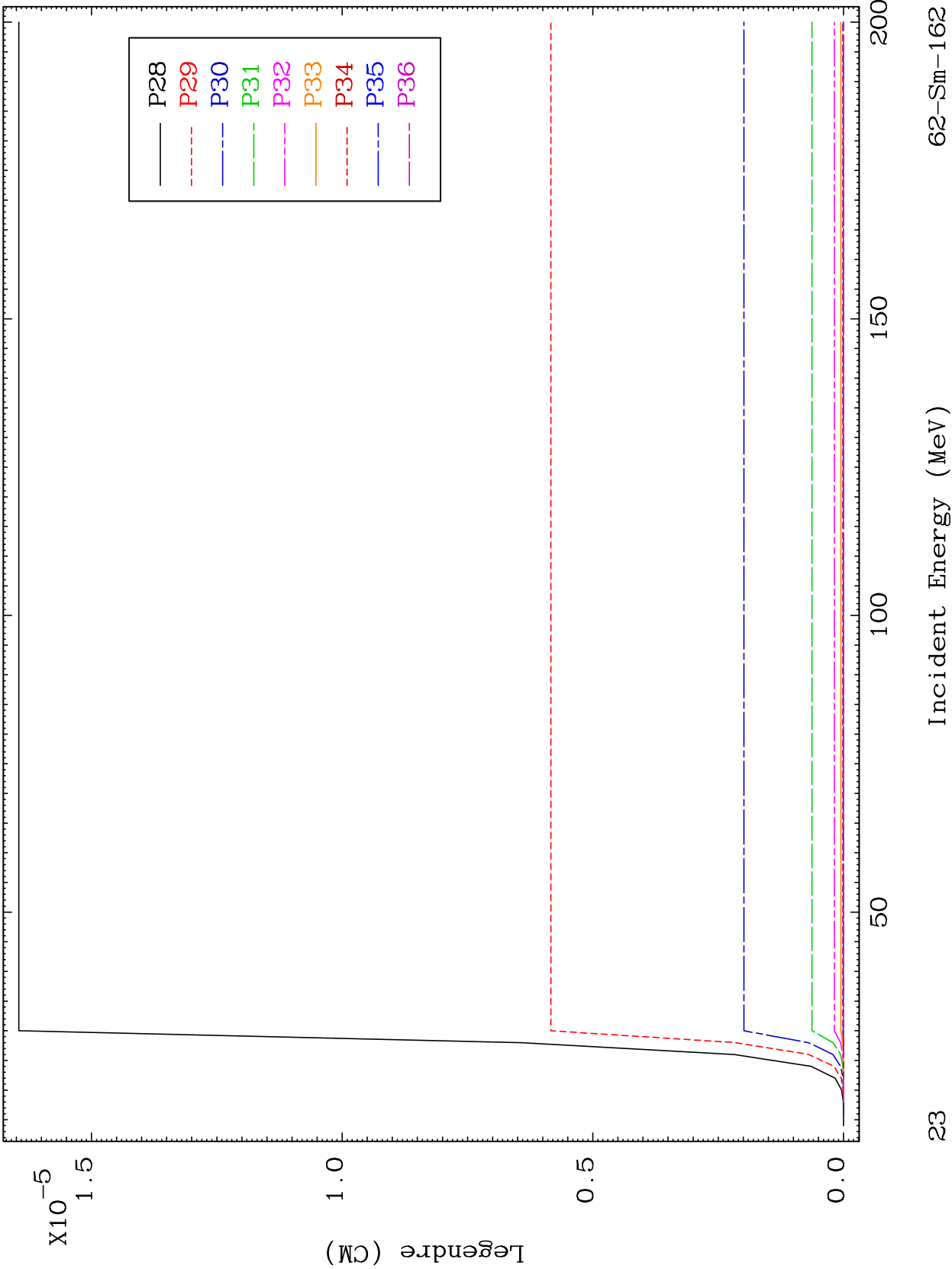
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

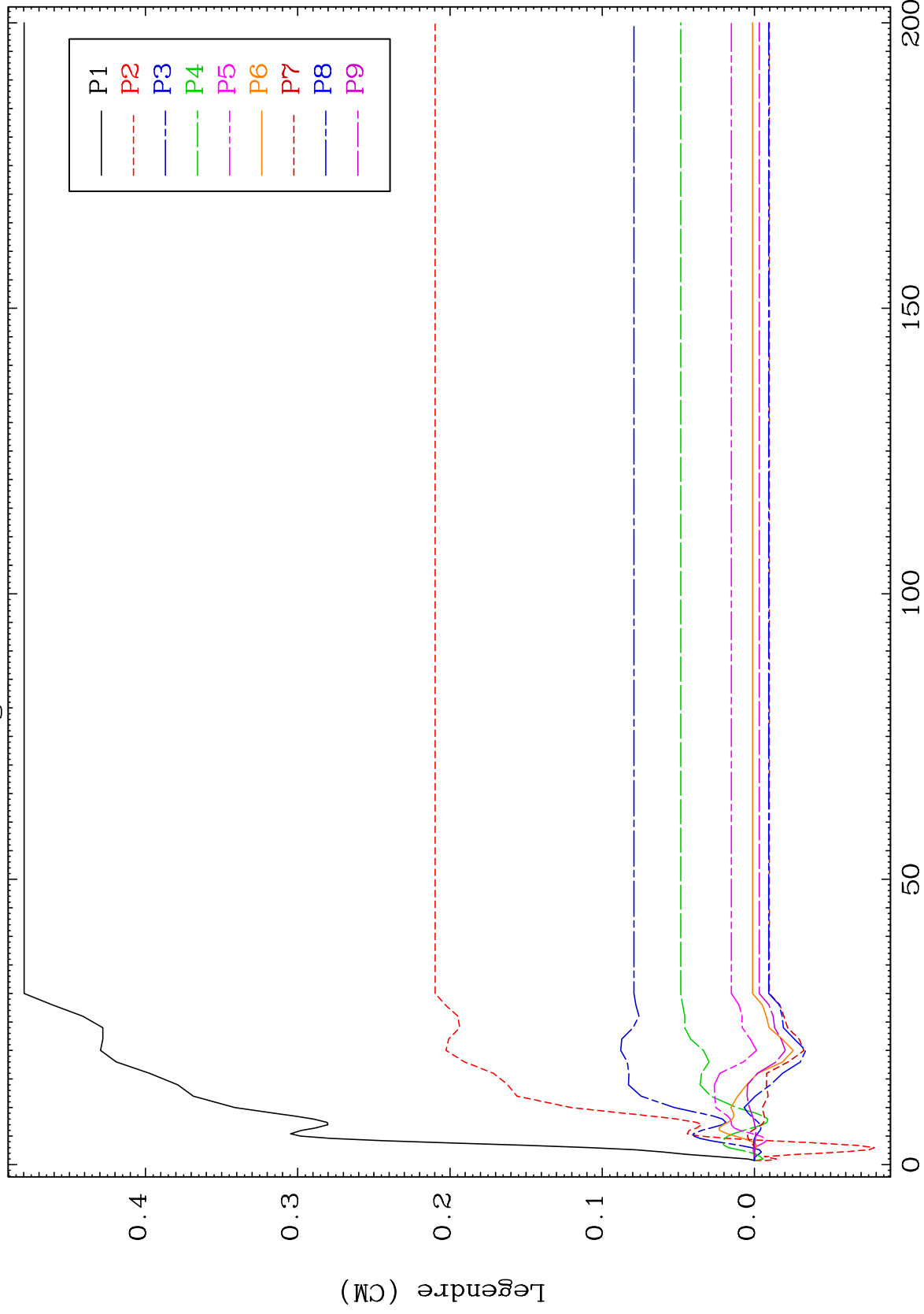
62-Sm-162



MAT 6279

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

62-Sm-162



24

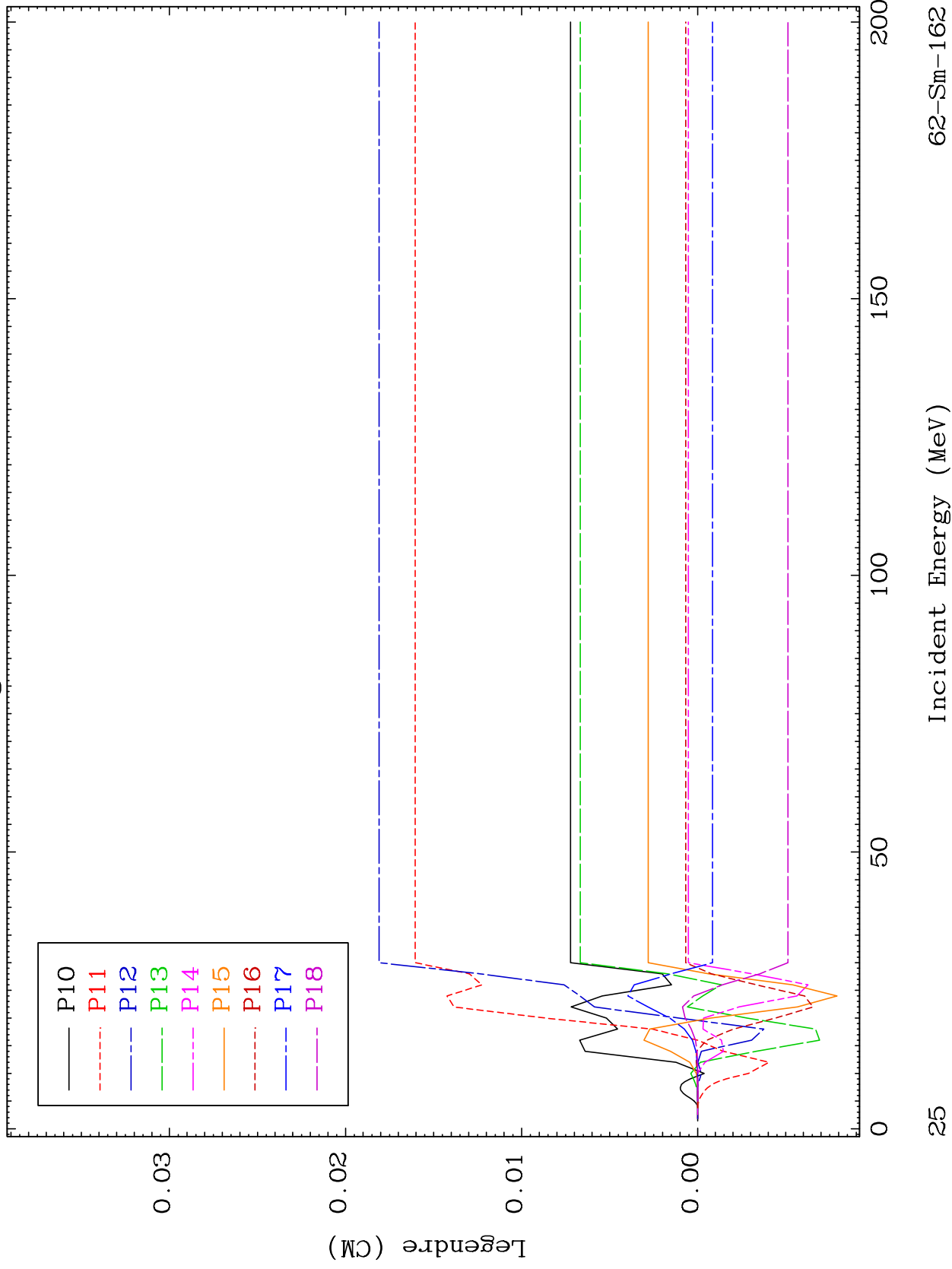
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

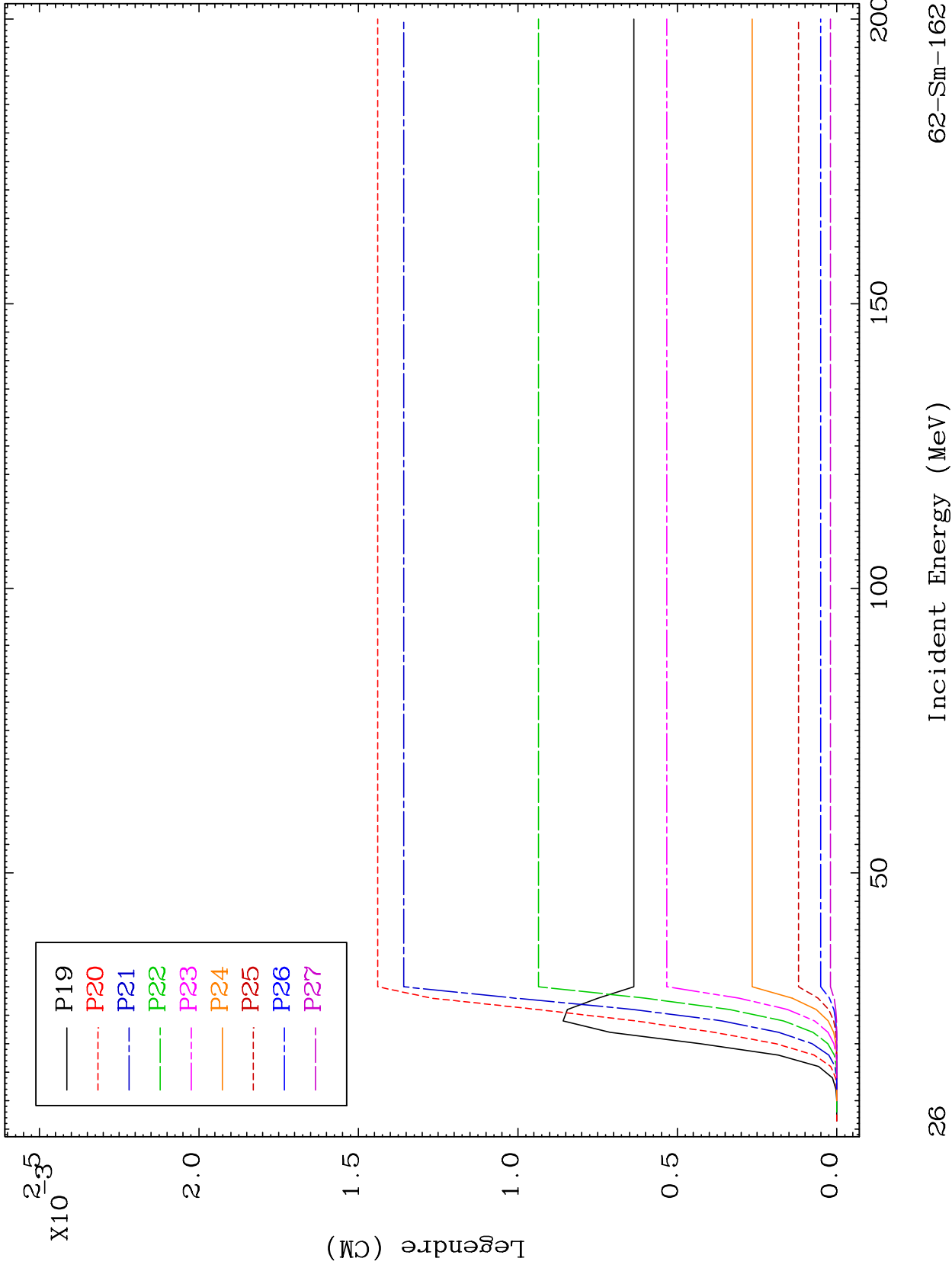
62-Sm-162



62-Sm-162

Incident Energy (MeV)

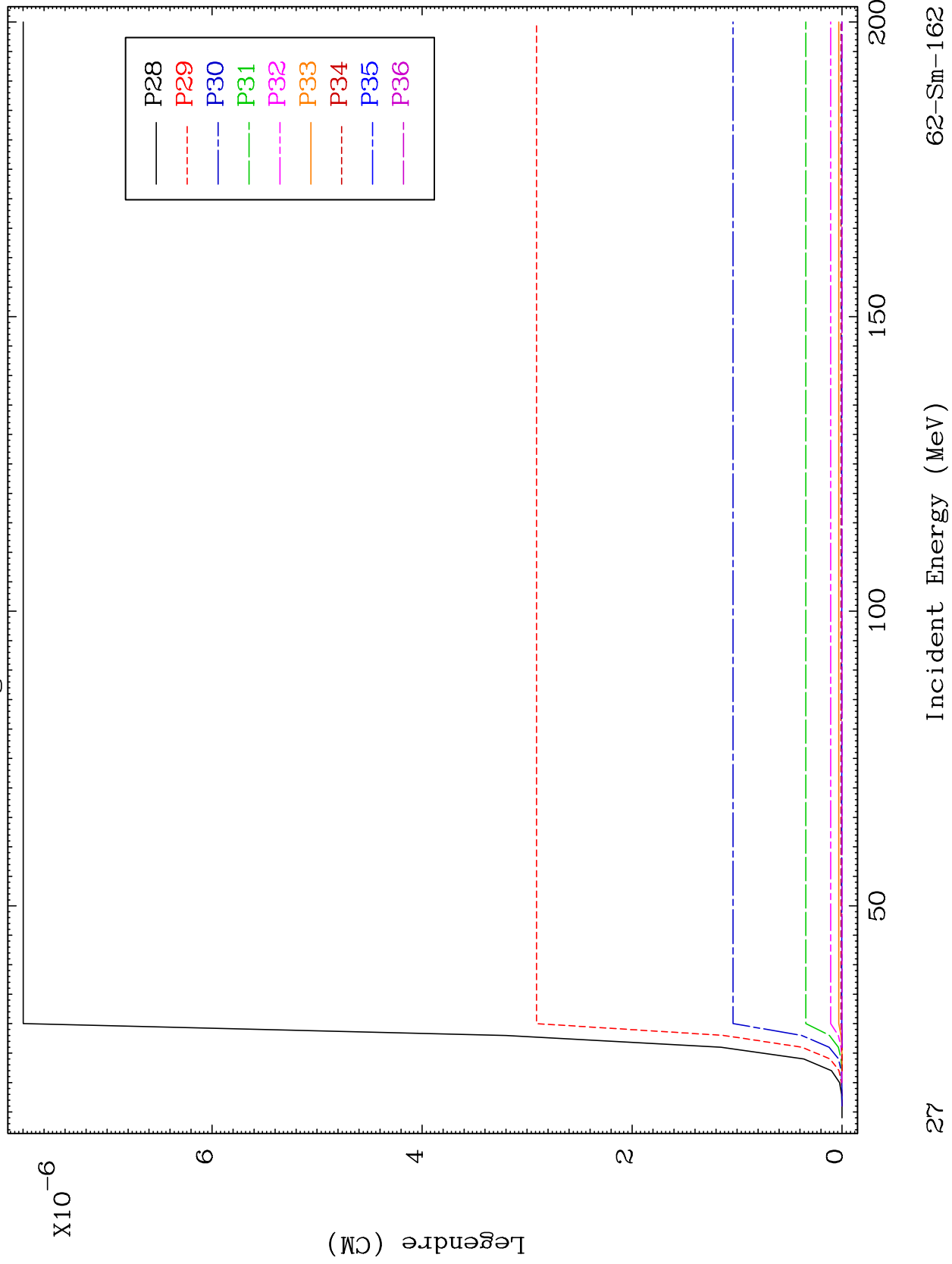
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MAT 6279

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

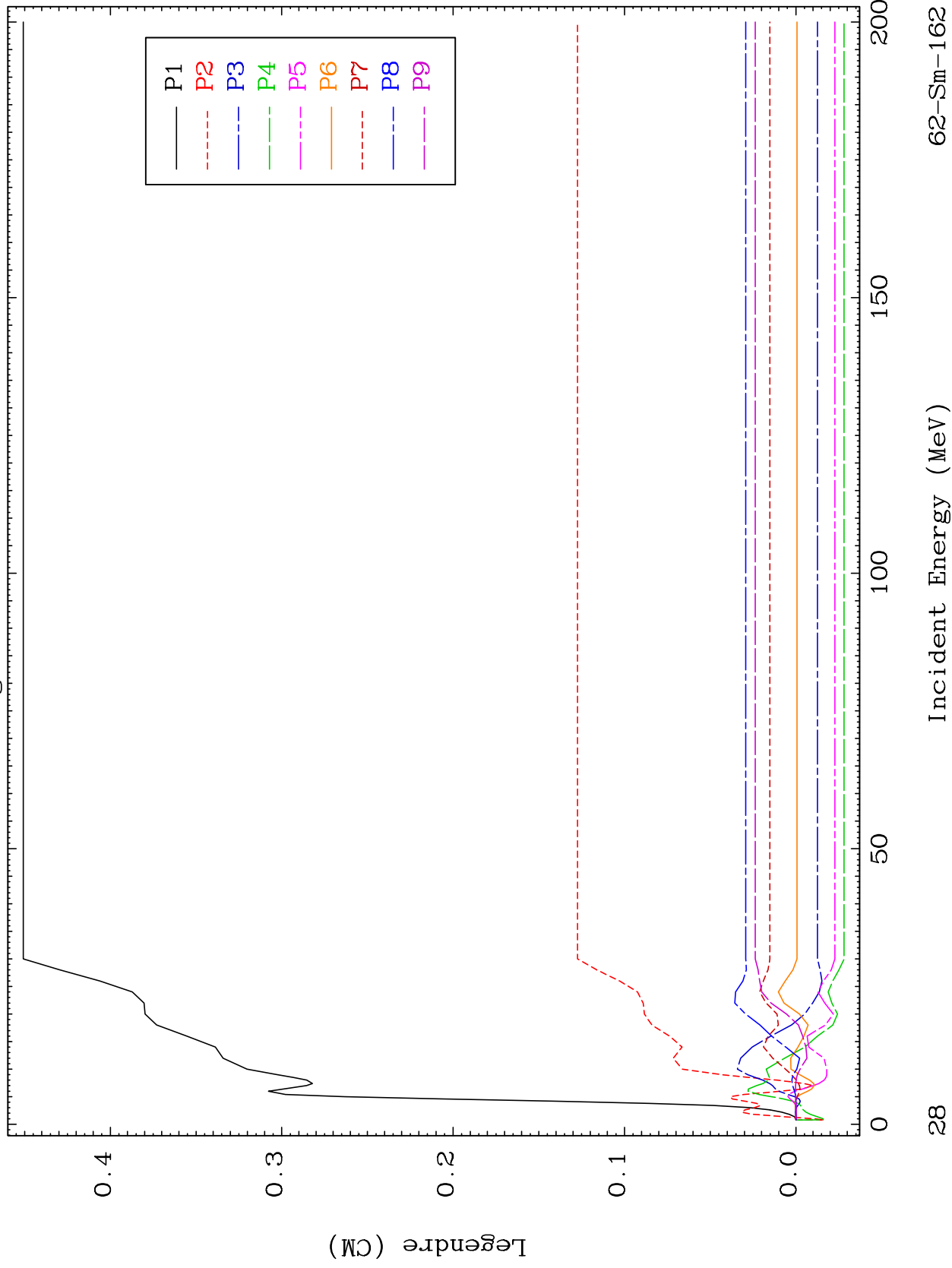
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

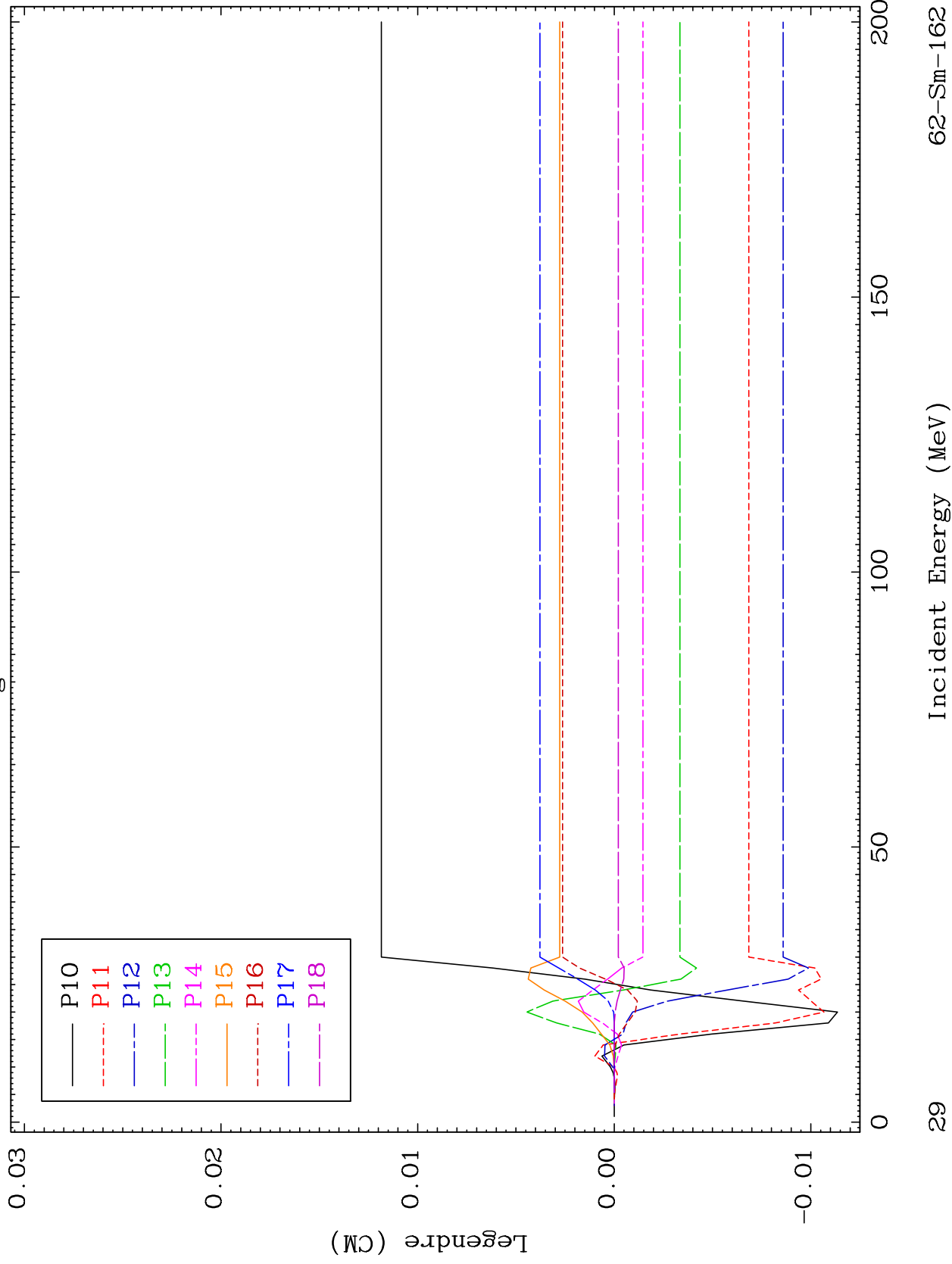
Incident Energy (MeV)

28

MAT 6279

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

62-Sm-162



29

Incident Energy (MeV)

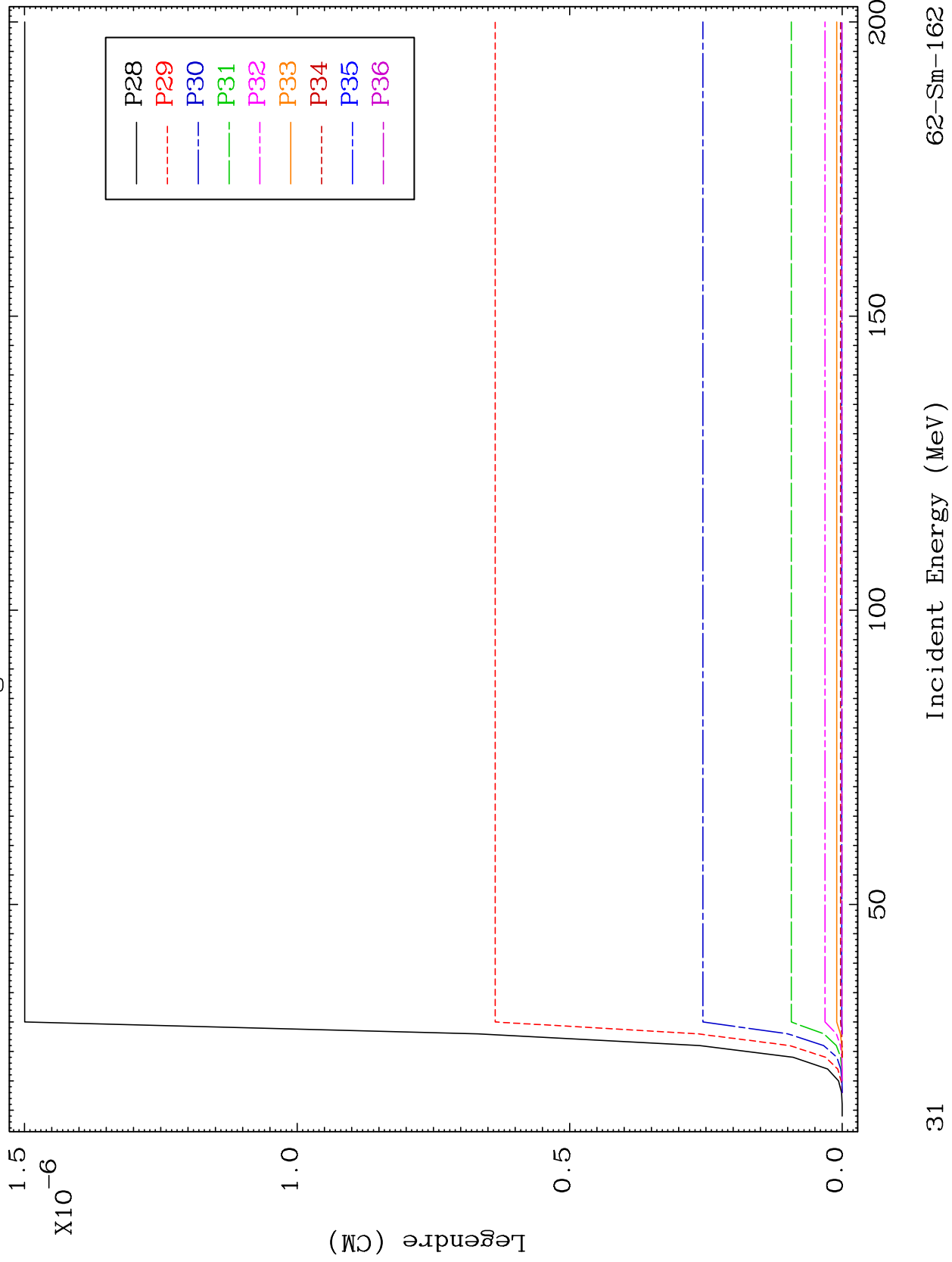
62-Sm-162



MAT 6279

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

62-Sm-162



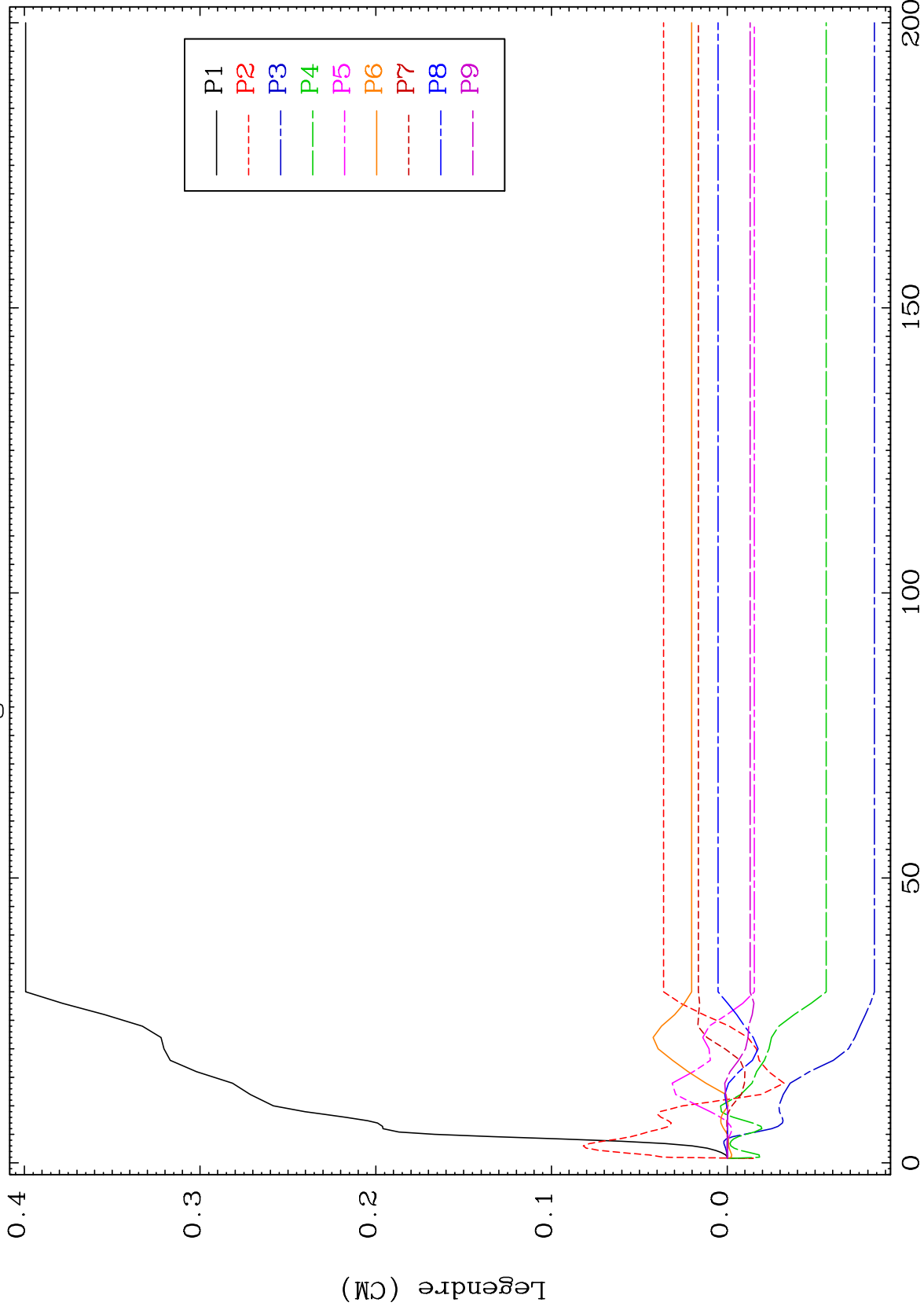
31

62-Sm-162

MAT 6279

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

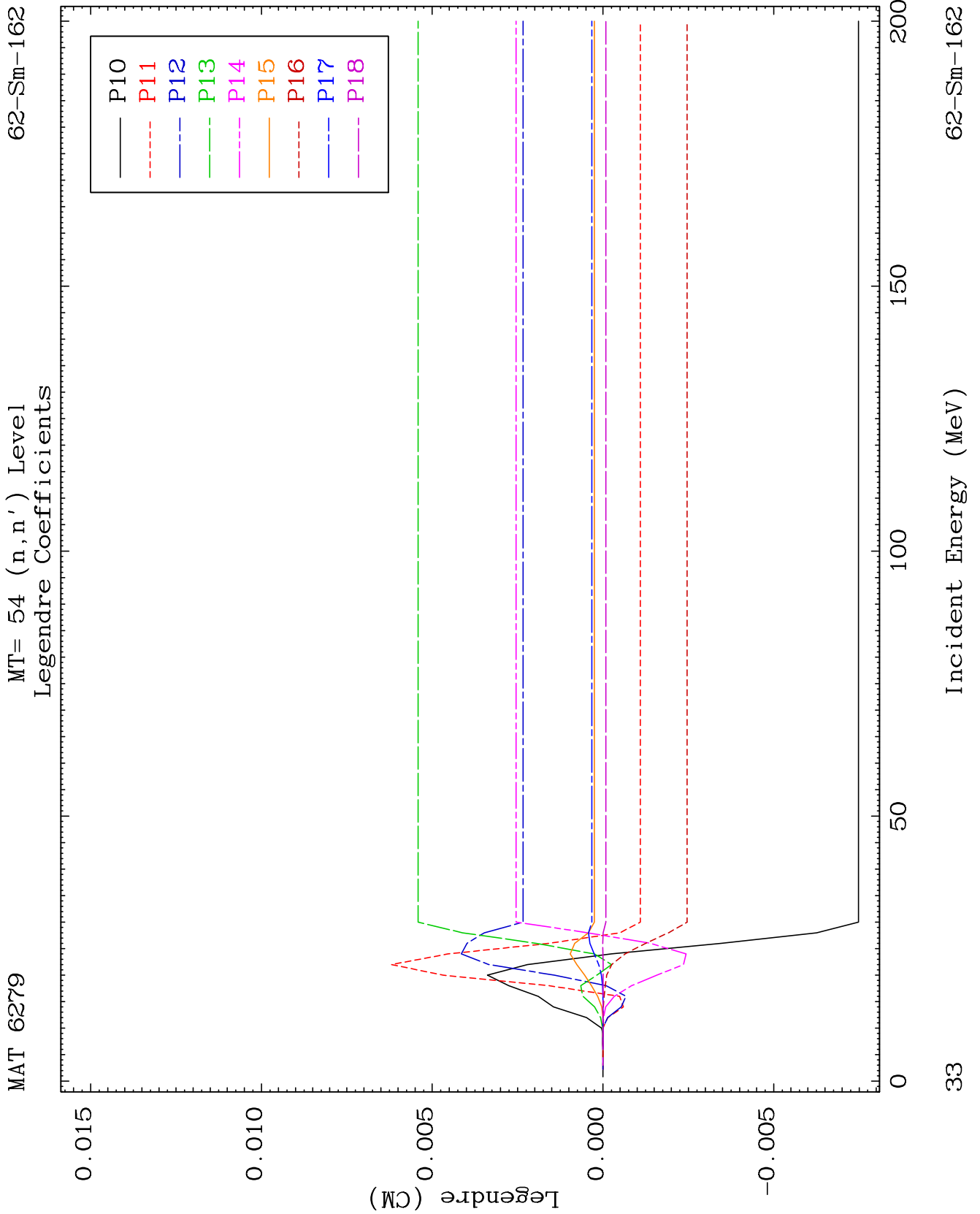
62-Sm-162



32

Incident Energy (MeV)

