

Program EVALPLOT
(Version 2017-1)

by

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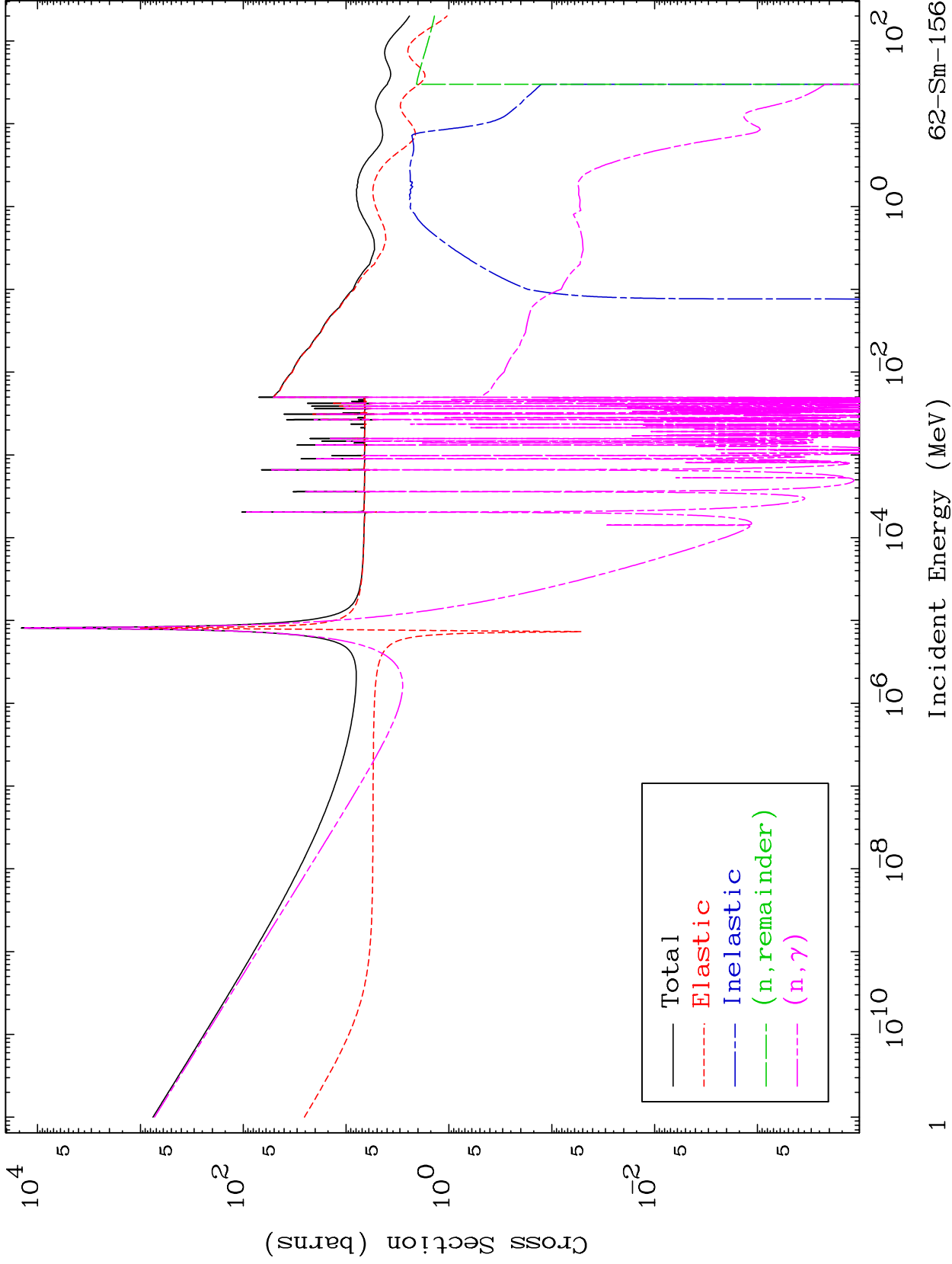
Press Mouse Button to Start

MAT 6261

Major

293 Kelvin Cross Sections

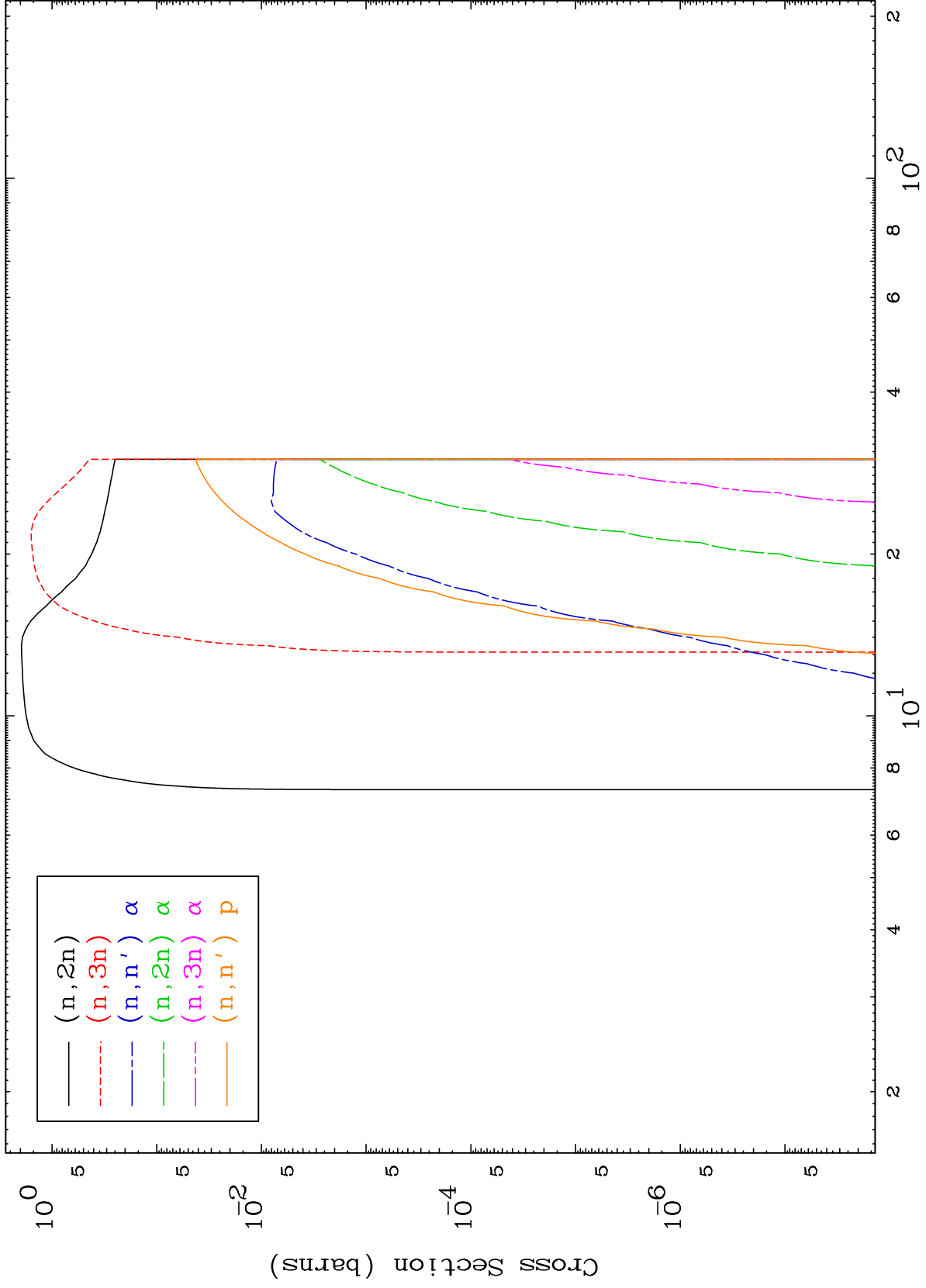
62-Sm-156

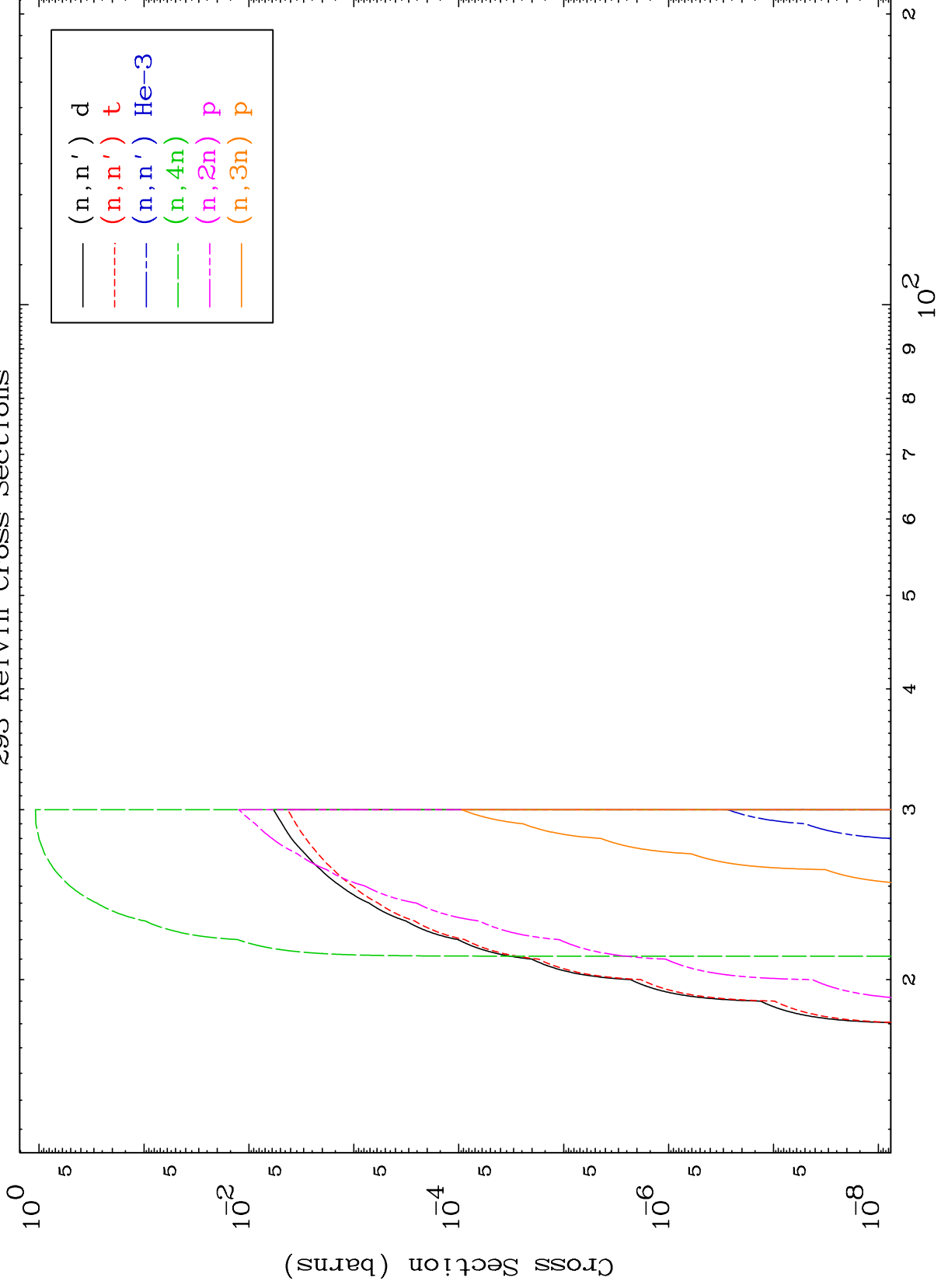


MAT 6261

Neutron Production
293 Kelvin Cross Sections

62-Sm-156

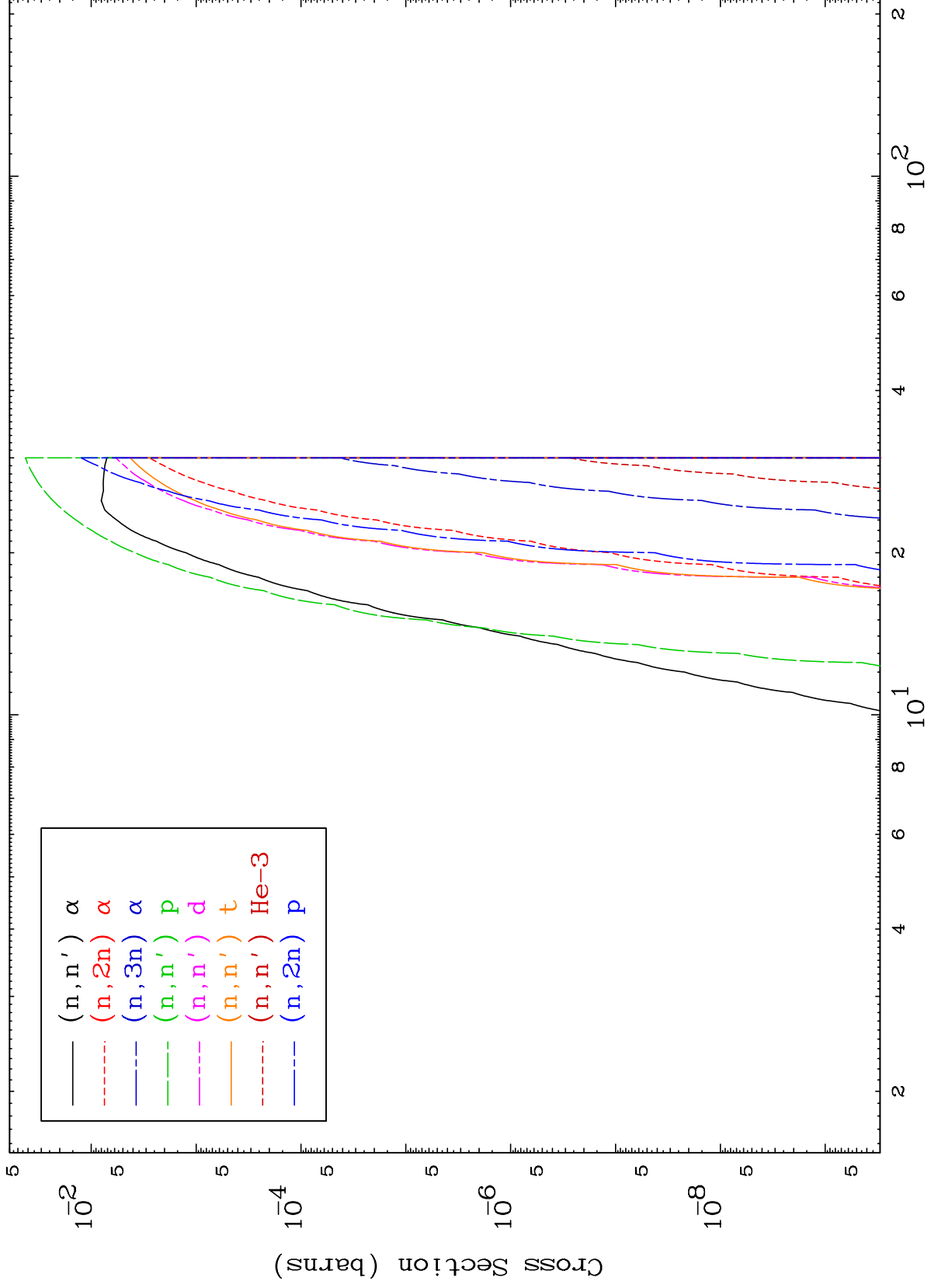




MAT 6261

Charged Particle
293 Kelvin Cross Sections

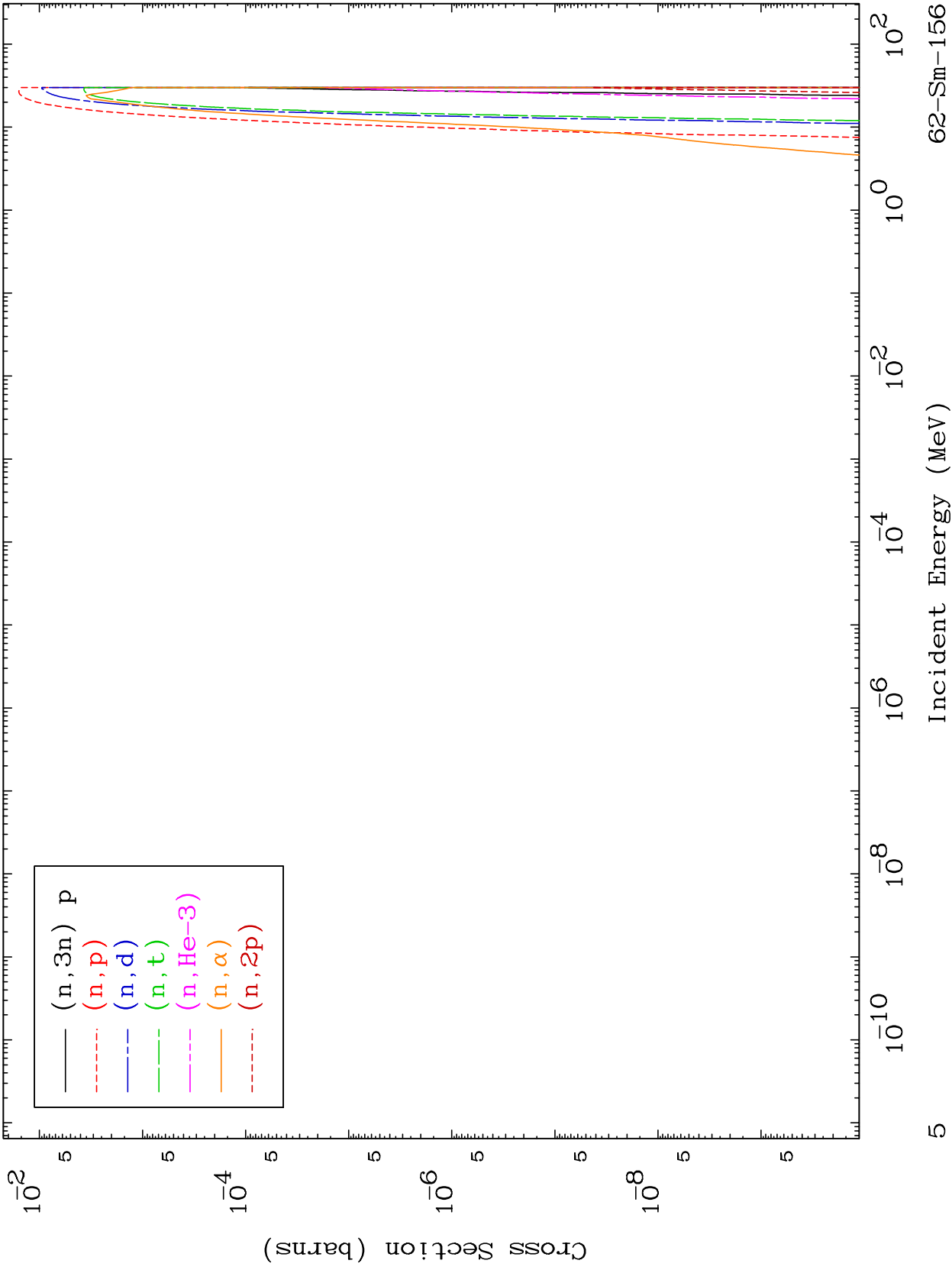
62-Sm-156



MAT 6261

Charged Particle
293 Kelvin Cross Sections

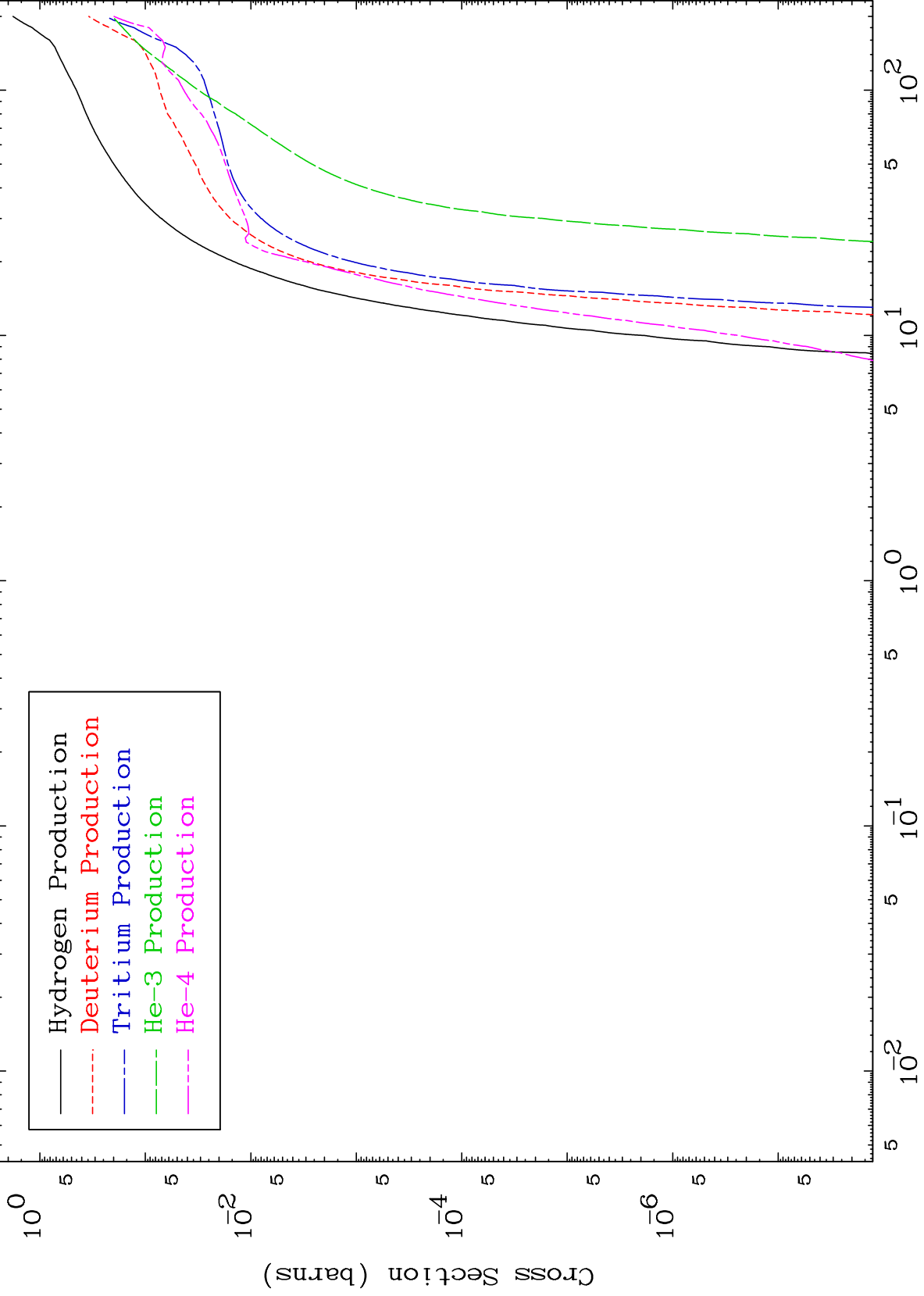
62-Sm-156



MAT 6261

Particle Production
293 Kelvin Cross Sections

62-Sm-156



62-Sm-156

Incident Energy (MeV)

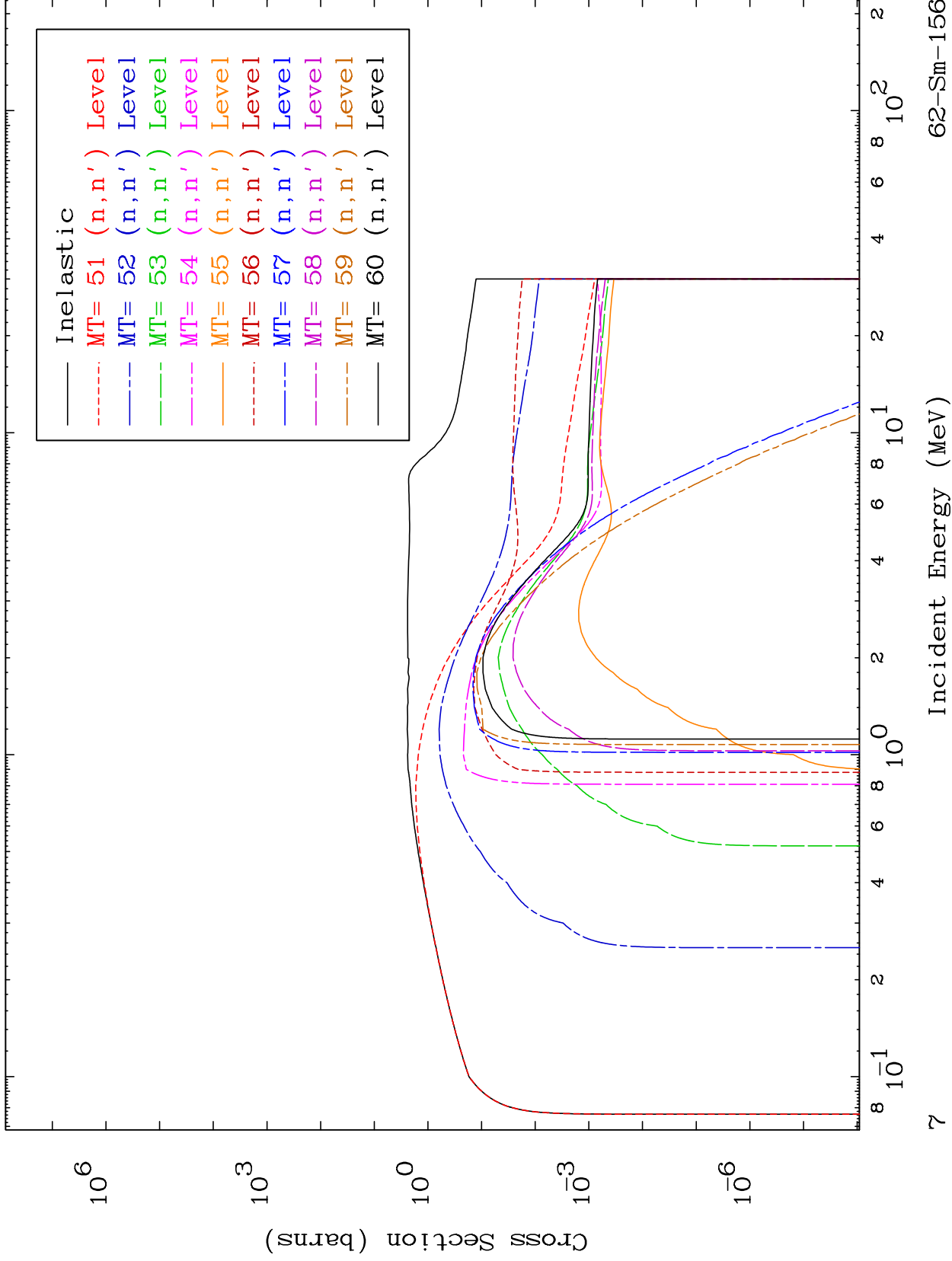
6

MAT 6261

(n,n') Level

62-Sm-156

293 Kelvin Cross Sections

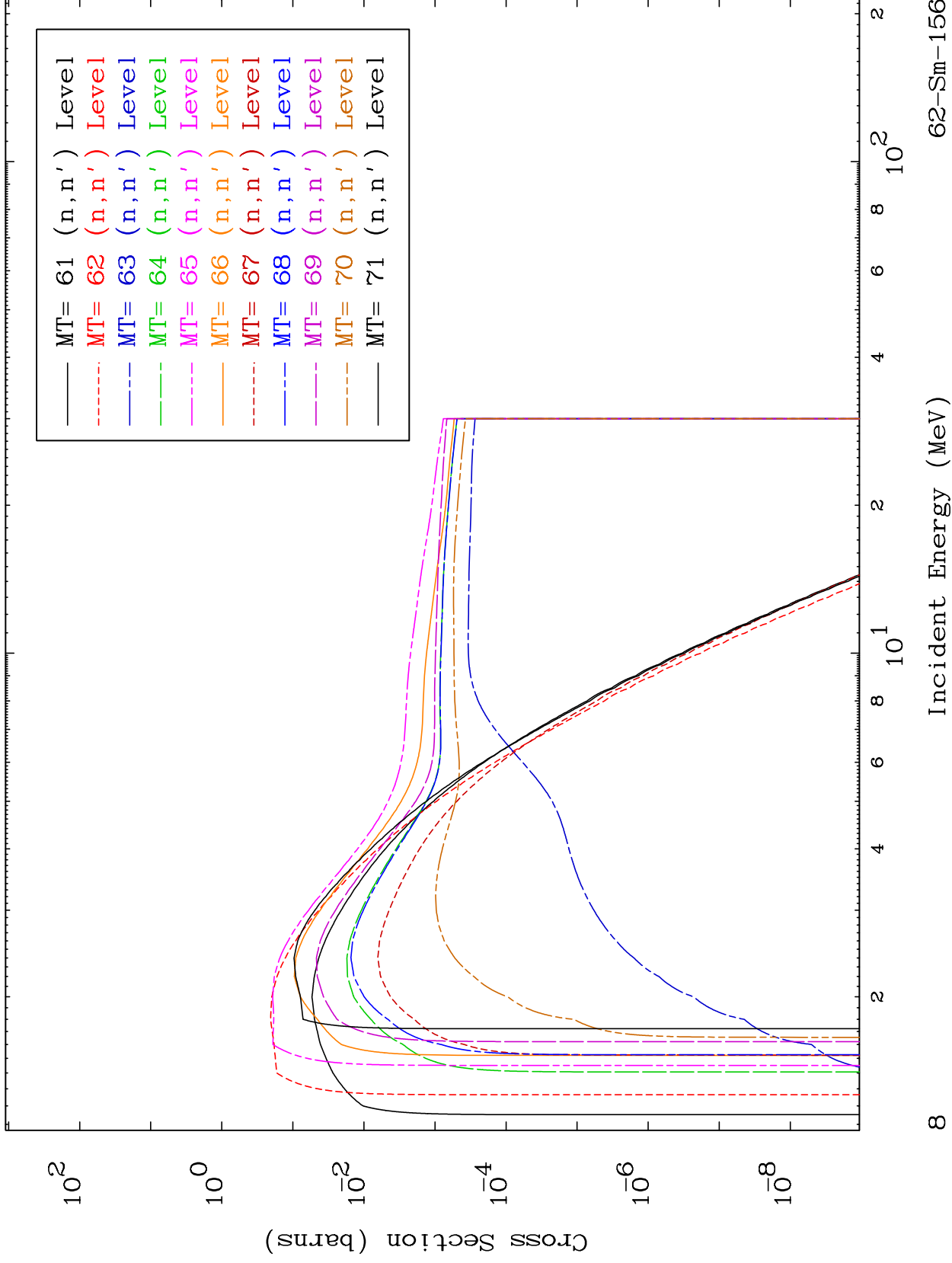


MAT 6261

(n,n') Level

293 Kelvin Cross Sections

62-Sm-156



8

Incident Energy (MeV)

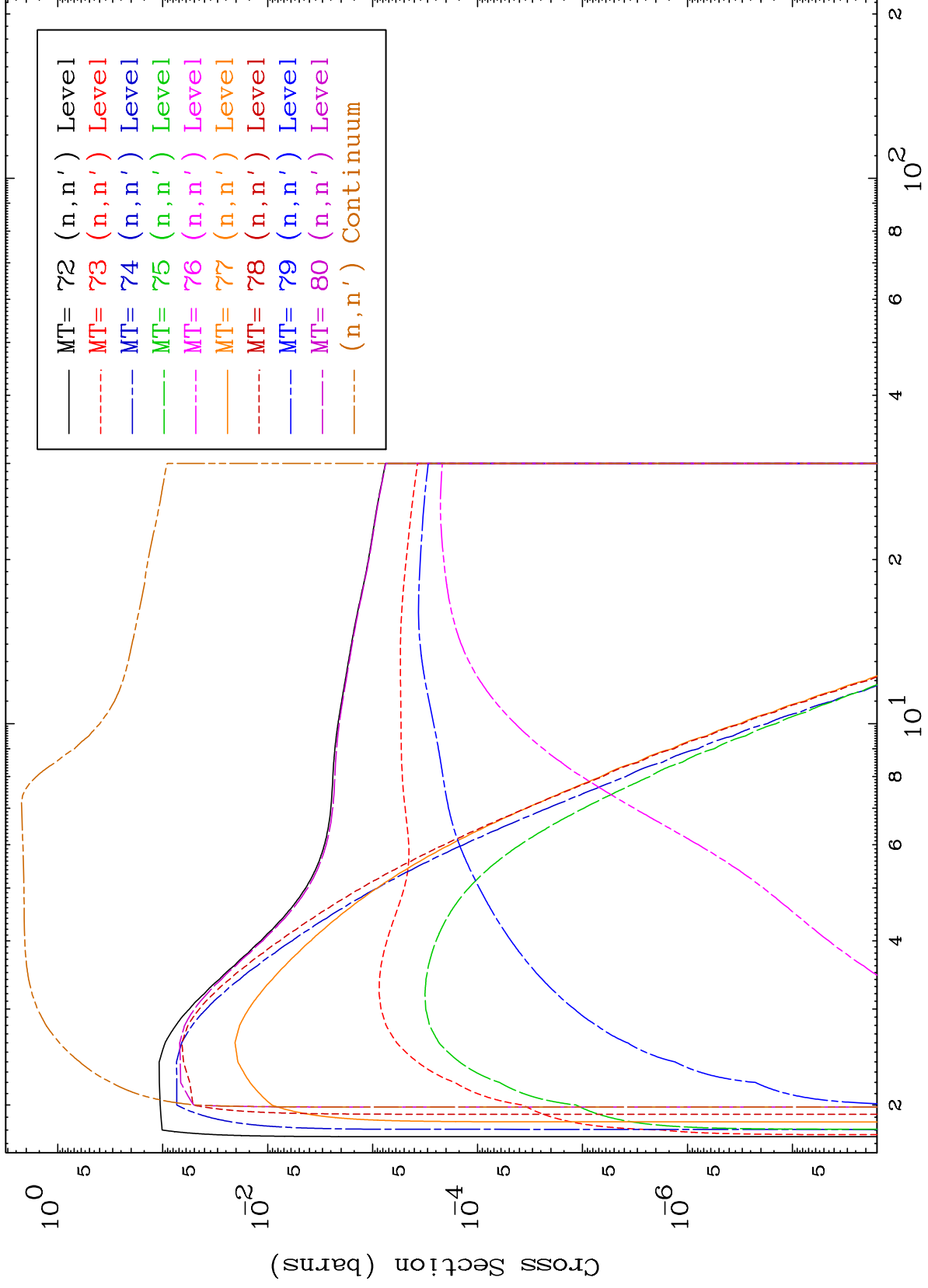
62-Sm-156

MAT 6261

(n,n') Level

62-Sm-156

293 Kelvin Cross Sections



9

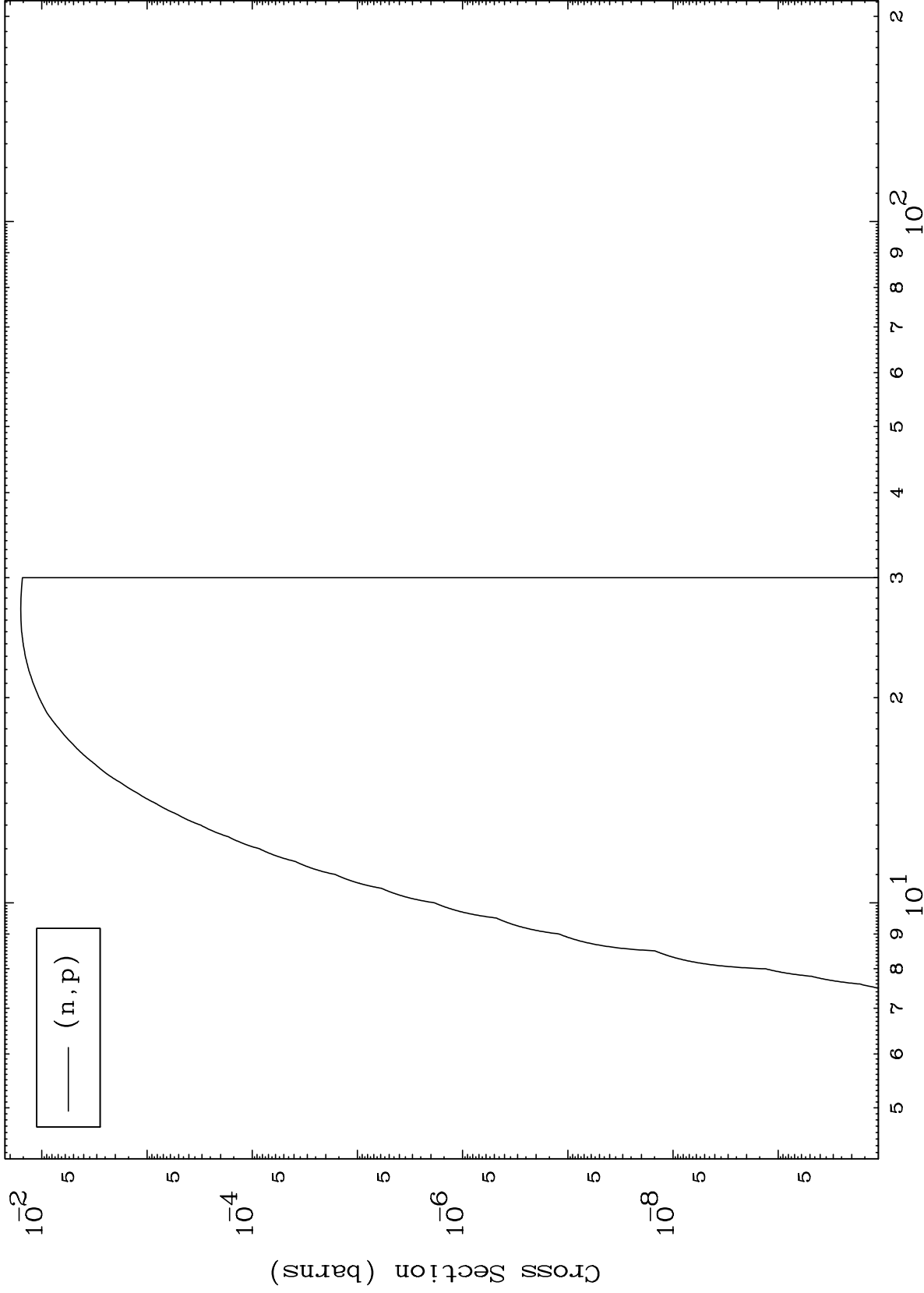
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-156



10

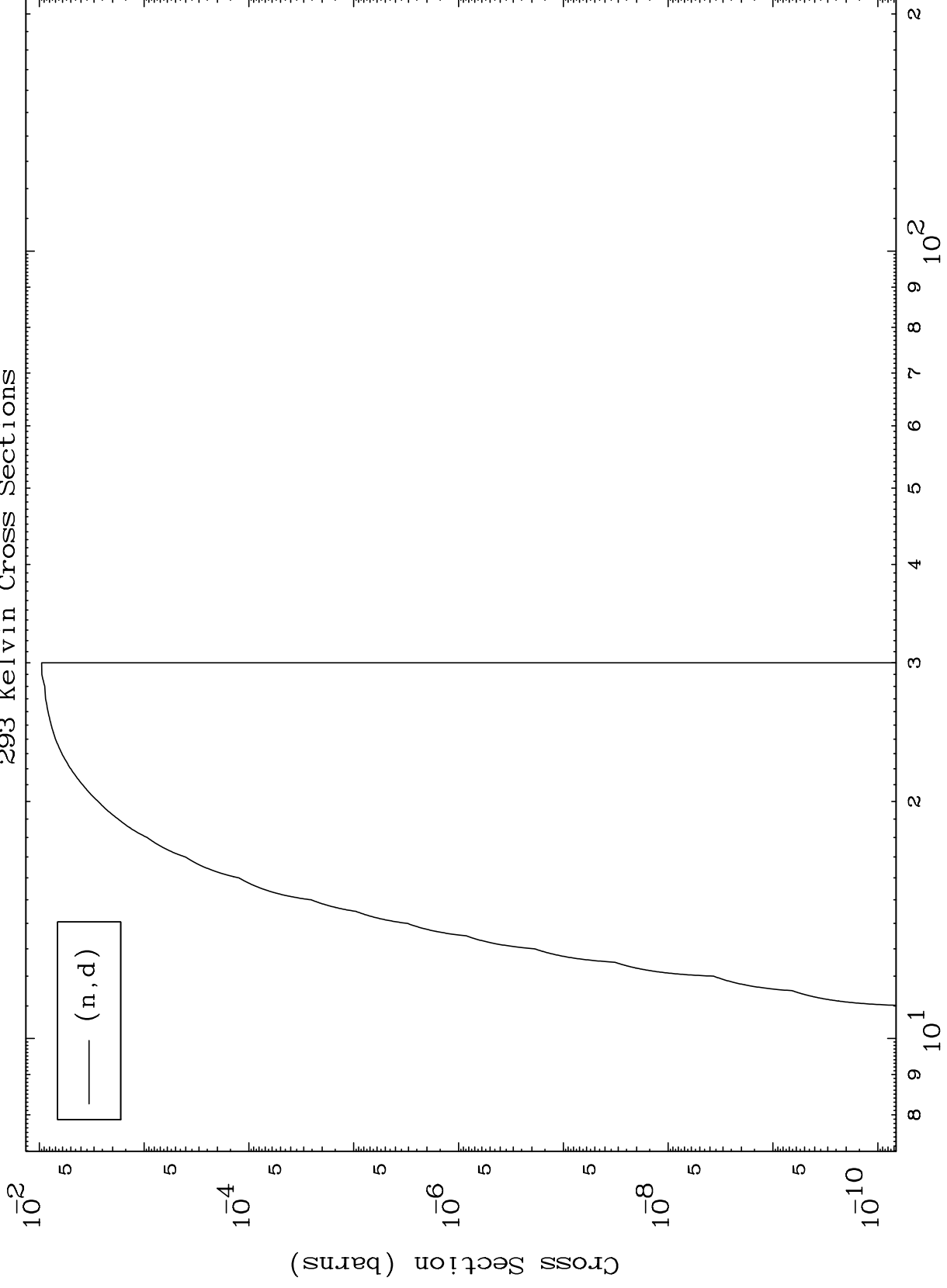
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,d) Levels
293 Kelvin Cross Sections

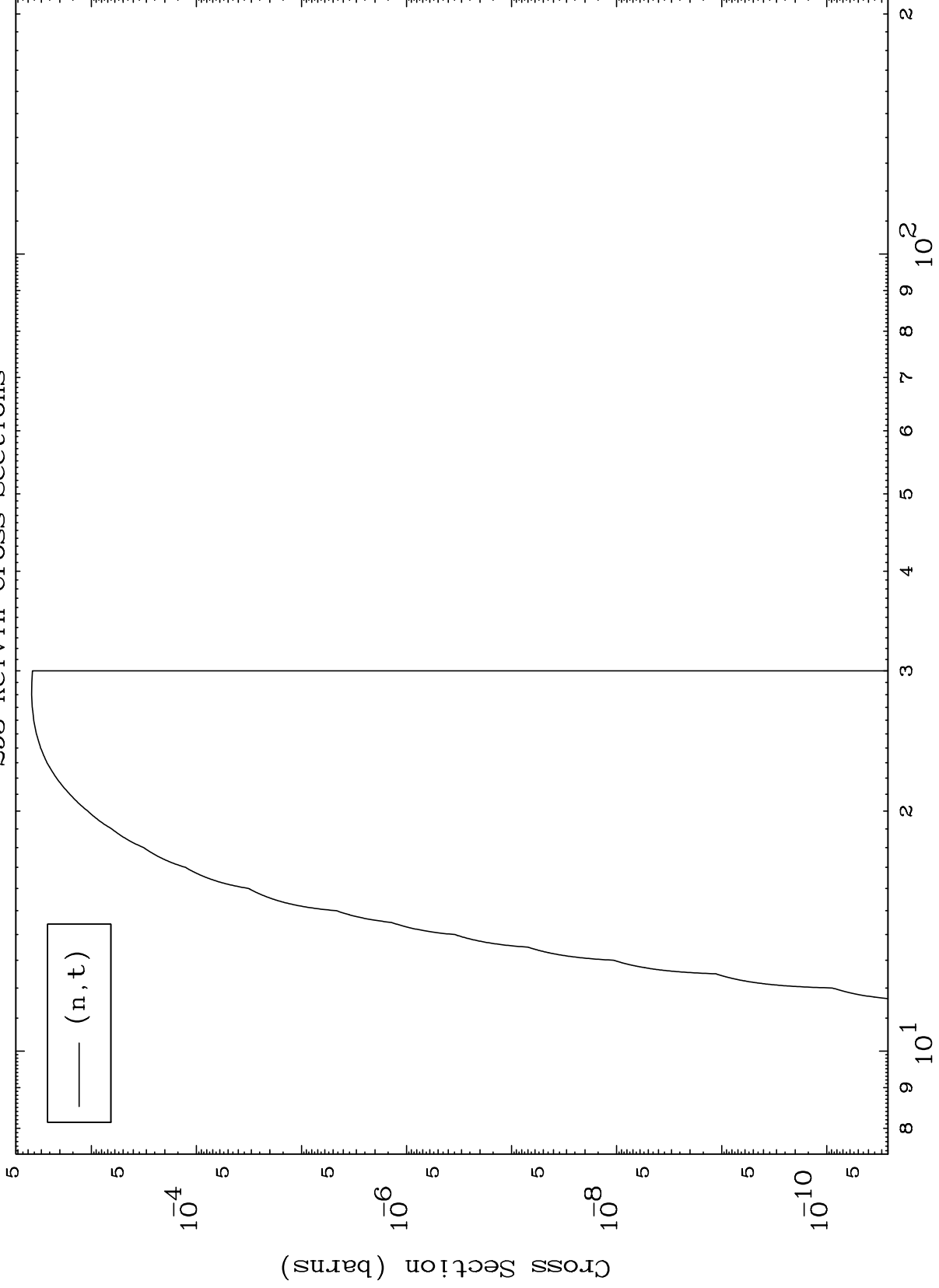
62-Sm-156



MAT 6261

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-156



12

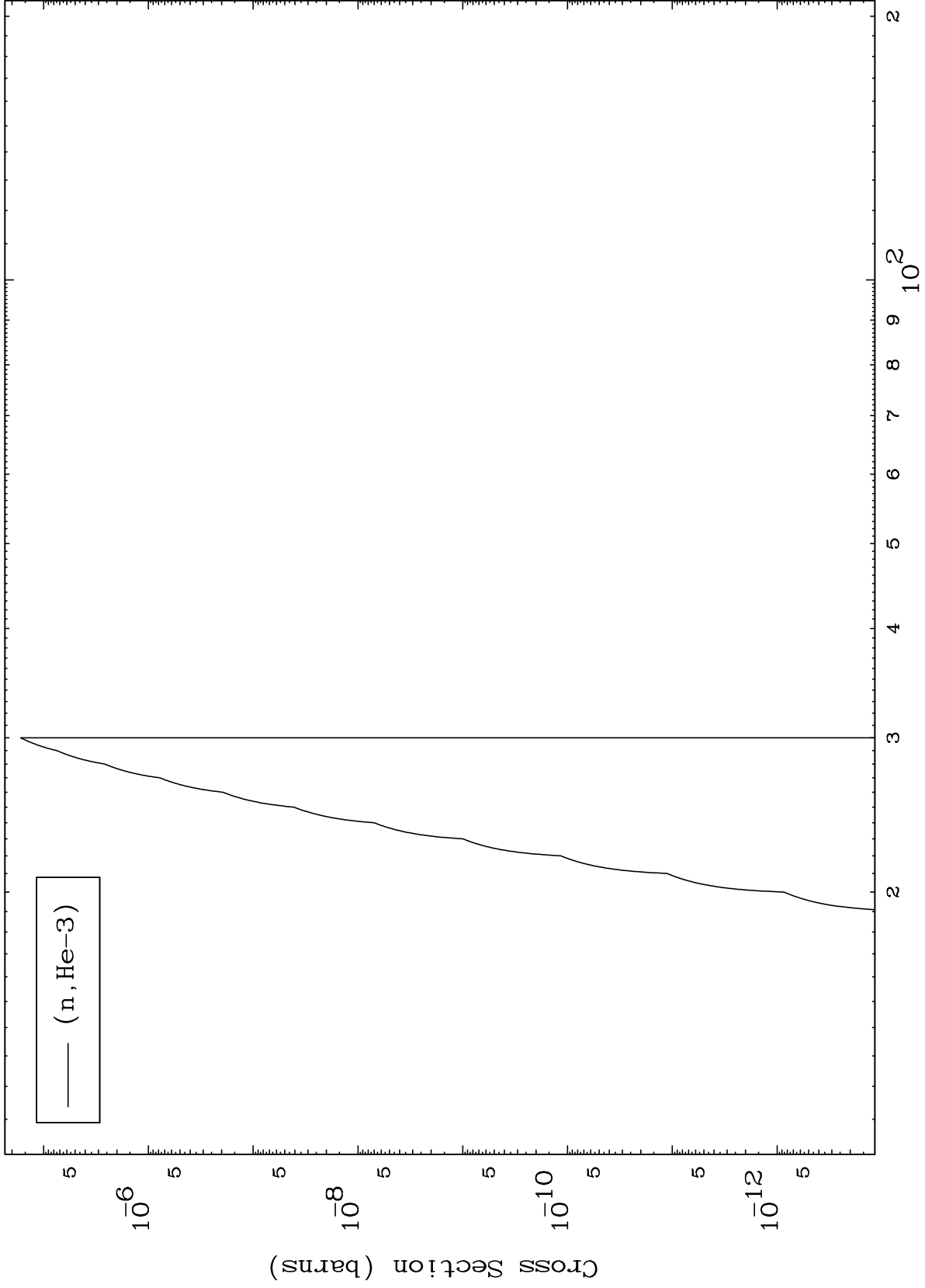
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-156



13

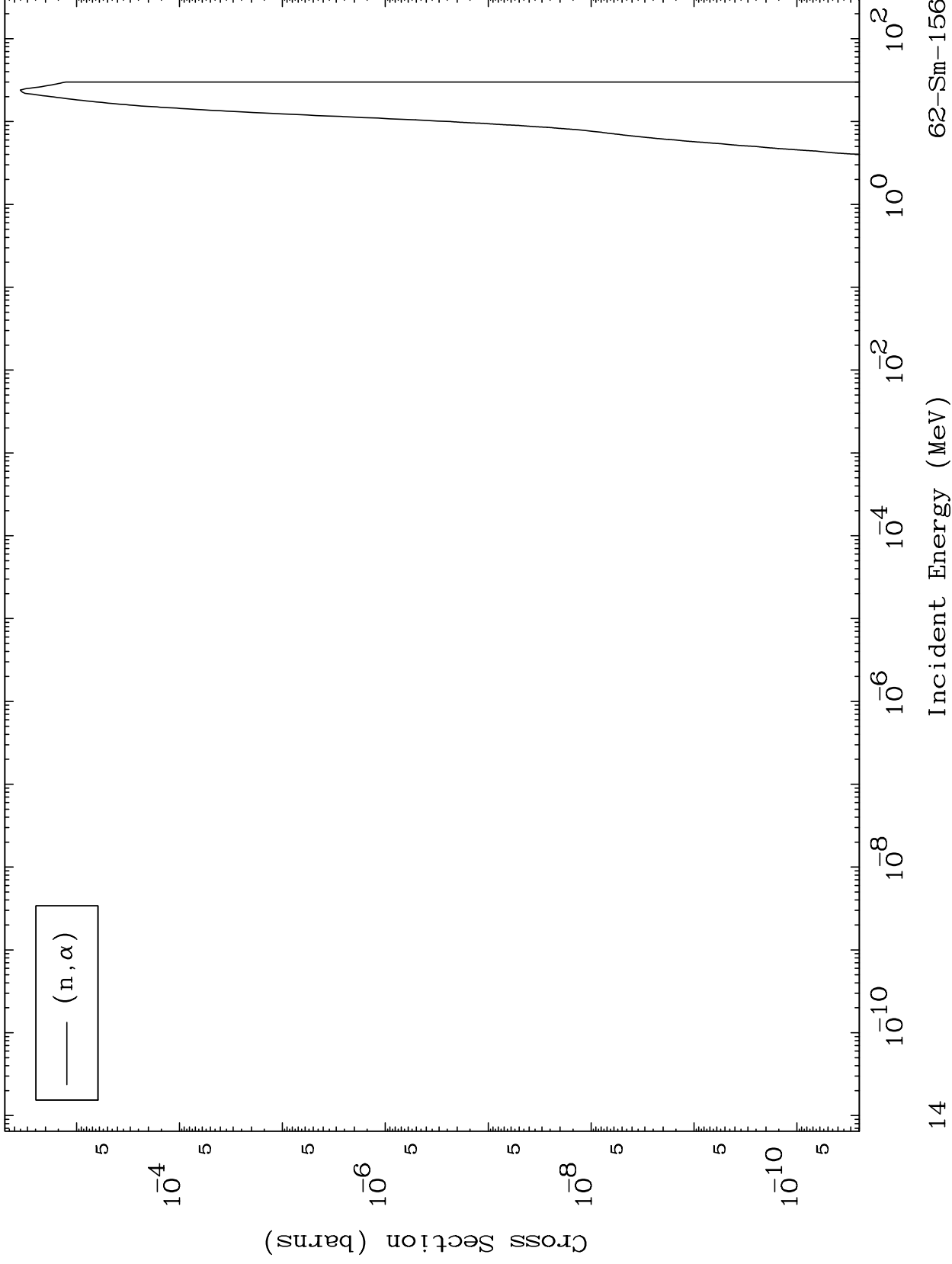
Incident Energy (MeV)

