

Program EVALPLOT
(Version 2018-1)

by

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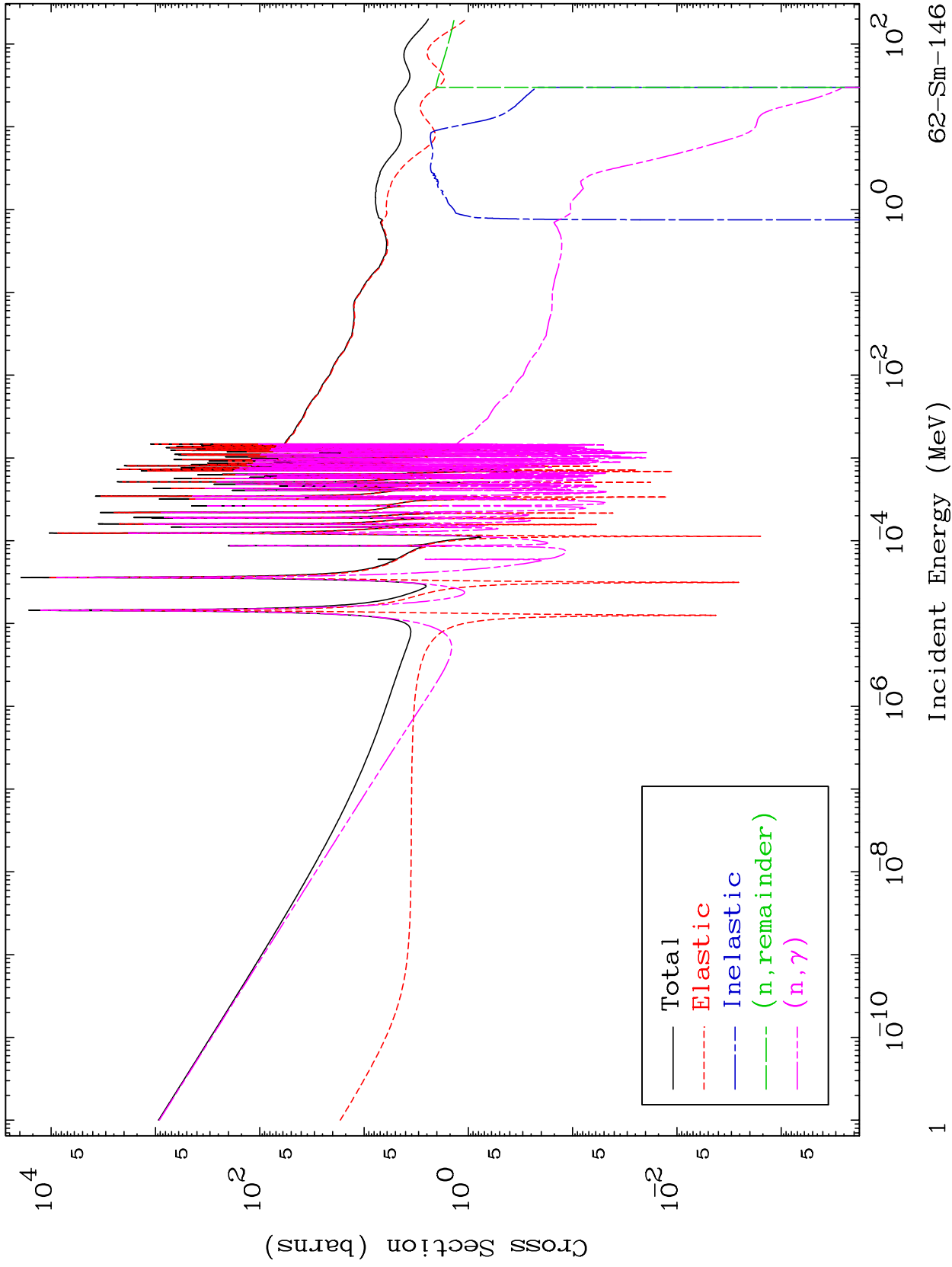
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Press Mouse Button to Start

MAT 6231

Major
293 Kelvin Cross Sections

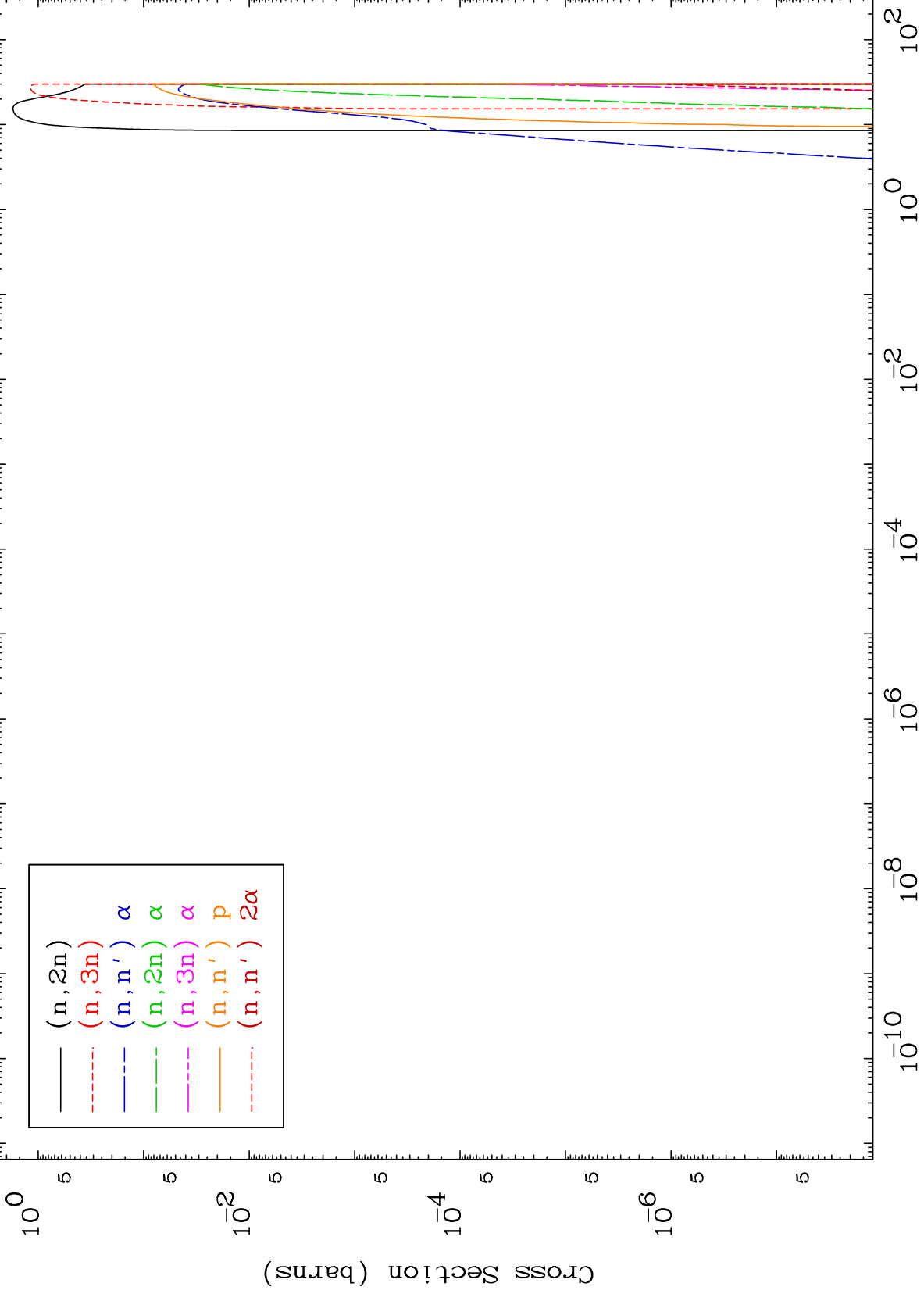
62-Sm-146



MAT 6231

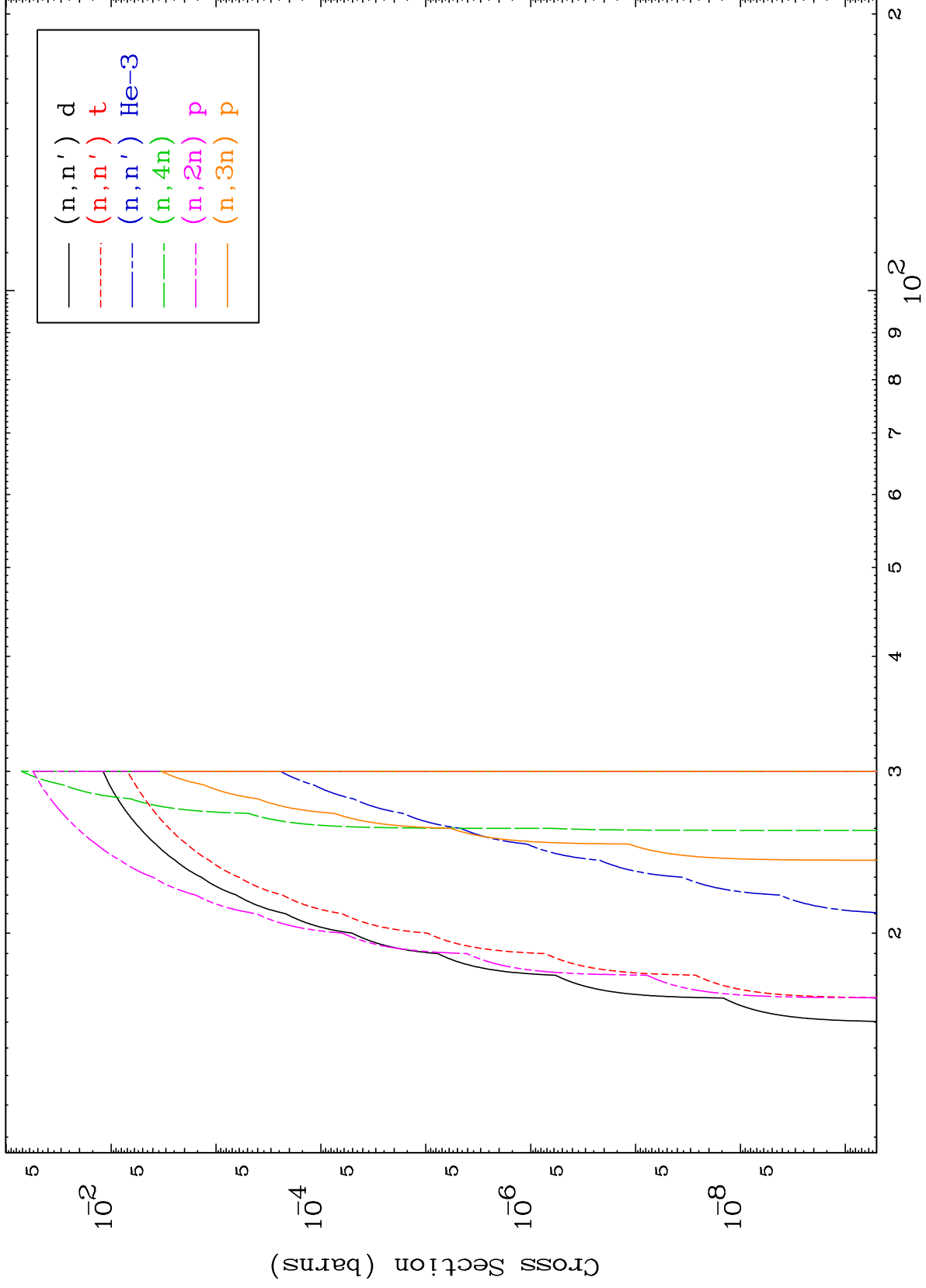
Neutron Production
293 Kelvin Cross Sections

62-Sm-146



62-Sm-146

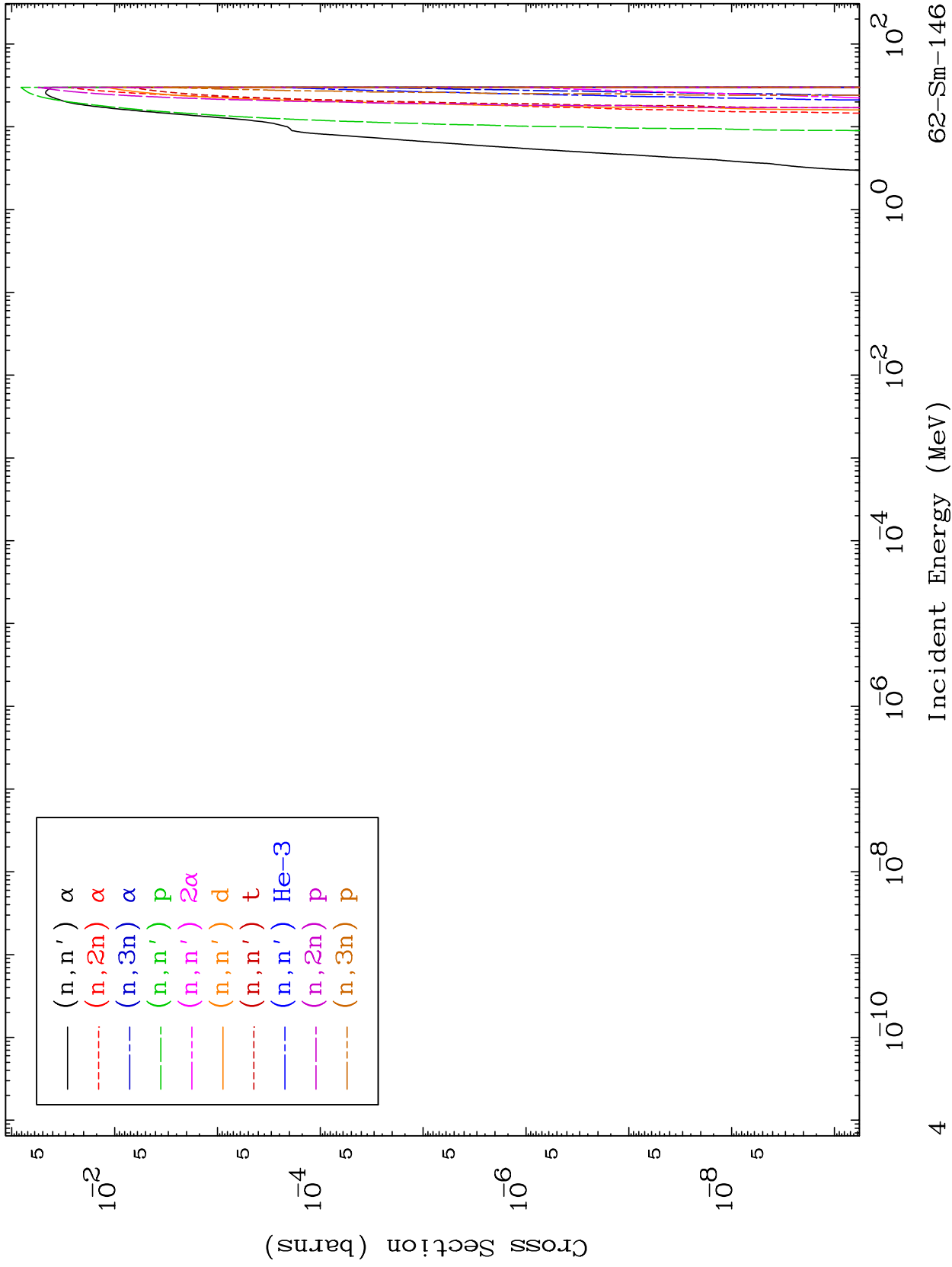
Incident Energy (MeV)



MAT 6231

Charged Particle
293 Kelvin Cross Sections

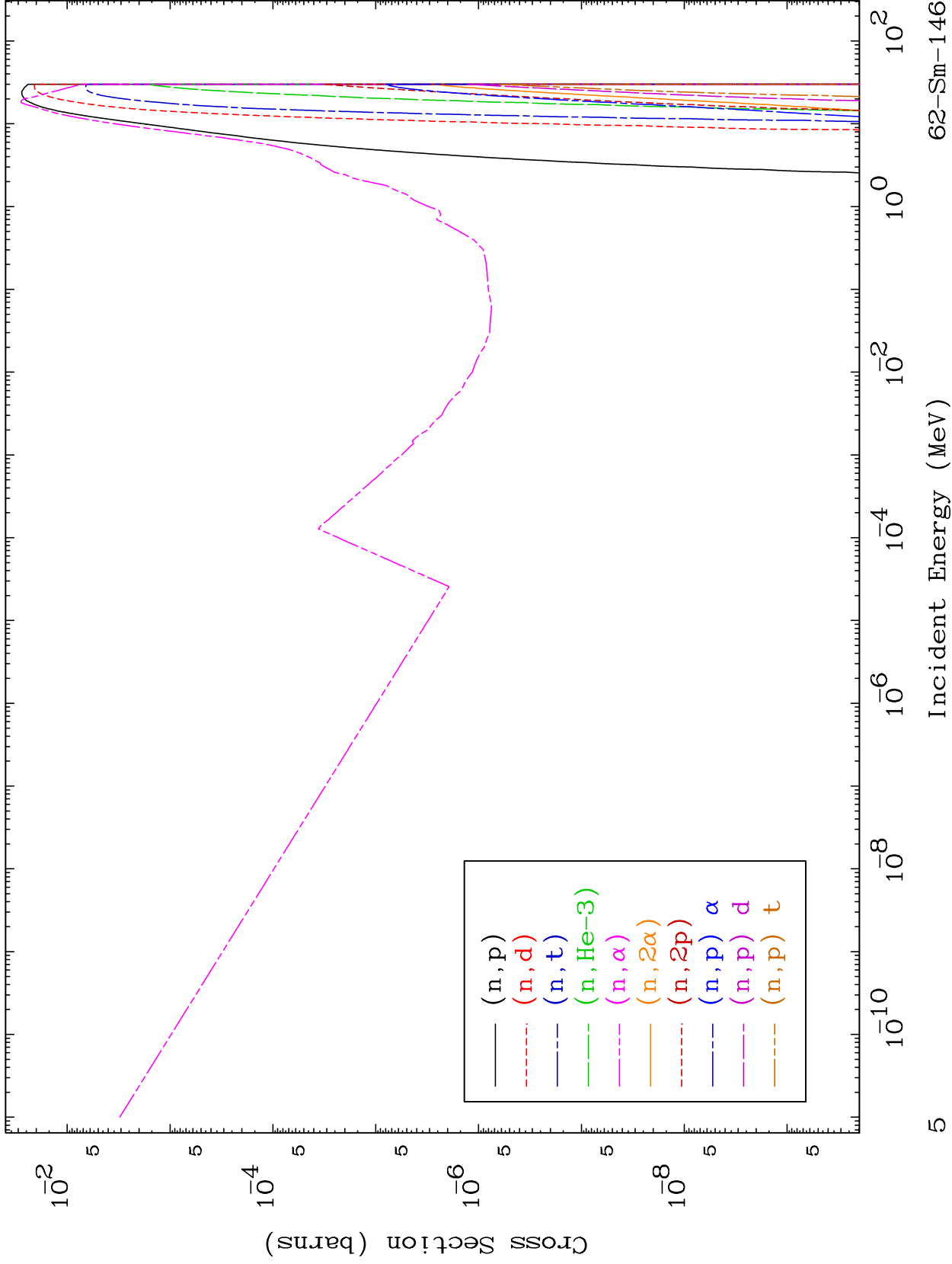
62-Sm-146



MAT 6231

Charged Particle
293 Kelvin Cross Sections

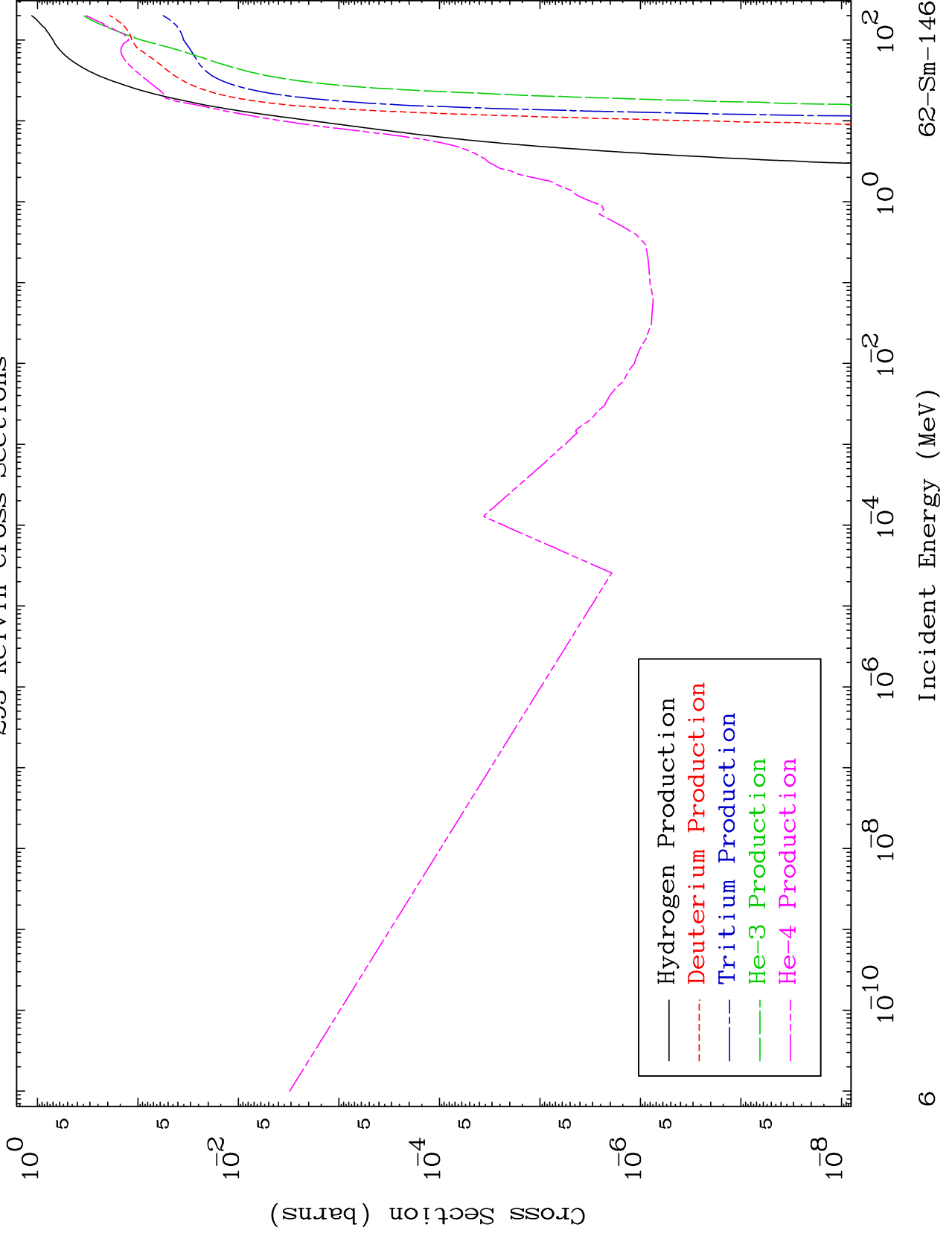
62-Sm-146



MAT 6231

Particle Production
293 Kelvin Cross Sections

62-Sm-146

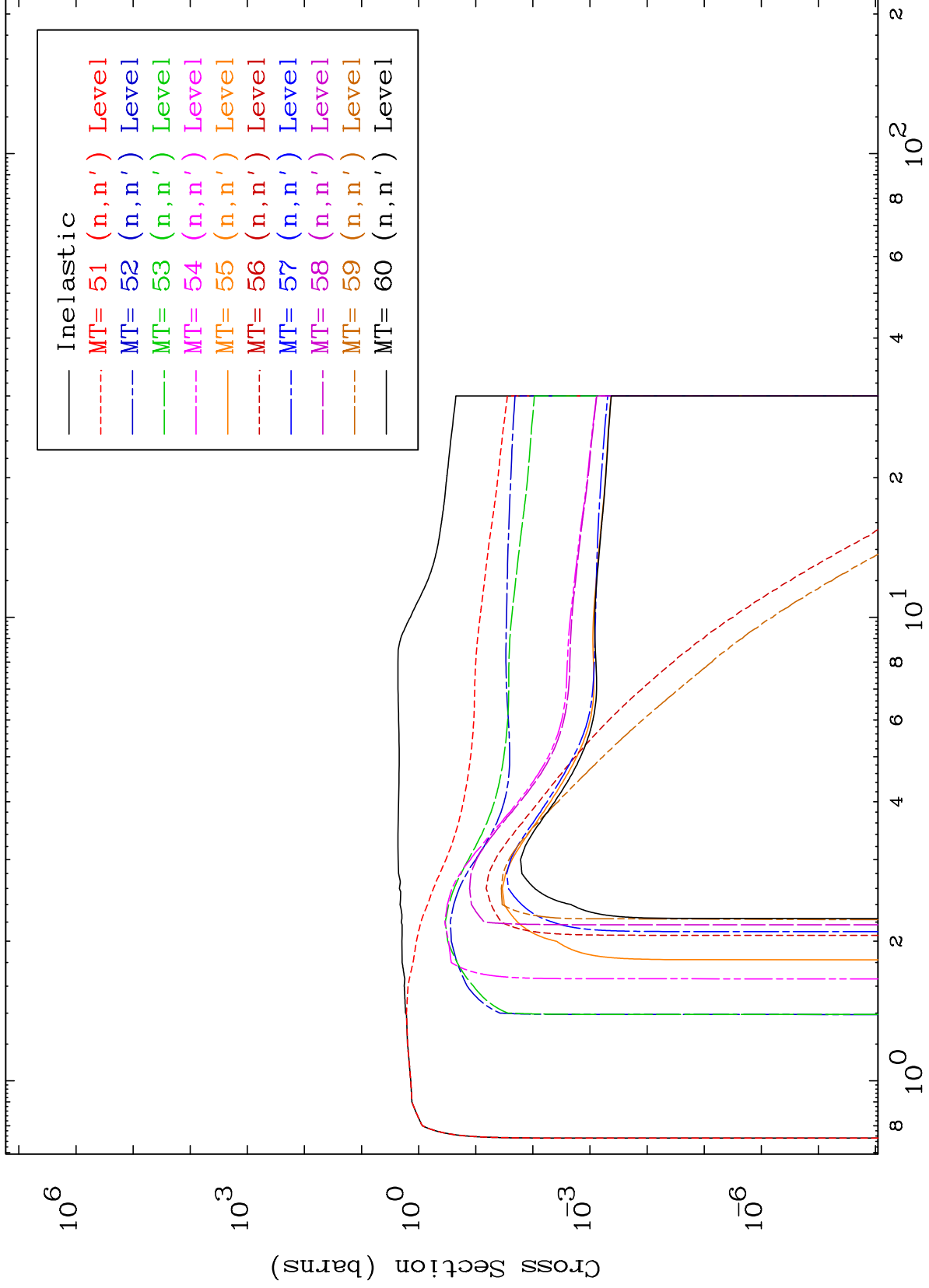


MAT 6231

(n,n') Level

62-Sm-146

293 Kelvin Cross Sections



Incident Energy (MeV)

62-Sm-146

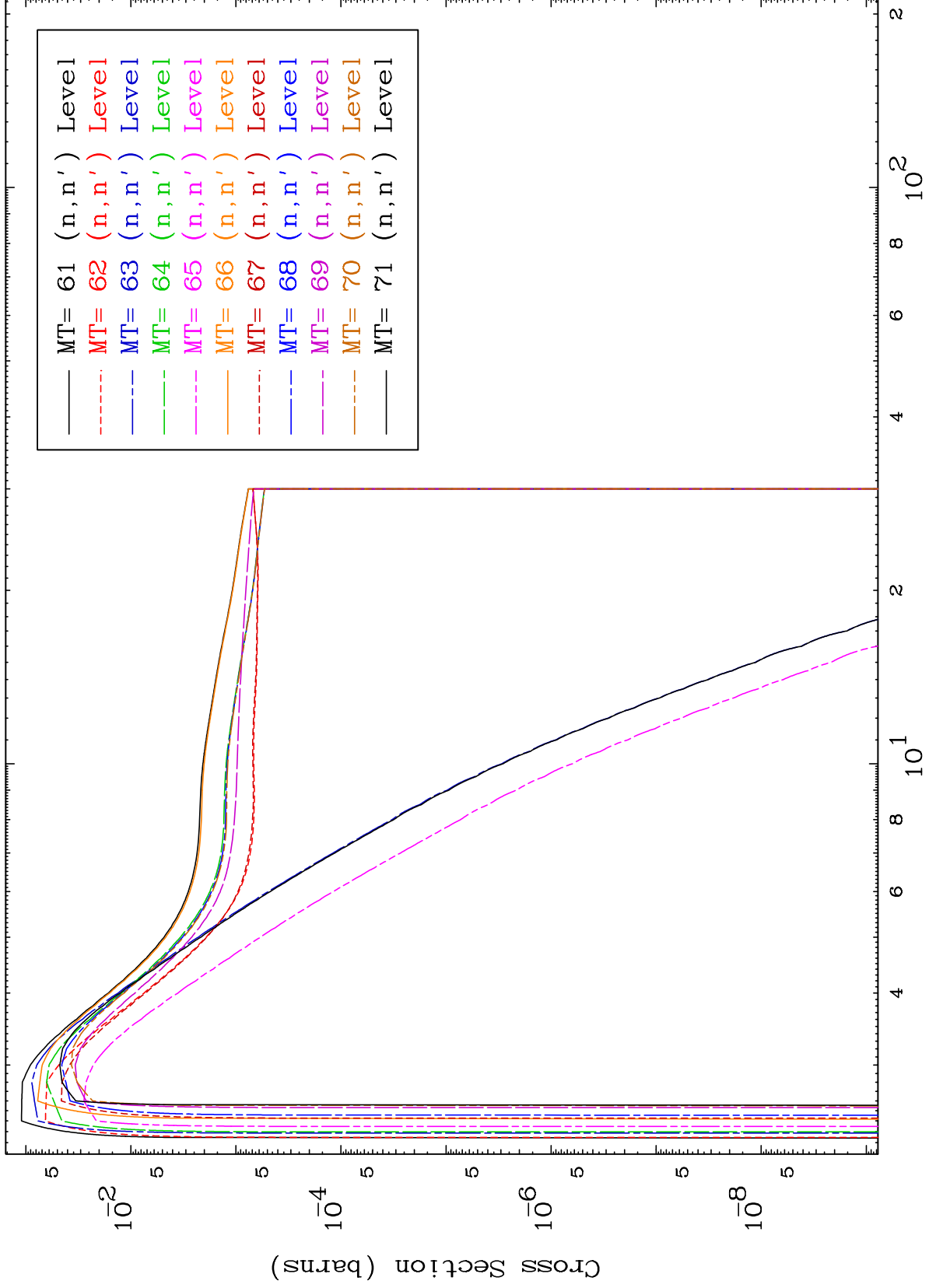
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MAT 6231

(n,n') Level

62-Sm-146

293 Kelvin Cross Sections

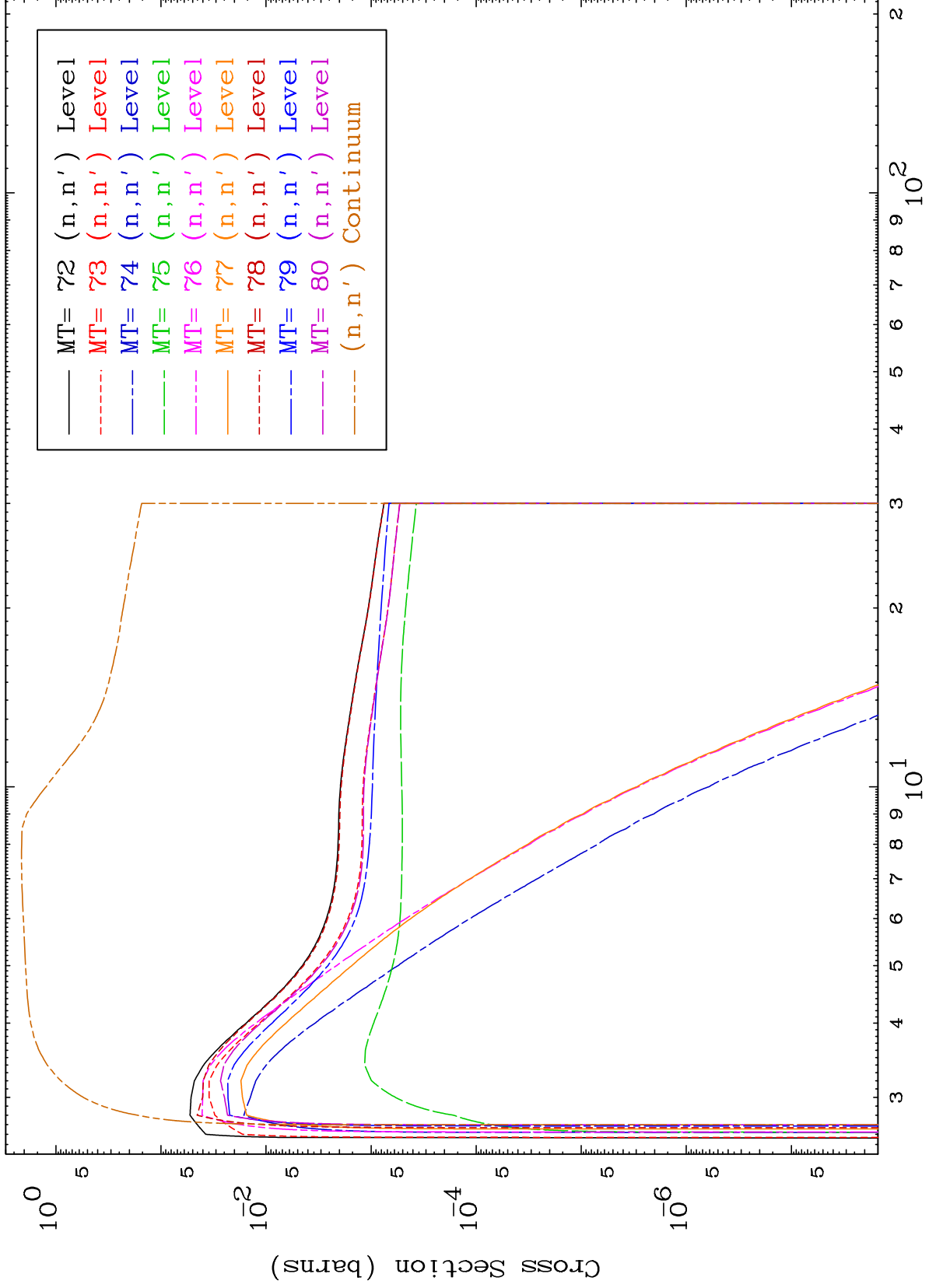


8

Incident Energy (MeV)

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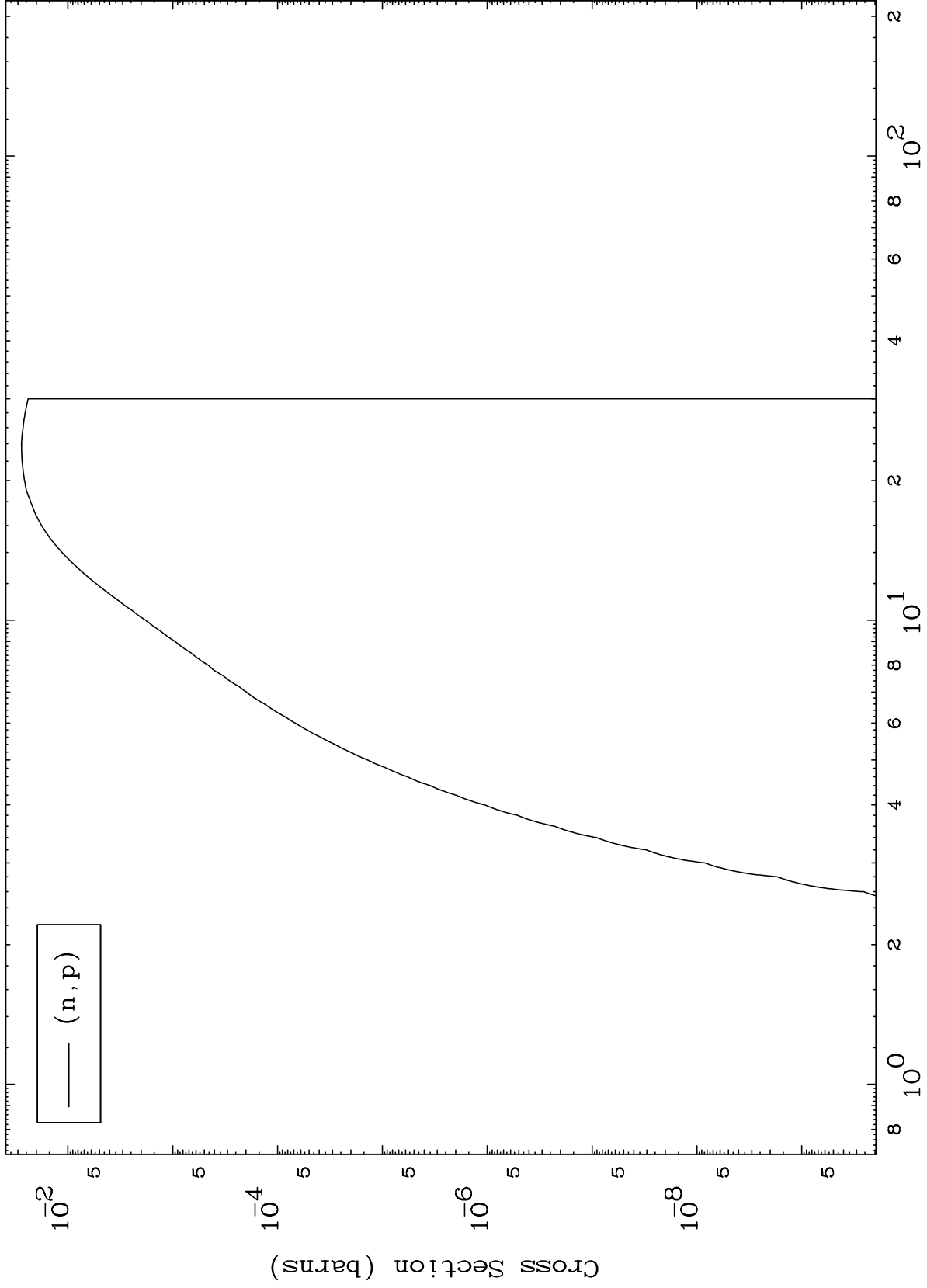
293 Kelvin Cross Sections



MAT 6231

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-146



10

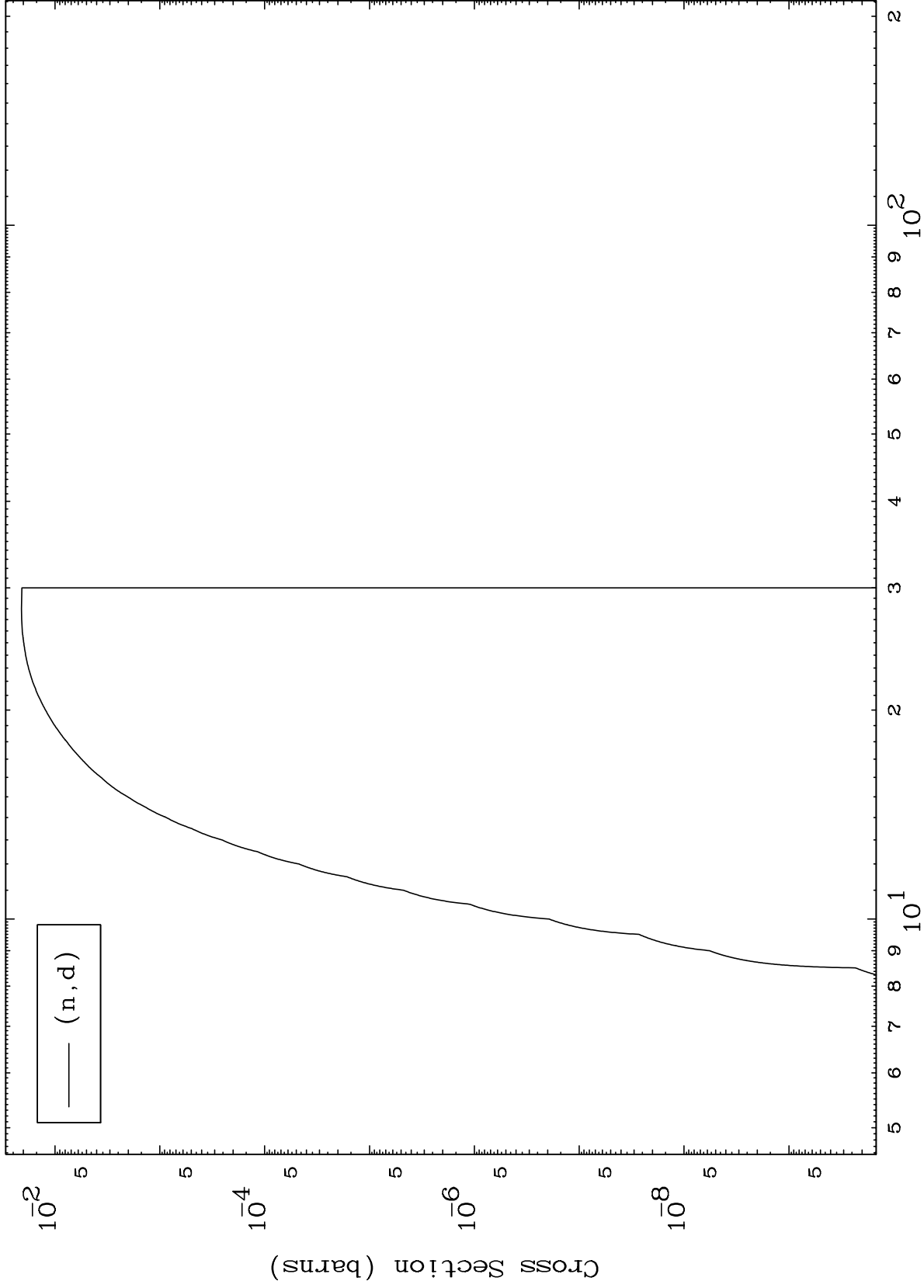
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-146



11

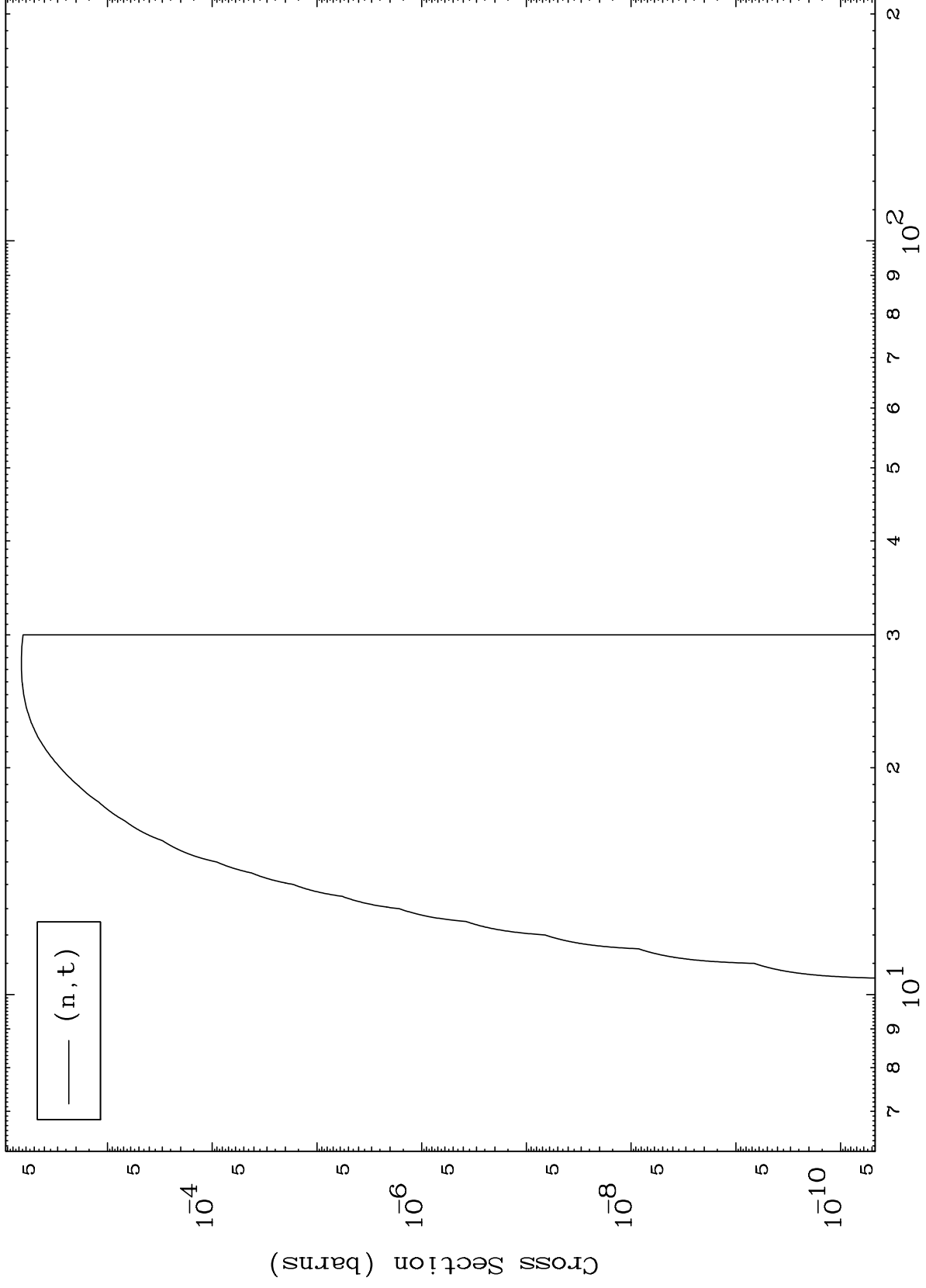
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-146



12

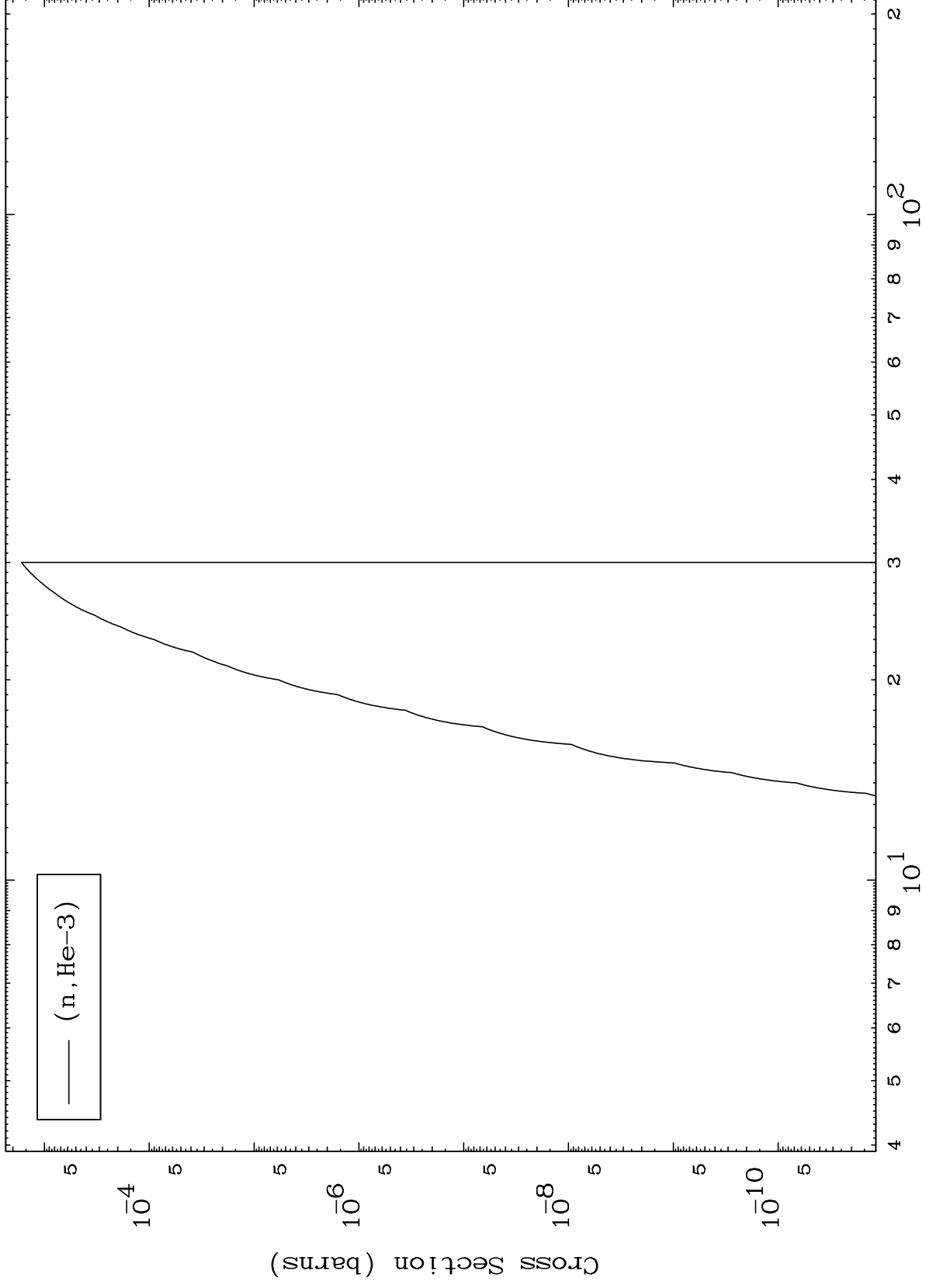
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-146



13

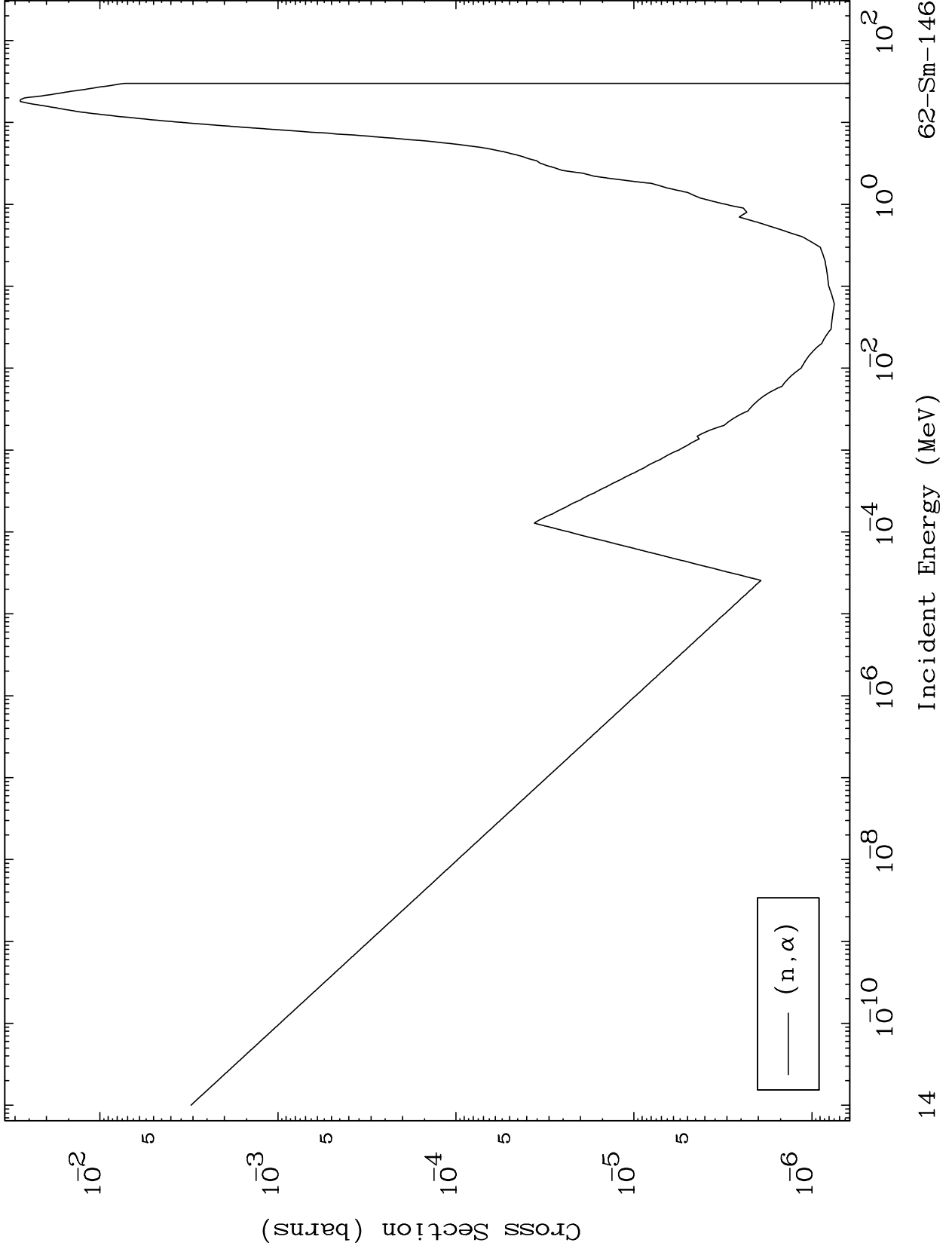
Incident Energy (MeV)

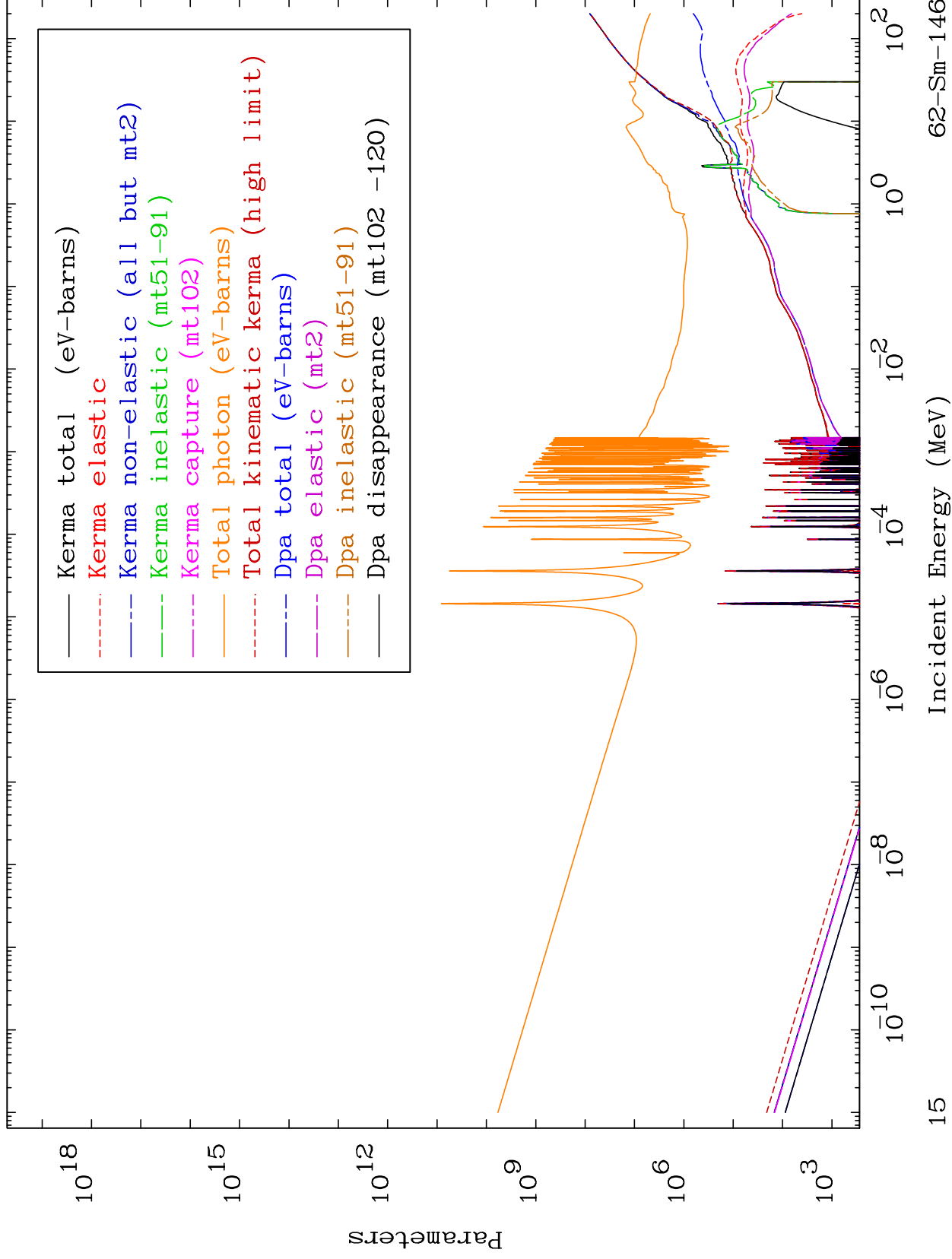
62-Sm-146

MAT 6231

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-146

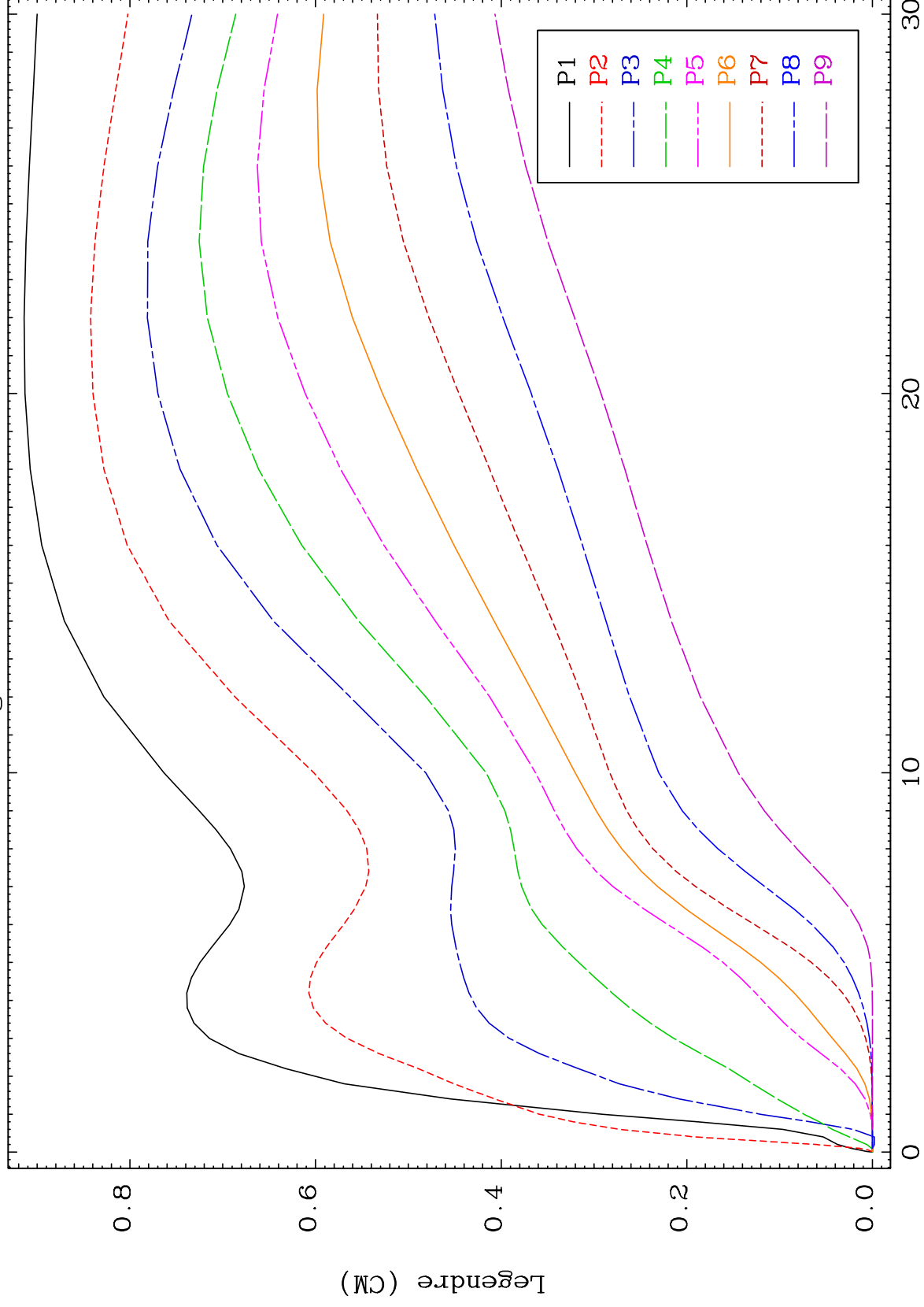




MAT 6231

Elastic Legendre Coefficients

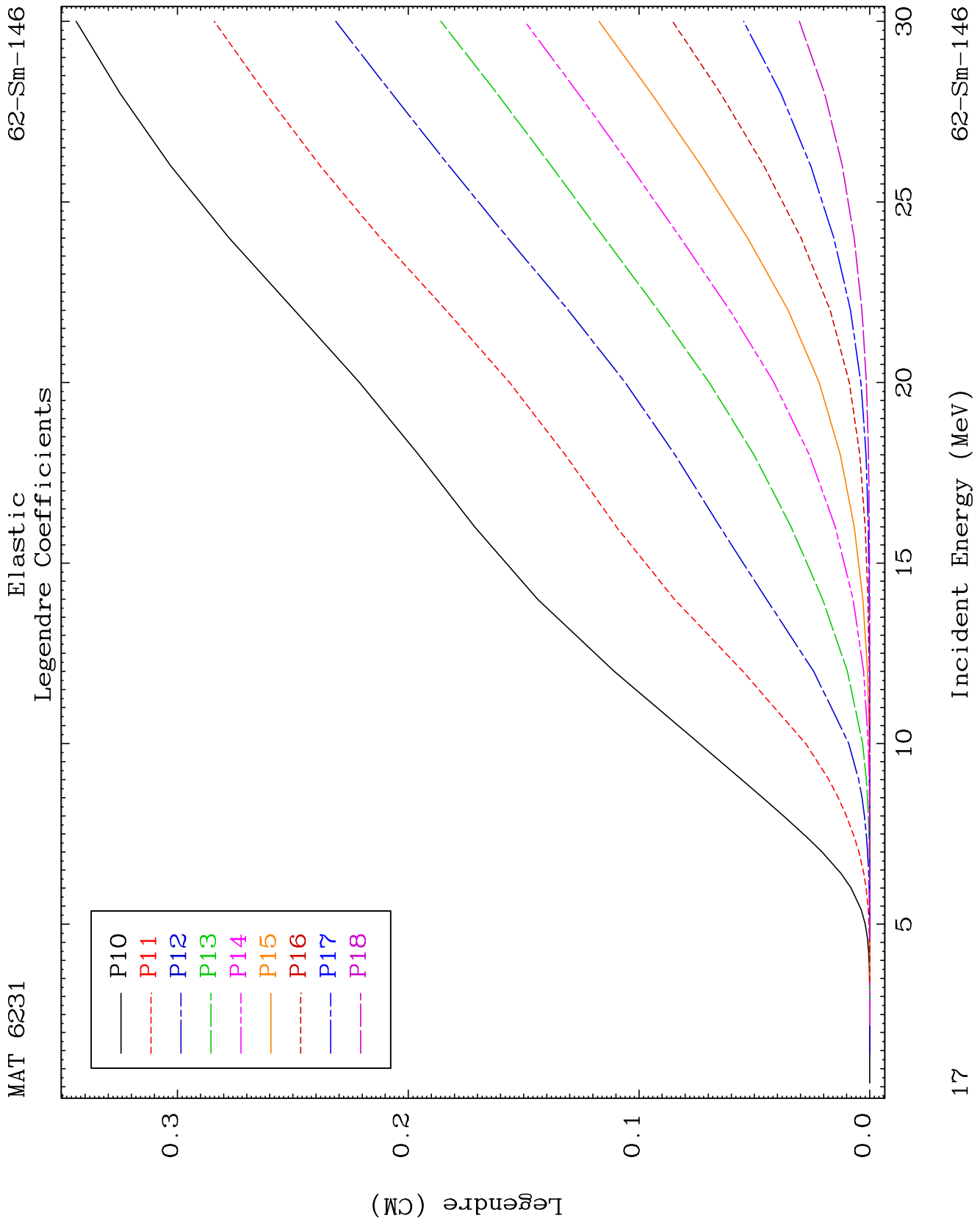
62-Sm-146



16

Incident Energy (MeV)