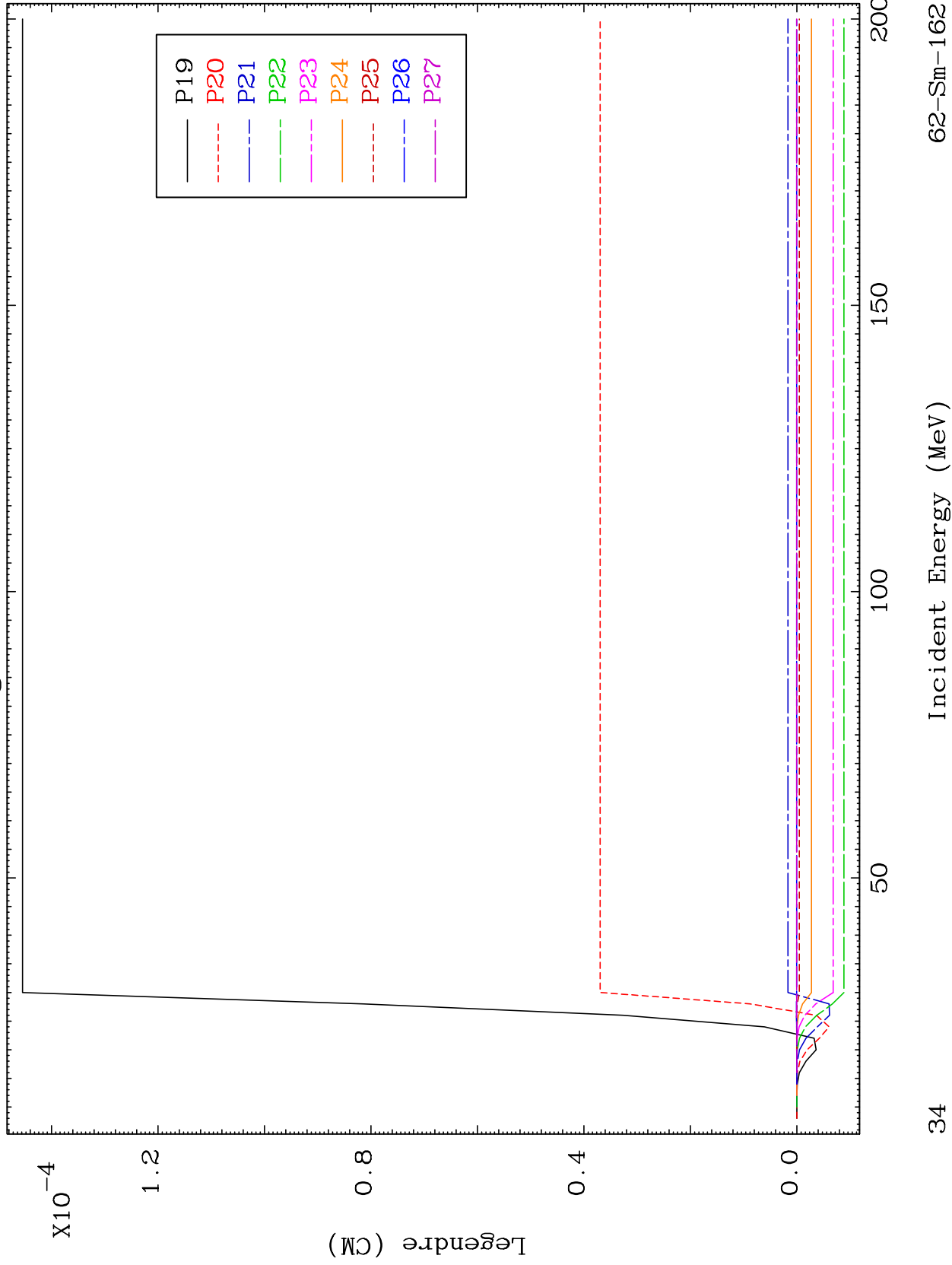
62-Sm-162



MAT 6279

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

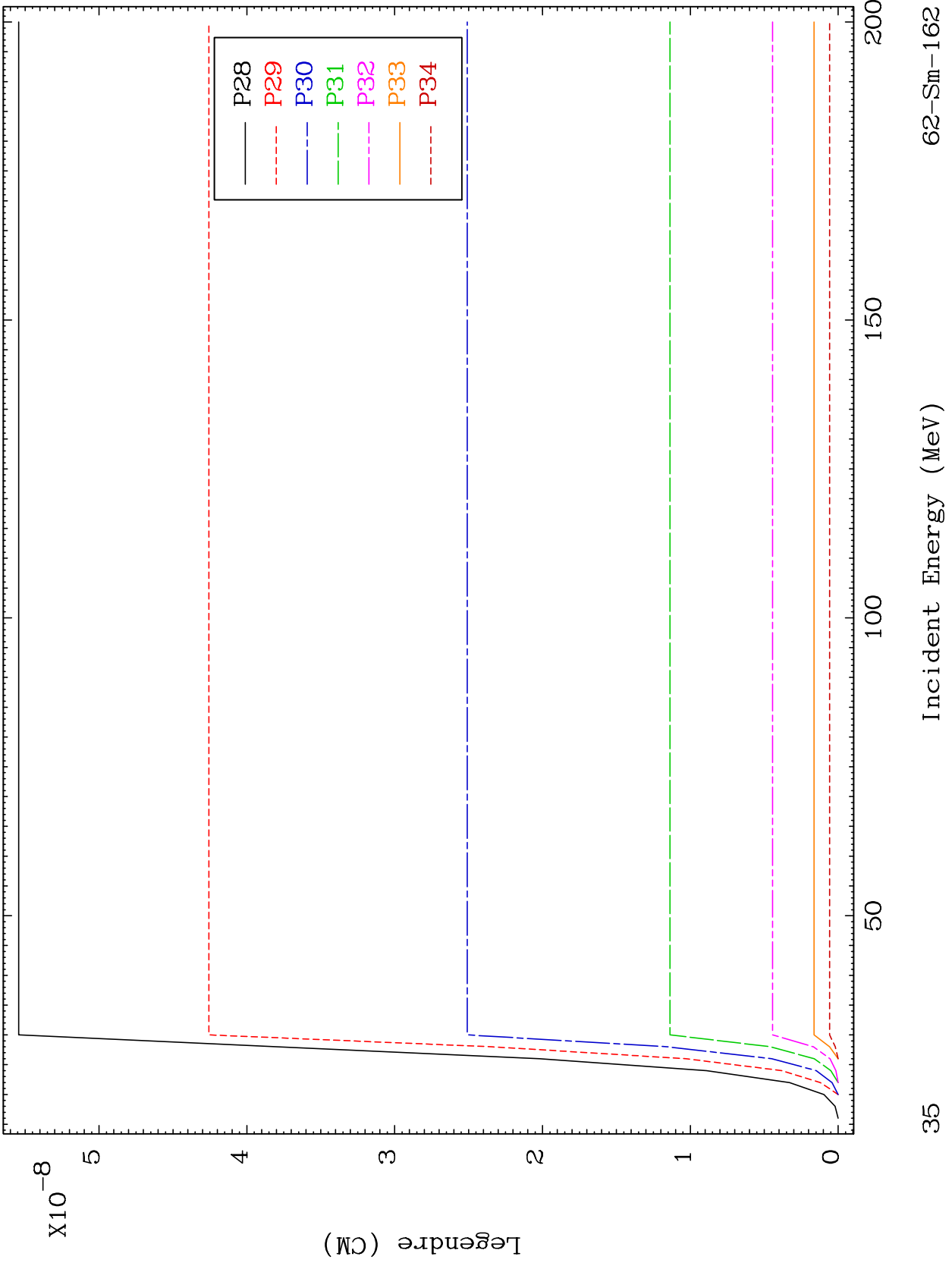
62-Sm-162



MAT 6279

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

62-Sm-162



35

50

100

150

200

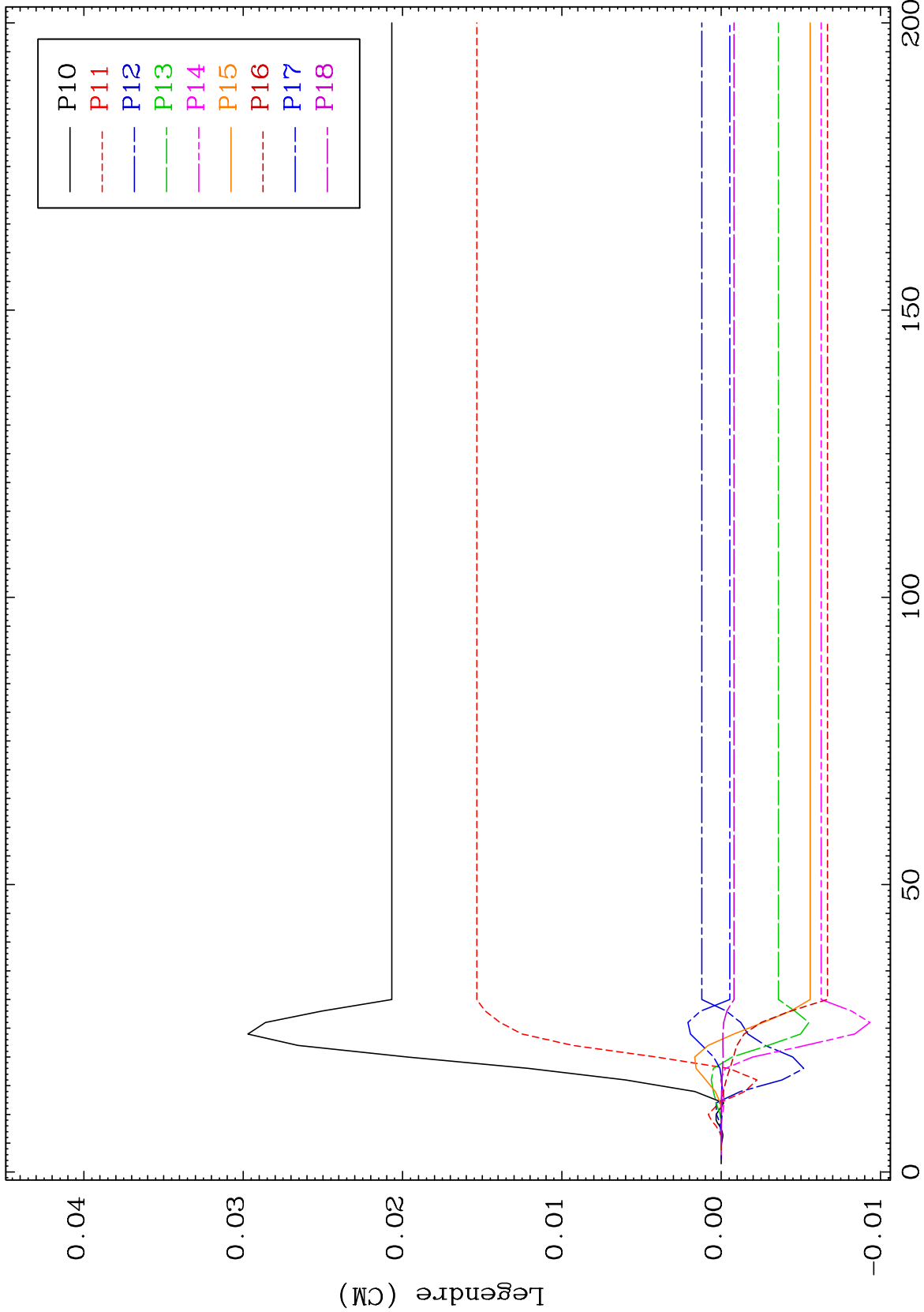
62-Sm-162



MAT 6279

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

62-Sm-162



37

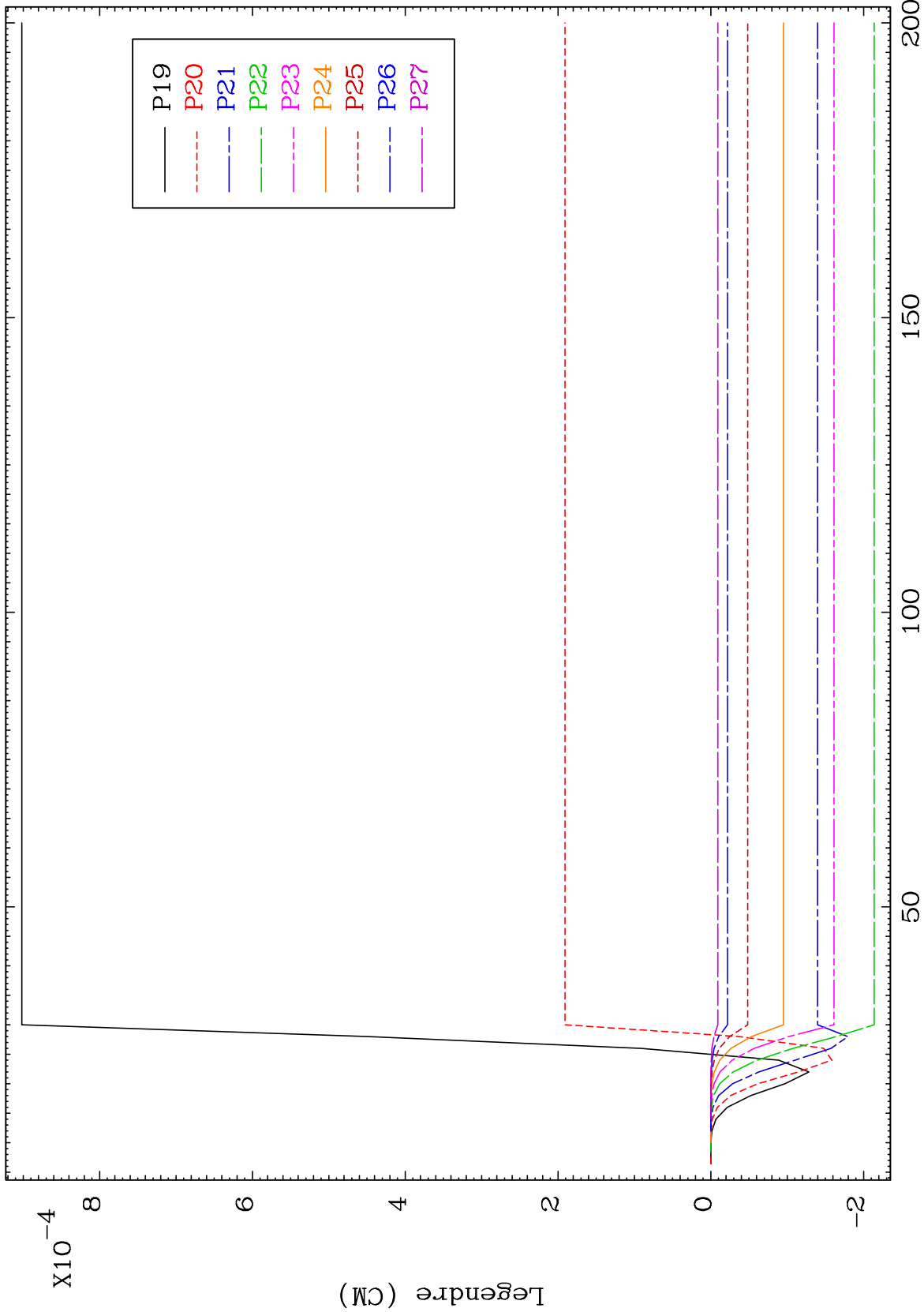
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



38

Incident Energy (MeV)

62-Sm-162

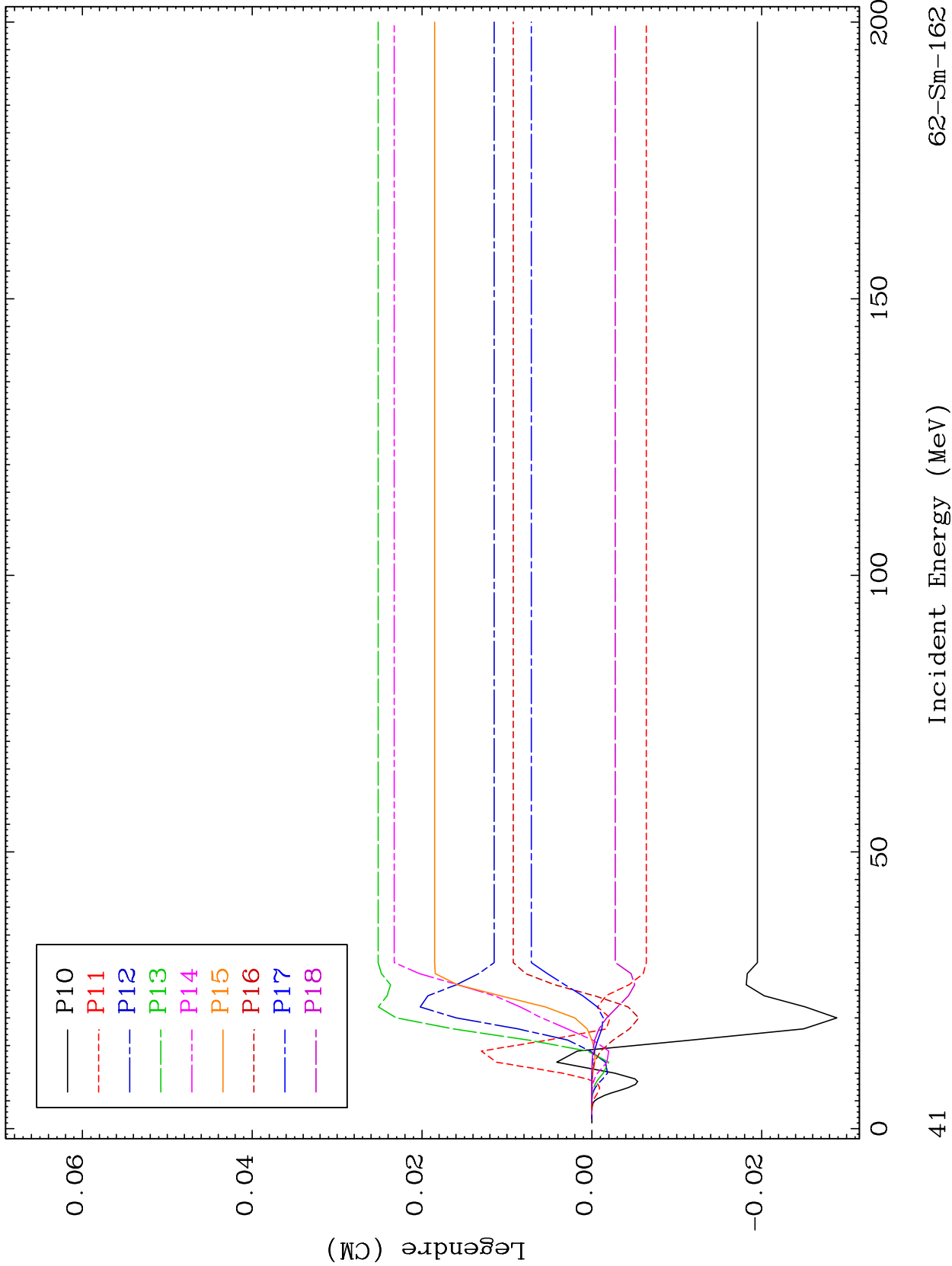




MAT 6279

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

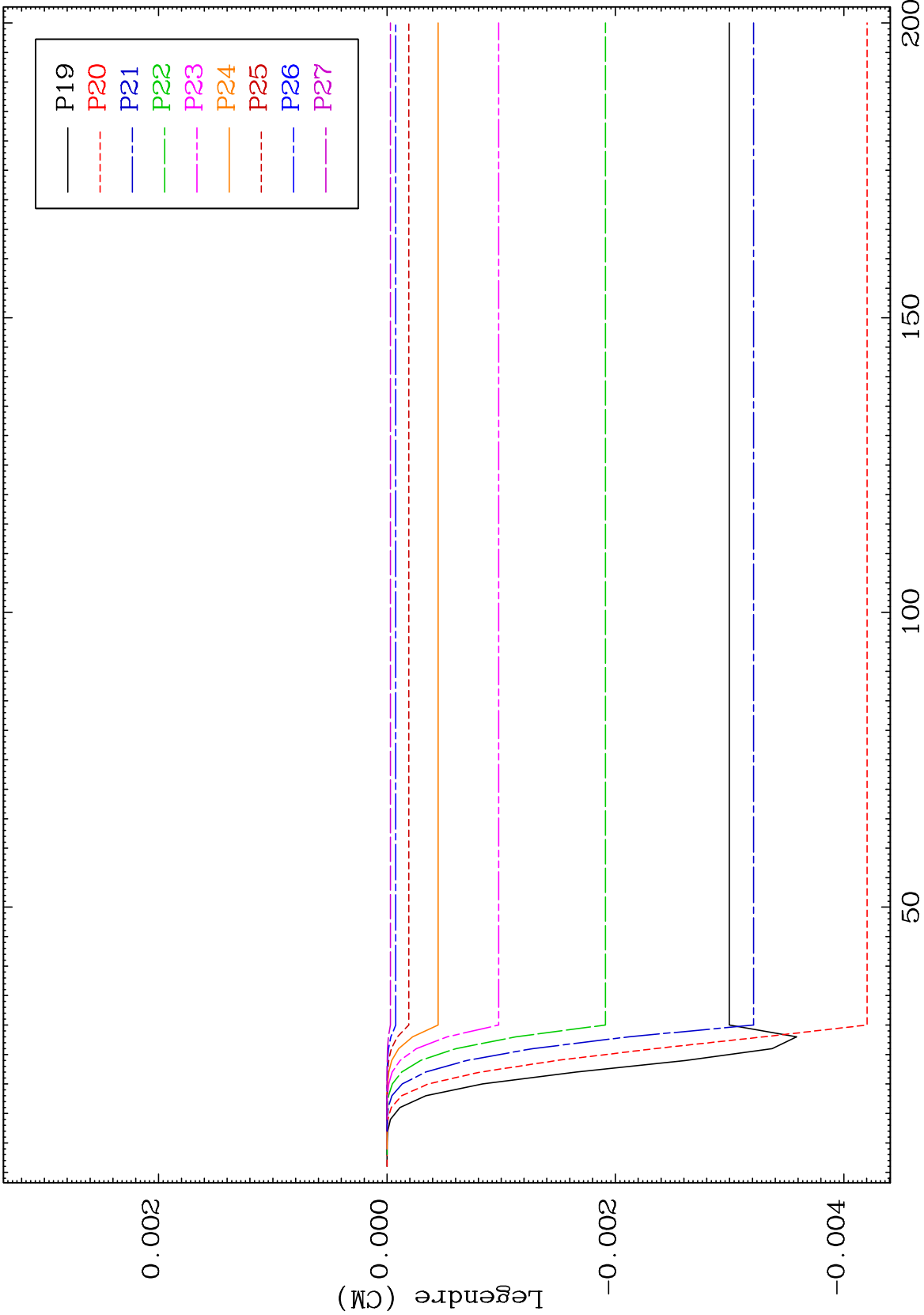
62-Sm-162



MAT 6279

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

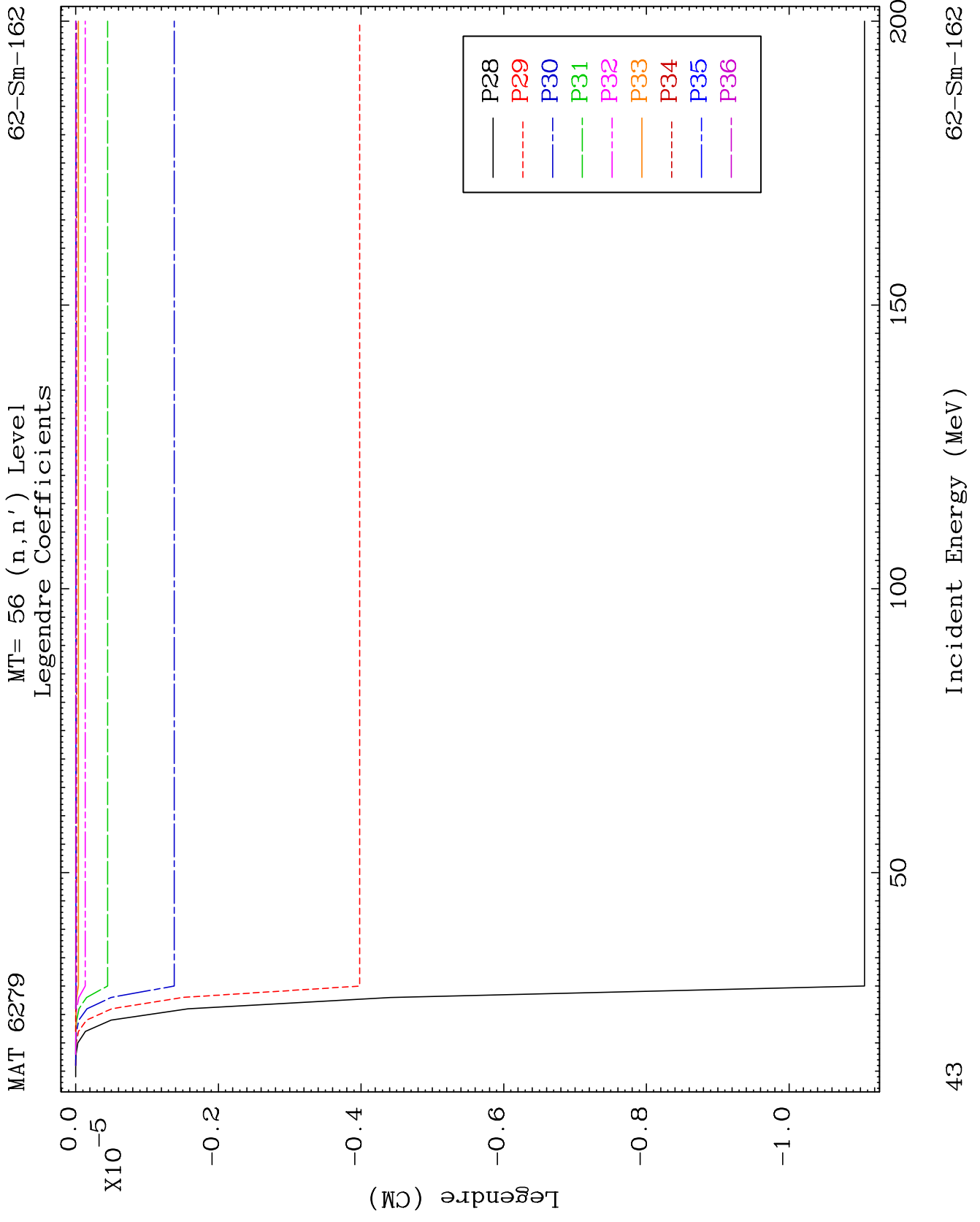
62-Sm-162



42

Incident Energy (MeV)

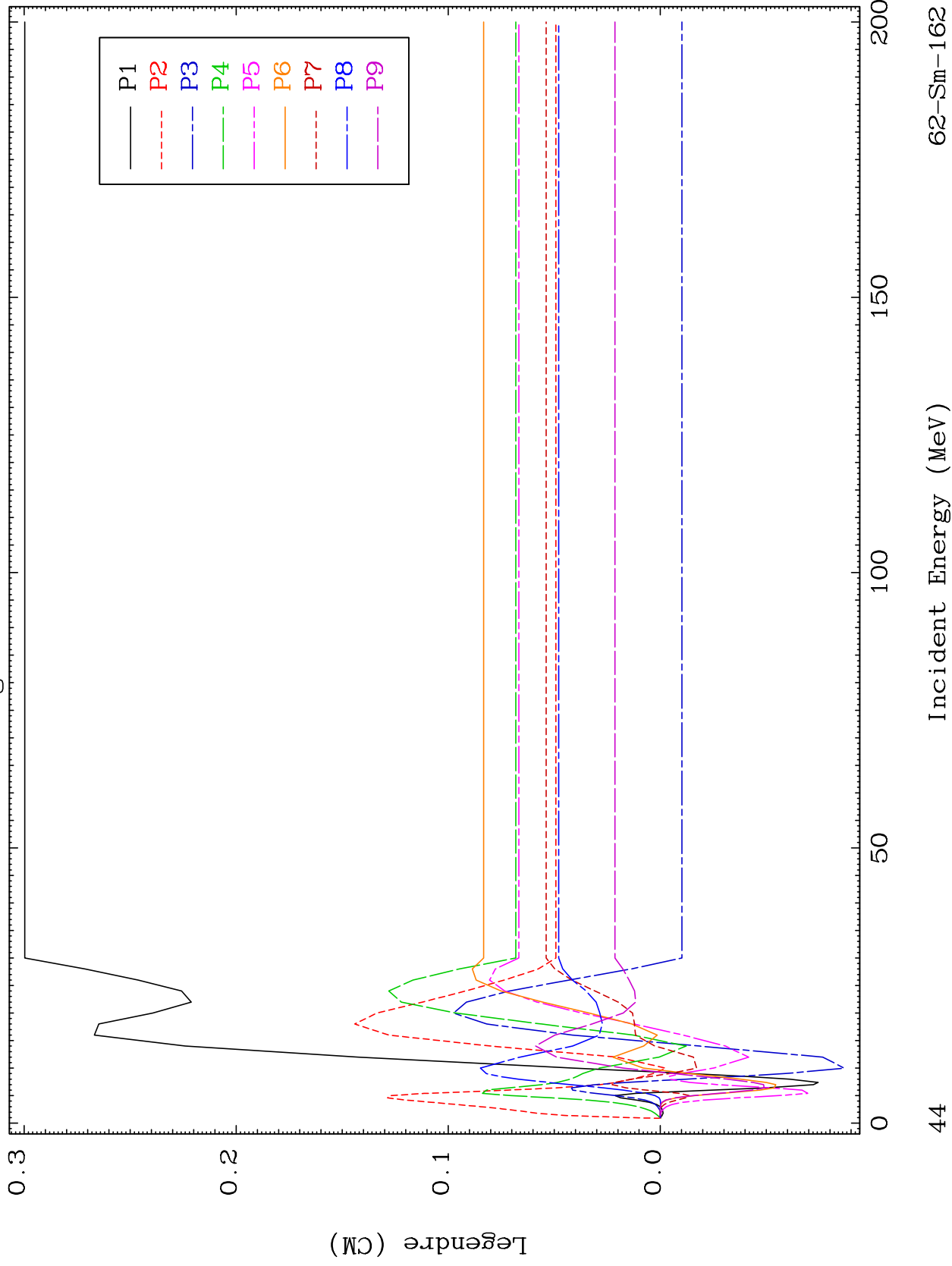
62-Sm-162



MAT 6279

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

62-Sm-162



44

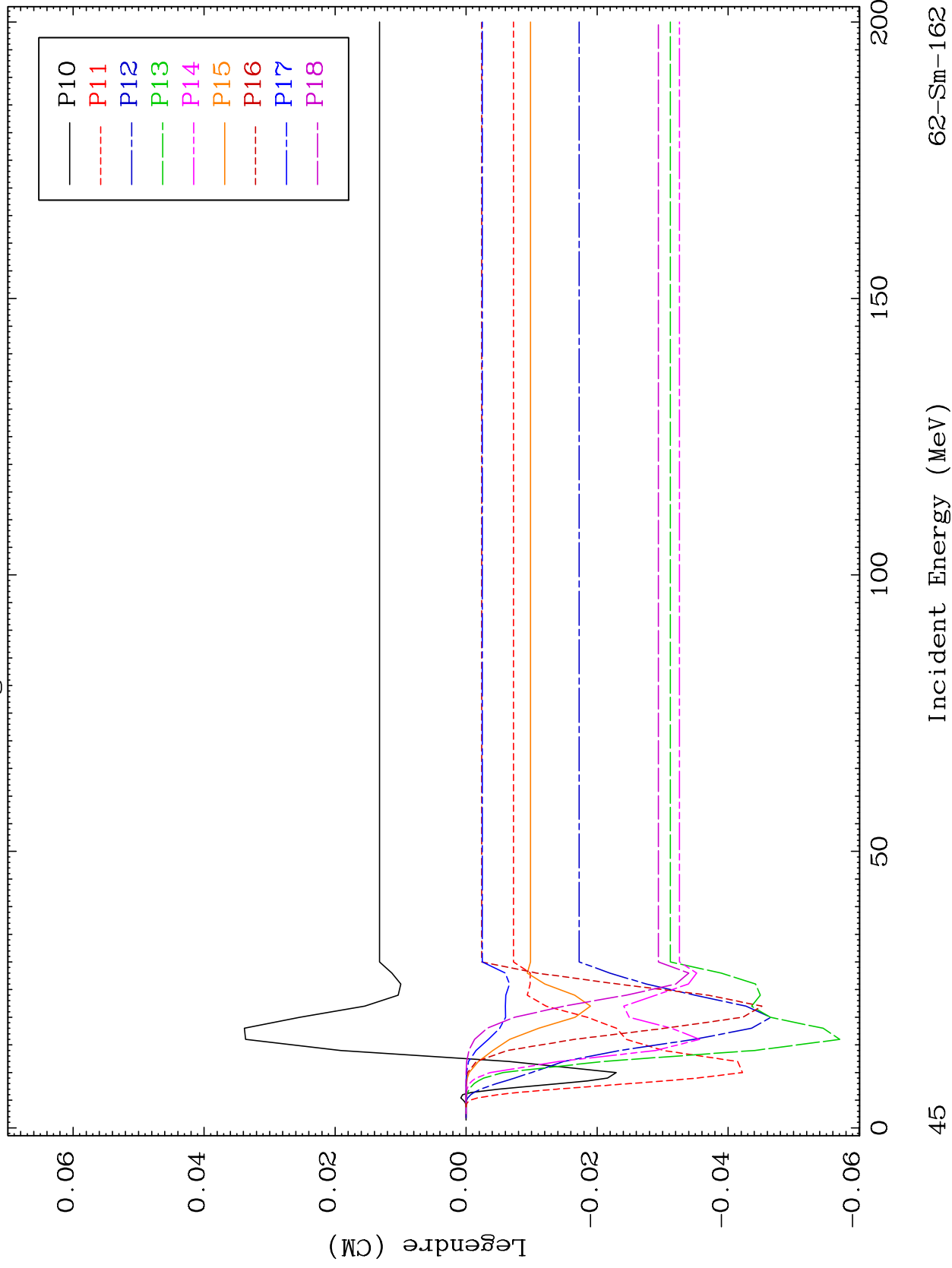
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



62-Sm-162

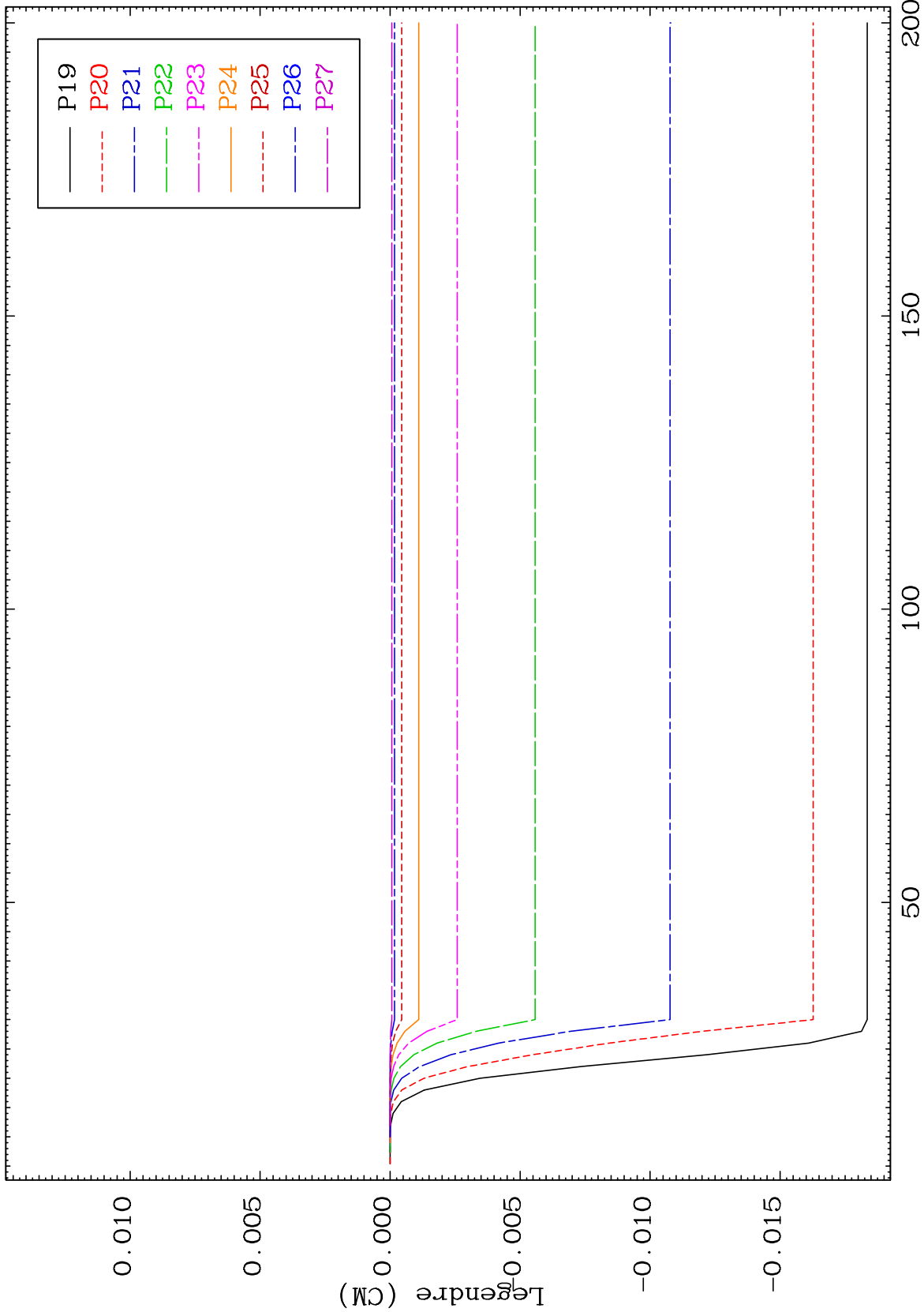
Incident Energy (MeV)

45

MAT 6279

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

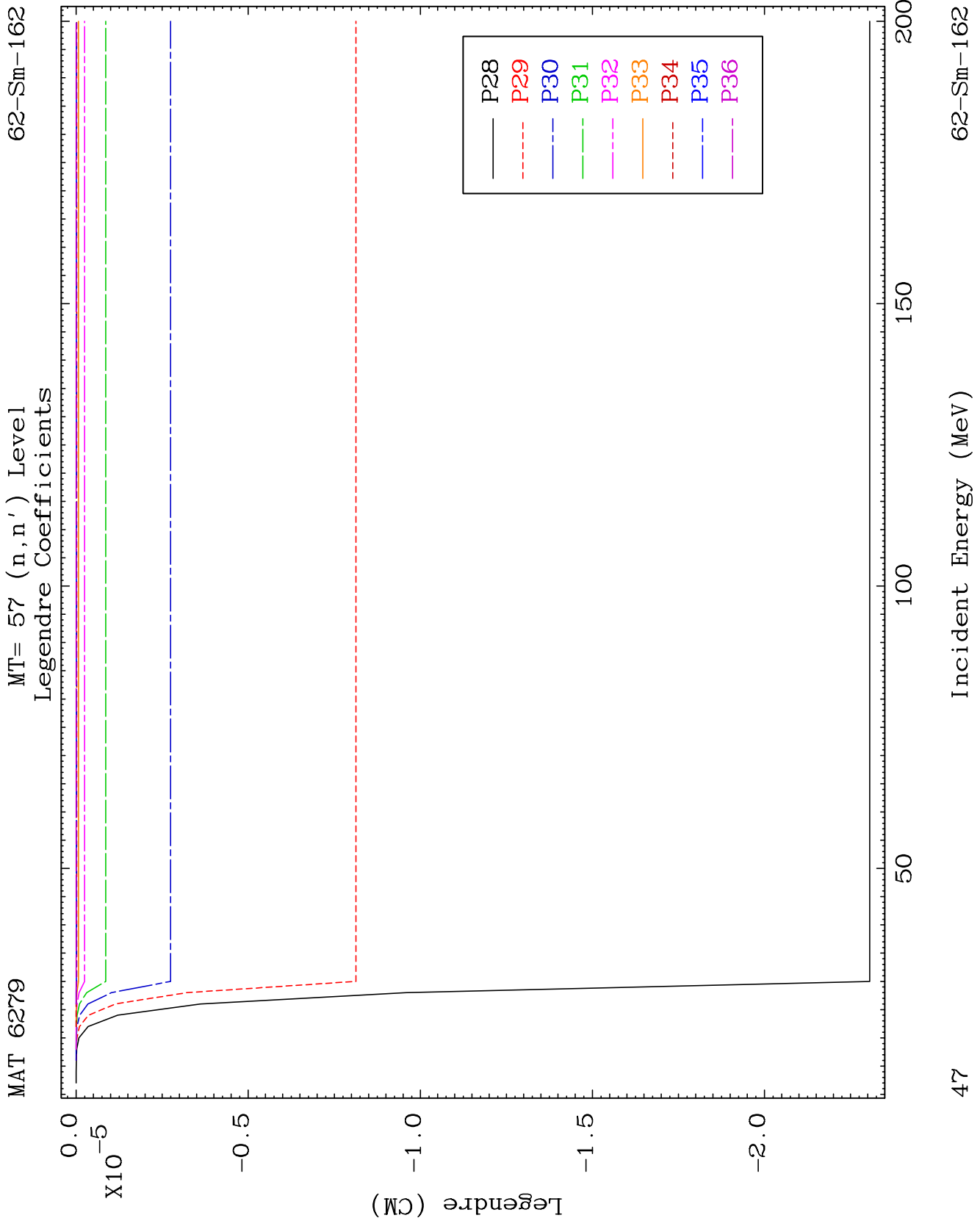
62-Sm-162

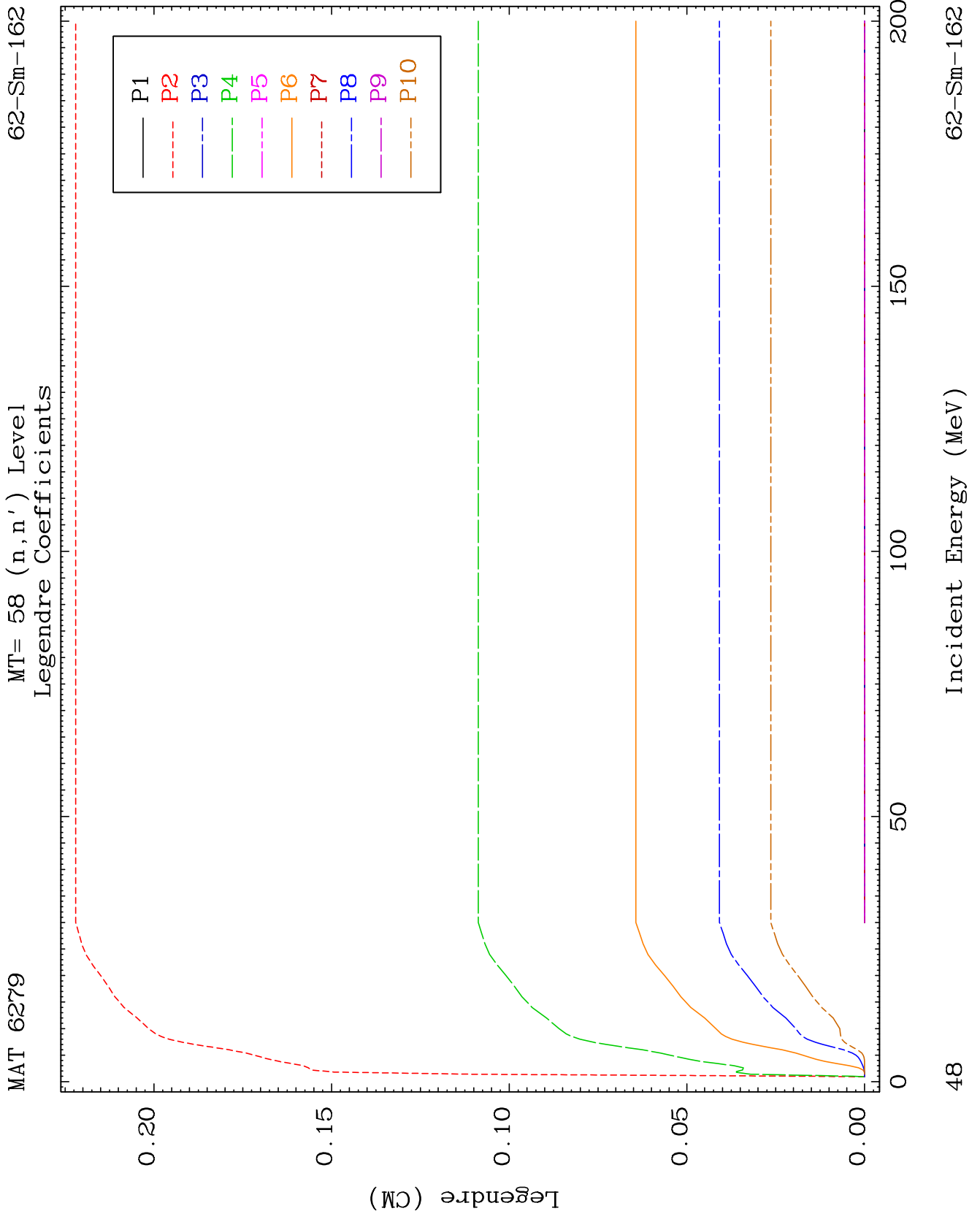


46

Incident Energy (MeV)

62-Sm-162

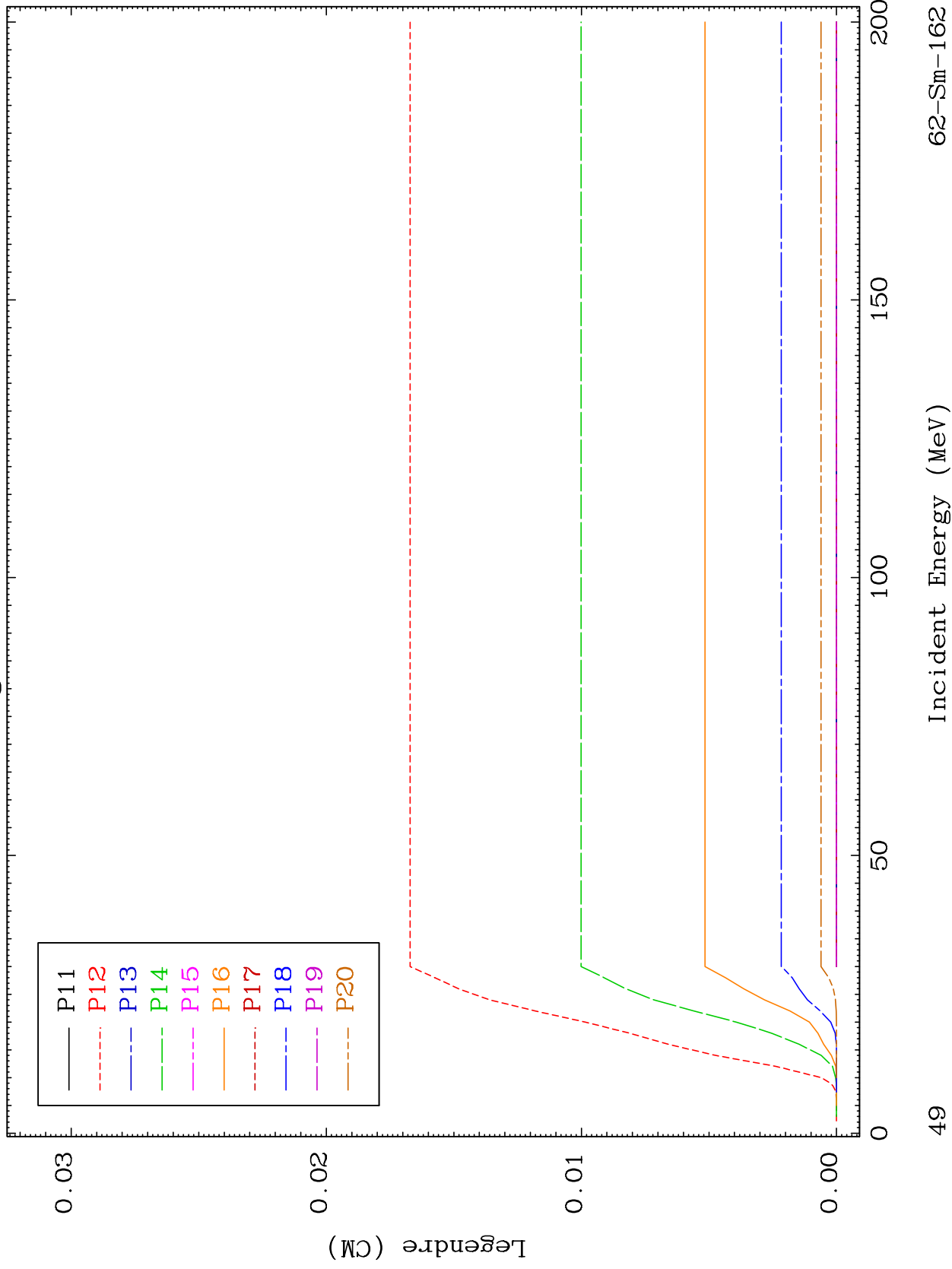




MAT 6279

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

62-Sm-162



49

Incident Energy (MeV)

