

Program EVALPLOT
(Version 2017-1)

by

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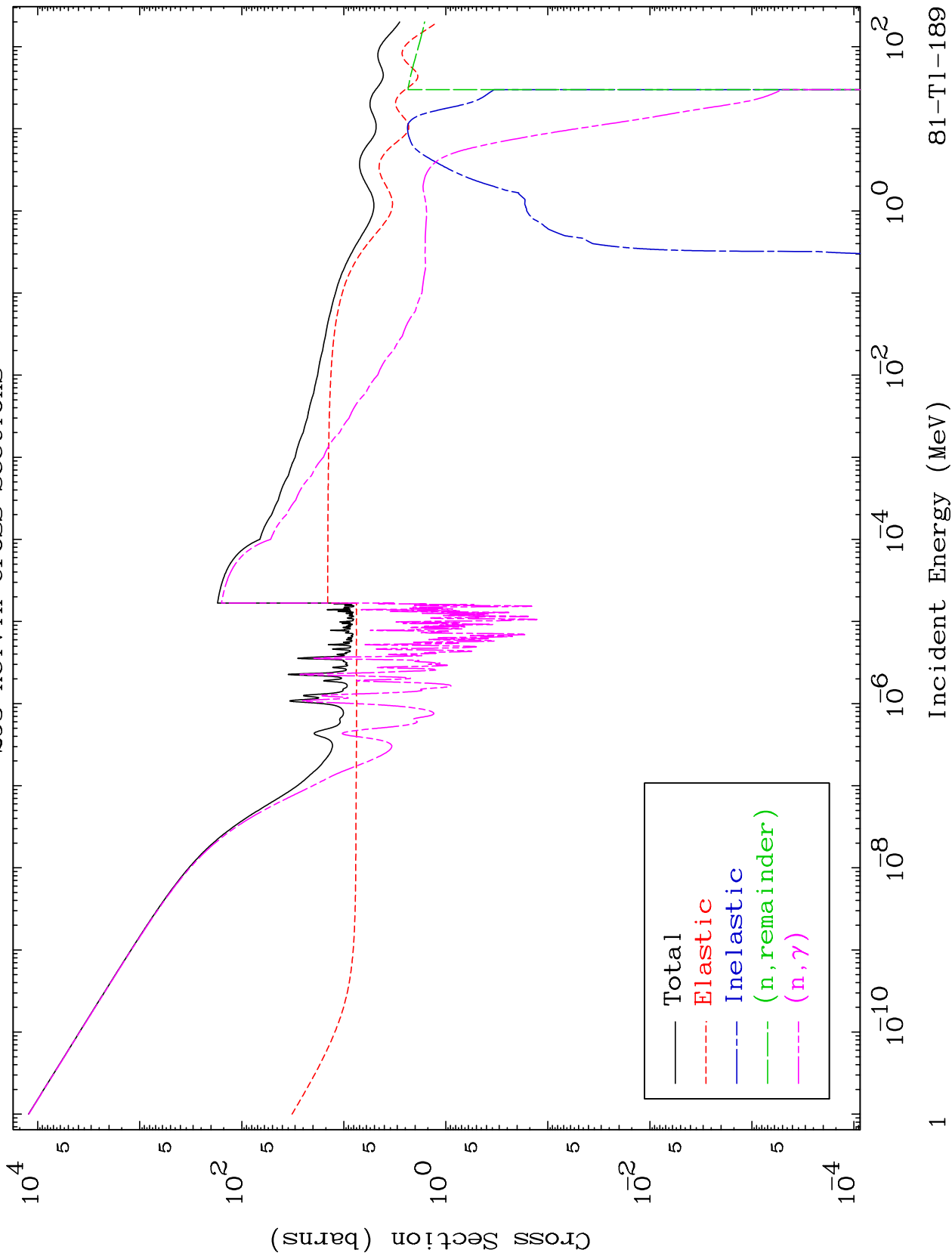
Press Mouse Button to Start

MAT 8083

Major

293 Kelvin Cross Sections

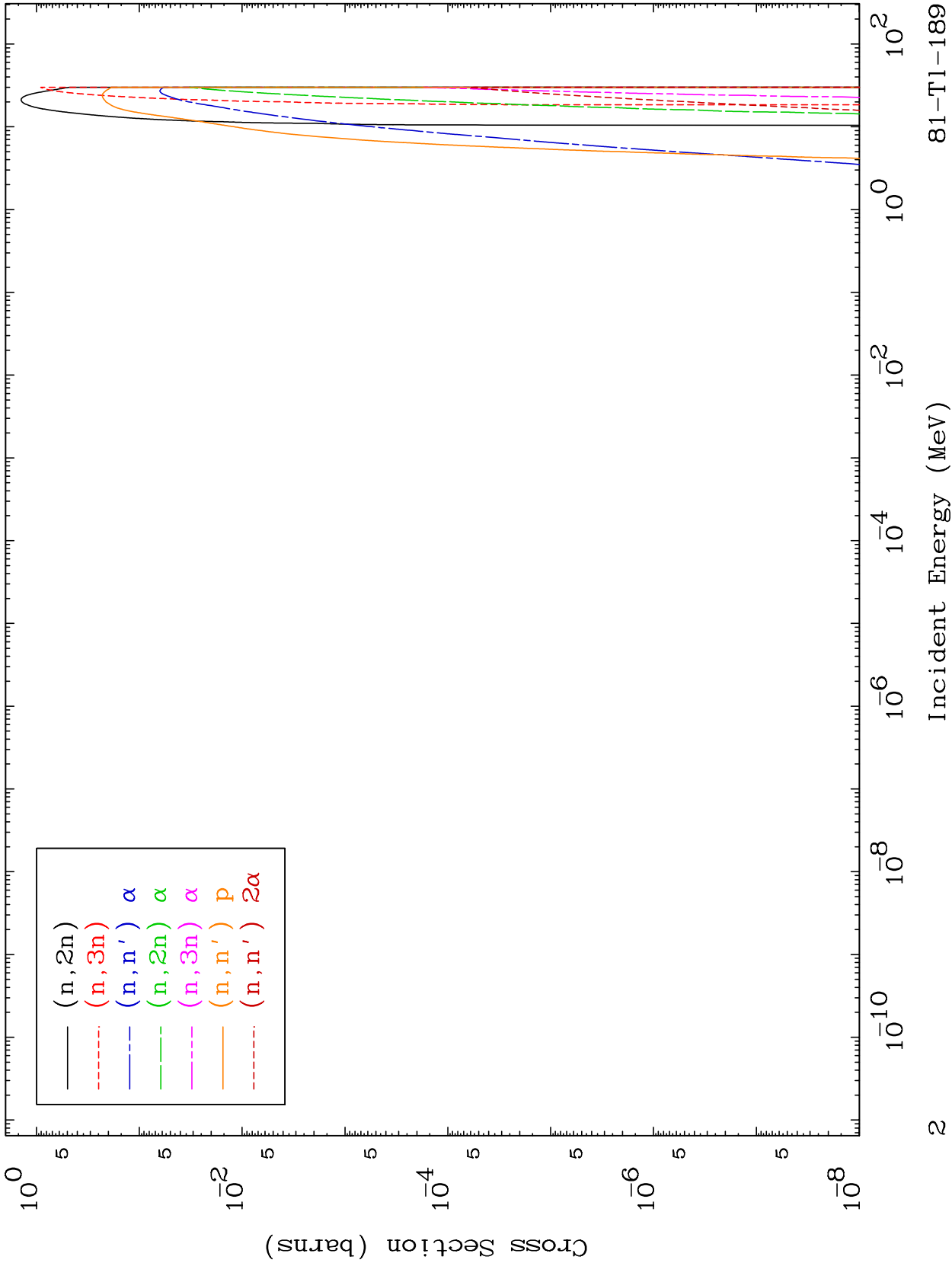
81-Tl-189



MAT 8083

Neutron Production
293 Kelvin Cross Sections

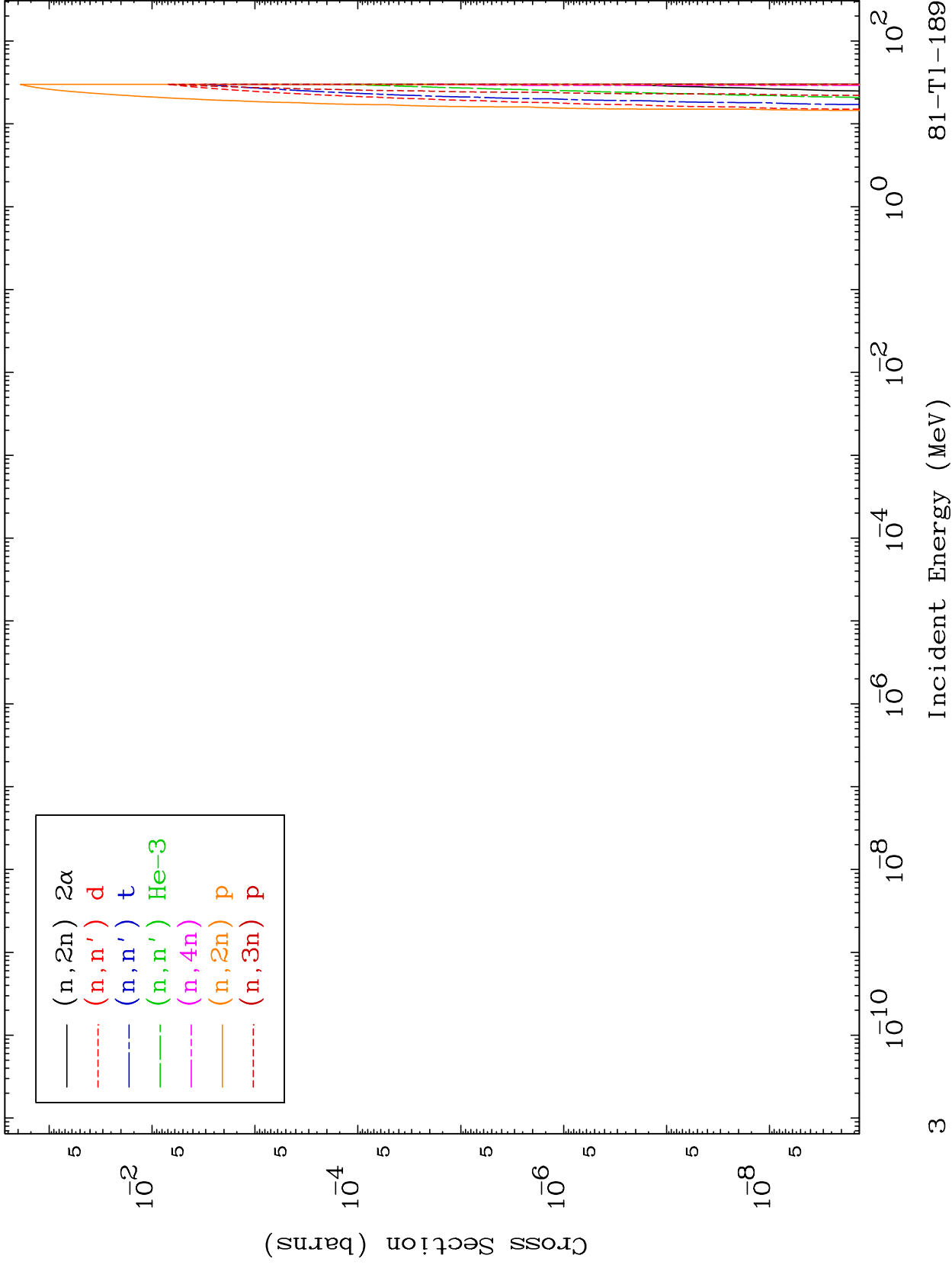
81-Tl-189



MAT 8083

Neutron Production
293 Kelvin Cross Sections

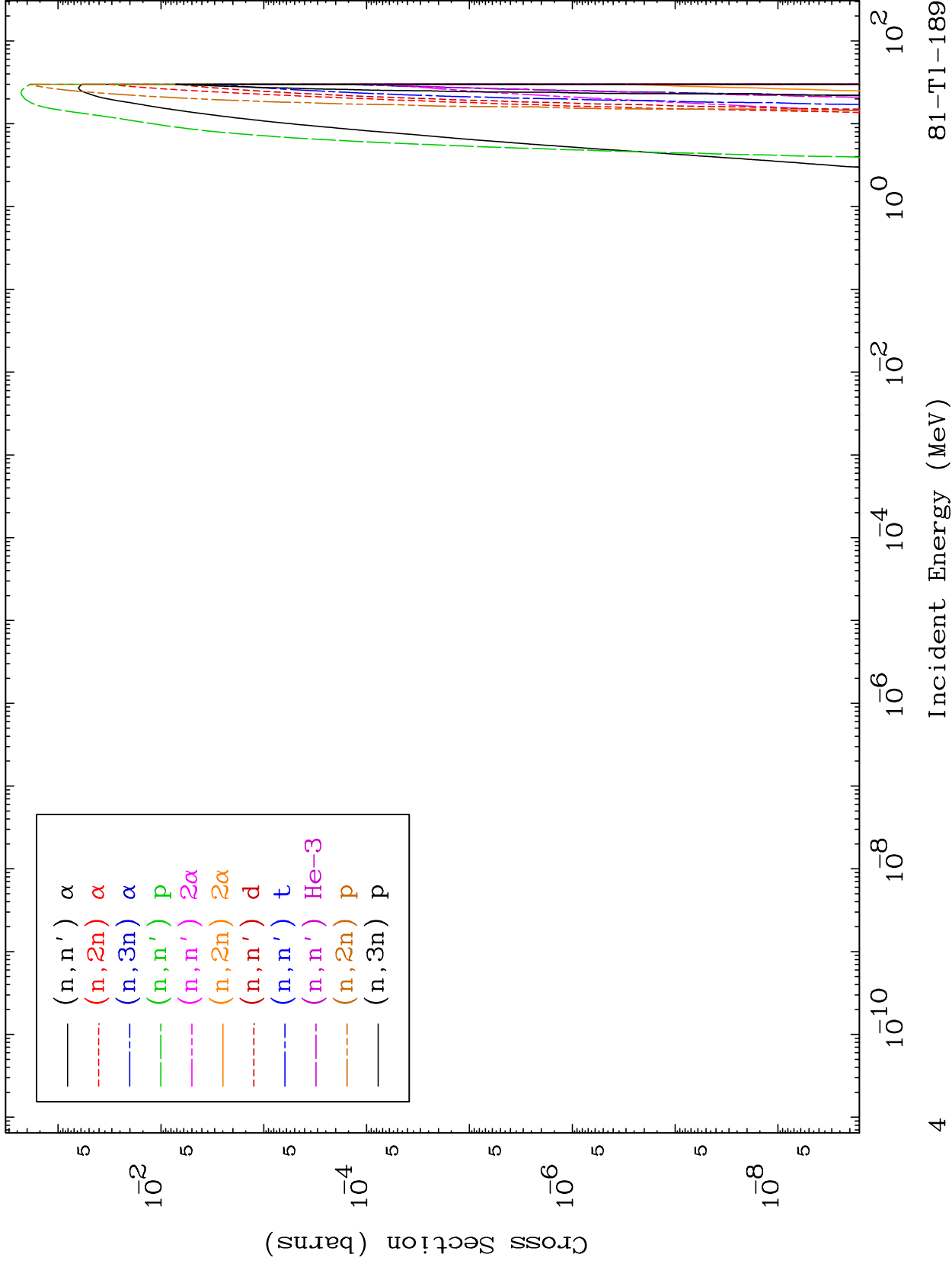
81-Tl-189



MAT 8083

Charged Particle
293 Kelvin Cross Sections

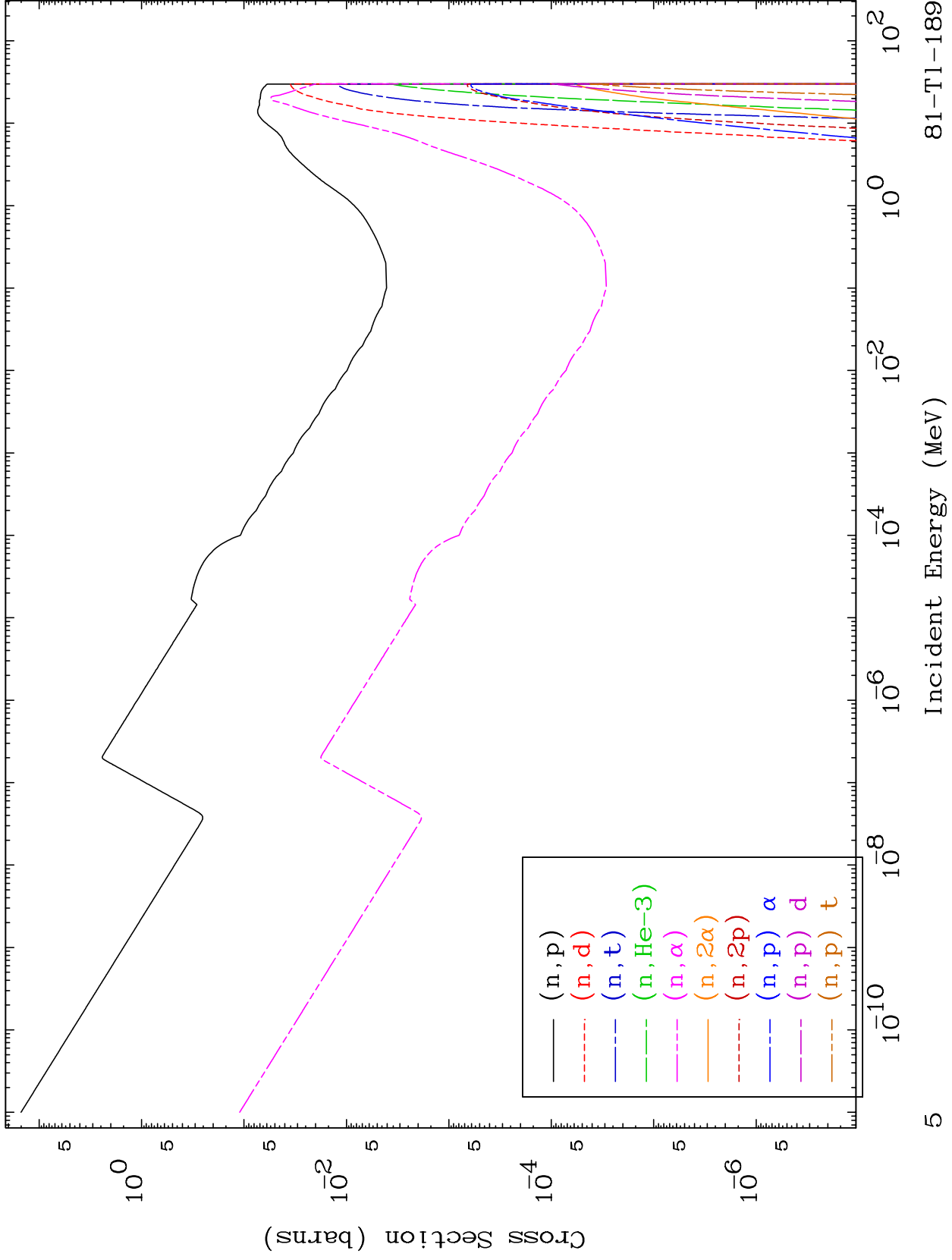
81-Tl-189

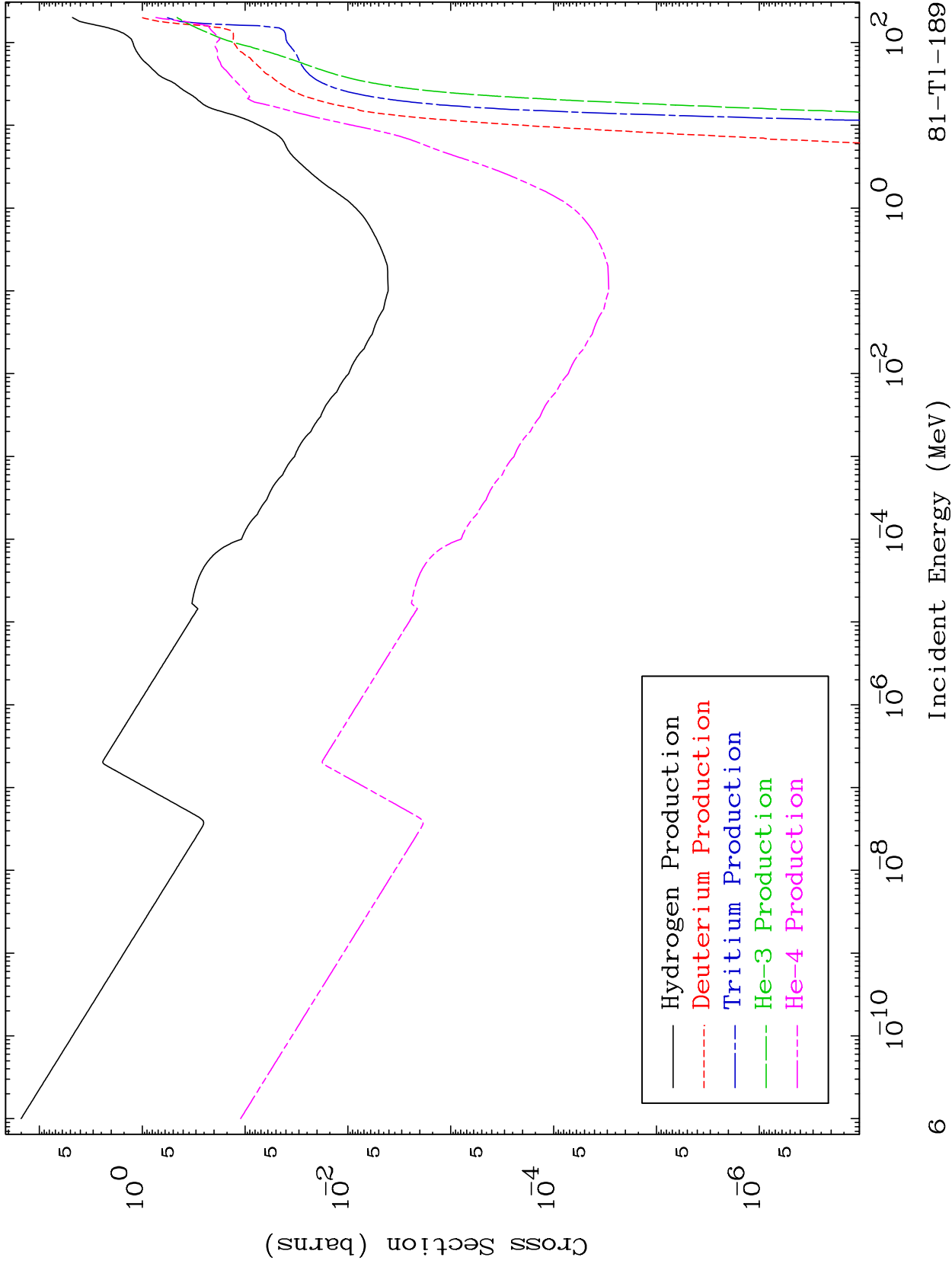


MAT 8083

Charged Particle
293 Kelvin Cross Sections

81-Tl-189

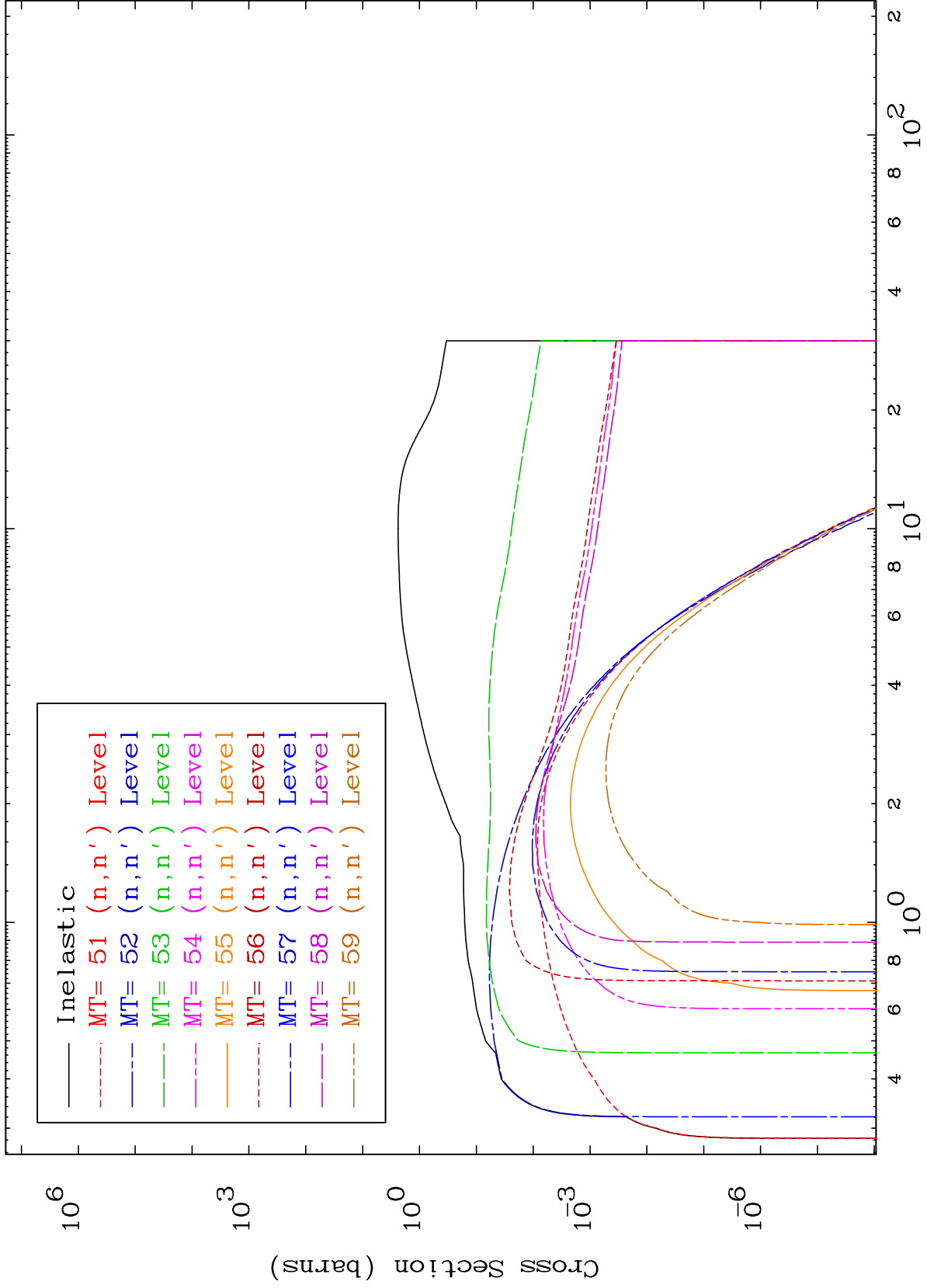




MAT 8083

(n,n') Level
293 Kelvin Cross Sections

81-T1-189

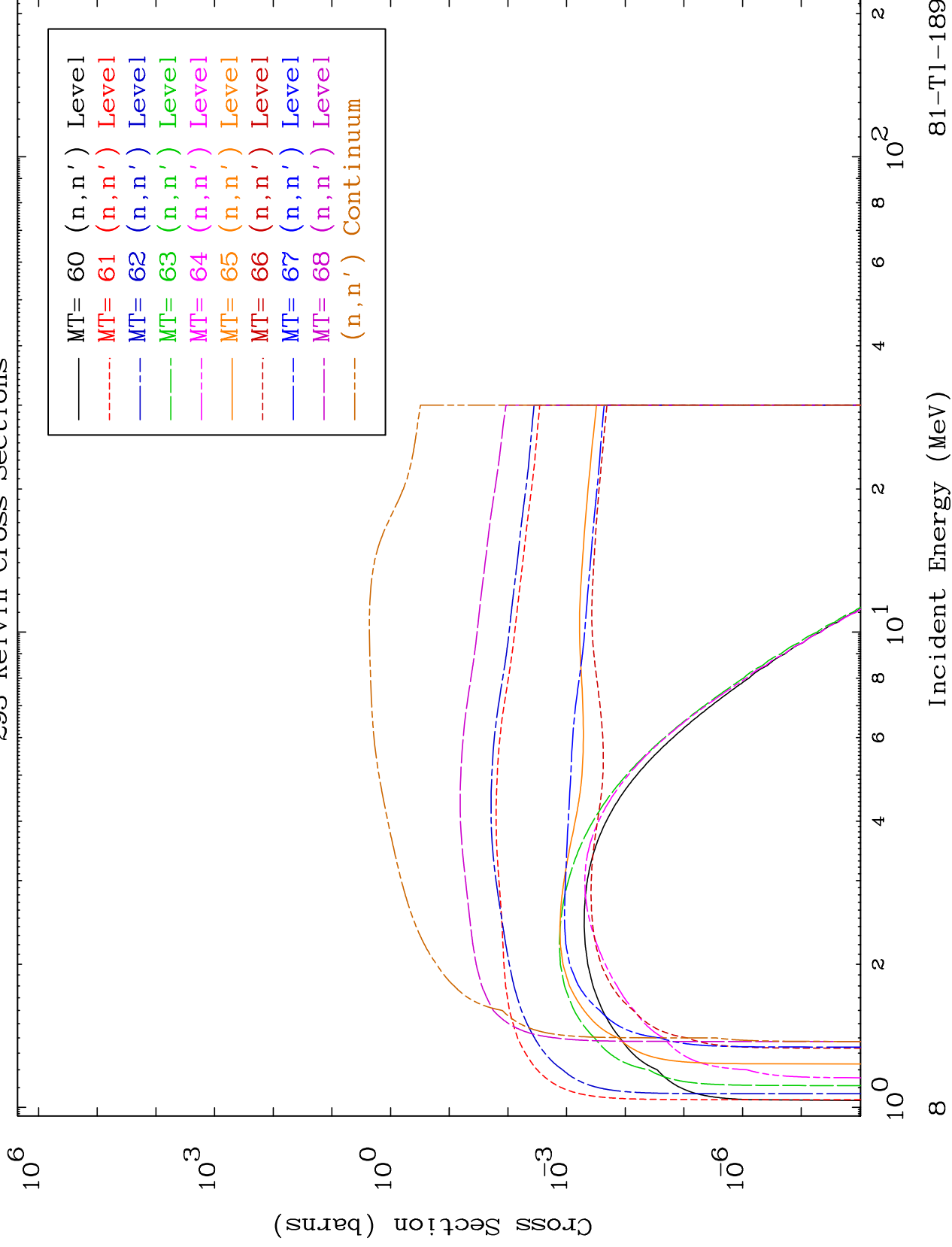


MAT 8083

(n,n') Level

81-Tl-189

293 Kelvin Cross Sections



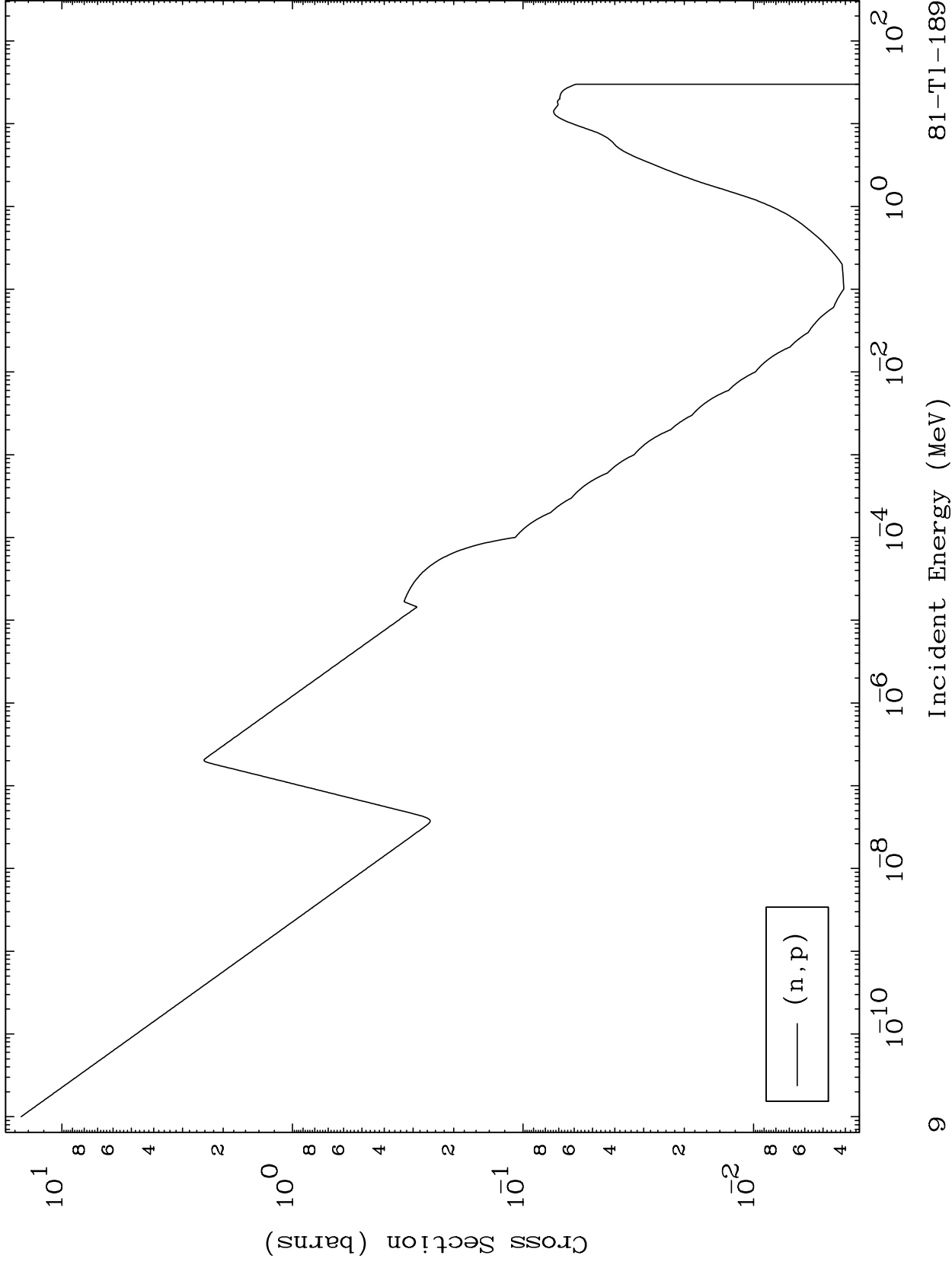
Incident Energy (MeV)

