

Program EVALPLOT
(Version 2018-1)

by

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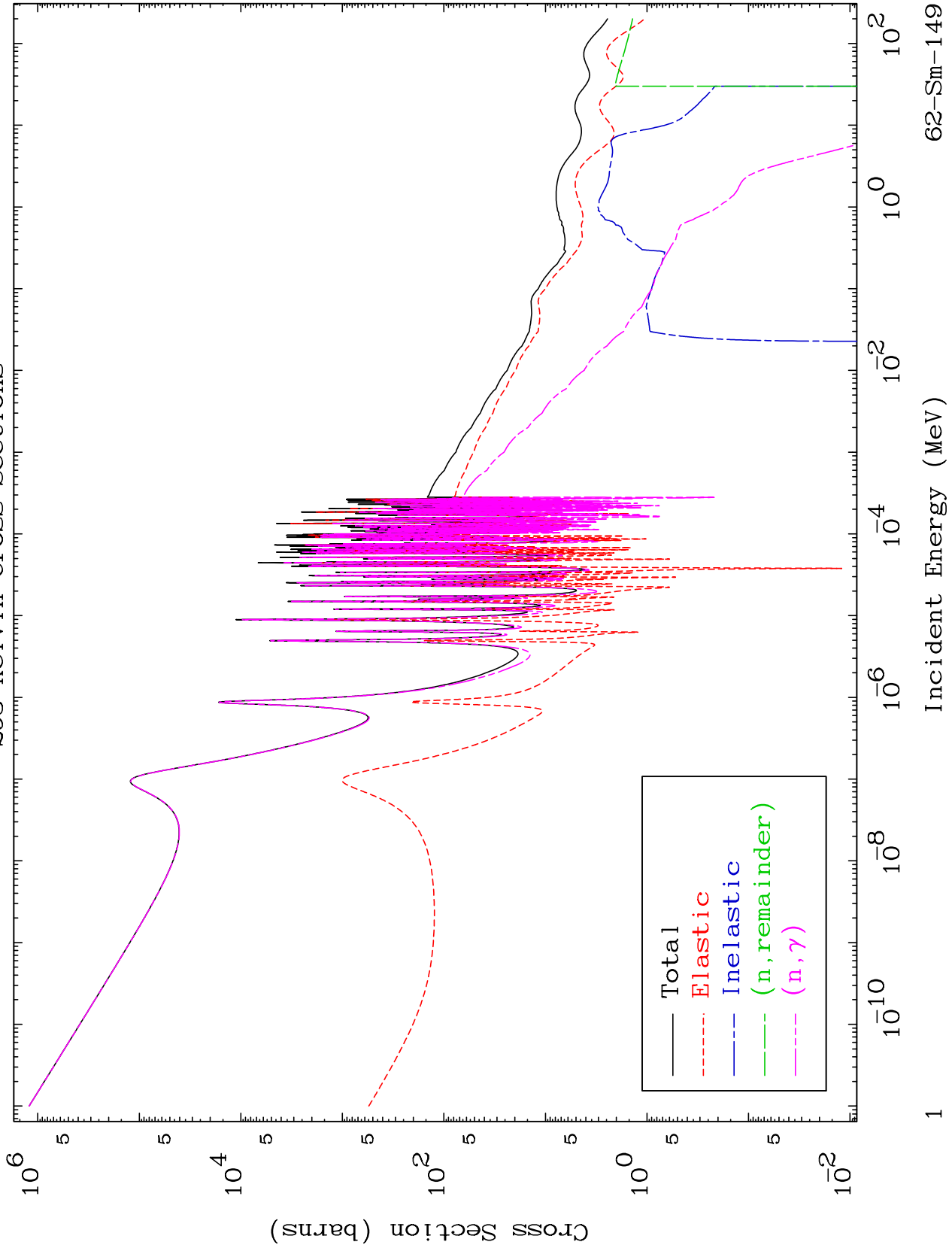
Press Mouse Button to Start

MAT 6240

Major

293 Kelvin Cross Sections

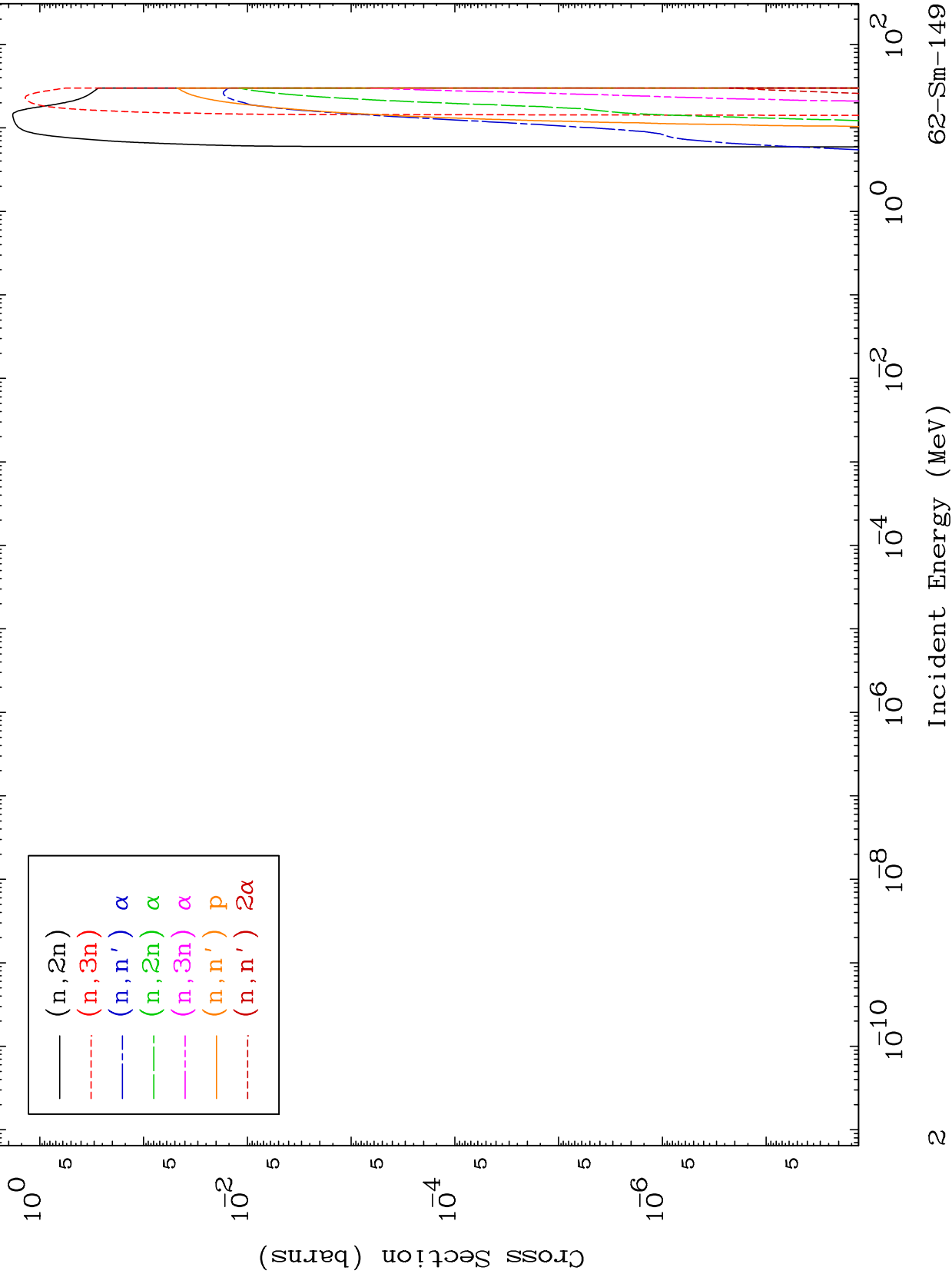
62-Sm-149



MAT 6240

Neutron Production
293 Kelvin Cross Sections

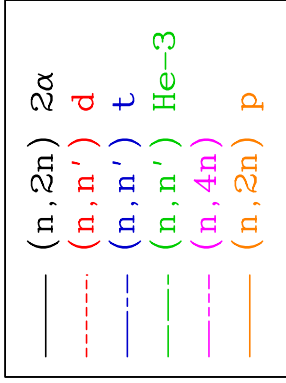
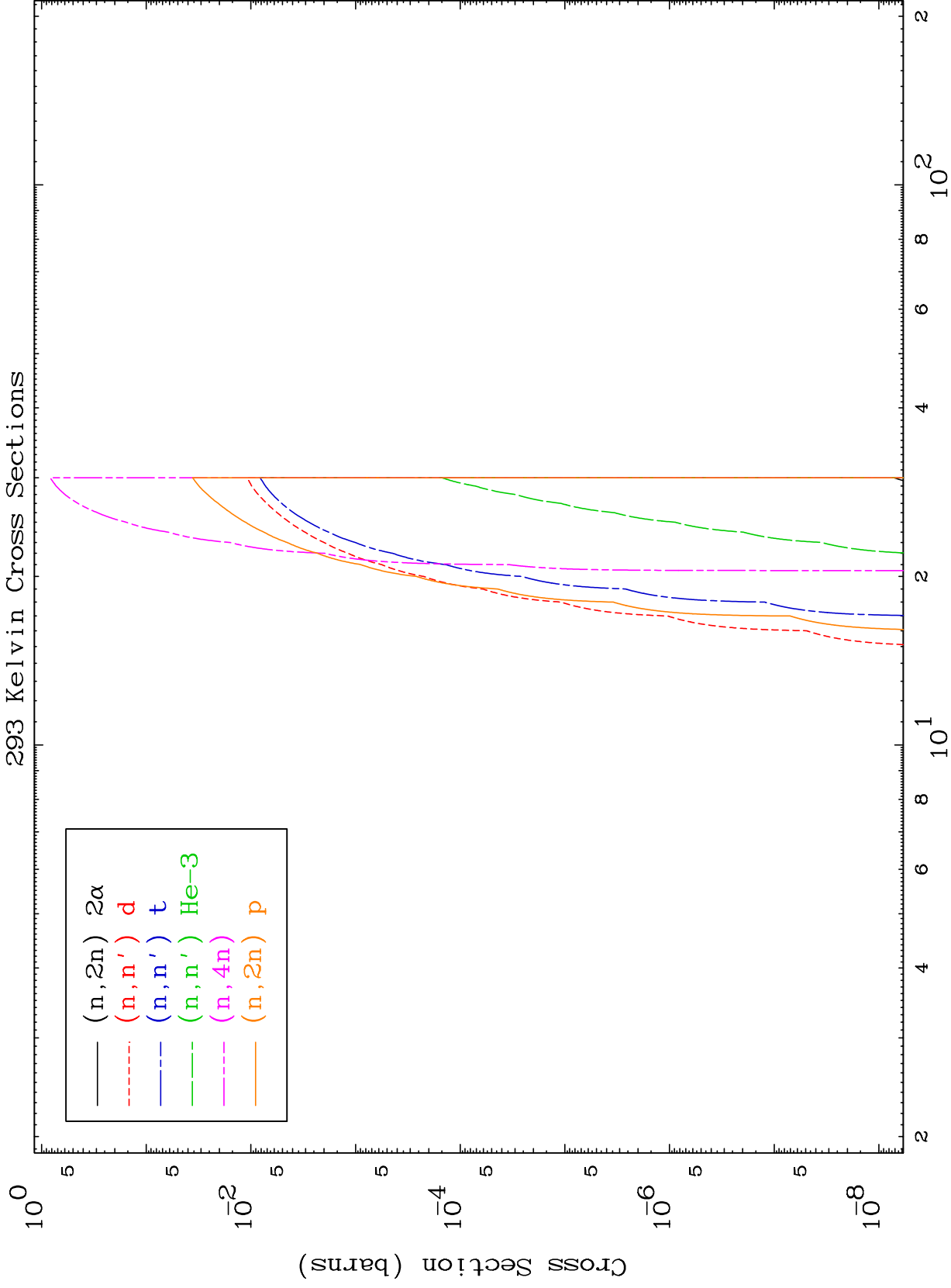
62-Sm-149



MAT 6240

Neutron Production
293 Kelvin Cross Sections

62-Sm-149



3

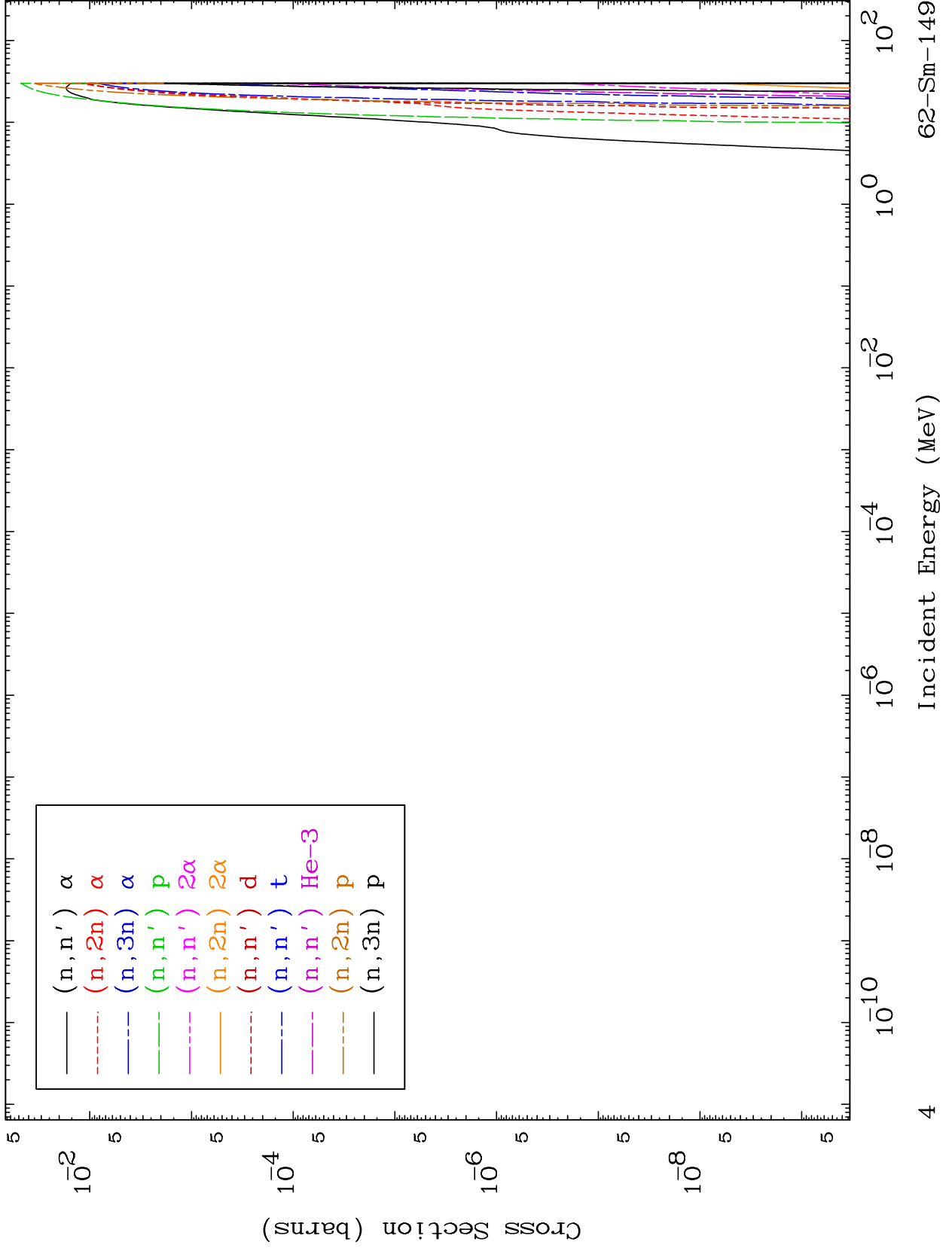
Incident Energy (MeV)

62-Sm-149

MAT 6240

Charged Particle
293 Kelvin Cross Sections

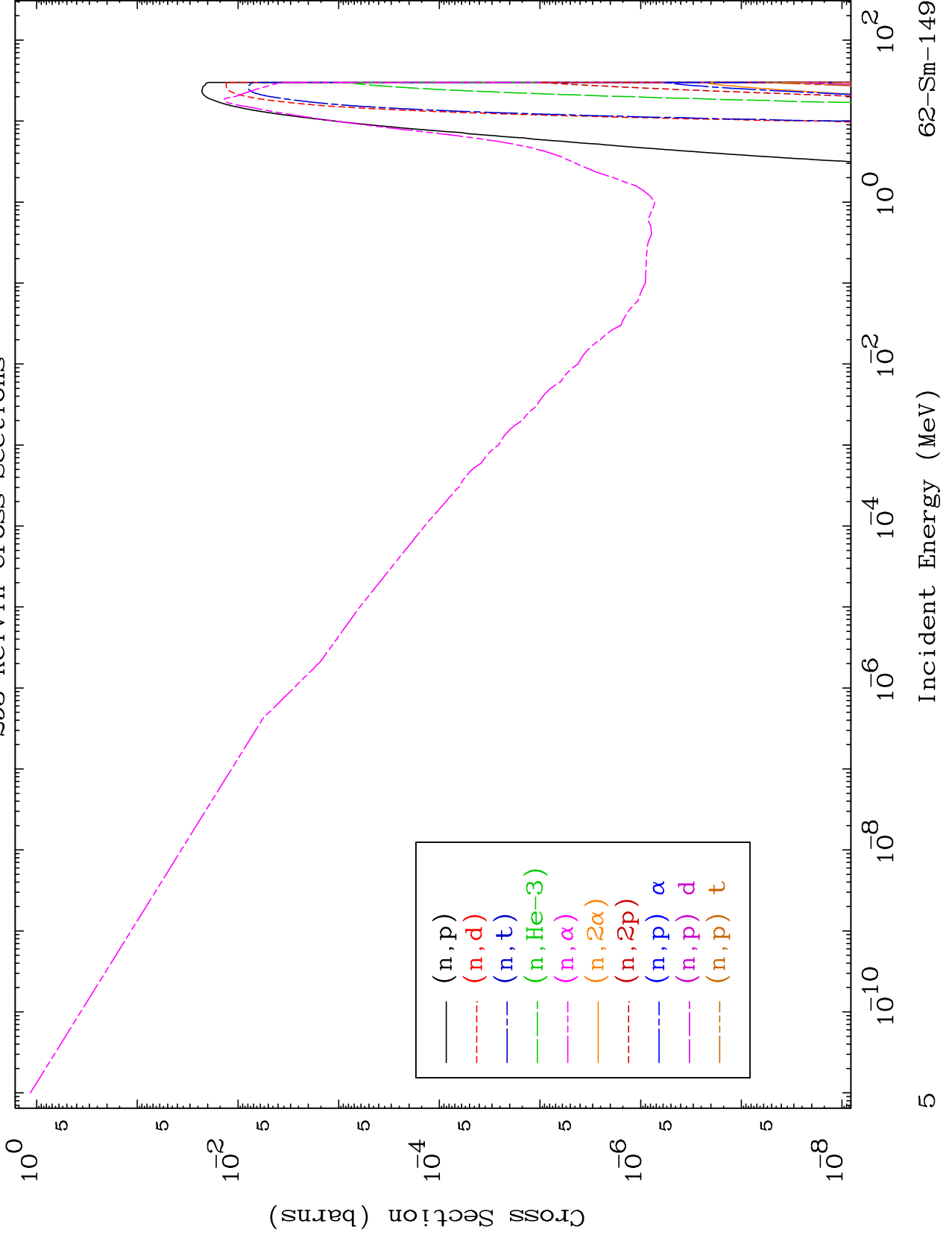
62-Sm-149



MAT 6240

Charged Particle
293 Kelvin Cross Sections

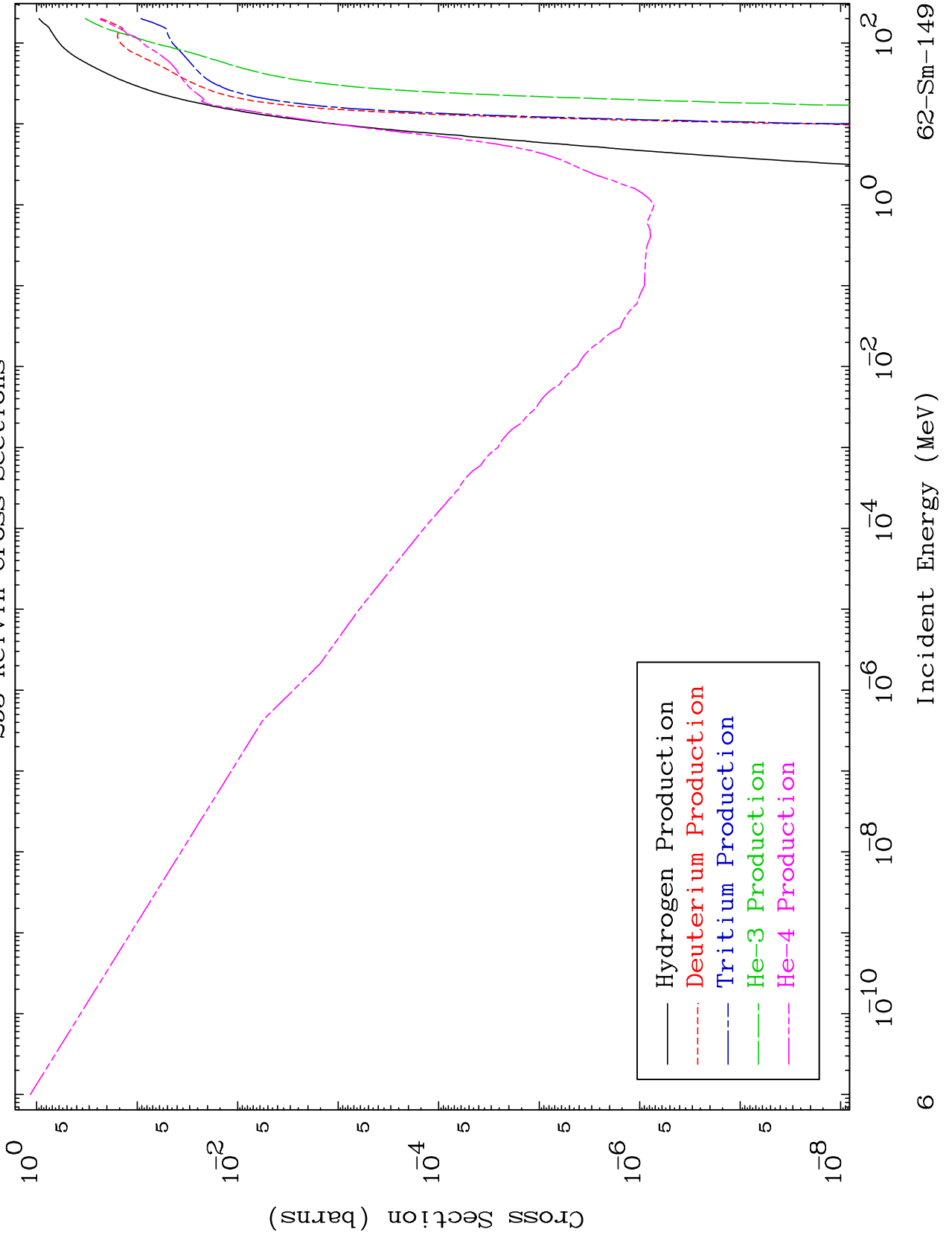
62-Sm-149



MAT 6240

Particle Production
293 Kelvin Cross Sections

62-Sm-149

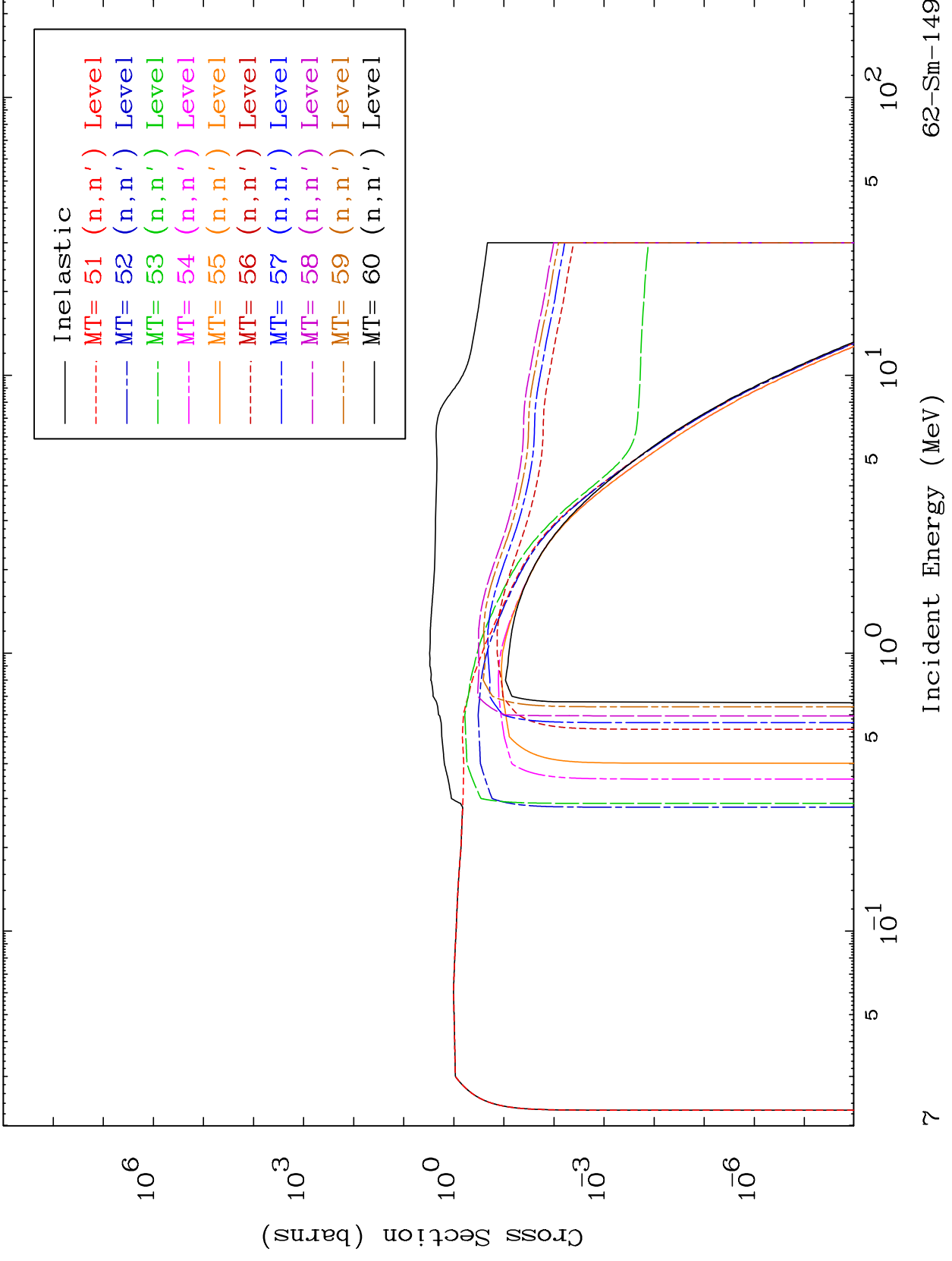


MAT 6240

(n,n') Level

62-Sm-149

293 Kelvin Cross Sections

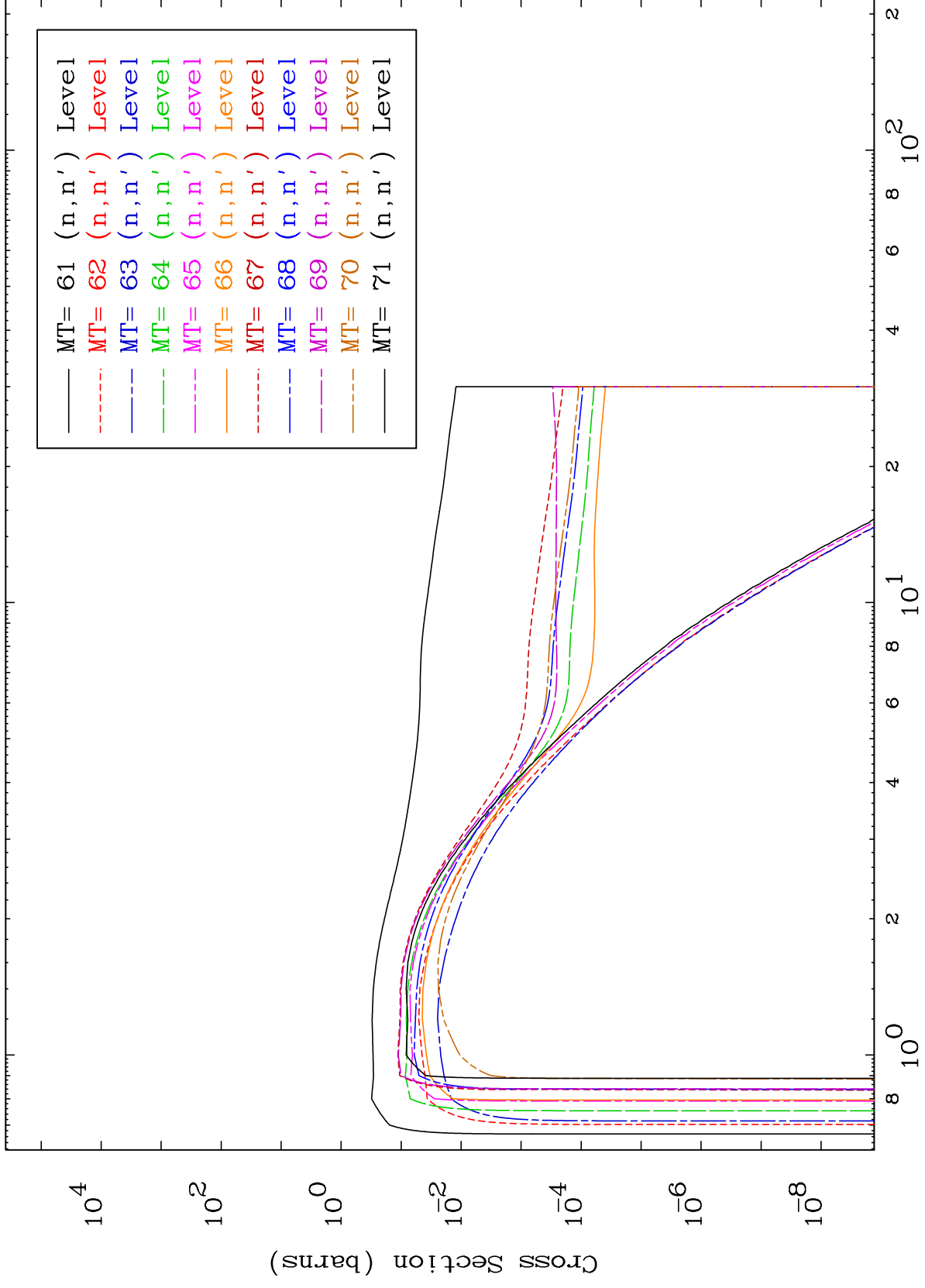


MAT 6240

(n,n') Level

62-Sm-149

293 Kelvin Cross Sections



8

Incident Energy (MeV)

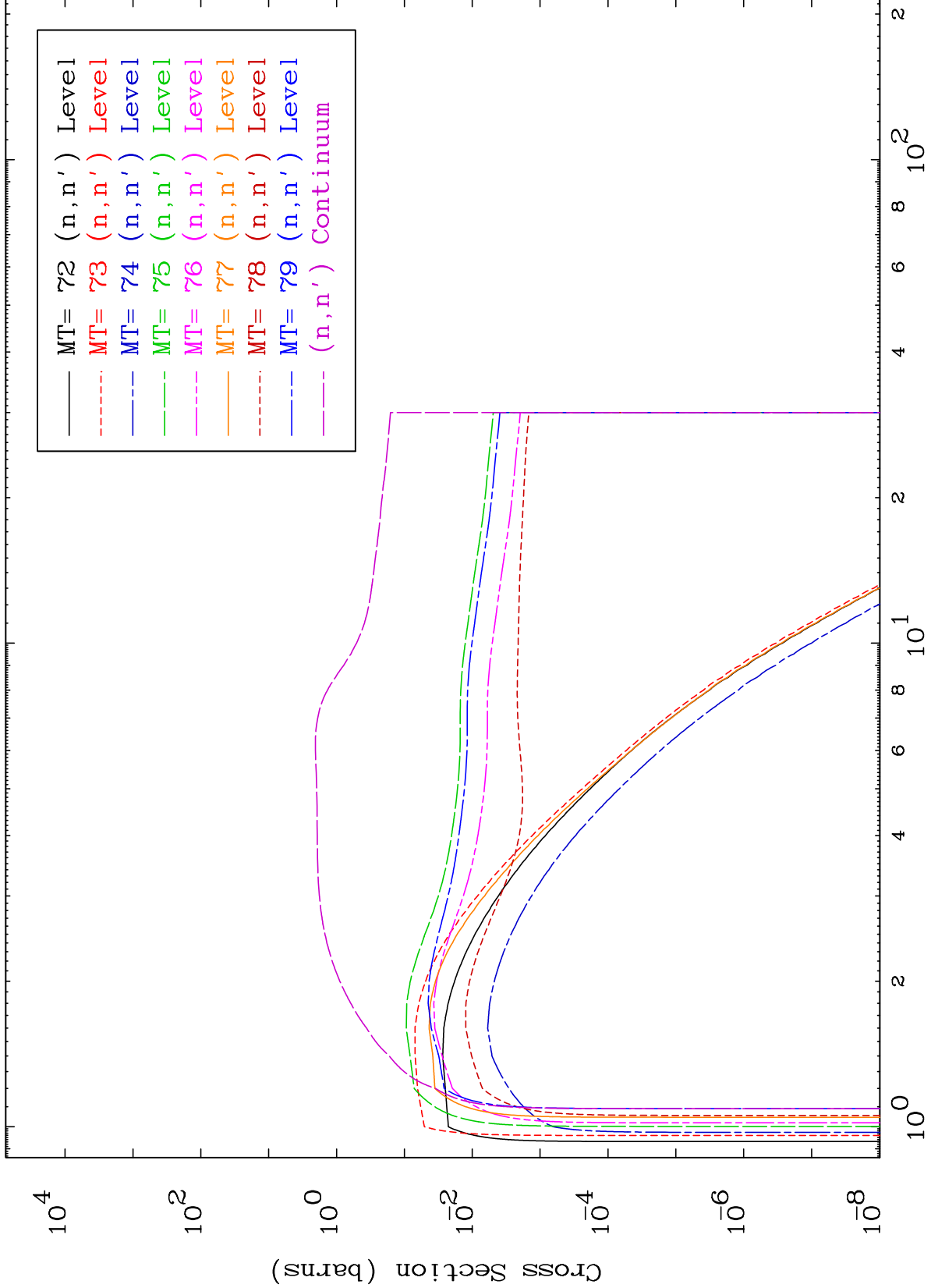
62-Sm-149

MAT 6240

(n,n') Level

62-Sm-149

293 Kelvin Cross Sections



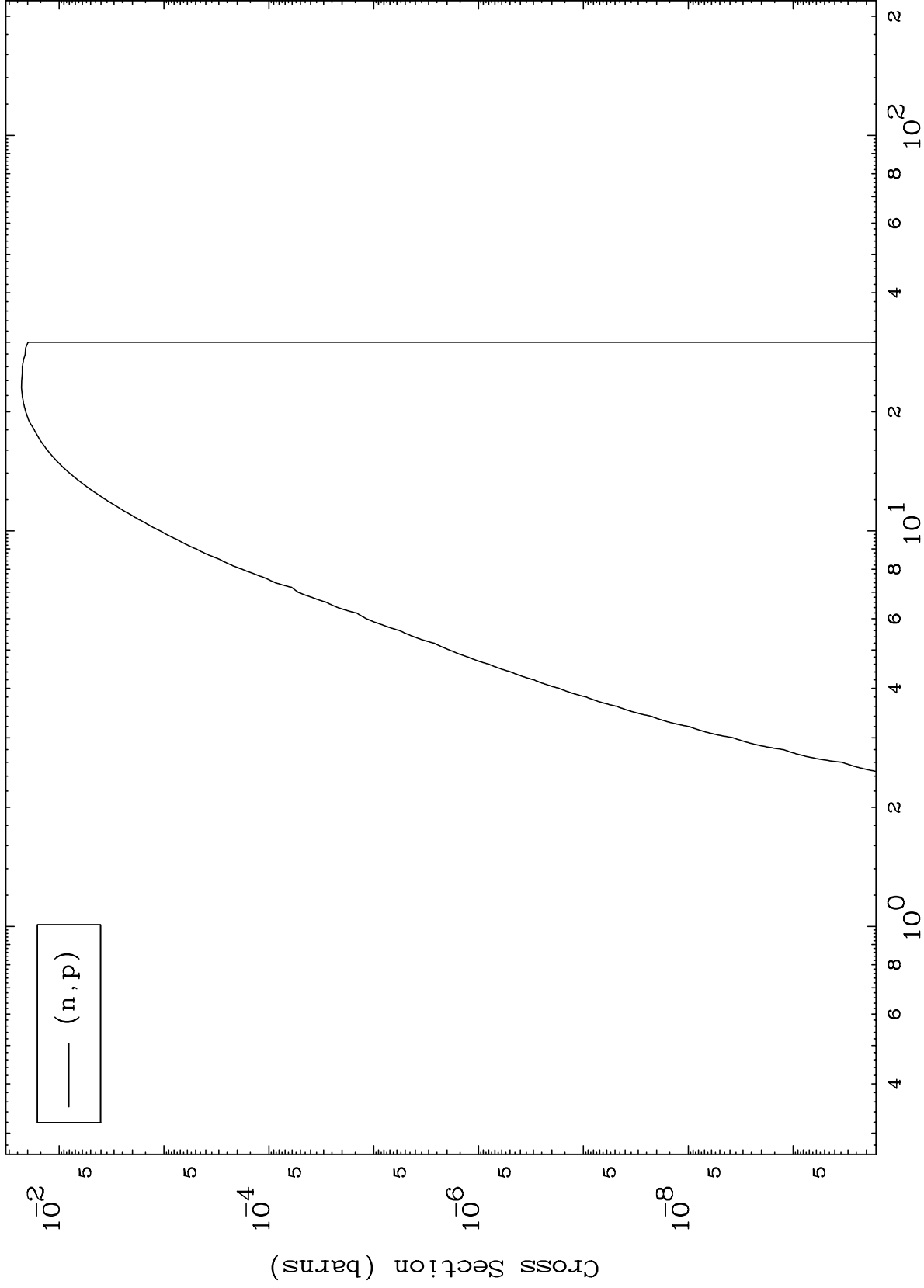
Incident Energy (MeV)

62-Sm-149

MAT 6240

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-149



10

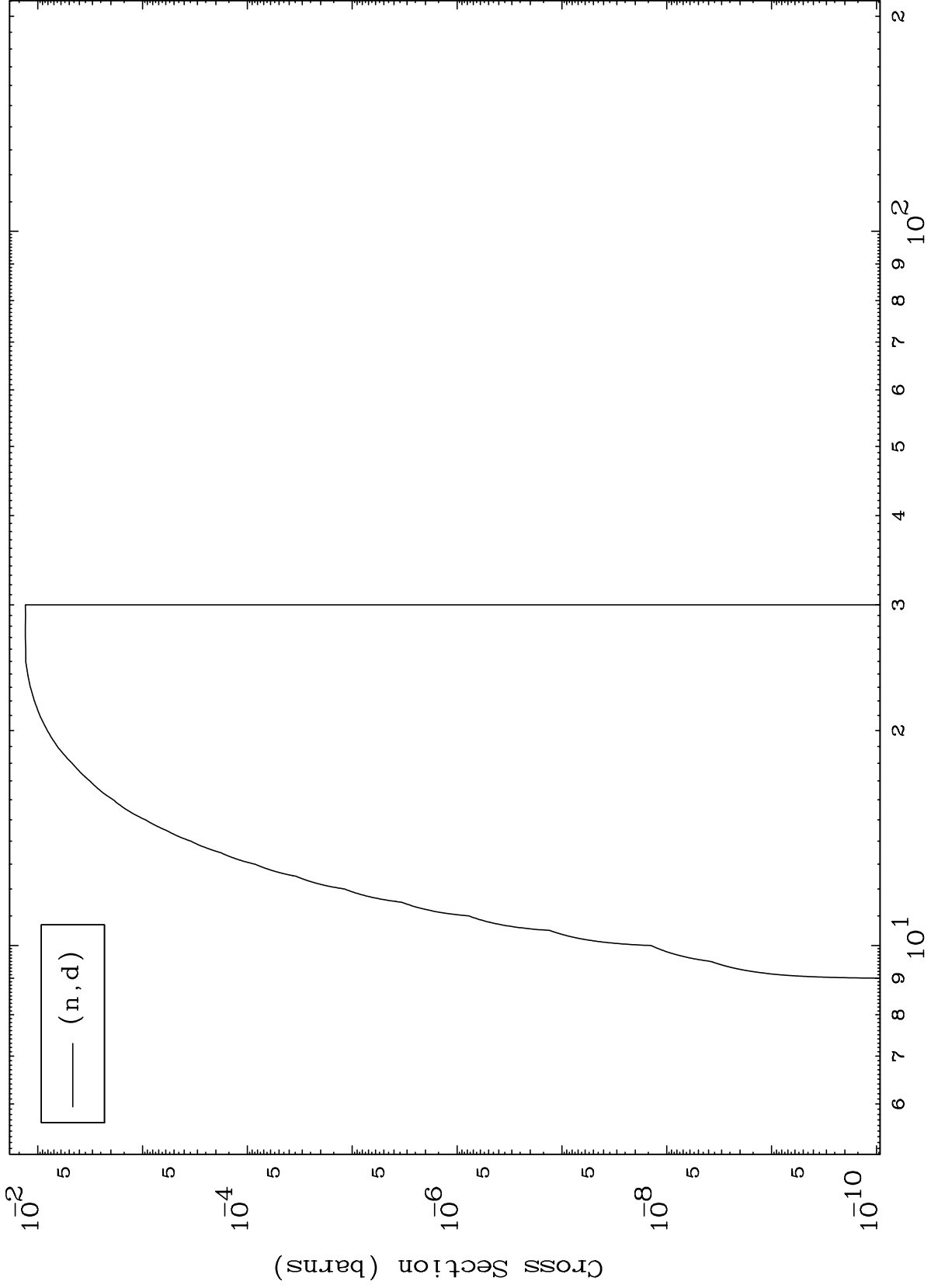
Incident Energy (MeV)

62-Sm-149

MAT 6240

(n,d) Levels
293 Kelvin Cross Sections

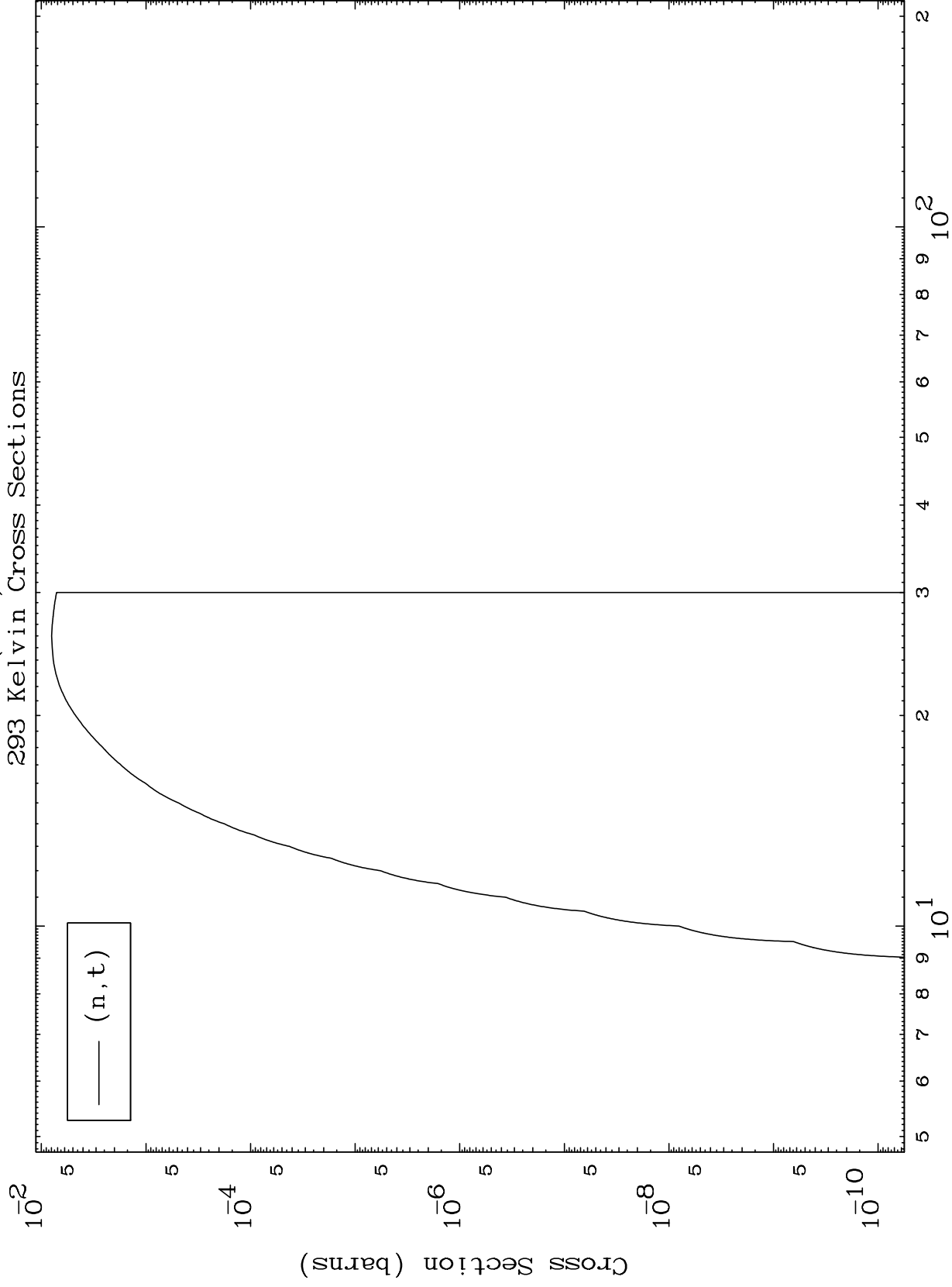
62-Sm-149



MAT 6240

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-149



12

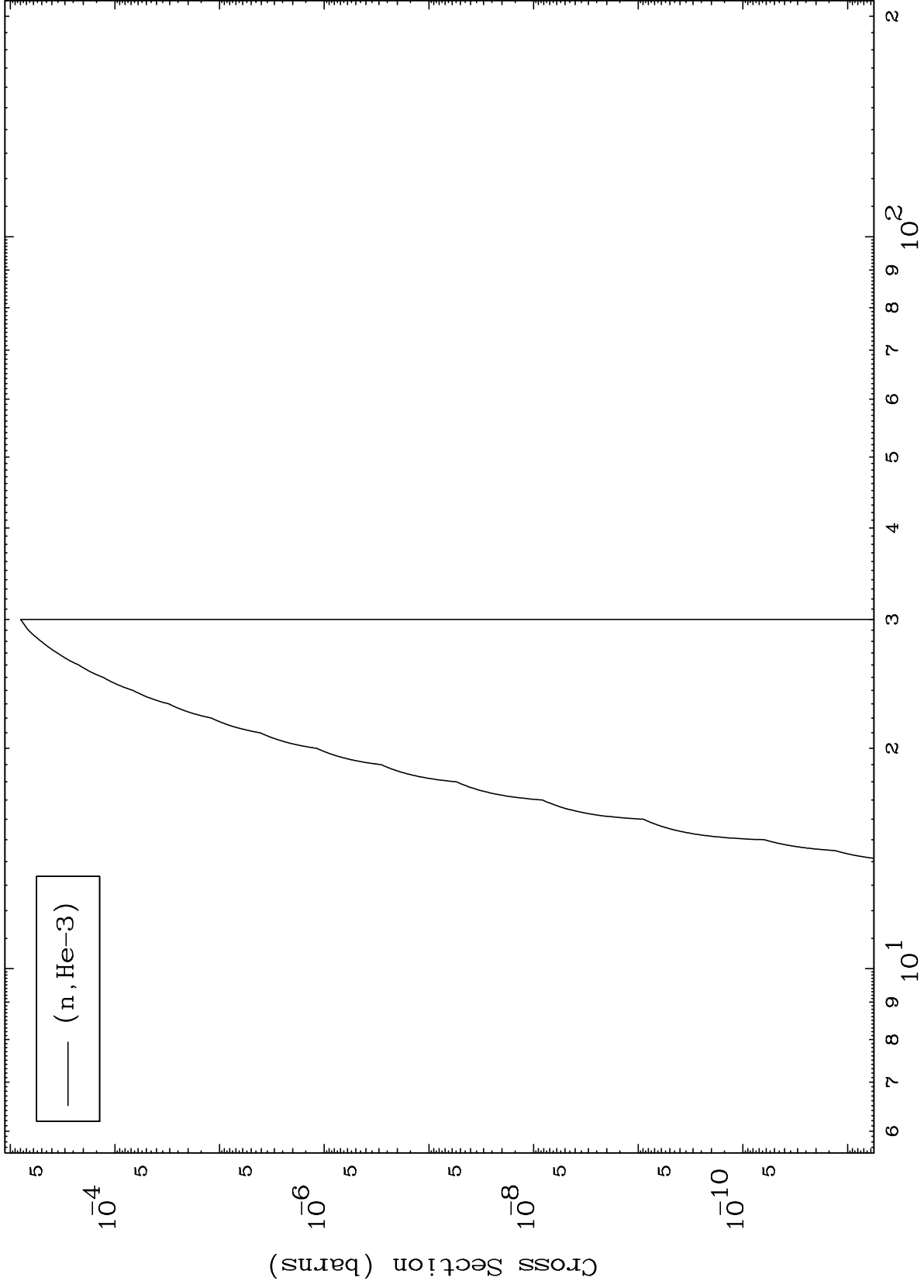
Incident Energy (MeV)

62-Sm-149

MAT 6240

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-149



13

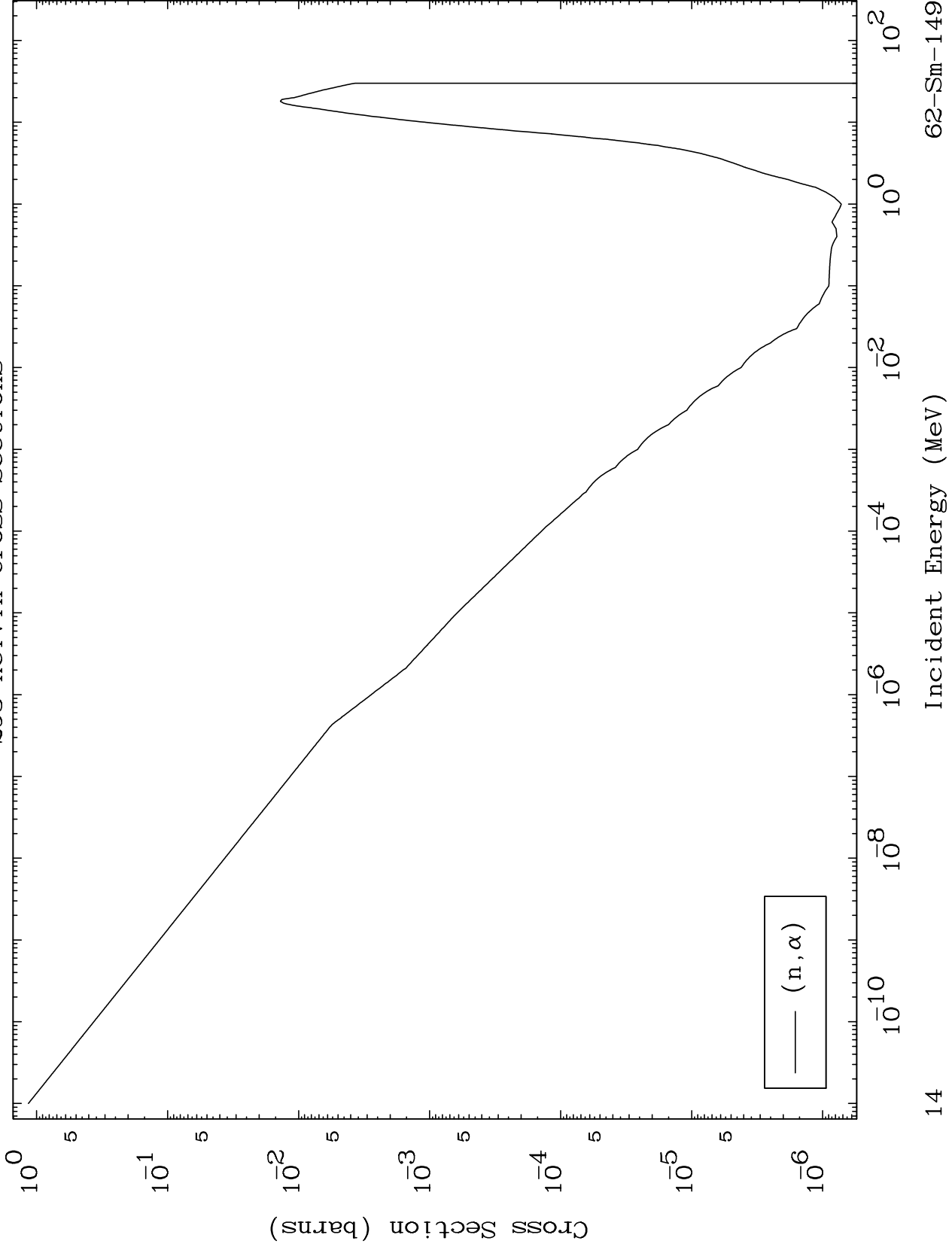
Incident Energy (MeV)

