

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

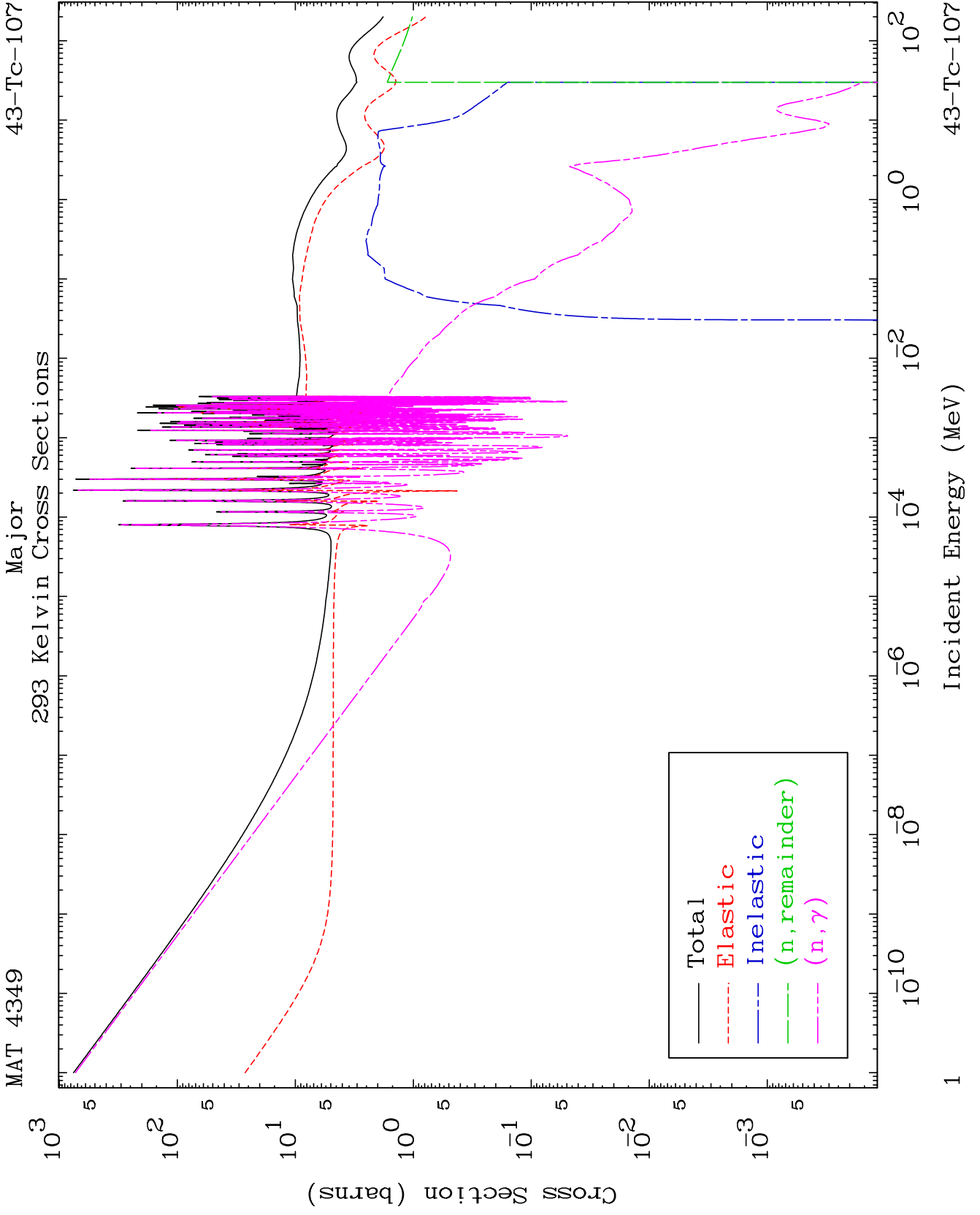
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

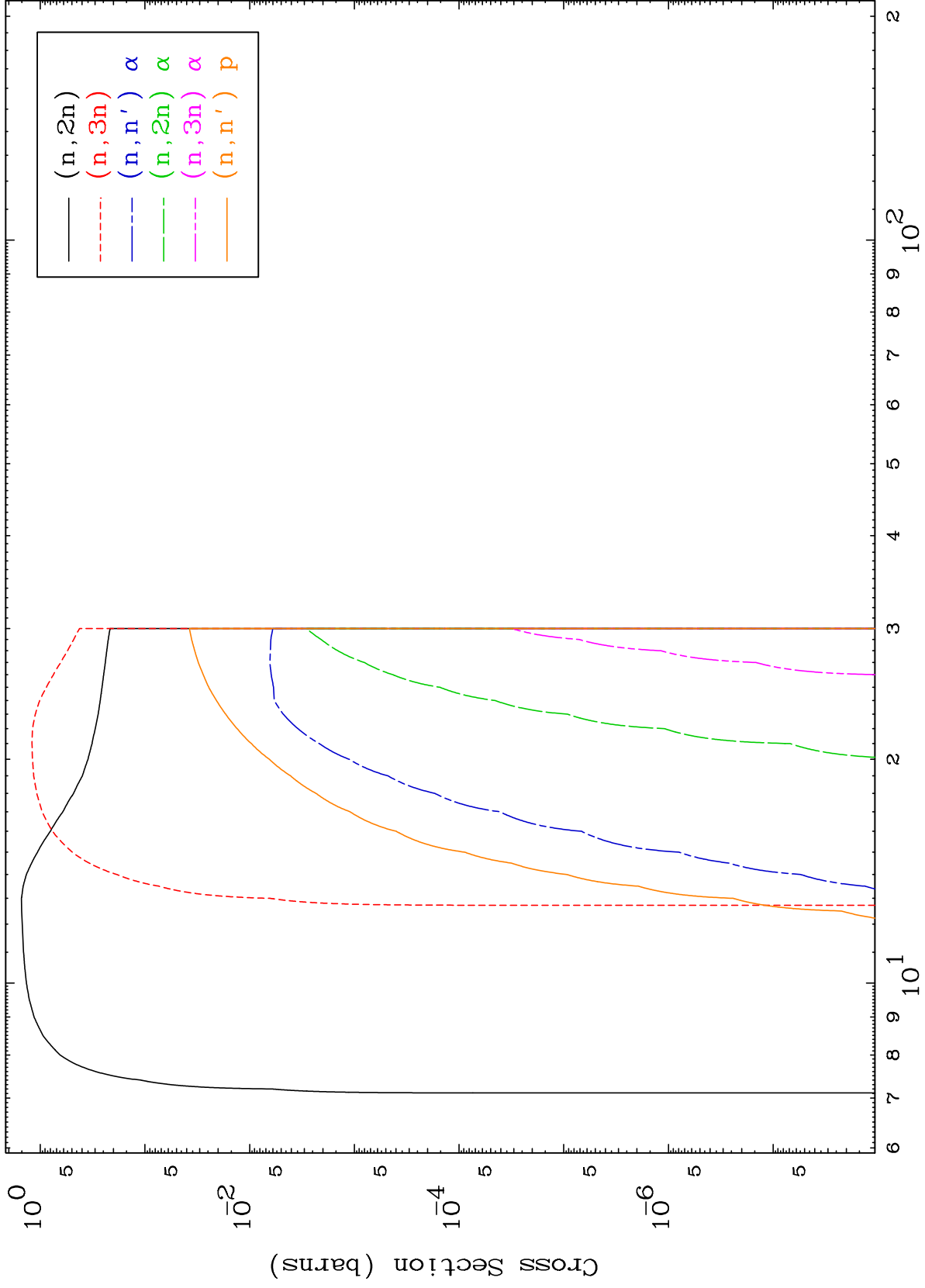
Press Mouse Button to Start



MAT 4349

Neutron Production  
293 Kelvin Cross Sections

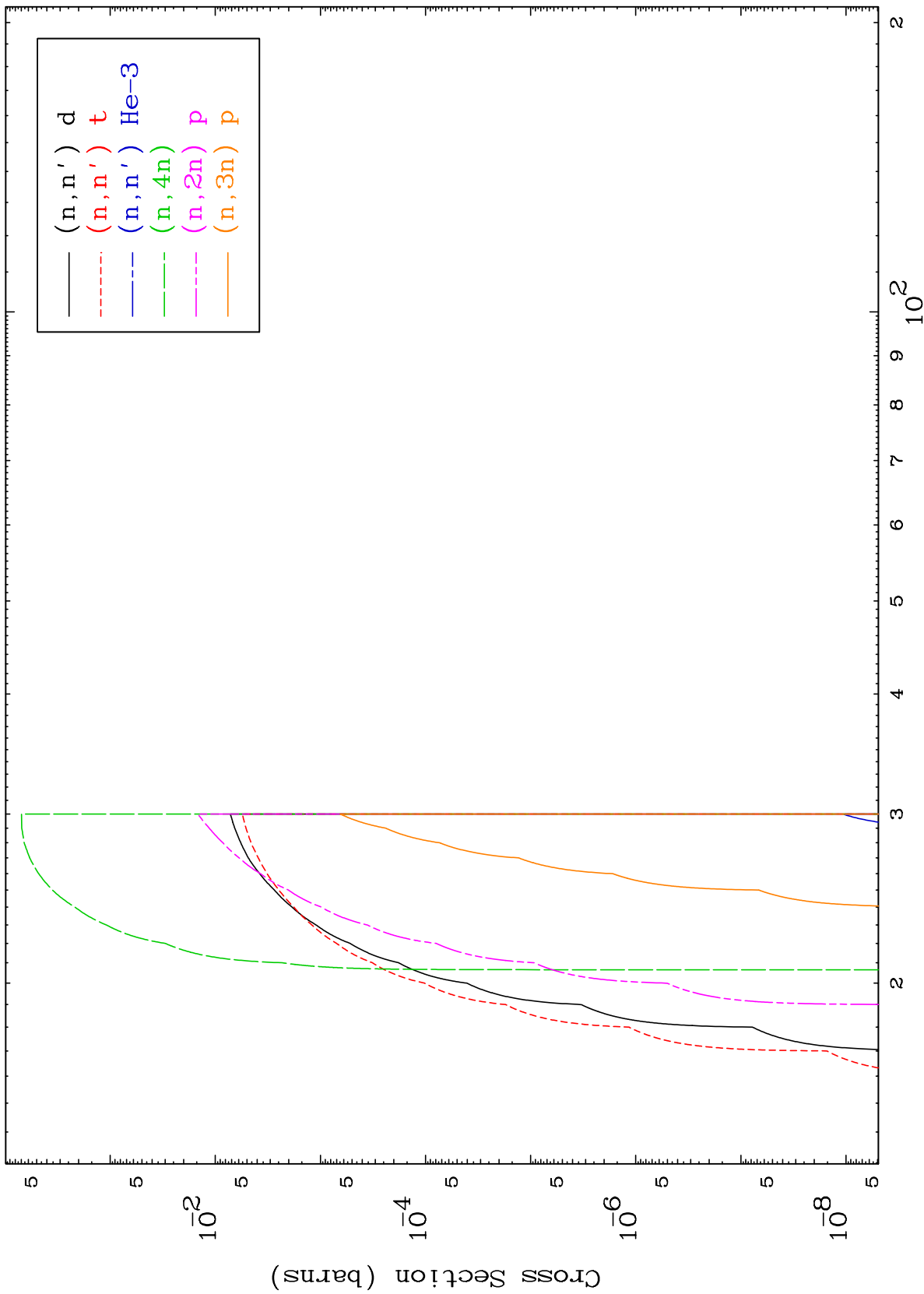
43-Tc-107



2

Incident Energy (MeV)

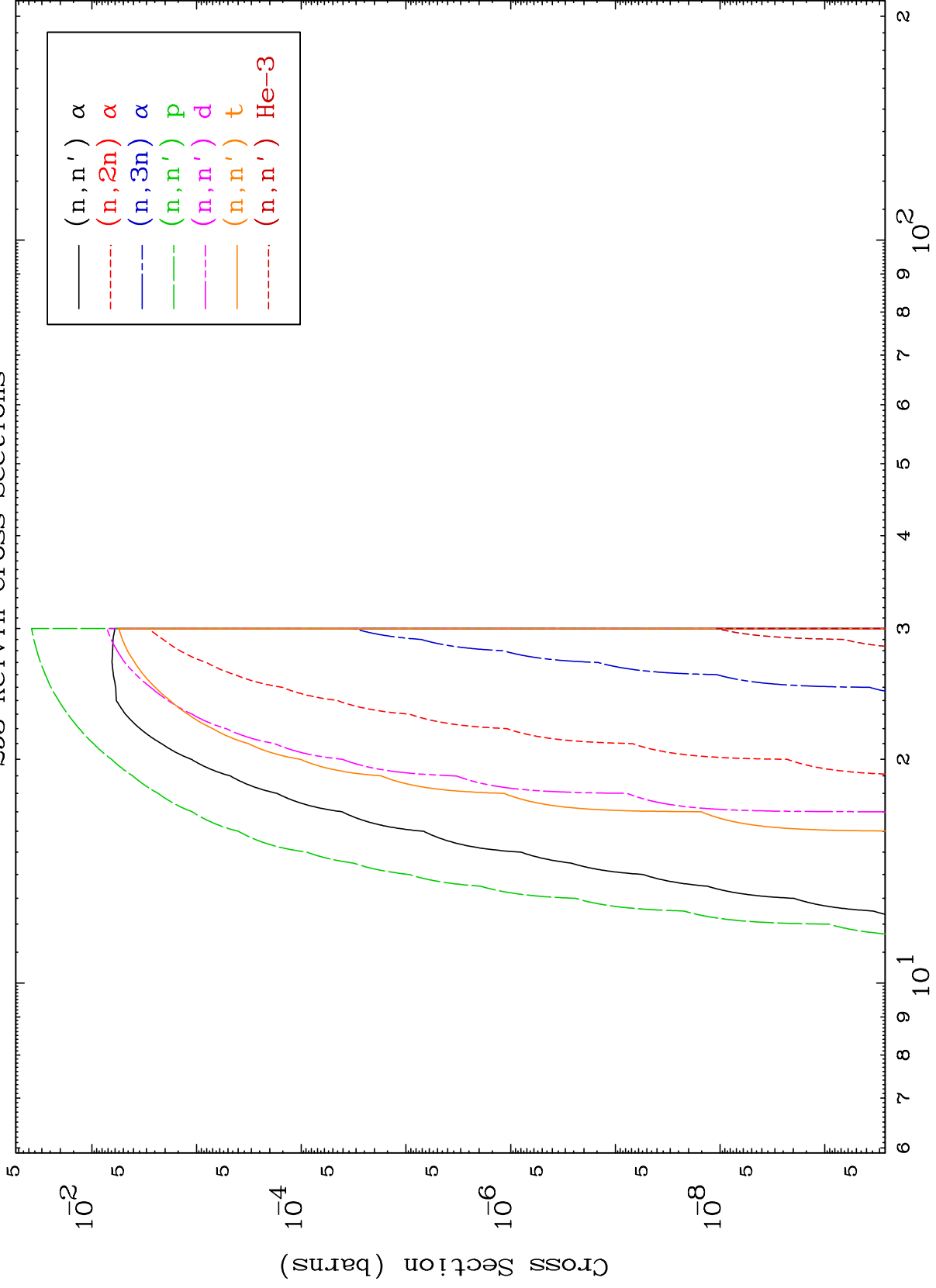
43-Tc-107



MAT 4349

Charged Particle  
293 Kelvin Cross Sections

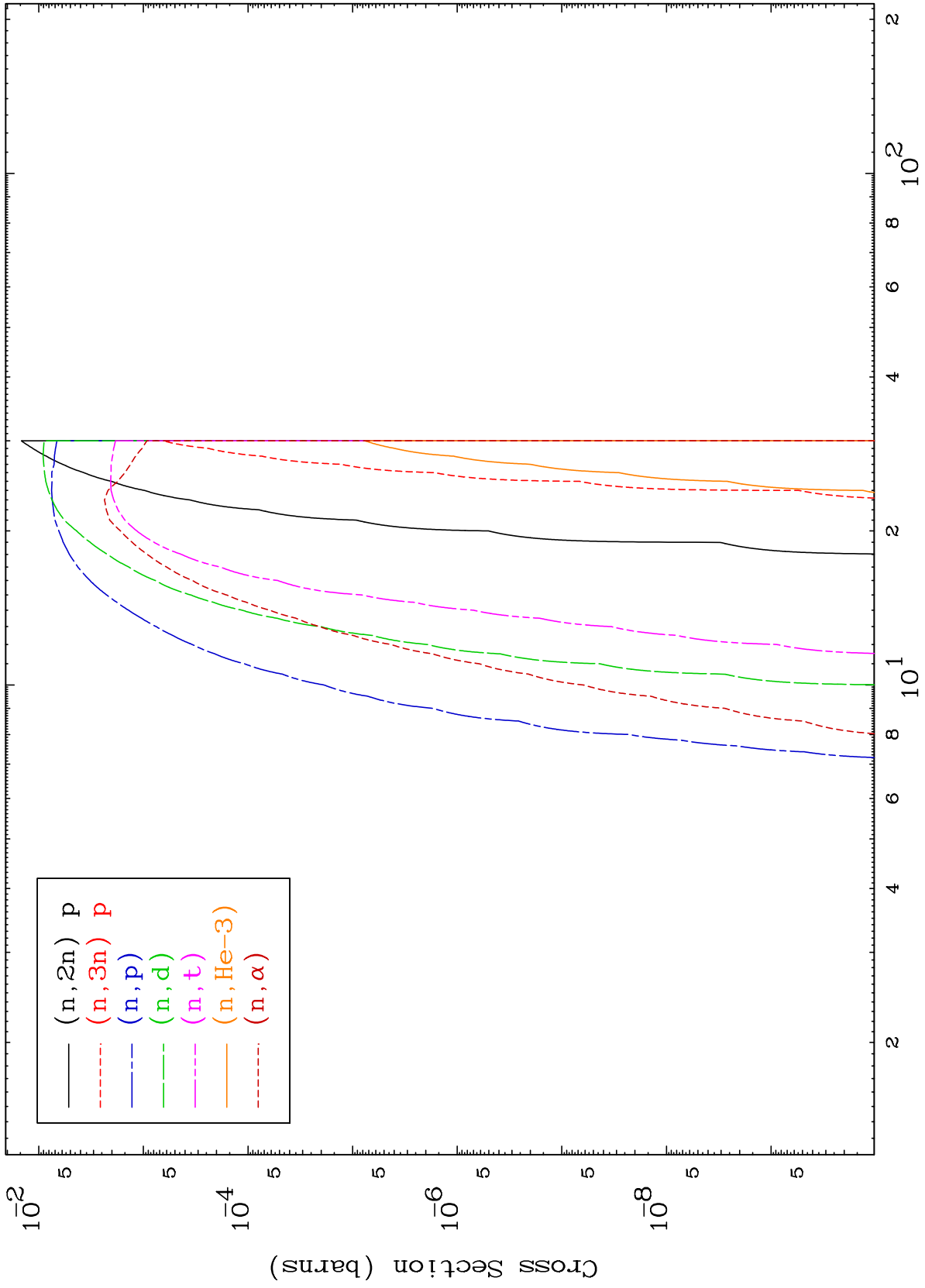
43-Tc-107



4

Incident Energy (MeV)

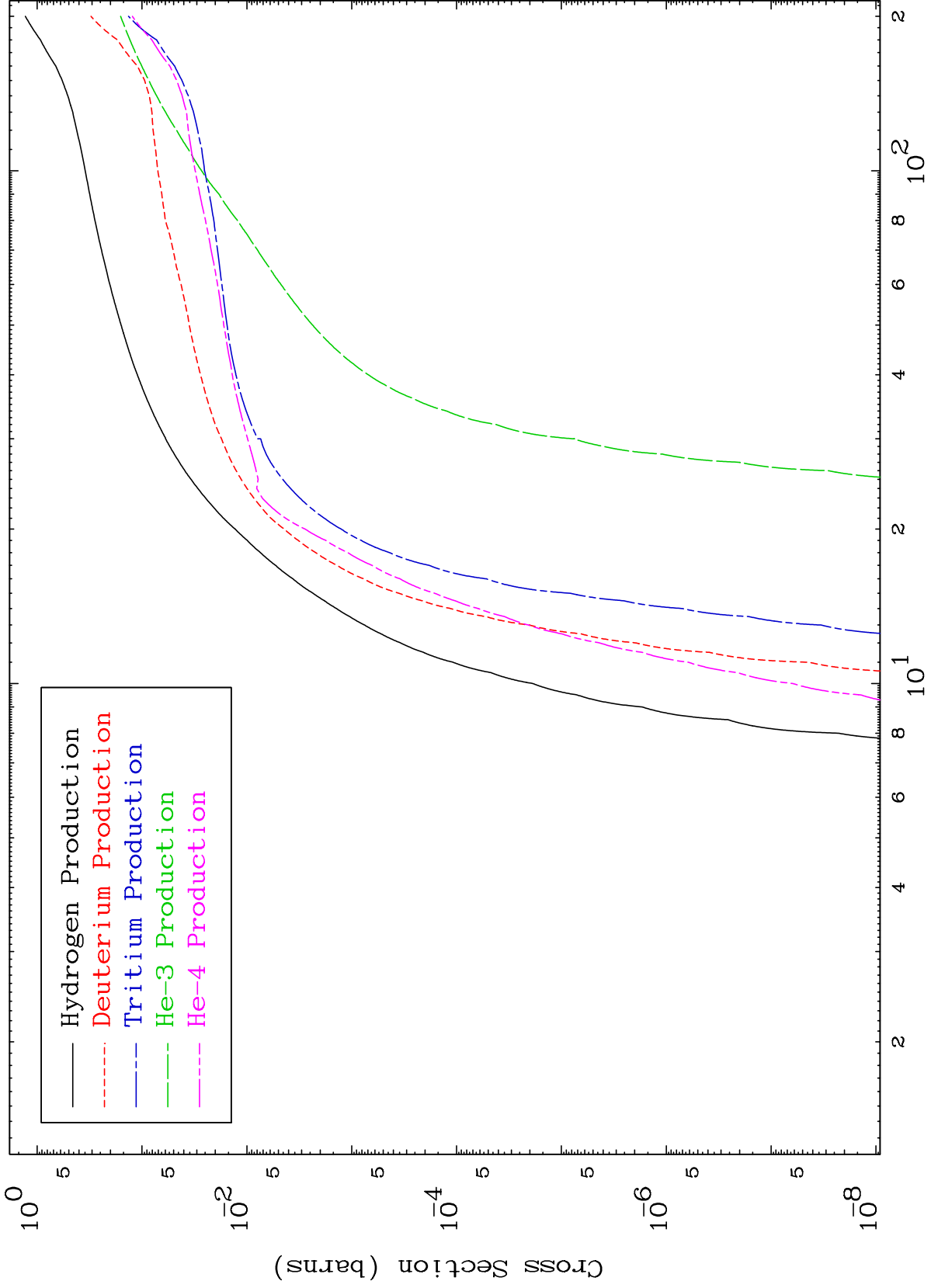
43-Tc-107



MAT 4349

Particle Production  
293 Kelvin Cross Sections

43-Tc-107



6

Incident Energy (MeV)

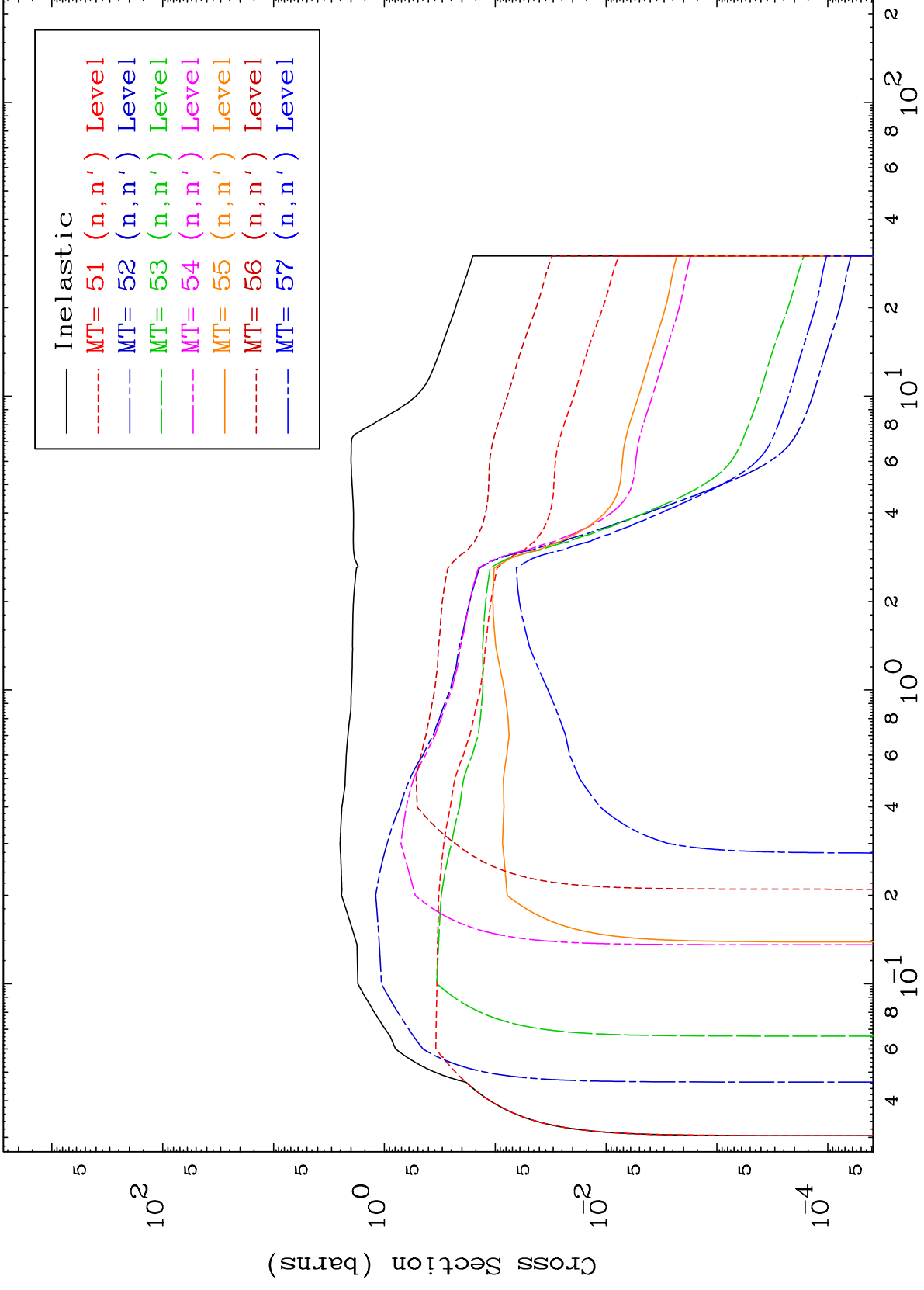
43-Tc-107

MAT 4349

(n,n') Level

43-Tc-107

293 Kelvin Cross Sections



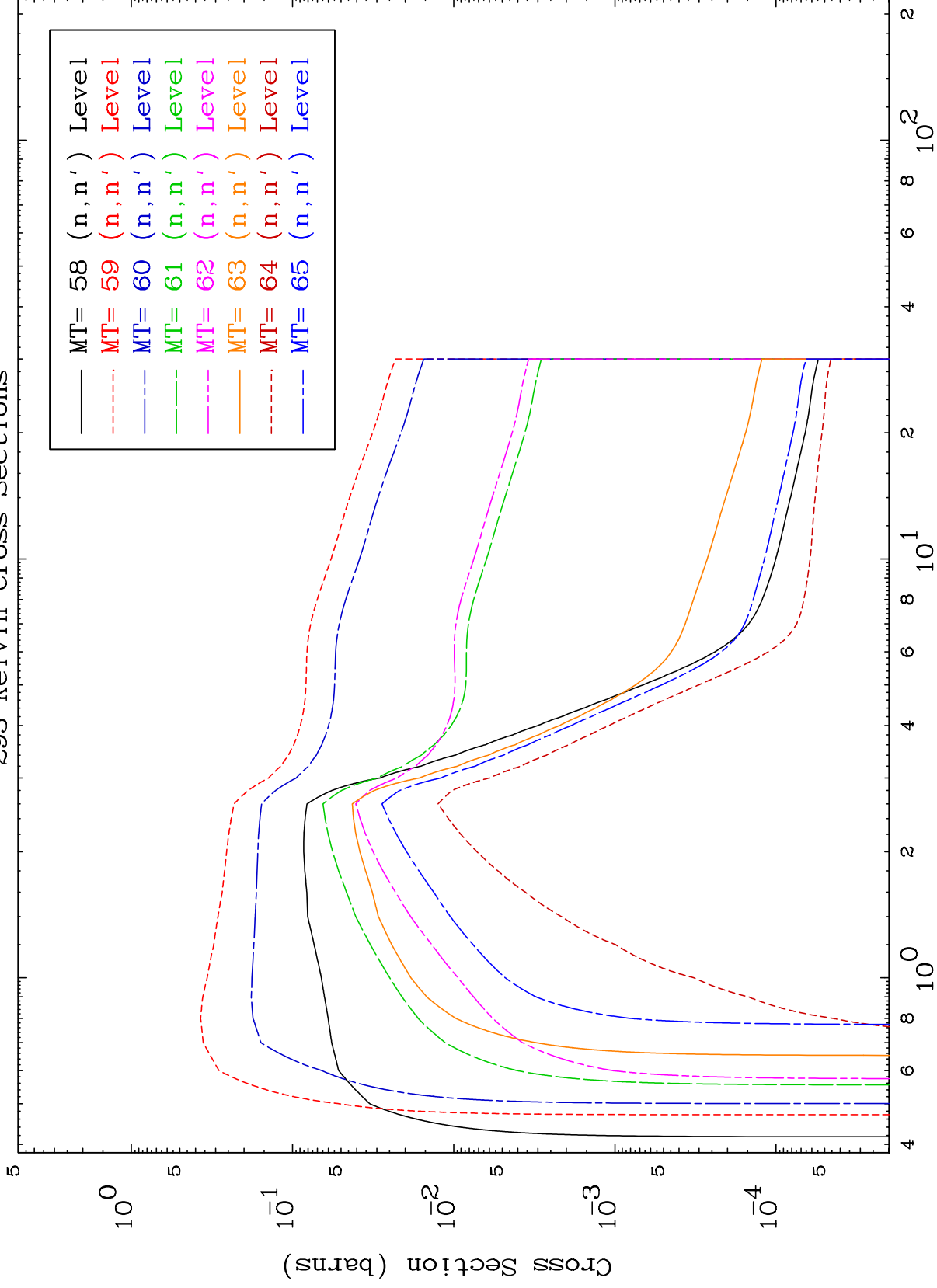


MAT 4349

(n,n') Level

43-Tc-107

293 Kelvin Cross Sections



Incident Energy (MeV)

43-Tc-107

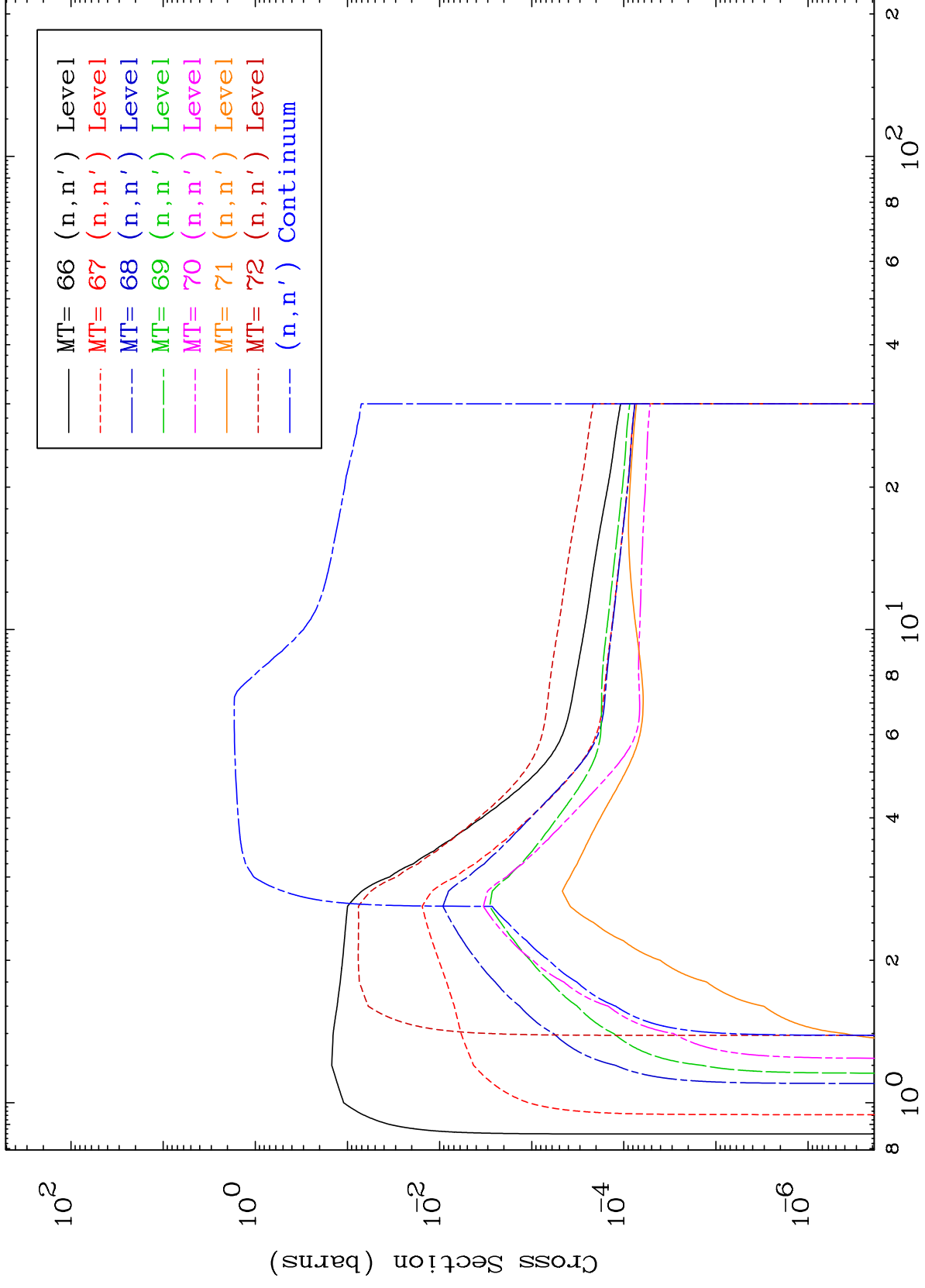
8

MAT 4349

(n,n') Level

43-Tc-107

293 Kelvin Cross Sections



9

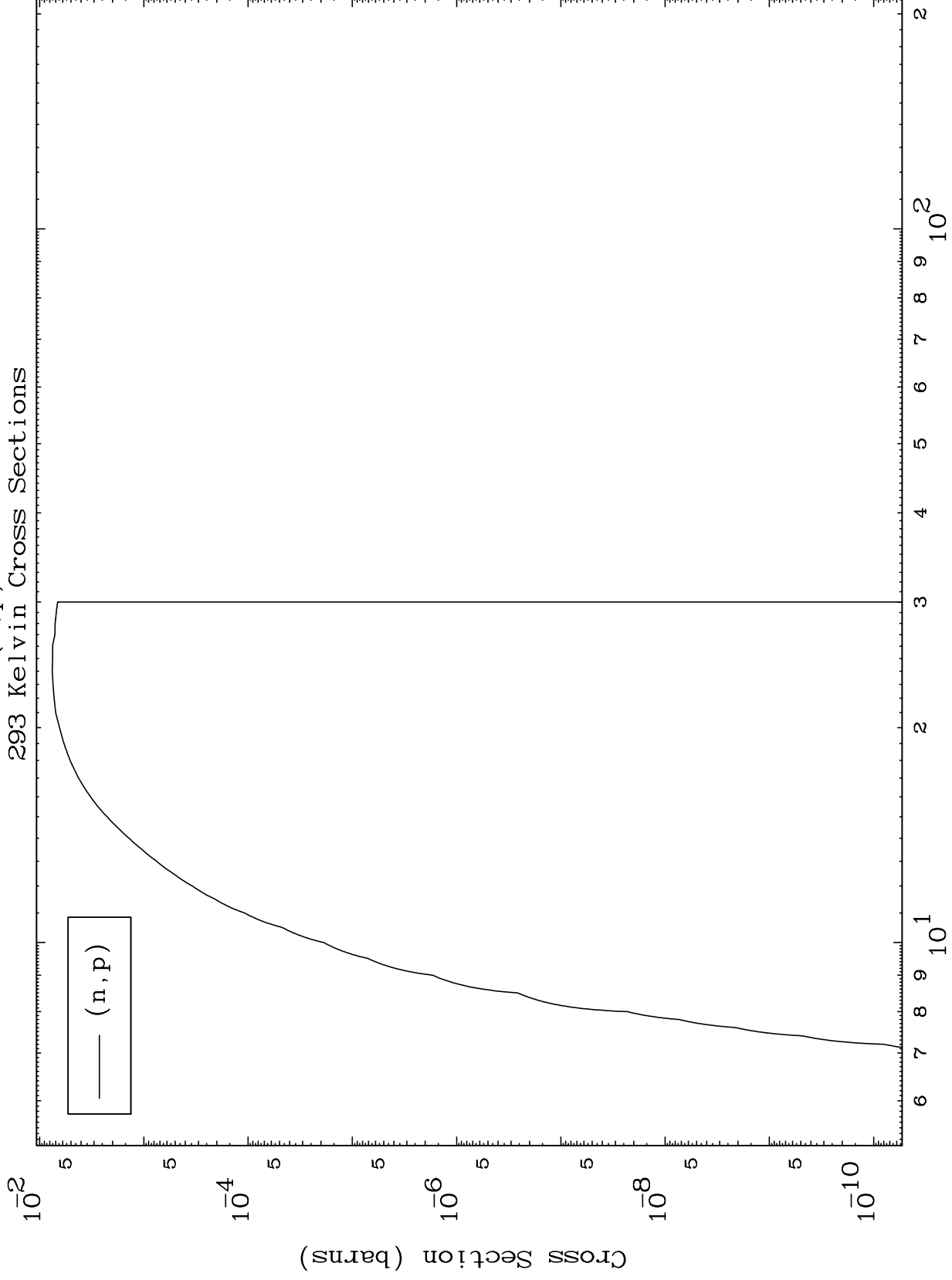
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,p) Levels  
293 Kelvin Cross Sections

43-Tc-107



10

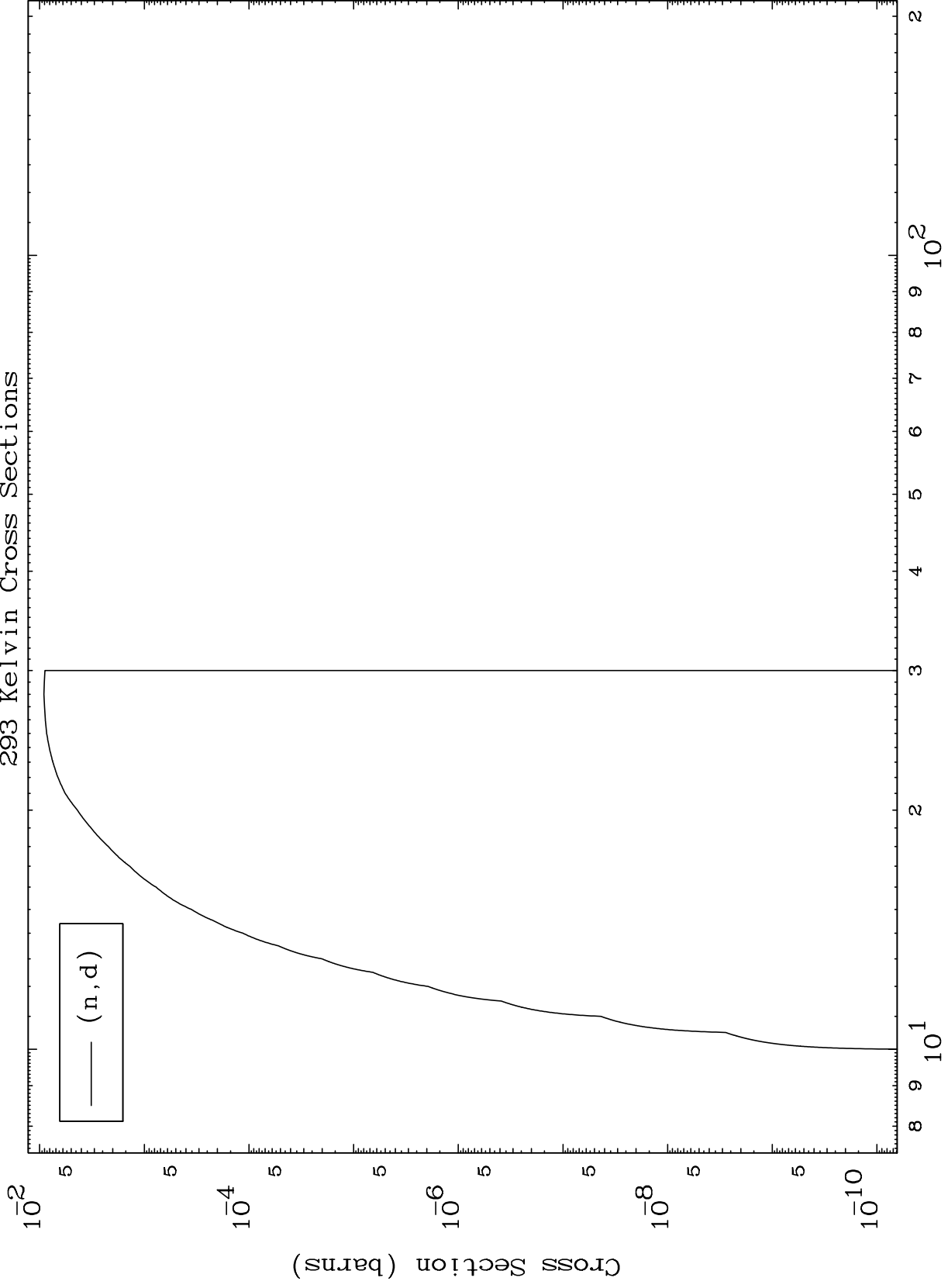
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,d) Levels  
293 Kelvin Cross Sections

43-Tc-107



11

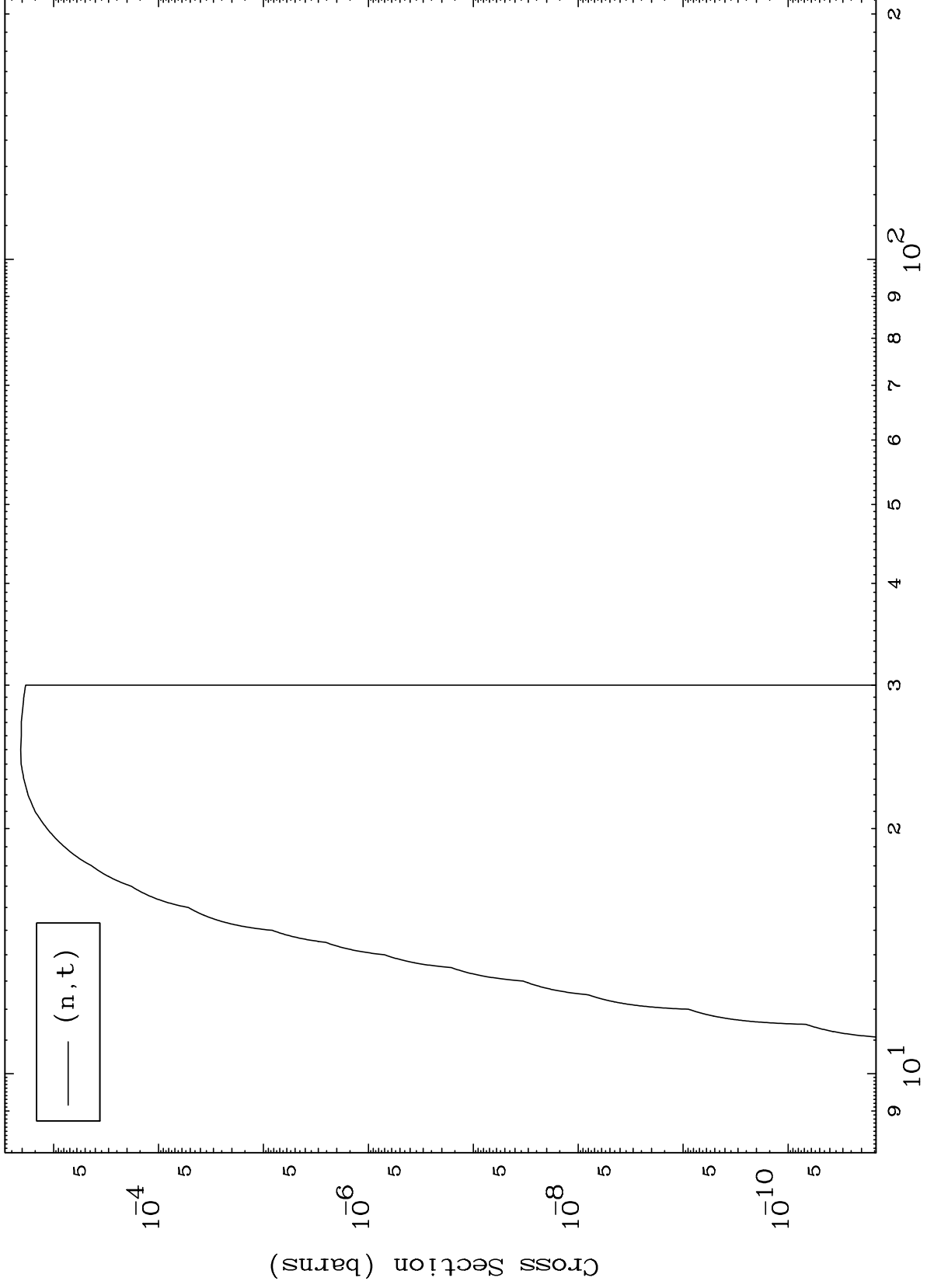
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,t) Levels  
293 Kelvin Cross Sections

43-Tc-107



12

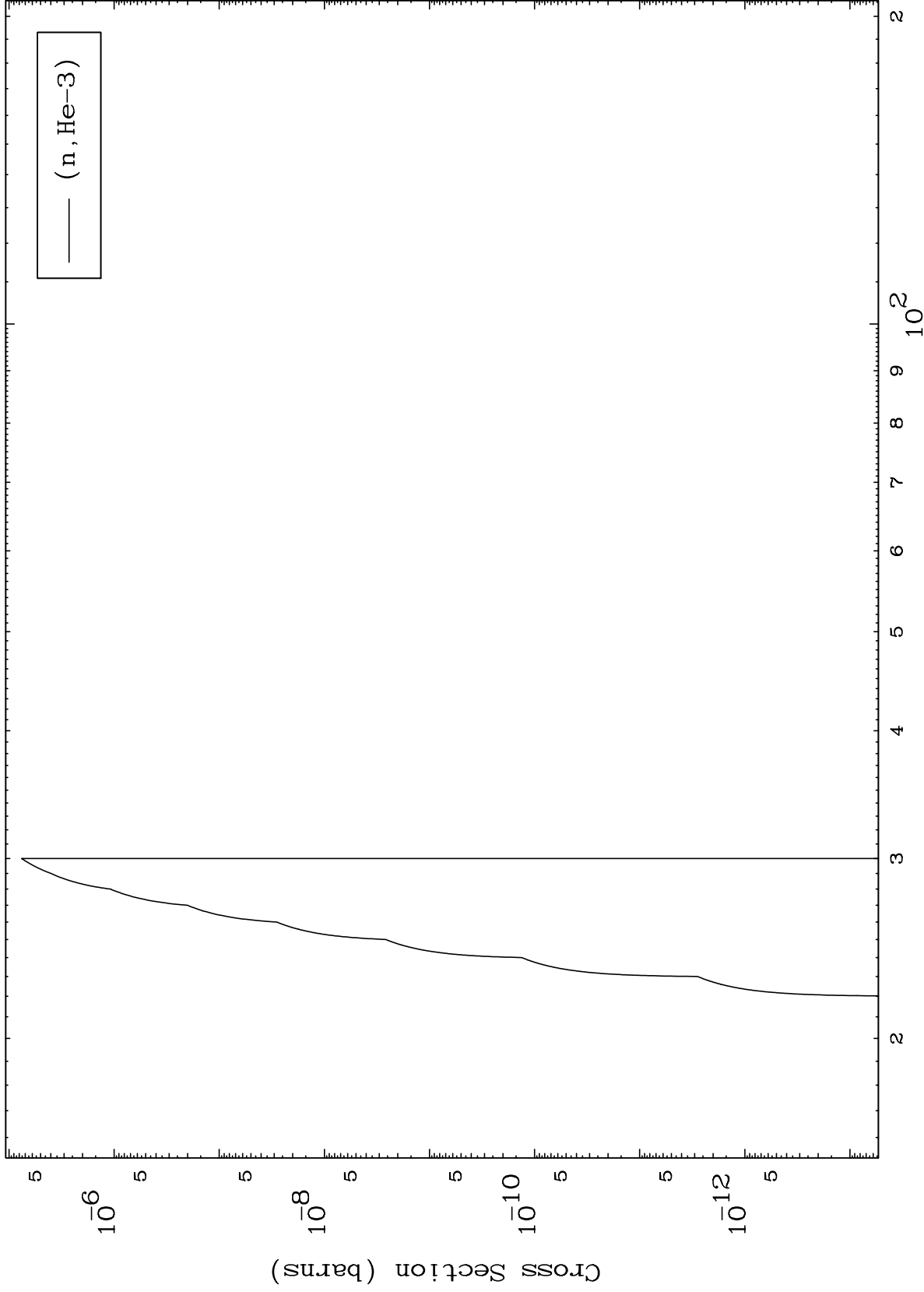
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,He3) Levels  
293 Kelvin Cross Sections

