

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

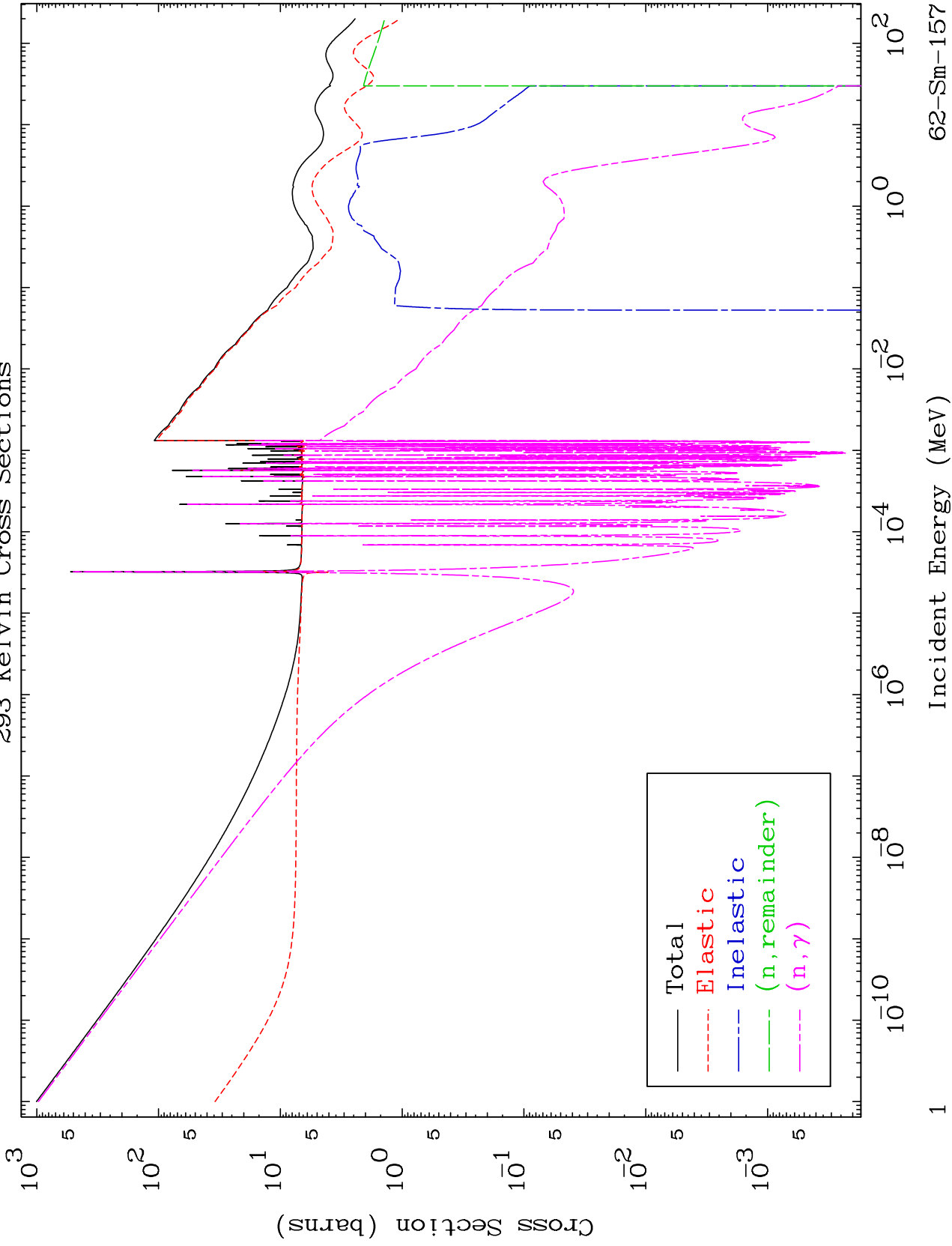
Press Mouse Button to Start

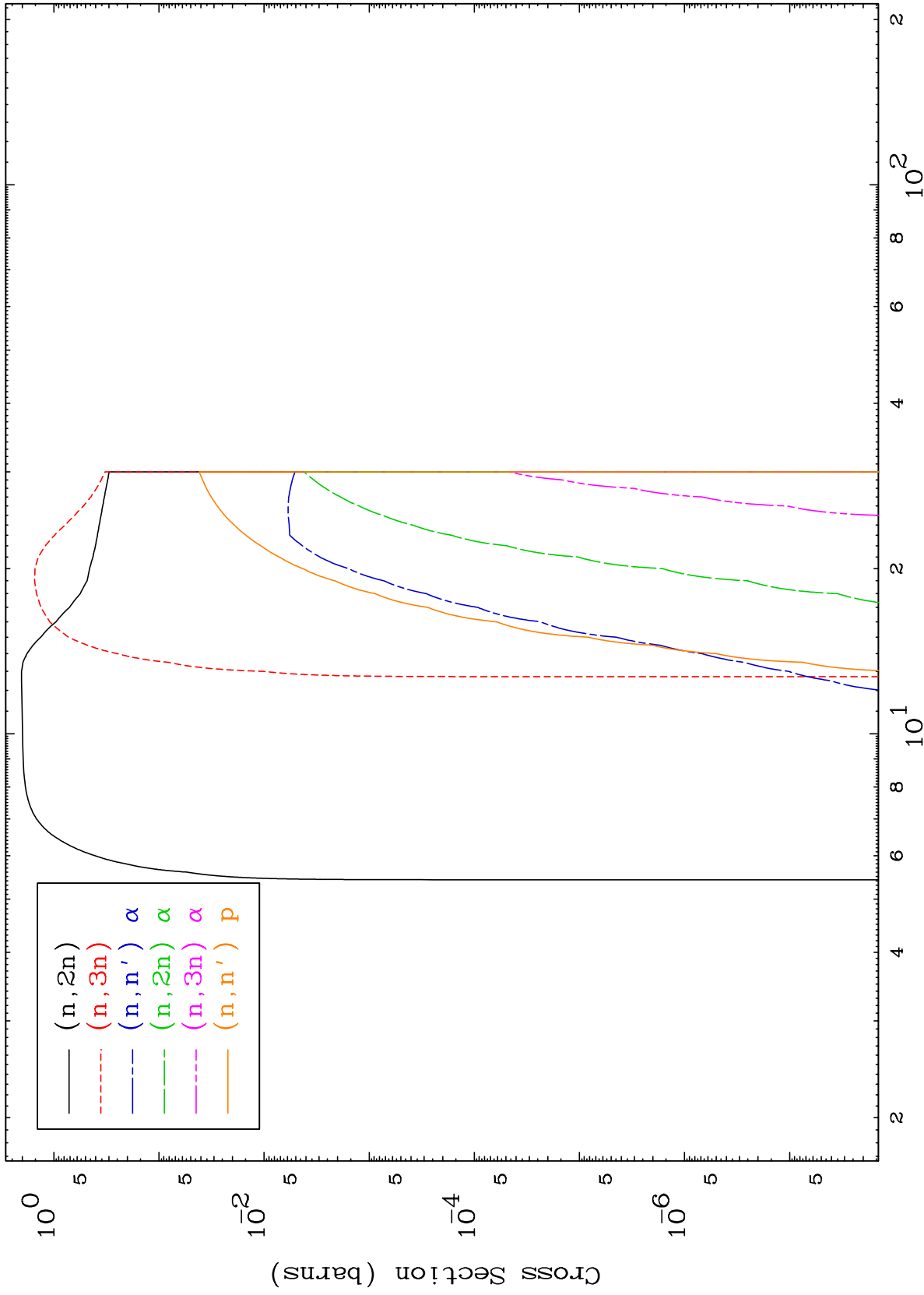
MAT 6264

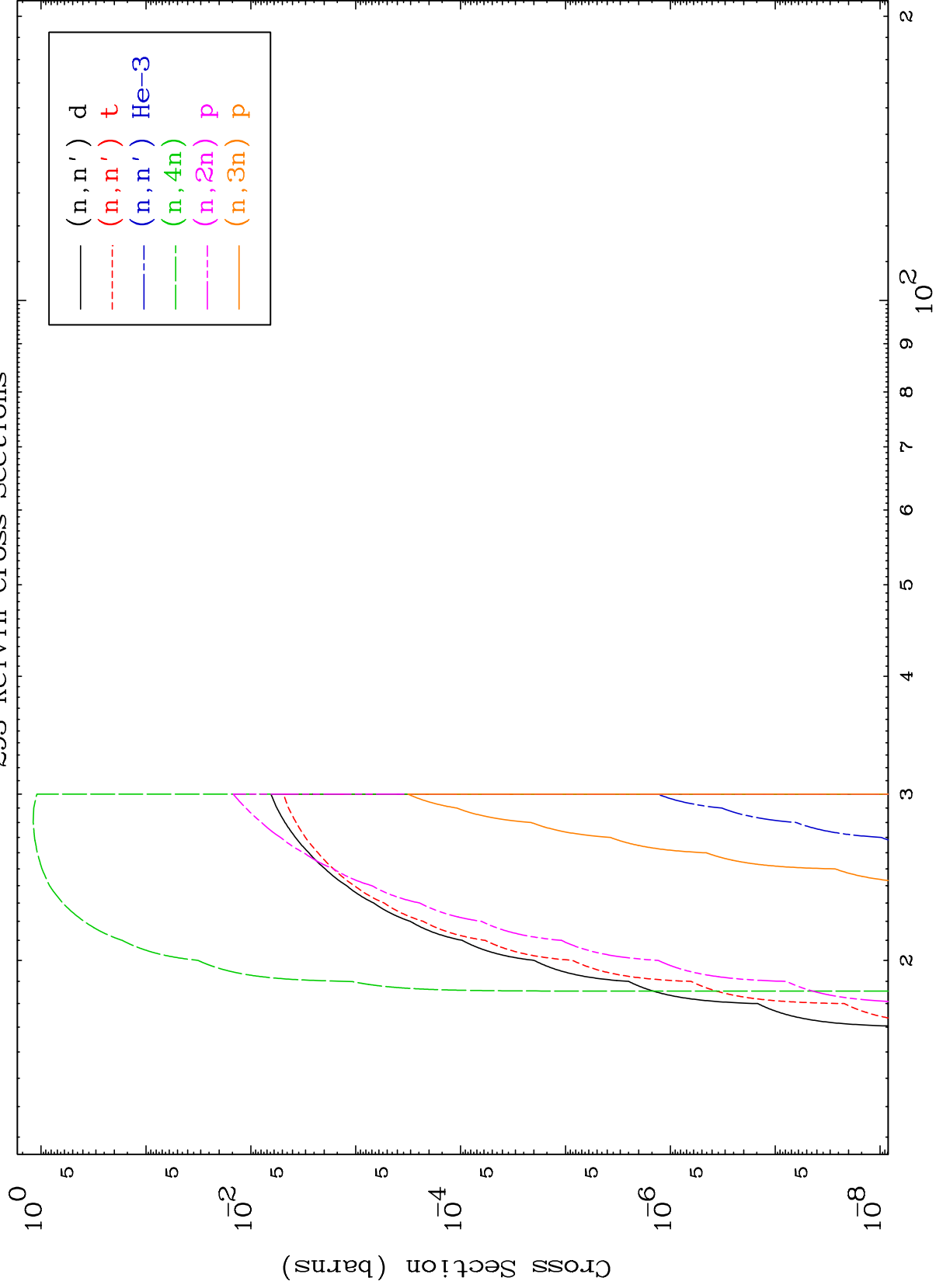
Major

293 Kelvin Cross Sections

62-Sm-157



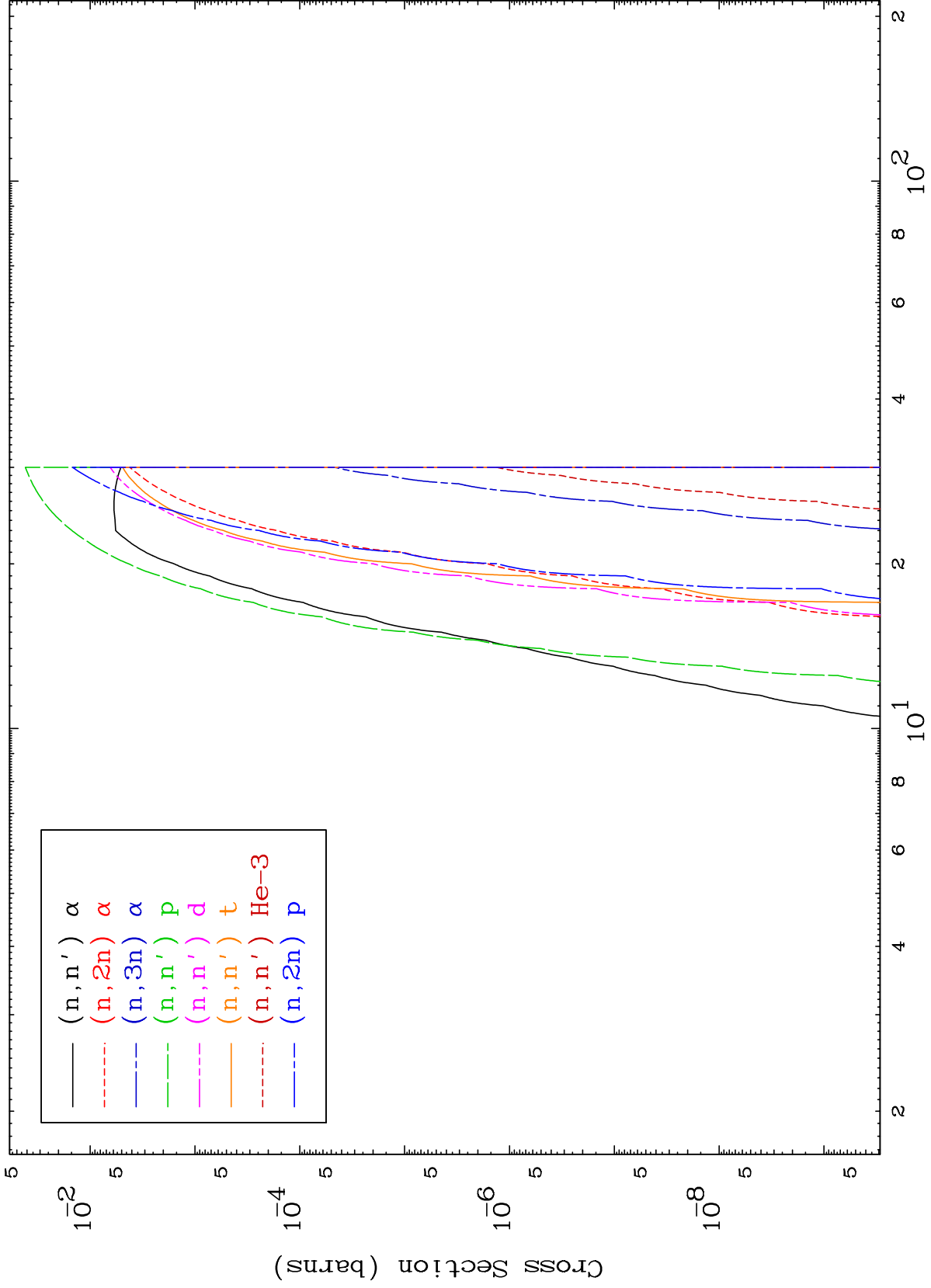




MAT 6264

Charged Particle  
293 Kelvin Cross Sections

62-Sm-157



4

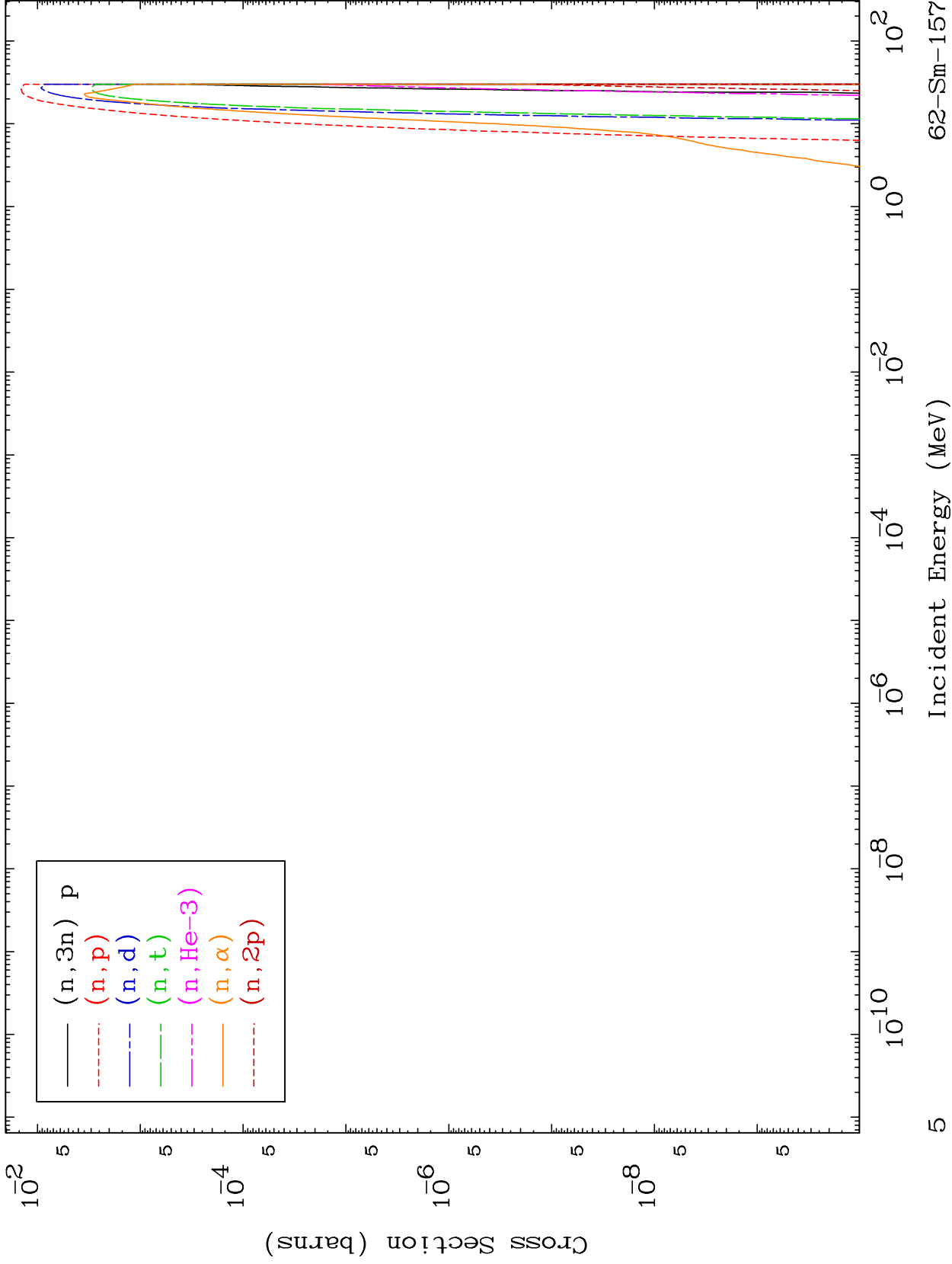
Incident Energy (MeV)

62-Sm-157

MAT 6264

Charged Particle  
293 Kelvin Cross Sections

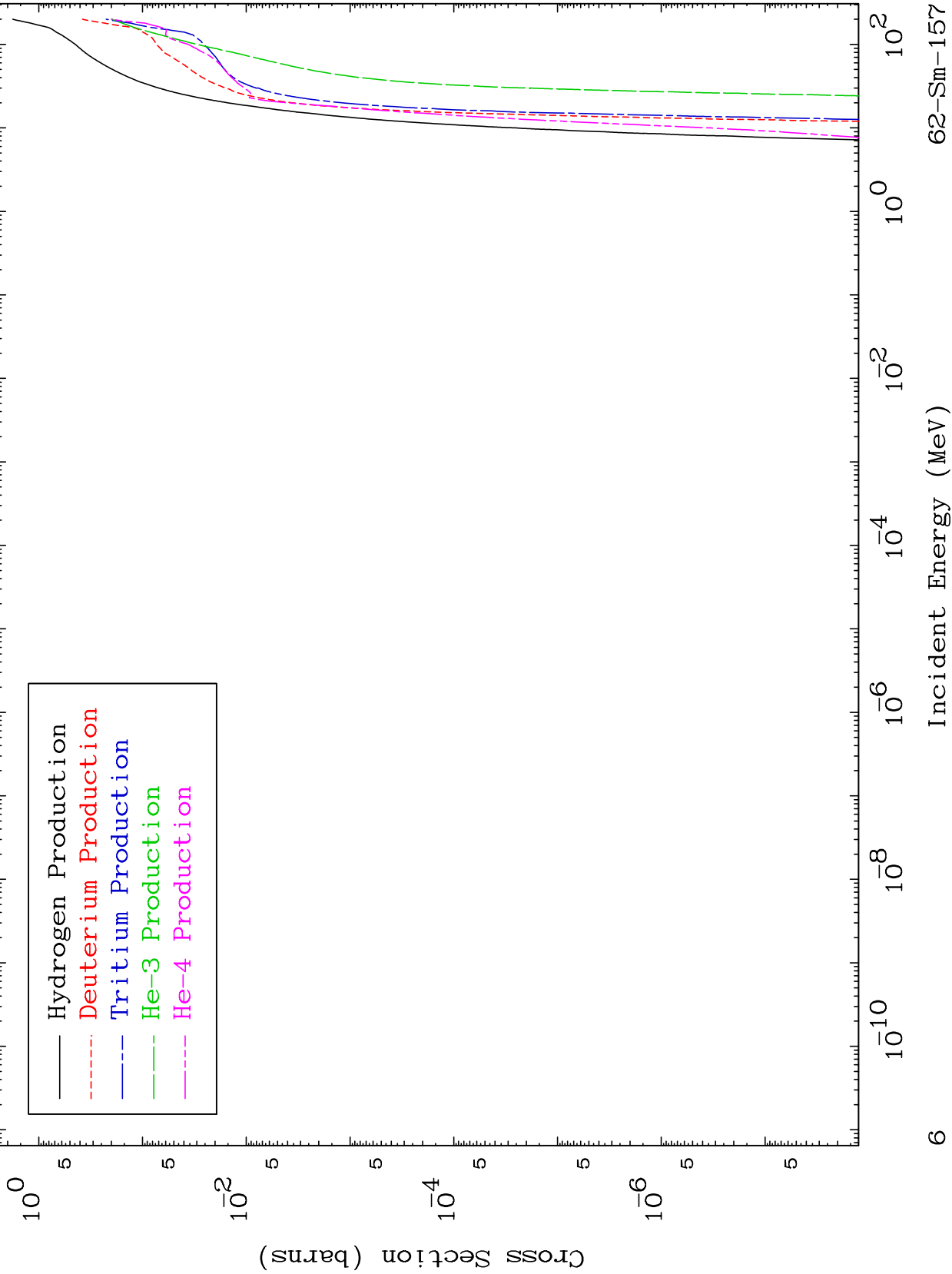
62-Sm-157



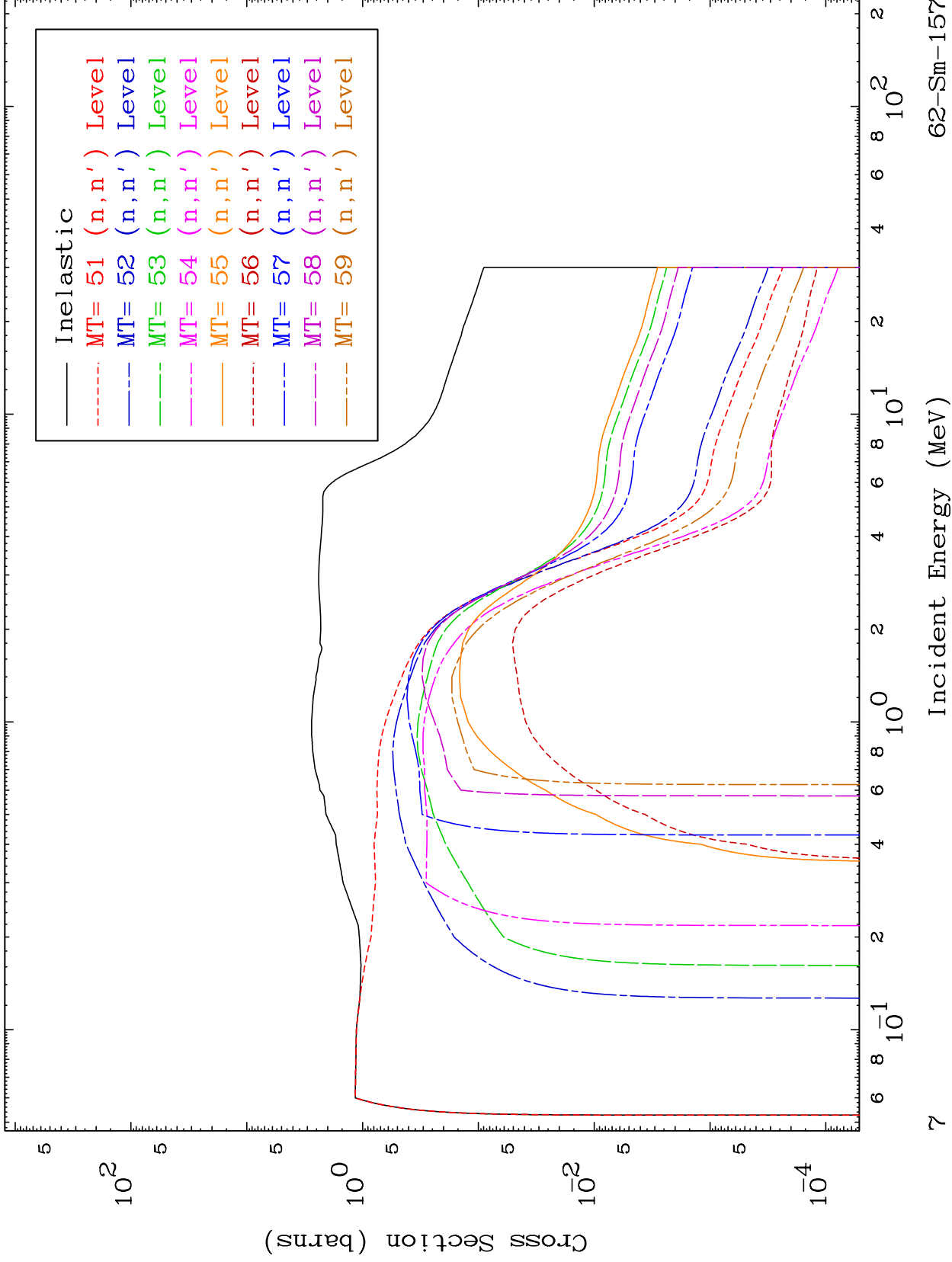
MAT 6264

Particle Production  
293 Kelvin Cross Sections

62-Sm-157



293 Kelvin Cross Sections



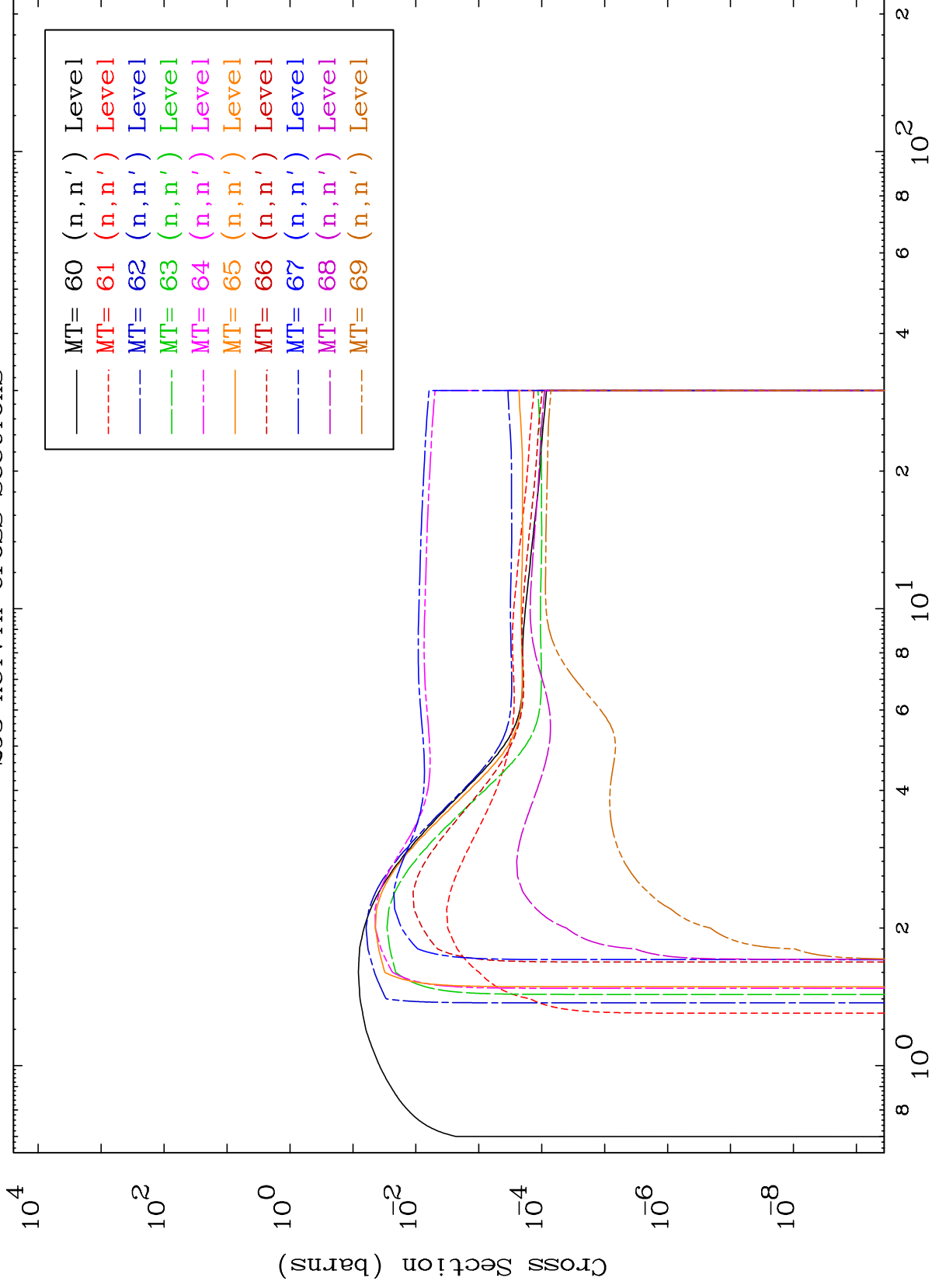


MAT 6264

(n,n') Level

62-Sm-157

293 Kelvin Cross Sections



8

Incident Energy (MeV)

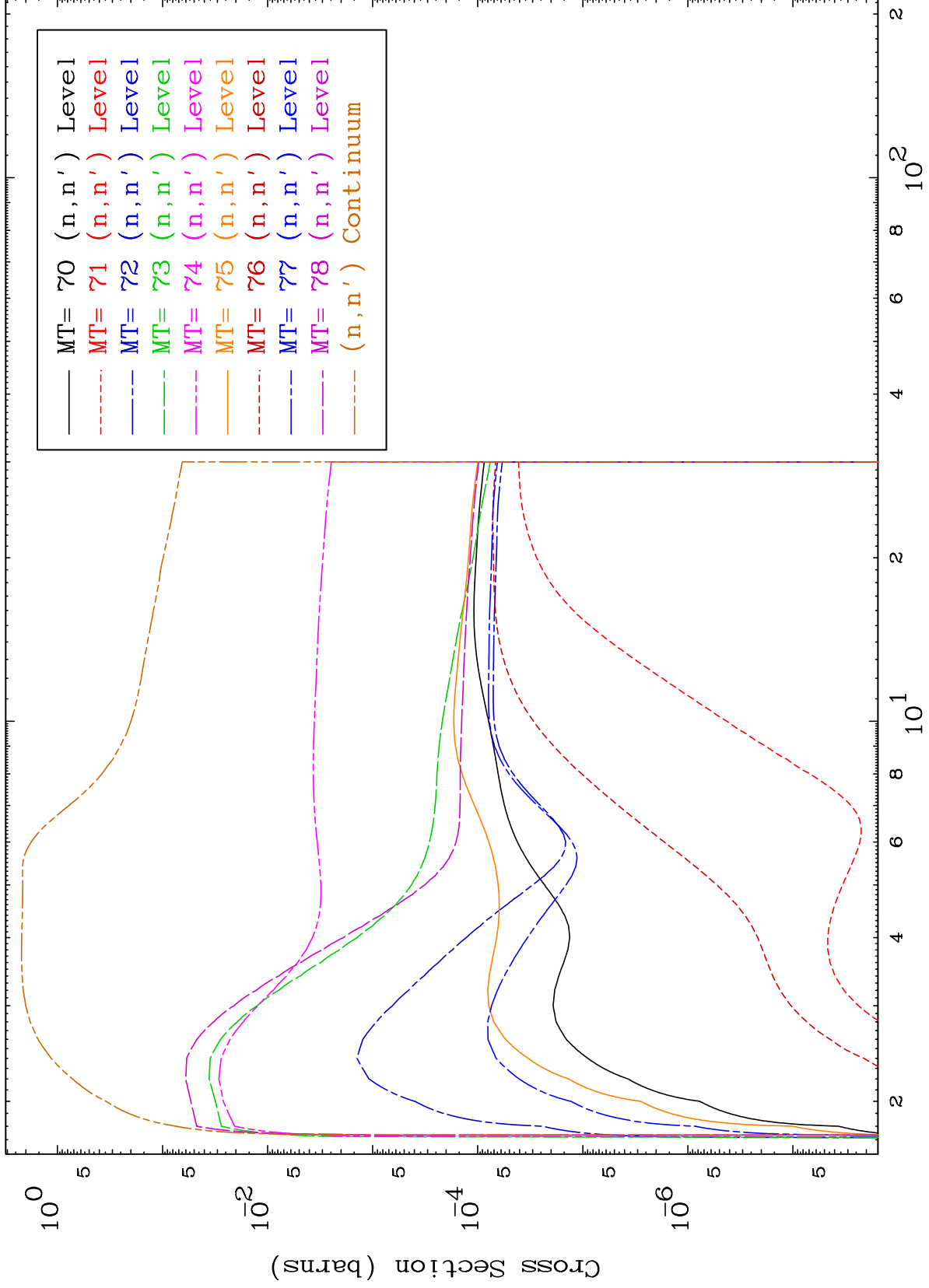
62-Sm-157

MAT 6264

(n,n') Level

62-Sm-157

293 Kelvin Cross Sections



9

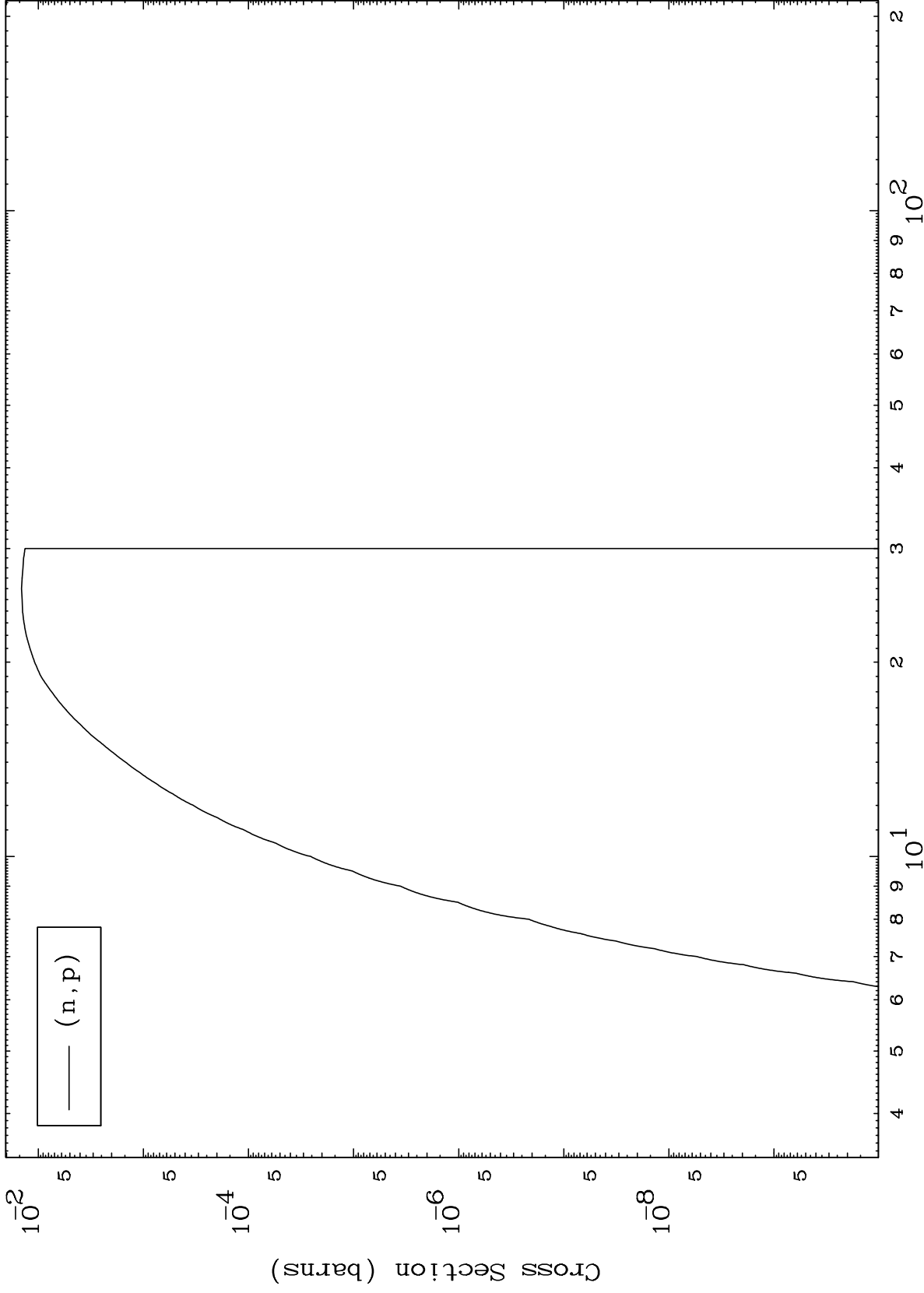
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-157



10

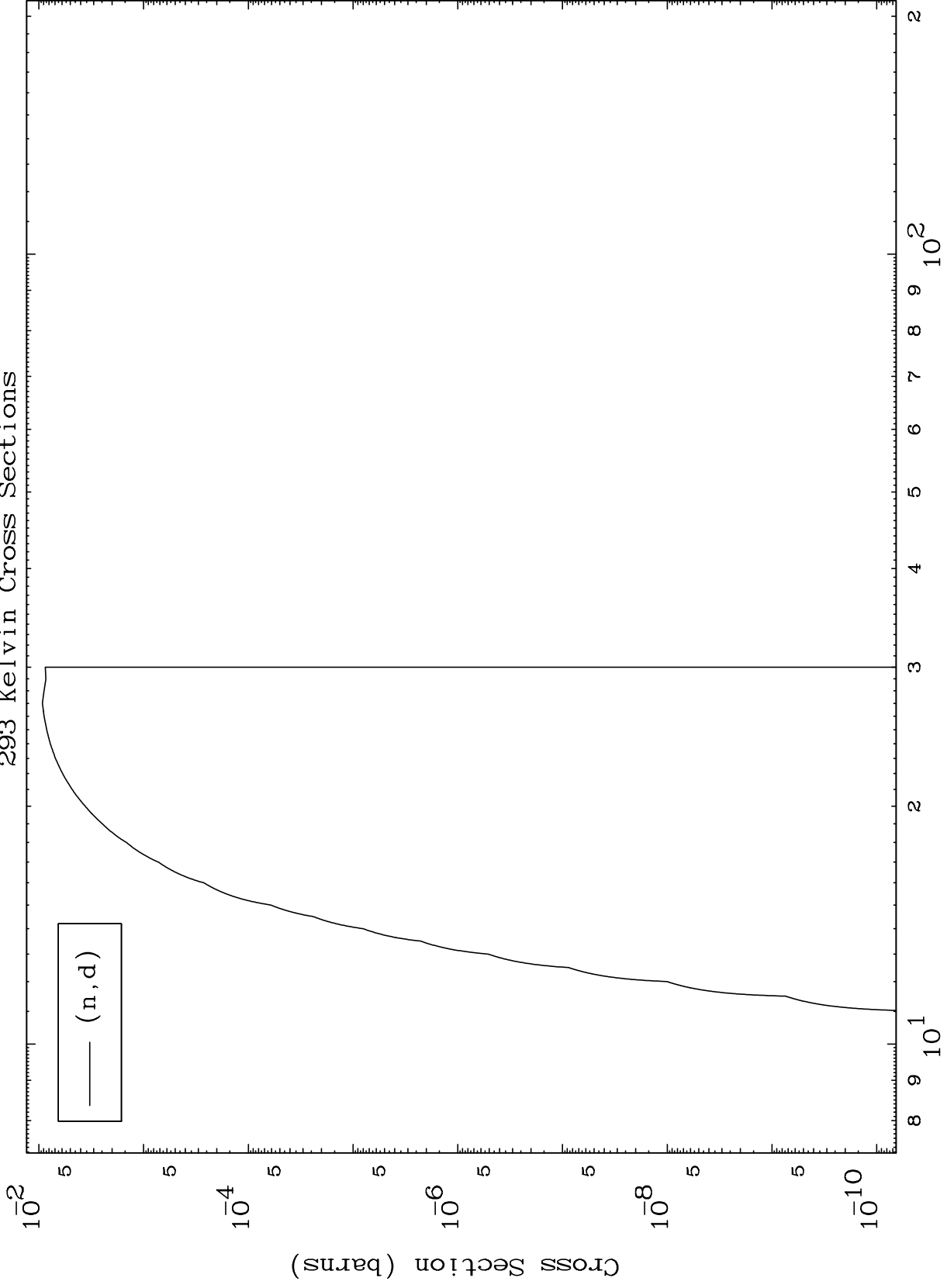
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,d) Levels  
293 Kelvin Cross Sections

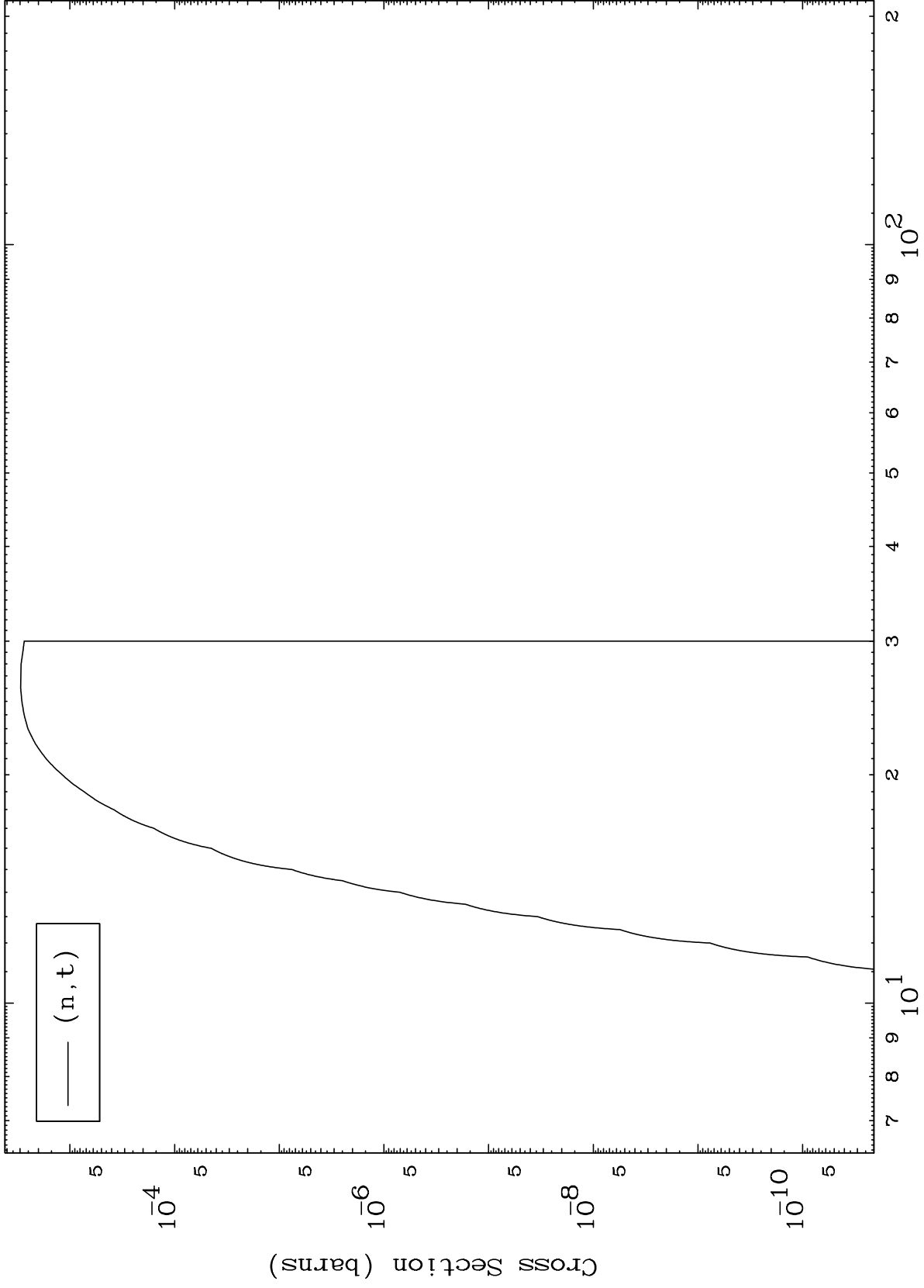
62-Sm-157



MAT 6264

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-157



12

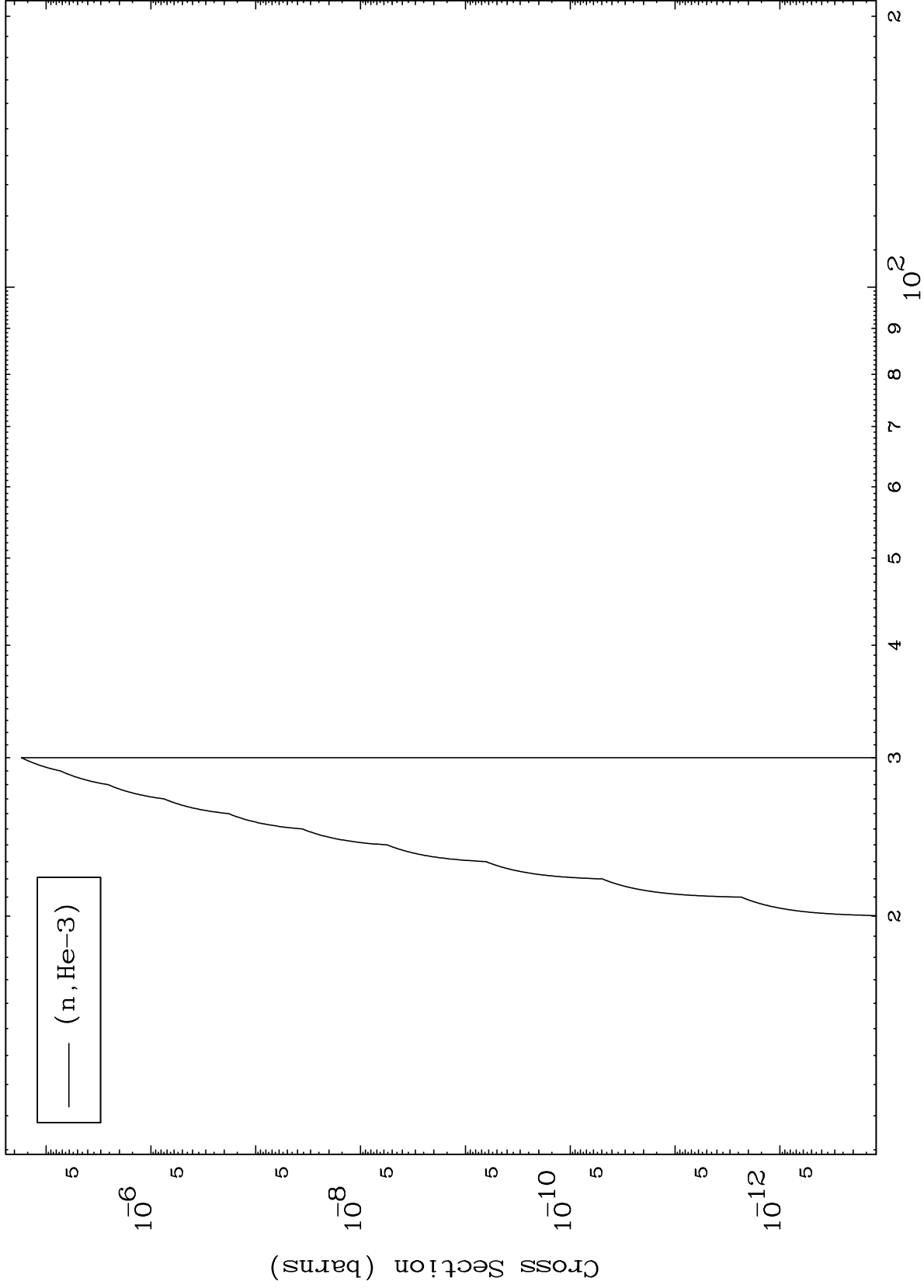
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-157



13

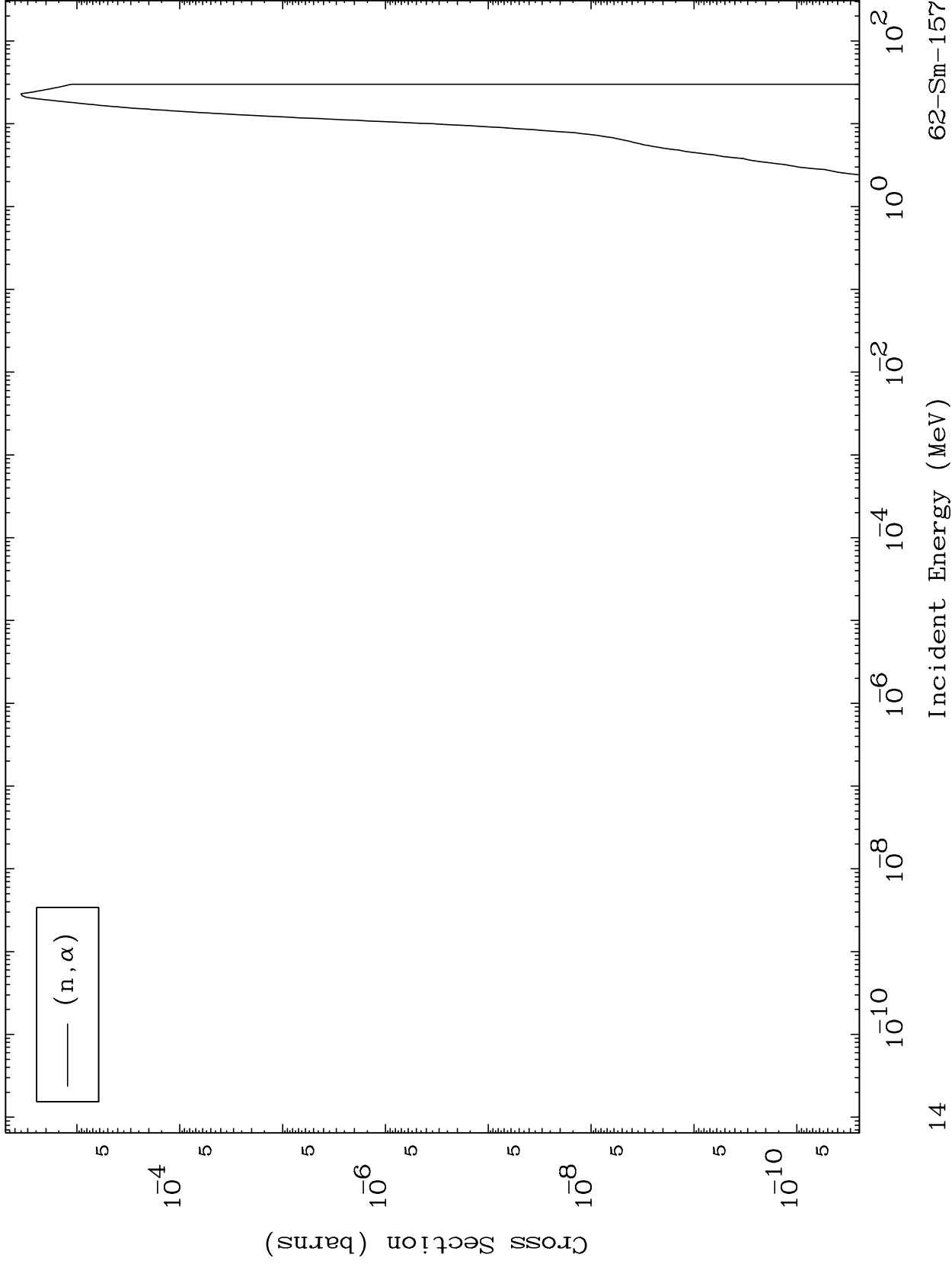
Incident Energy (MeV)

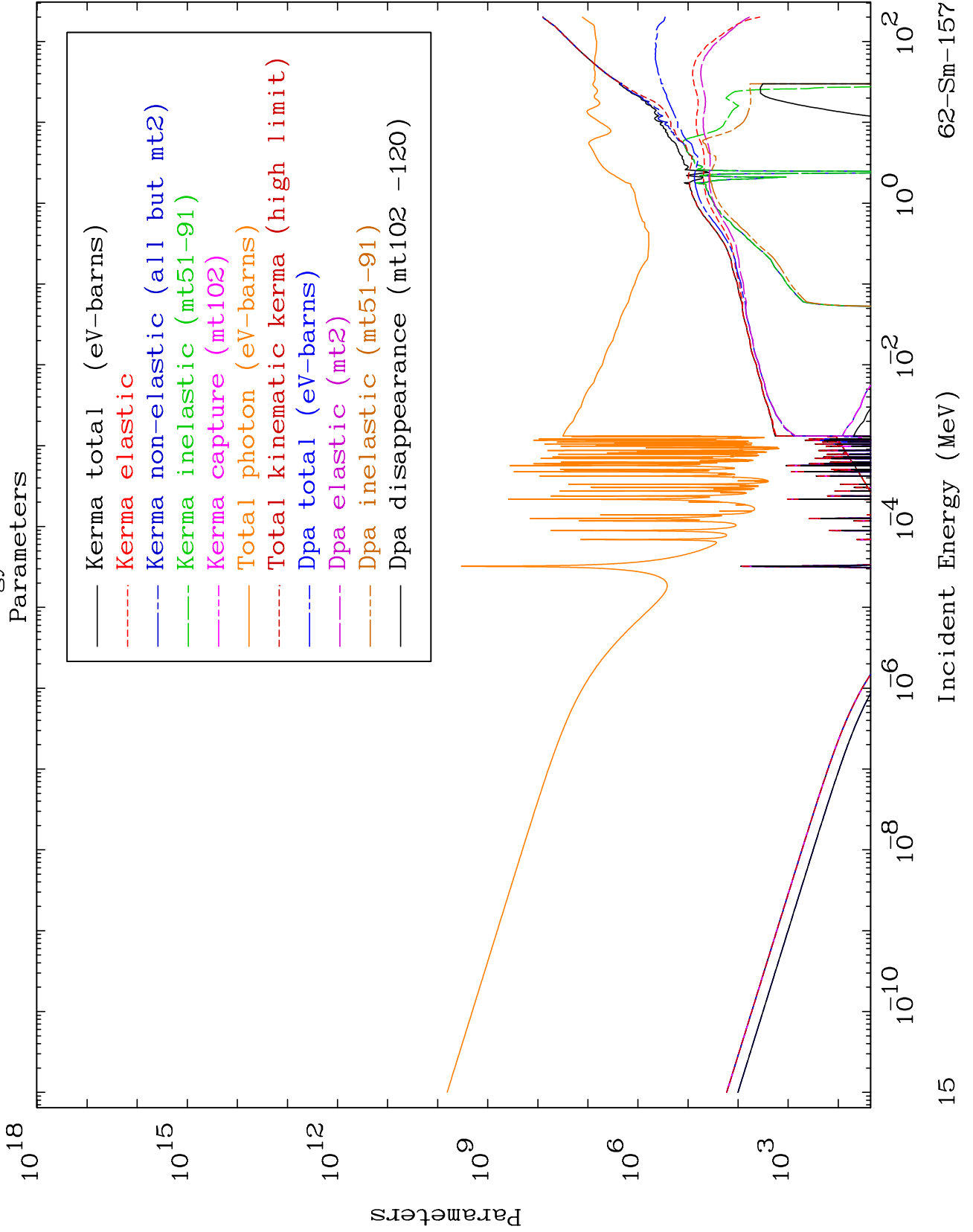
62-Sm-157

MAT 6264

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

62-Sm-157



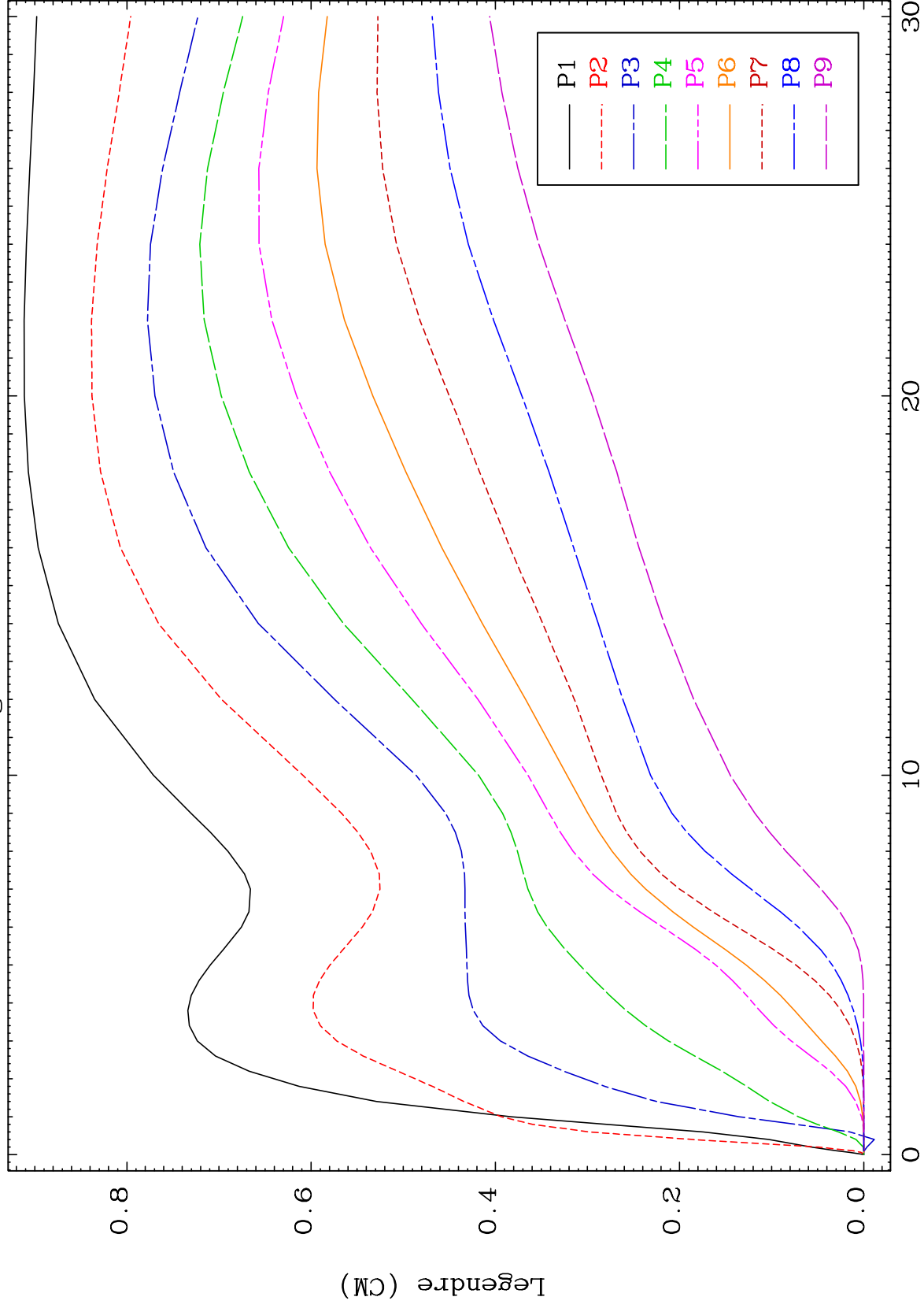




MAT 6264

Elastic Legendre Coefficients

62-Sm-157



16

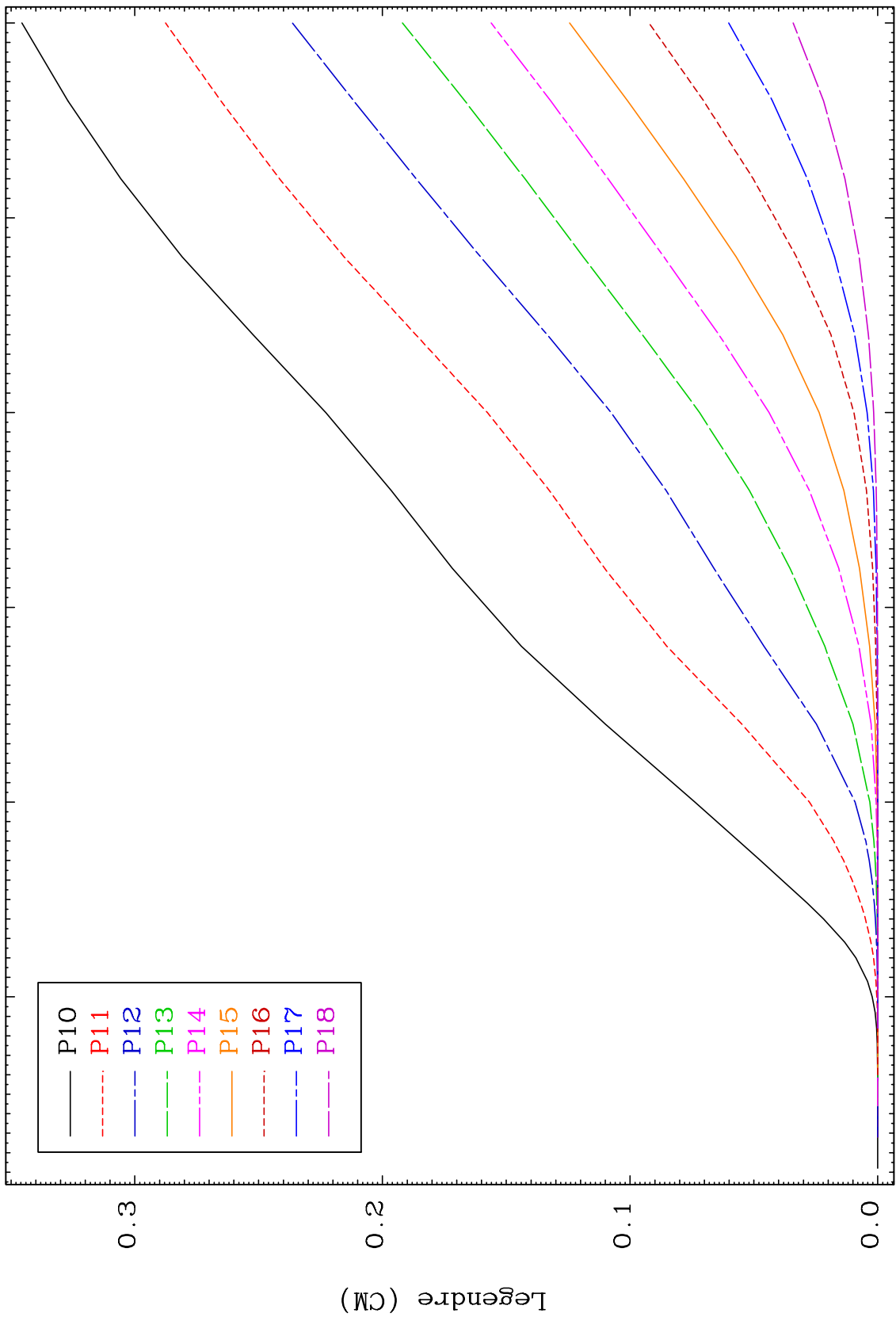
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