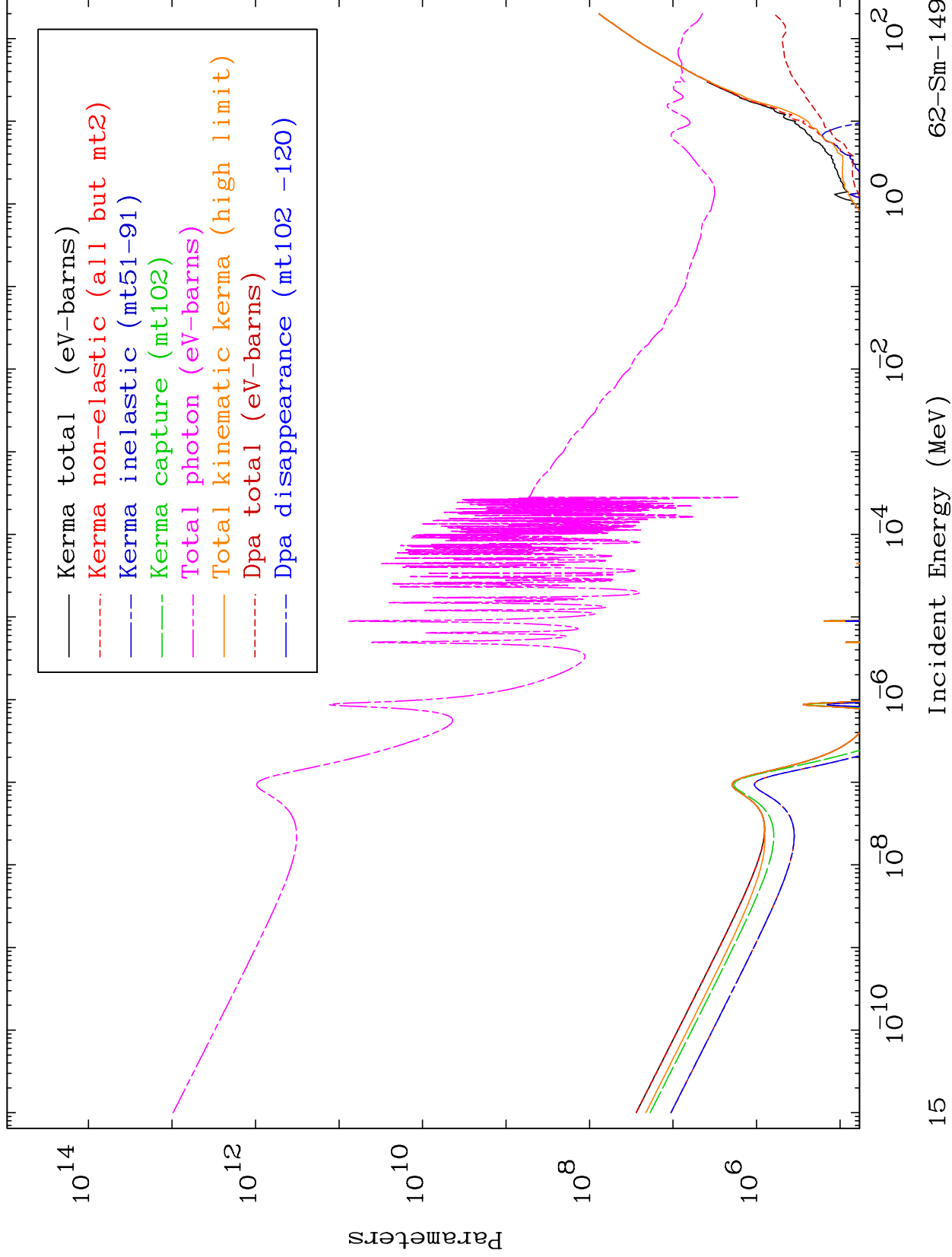
62-Sm-149

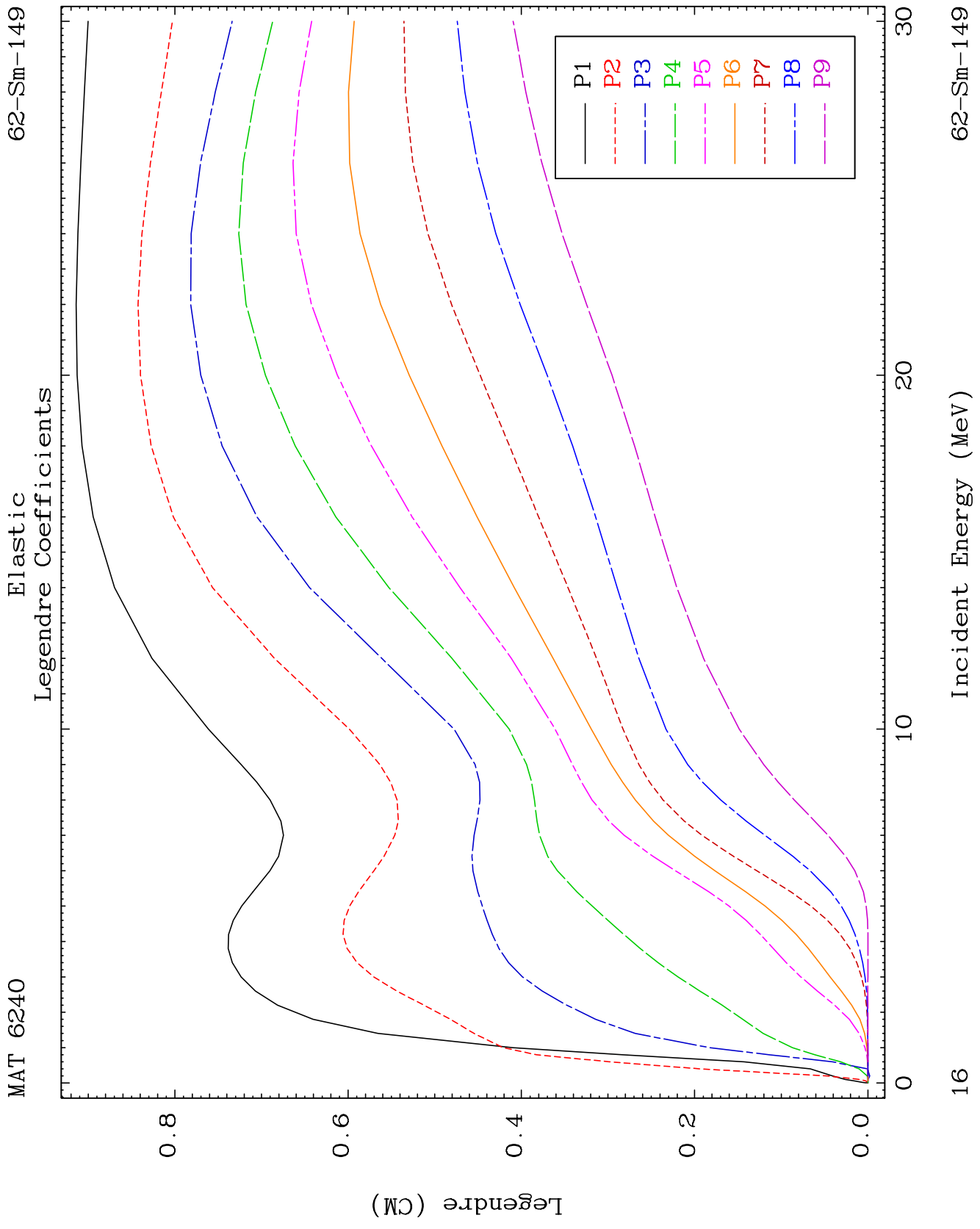
MAT 6240

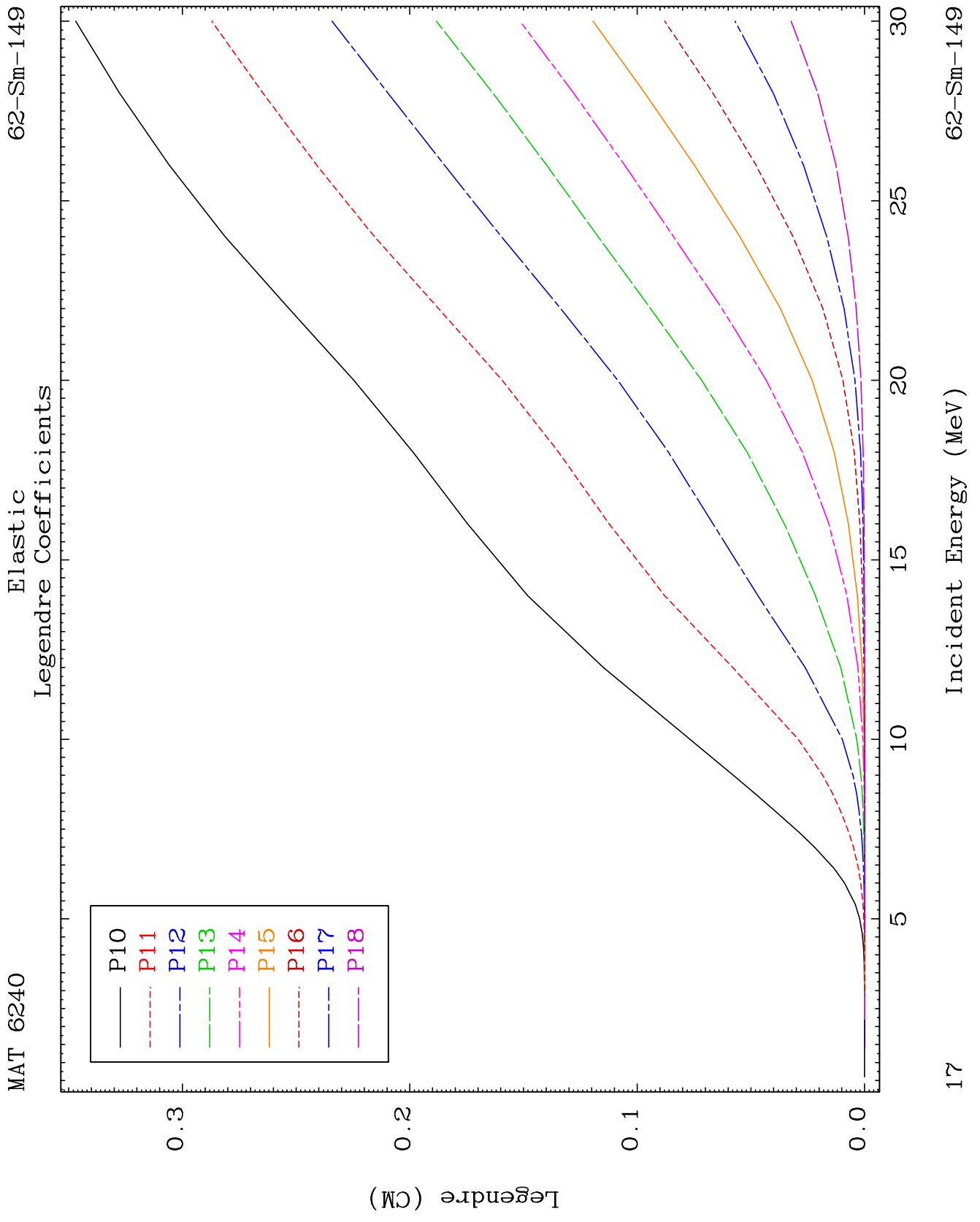
(n,α) Levels
293 Kelvin Cross Sections

62-Sm-149





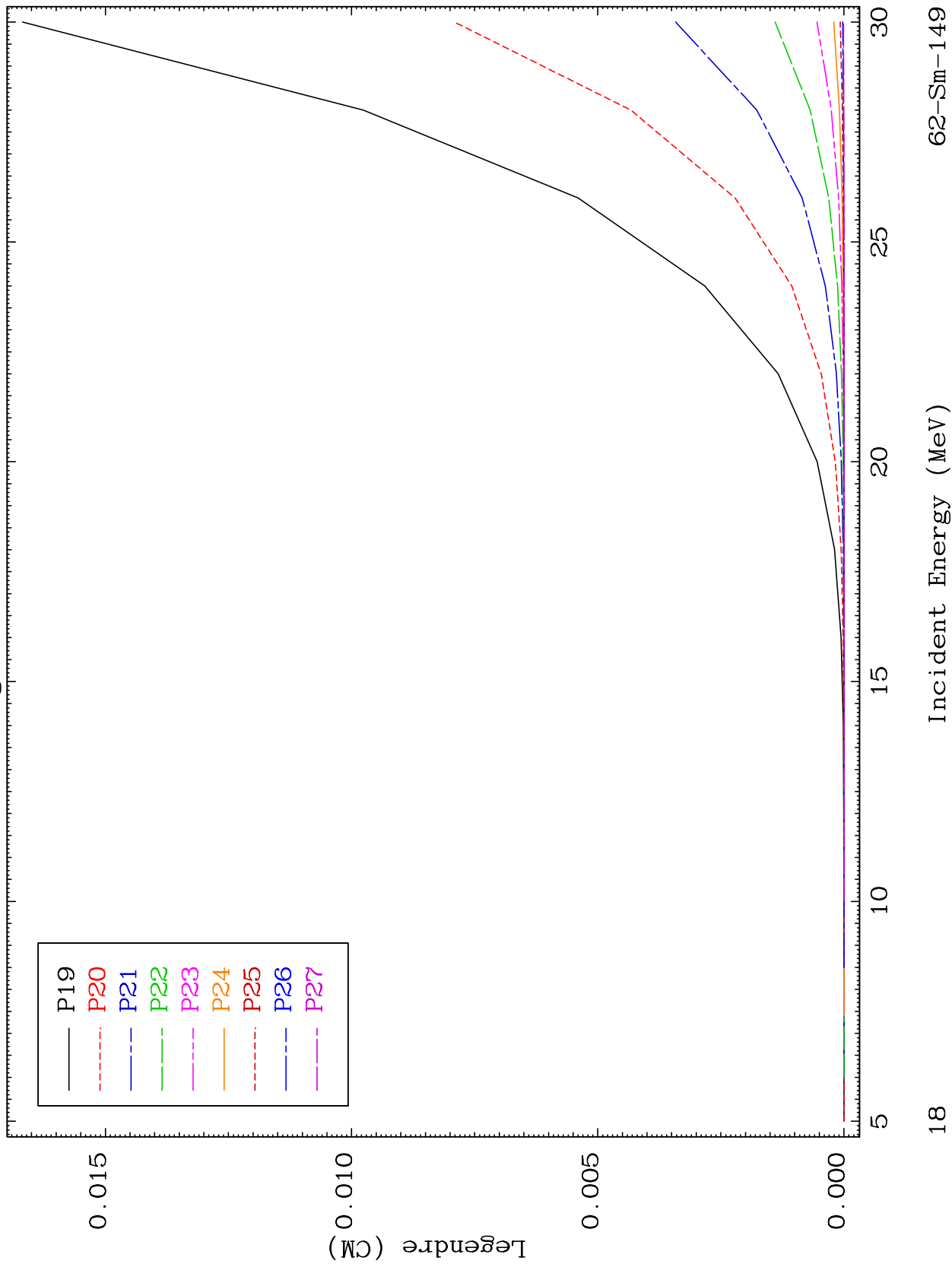




MAT 6240

Elastic Legendre Coefficients

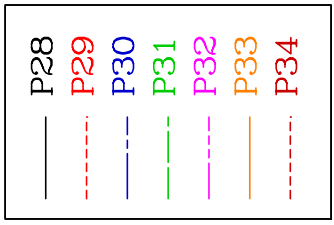
62-Sm-149



MAT 6240

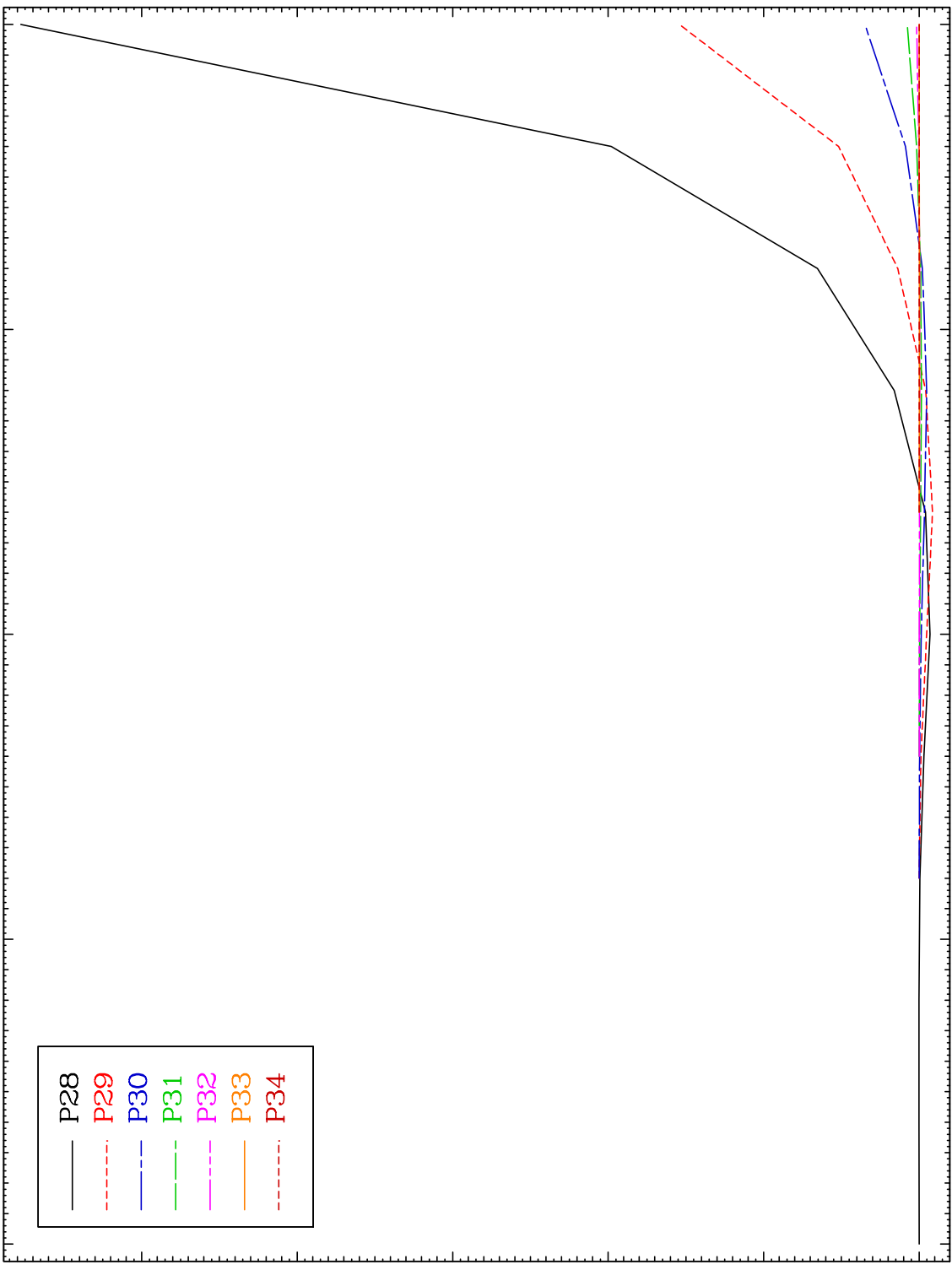
Elastic Legendre Coefficients

62-Sm-149



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

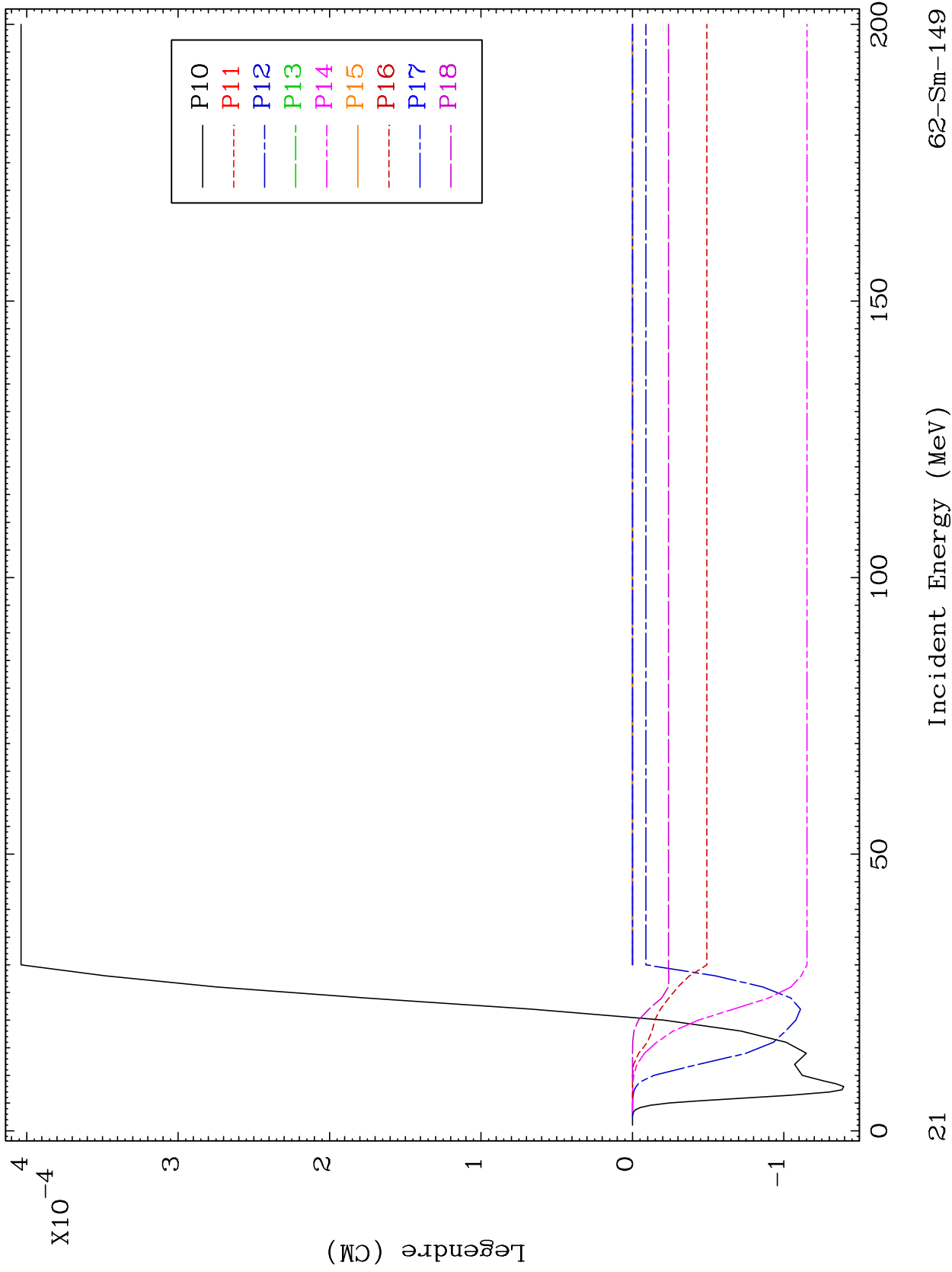
62-Sm-149

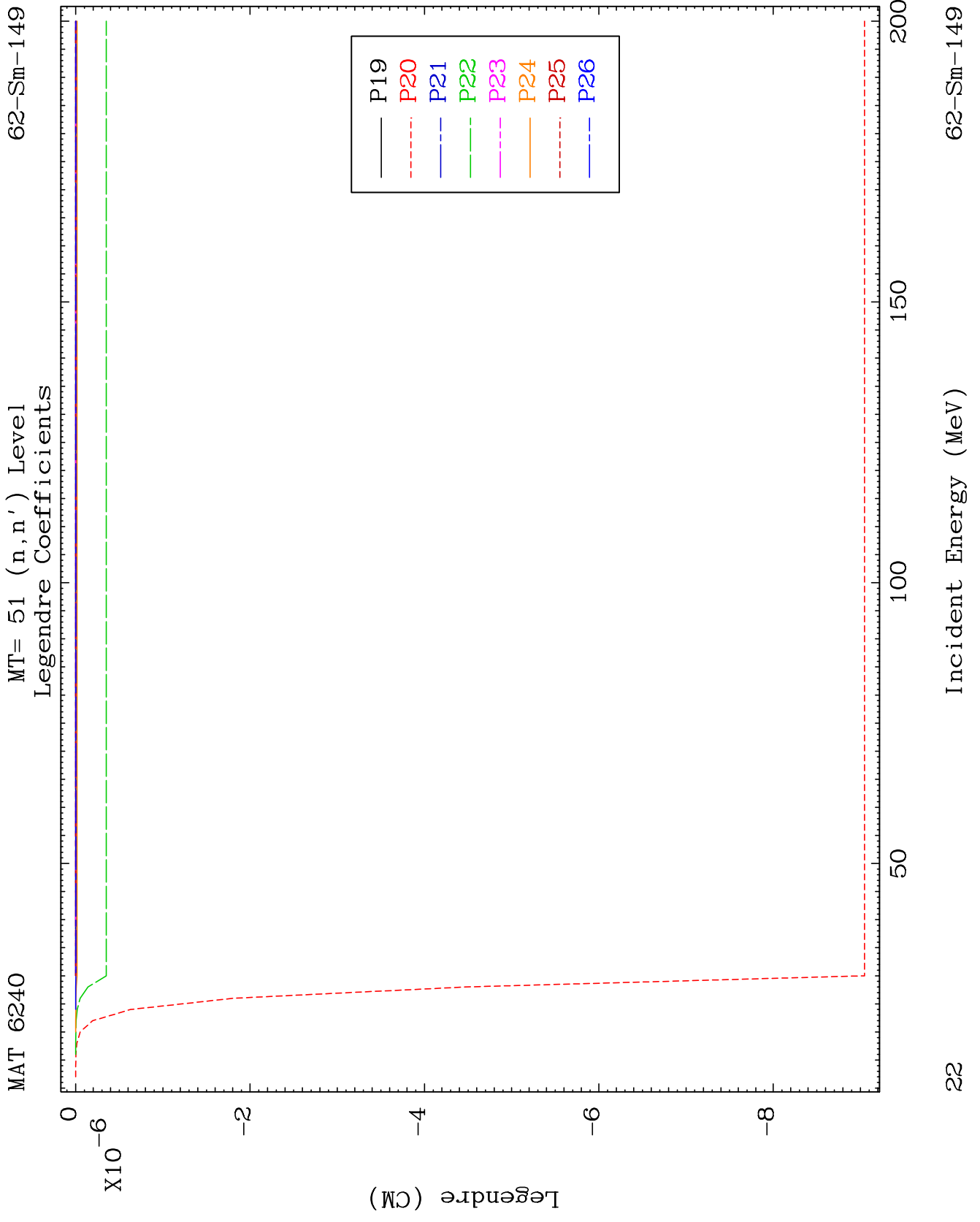
19

MAT 6240

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

62-Sm-149

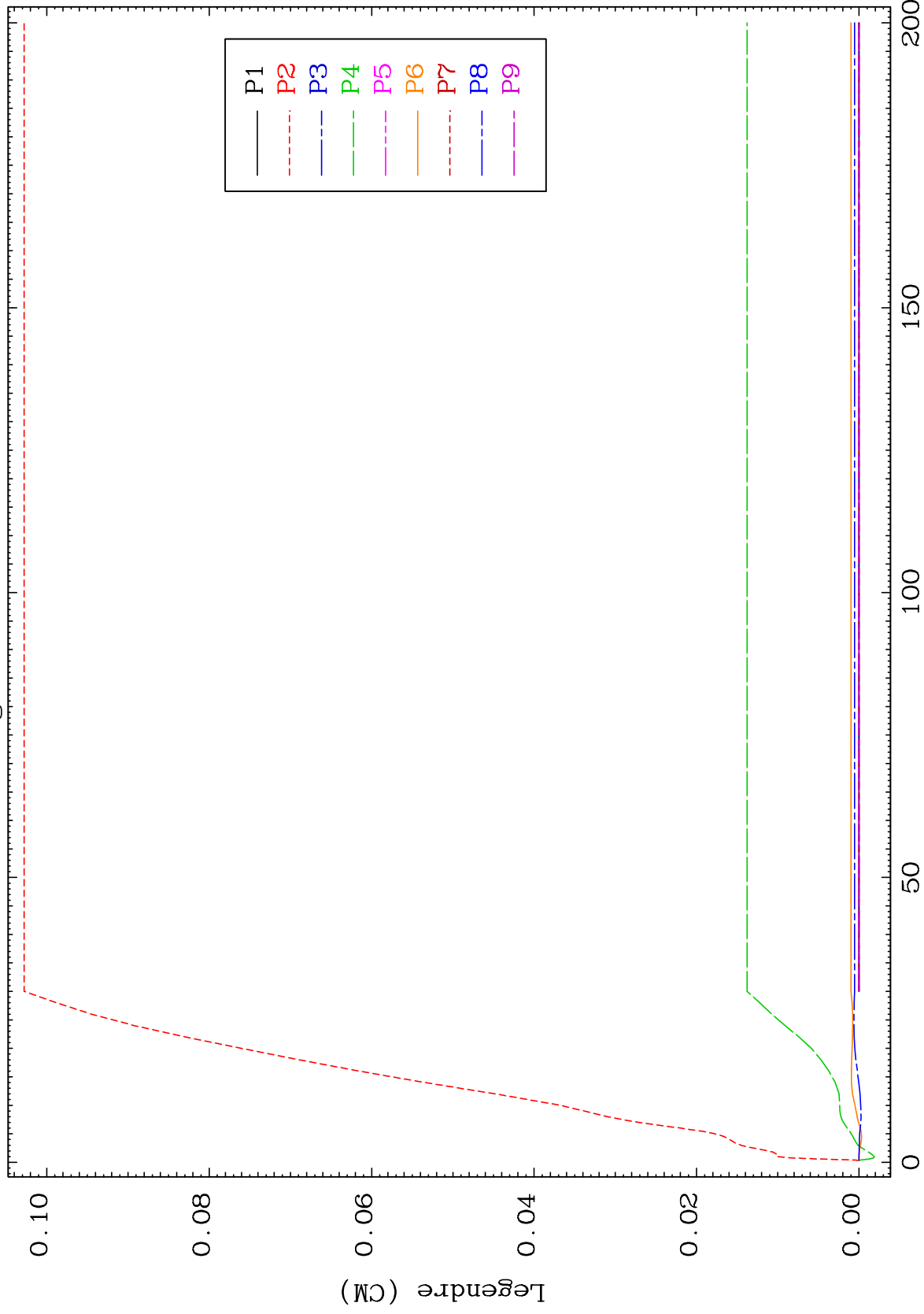




MAT 6240

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

62-Sm-149



23

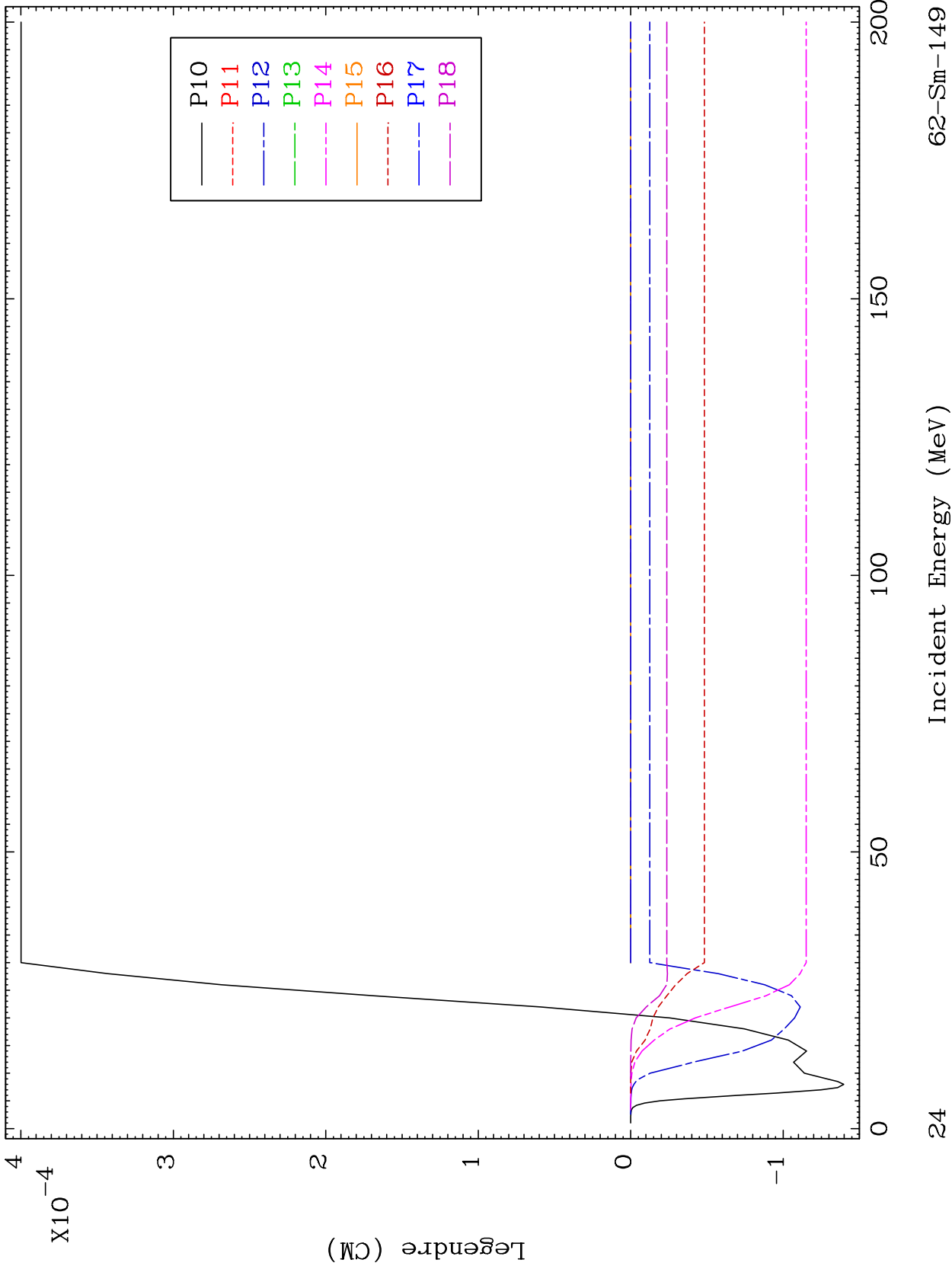
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



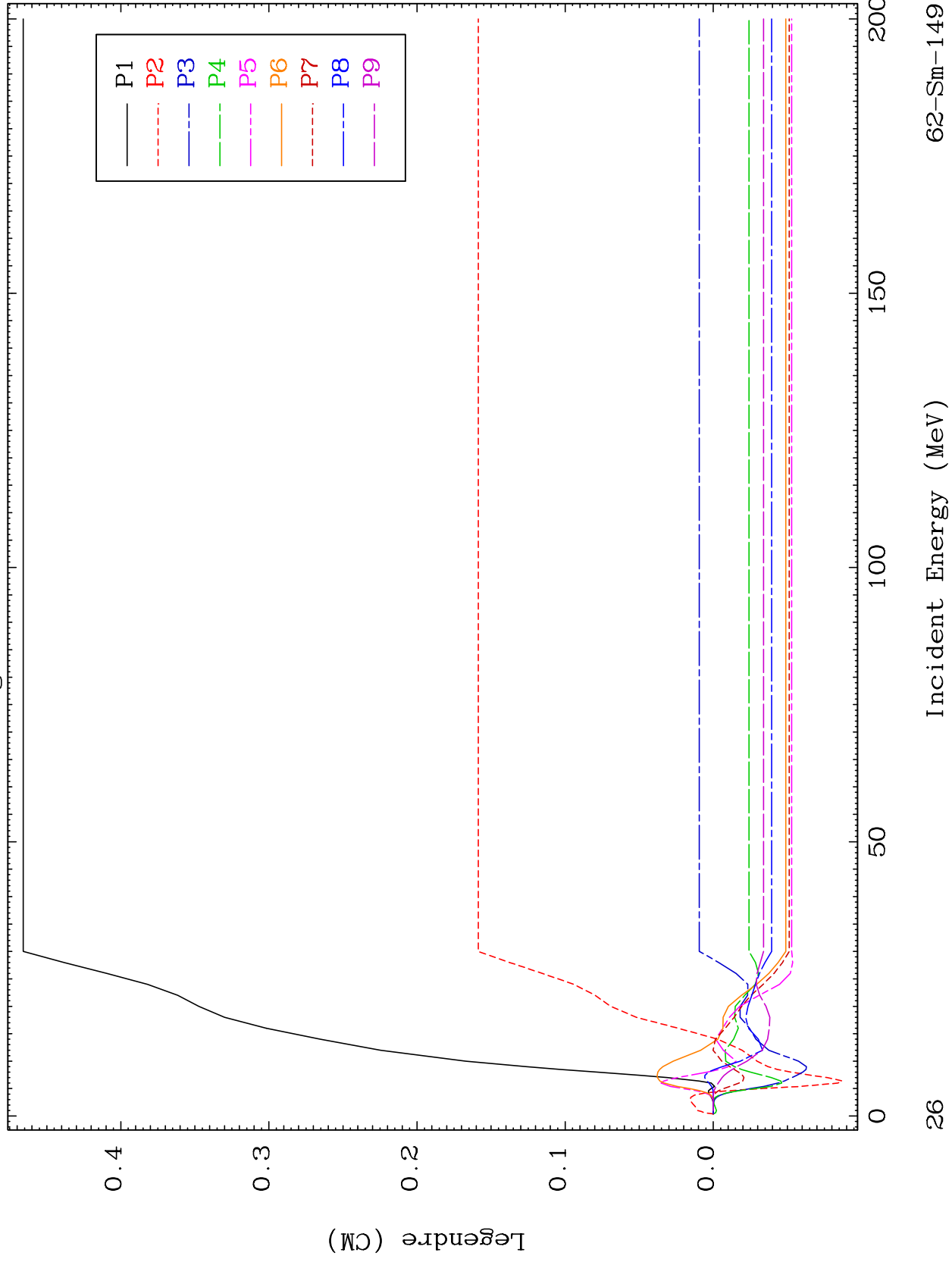
24

62-Sm-149

MAT 6240

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

62-Sm-149



26

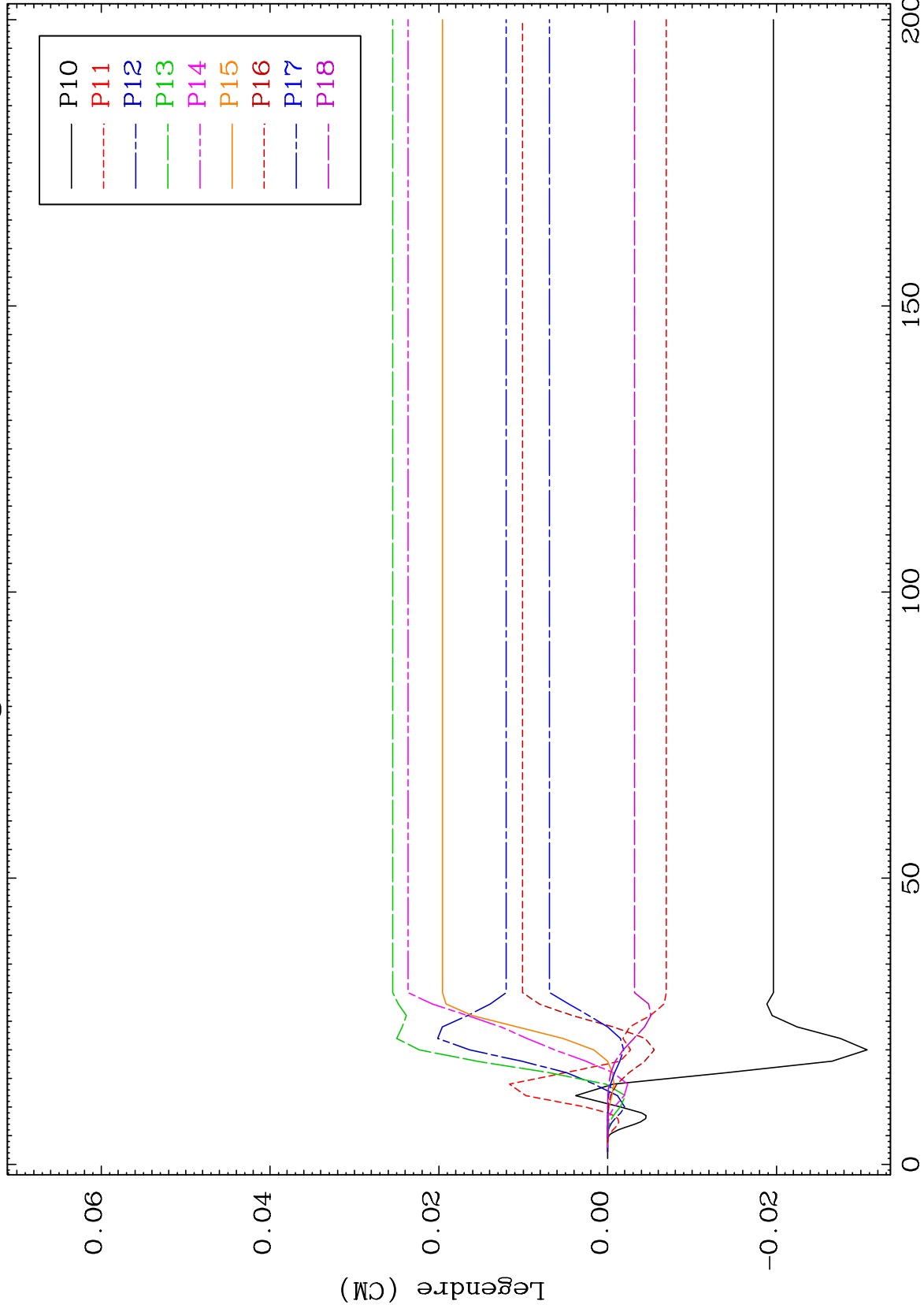
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



27

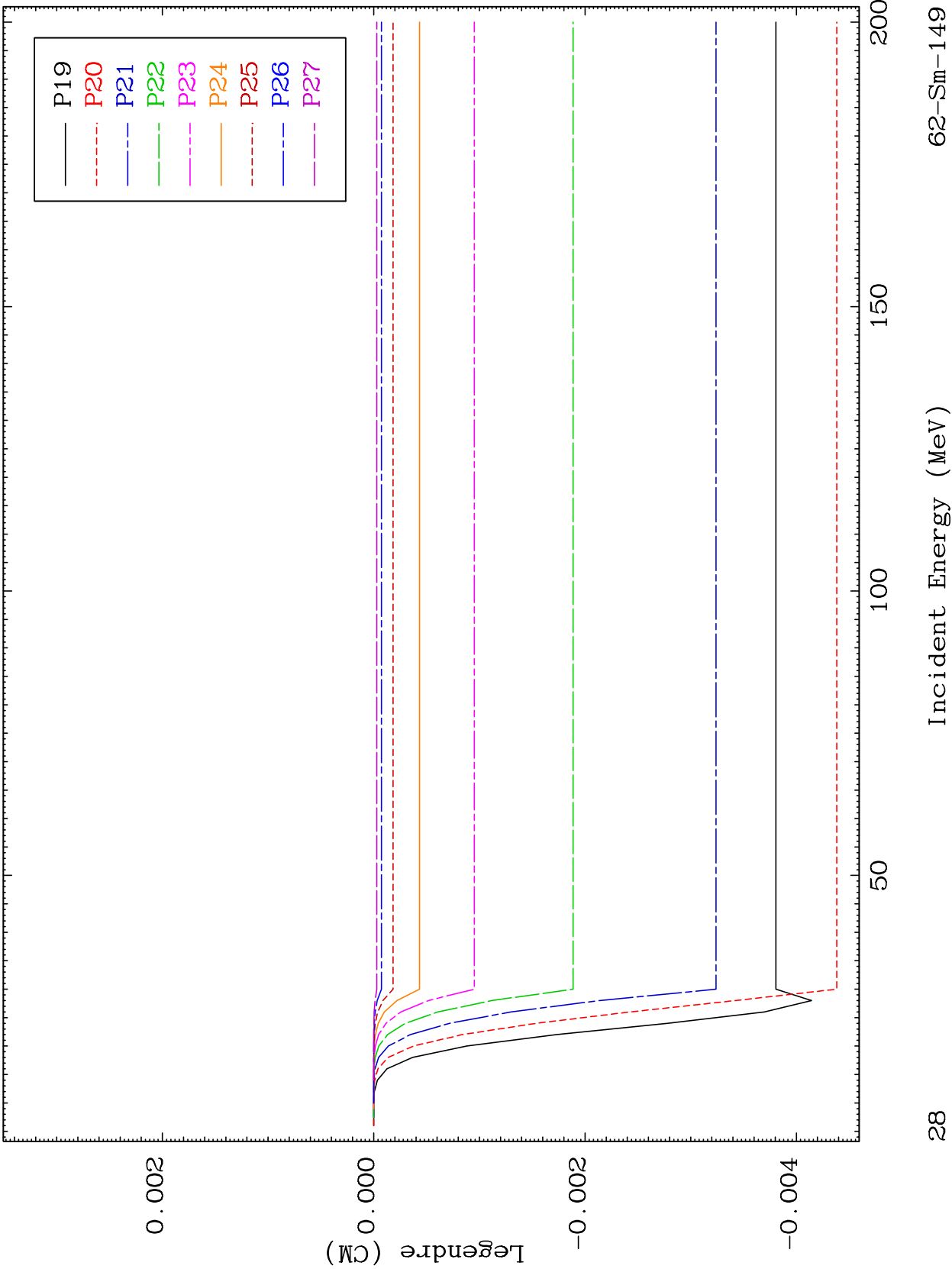
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

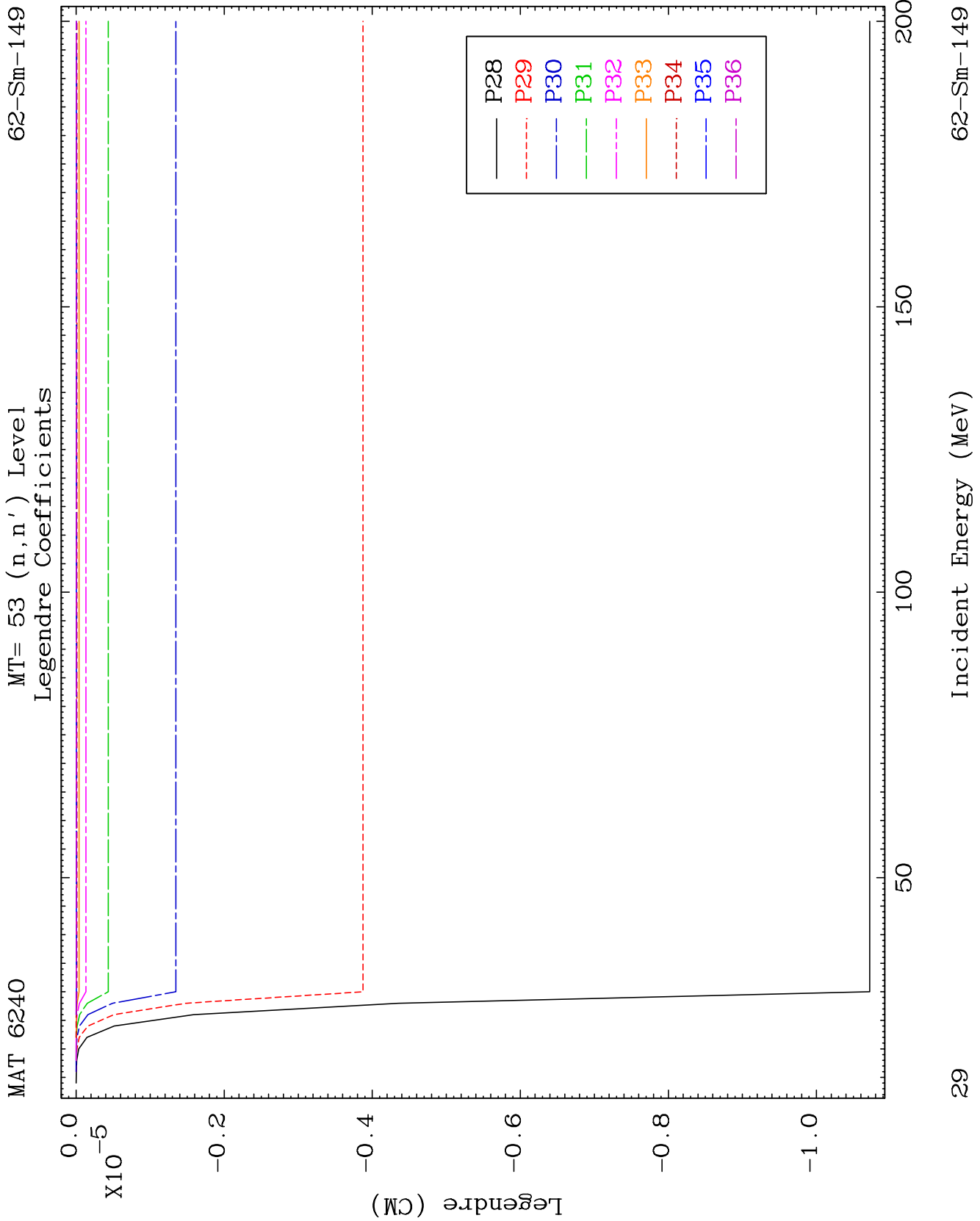
62-Sm-149

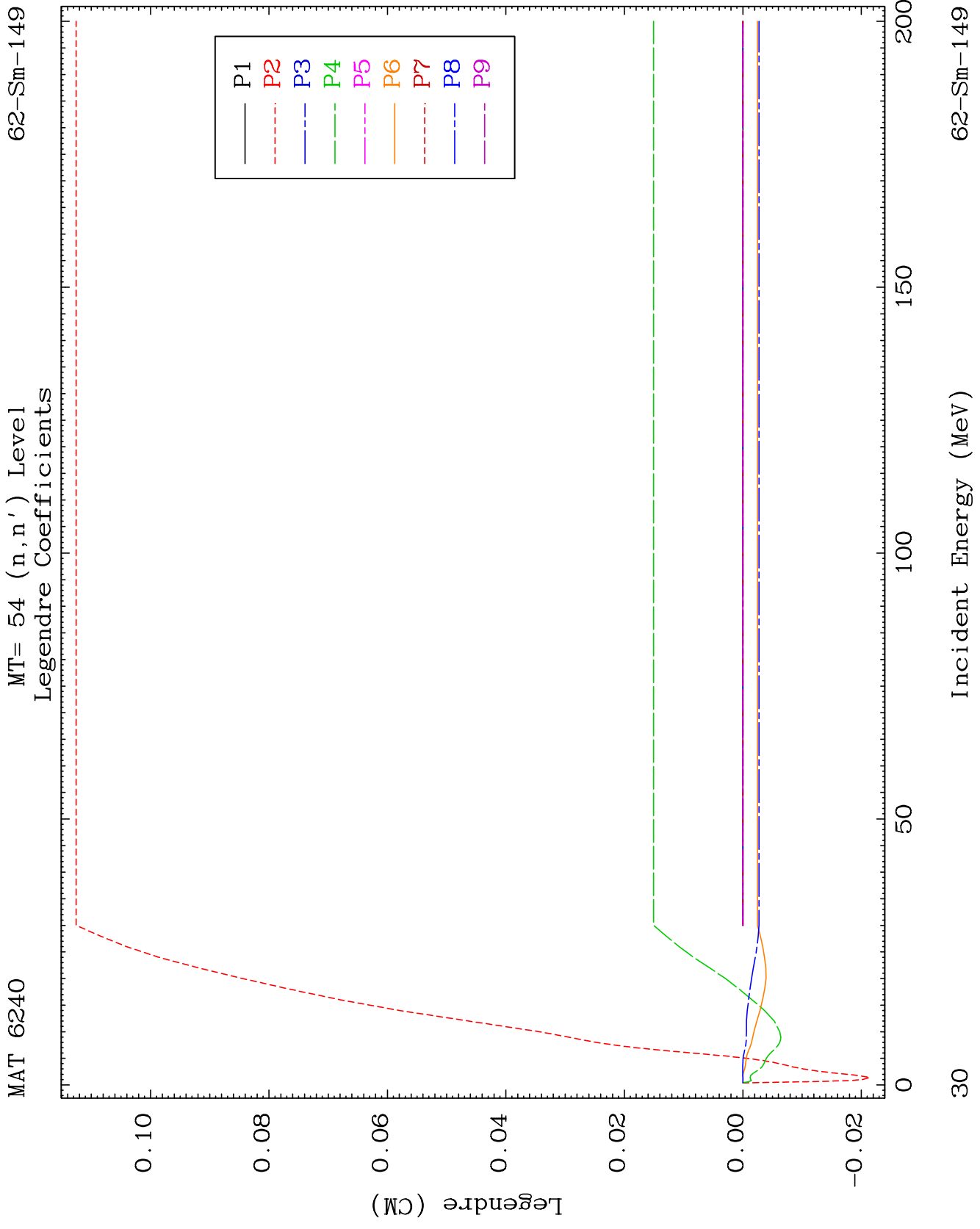


28

Incident Energy (MeV)

