

Program EVALPLOT
(Version 2021-1)

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

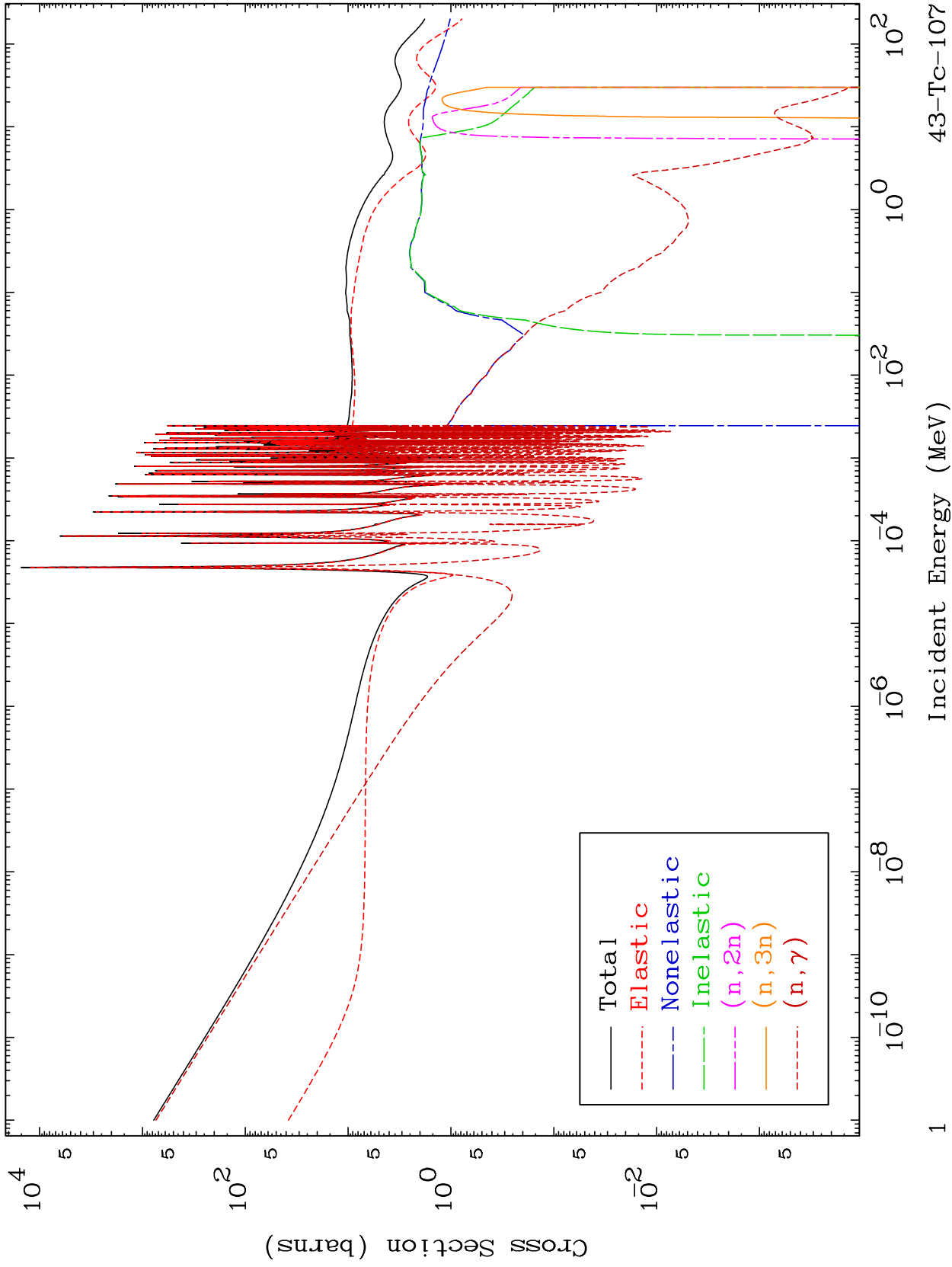
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4349

Neutron Major
293 Kelvin Cross Sections

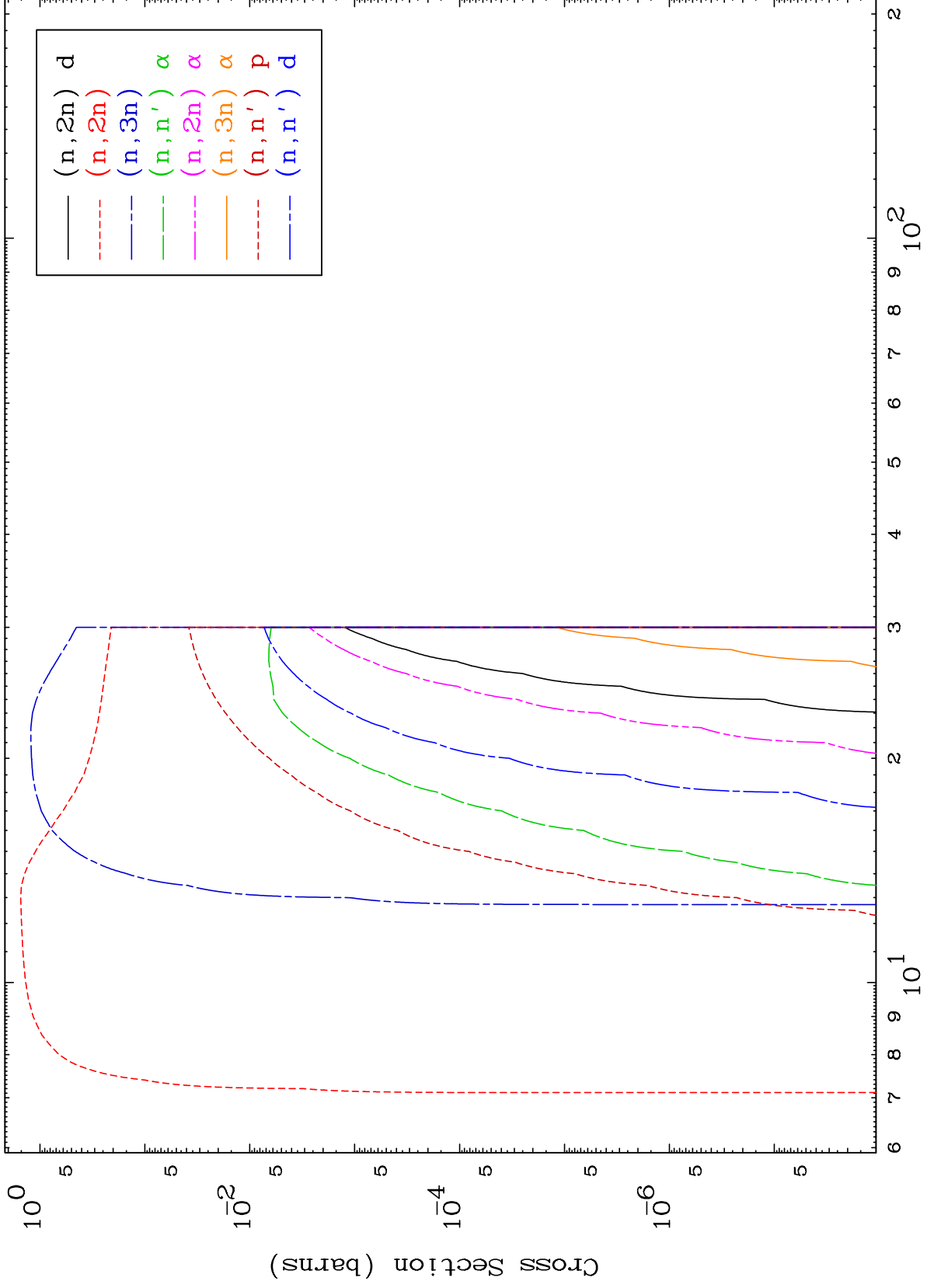
43-Tc-107



MAT 4349

Neutron Absorption
293 Kelvin Cross Sections

43-Tc-107



2

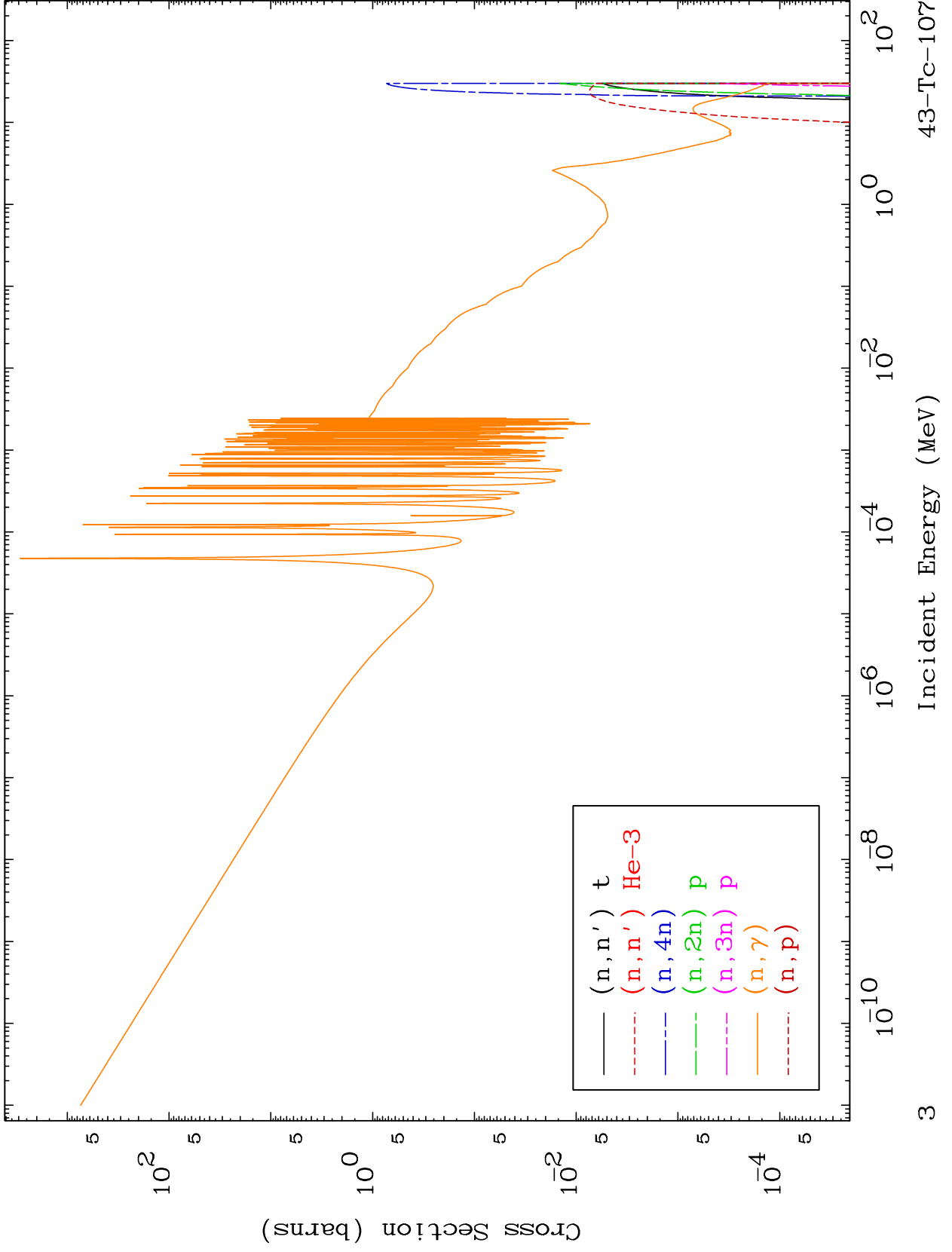
Incident Energy (MeV)

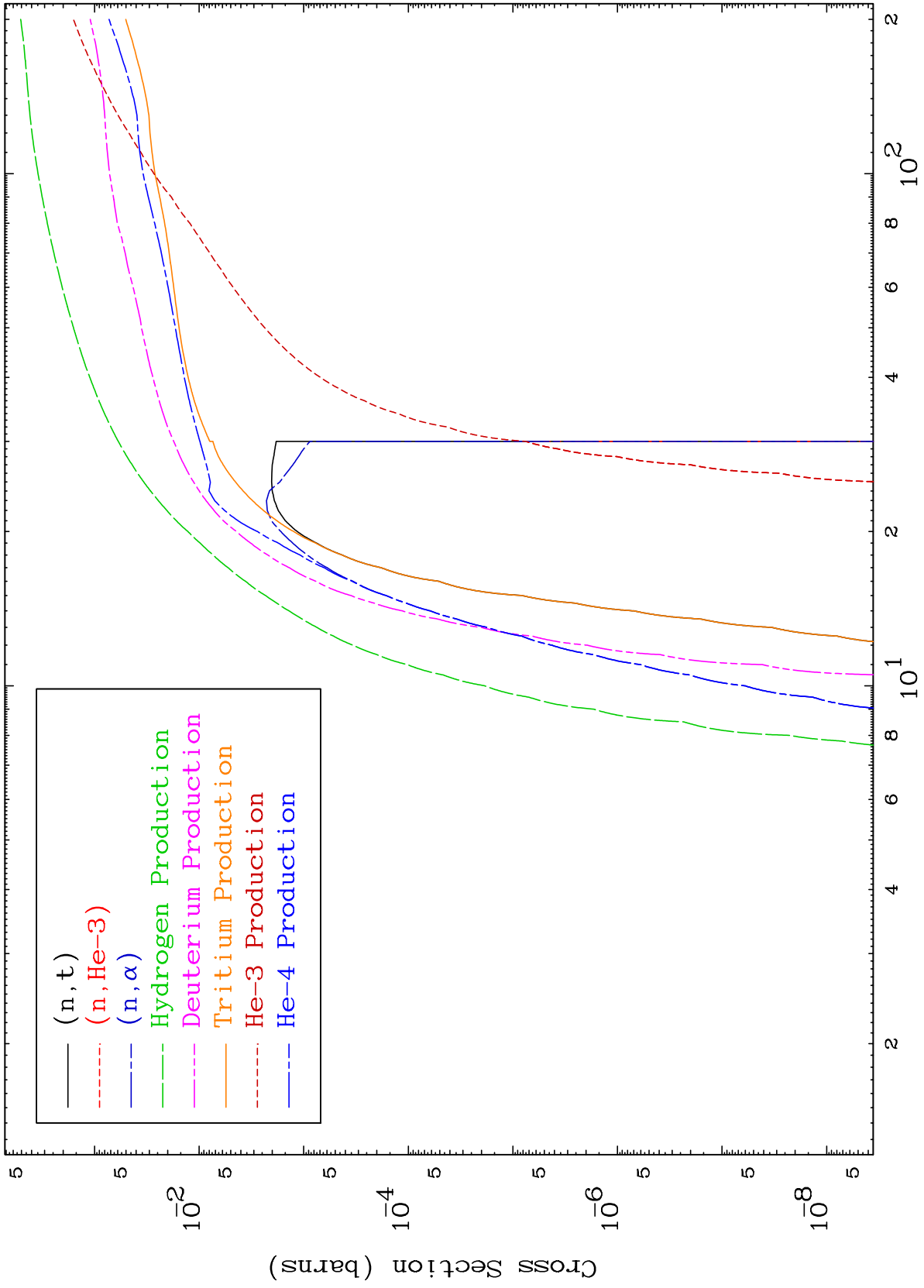
43-Tc-107

MAT 4349

Neutron Absorption
293 Kelvin Cross Sections

43-Tc-107

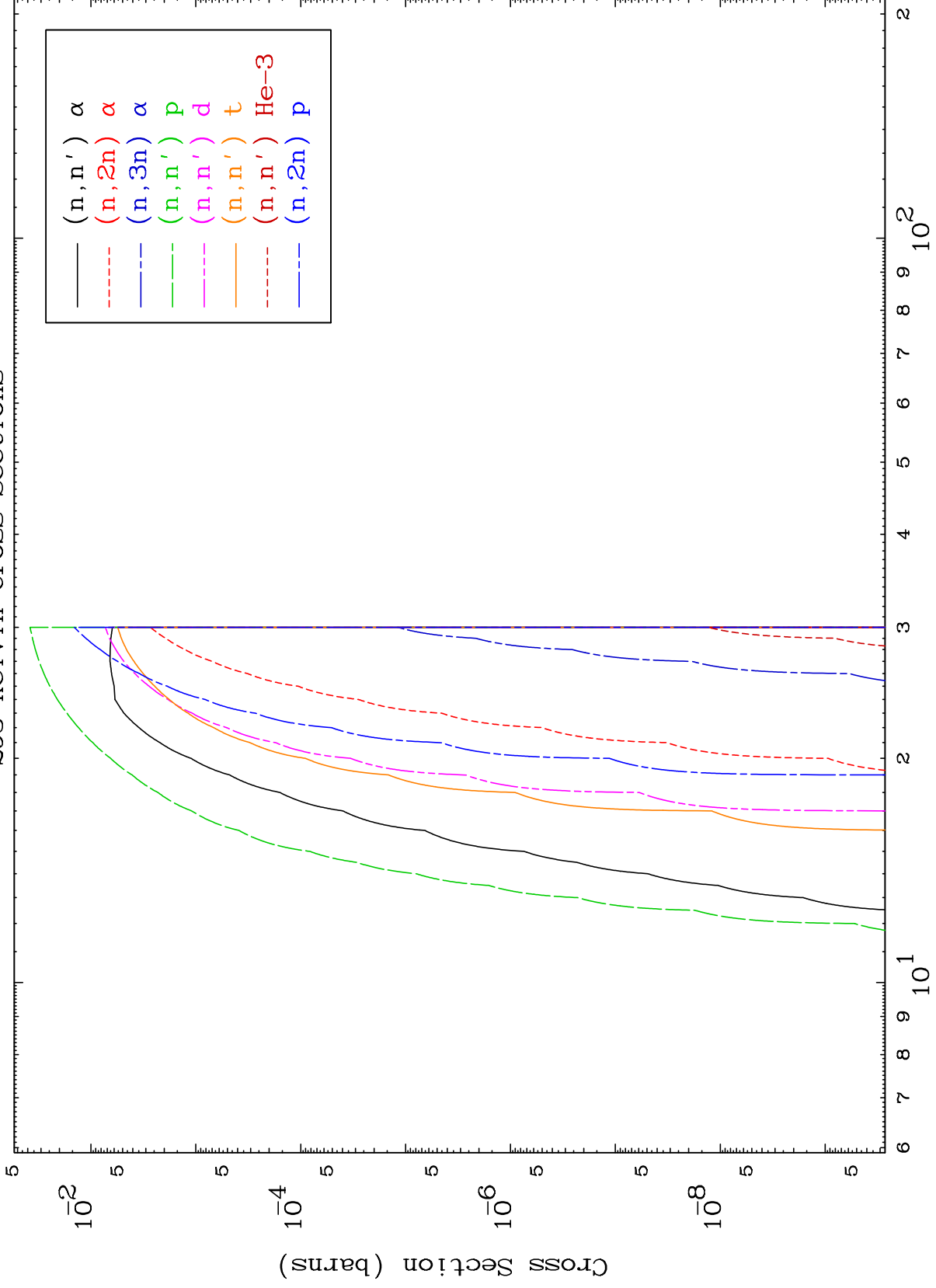




MAT 4349

Charged Particle
293 Kelvin Cross Sections

43-Tc-107



5

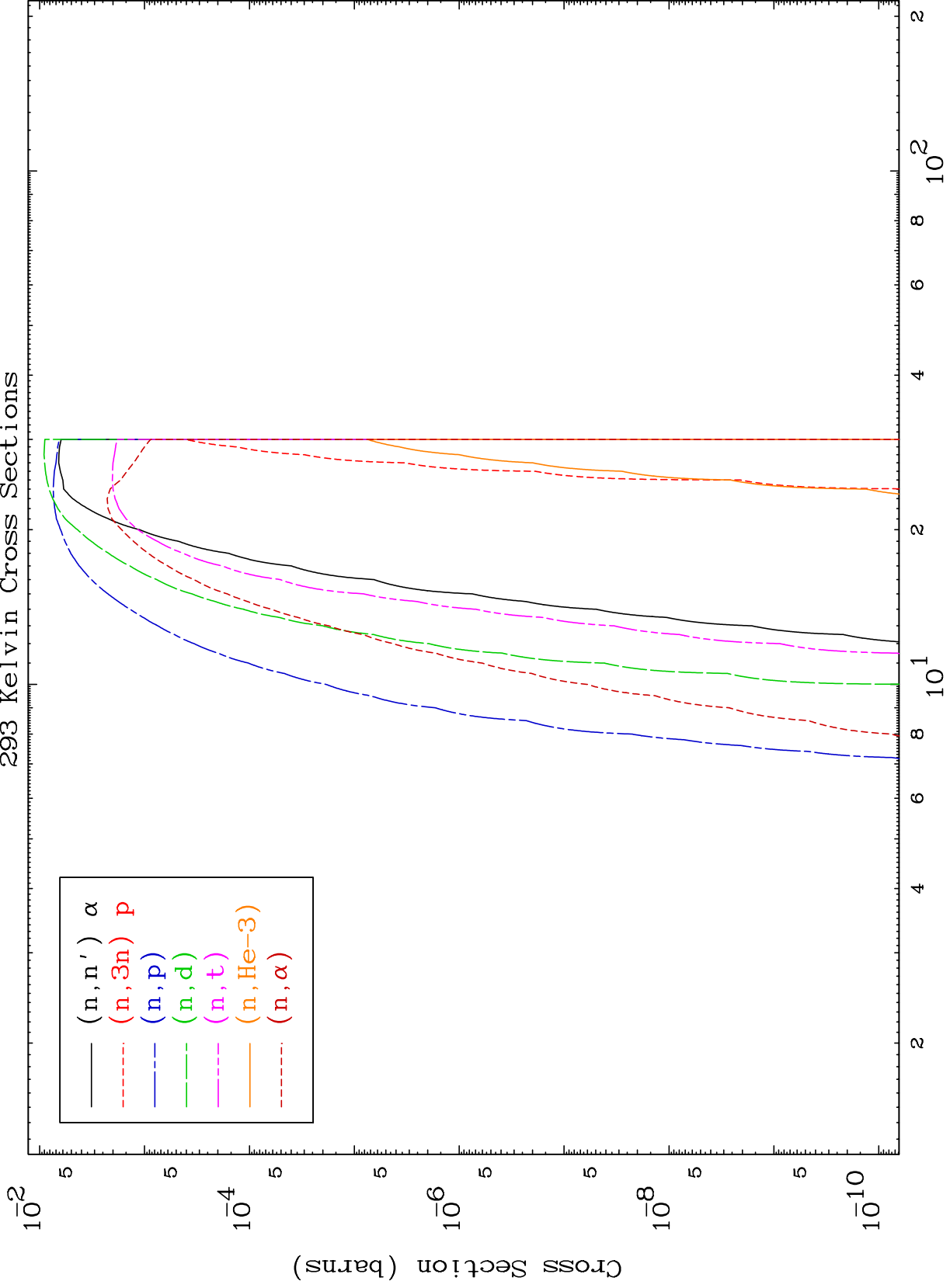
Incident Energy (MeV)

43-Tc-107

MAT 4349

Charged Particle
293 Kelvin Cross Sections

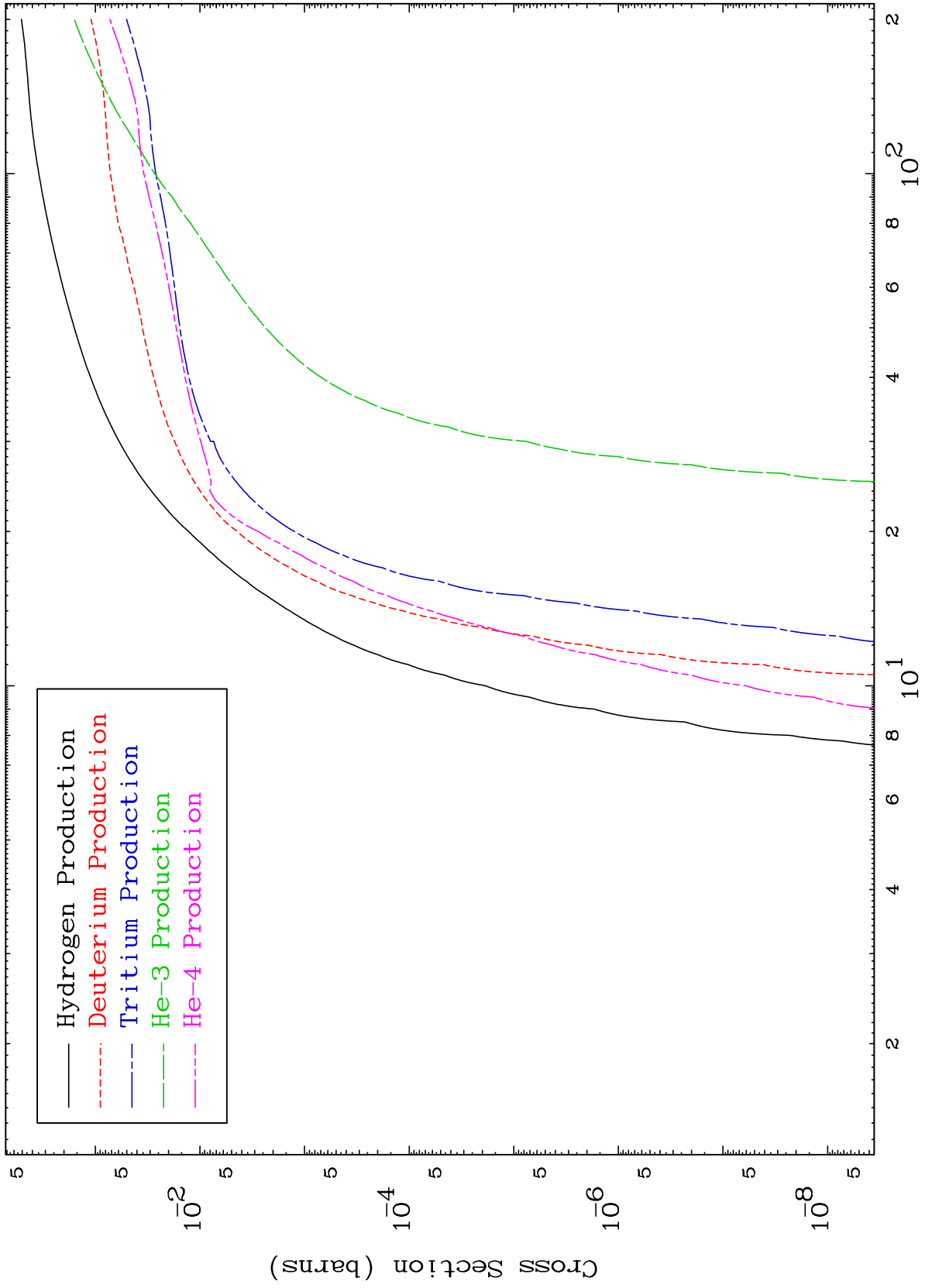
43-Tc-107



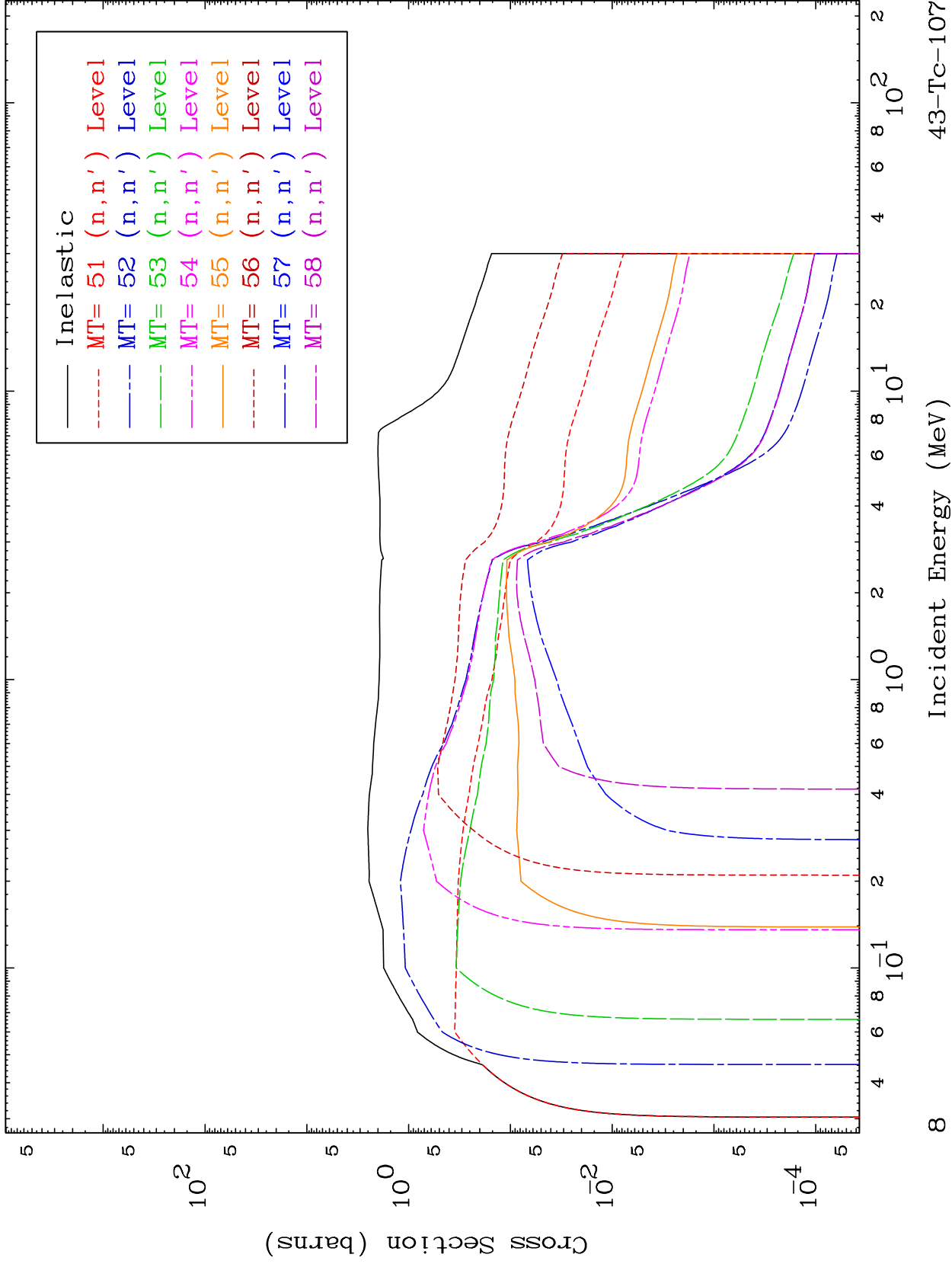
6

Incident Energy (MeV)

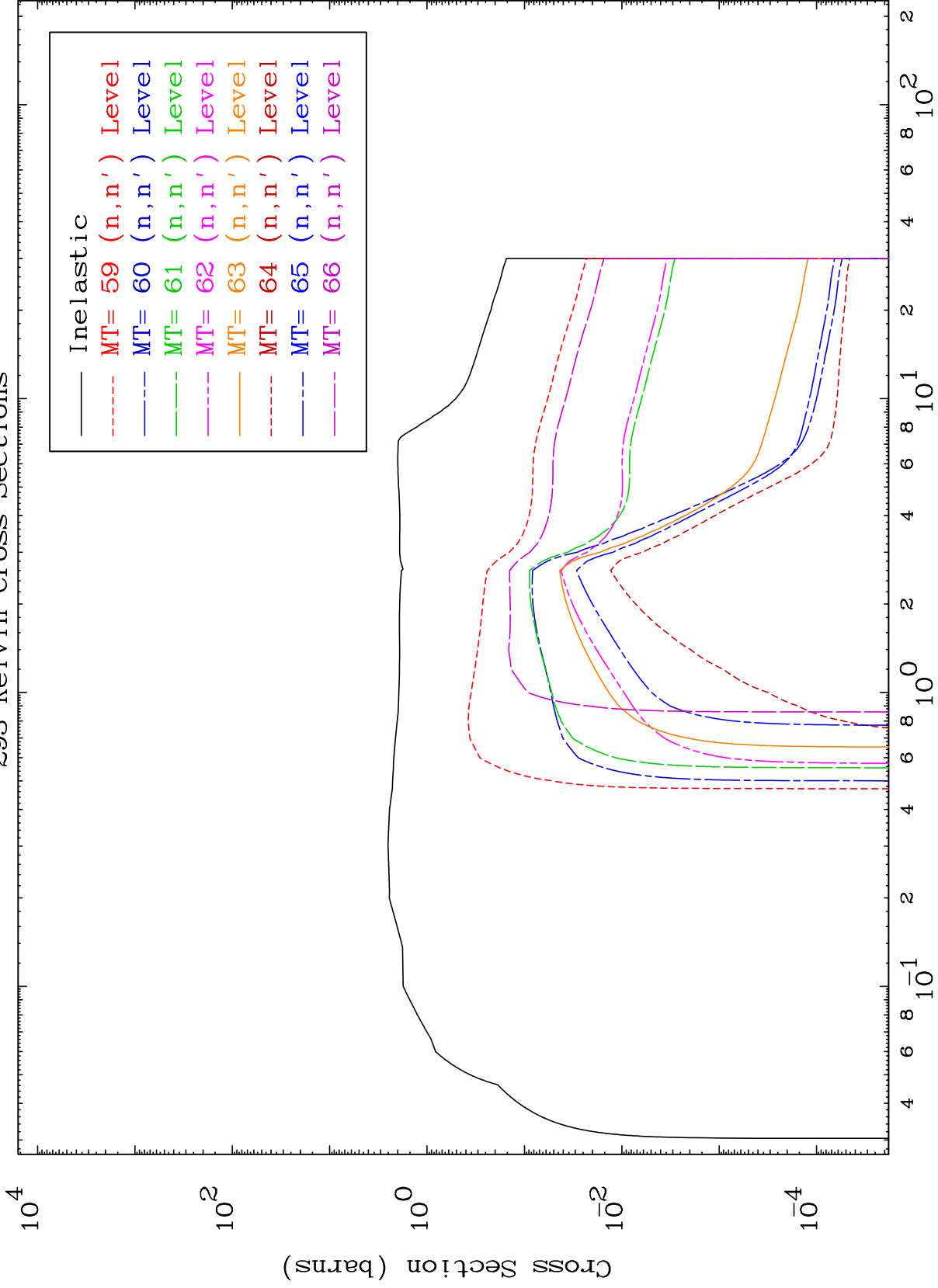
43-Tc-107



293 Kelvin Cross Sections



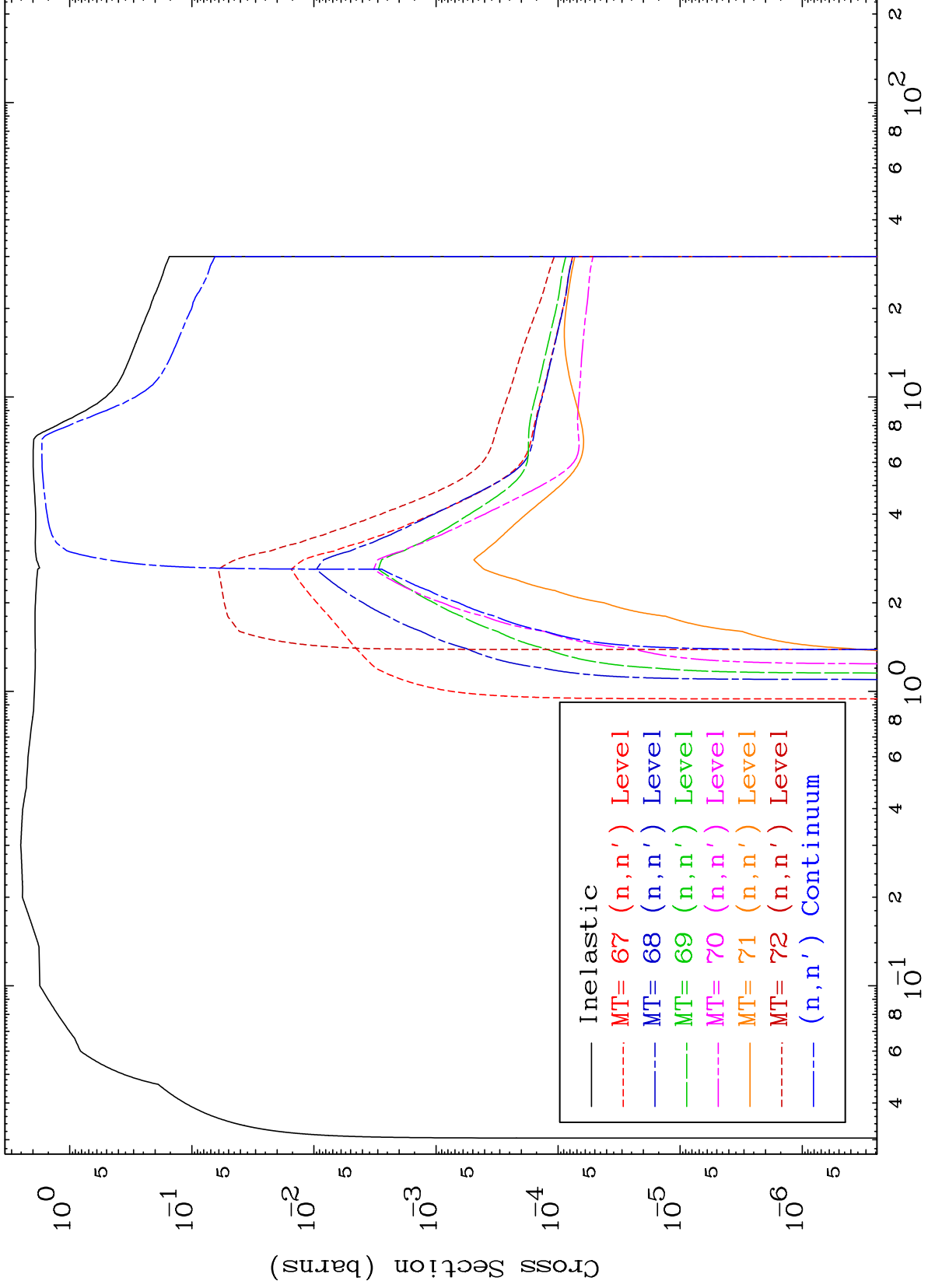
293 Kelvin Cross Sections



MAT 4349

(n,n') Levels
293 Kelvin Cross Sections

43-Tc-107



10

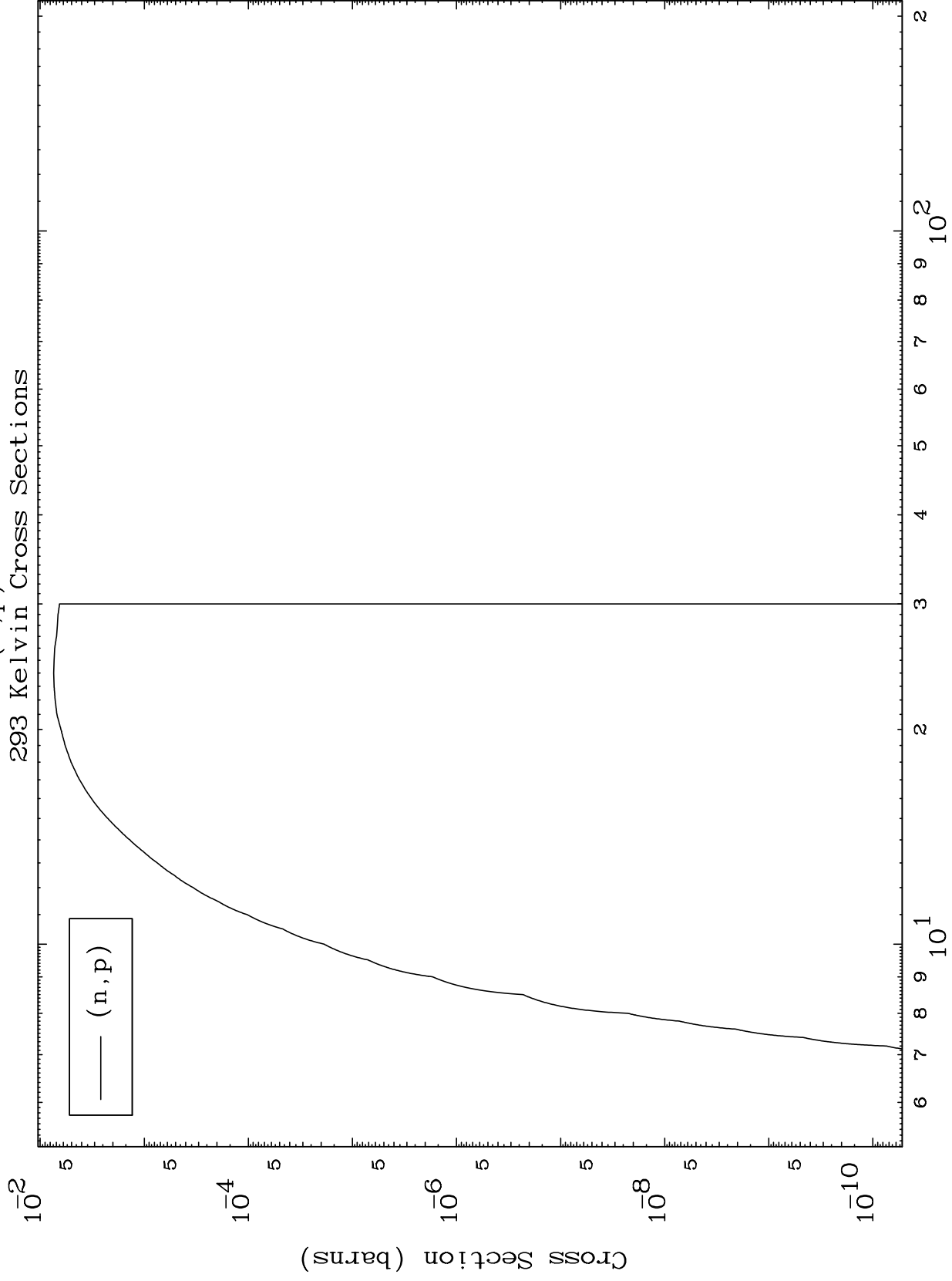
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,p) Levels
293 Kelvin Cross Sections

43-Tc-107



11

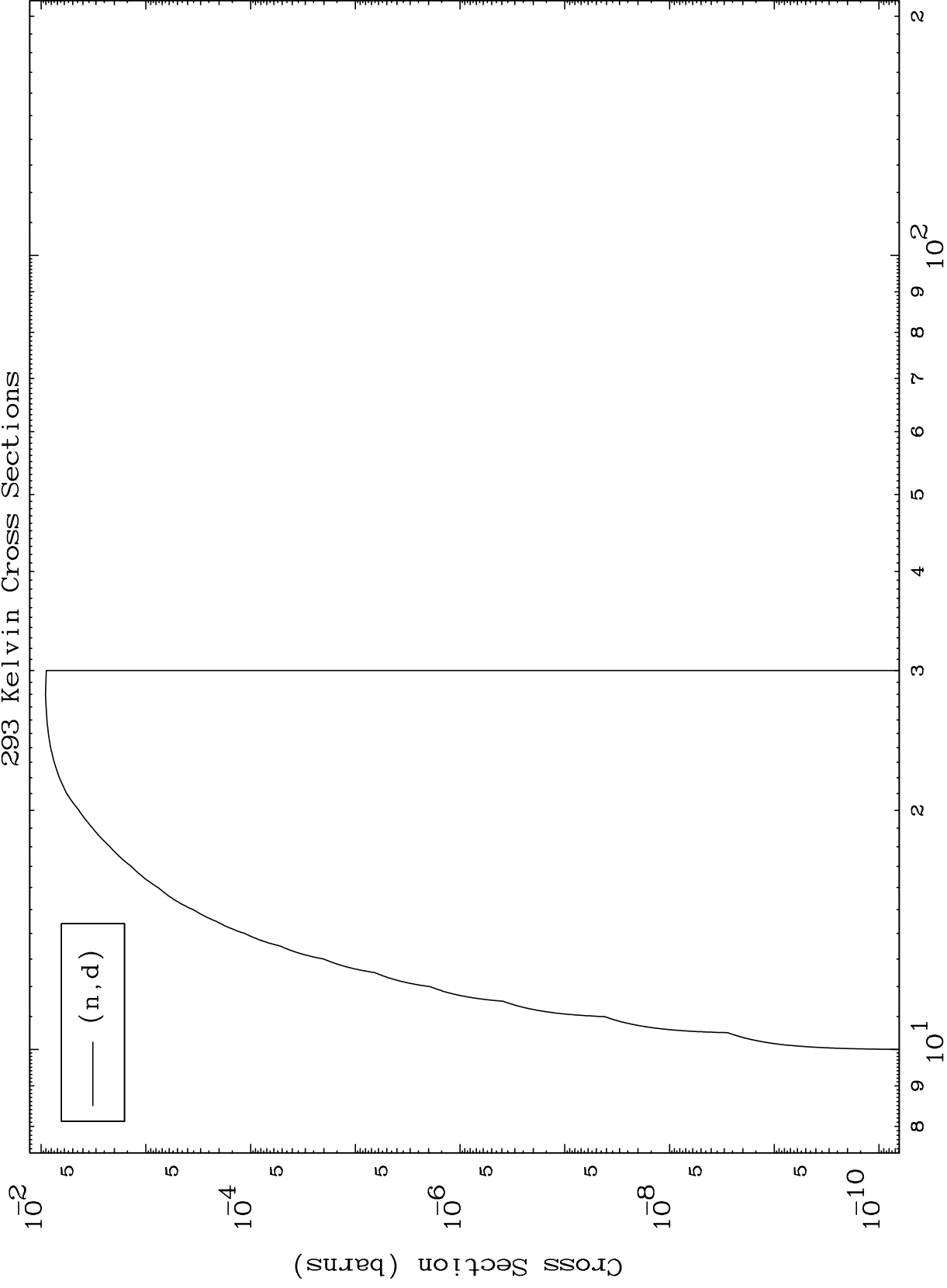
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-107



12

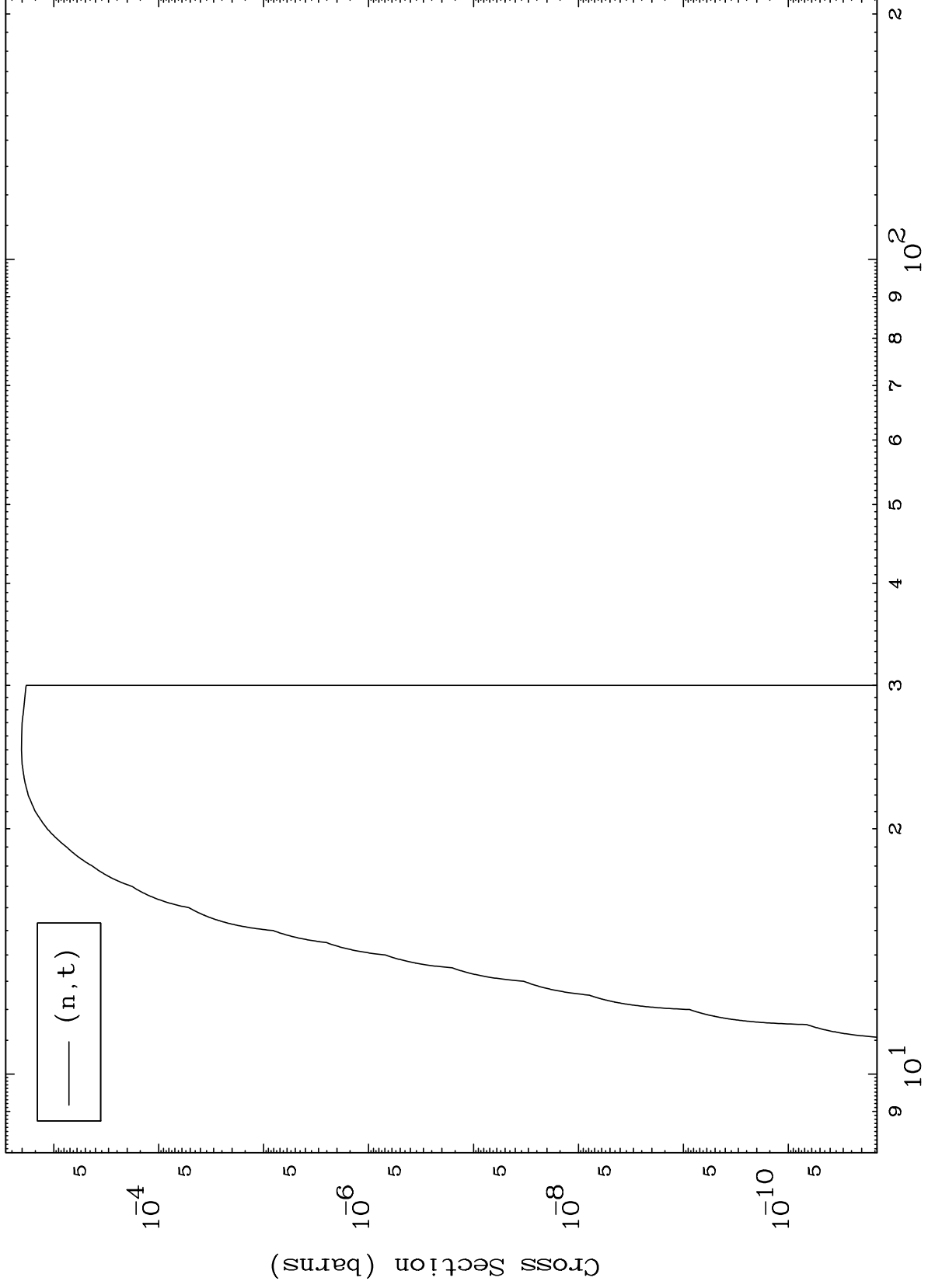
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-107