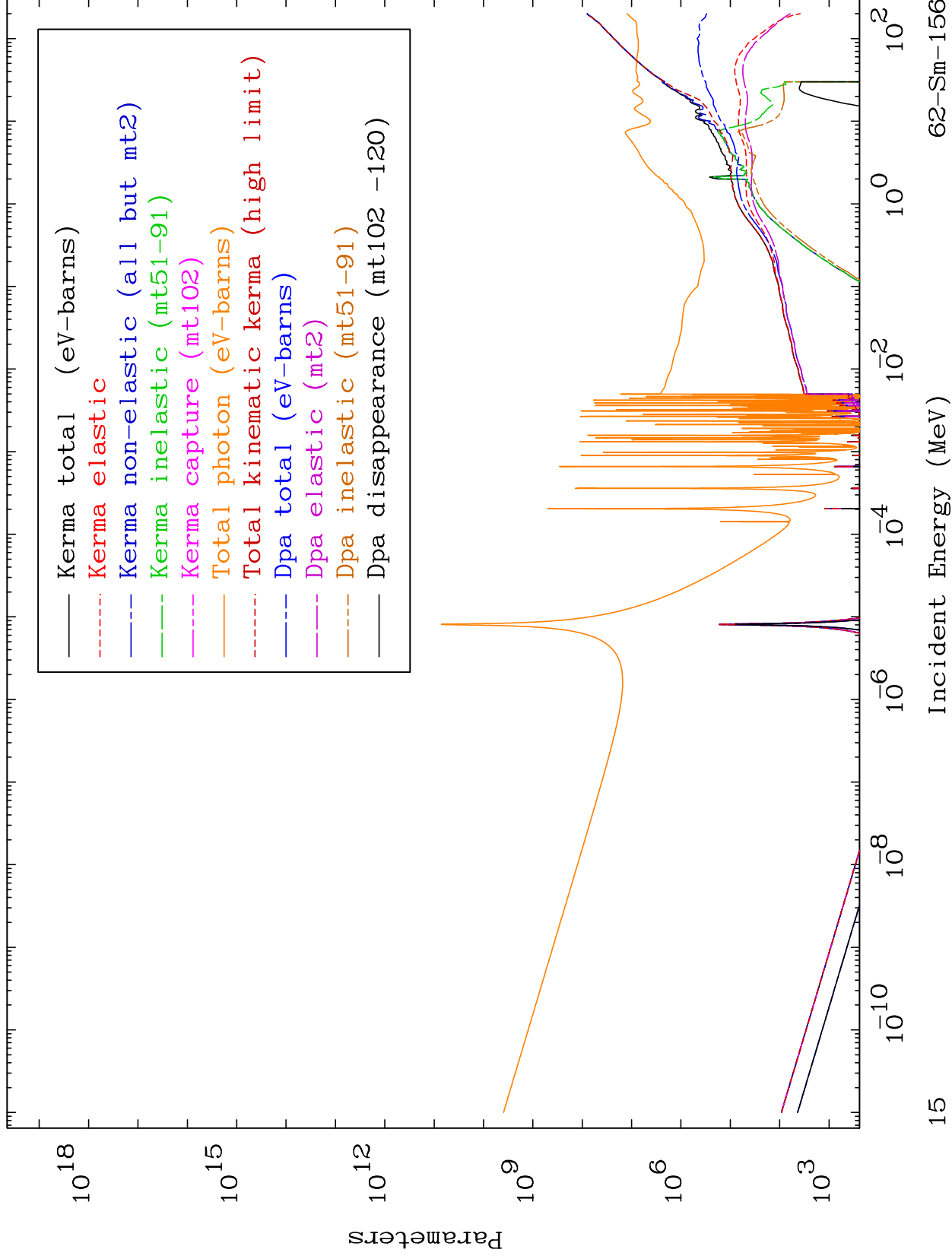
62-Sm-156

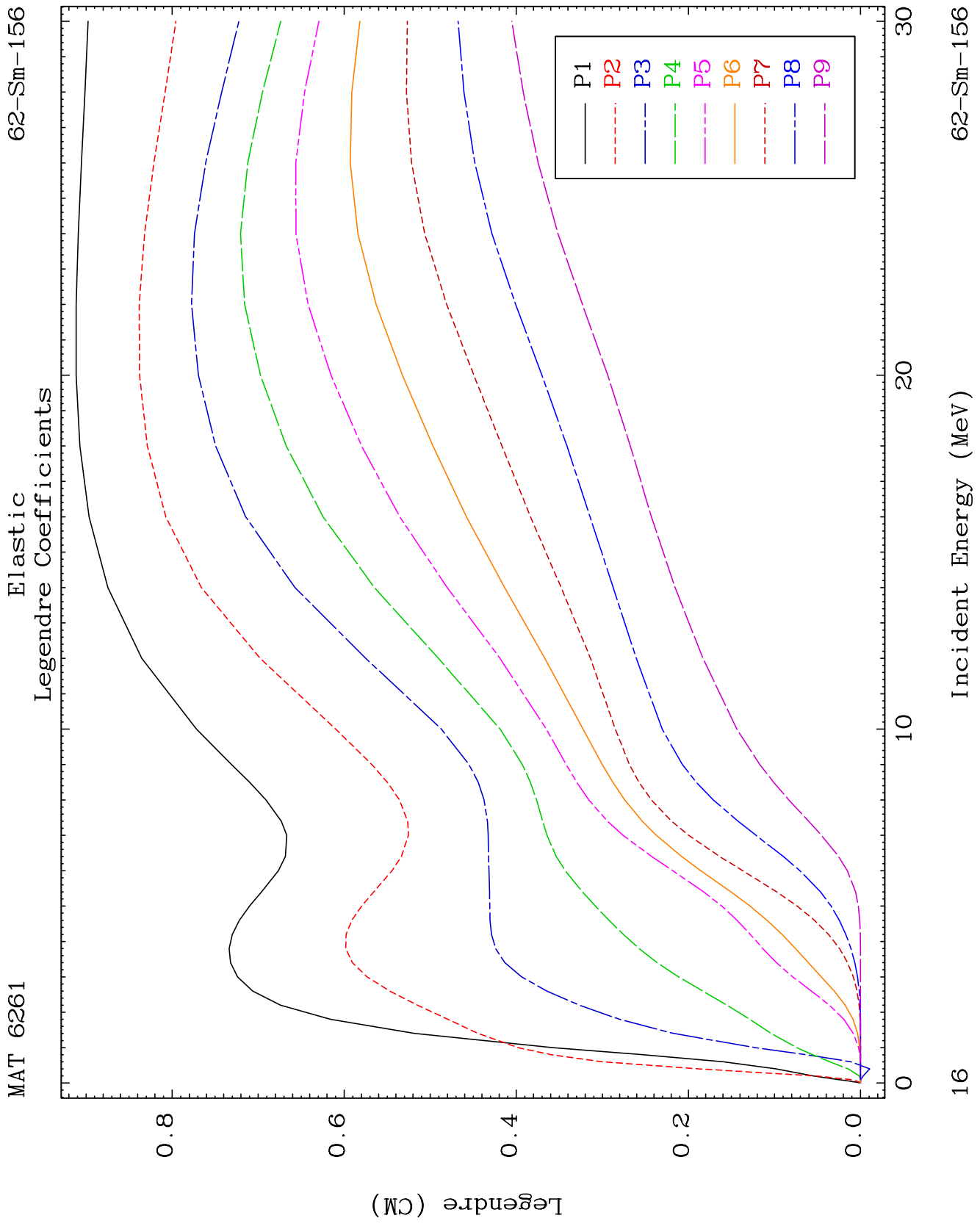
MAT 6261

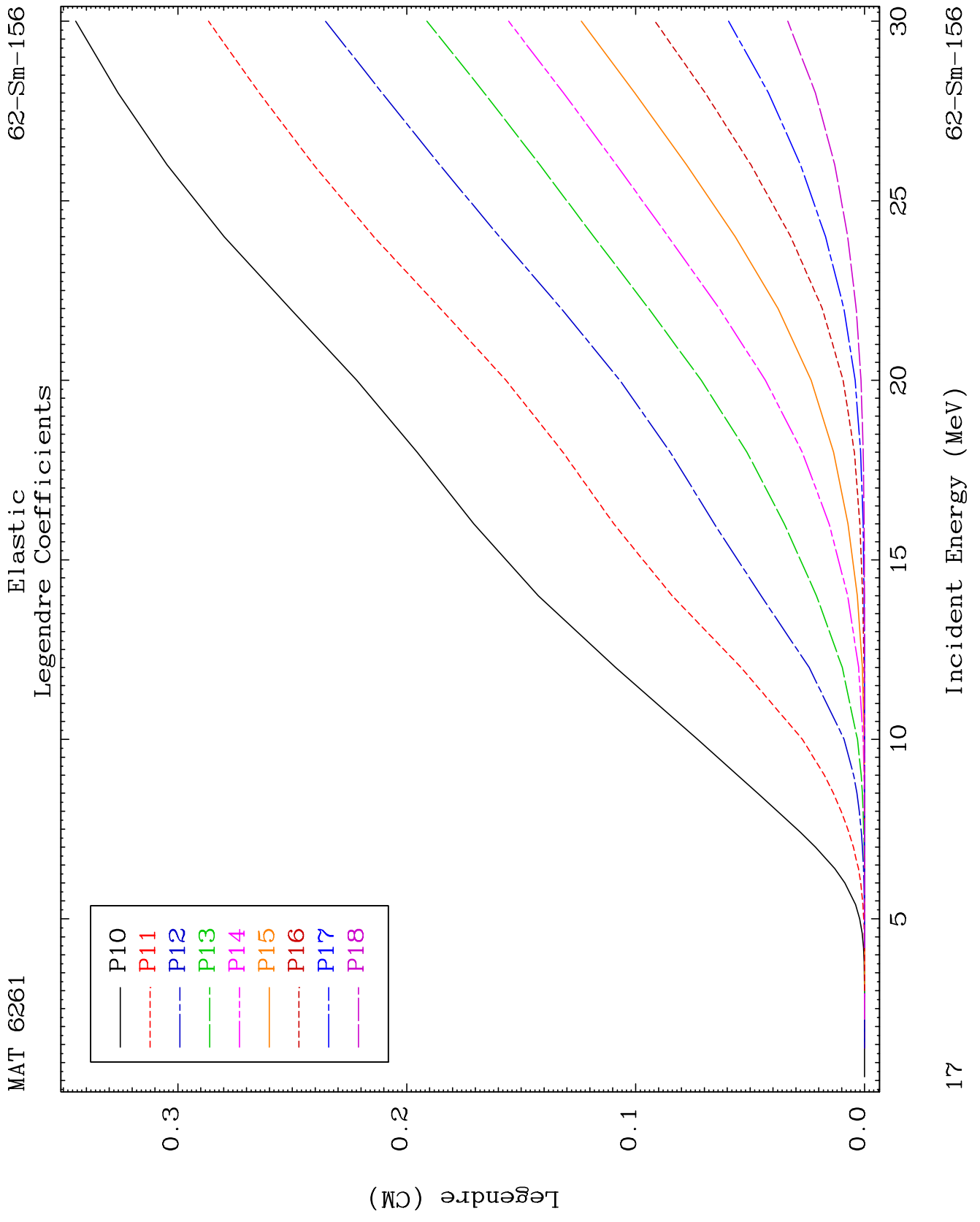
(n, α) Levels
293 Kelvin Cross Sections

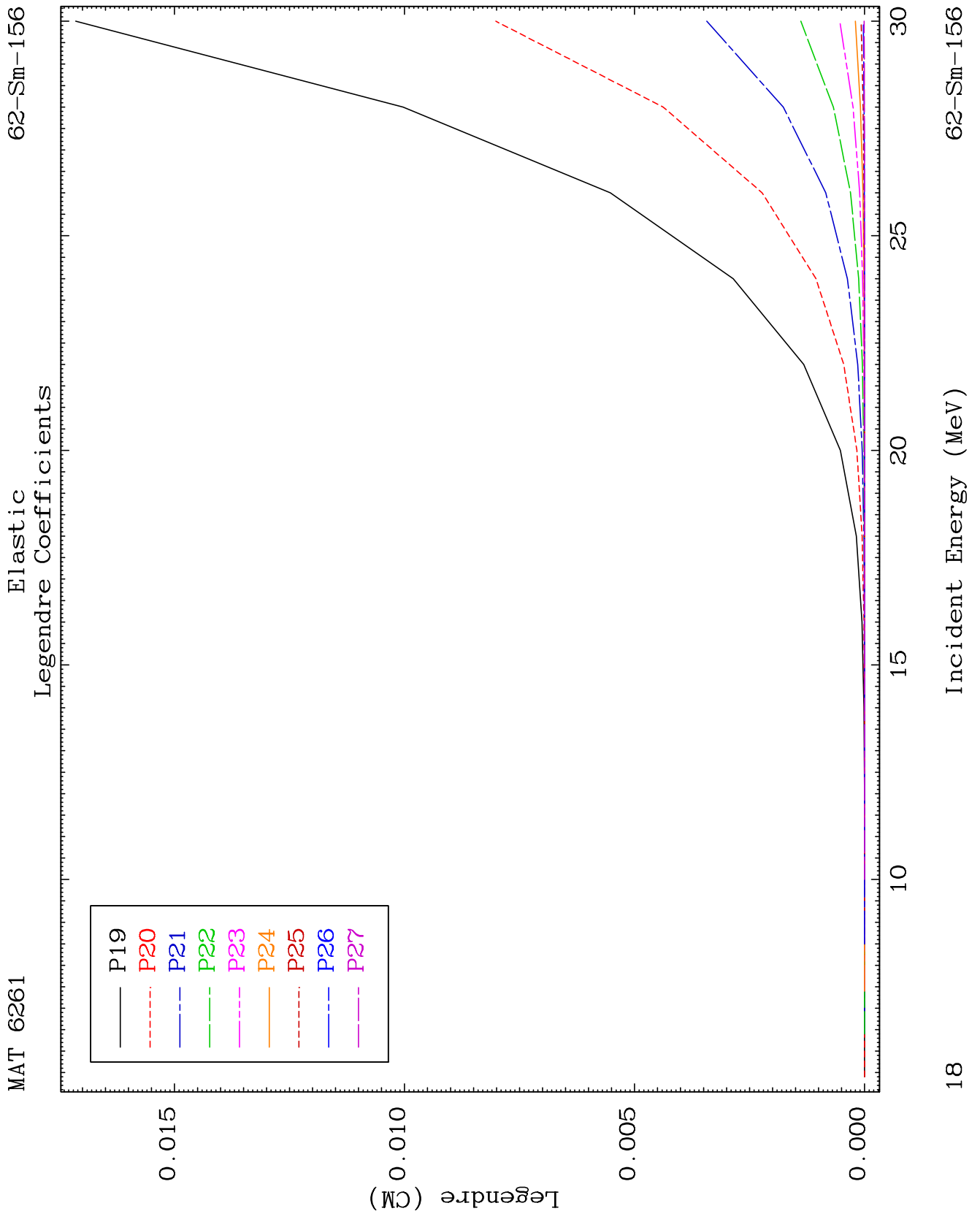
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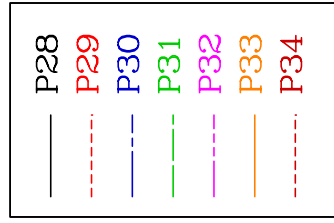




MAT 6261

Elastic Legendre Coefficients

62-Sm-156



$\times 10^{-6}$
2.5
2.0

Legendre (CM)

1.5
1.0
0.5
0.0

15

20

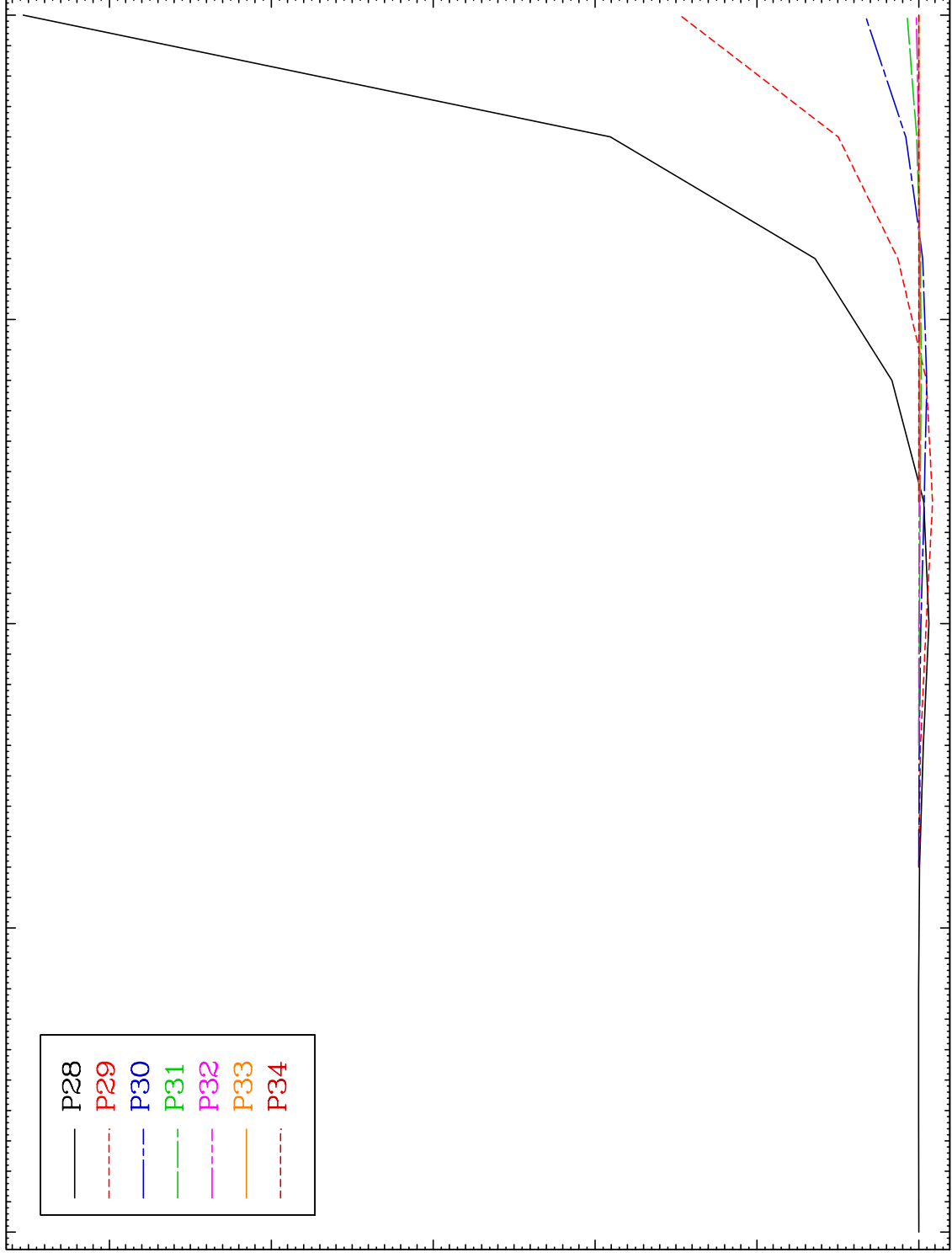
25

30

19

Incident Energy (MeV)

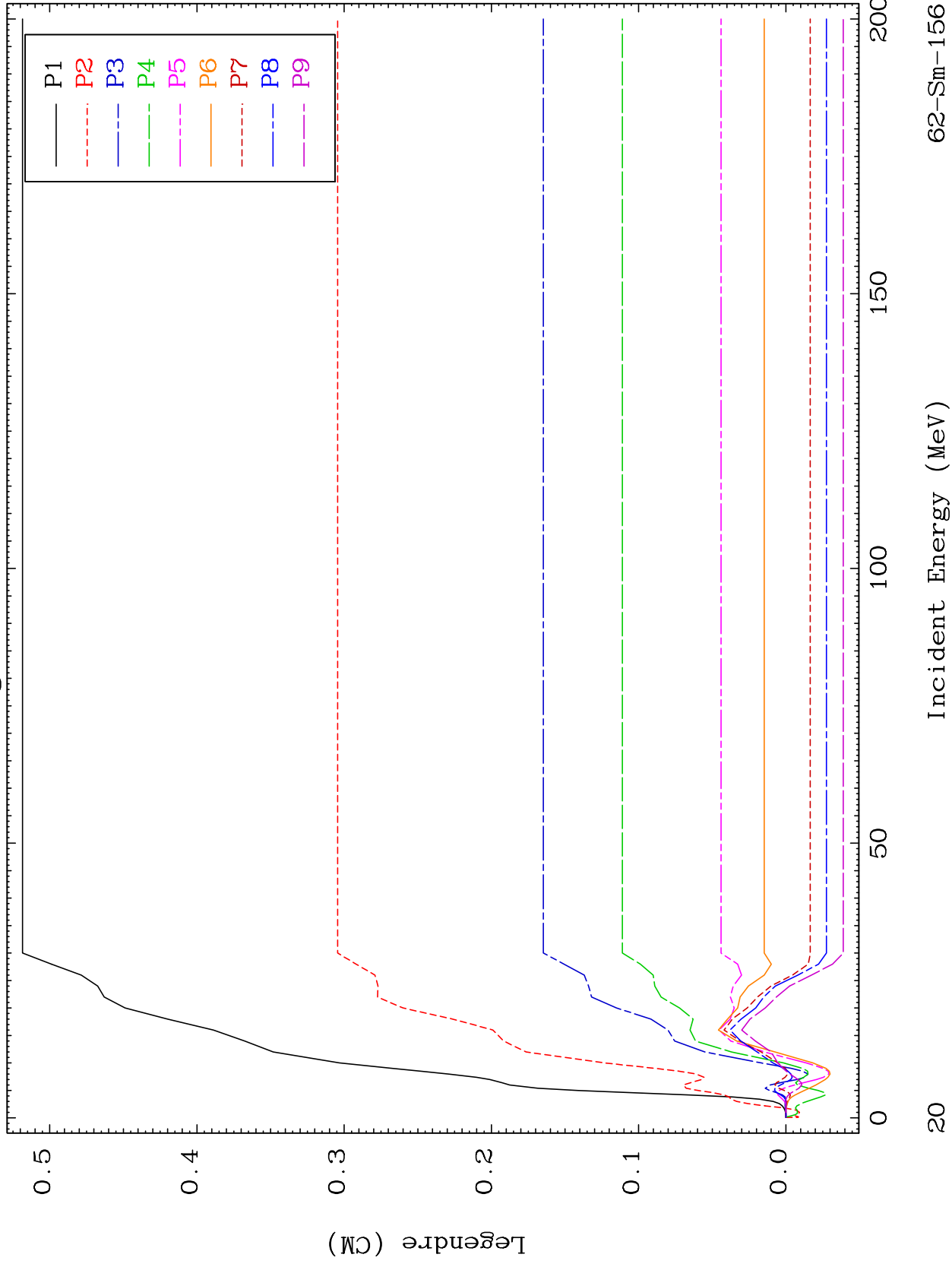
62-Sm-156



MAT 6261

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

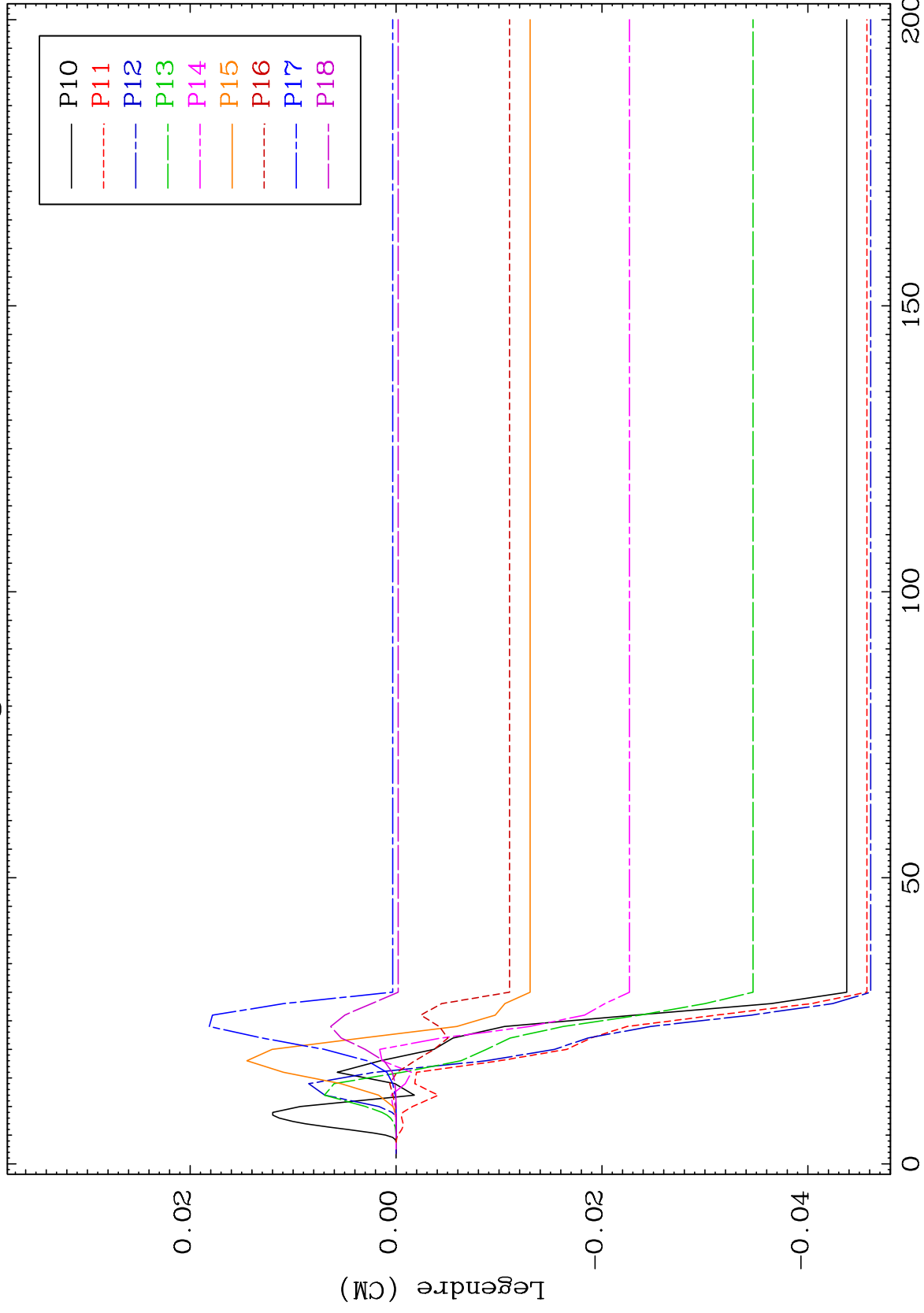
62-Sm-156



MAT 6261

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

62-Sm-156



21

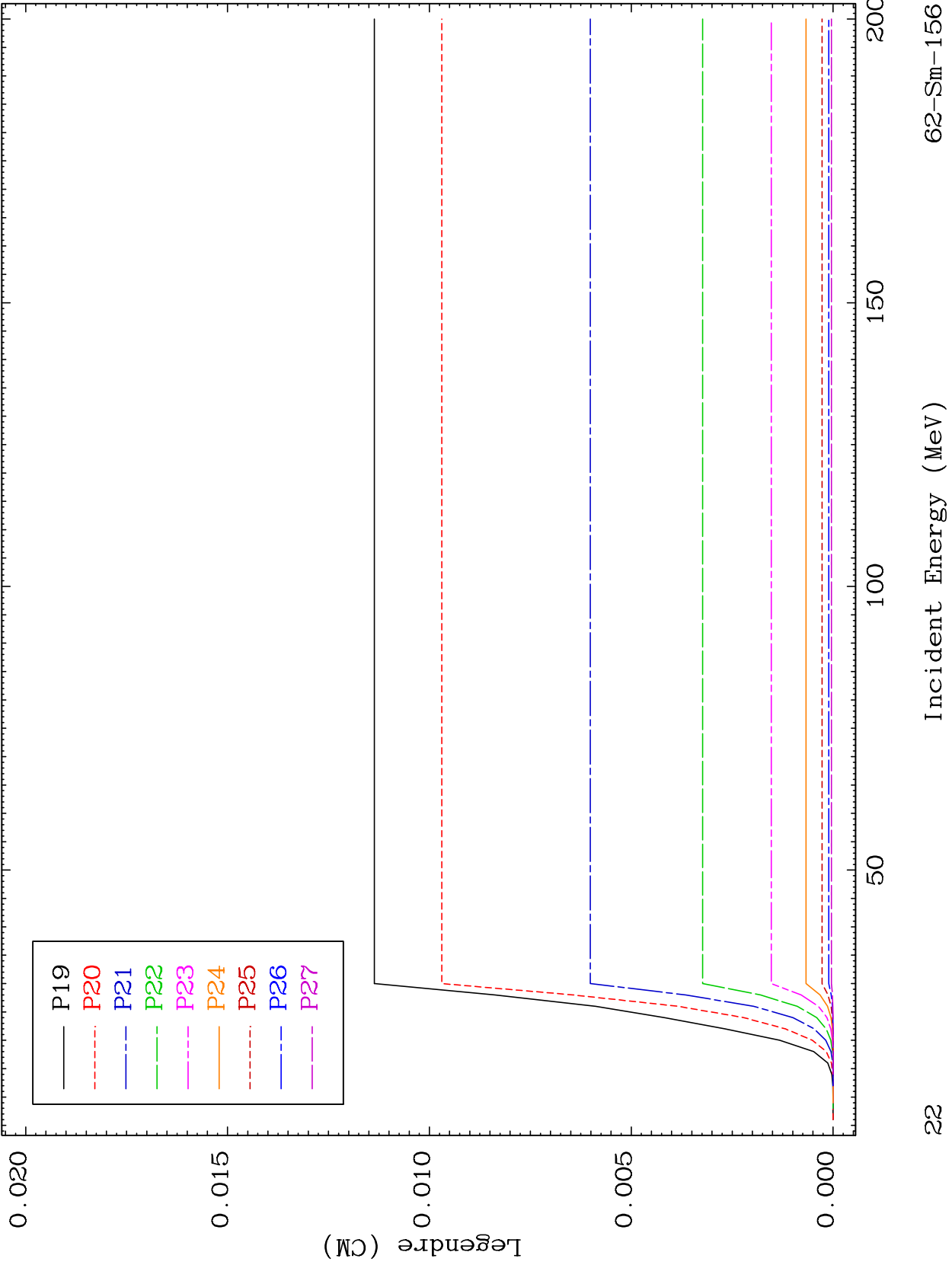
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



22

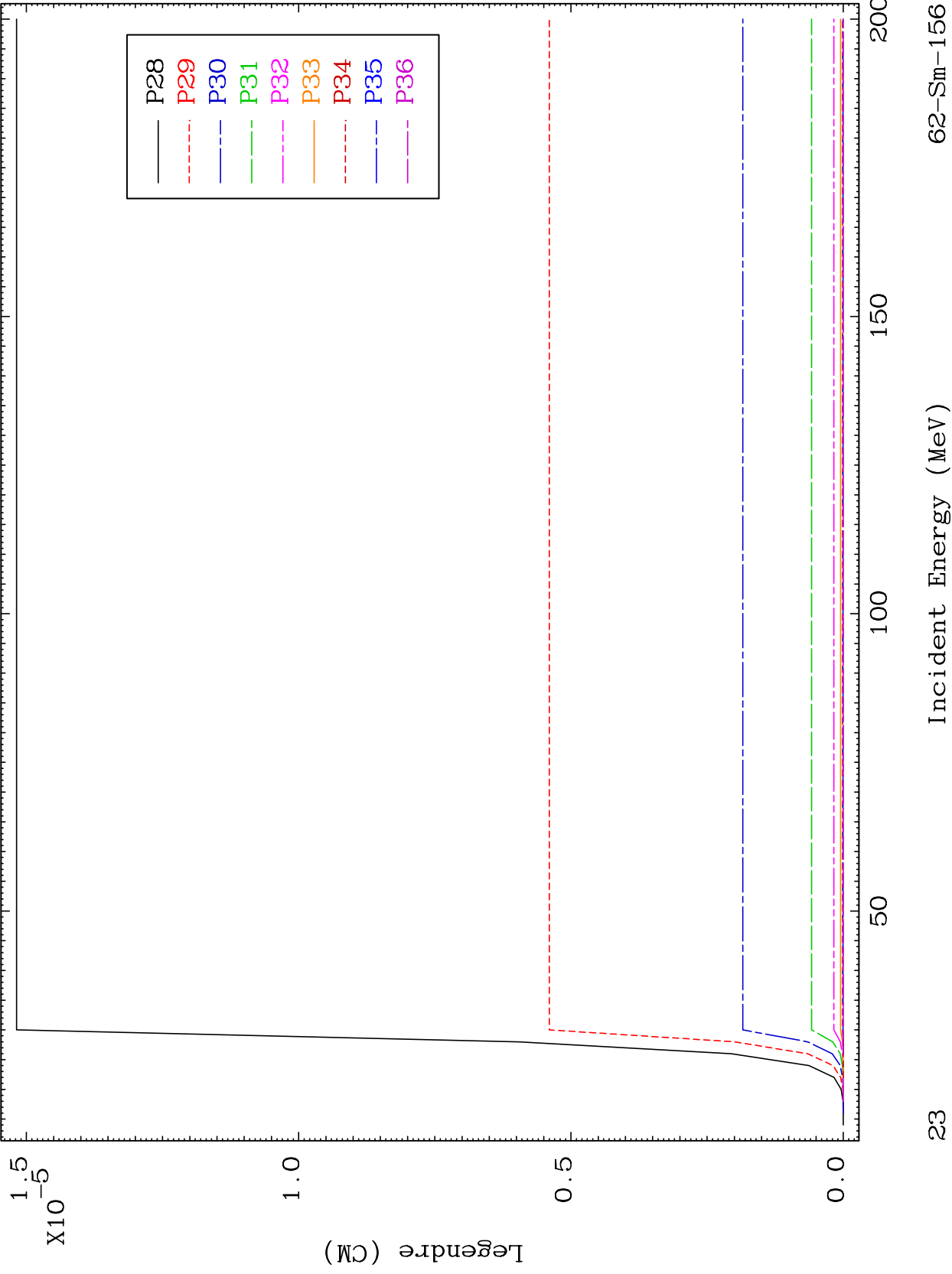
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156

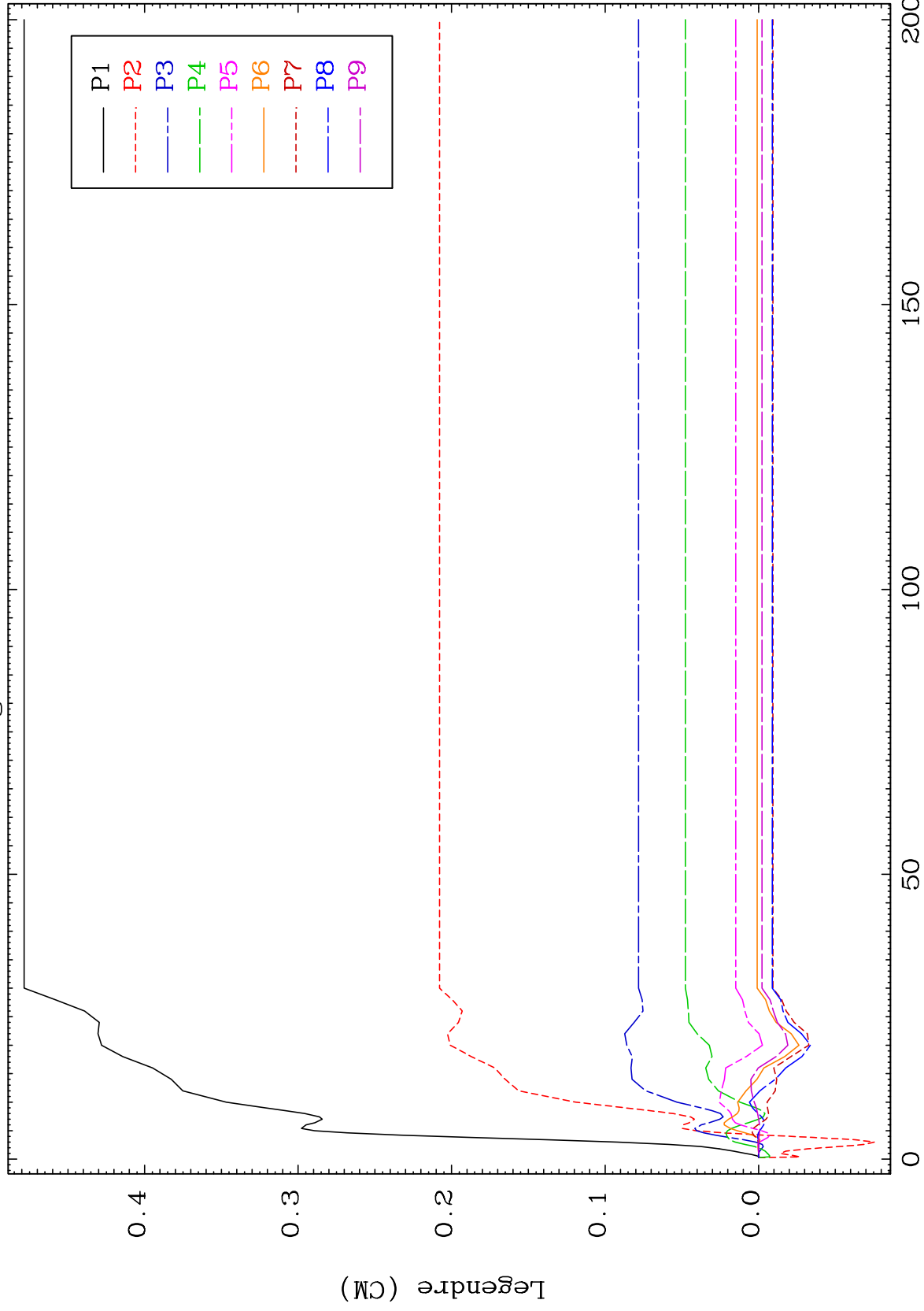


23

MAT 6261

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

62-Sm-156



24

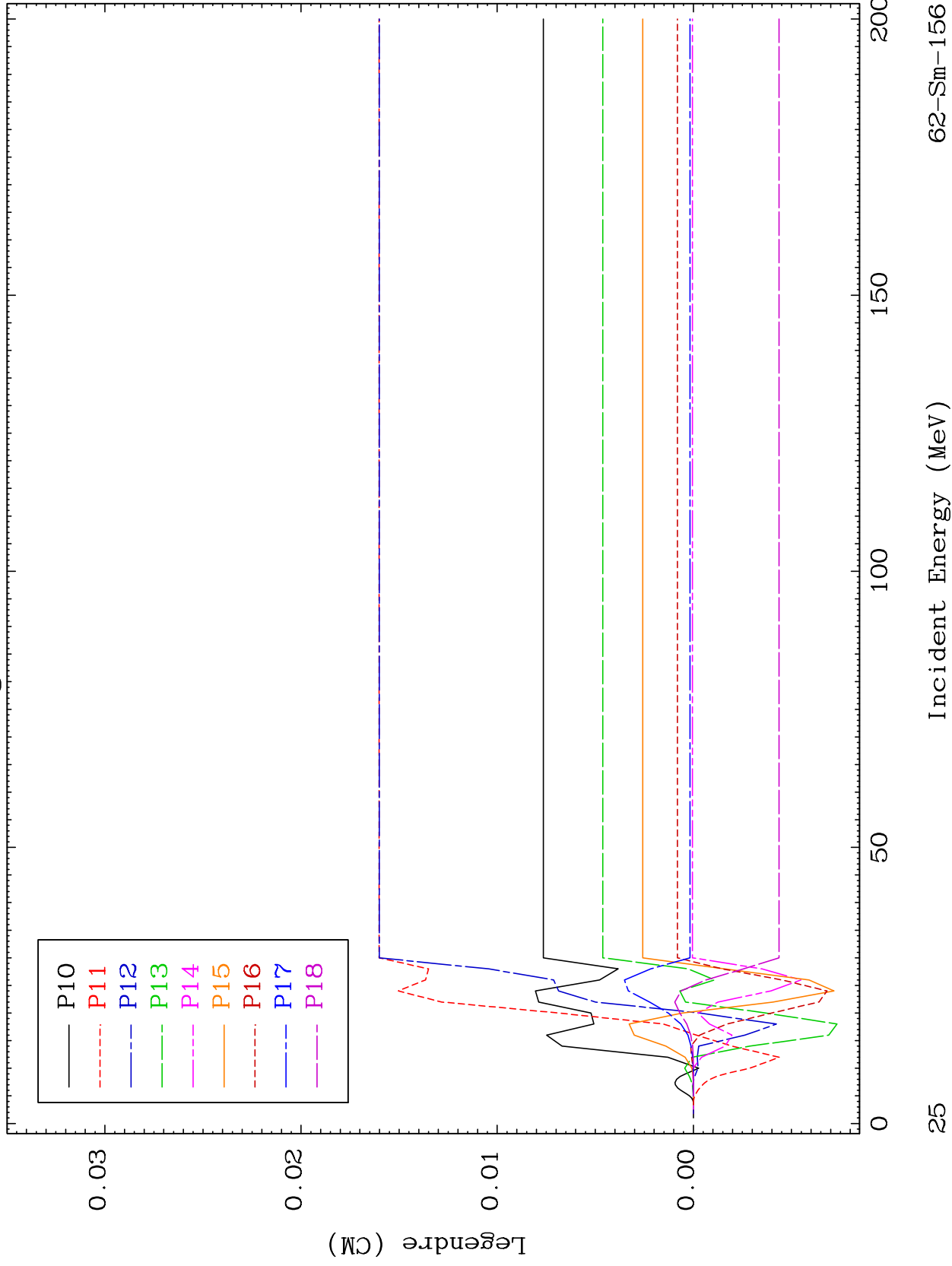
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



62-Sm-156

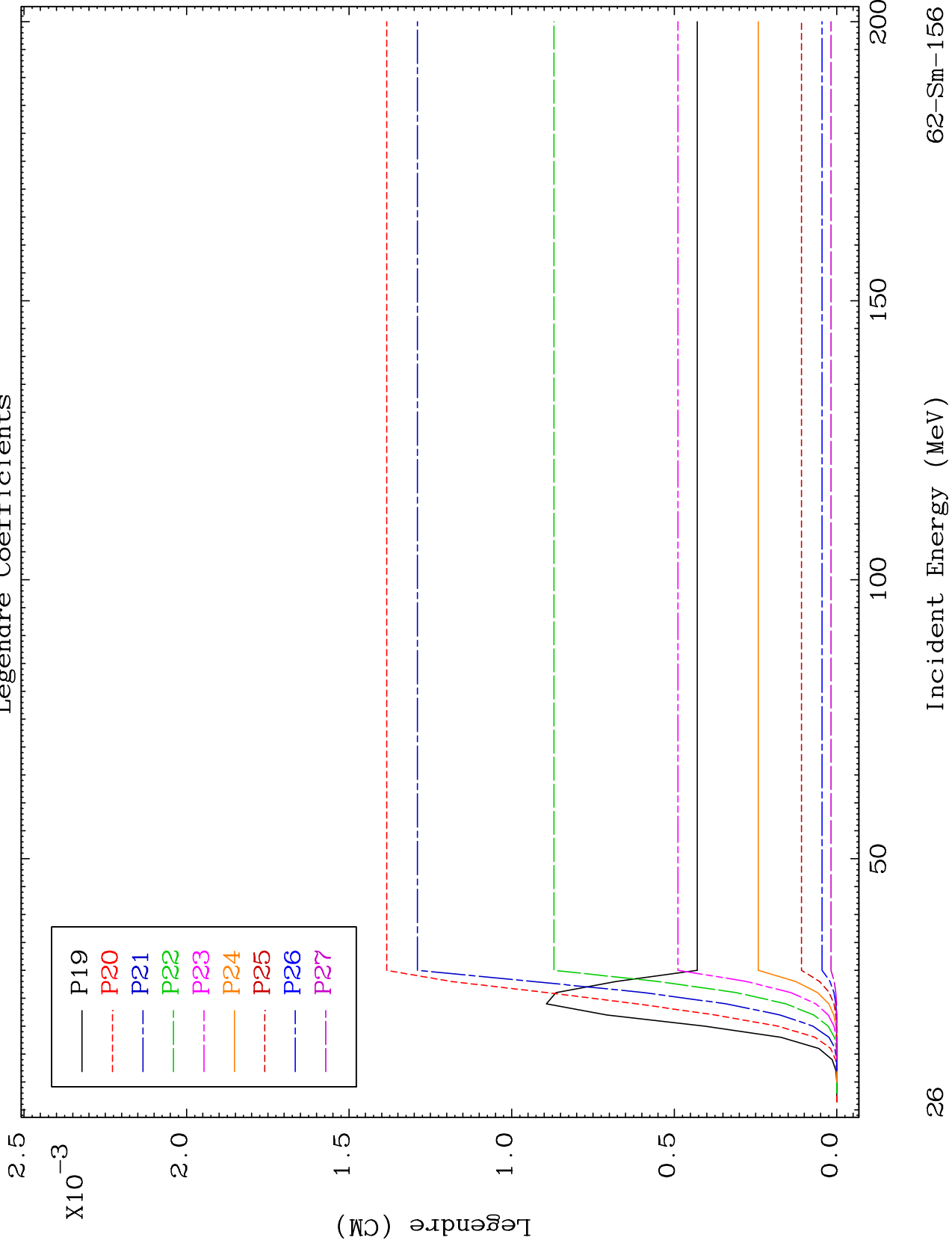
Incident Energy (MeV)

25

MAT 6261

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

62-Sm-156



26

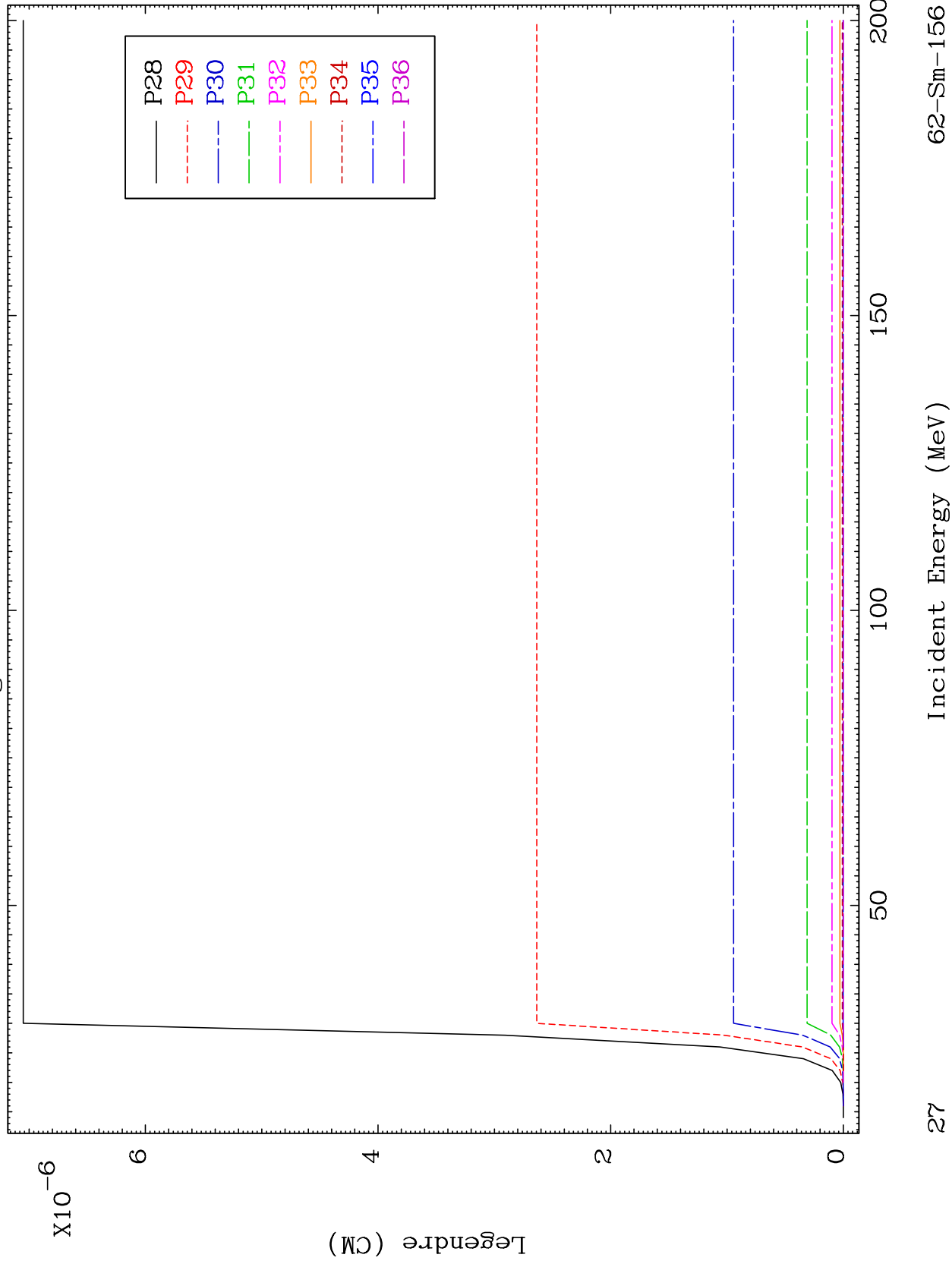
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



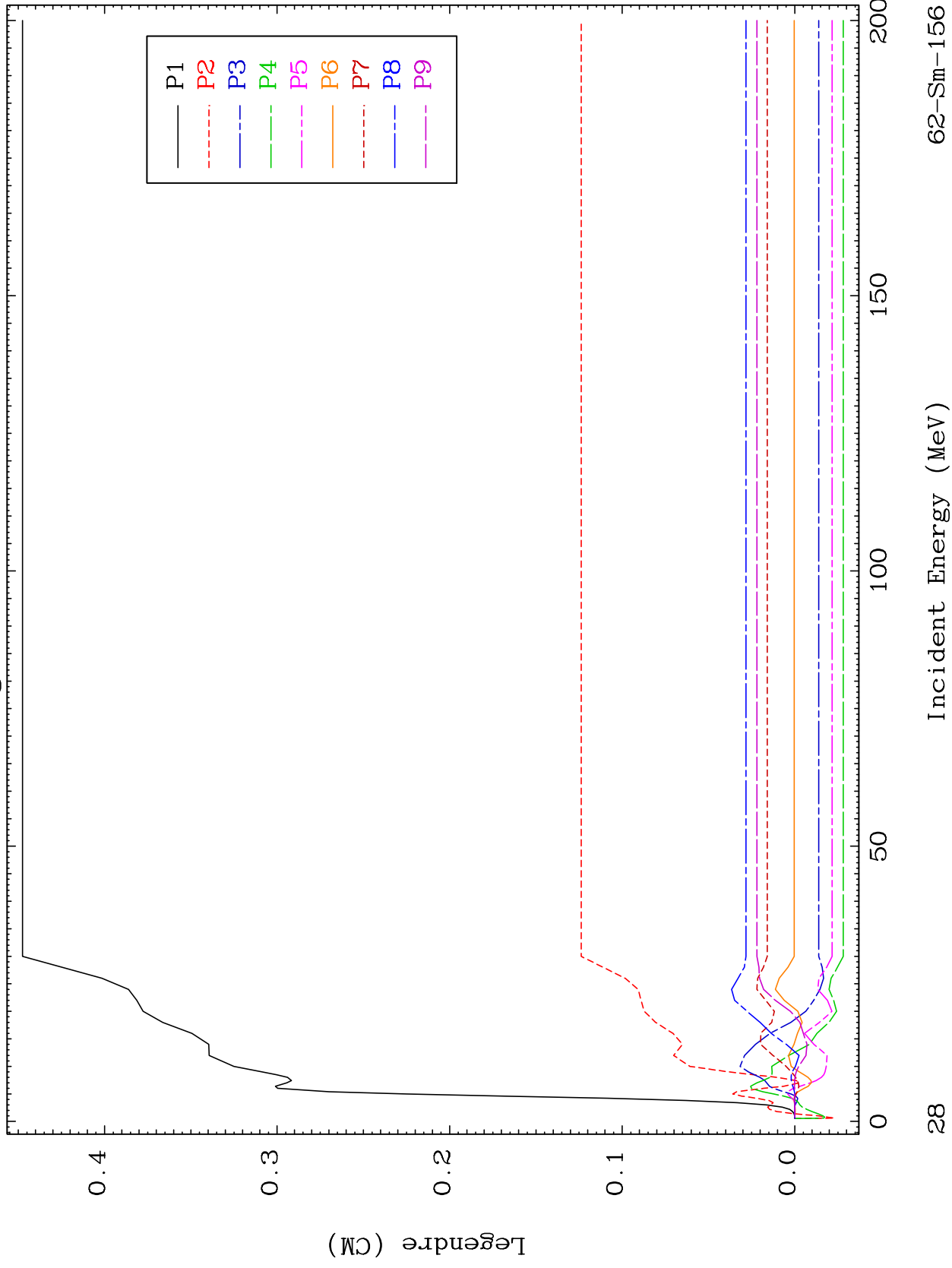
27

62-Sm-156

MAT 6261

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

62-Sm-156



62-Sm-156

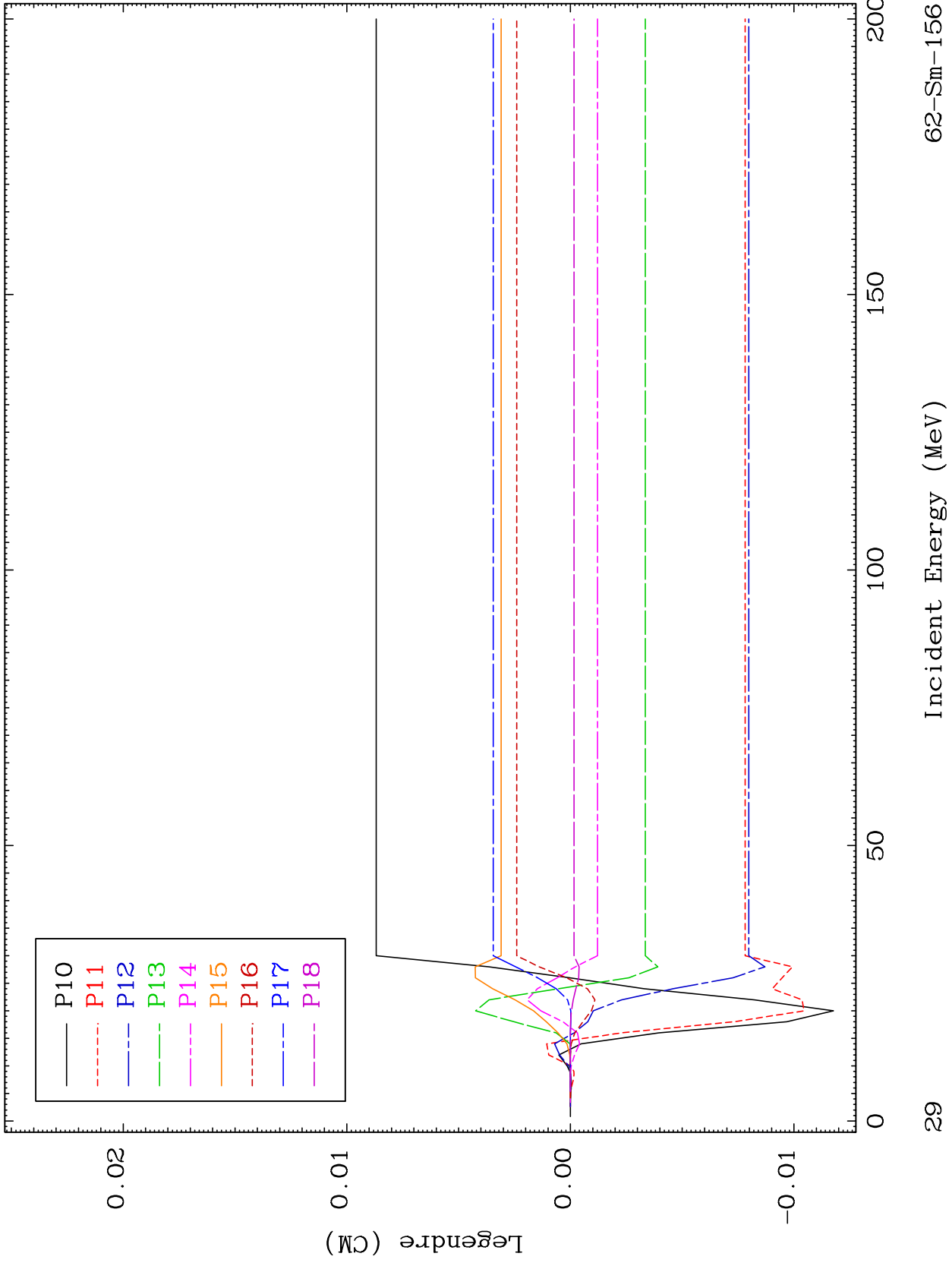
Incident Energy (MeV)

28

MAT 6261

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

62-Sm-156



29

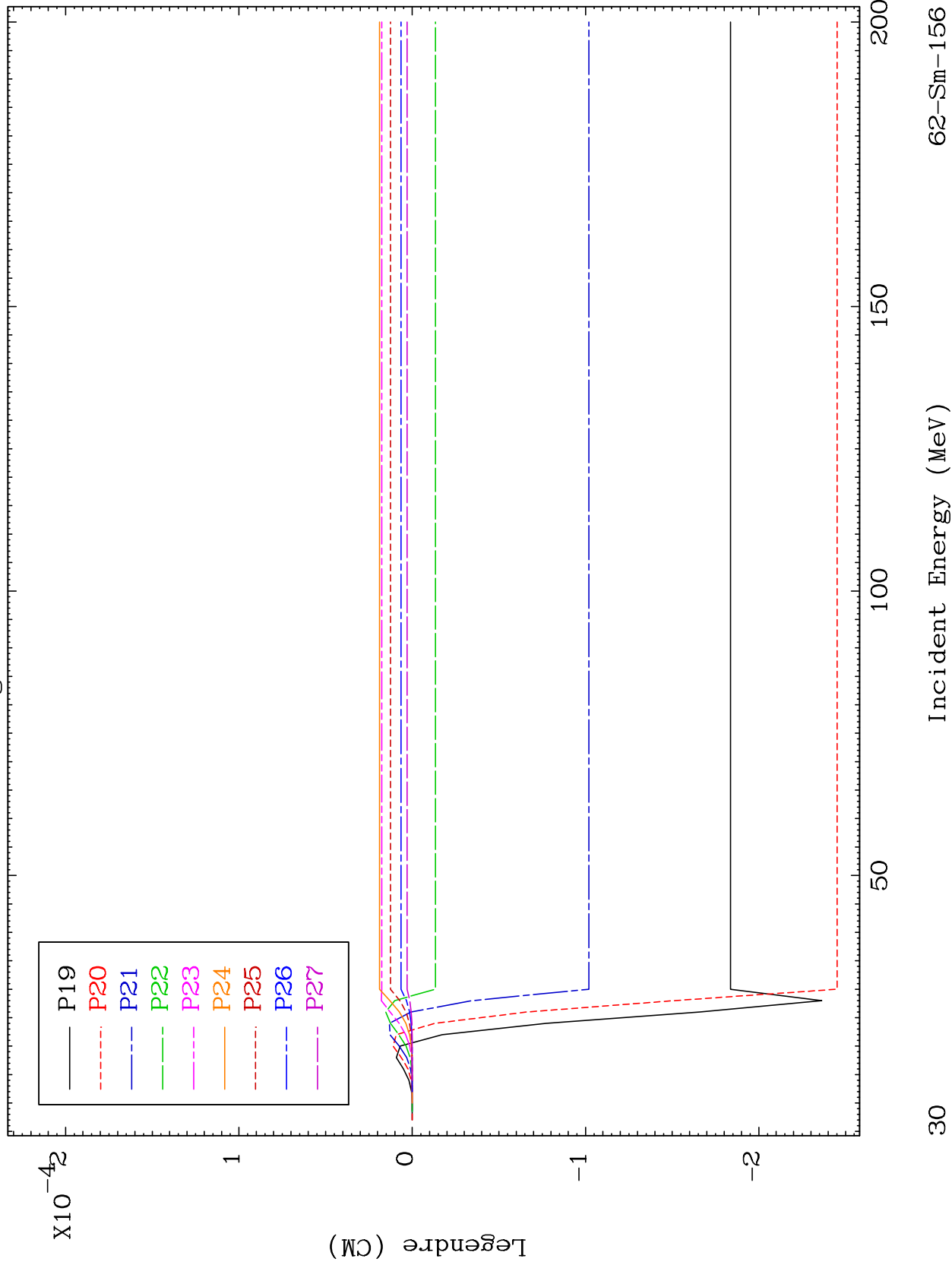
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