81-Tl-189

MAT 8083

(n,p) Levels
293 Kelvin Cross Sections

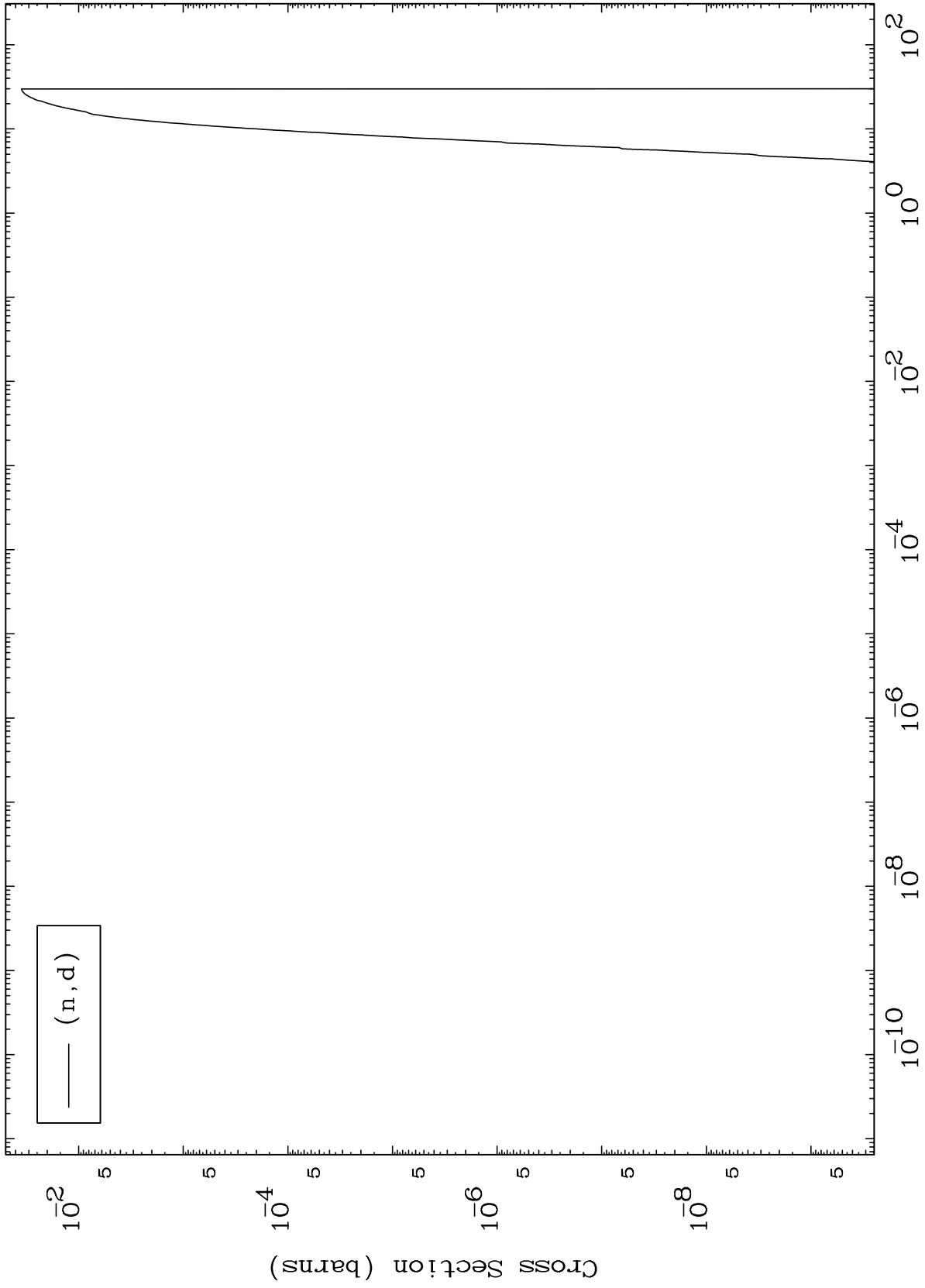
81-Tl-189



MAT 8083

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-189



10

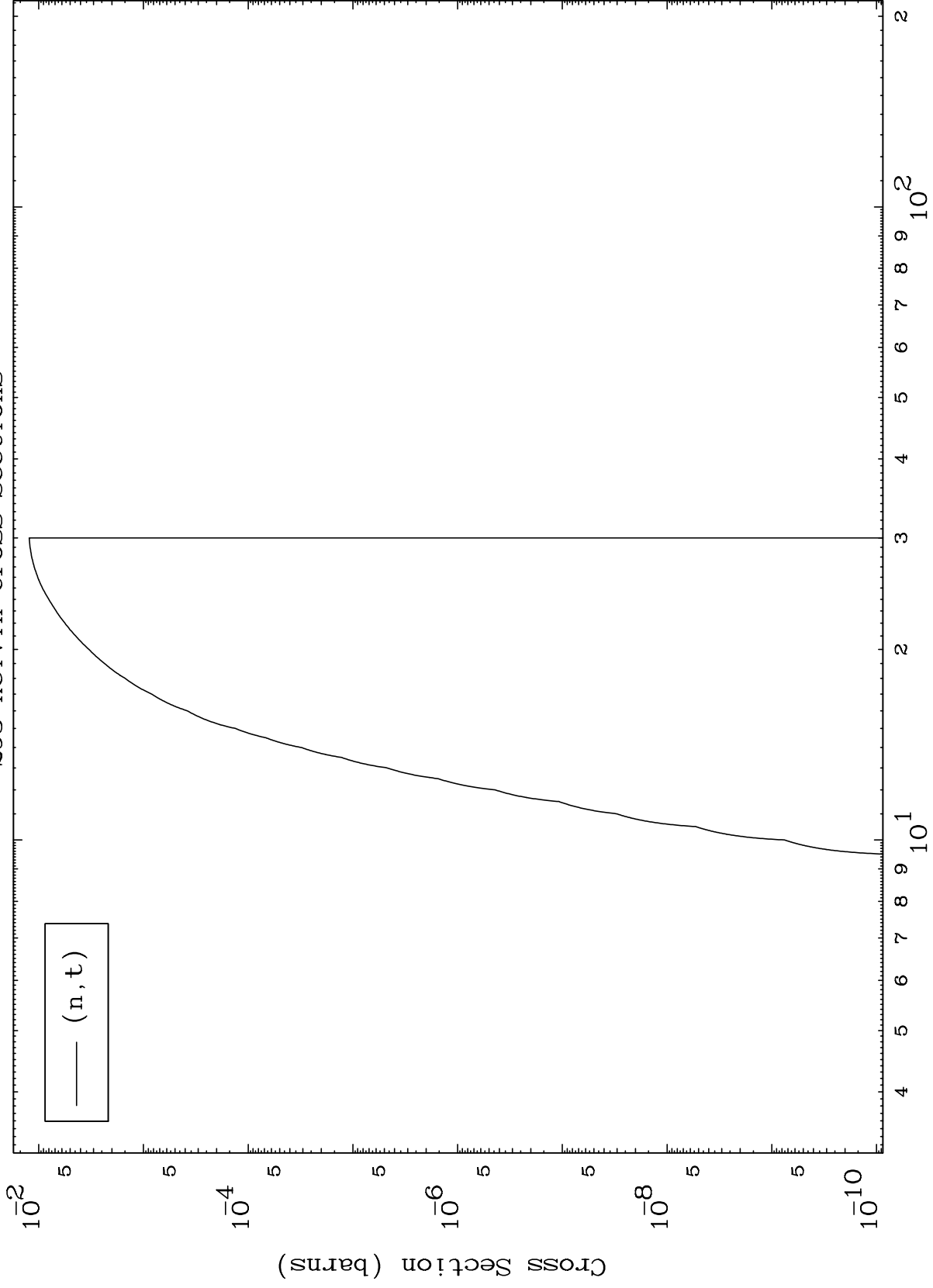
Incident Energy (MeV)

81-Tl-189

MAT 8083

(n,t) Levels
293 Kelvin Cross Sections

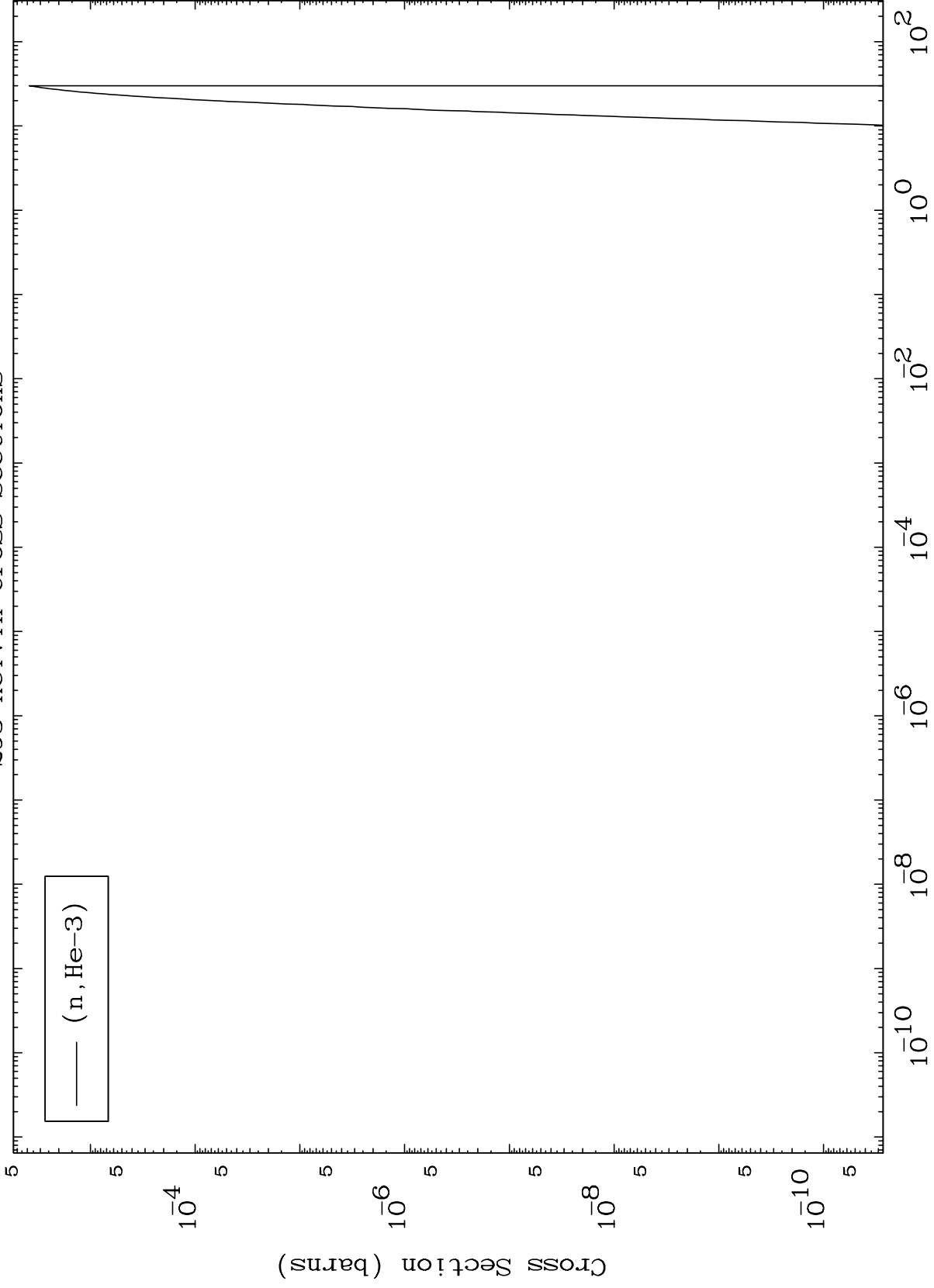
81-Tl-189



MAT 8083

(n,He3) Levels
293 Kelvin Cross Sections

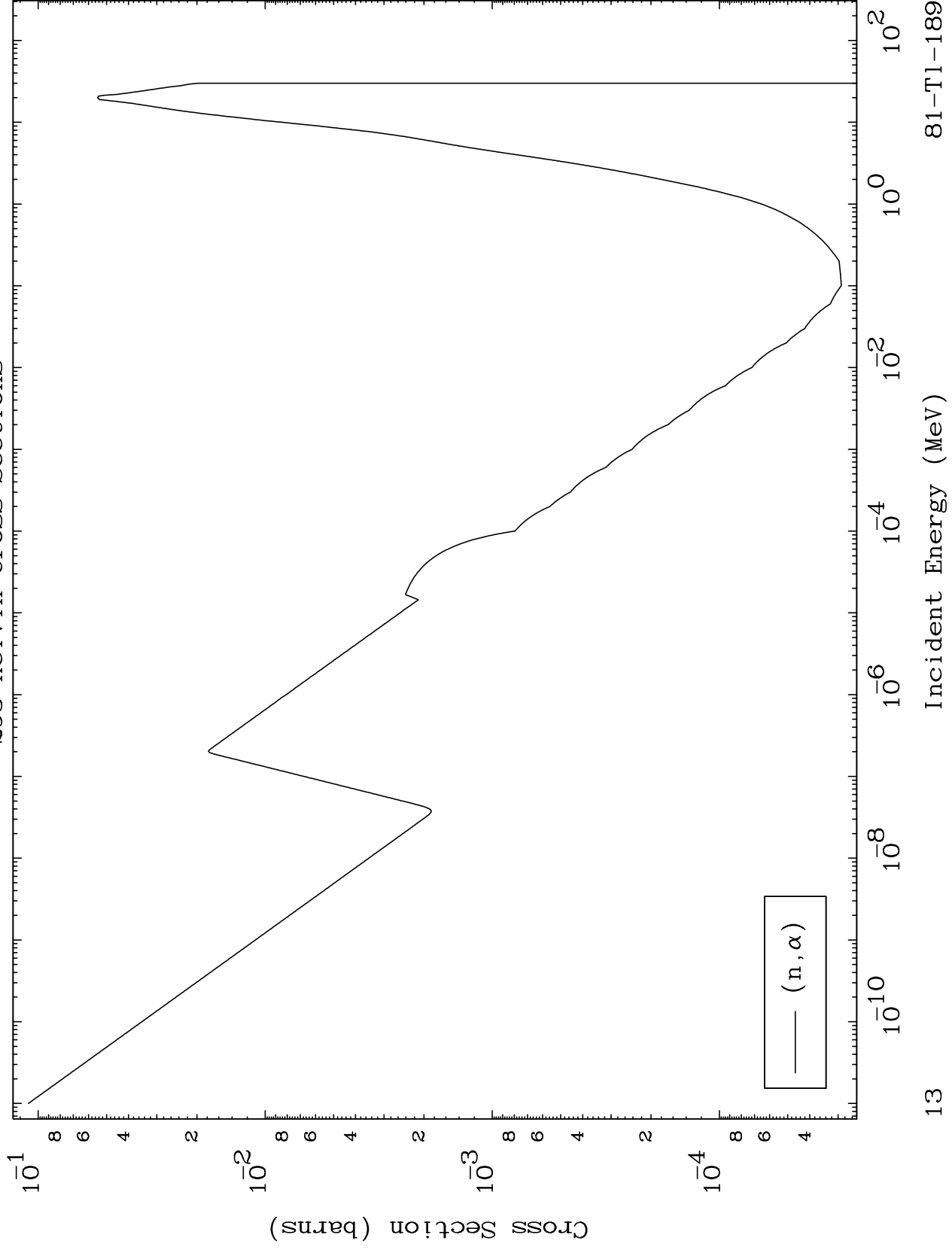
81-Tl-189

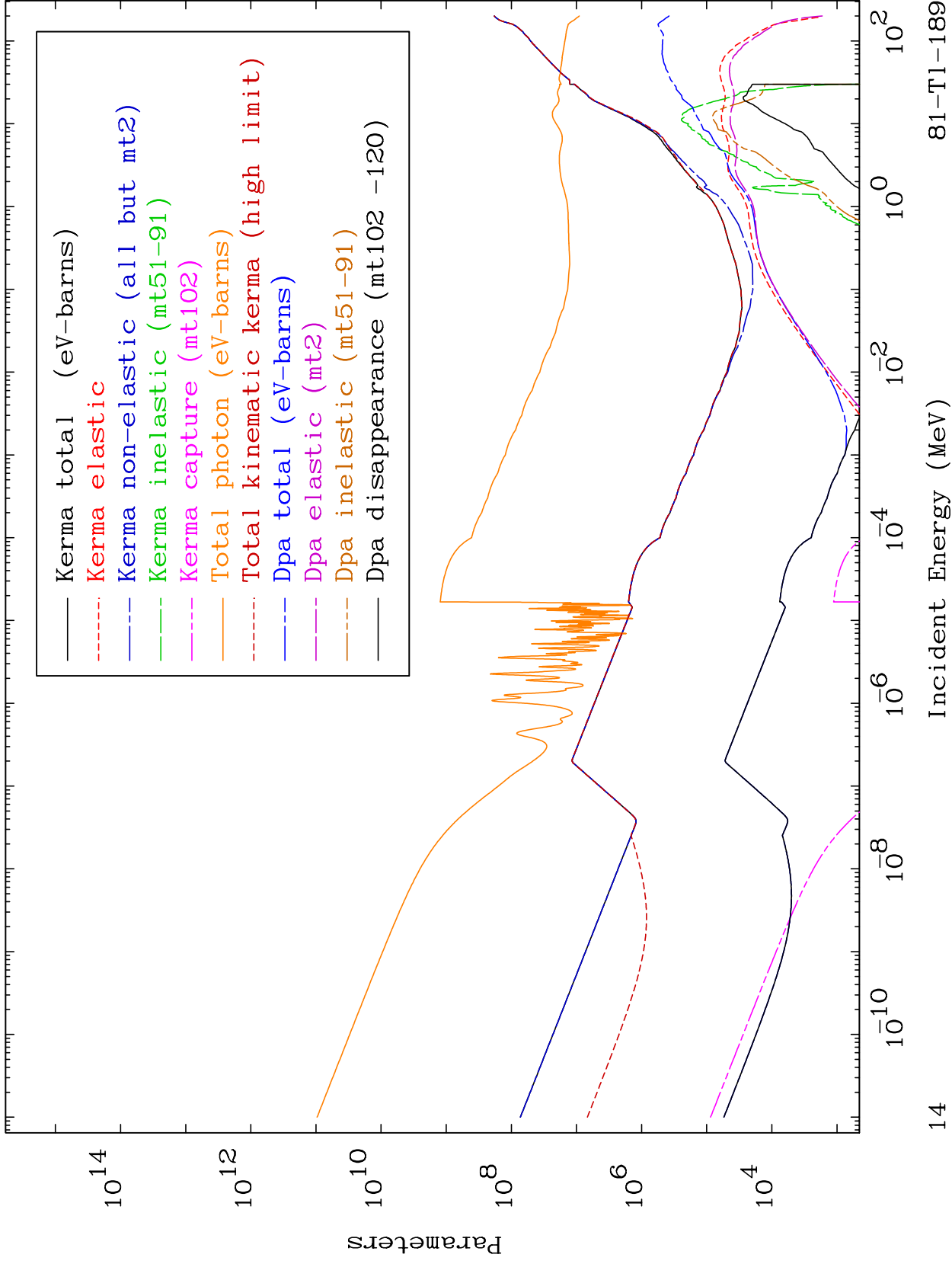


MAT 8083

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-189

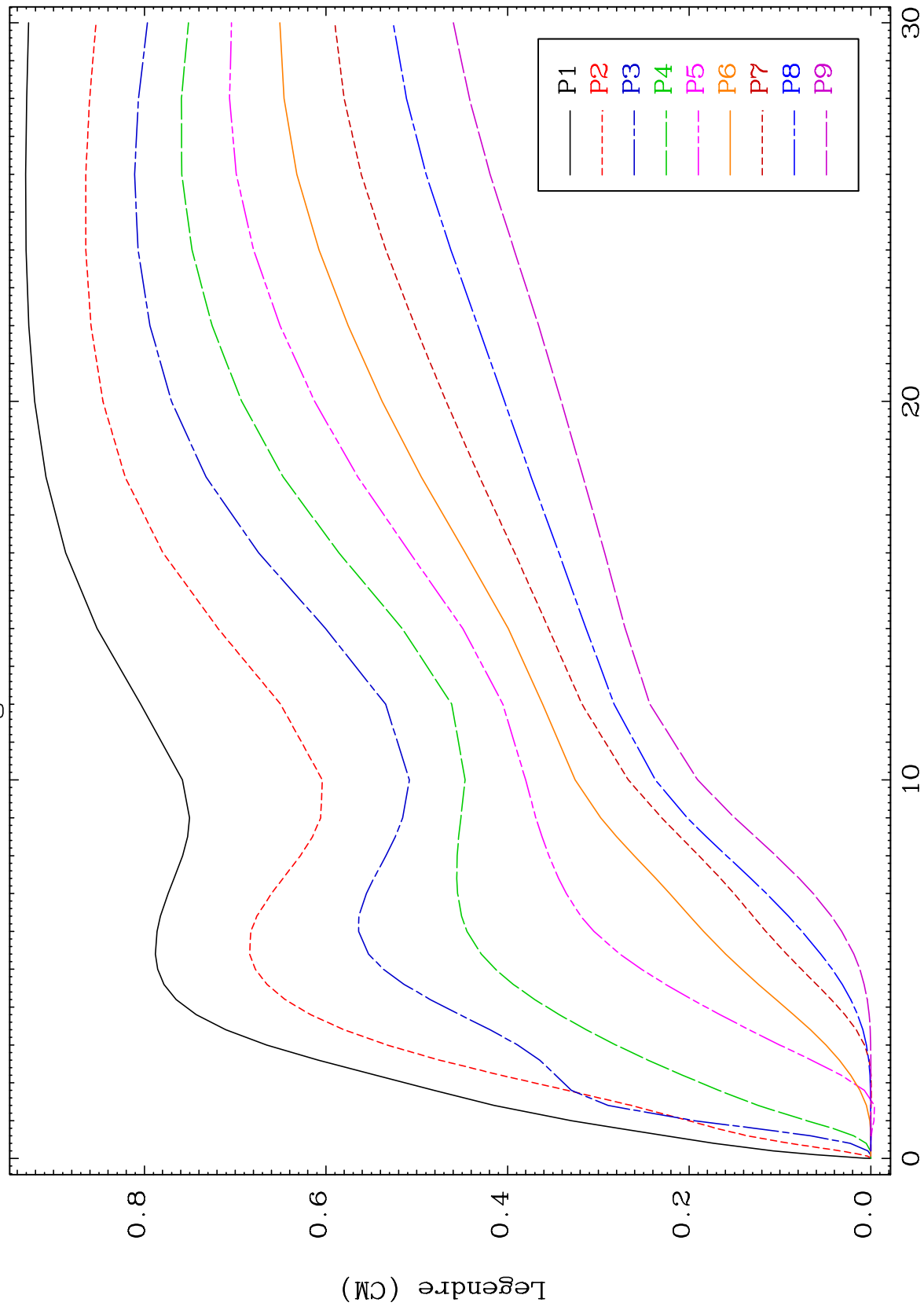




MAT 8083

Elastic Legendre Coefficients

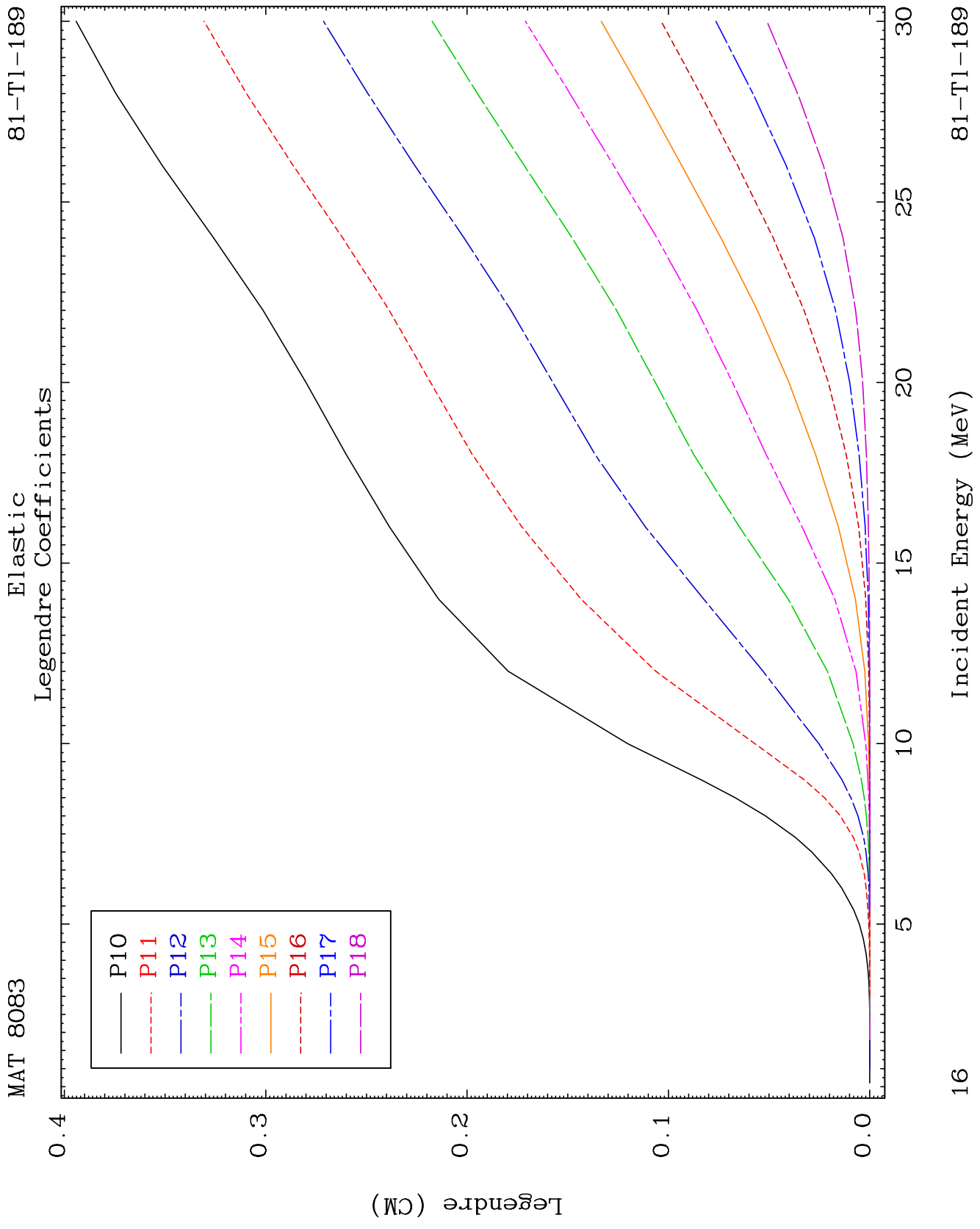
81-Tl-189



Incident Energy (MeV)