13

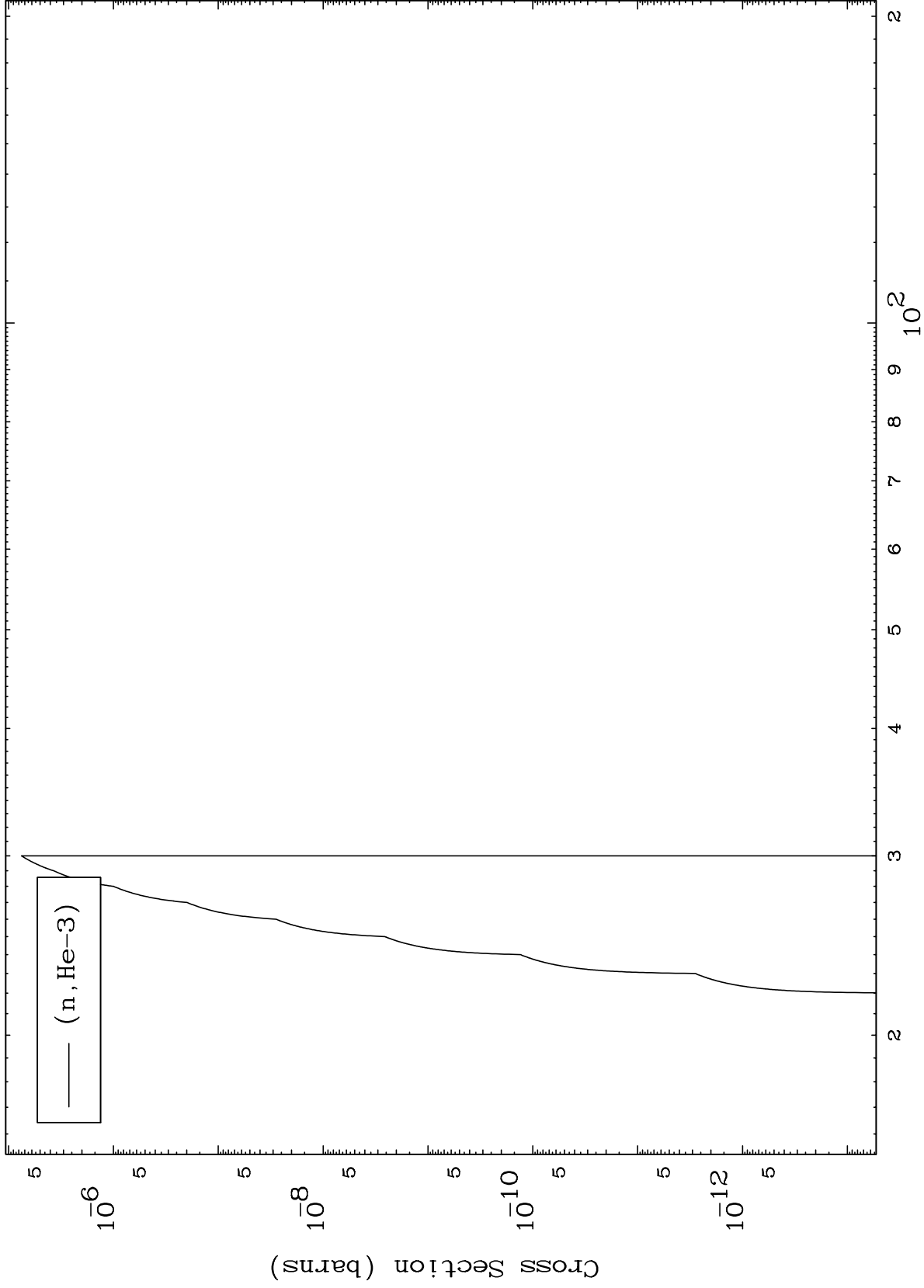
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-107



14

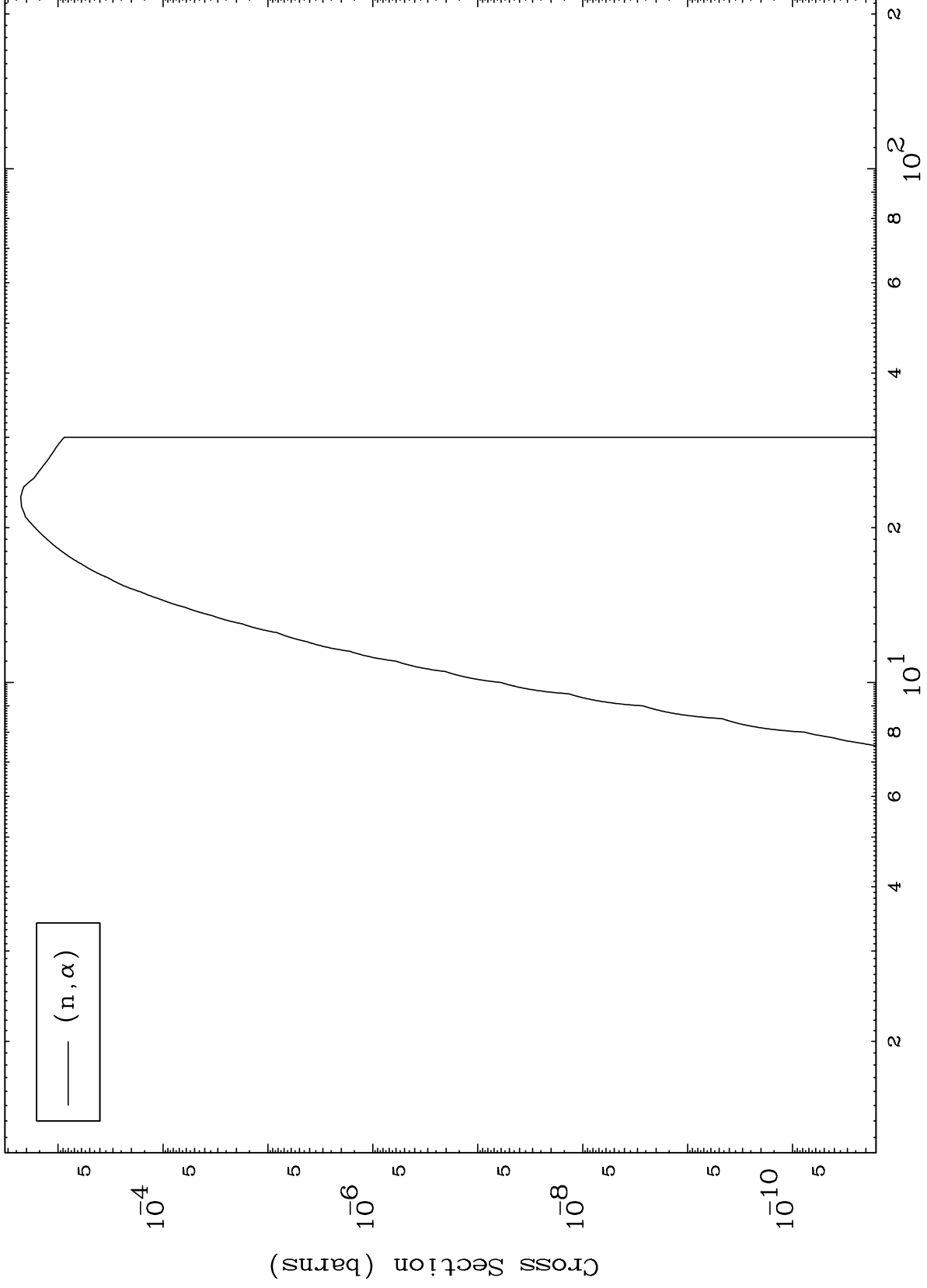
Incident Energy (MeV)

43-Tc-107

MAT 4349

(n, α) Levels
293 Kelvin Cross Sections

43-Tc-107



15

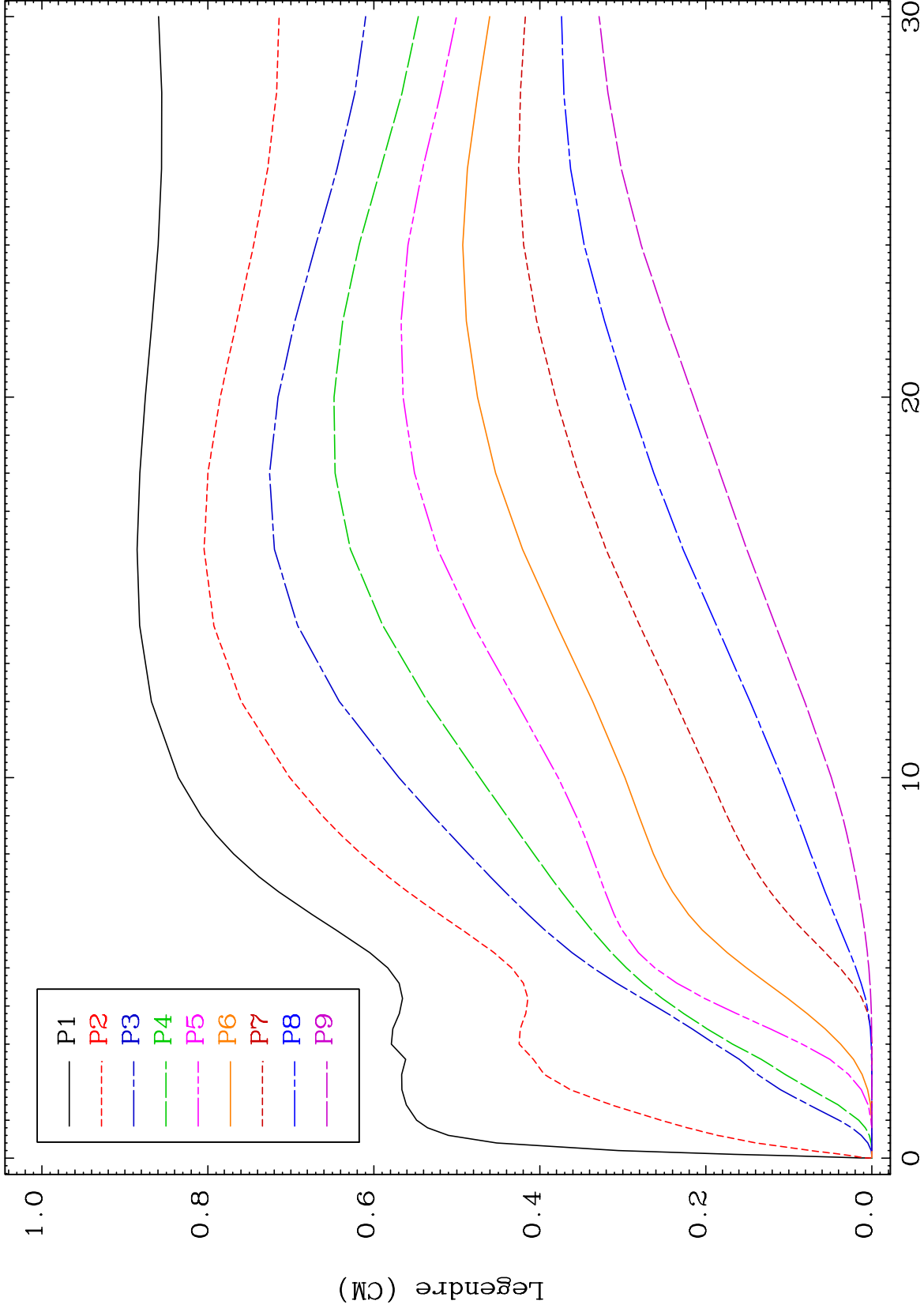
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic Legendre Coefficients

43-Tc-107



16

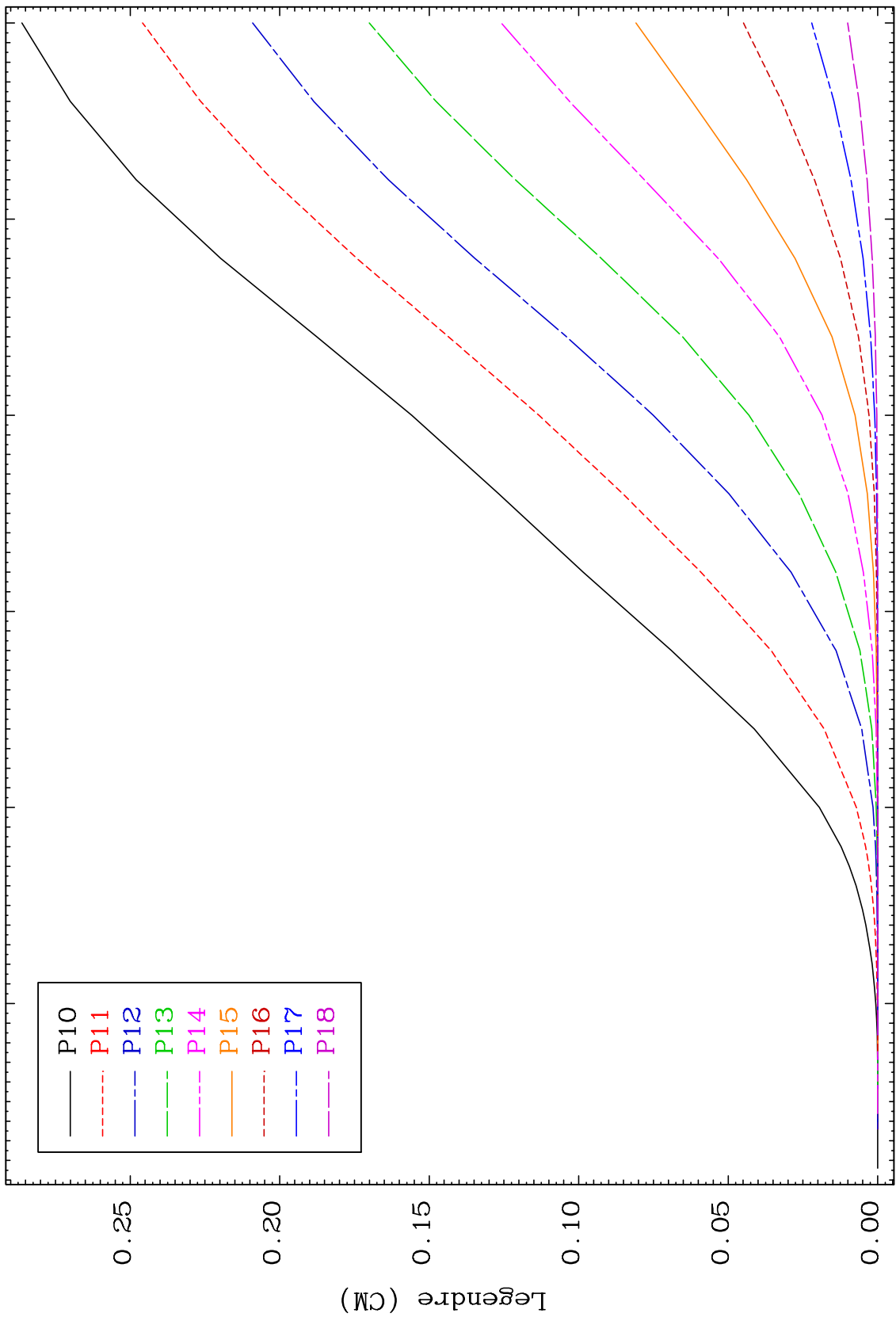
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic Legendre Coefficients

43-Tc-107



17

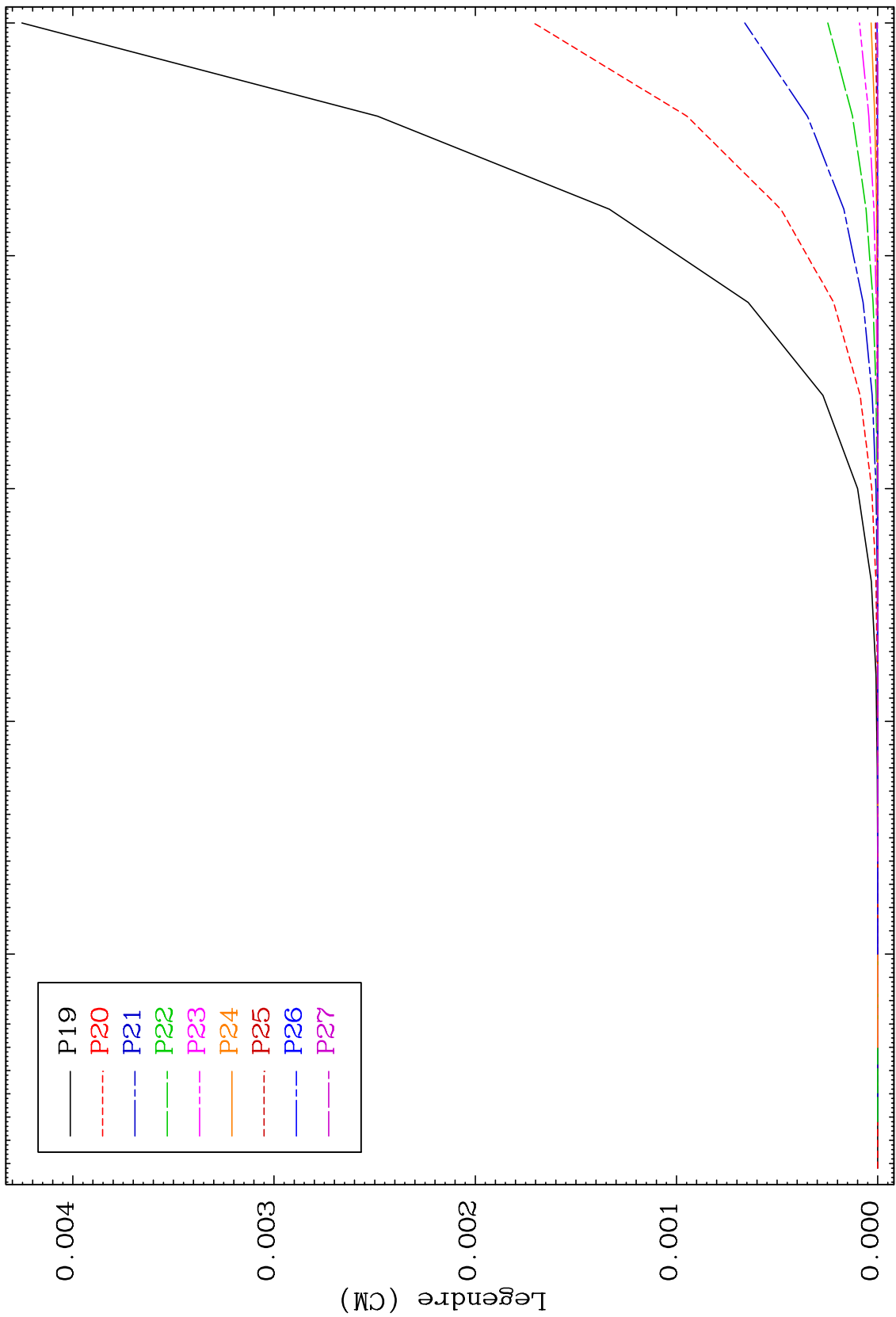
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic Legendre Coefficients

43-Tc-107



18

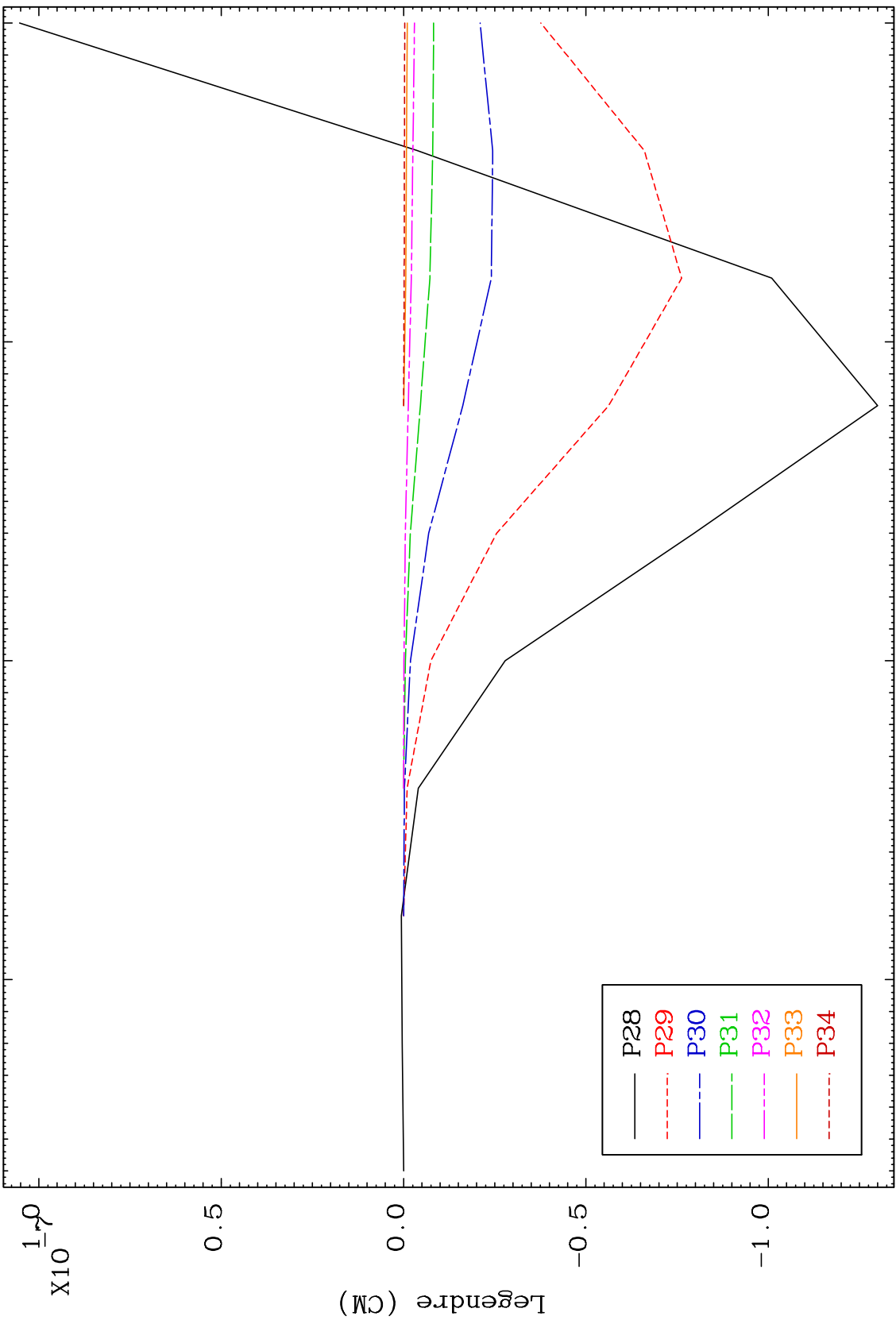
Incident Energy (MeV)

43-Tc-107

MAT 4349

Elastic Legendre Coefficients

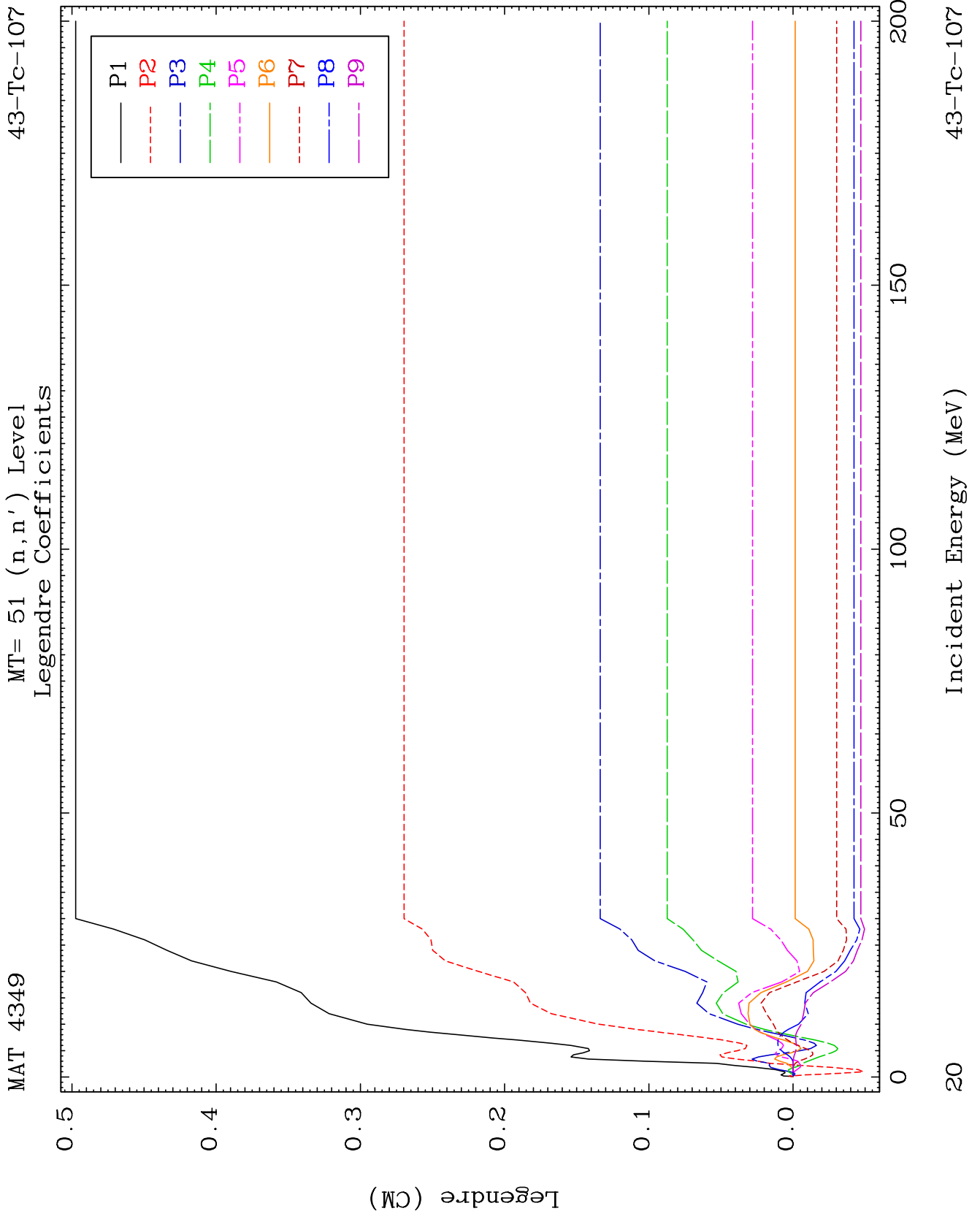
43-Tc-107



19

Incident Energy (MeV)

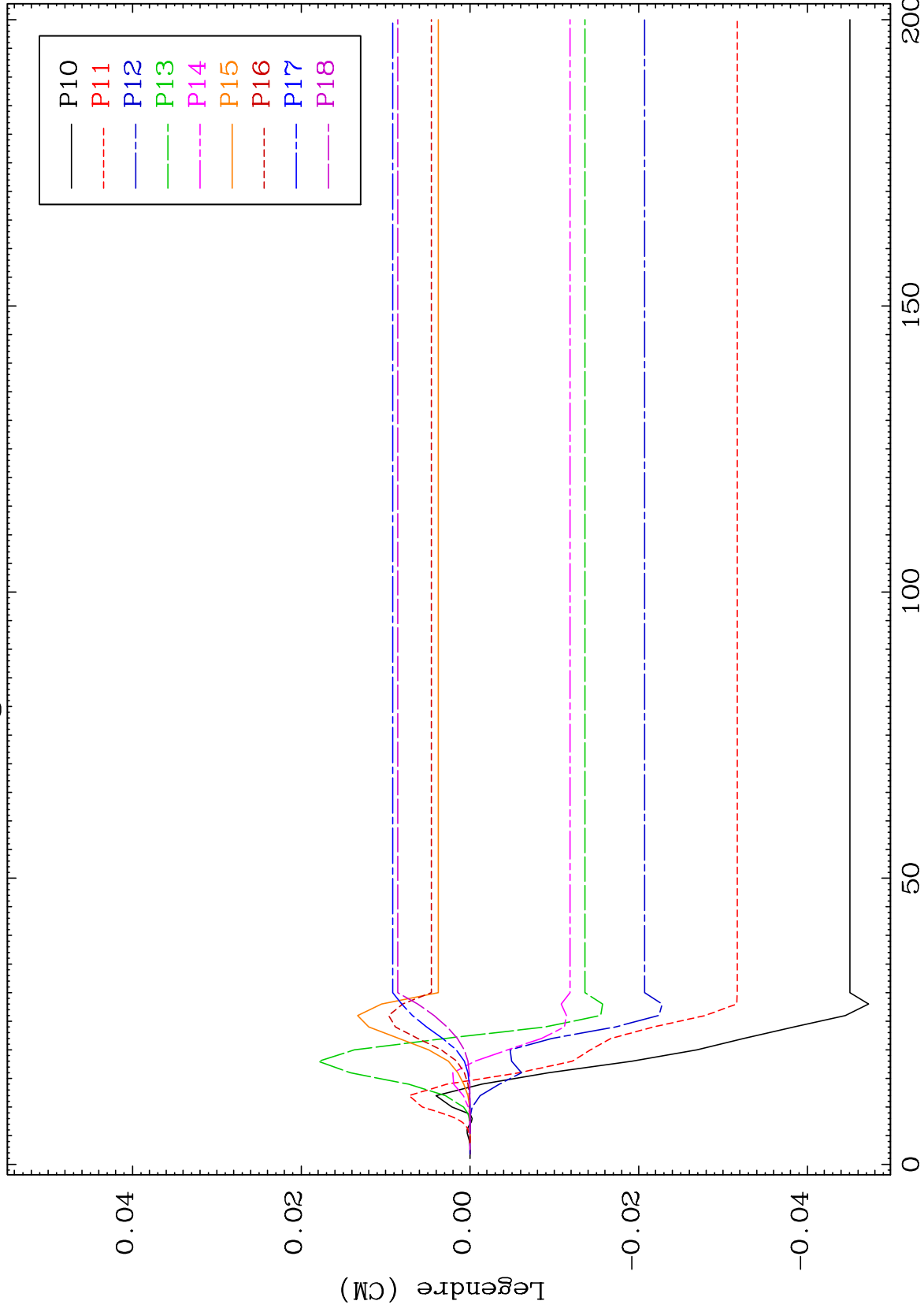
43-Tc-107



MAT 4349

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

43-Tc-107



21

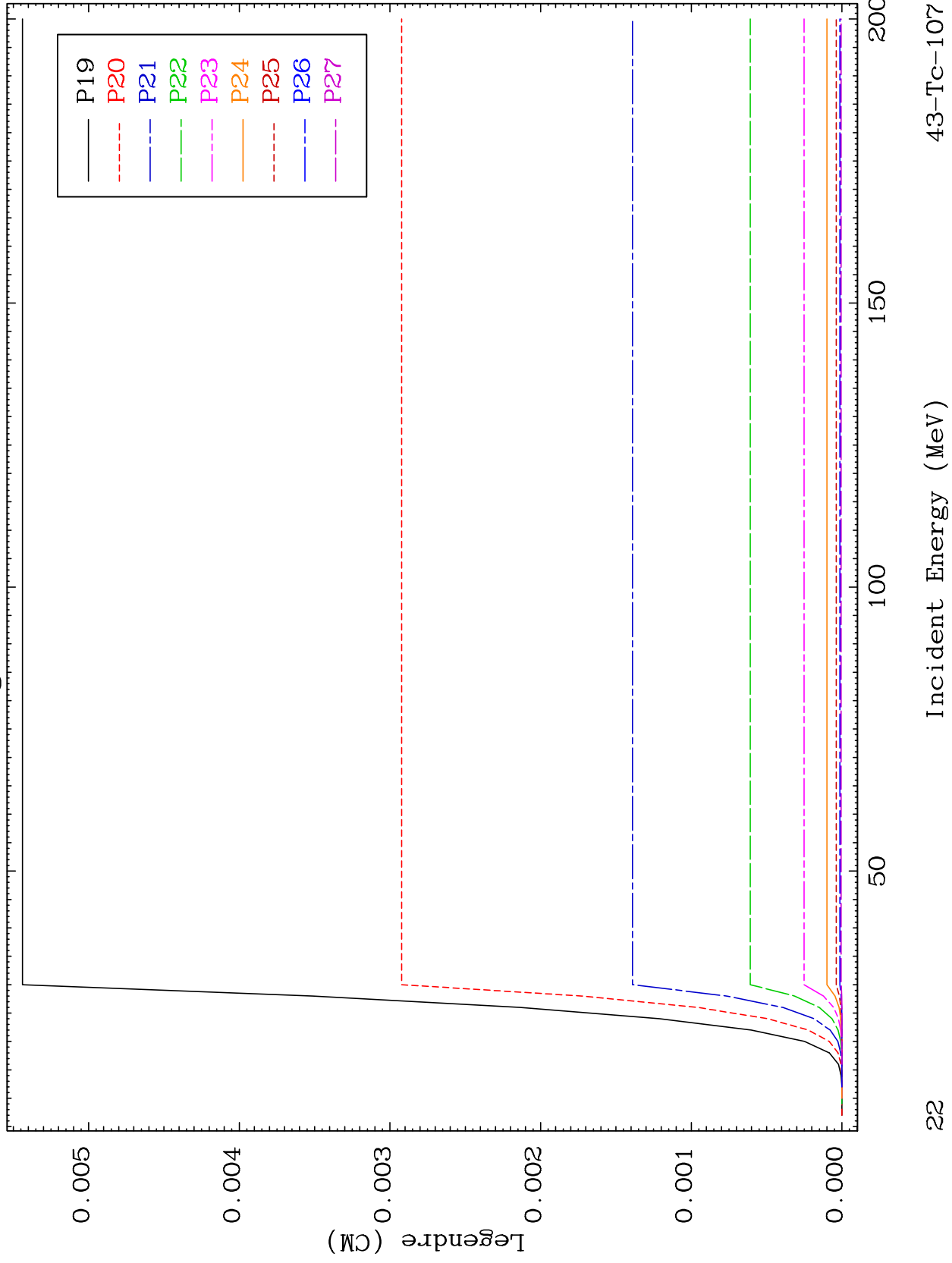
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



22

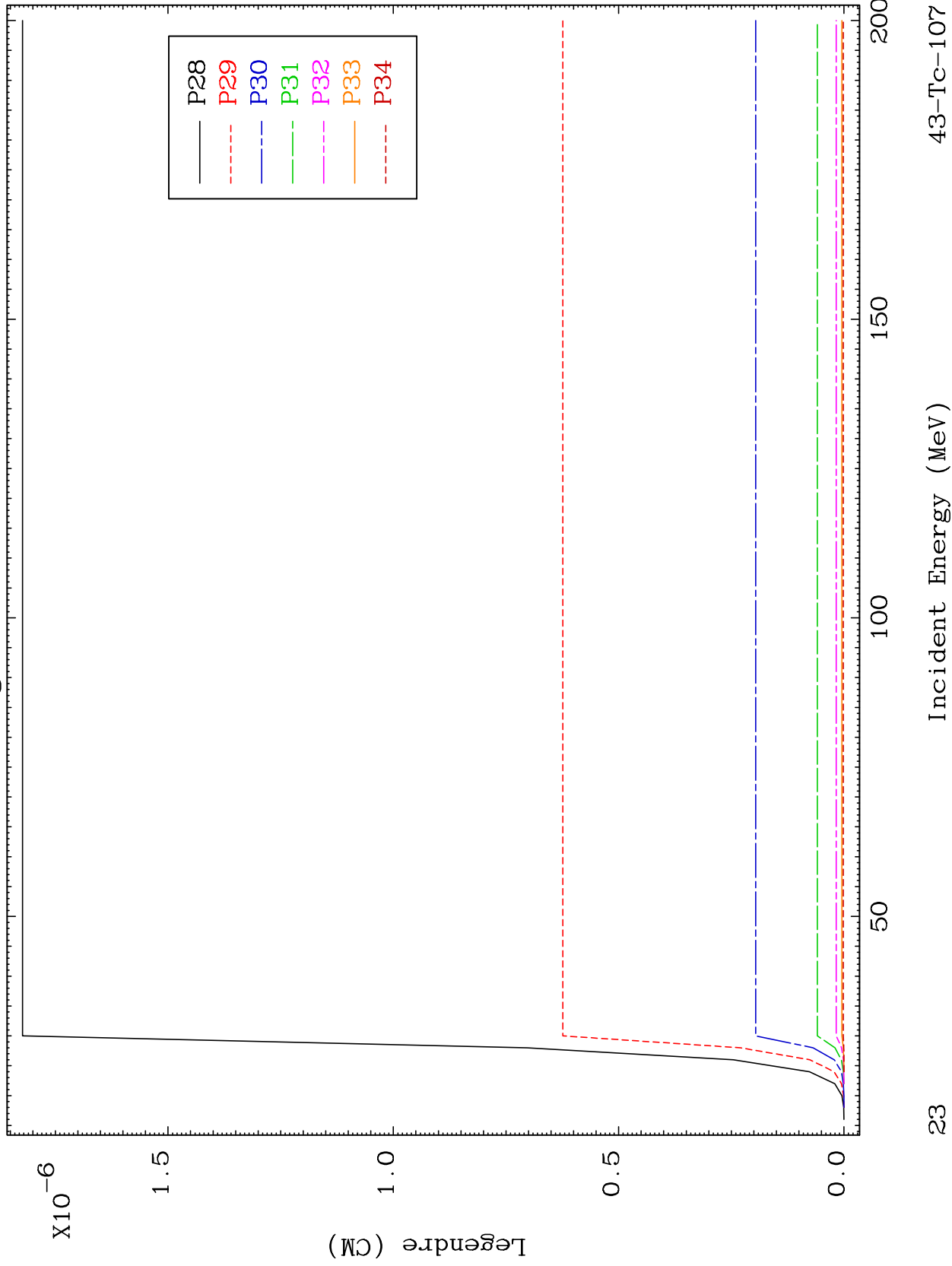
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

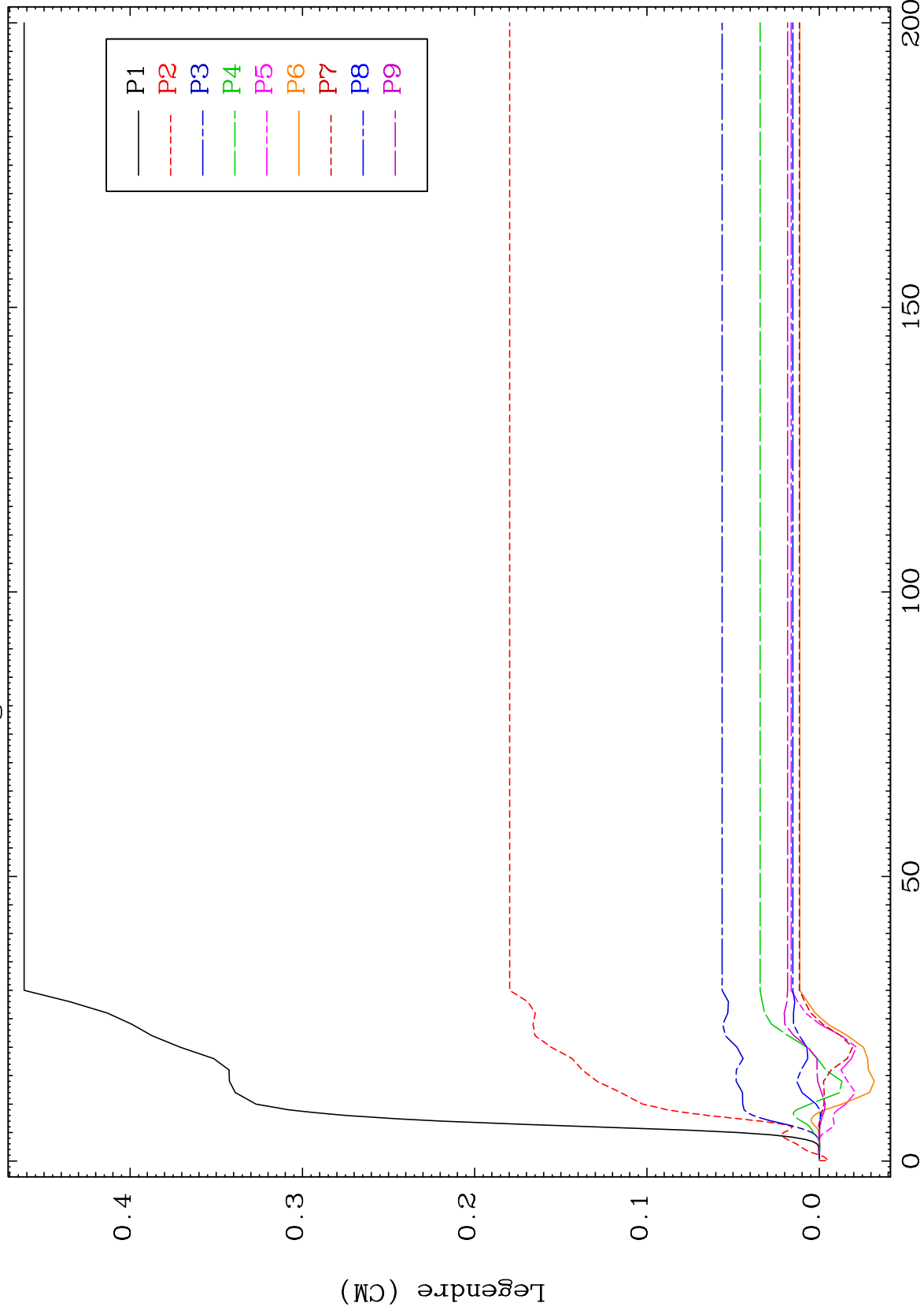
43-Tc-107



MAT 4349

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

43-Tc-107



24

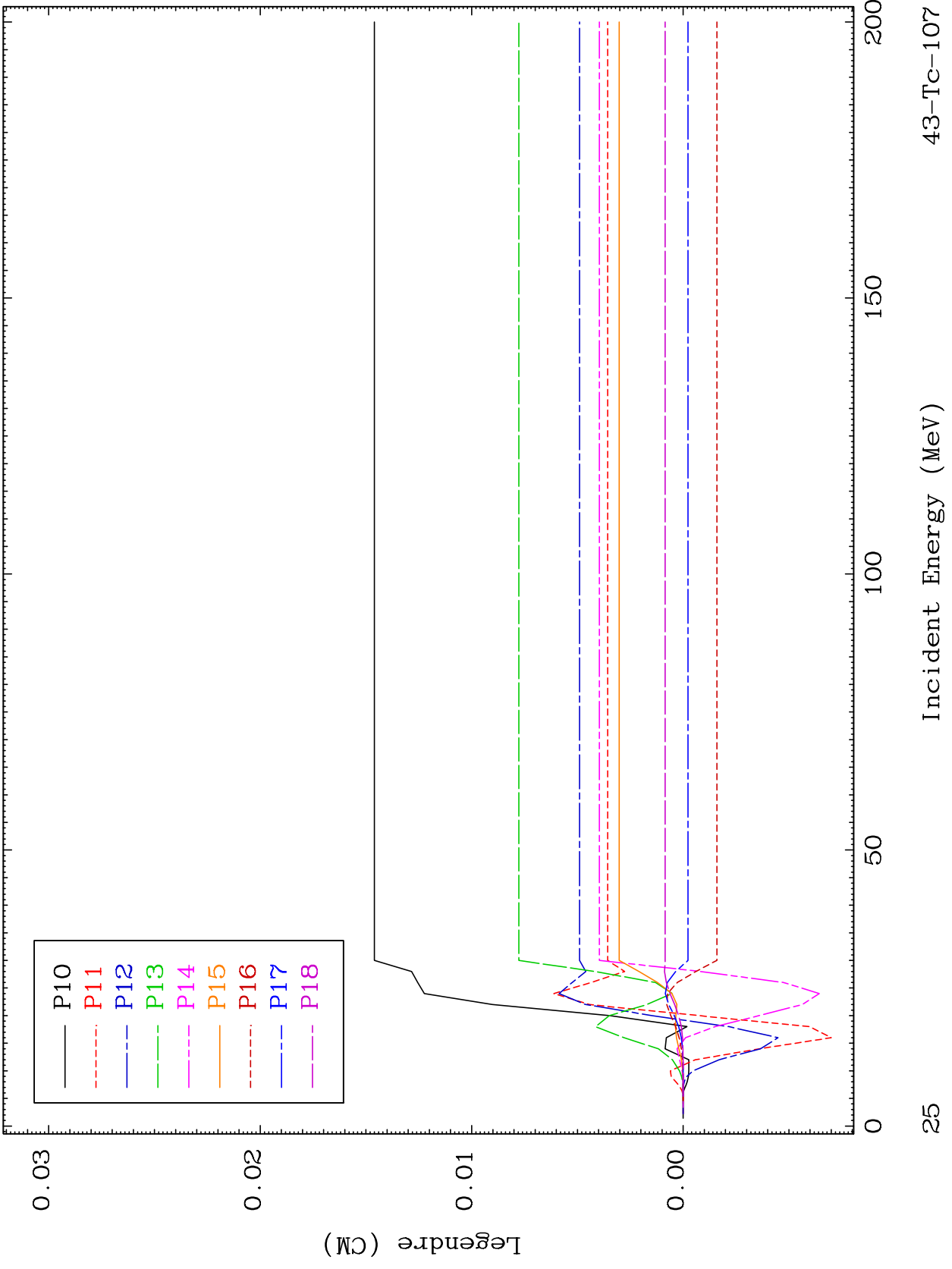
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43-Tc-107

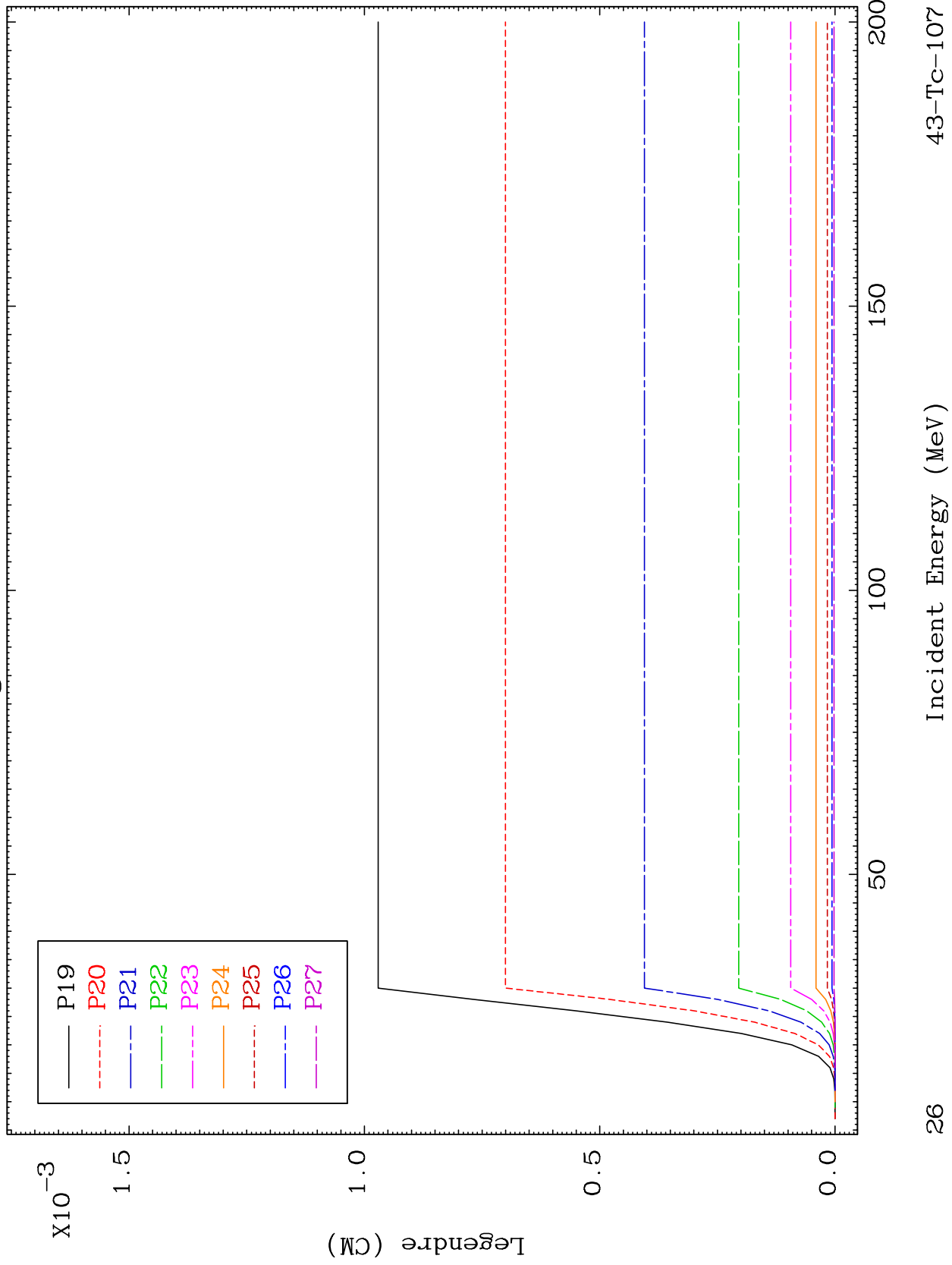
Incident Energy (MeV)