62-Sm-149

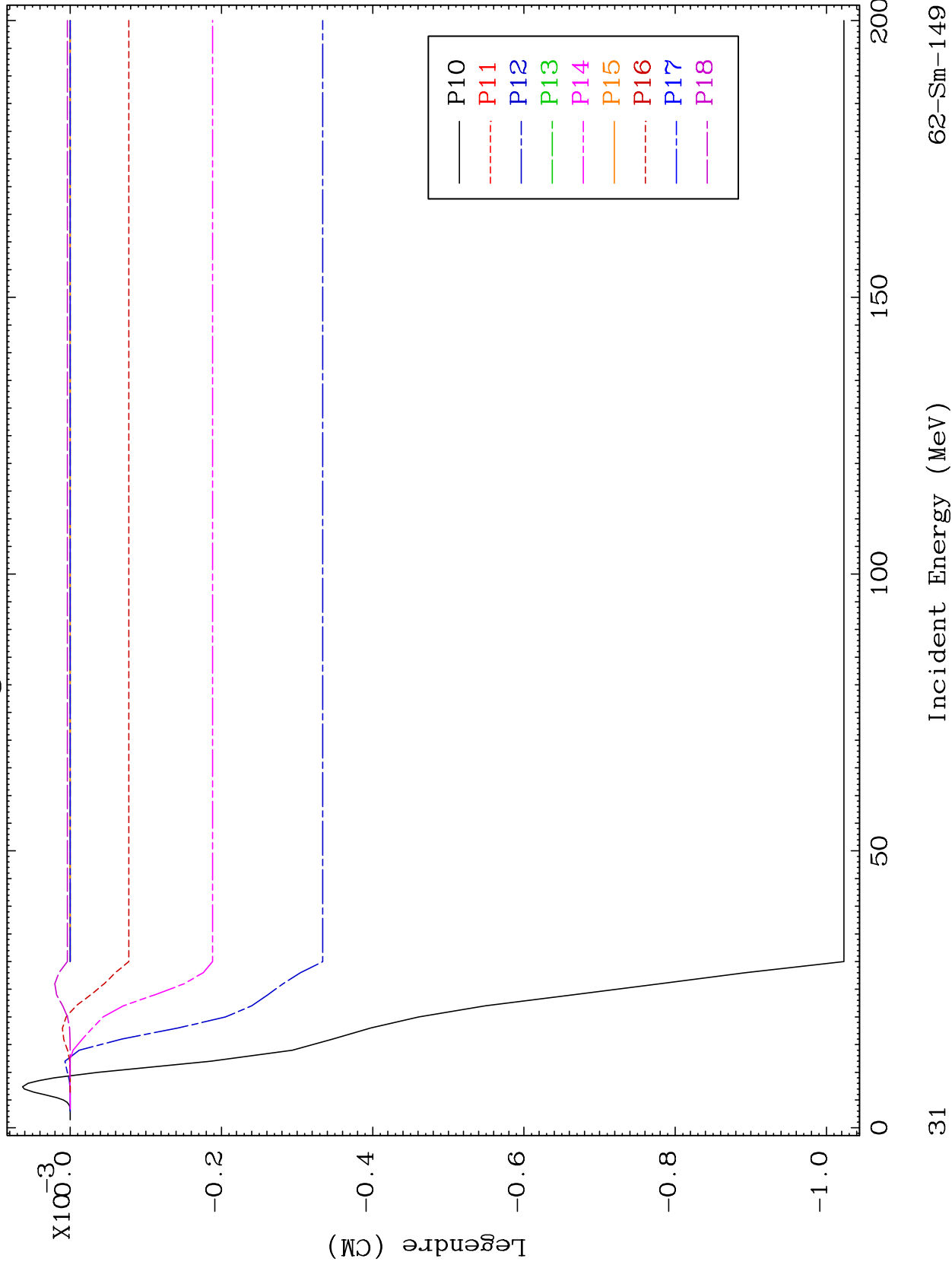




MAT 6240

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

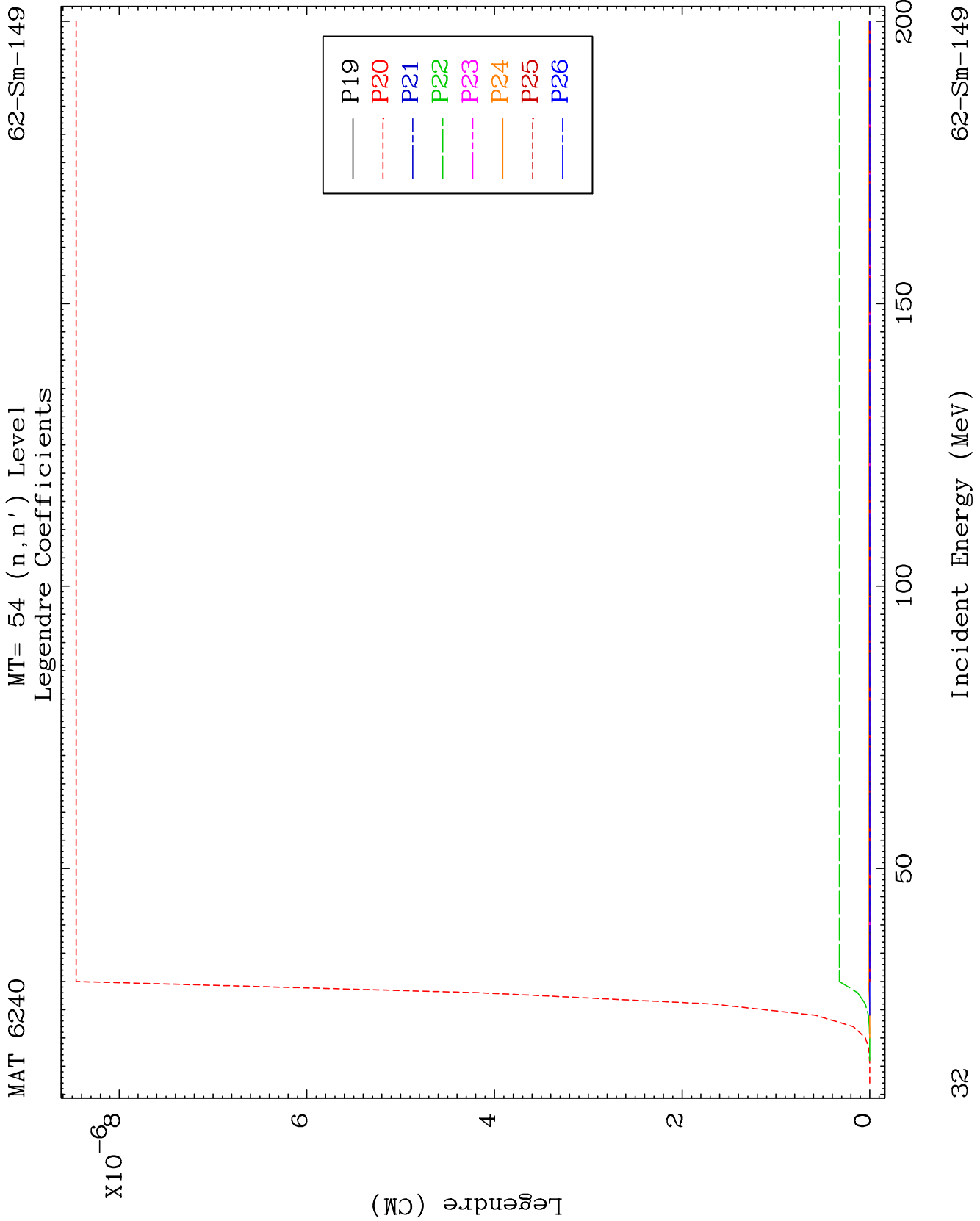
62-Sm-149



31

Incident Energy (MeV)

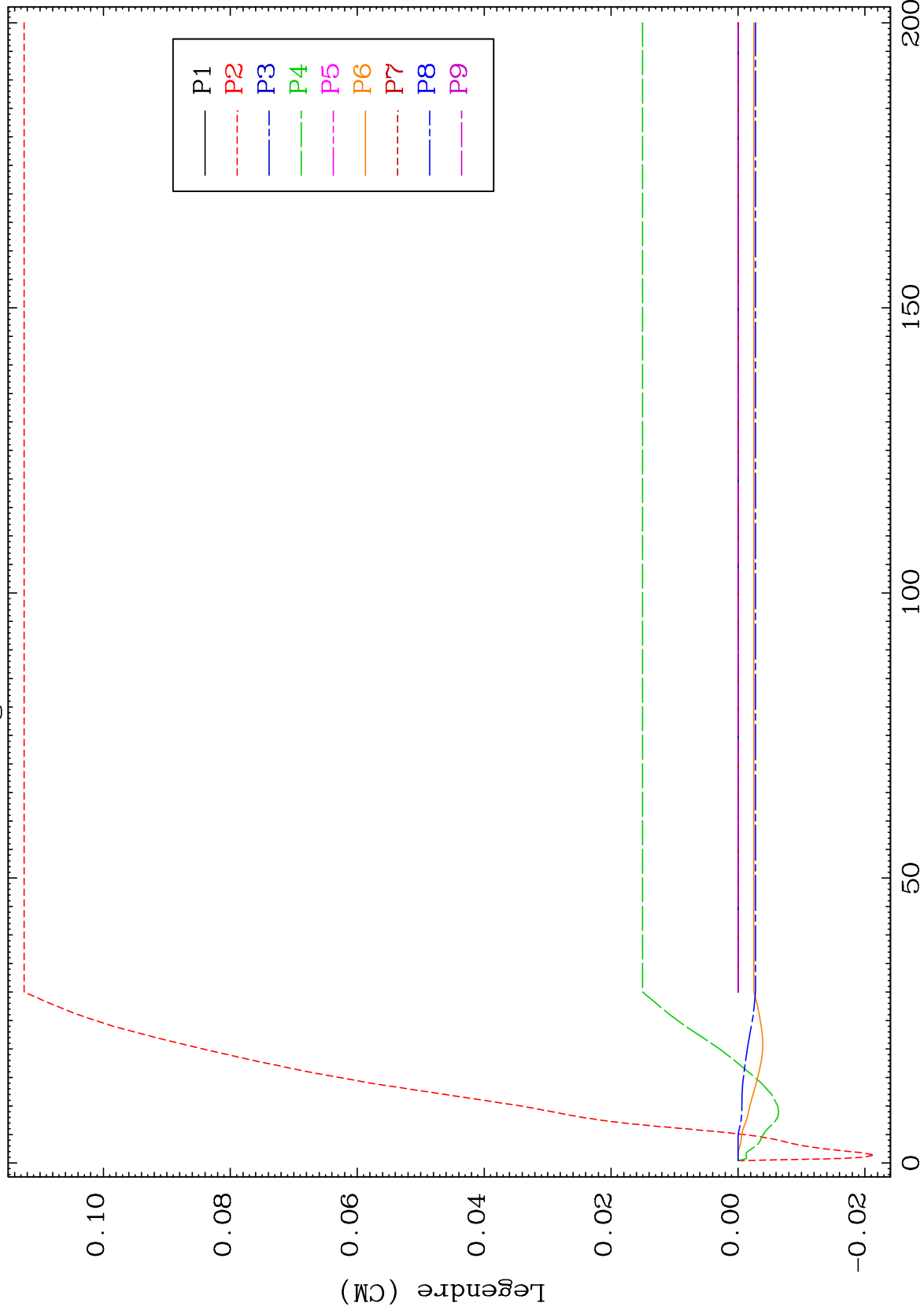
62-Sm-149



MAT 6240

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

62-Sm-149



62-Sm-149

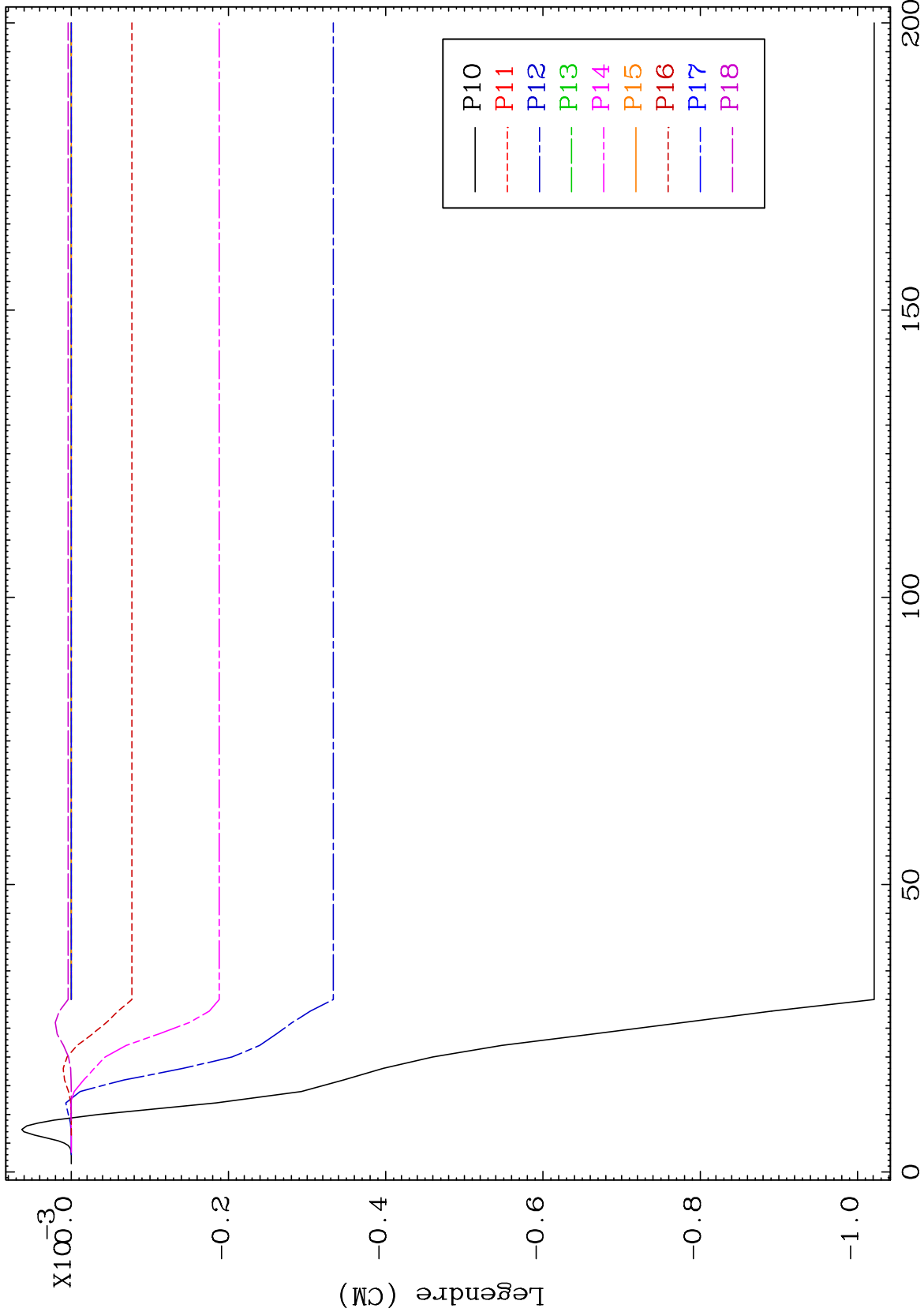
Incident Energy (MeV)

33

MAT 6240

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

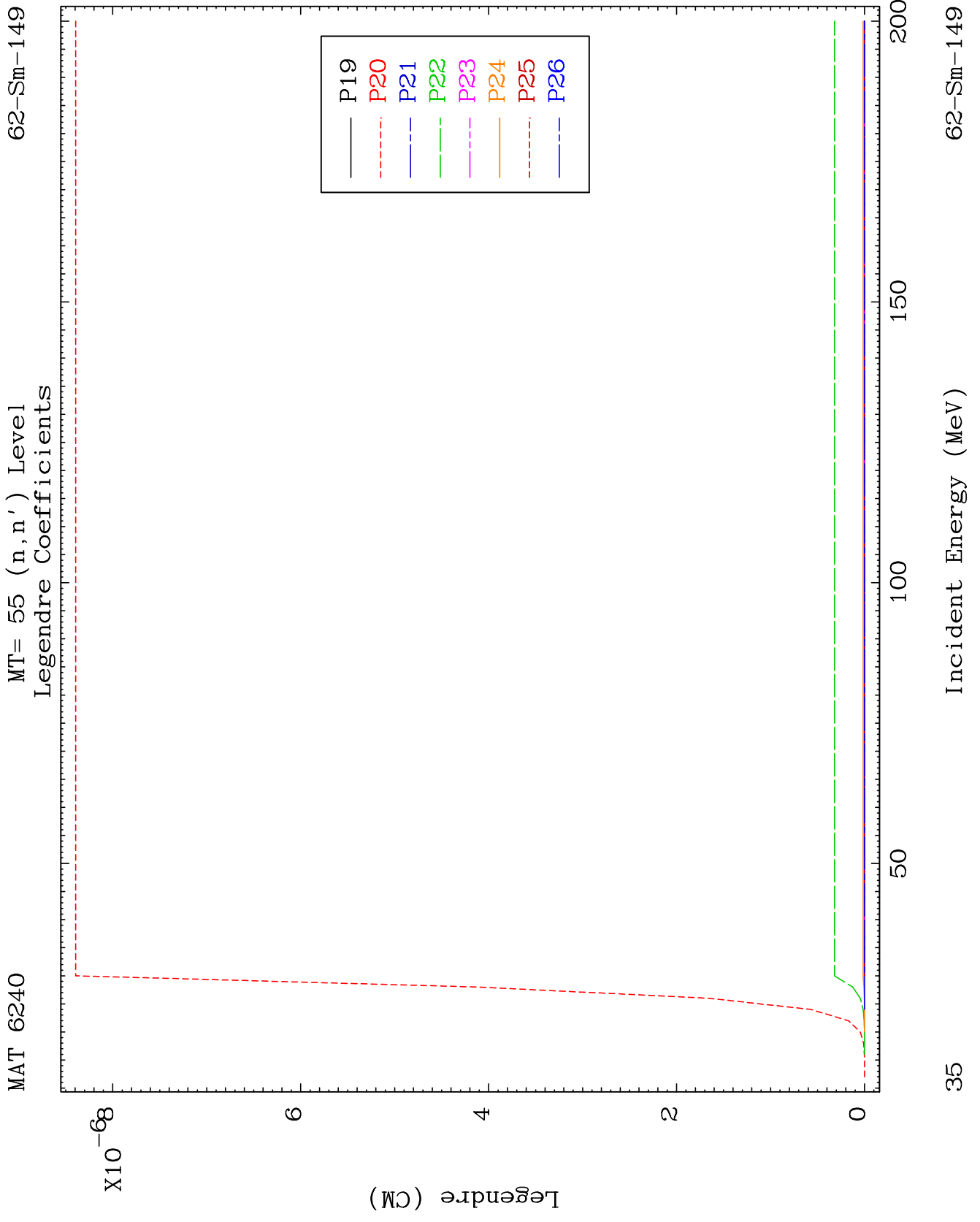
62-Sm-149



34

Incident Energy (MeV)

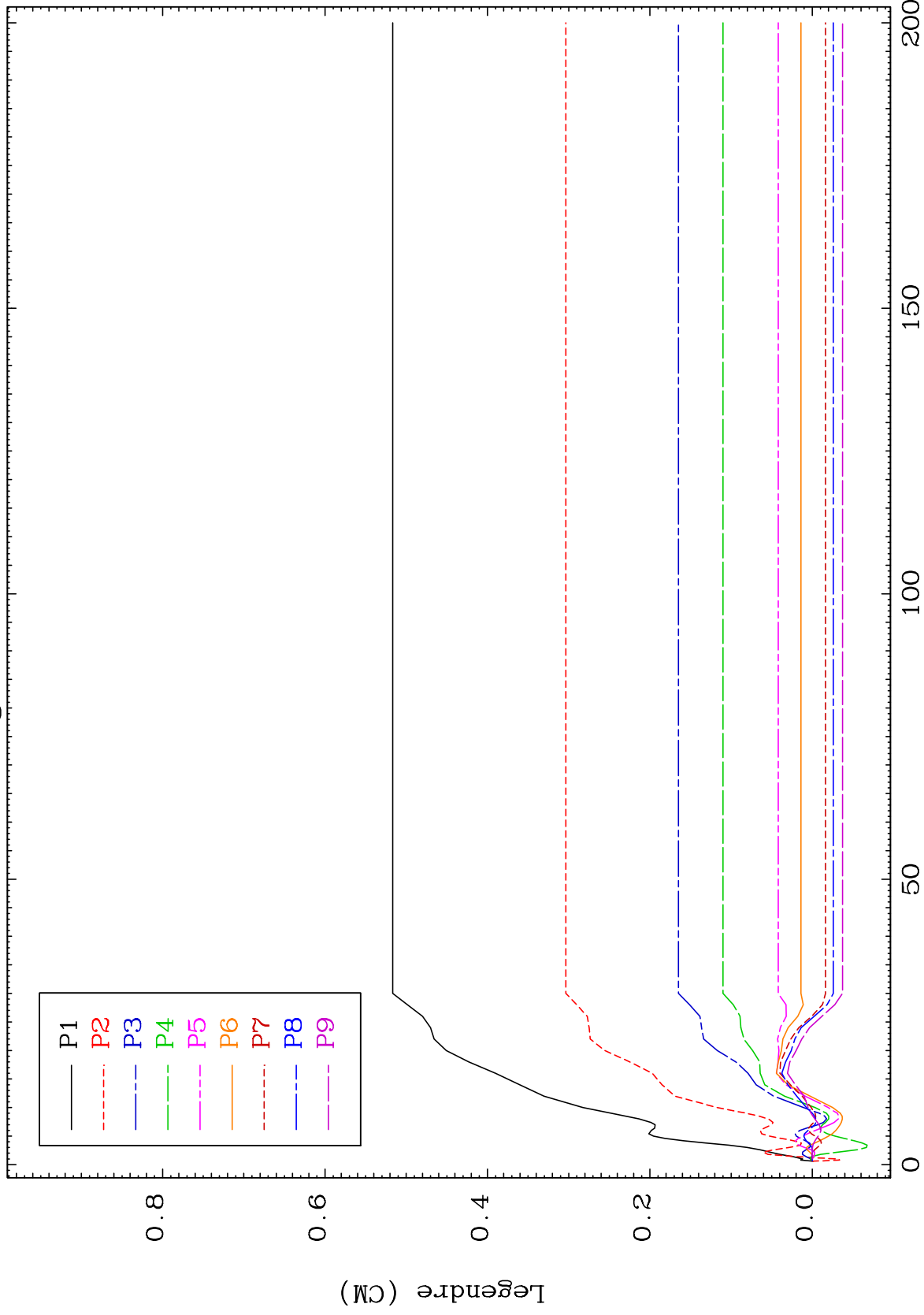
62-Sm-149



MAT 6240

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

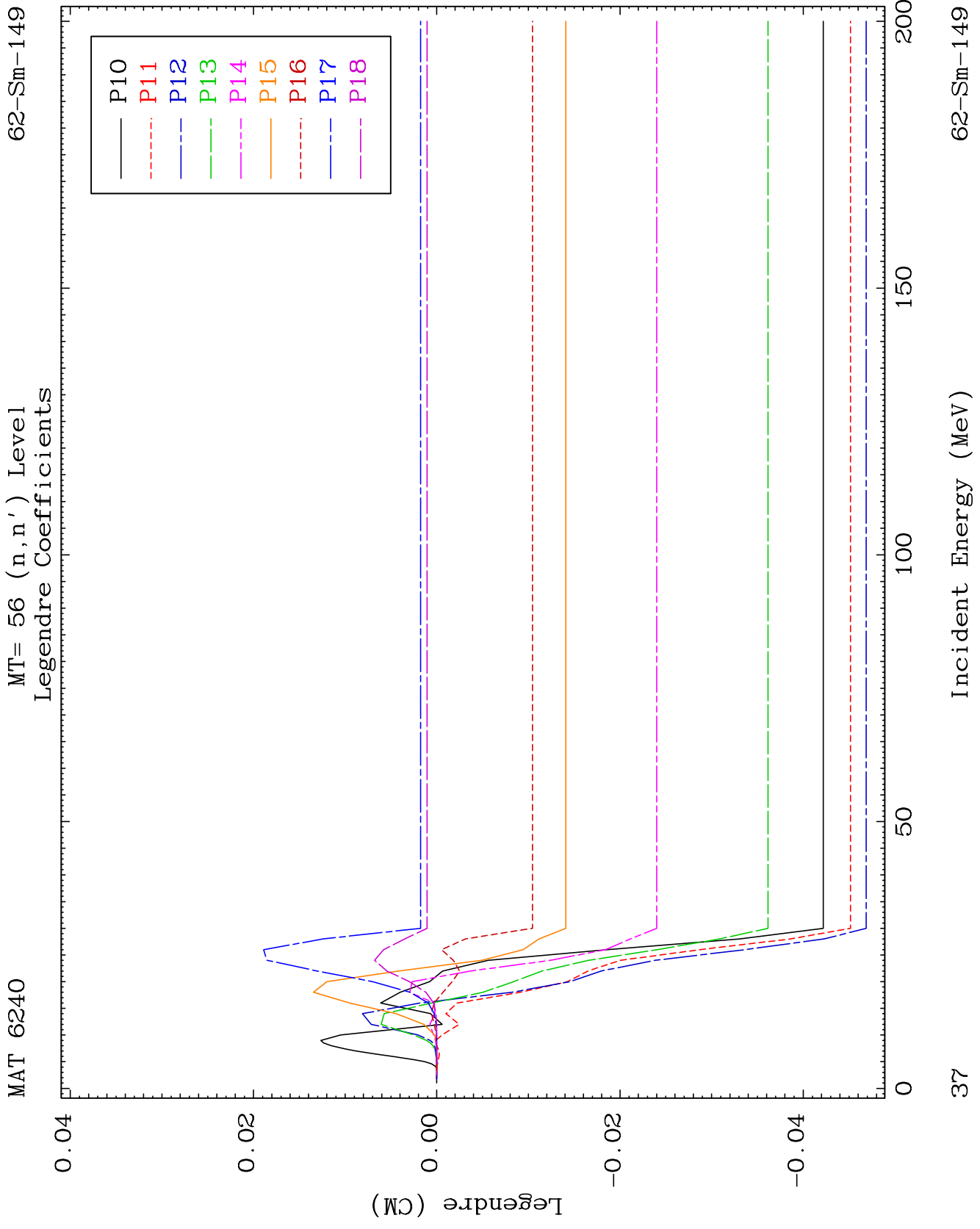
62-Sm-149



36

Incident Energy (MeV)

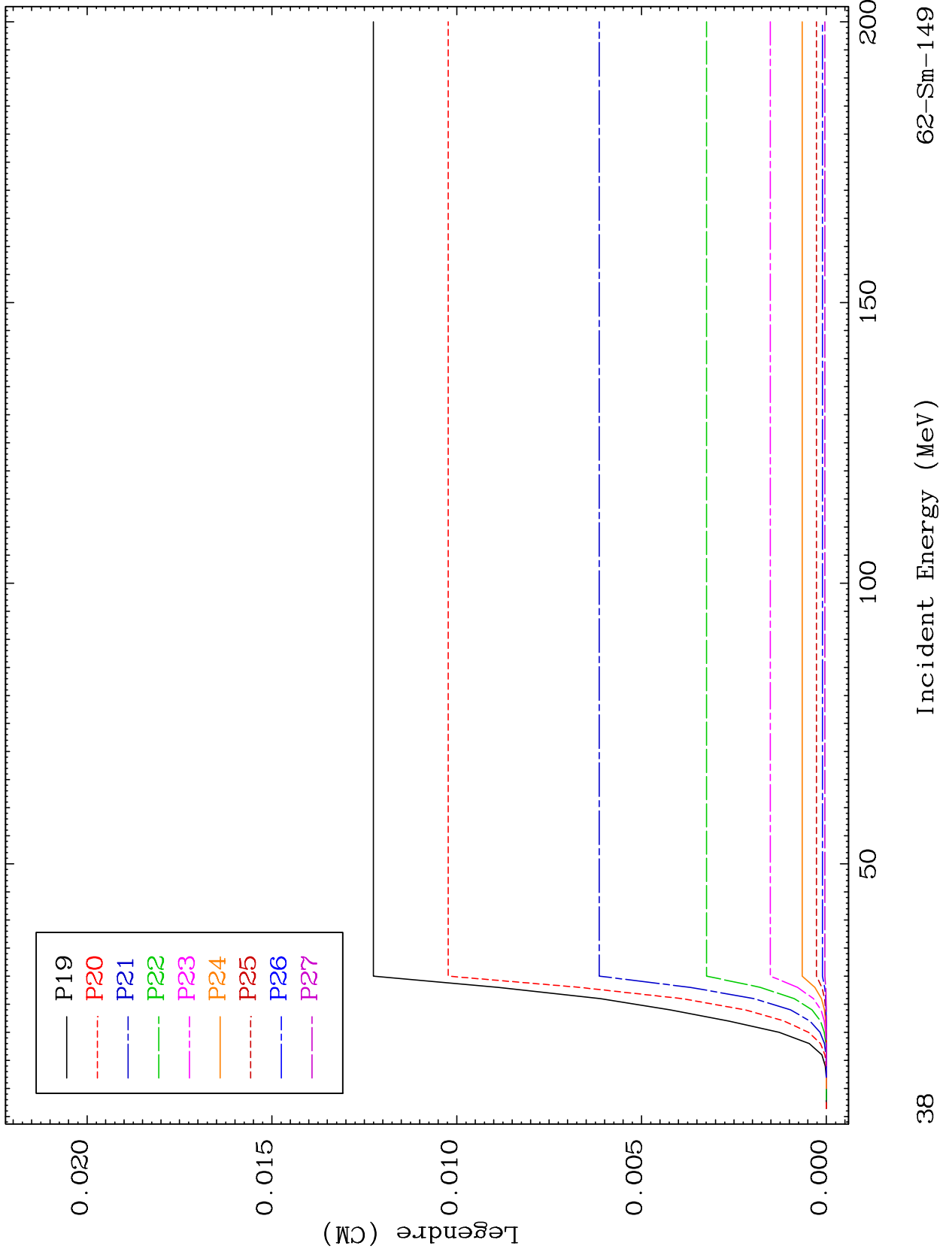
62-Sm-149



MAT 6240

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

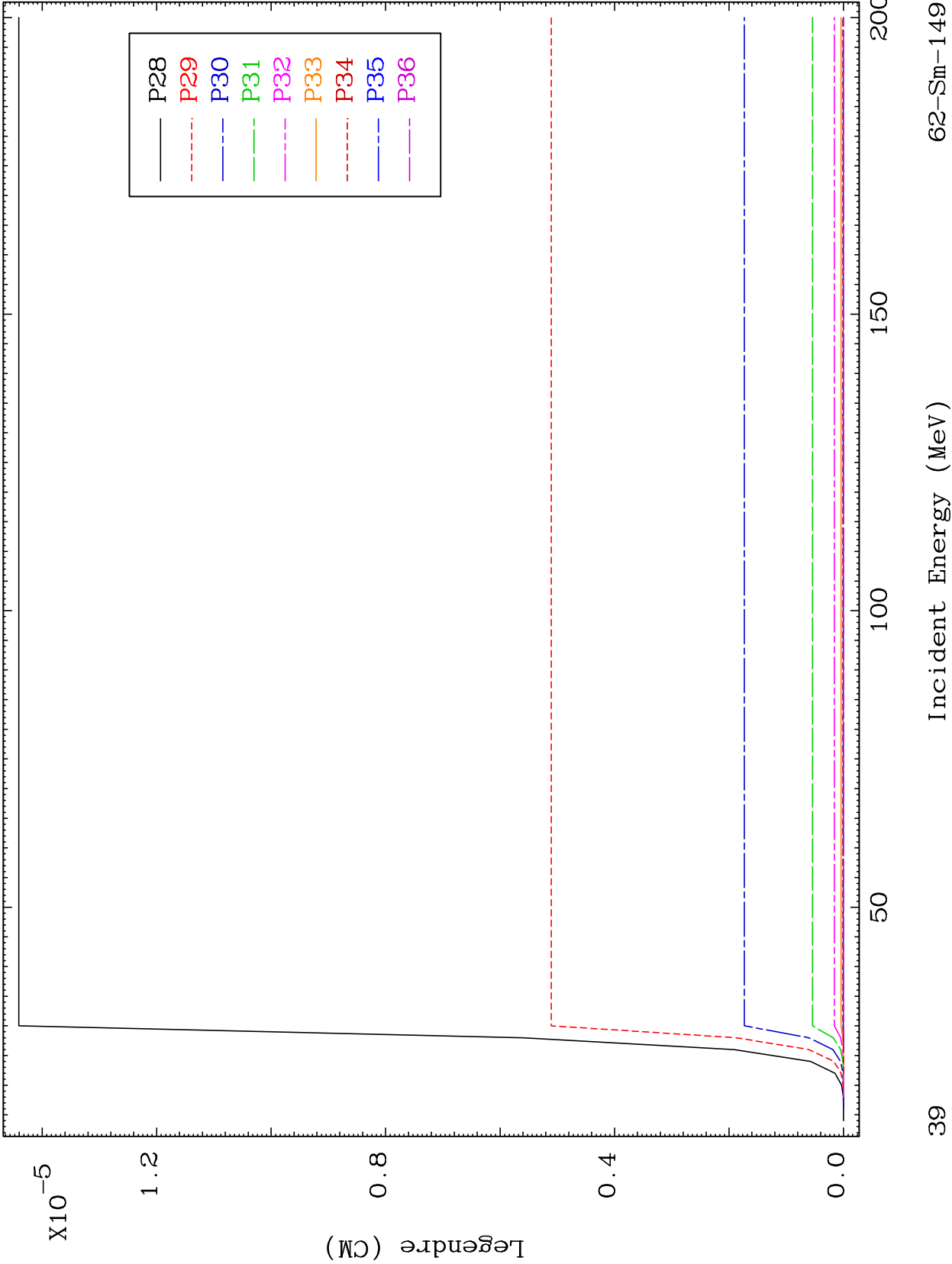
62-Sm-149



MAT 6240

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

62-Sm-149



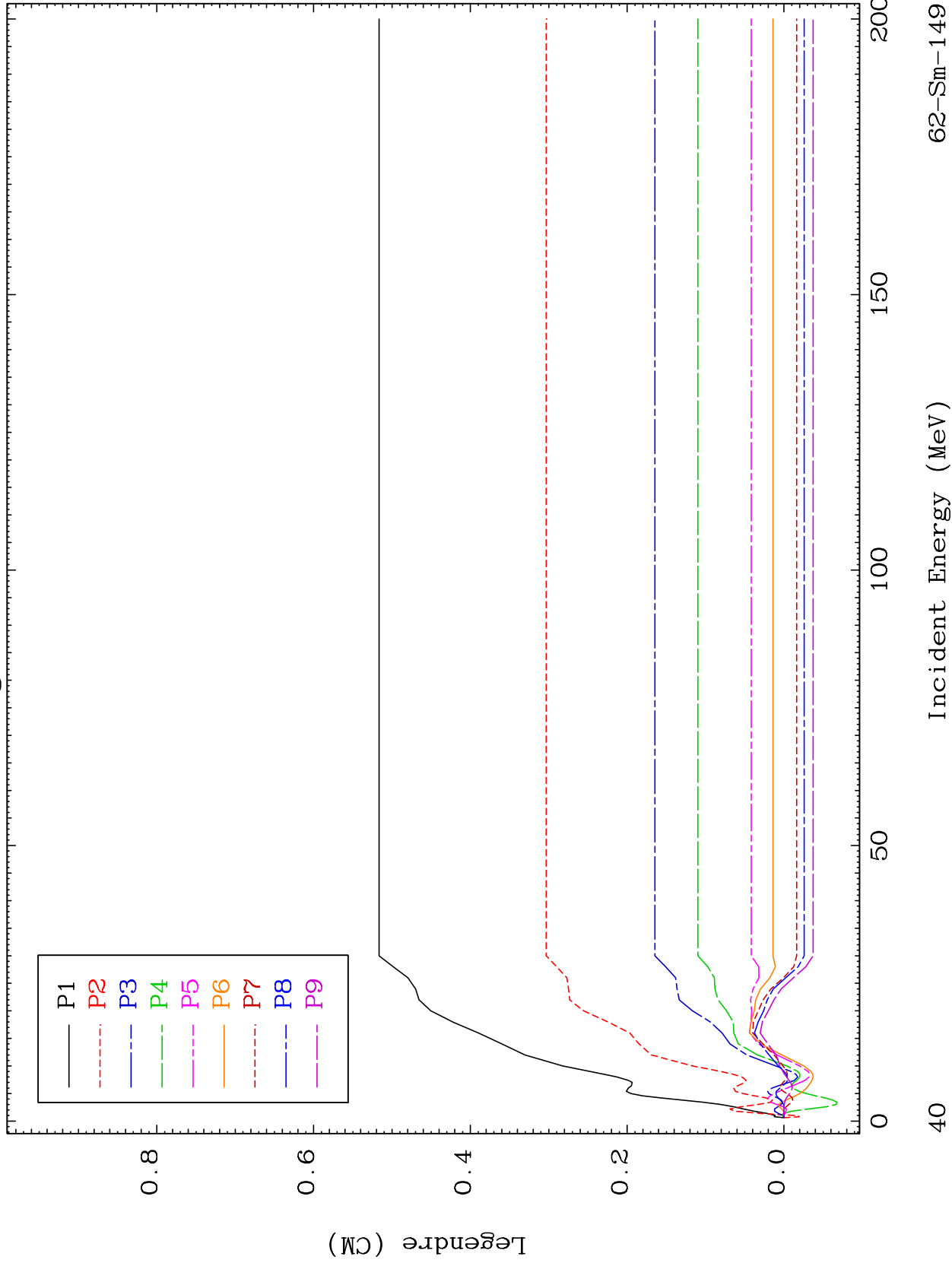
39

62-Sm-149

MAT 6240

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

62-Sm-149



62-Sm-149

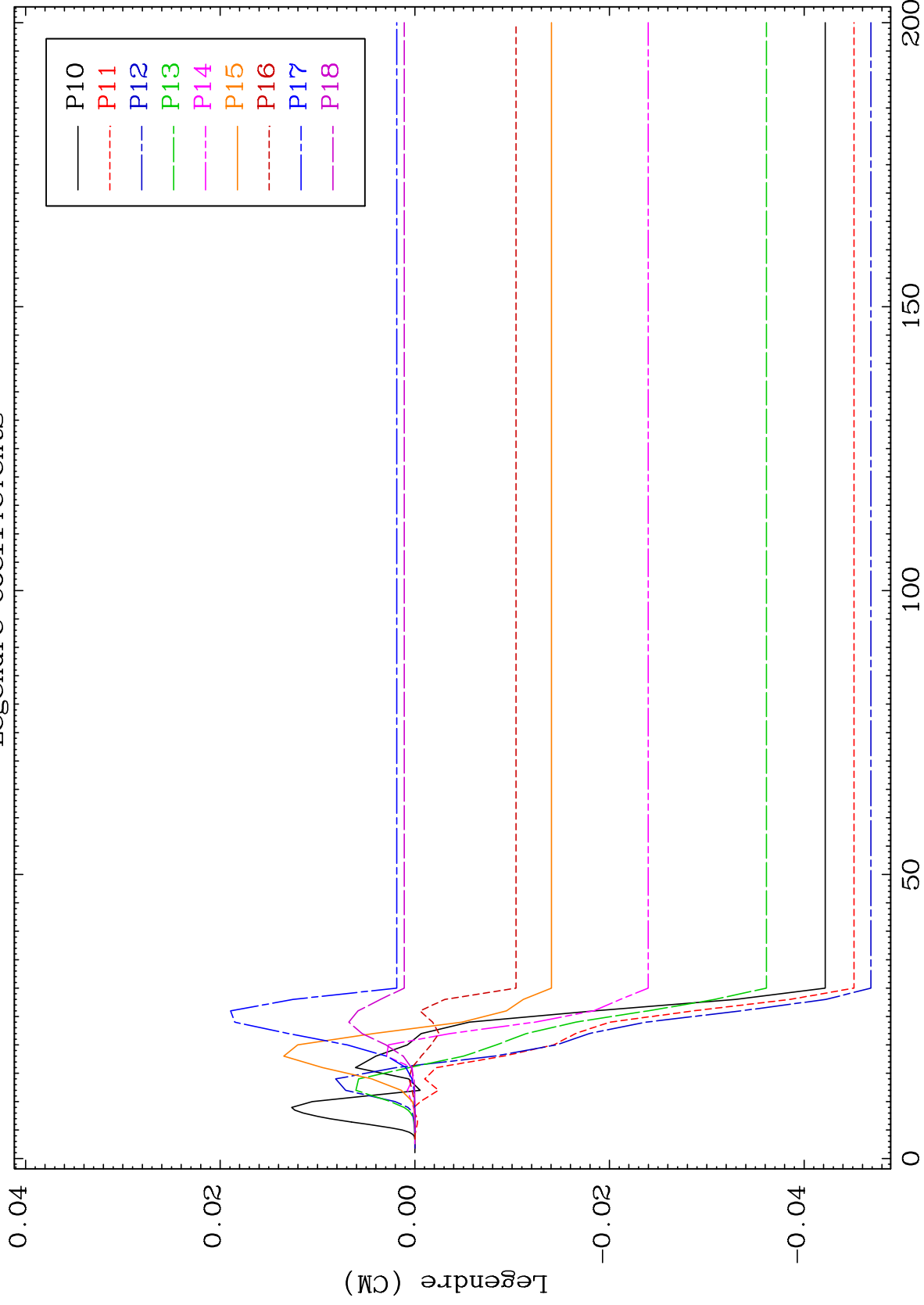
Incident Energy (MeV)

40

MAT 6240

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

62-Sm-149



41

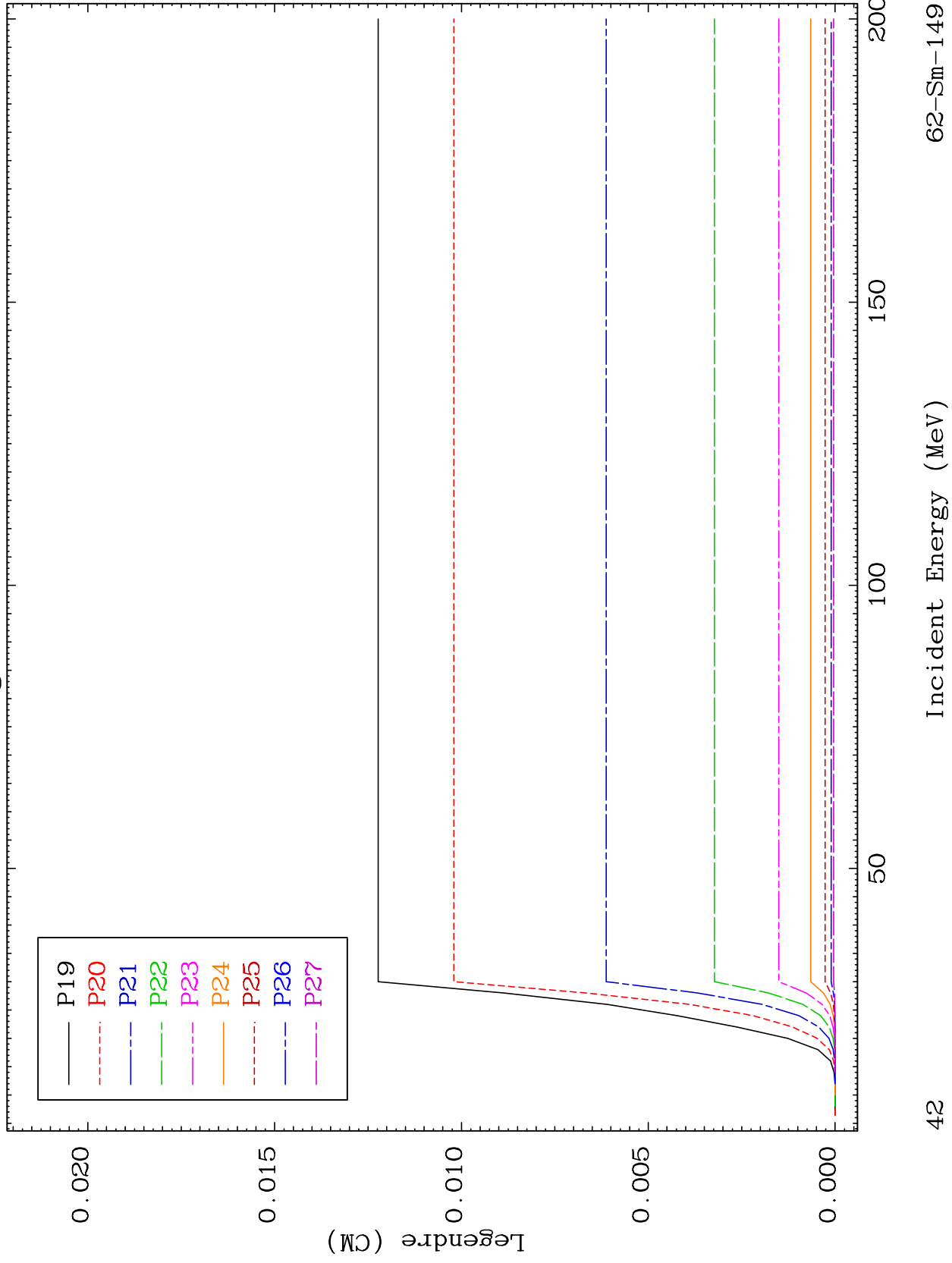
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



42

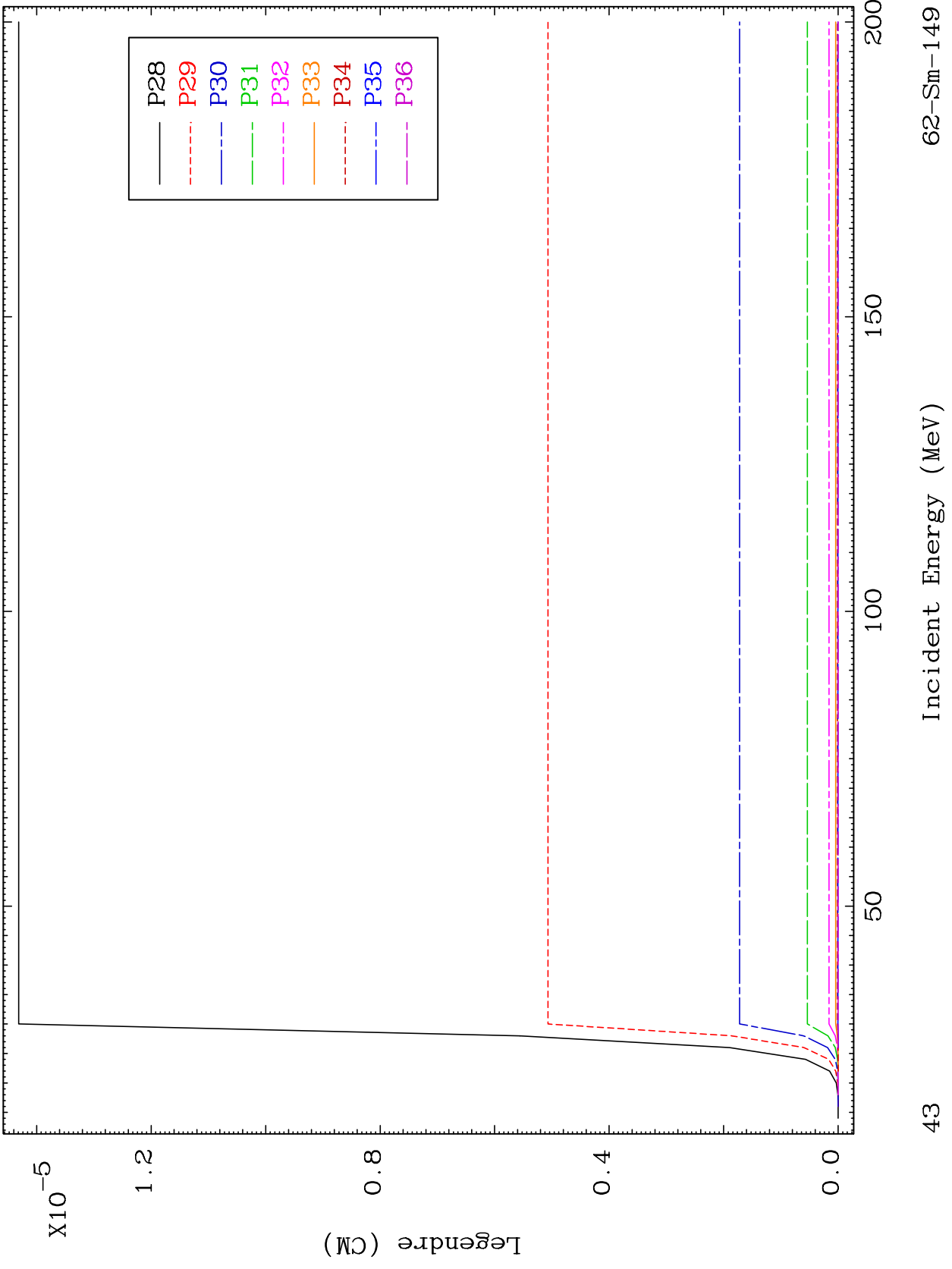
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



43

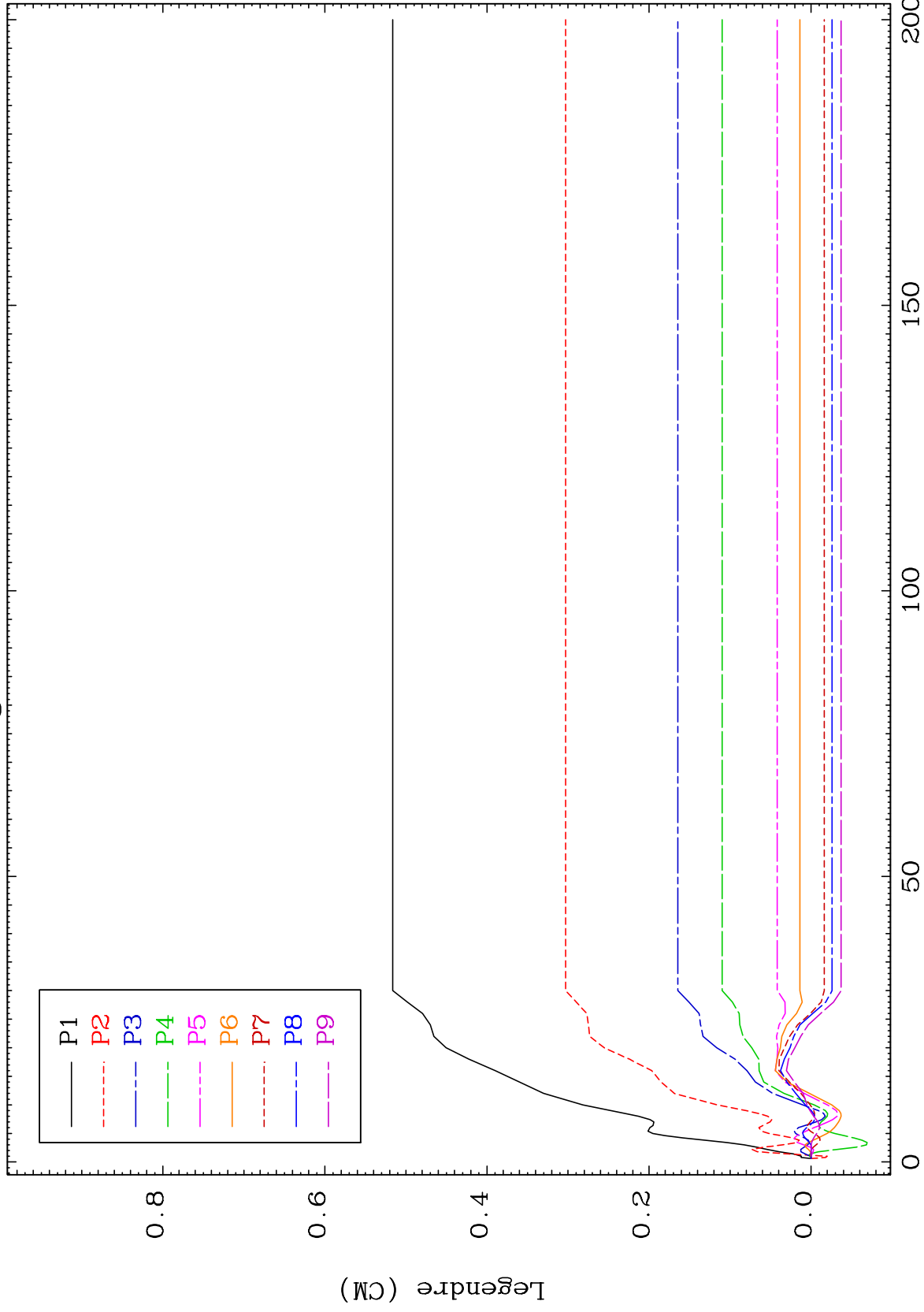
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