81-Tl-189

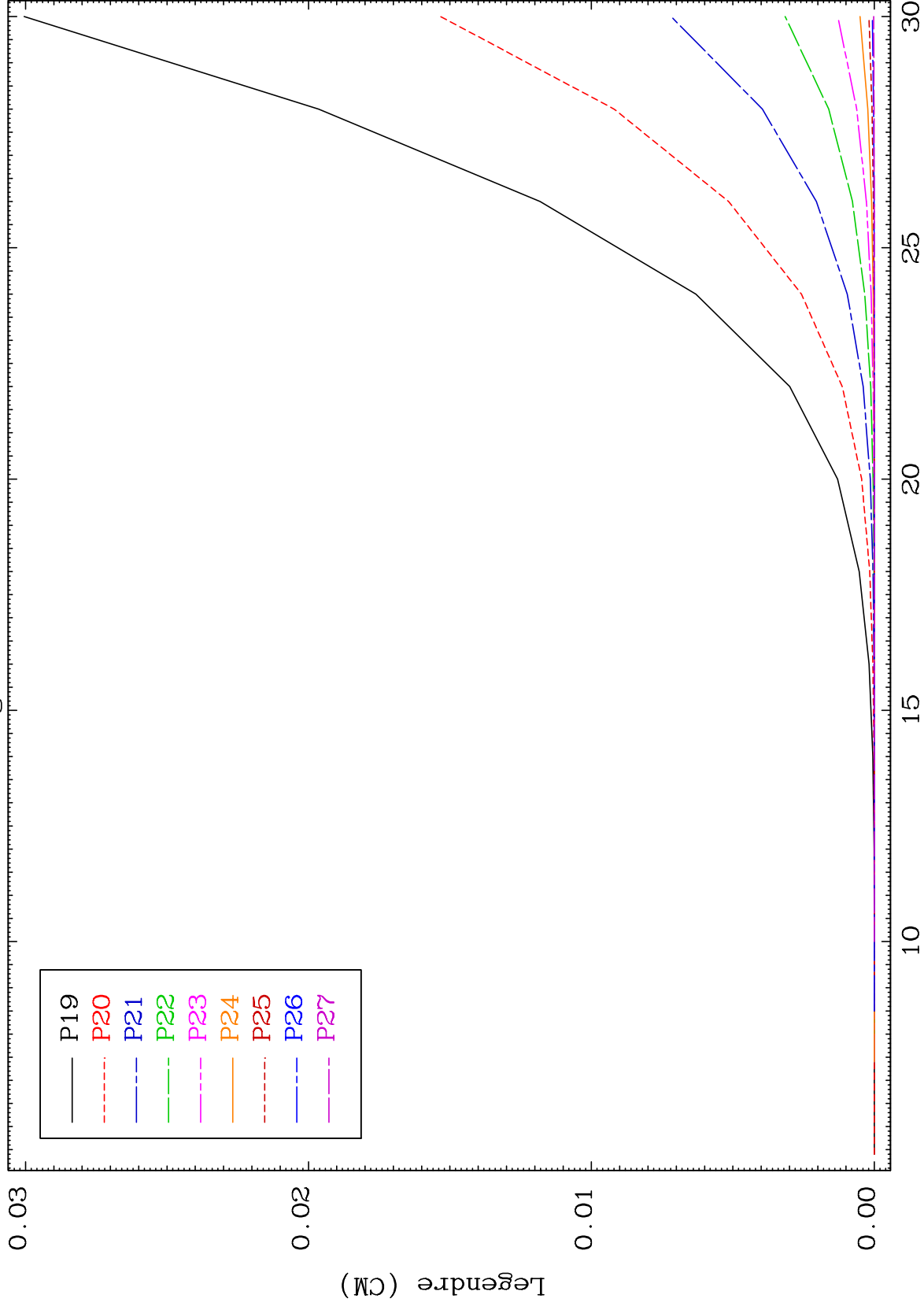
15



MAT 8083

Elastic
Legendre Coefficients

81-Tl-189



17

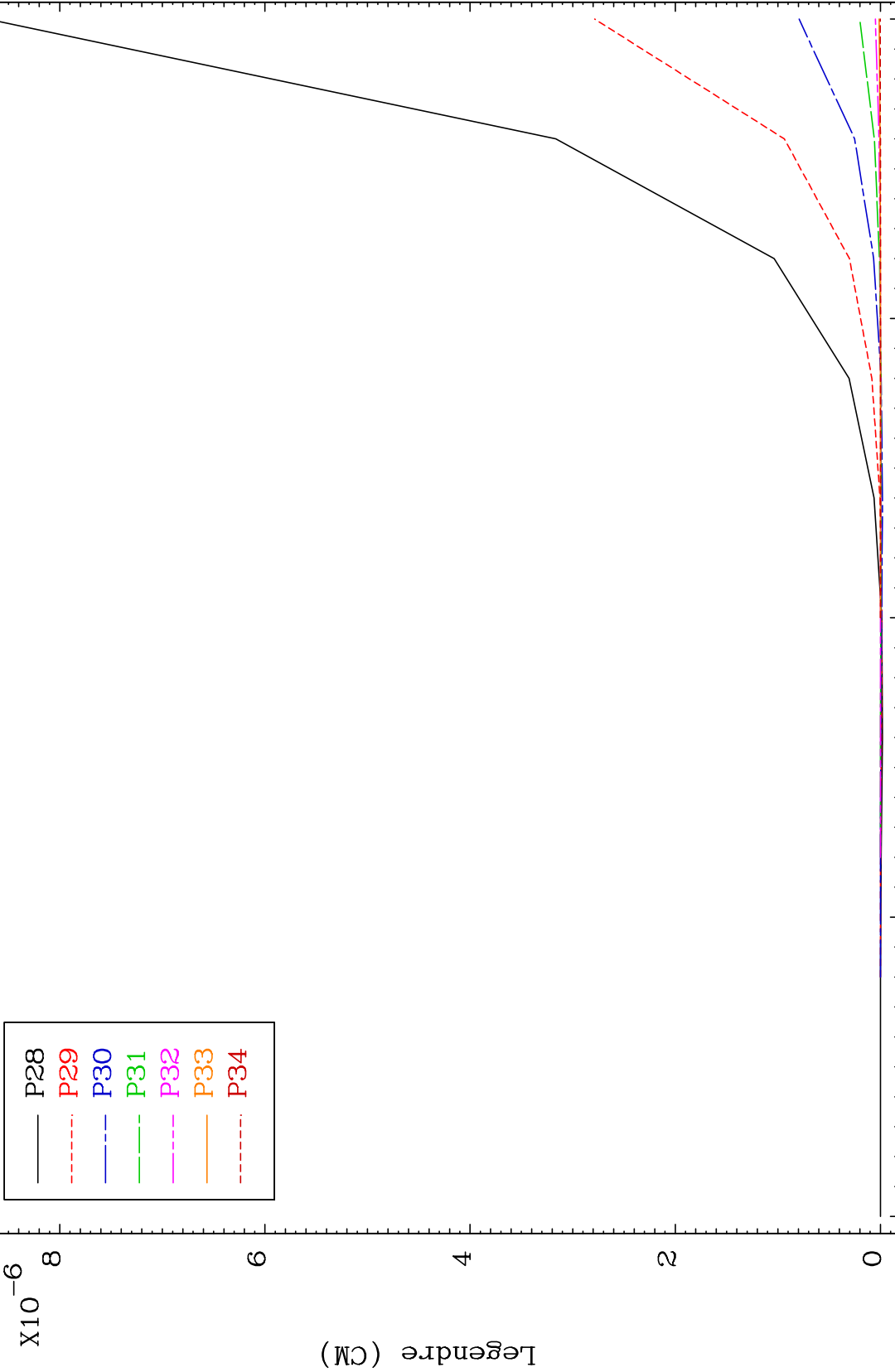
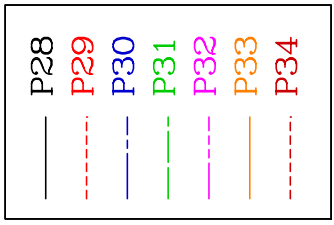
Incident Energy (MeV)

81-Tl-189

MAT 8083

Elastic Legendre Coefficients

81-Tl-189



81-Tl-189

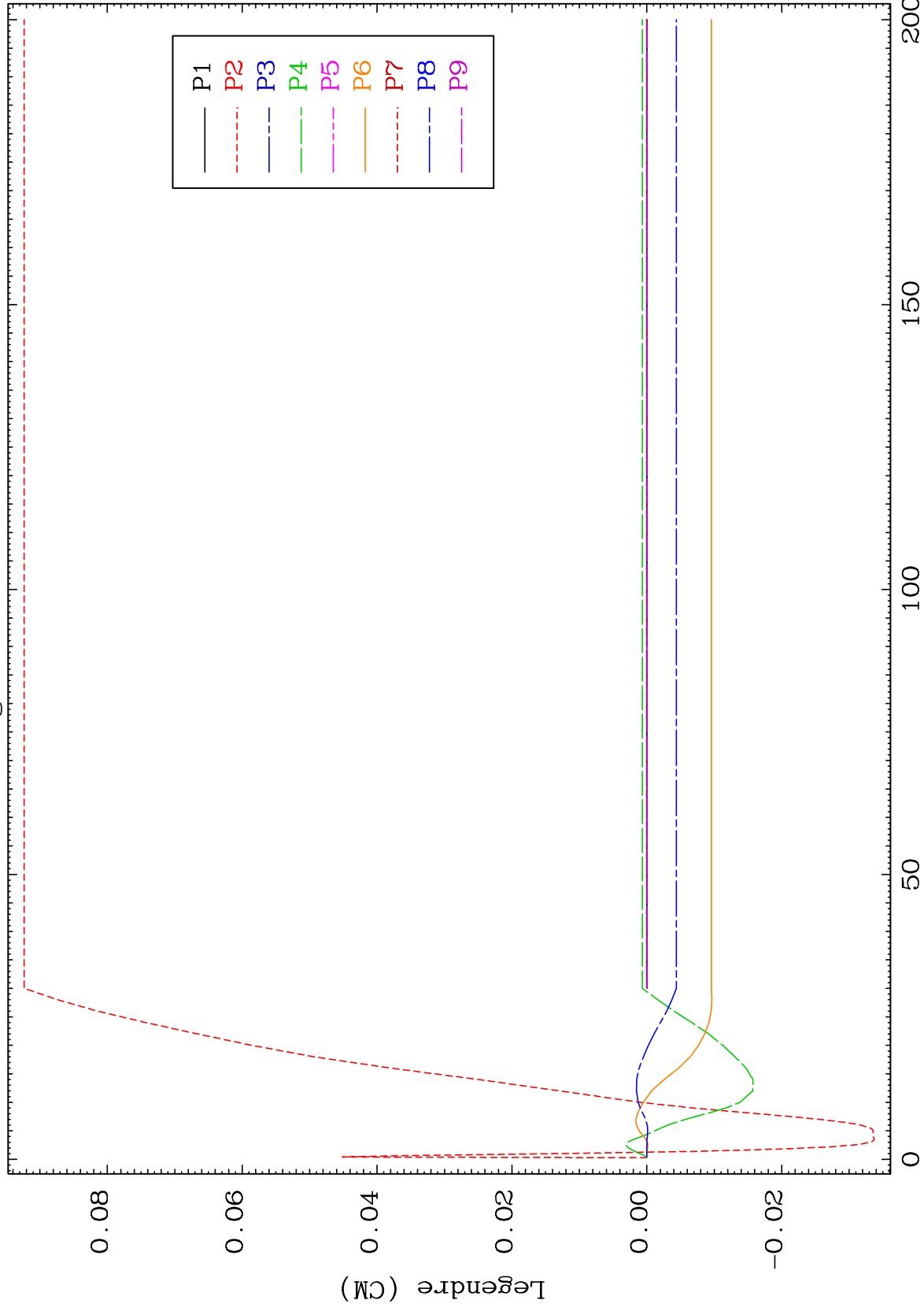
Incident Energy (MeV)

18

MAT 8083

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

81-Tl-189



19

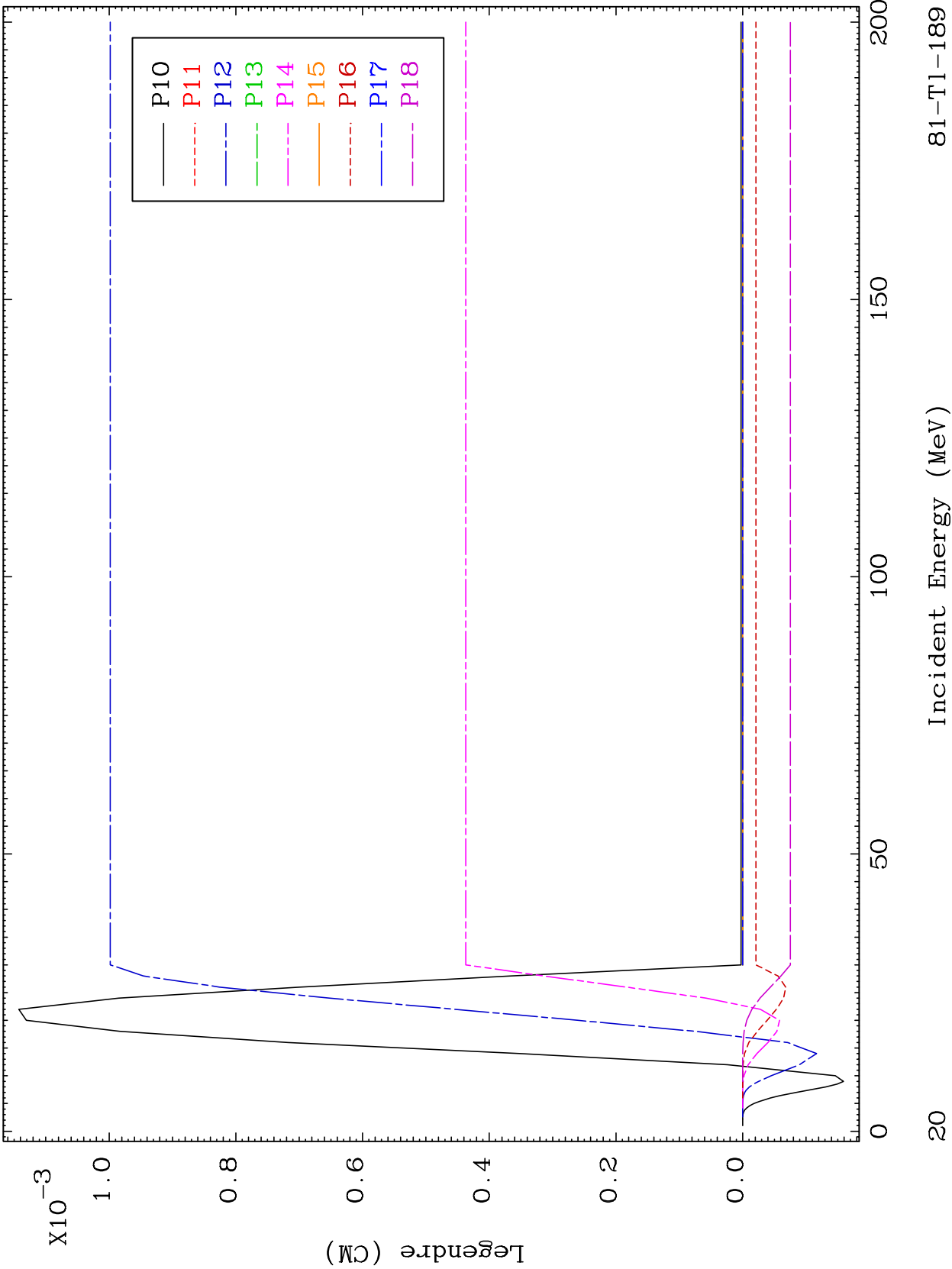
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

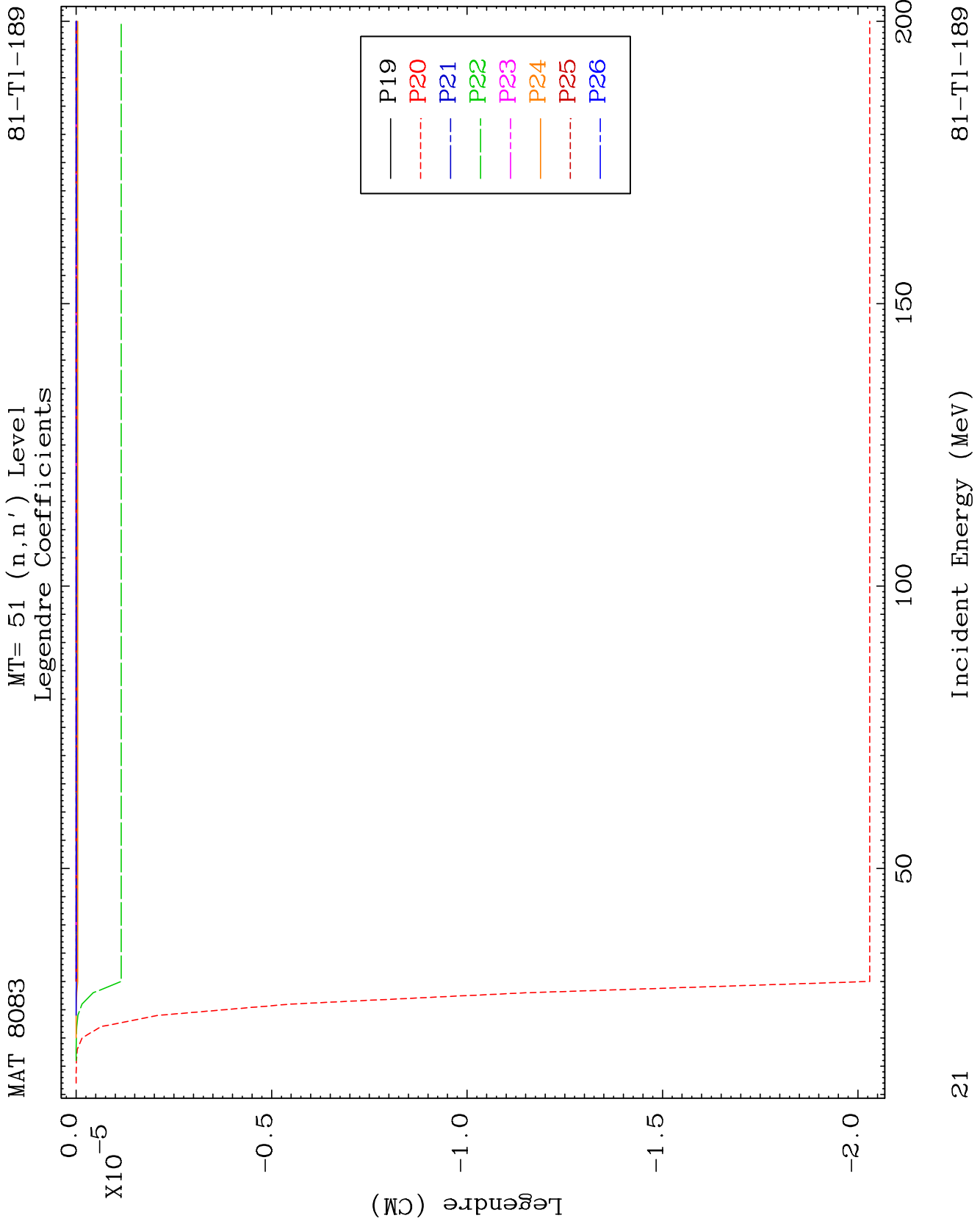
81-Tl-189



81-Tl-189

Incident Energy (MeV)

20

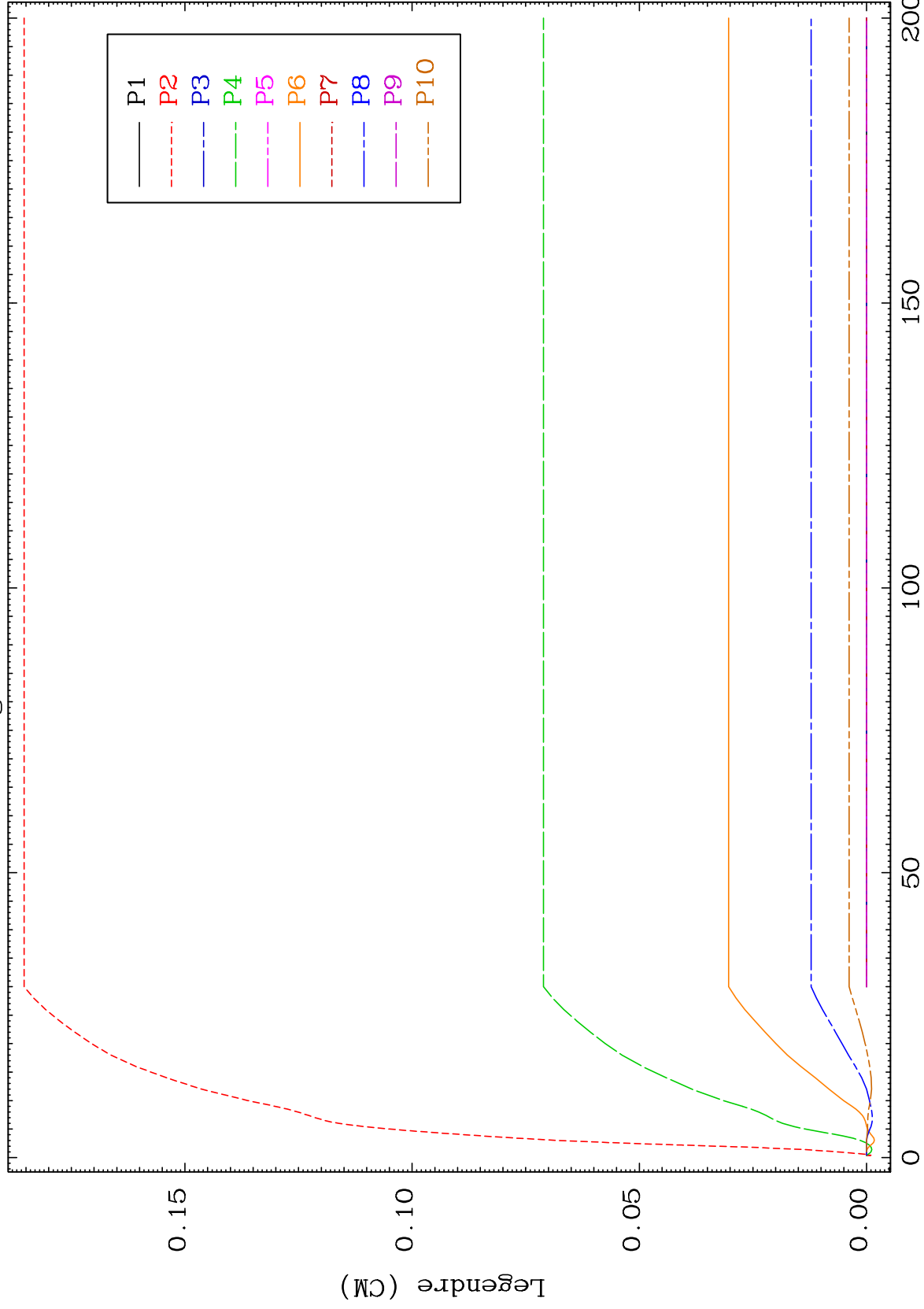


MAT 8083

MT= 52 (n,n') Level

81-Tl-189

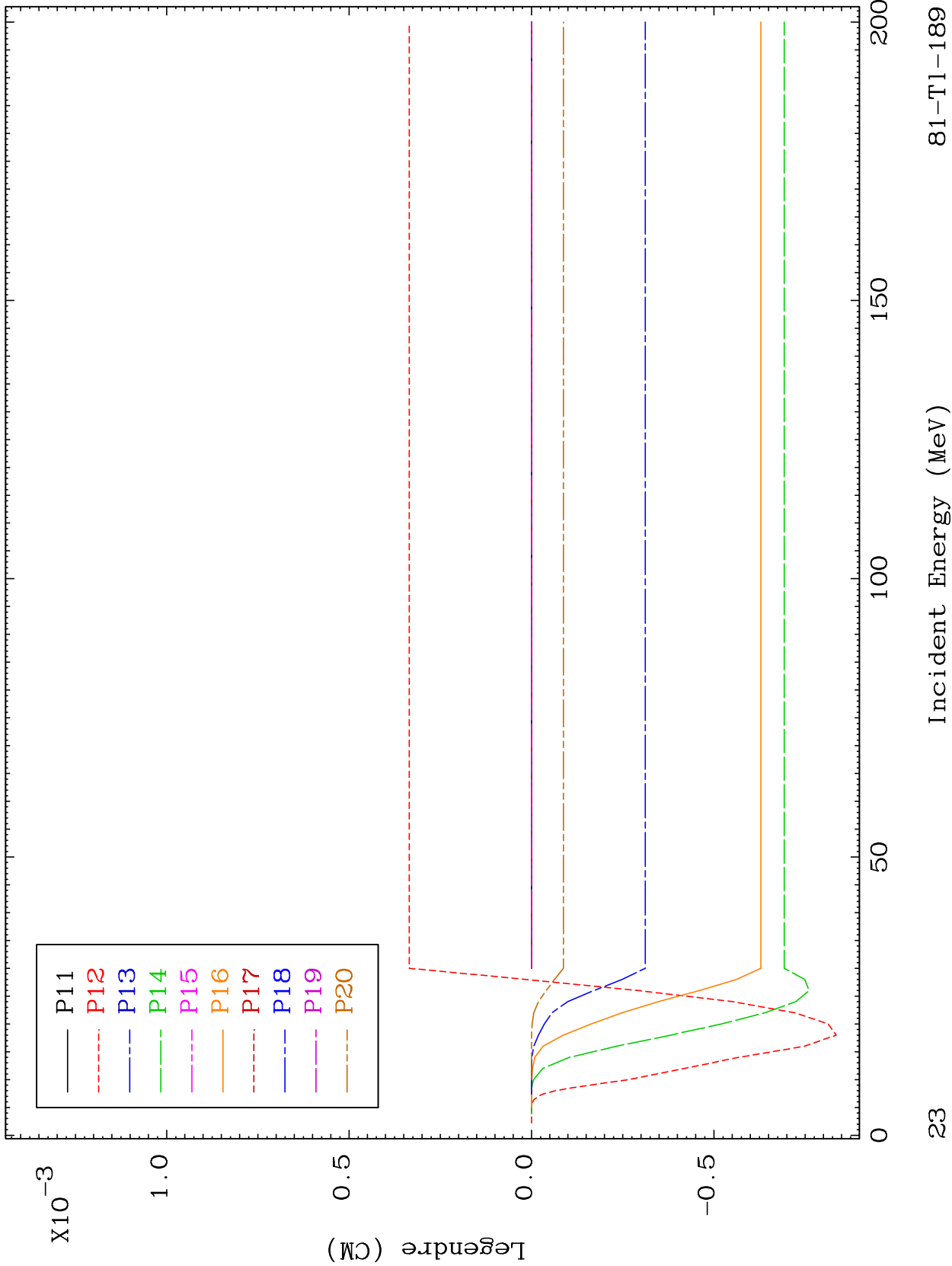
Legendre Coefficients

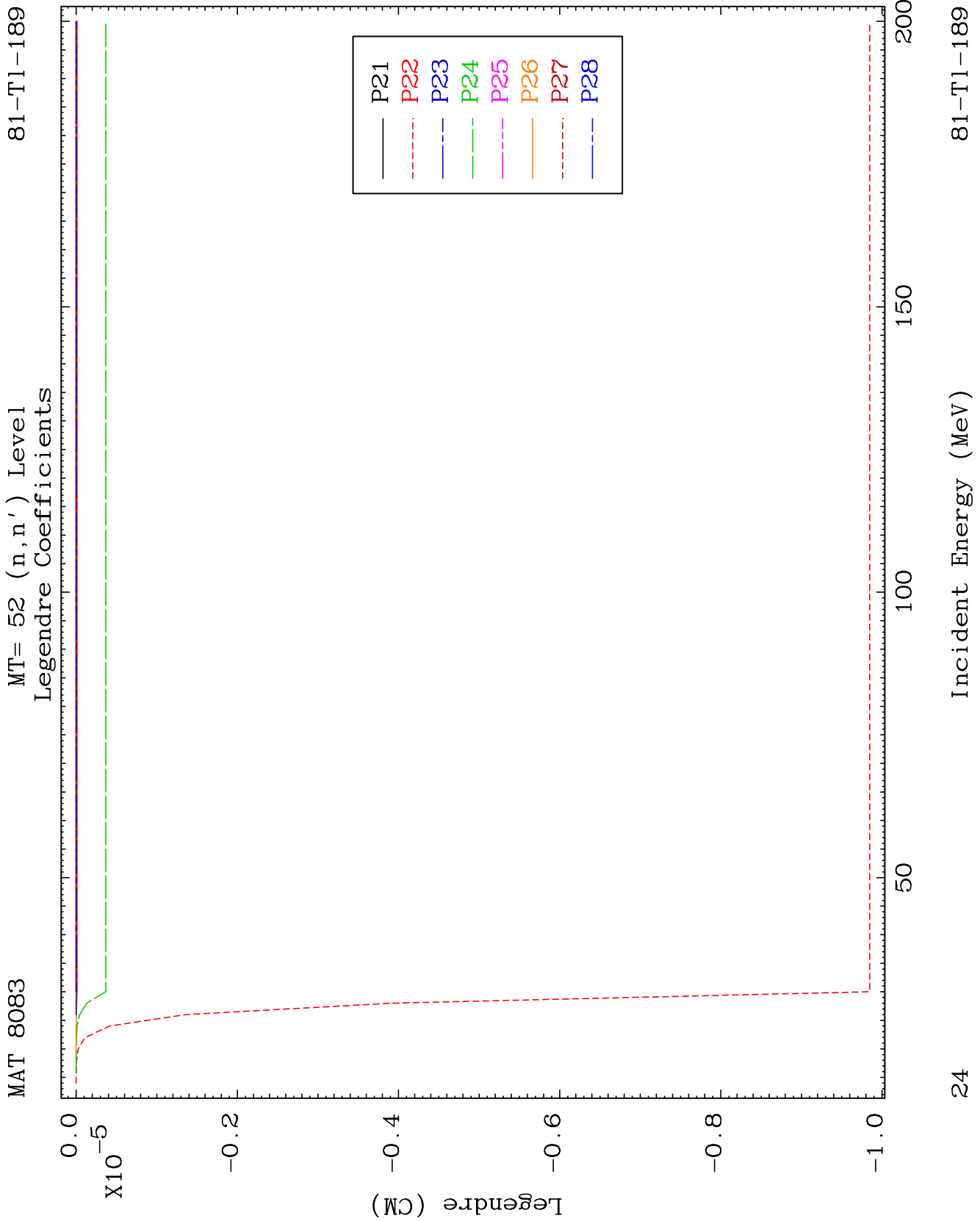


22

Incident Energy (MeV)

81-Tl-189

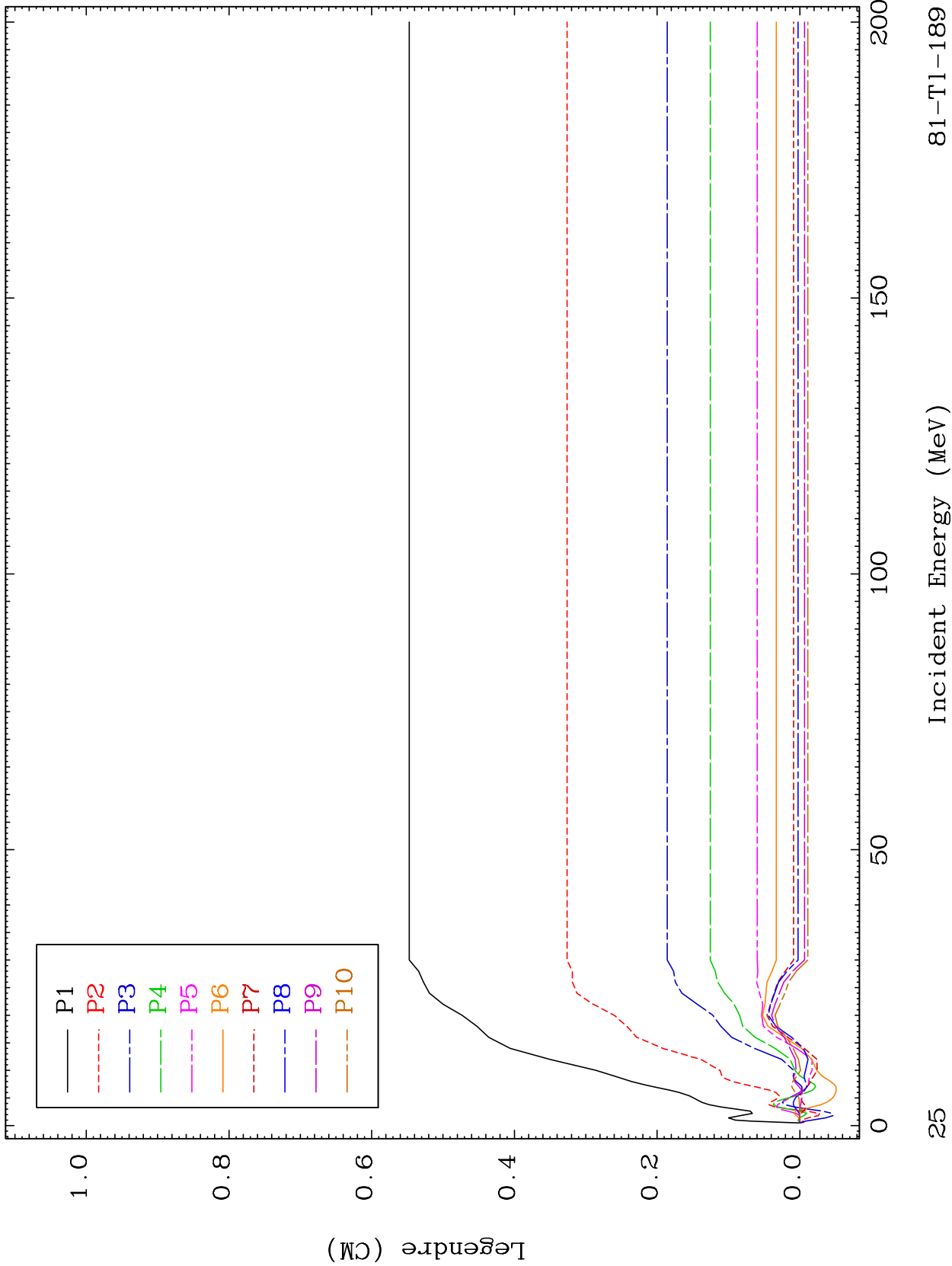




MAT 8083

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

81-Tl-189



81-Tl-189

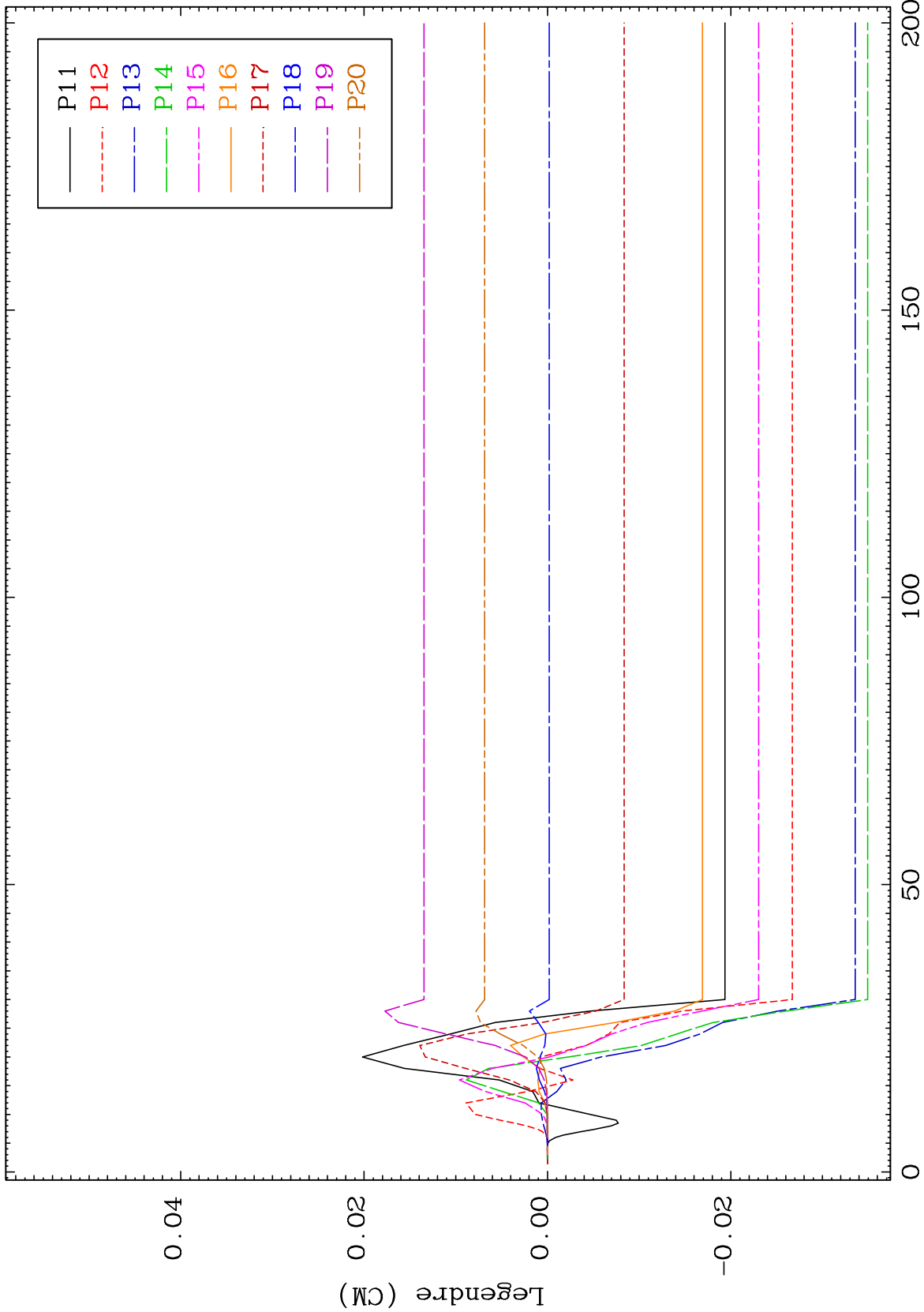
Incident Energy (MeV)