25

MAT 4349

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

43-Tc-107

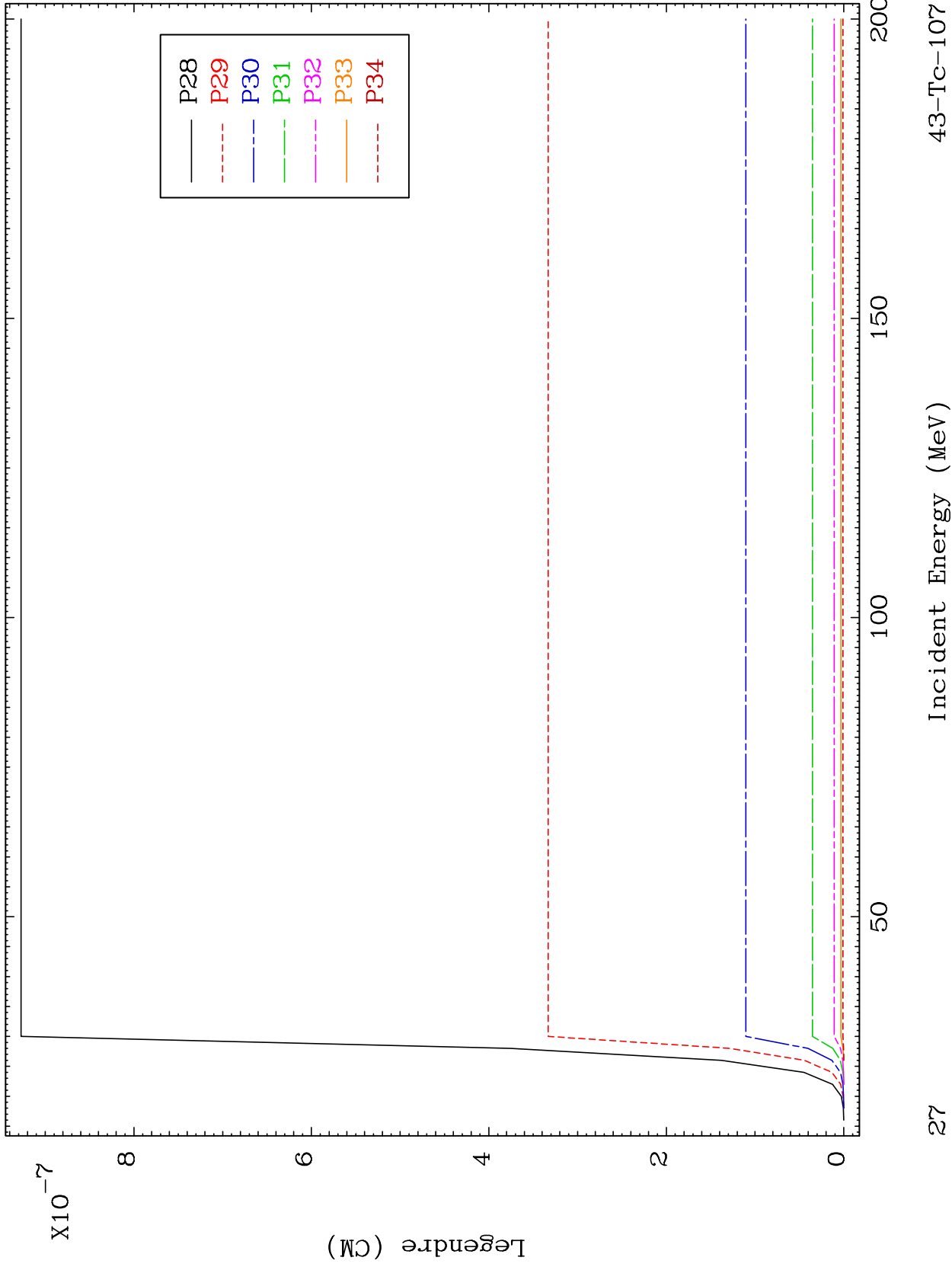


26

MAT 4349

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

43-Tc-107



27

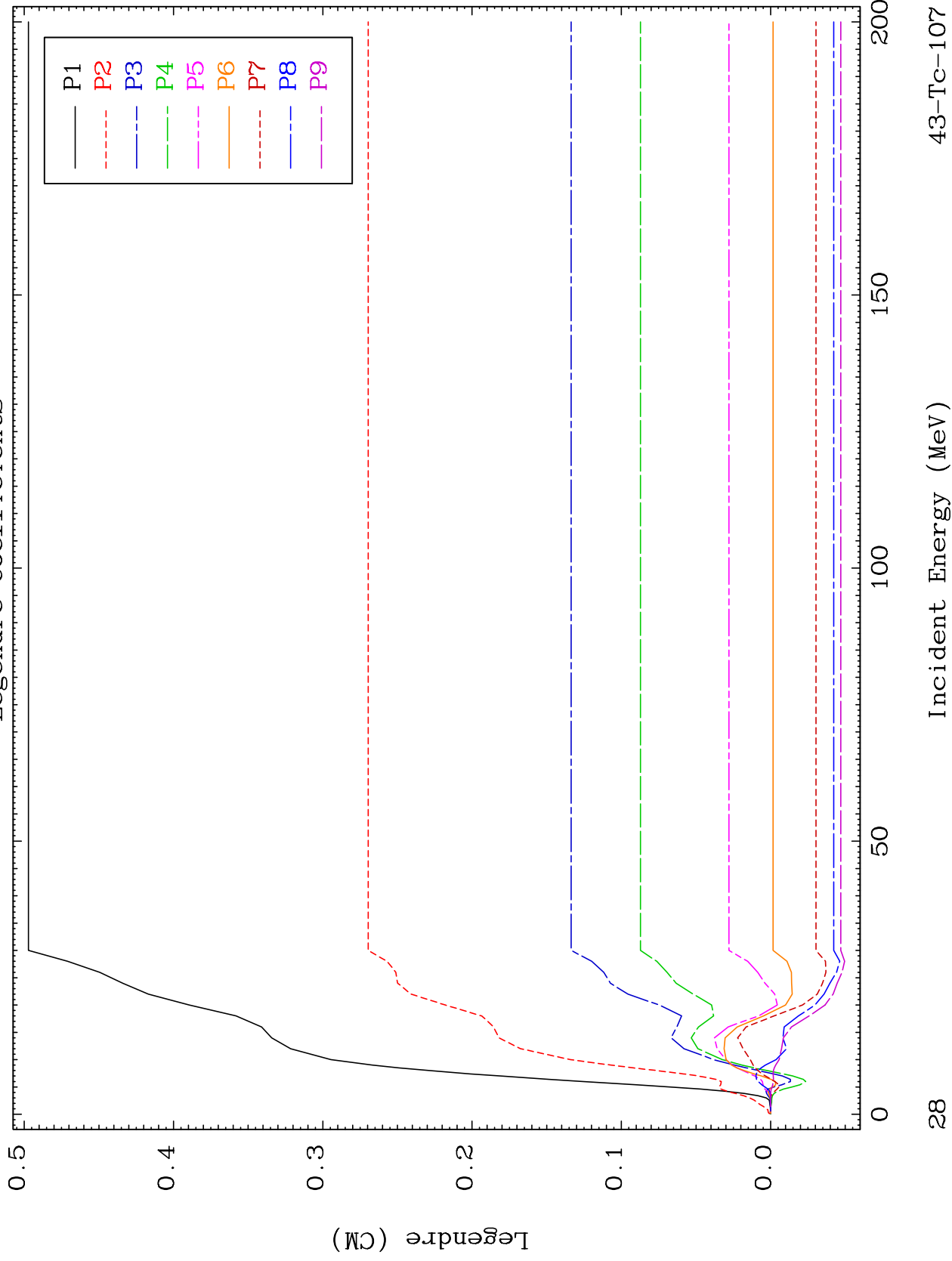
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



28

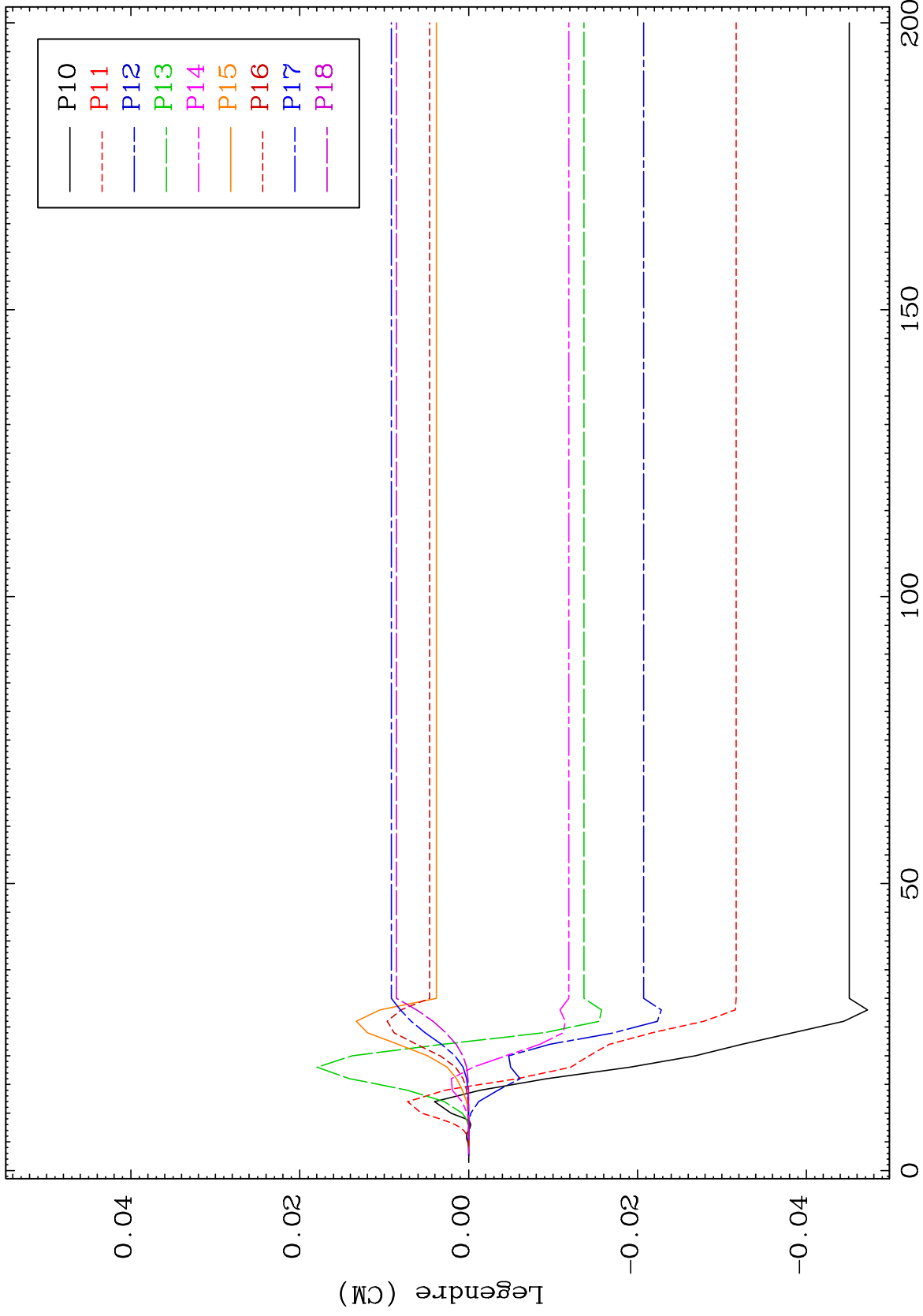
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



29

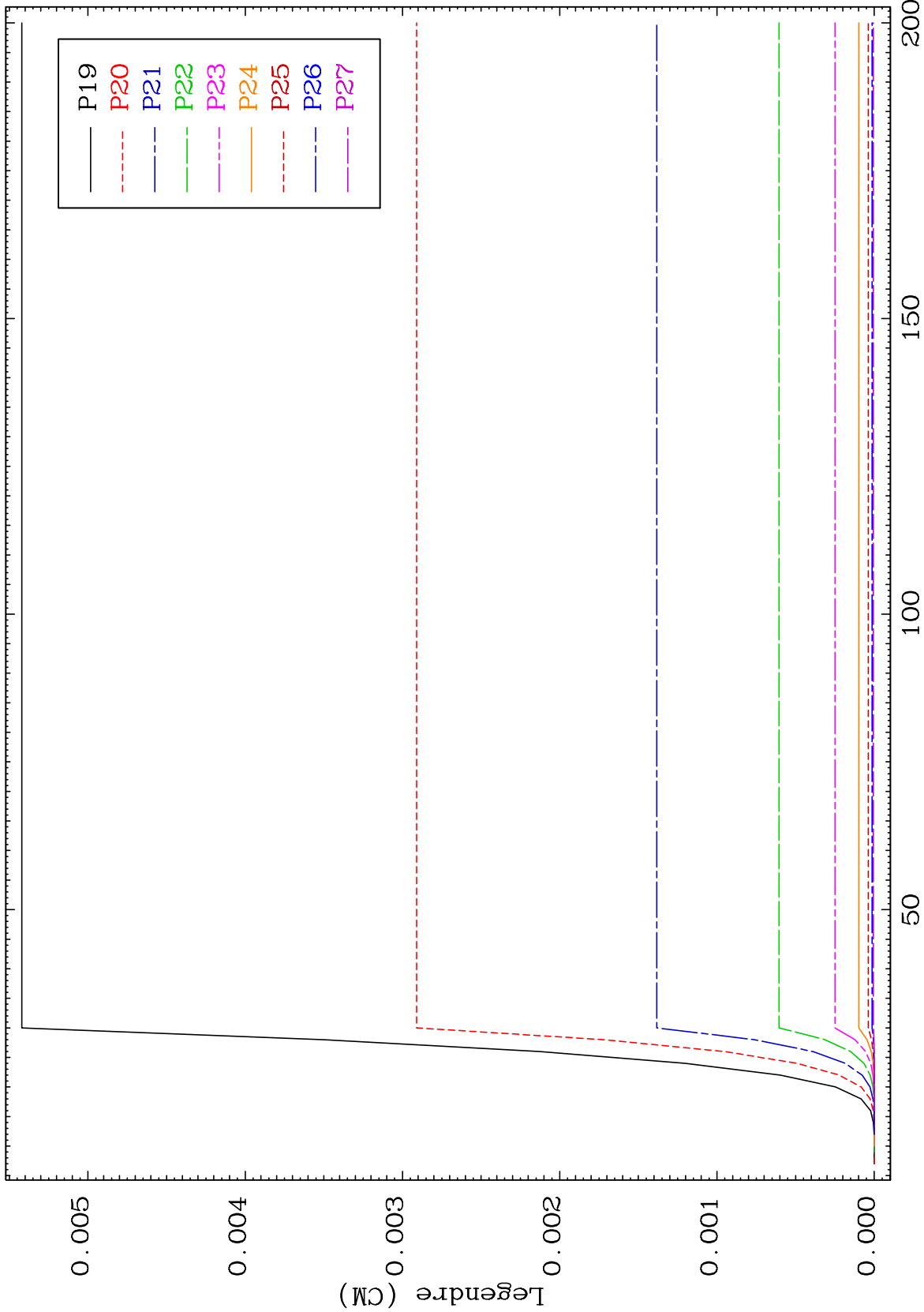
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



30

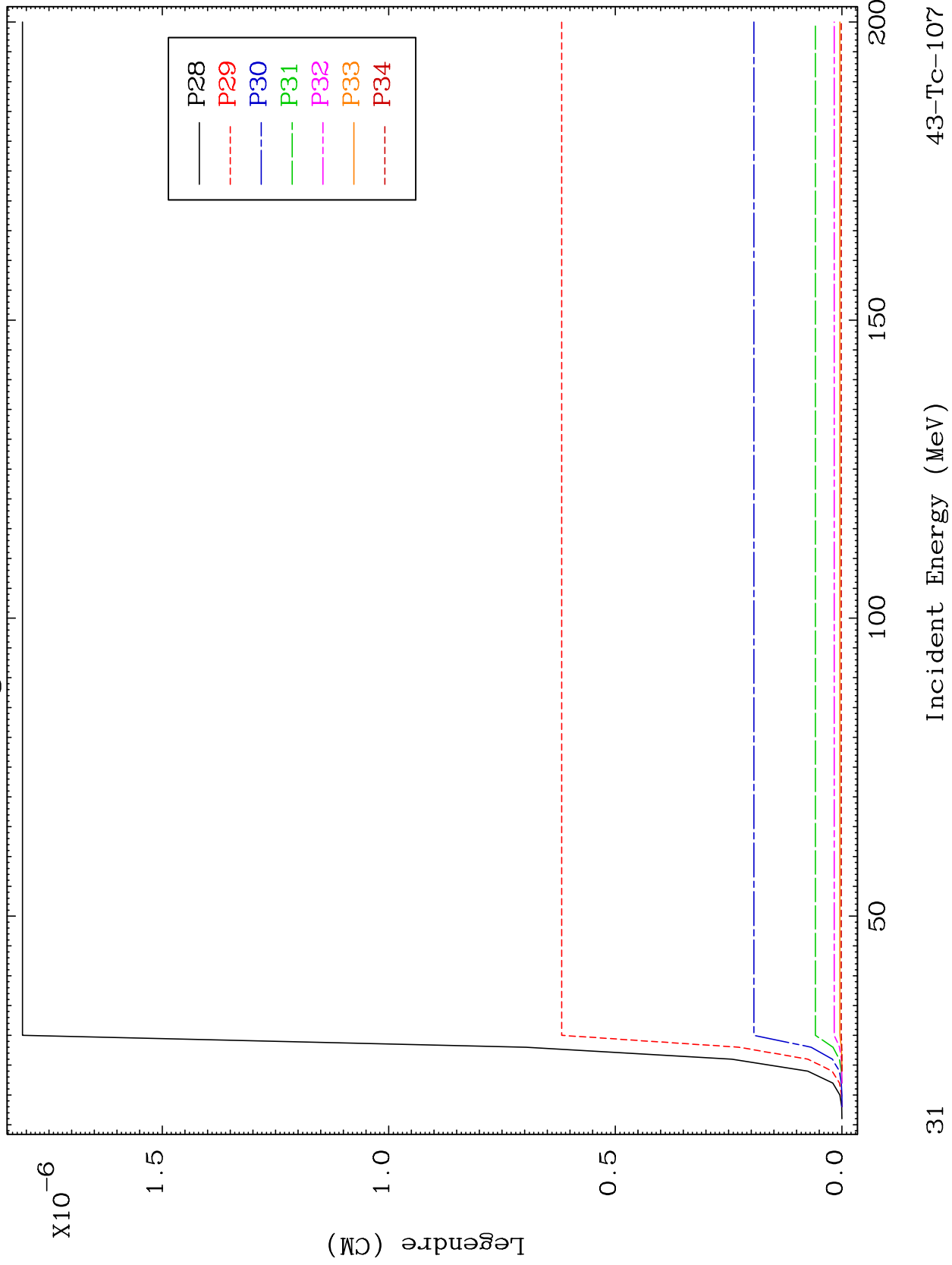
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

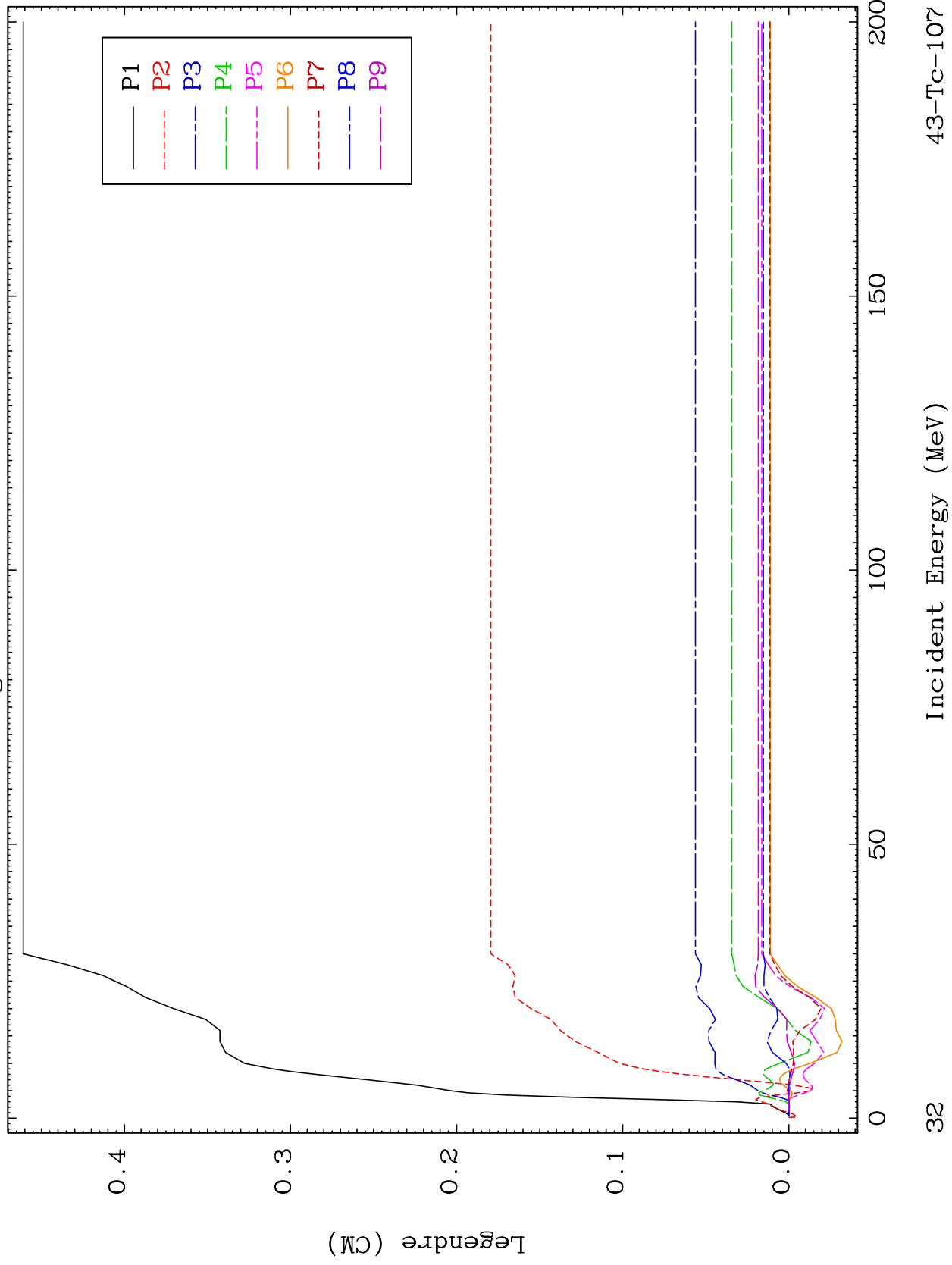
43-Tc-107



MAT 4349

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

43-Tc-107



32

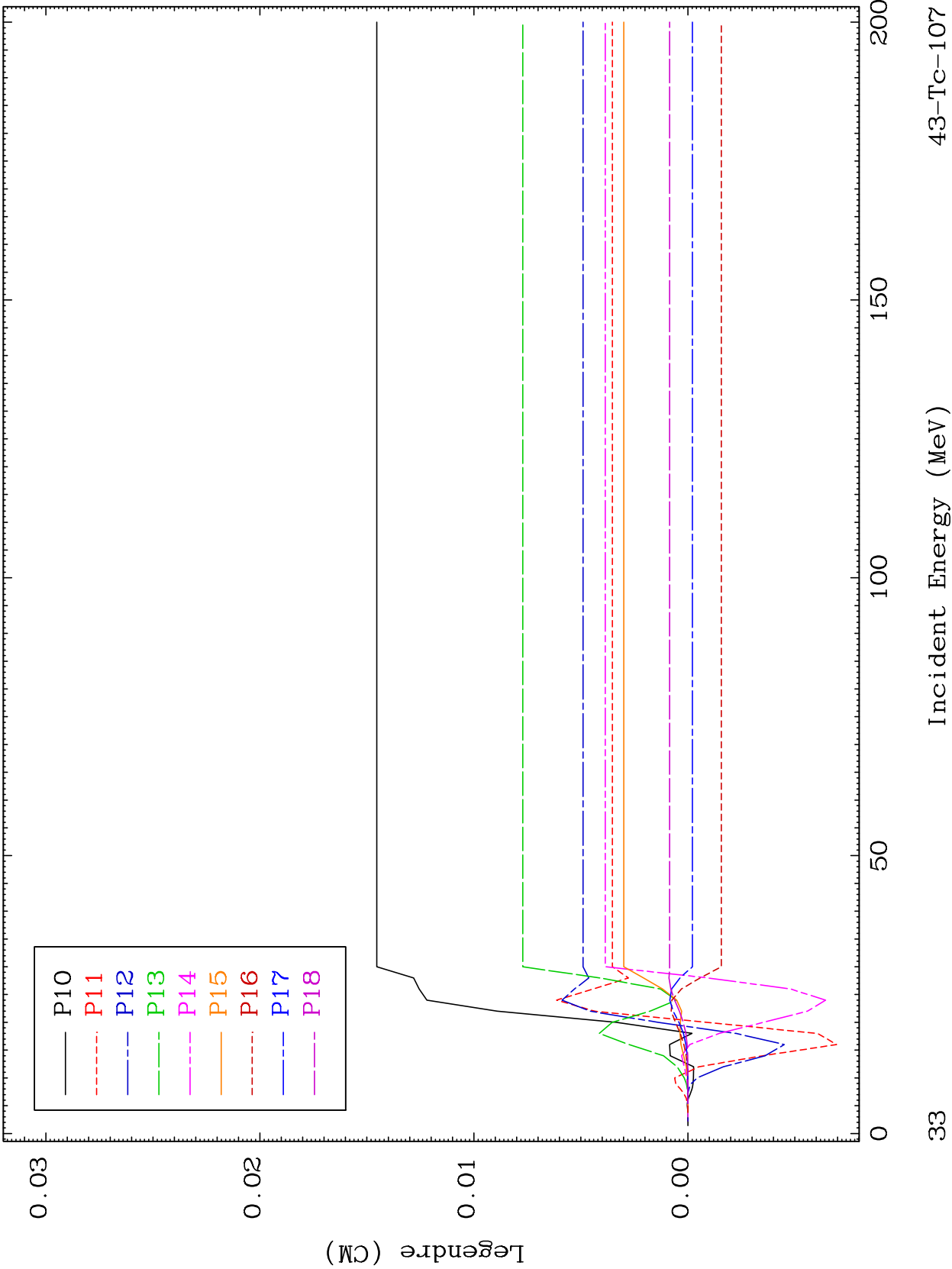
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



33

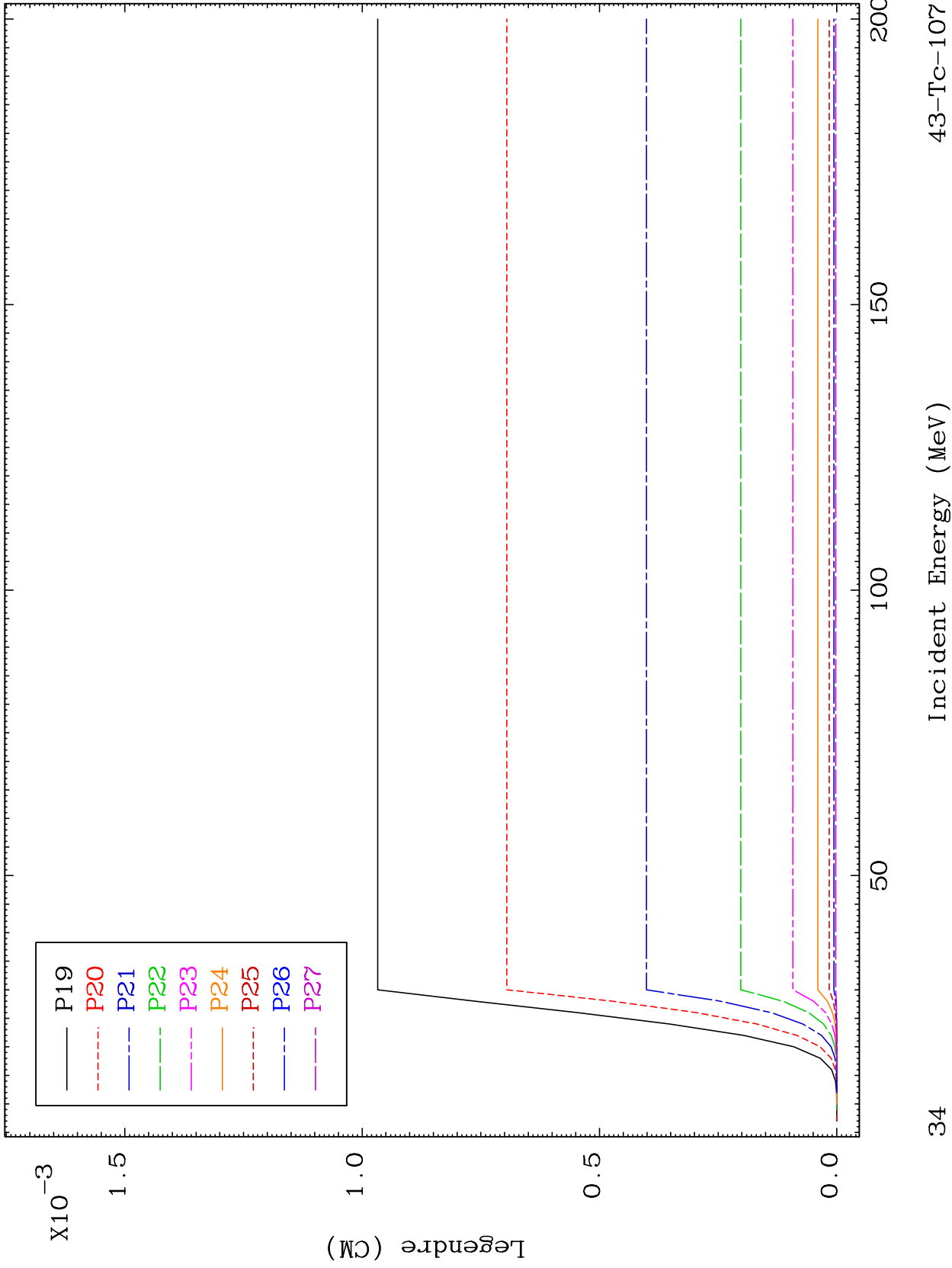
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

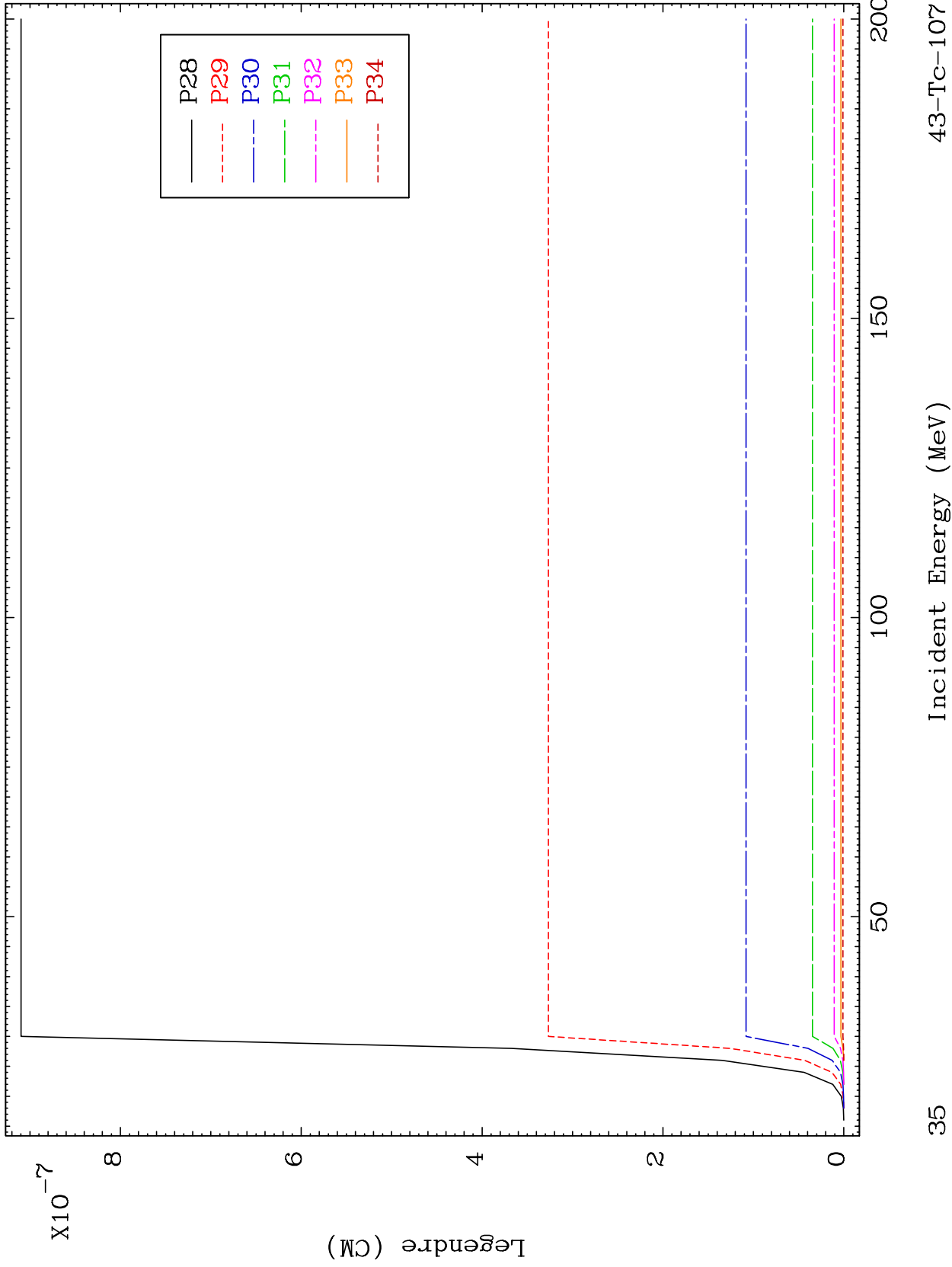
43-Tc-107



MAT 4349

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

43-Tc-107



35

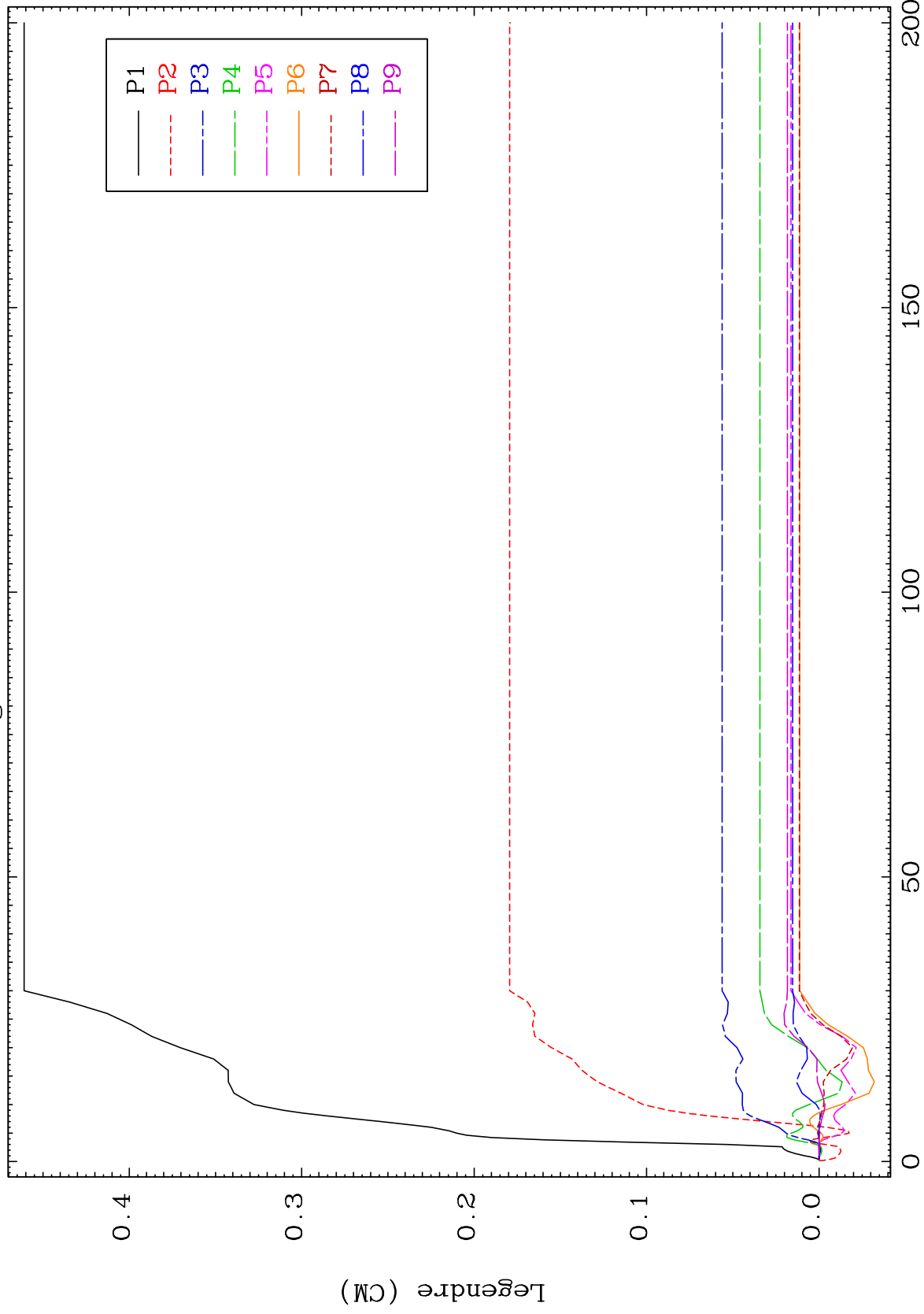
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



36

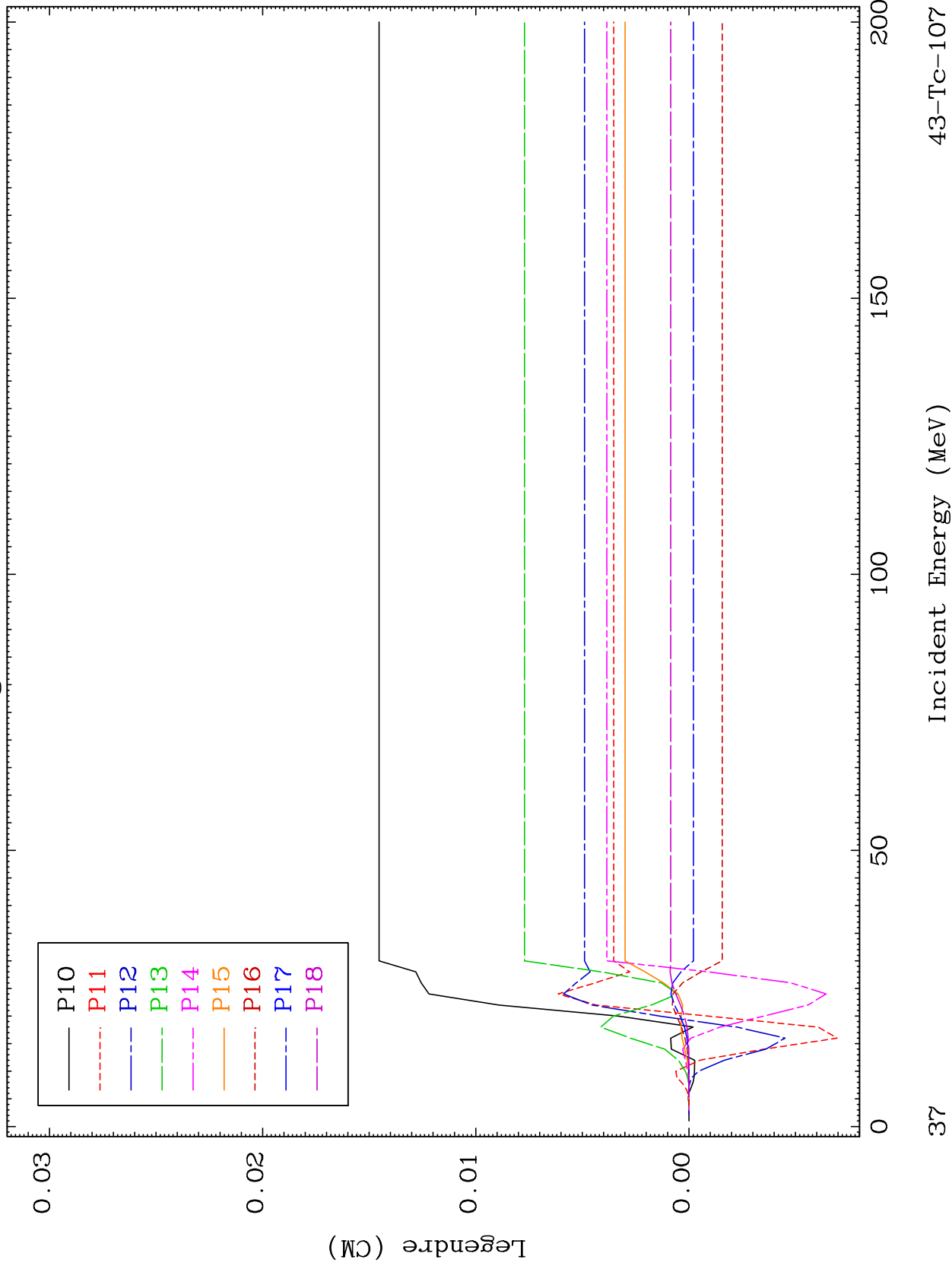
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



37

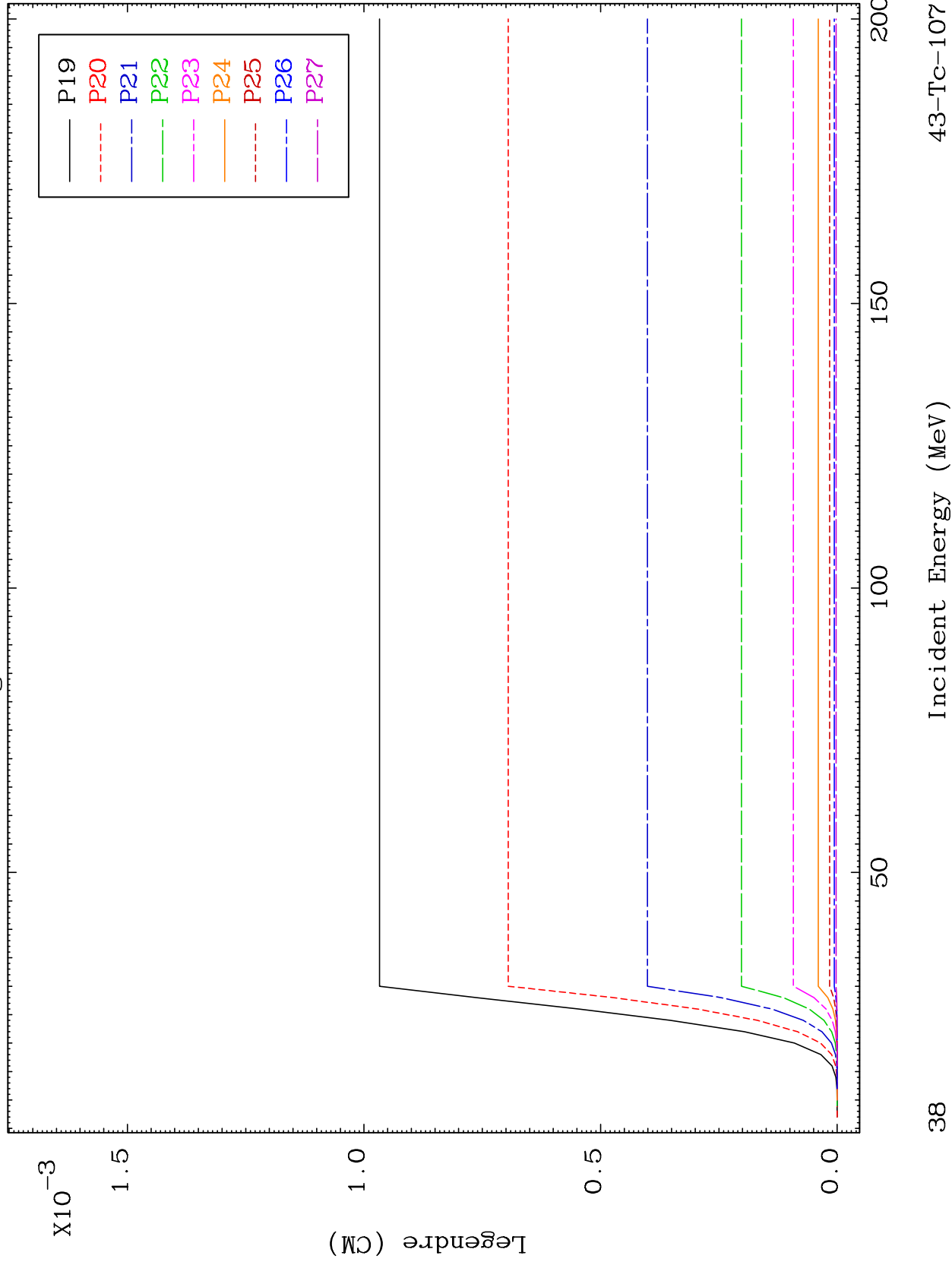
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



38

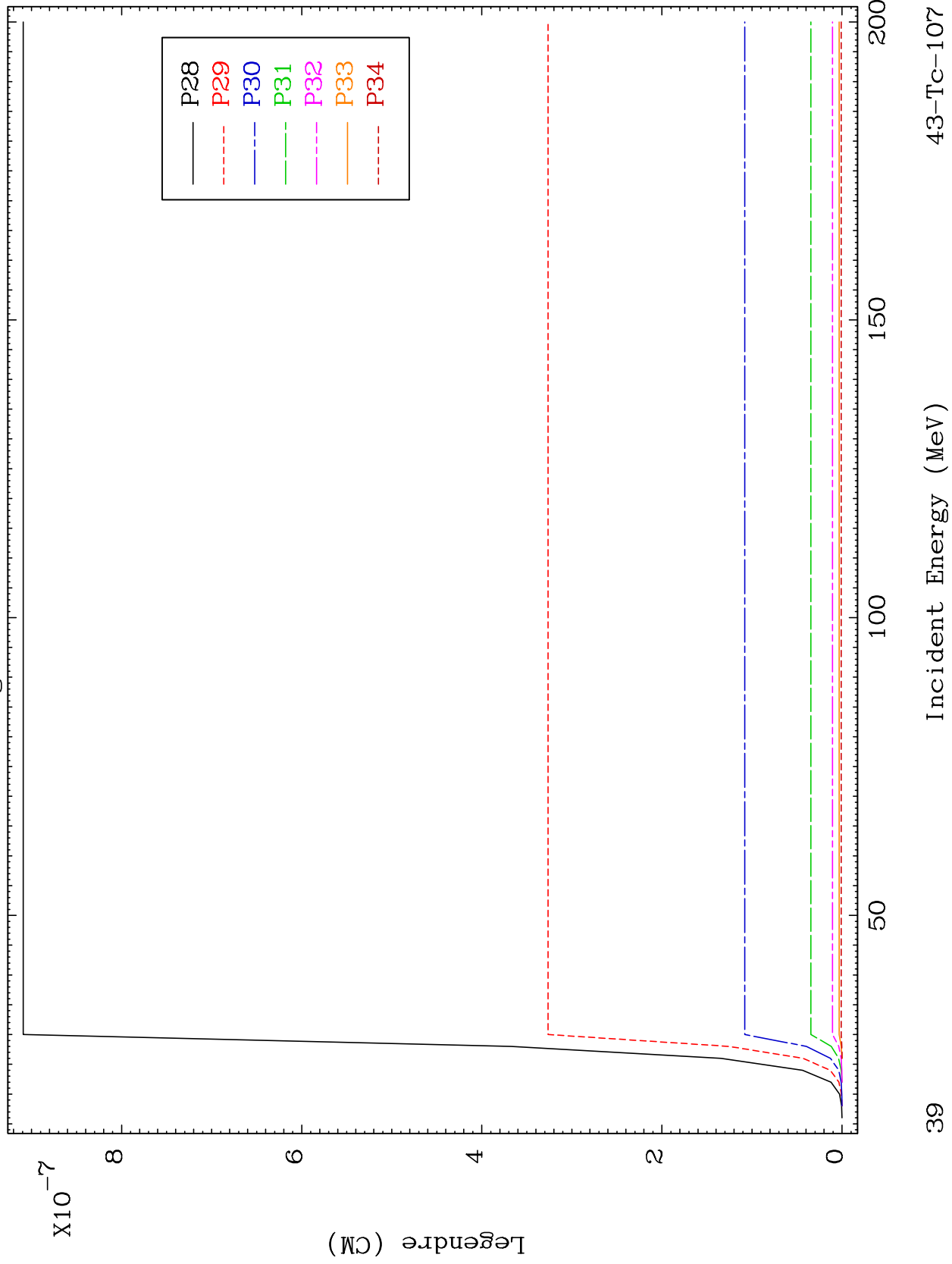
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