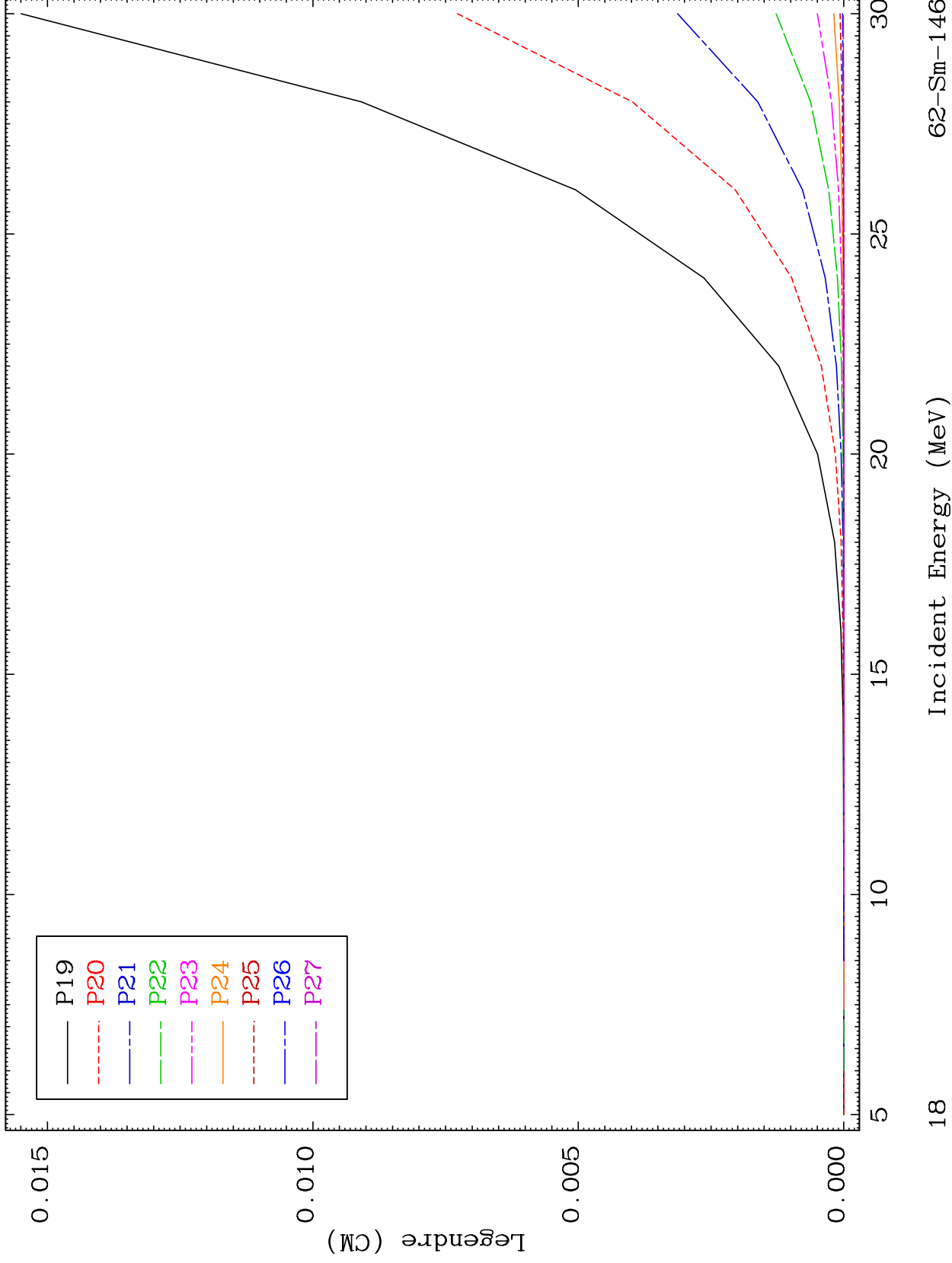
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MAT 6231

Elastic Legendre Coefficients

62-Sm-146



18

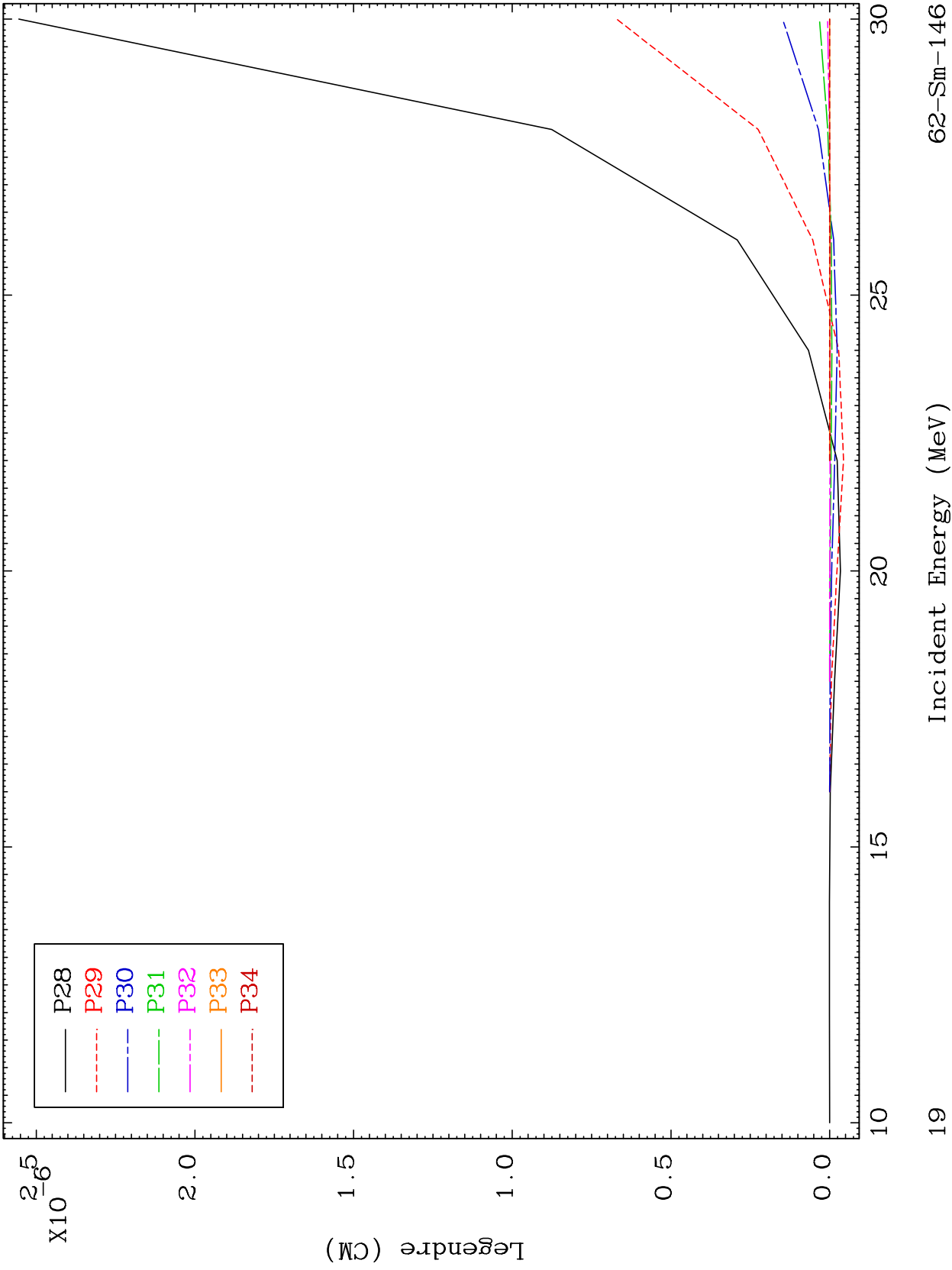
Incident Energy (MeV)

62-Sm-146

MAT 6231

Elastic Legendre Coefficients

⁶²Sm-146



19

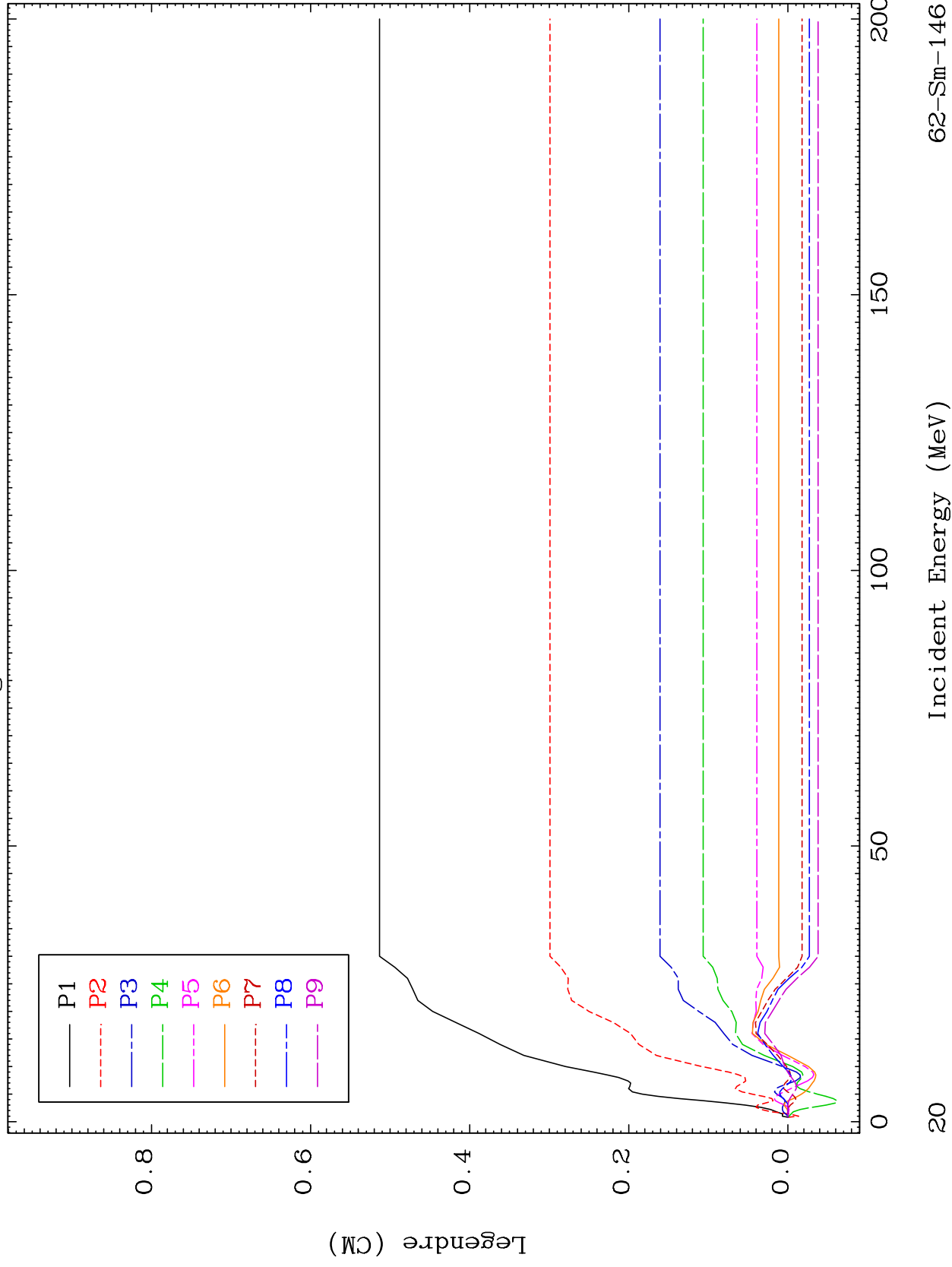
Incident Energy (MeV)

⁶²Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

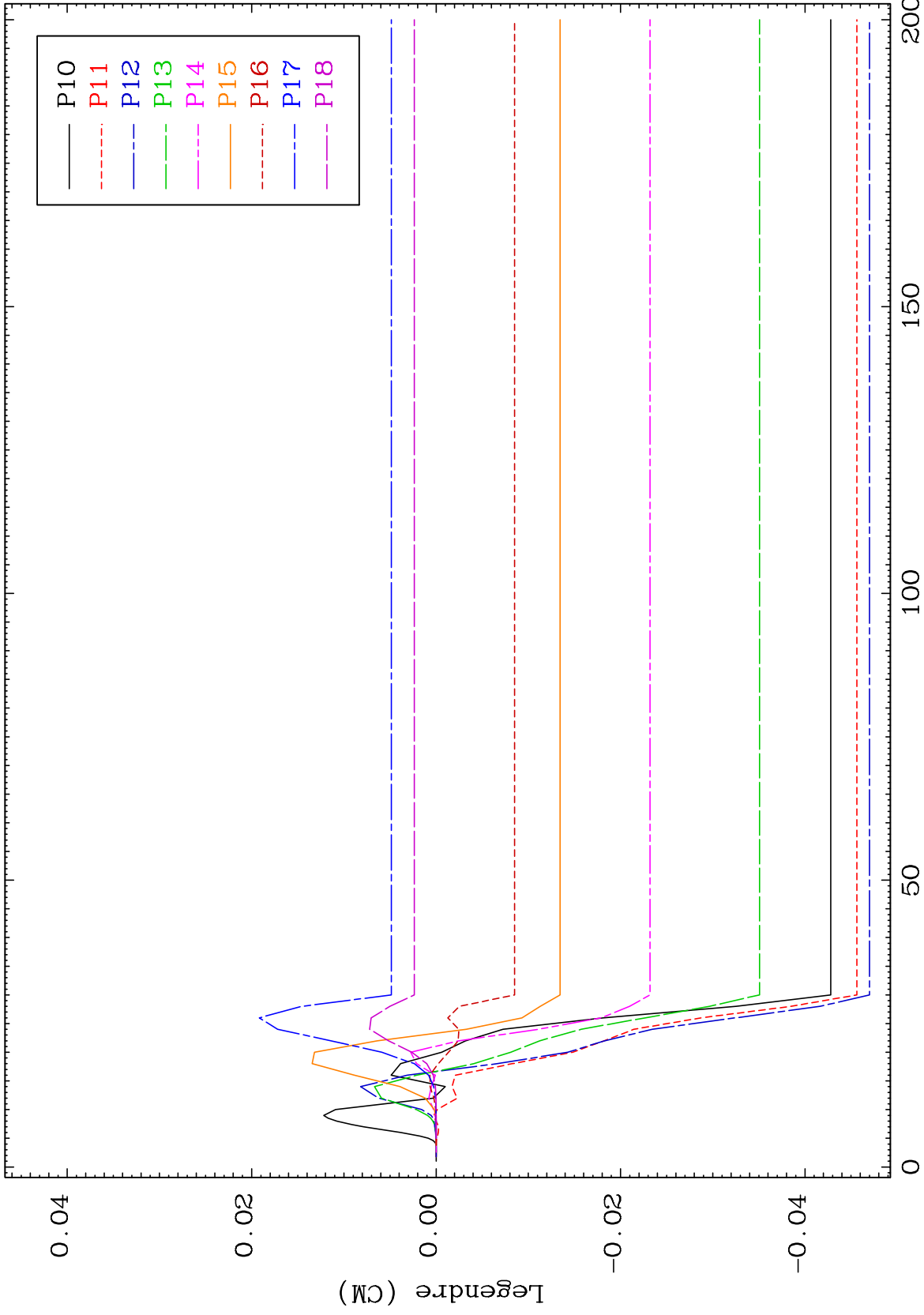
Incident Energy (MeV)

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MAT 6231

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

62-Sm-146



21

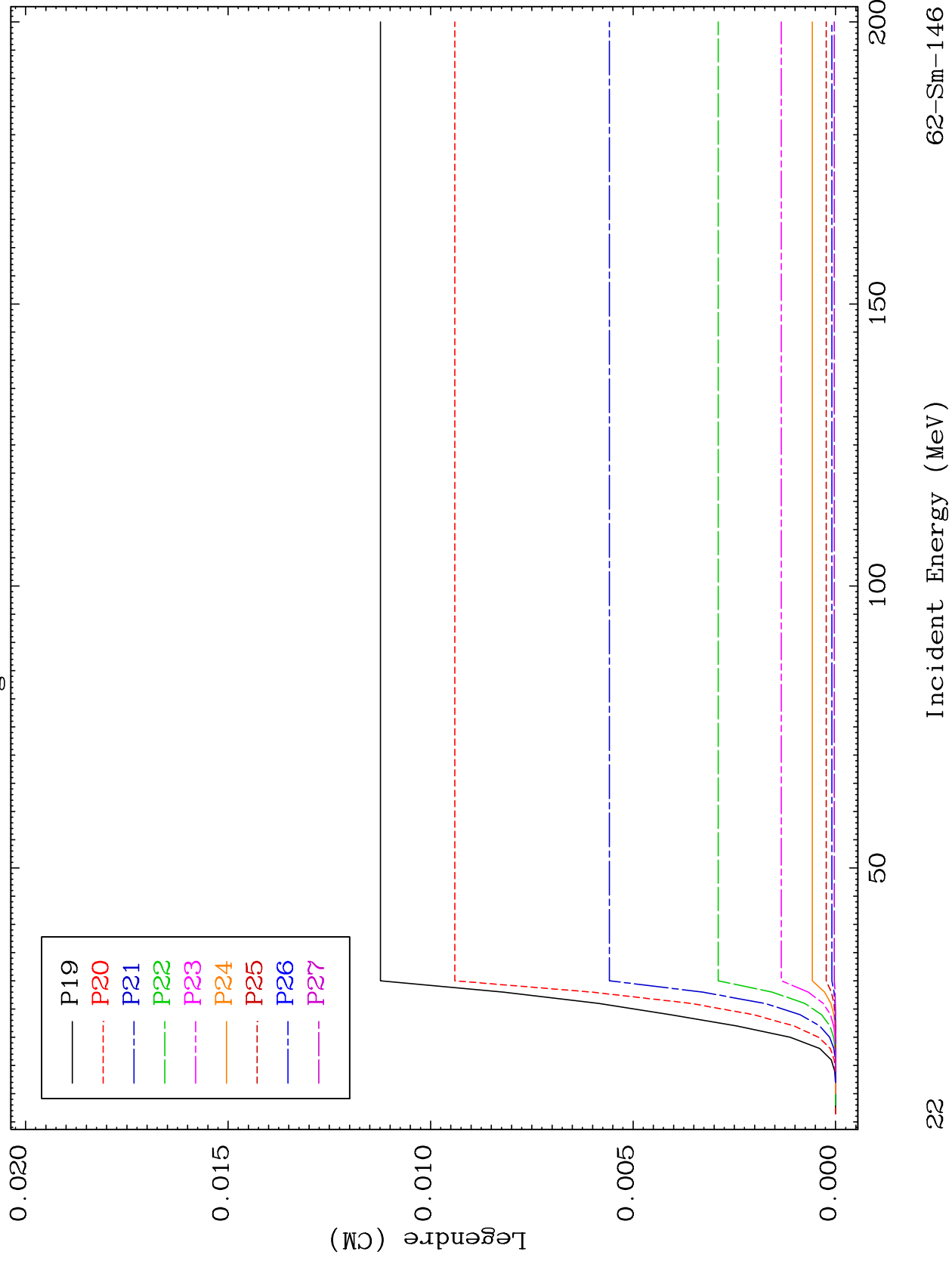
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



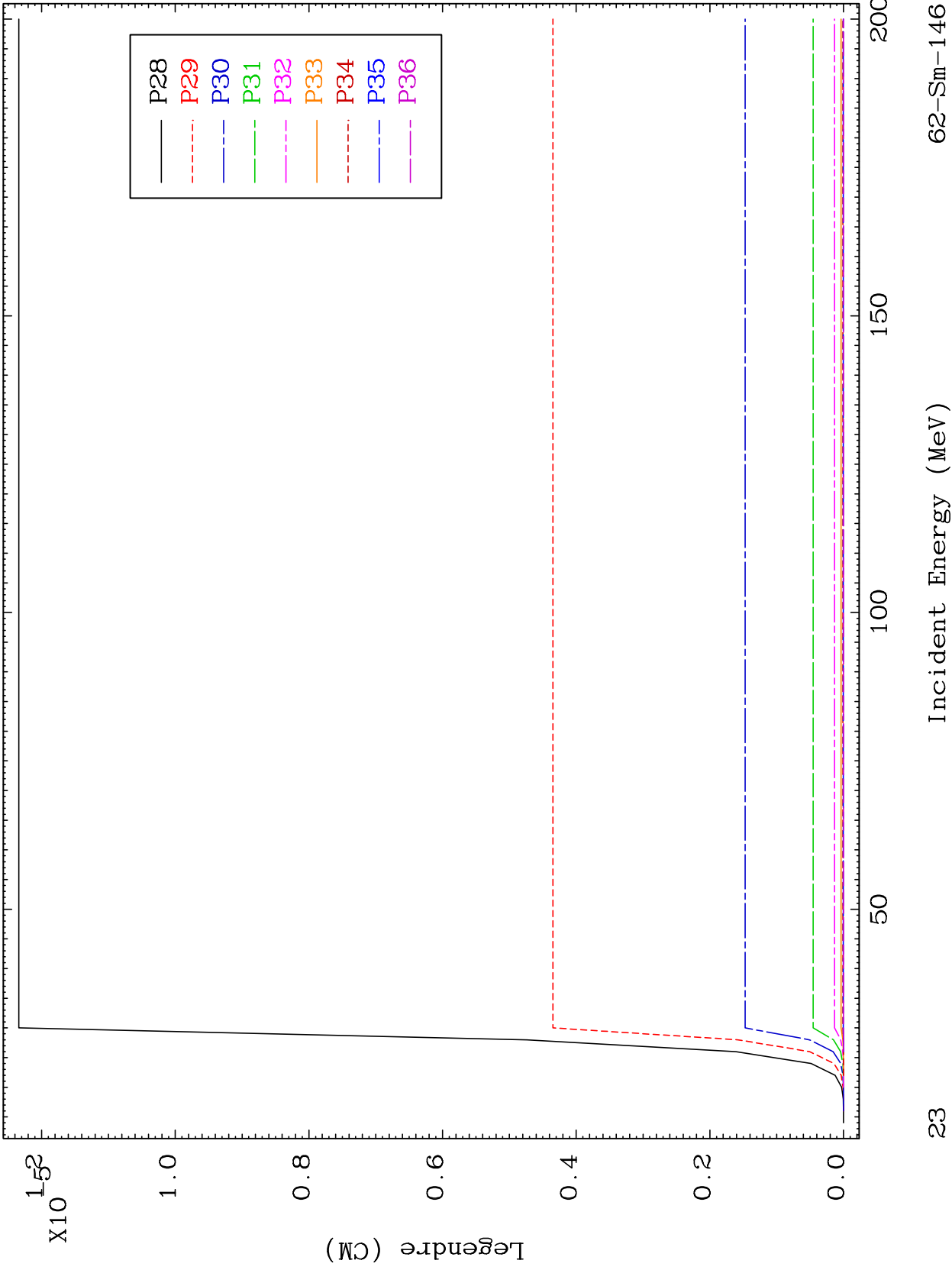
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62-Sm-146

MAT 6231

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

62-Sm-146

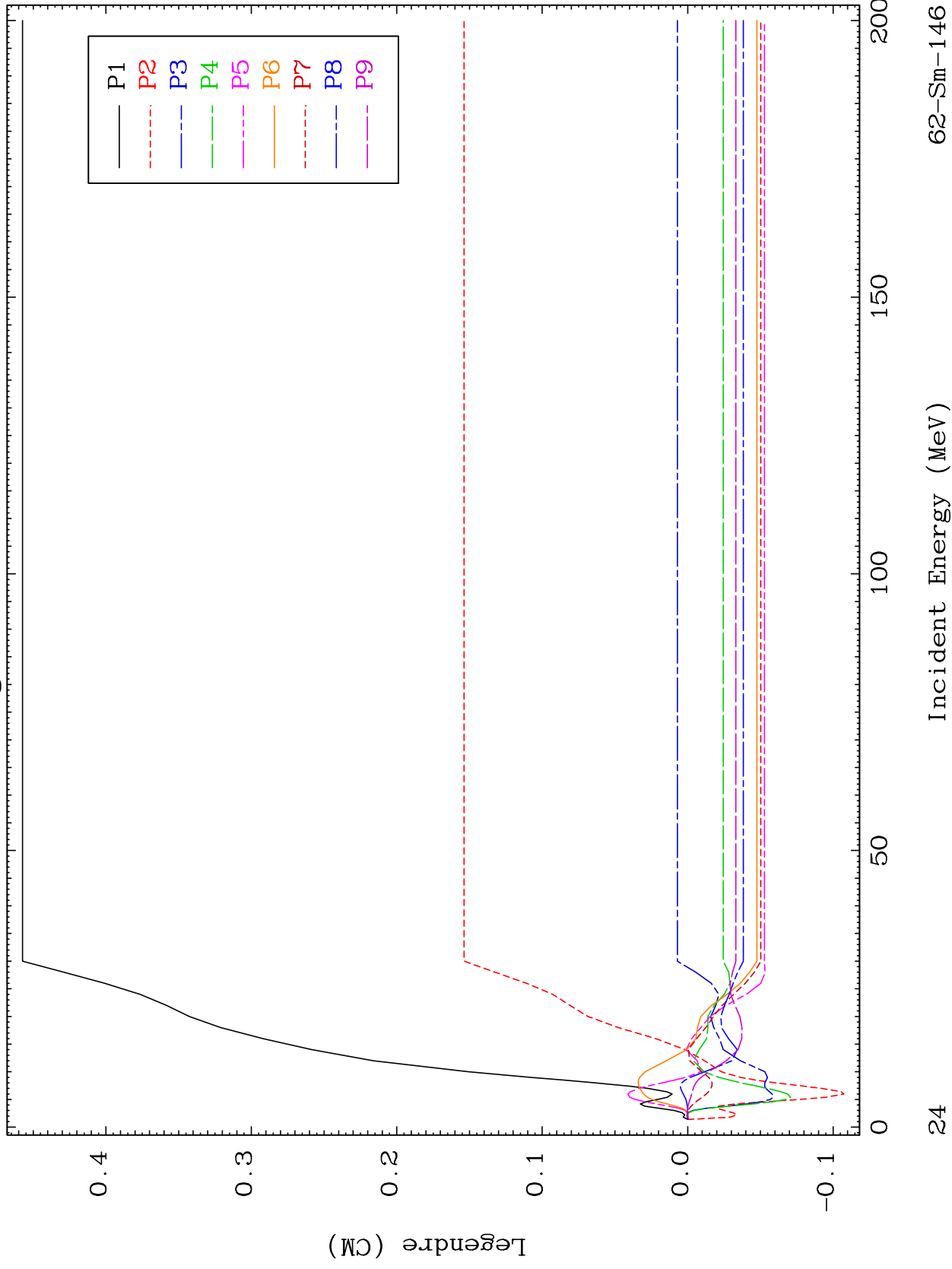


23

MAT 6231

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

62-Sm-146



62-Sm-146

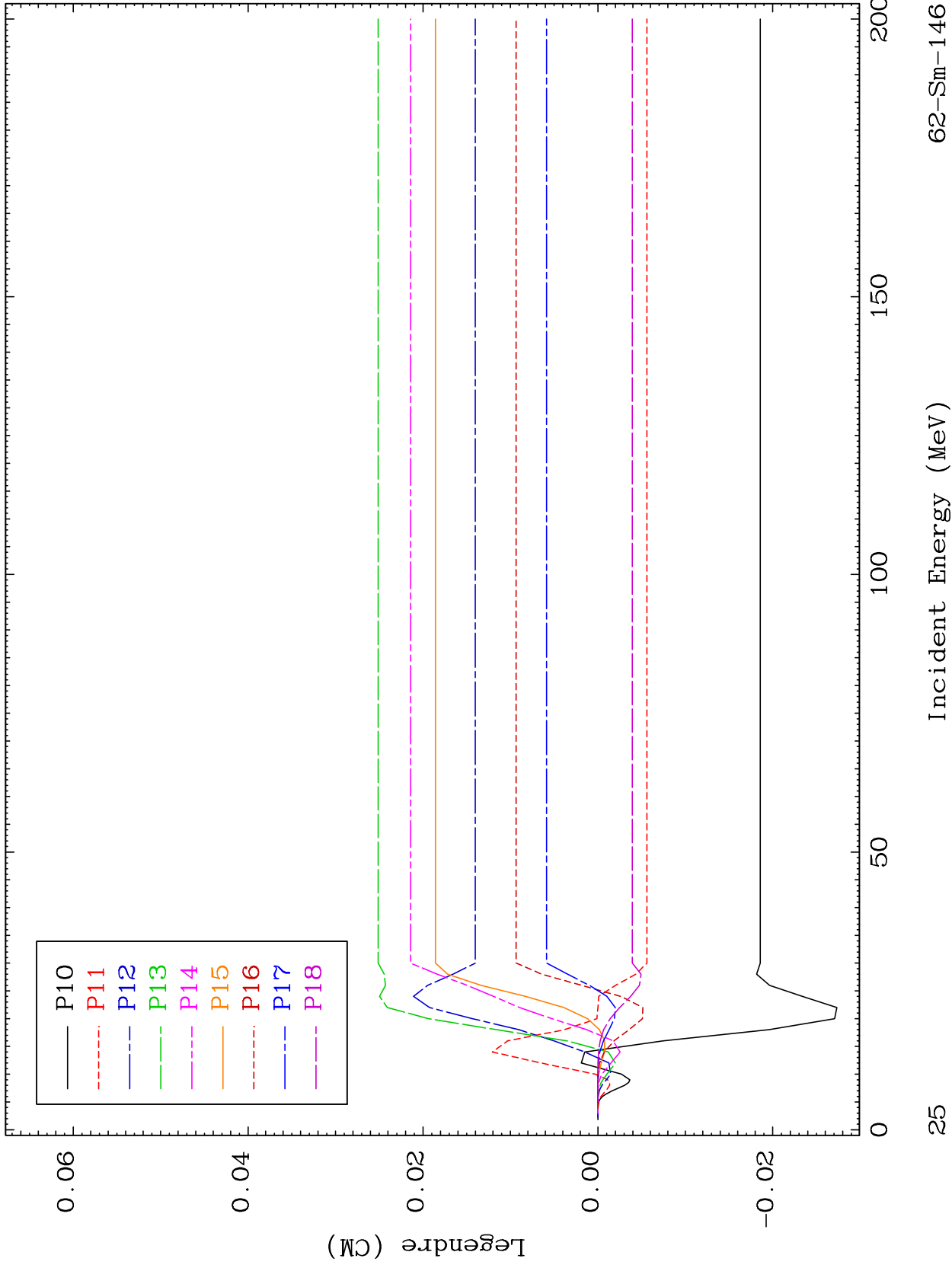
Incident Energy (MeV)

24

MAT 6231

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

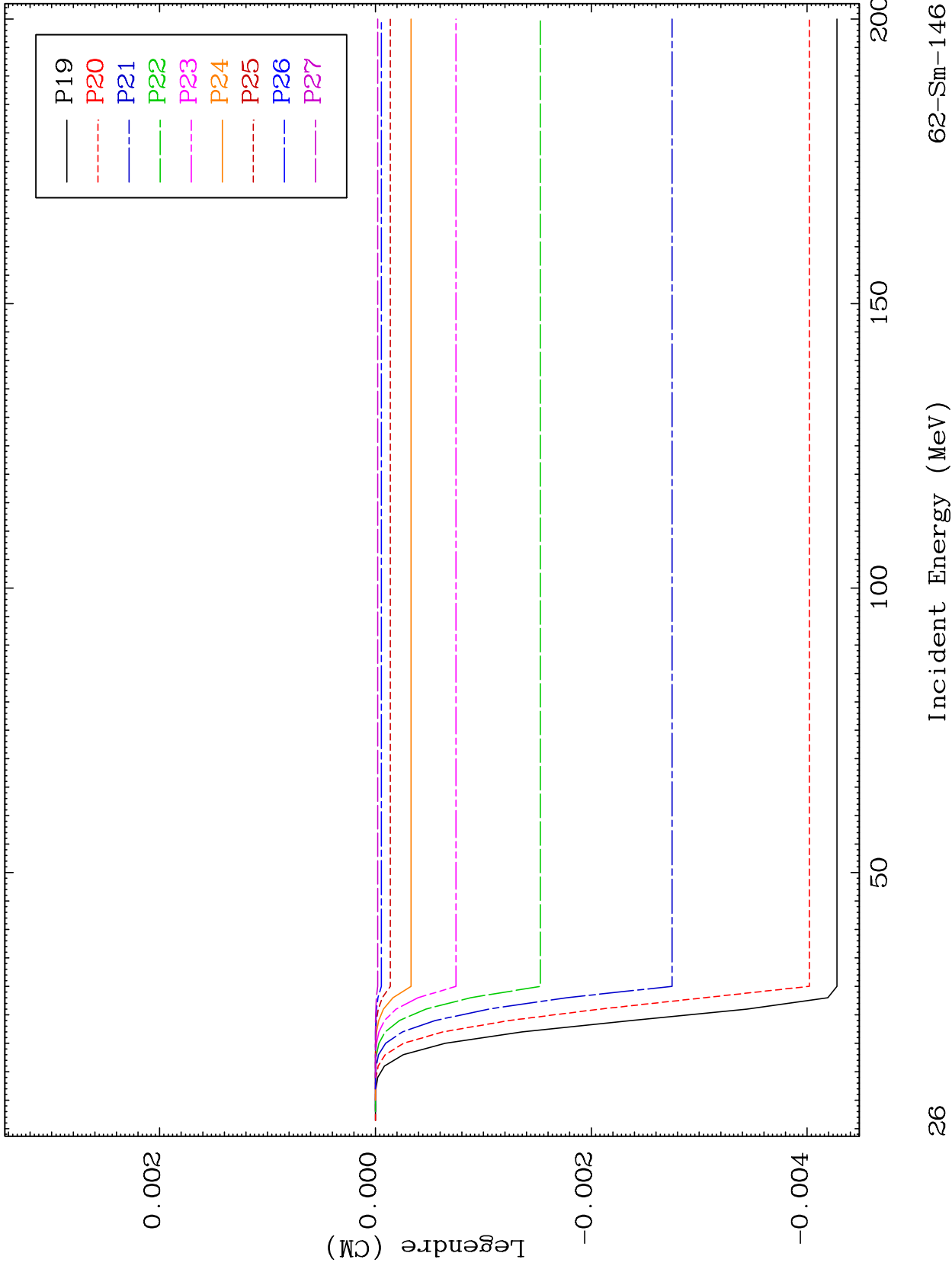
62-Sm-146



62-Sm-146

Incident Energy (MeV)

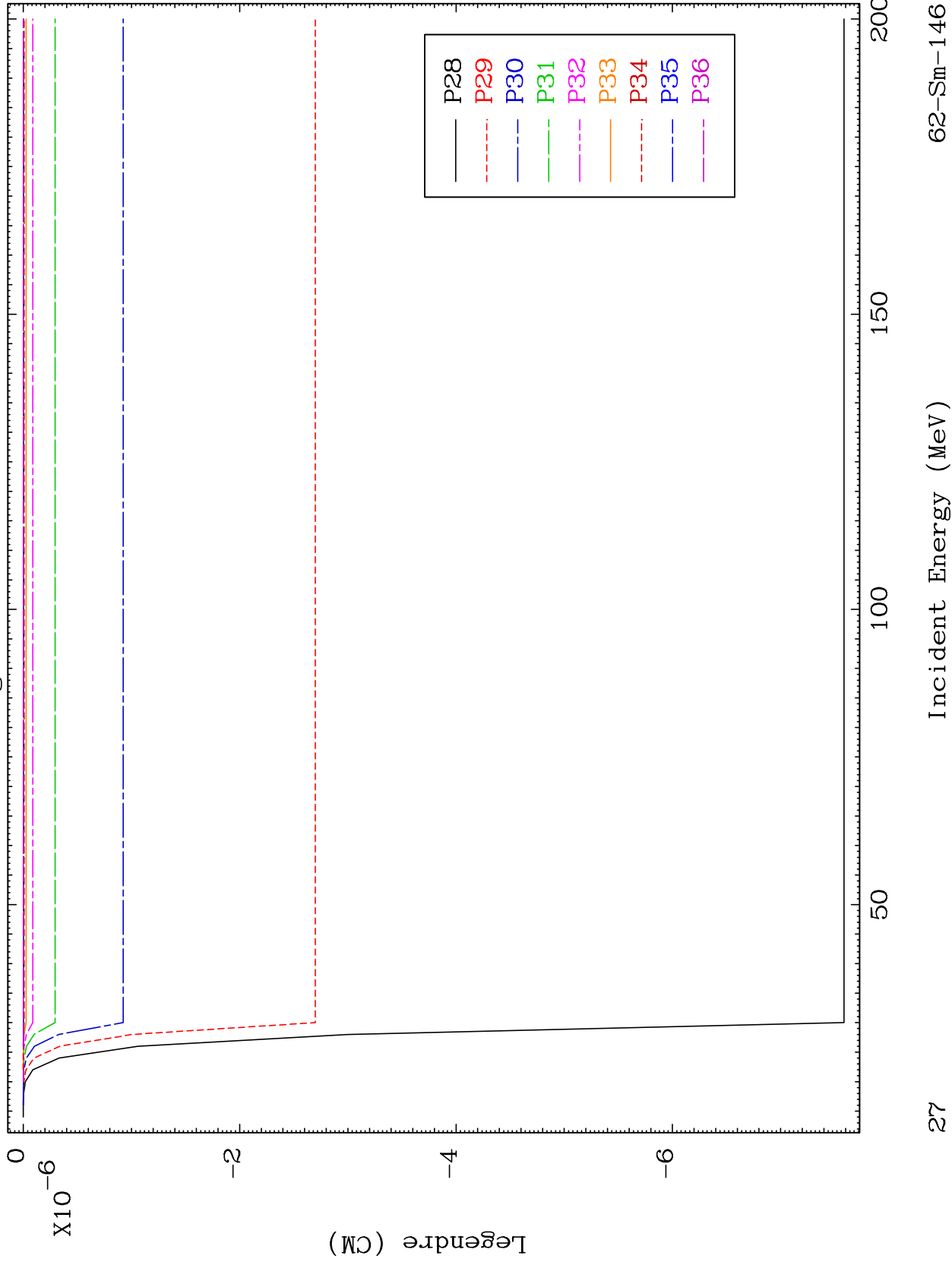
25



MAT 6231

62-Sm-146

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



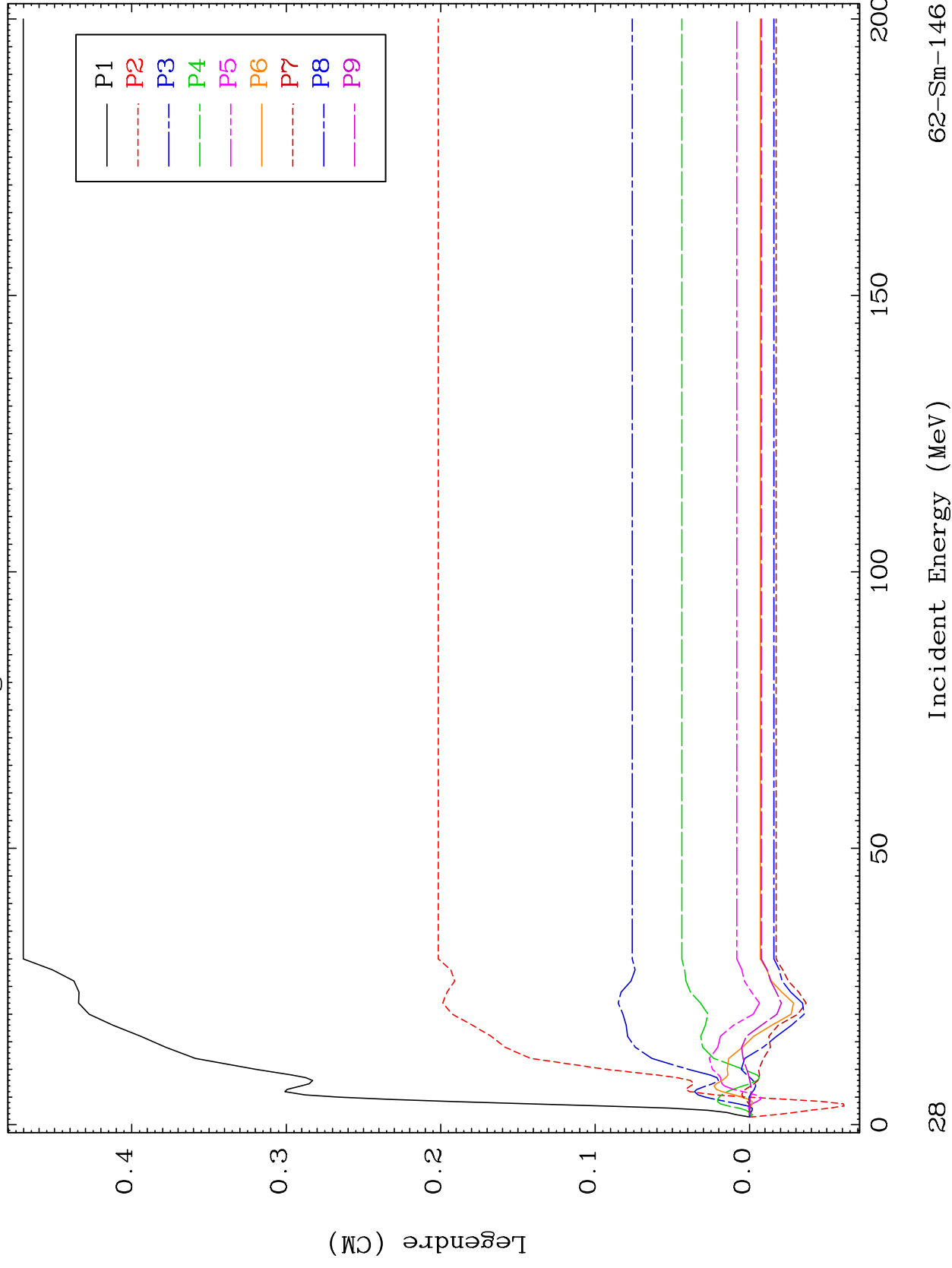
27

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

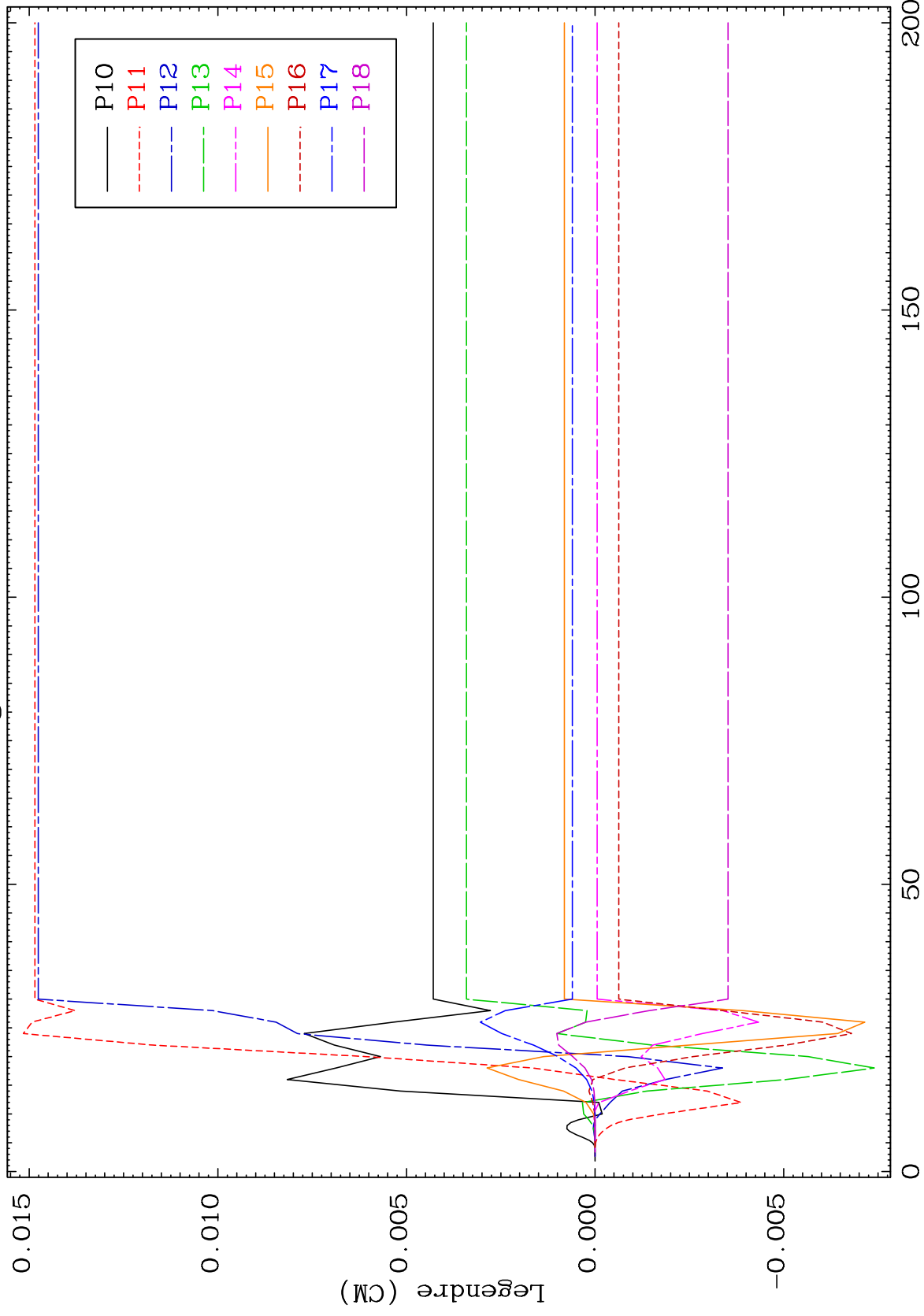
Incident Energy (MeV)

28

MAT 6231

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

62-Sm-146



29

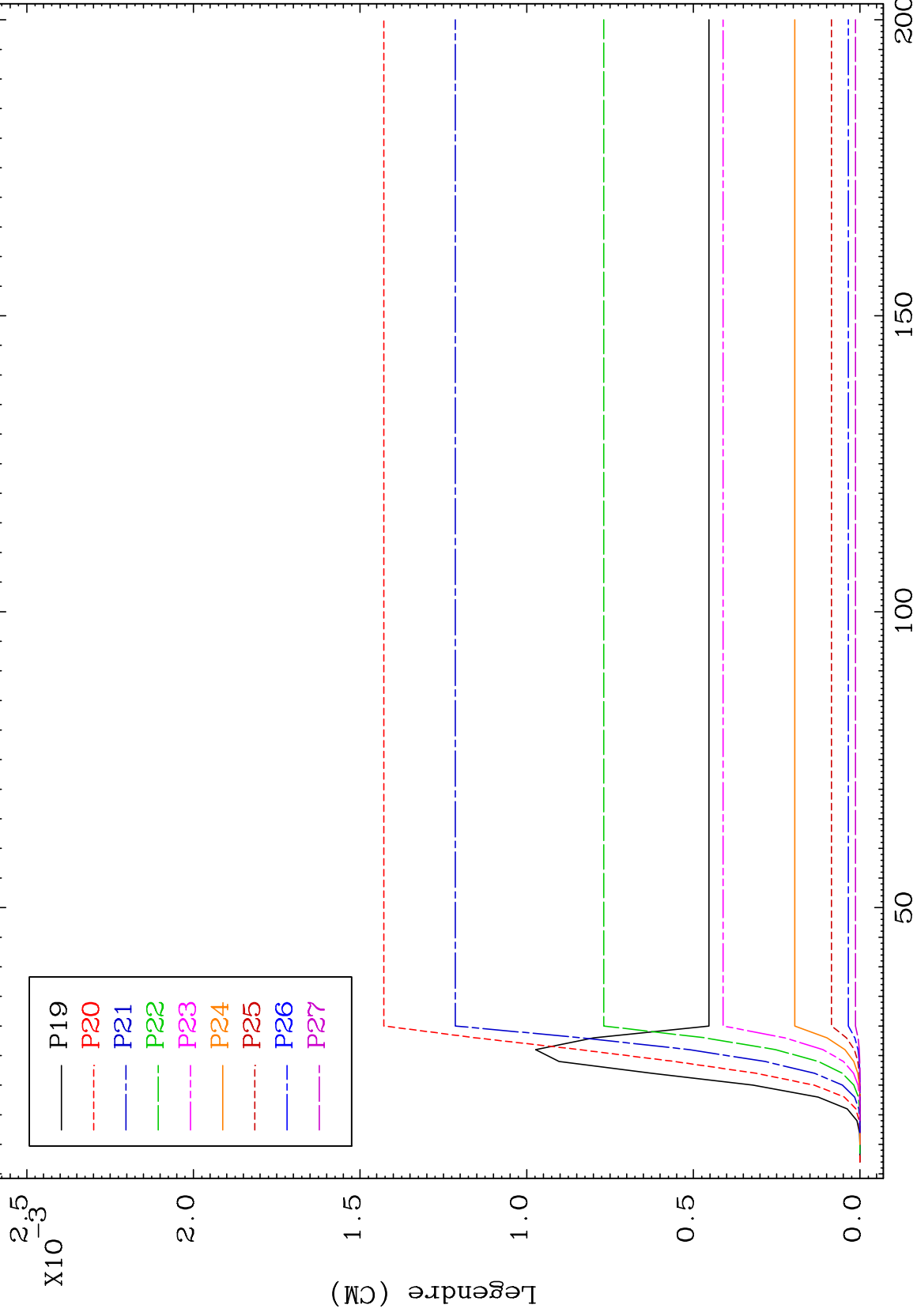
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



30

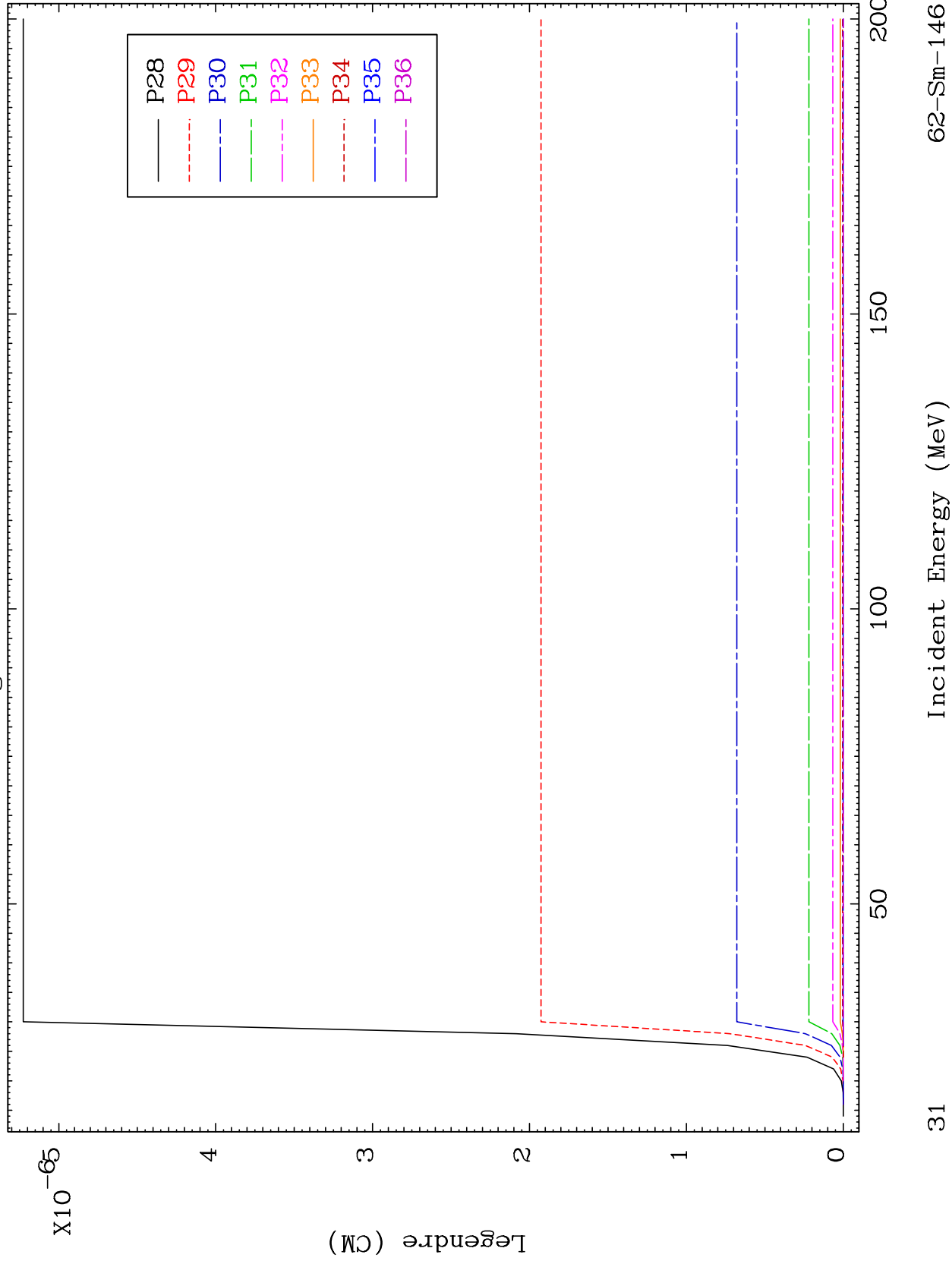
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