25

MAT 8083

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

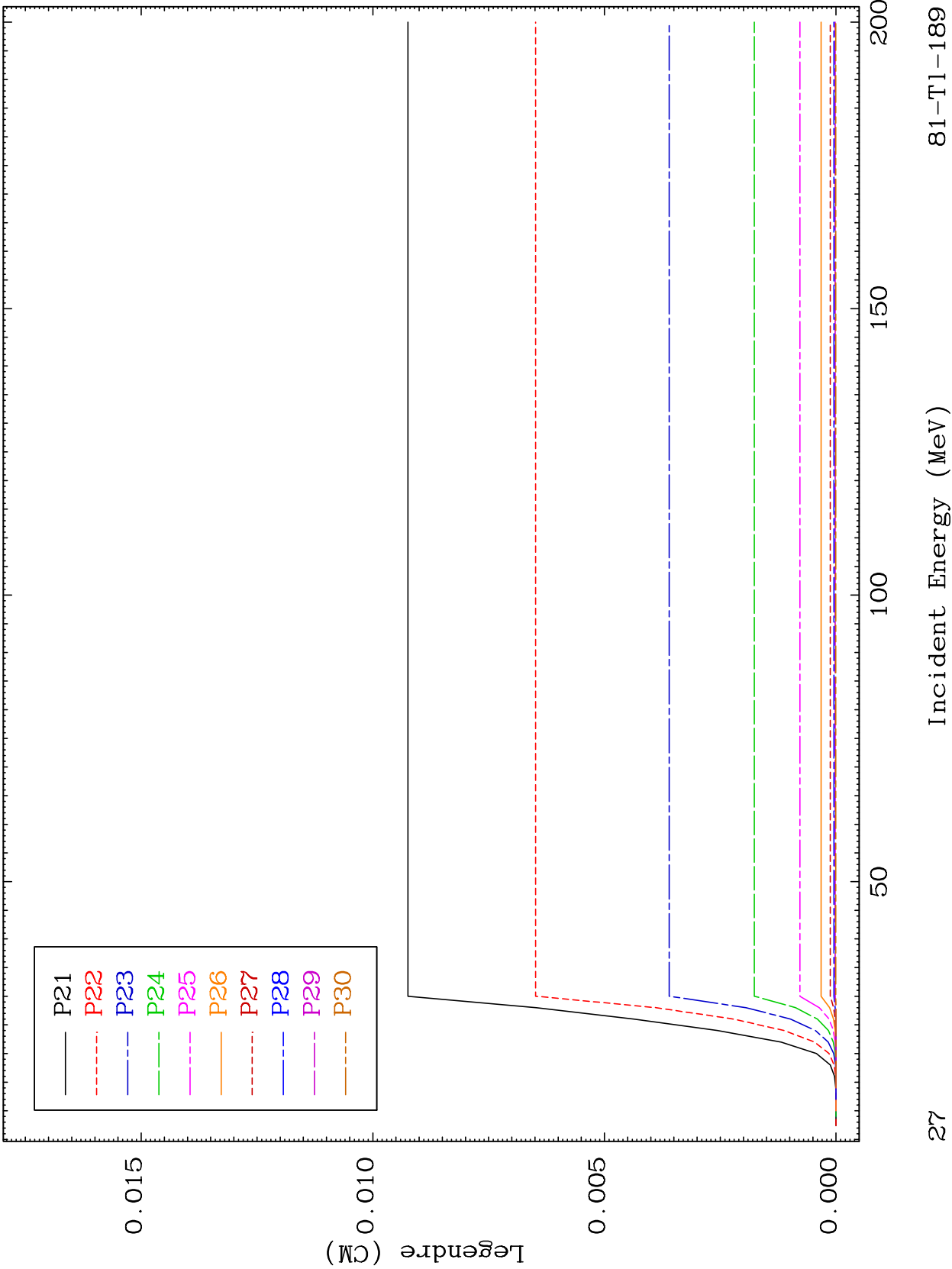
81-Tl-189



26

Incident Energy (MeV)

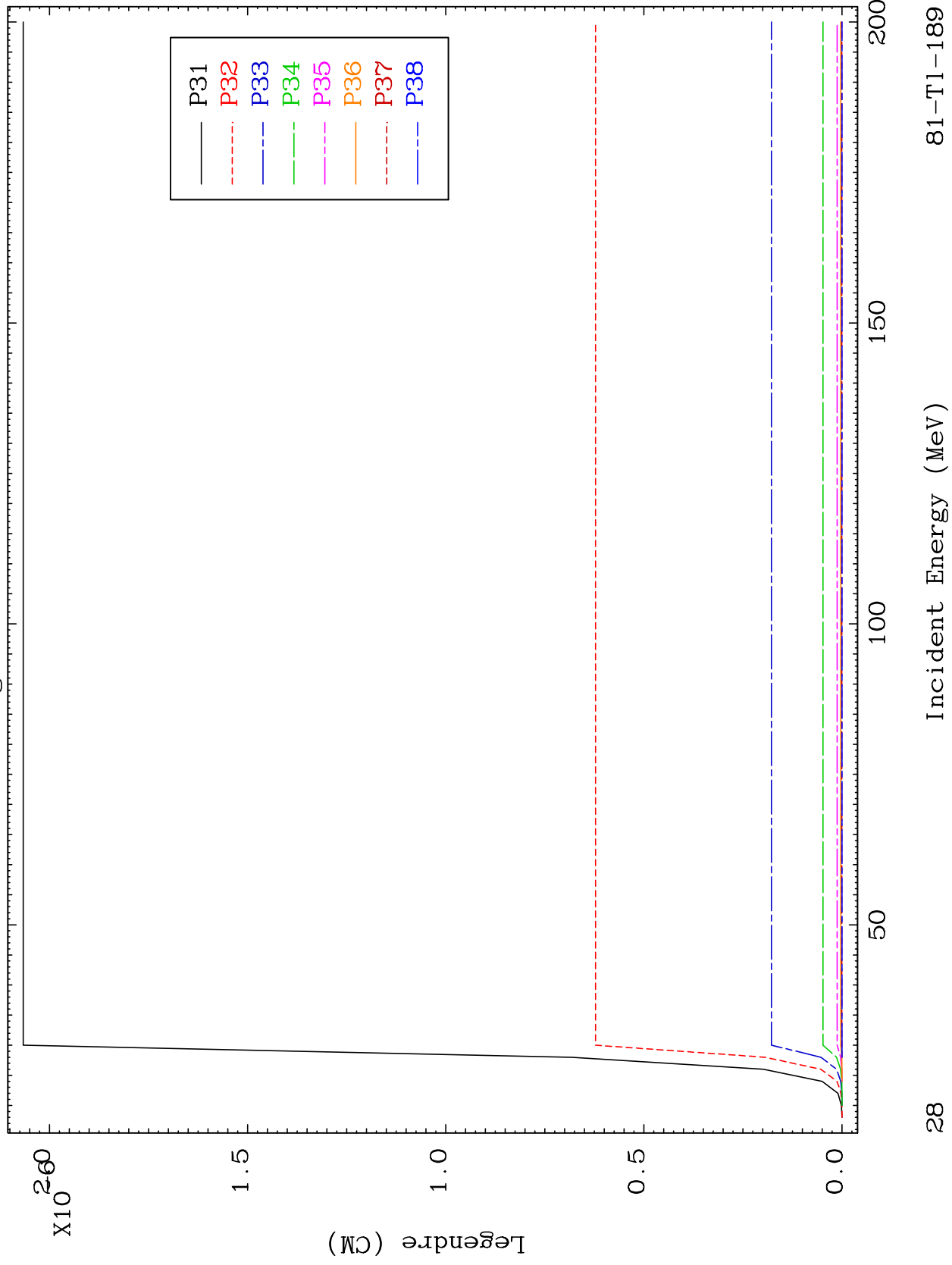
81-Tl-189



MAT 8083

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

81-Tl-189



28

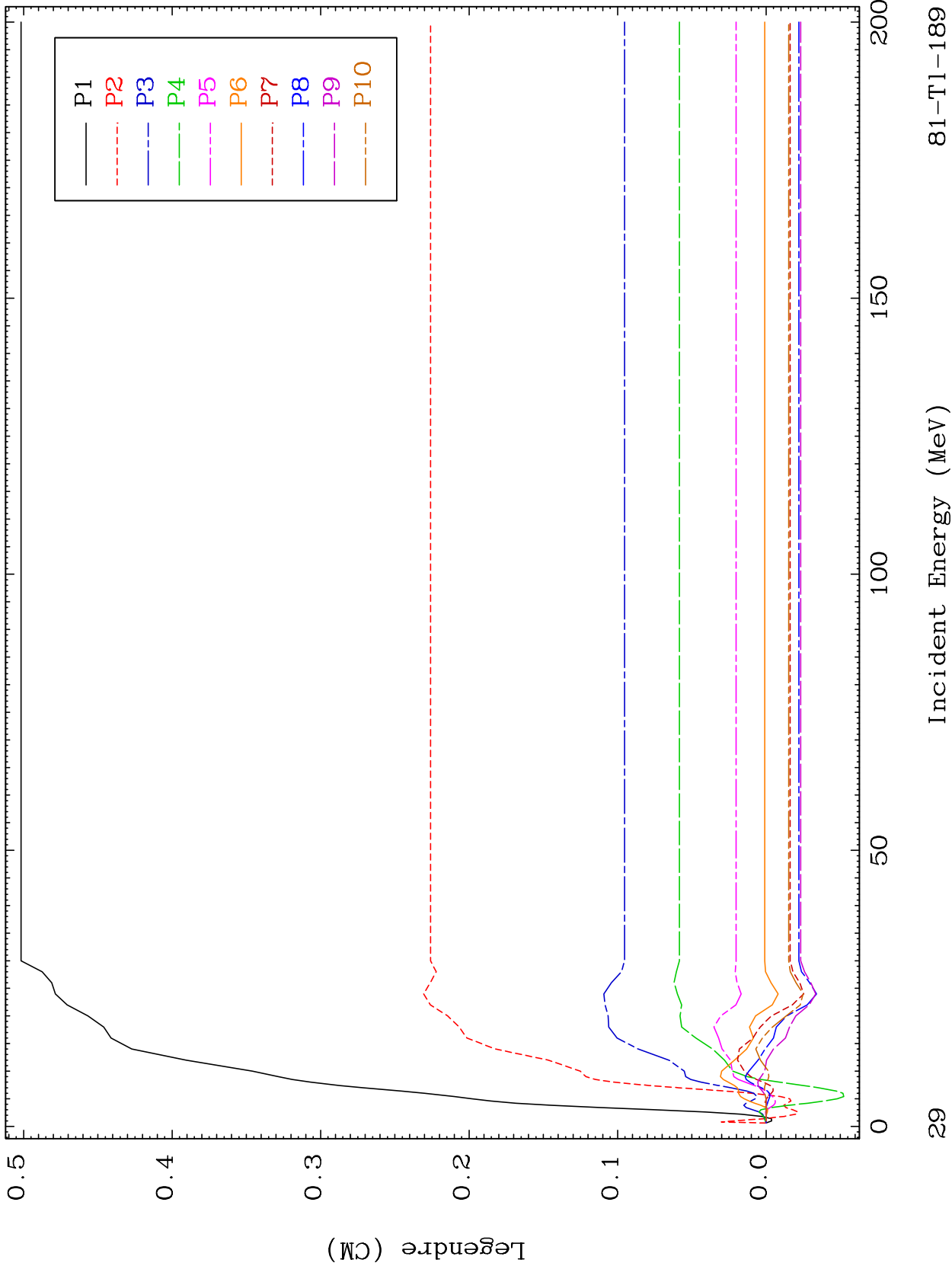
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



29

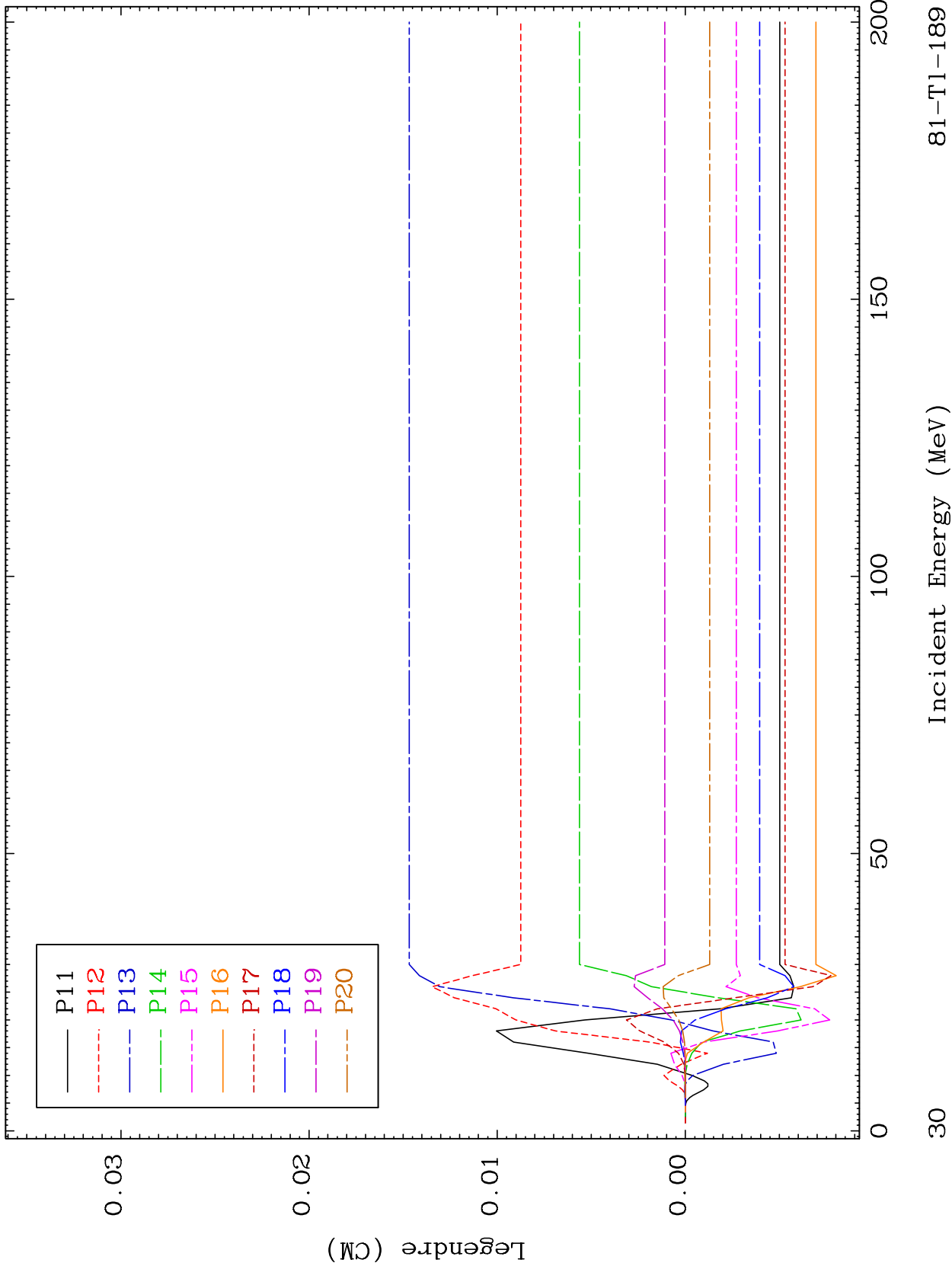
Incident Energy (MeV)

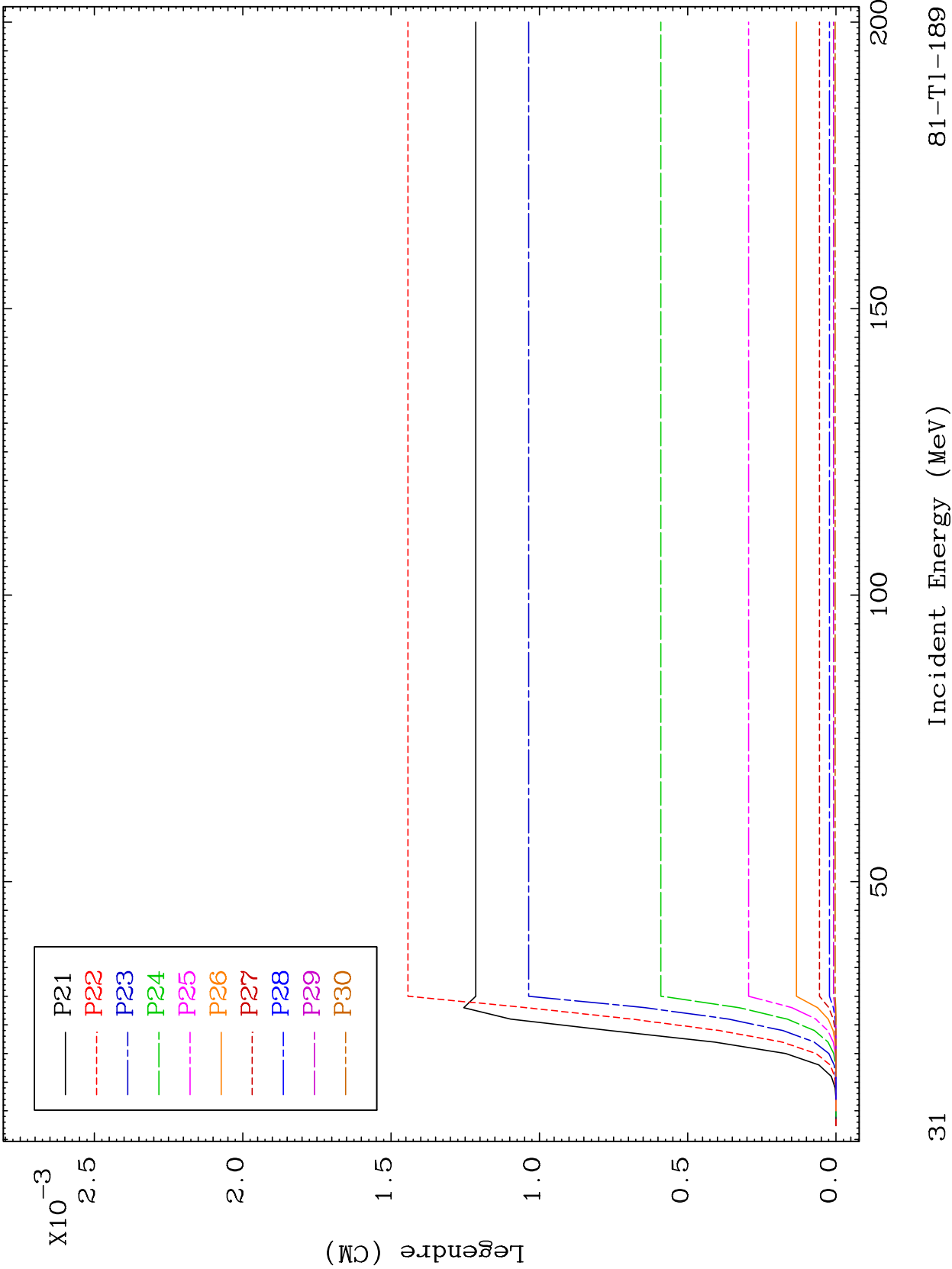
81-Tl-189

MAT 8083

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

81-Tl-189

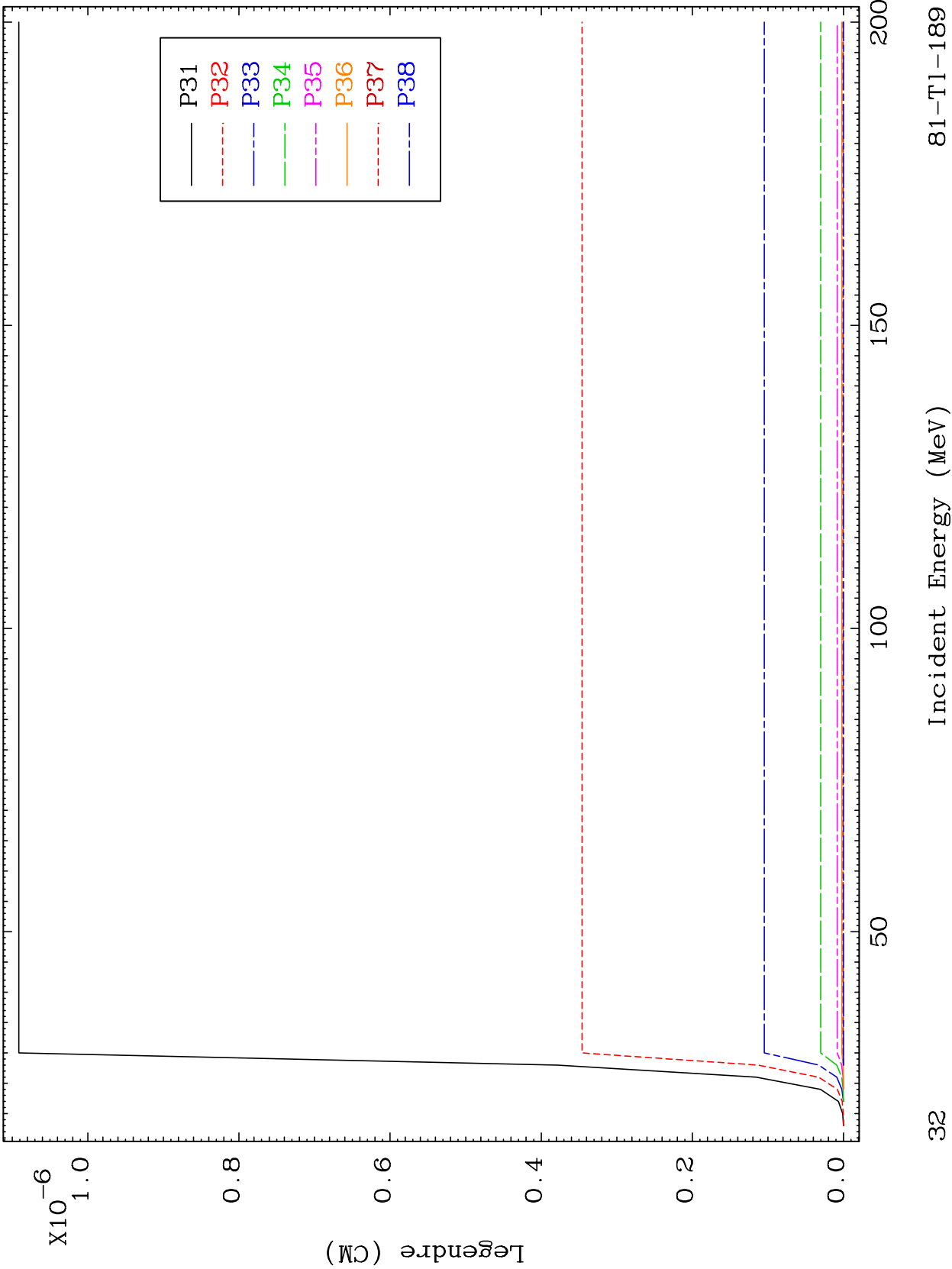




MAT 8083

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

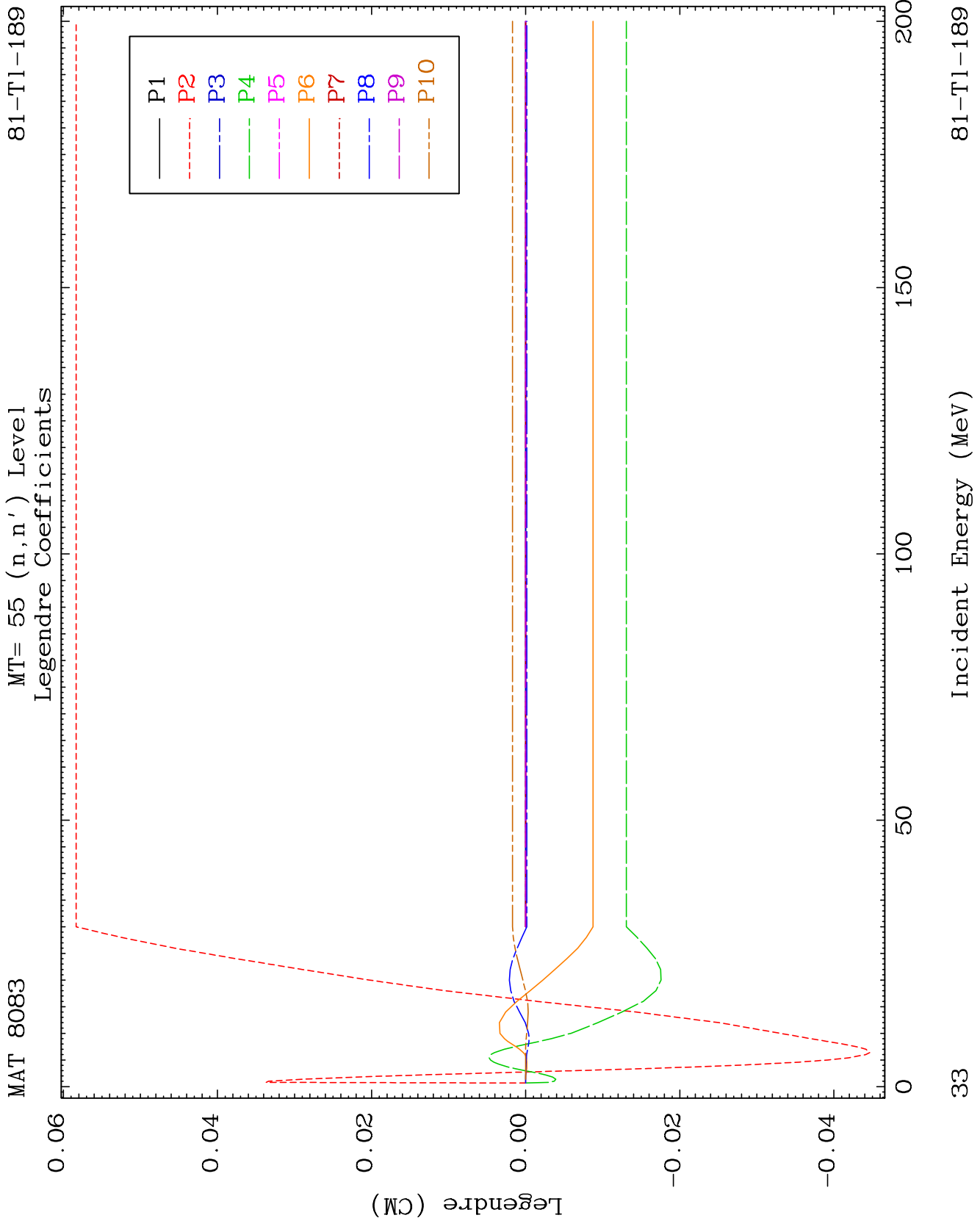
81-Tl-189



32

Incident Energy (MeV)