39

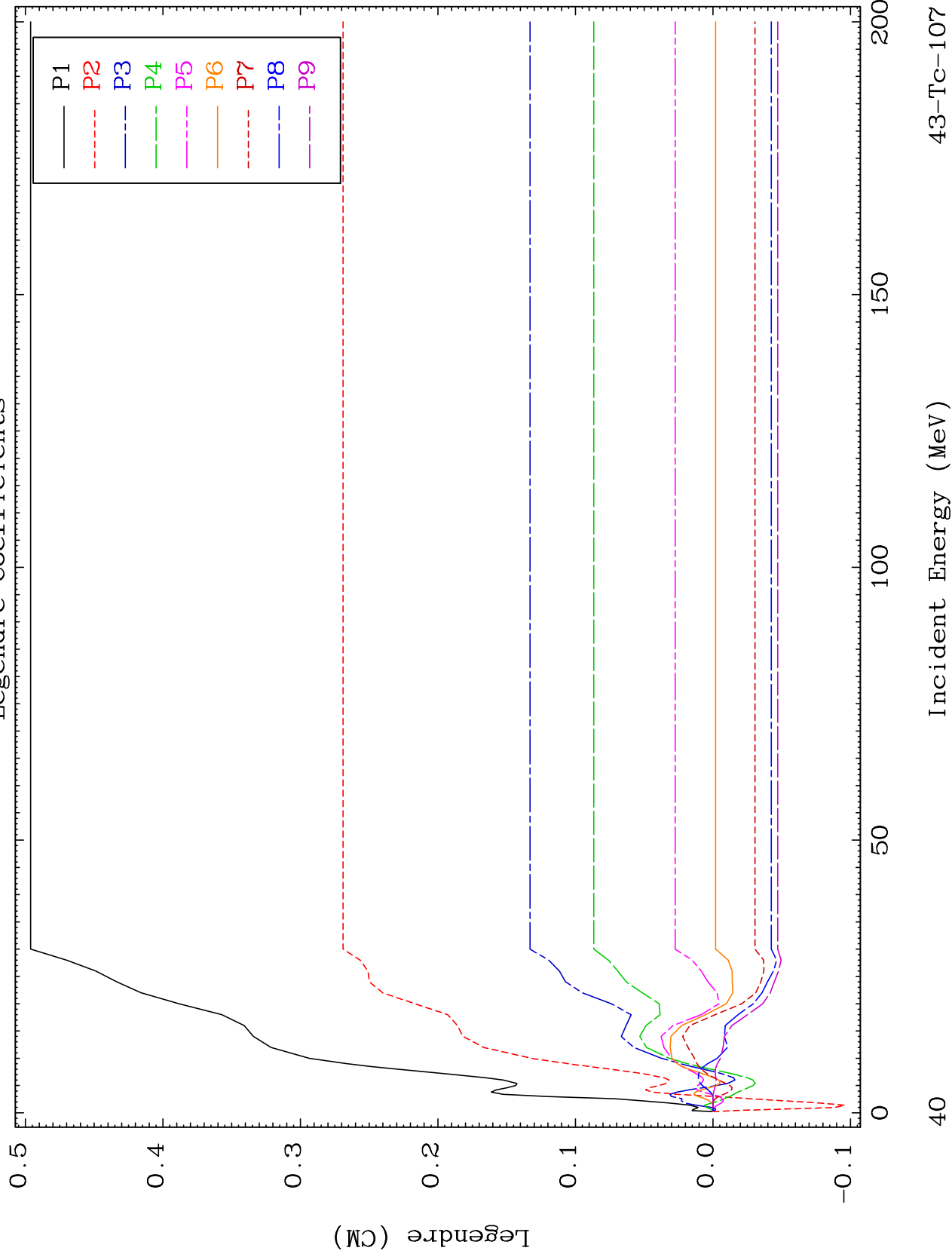
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

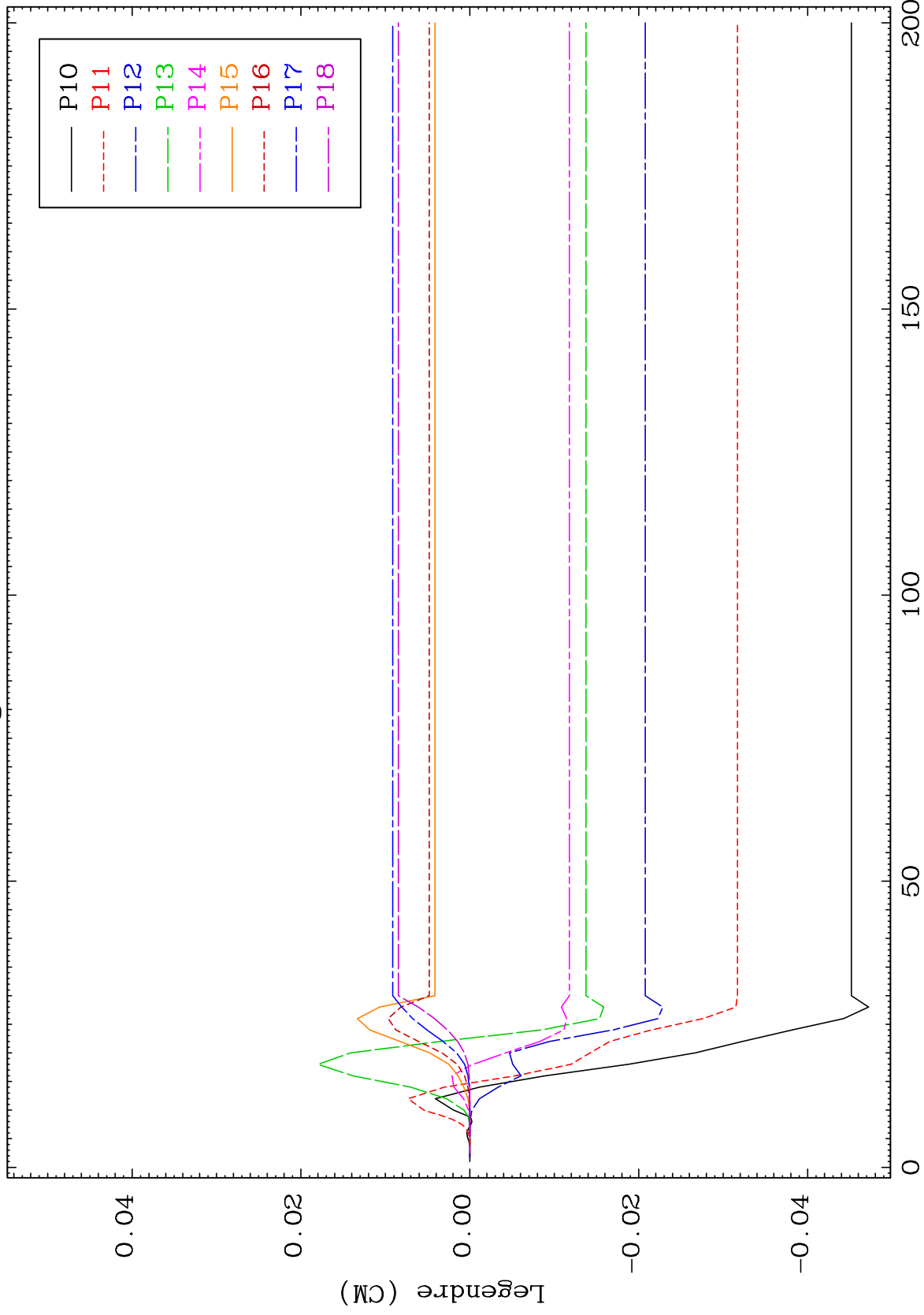
43-Tc-107



MAT 4349

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

43-Tc-107



41

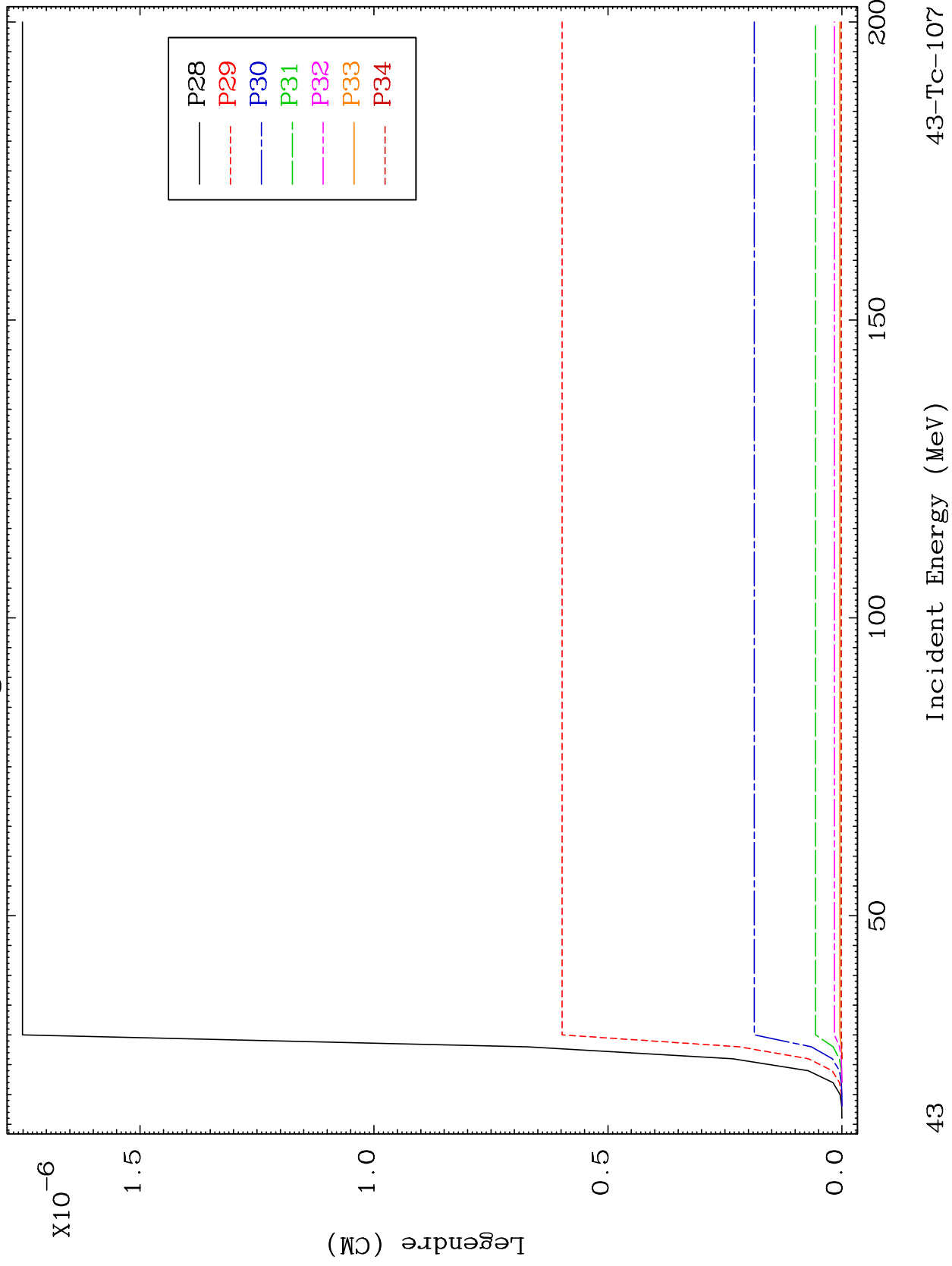
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

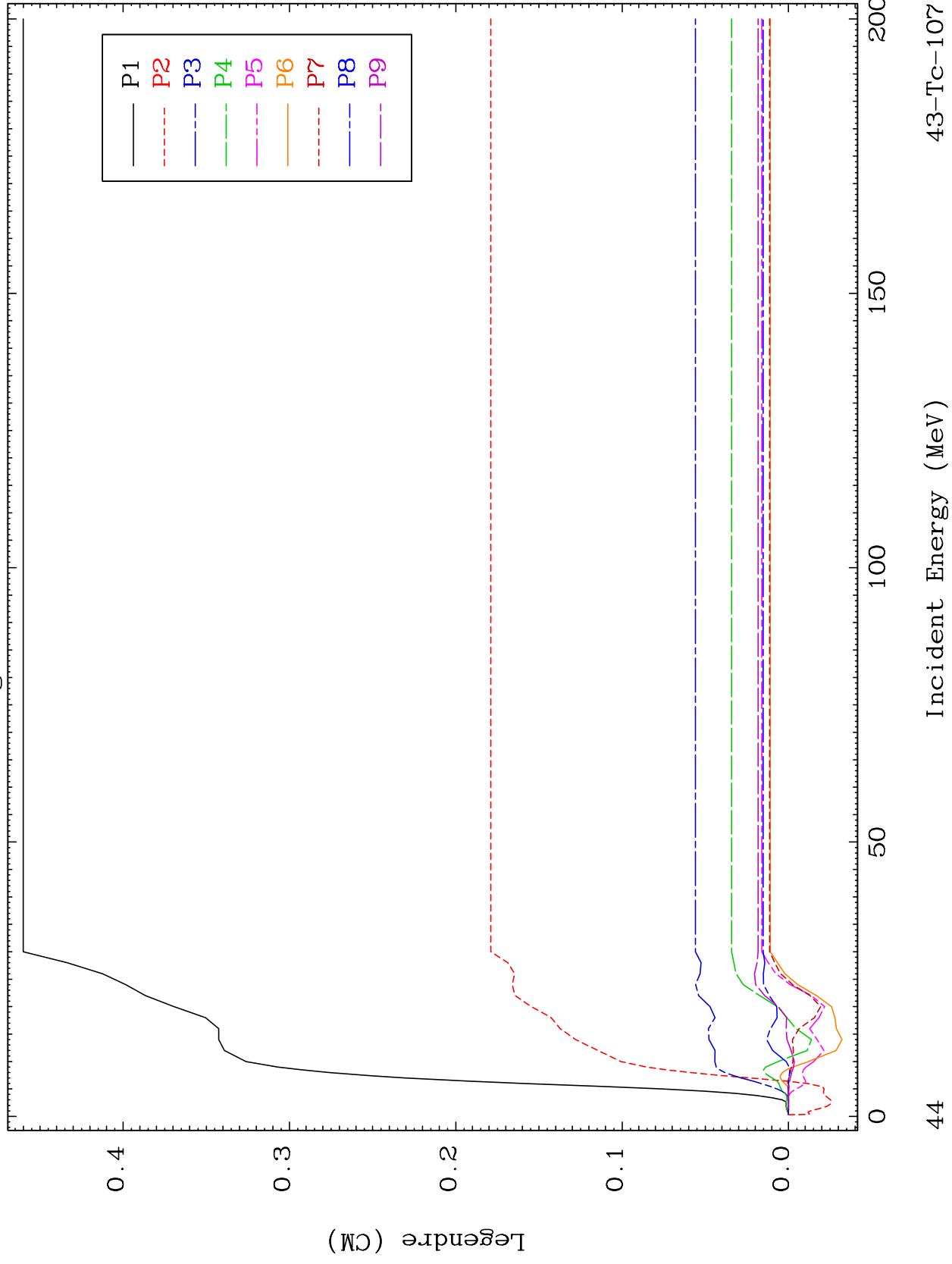


43

MAT 4349

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

43-Tc-107



44

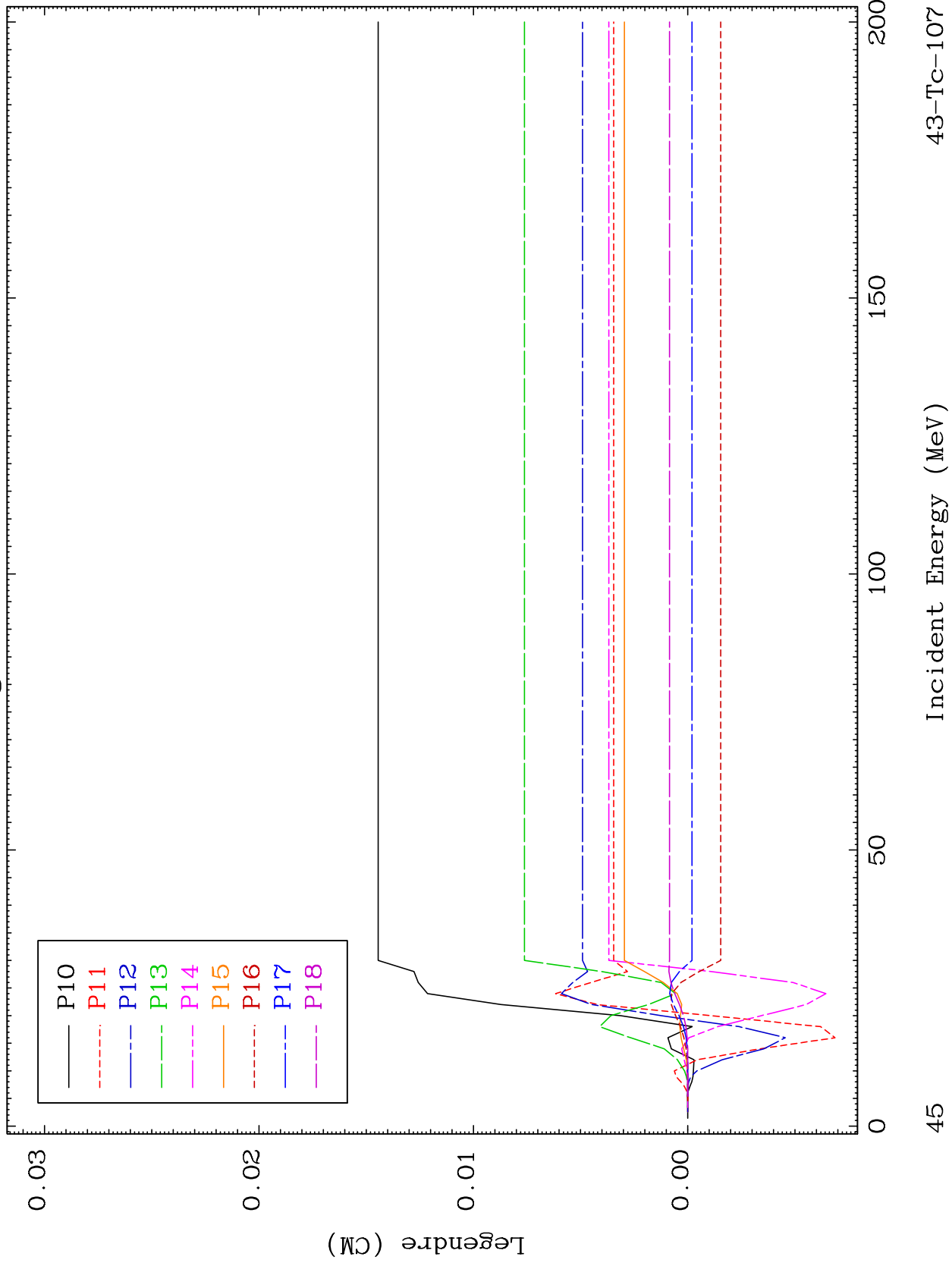
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43-Tc-107

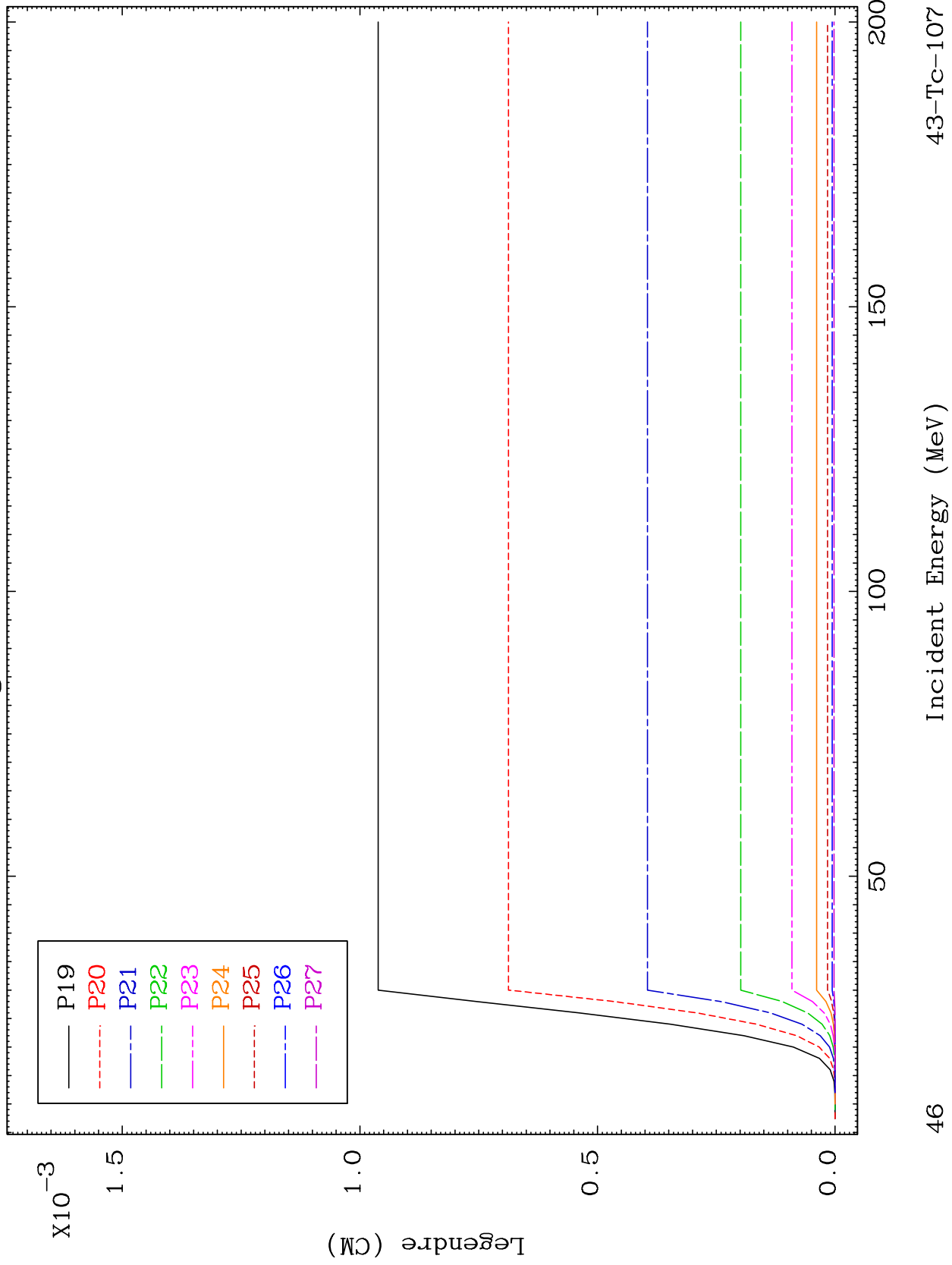
Incident Energy (MeV)

45

MAT 4349

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

43-Tc-107



46

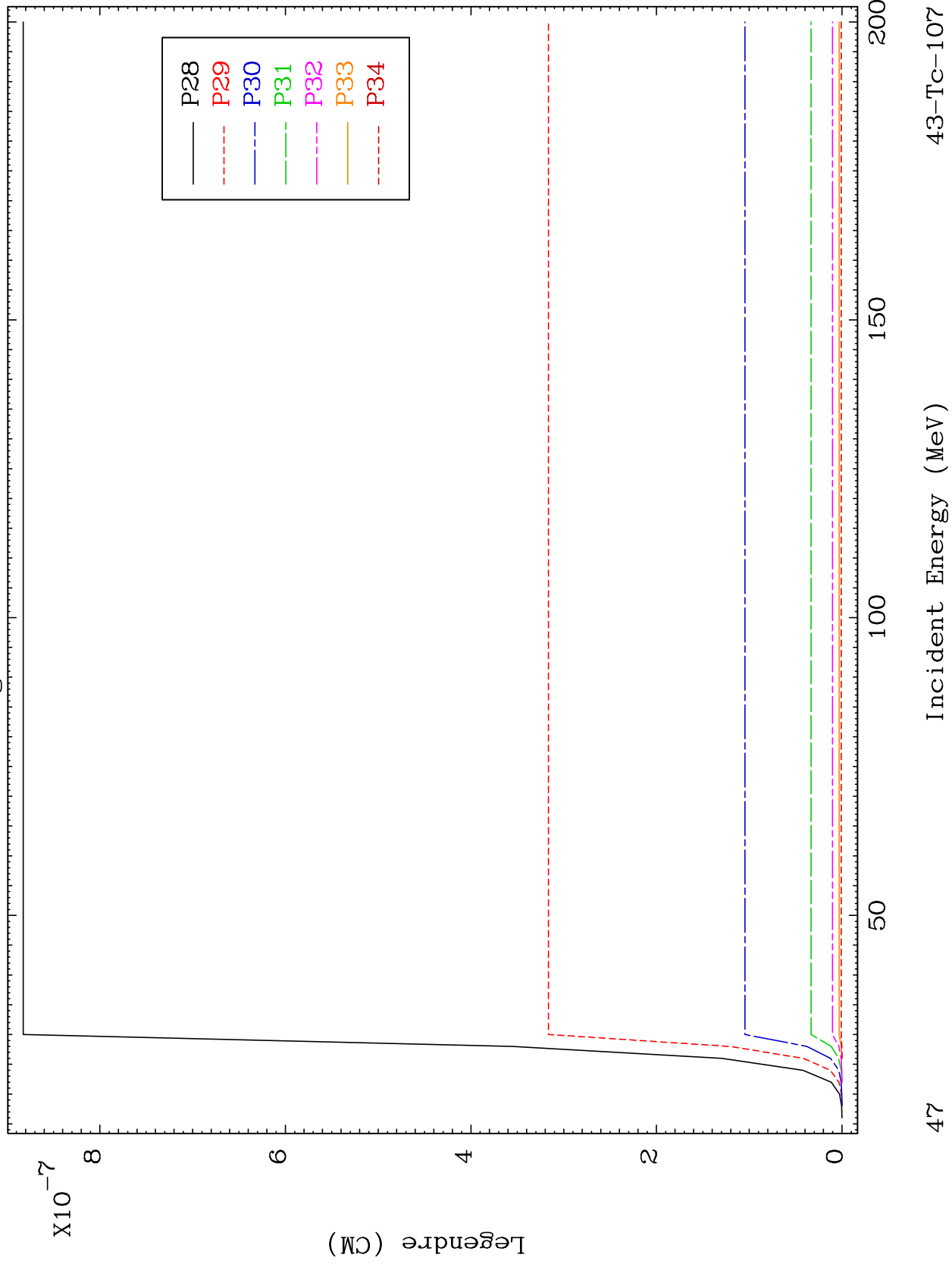
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

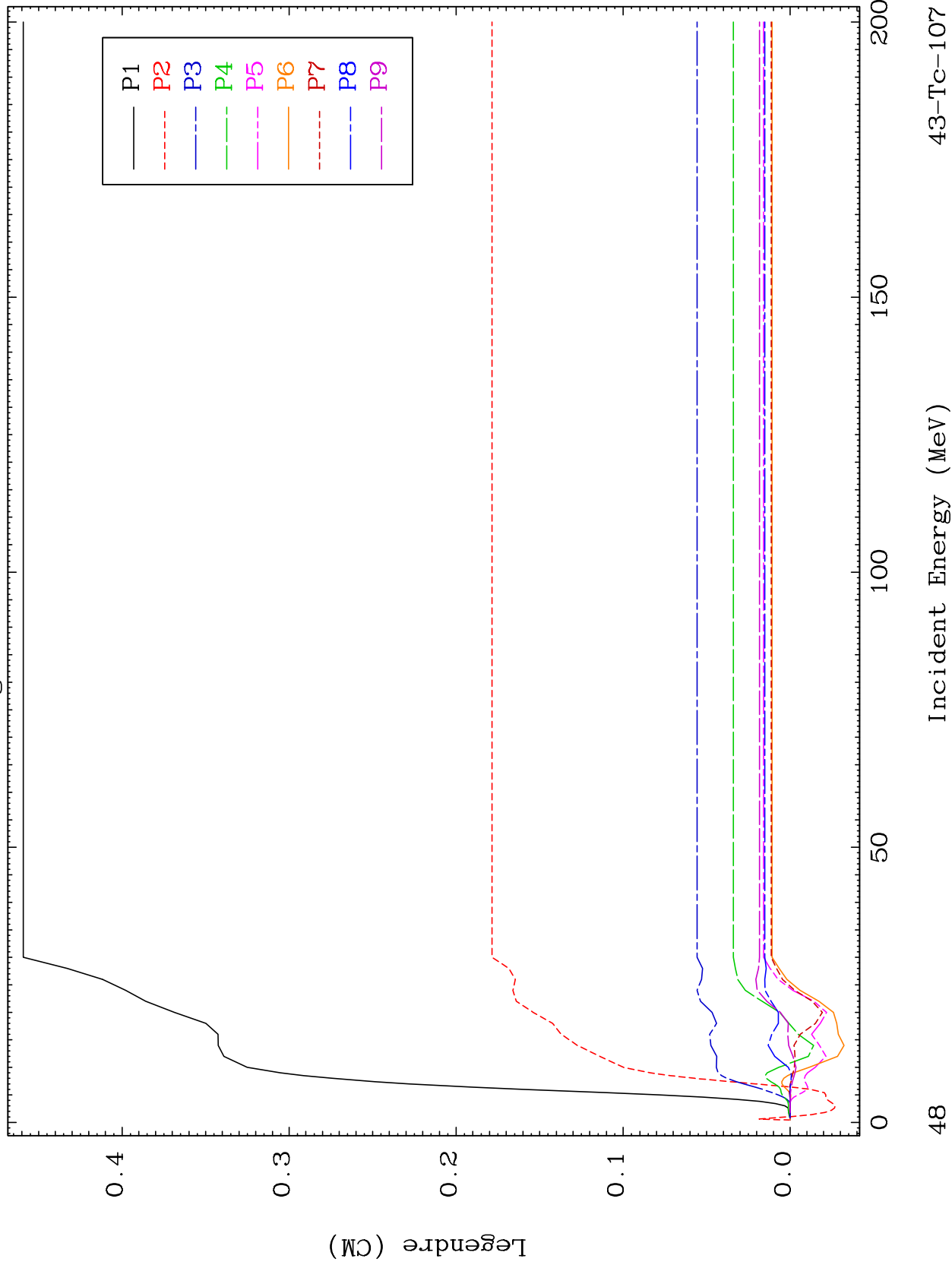
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

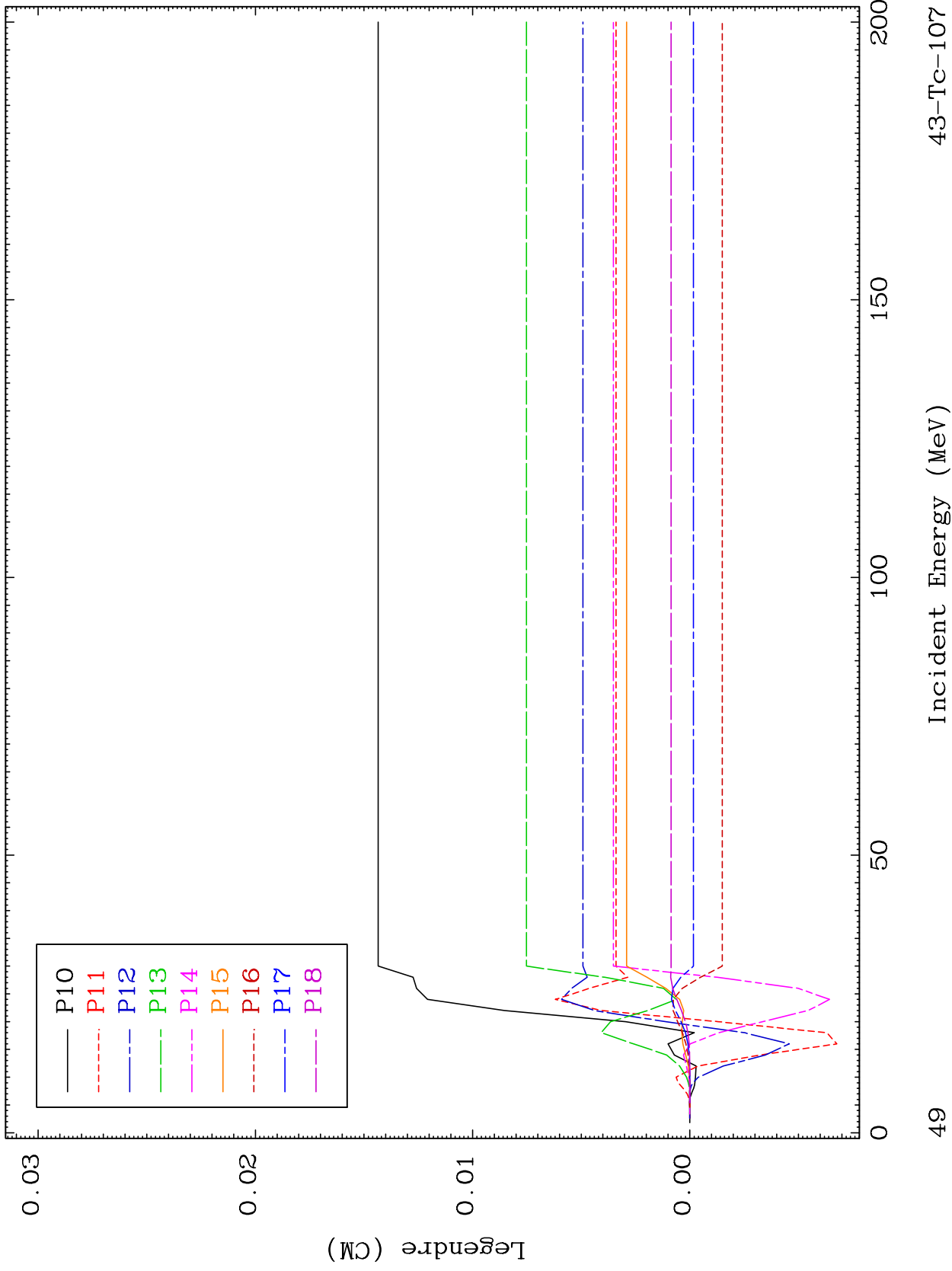
Incident Energy (MeV)

48

MAT 4349

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

43-Tc-107



49

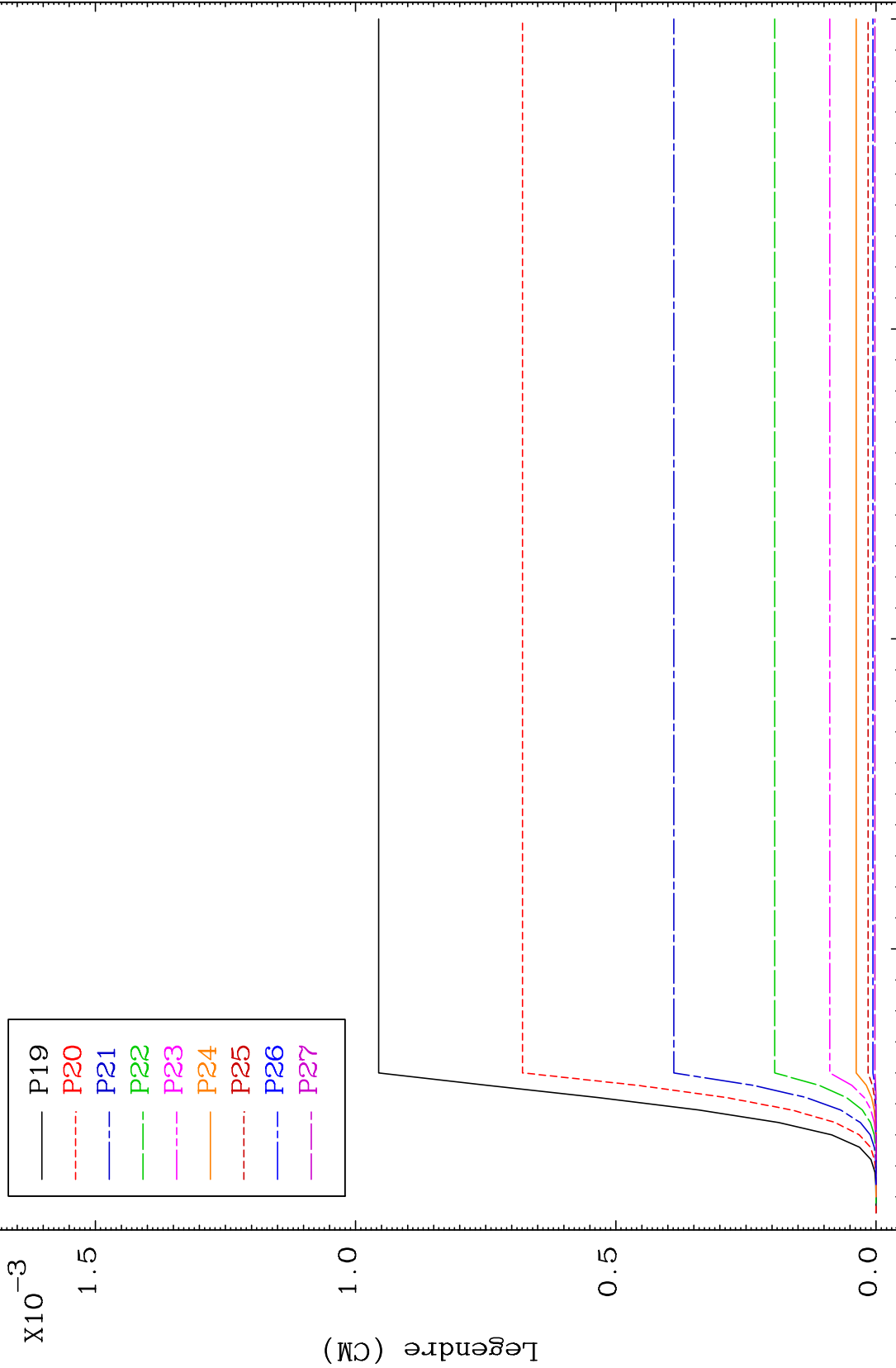
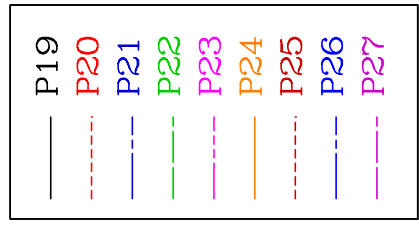
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



50

50

100

150

200

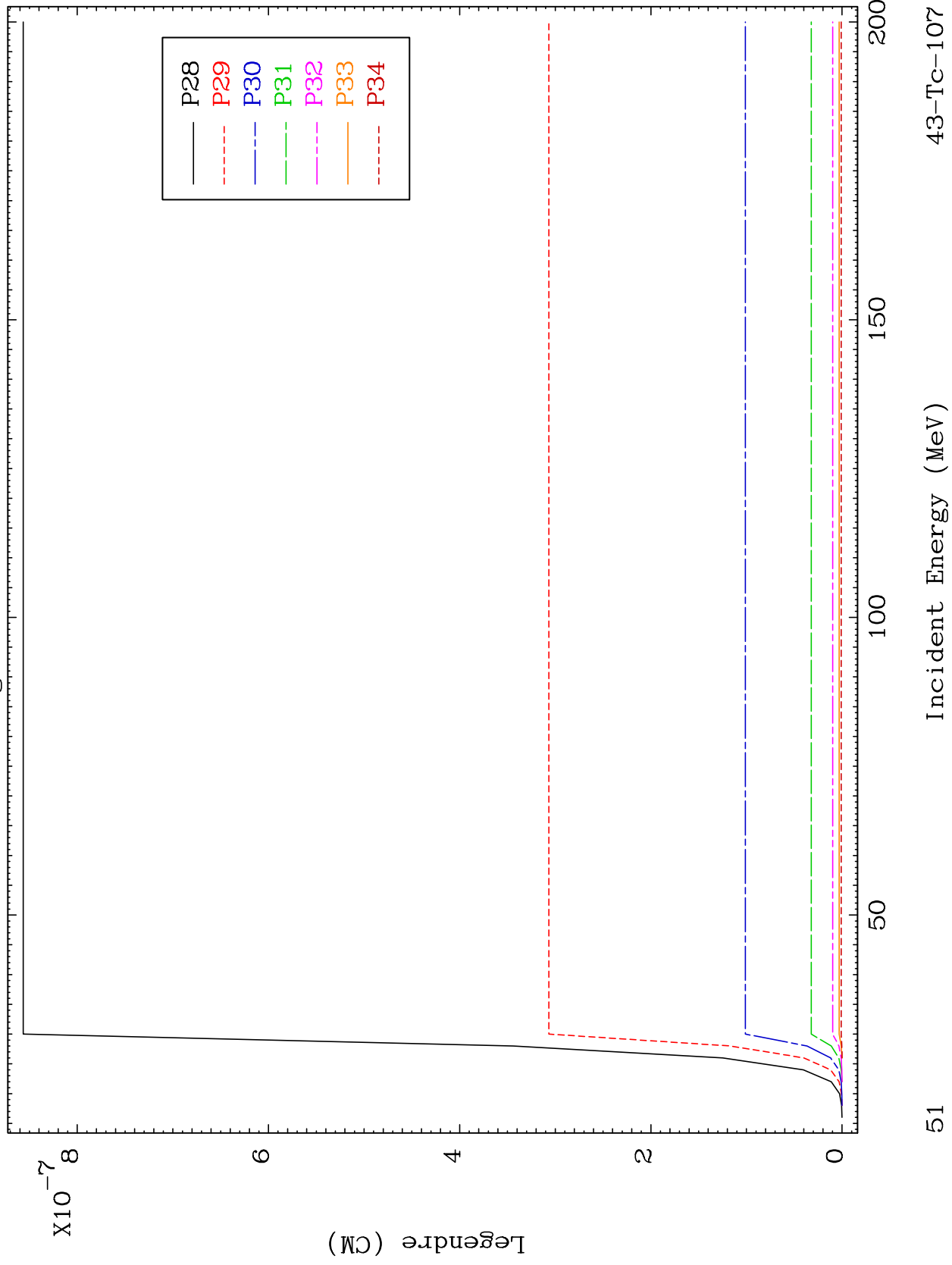
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



51

Incident Energy (MeV)

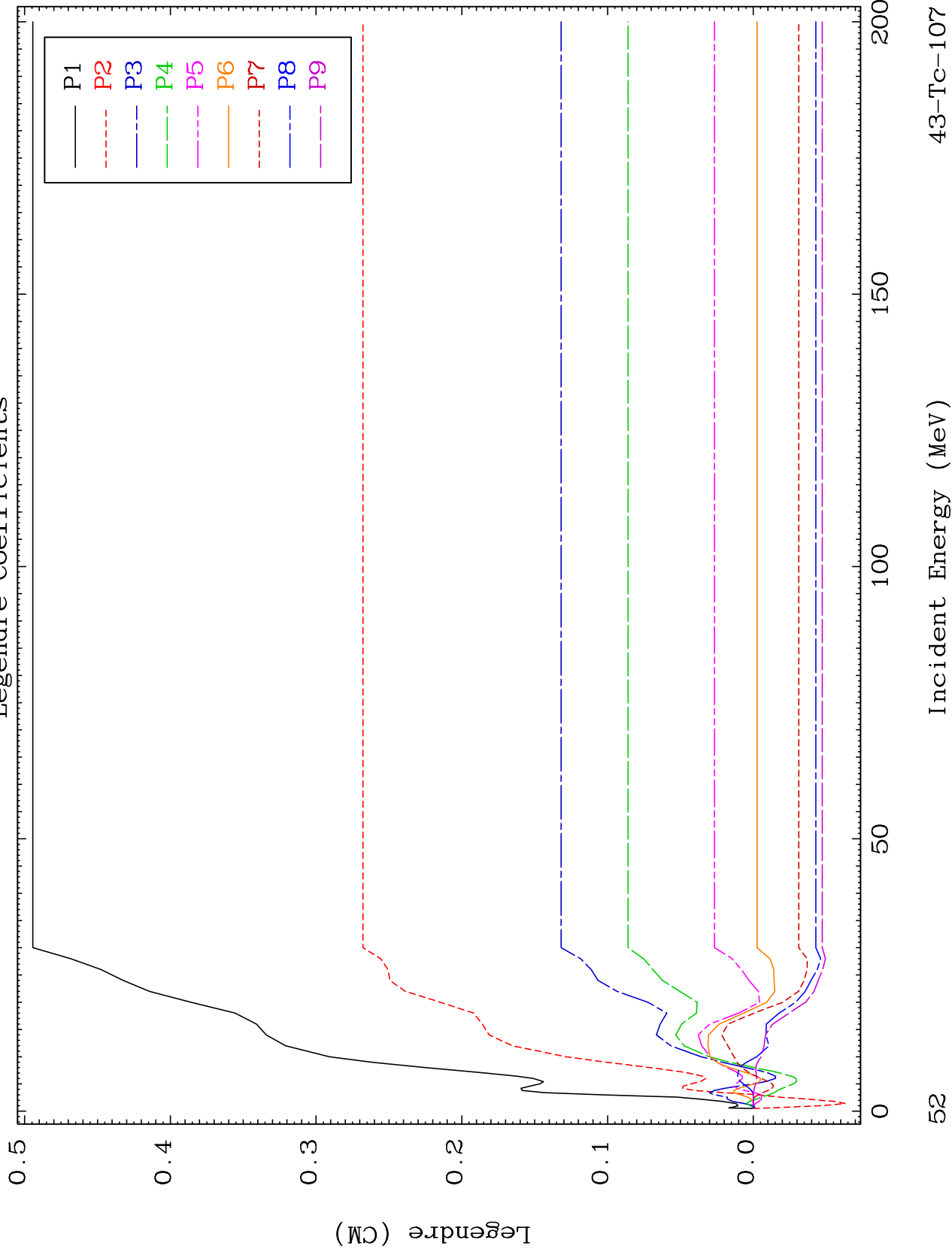
43-Tc-107

MAT 4349

MT= 59 (n,n') Level

43-Tc-107

Legendre Coefficients



52

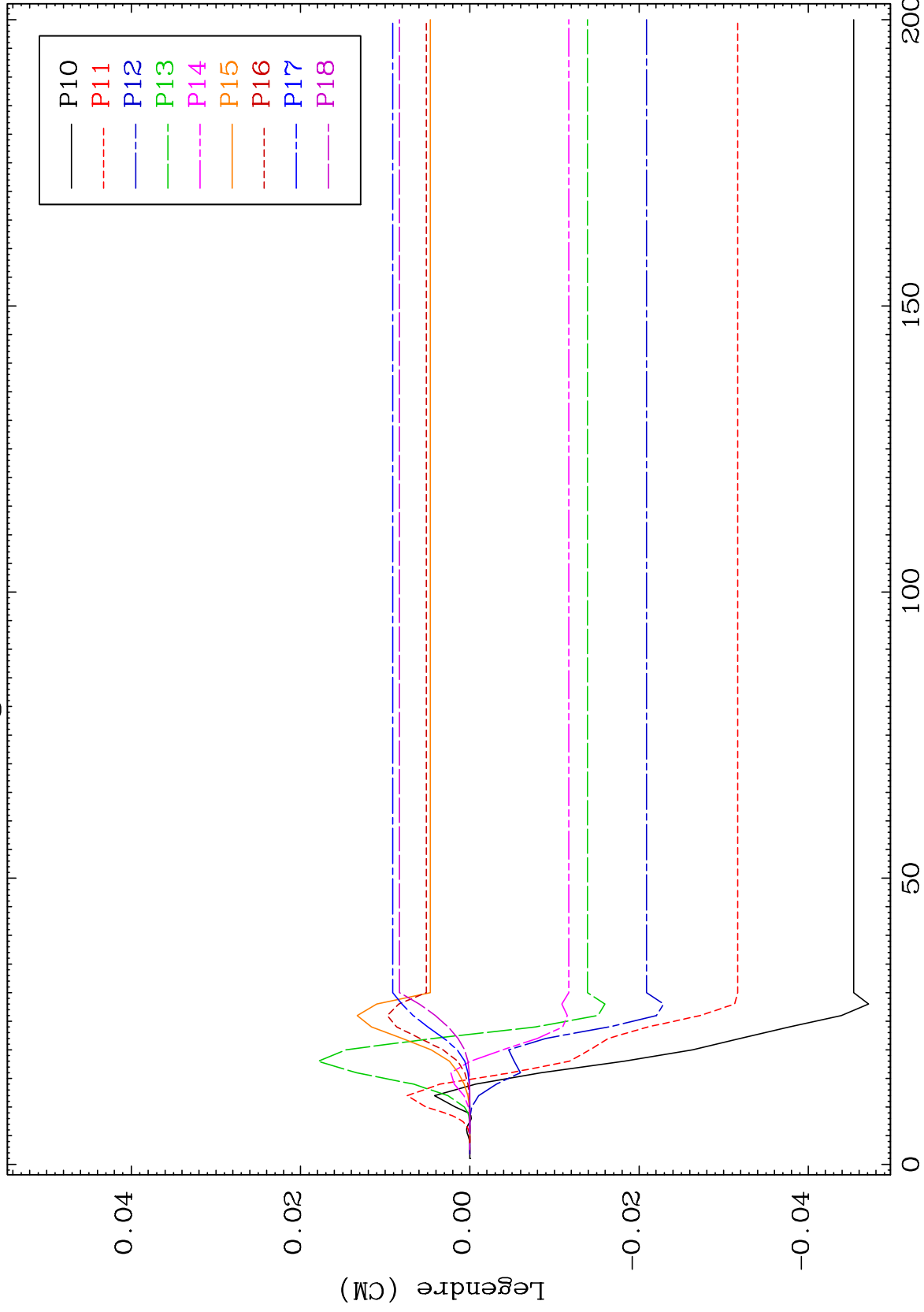
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