43-Tc-107



13

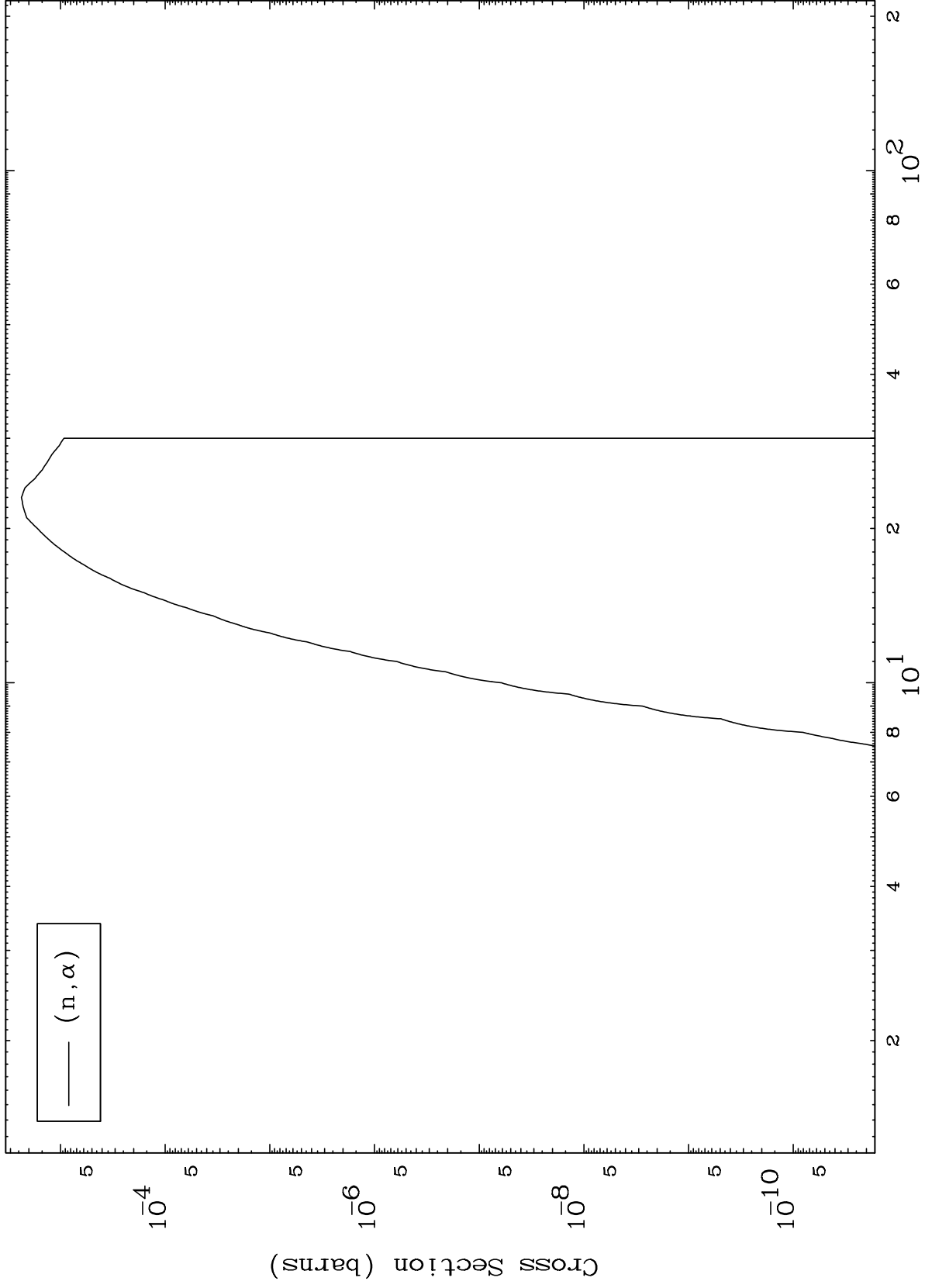
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

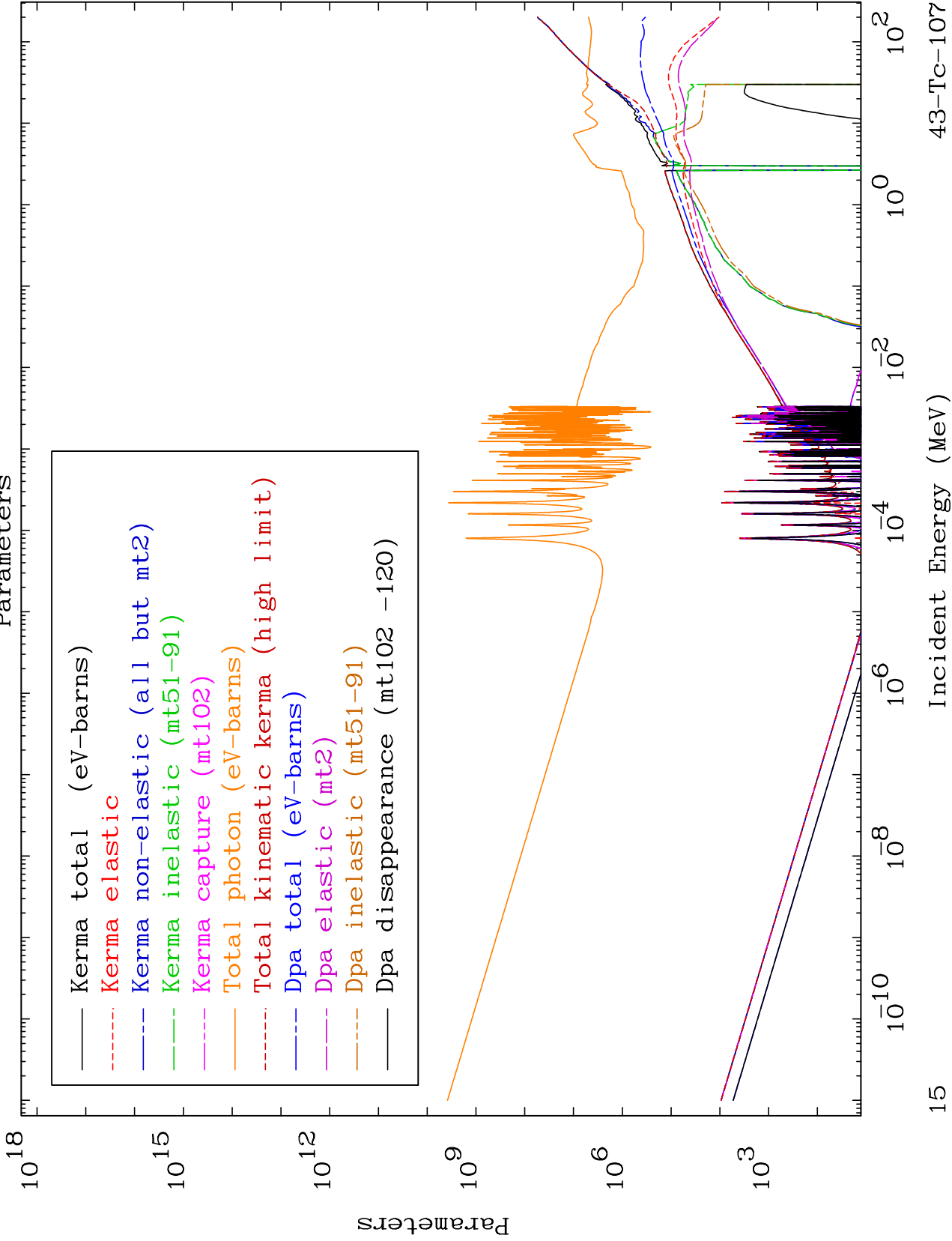
43-Tc-107



14

Incident Energy (MeV)

43-Tc-107

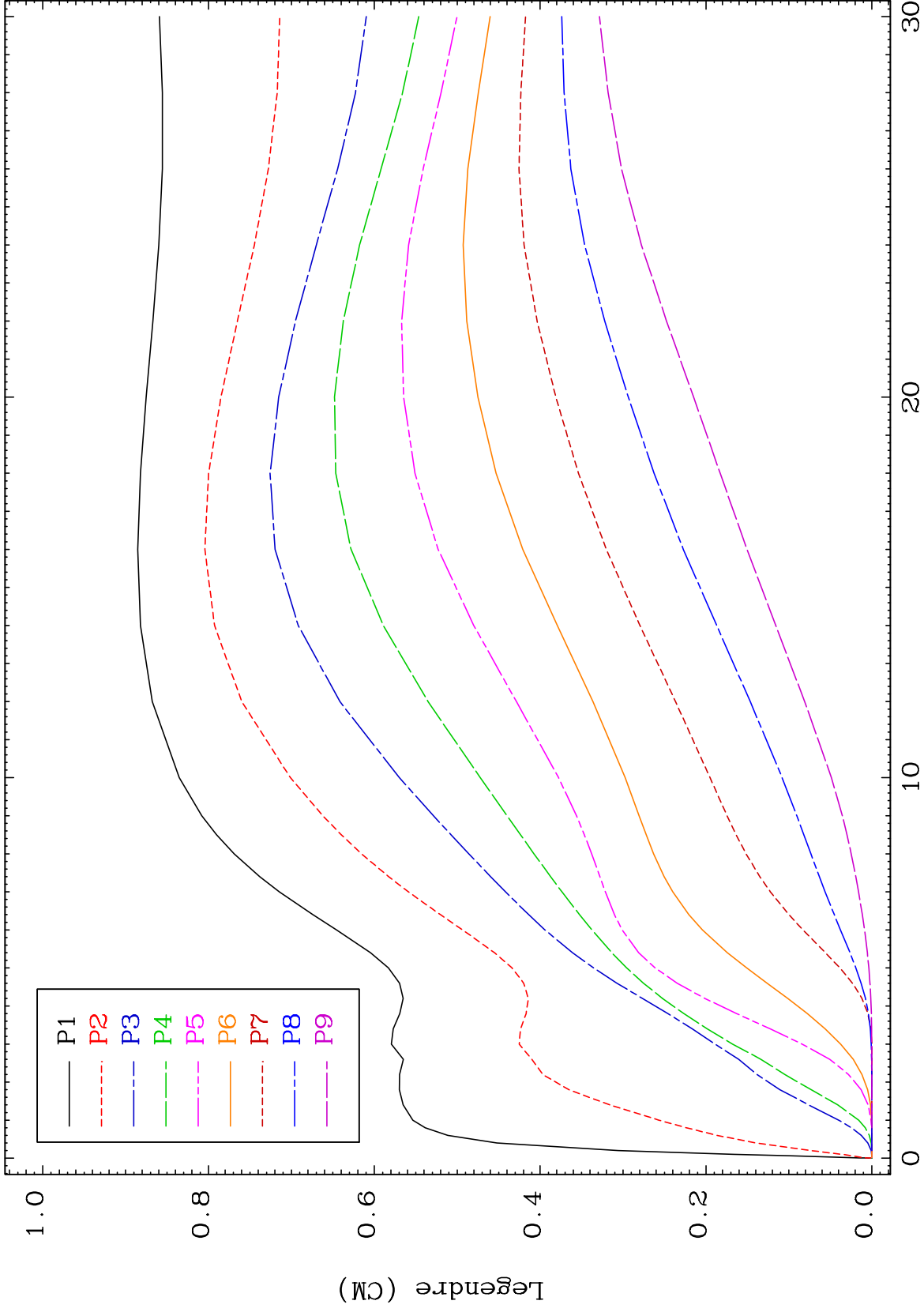




MAT 4349

Elastic Legendre Coefficients

43-Tc-107



16

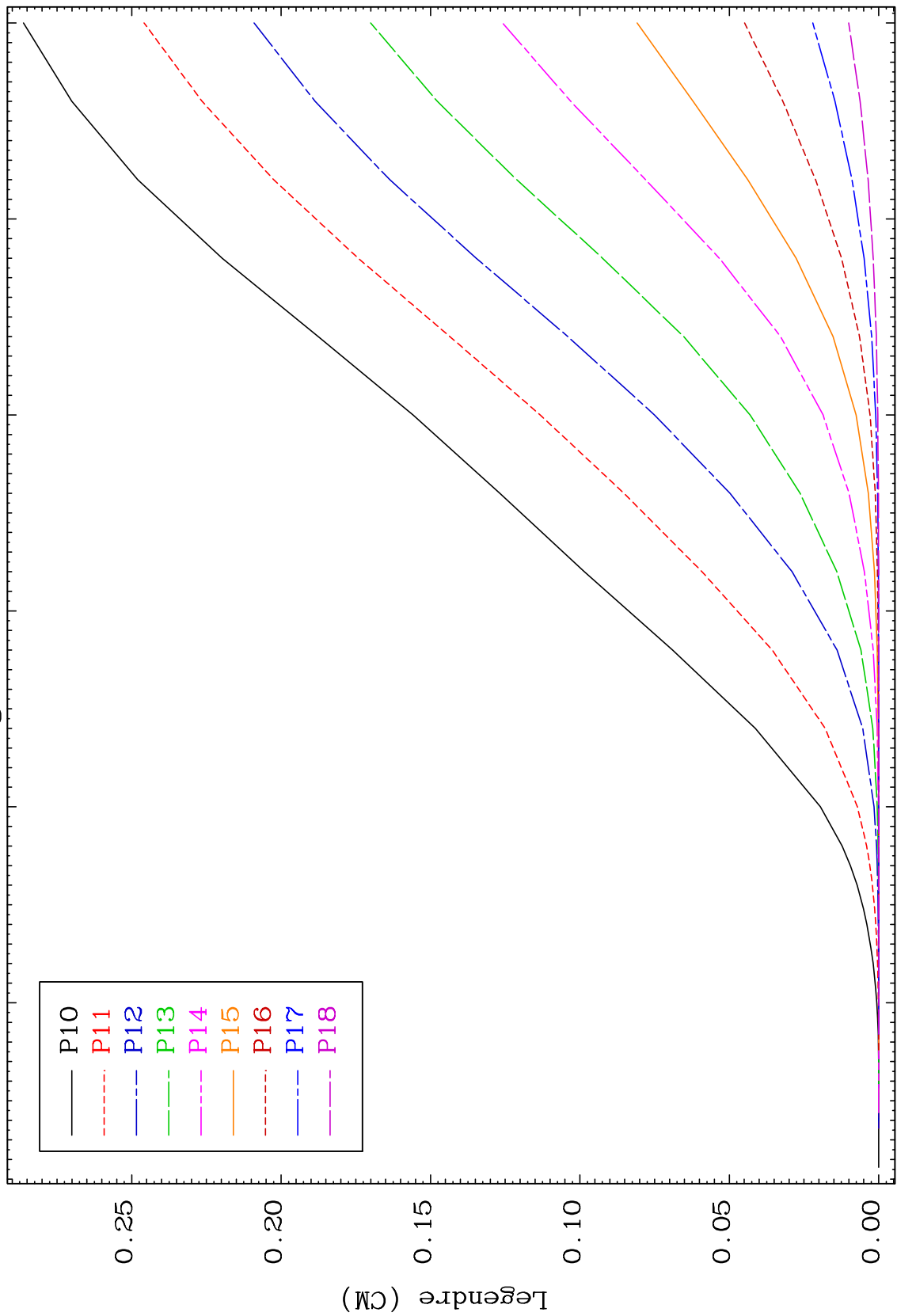
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic Legendre Coefficients

43-Tc-107



17

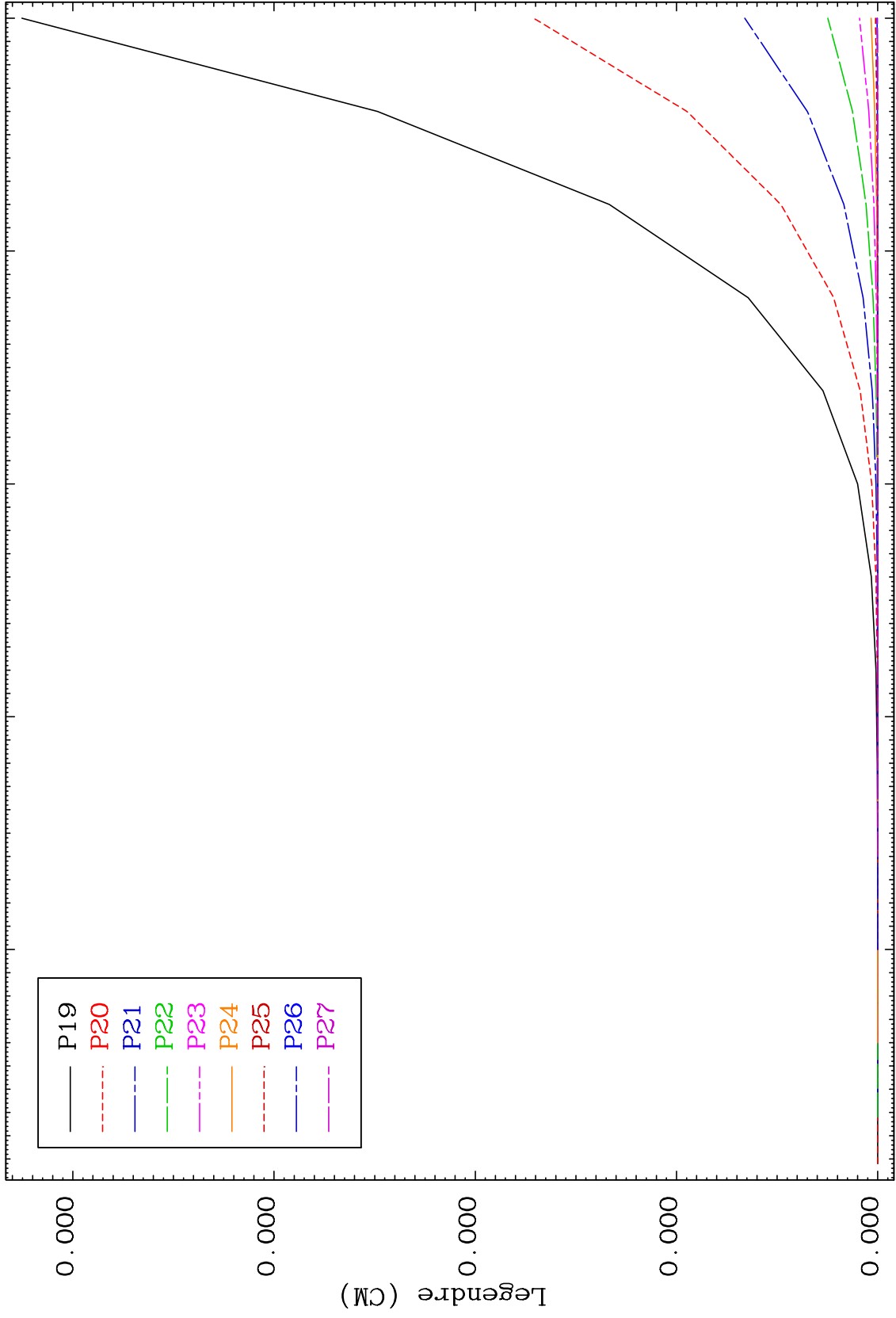
43-Tc-107

Incident Energy (MeV)

MAT 4349

### Elastic Legendre Coefficients

43-Tc-107



18

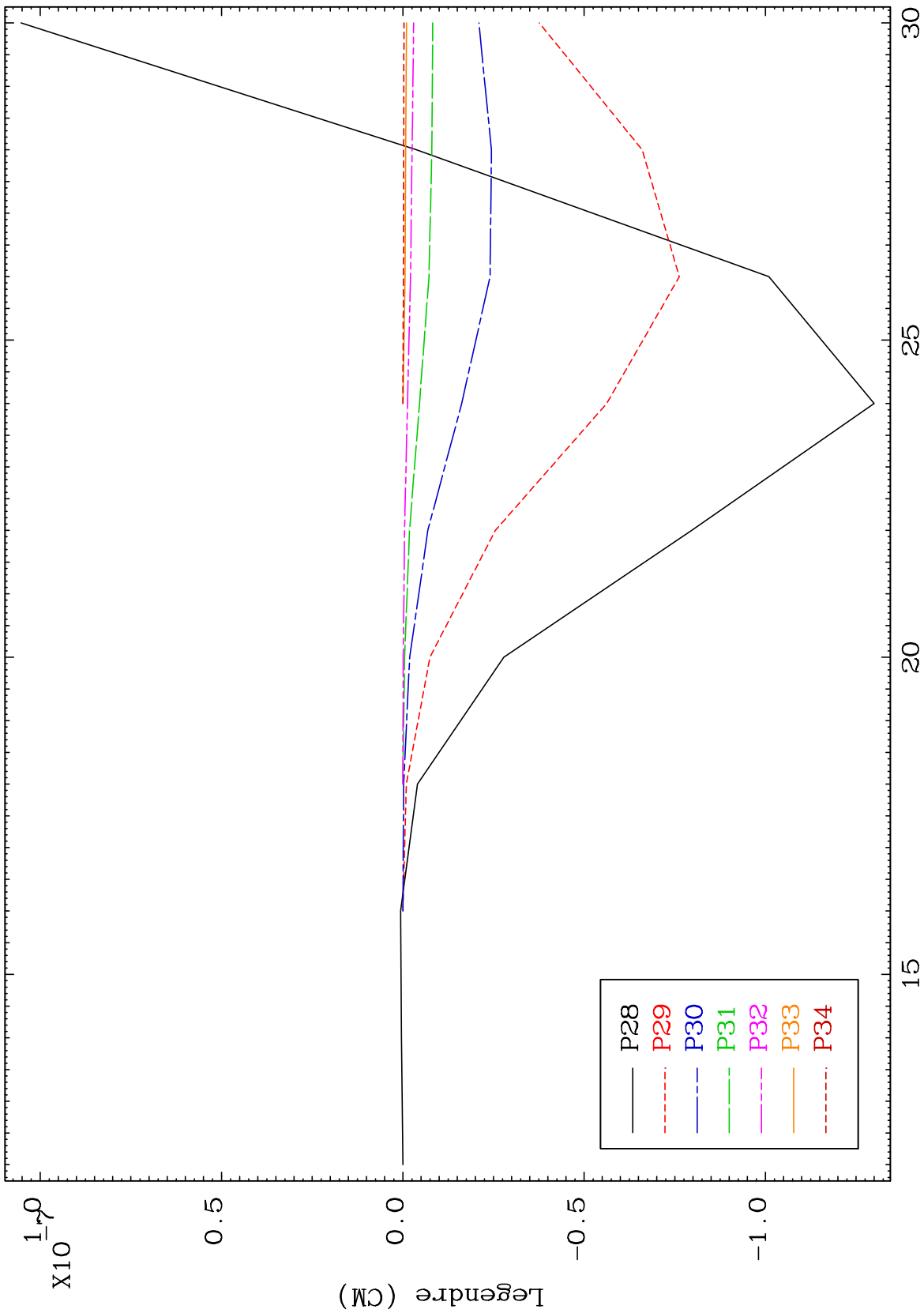
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic  
Legendre Coefficients

43-Tc-107



19

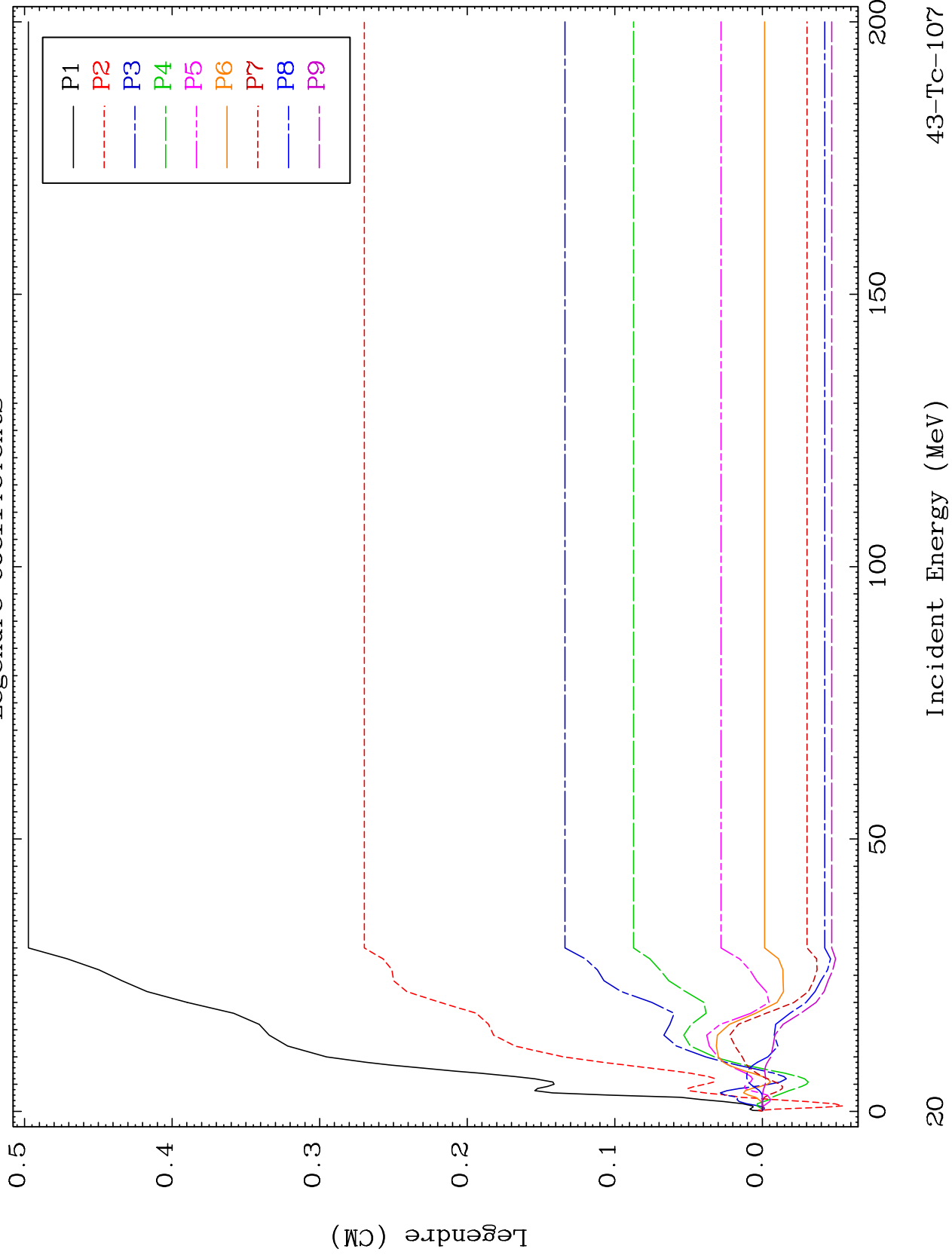
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



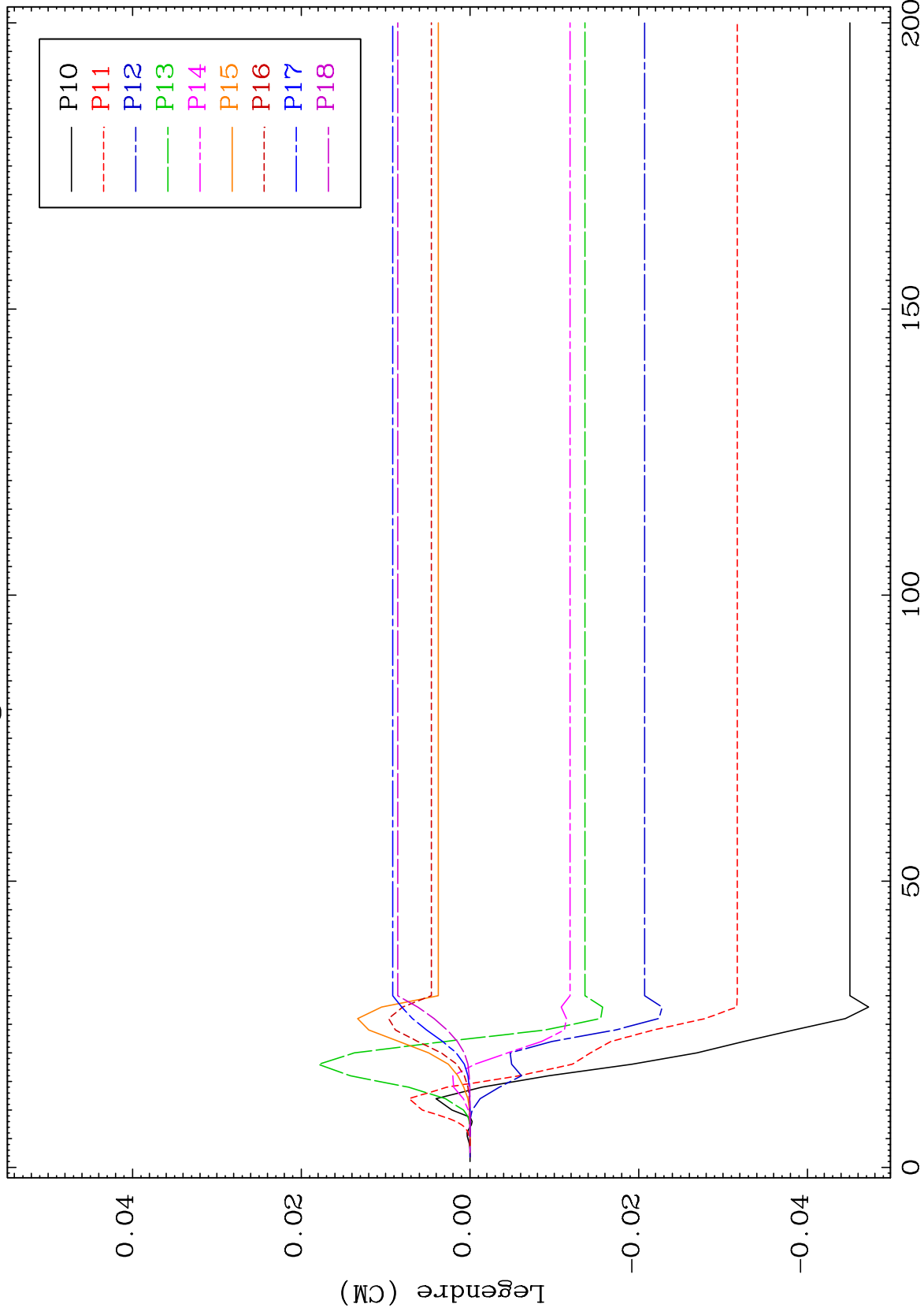
43-Tc-107

Incident Energy (MeV)

MAT 4349

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

43-Tc-107



21

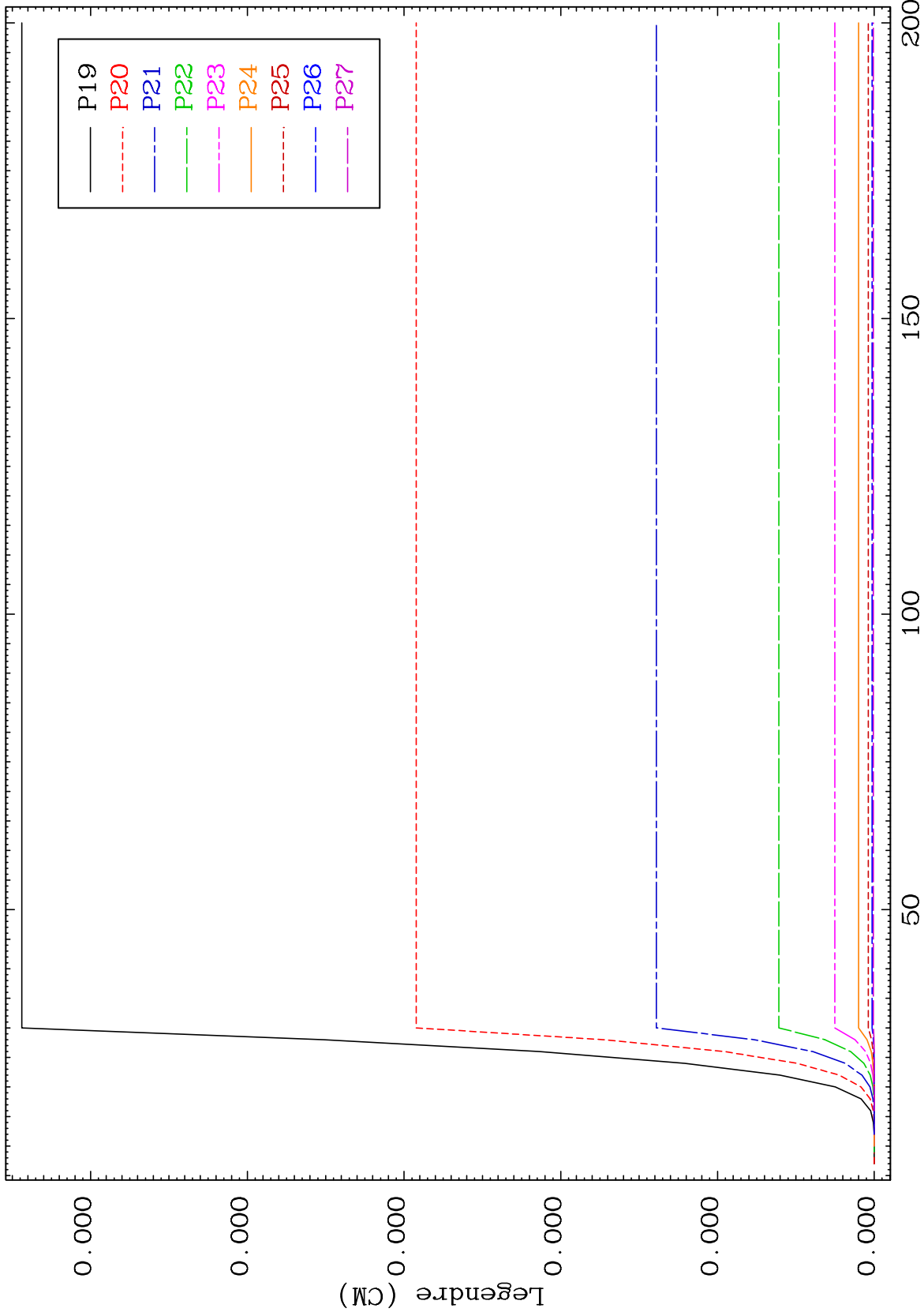
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



22

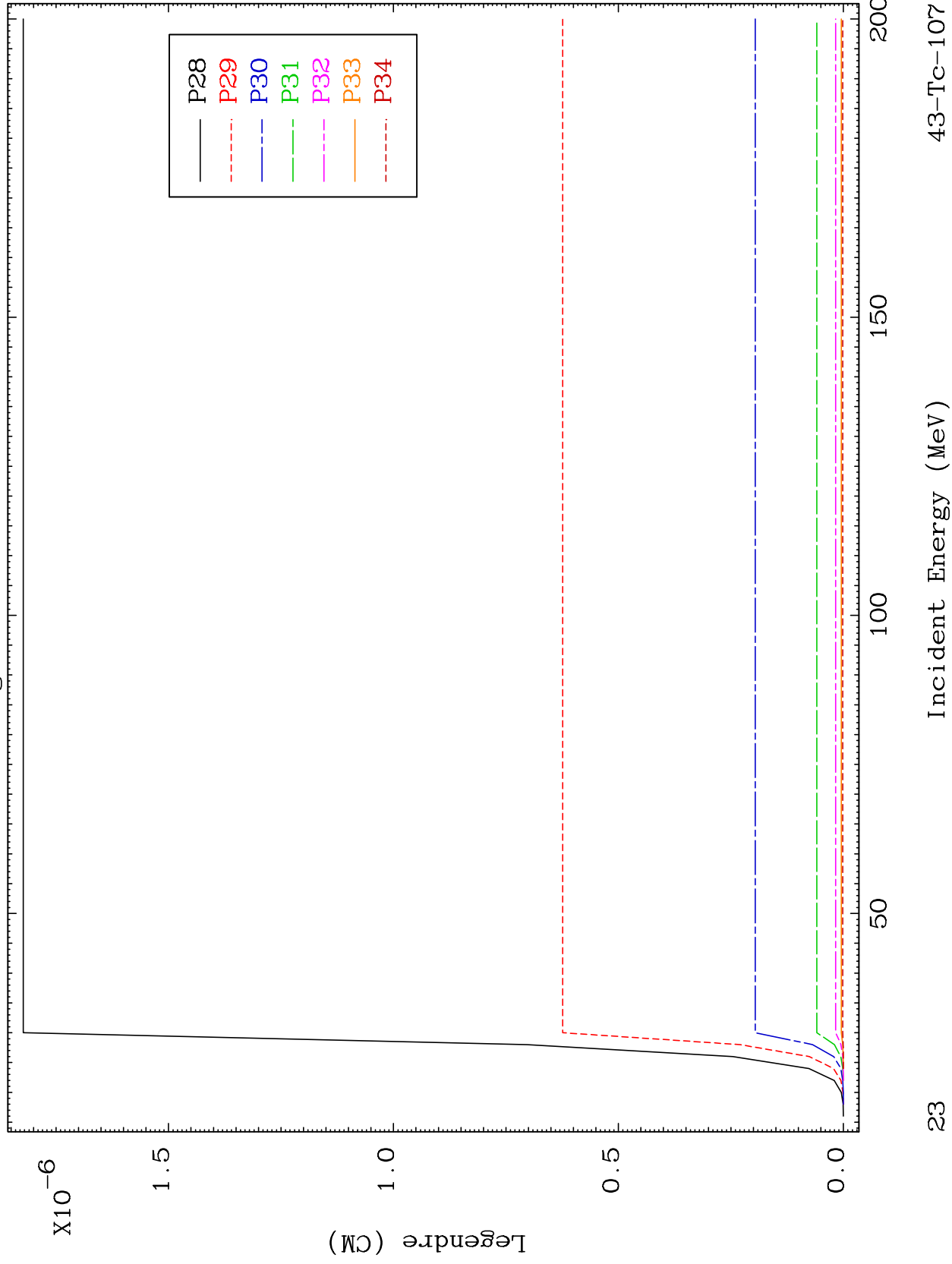
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



23

Incident Energy (MeV)

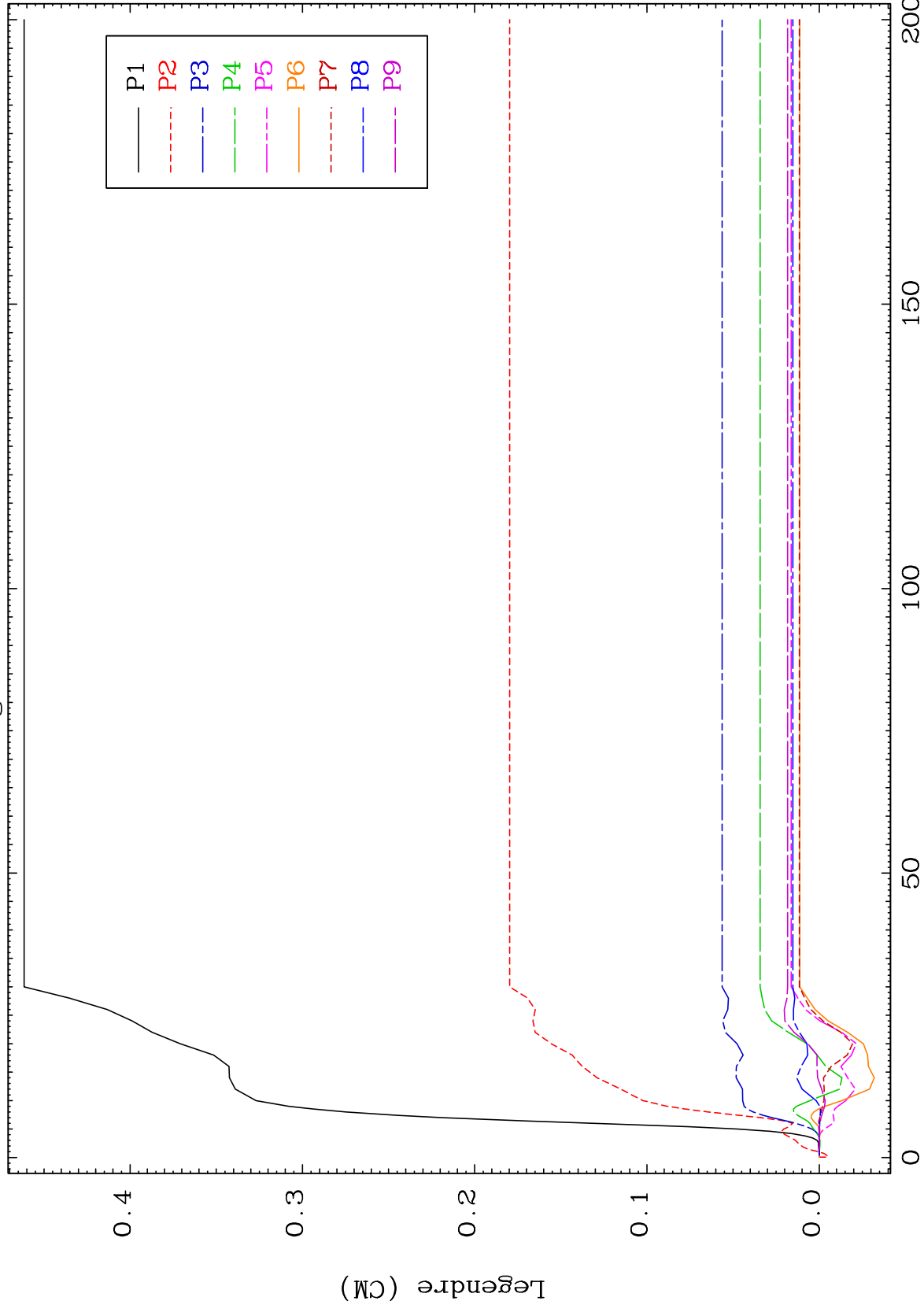
43-Tc-107



MAT 4349

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

43-Tc-107



24

Incident Energy (MeV)