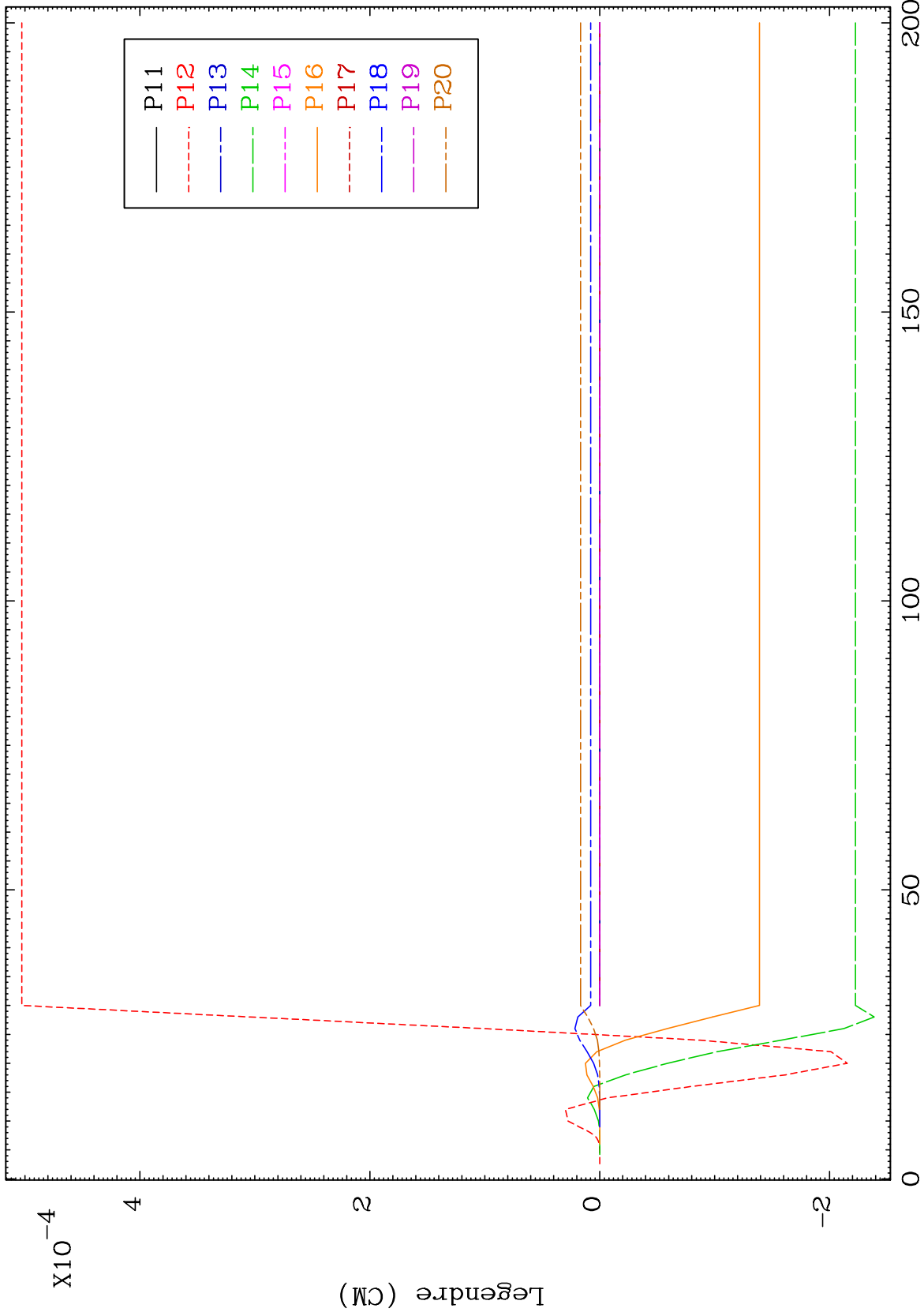
81-Tl-189



MAT 8083

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

81-Tl-189



34

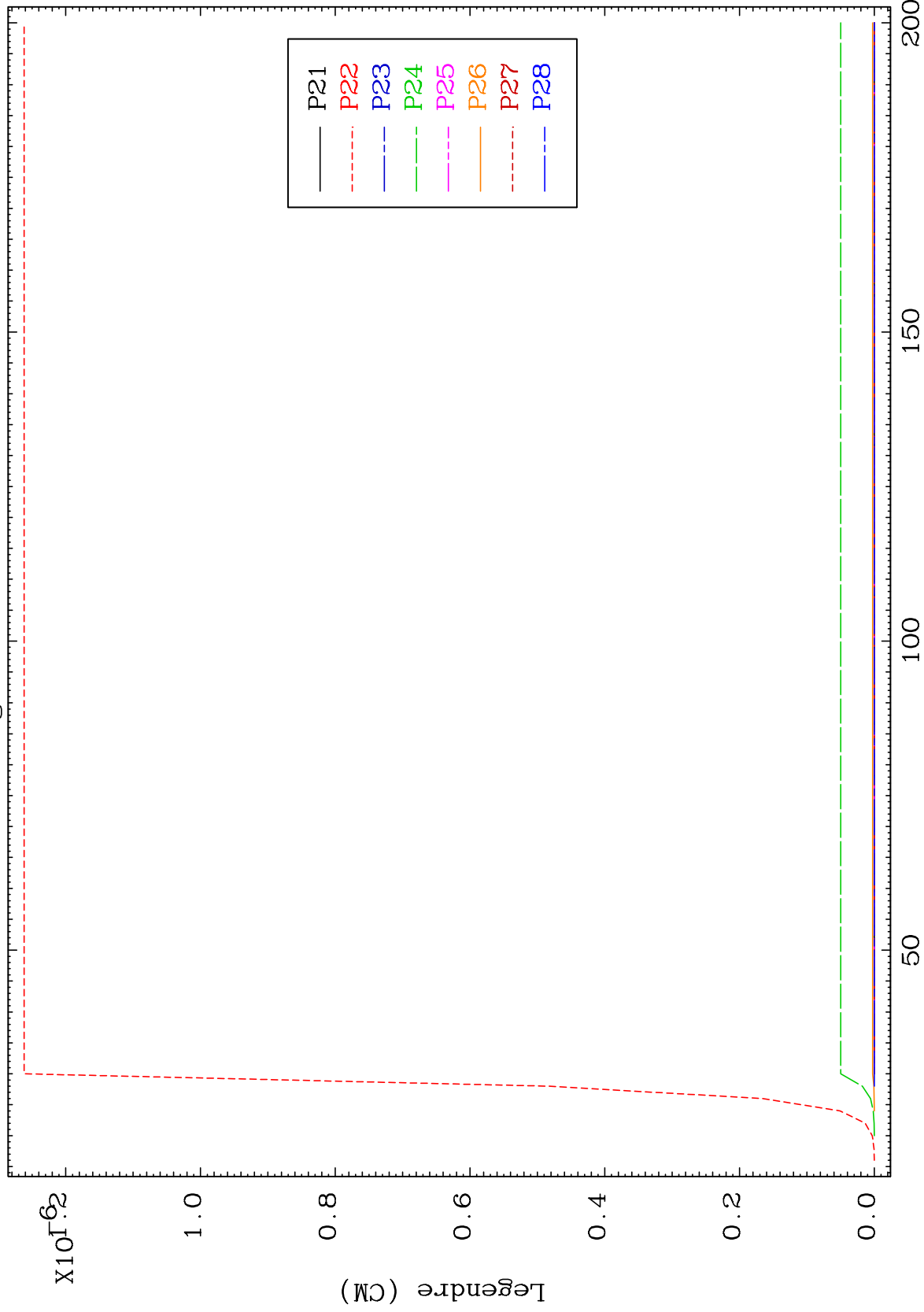
81-Tl-189

81-Tl-189

MAT 8083

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

81-Tl-189



35

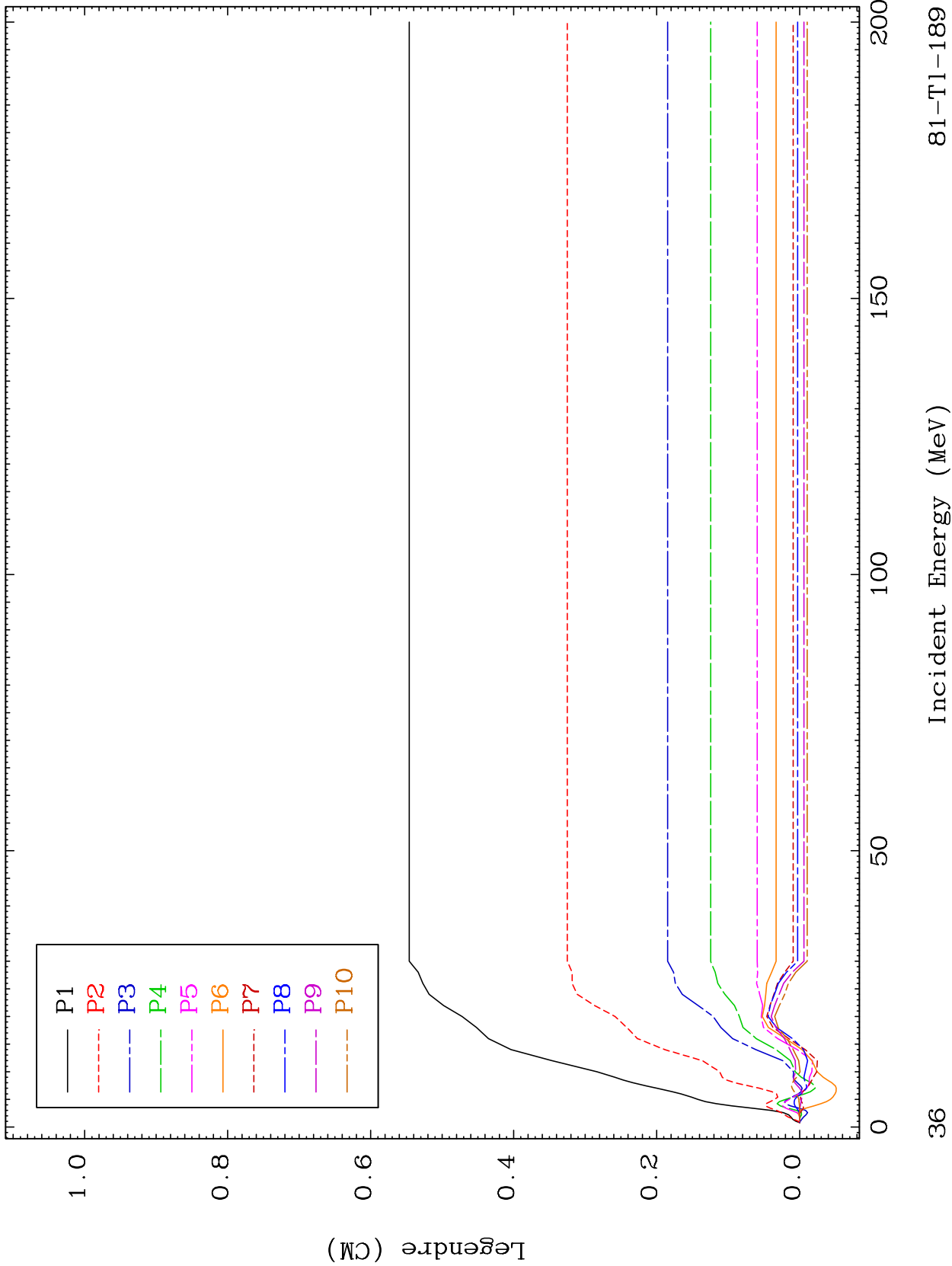
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



36

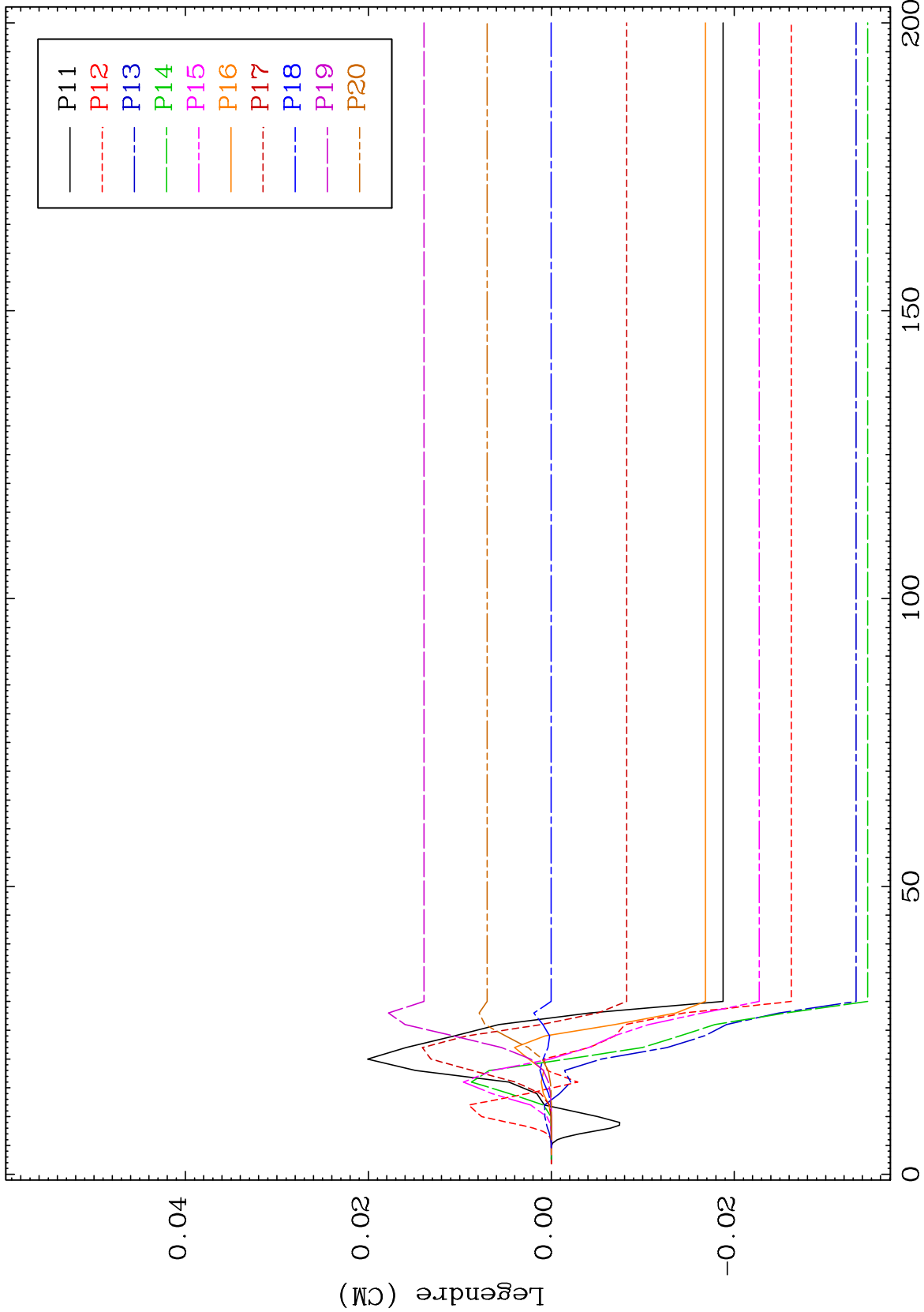
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

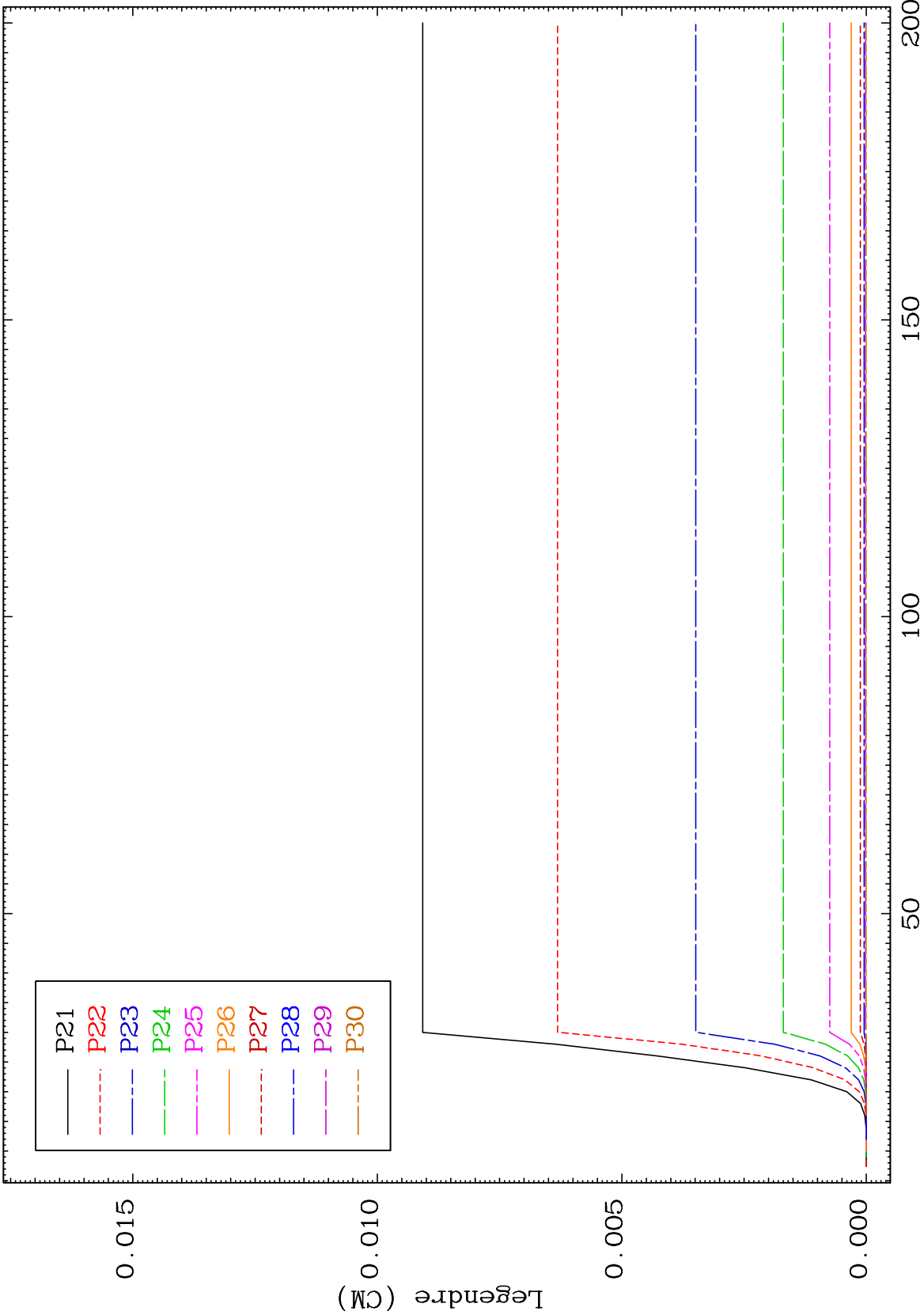
81-Tl-189



37

Incident Energy (MeV)

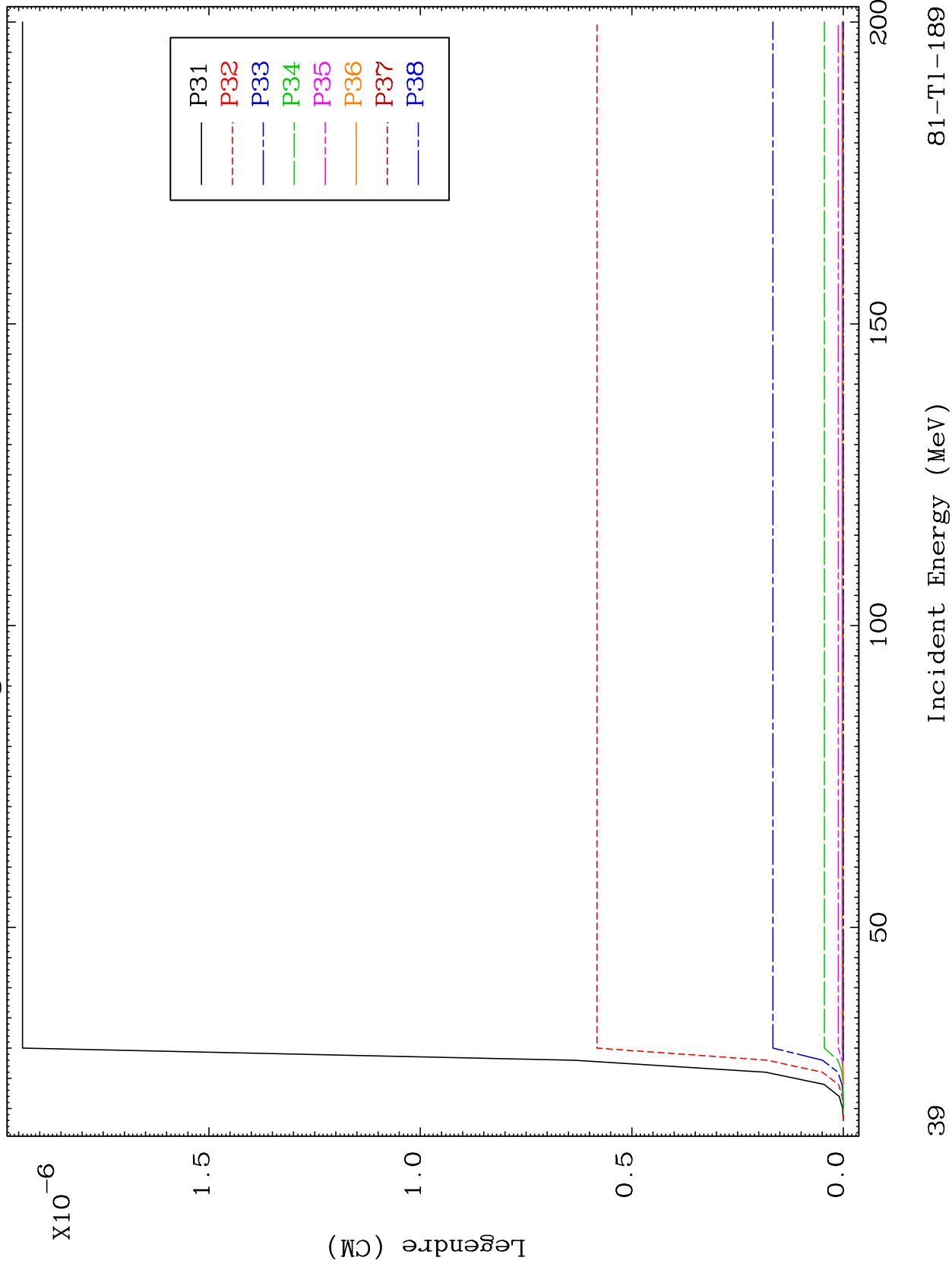
81-Tl-189



MAT 8083

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

81-Tl-189



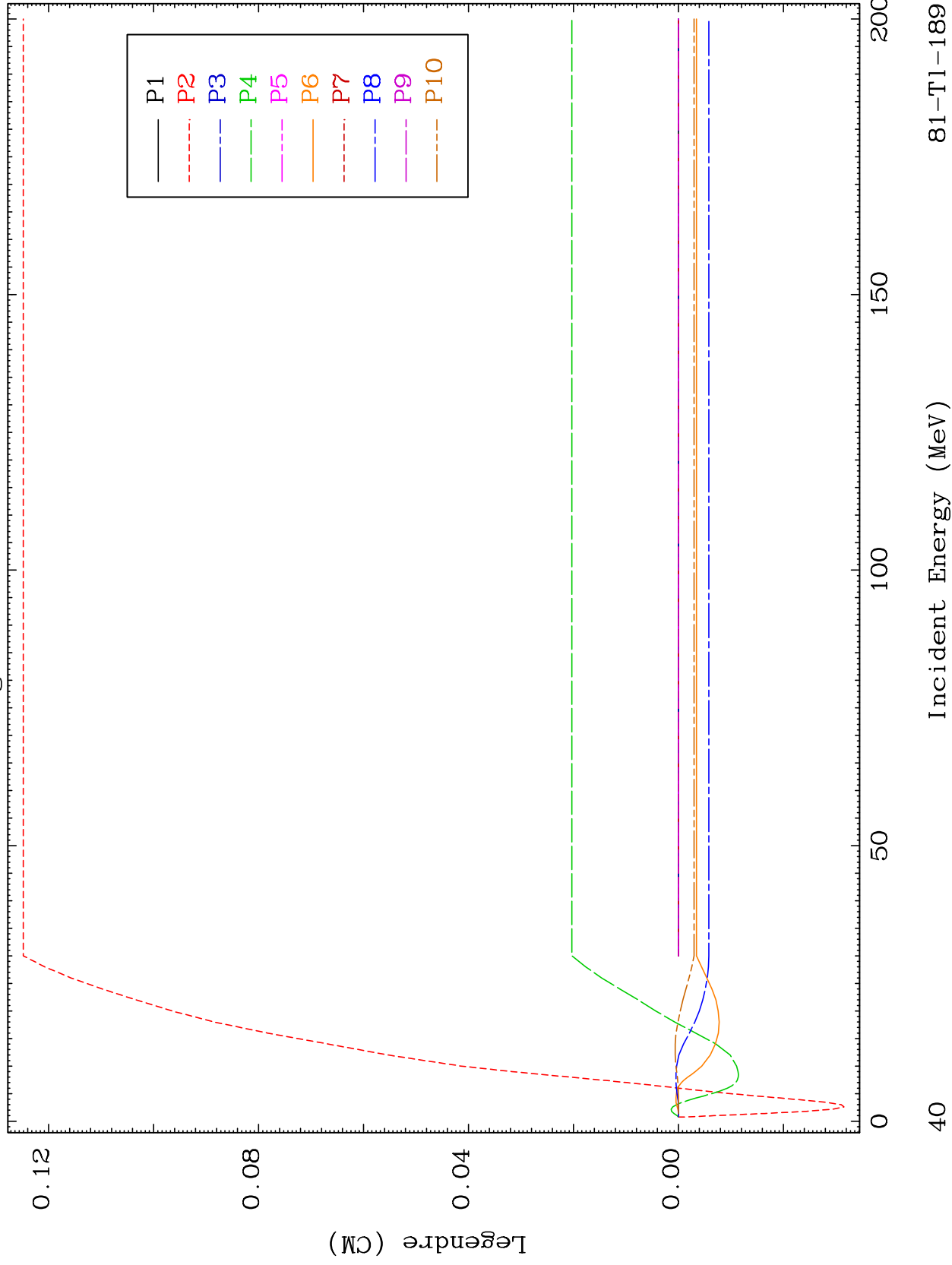
39

81-Tl-189

MAT 8083

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

81-Tl-189

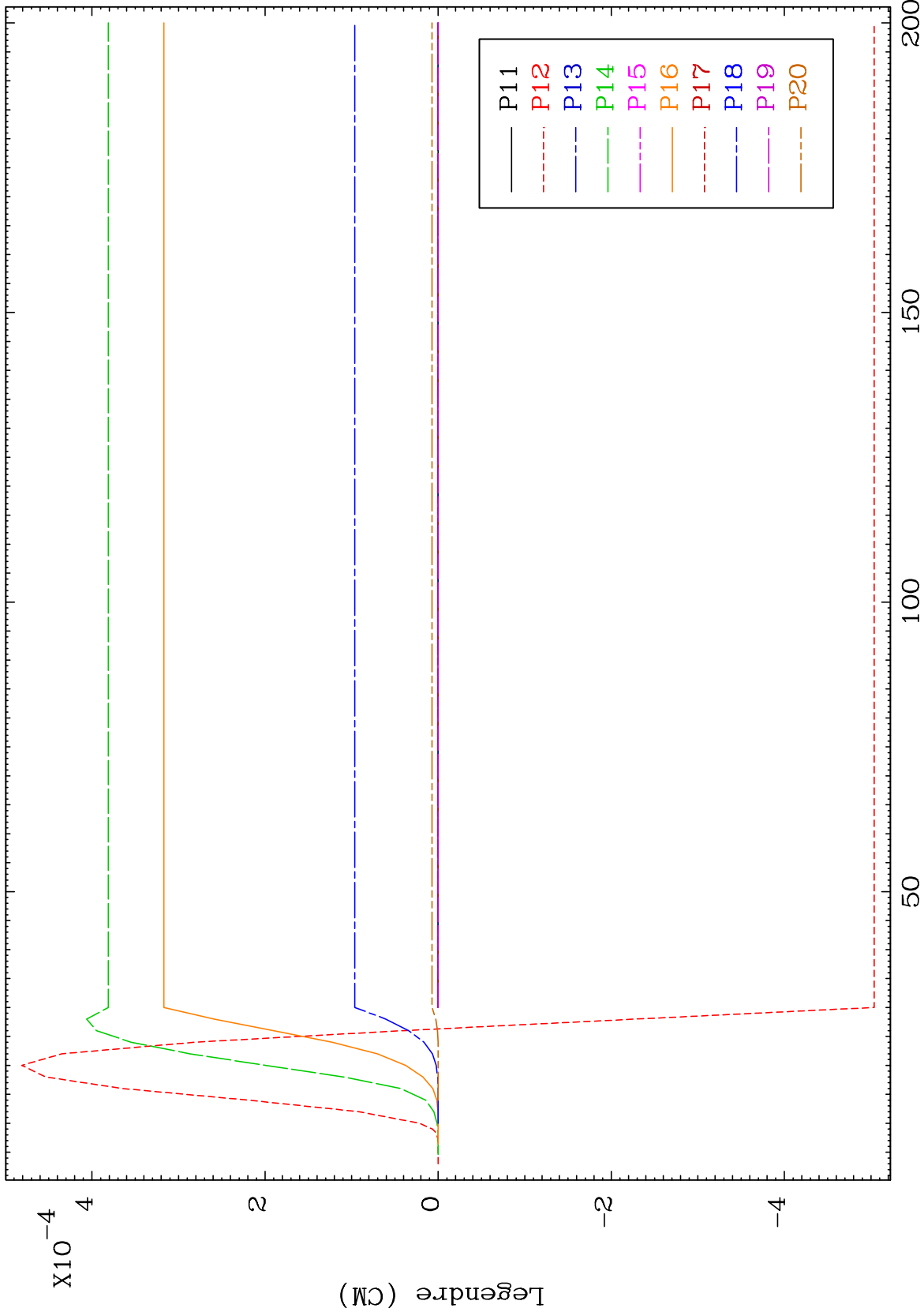


81-Tl-189

MAT 8083

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

81-Tl-189



41

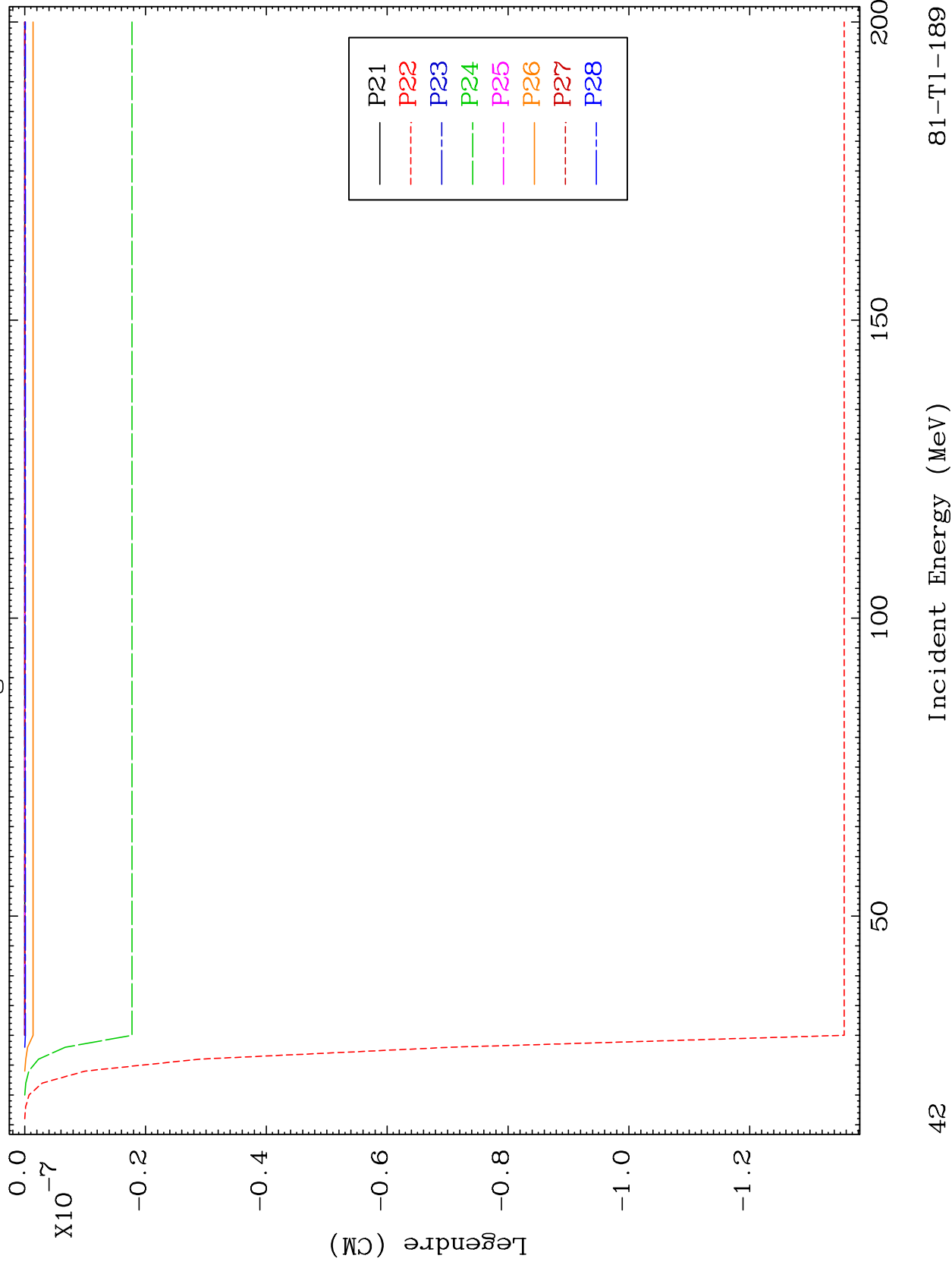
Incident Energy (MeV)