53

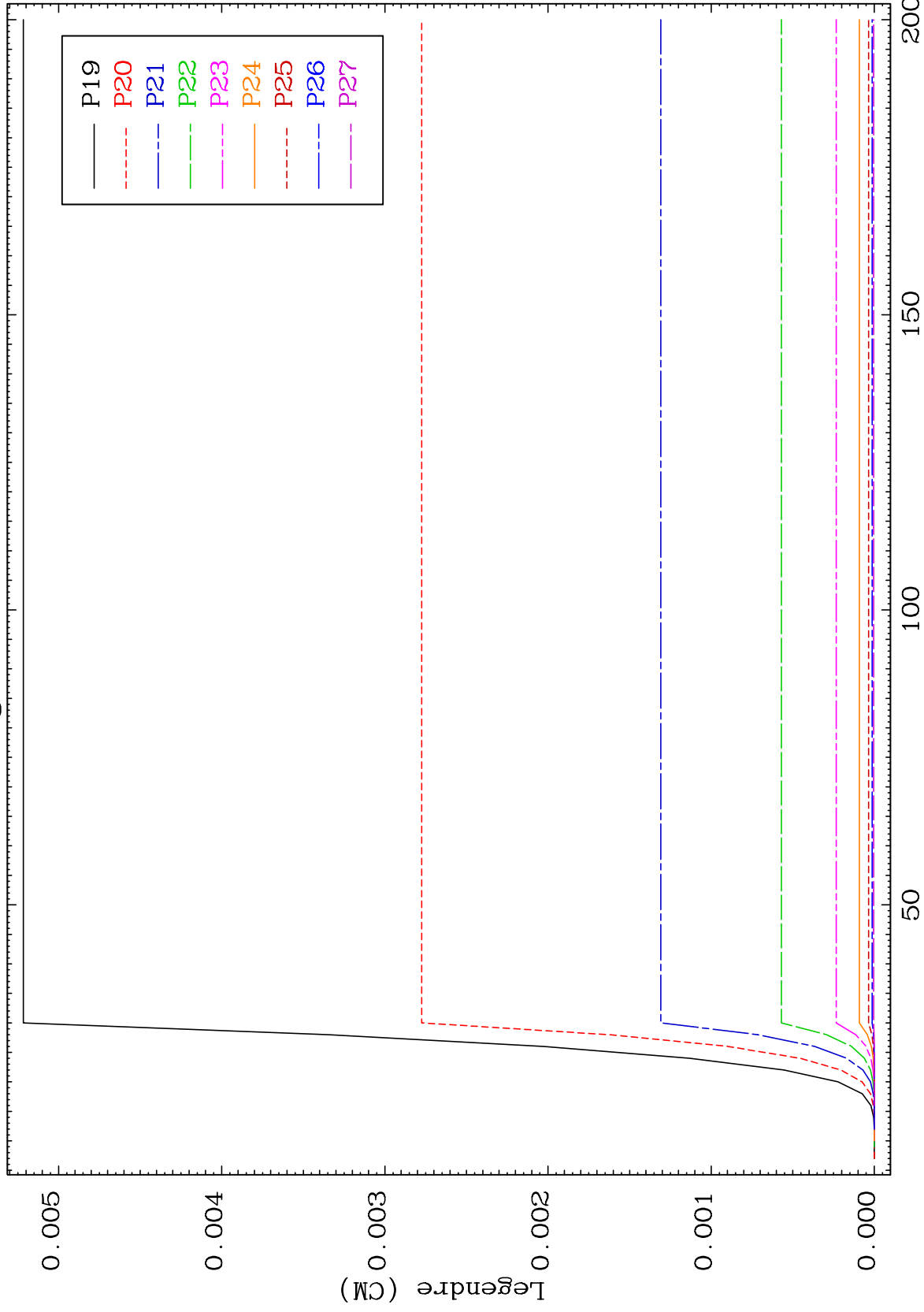
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



54

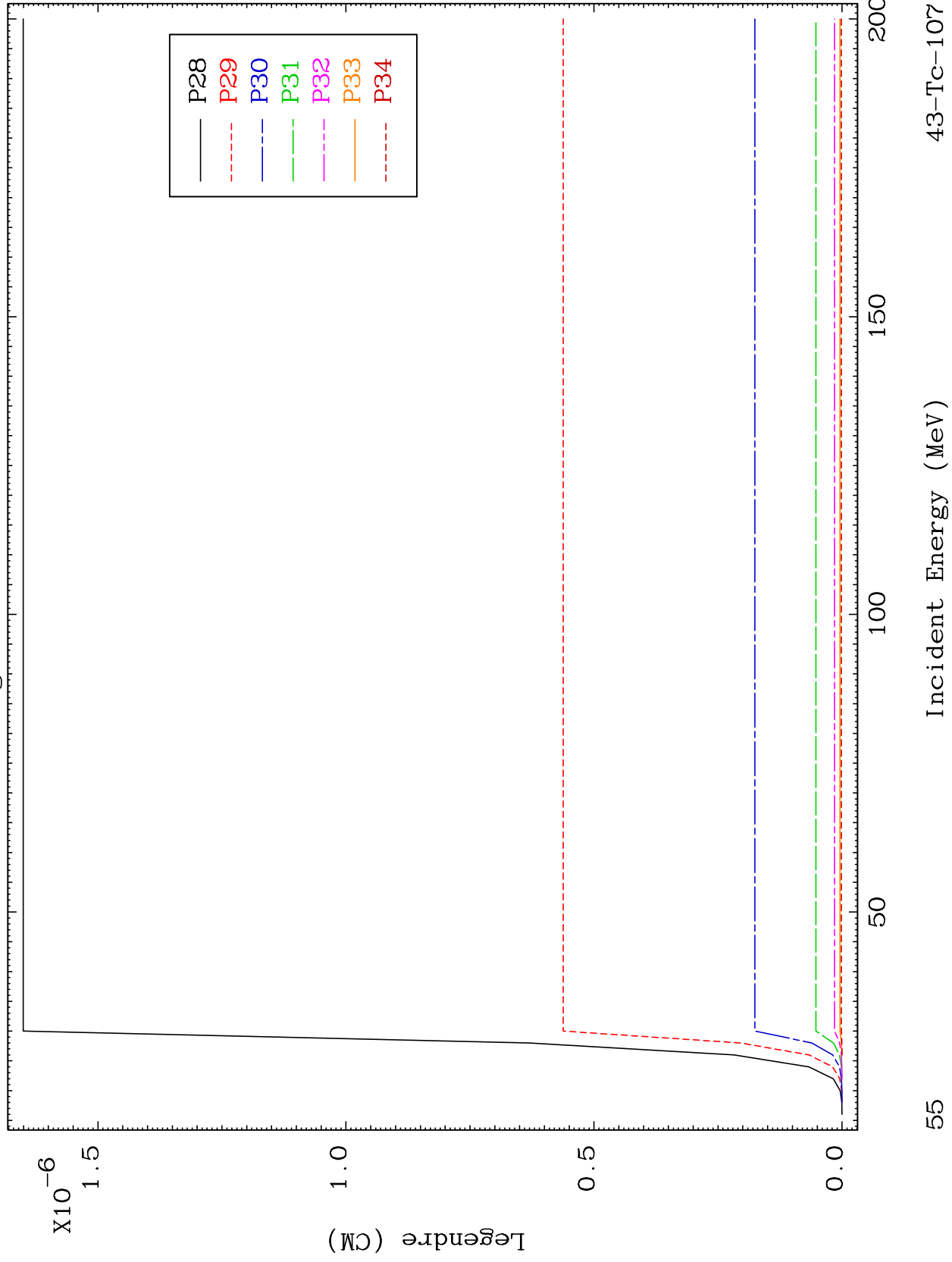
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

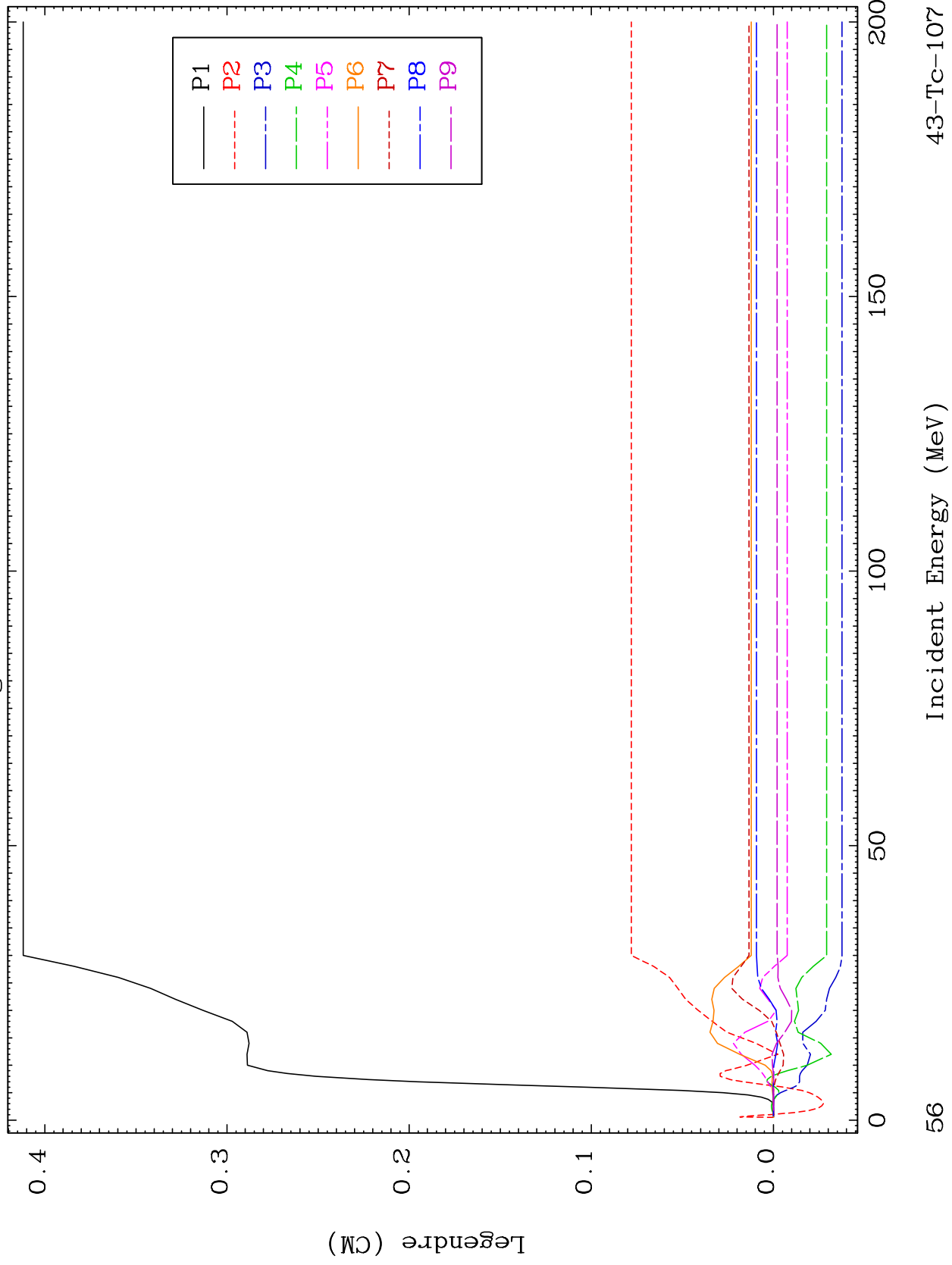
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

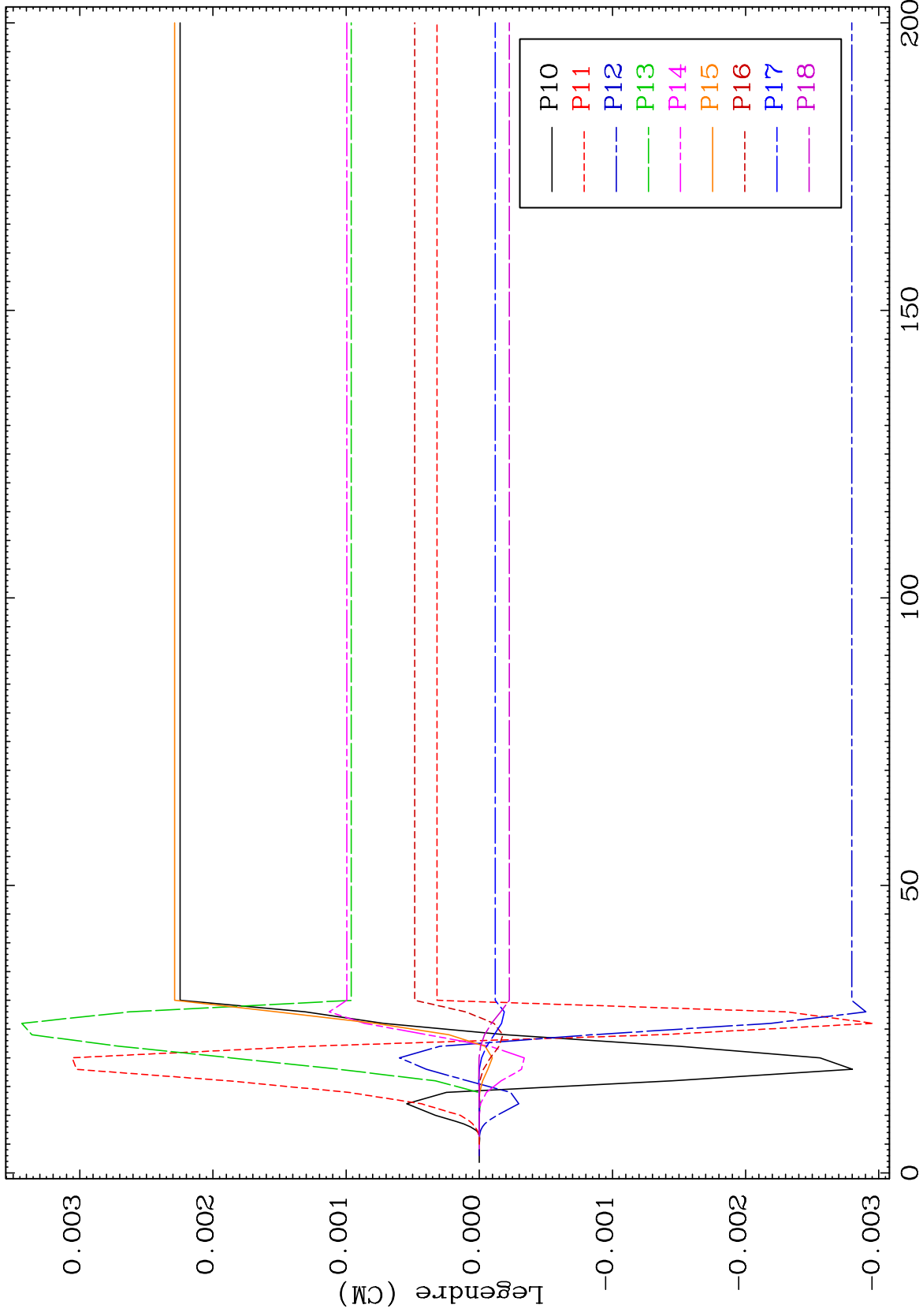
Incident Energy (MeV)

56

MAT 4349

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

43-Tc-107



57

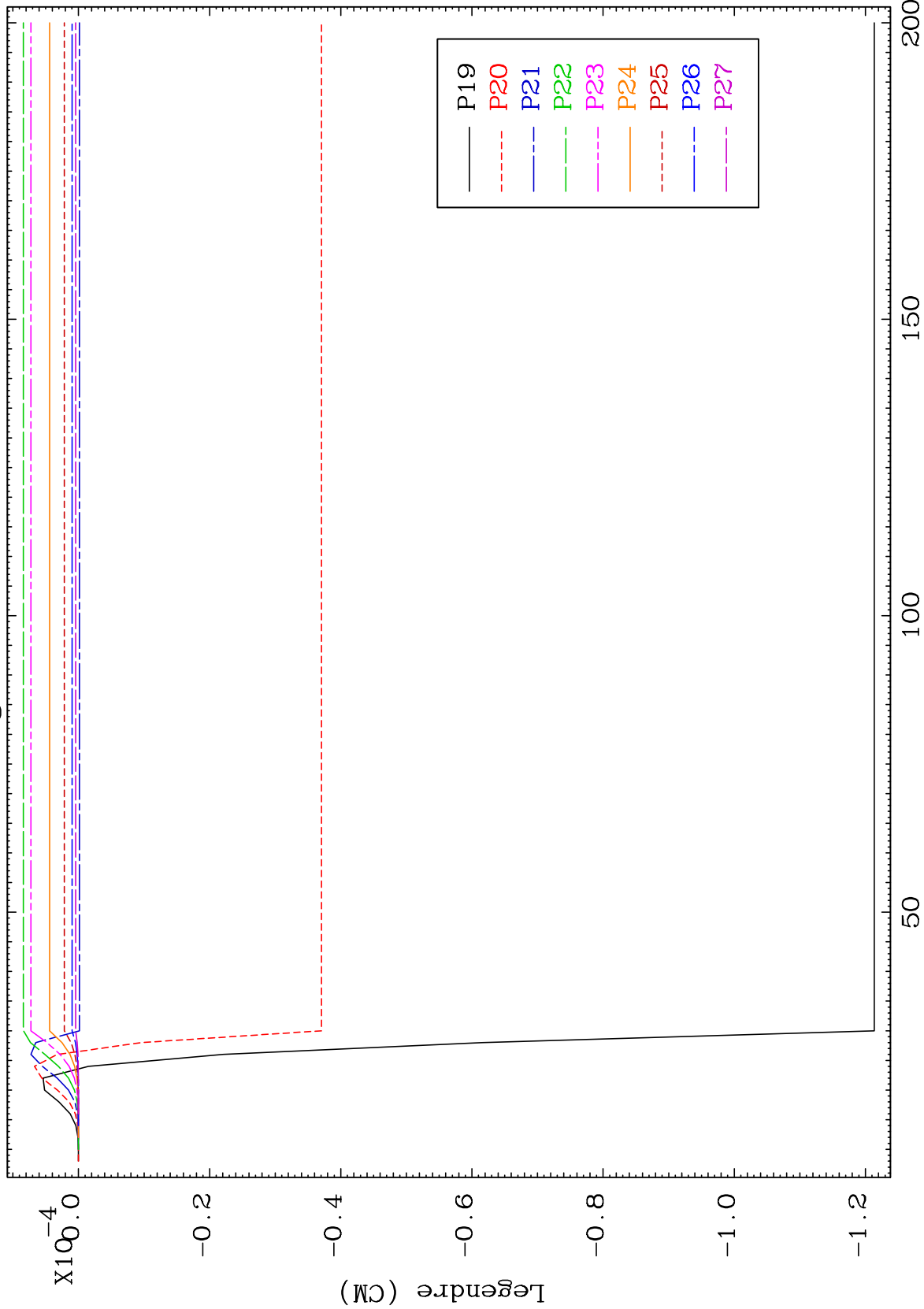
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



58

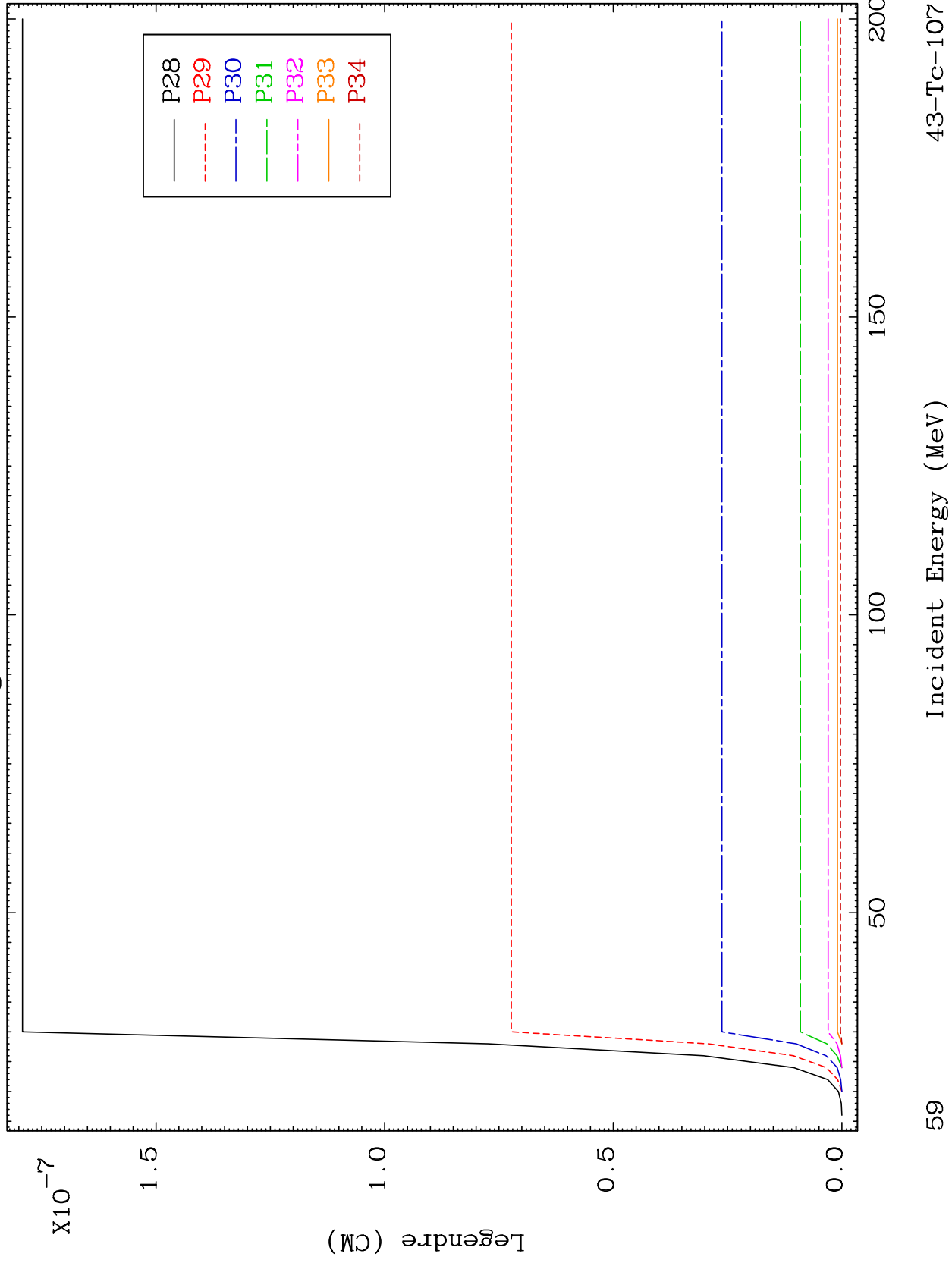
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



59

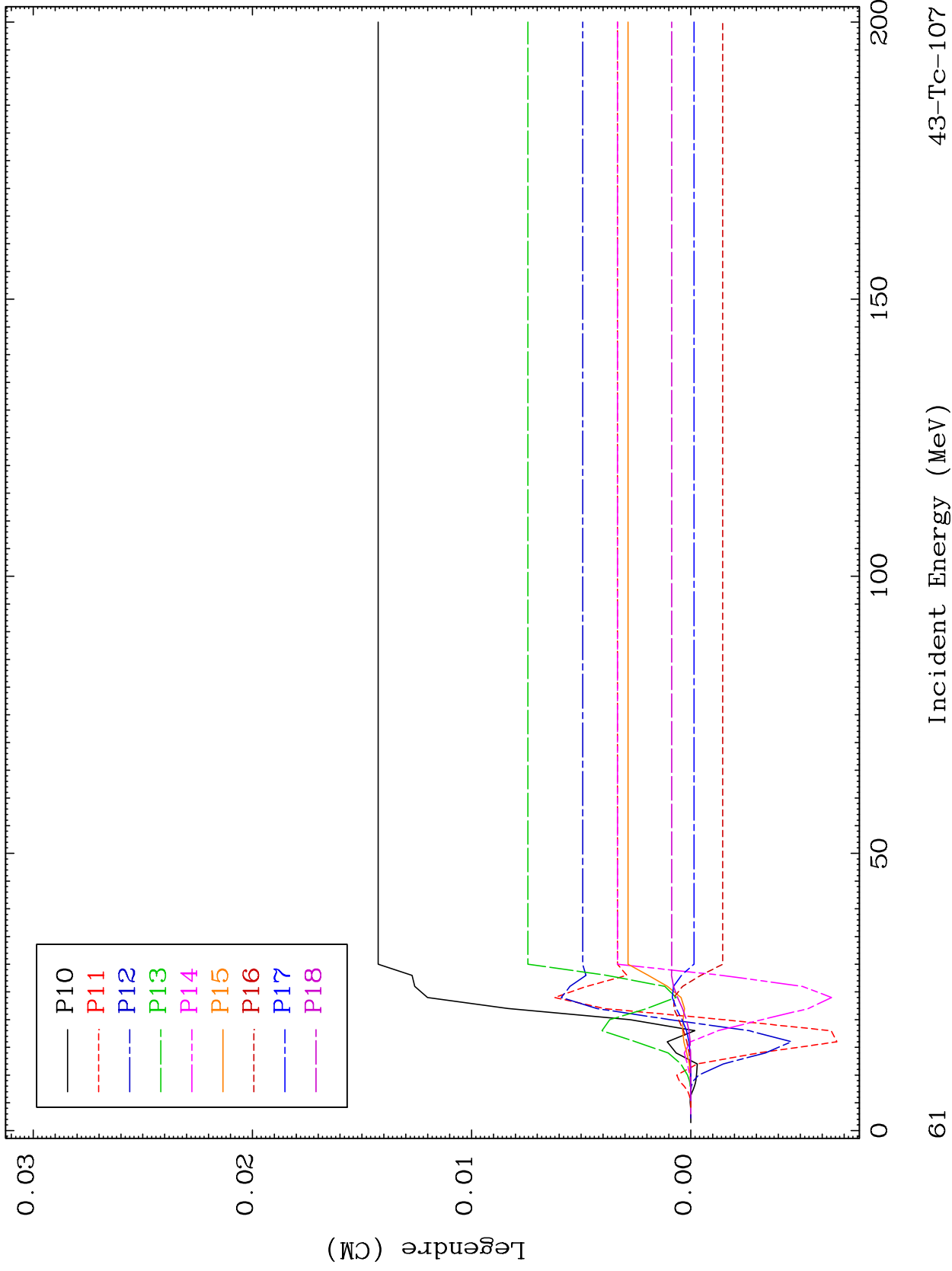
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



61

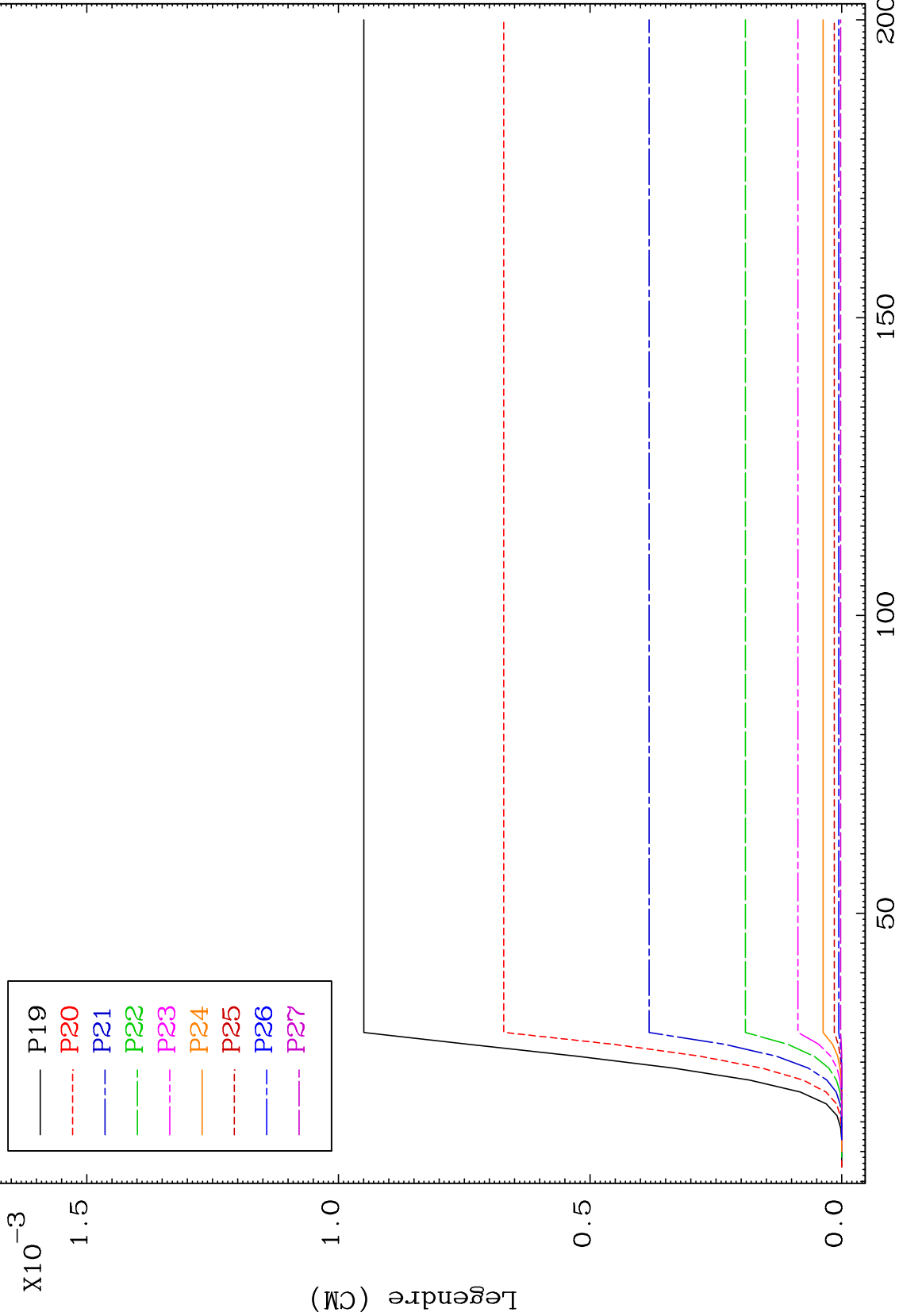
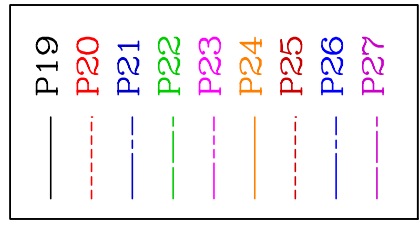
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



62

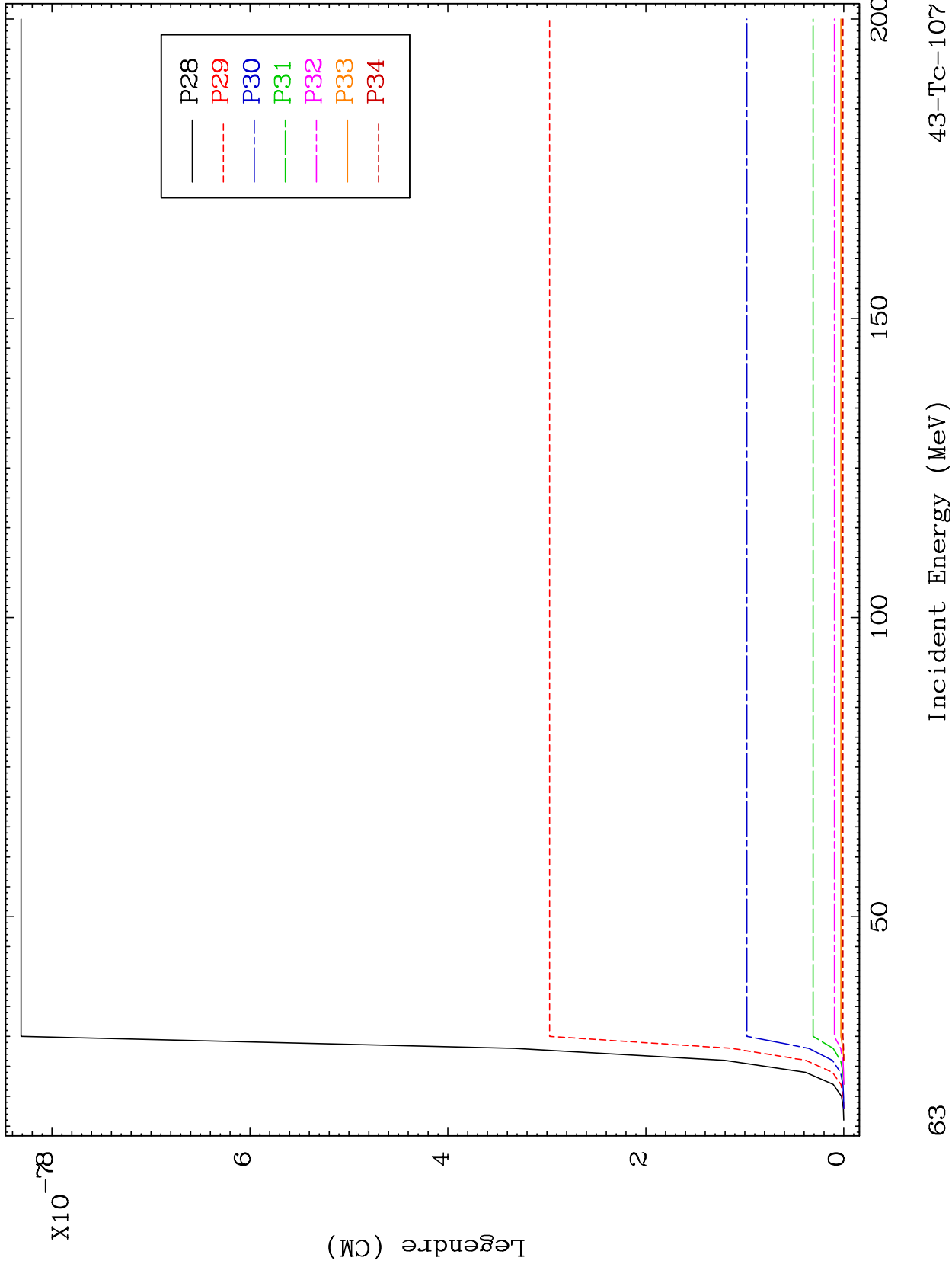
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

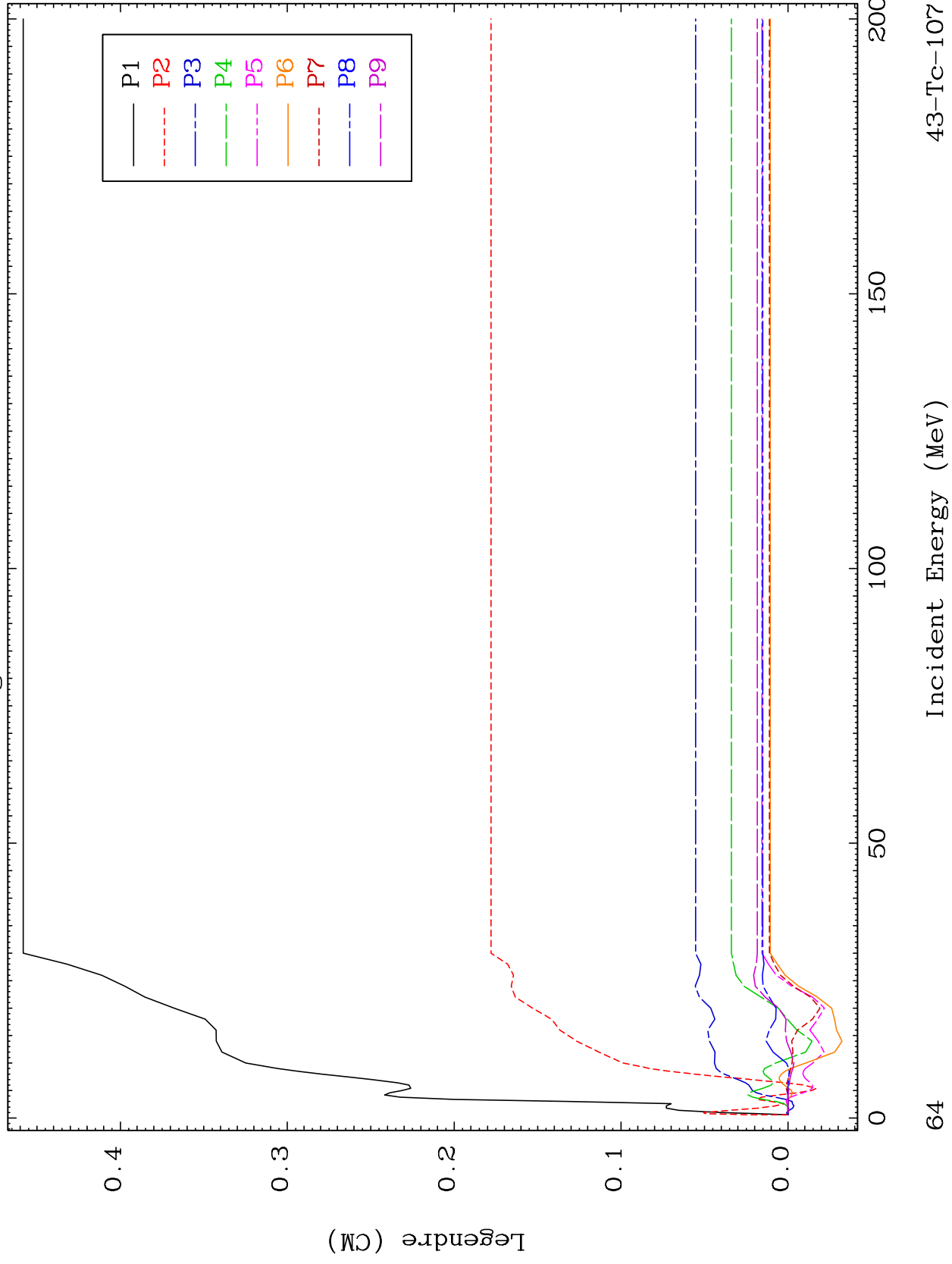
43-Tc-107



MAT 4349

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

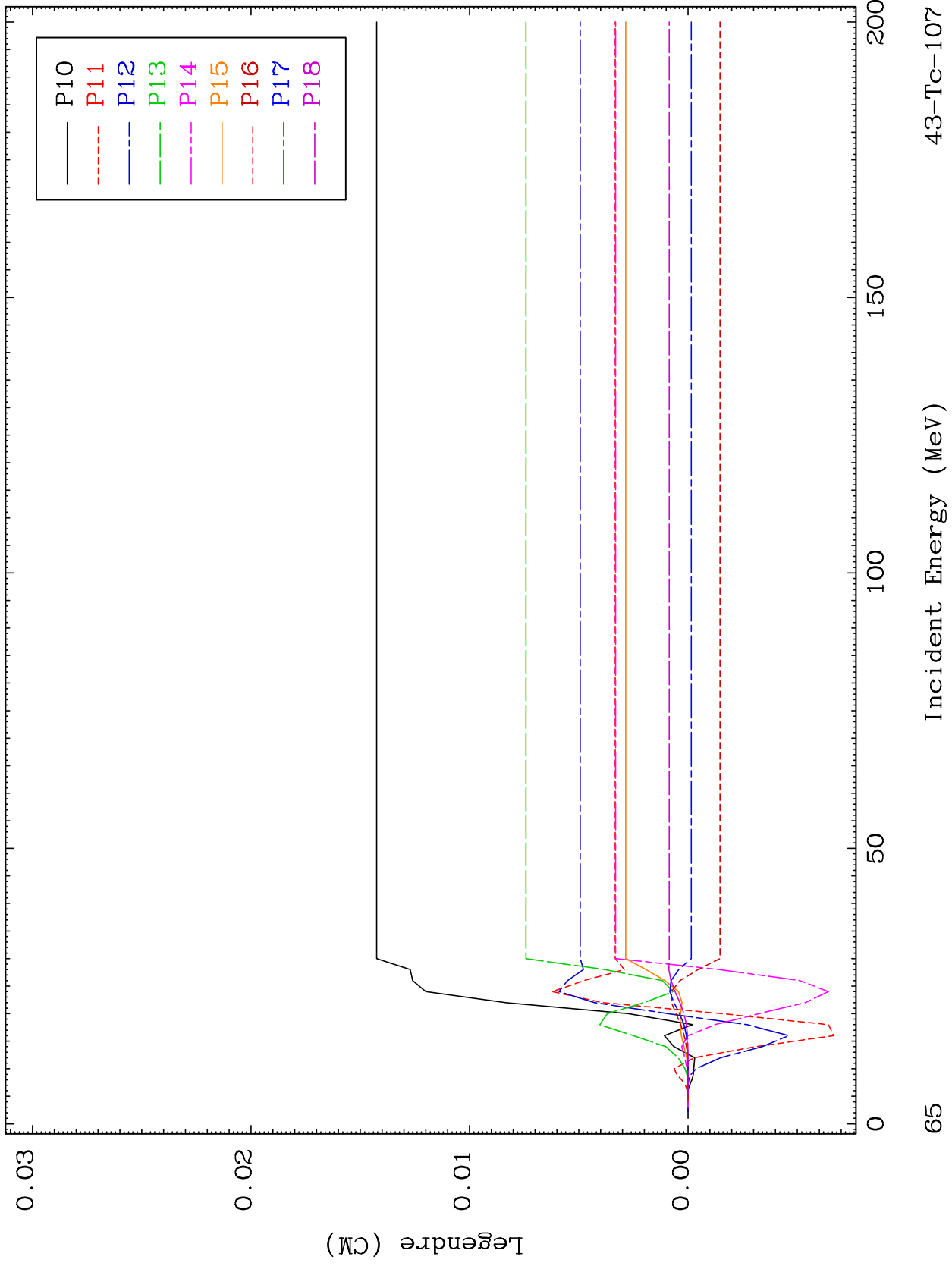
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

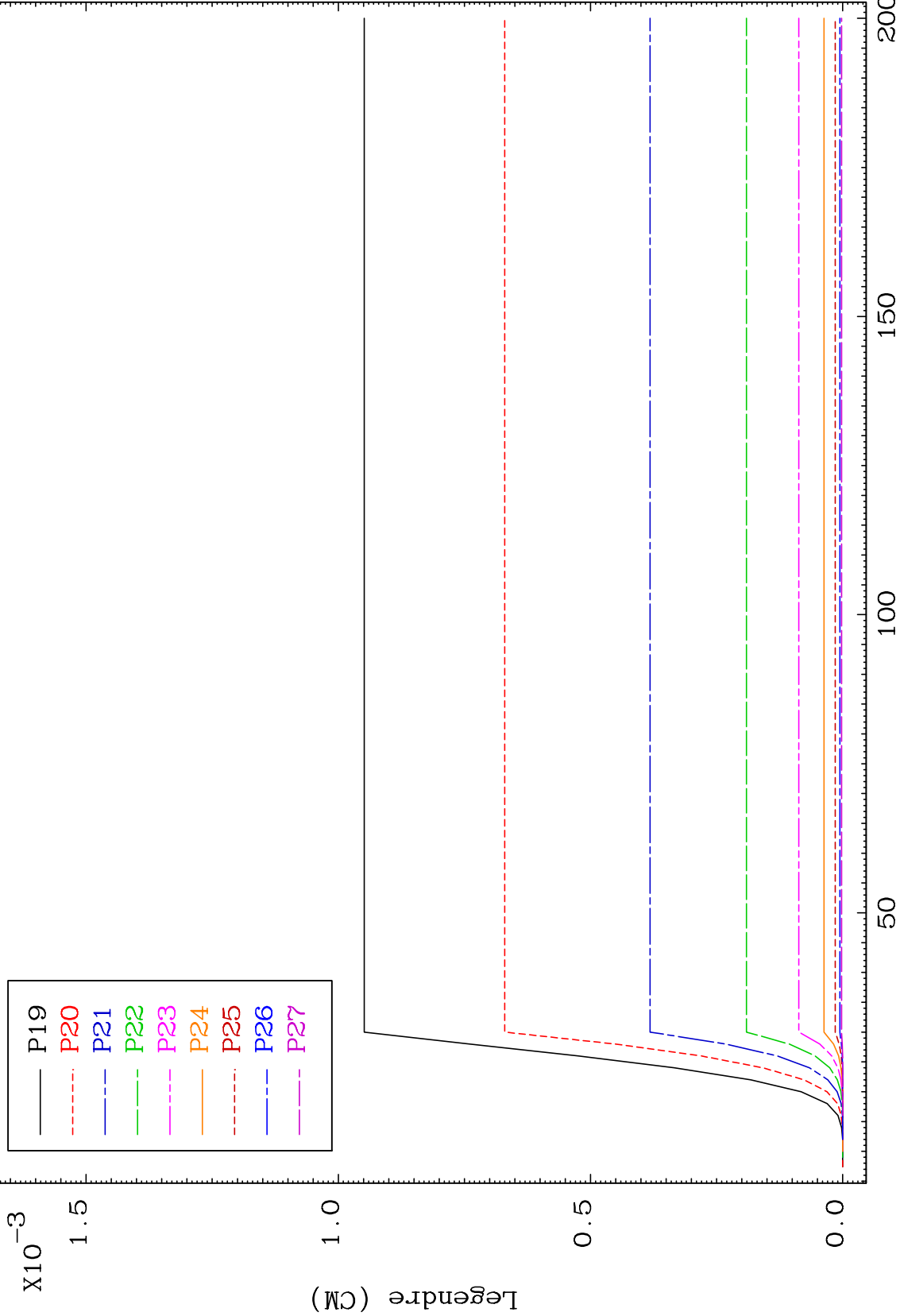
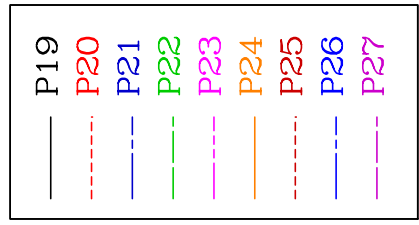
Incident Energy (MeV)

65

MAT 4349

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

43-Tc-107



66

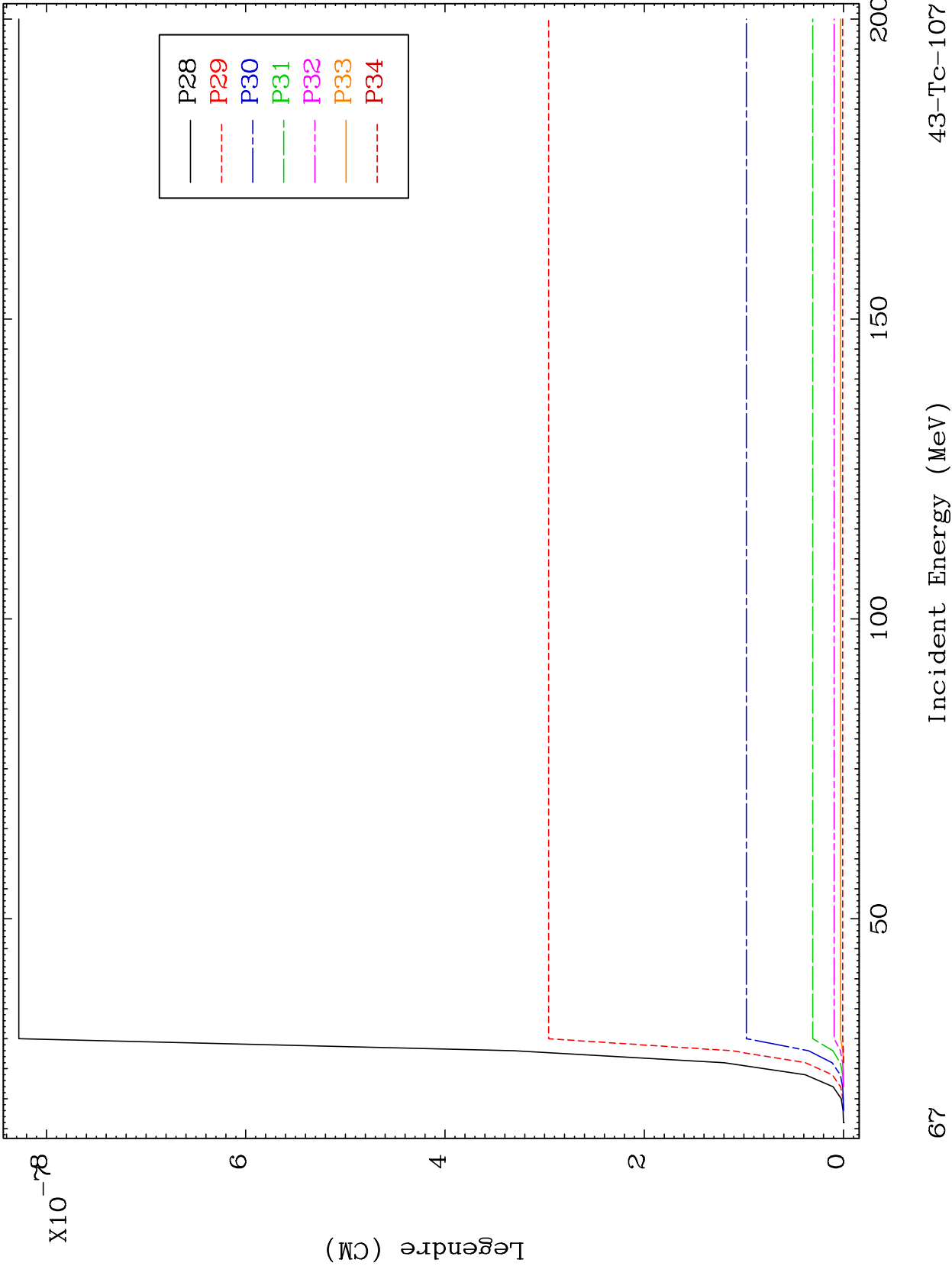
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