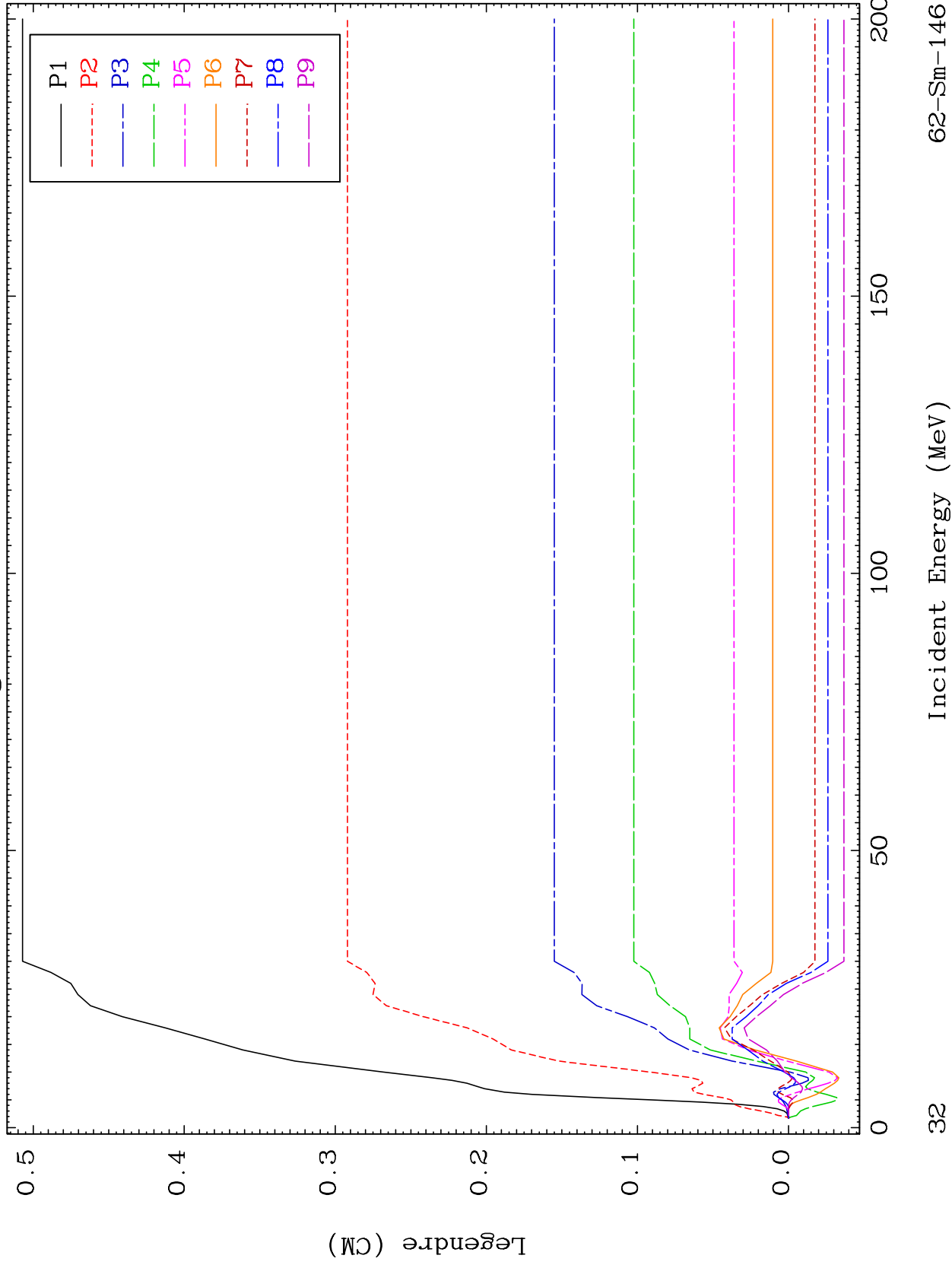
62-Sm-146



MAT 6231

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

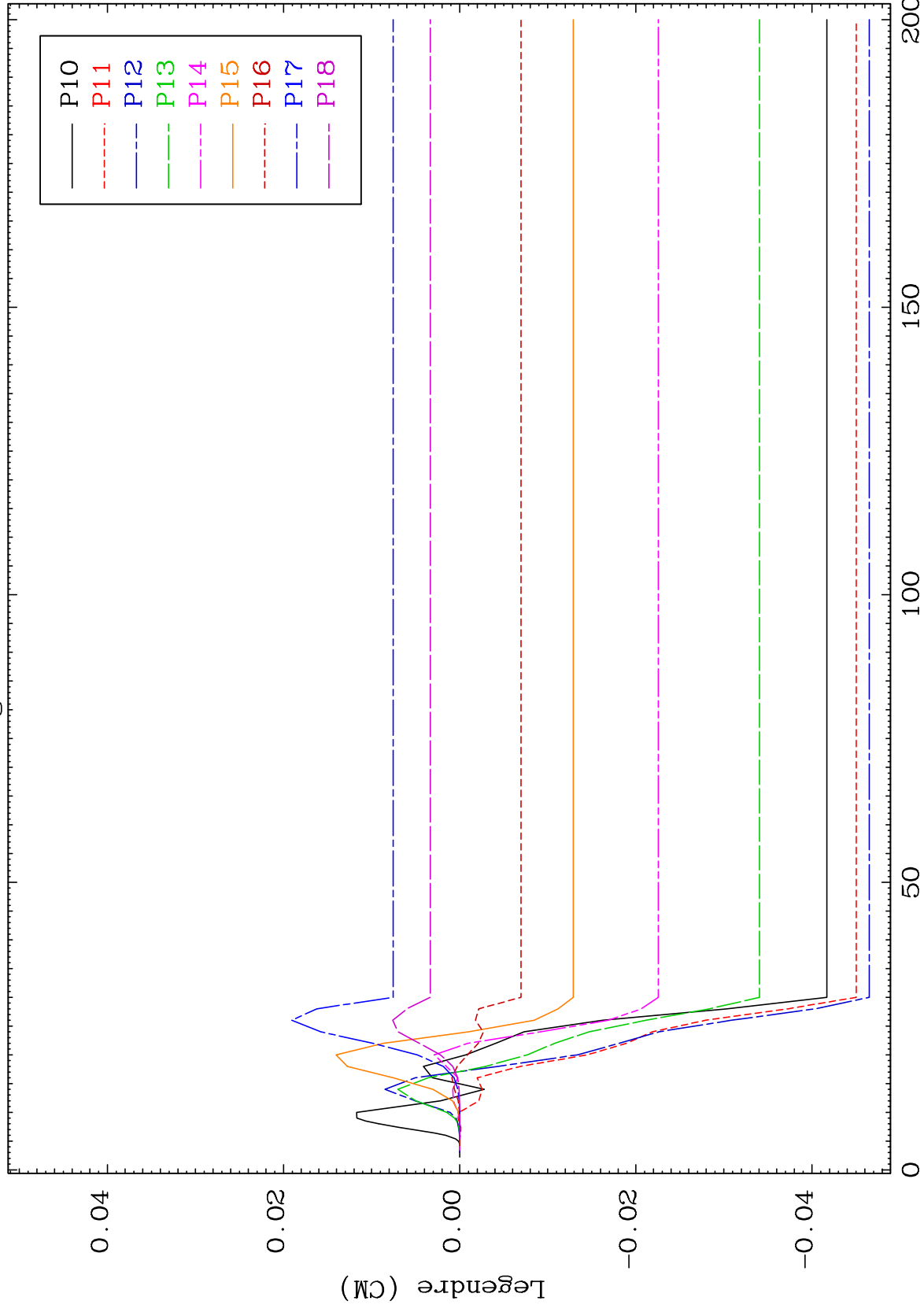
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MAT 6231

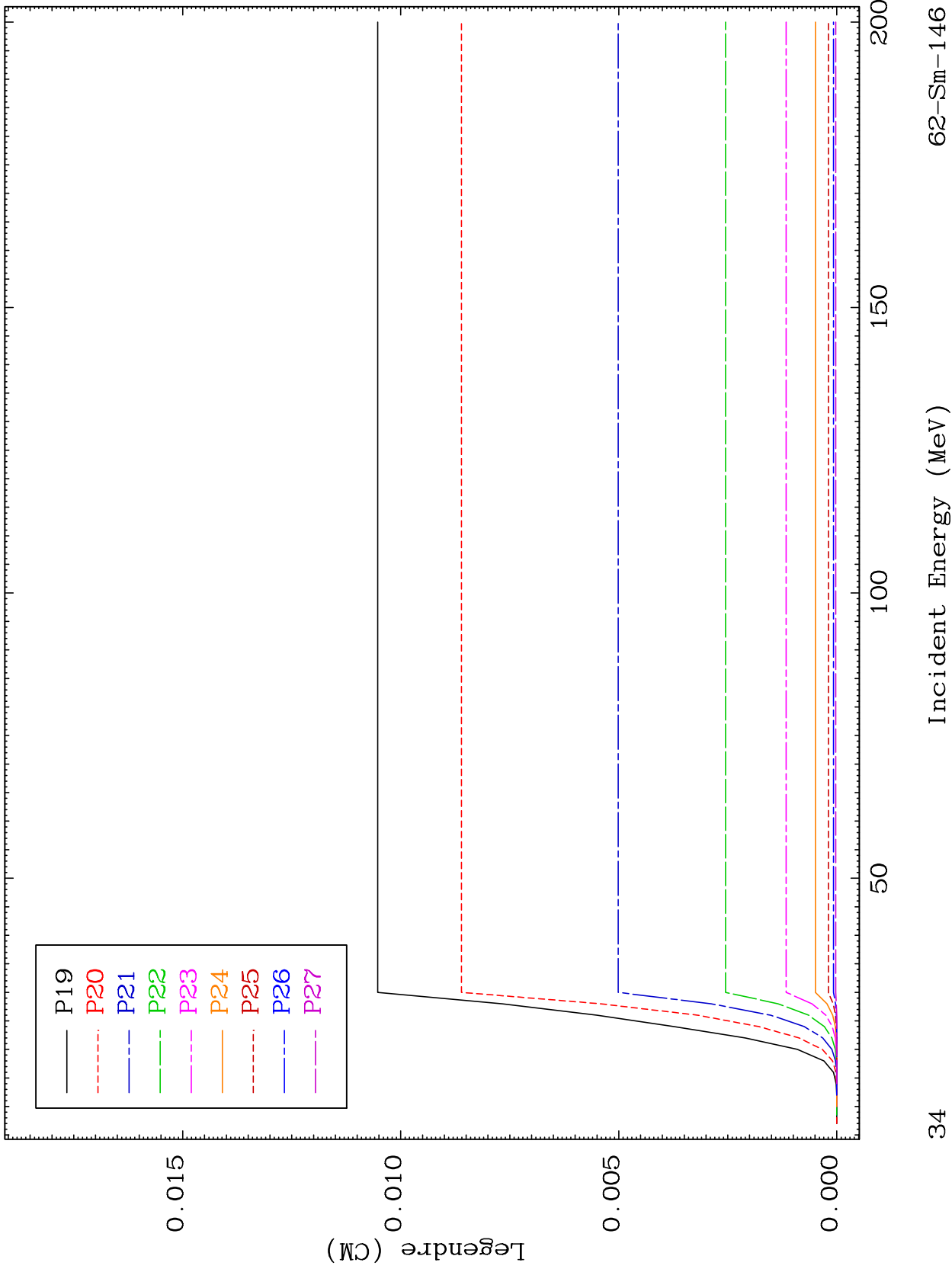
MT= 54 (n,n') Level
Legendre Coefficients

62-Sm-146



33

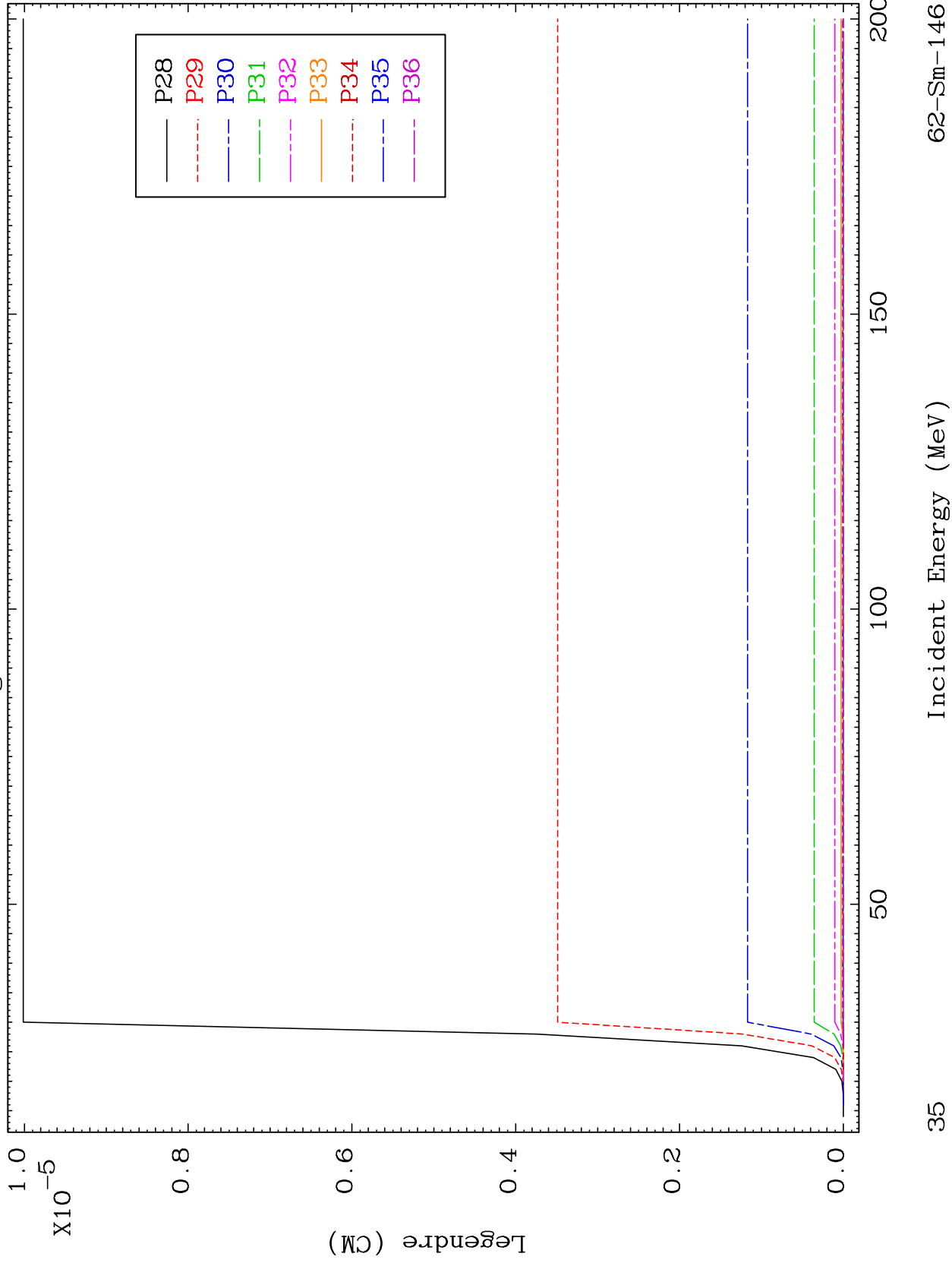
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MAT 6231

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

62-Sm-146



35

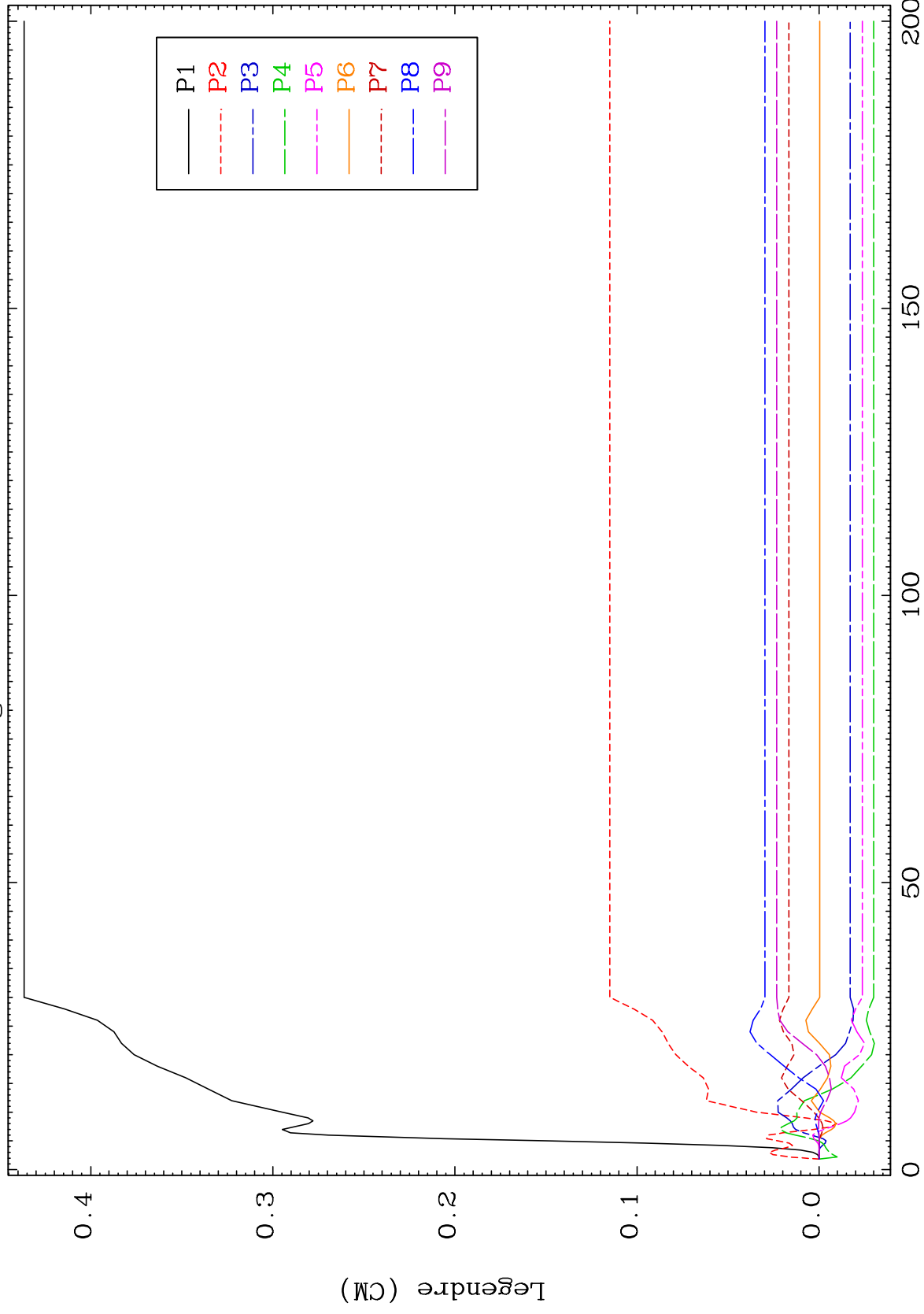
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



36

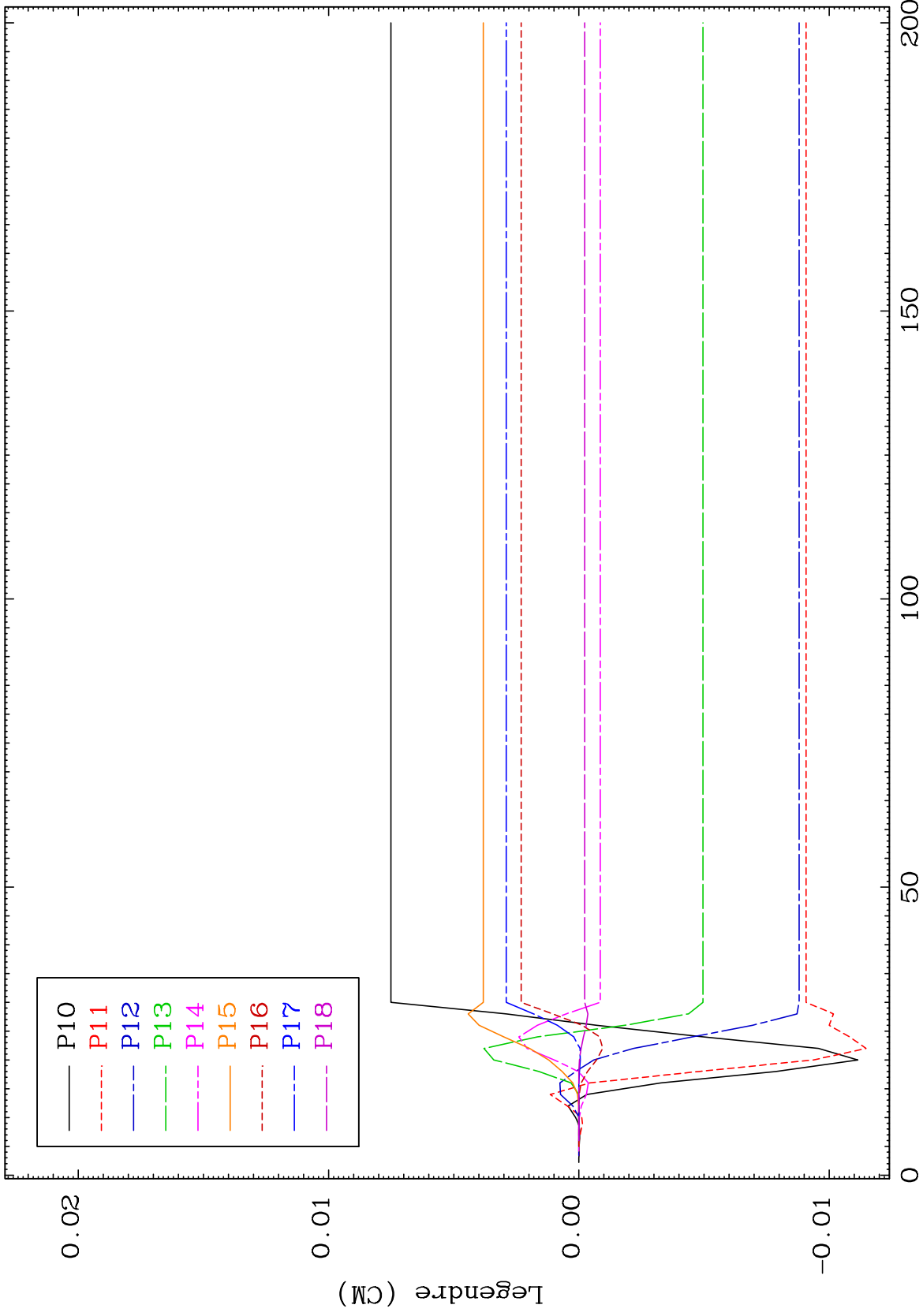
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

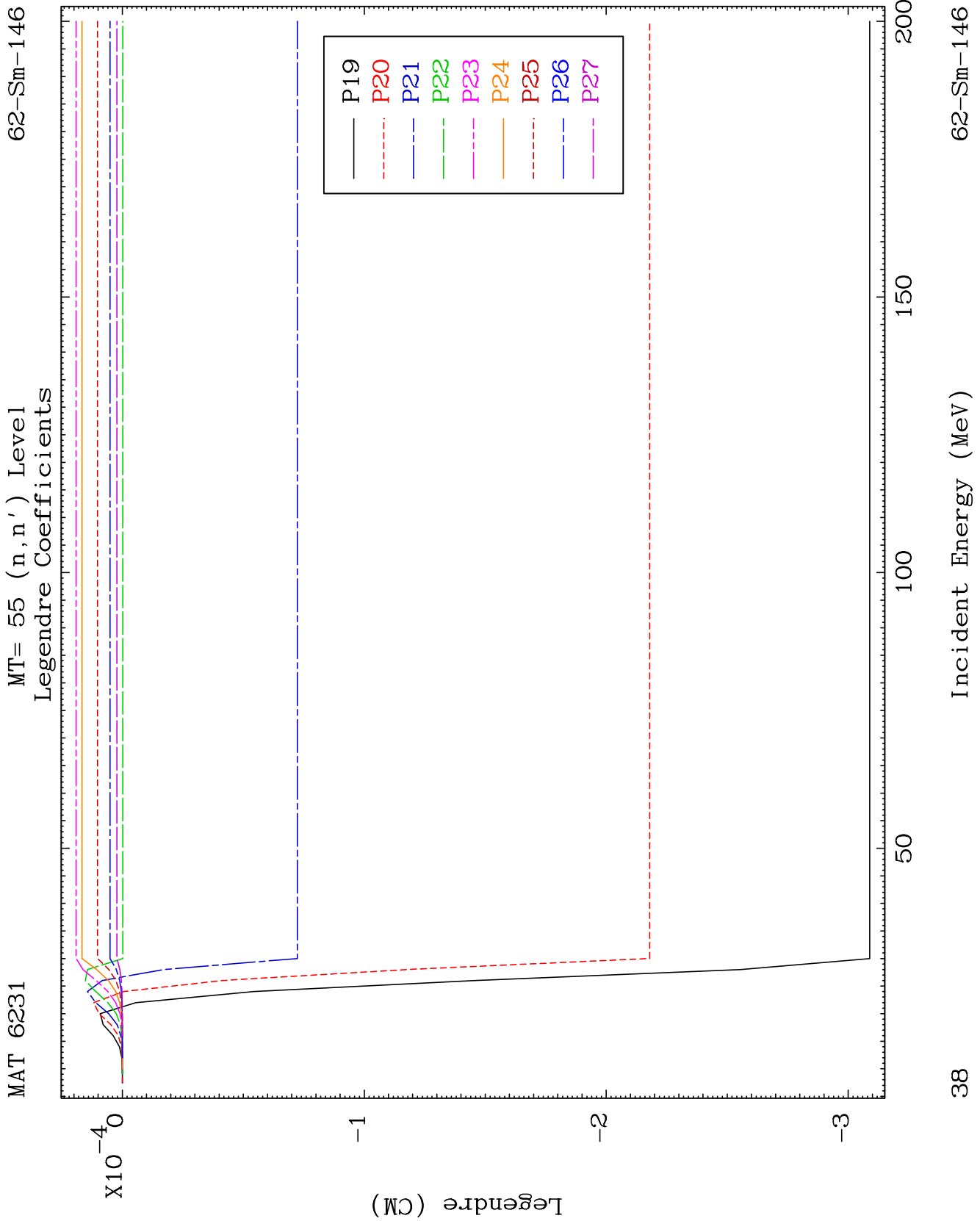
62-Sm-146



37

Incident Energy (MeV)

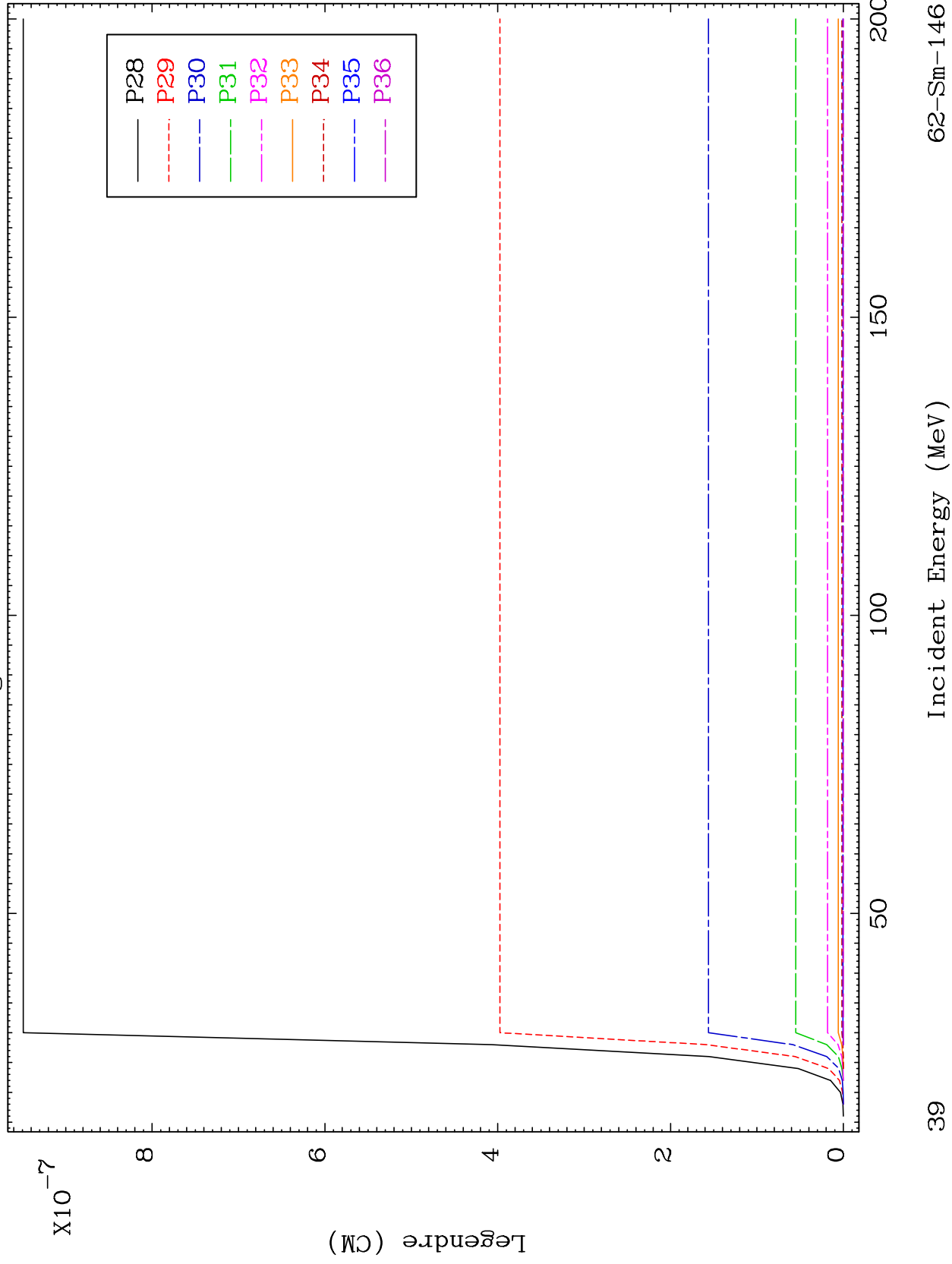
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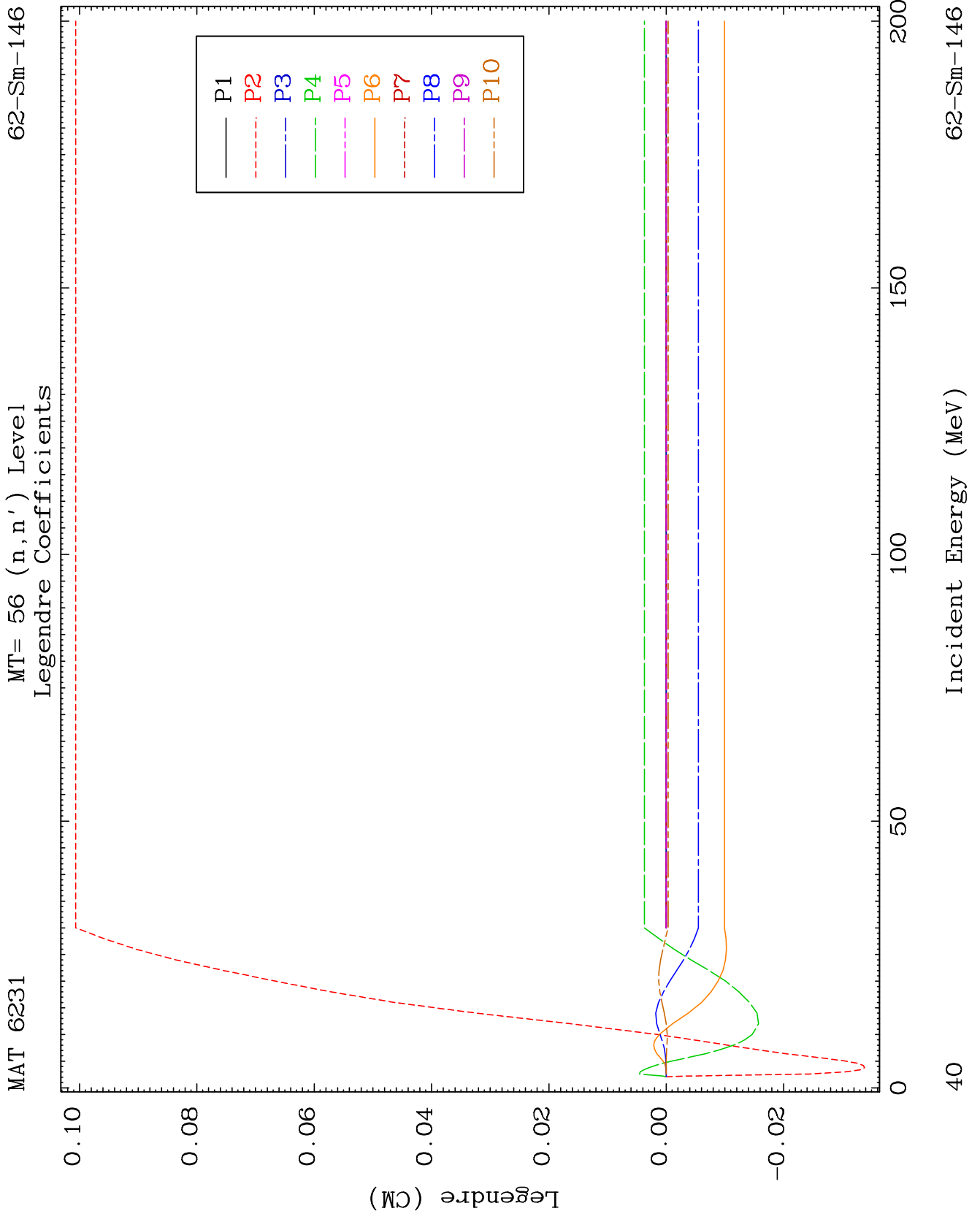


MAT 6231

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

62-Sm-146

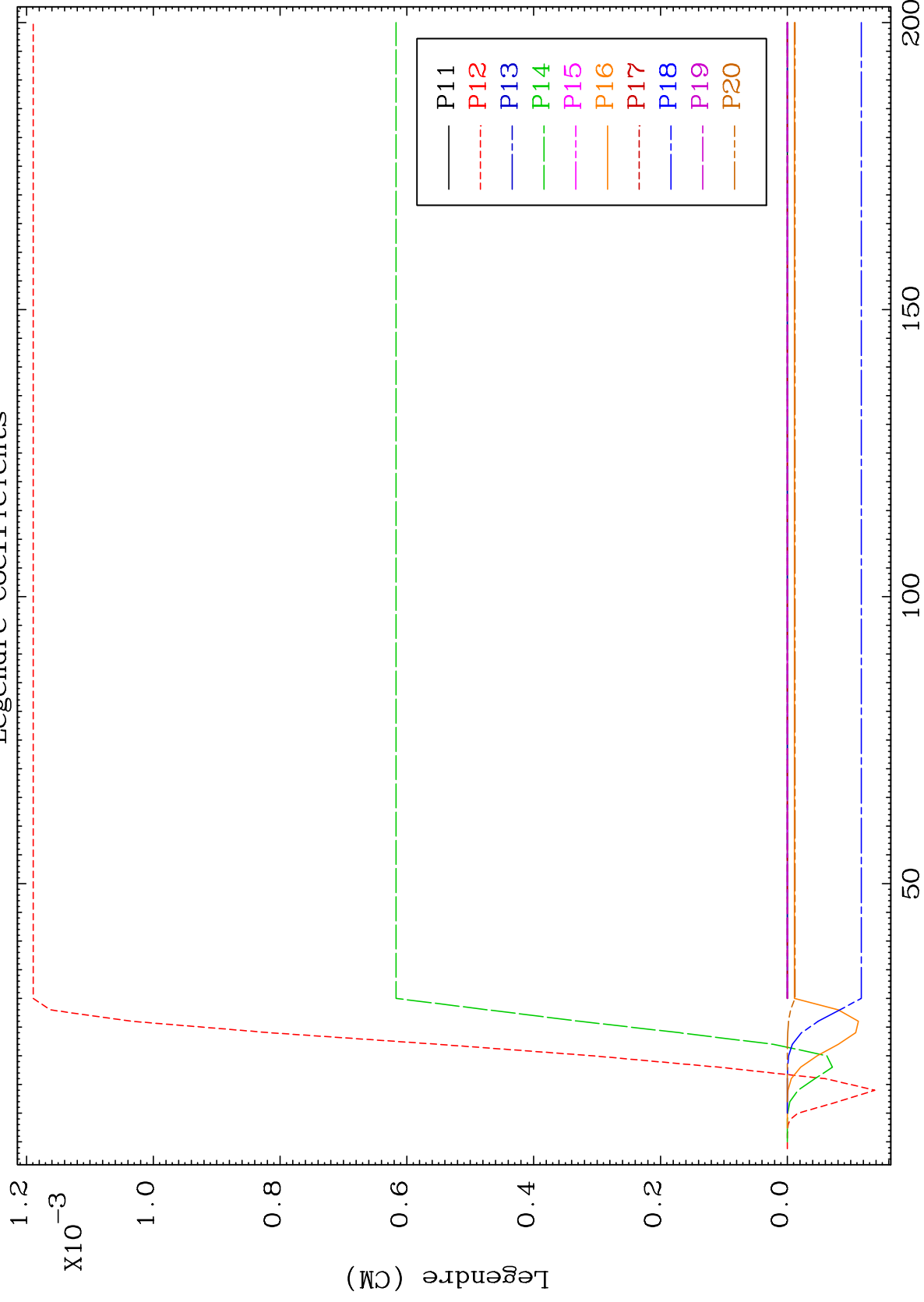




MAT 6231

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

62-Sm-146



41

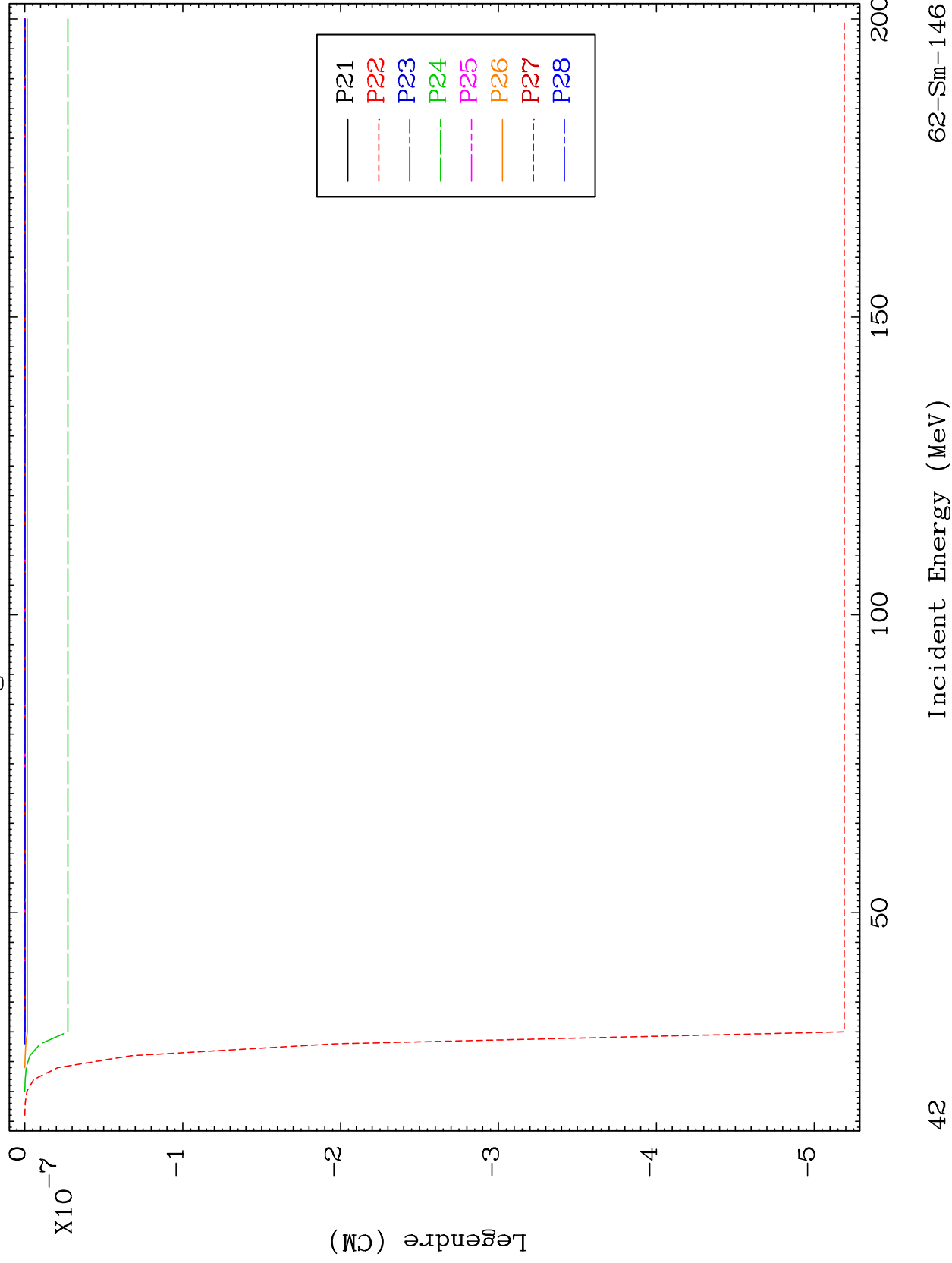
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



42

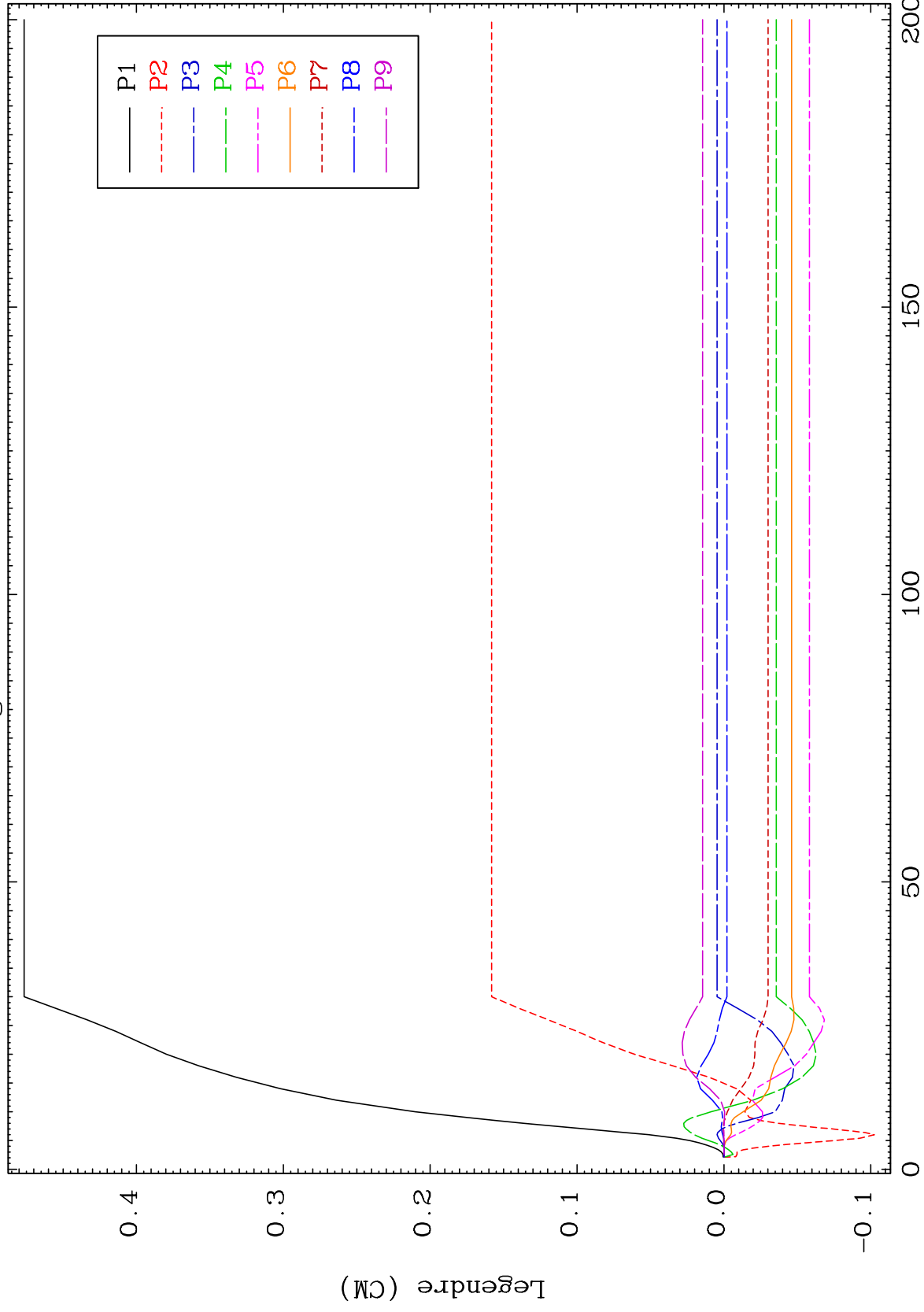
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

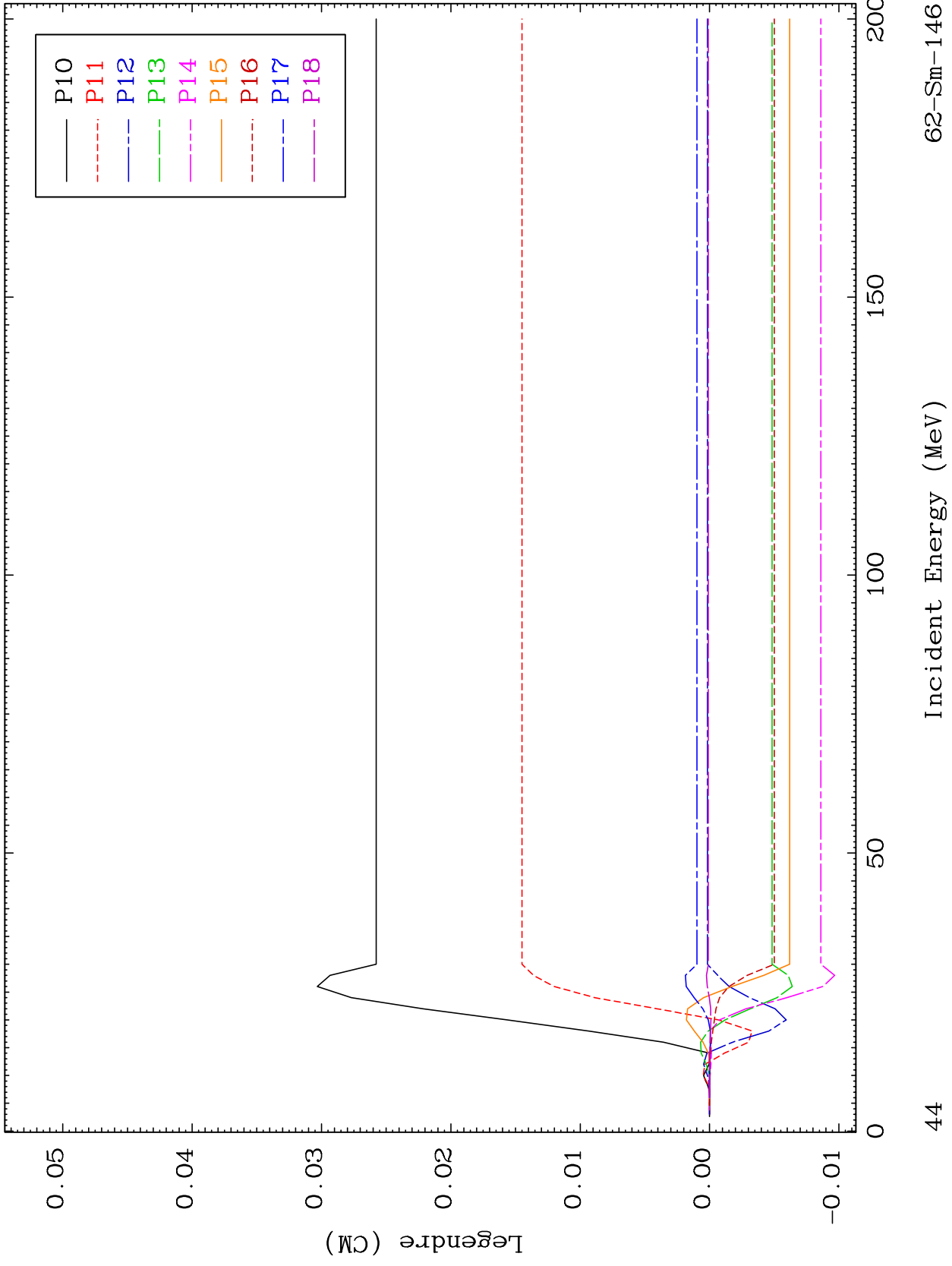
Incident Energy (MeV)

43

MAT 6231

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

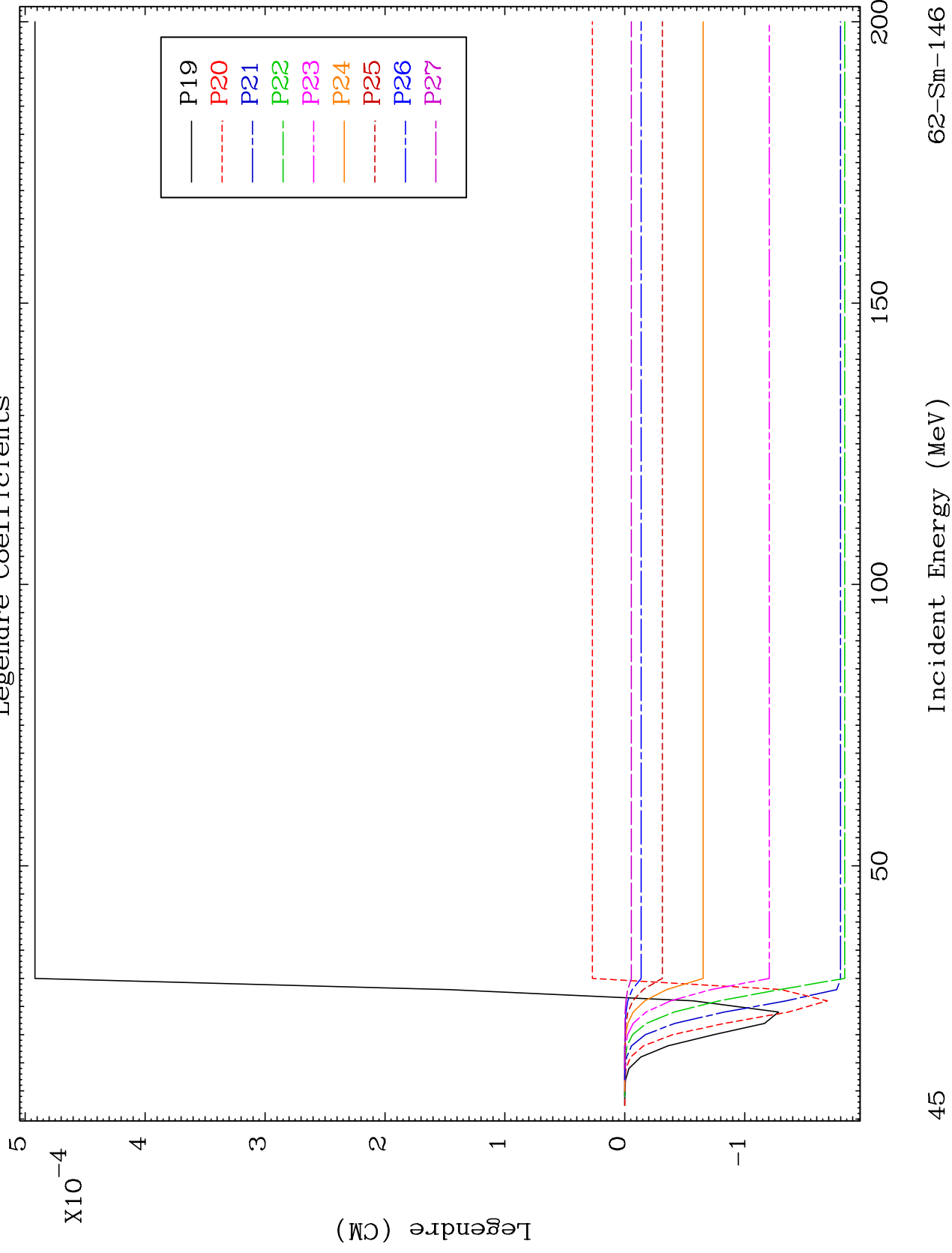
62-Sm-146



MAT 6231

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

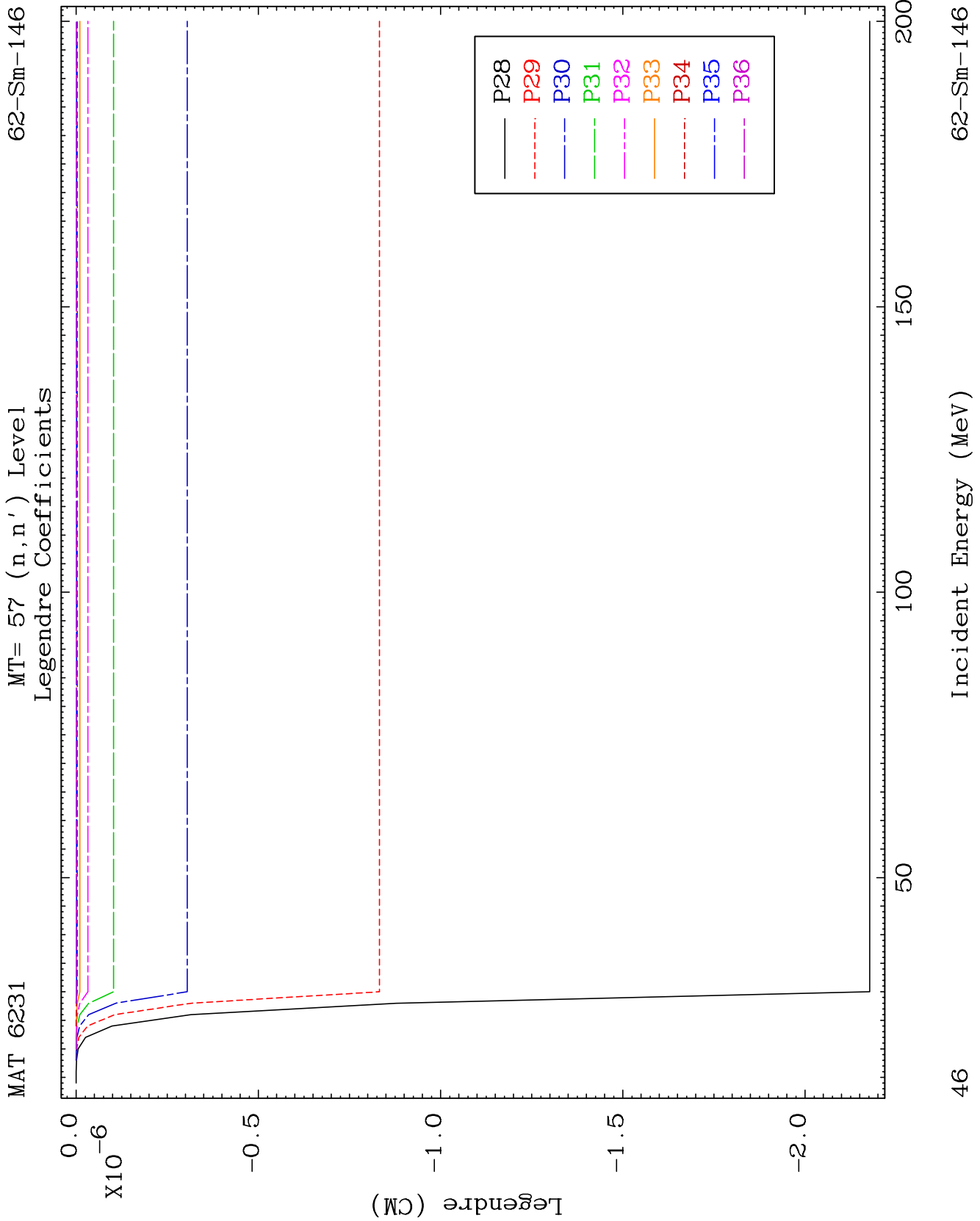
62-Sm-146



45

Incident Energy (MeV)

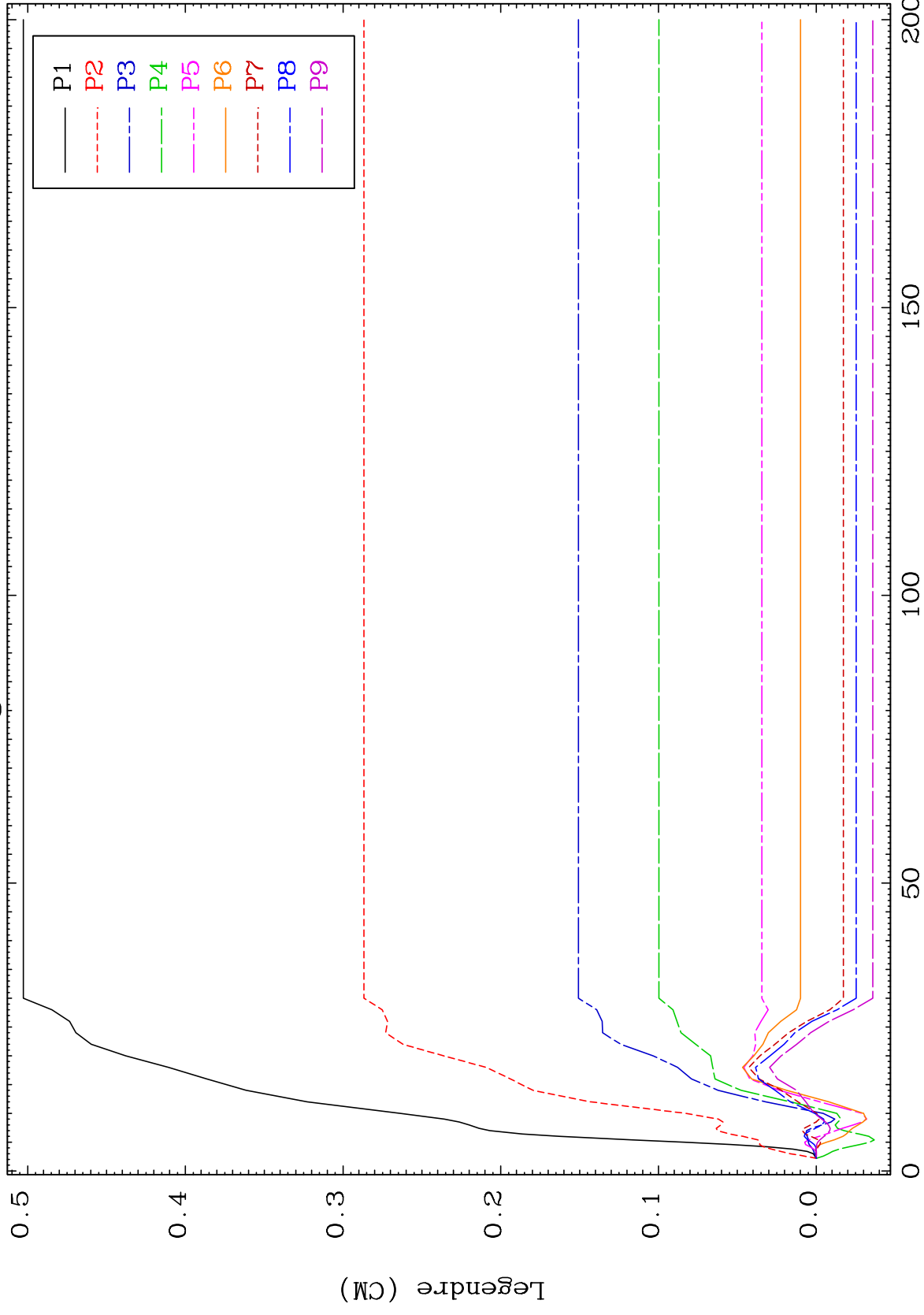
62-Sm-146



MAT 6231

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

62-Sm-146



47

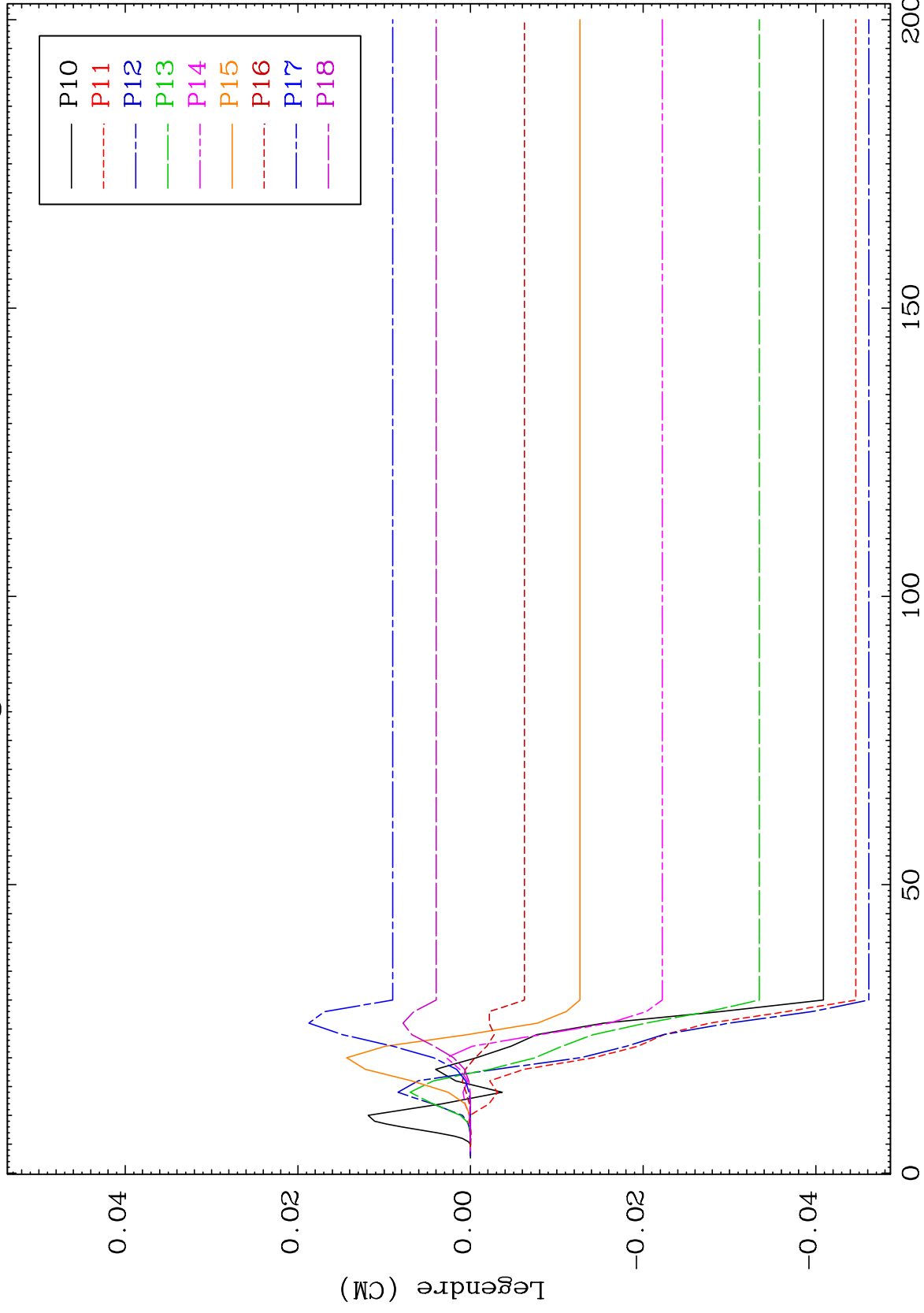
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



