

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

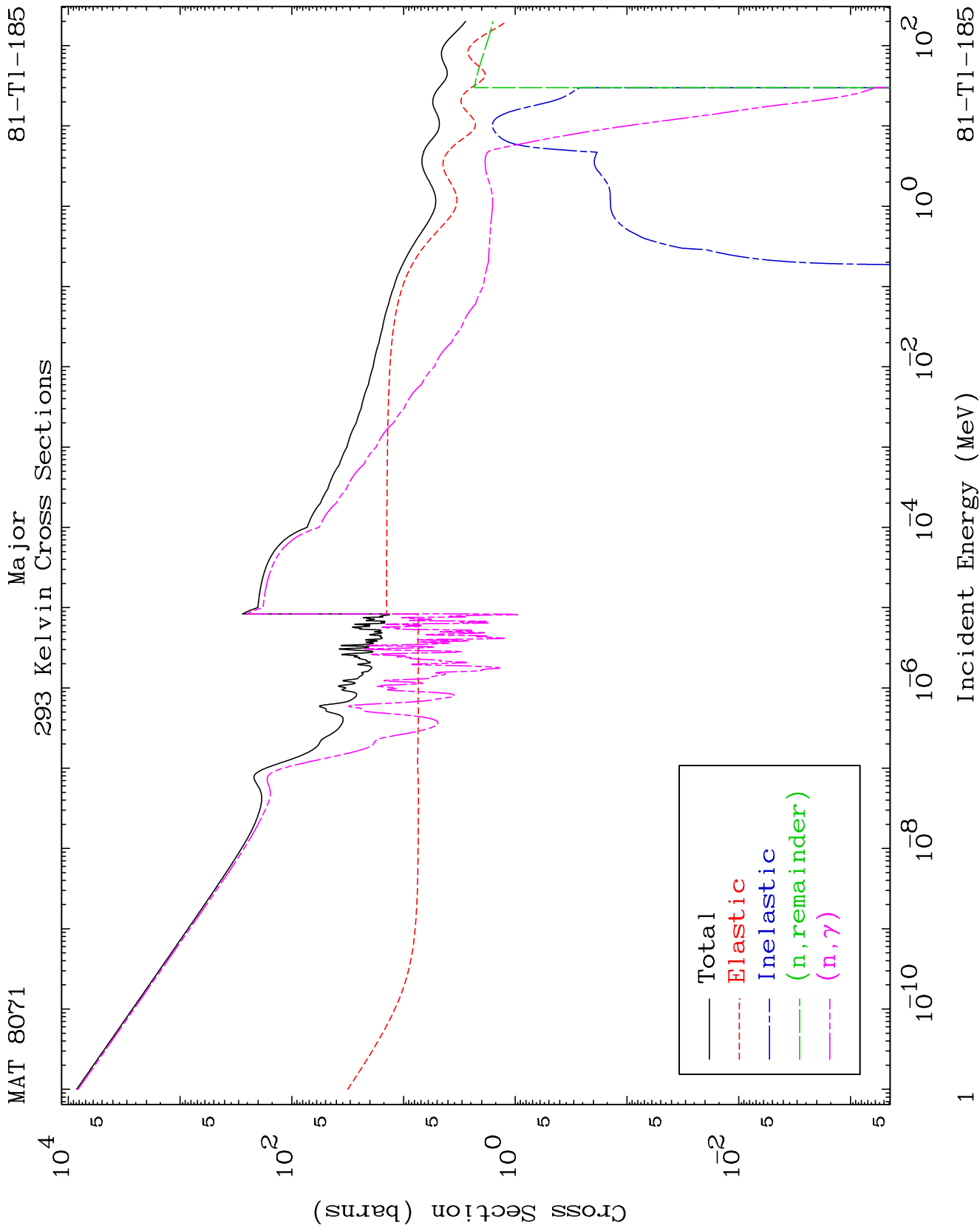
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

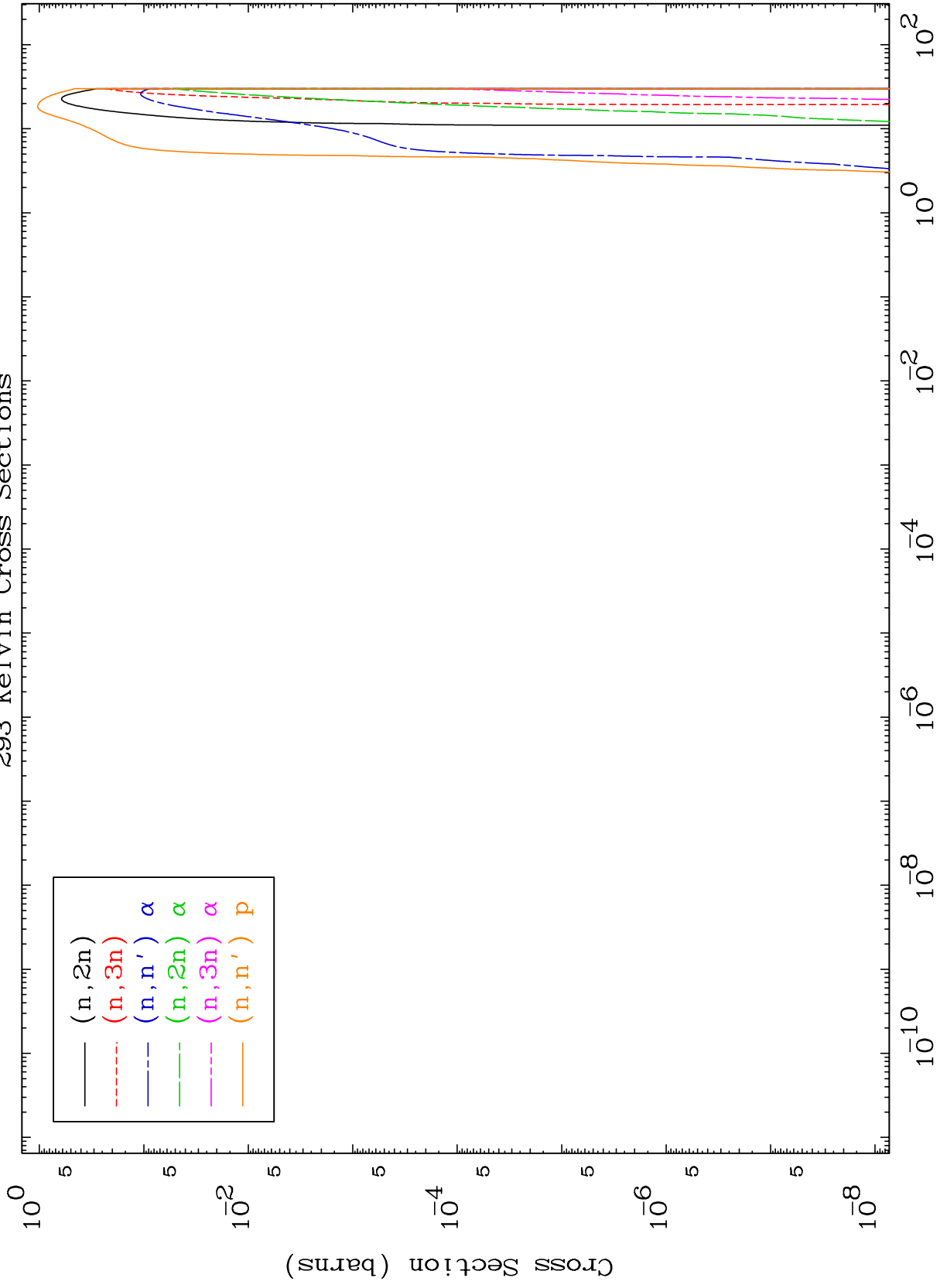
Press Mouse Button to Start



MAT 8071

Neutron Production
293 Kelvin Cross Sections

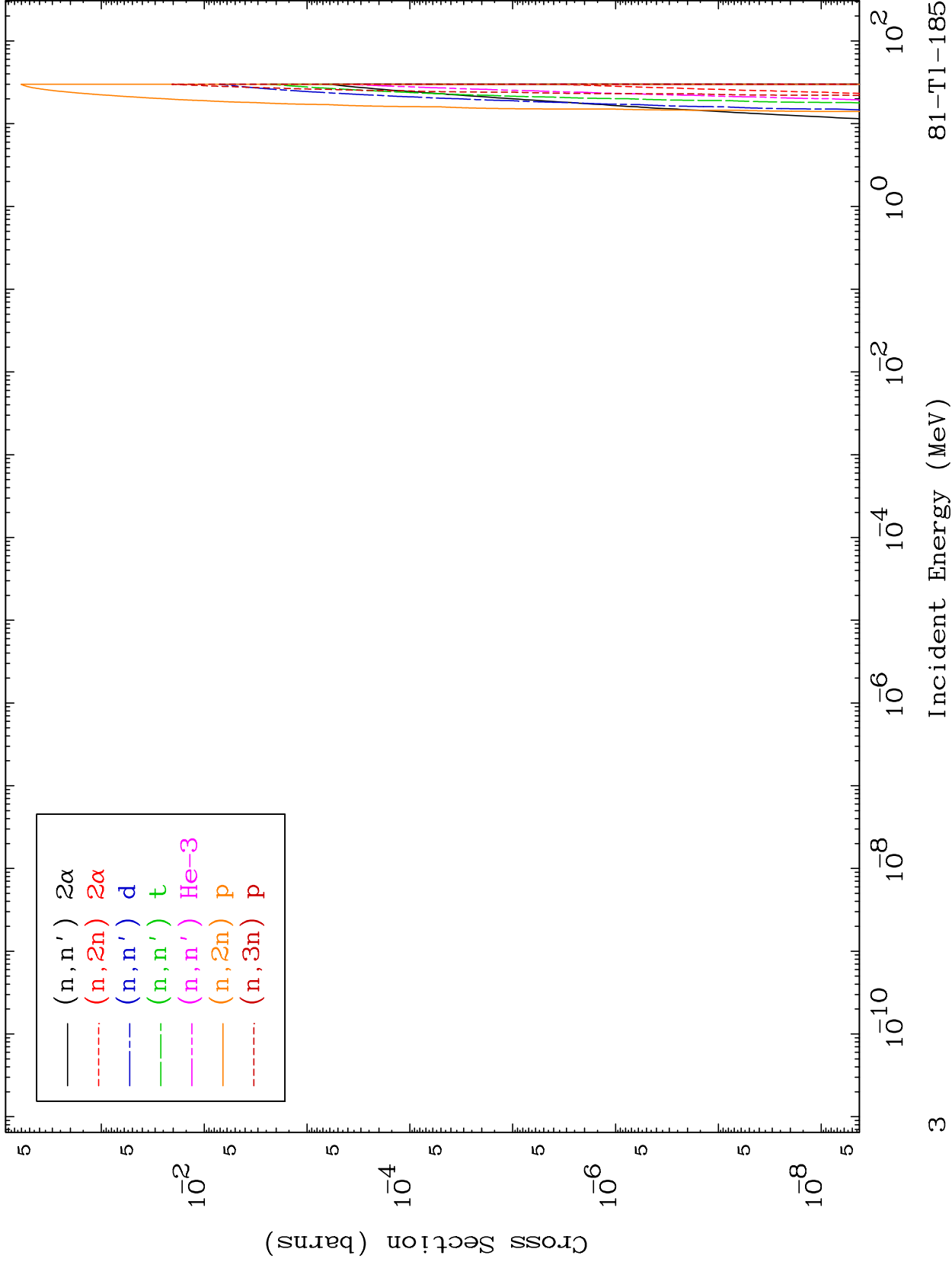
81-Tl-185



MAT 8071

Neutron Production
293 Kelvin Cross Sections

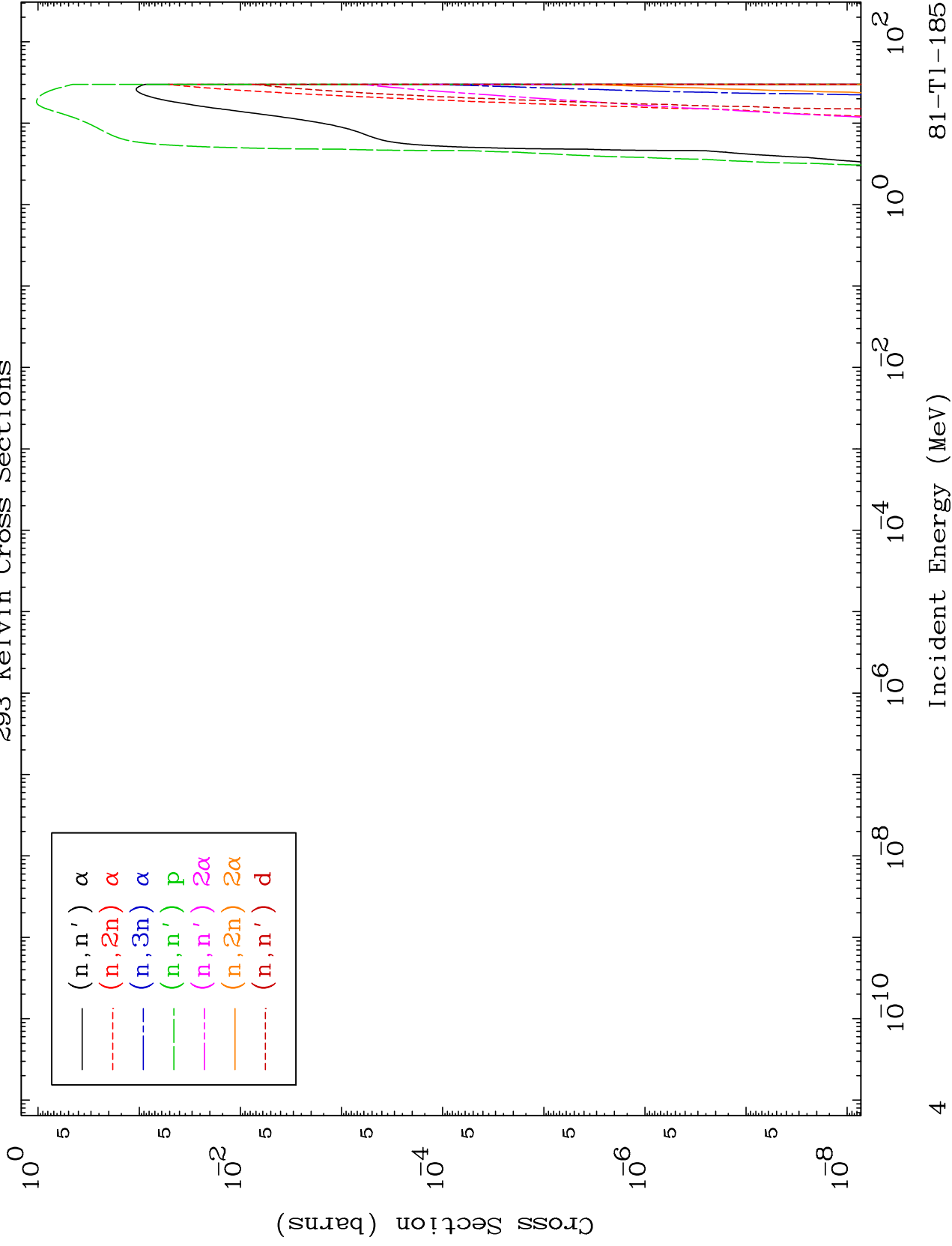
81-Tl-185



MAT 8071

Charged Particle
293 Kelvin Cross Sections

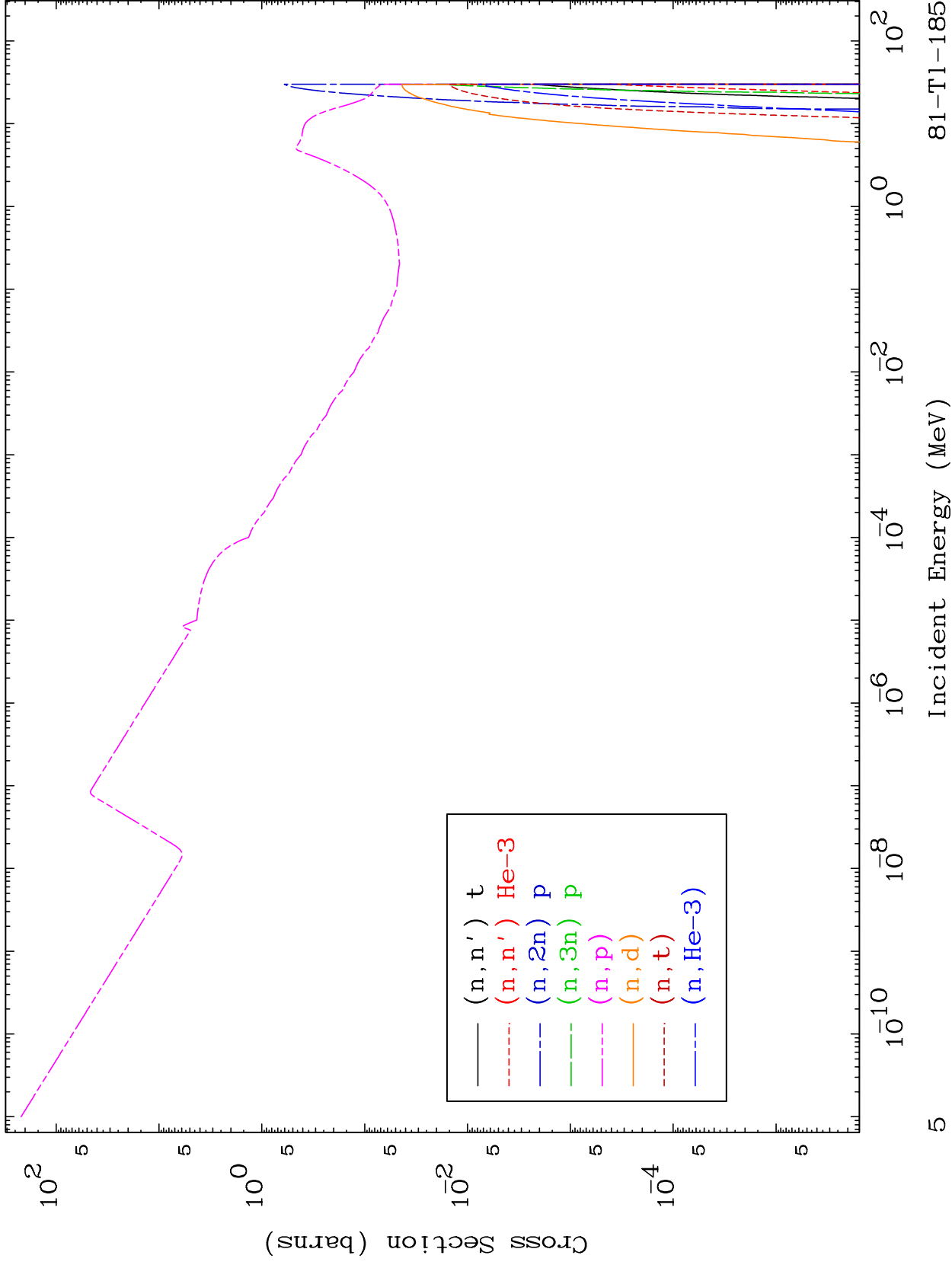
81-Tl-185



MAT 8071

Charged Particle
293 Kelvin Cross Sections

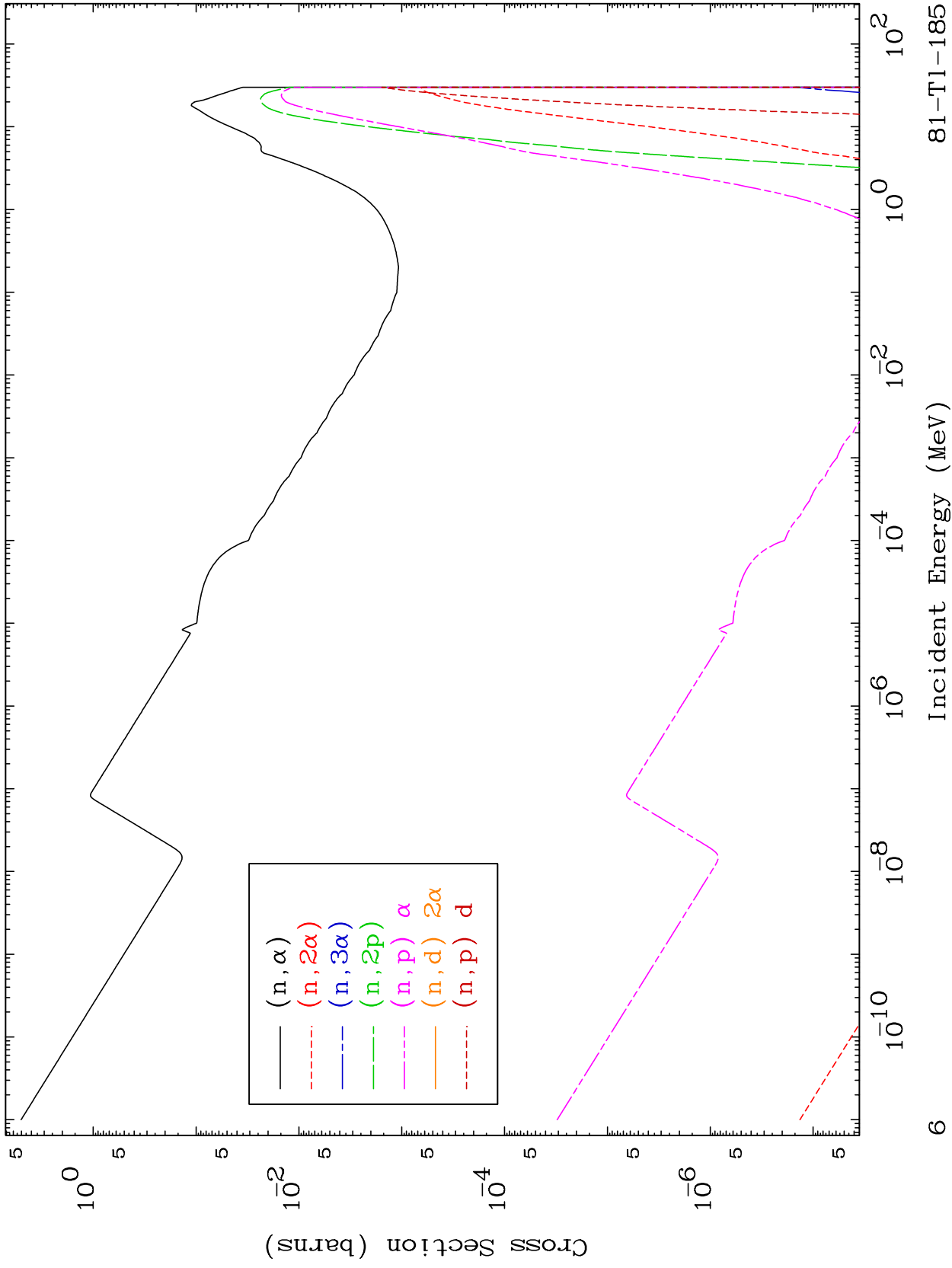
81-Tl-185



MAT 8071

Charged Particle
293 Kelvin Cross Sections

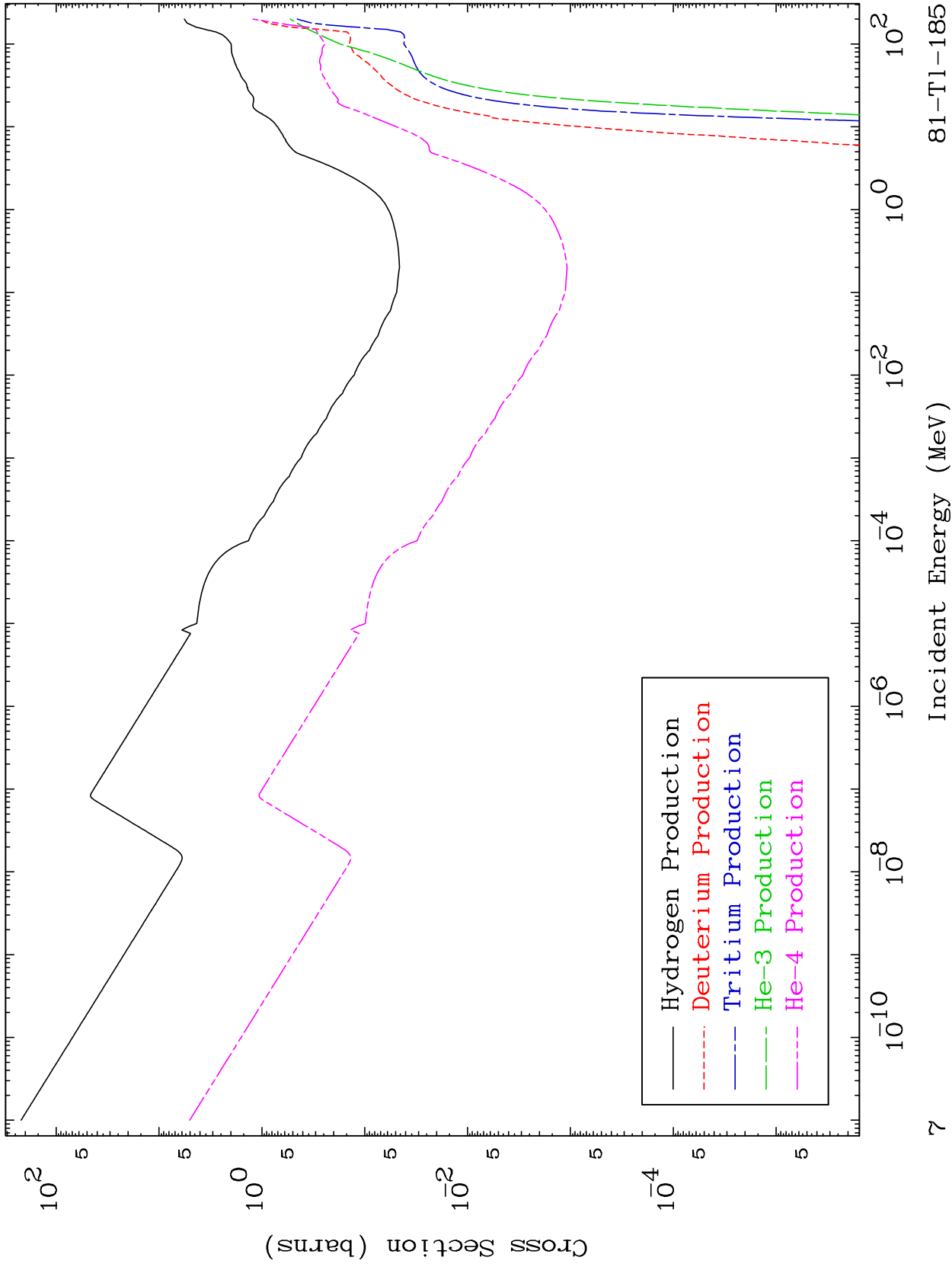
81-Tl-185



MAT 8071

Particle Production
293 Kelvin Cross Sections

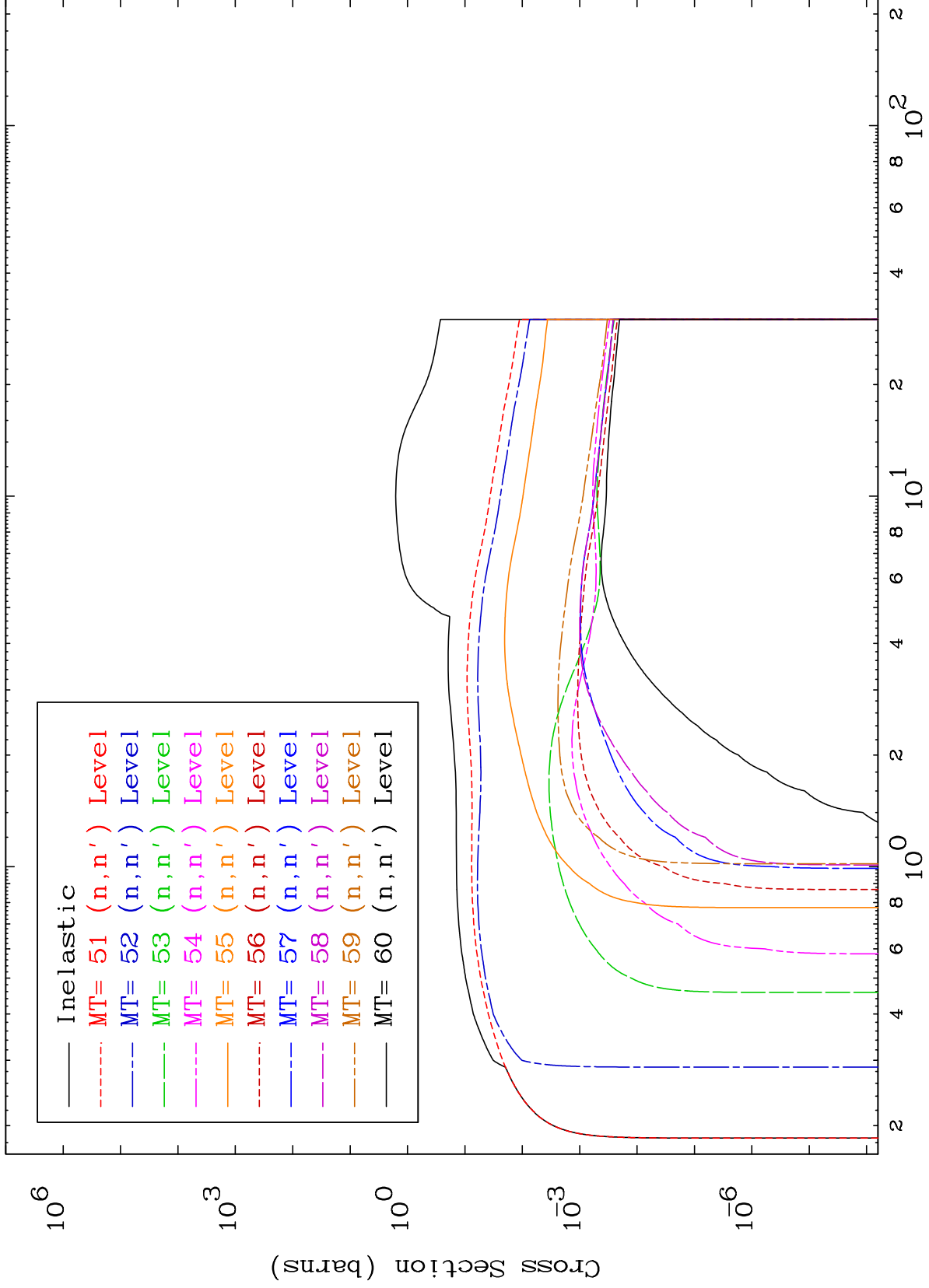
81-T1-185



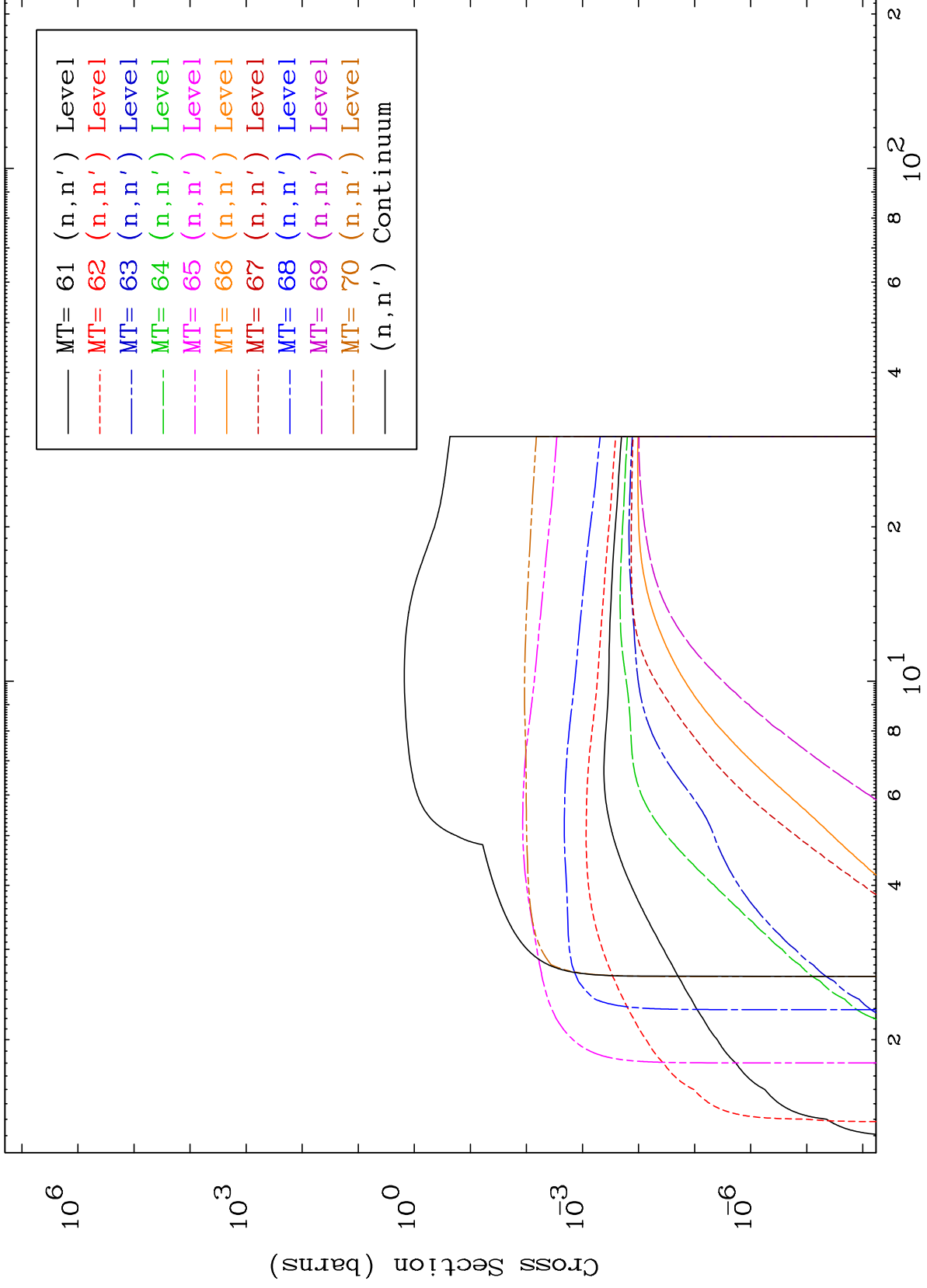
MAT 8071

(n,n') Level
293 Kelvin Cross Sections

81-Tl-185



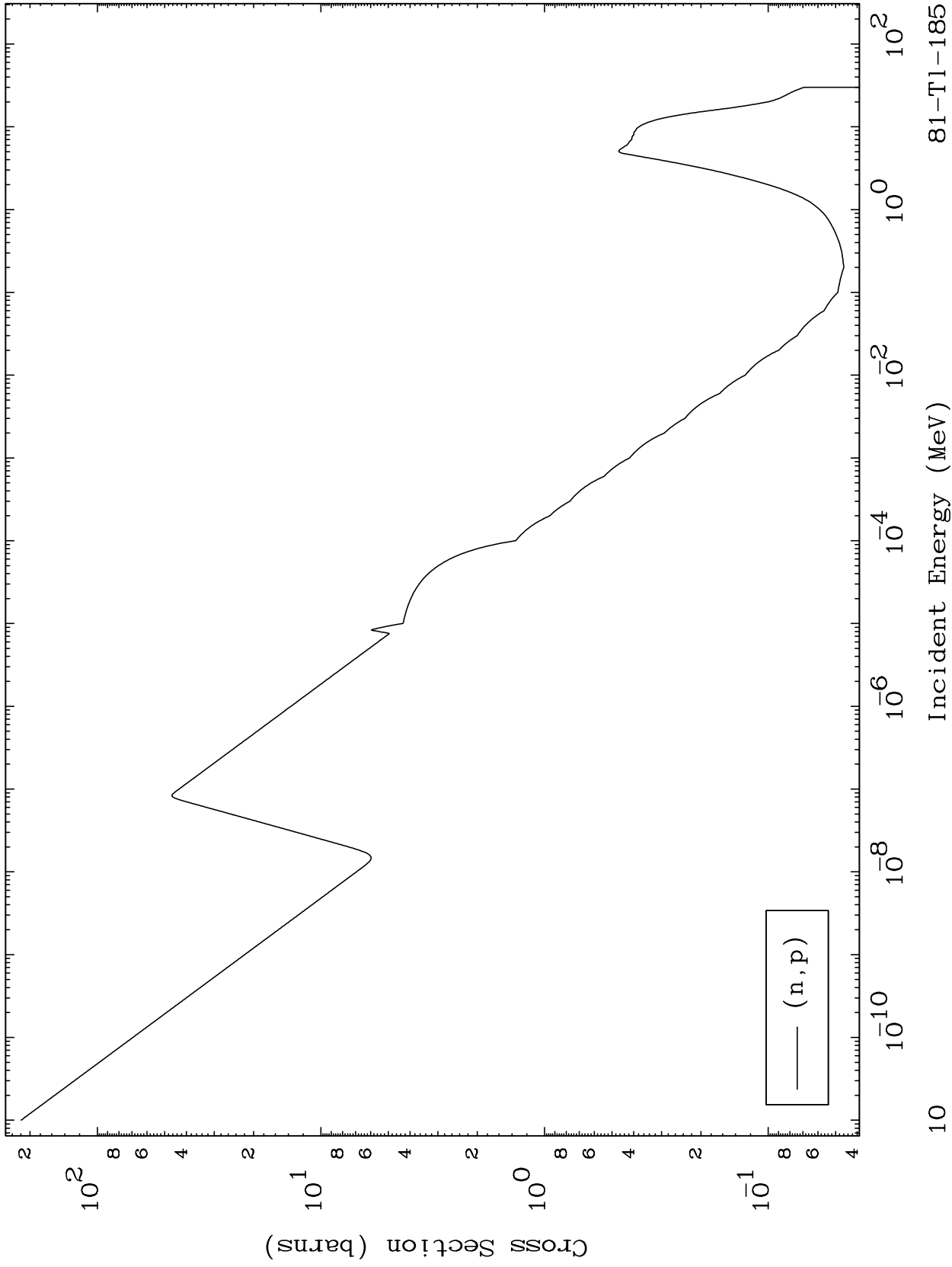
293 Kelvin Cross Sections



MAT 8071

(n,p) Levels
293 Kelvin Cross Sections

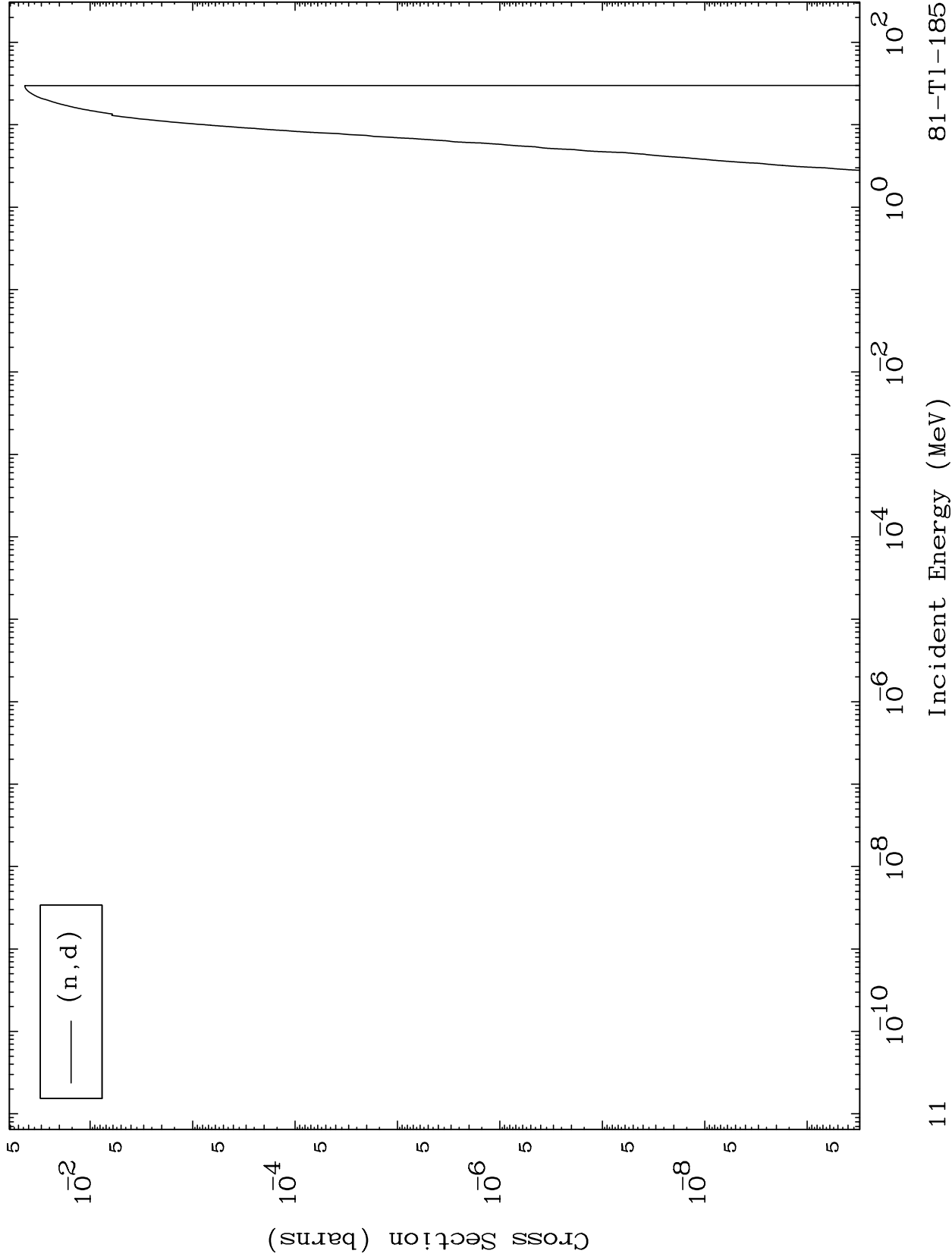
81-Tl-185



MAT 8071

(n,d) Levels
293 Kelvin Cross Sections

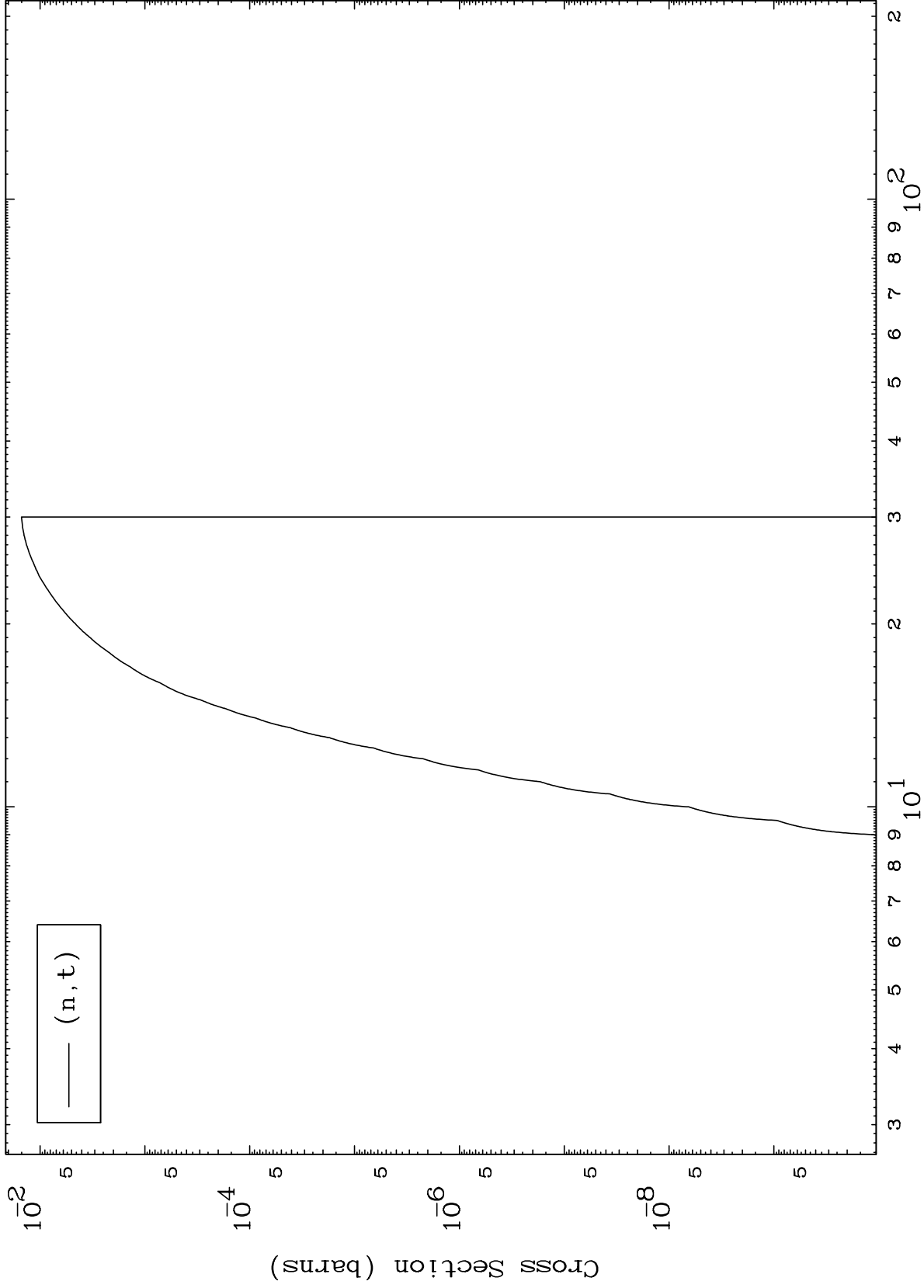
81-Tl-185



MAT 8071

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-185



12

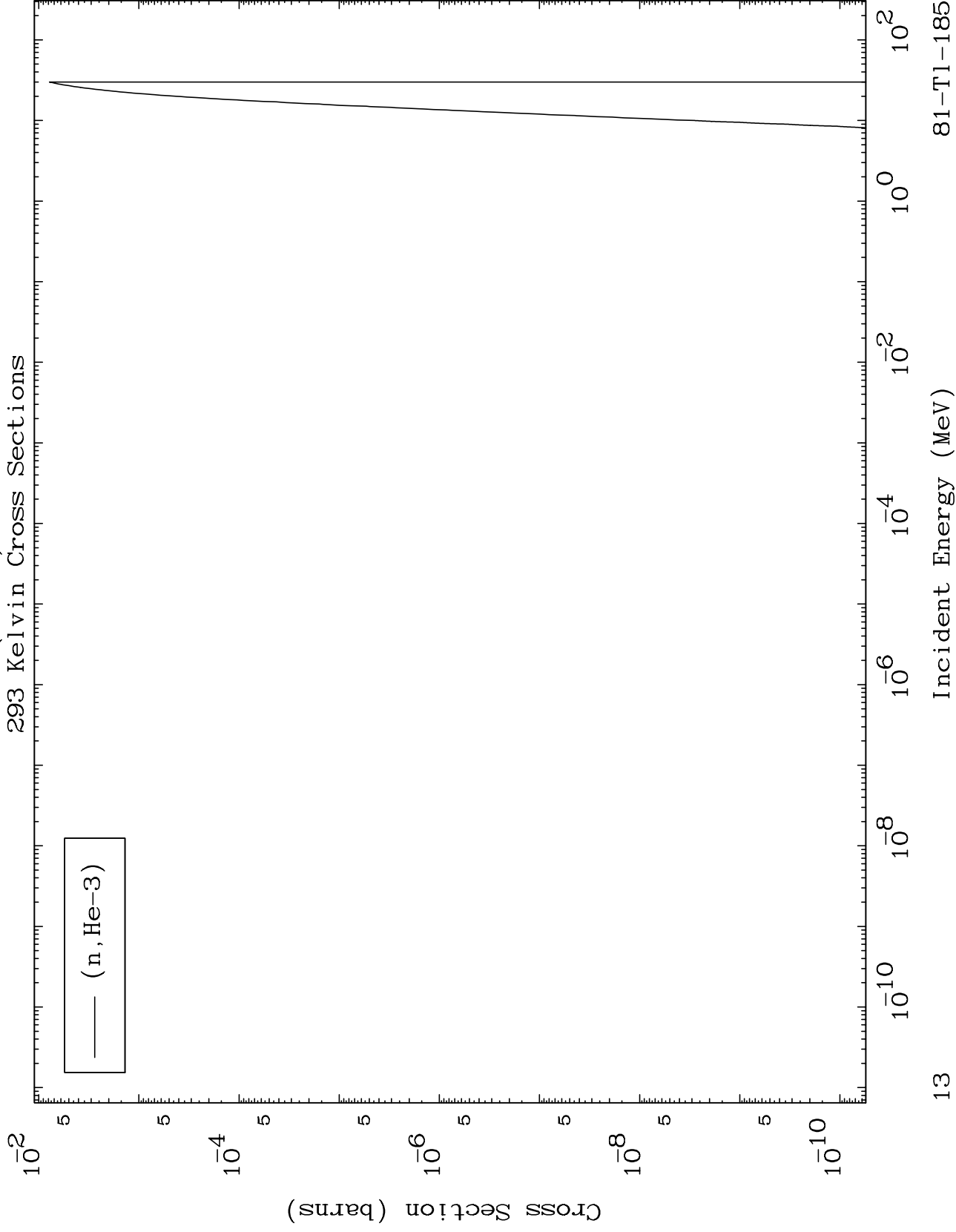
Incident Energy (MeV)