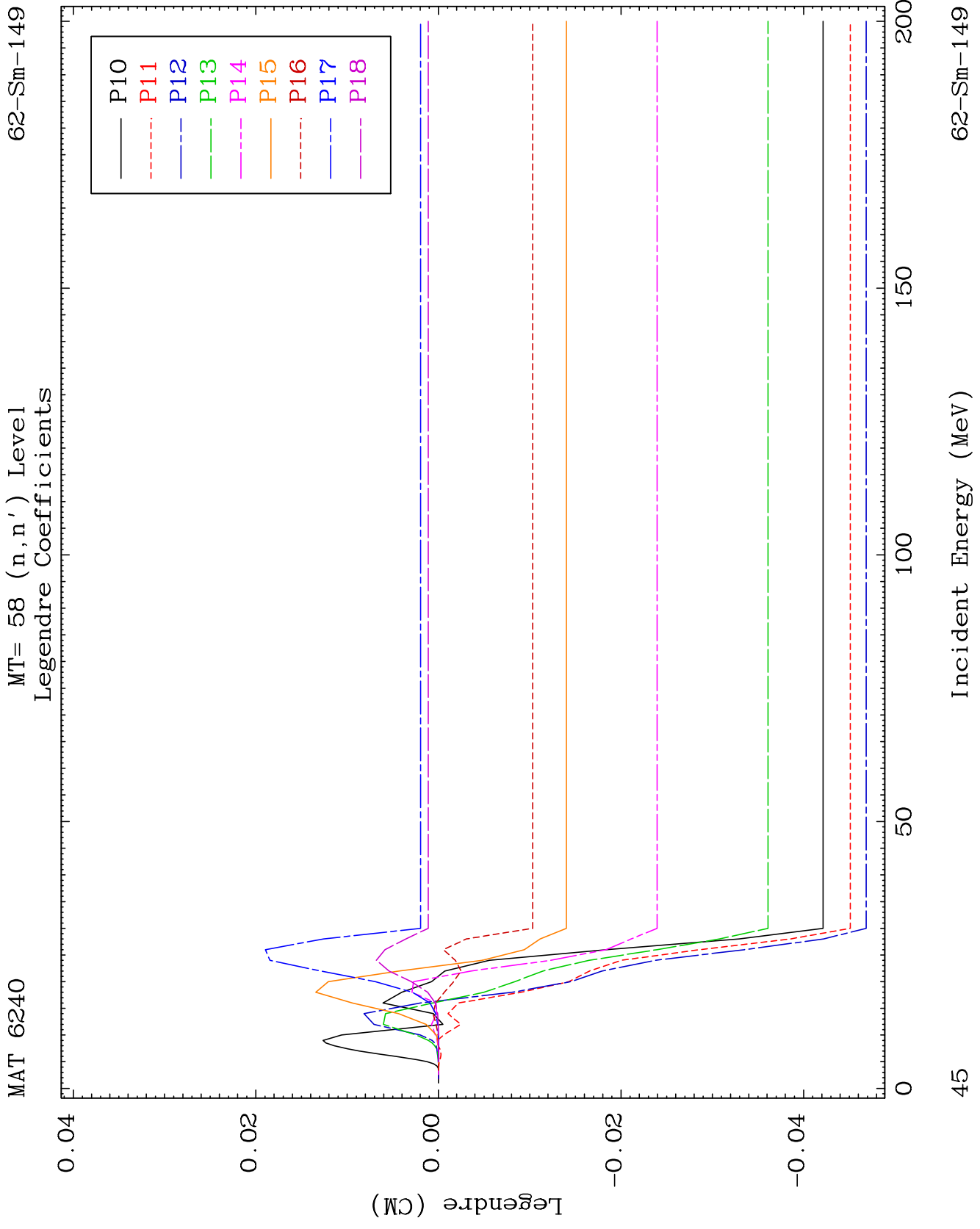
62-Sm-149



44

Incident Energy (MeV)

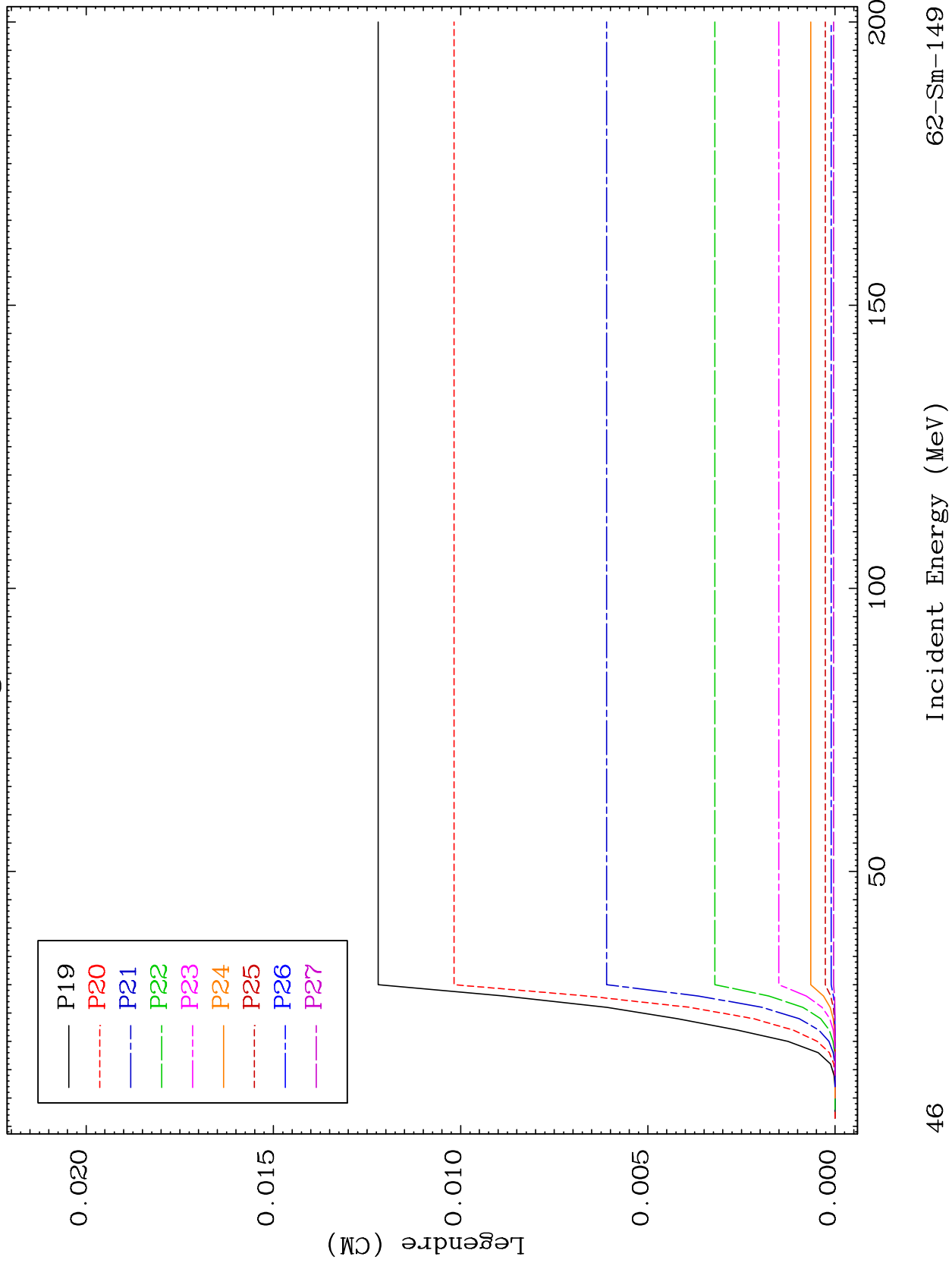
62-Sm-149



MAT 6240

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

62-Sm-149



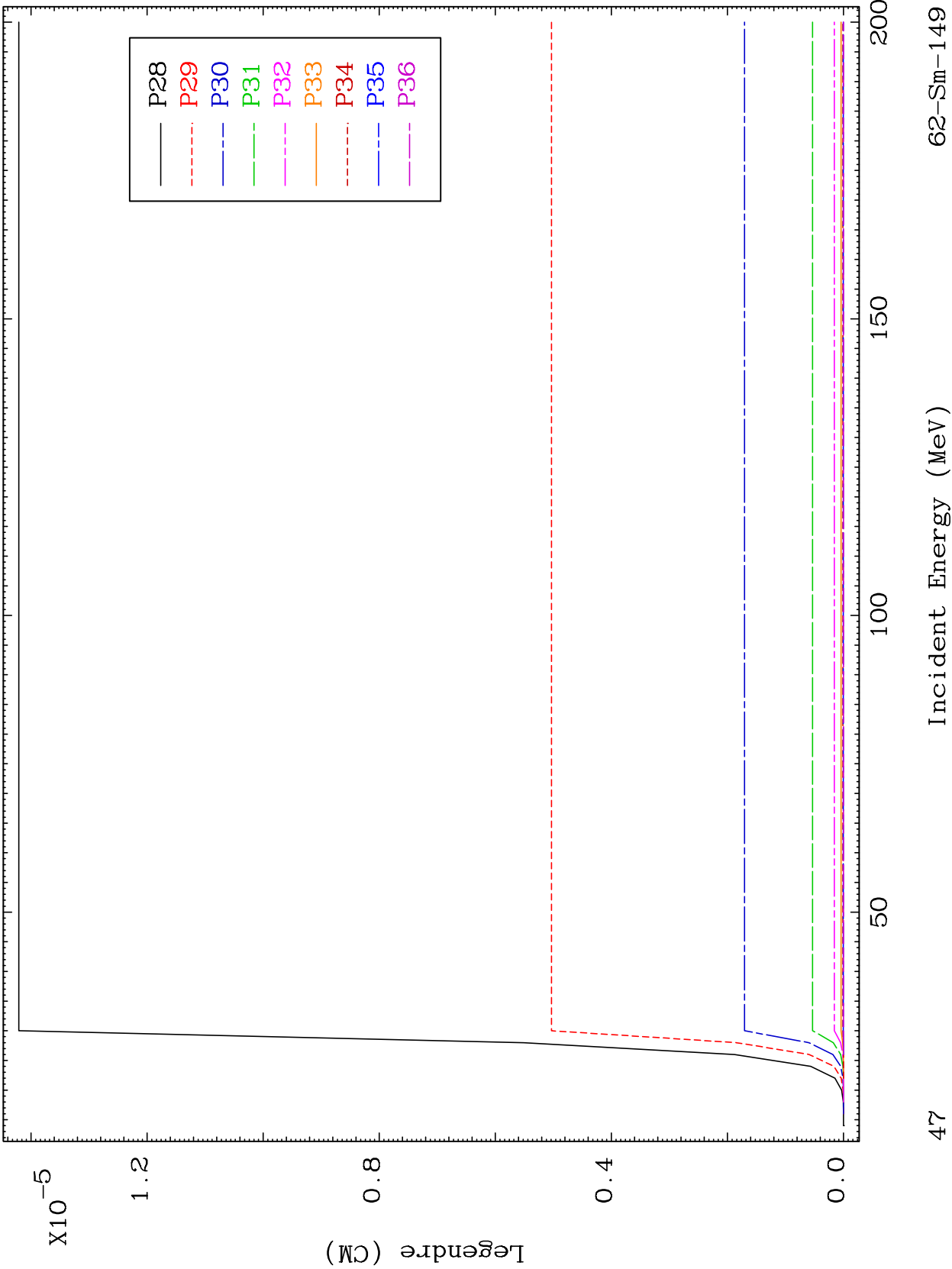
46

62-Sm-149

MAT 6240

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

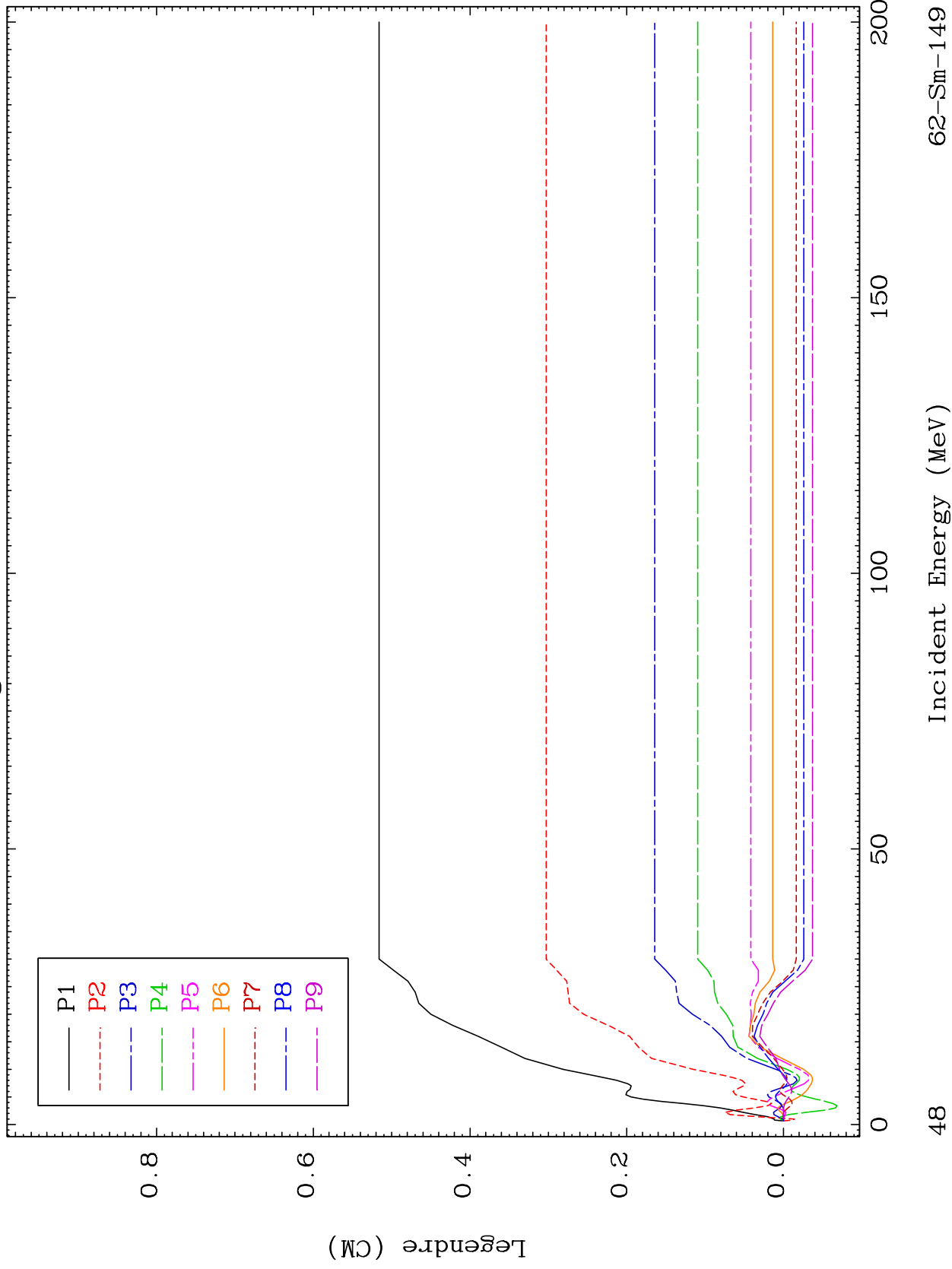
62-Sm-149



MAT 6240

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

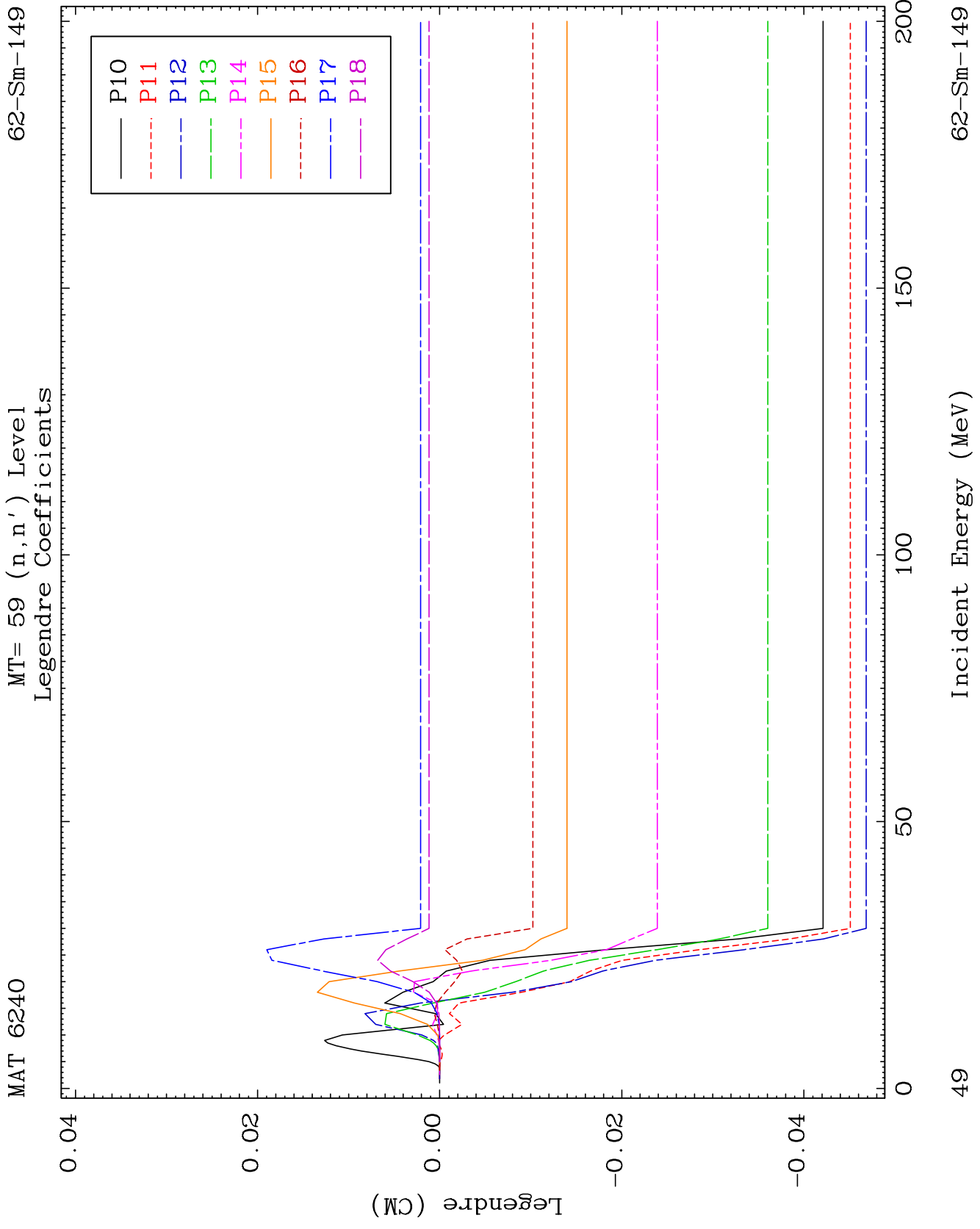
62-Sm-149



62-Sm-149

Incident Energy (MeV)

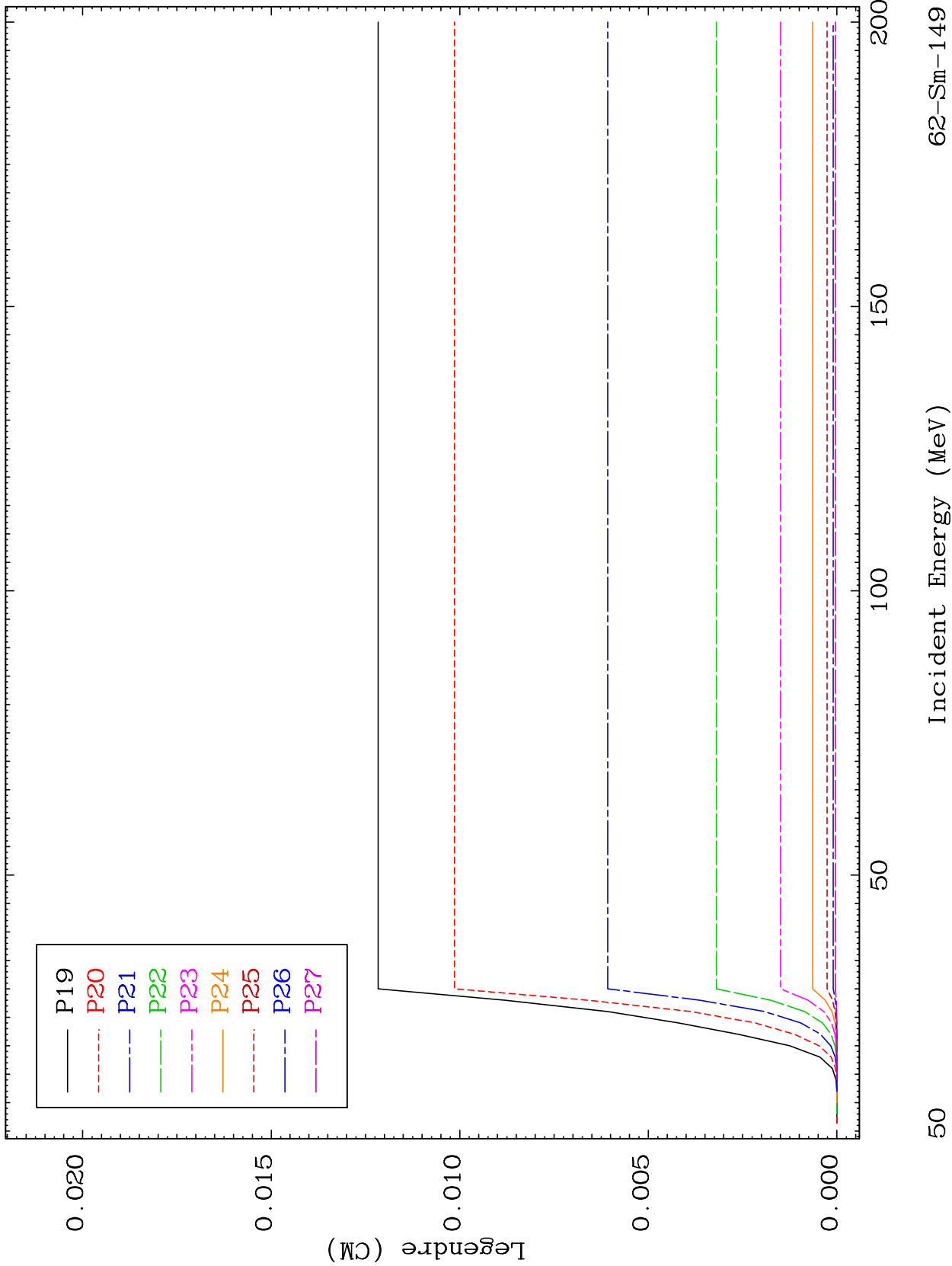
48



MAT 6240

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

62-Sm-149



50

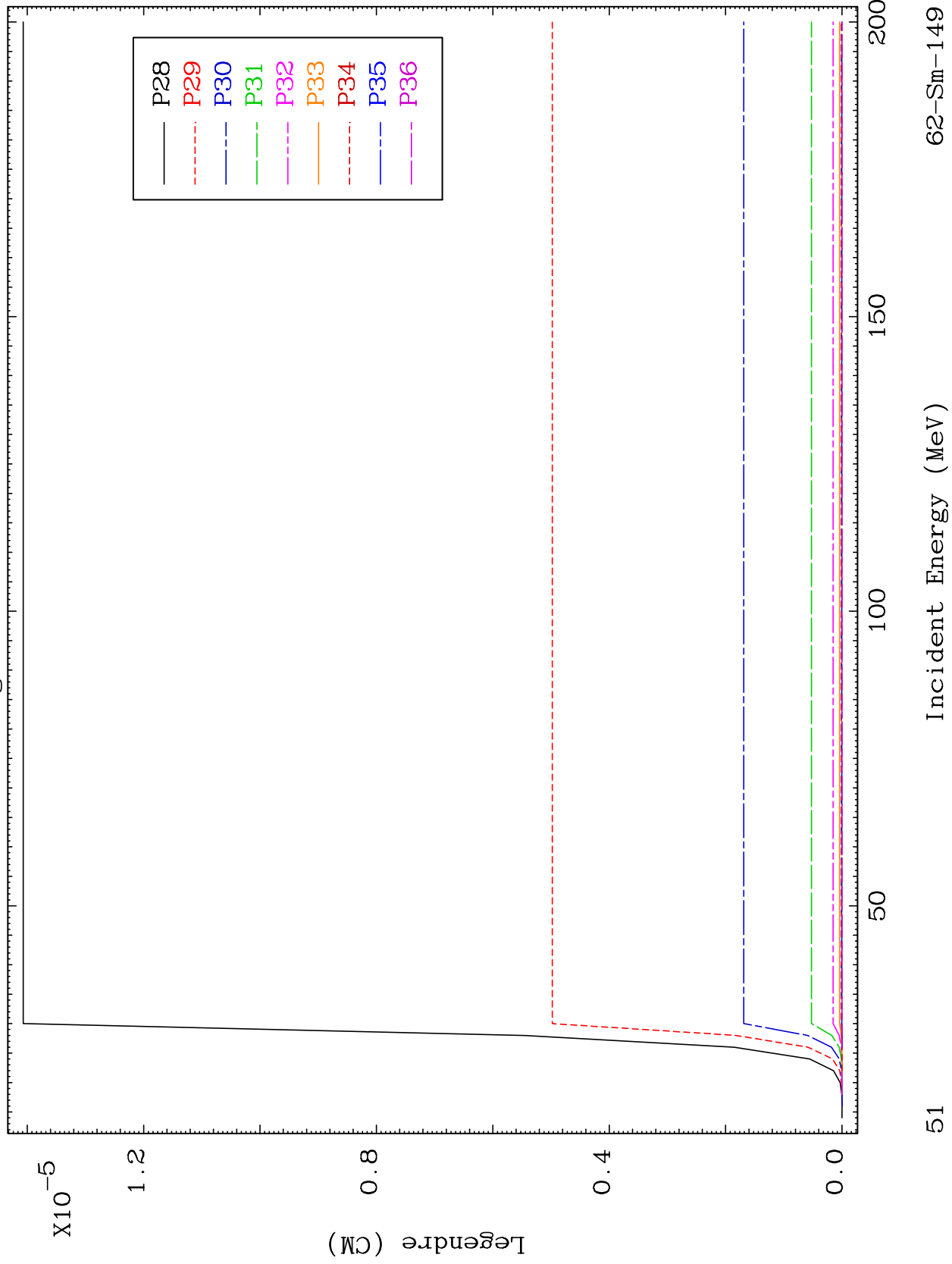
Incident Energy (MeV)

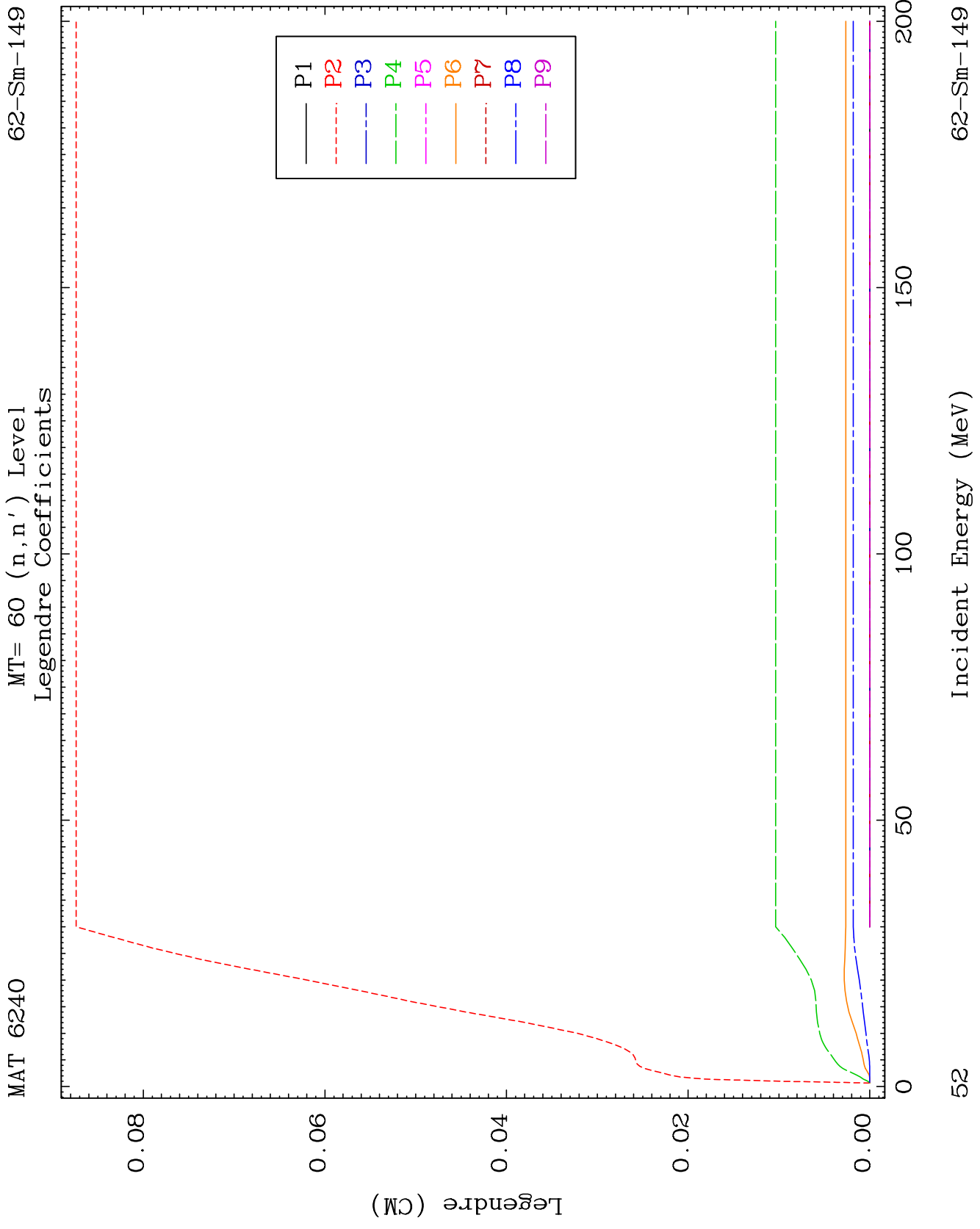
62-Sm-149

MAT 6240

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

62-Sm-149

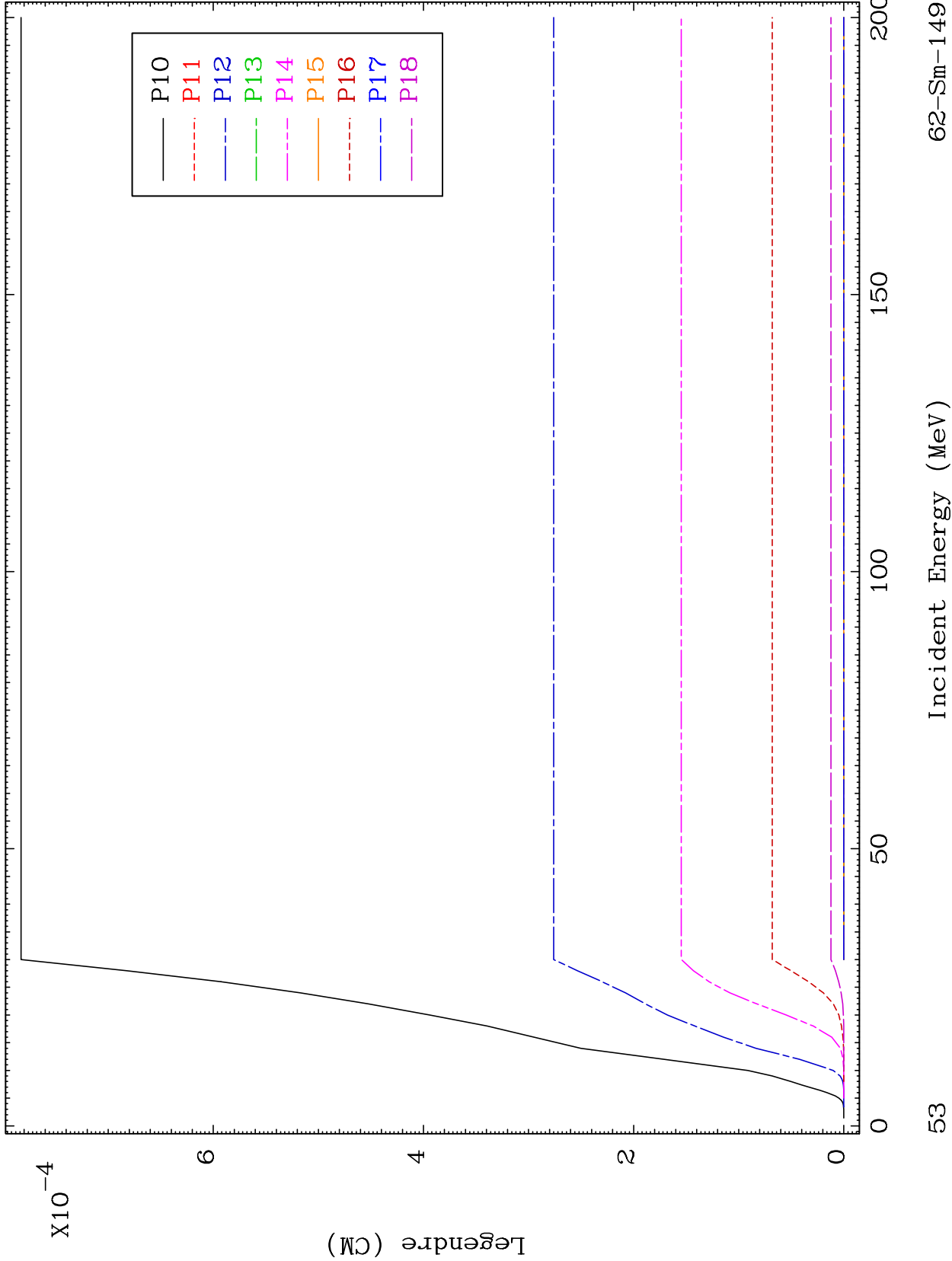


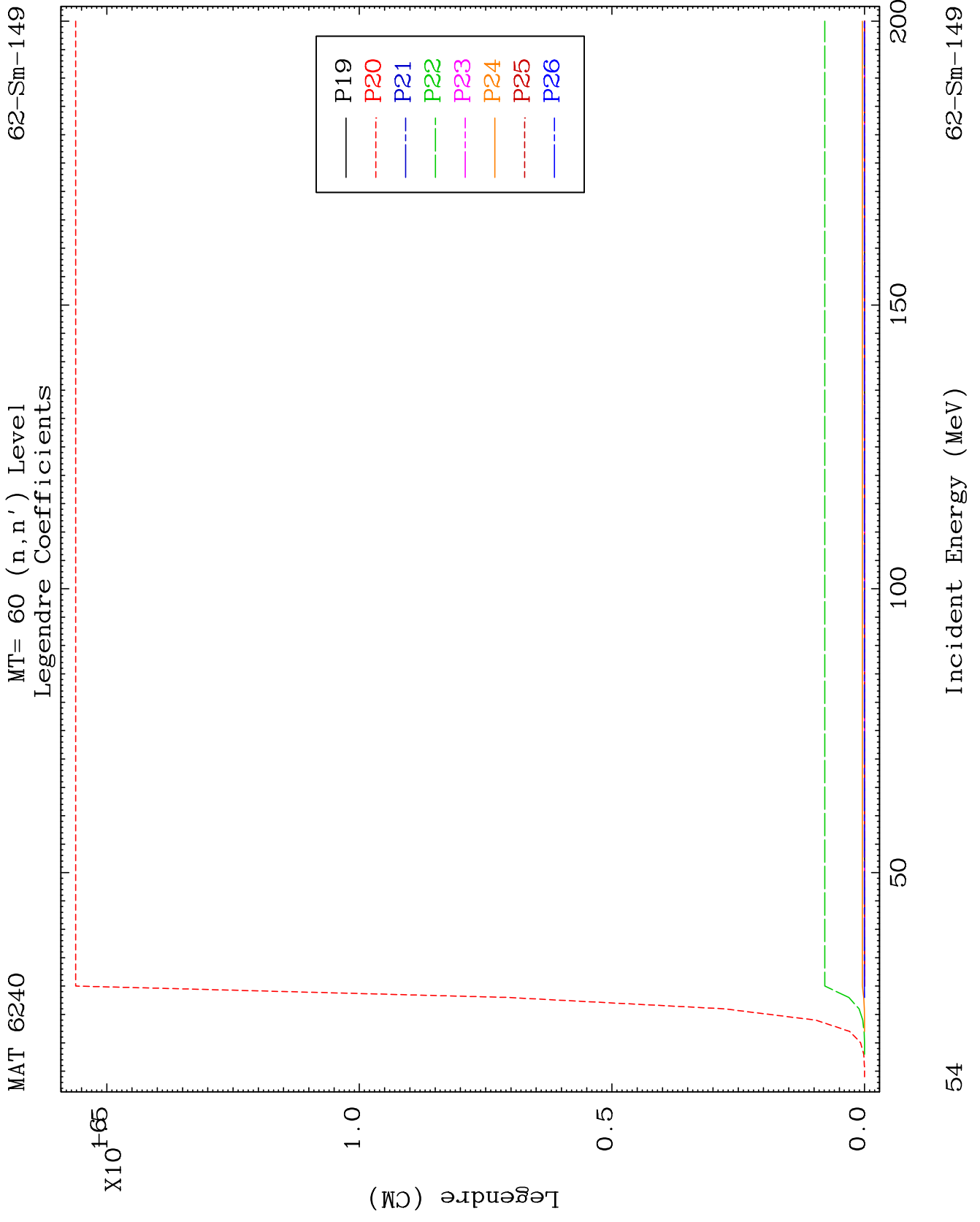


MAT 6240

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

62-Sm-149

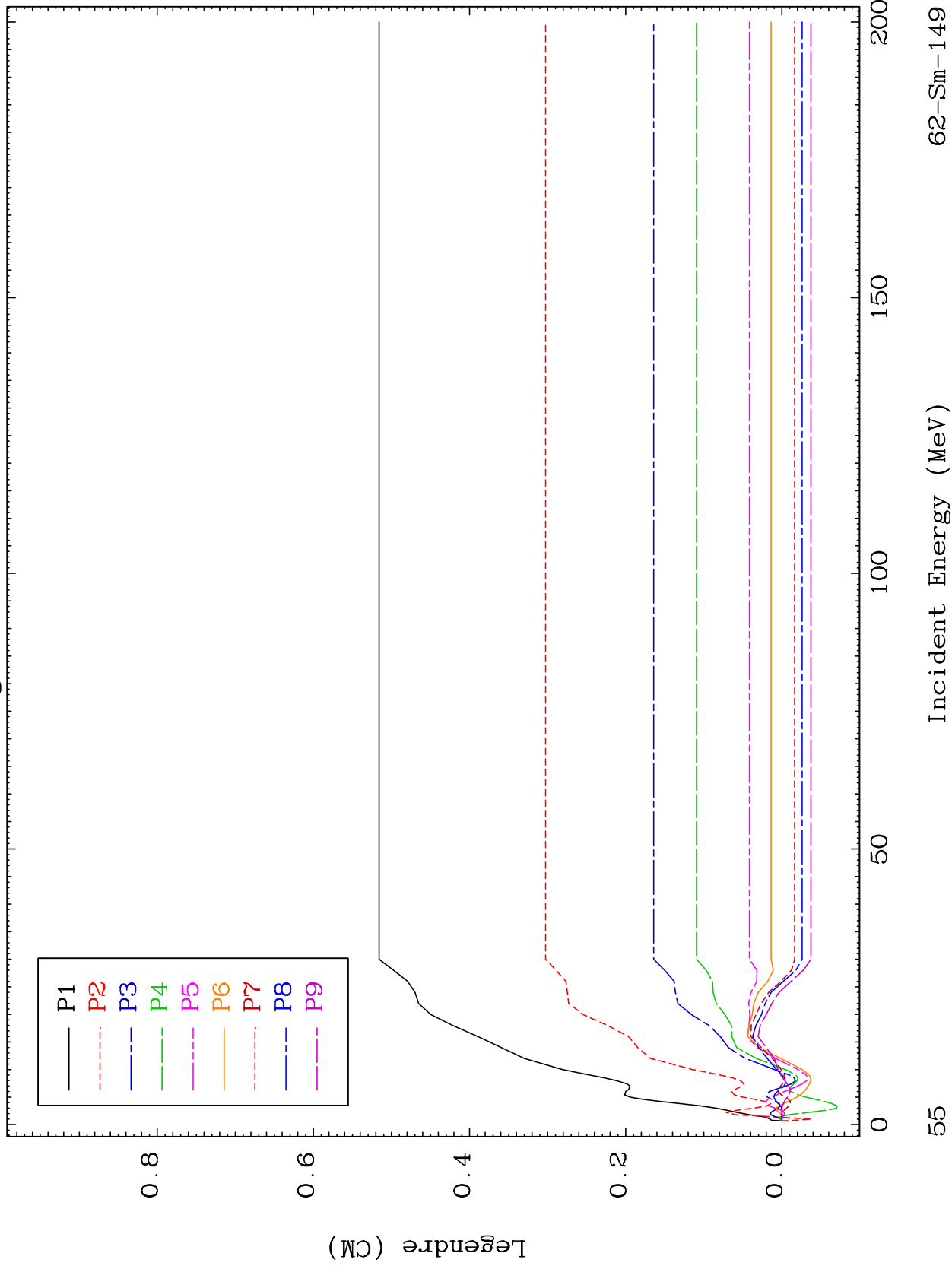




MAT 6240

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

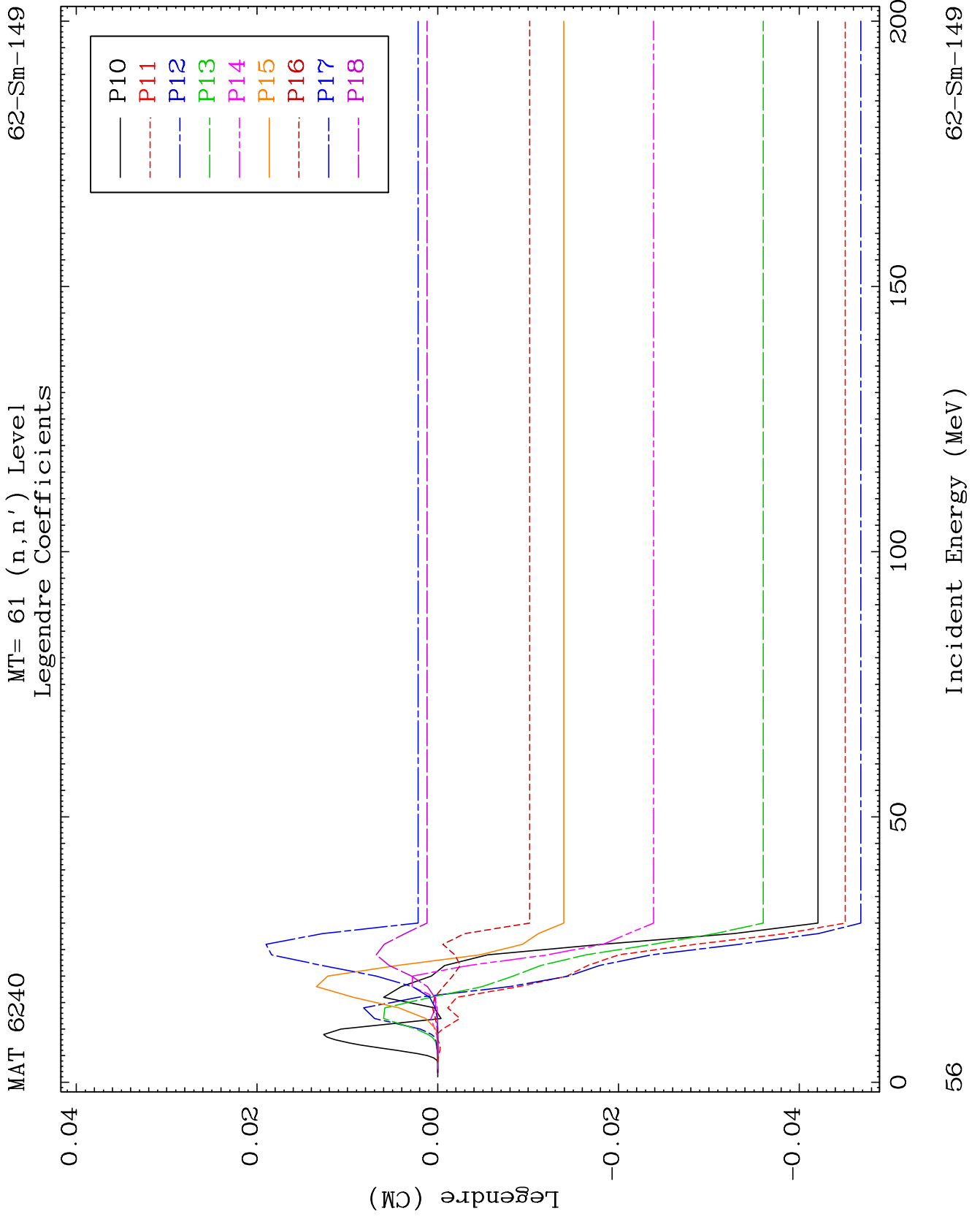
62-Sm-149



62-Sm-149

Incident Energy (MeV)