48

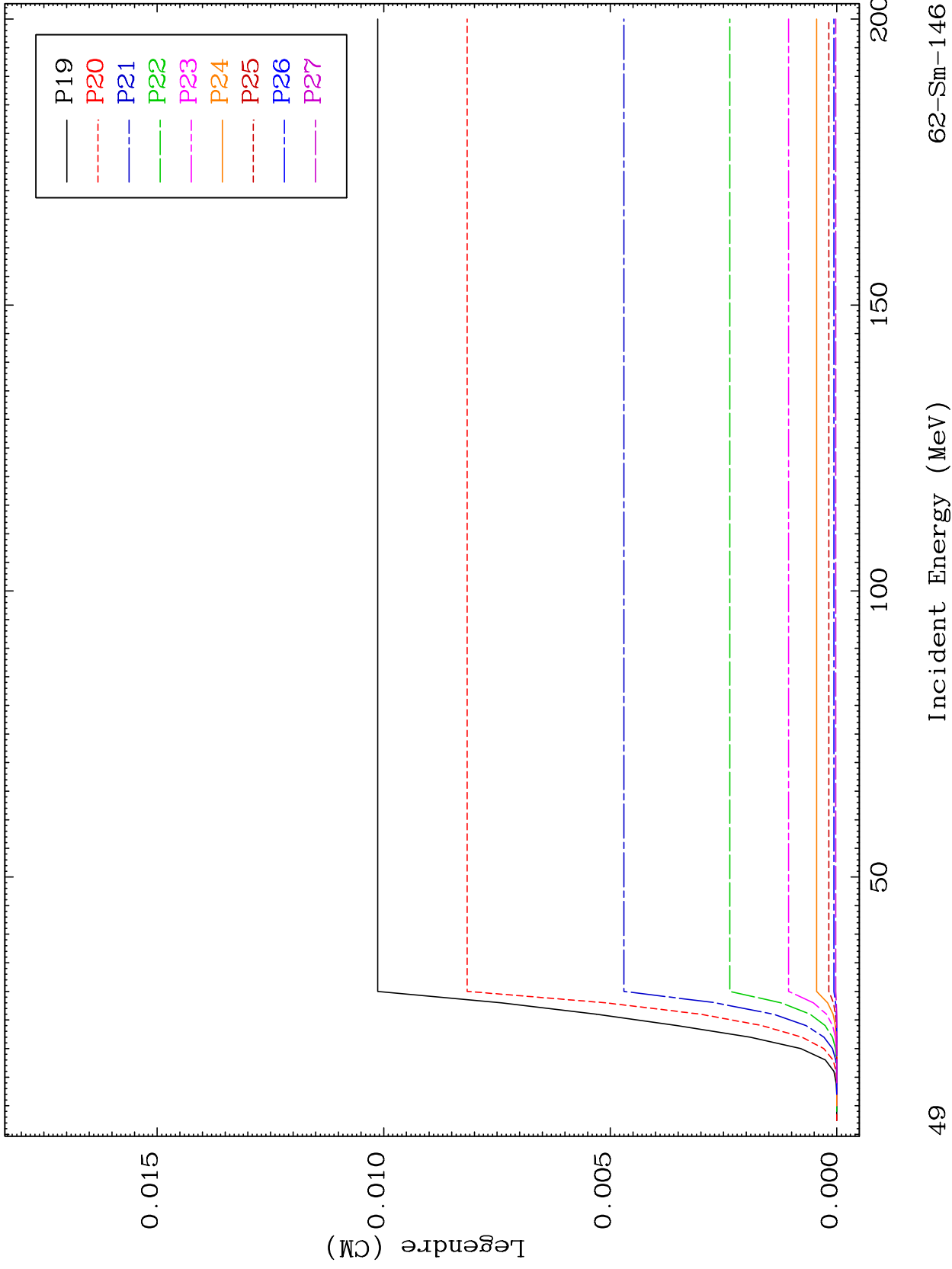
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



49

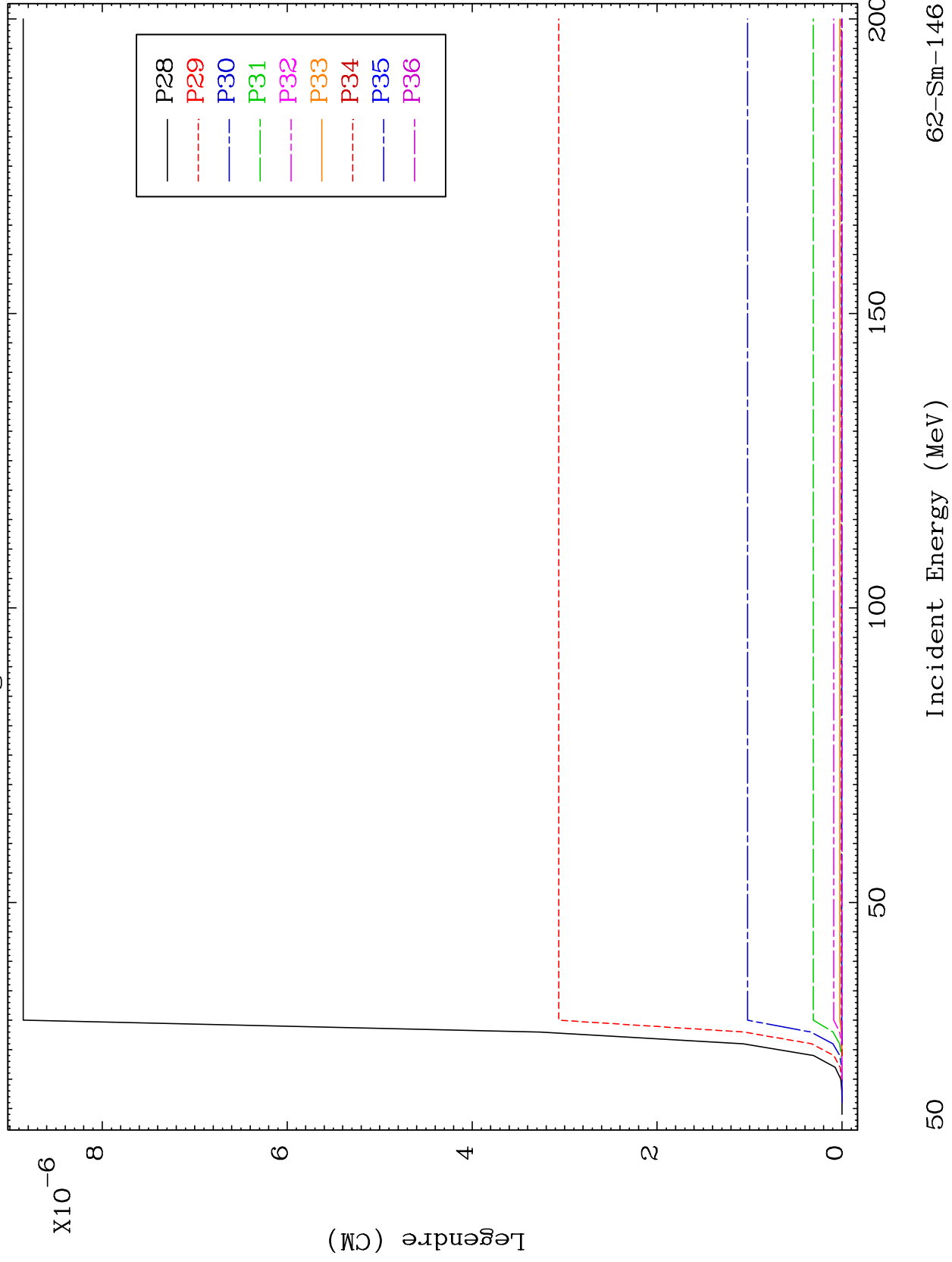
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

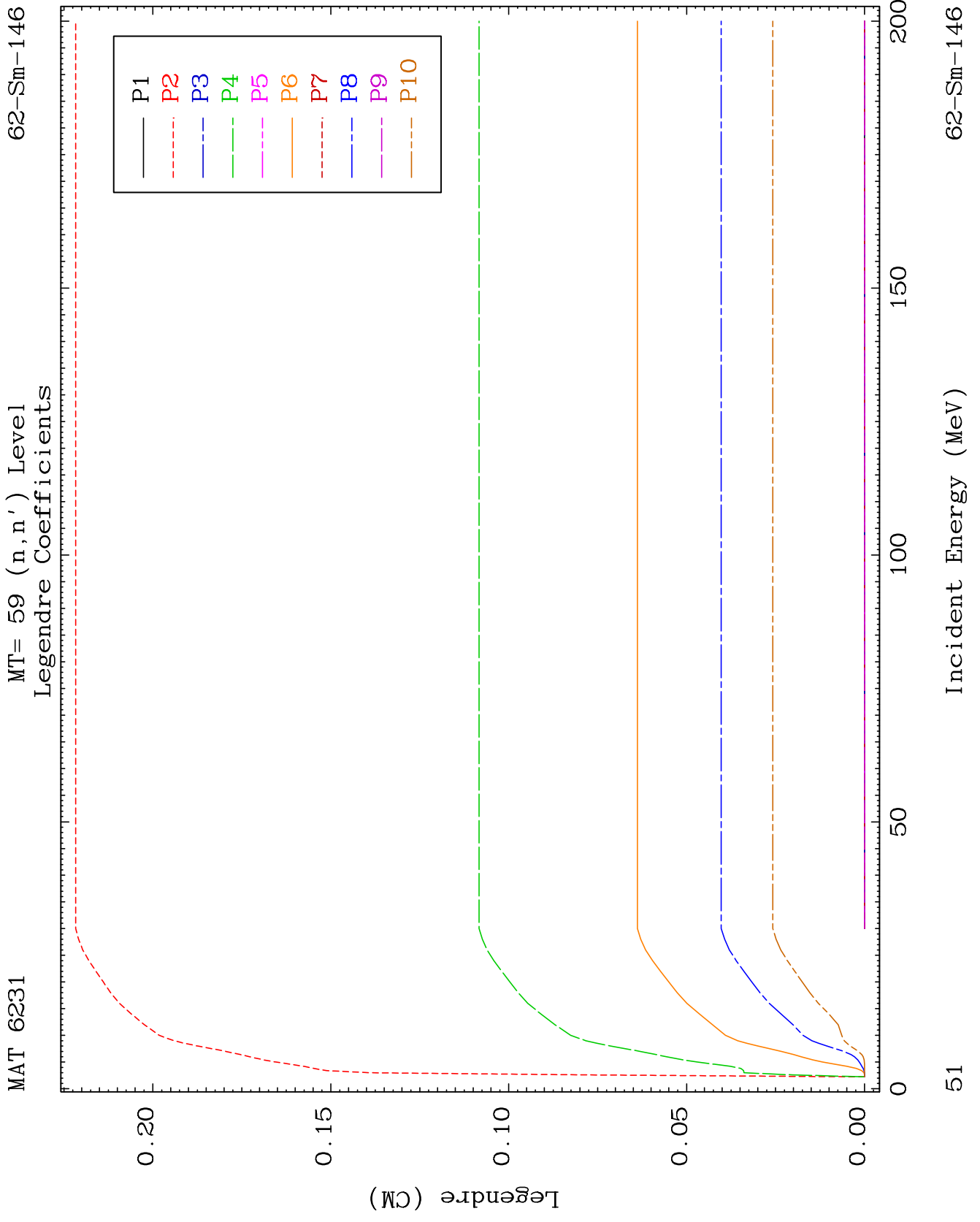
62-Sm-146



62-Sm-146

Incident Energy (MeV)

50

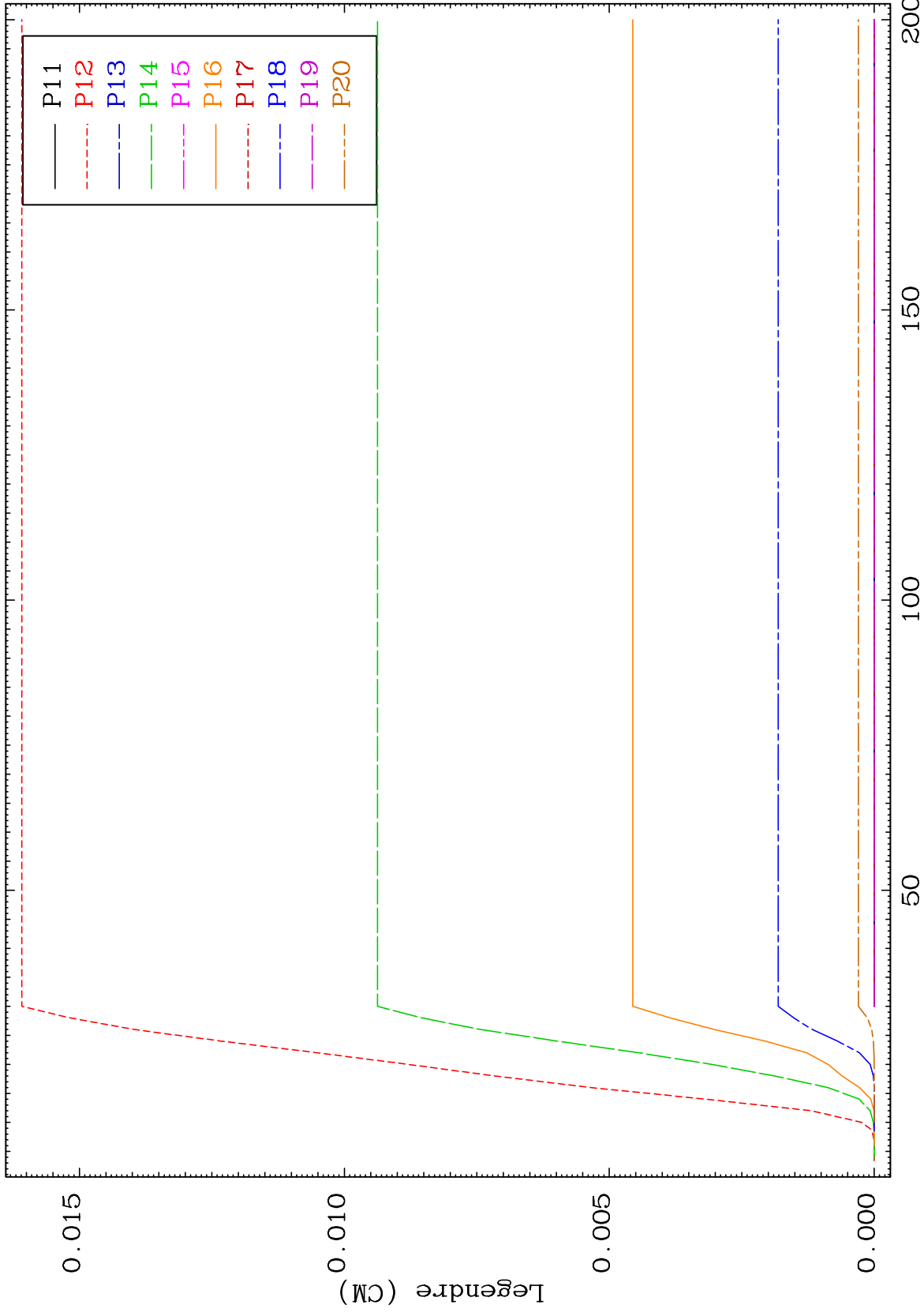


MAT 6231

MT= 59 (n,n') Level

62-Sm-146

Legendre Coefficients



52

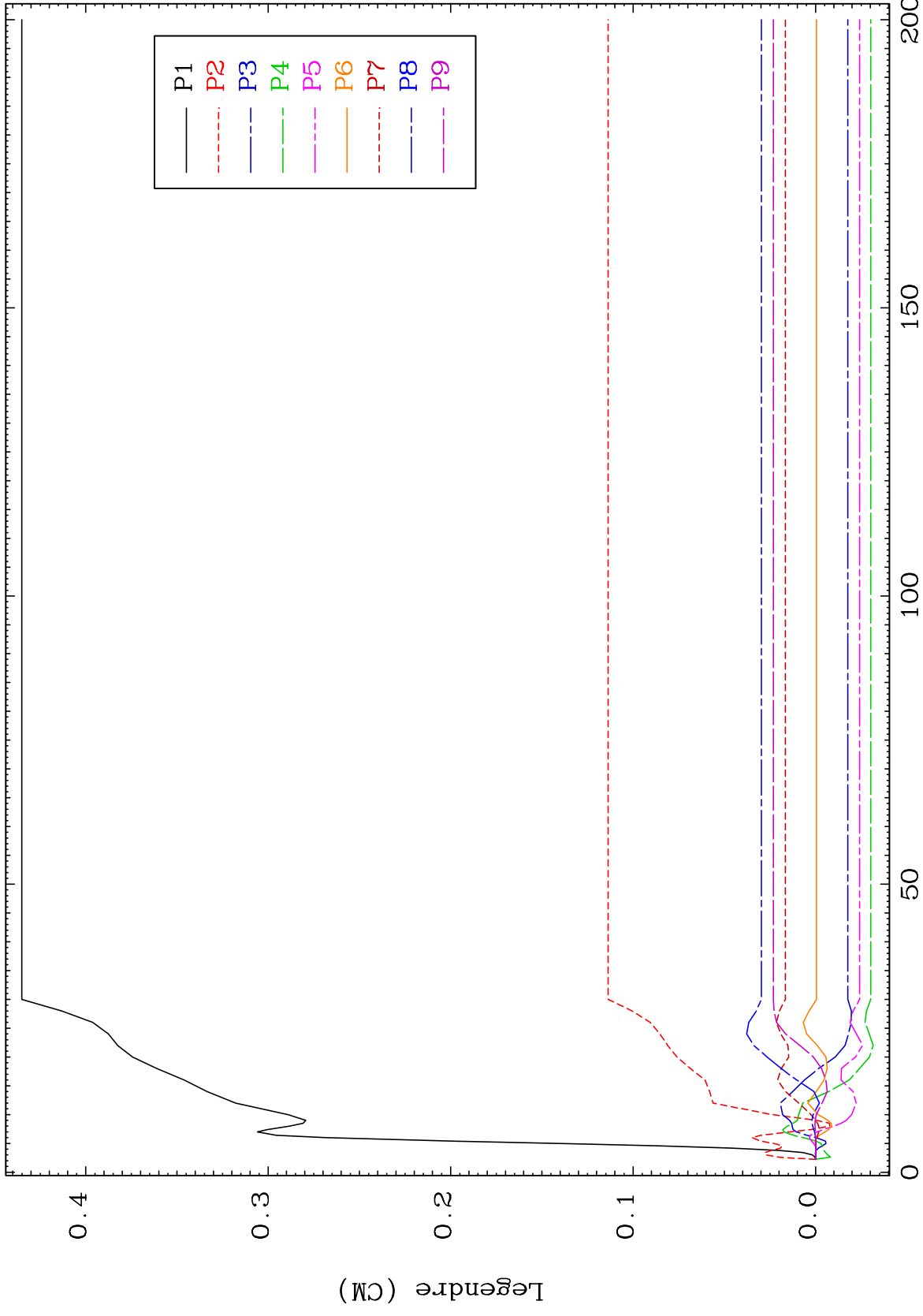
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



54

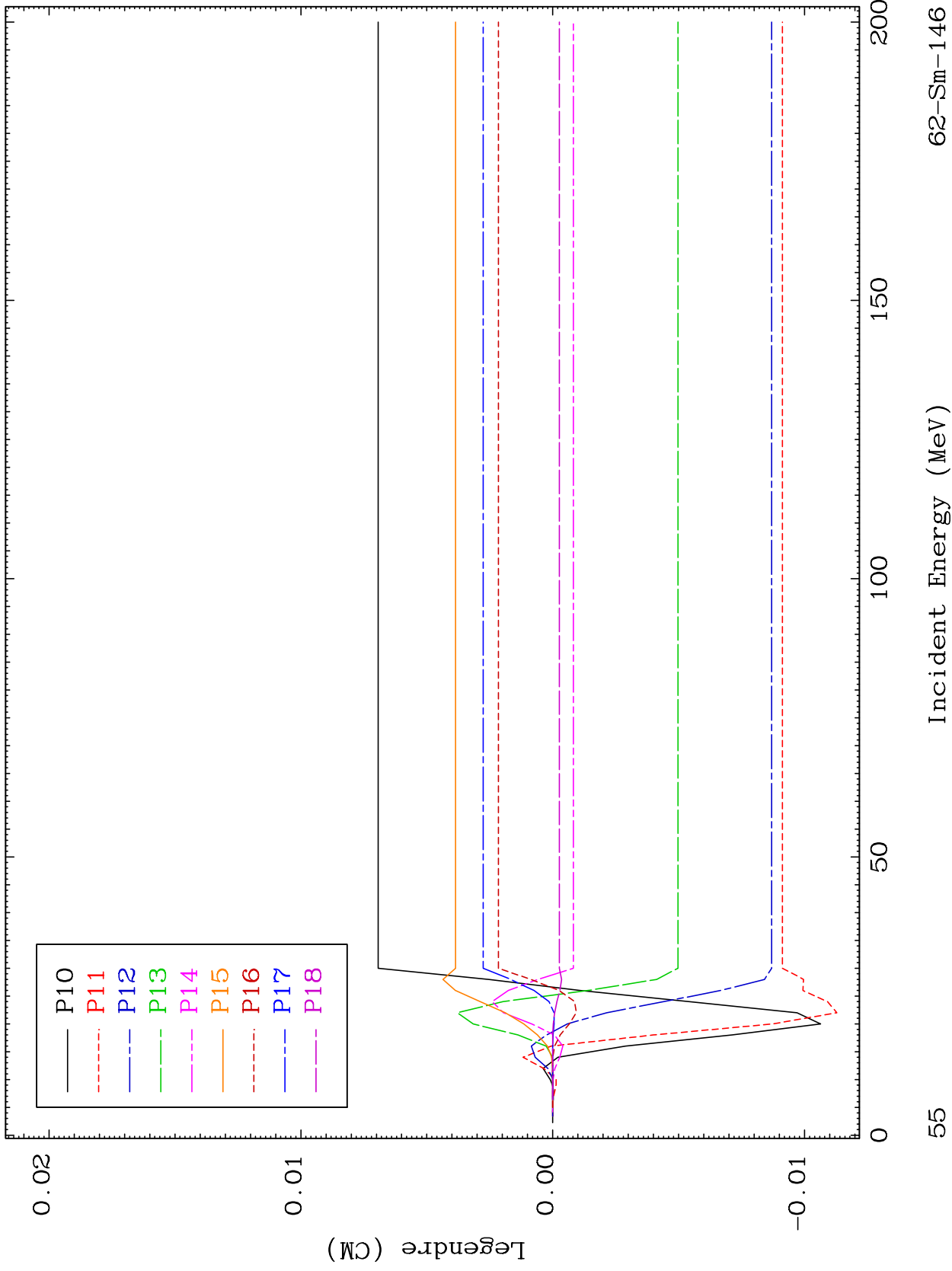
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

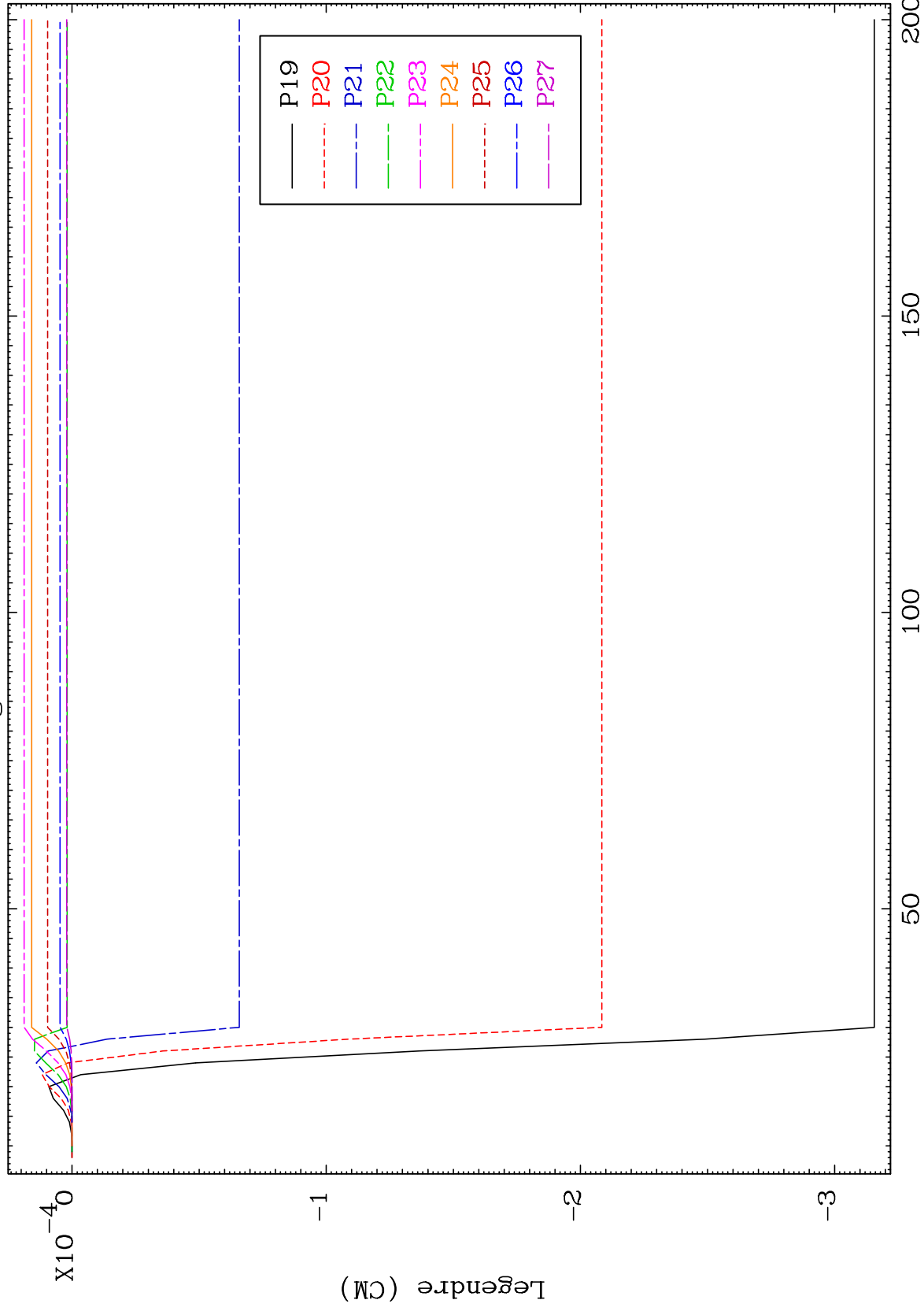
Incident Energy (MeV)

55

MAT 6231

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

62-Sm-146



56

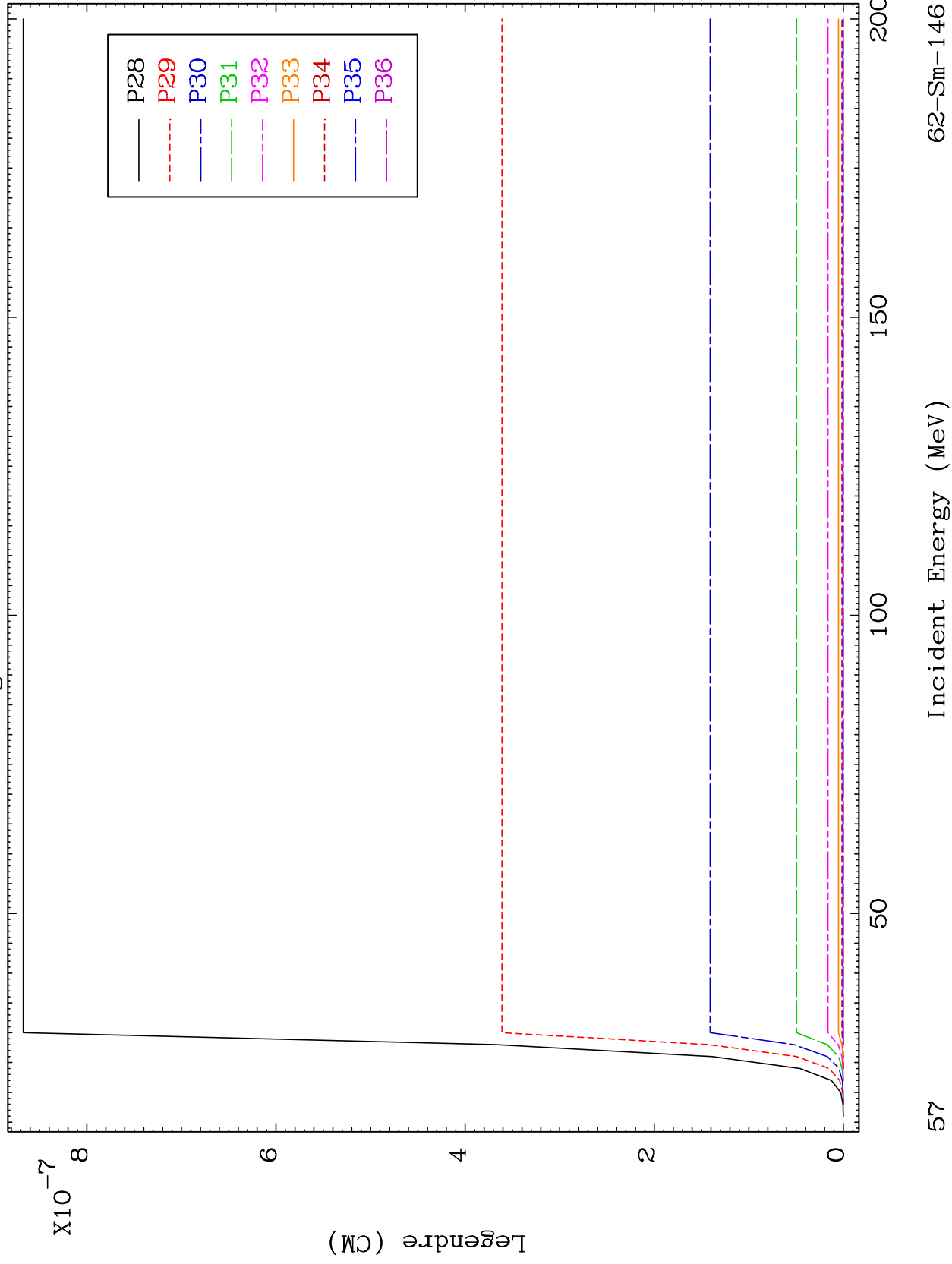
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

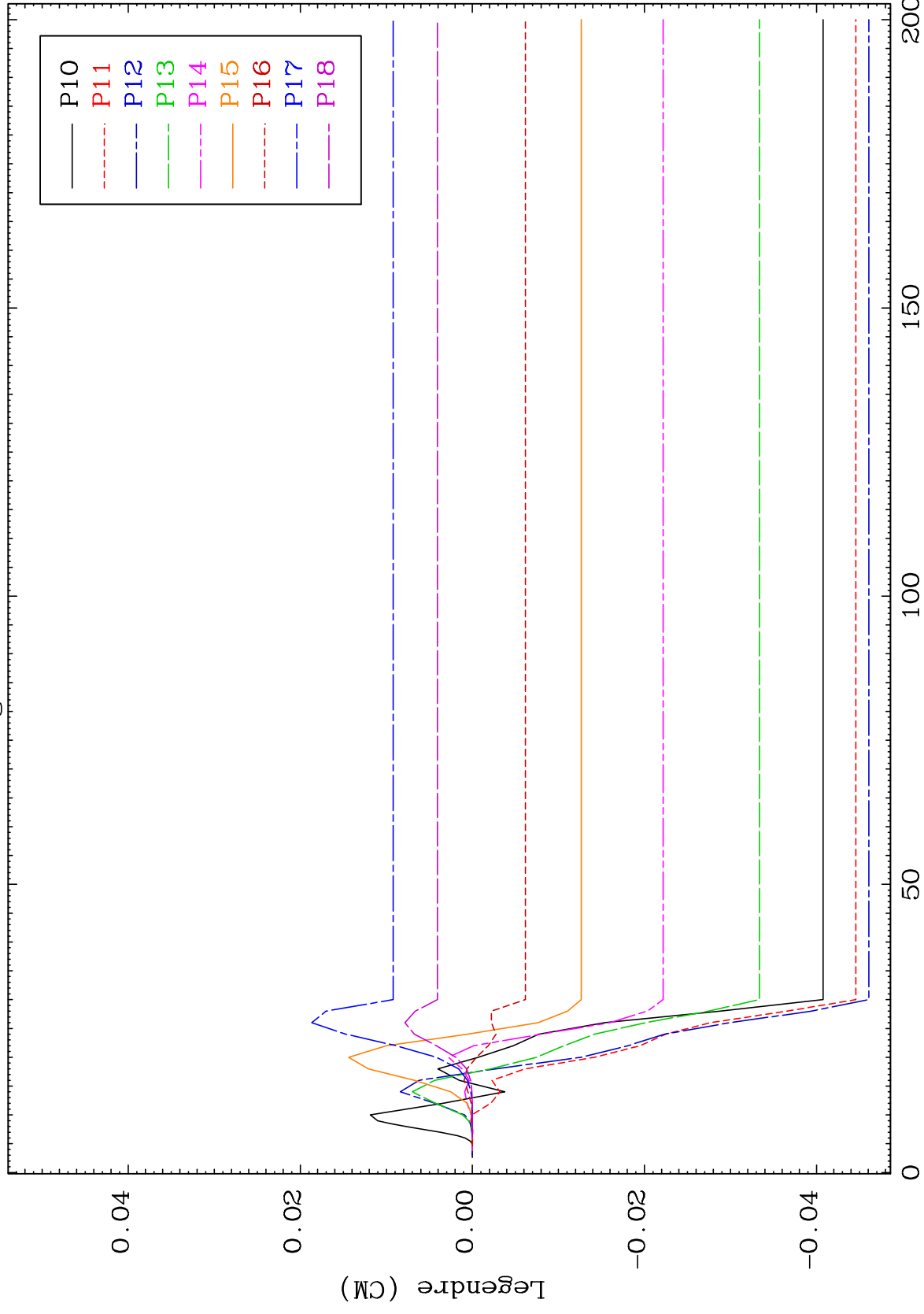
62-Sm-146



MAT 6231

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

62-Sm-146



59

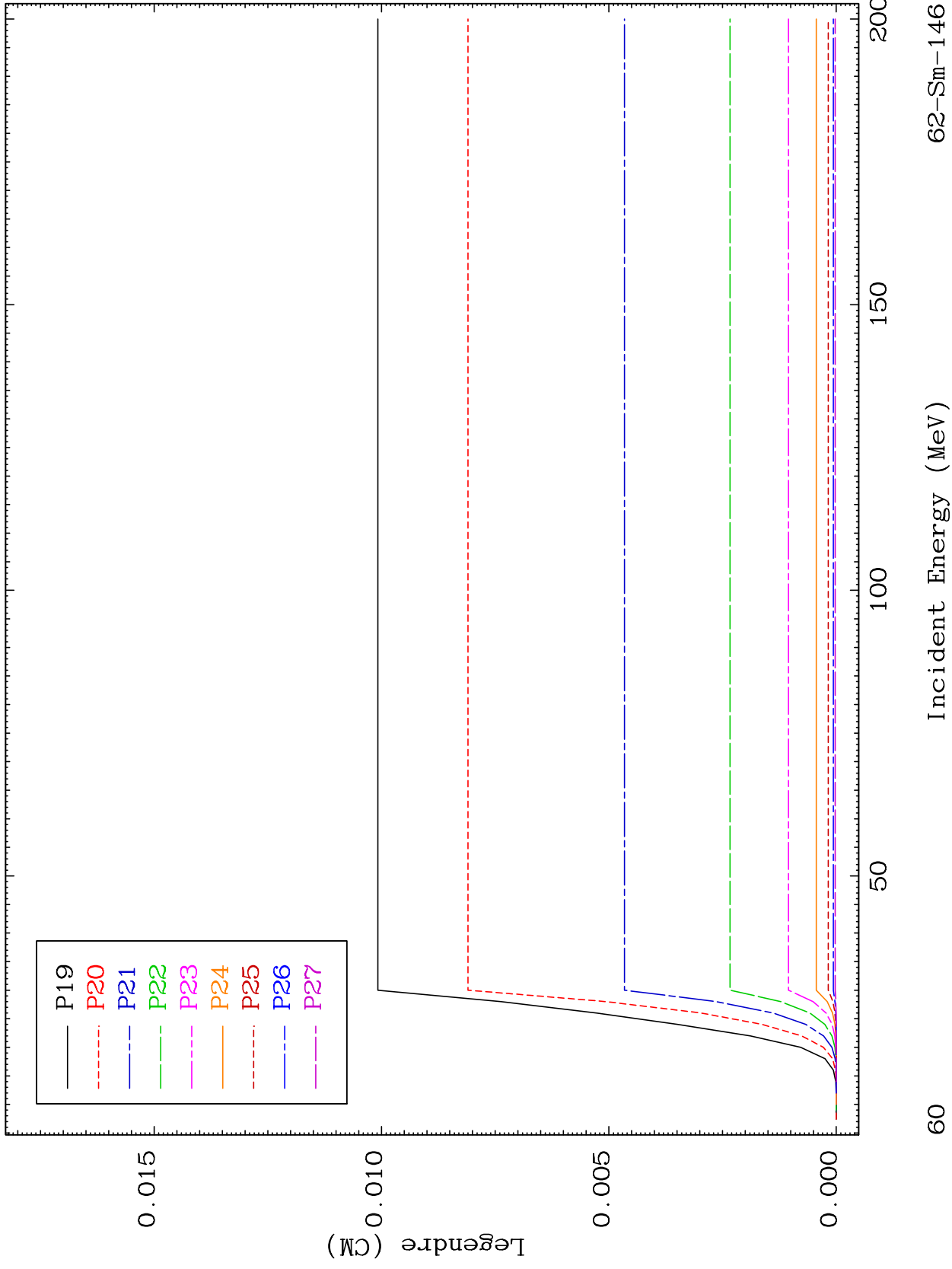
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

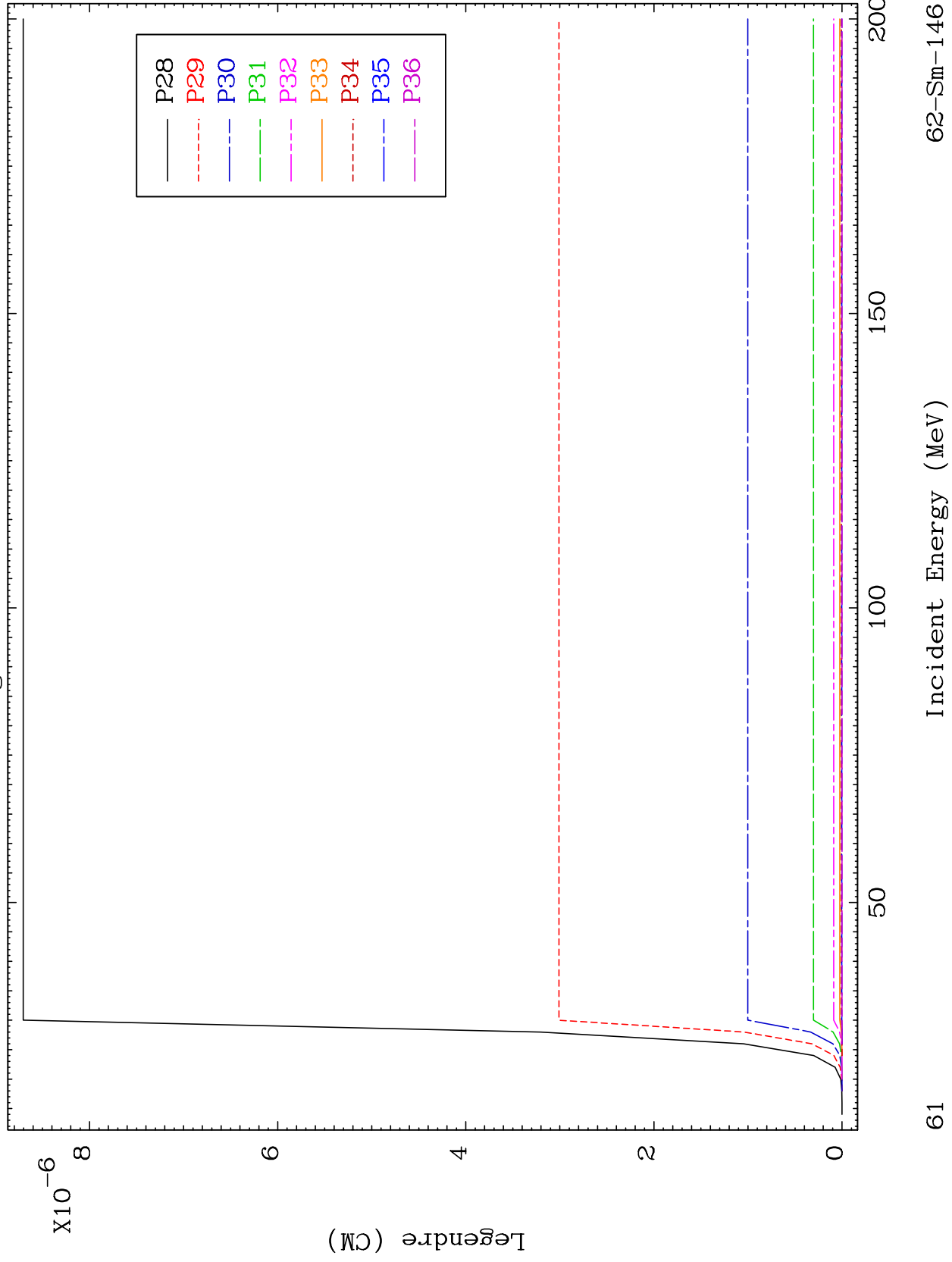
Incident Energy (MeV)

60

MAT 6231

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

62-Sm-146



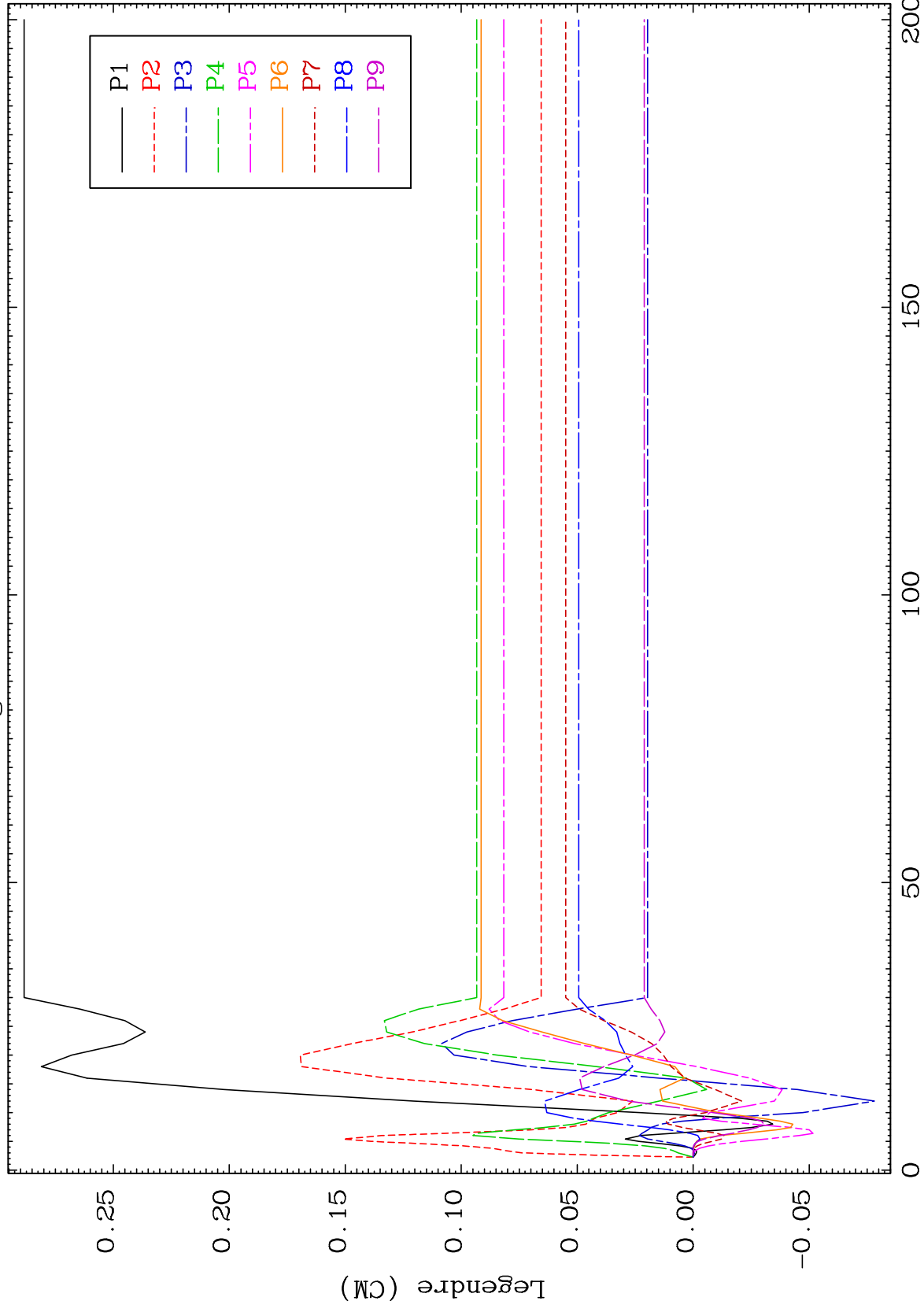
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62-Sm-146

MAT 6231

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

62-Sm-146



62

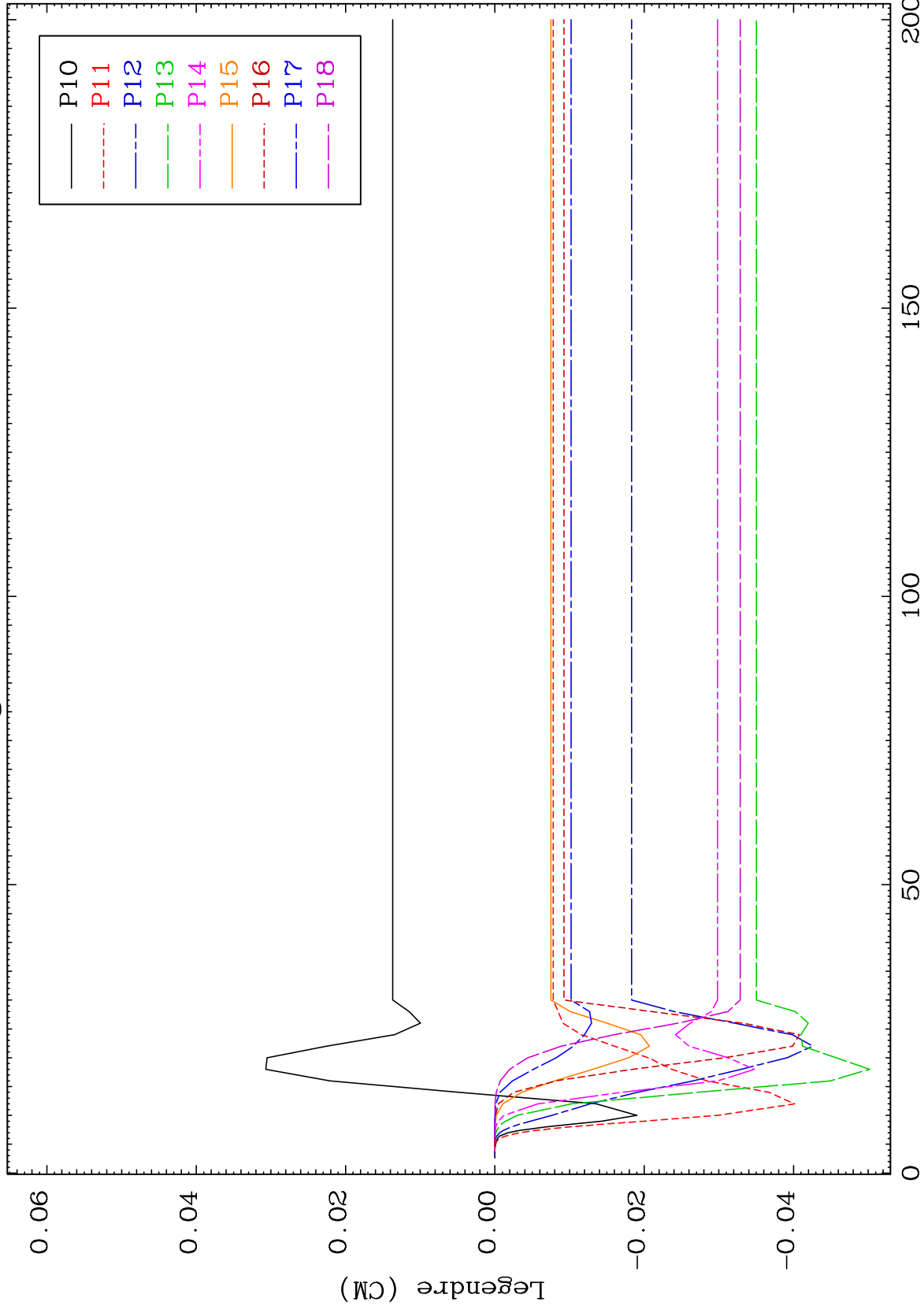
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



63

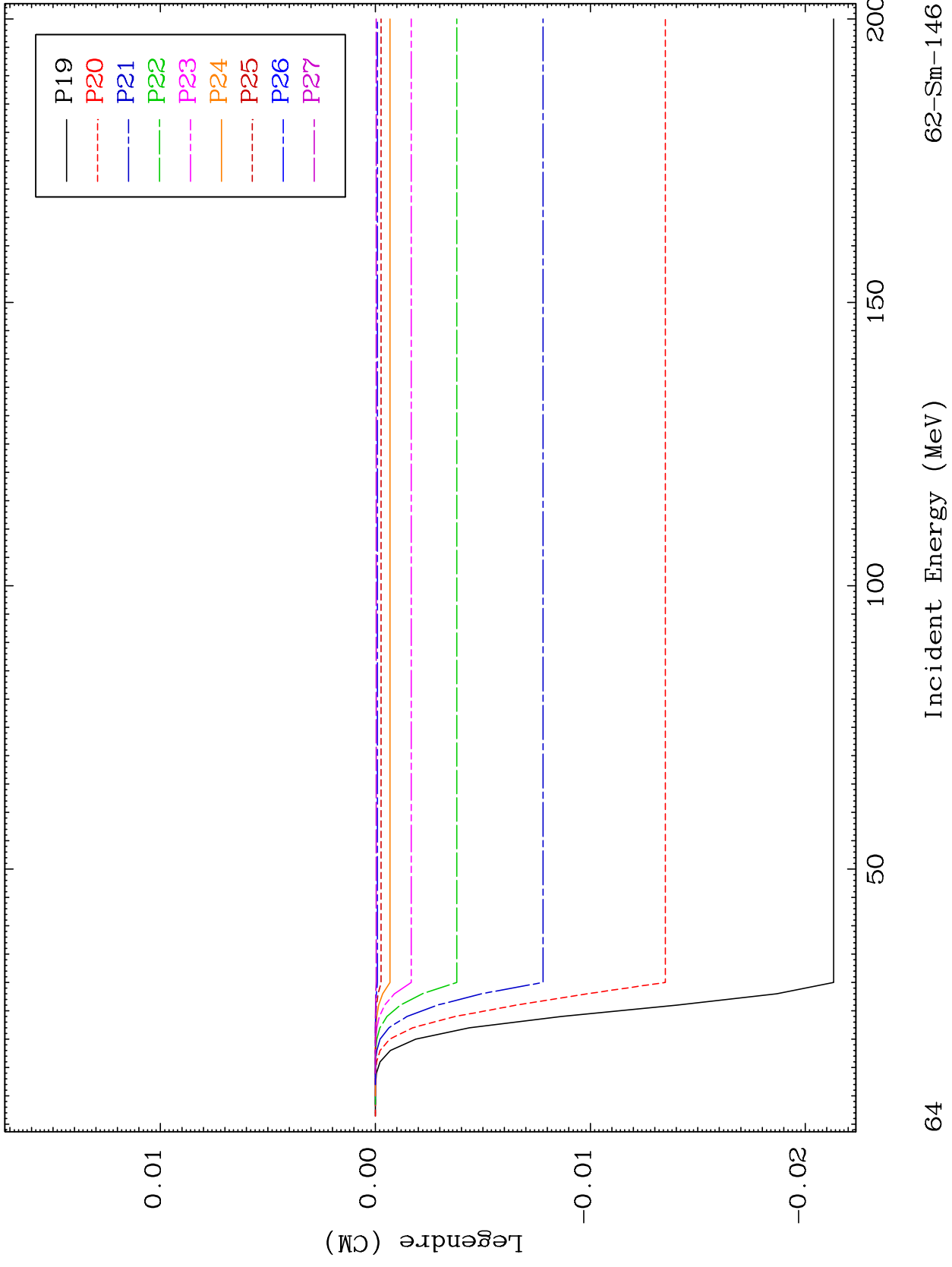
Incident Energy (MeV)