81-Tl-185

MAT 8071

(n,He3) Levels
293 Kelvin Cross Sections

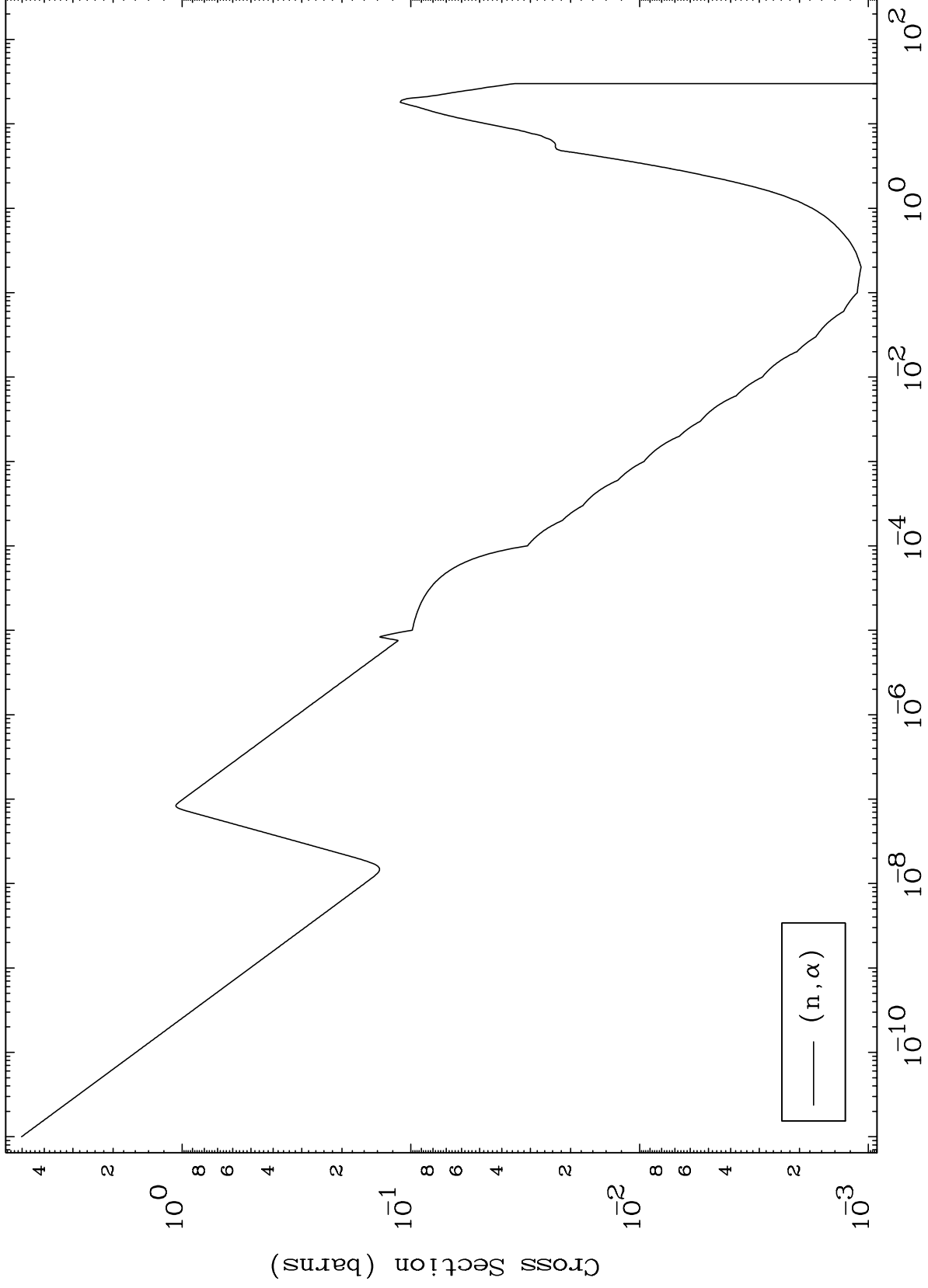
81-T1-185

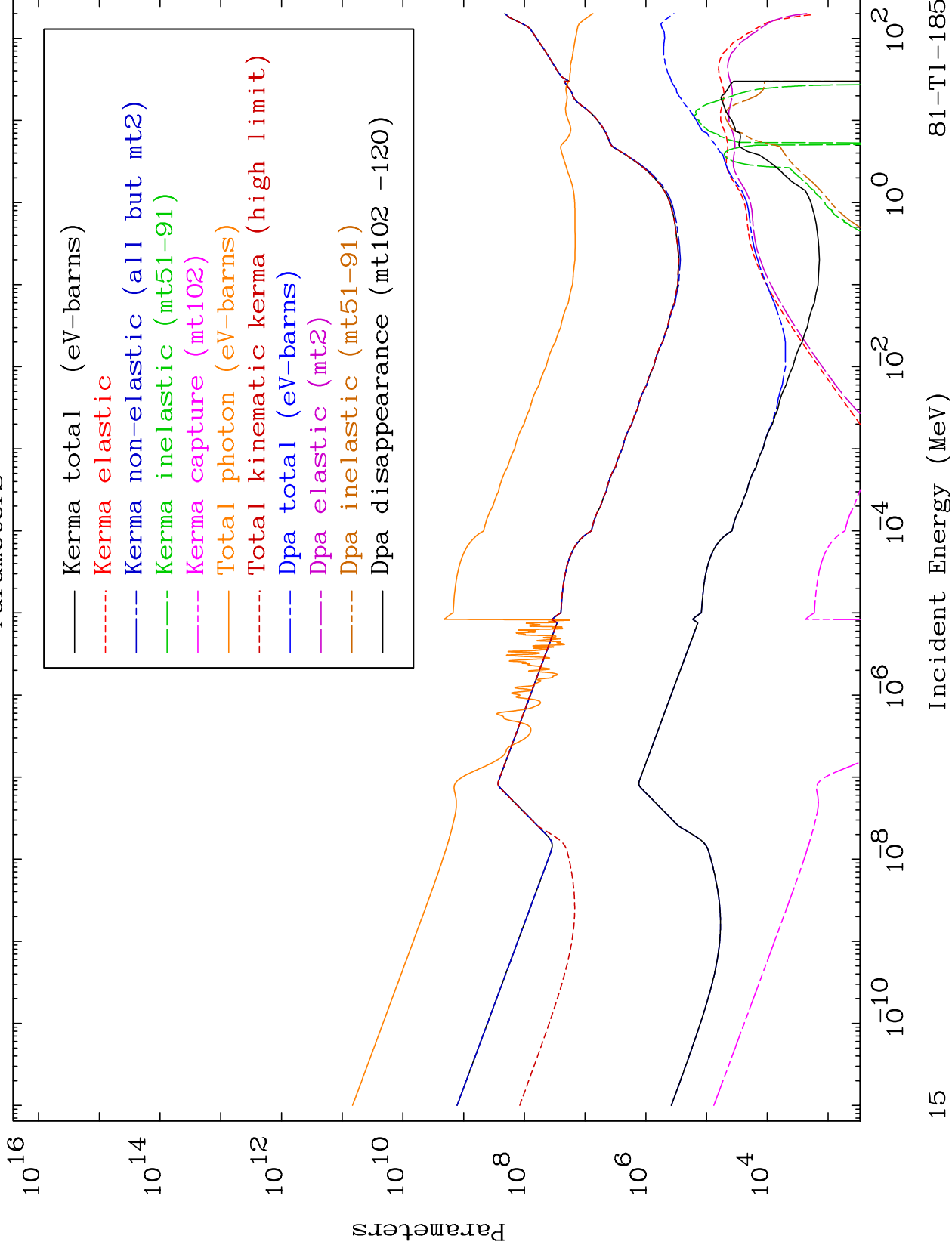


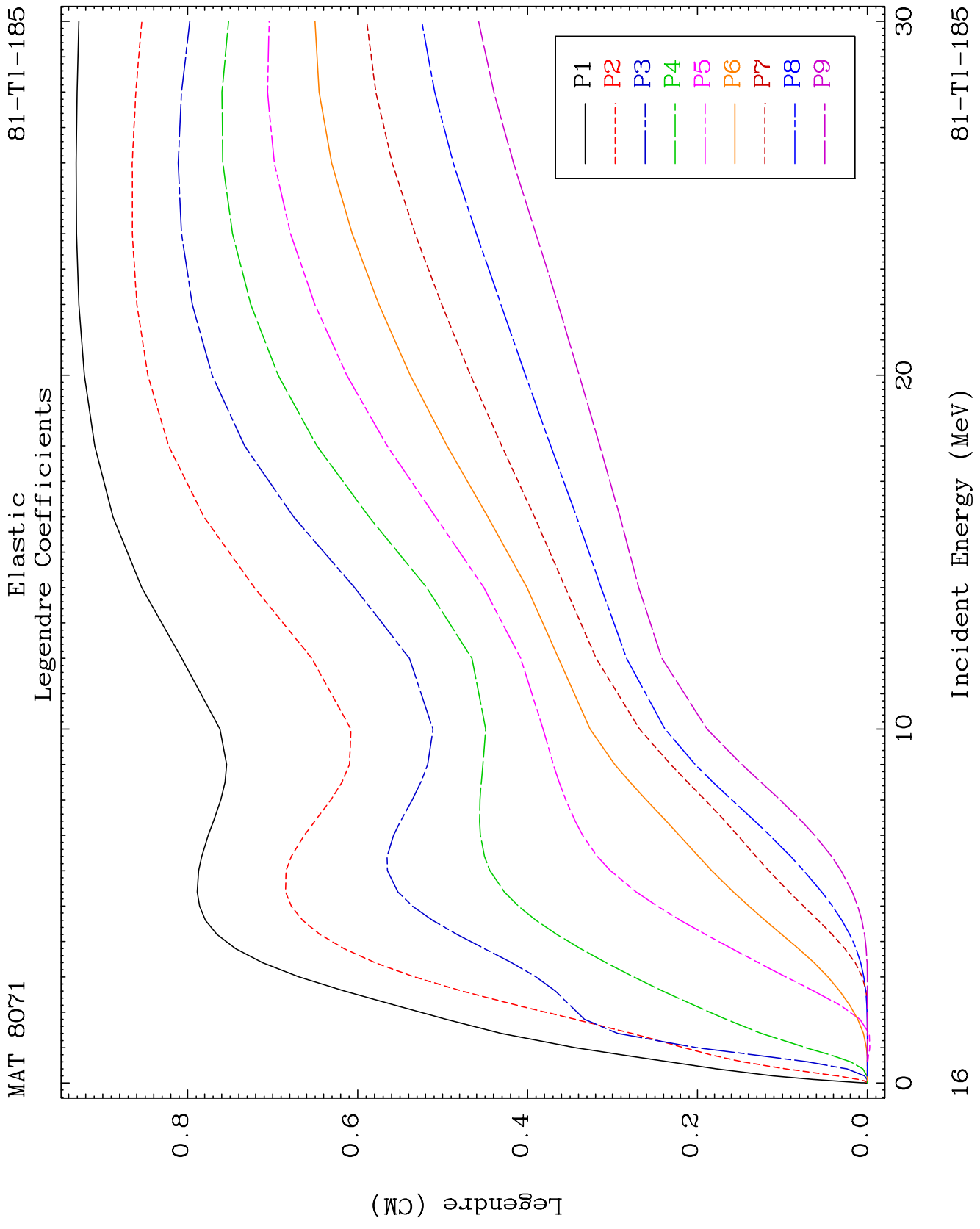
MAT 8071

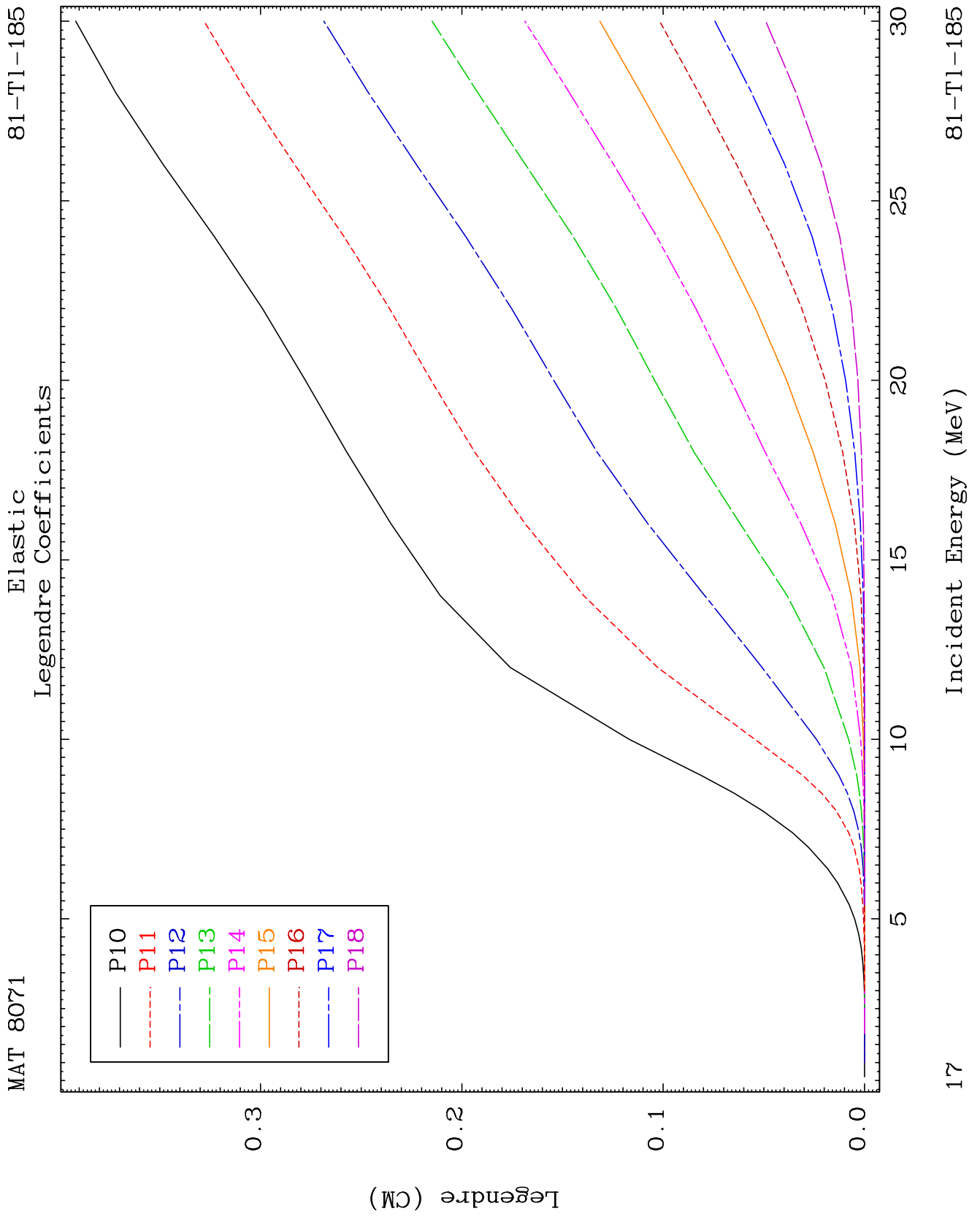
(n,α) Levels
293 Kelvin Cross Sections

81-Tl-185





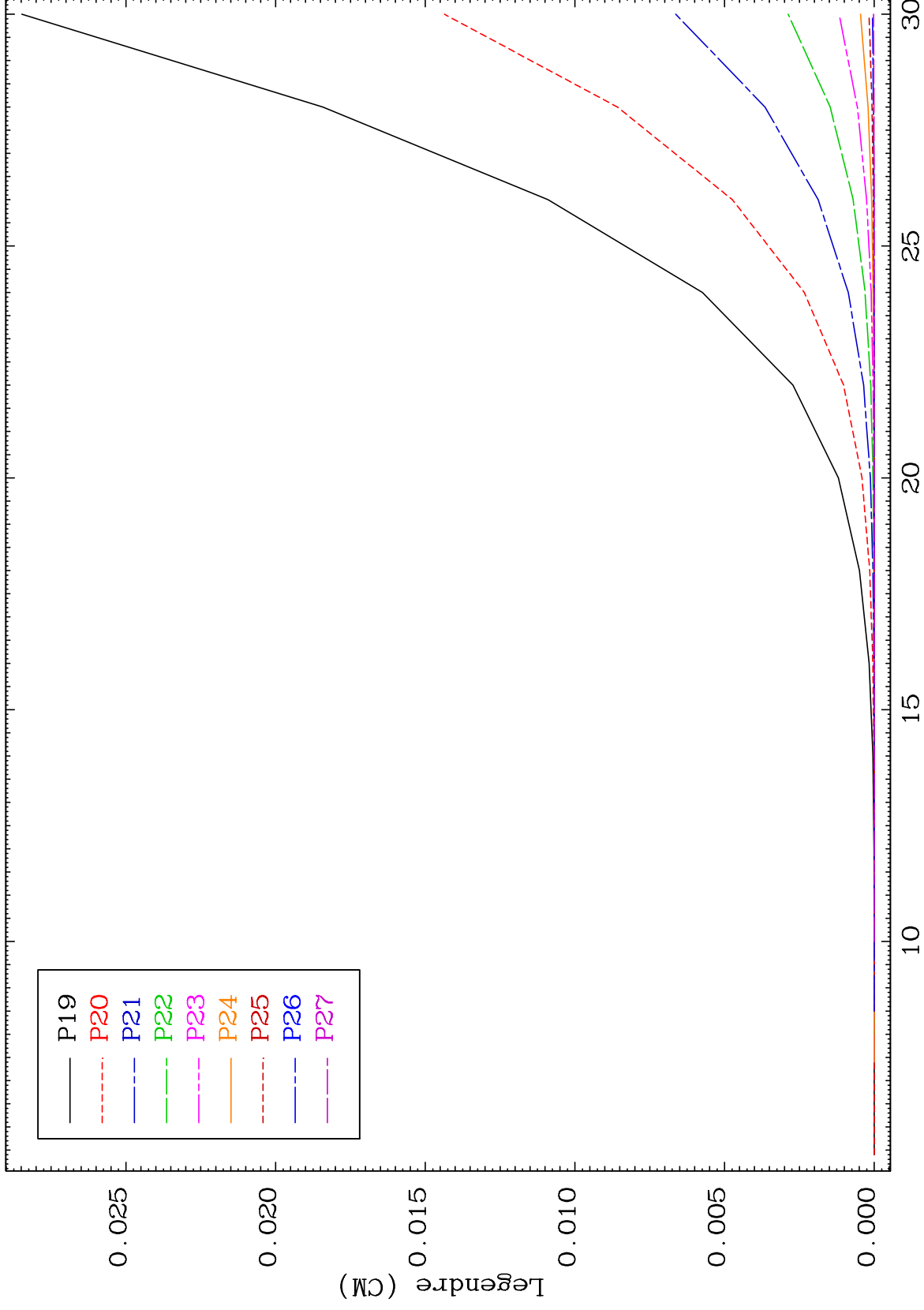




MAT 8071

Elastic Legendre Coefficients

81-T1-185



18

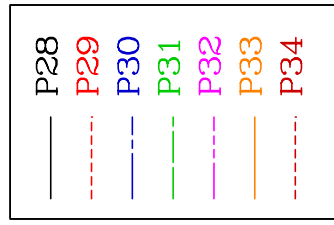
Incident Energy (MeV)

81-T1-185

MAT 8071

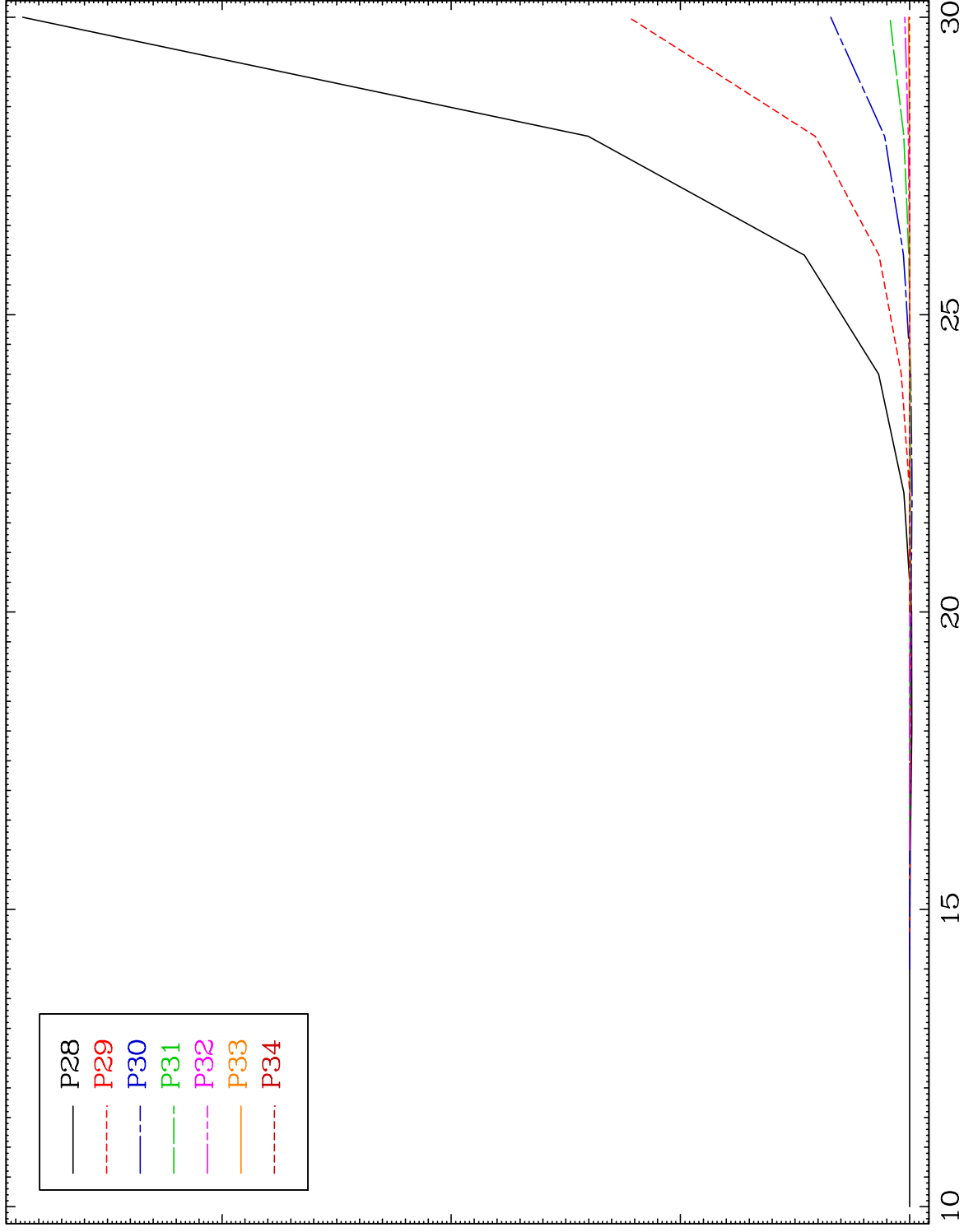
Elastic Legendre Coefficients

81-T1-185



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

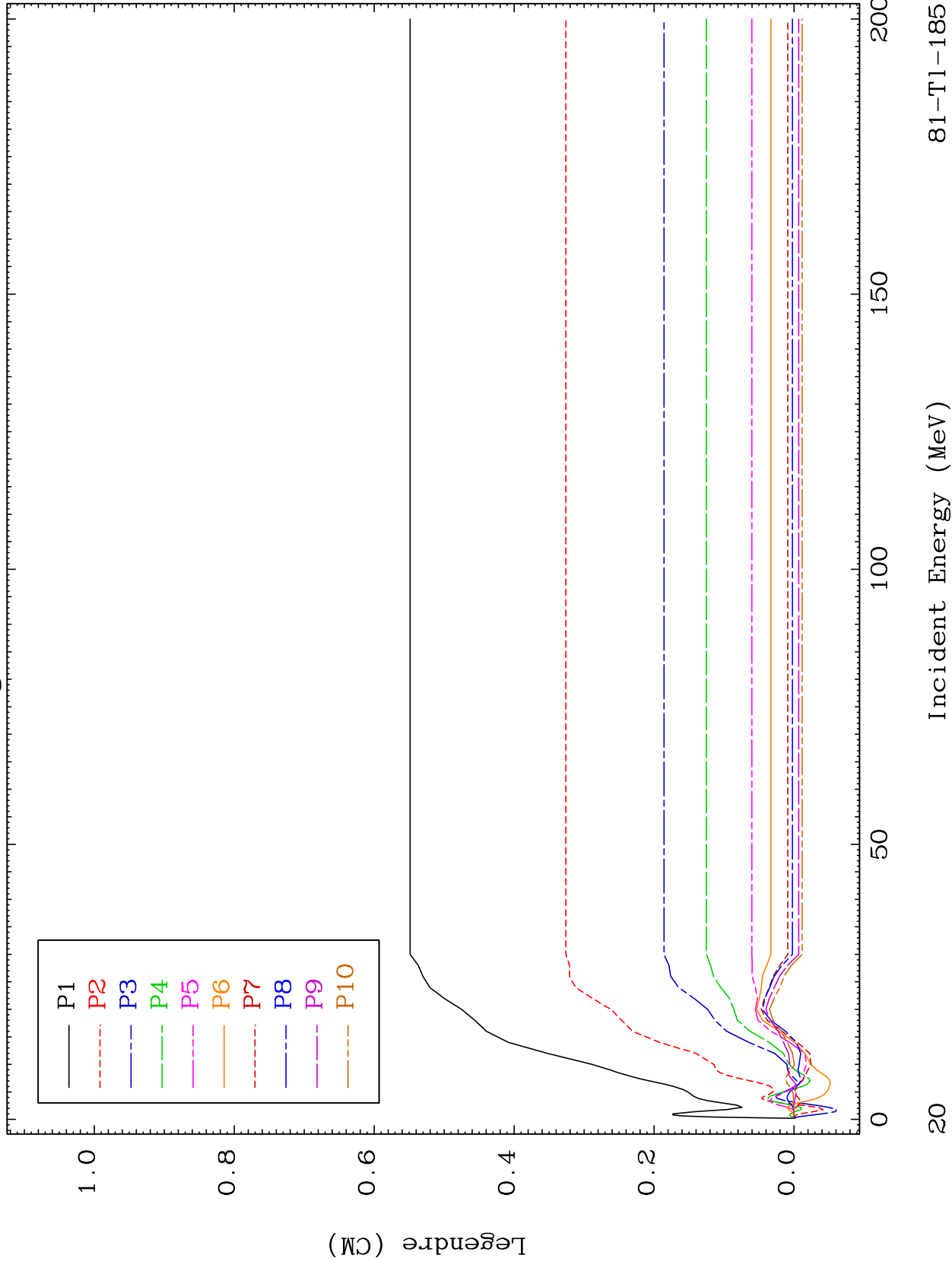
Incident Energy (MeV)

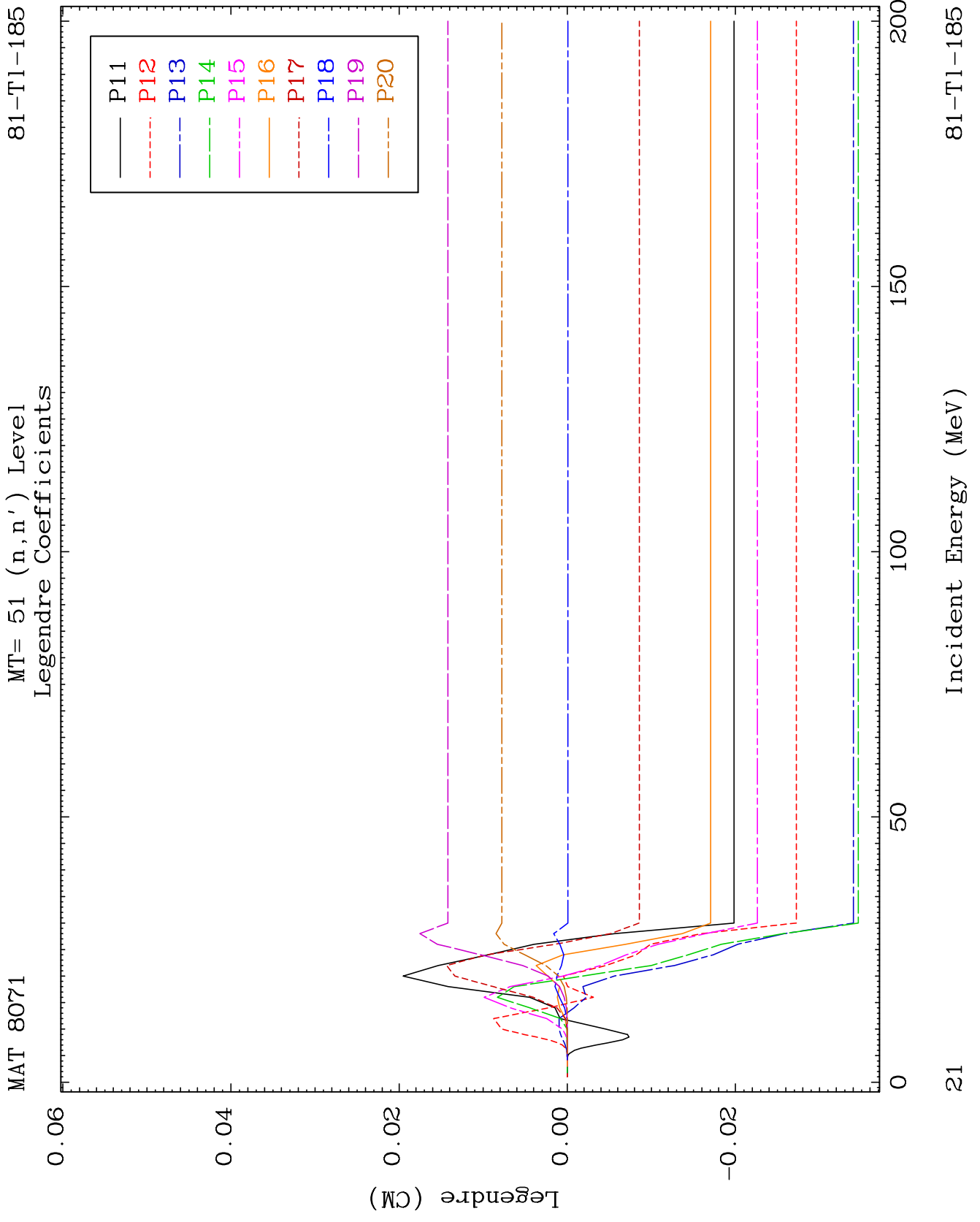
81-T1-185

MAT 8071

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

81-Tl-185

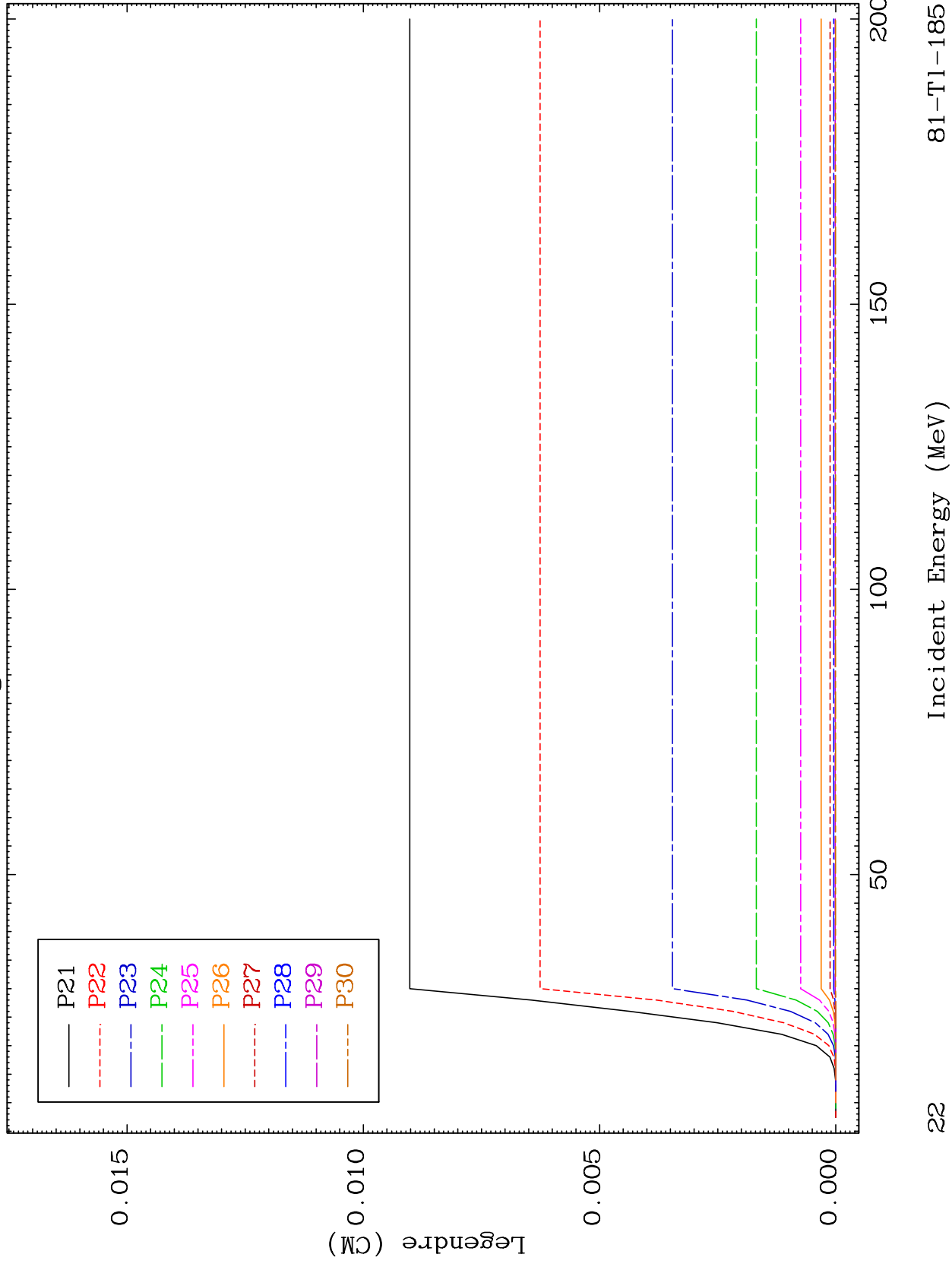




MAT 8071

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

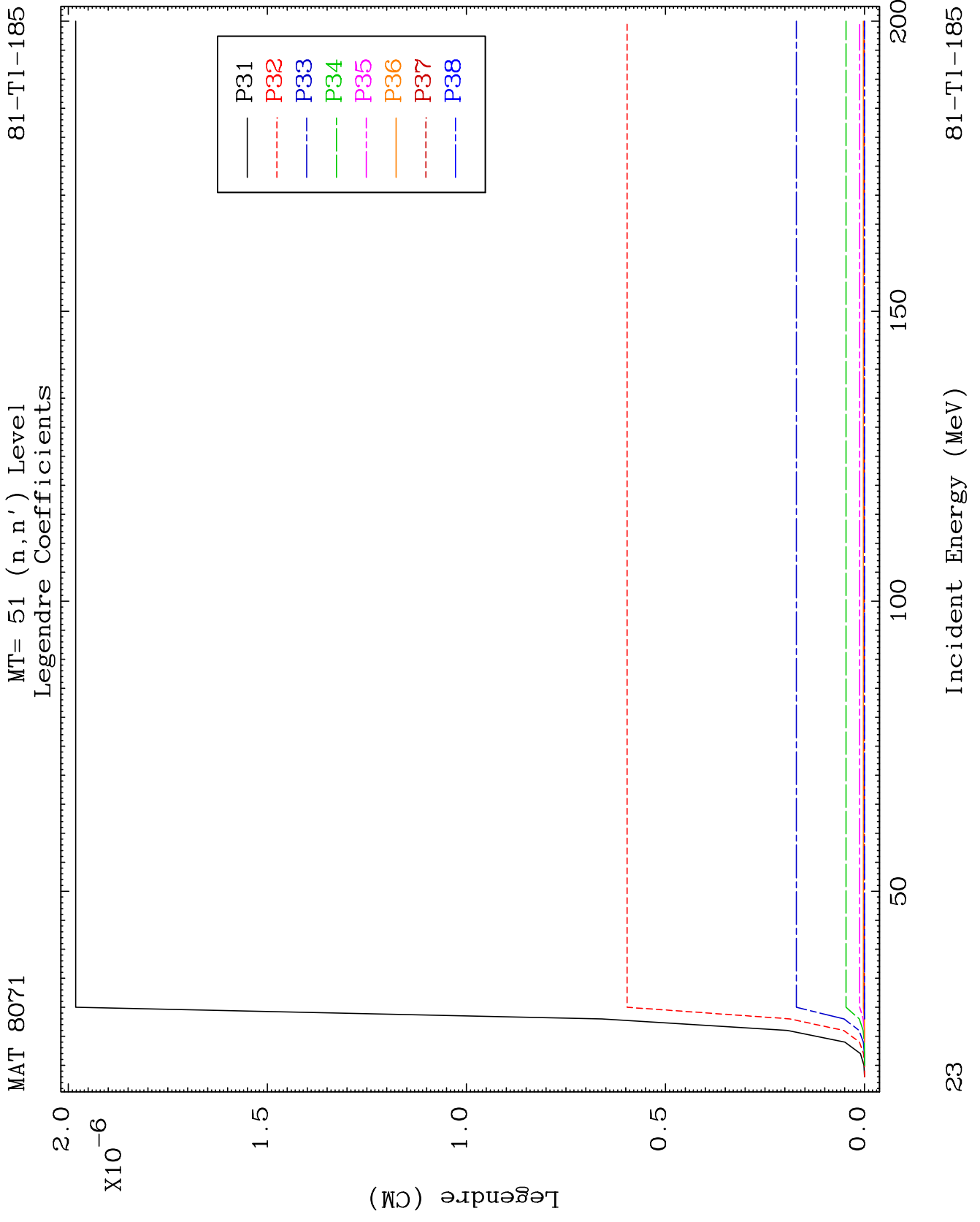
81-Tl-185



22

Incident Energy (MeV)