81-Tl-189

MAT 8083

81-Tl-189

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



42

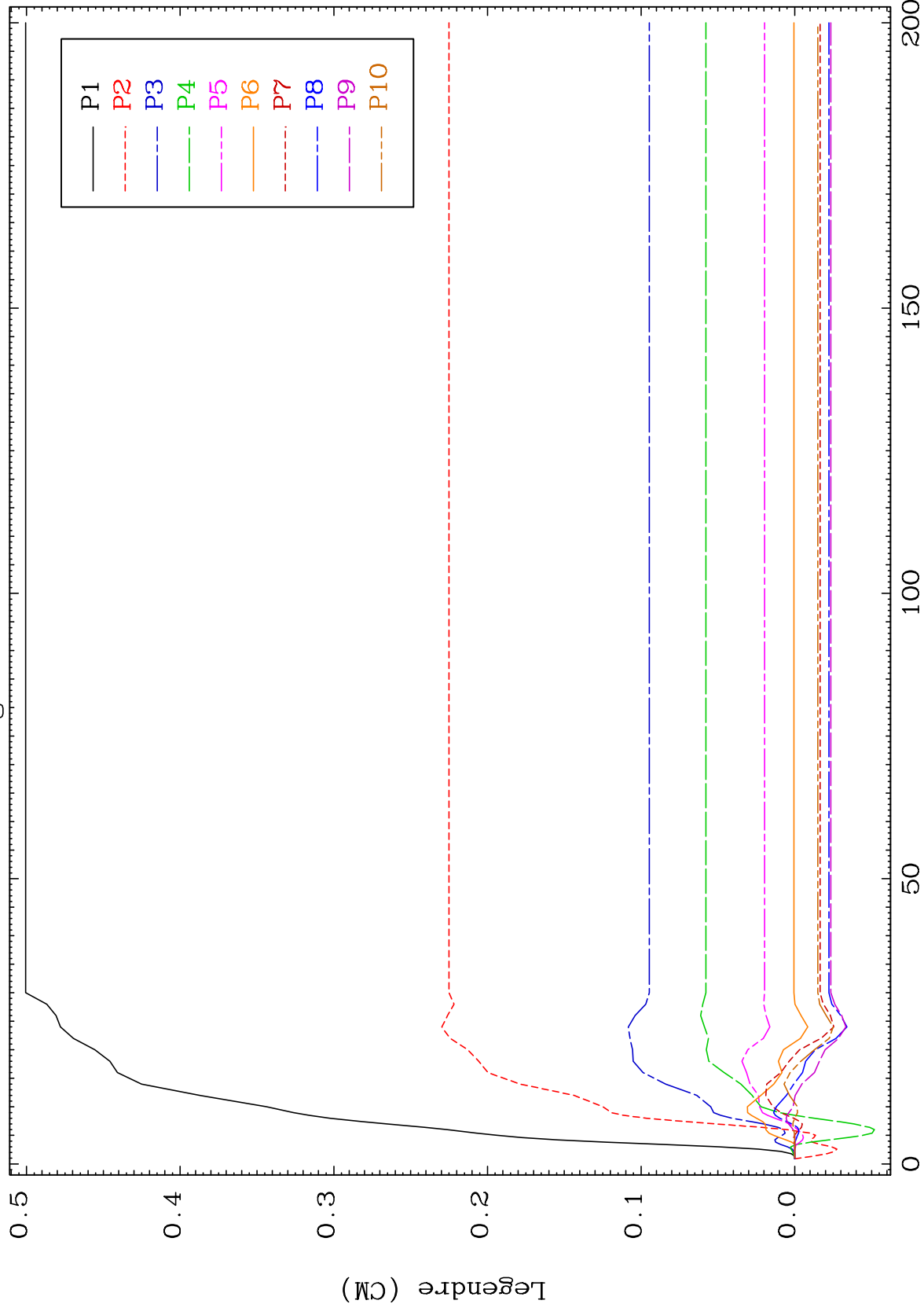
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



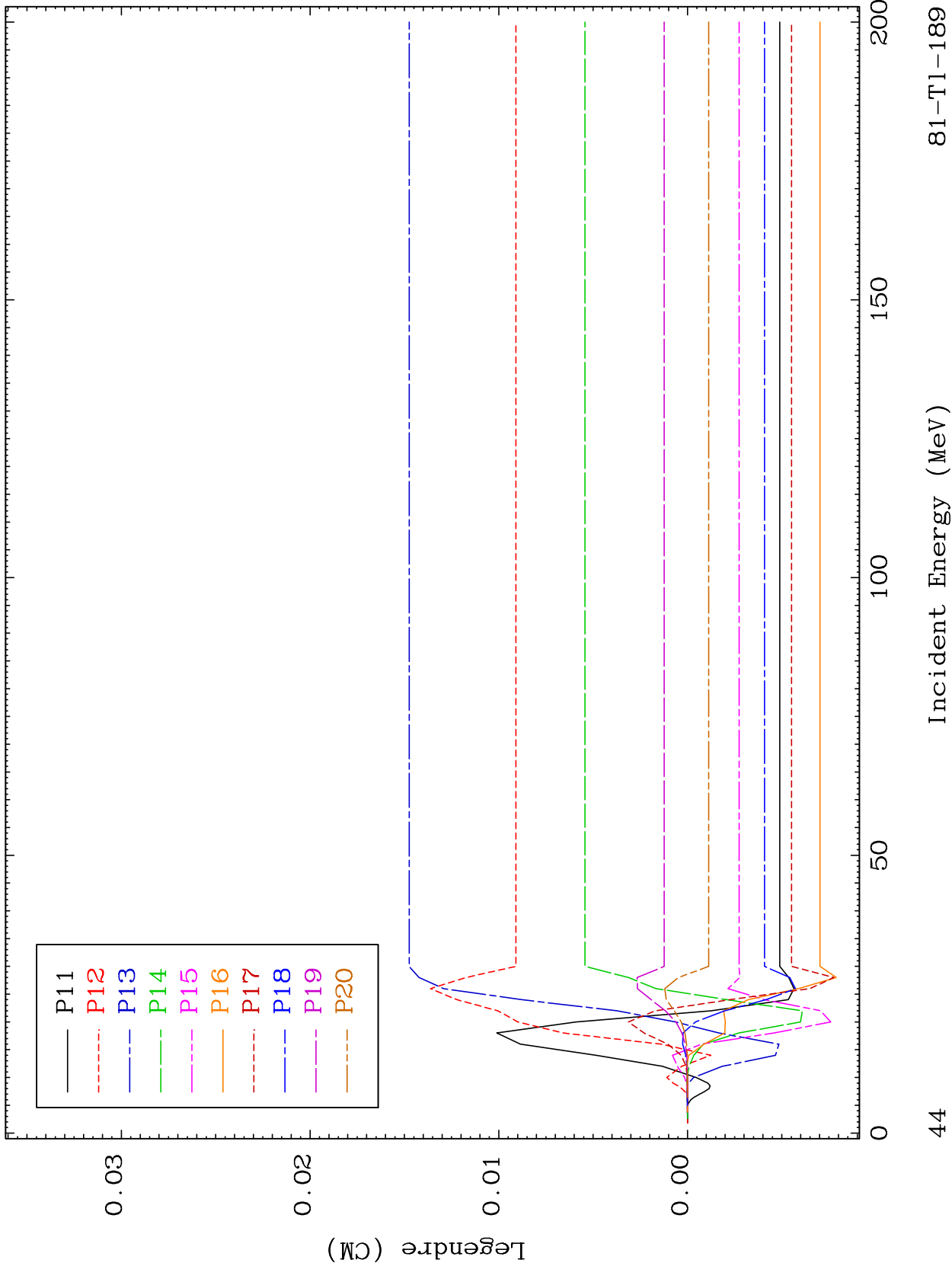
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81-Tl-189

MAT 8083

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

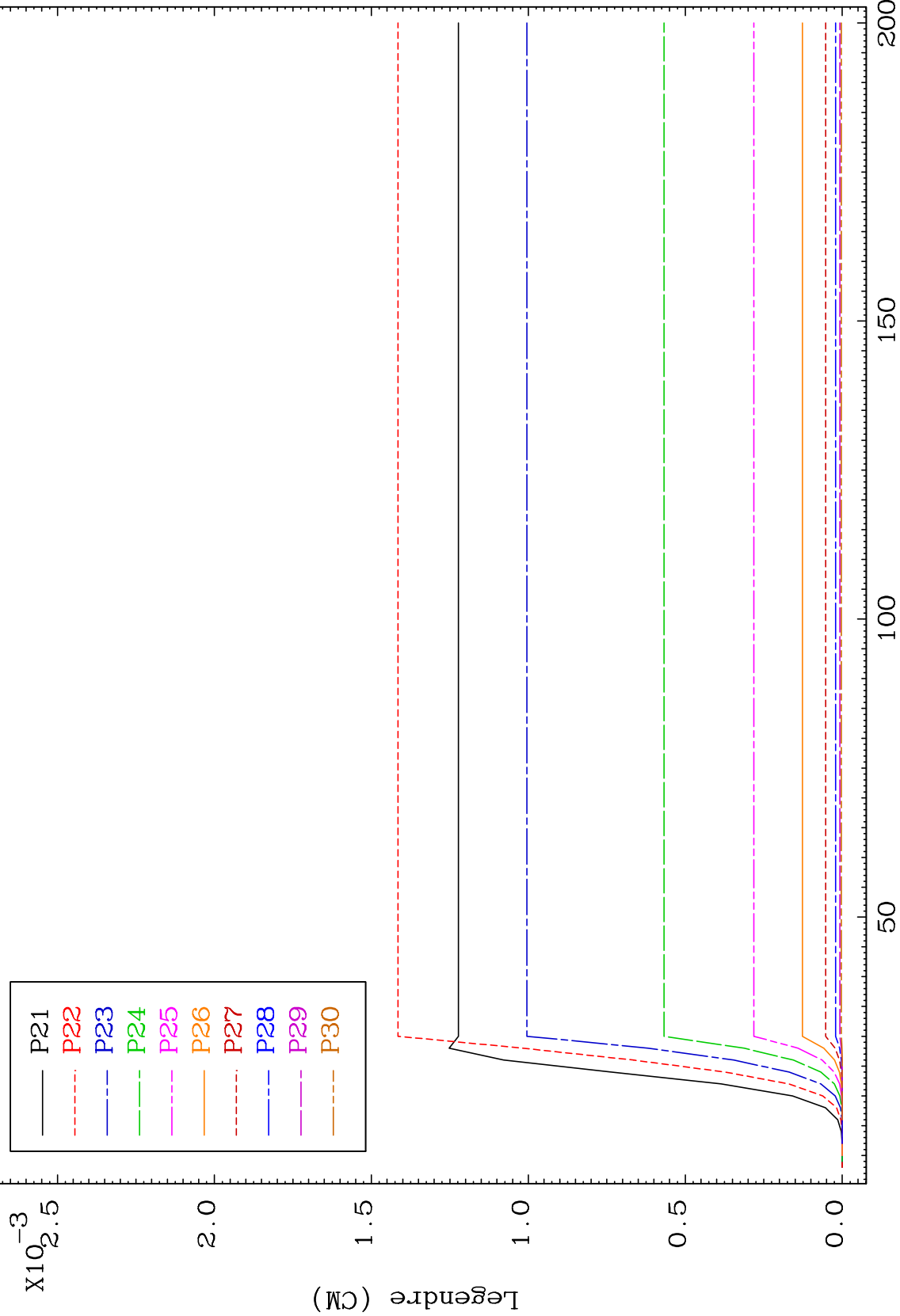
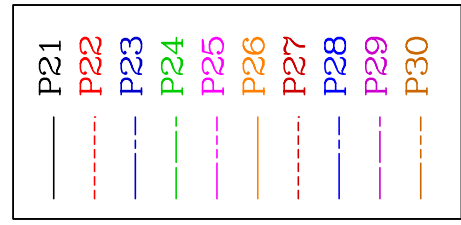
81-Tl-189



MAT 8083

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

81-Tl-189



45

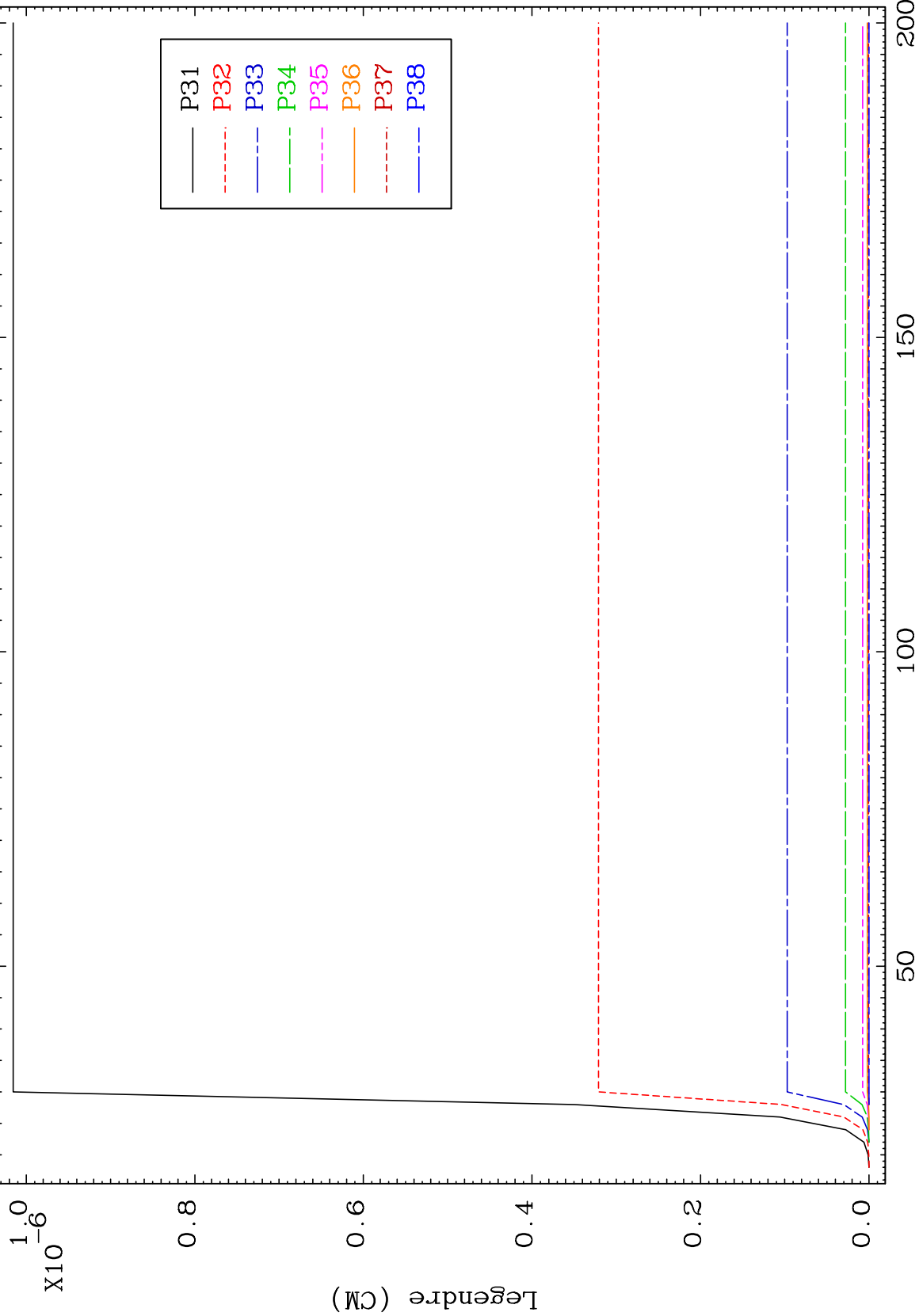
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



46

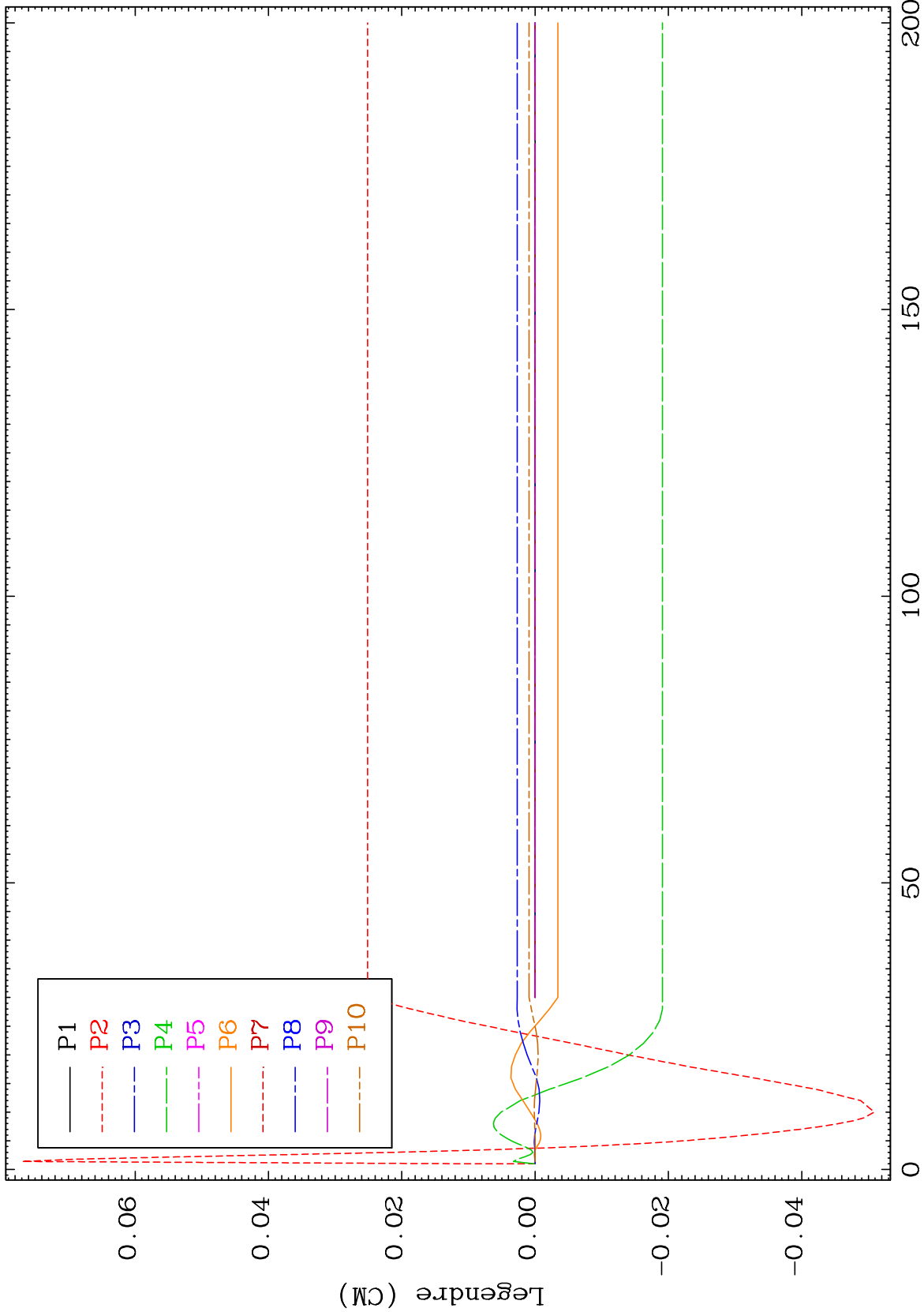
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



47

Incident Energy (MeV)

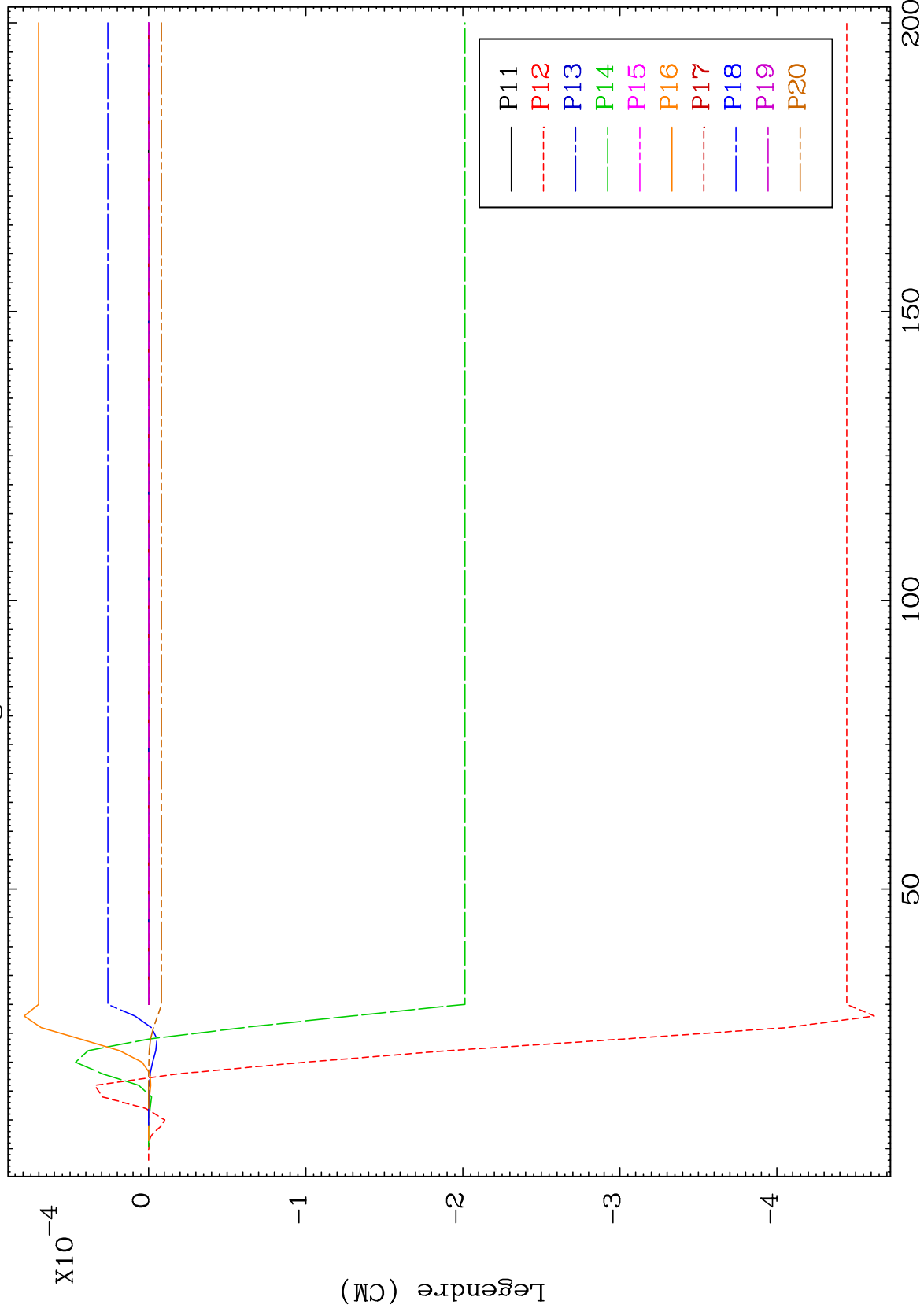
81-Tl-189

MAT 8083

MT= 59 (n,n') Level

81-Tl-189

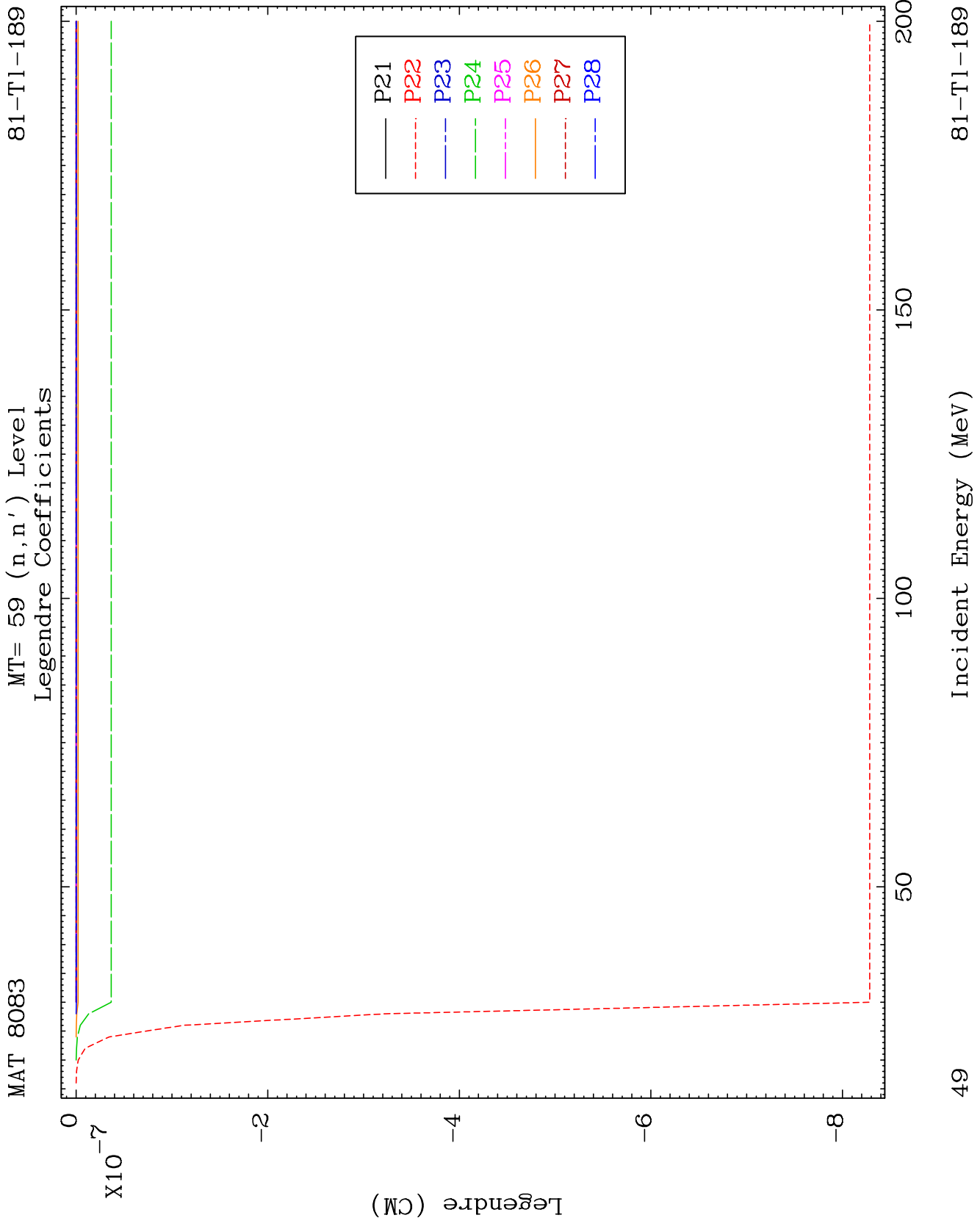
Legendre Coefficients



48

Incident Energy (MeV)

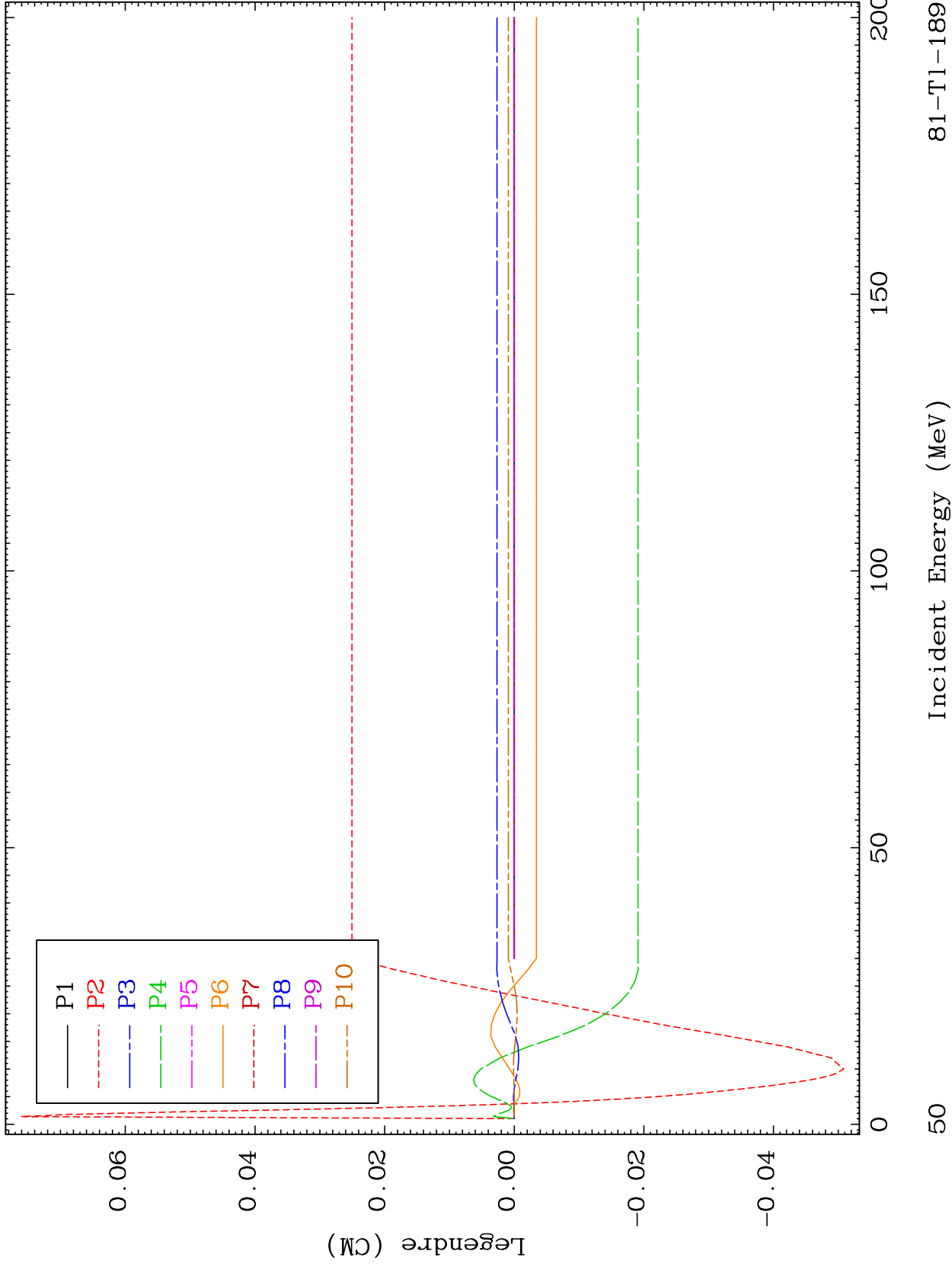
81-Tl-189



MAT 8083

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

81-Tl-189



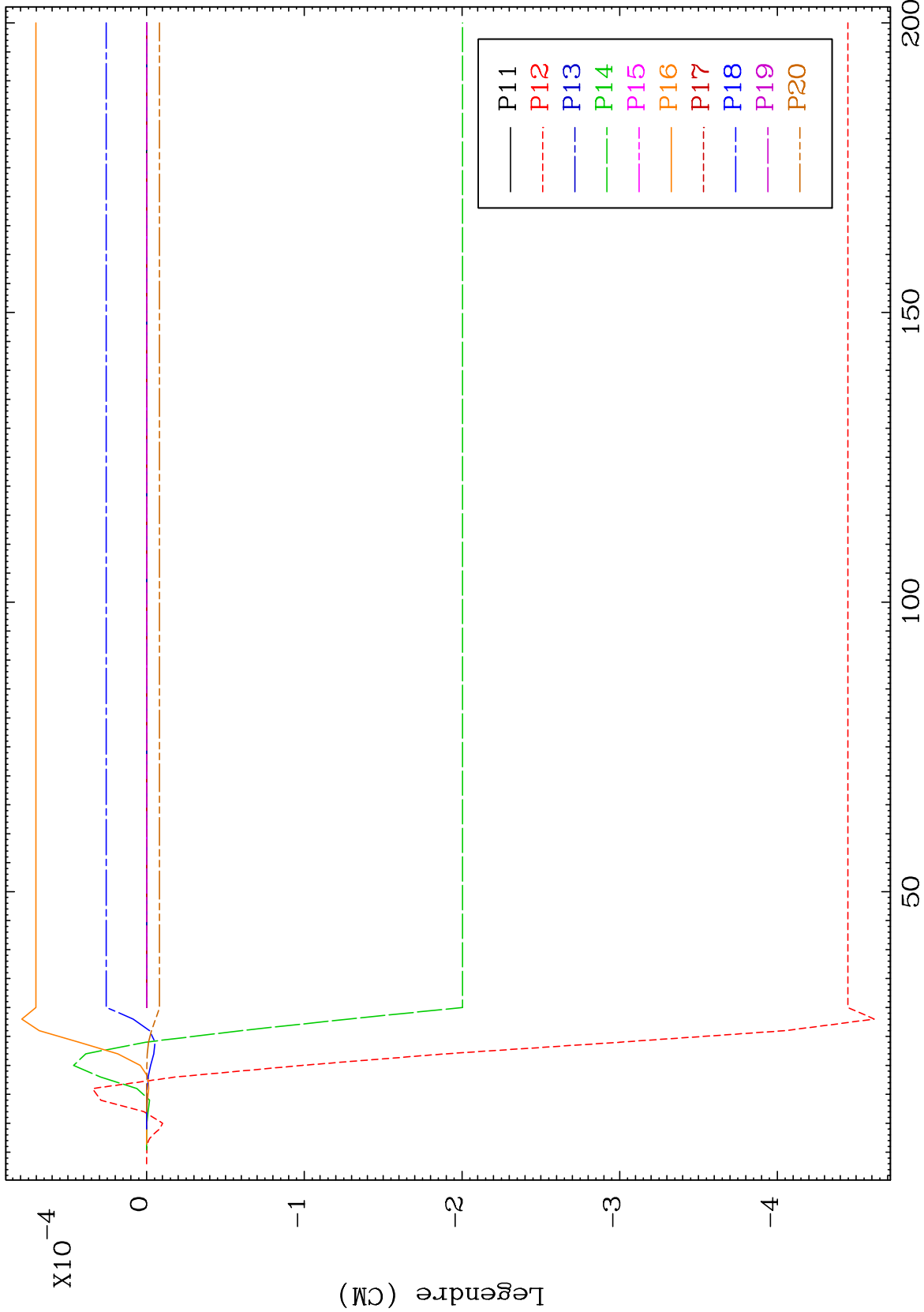
81-Tl-189

Incident Energy (MeV)