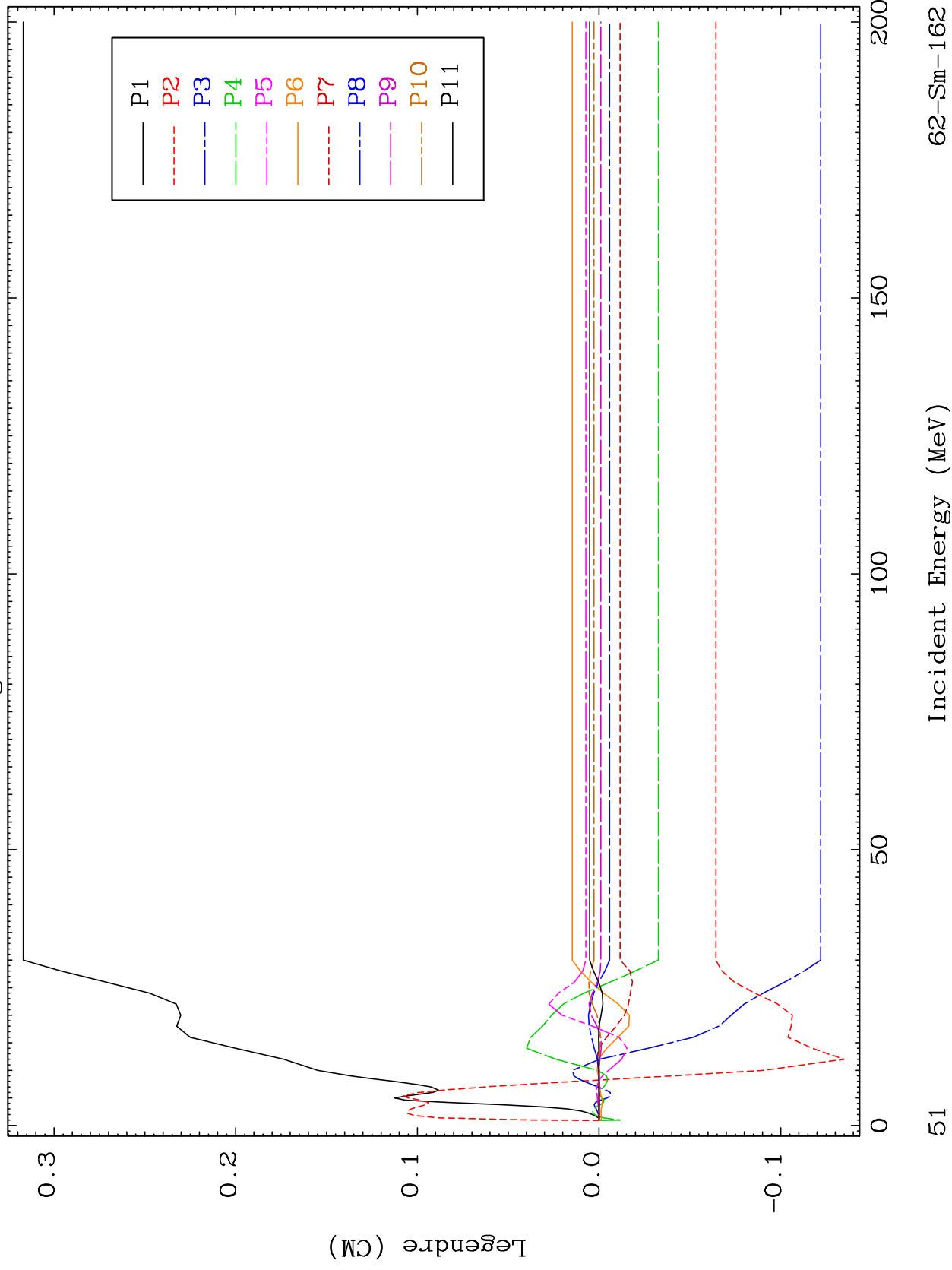
62-Sm-162



MAT 6279

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

62-Sm-162



51

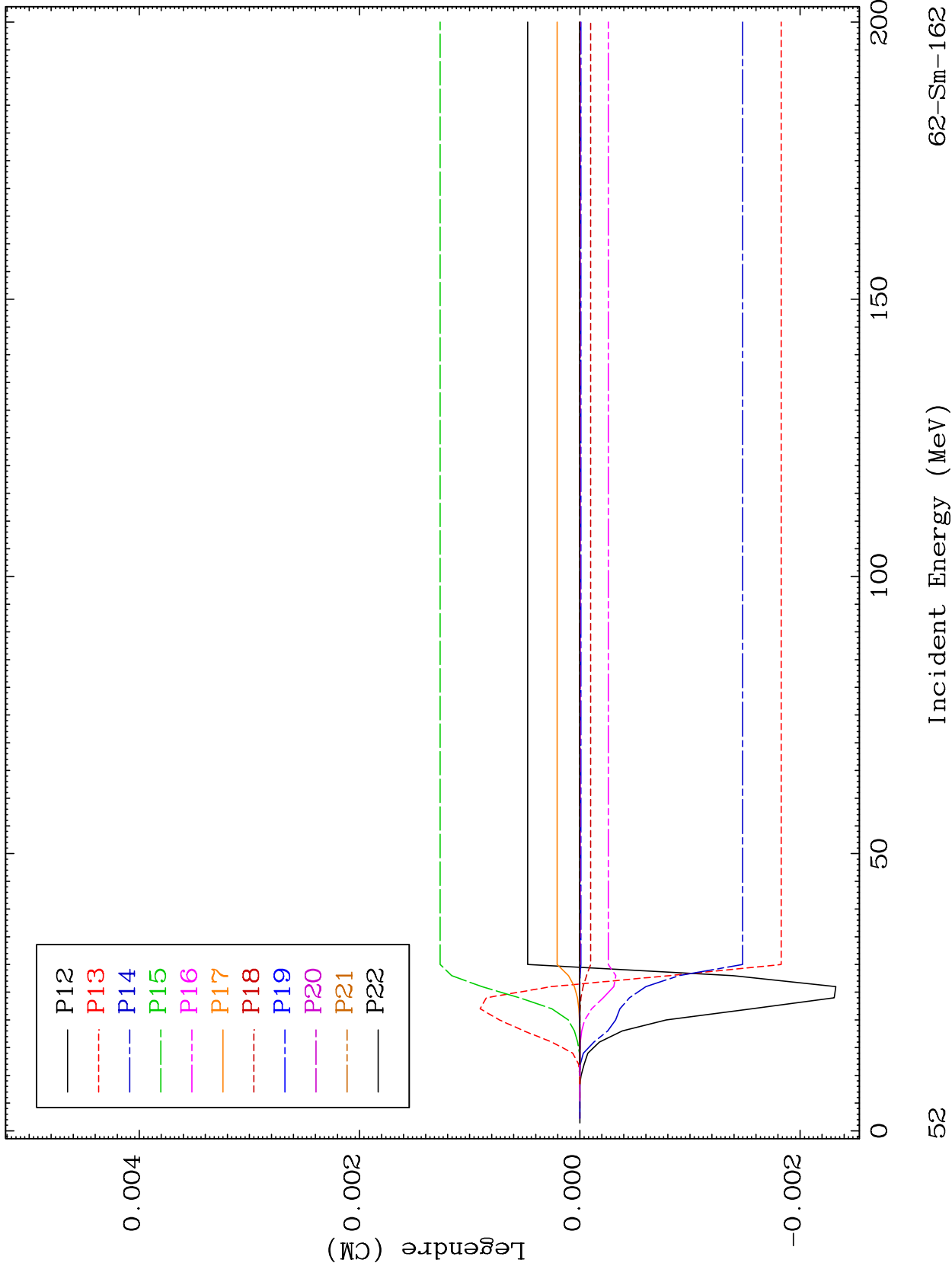
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



52

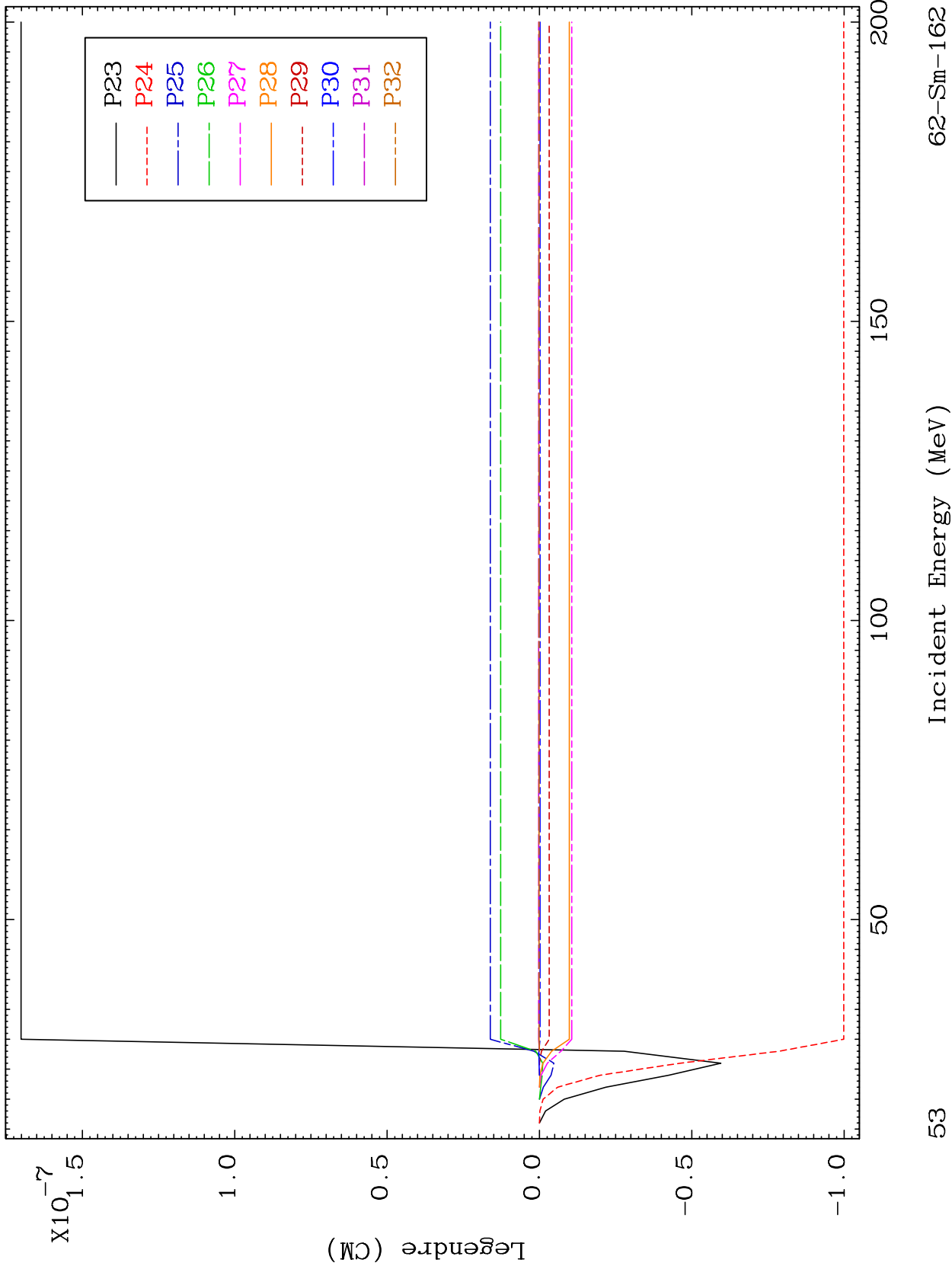
Incident Energy (MeV)

62-Sm-162

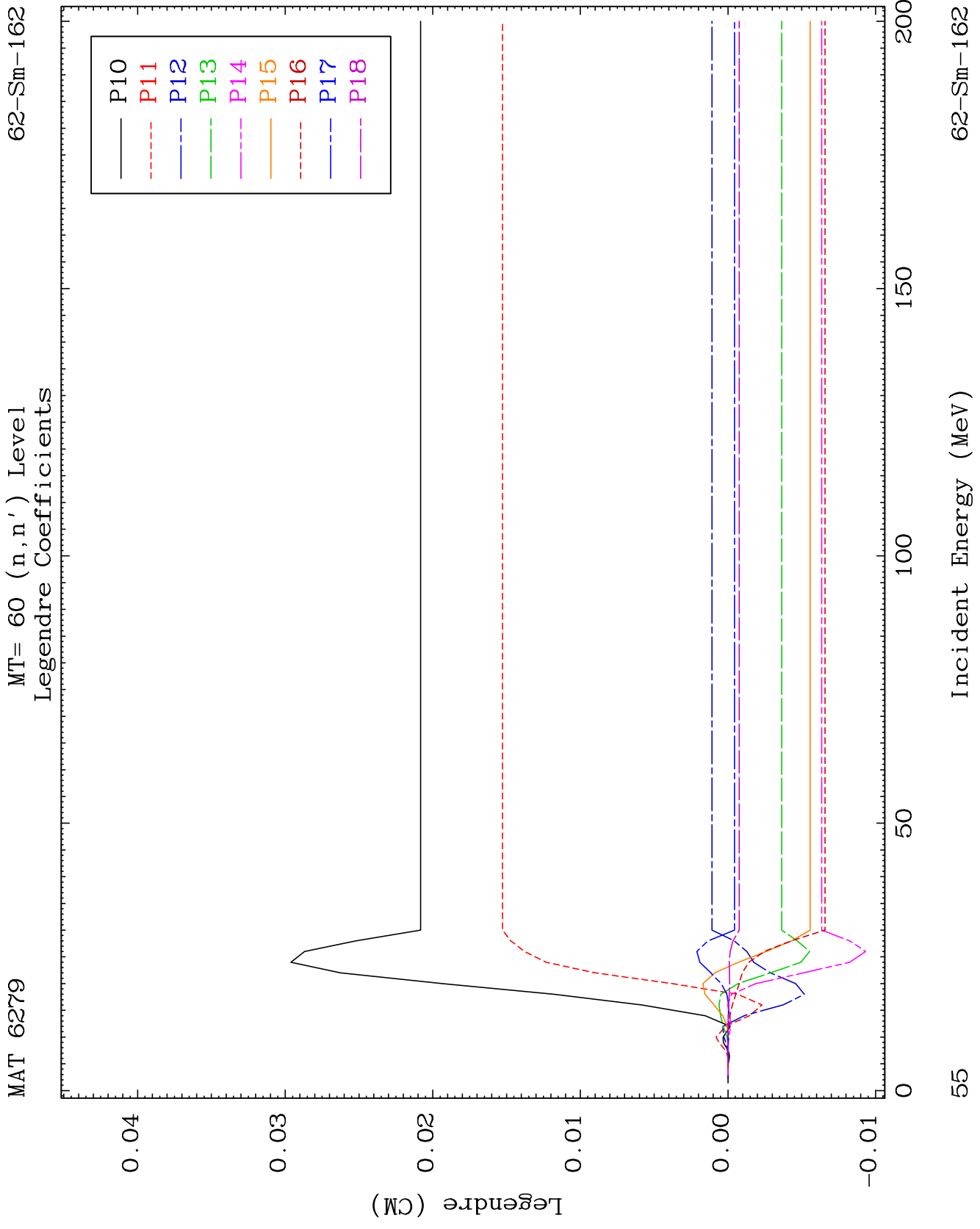
MAT 6279

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

62-Sm-162



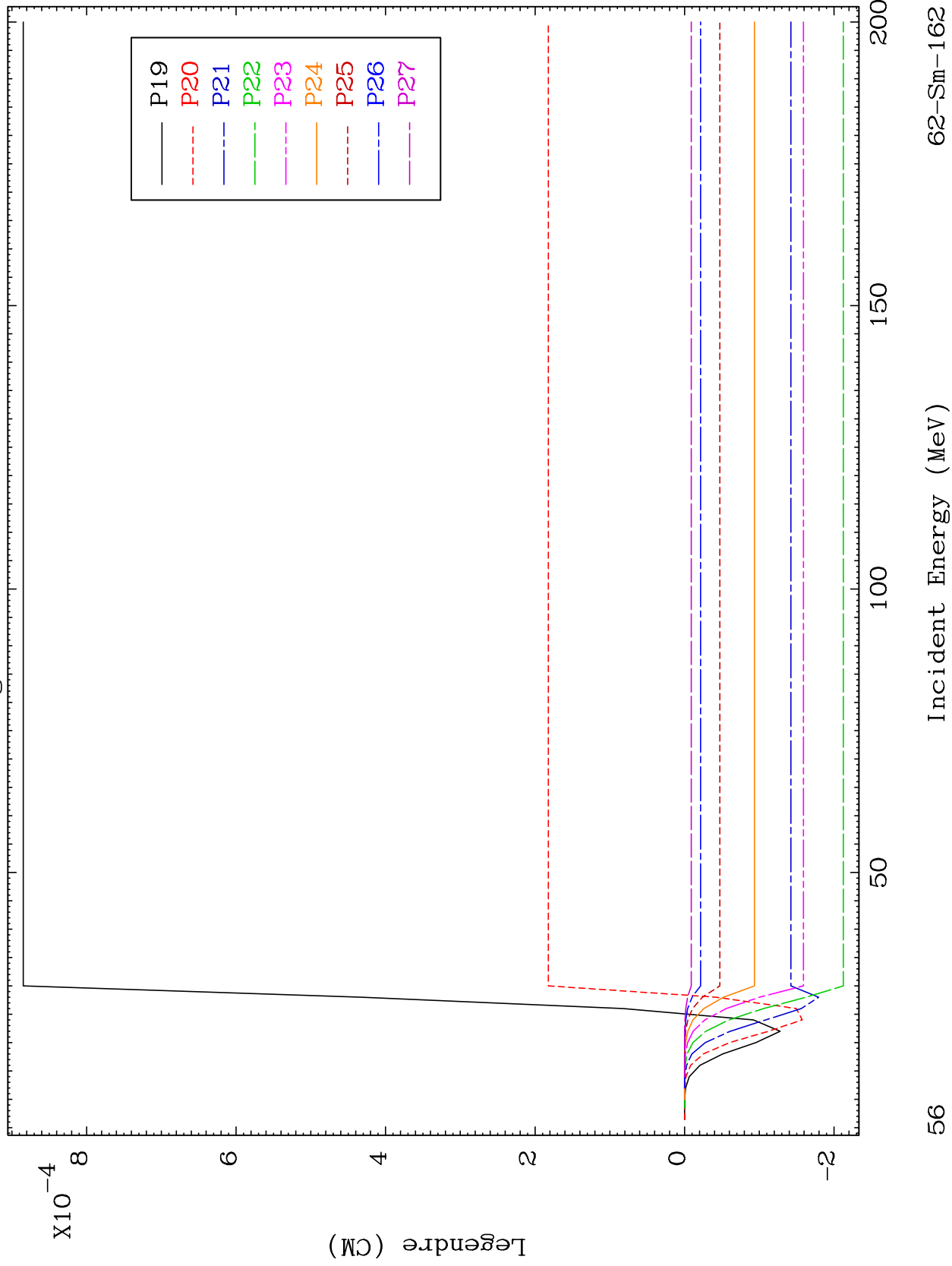




MAT 6279

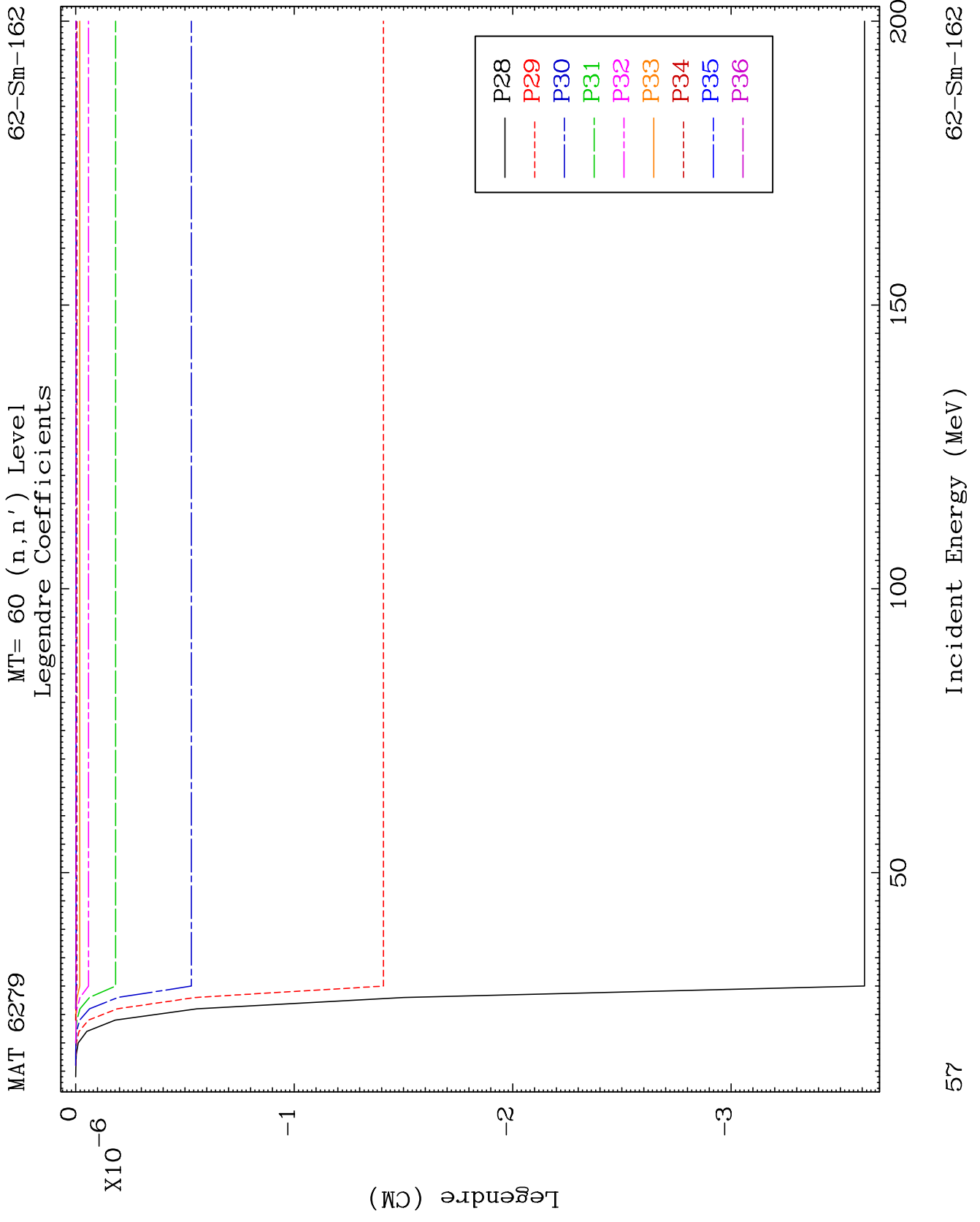
MT= 60 (n,n') Level  
Legendre Coefficients

62-Sm-162



56

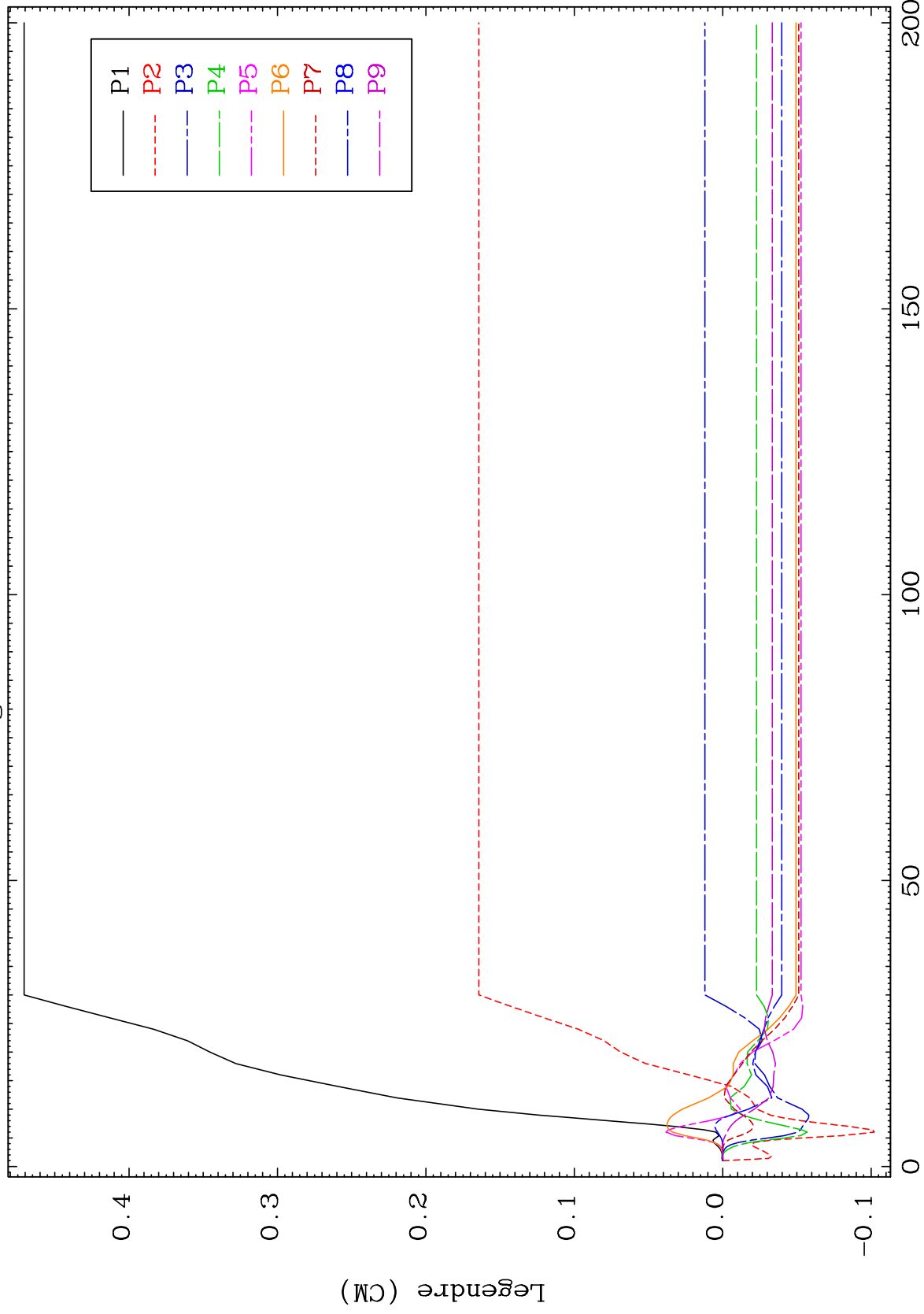
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

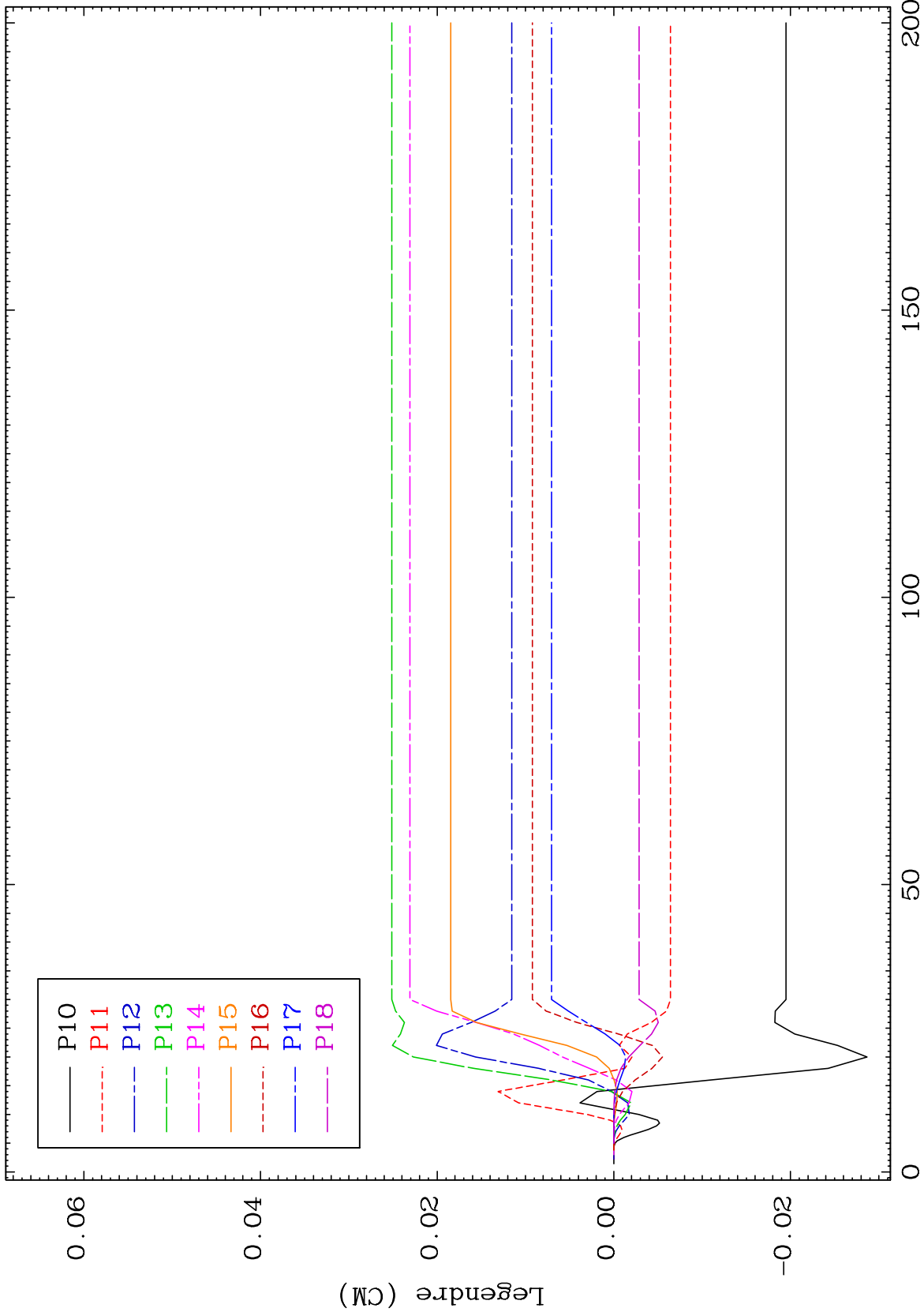
Incident Energy (MeV)

58

MAT 6279

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

62-Sm-162



59

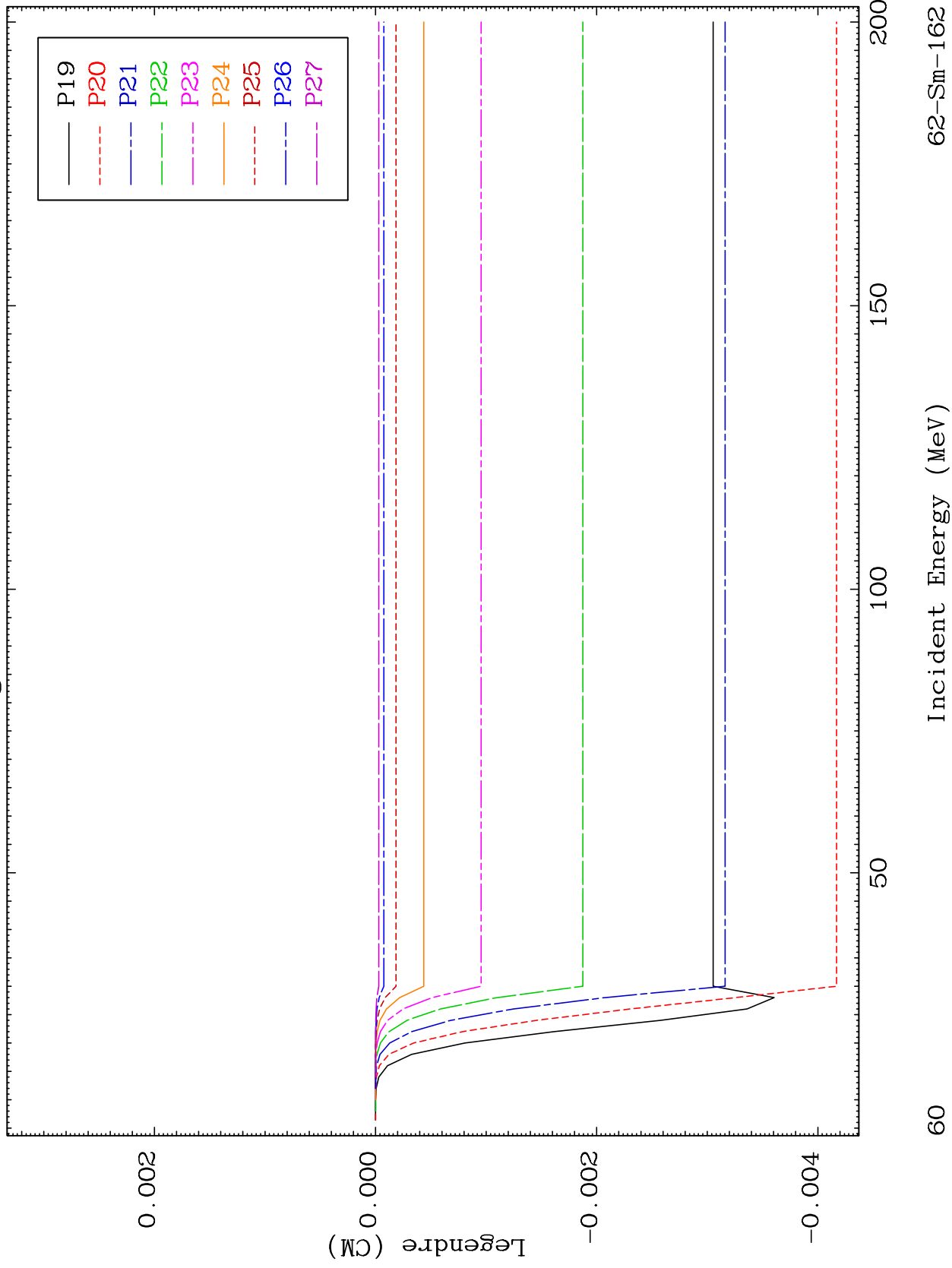
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

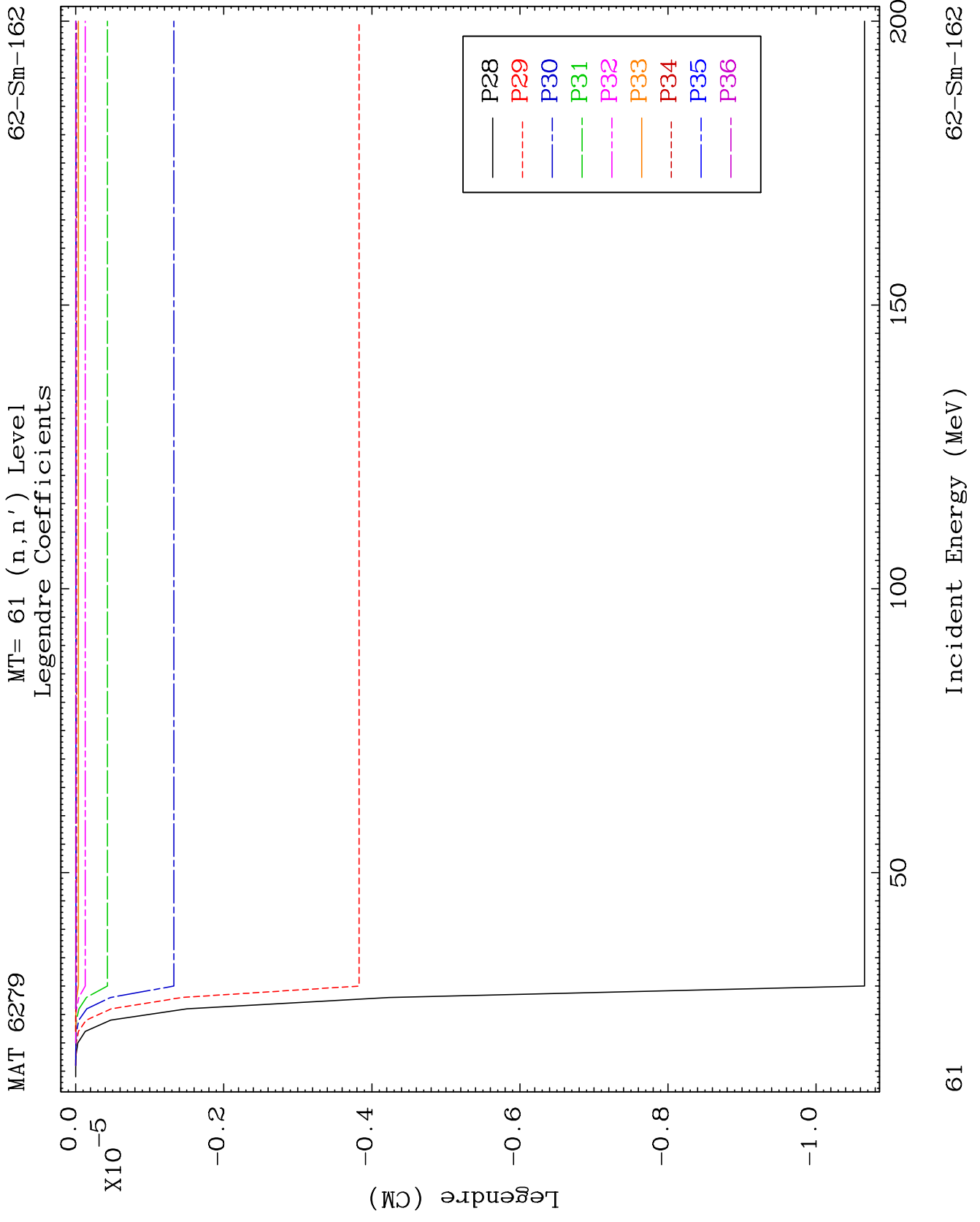
62-Sm-162



60

Incident Energy (MeV)

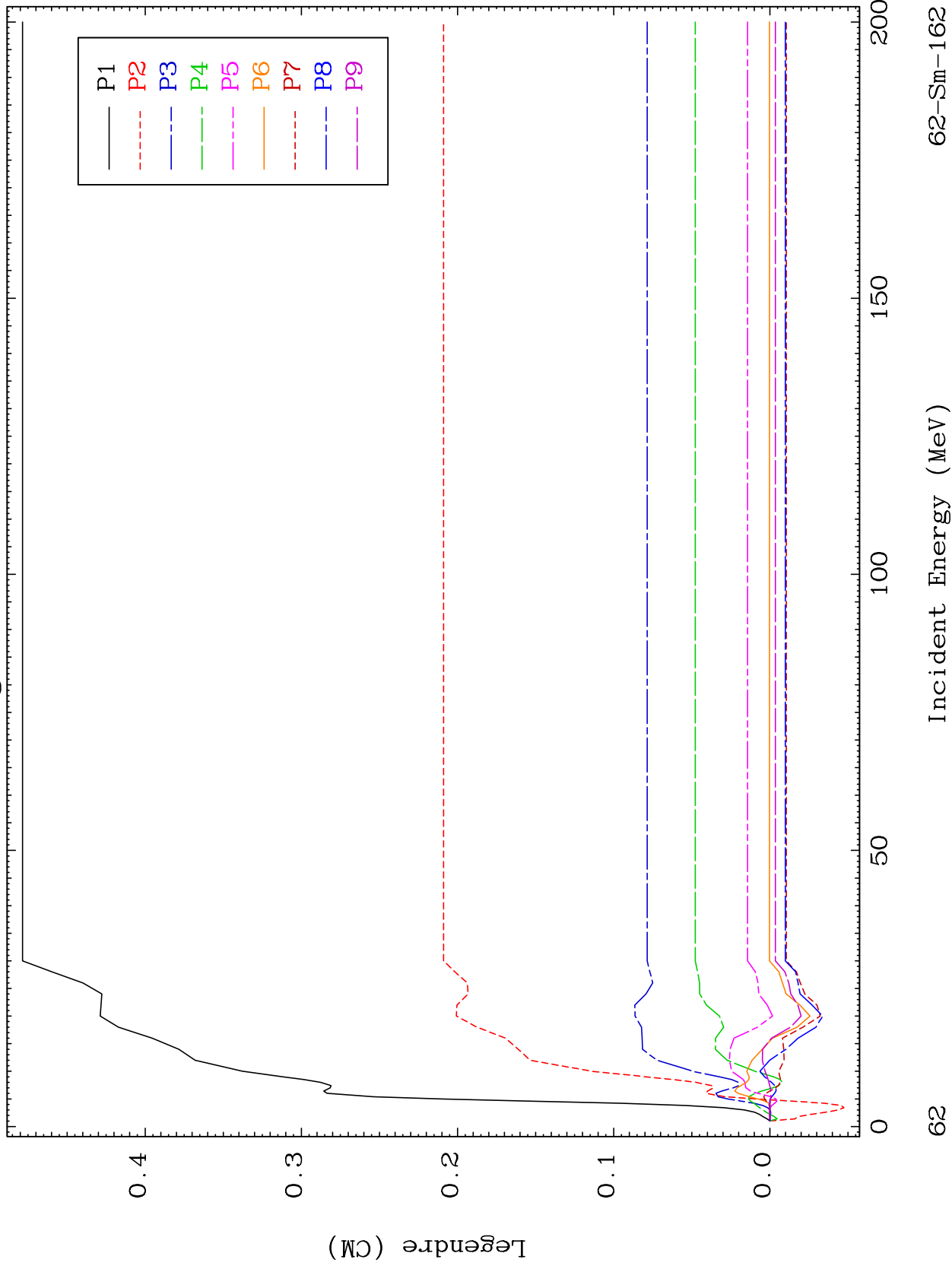
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

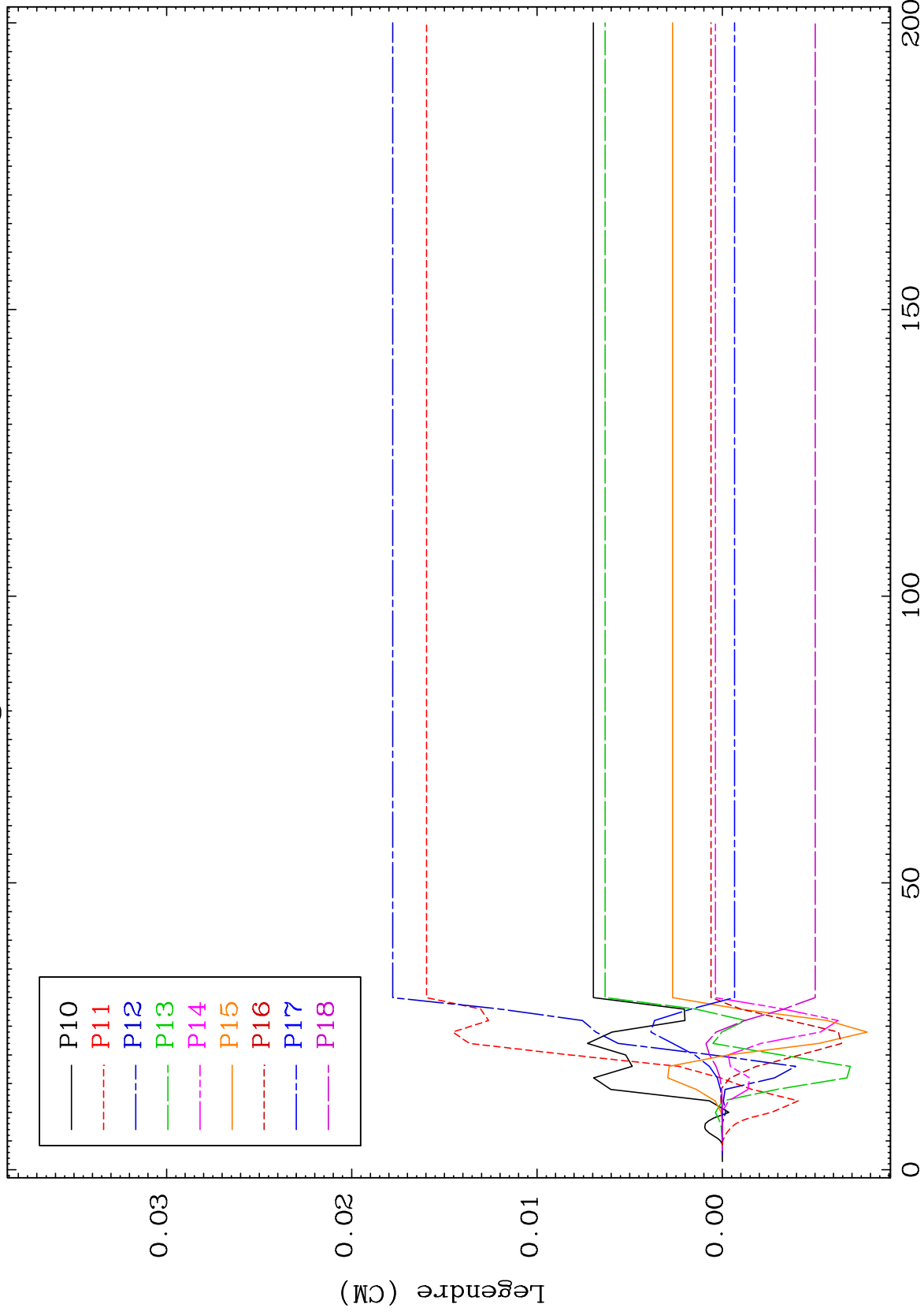
Incident Energy (MeV)

62

MAT 6279

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

62-Sm-162



63

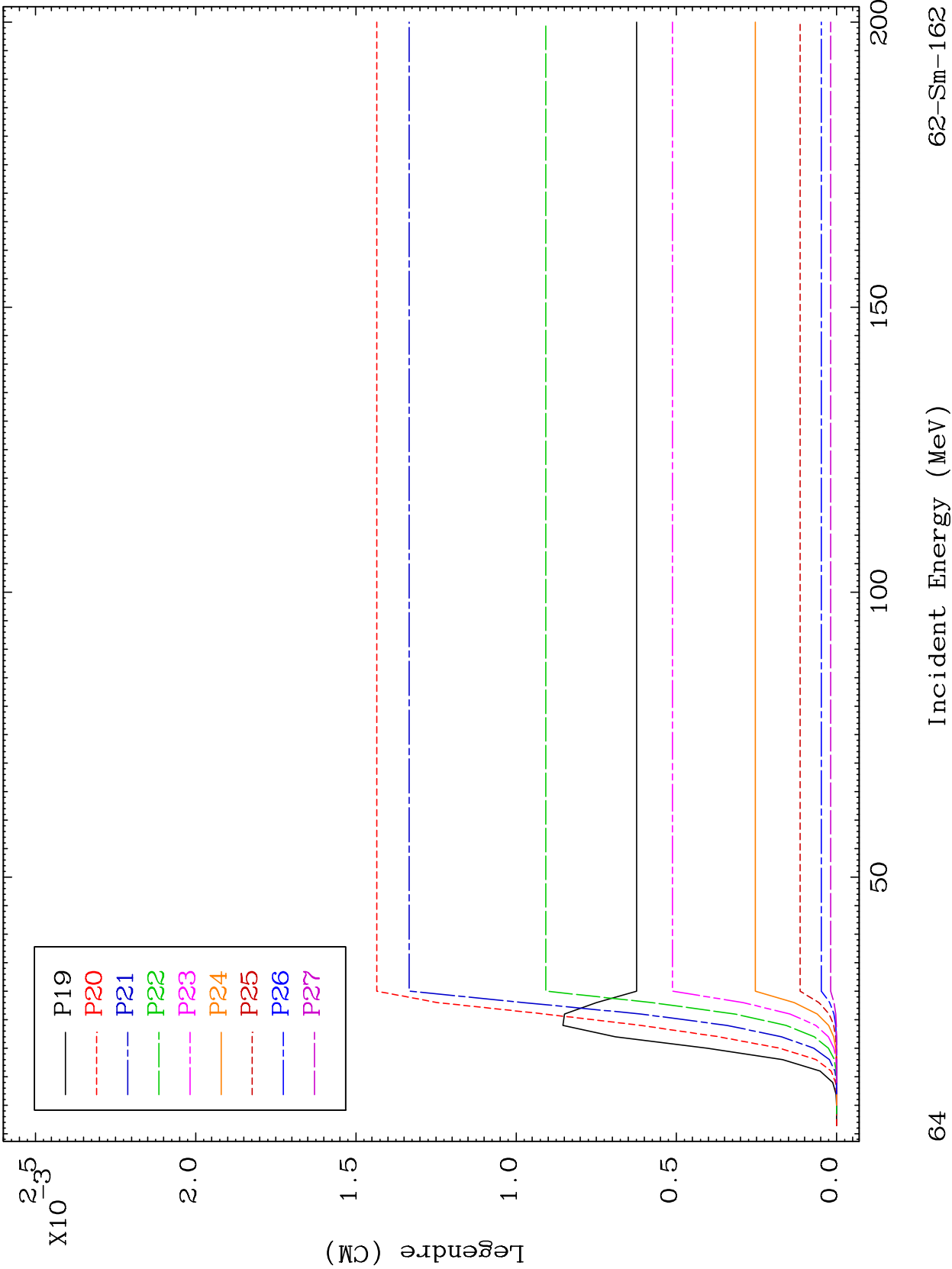
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