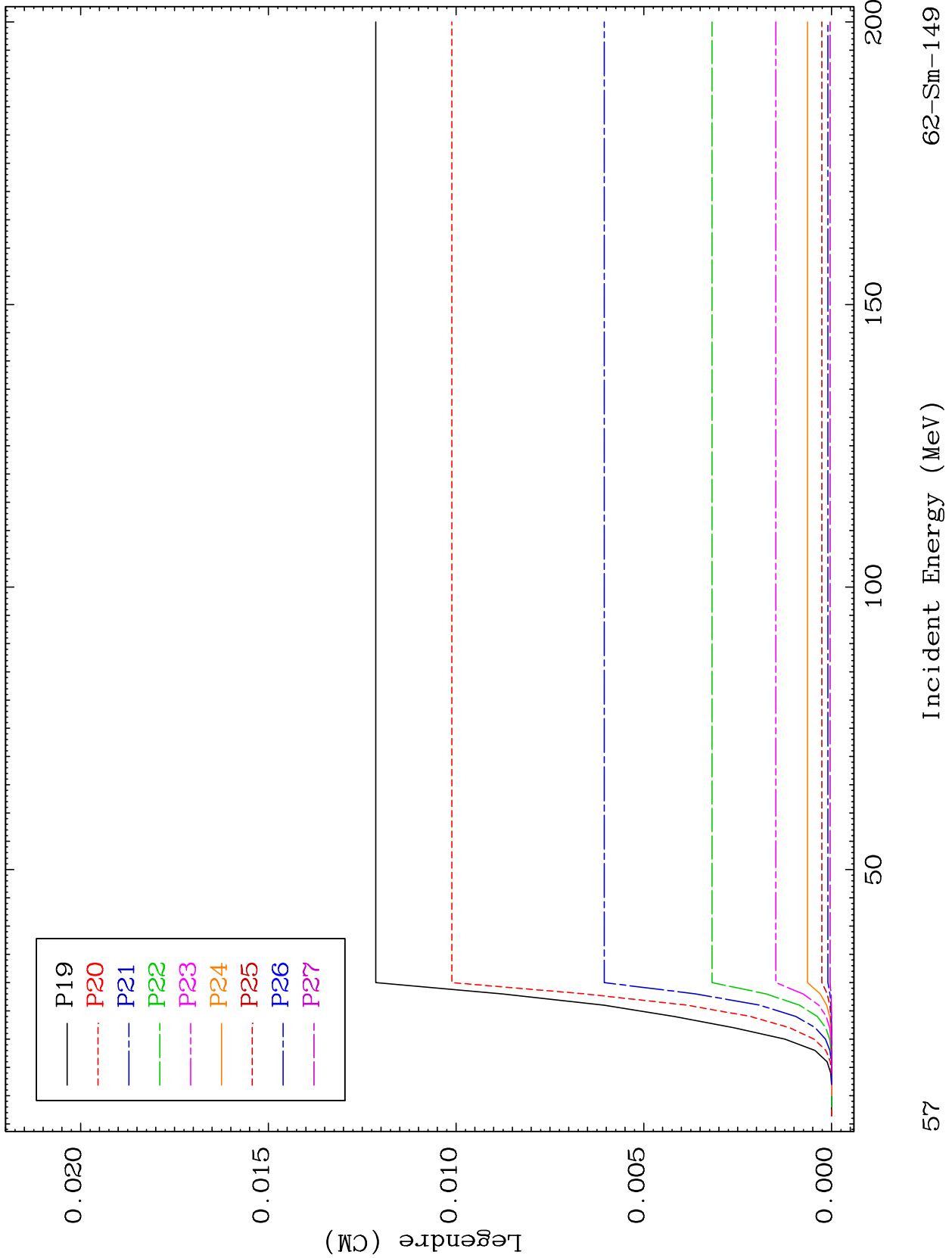
55



MAT 6240

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

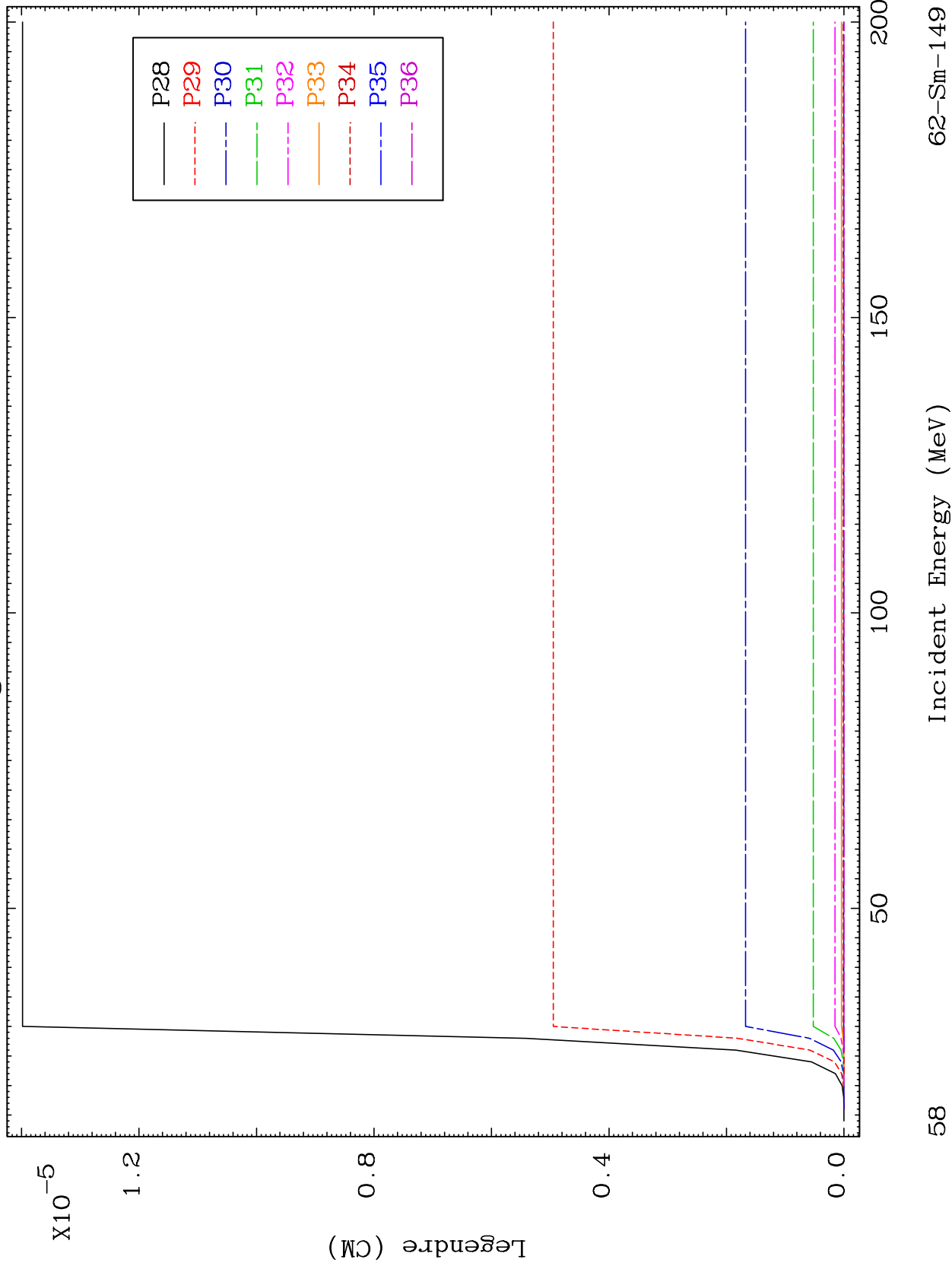
62-Sm-149



MAT 6240

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

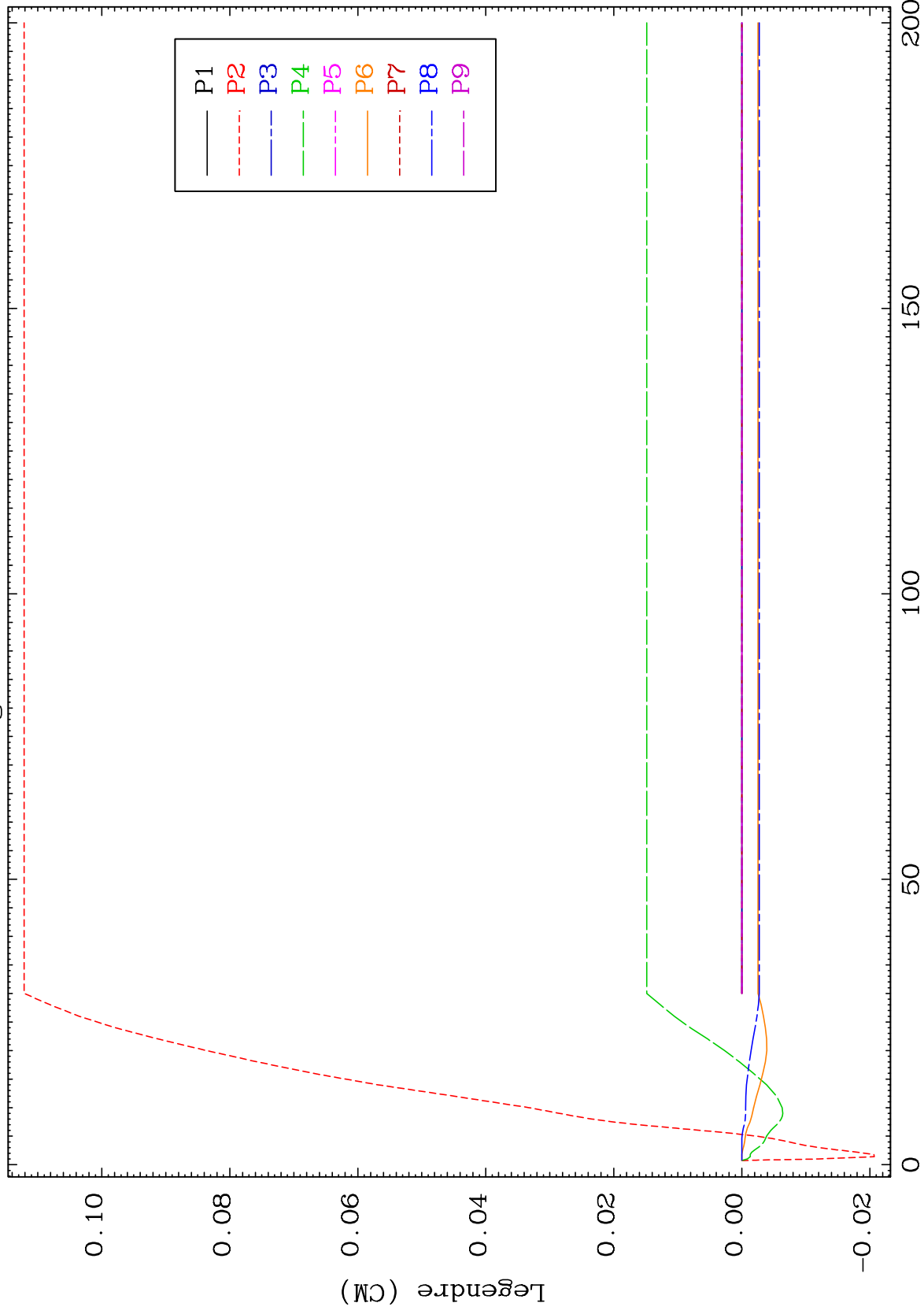
62-Sm-149



MAT 6240

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

62-Sm-149



59

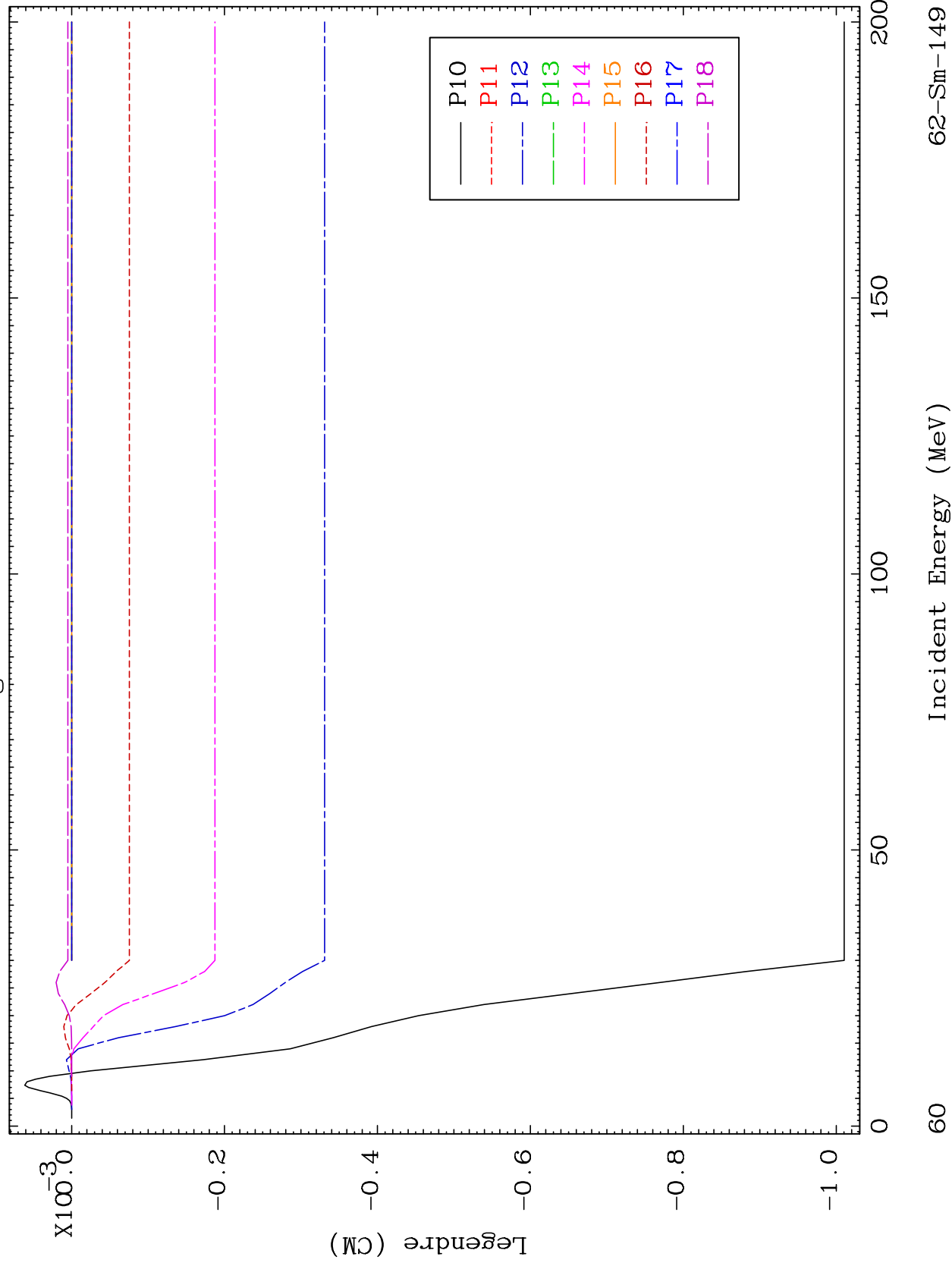
Incident Energy (MeV)

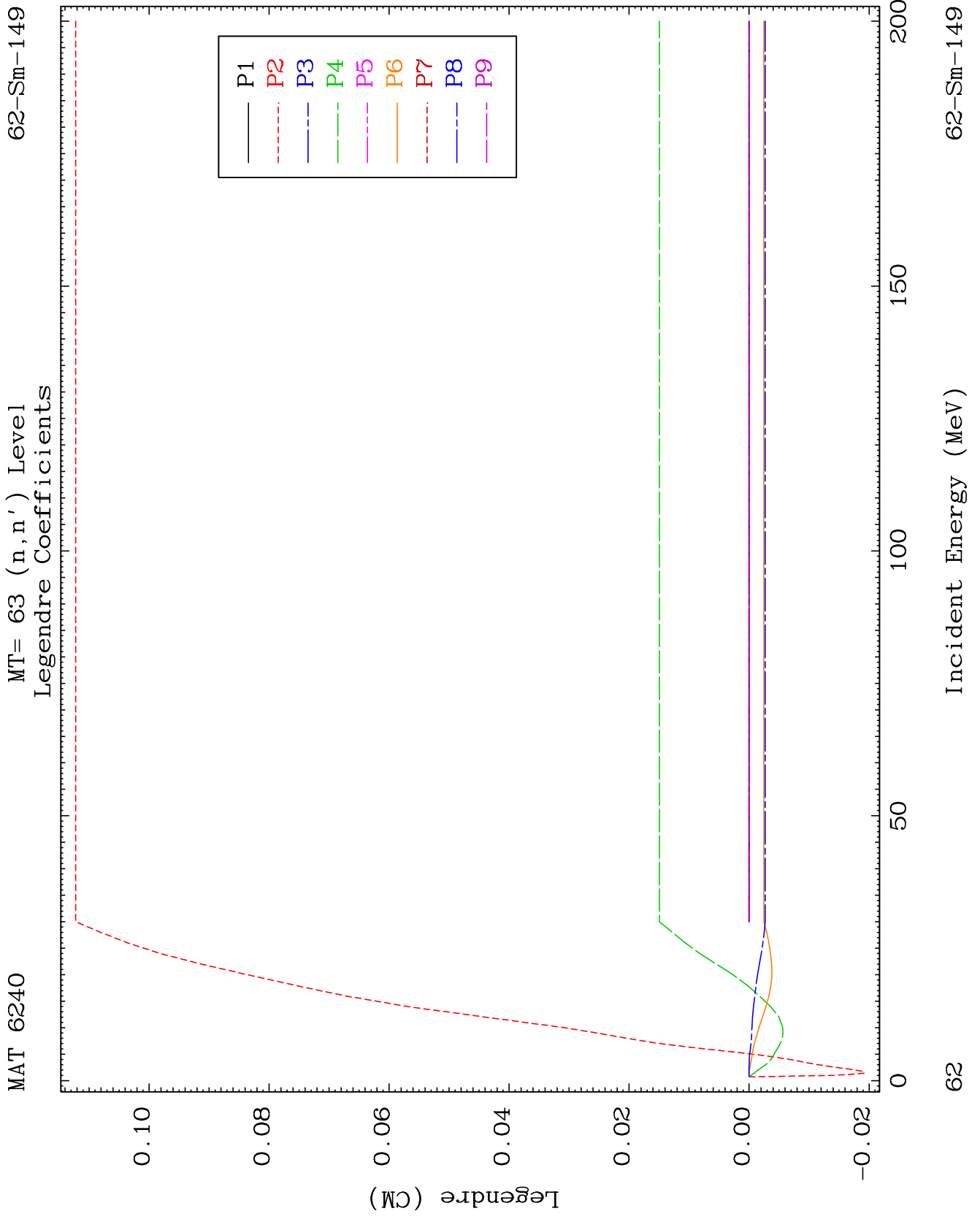
62-Sm-149

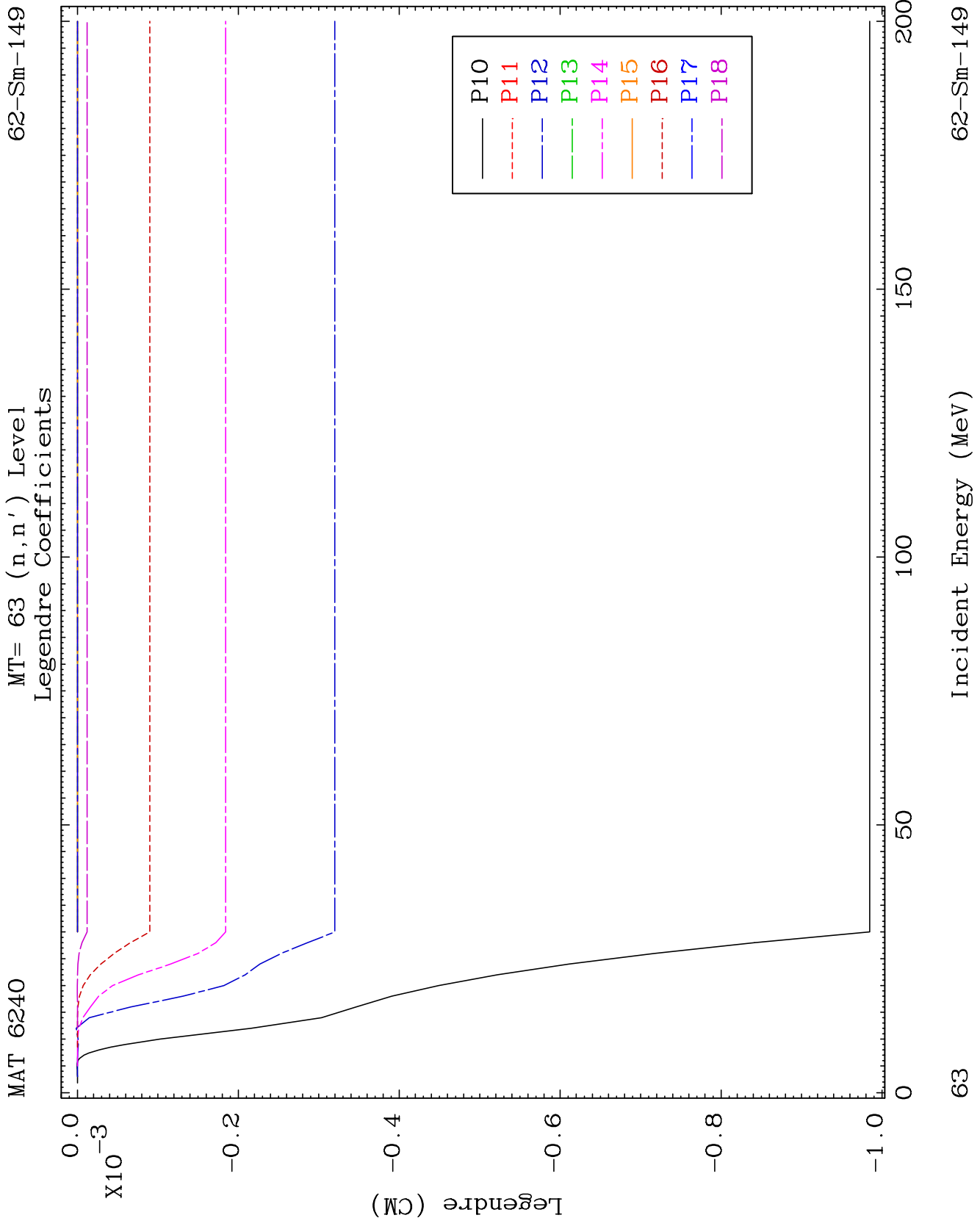
MAT 6240

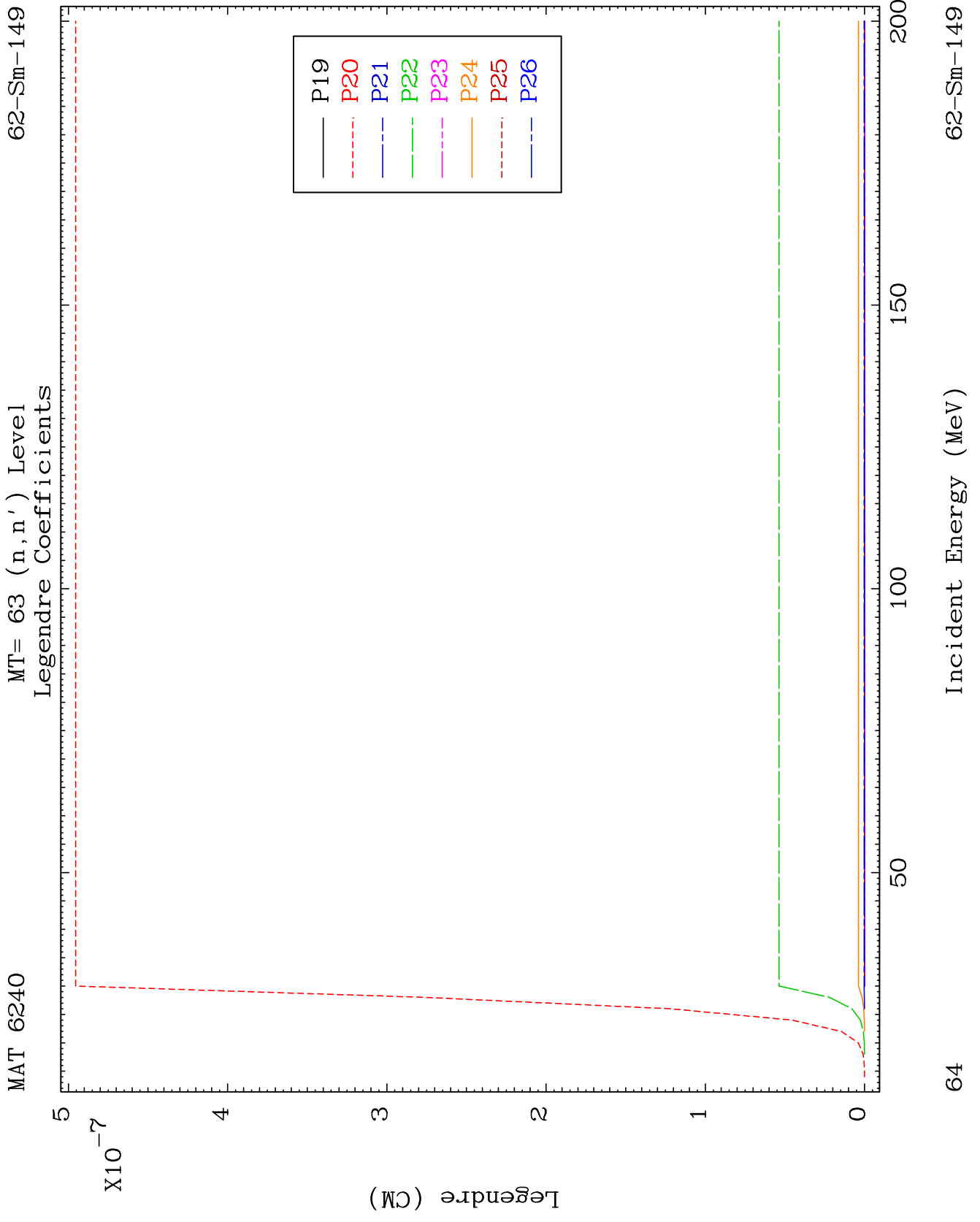
MT= 62 (n,n') Level
Legendre Coefficients

62-Sm-149







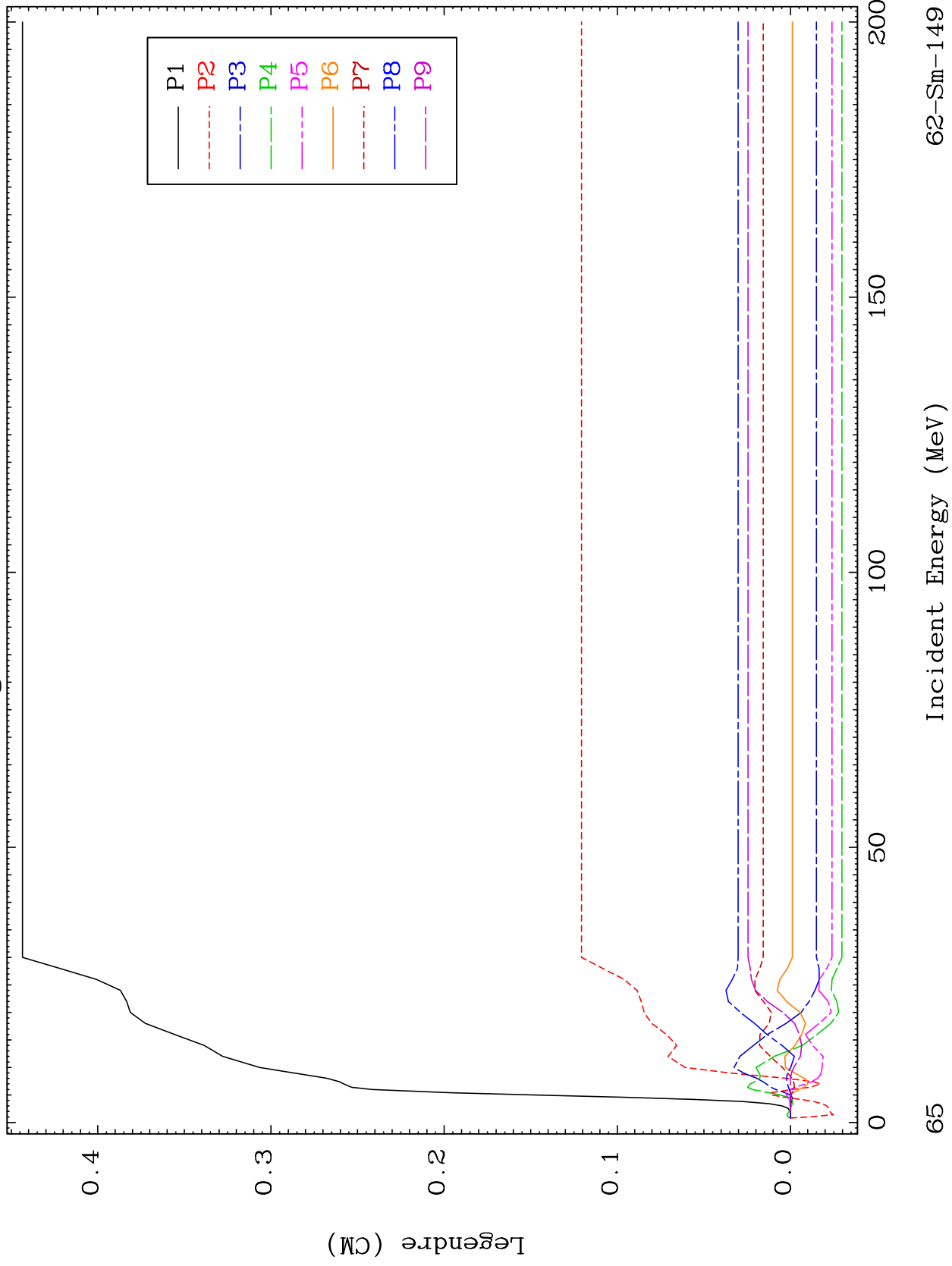


MAT 6240

MT= 64 (n,n') Level

62-Sm-149

Legendre Coefficients



65

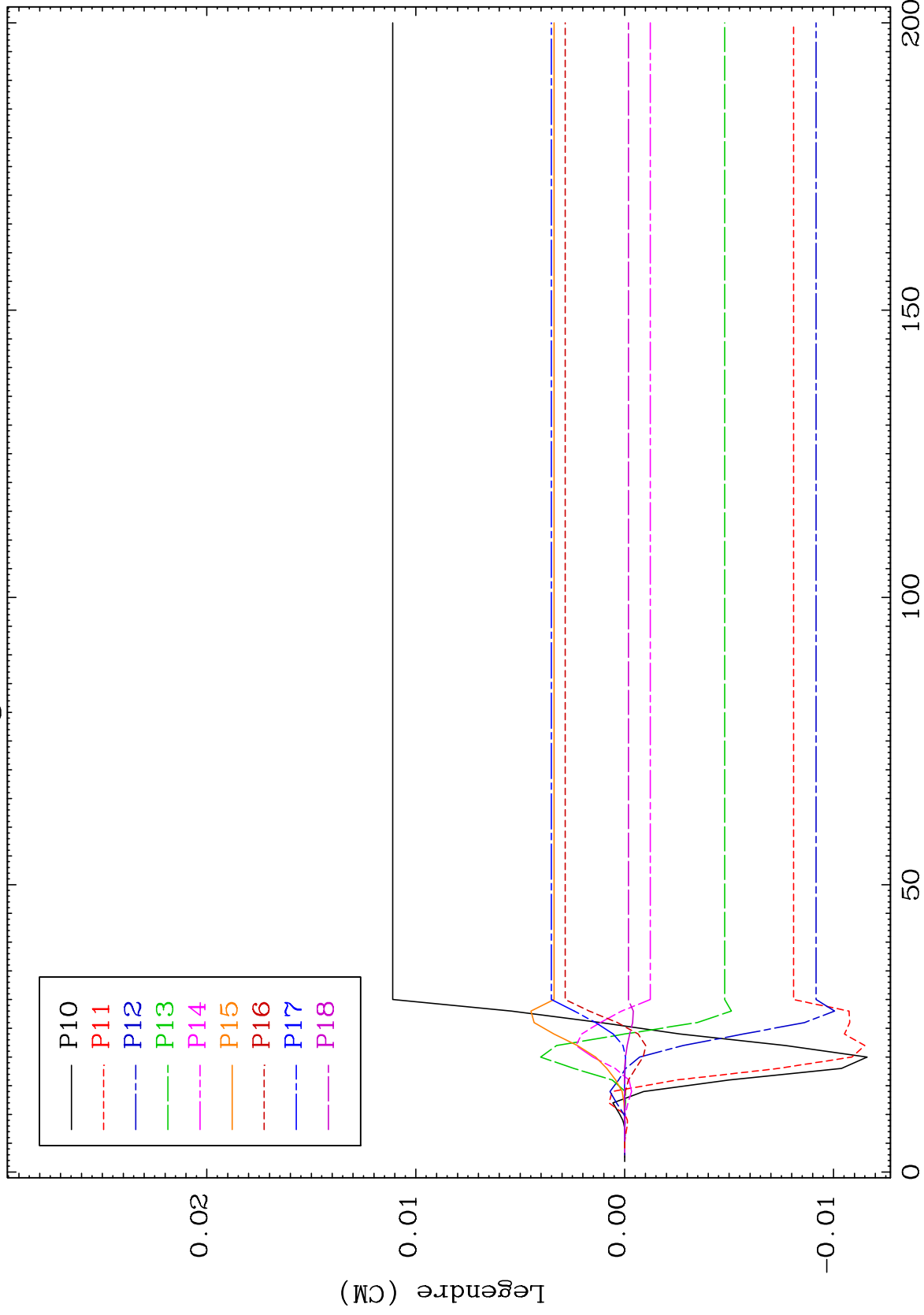
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



66

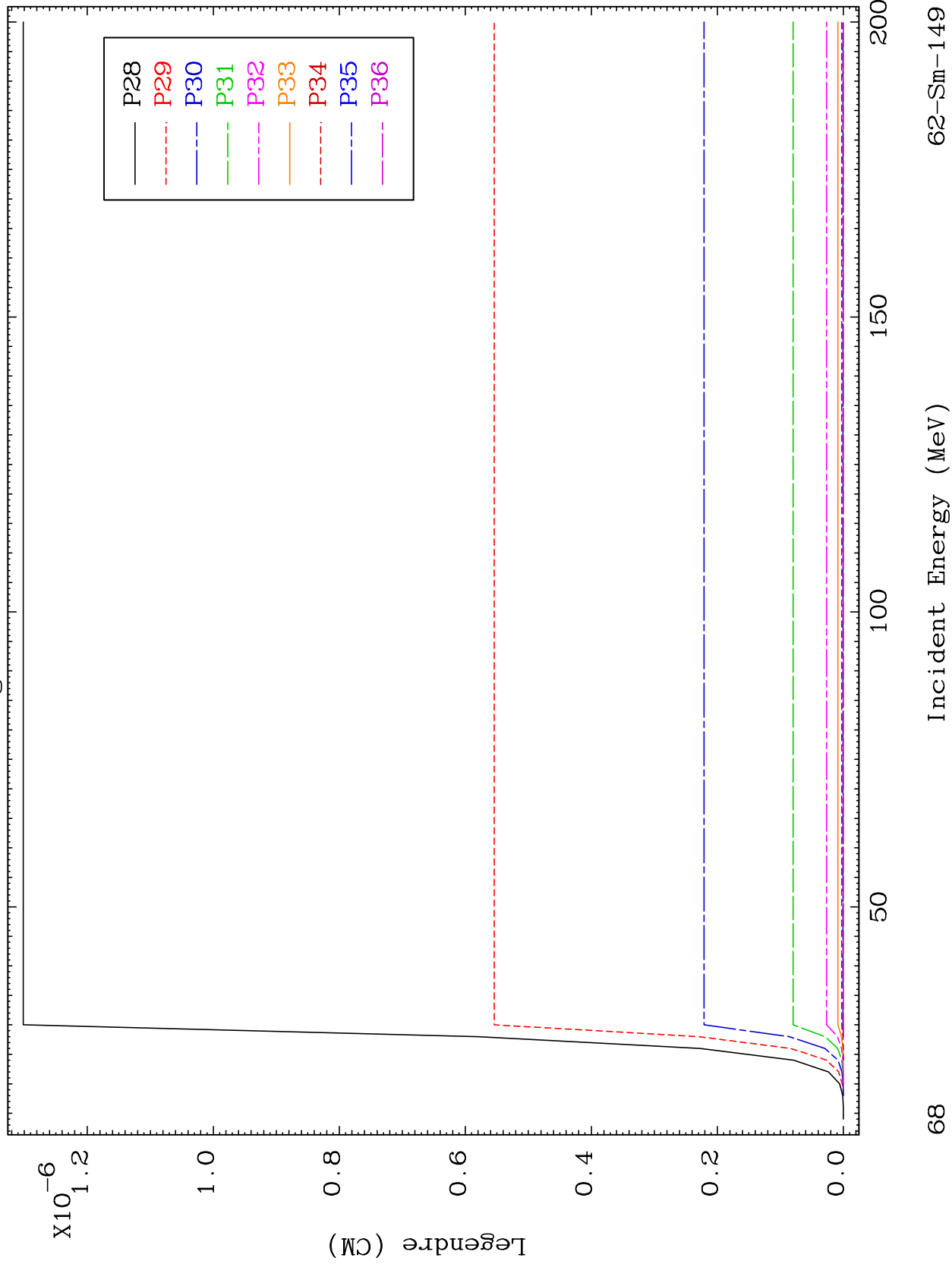
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

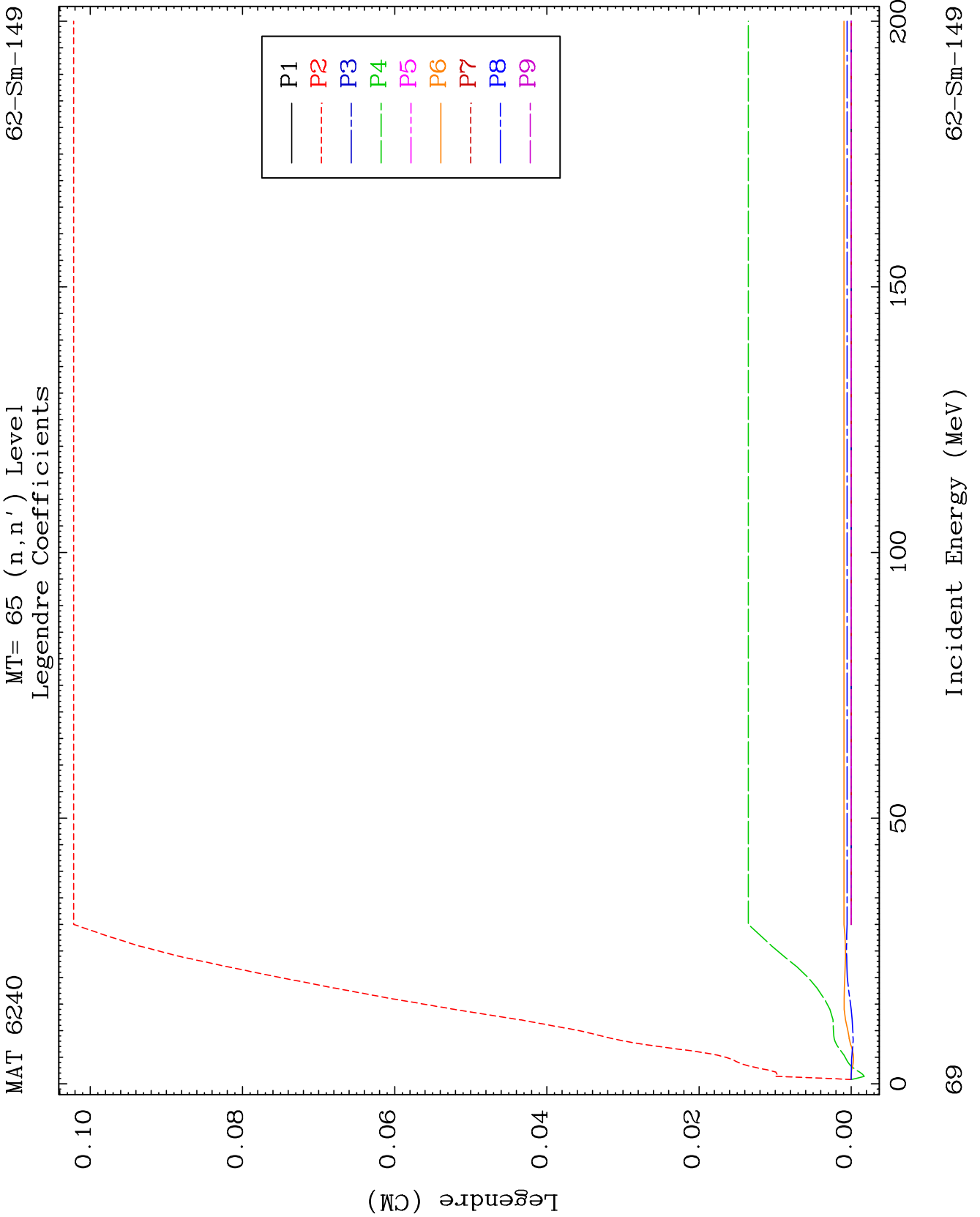
62-Sm-149

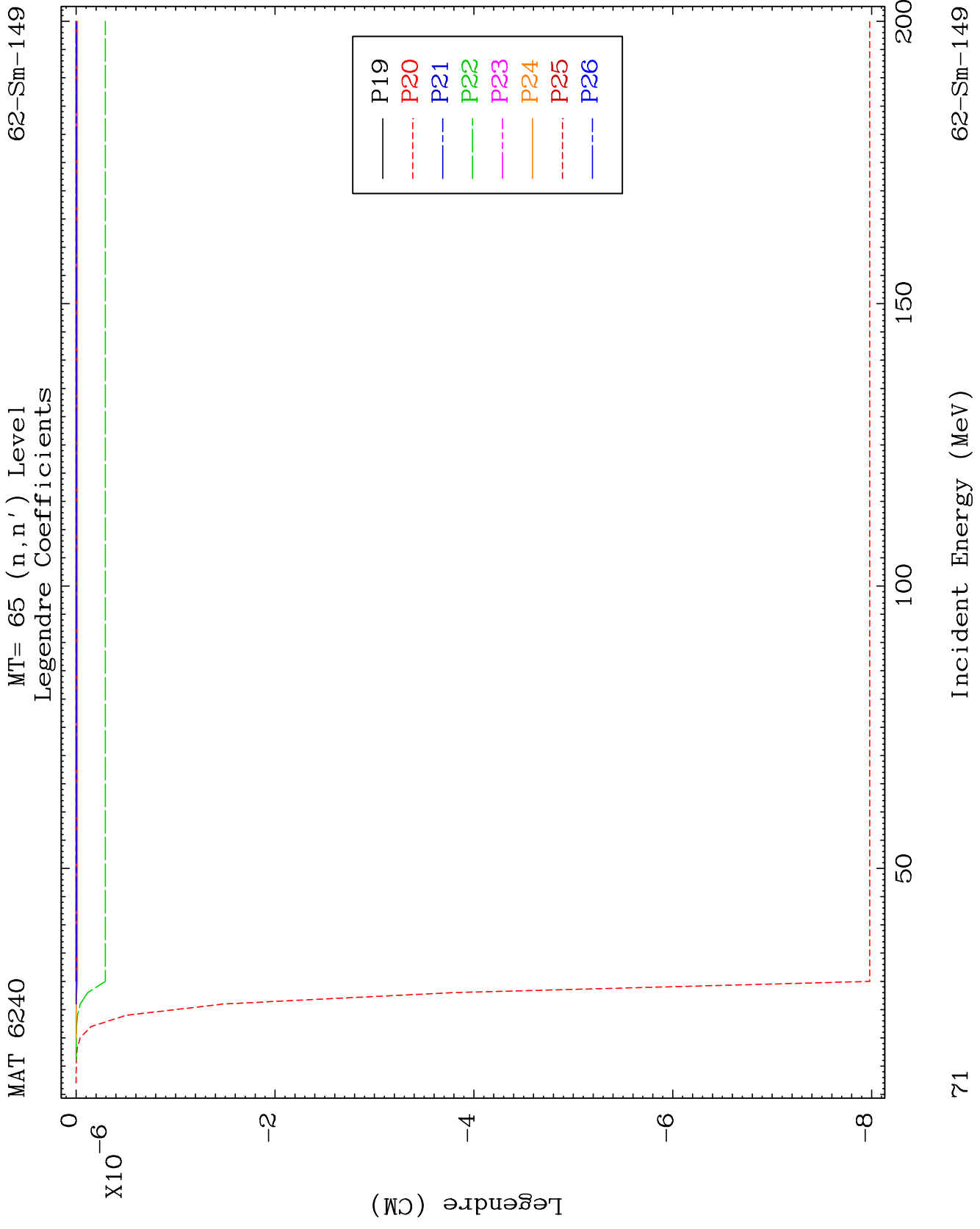


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Incident Energy (MeV)

62-Sm-149

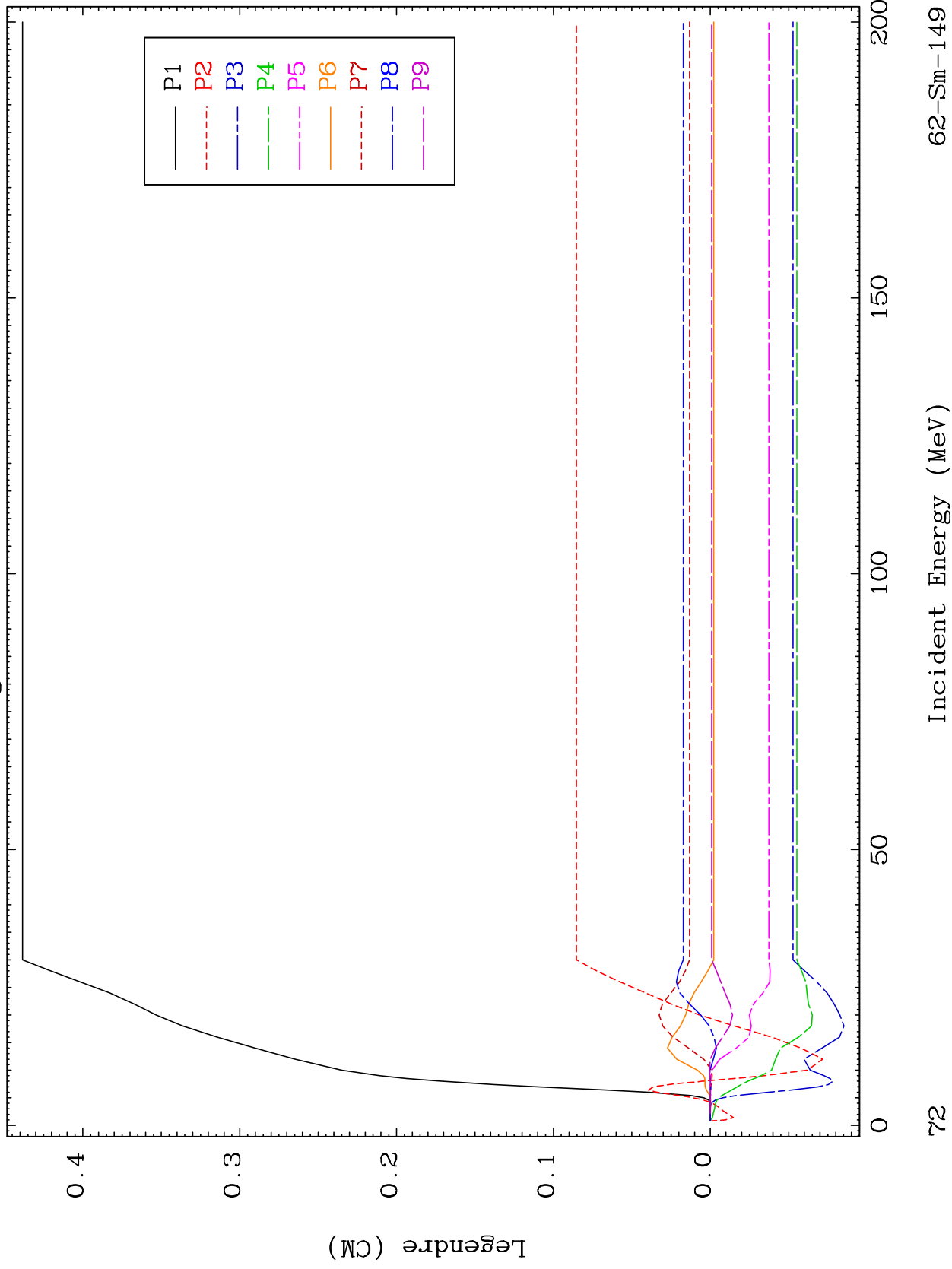




MAT 6240

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

62-Sm-149



62-Sm-149

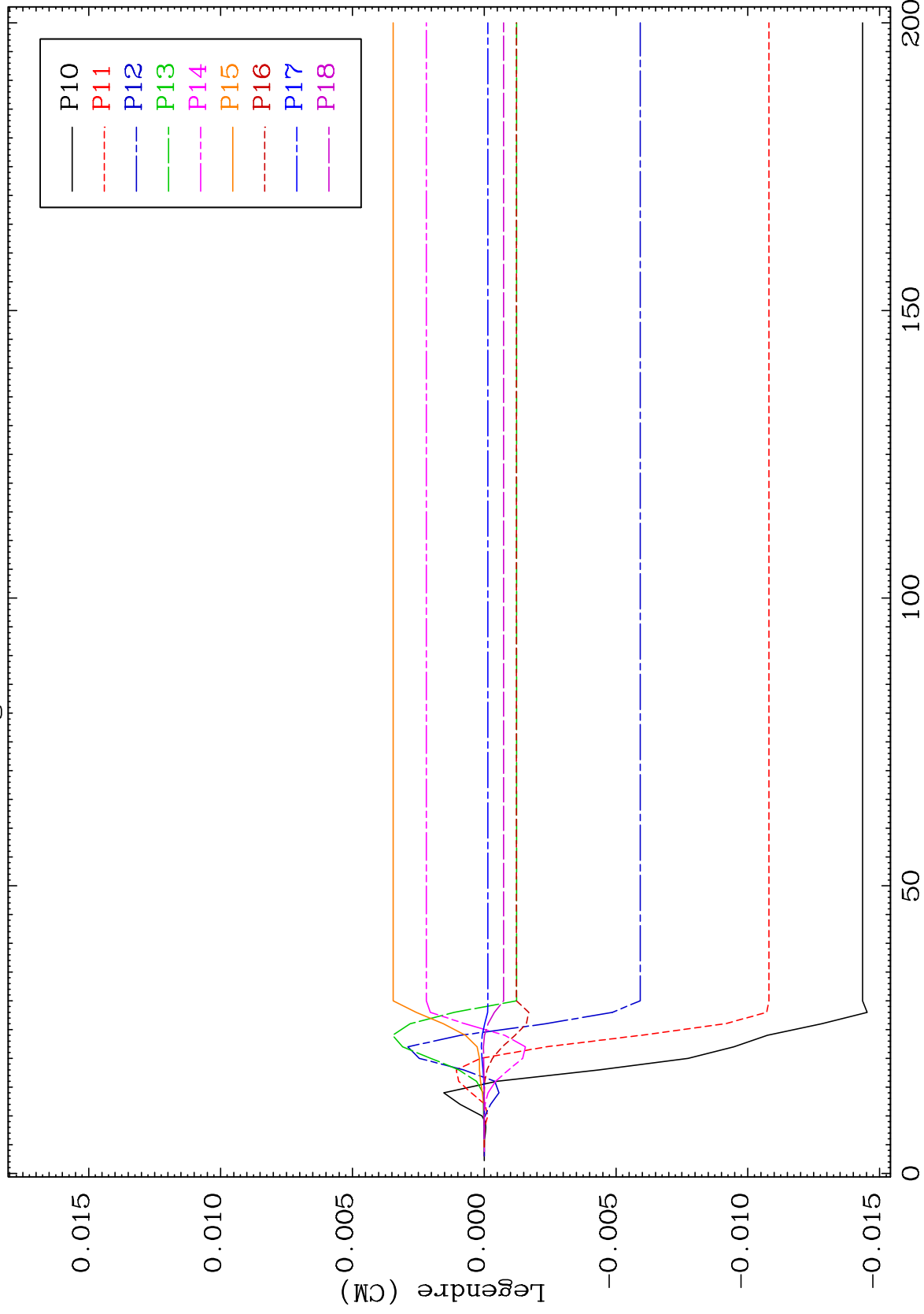
Incident Energy (MeV)

72

MAT 6240

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

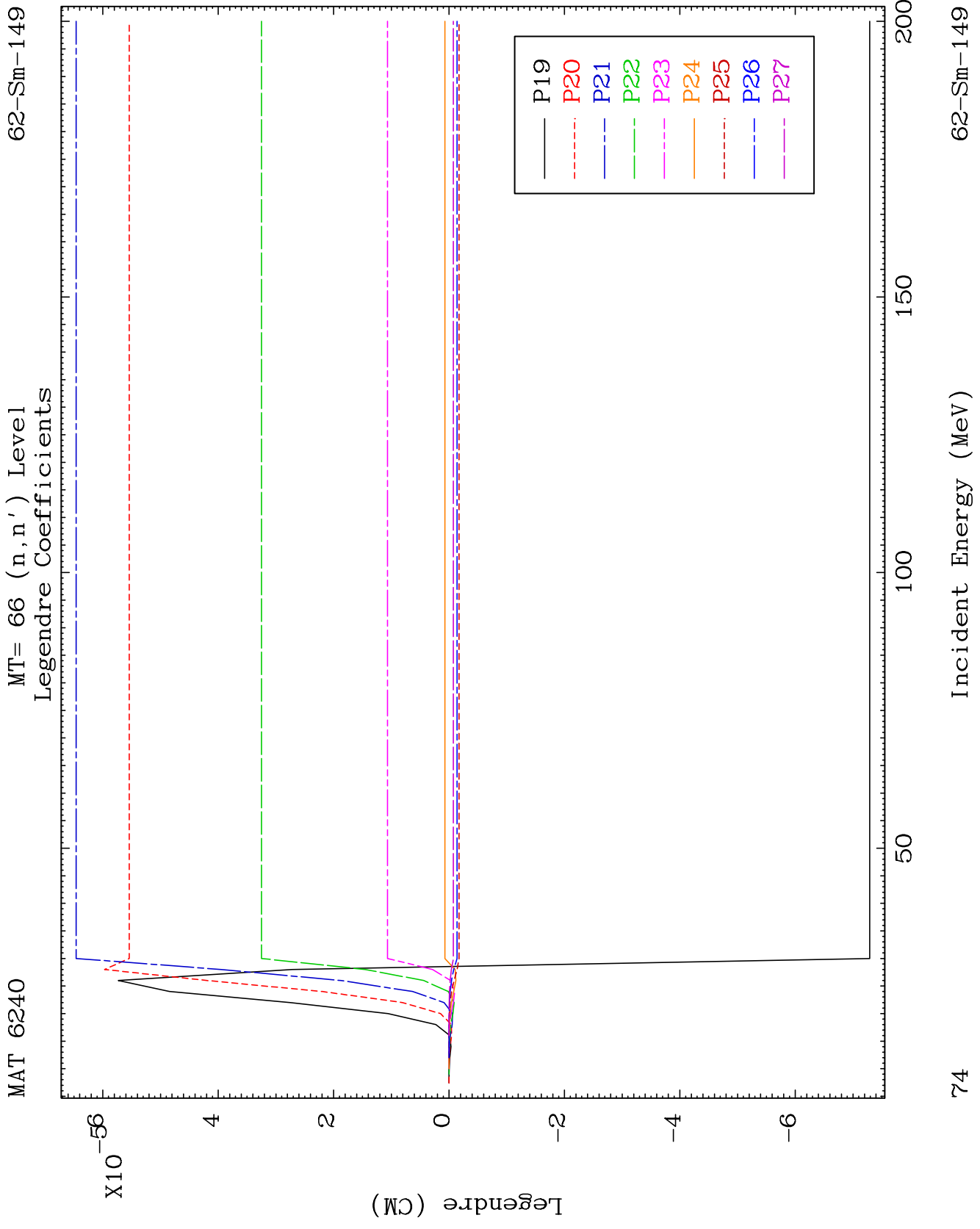
62-Sm-149

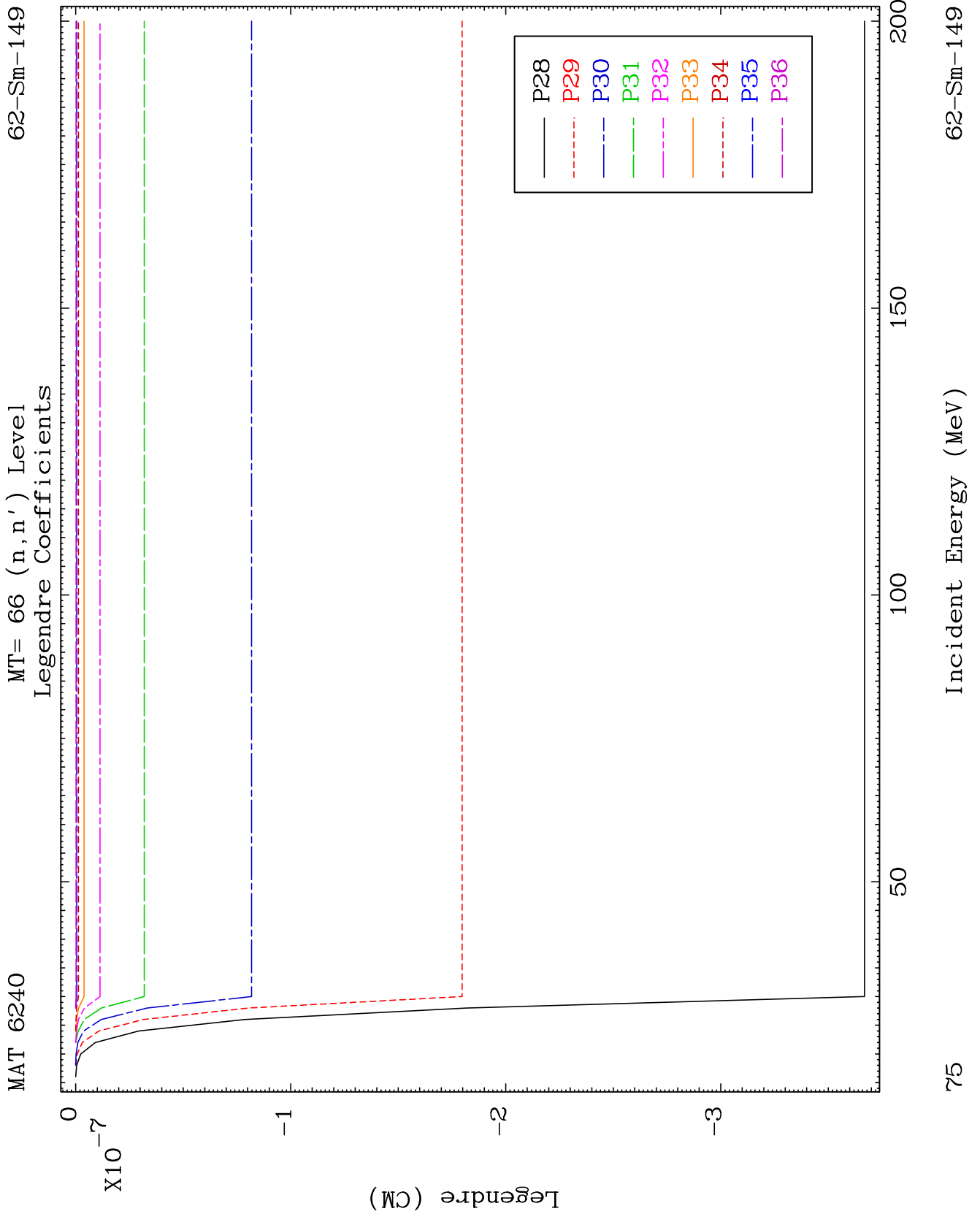


73

Incident Energy (MeV)