MAT 8083

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

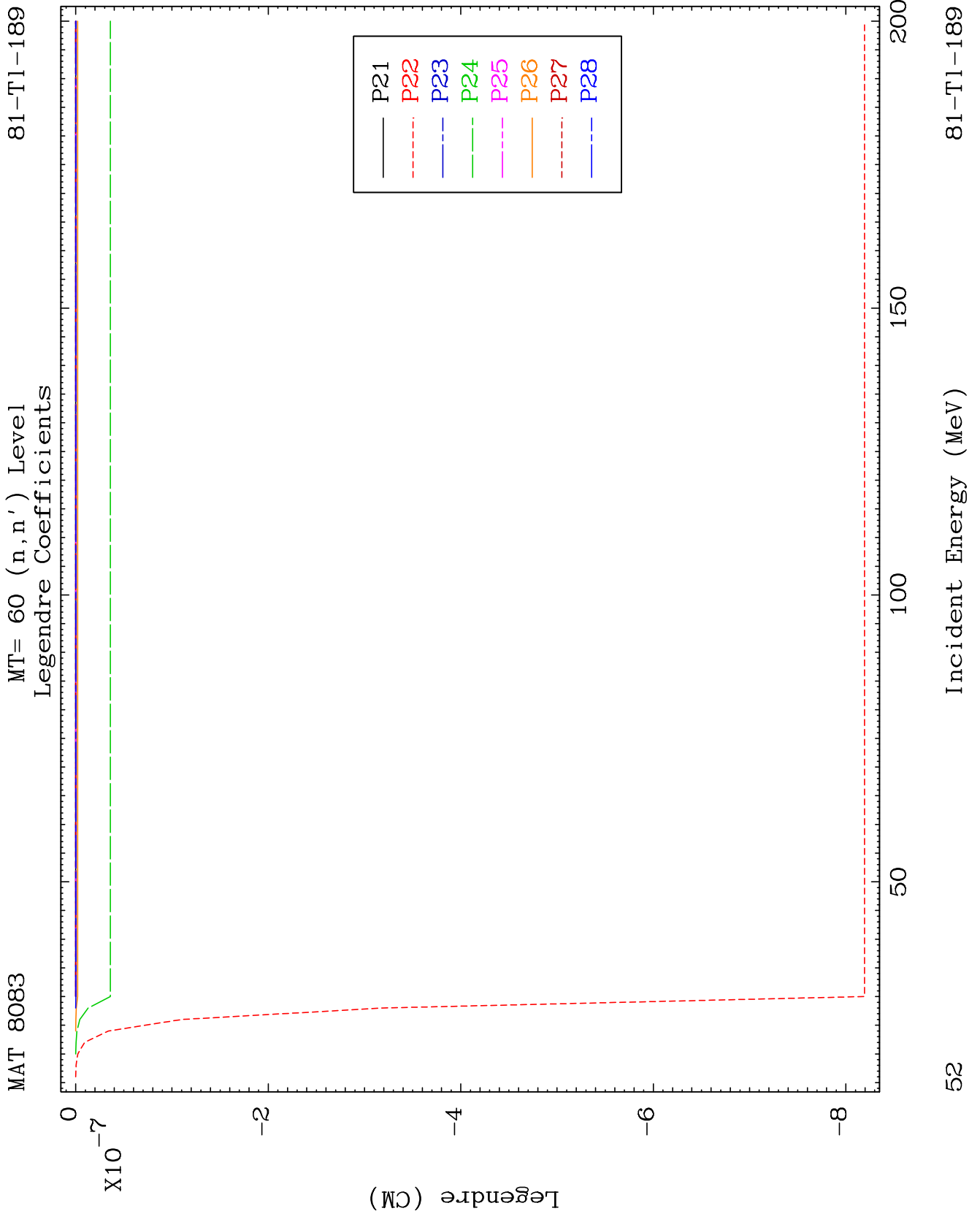
81-Tl-189



51

Incident Energy (MeV)

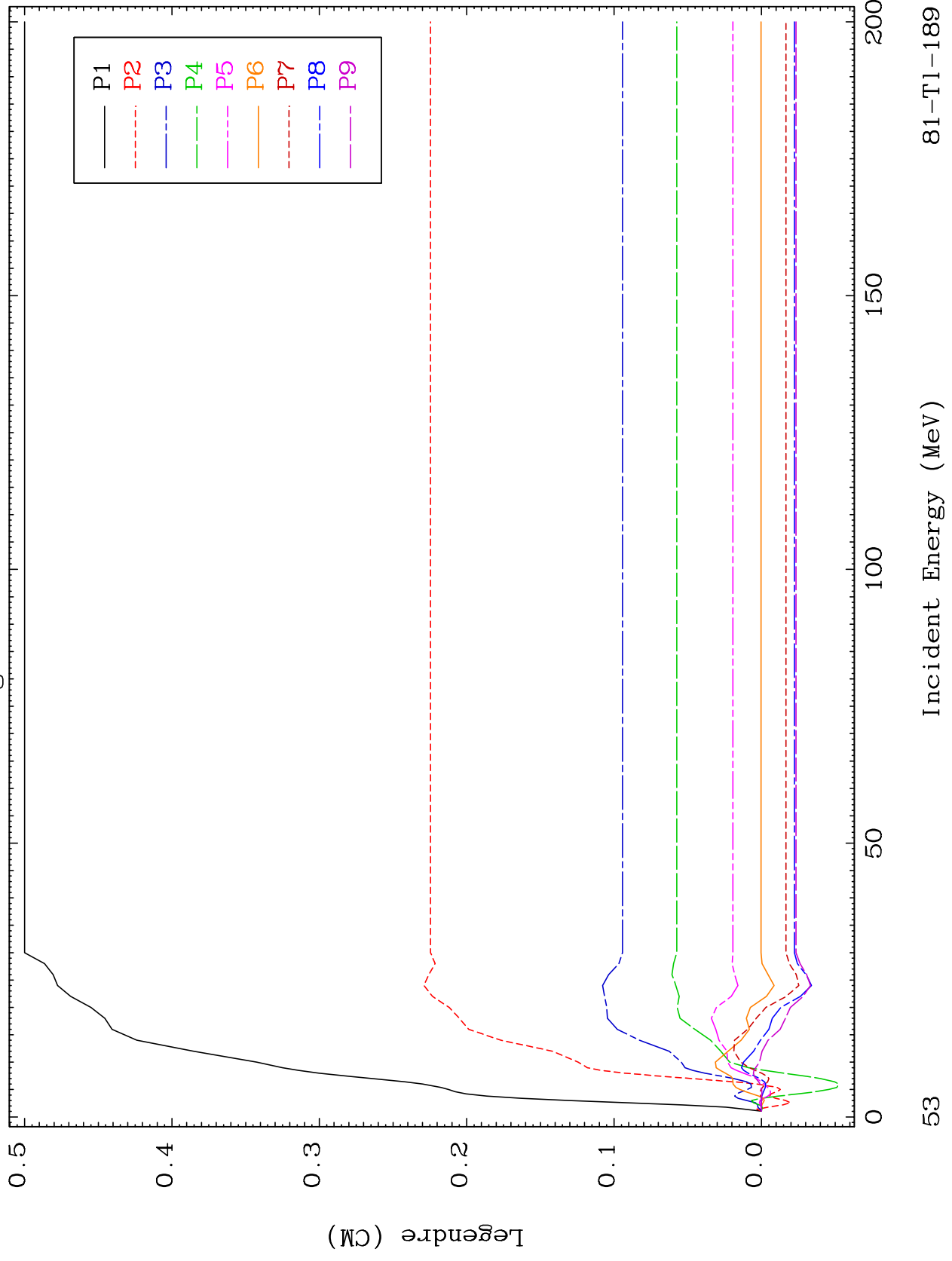
81-Tl-189



MAT 8083

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

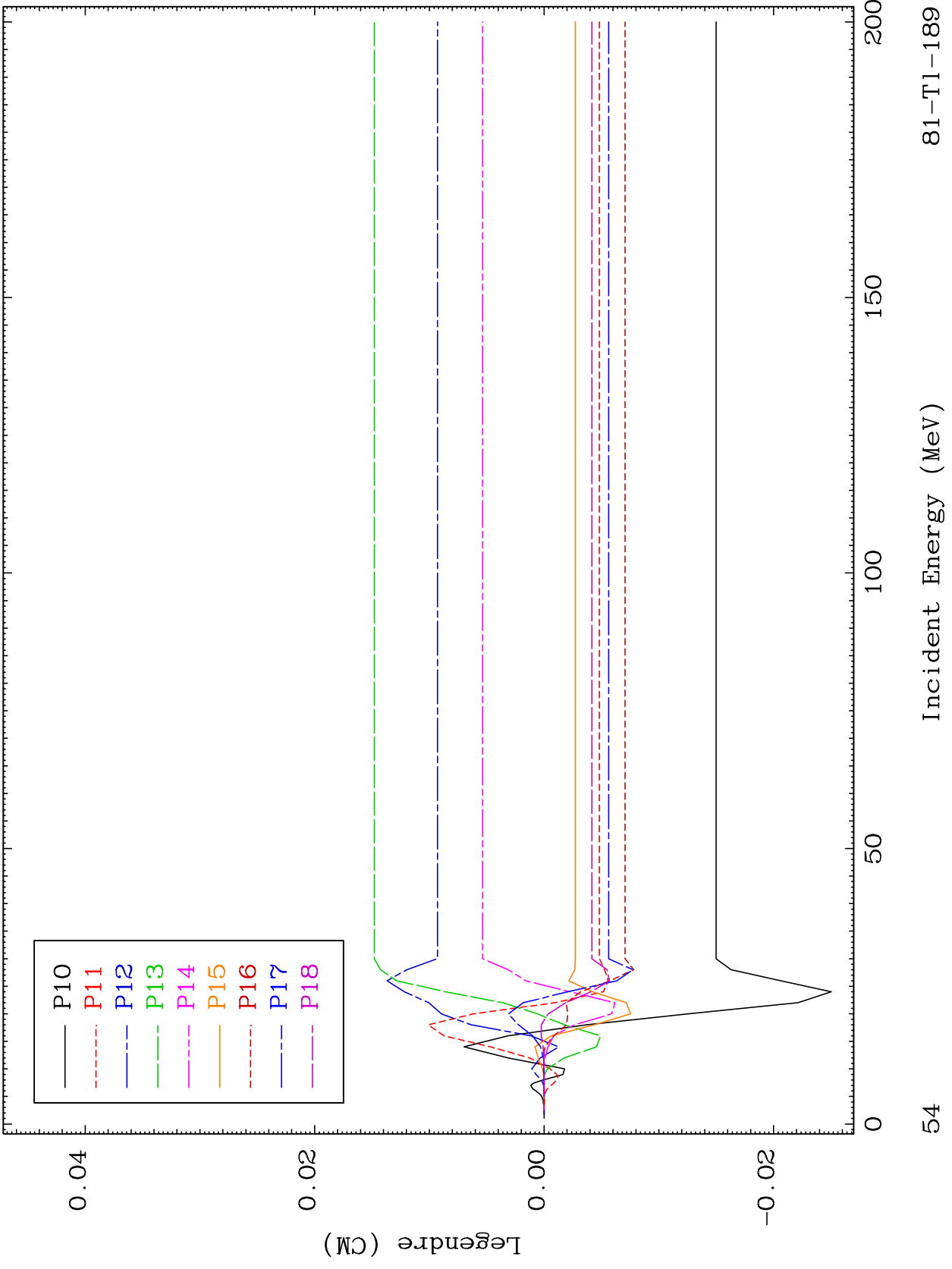
81-Tl-189



MAT 8083

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

81-Tl-189



54

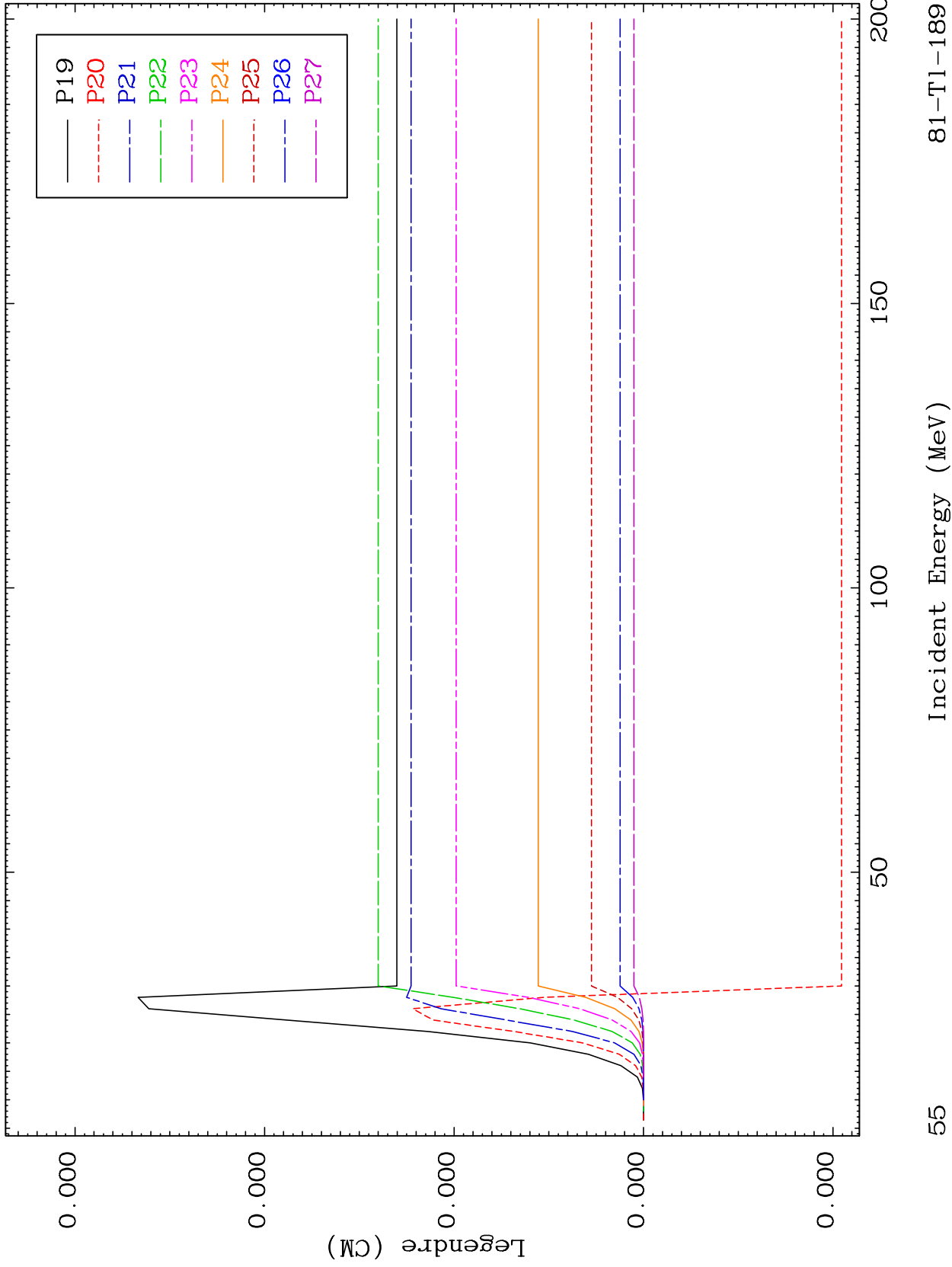
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



55

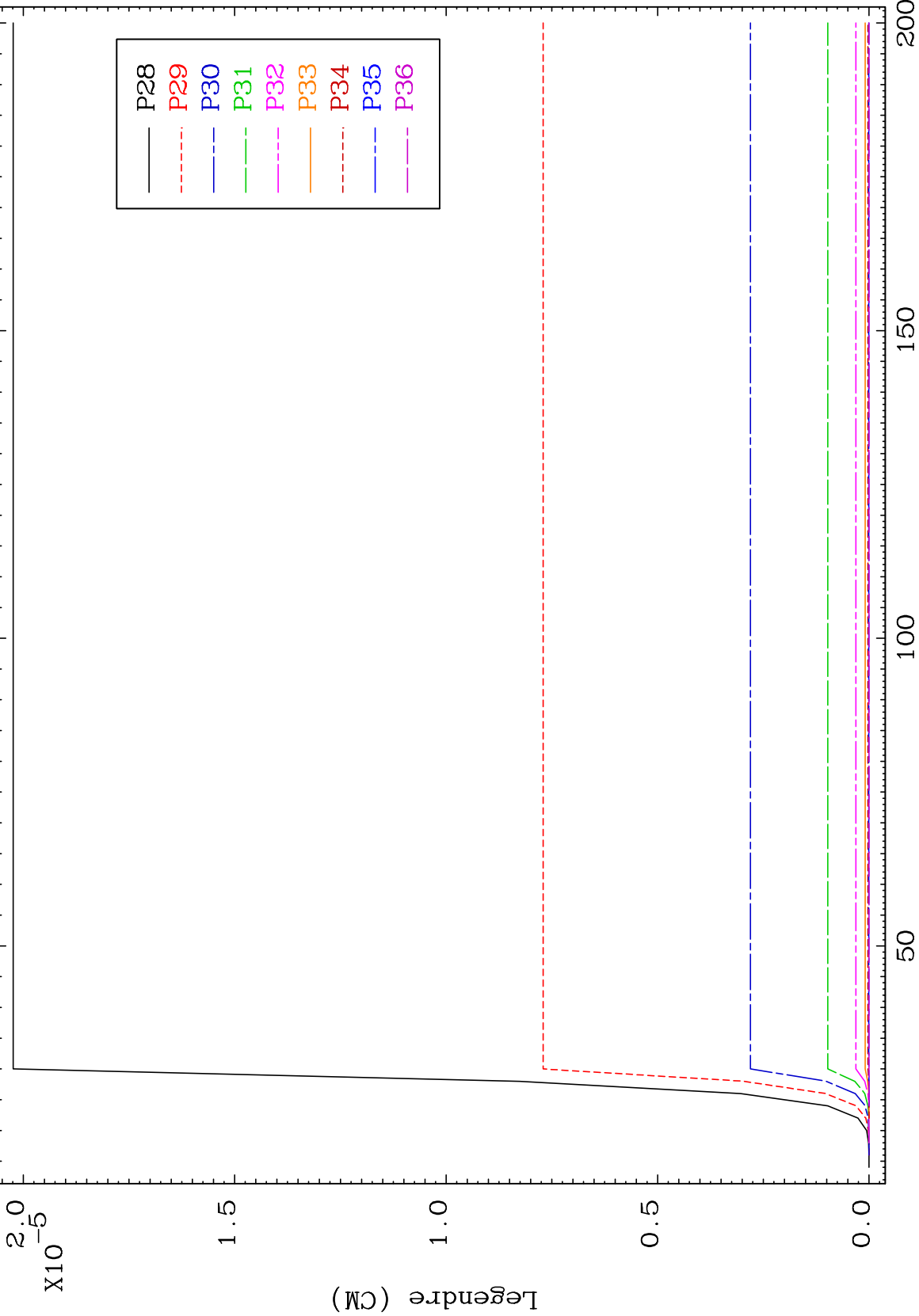
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



56

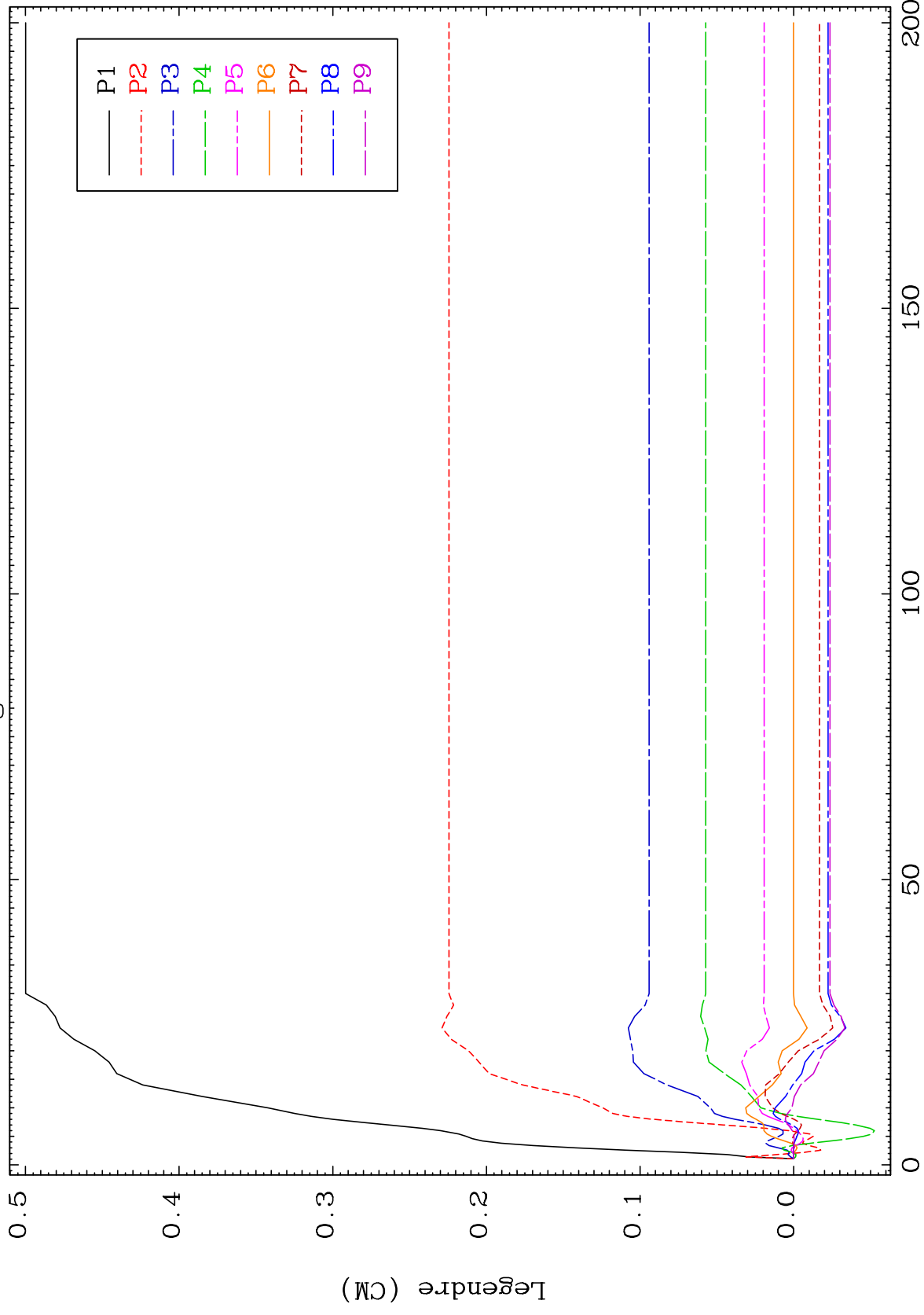
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-T1-189



57

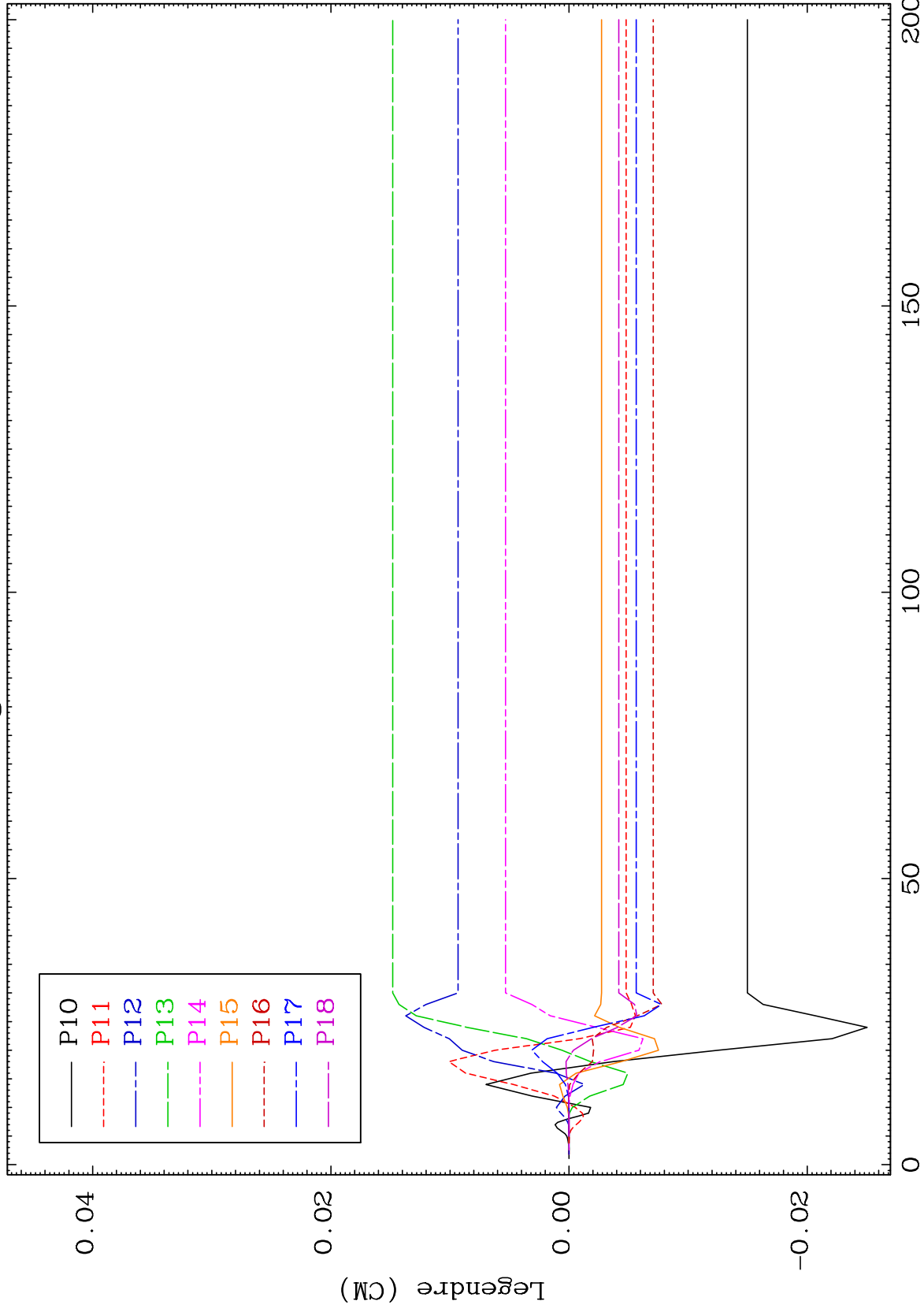
Incident Energy (MeV)

81-T1-189

MAT 8083

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

81-Tl-189



58

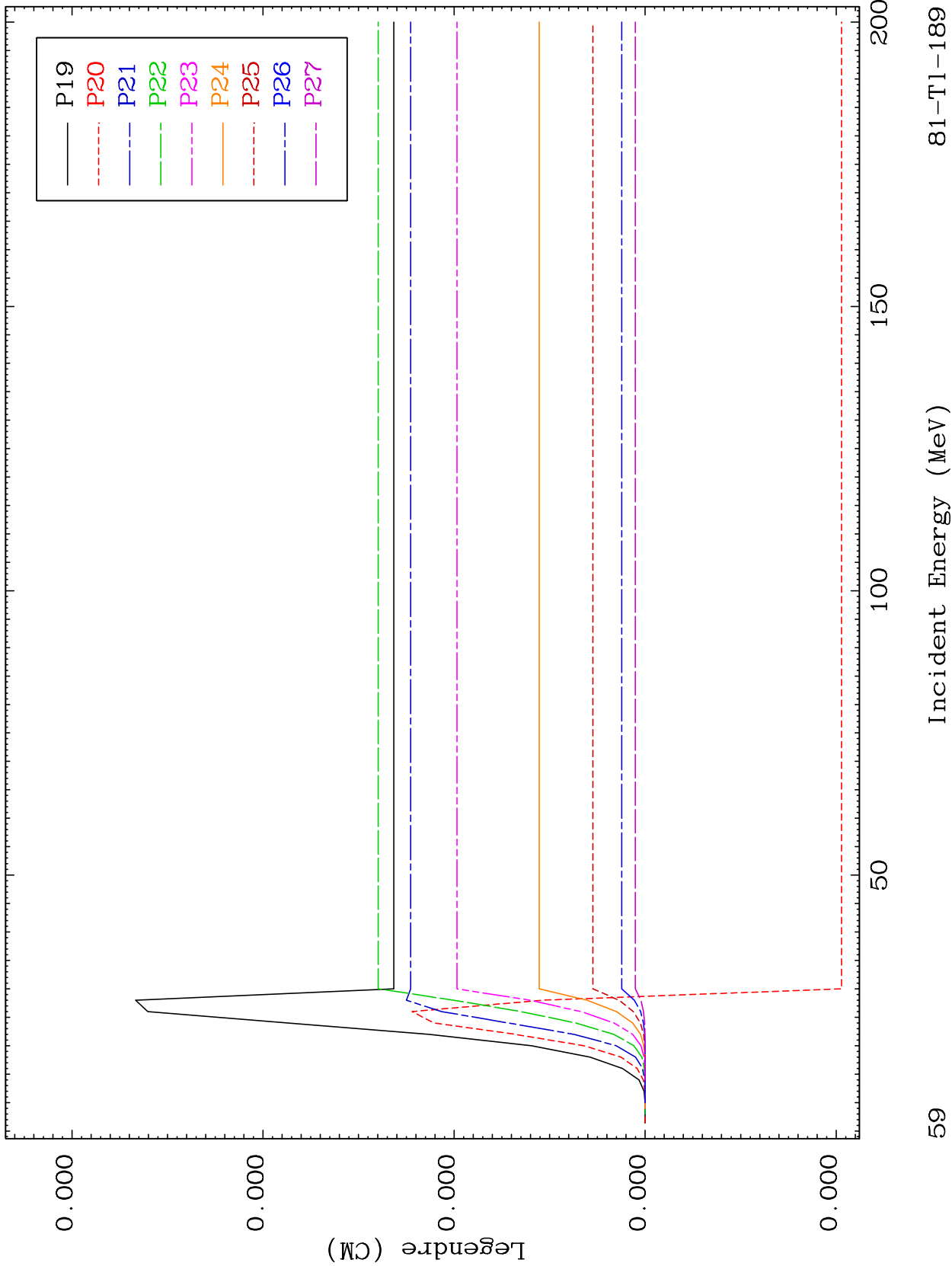
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