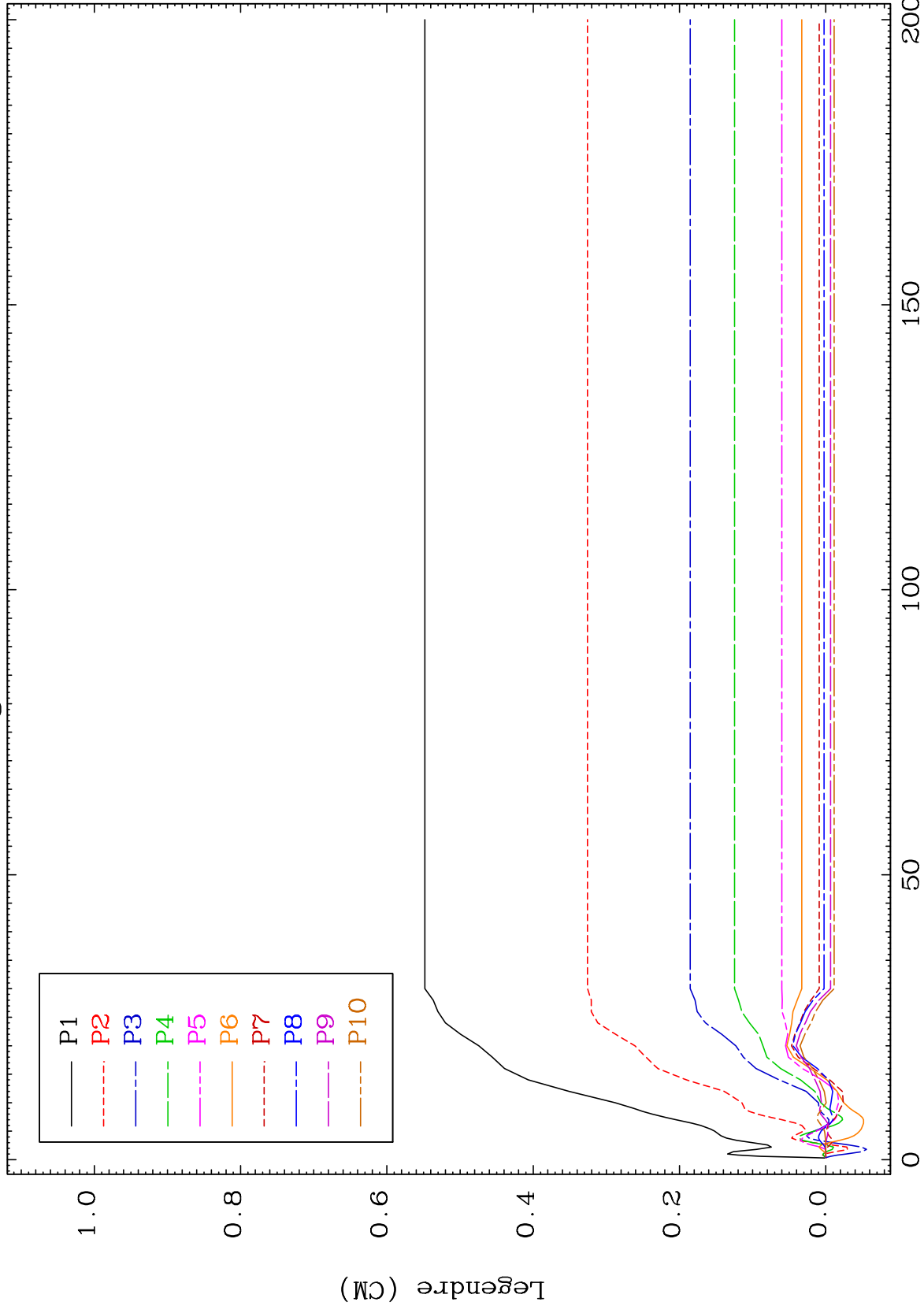
81-Tl-185



MAT 8071

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

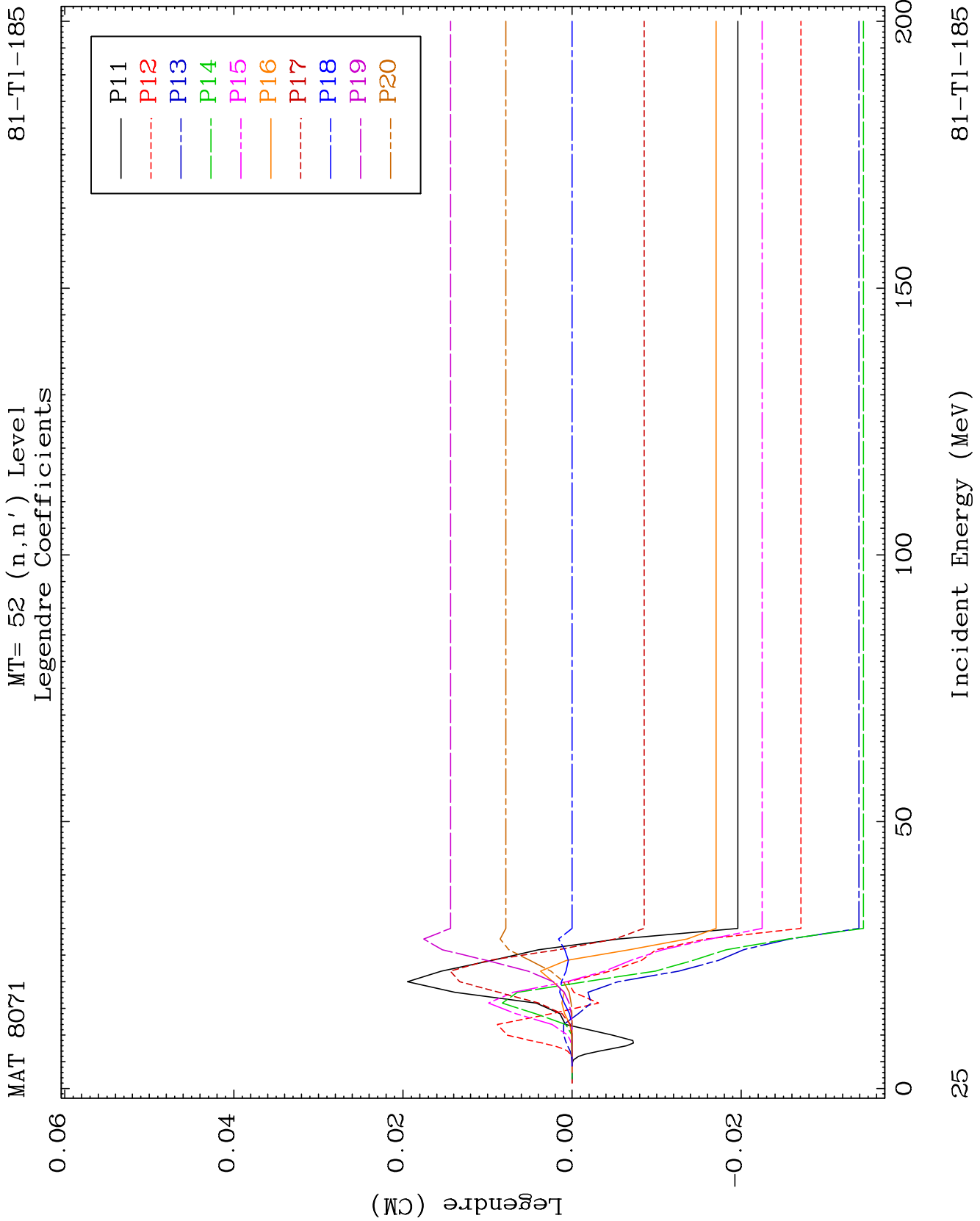
81-Tl-185



24

Incident Energy (MeV)

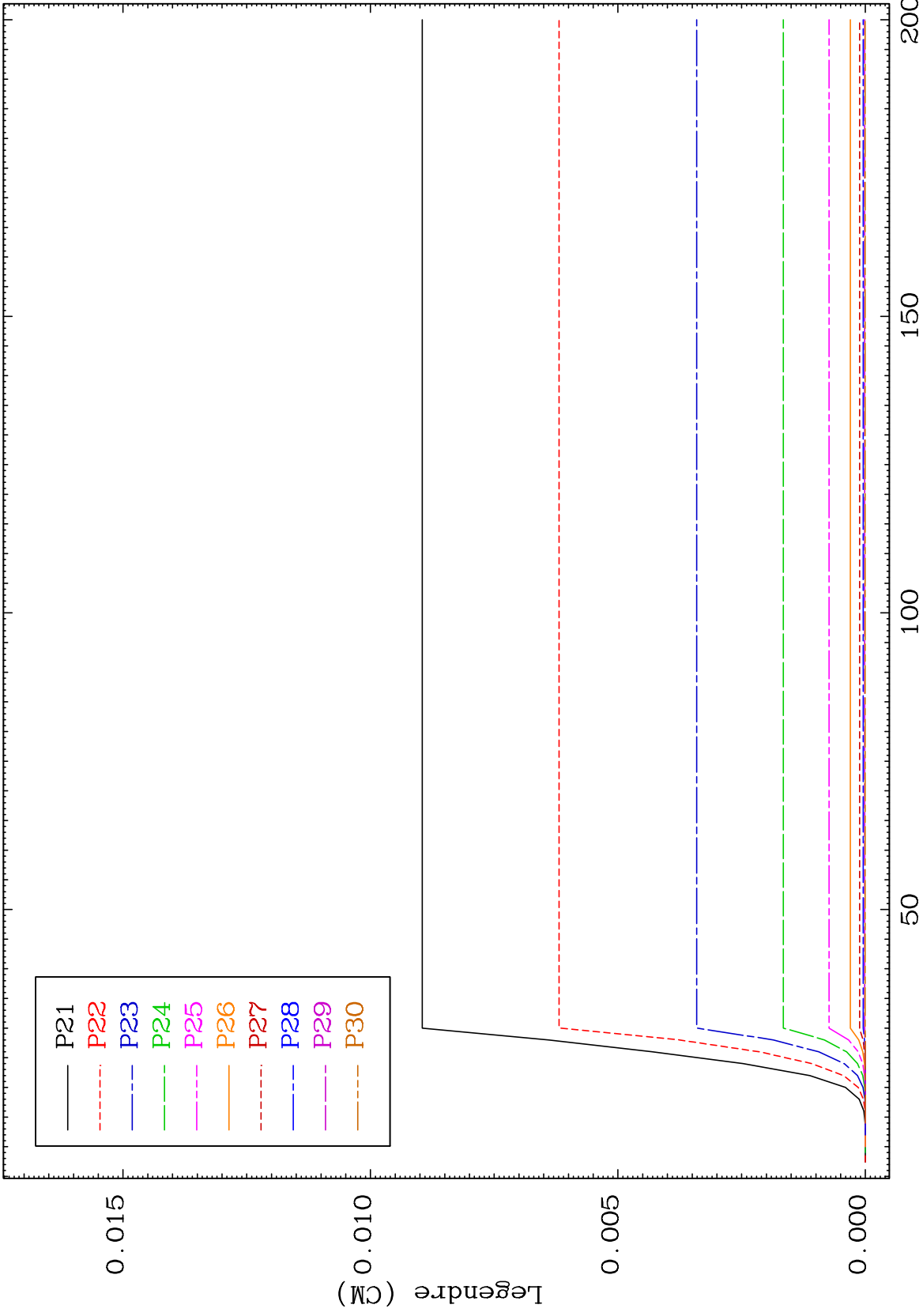
81-Tl-185



MAT 8071

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

81-Tl-185



26

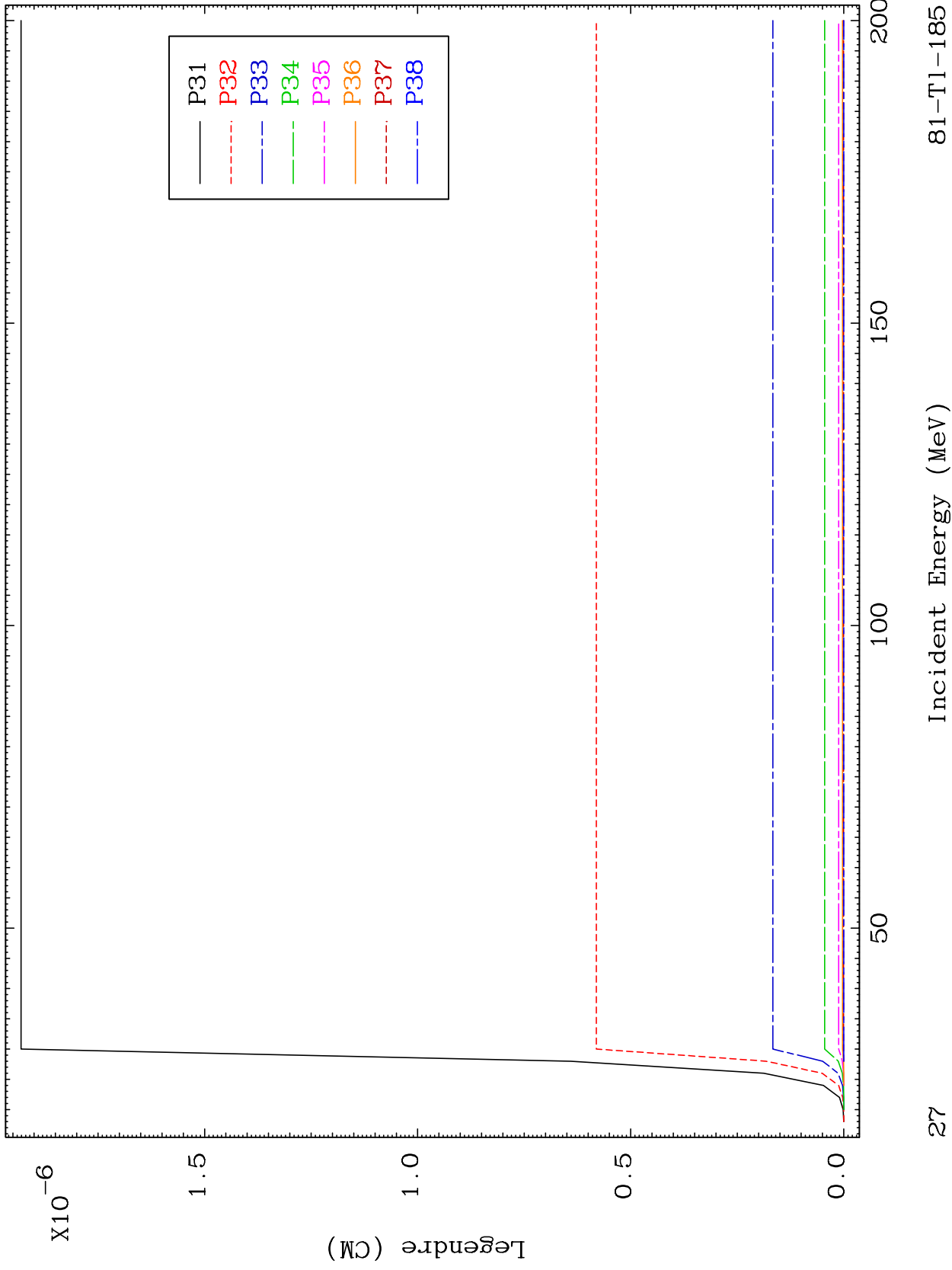
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-Tl-185



27

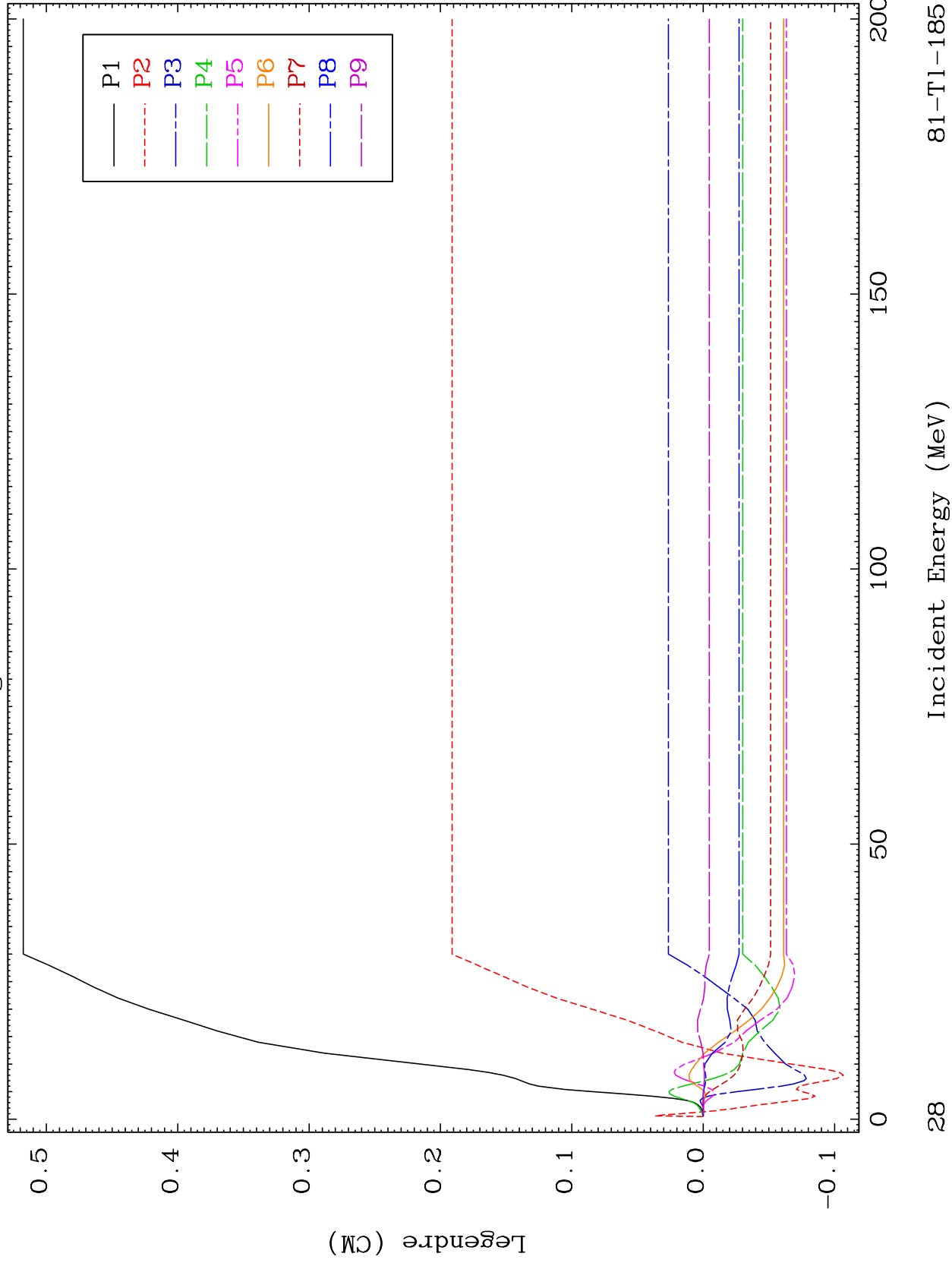
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-Tl-185



81-Tl-185

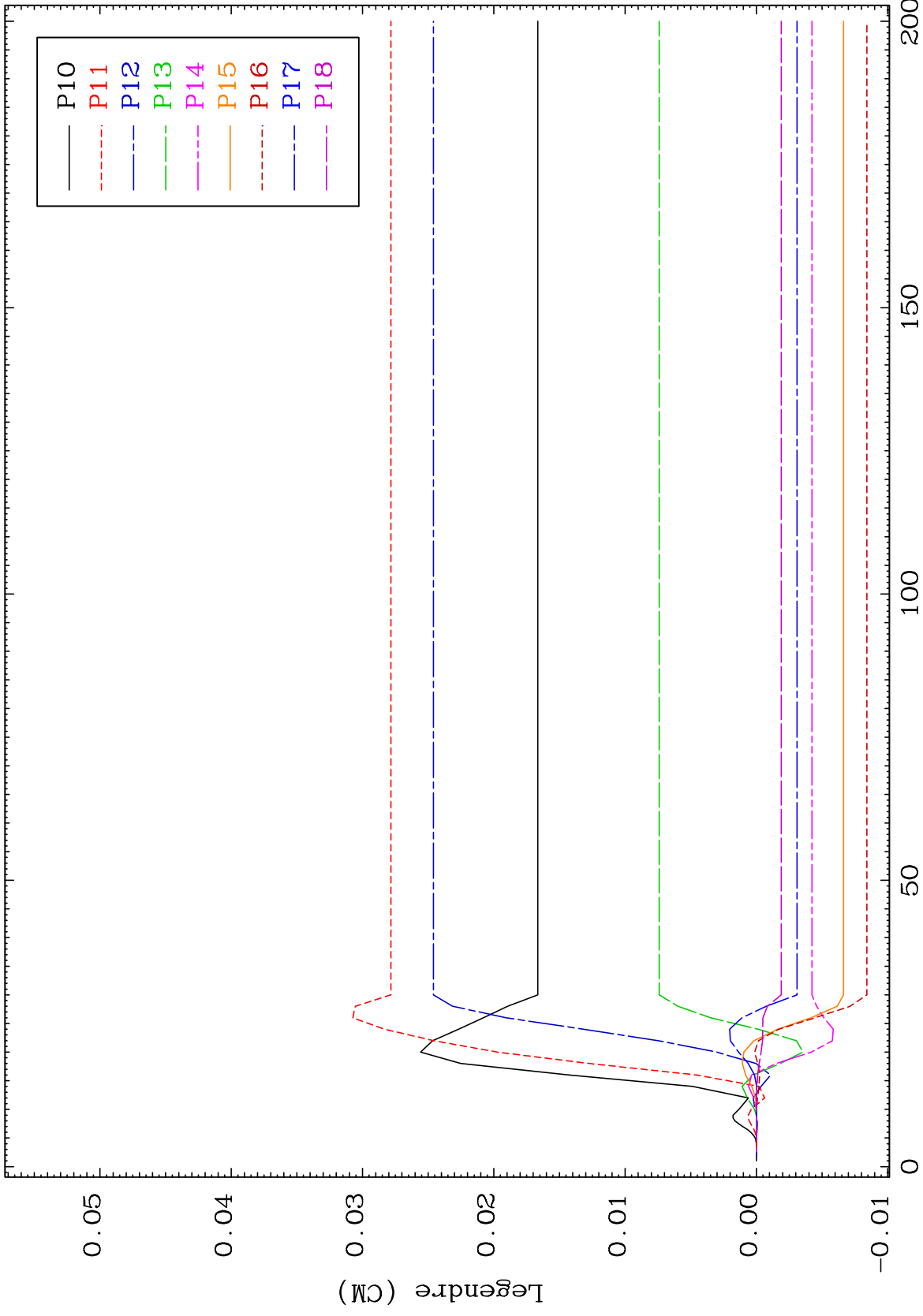
Incident Energy (MeV)

28

MAT 8071

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

81-Tl-185



29

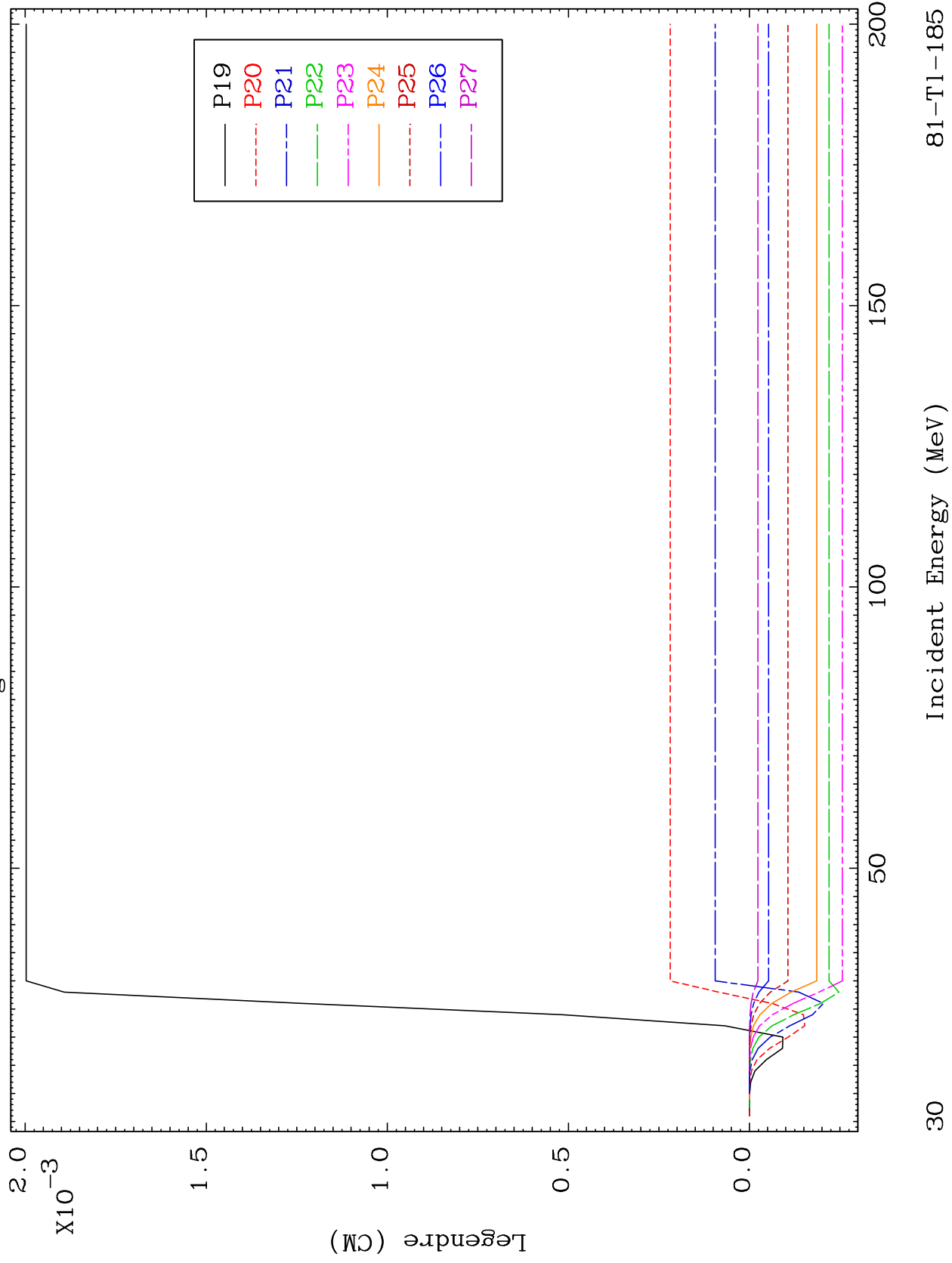
Incident Energy (MeV)

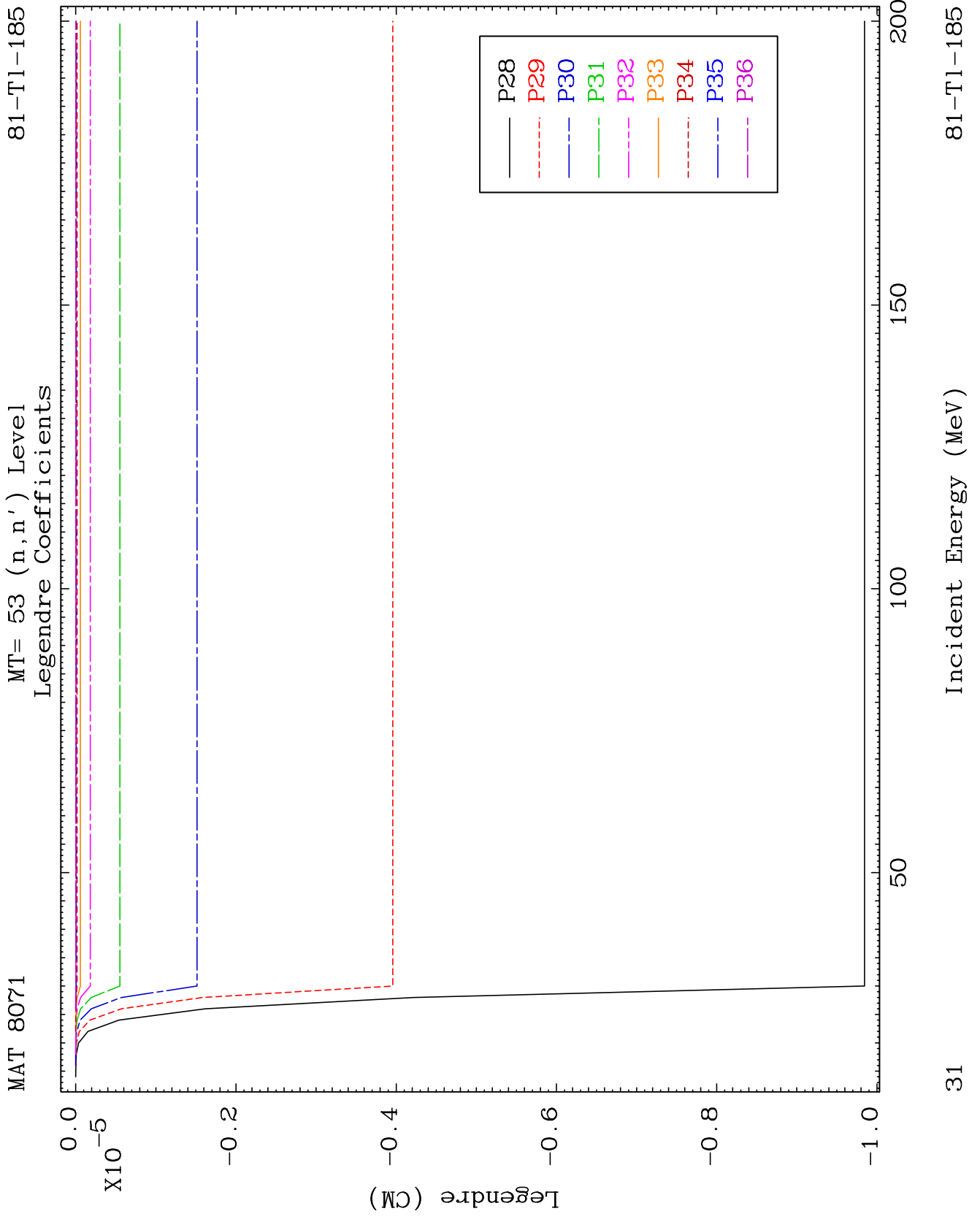
81-Tl-185

MAT 8071

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

81-Tl-185

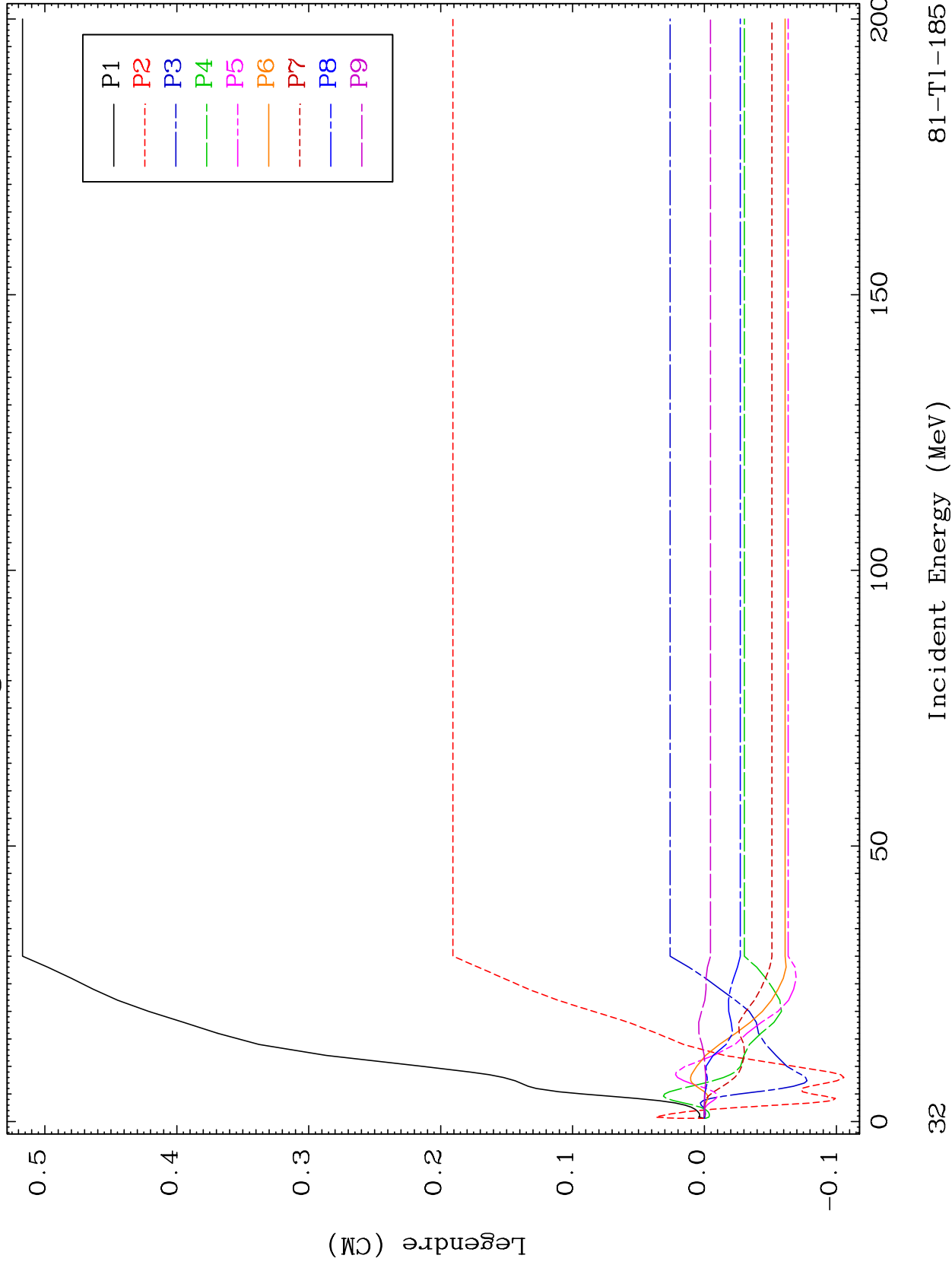




MAT 8071

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

81-Tl-185



81-Tl-185

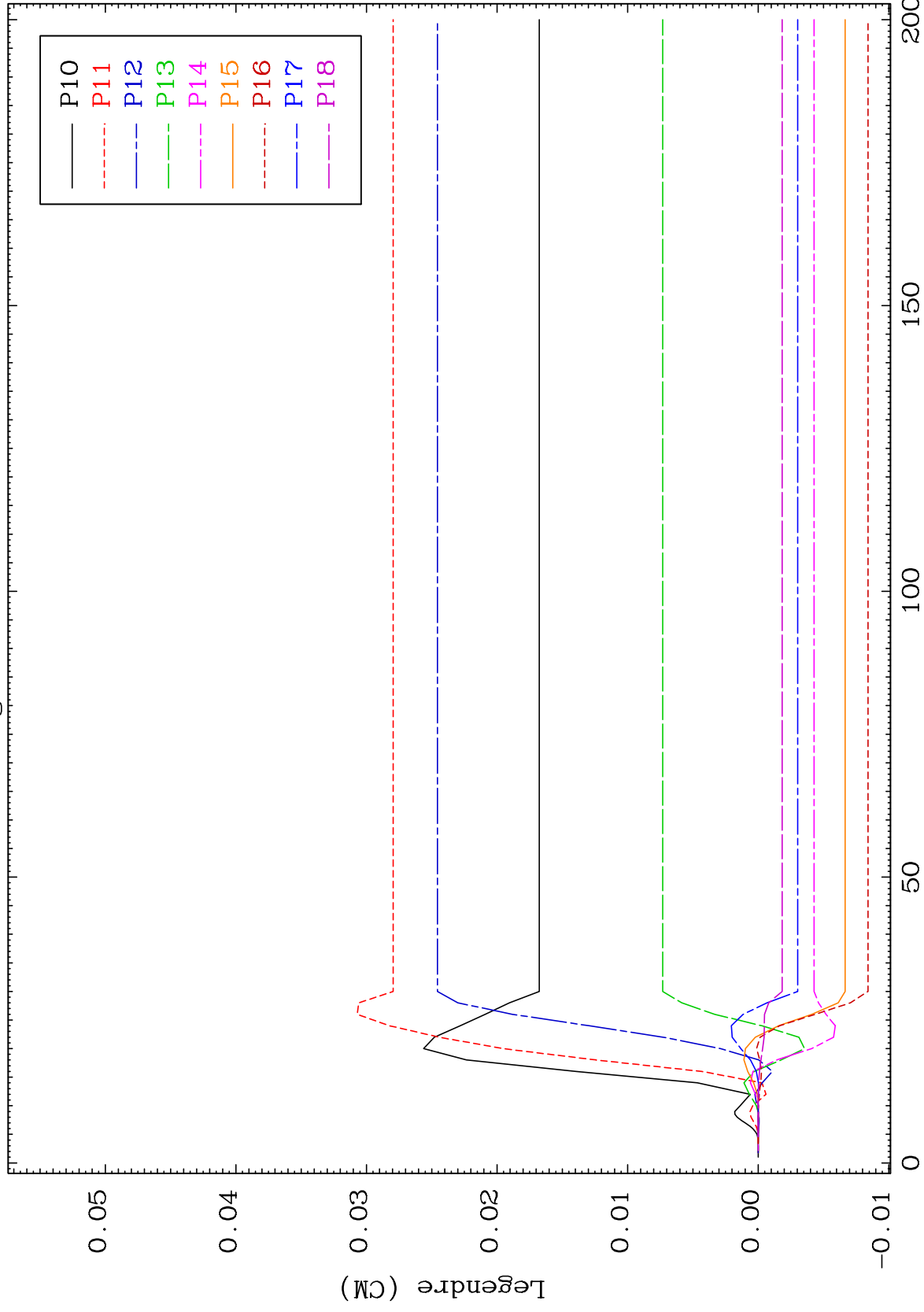
Incident Energy (MeV)

32

MAT 8071

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

81-T1-185



33

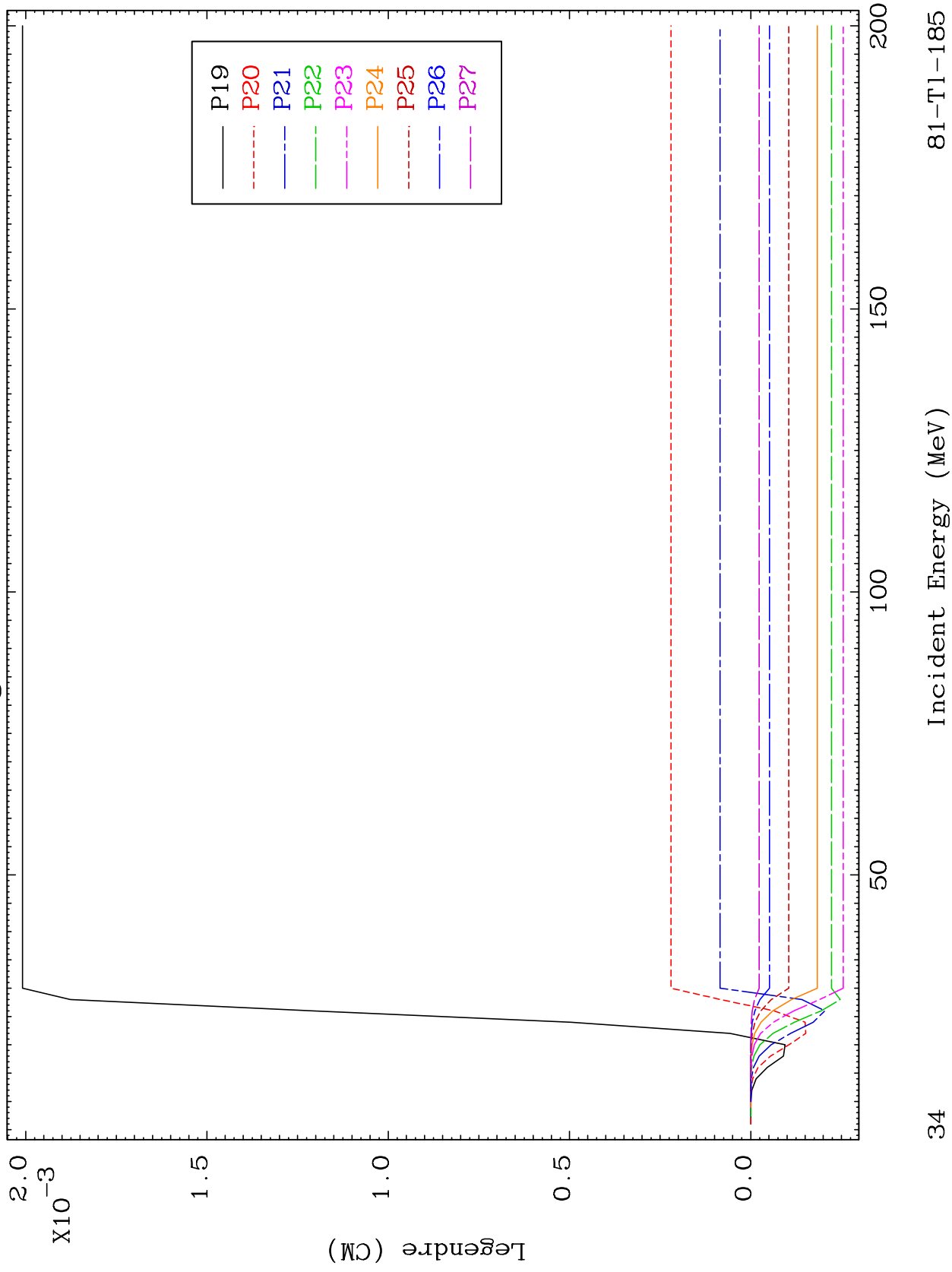
Incident Energy (MeV)

81-T1-185

MAT 8071

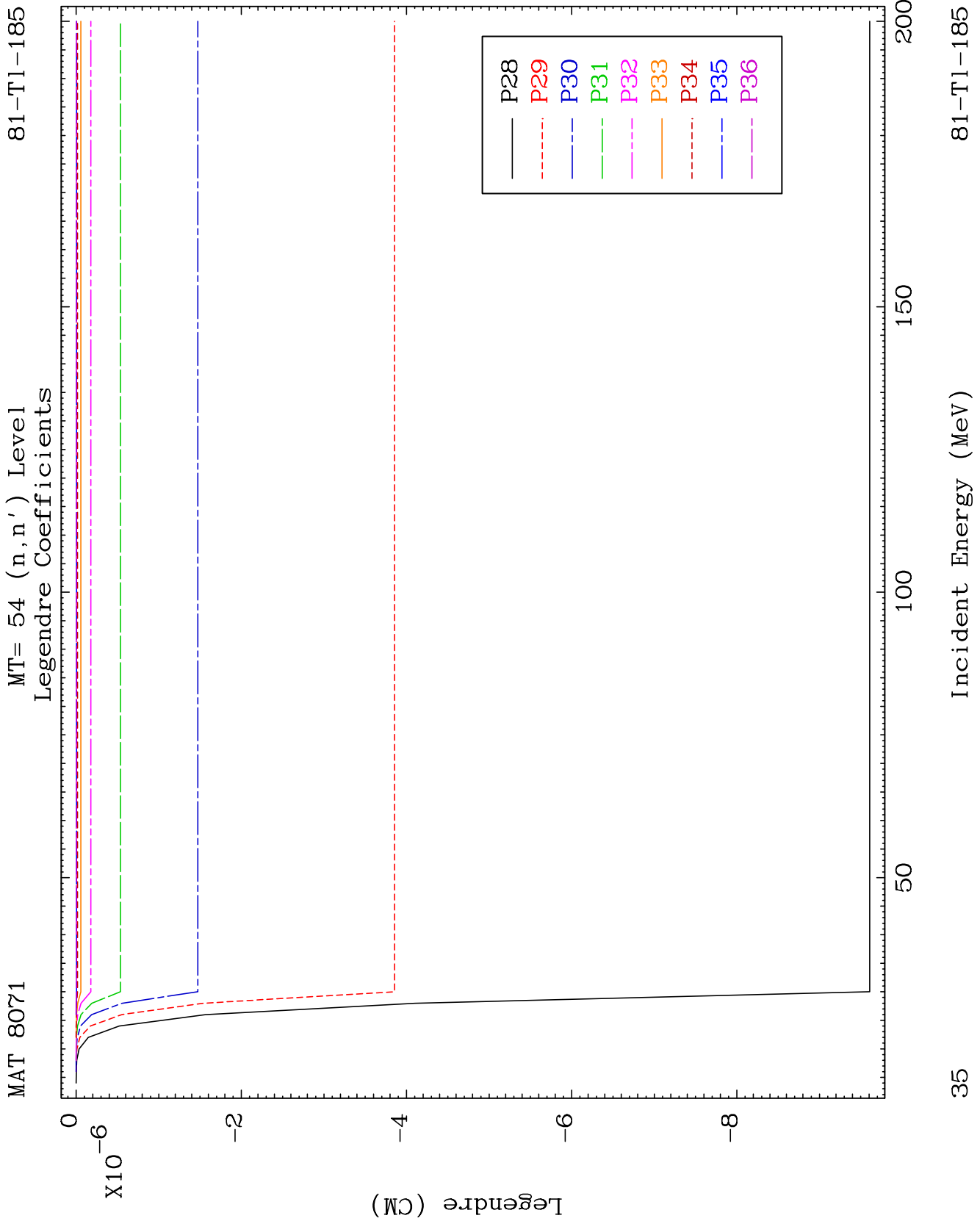
MT= 54 (n,n') Level
Legendre Coefficients