<sup>62</sup>Sm-157



17

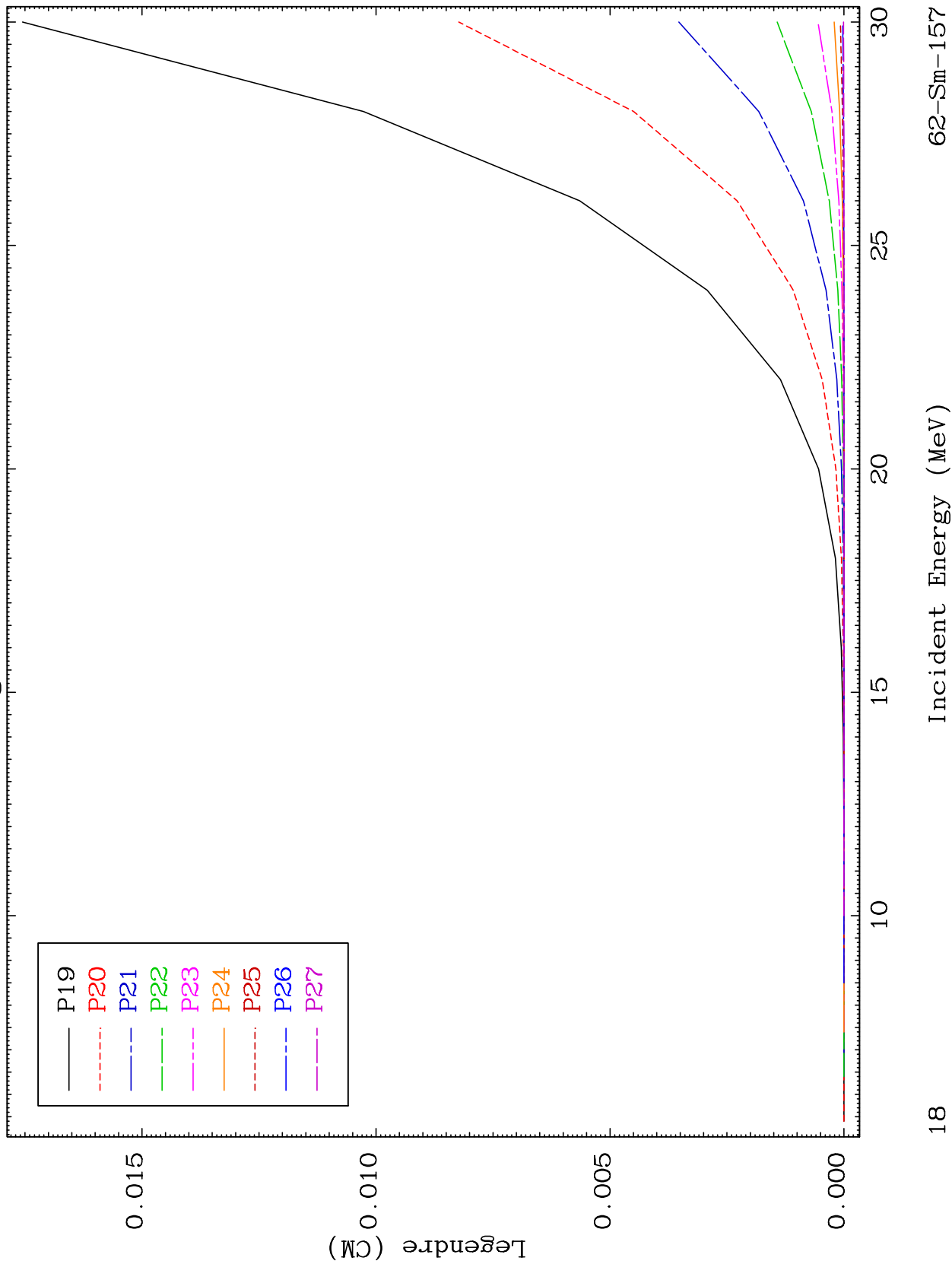
<sup>62</sup>Sm-157

Incident Energy (MeV)

MAT 6264

### Elastic Legendre Coefficients

62-Sm-157



18

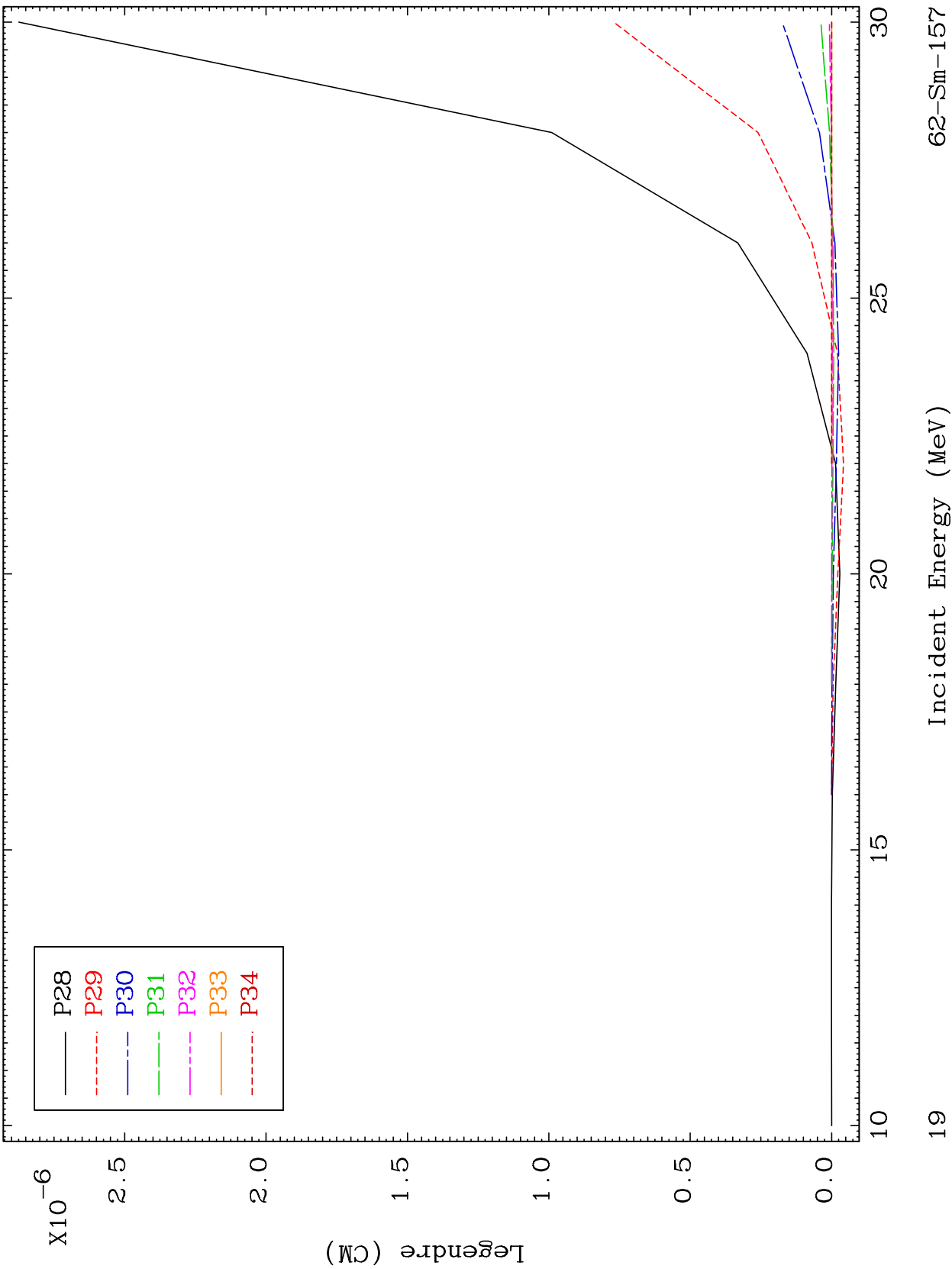
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

62-Sm-157



19

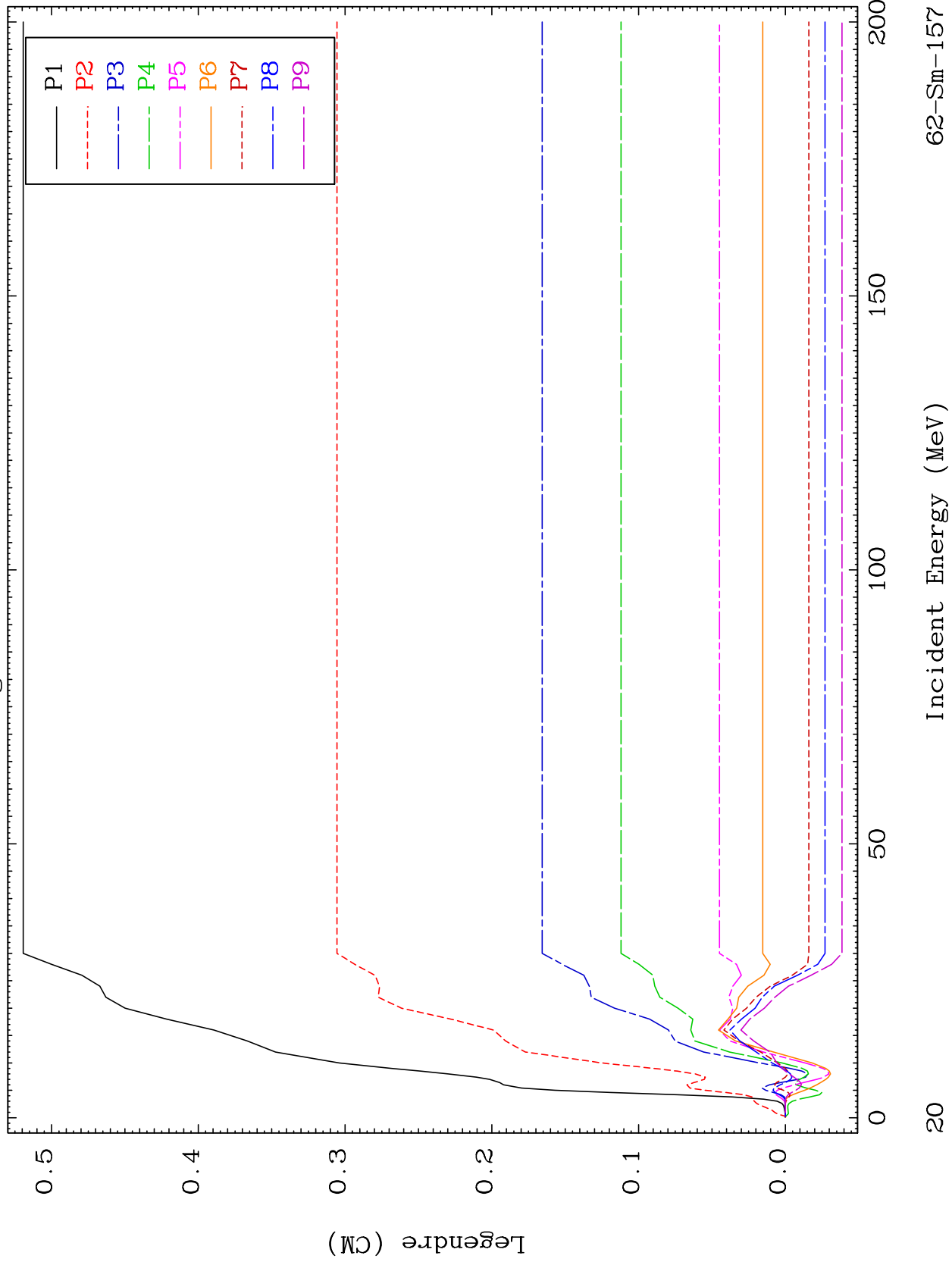
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

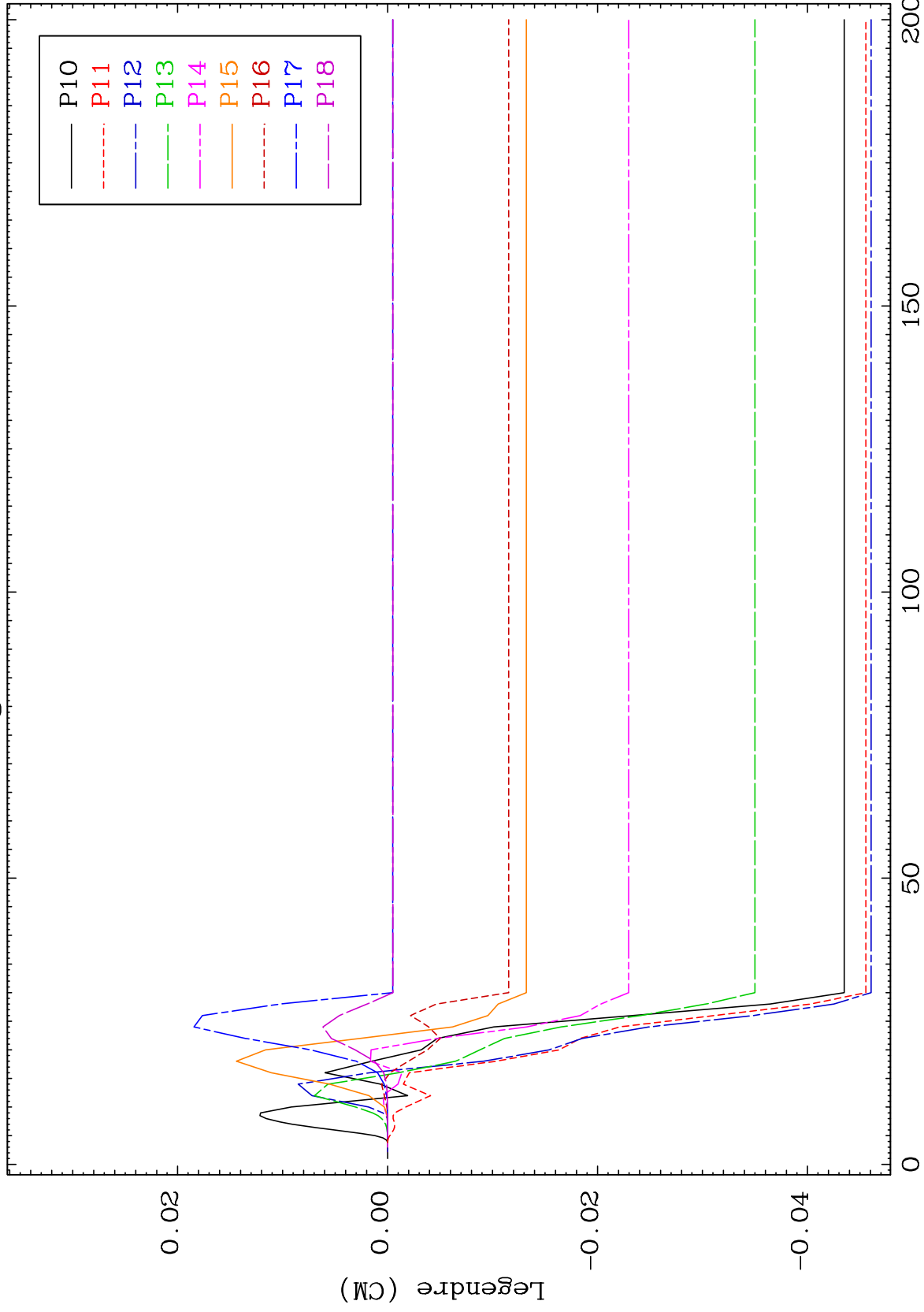
62-Sm-157



MAT 6264

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

62-Sm-157



21

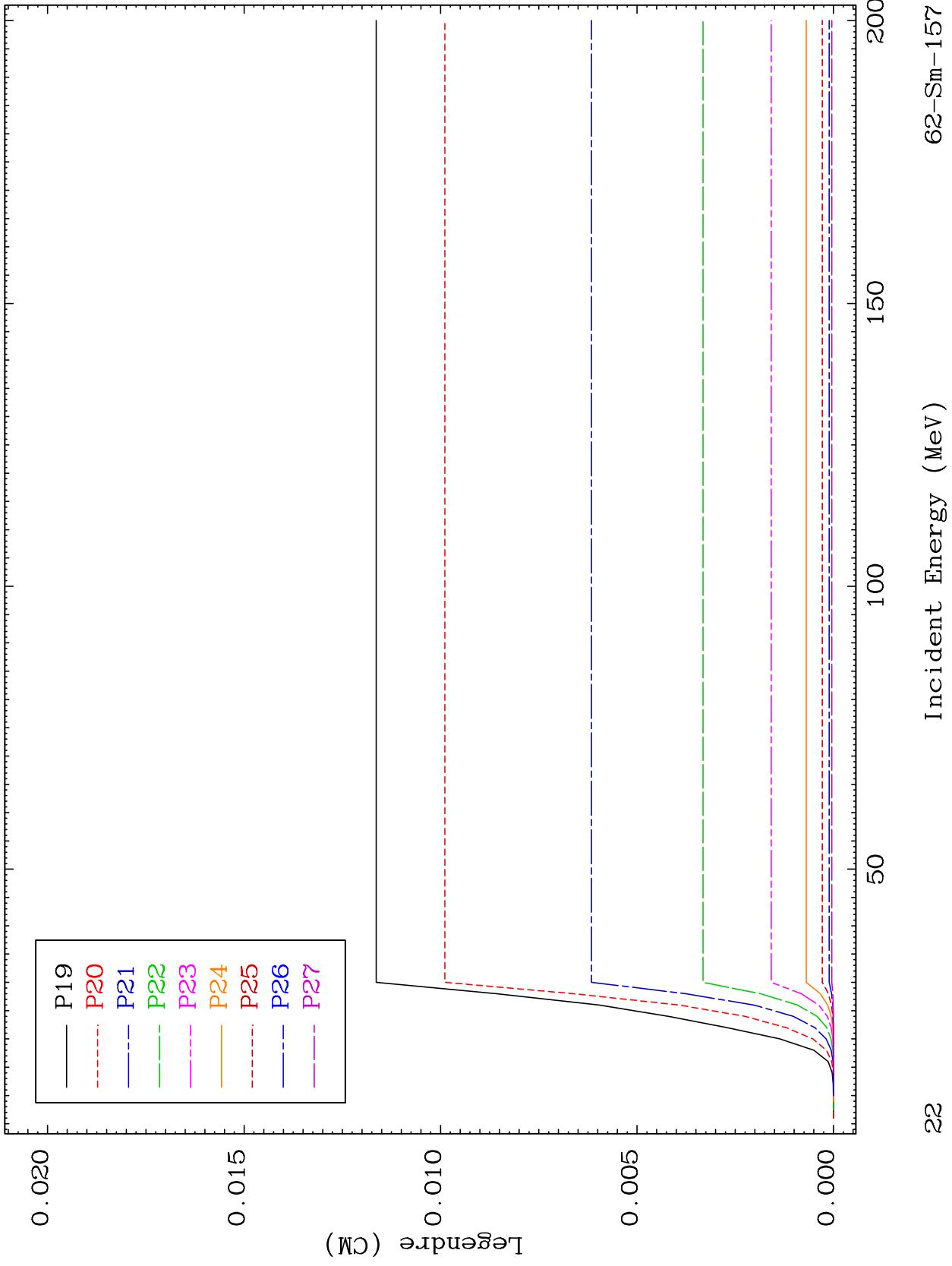
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



22

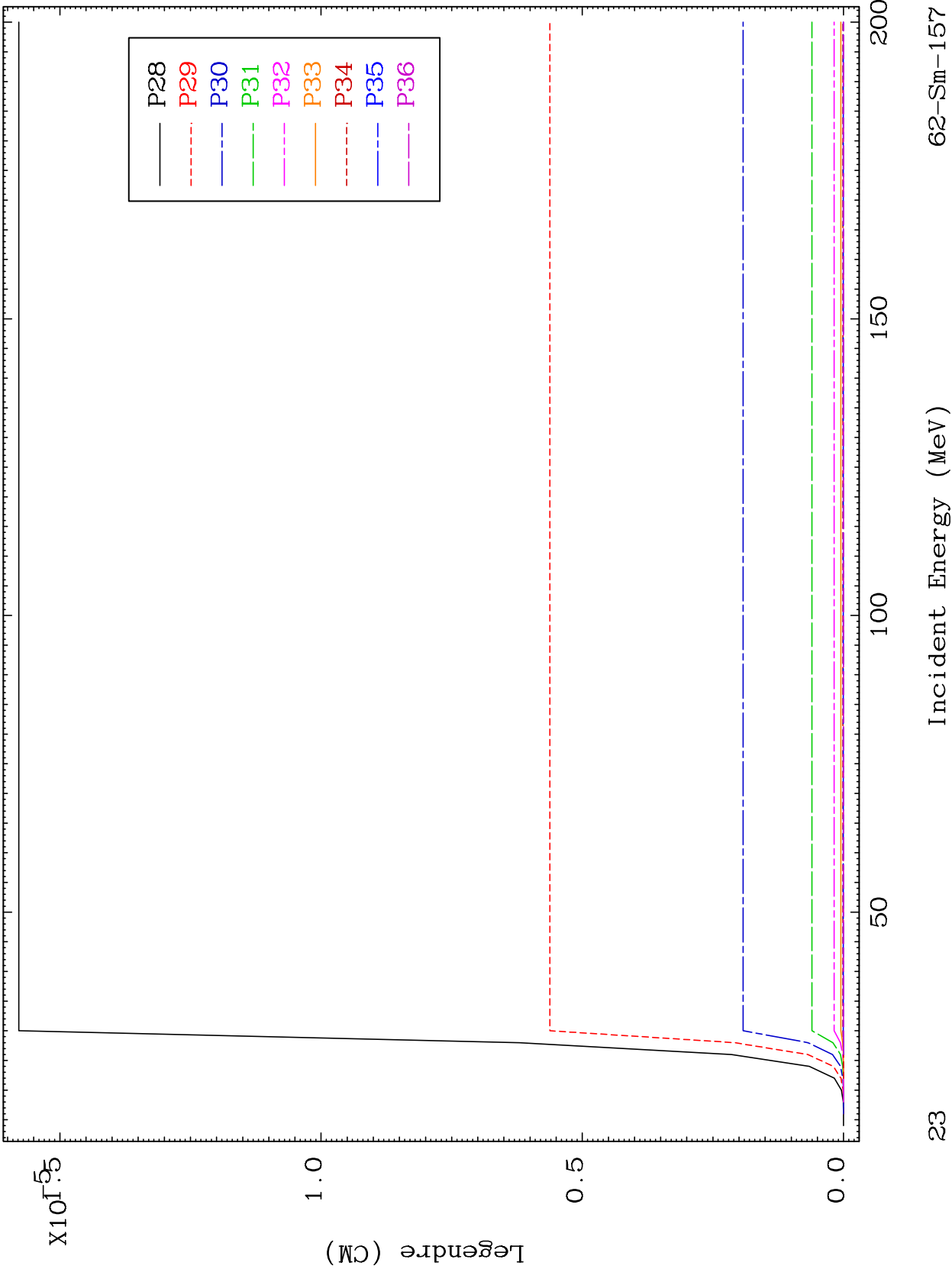
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



23

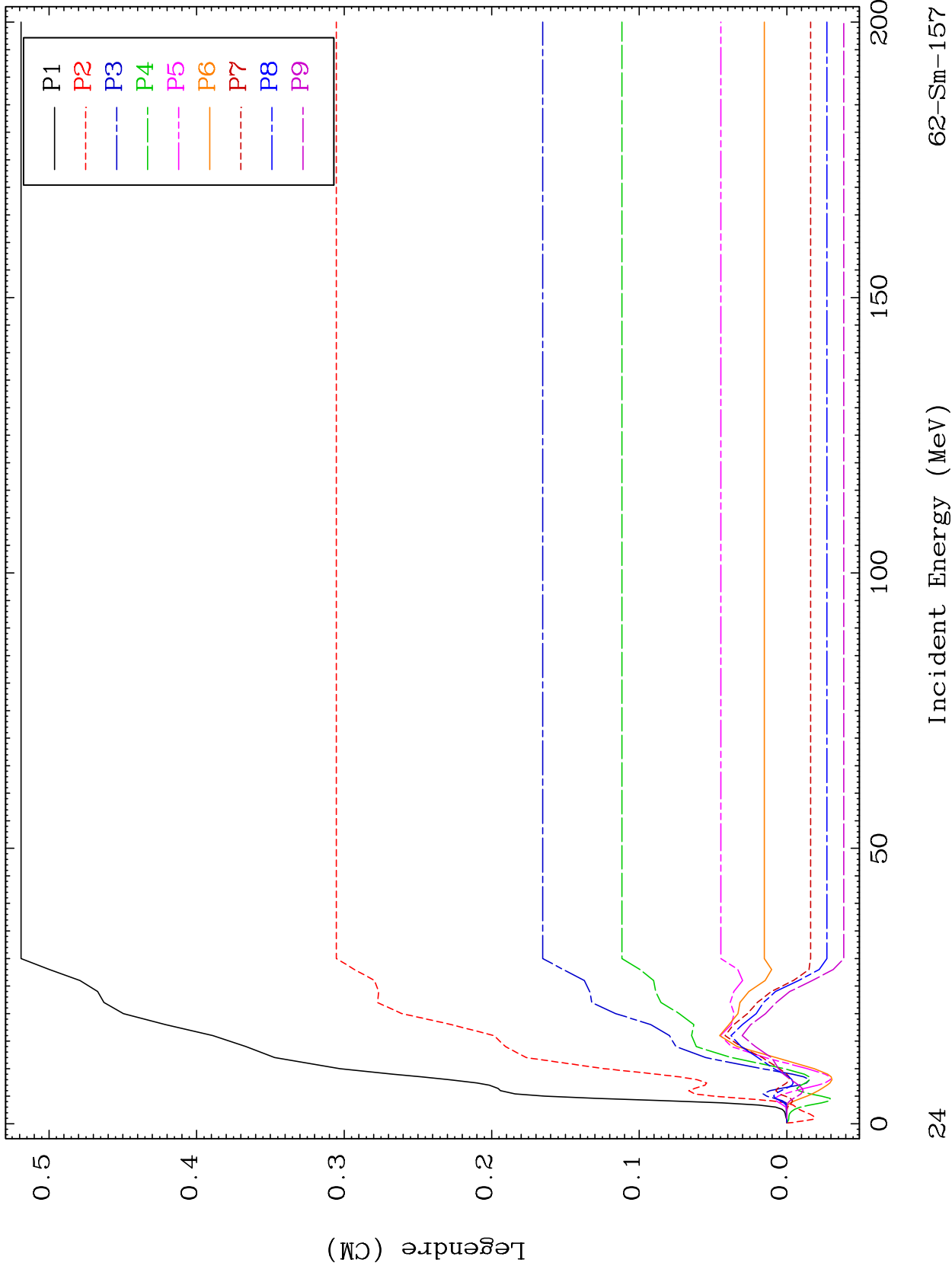
62-Sm-157



MAT 6264

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

62-Sm-157

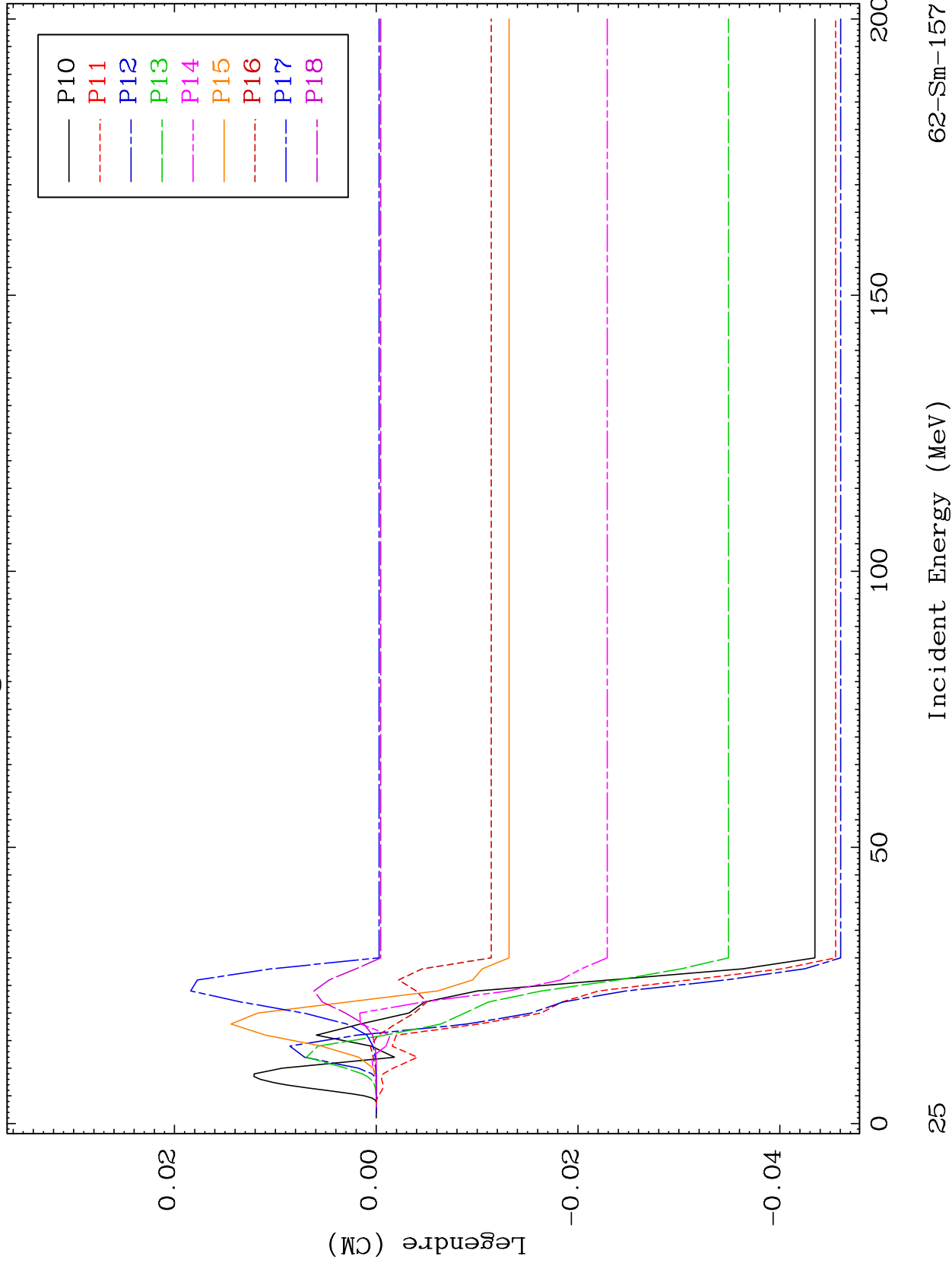


24

MAT 6264

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

62-Sm-157



62-Sm-157

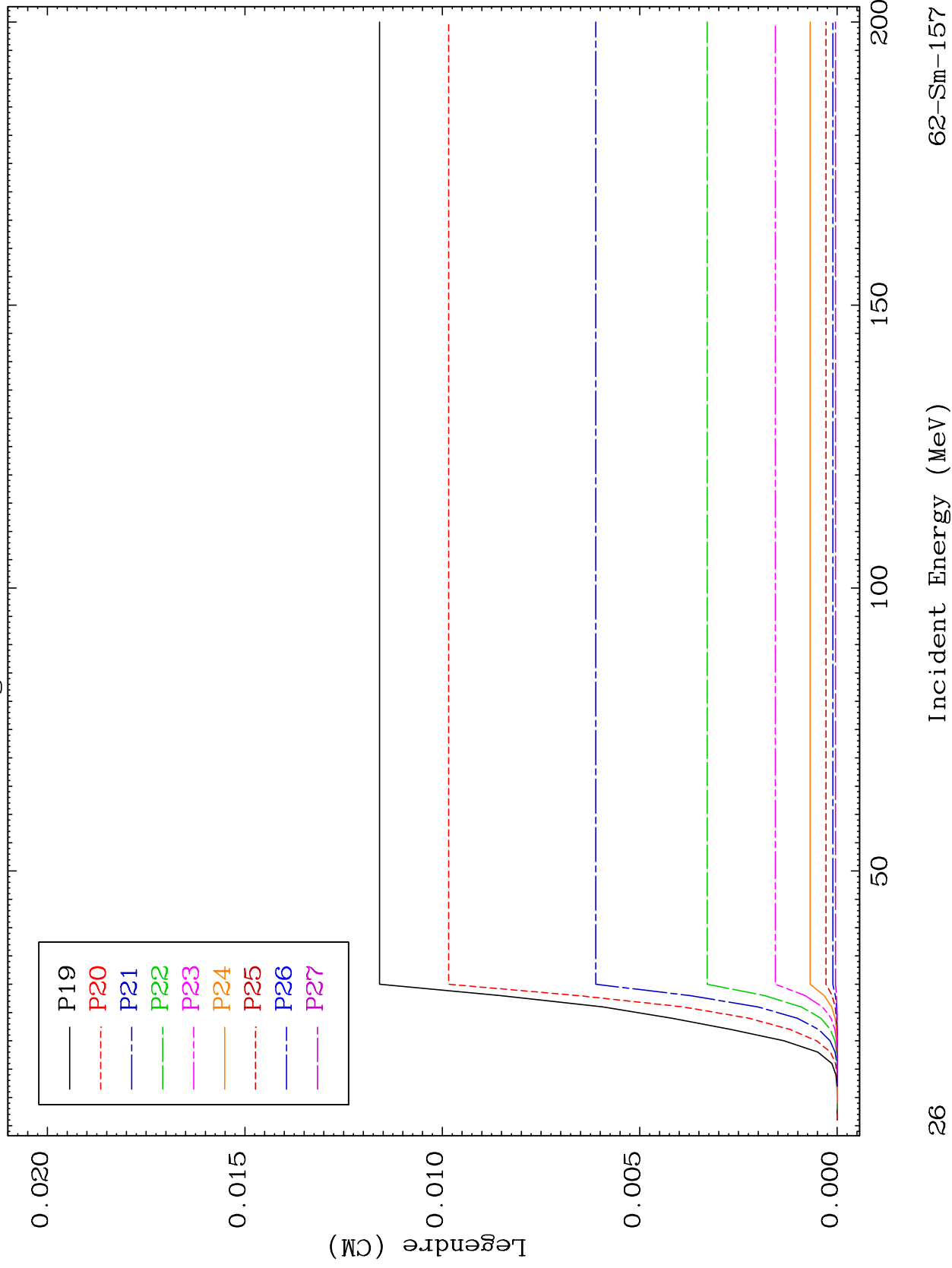
Incident Energy (MeV)

25

MAT 6264

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

62-Sm-157



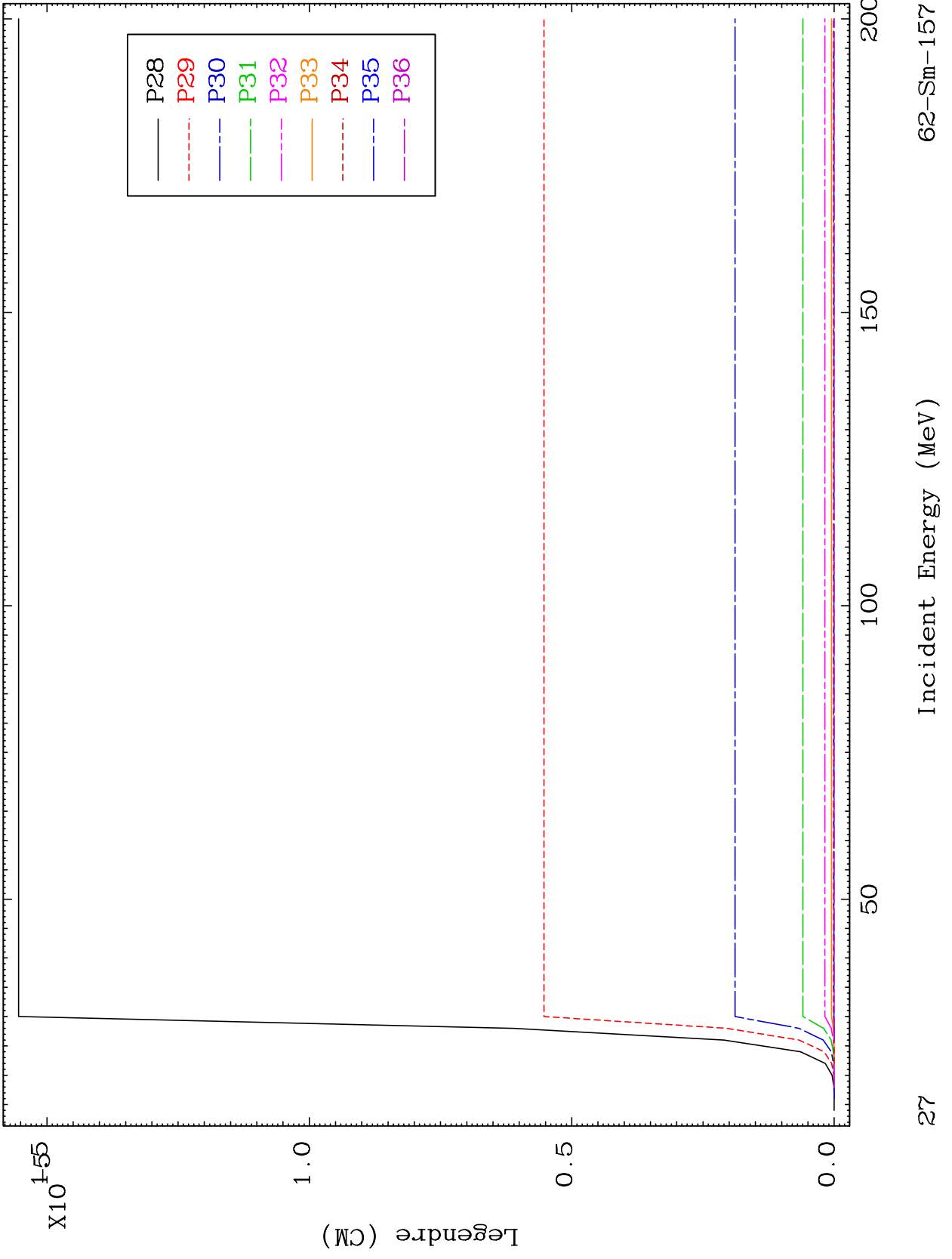
26

62-Sm-157

MAT 6264

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

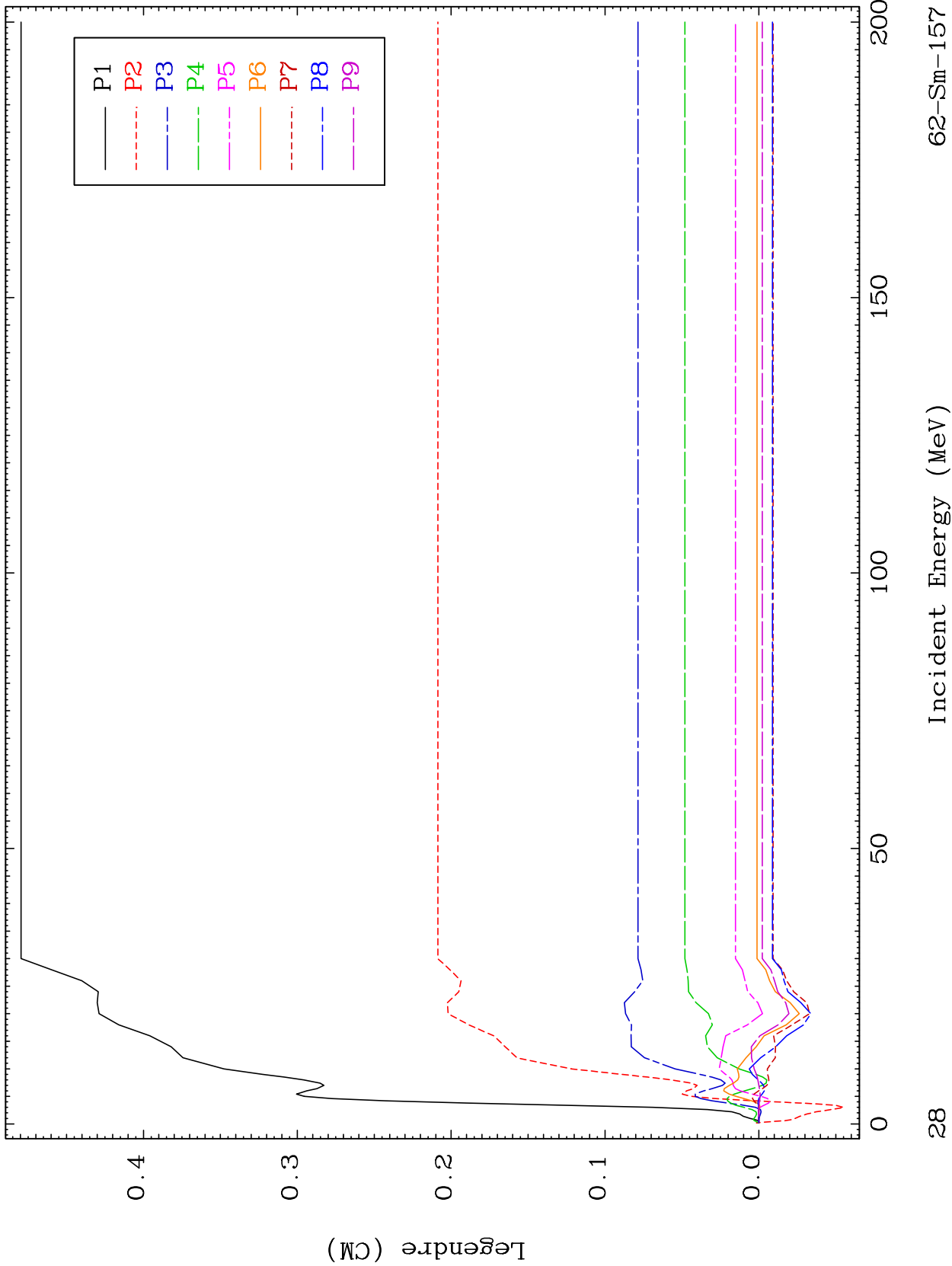
62-Sm-157



MAT 6264

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

62-Sm-157



62-Sm-157

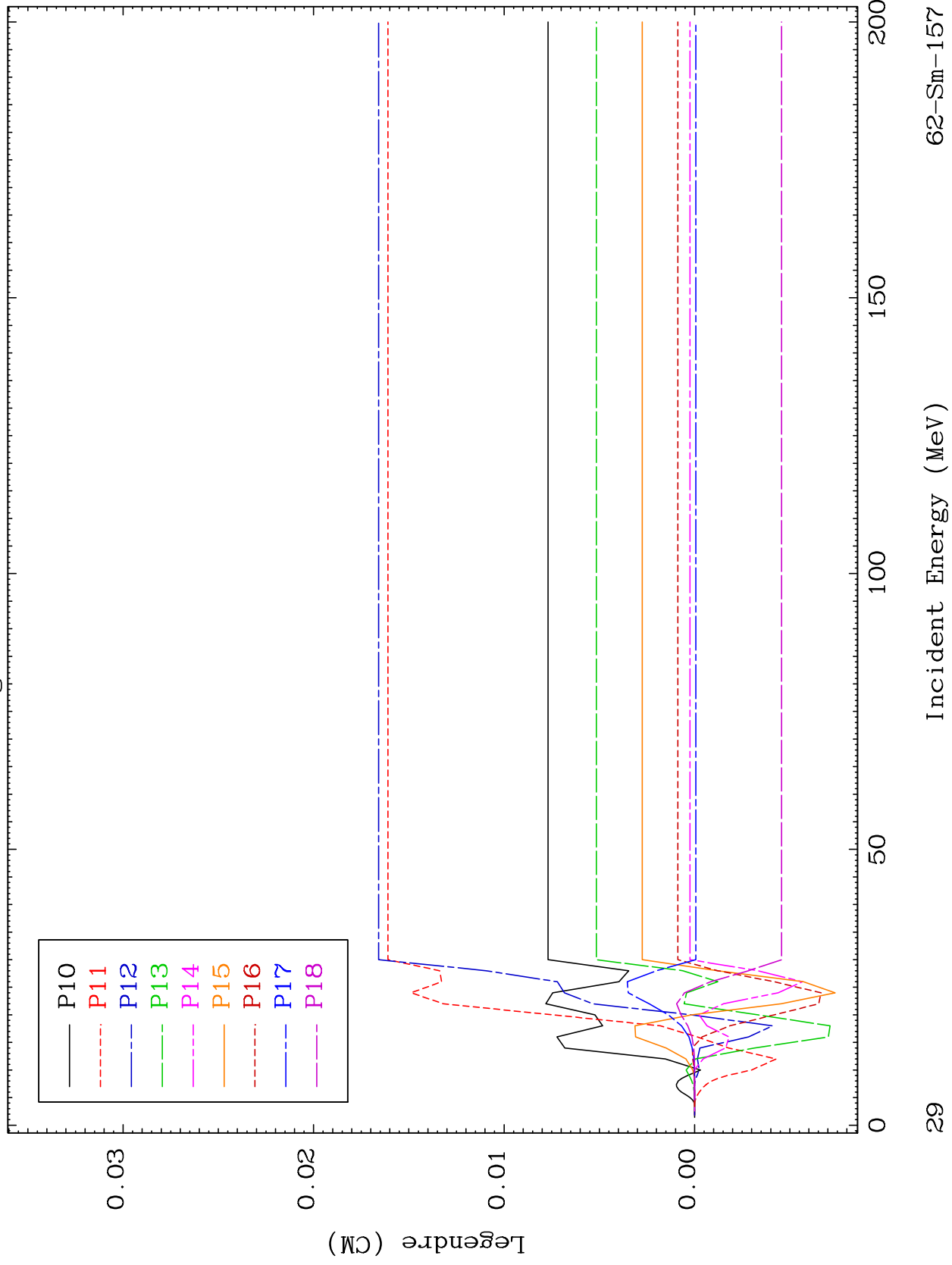
Incident Energy (MeV)

28

MAT 6264

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

62-Sm-157



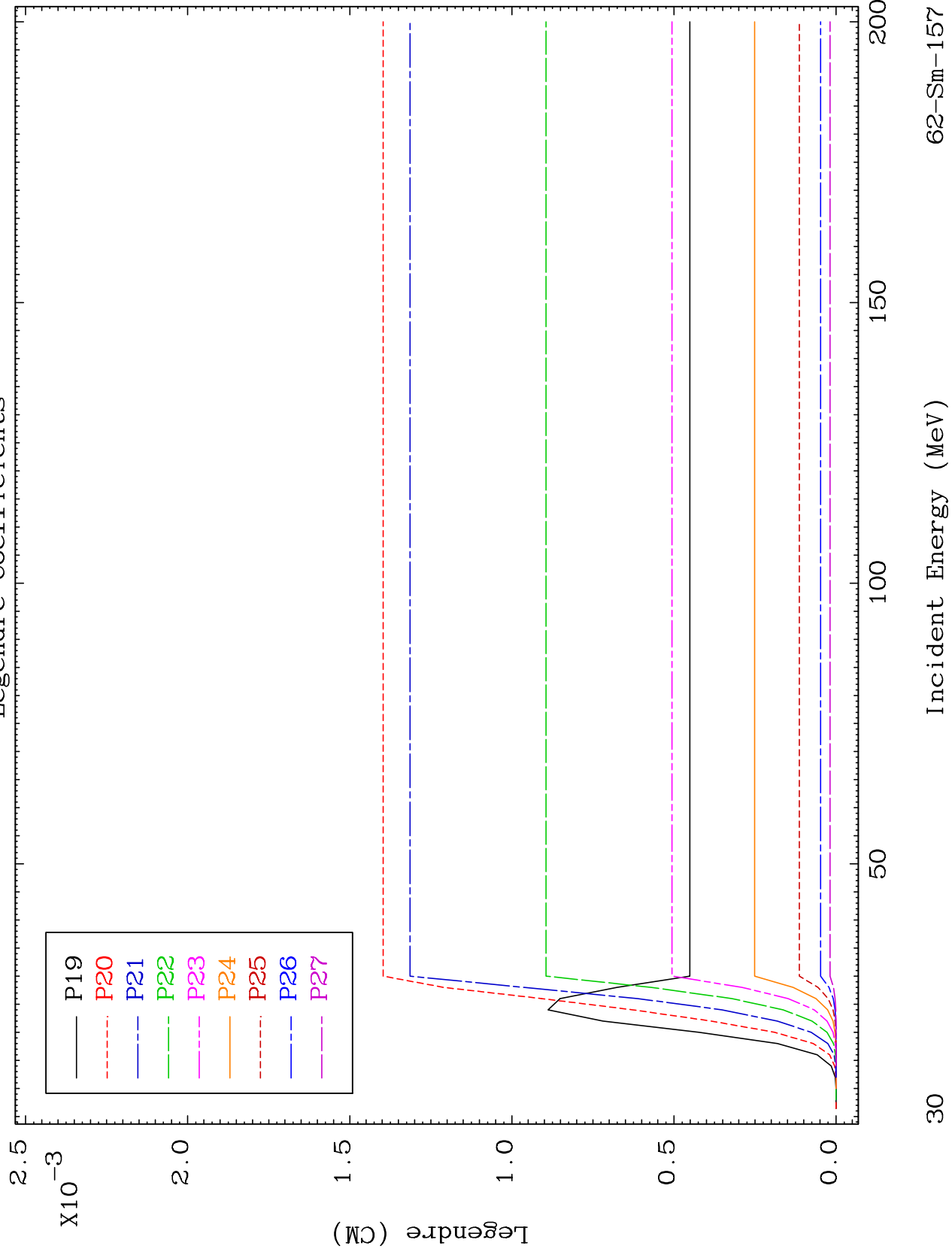
29

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

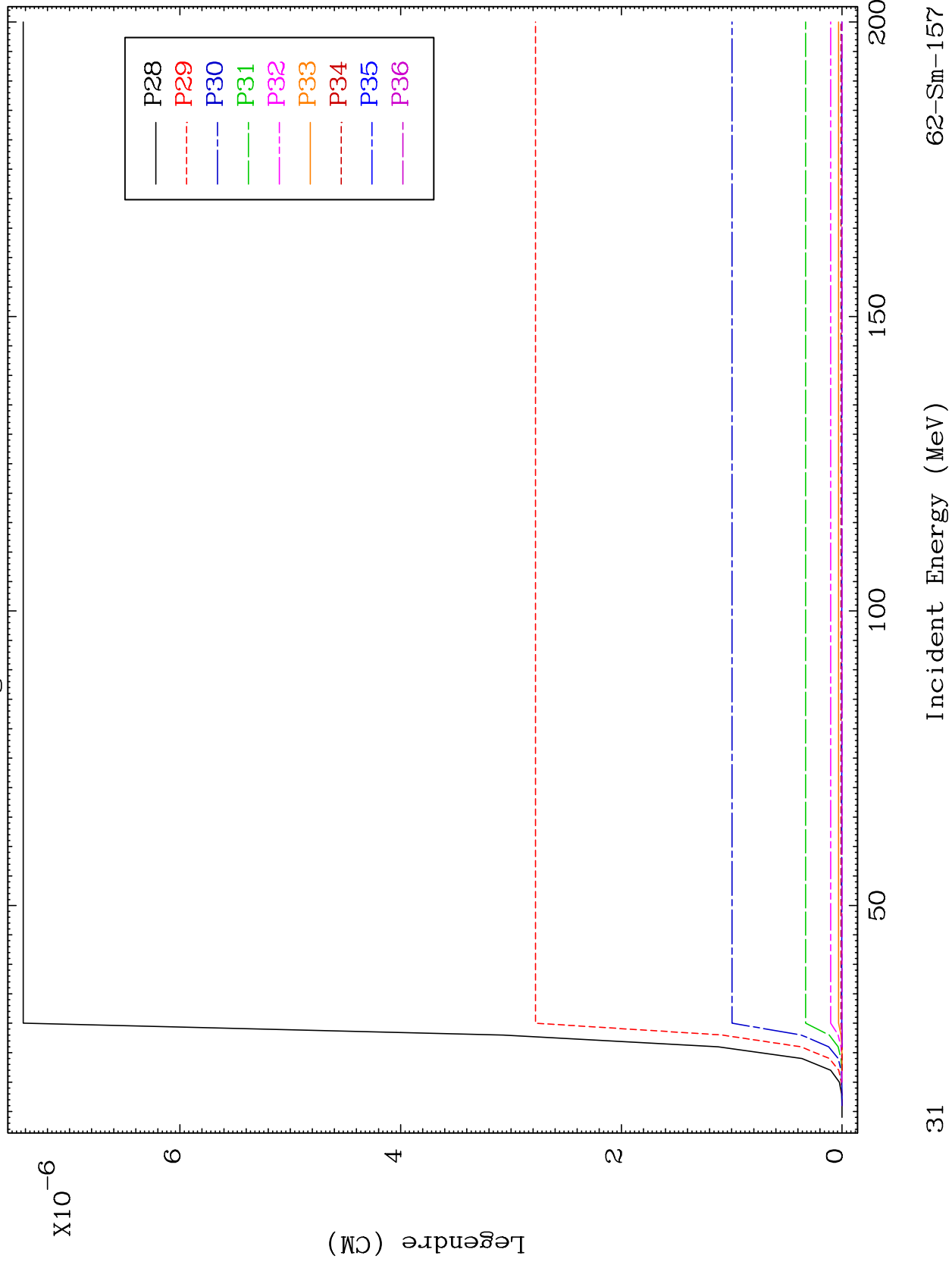
Incident Energy (MeV)