62-Sm-149

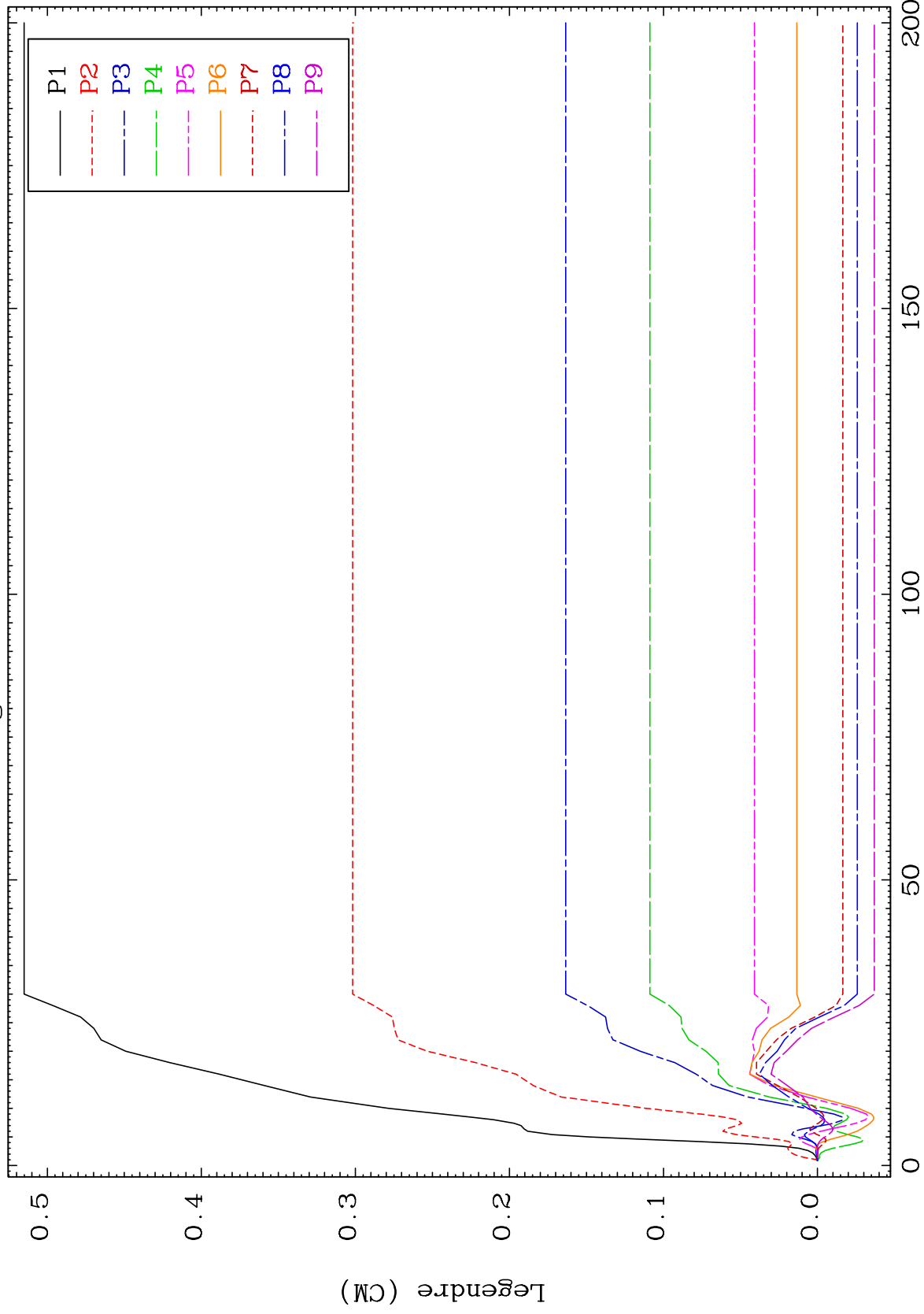




MAT 6240

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

62-Sm-149



76

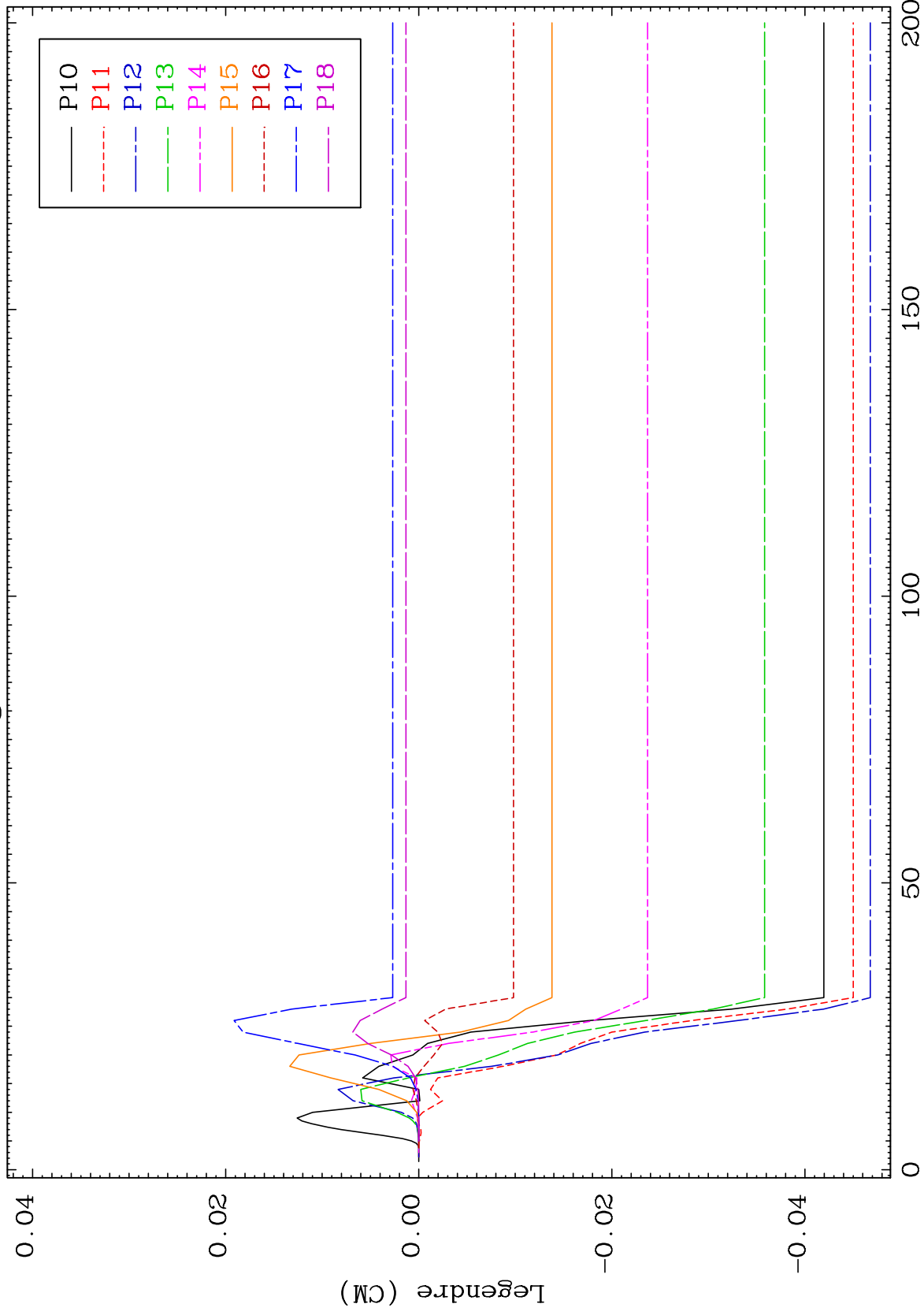
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



77

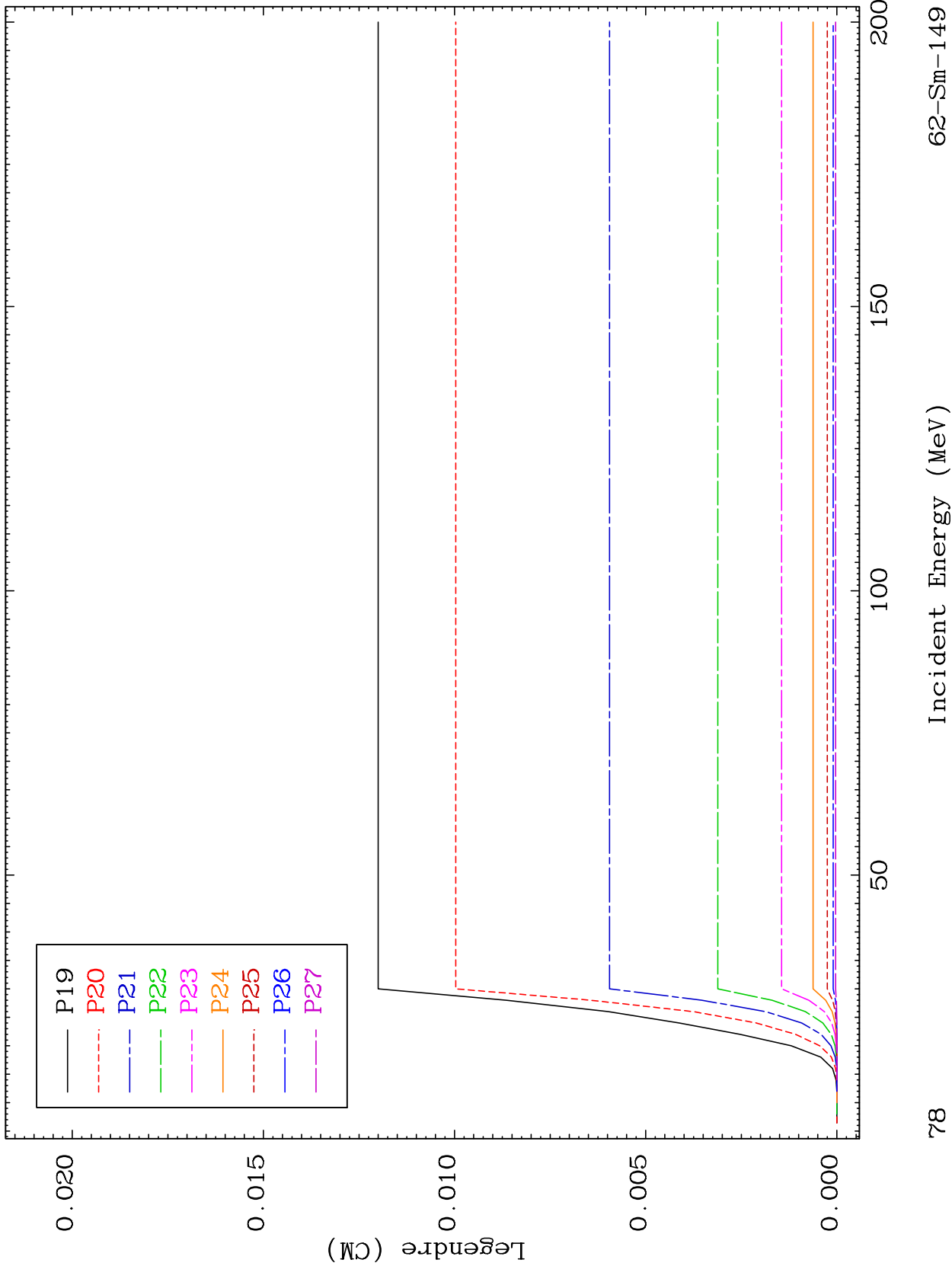
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



78

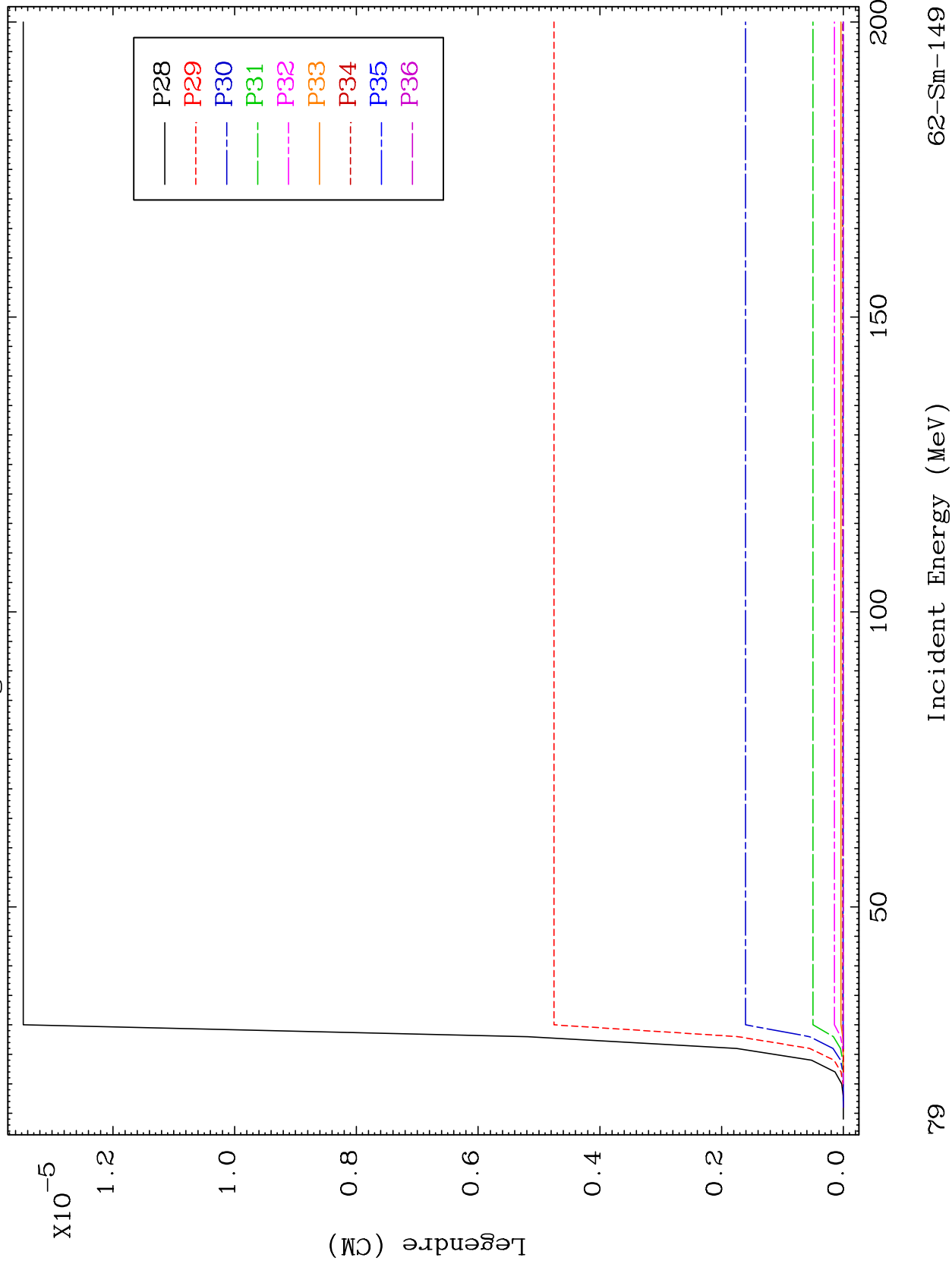
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

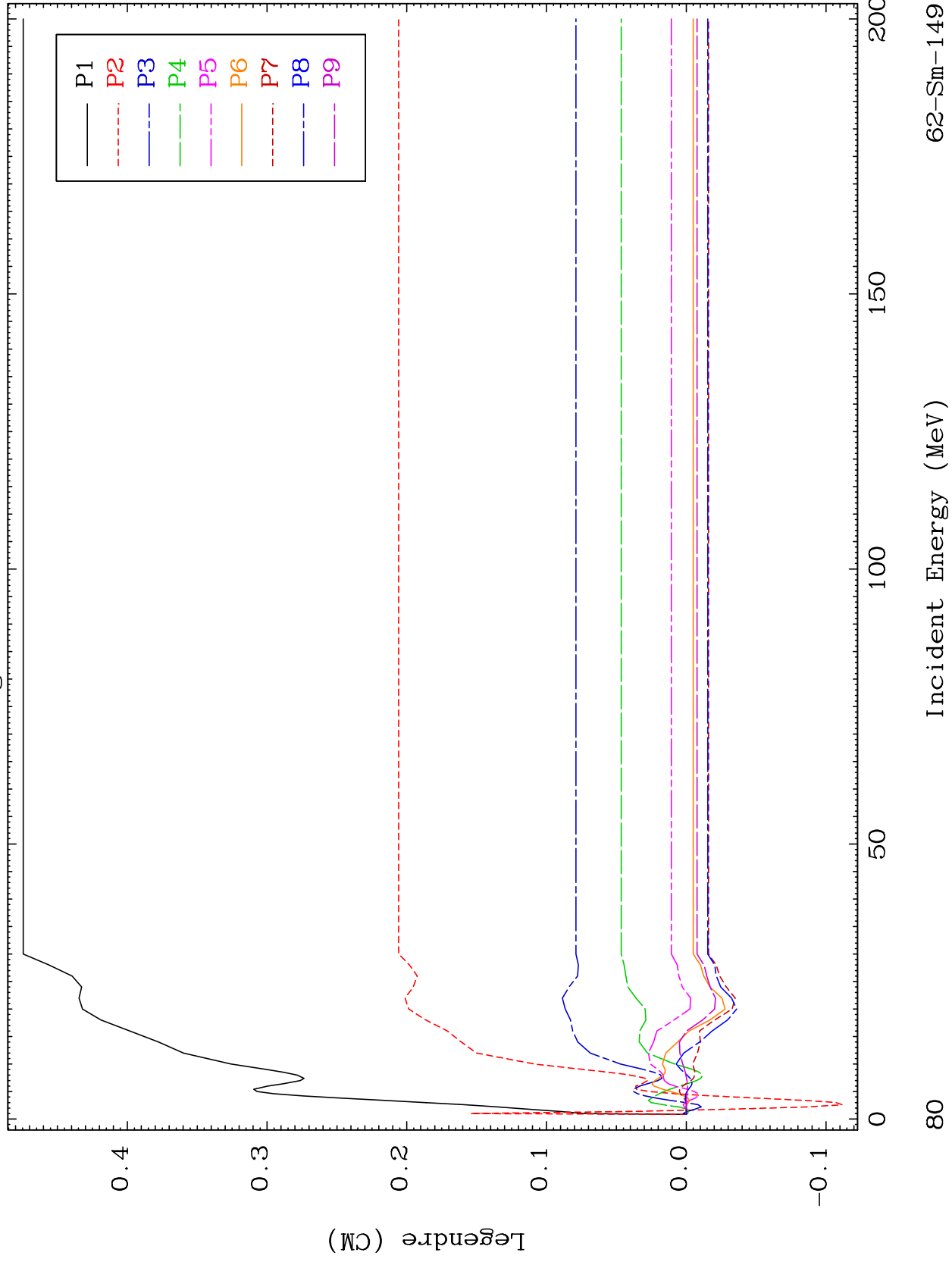
62-Sm-149



MAT 6240

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

62-Sm-149



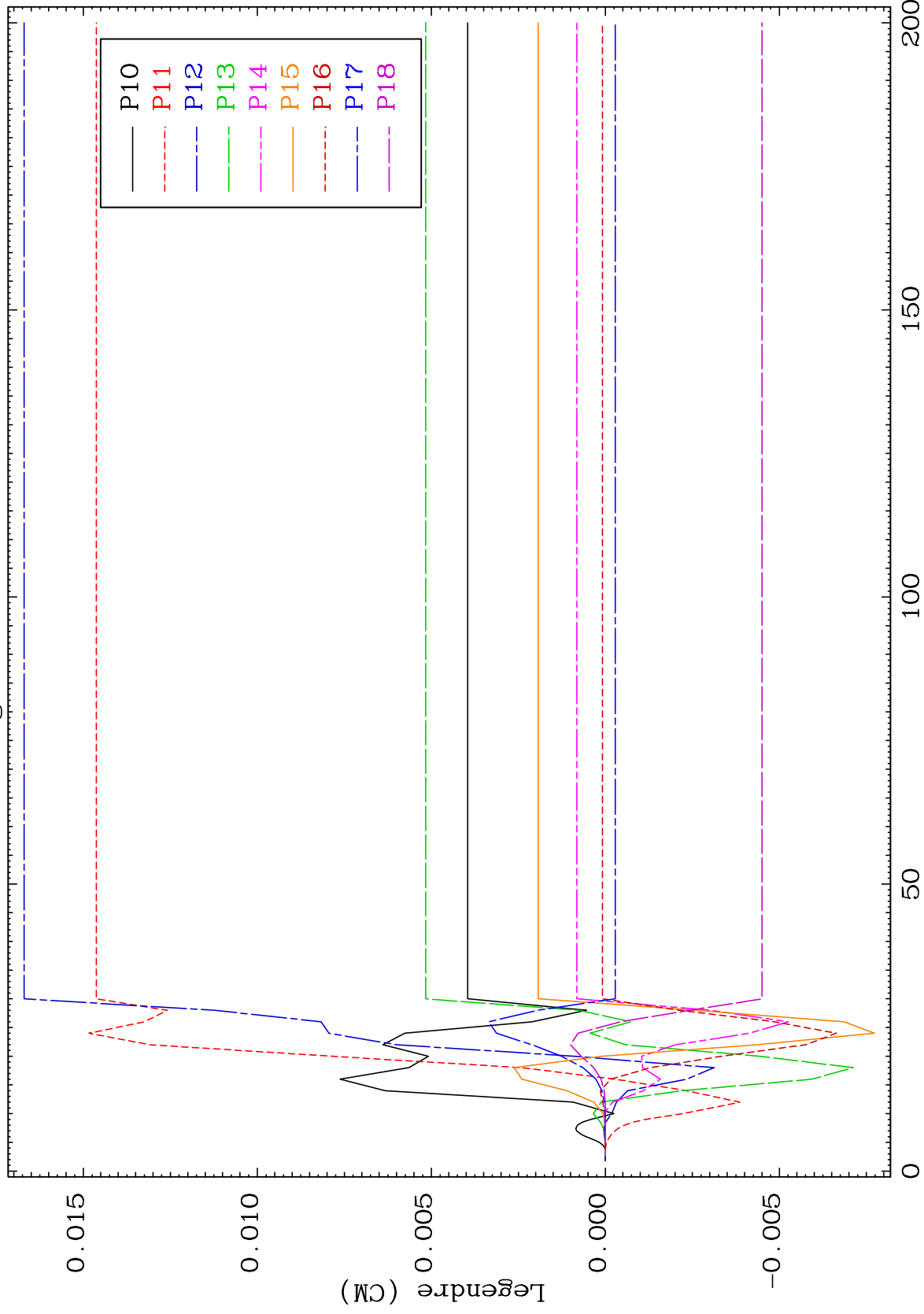
62-Sm-149

Incident Energy (MeV)

MAT 6240

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

62-Sm-149



81

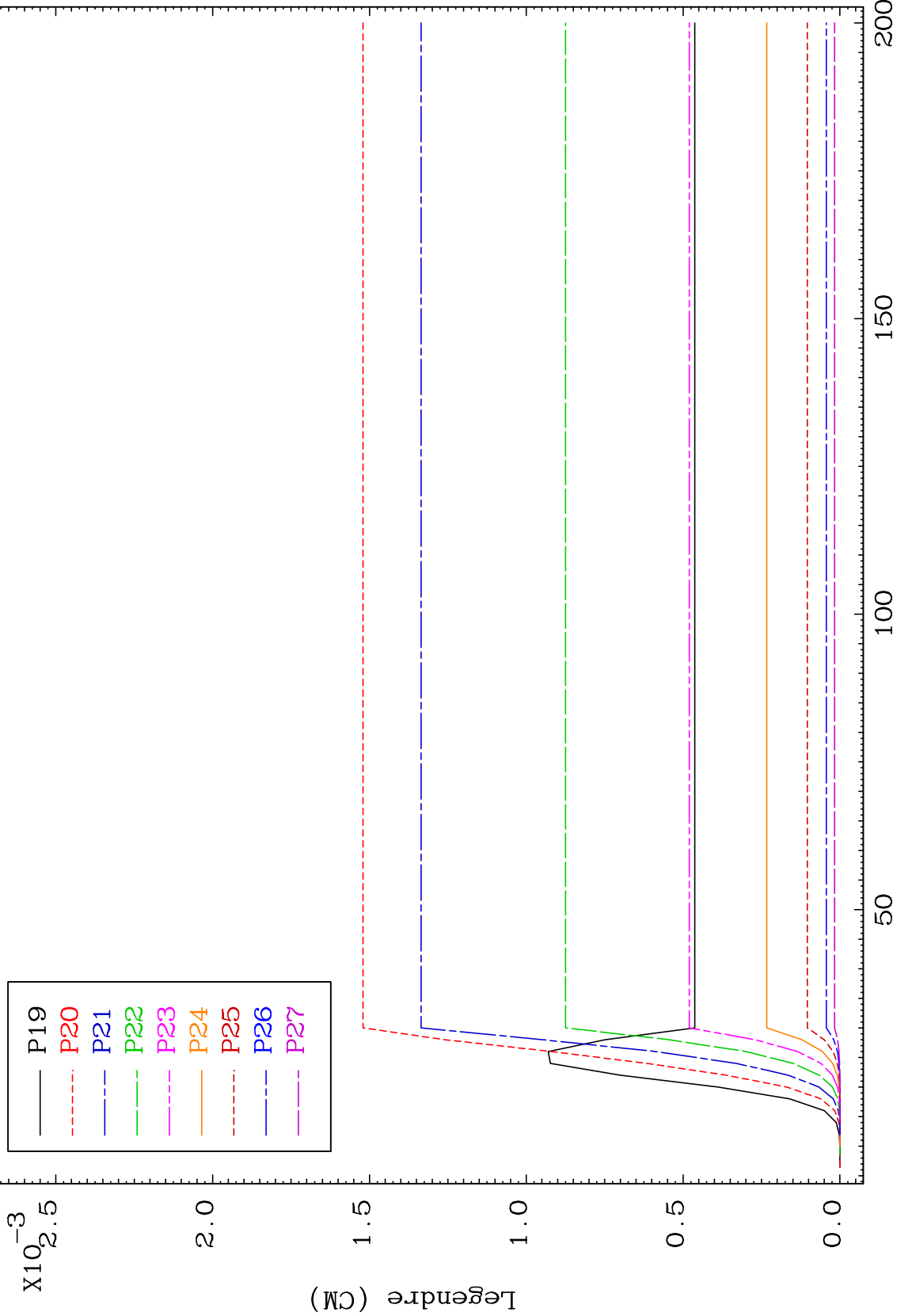
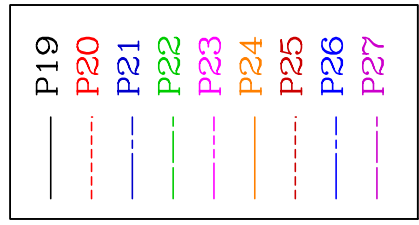
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



82

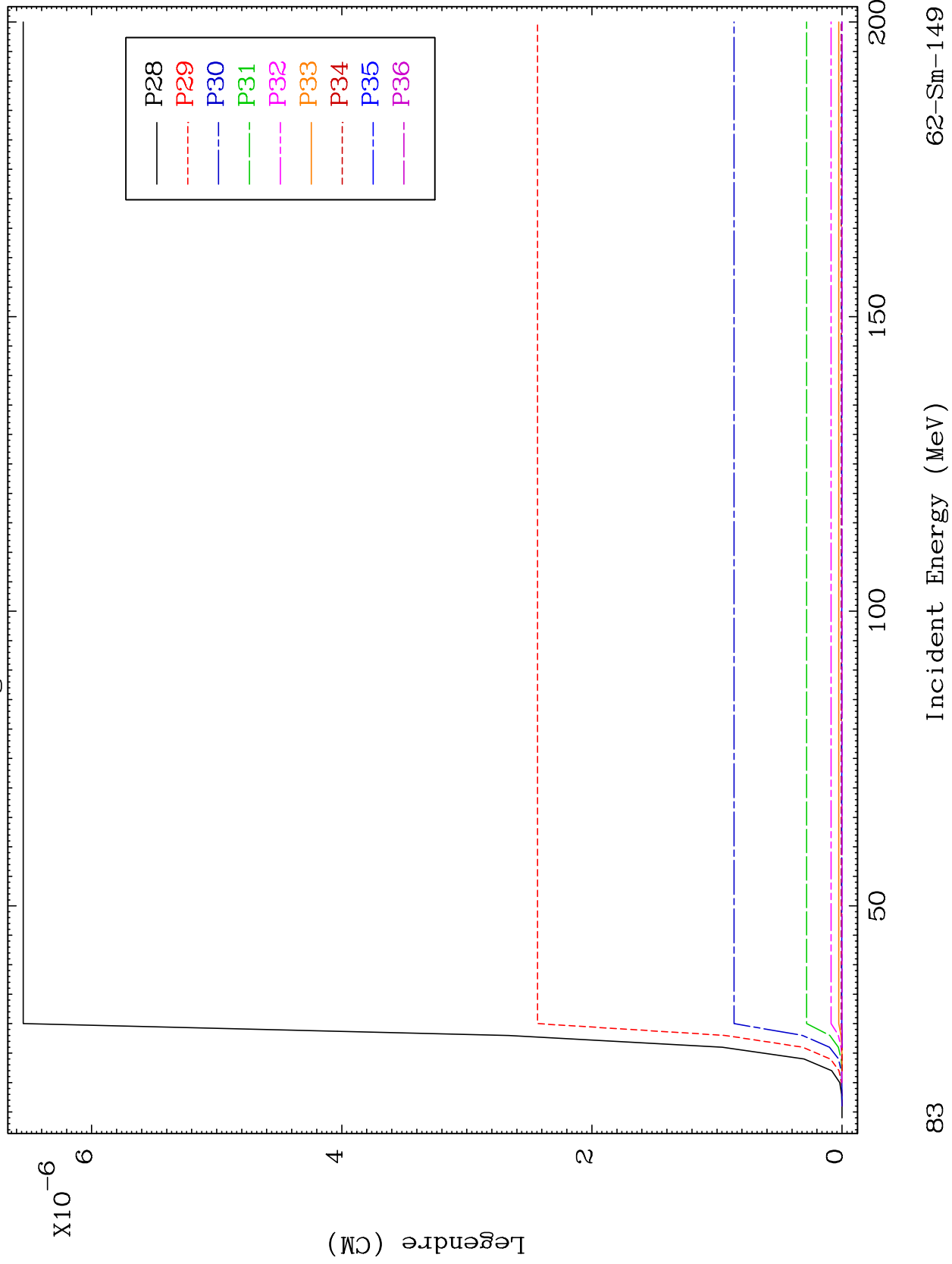
Incident Energy (MeV)

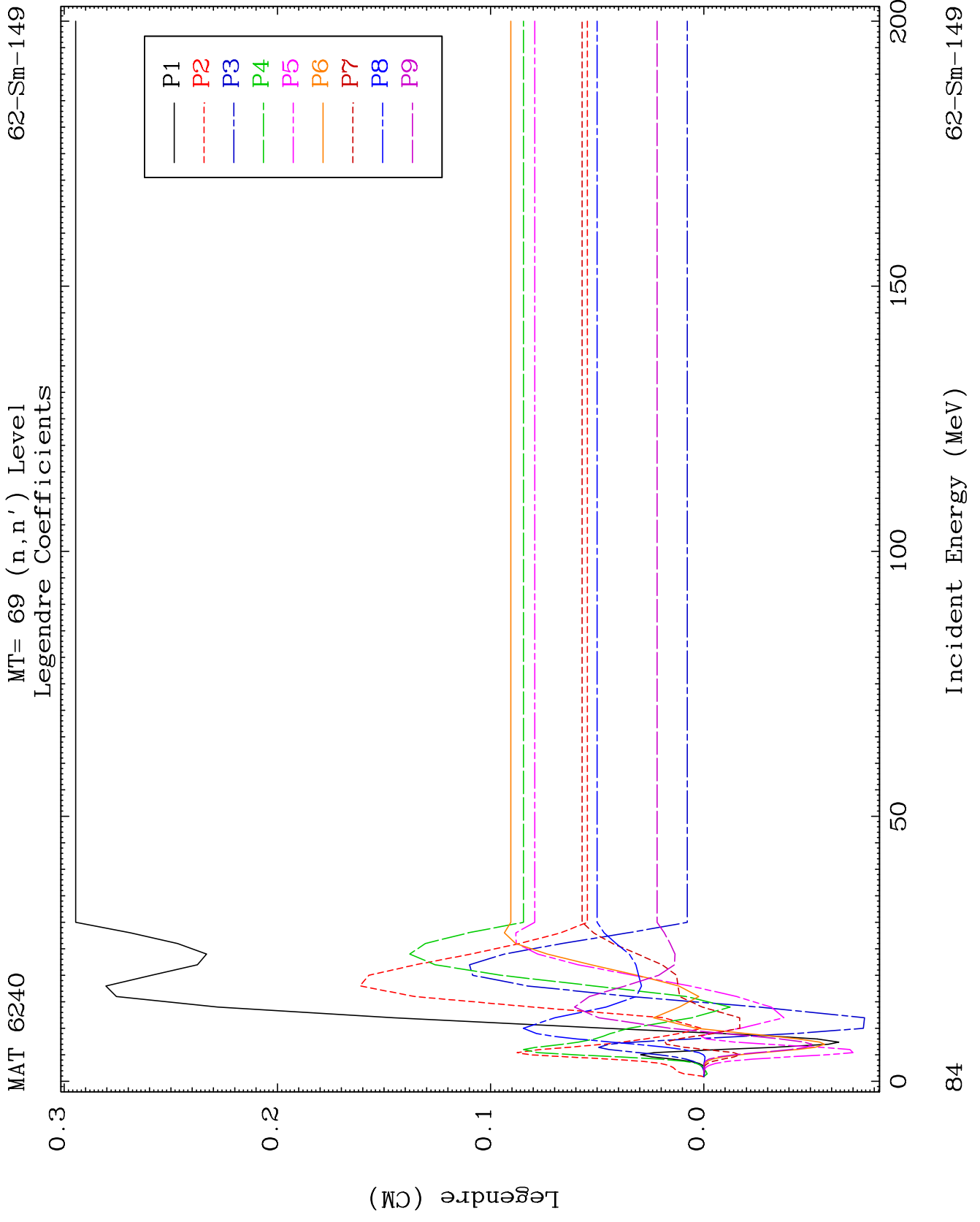
62-Sm-149

MAT 6240

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

62-Sm-149

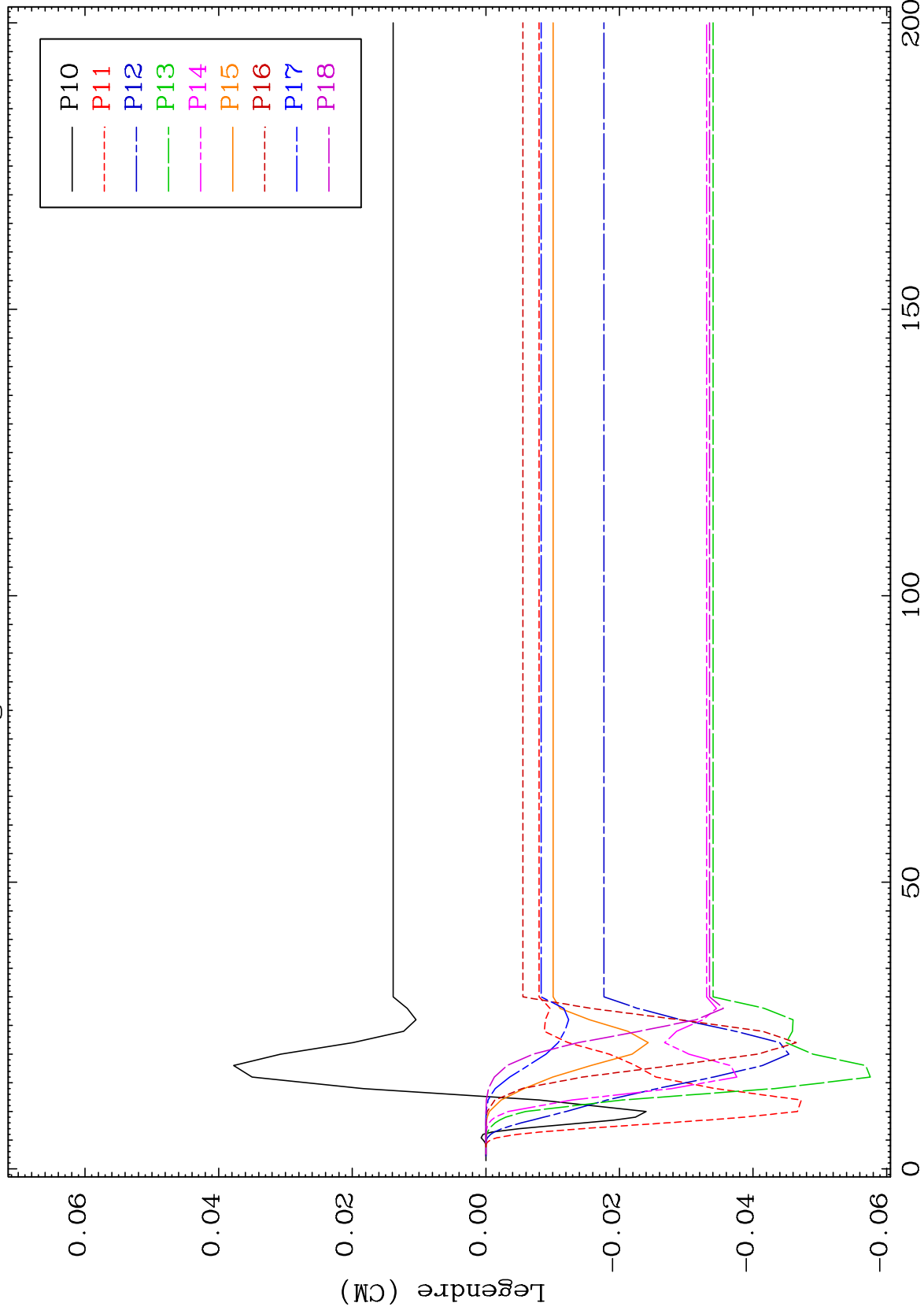




MAT 6240

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

62-Sm-149



85

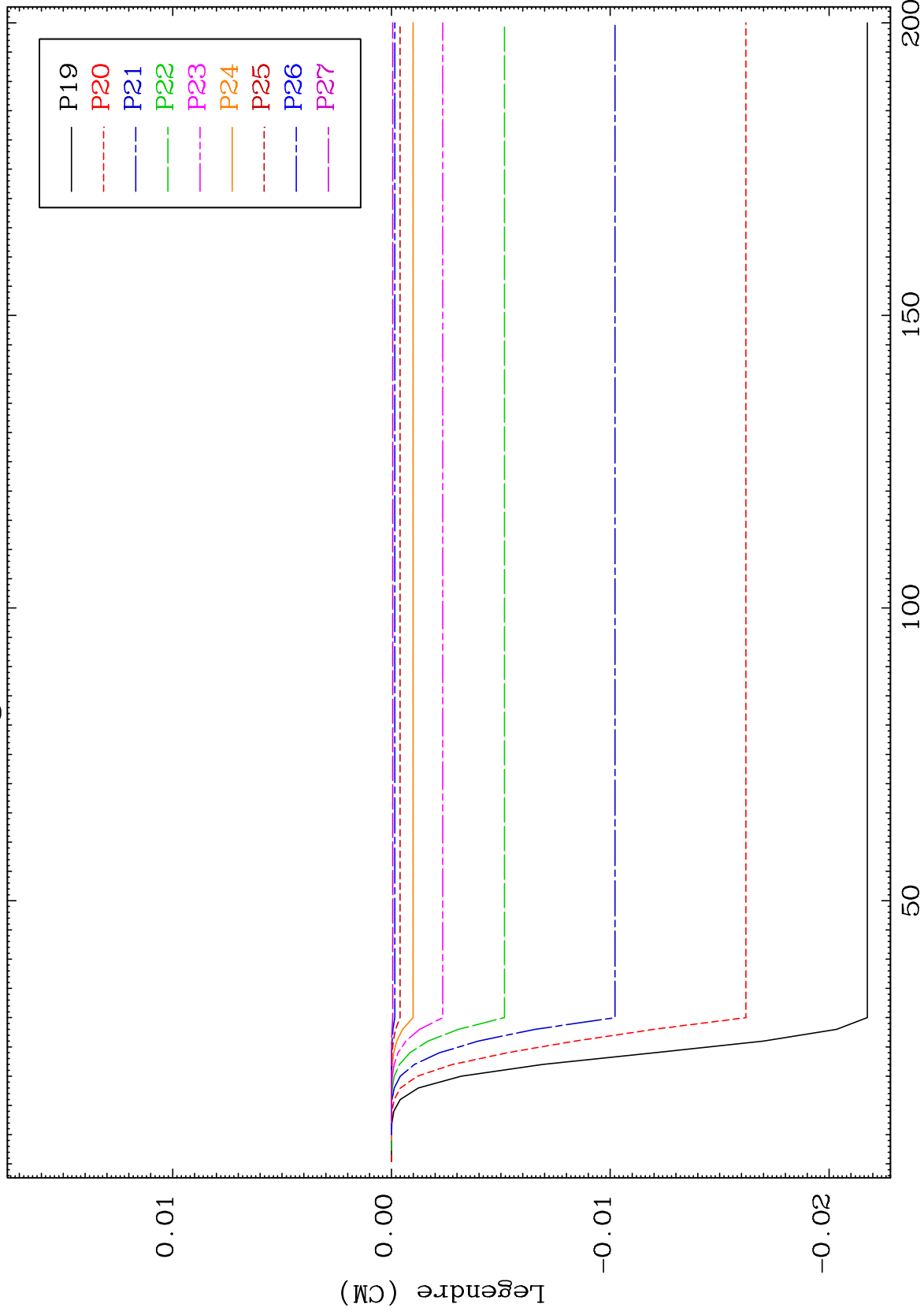
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

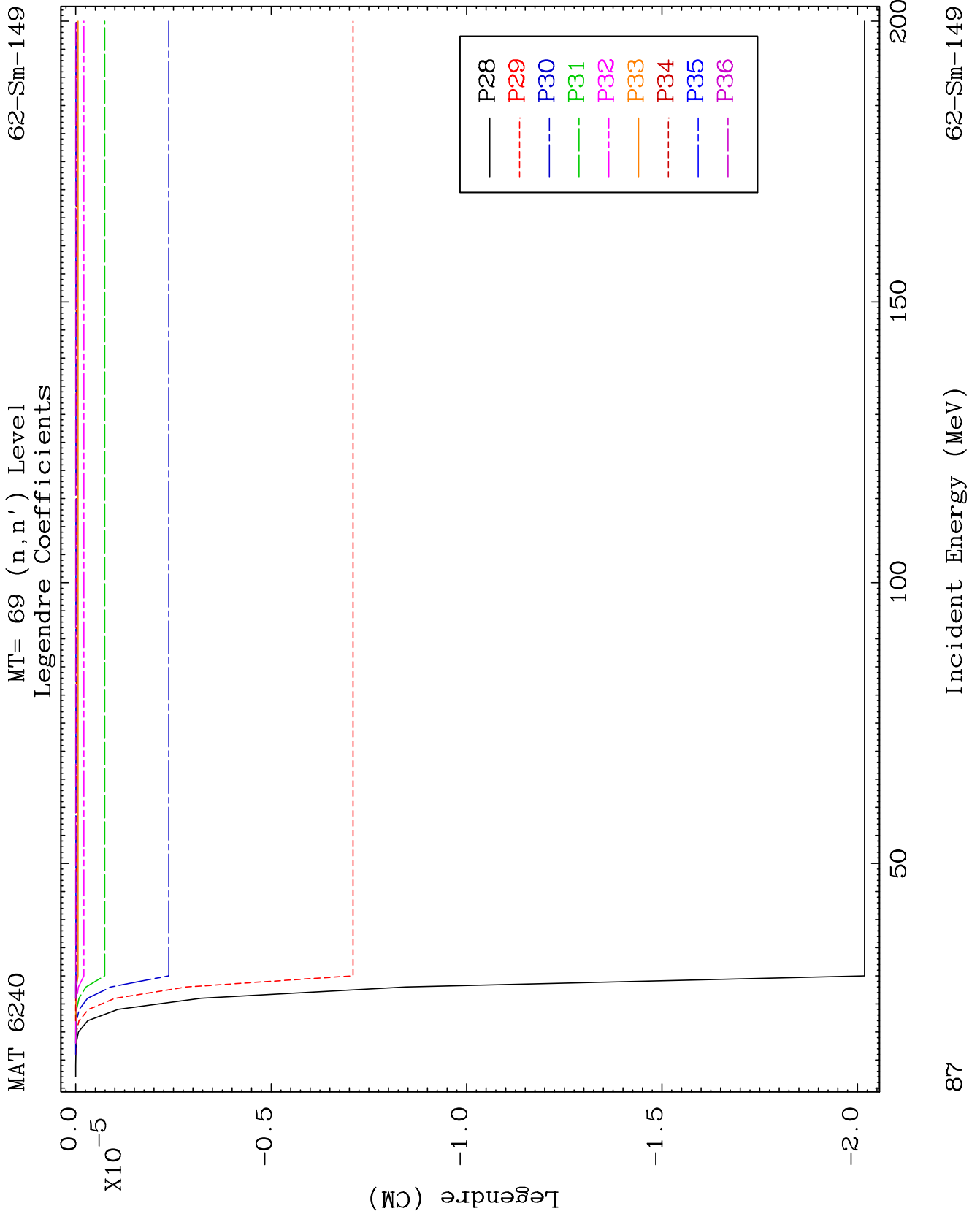
62-Sm-149



86

Incident Energy (MeV)

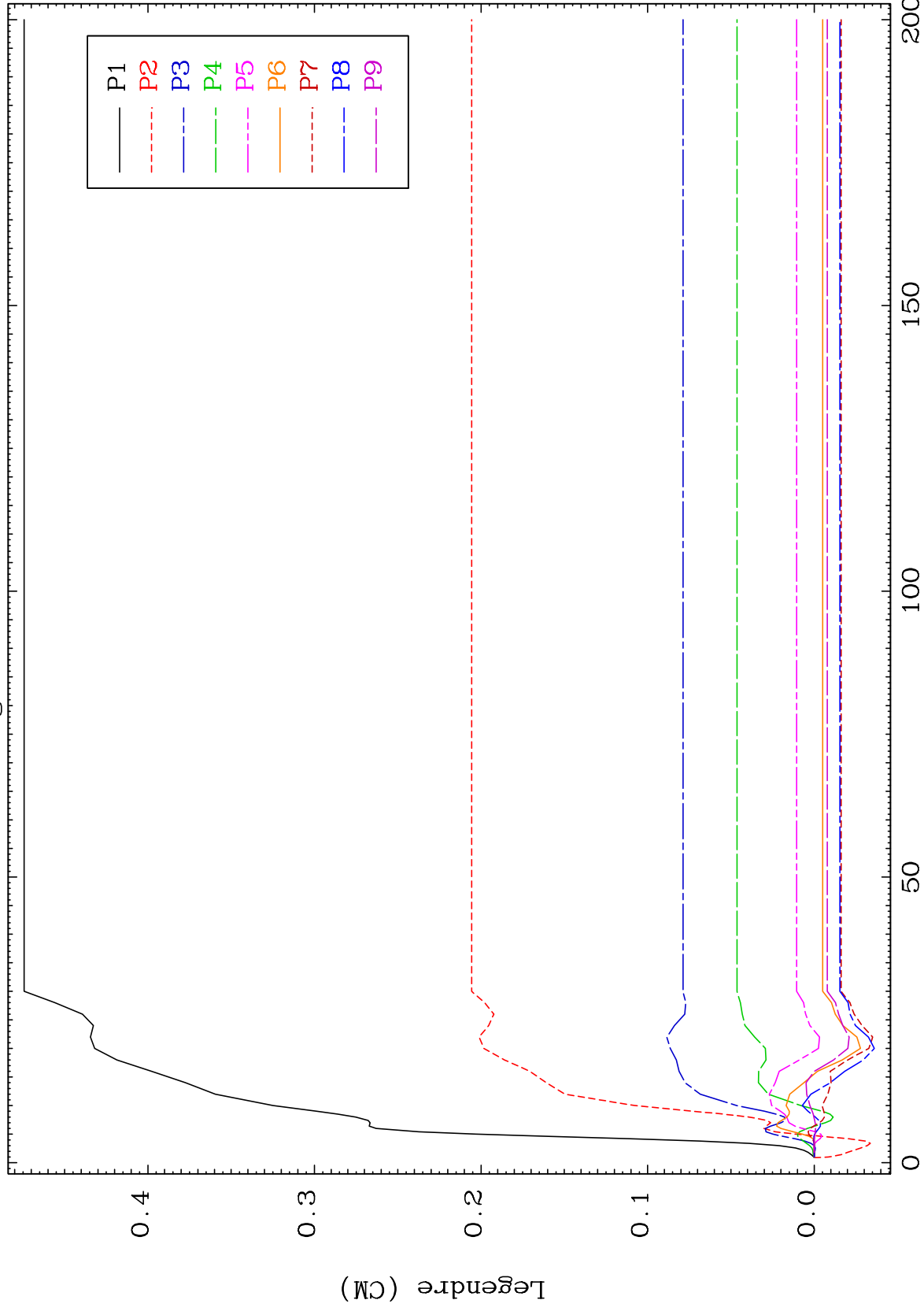
62-Sm-149



MAT 6240

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

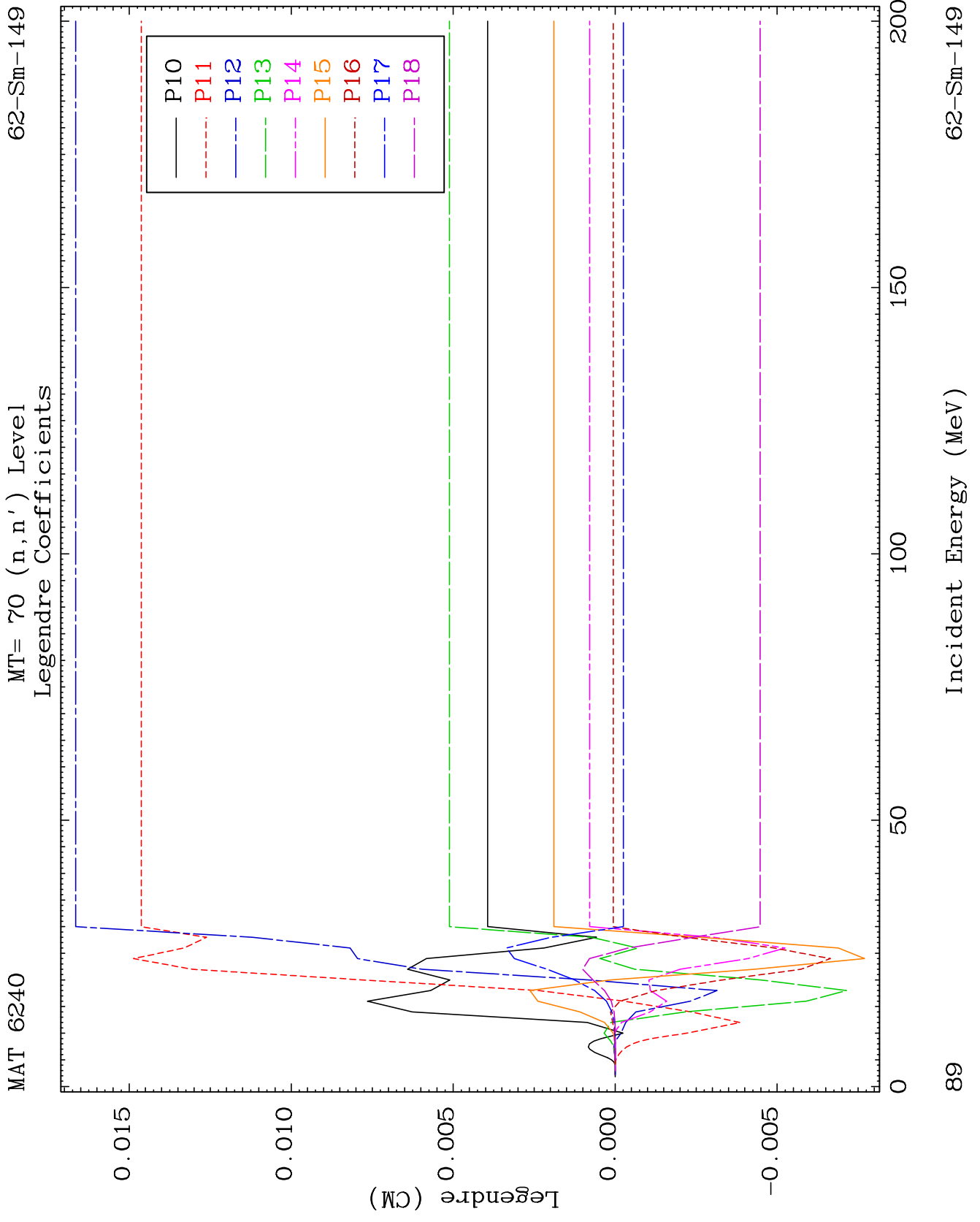
62-Sm-149



88

Incident Energy (MeV)