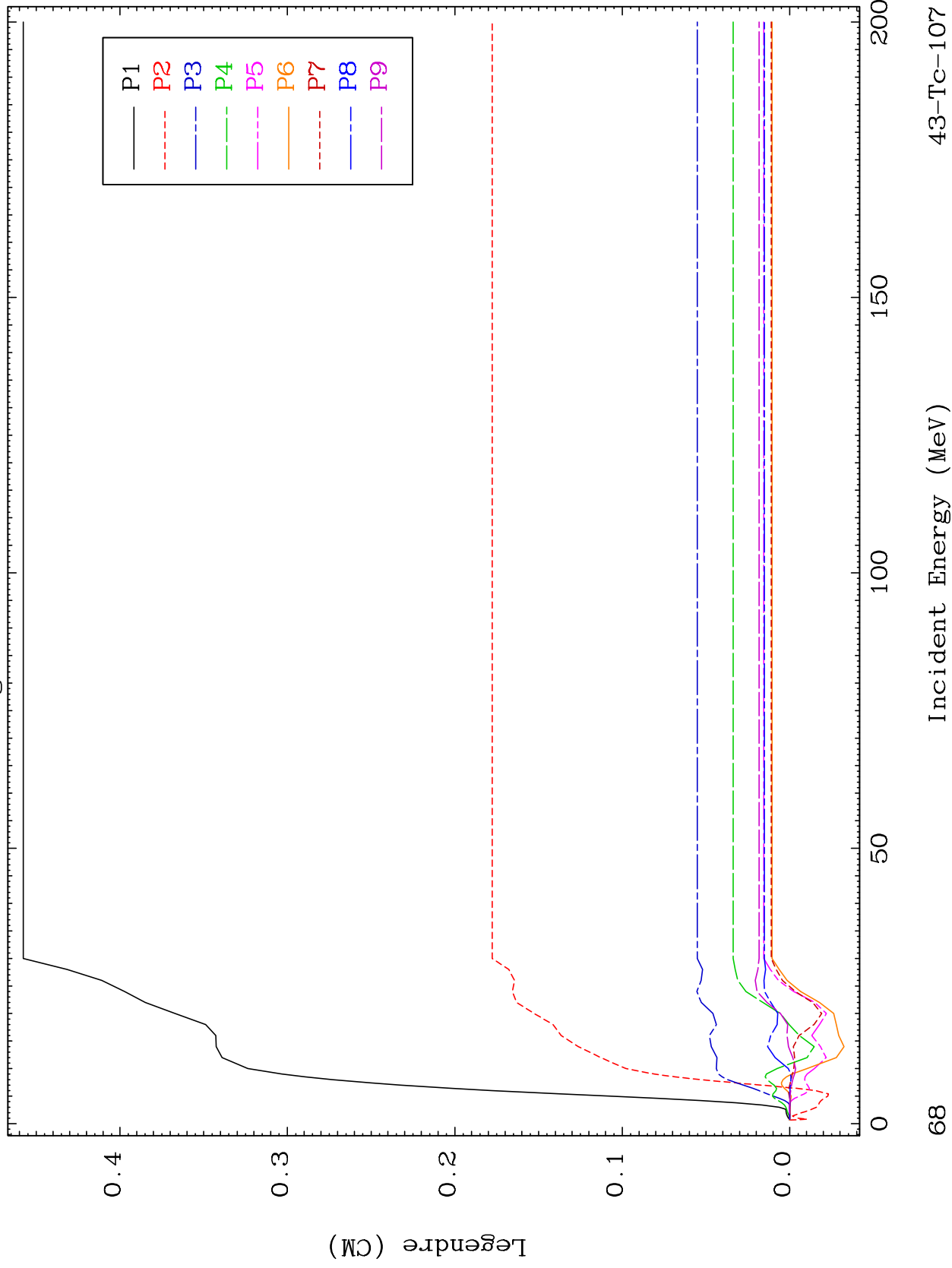
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

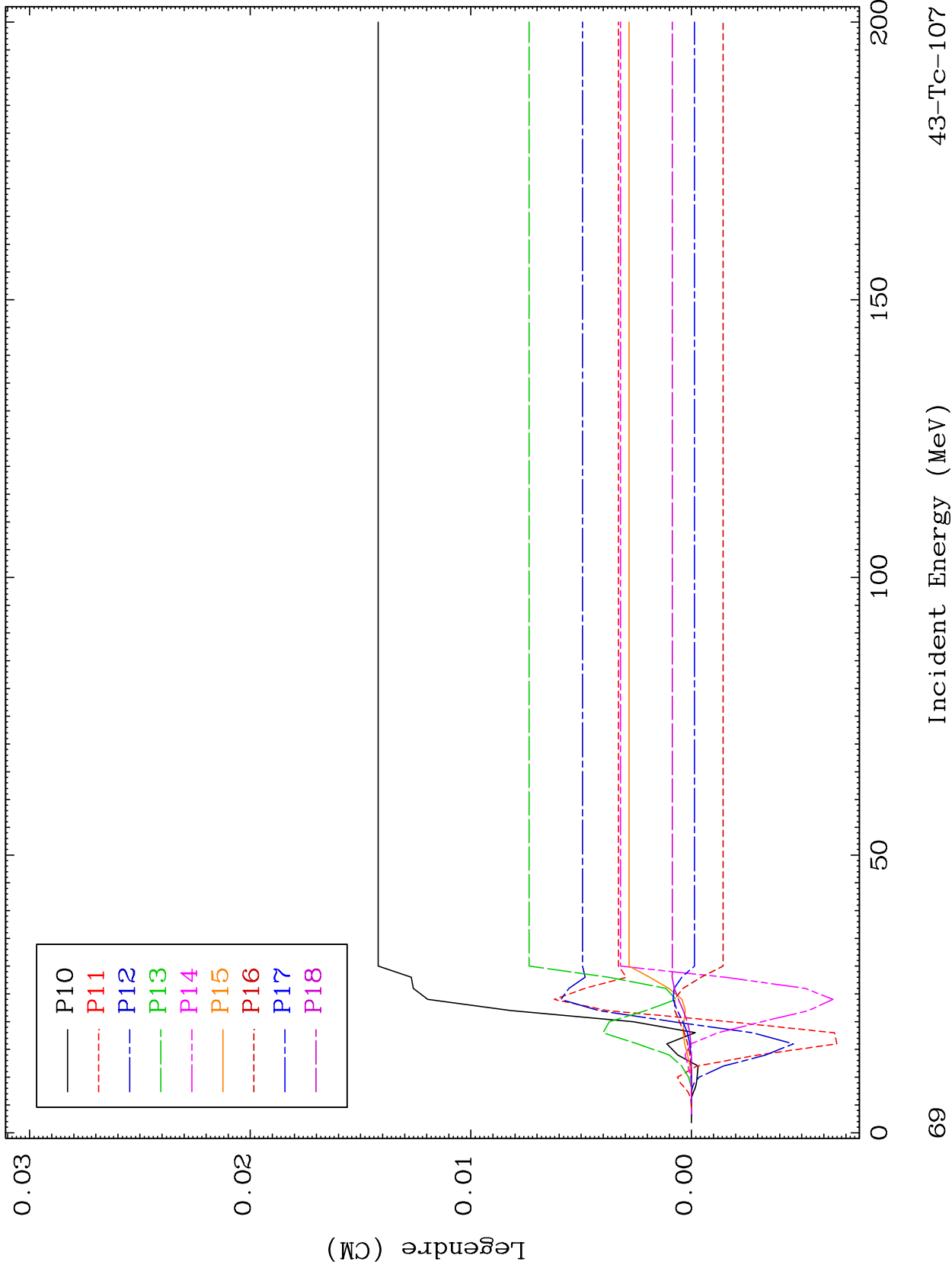
Incident Energy (MeV)

68

MAT 4349

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

43-Tc-107



69

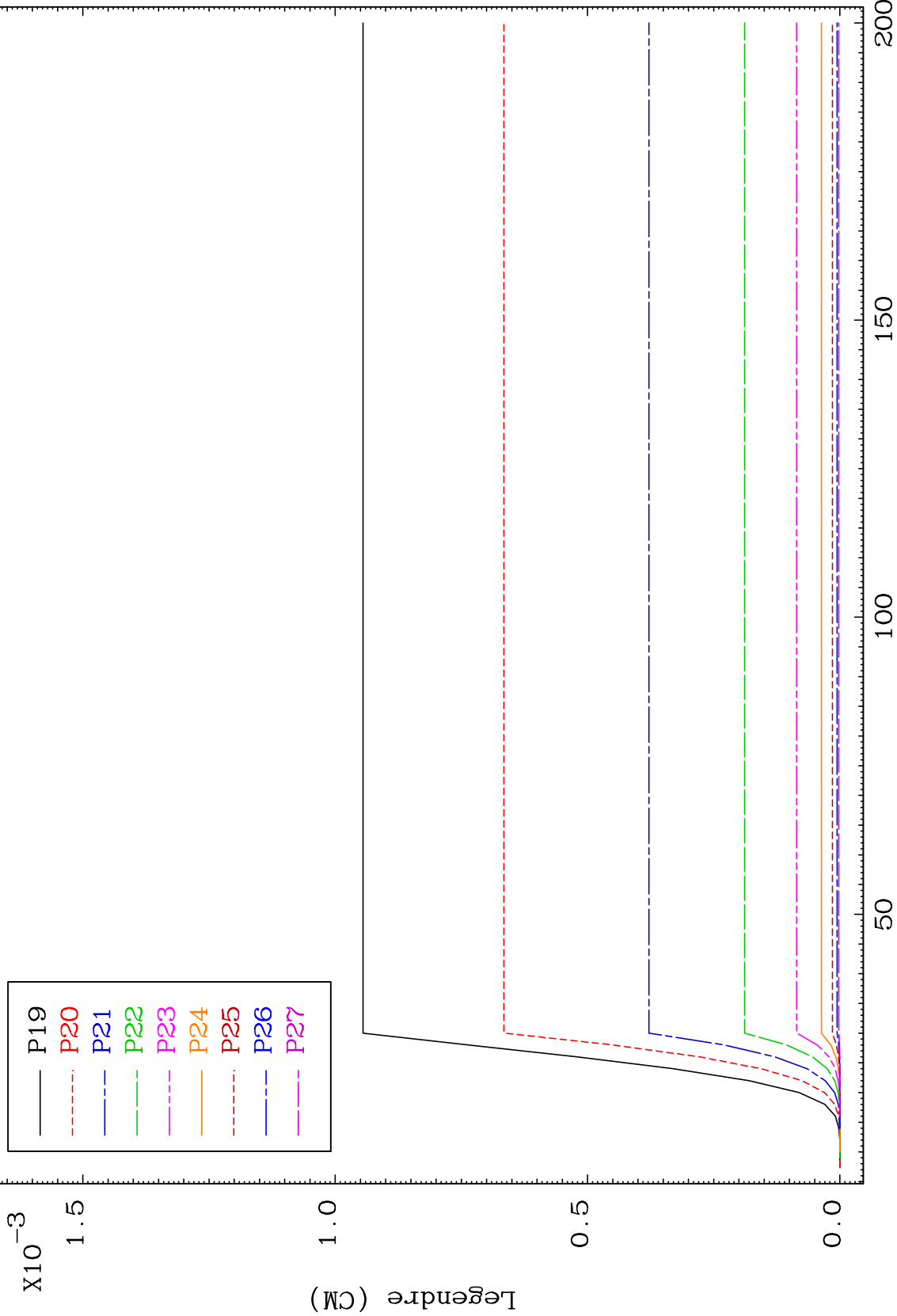
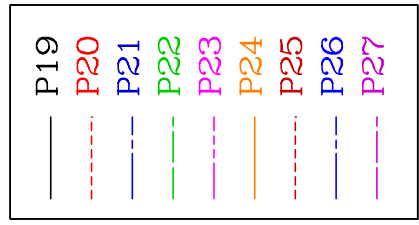
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



70

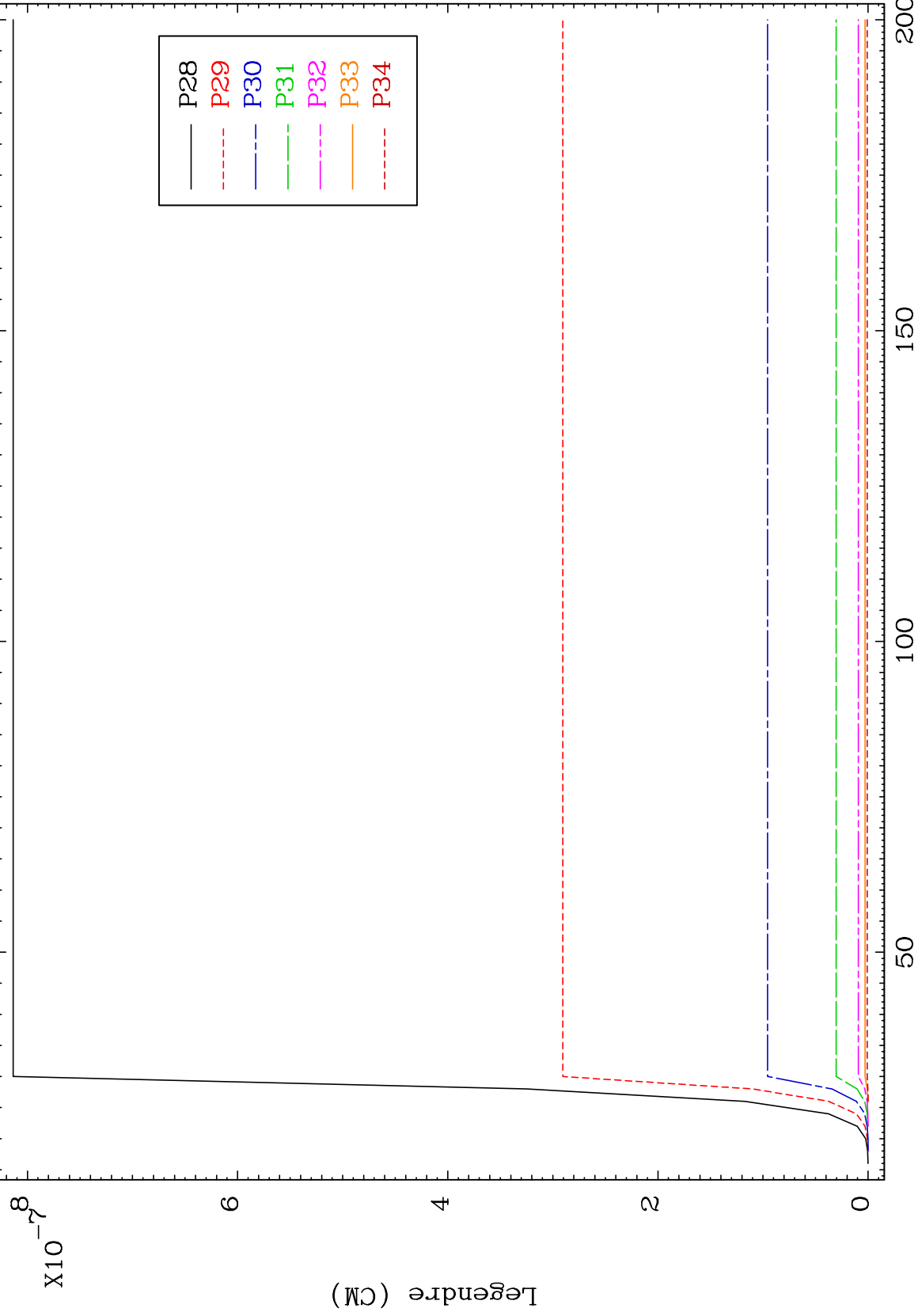
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



71

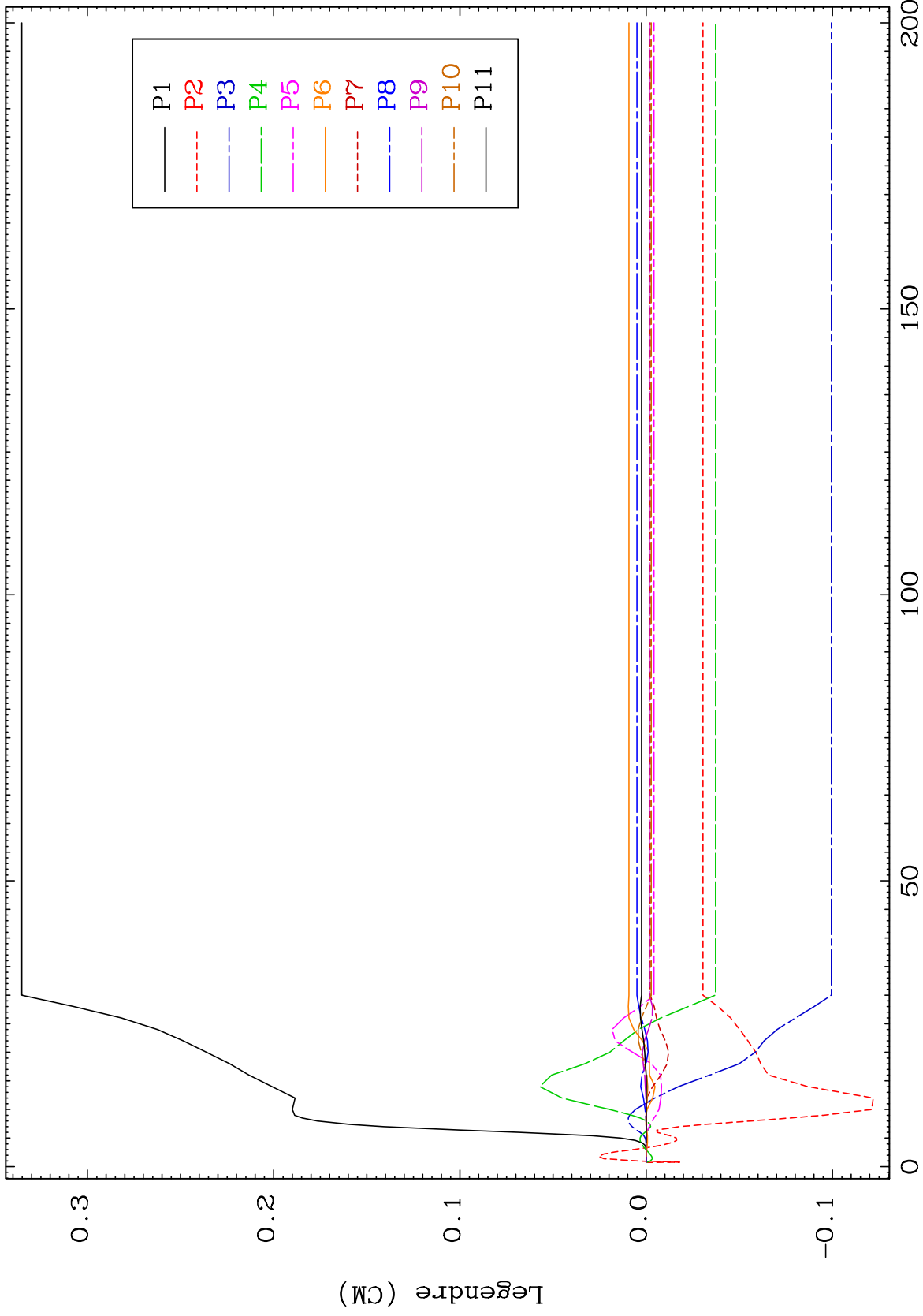
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



72

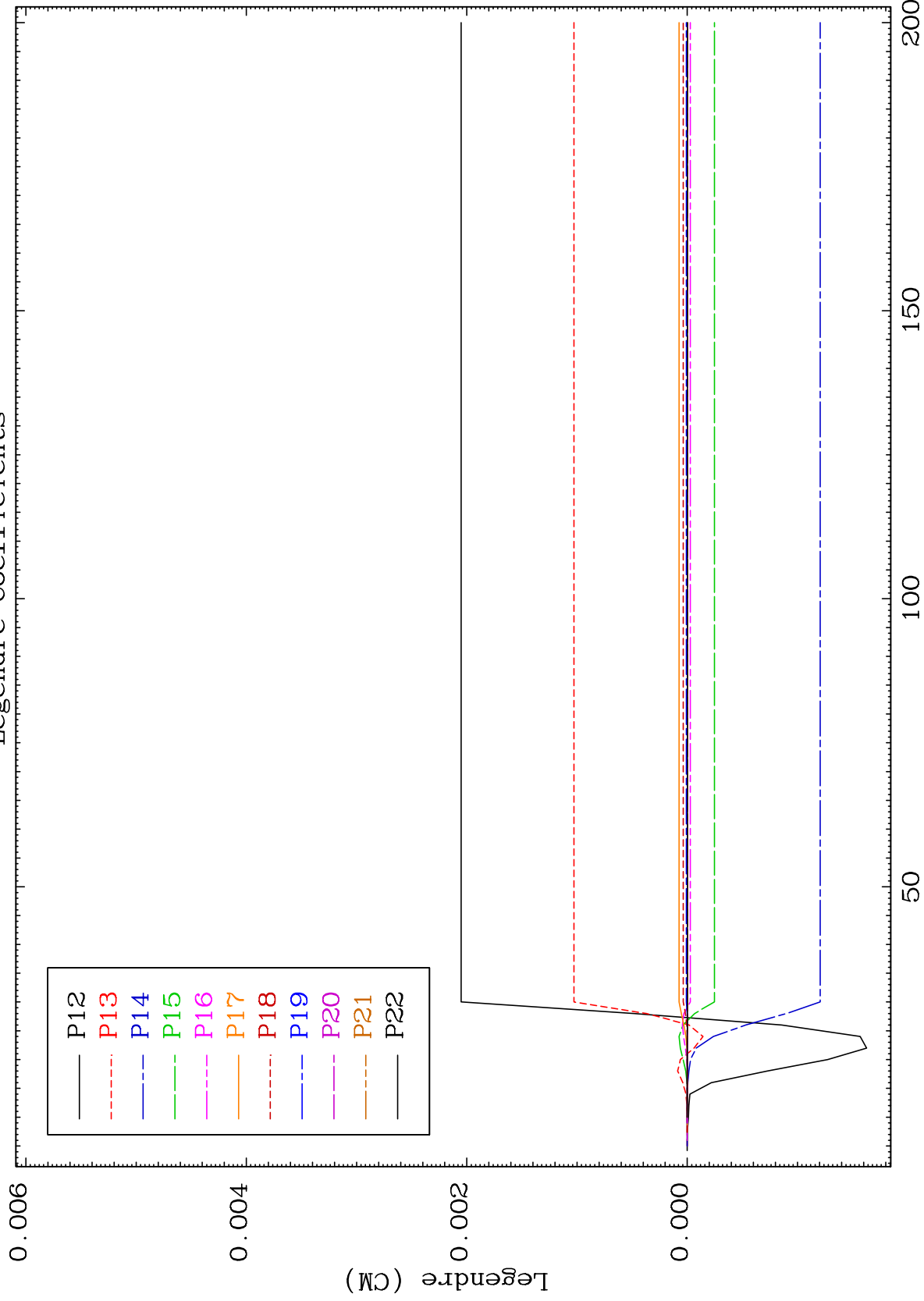
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



73

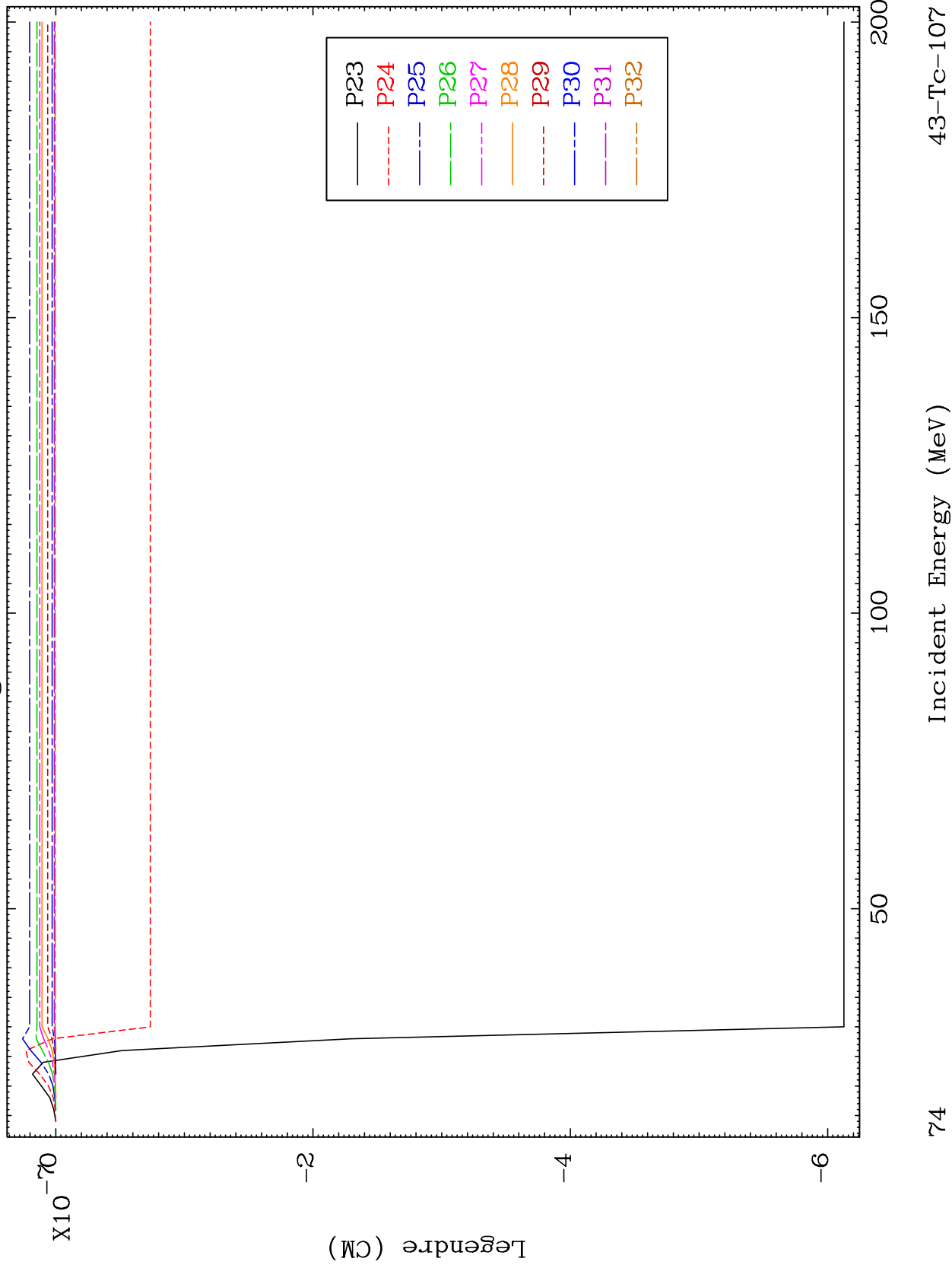
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

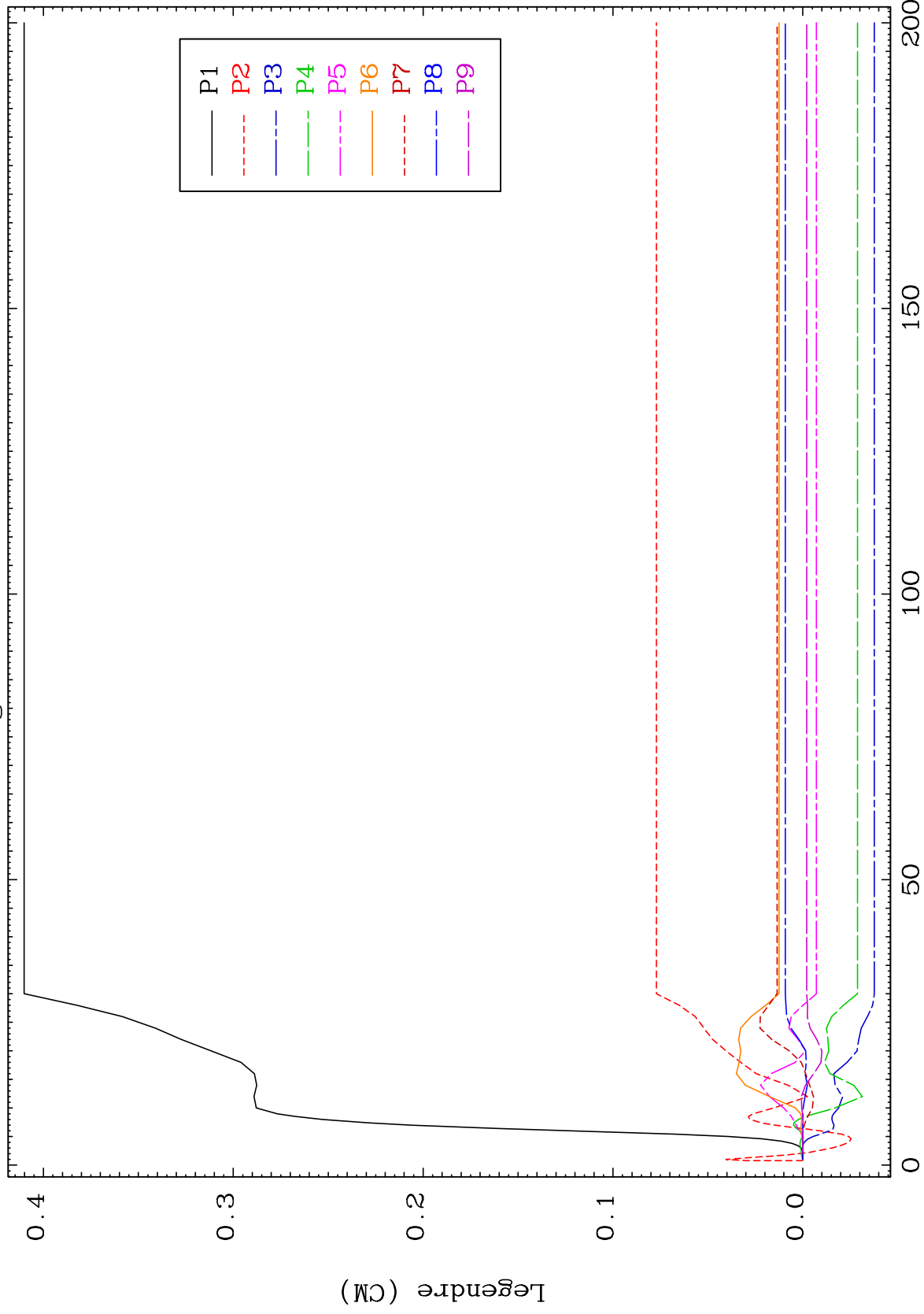
43-Tc-107



MAT 4349

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

43-Tc-107



75

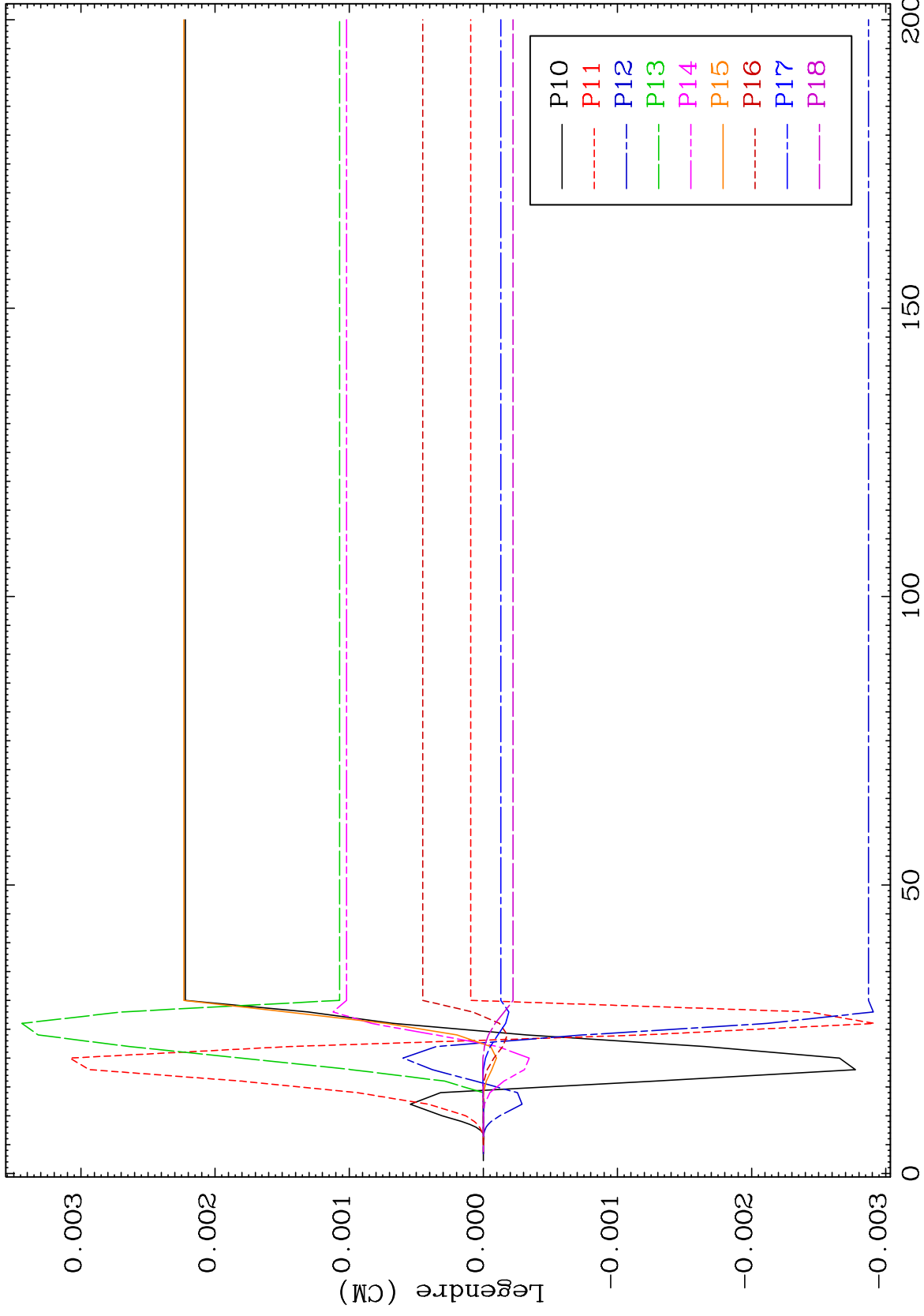
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

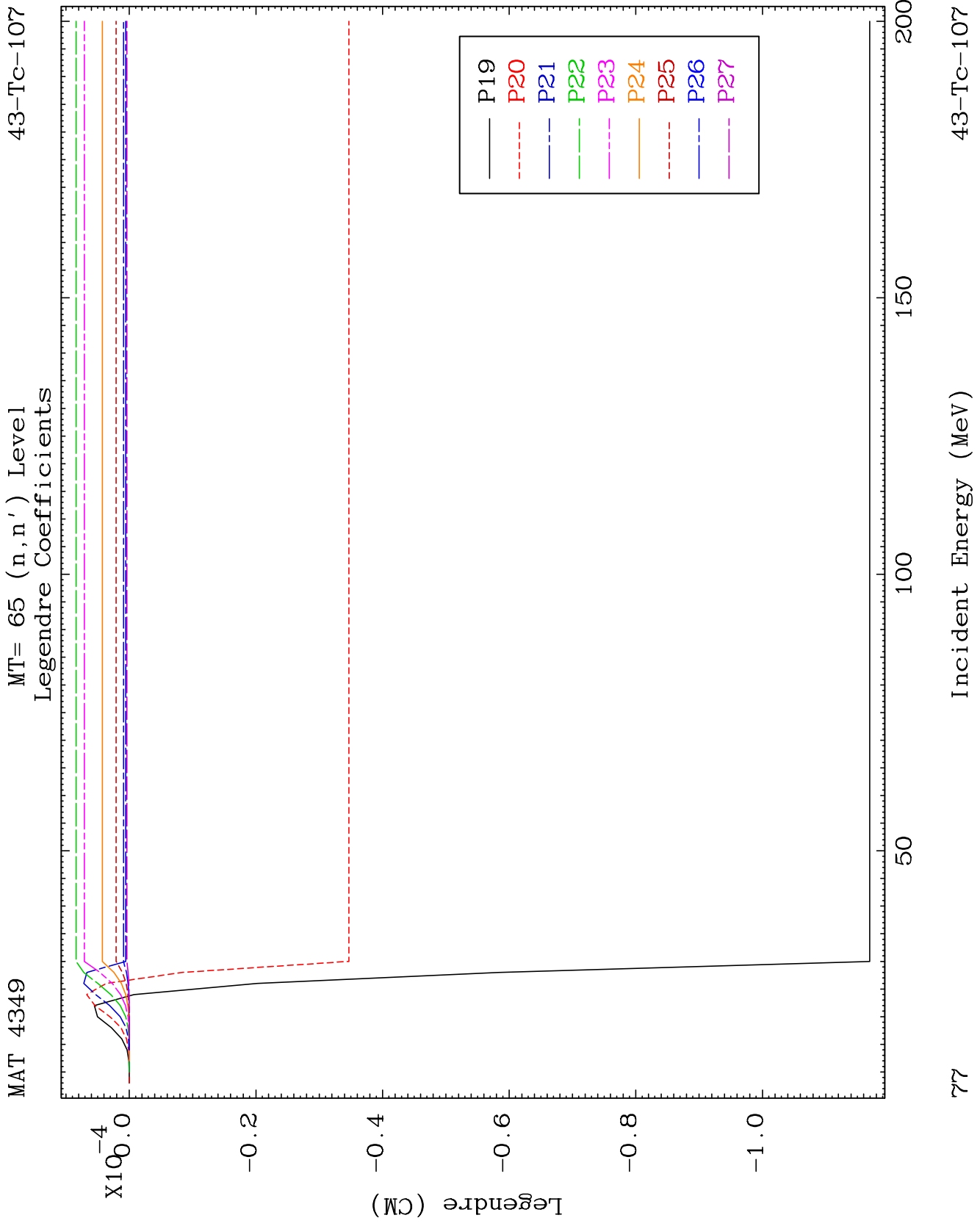
43-Tc-107



76

Incident Energy (MeV)

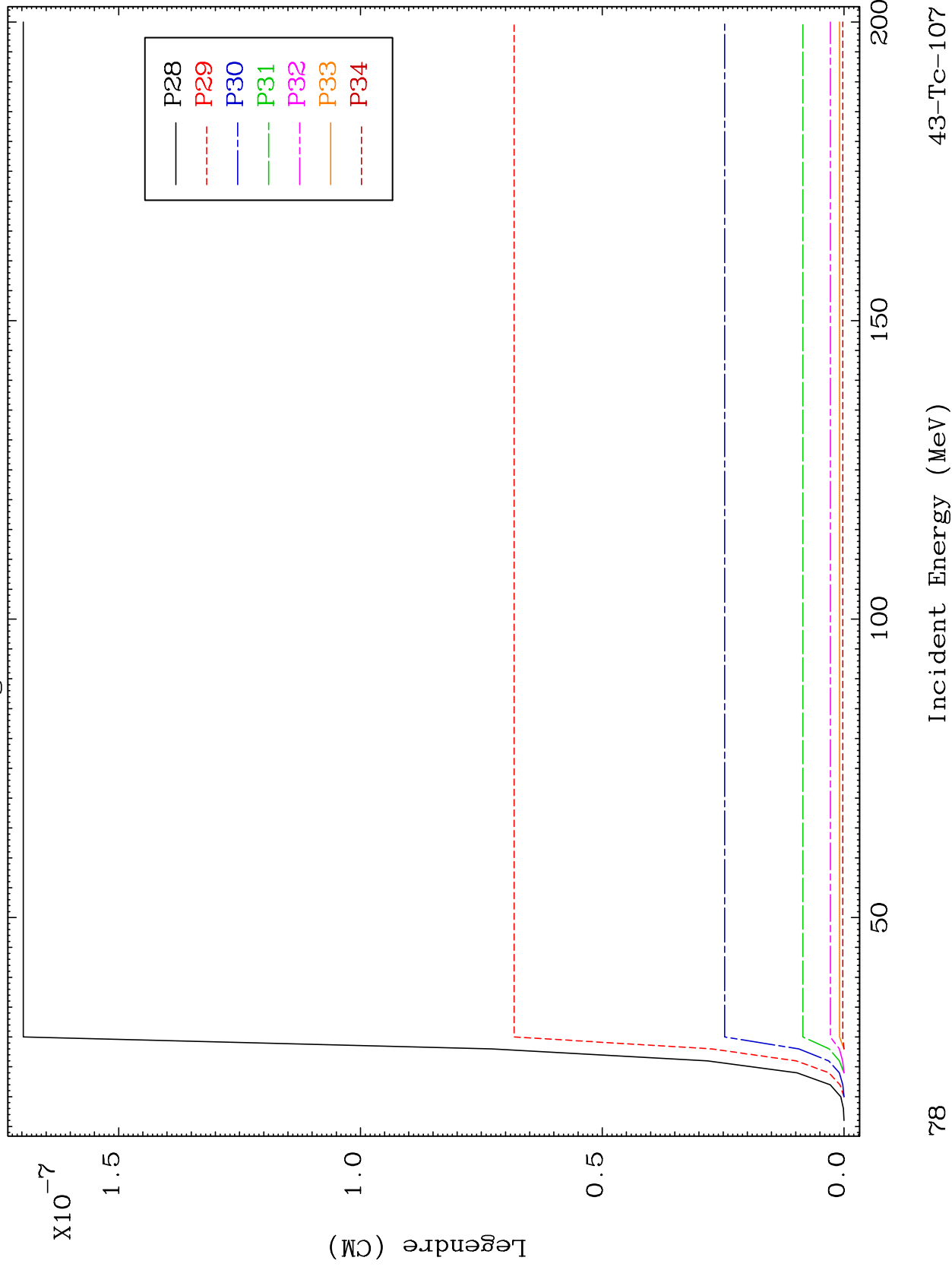
43-Tc-107



MAT 4349

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

43-Tc-107



78

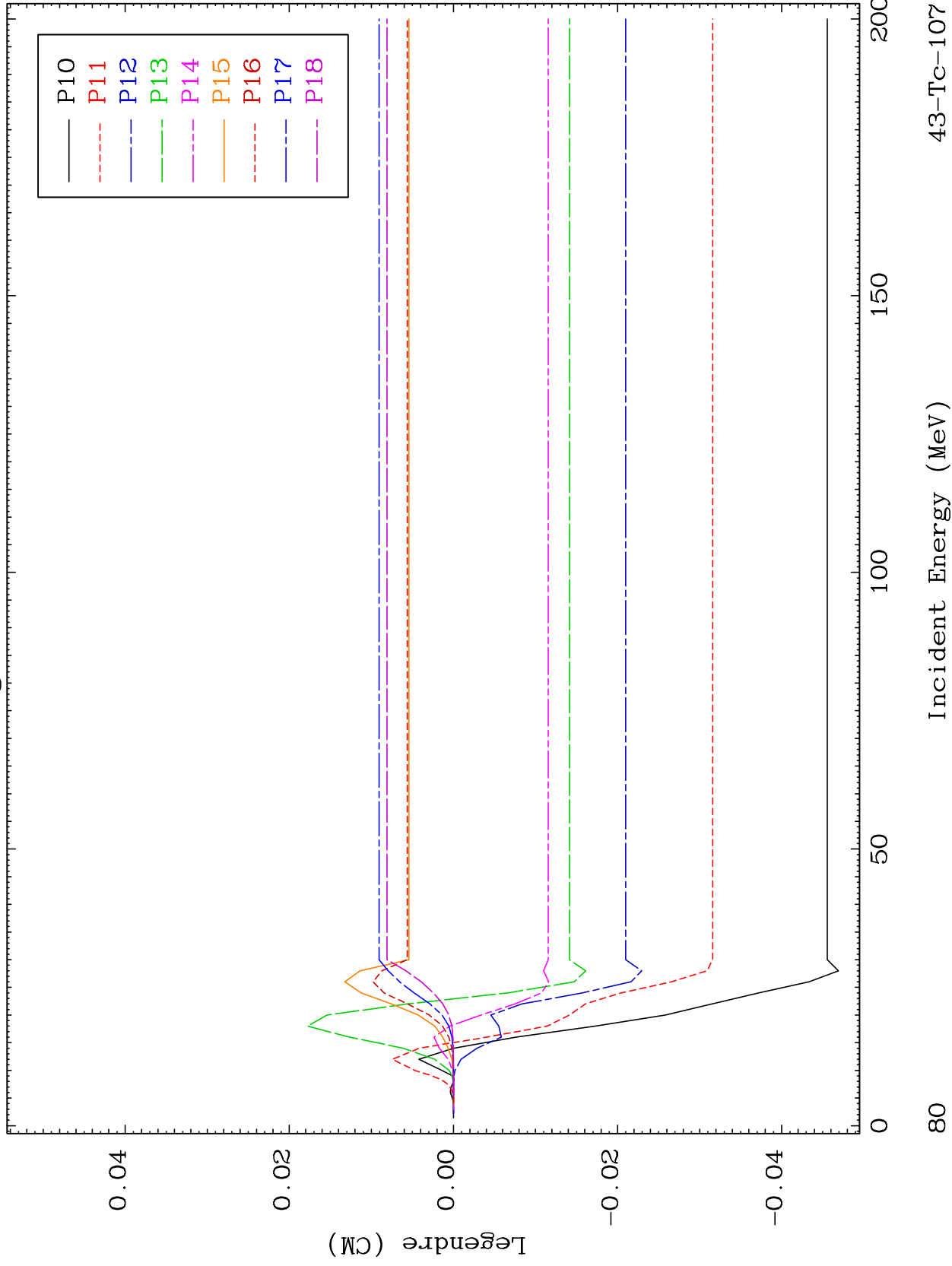
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



43-Tc-107

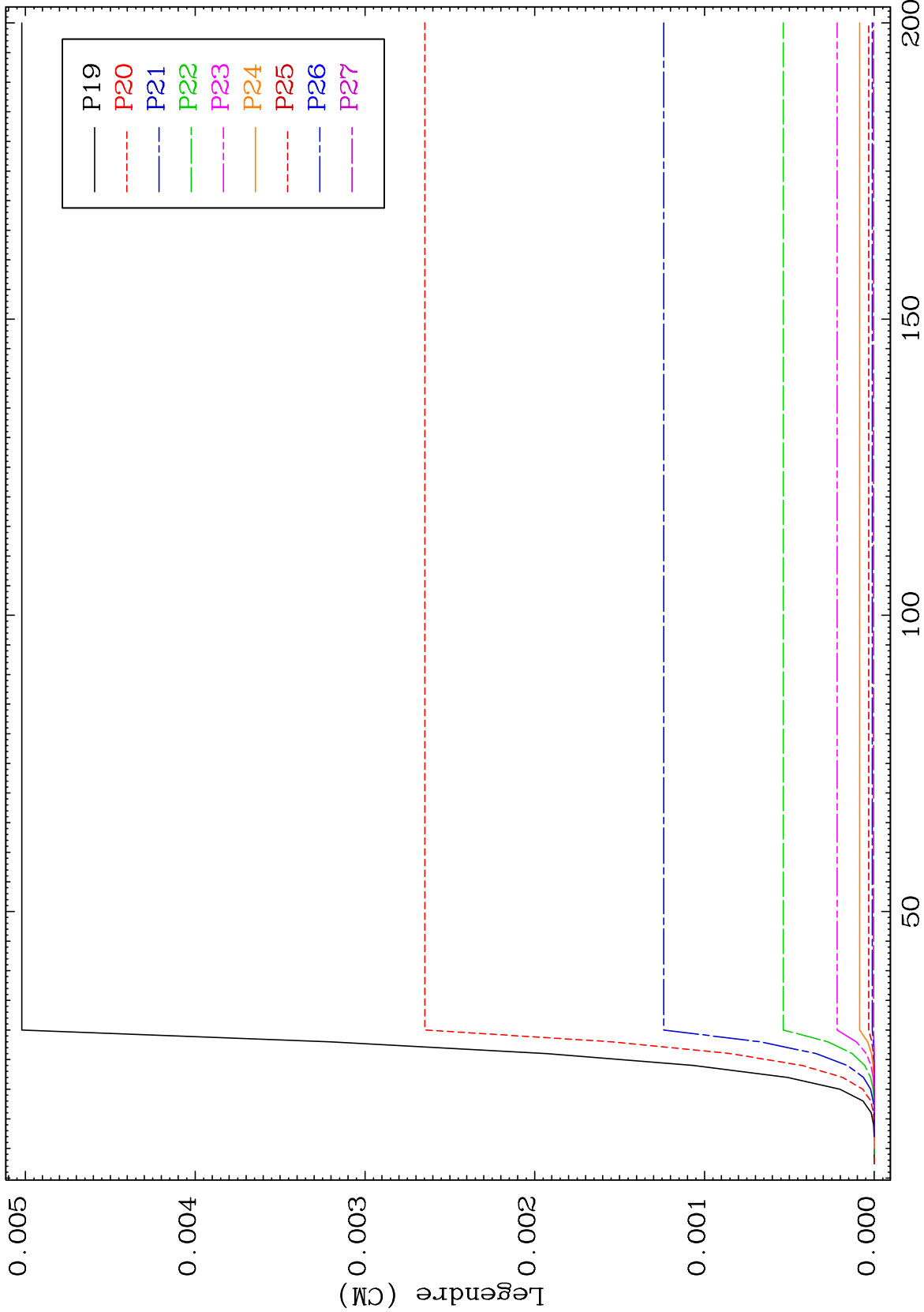
Incident Energy (MeV)