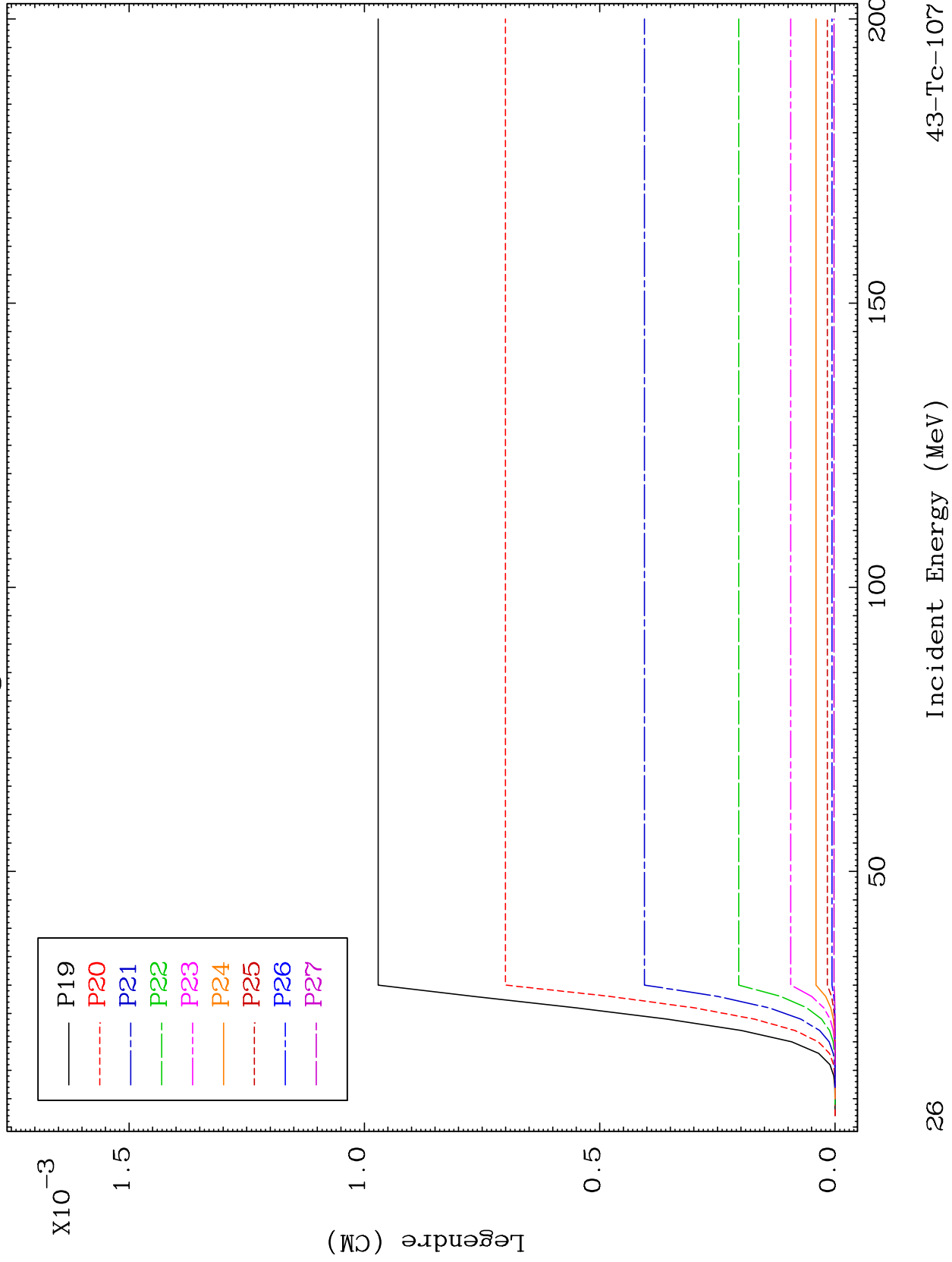
43-Tc-107



MAT 4349

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

43-Tc-107

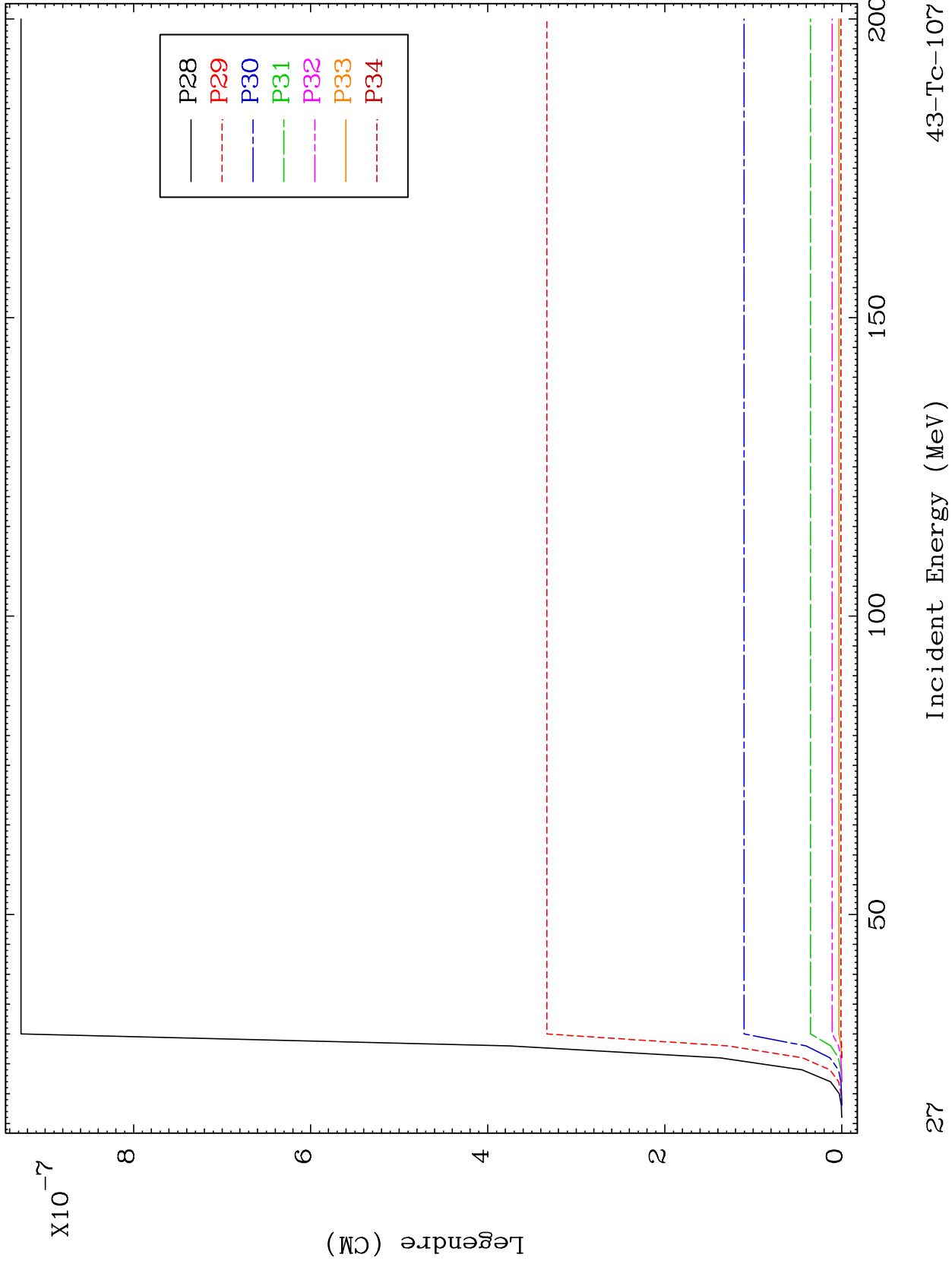


26

MAT 4349

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

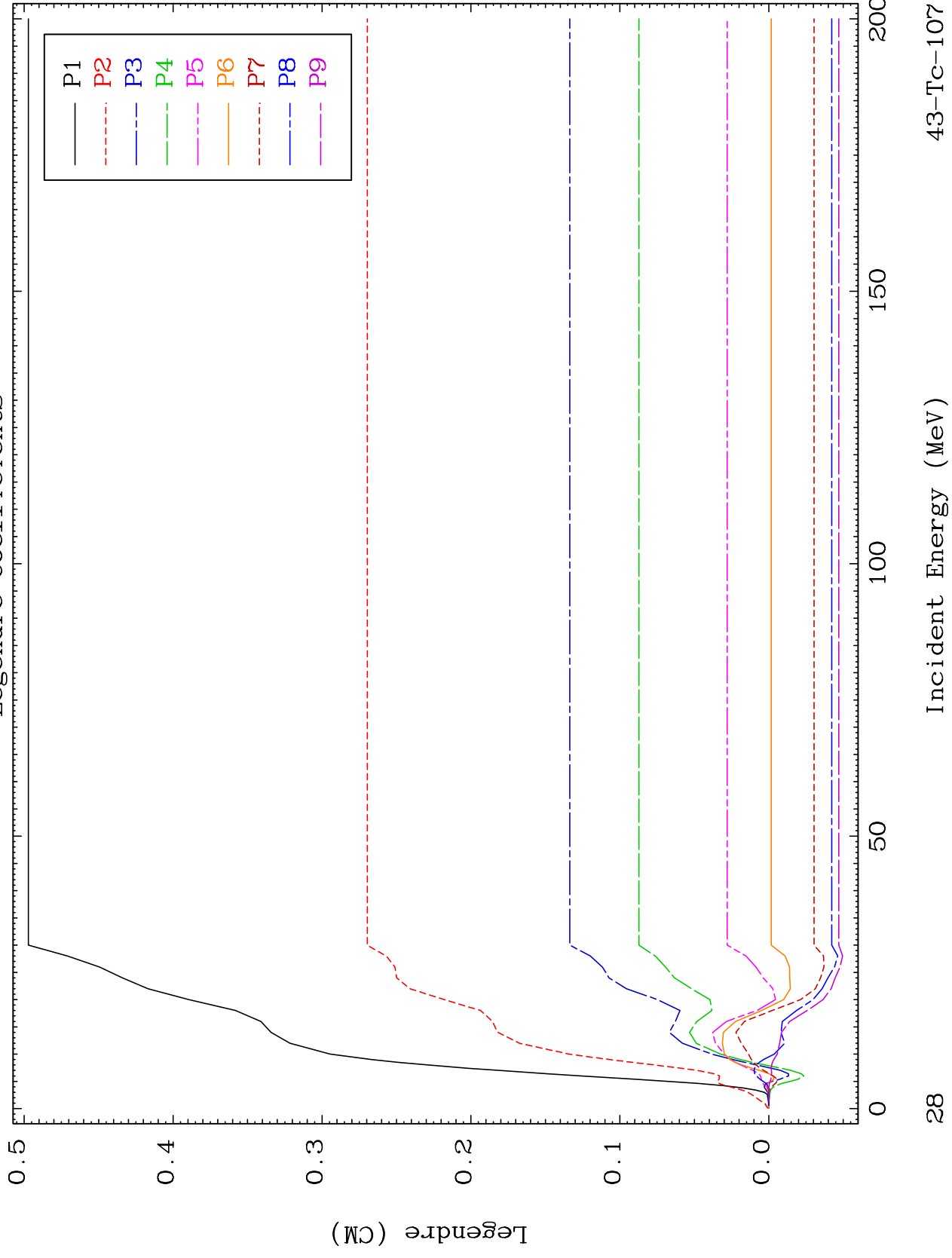
43-Tc-107



MAT 4349

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

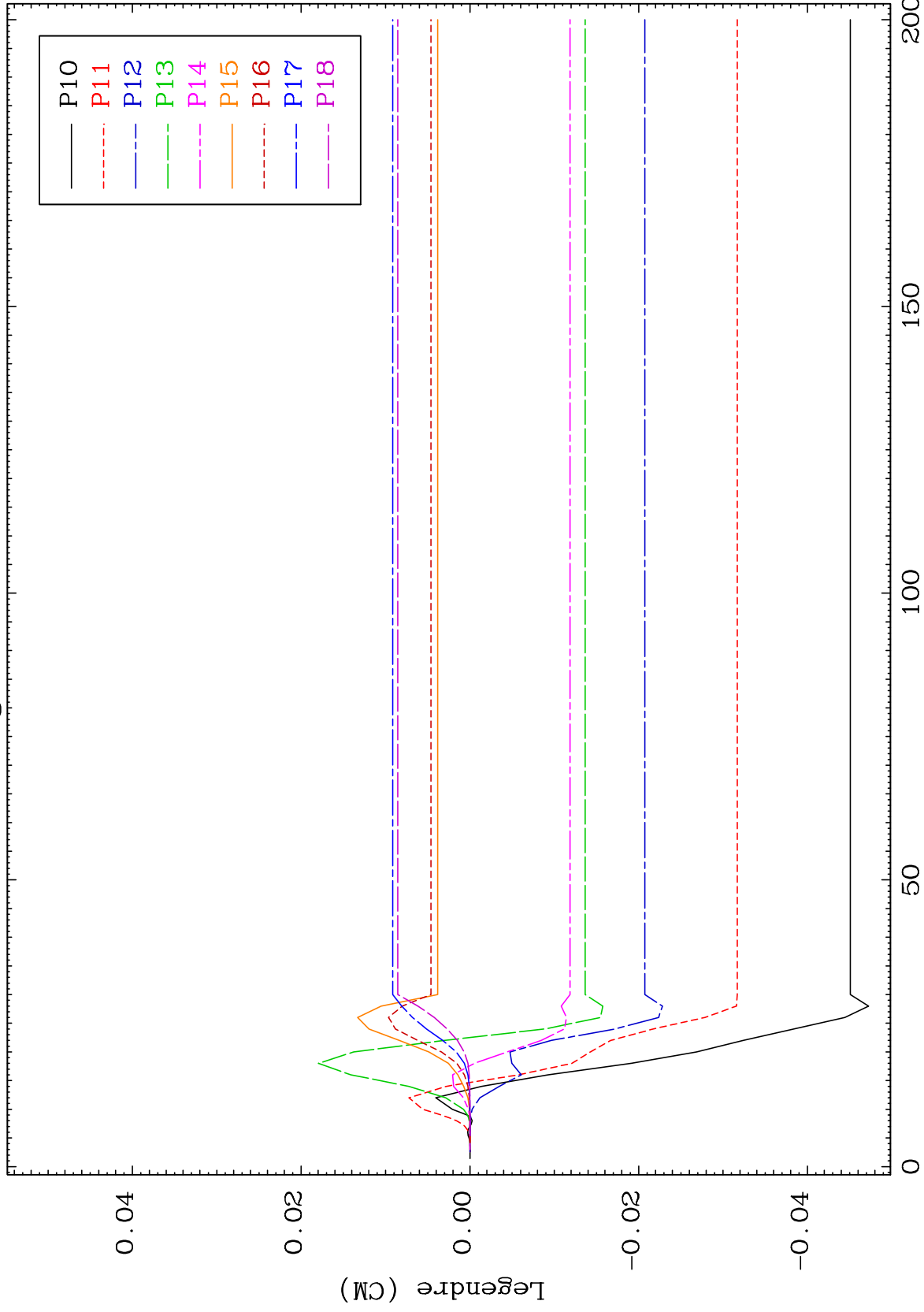
43-Tc-107



MAT 4349

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

43-Tc-107



29

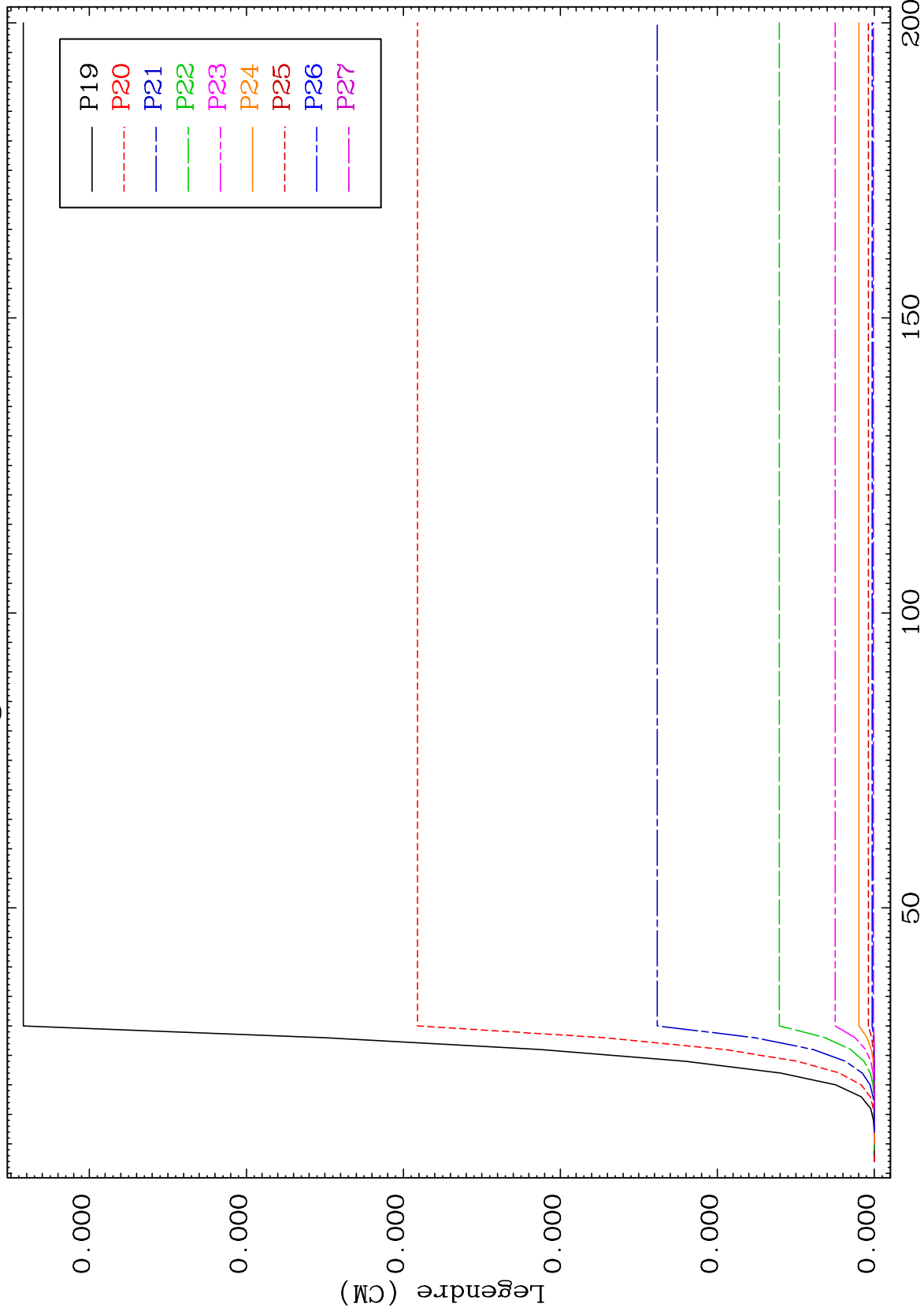
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



30

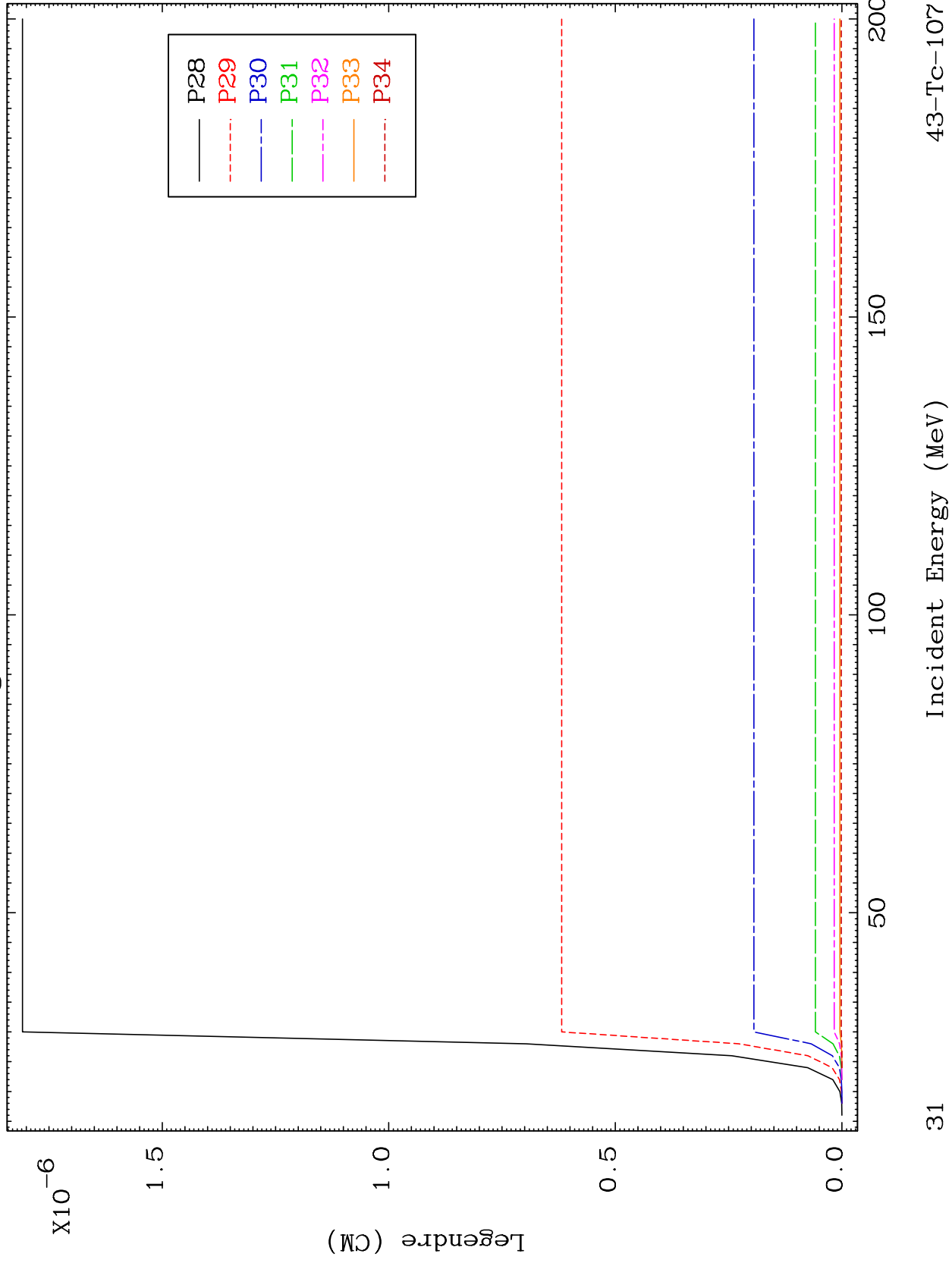
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



31

Incident Energy (MeV)

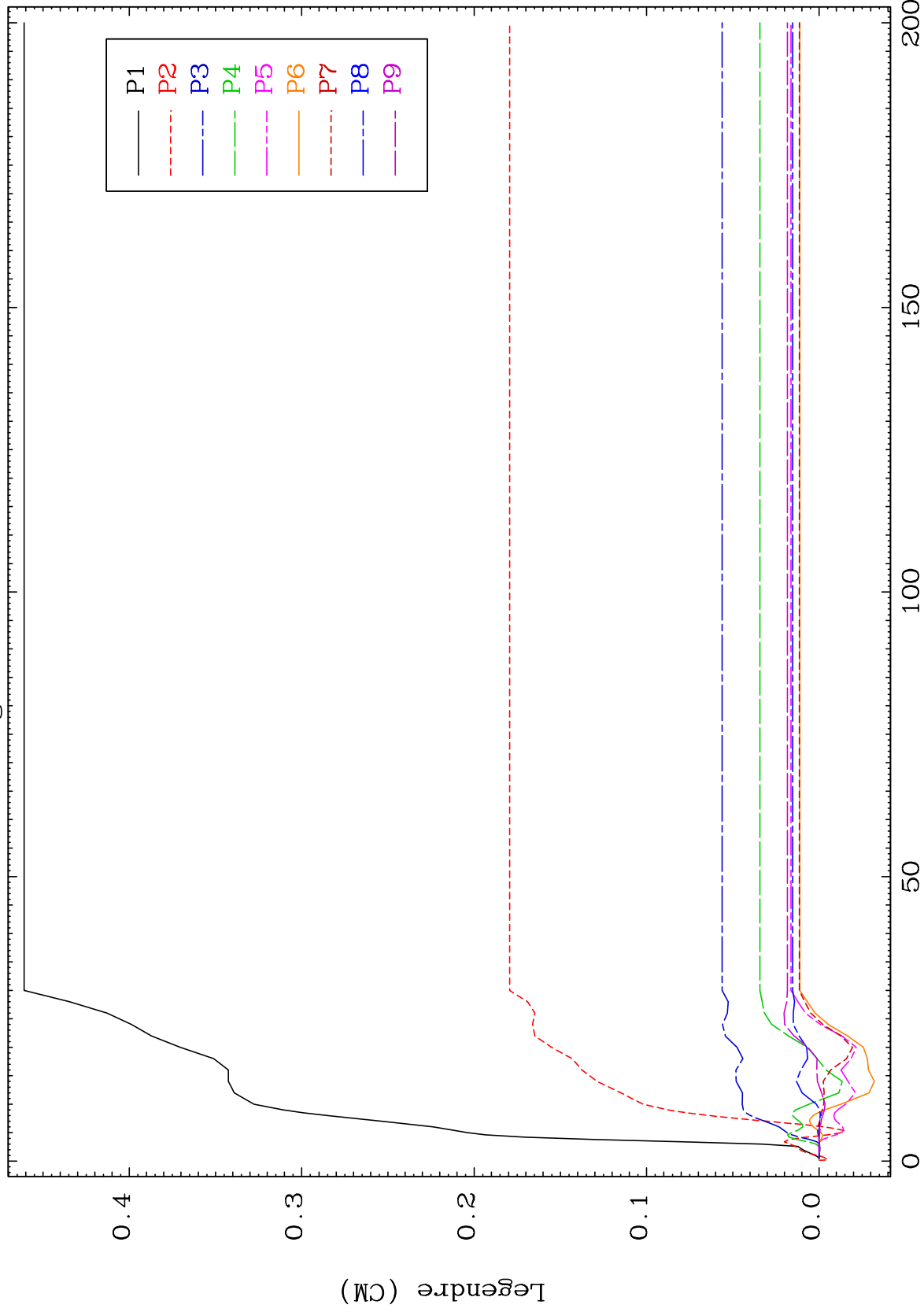
43-Tc-107



MAT 4349

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

43-Tc-107



32

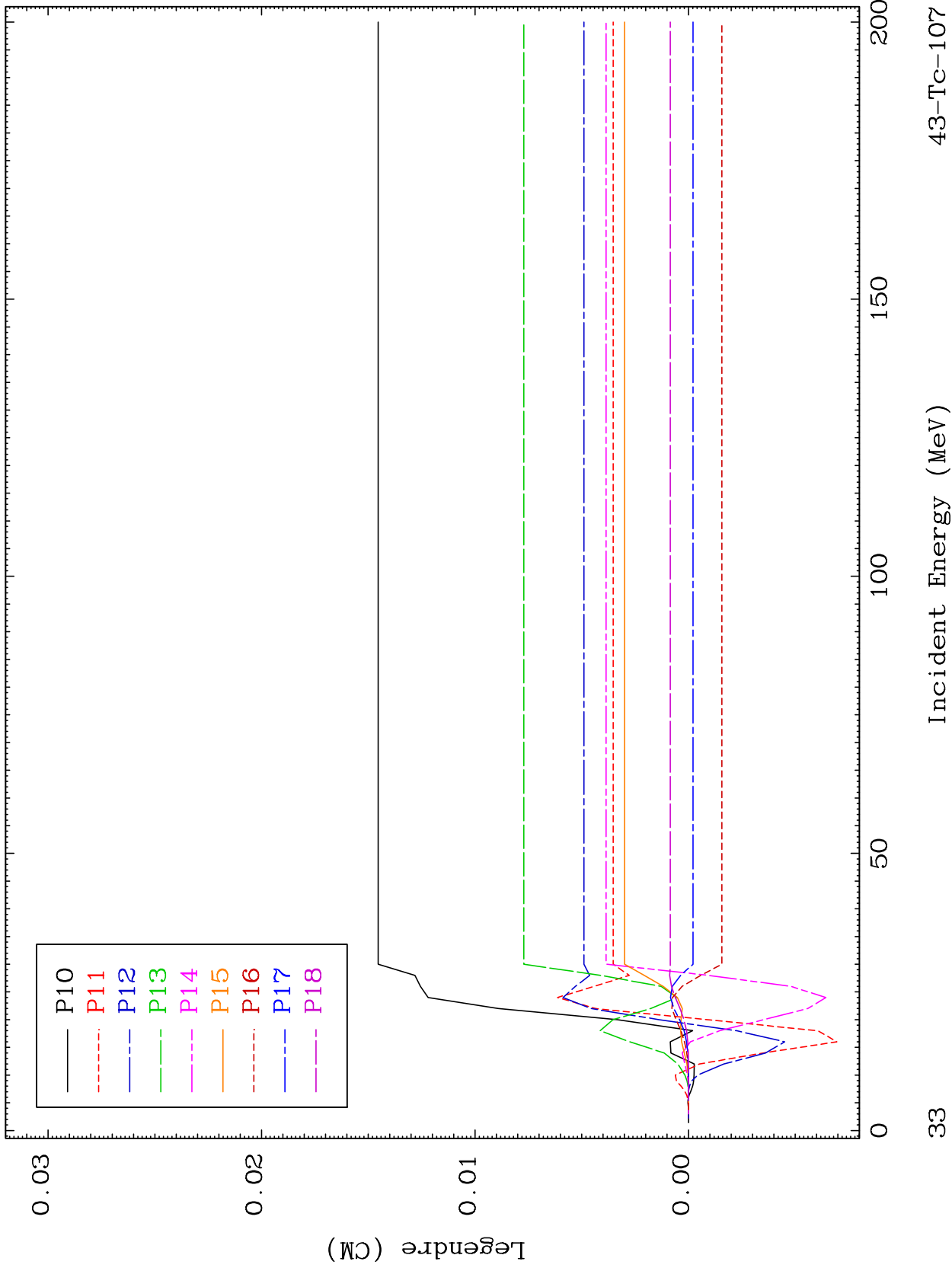
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43-Tc-107

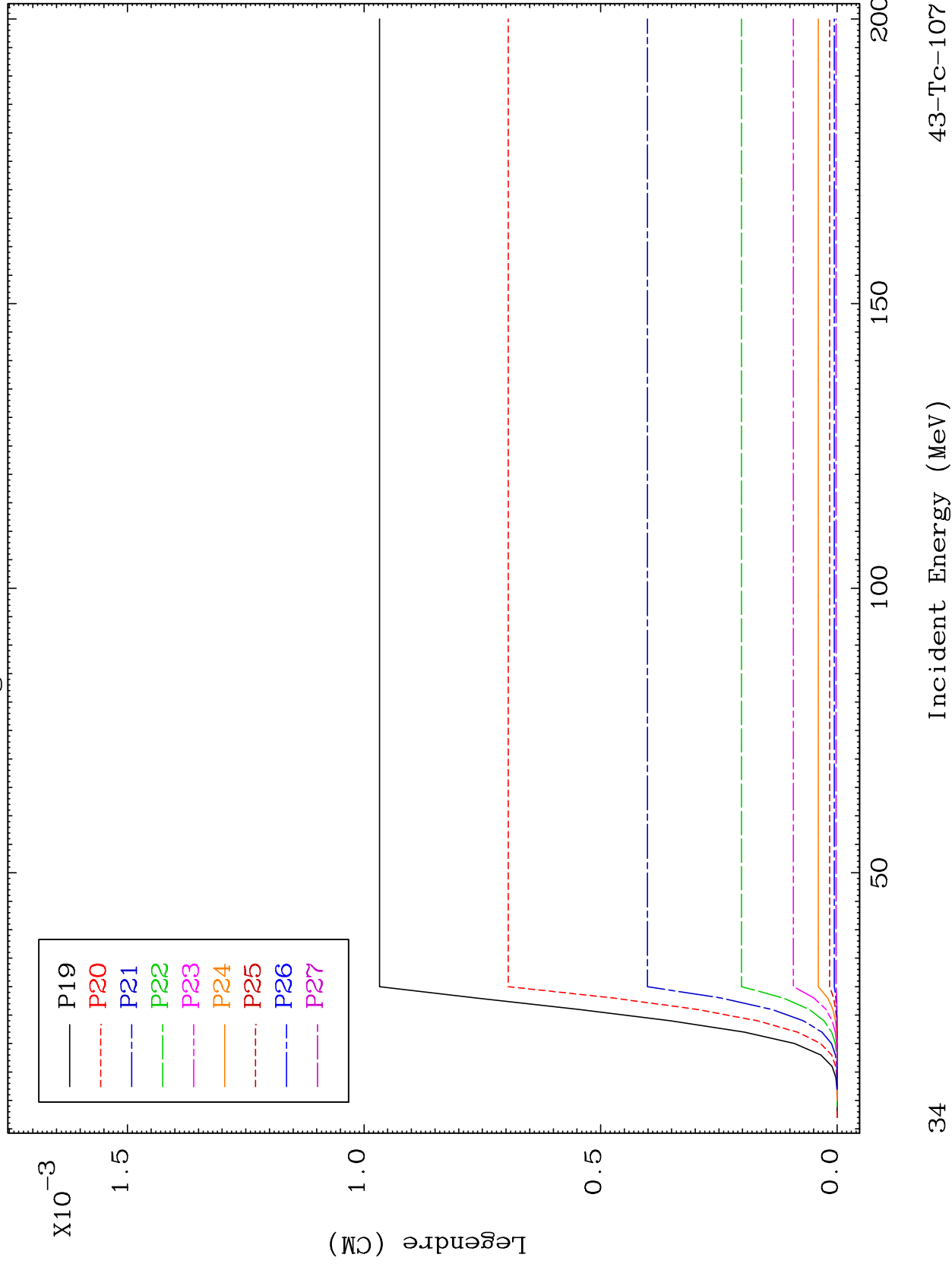
Incident Energy (MeV)

33

MAT 4349

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

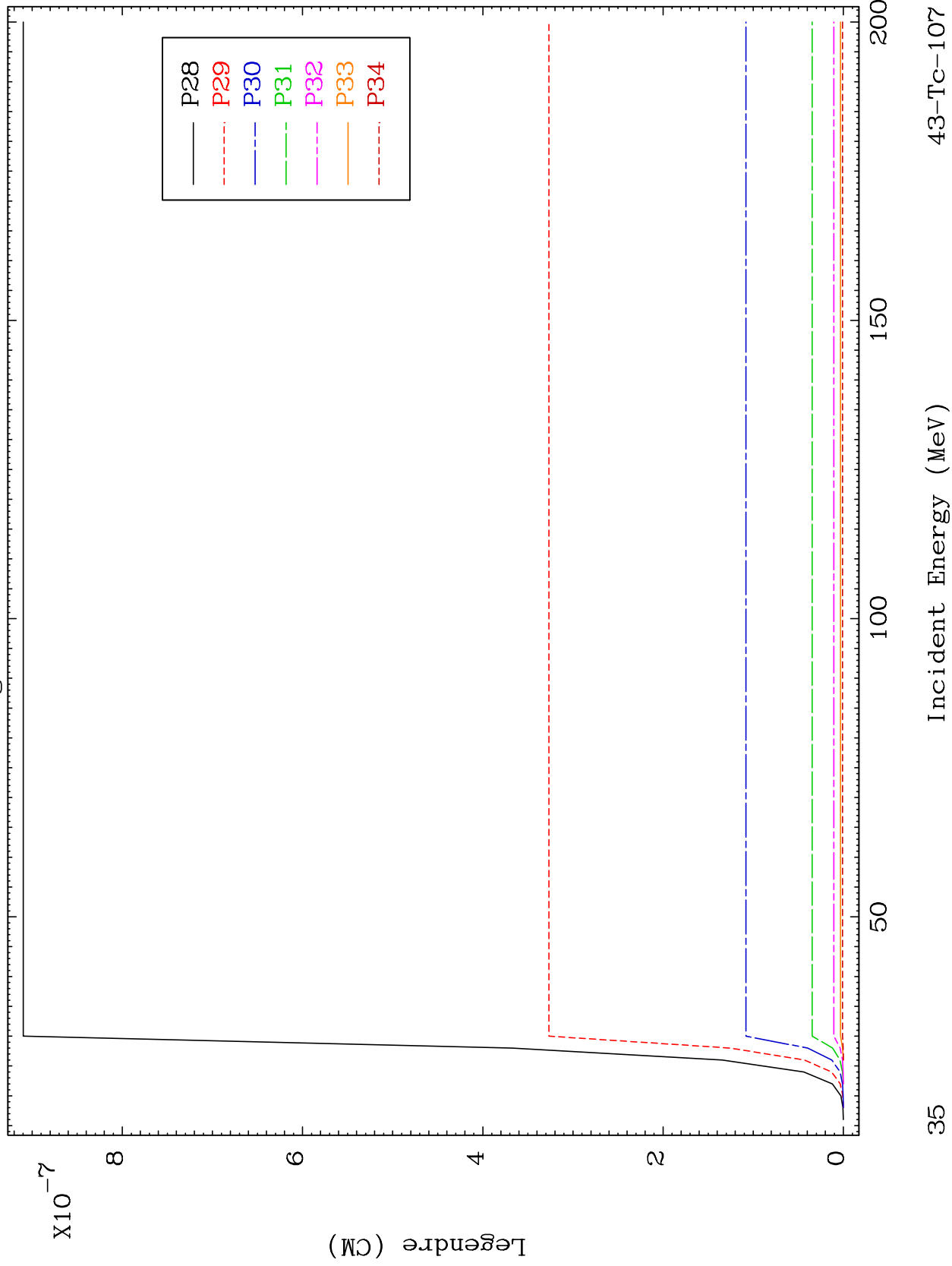
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

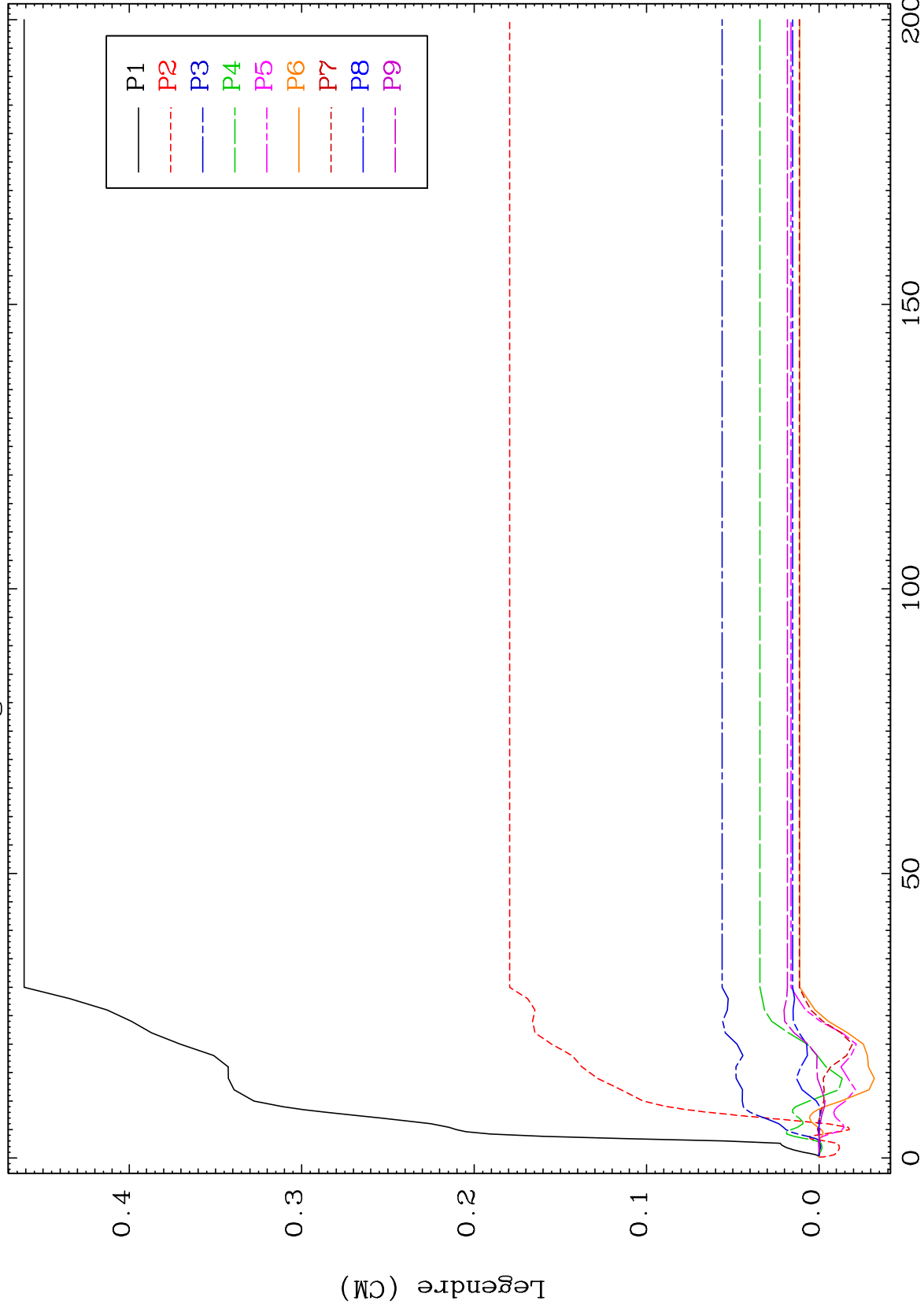
Incident Energy (MeV)

35

MAT 4349

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

43-Tc-107



36

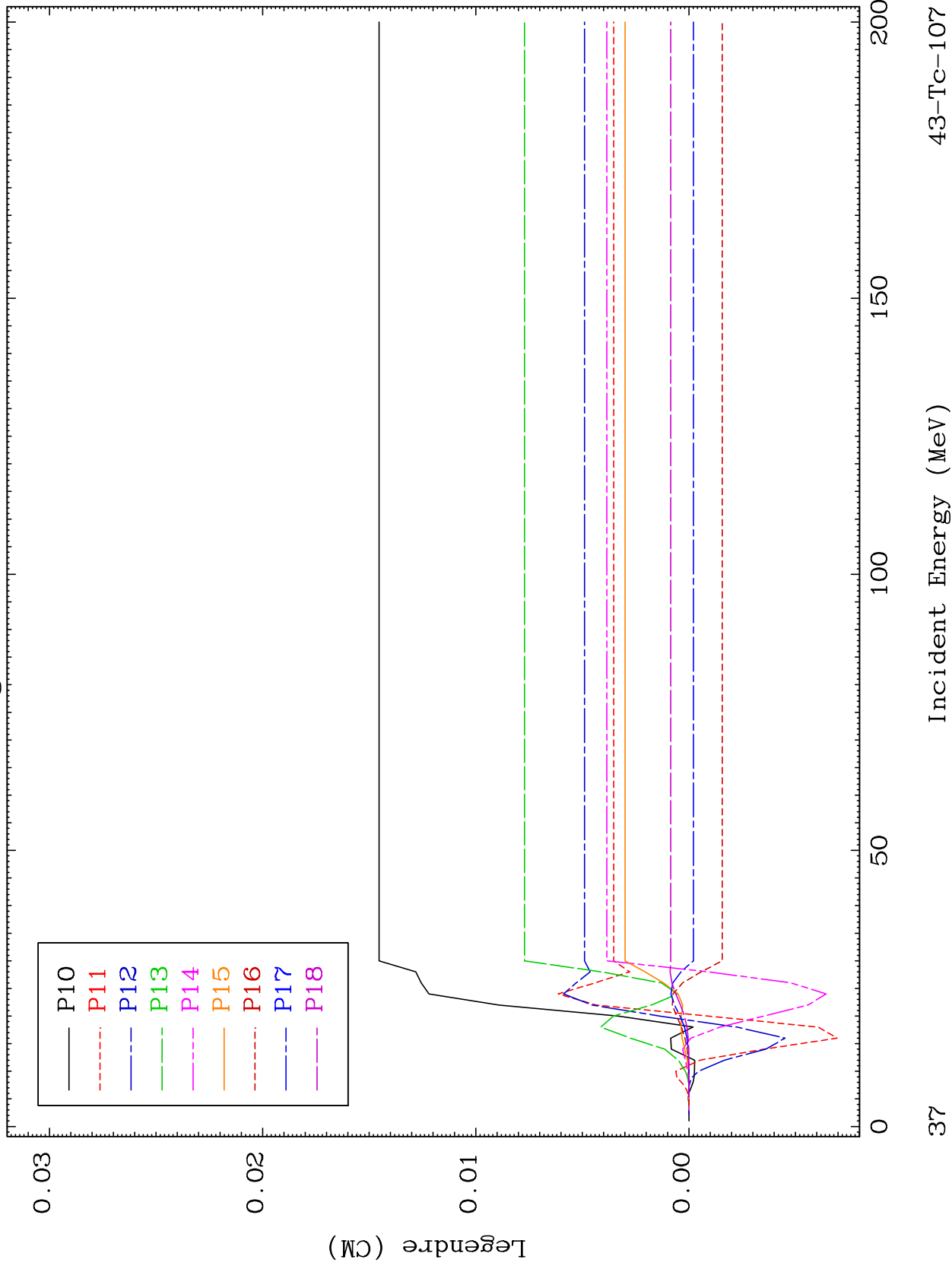
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



37

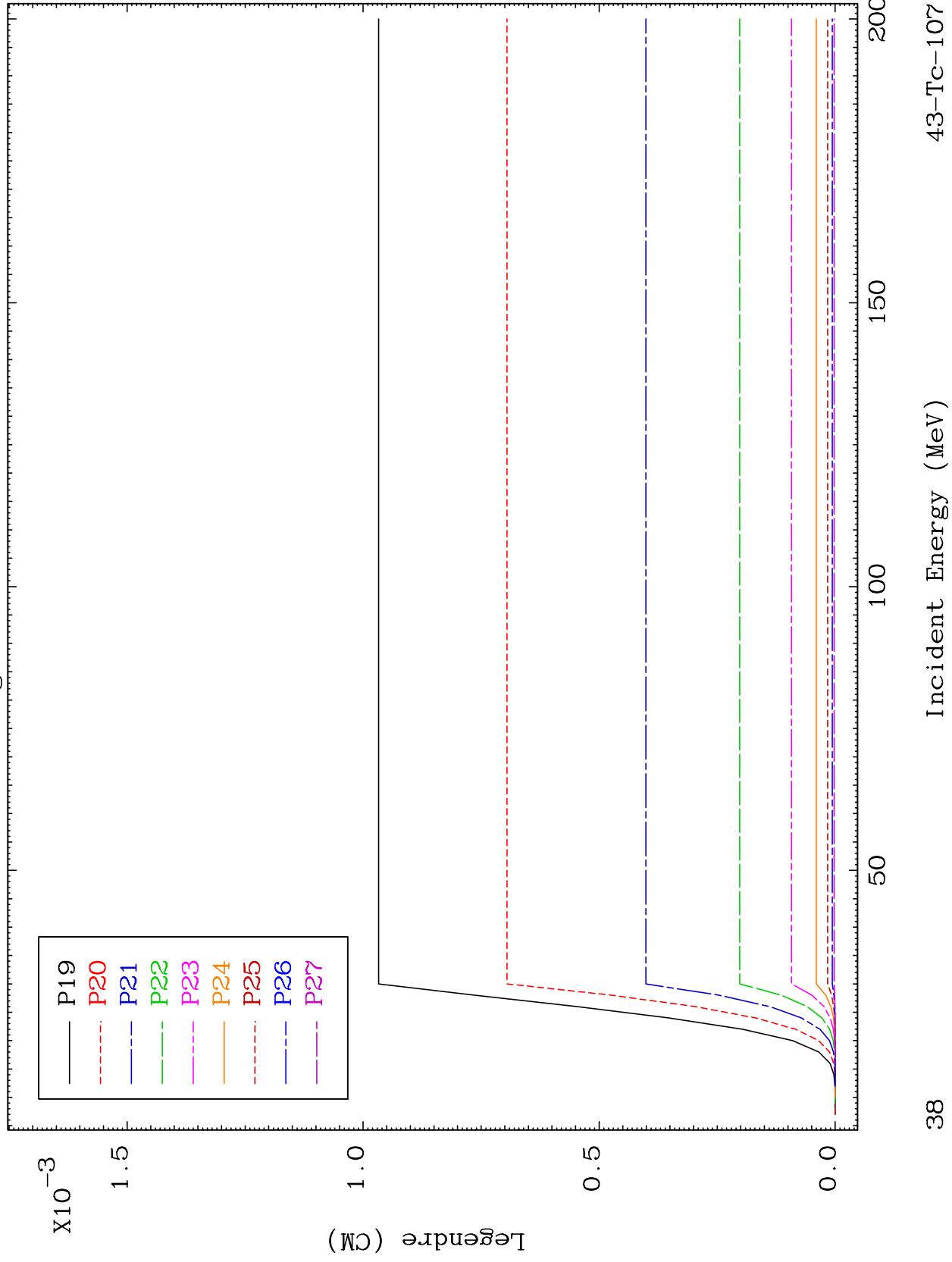
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

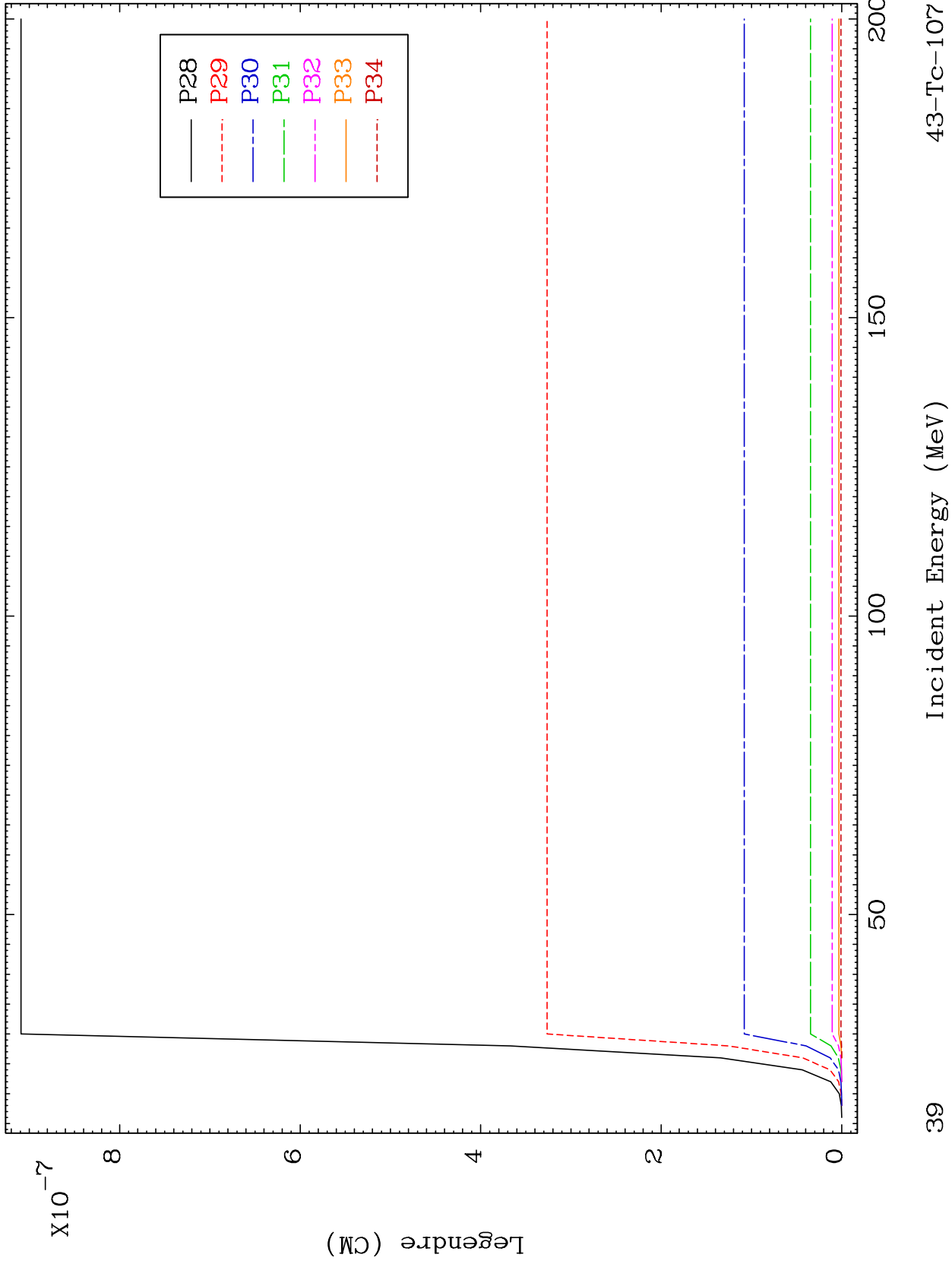
43-Tc-107



MAT 4349

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

43-Tc-107



39

Incident Energy (MeV)

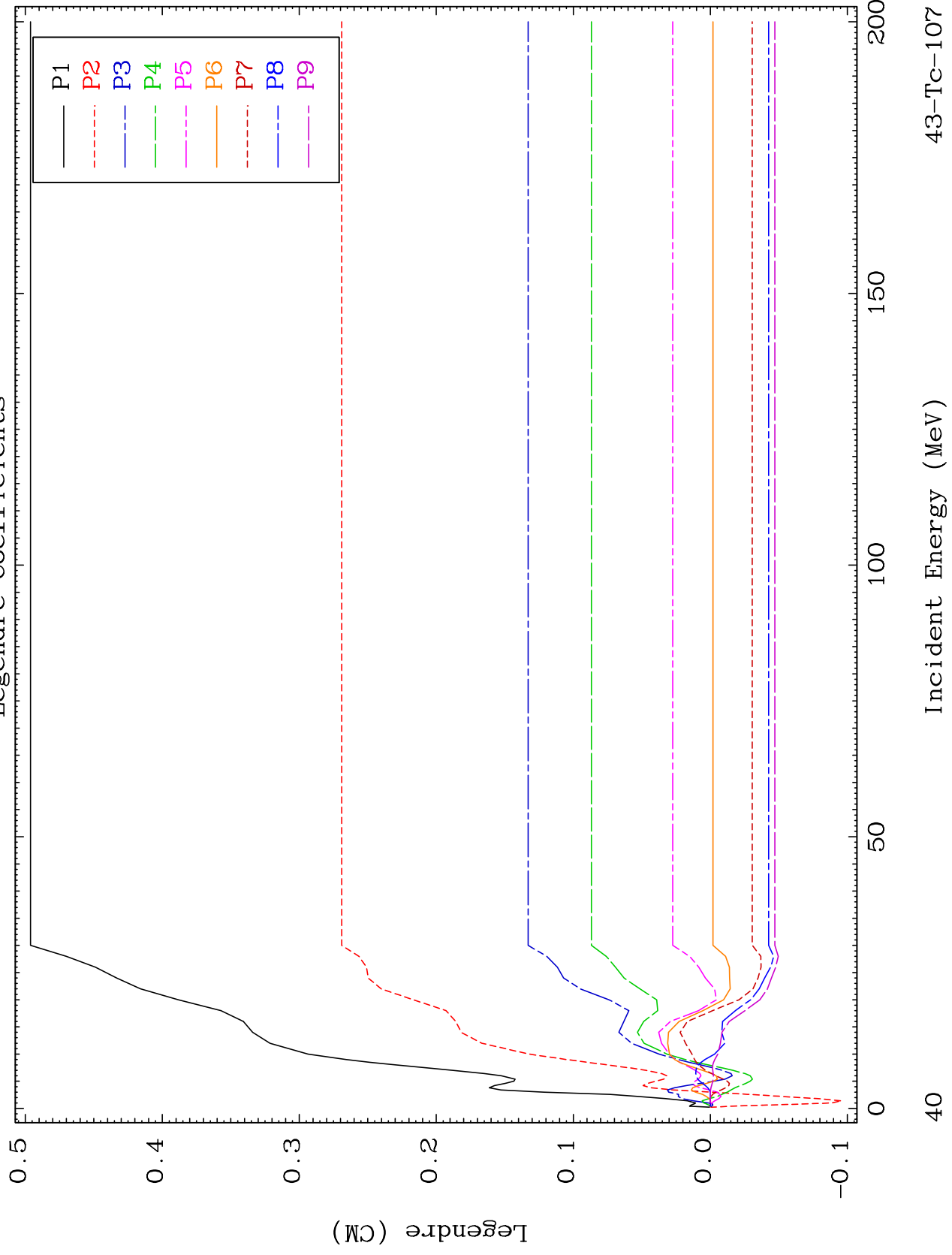
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