30

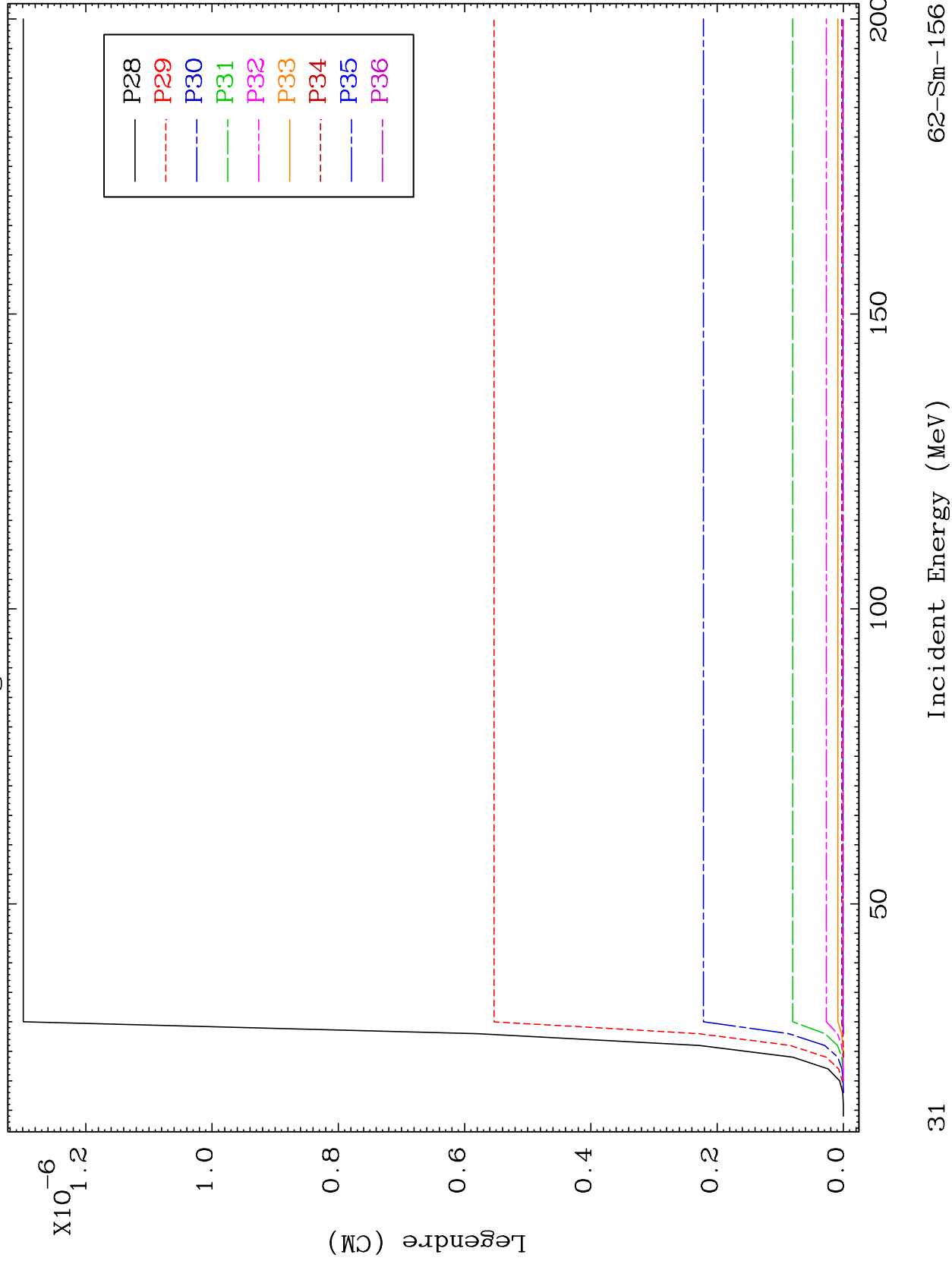
Incident Energy (MeV)

62-Sm-156

MAT 6261

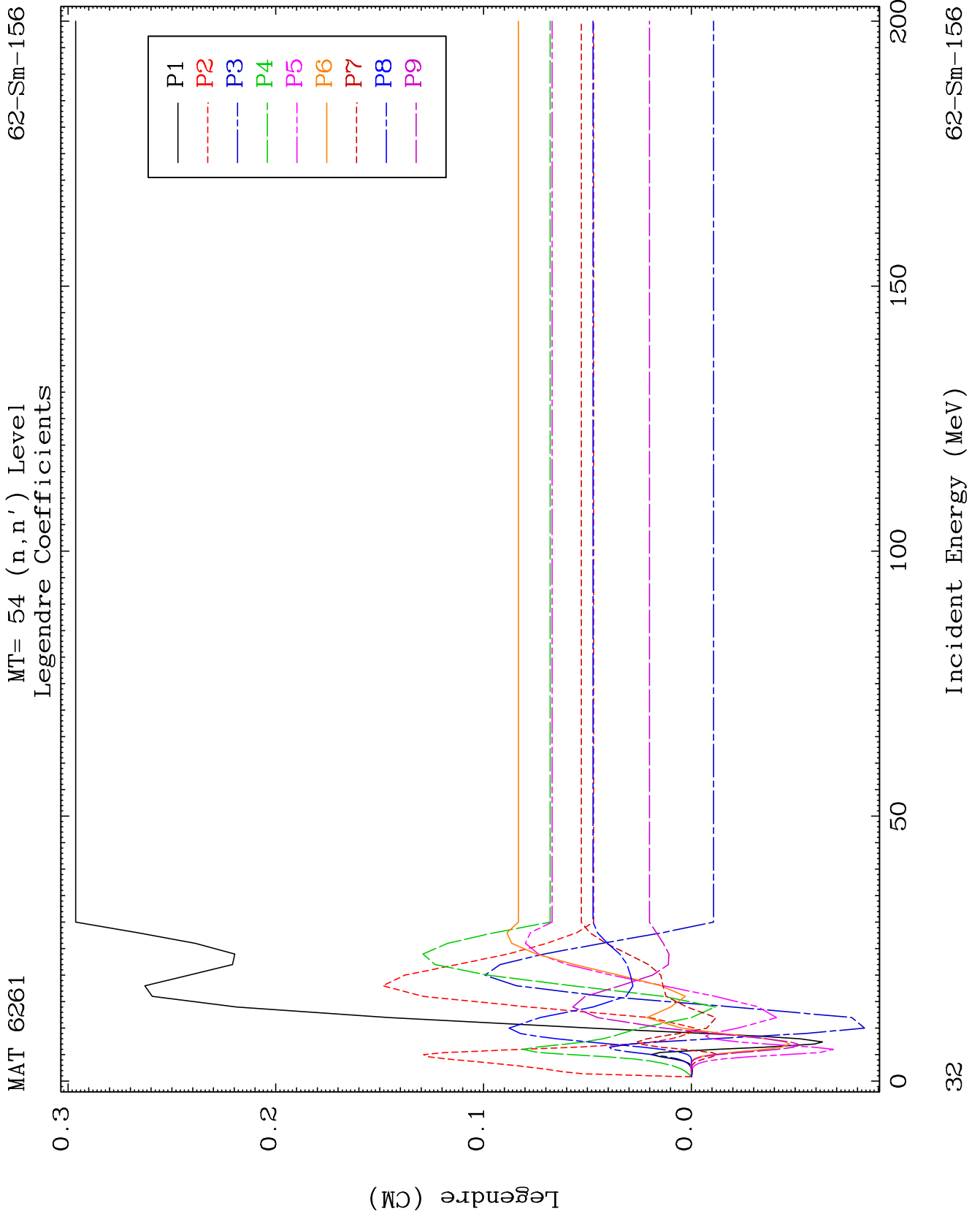
MT= 53 (n,n') Level
Legendre Coefficients

62-Sm-156



31

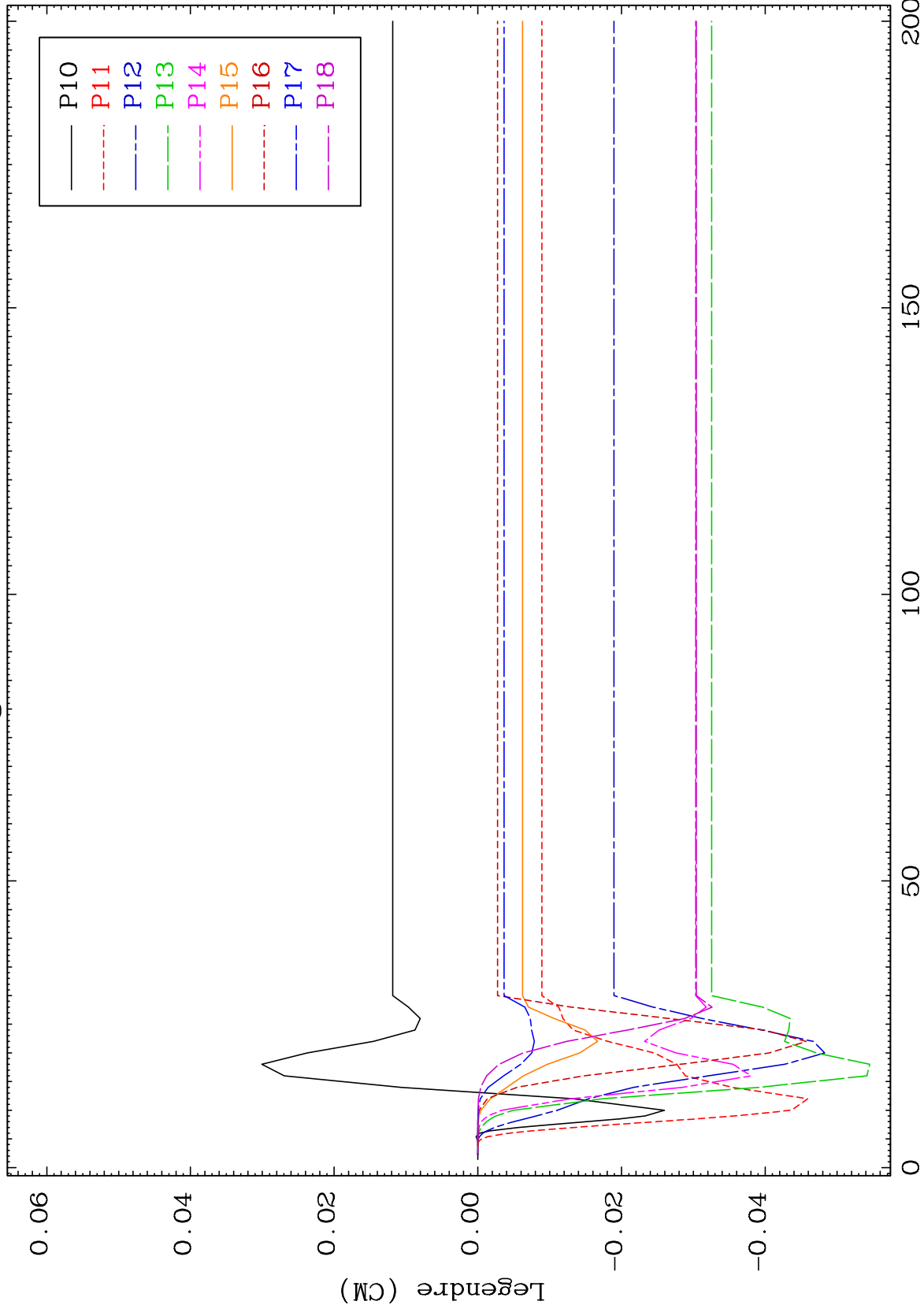
62-Sm-156



MAT 6261

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

62-Sm-156



33

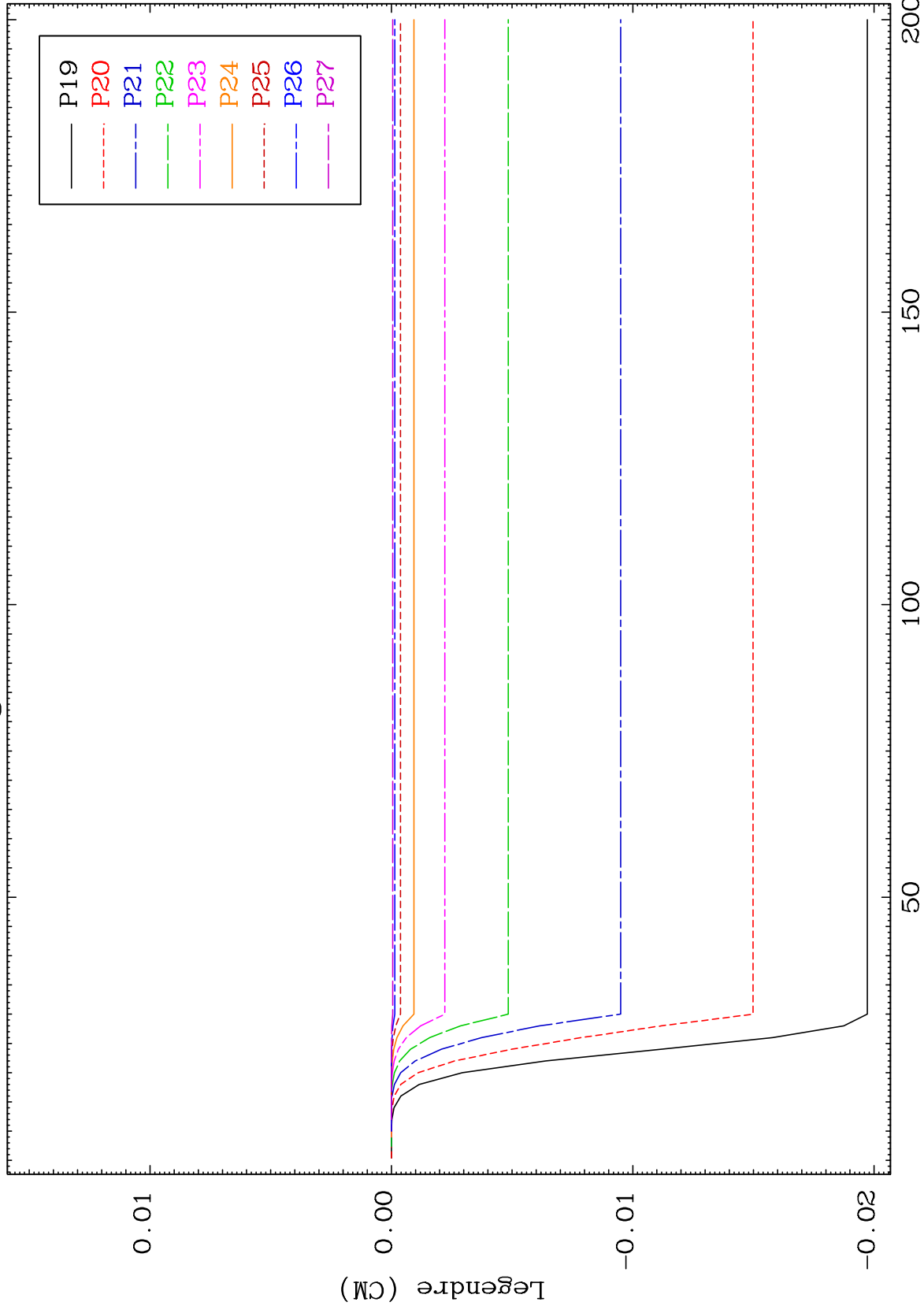
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

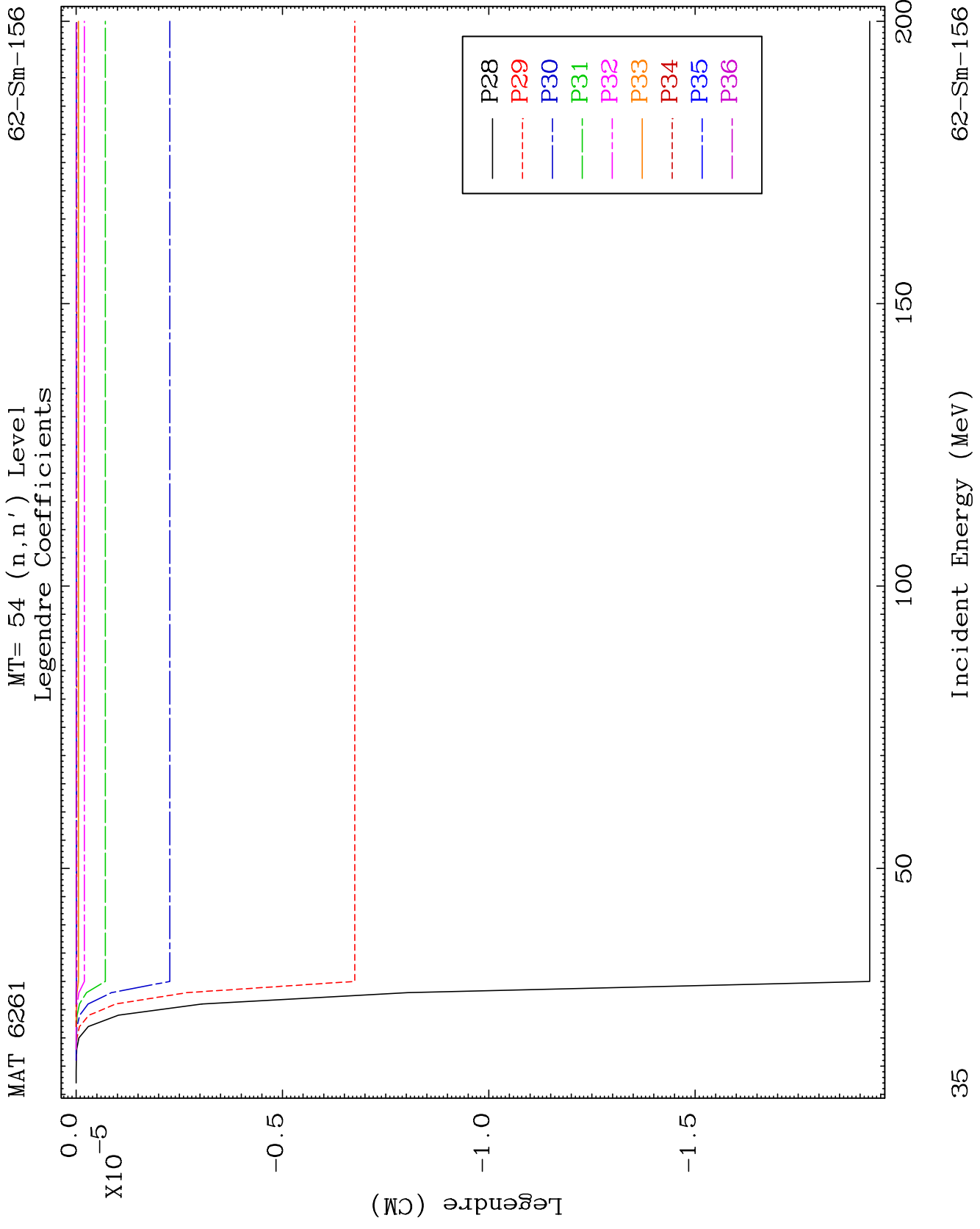
62-Sm-156



34

Incident Energy (MeV)

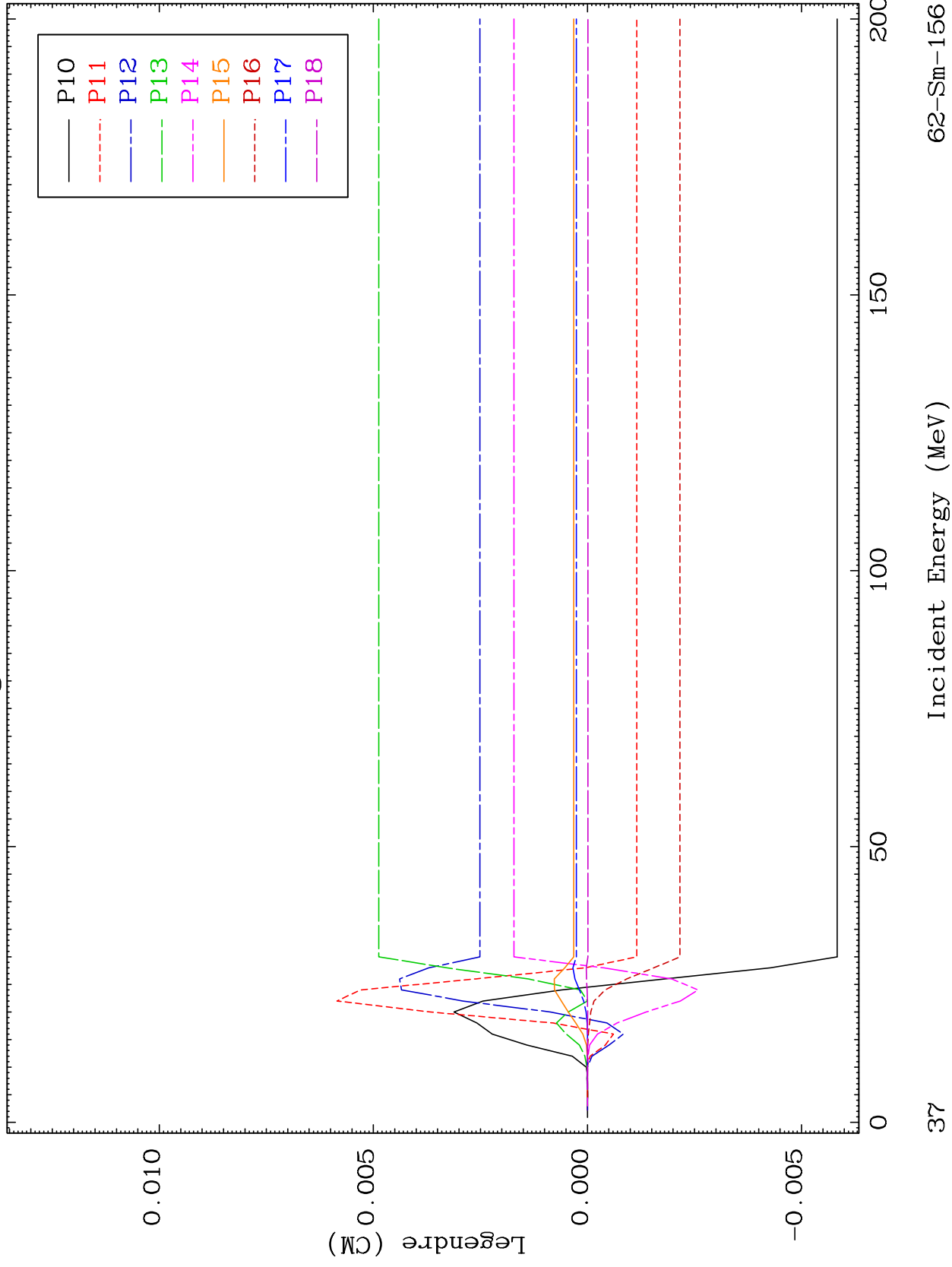
62-Sm-156



MAT 6261

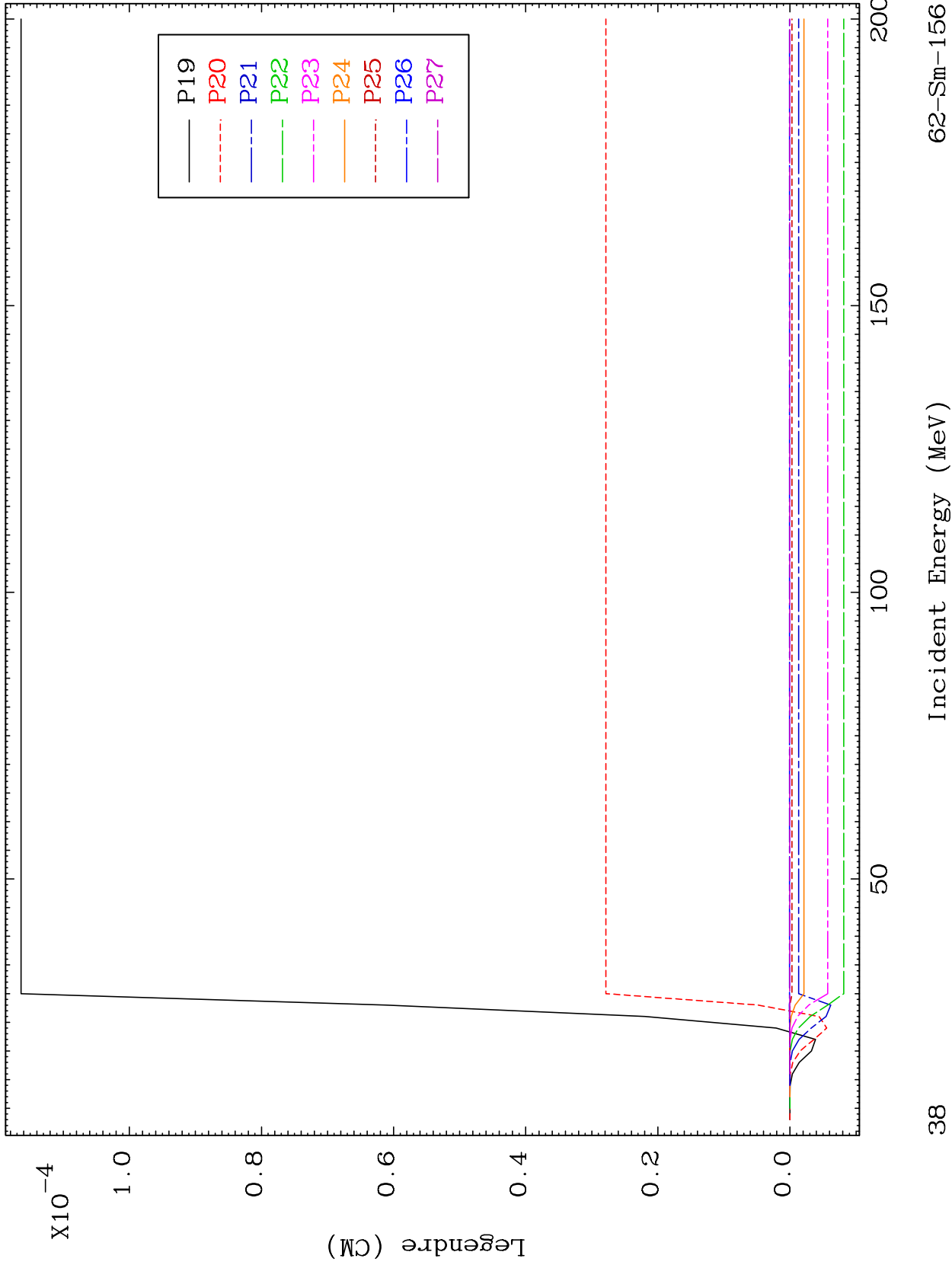
MT= 55 (n,n') Level
Legendre Coefficients

62-Sm-156



37

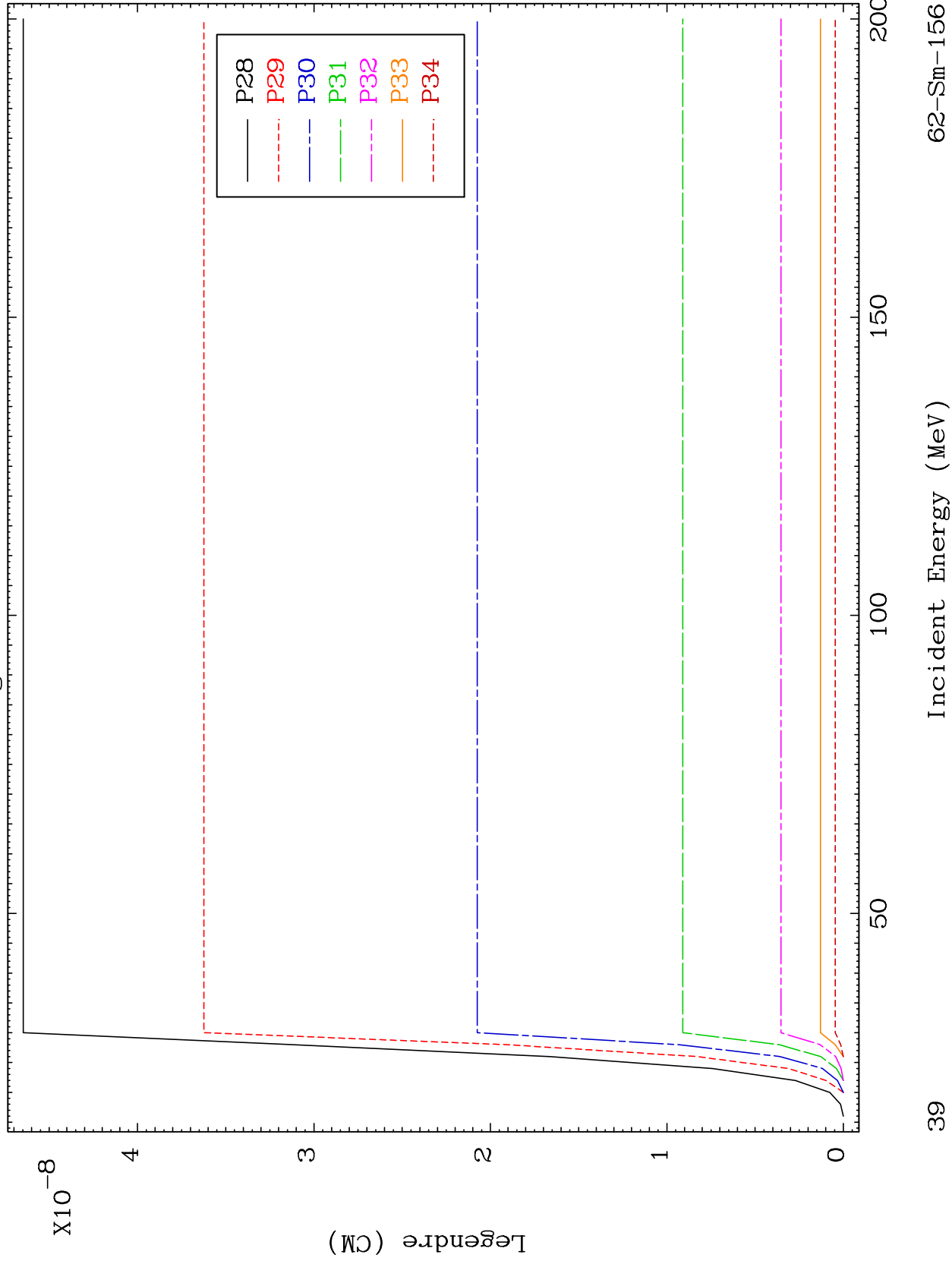
62-Sm-156



MAT 6261

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

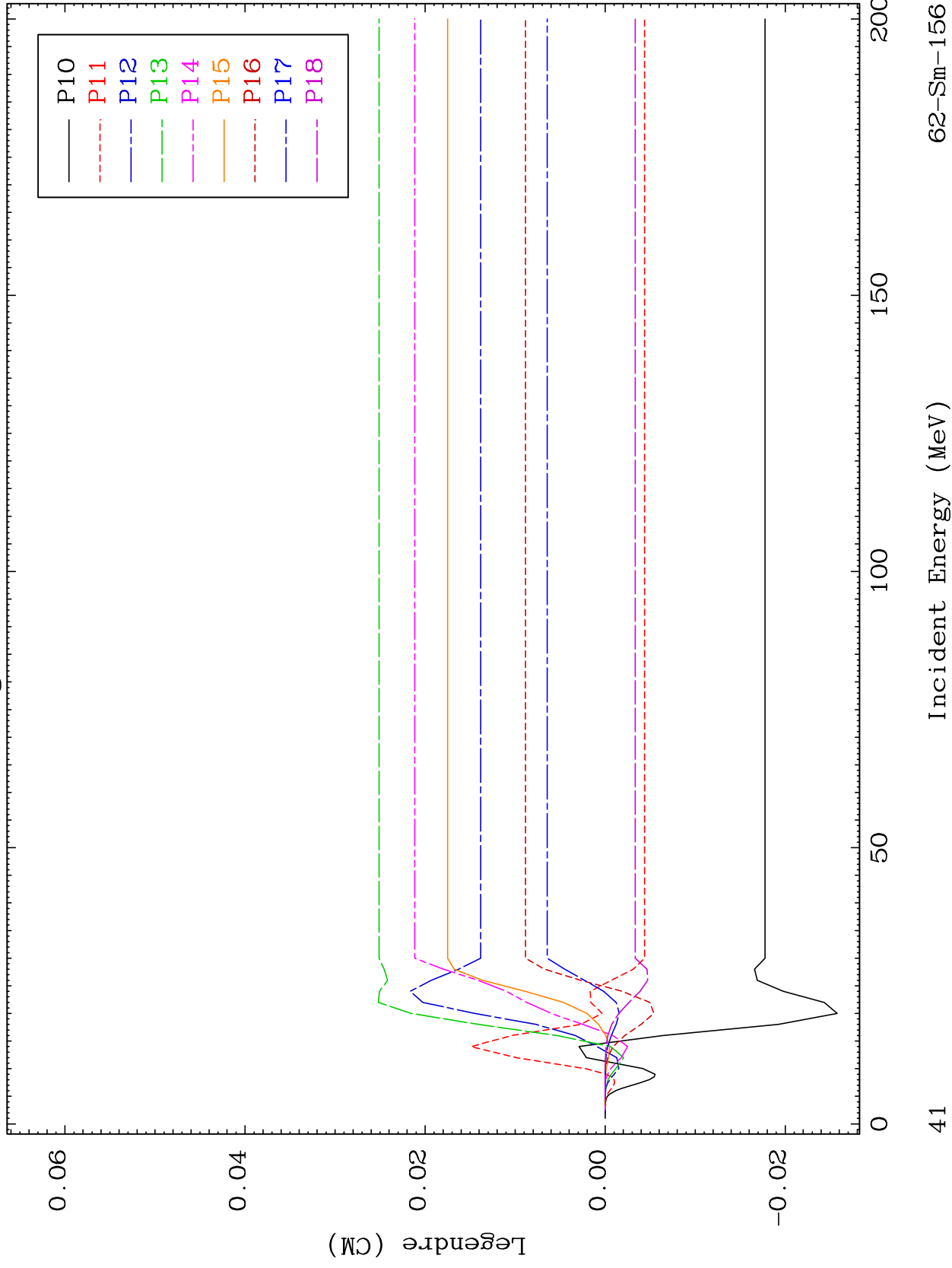
62-Sm-156



MAT 6261

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

62-Sm-156



41

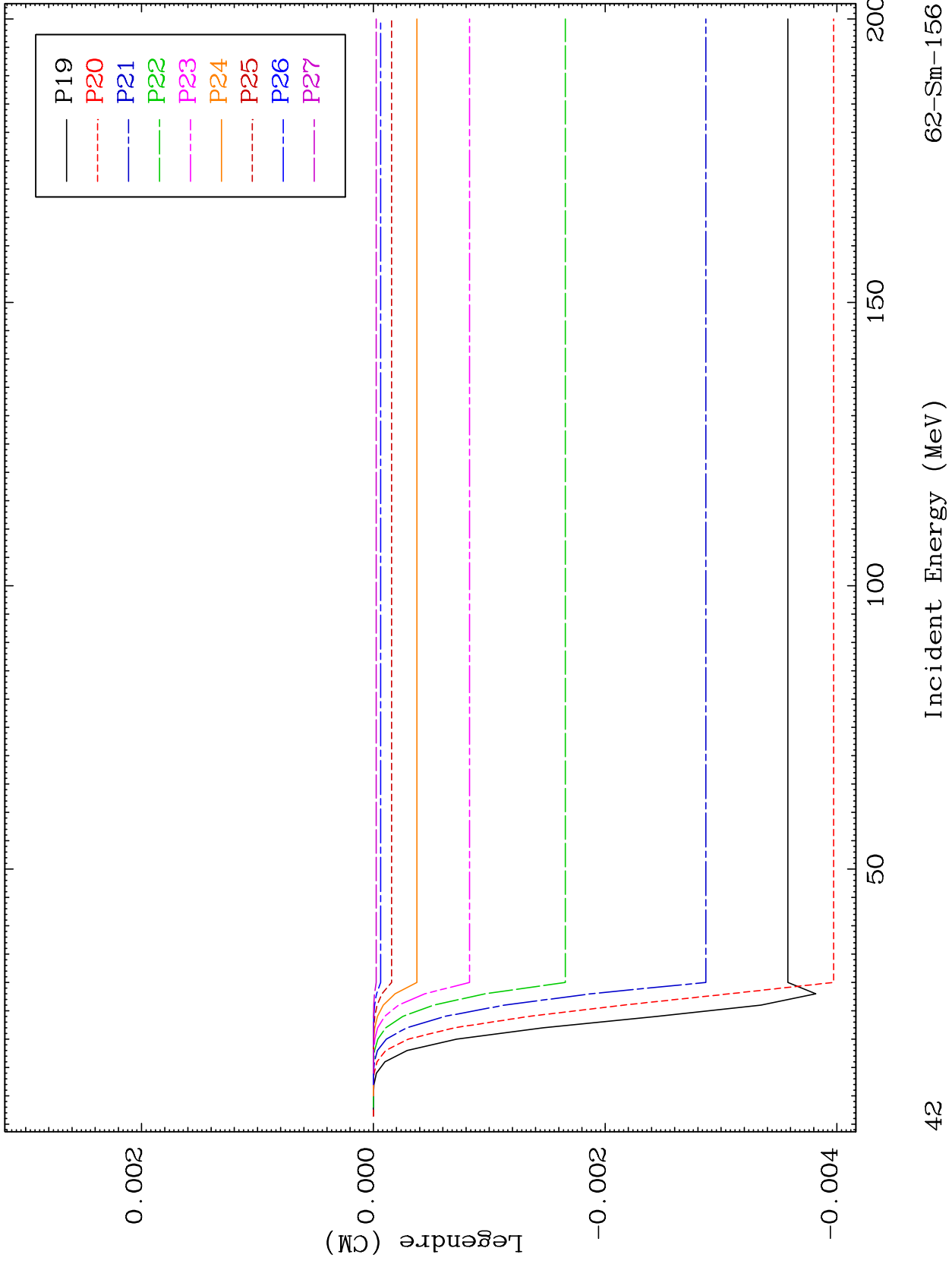
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

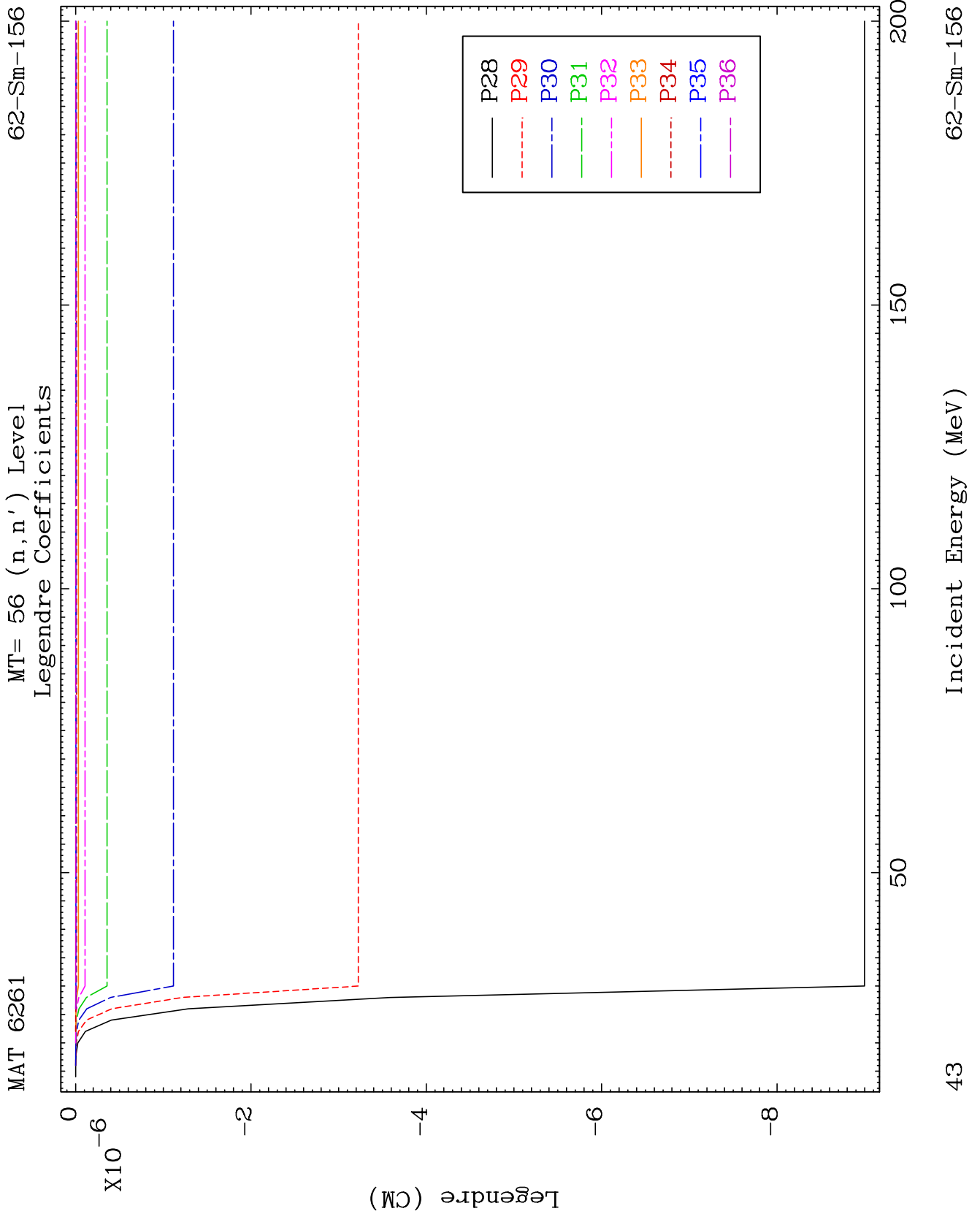
62-Sm-156



42

Incident Energy (MeV)

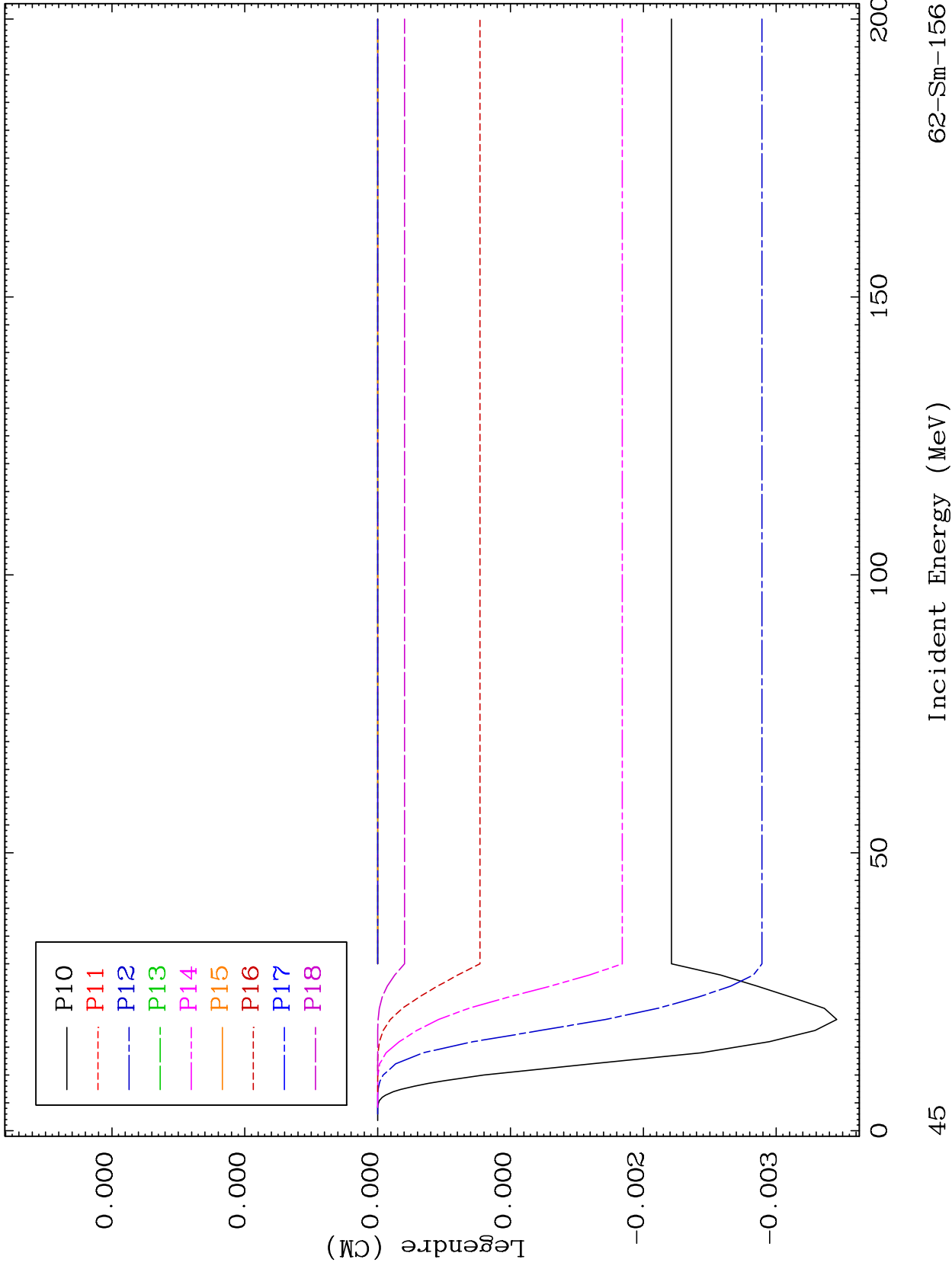
62-Sm-156



MAT 6261

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

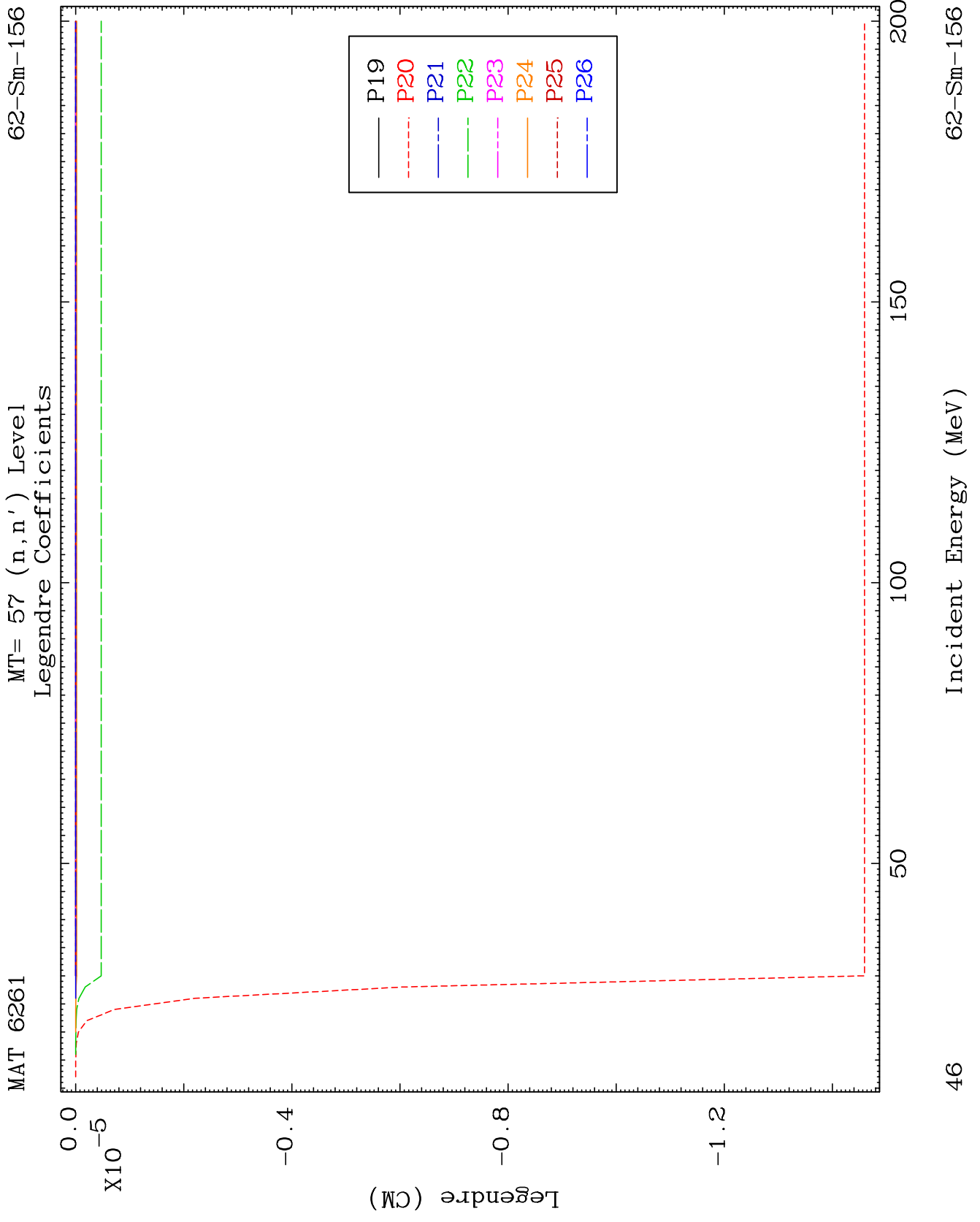
62-Sm-156



45

Incident Energy (MeV)

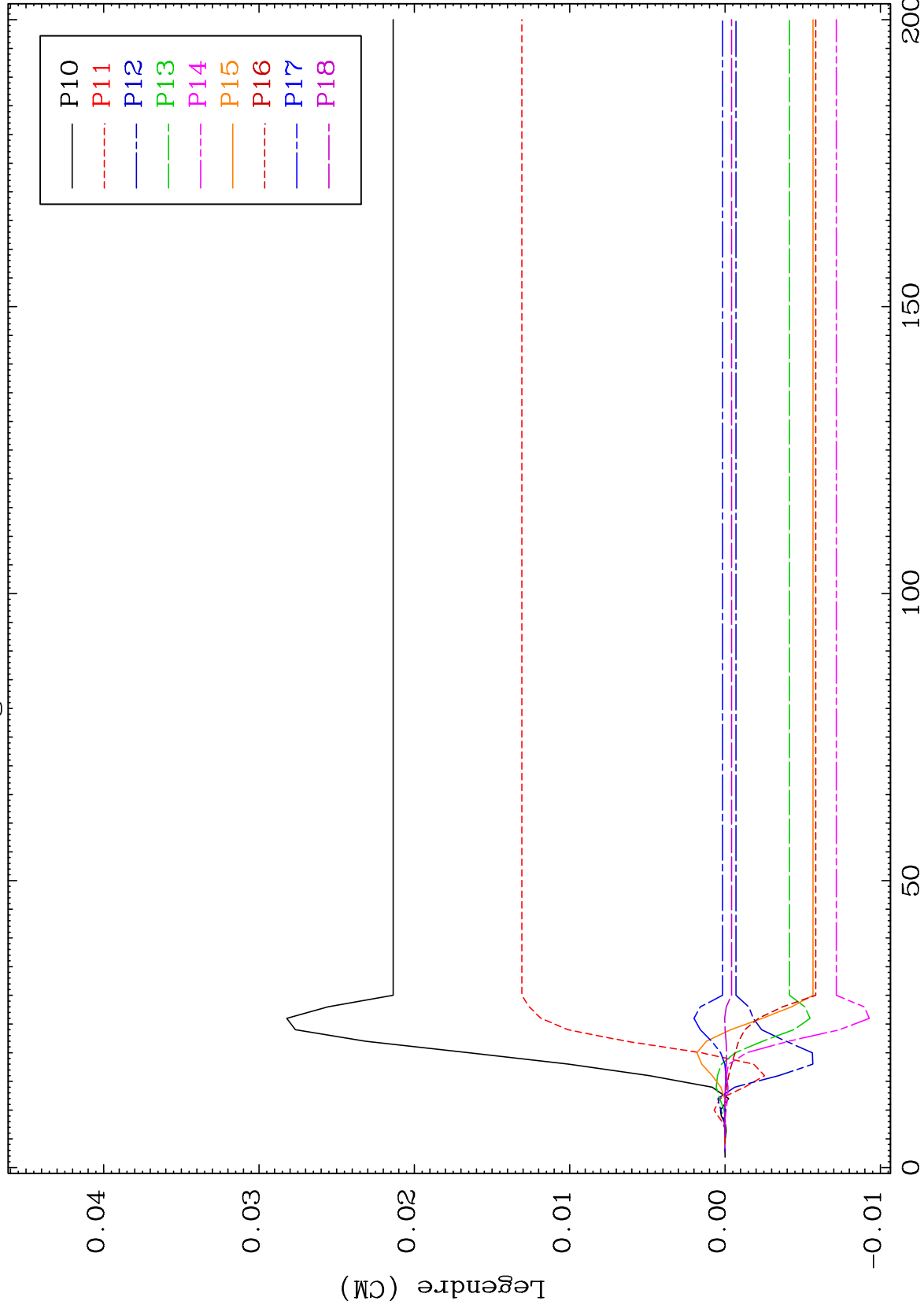
62-Sm-156



MAT 6261

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

62-Sm-156



48

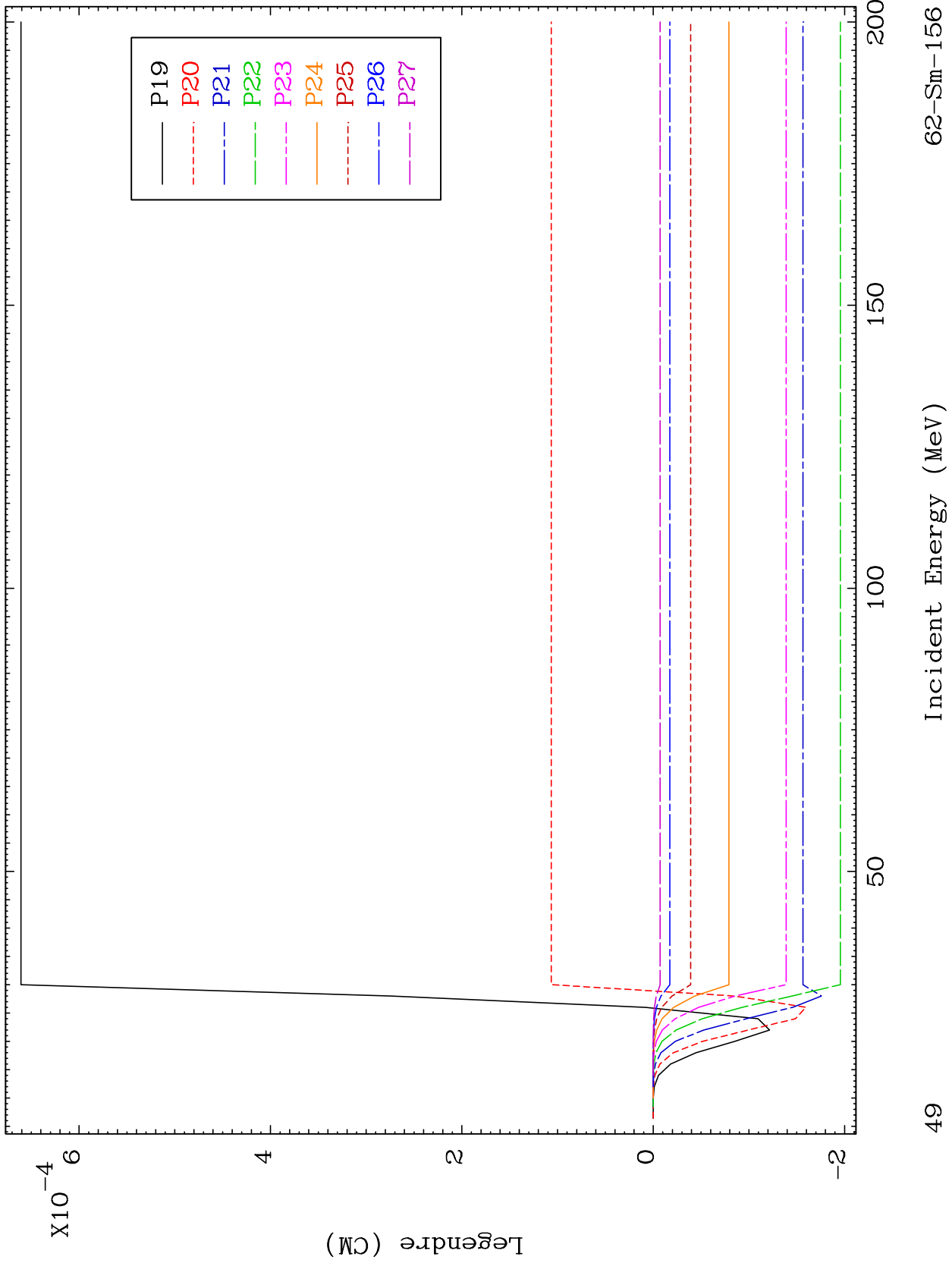
Incident Energy (MeV)