81-Tl-185



34

81-Tl-185

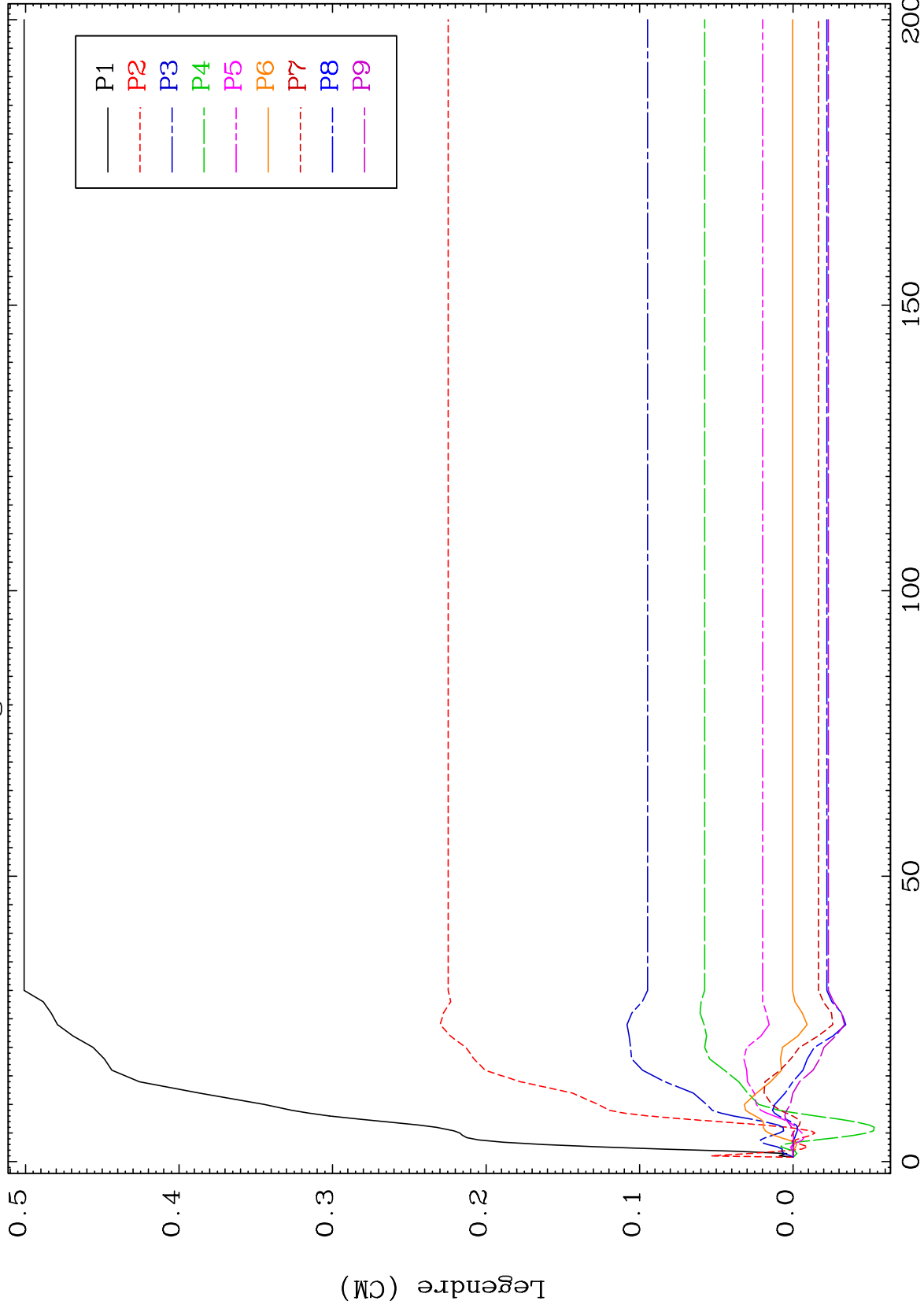


MAT 8071

MT= 55 (n,n') Level

81-Tl-185

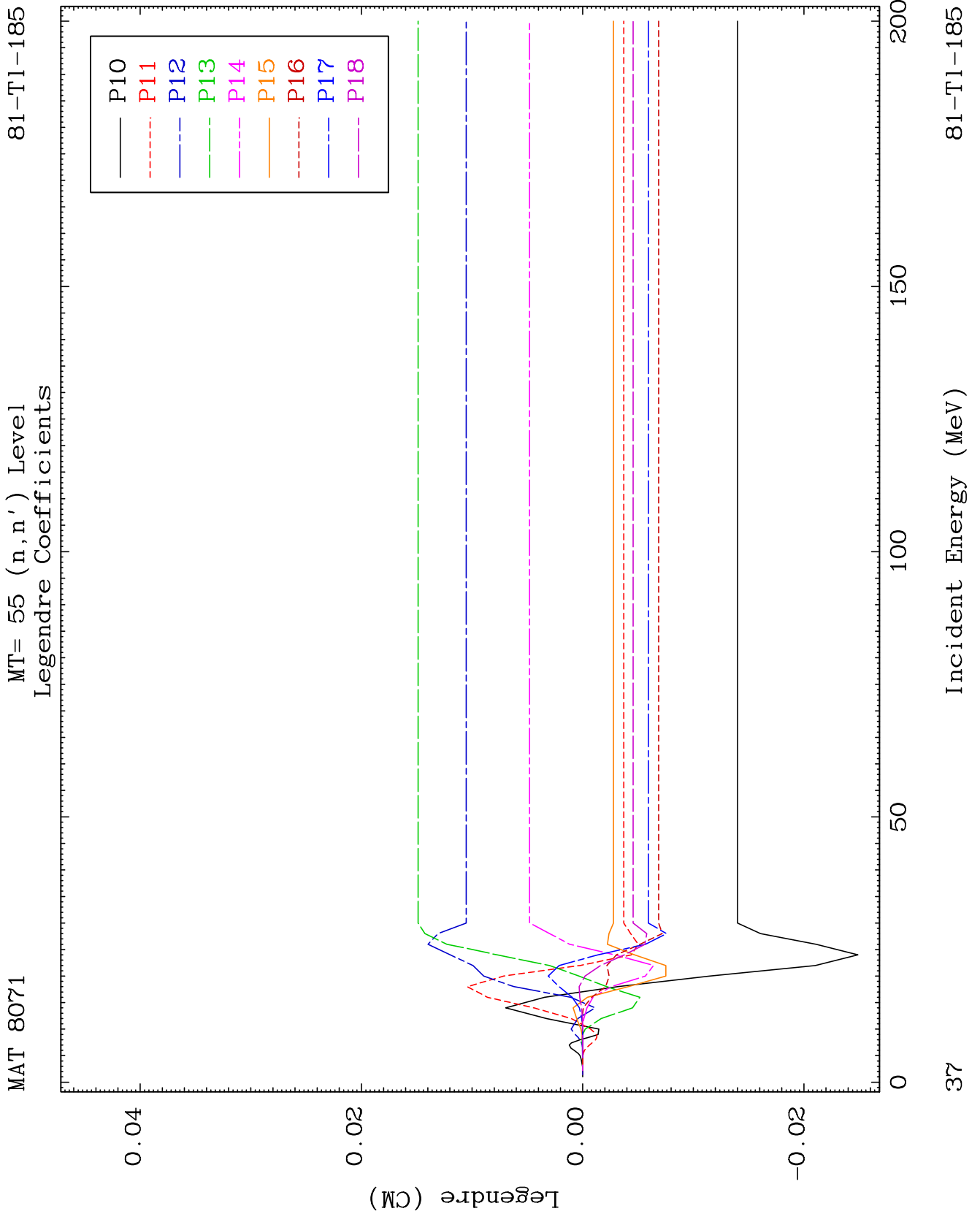
Legendre Coefficients



36

Incident Energy (MeV)

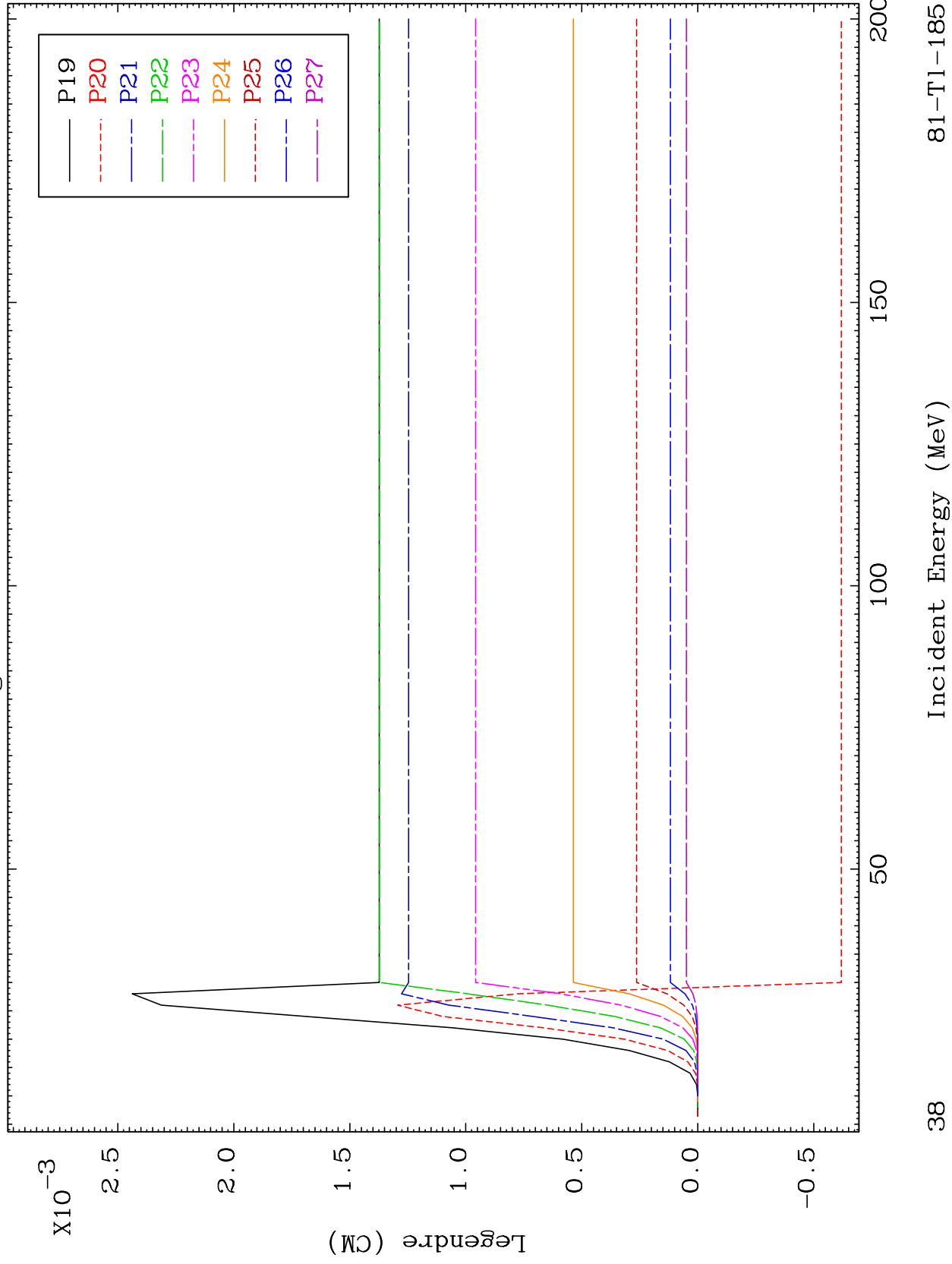
81-Tl-185



MAT 8071

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

81-Tl-185



38

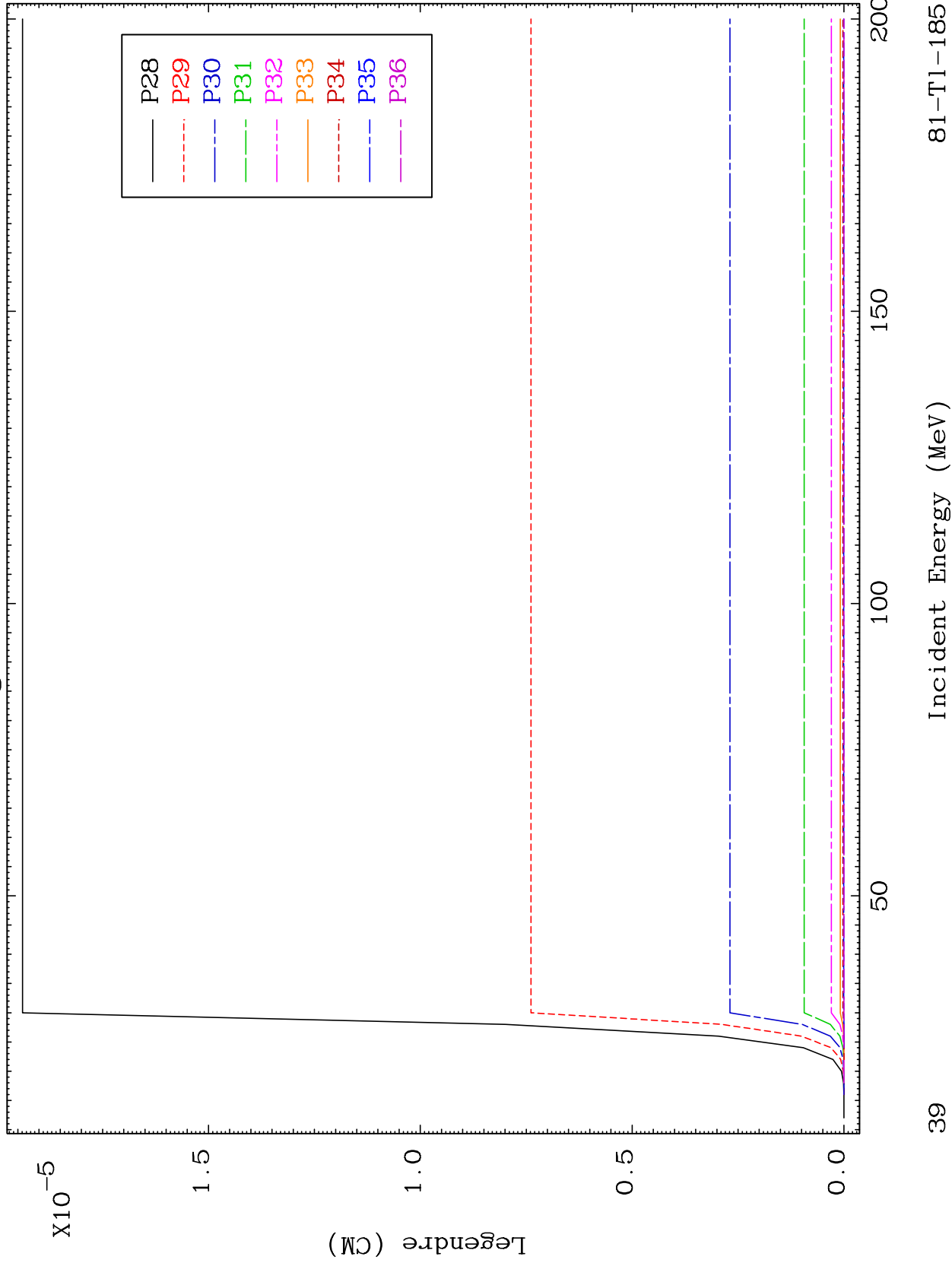
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

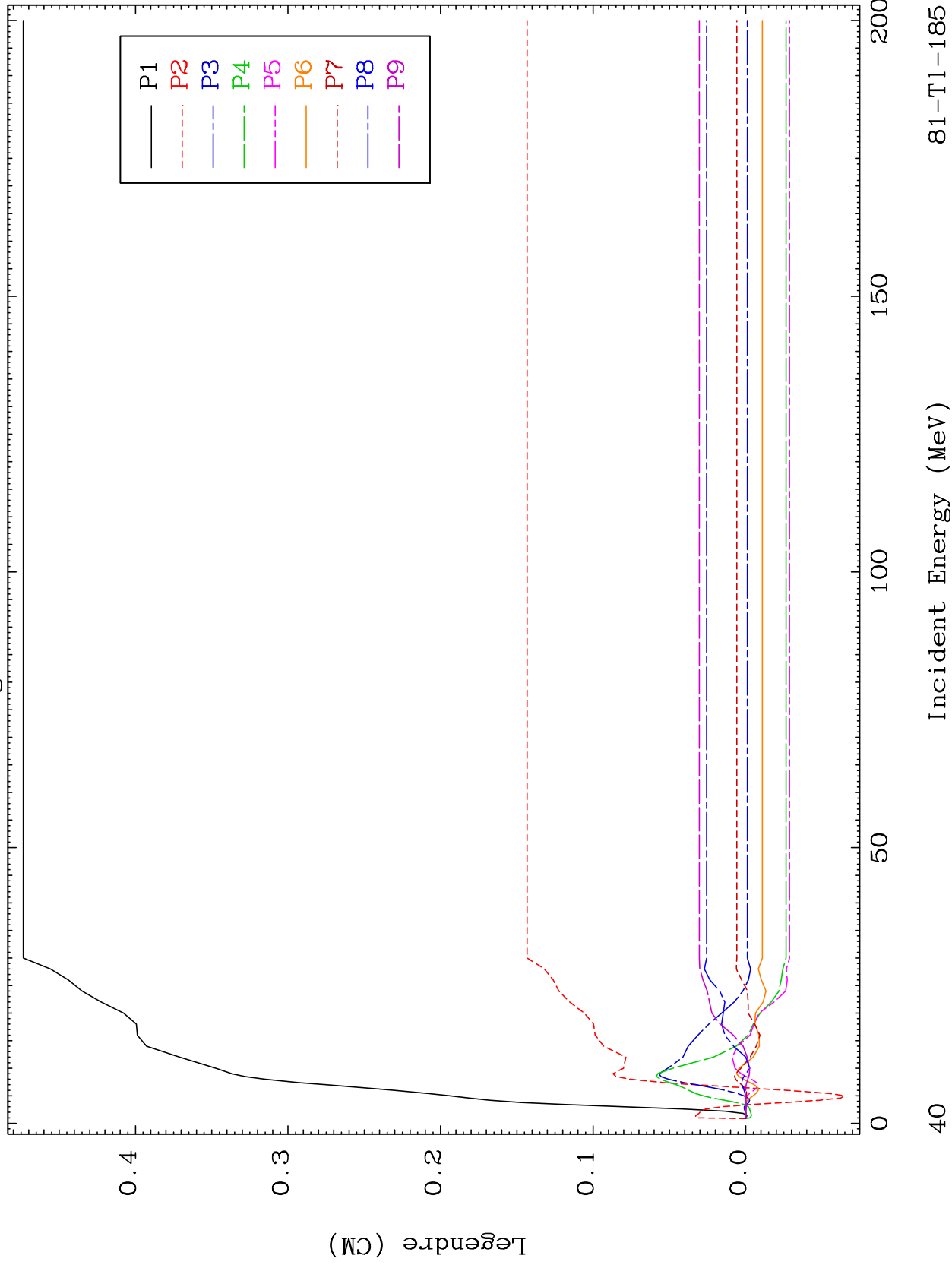
81-Tl-185



MAT 8071

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

81-T1-185

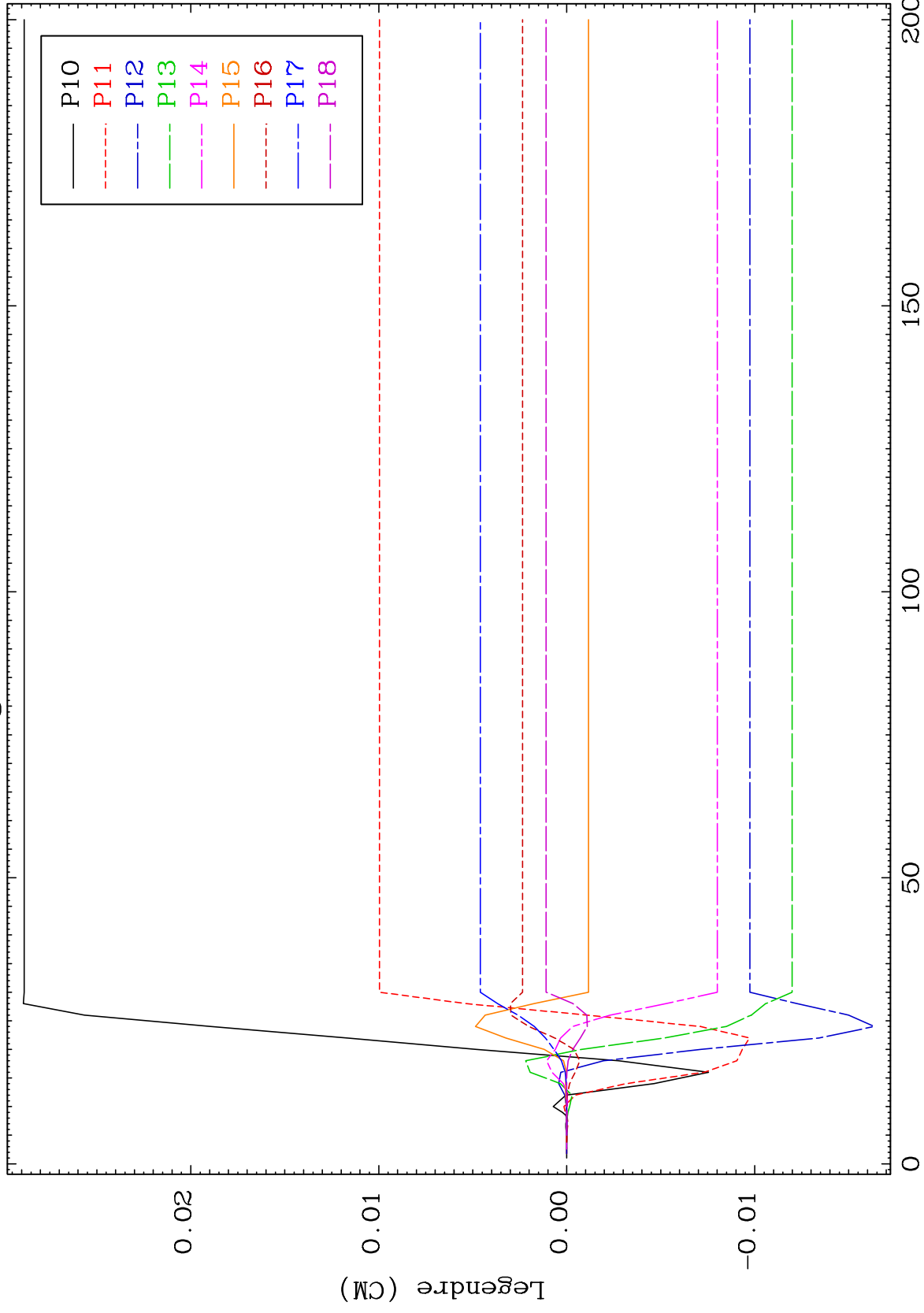


81-T1-185

MAT 8071

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

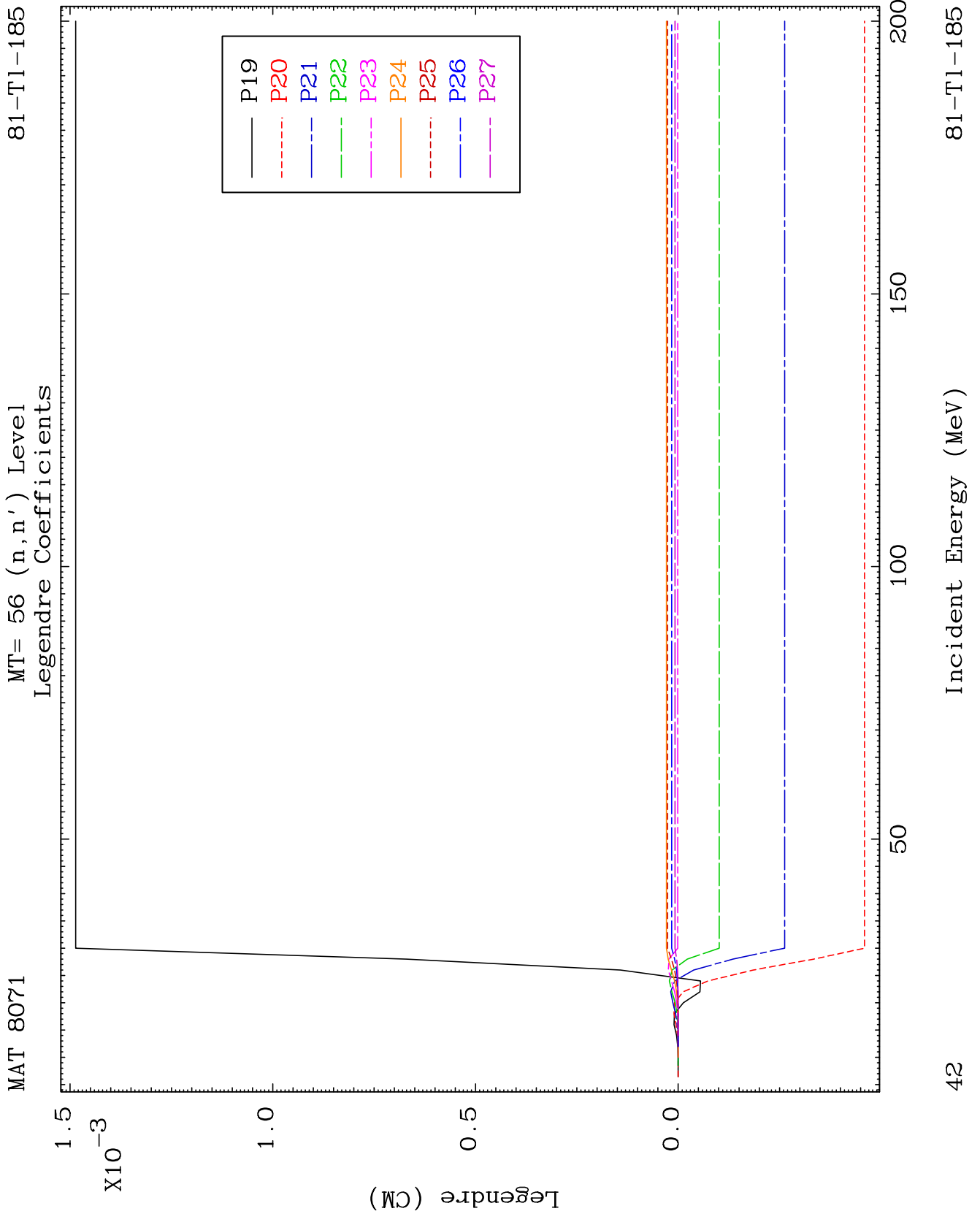
81-Tl-185



41

Incident Energy (MeV)

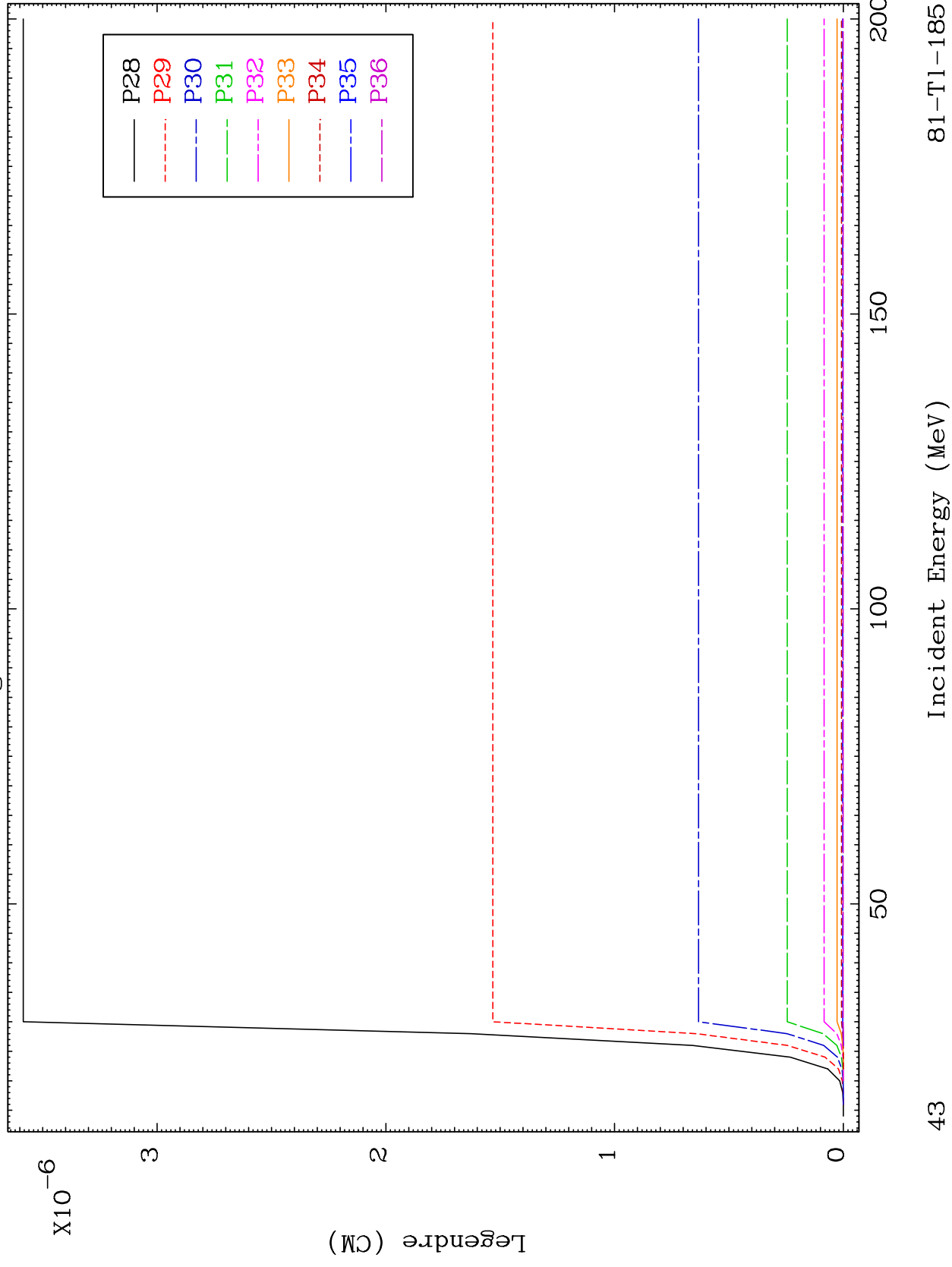
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MAT 8071

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

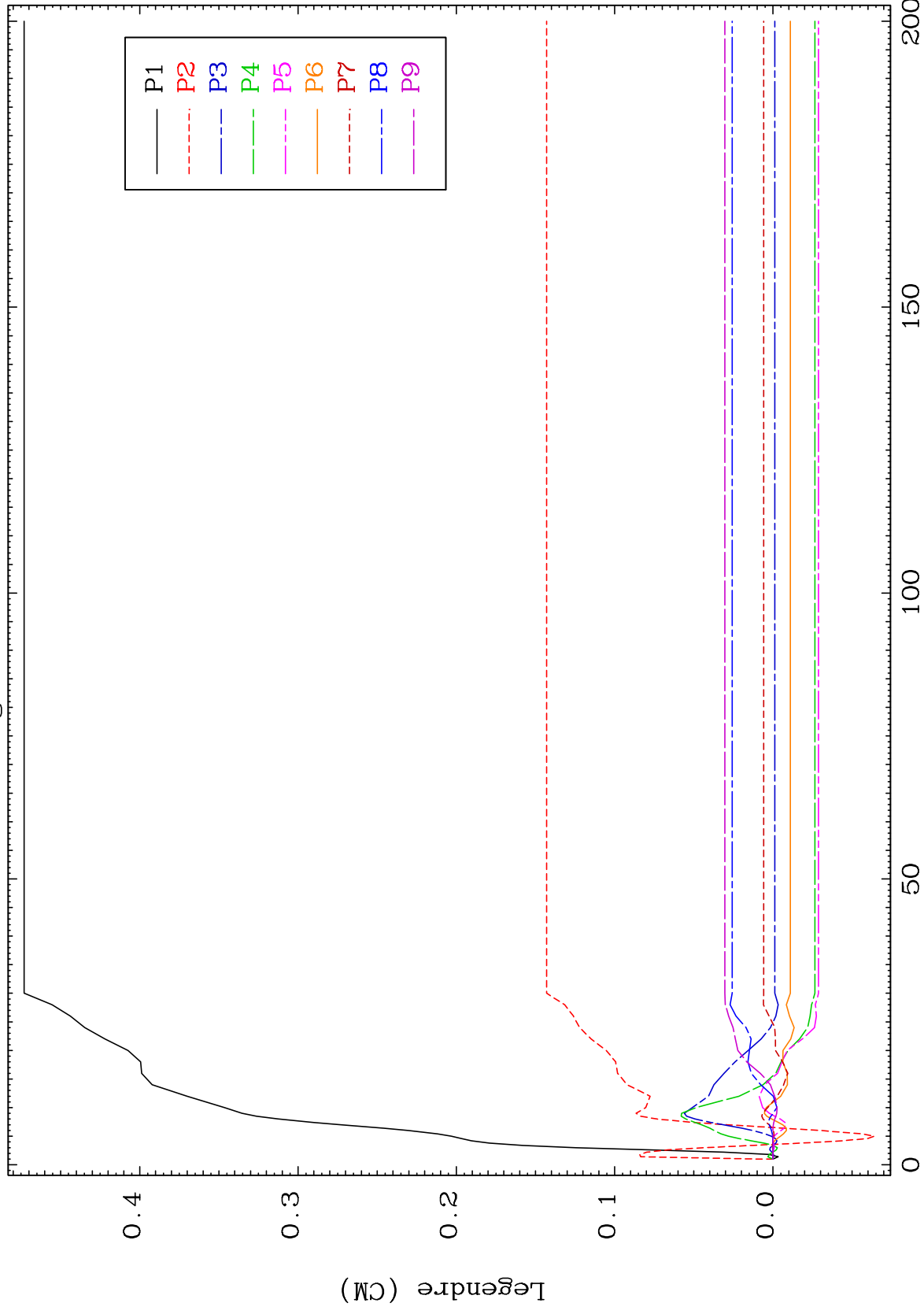
81-T1-185



MAT 8071

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

81-T1-185



44

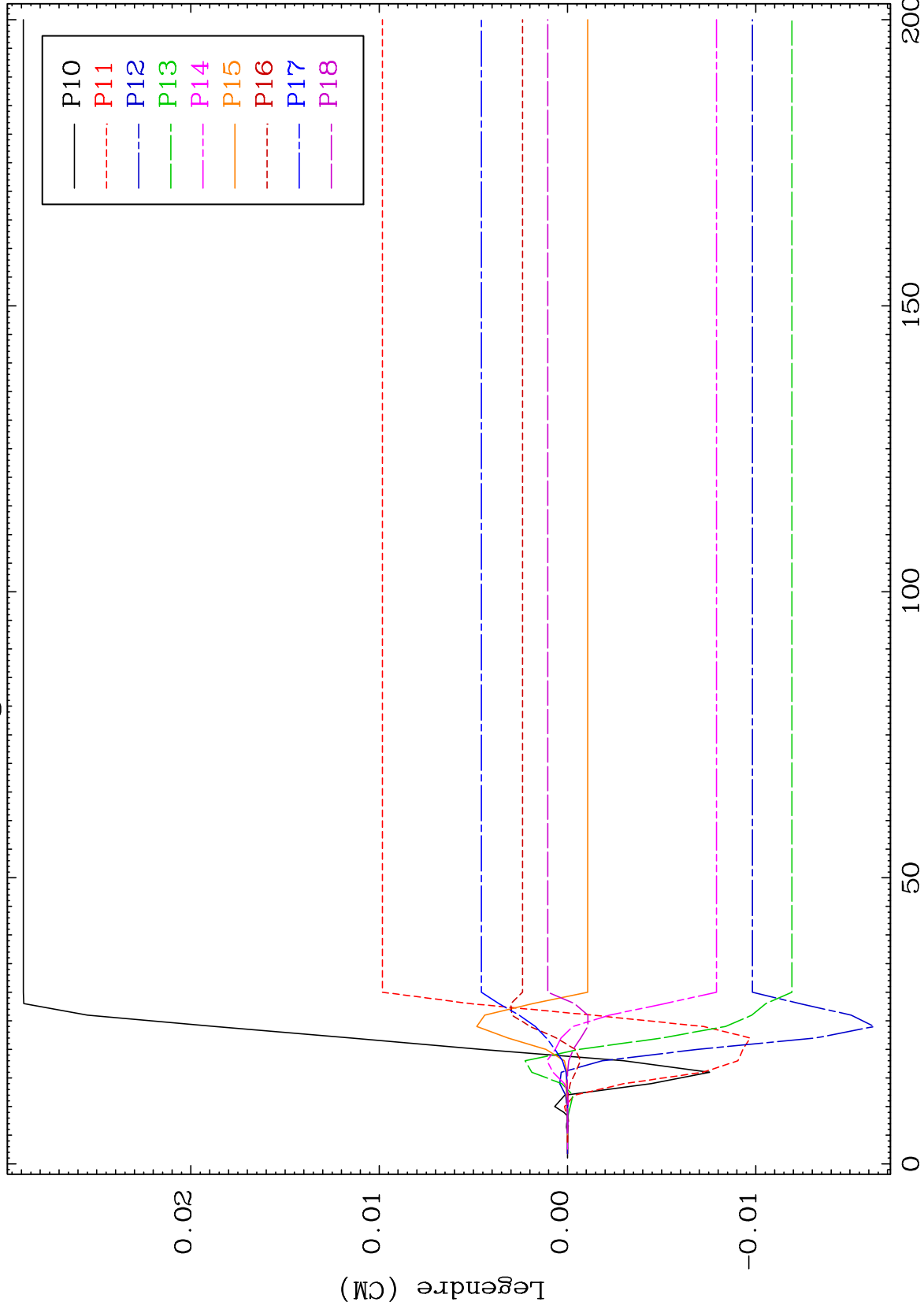
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-T1-185



81-T1-185

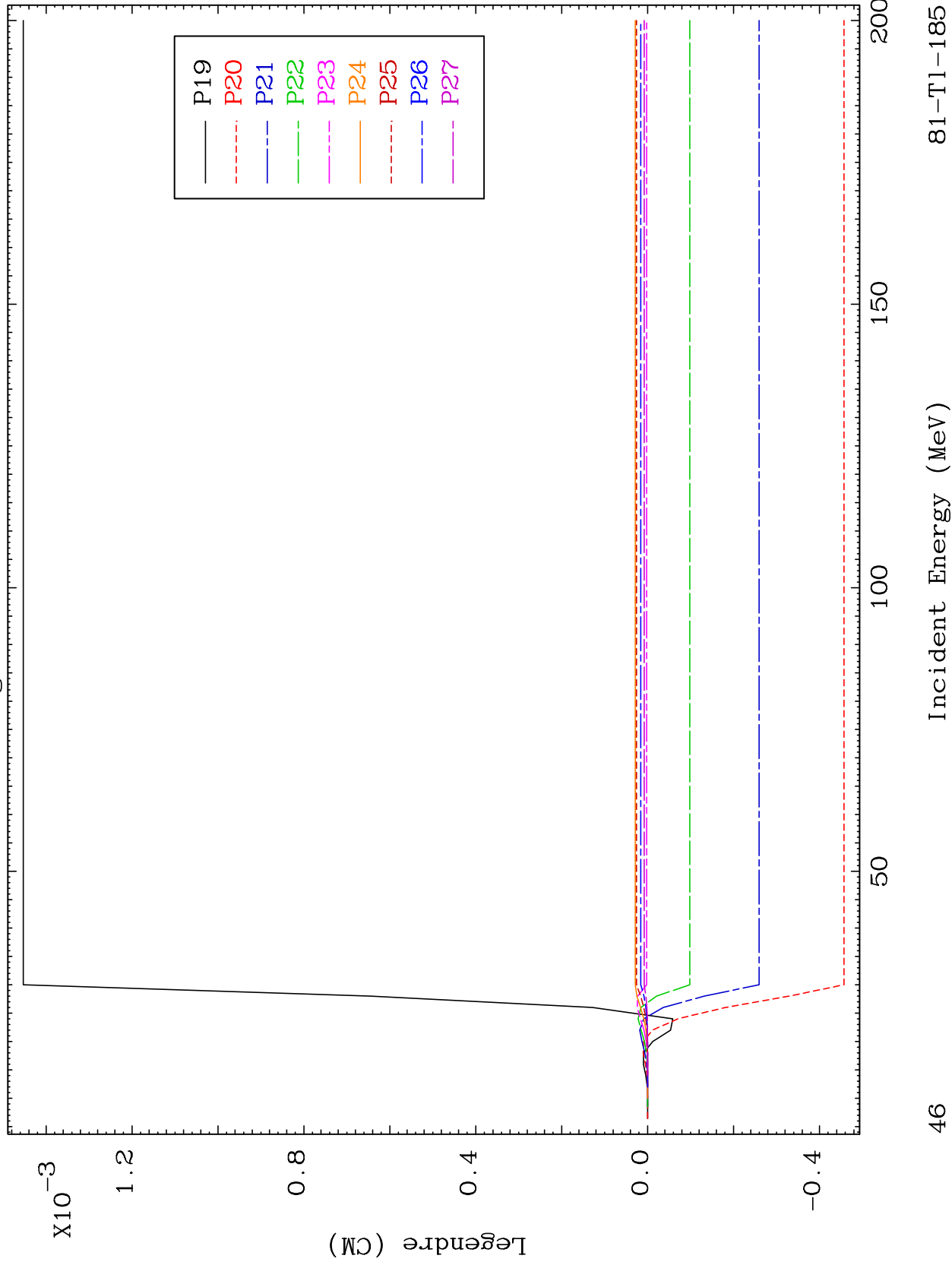
Incident Energy (MeV)