64

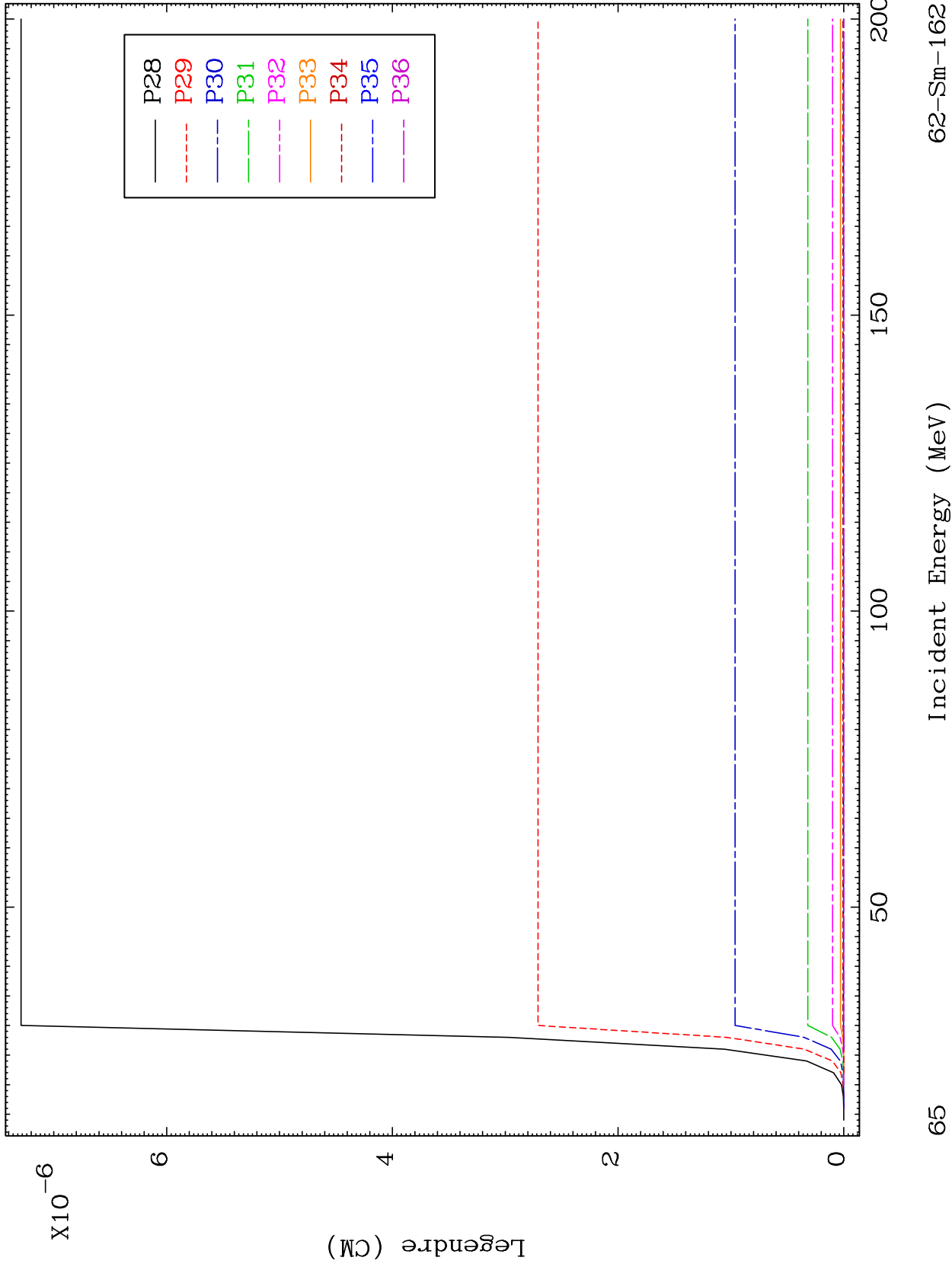
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162

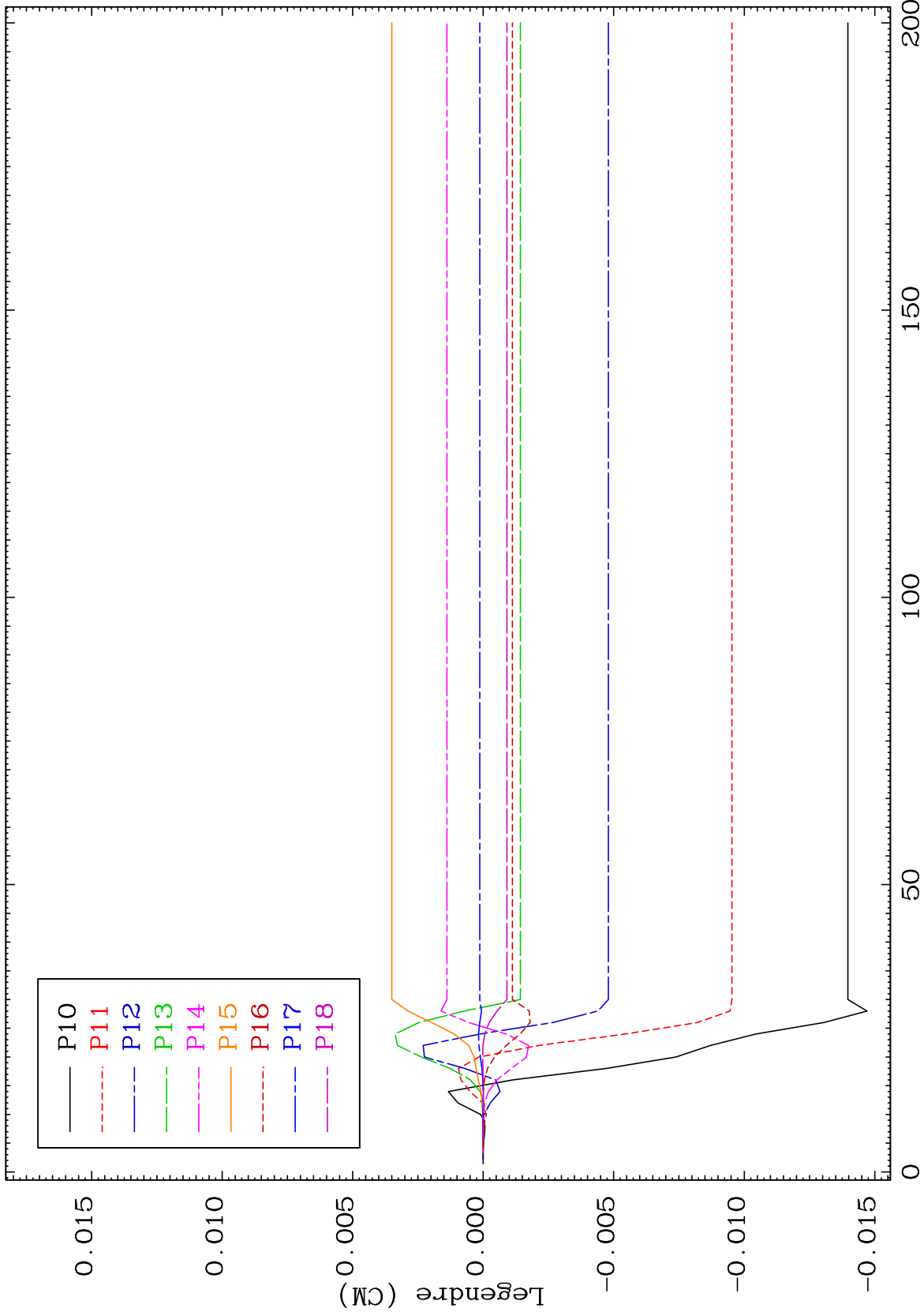




MAT 6279

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

62-Sm-162



67

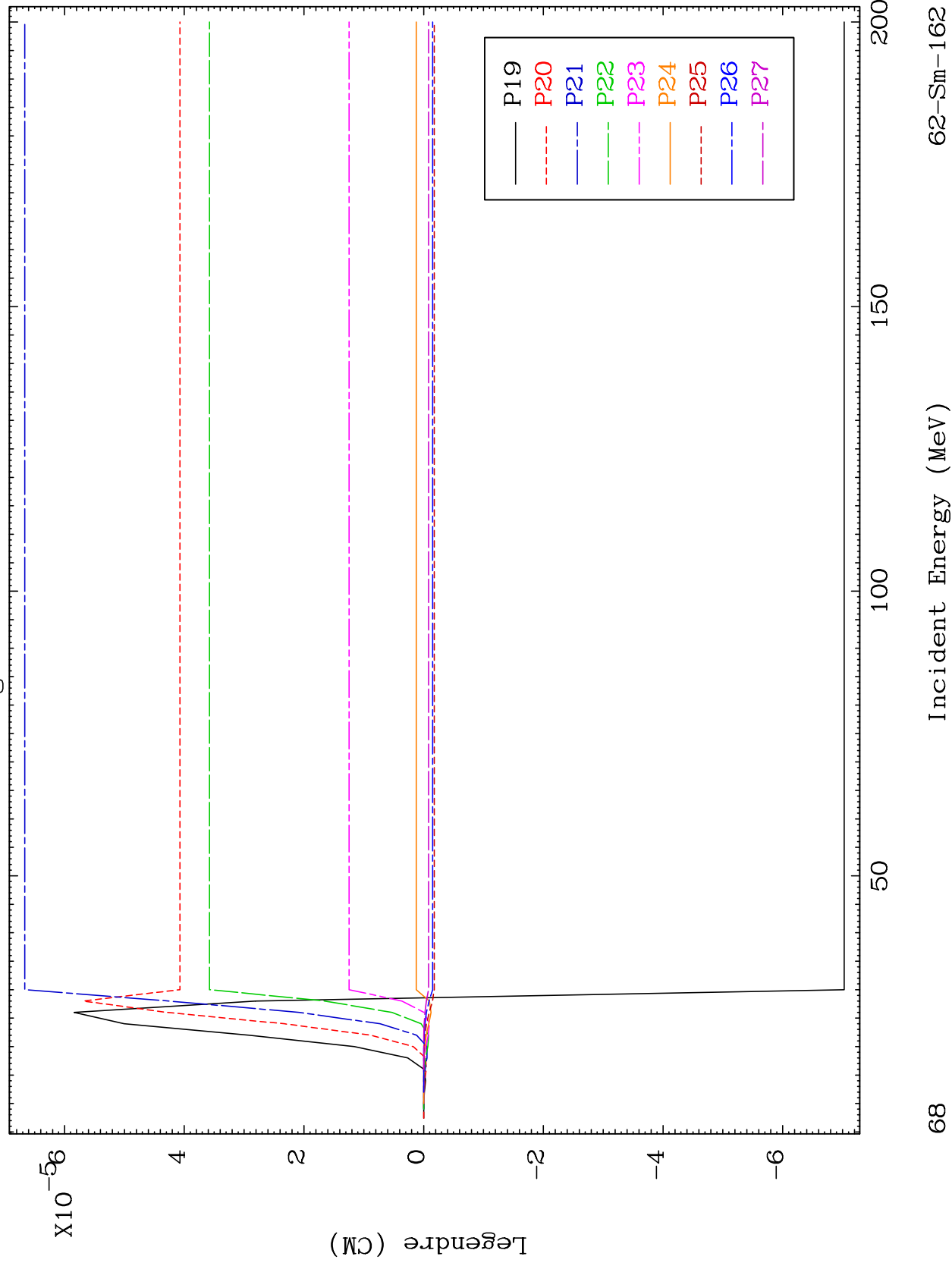
Incident Energy (MeV)

62-Sm-162

MAT 6279

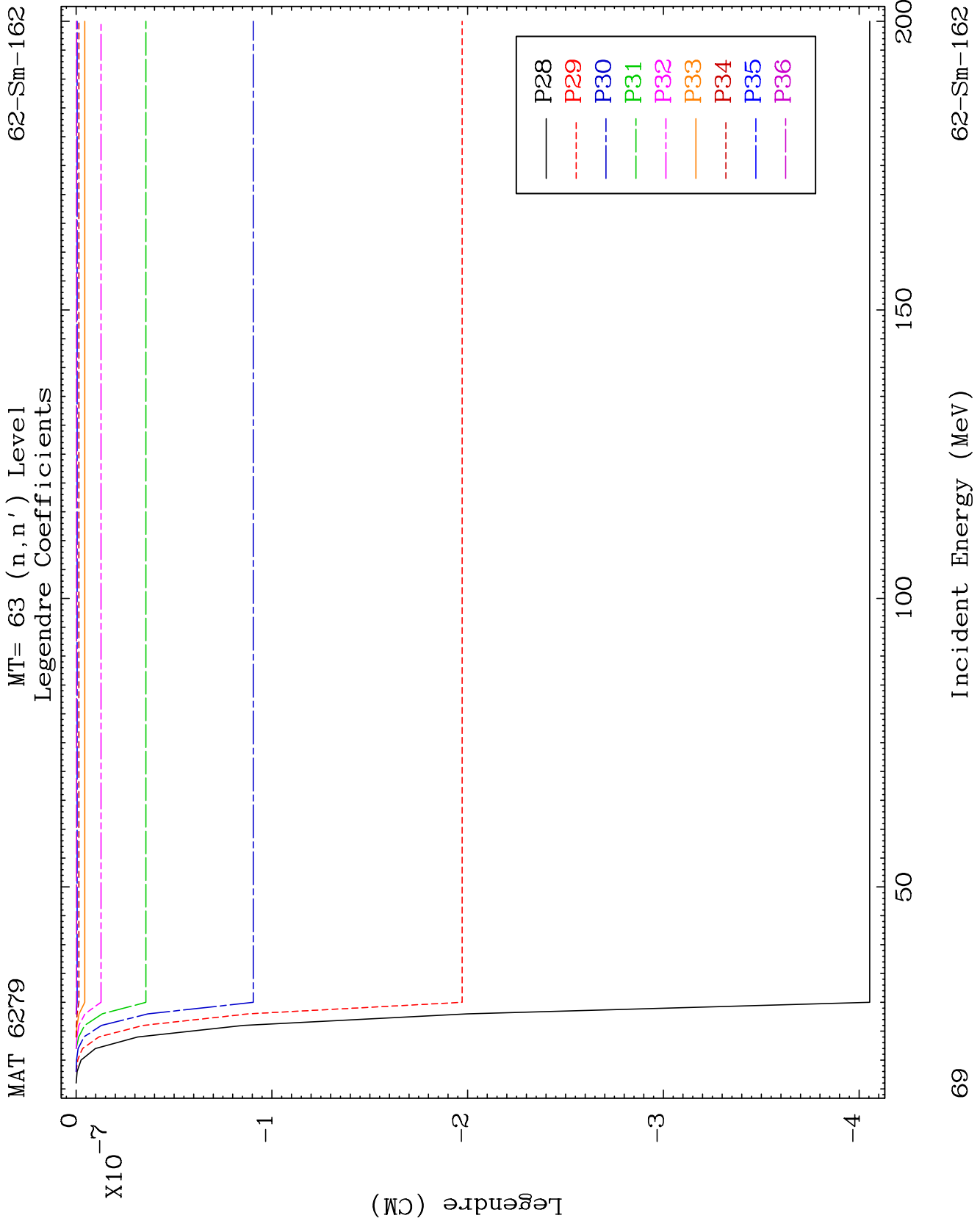
MT= 63 (n,n') Level  
Legendre Coefficients

62-Sm-162



68

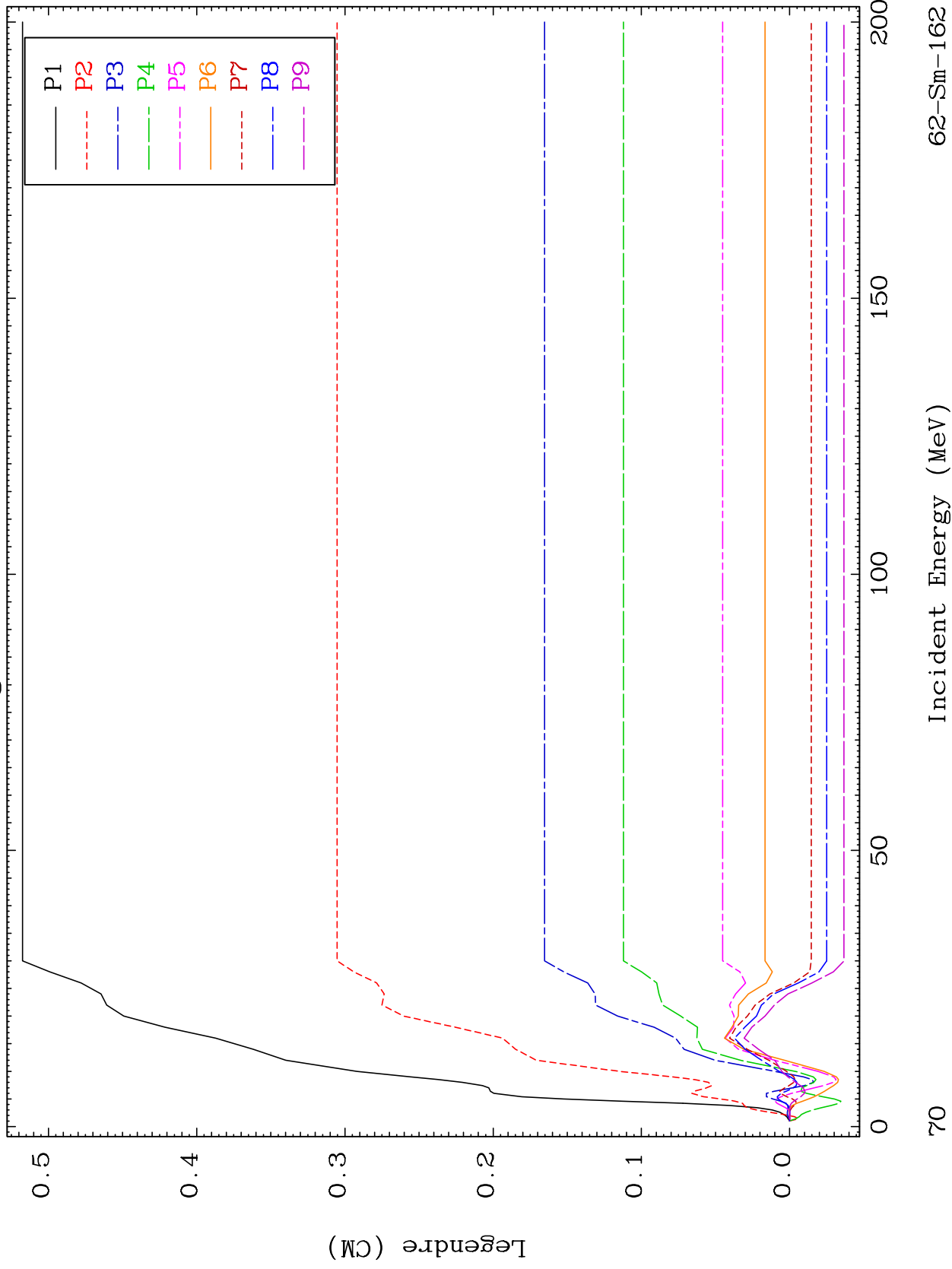
62-Sm-162



MAT 6279

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

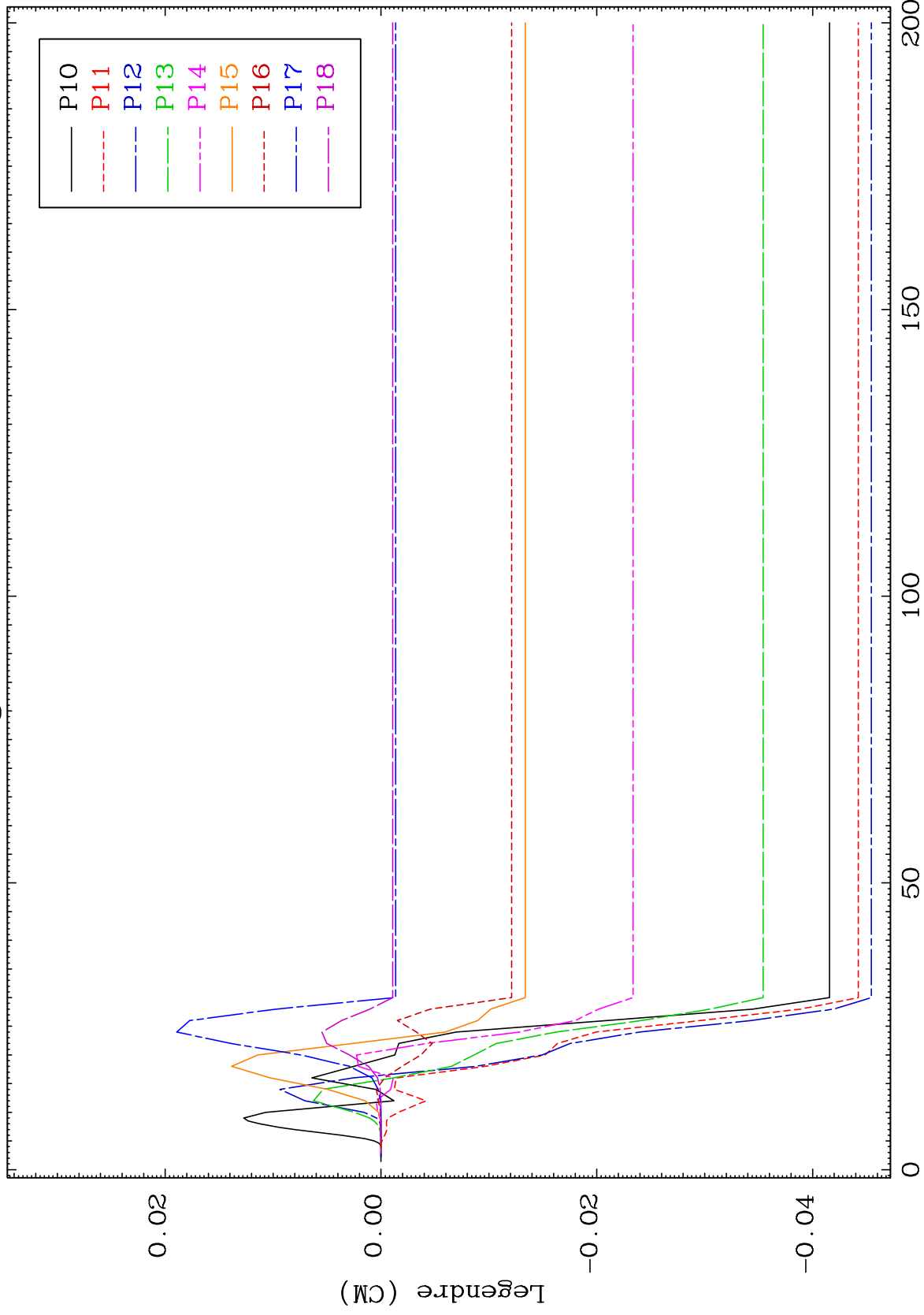
62-Sm-162



MAT 6279

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

62-Sm-162



71

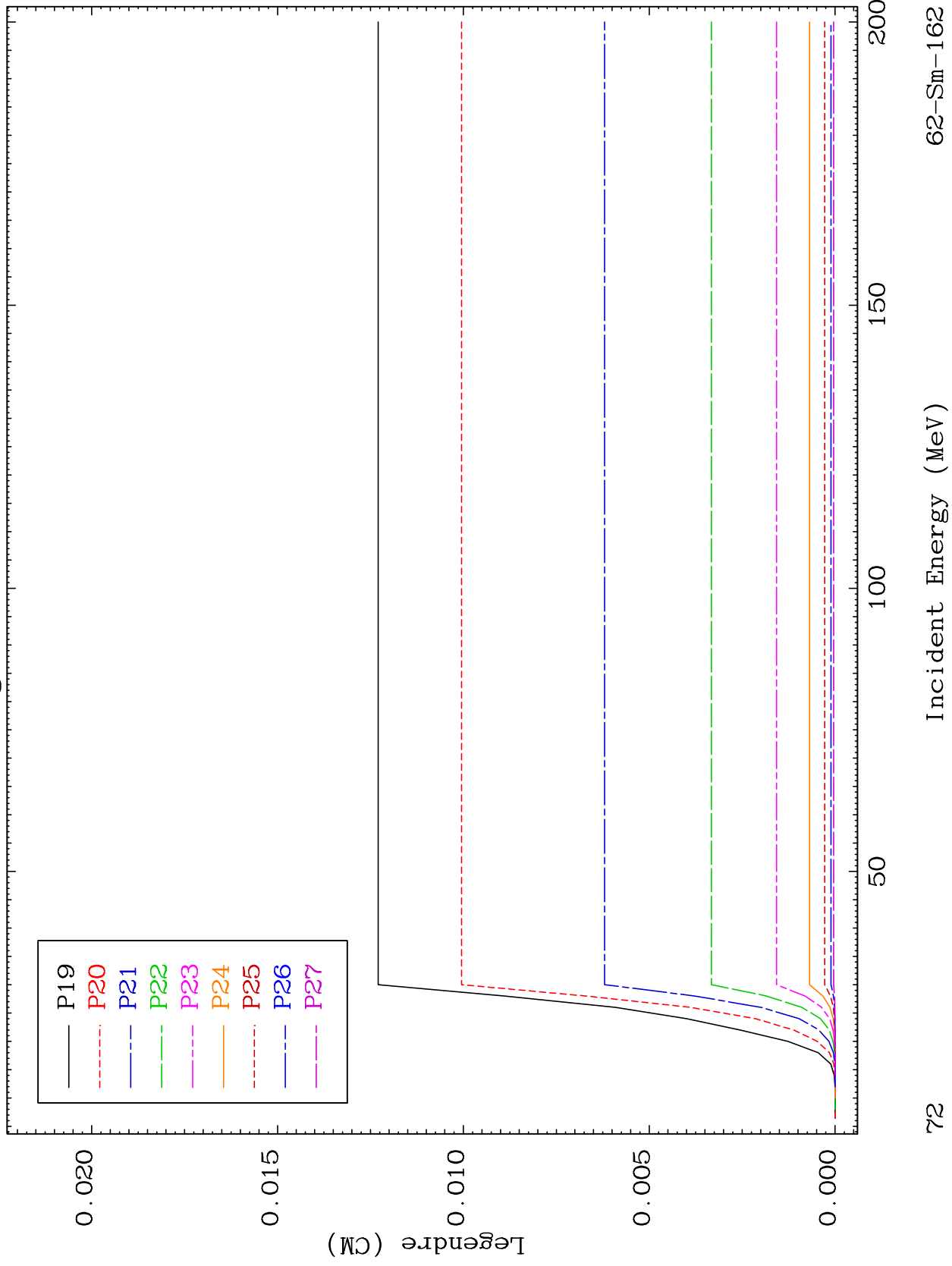
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



72

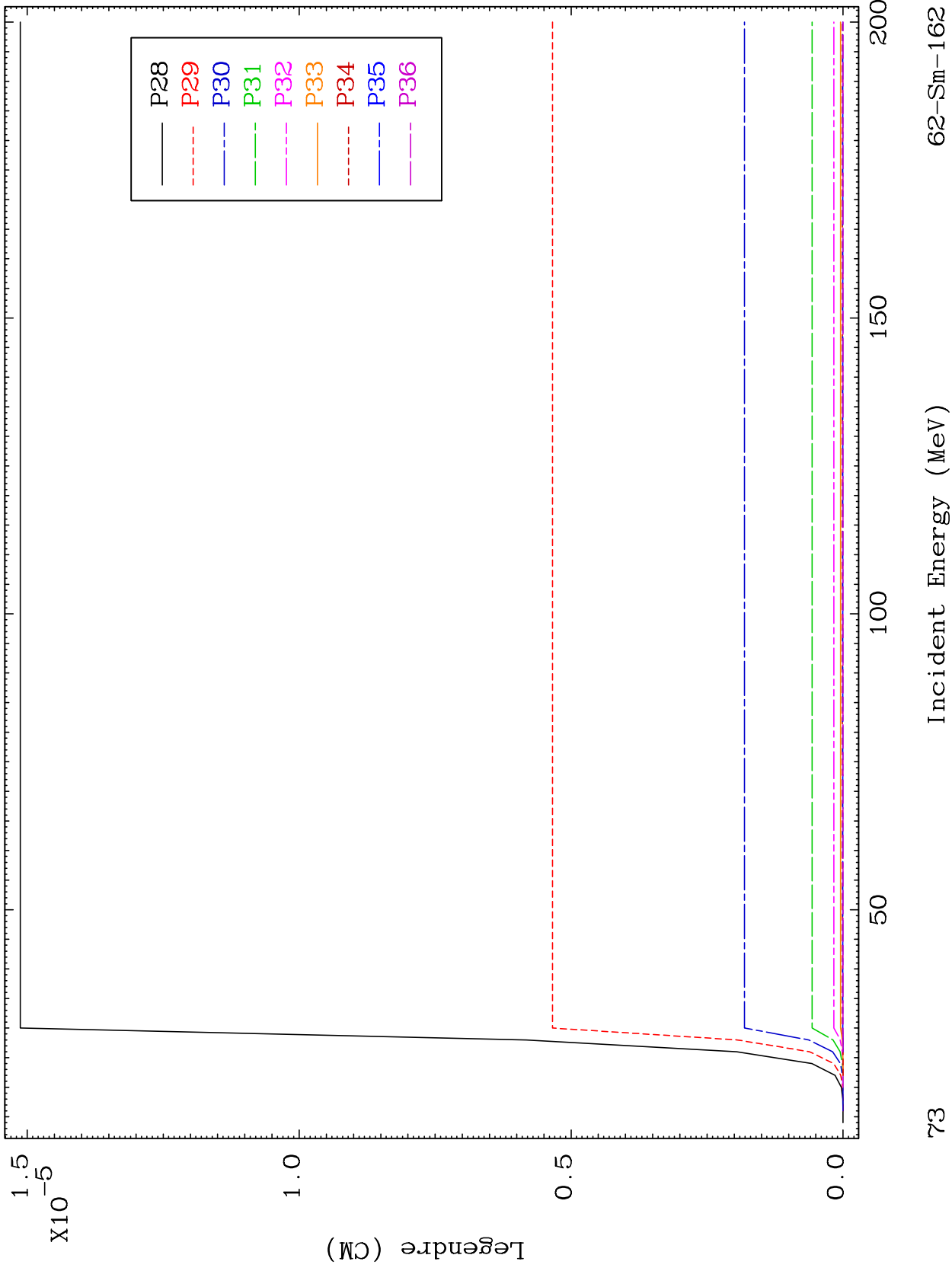
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



73

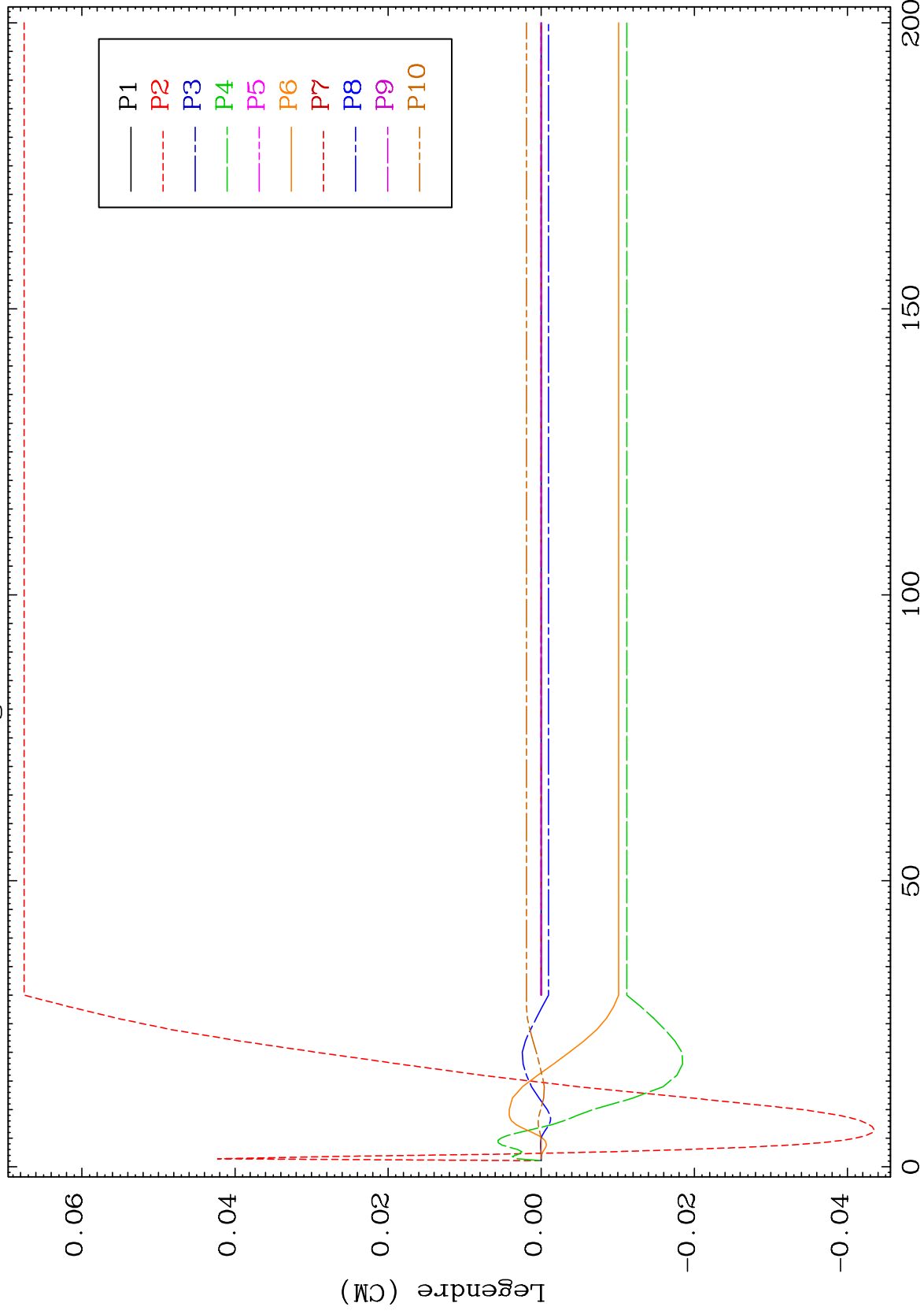
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

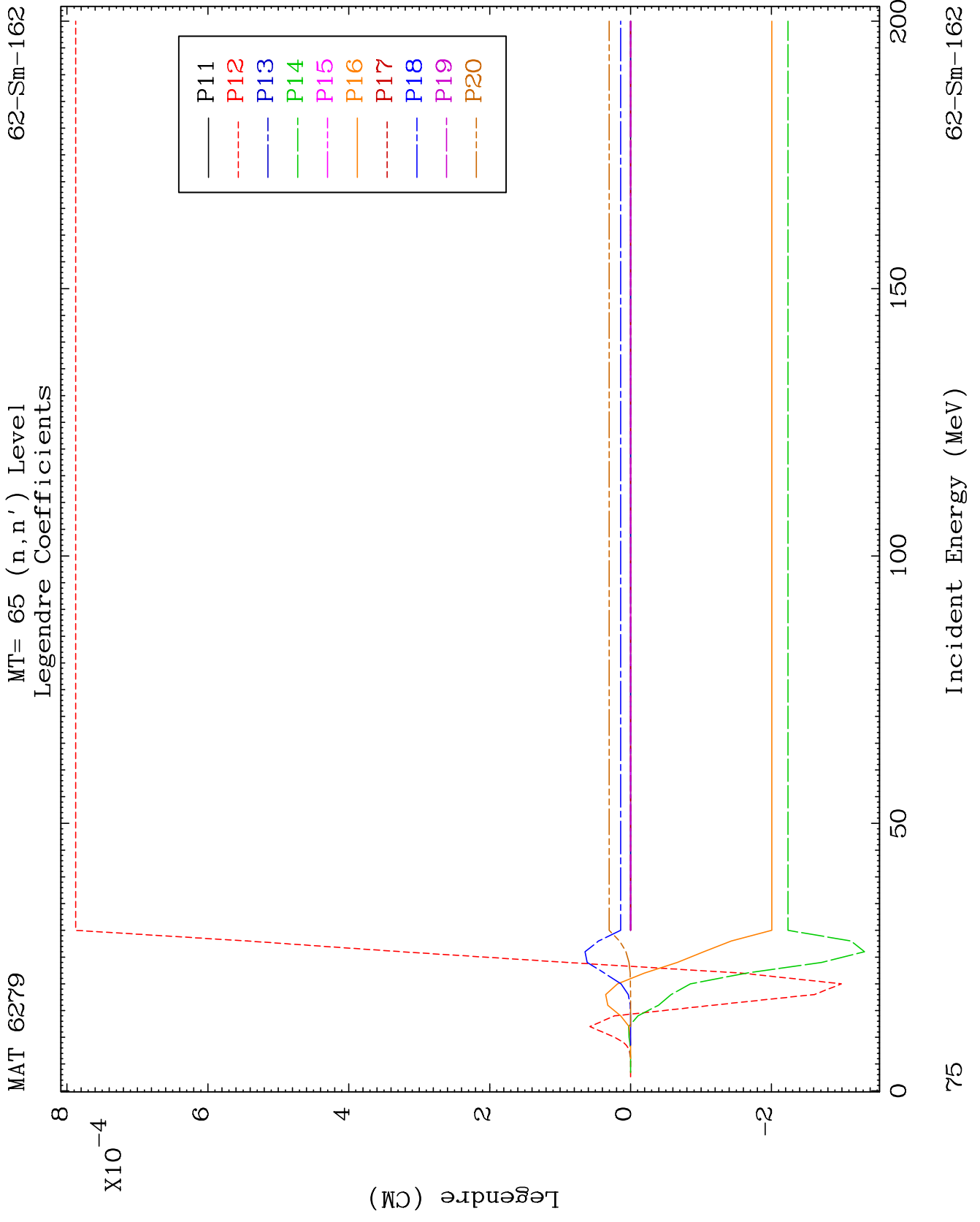
62-Sm-162



74

Incident Energy (MeV)

62-Sm-162

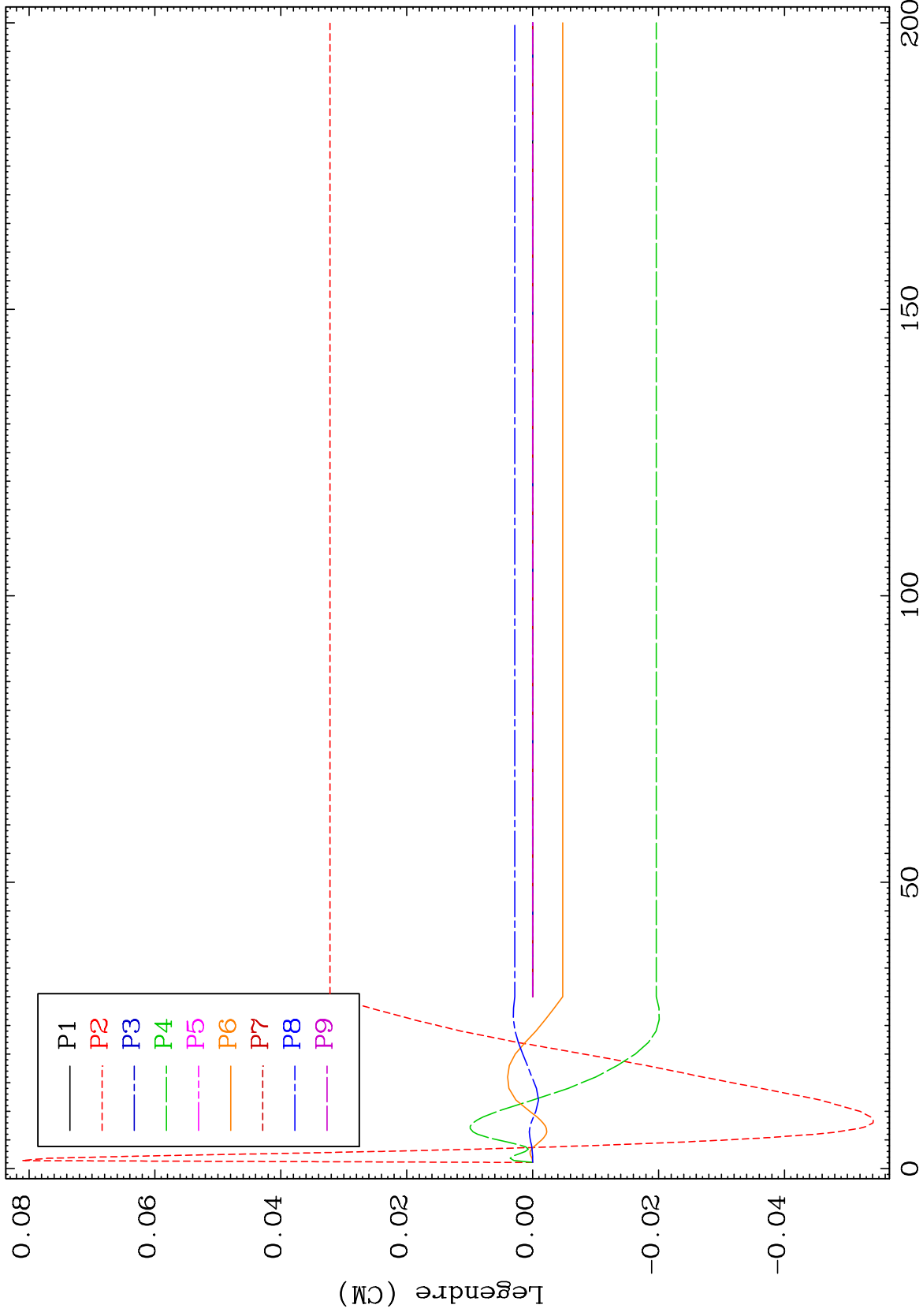




MAT 6279

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

62-Sm-162



77

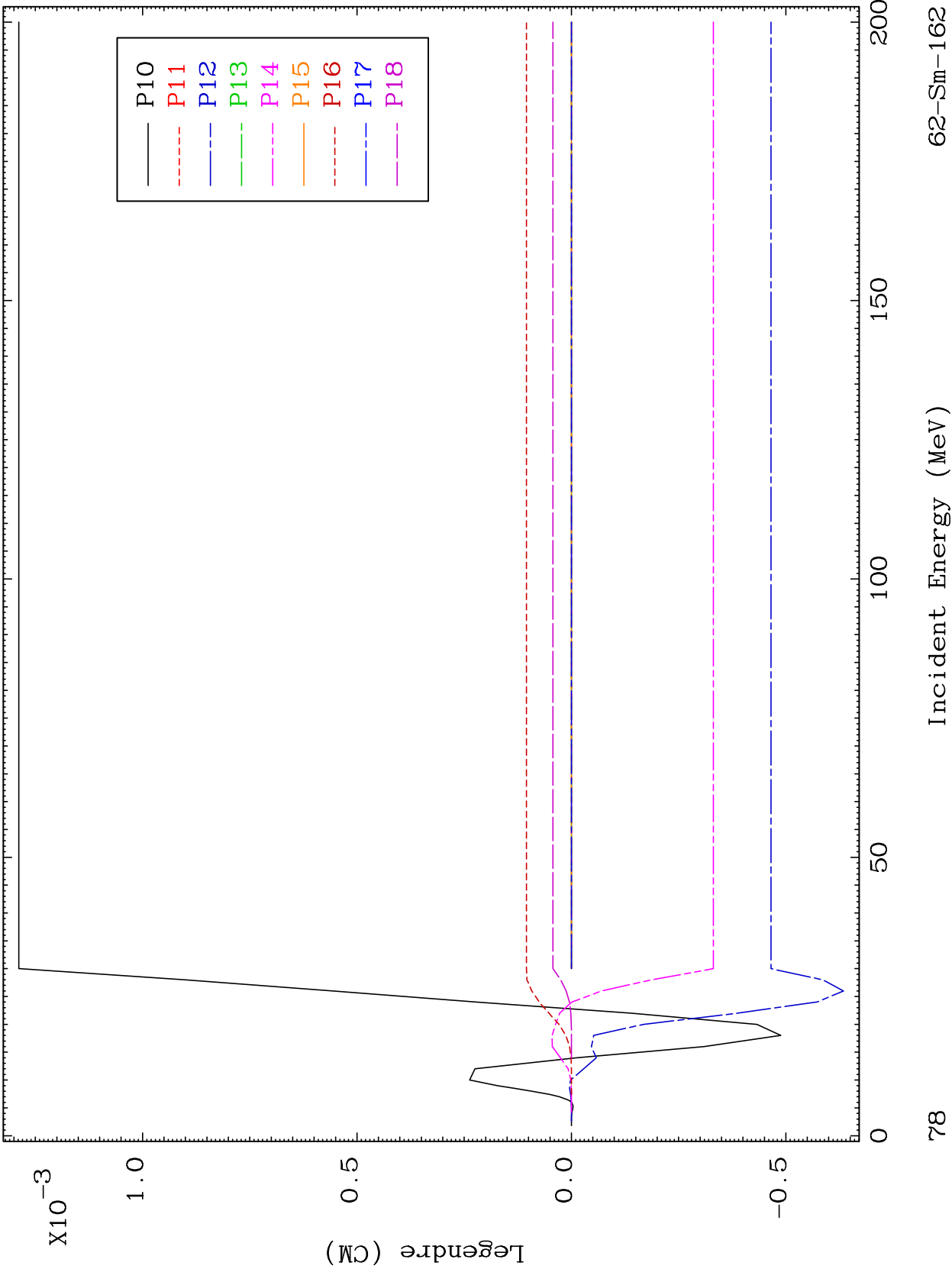
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