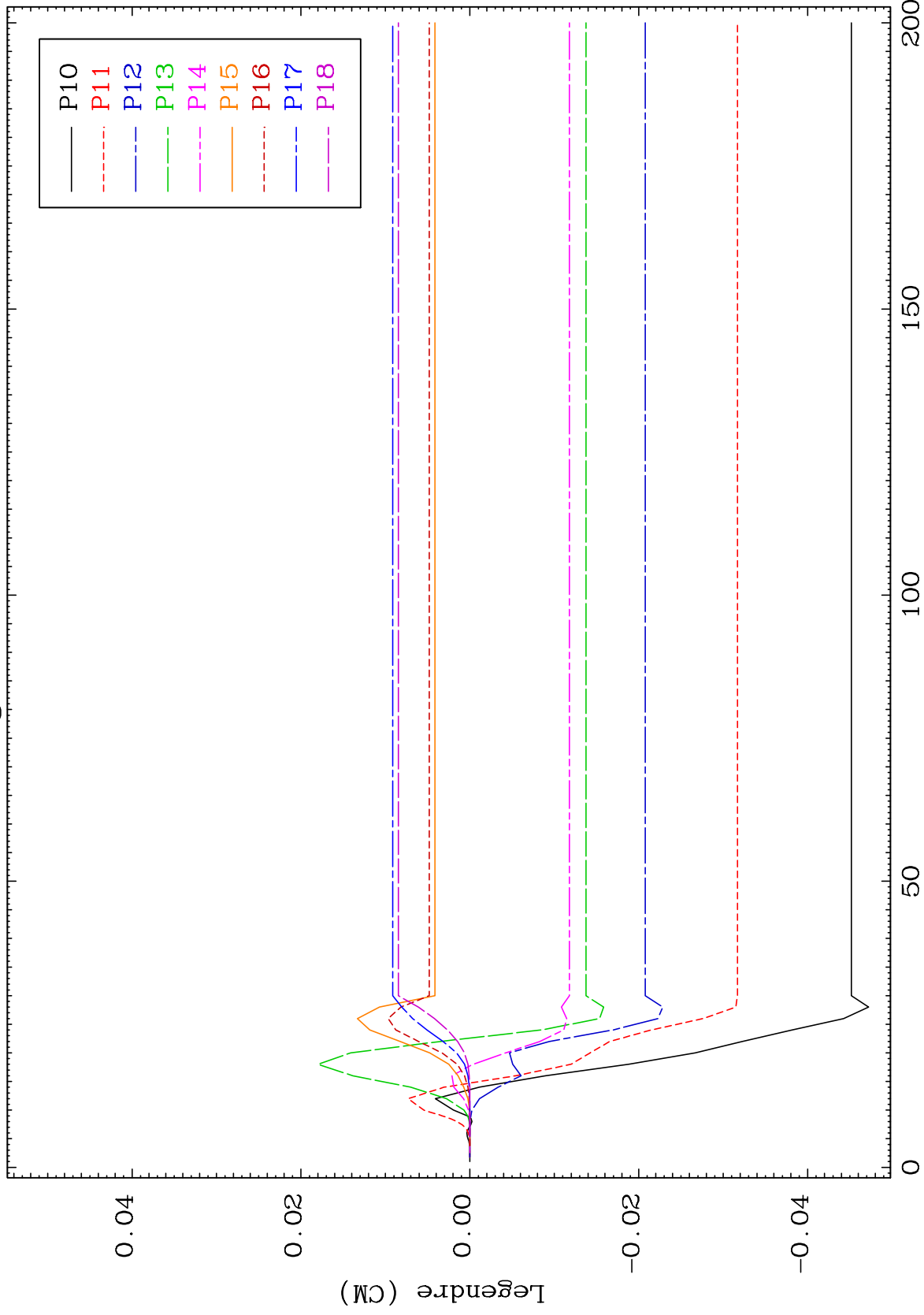
Incident Energy (MeV)

40

MAT 4349

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

43-Tc-107



41

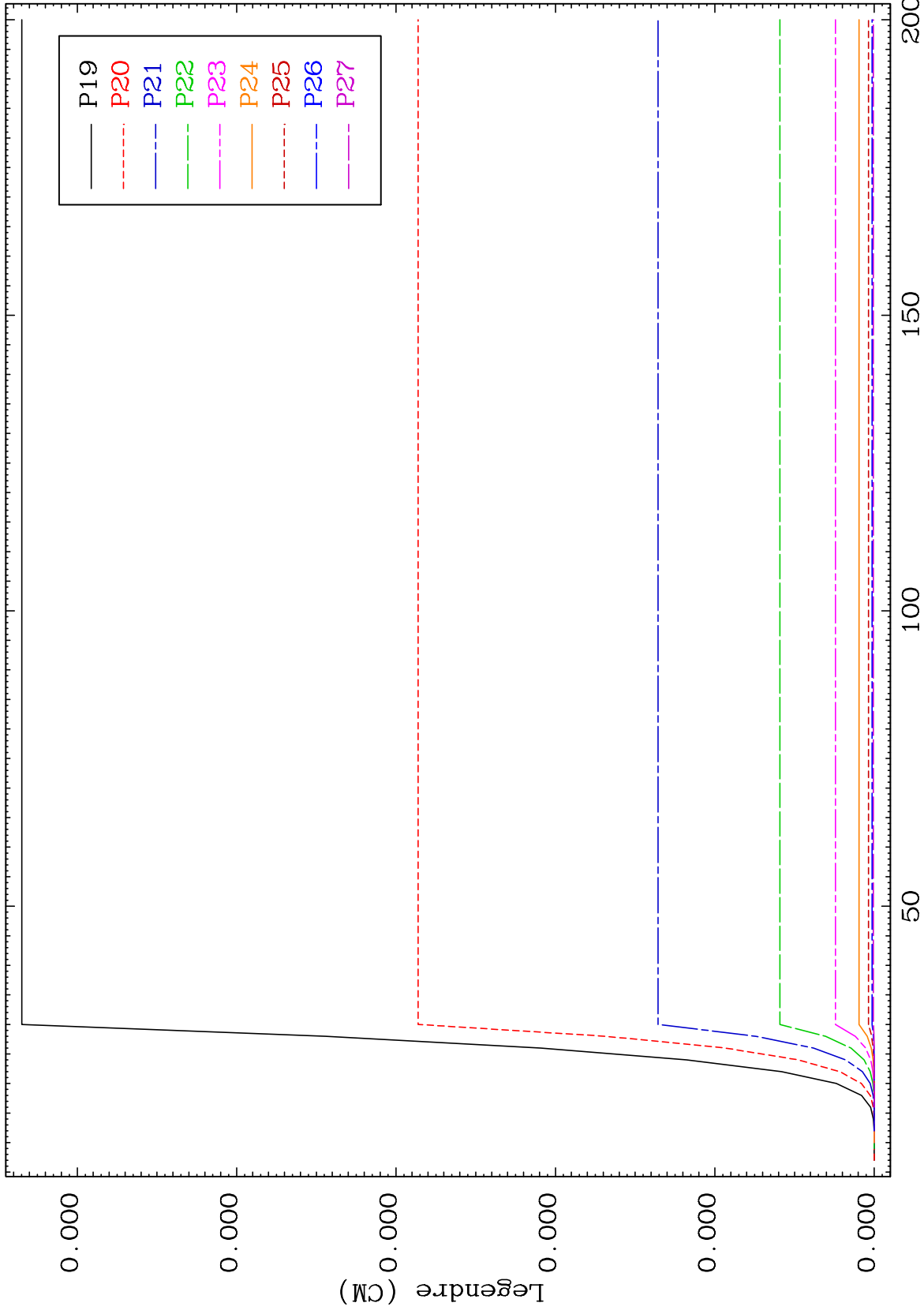
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



42

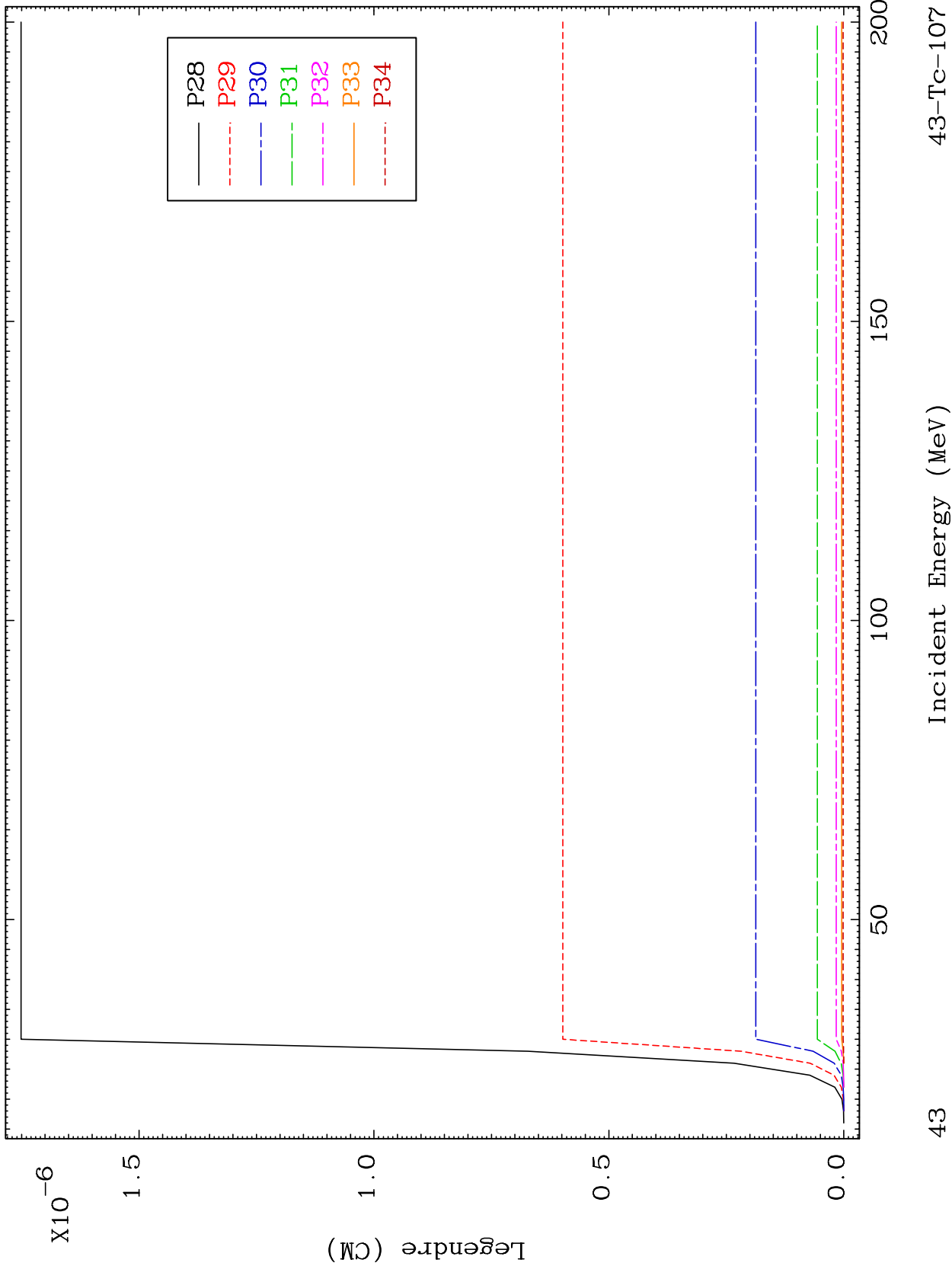
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43

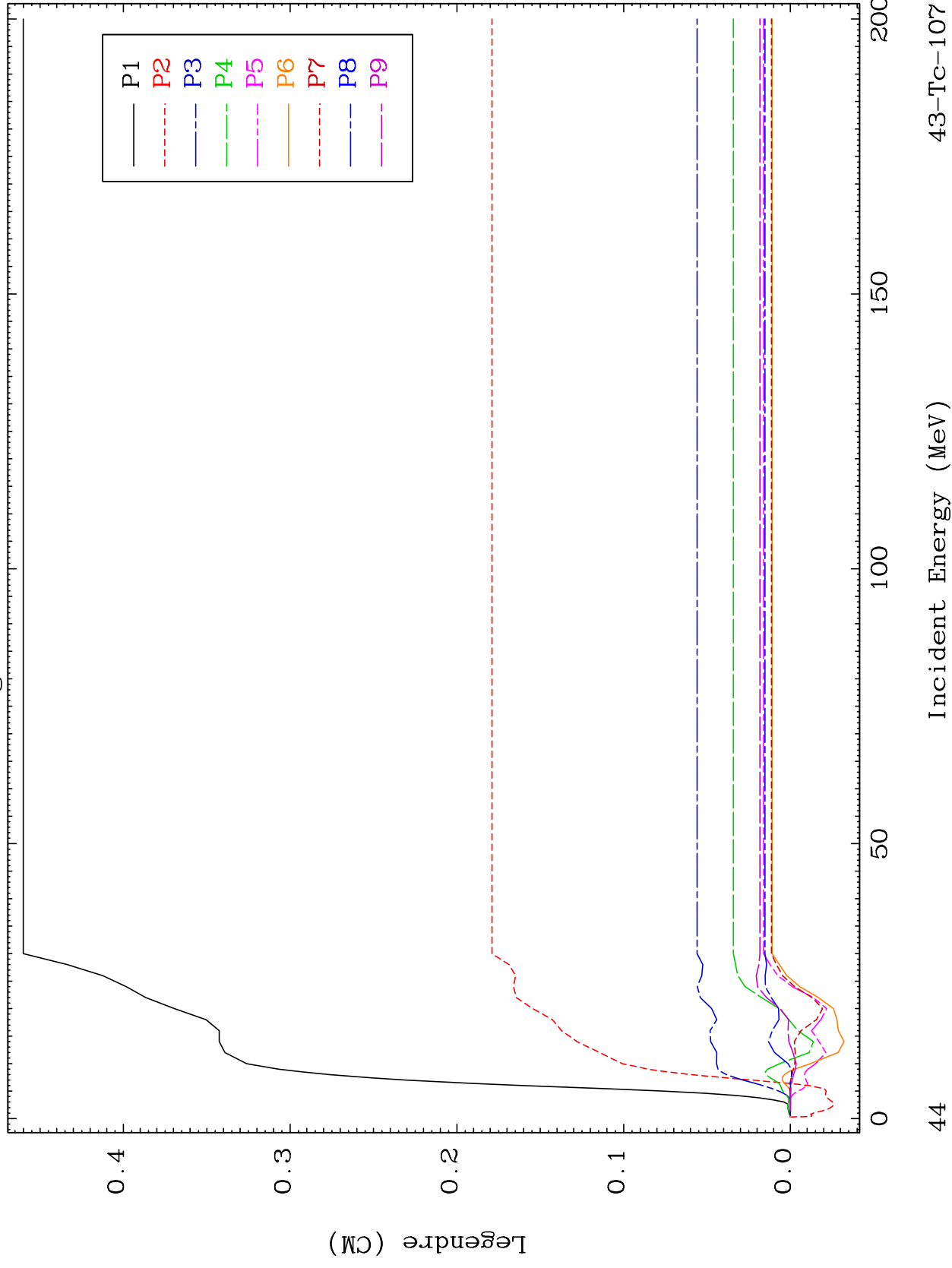
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



44

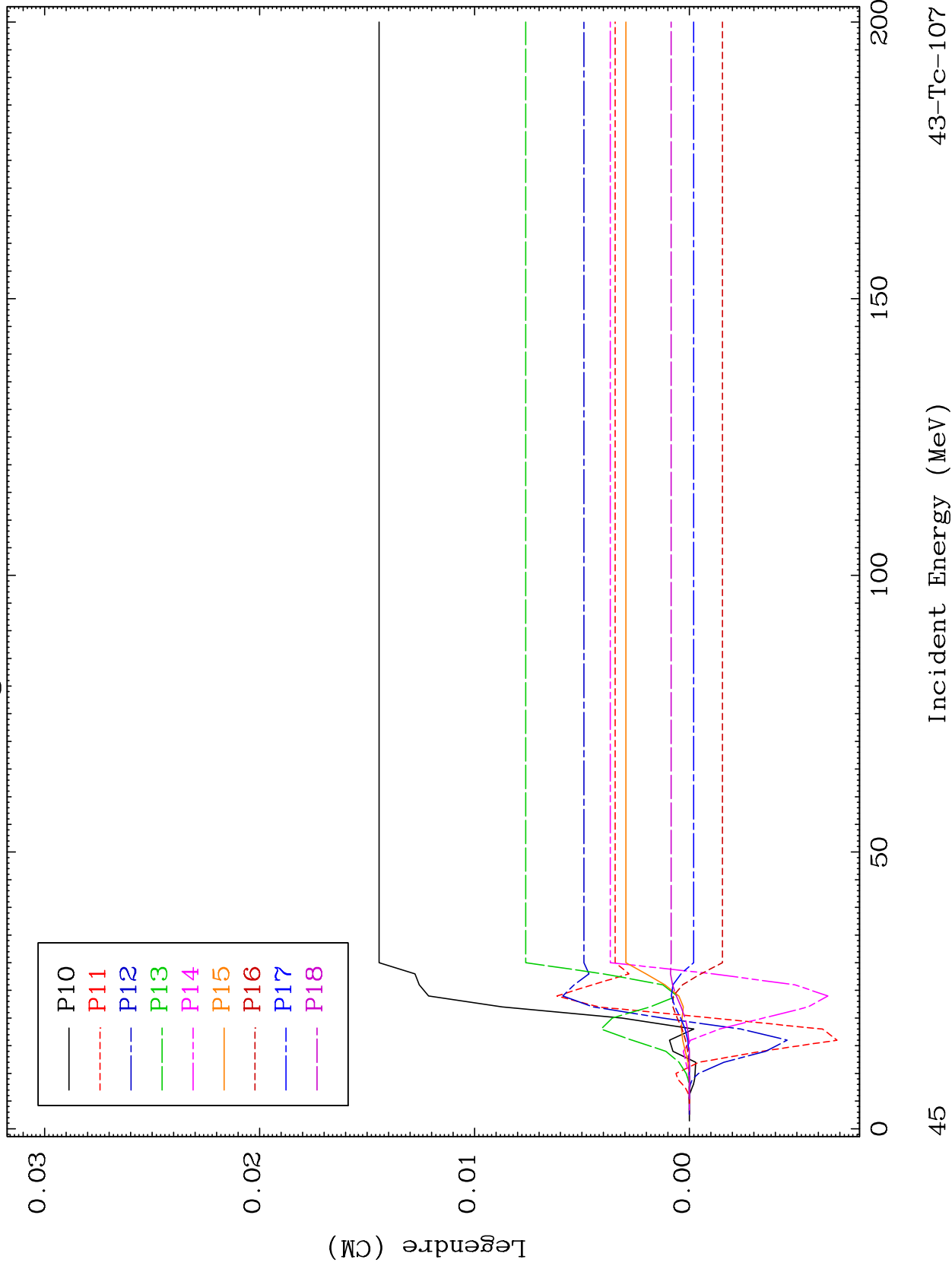
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43-Tc-107

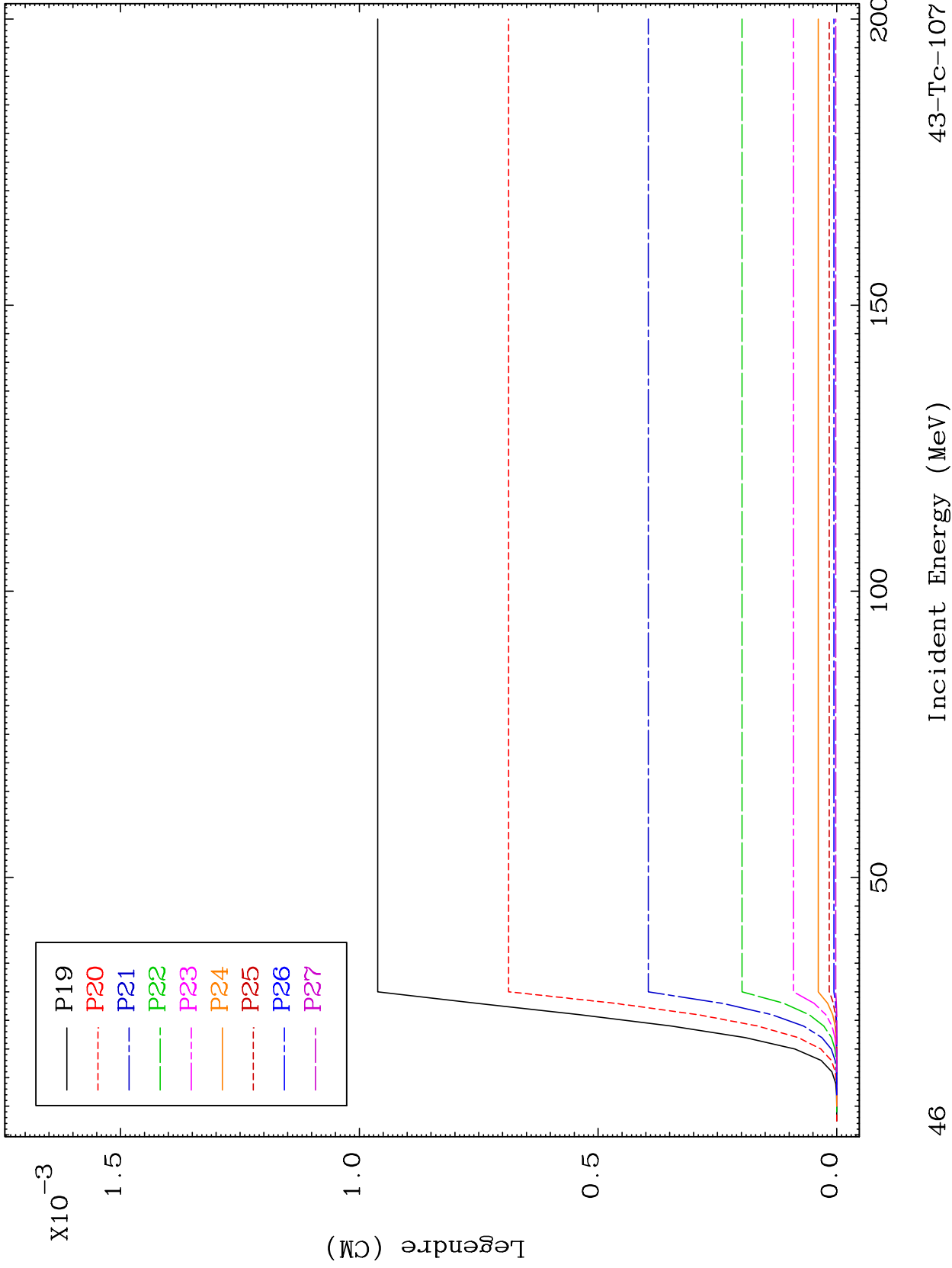
Incident Energy (MeV)

45

MAT 4349

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

43-Tc-107

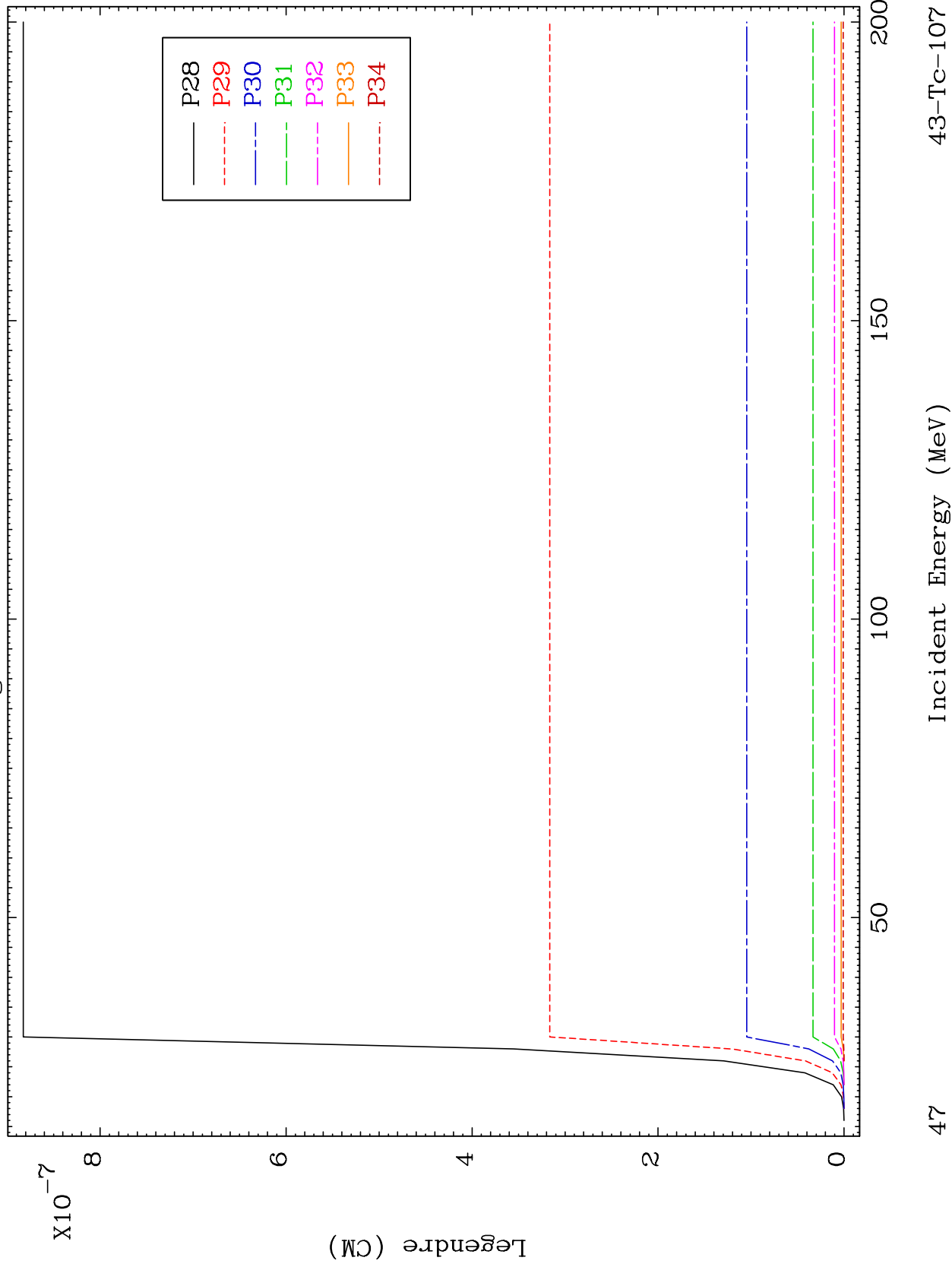


46

MAT 4349

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

43-Tc-107

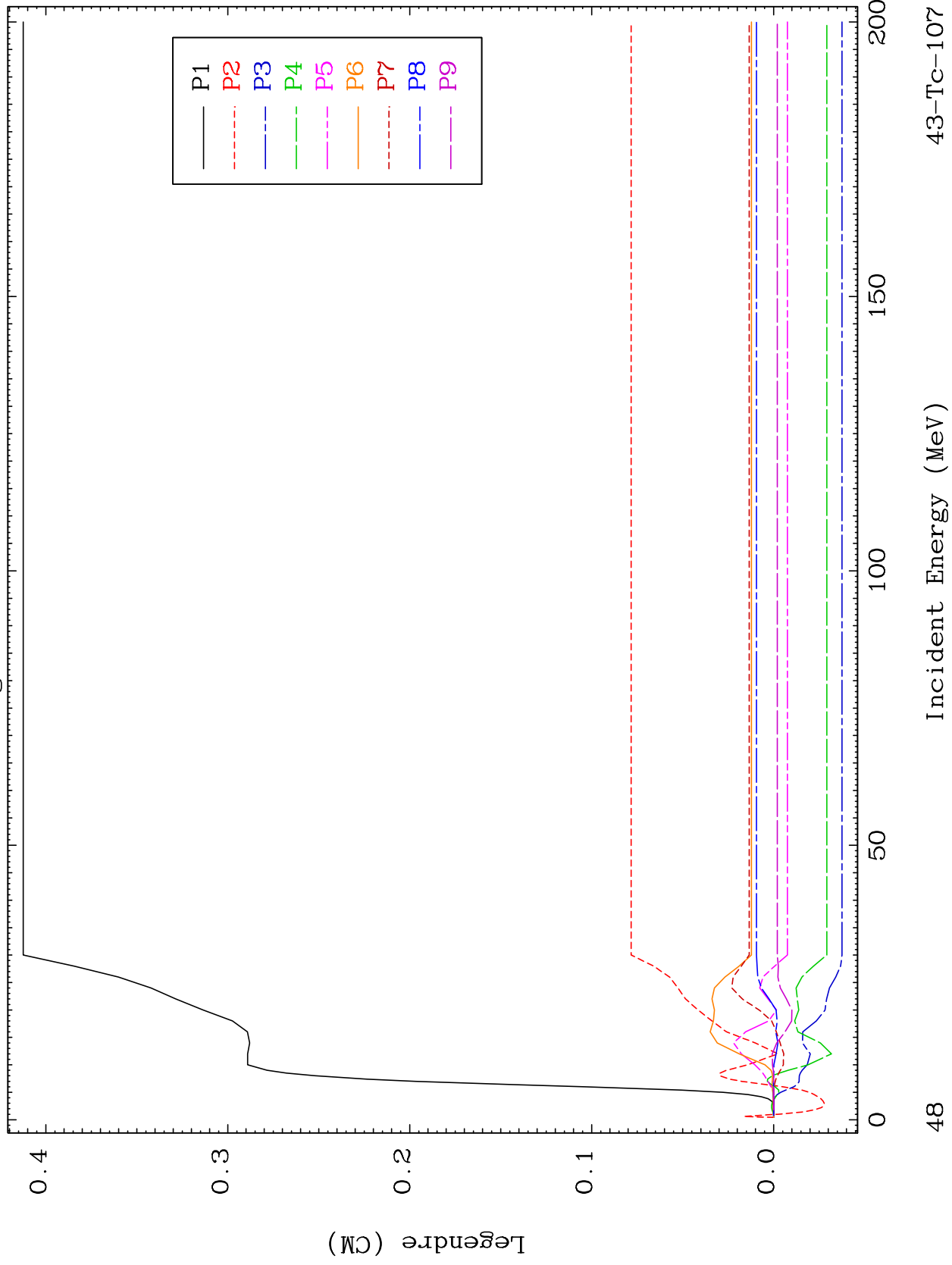




MAT 4349

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

43-Tc-107



43-Tc-107

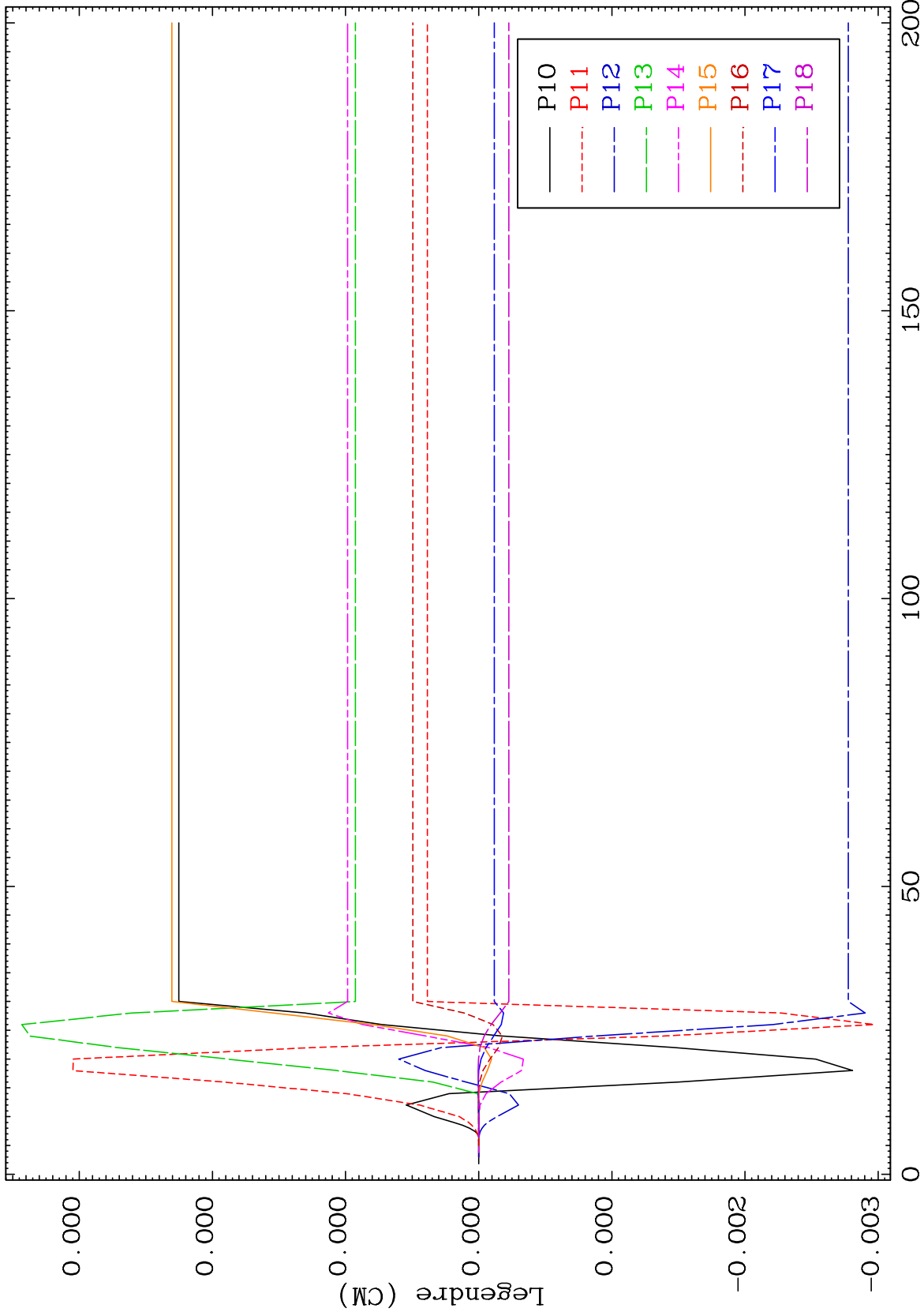
Incident Energy (MeV)

48

MAT 4349

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

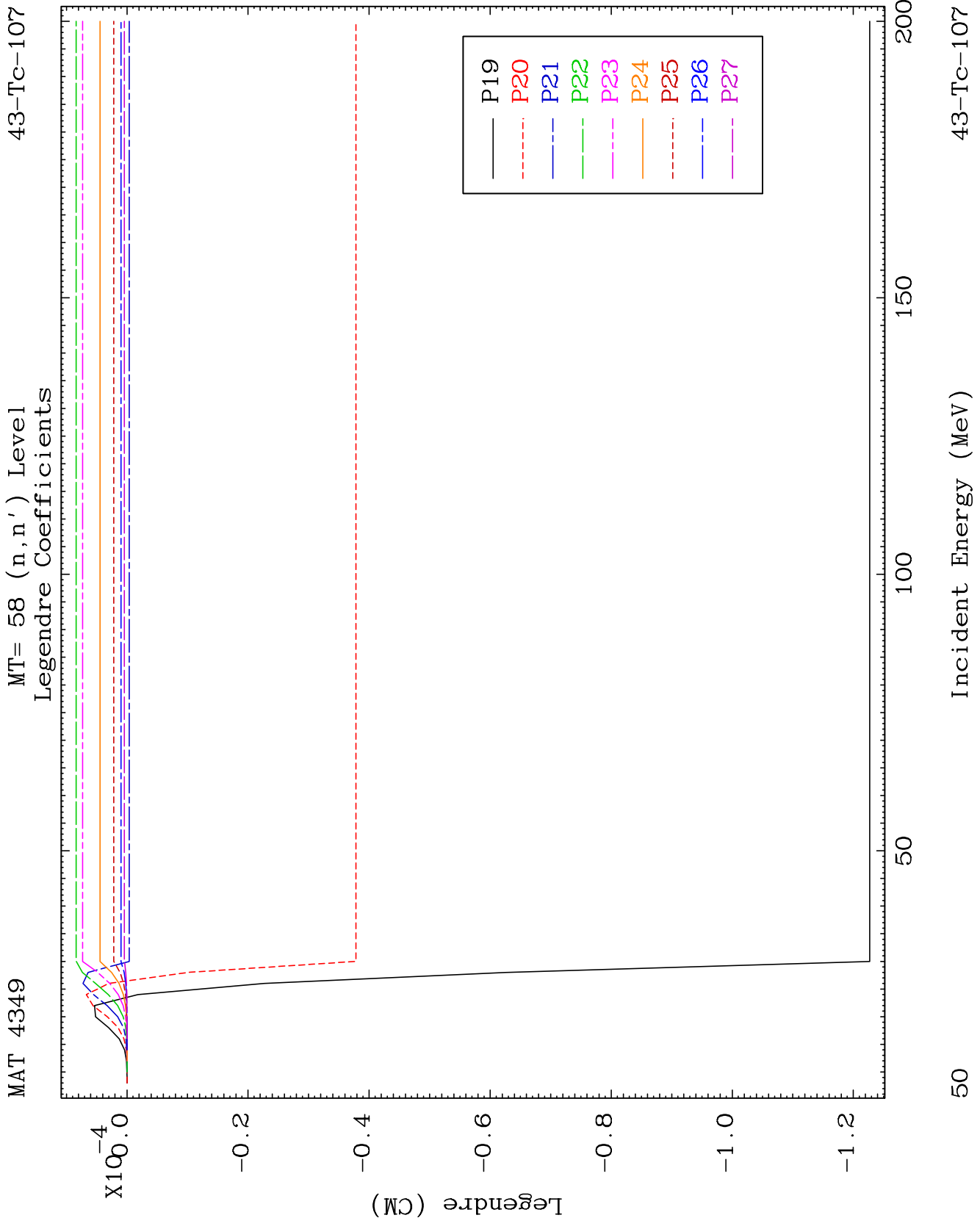
43-Tc-107



49

Incident Energy (MeV)

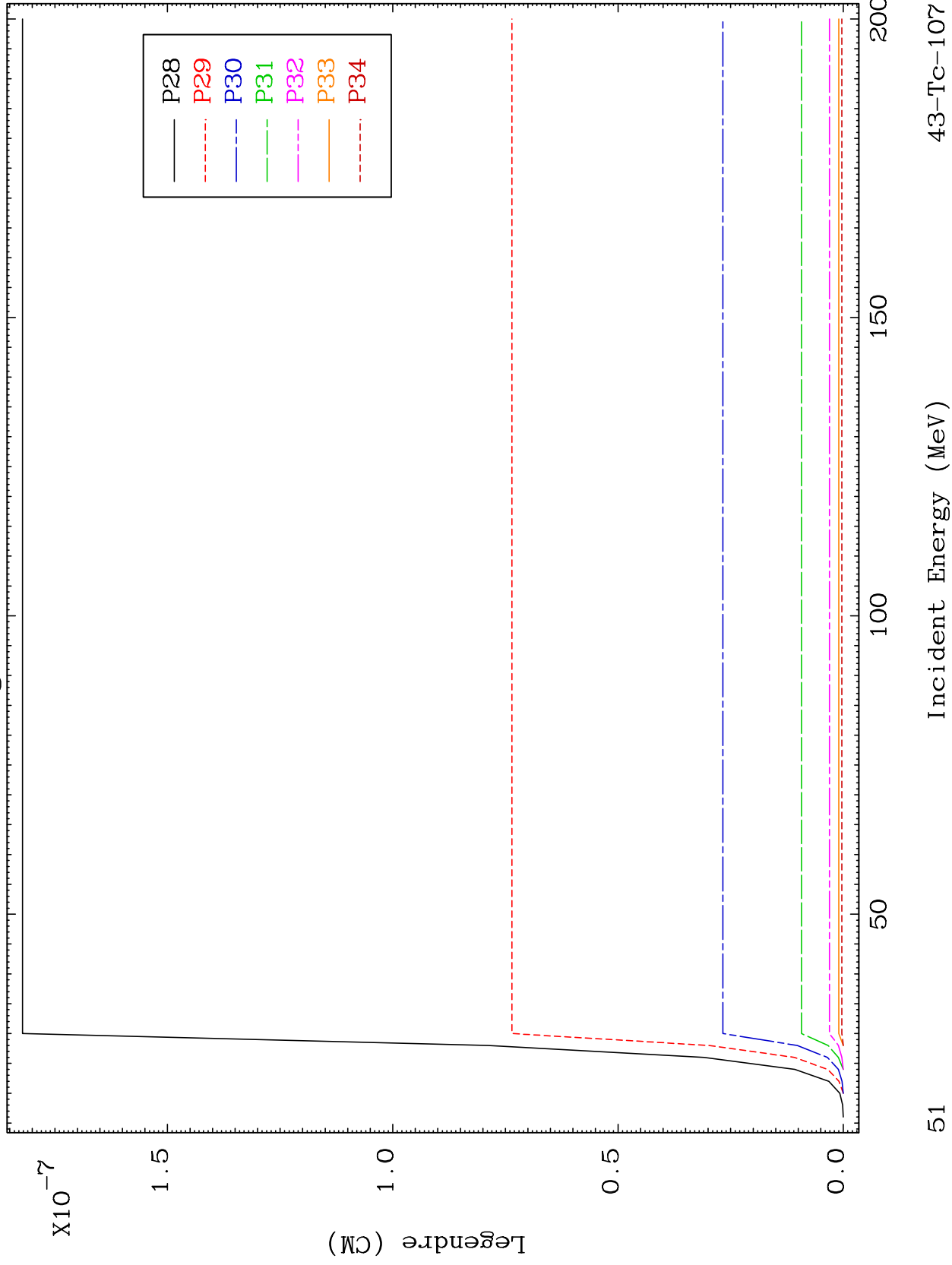
43-Tc-107



MAT 4349

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

43-Tc-107

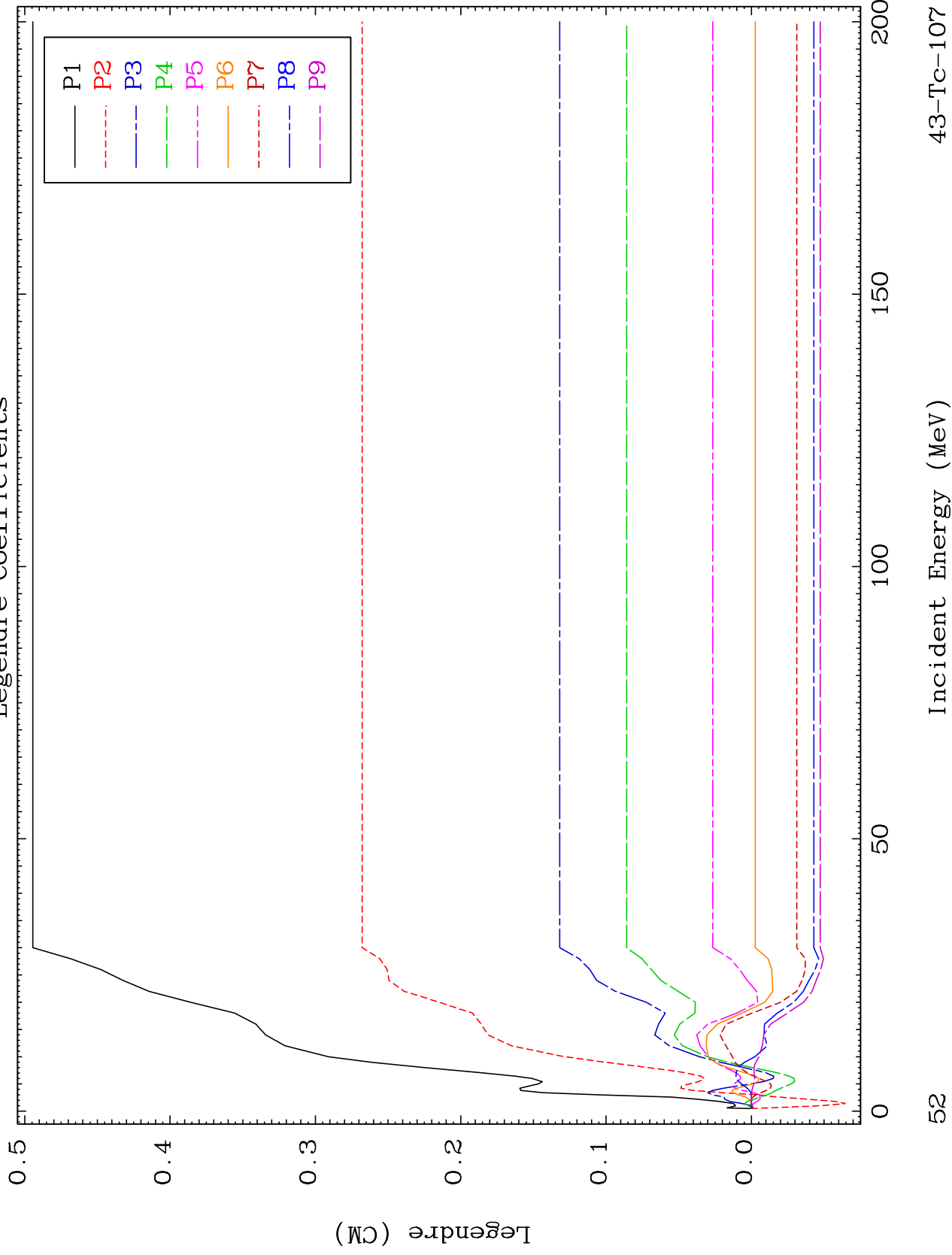


51

MAT 4349

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

43-Tc-107



52

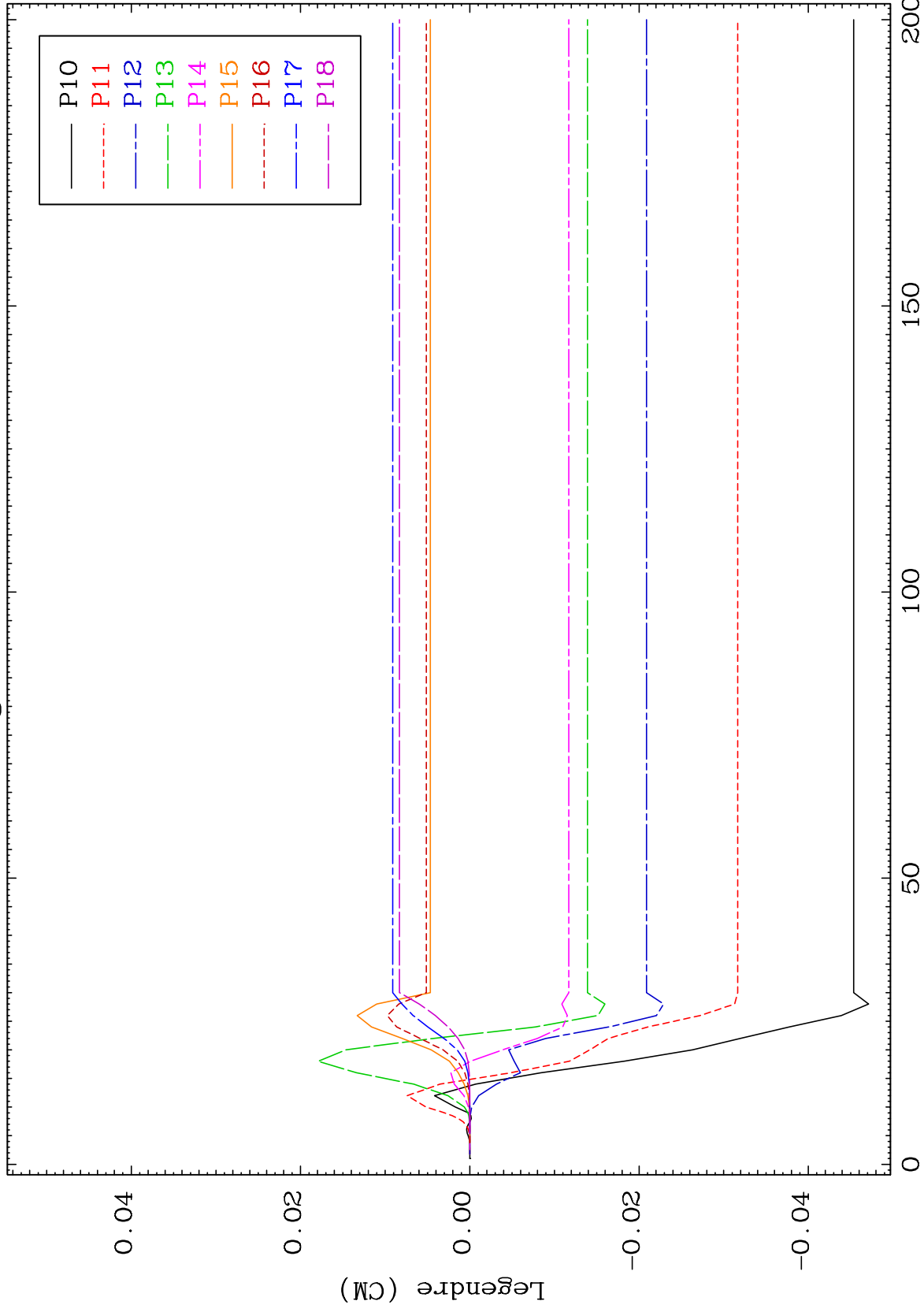
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



53

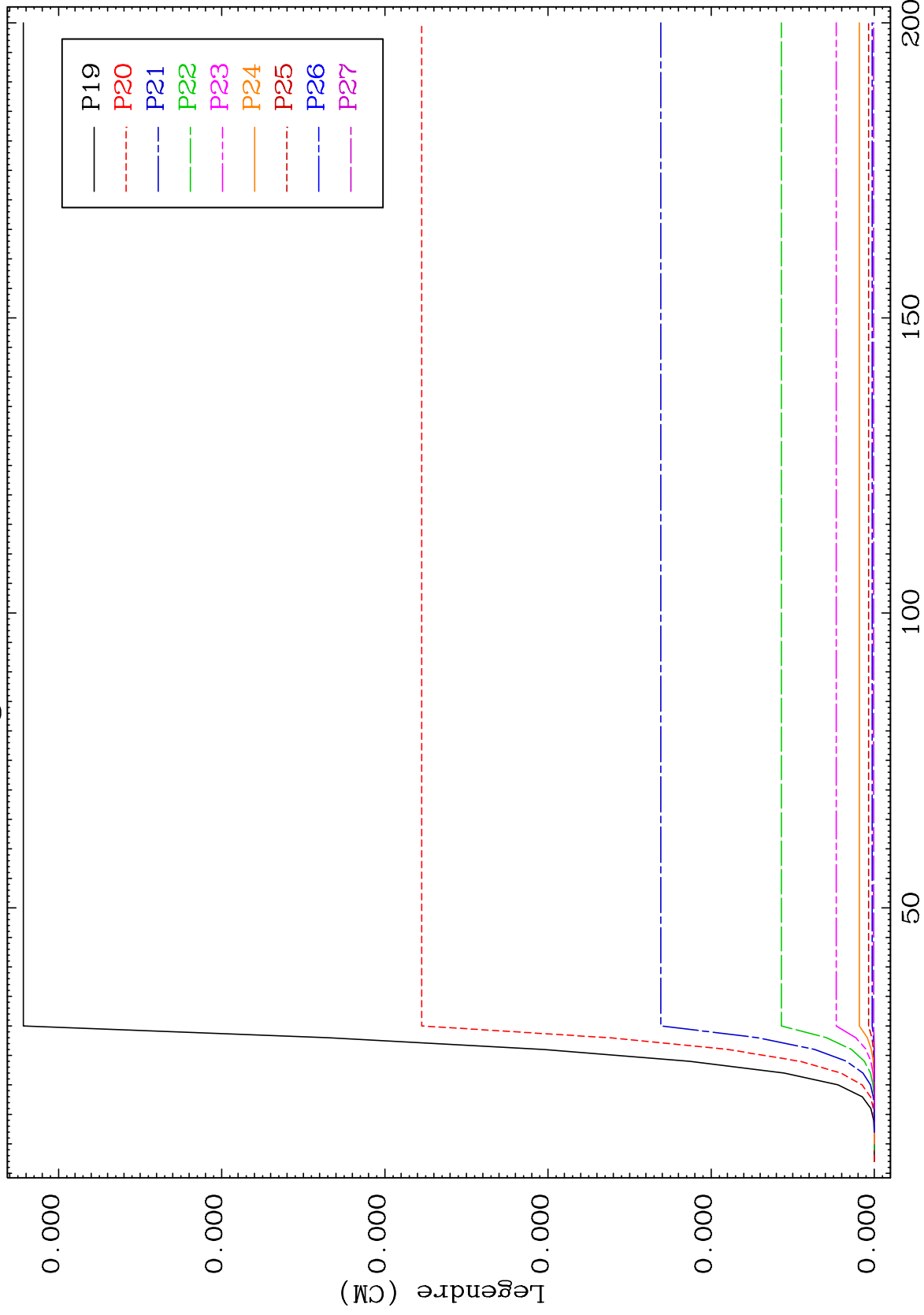
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