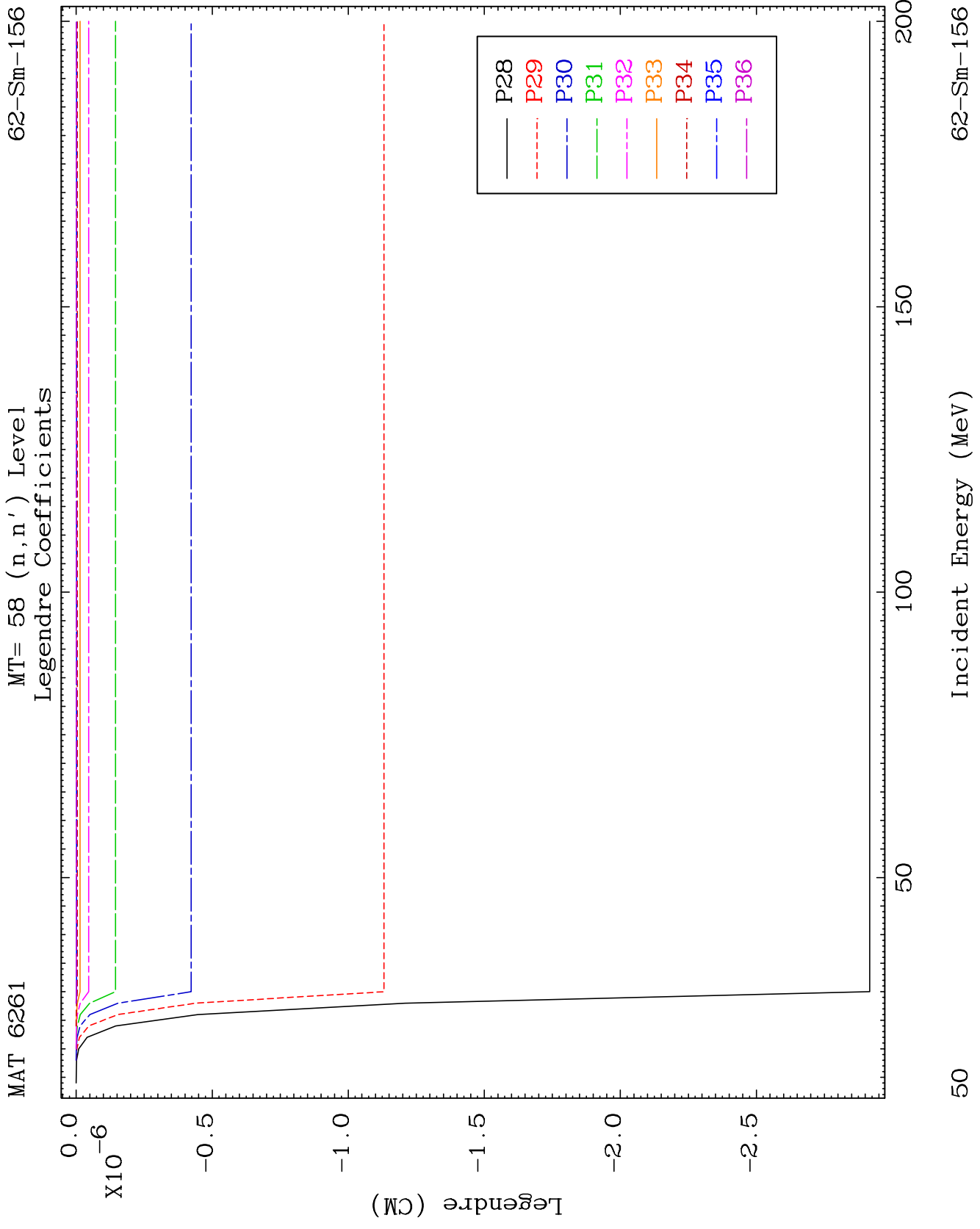
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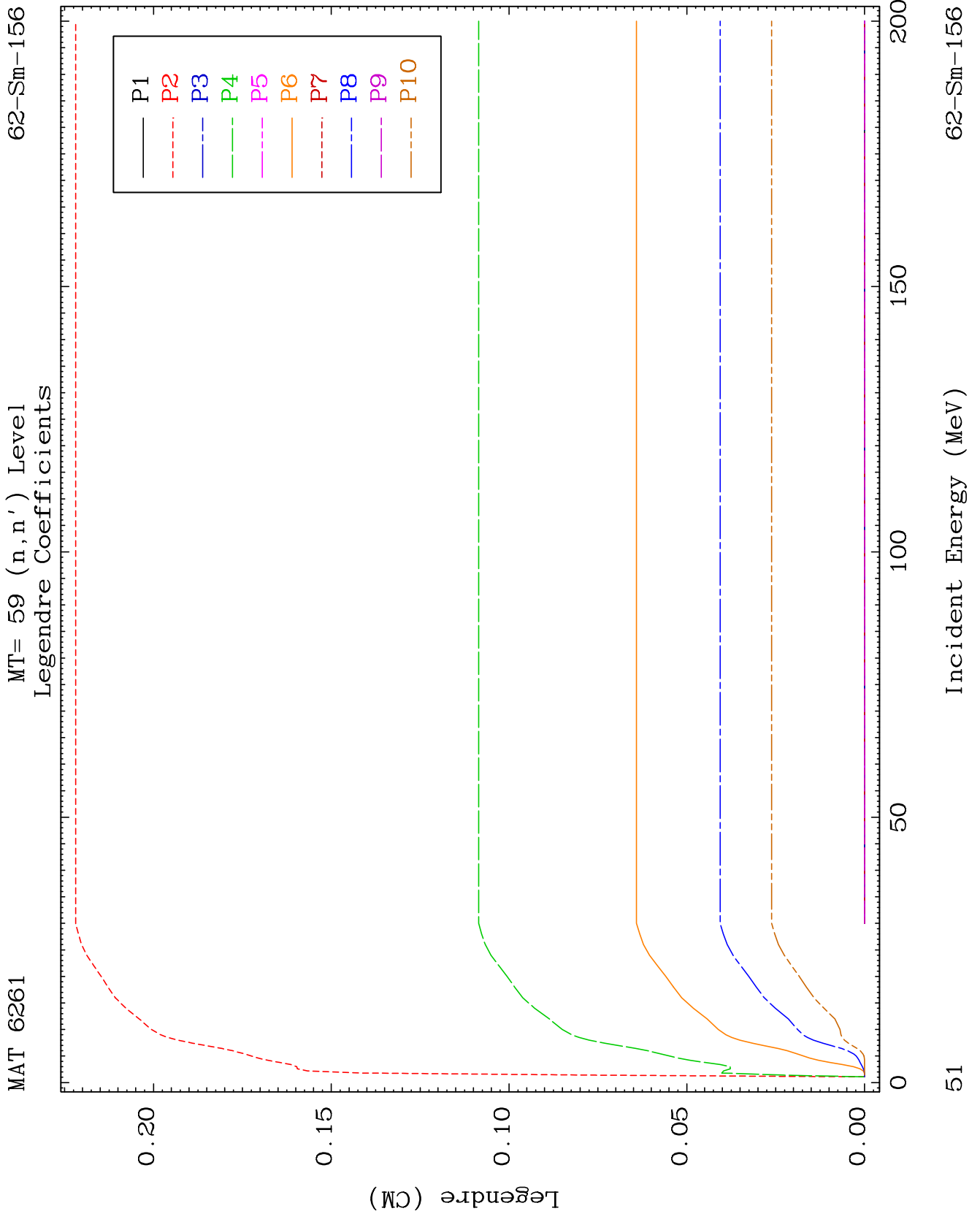
MAT 6261

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

62-Sm-156



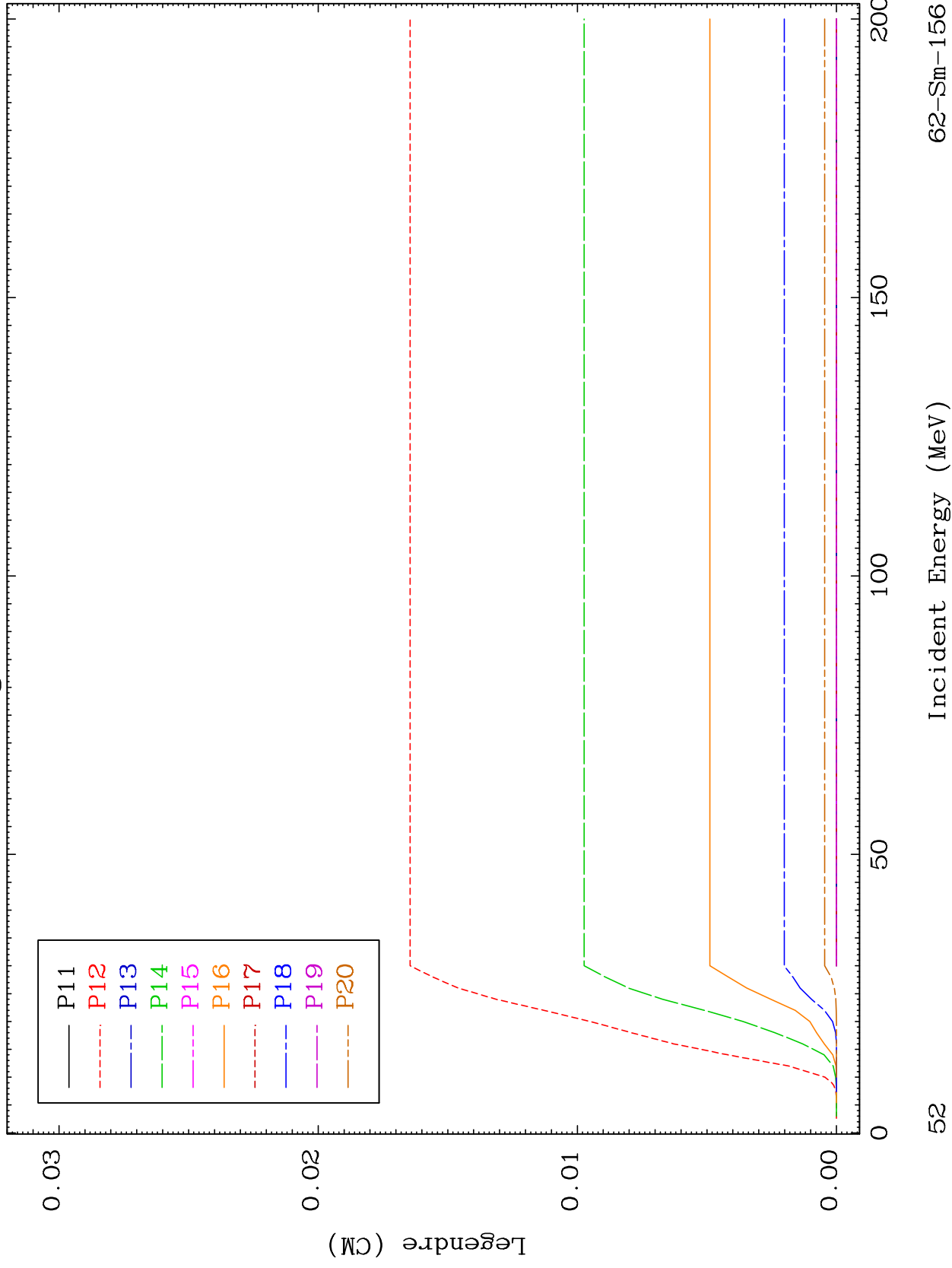




MAT 6261

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

62-Sm-156



62-Sm-156

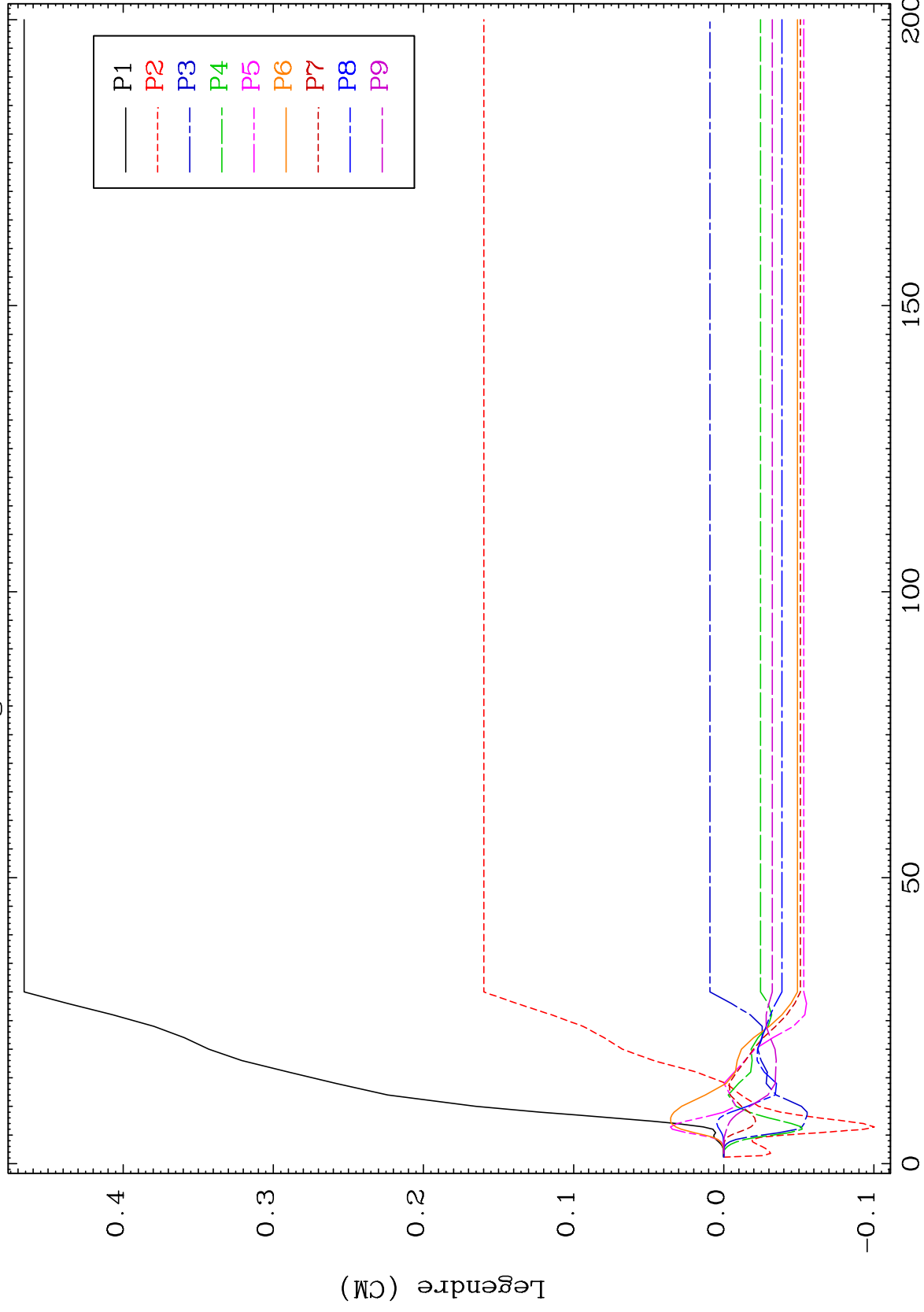
Incident Energy (MeV)

52

MAT 6261

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

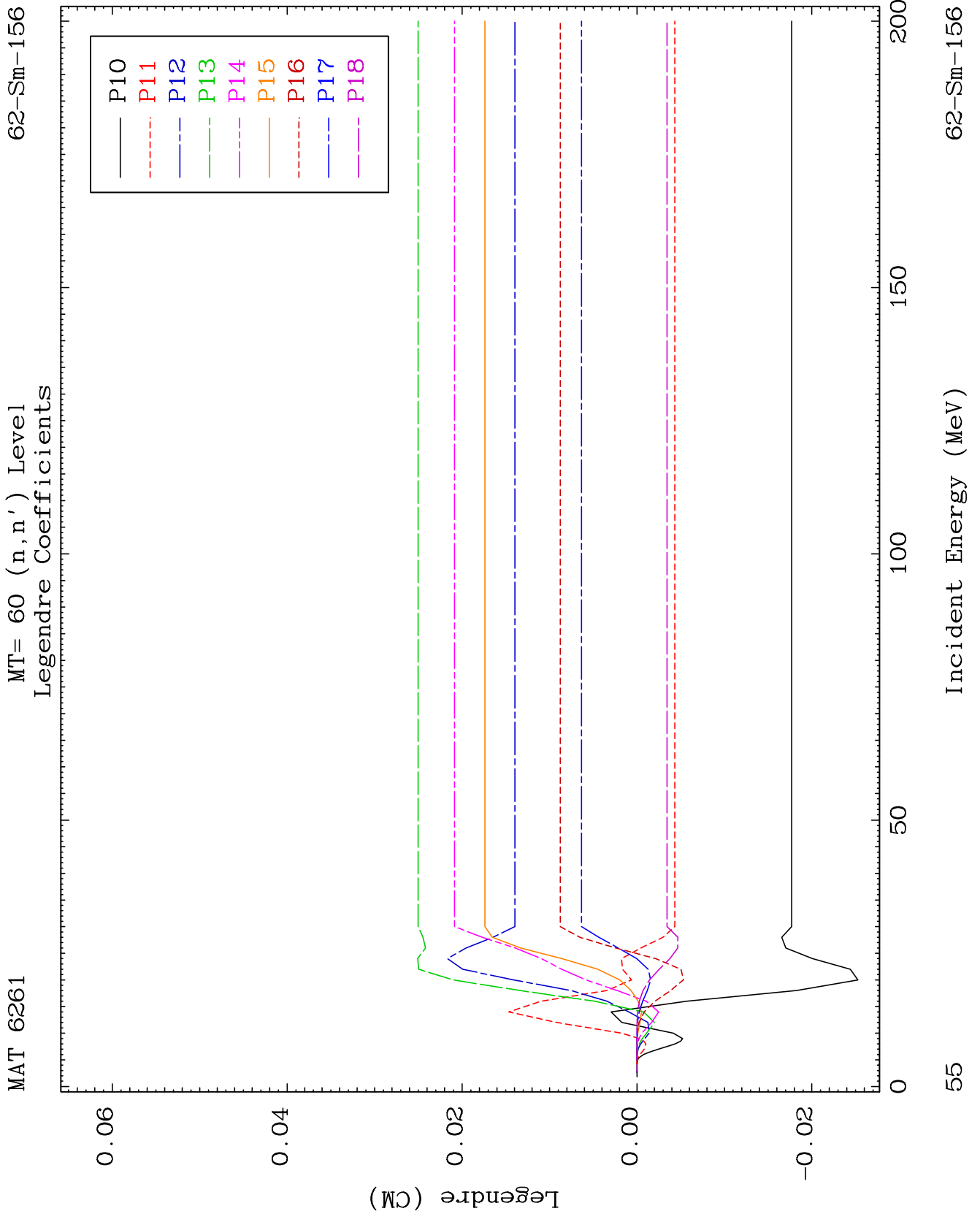
62-Sm-156



54

Incident Energy (MeV)

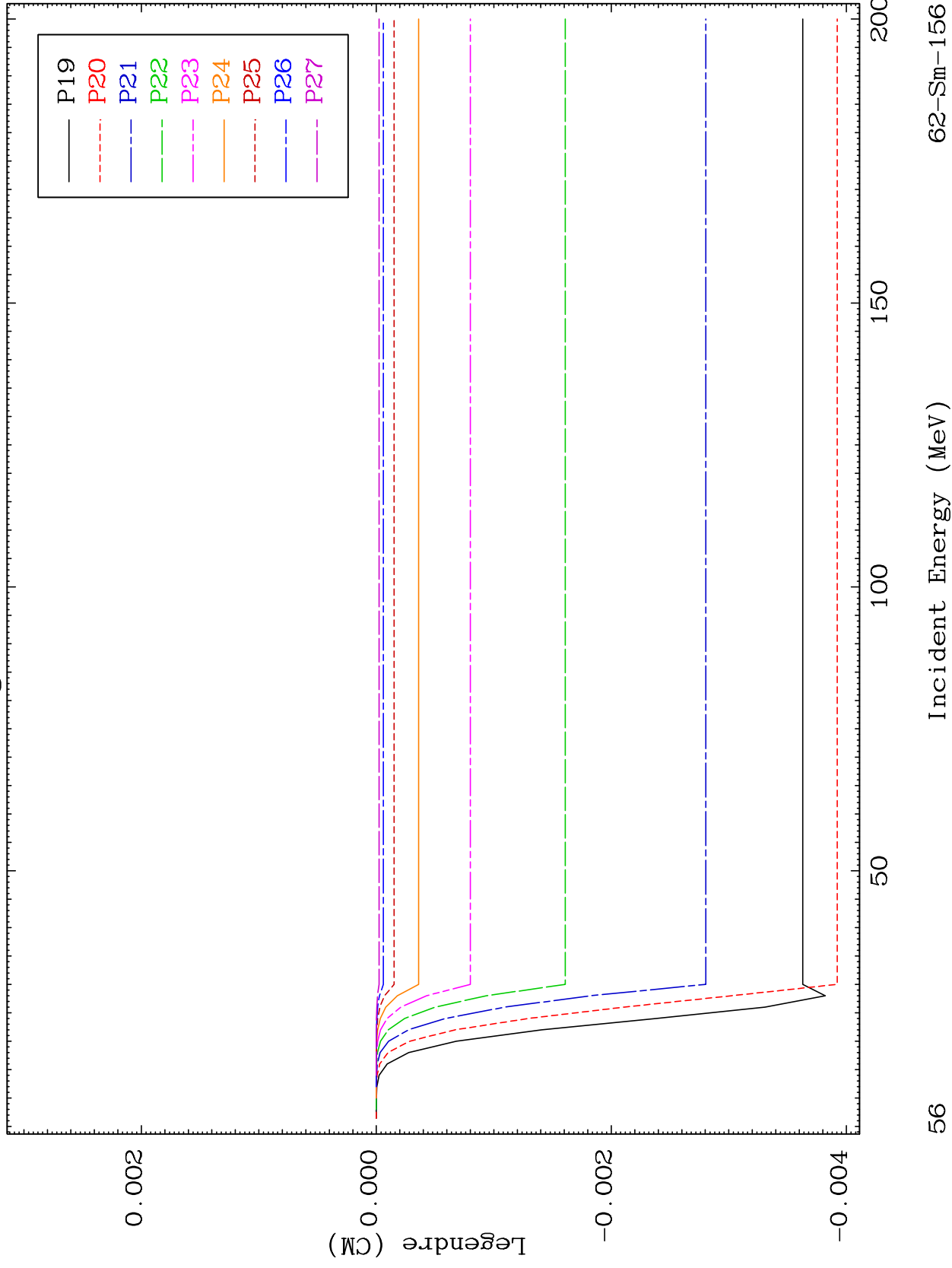
62-Sm-156



MAT 6261

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

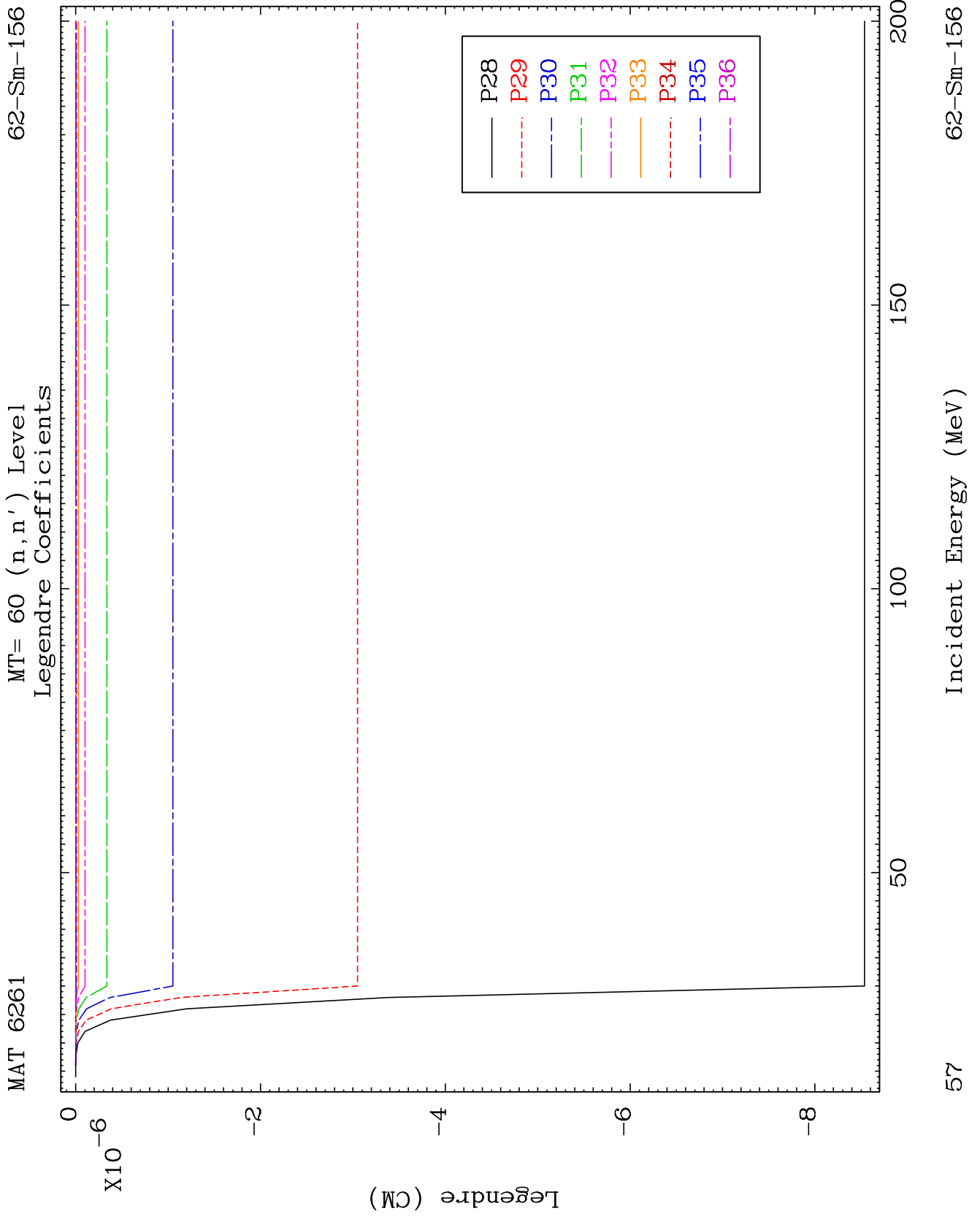
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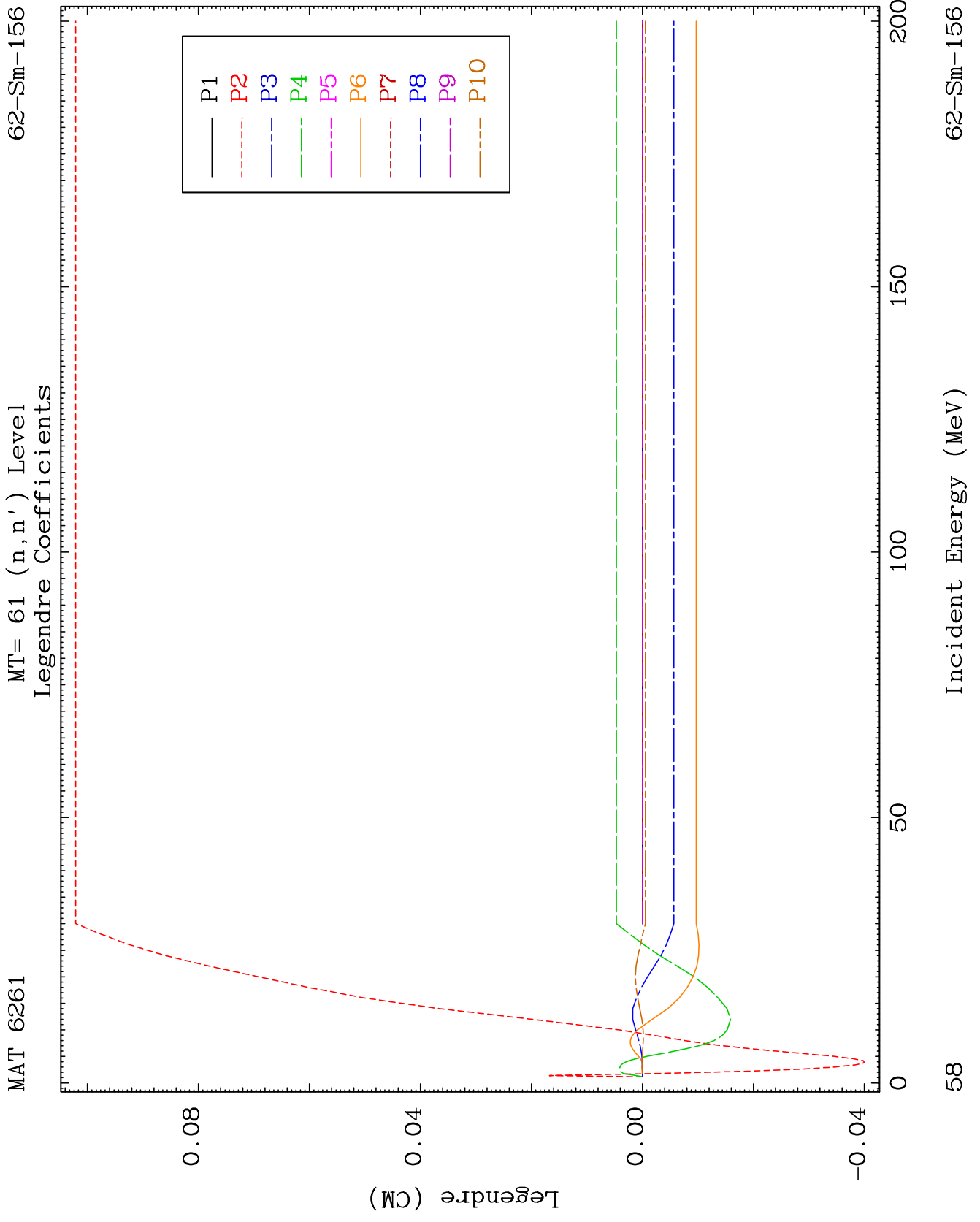


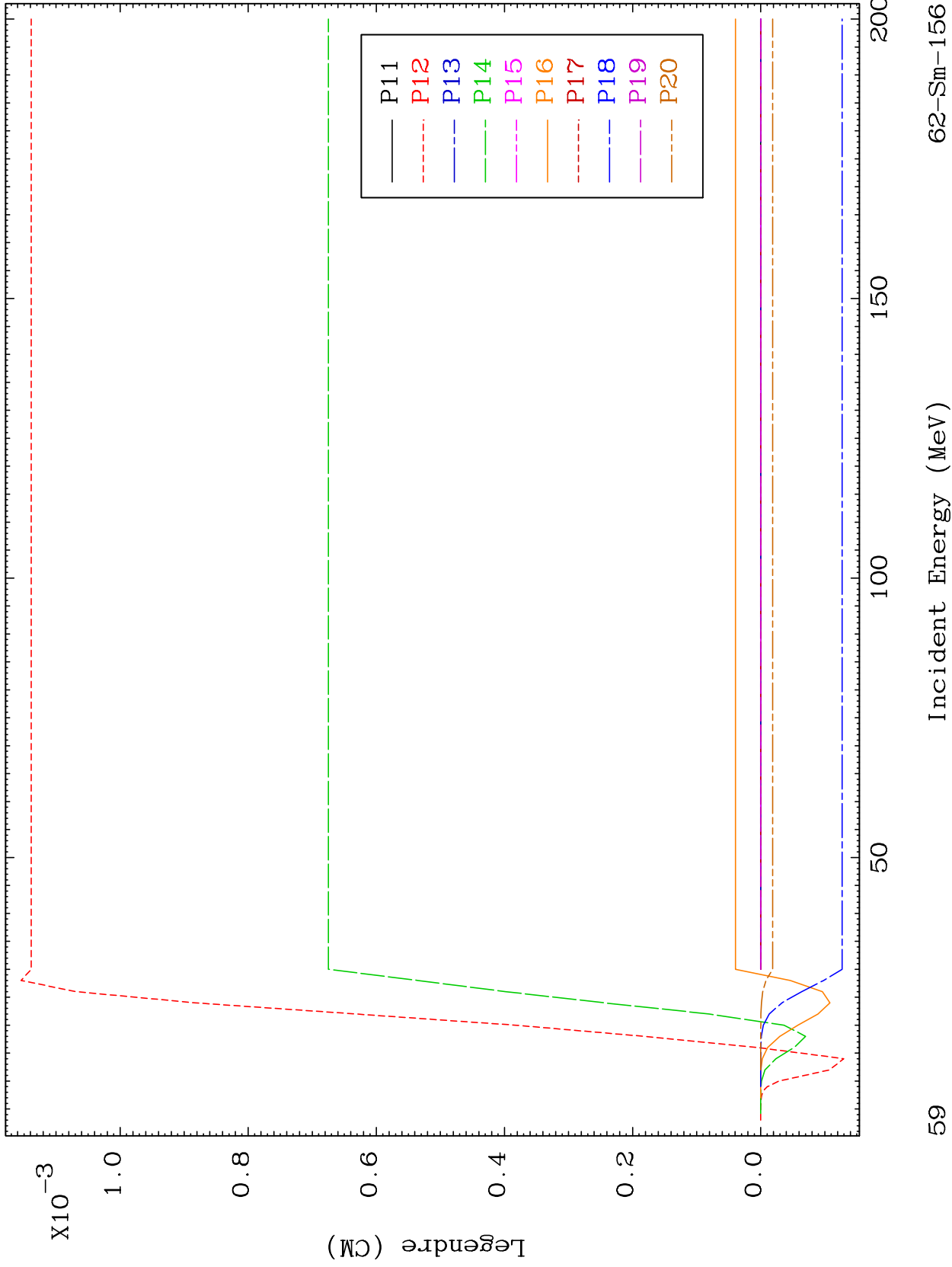
56

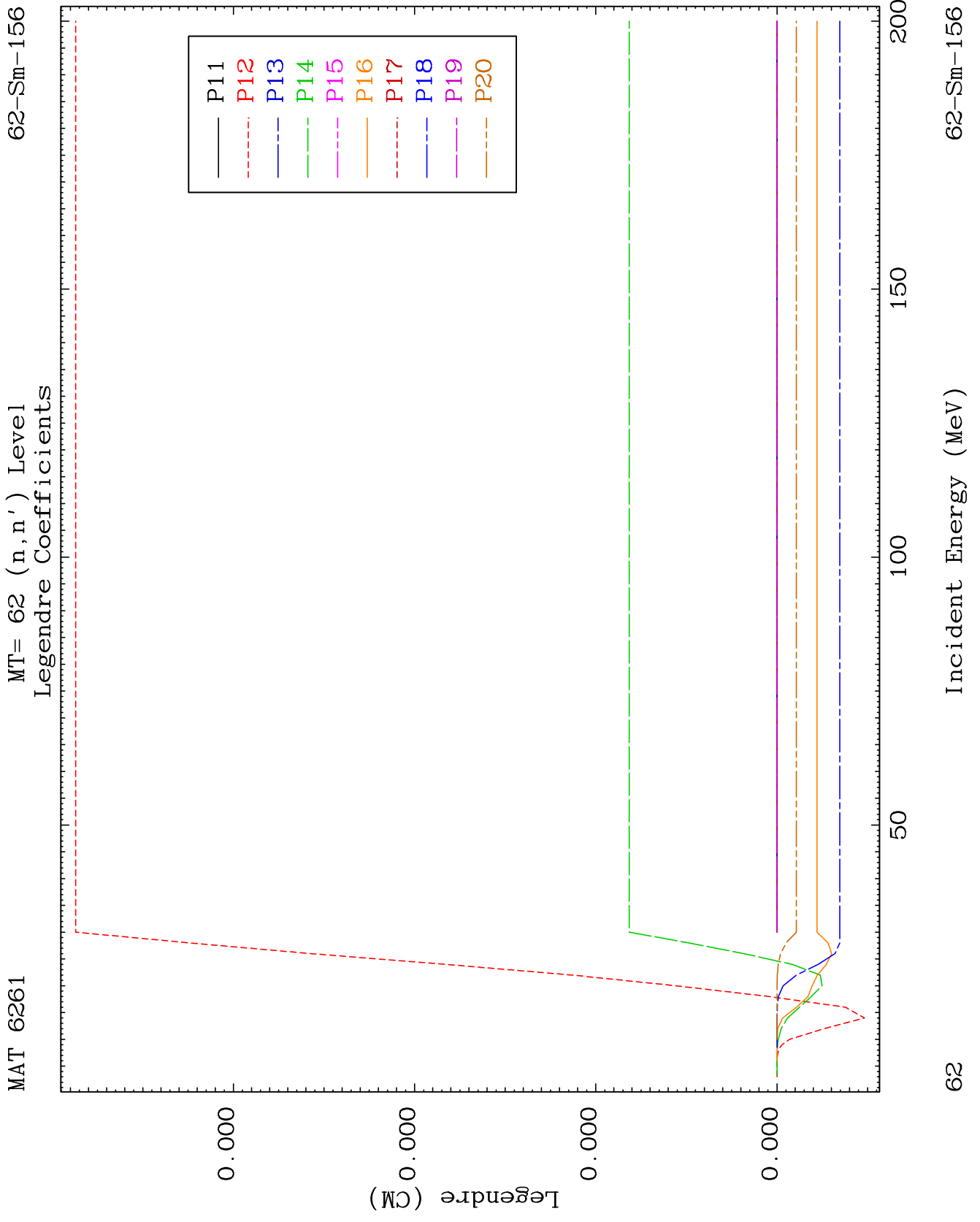
Incident Energy (MeV)

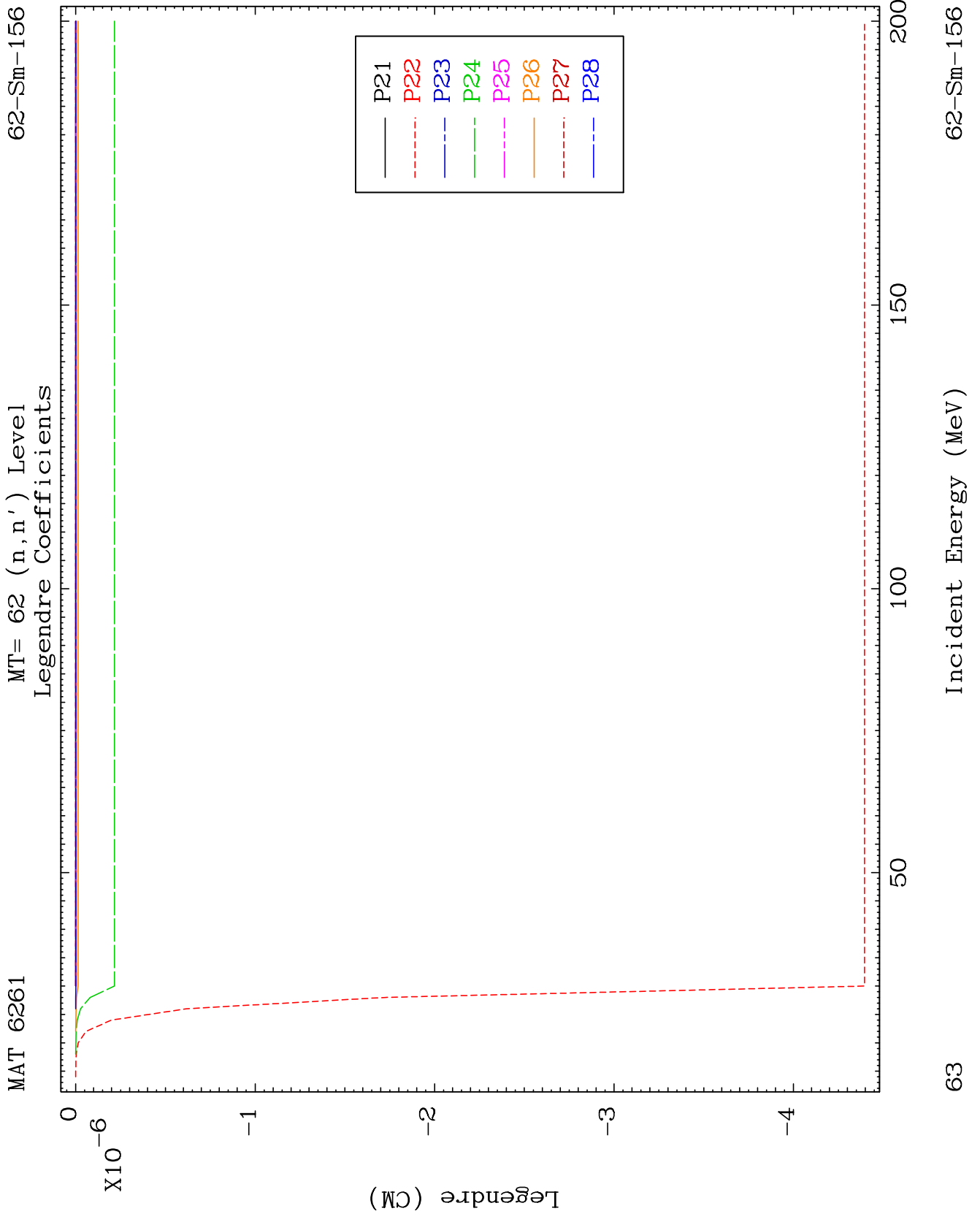
62-Sm-156







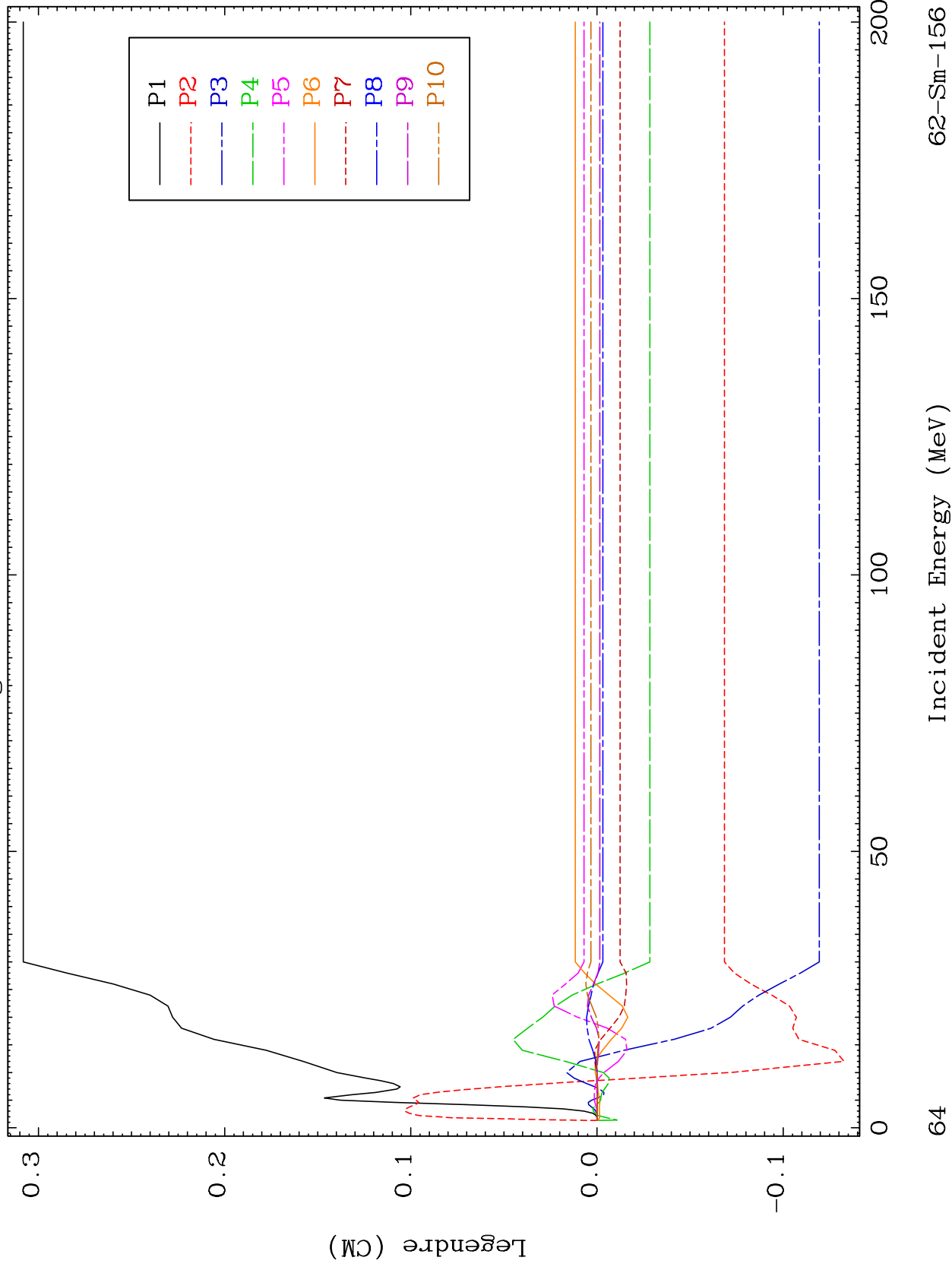




MAT 6261

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

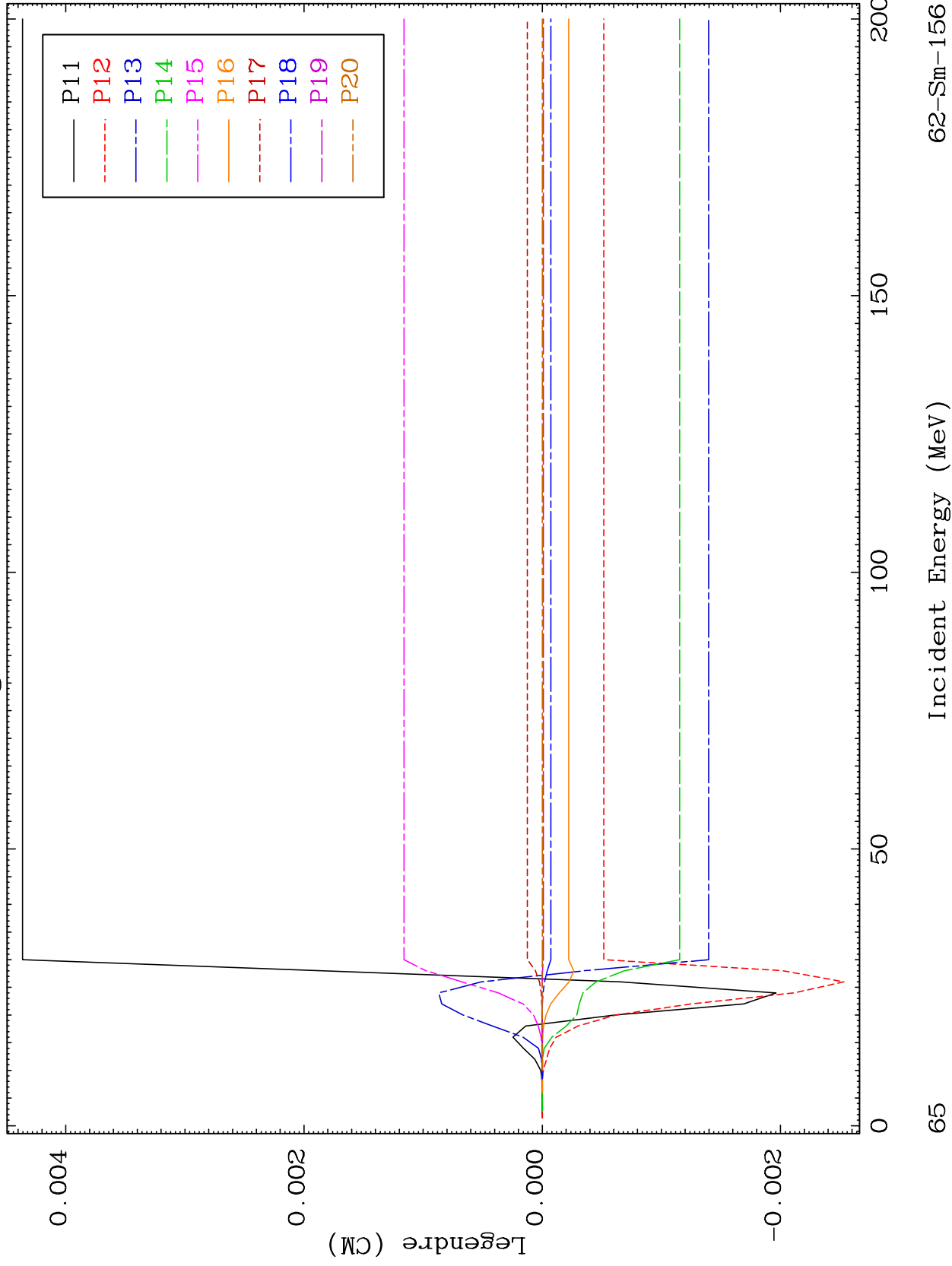
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

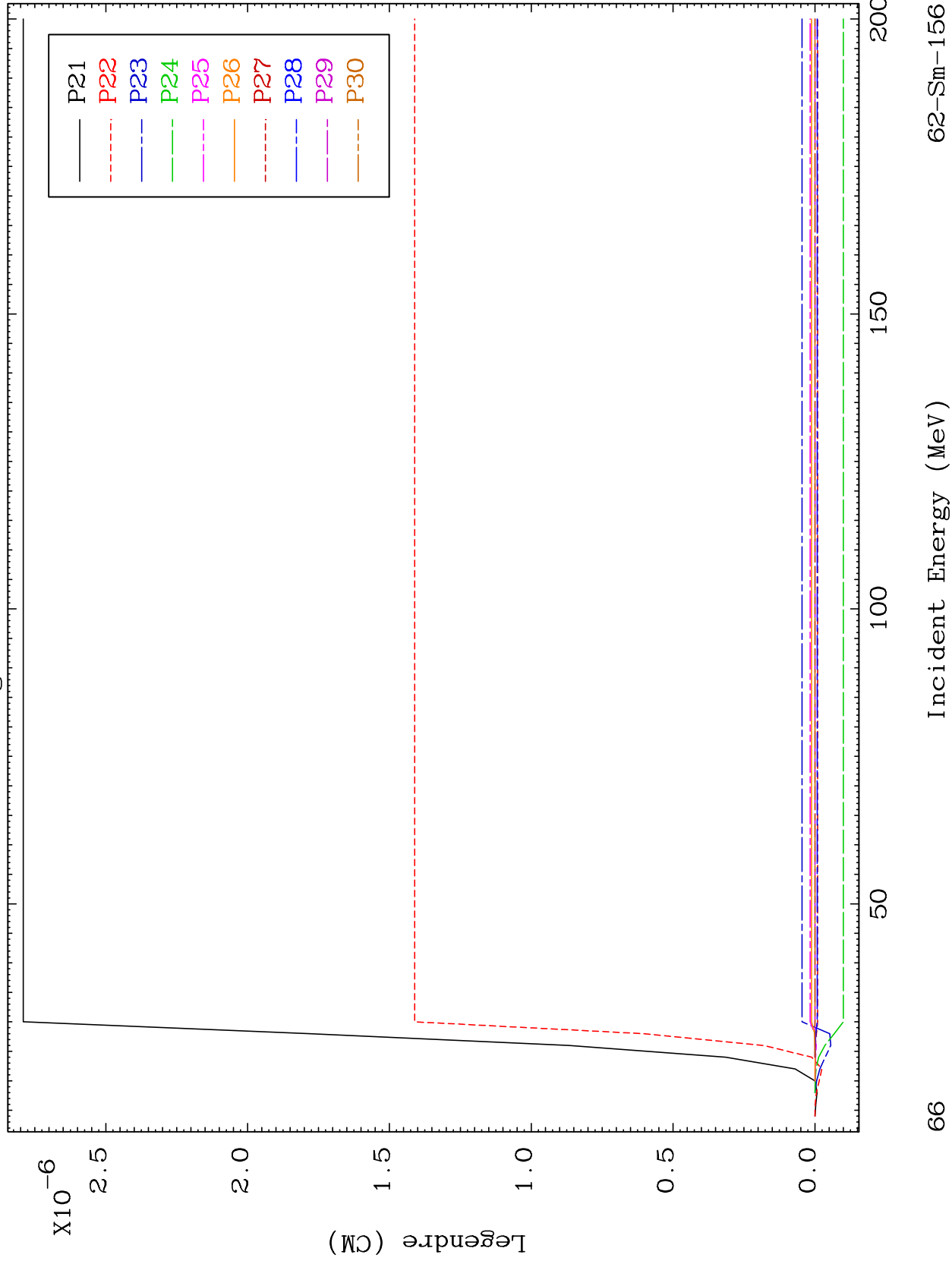
Incident Energy (MeV)

65

MAT 6261

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

62-Sm-156

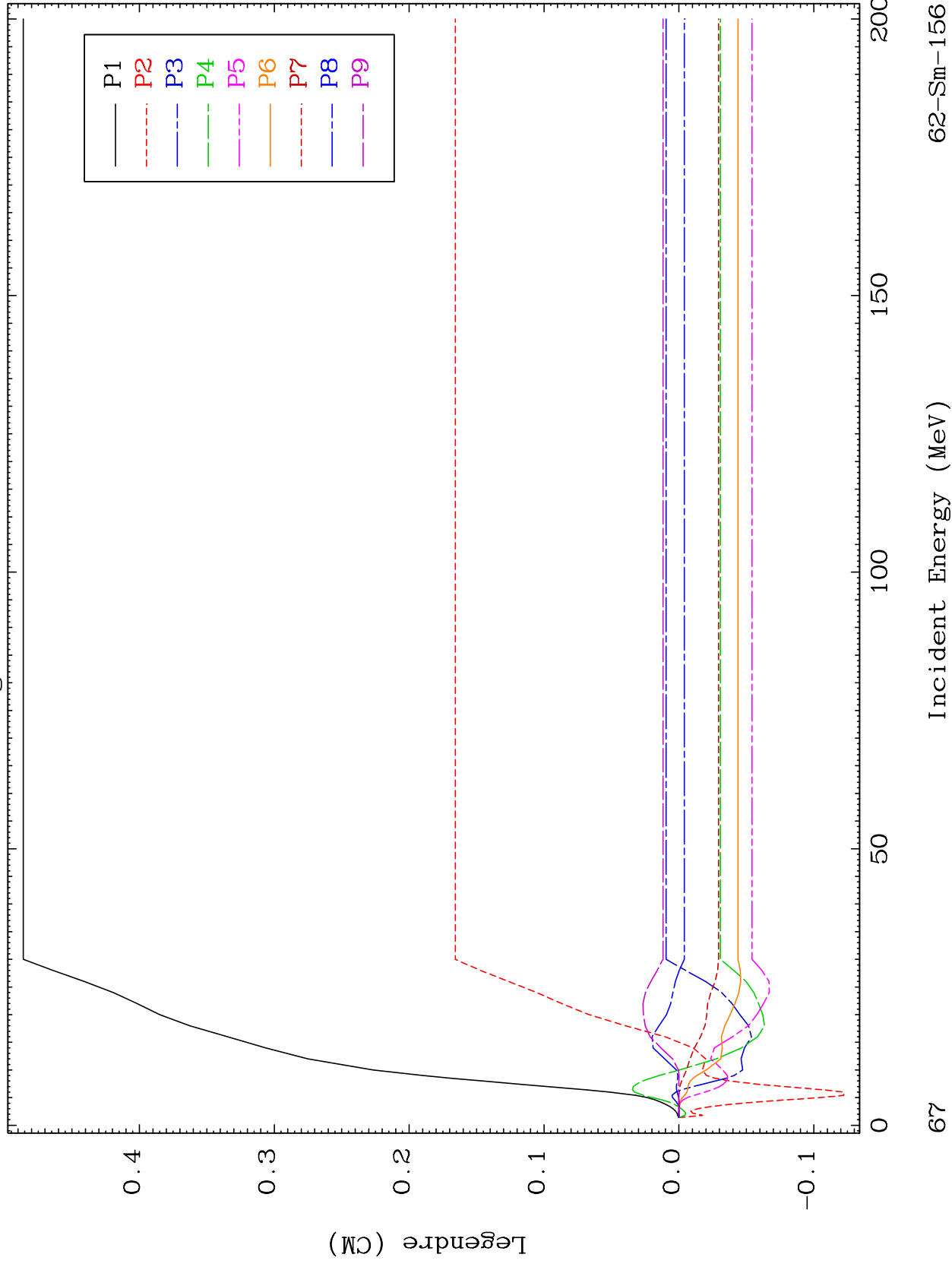


66

MAT 6261

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

62-Sm-156



62-Sm-156

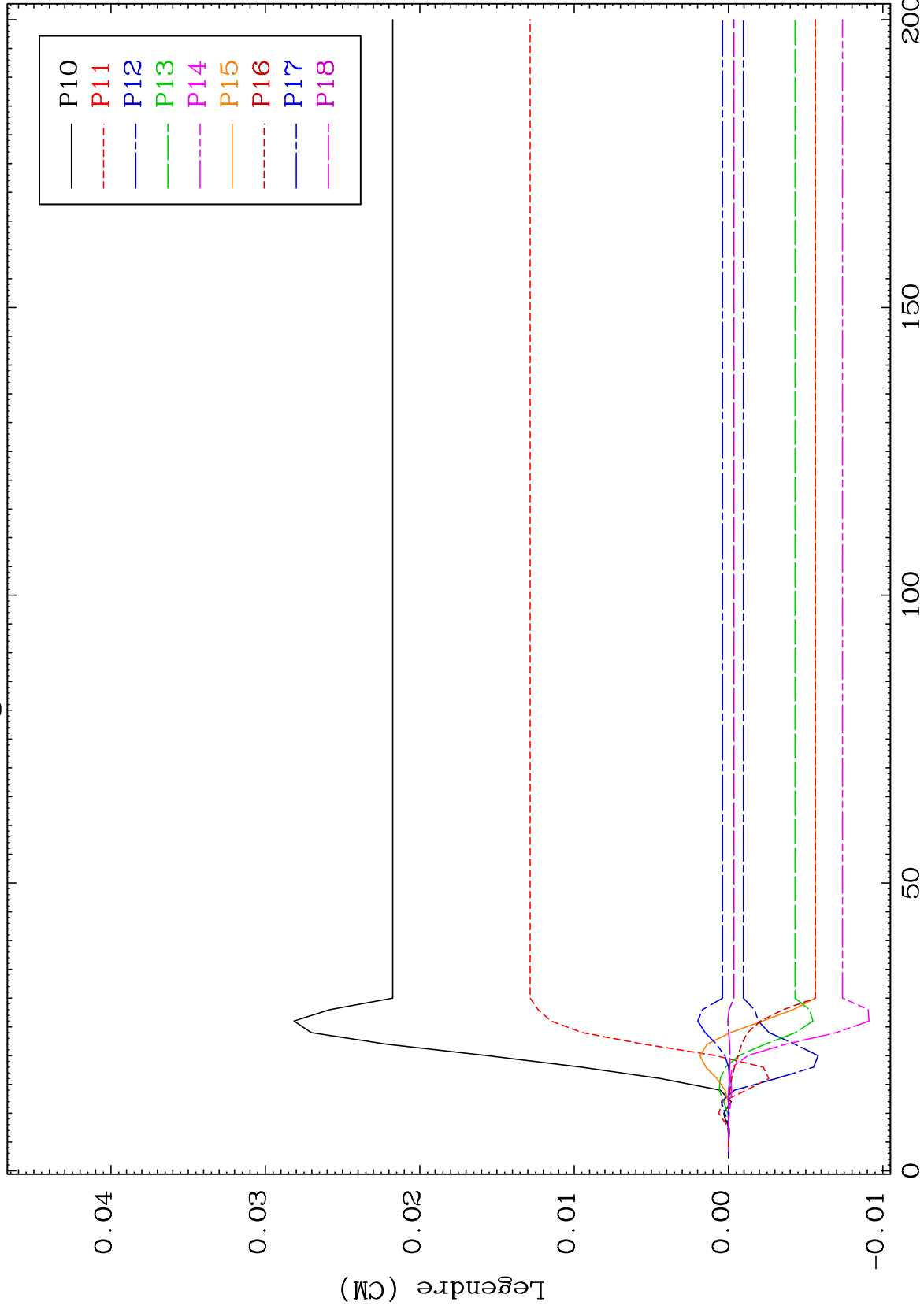
Incident Energy (MeV)