45

MAT 8071

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

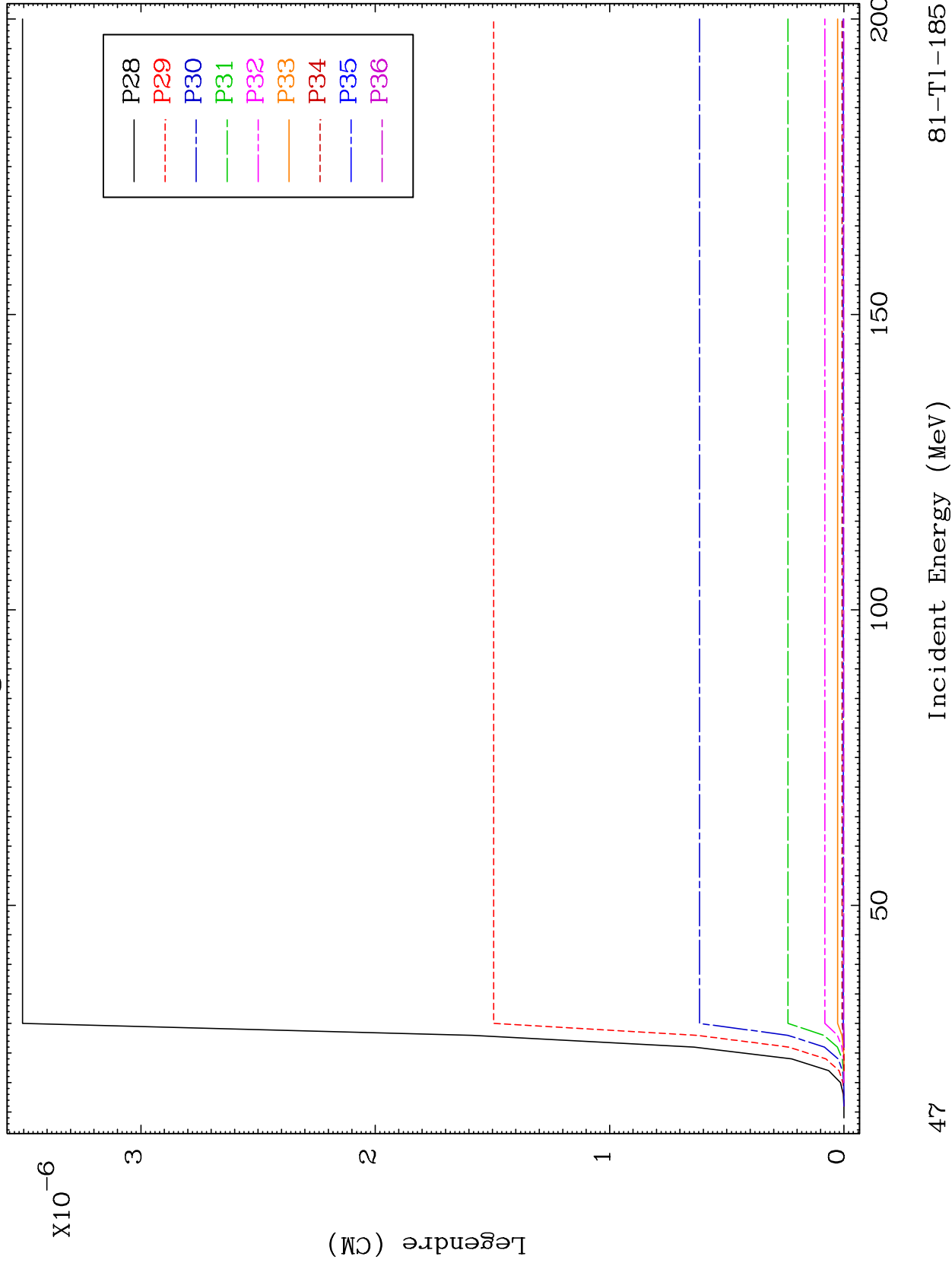
81-Tl-185



MAT 8071

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

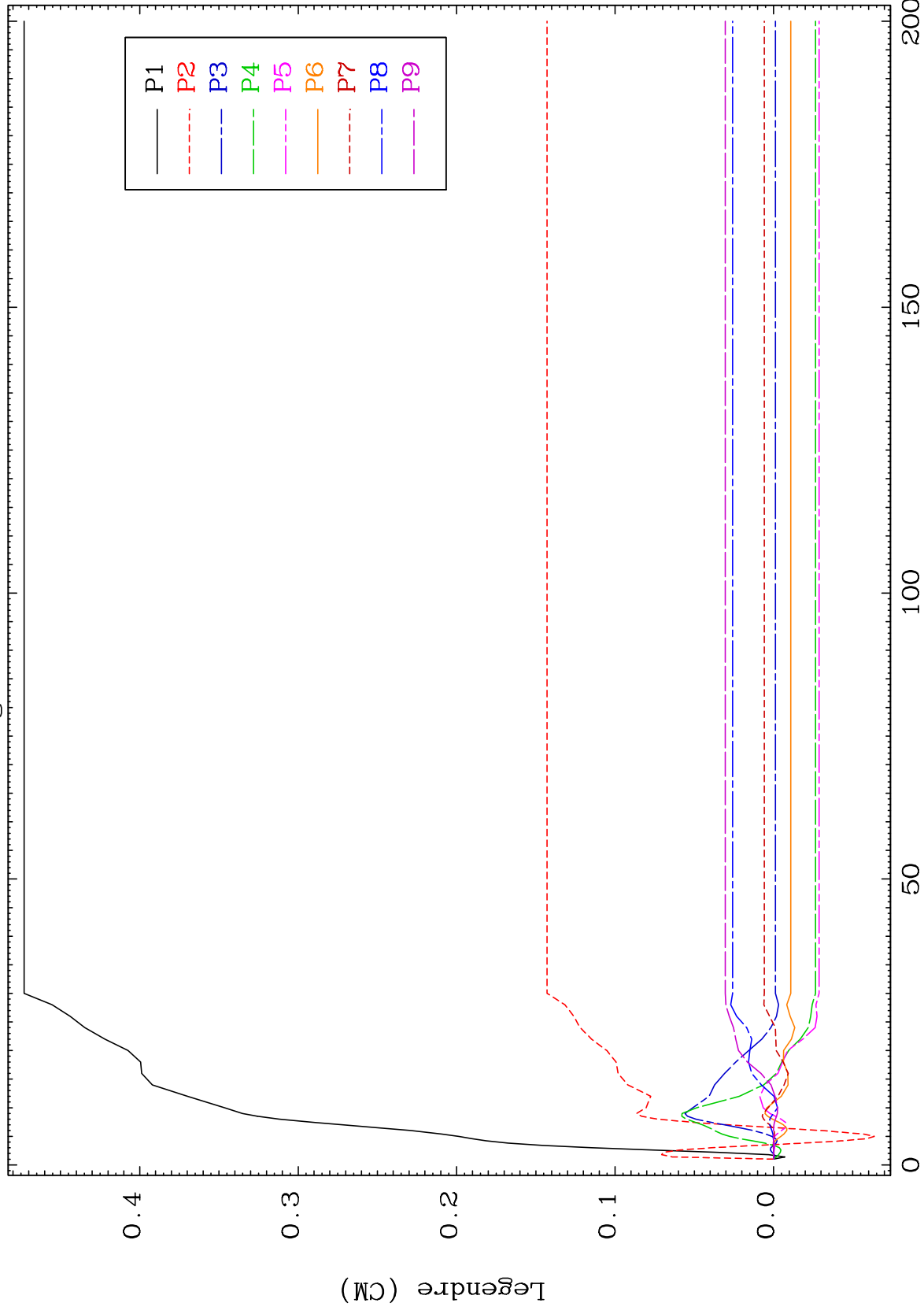
81-T1-185



MAT 8071

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

81-T1-185



48

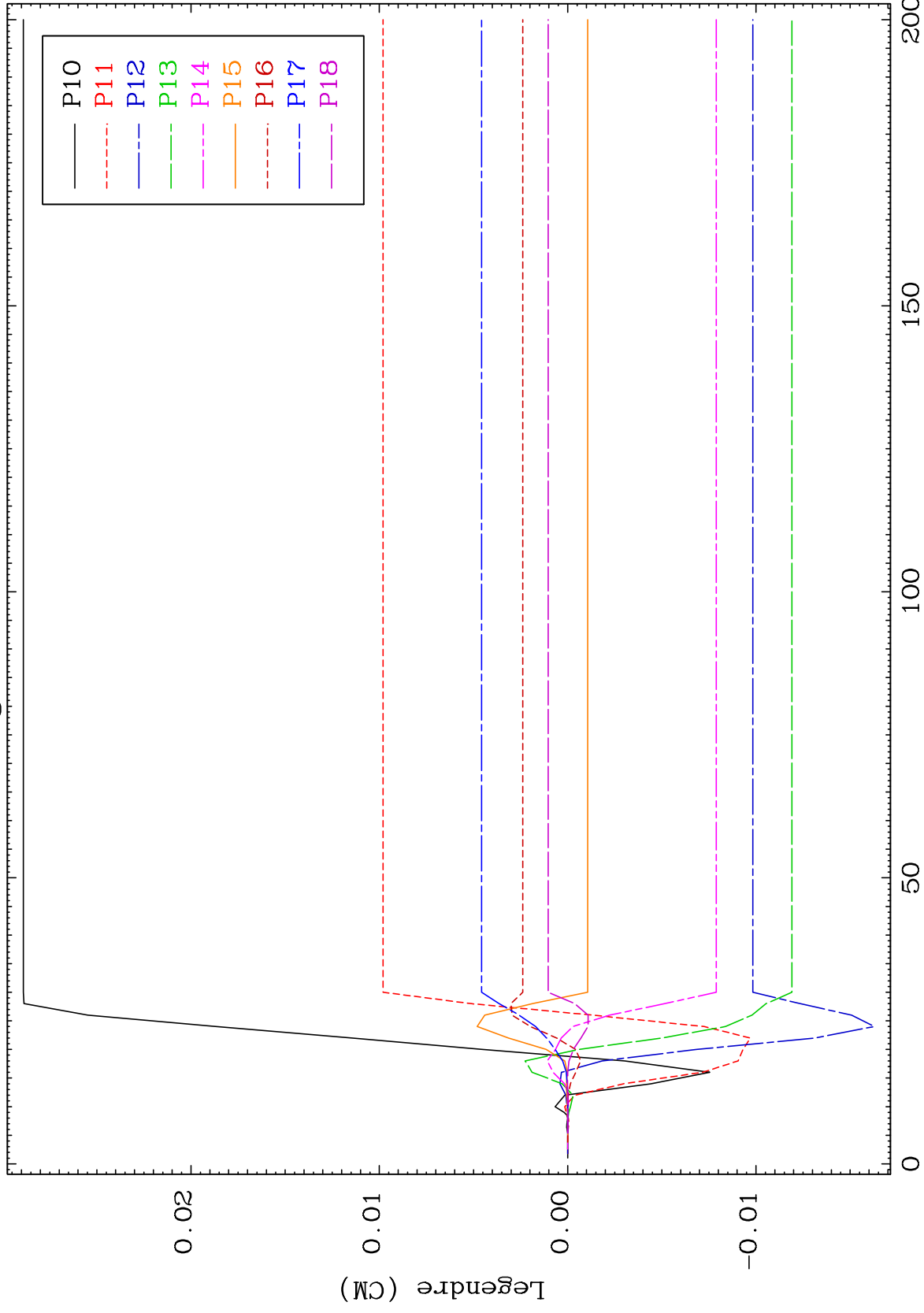
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-T1-185



49

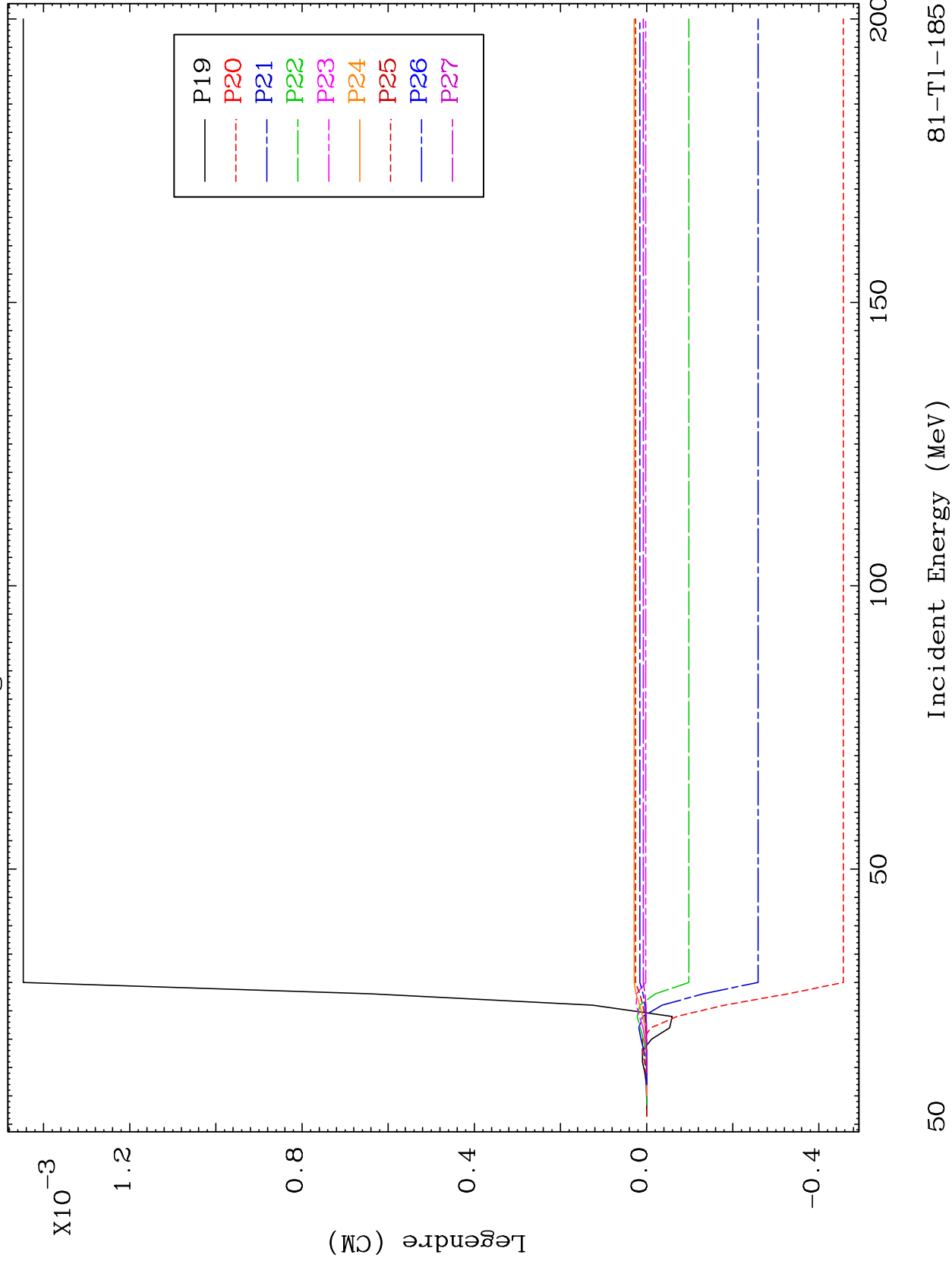
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-Tl-185



81-Tl-185

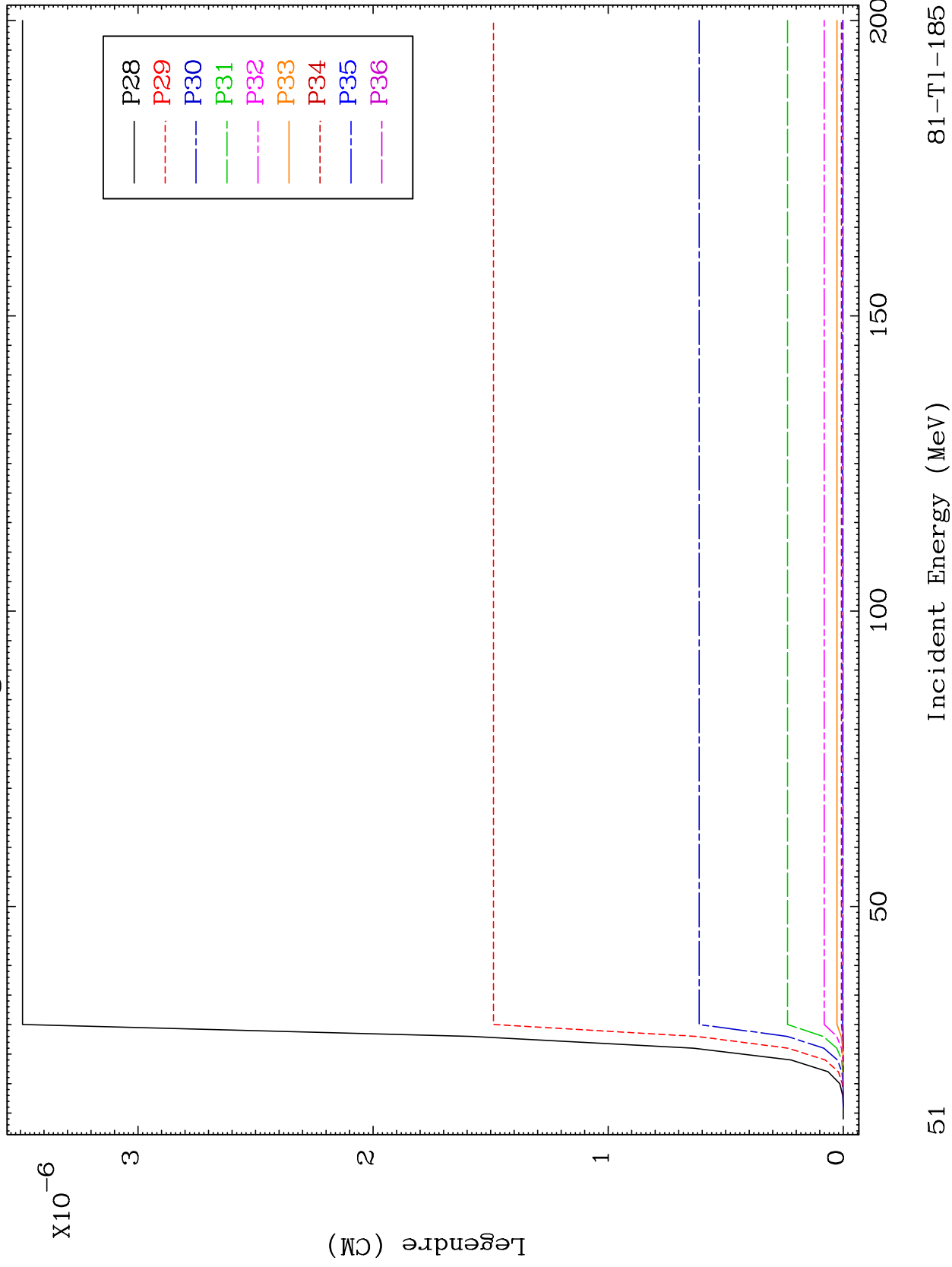
Incident Energy (MeV)

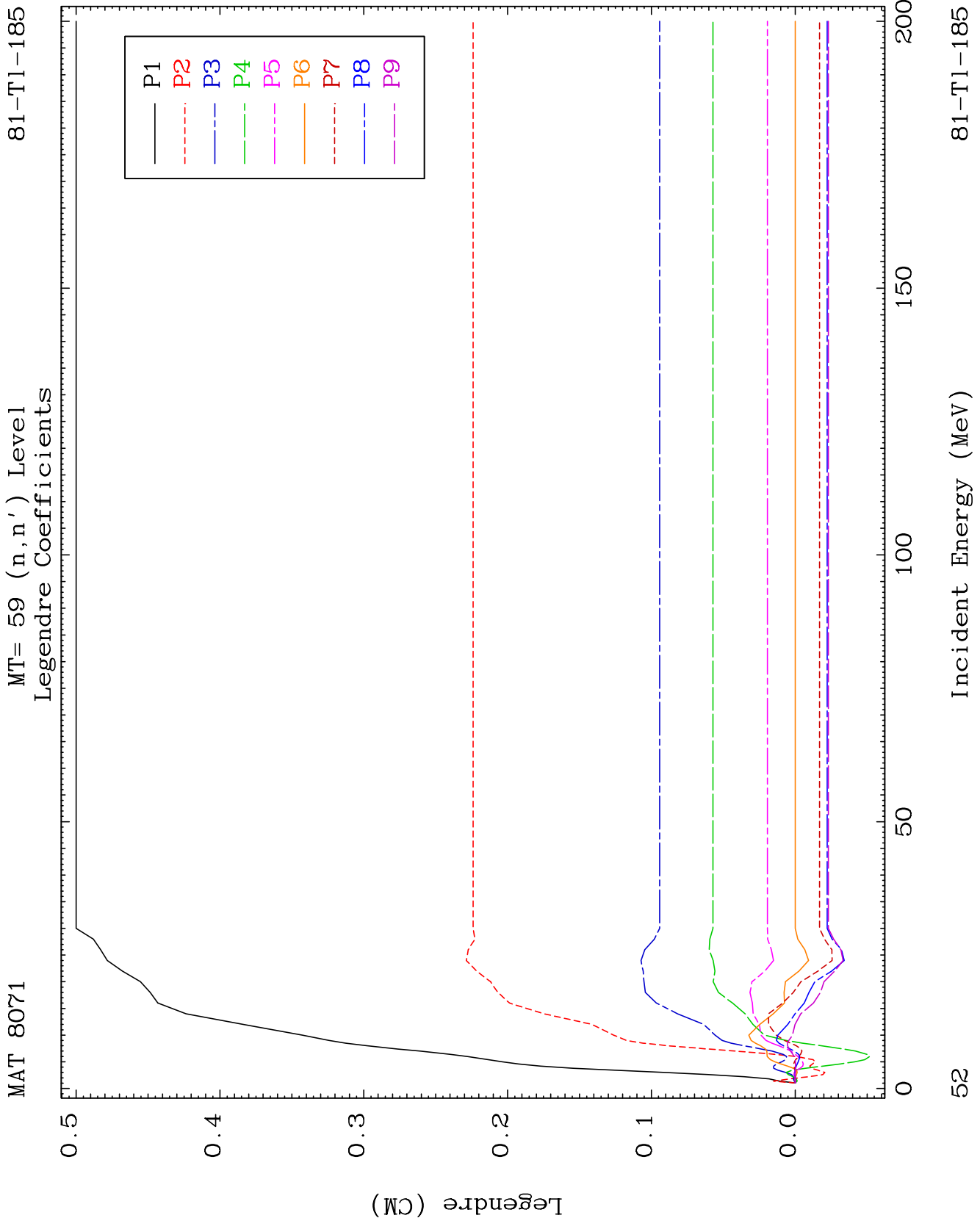
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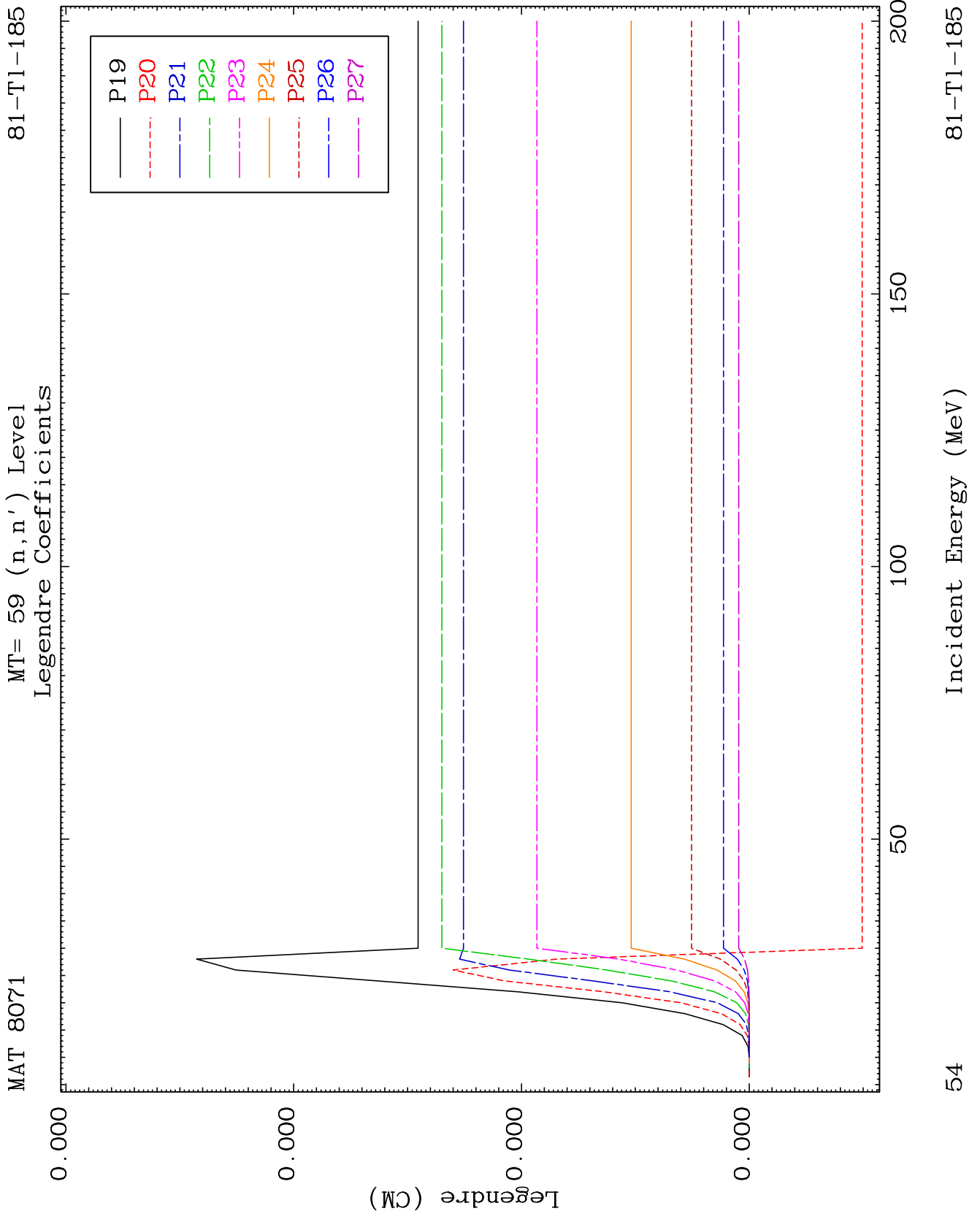
MAT 8071

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

81-T1-185



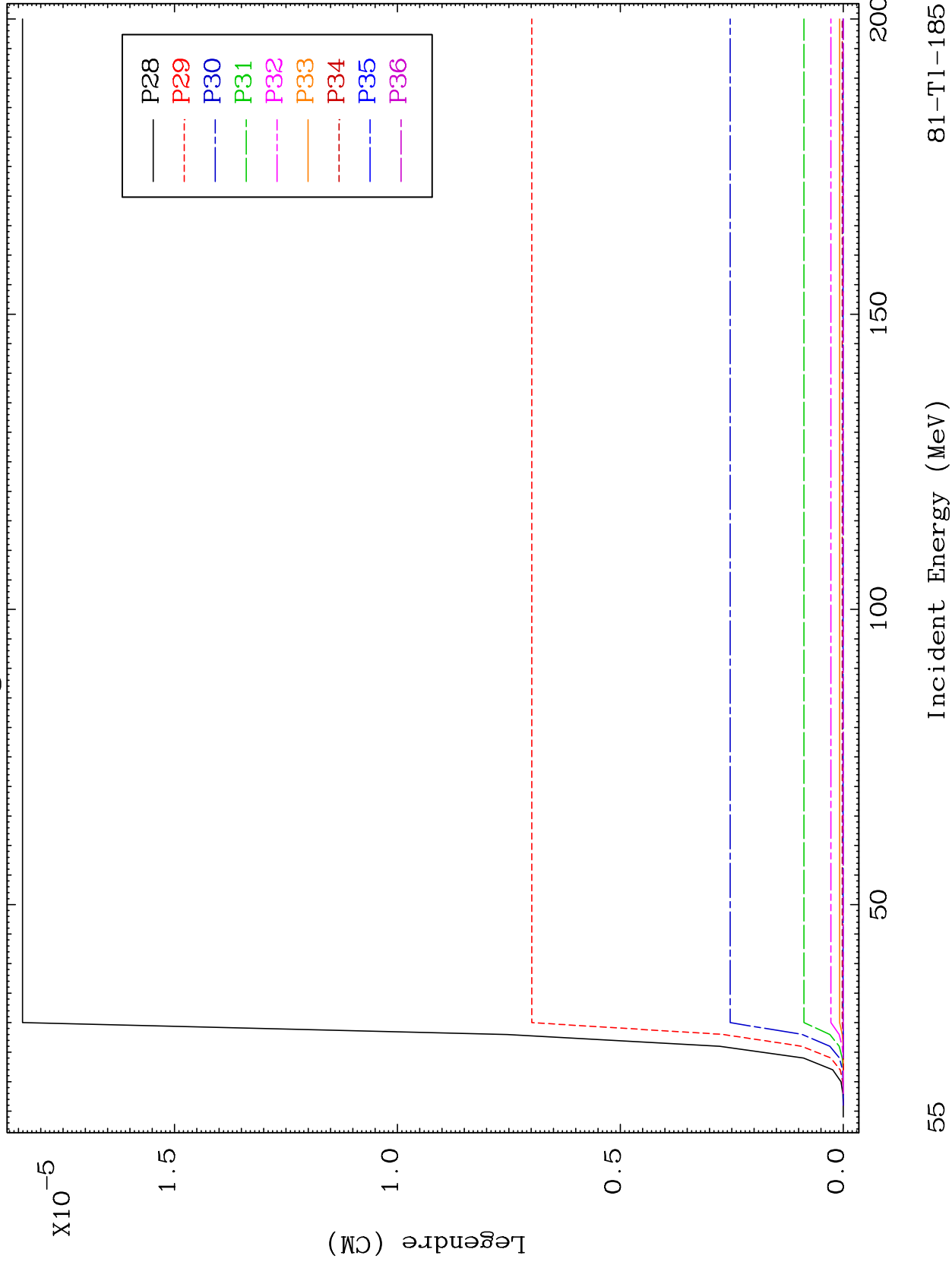




MAT 8071

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

81-Tl-185



55

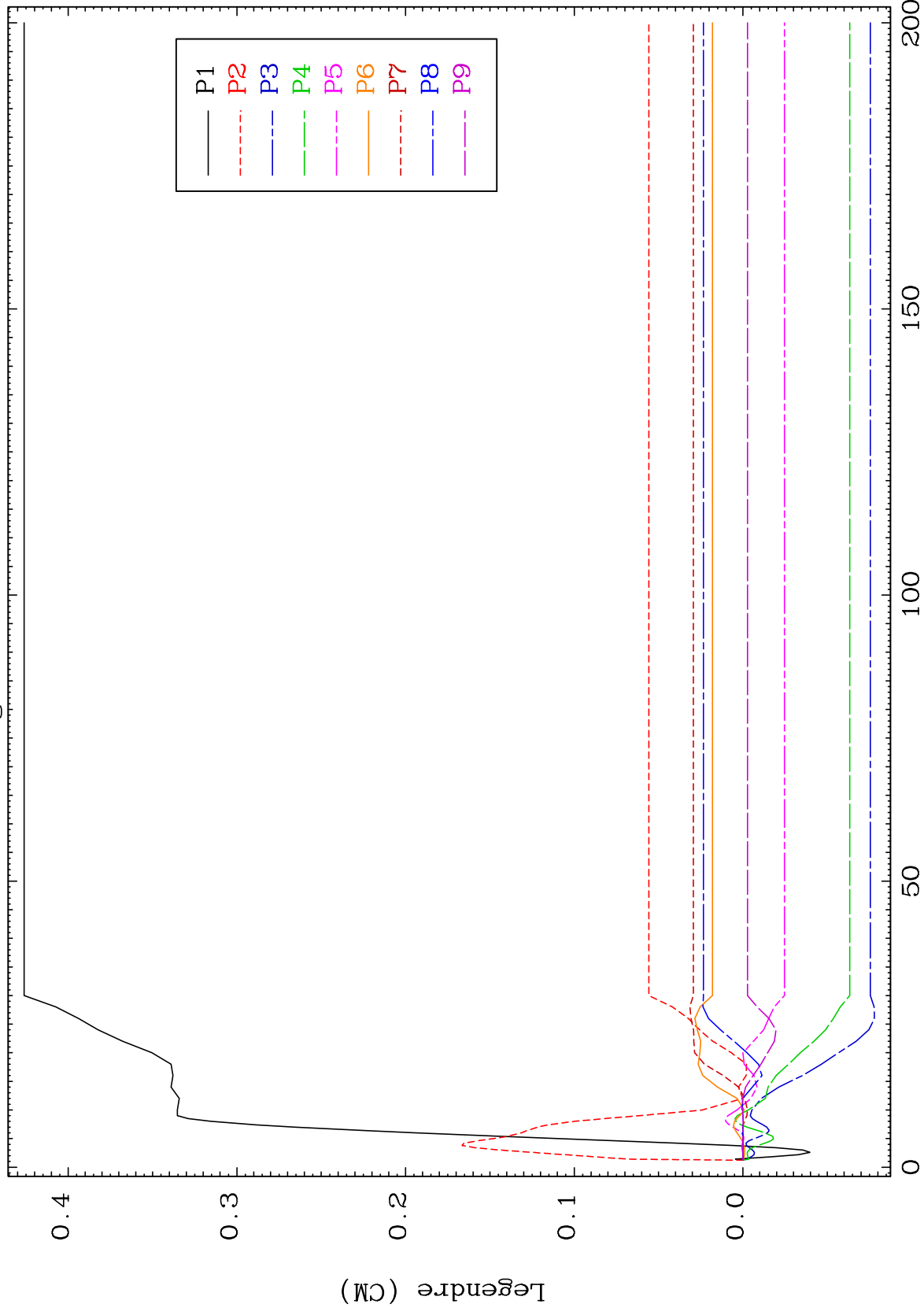
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-T1-185



56

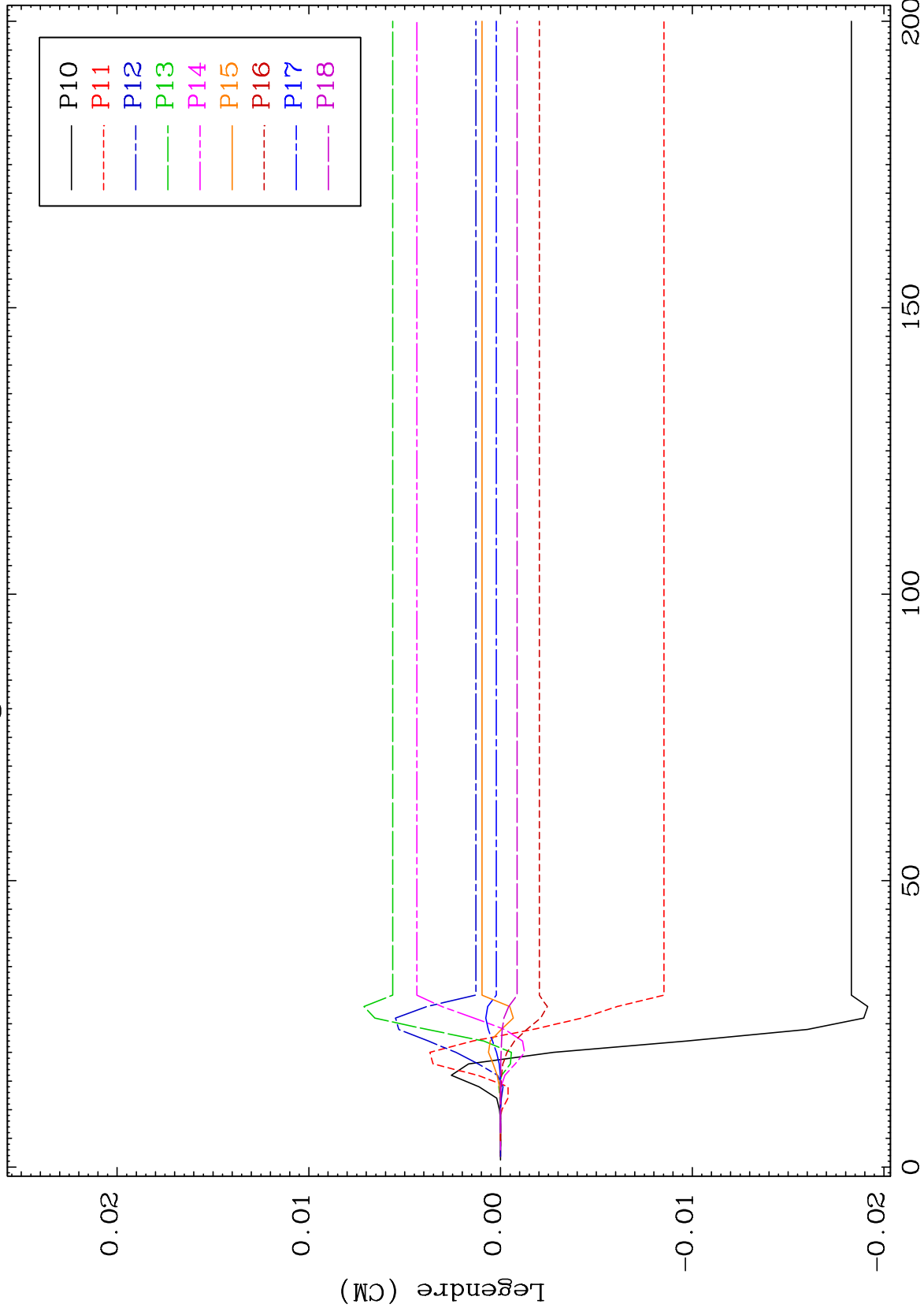
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-Tl-185



57

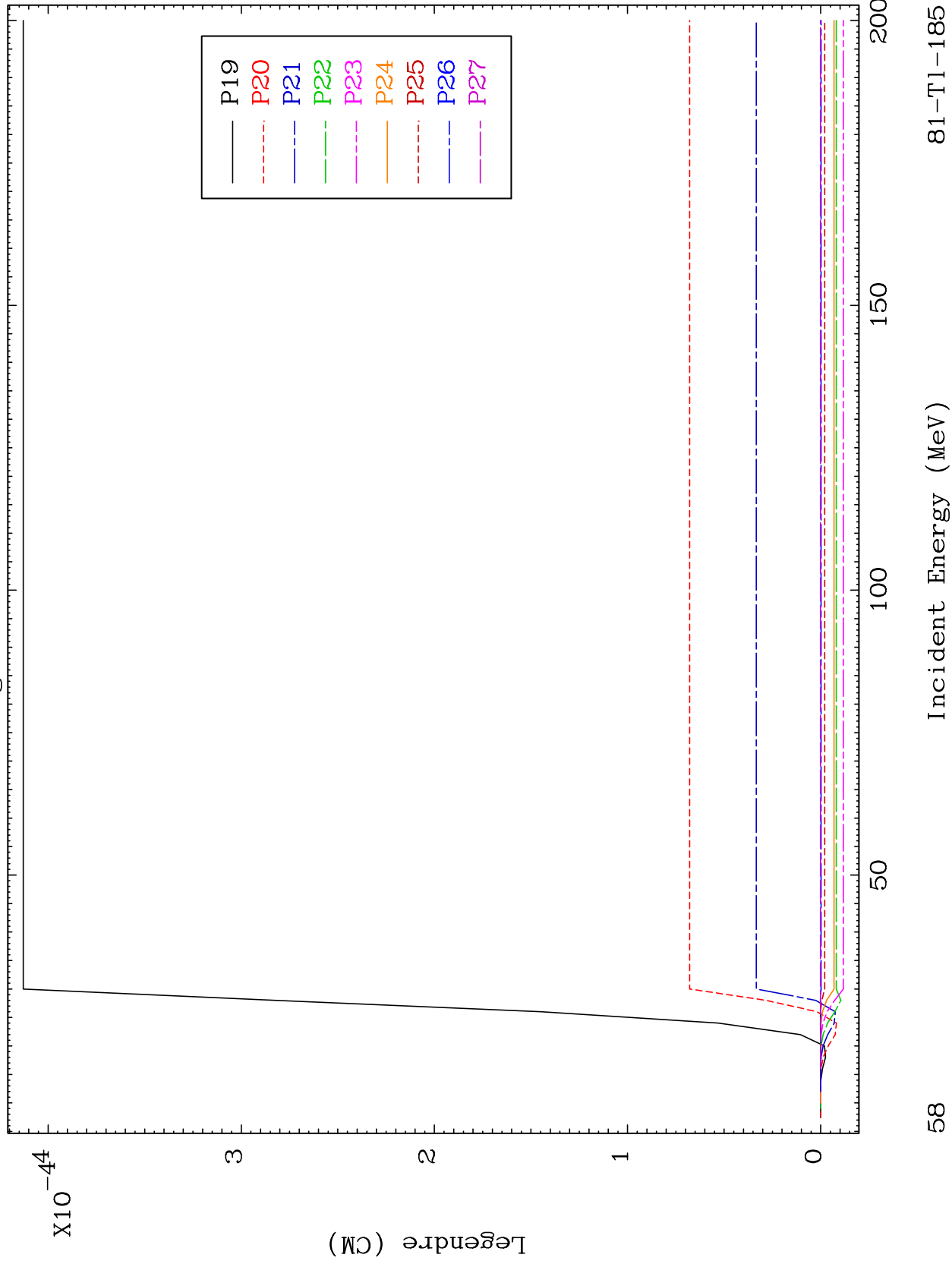
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

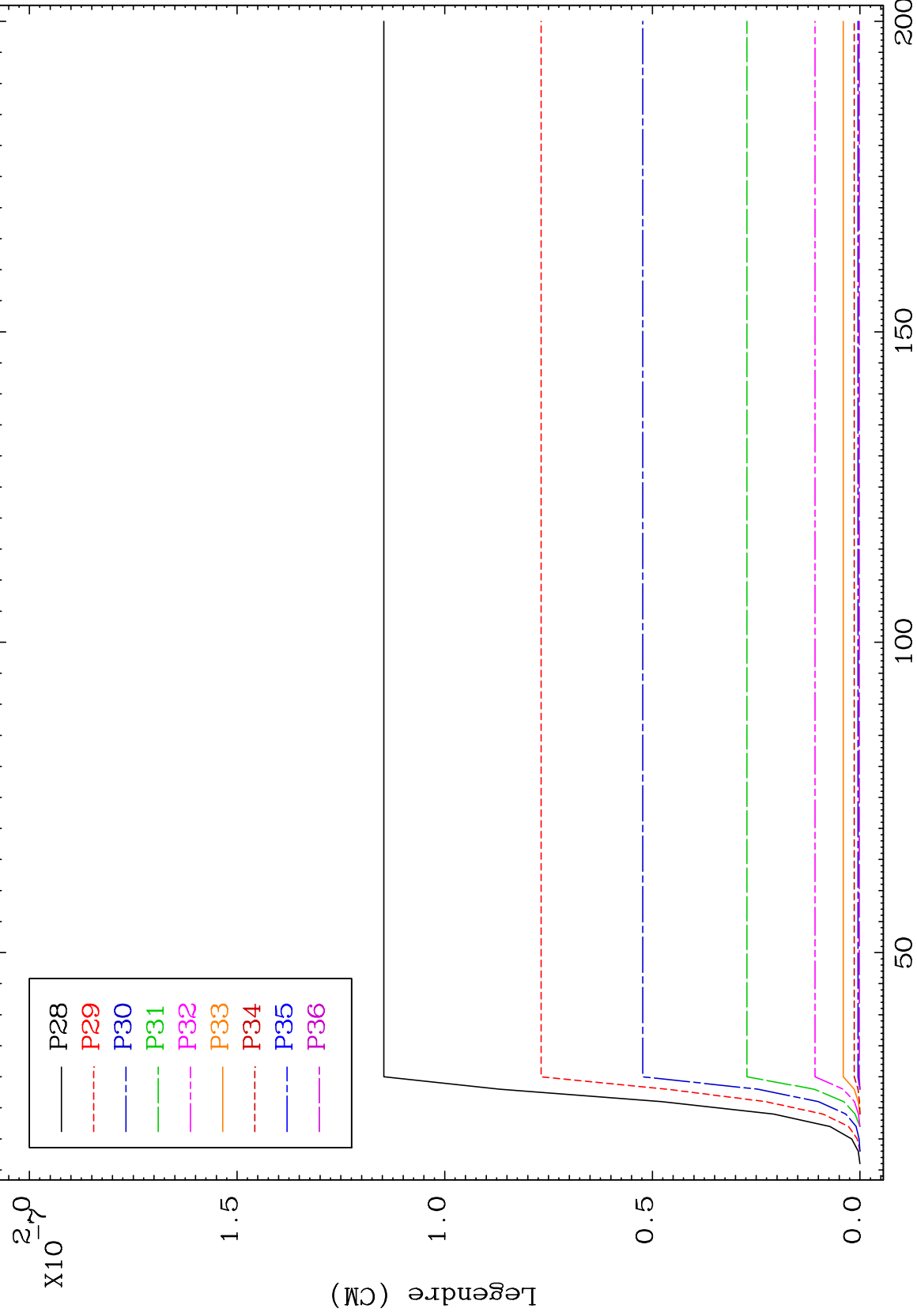
81-Tl-185



MAT 8071

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

81-Tl-185



59

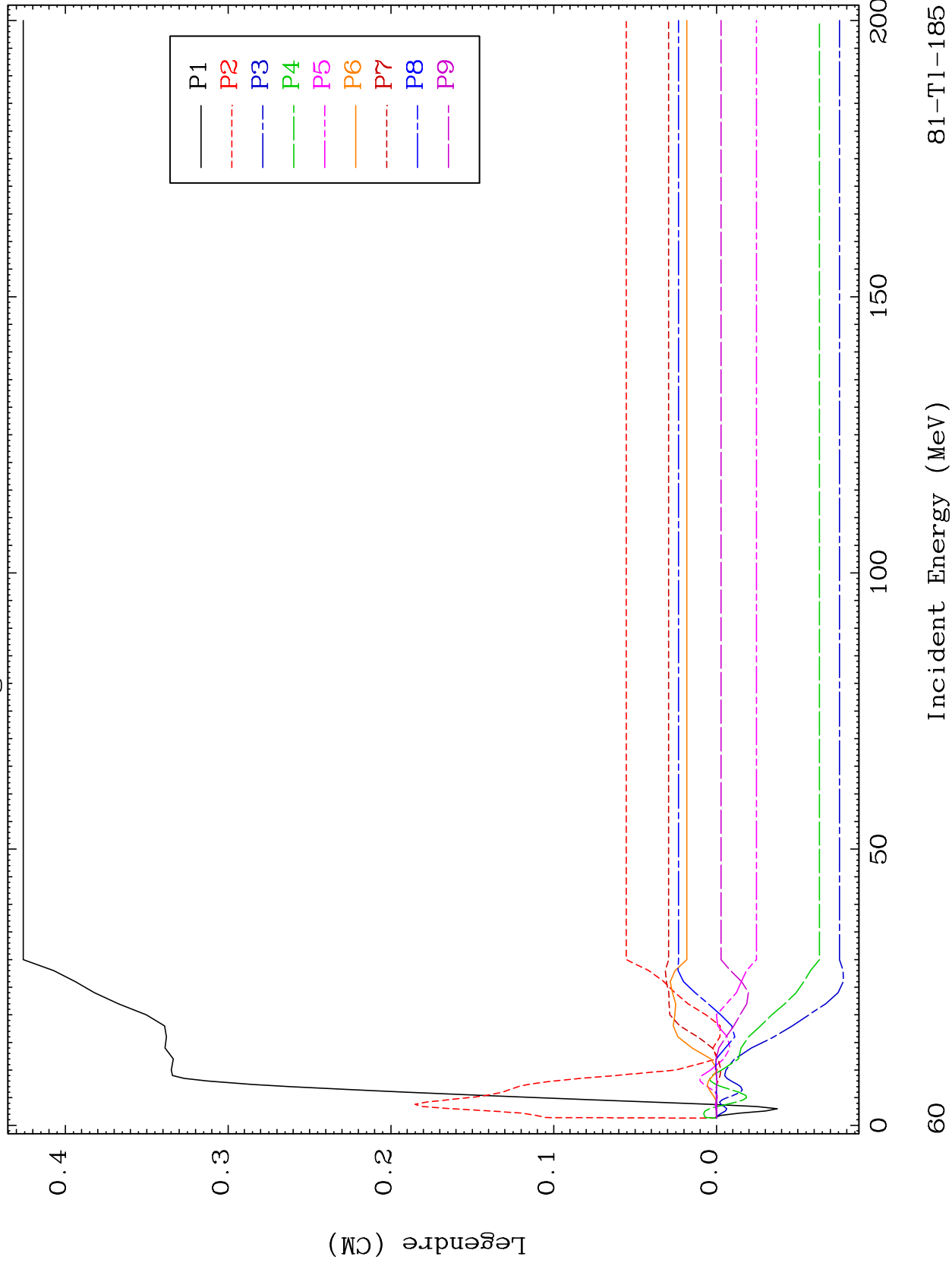
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-T1-185