54

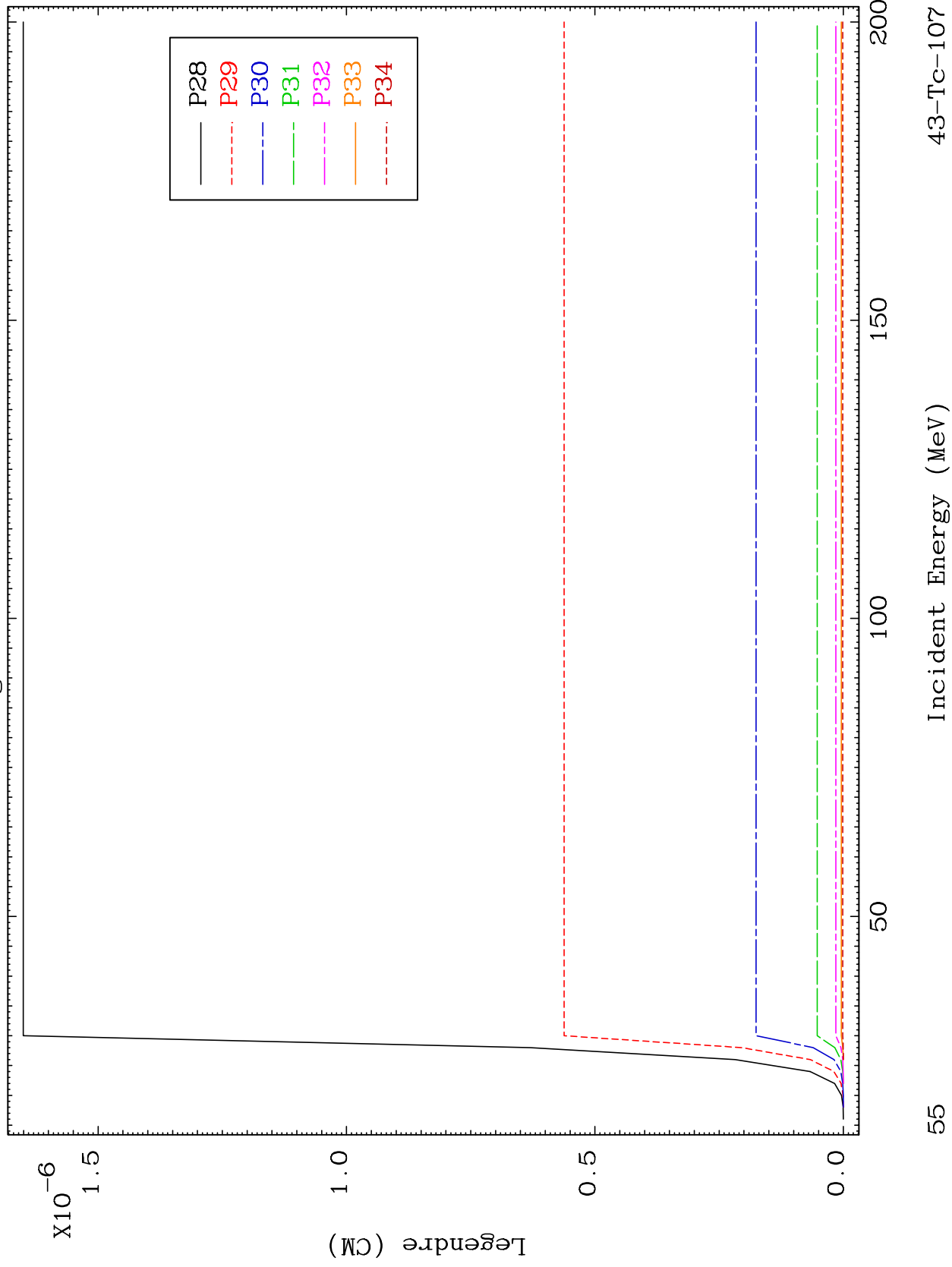
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

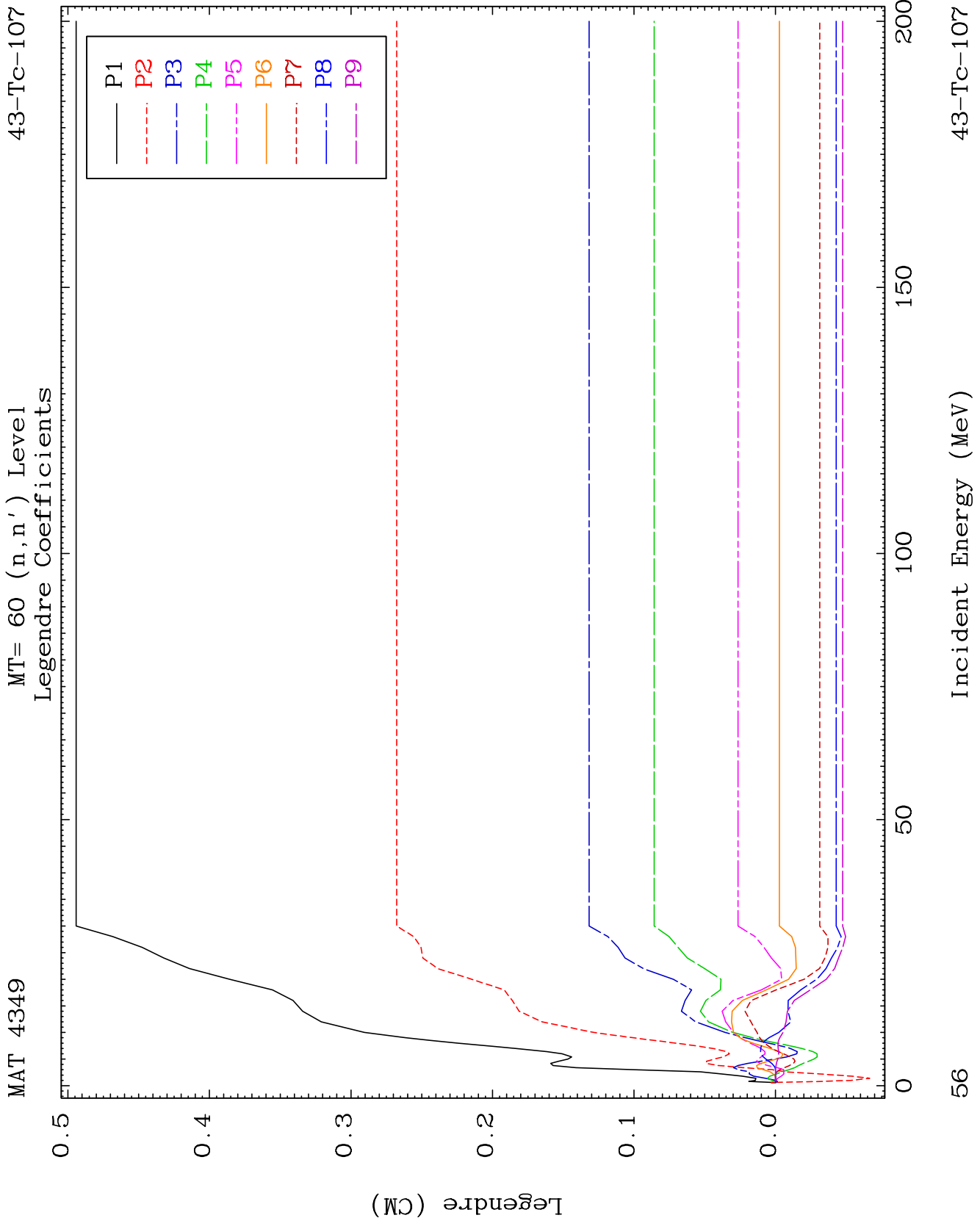


43-Tc-107

Incident Energy (MeV)

55

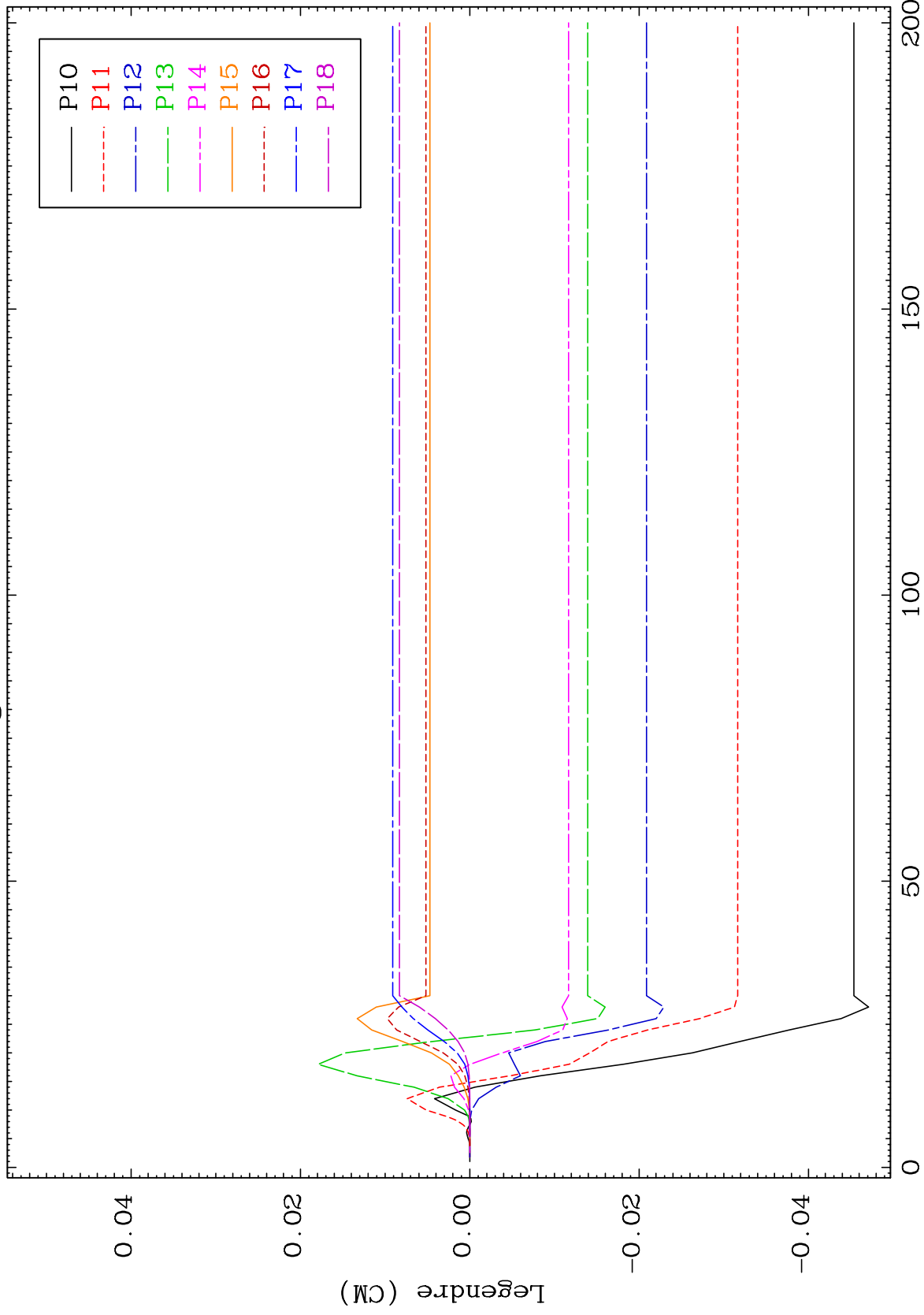




MAT 4349

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

43-Tc-107



57

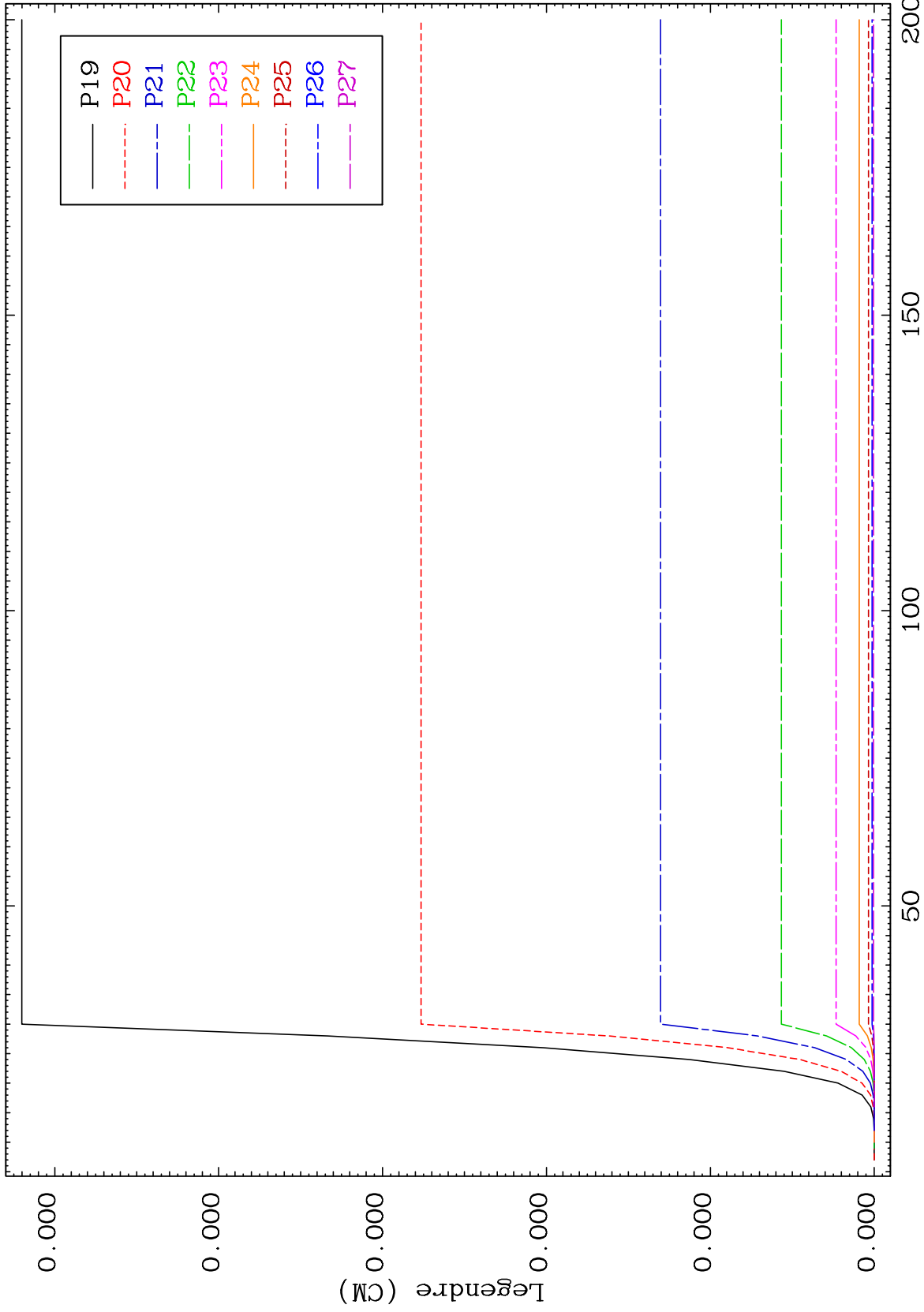
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



58

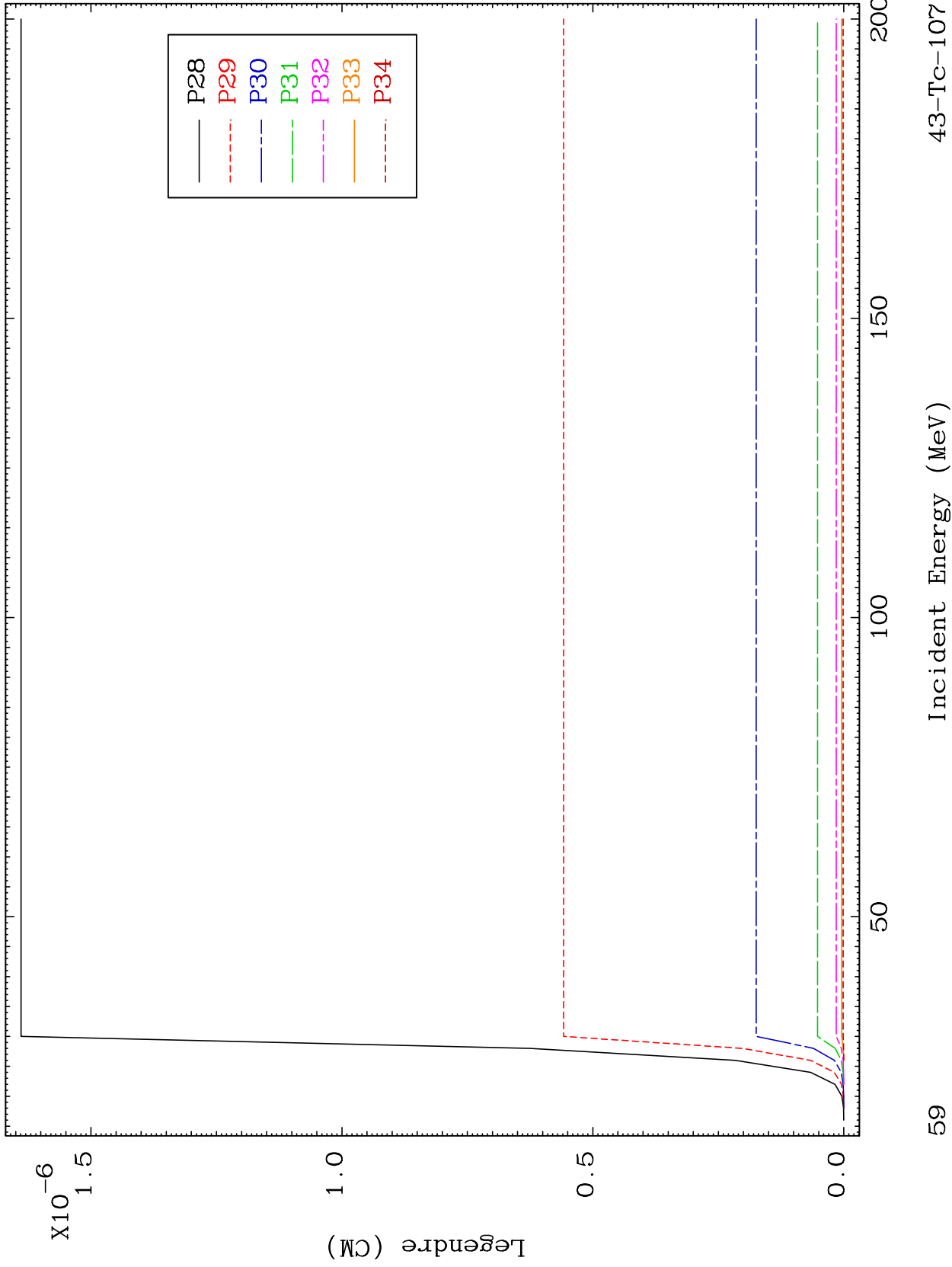
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

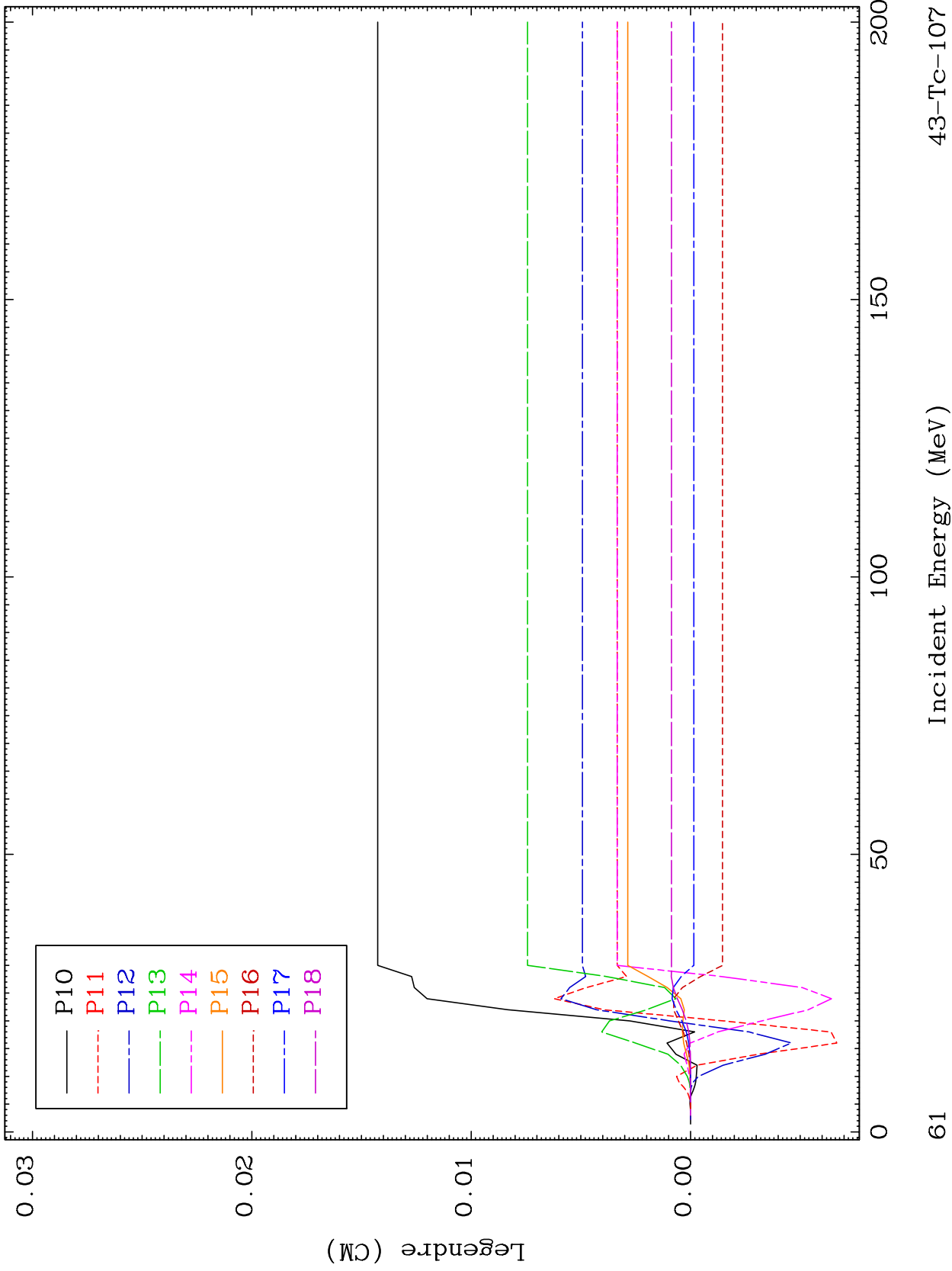




MAT 4349

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

43-Tc-107



43-Tc-107

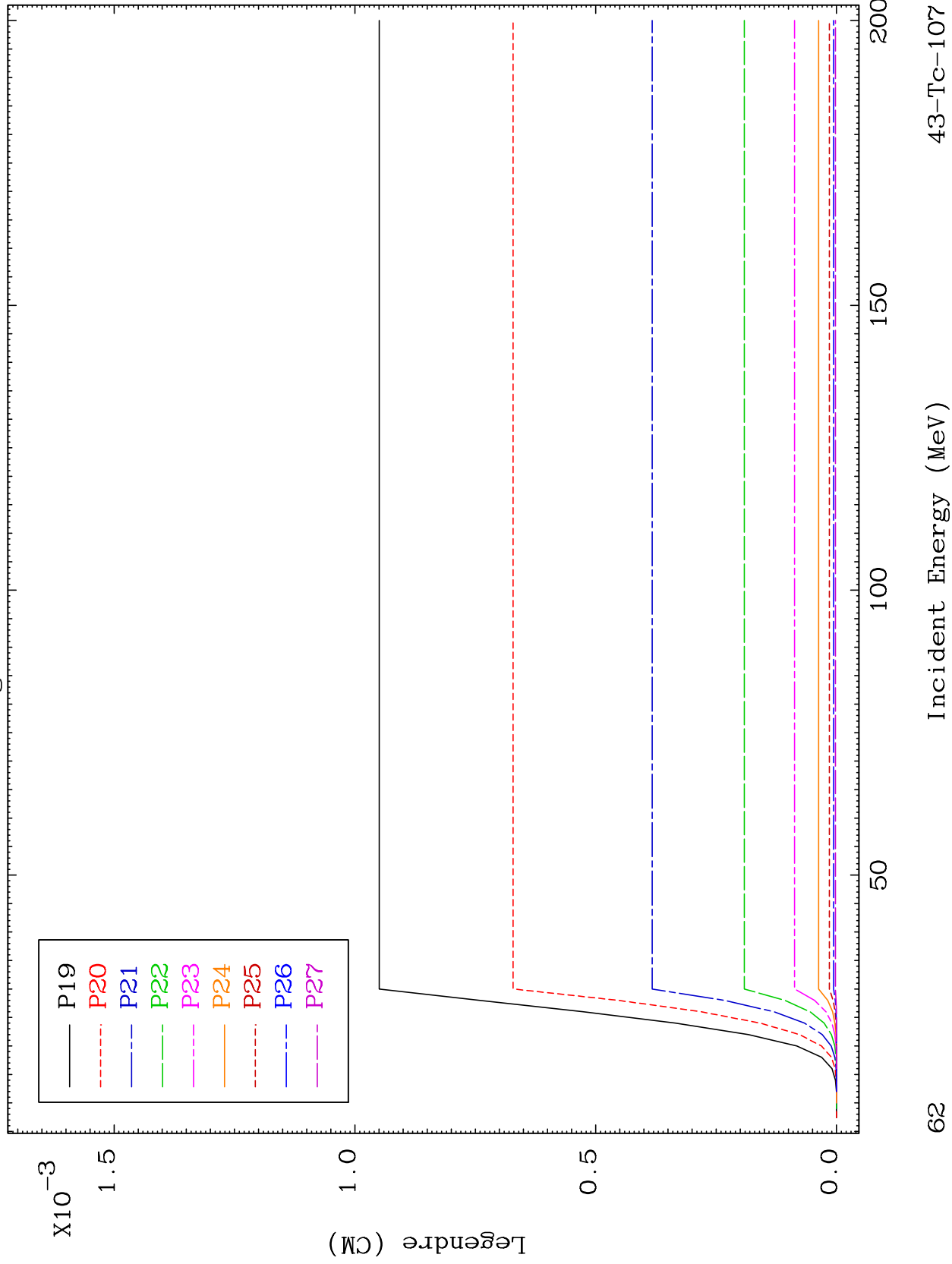
Incident Energy (MeV)

61

MAT 4349

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

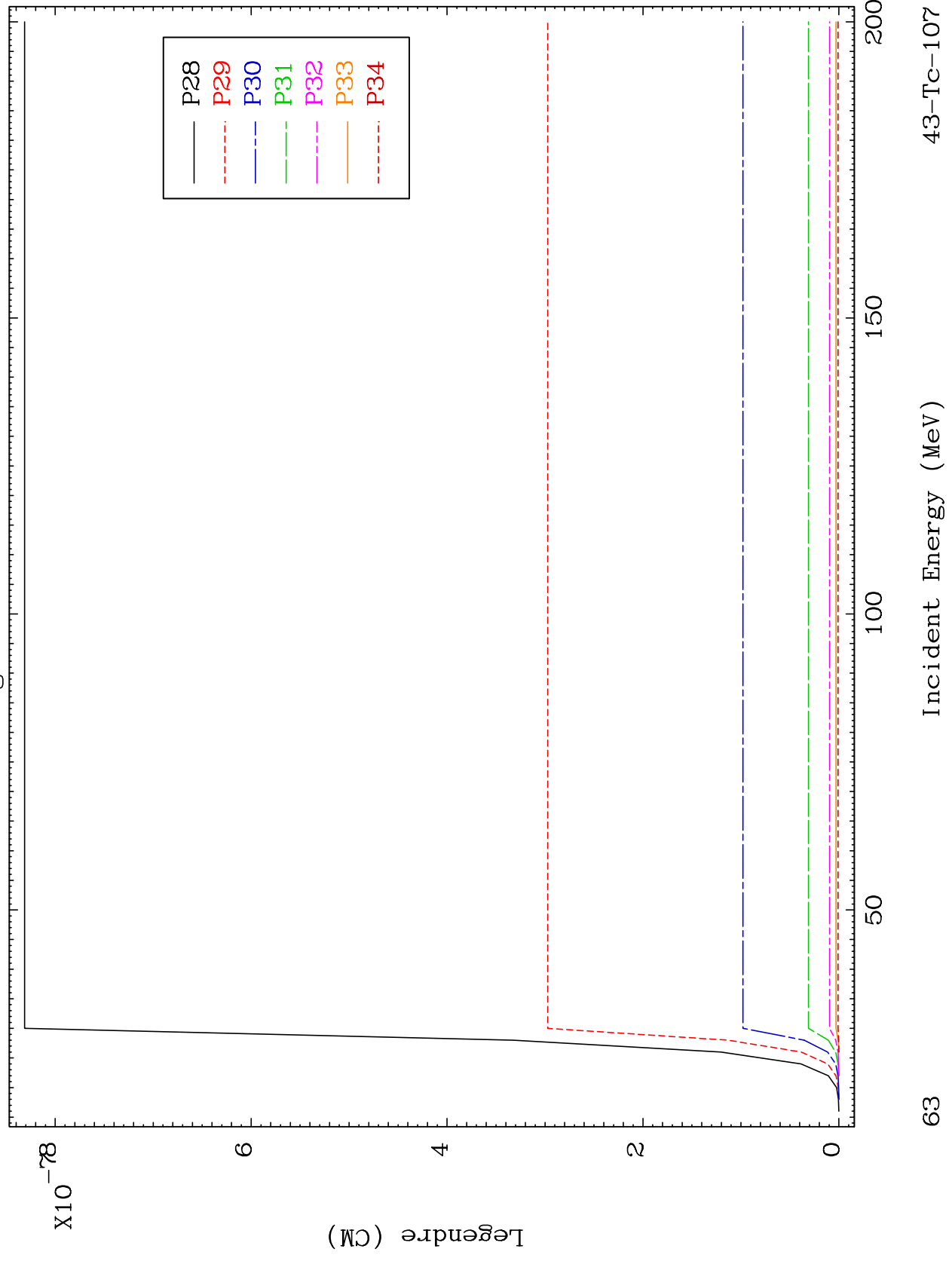
43-Tc-107



MAT 4349

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

43-Tc-107

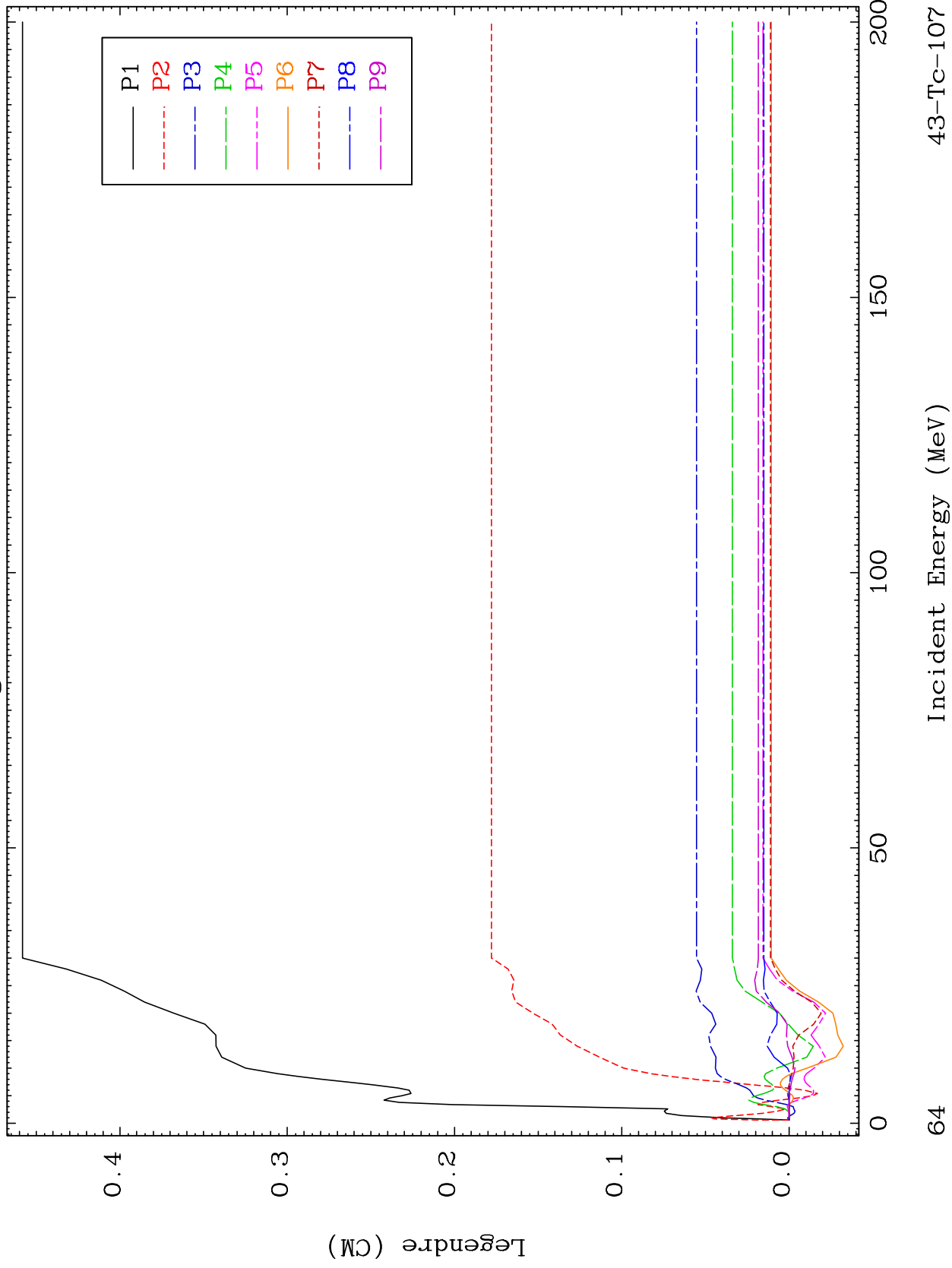




MAT 4349

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

43-Tc-107



43-Tc-107

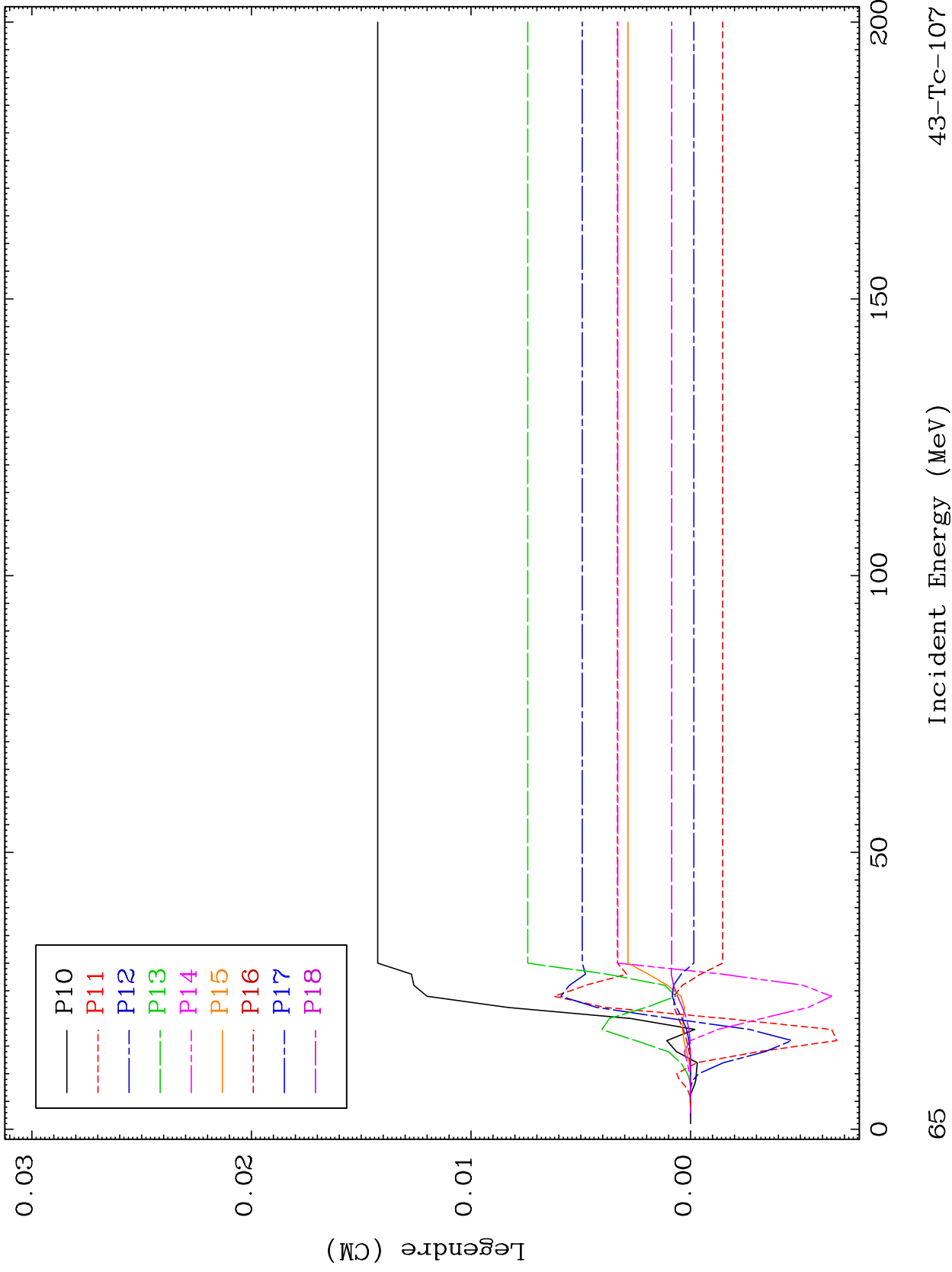
Incident Energy (MeV)

64

MAT 4349

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

43-Tc-107



43-Tc-107

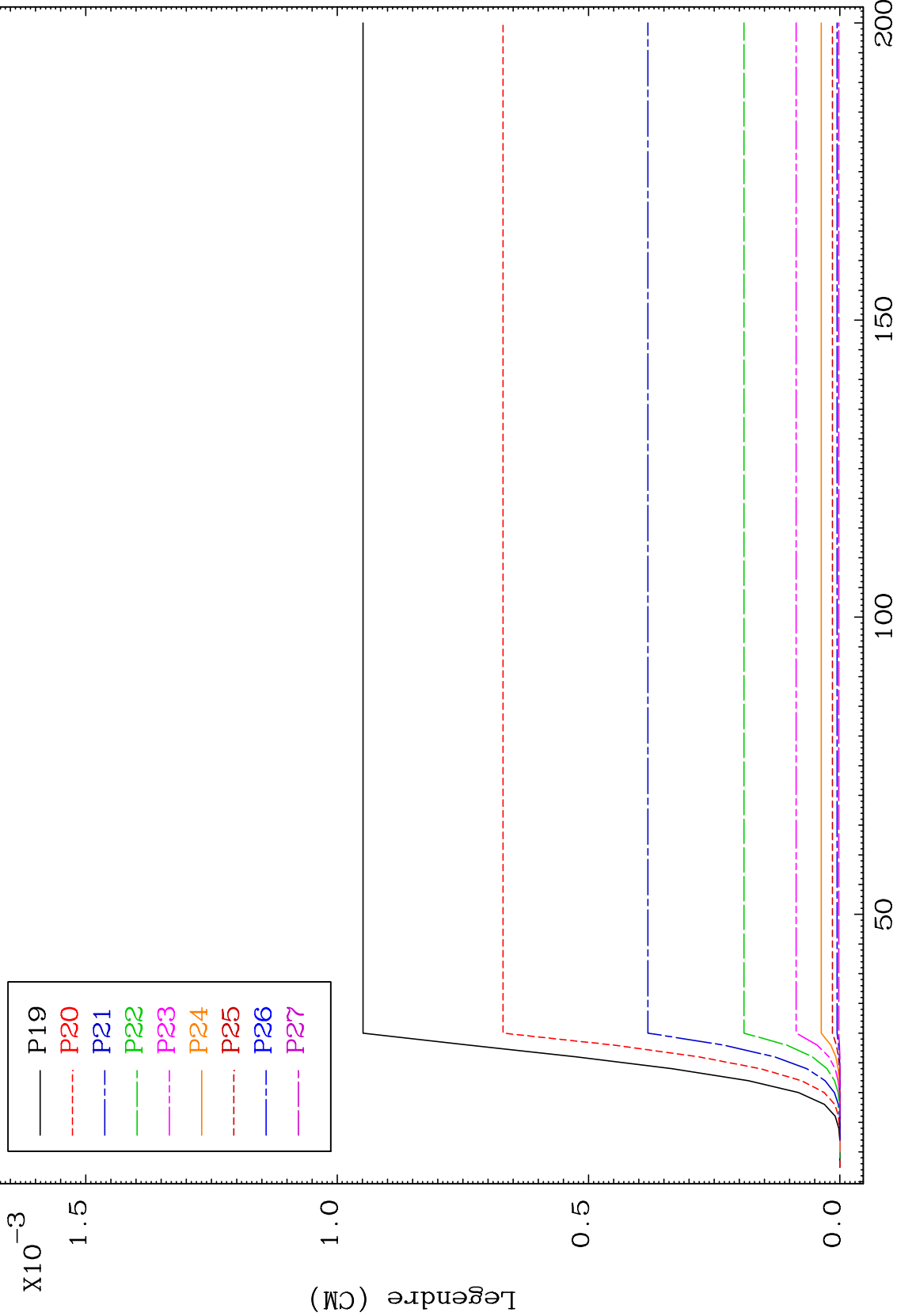
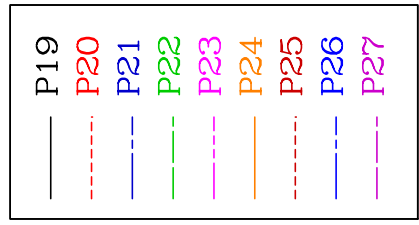
Incident Energy (MeV)

65

MAT 4349

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

43-Tc-107



66

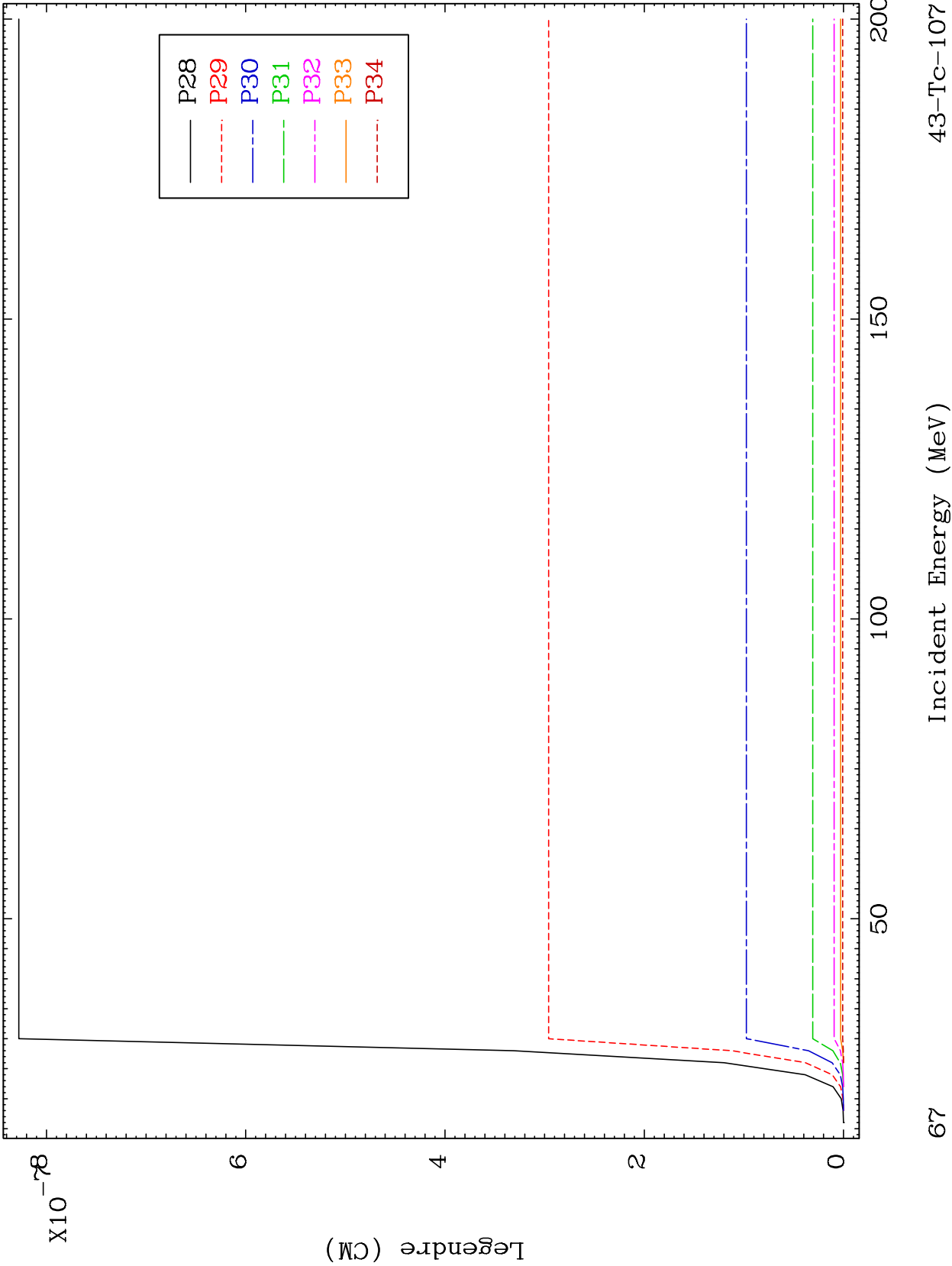
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