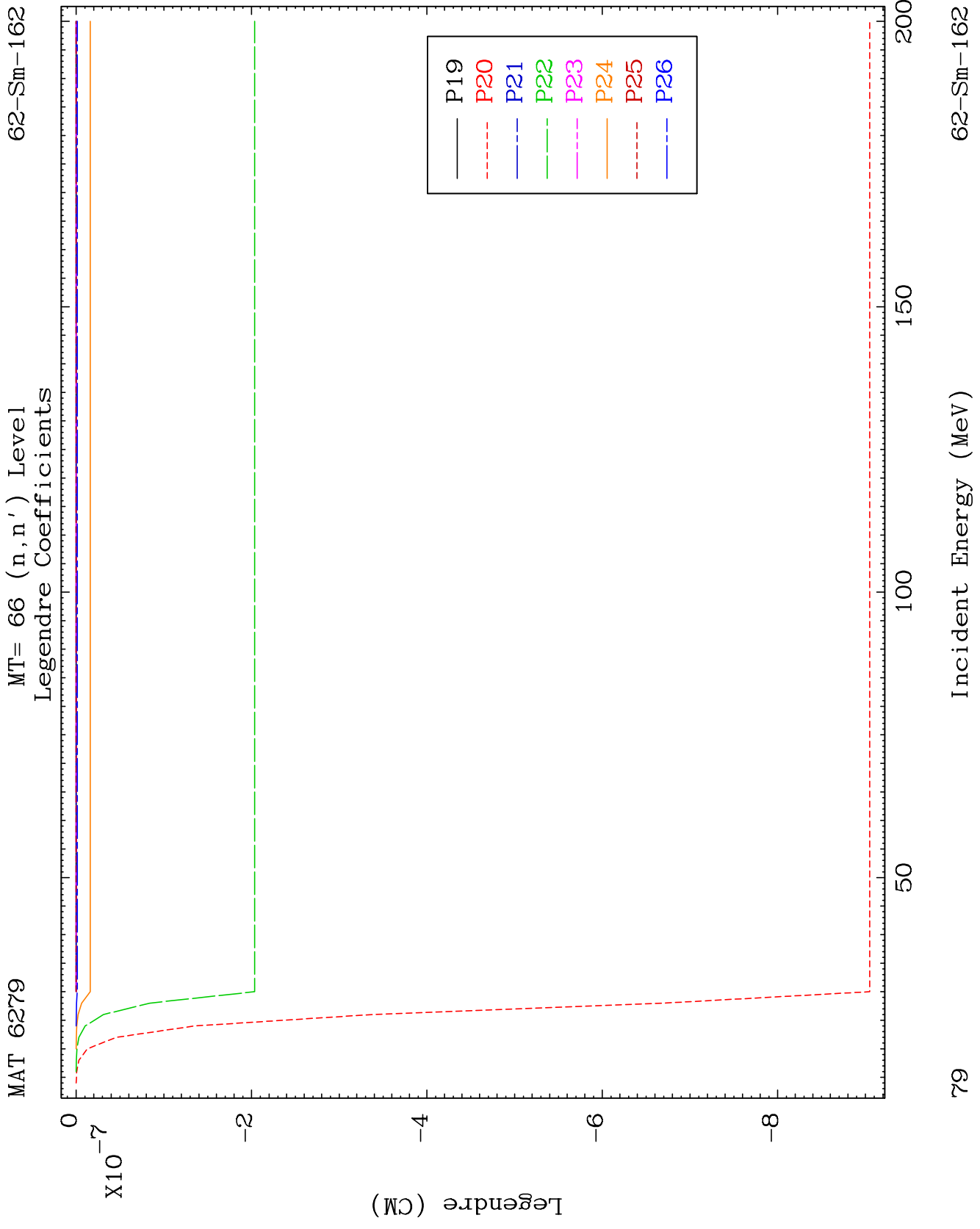
62-Sm-162

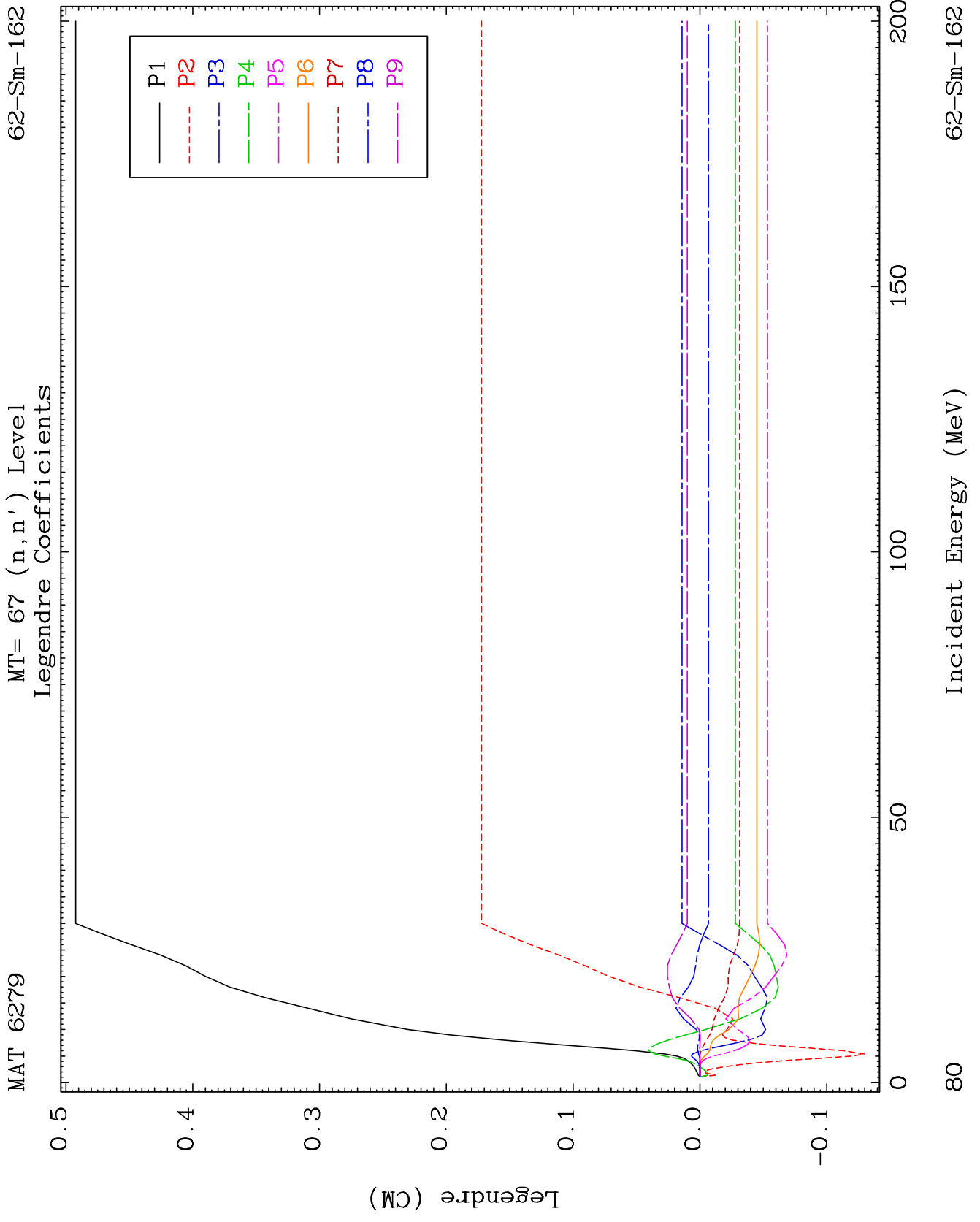


62-Sm-162

Incident Energy (MeV)

78

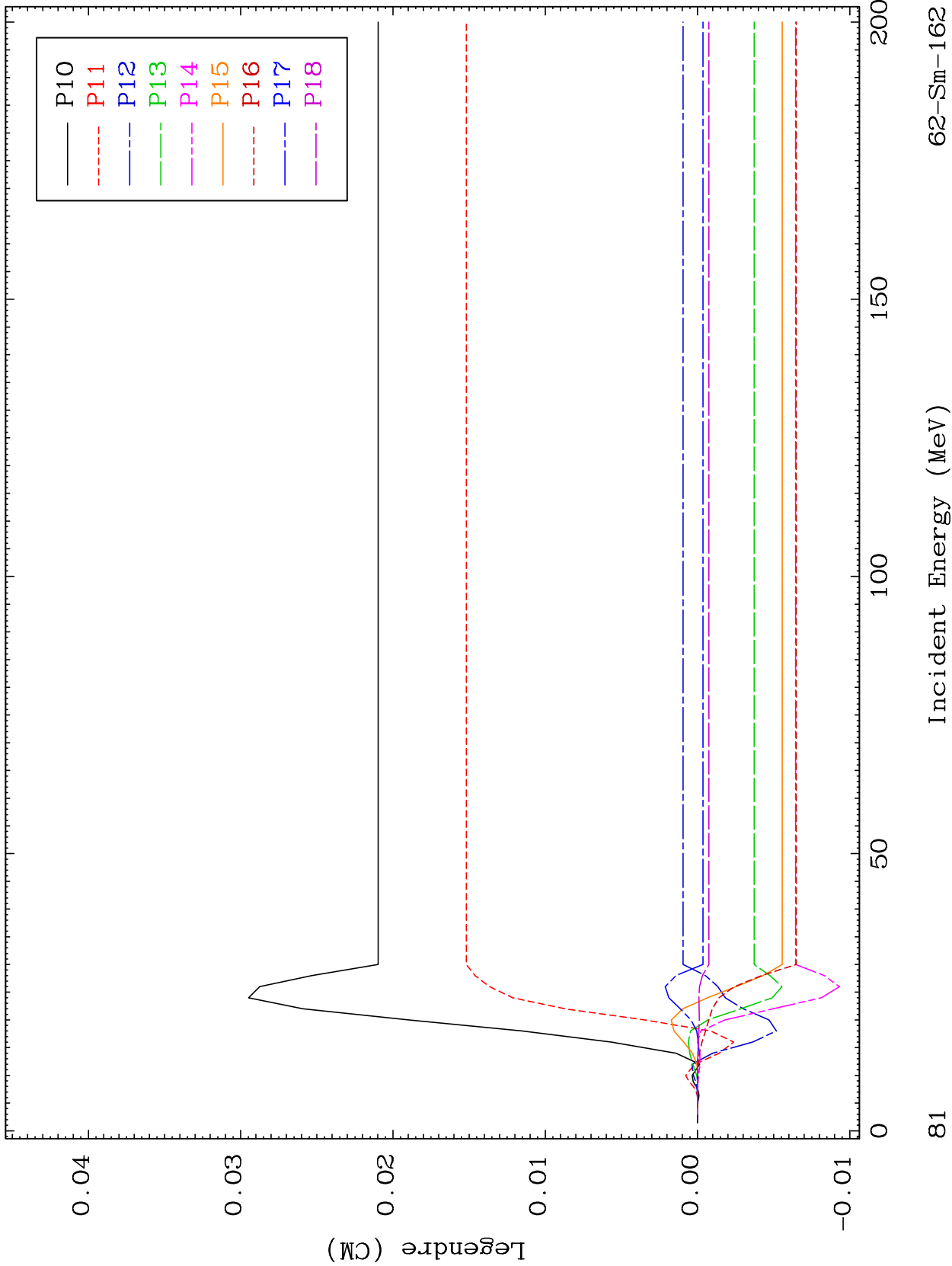




MAT 6279

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

62-Sm-162



81

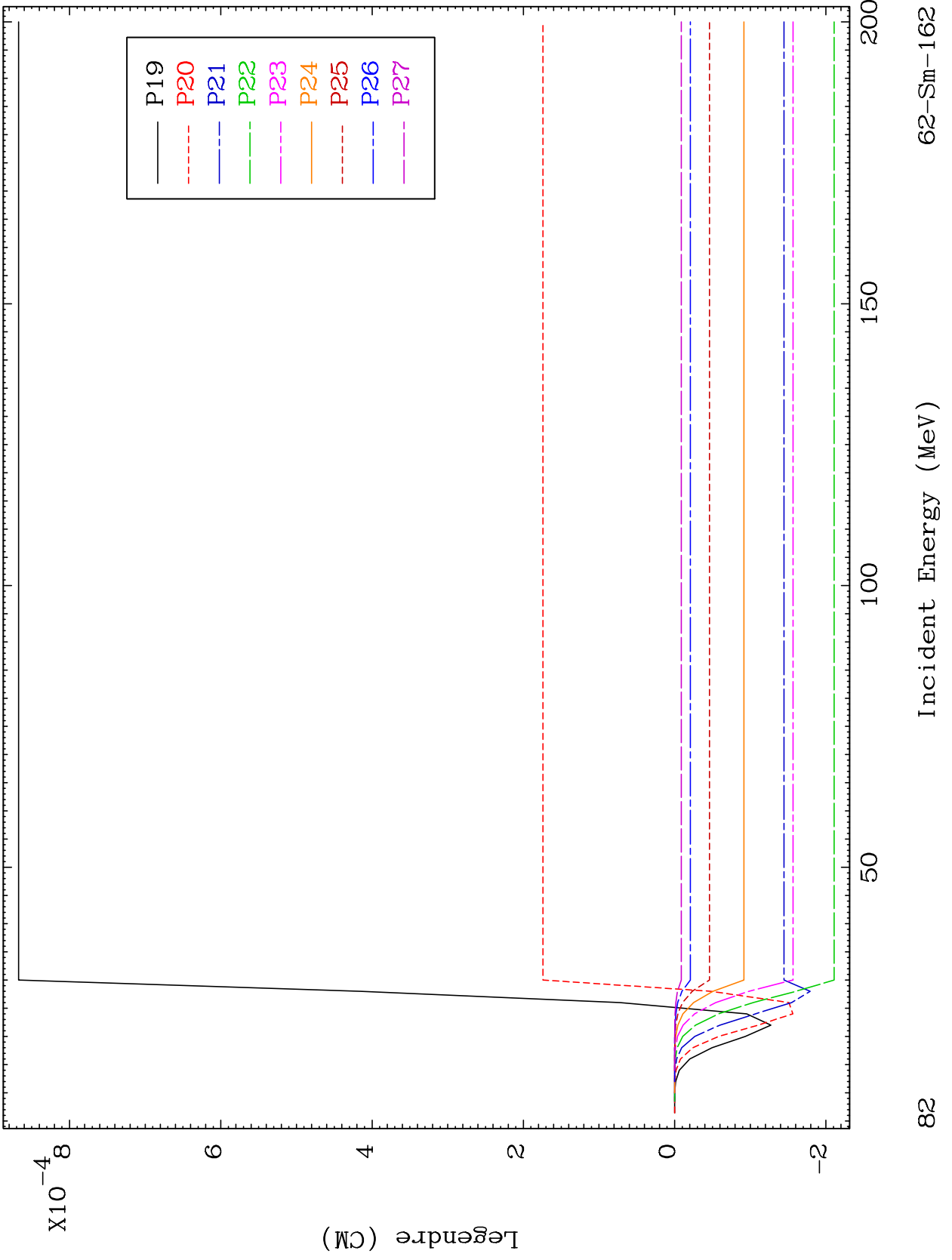
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

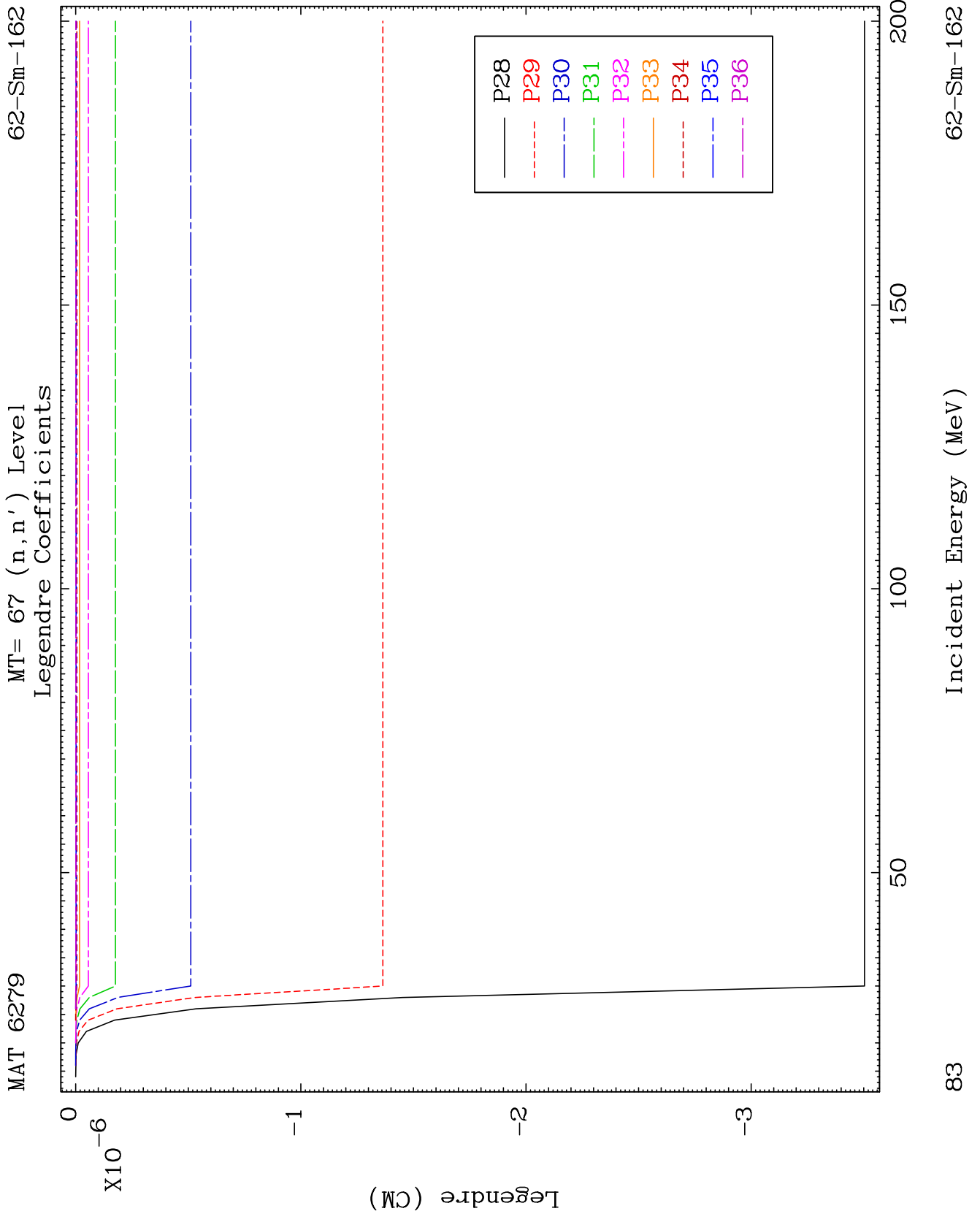
62-Sm-162



82

Incident Energy (MeV)

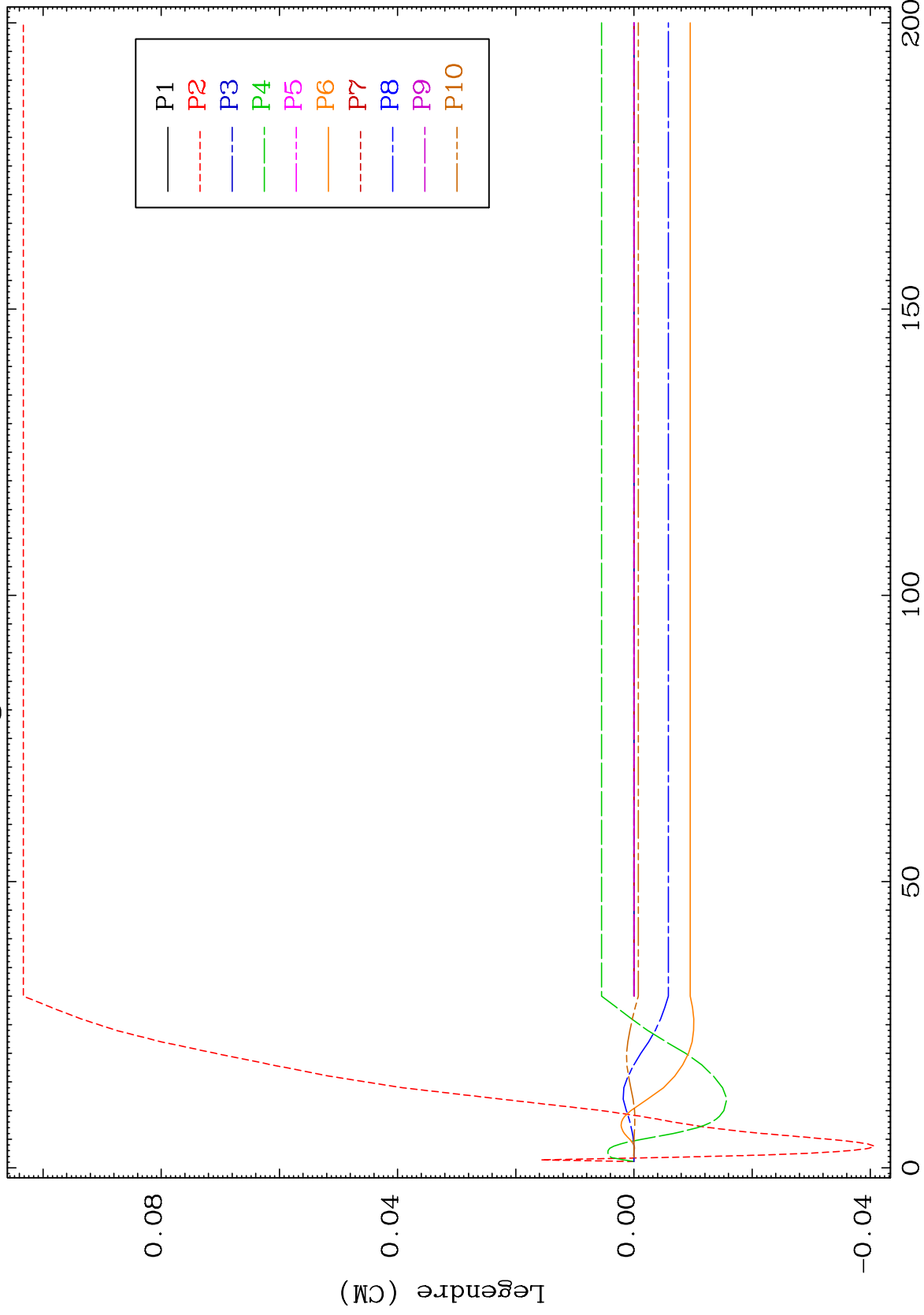
62-Sm-162



MAT 6279

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

62-Sm-162



84

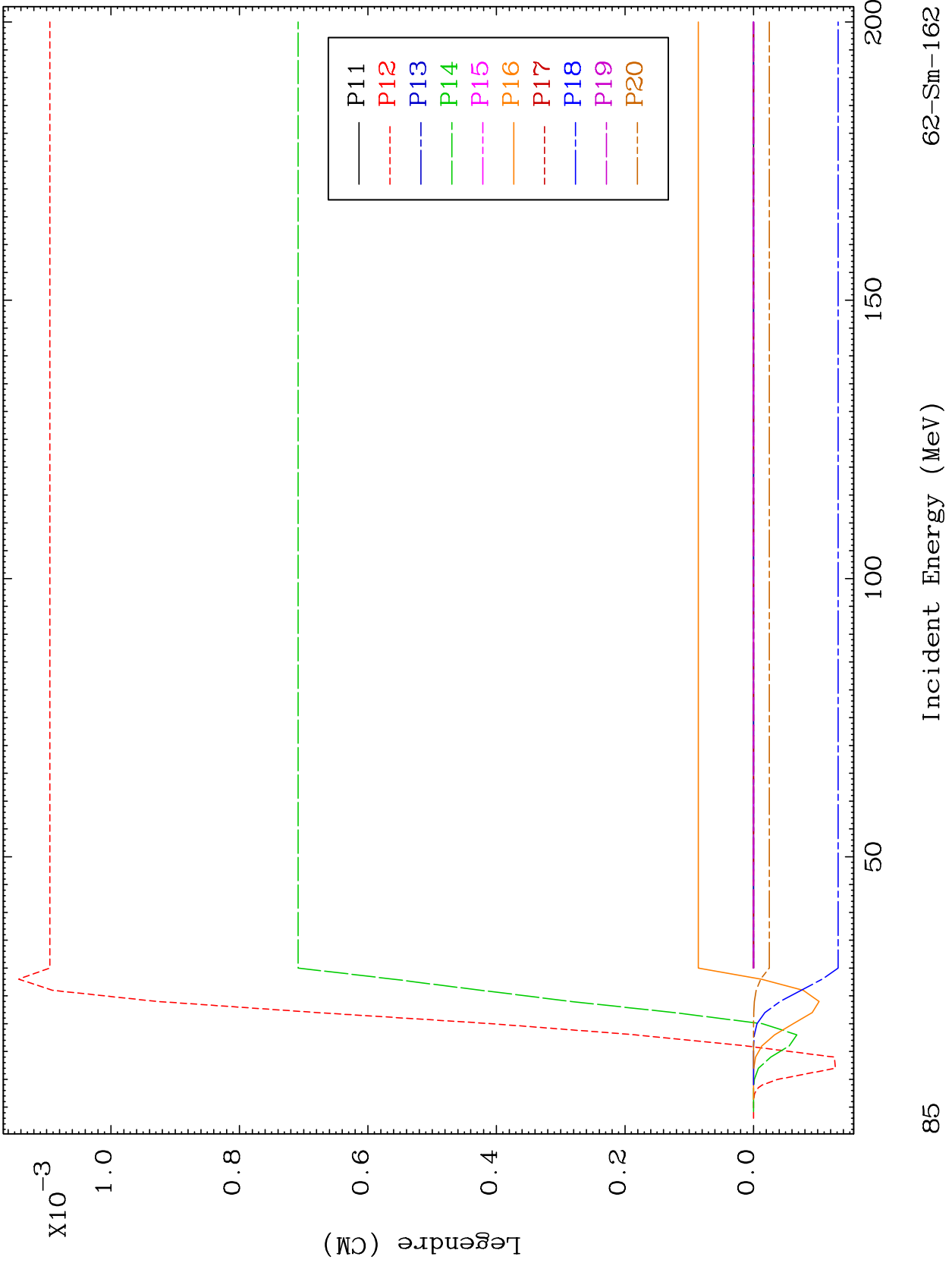
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

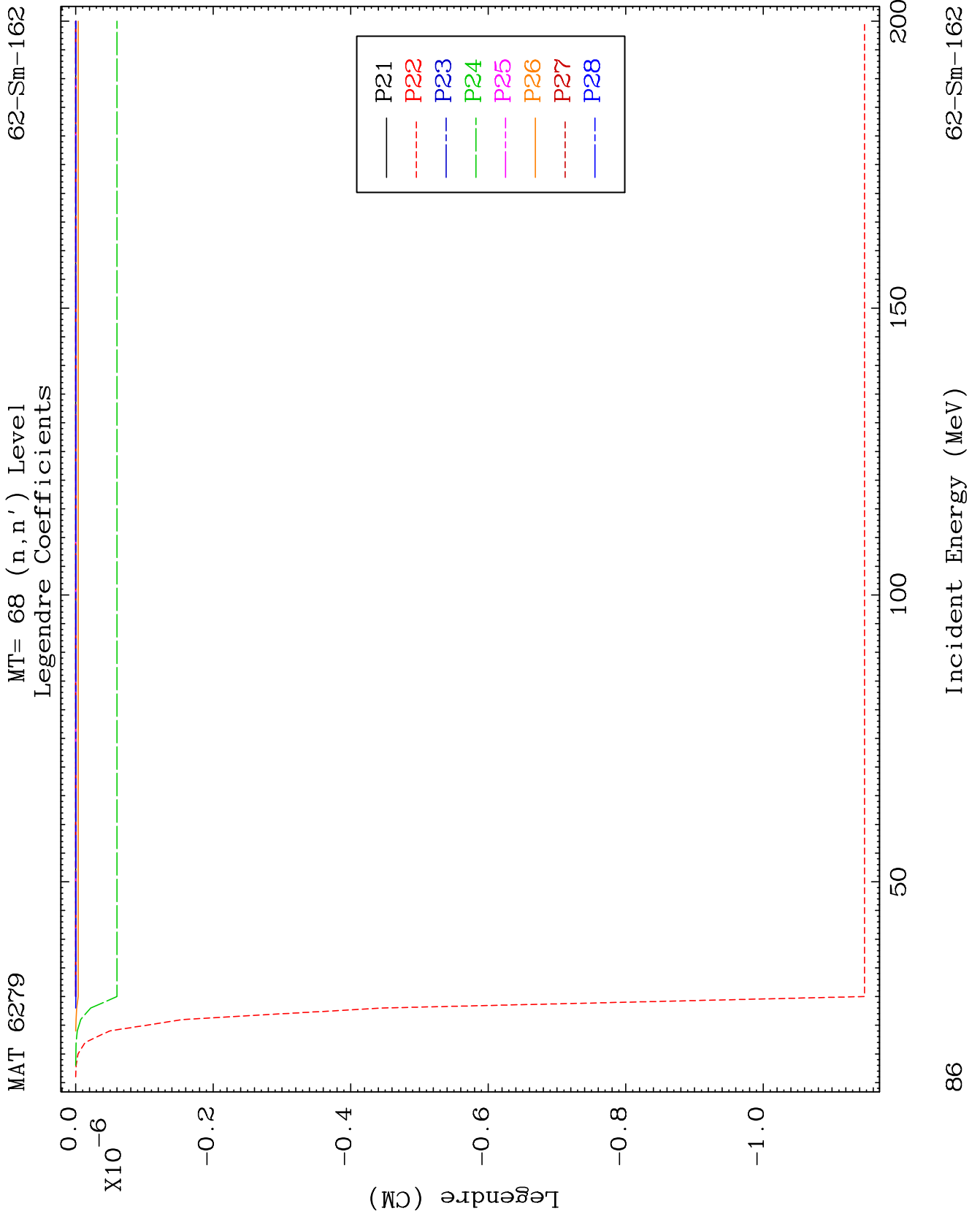
62-Sm-162

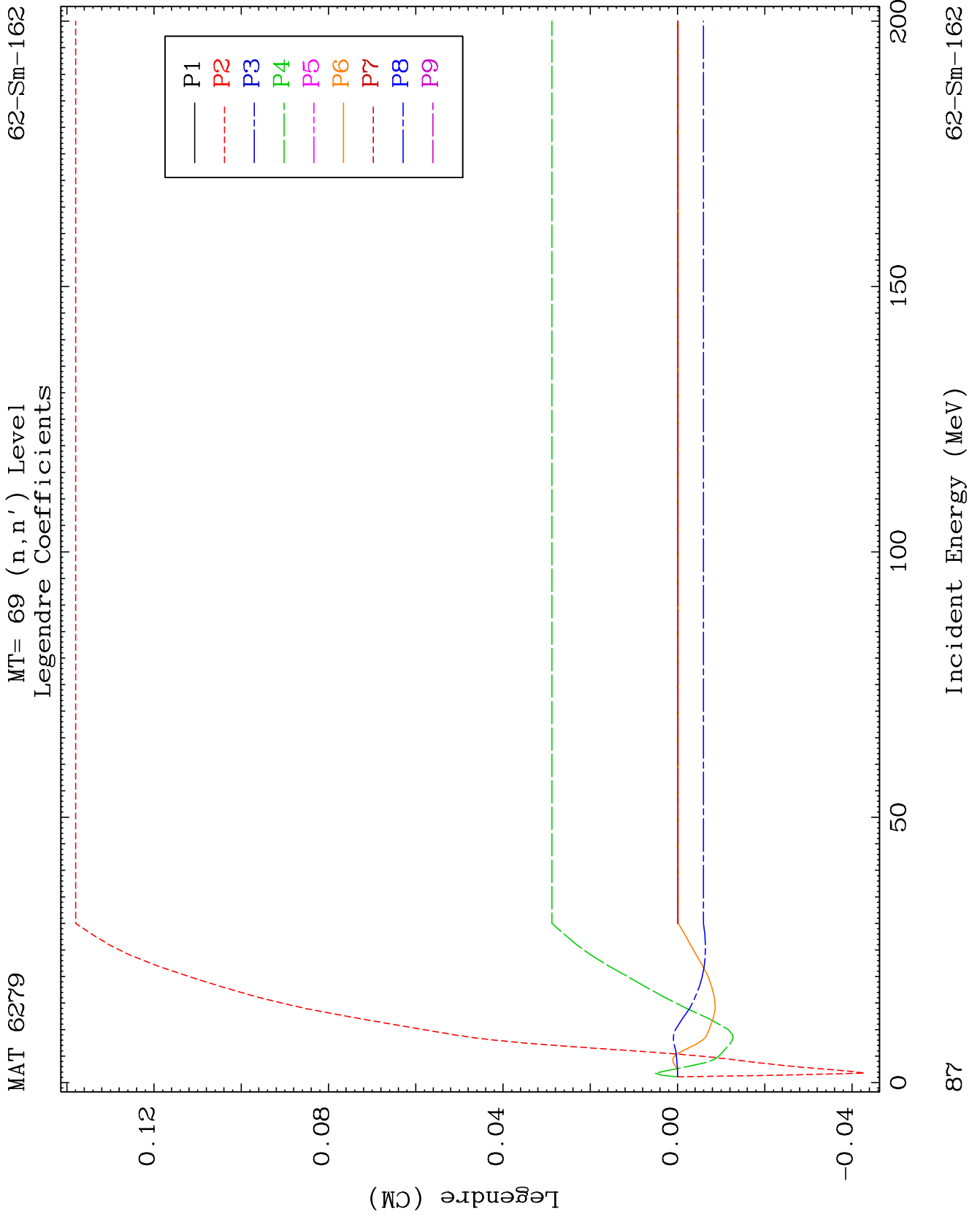


85

Incident Energy (MeV)

62-Sm-162

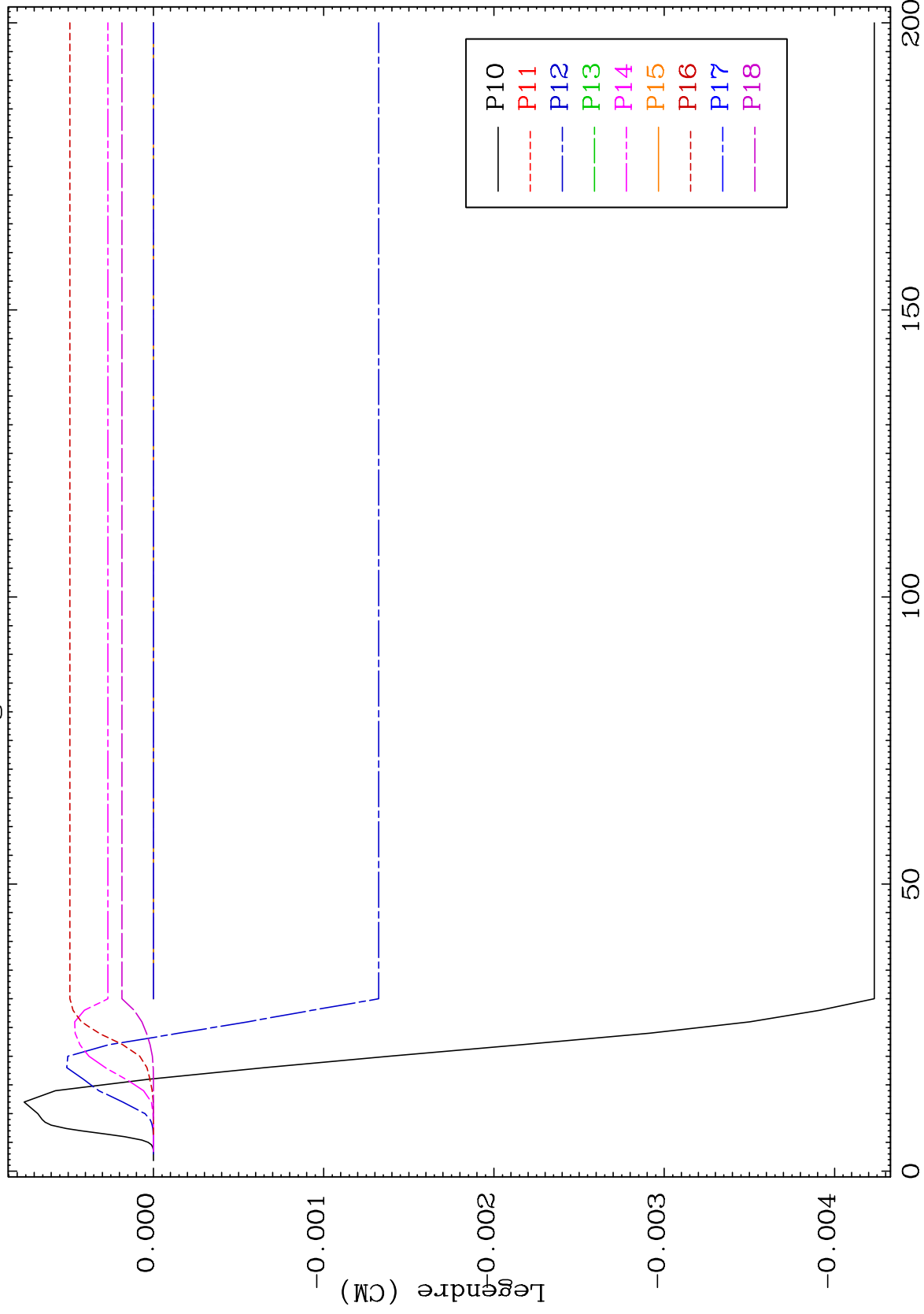




MAT 6279

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

62-Sm-162



88

Incident Energy (MeV)

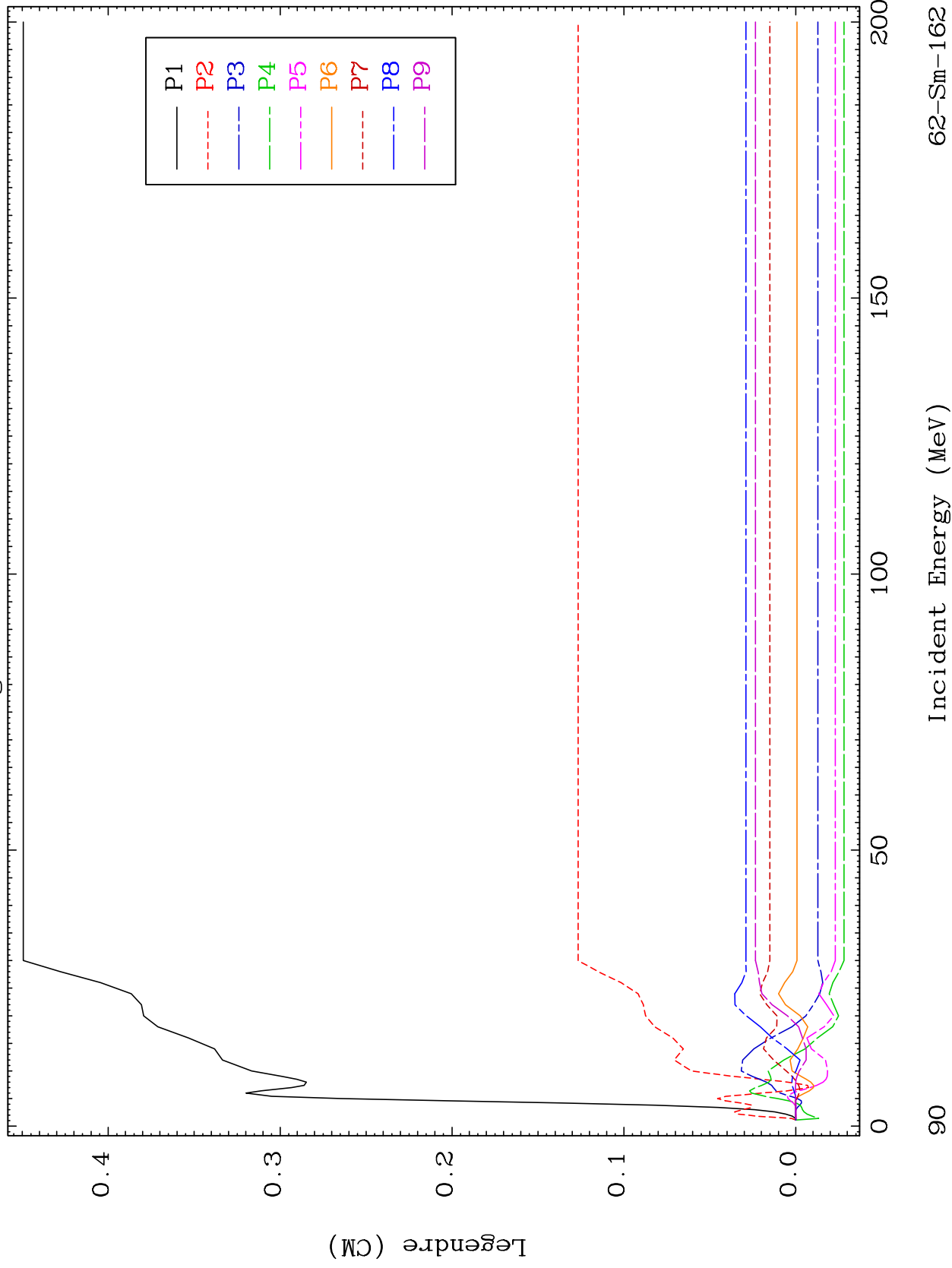
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

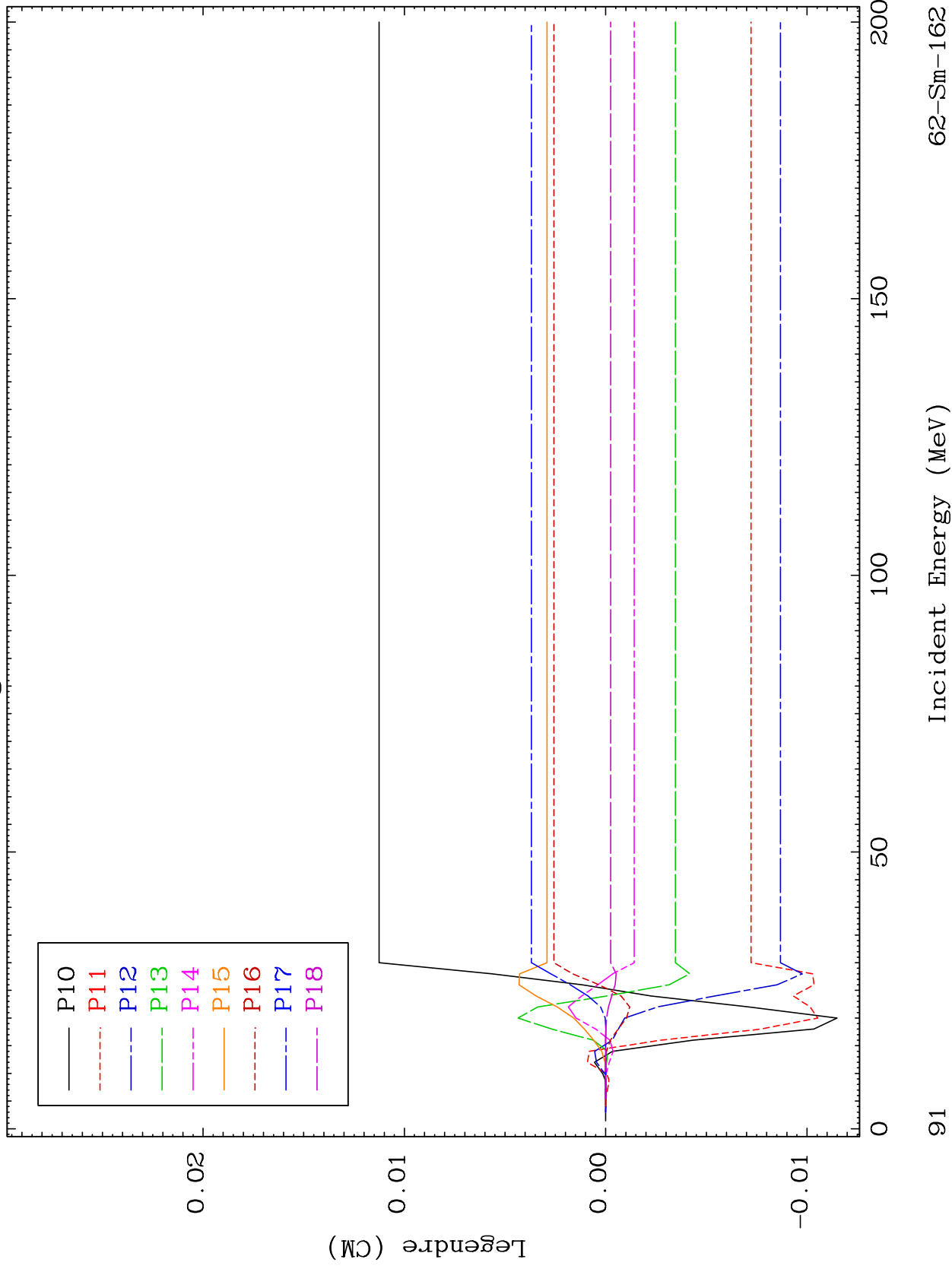
Incident Energy (MeV)