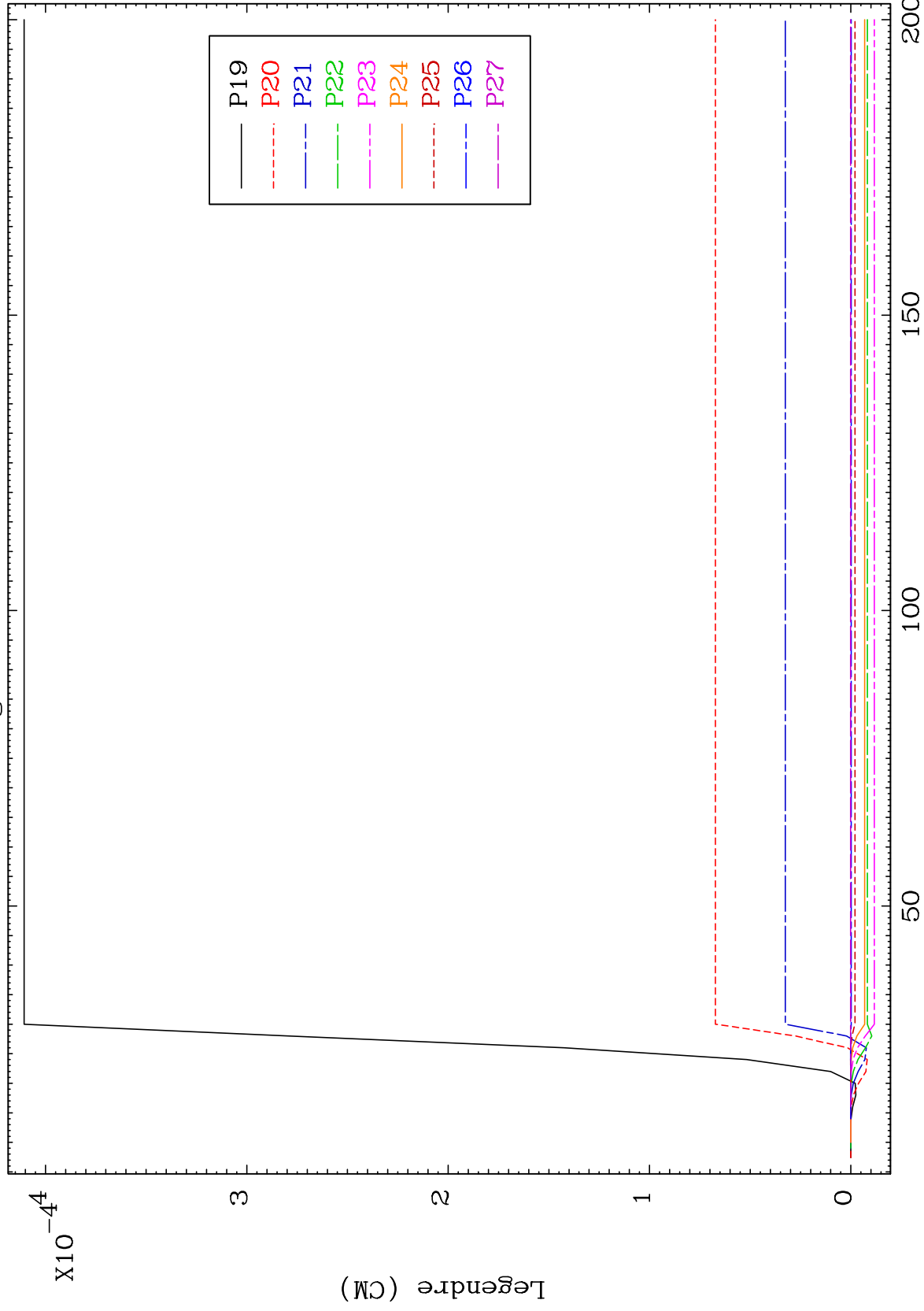


81-T1-185

MAT 8071

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

81-T1-185



62

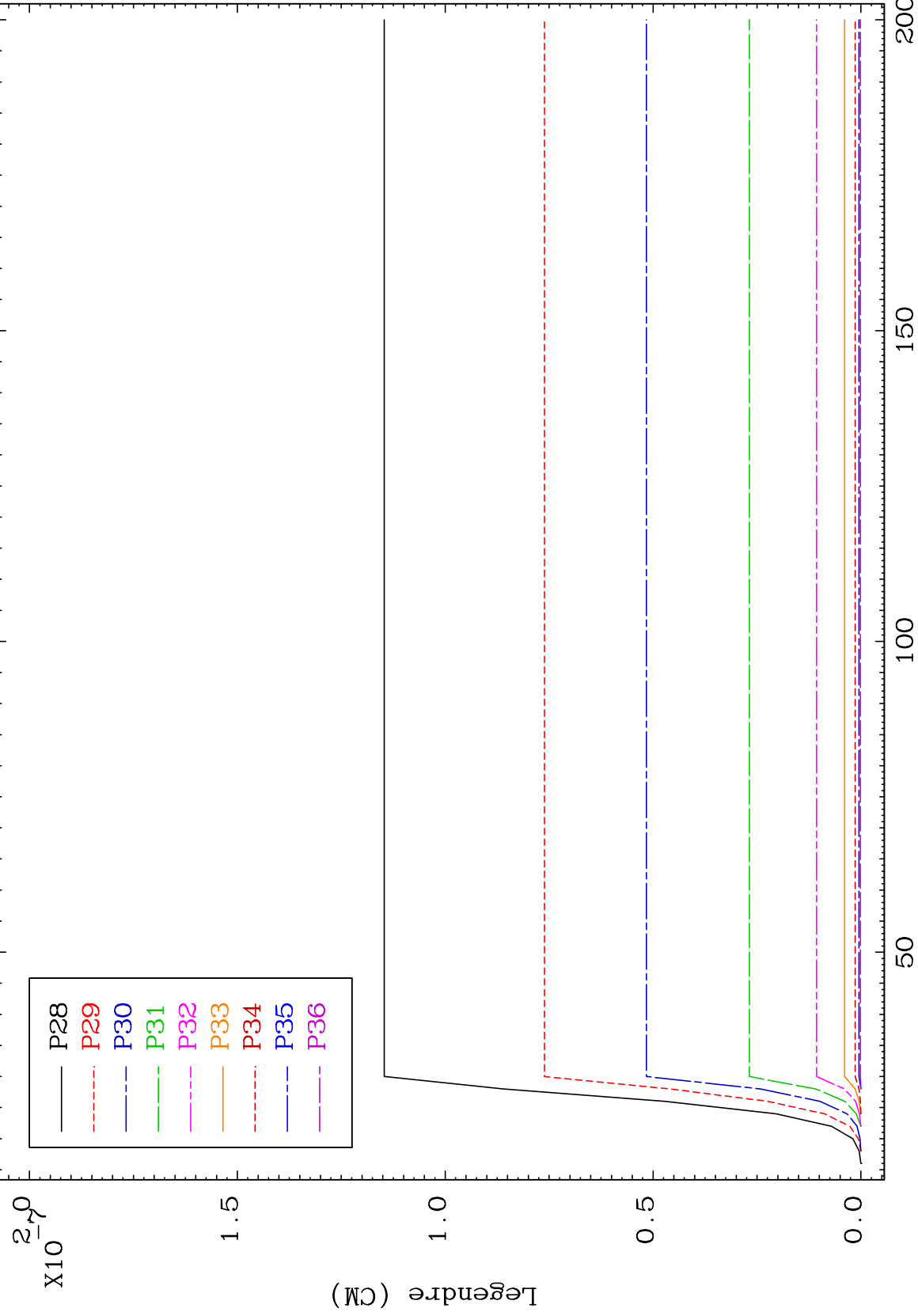
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-Tl-185



63

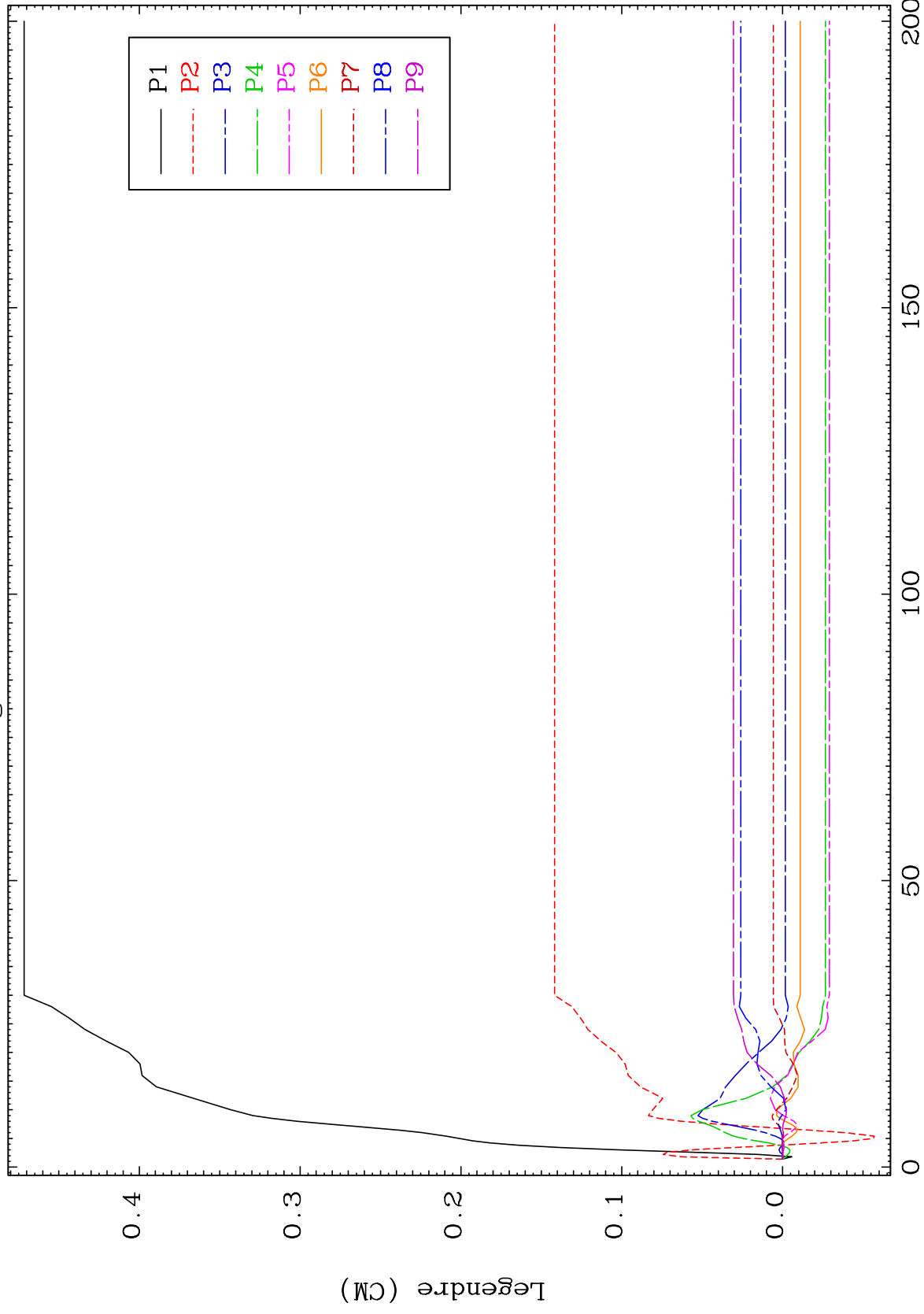
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-T1-185



64

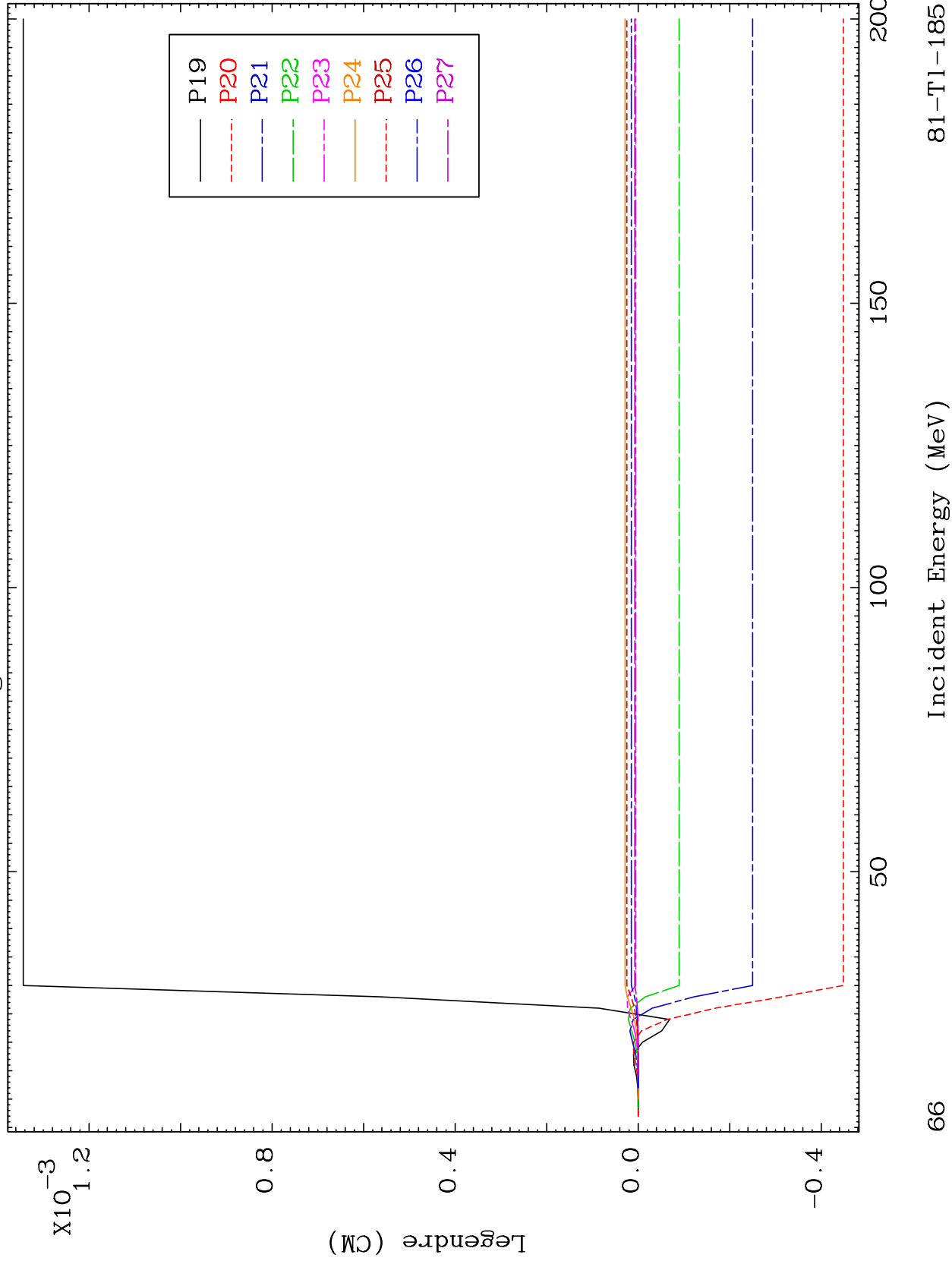
Incident Energy (MeV)

81-T1-185

MAT 8071

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

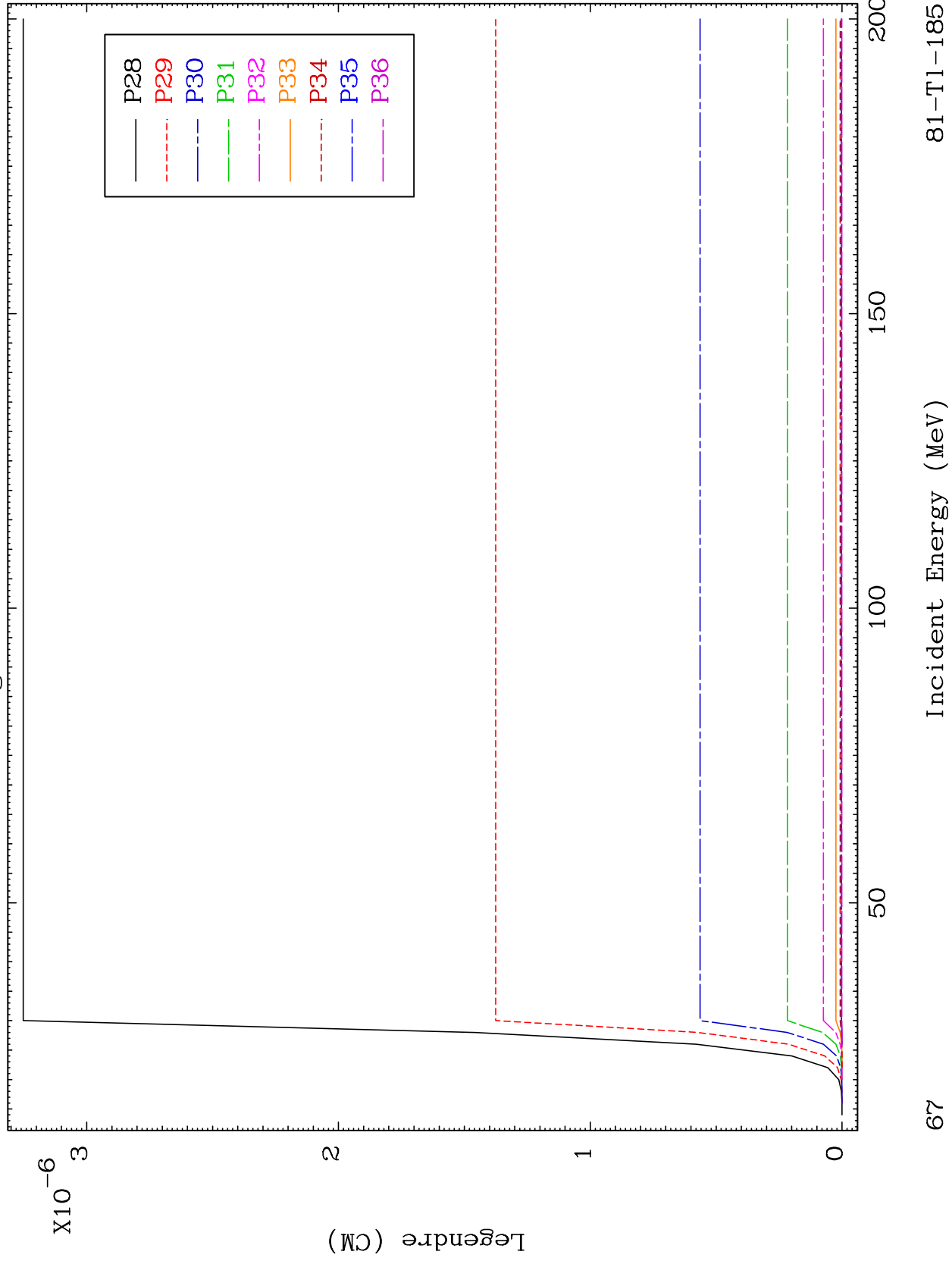
81-Tl-185



MAT 8071

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

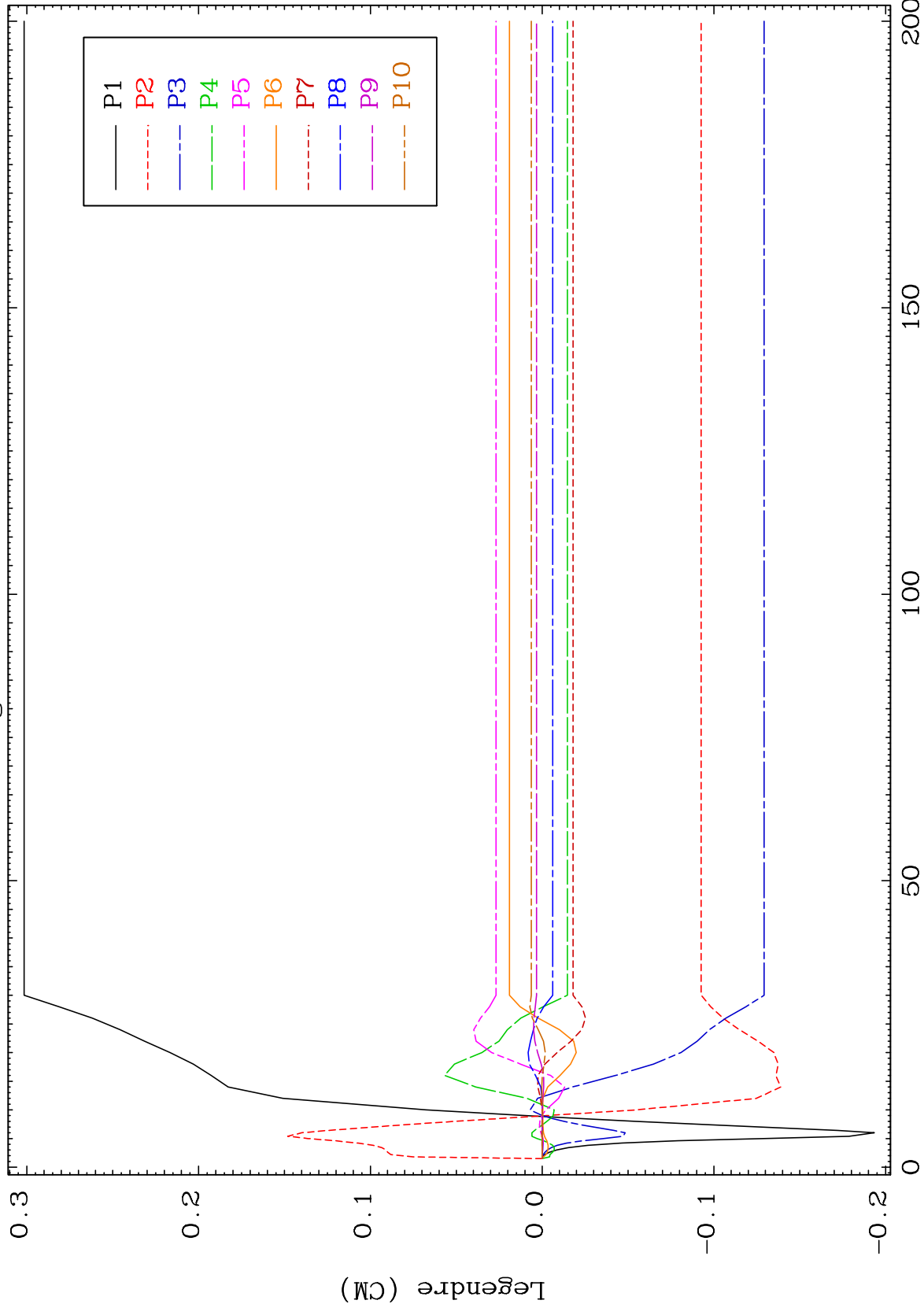
81-Tl-185



MAT 8071

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

81-Tl-185



68

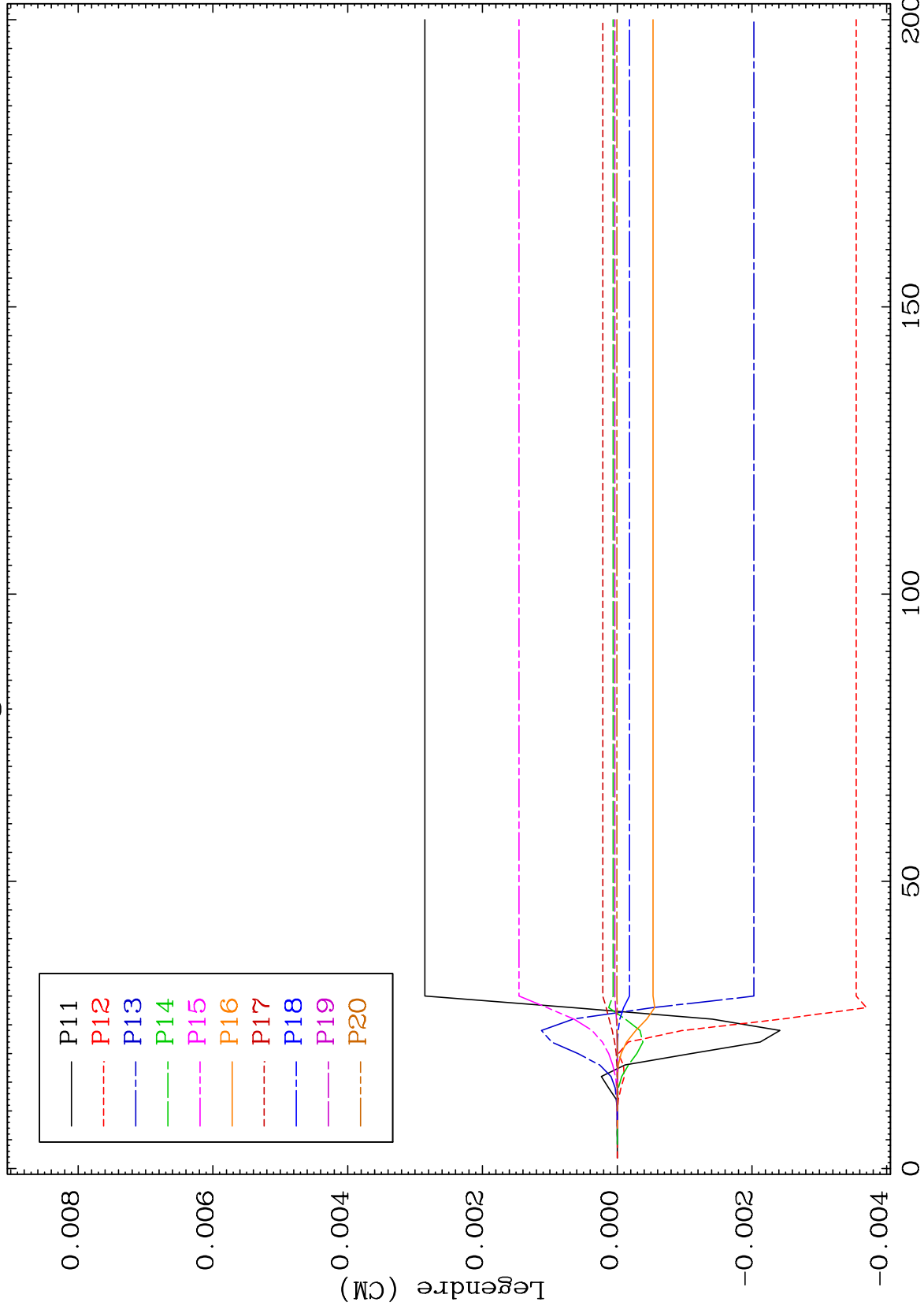
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-T1-185



69

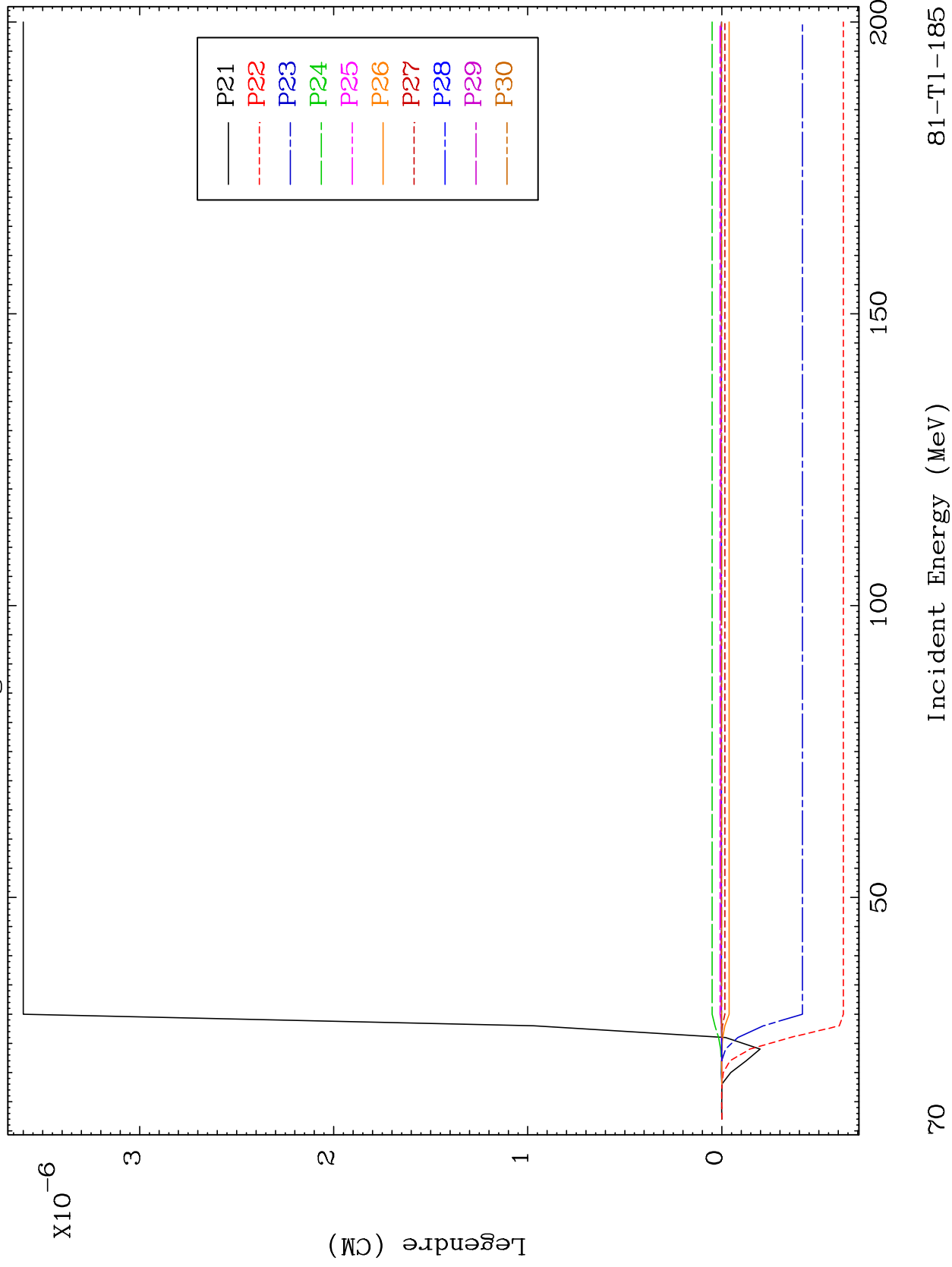
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-Tl-185



70

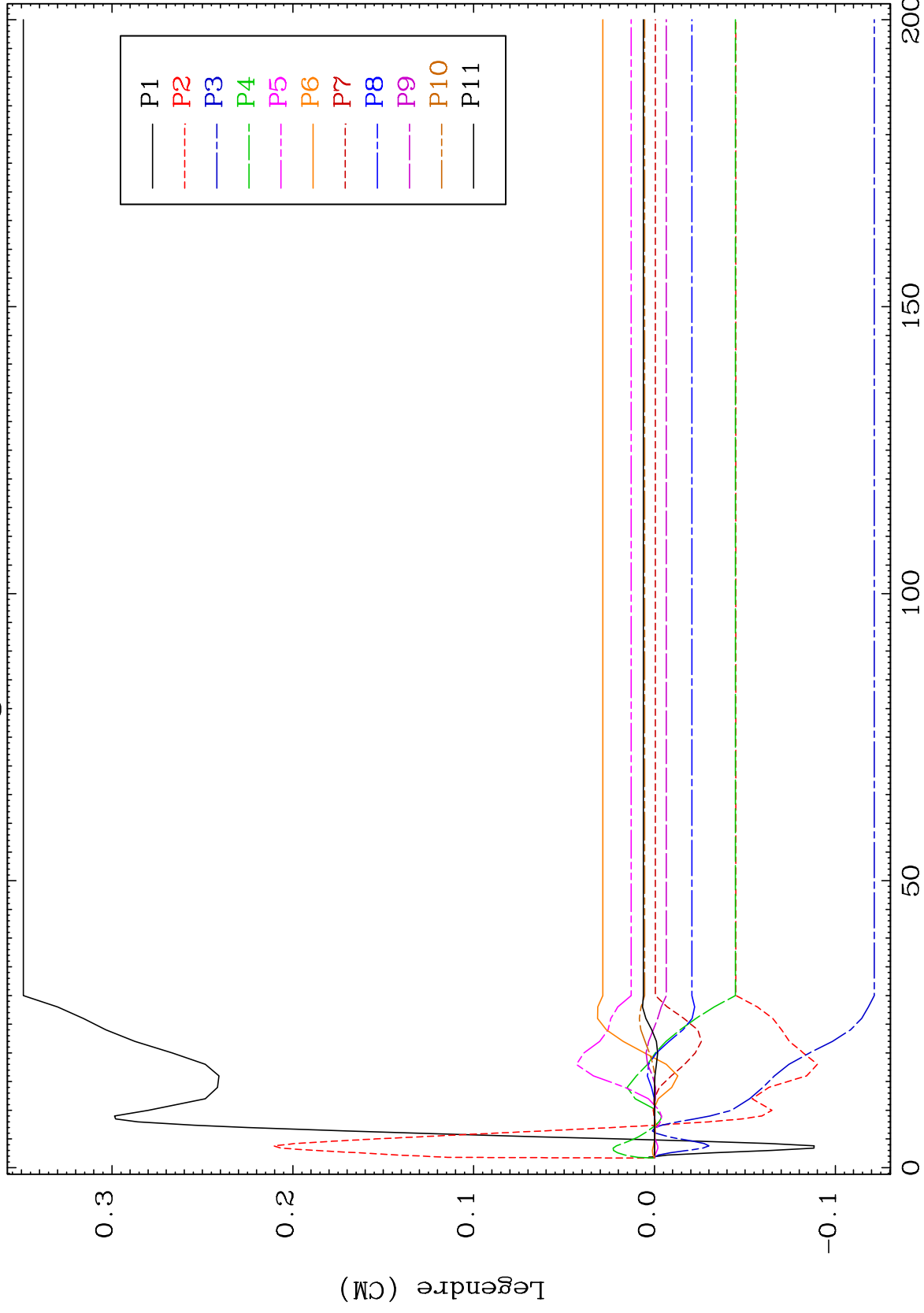
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-Tl-185



71

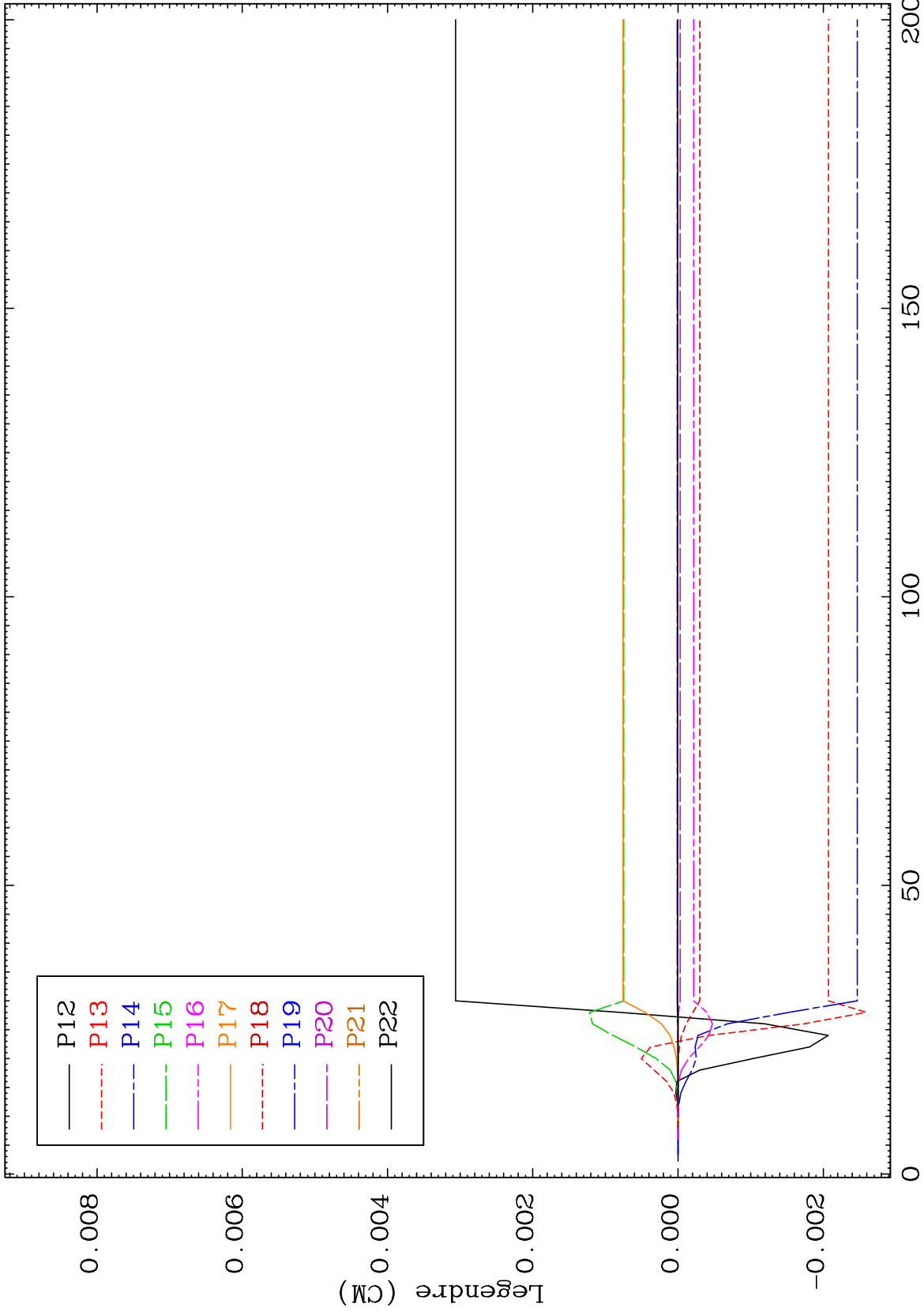
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-Tl-185



72

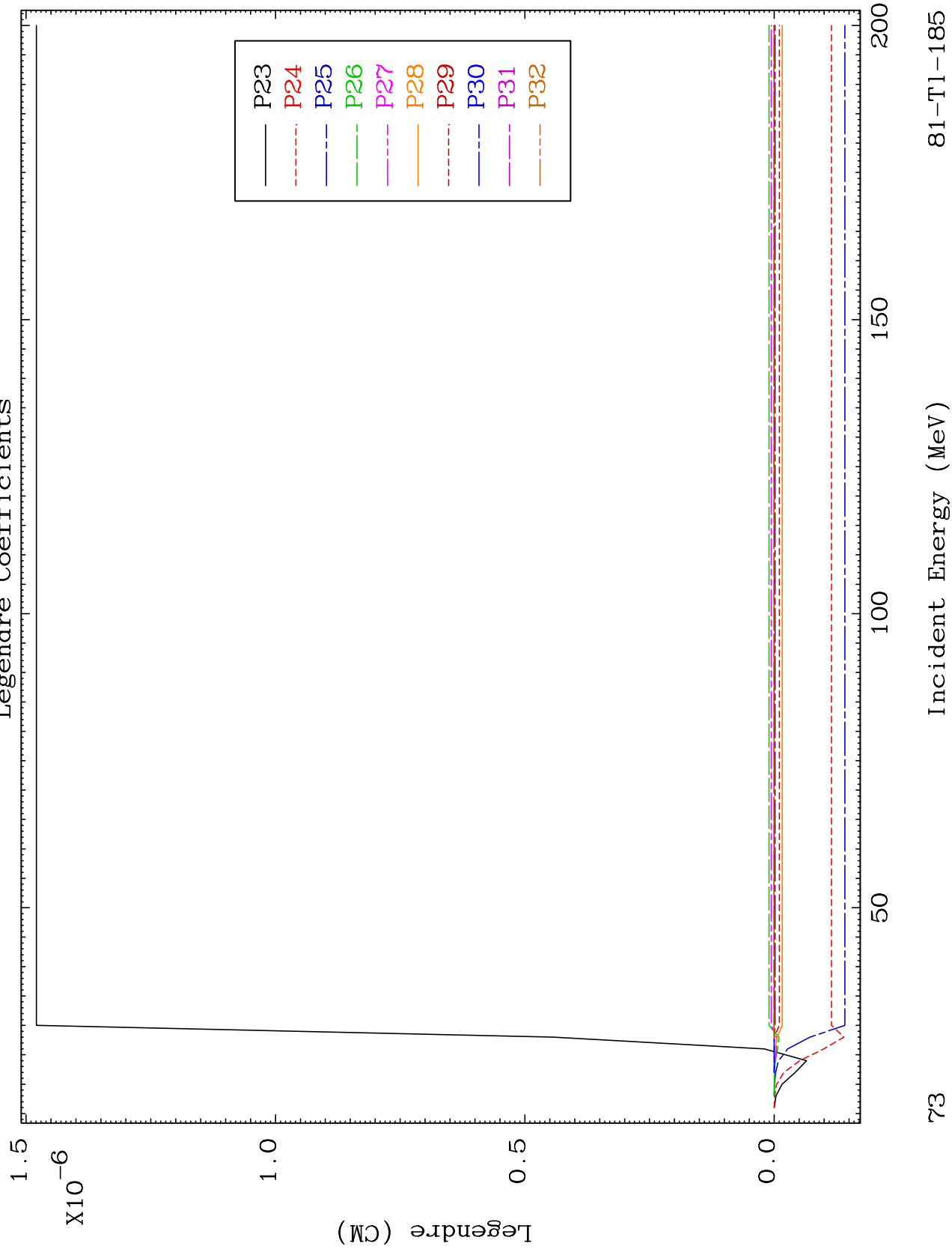
Incident Energy (MeV)