80

MAT 4349

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

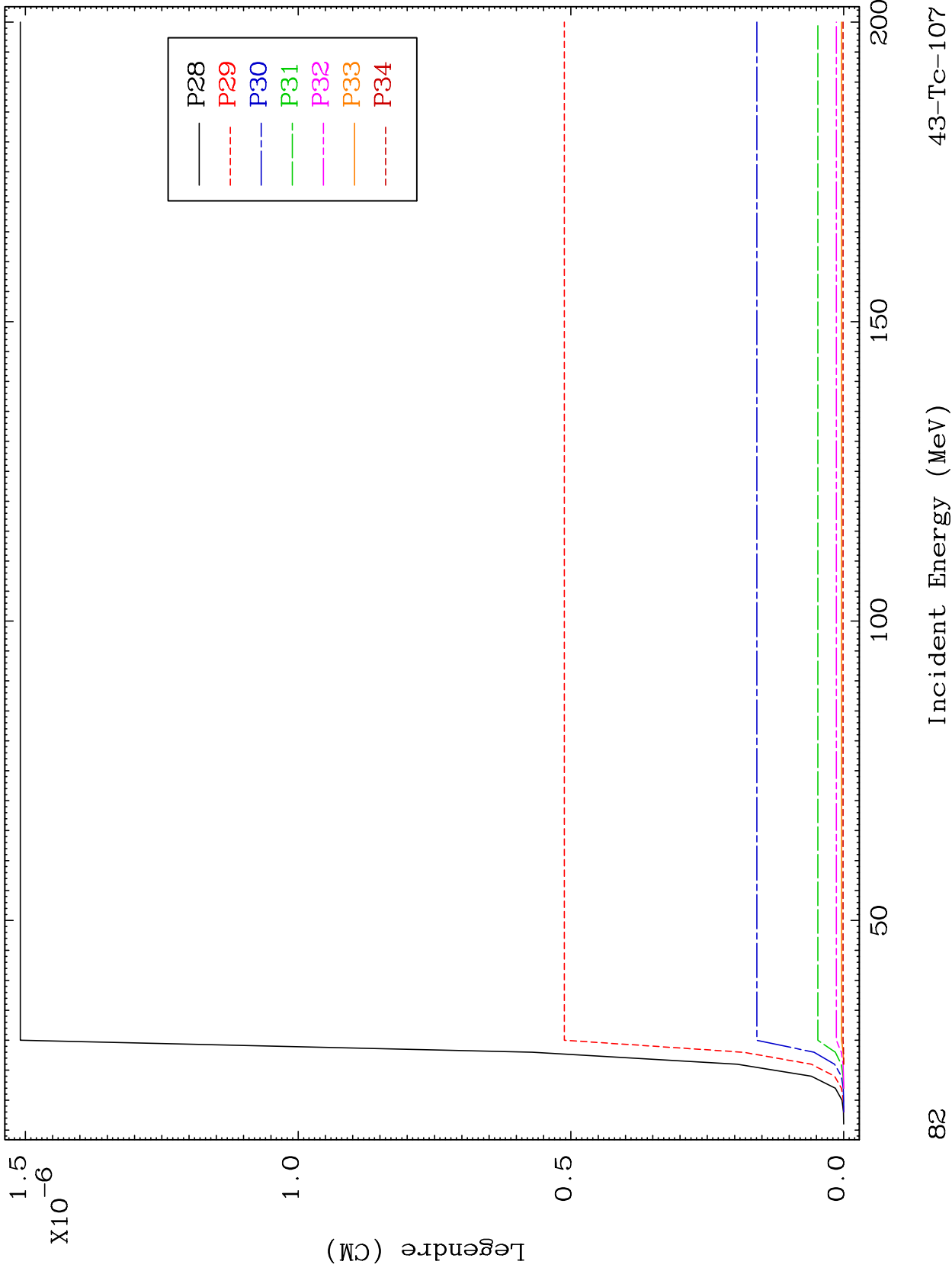
43-Tc-107



MAT 4349

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

43-Tc-107



82

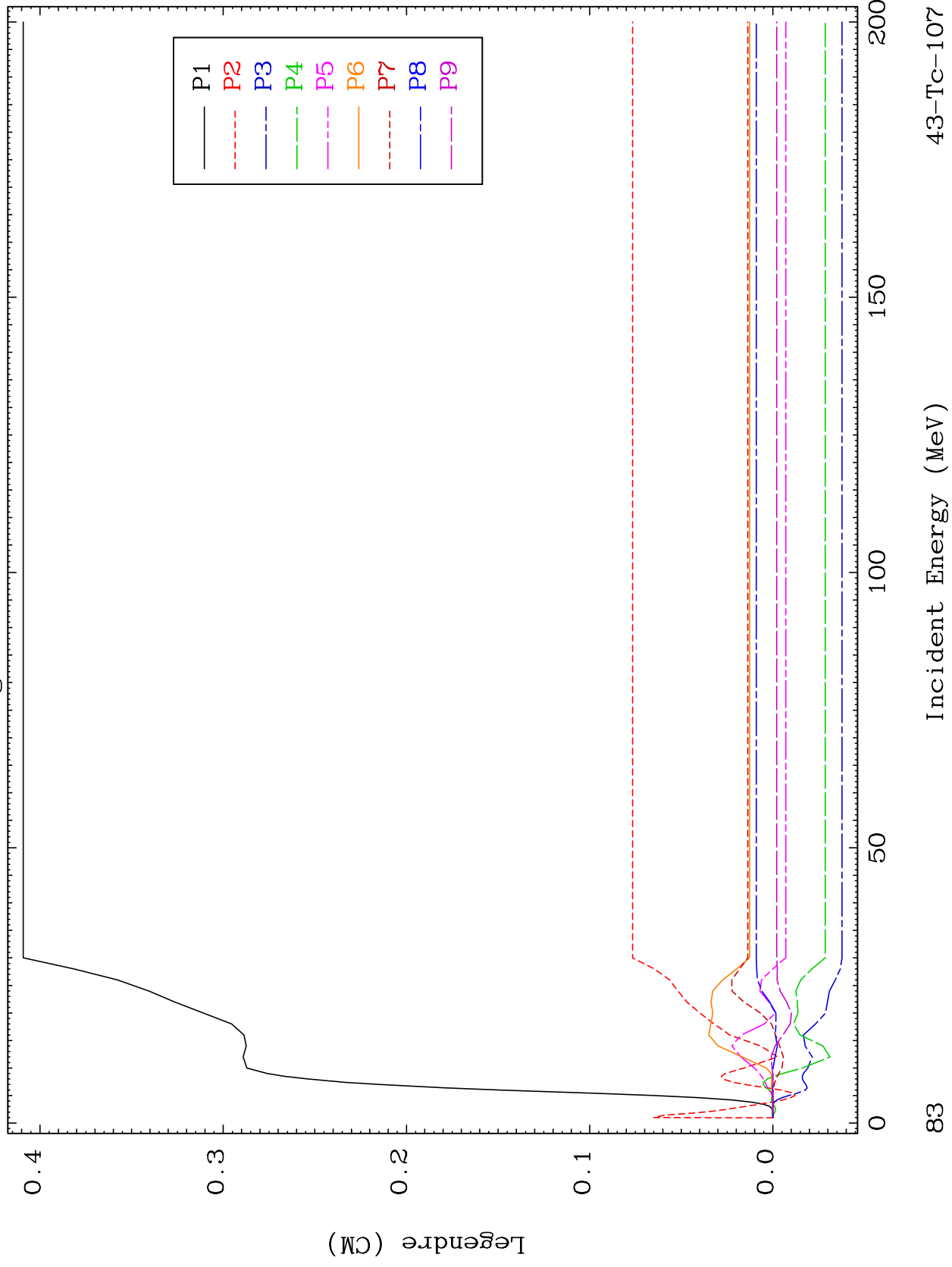
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

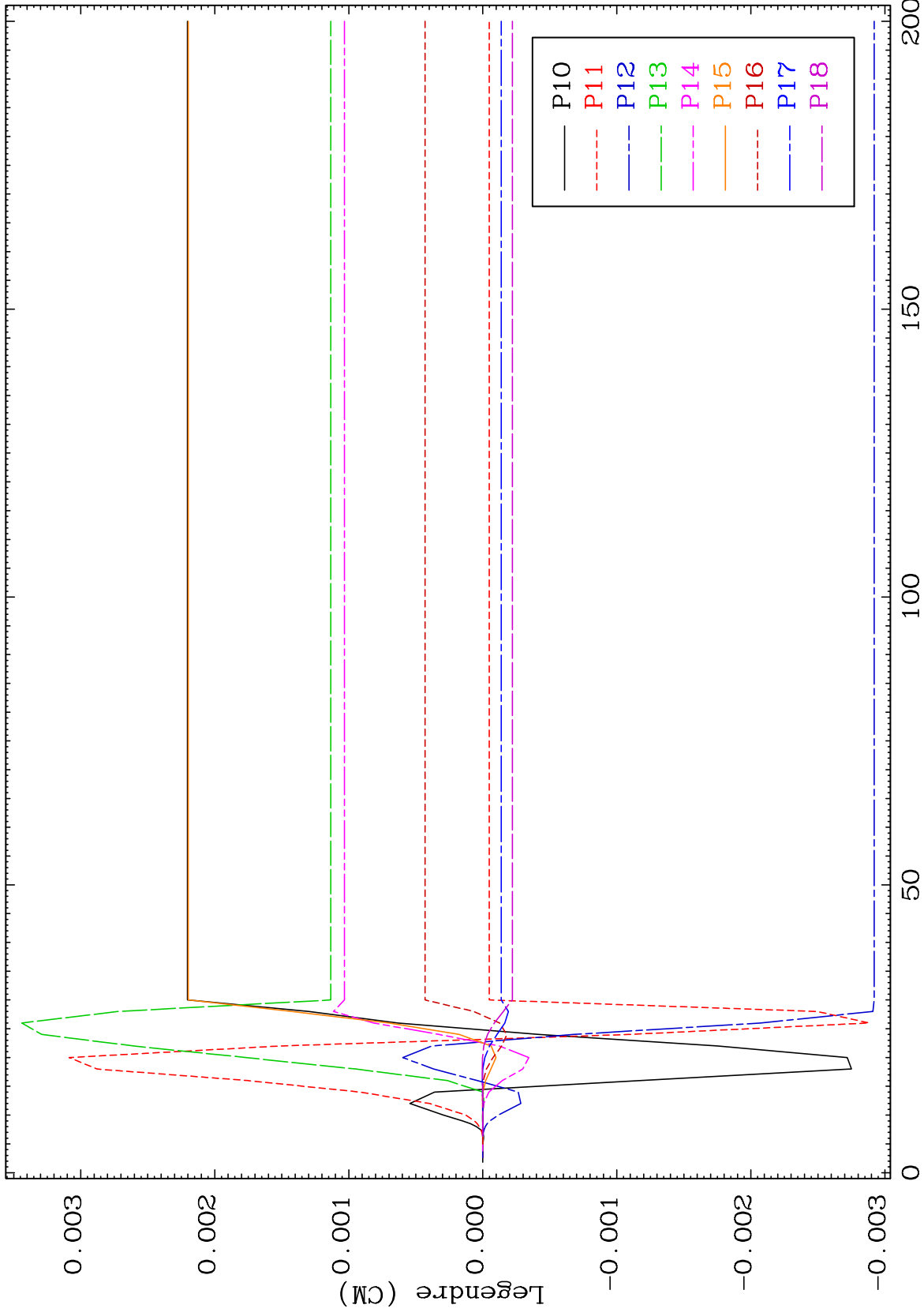
43-Tc-107



MAT 4349

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

43-Tc-107



84

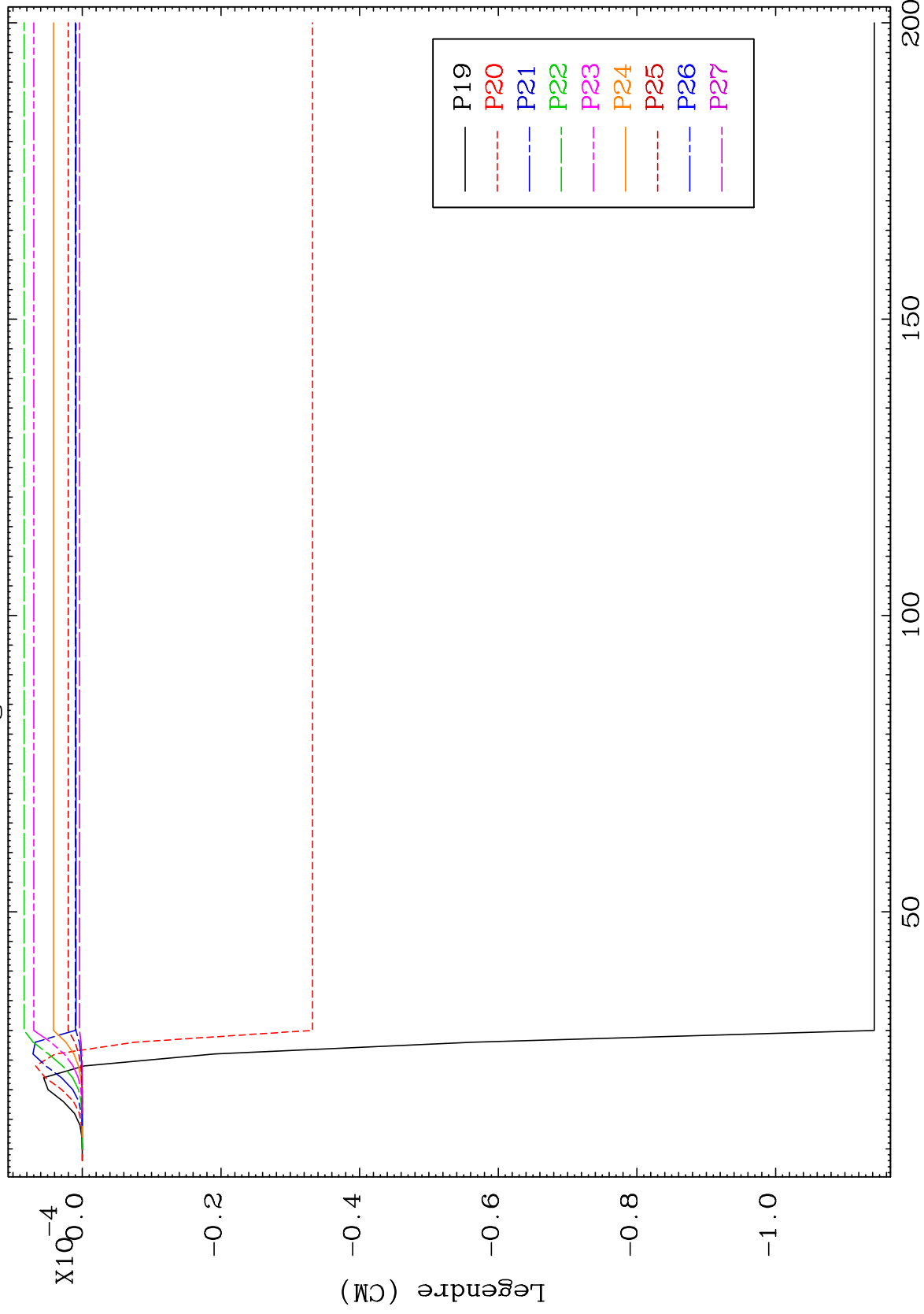
Incident Energy (MeV)

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

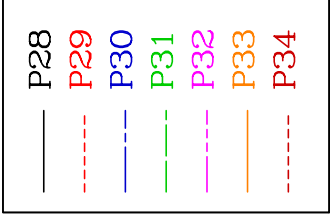
$\times 10^{-7}$
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

86

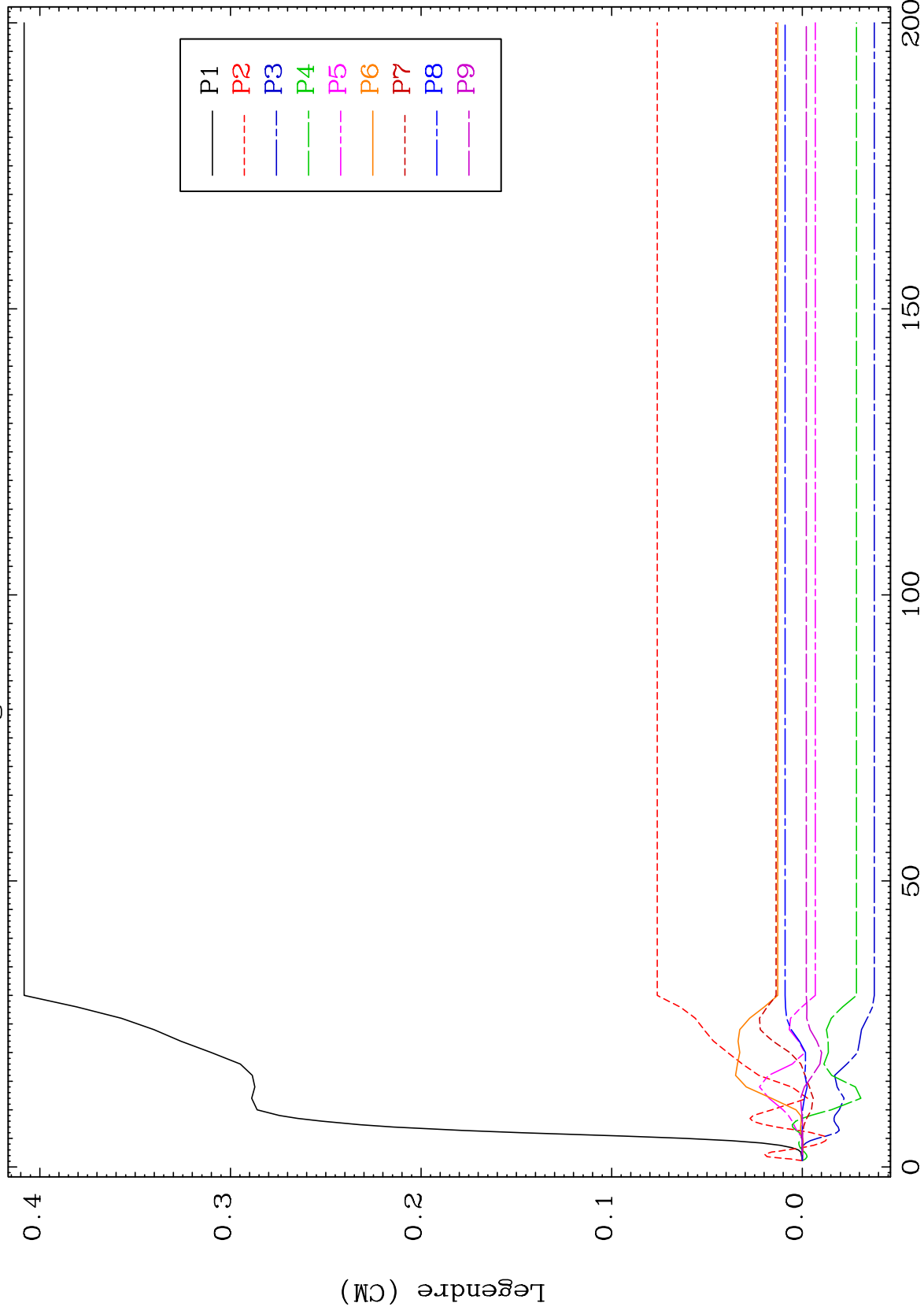
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



87

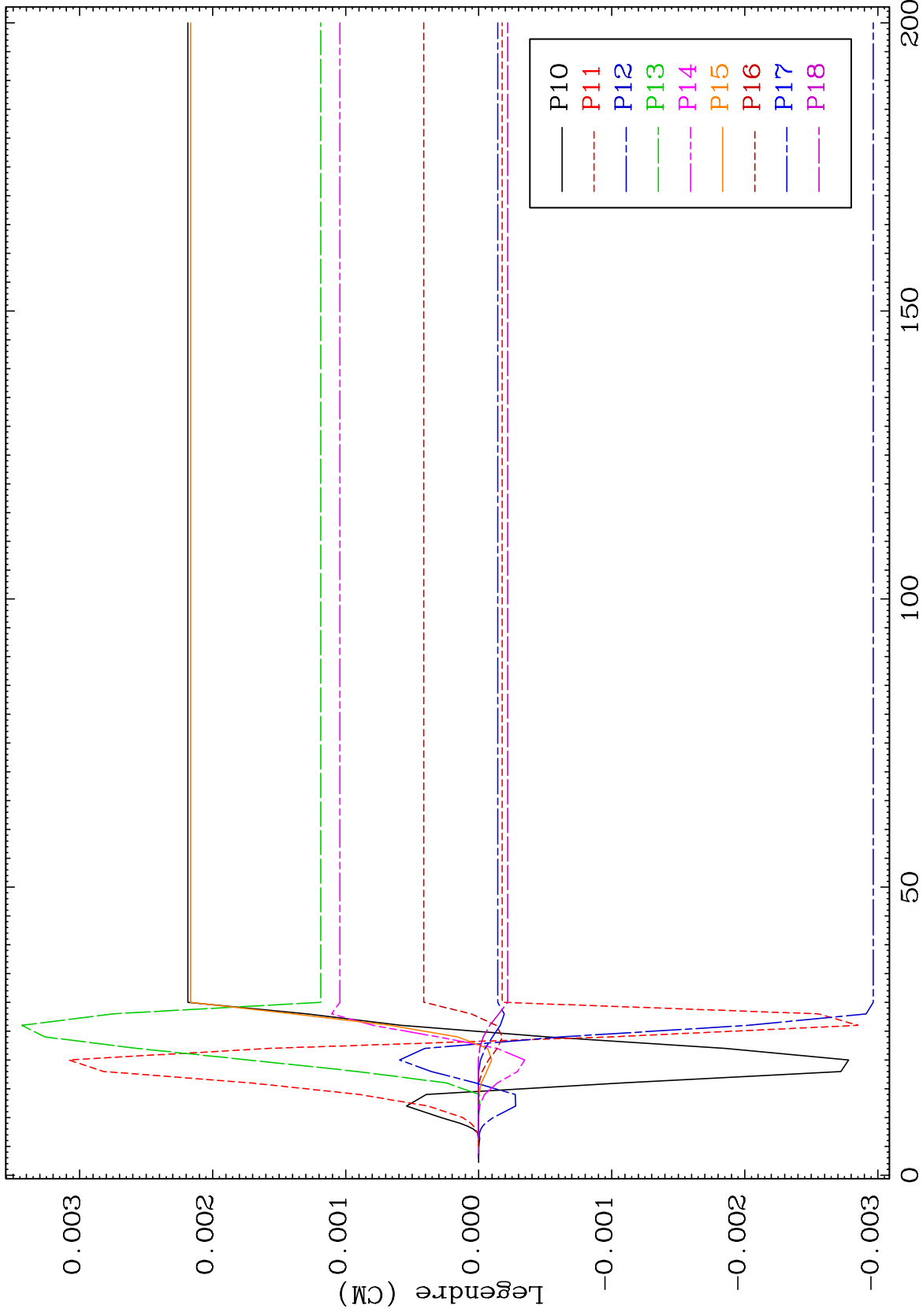
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



88

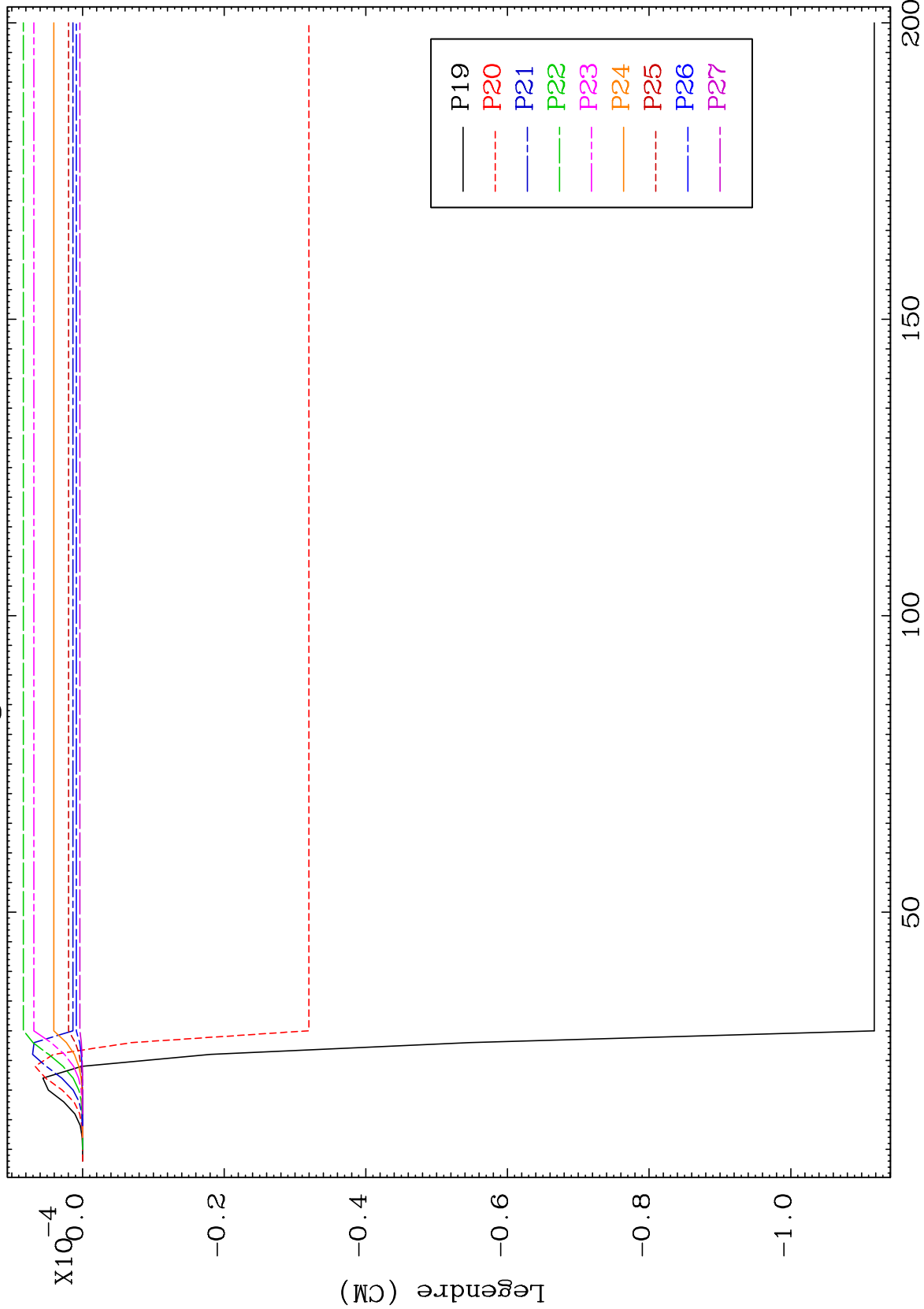
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



89

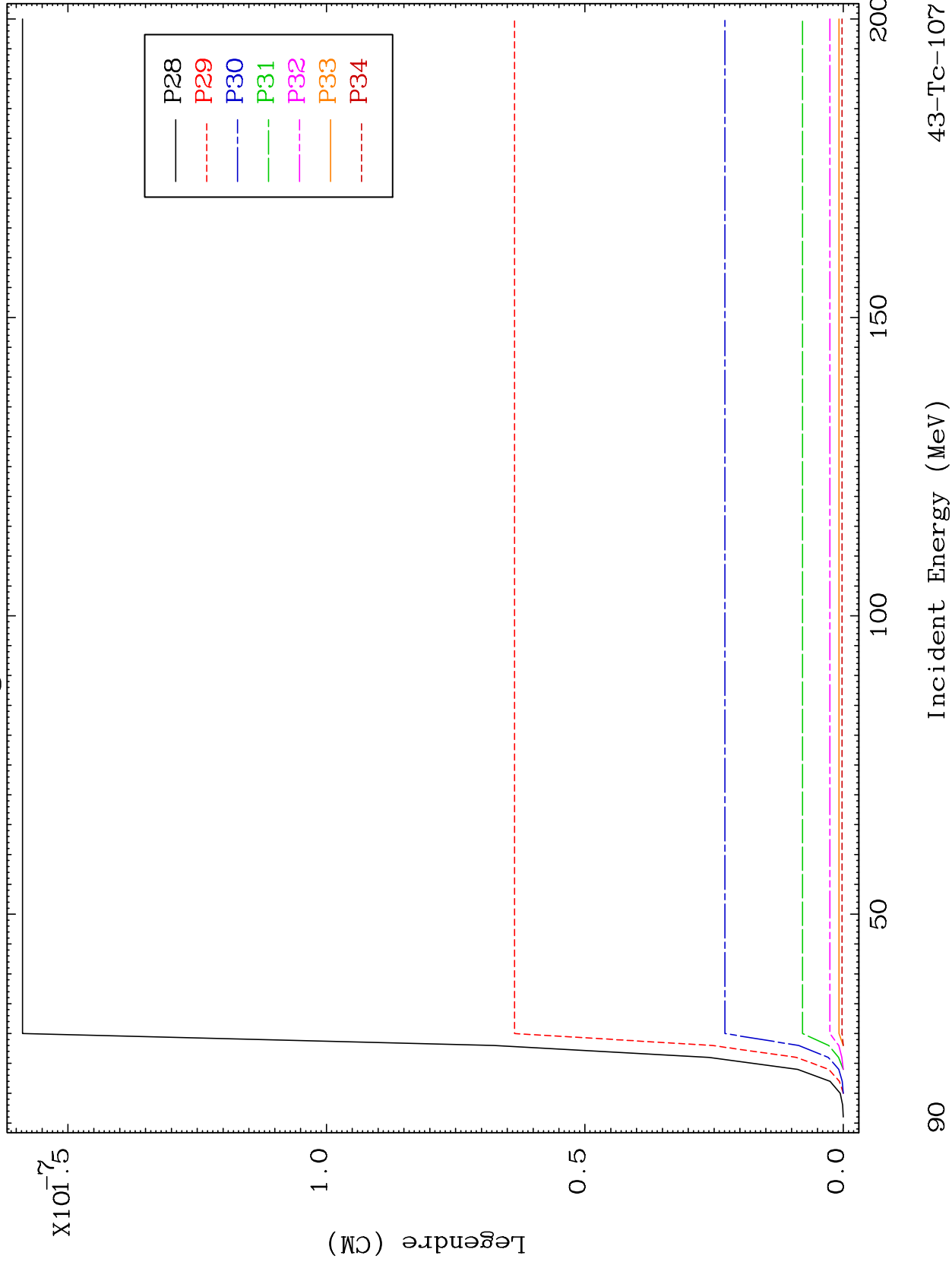
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

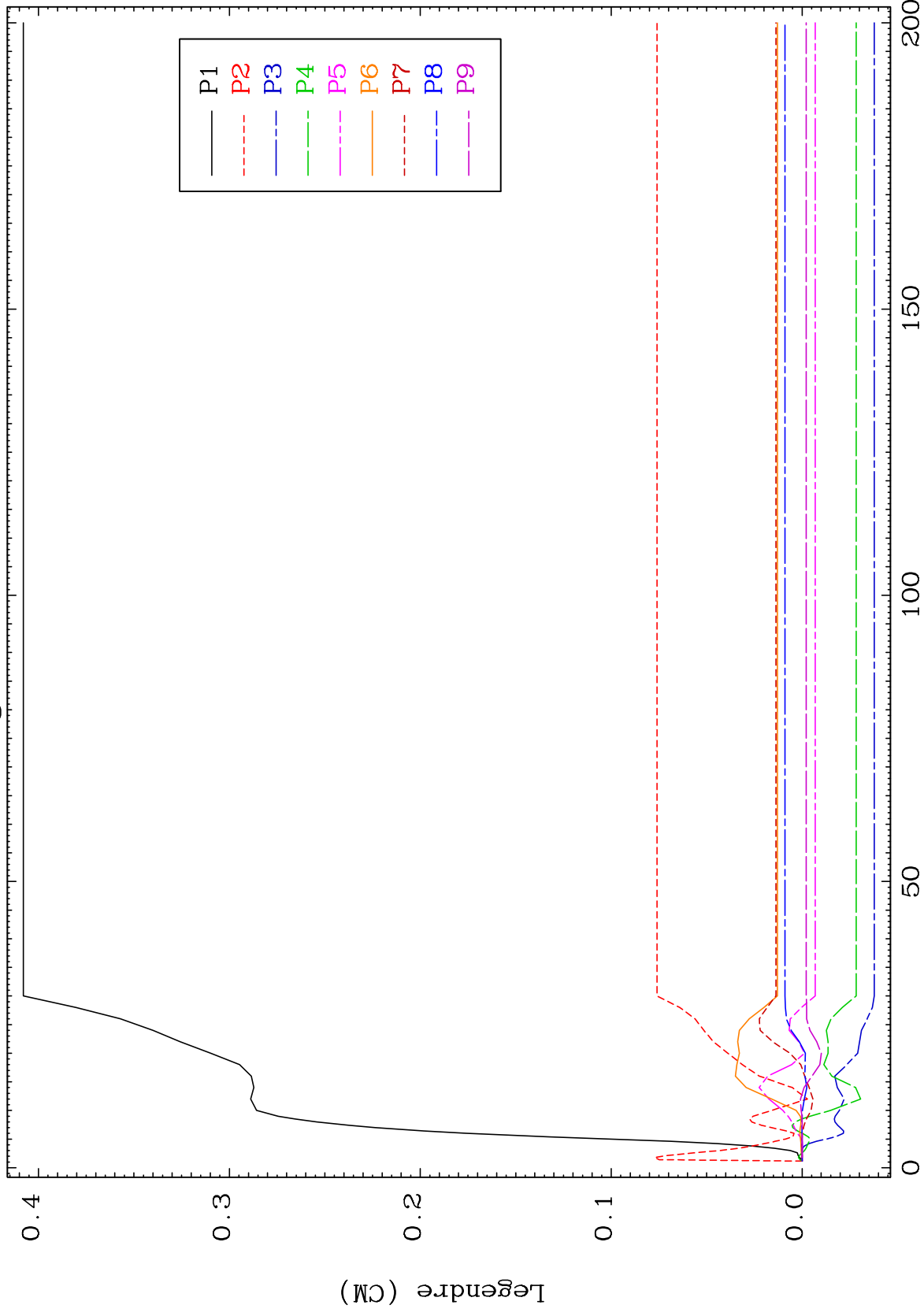
43-Tc-107



MAT 4349

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

43-Tc-107



91

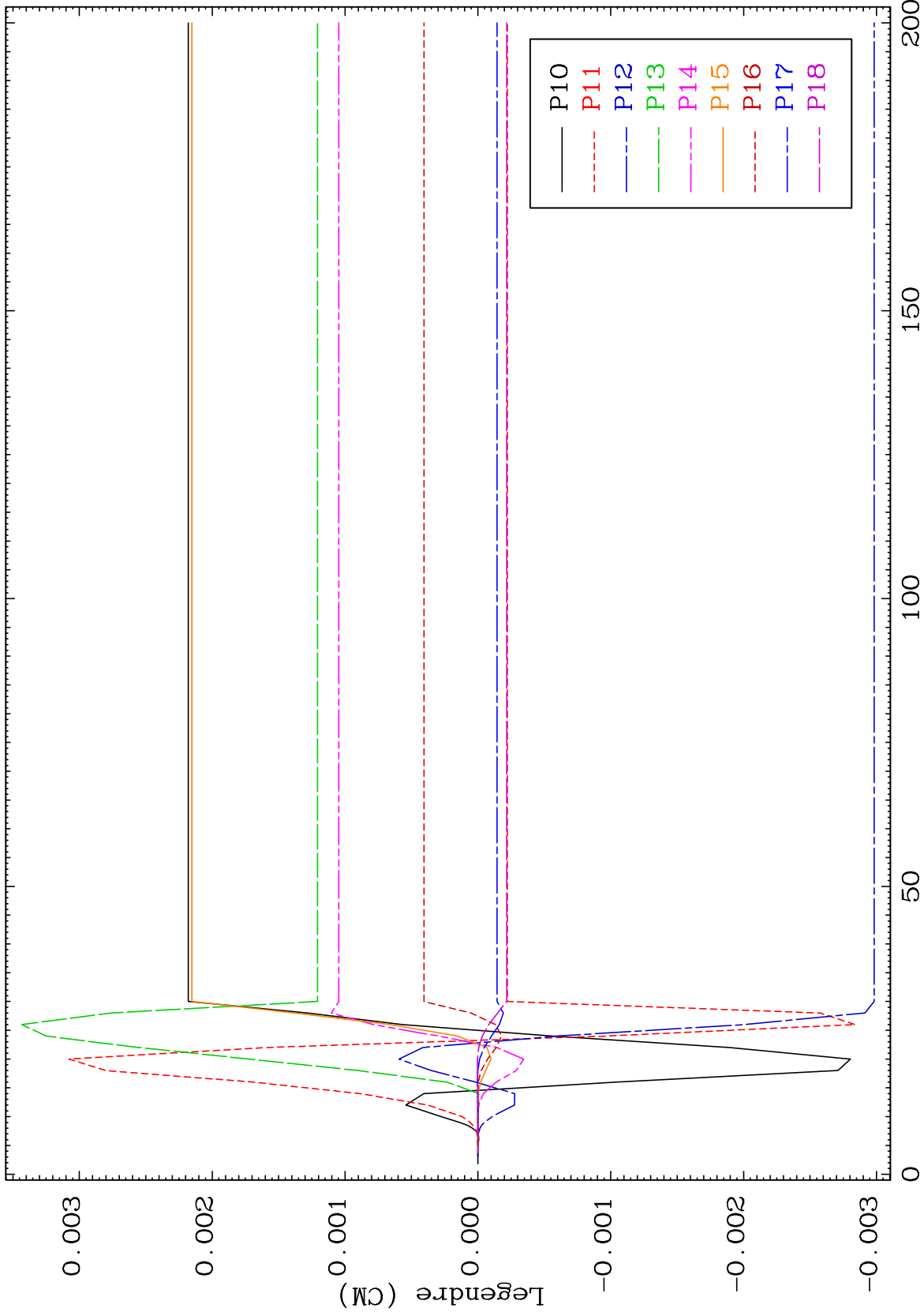
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

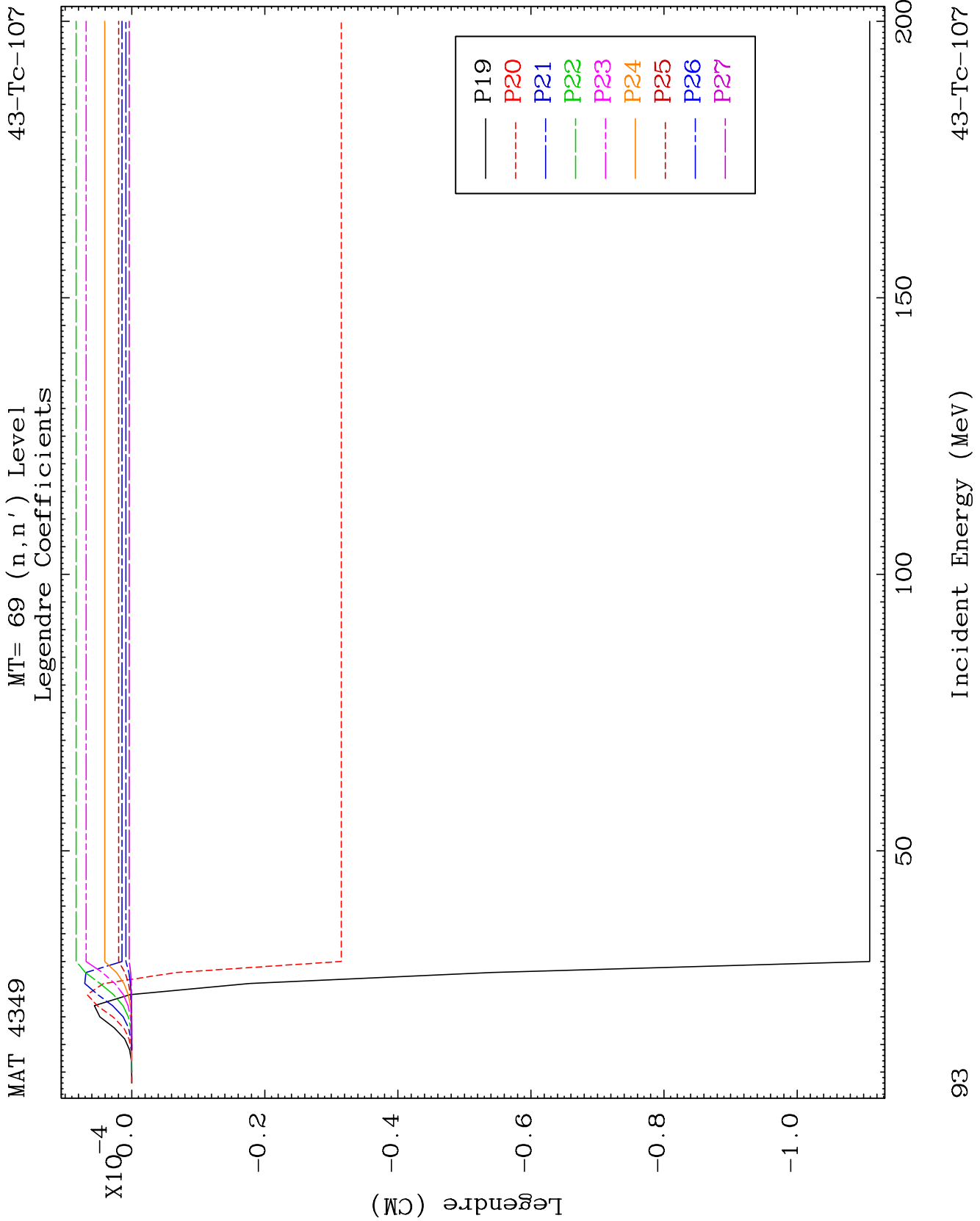
43-Tc-107



92

Incident Energy (MeV)

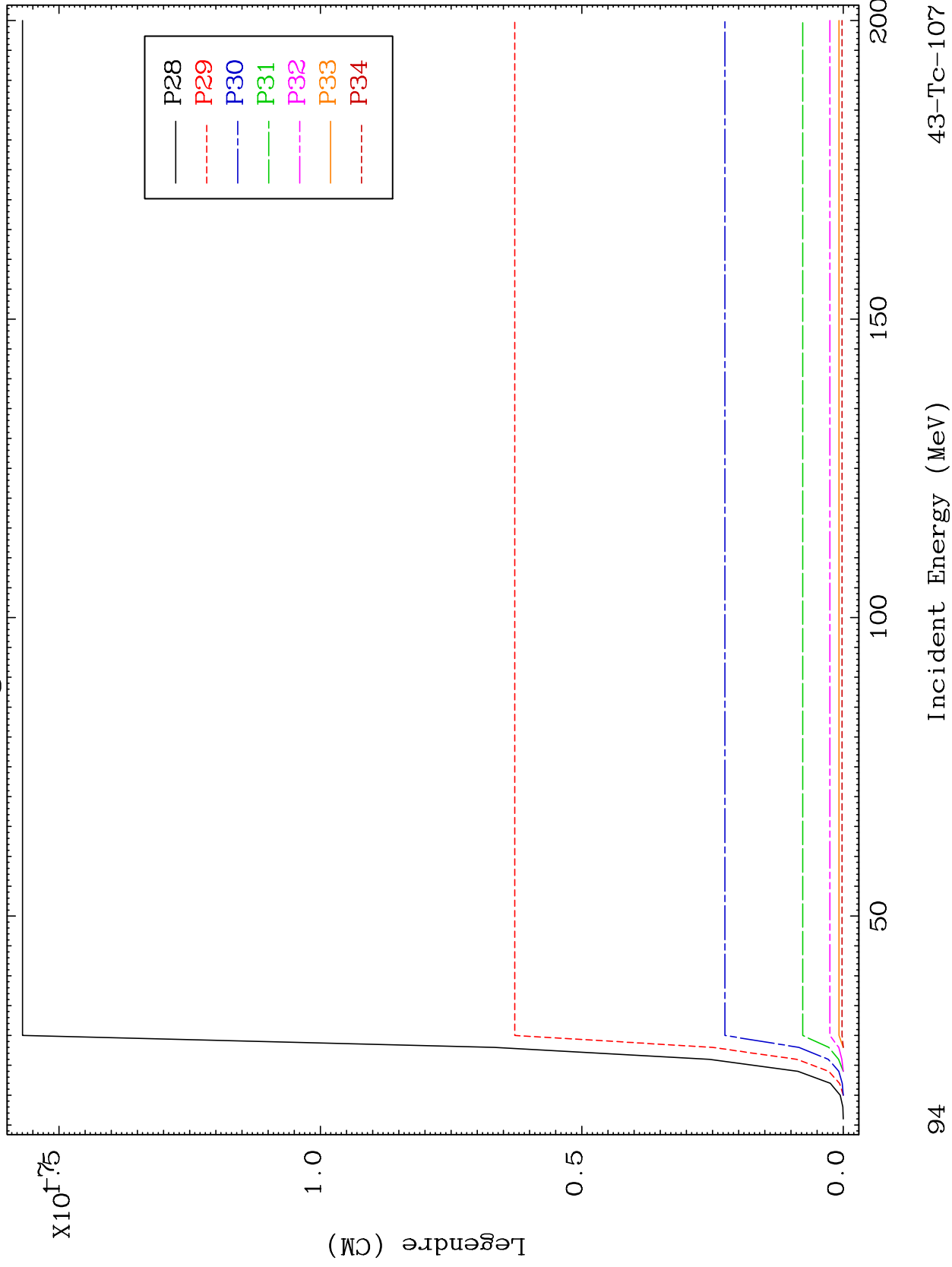
43-Tc-107



MAT 4349

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

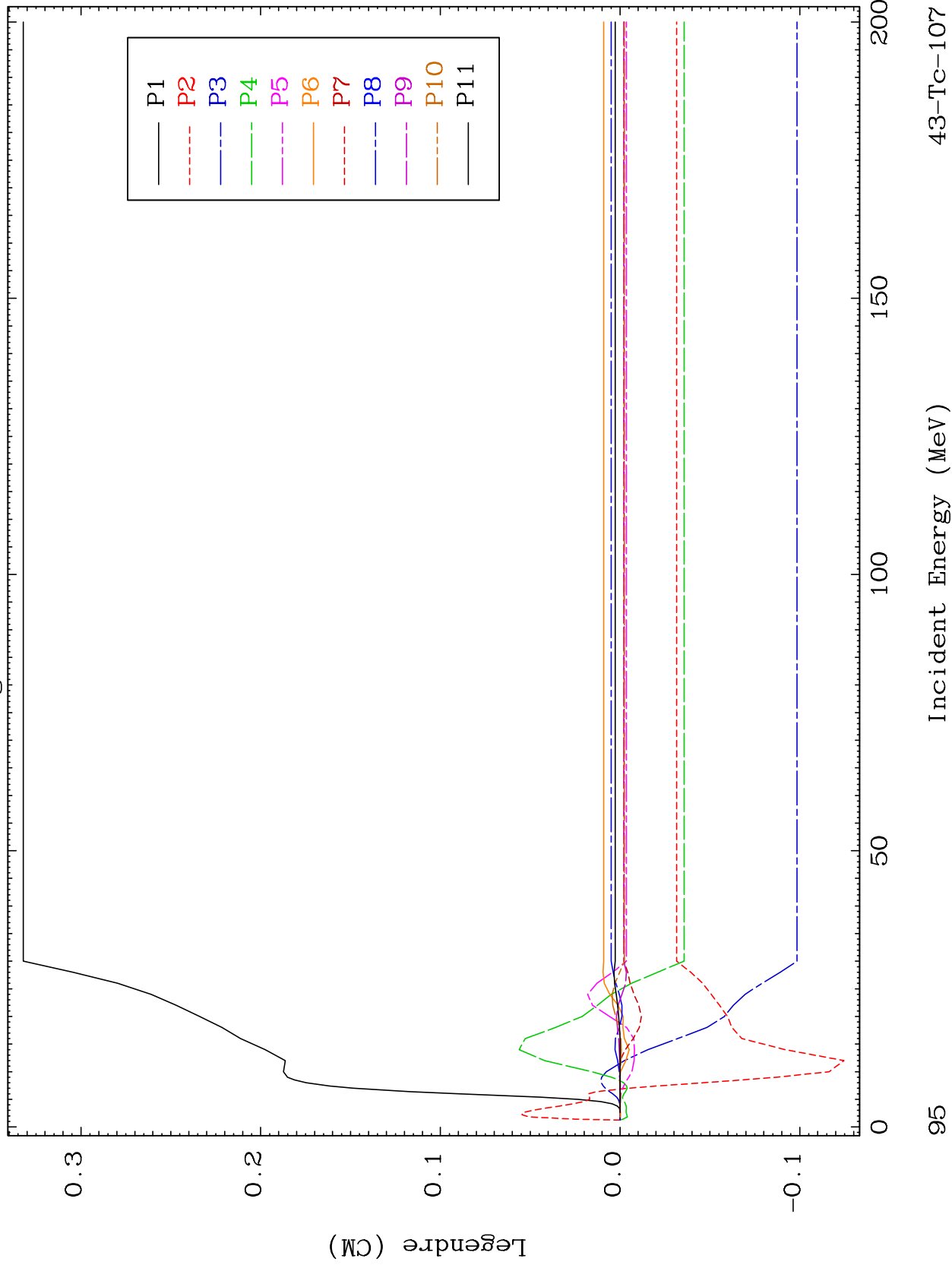
43-Tc-107



MAT 4349

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

43-Tc-107



43-Tc-107

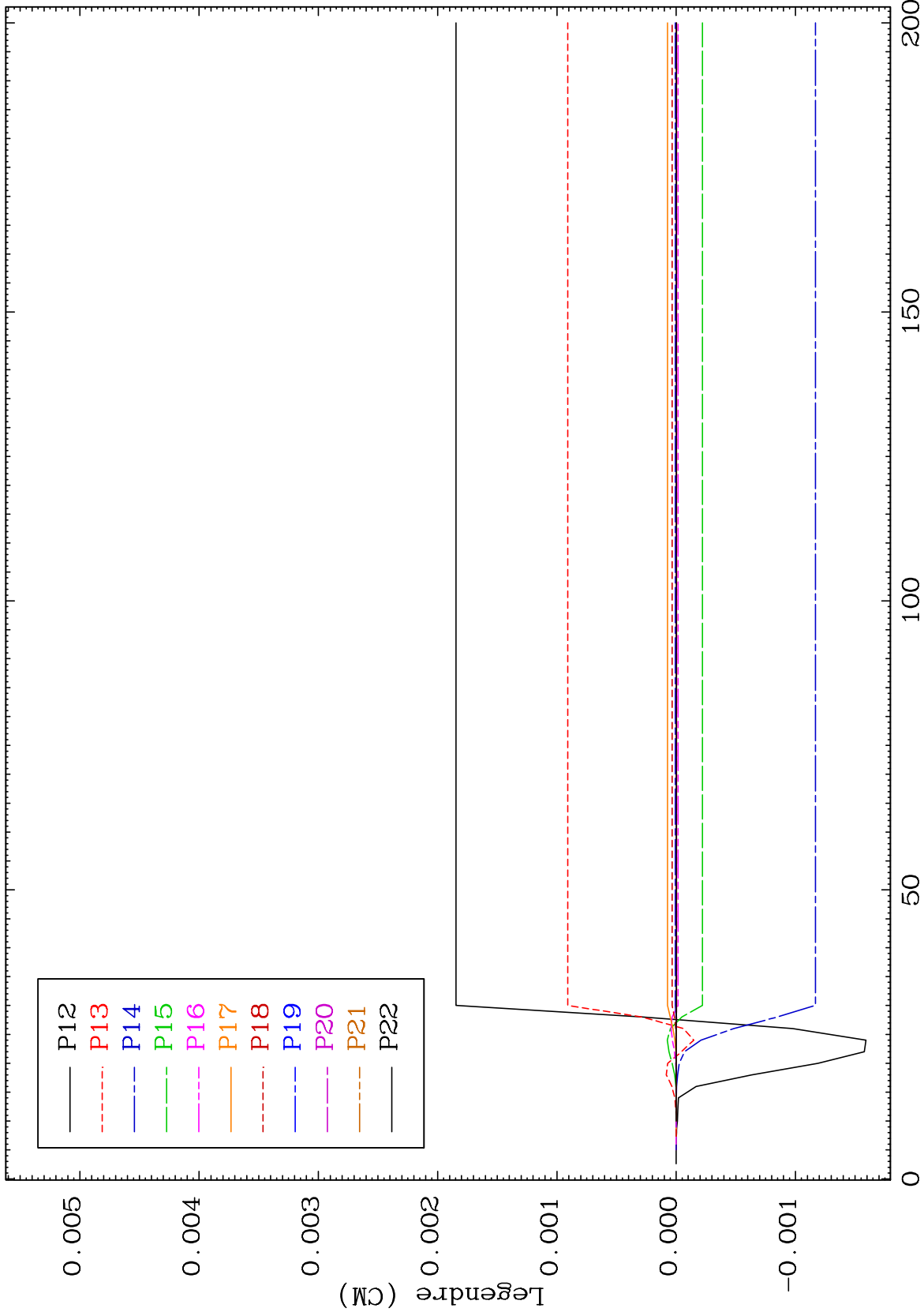
Incident Energy (MeV)