30

MAT 6264

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

62-Sm-157

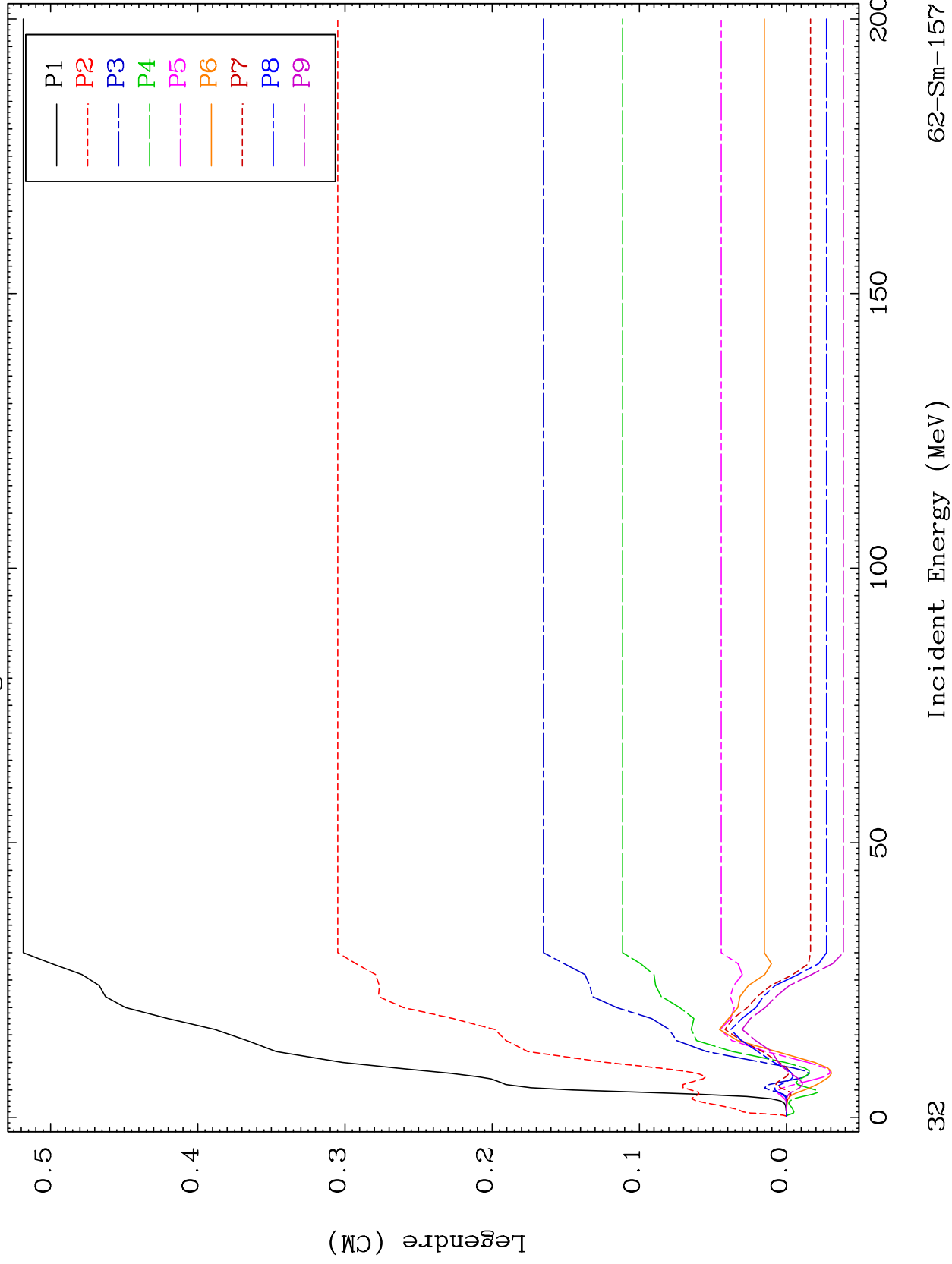




MAT 6264

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

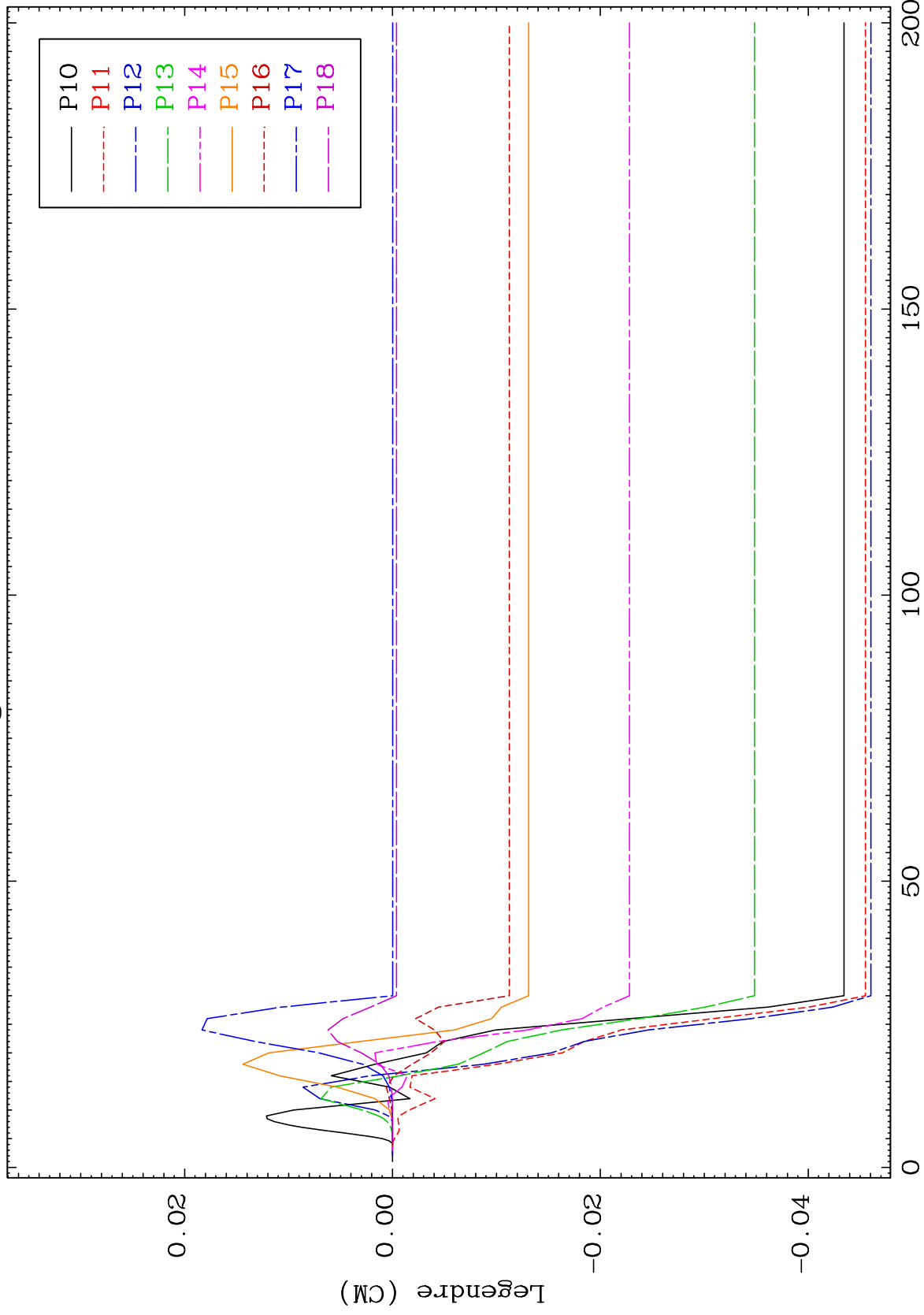
62-Sm-157



MAT 6264

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

62-Sm-157



33

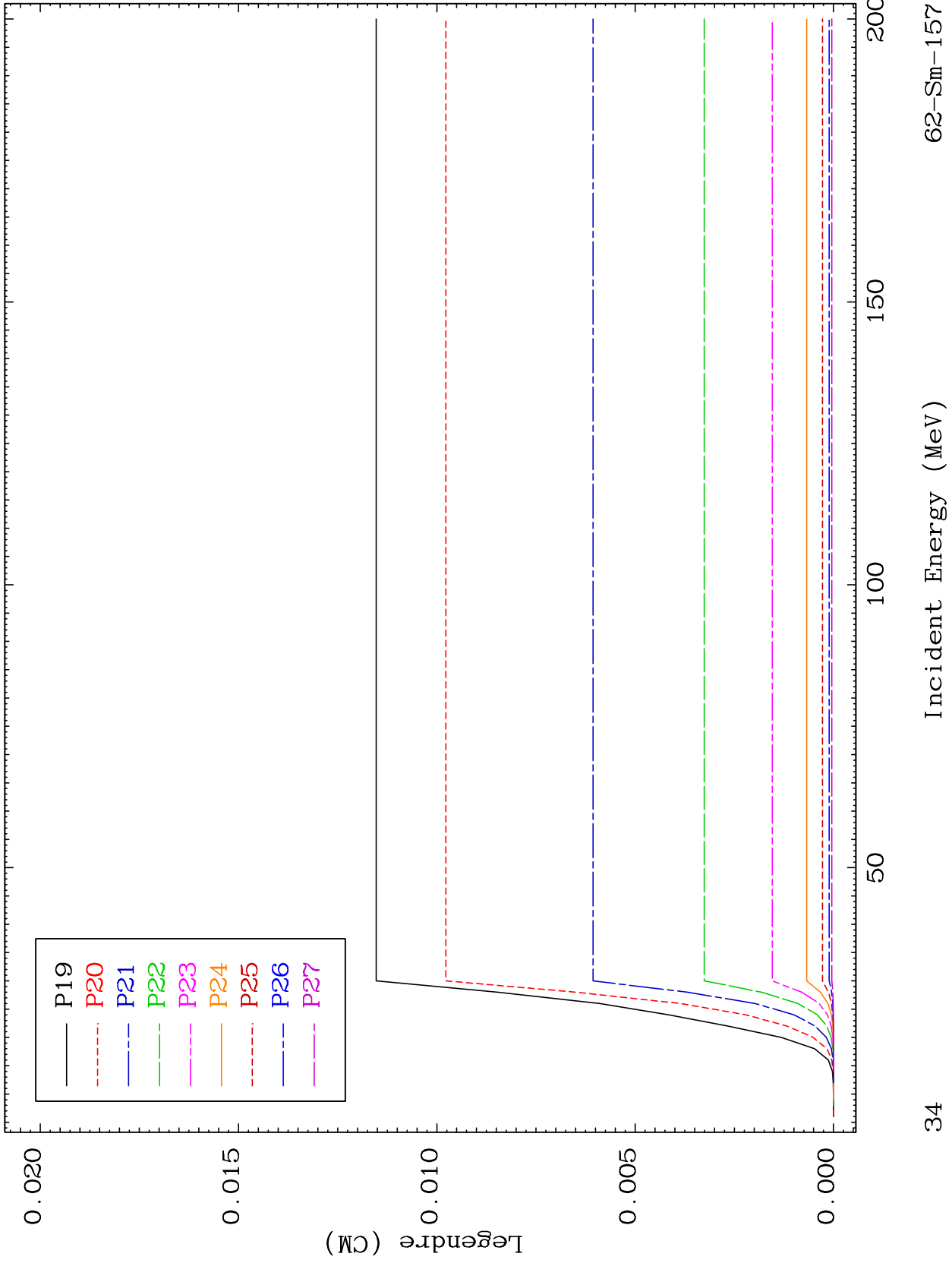
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



34

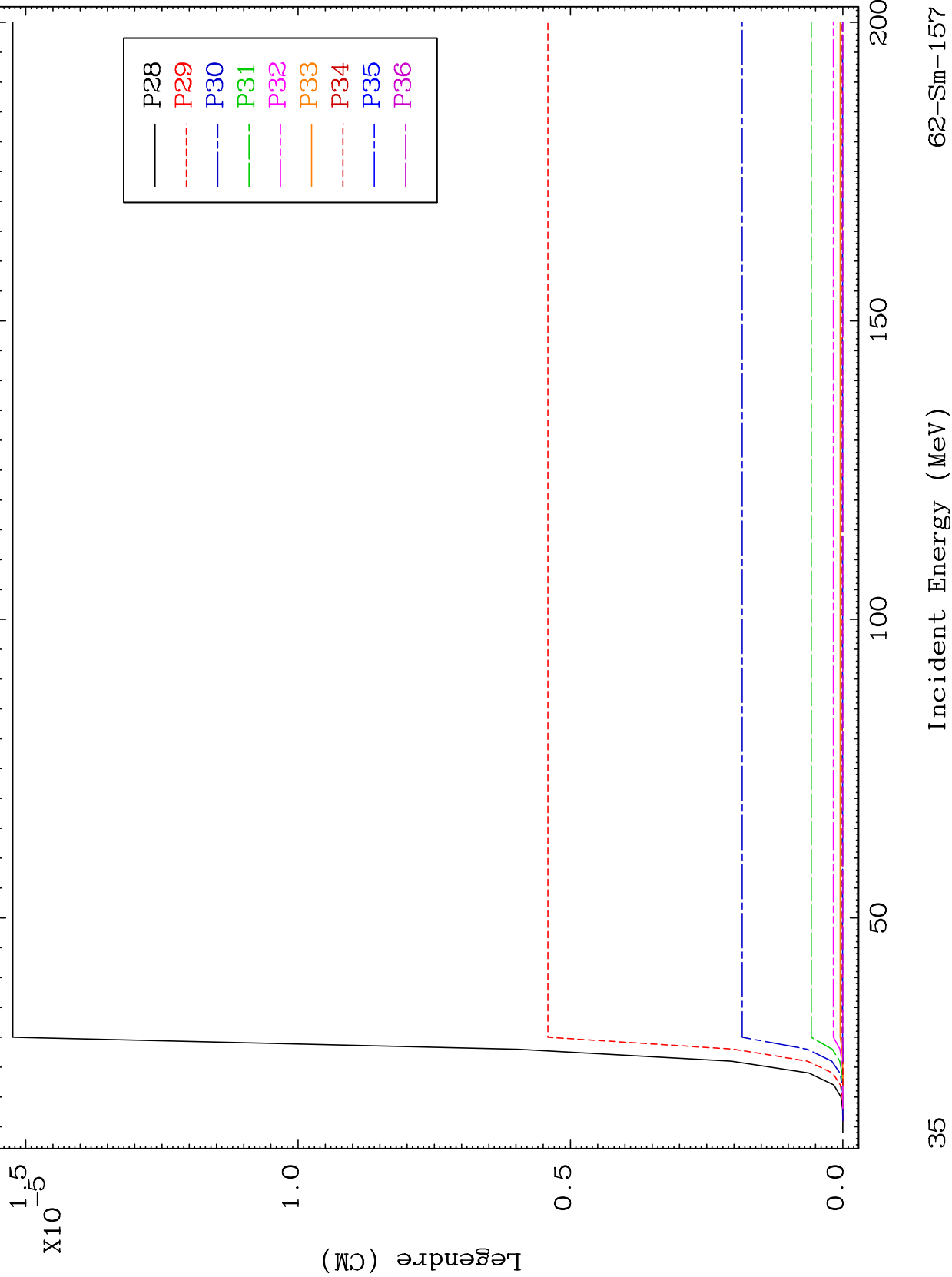
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157

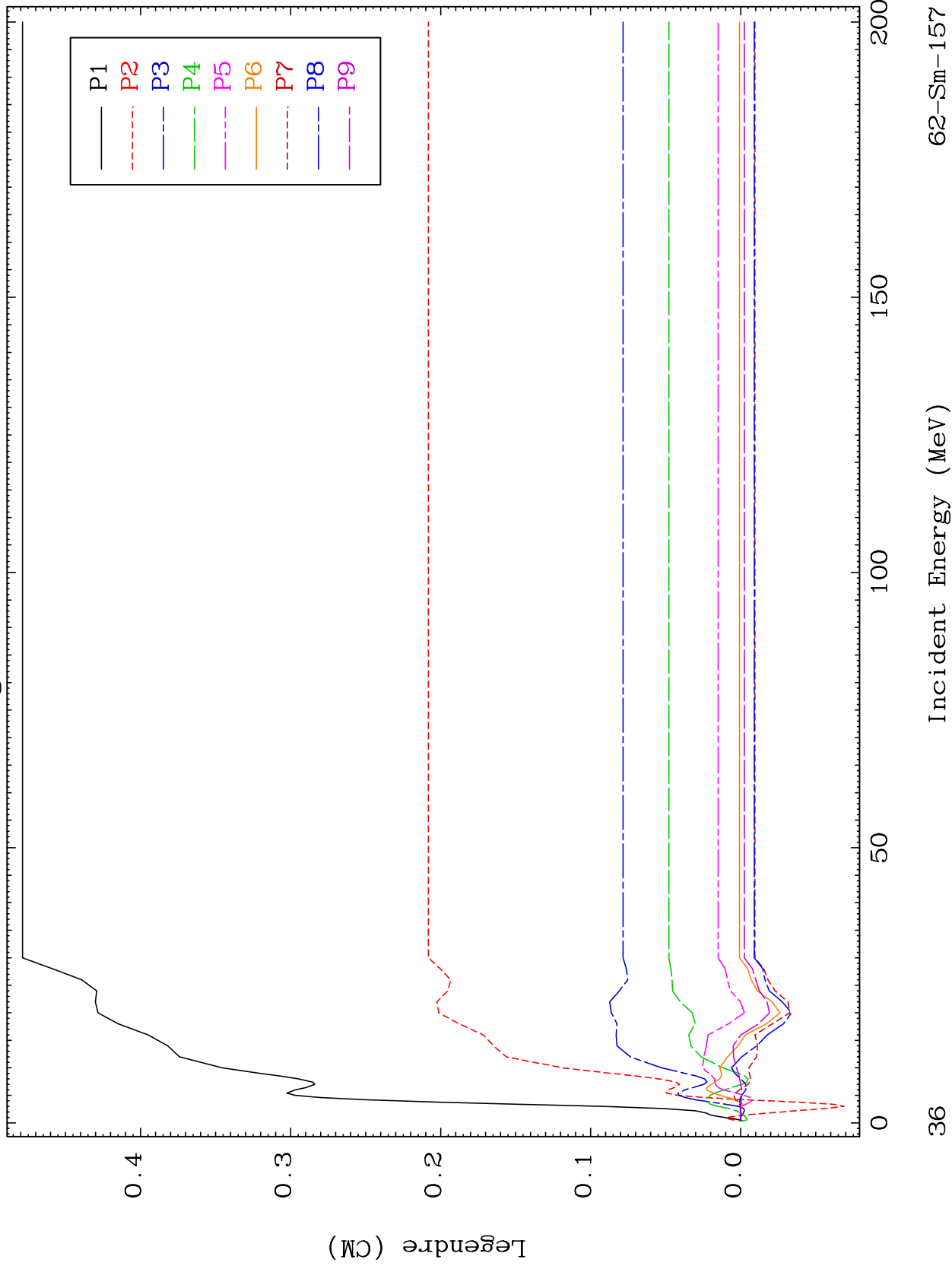


MAT 6264

MT= 55 (n,n') Level

62-Sm-157

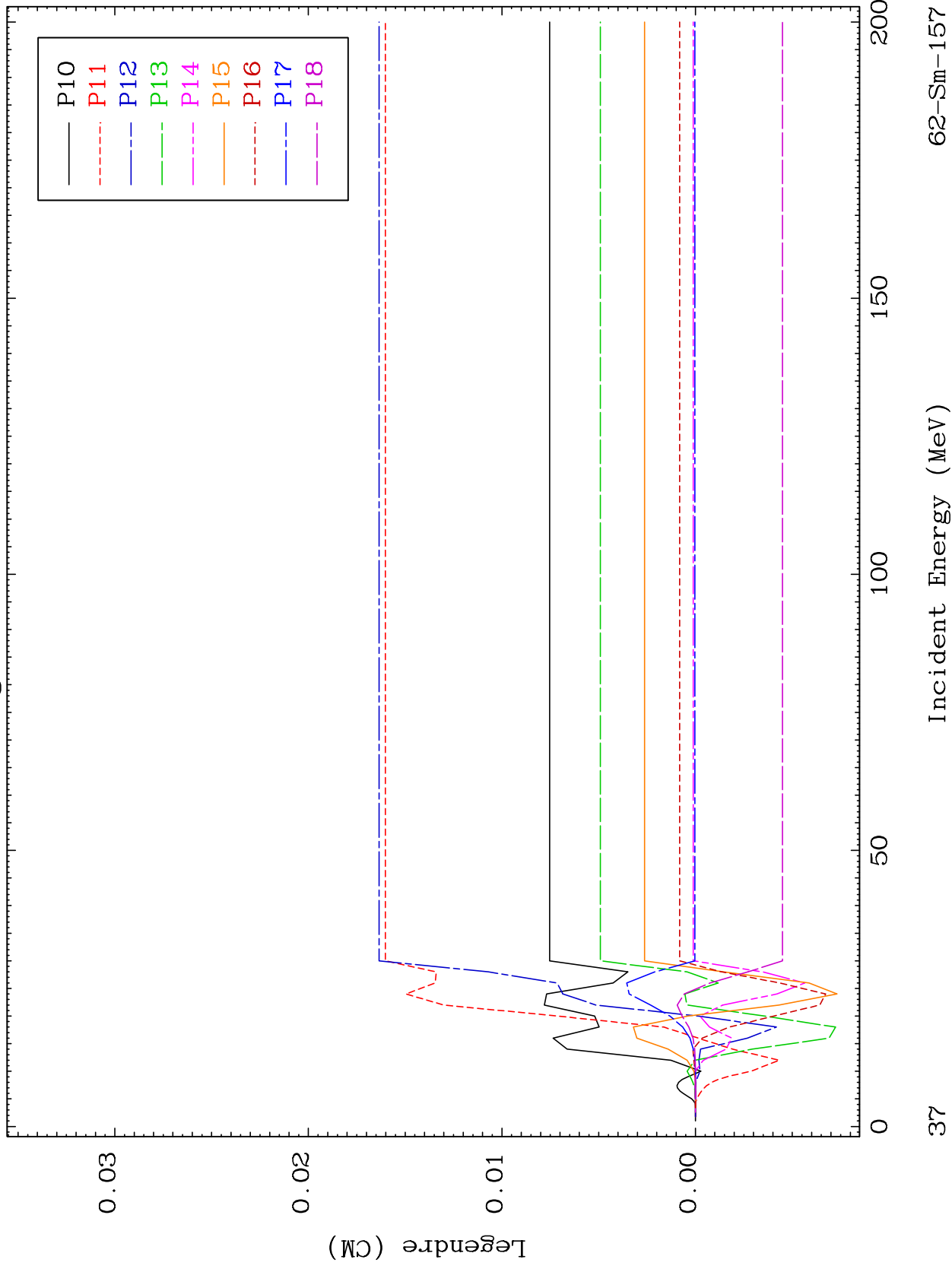
Legendre Coefficients



MAT 6264

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

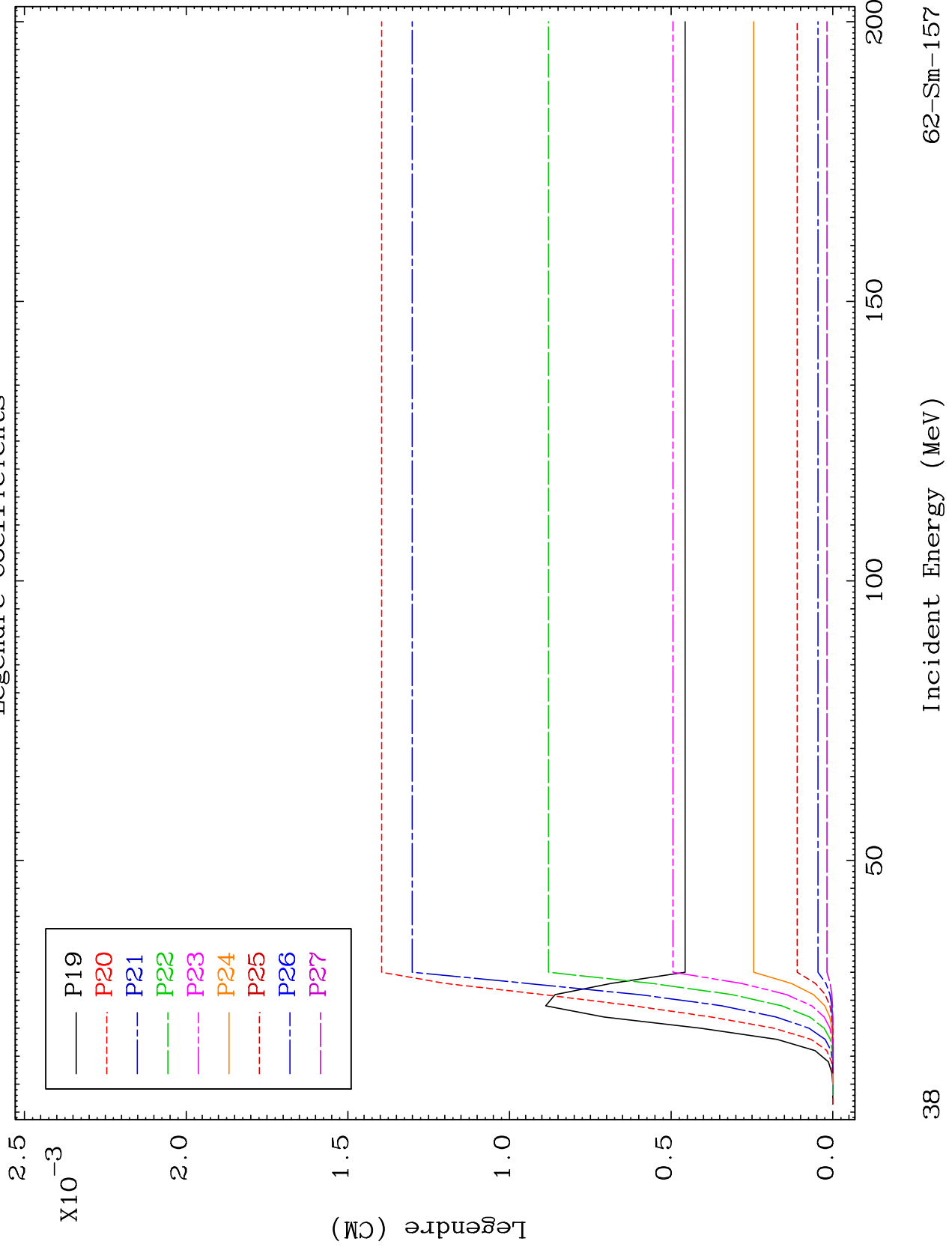
62-Sm-157



37

Incident Energy (MeV)

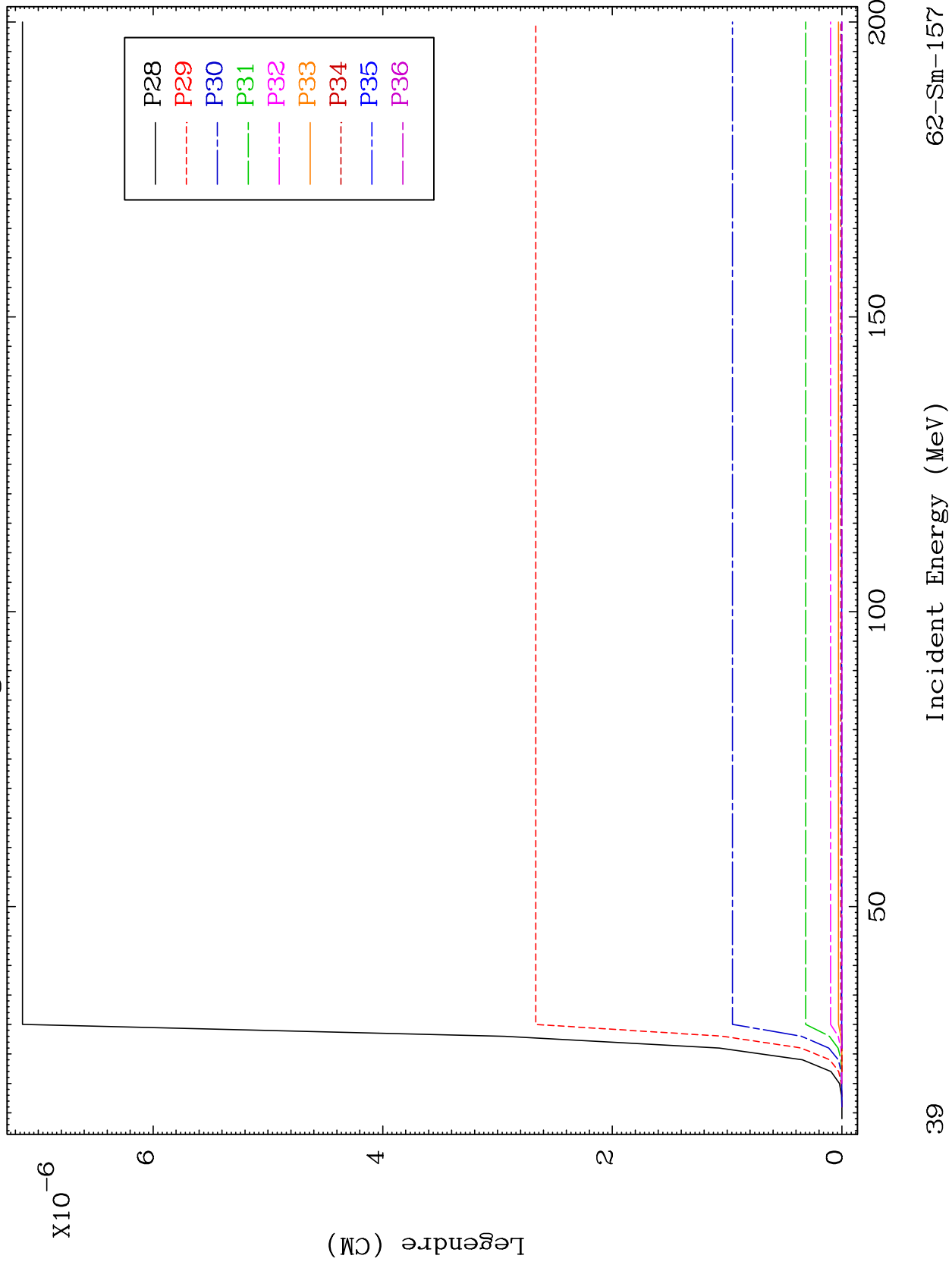
62-Sm-157



MAT 6264

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

62-Sm-157



39

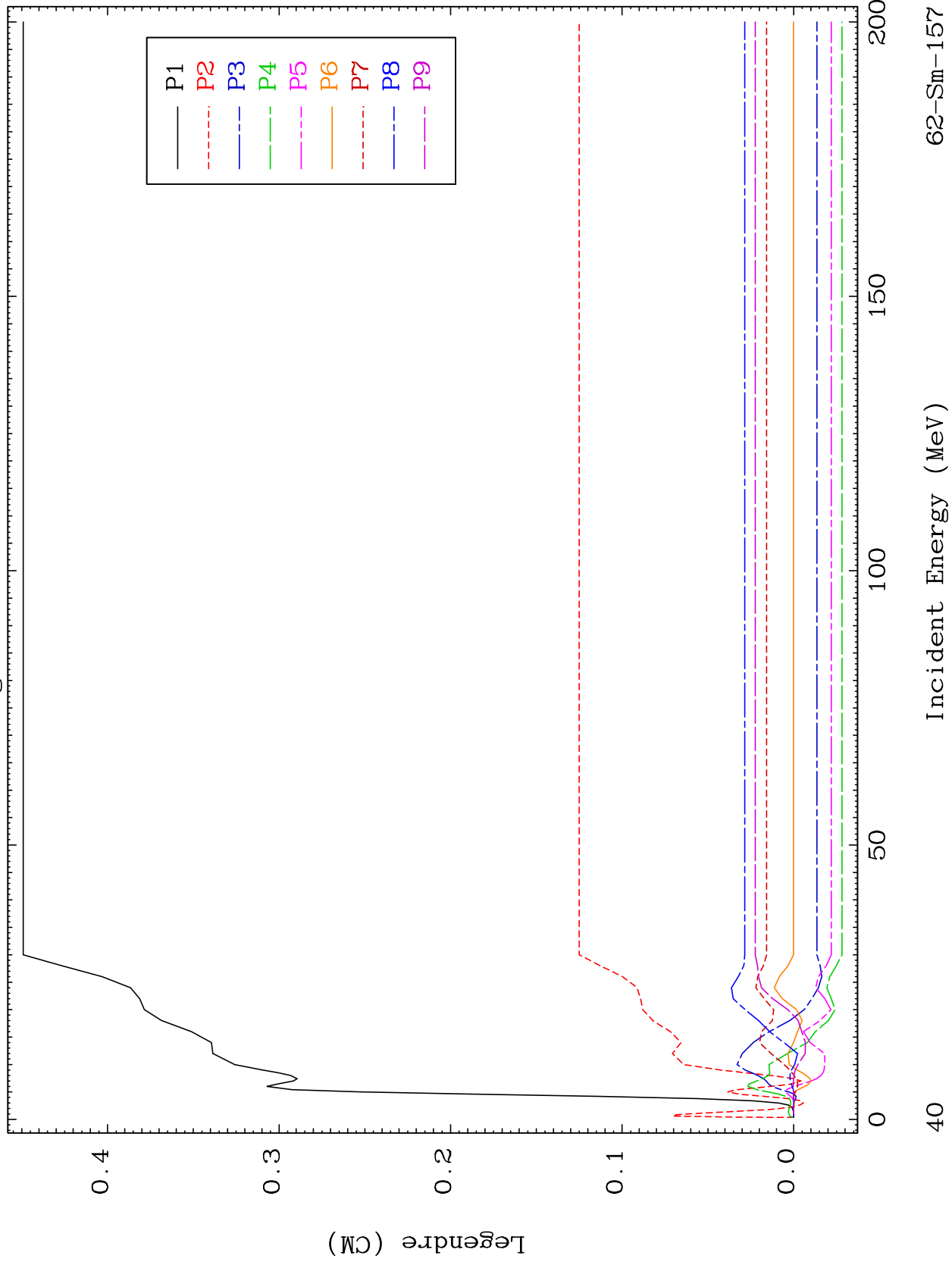
62-Sm-157



MAT 6264

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

62-Sm-157



62-Sm-157

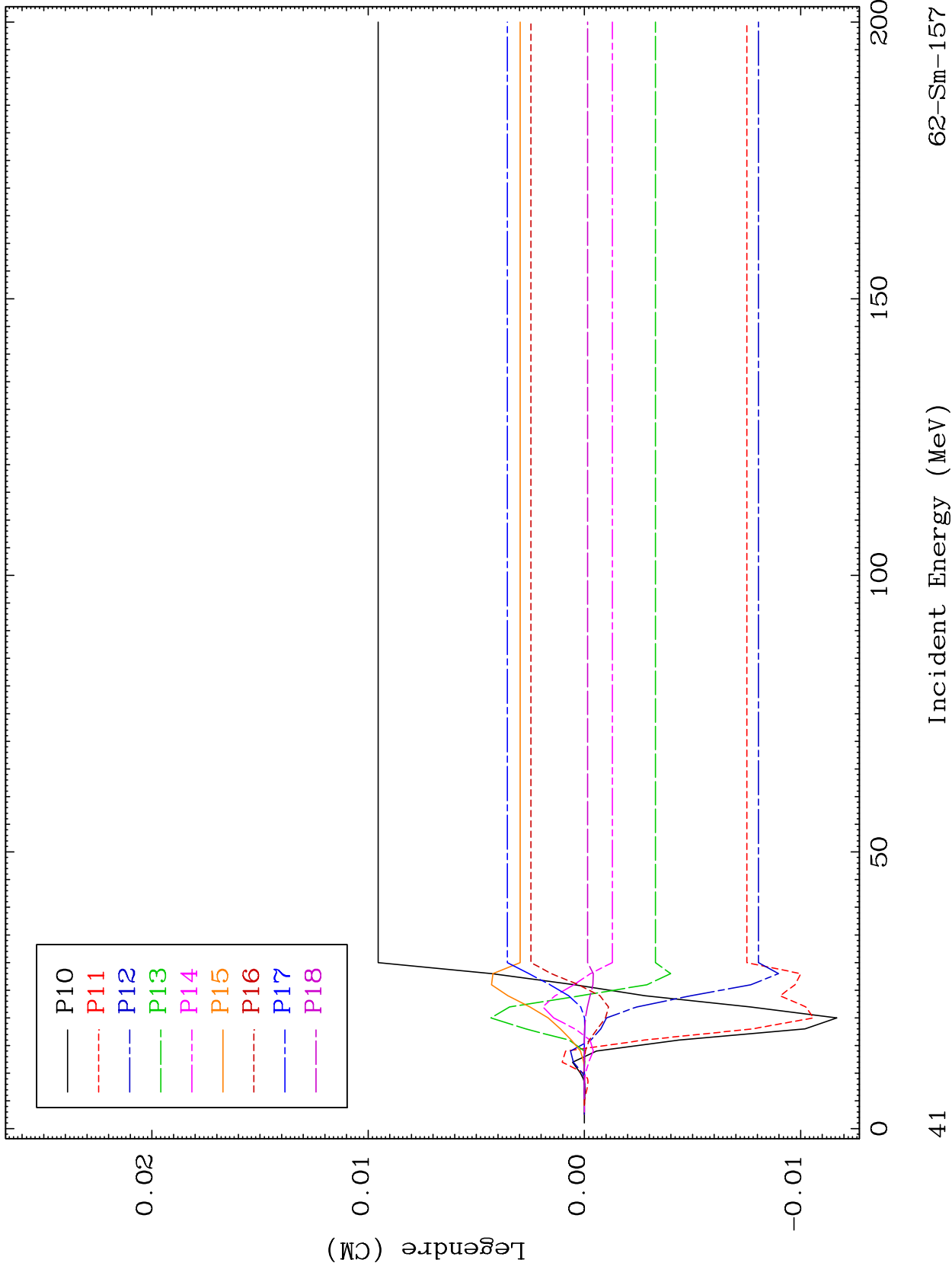
Incident Energy (MeV)

40

MAT 6264

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

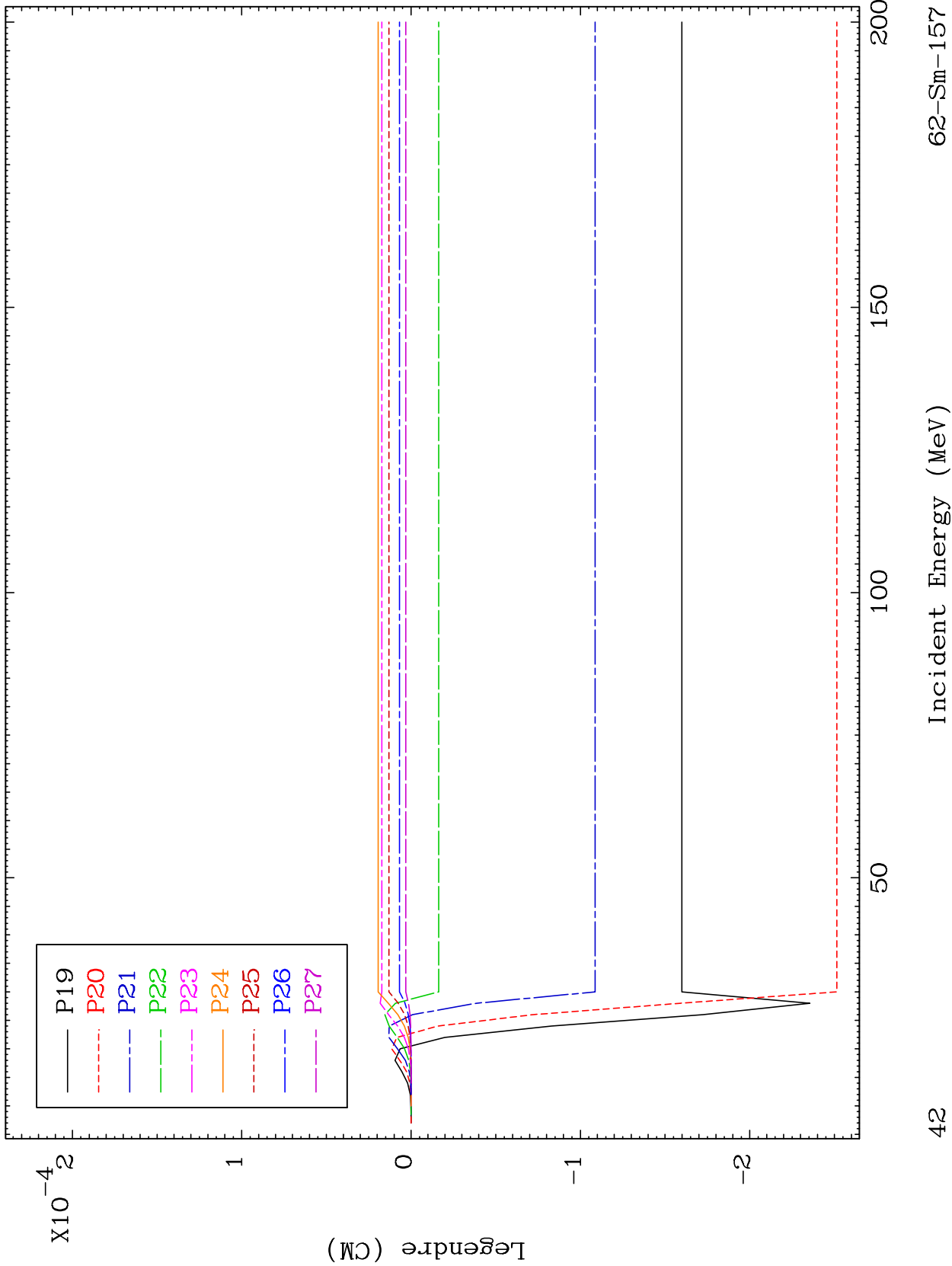
62-Sm-157



MAT 6264

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

62-Sm-157



42

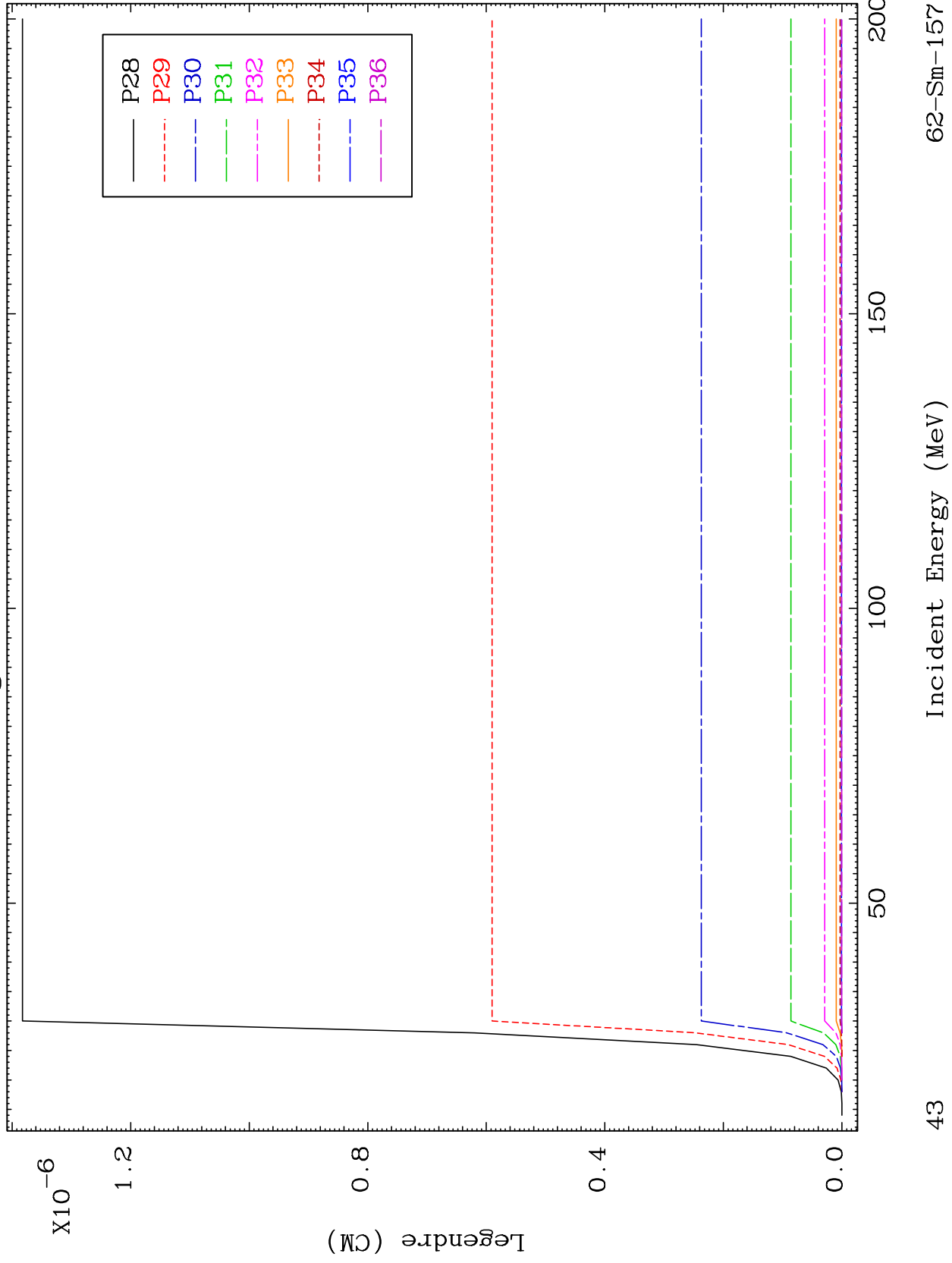
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



43

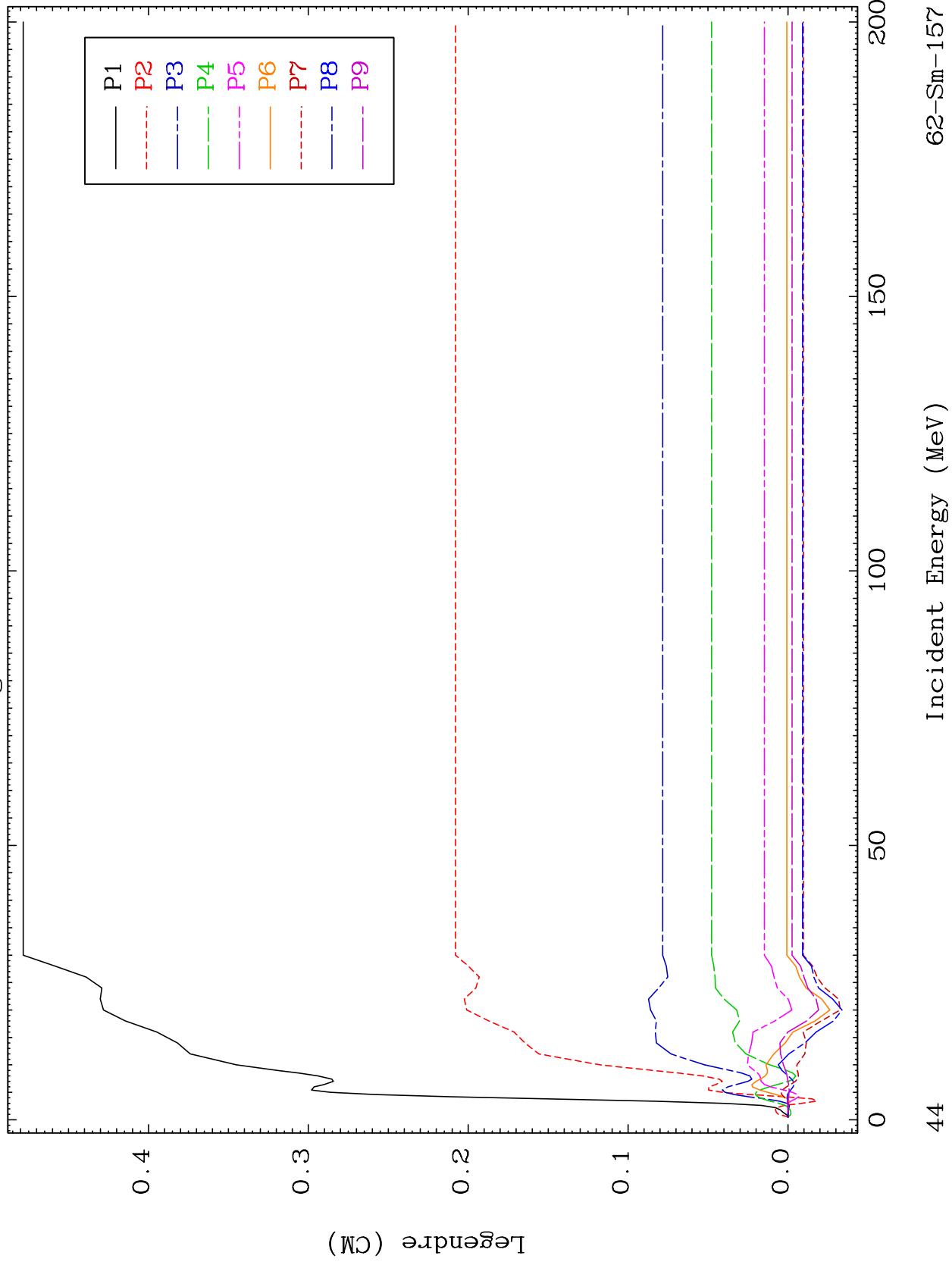
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

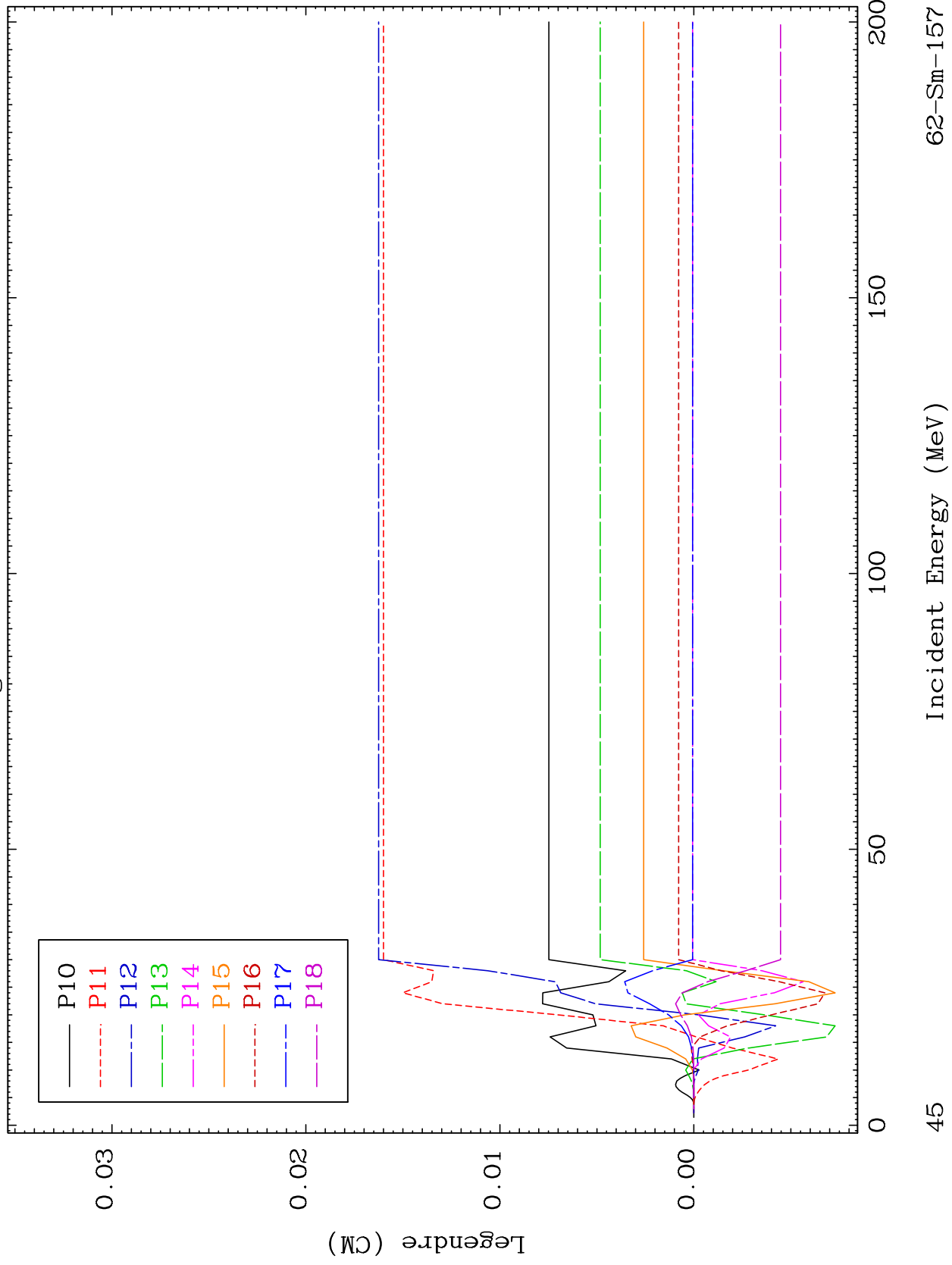
62-Sm-157



MAT 6264

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

62-Sm-157



62-Sm-157

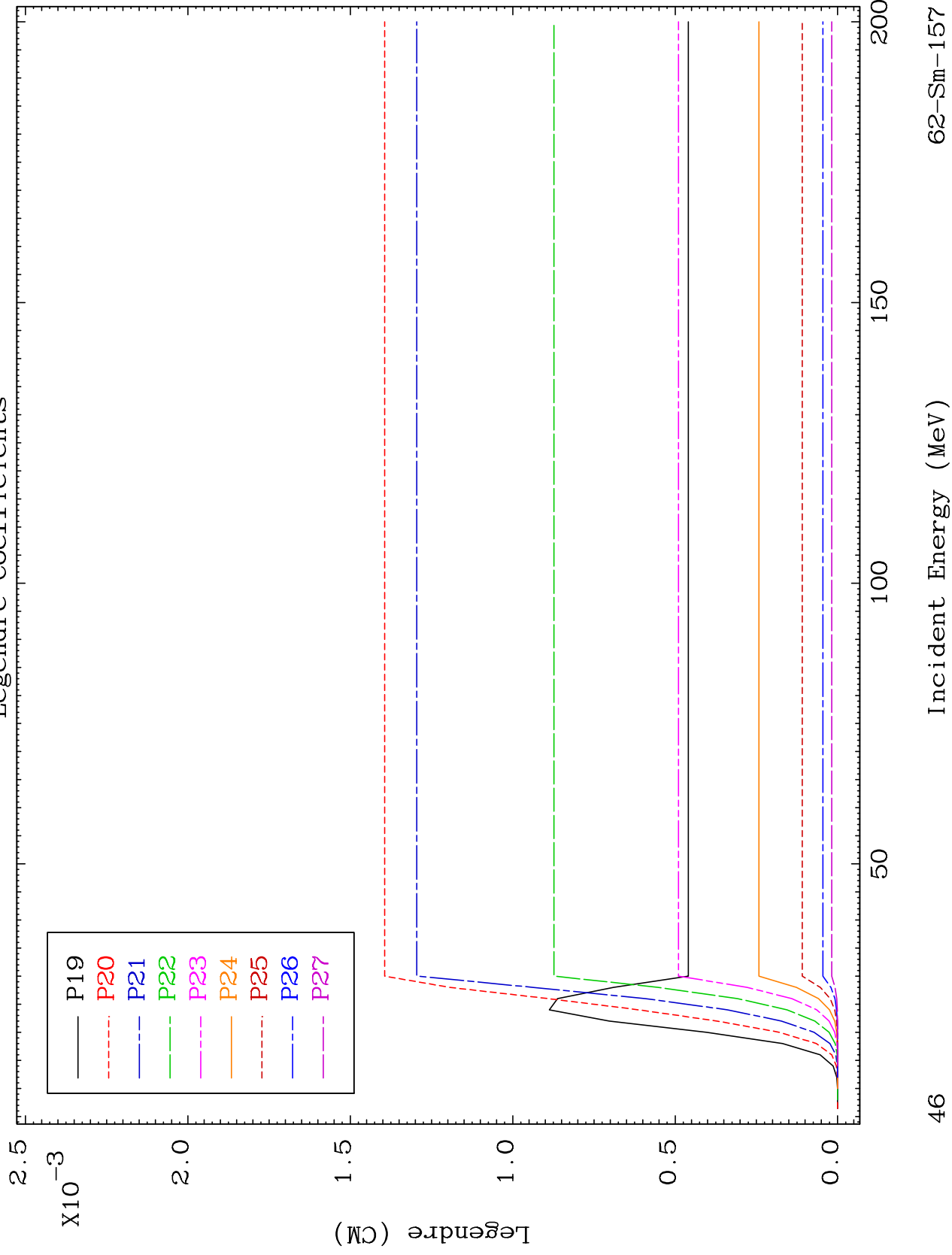
Incident Energy (MeV)

45

MAT 6264

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

62-Sm-157



46

Incident Energy (MeV)

62-Sm-157

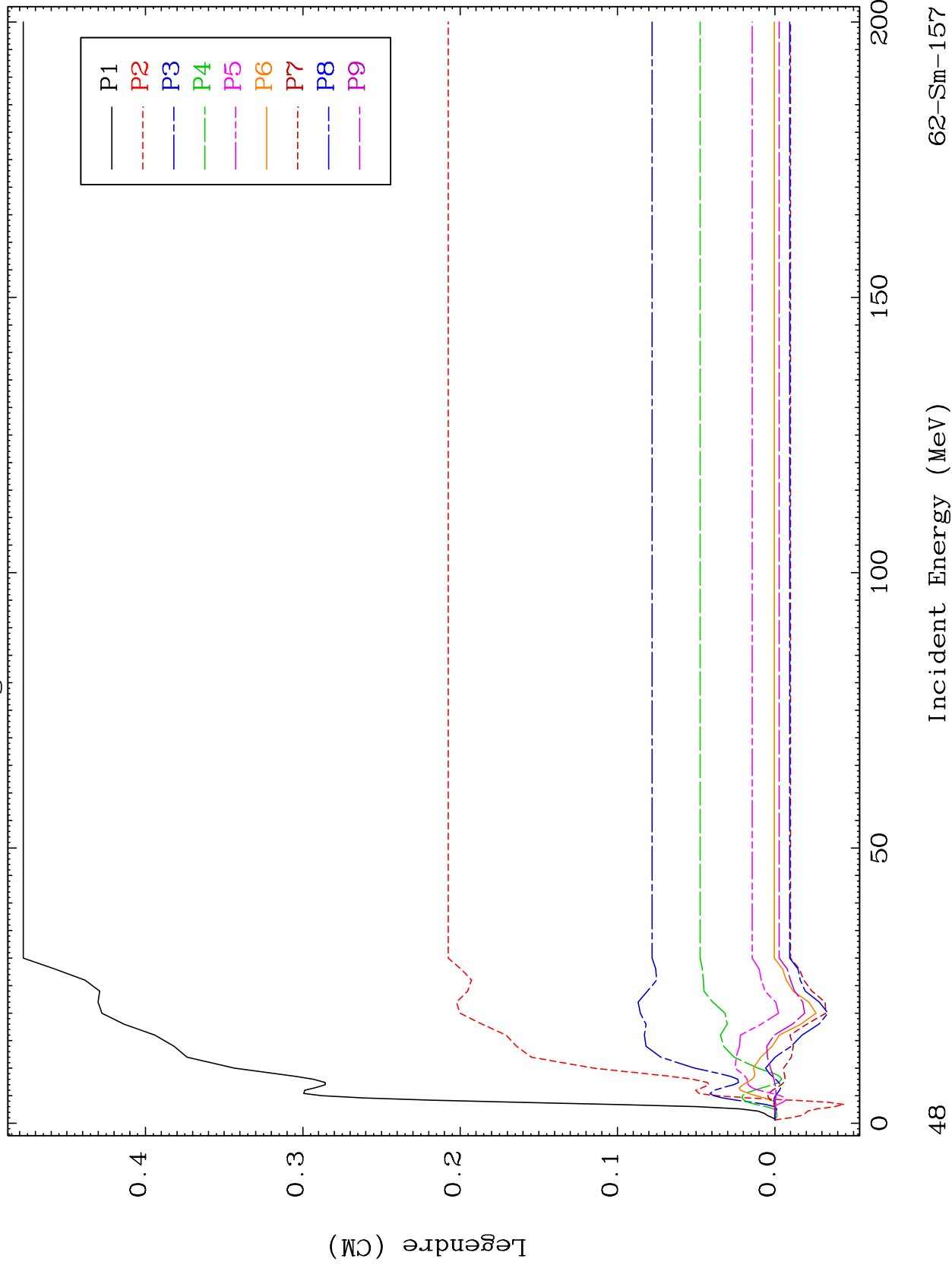




MAT 6264

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

62-Sm-157



62-Sm-157

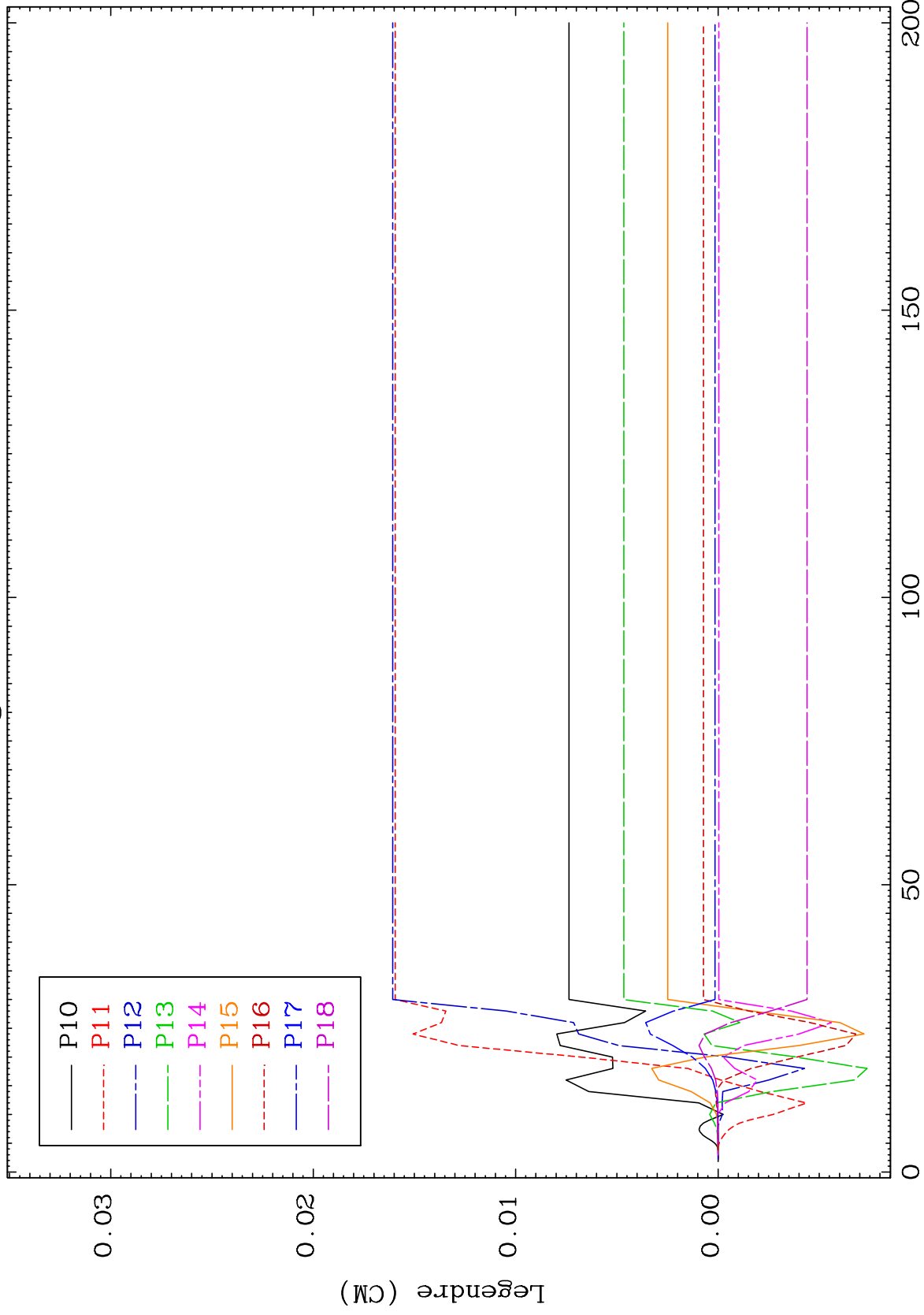
Incident Energy (MeV)