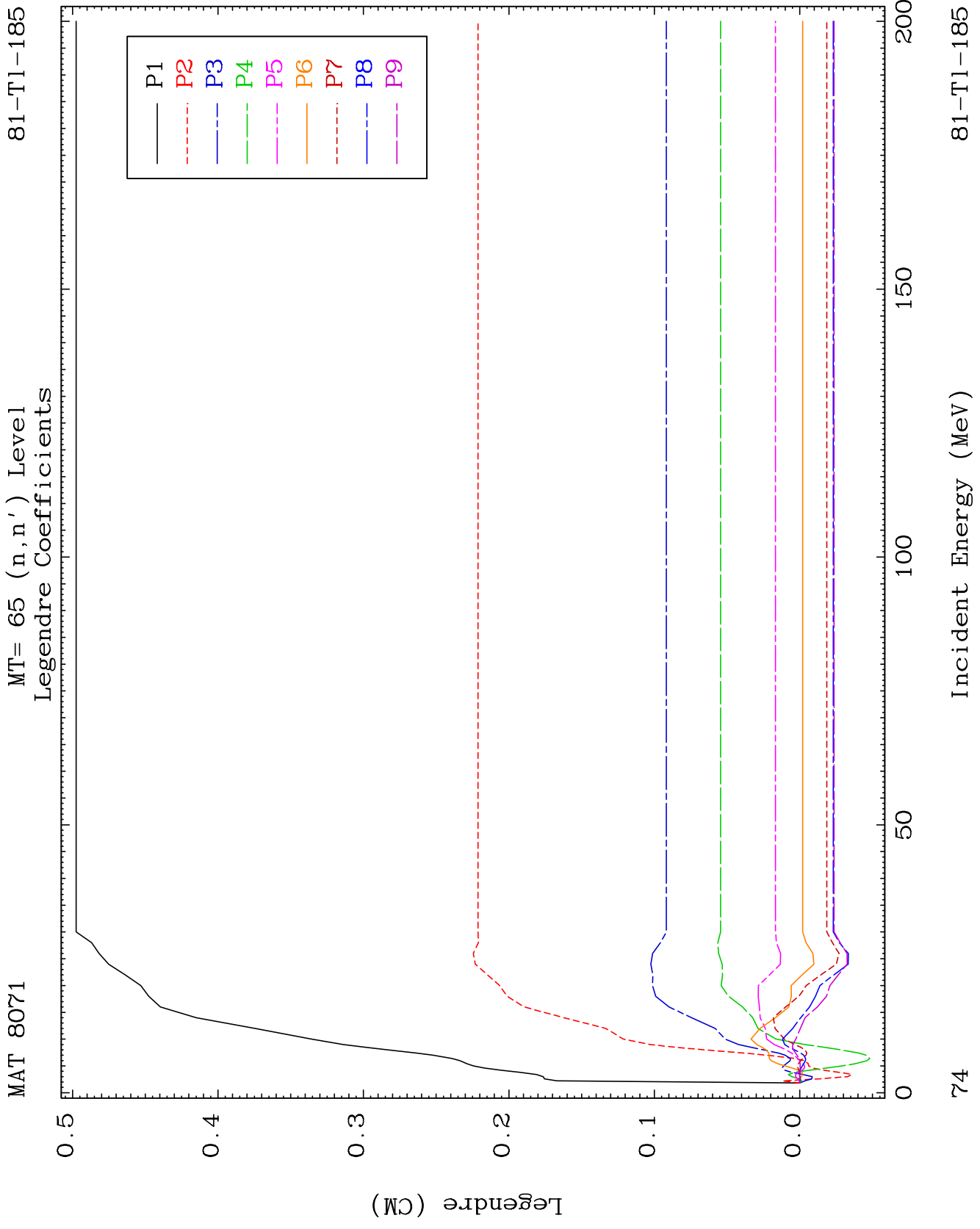
81-Tl-185

MAT 8071

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

81-Tl-185

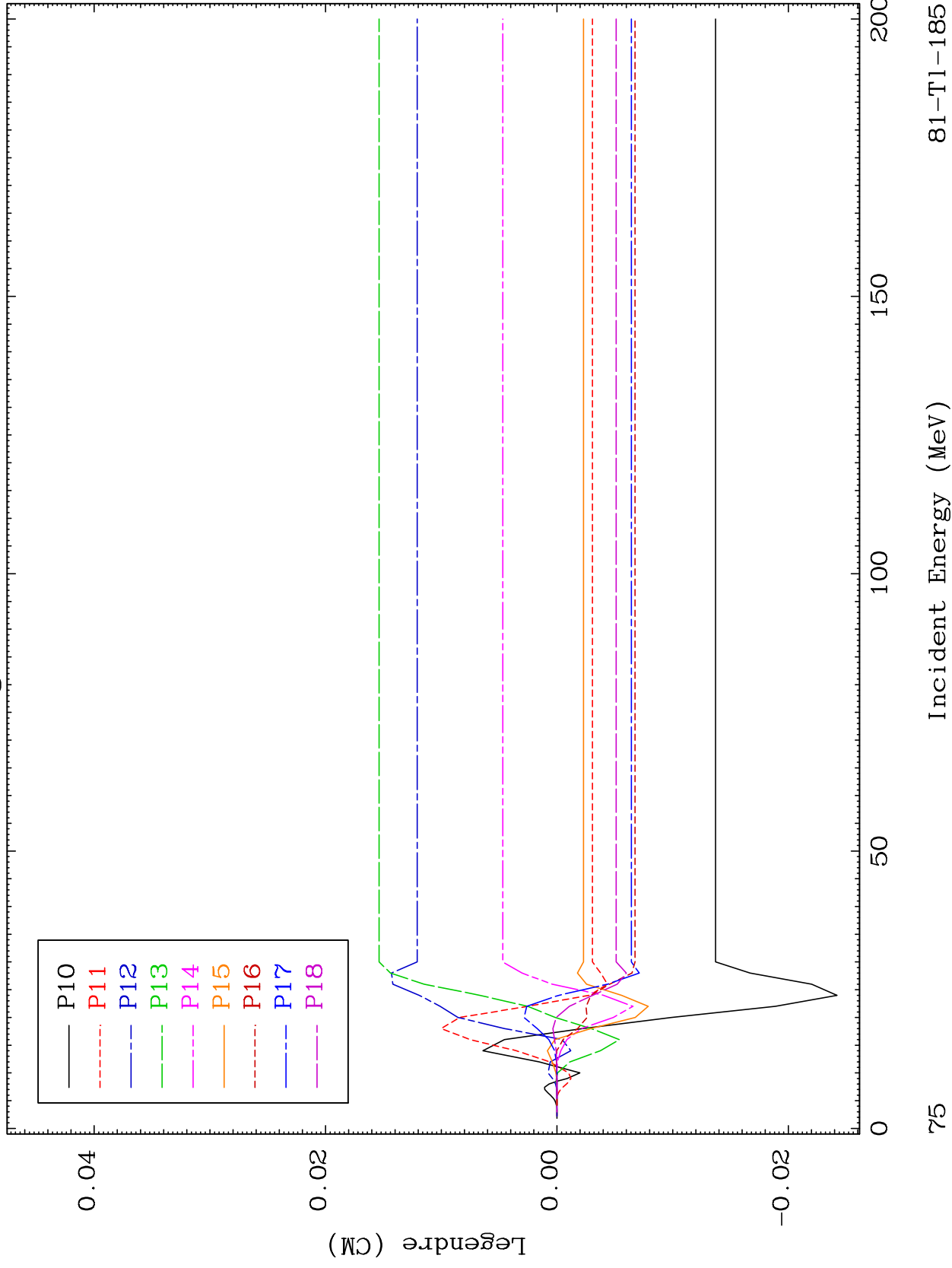




MAT 8071

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

81-T1-185



81-T1-185

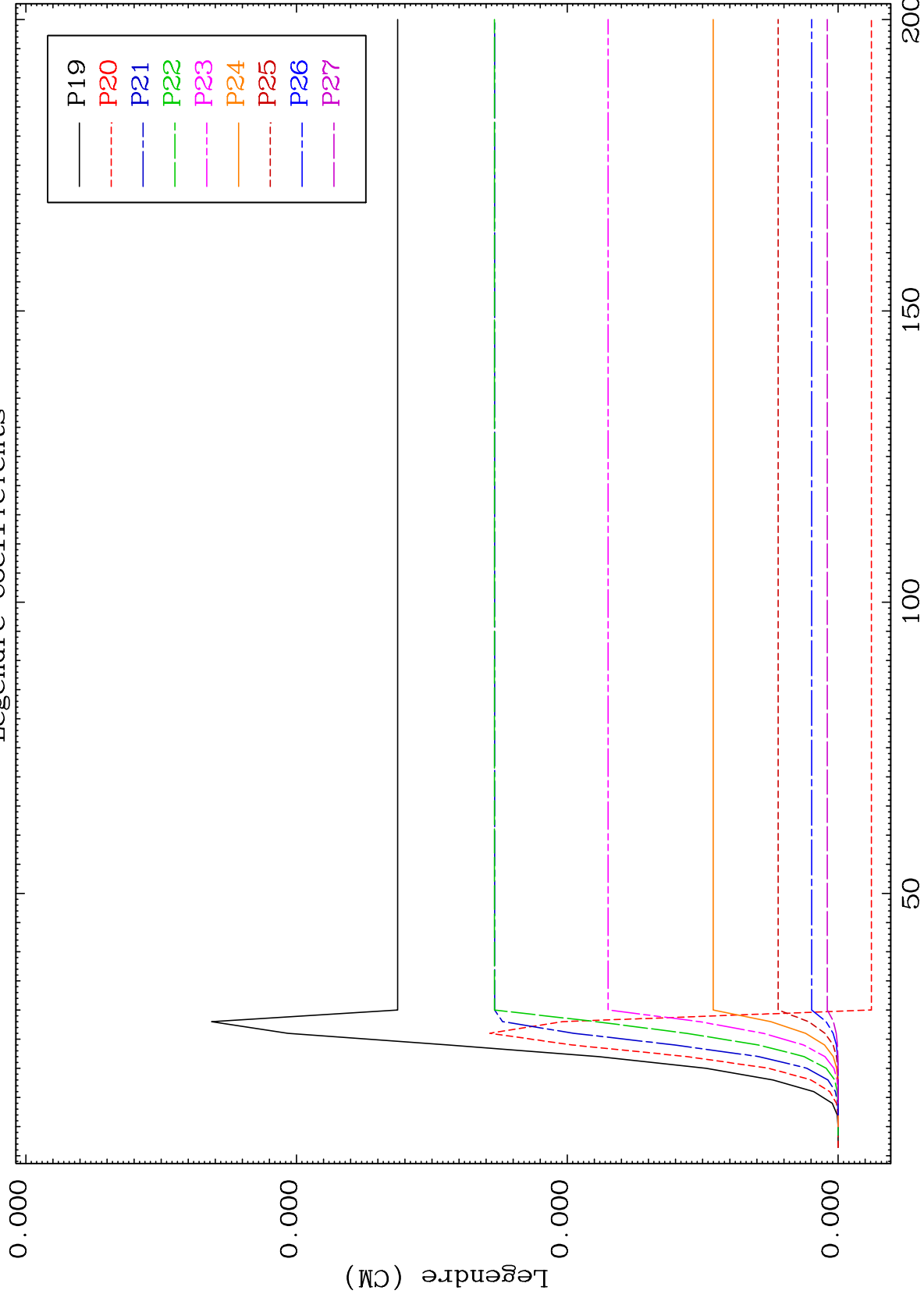
Incident Energy (MeV)

75

MAT 8071

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

81-T1-185



76

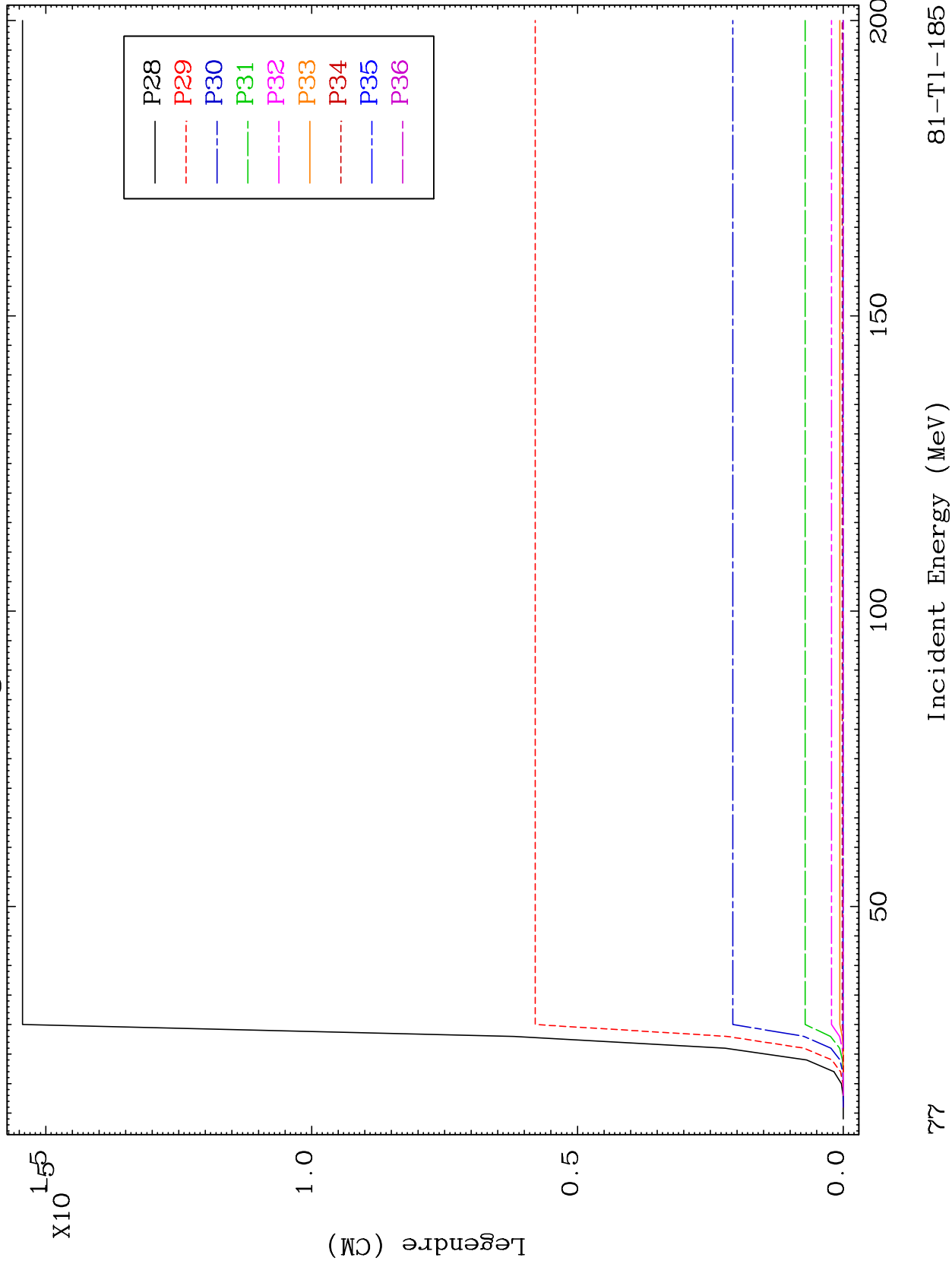
Incident Energy (MeV)

81-T1-185

MAT 8071

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

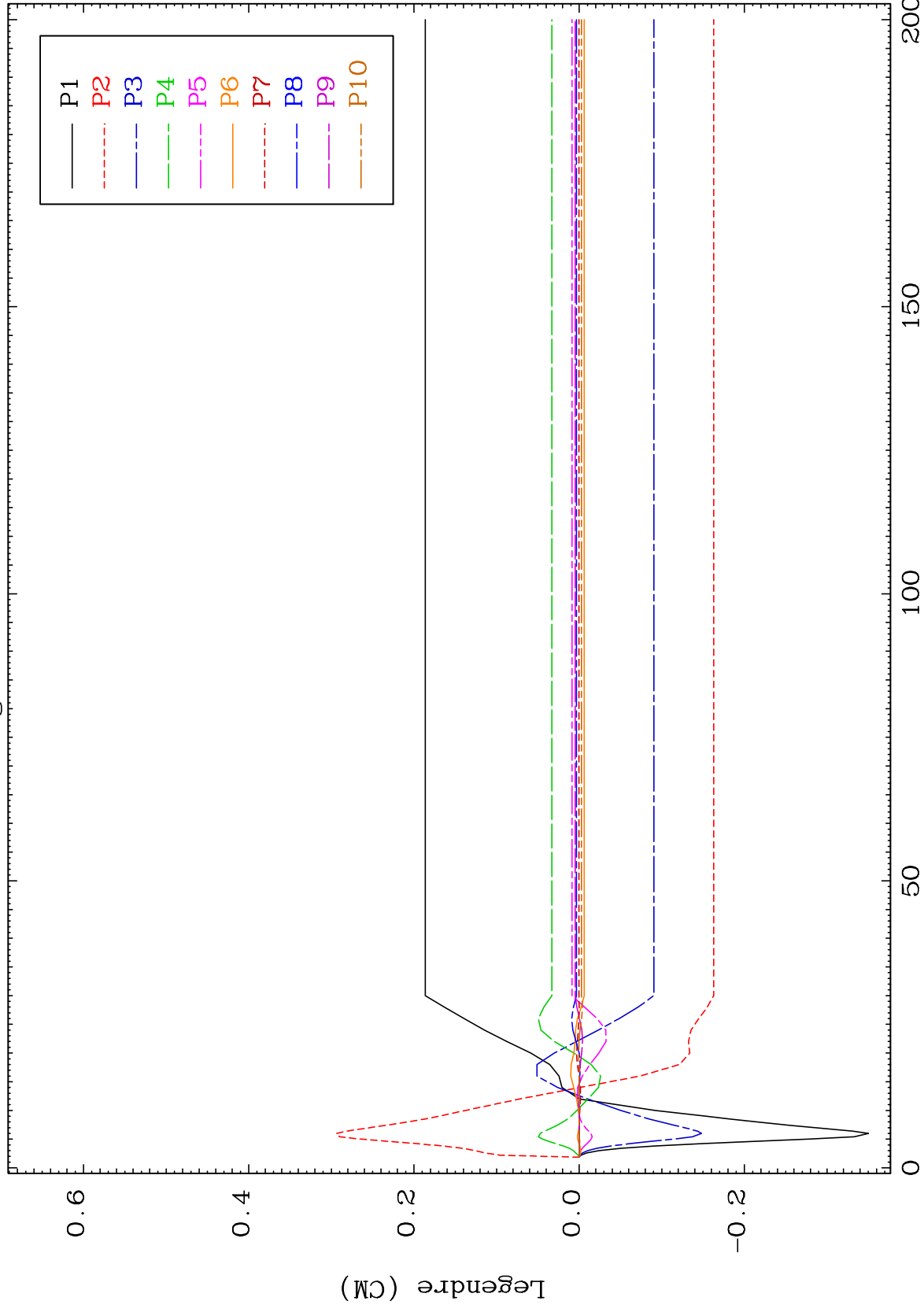
81-Tl-185



MAT 8071

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

81-Tl-185



78

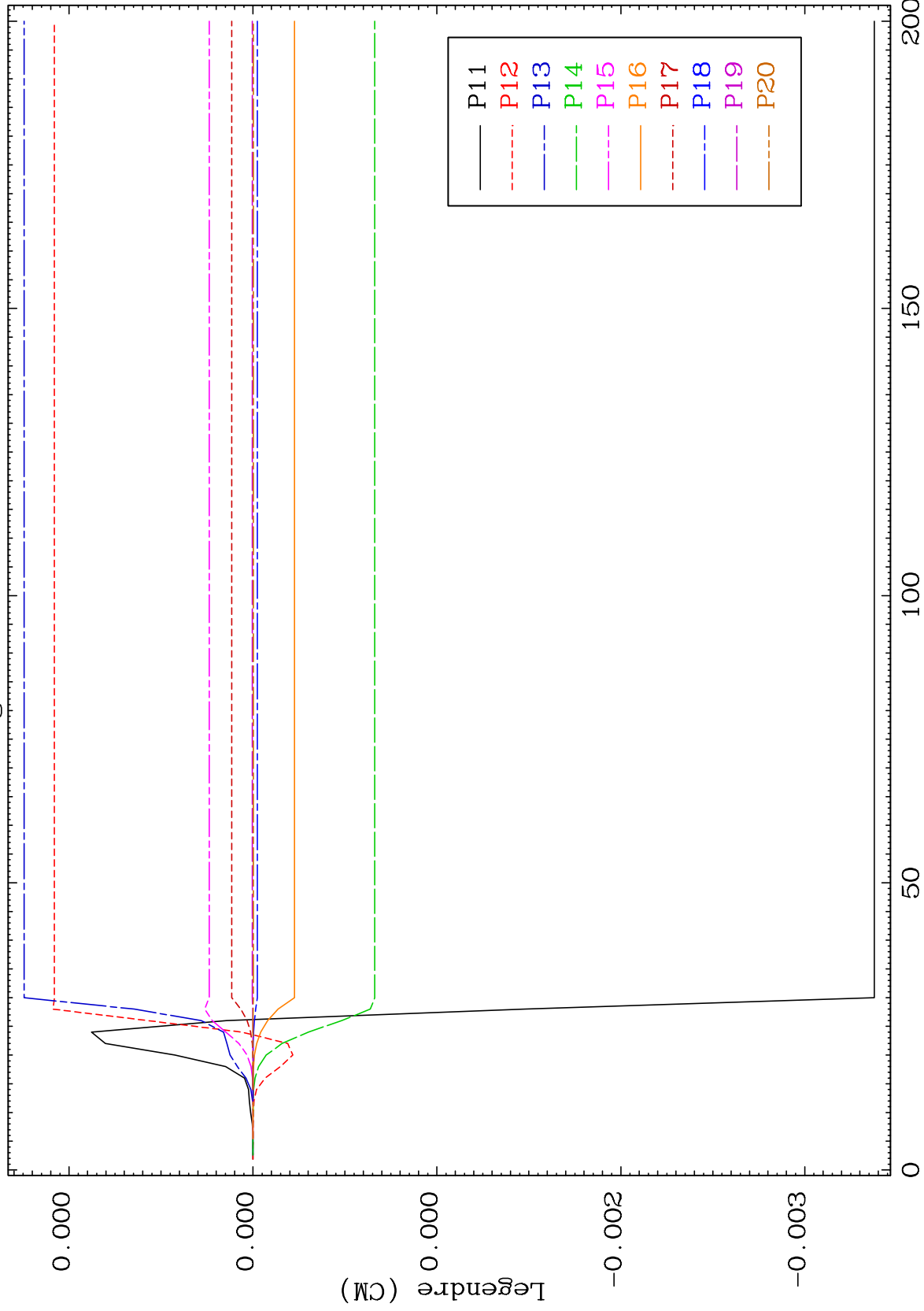
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

81-Tl-185



79

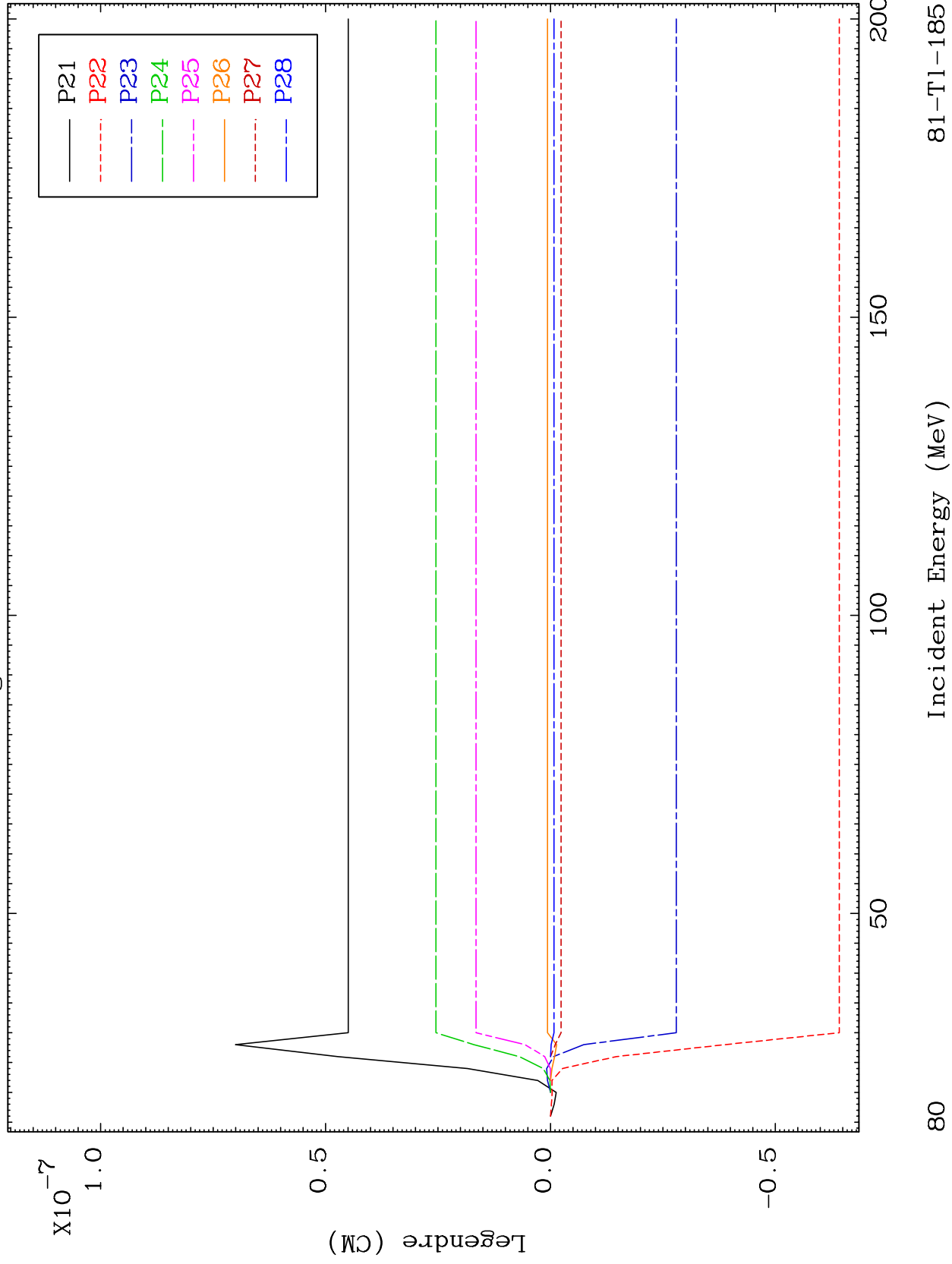
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

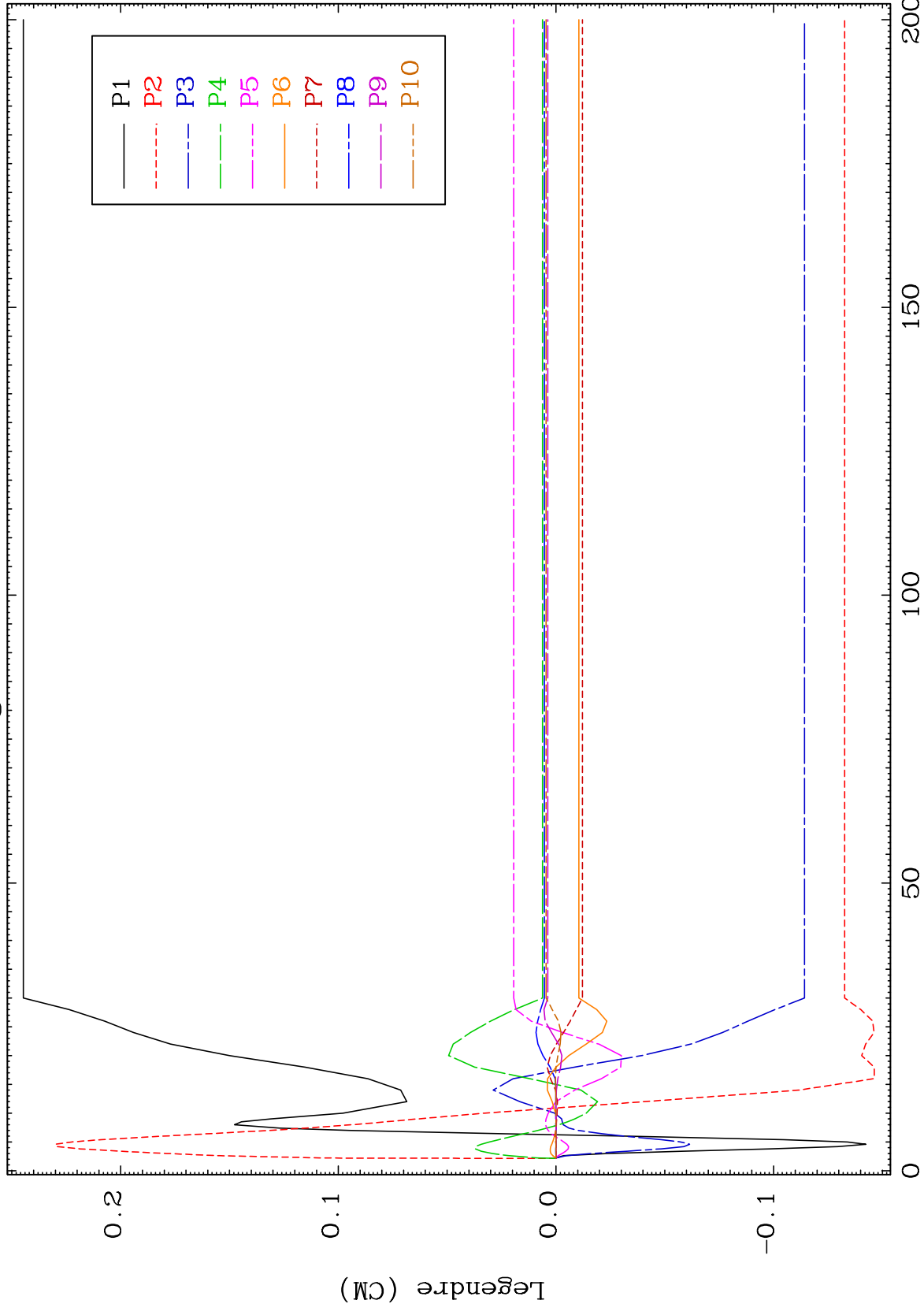
81-Tl-185



MAT 8071

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

81-T1-185



81

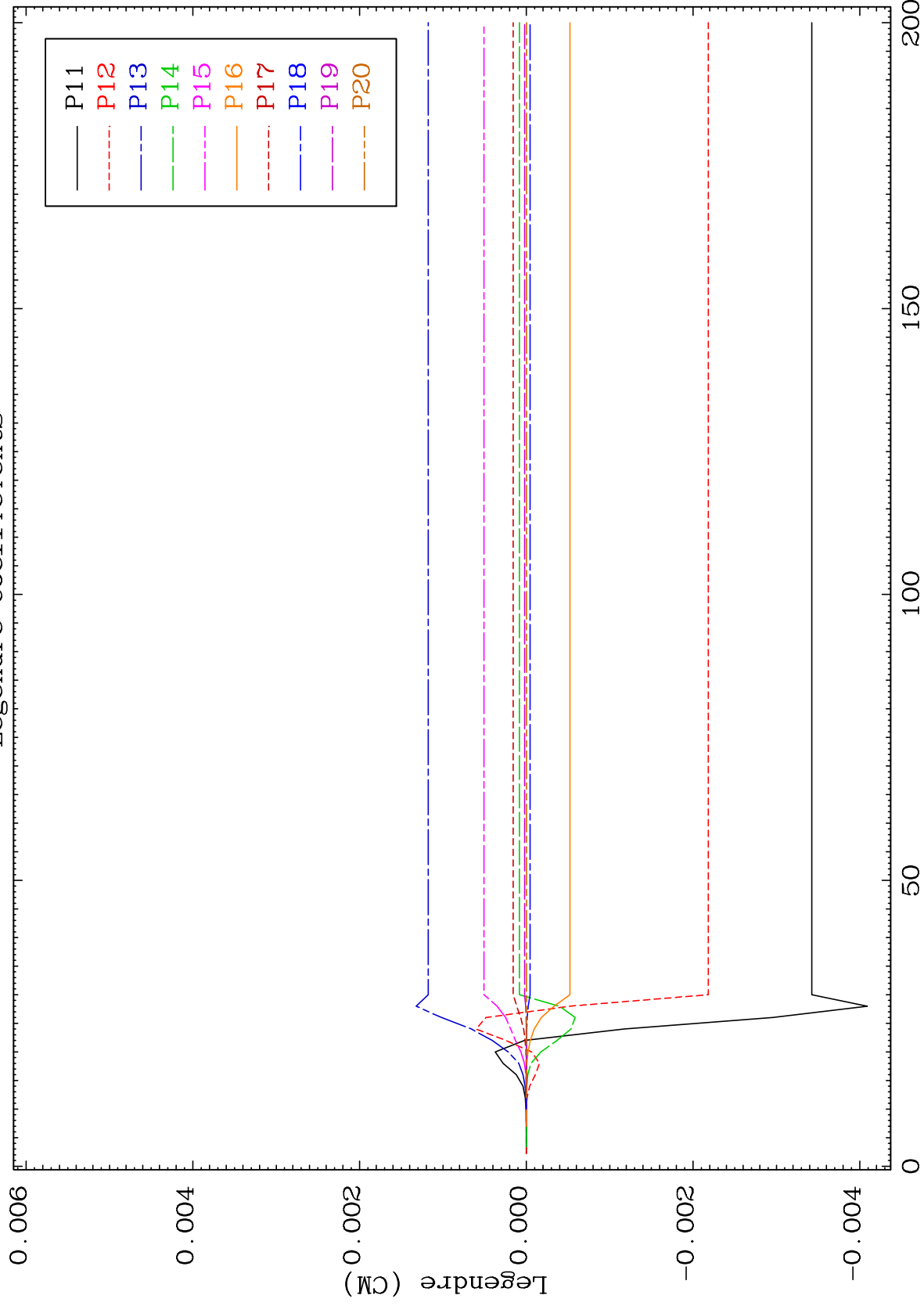
Incident Energy (MeV)

81-T1-185

MAT 8071

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

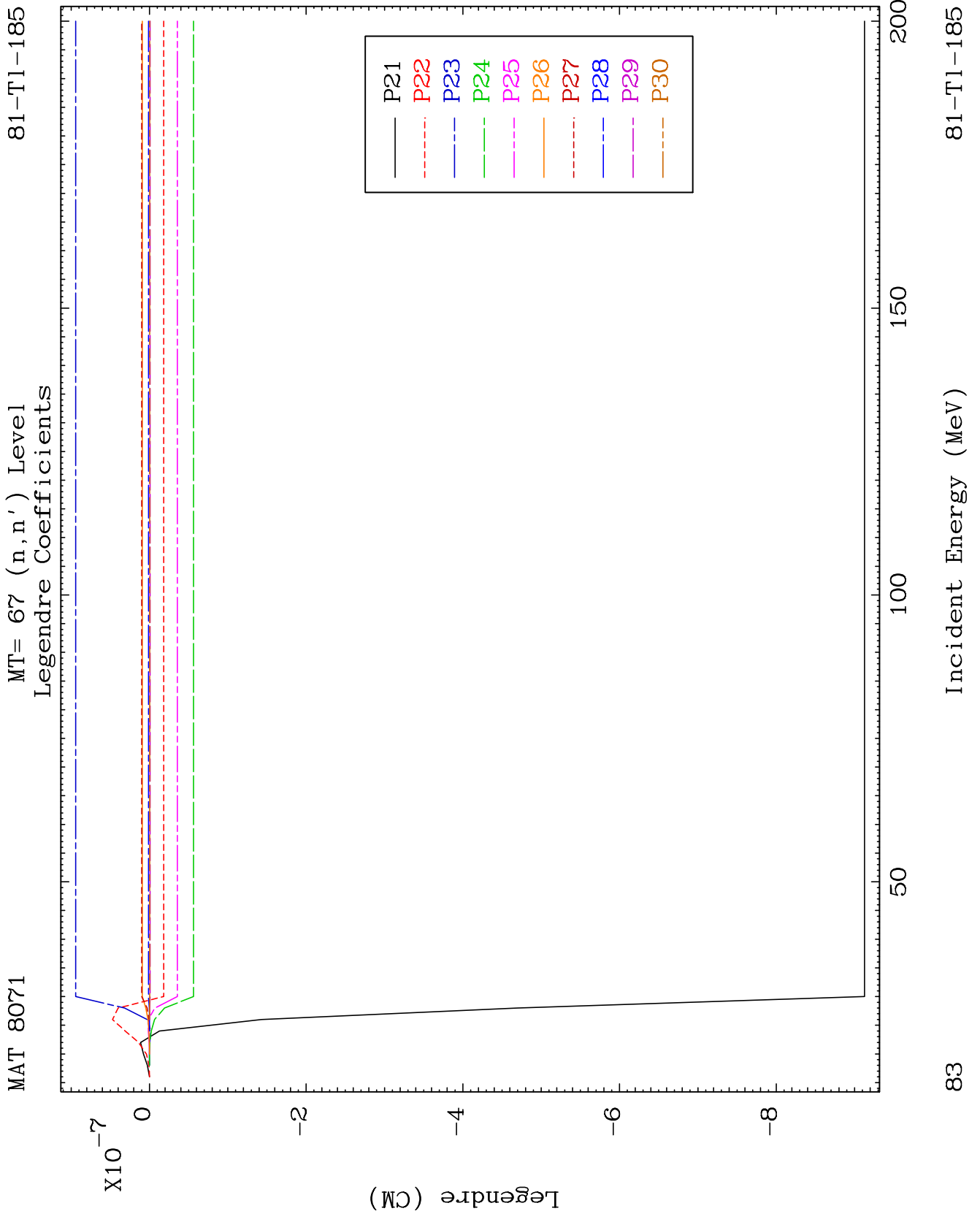
81-T1-185



82

Incident Energy (MeV)

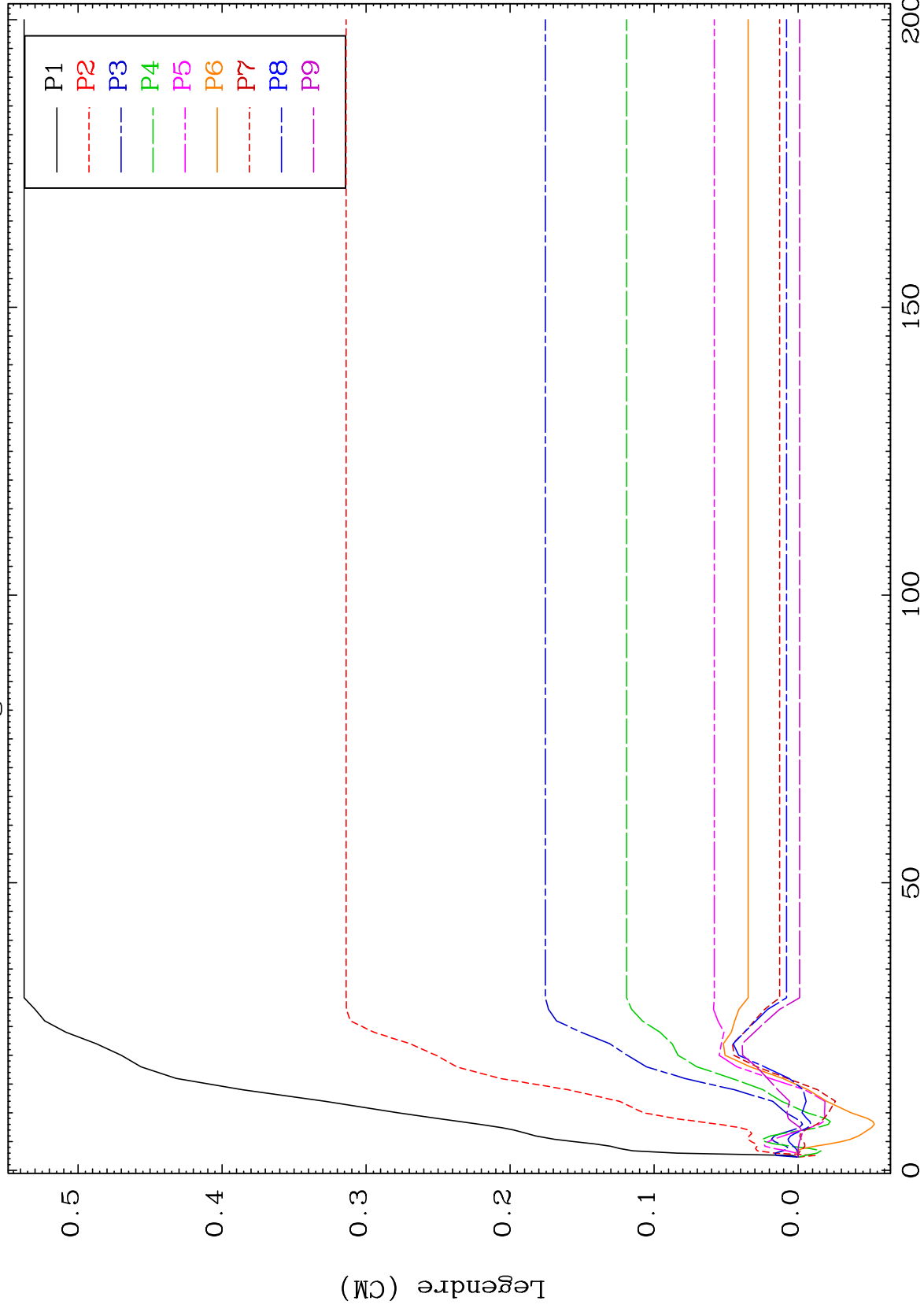
81-T1-185



MAT 8071

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

81-T1-185



84

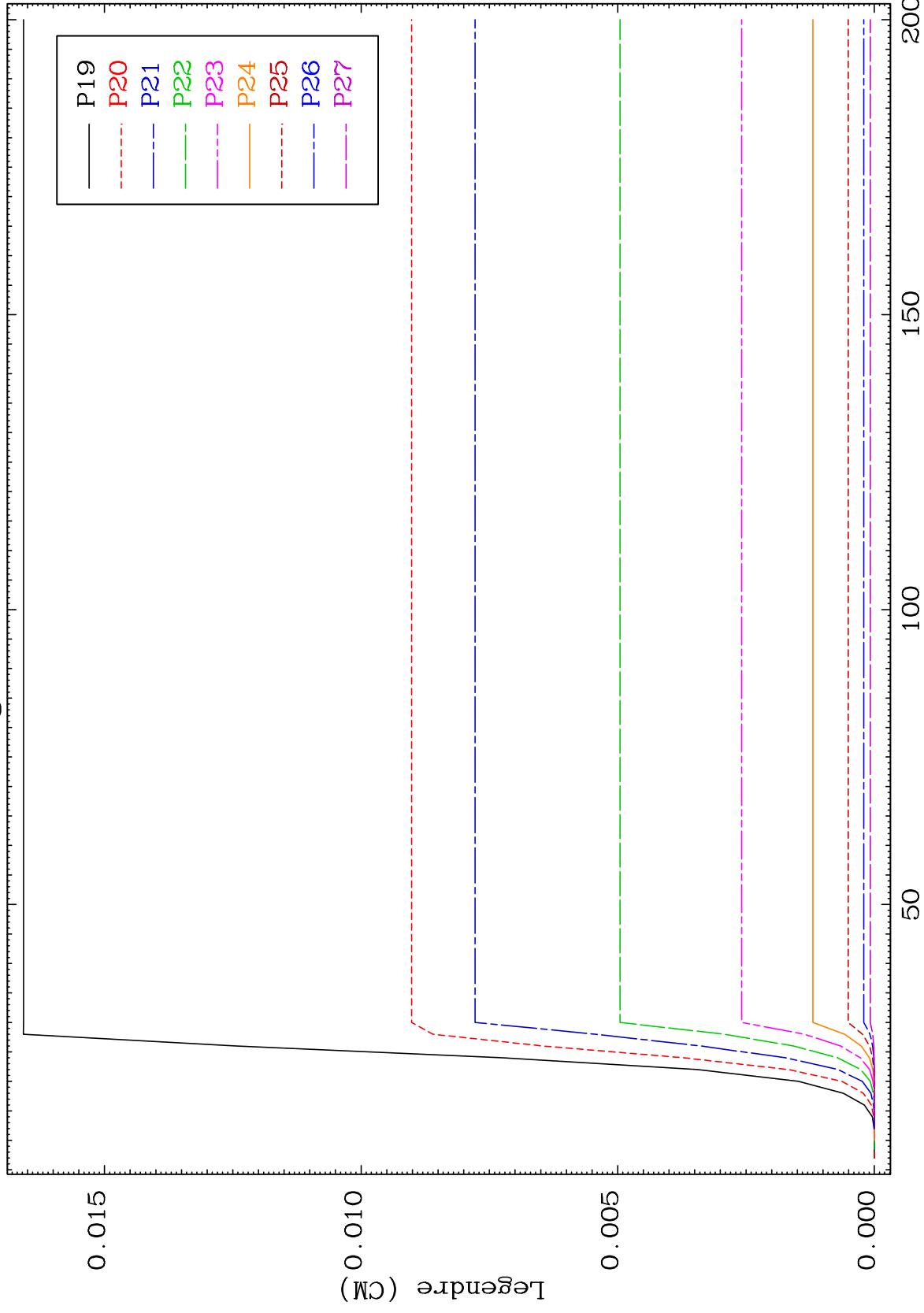
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-T1-185



86

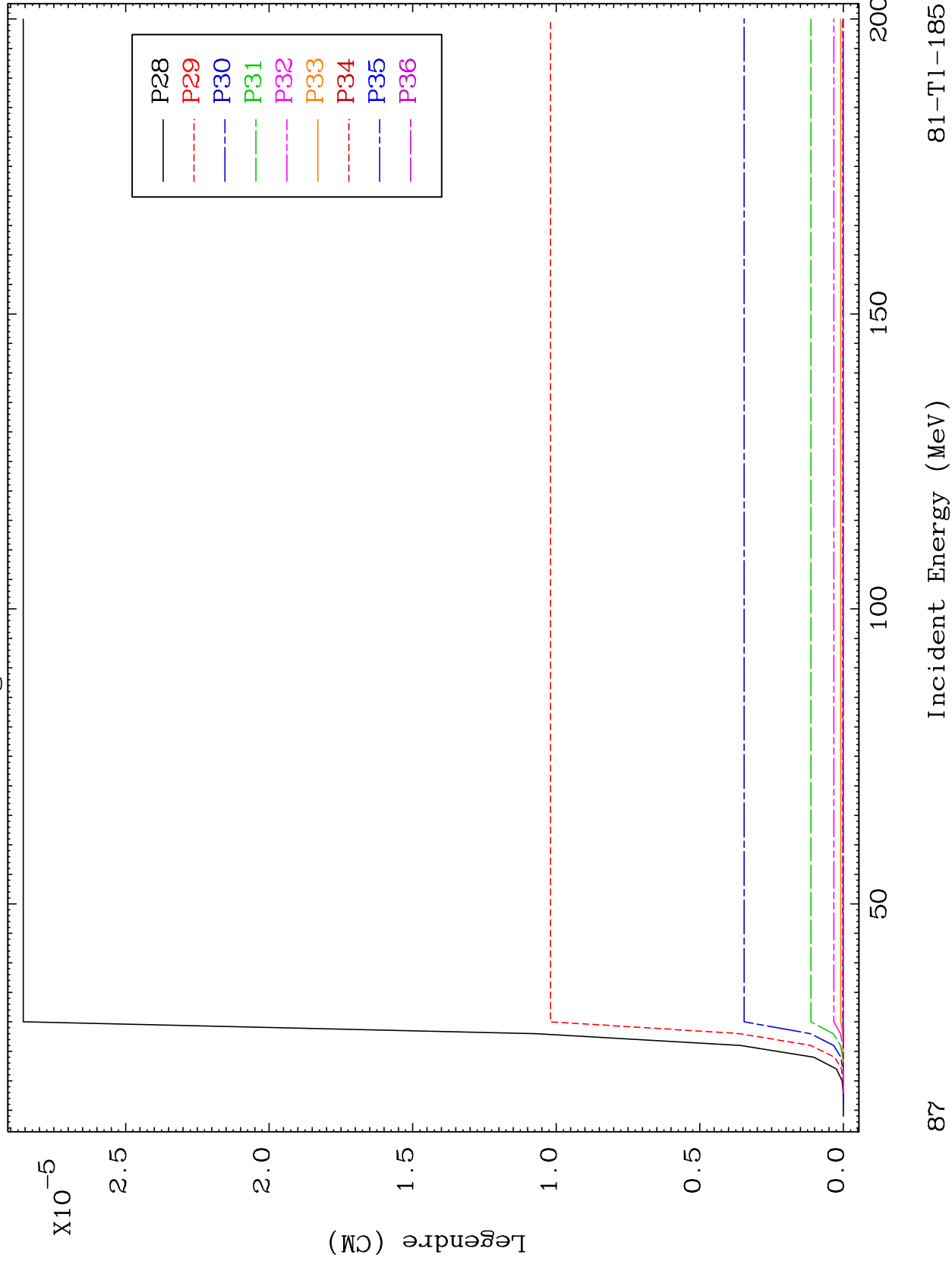
Incident Energy (MeV)