95

MAT 4349

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

43-Tc-107



96

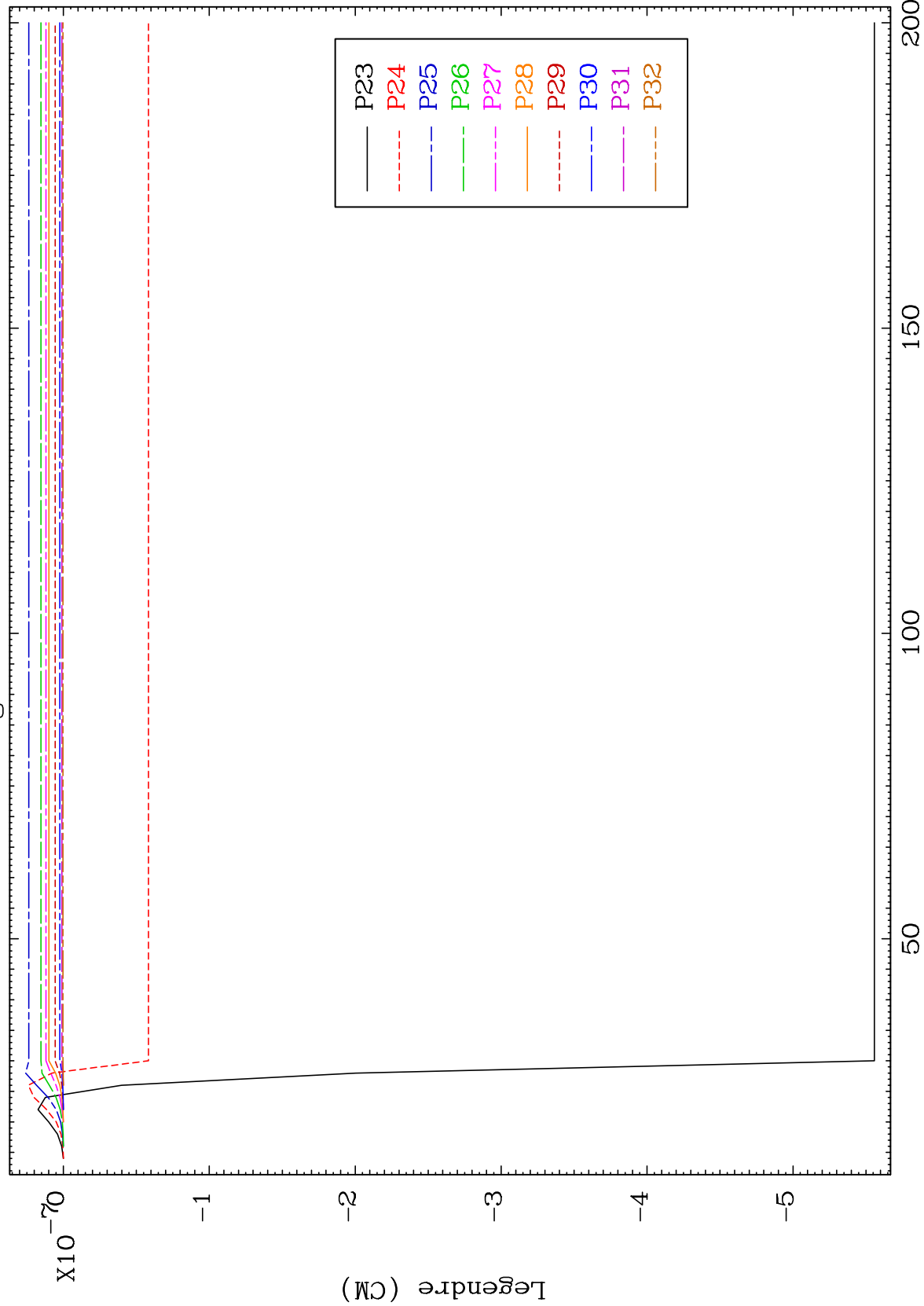
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



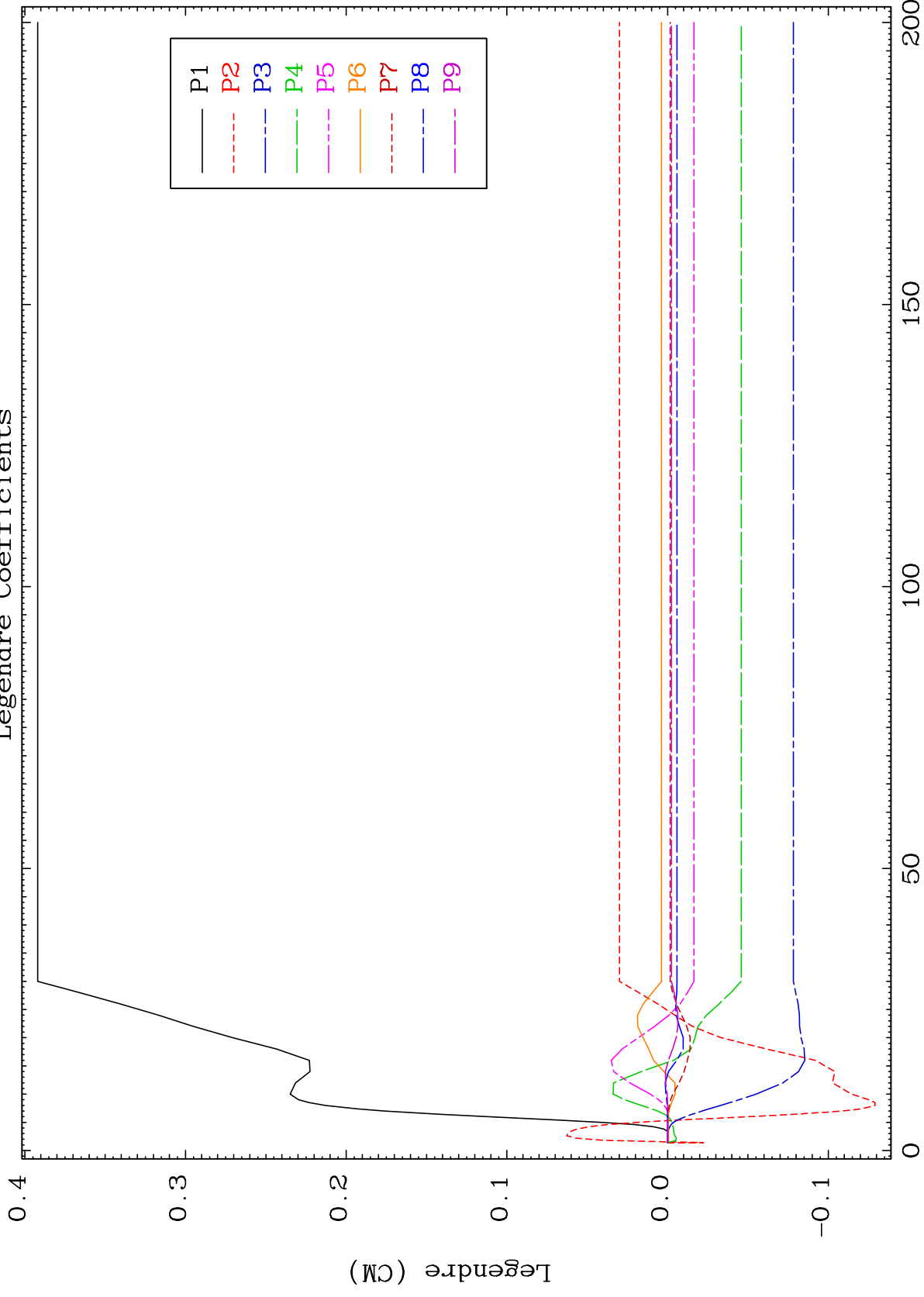
97

43-Tc-107

MAT 4349

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

43-Tc-107



98

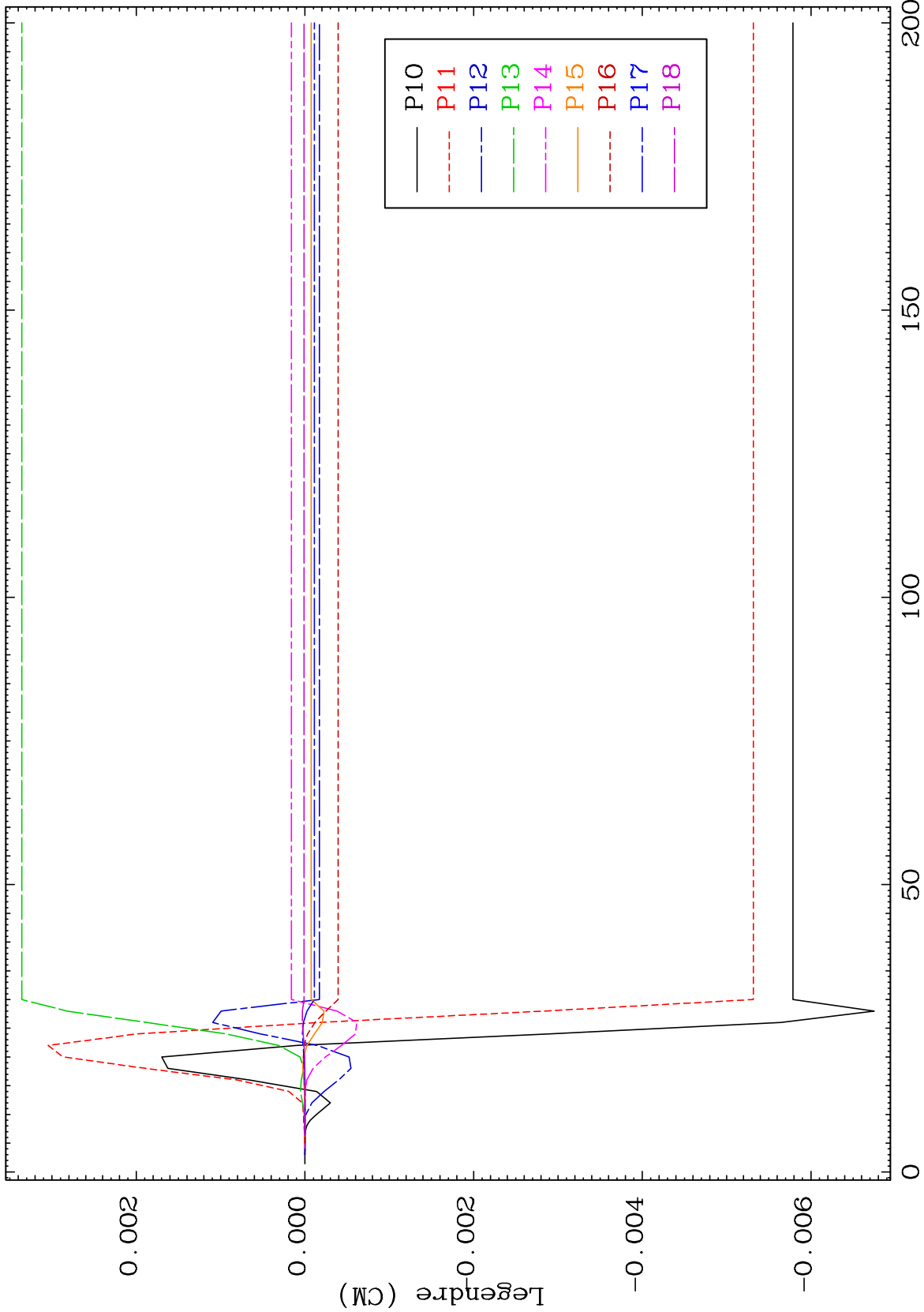
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



99

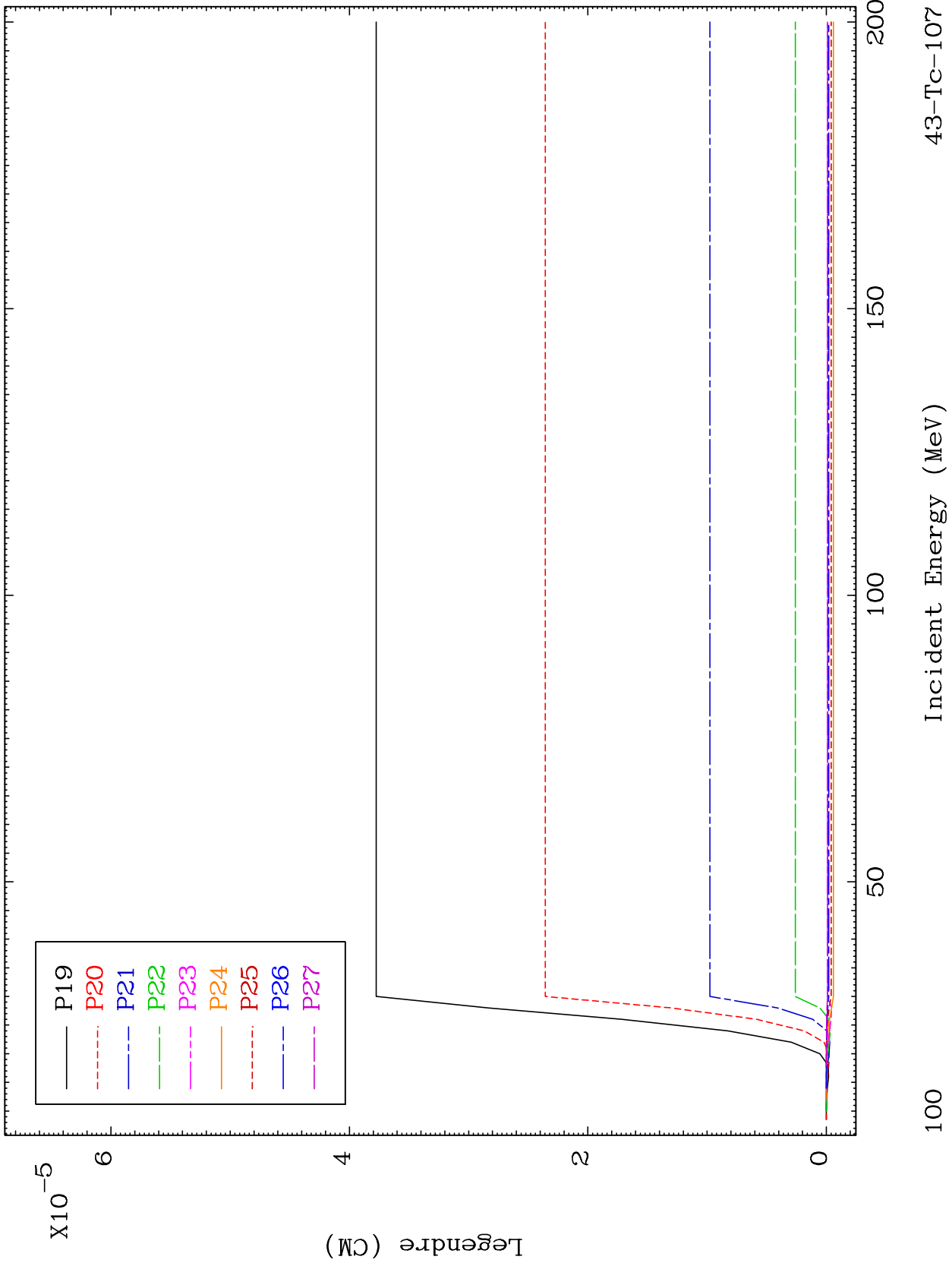
Incident Energy (MeV)

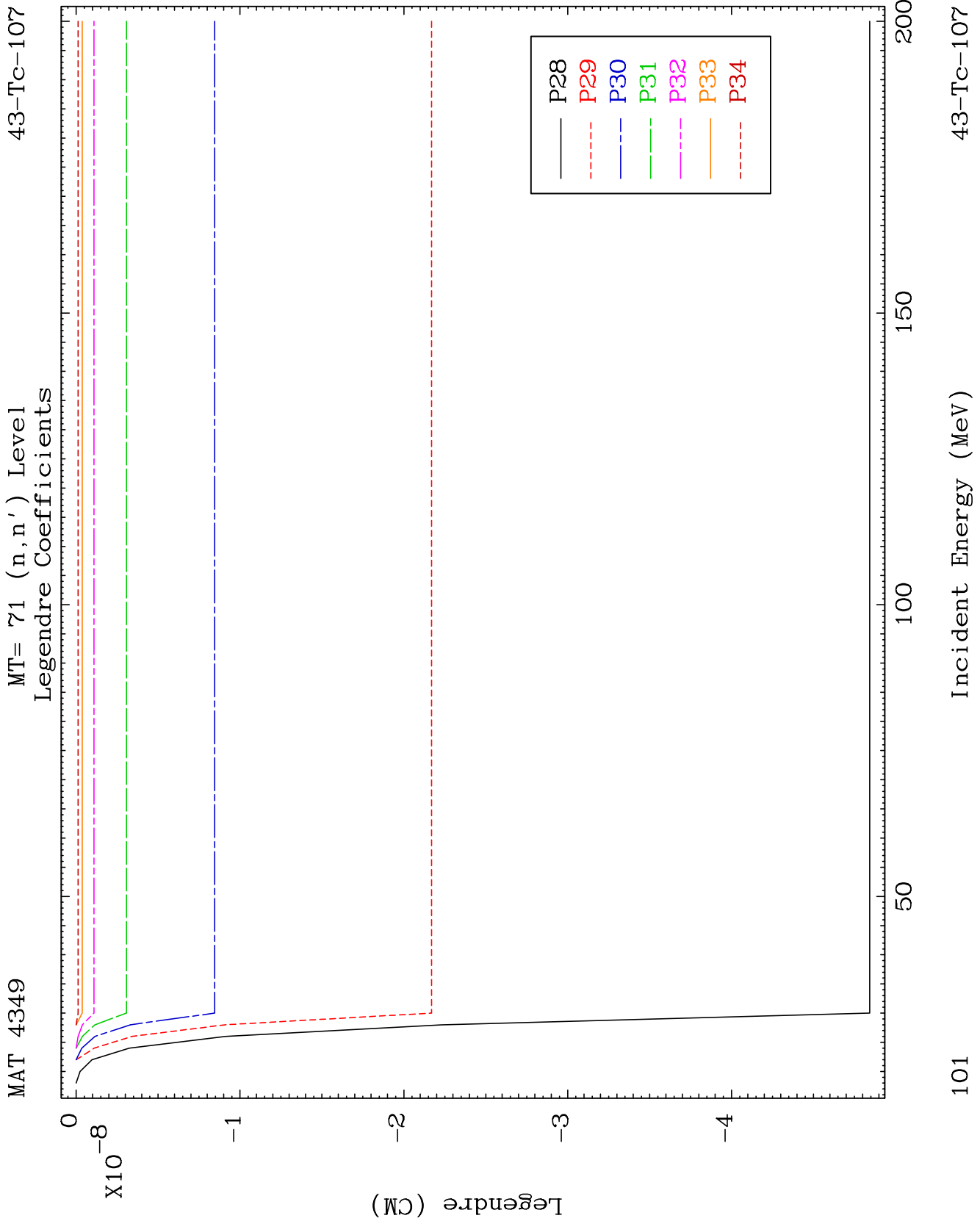
43-Tc-107

MAT 4349

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

43-Tc-107

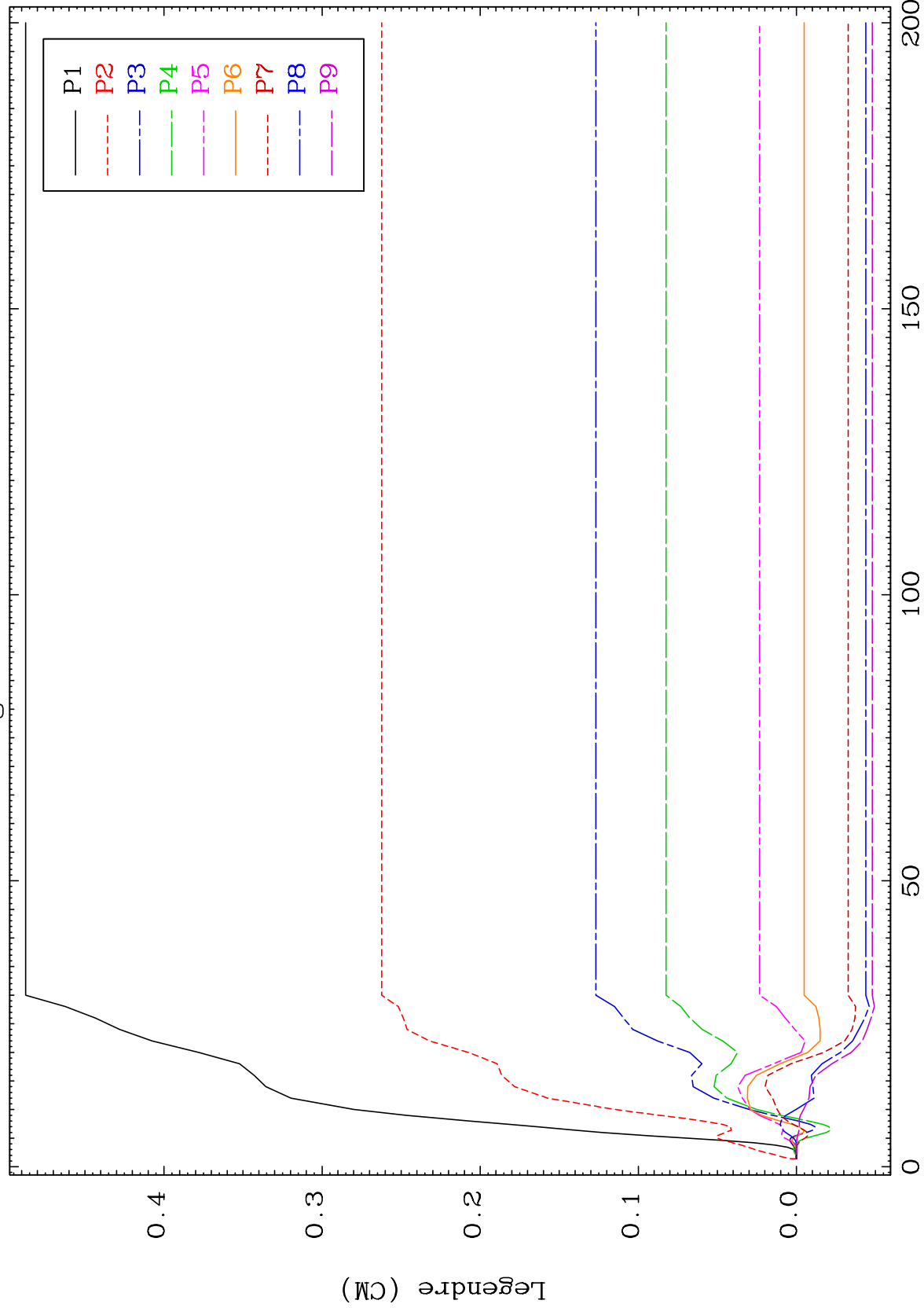




MAT 4349

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

43-Tc-107



102

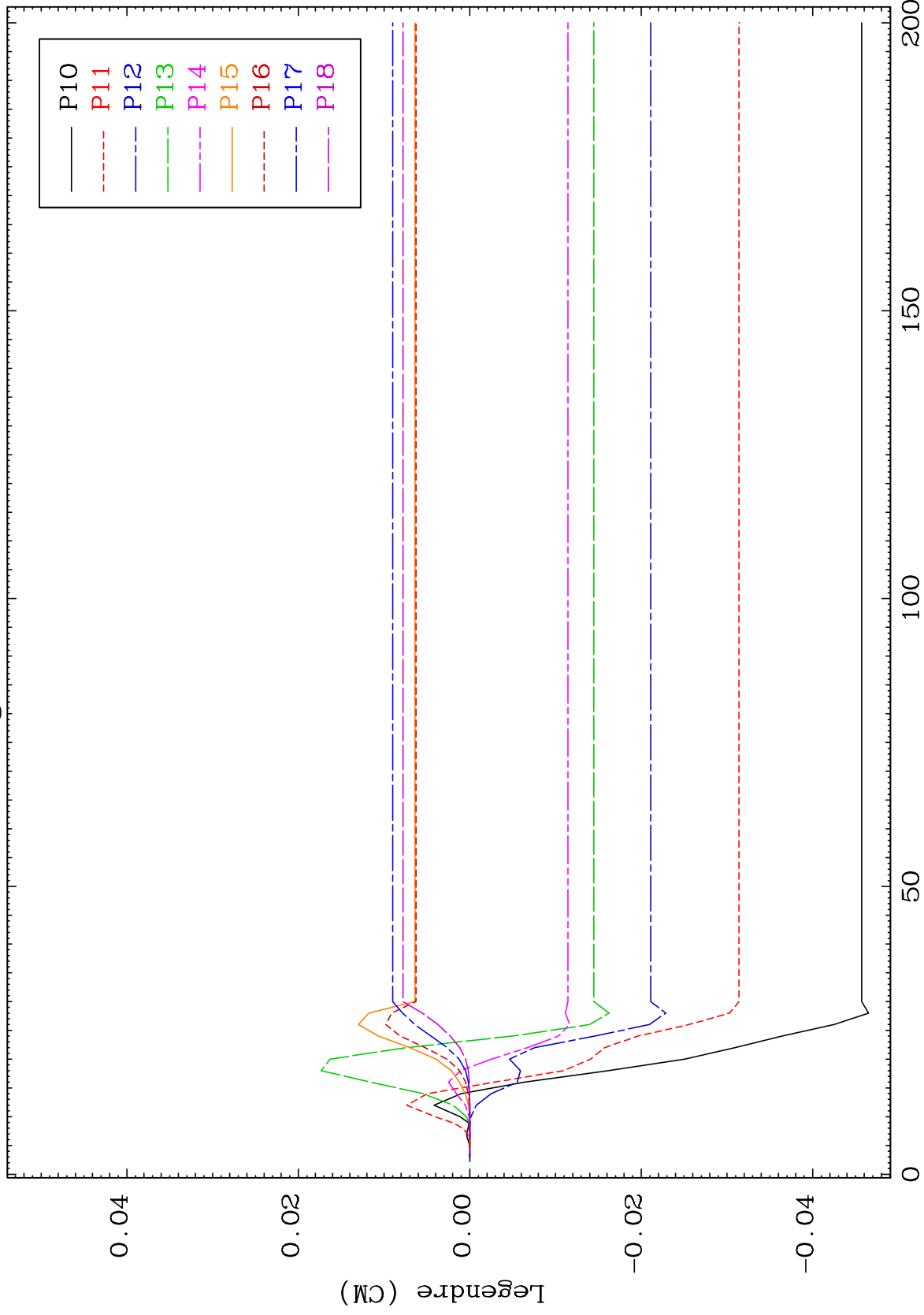
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



103

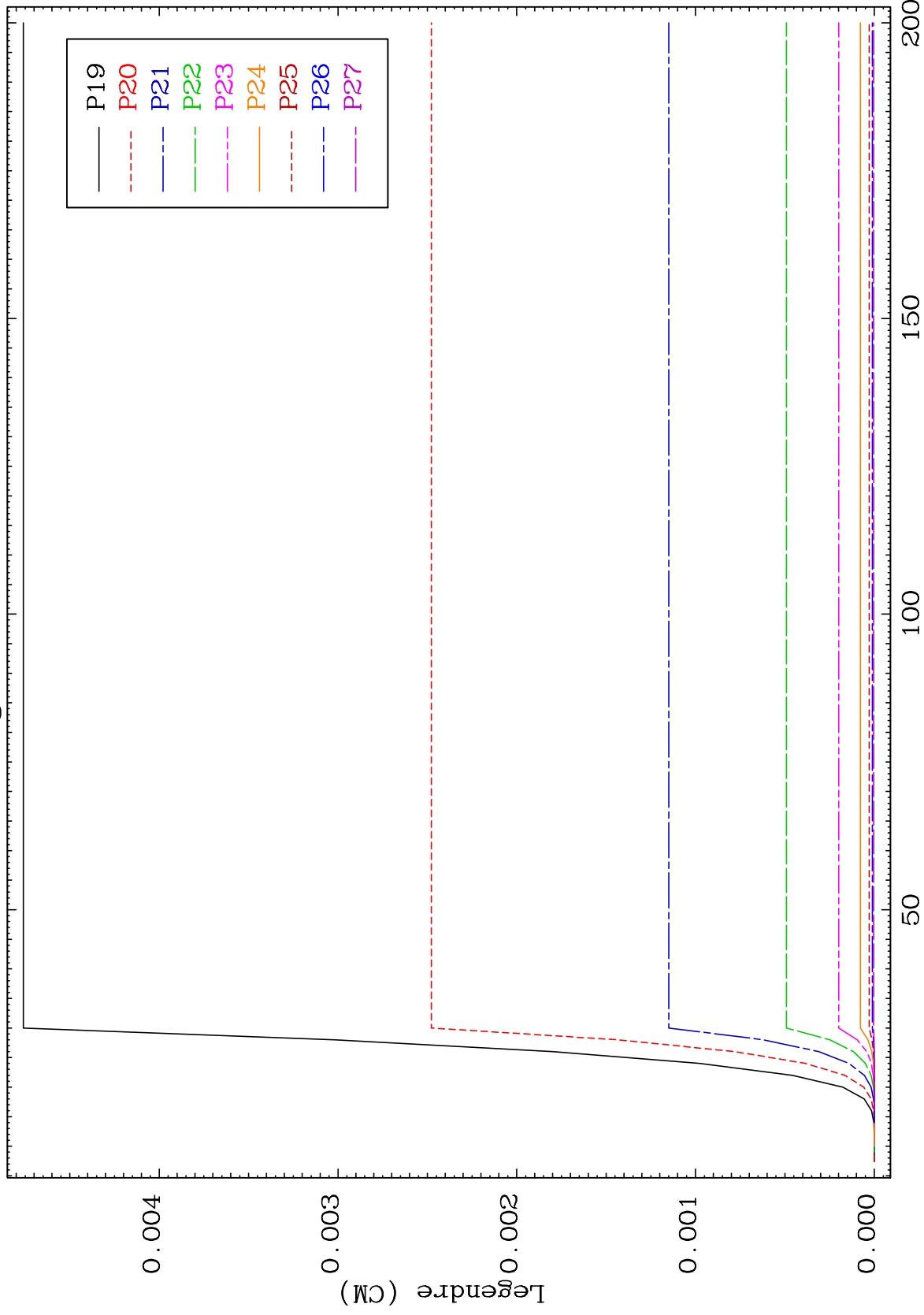
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107



104

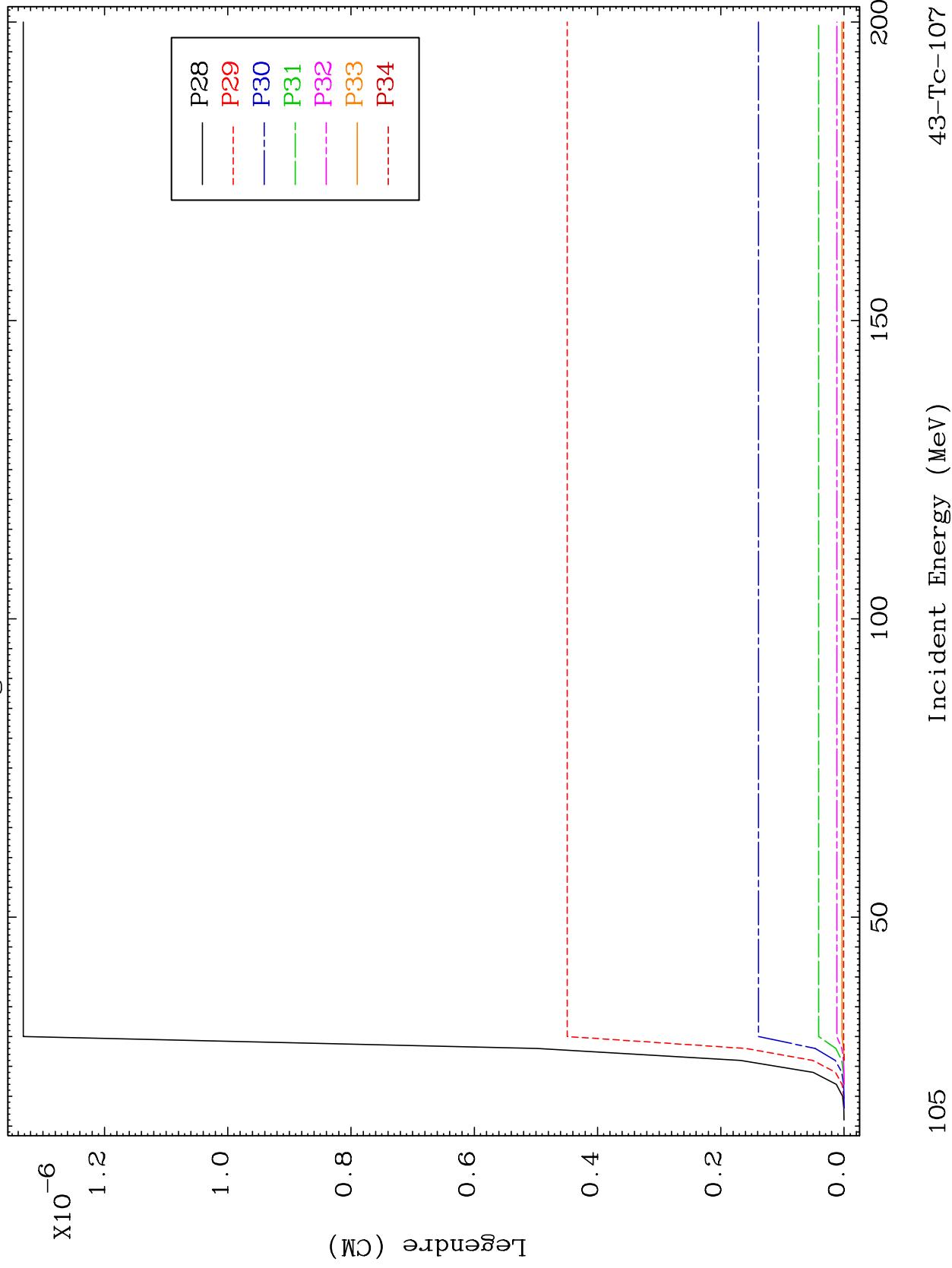
Incident Energy (MeV)

43-Tc-107

MAT 4349

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

43-Tc-107

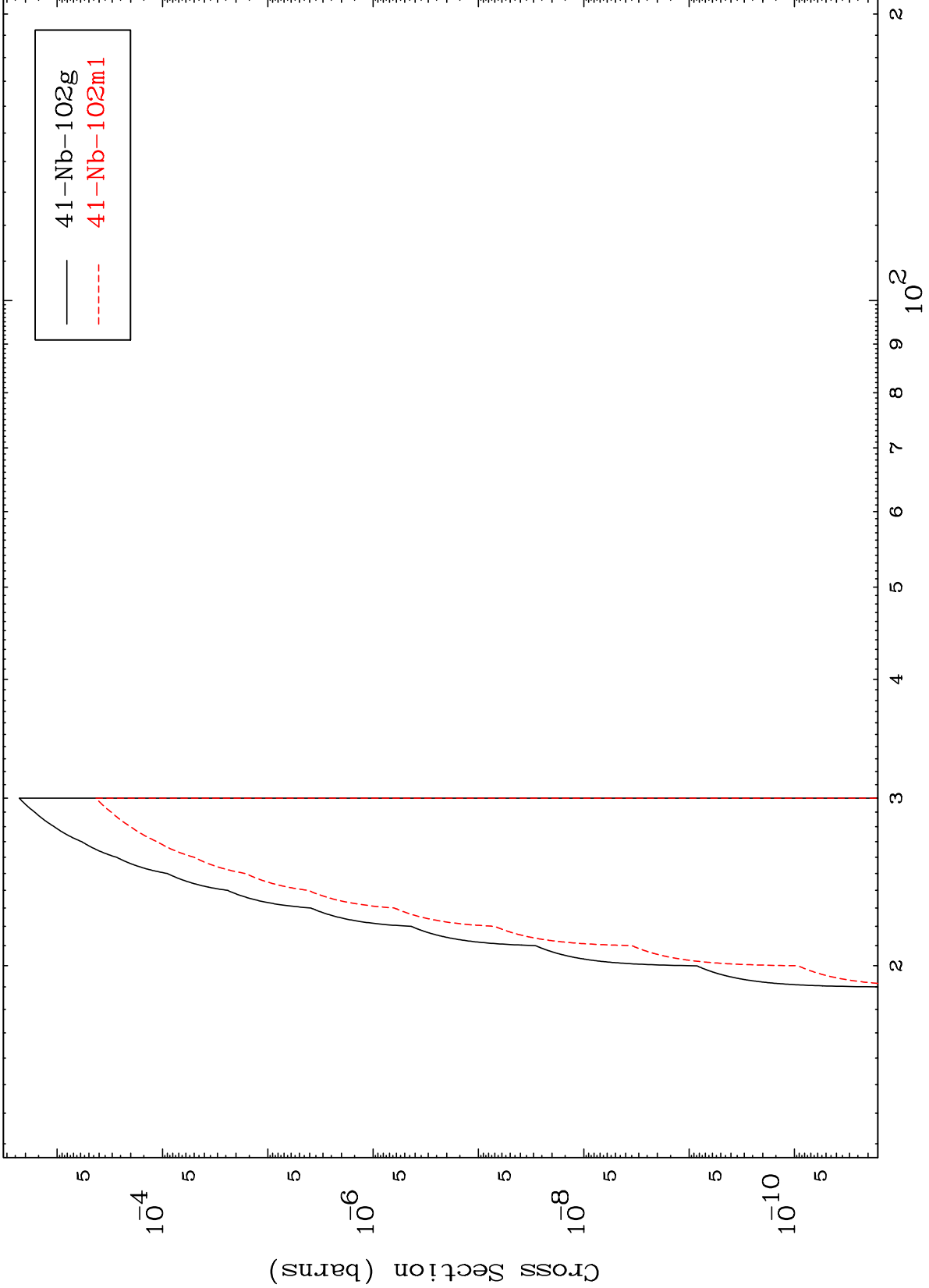


MAT 4349

(n,2n) α

43-Tc-107

Radionuclide Production Cross Section



106

Incident Energy (MeV)

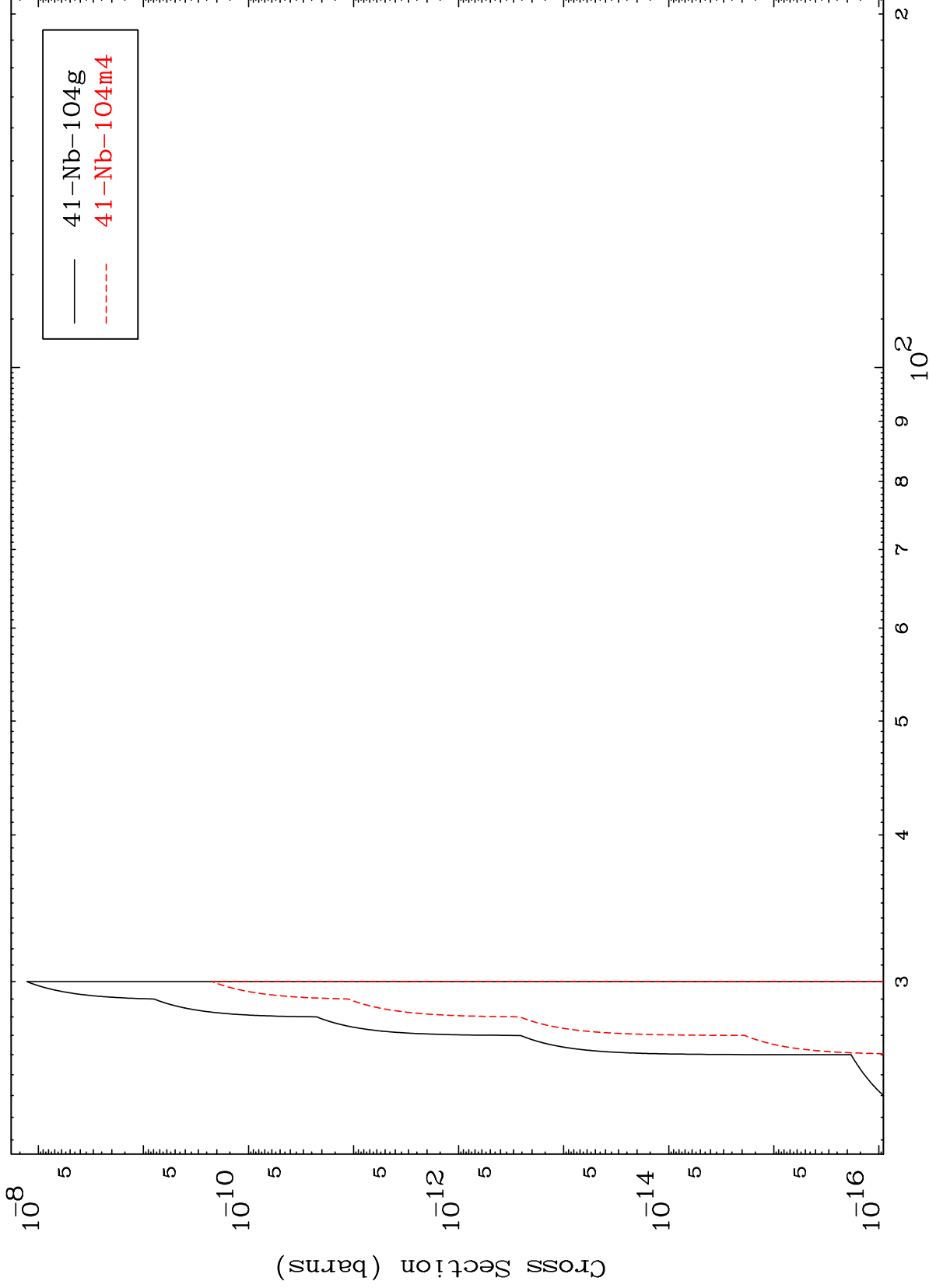
43-Tc-107

MAT 4349

(n,n') He-3

43-Tc-107

Radionuclide Production Cross Section



107

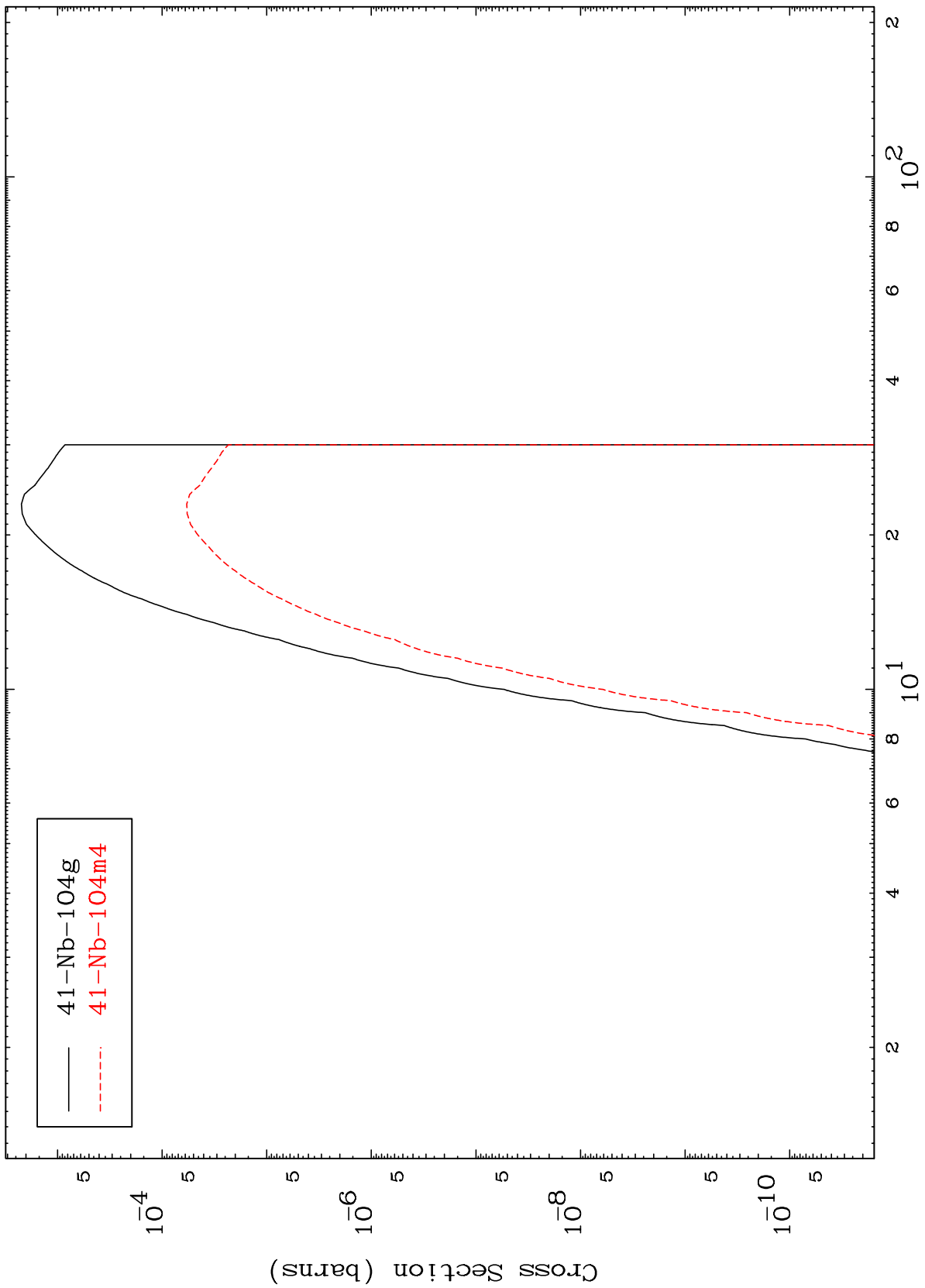
Incident Energy (MeV)

43-Tc-107

MAT 4349

43-Tc-107

(n, α)
Radionuclide Production Cross Section



— 41-Nb-104g
- - - 41-Nb-104m4

108

43-Tc-107

Incident Energy (MeV)