67

MAT 6261

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

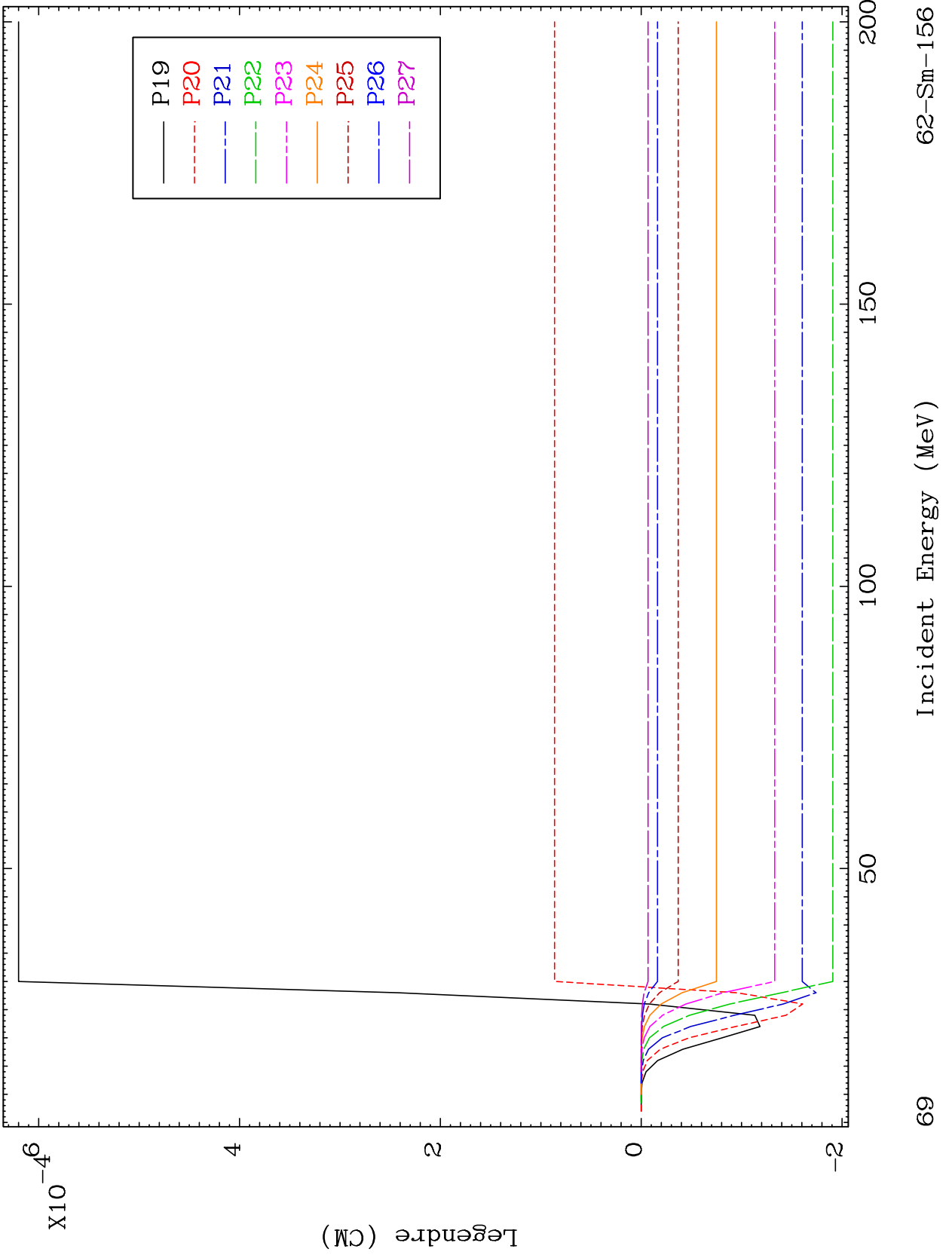
62-Sm-156

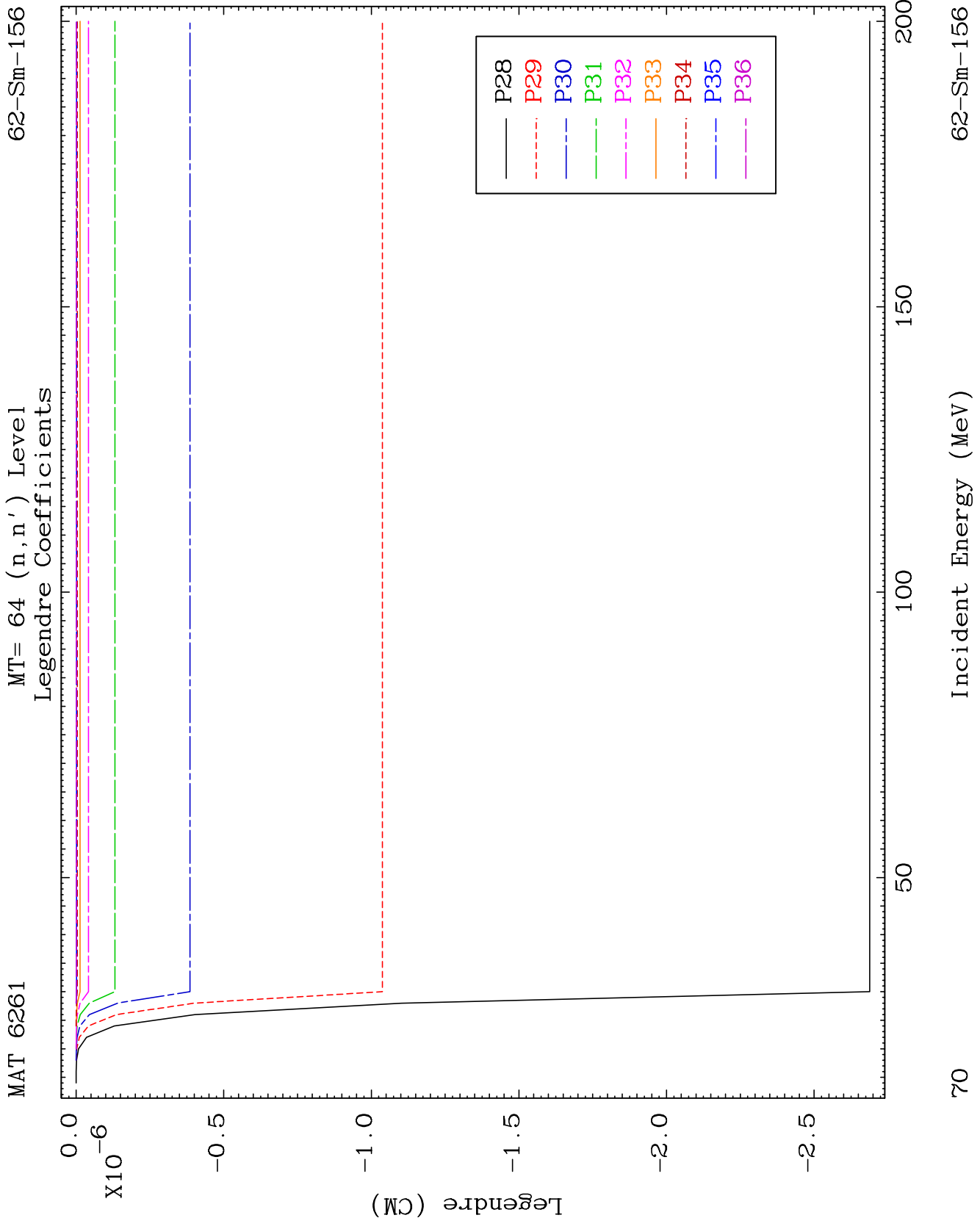


68

Incident Energy (MeV)

62-Sm-156



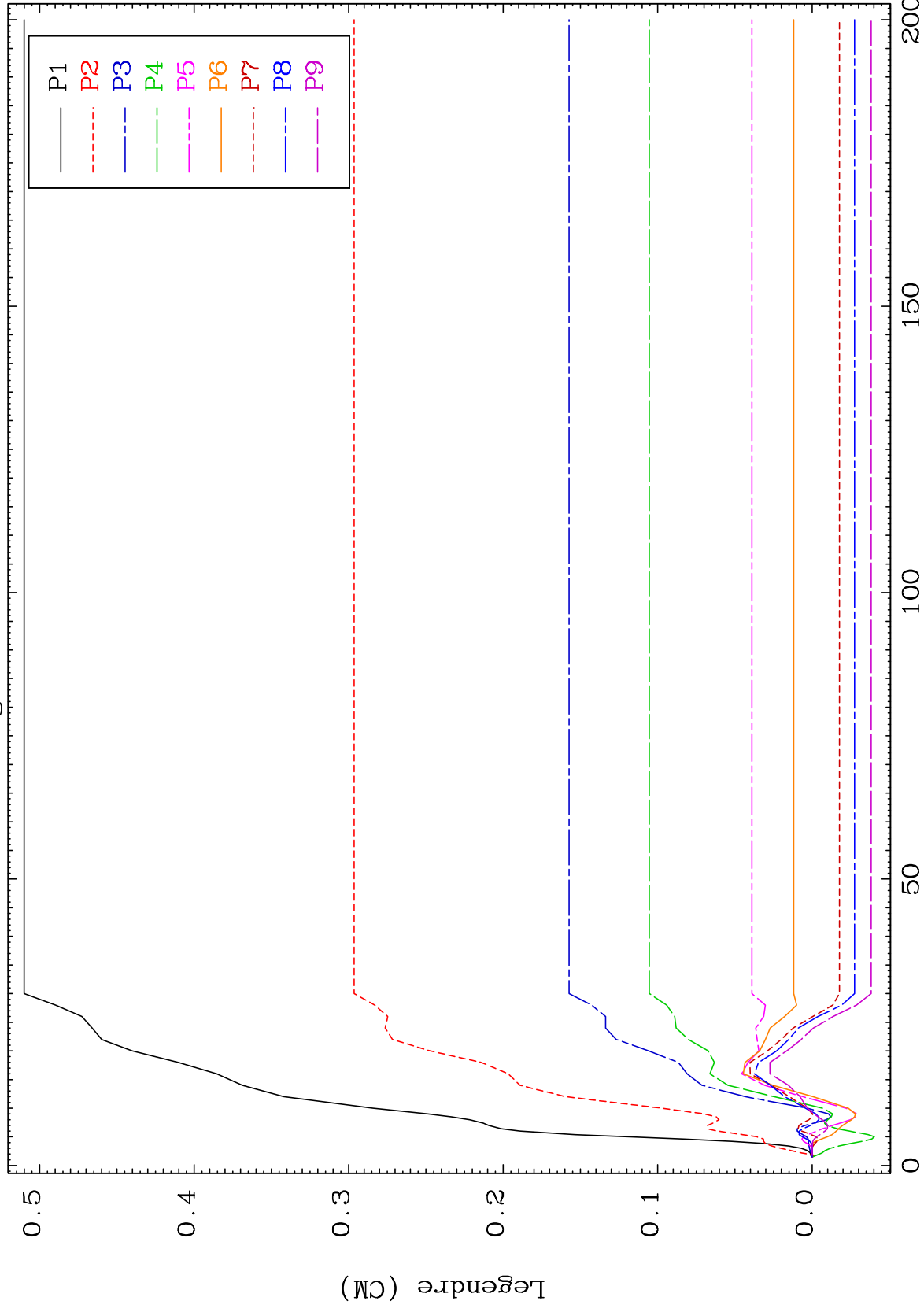


MAT 6261

MT= 65 (n,n') Level

62-Sm-156

Legendre Coefficients



71

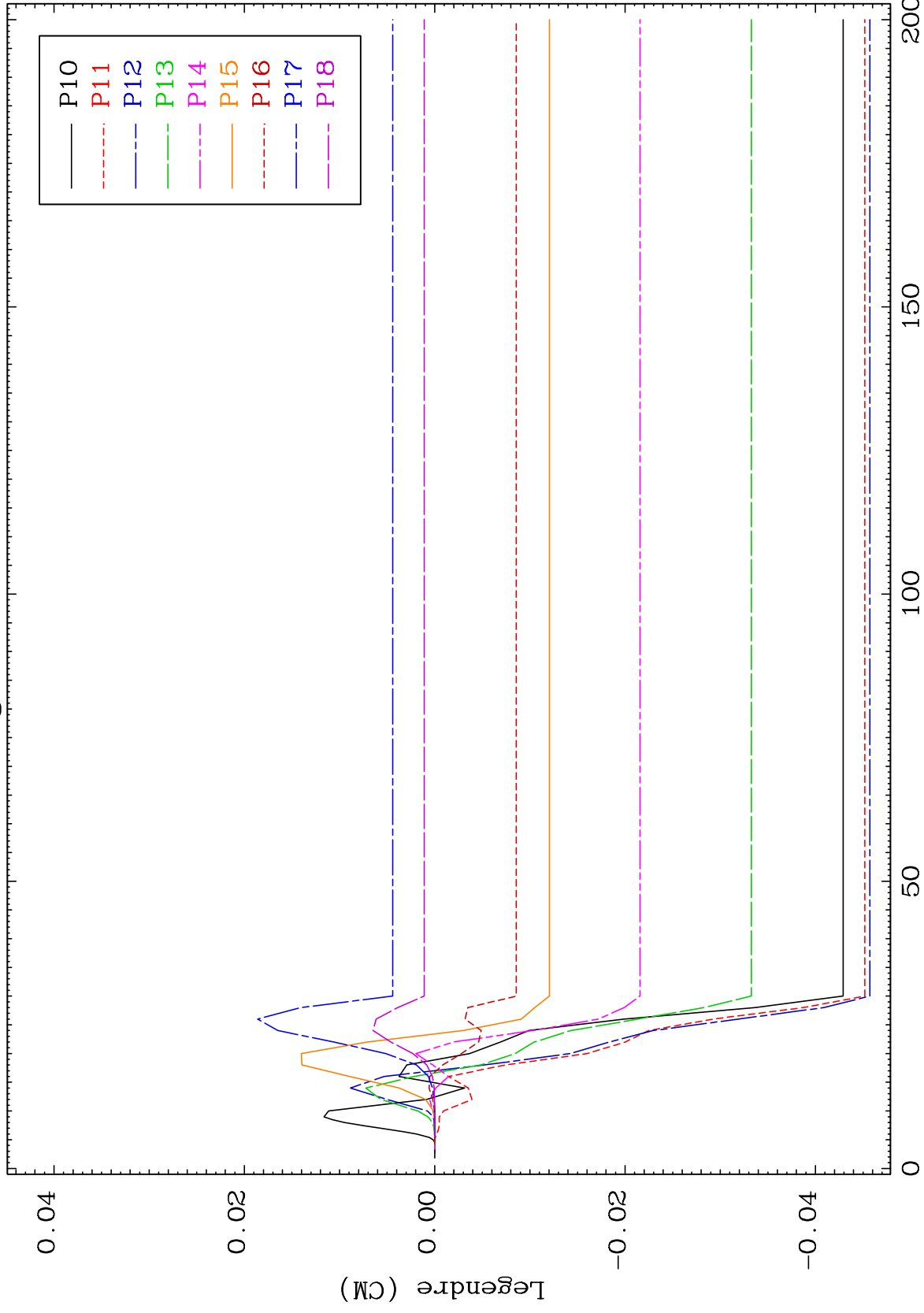
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



72

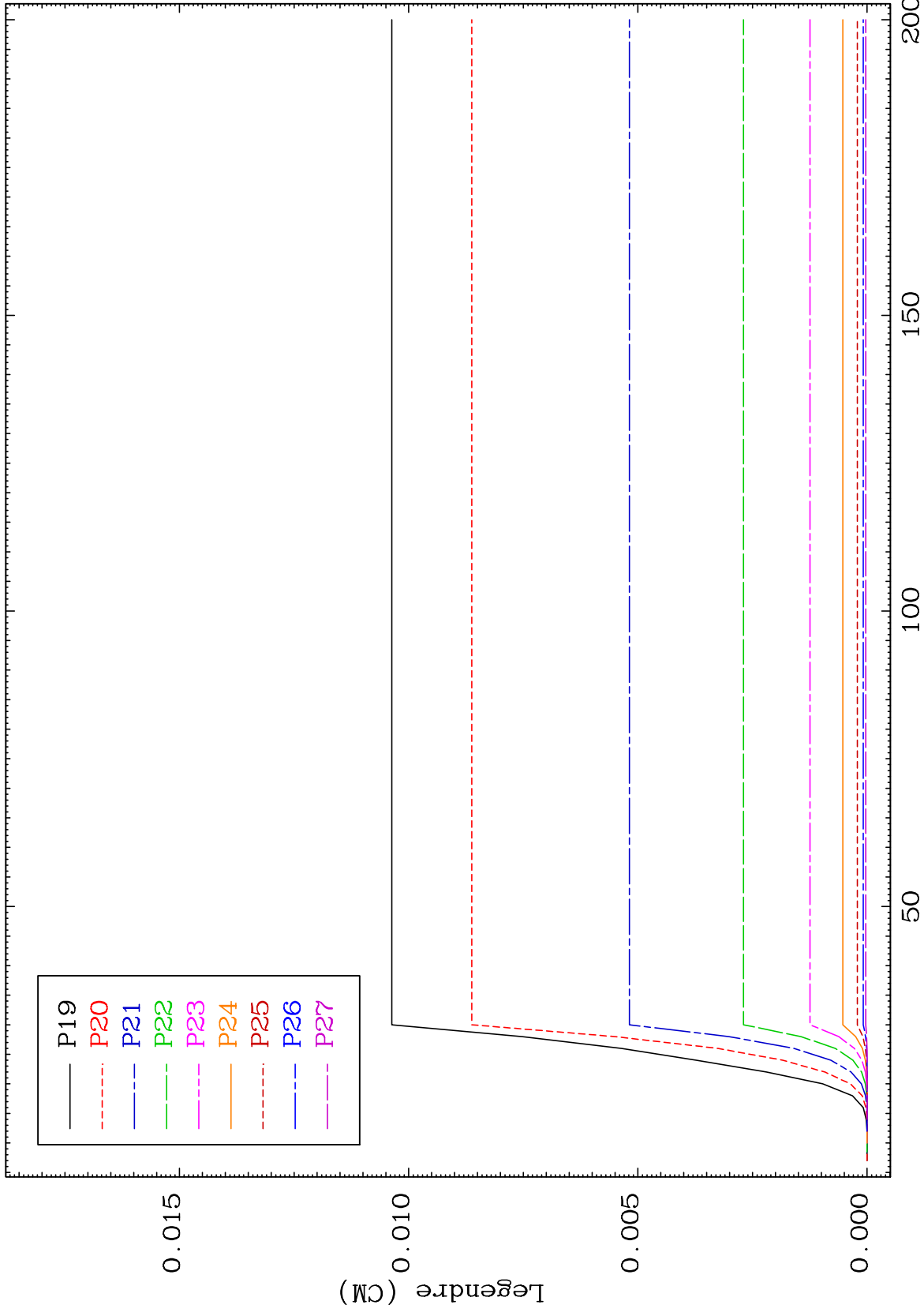
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



73

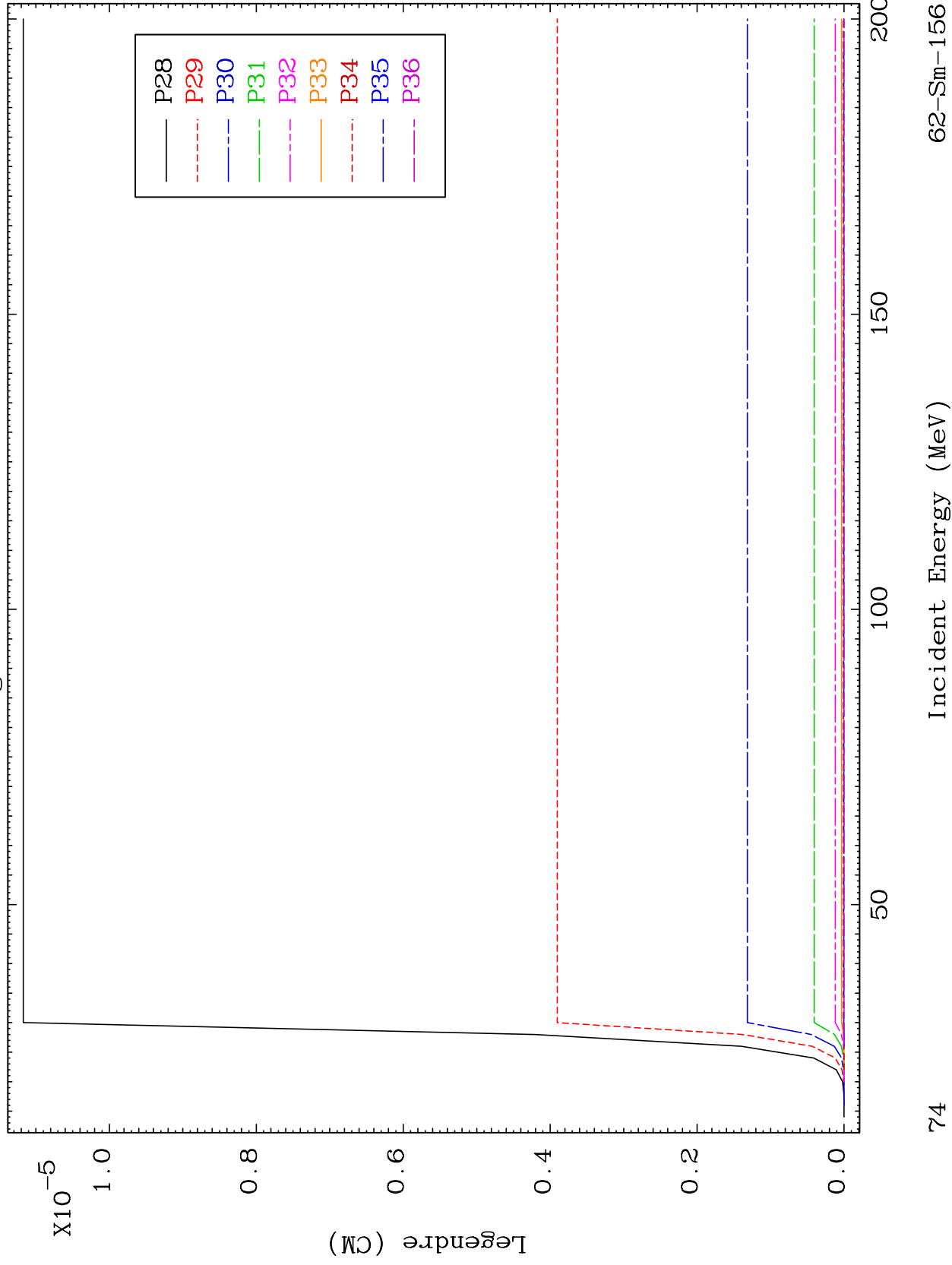
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



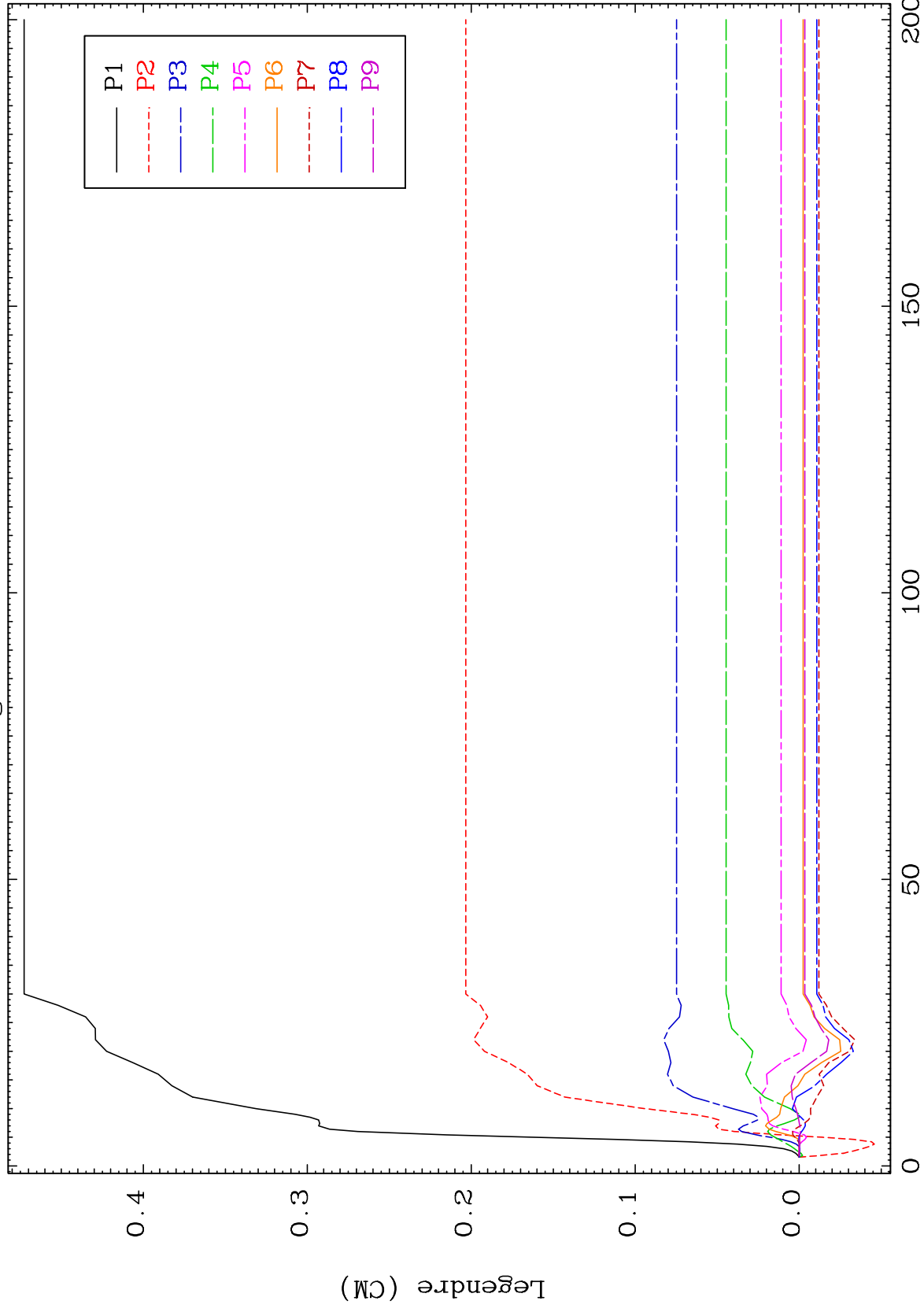
74

62-Sm-156

MAT 6261

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

62-Sm-156



62-Sm-156

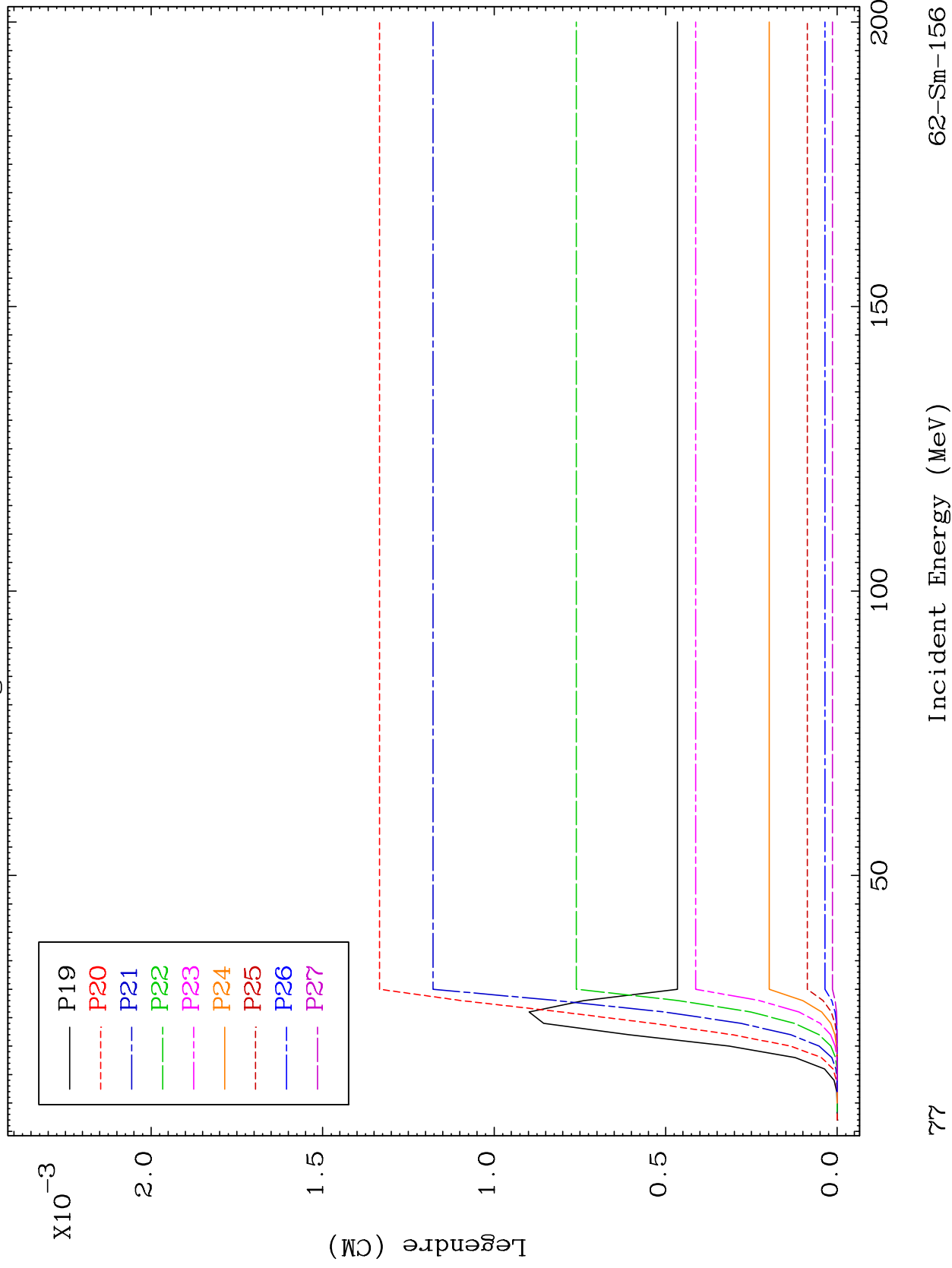
Incident Energy (MeV)

75

MAT 6261

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

62-Sm-156

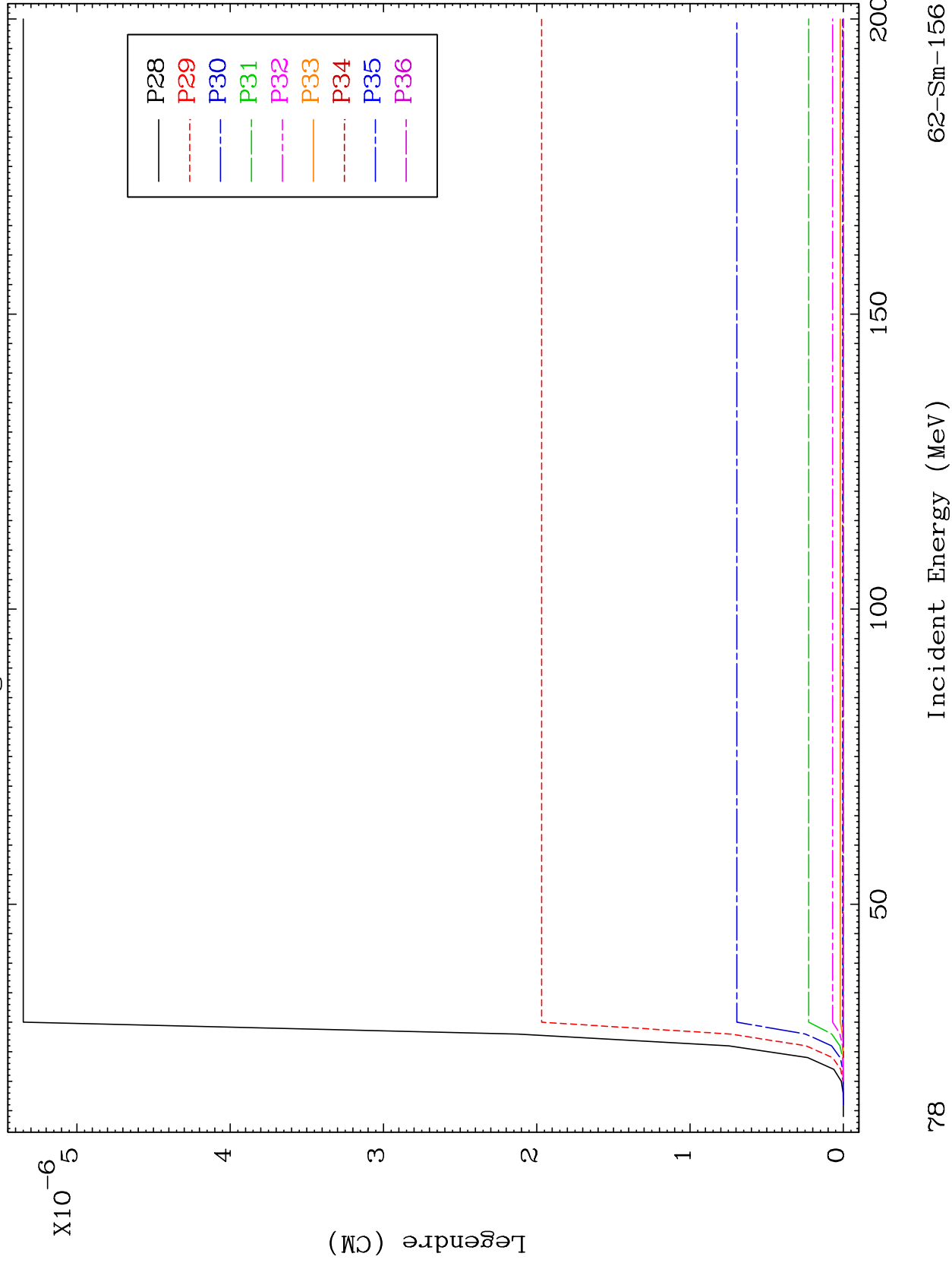


77

MAT 6261

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

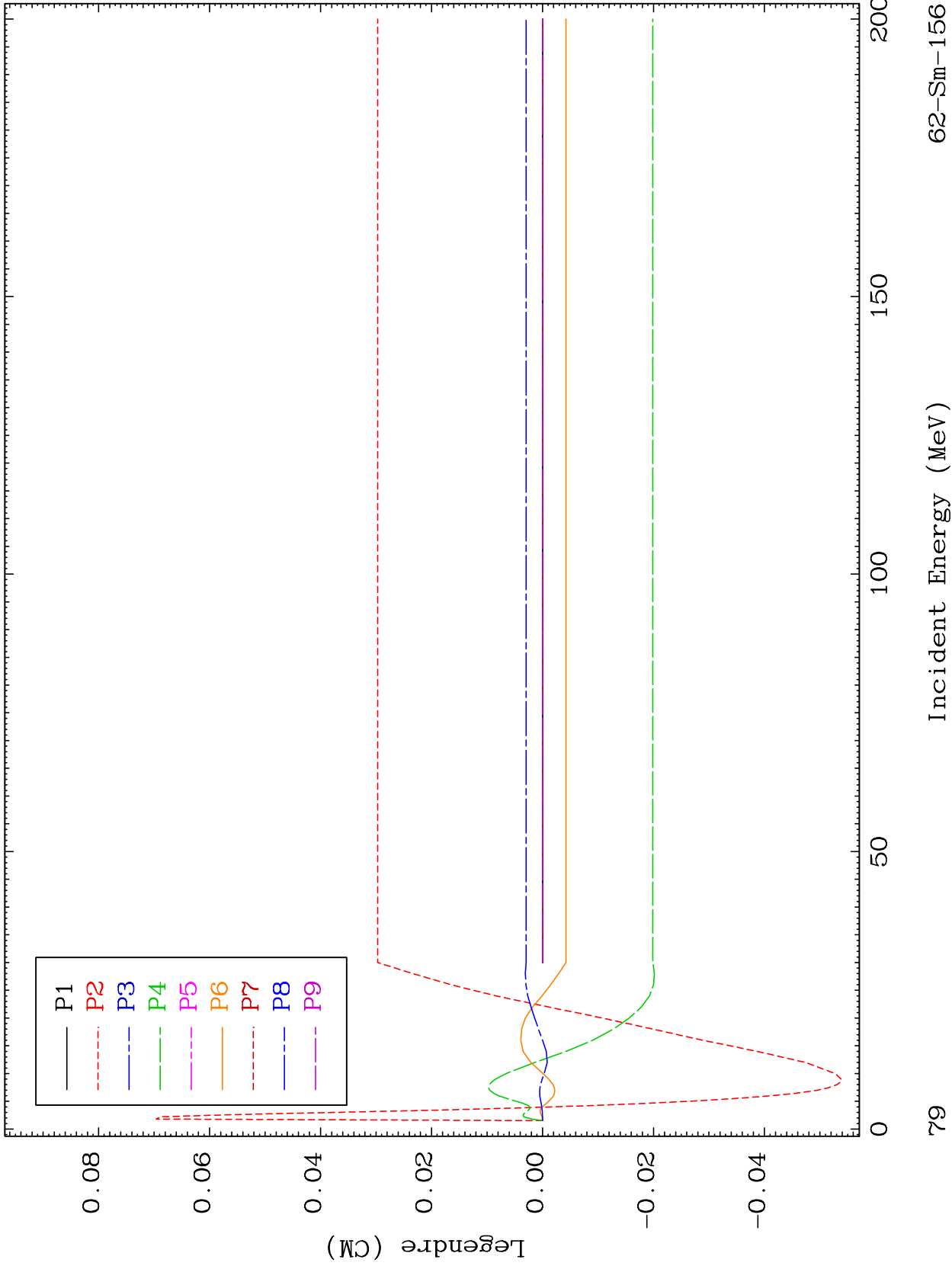
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

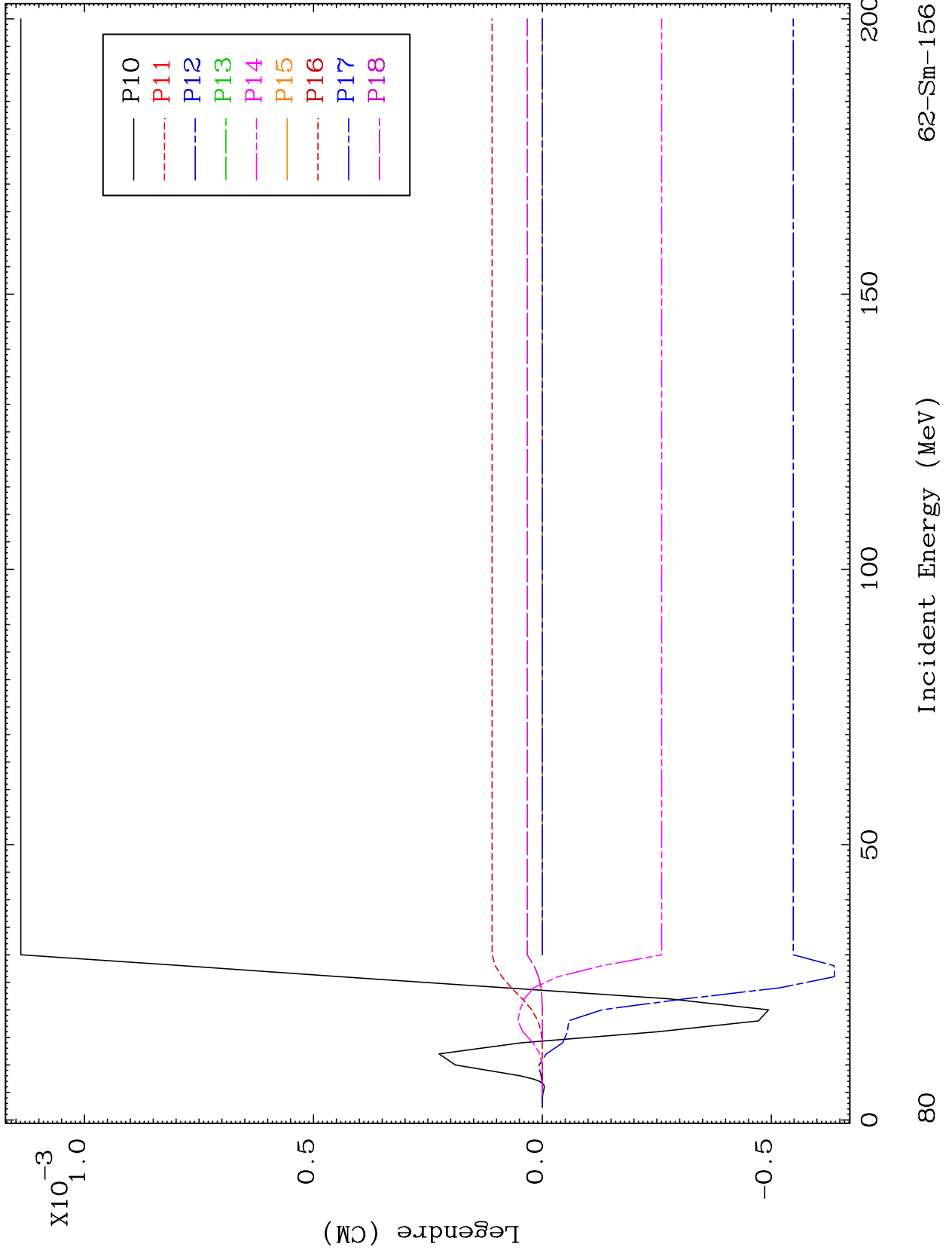
Incident Energy (MeV)

79

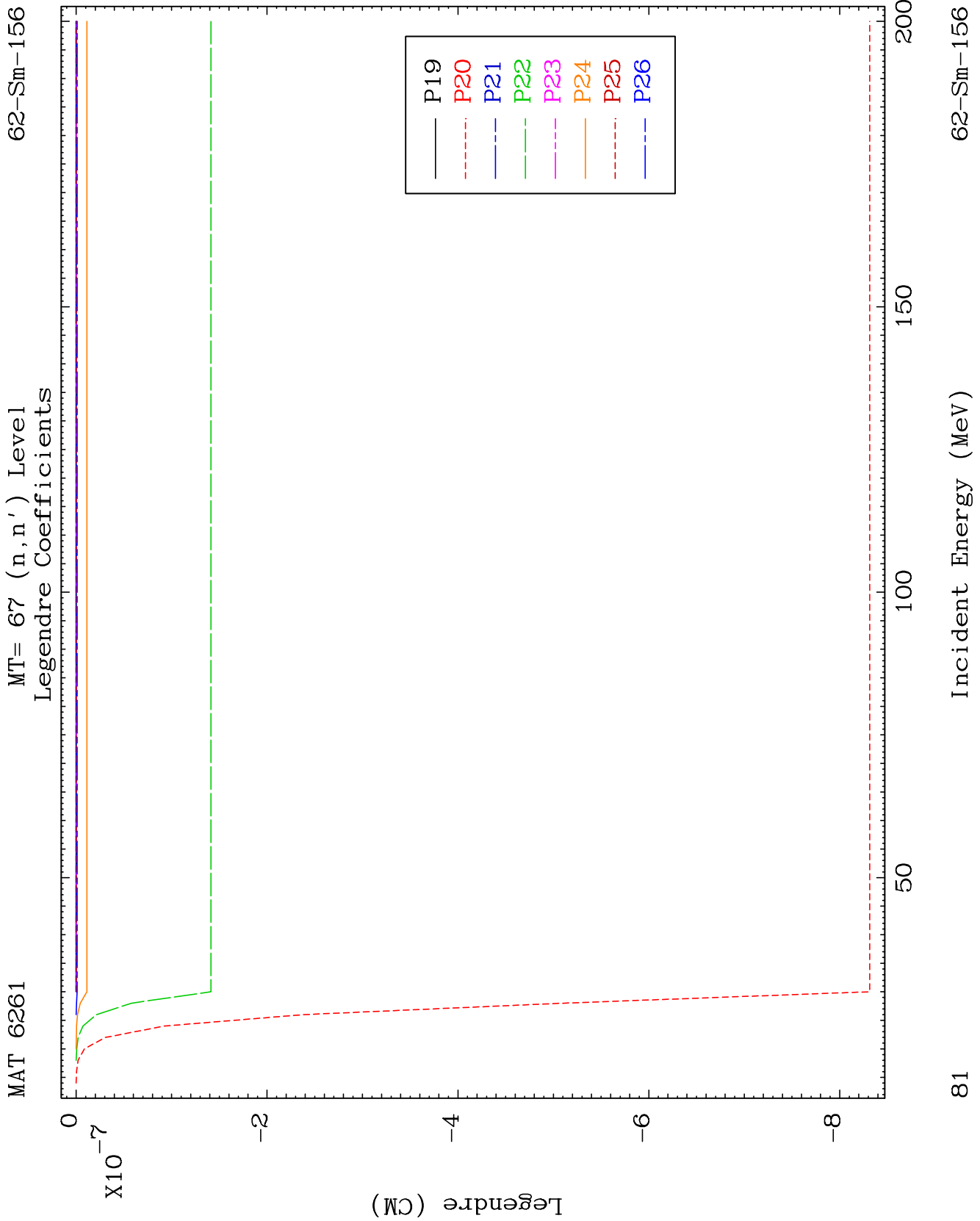
MAT 6261

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

62-Sm-156



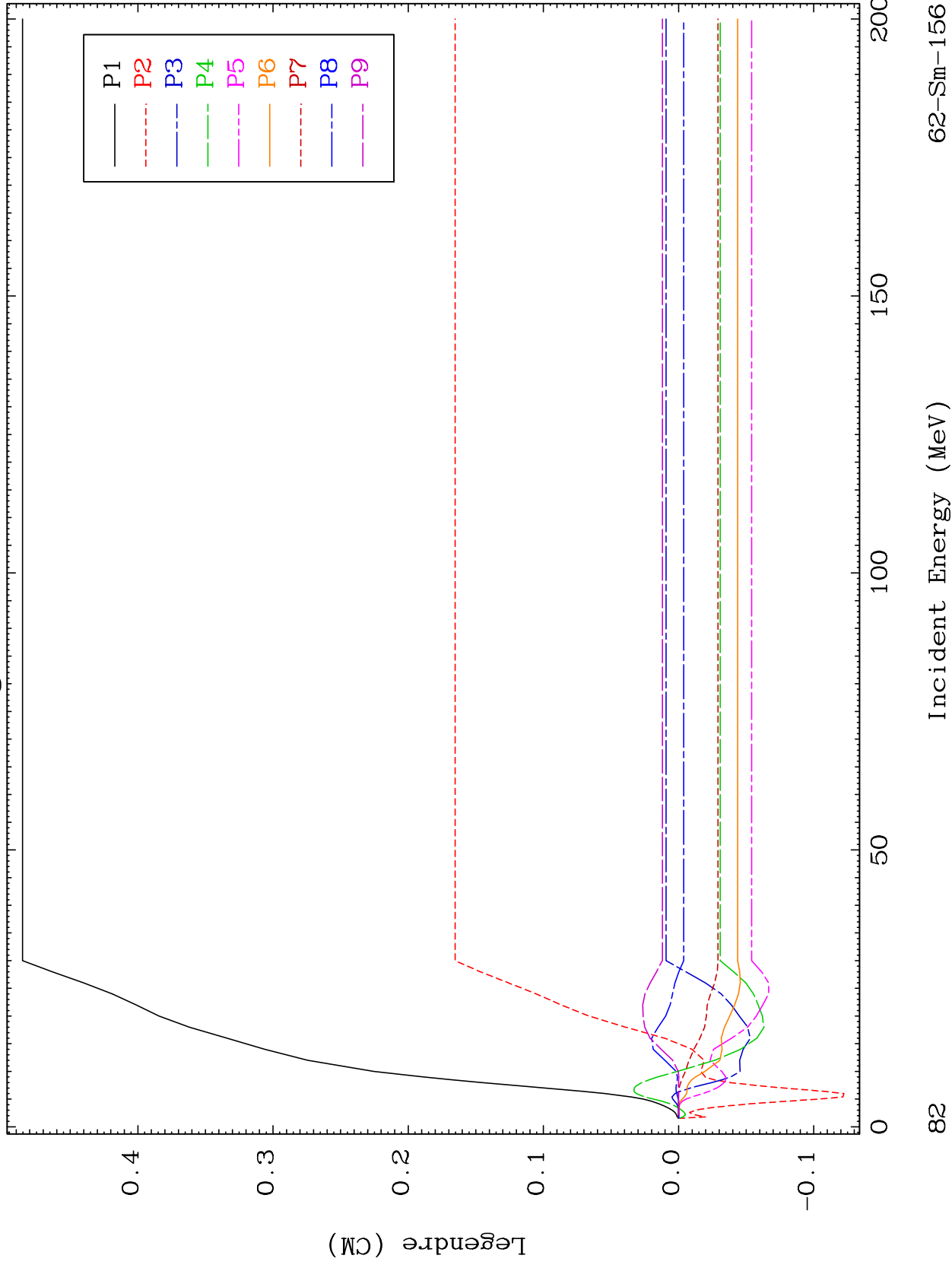
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

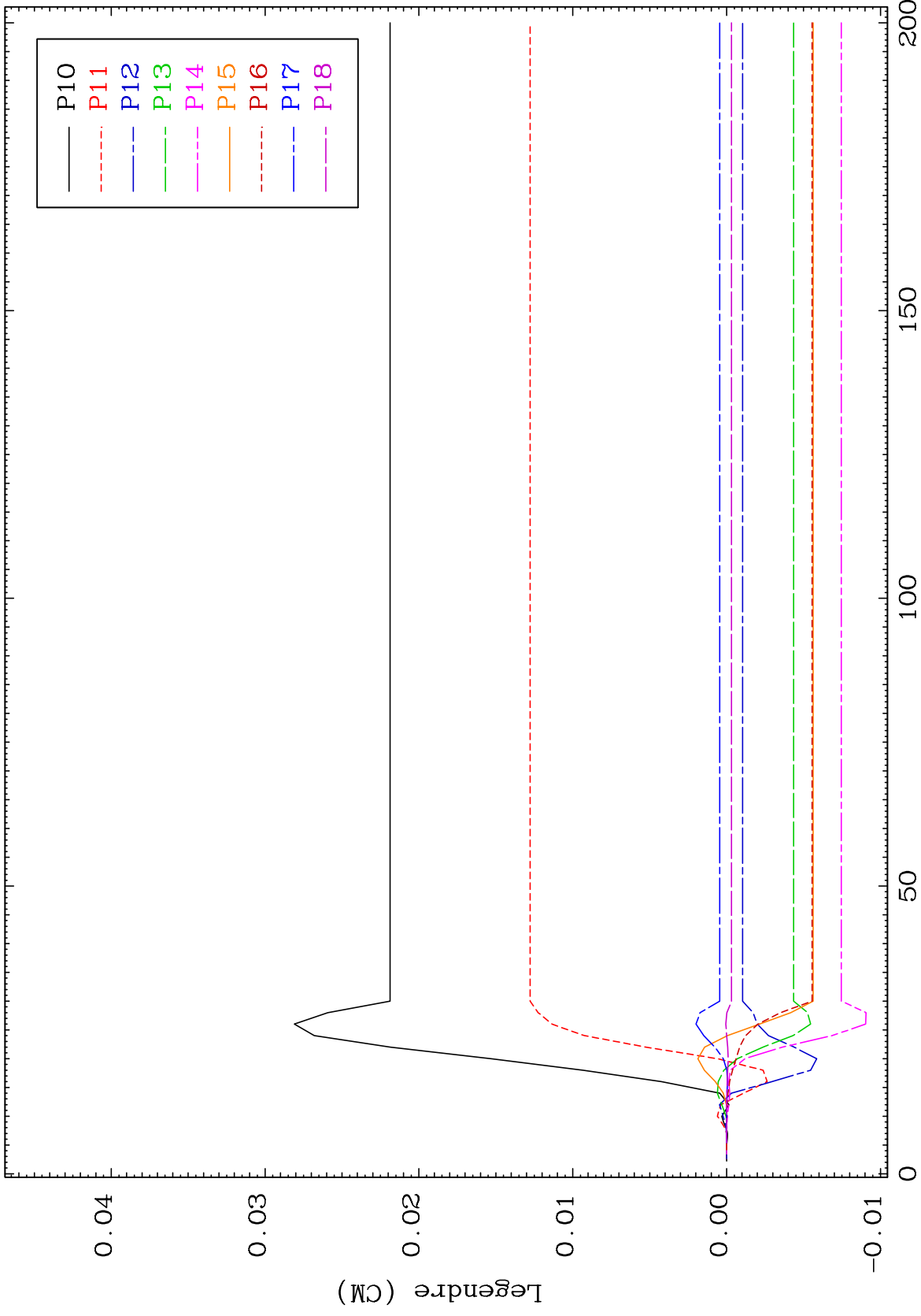
Incident Energy (MeV)

82

MAT 6261

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

62-Sm-156



83

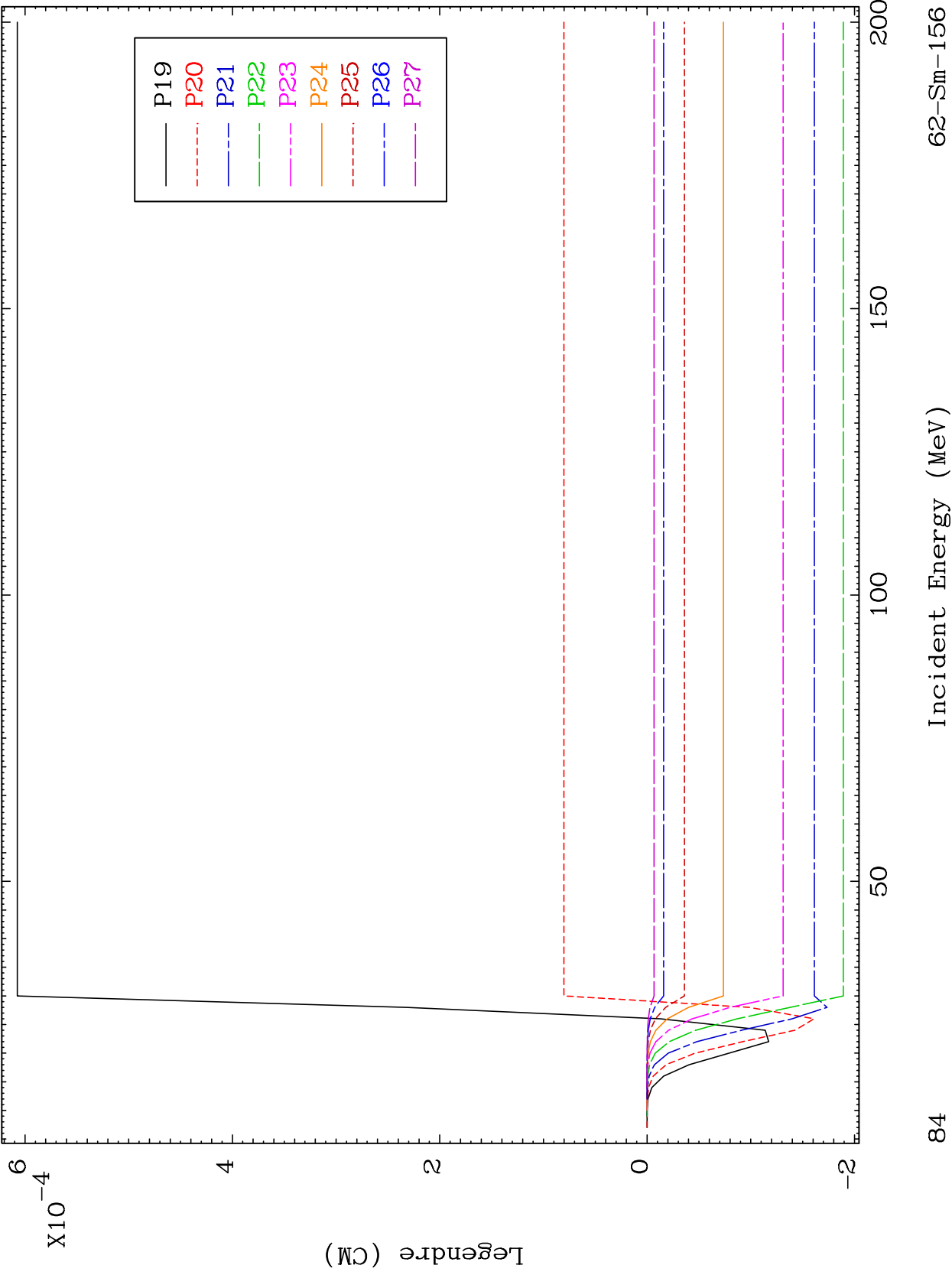
Incident Energy (MeV)