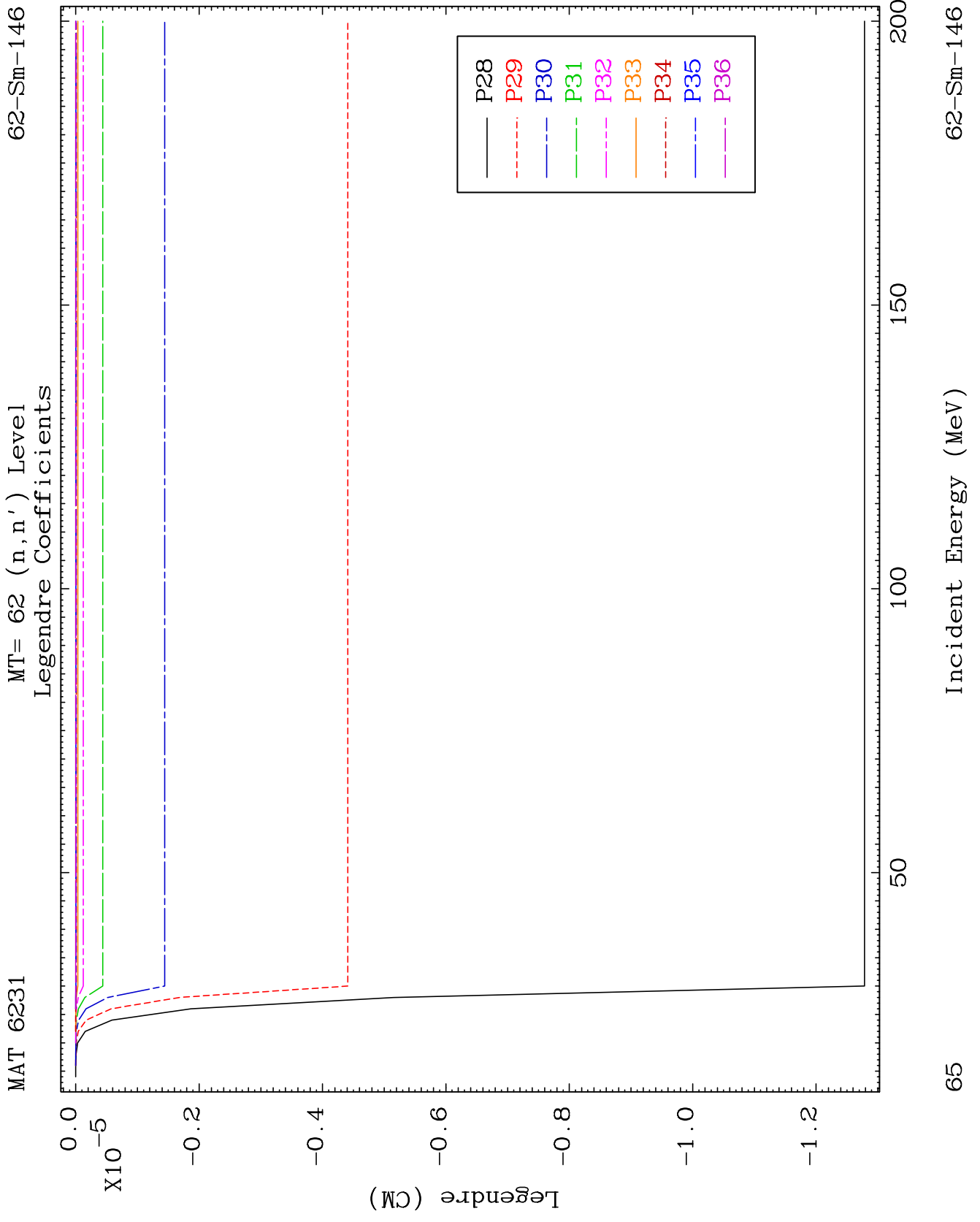
62-Sm-146

MAT 6231

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

62-Sm-146

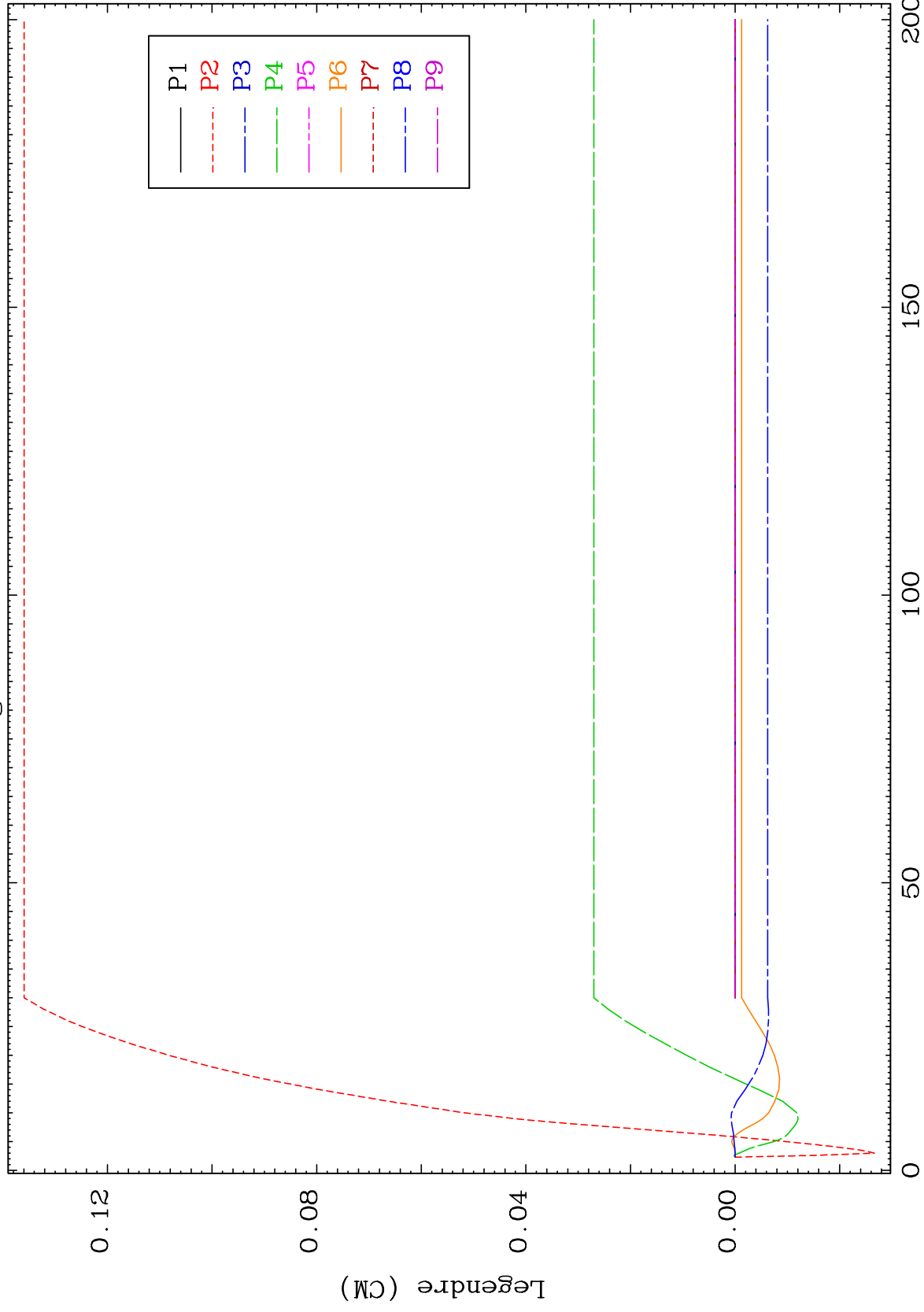




MAT 6231

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

62-Sm-146



62-Sm-146

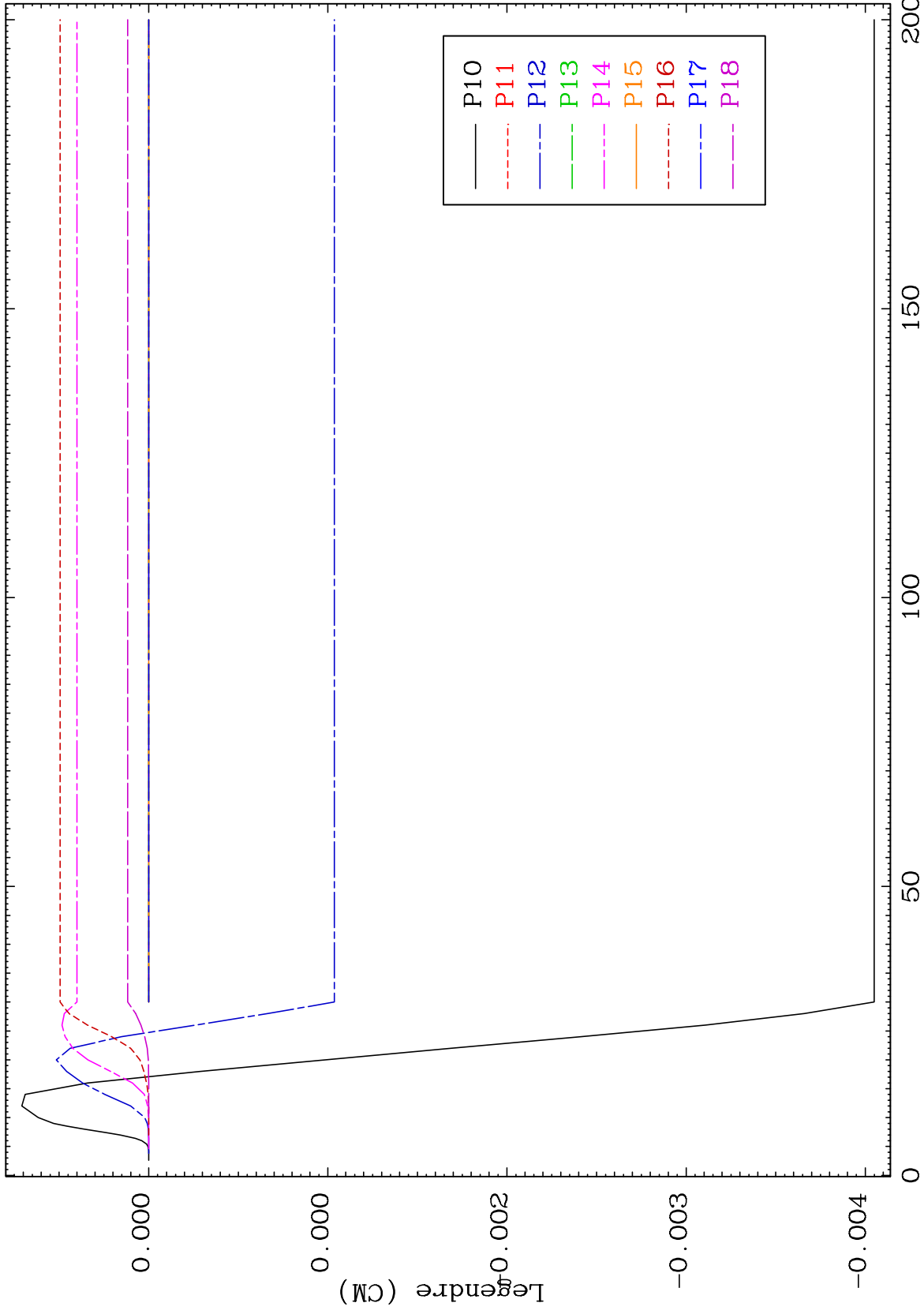
Incident Energy (MeV)

66

MAT 6231

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

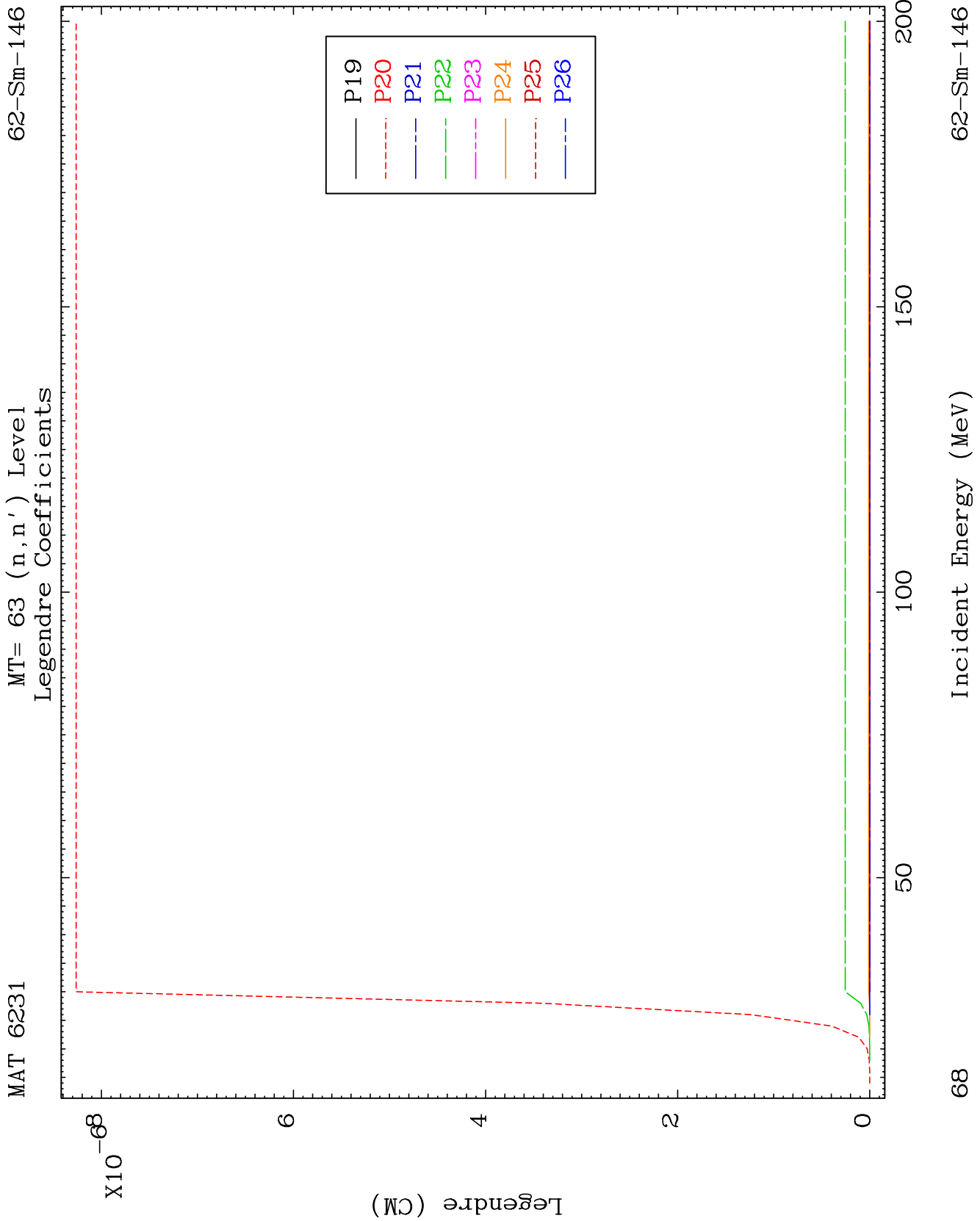
62-Sm-146



67

Incident Energy (MeV)

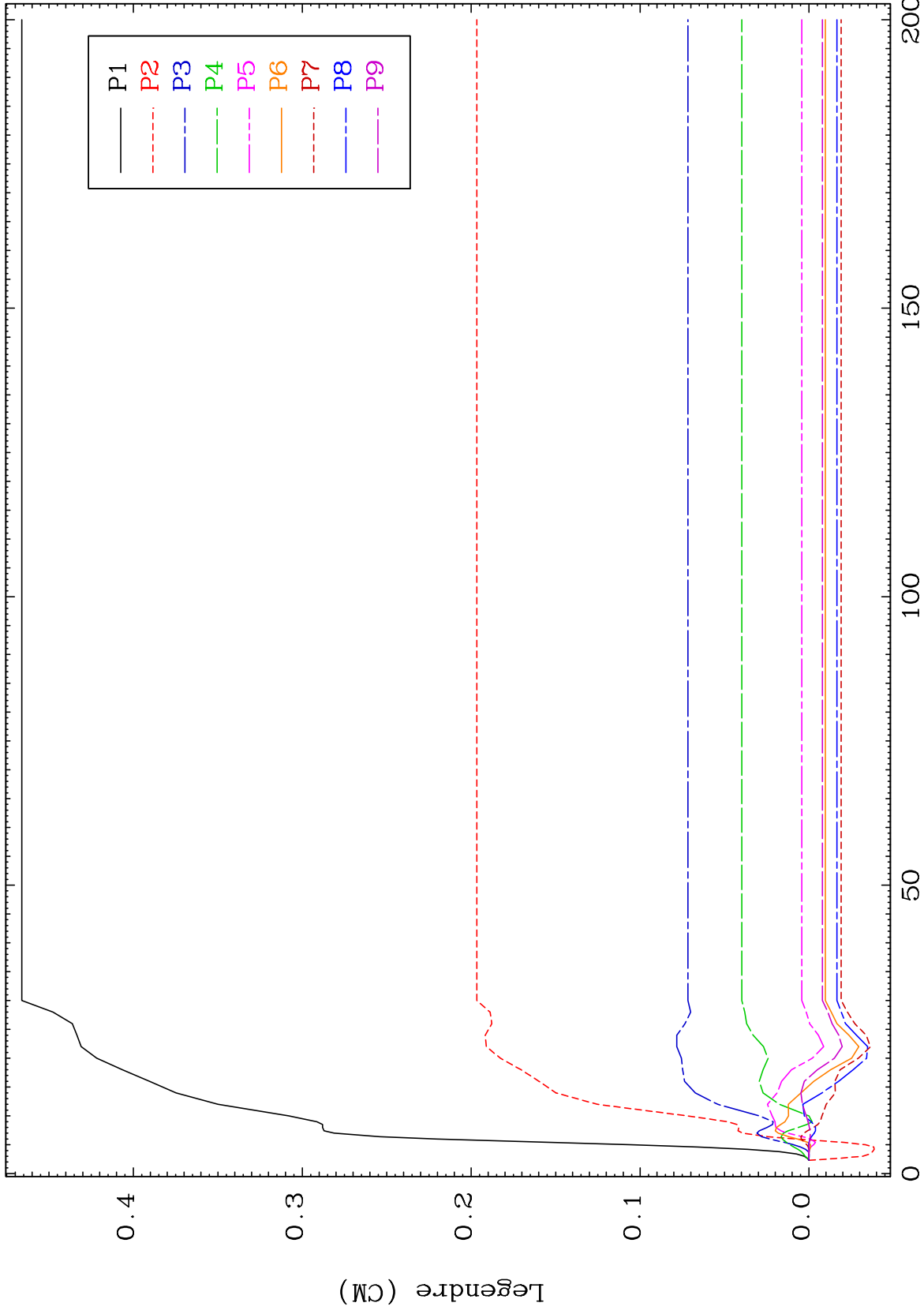
62-Sm-146



MAT 6231

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

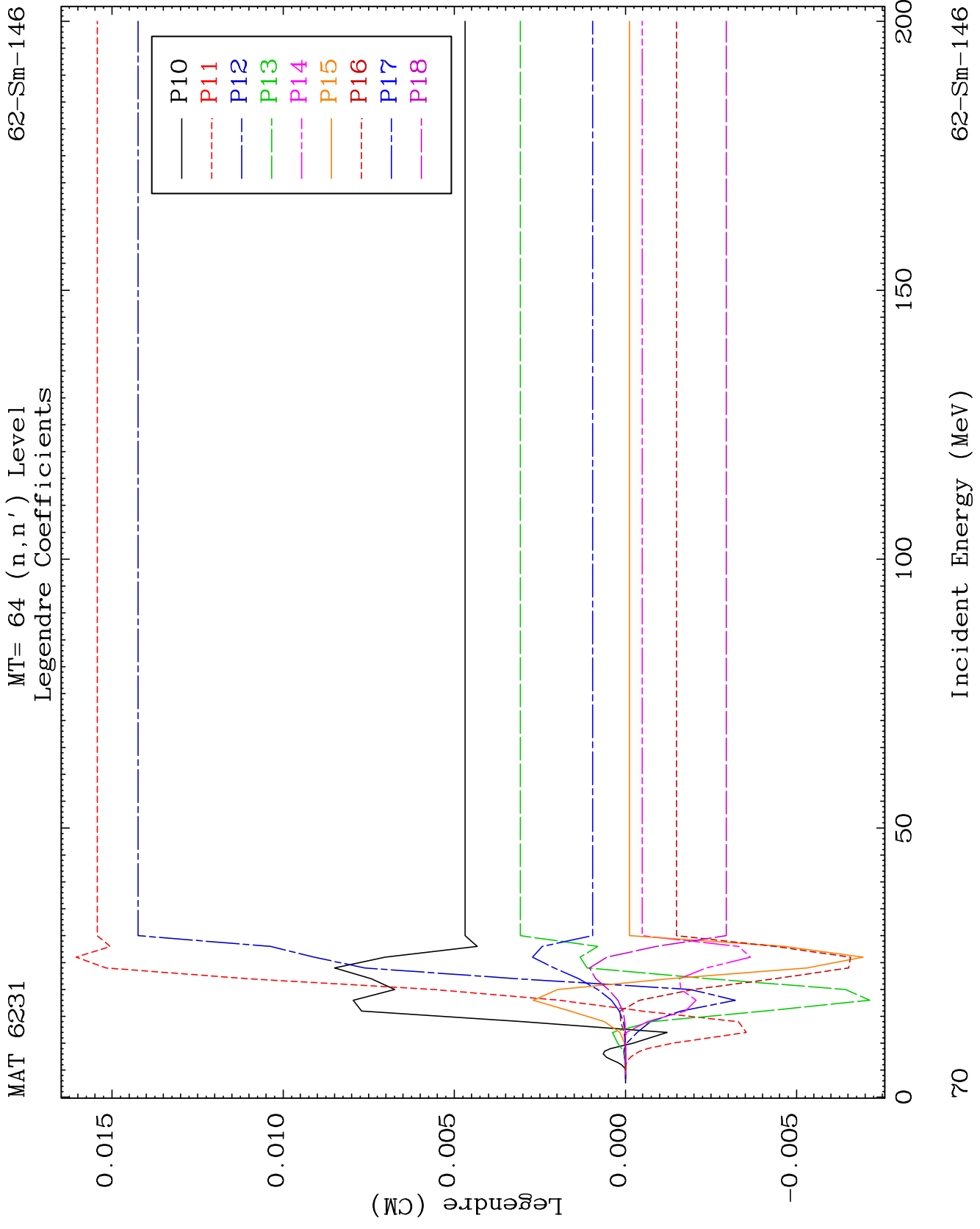
62-Sm-146

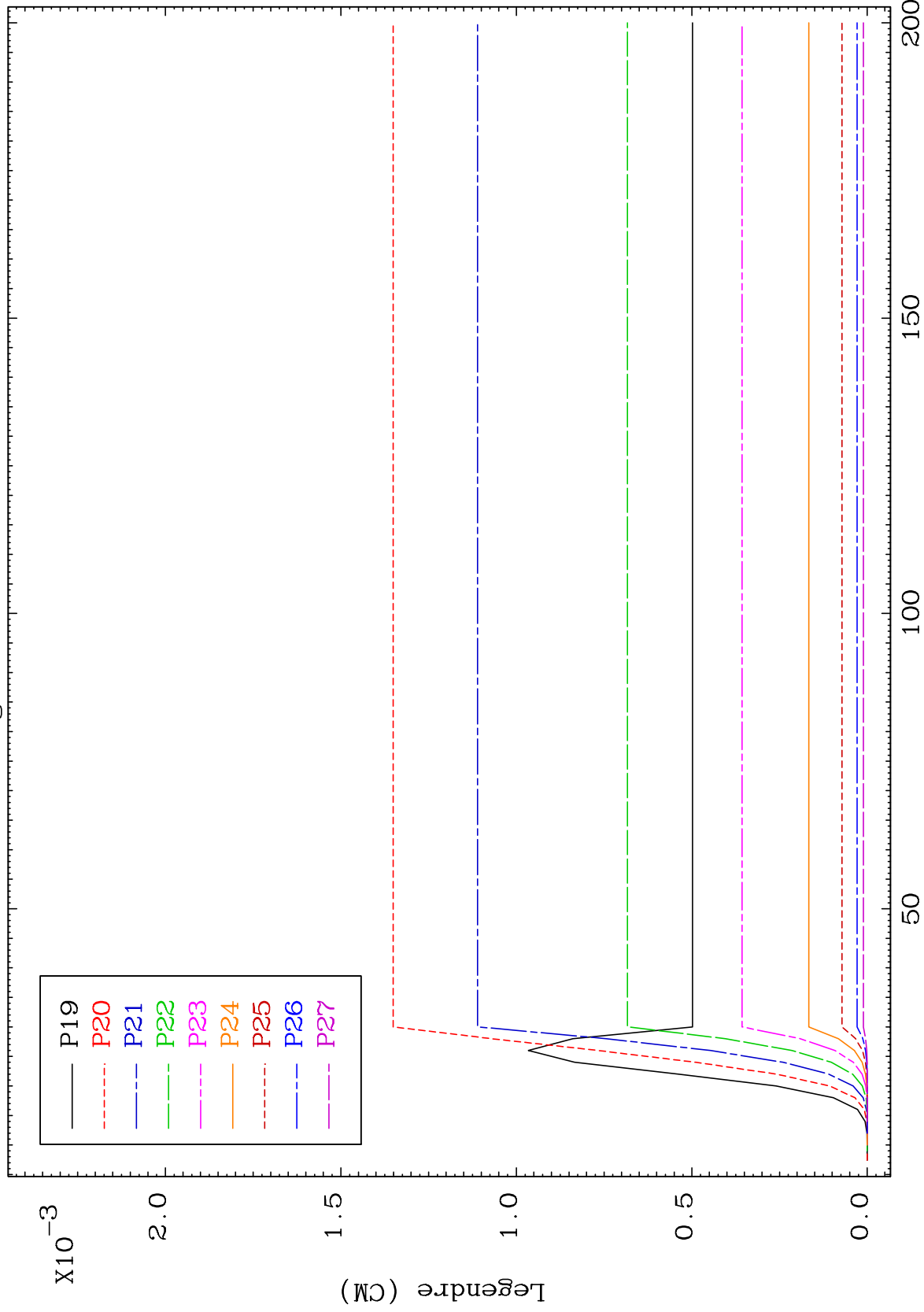


69

Incident Energy (MeV)

62-Sm-146

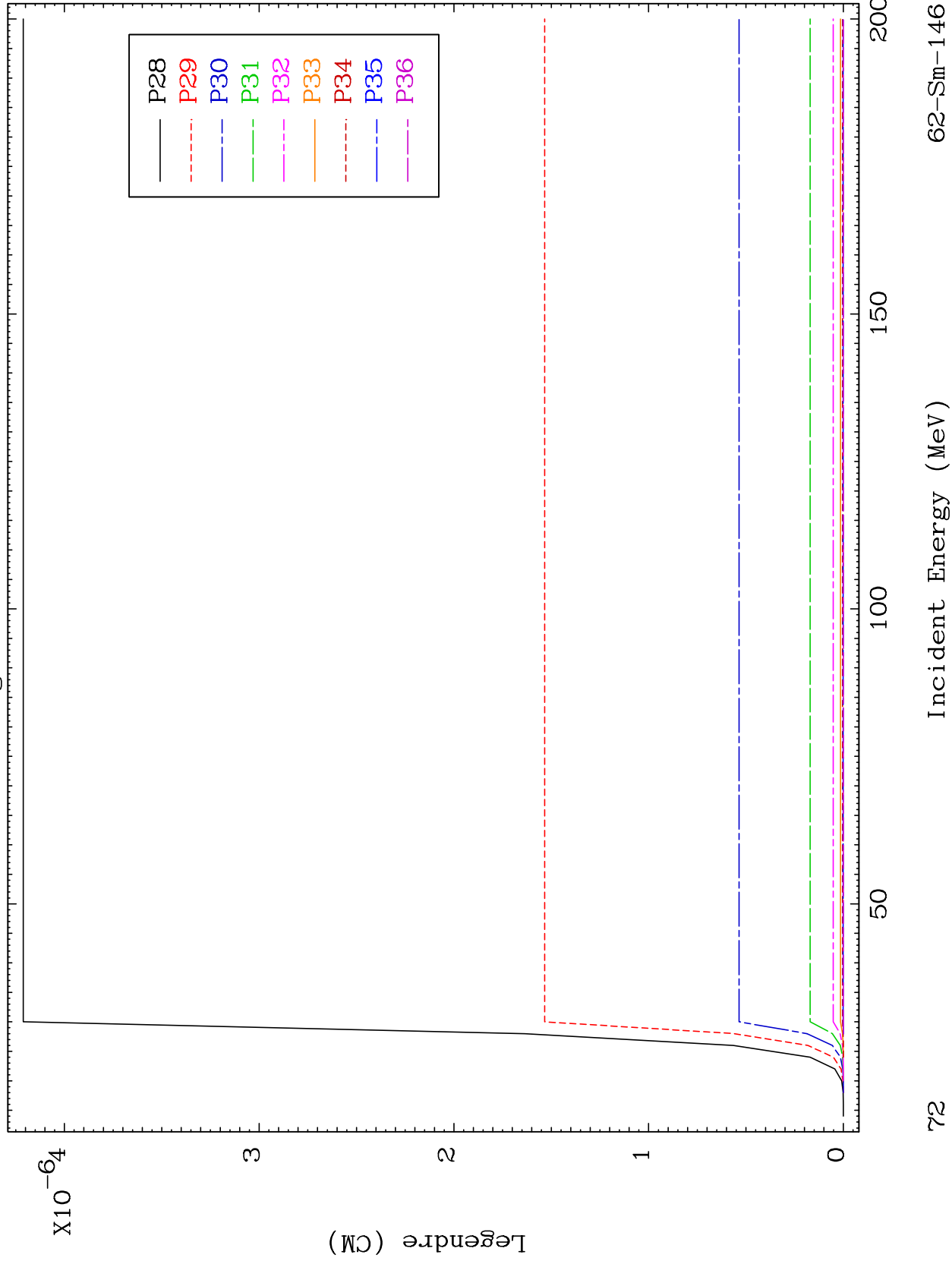


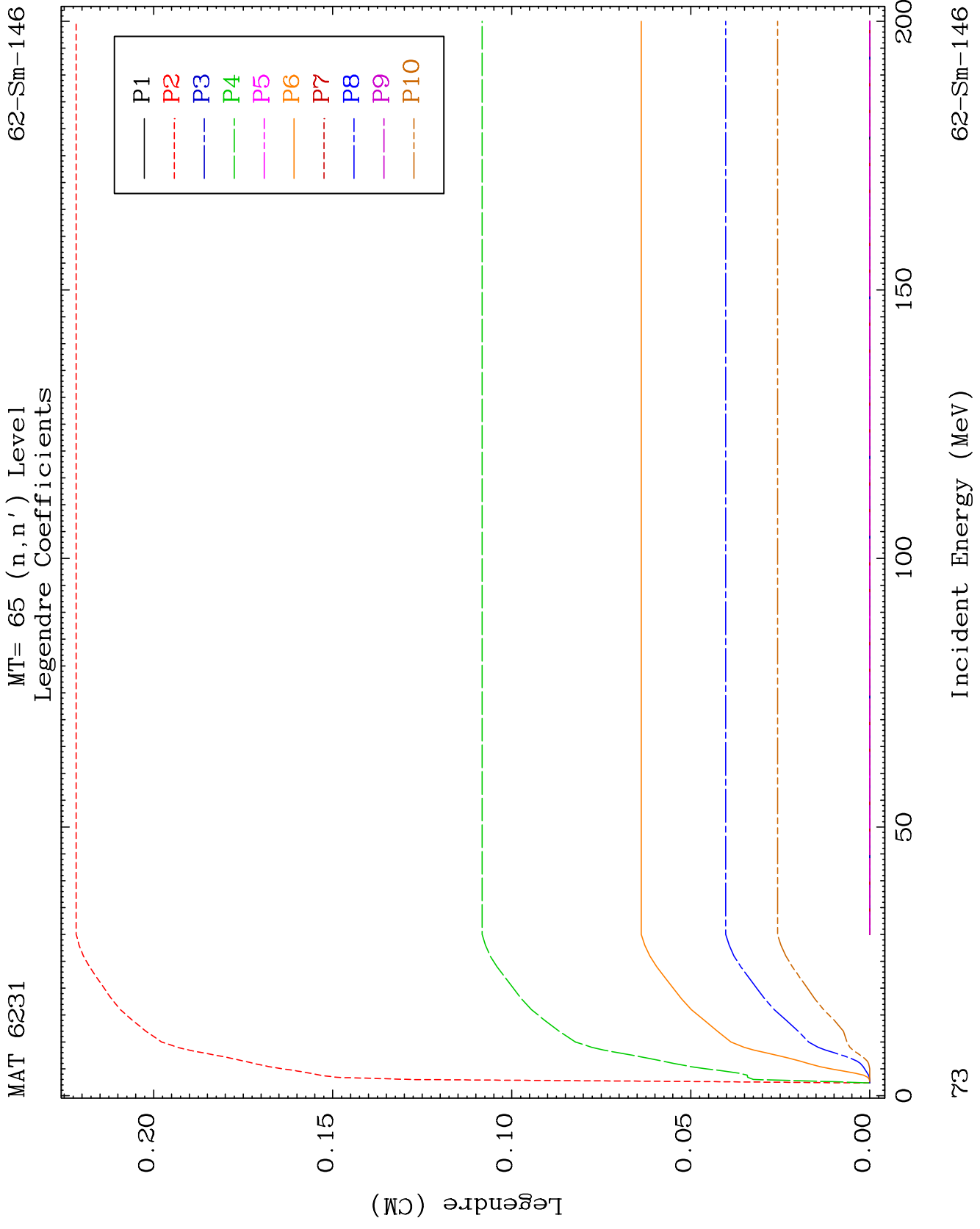


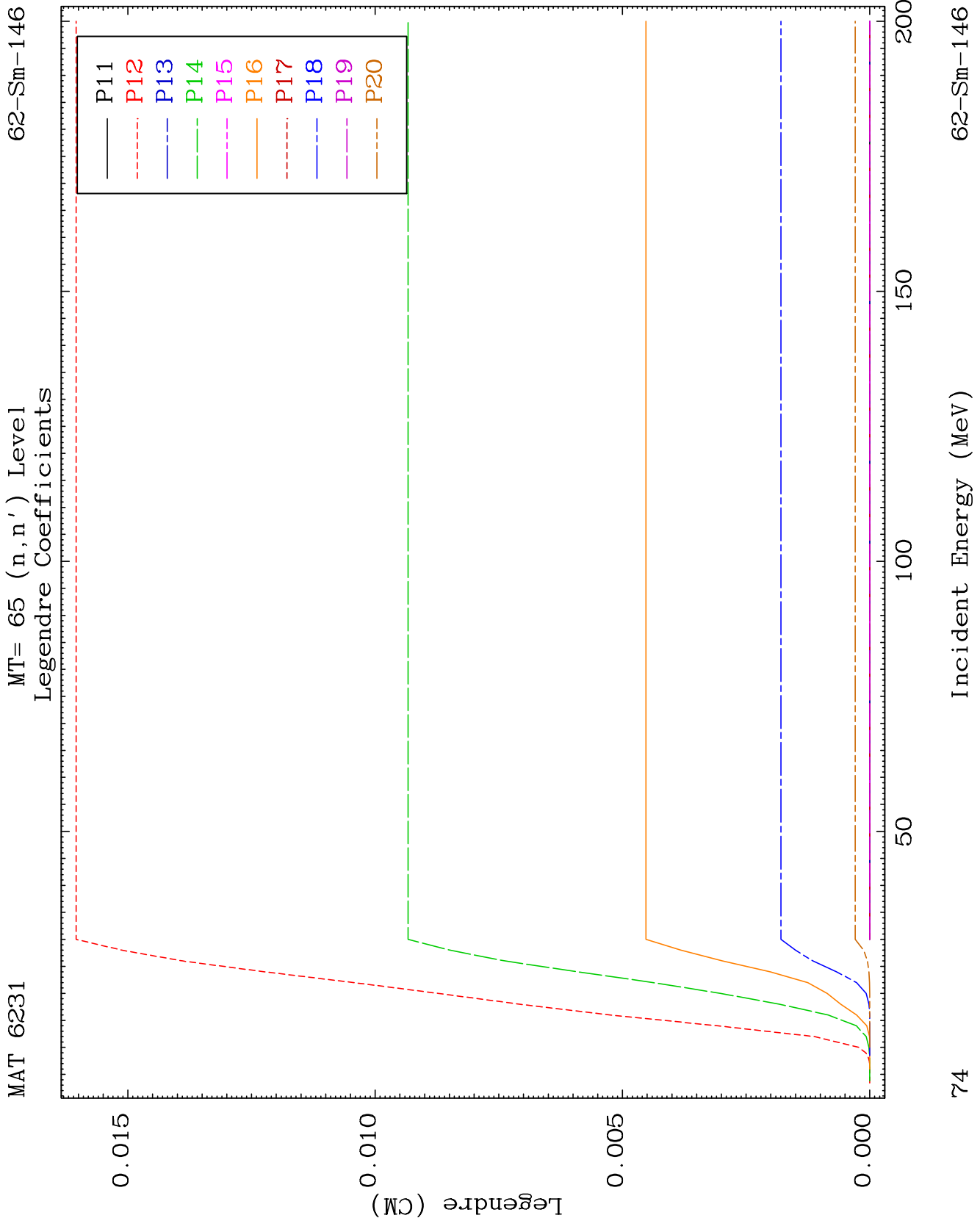
MAT 6231

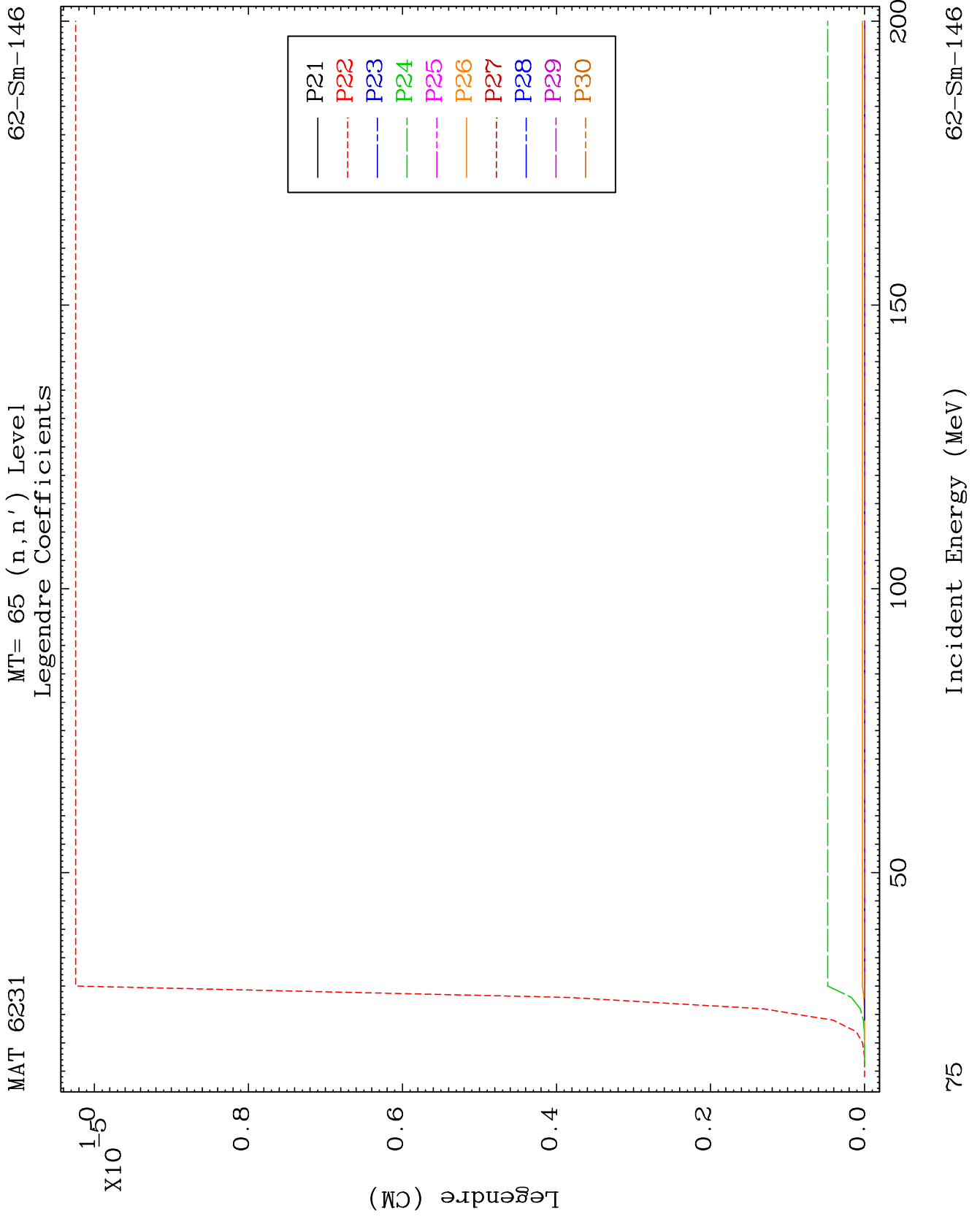
MT= 64 (n,n') Level
Legendre Coefficients

62-Sm-146





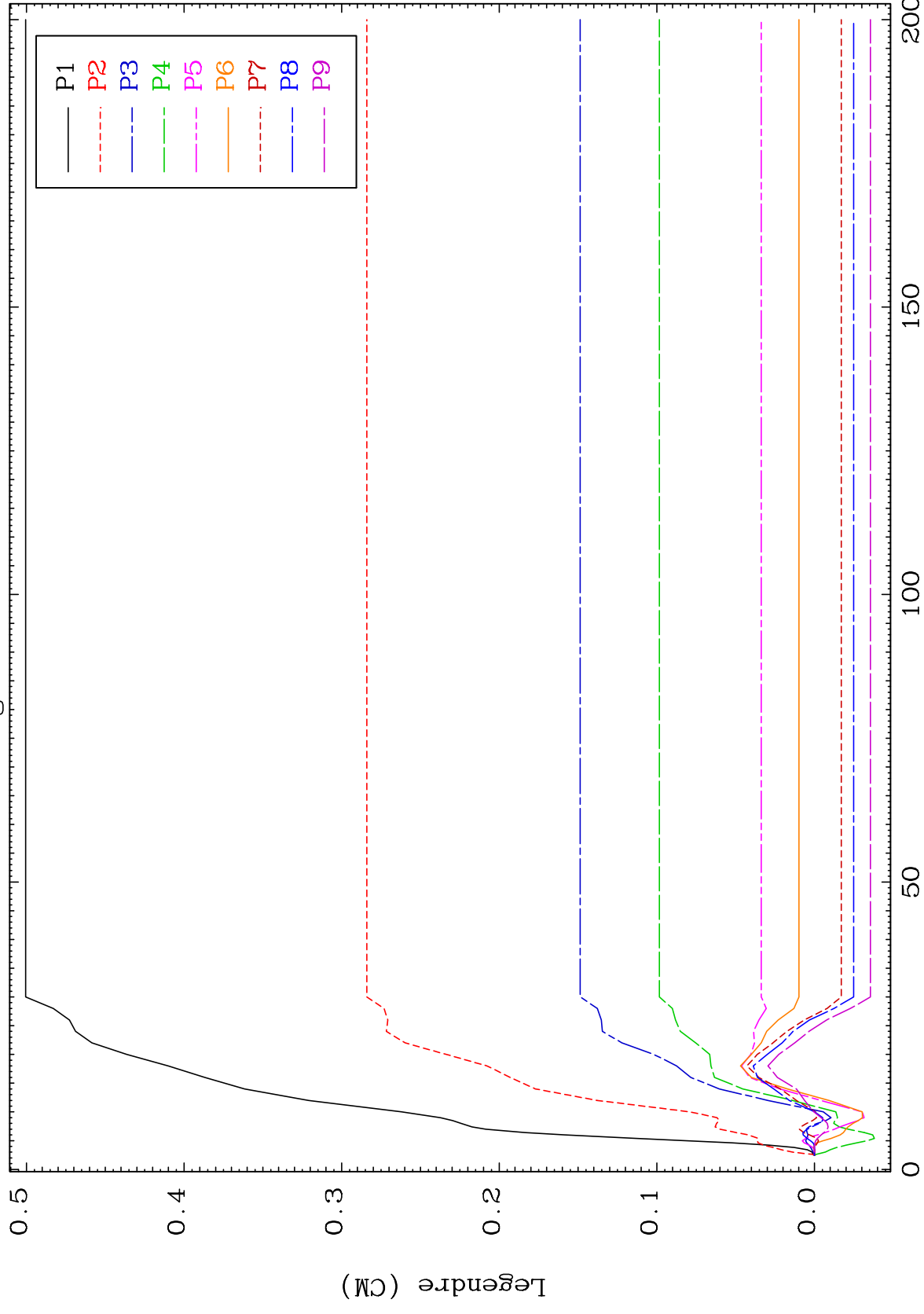




MAT 6231

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

62-Sm-146



76

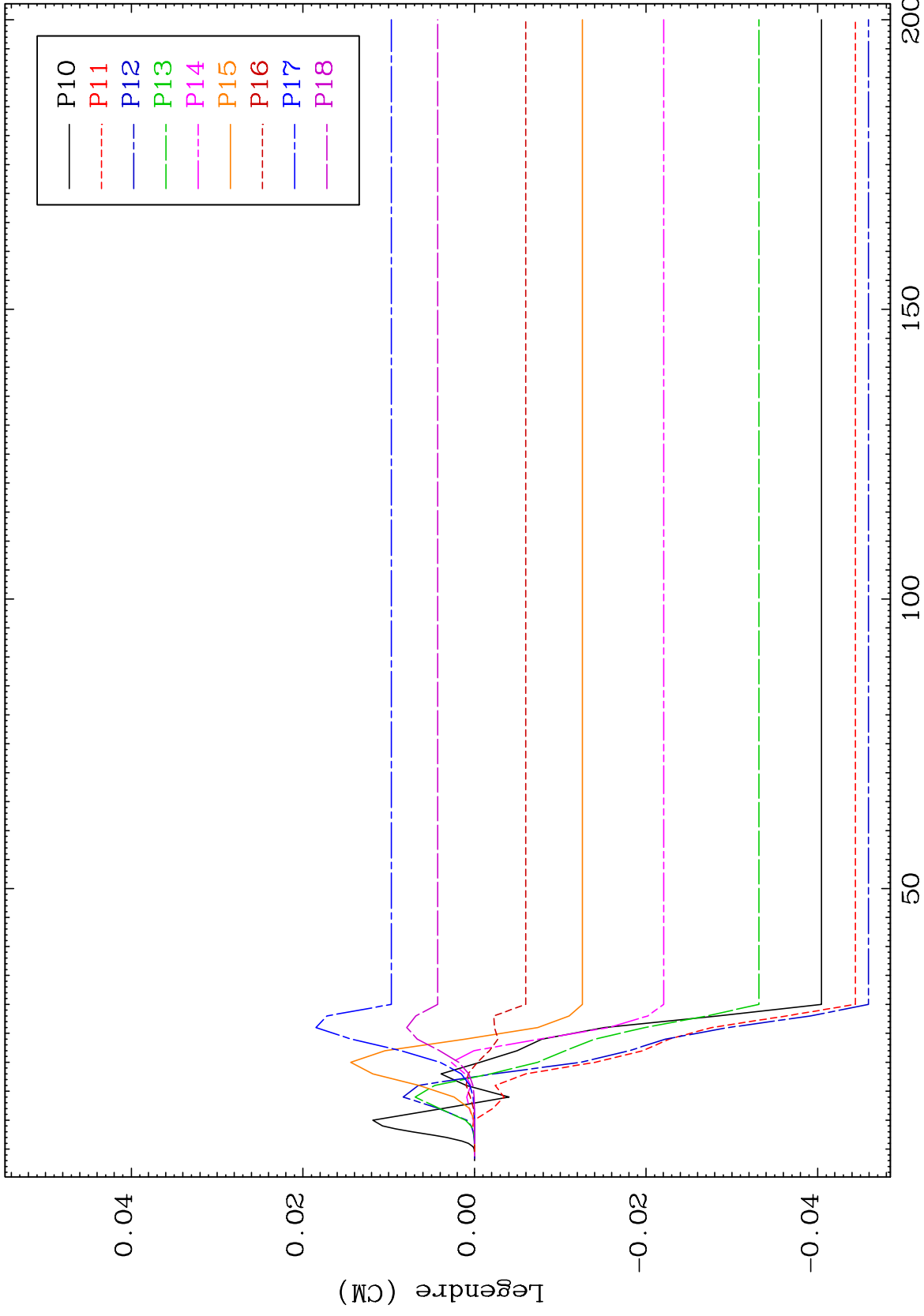
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



77

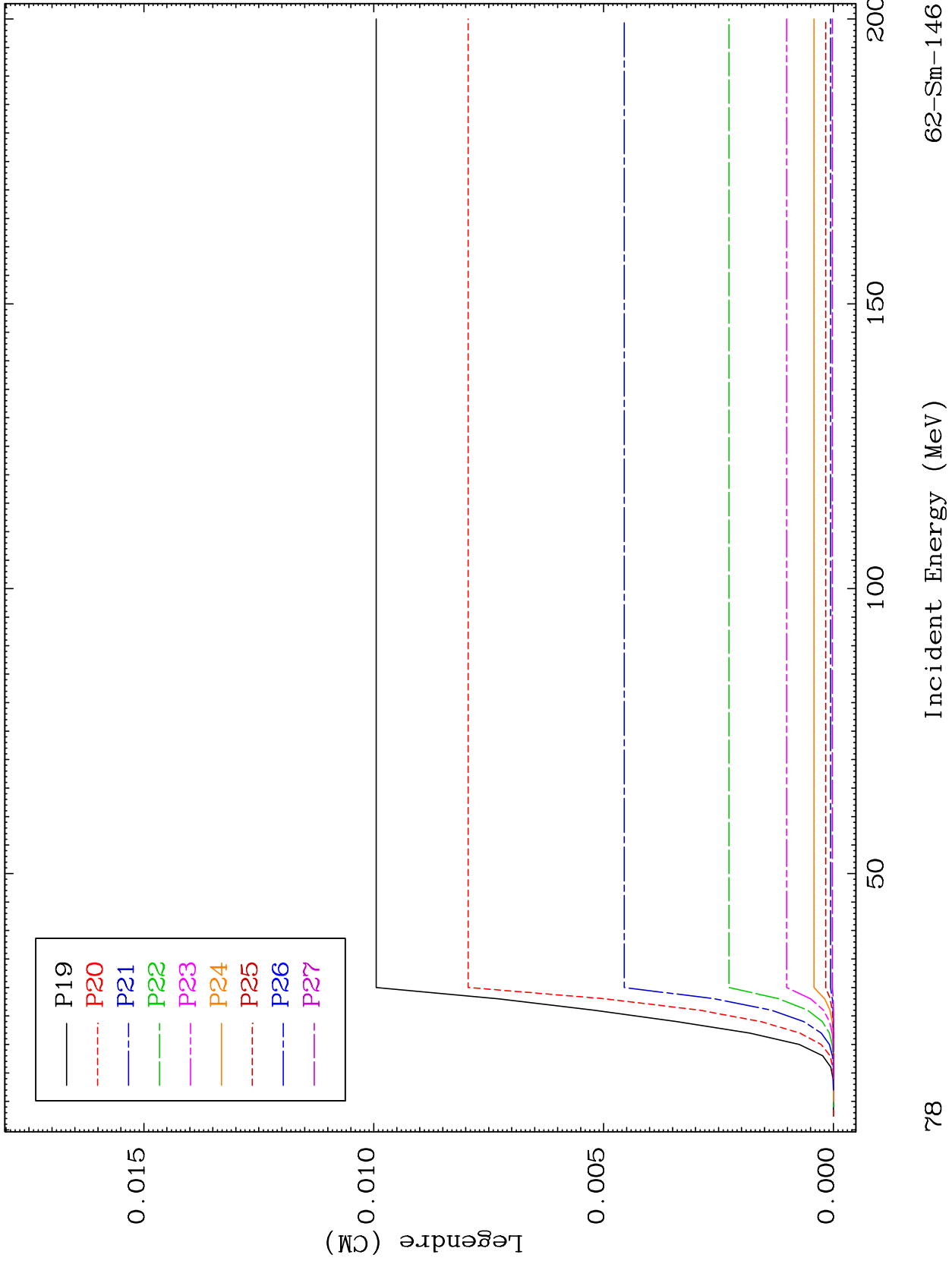
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



78

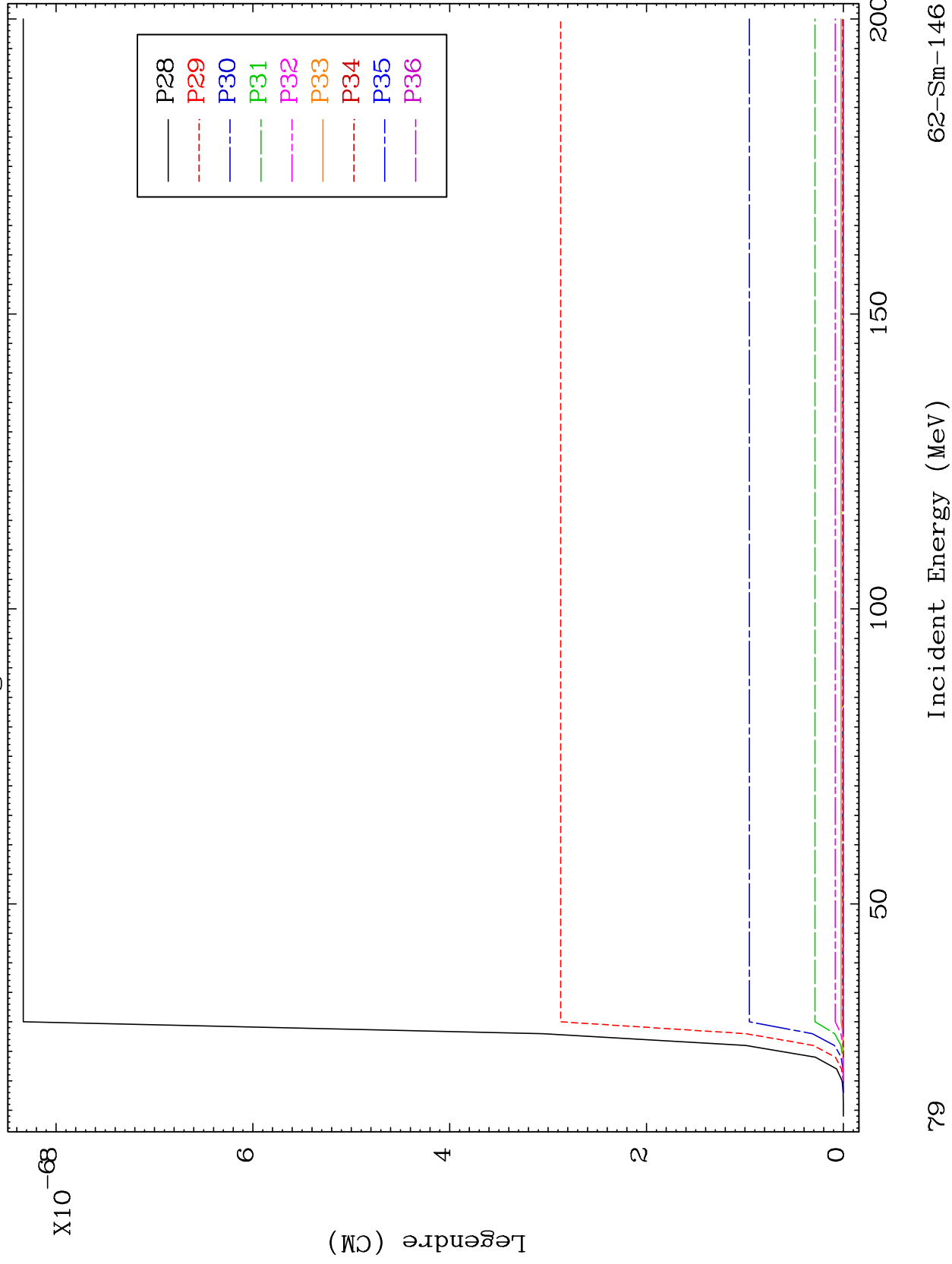
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



79

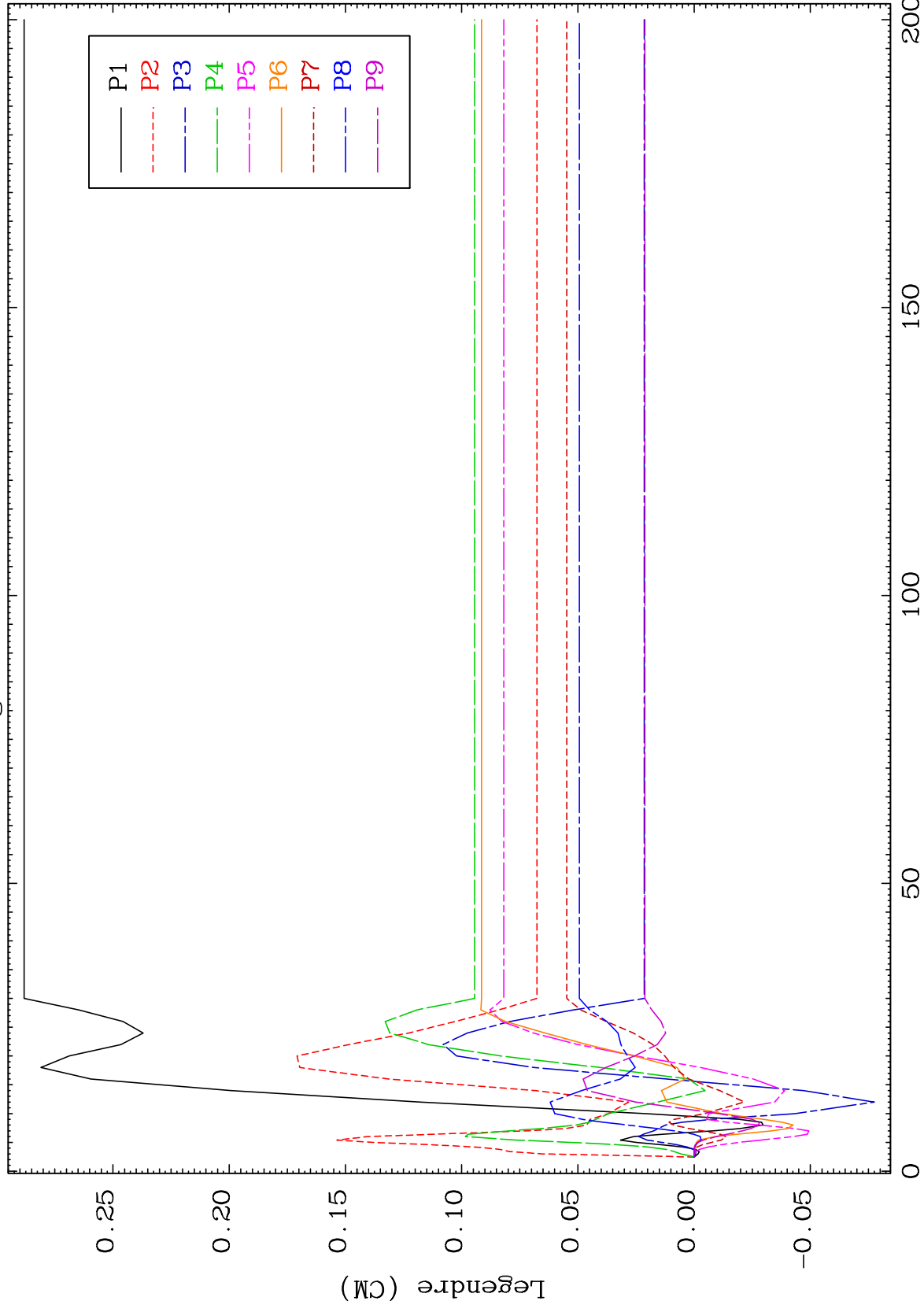
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



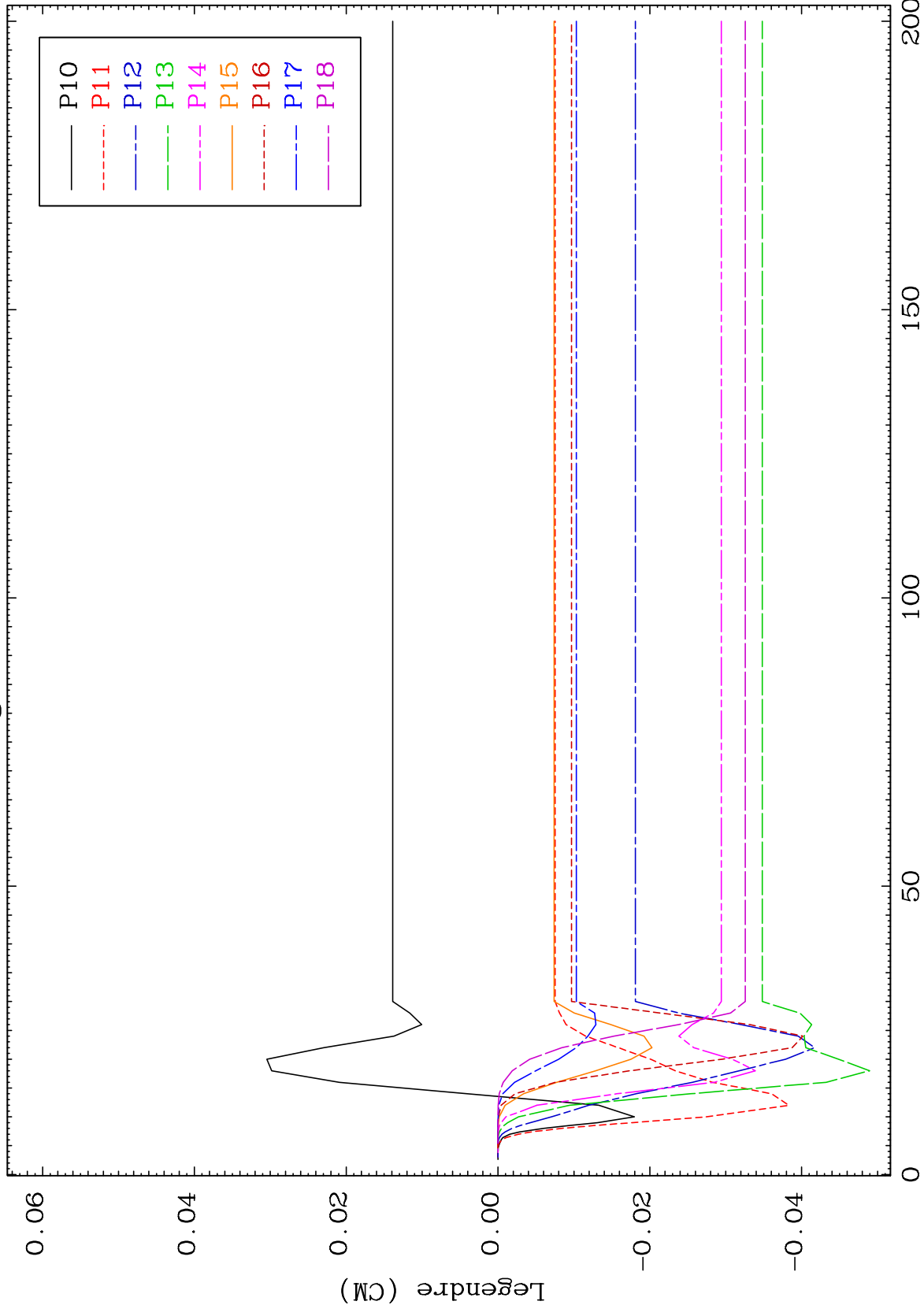
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