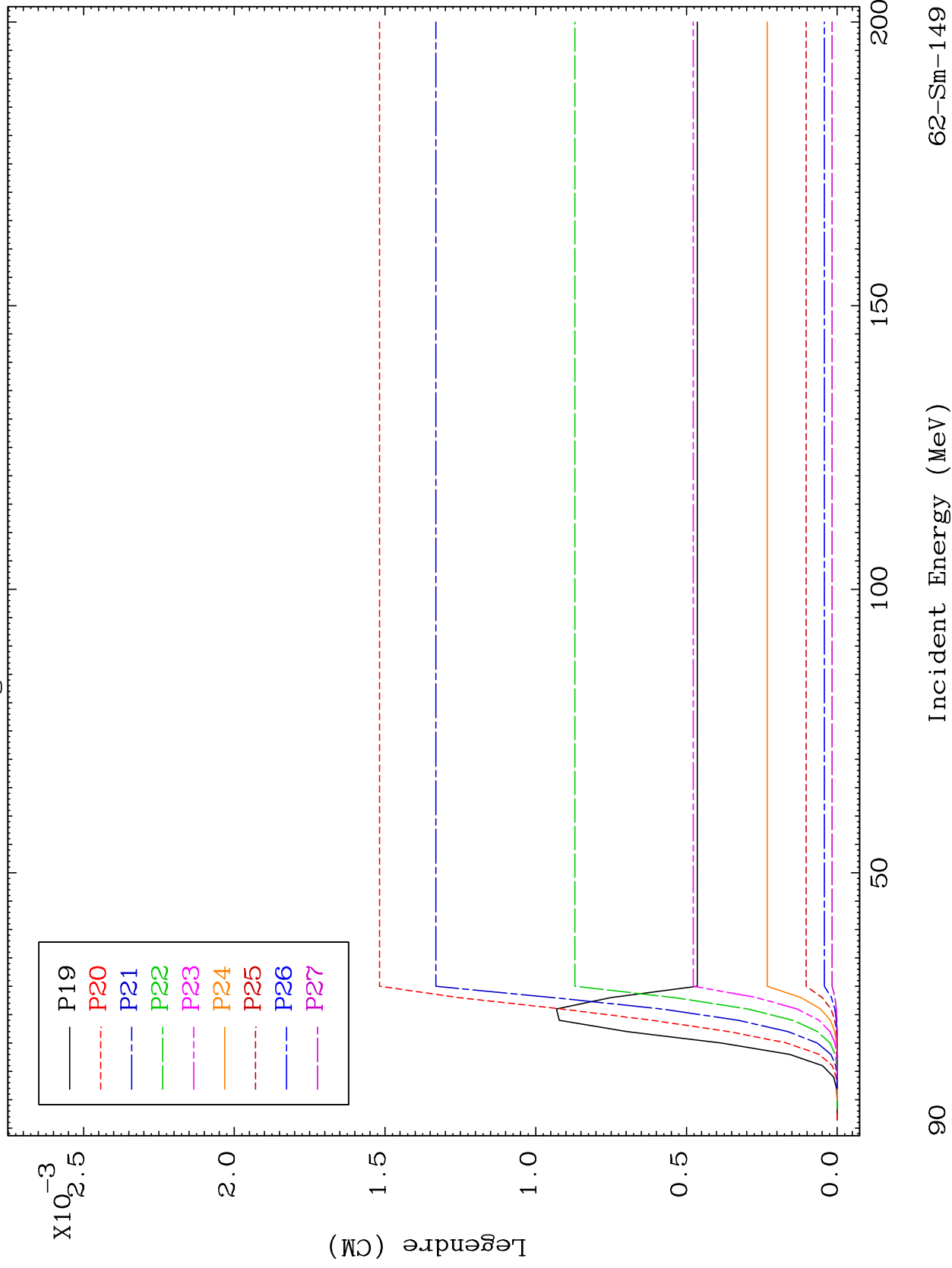
62-Sm-149



MAT 6240

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

62-Sm-149



90

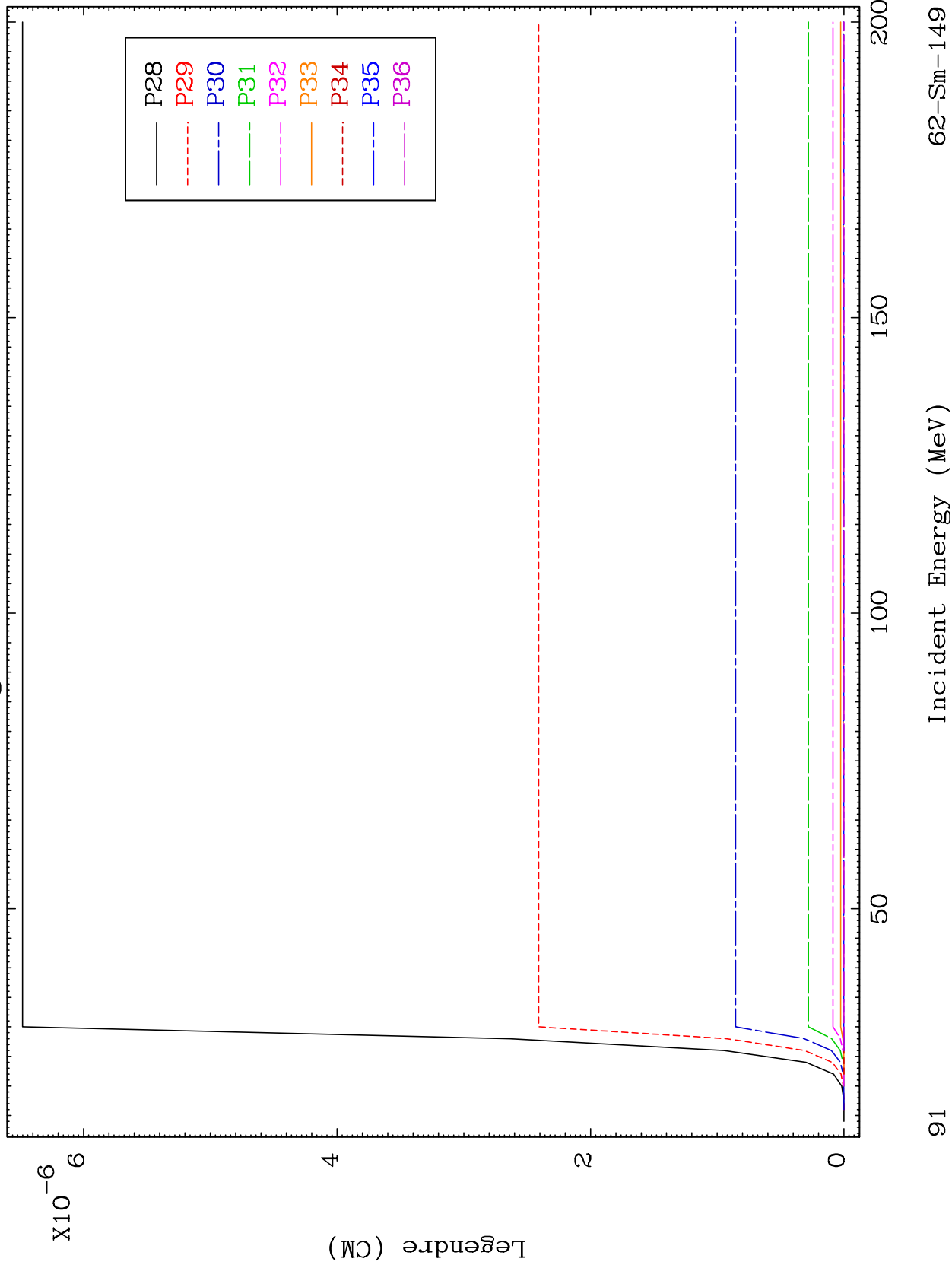
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

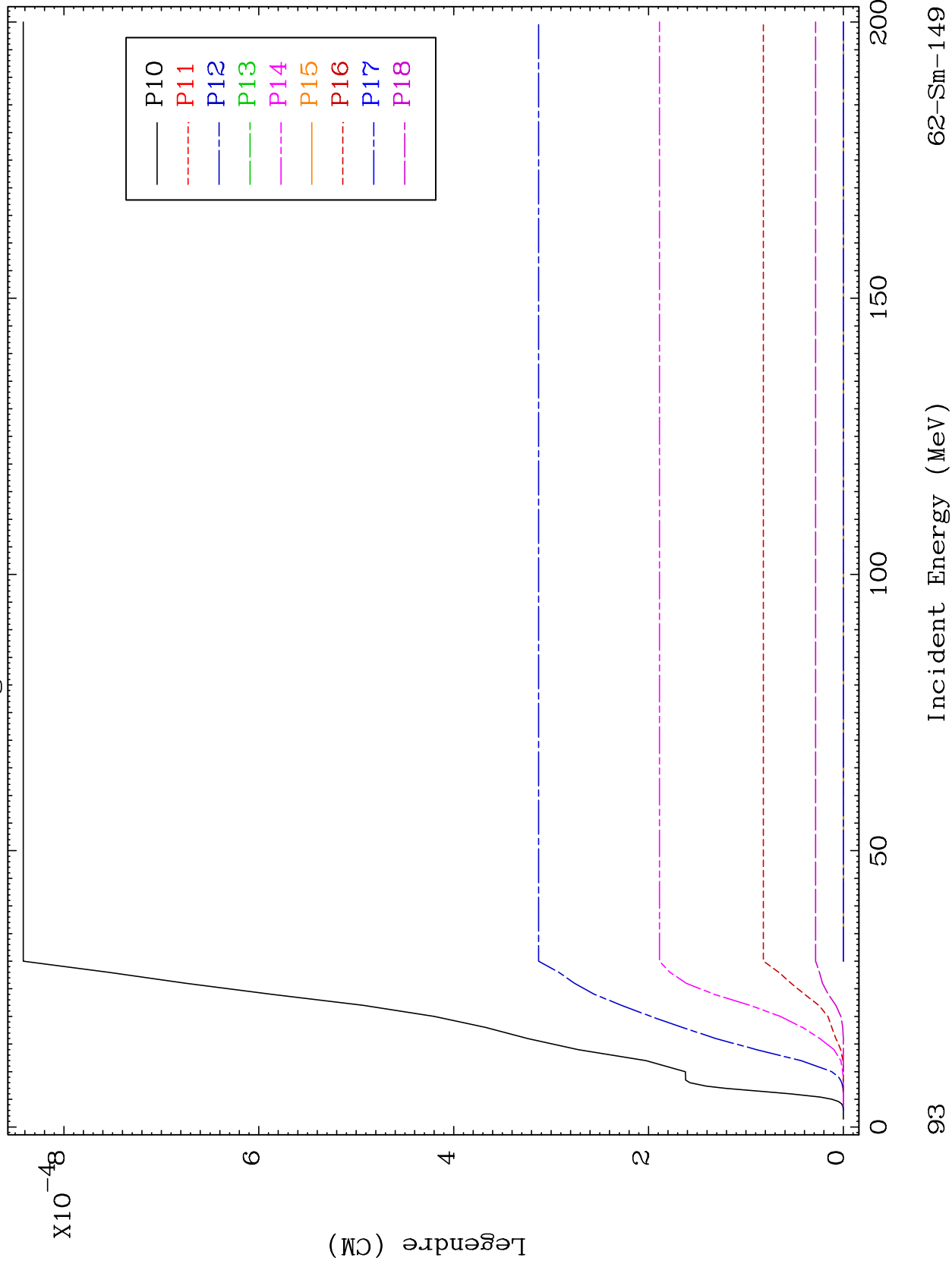
62-Sm-149



MAT 6240

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

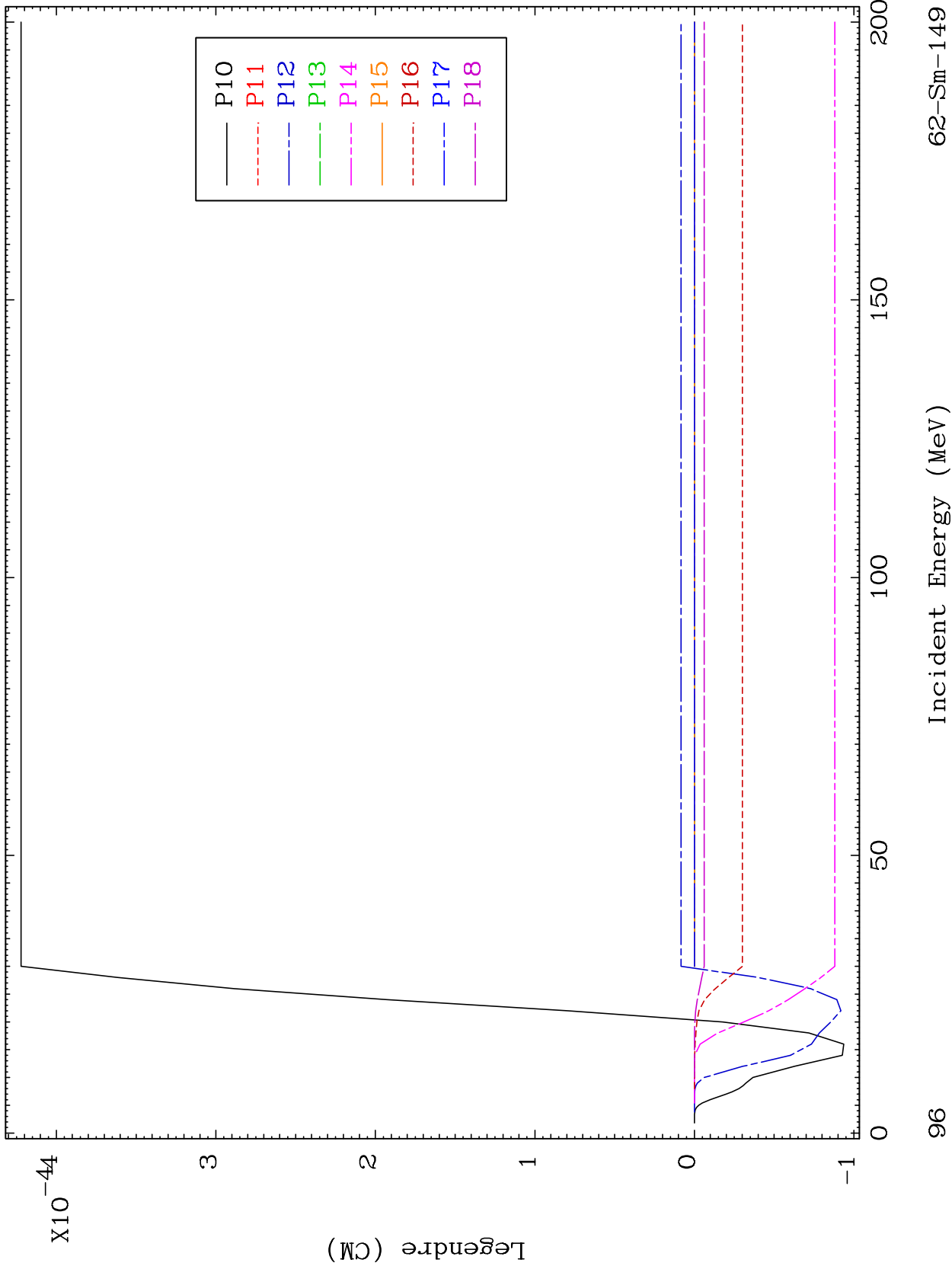
62-Sm-149



MAT 6240

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

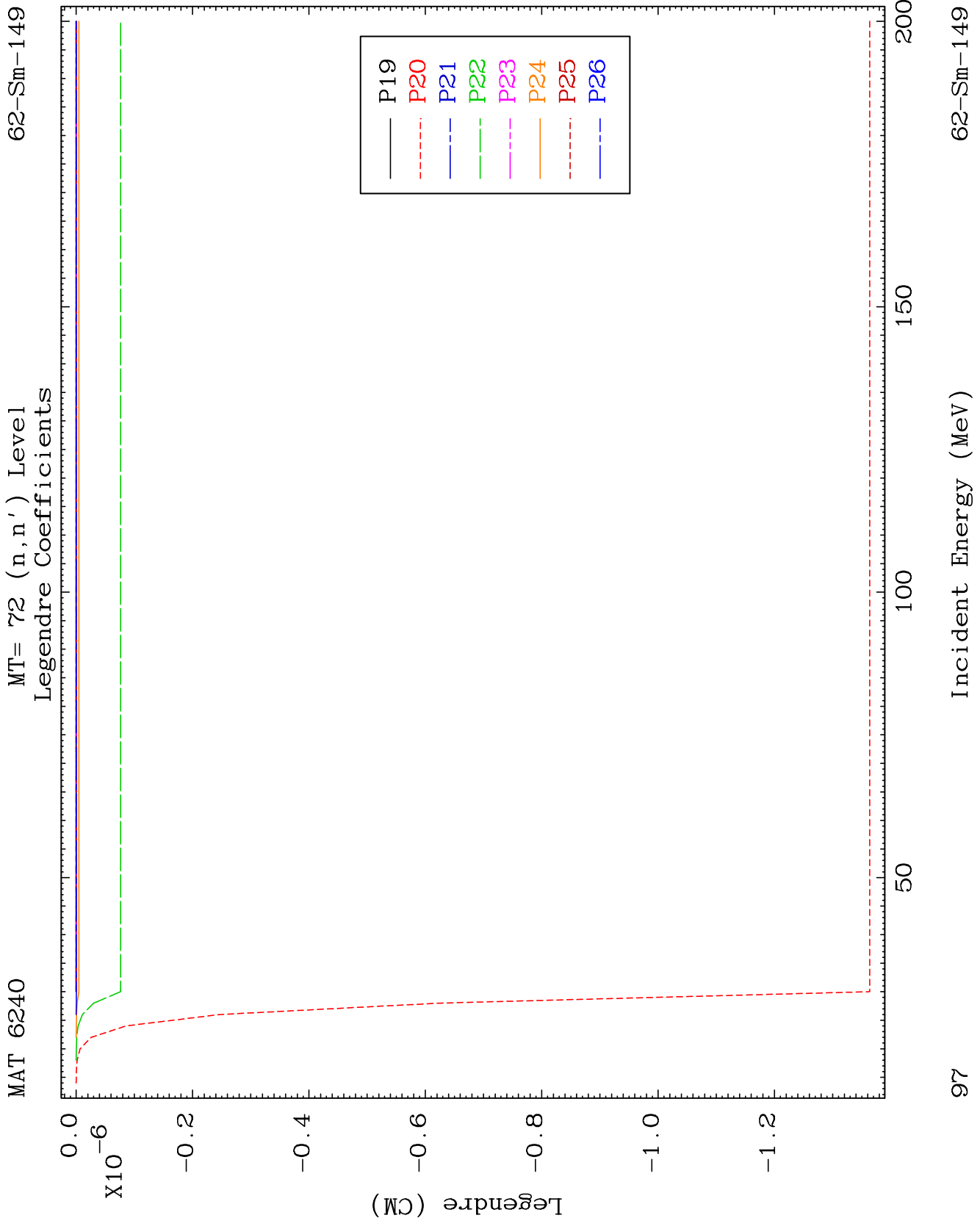
62-Sm-149



62-Sm-149

Incident Energy (MeV)

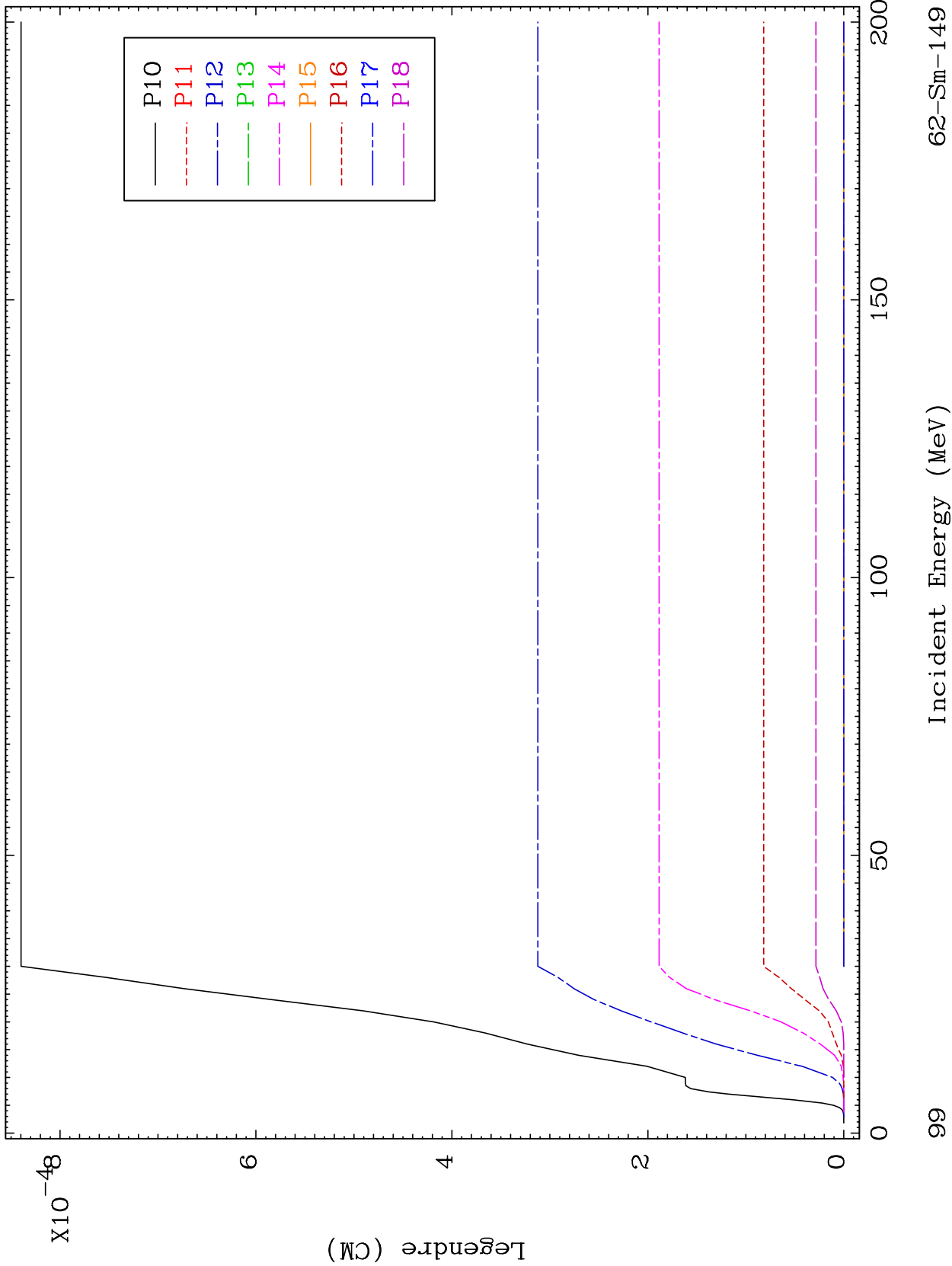
96



MAT 6240

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

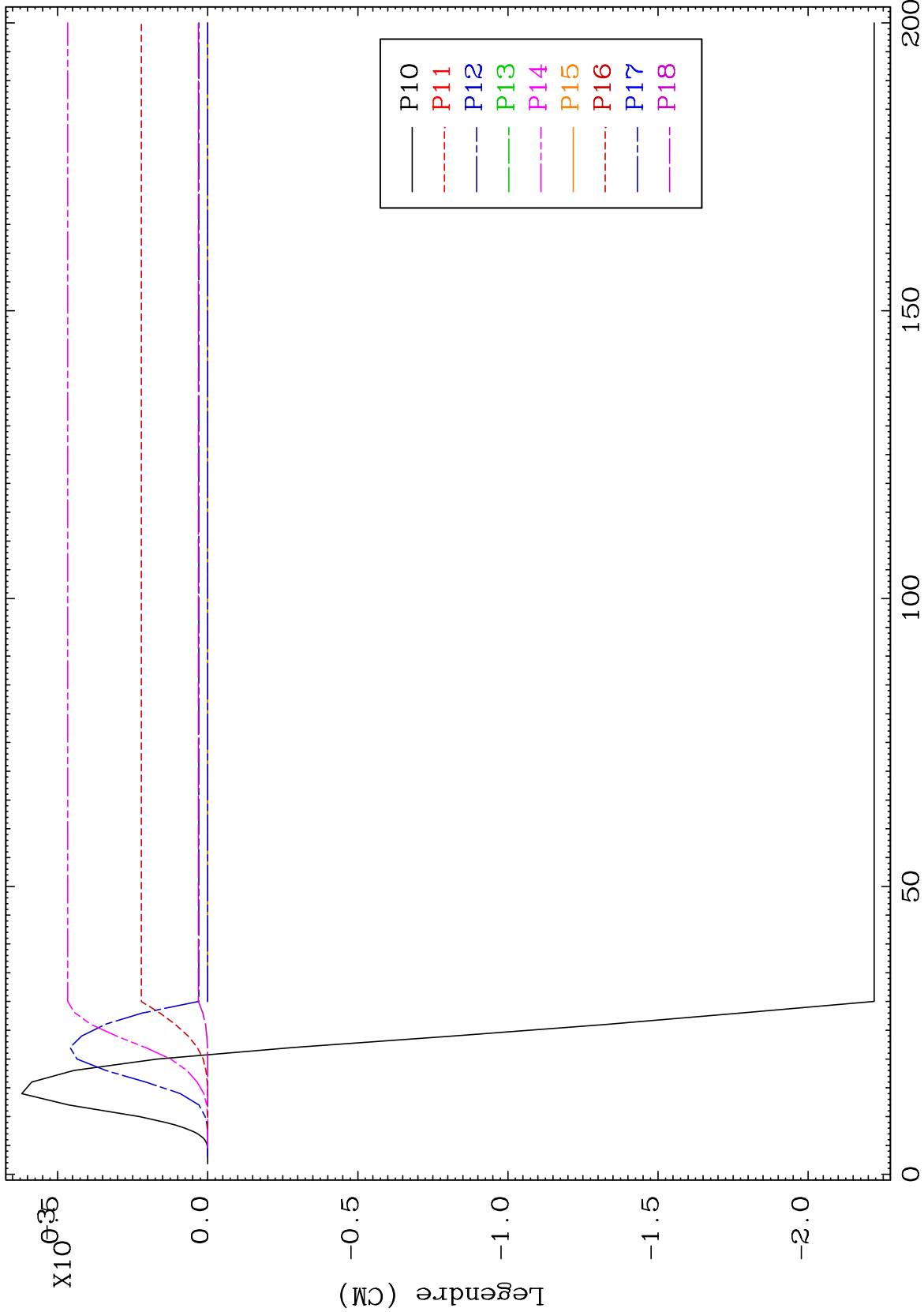
62-Sm-149



MAT 6240

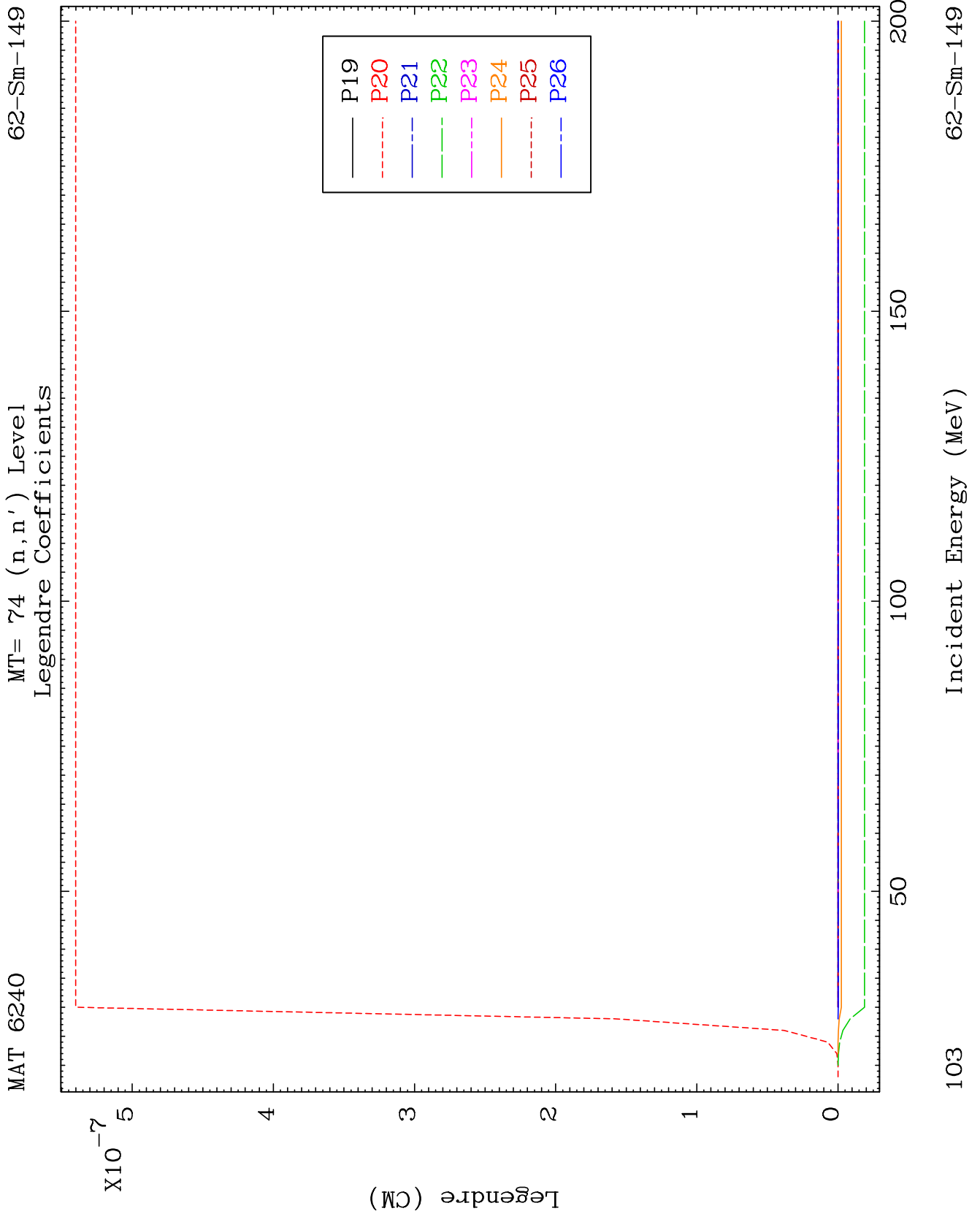
MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-149



102

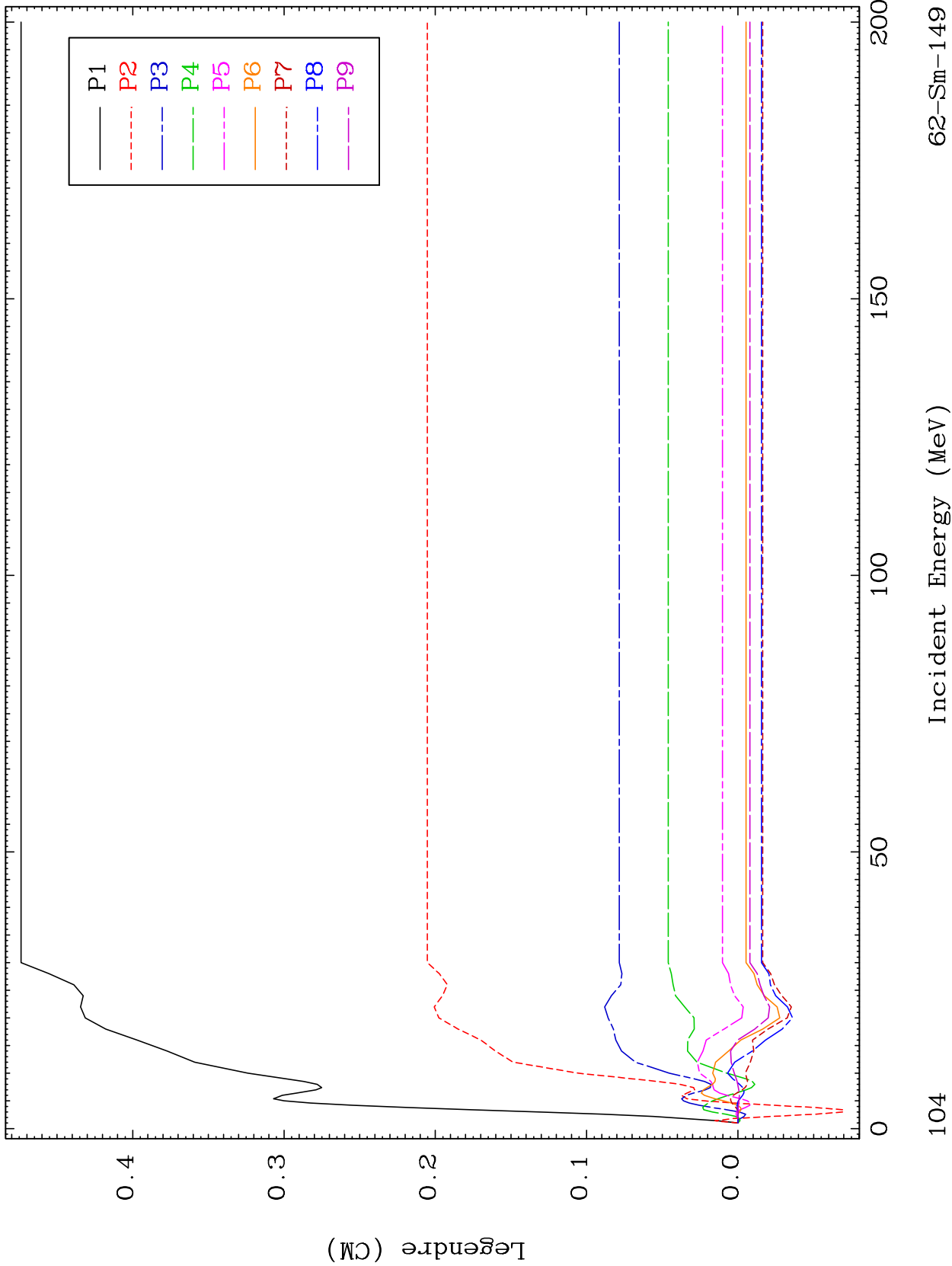
62-Sm-149



MAT 6240

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

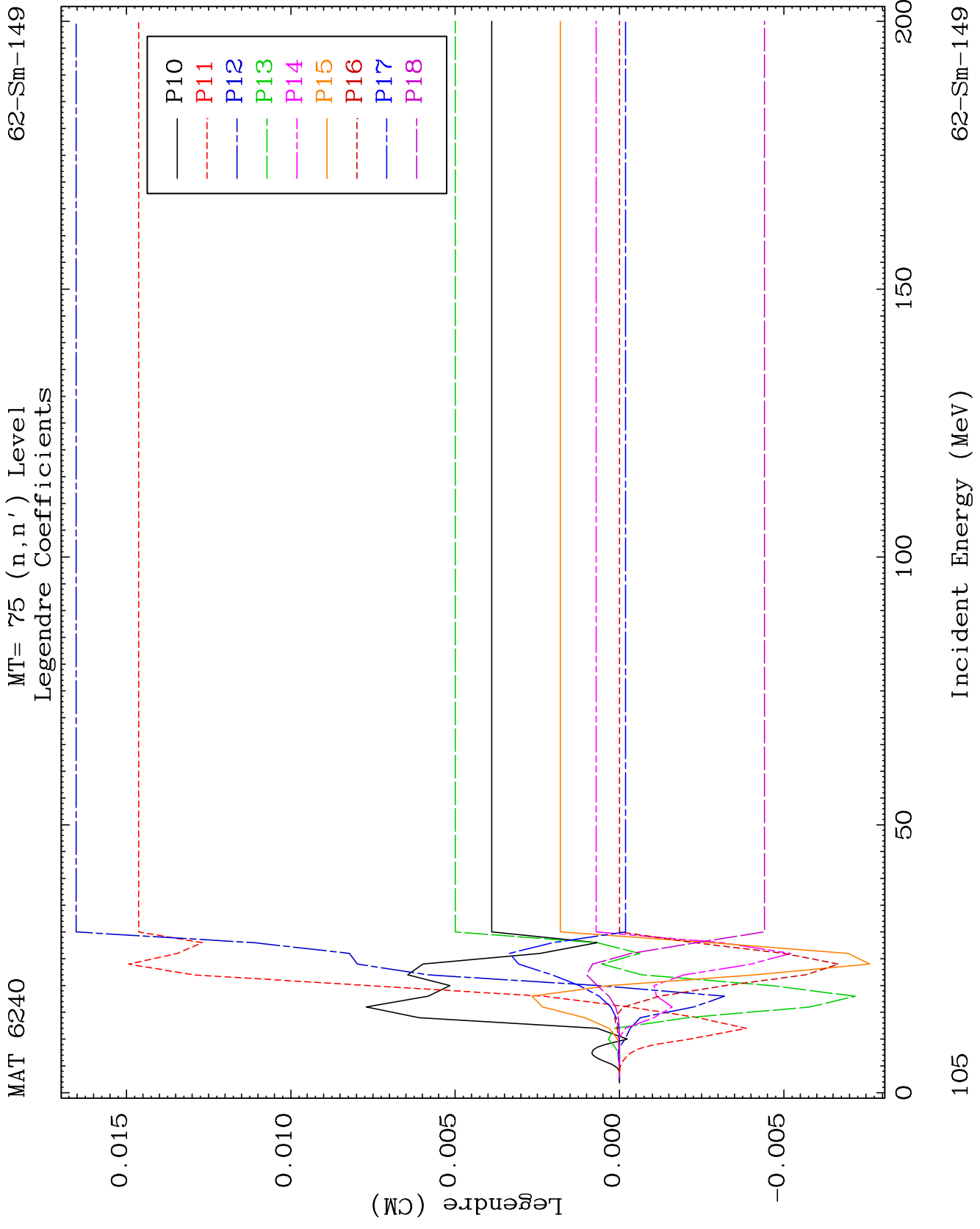
62-Sm-149

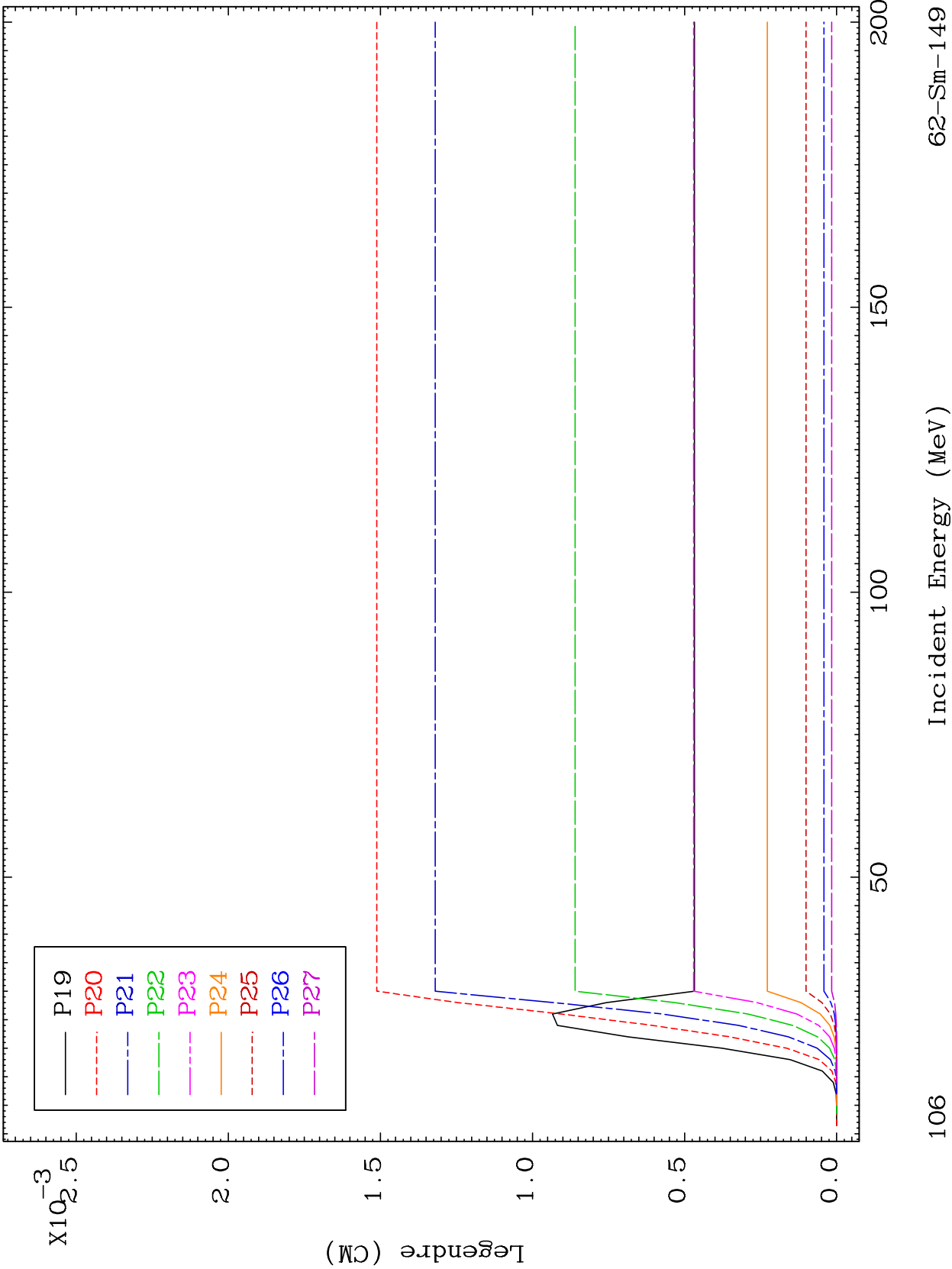


62-Sm-149

Incident Energy (MeV)

104

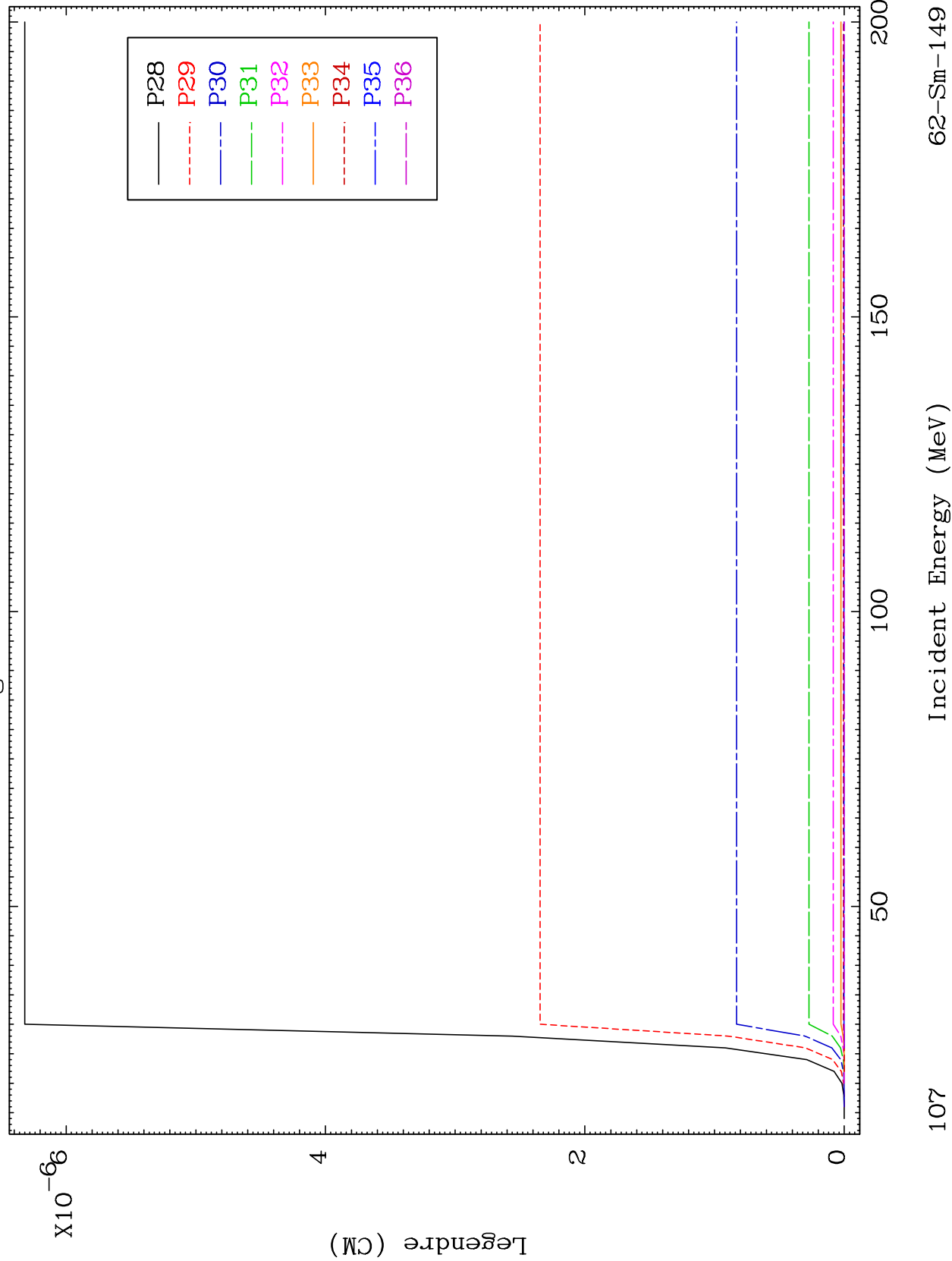




MAT 6240

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

62-Sm-149



107

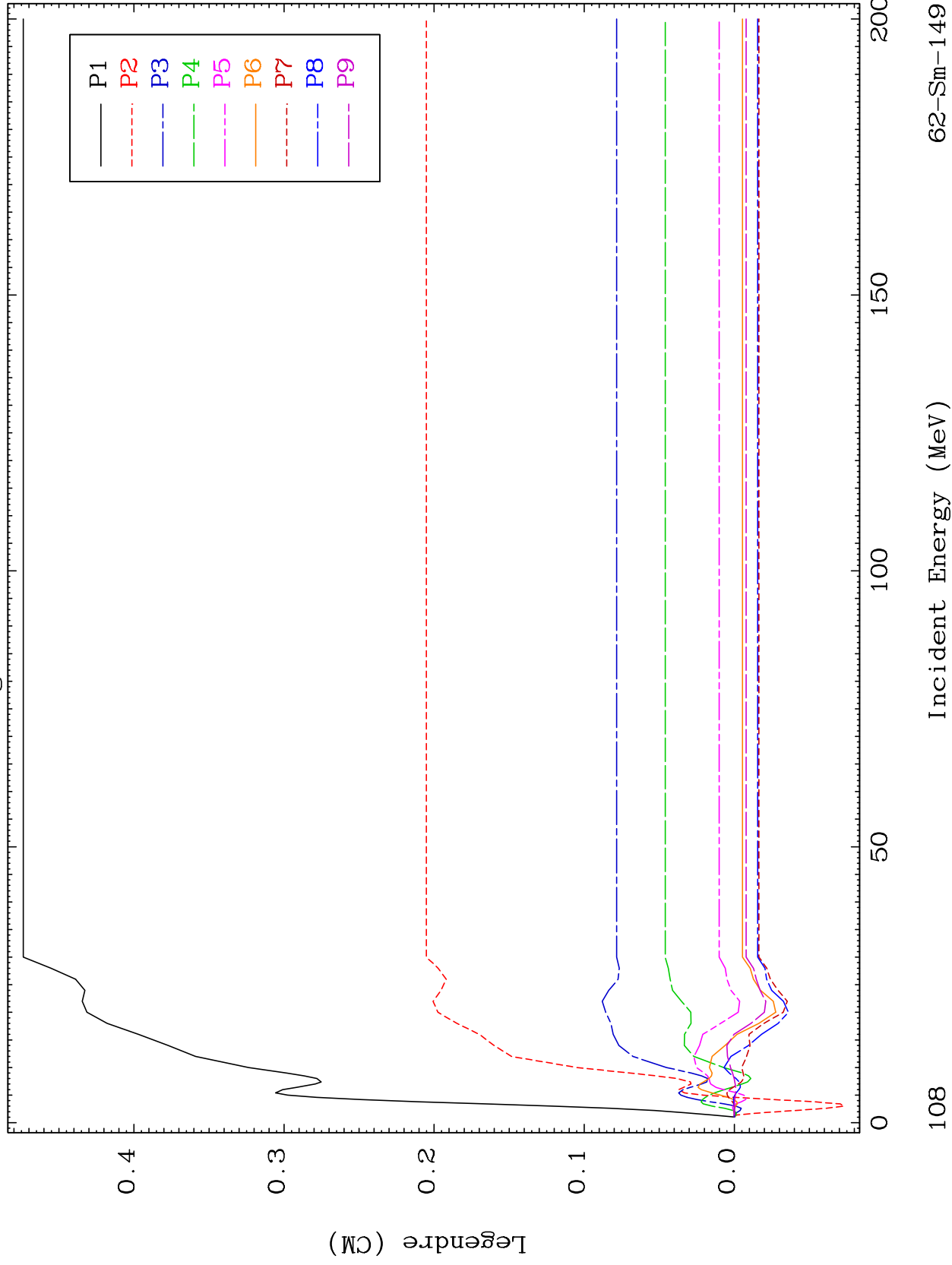
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

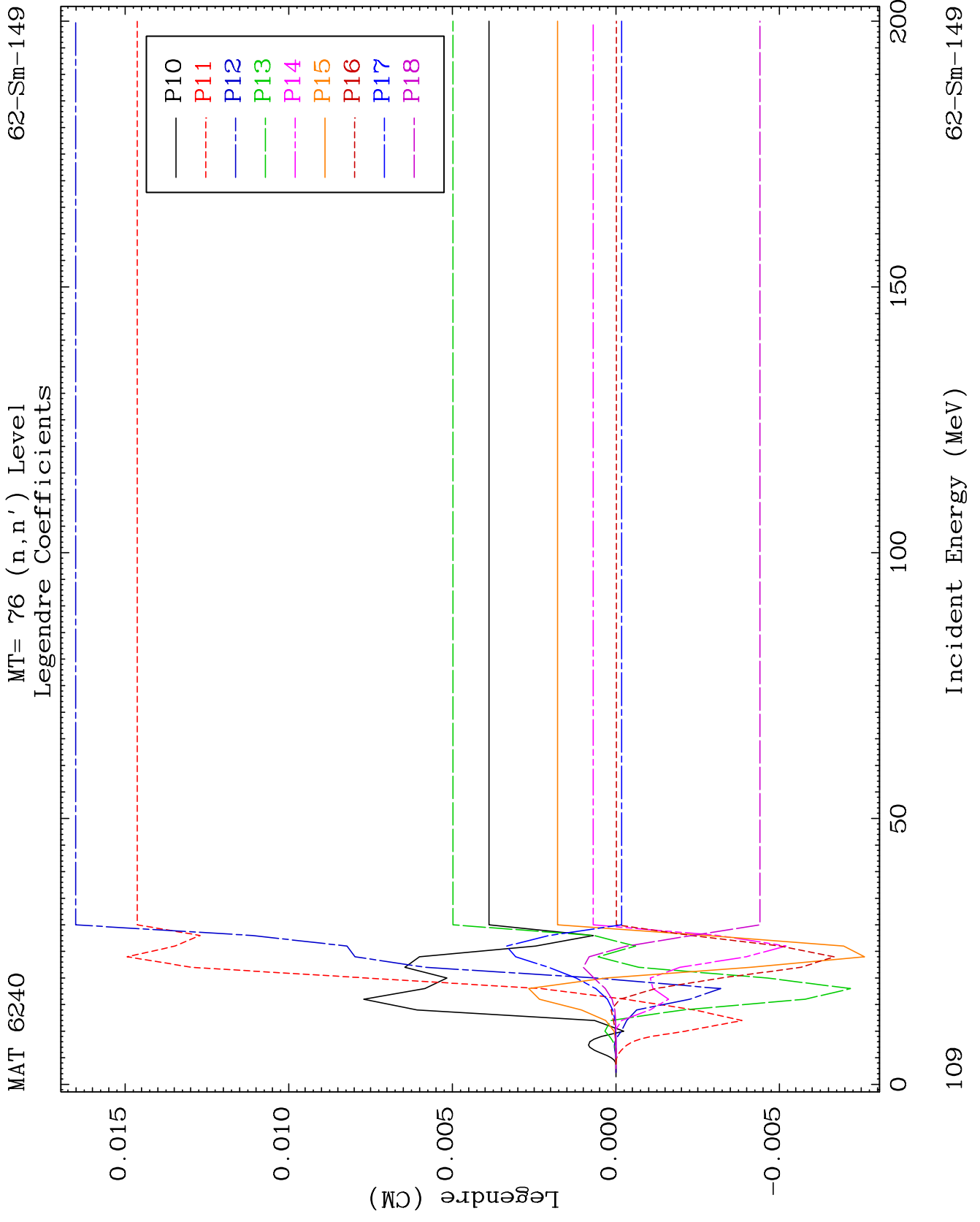
62-Sm-149



62-Sm-149

Incident Energy (MeV)