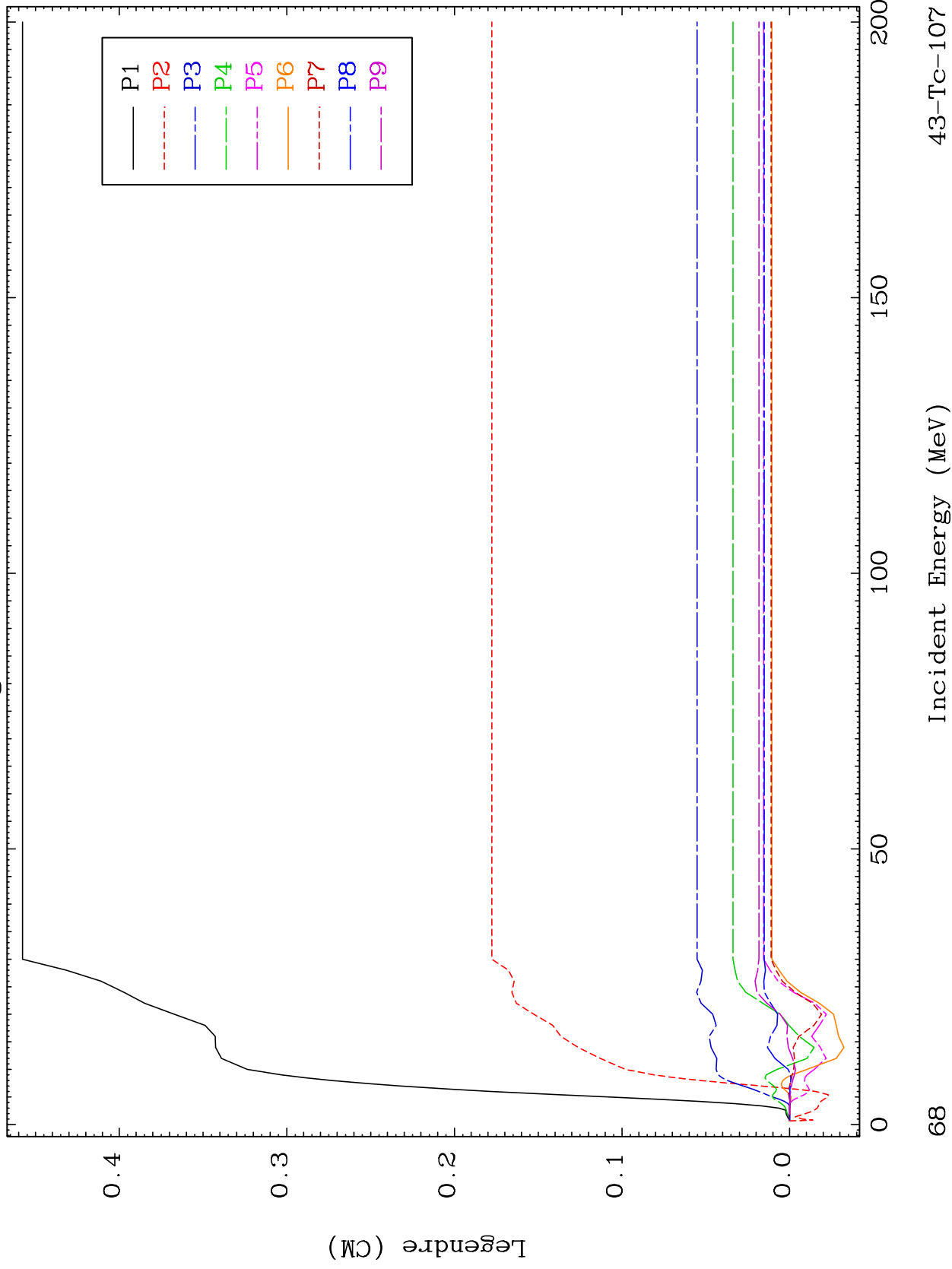
43-Tc-107



MAT 4349

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

43-Tc-107



68

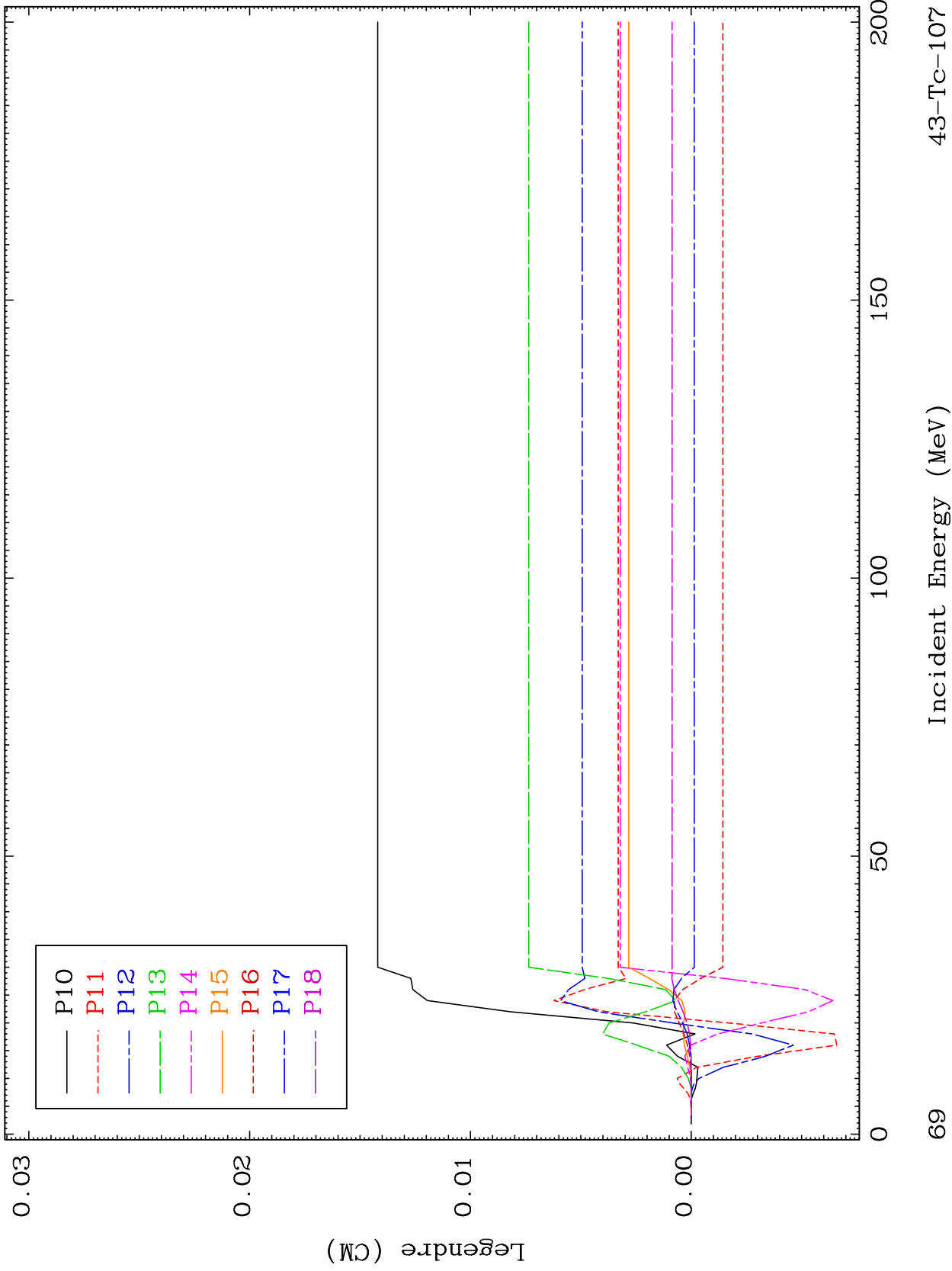
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

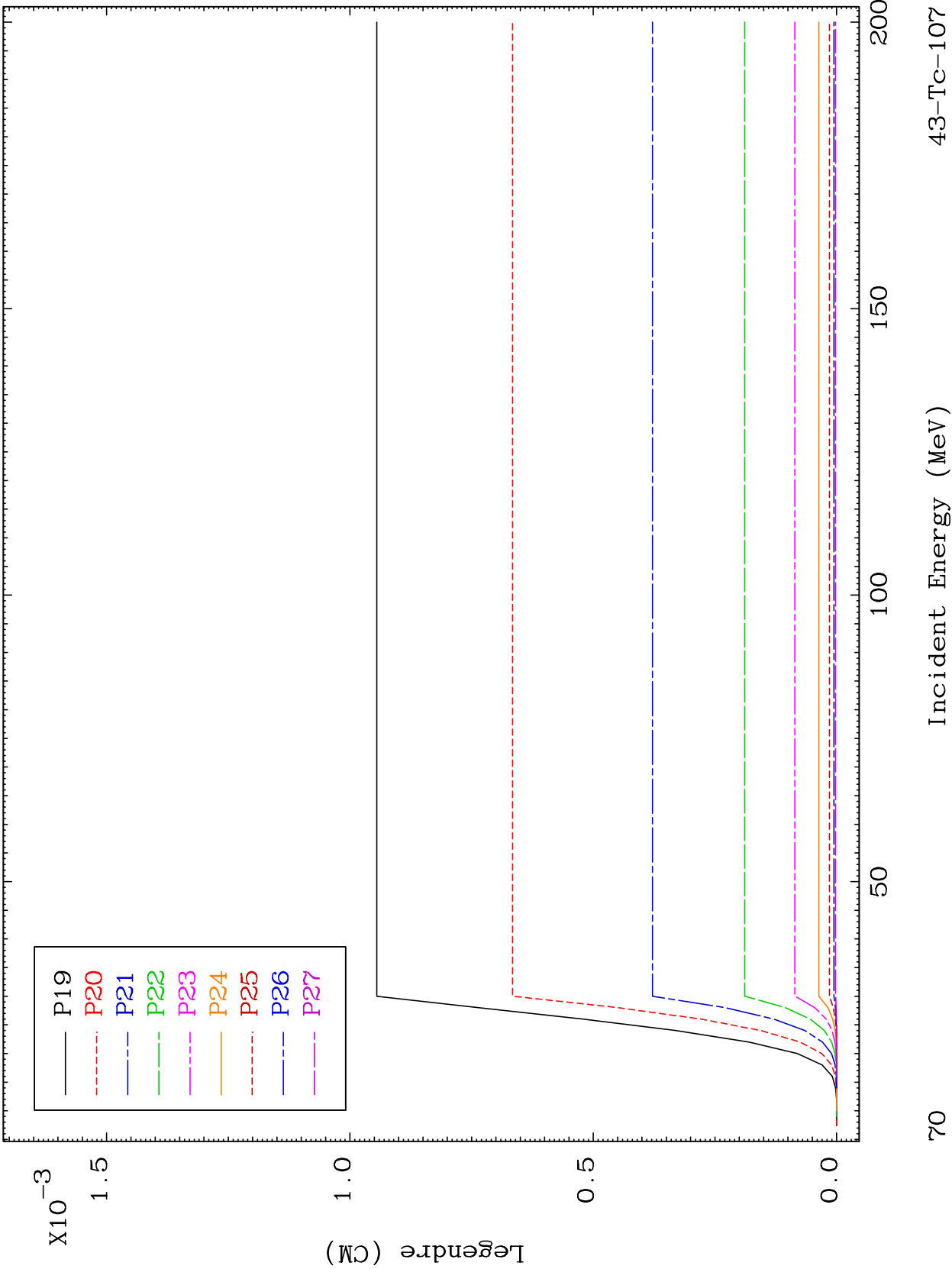
43-Tc-107



MAT 4349

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

43-Tc-107



70

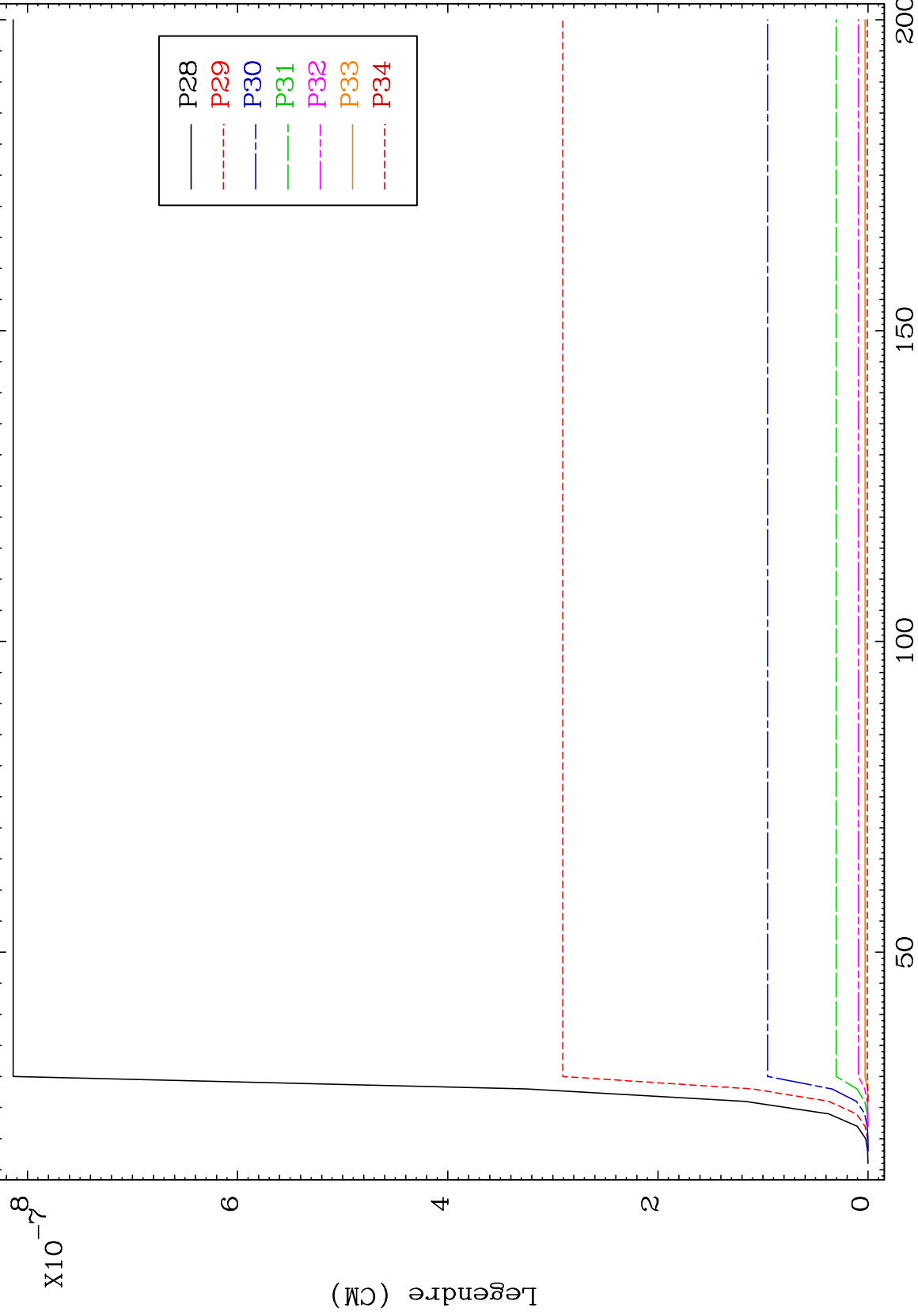
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



71

Incident Energy (MeV)

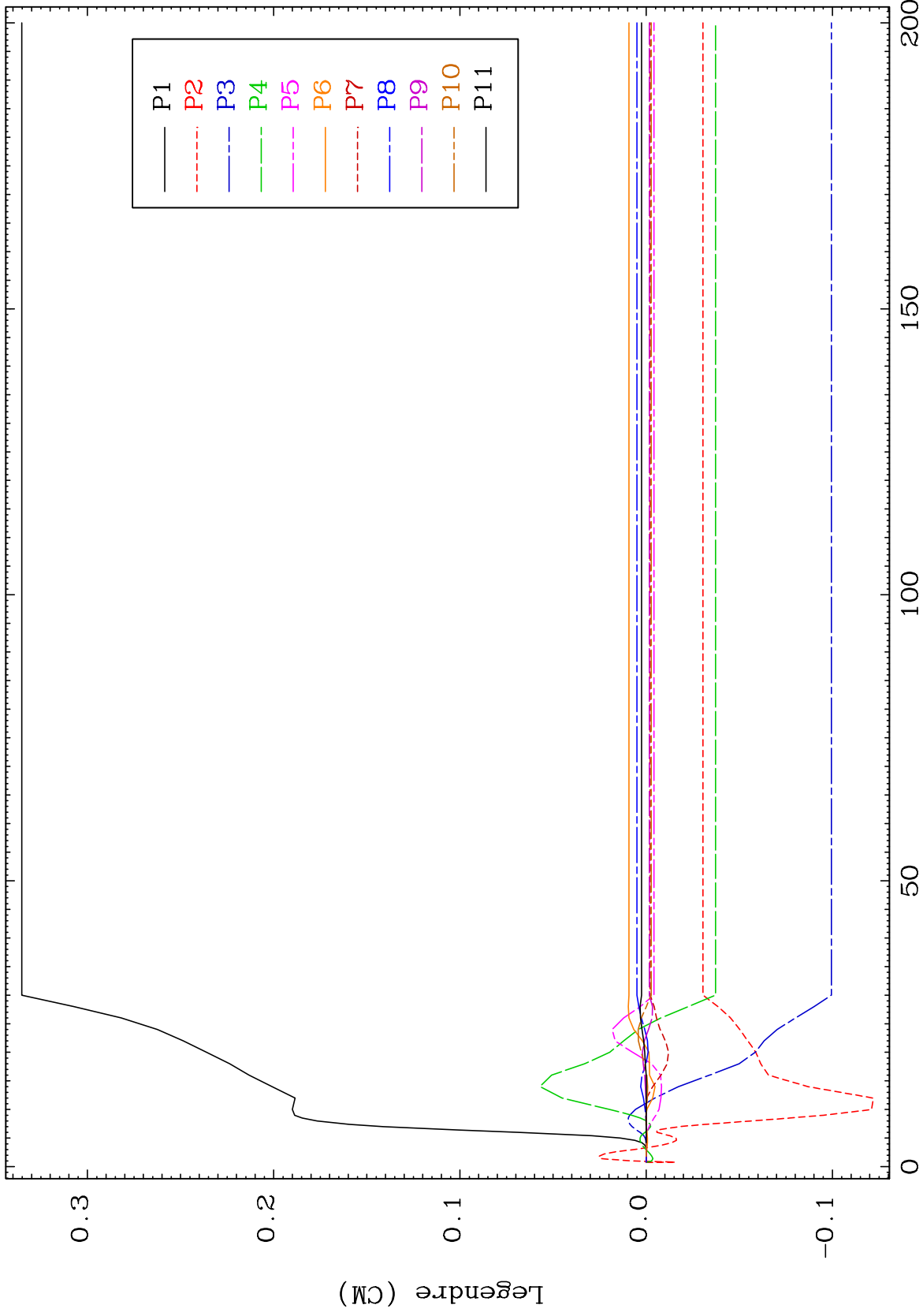
43-Tc-107



MAT 4349

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

43-Tc-107



72

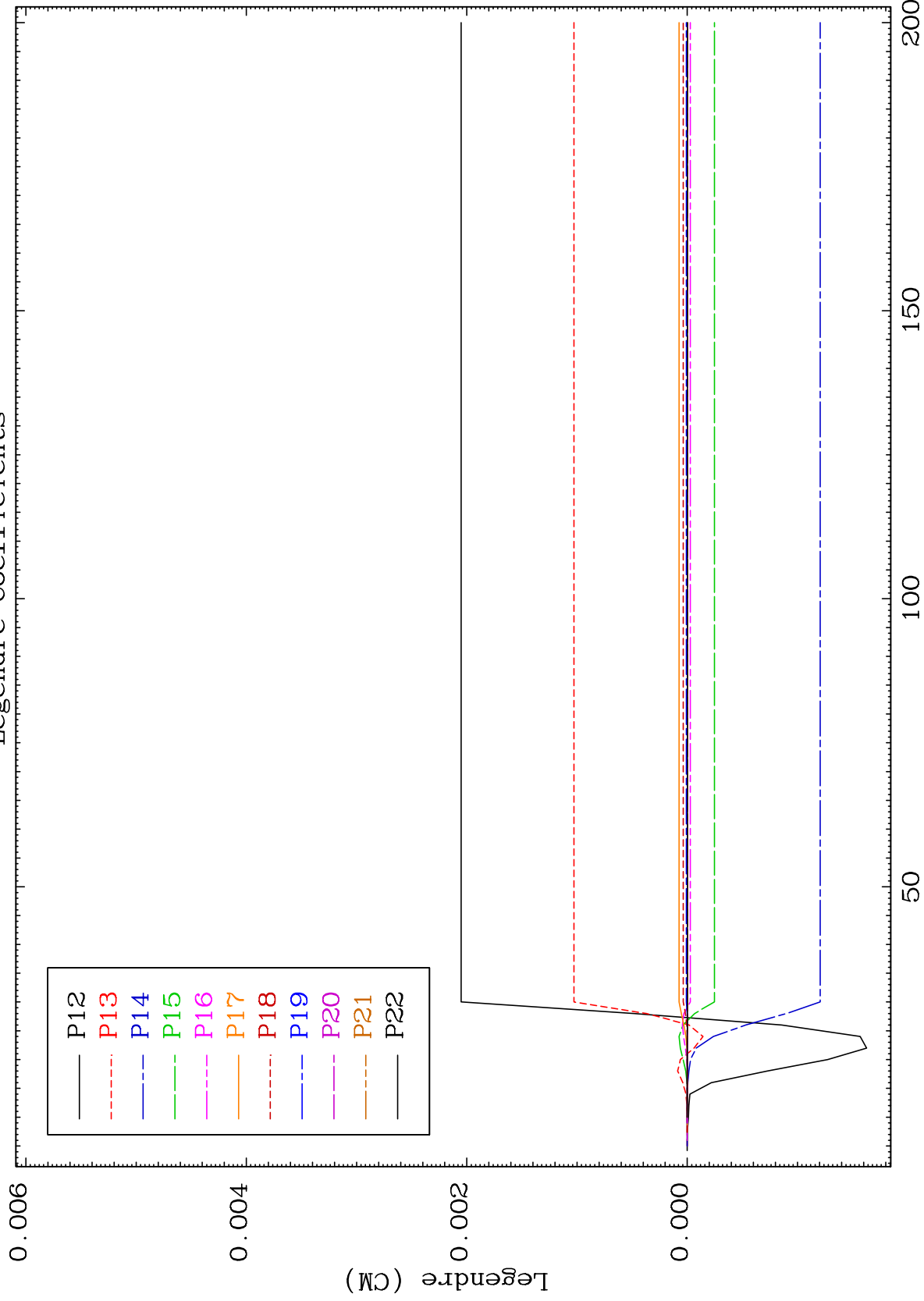
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



73

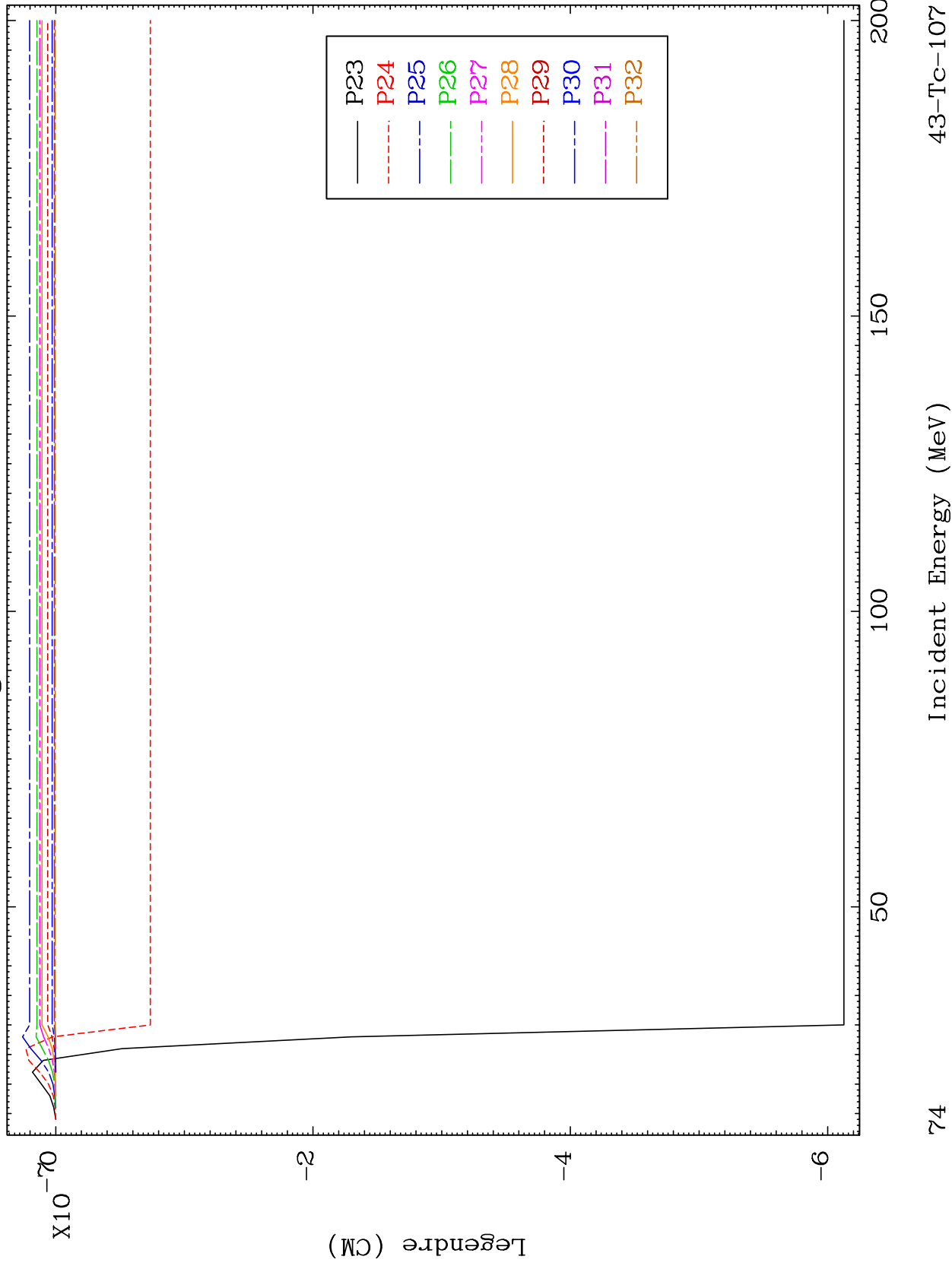
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

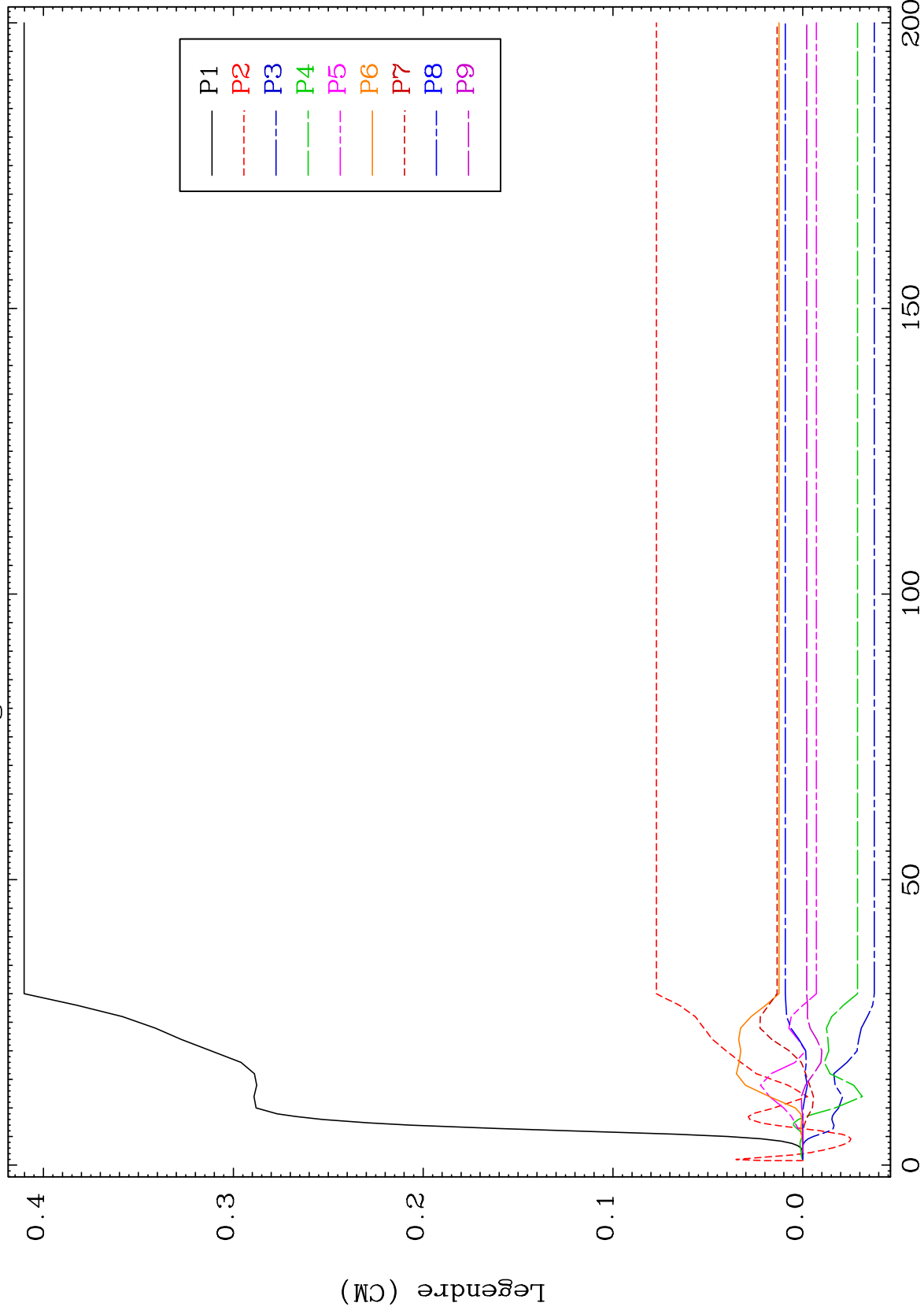
43-Tc-107



MAT 4349

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

43-Tc-107



75

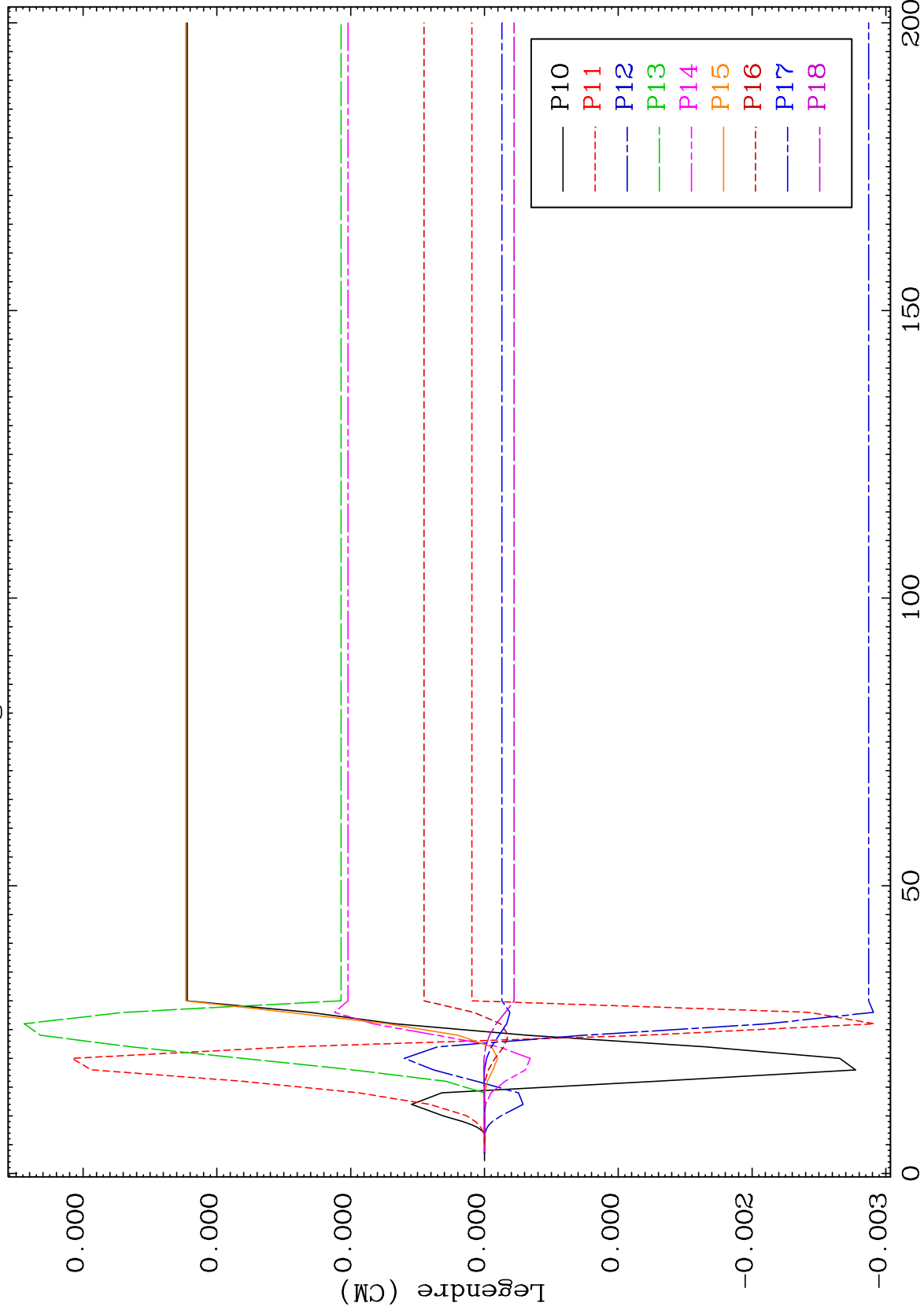
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

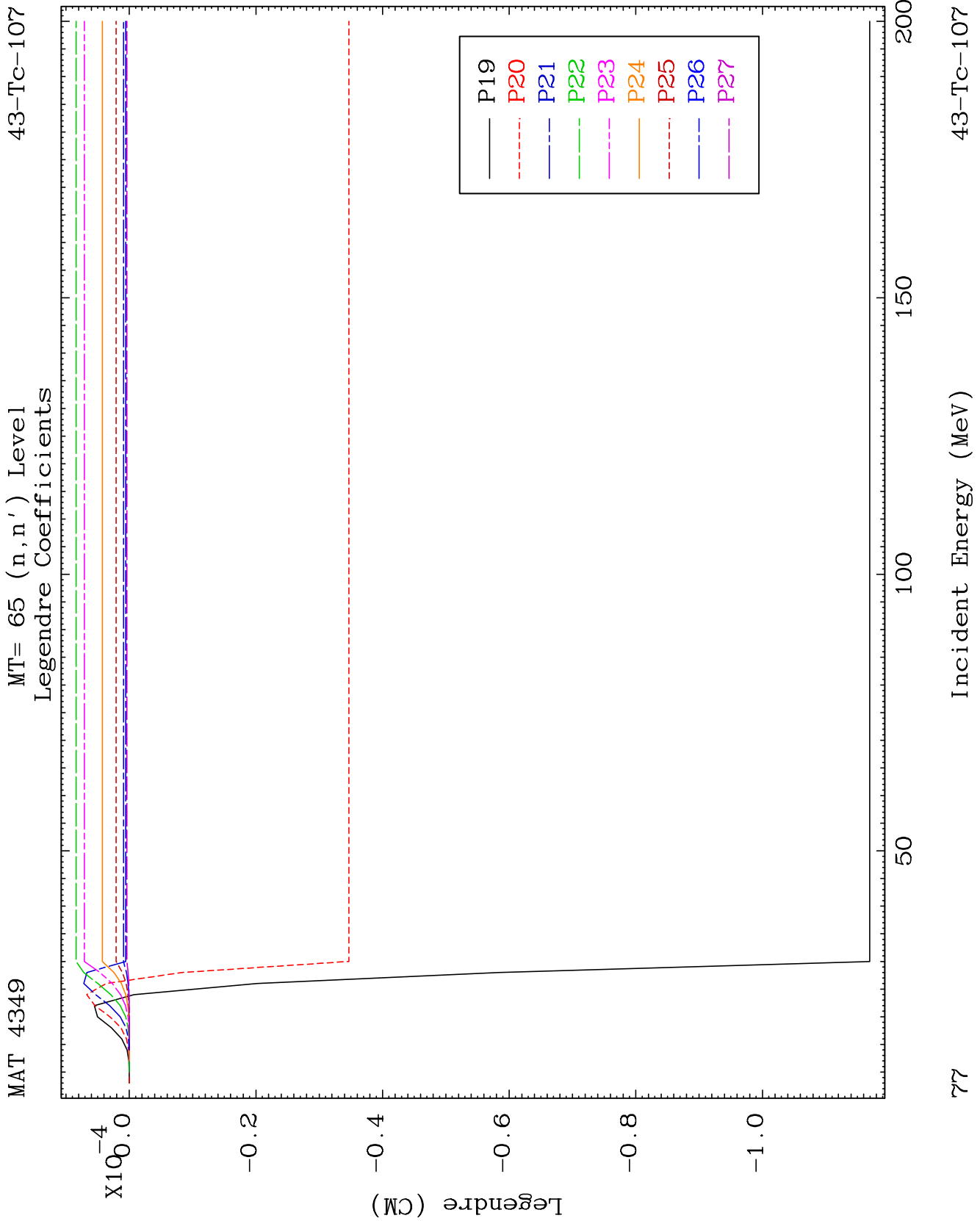
43-Tc-107



76

Incident Energy (MeV)

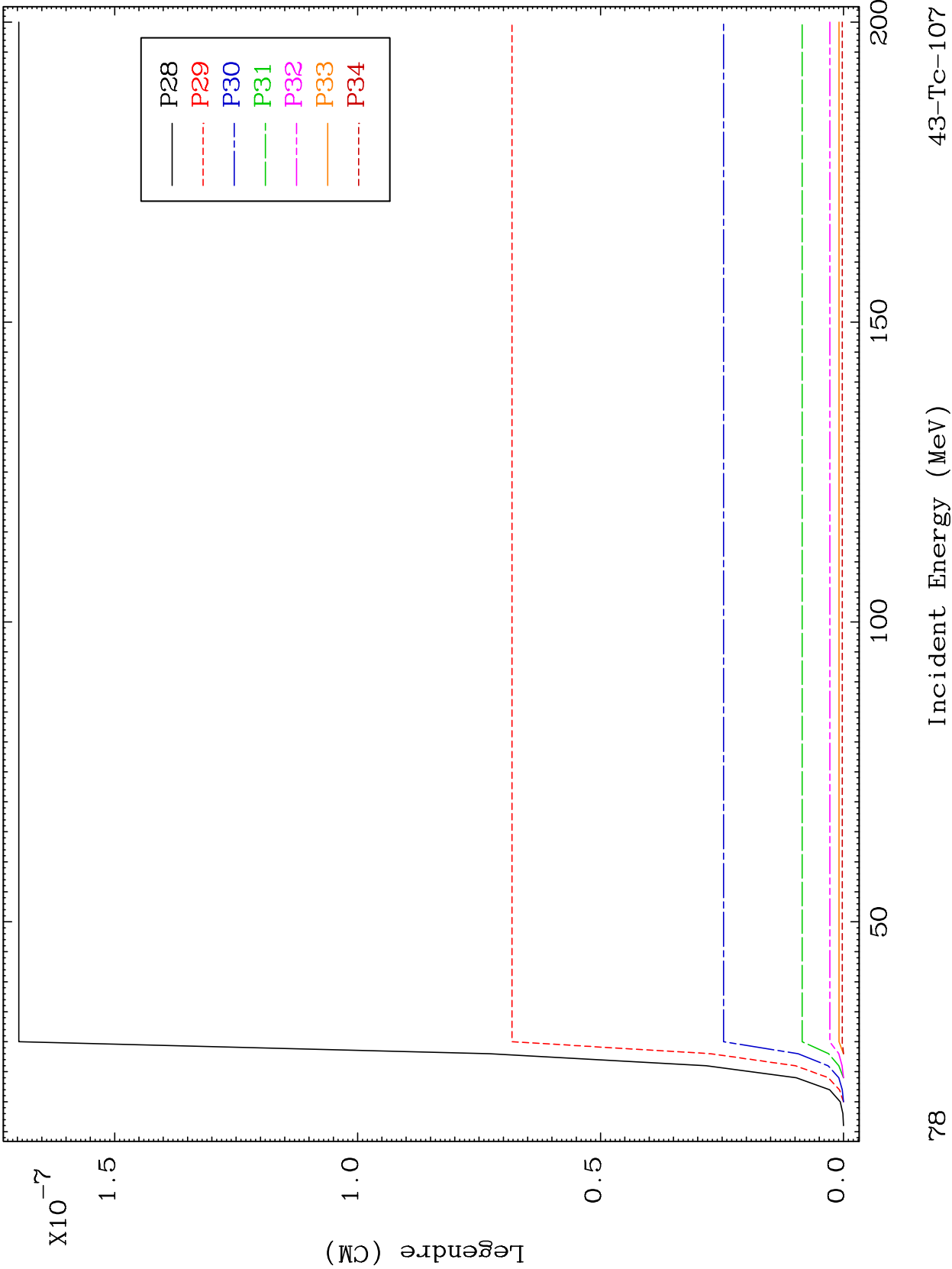
43-Tc-107



MAT 4349

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

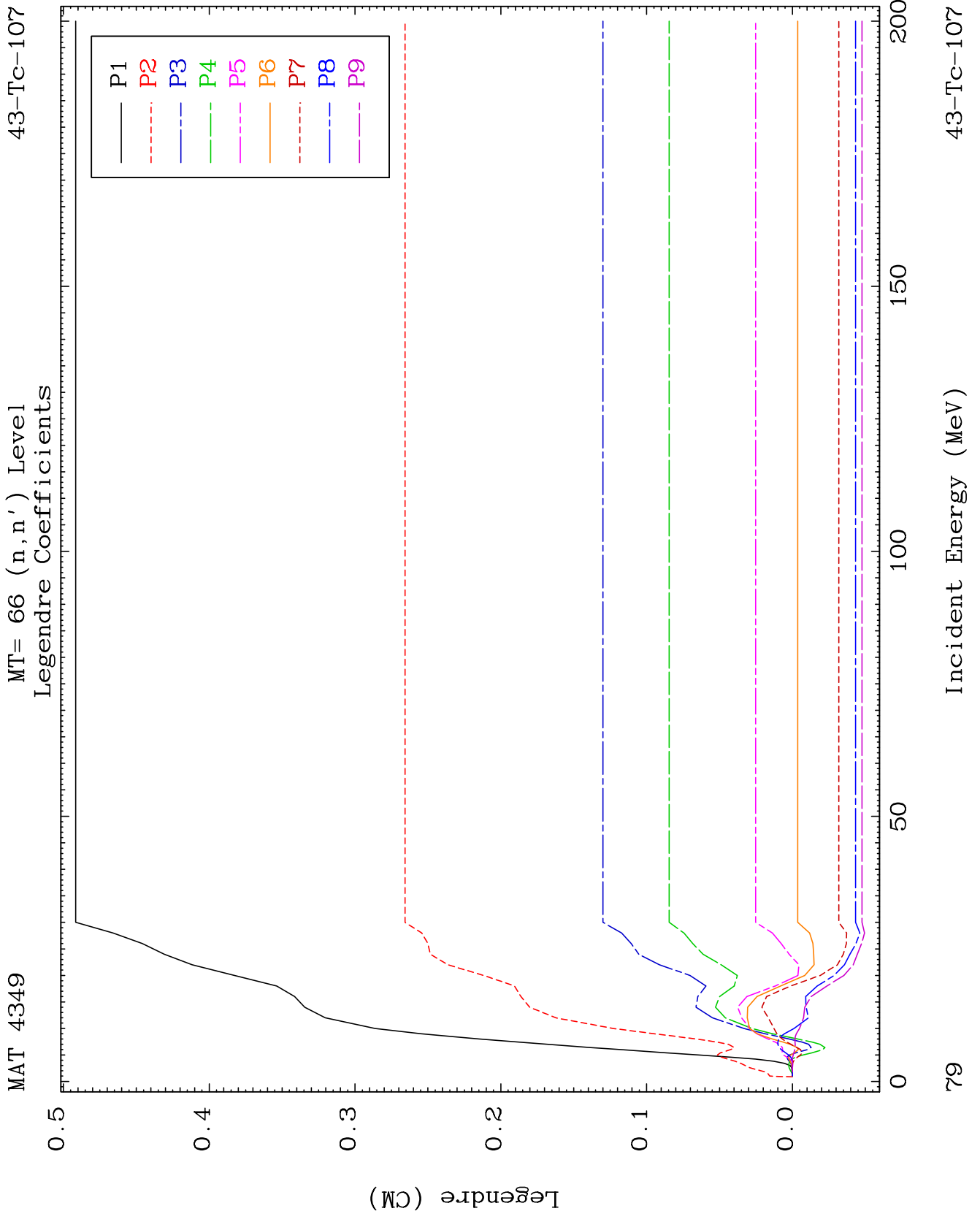
43-Tc-107



78

Incident Energy (MeV)

43-Tc-107

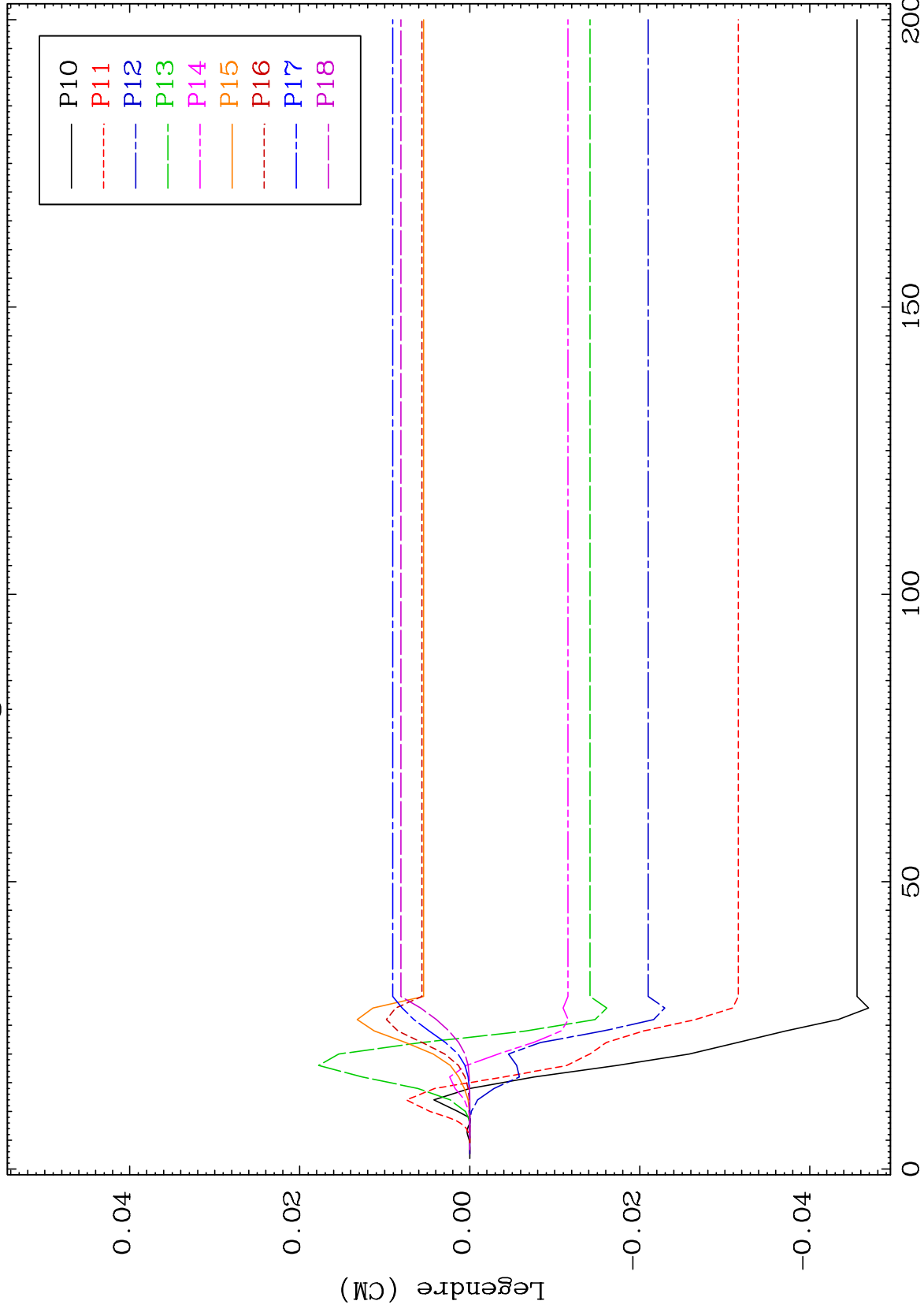




MAT 4349

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

43-Tc-107



80

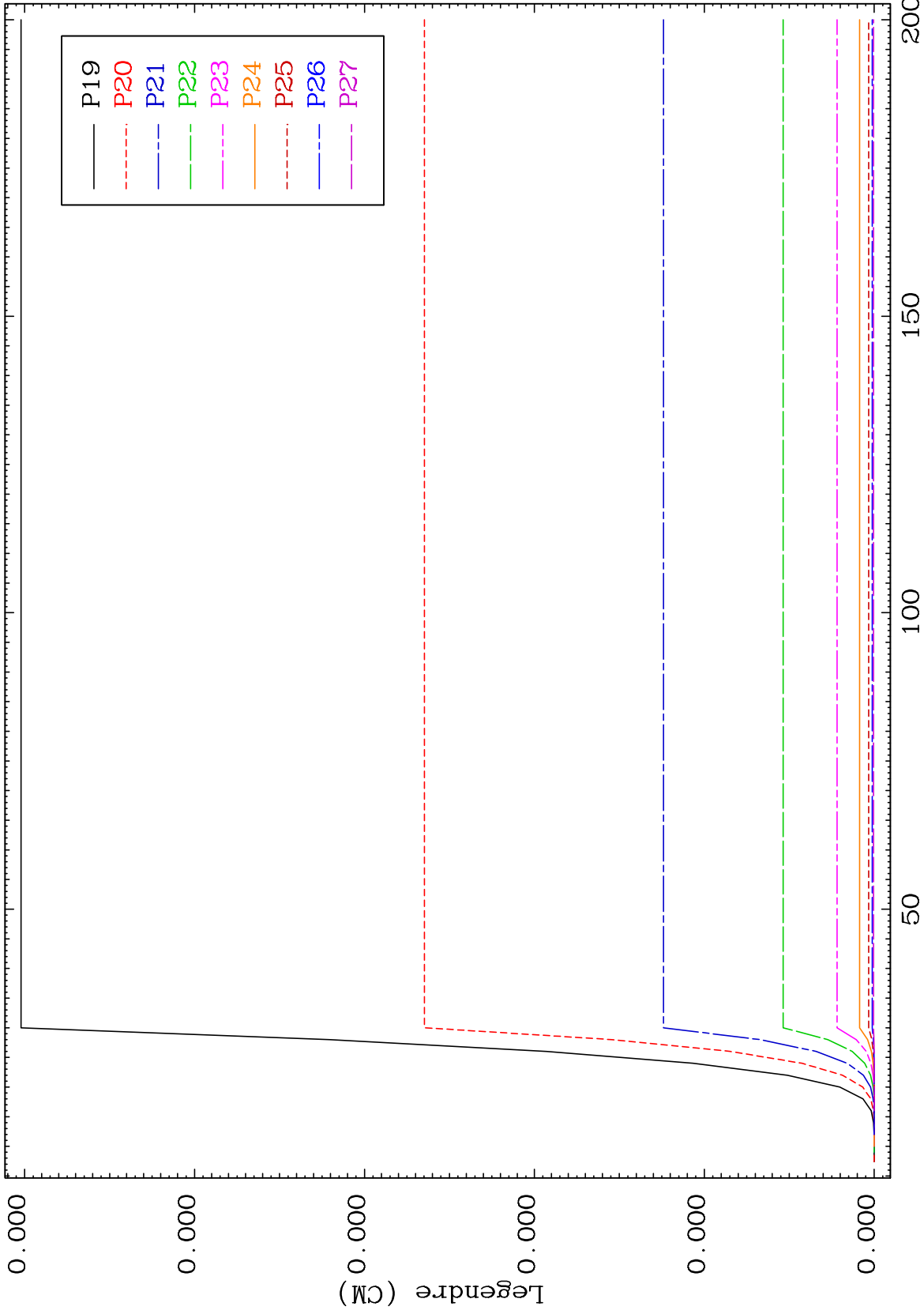
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