48

MAT 6264

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

62-Sm-157



49

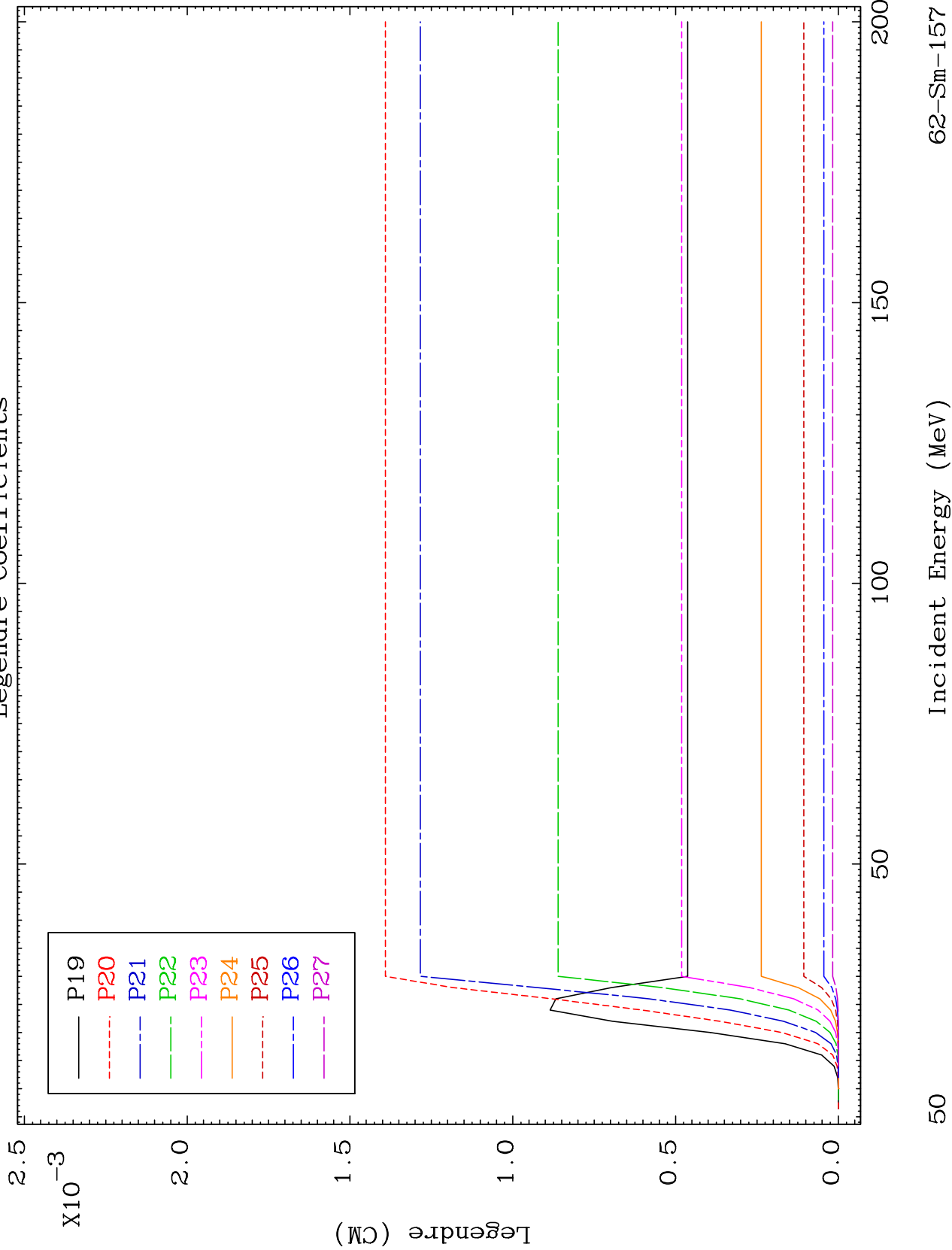
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

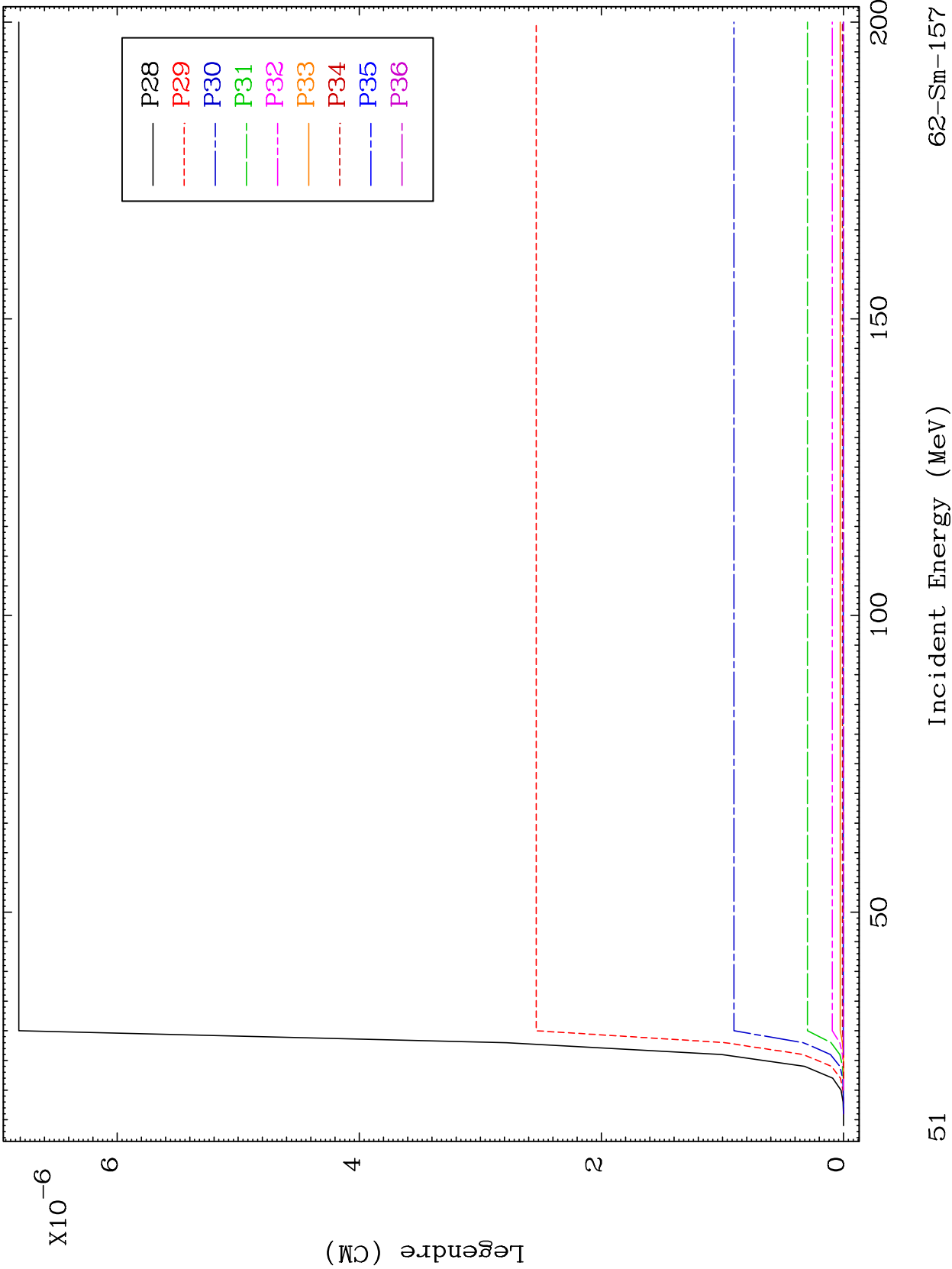
Incident Energy (MeV)

50

MAT 6264

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

62-Sm-157



51

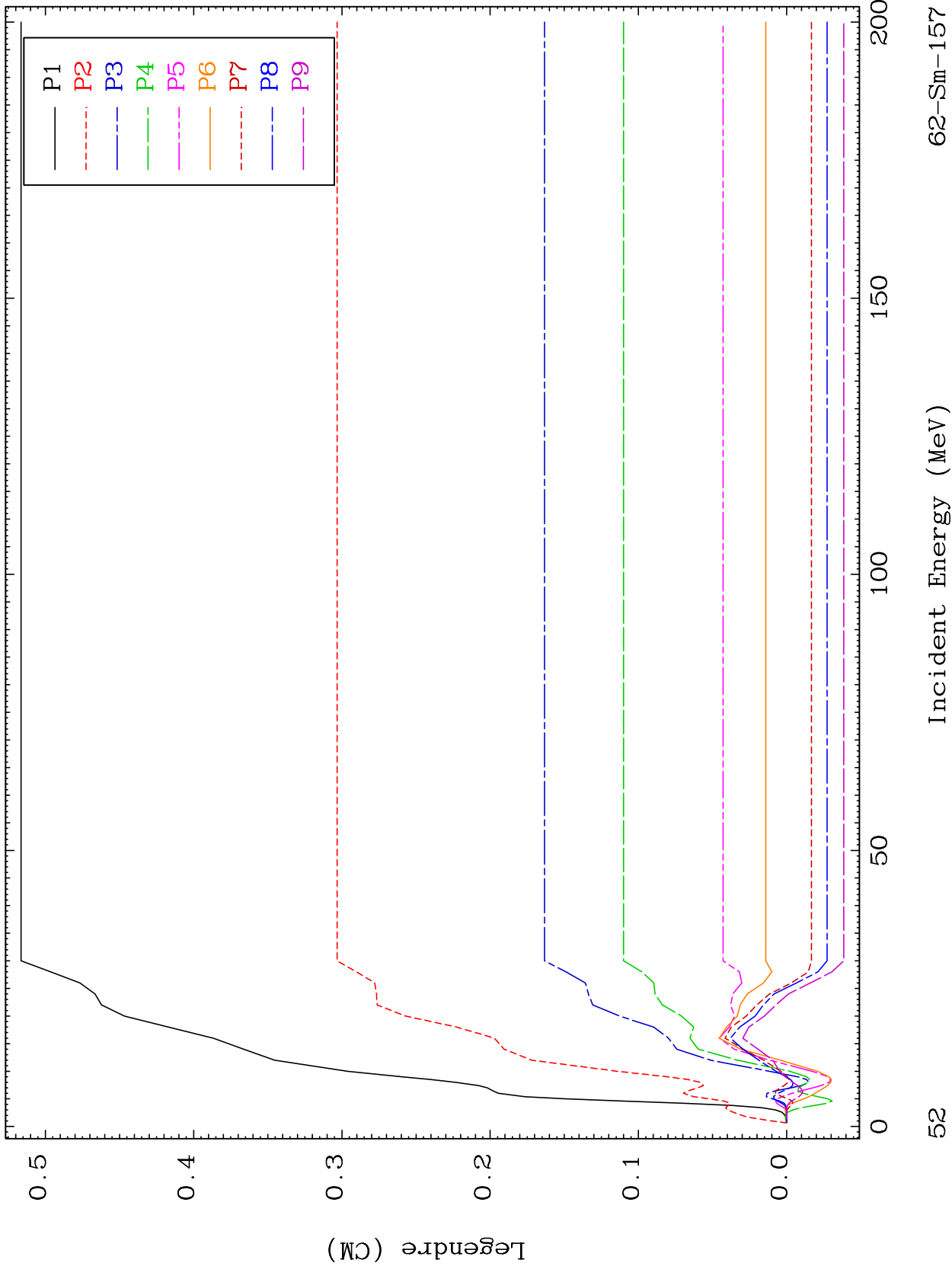
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

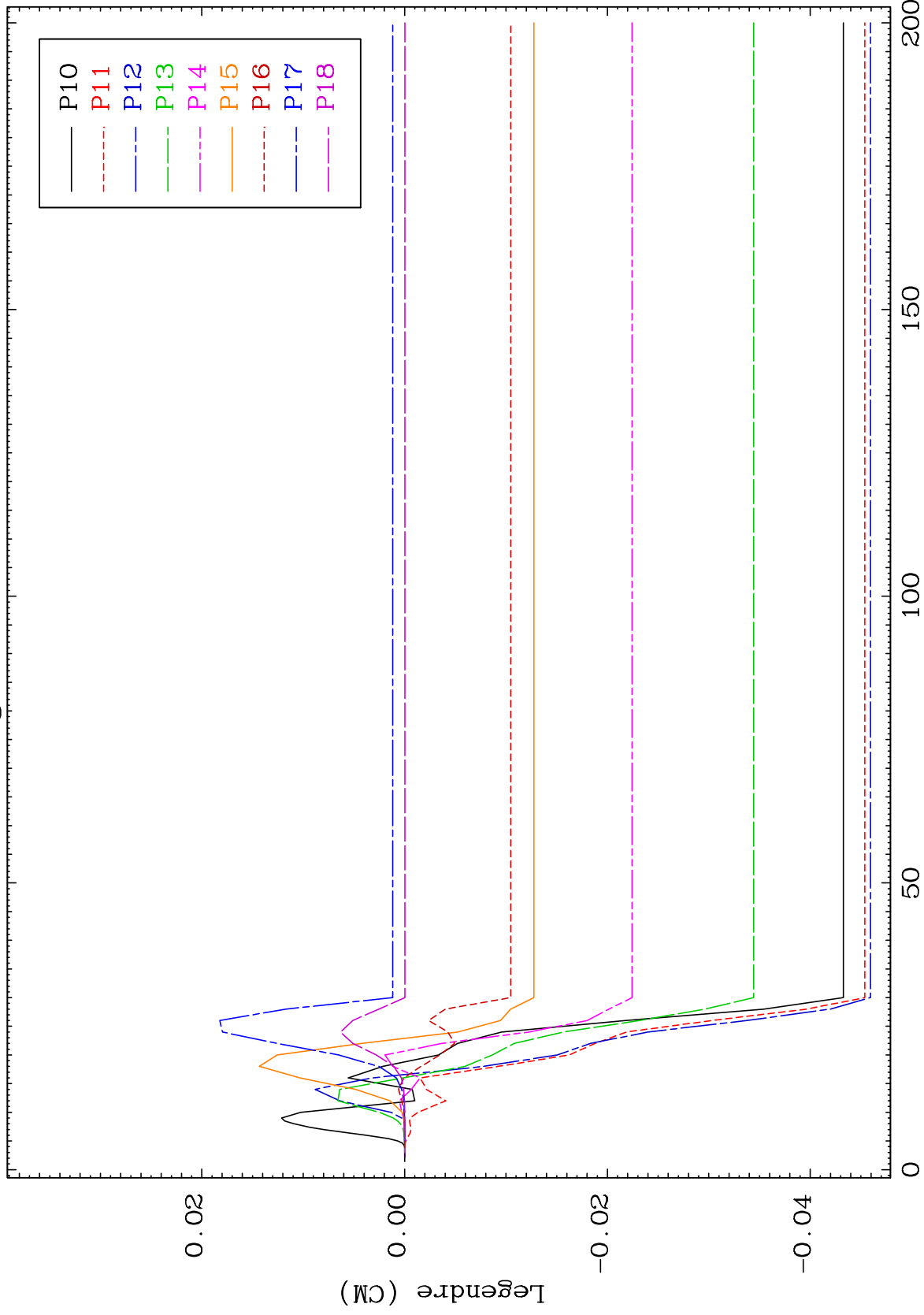
Incident Energy (MeV)

52

MAT 6264

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

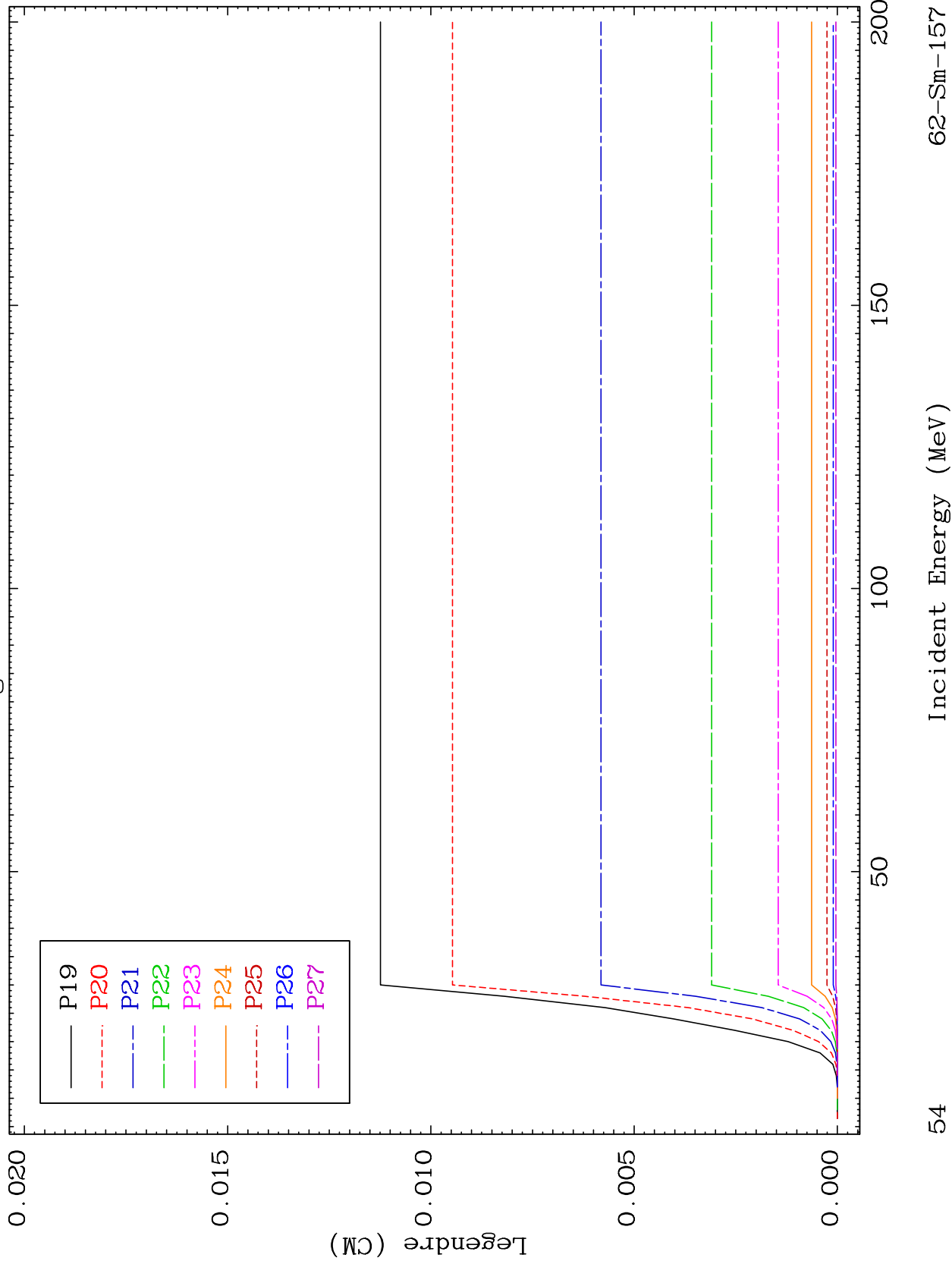
62-Sm-157



53

Incident Energy (MeV)

62-Sm-157



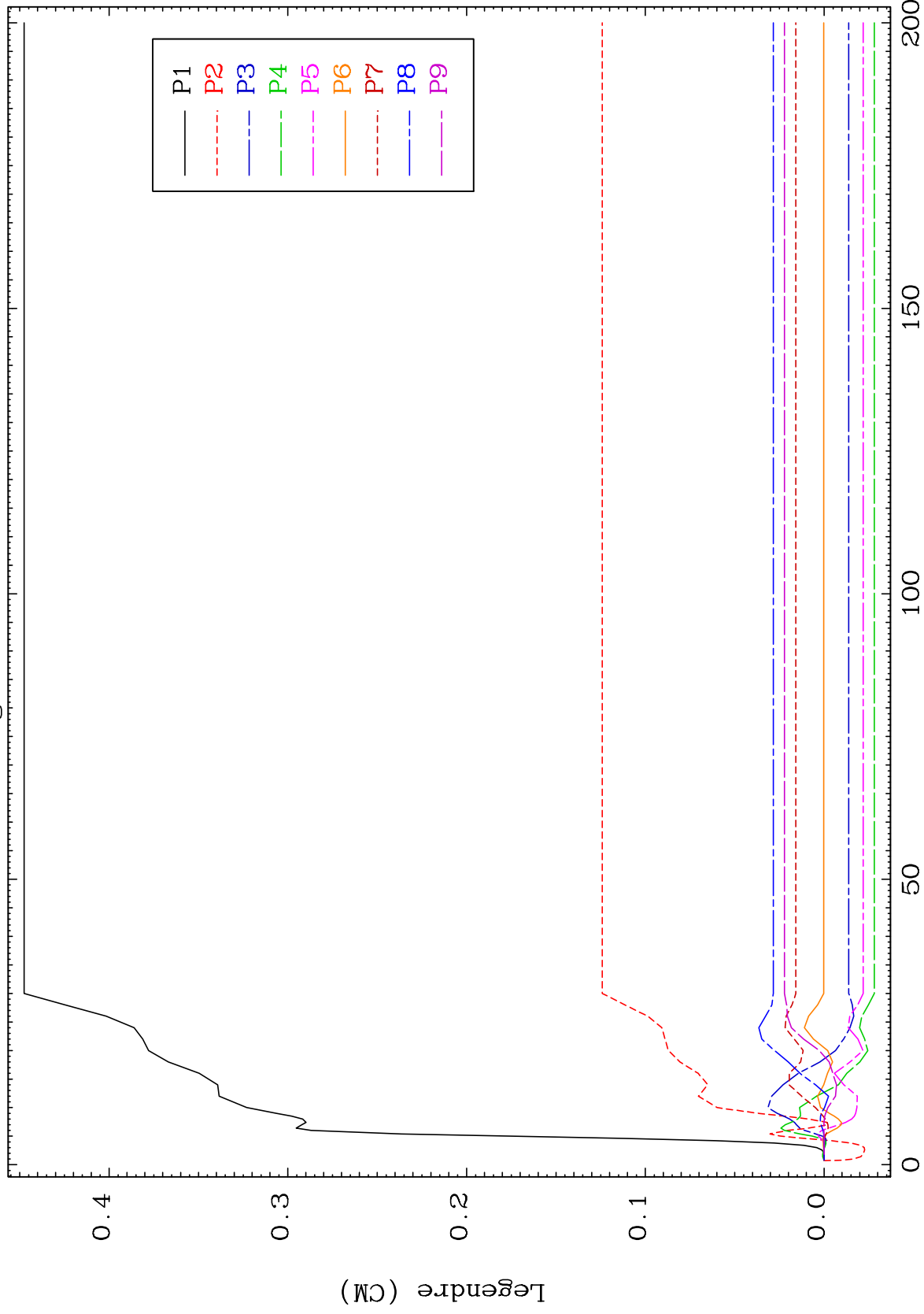




MAT 6264

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

62-Sm-157



56

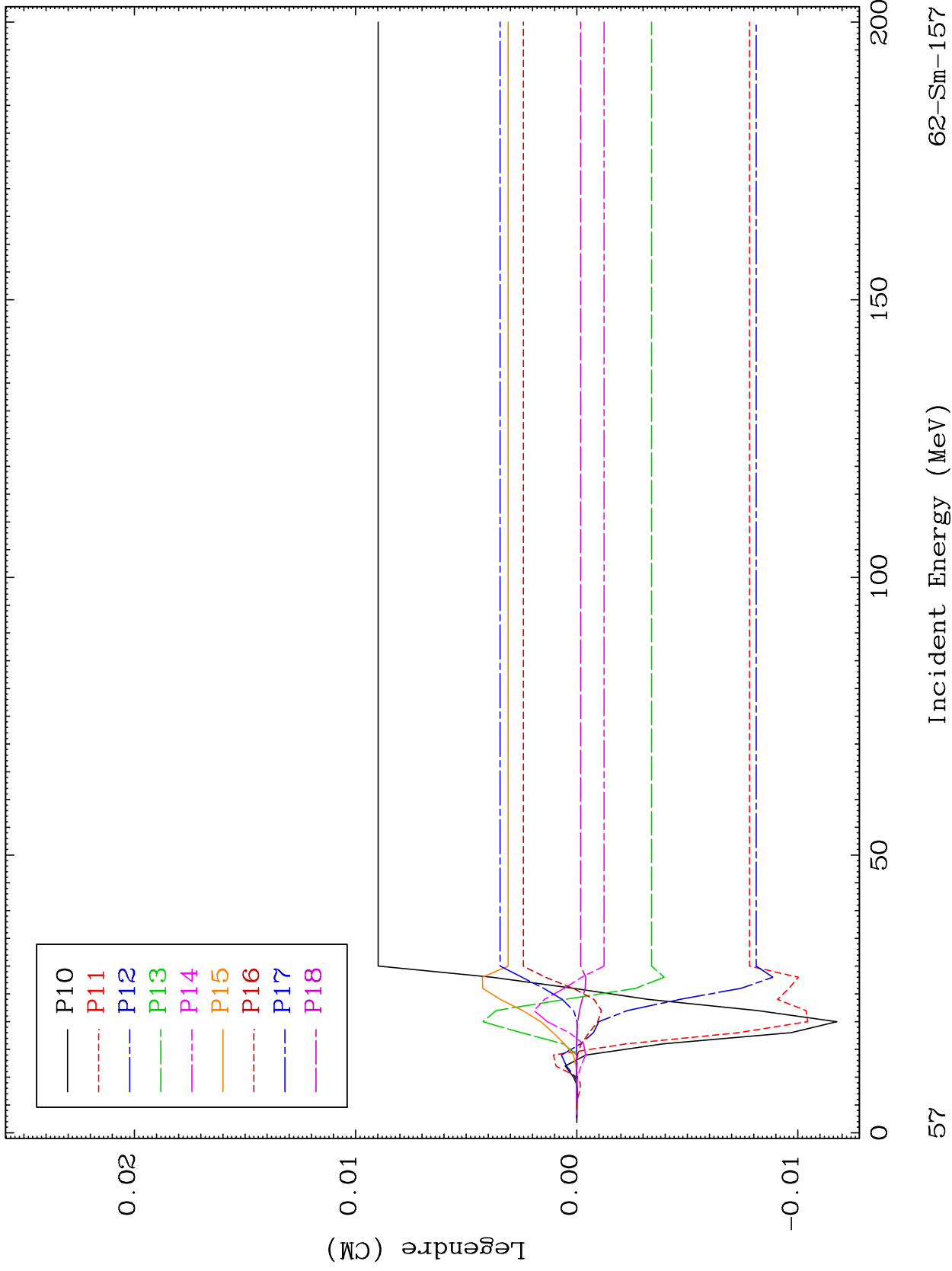
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

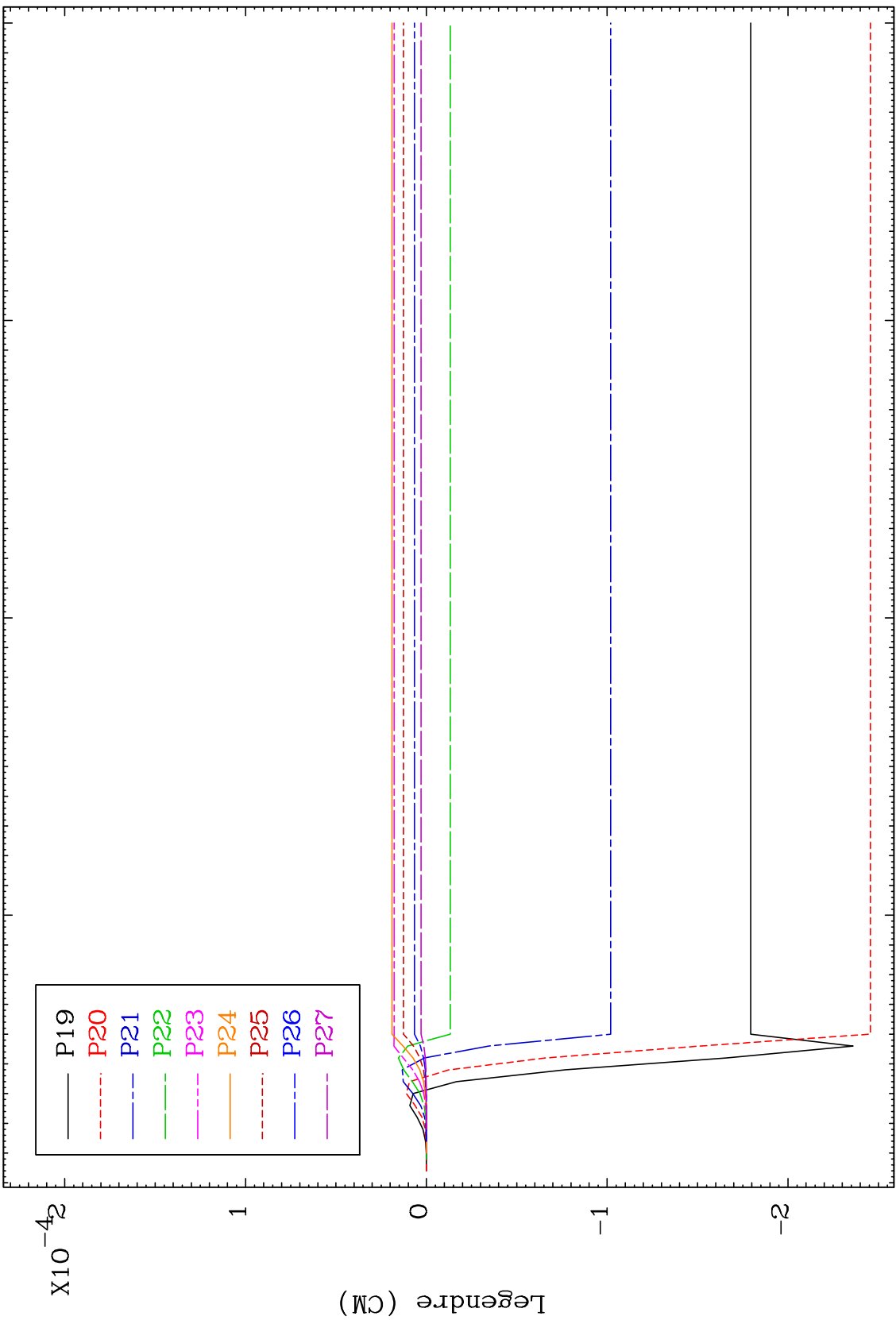
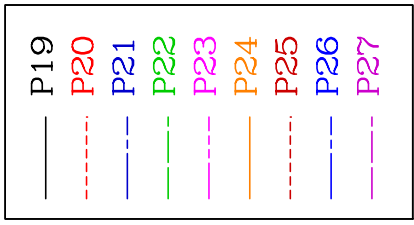
62-Sm-157



MAT 6264

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

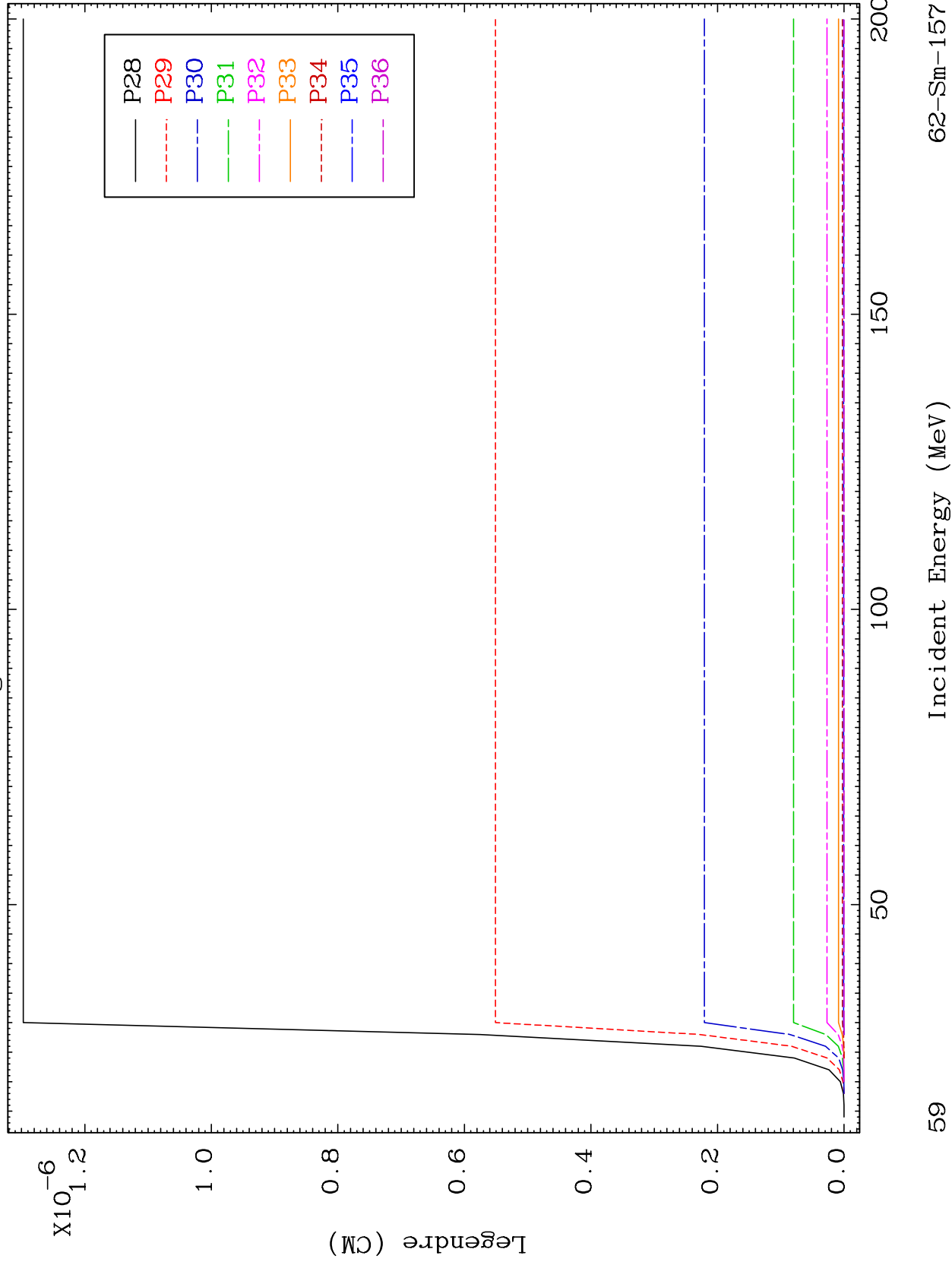
62-Sm-157



MAT 6264

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

62-Sm-157



59

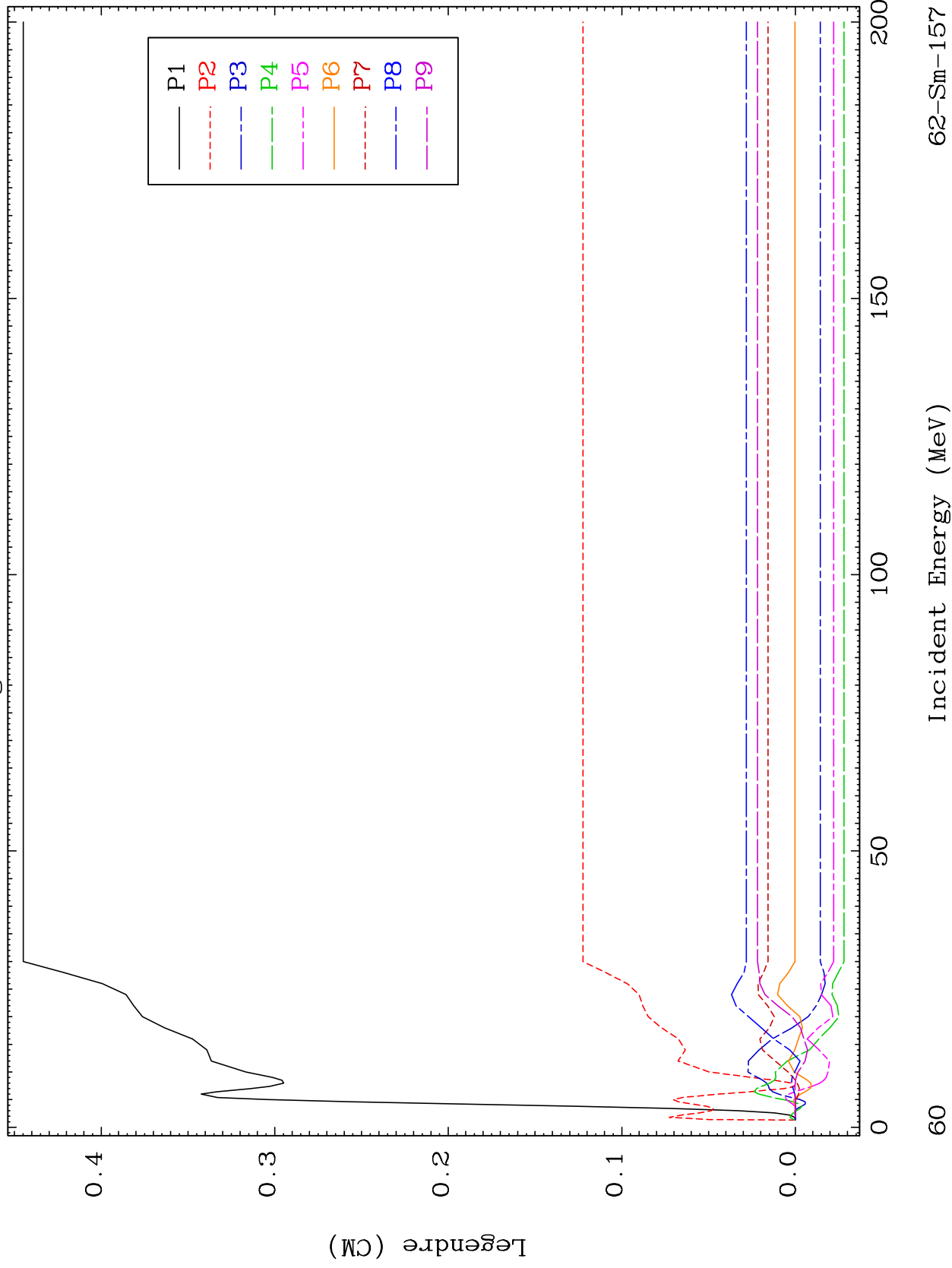
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

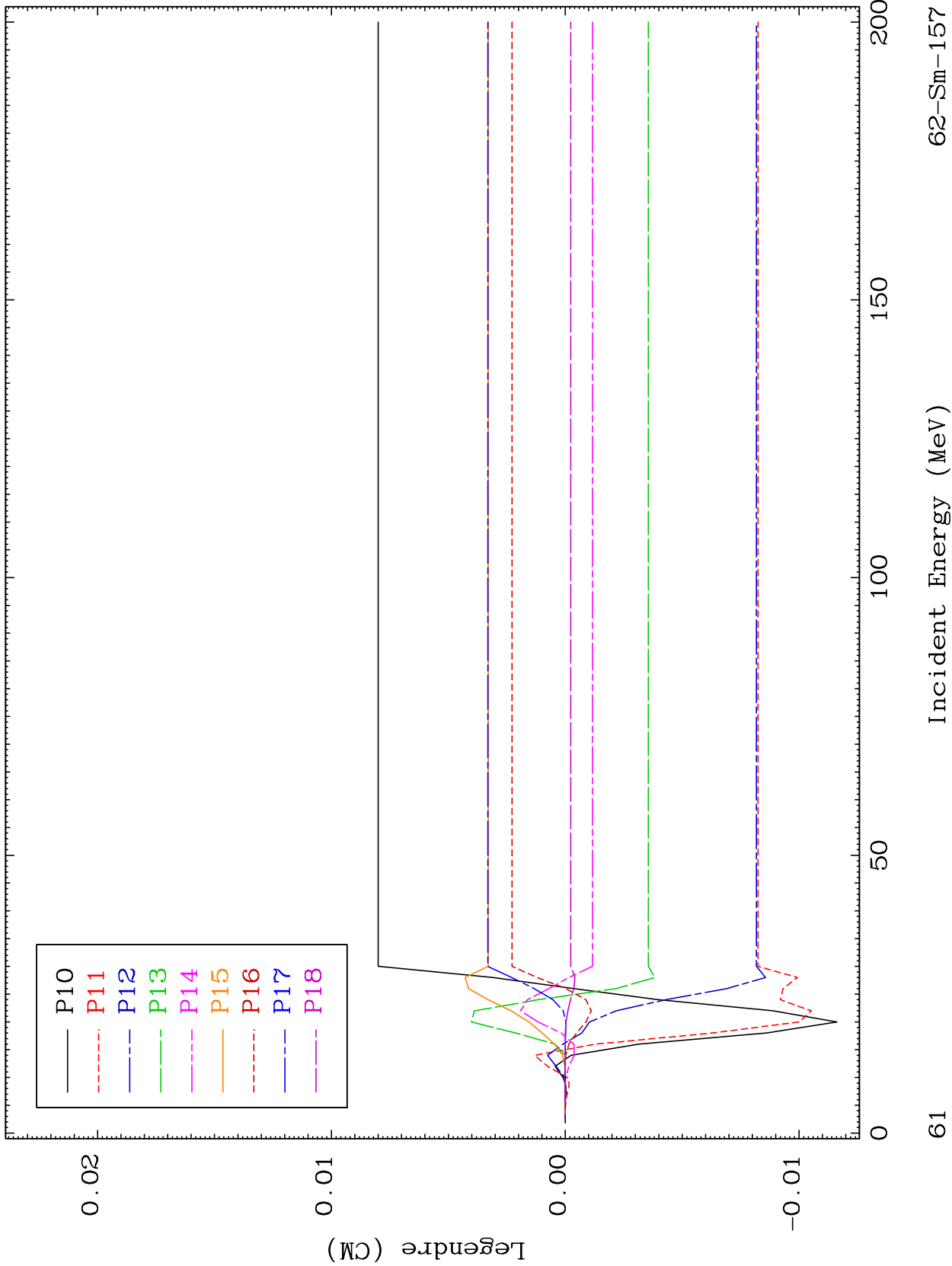
Incident Energy (MeV)

60

MAT 6264

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

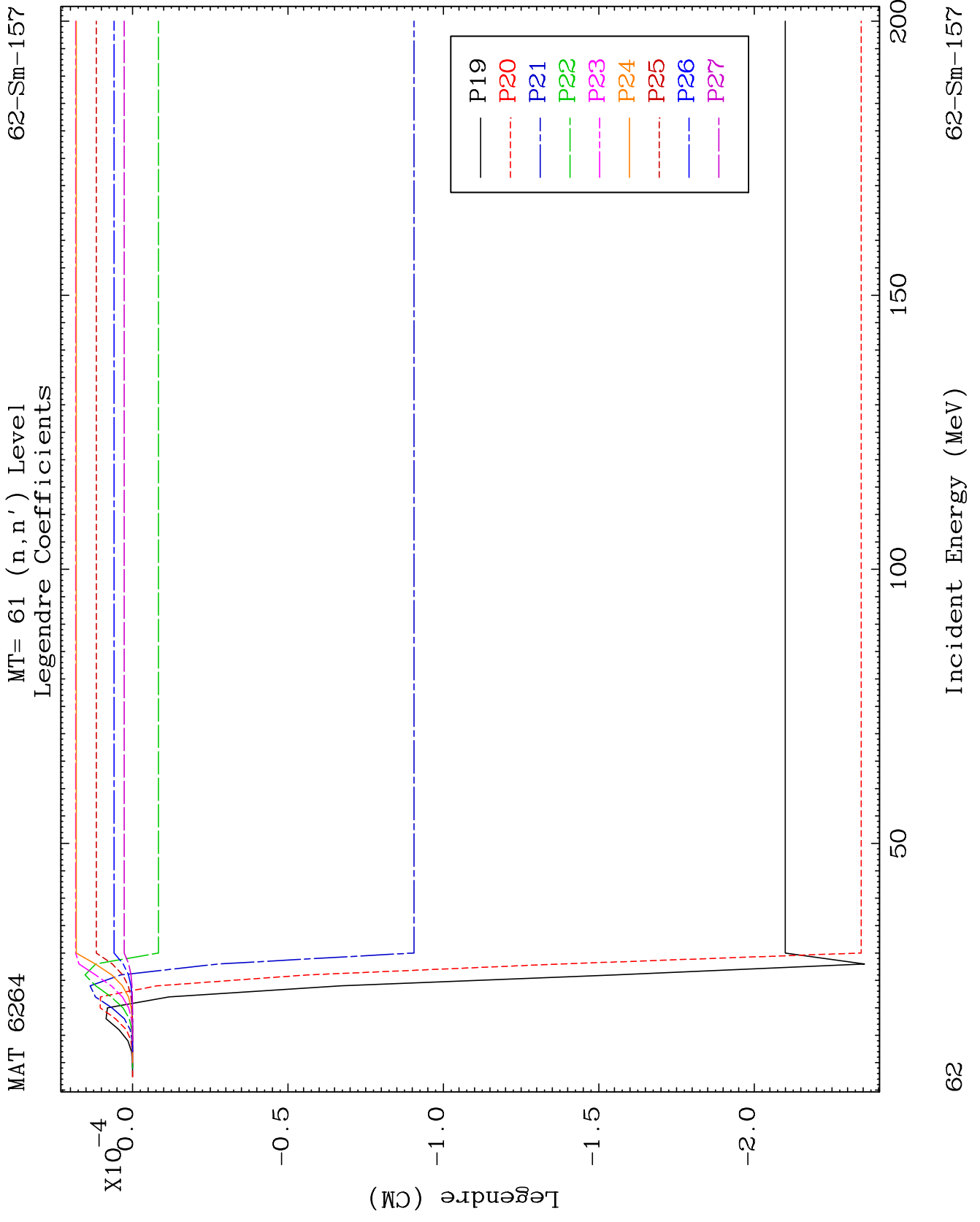
62-Sm-157



61

Incident Energy (MeV)

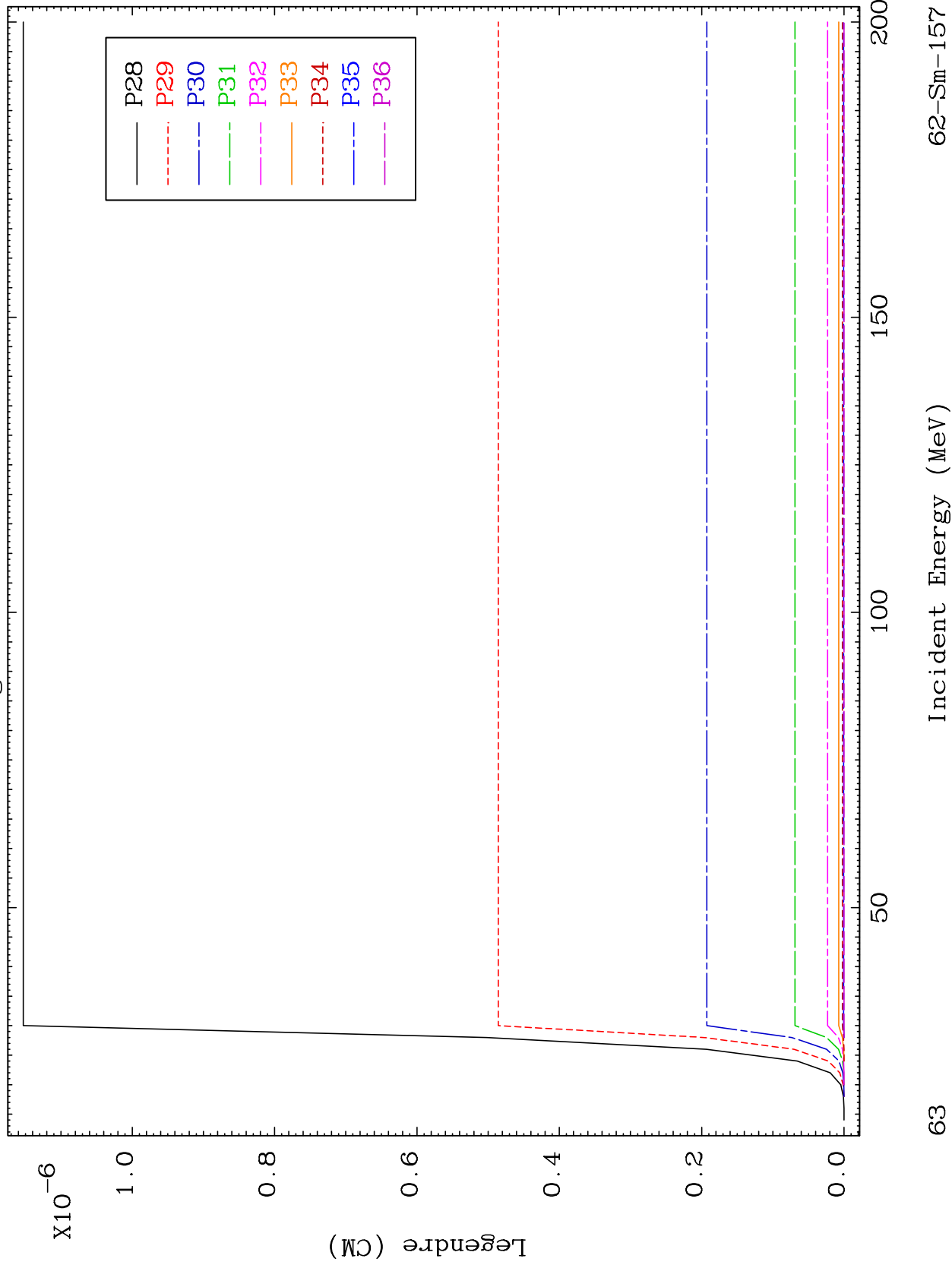
62-Sm-157



MAT 6264

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

62-Sm-157



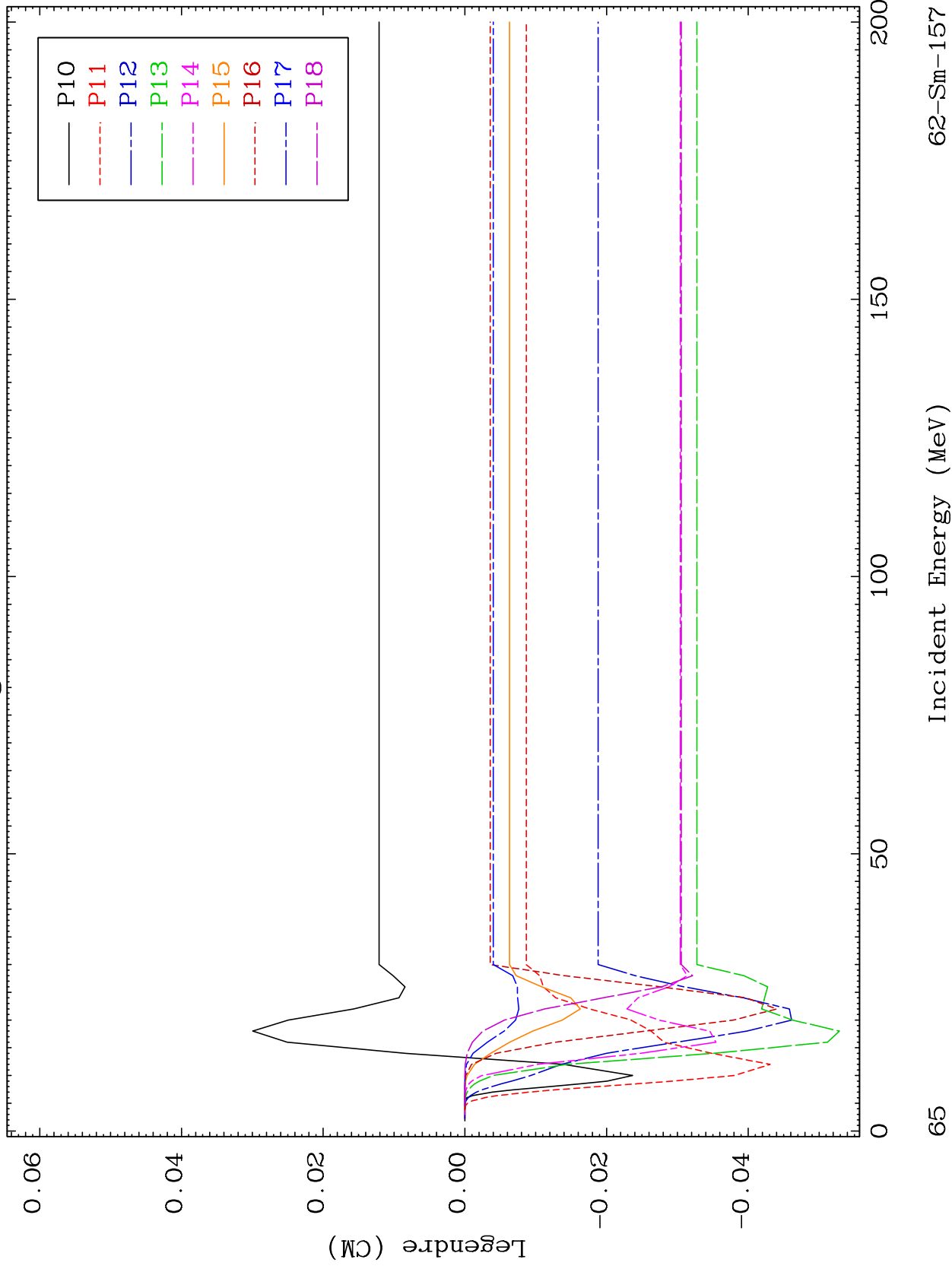




MAT 6264

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

62-Sm-157



62-Sm-157

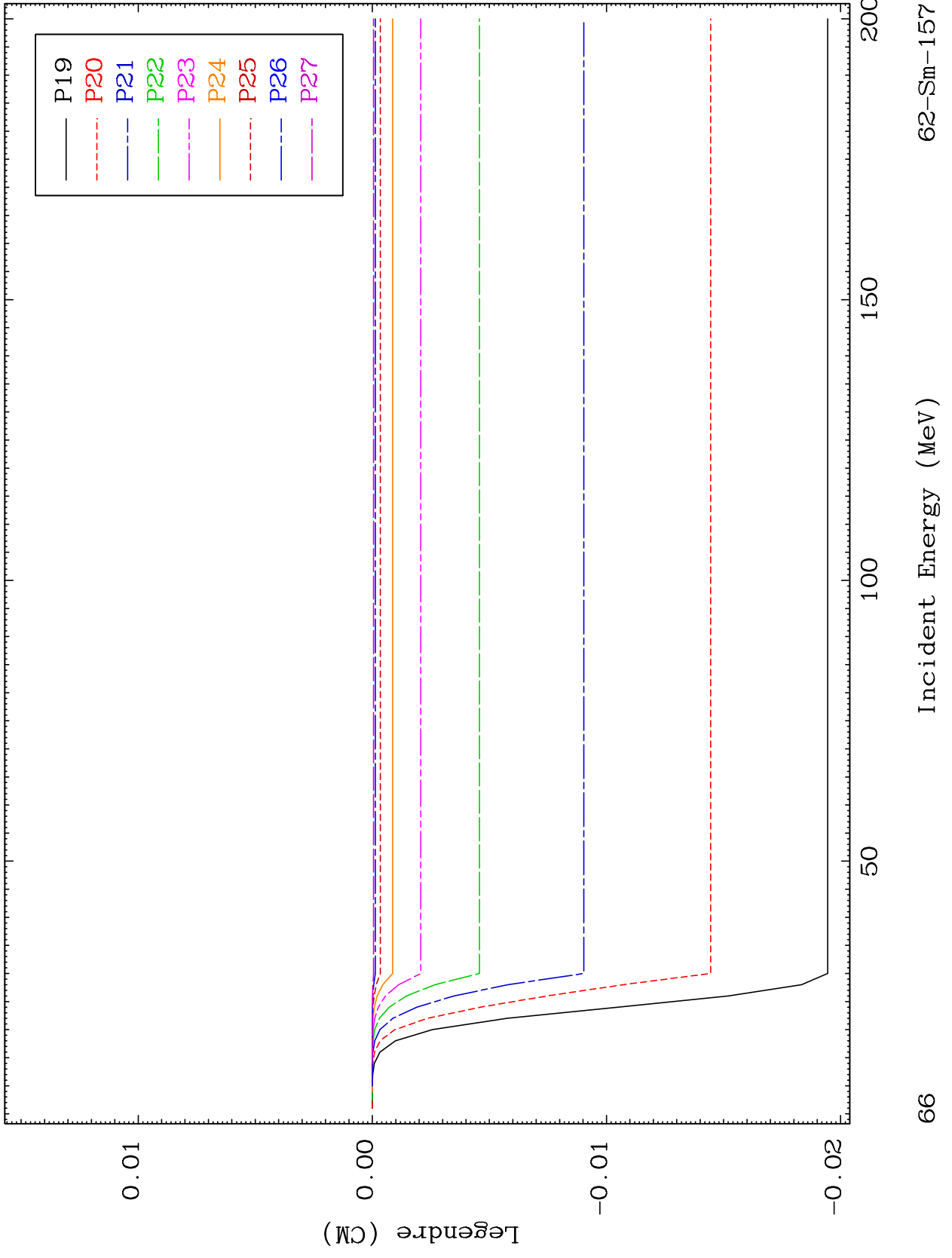
Incident Energy (MeV)