108



62-Sm-149

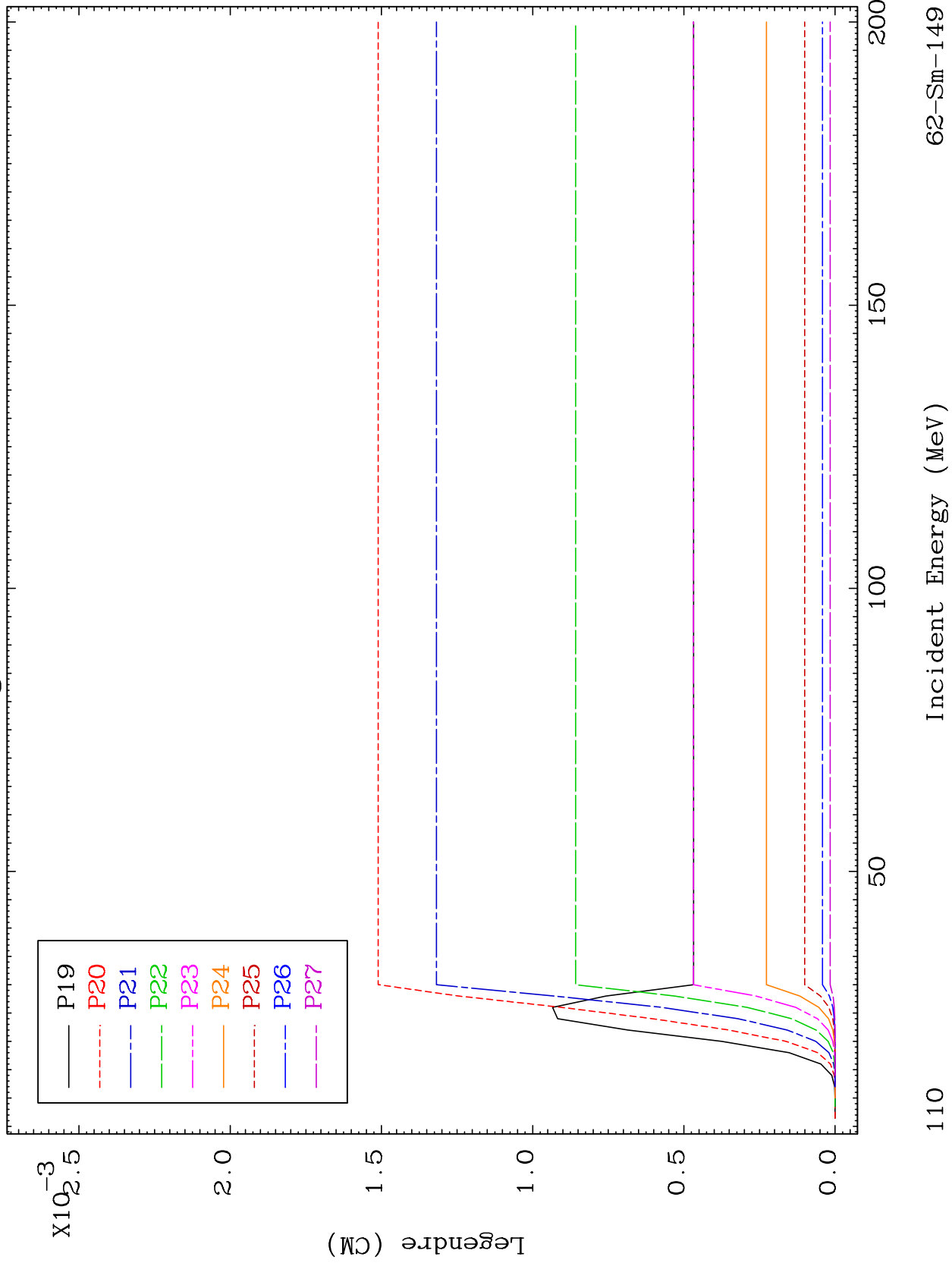
Incident Energy (MeV)

109

MAT 6240

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

62-Sm-149



110

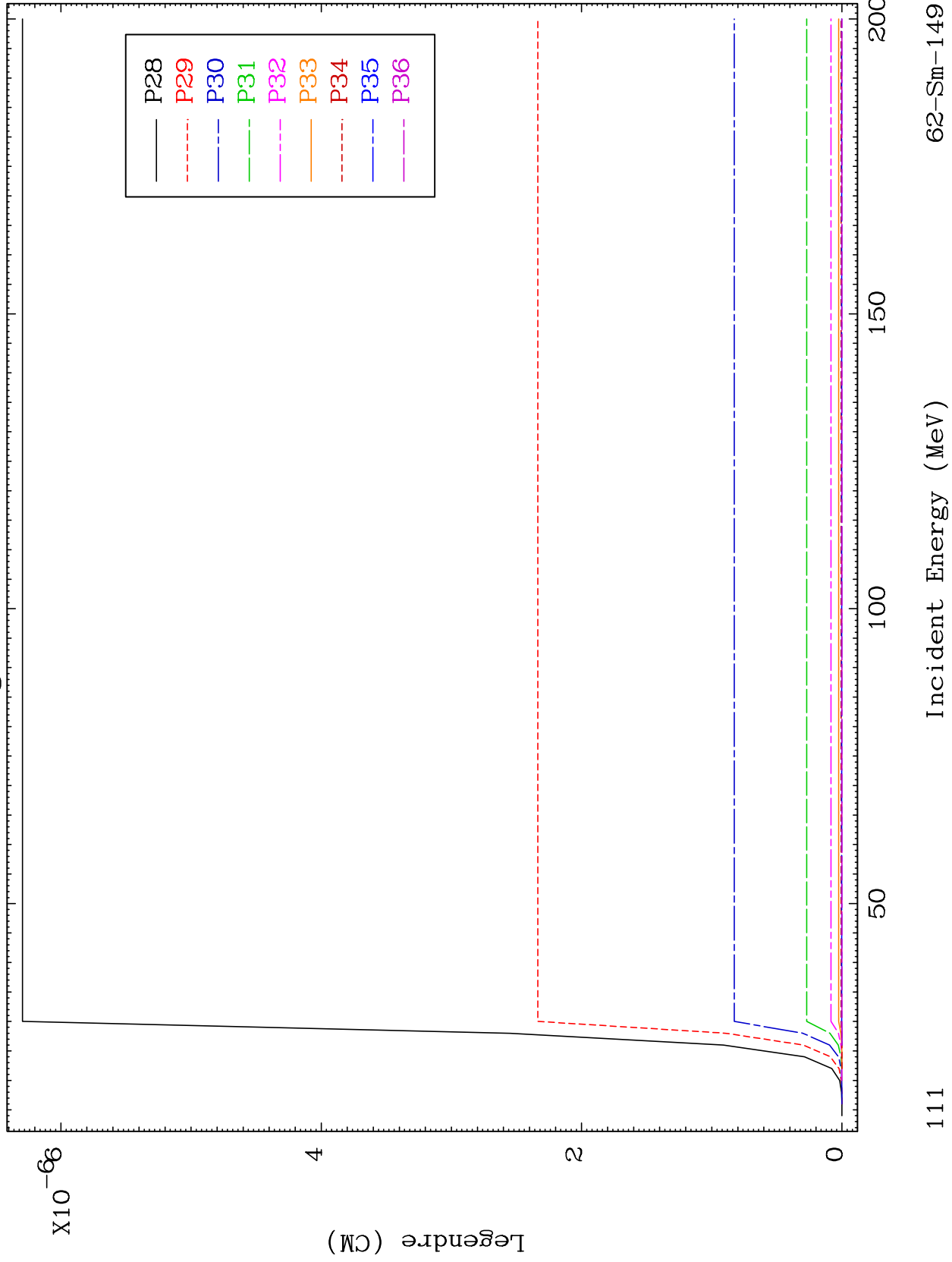
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

62-Sm-149



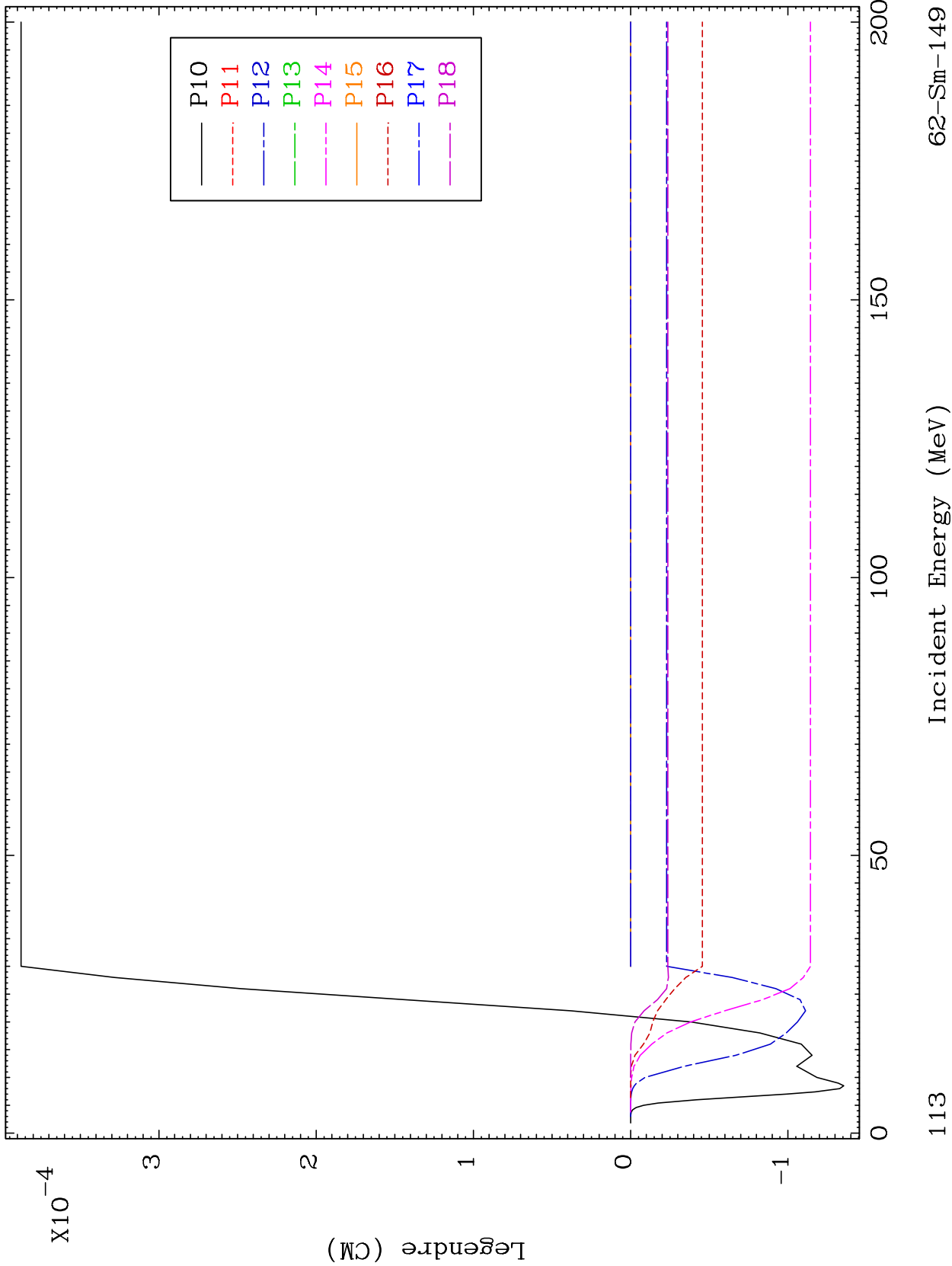
111

62-Sm-149

MAT 6240

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

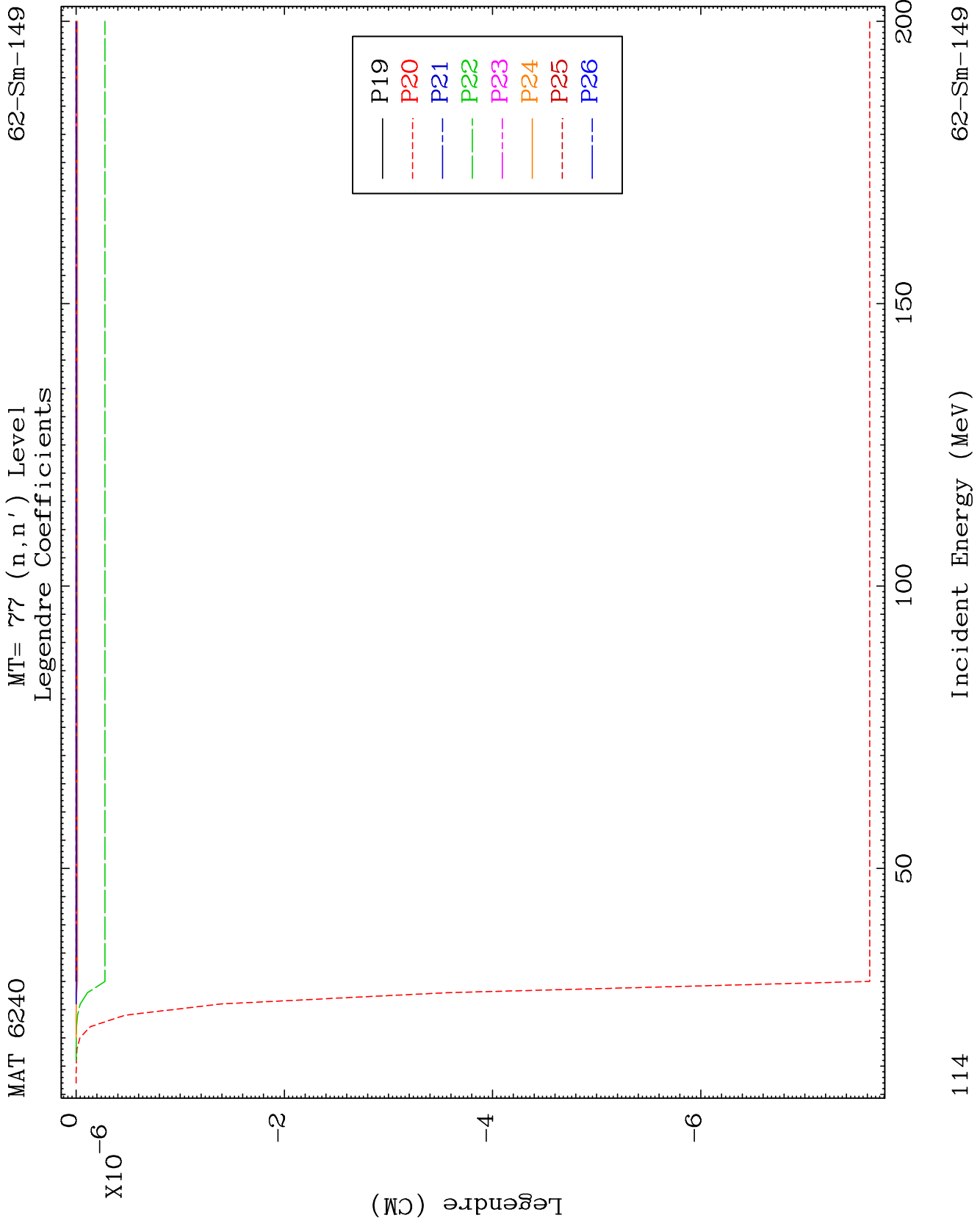
62-Sm-149



62-Sm-149

Incident Energy (MeV)

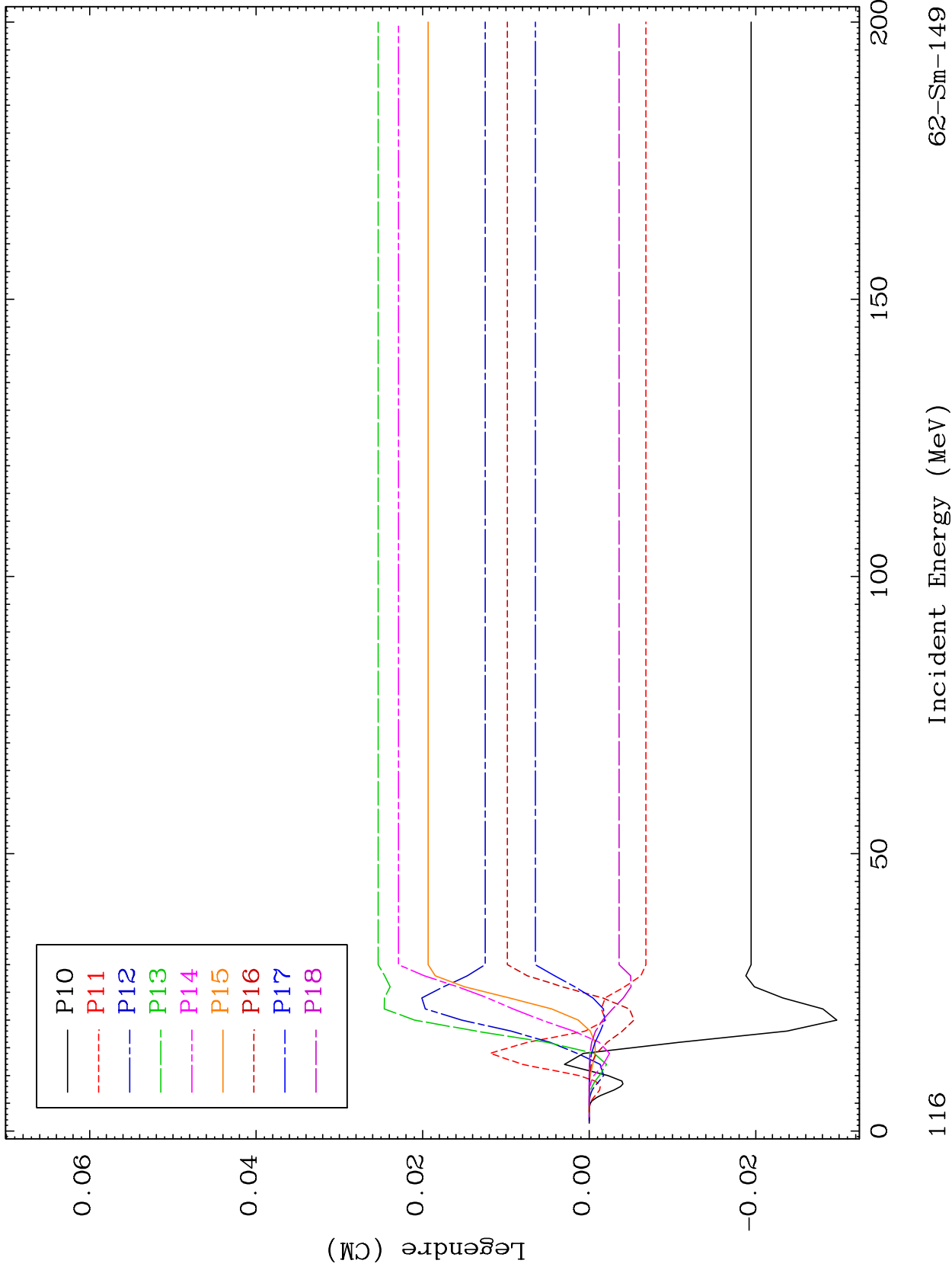
113



MAT 6240

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

62-Sm-149



116

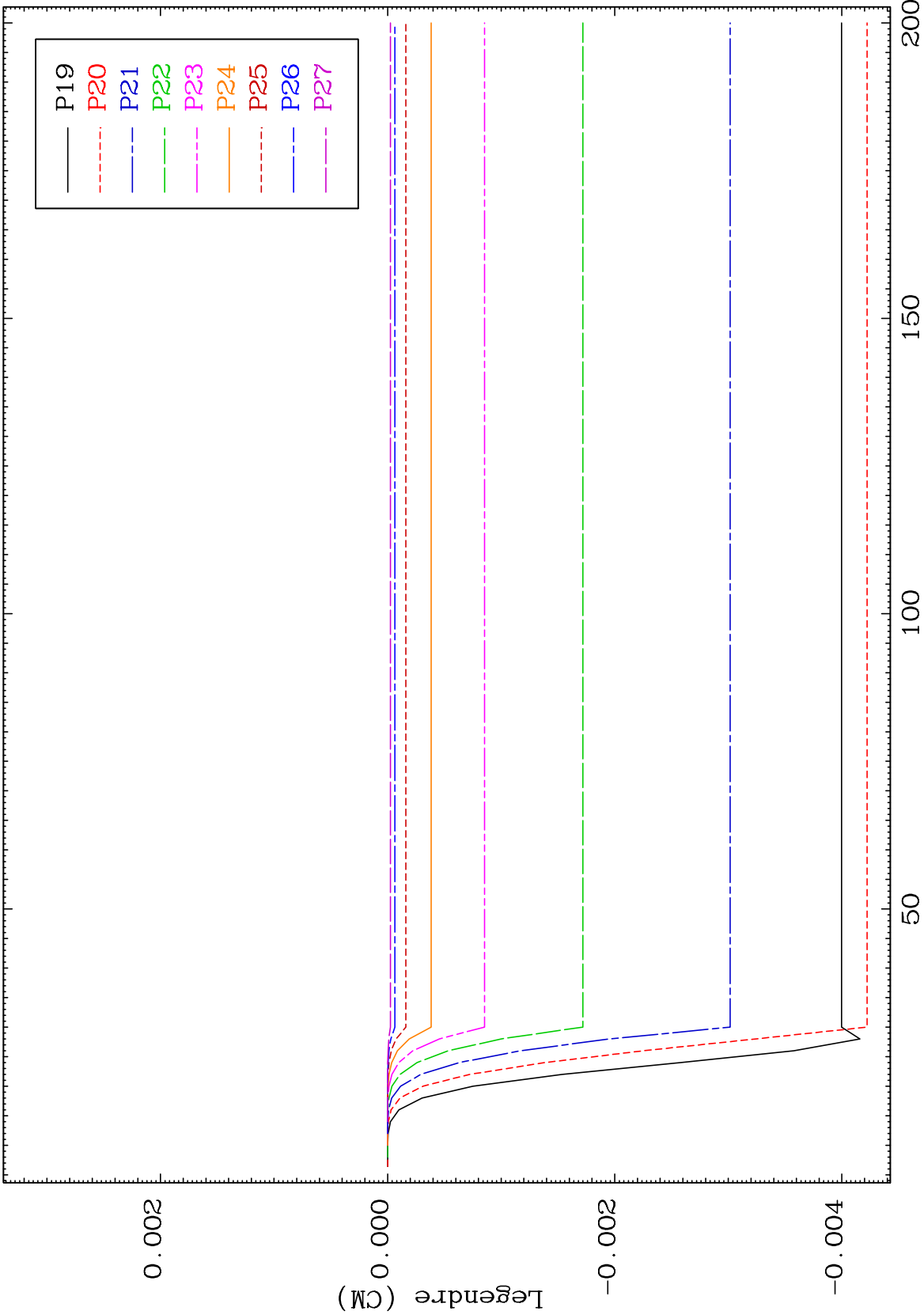
Incident Energy (MeV)

62-Sm-149

MAT 6240

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

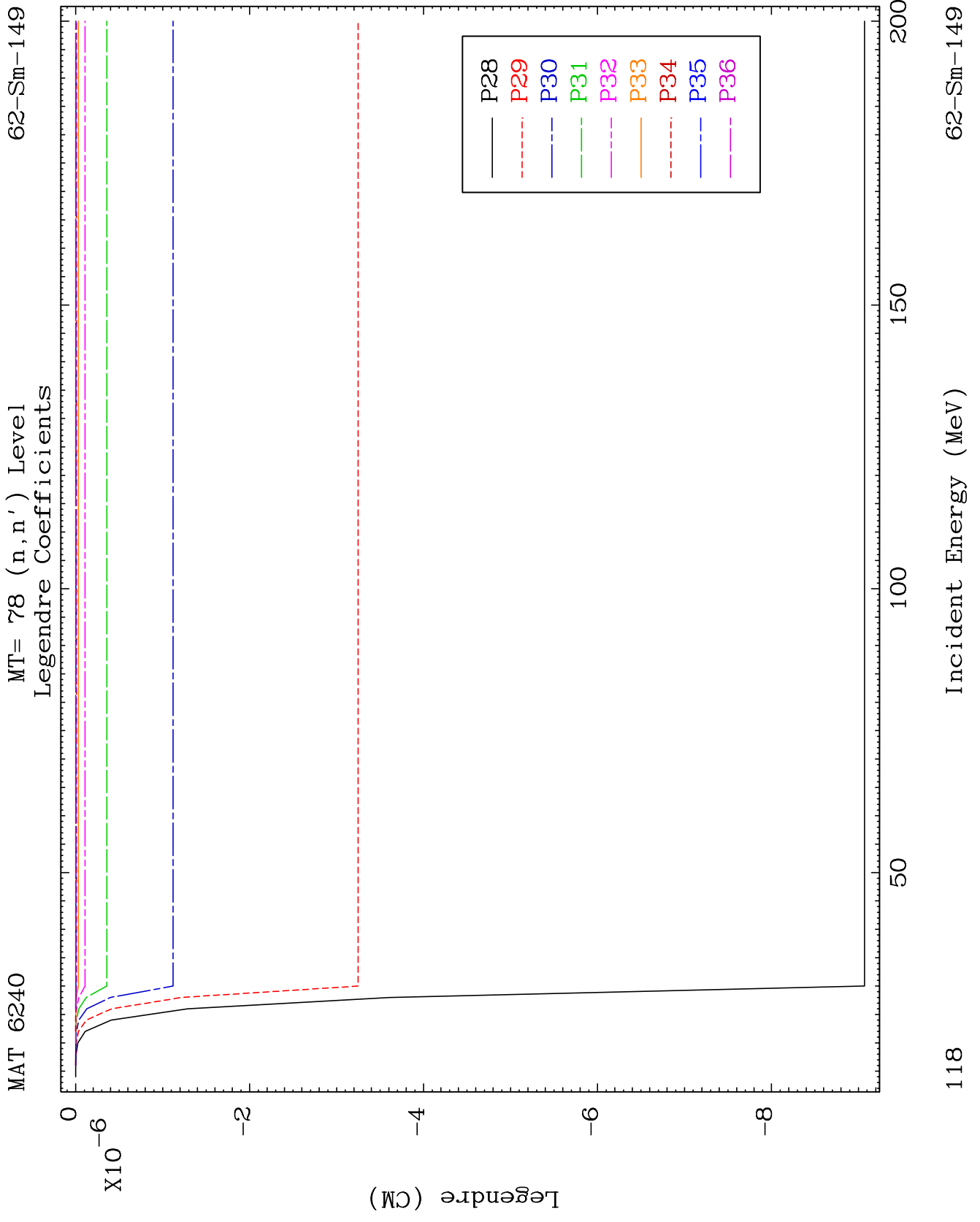
62-Sm-149



117

Incident Energy (MeV)

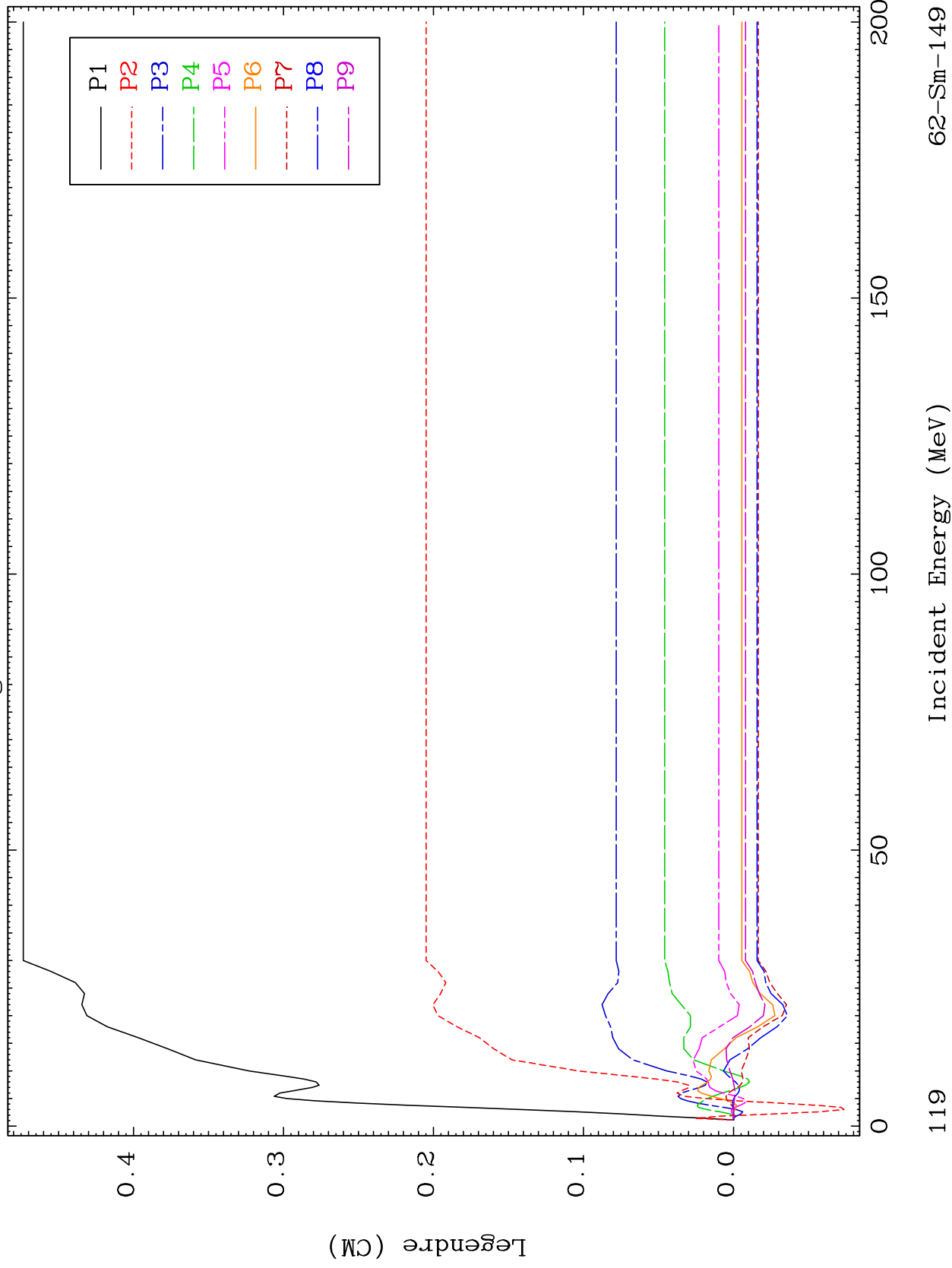
62-Sm-149



MAT 6240

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

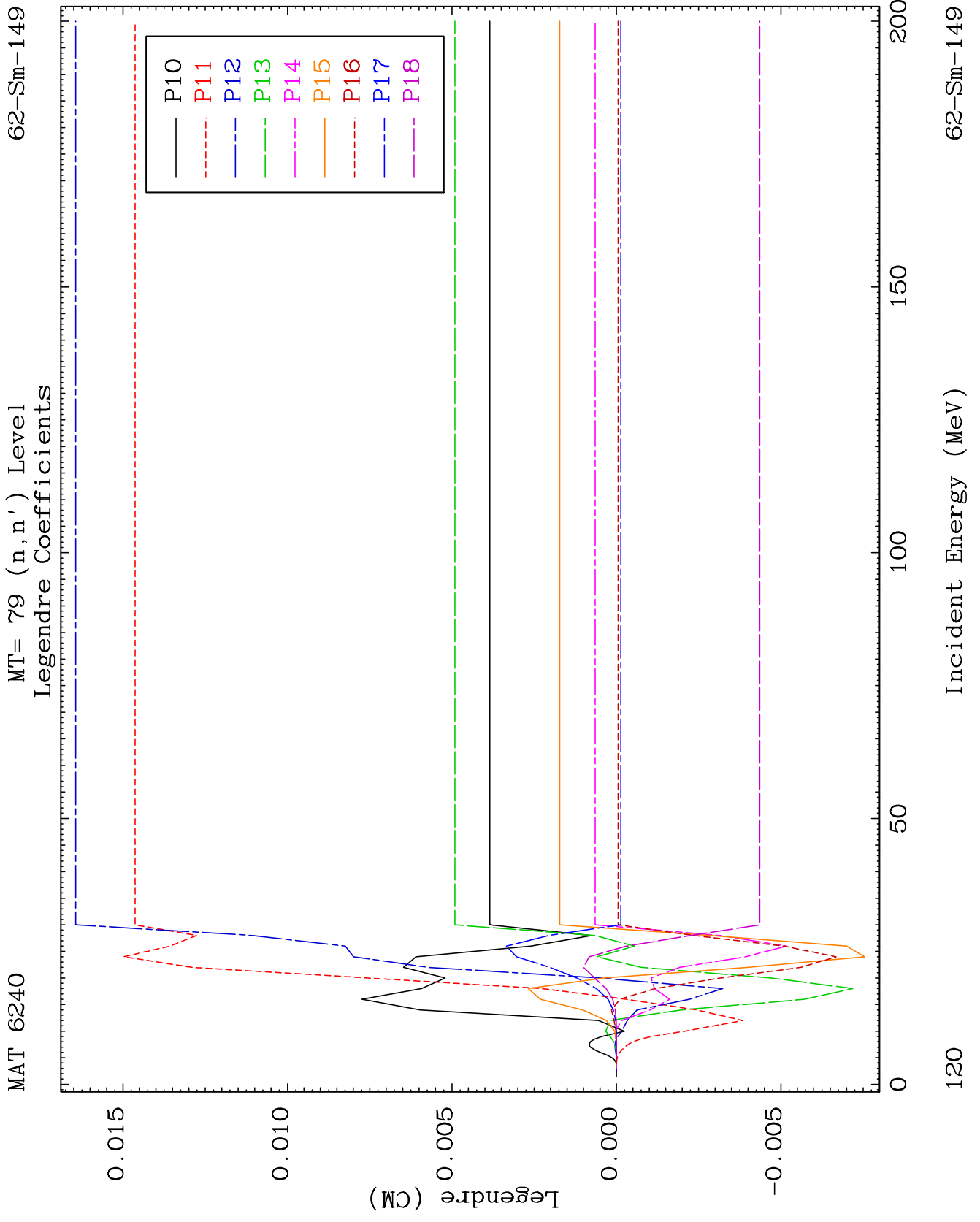
62-Sm-149



119

Incident Energy (MeV)

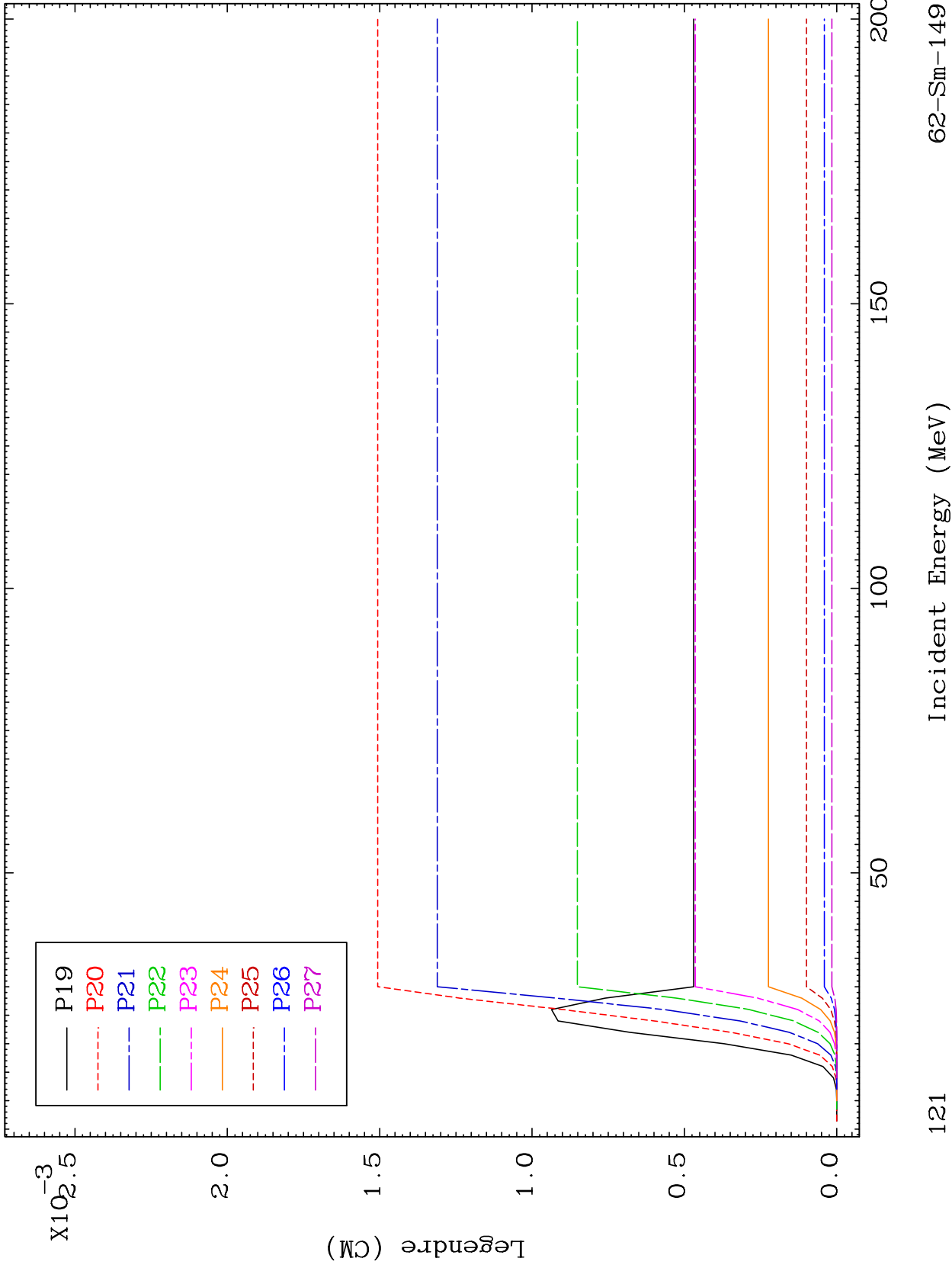
62-Sm-149



MAT 6240

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

62-Sm-149



121

Incident Energy (MeV)

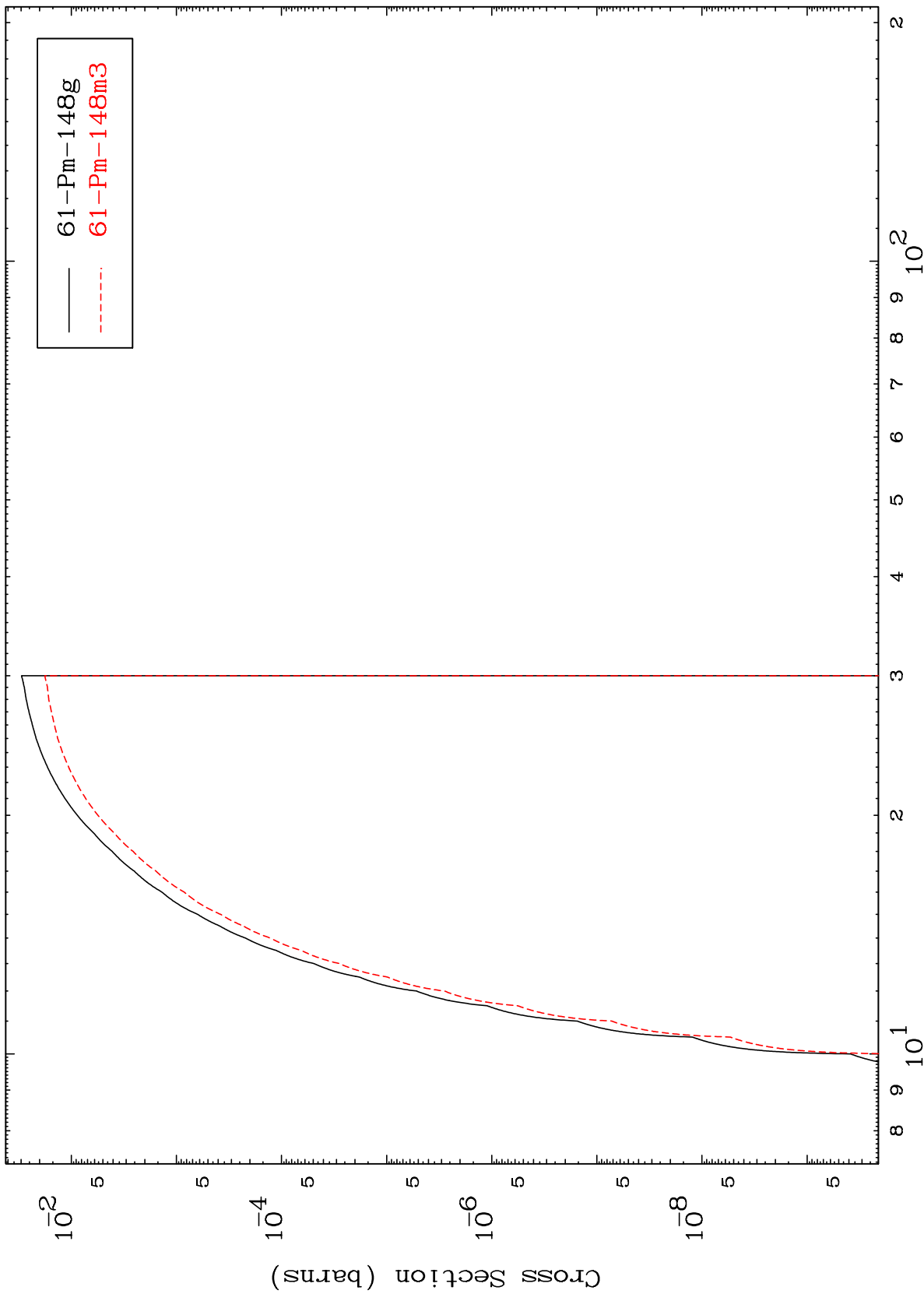
62-Sm-149

MAT 6240

(n,n') p

62-Sm-149

Radionuclide Production Cross Section



123

Incident Energy (MeV)

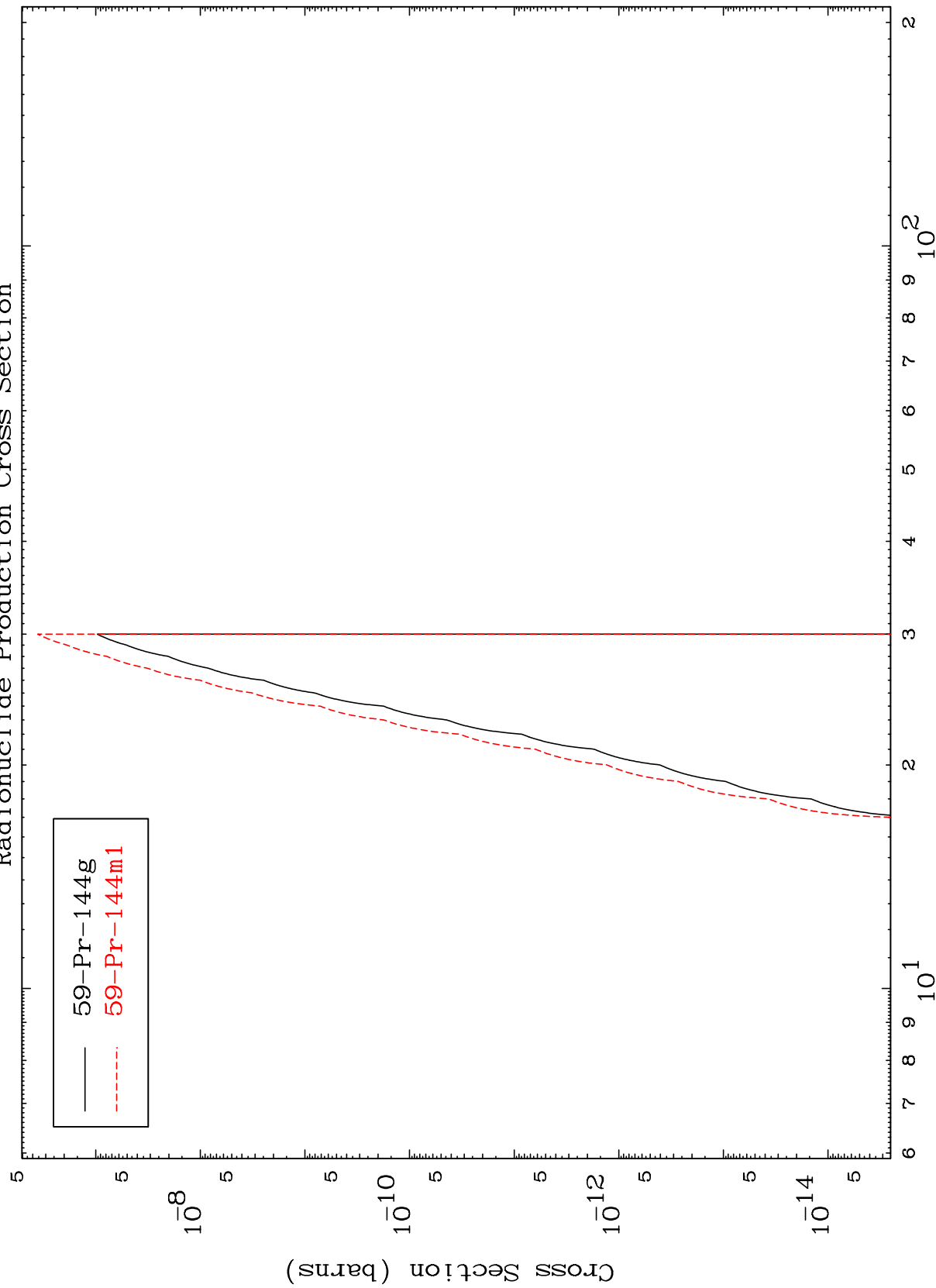
62-Sm-149

MAT 6240

(n,n') p α

62-Sm-149

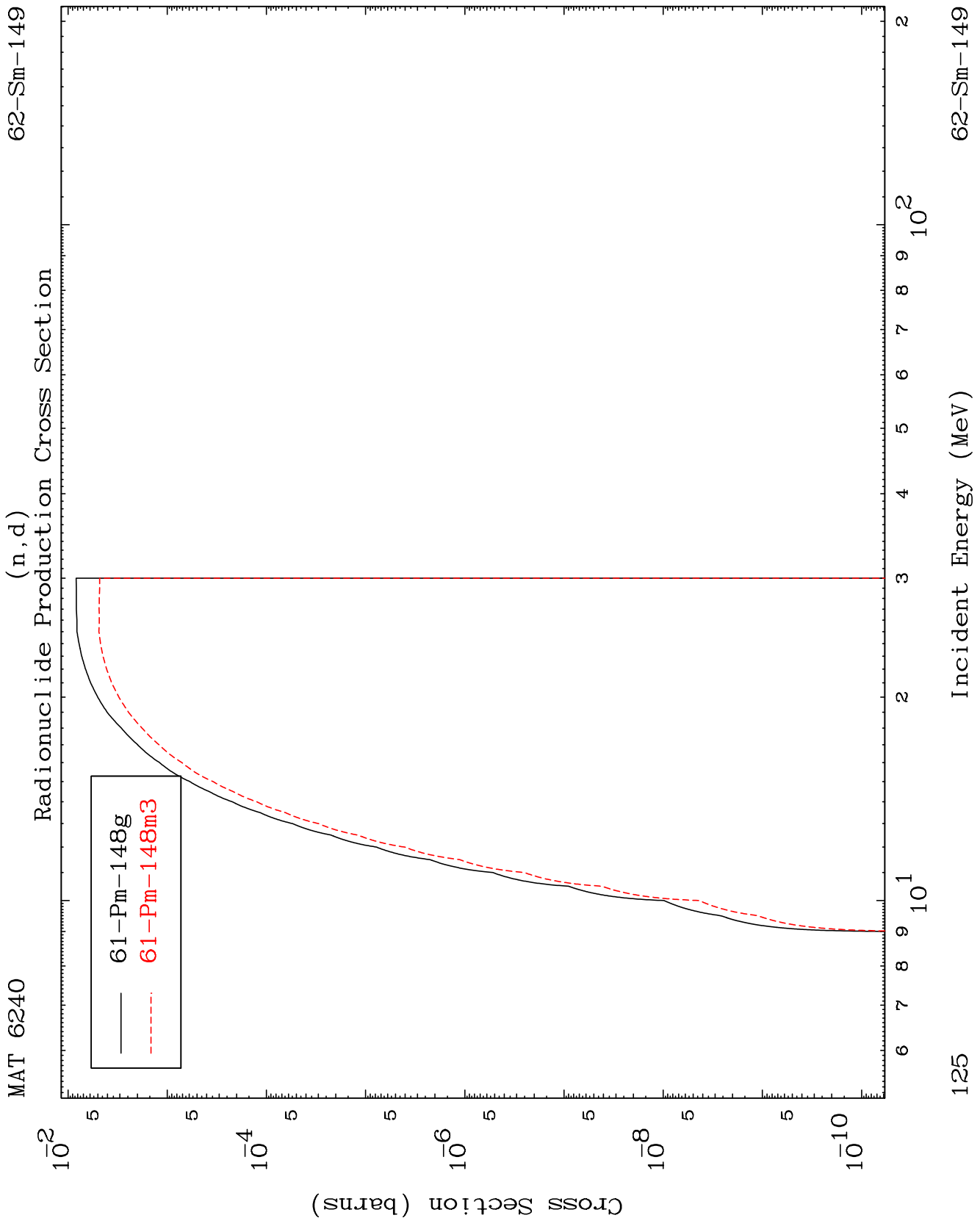
Radionuclide Production Cross Section



124

Incident Energy (MeV)

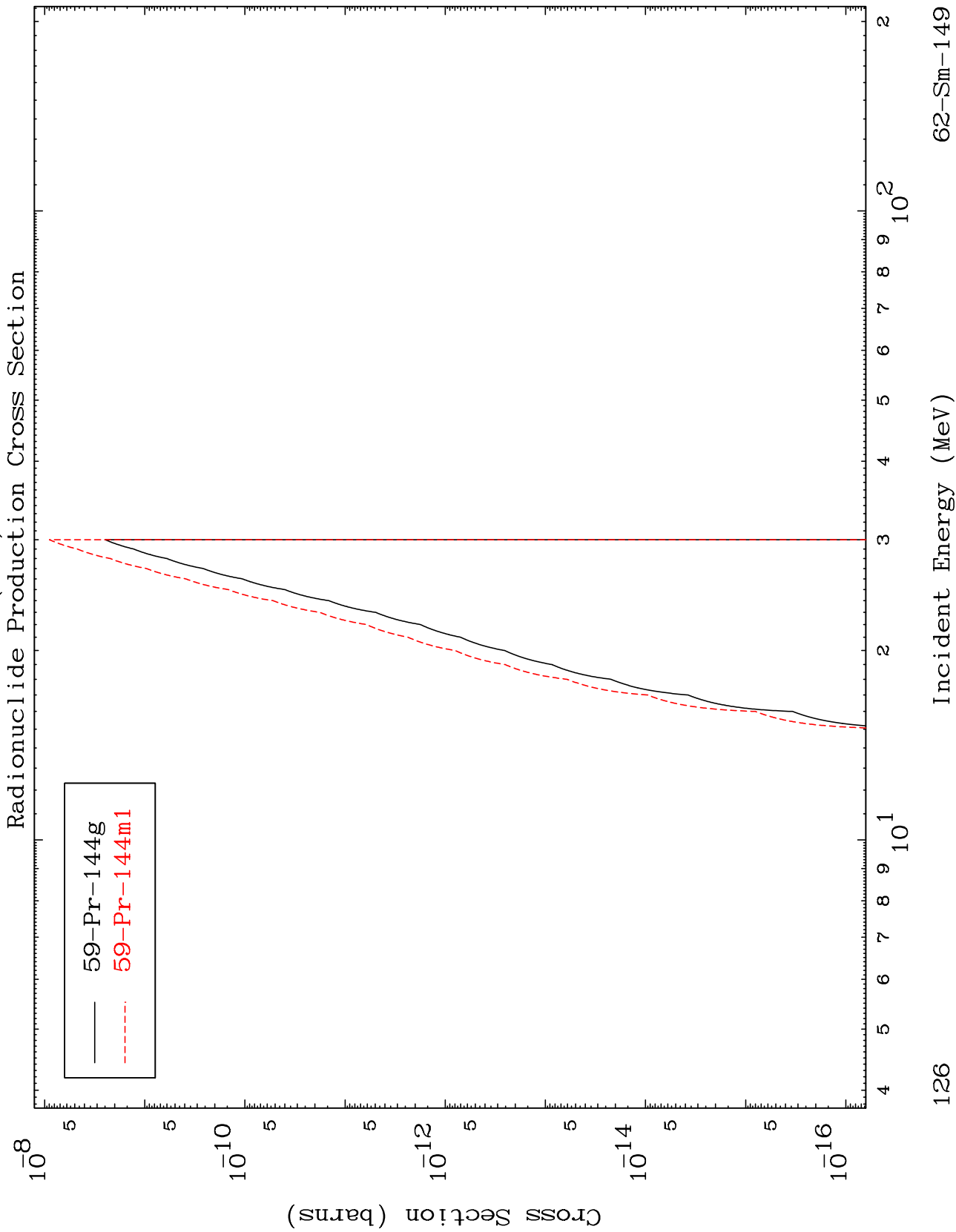
62-Sm-149



MAT 6240

(n,d) α

62-Sm-149



126

62-Sm-149