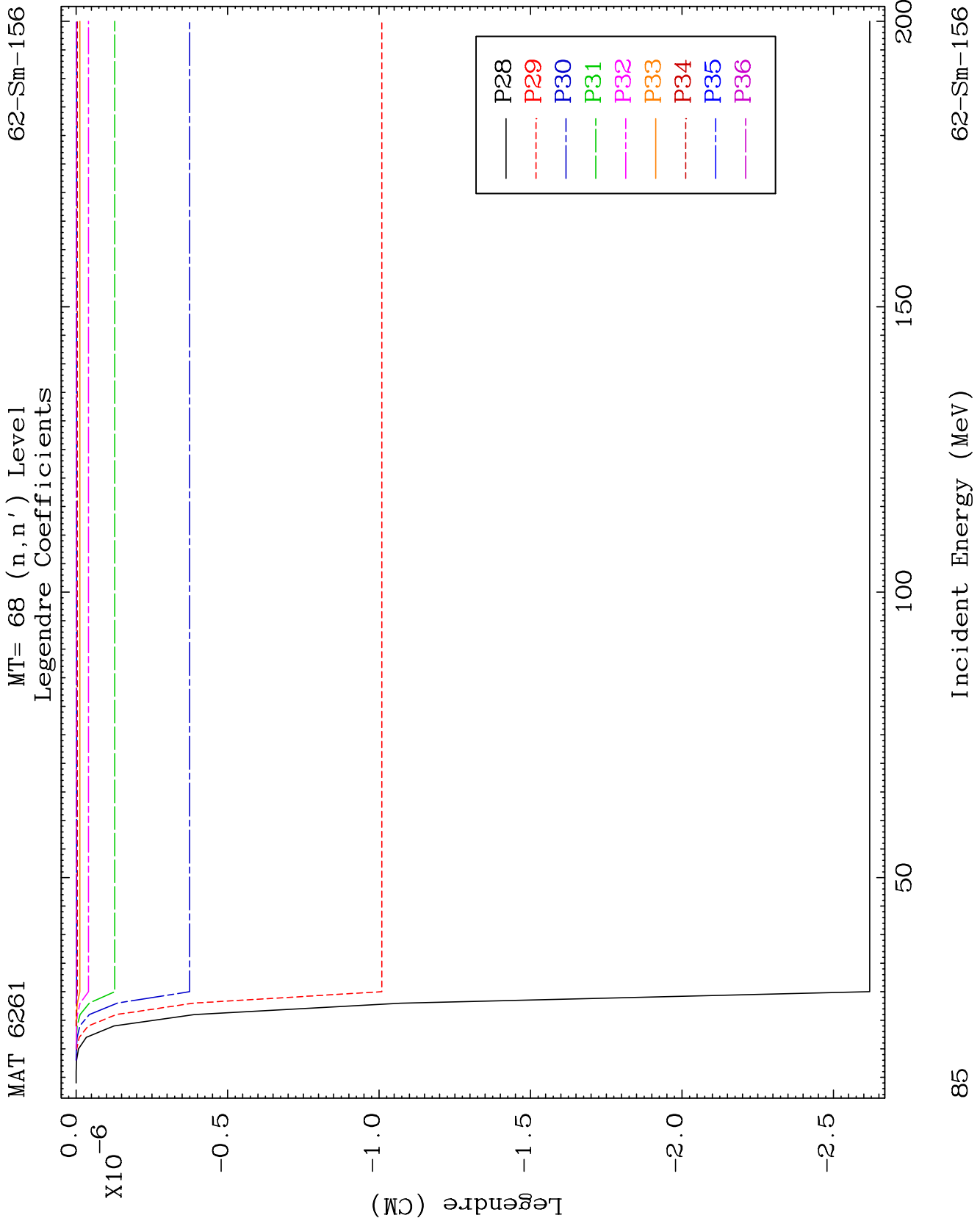
62-Sm-156

MAT 6261

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

62-Sm-156

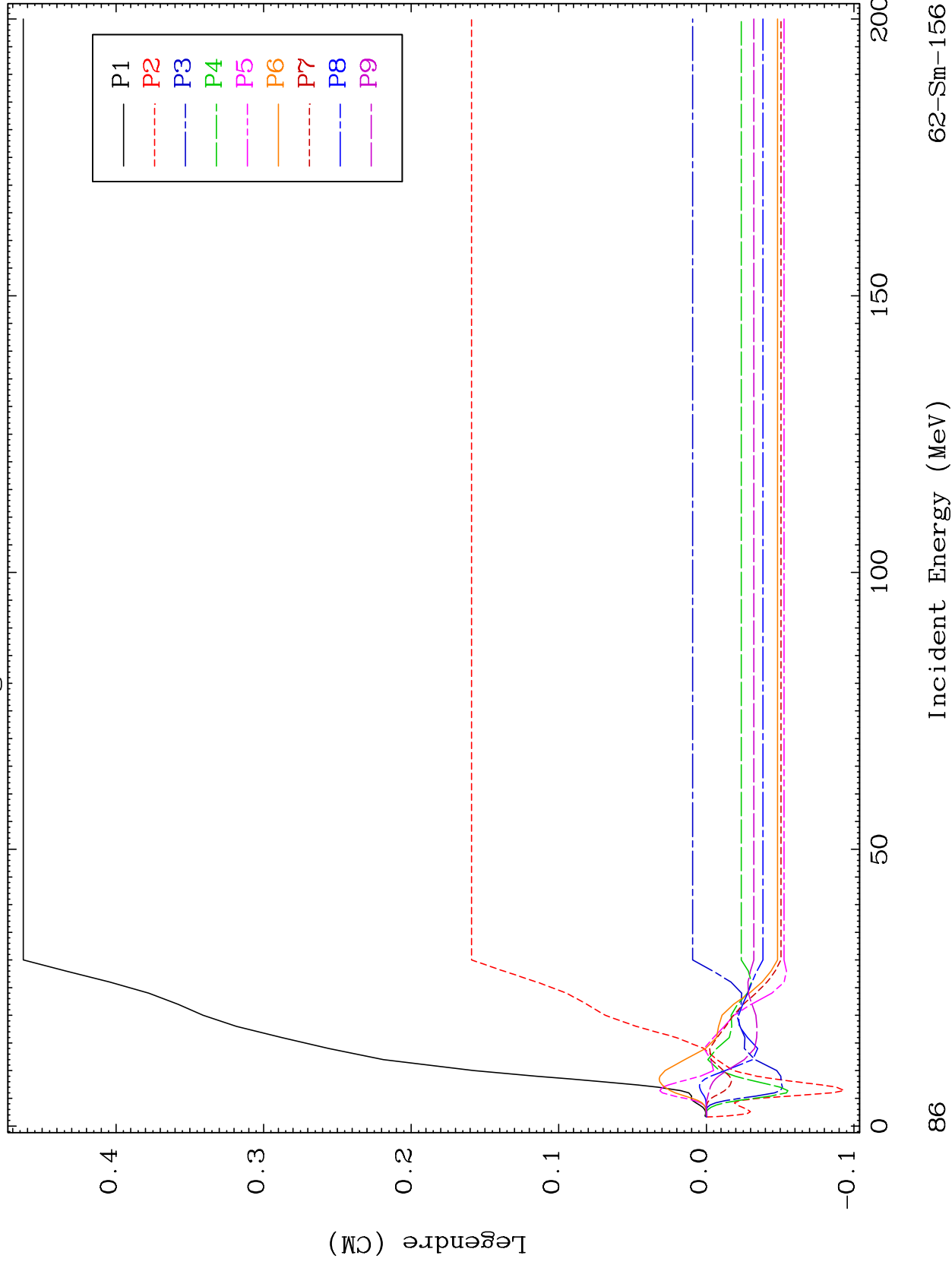




MAT 6261

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

62-Sm-156



62-Sm-156

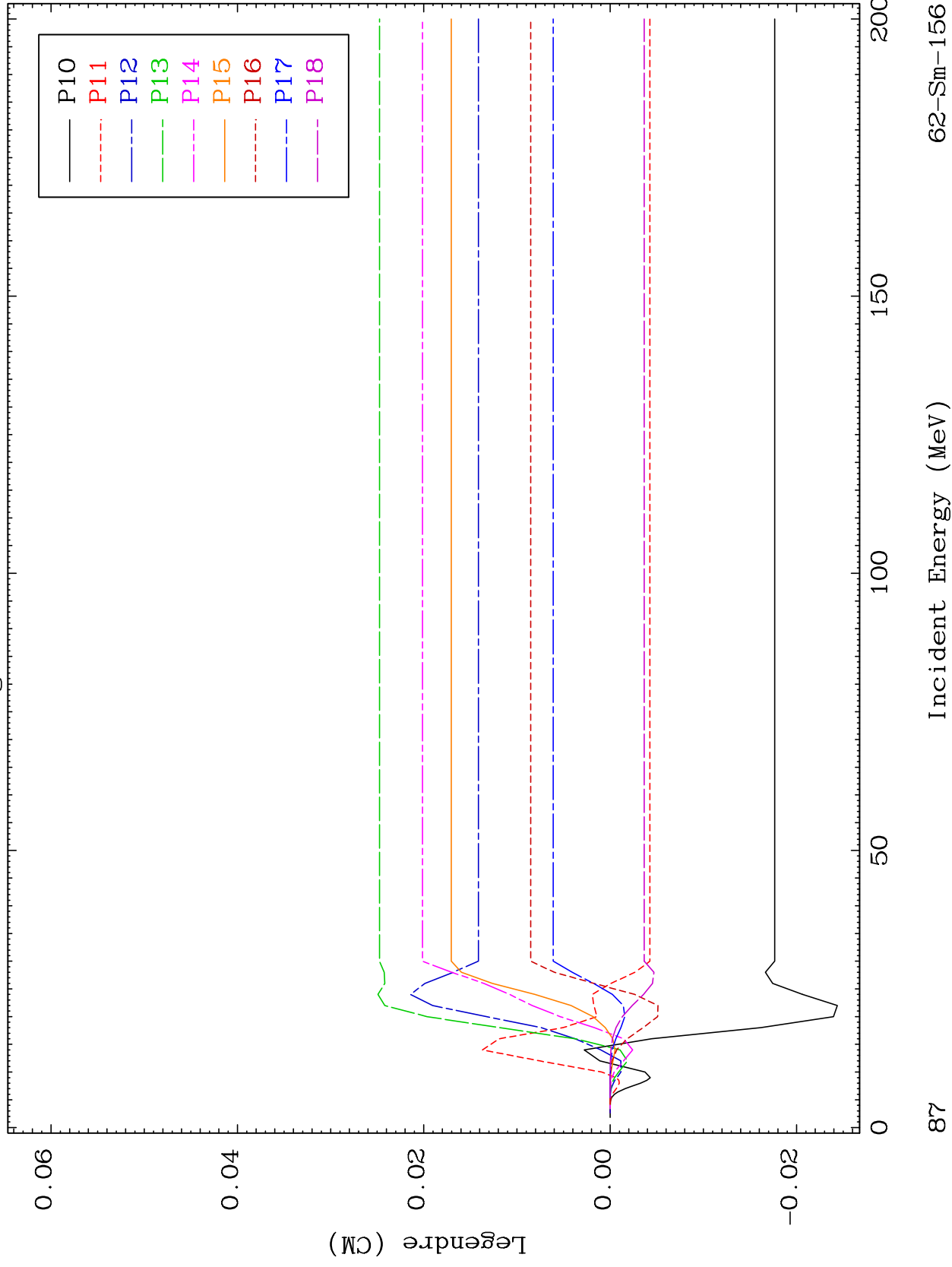
Incident Energy (MeV)

86

MAT 6261

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

62-Sm-156



87

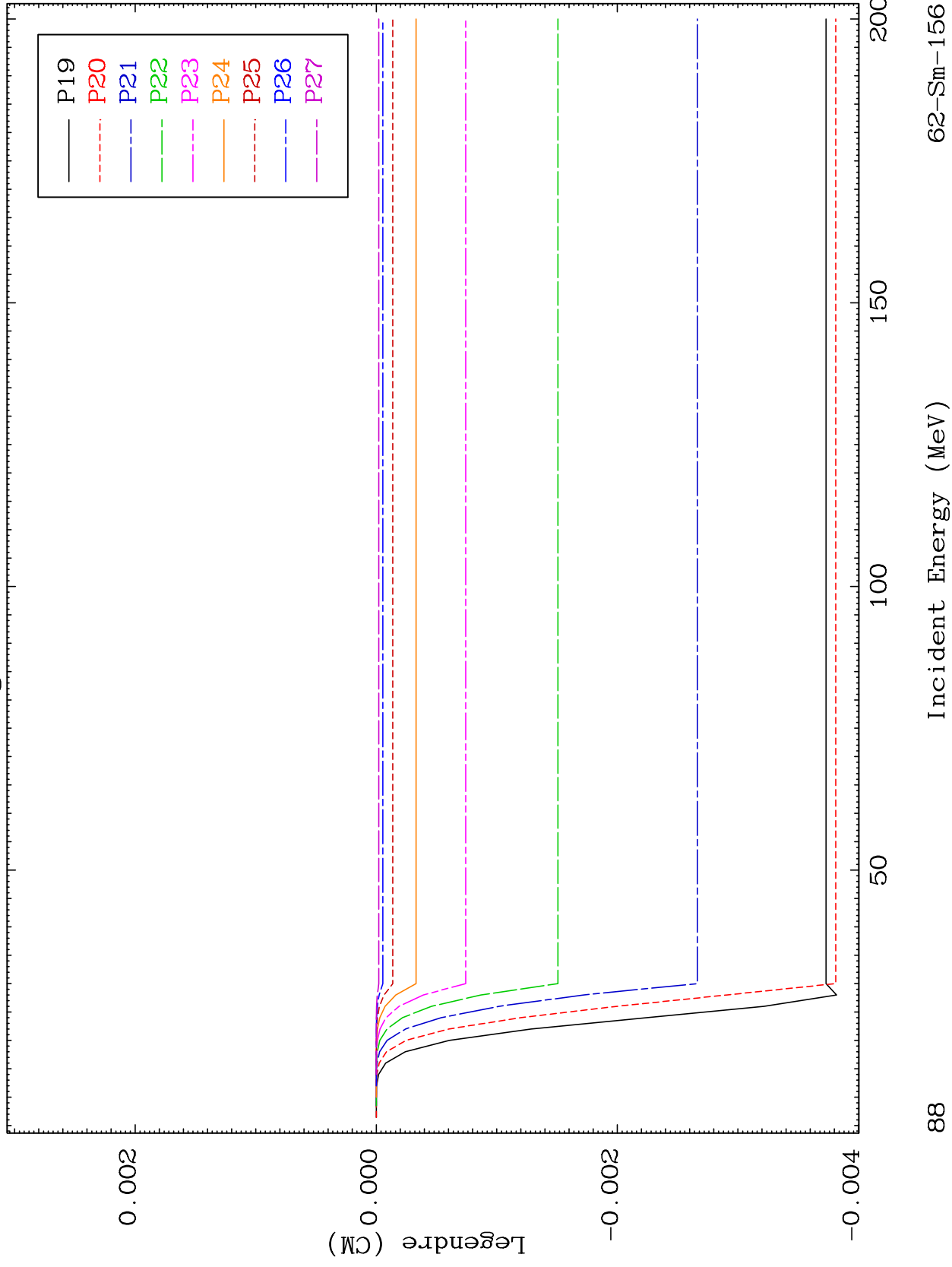
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



88

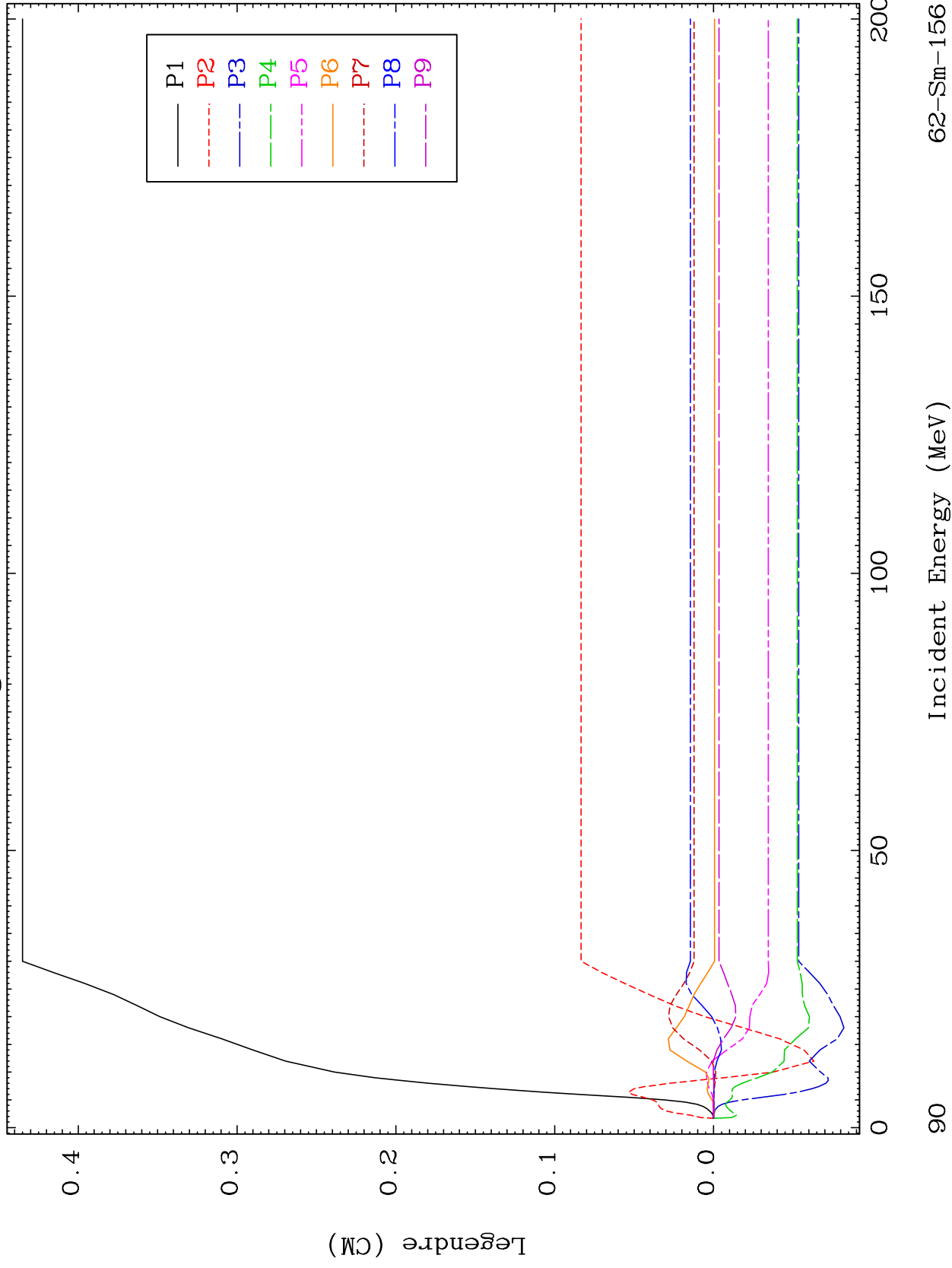
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



62-Sm-156

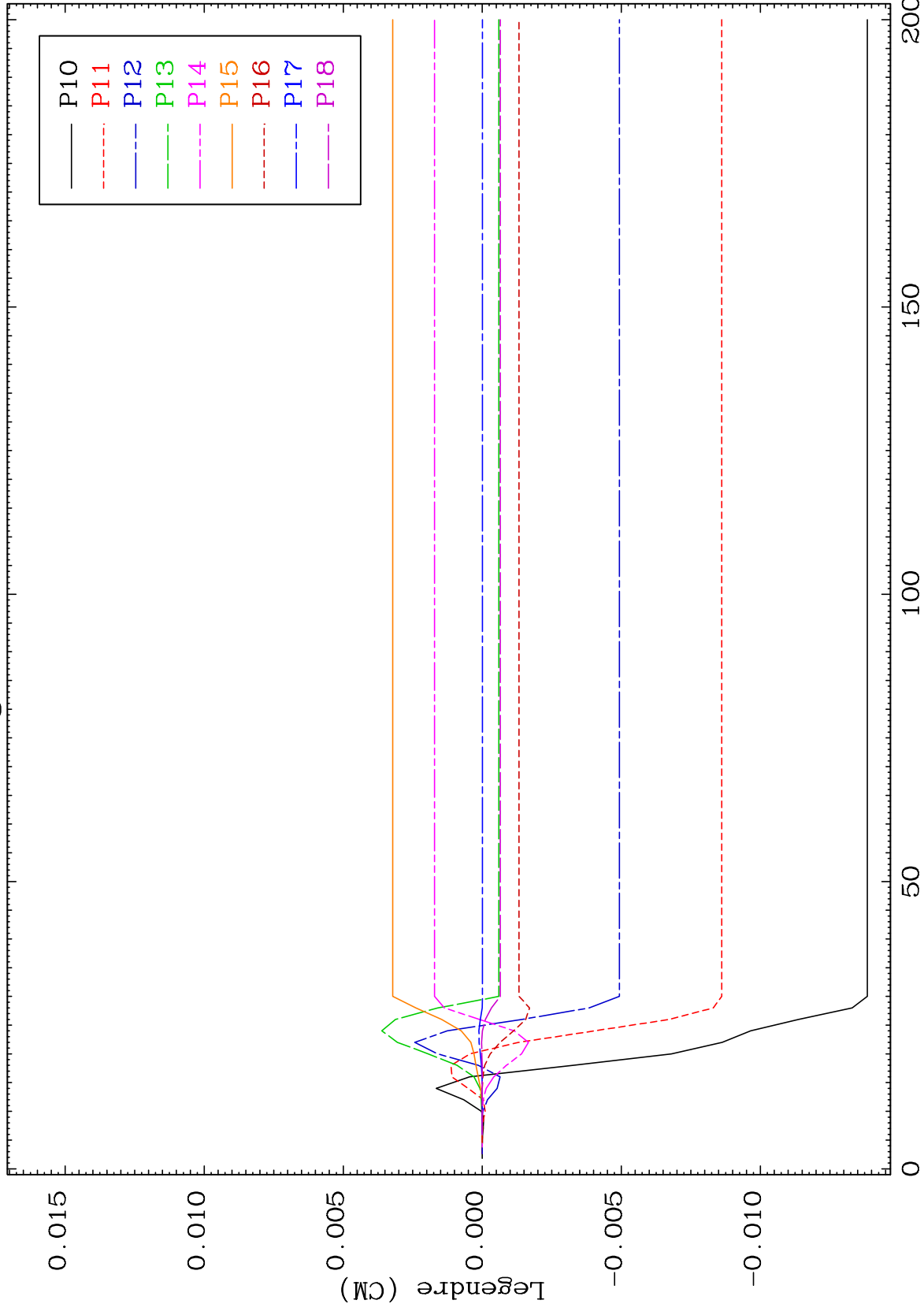
Incident Energy (MeV)

90

MAT 6261

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

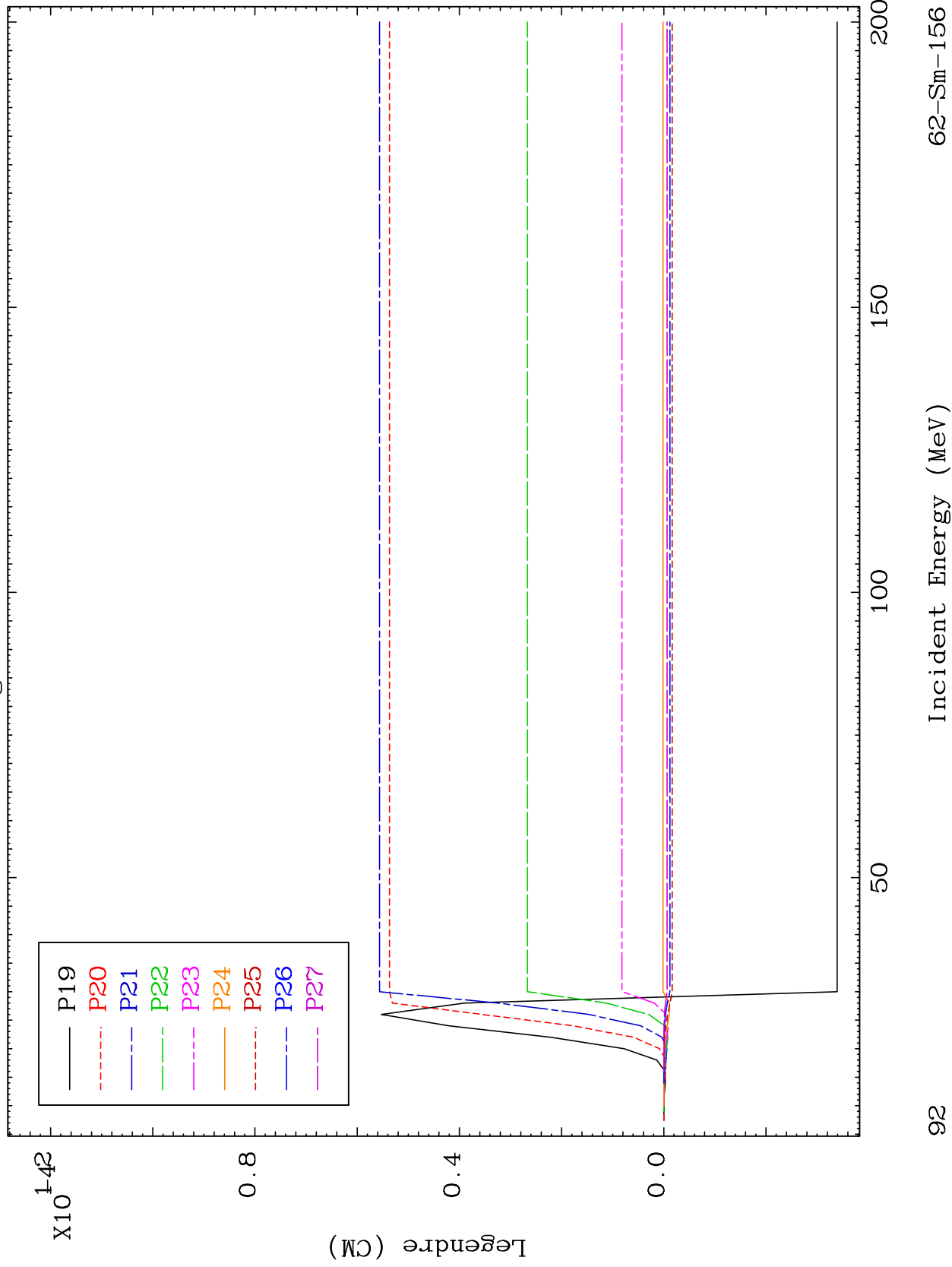
62-Sm-156

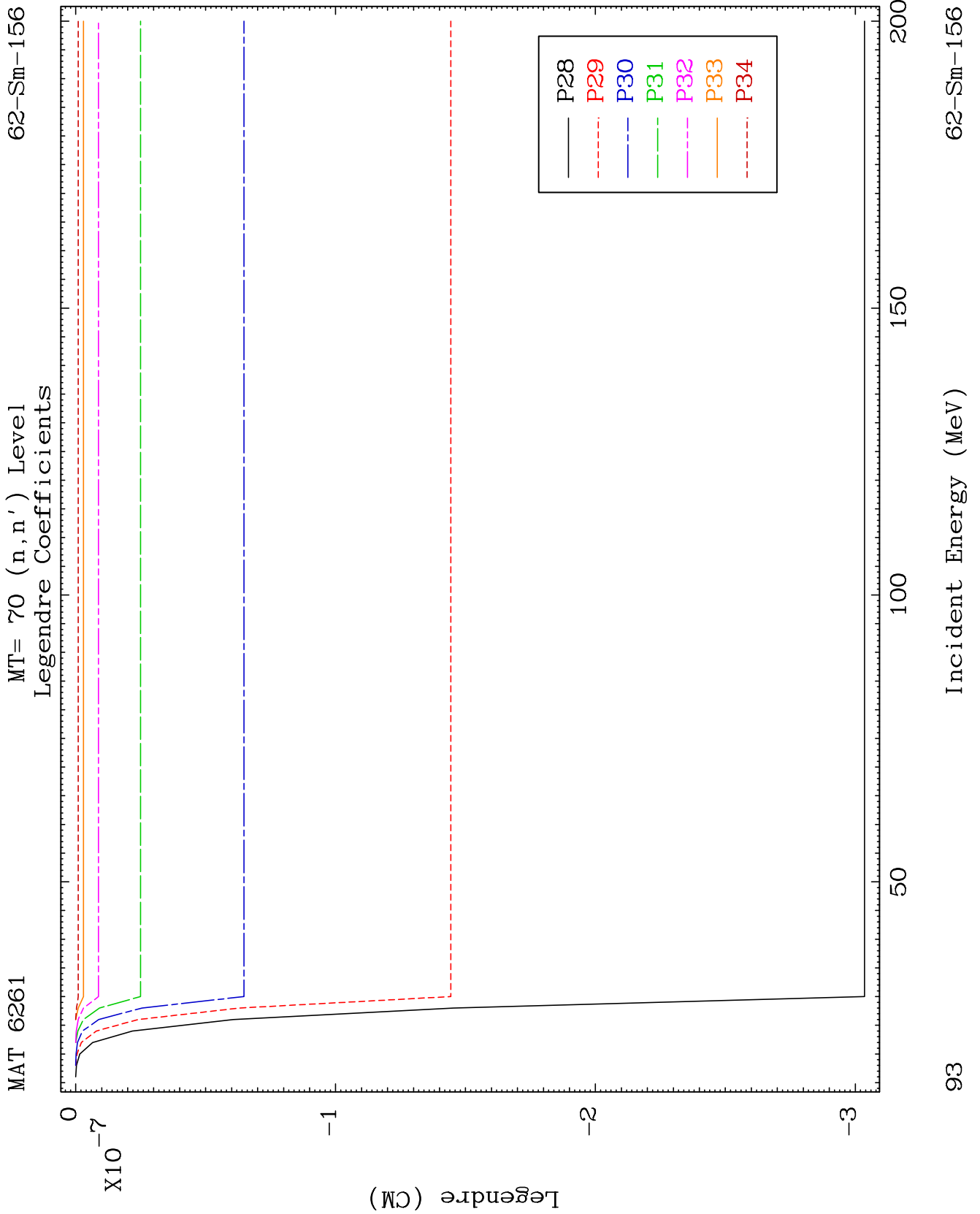


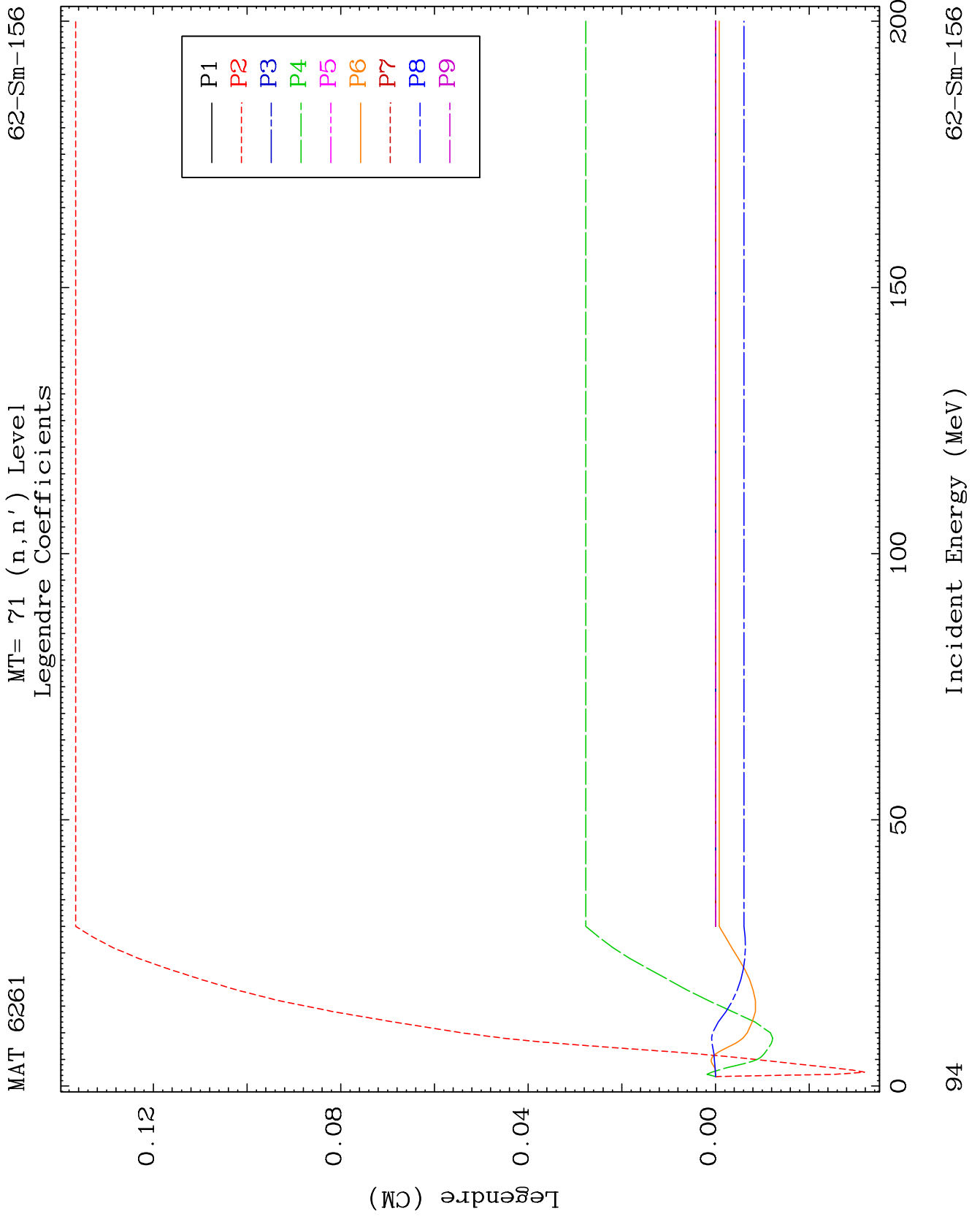
91

Incident Energy (MeV)

62-Sm-156



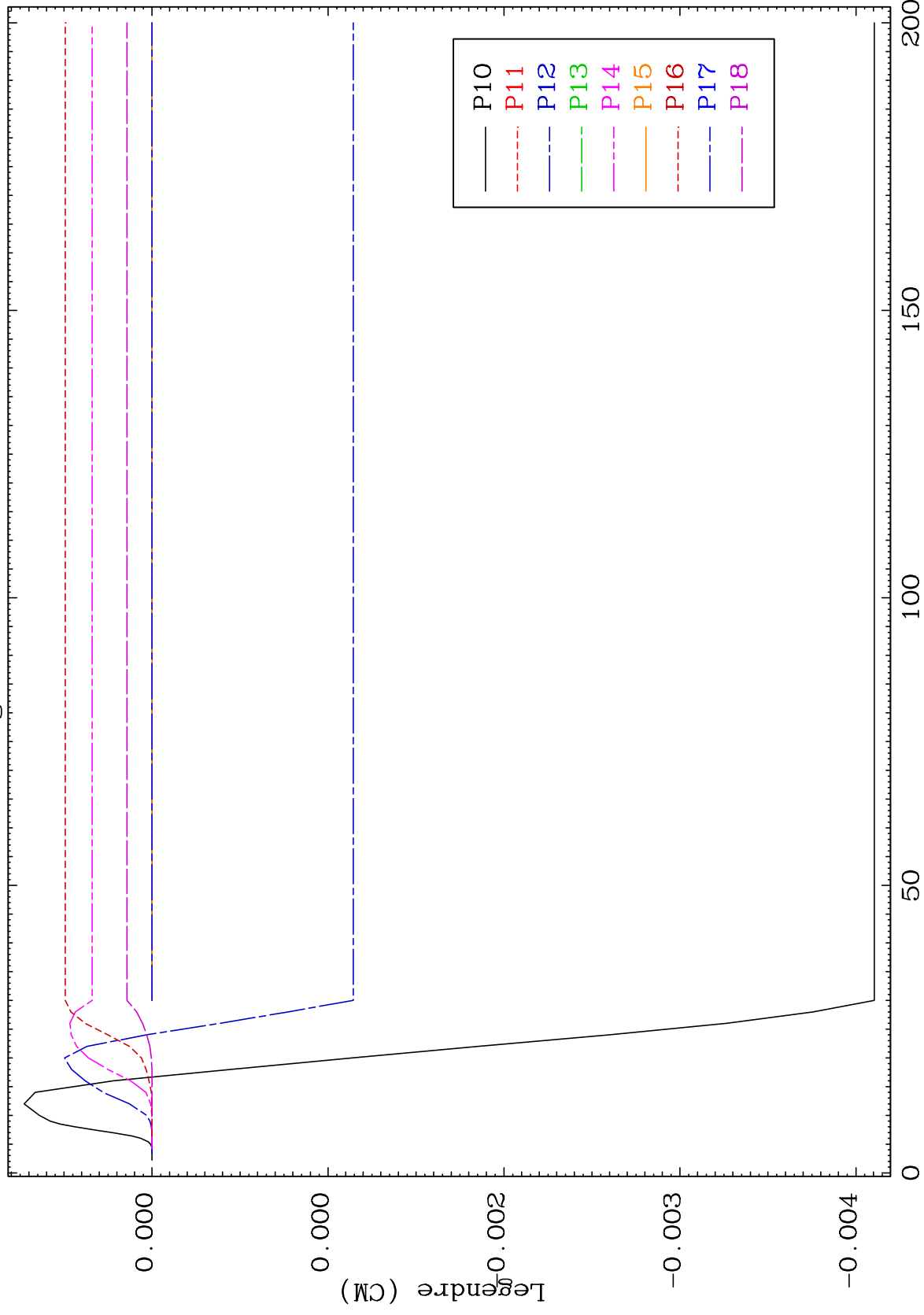




MAT 6261

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

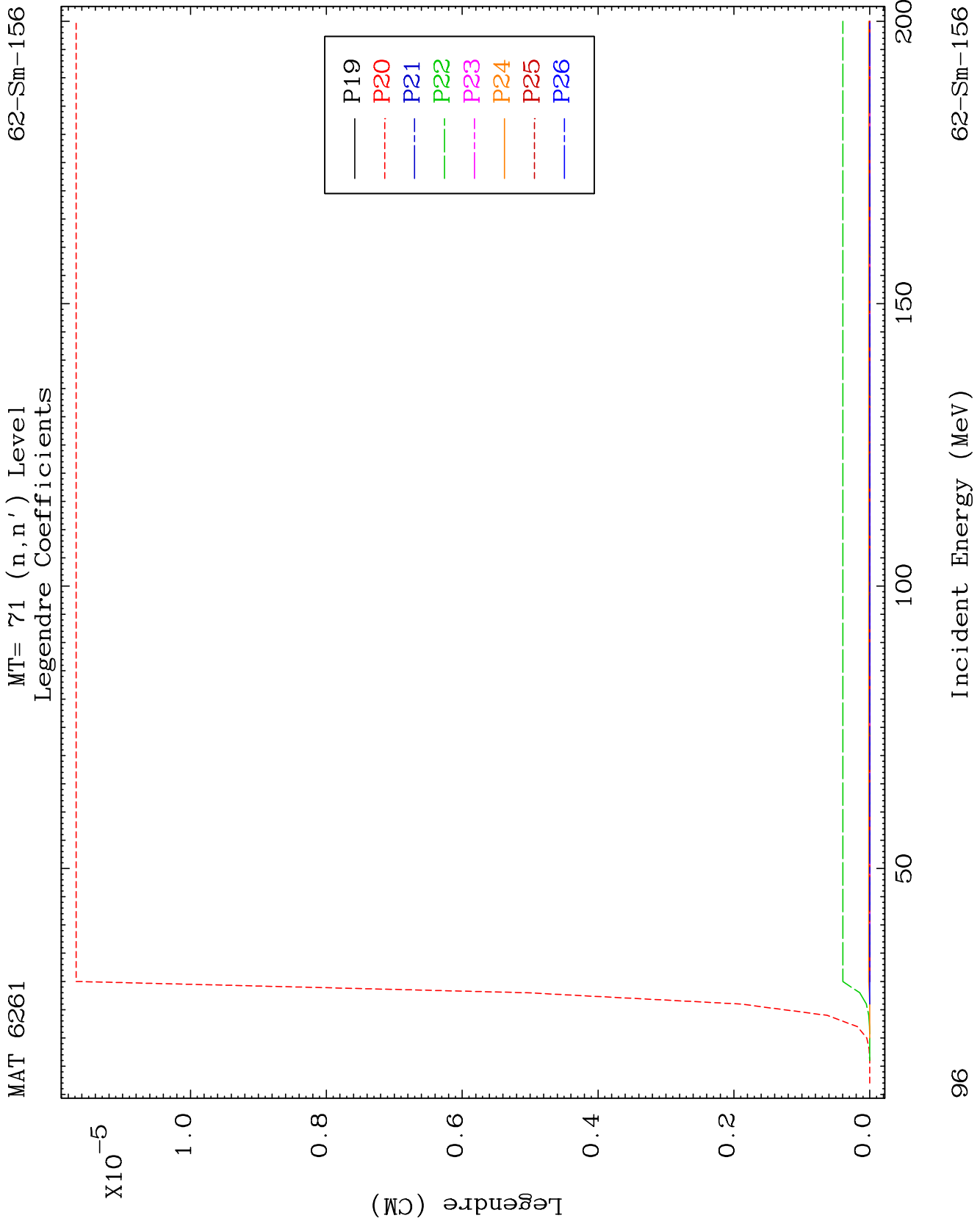
62-Sm-156



95

Incident Energy (MeV)

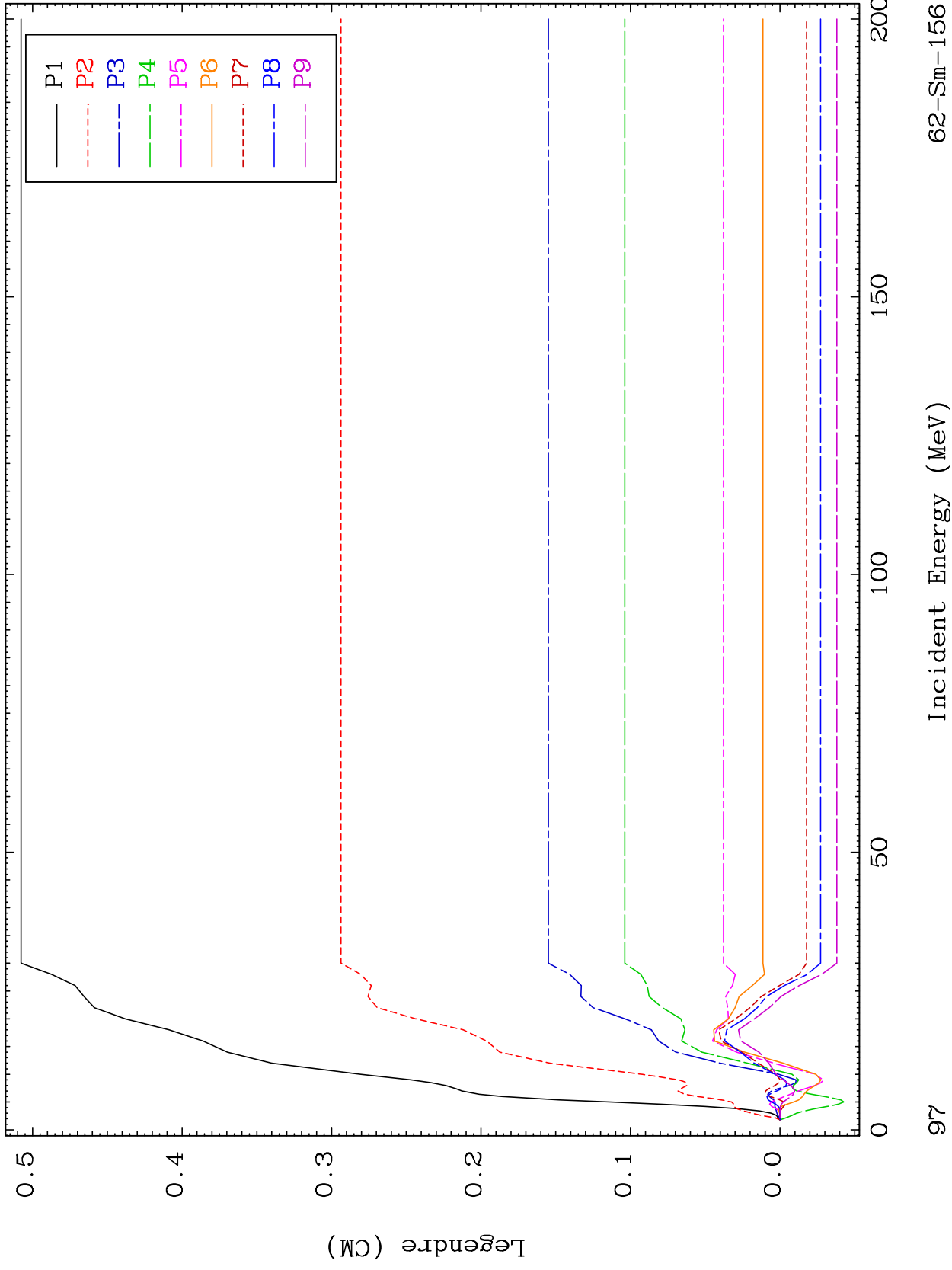
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

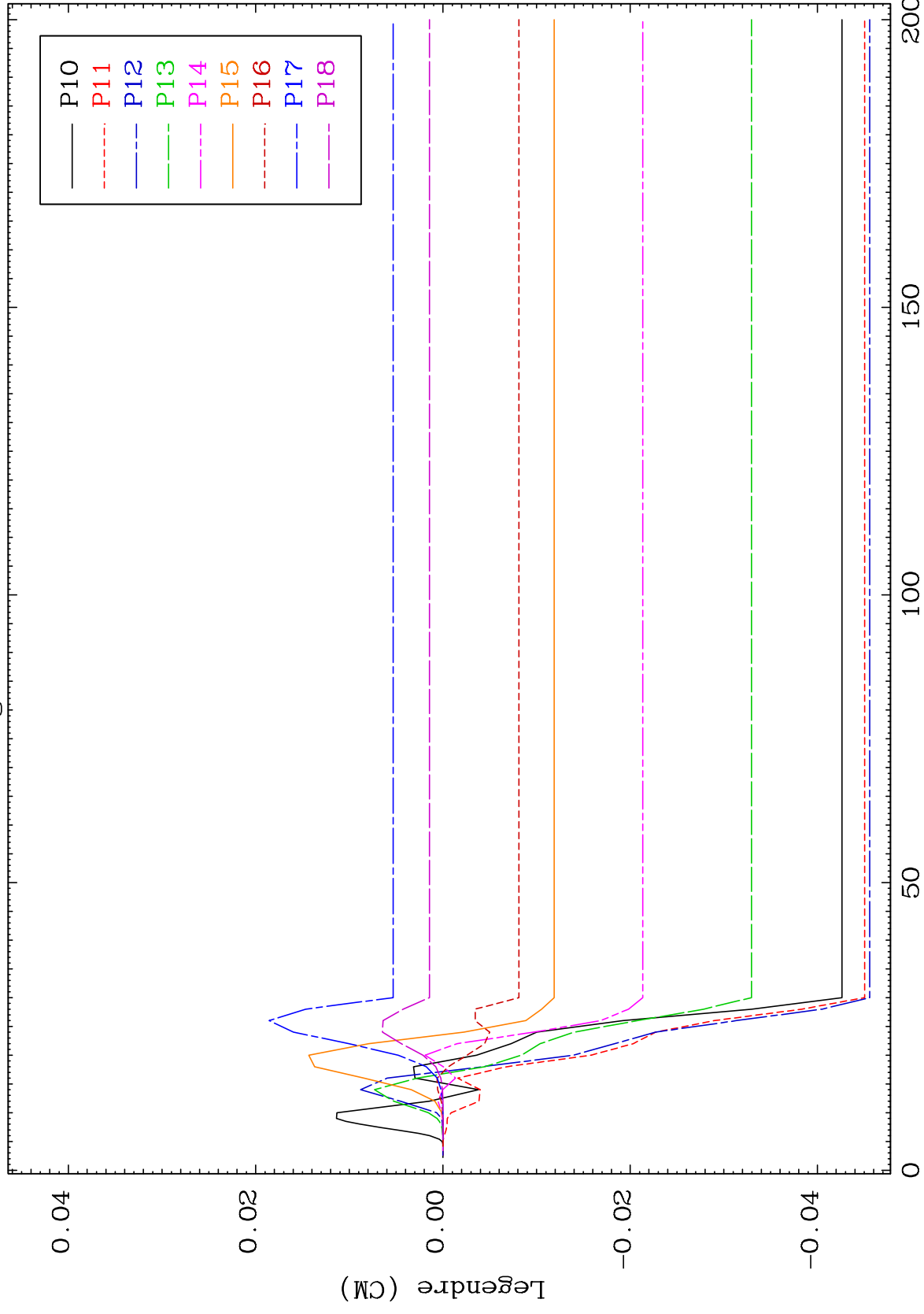
Incident Energy (MeV)

97

MAT 6261

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

62-Sm-156



98

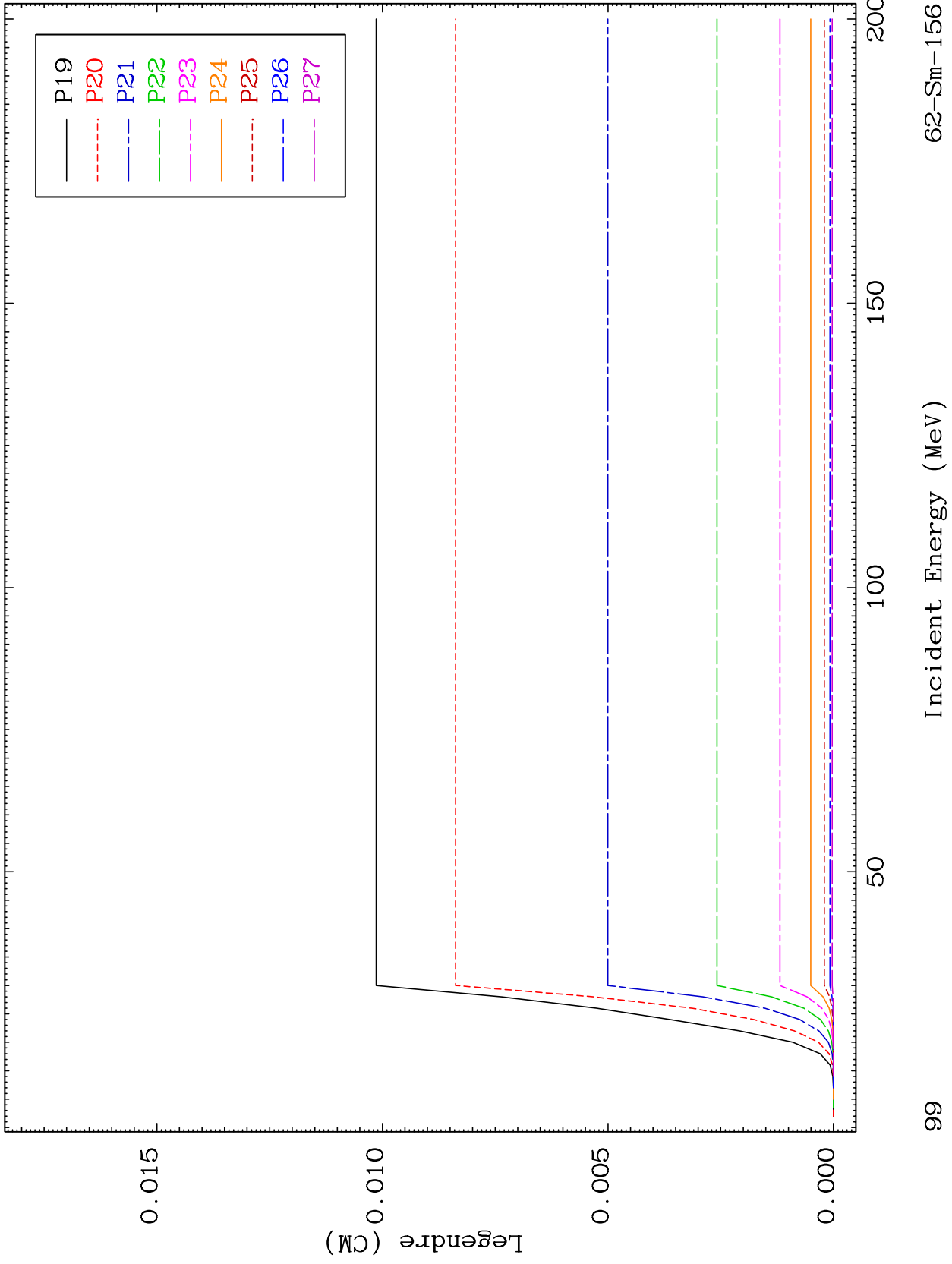
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



99

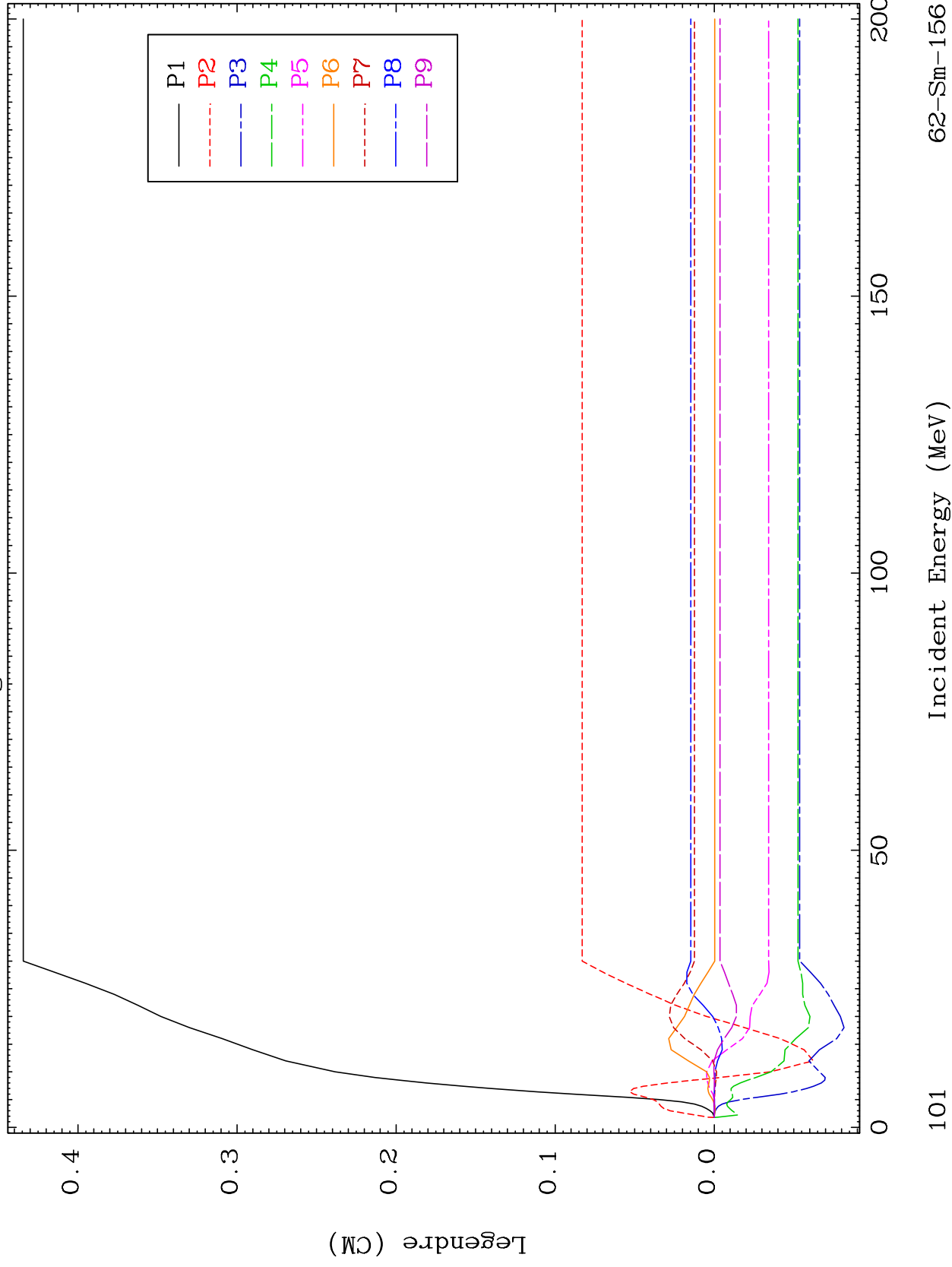
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