81

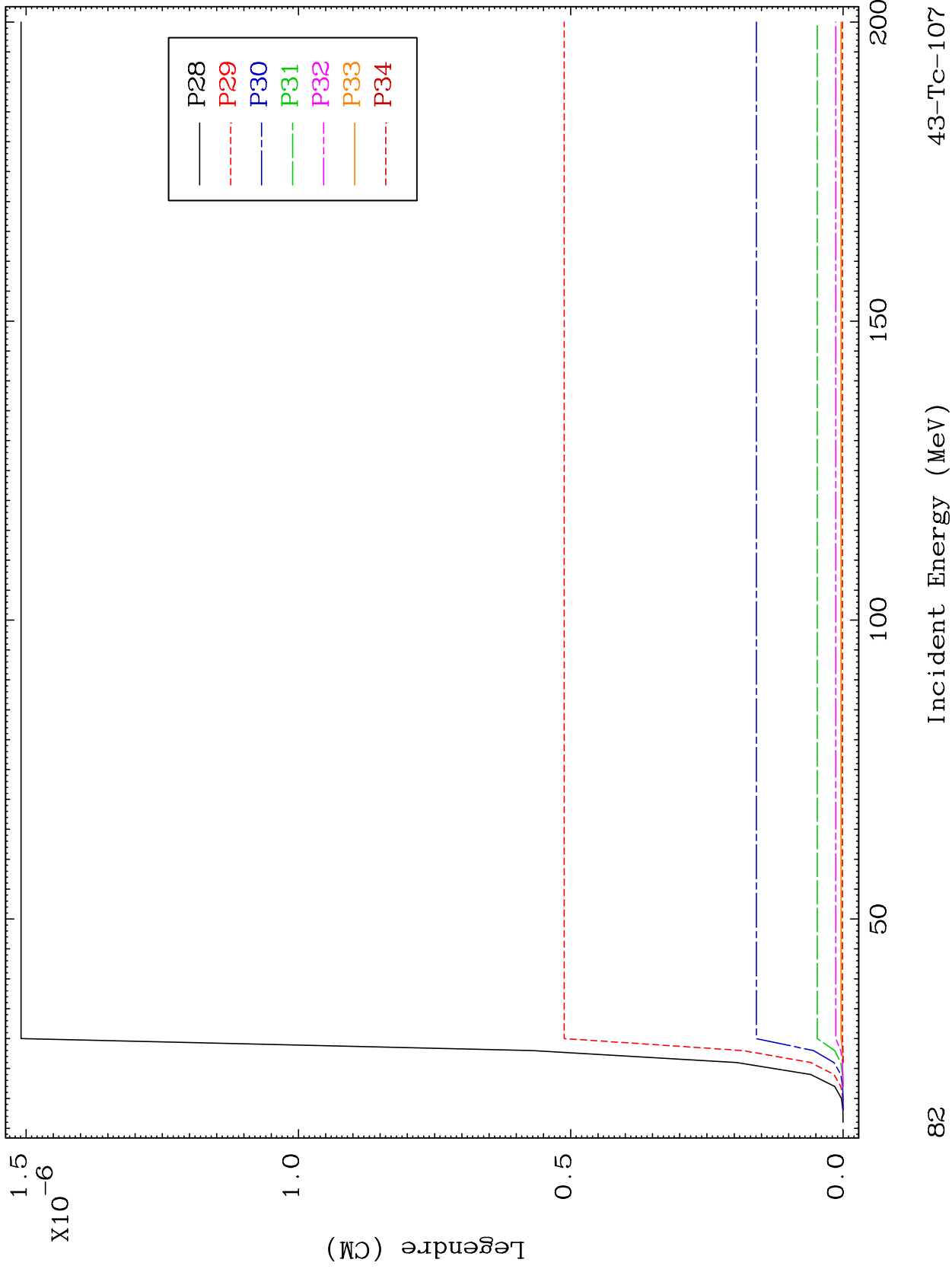
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

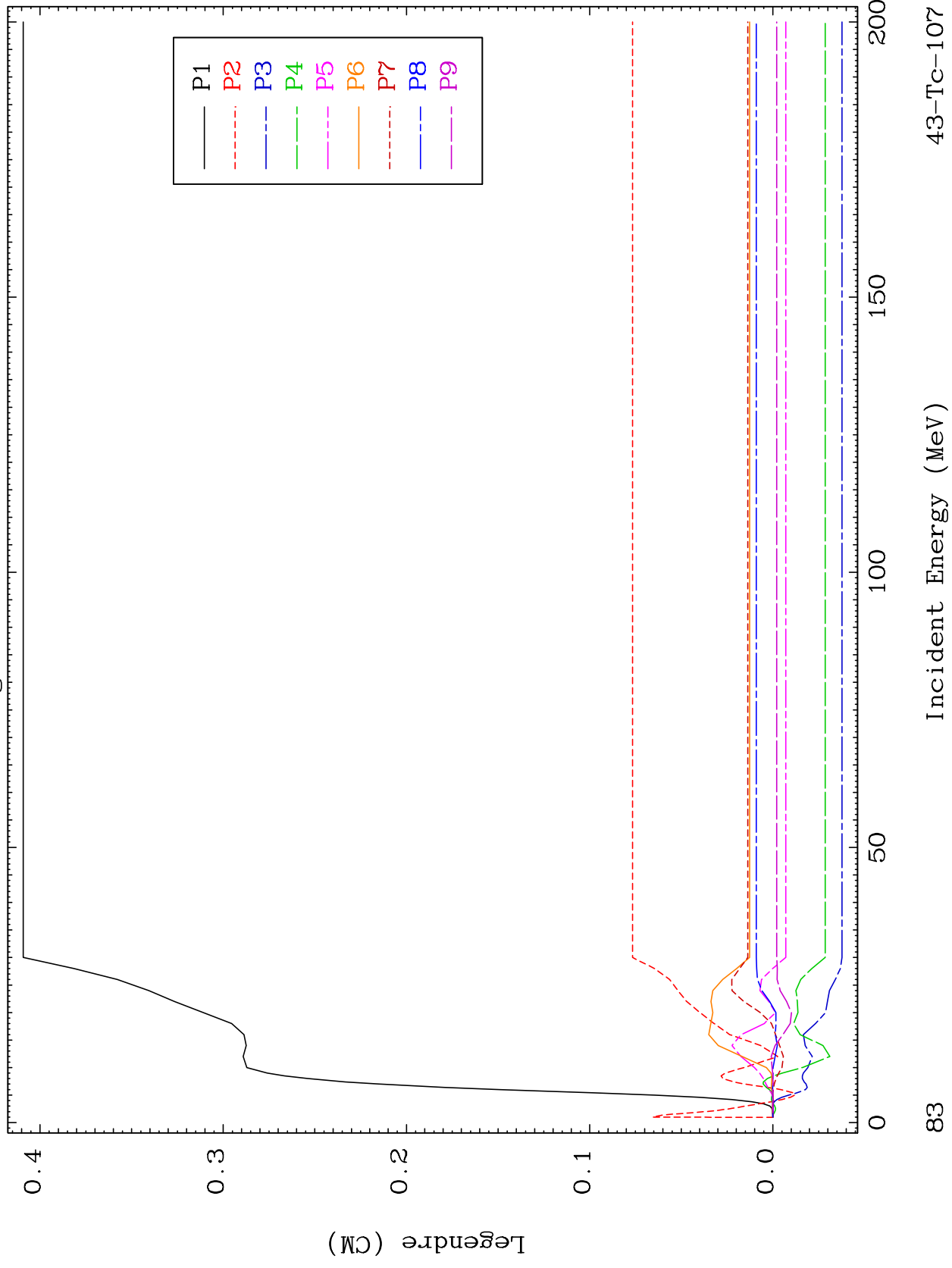


82

MAT 4349

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

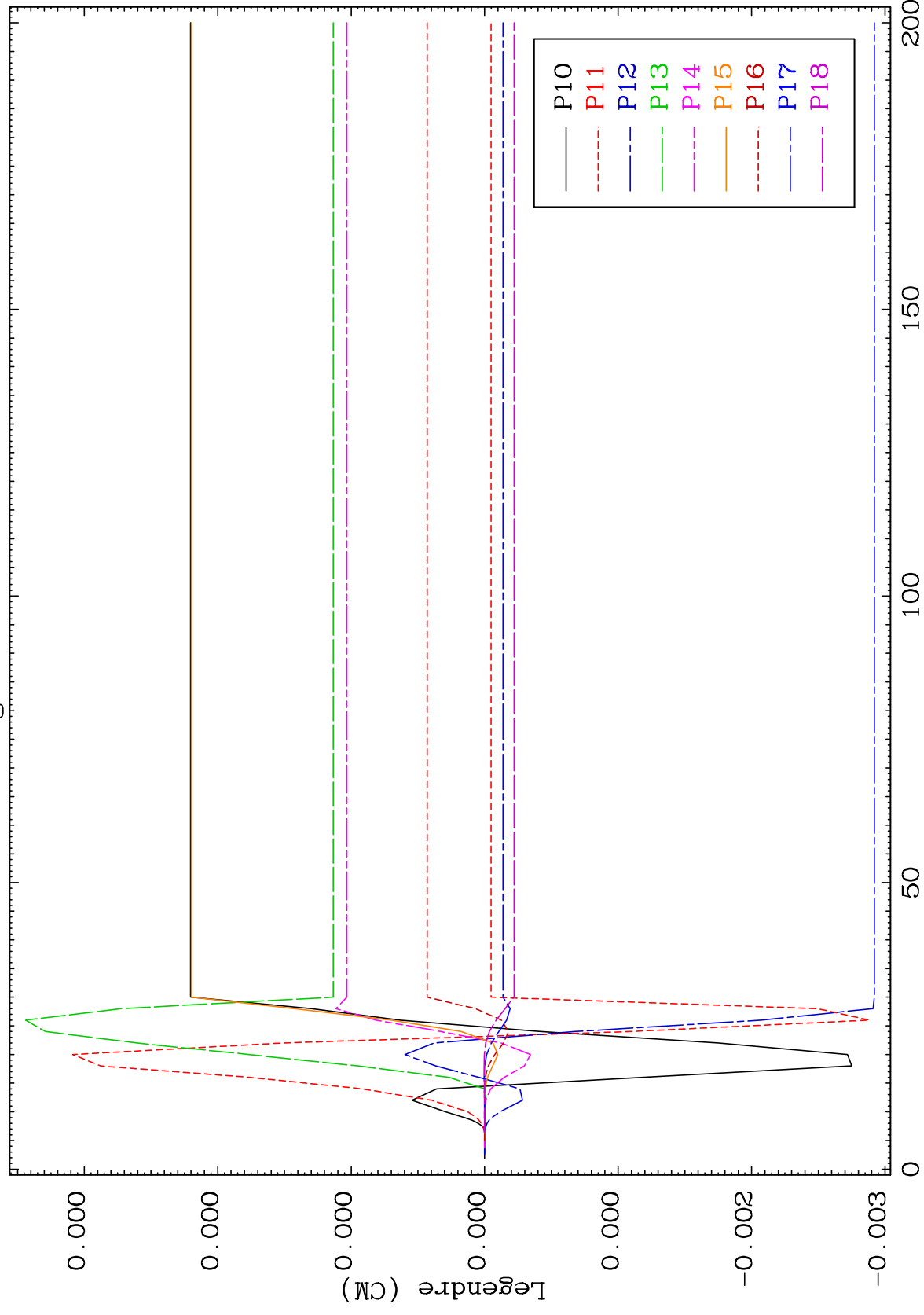
43-Tc-107



MAT 4349

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

43-Tc-107



84

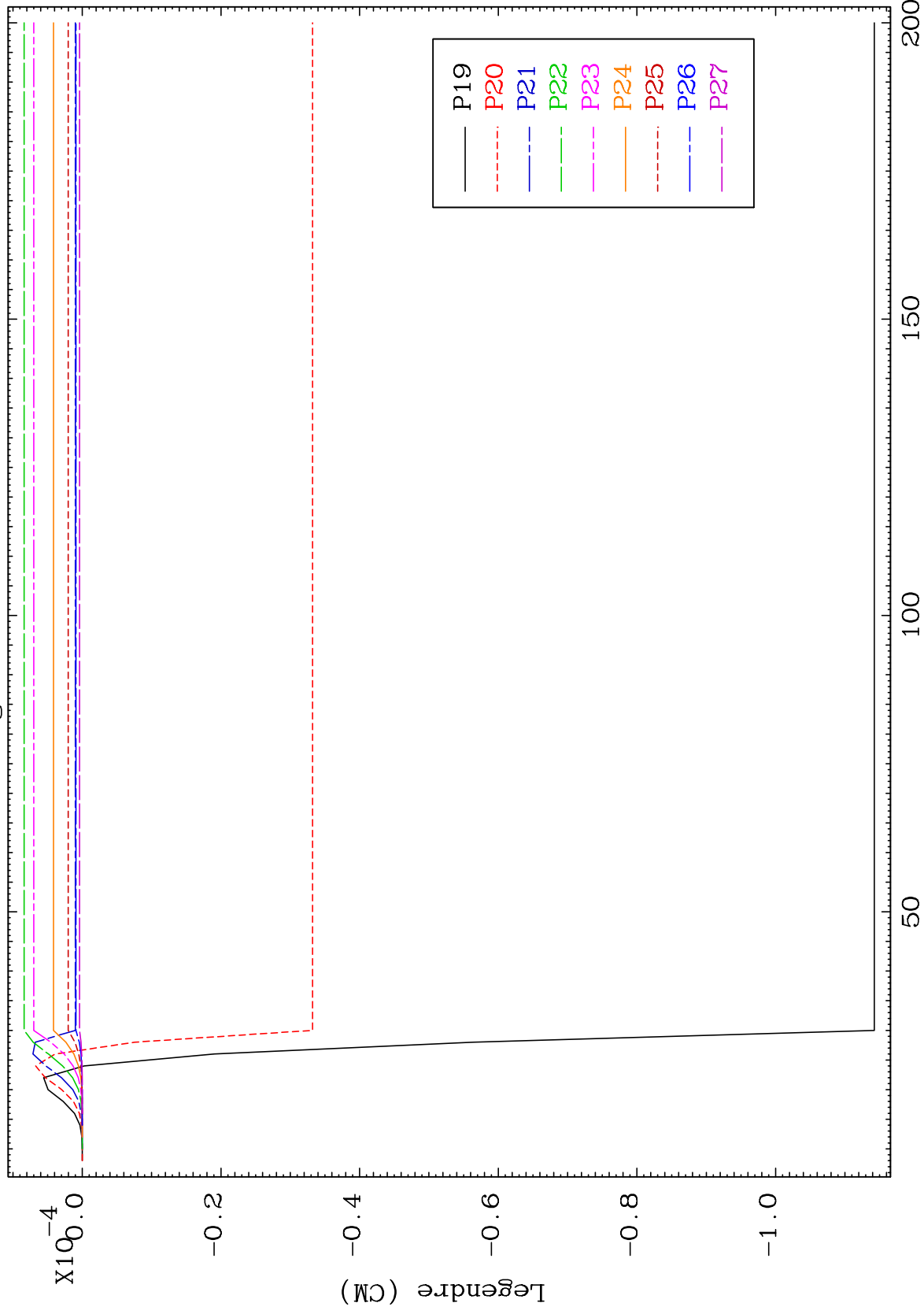
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



85

Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

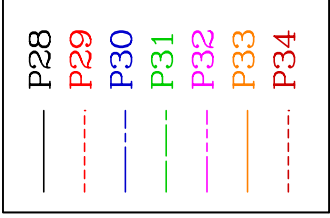
$\times 10^{-7}$   
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

86

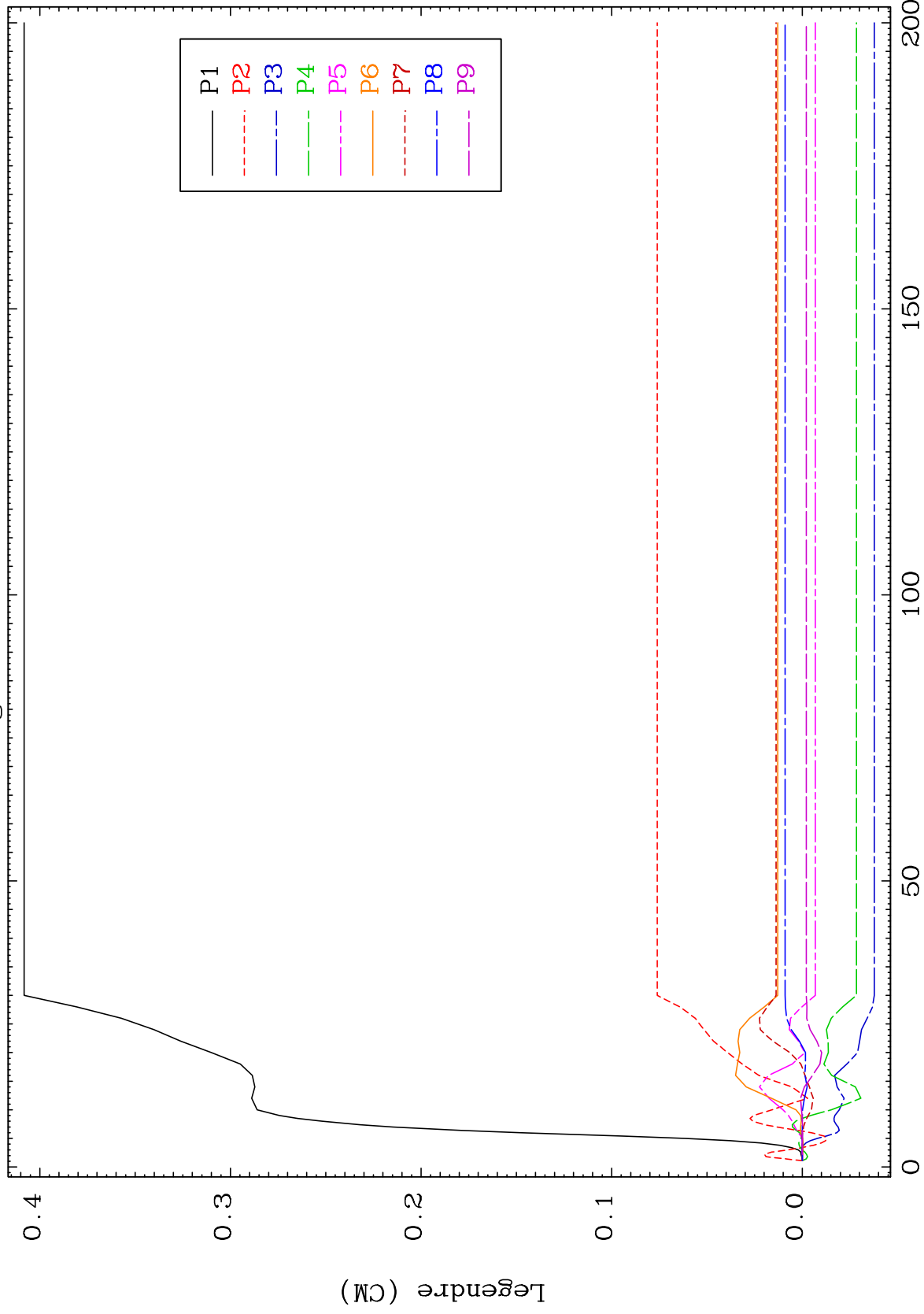
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



87

Incident Energy (MeV)

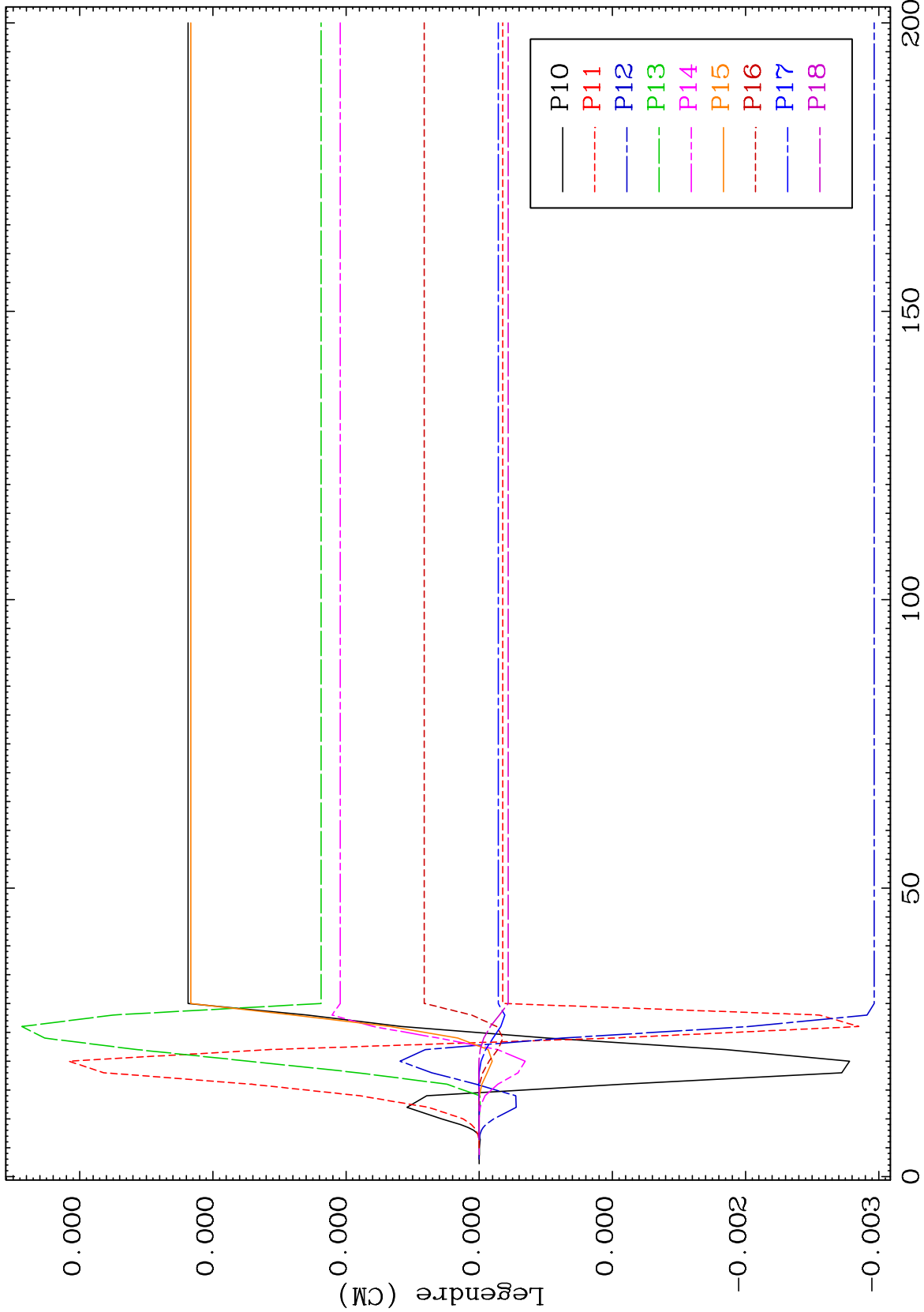
43-Tc-107



MAT 4349

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

43-Tc-107



88

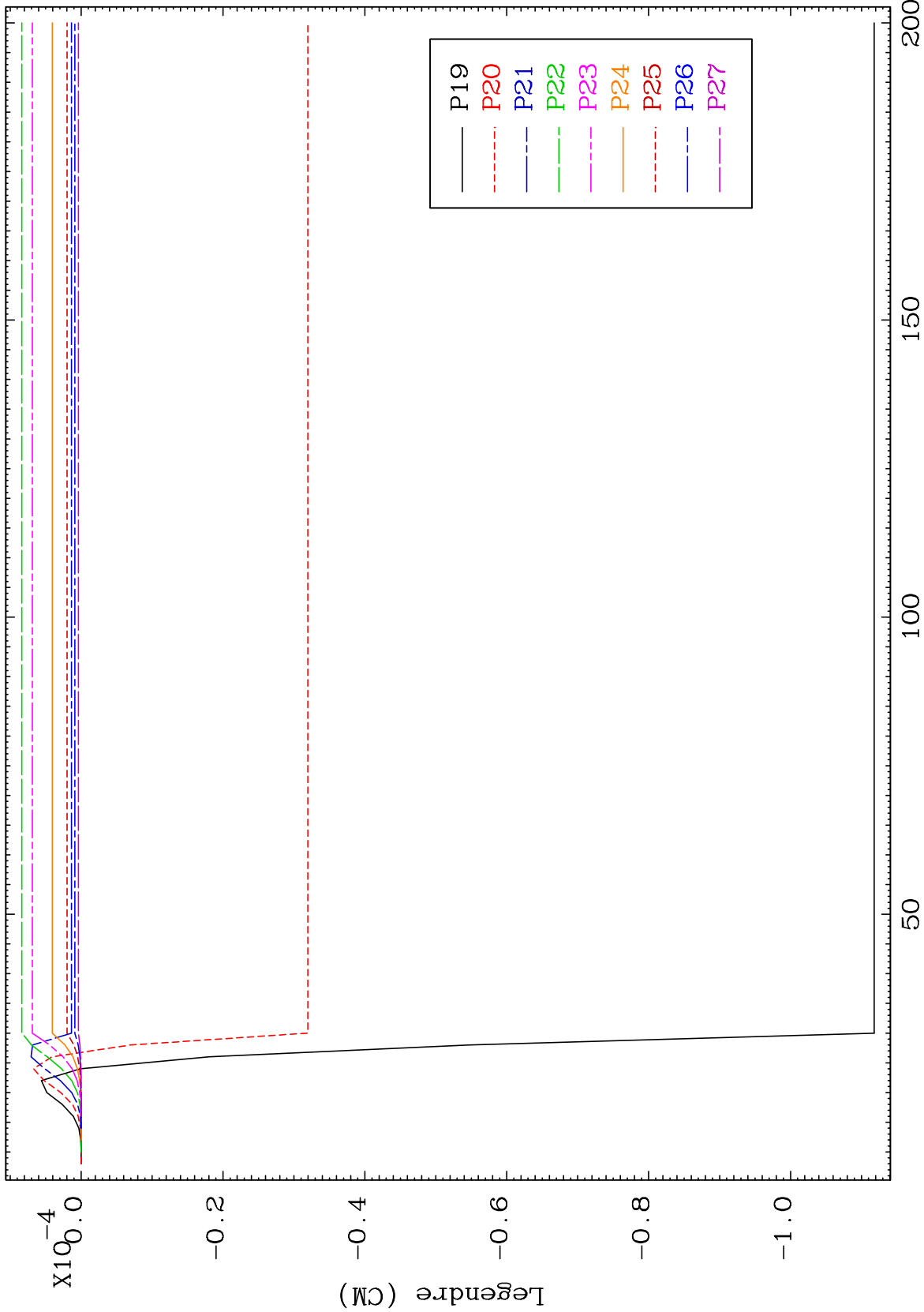
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

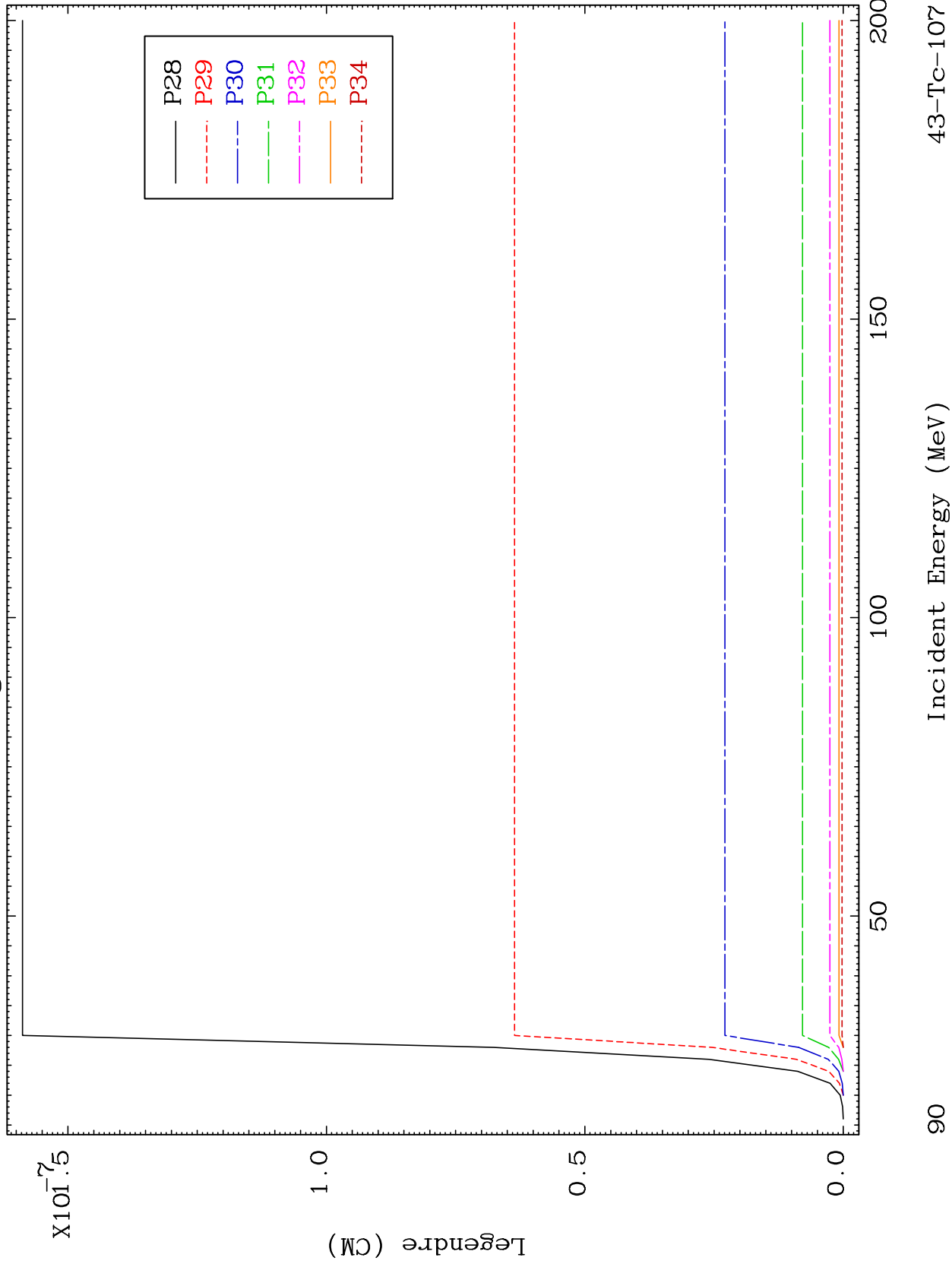
43-Tc-107



MAT 4349

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

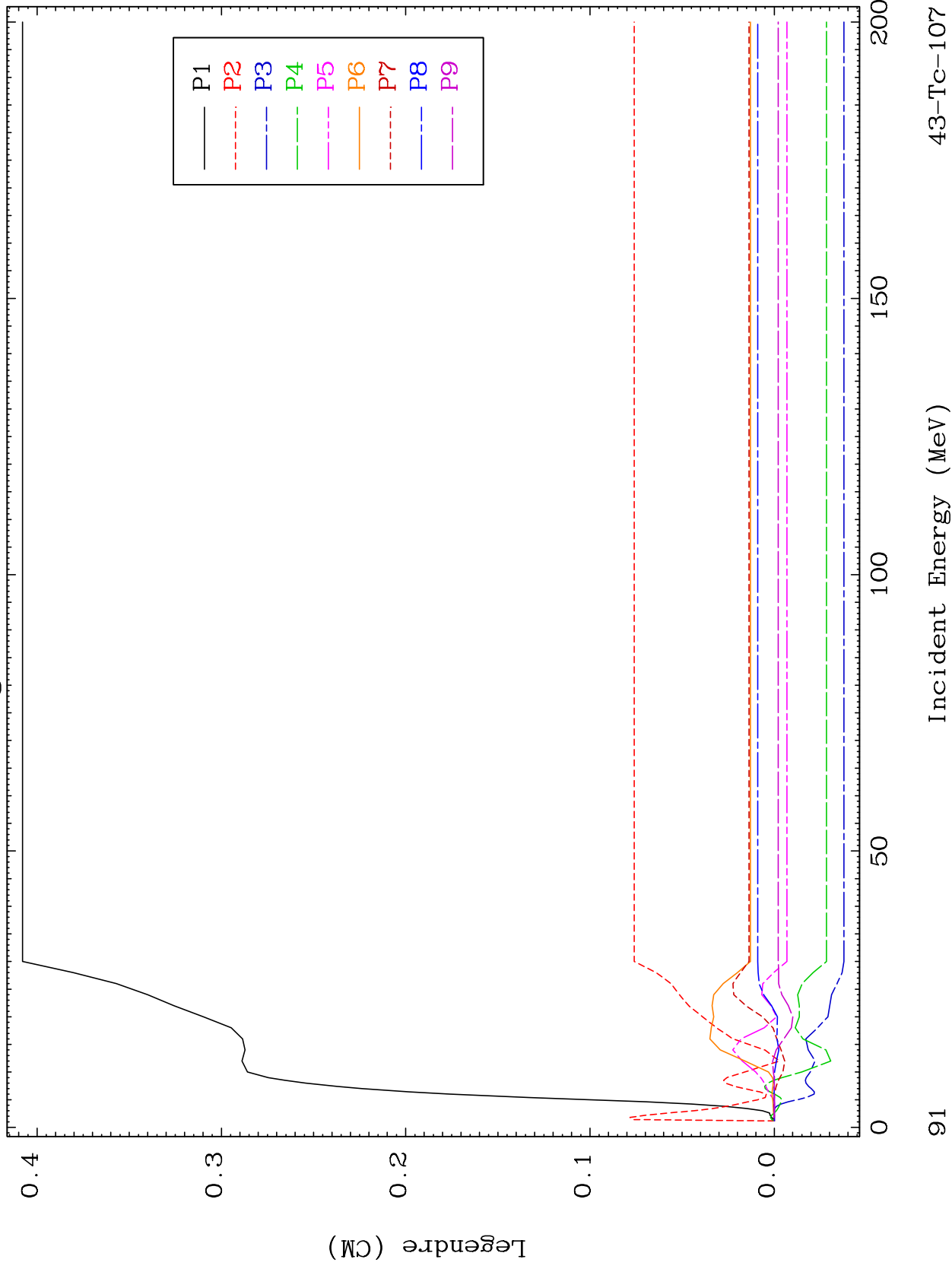
43-Tc-107



MAT 4349

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

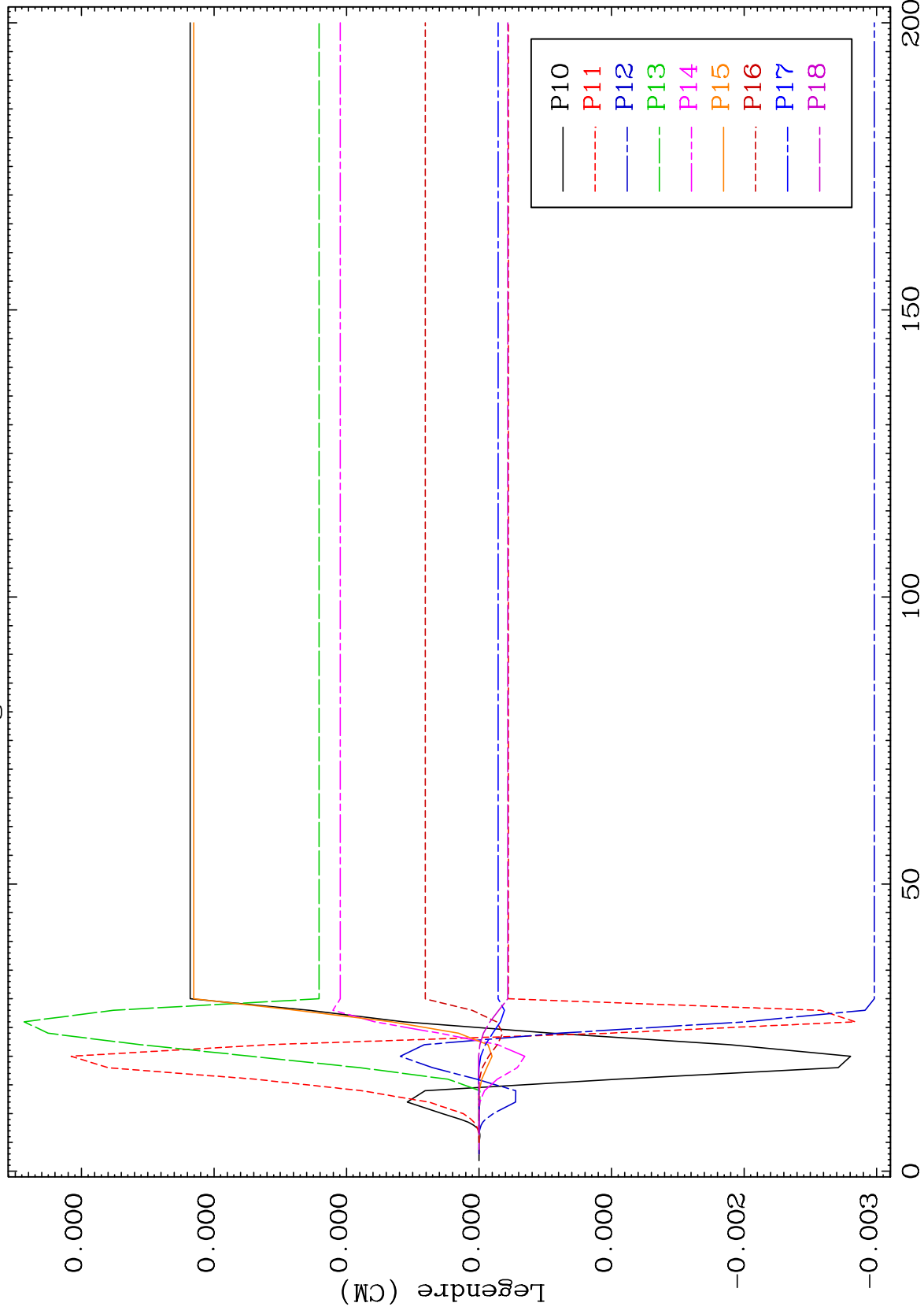
43-Tc-107



MAT 4349

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

43-Tc-107



92

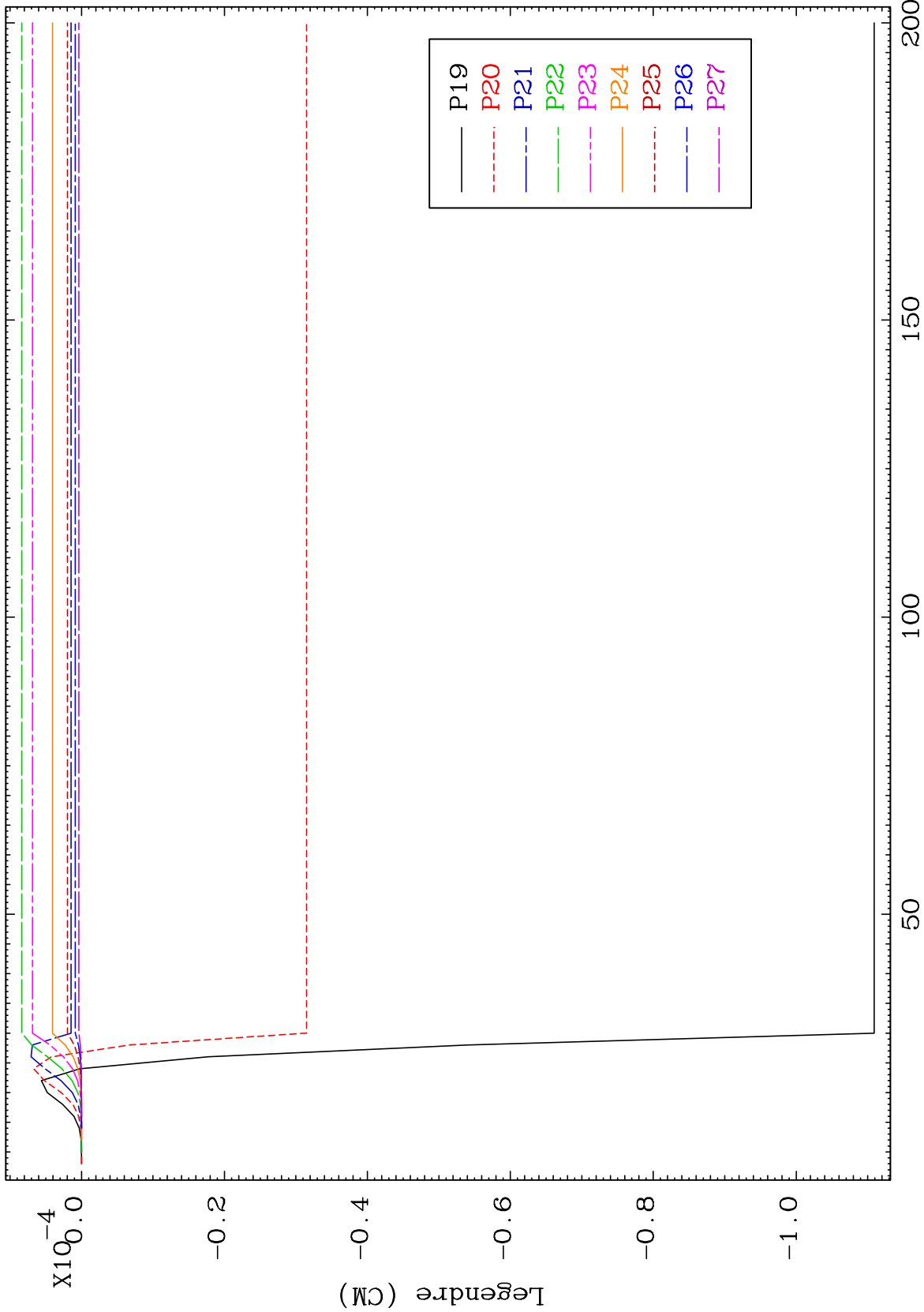
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

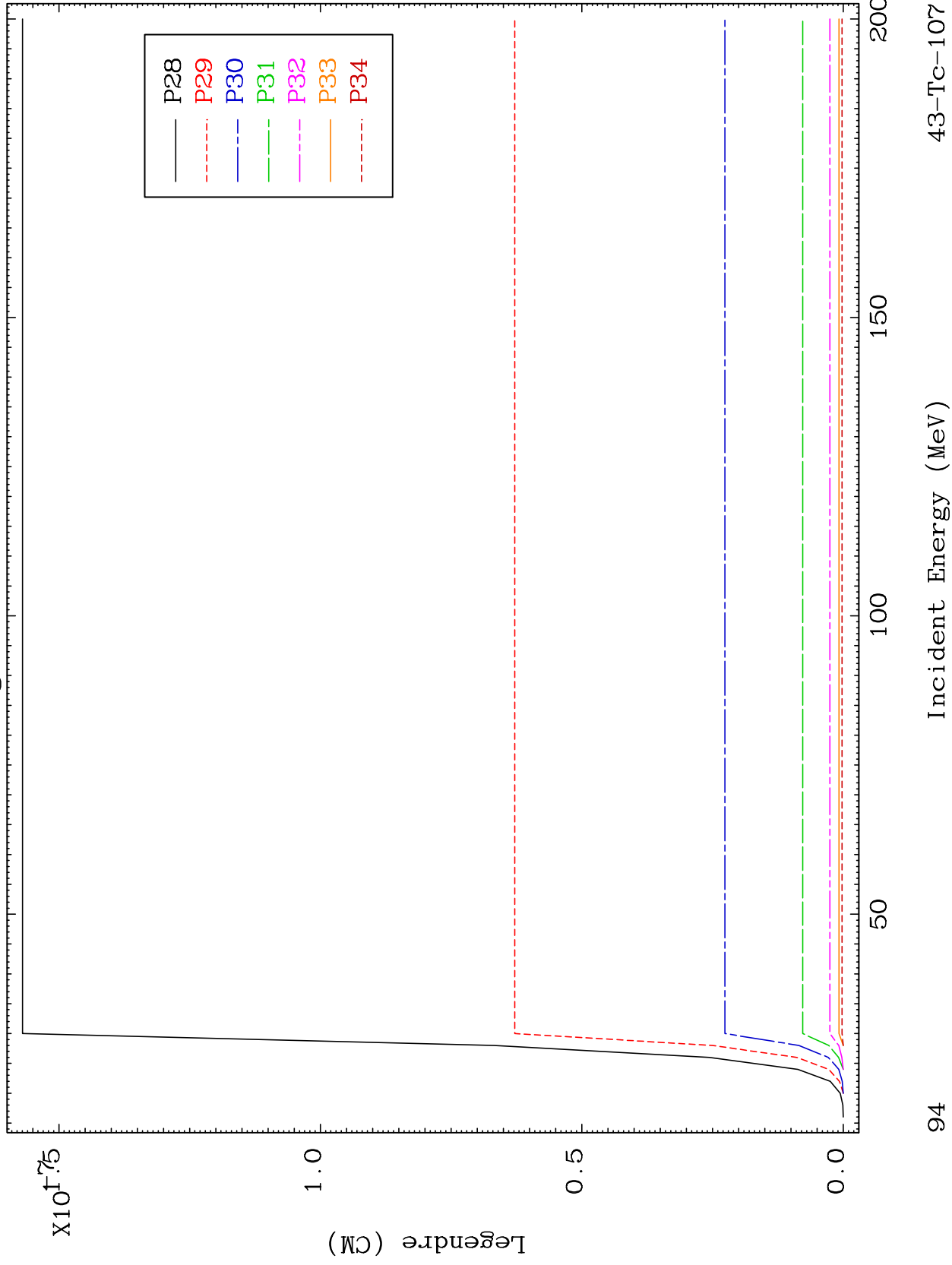
43-Tc-107



MAT 4349

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

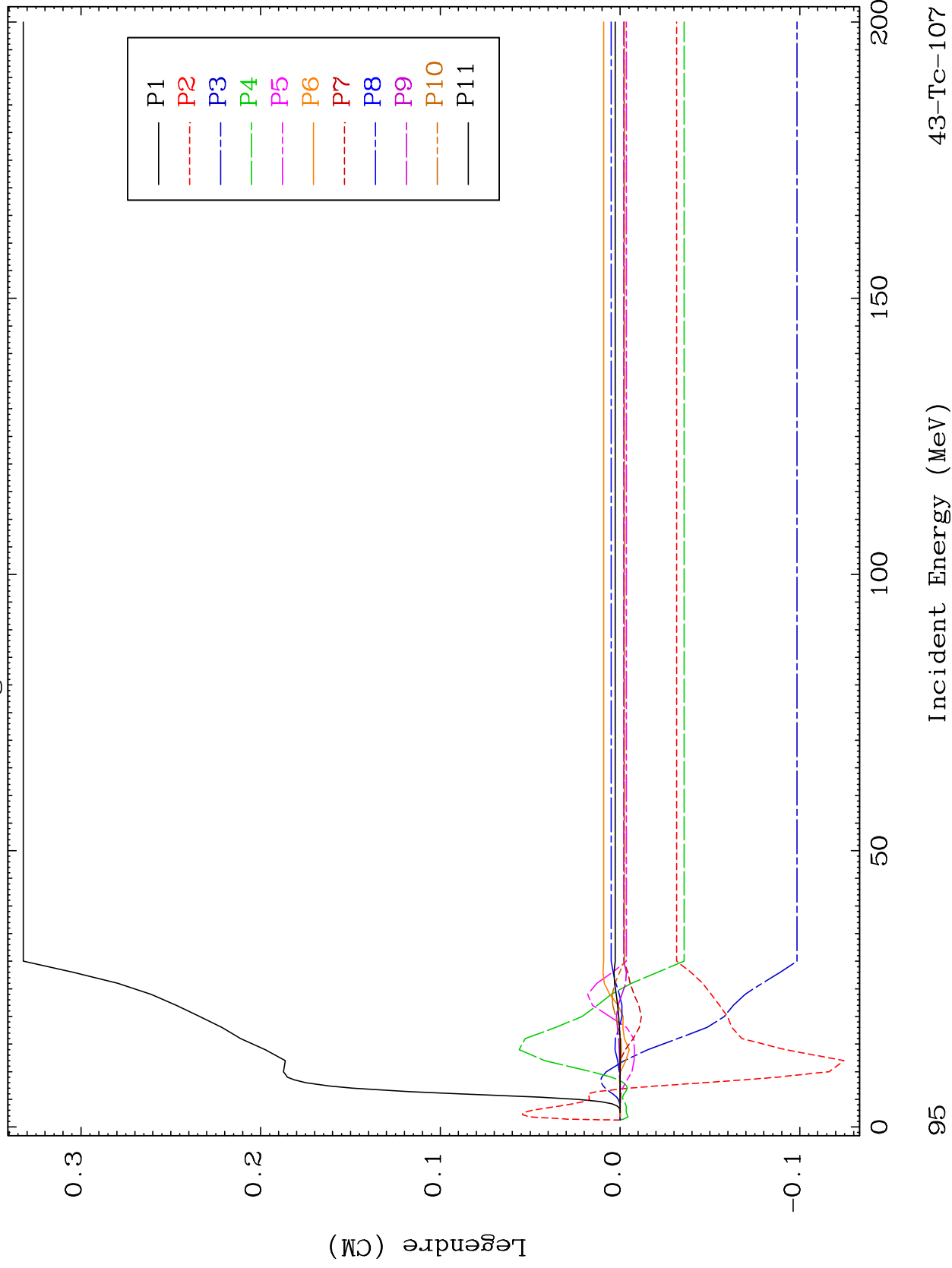
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