81

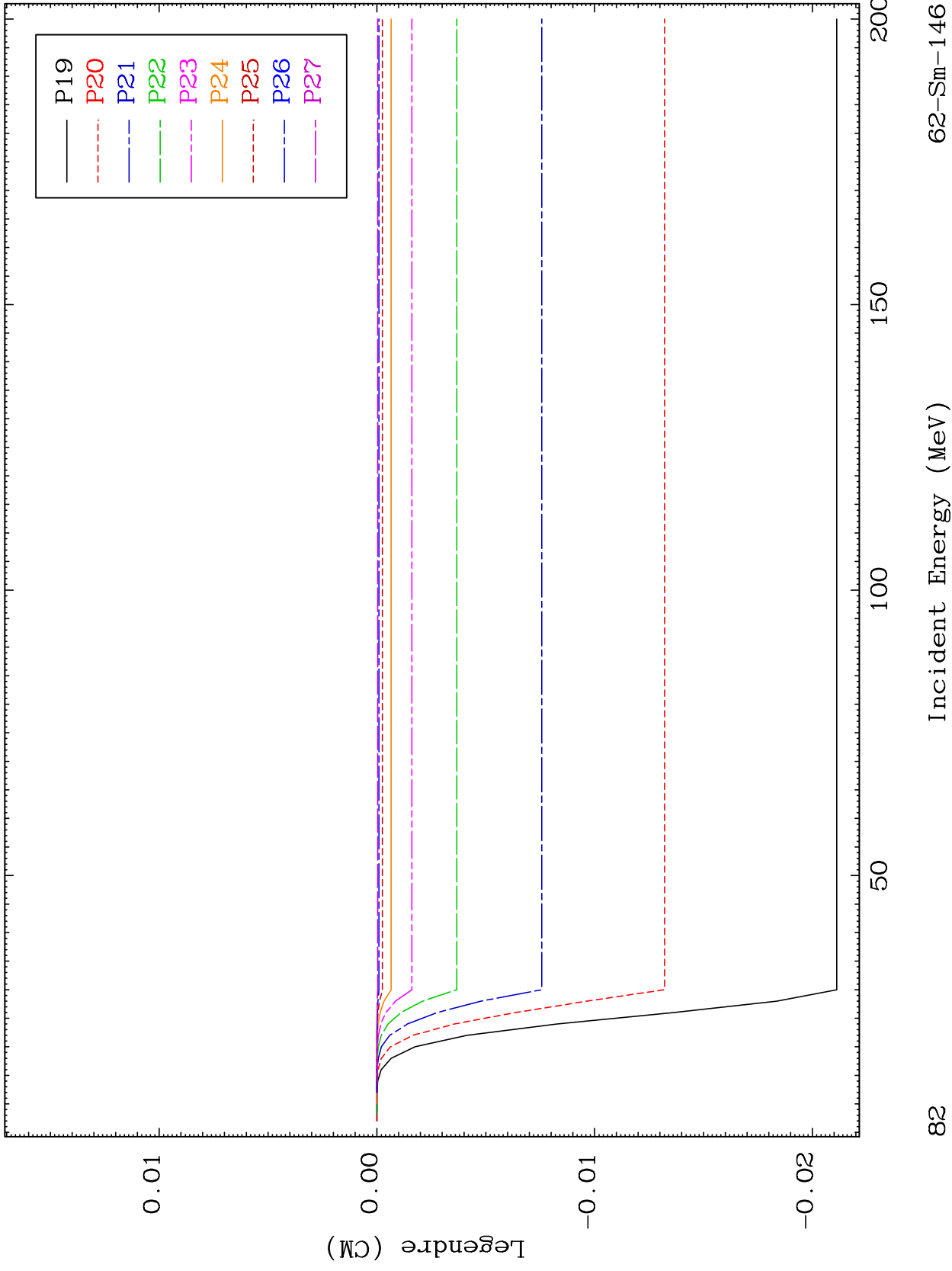
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

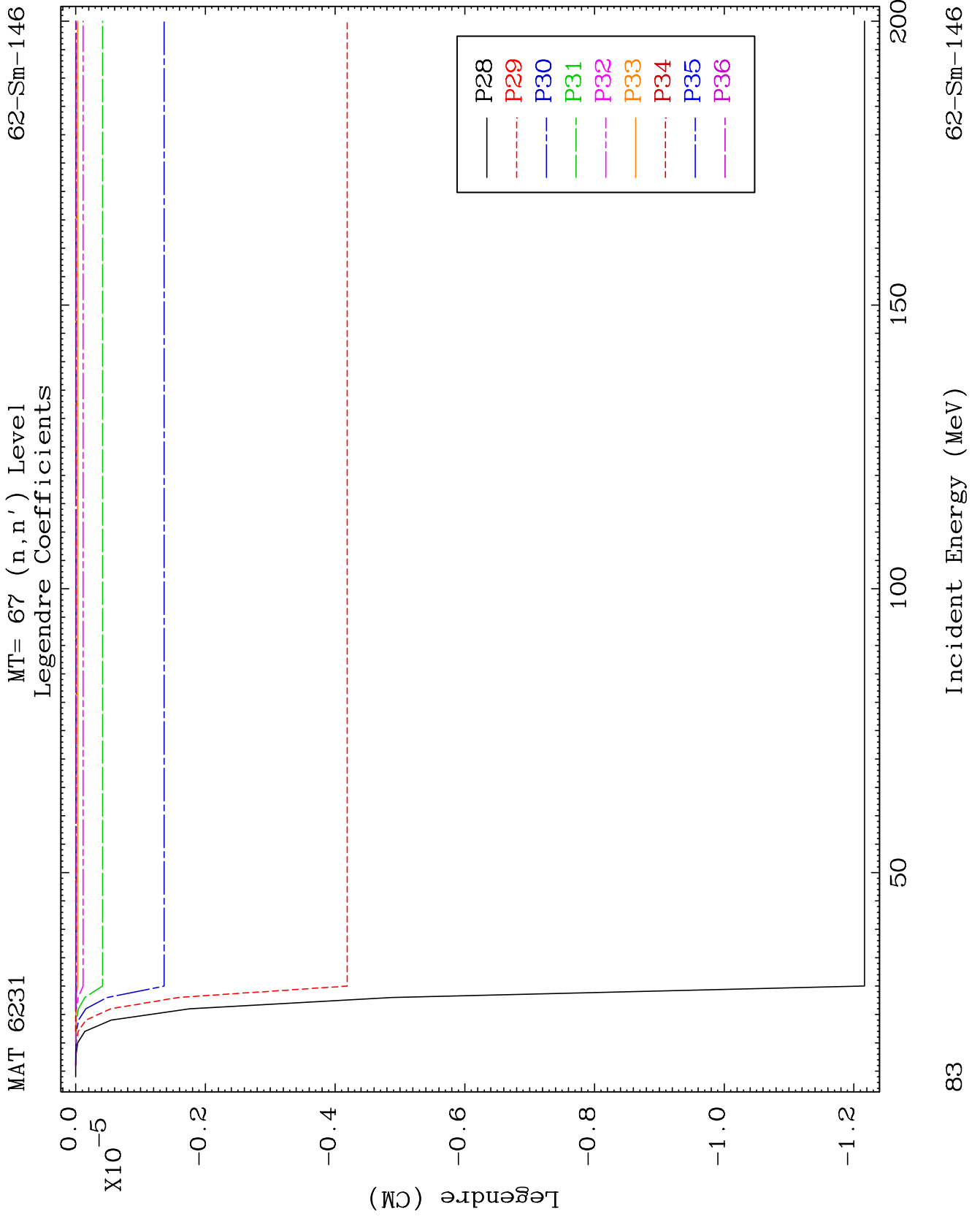
62-Sm-146



82

Incident Energy (MeV)

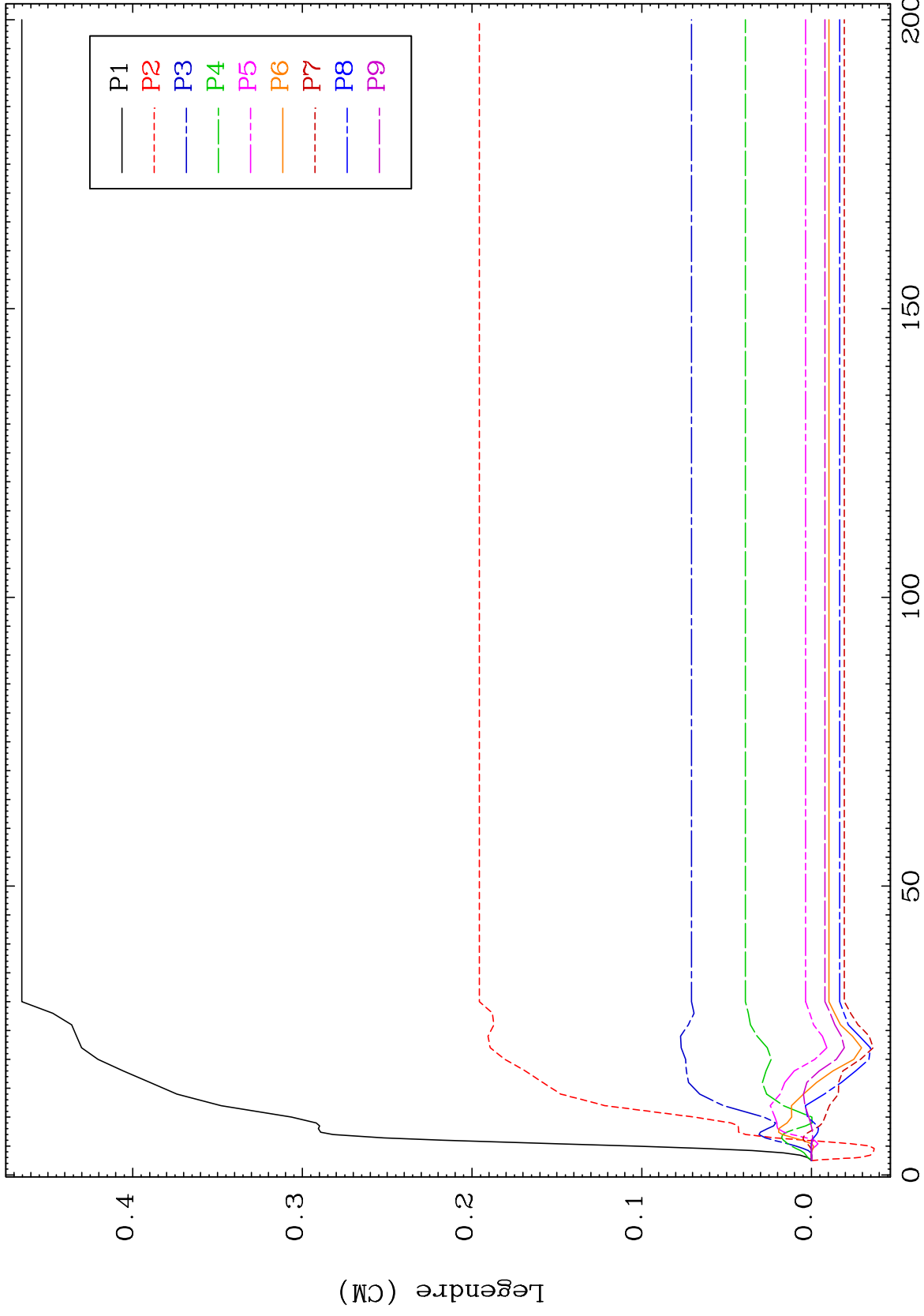
62-Sm-146



MAT 6231

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

62-Sm-146



84

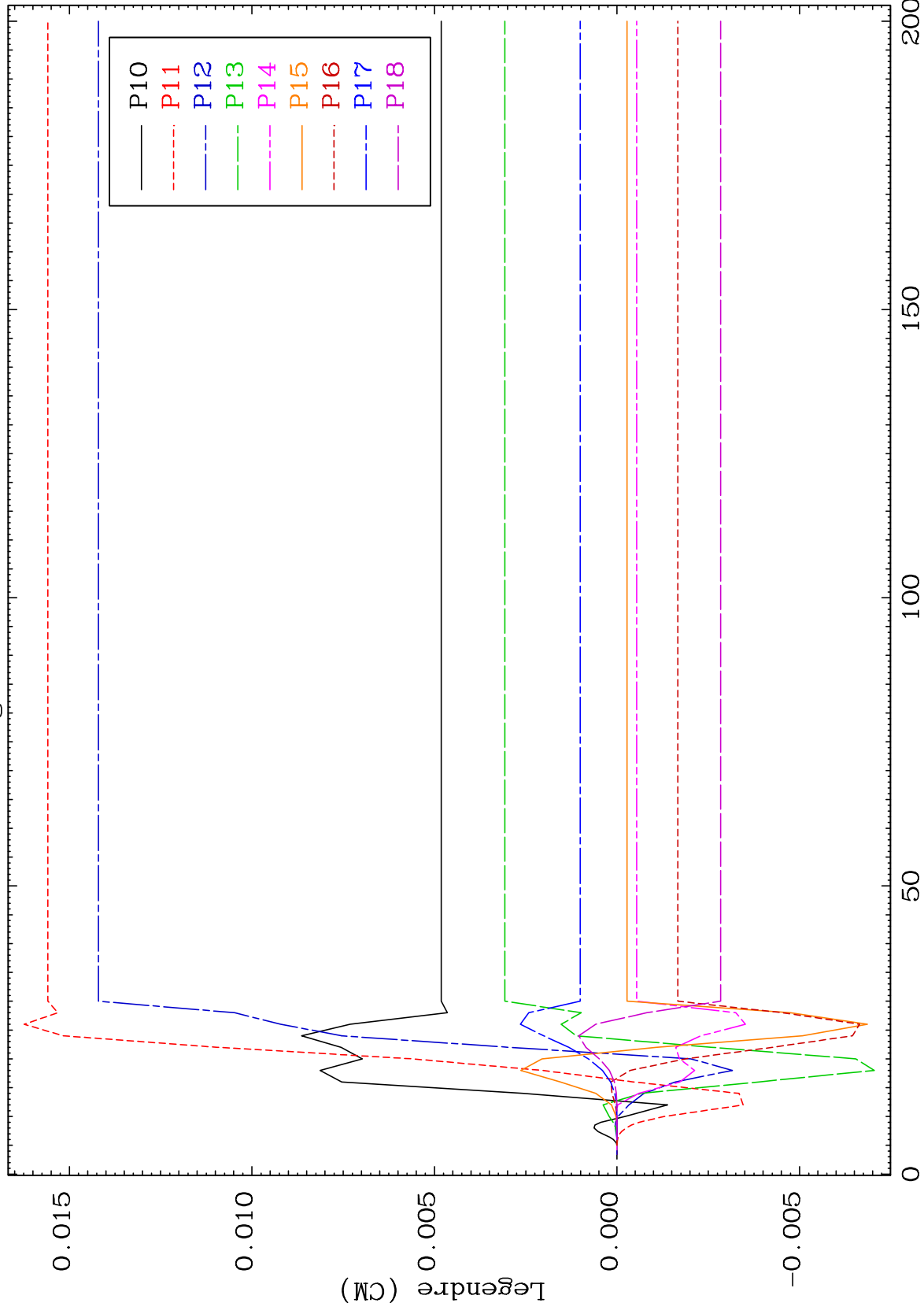
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

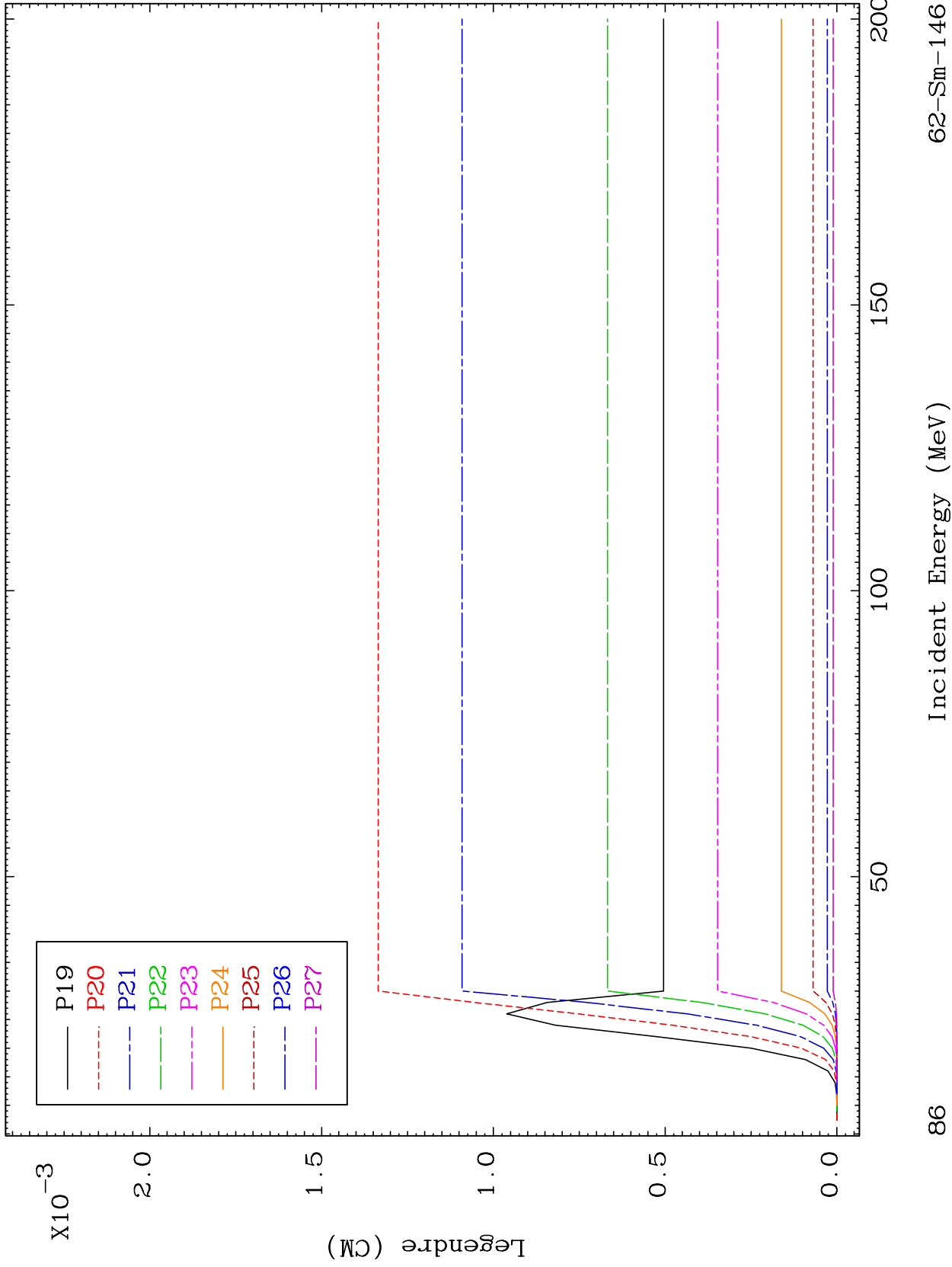
62-Sm-146



85

Incident Energy (MeV)

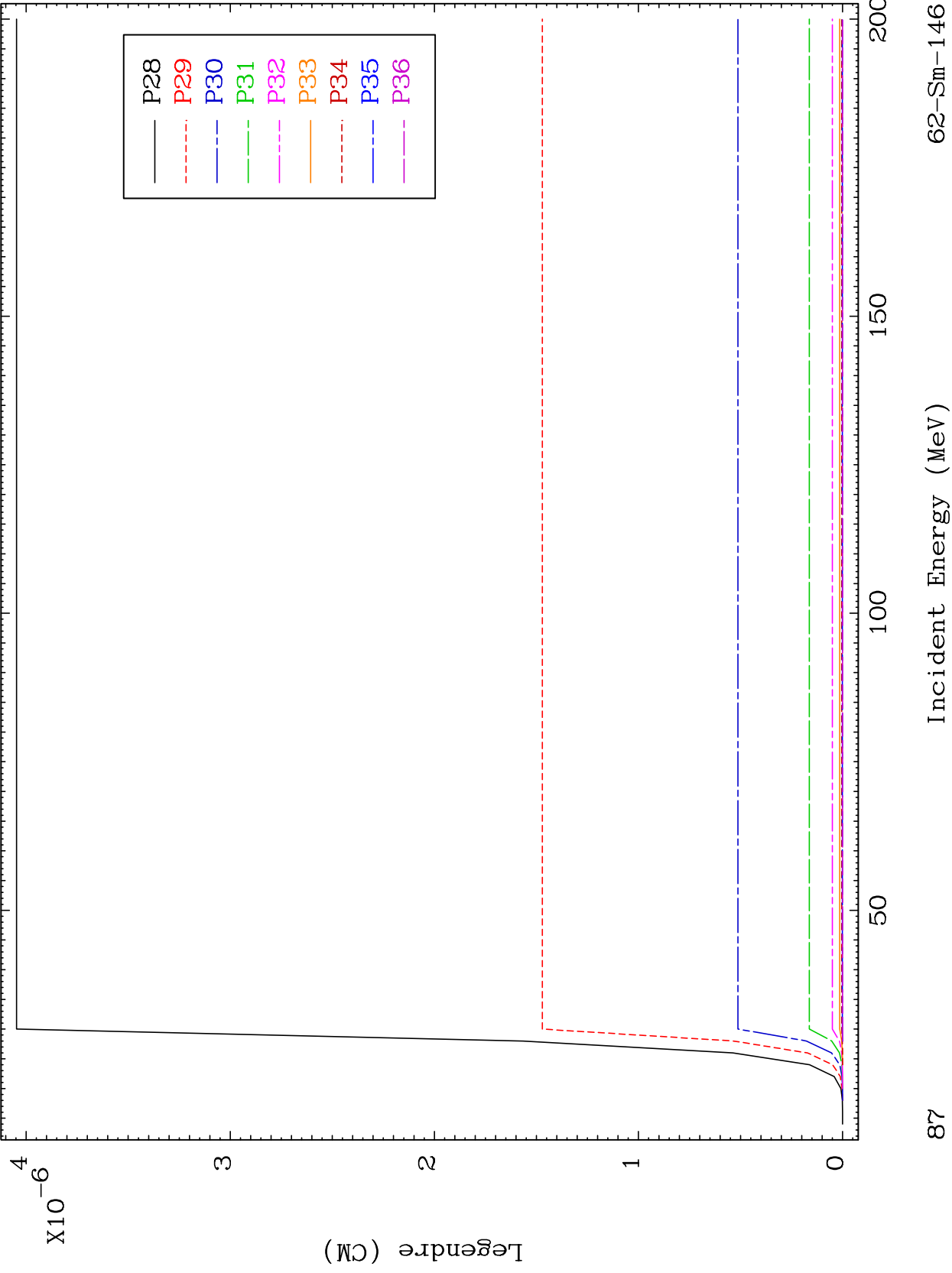
62-Sm-146



MAT 6231

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

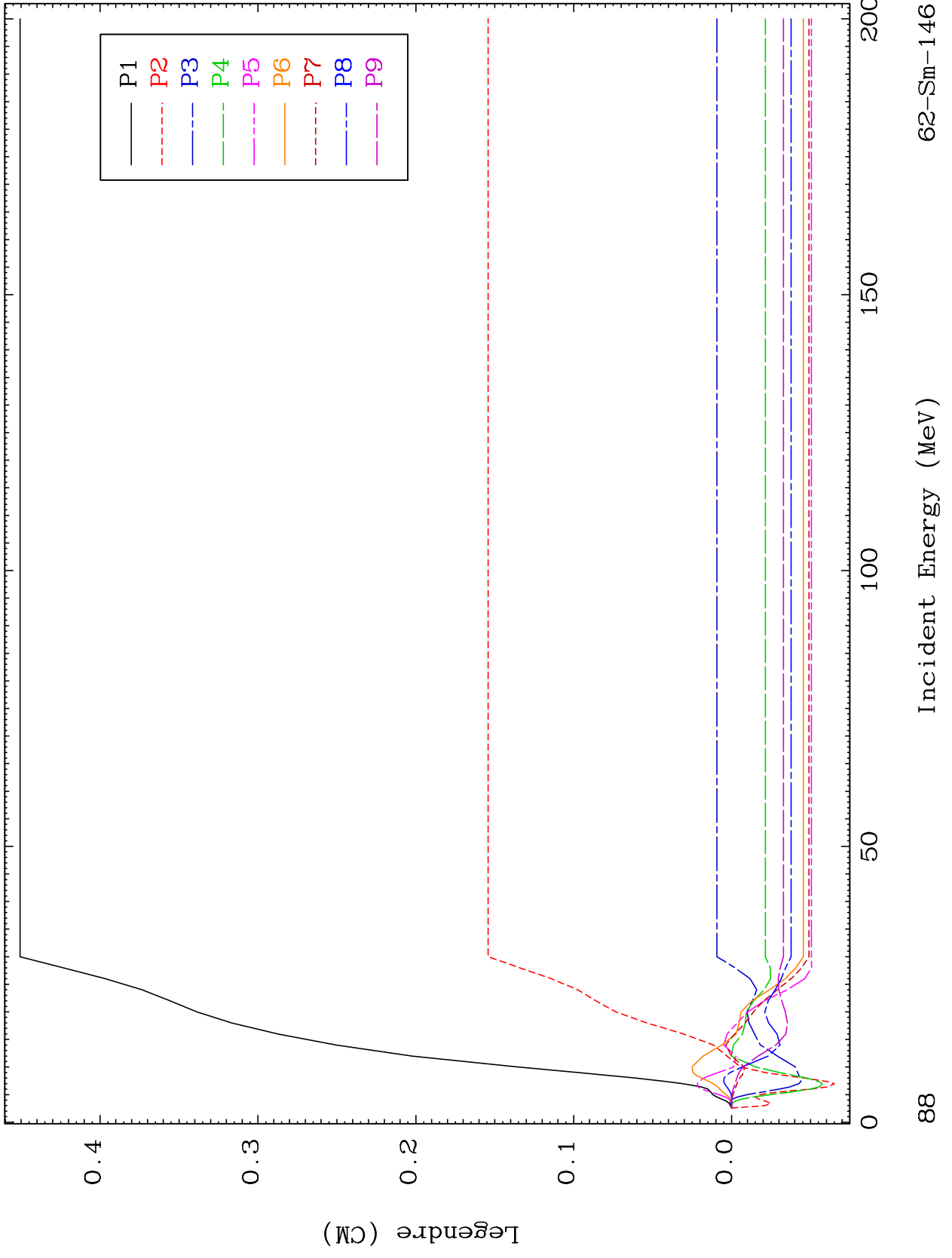
62-Sm-146



MAT 6231

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

62-Sm-146



62-Sm-146

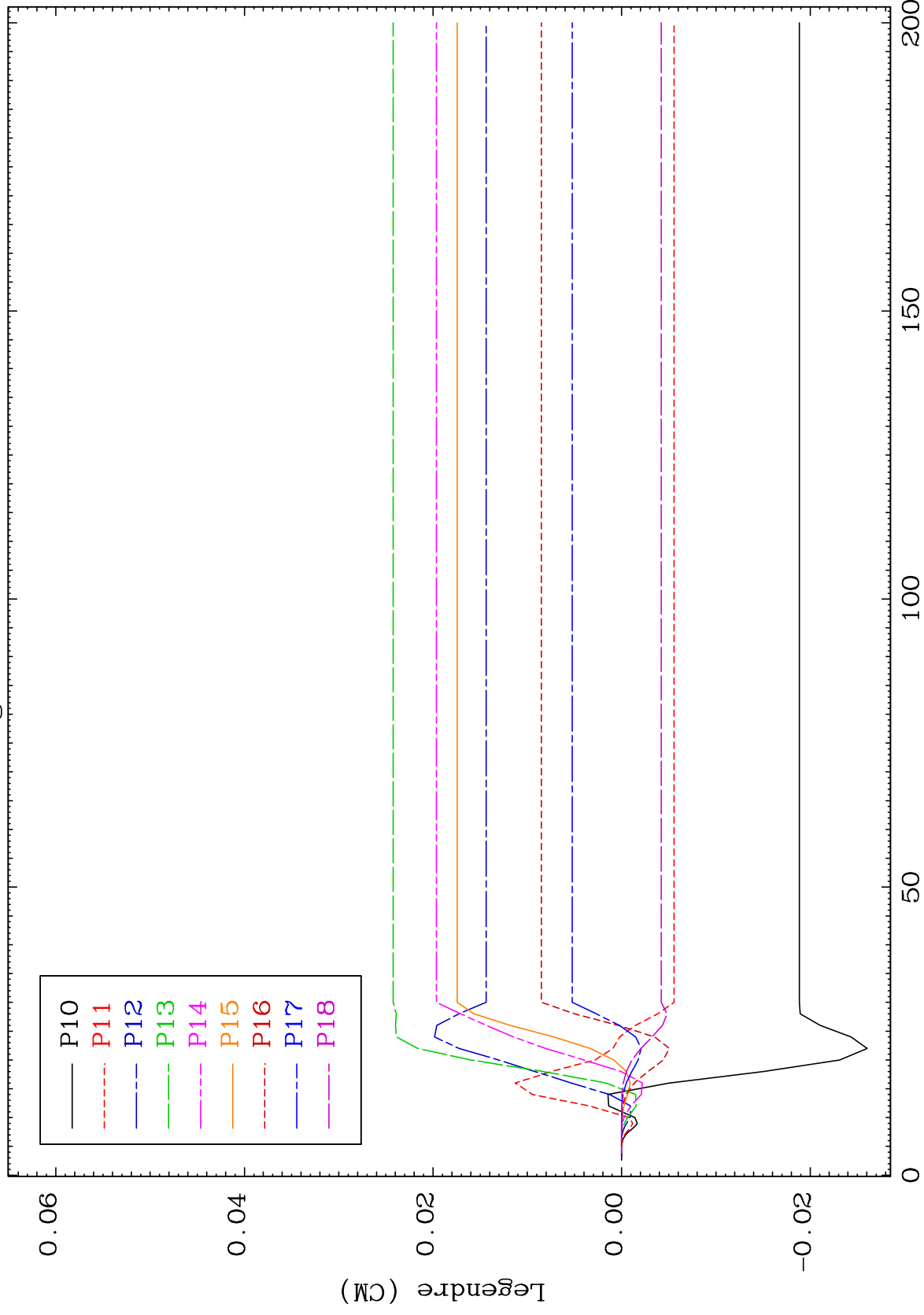
Incident Energy (MeV)

88

MAT 6231

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

62-Sm-146



89

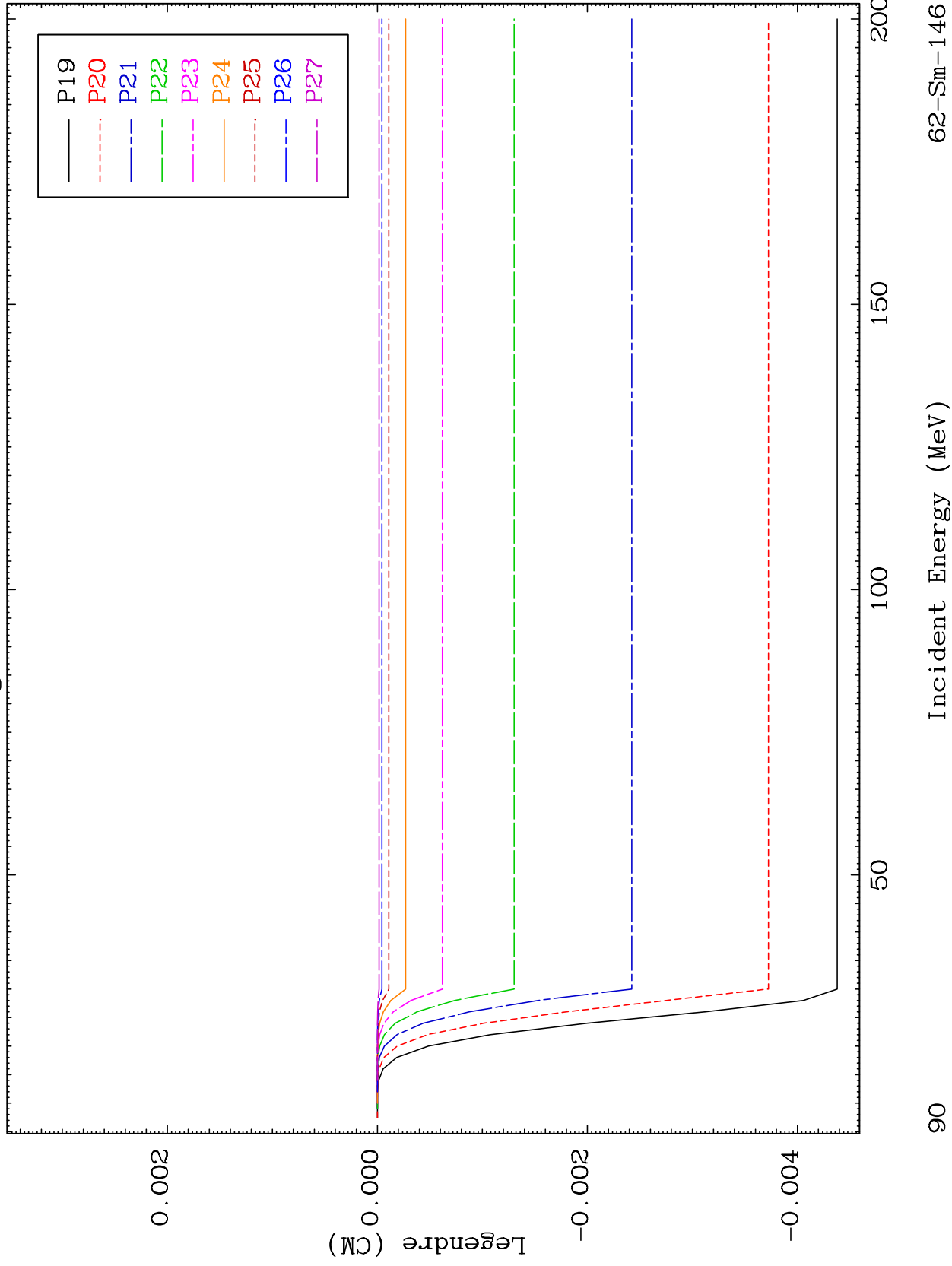
Incident Energy (MeV)

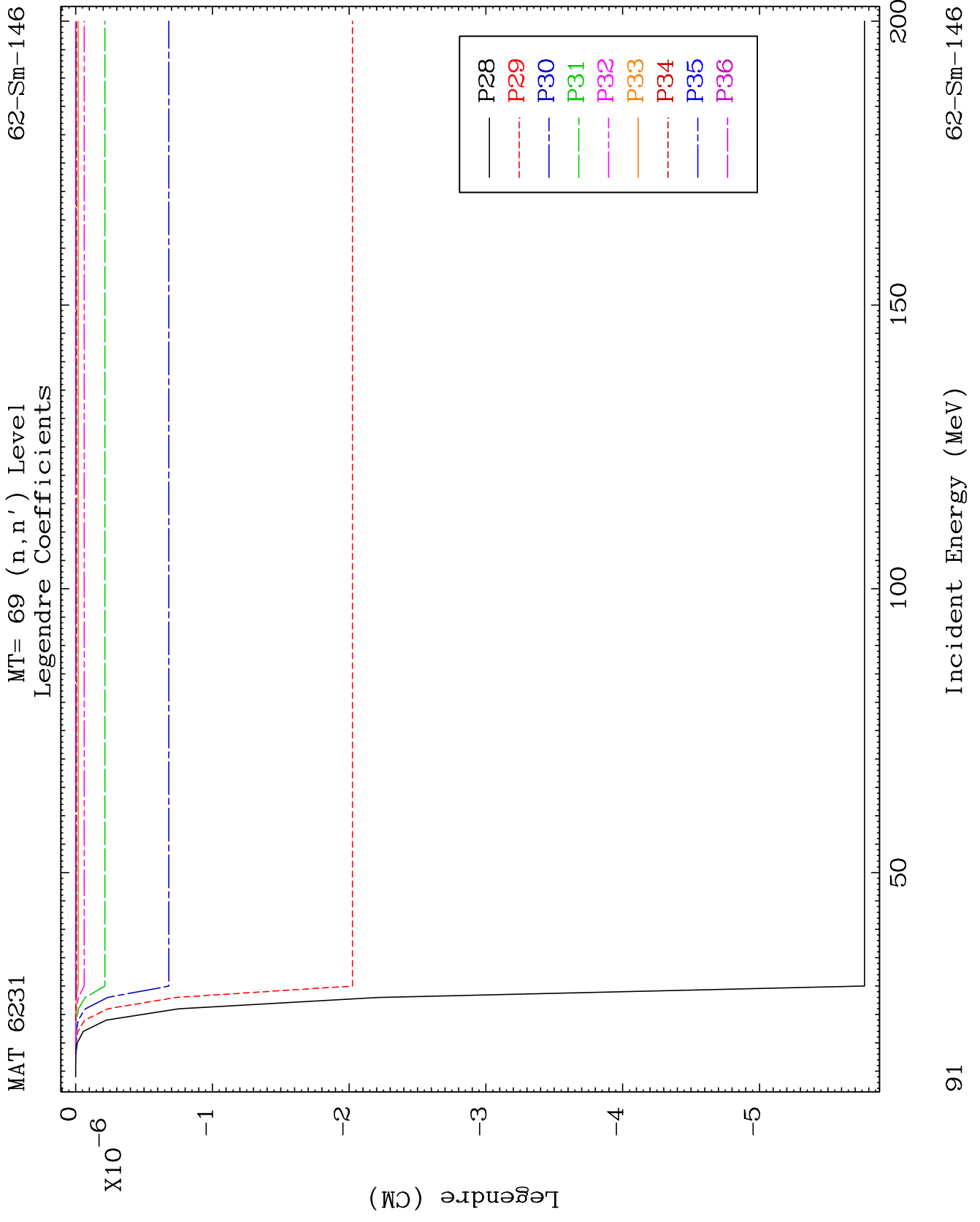
62-Sm-146

MAT 6231

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

62-Sm-146

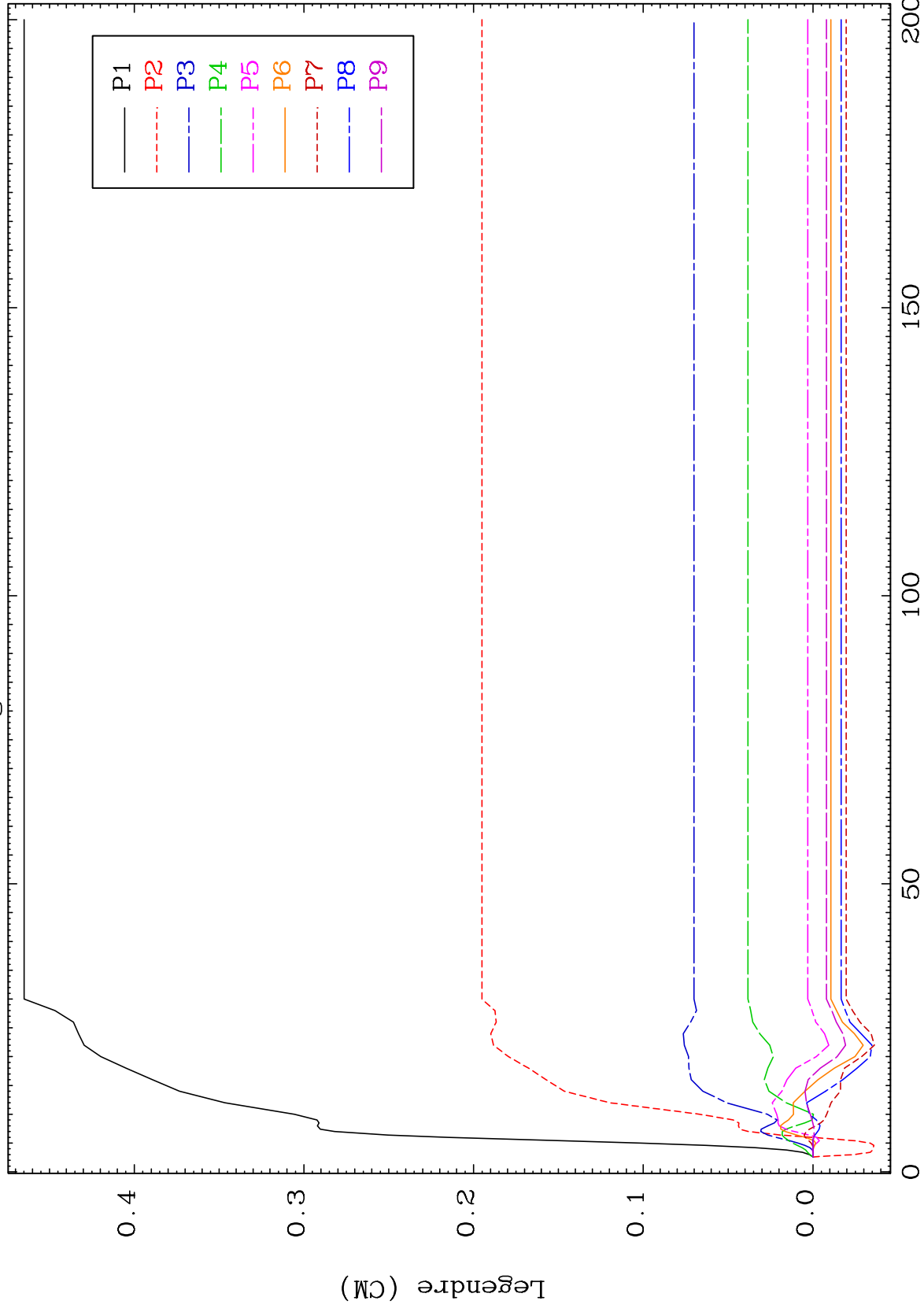




MAT 6231

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

62-Sm-146



92

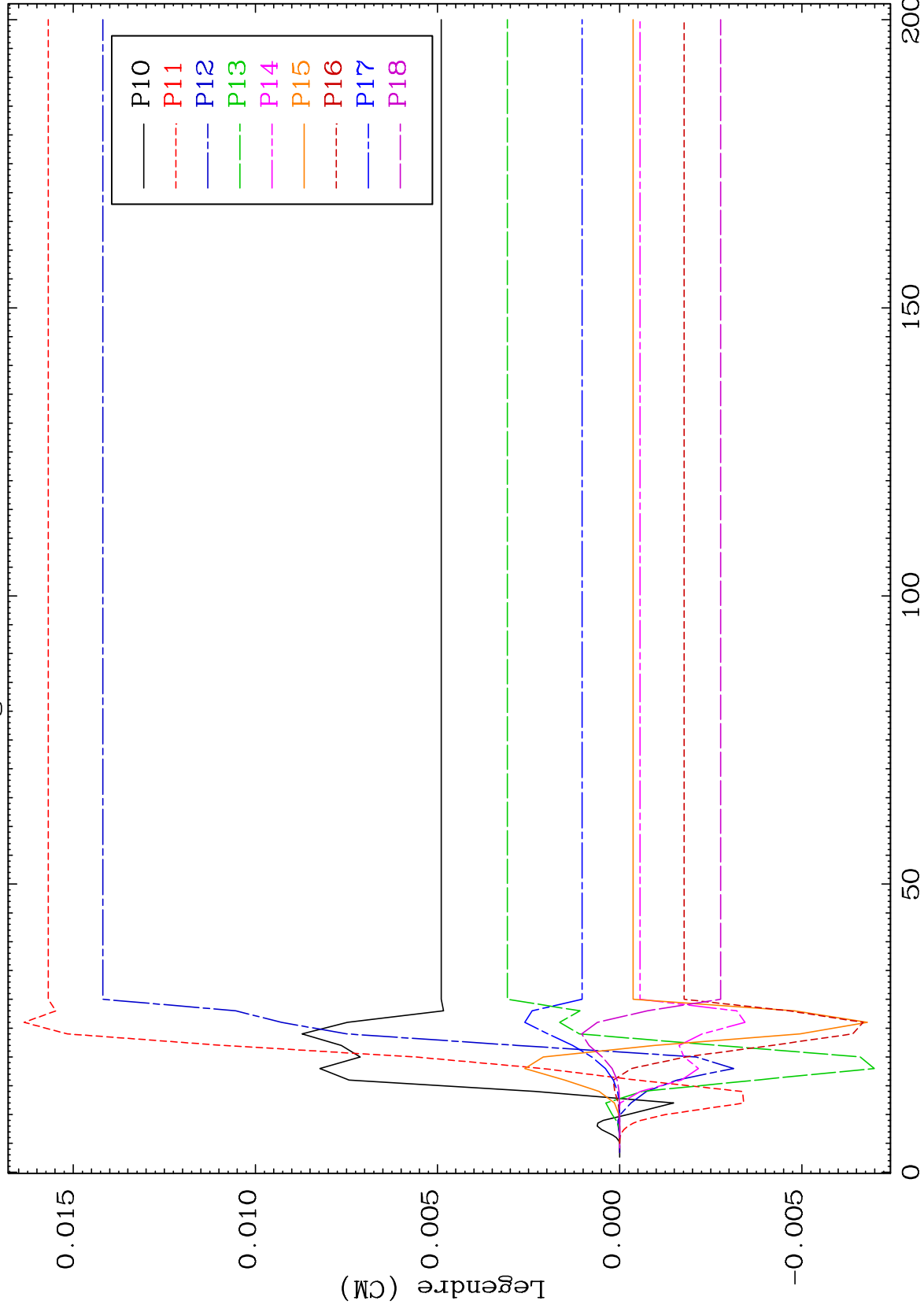
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

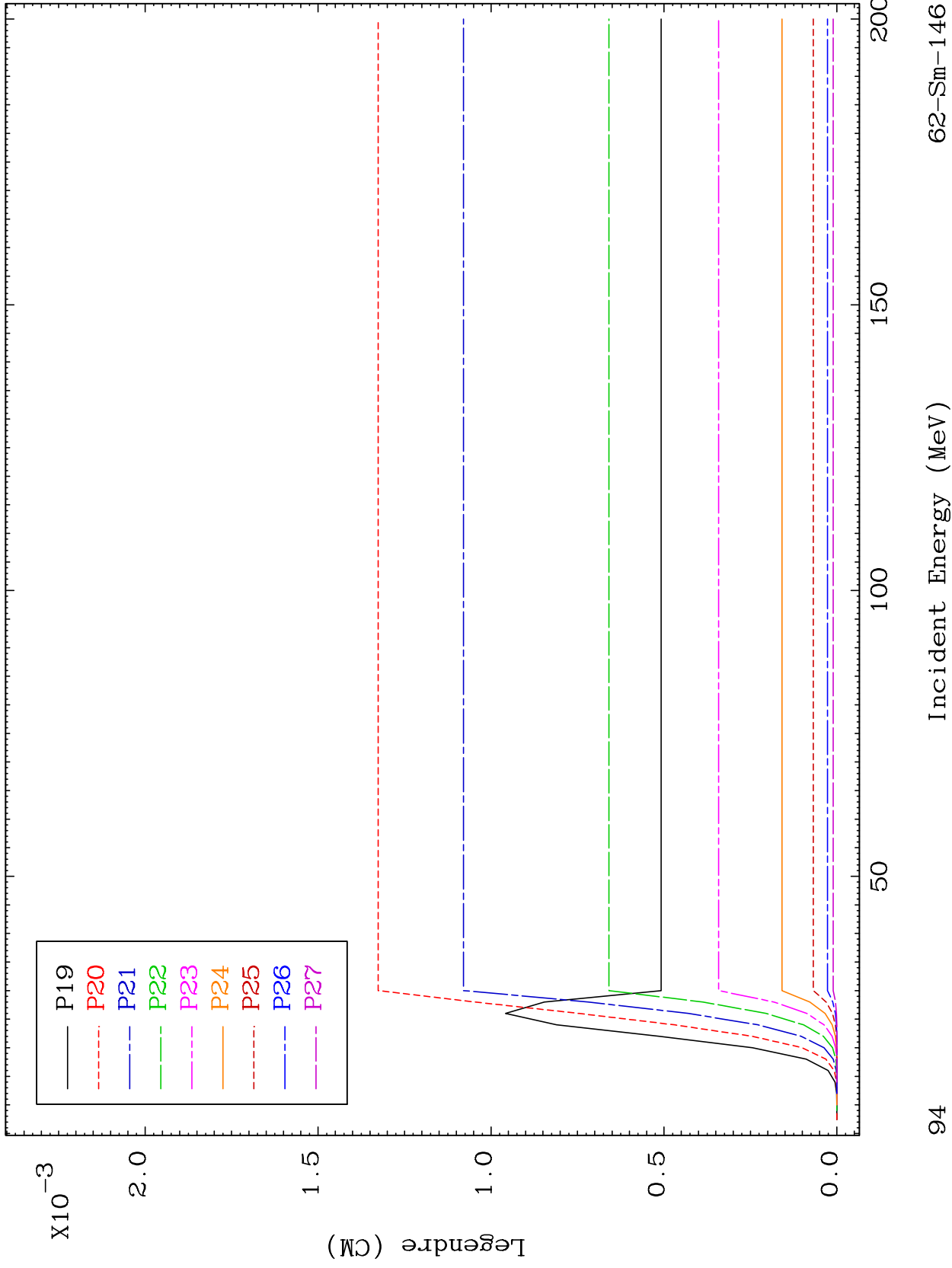
62-Sm-146



93

Incident Energy (MeV)

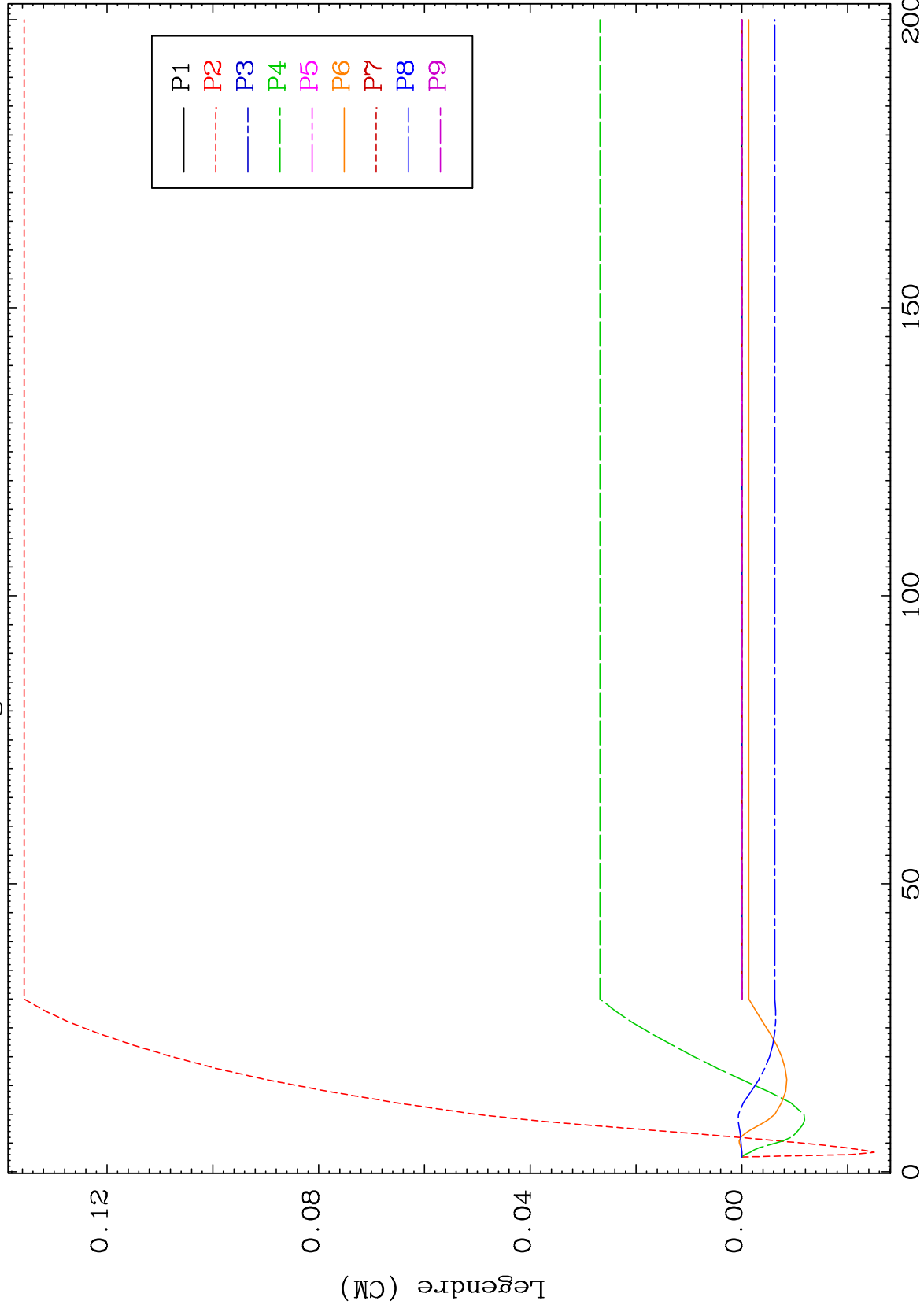
62-Sm-146



MAT 6231

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

62-Sm-146



96

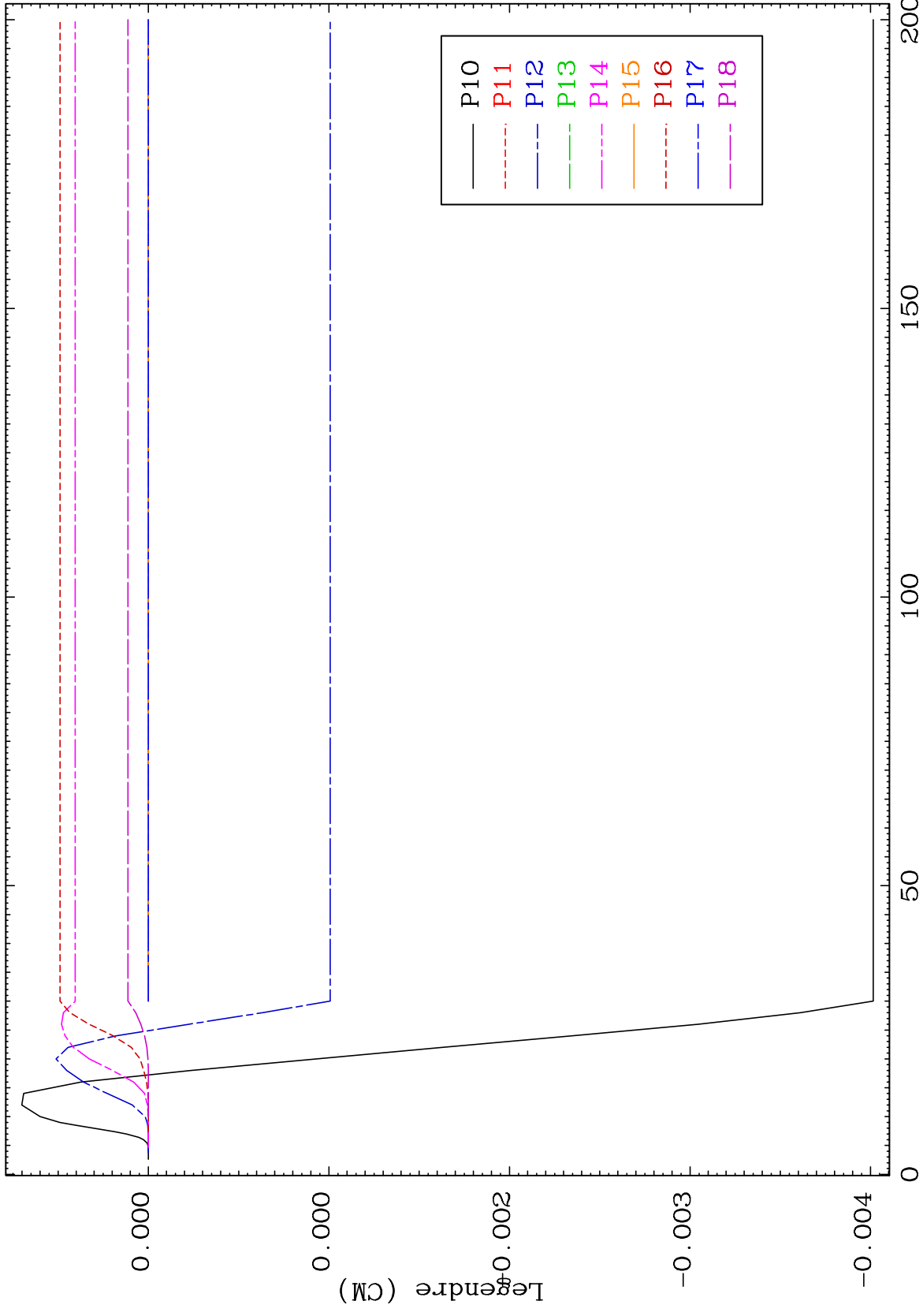
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



97

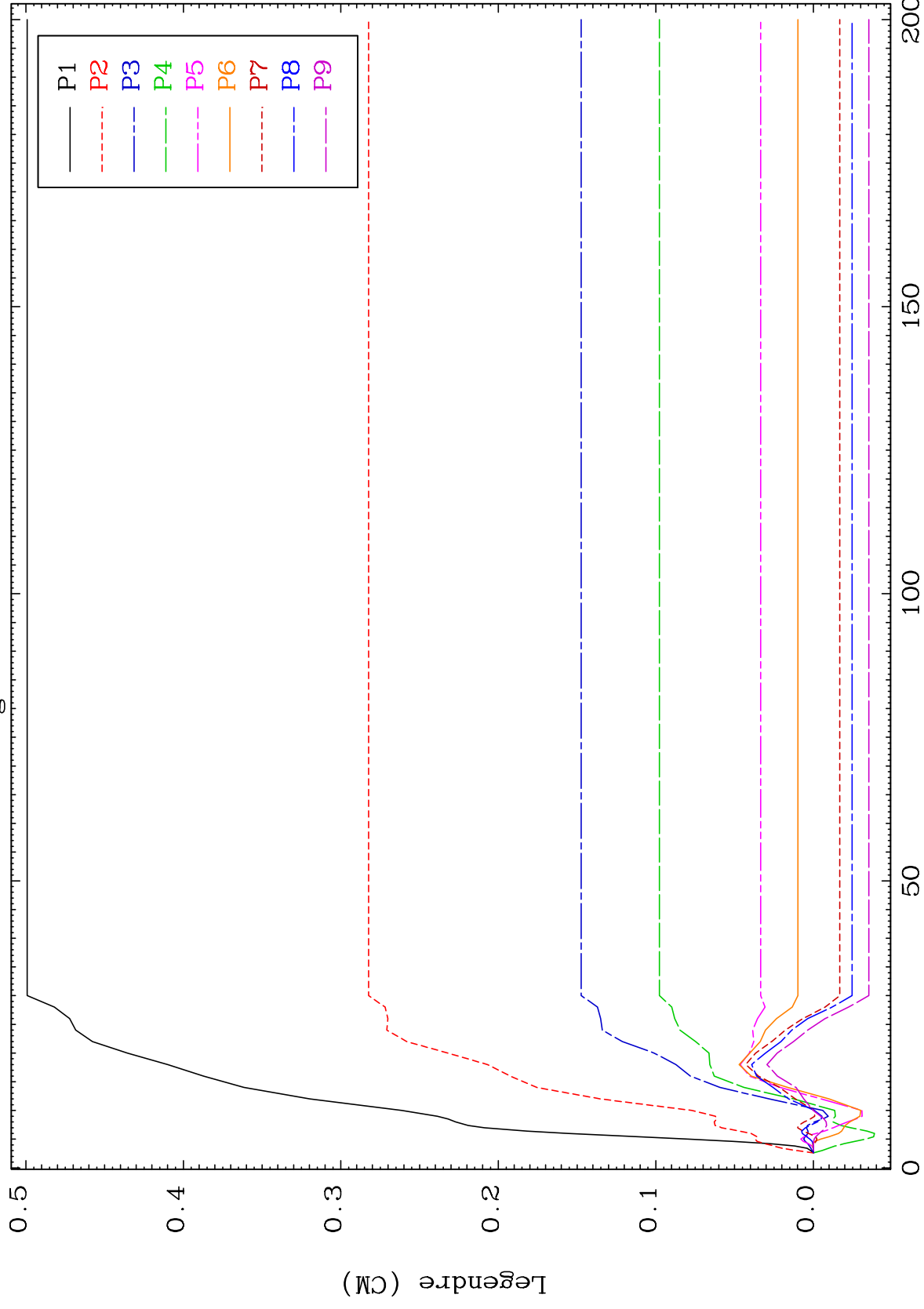
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