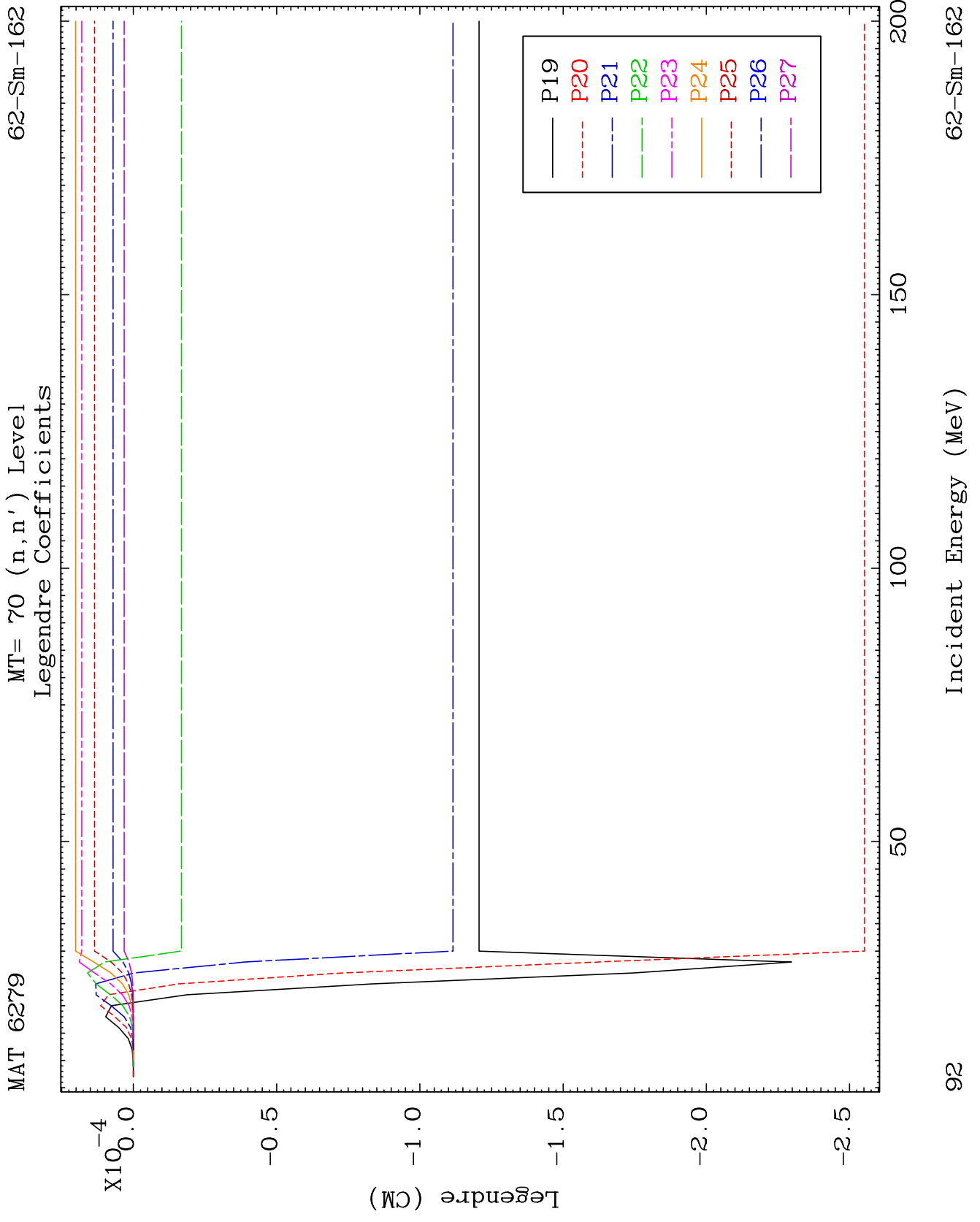
90

MAT 6279

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

62-Sm-162

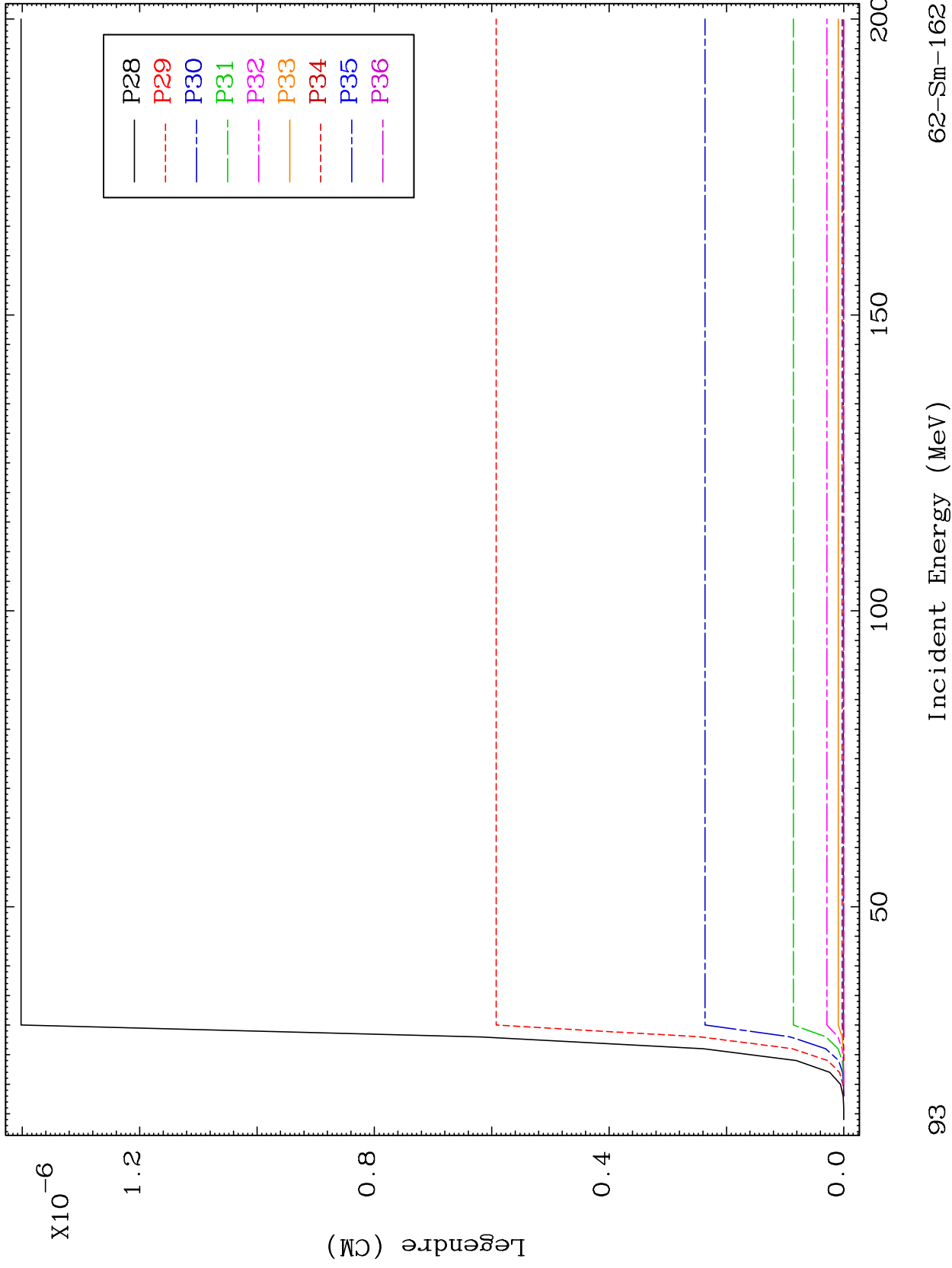


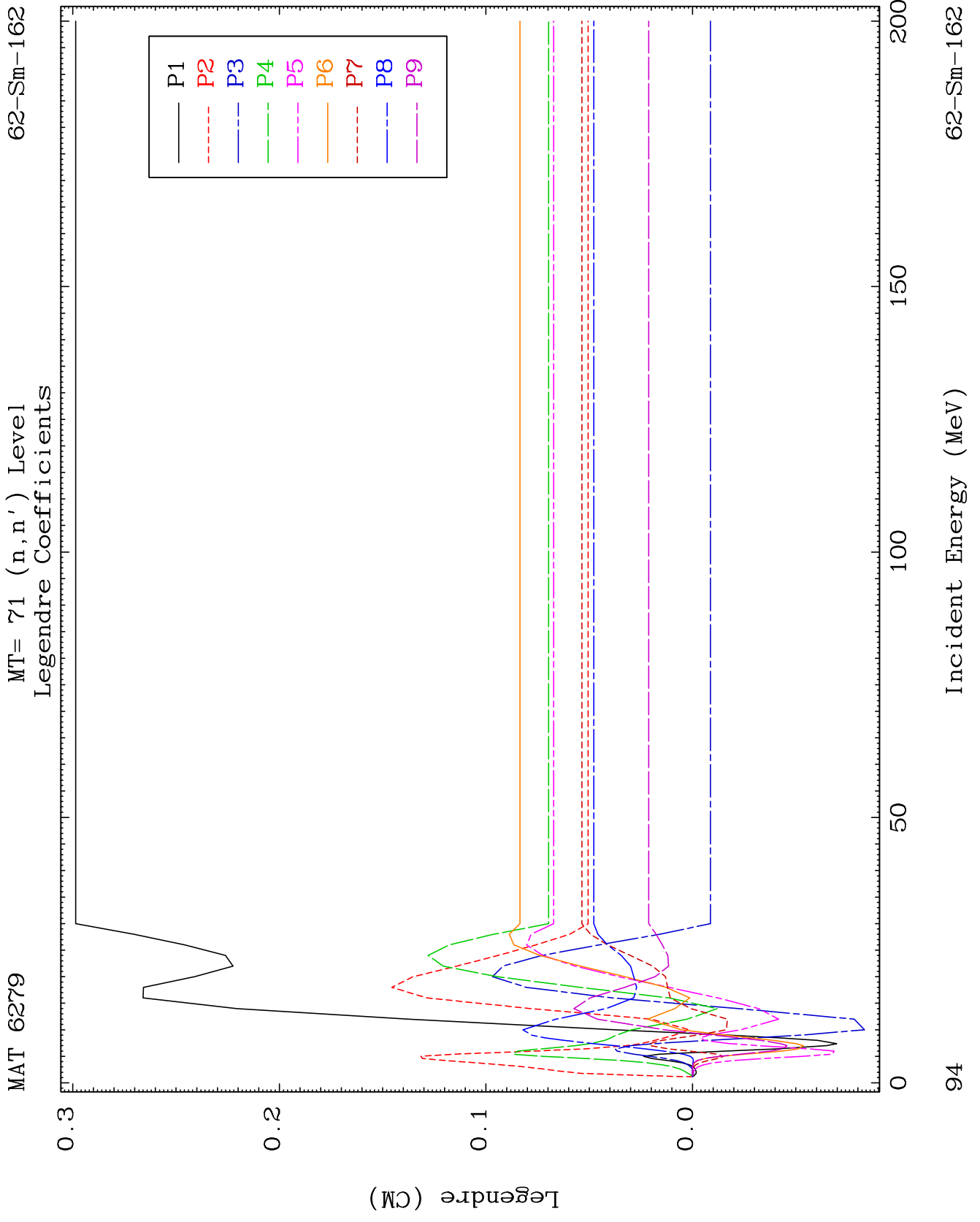


MAT 6279

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

62-Sm-162

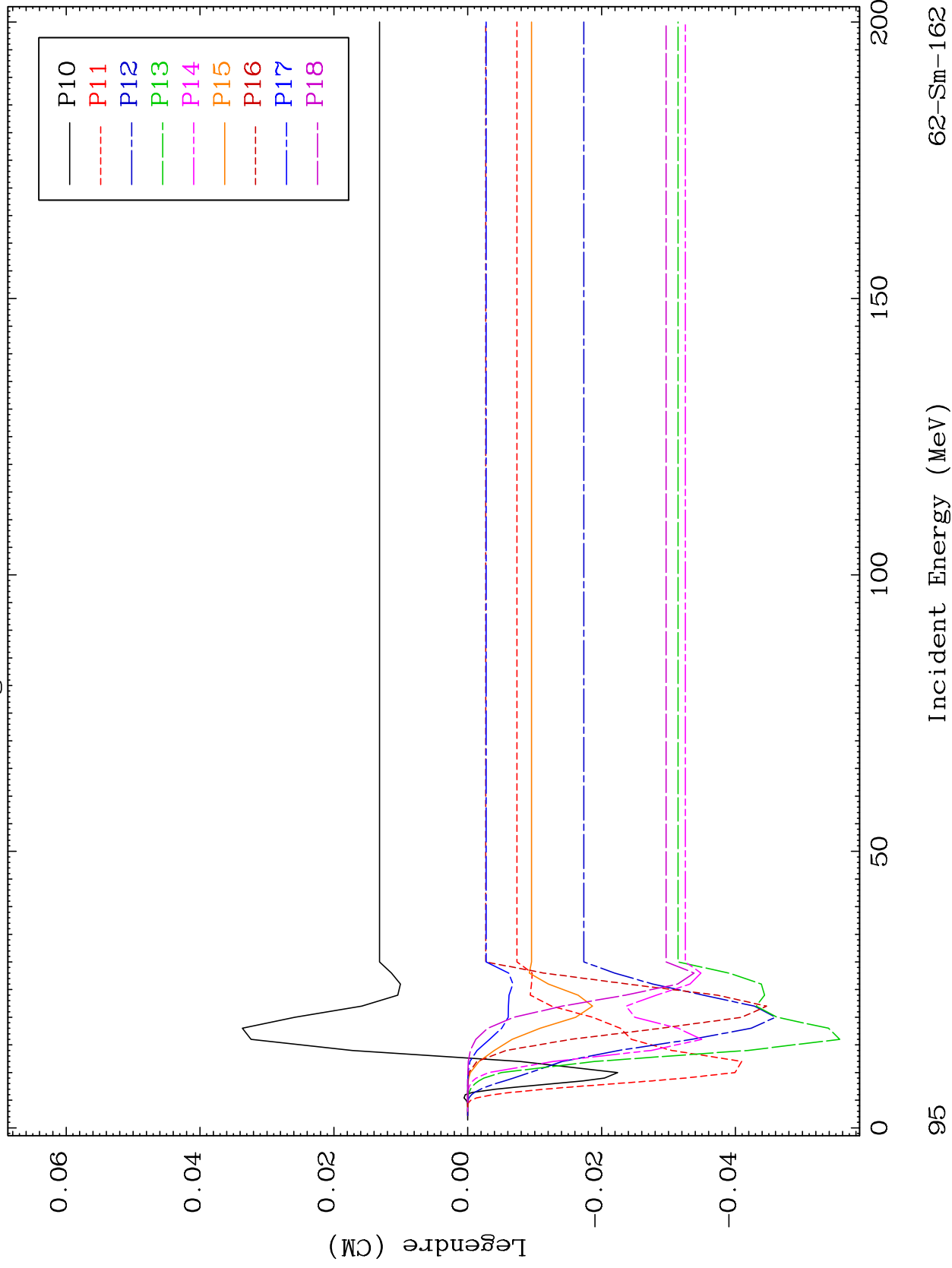




MAT 6279

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

62-Sm-162



62-Sm-162

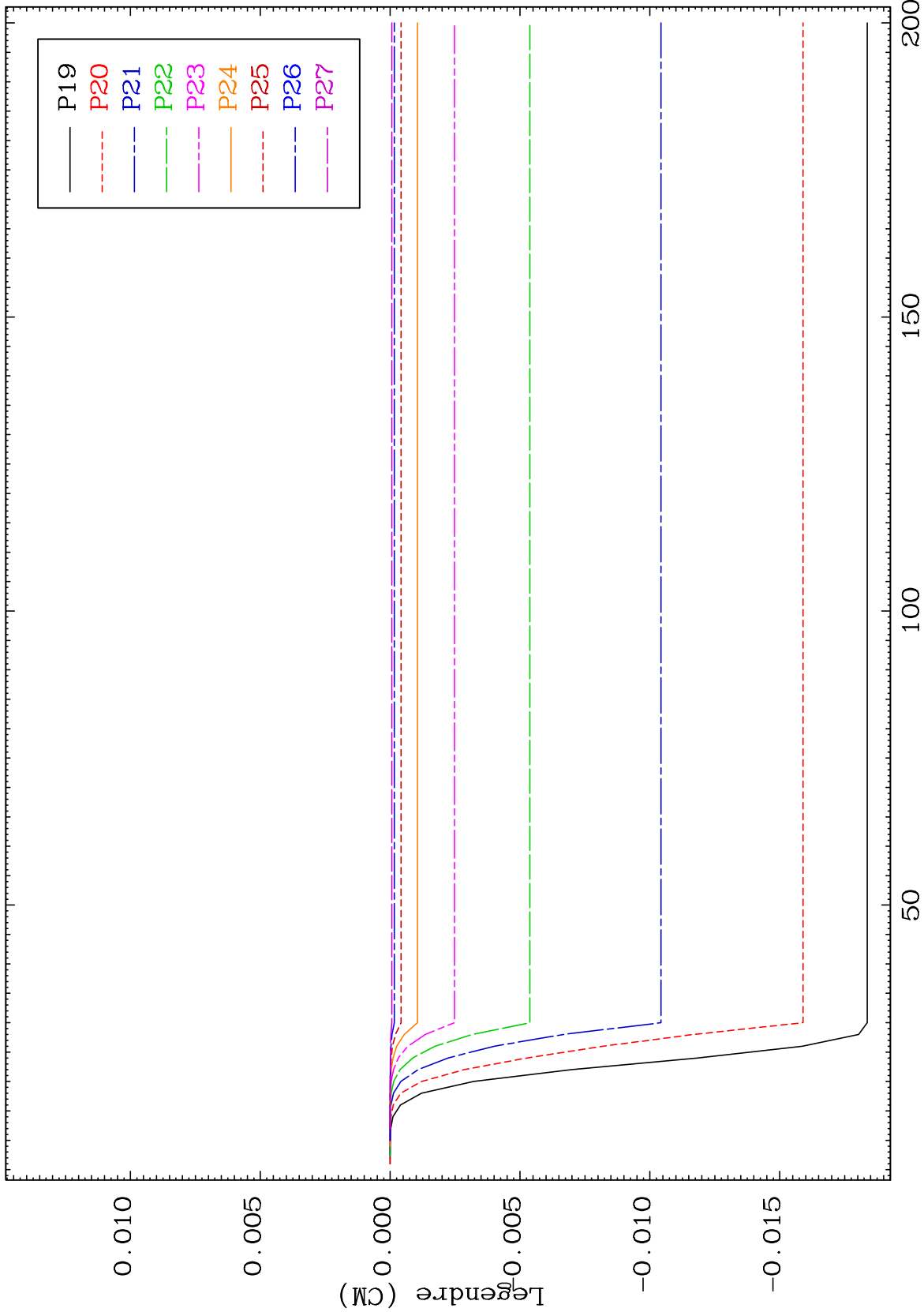
Incident Energy (MeV)

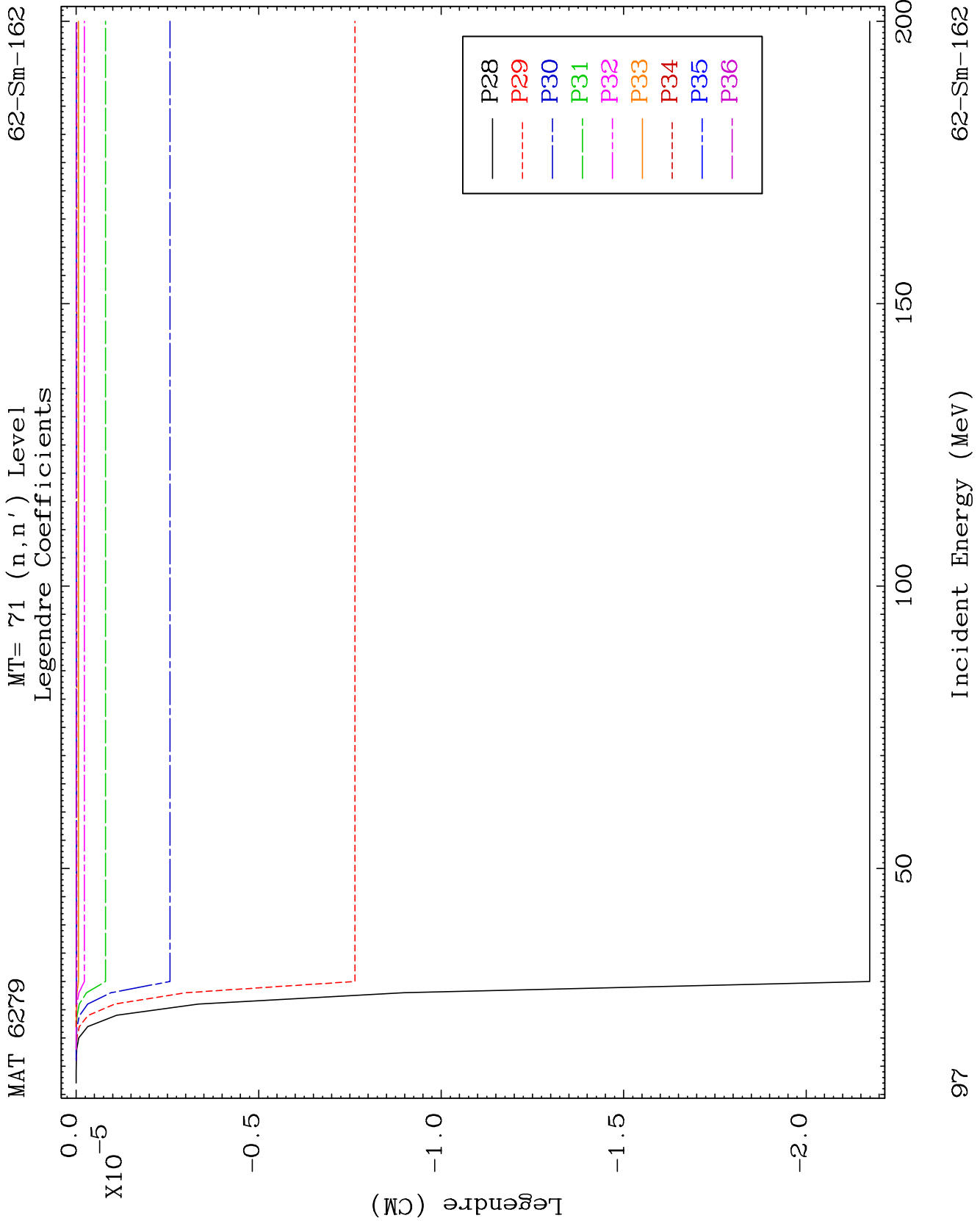
95

MAT 6279

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

62-Sm-162

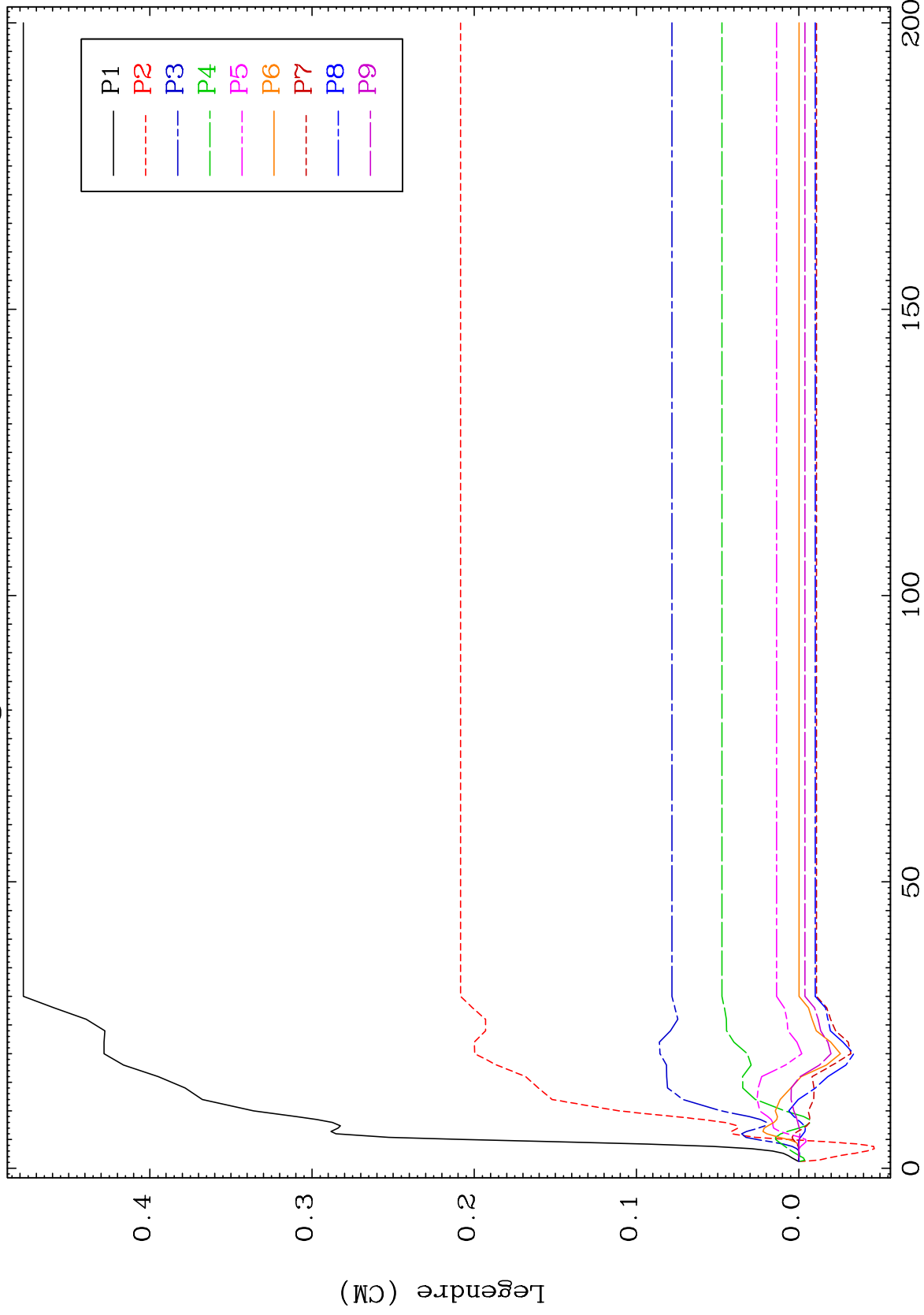




MAT 6279

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

62-Sm-162



98

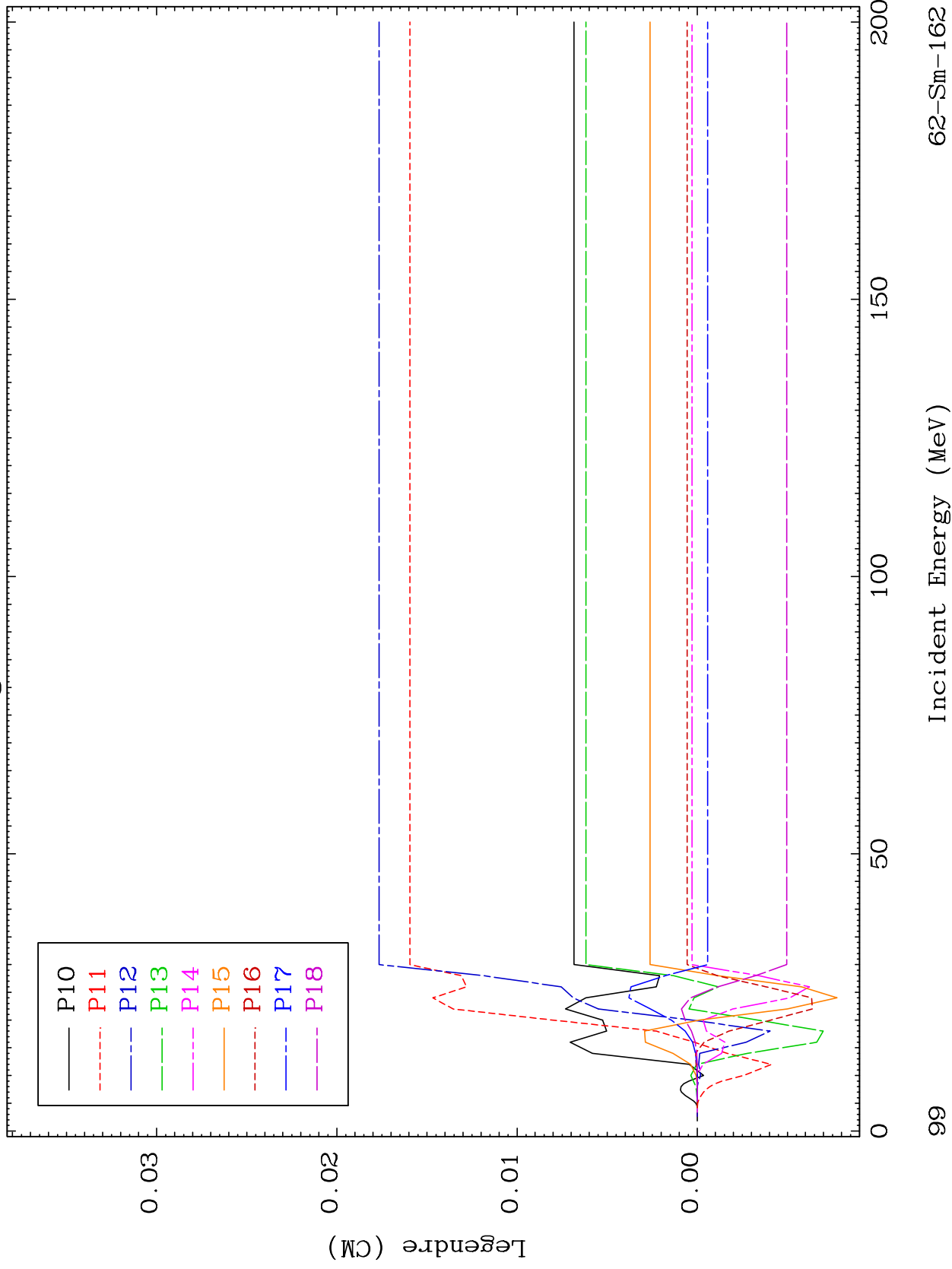
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



99

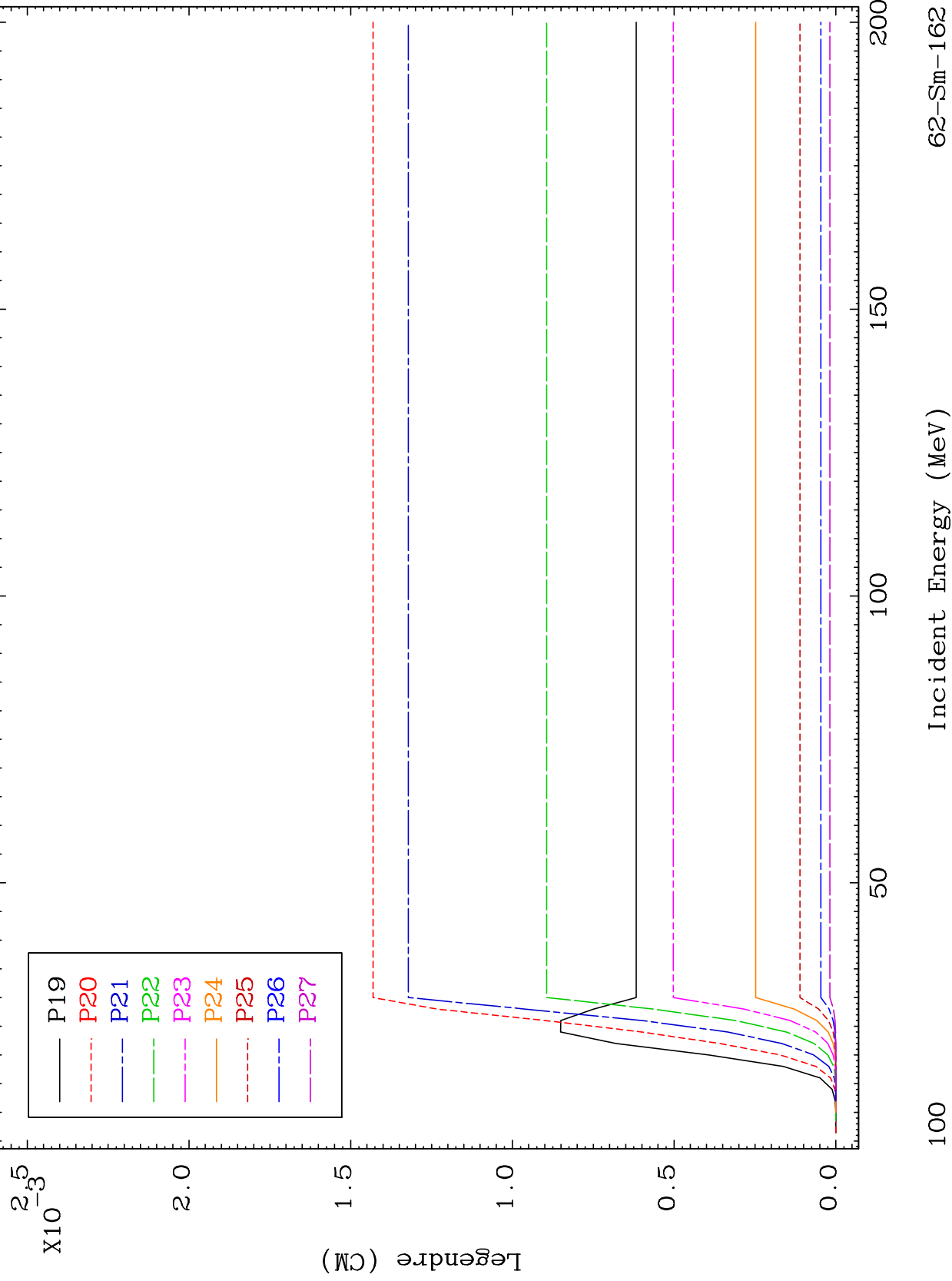
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

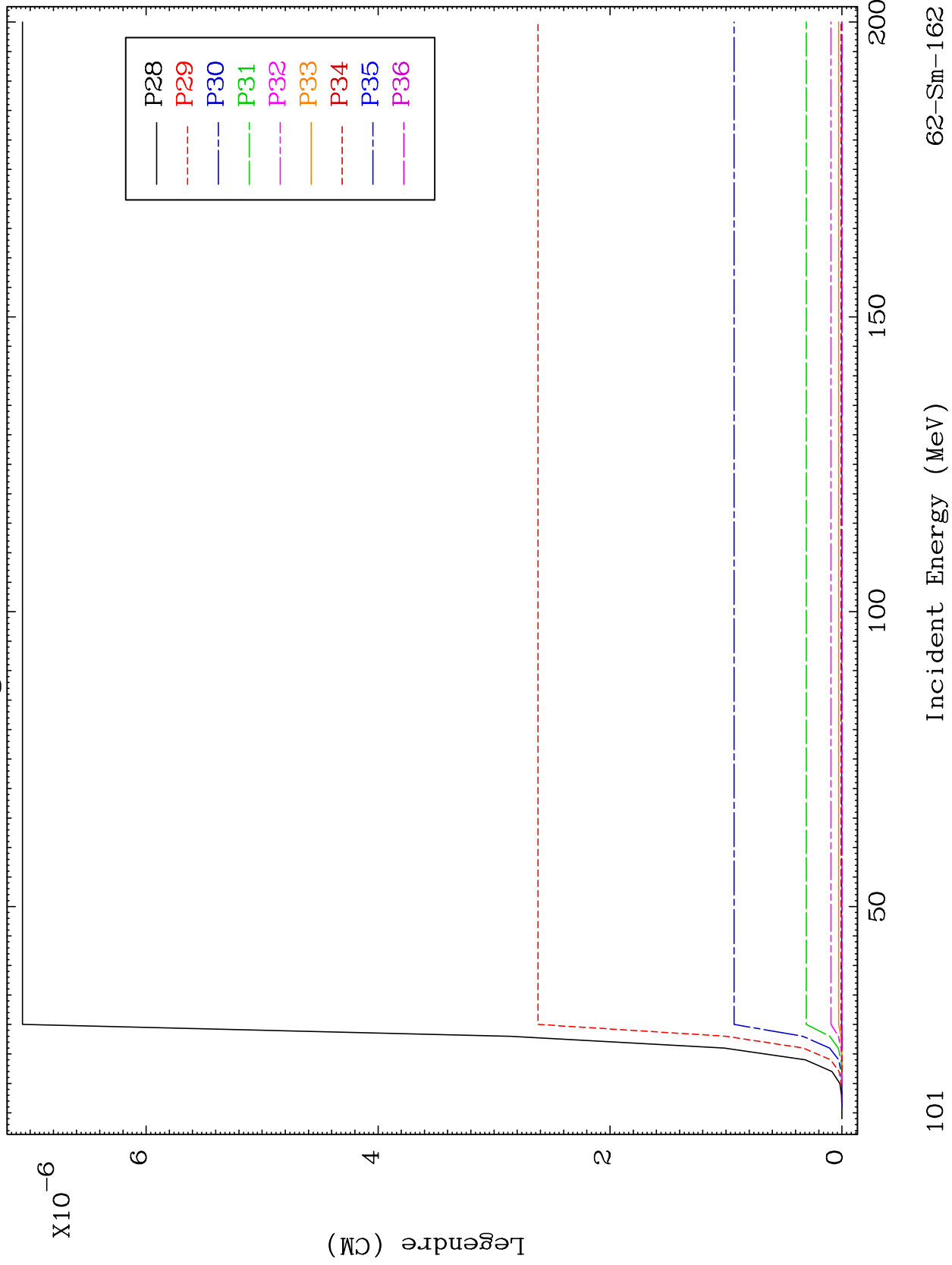
62-Sm-162



MAT 6279

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

62-Sm-162



101

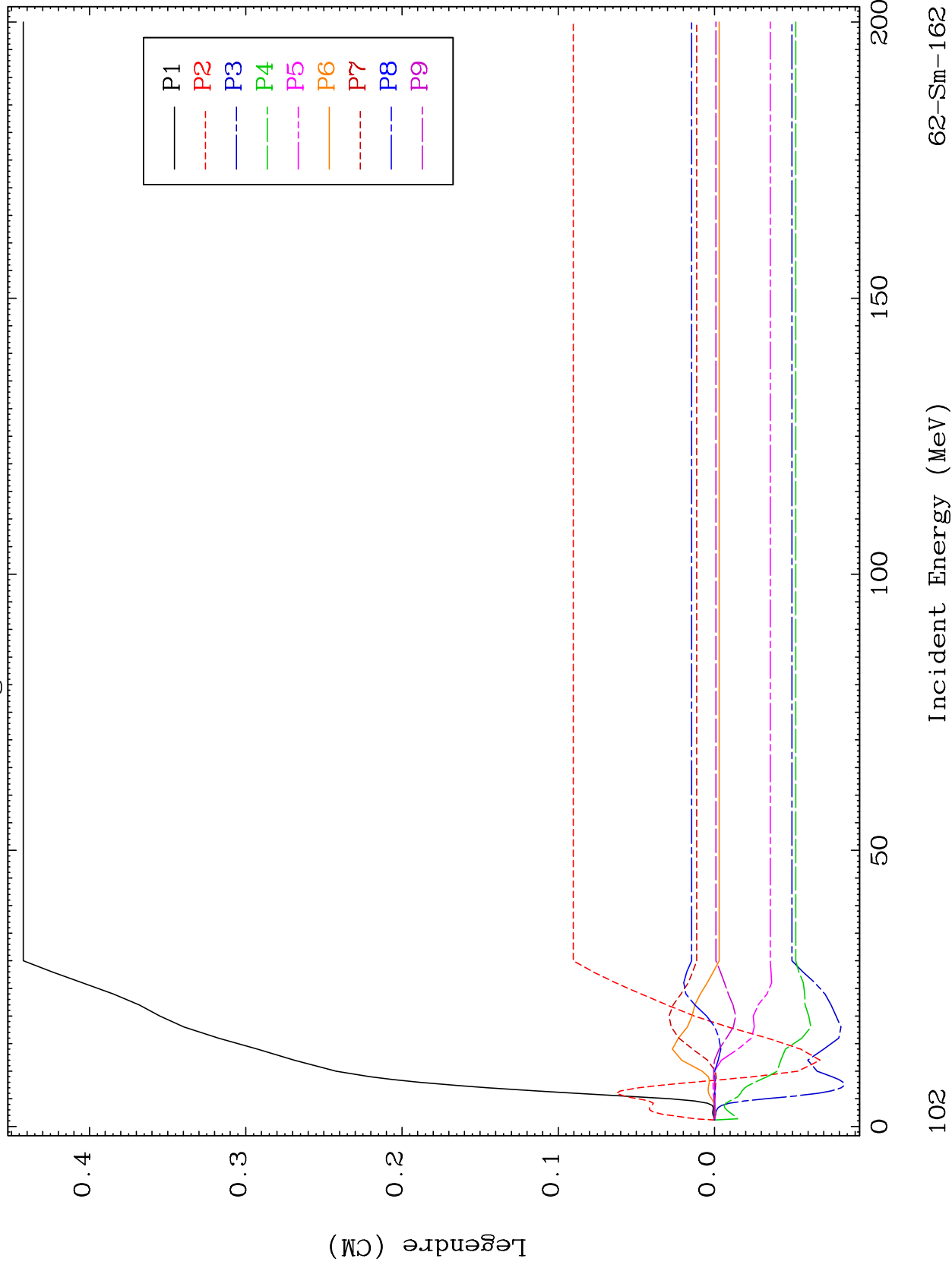
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

62-Sm-162



62-Sm-162

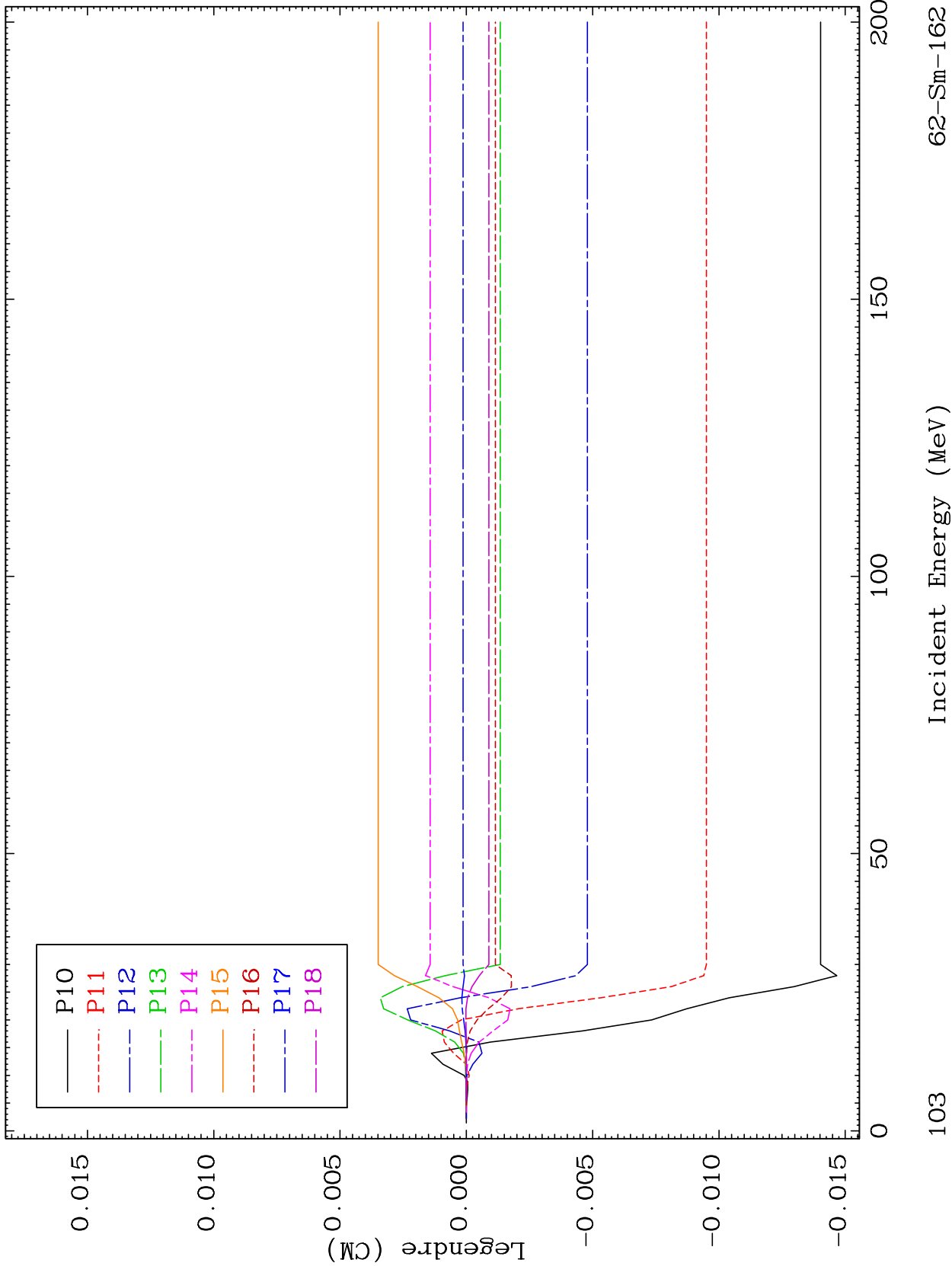
Incident Energy (MeV)