81-T1-185

MAT 8071

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

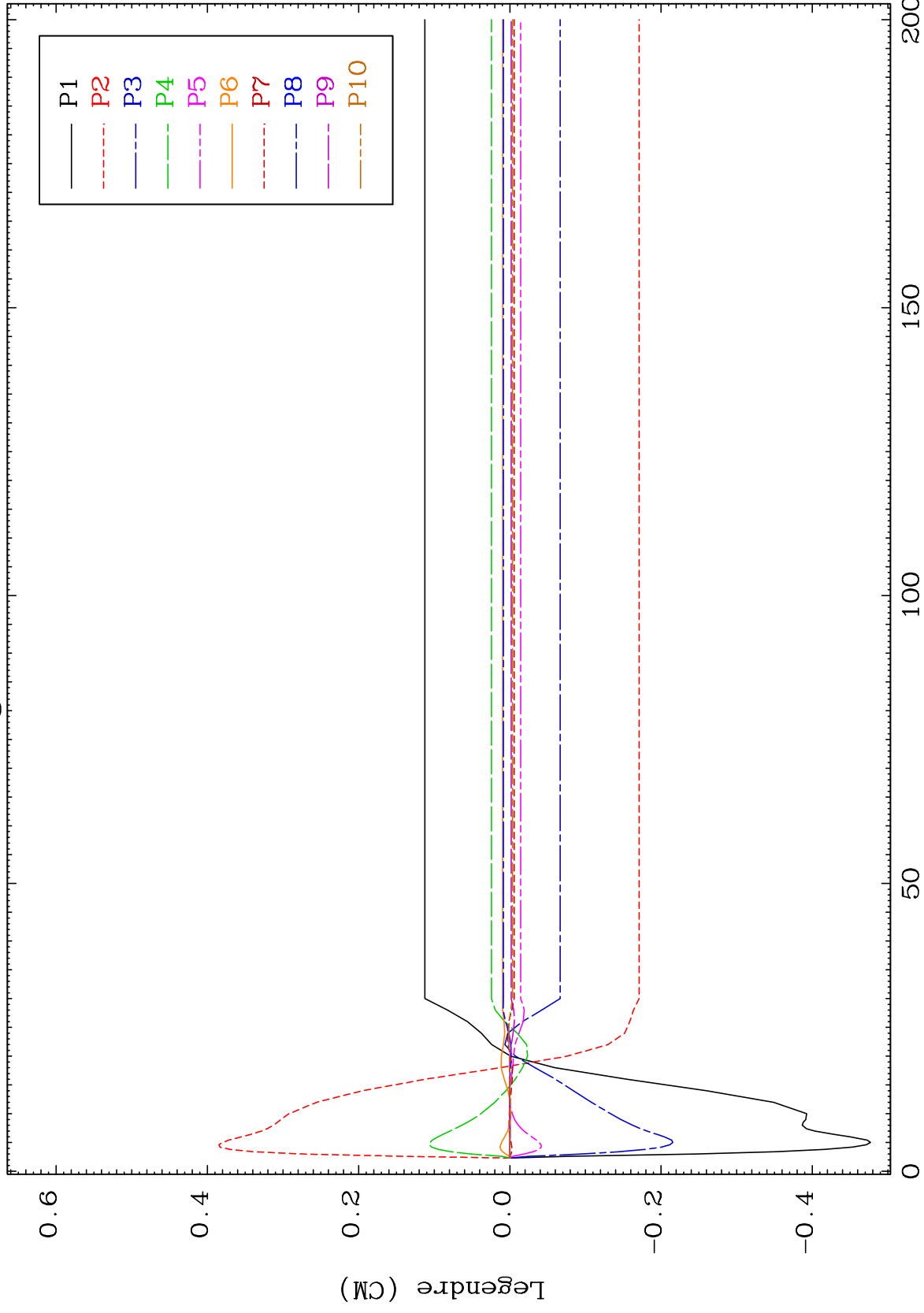
81-Tl-185



MAT 8071

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

81-Tl-185



88

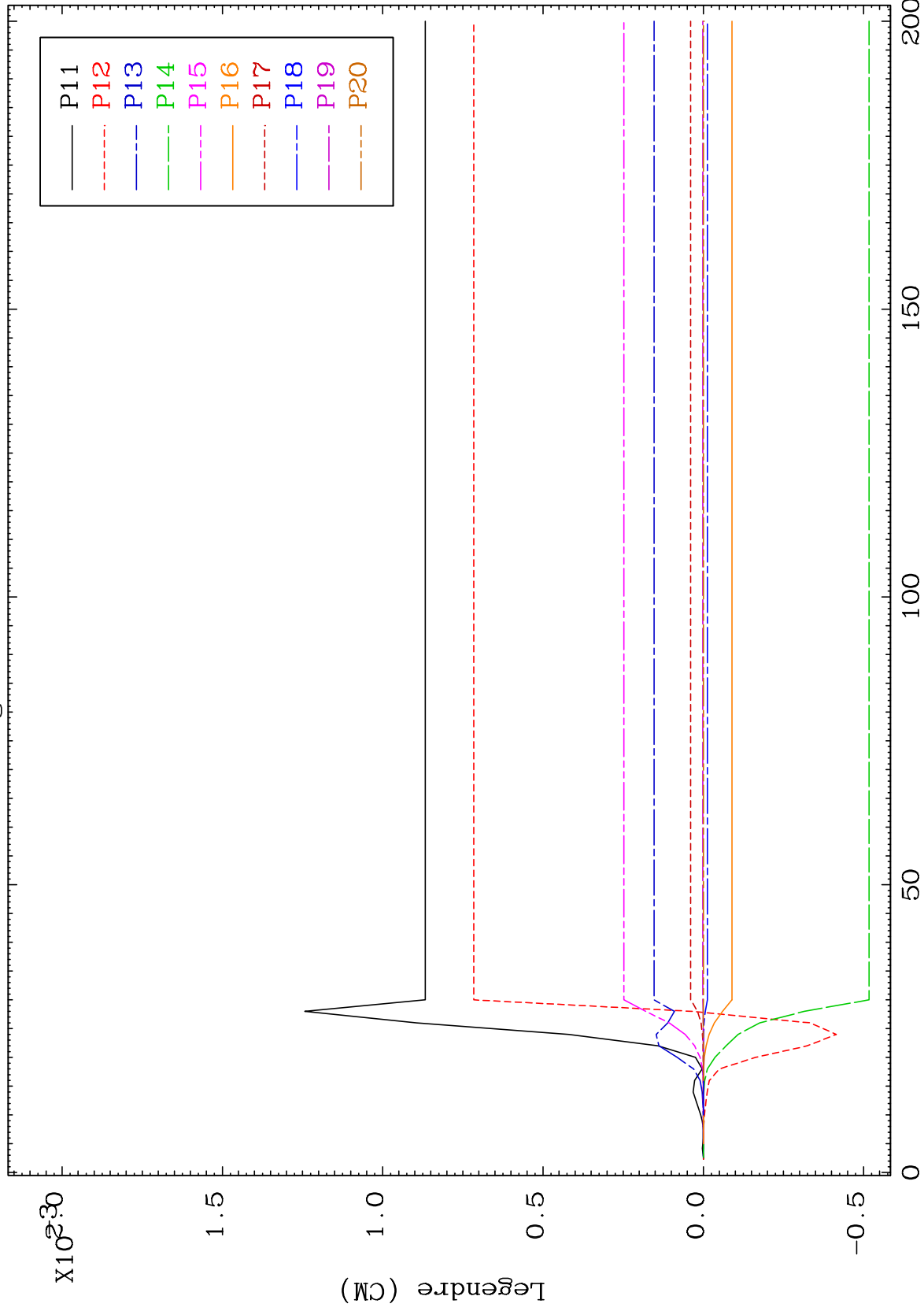
Incident Energy (MeV)

81-Tl-185

MAT 8071

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

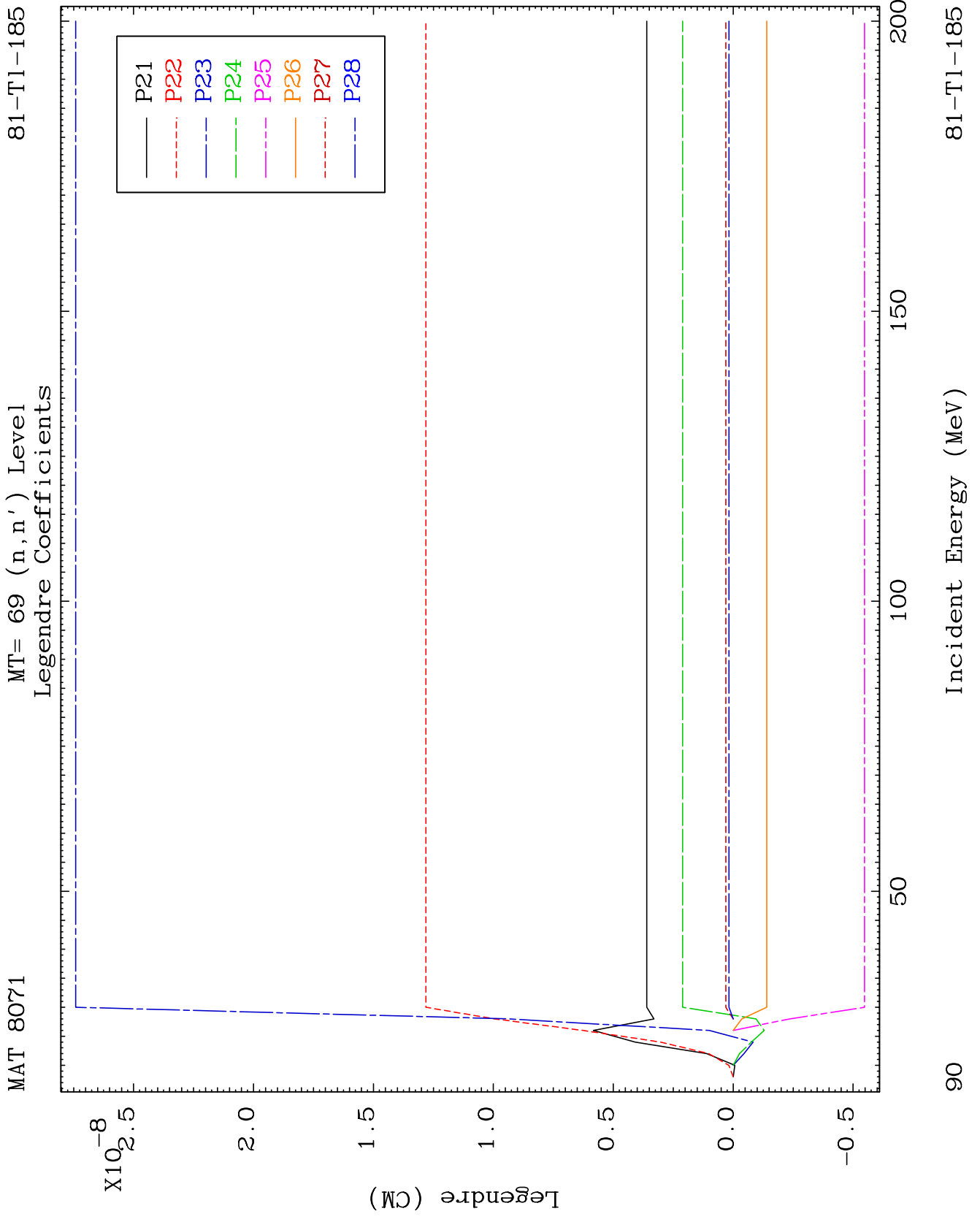
81-Tl-185



89

Incident Energy (MeV)

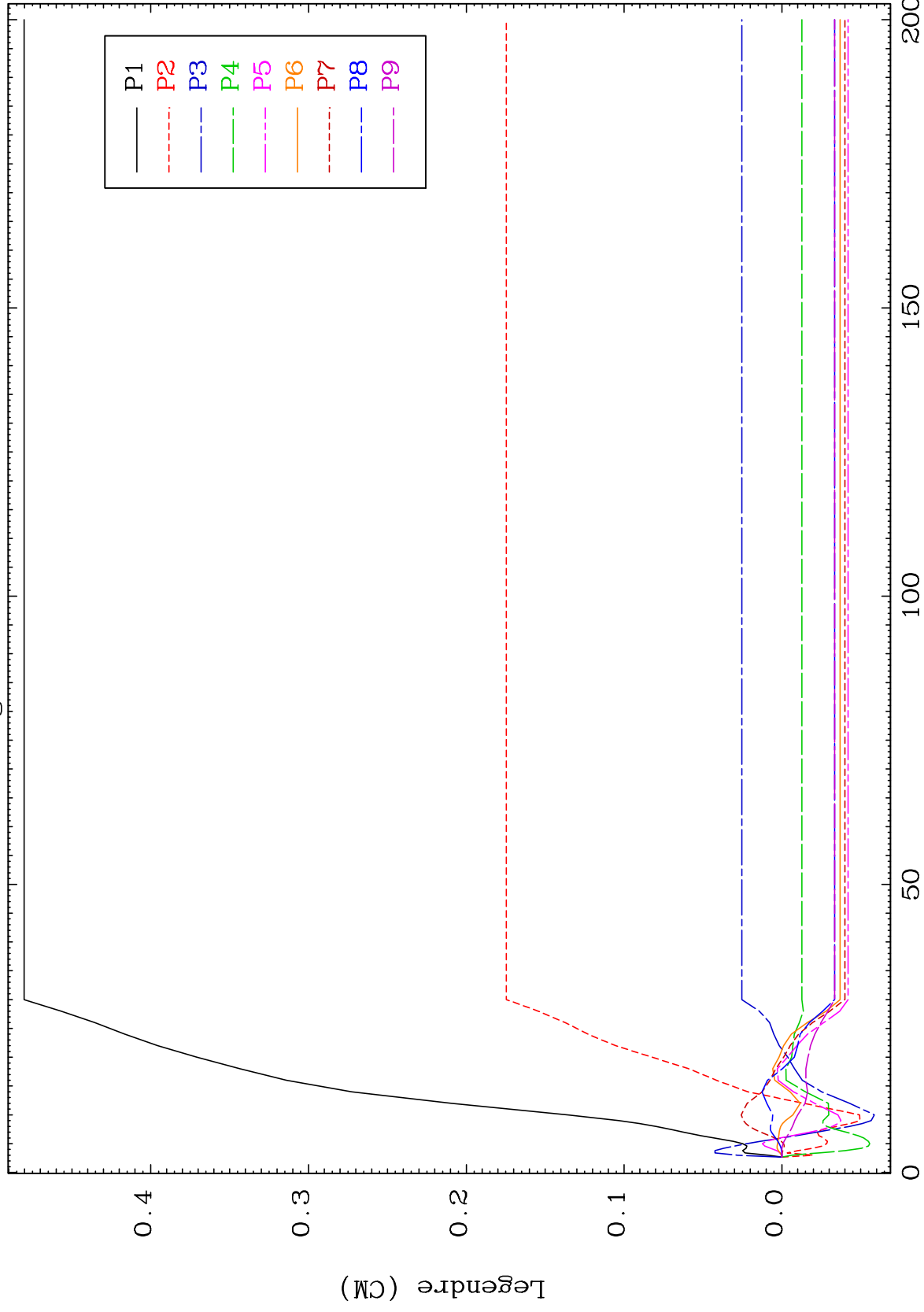
81-Tl-185



MAT 8071

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

81-T1-185



91

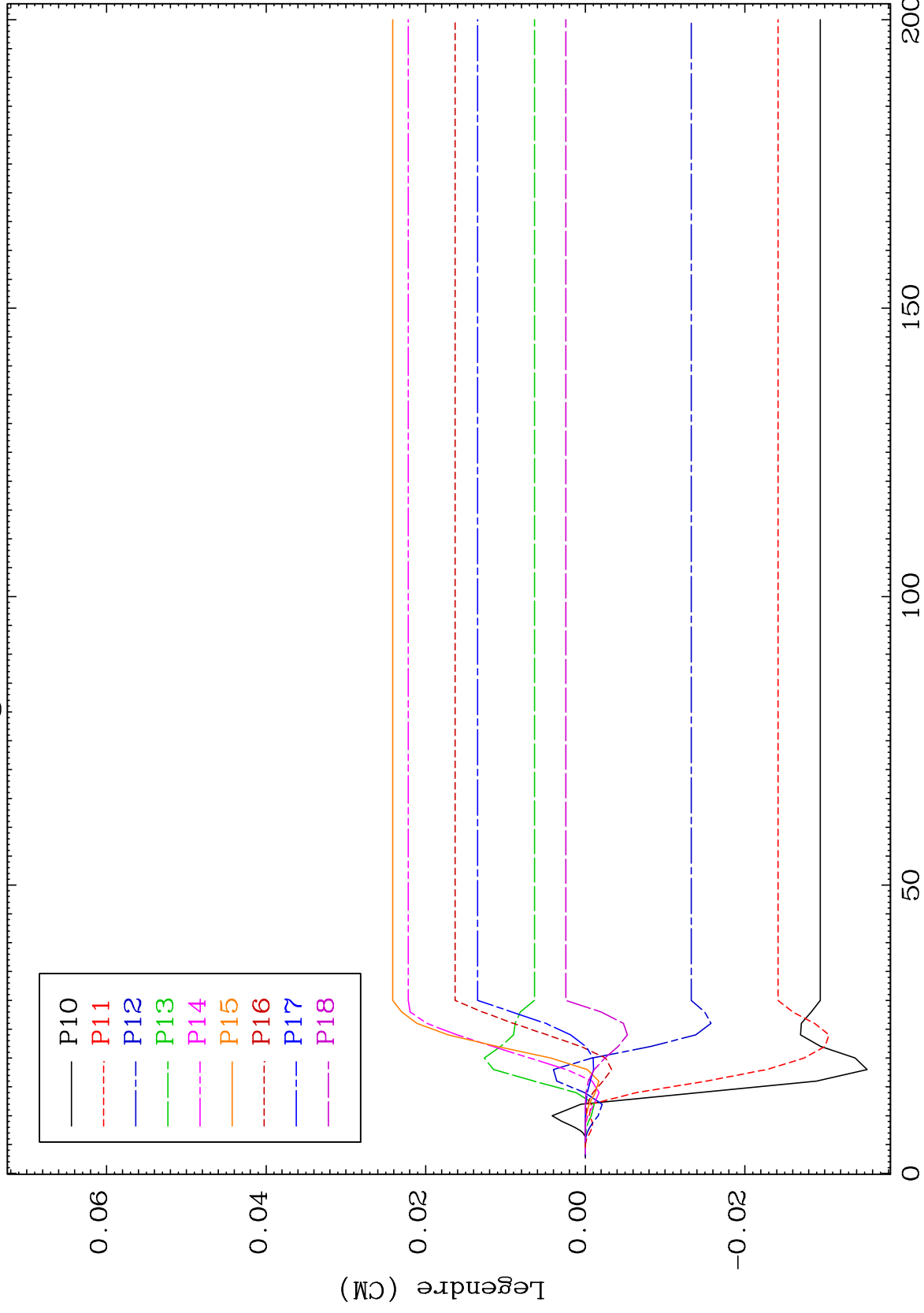
Incident Energy (MeV)

81-T1-185

MAT 8071

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

81-T1-185



92

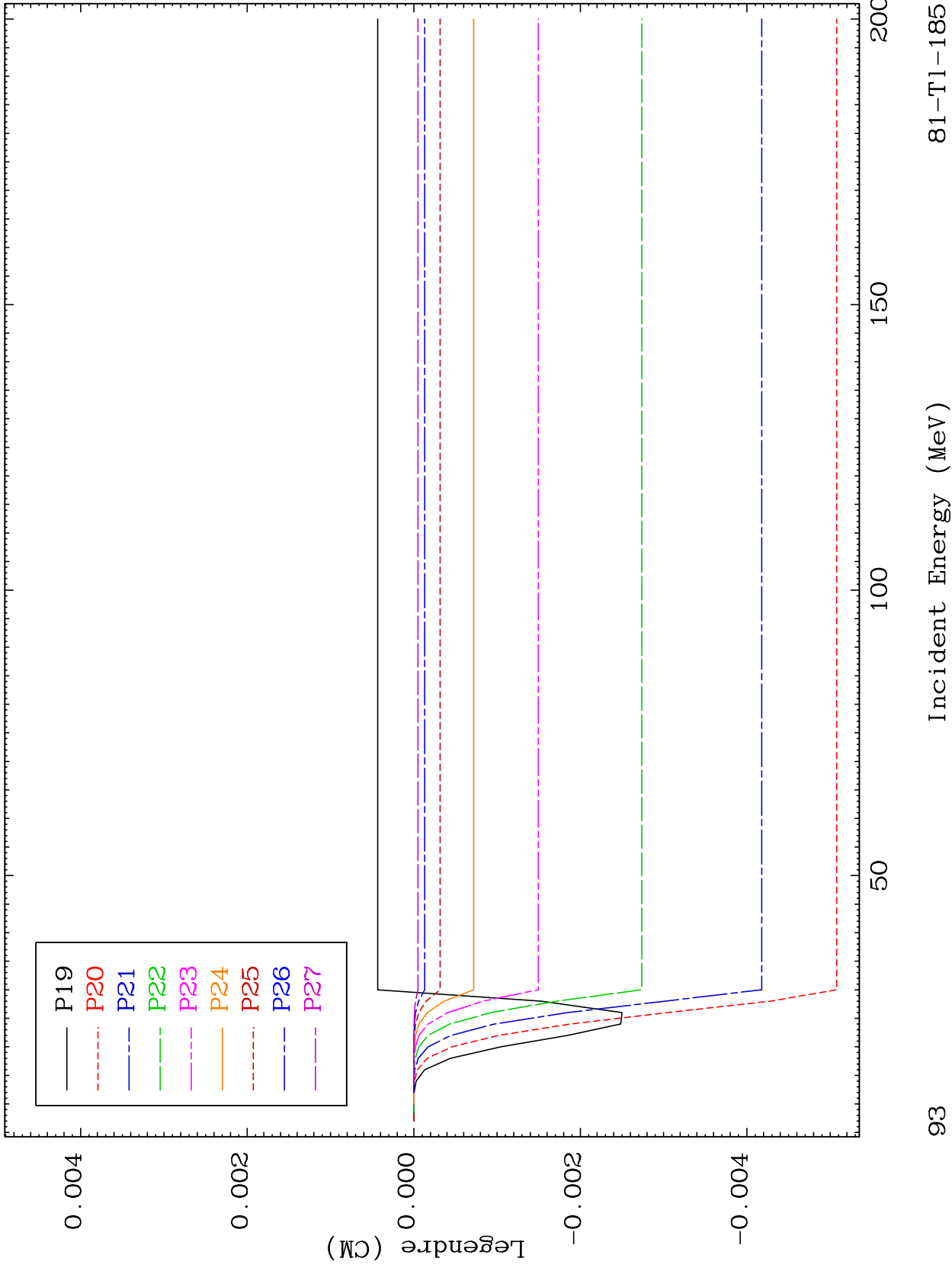
Incident Energy (MeV)

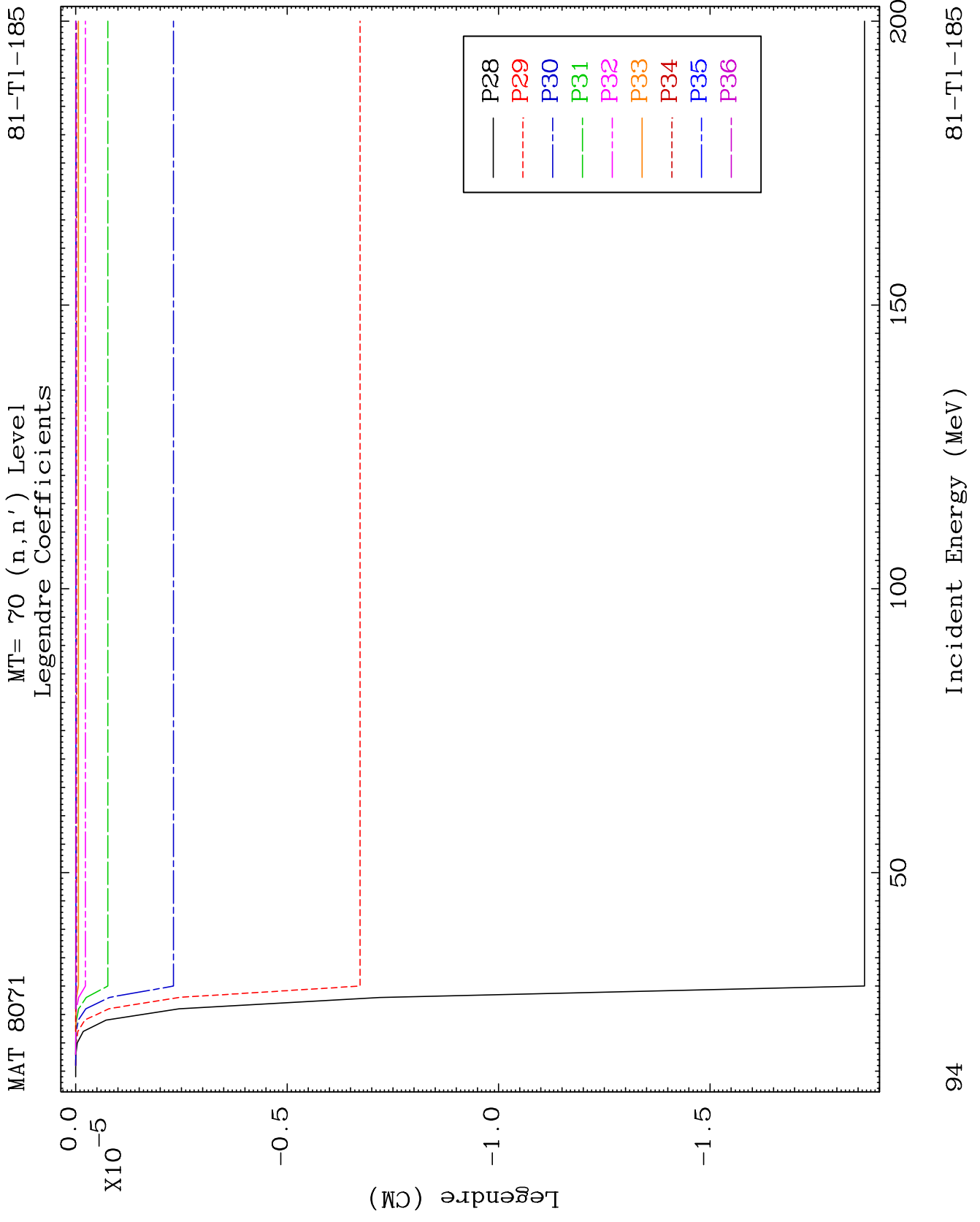
81-T1-185

MAT 8071

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

81-Tl-185

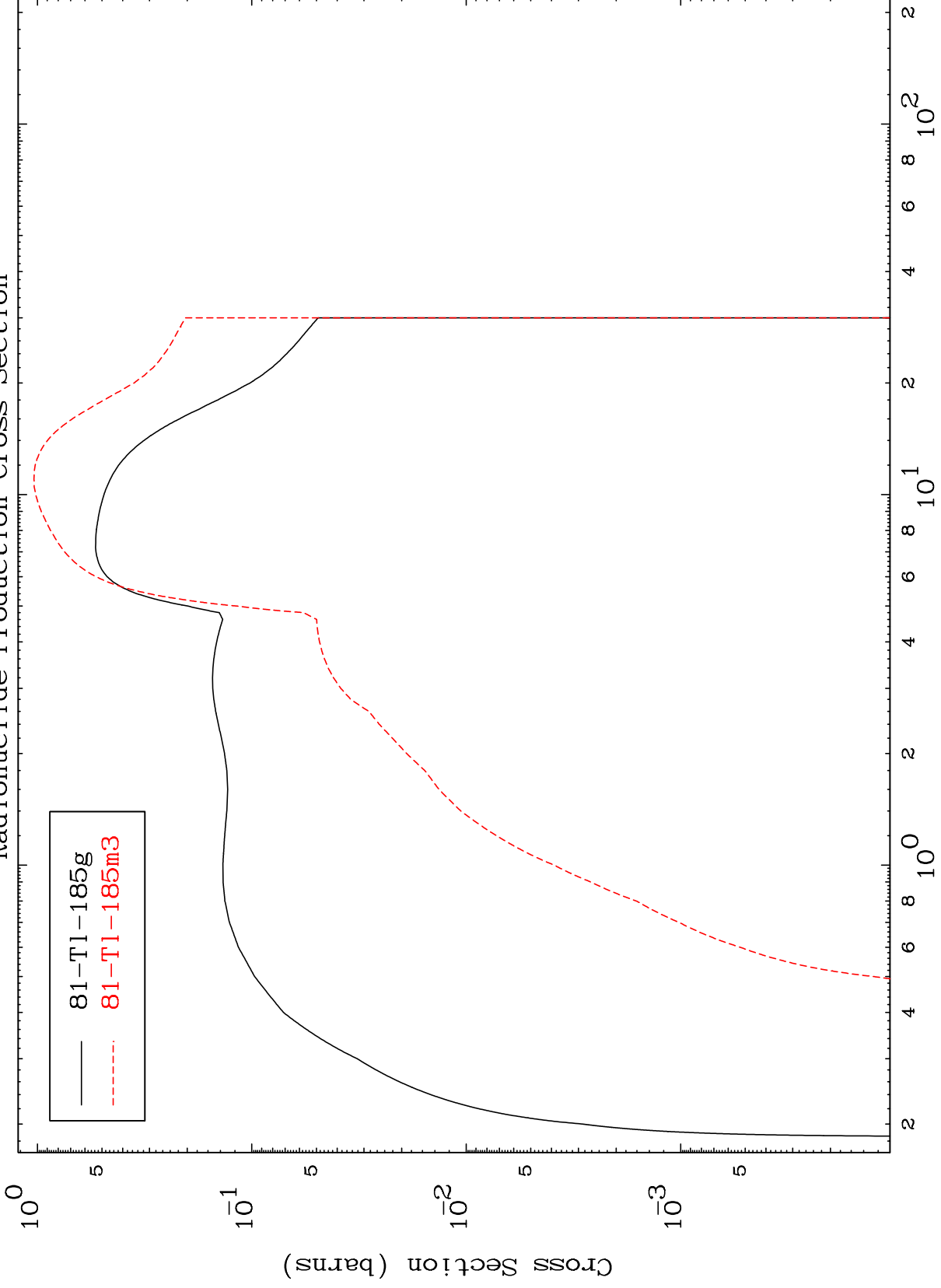




MAT 8071

81-Tl-185

Inelastic
Radionuclide Production Cross Section



81-Tl-185g
81-Tl-185m3

95

Incident Energy (MeV)

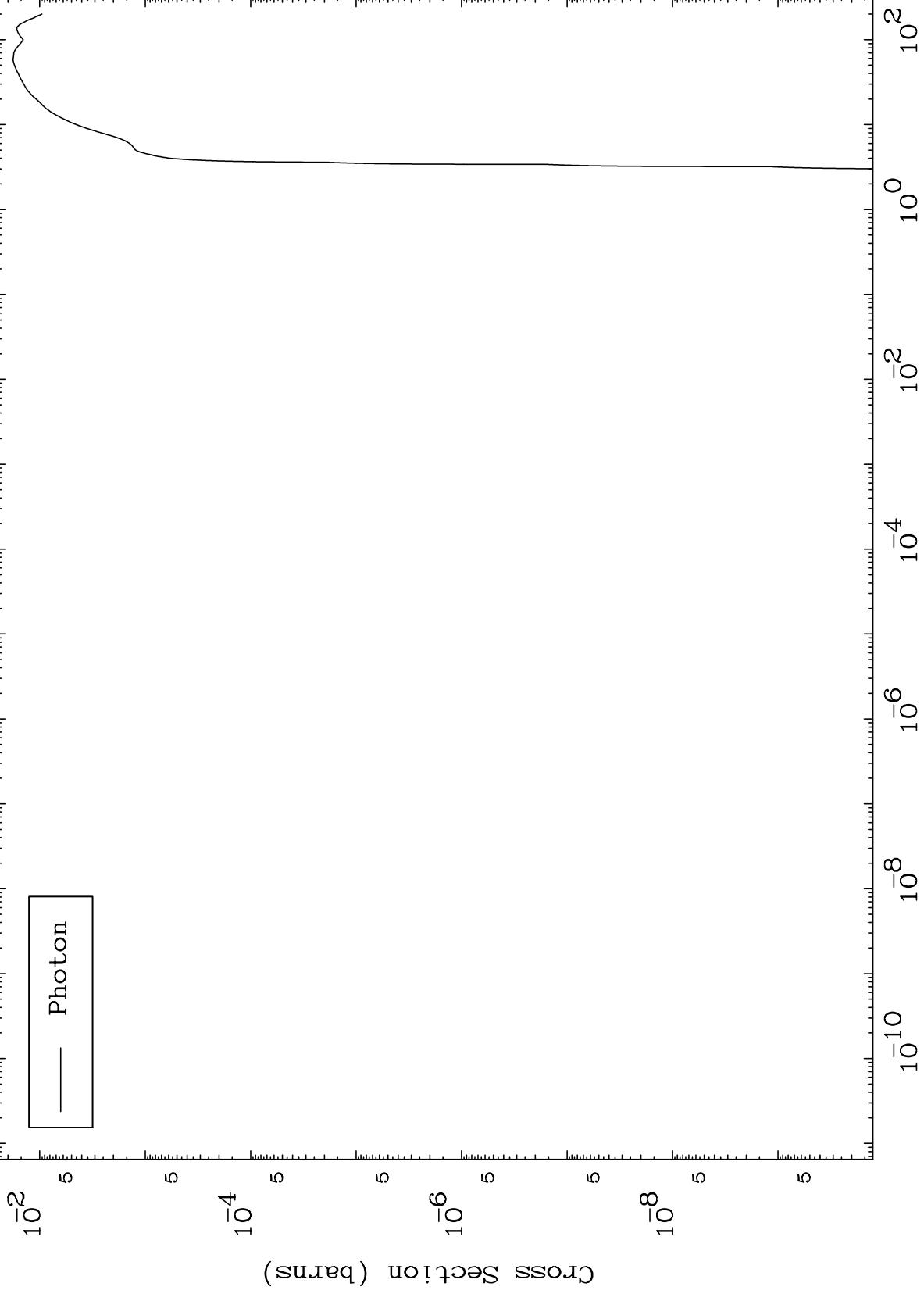
81-Tl-185

MAT 8071

Fission

81-Tl-185

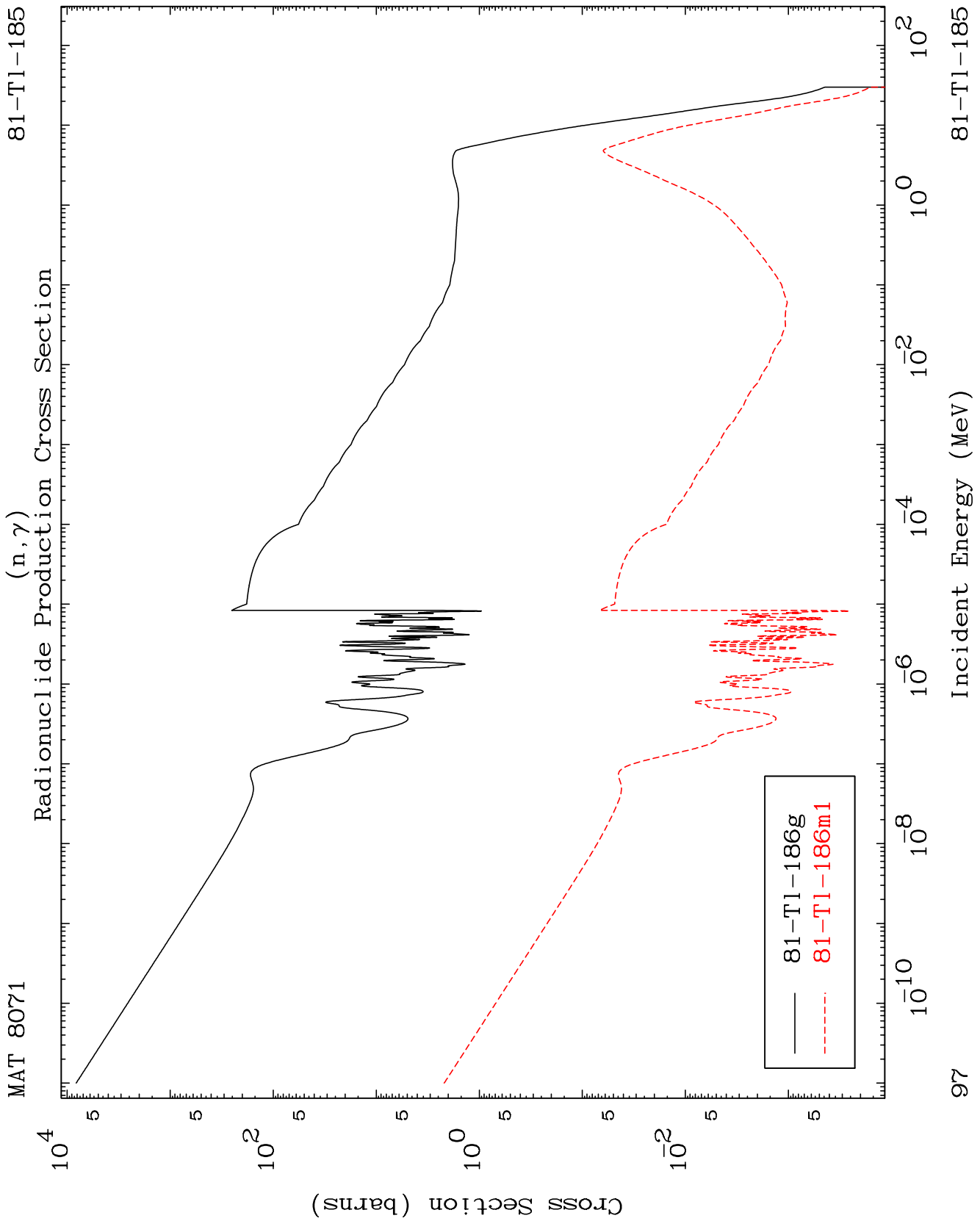
Radionuclide Production Cross Section



96

Incident Energy (MeV)

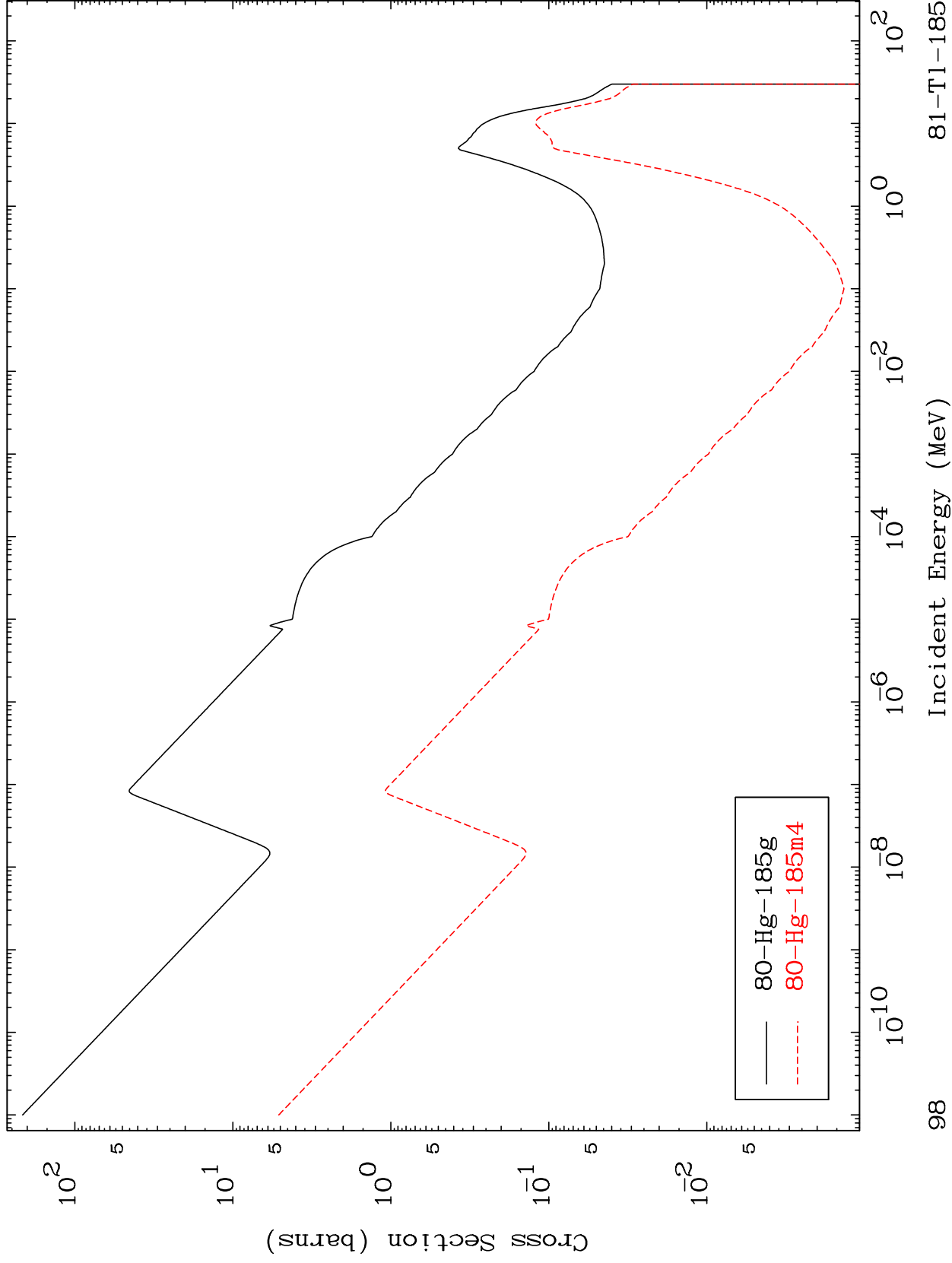
81-Tl-185



MAT 8071

81-Tl-185

Radionuclide Production Cross Section



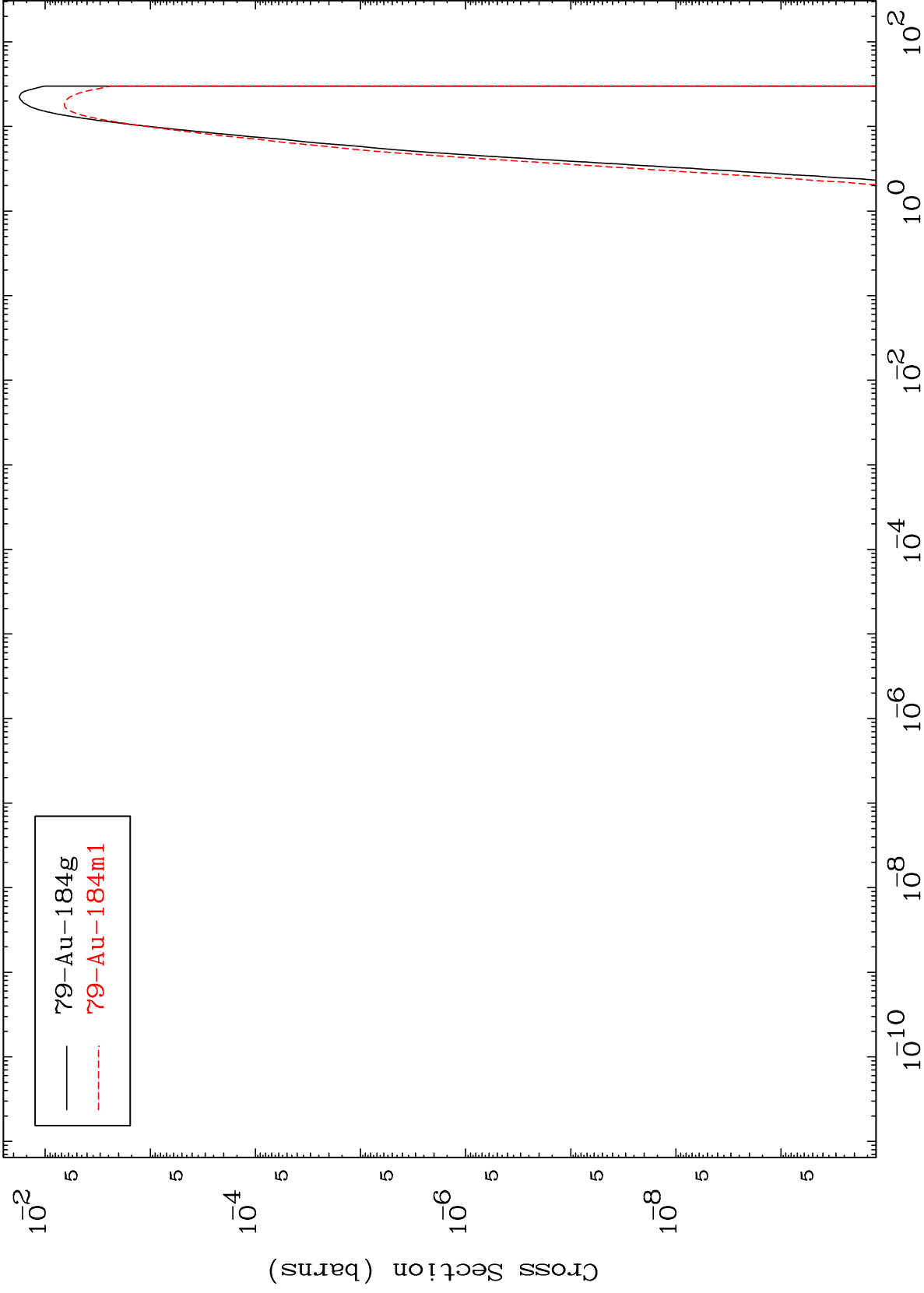
98

81-Tl-185

MAT 8071

81-Tl-185

(n,2p)
Radionuclide Production Cross Section



99

81-Tl-185