65

MAT 6264

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

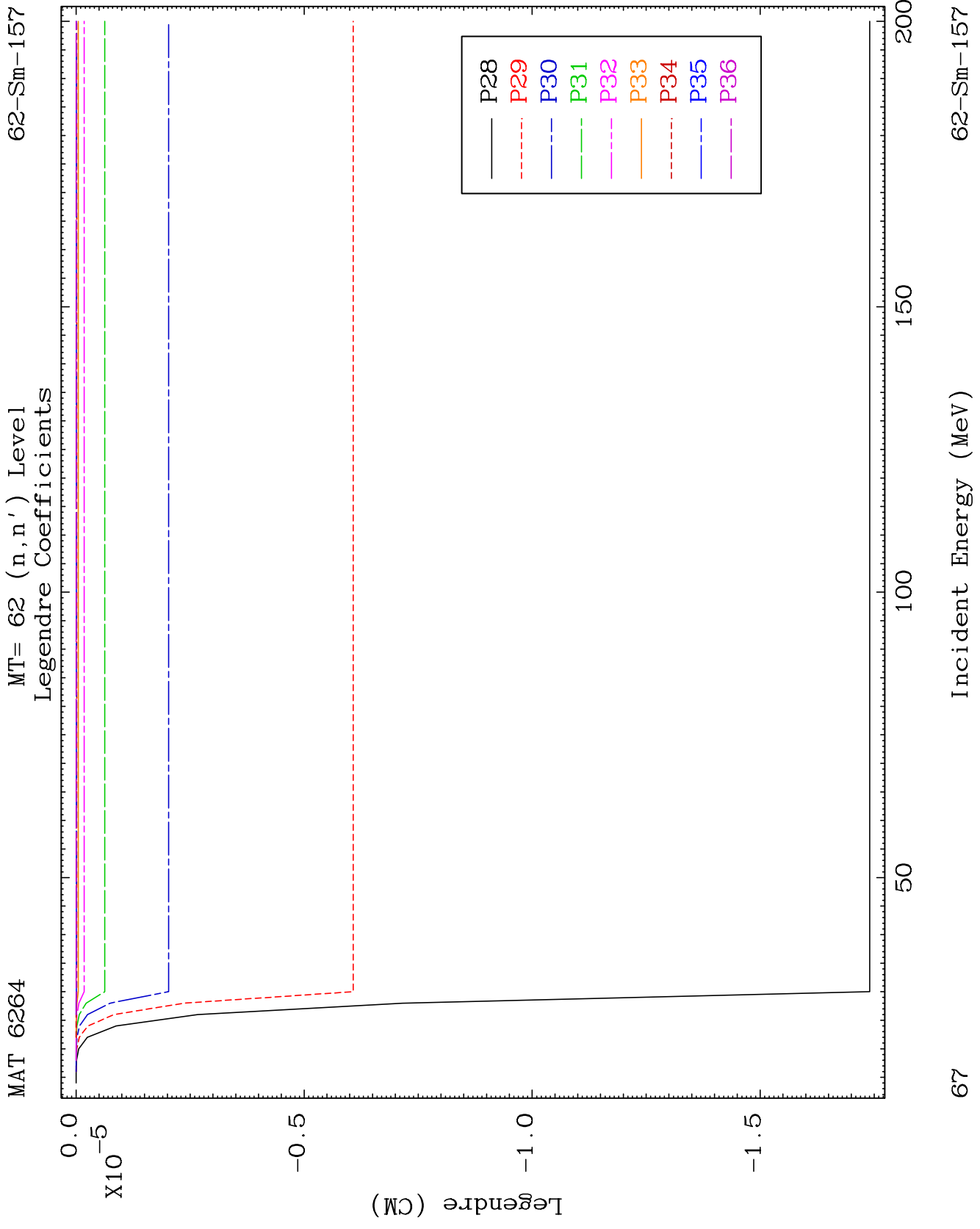
62-Sm-157

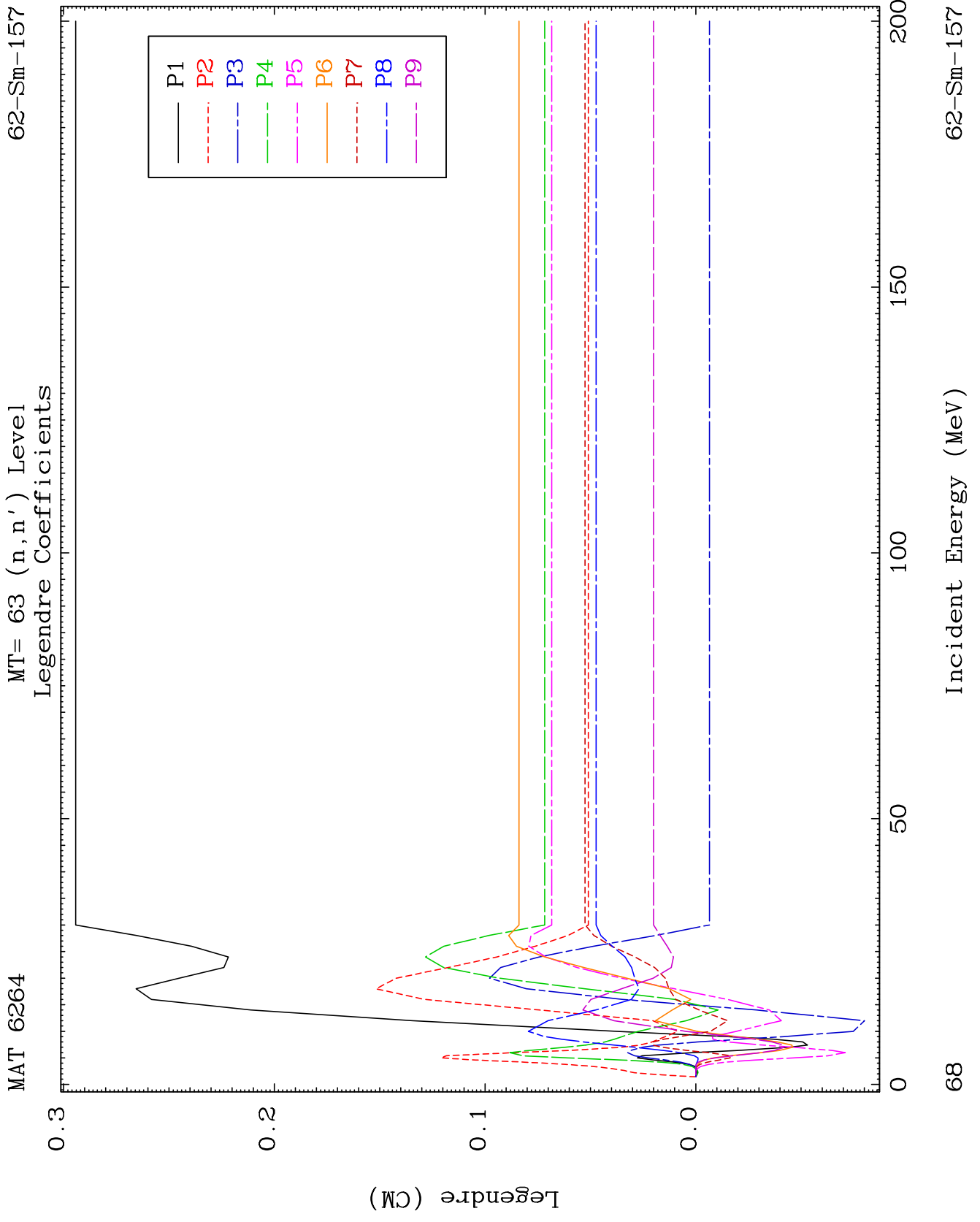


66

Incident Energy (MeV)

62-Sm-157

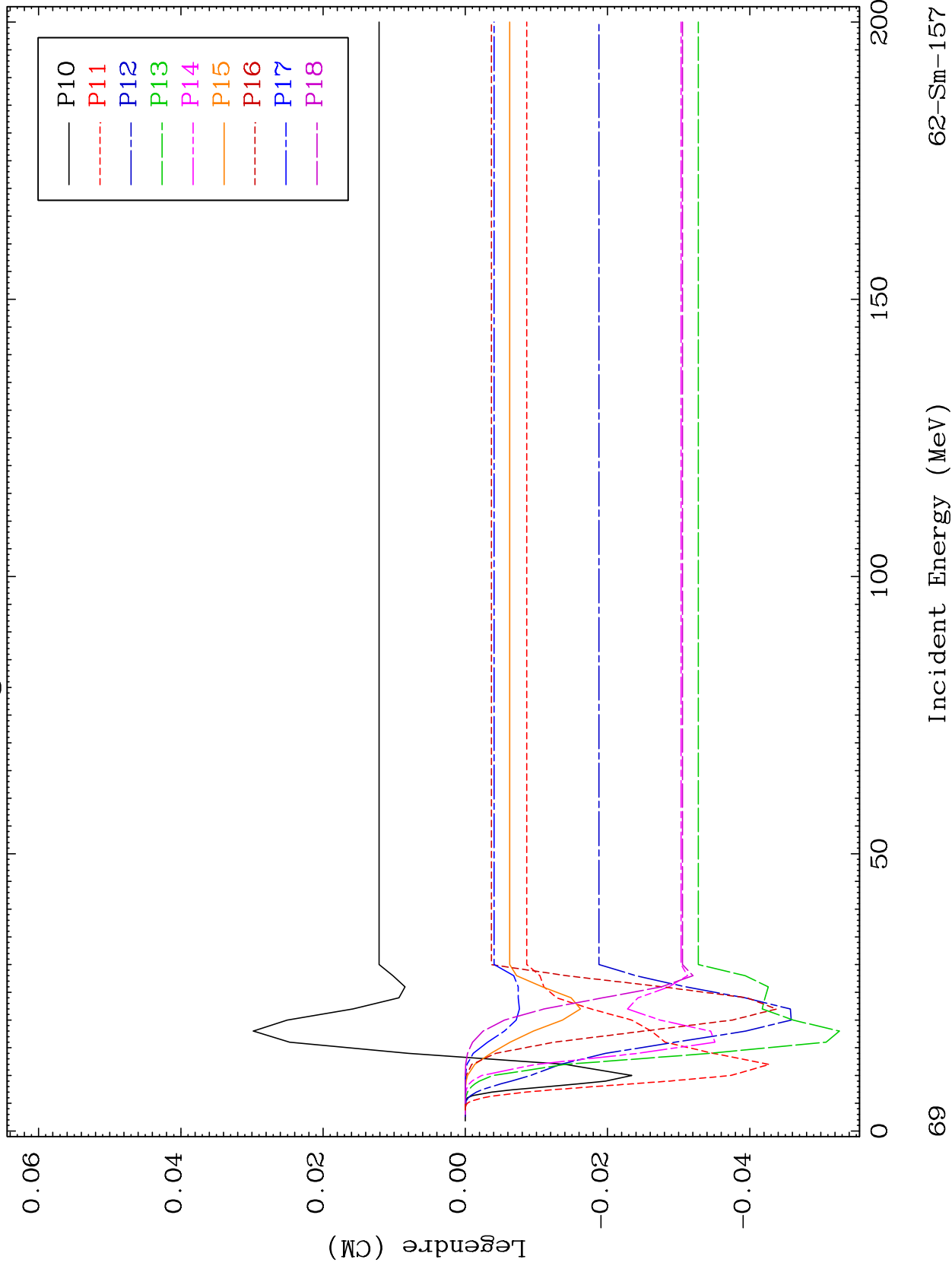




MAT 6264

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

62-Sm-157



69

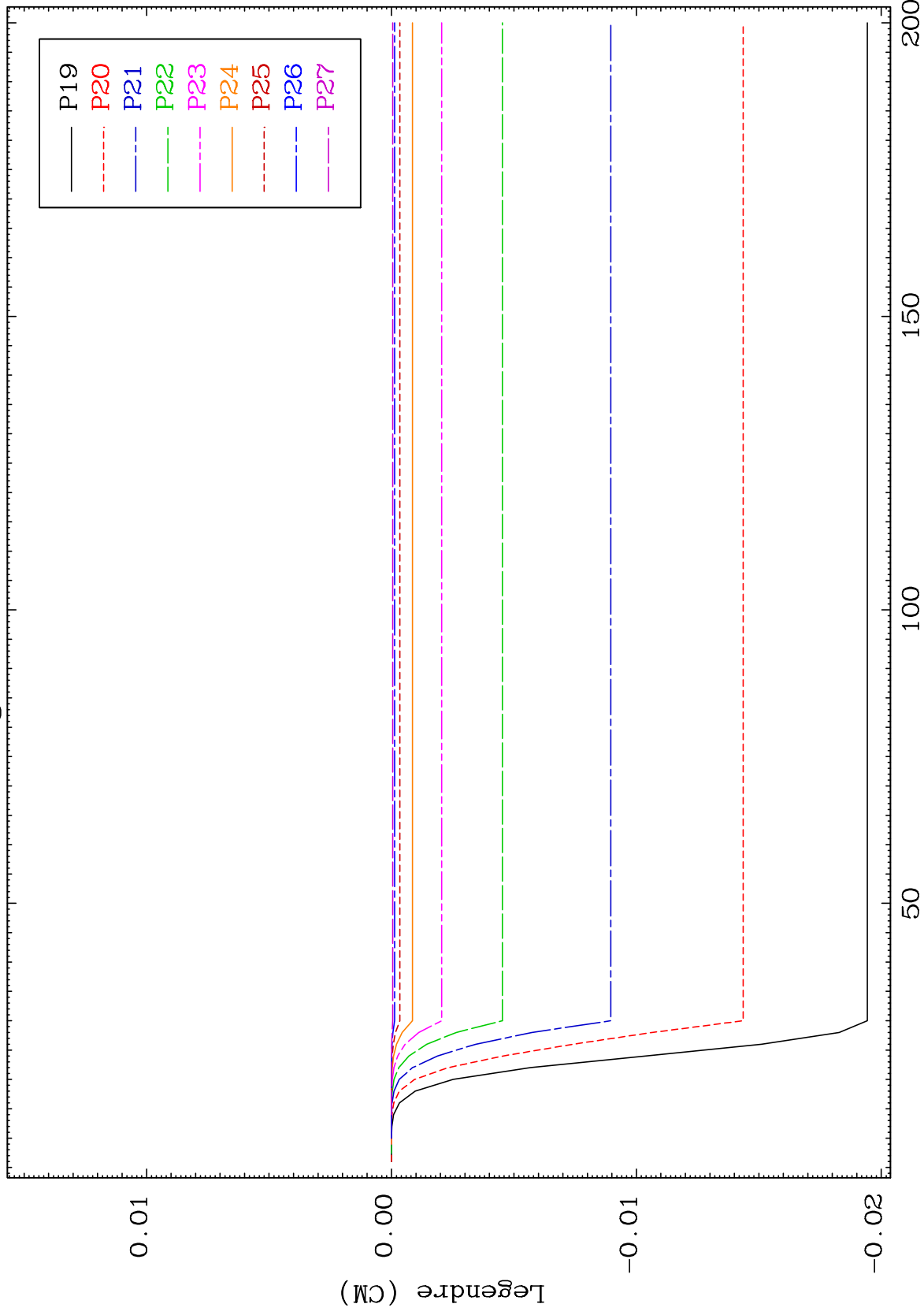
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



70

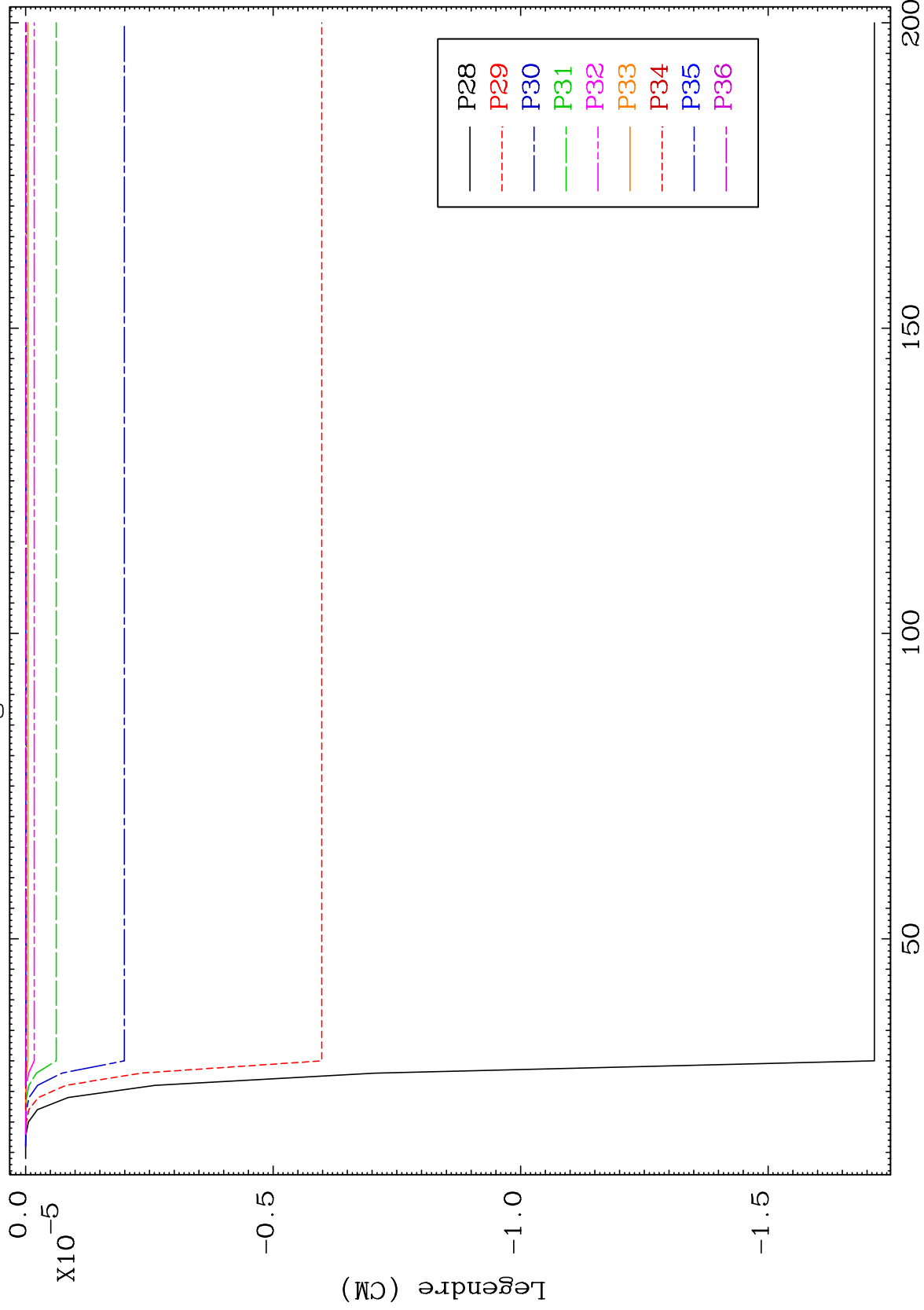
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



71

Incident Energy (MeV)

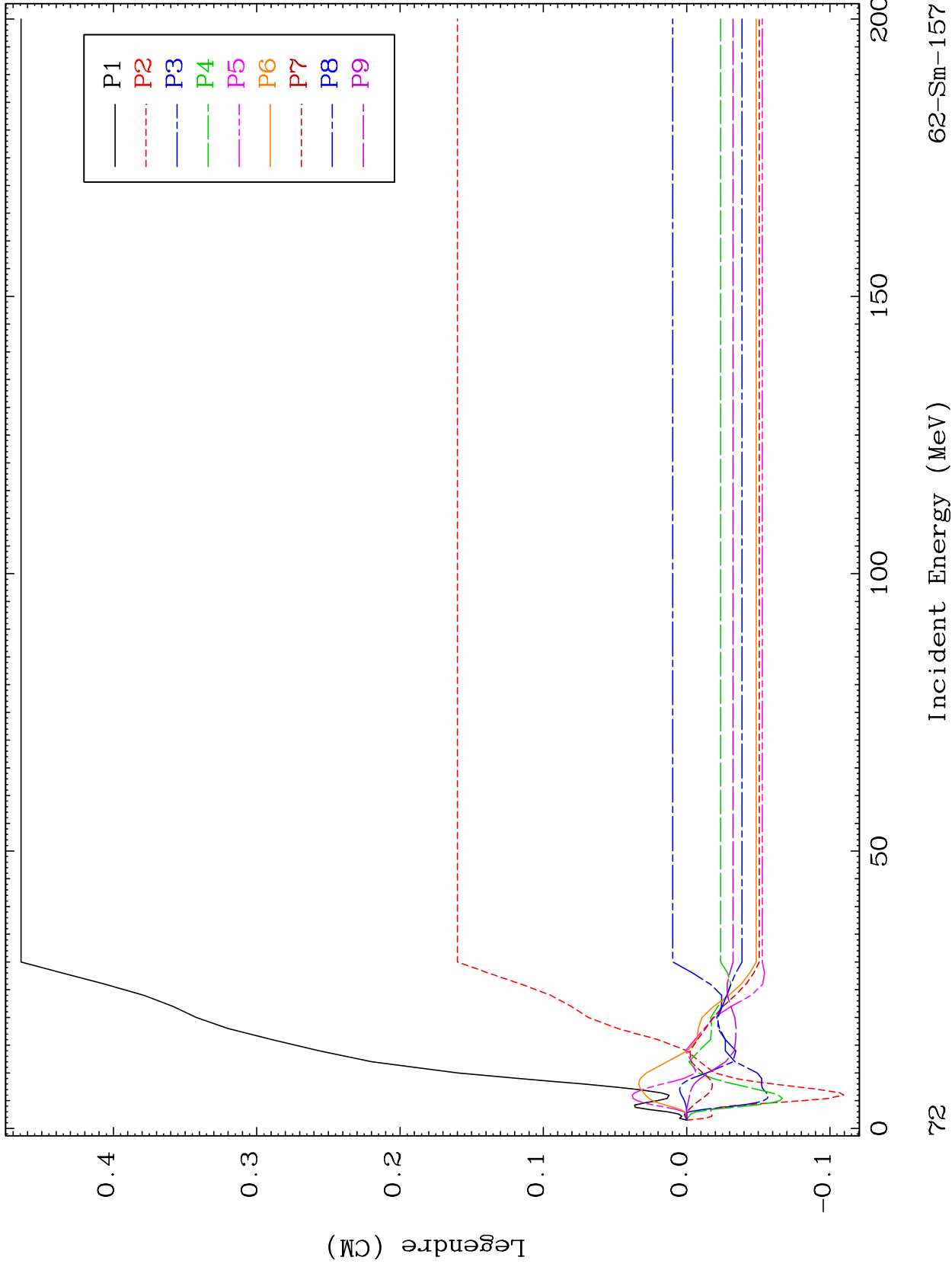
62-Sm-157



MAT 6264

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

62-Sm-157



62-Sm-157

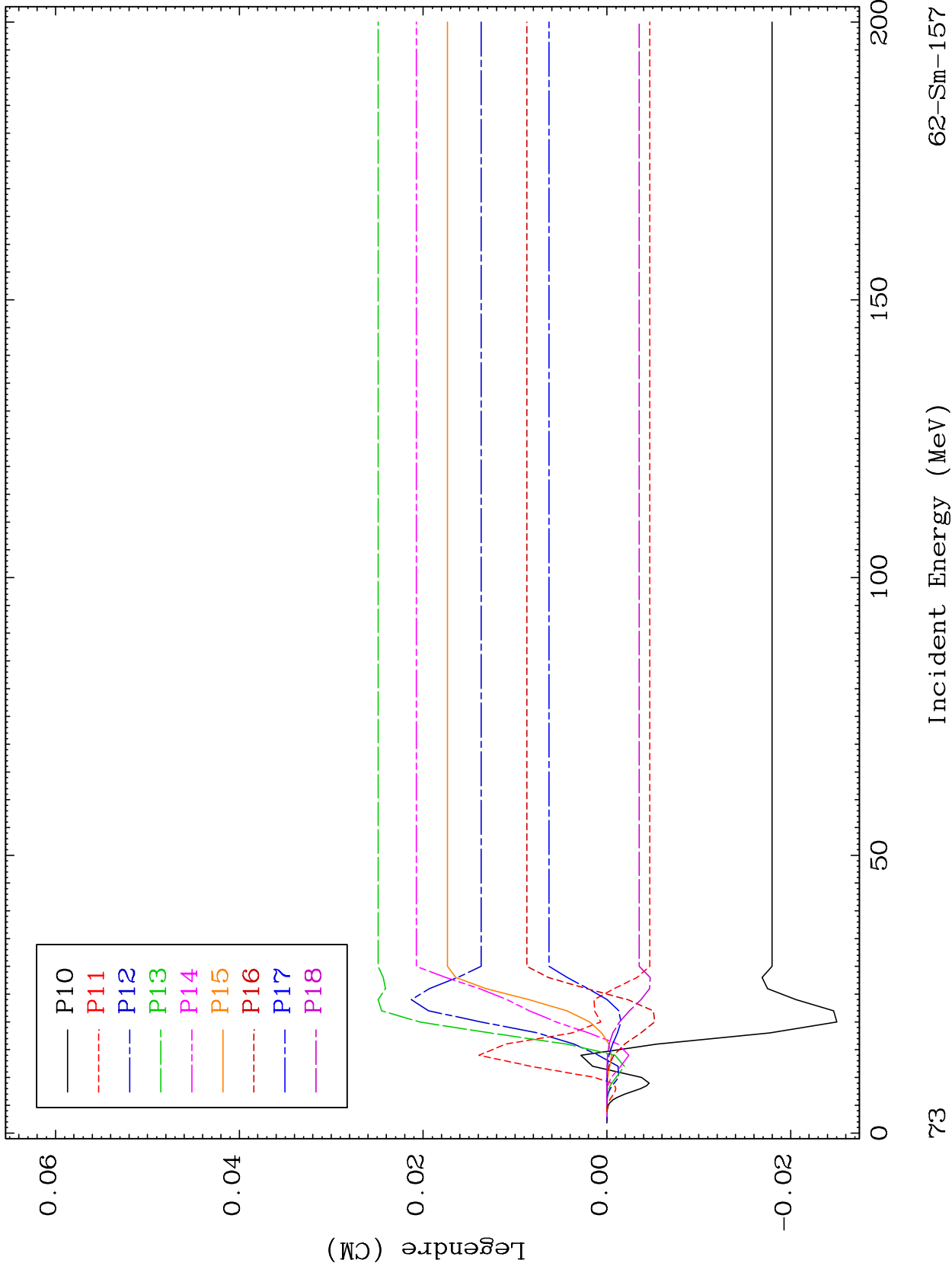
Incident Energy (MeV)

72

MAT 6264

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

62-Sm-157



62-Sm-157

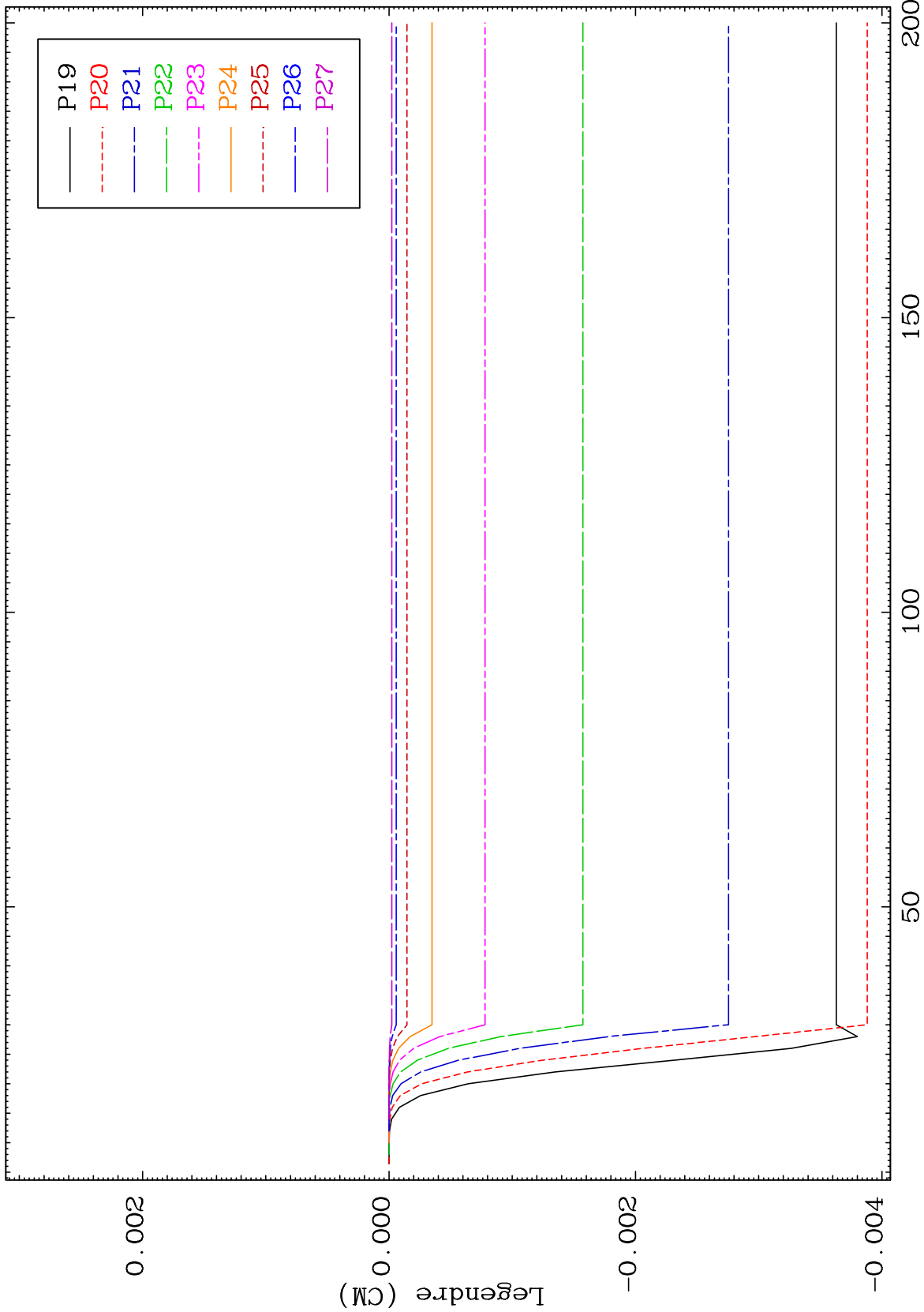
Incident Energy (MeV)

73

MAT 6264

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

62-Sm-157



74

Incident Energy (MeV)

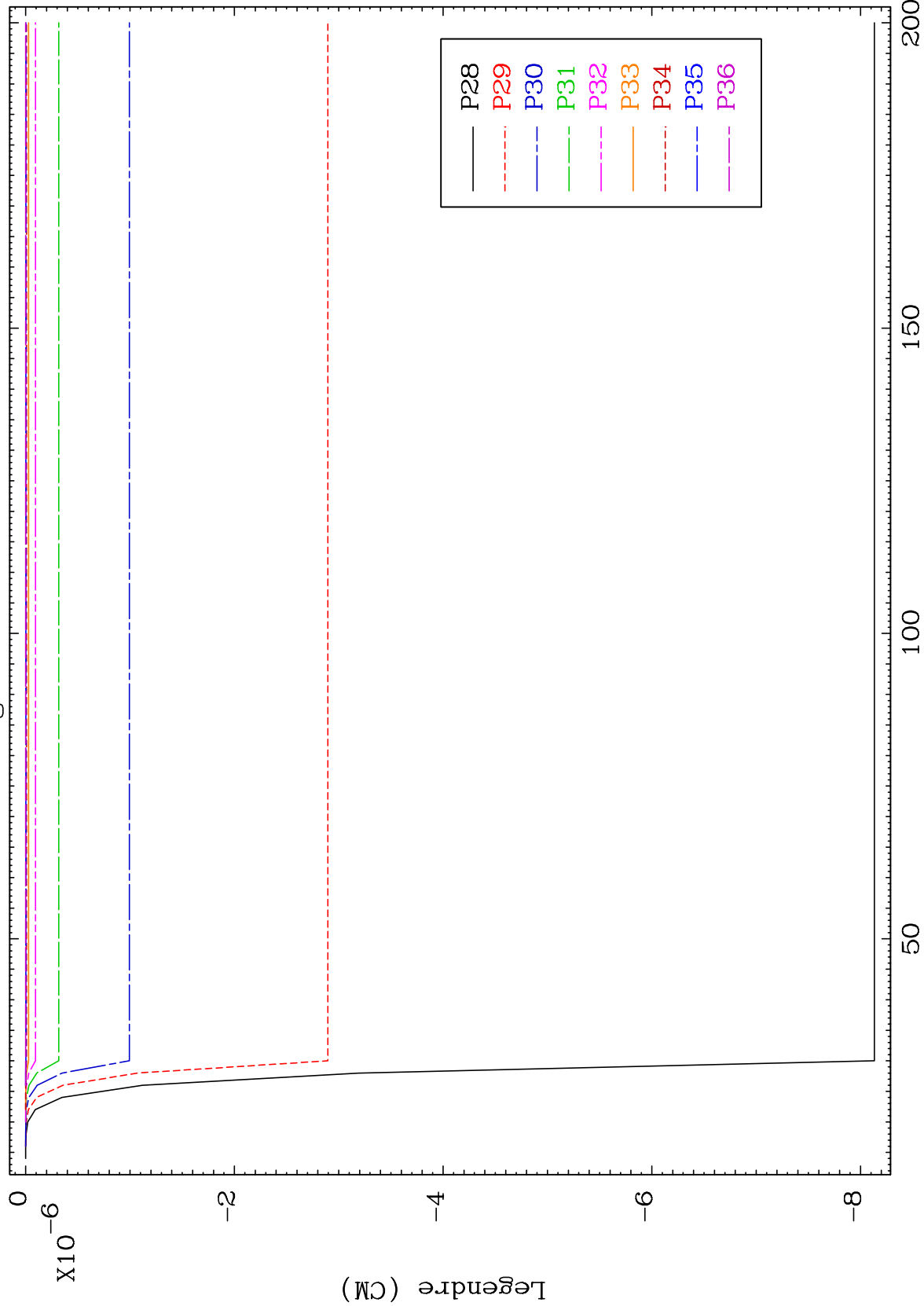
62-Sm-157

MAT 6264

MT= 64 (n,n') Level

62-Sm-157

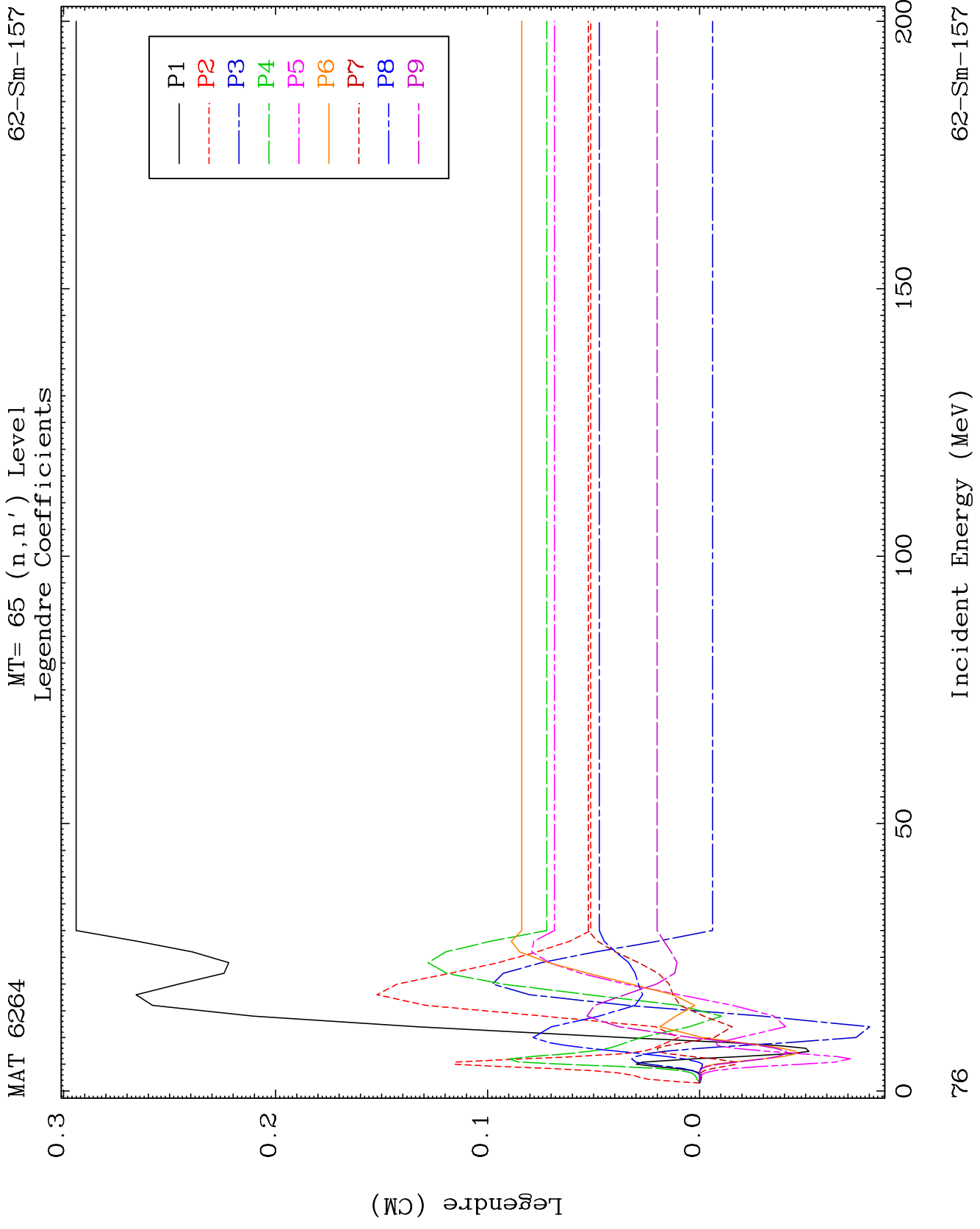
Legendre Coefficients



75

Incident Energy (MeV)

62-Sm-157

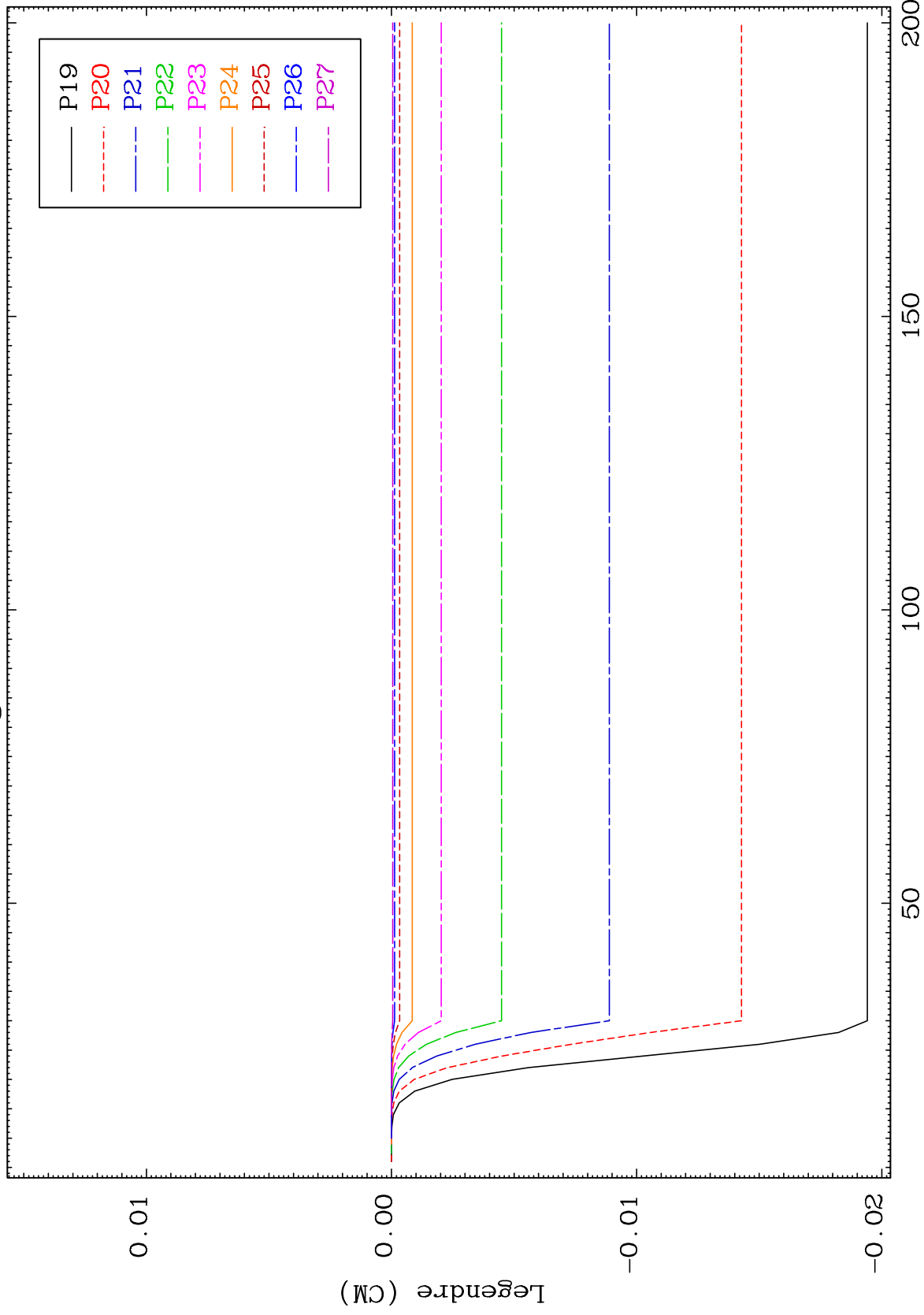




MAT 6264

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

62-Sm-157



78

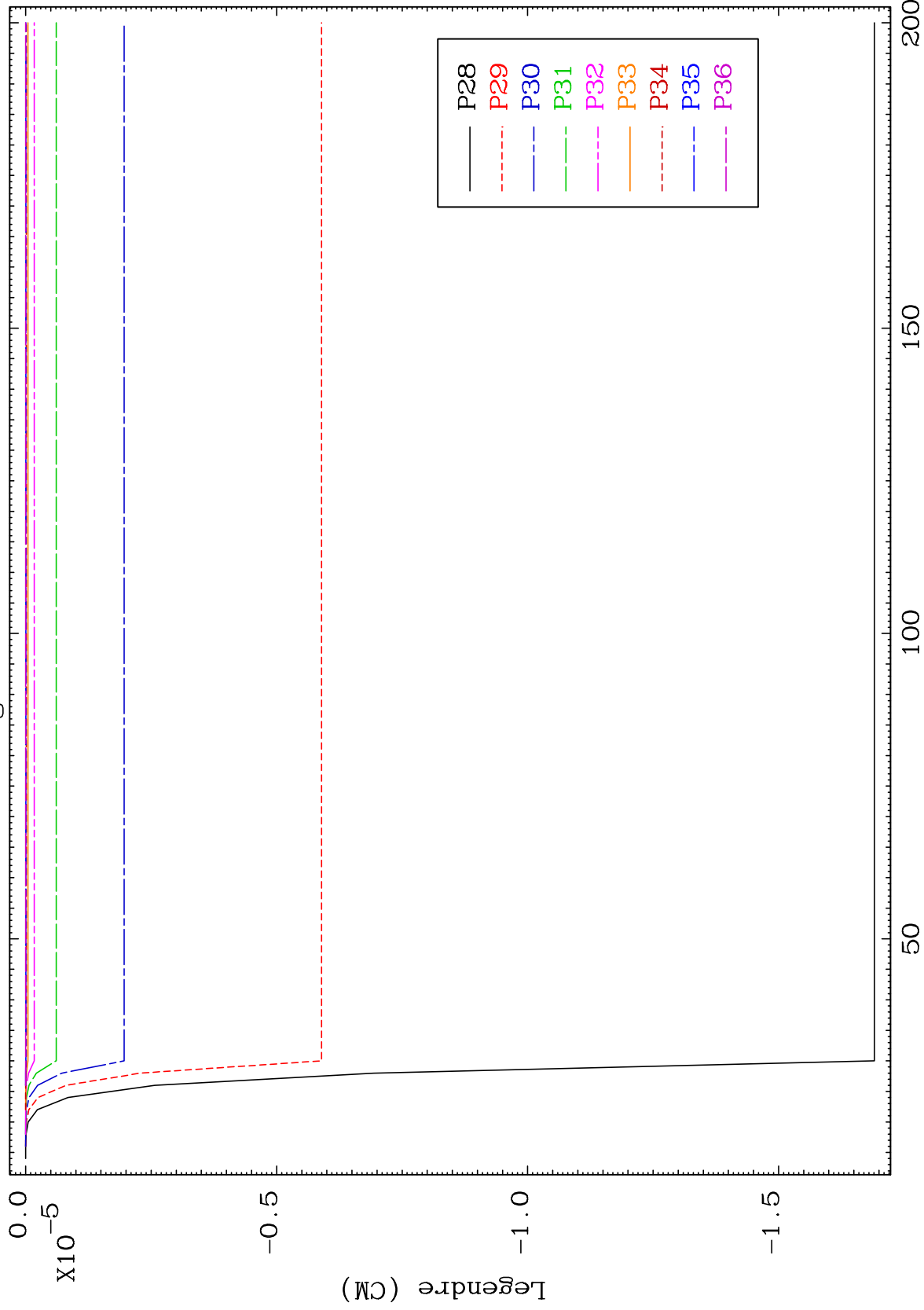
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



79

Incident Energy (MeV)

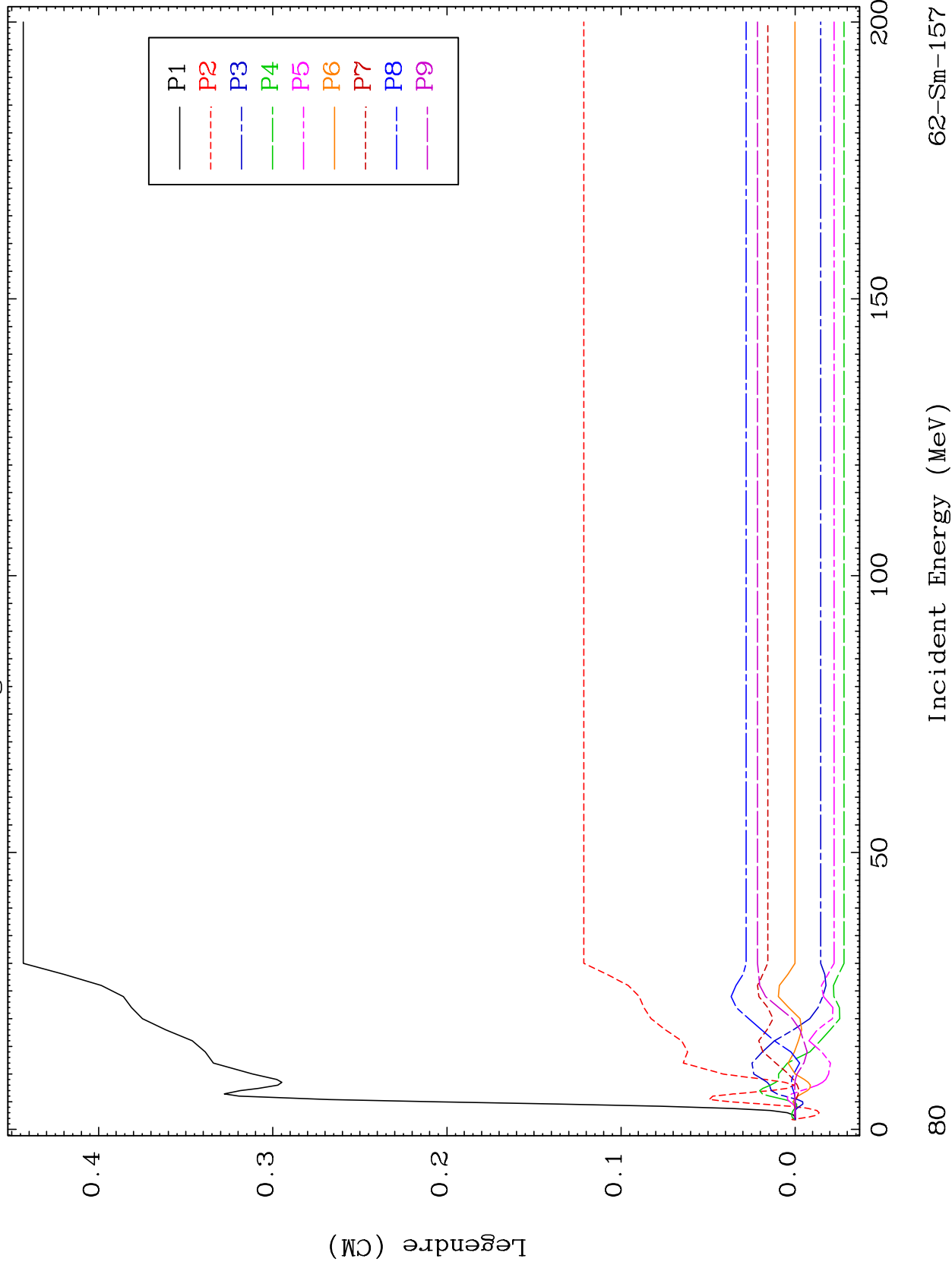
62-Sm-157



MAT 6264

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

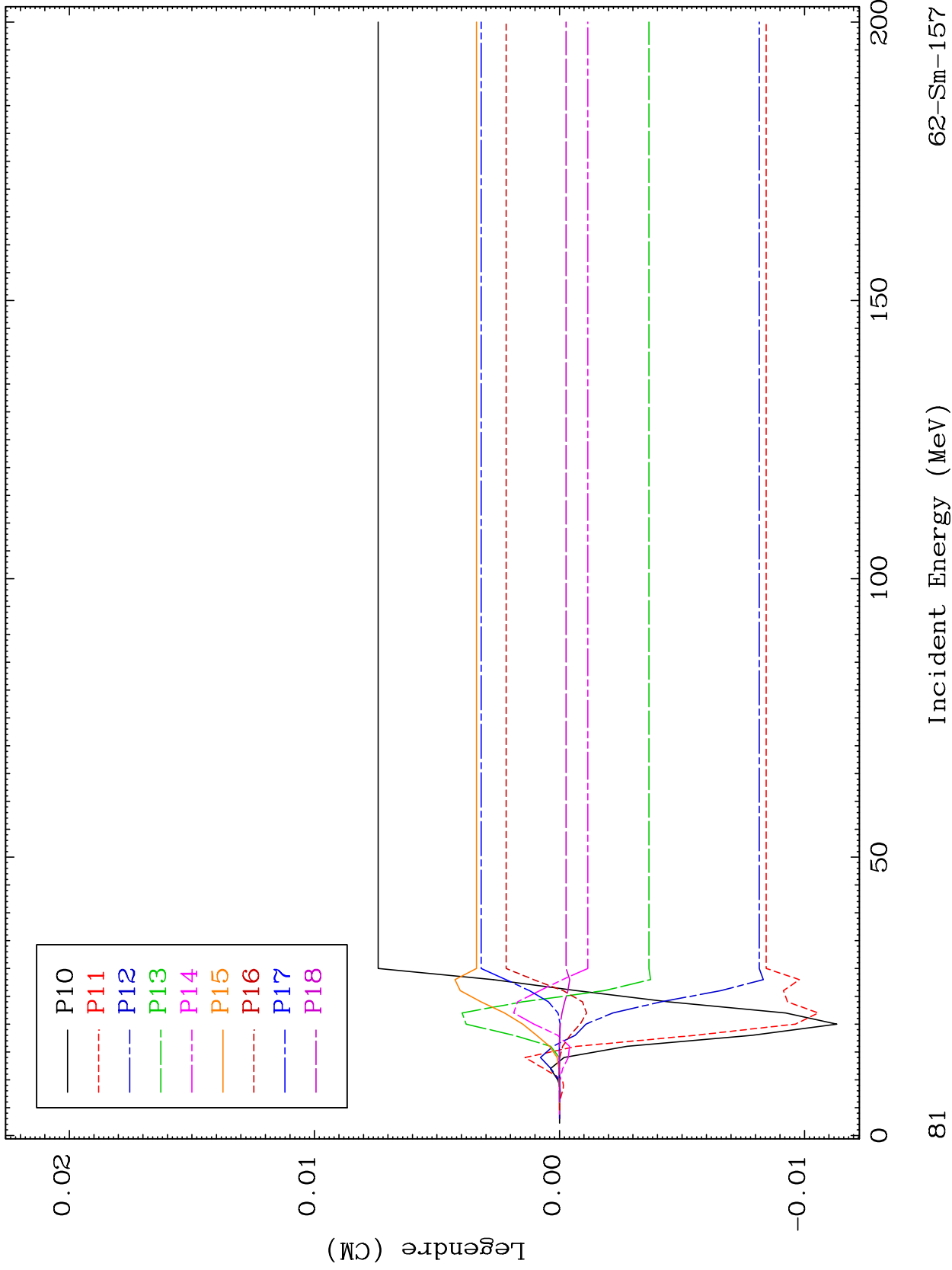
62-Sm-157

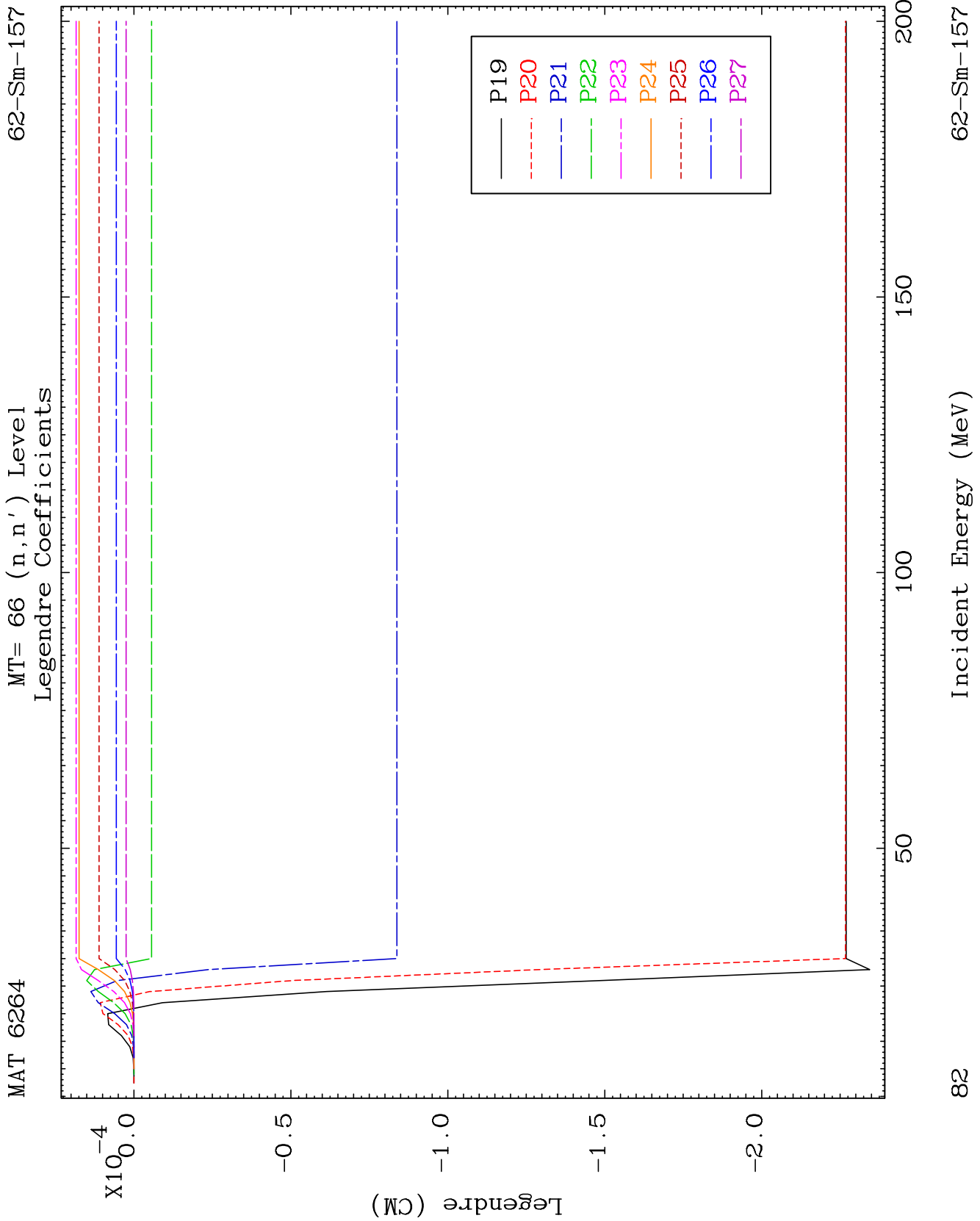


62-Sm-157

Incident Energy (MeV)