102

MAT 6279

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

62-Sm-162



103

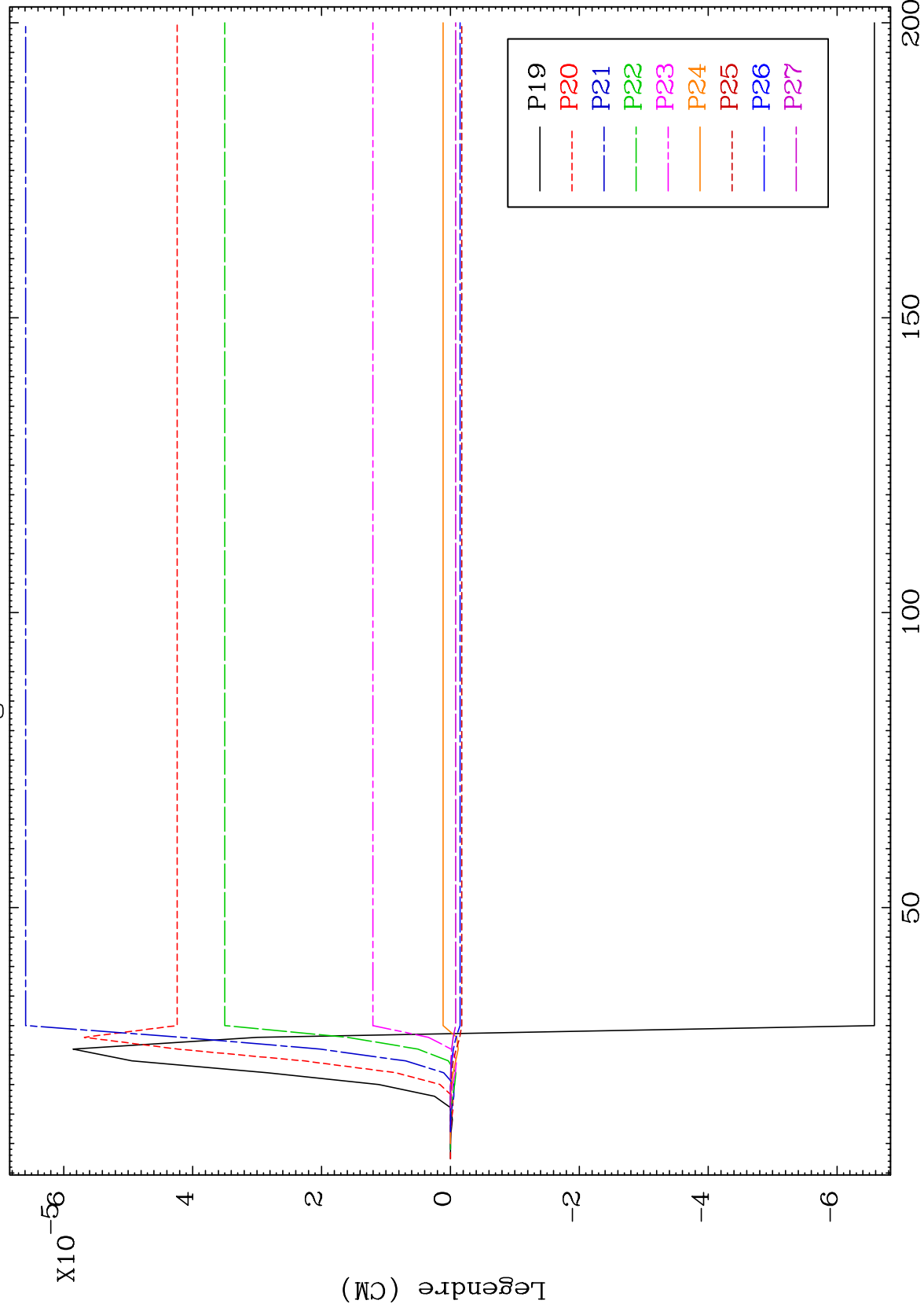
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

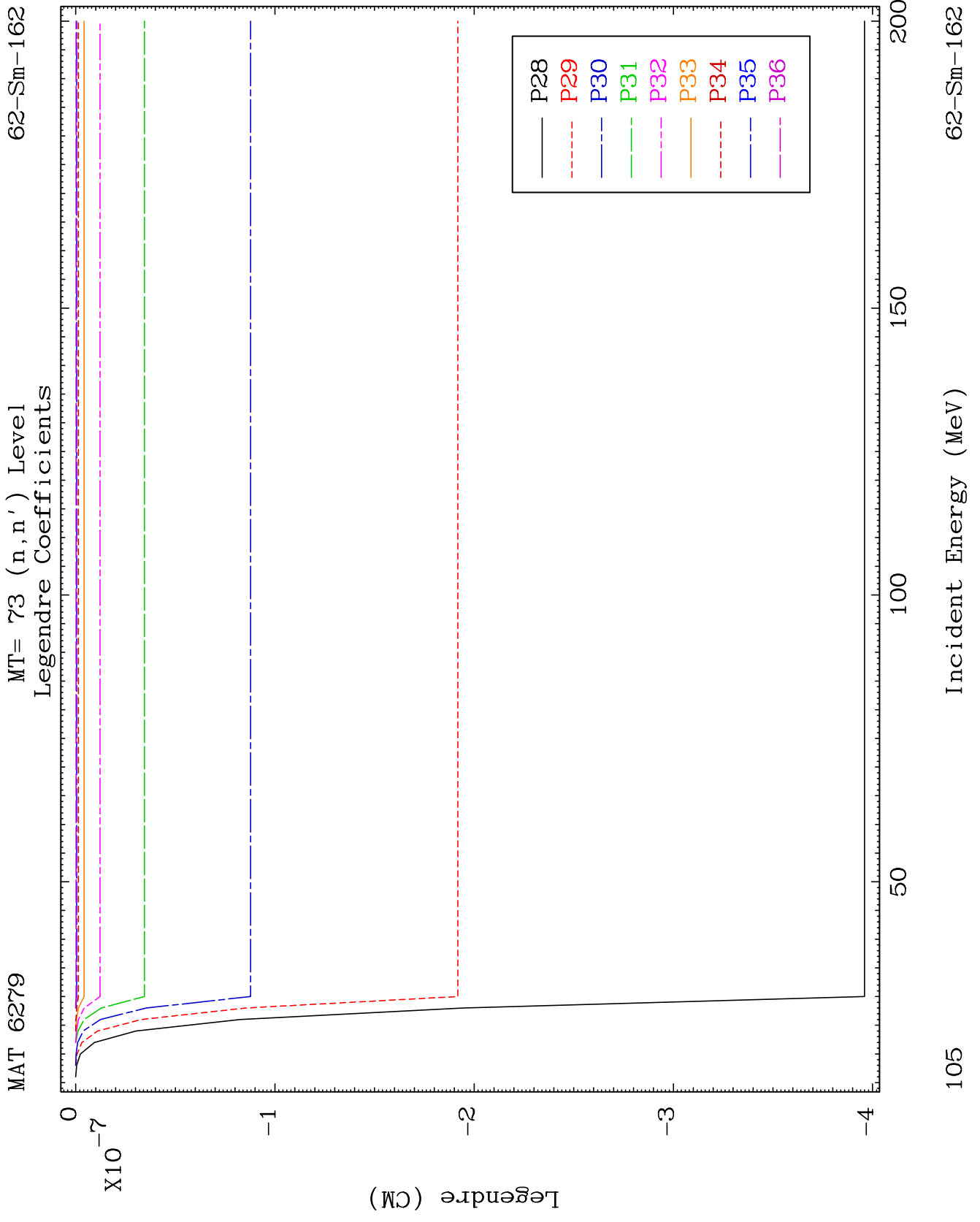
62-Sm-162



104

Incident Energy (MeV)

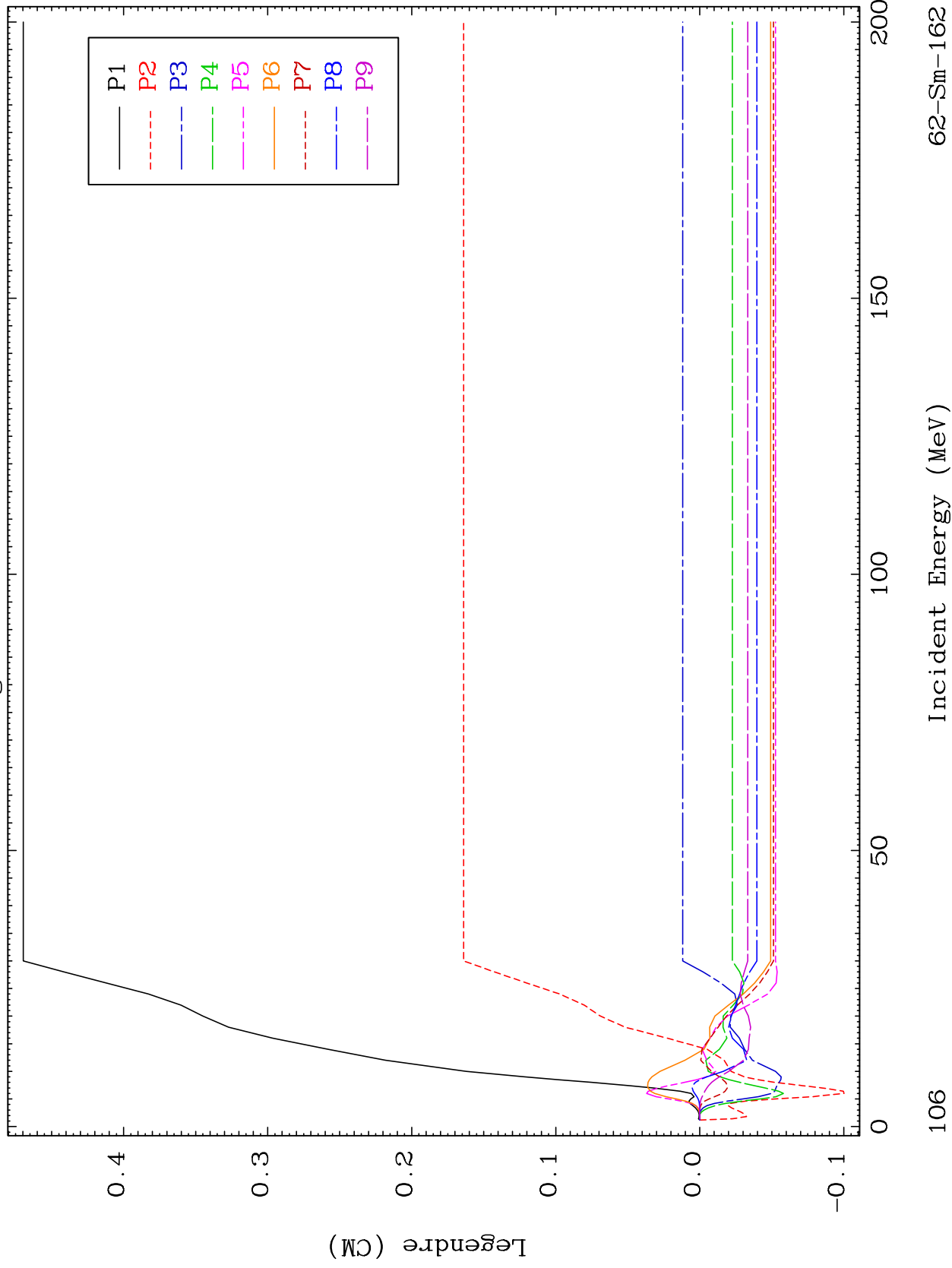
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

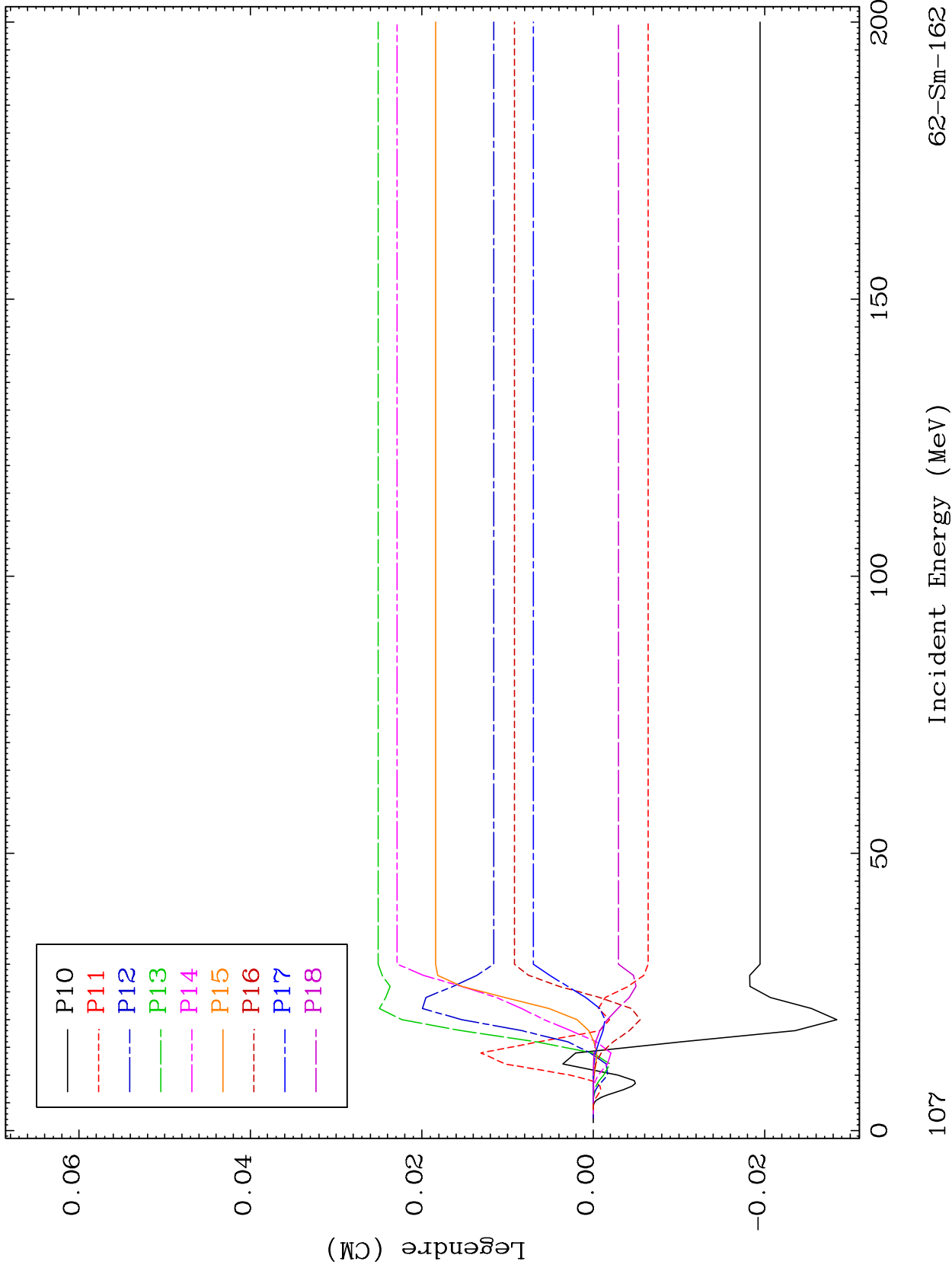
Incident Energy (MeV)

106

MAT 6279

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

62-Sm-162



107

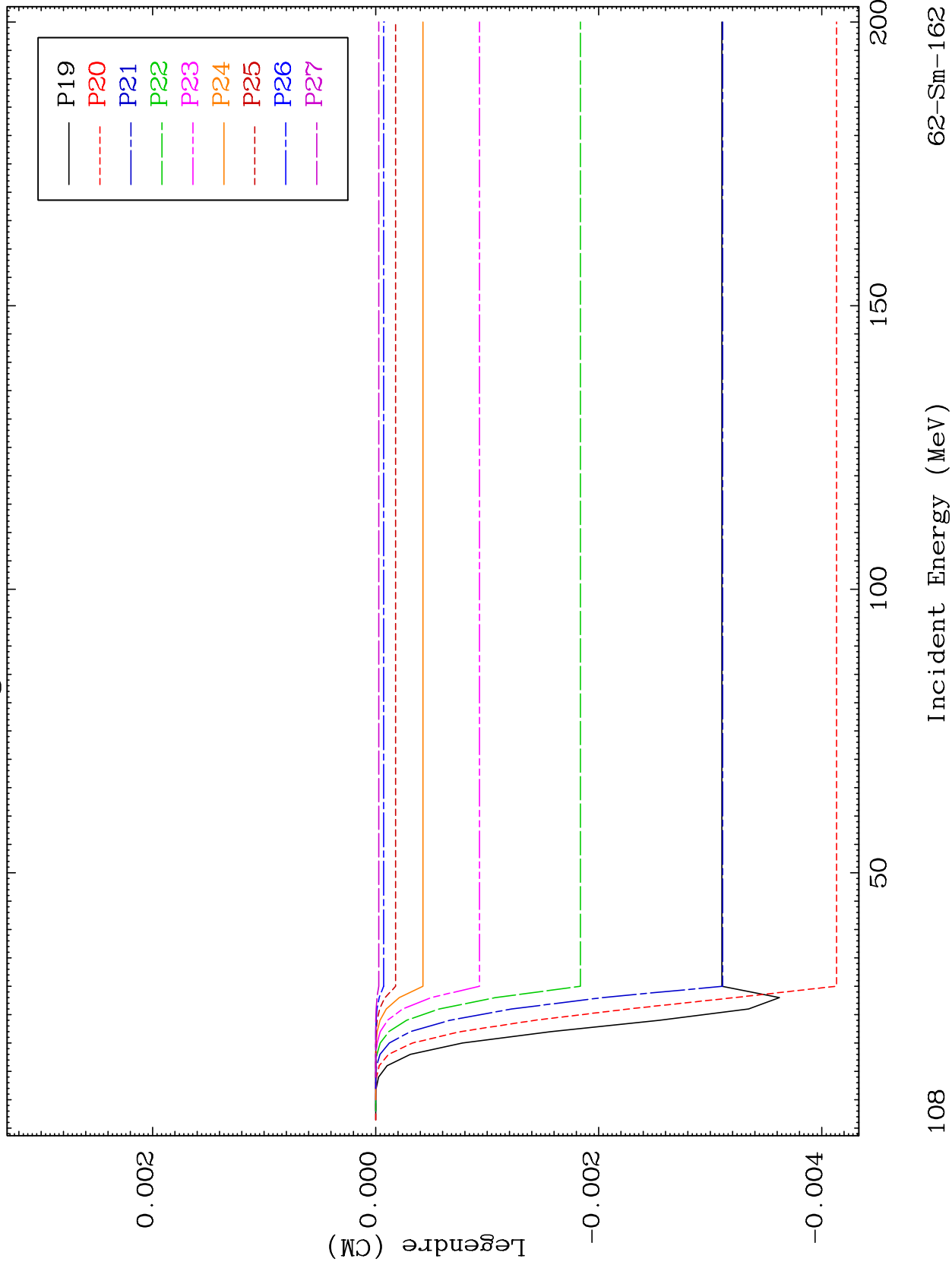
Incident Energy (MeV)

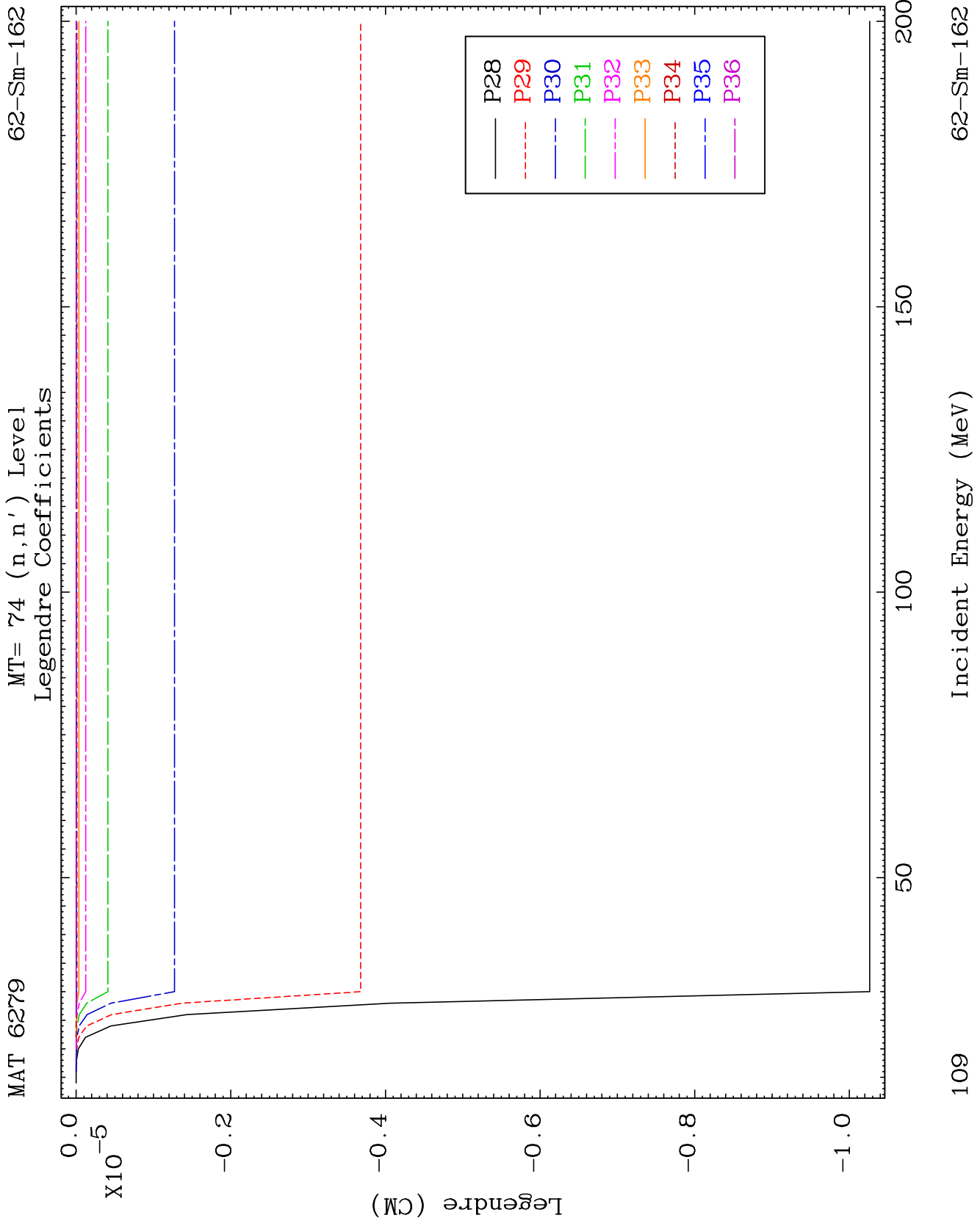
62-Sm-162

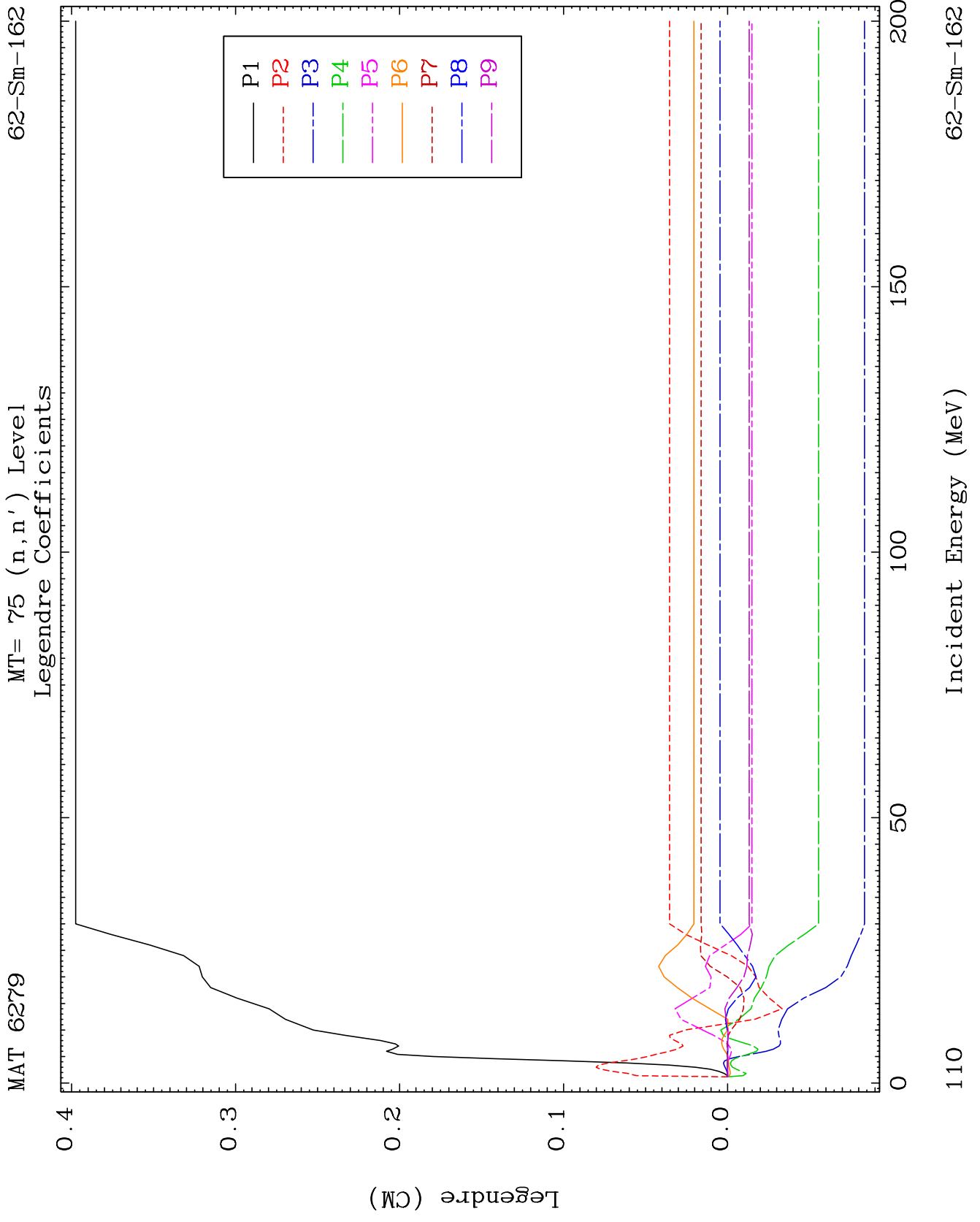
MAT 6279

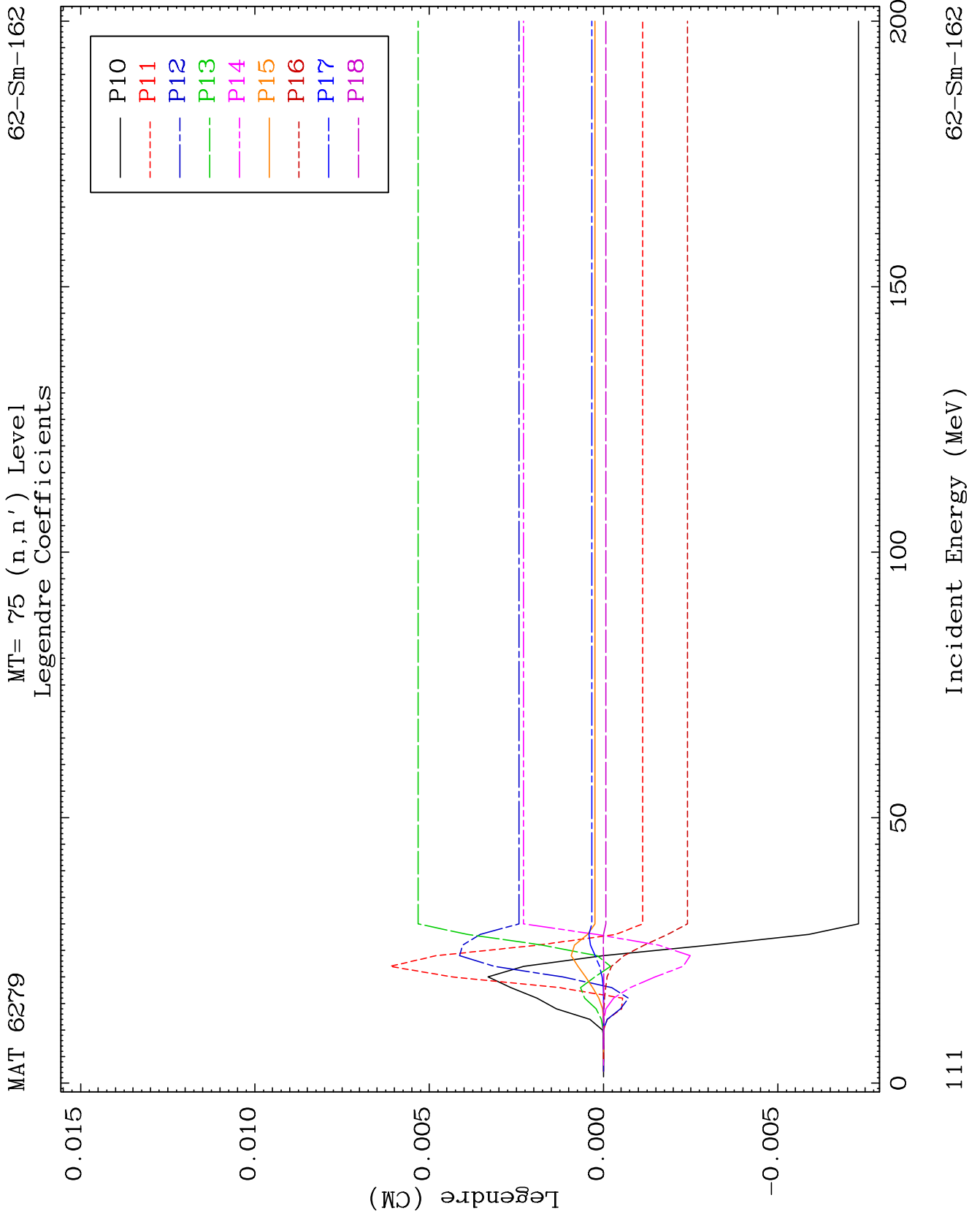
MT= 74 (n,n') Level  
Legendre Coefficients

62-Sm-162





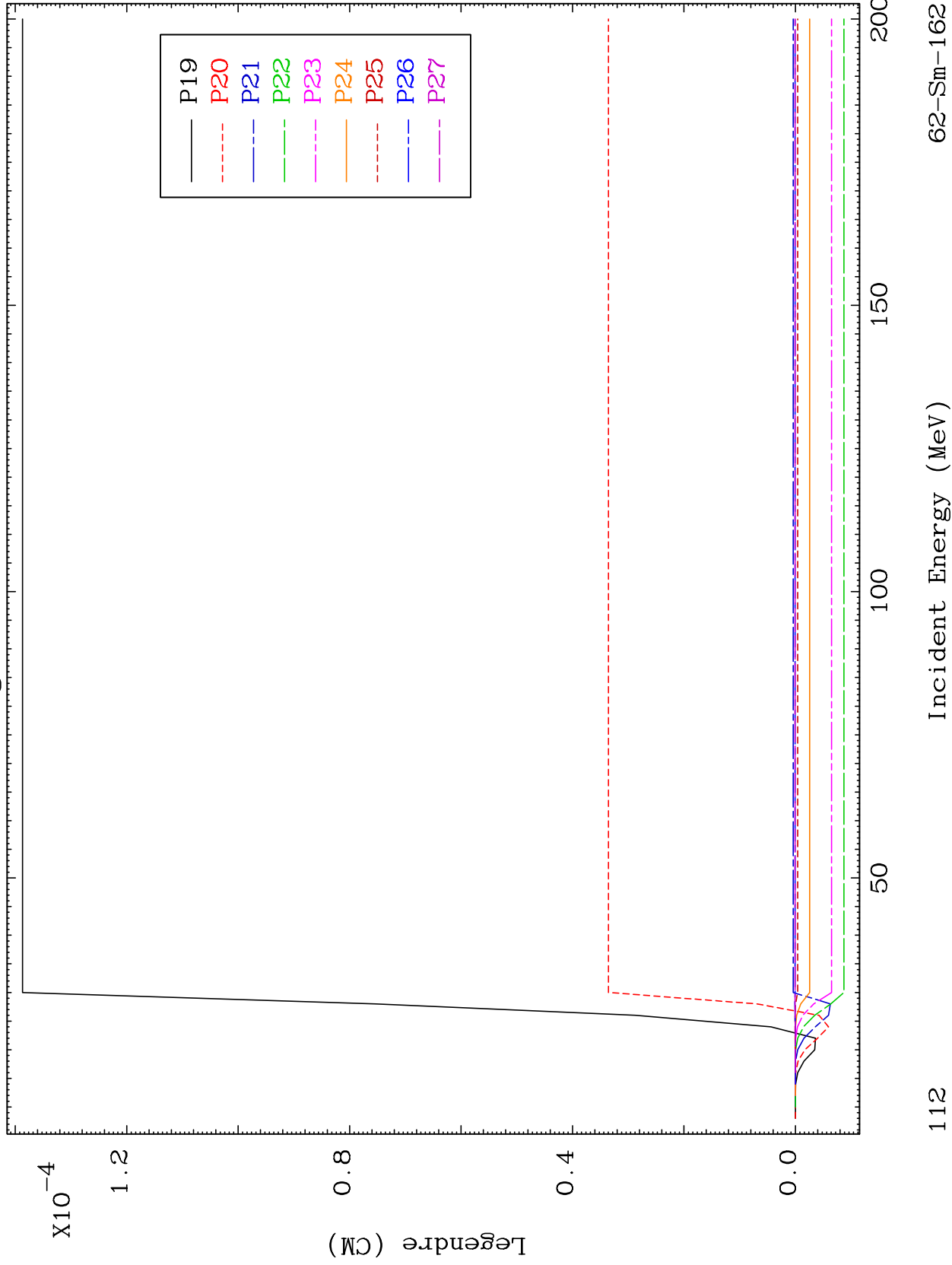




MAT 6279

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

62-Sm-162



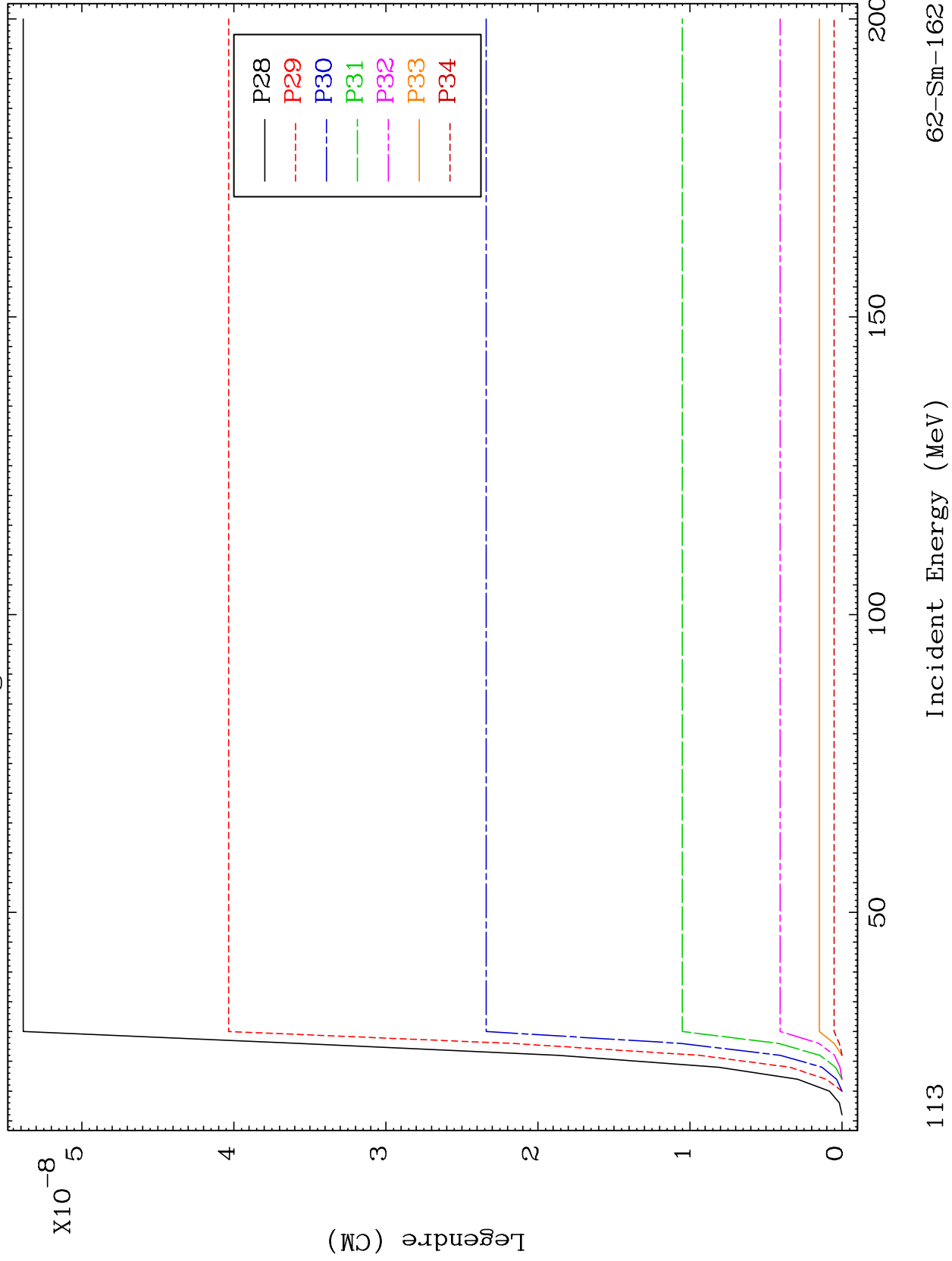
112

62-Sm-162

MAT 6279

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

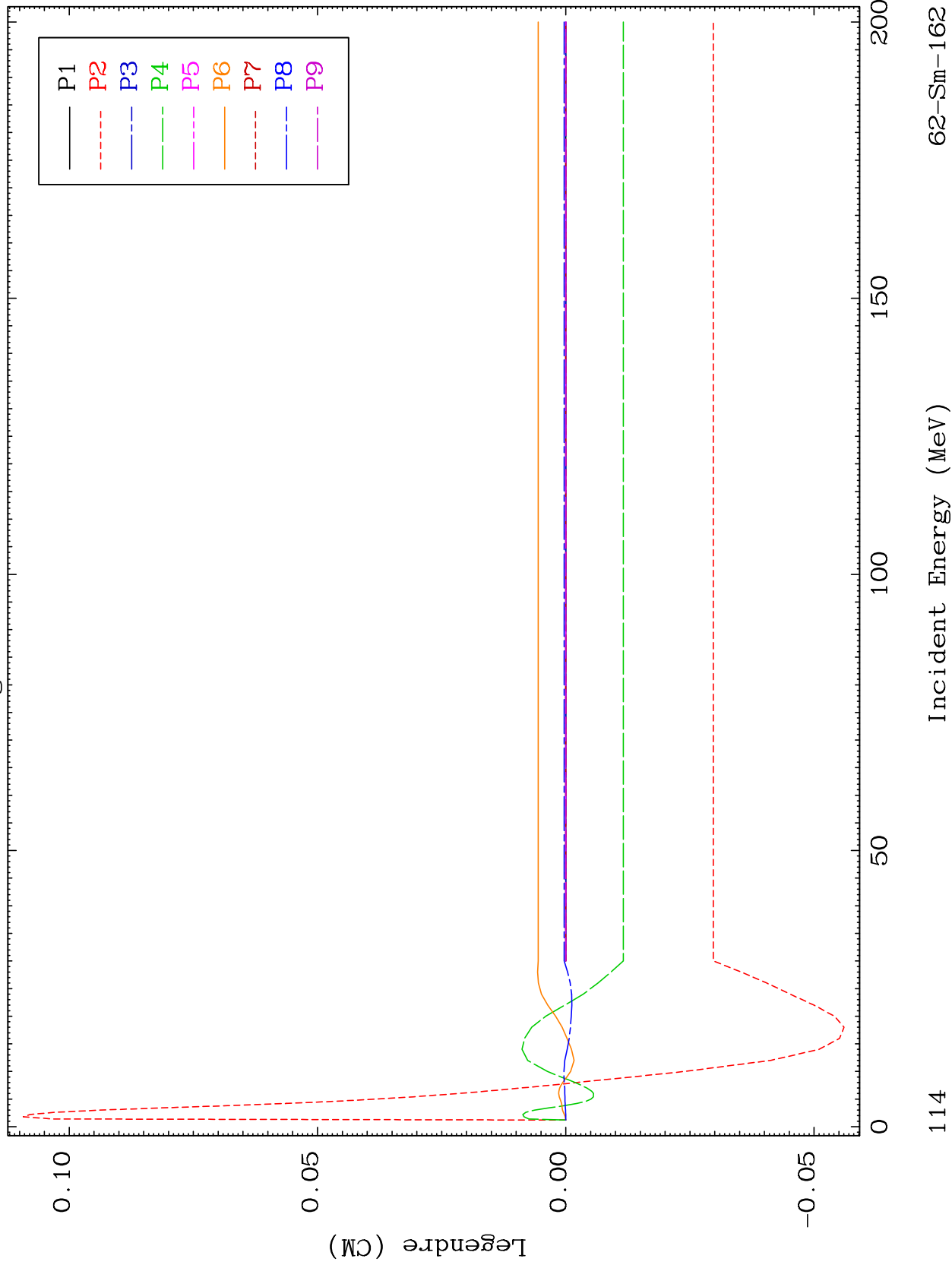
62-Sm-162



MAT 6279

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

62-Sm-162



62-Sm-162

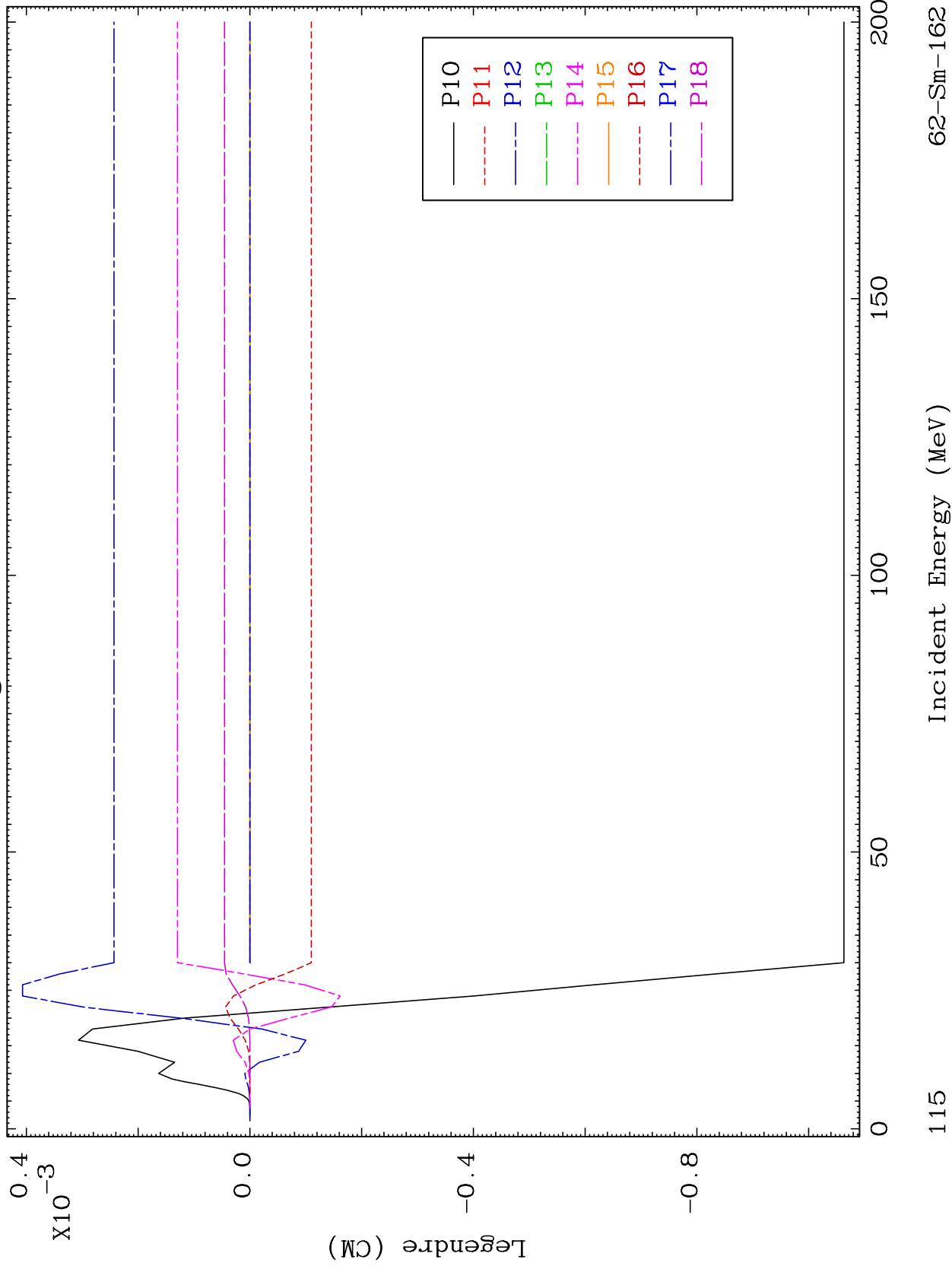
Incident Energy (MeV)

114

MAT 6279

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

62-Sm-162



62-Sm-162

Incident Energy (MeV)