99

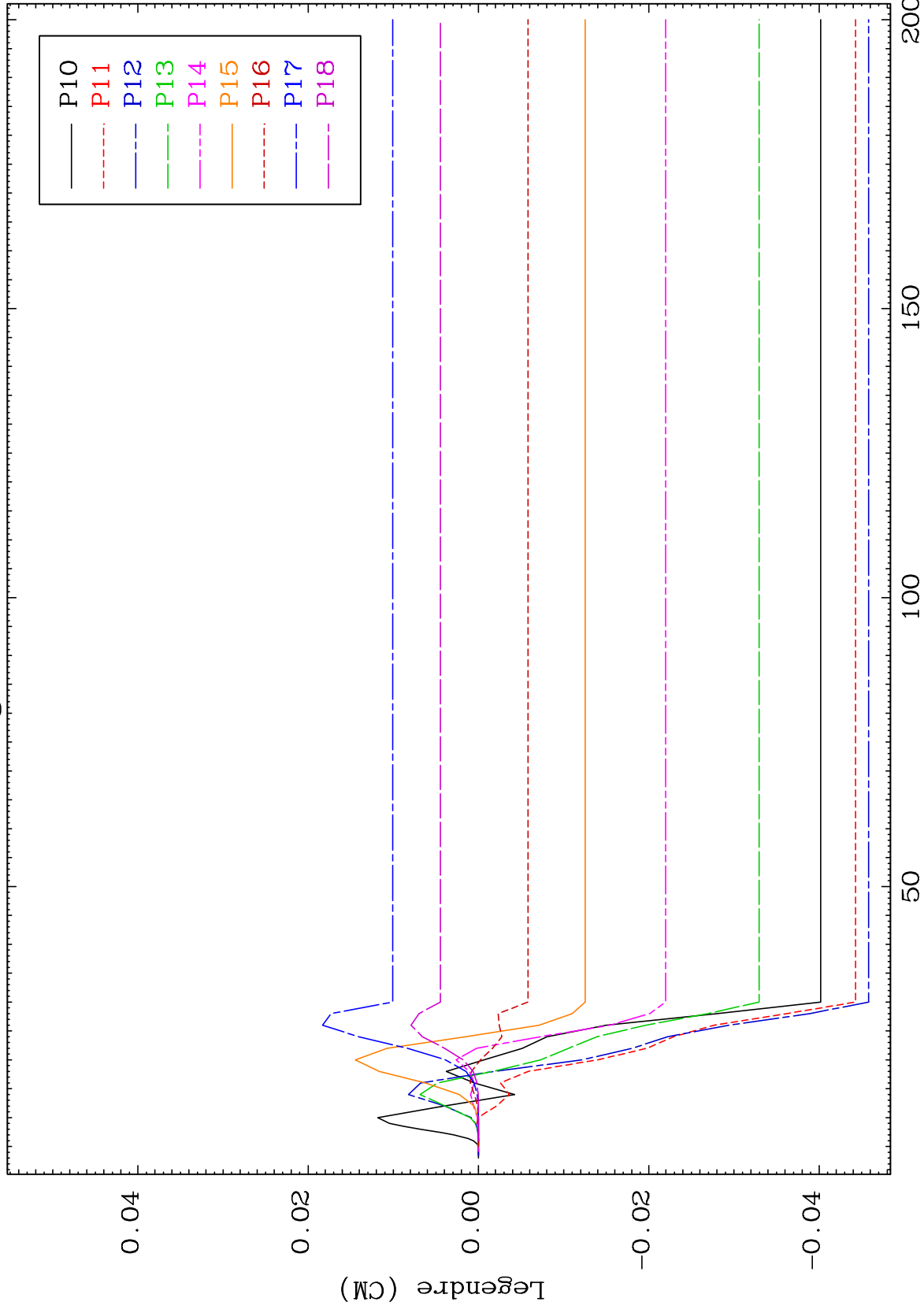
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



100

50

100

150

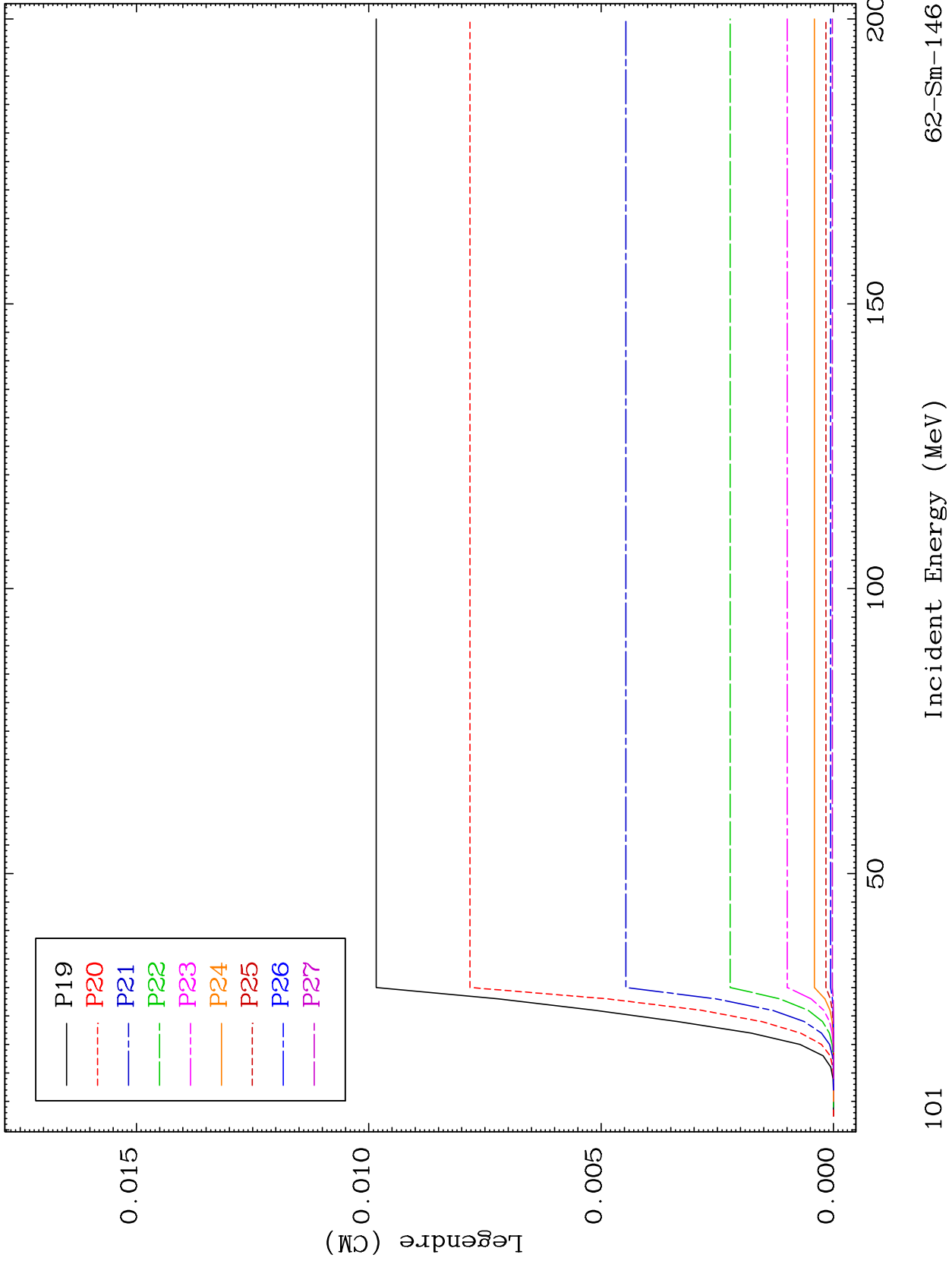
200

62-Sm-146

MAT 6231

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

62-Sm-146



101

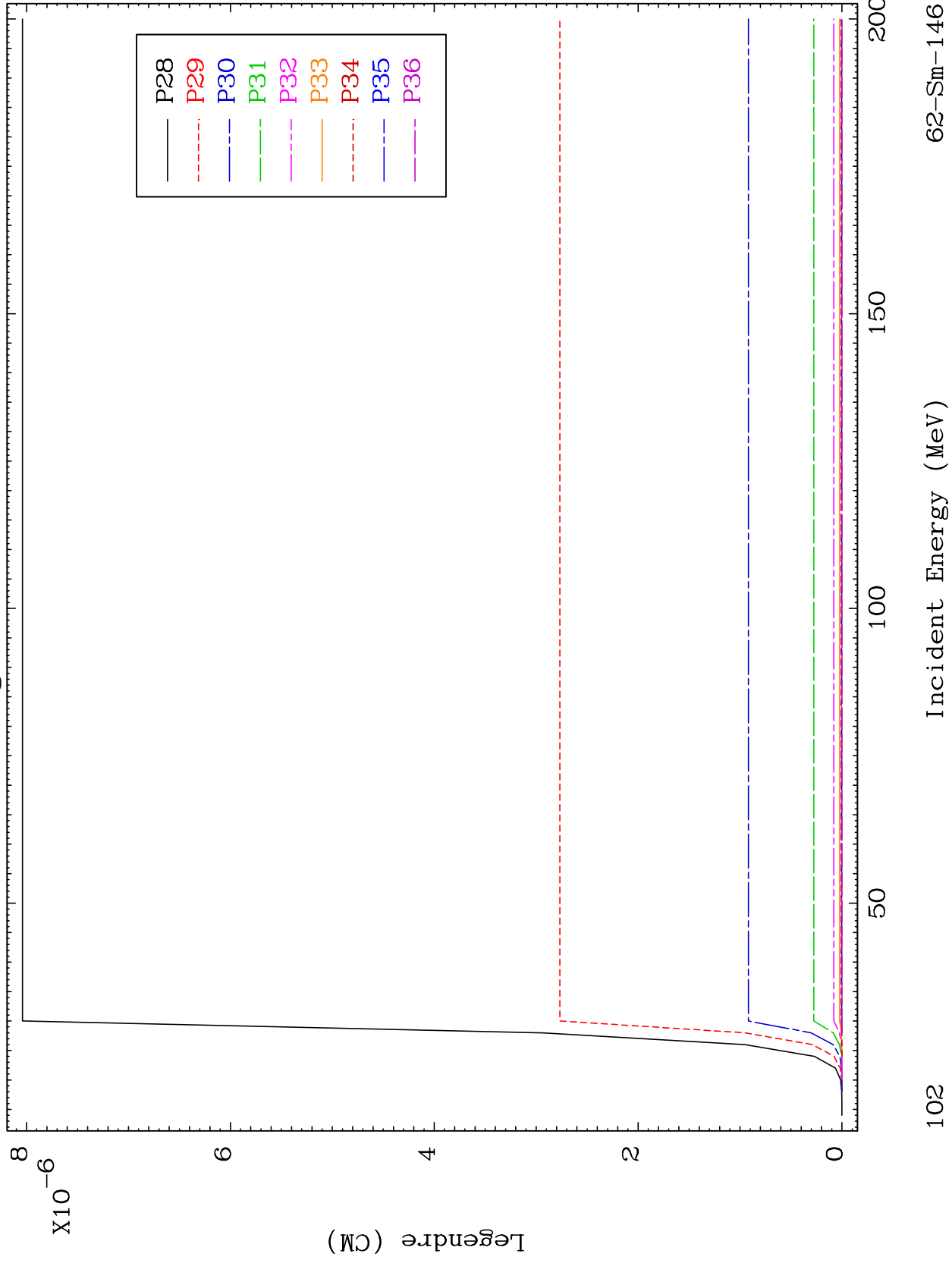
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



62-Sm-146

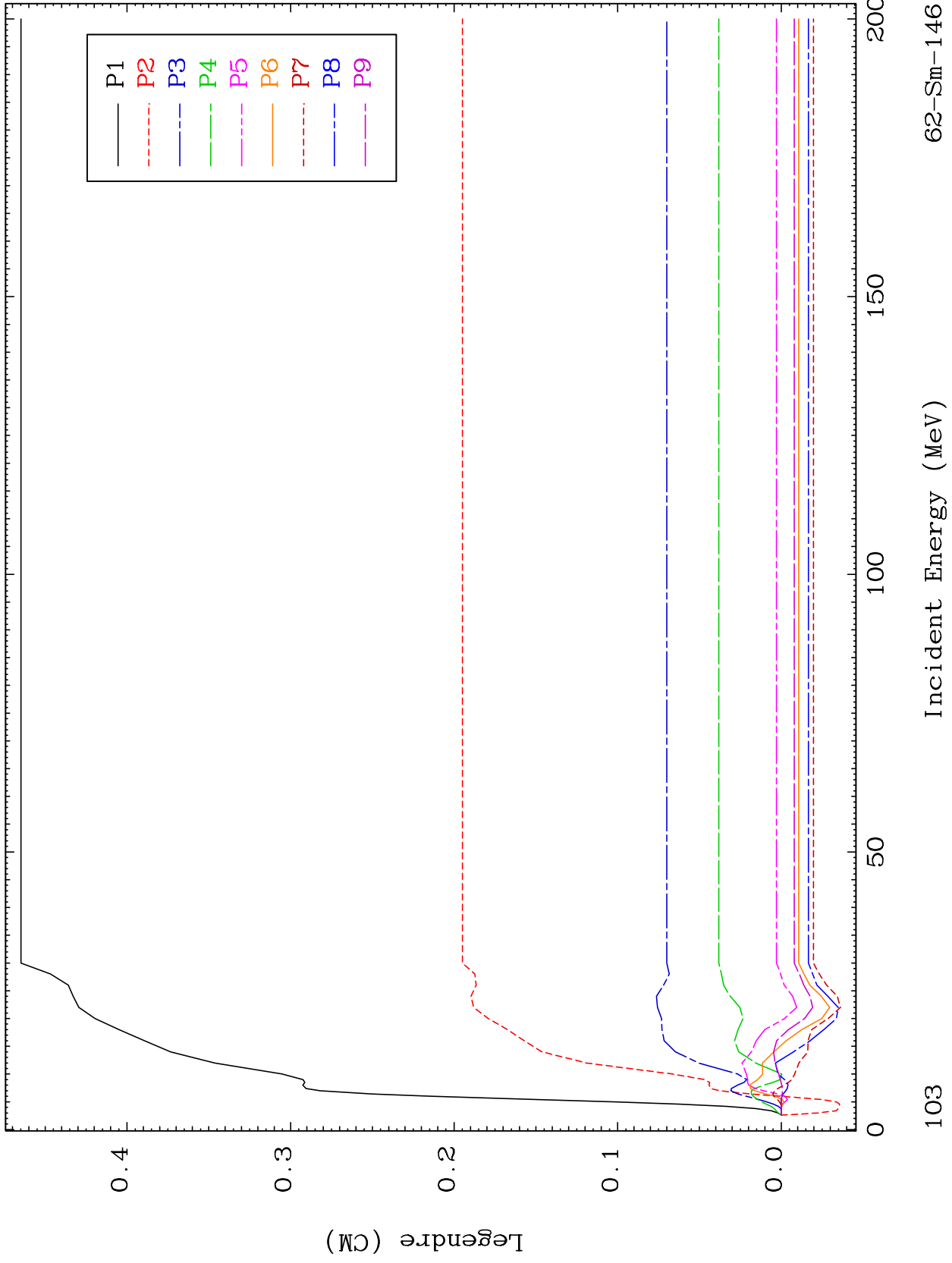
Incident Energy (MeV)

102

MAT 6231

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

62-Sm-146



62-Sm-146

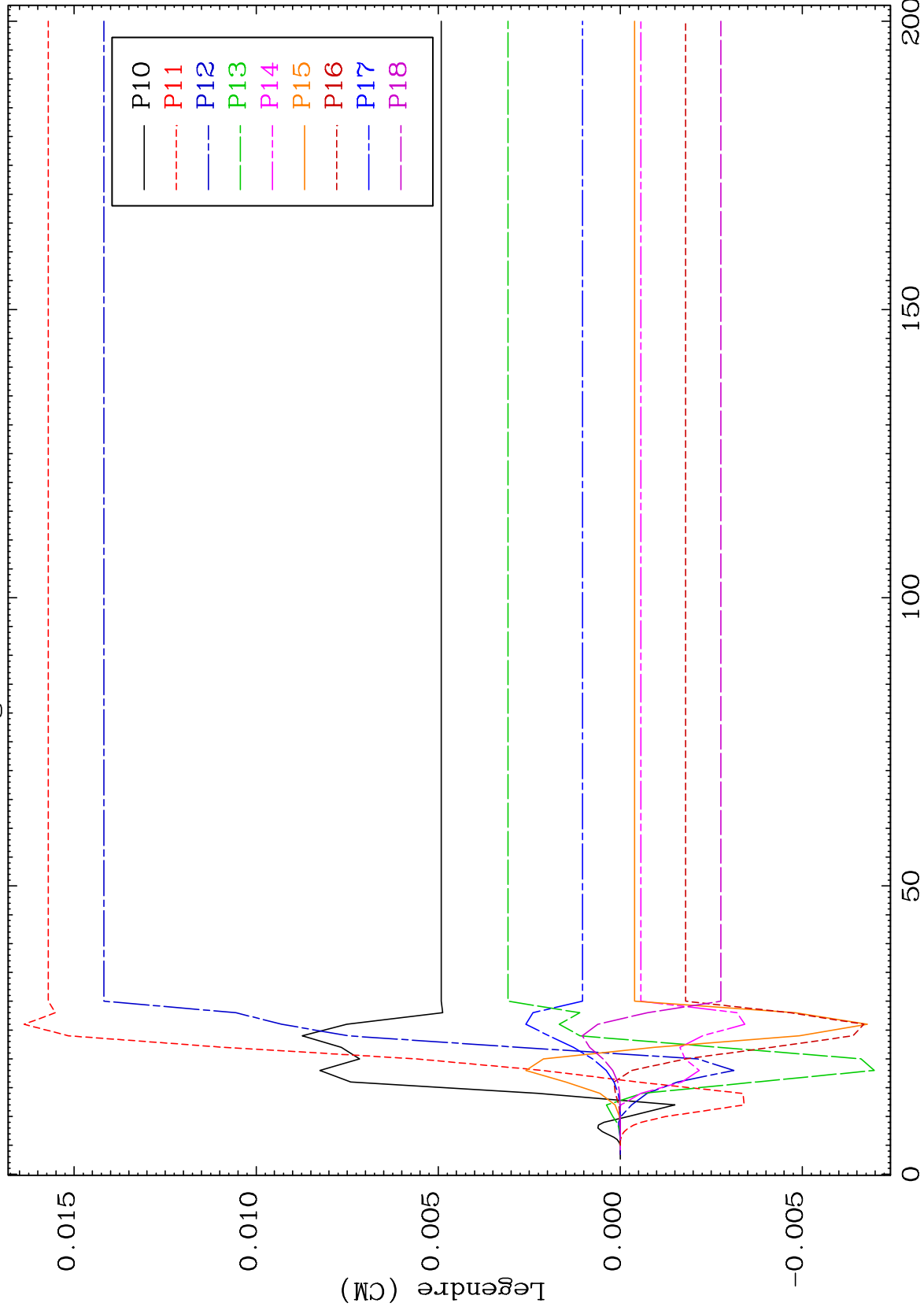
Incident Energy (MeV)

103

MAT 6231

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

62-Sm-146



104

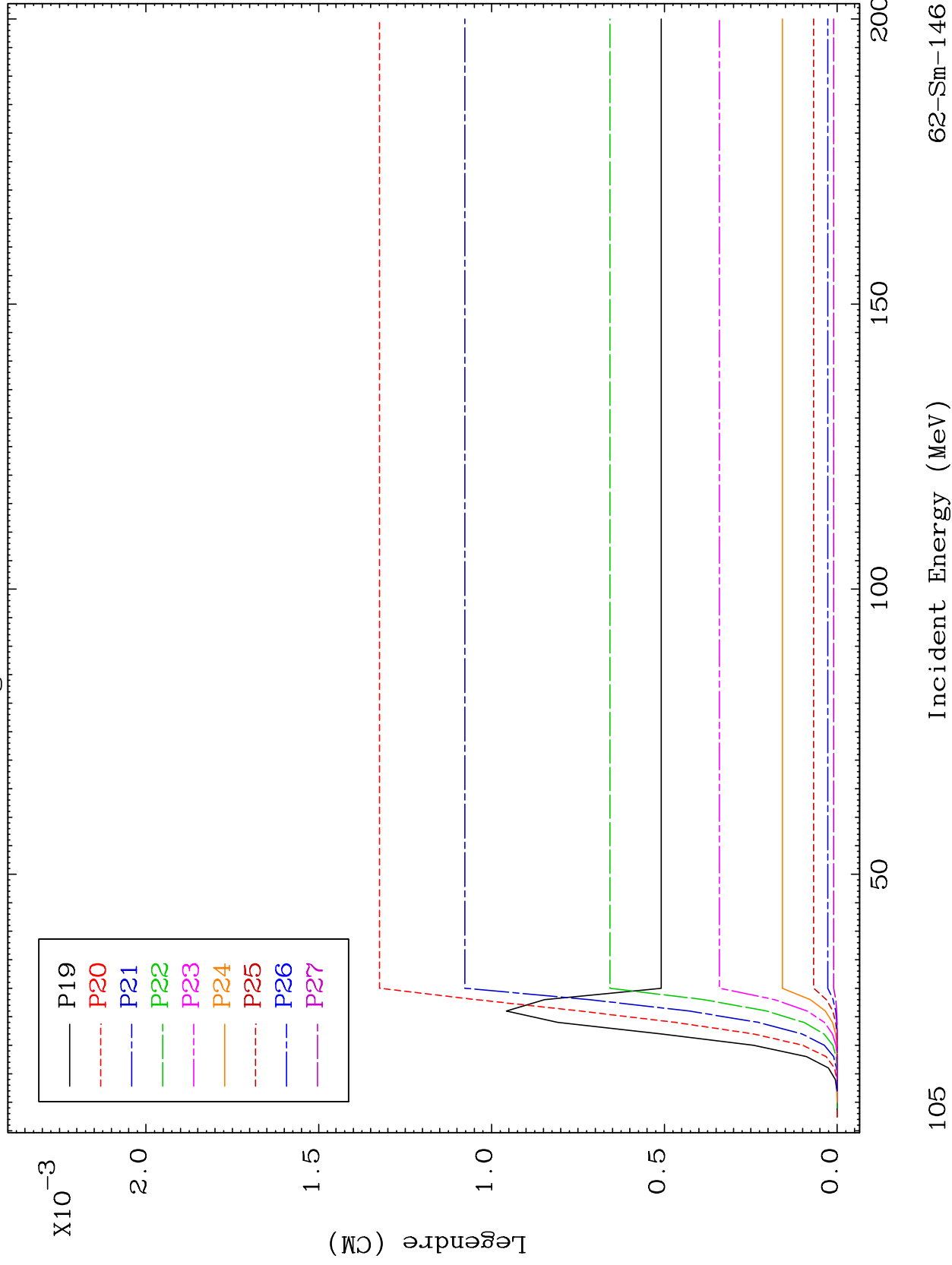
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



105

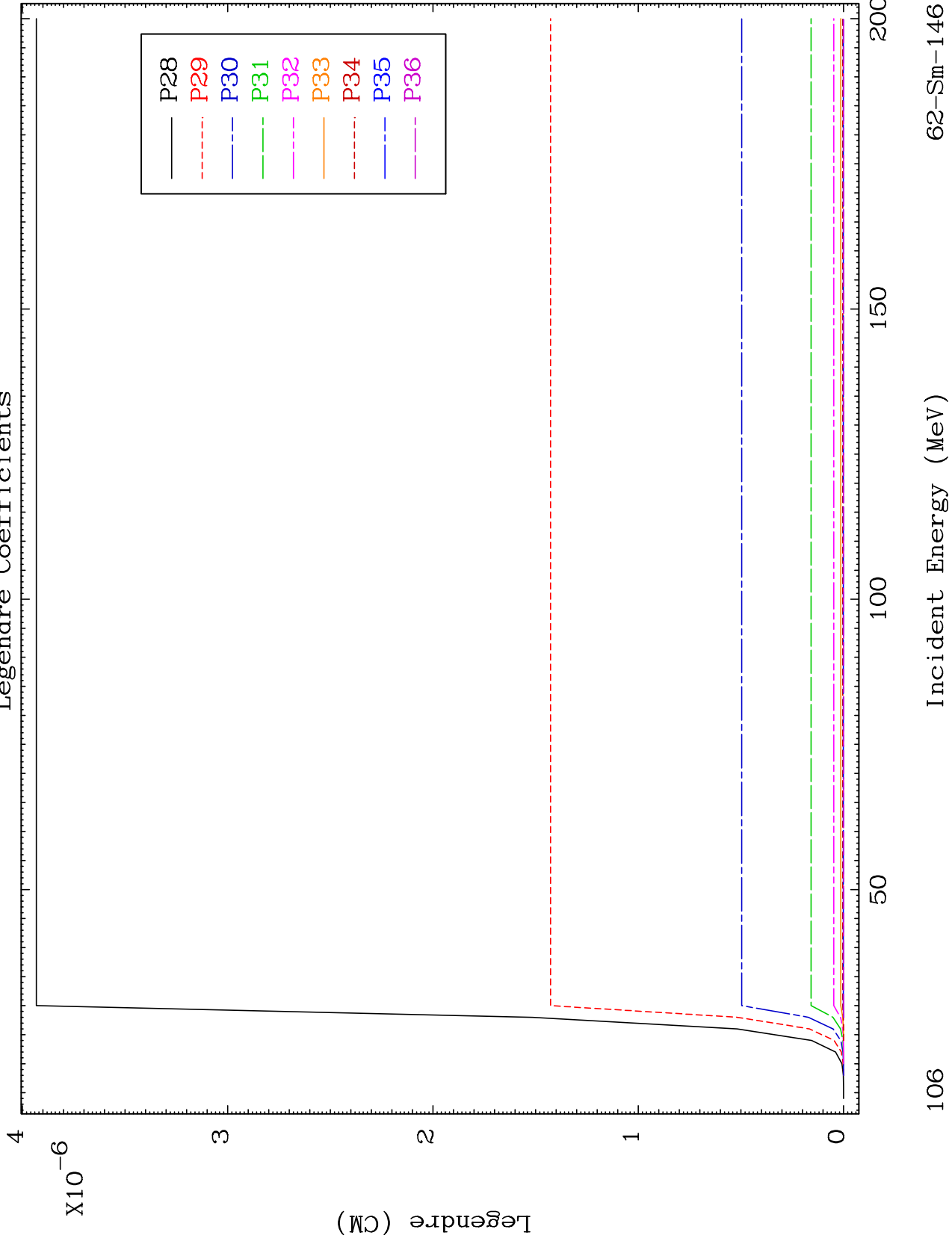
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

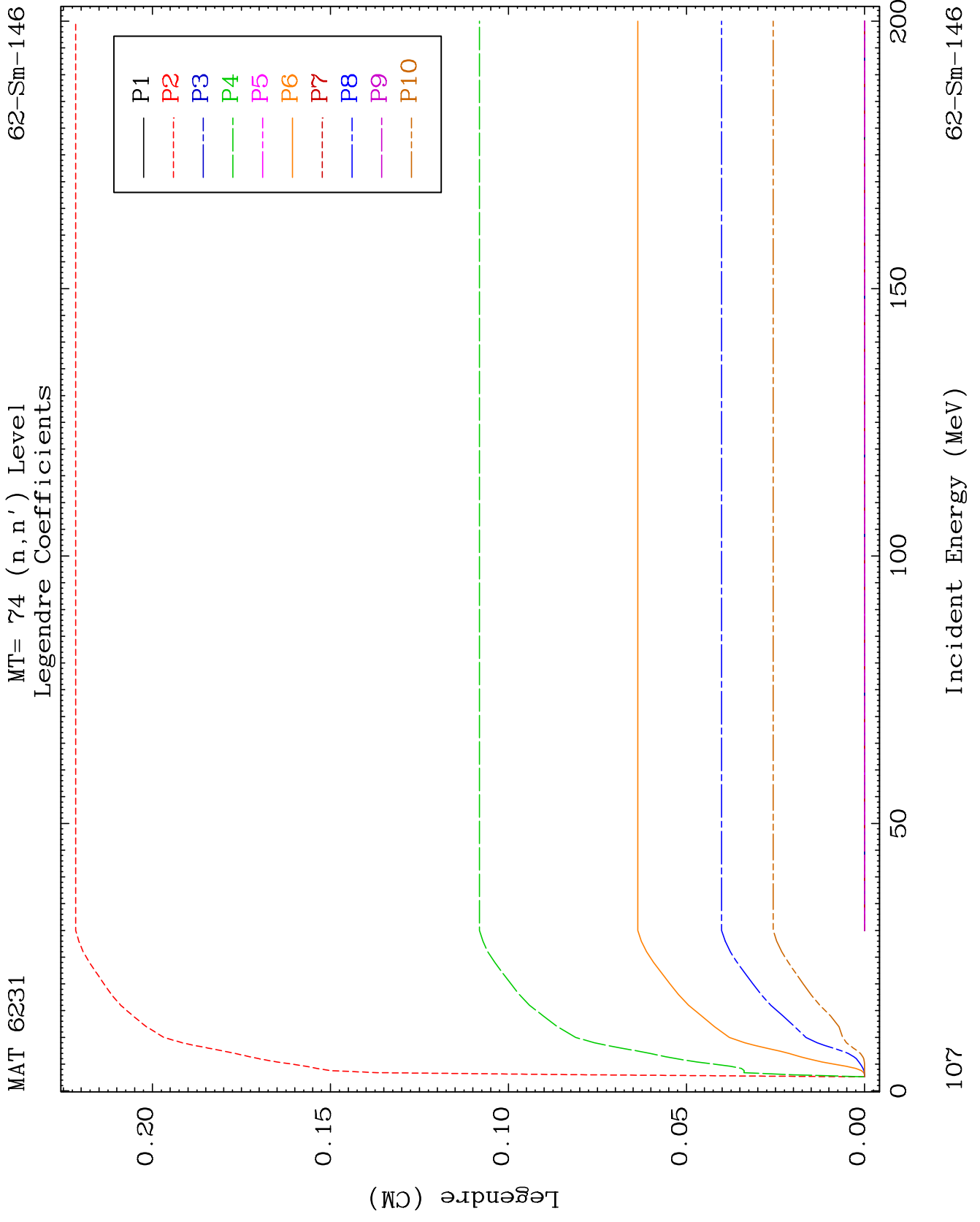
62-Sm-146



106

Incident Energy (MeV)

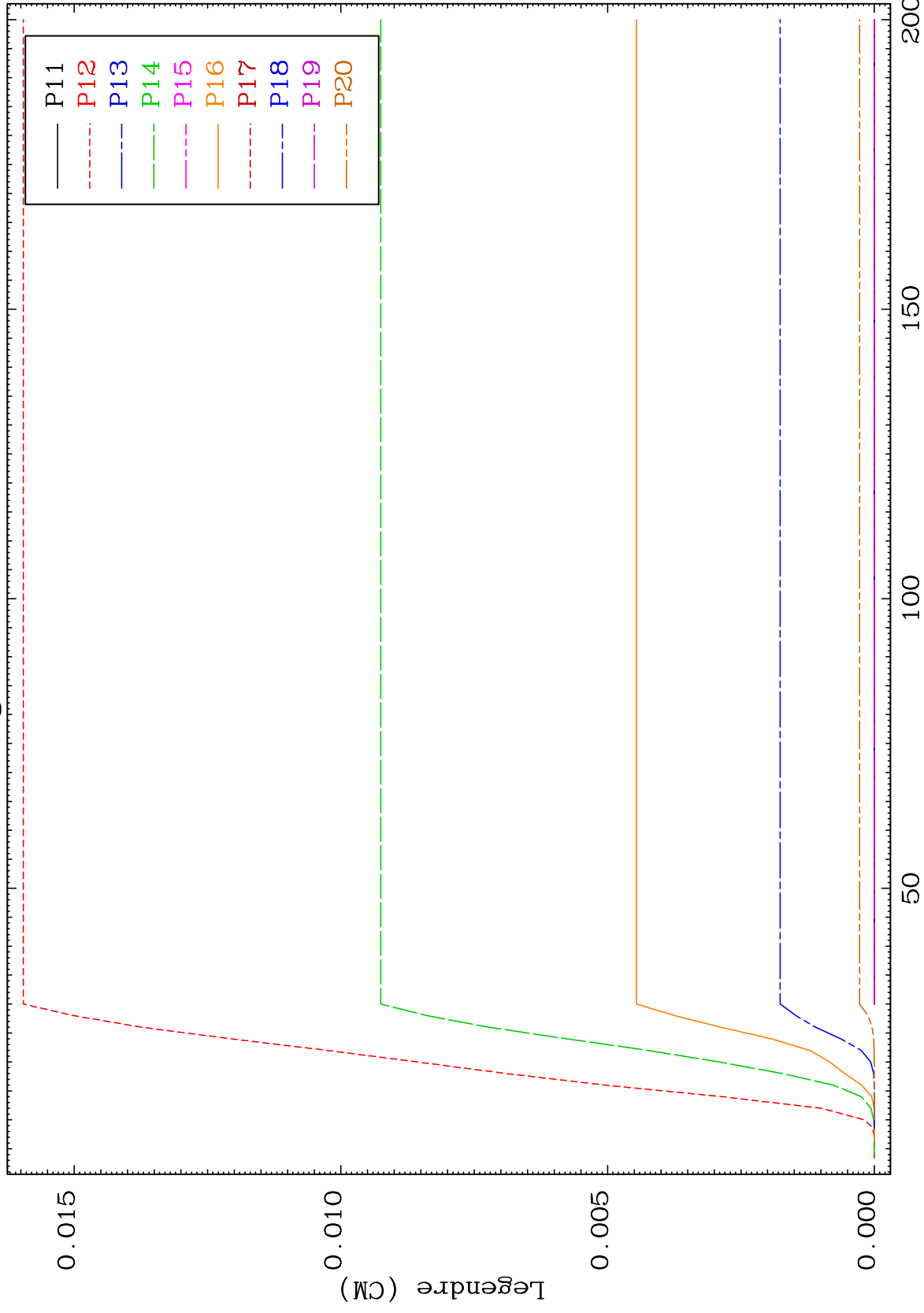
62-Sm-146



MAT 6231

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

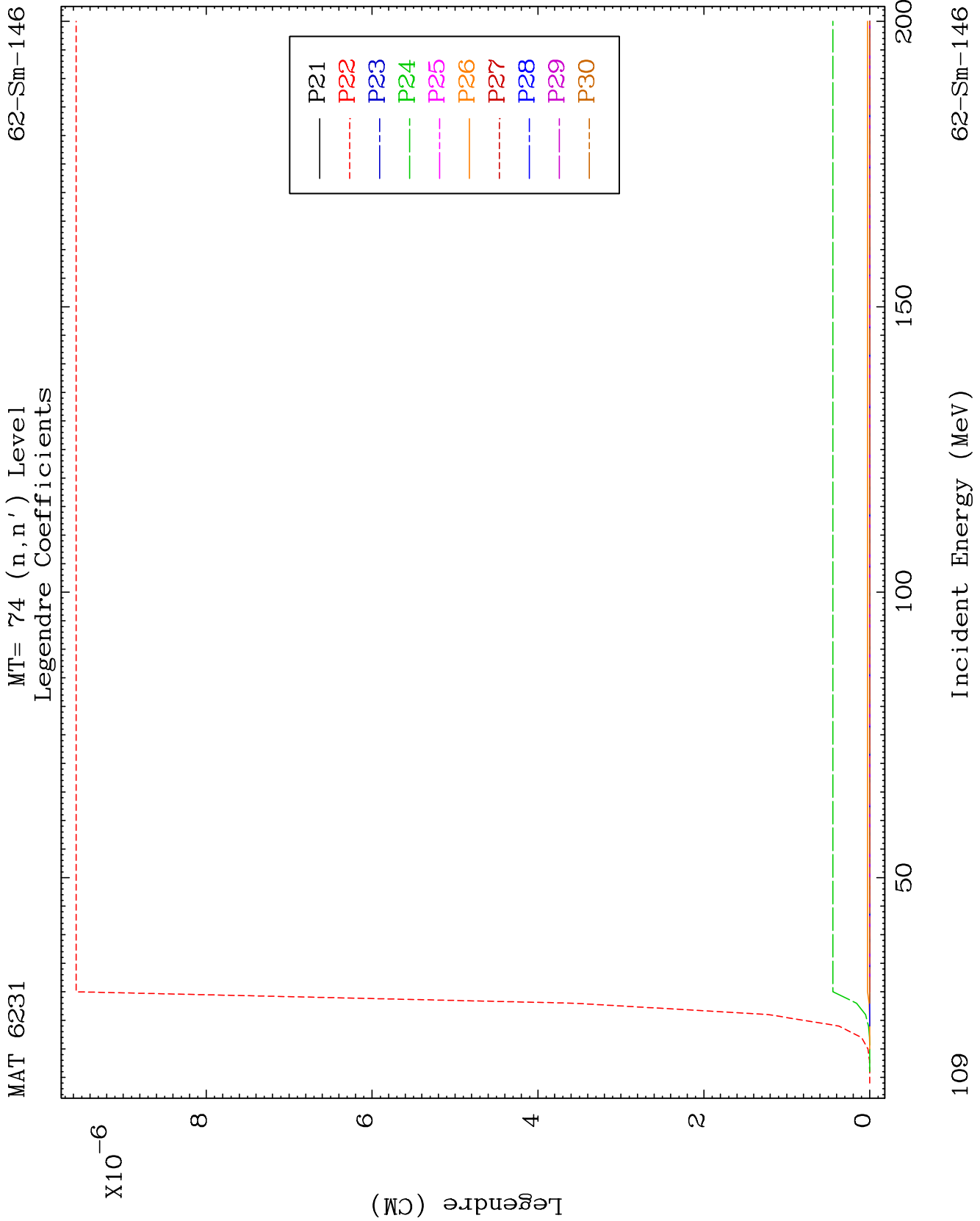
62-Sm-146



108

Incident Energy (MeV)

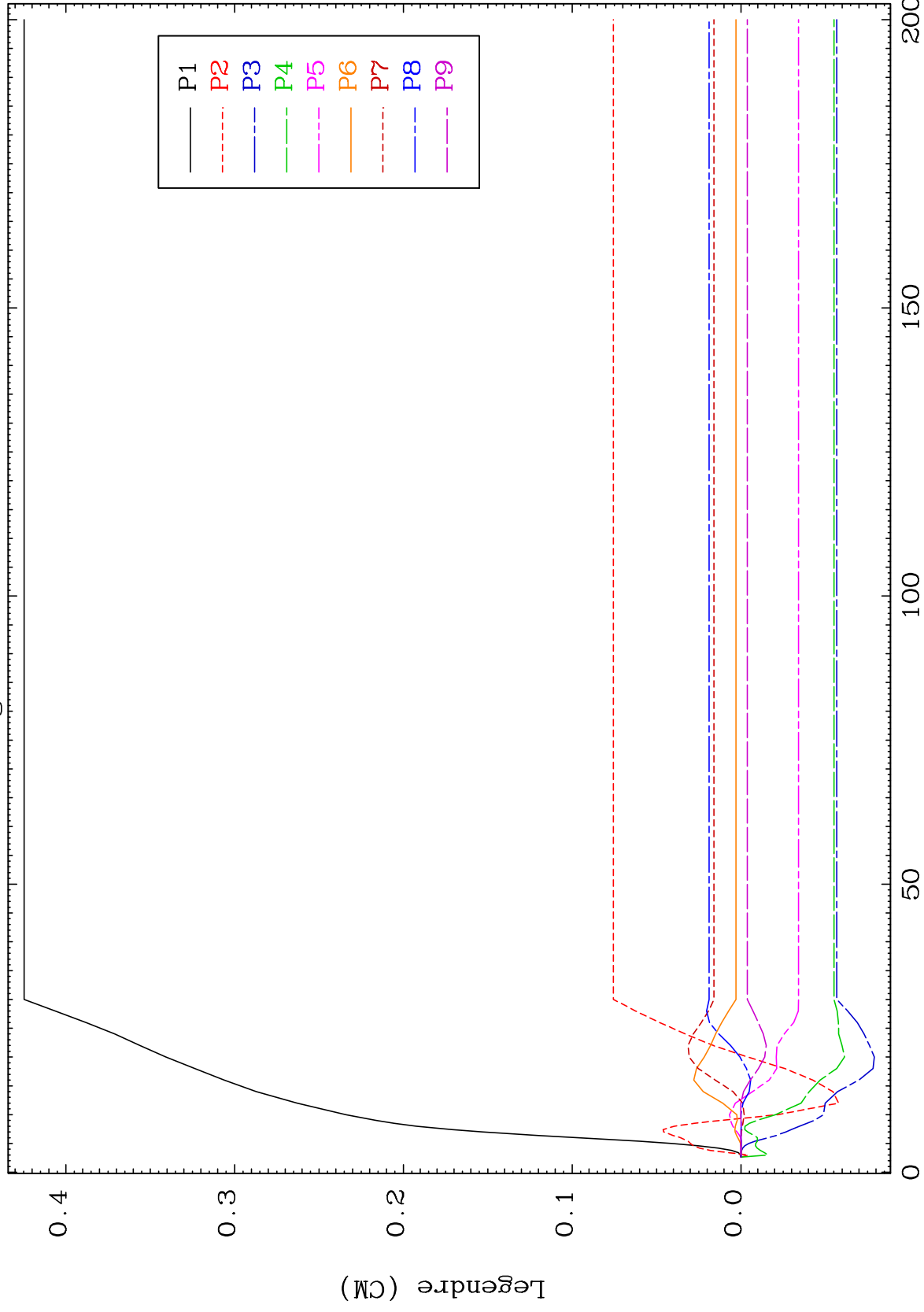
62-Sm-146



MAT 6231

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

62-Sm-146



110

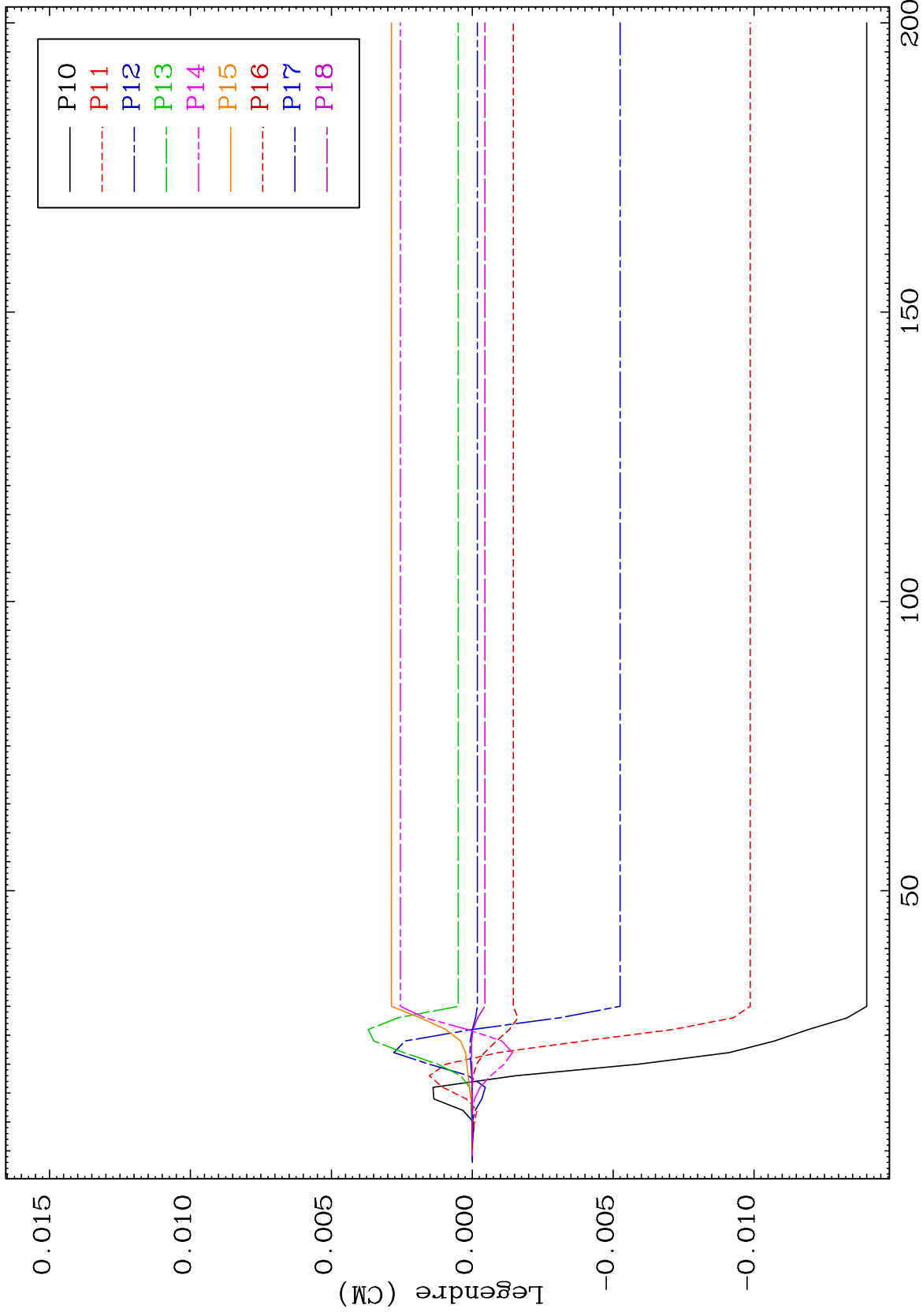
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



111

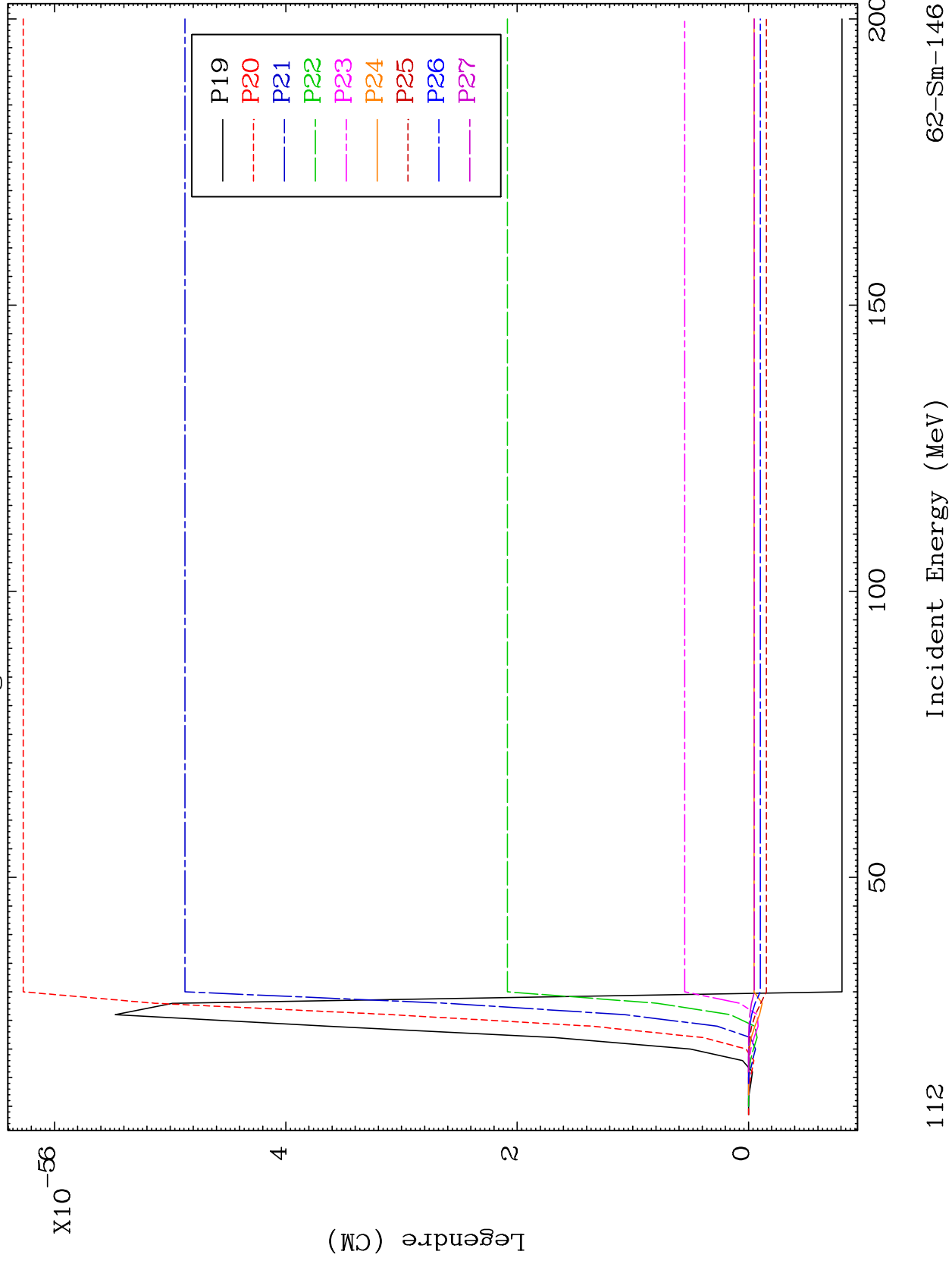
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



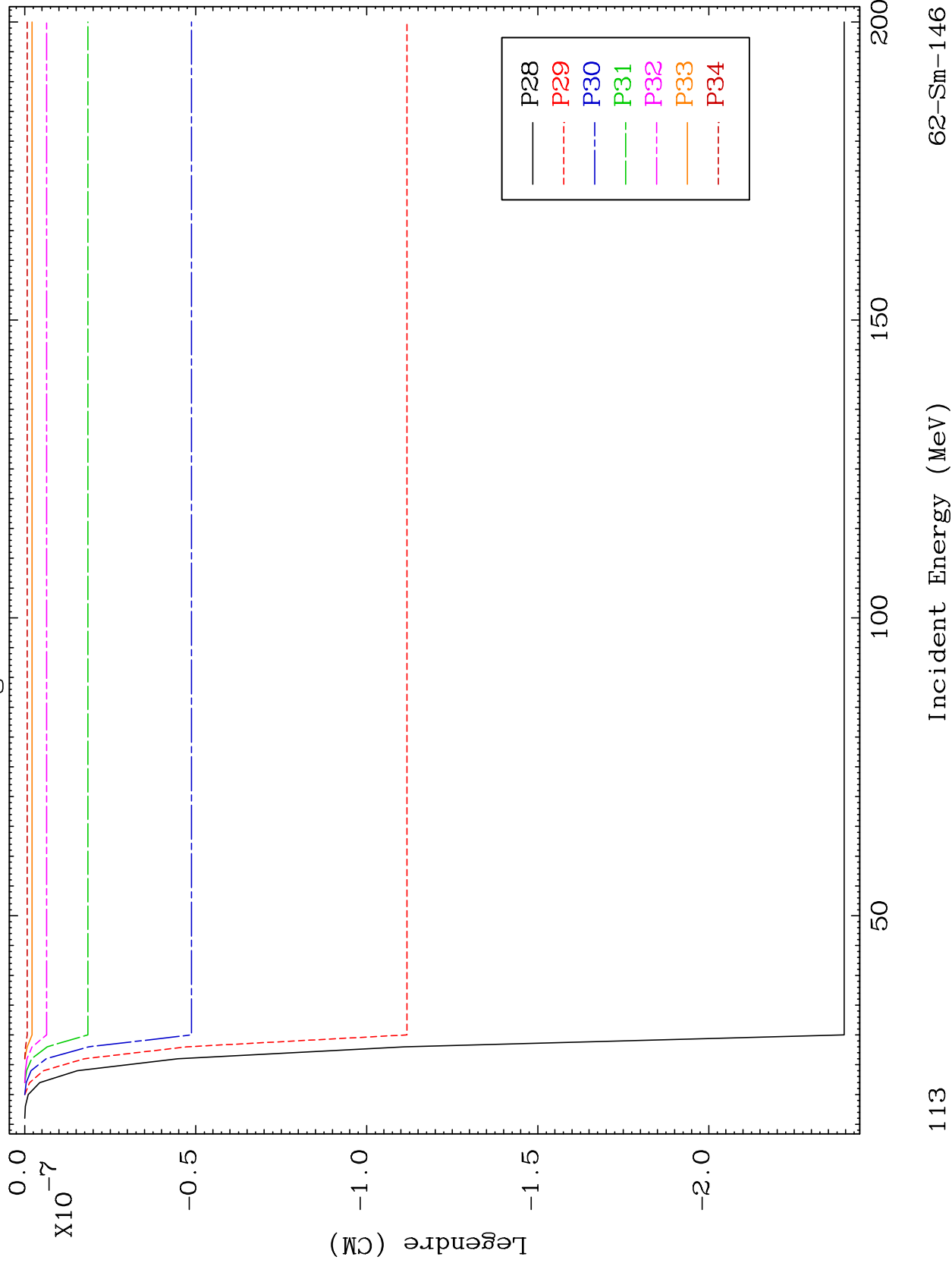
112

62-Sm-146

MAT 6231

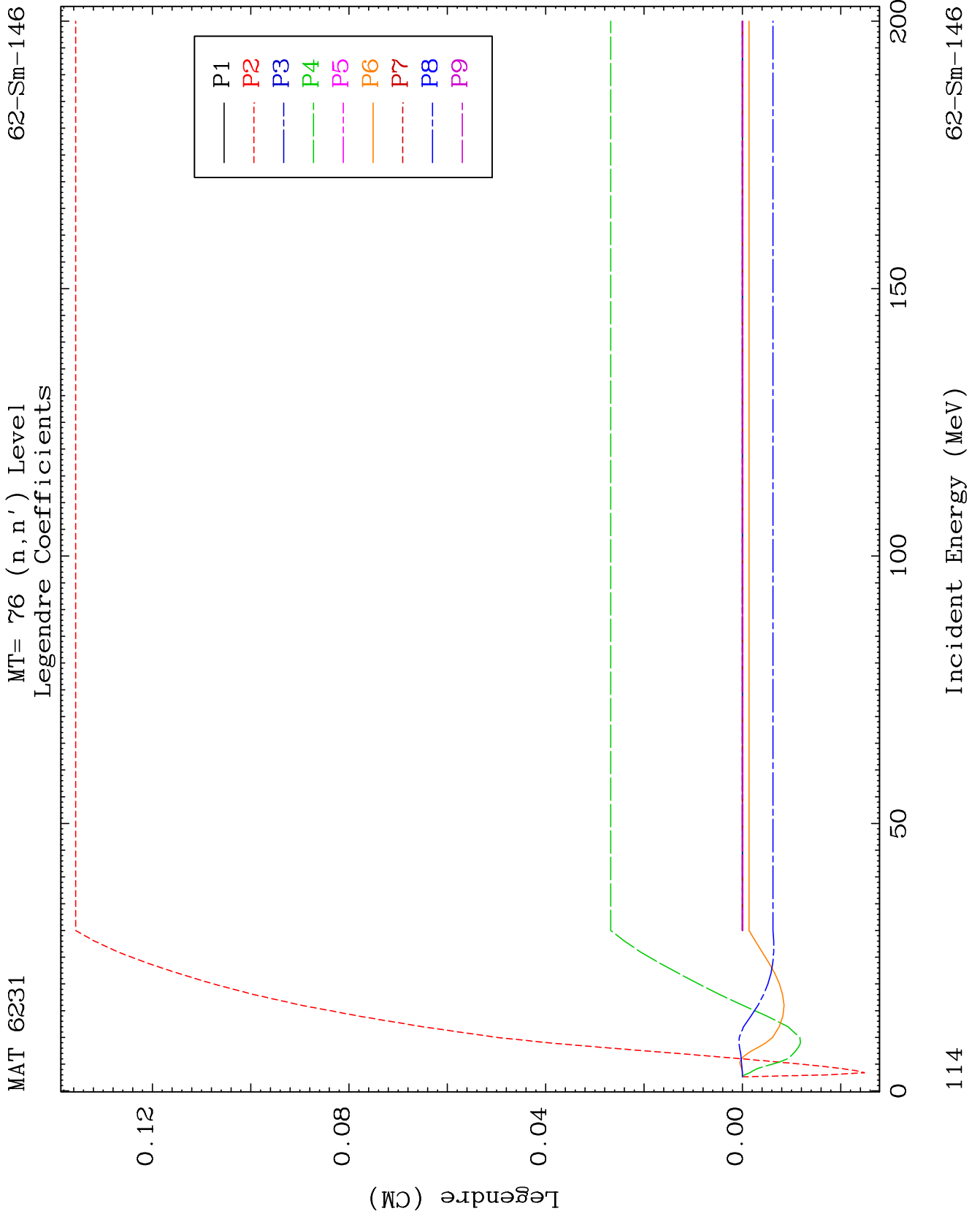
62-Sm-146

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



113

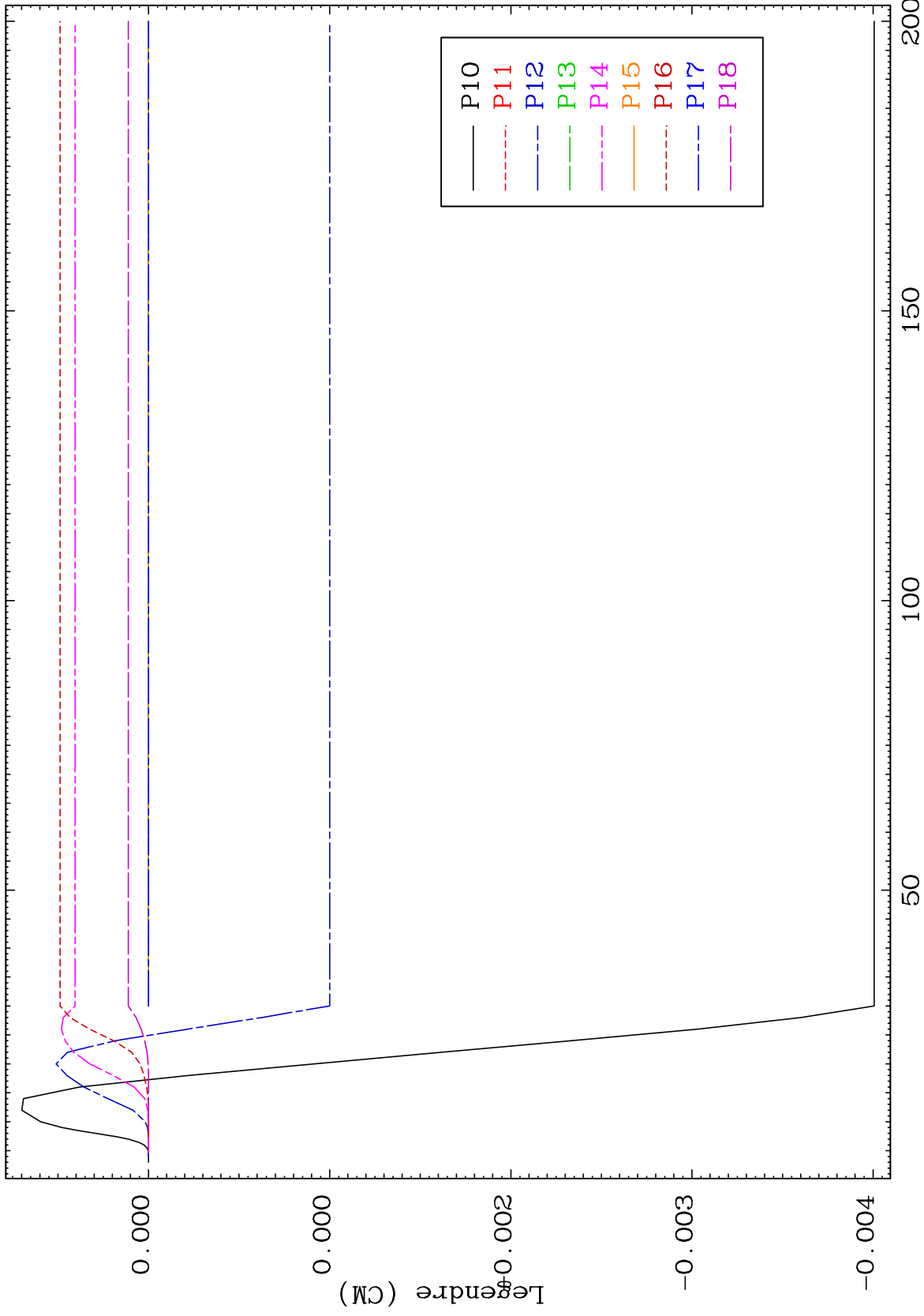
62-Sm-146



MAT 6231

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

62-Sm-146



115

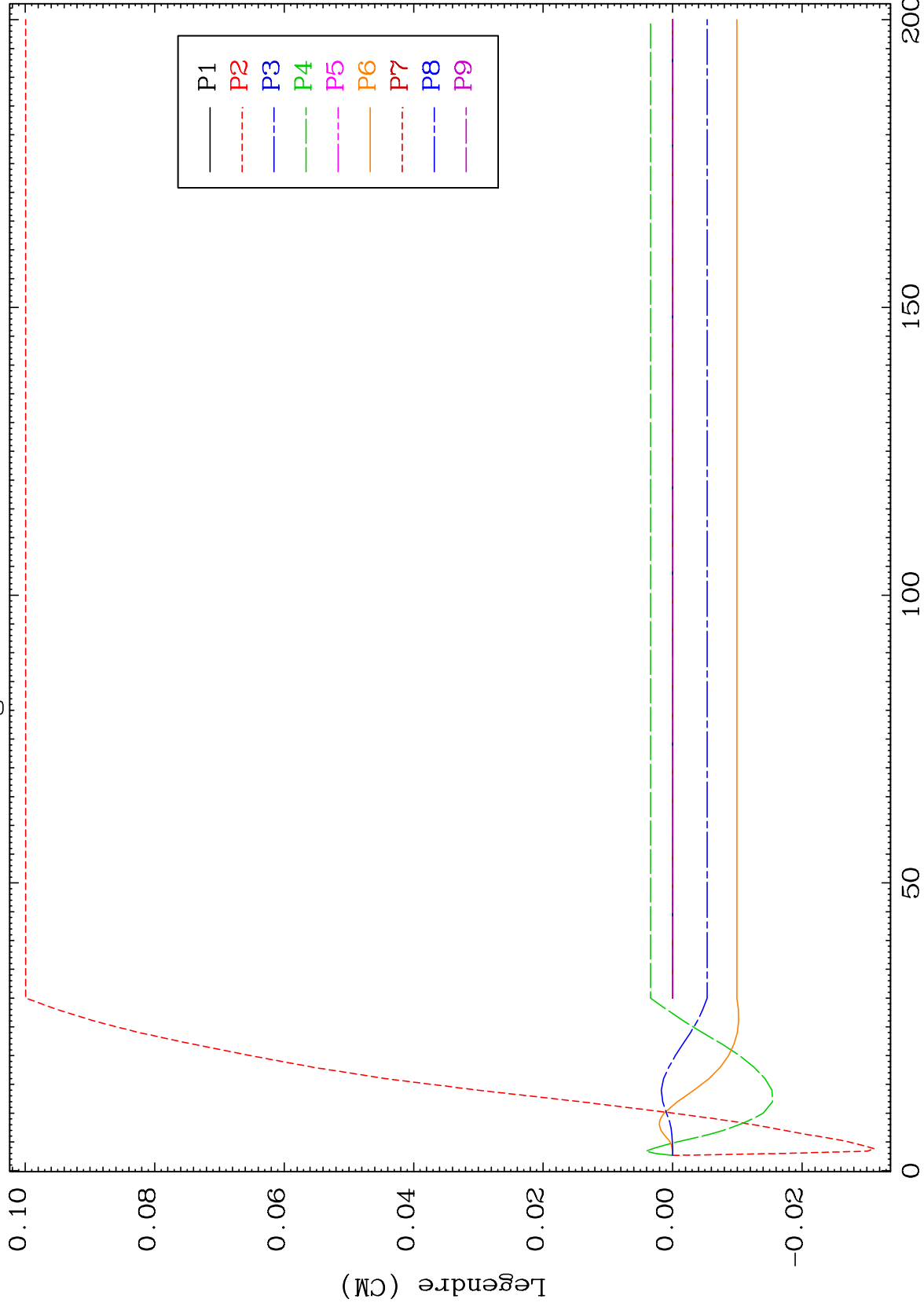
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