80

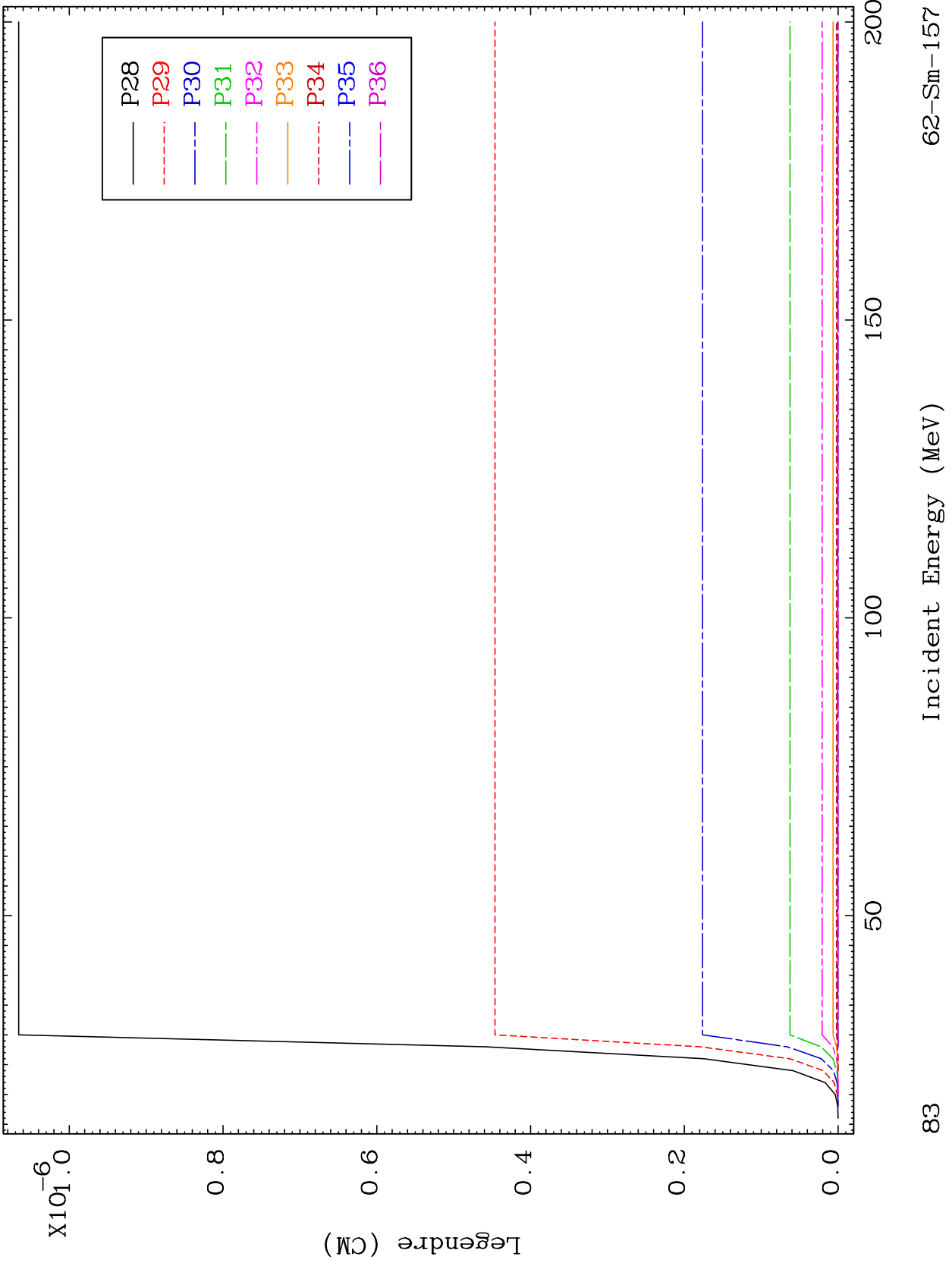




MAT 6264

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

62-Sm-157



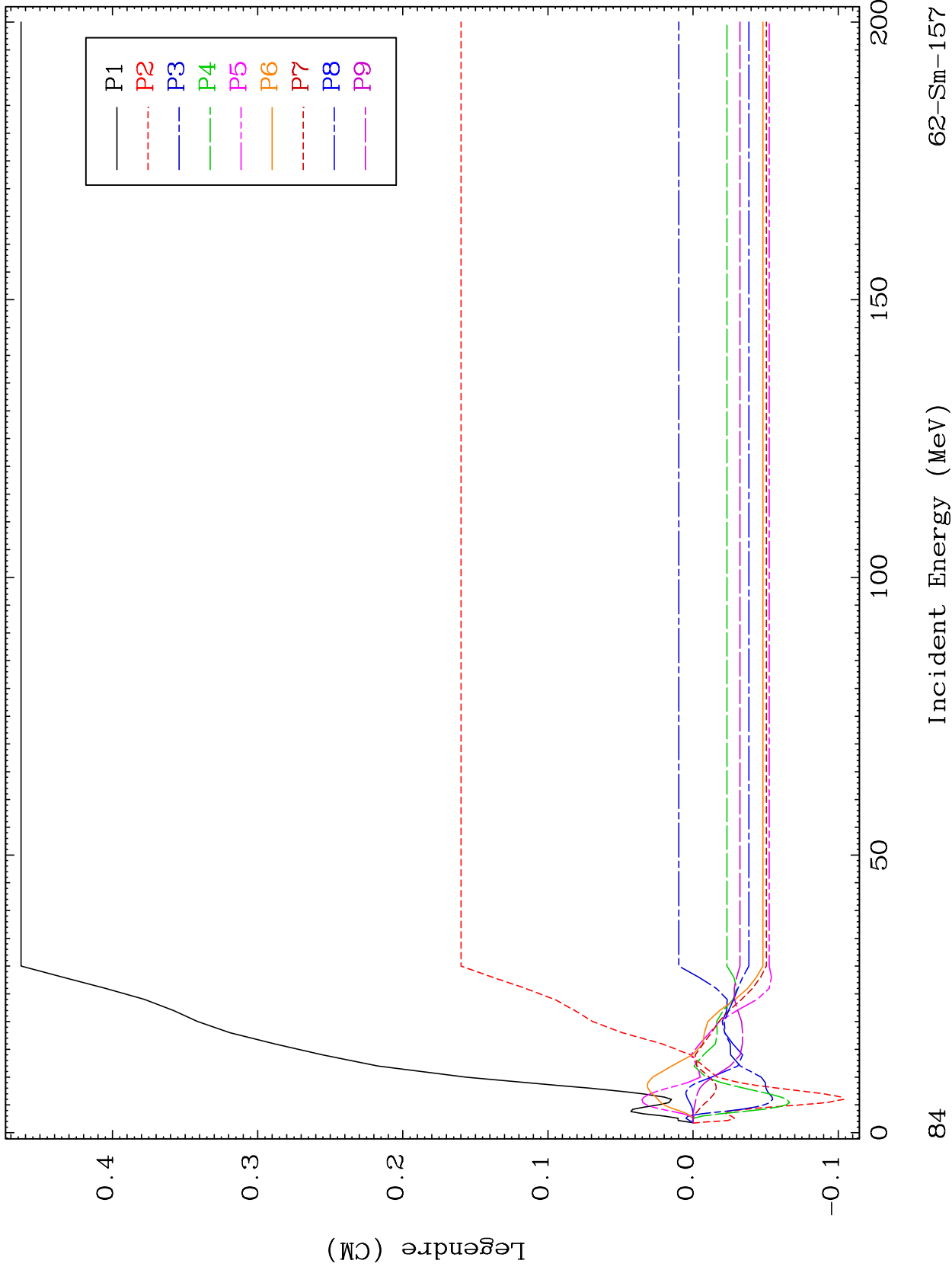
83

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

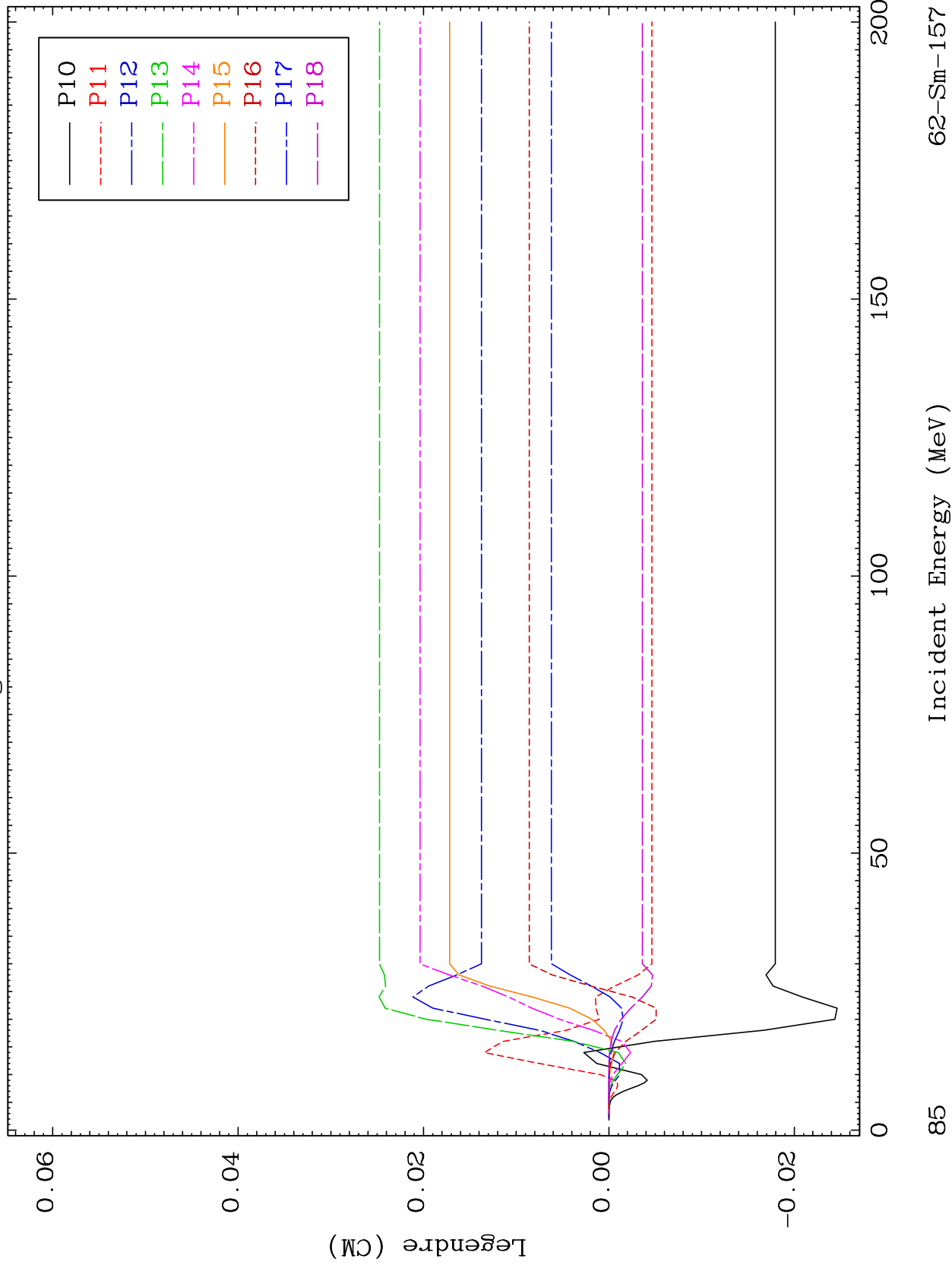
Incident Energy (MeV)

84

MAT 6264

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

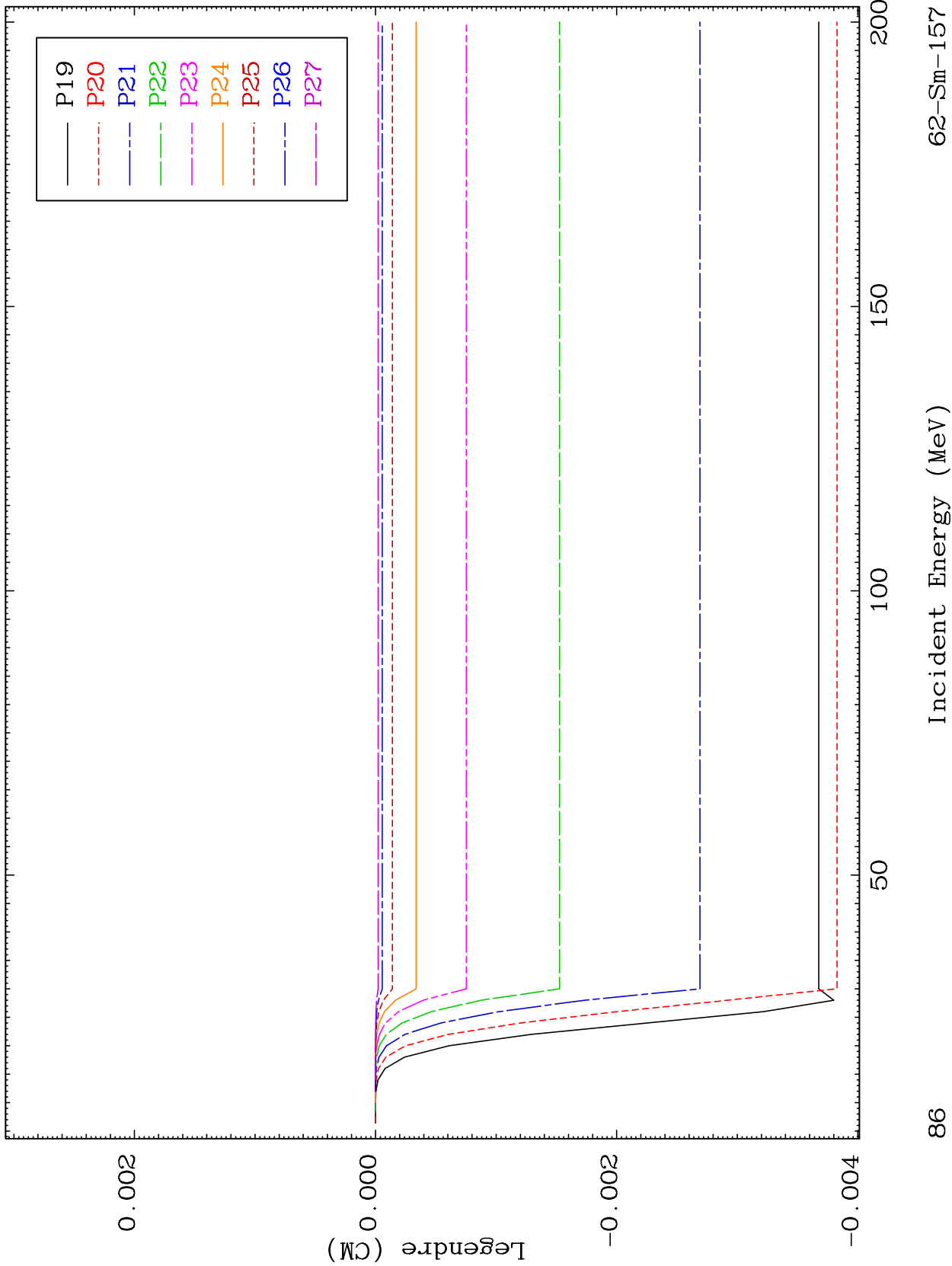
62-Sm-157



62-Sm-157

Incident Energy (MeV)

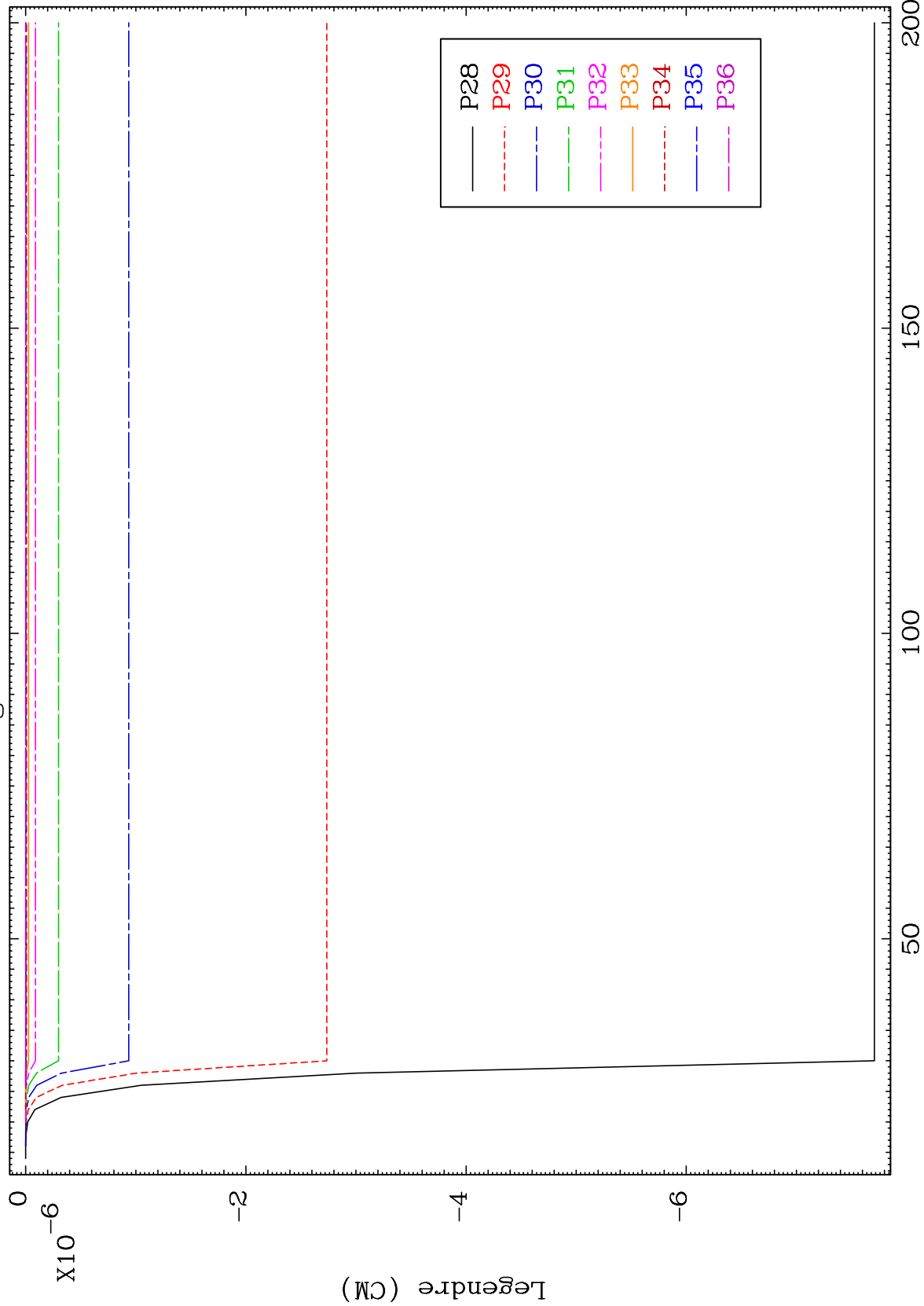
85



MAT 6264

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

62-Sm-157

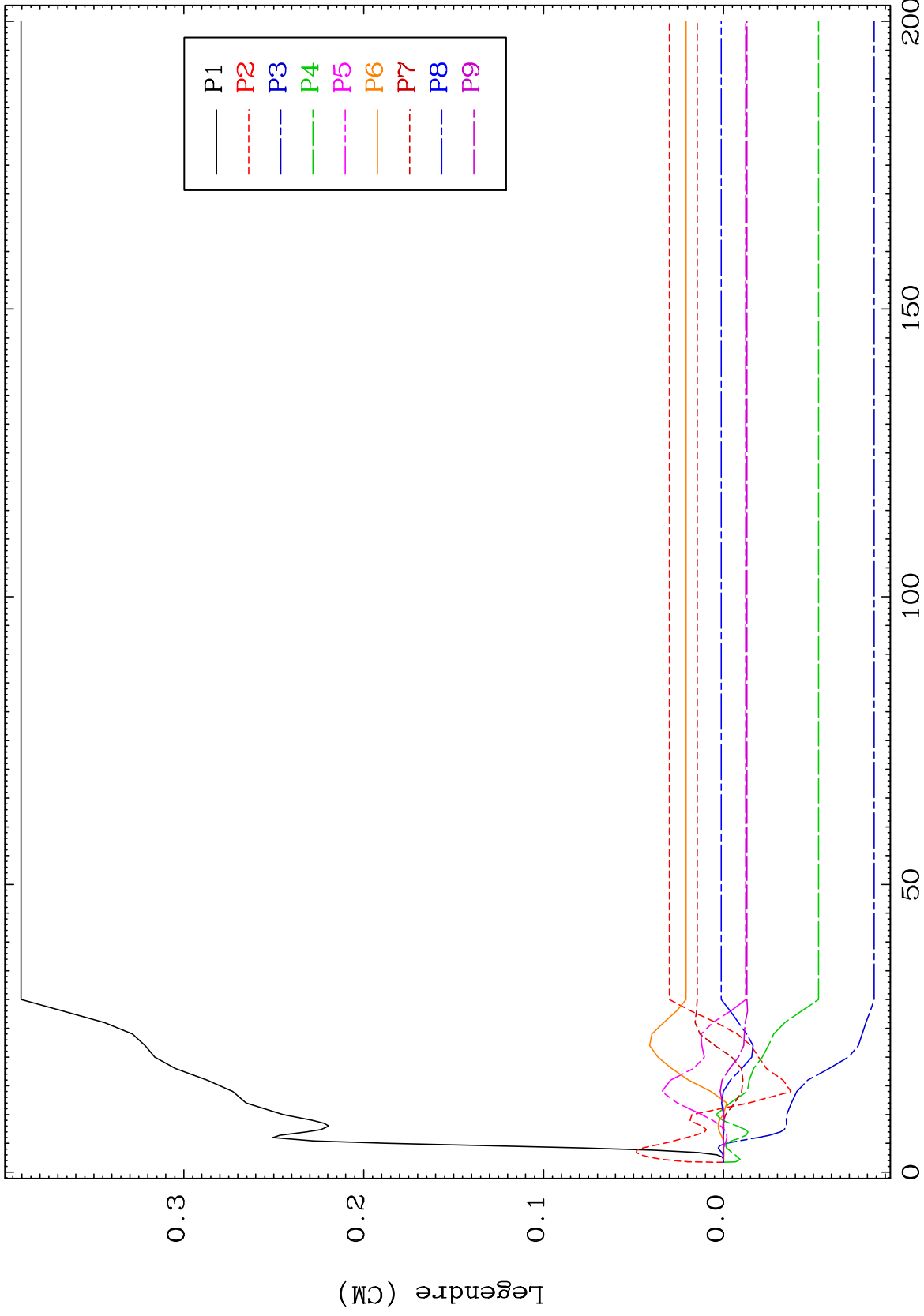


87

Incident Energy (MeV)

62-Sm-157

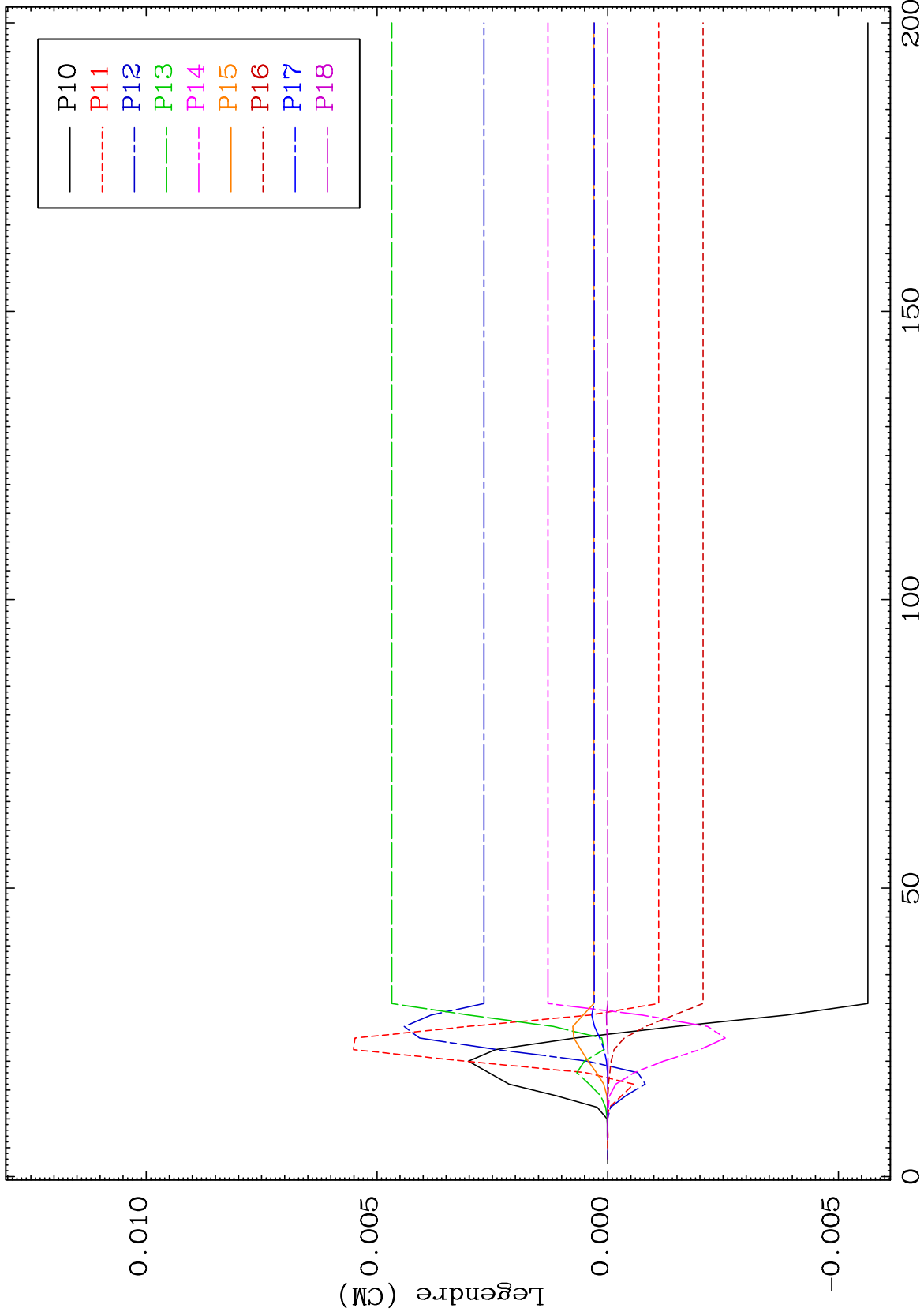




MAT 6264

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

62-Sm-157



89

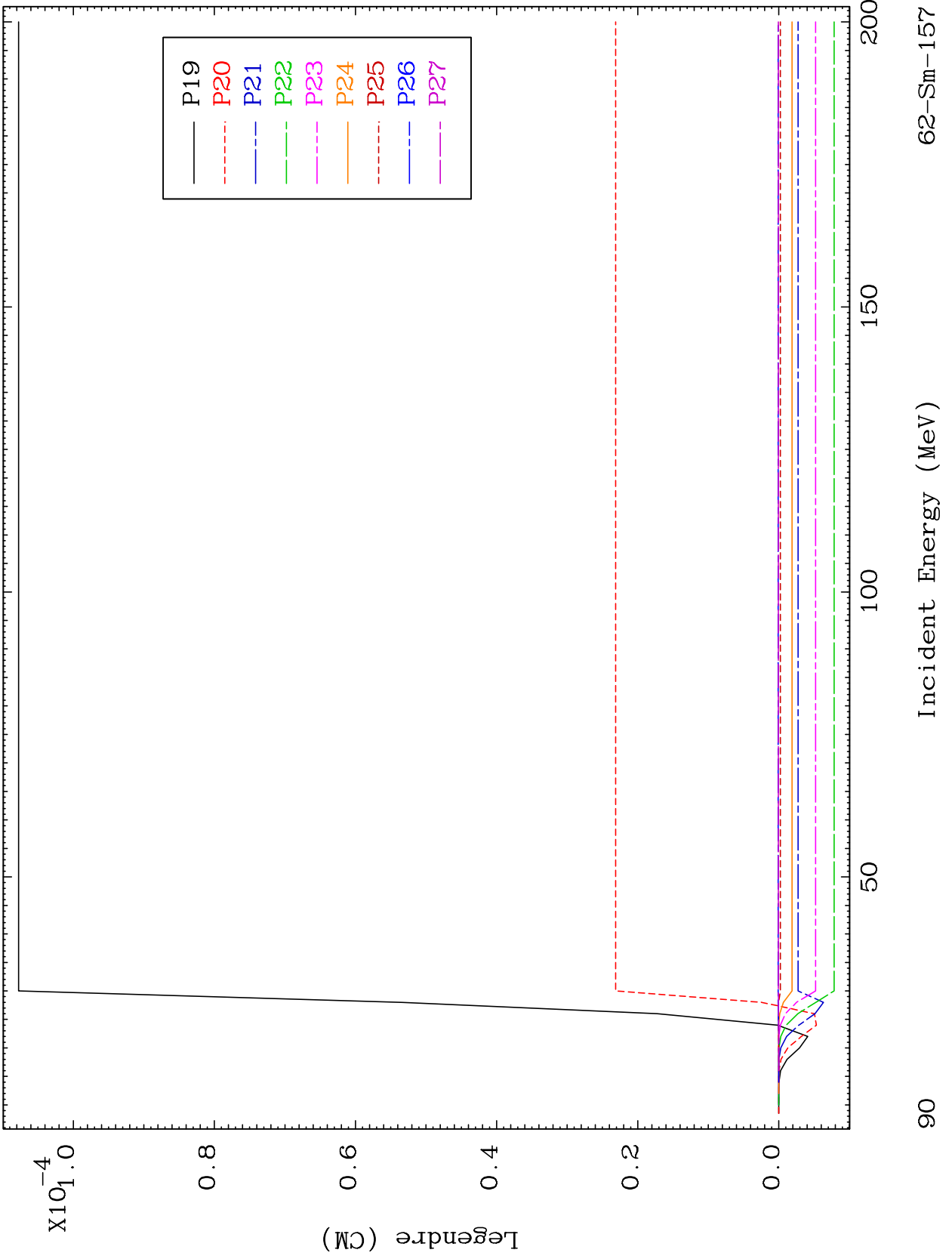
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



90

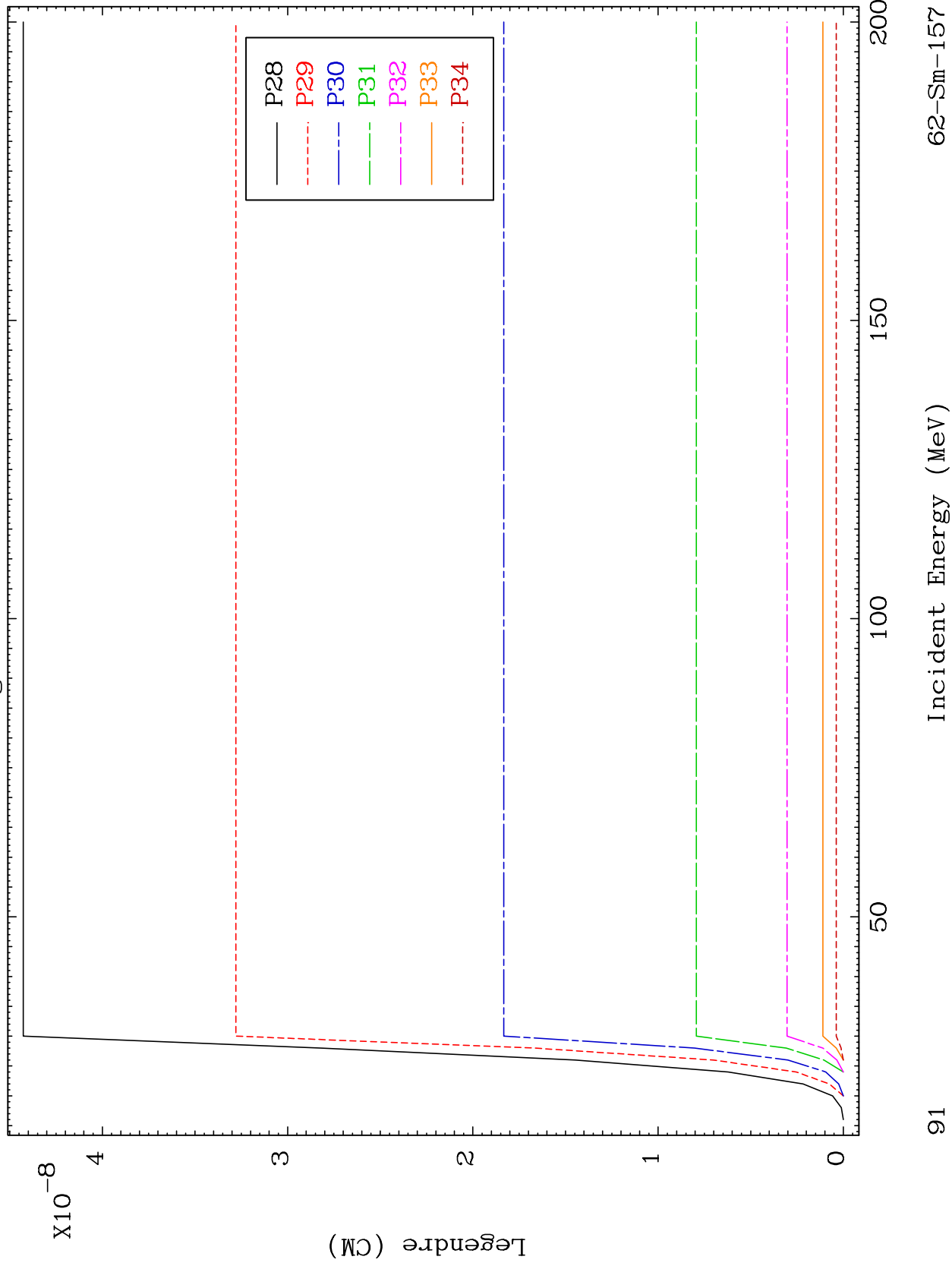
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

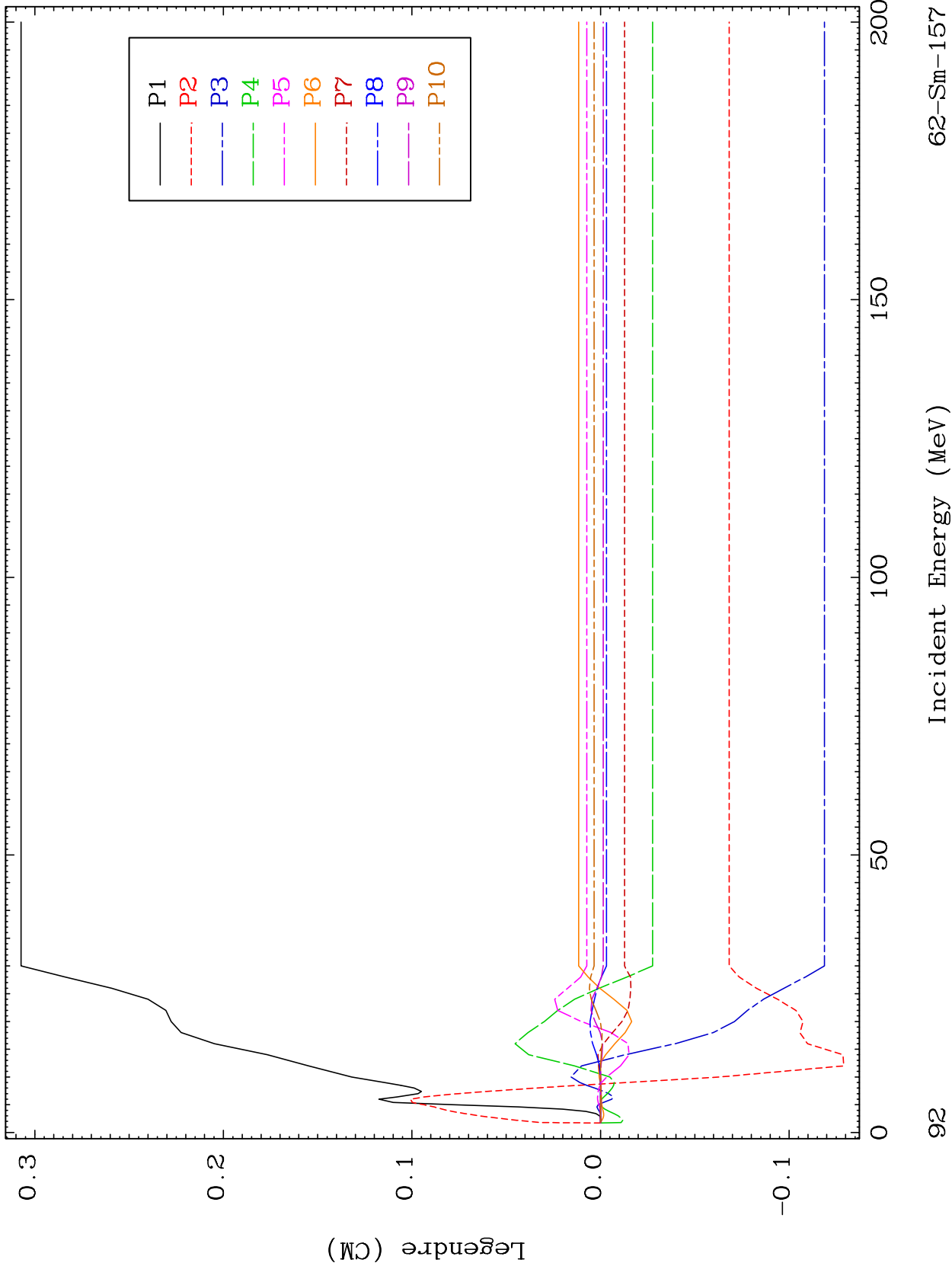
62-Sm-157



MAT 6264

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

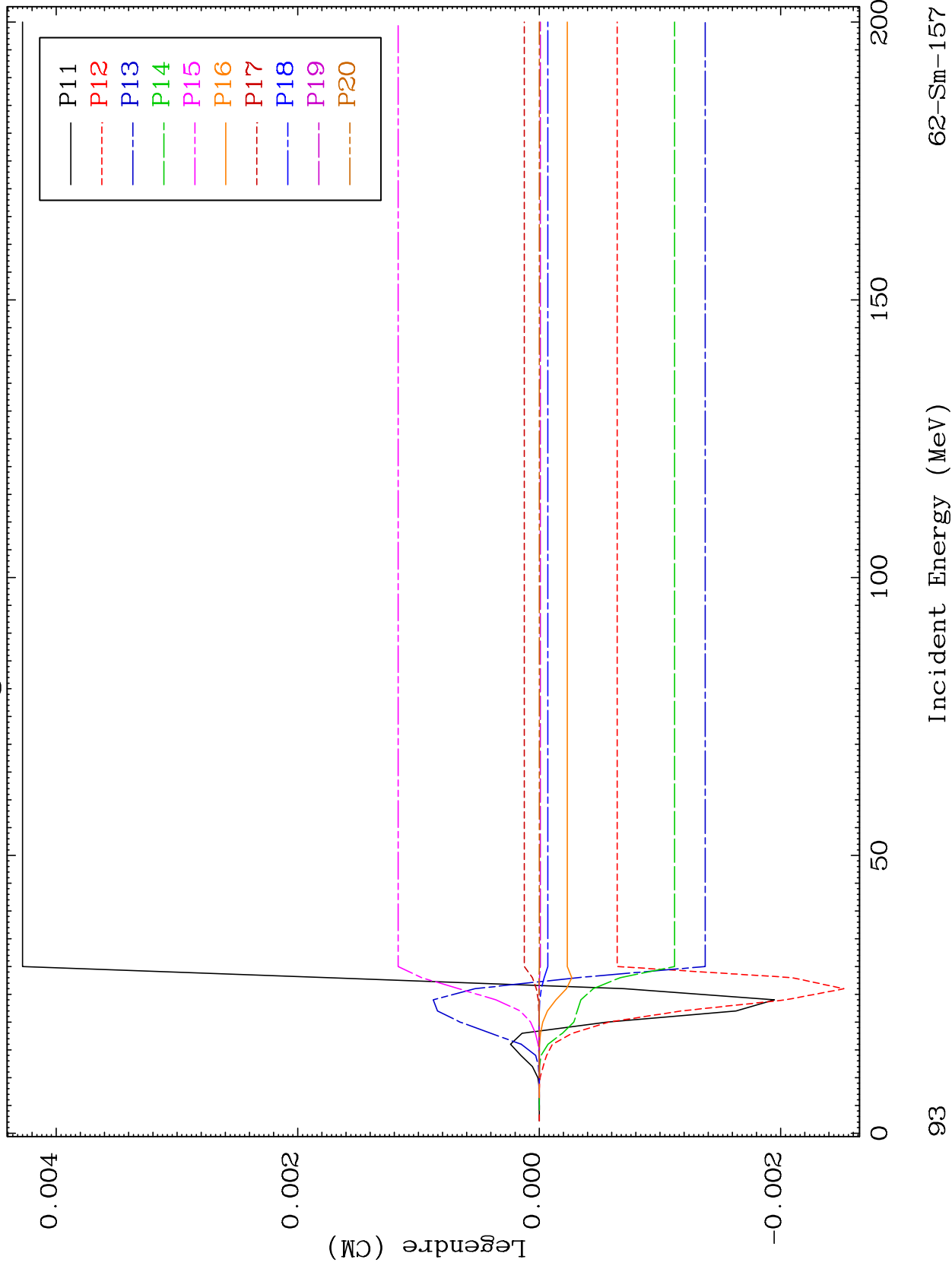
62-Sm-157



MAT 6264

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

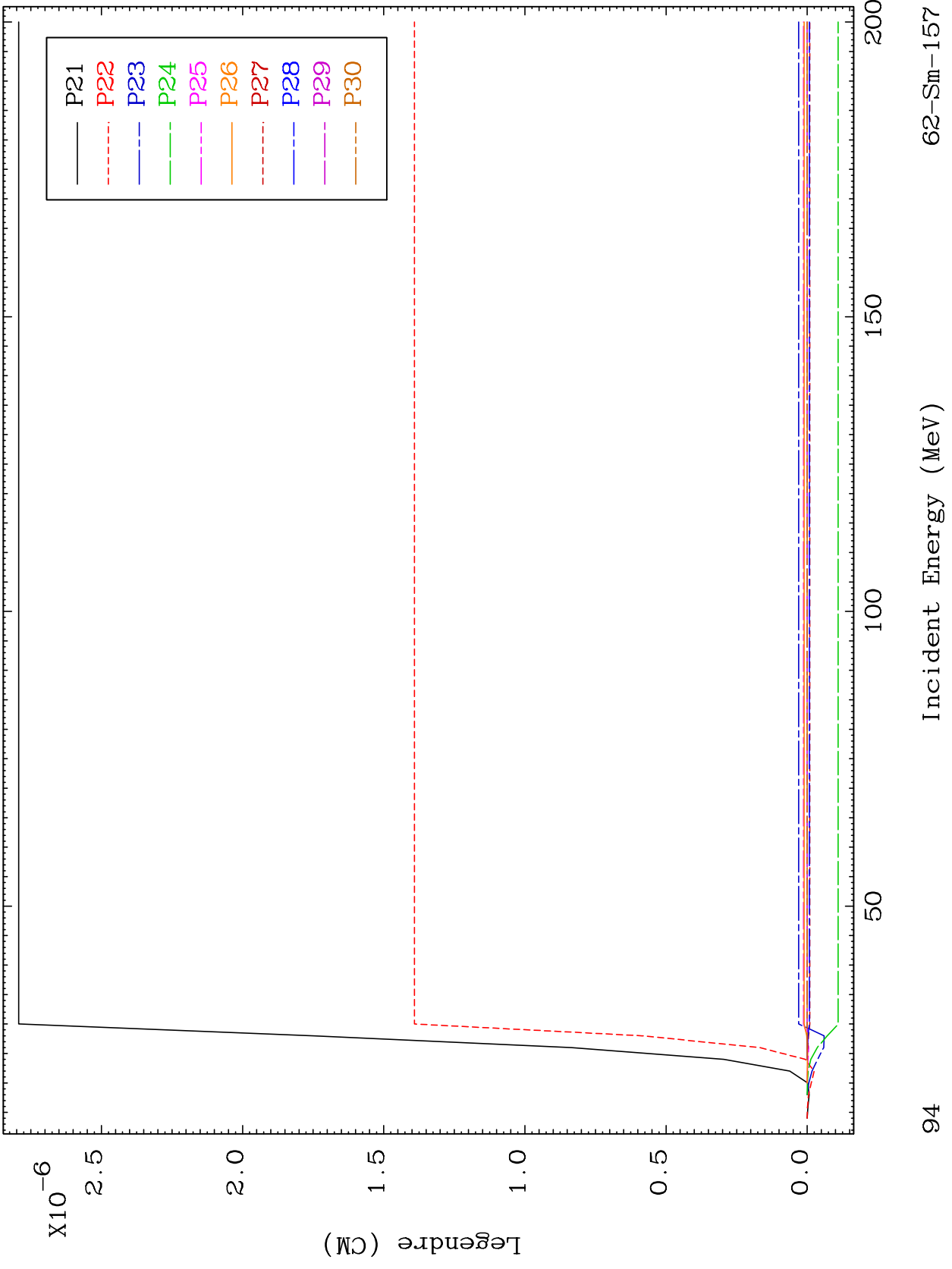
62-Sm-157



93

Incident Energy (MeV)

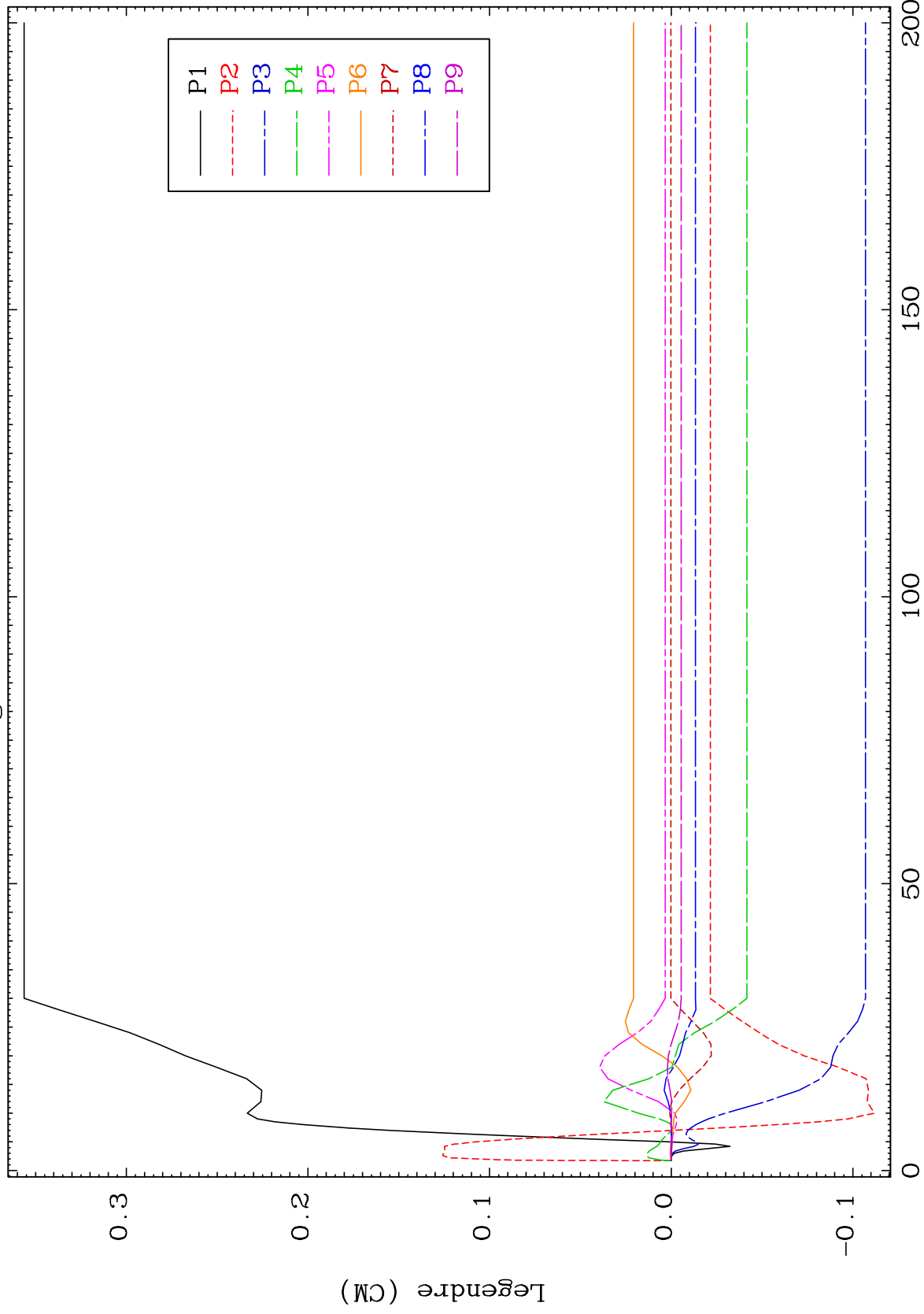
62-Sm-157



MAT 6264

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

62-Sm-157



95

Incident Energy (MeV)

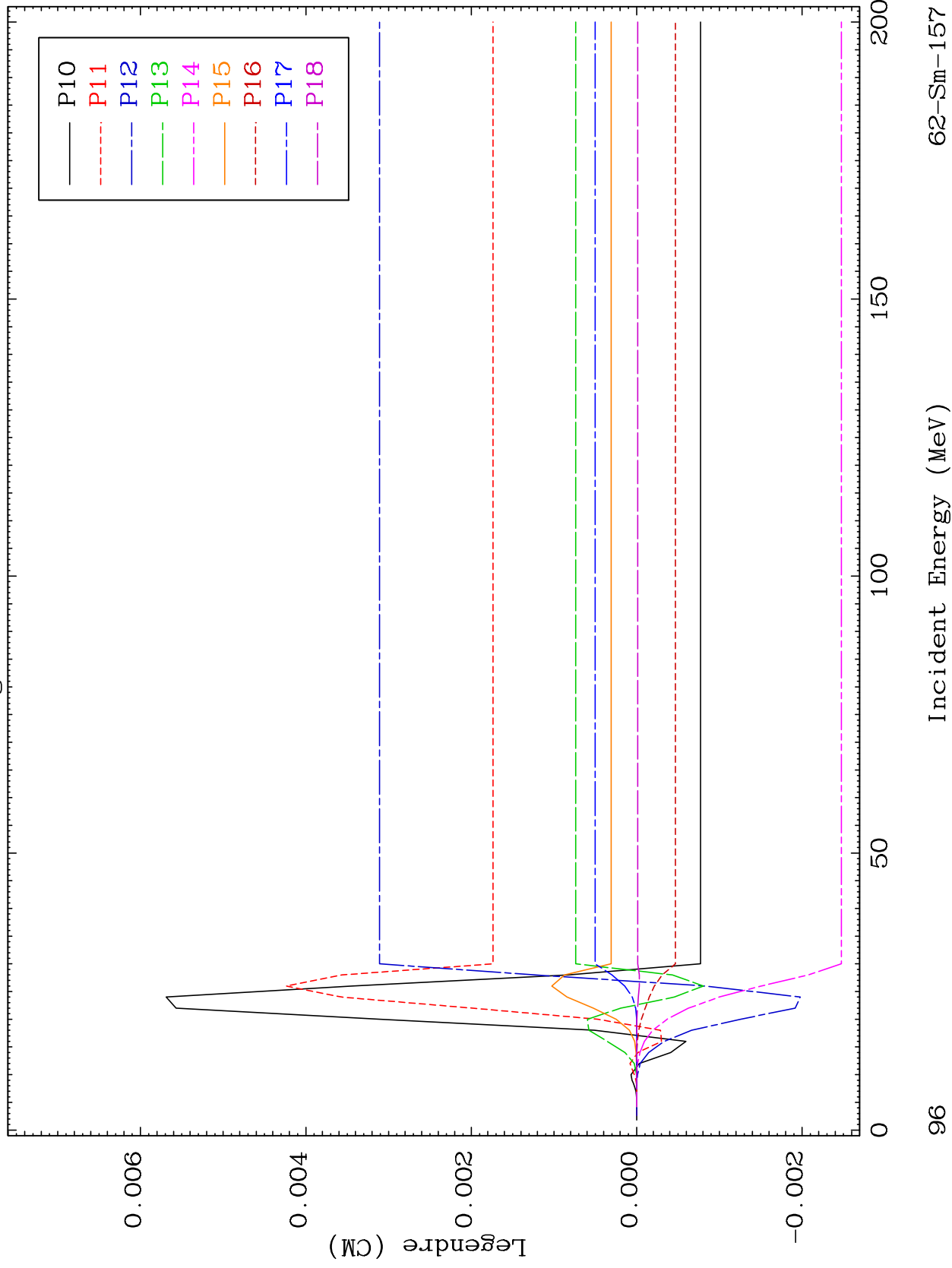
62-Sm-157



MAT 6264

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

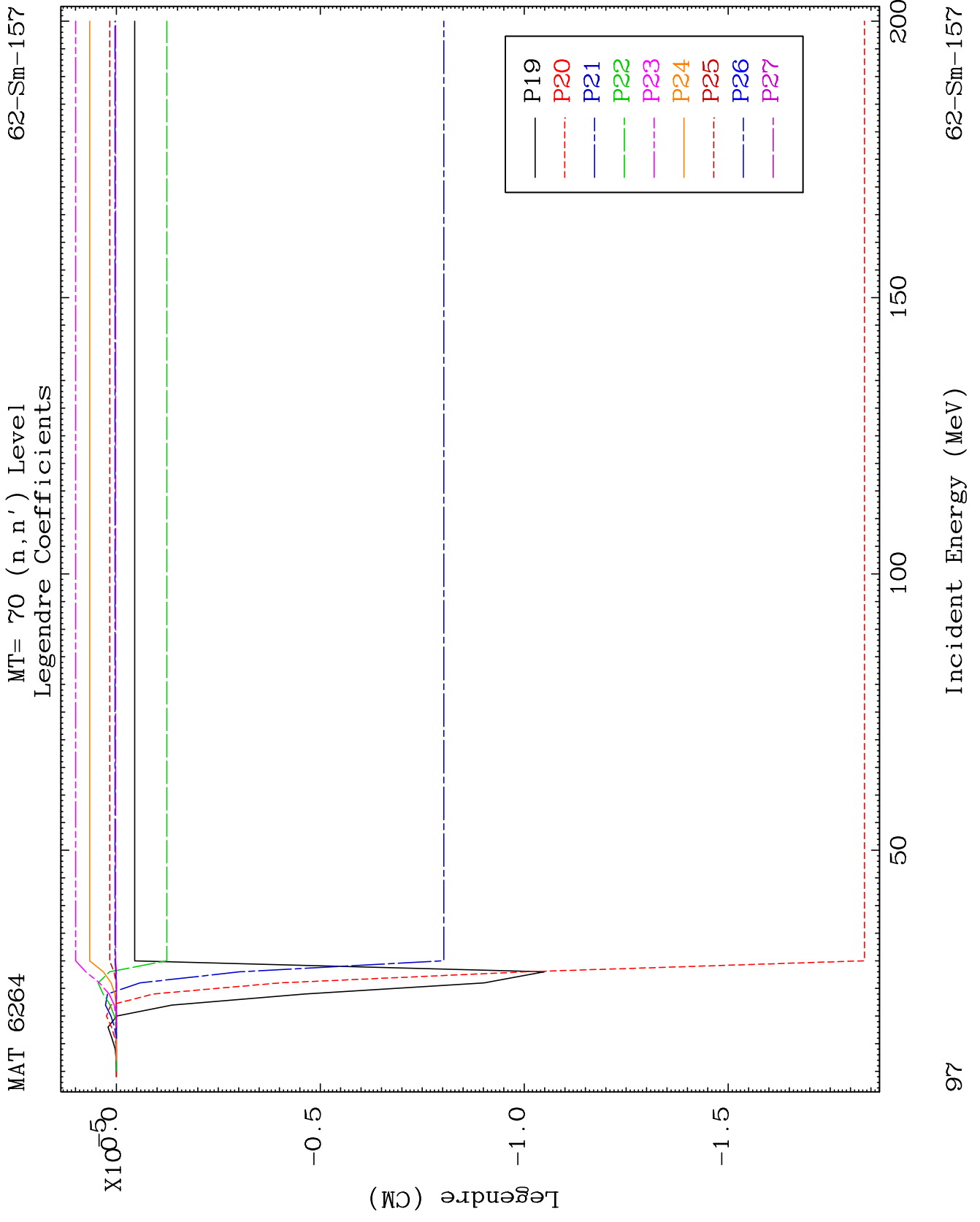
62-Sm-157



62-Sm-157

Incident Energy (MeV)

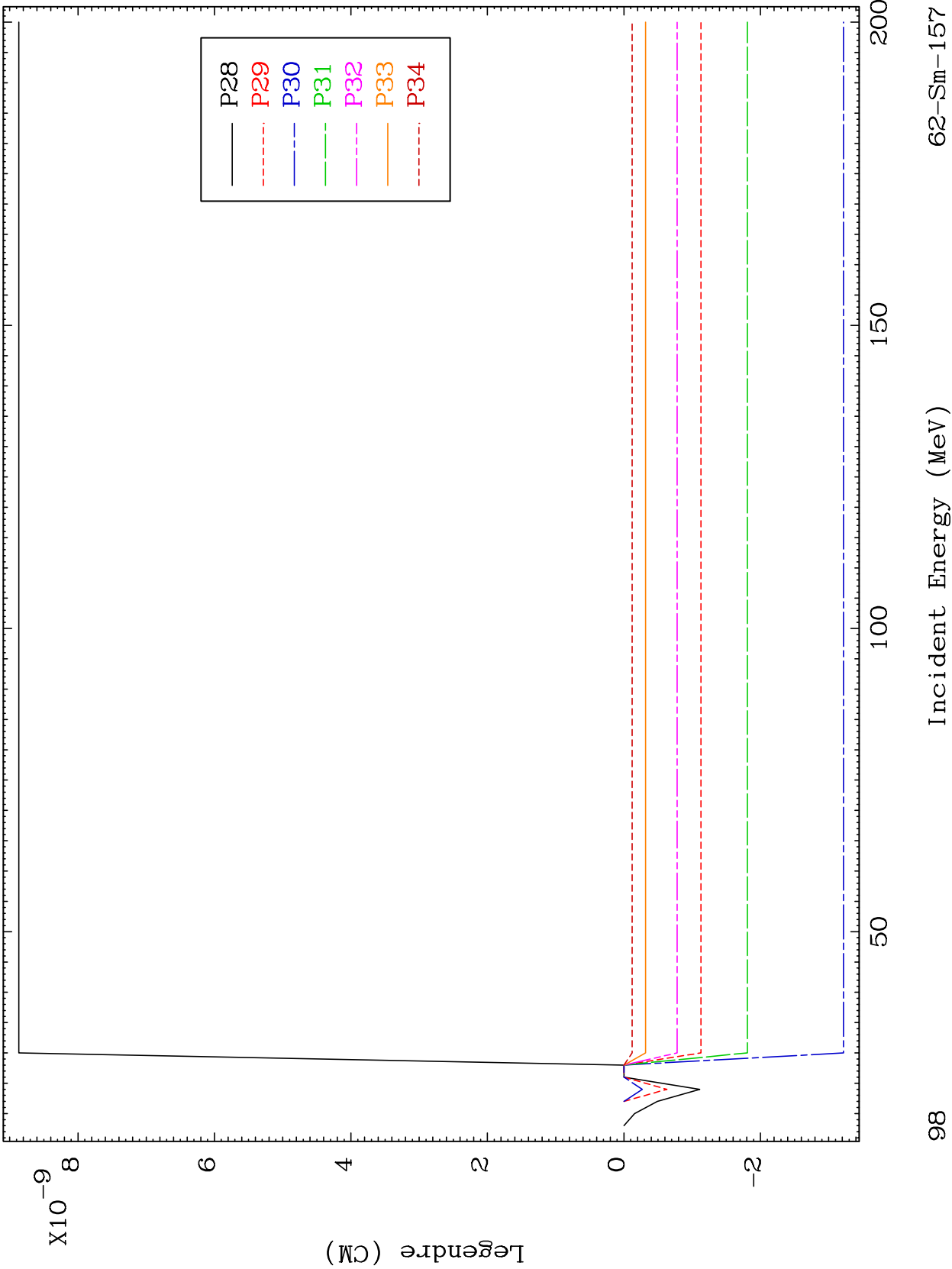
96



MAT 6264

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

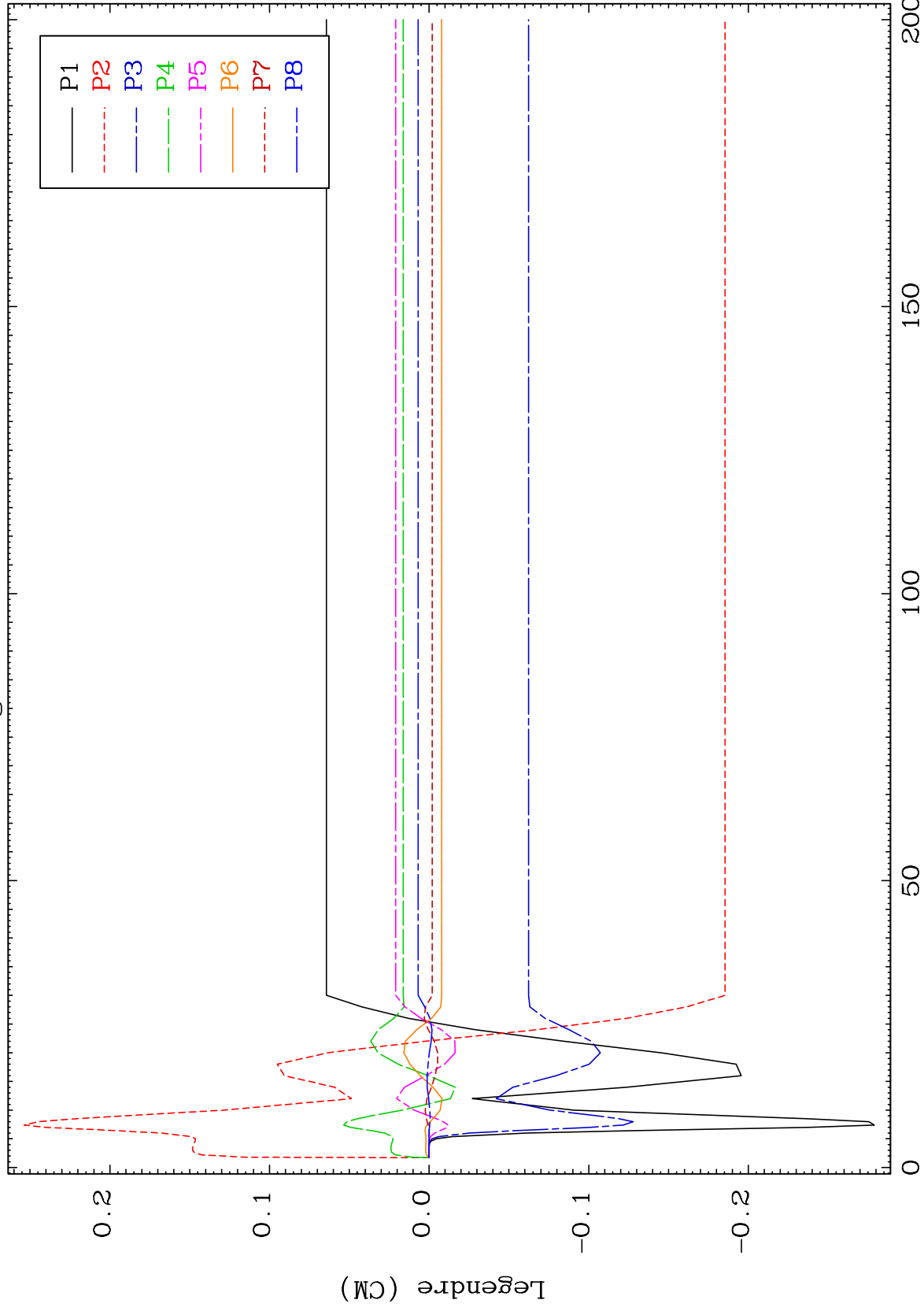
62-Sm-157



MAT 6264

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

62-Sm-157



99

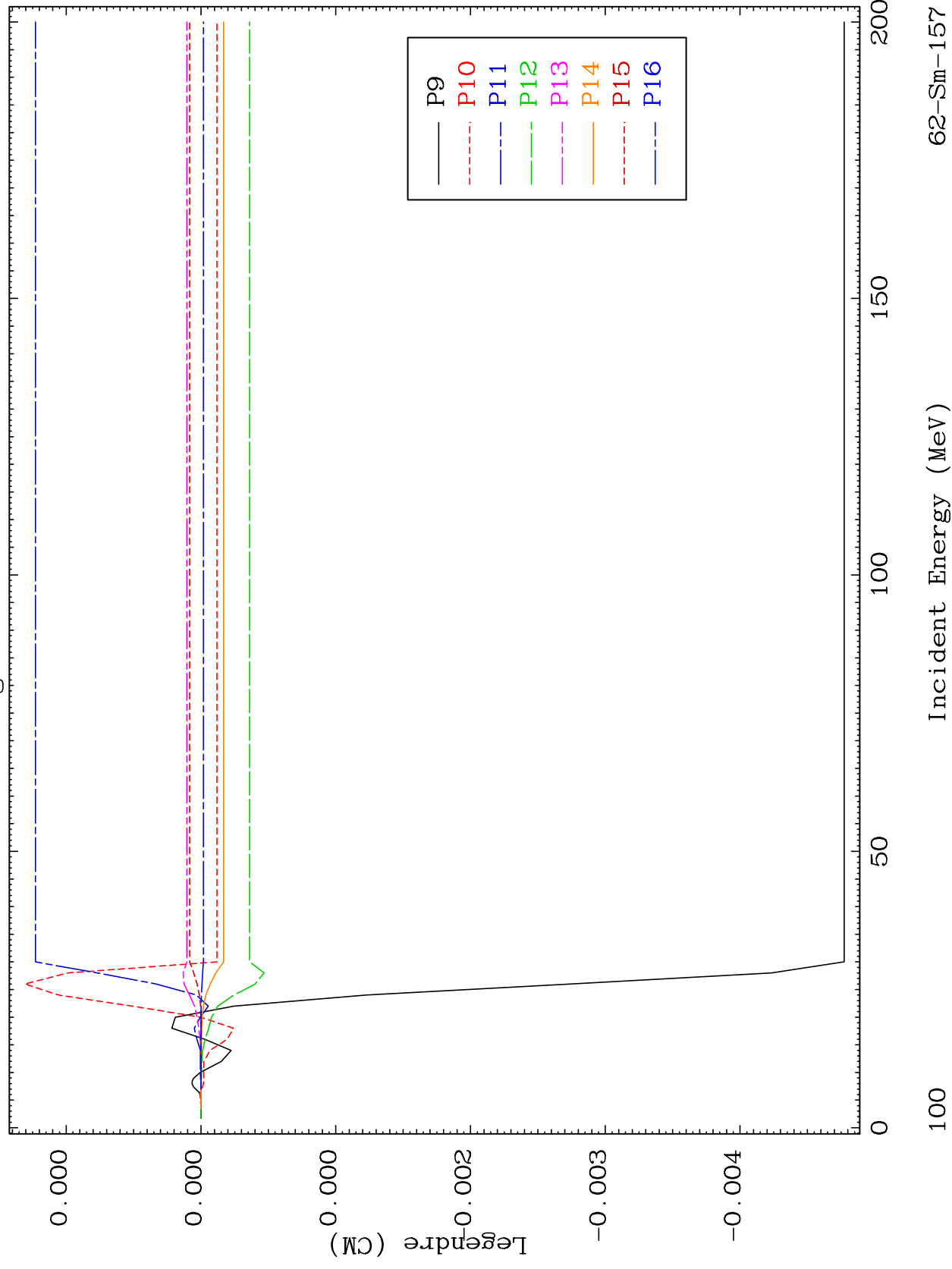
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