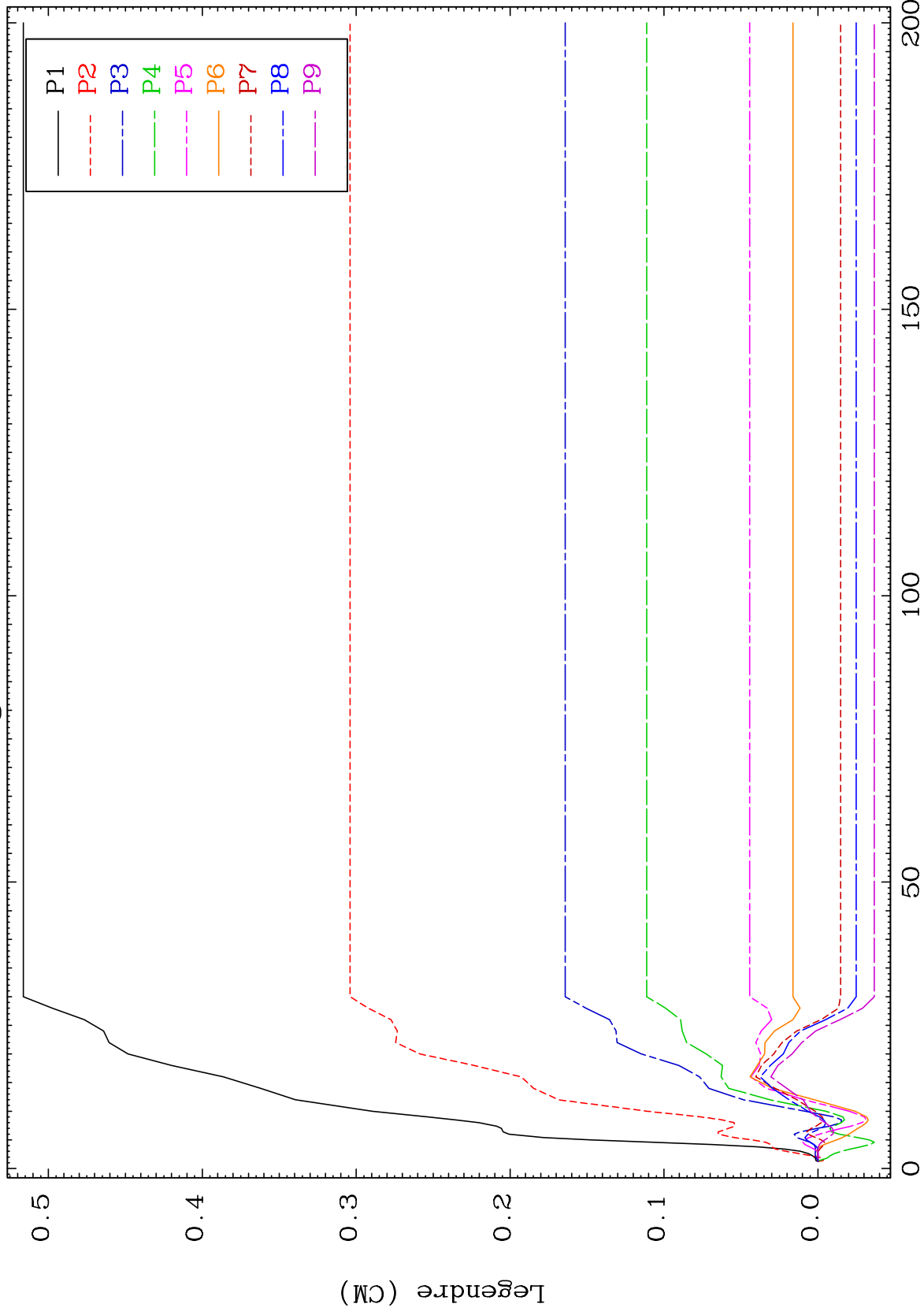
115



MAT 6279

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

62-Sm-162



117

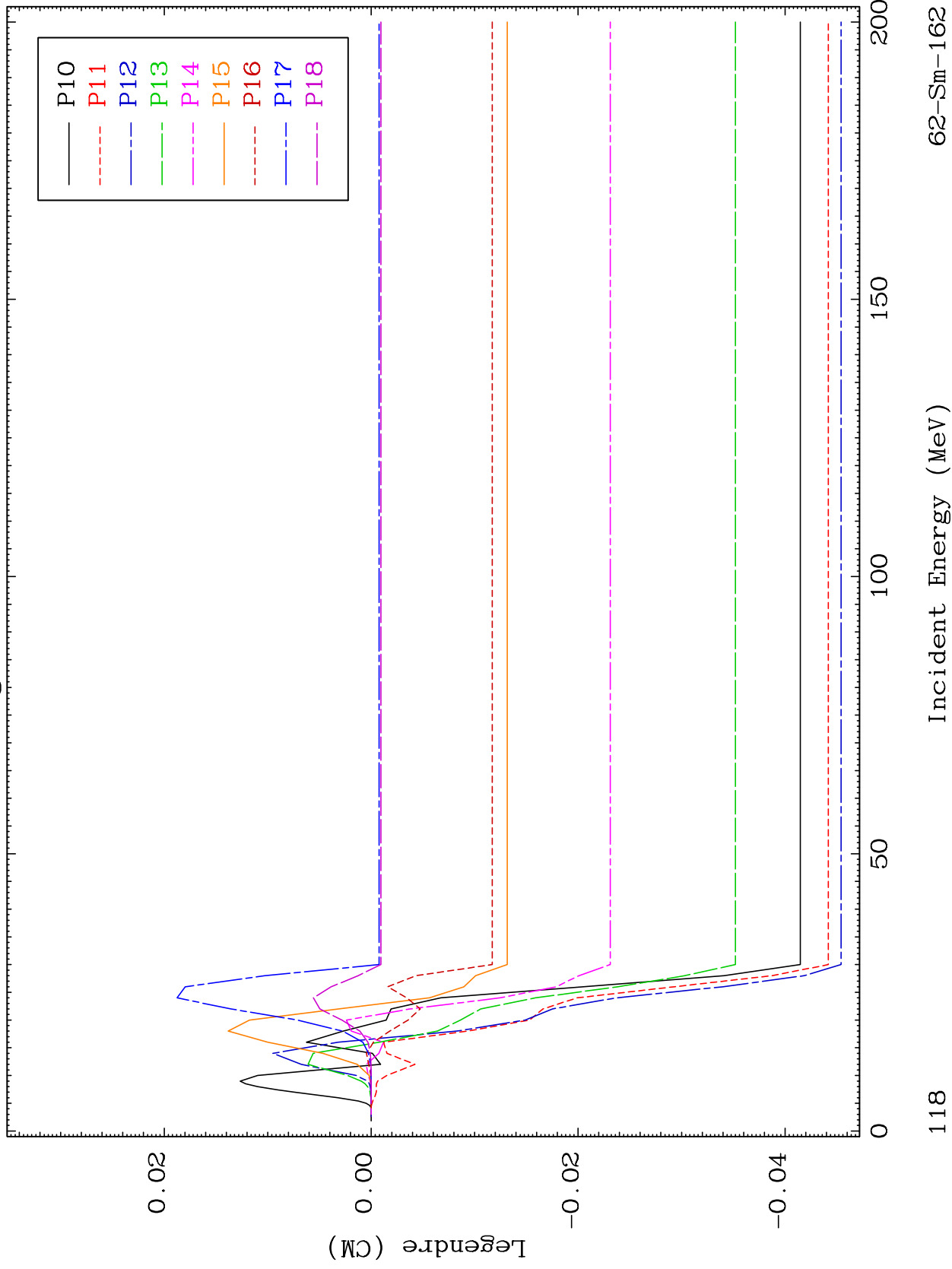
Incident Energy (MeV)

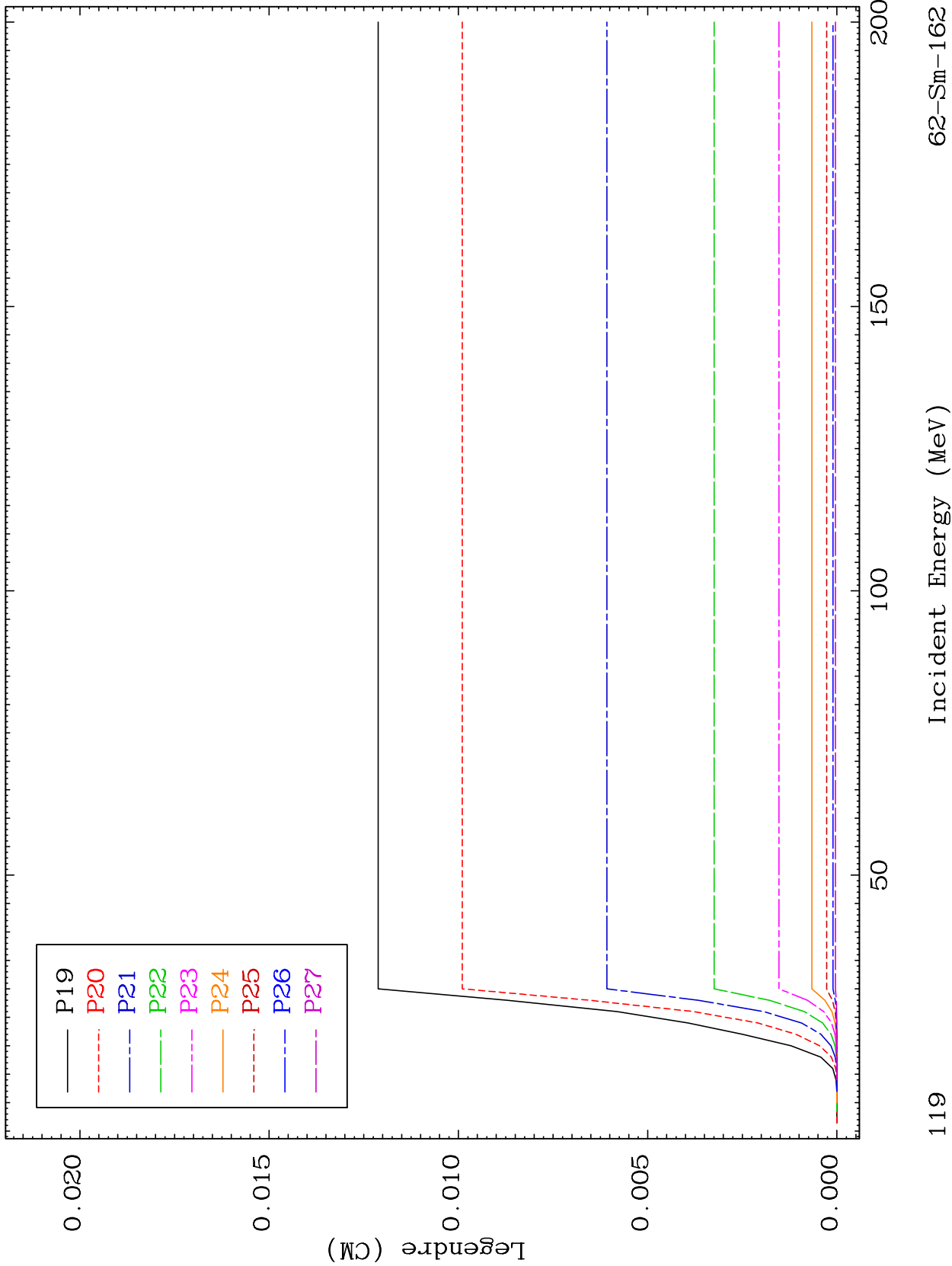
62-Sm-162

MAT 6279

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

62-Sm-162

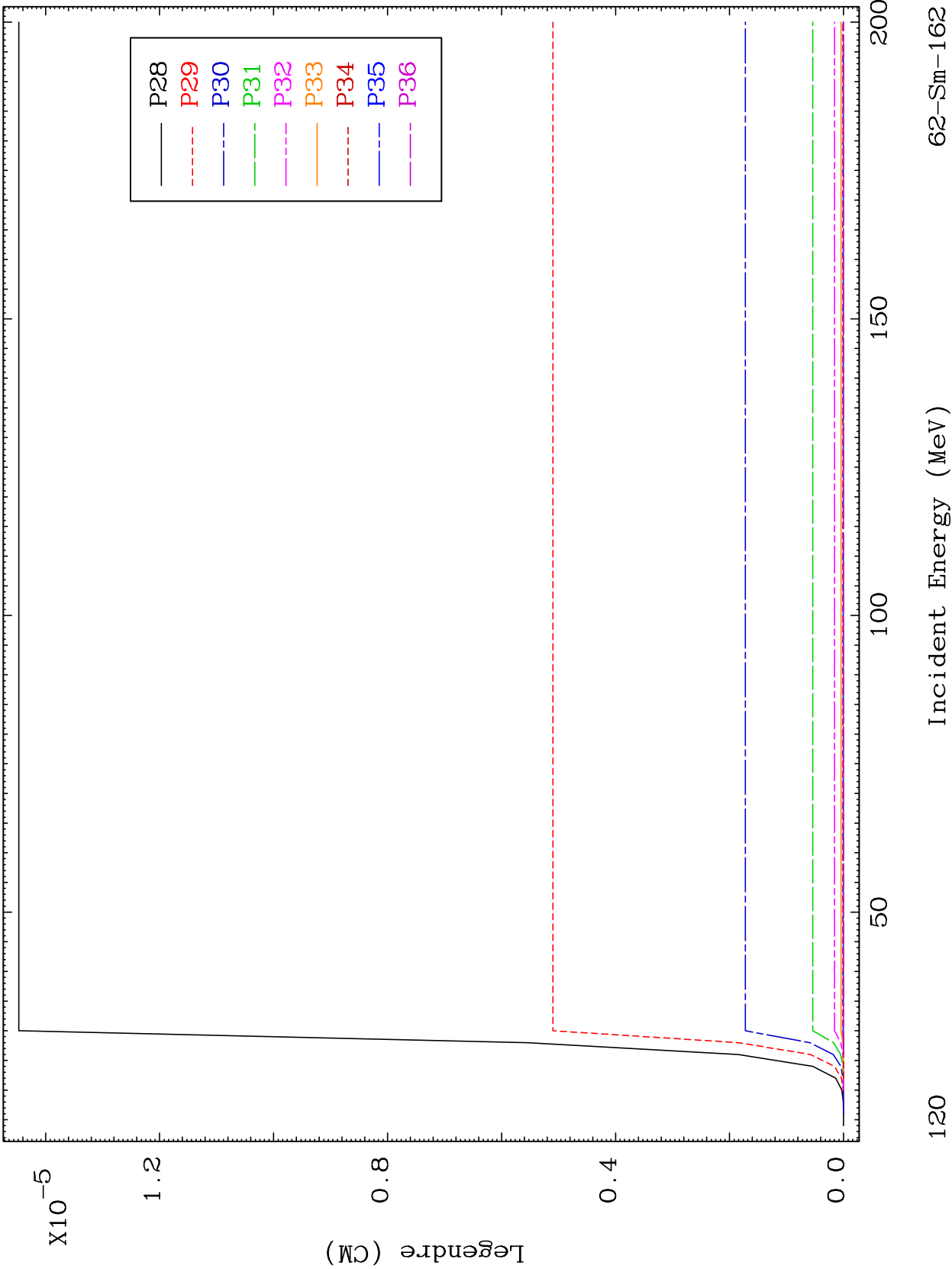


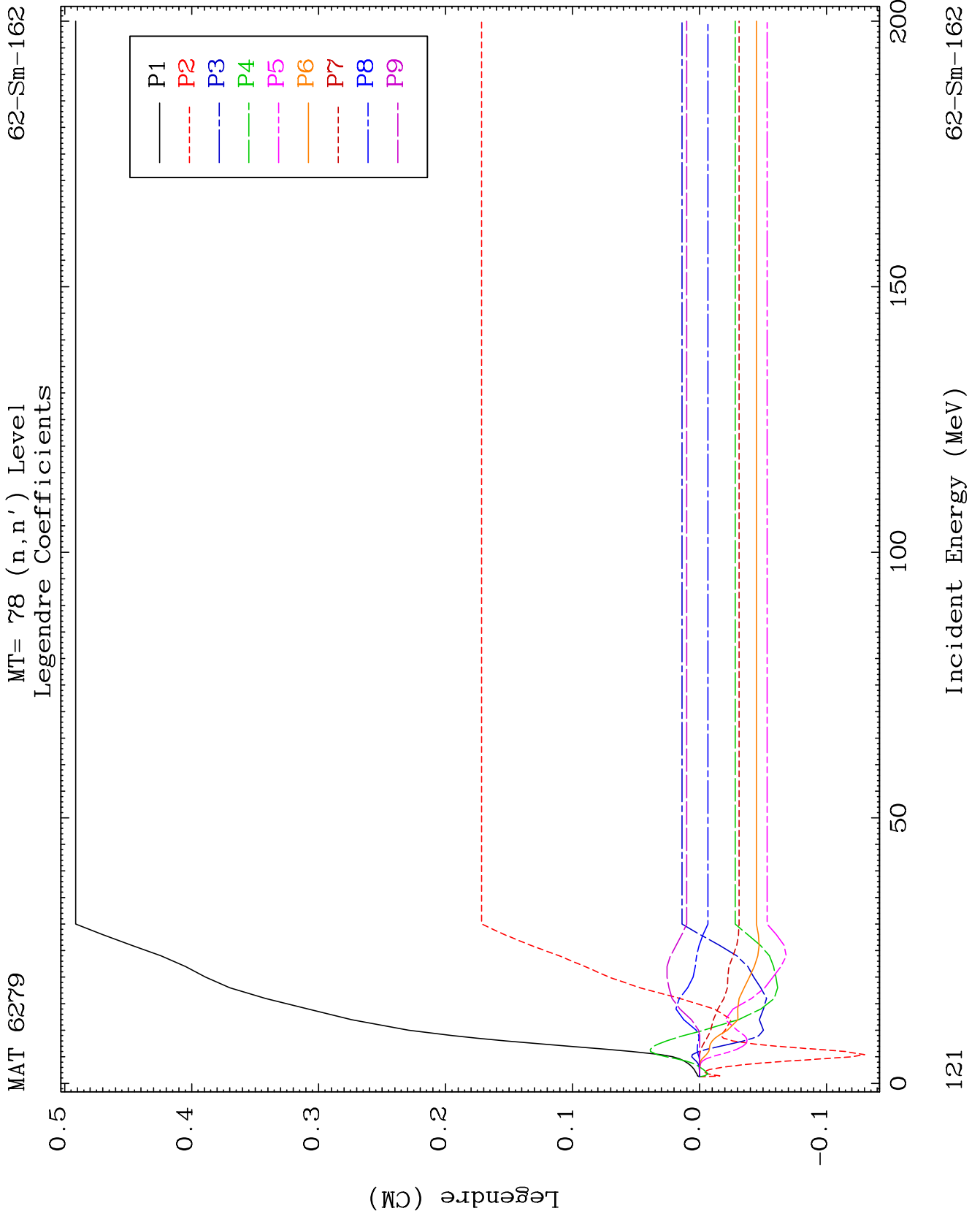


MAT 6279

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

62-Sm-162

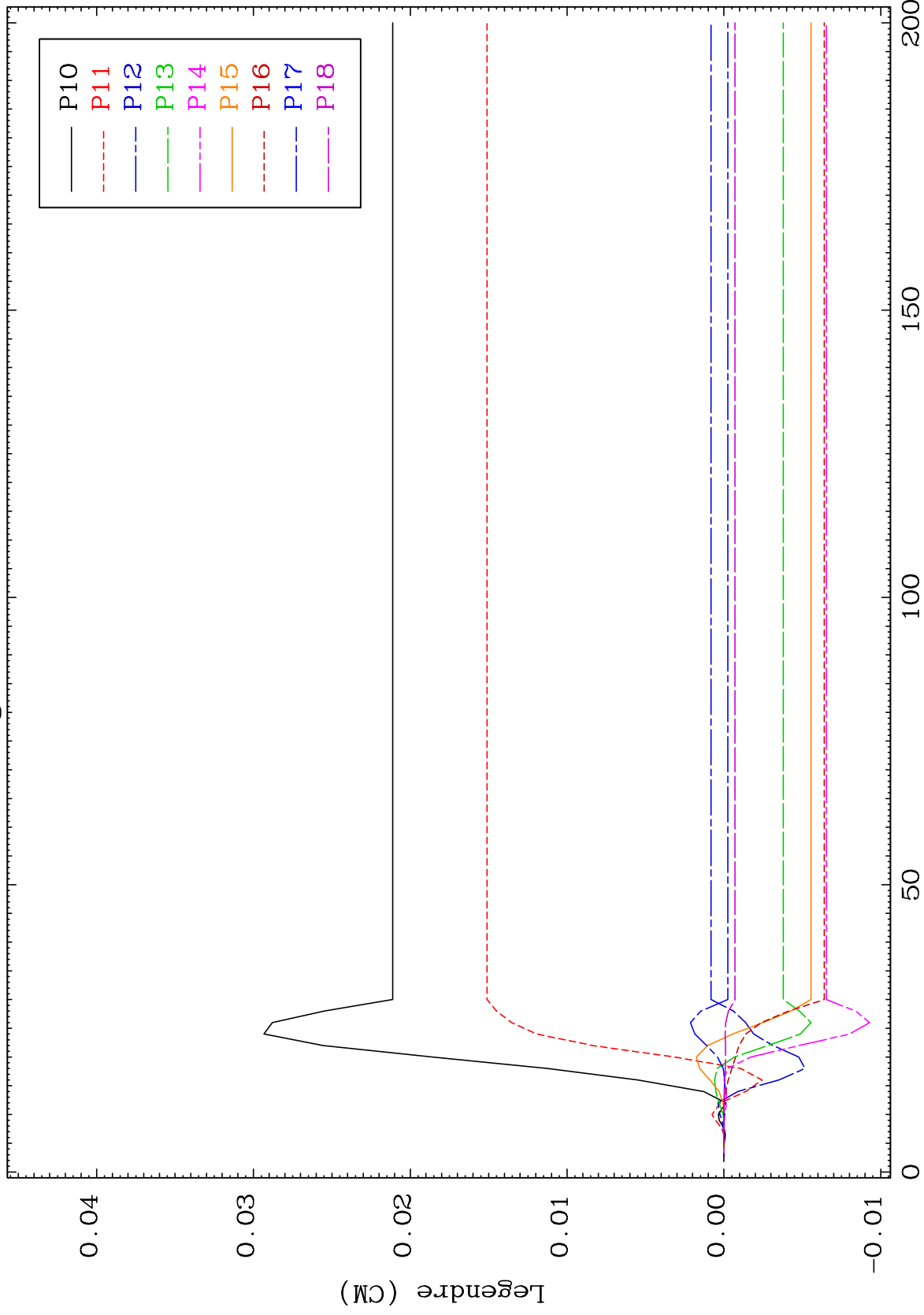




MAT 6279

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

62-Sm-162



122

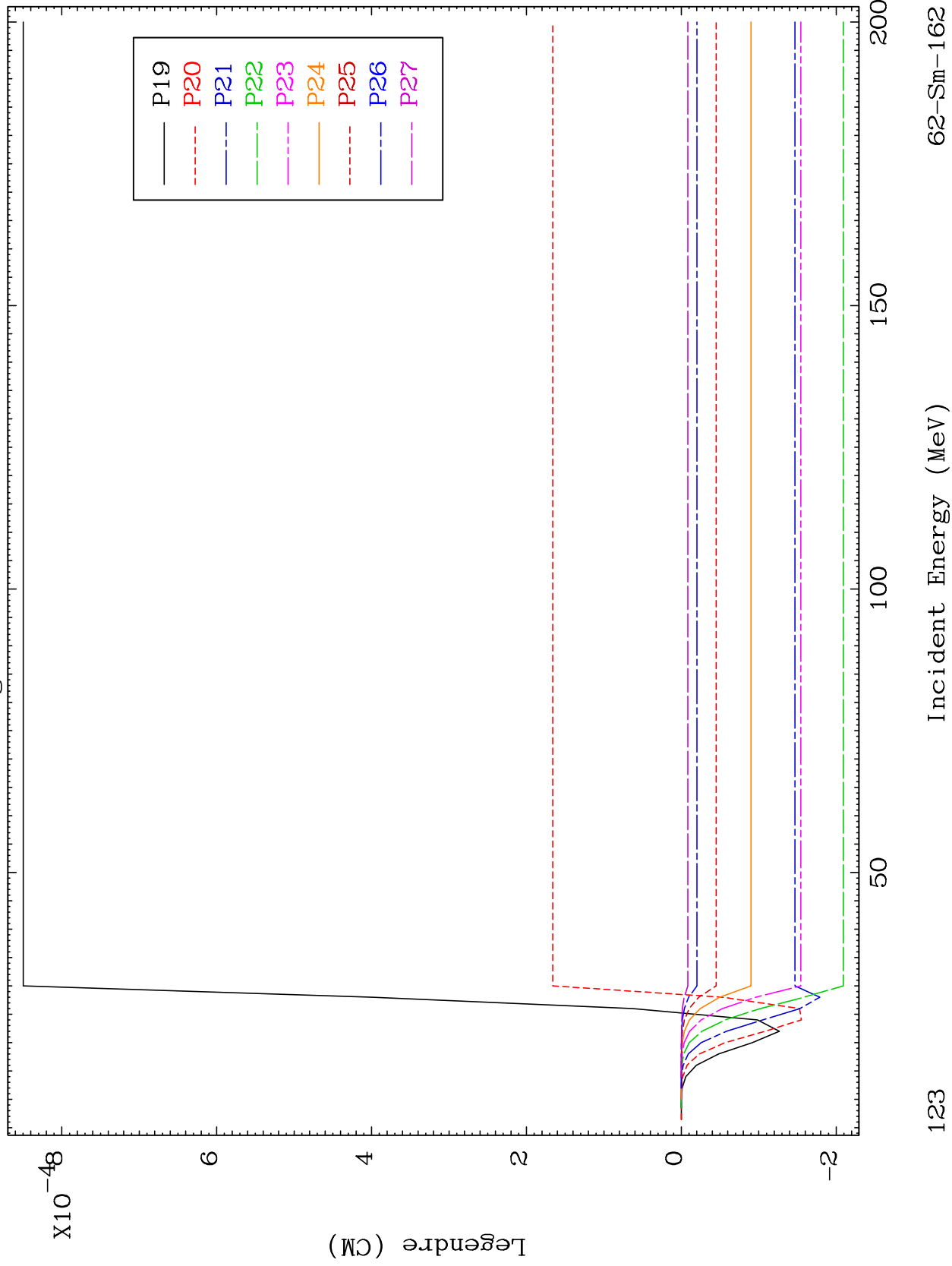
Incident Energy (MeV)

62-Sm-162

MAT 6279

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

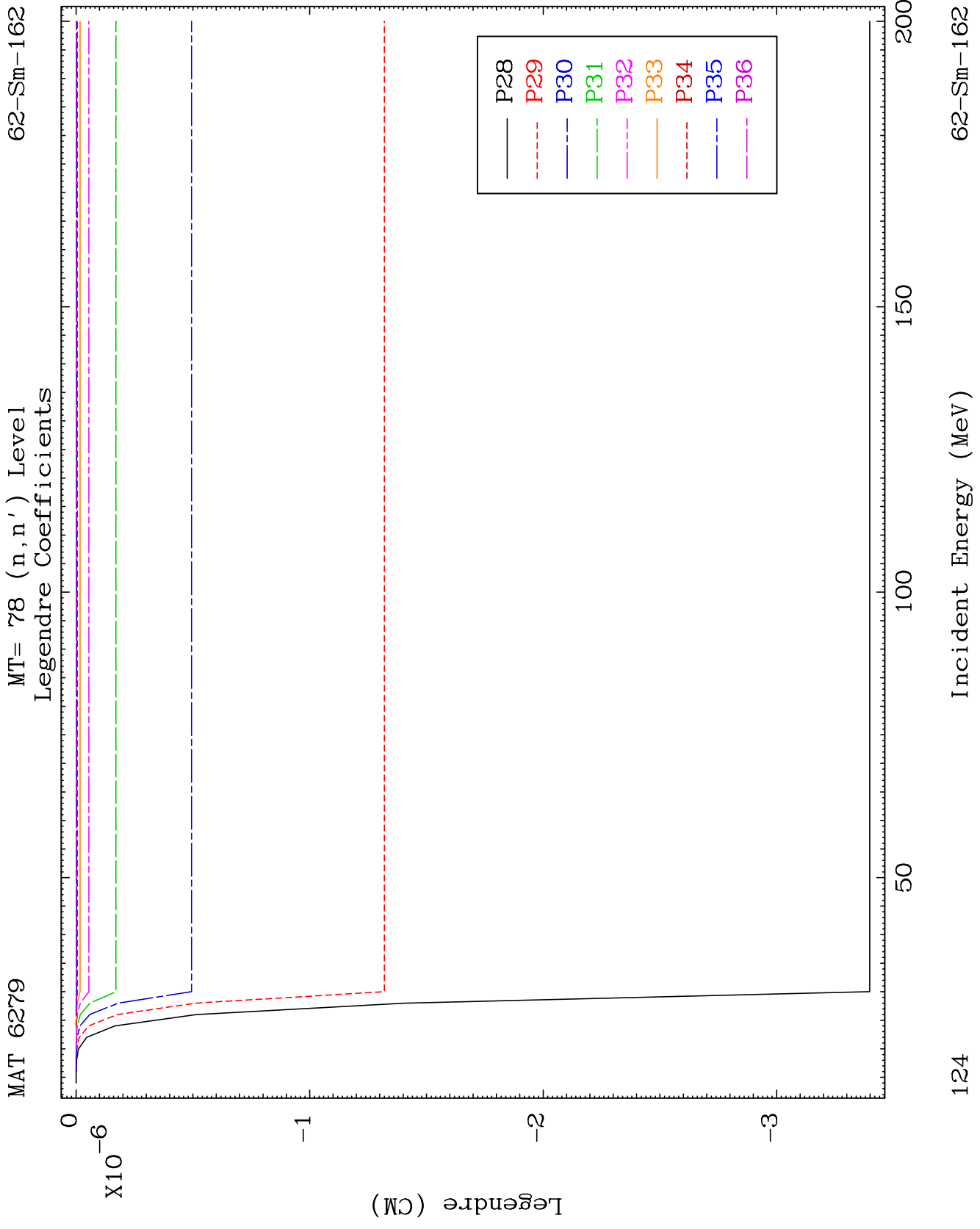
62-Sm-162



123

Incident Energy (MeV)

62-Sm-162

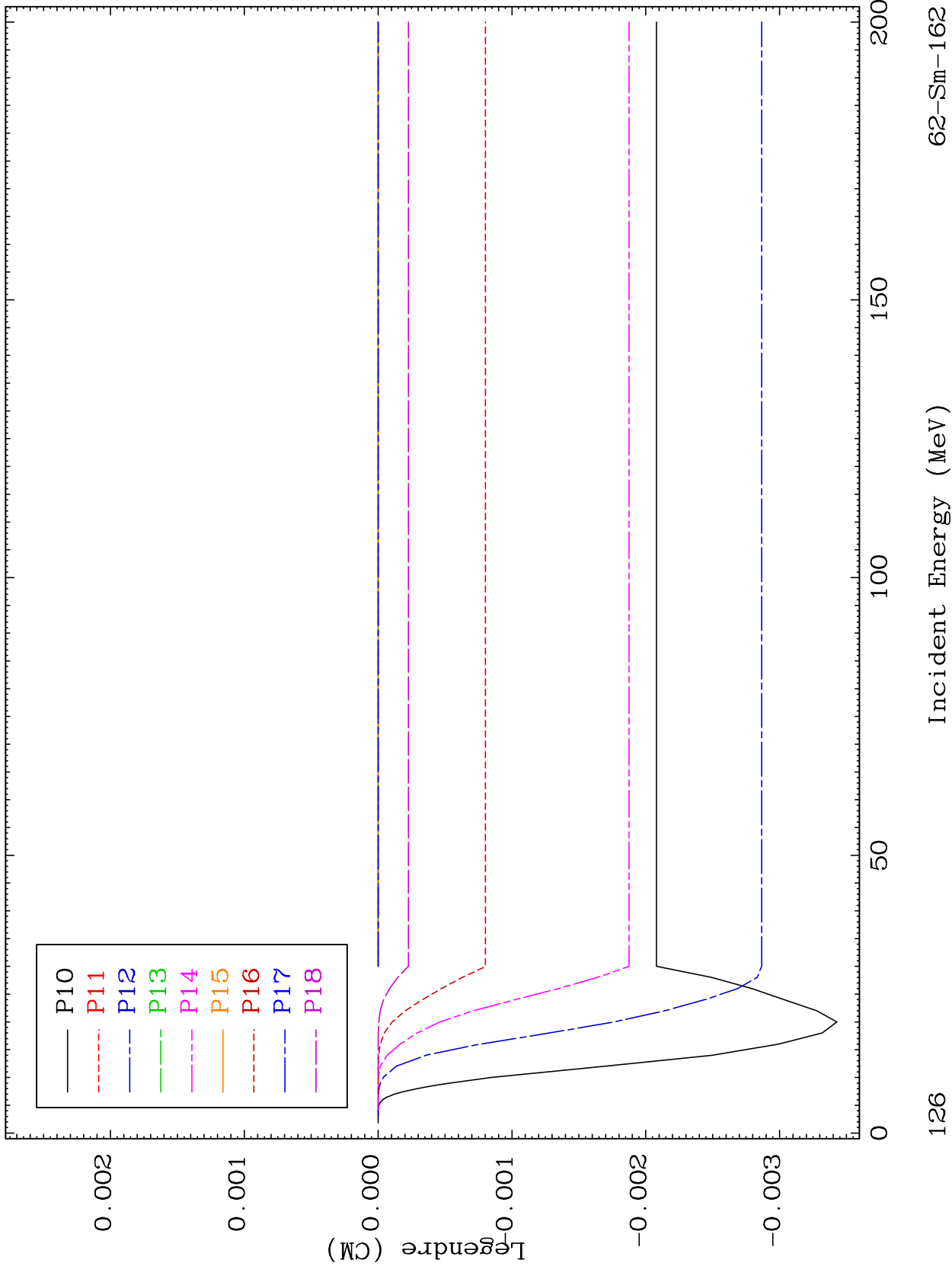




MAT 6279

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

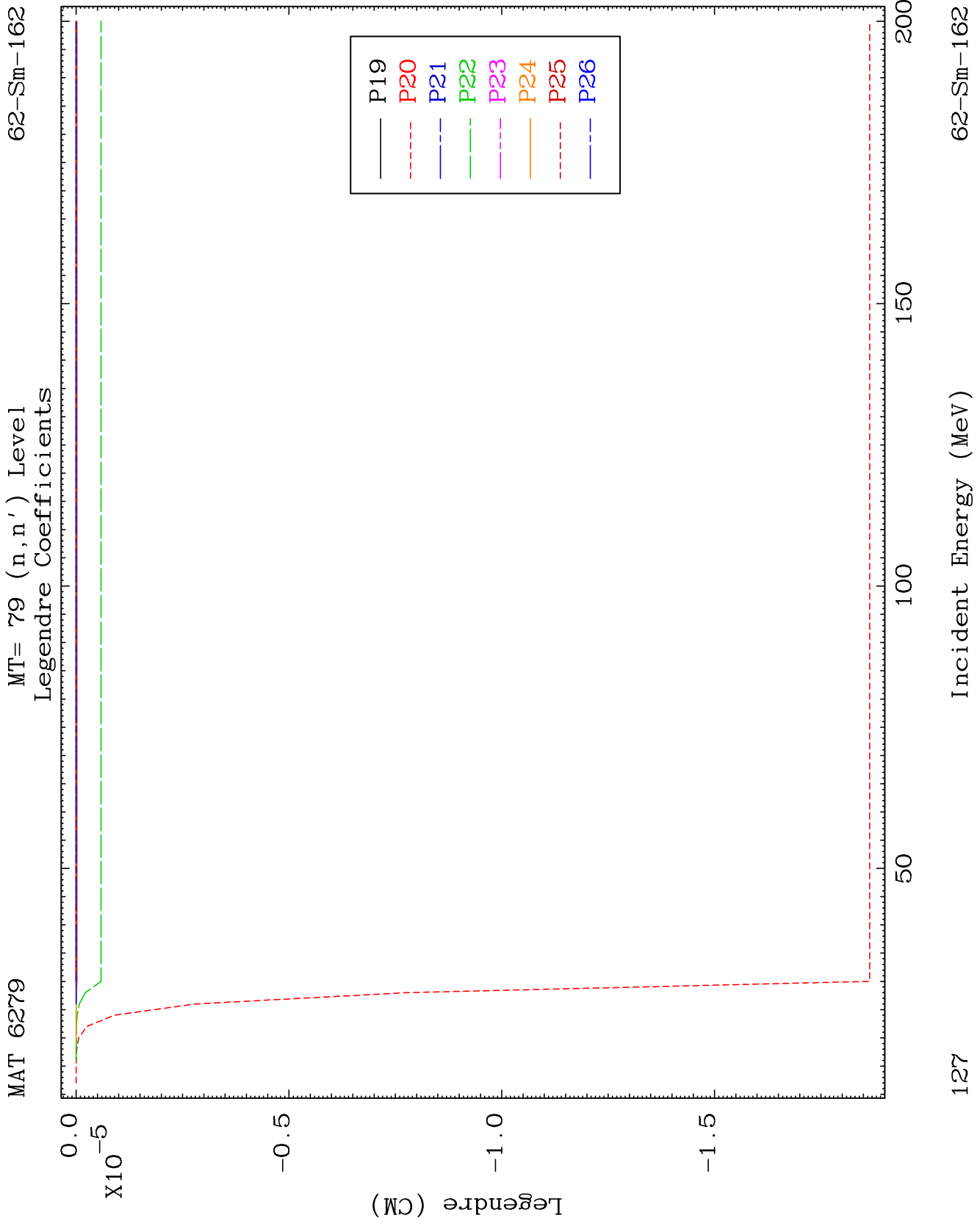
62-Sm-162



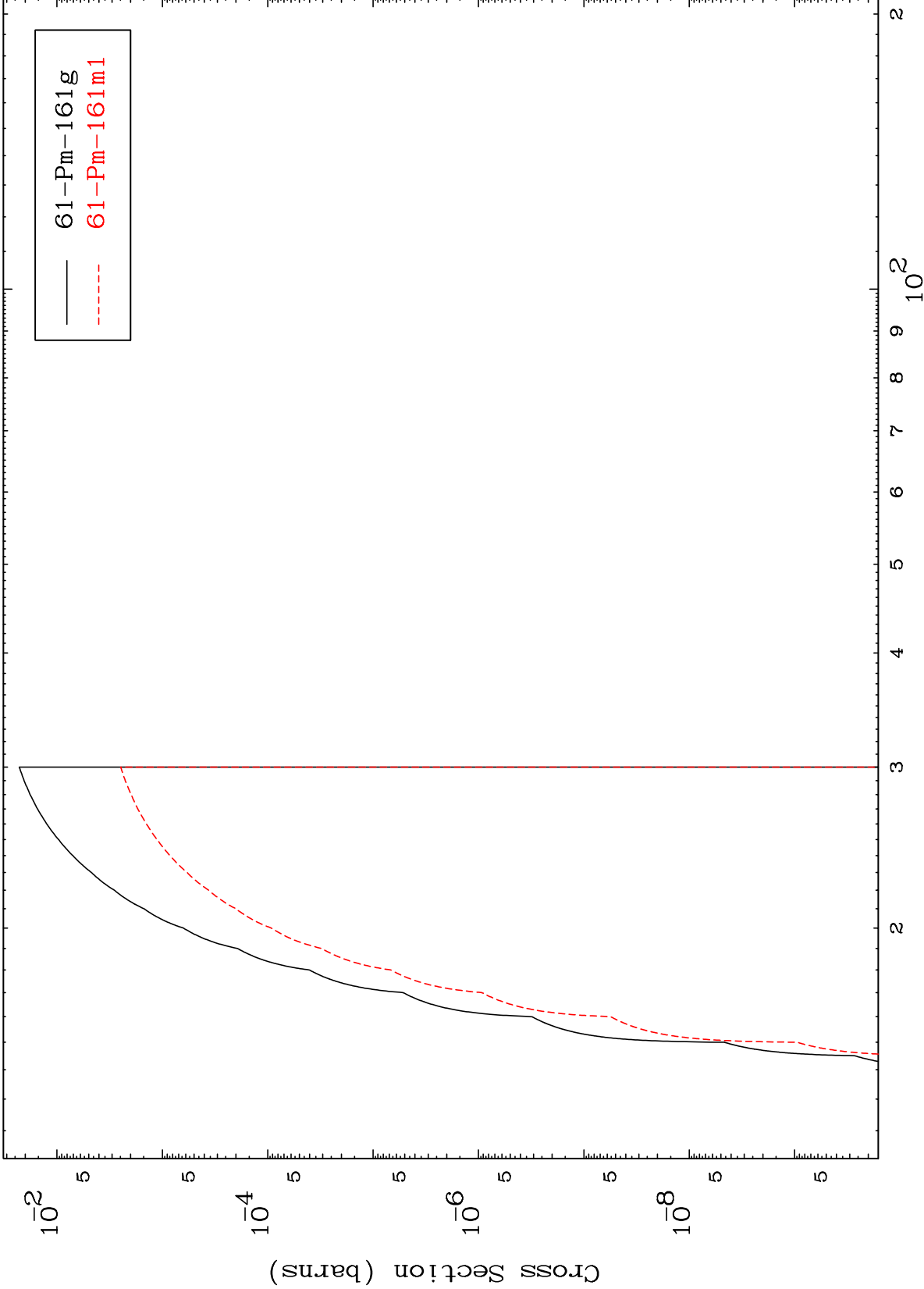
126

Incident Energy (MeV)

62-Sm-162



Radionuclide Production Cross Section



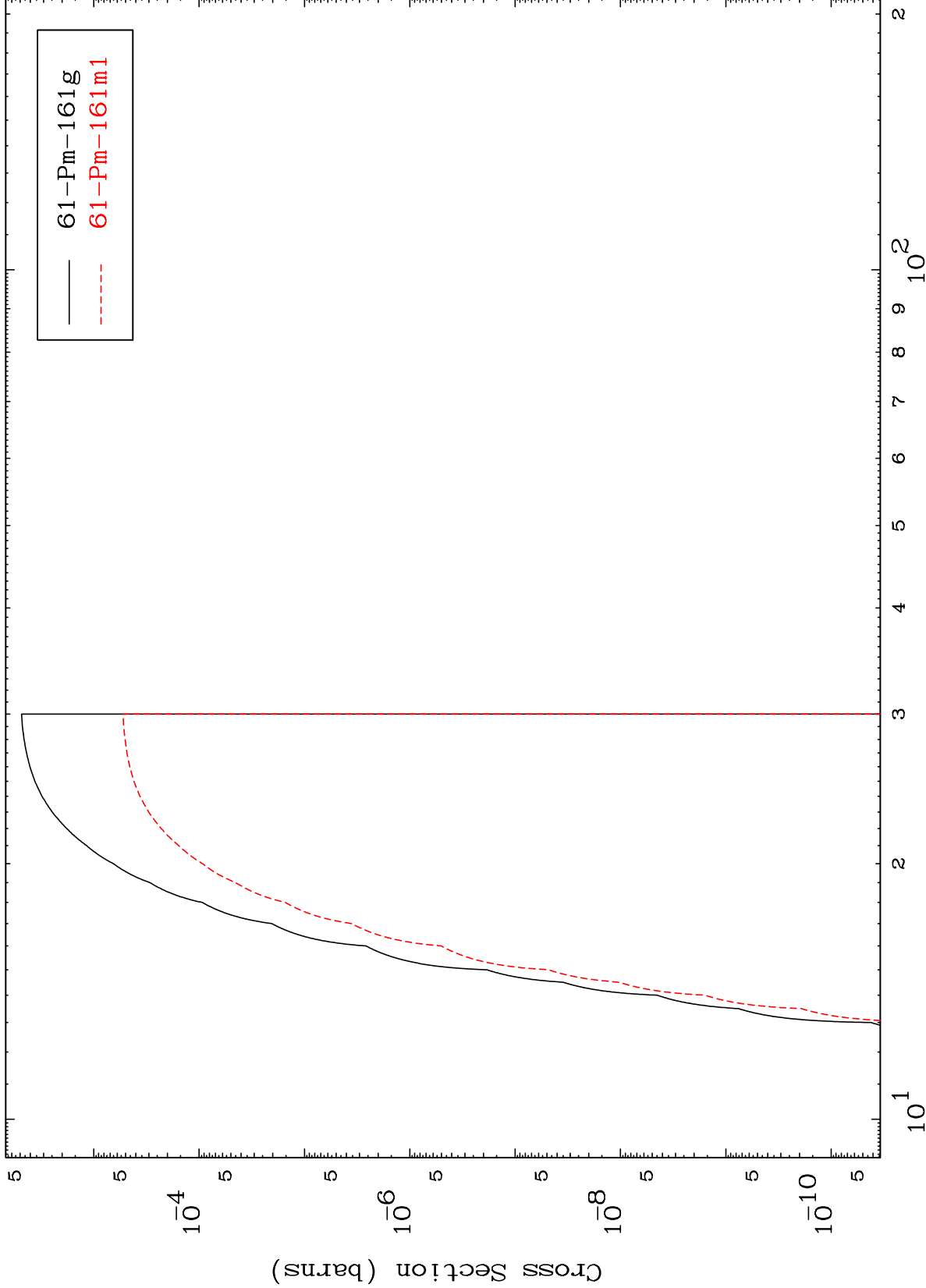
61-Pm-161g  
61-Pm-161m1

MAT 6279

(n,d)

62-Sm-162

Radionuclide Production Cross Section



Incident Energy (MeV)

62-Sm-162

129