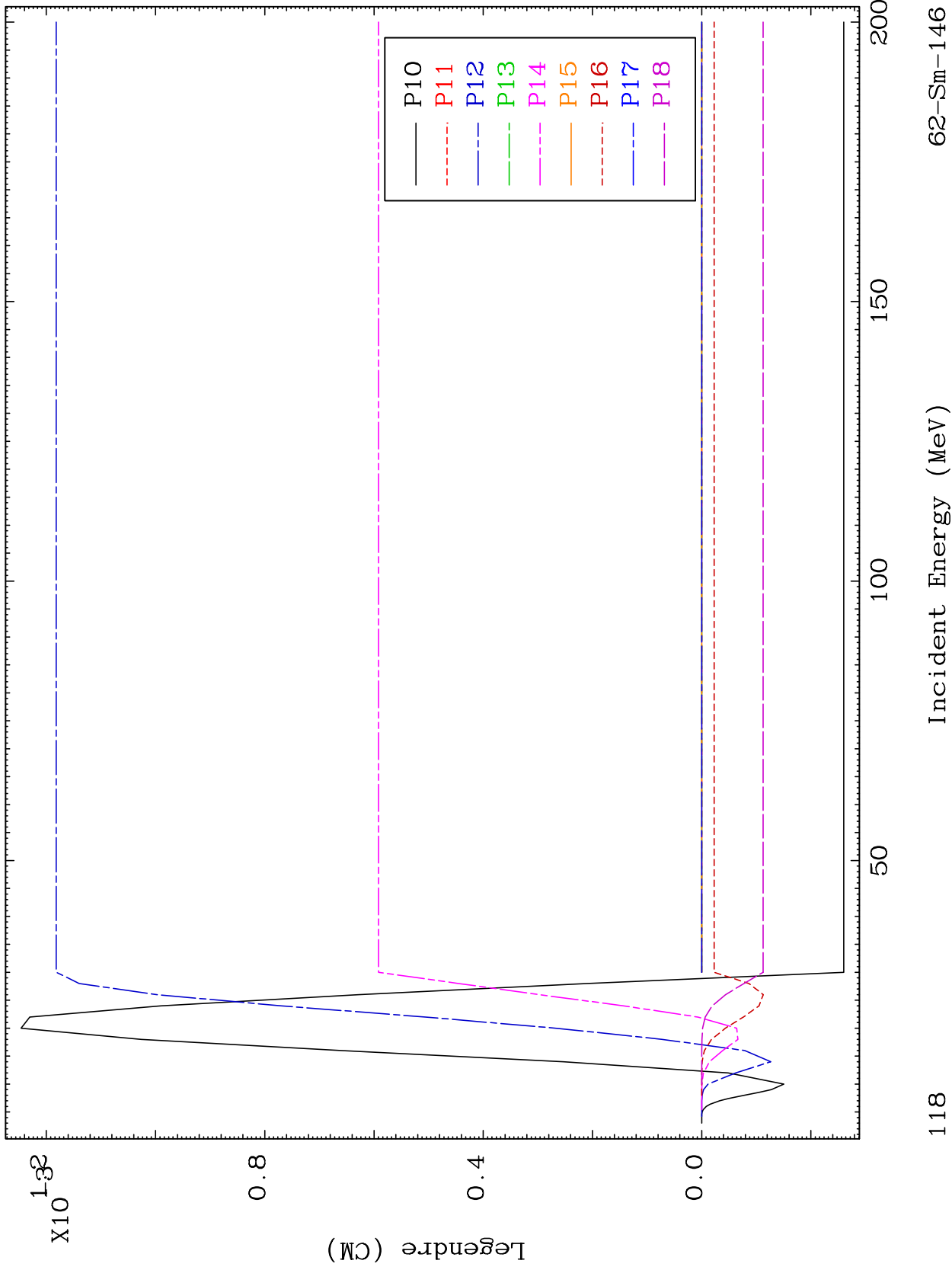
62-Sm-146

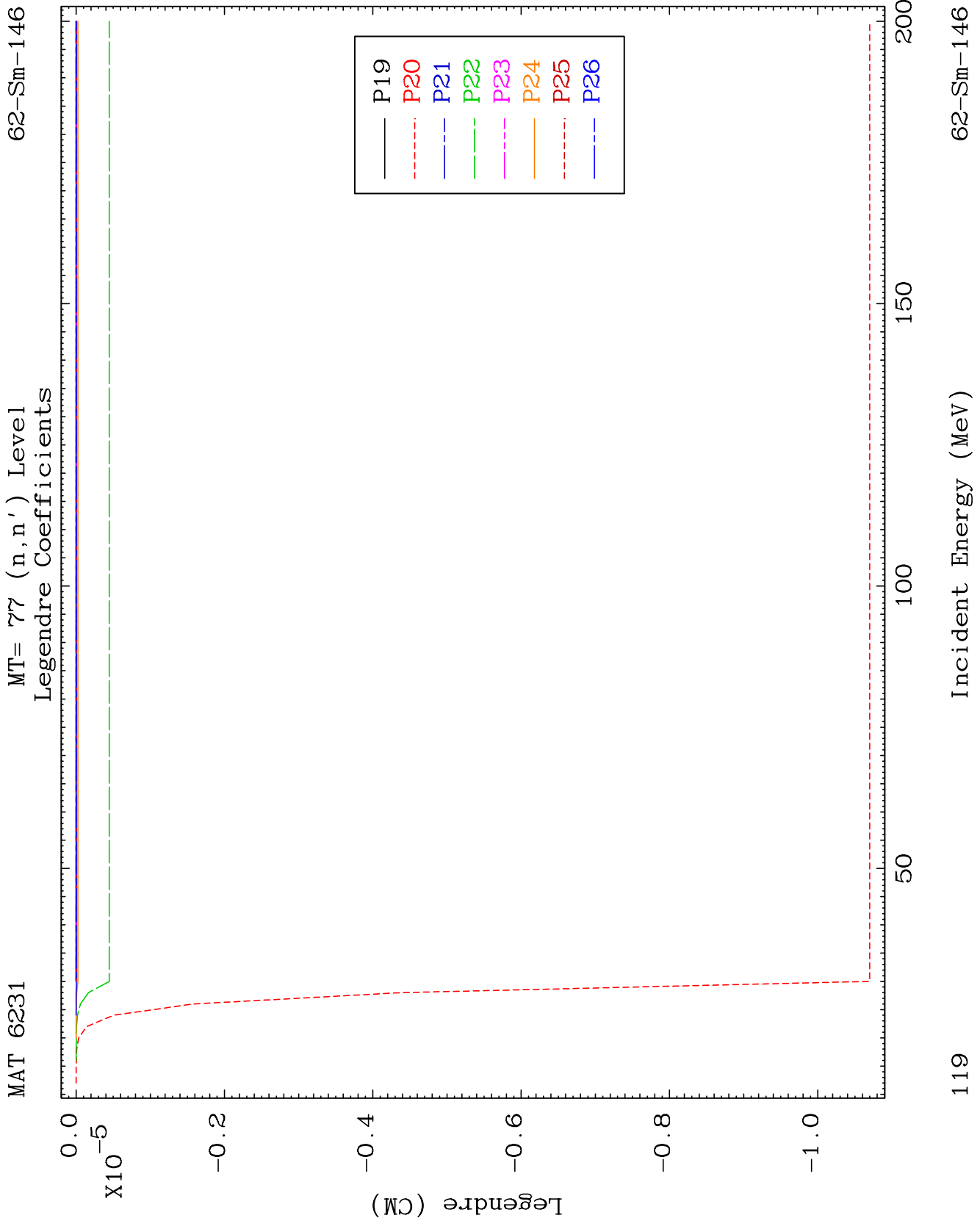


117

Incident Energy (MeV)

62-Sm-146

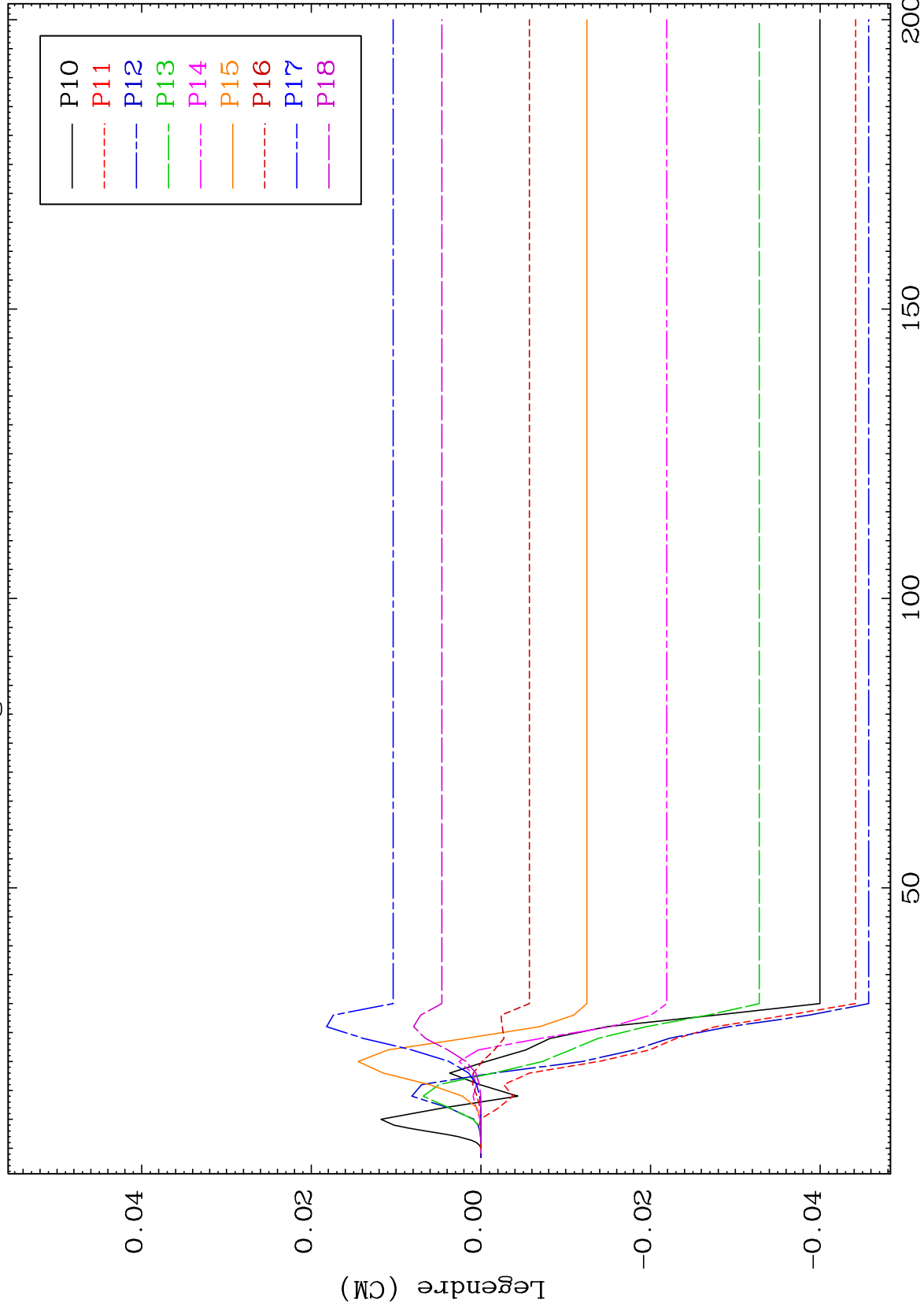




MAT 6231

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

62-Sm-146



121

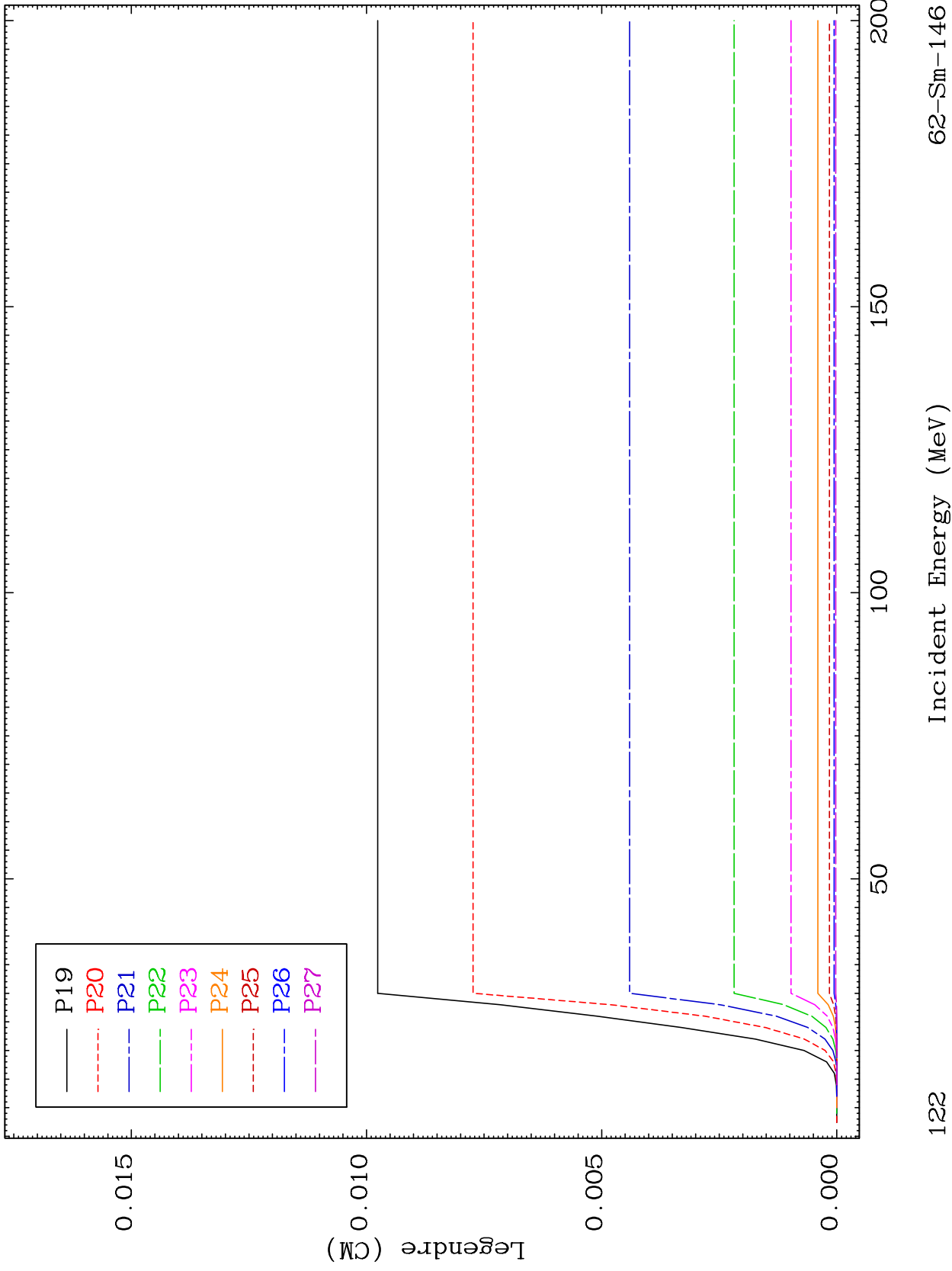
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

62-Sm-146



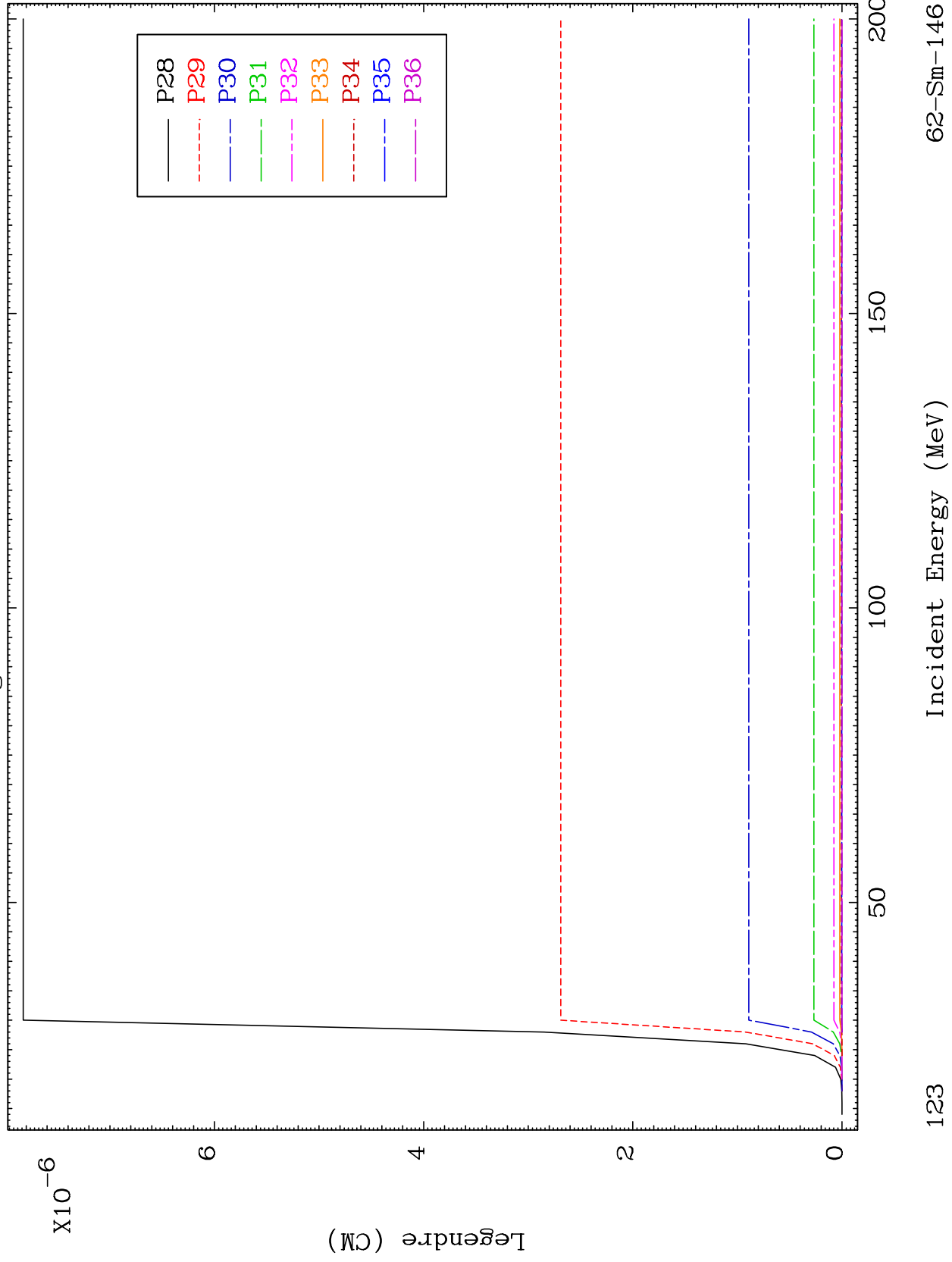
122

62-Sm-146

MAT 6231

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

62-Sm-146



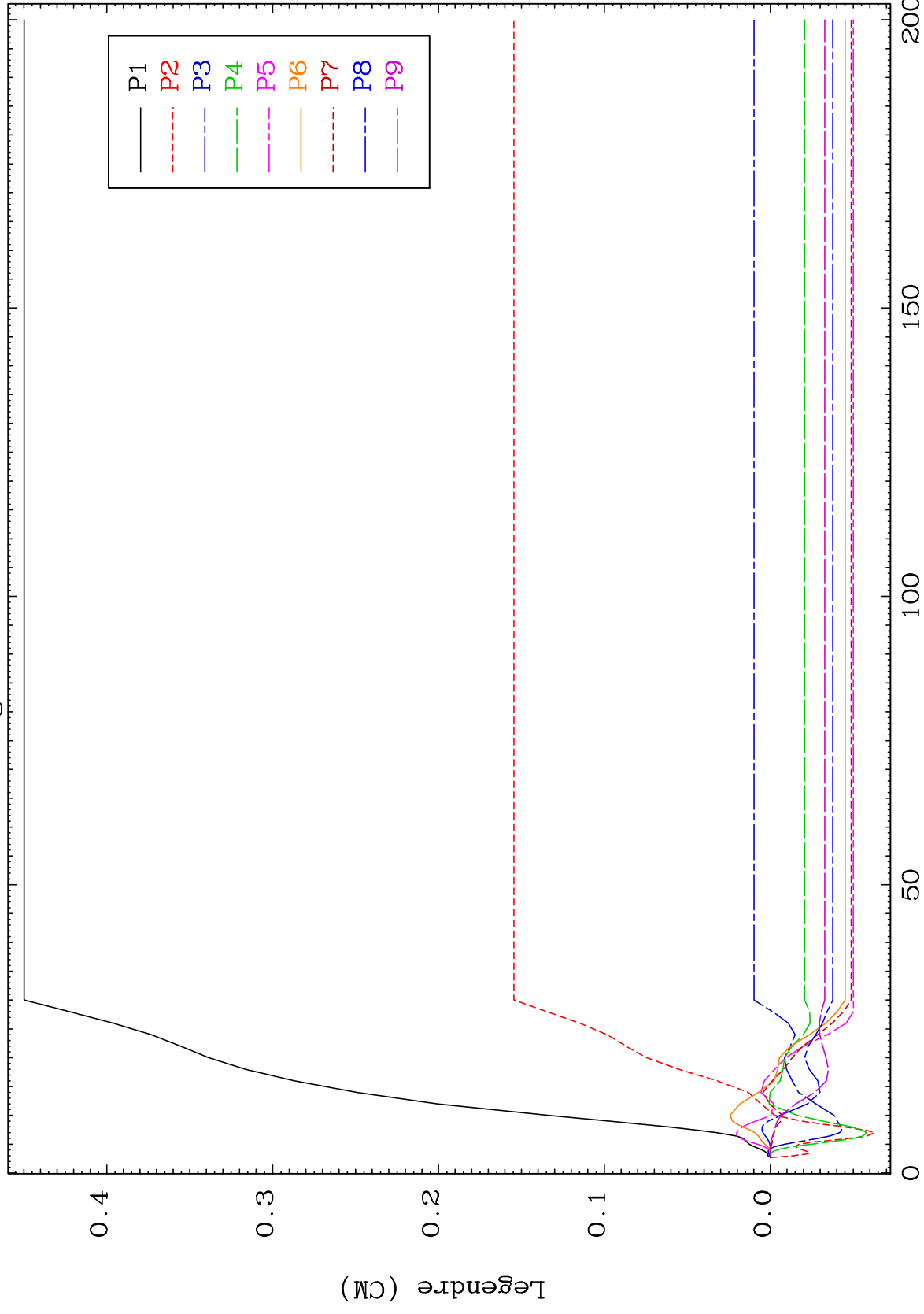
123

62-Sm-146

MAT 6231

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

62-Sm-146



124

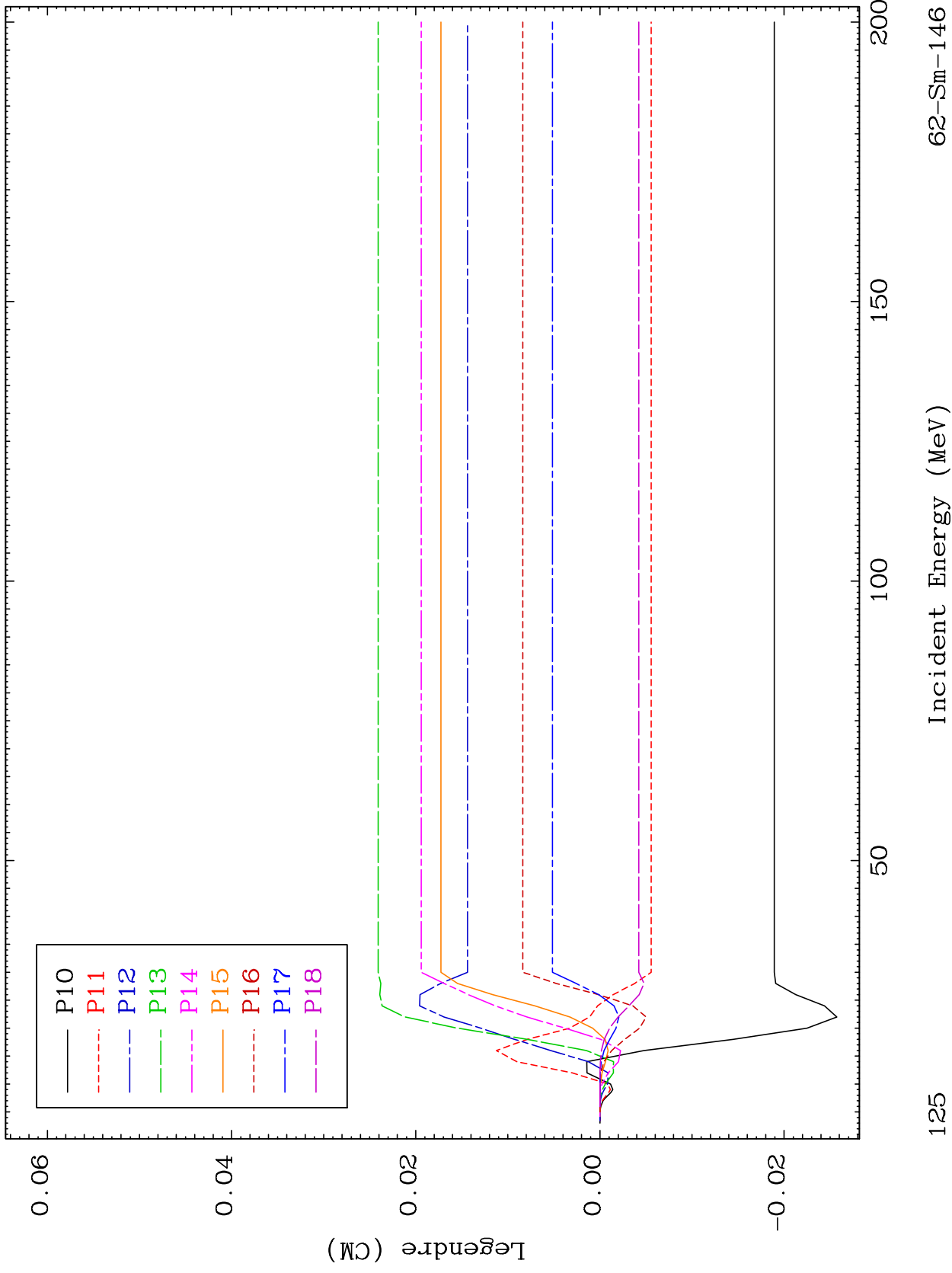
Incident Energy (MeV)

62-Sm-146

MAT 6231

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

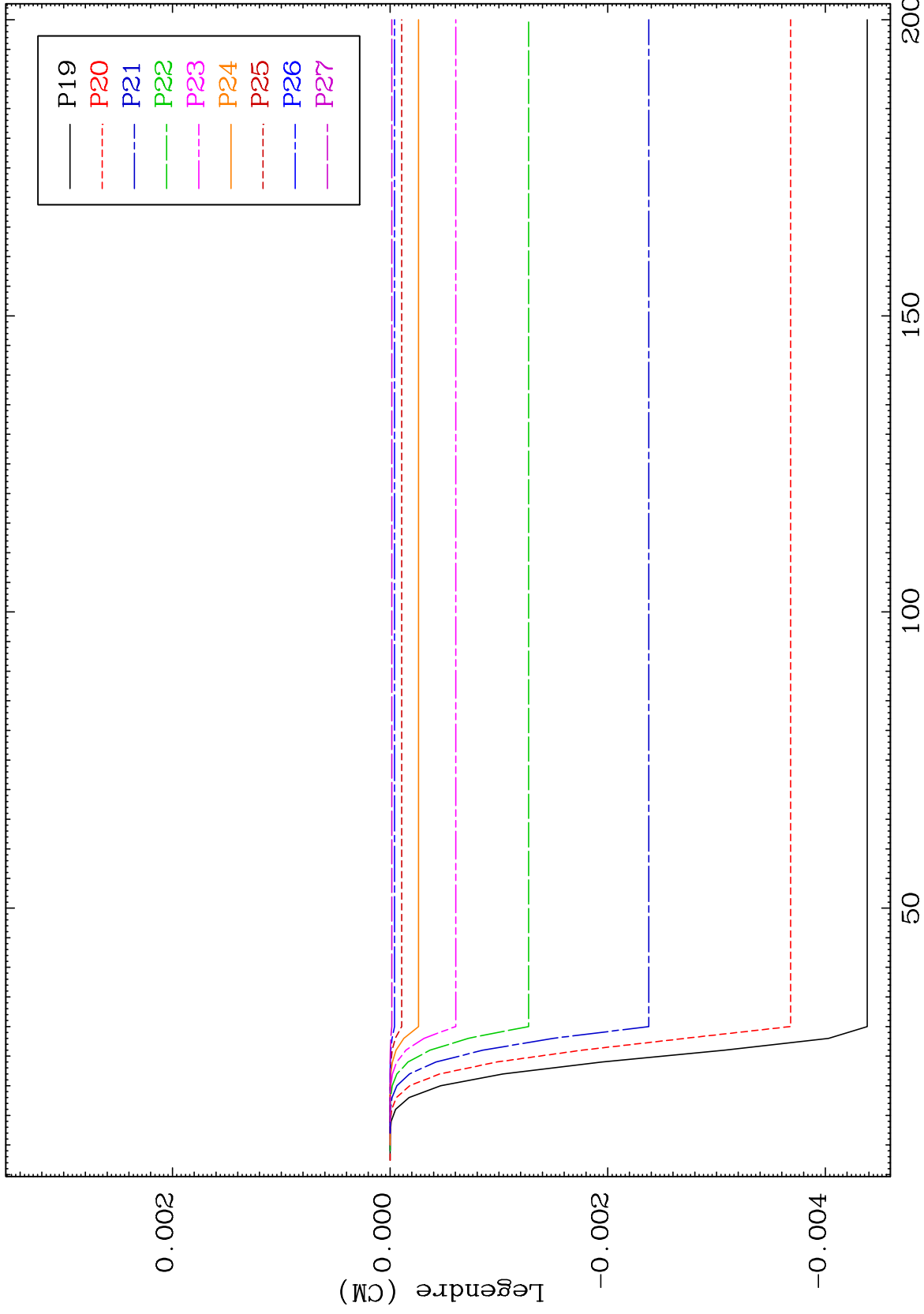
62-Sm-146

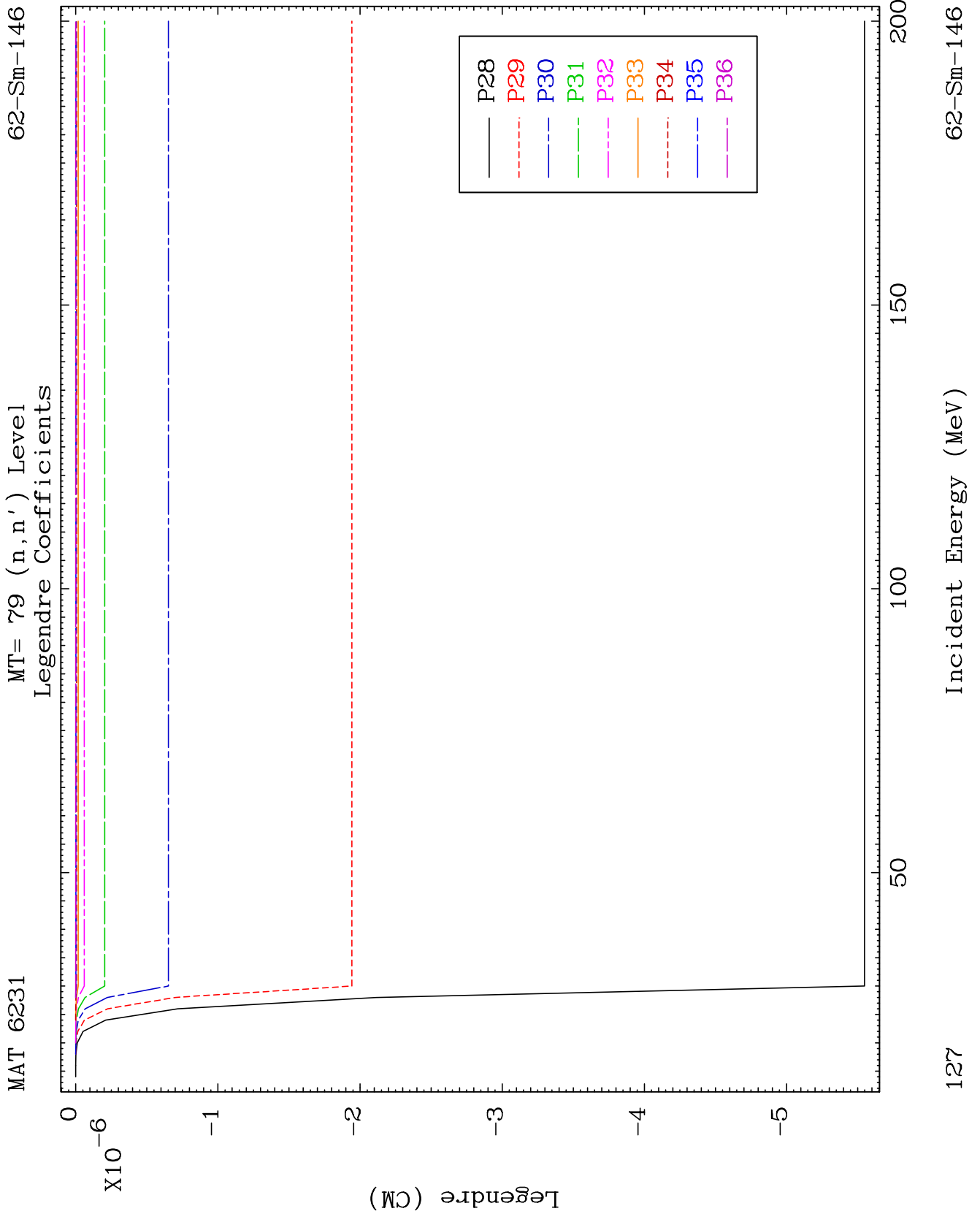


125

Incident Energy (MeV)

62-Sm-146

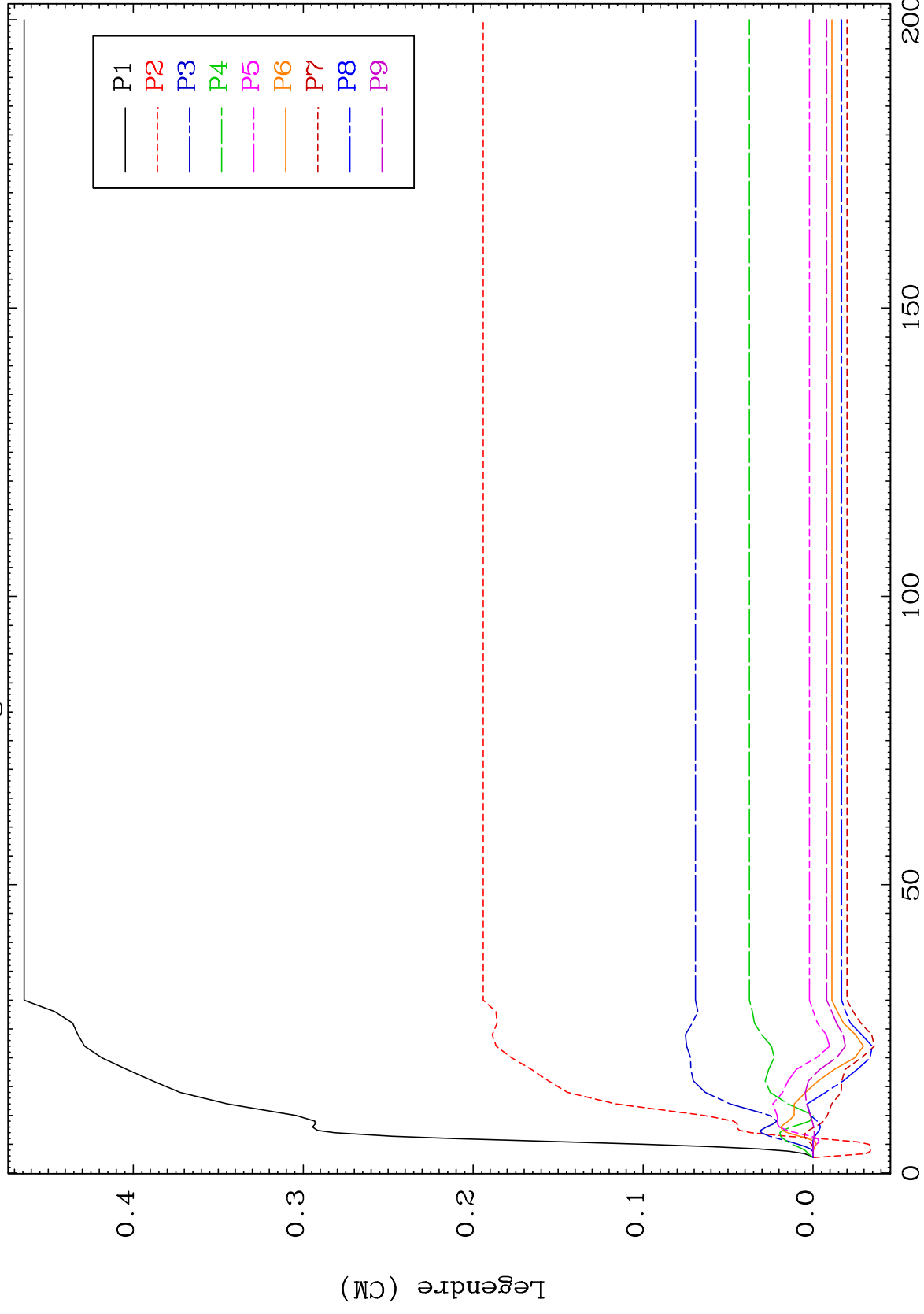




MAT 6231

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

62-Sm-146



62-Sm-146

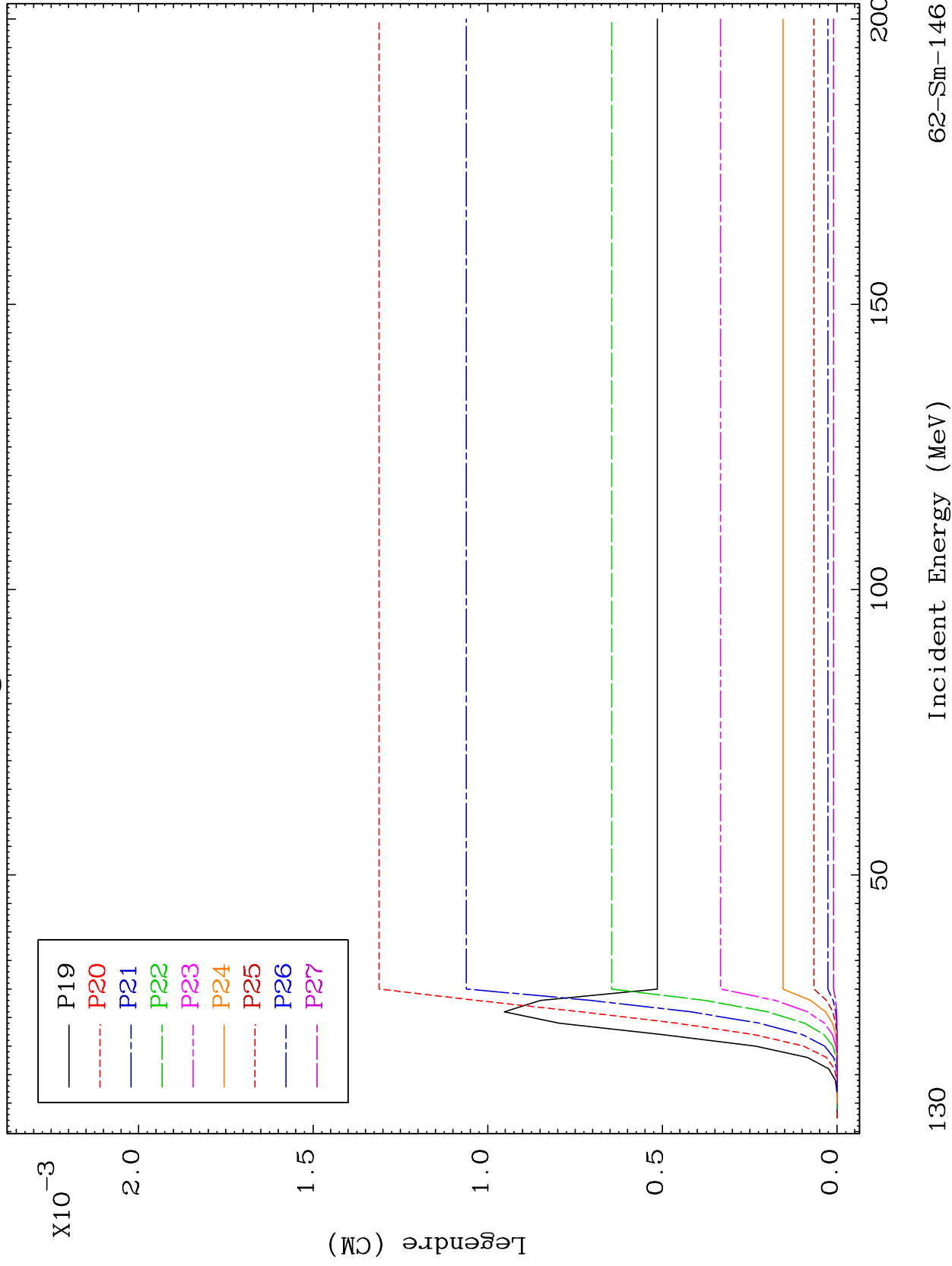
Incident Energy (MeV)

128

MAT 6231

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

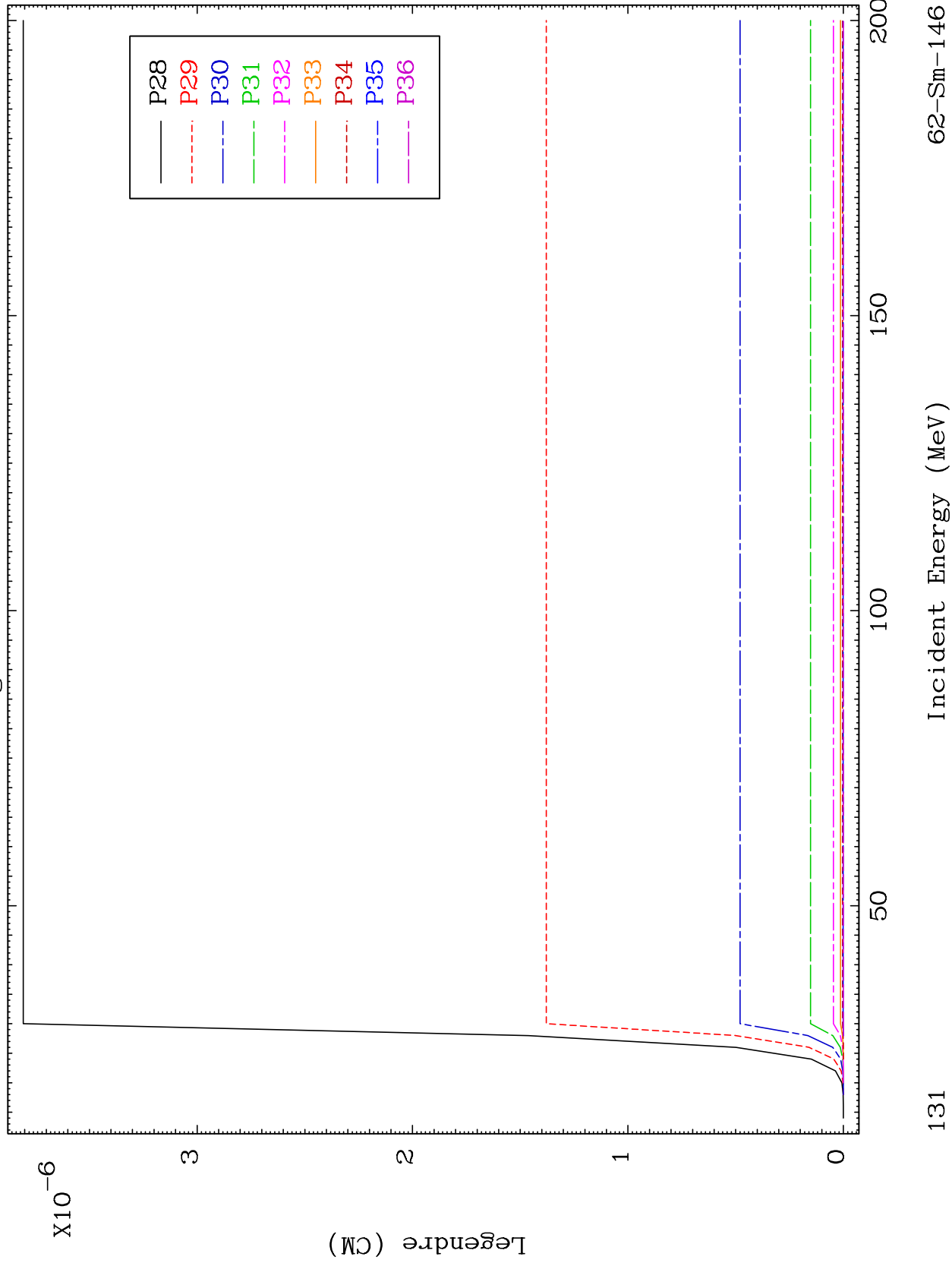
62-Sm-146



MAT 6231

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

62-Sm-146



131

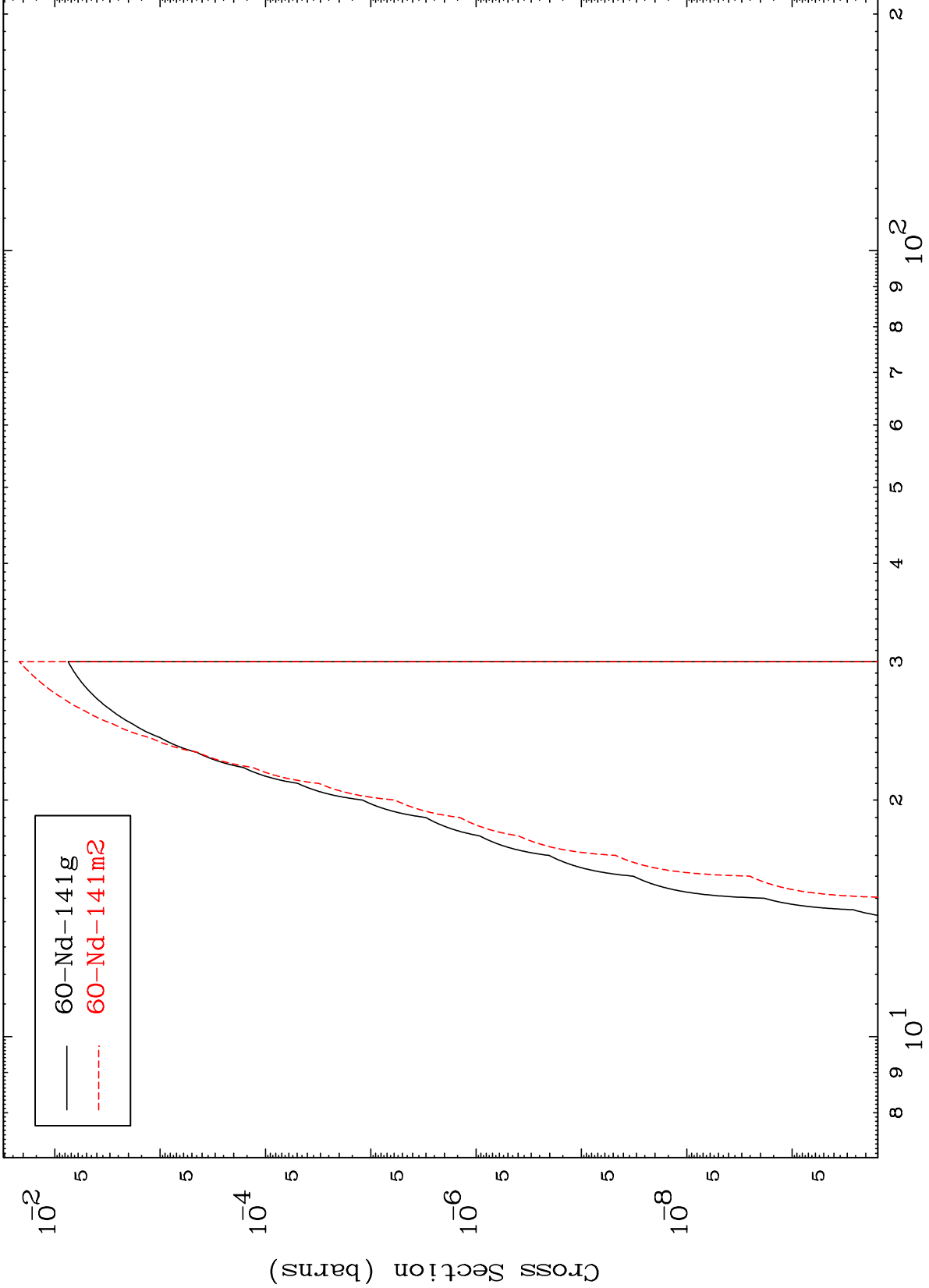
62-Sm-146

MAT 6231

(n,2n) α

62-Sm-146

Radionuclide Production Cross Section



132

Incident Energy (MeV)

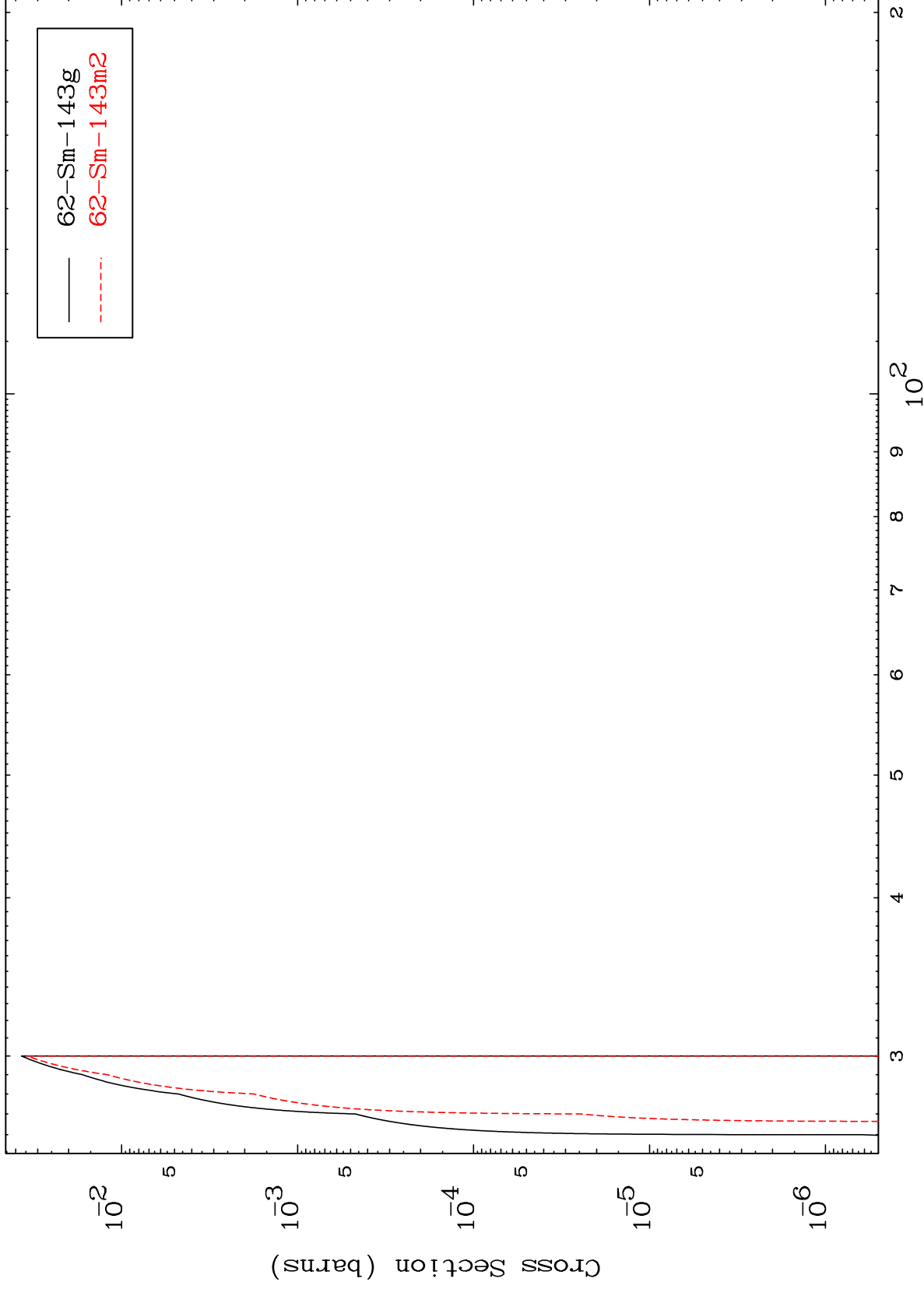
62-Sm-146

MAT 6231

(n,4n)

62-Sm-146

Radionuclide Production Cross Section



133

Incident Energy (MeV)

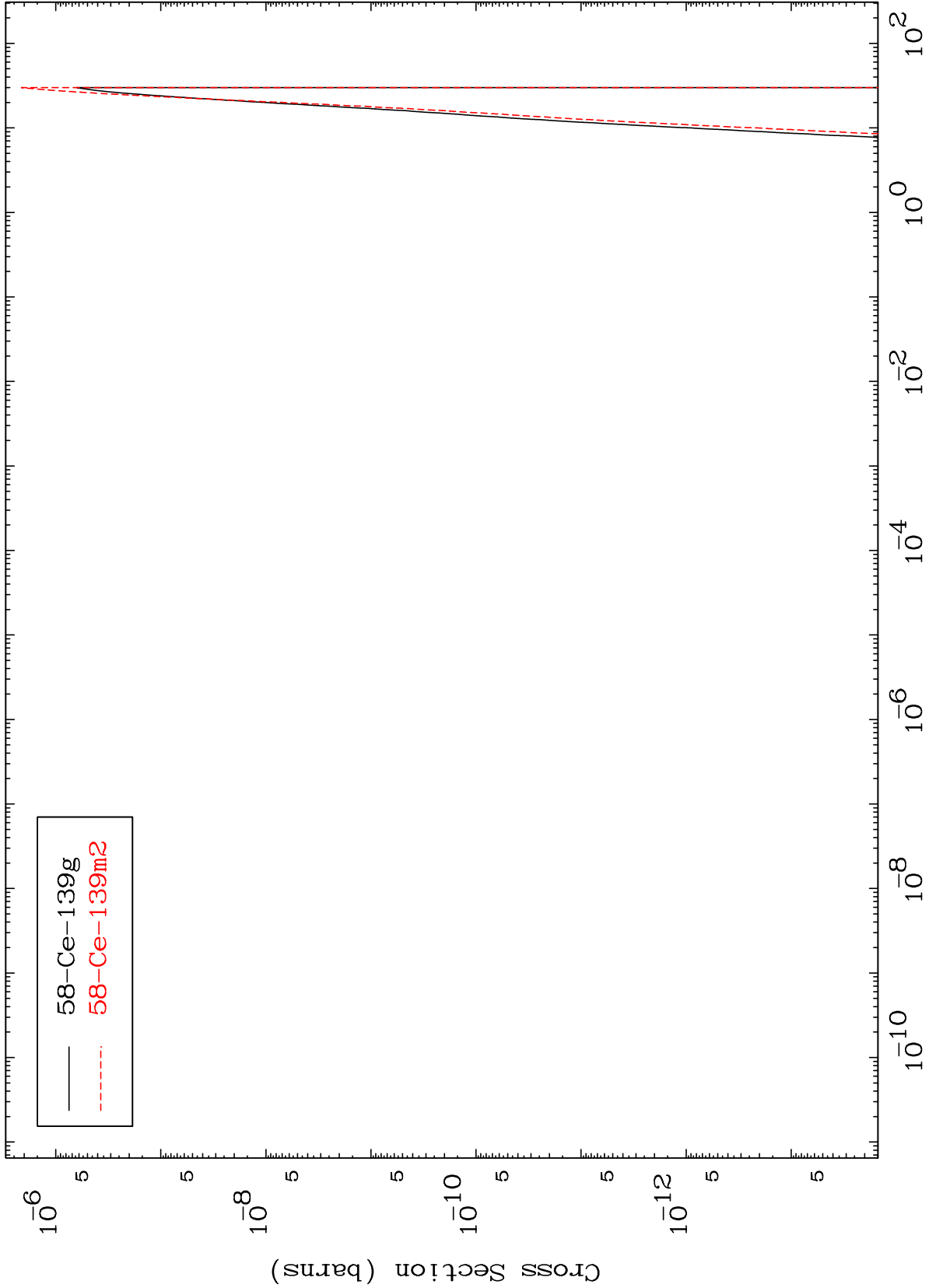
62-Sm-146

MAT 6231

(n,2α)

62-Sm-146

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

MAT 6231

(n,p) α

62-Sm-146

Radionuclide Production Cross Section