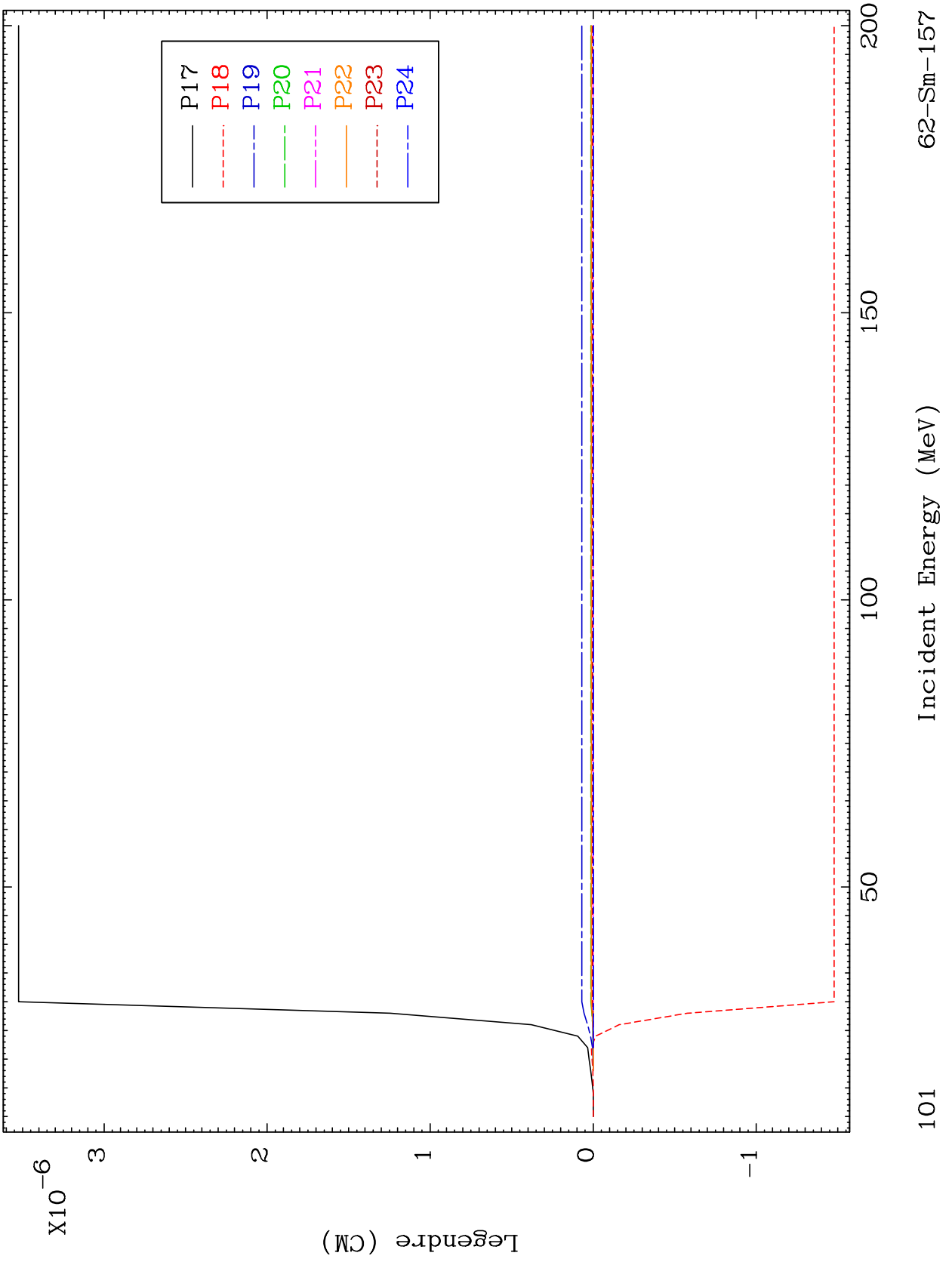
Incident Energy (MeV)

100

MAT 6264

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

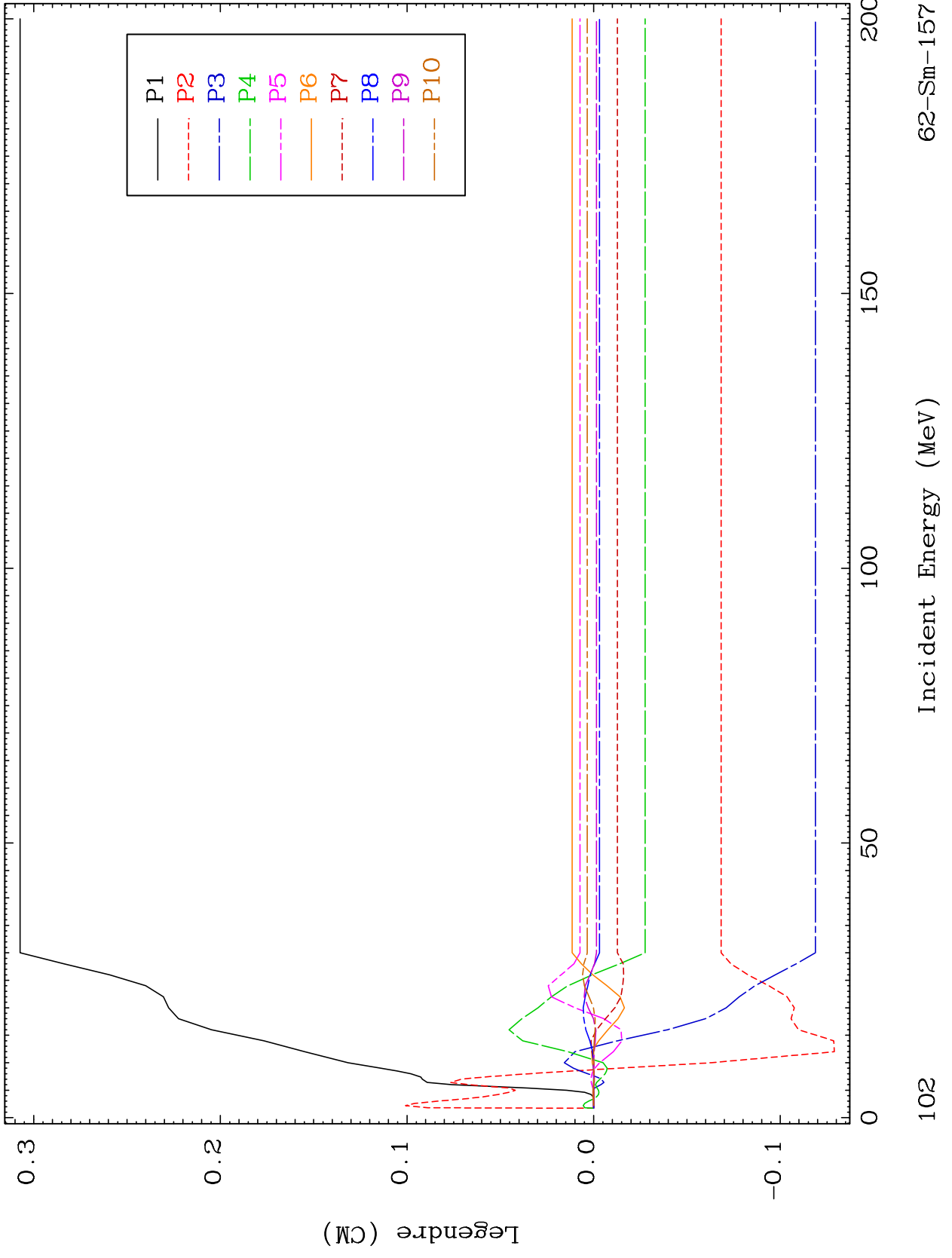
62-Sm-157



MAT 6264

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

62-Sm-157

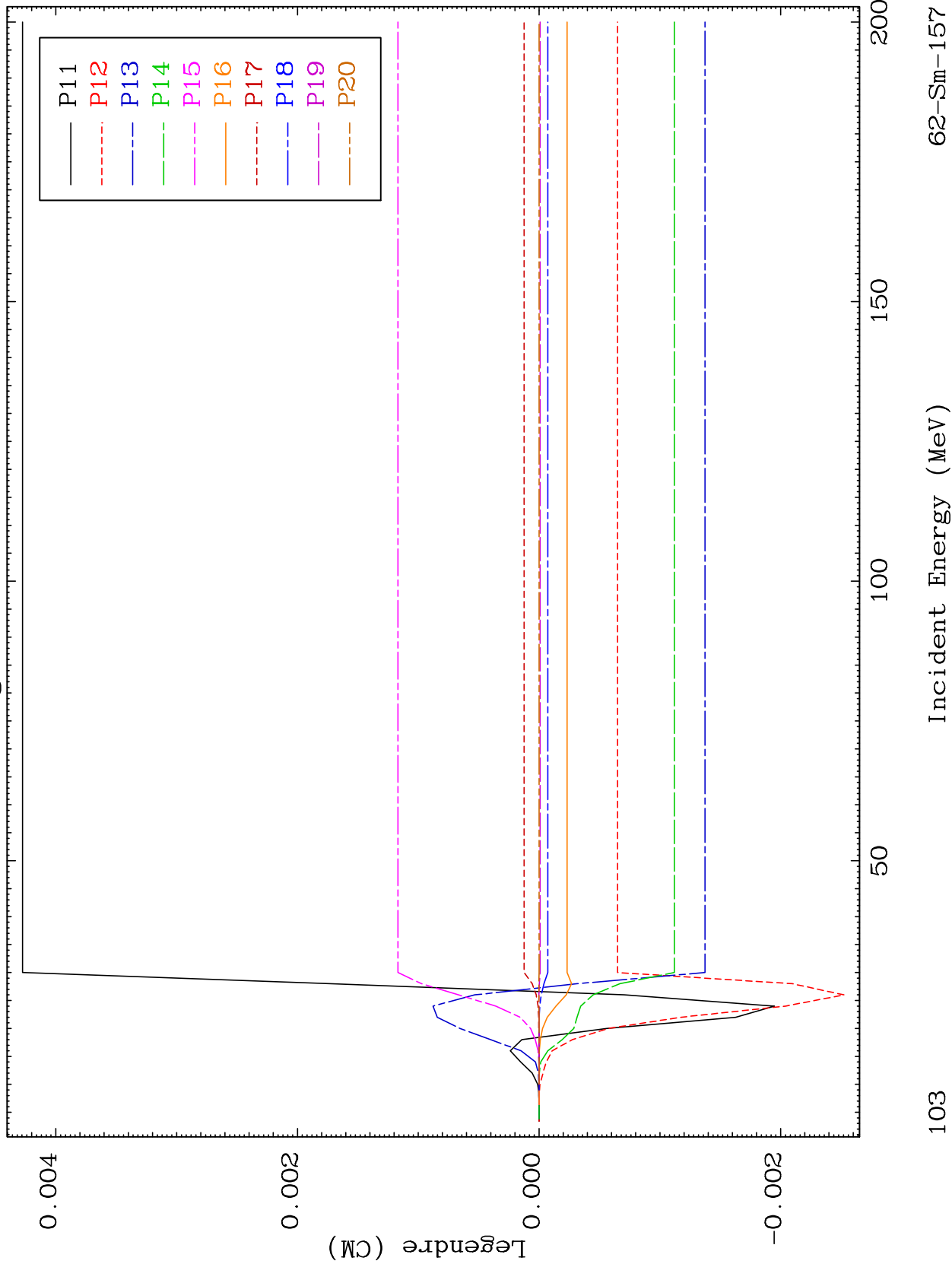


102

MAT 6264

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

62-Sm-157



103

Incident Energy (MeV)

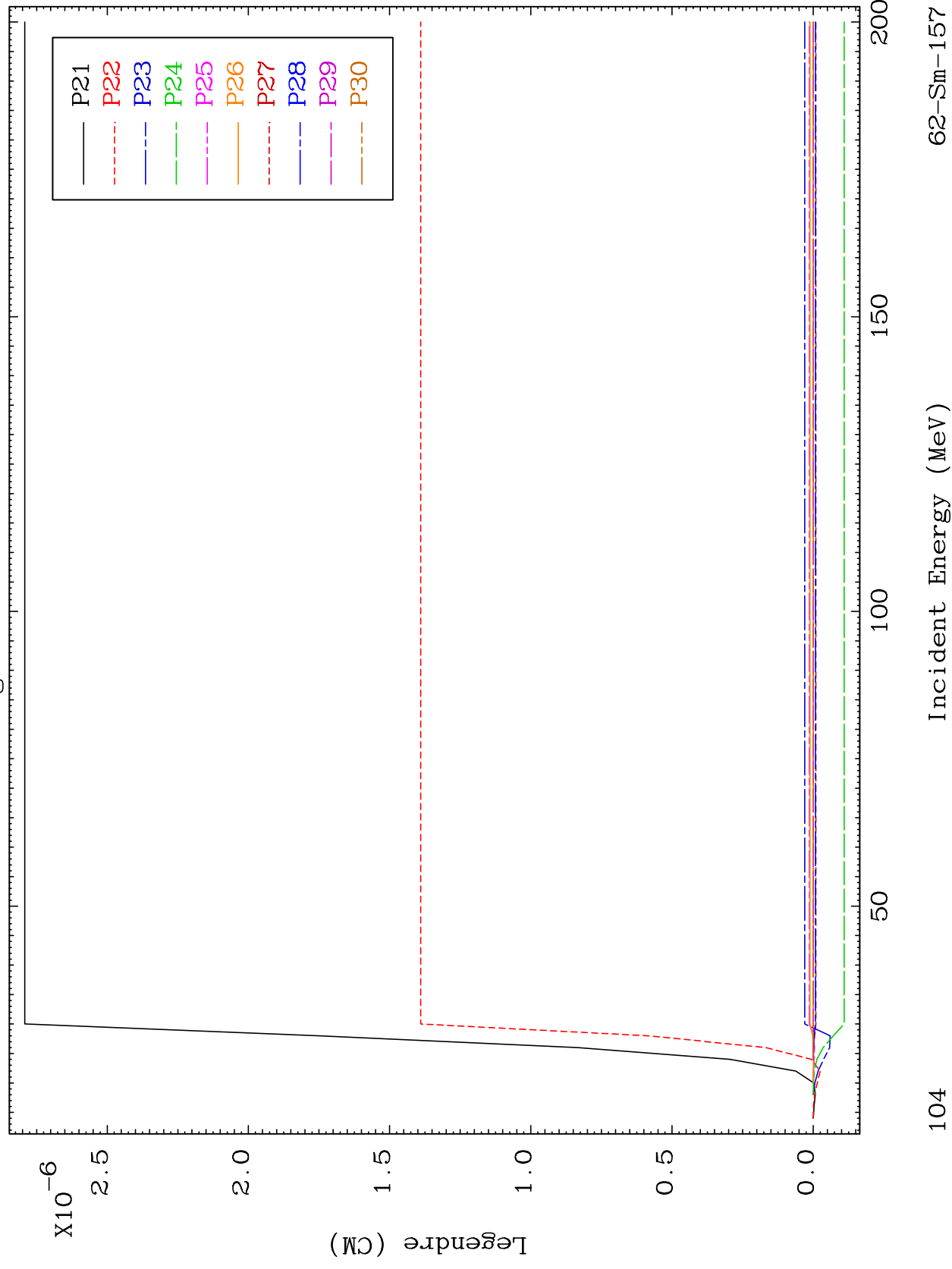
62-Sm-157



MAT 6264

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

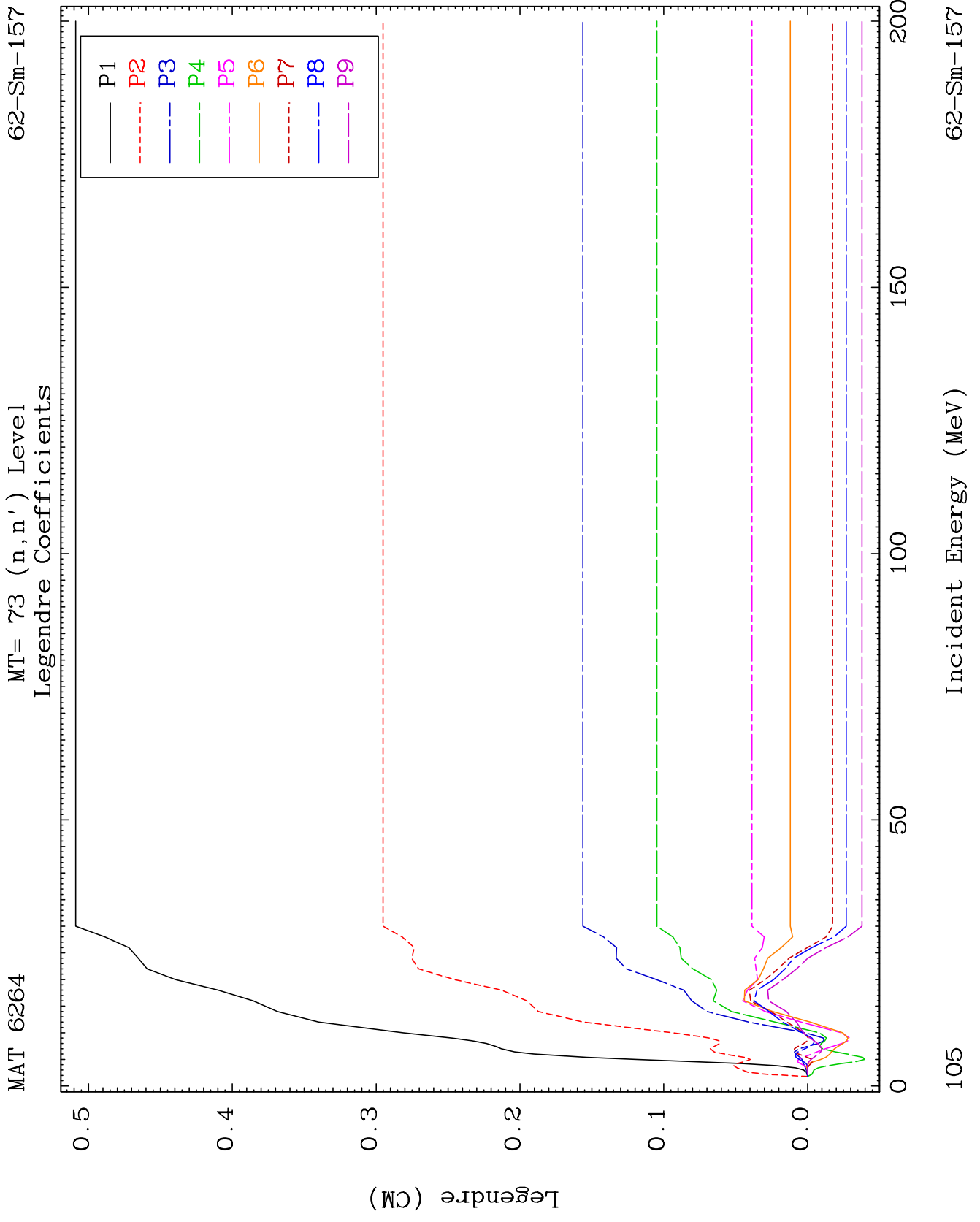
62-Sm-157



104

Incident Energy (MeV)

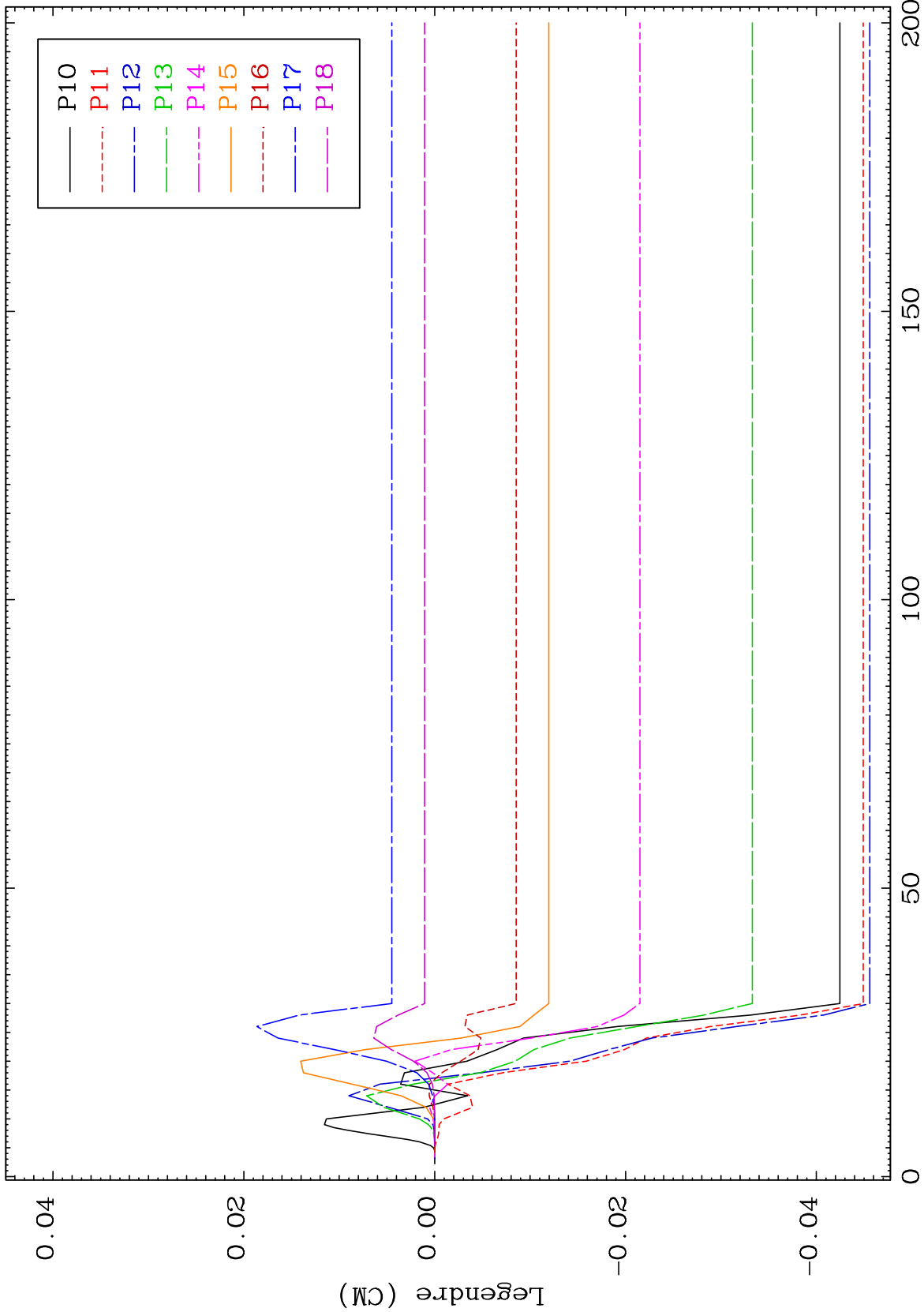
62-Sm-157



MAT 6264

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

62-Sm-157



106

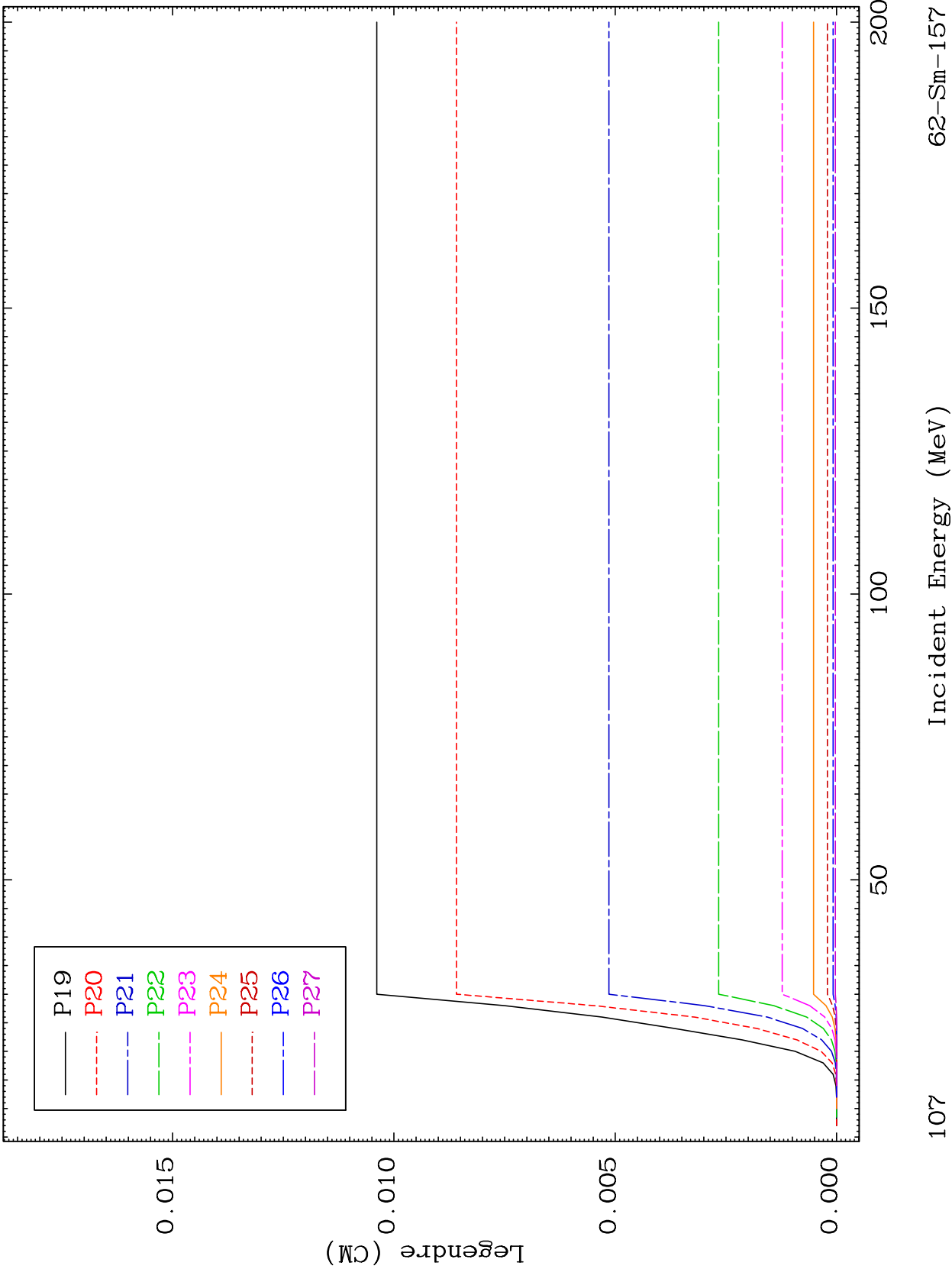
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



107

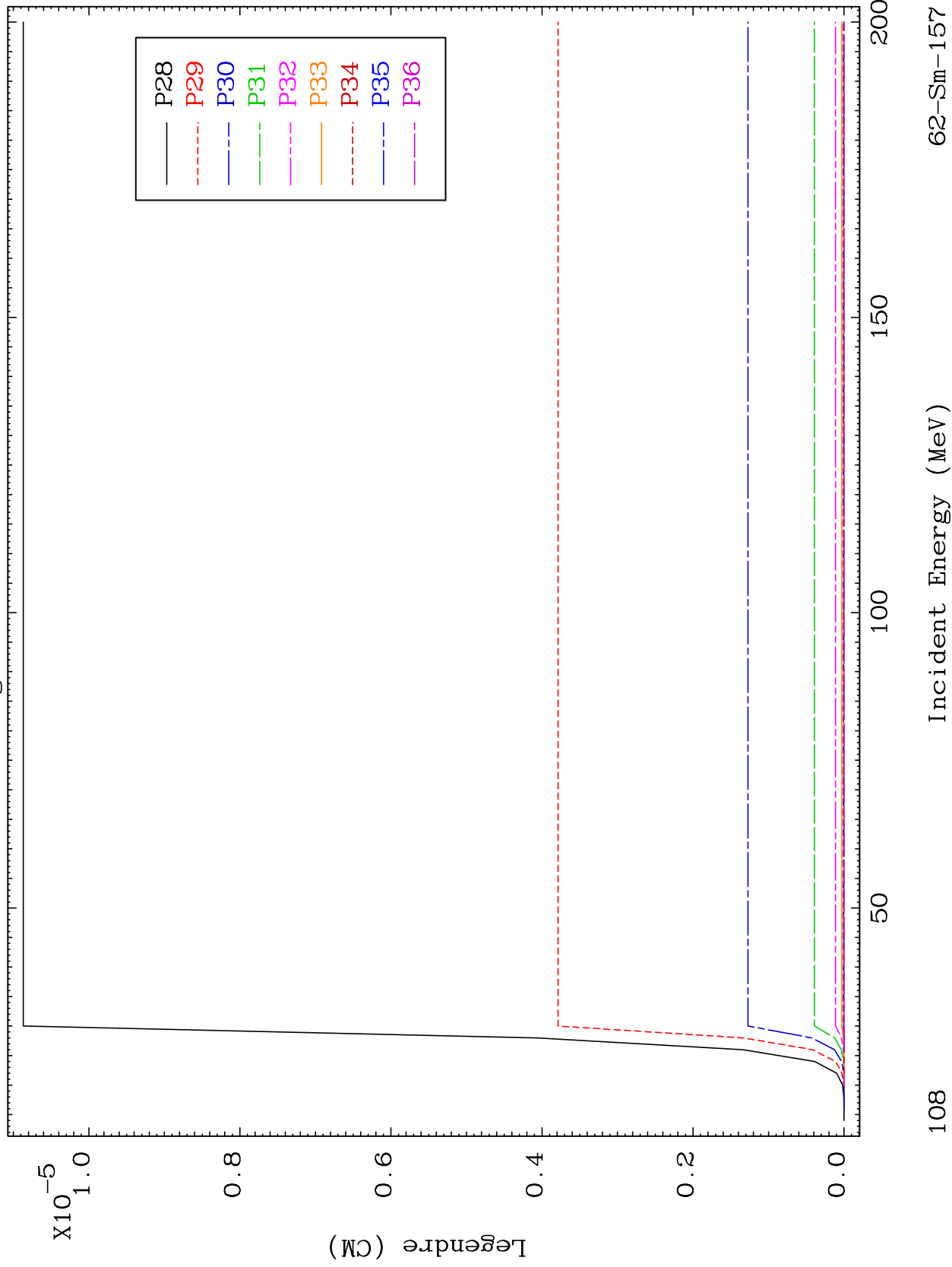
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



108

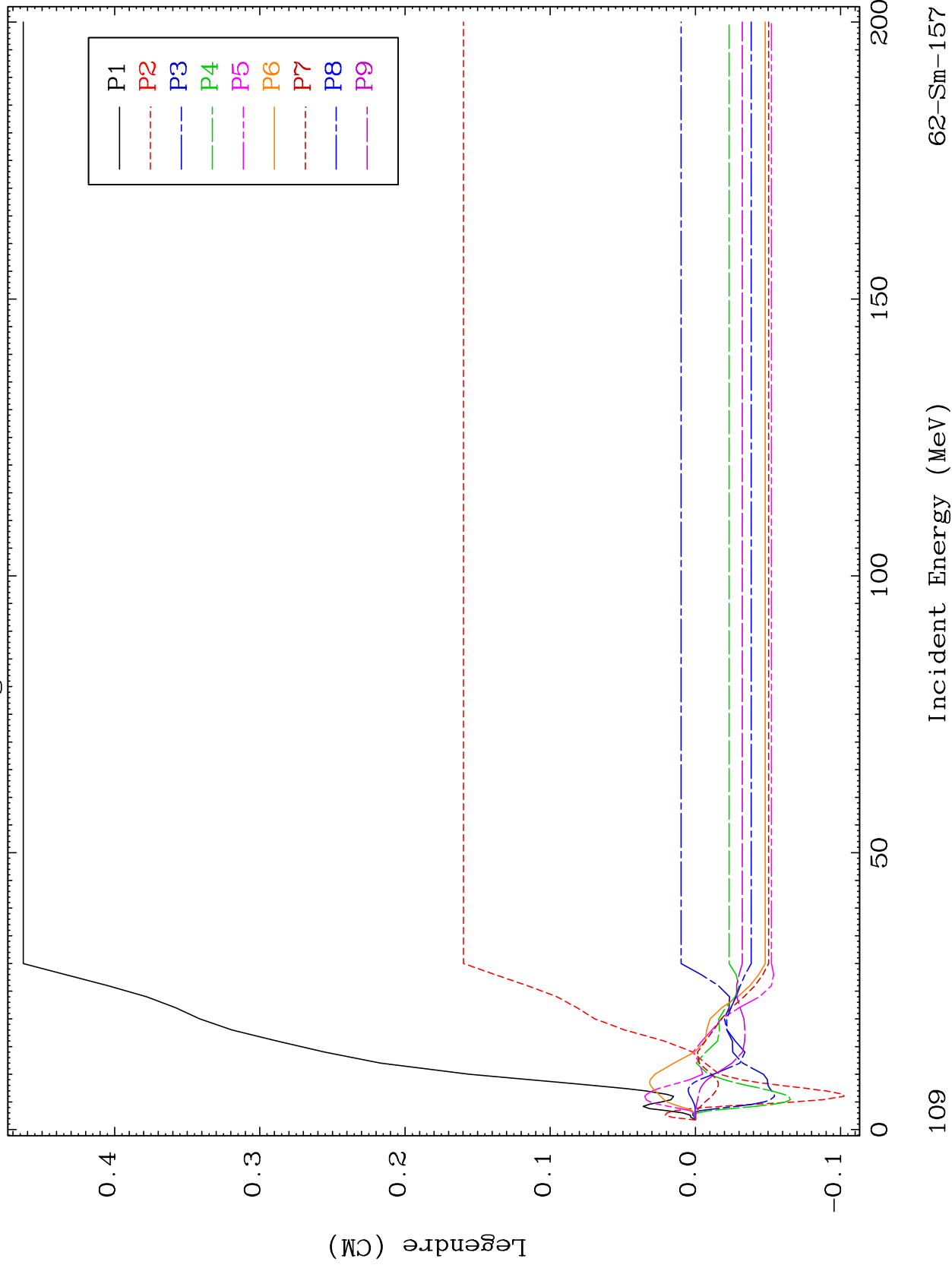
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

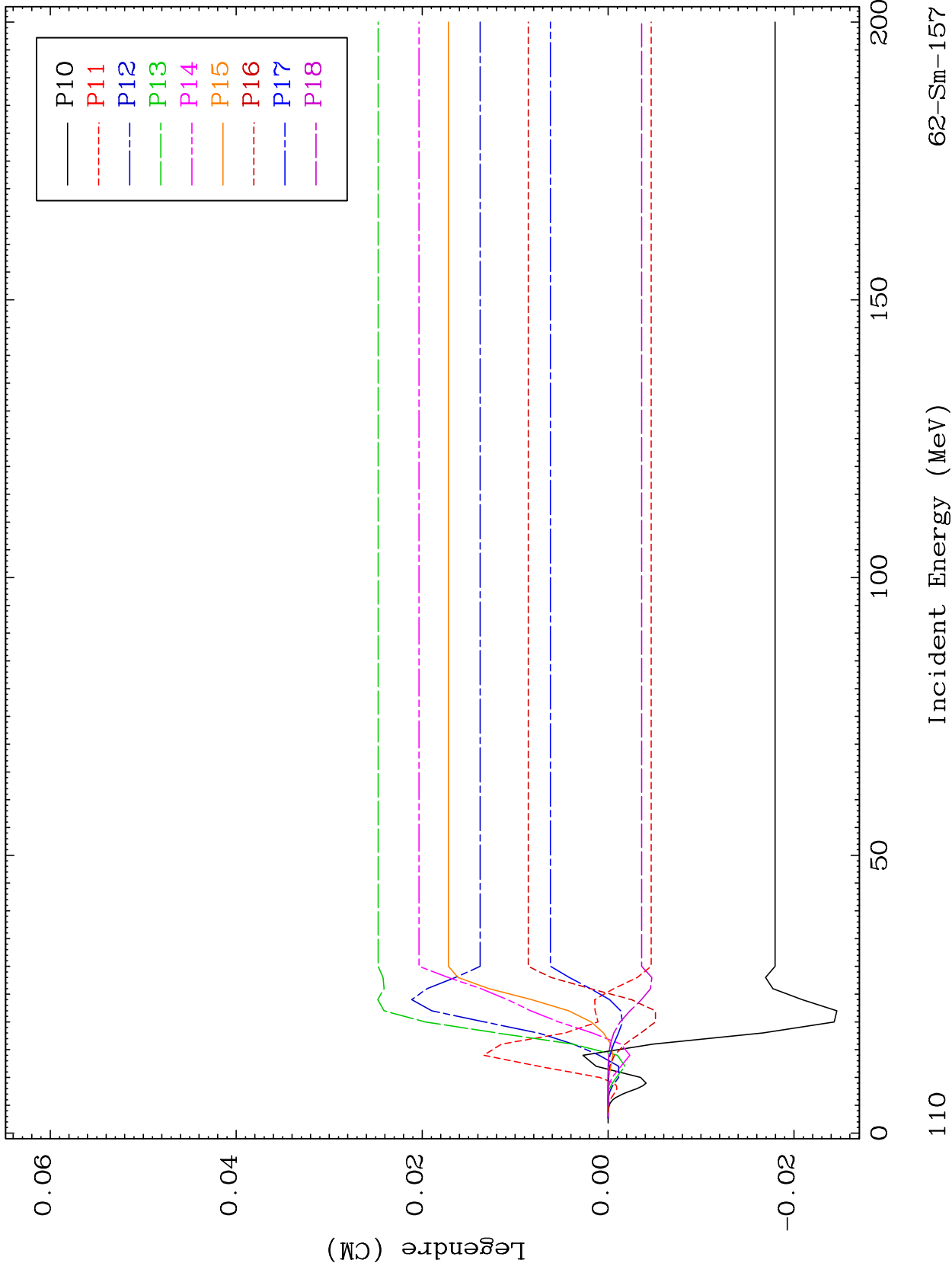
Incident Energy (MeV)

109

MAT 6264

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

62-Sm-157



62-Sm-157

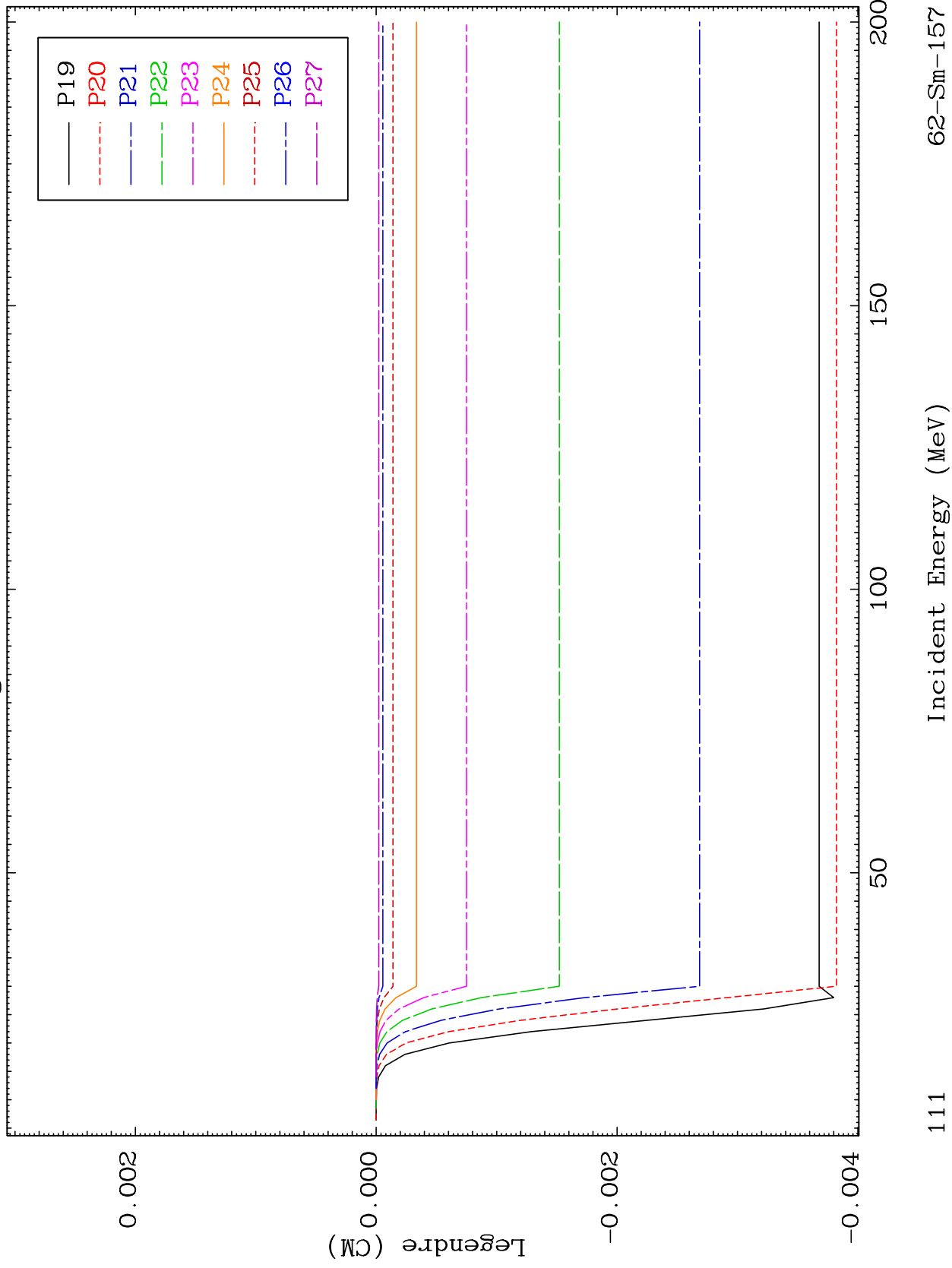
Incident Energy (MeV)

110

MAT 6264

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

62-Sm-157



111

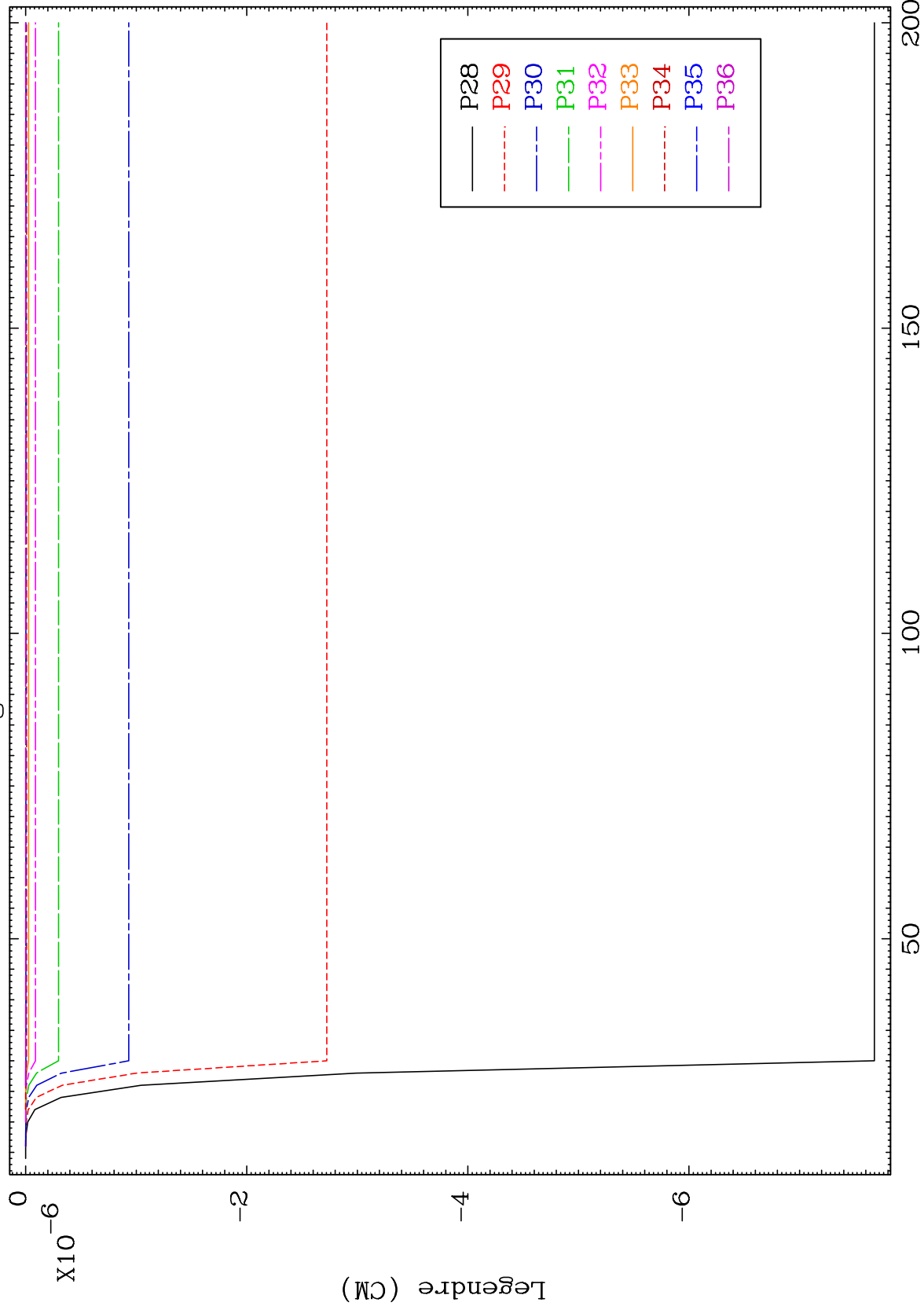


MAT 6264

MT= 74 (n,n') Level

62-Sm-157

Legendre Coefficients



112

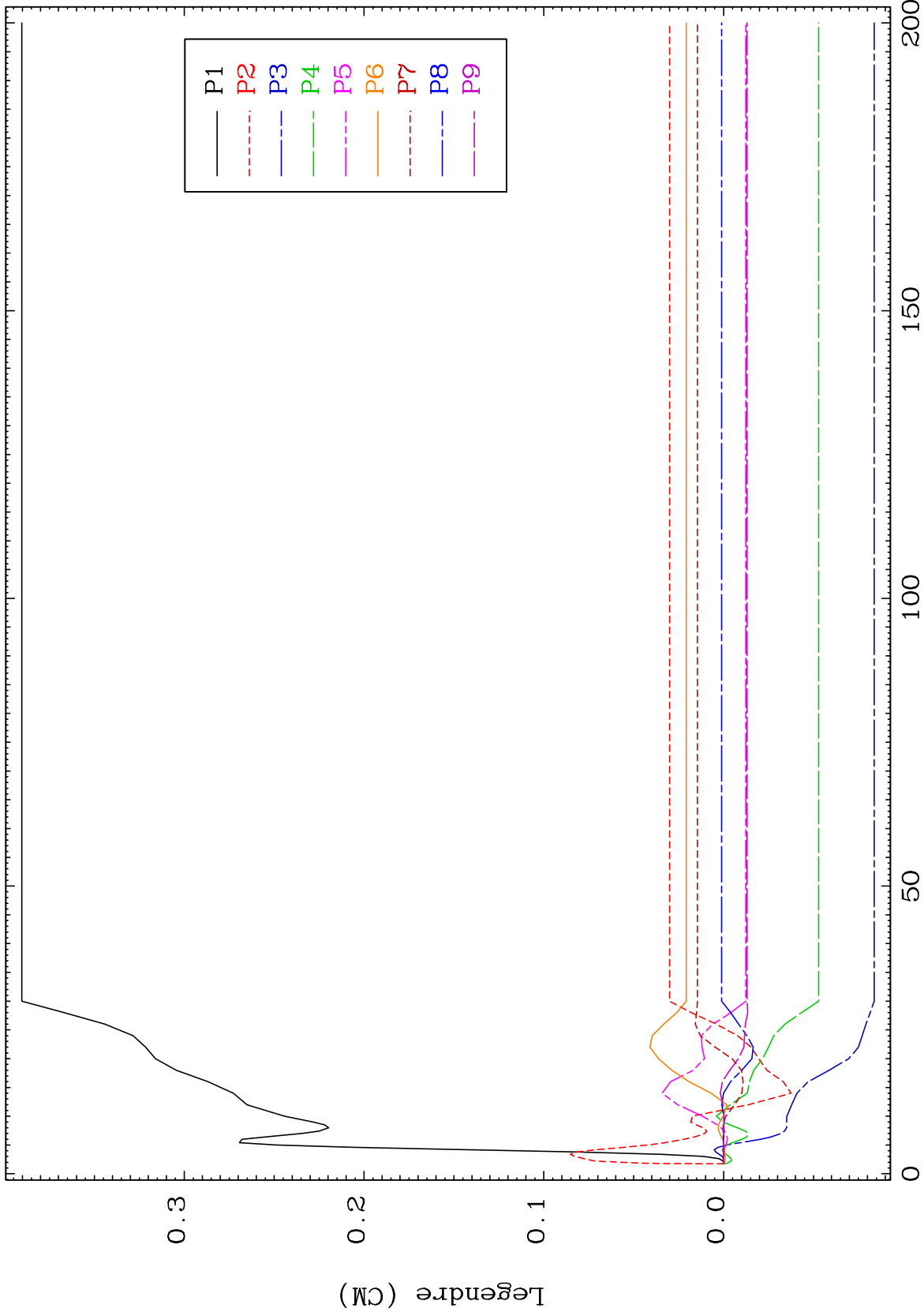
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



113

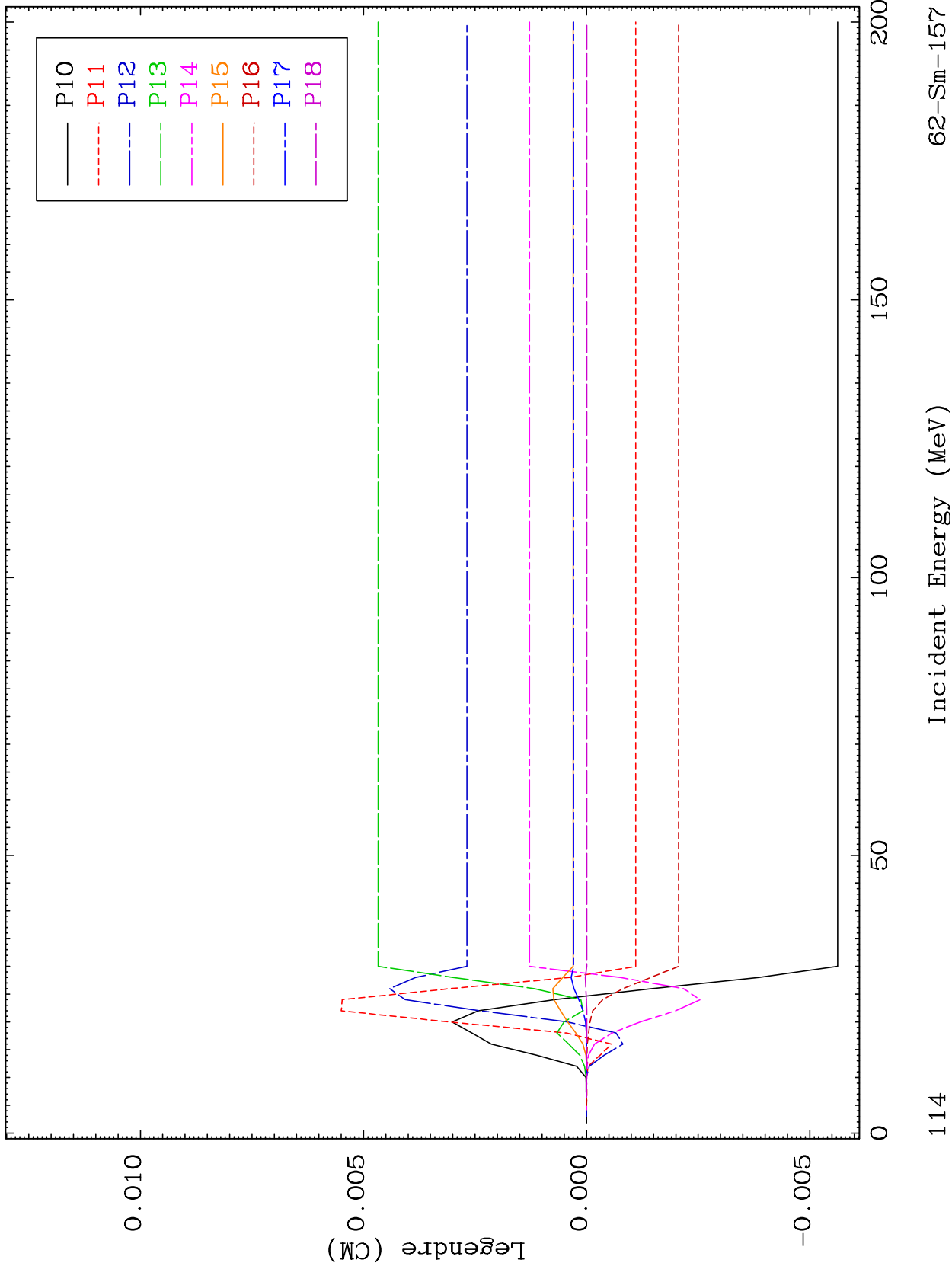
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



114

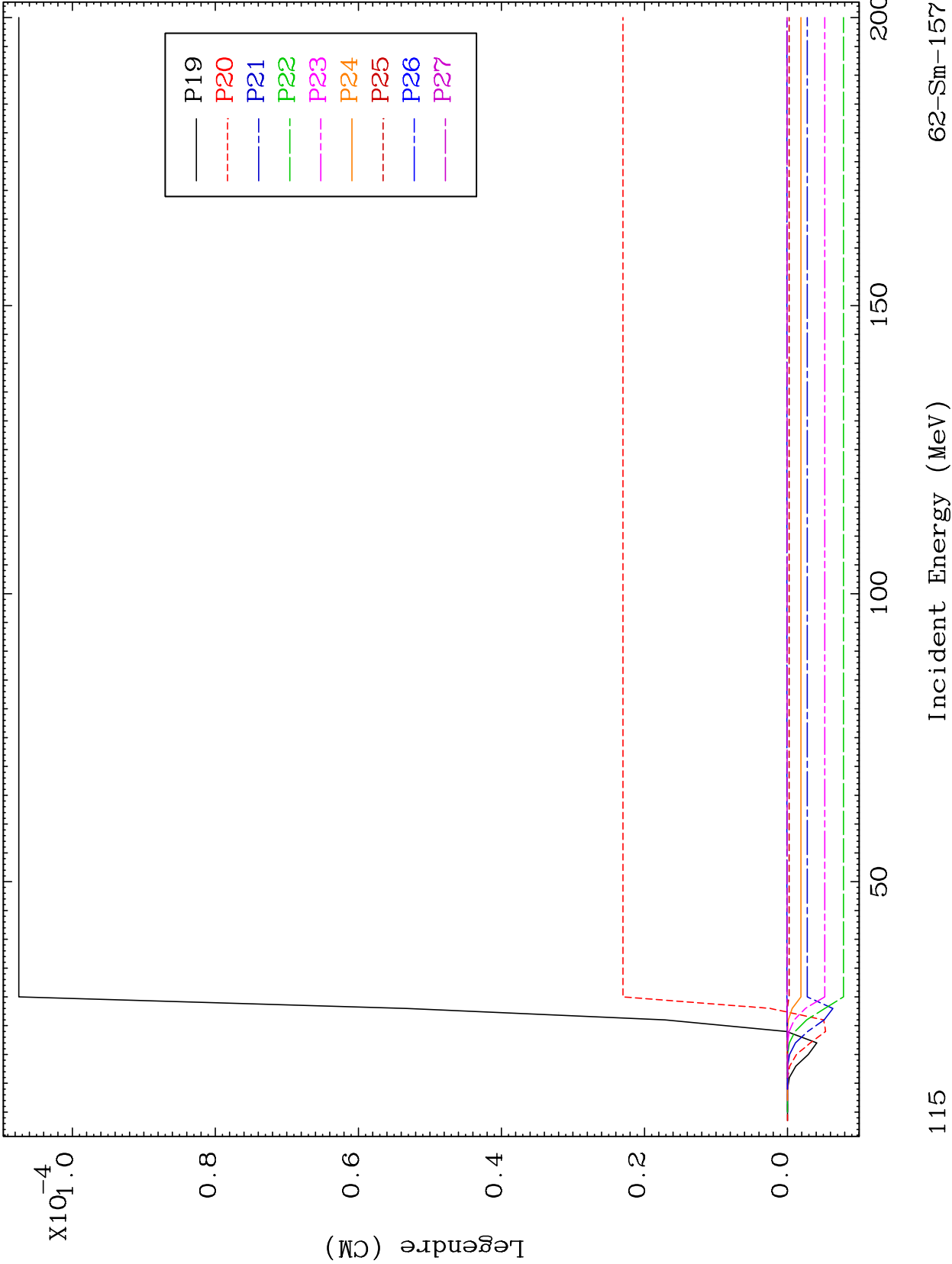
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