101

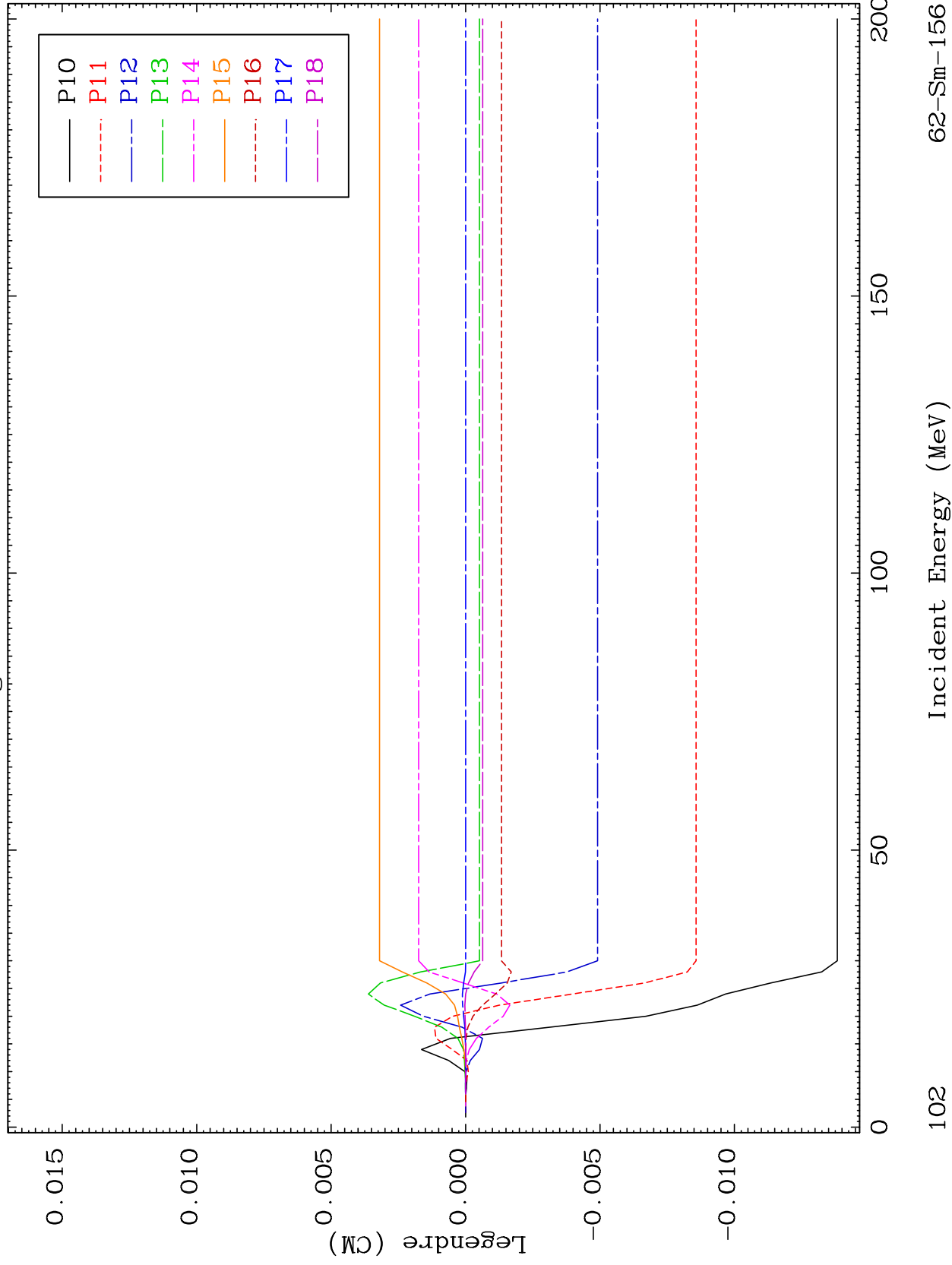
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

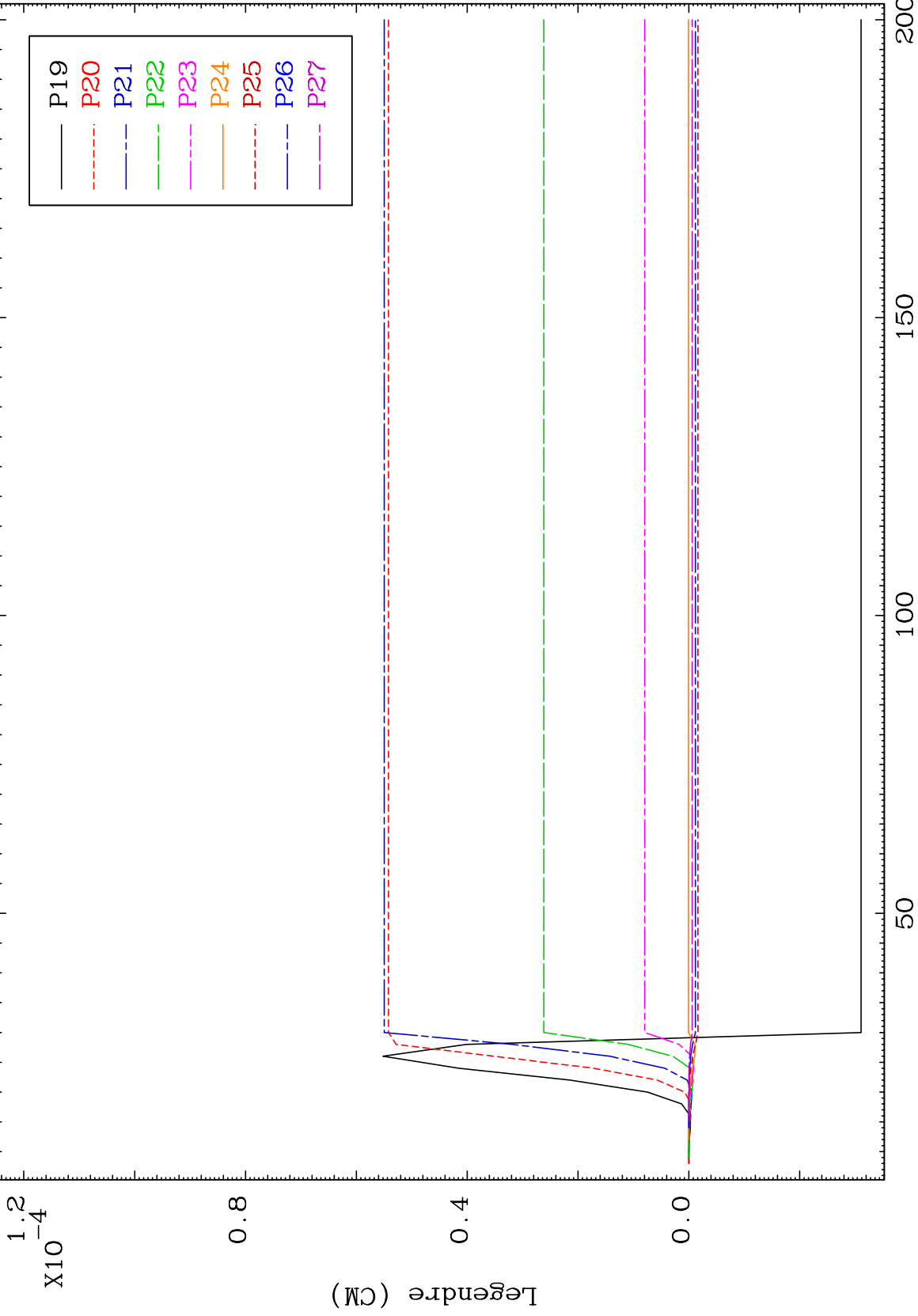
62-Sm-156

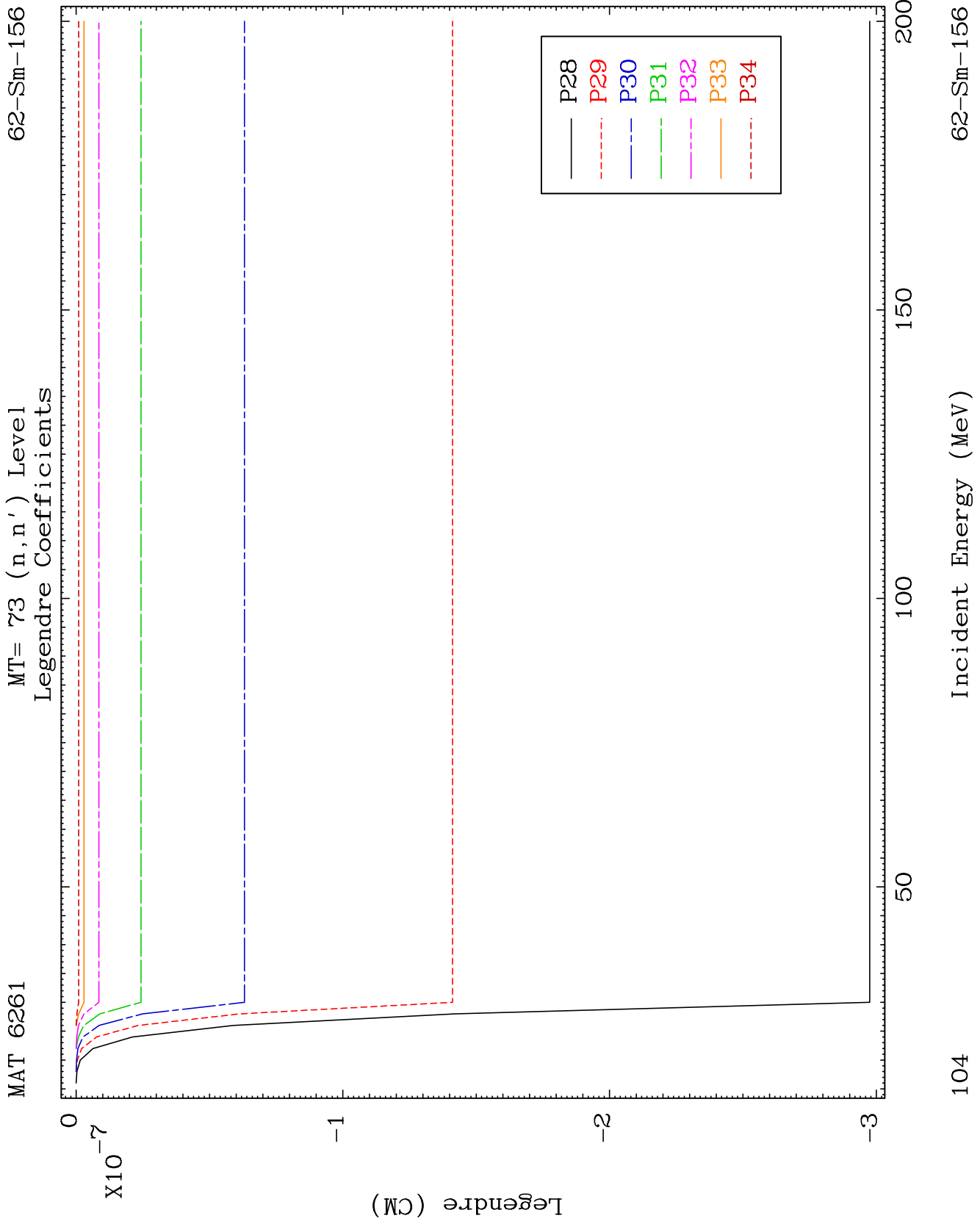


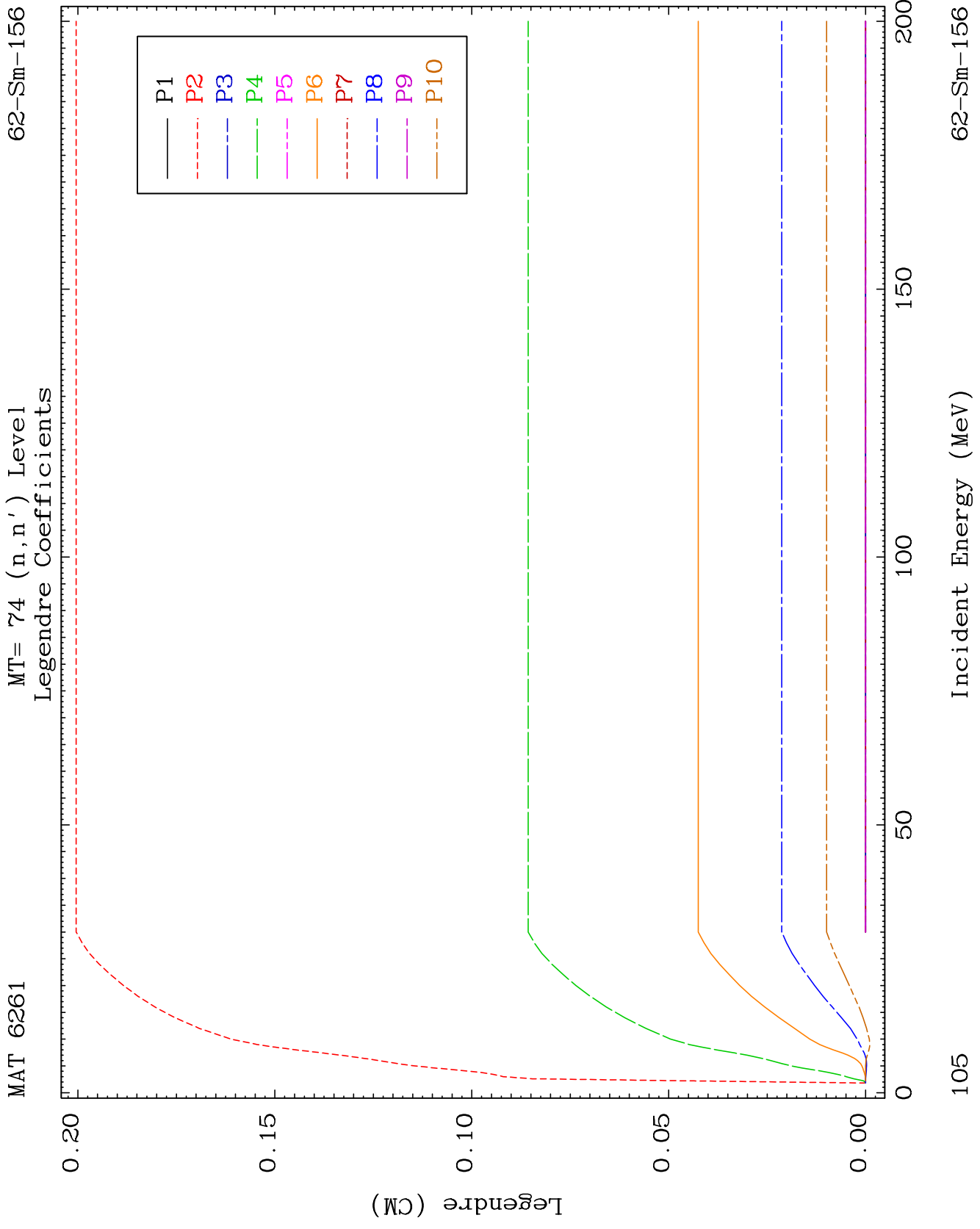
102

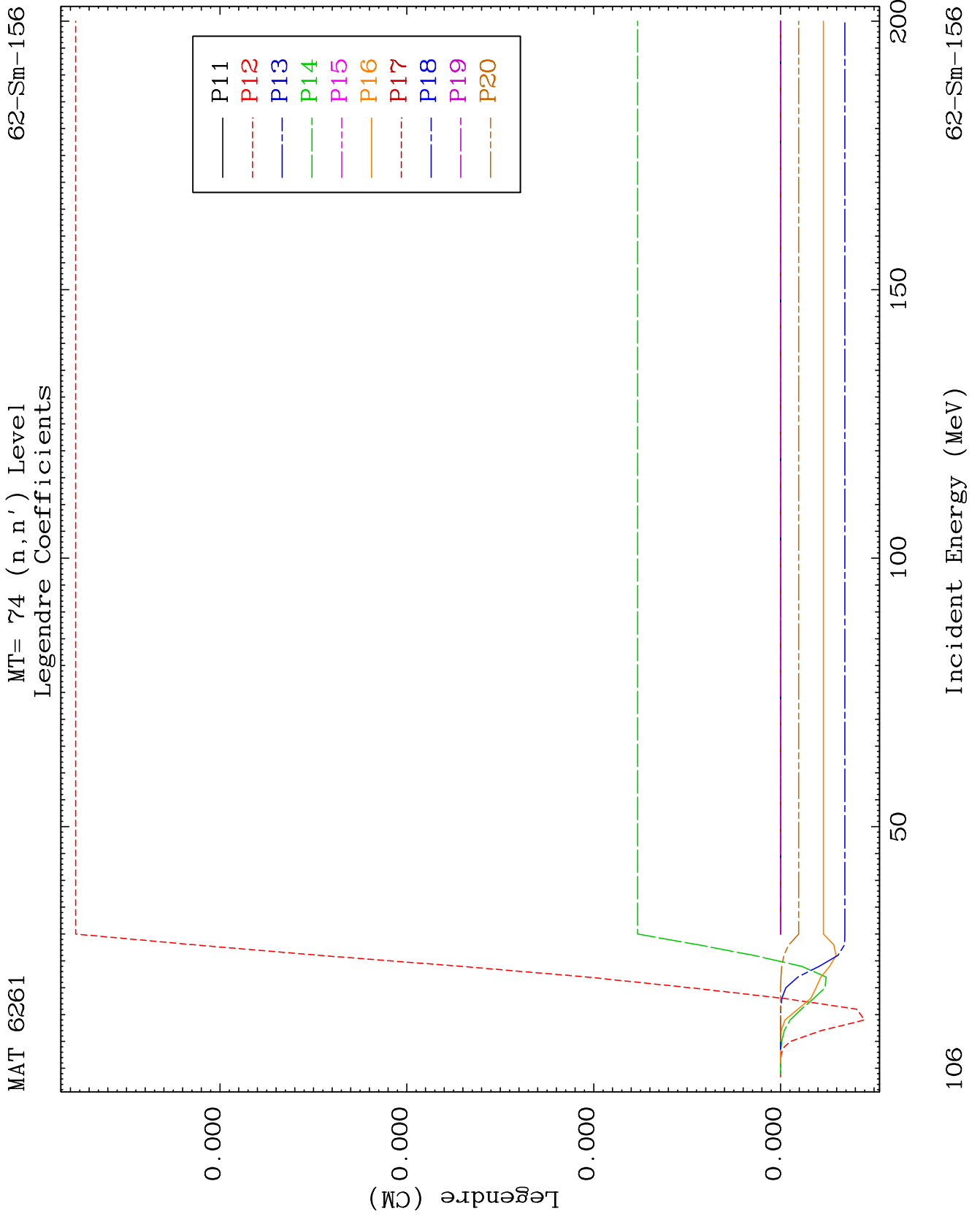
Incident Energy (MeV)

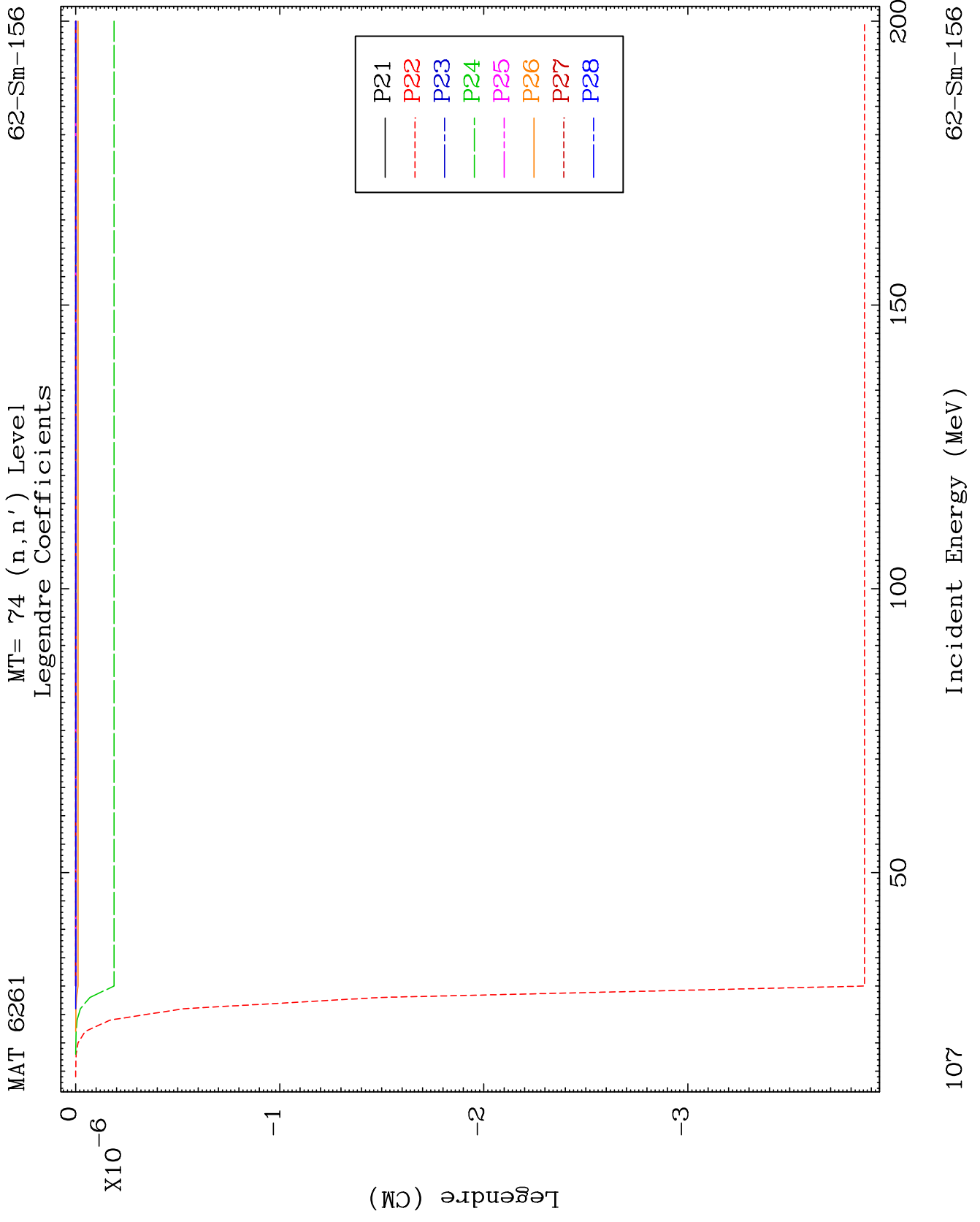
62-Sm-156







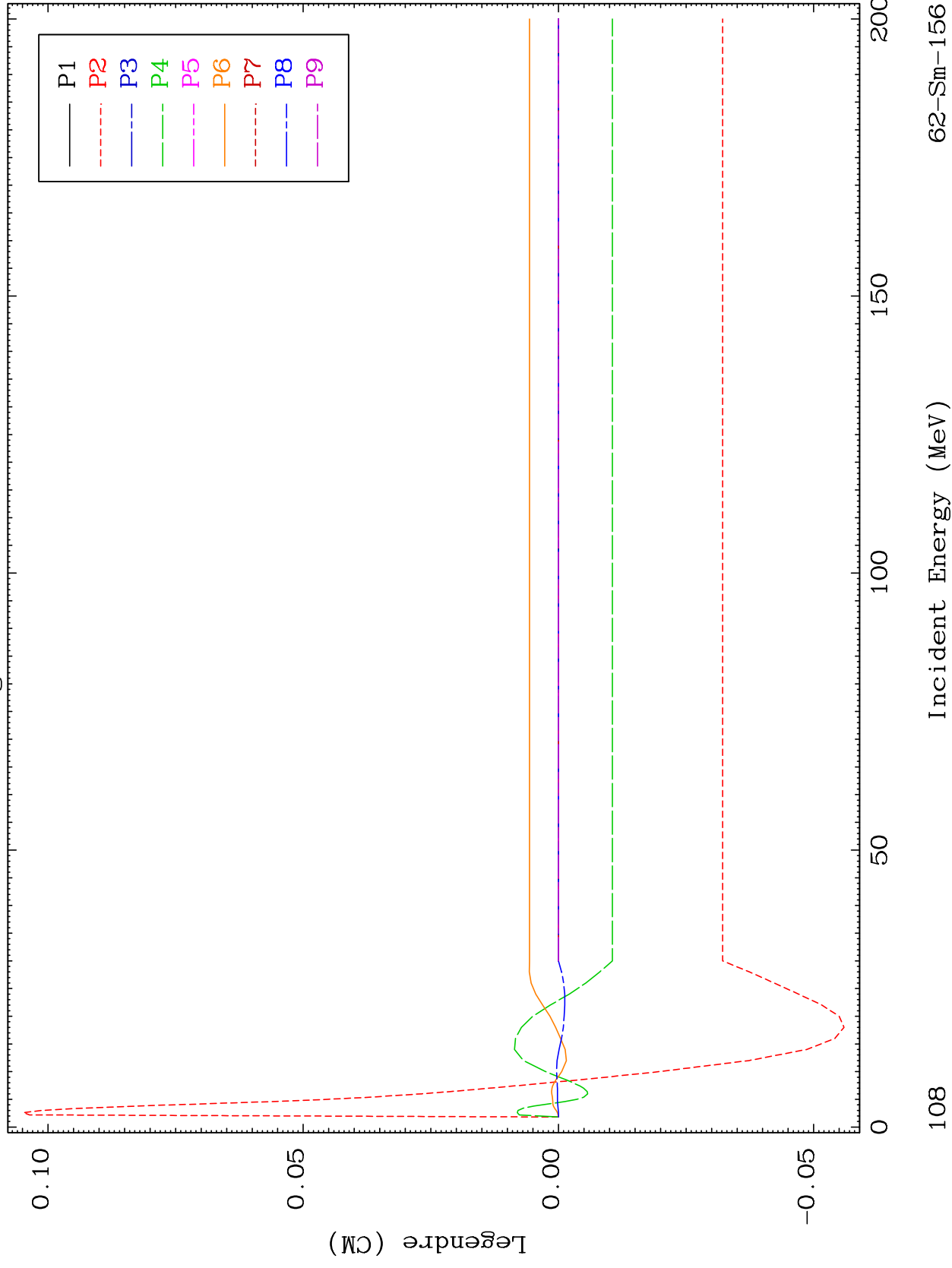




MAT 6261

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

62-Sm-156



62-Sm-156

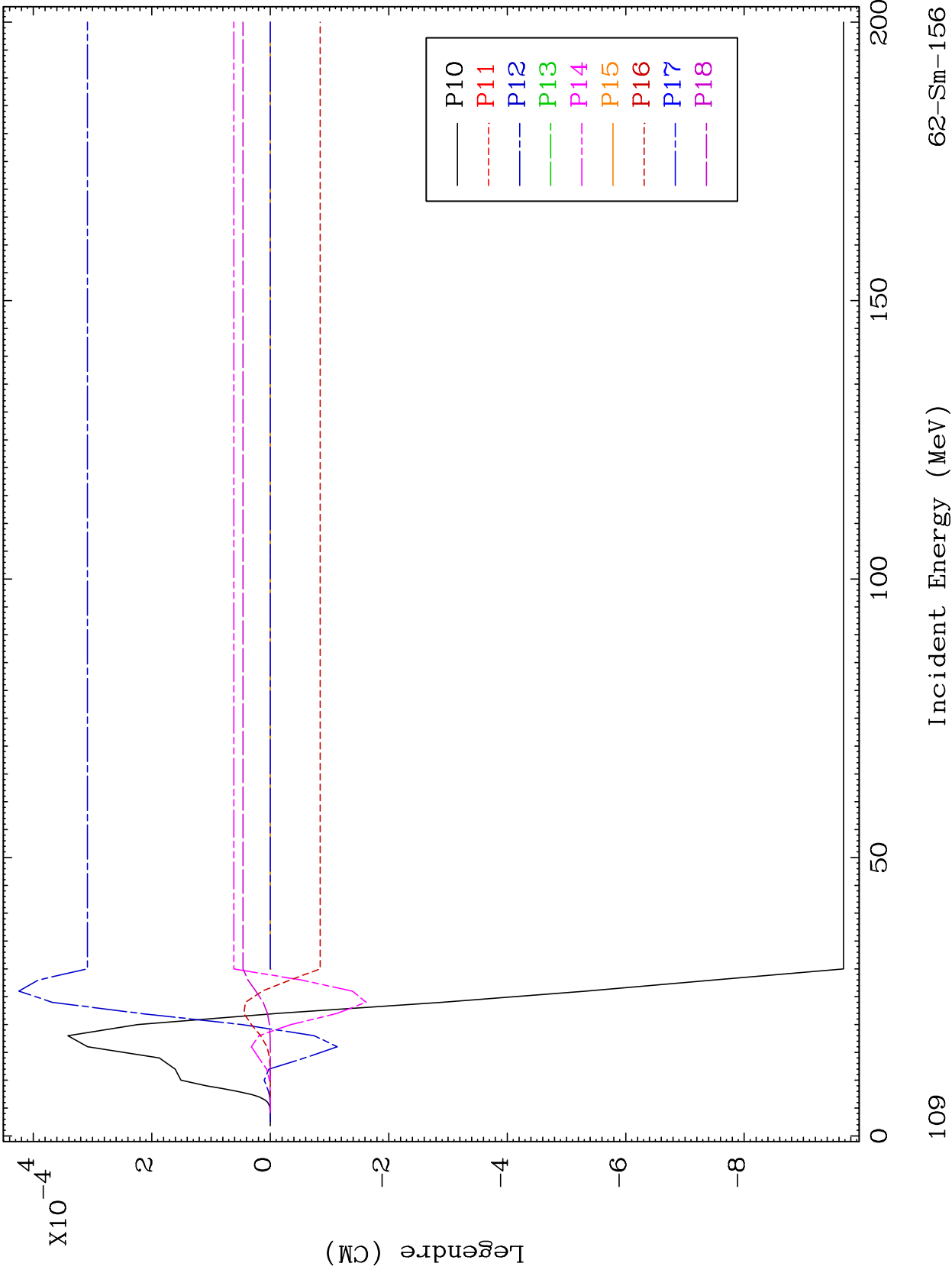
Incident Energy (MeV)

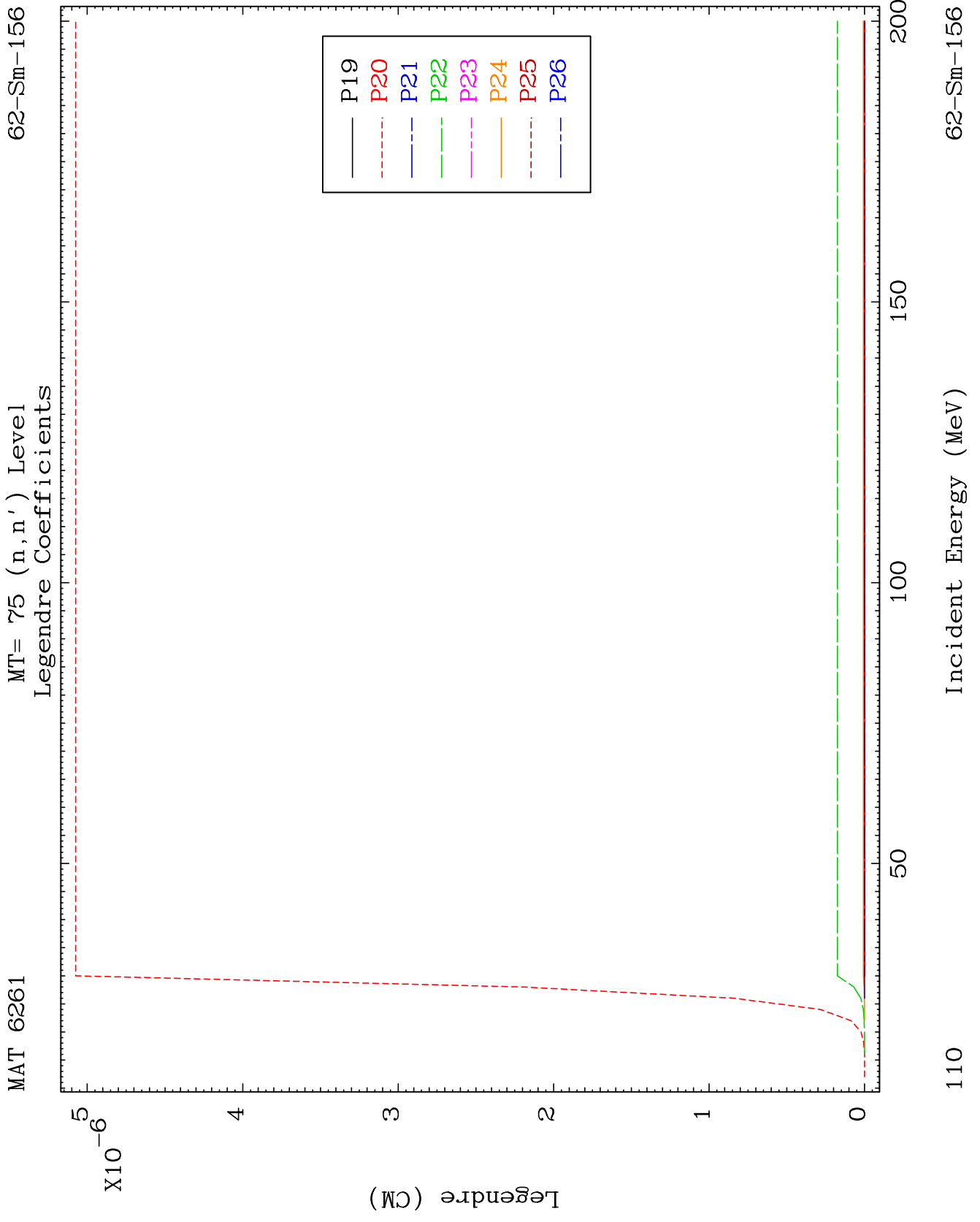
108

MAT 6261

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

62-Sm-156

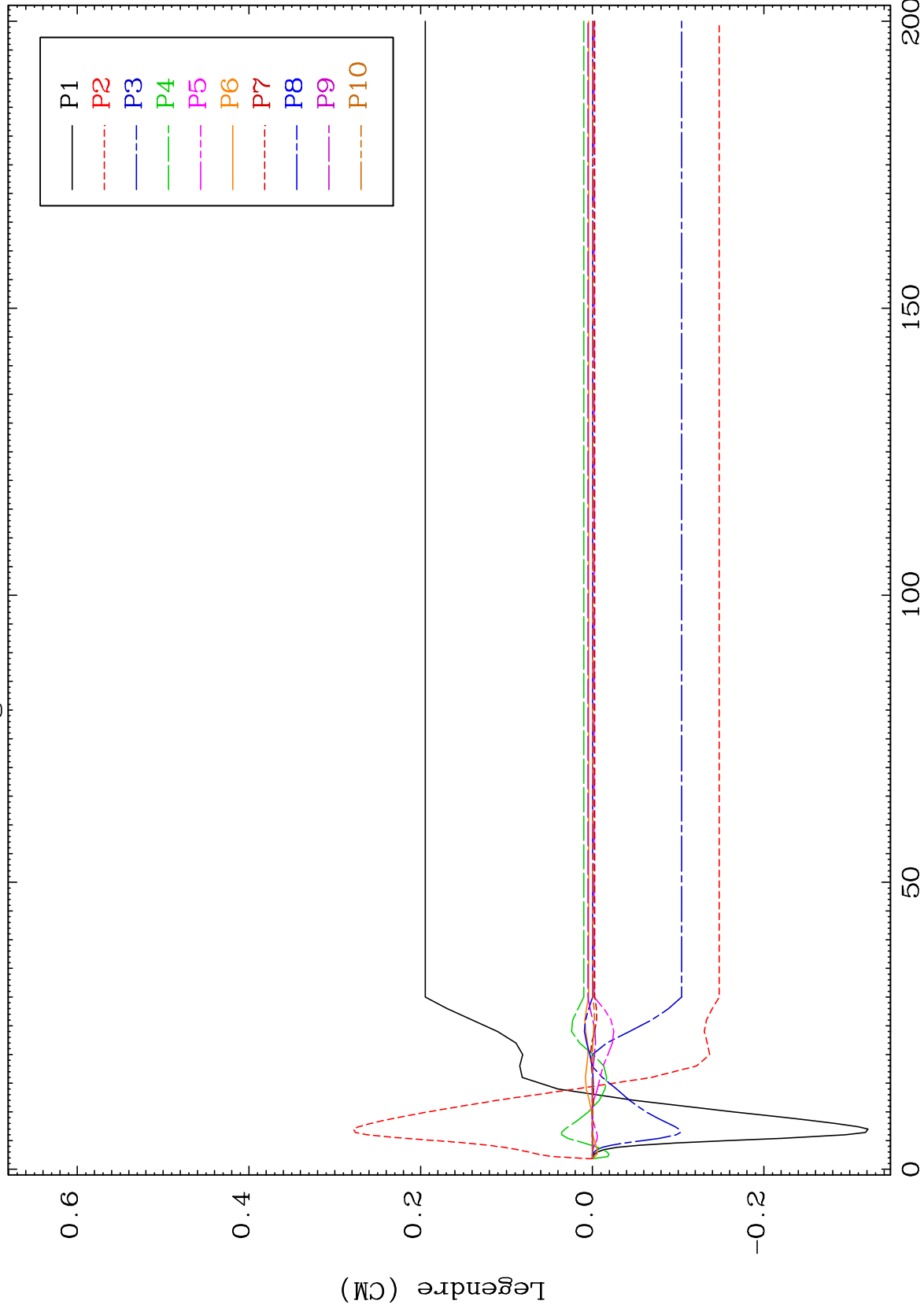




MAT 6261

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

62-Sm-156



111

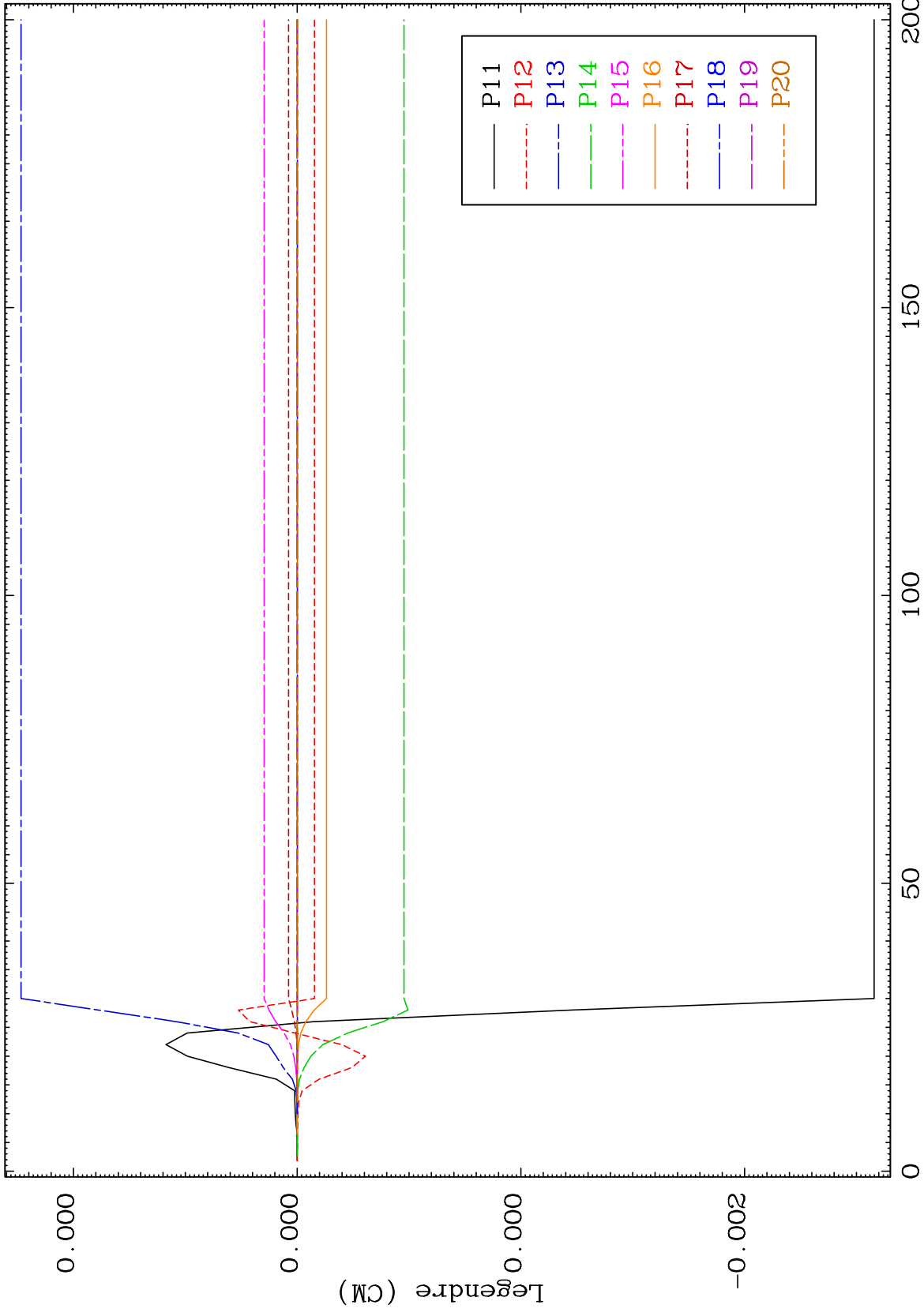
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



112

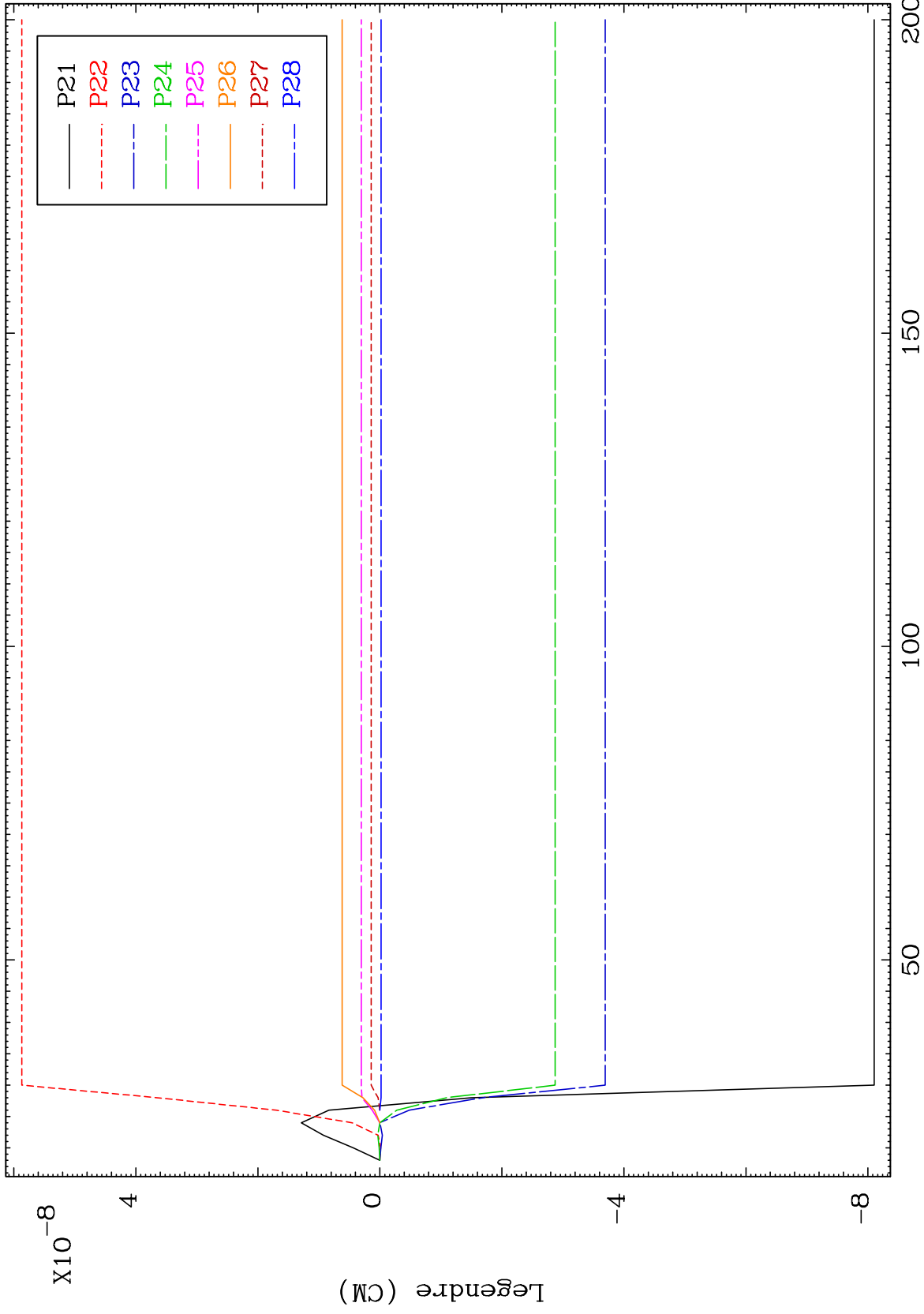
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



113

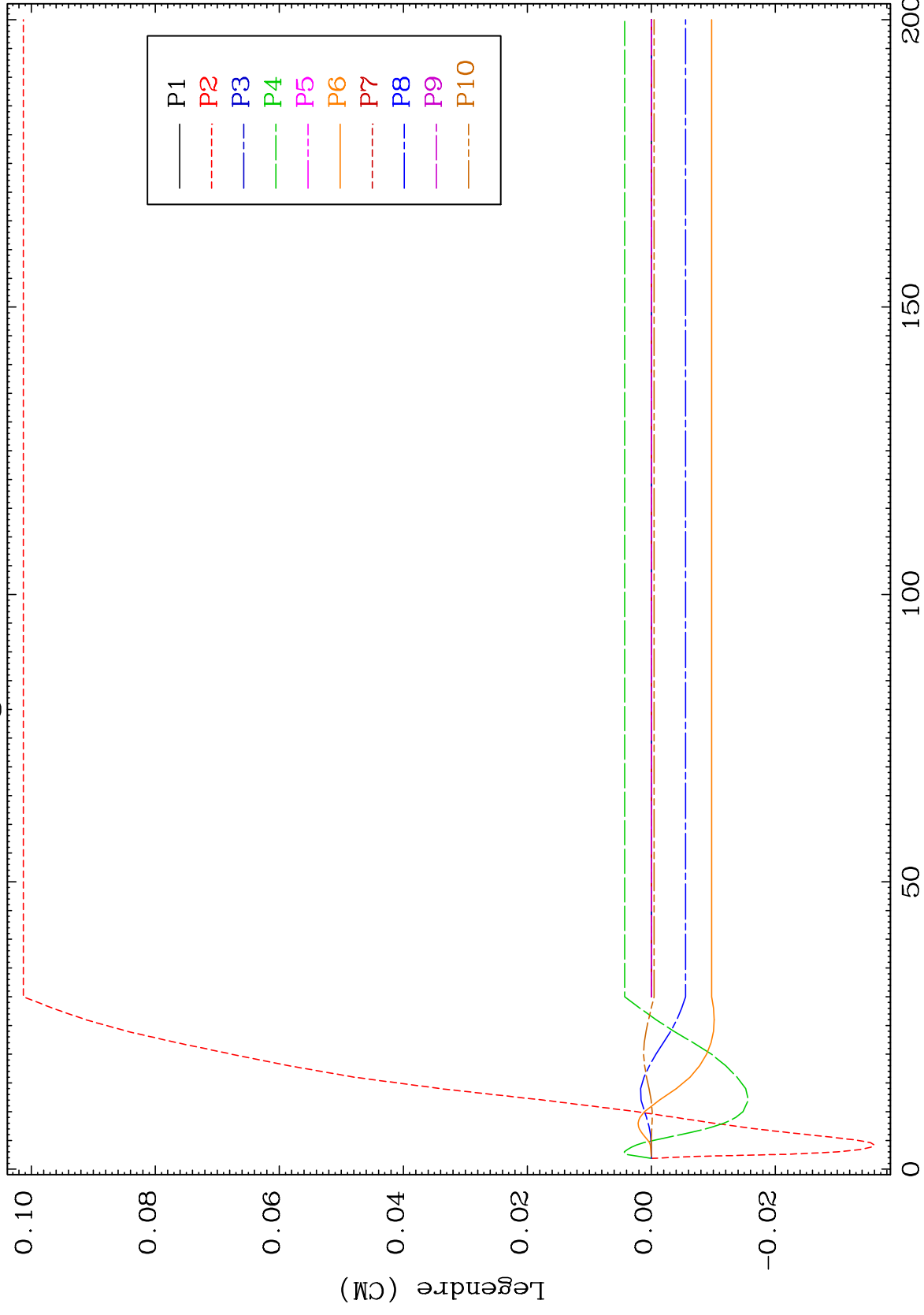
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



114

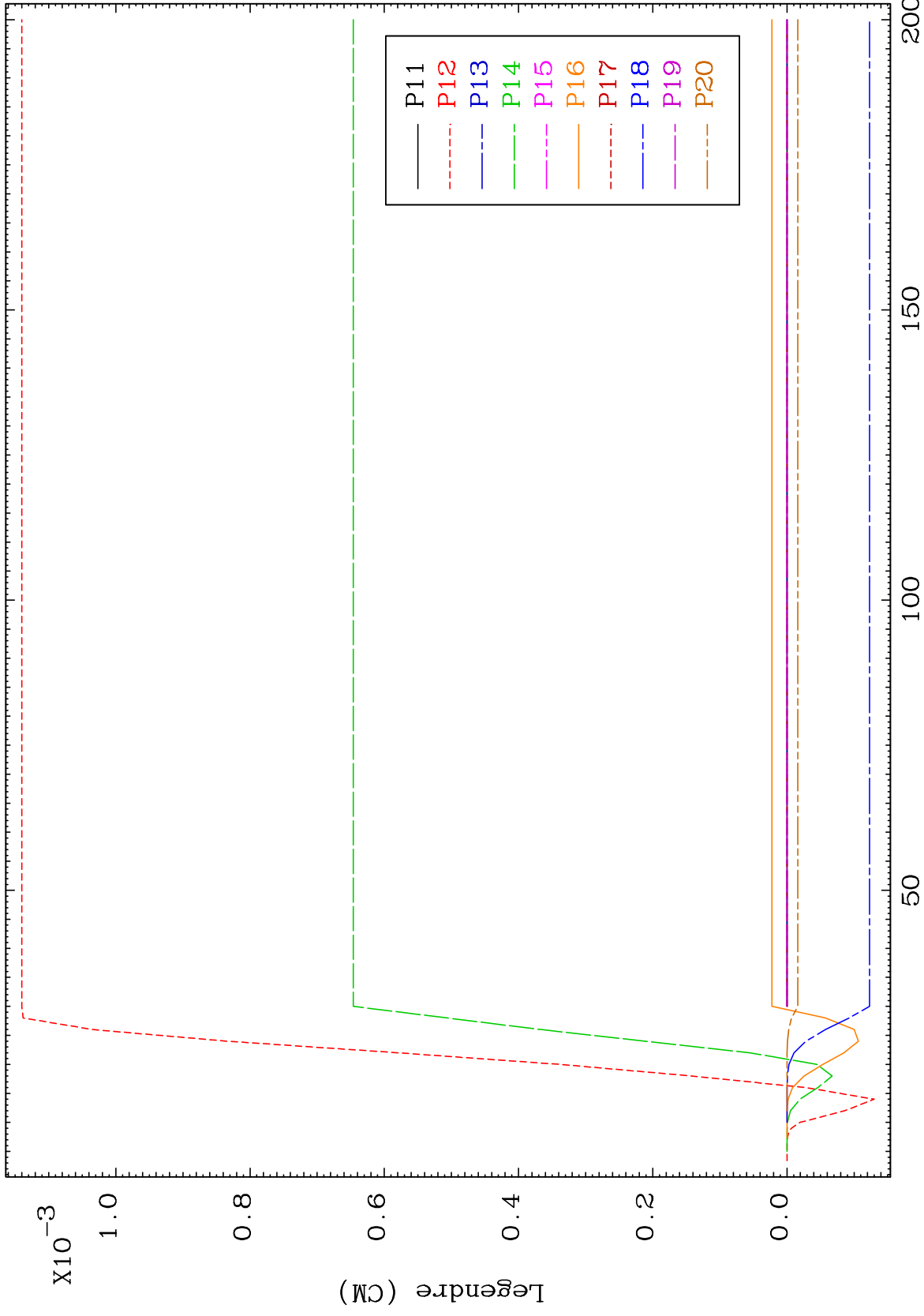
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