Incident Energy (MeV)

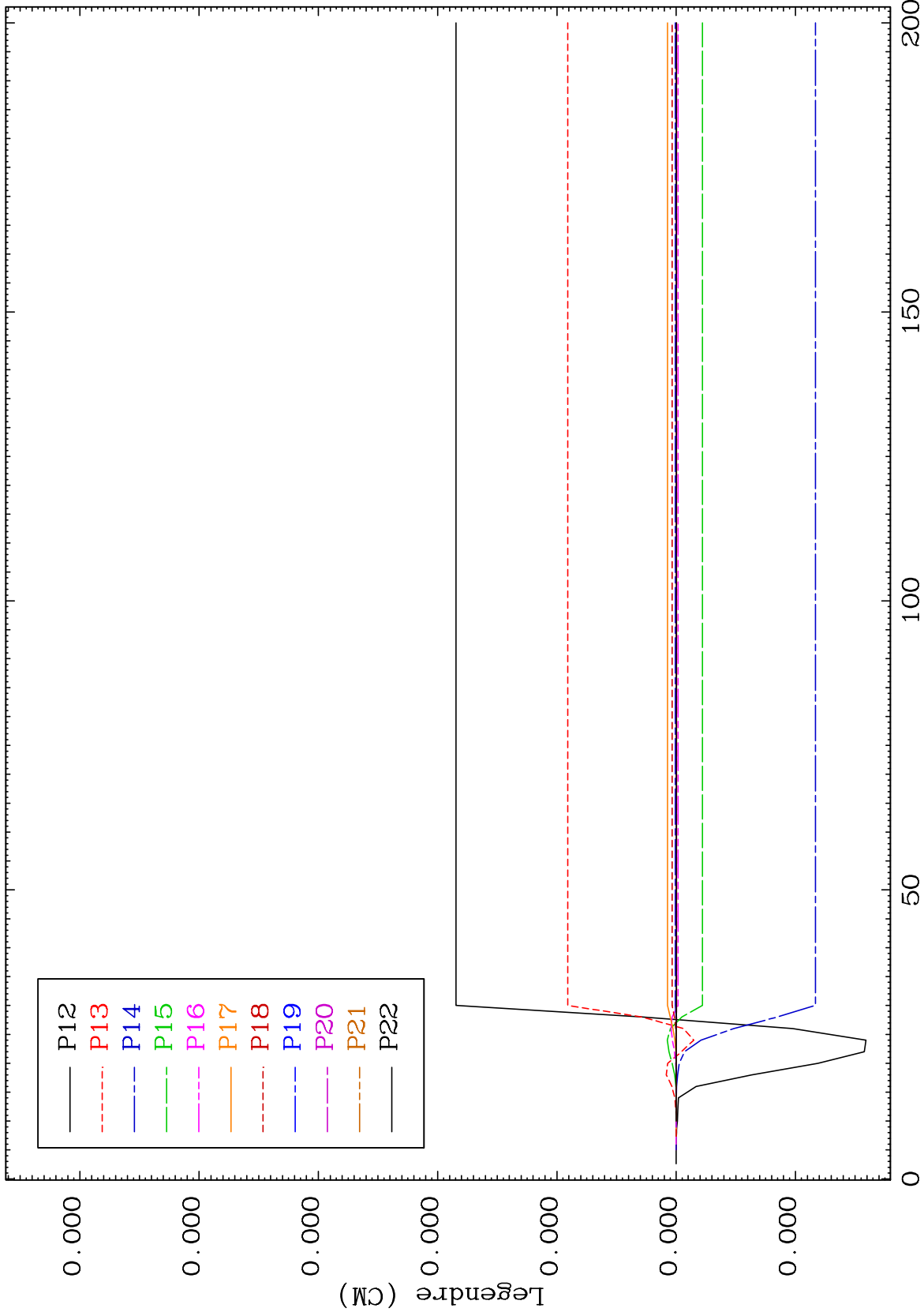
95



MAT 4349

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

43-Tc-107



96

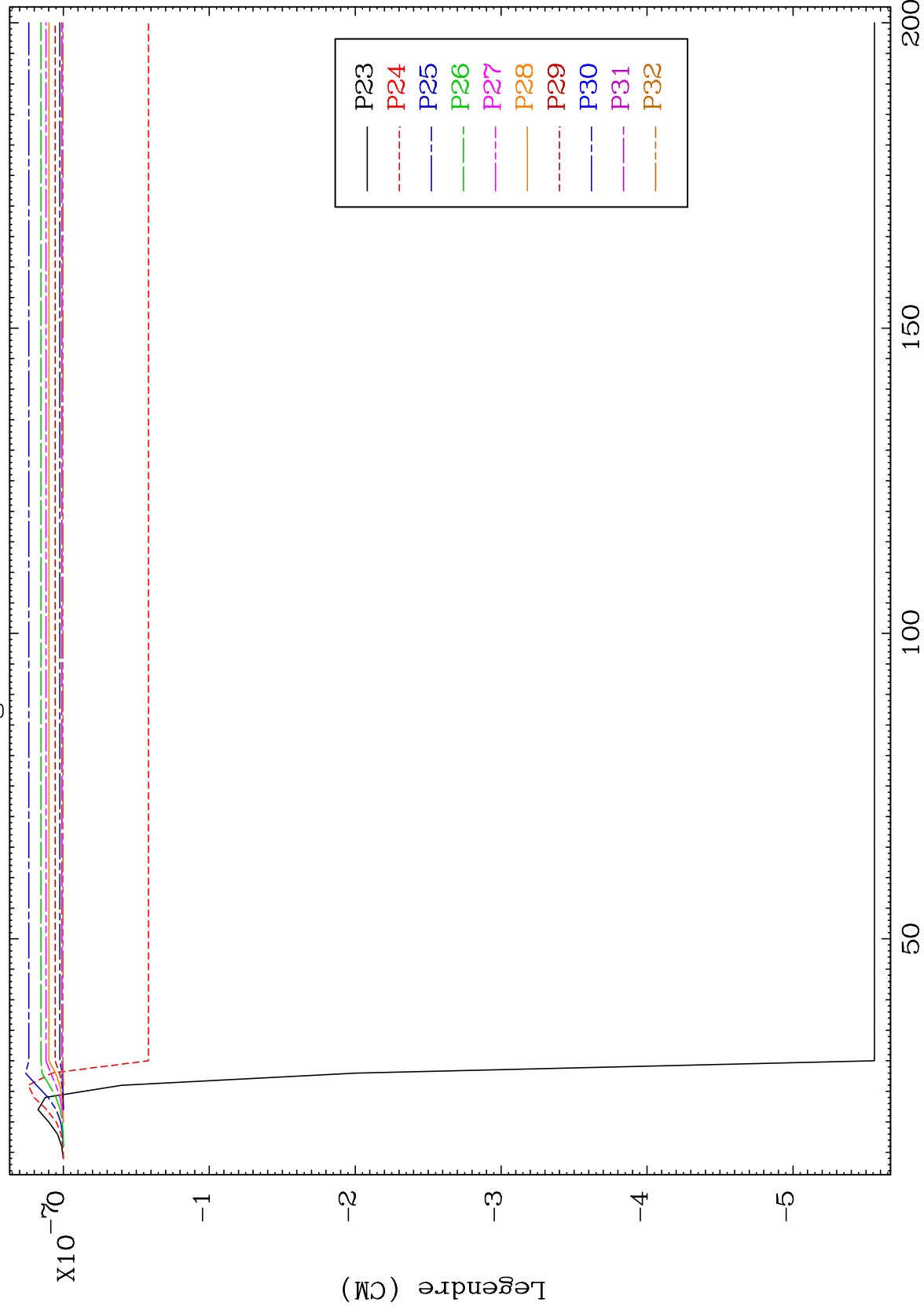
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



97

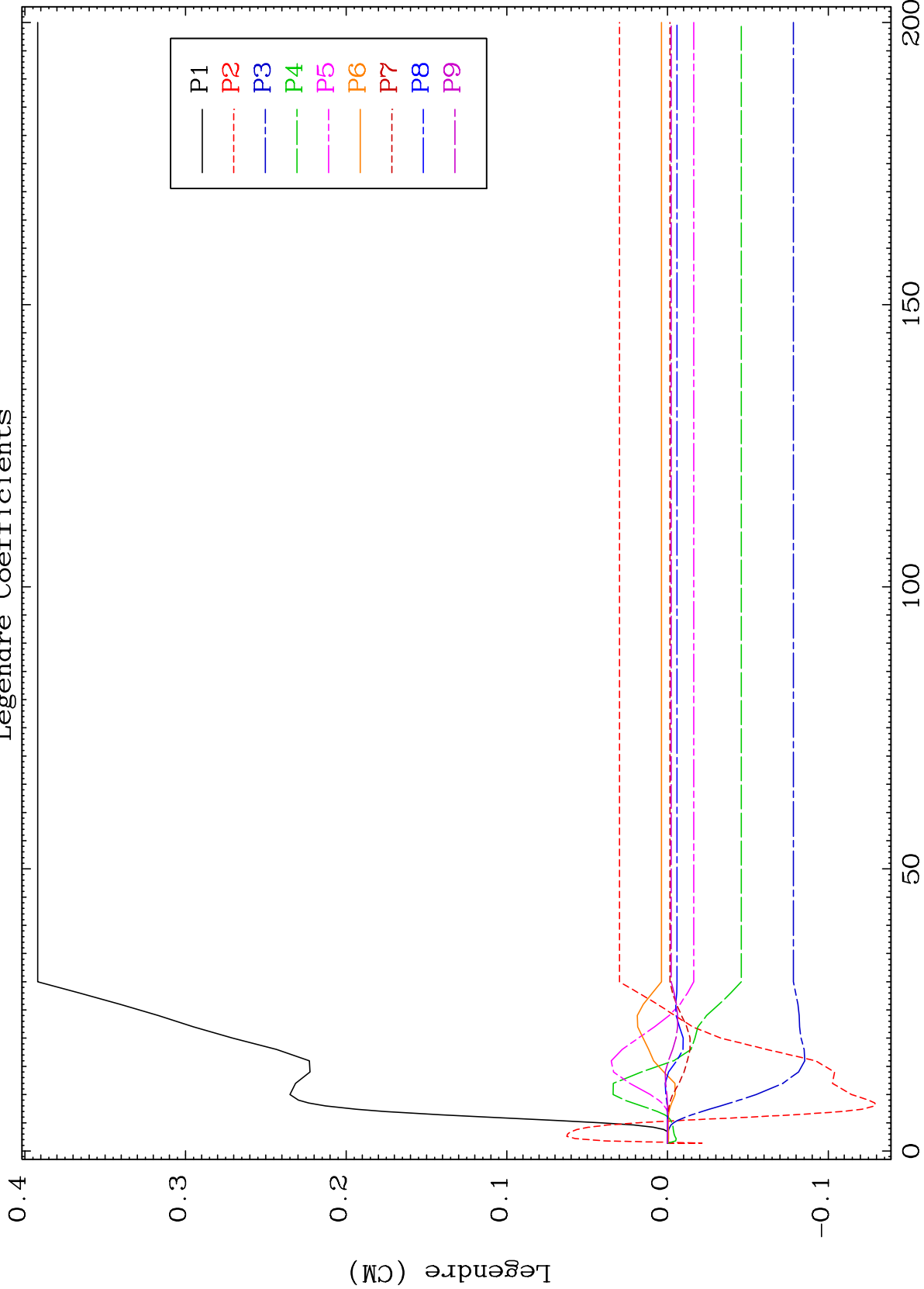
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



98

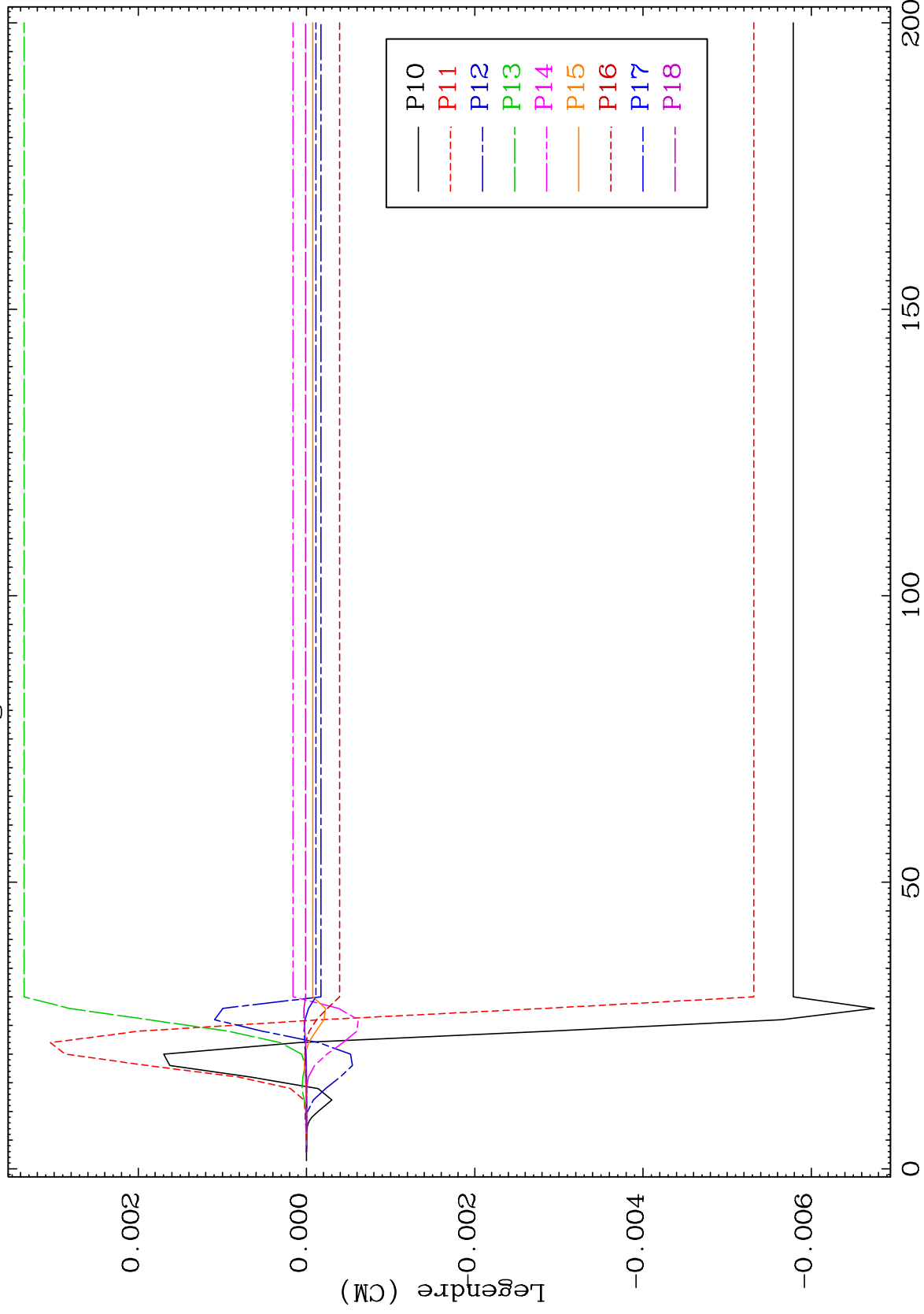
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



99

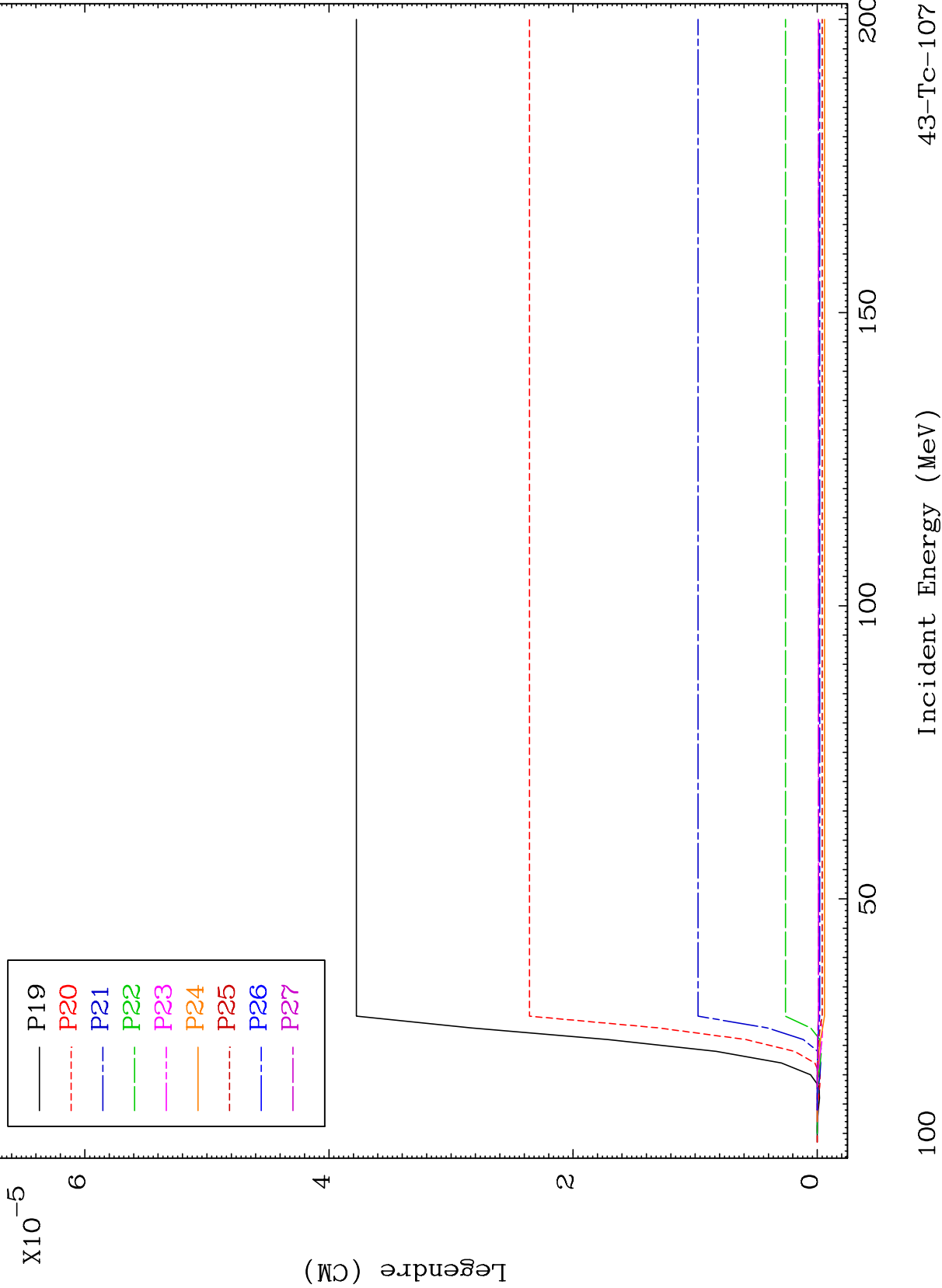
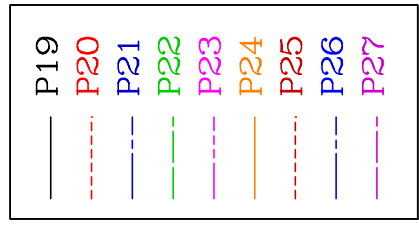
Incident Energy (MeV)

43-Tc-107

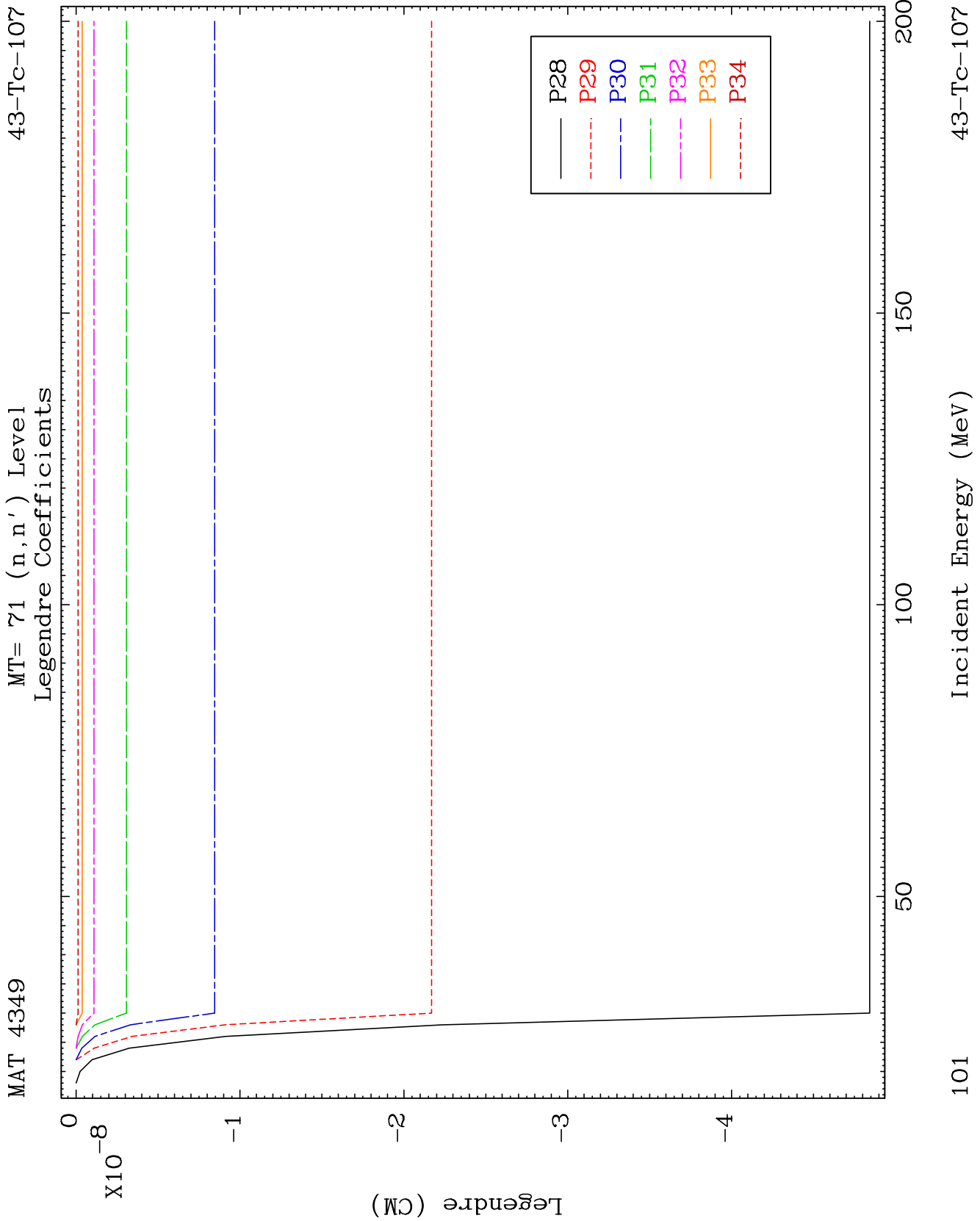
MAT 4349

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

43-Tc-107



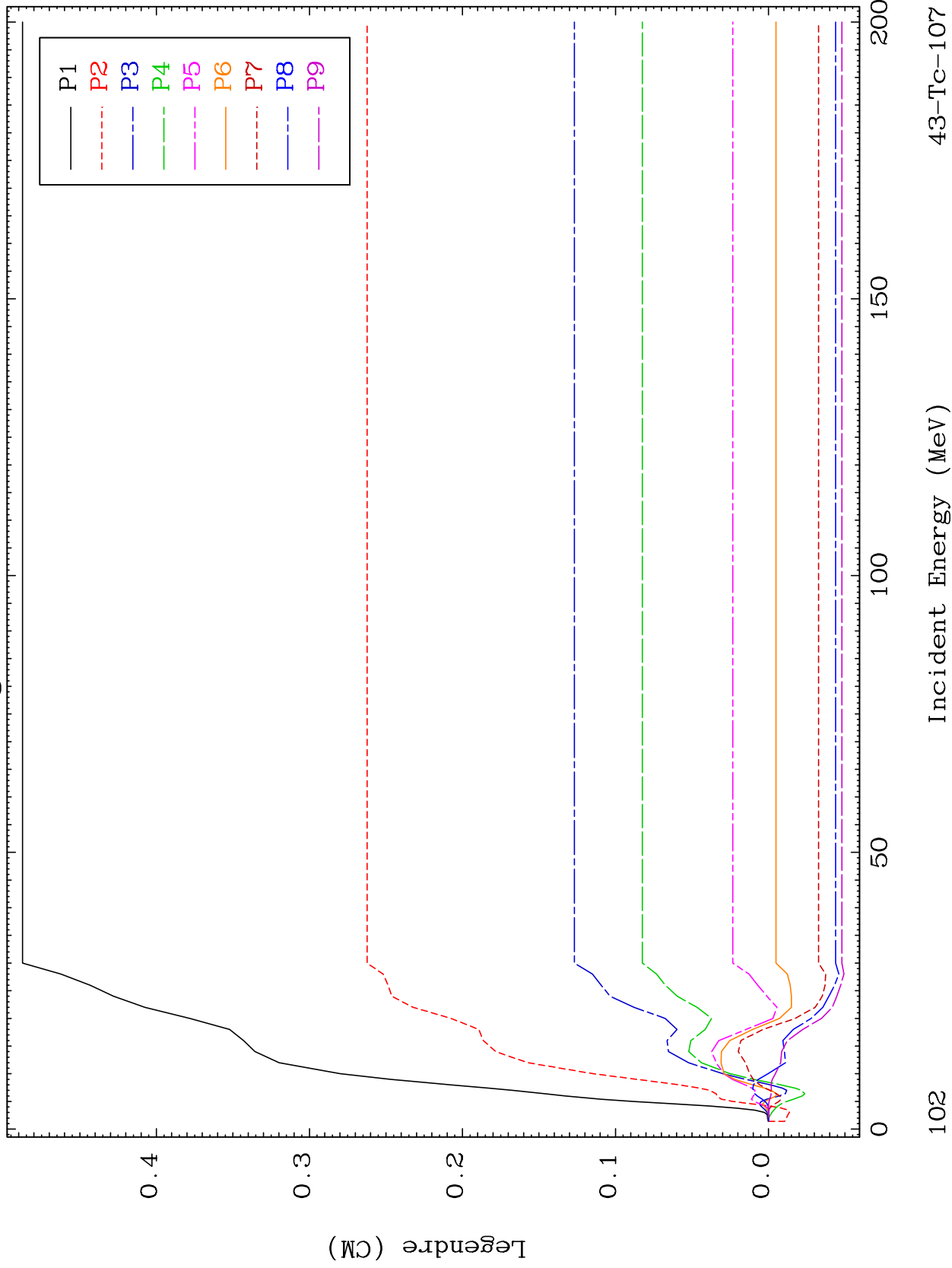
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

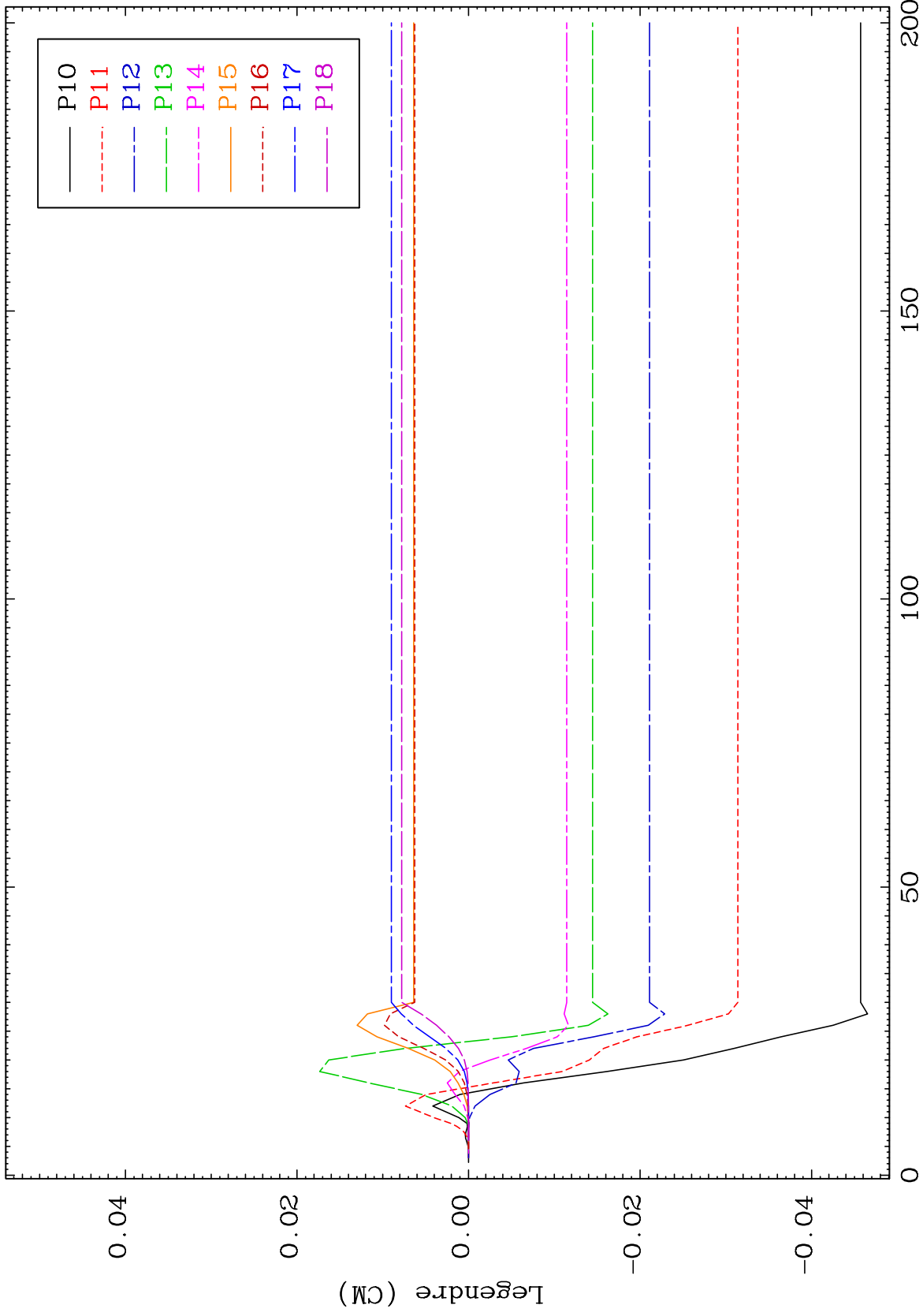
Incident Energy (MeV)

102

MAT 4349

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

43-Tc-107



103

Incident Energy (MeV)

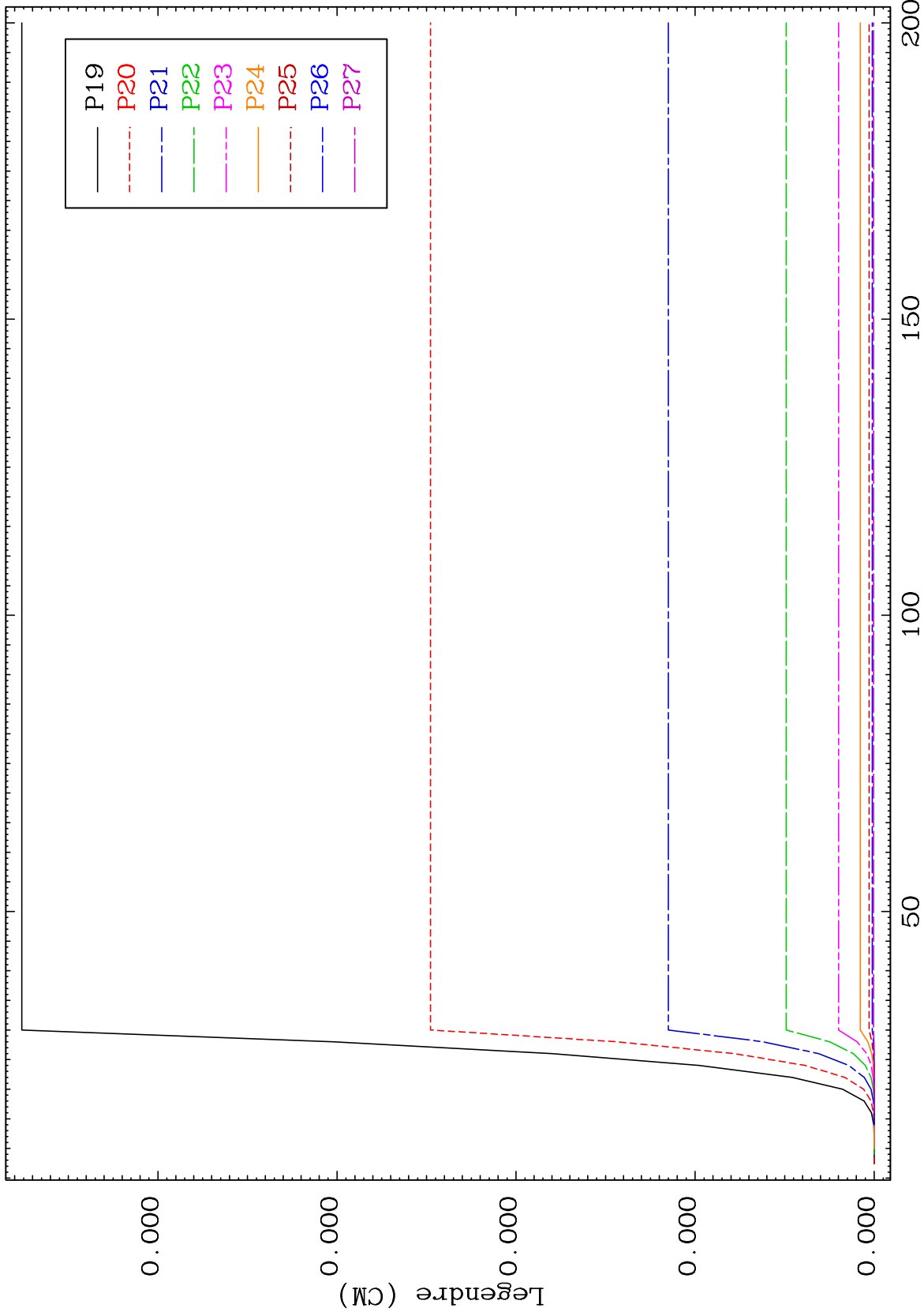
43-Tc-107



MAT 4349

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

43-Tc-107



104

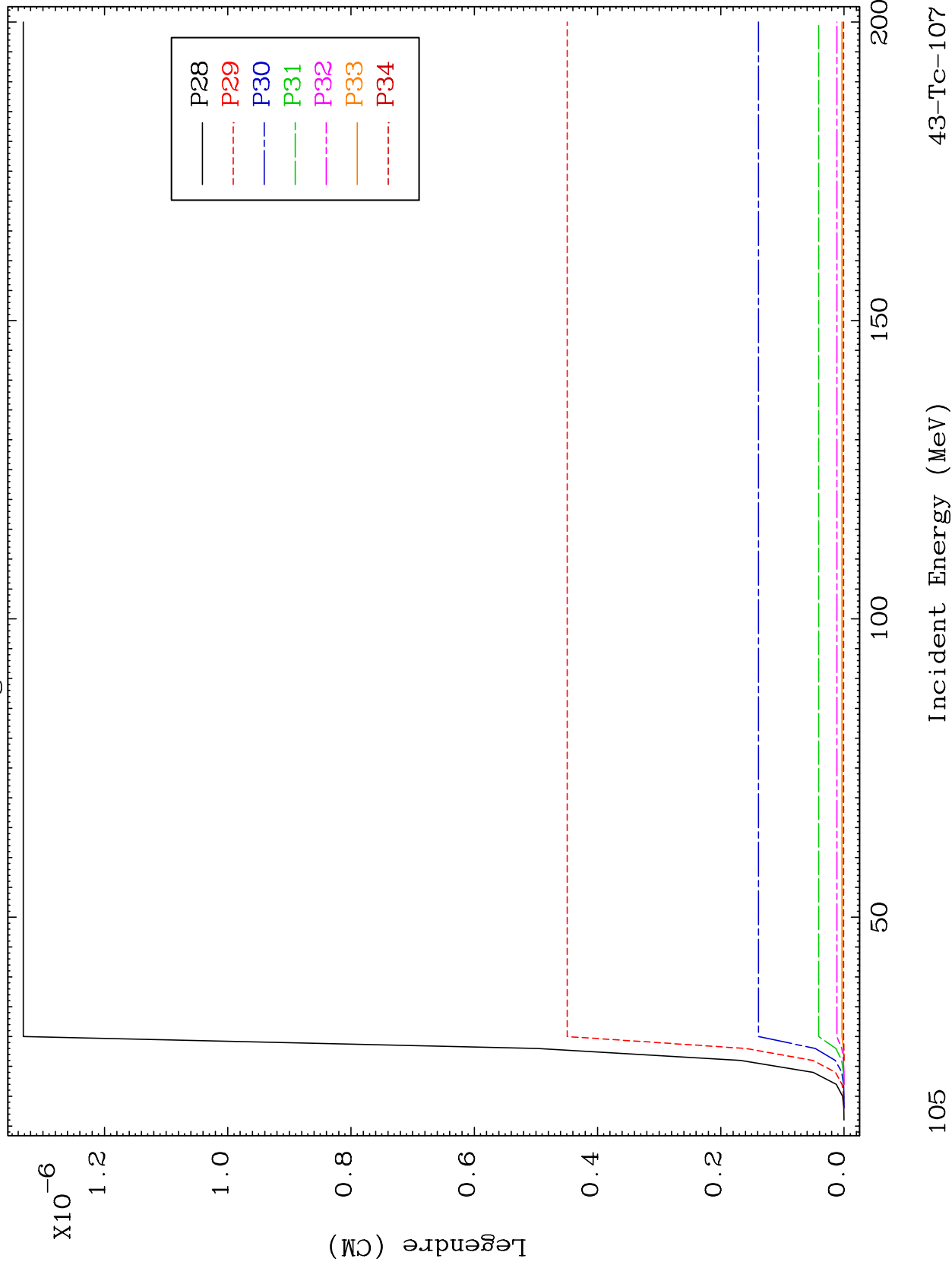
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

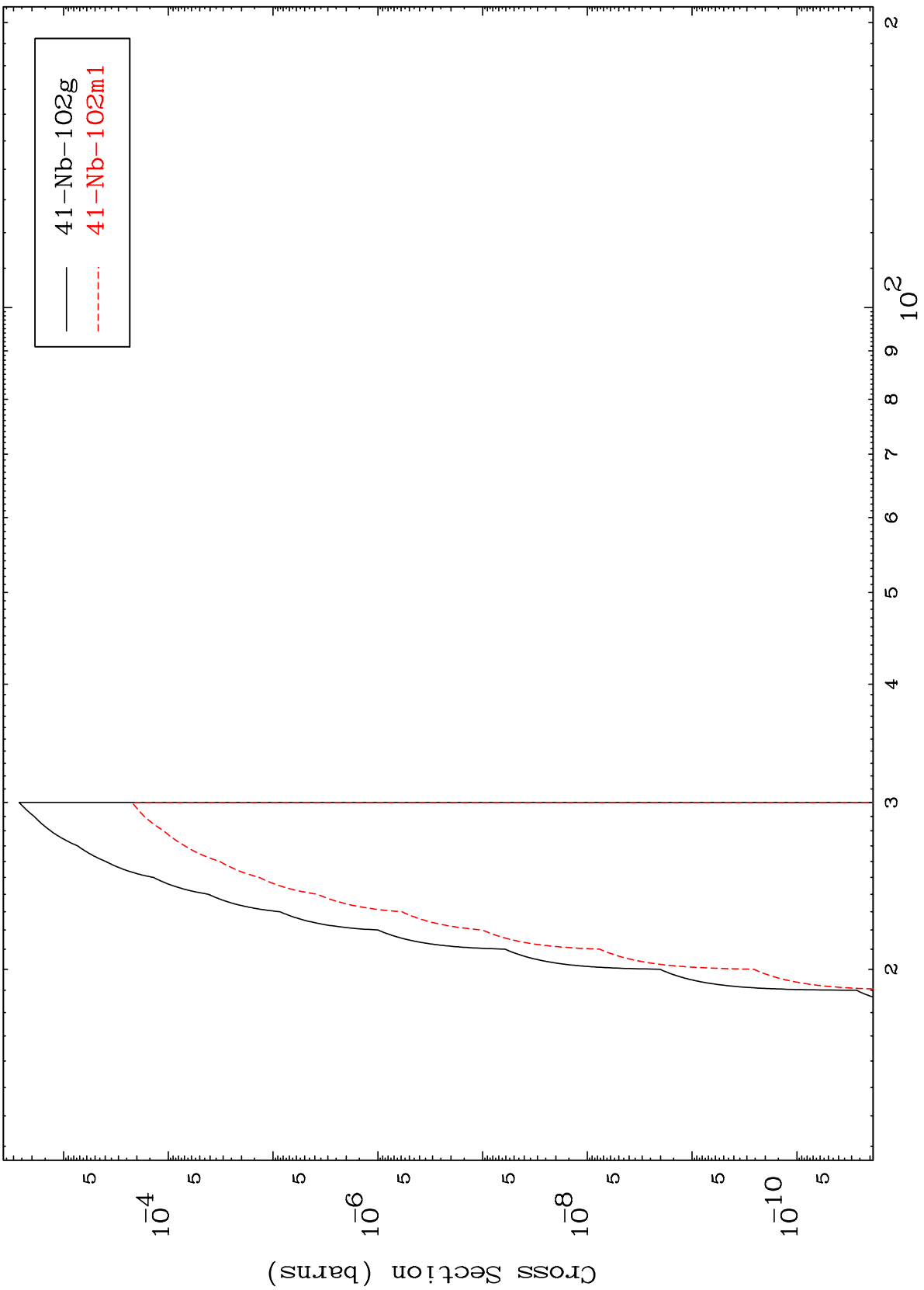


MAT 4349

(n,2n)  $\alpha$

43-Tc-107

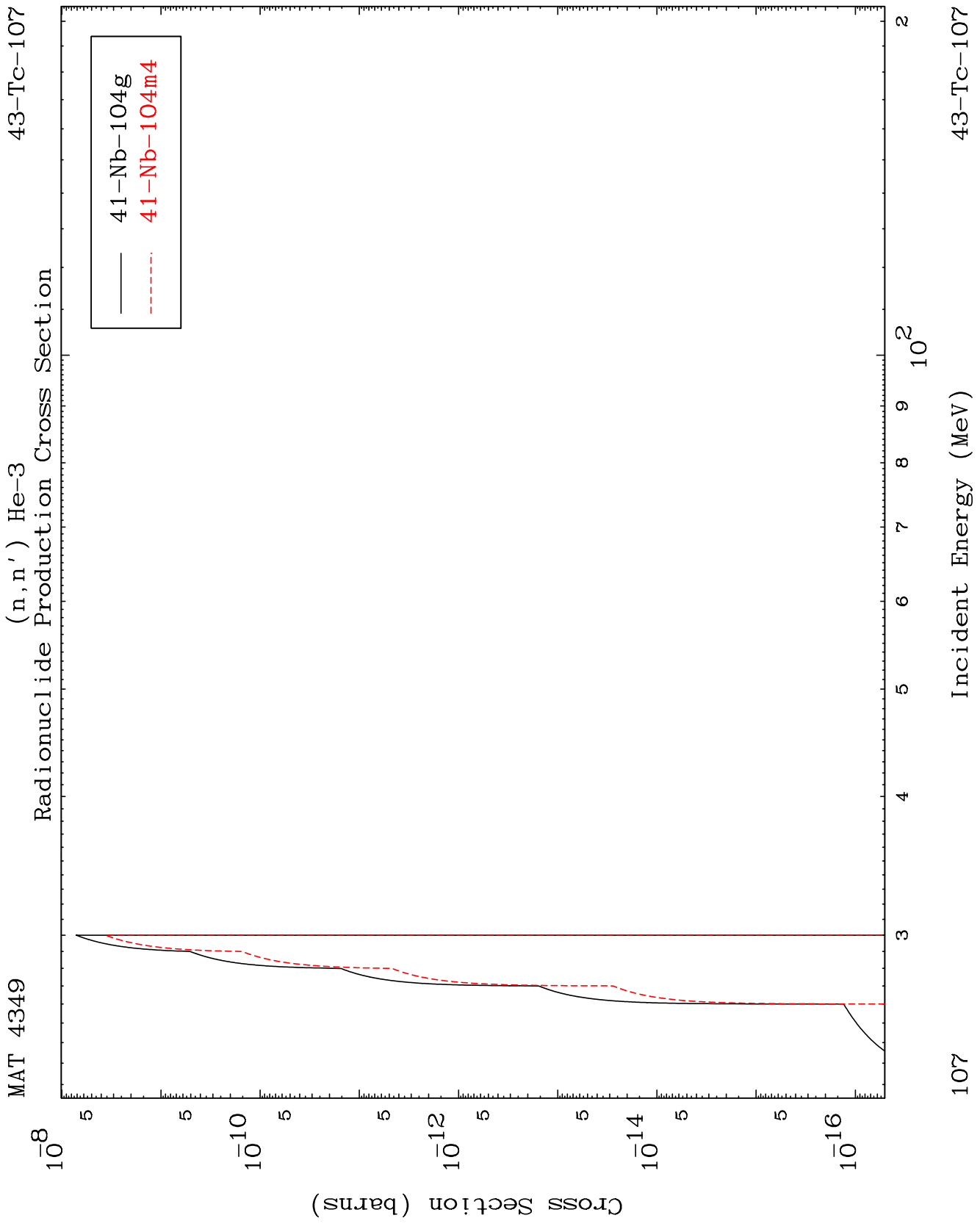
Radionuclide Production Cross Section



106

Incident Energy (MeV)

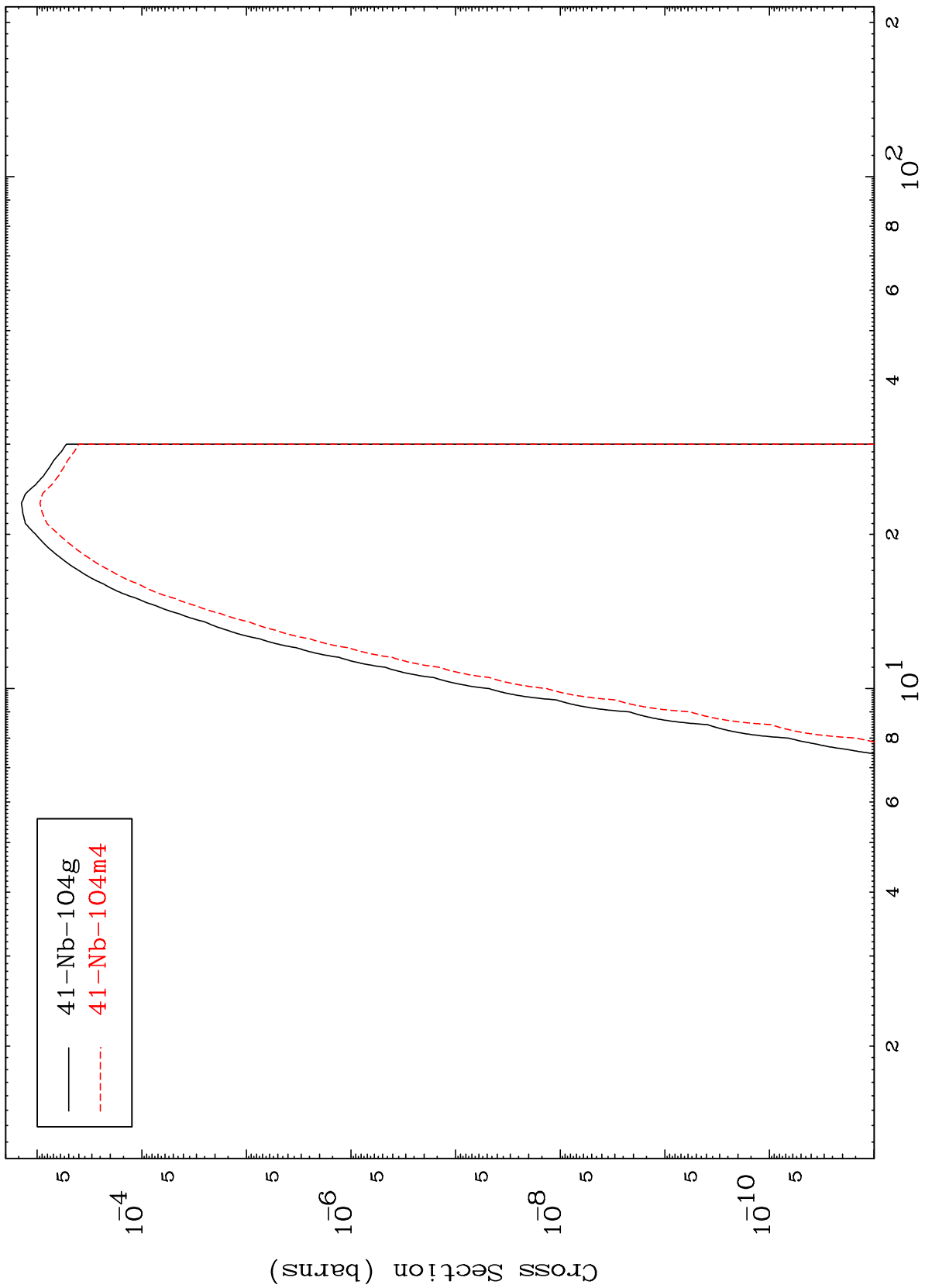
43-Tc-107



MAT 4349

43-Tc-107

Radionuclide Production Cross Section



108

43-Tc-107