115

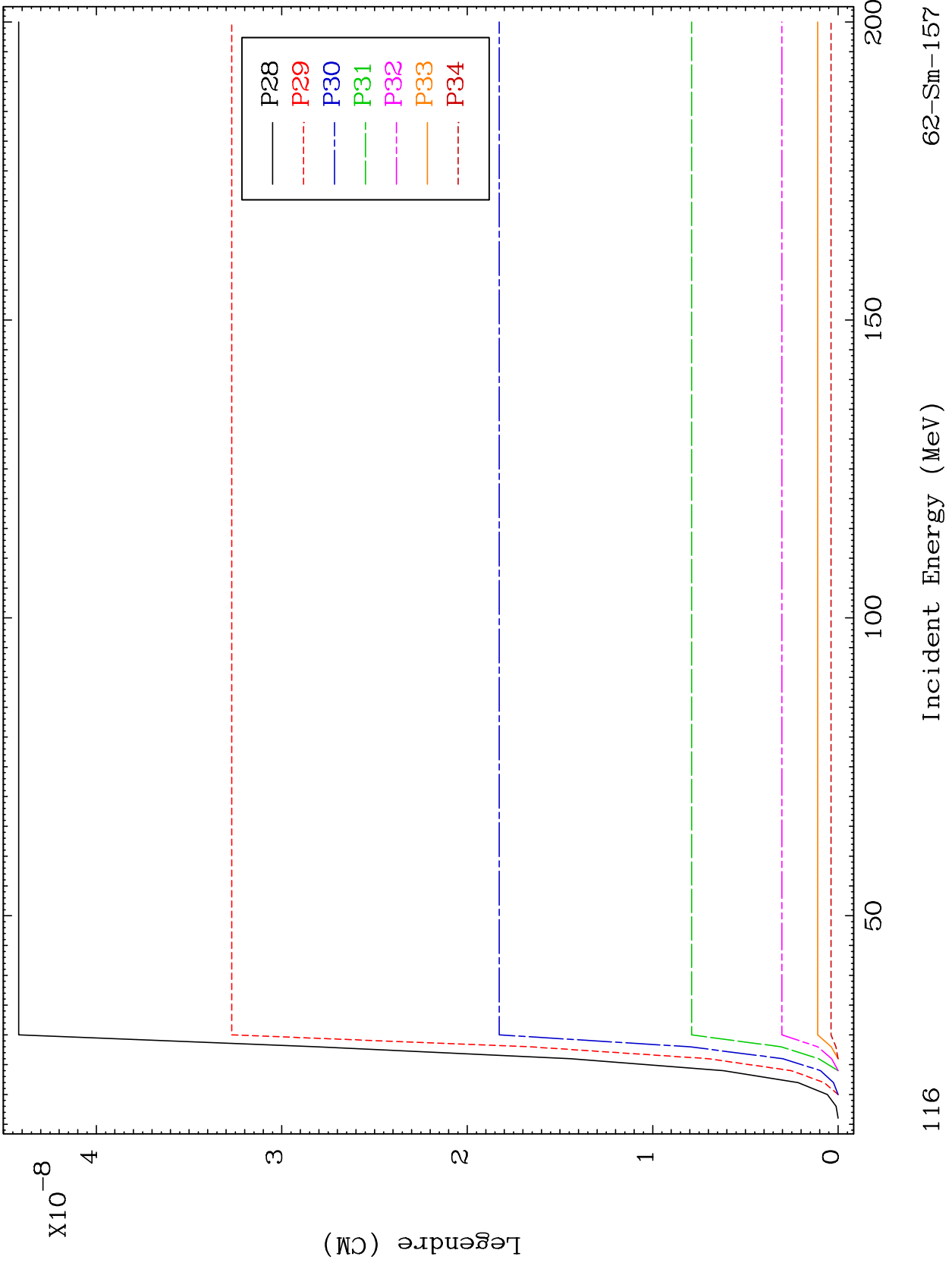
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



116

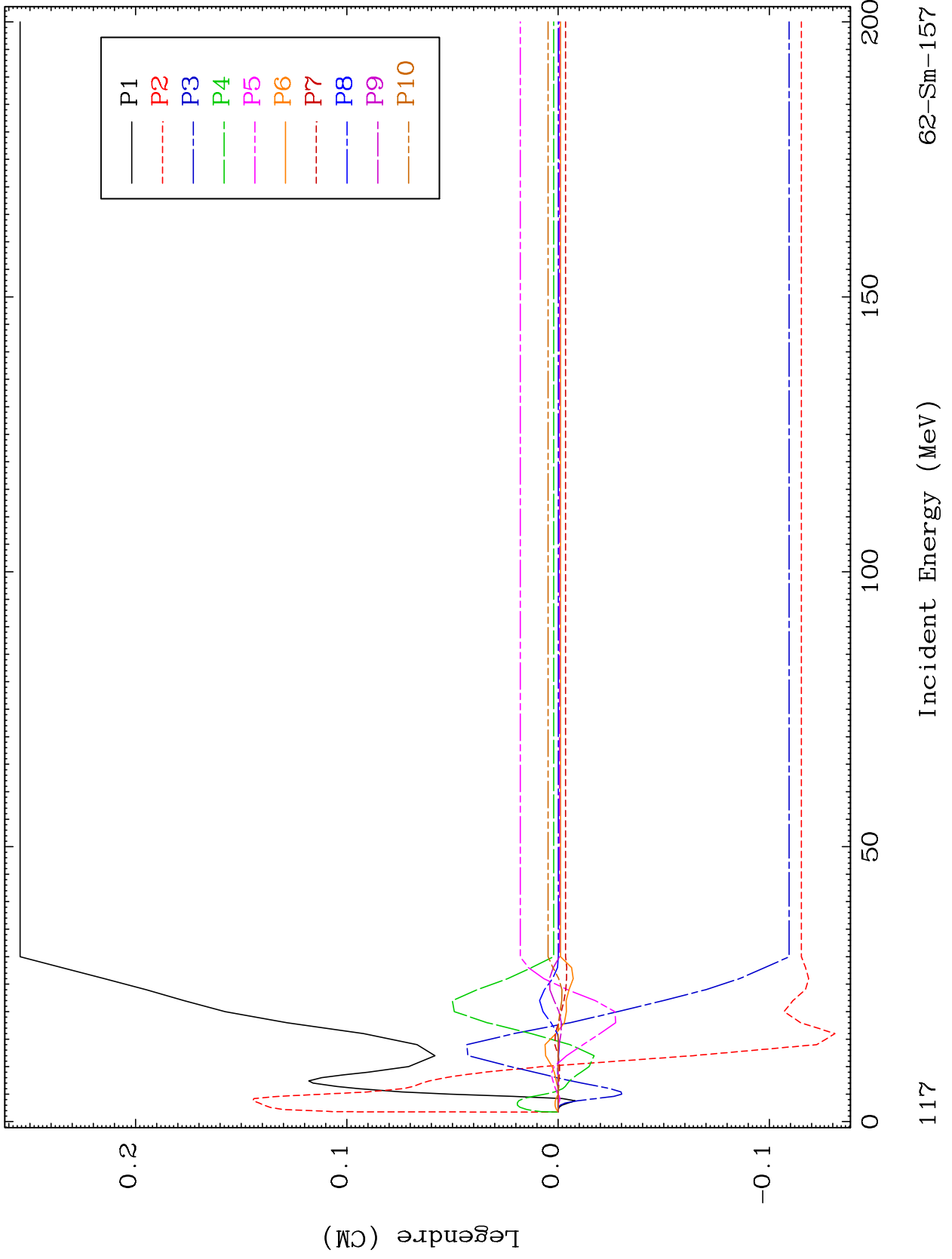
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



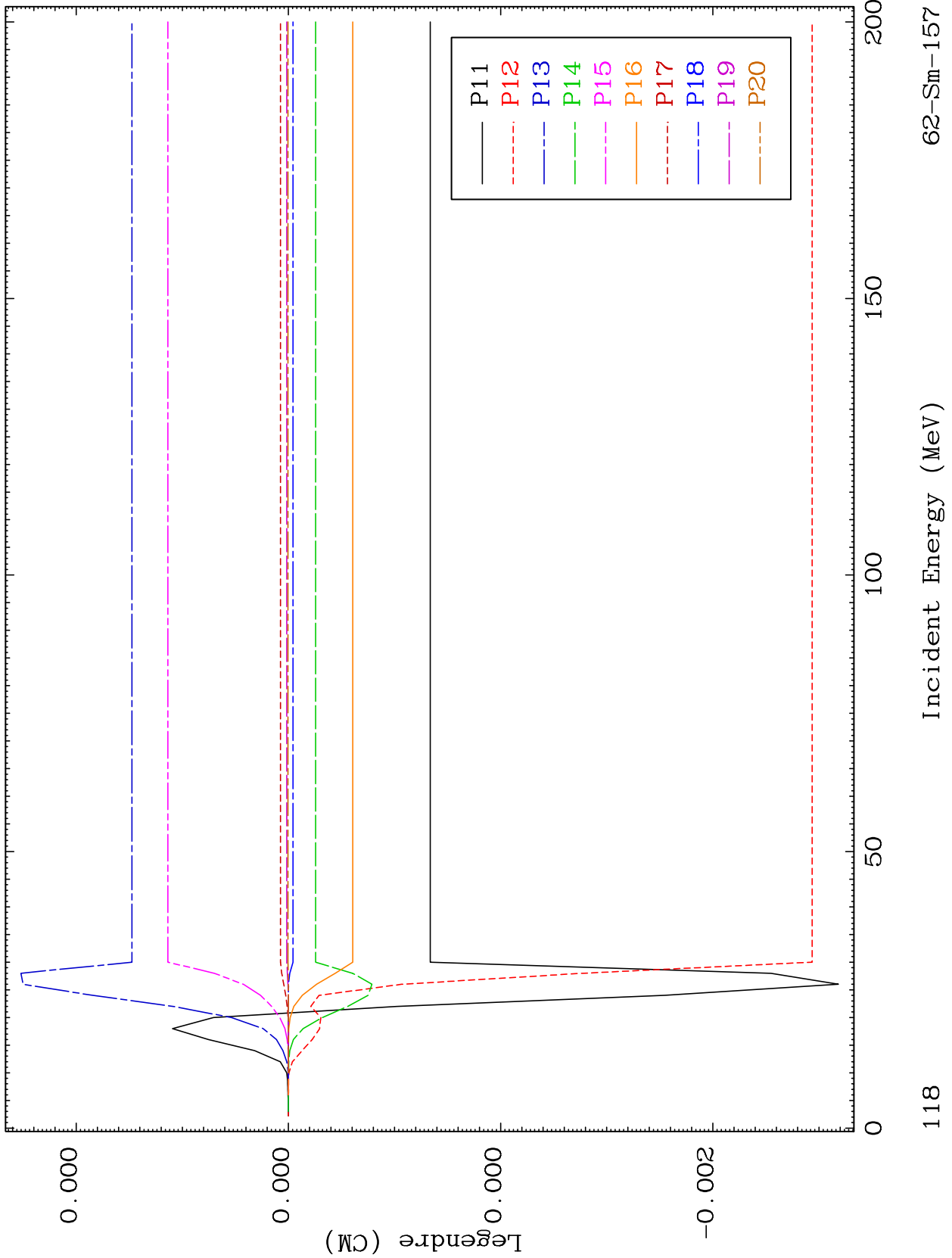
117

62-Sm-157

MAT 6264

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

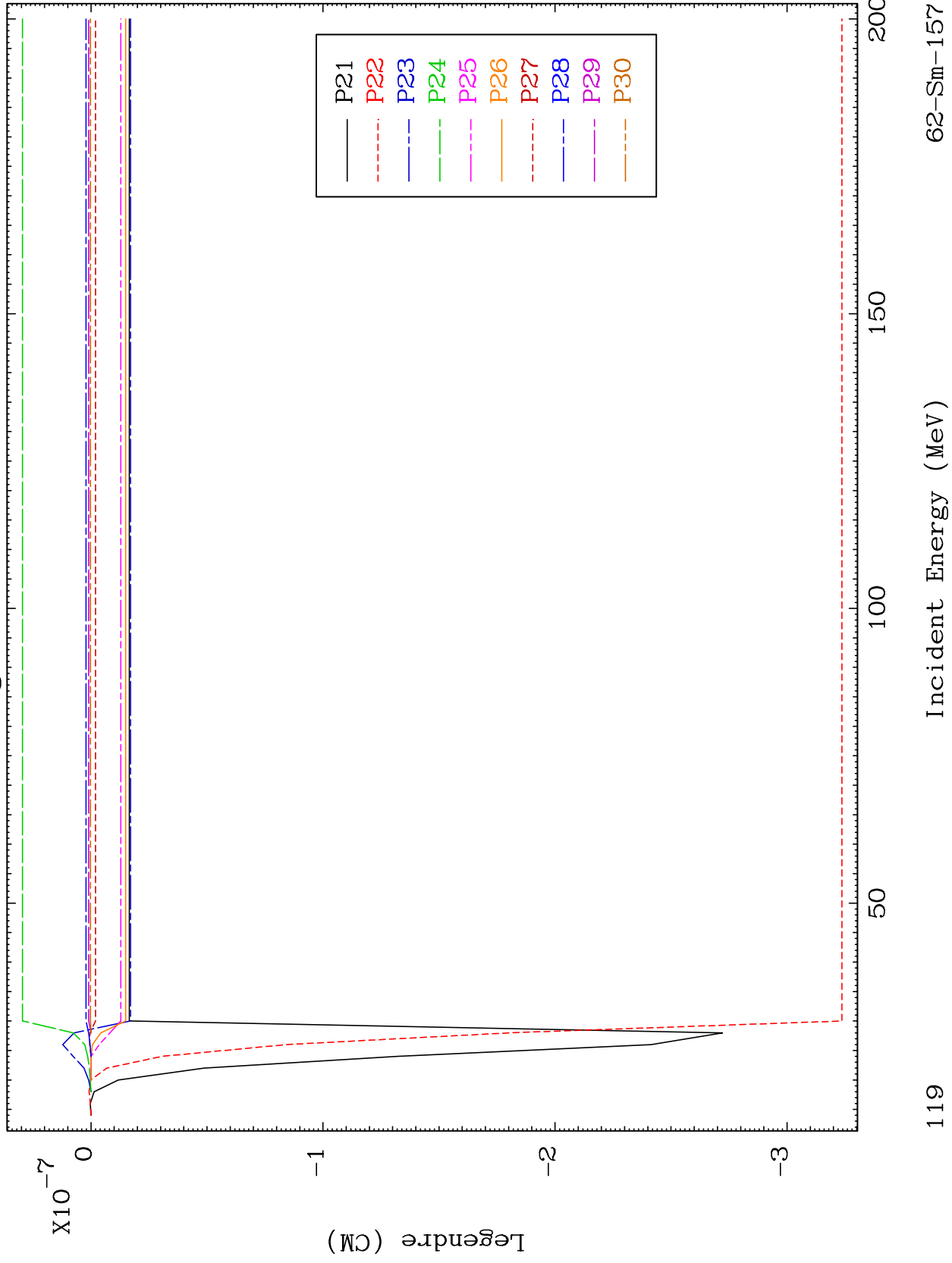
62-Sm-157



MAT 6264

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

62-Sm-157

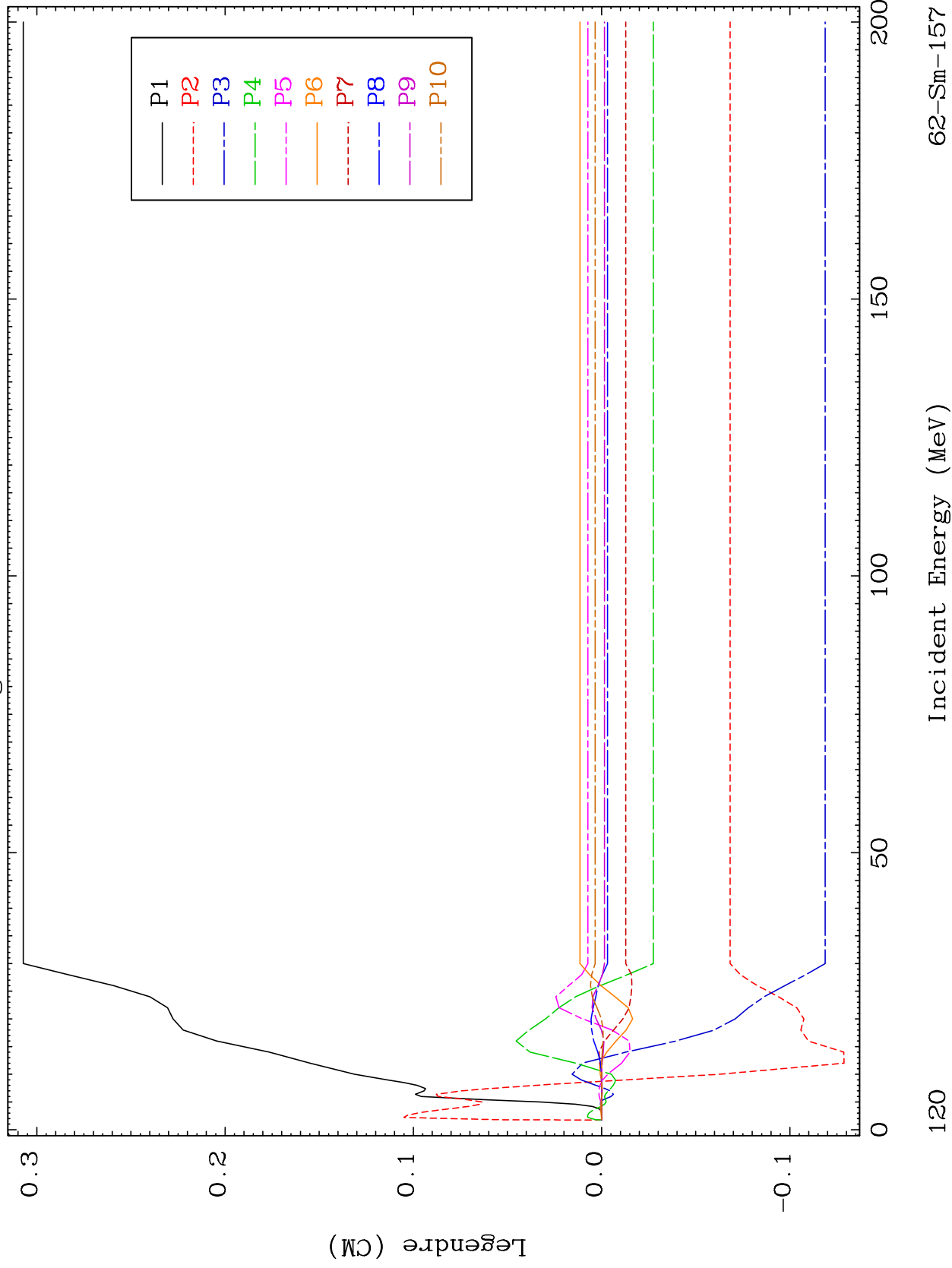




MAT 6264

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

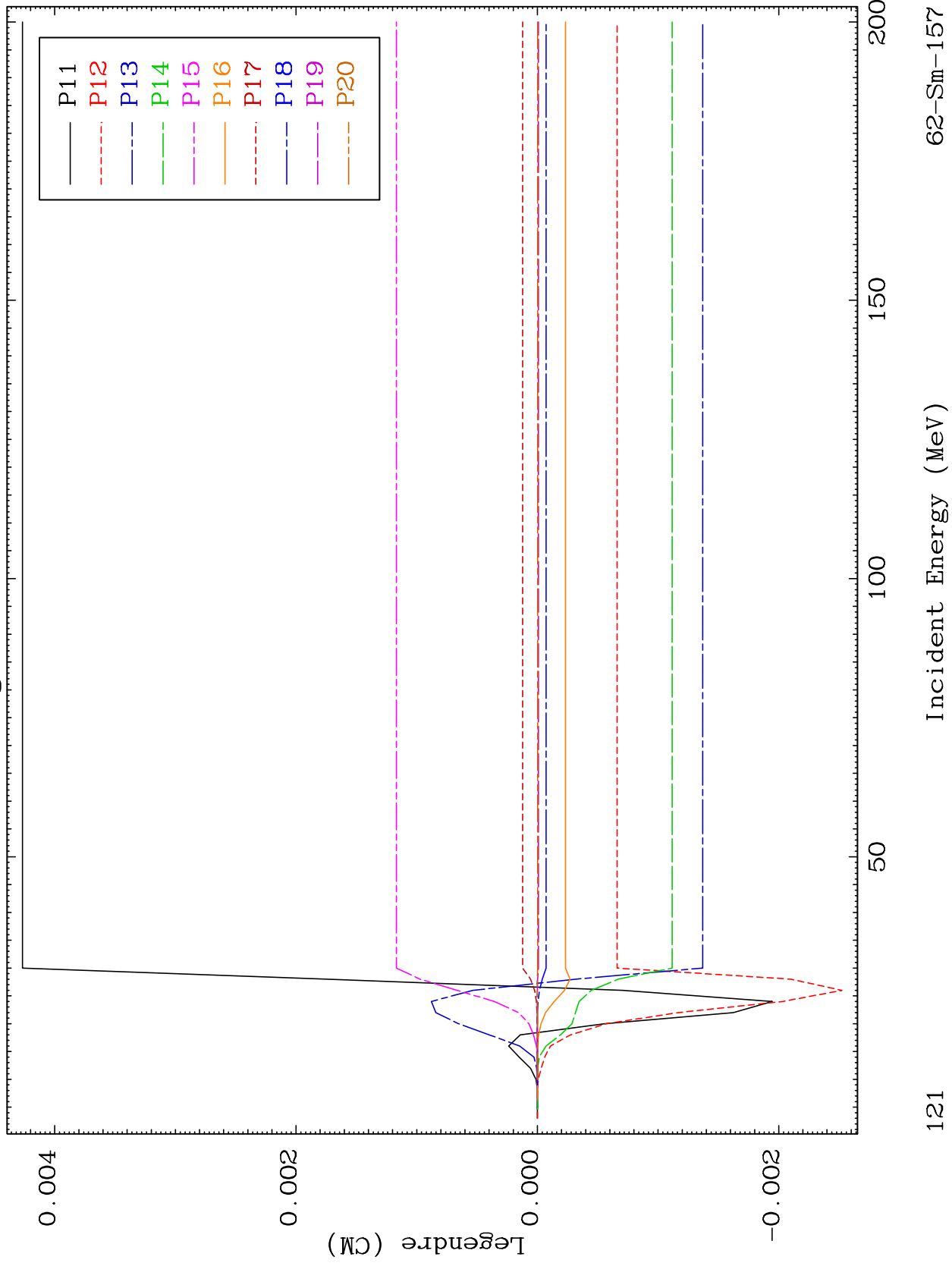
62-Sm-157



MAT 6264

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

62-Sm-157



121

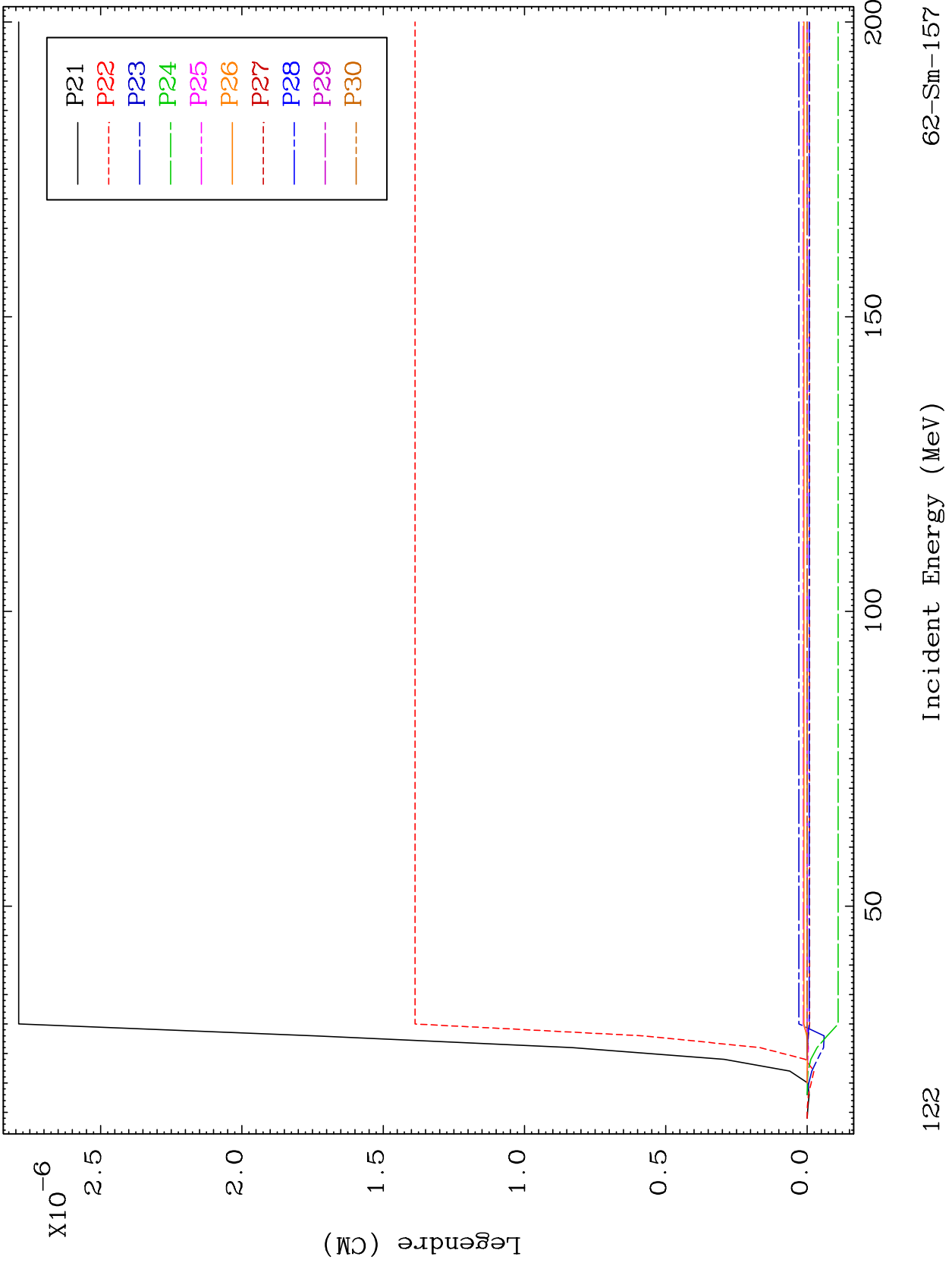
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



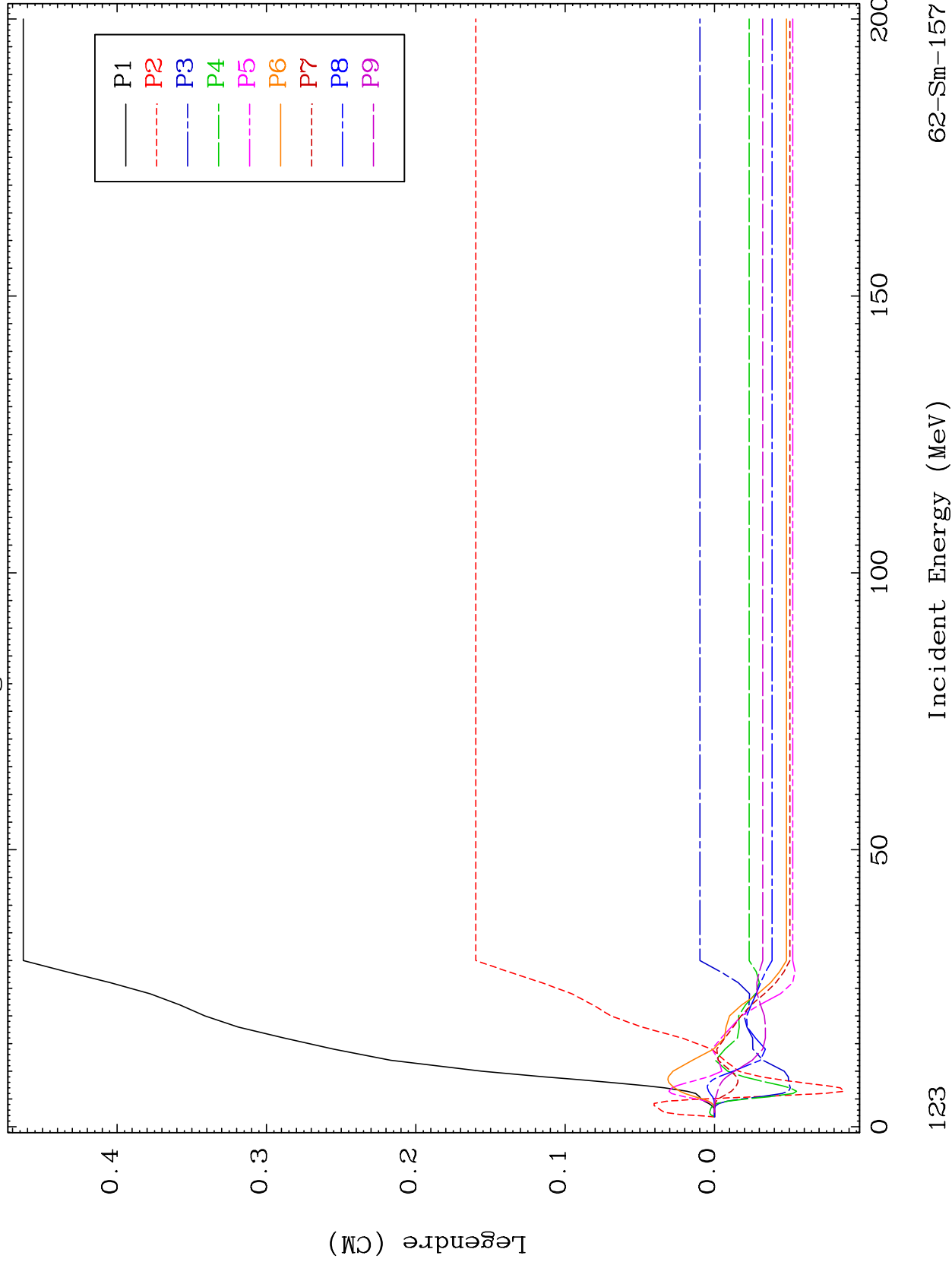
122

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

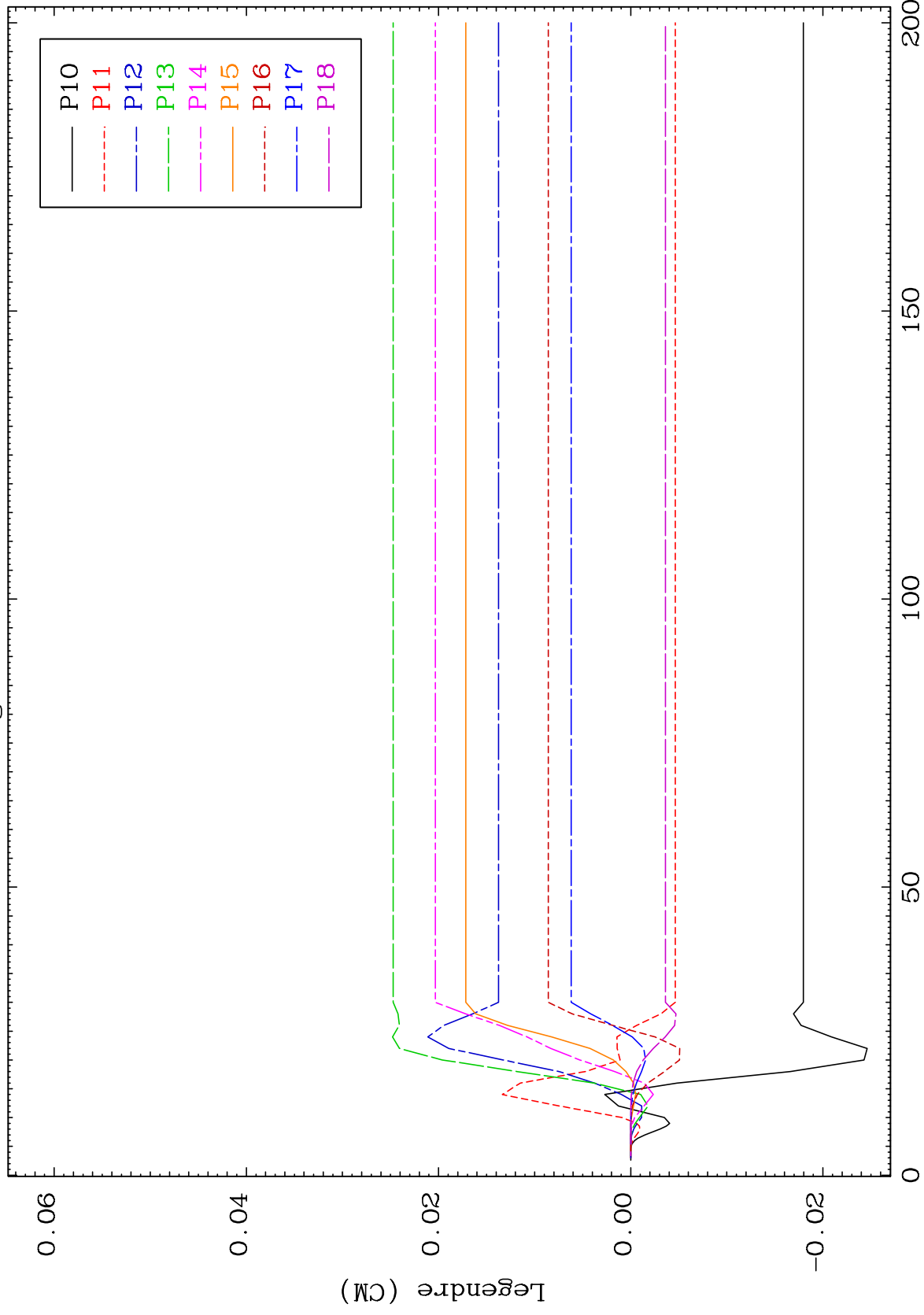
Incident Energy (MeV)

123

MAT 6264

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

62-Sm-157



124

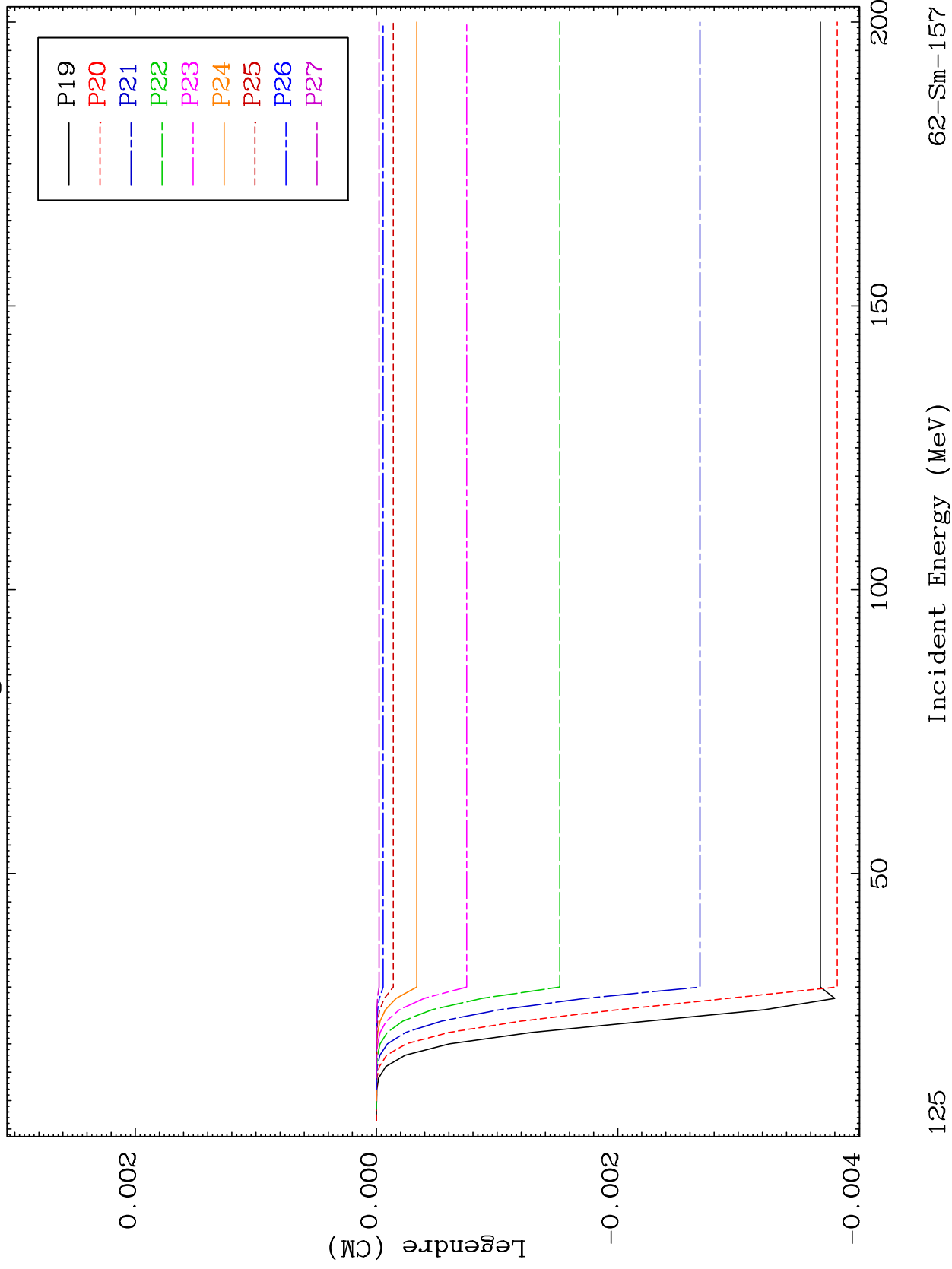
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

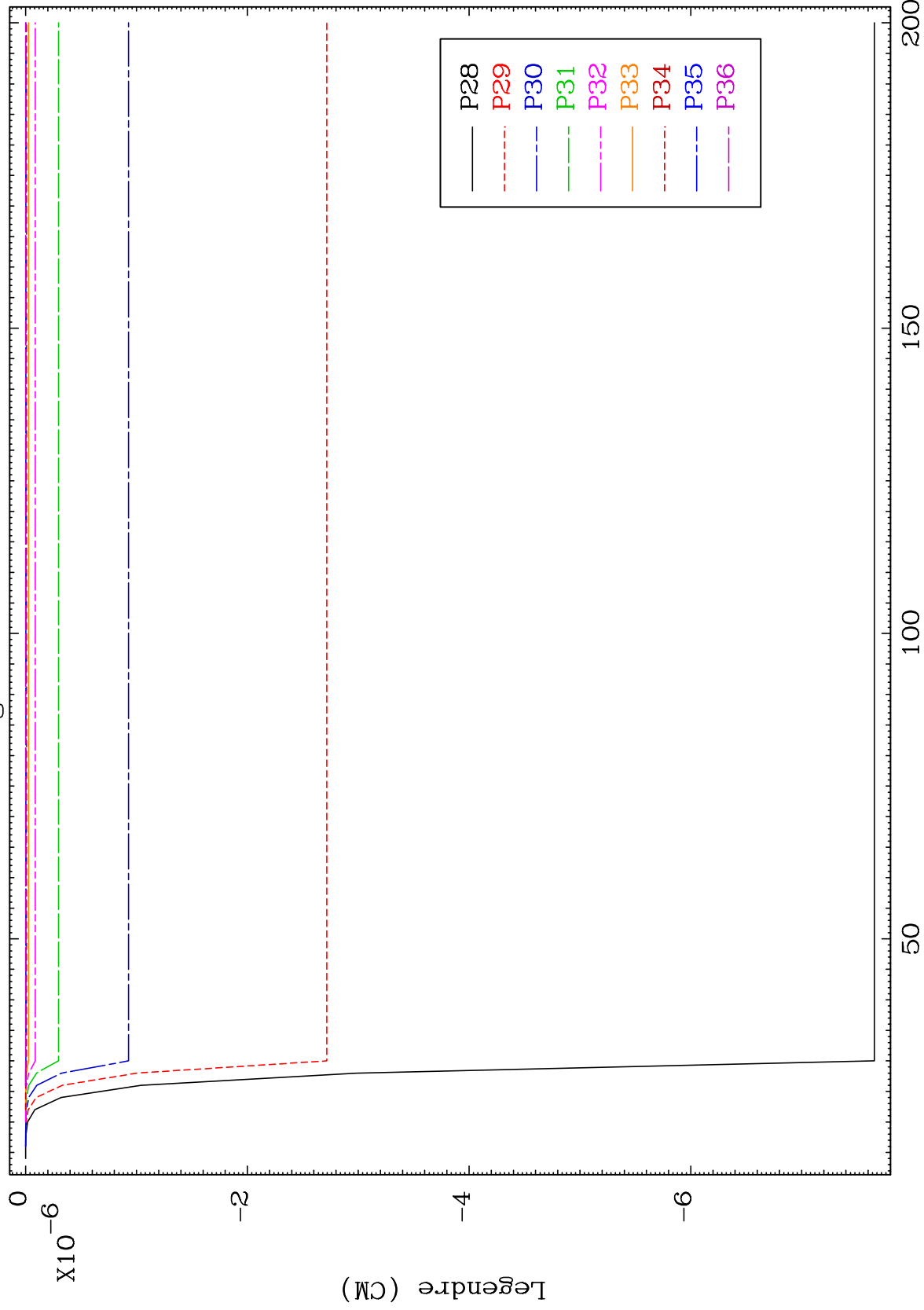
Incident Energy (MeV)

125

MAT 6264

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

62-Sm-157



126

Incident Energy (MeV)

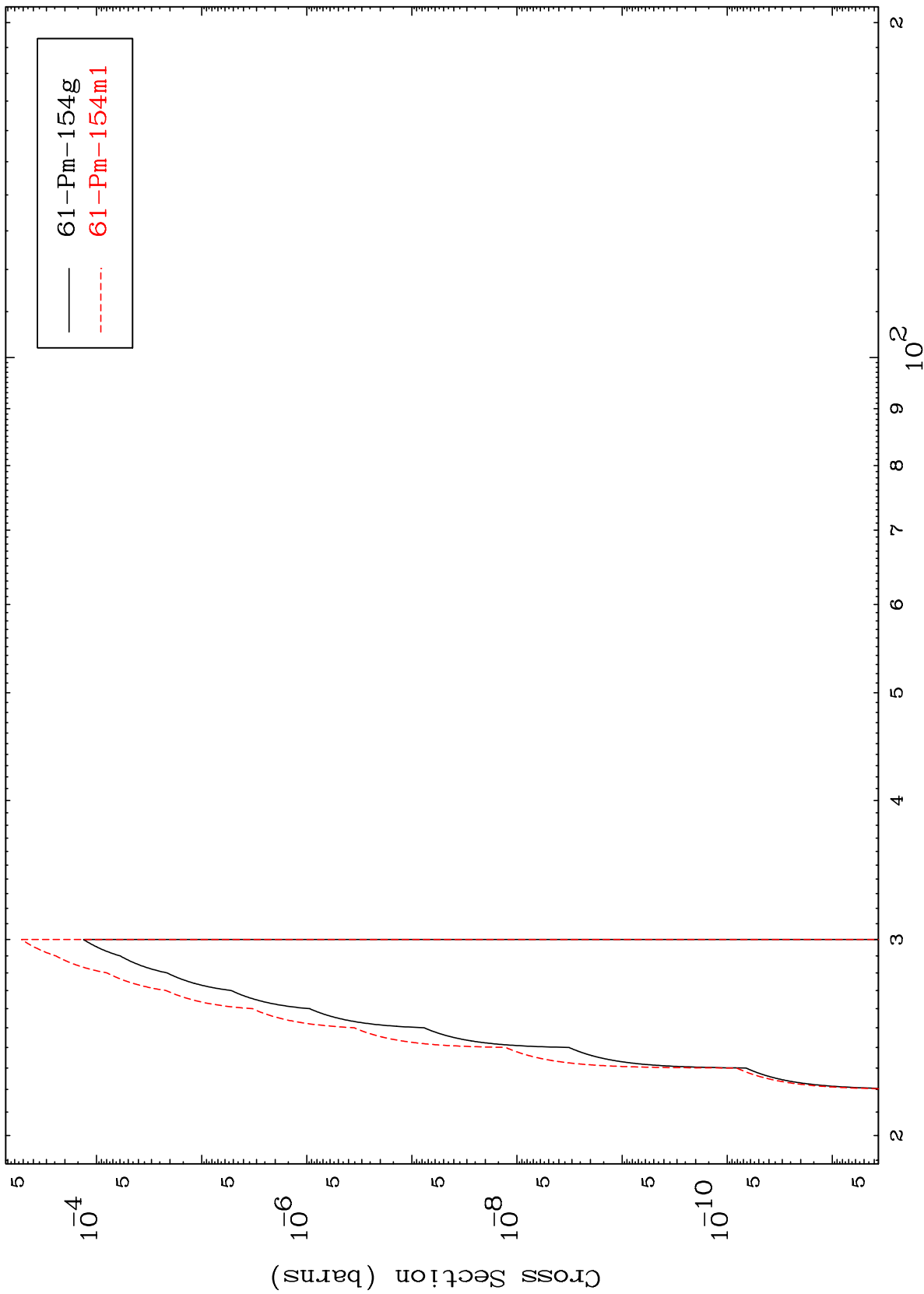
62-Sm-157

MAT 6264

(n,2n) d

62-Sm-157

Radionuclide Production Cross Section



61-Pm-154g  
61-Pm-154m1

127

Incident Energy (MeV)

62-Sm-157

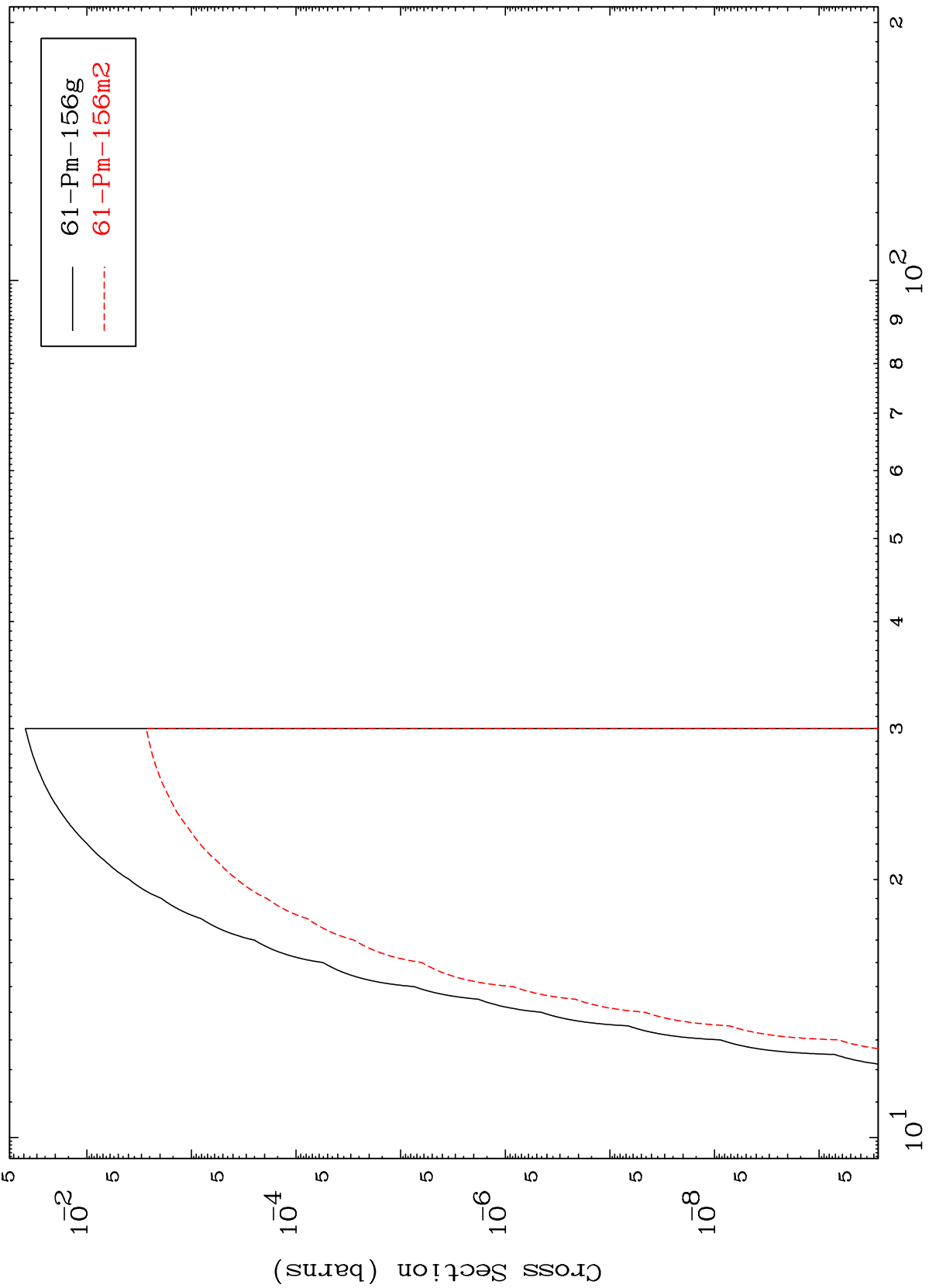


MAT 6264

(n,n') p

62-Sm-157

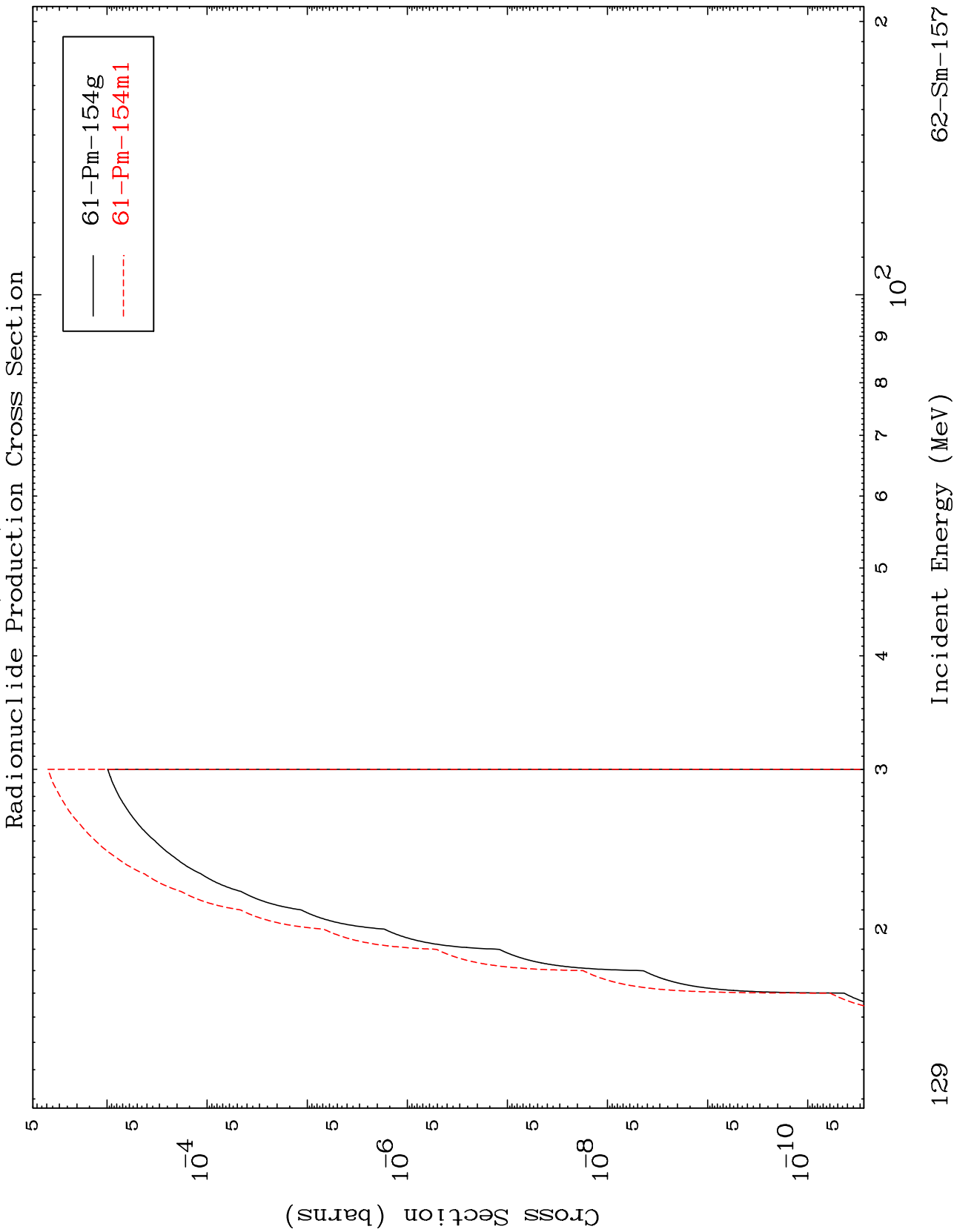
Radionuclide Production Cross Section



128

Incident Energy (MeV)

62-Sm-157

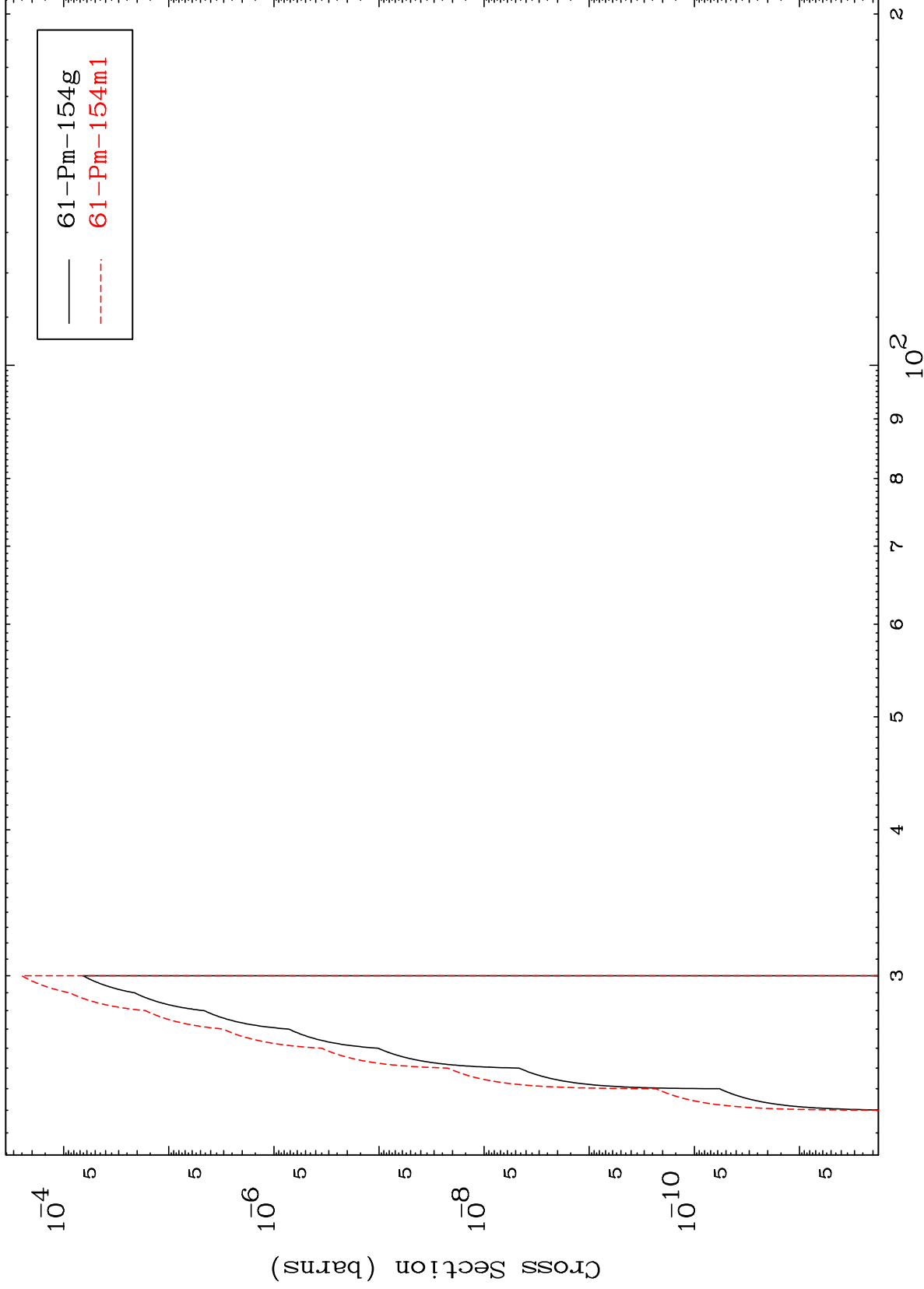


MAT 6264

(n,3n) p

62-Sm-157

Radionuclide Production Cross Section



130

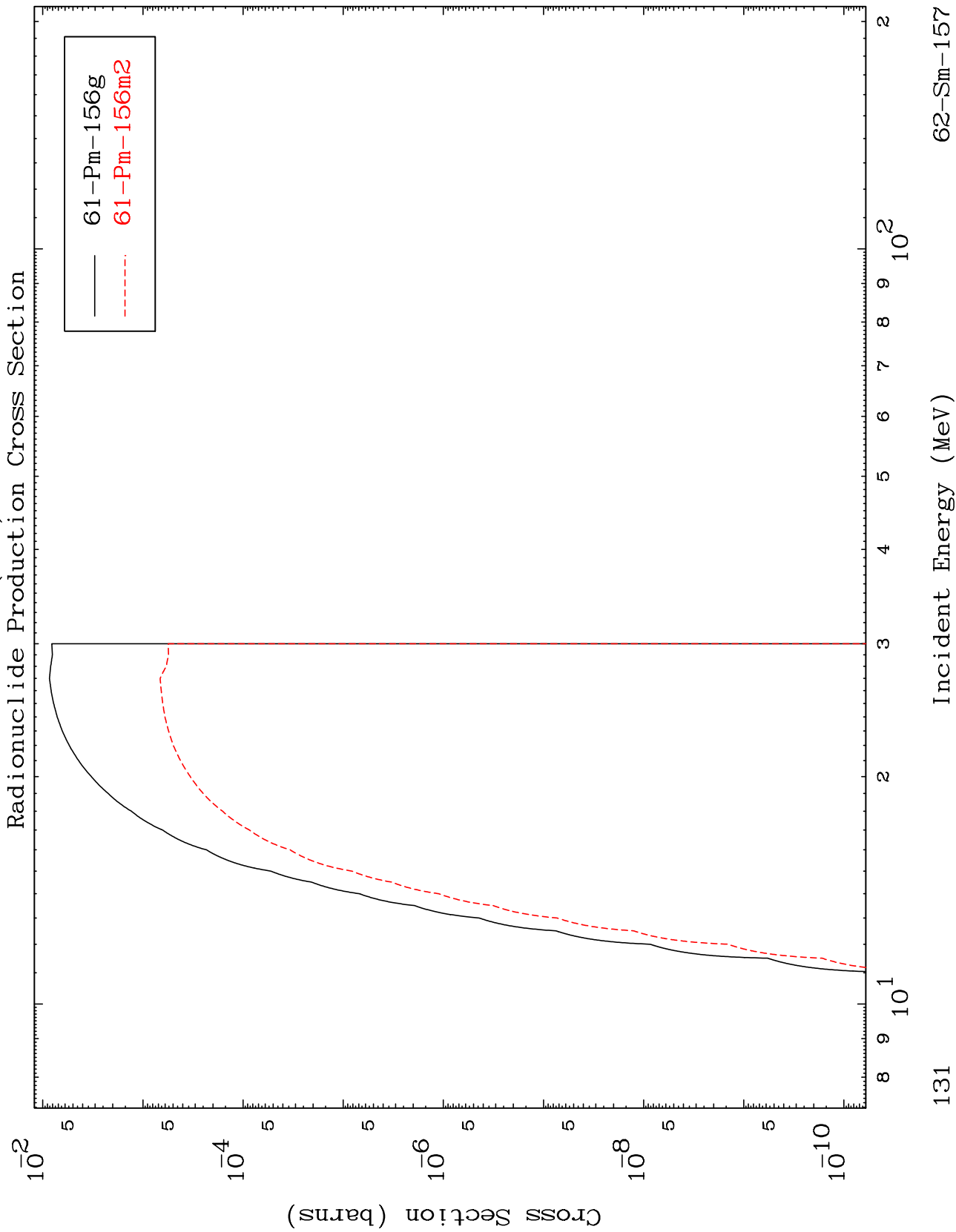
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,d)

62-Sm-157



131