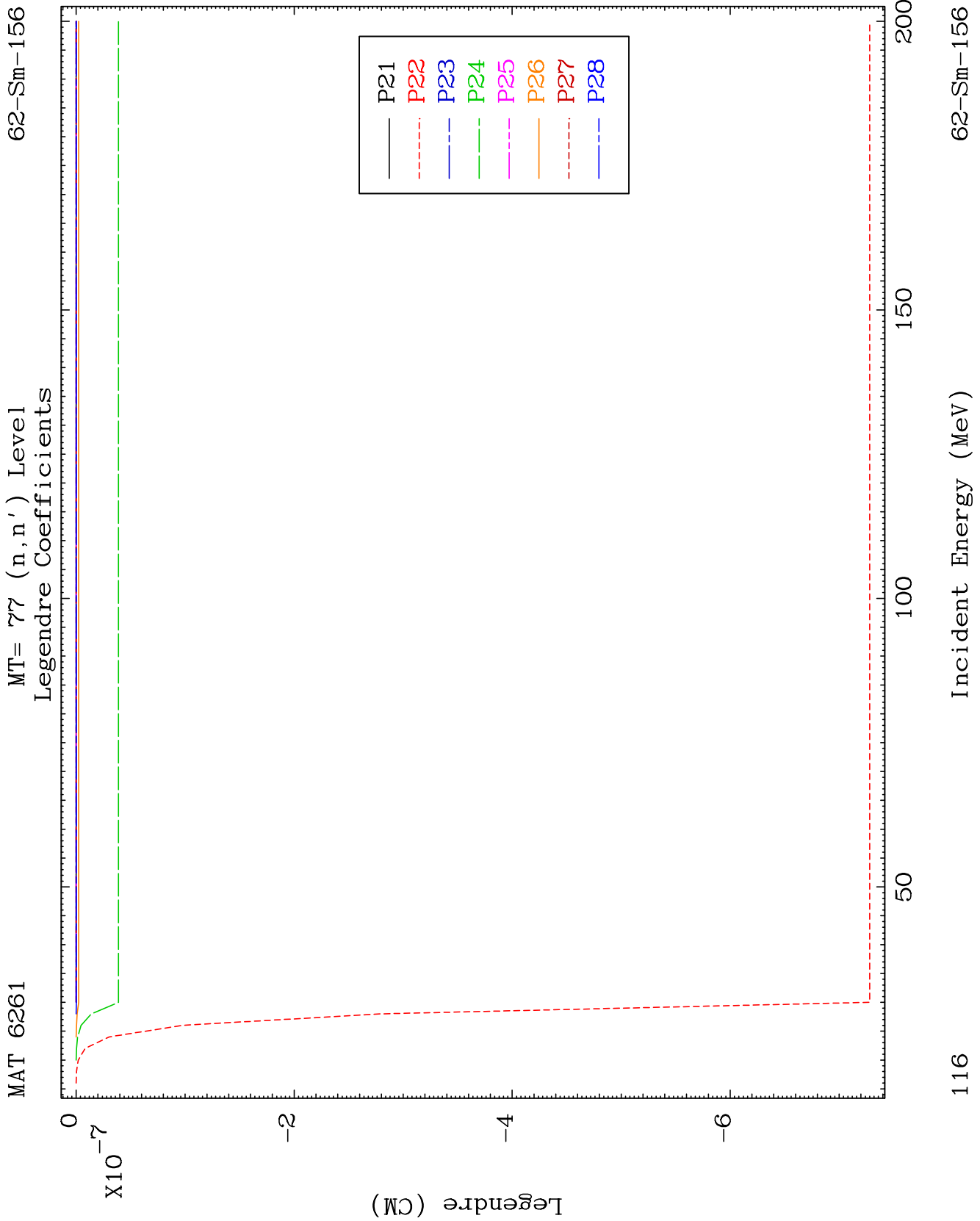
62-Sm-156

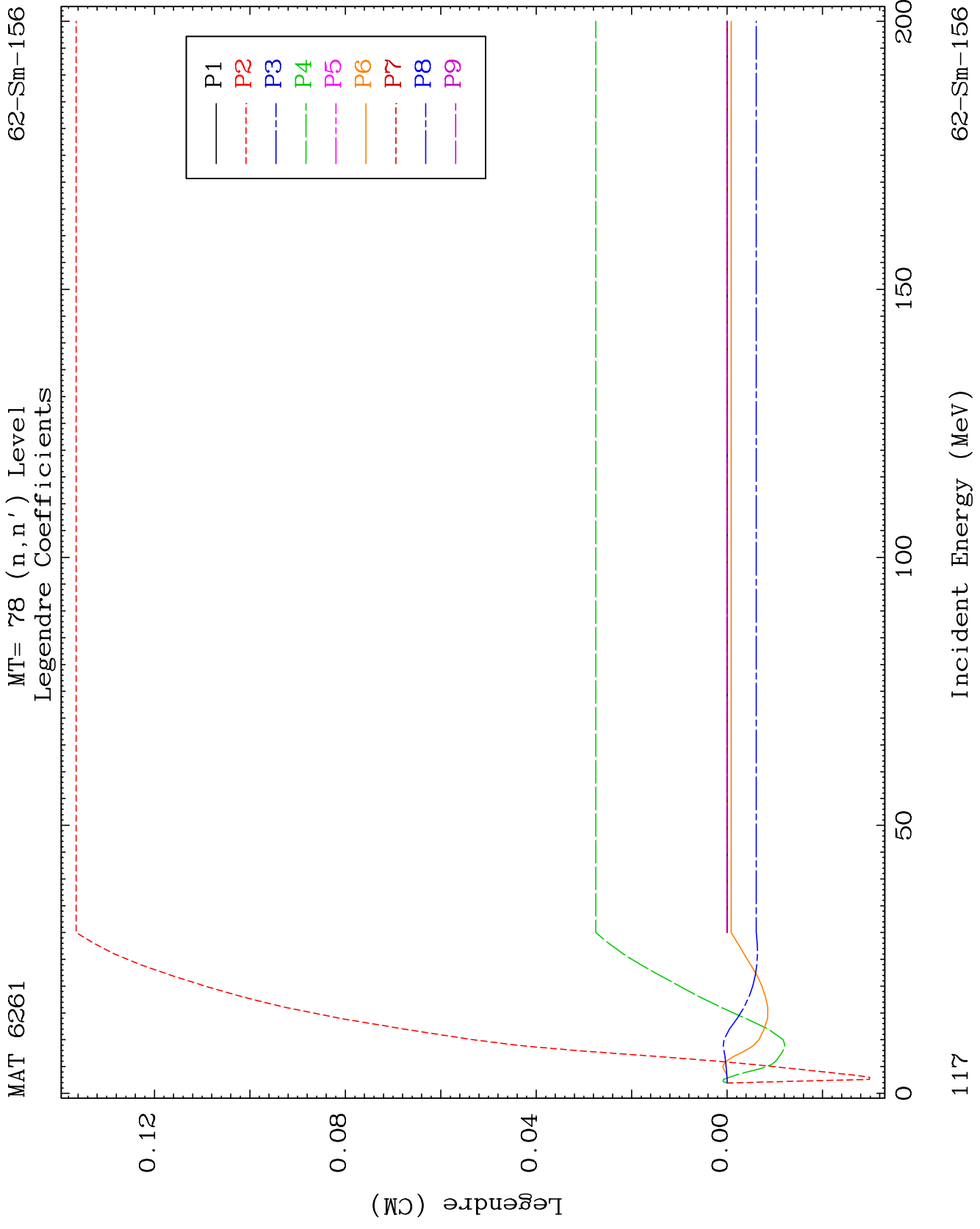


115

Incident Energy (MeV)

62-Sm-156

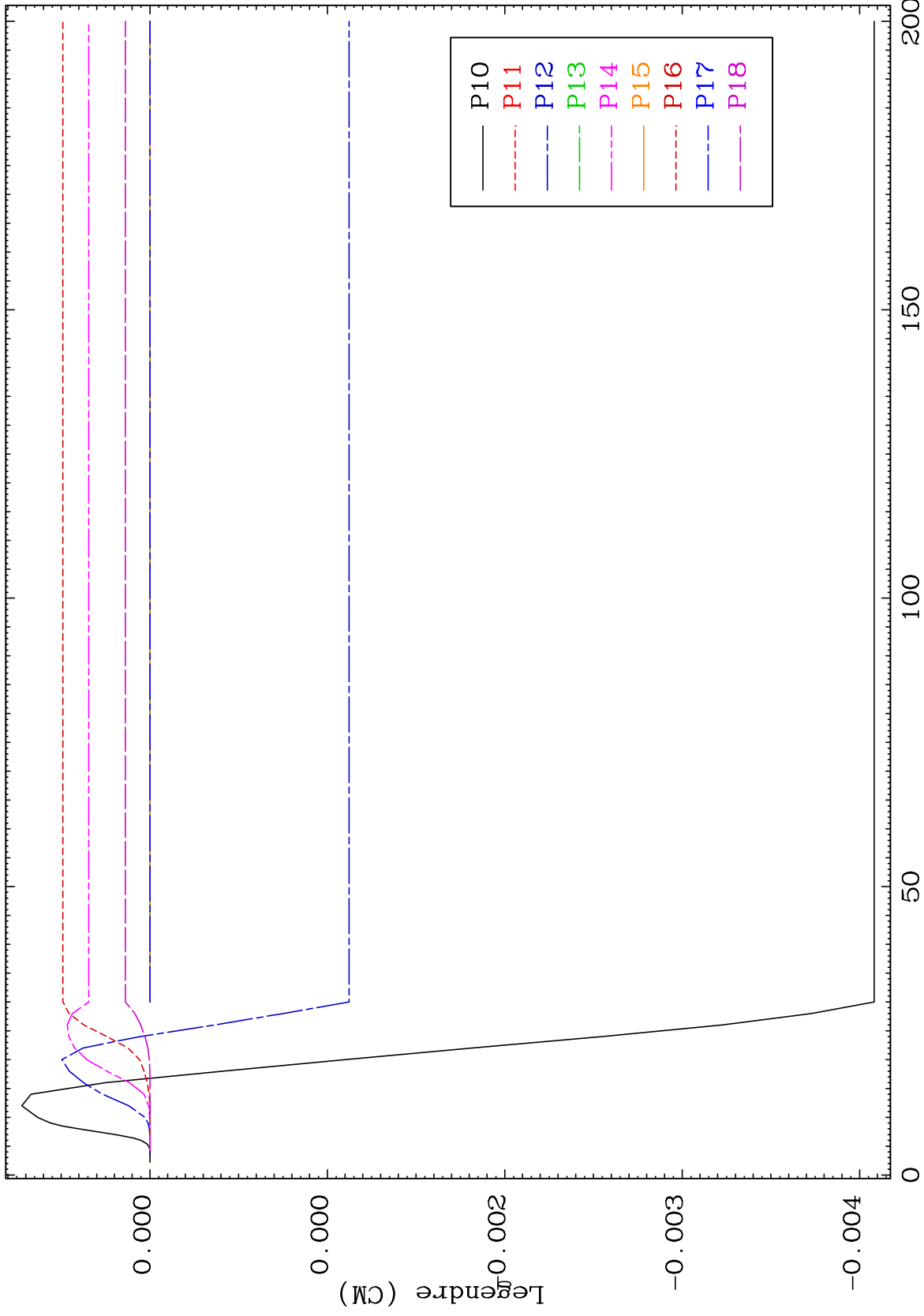




MAT 6261

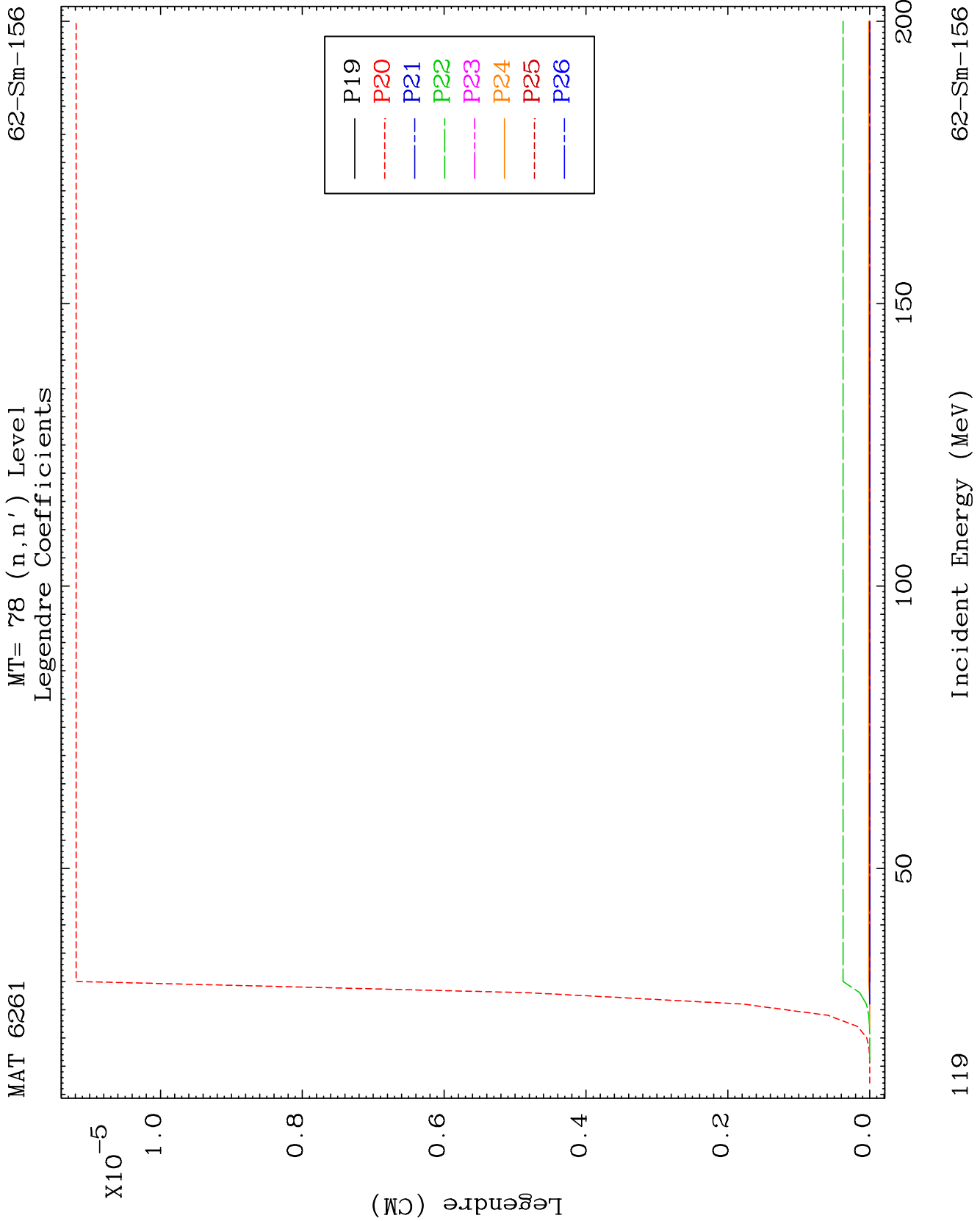
MT= 78 (n,n') Level
Legendre Coefficients

62-Sm-156



118

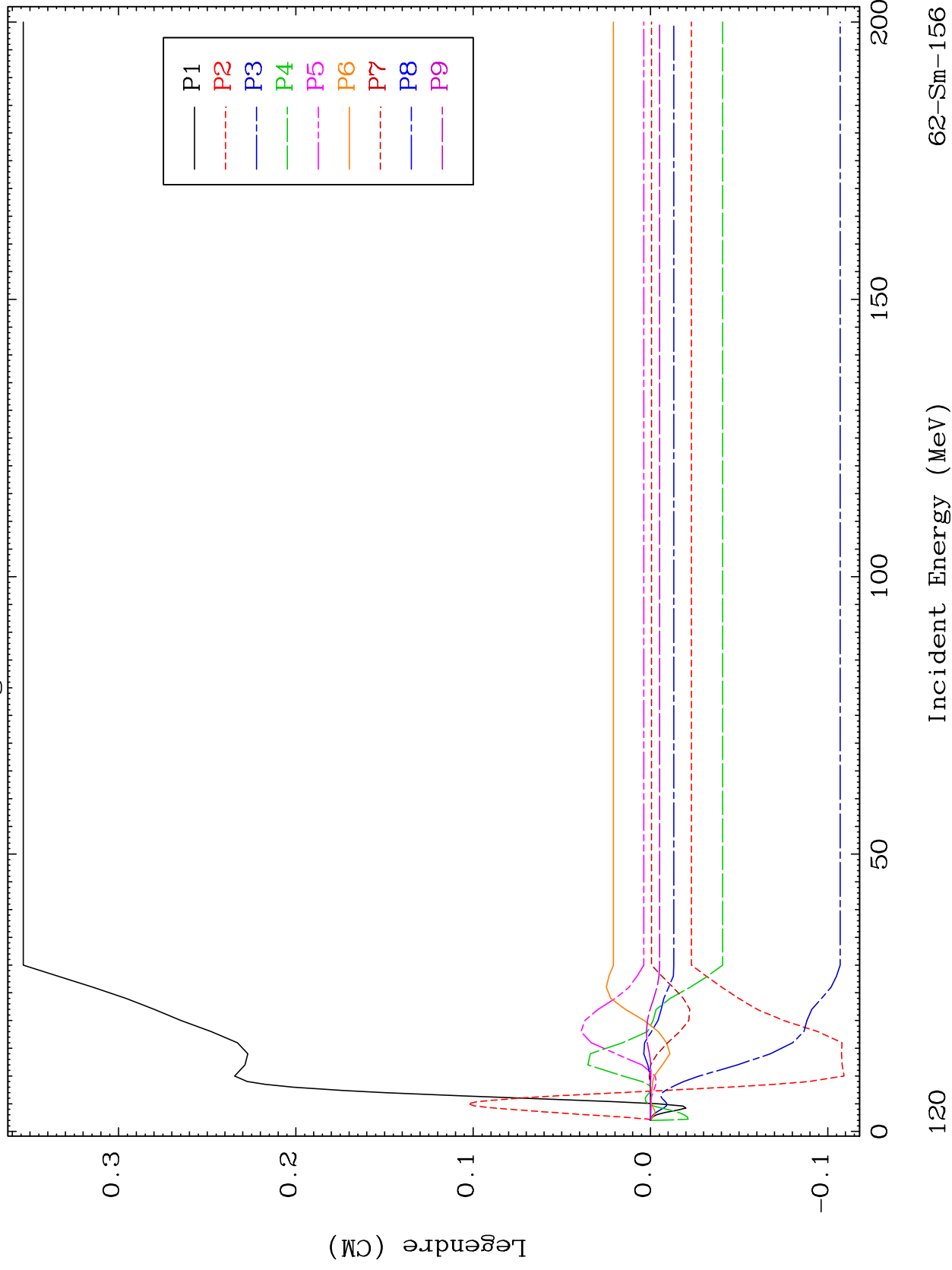
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

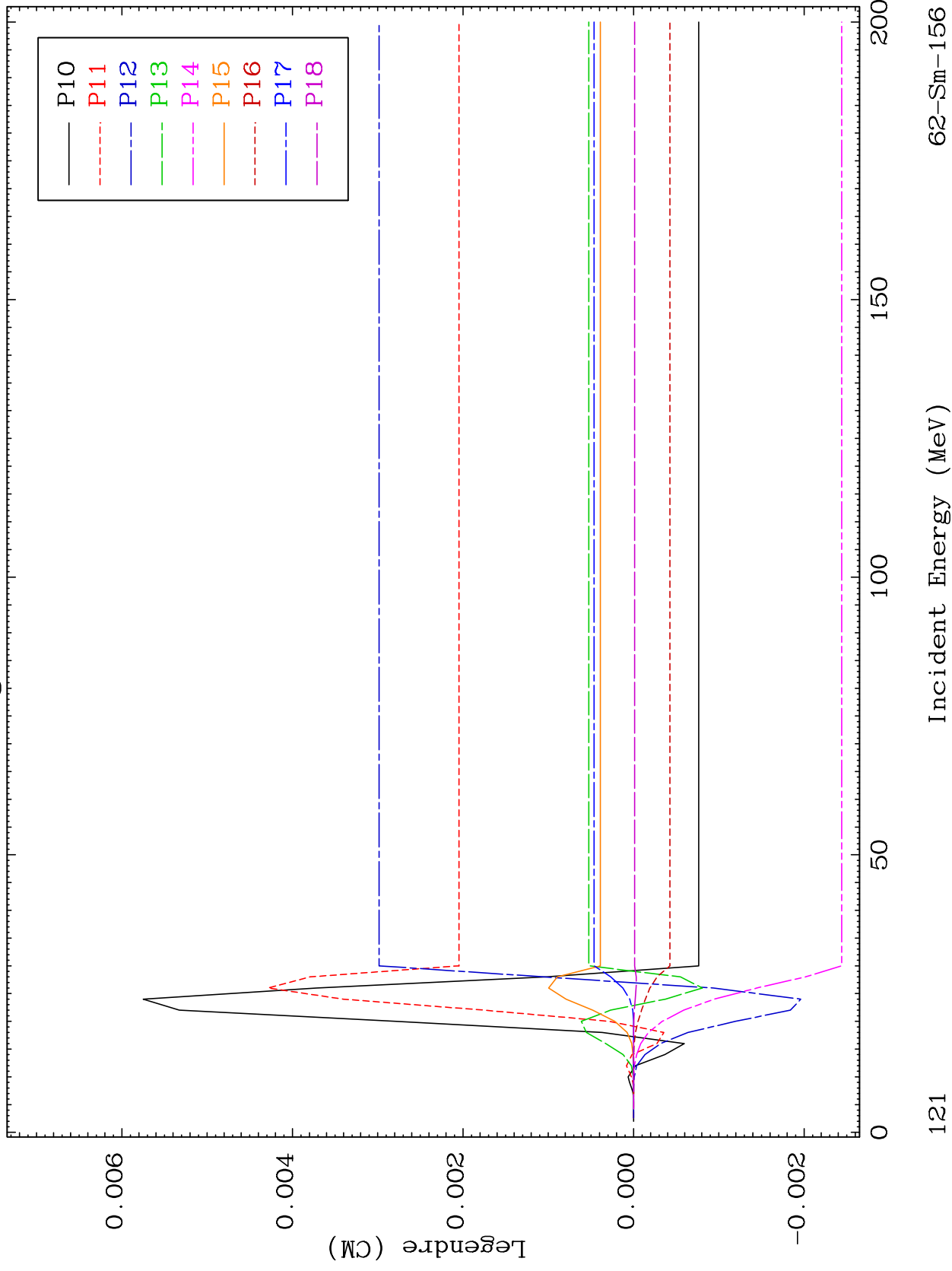
Incident Energy (MeV)

120

MAT 6261

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

62-Sm-156



121

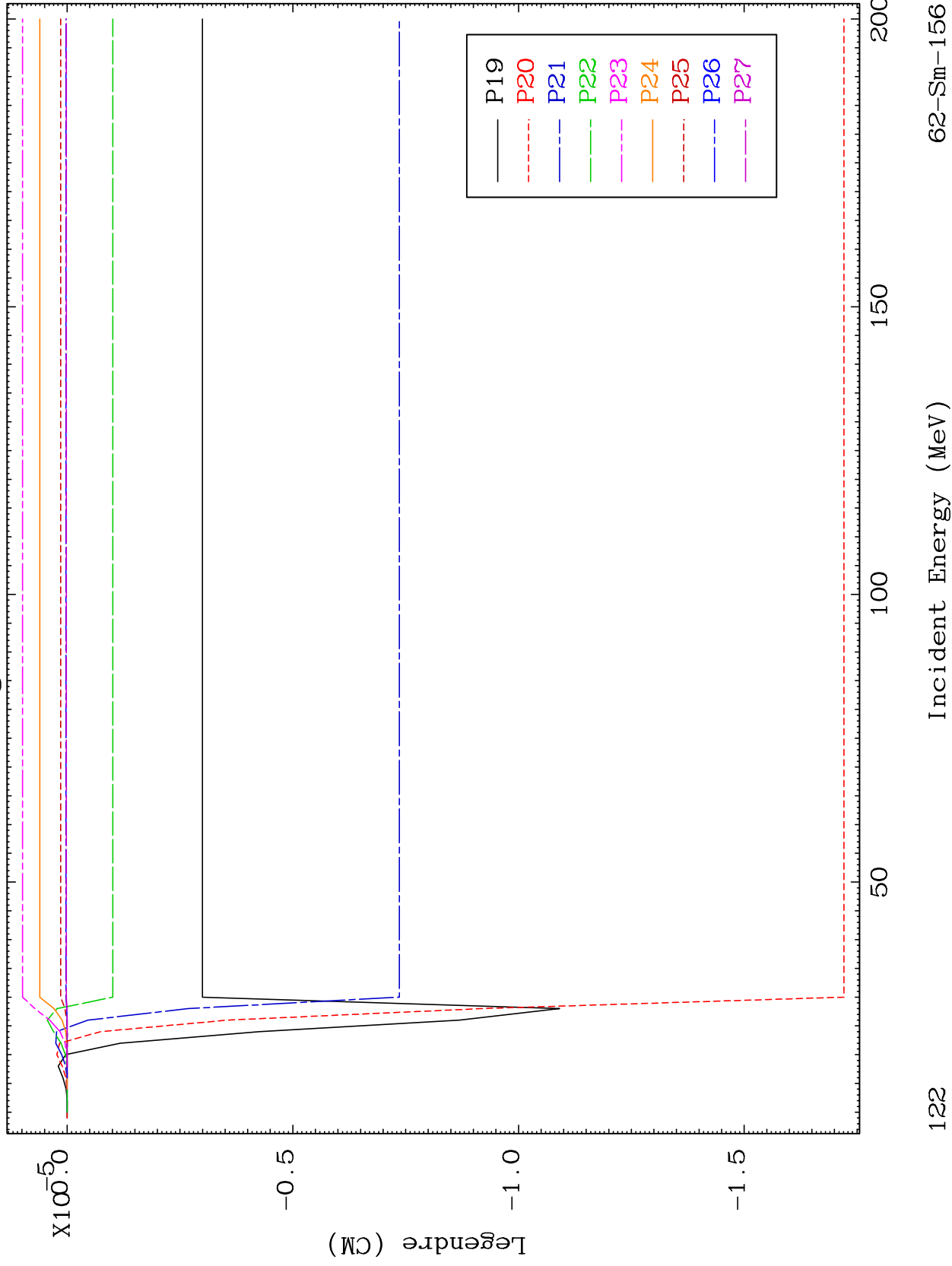
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

62-Sm-156



122

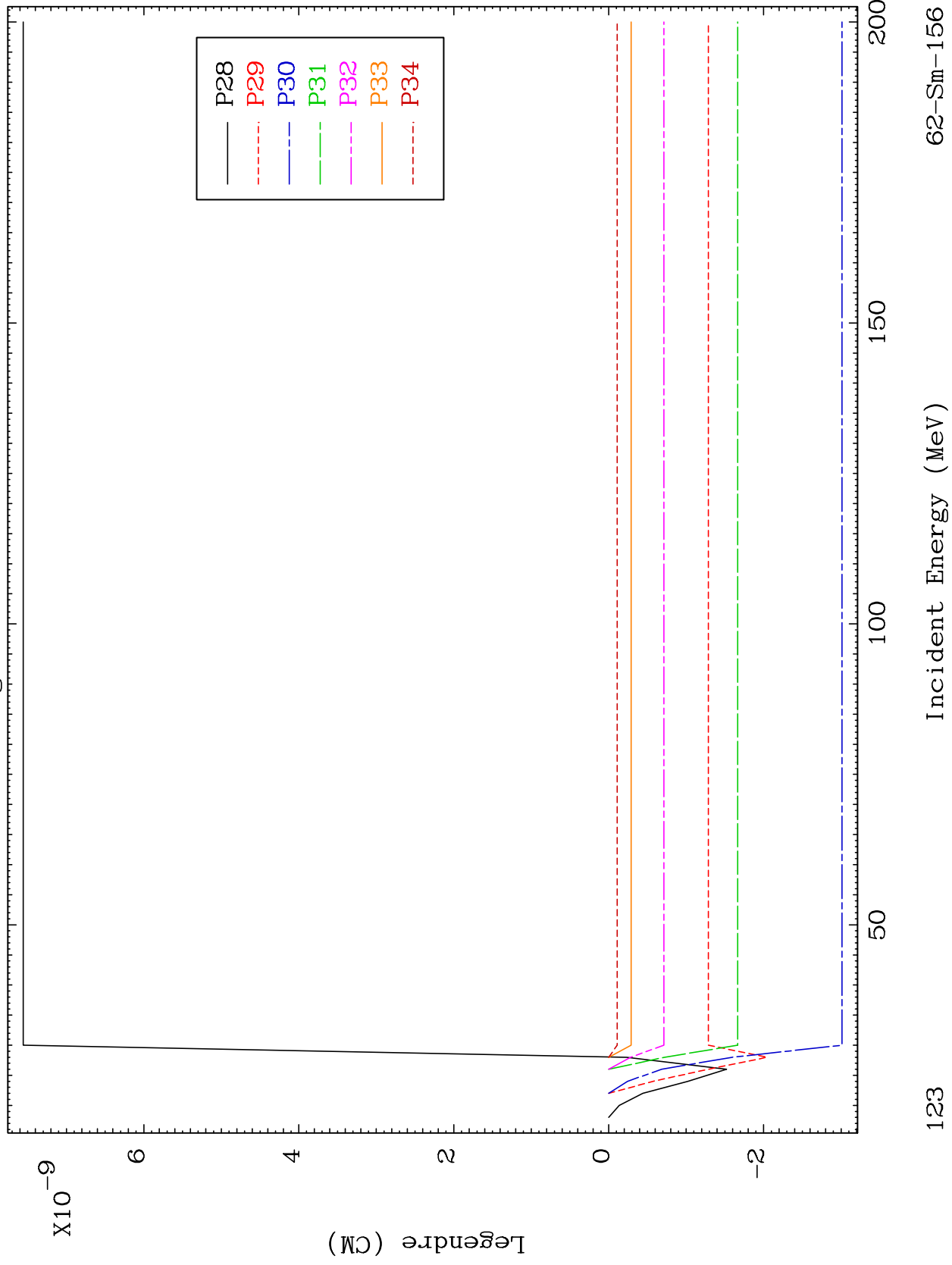
Incident Energy (MeV)

62-Sm-156

MAT 6261

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

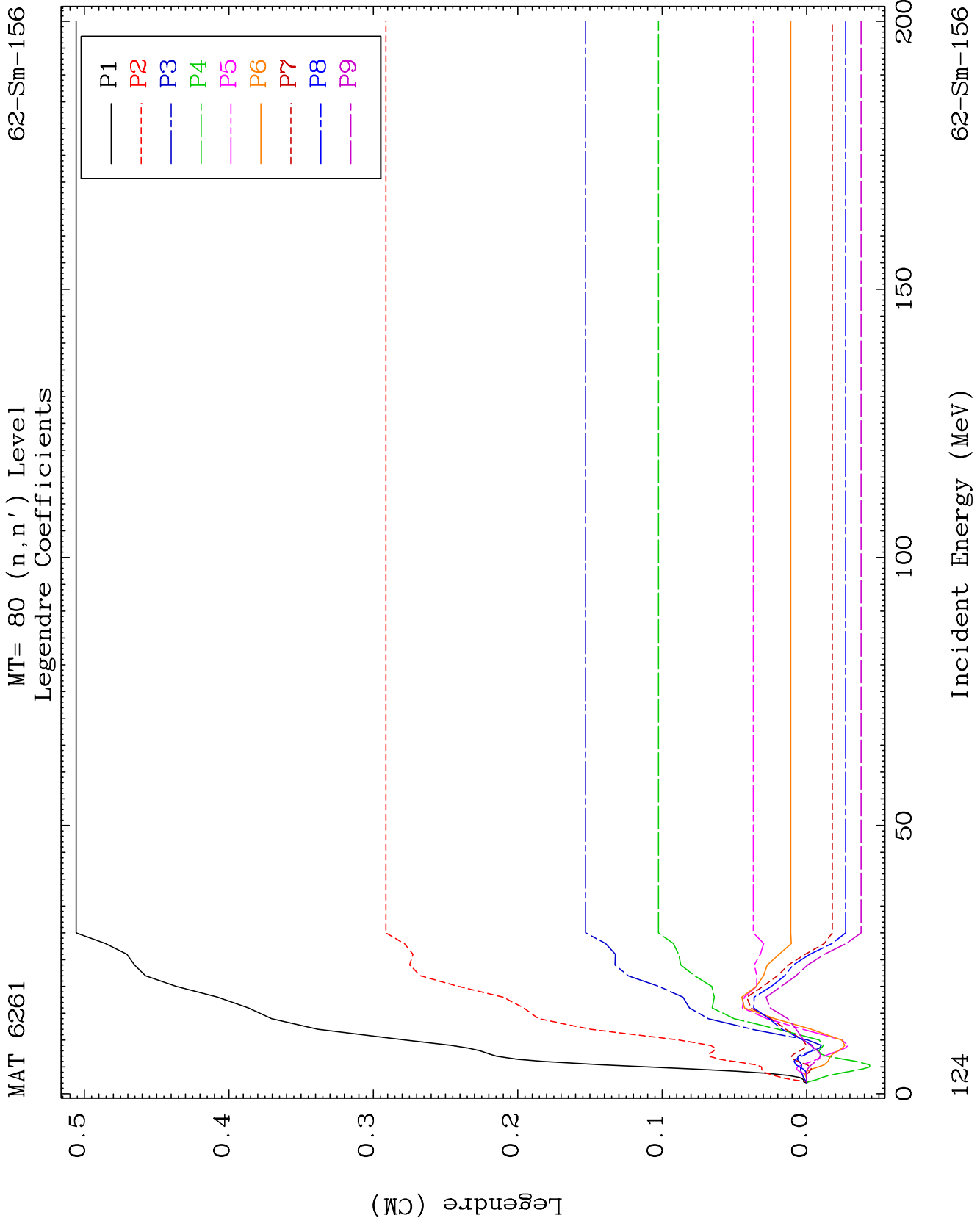
62-Sm-156



123

Incident Energy (MeV)

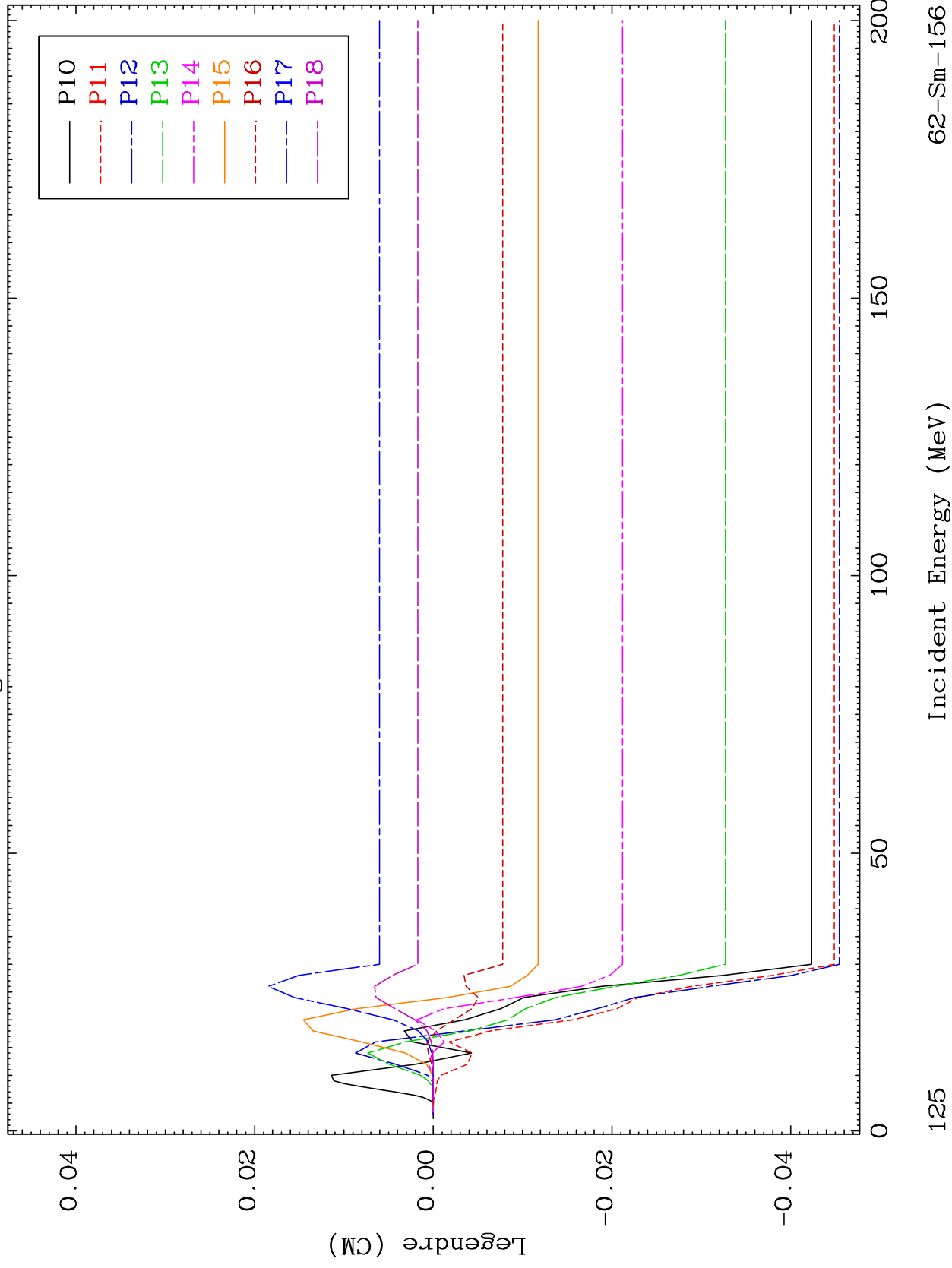
62-Sm-156



MAT 6261

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

62-Sm-156



62-Sm-156

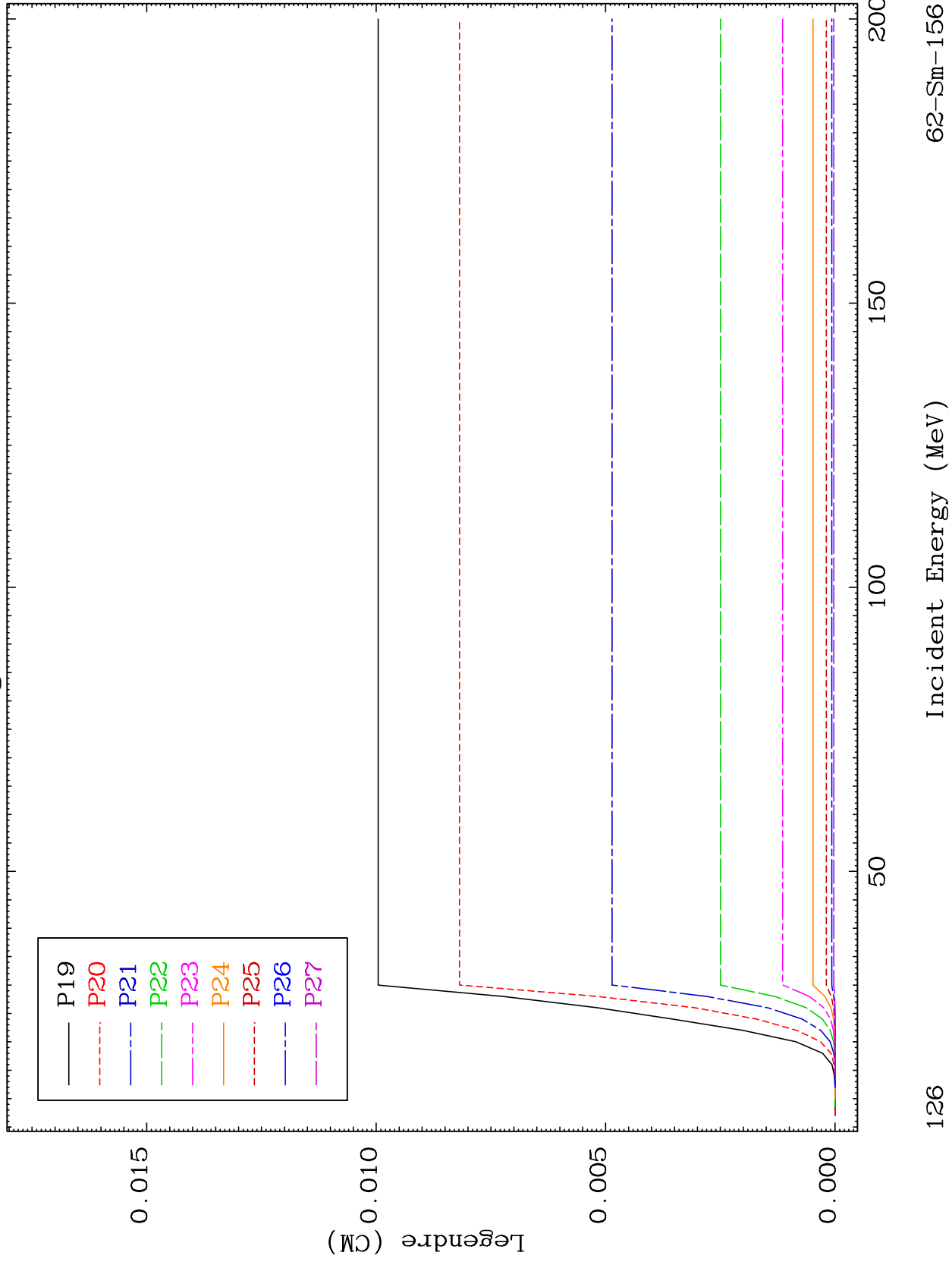
Incident Energy (MeV)

125

MAT 6261

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

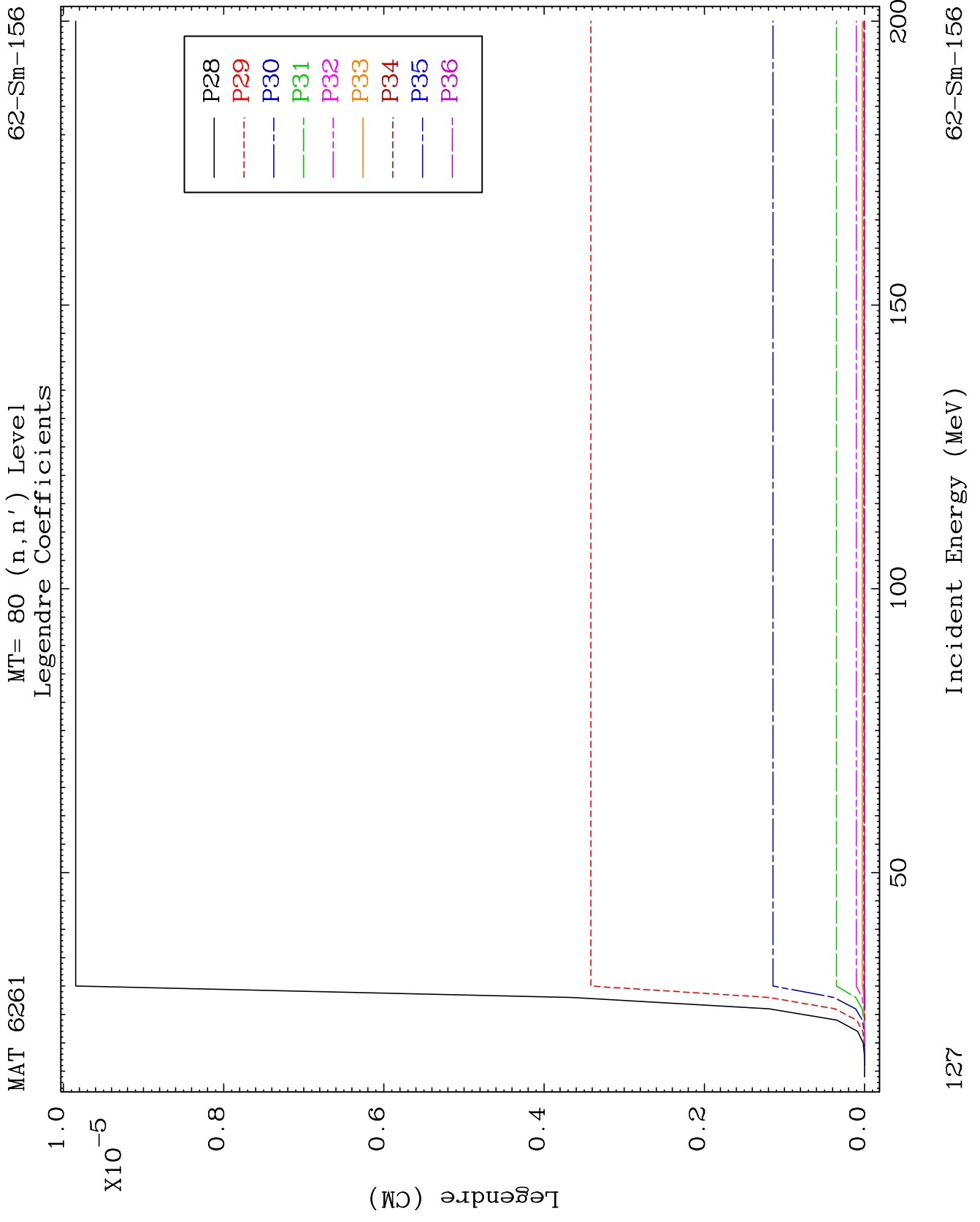
62-Sm-156



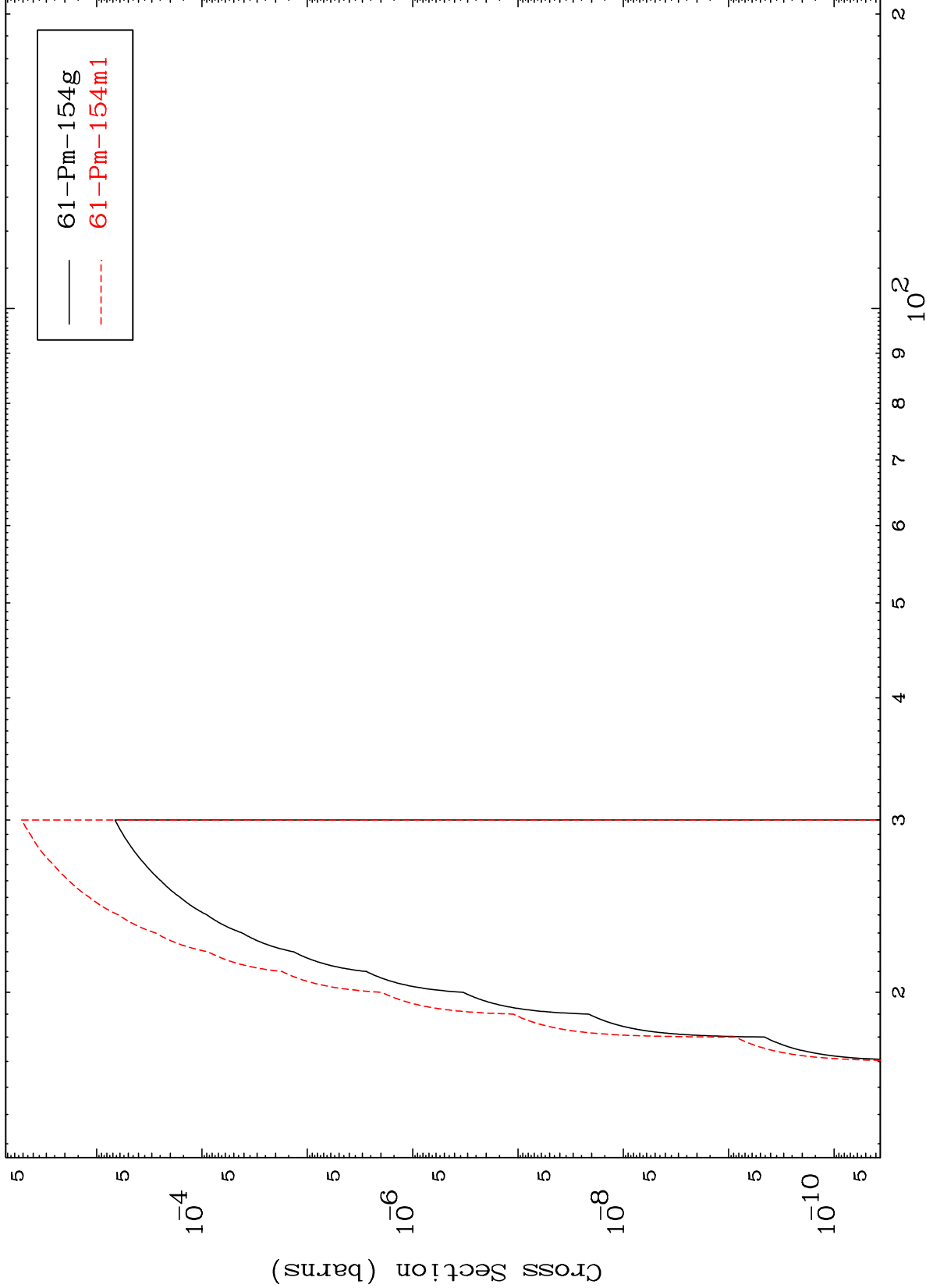
126

Incident Energy (MeV)

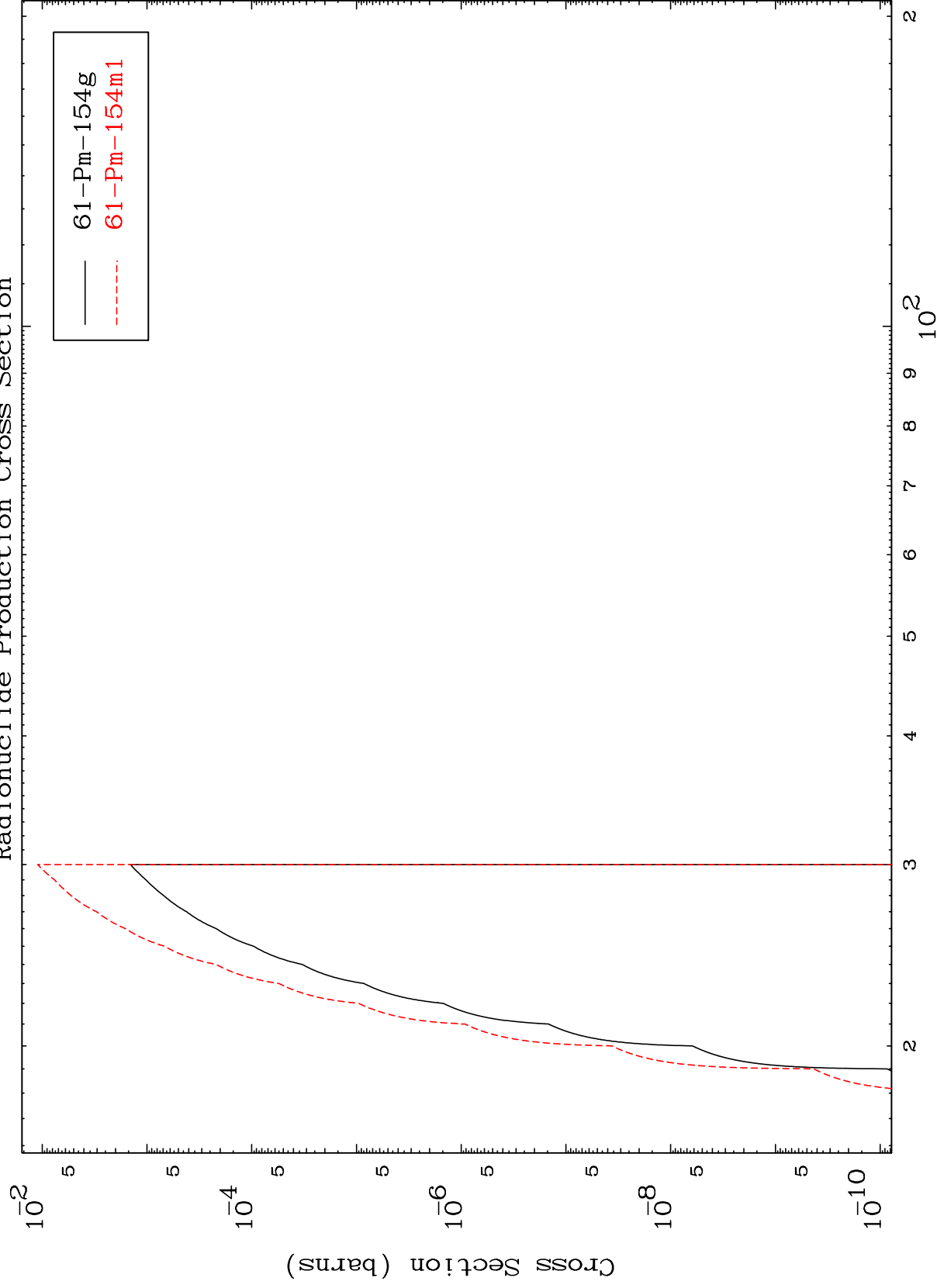
62-Sm-156



Radionuclide Production Cross Section



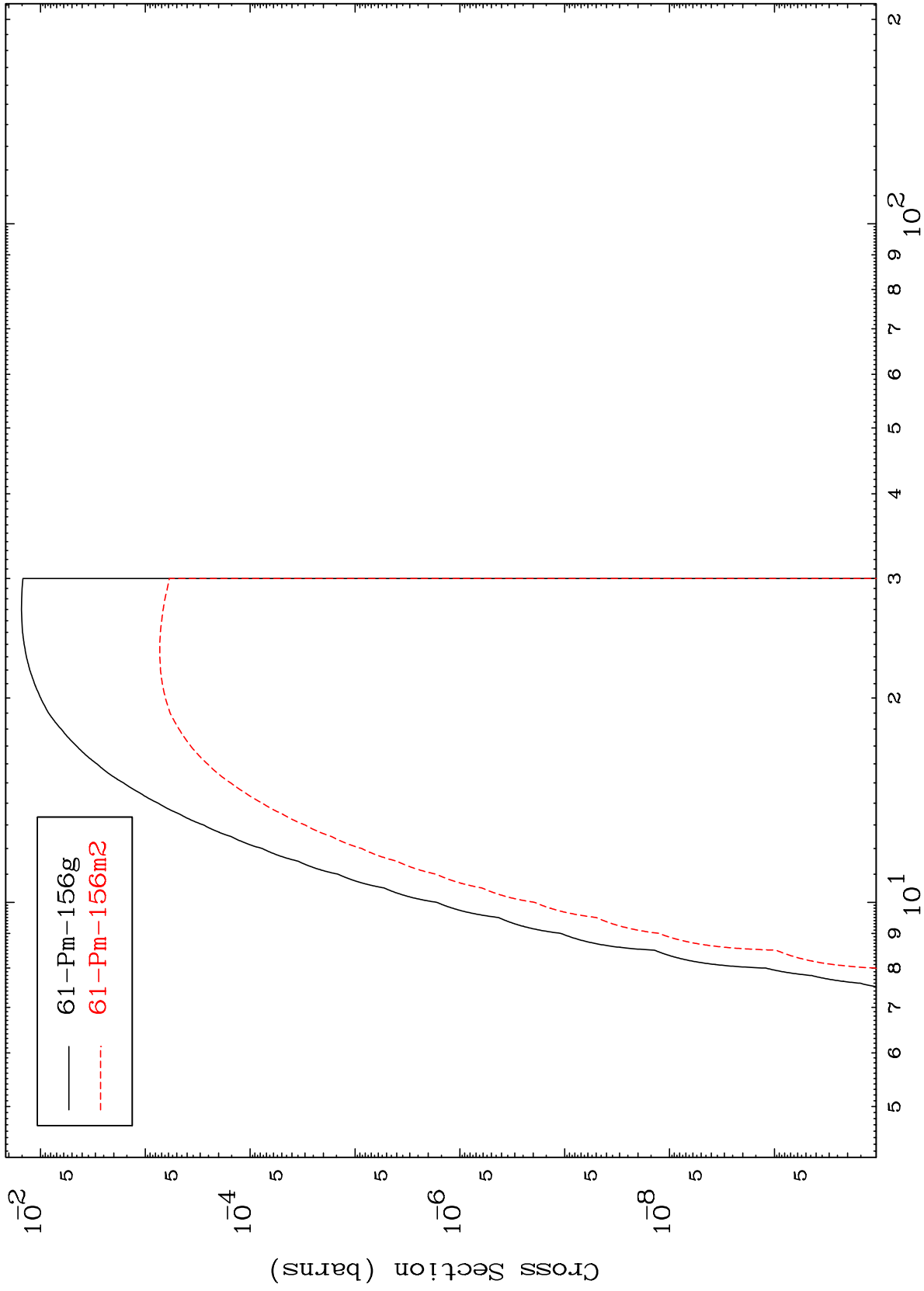
(n,2n) p
Radionuclide Production Cross Section



MAT 6261

62-Sm-156

(n,p)
Radionuclide Production Cross Section



130

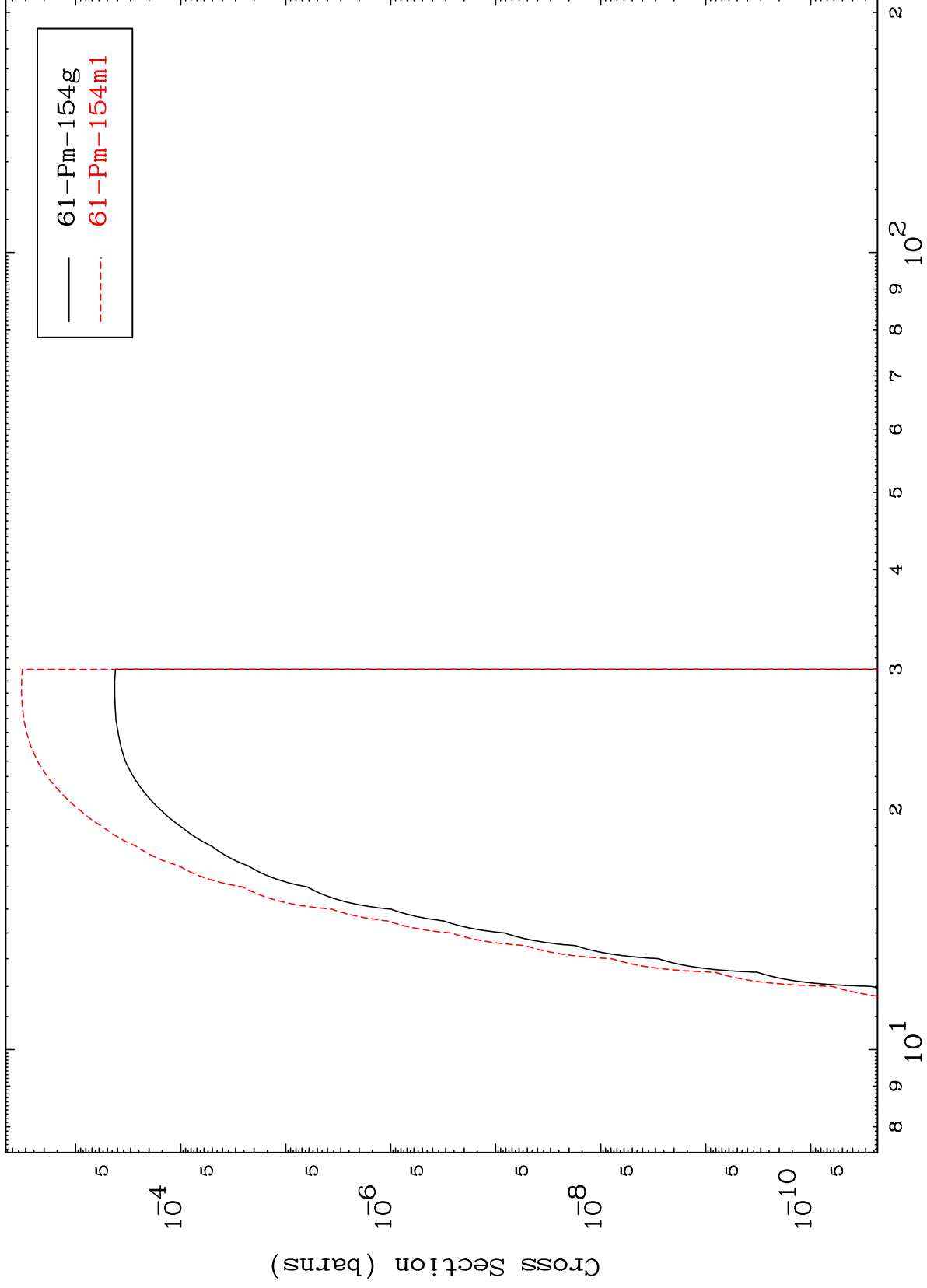
Incident Energy (MeV)

62-Sm-156

MAT 6261

62-Sm-156

(n, t)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

62-Sm-156