59

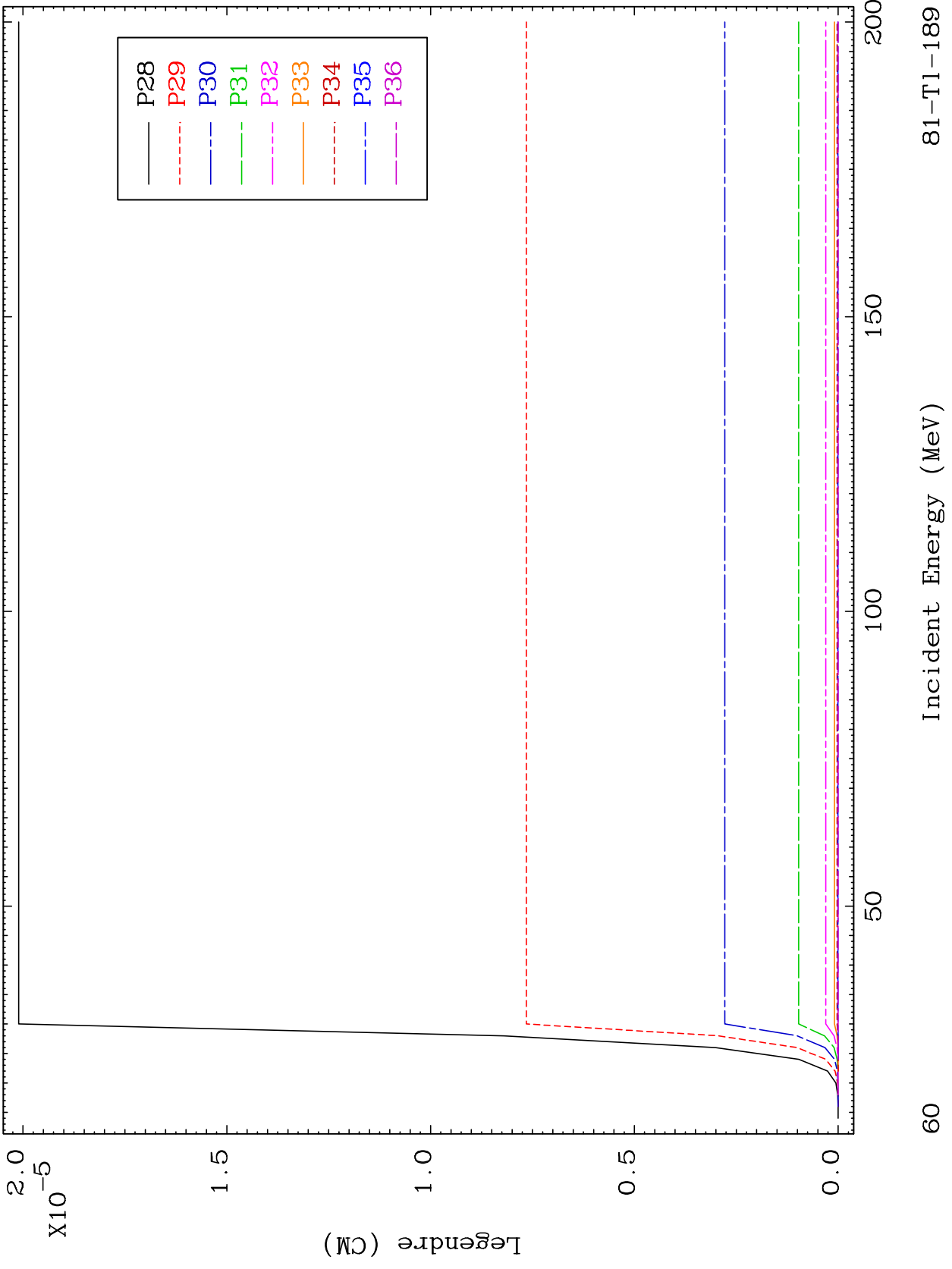
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

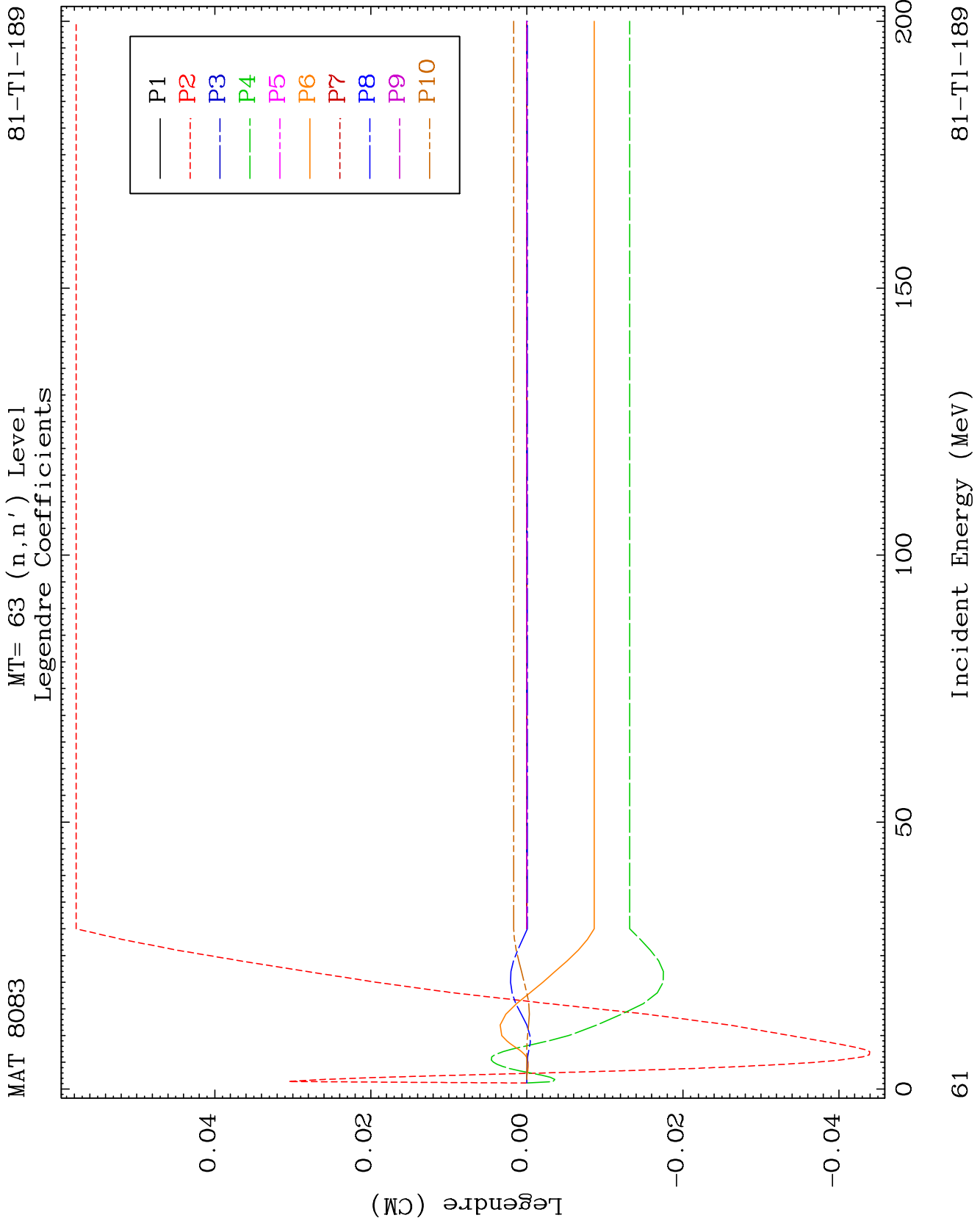
81-Tl-189



81-Tl-189

Incident Energy (MeV)

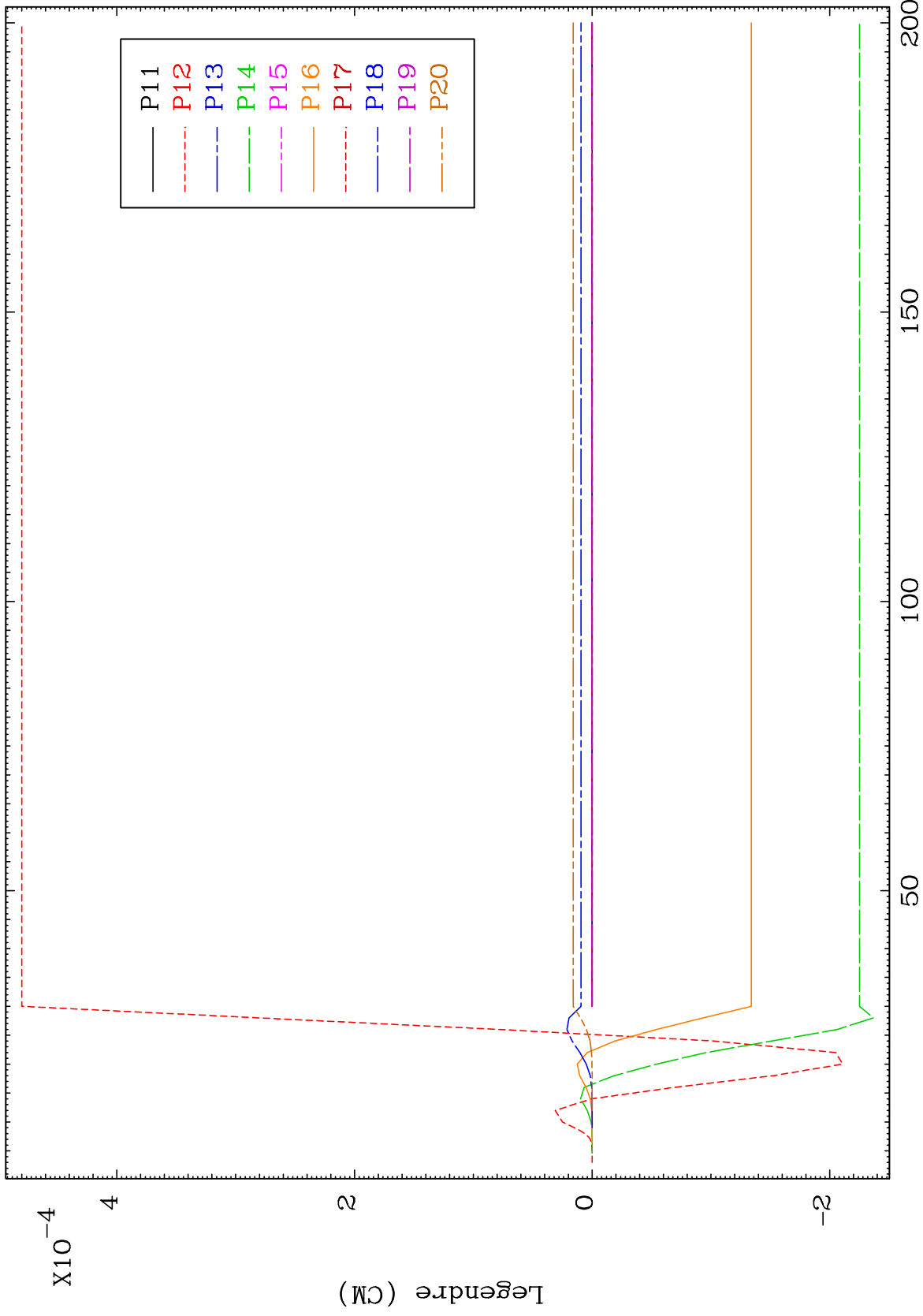
60



MAT 8083

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

81-Tl-189



62

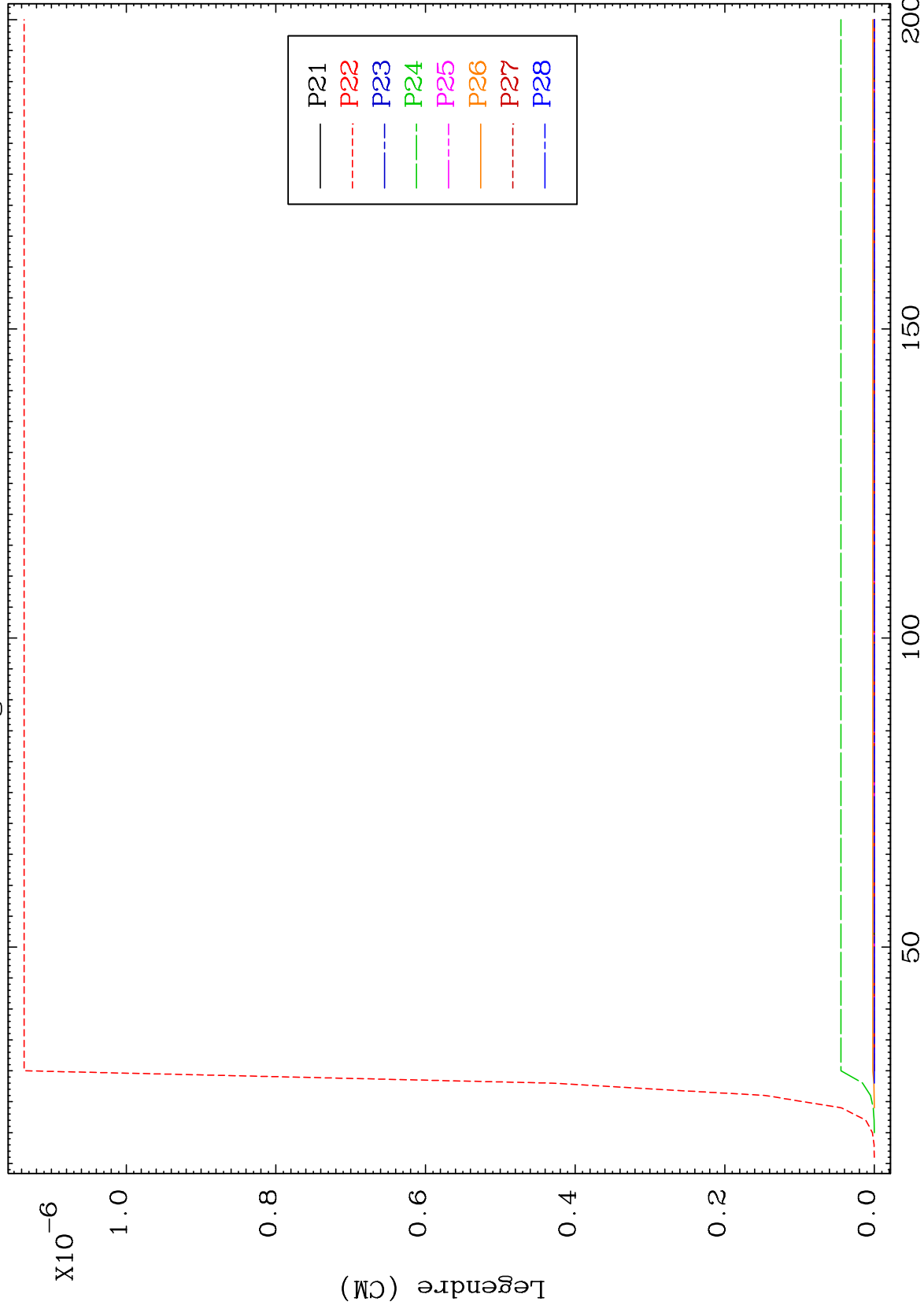
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



63

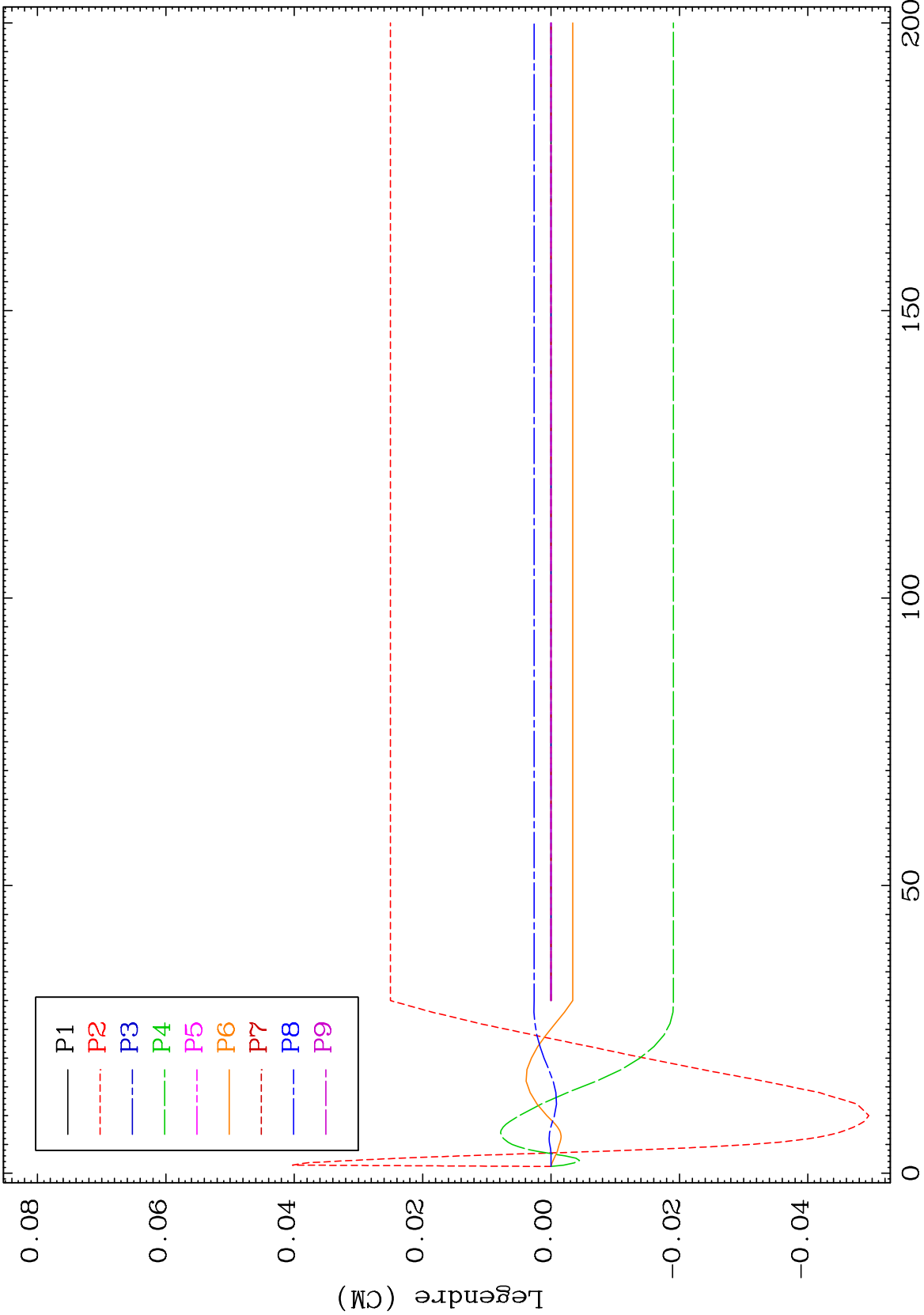
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



64

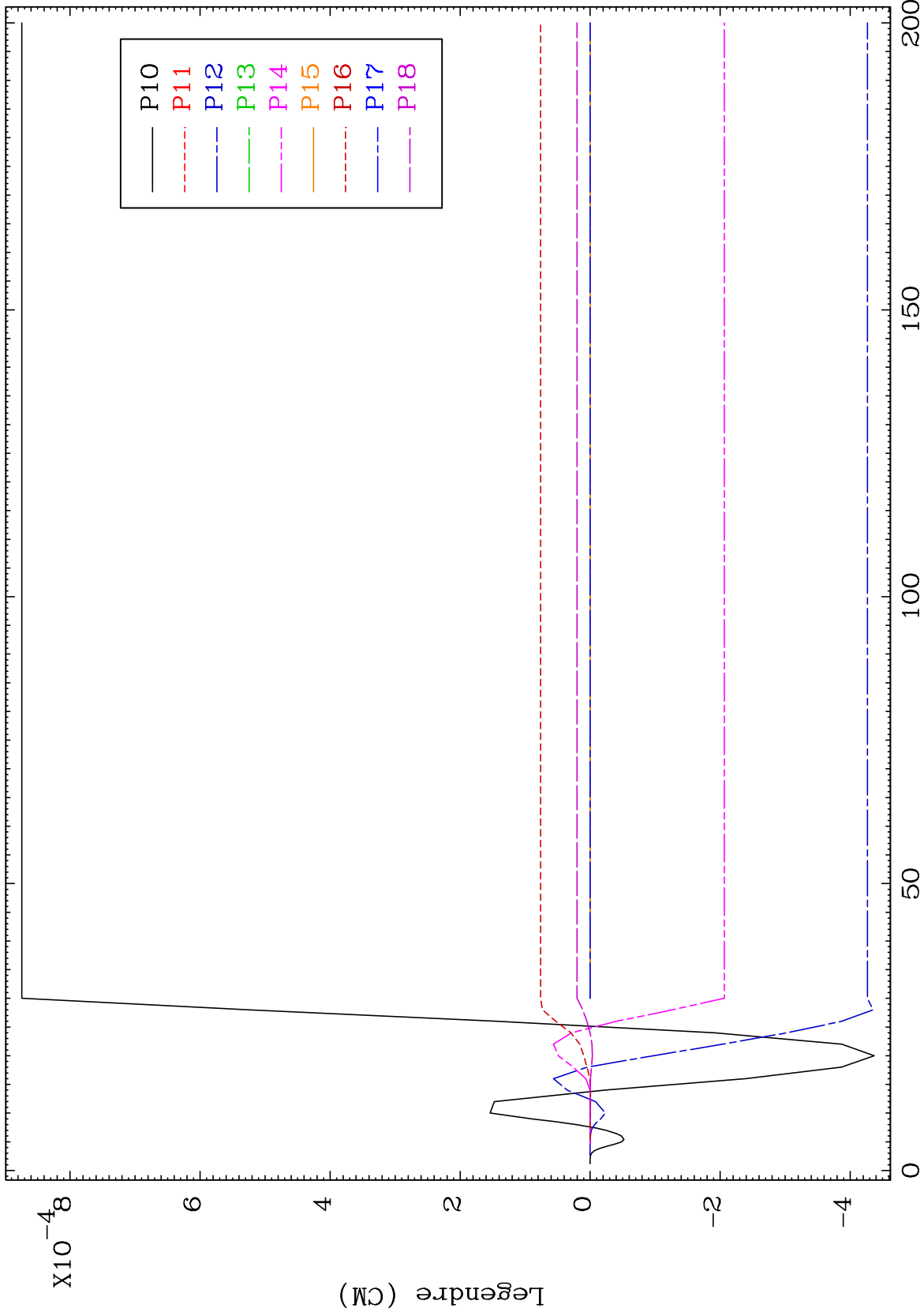
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



65

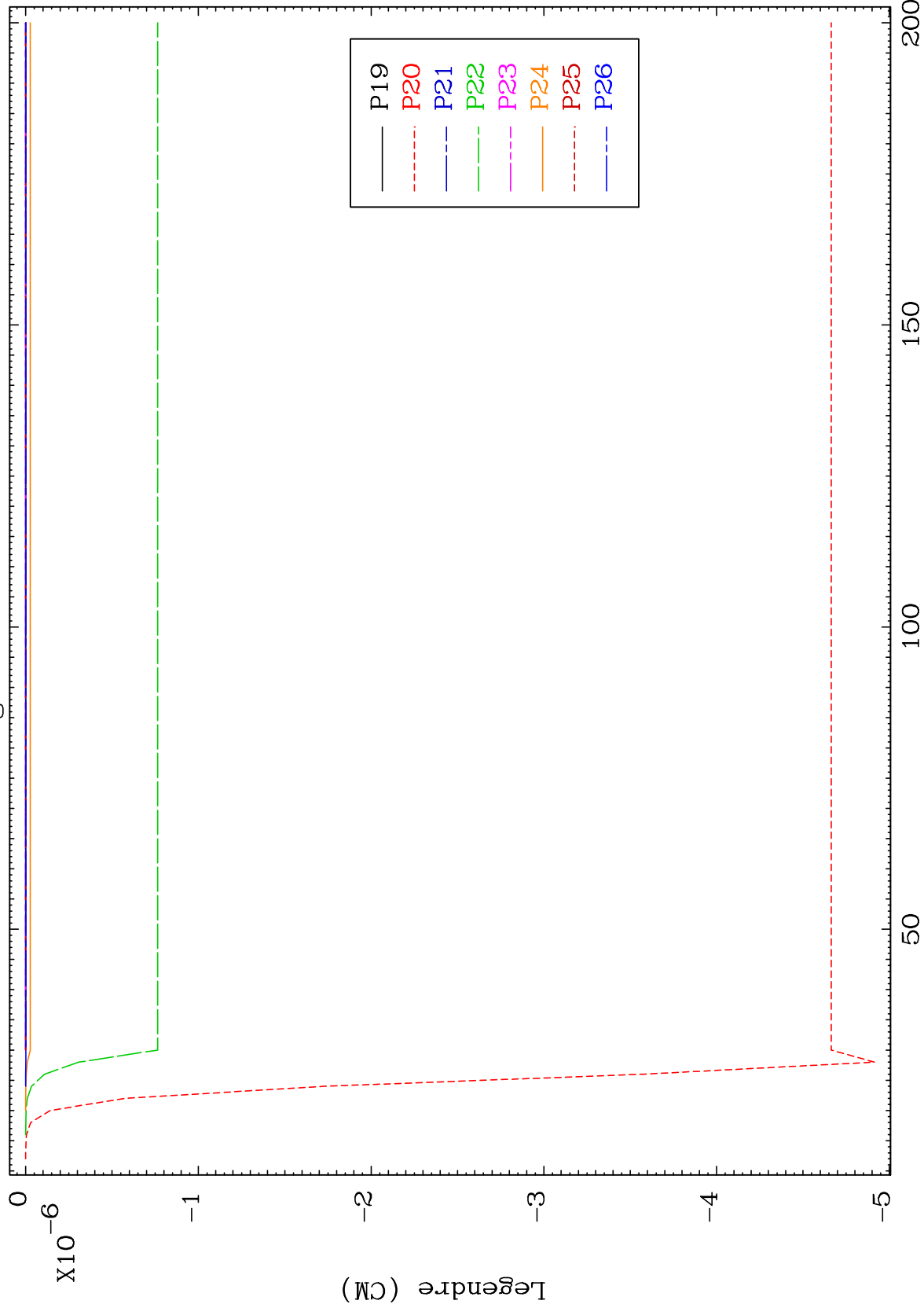
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



66

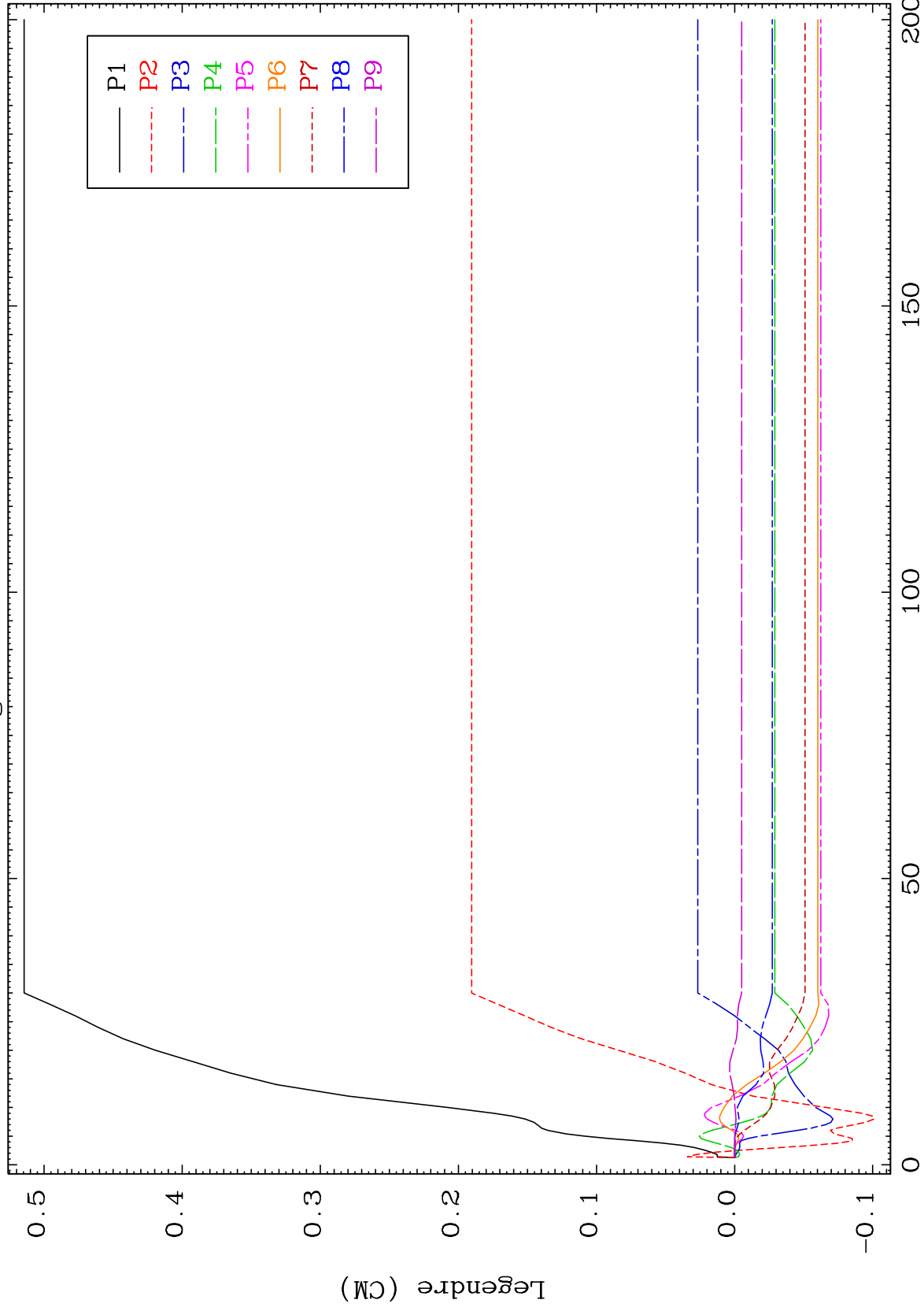
81-Tl-189

81-Tl-189

MAT 8083

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

81-Tl-189



67

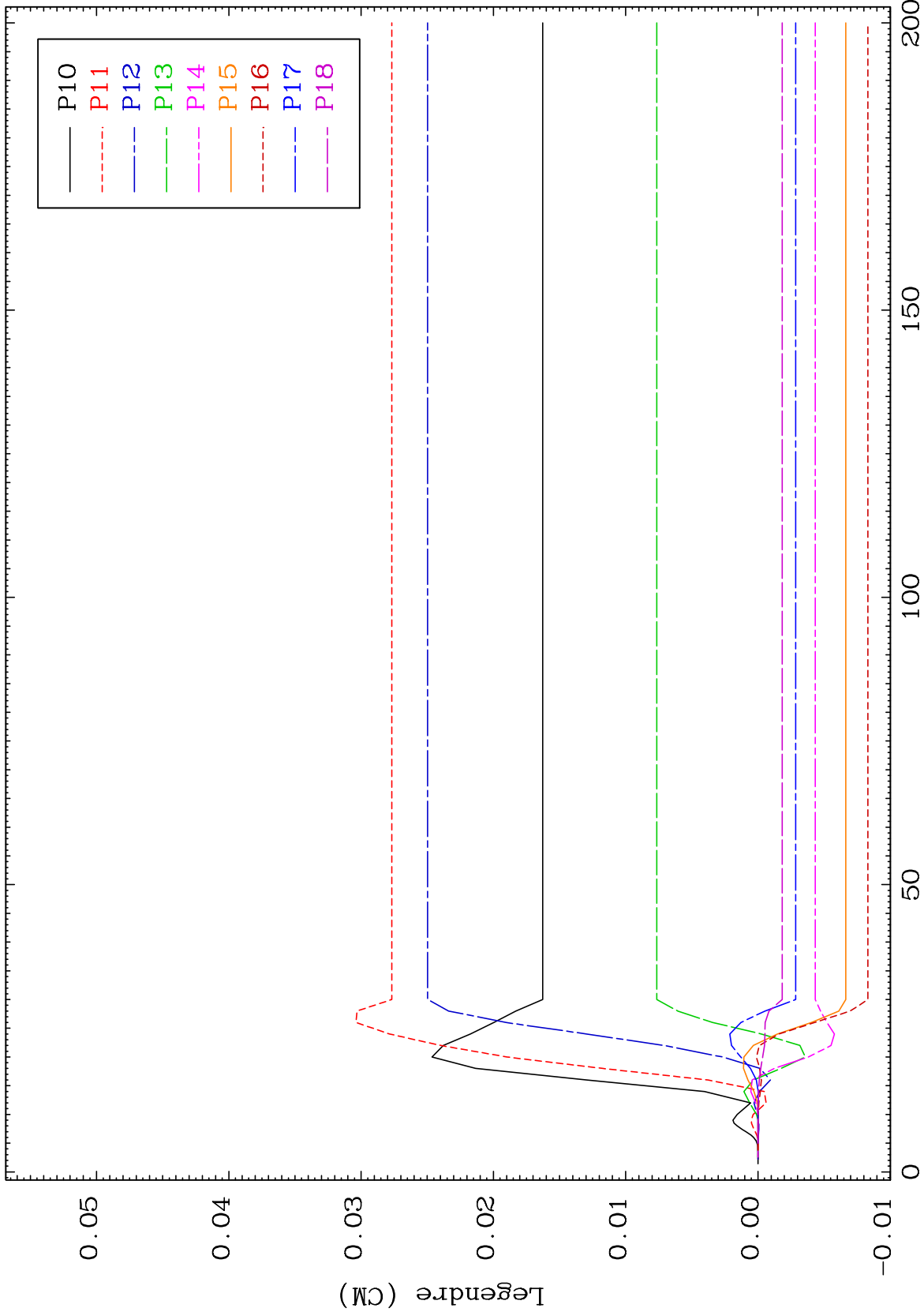
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

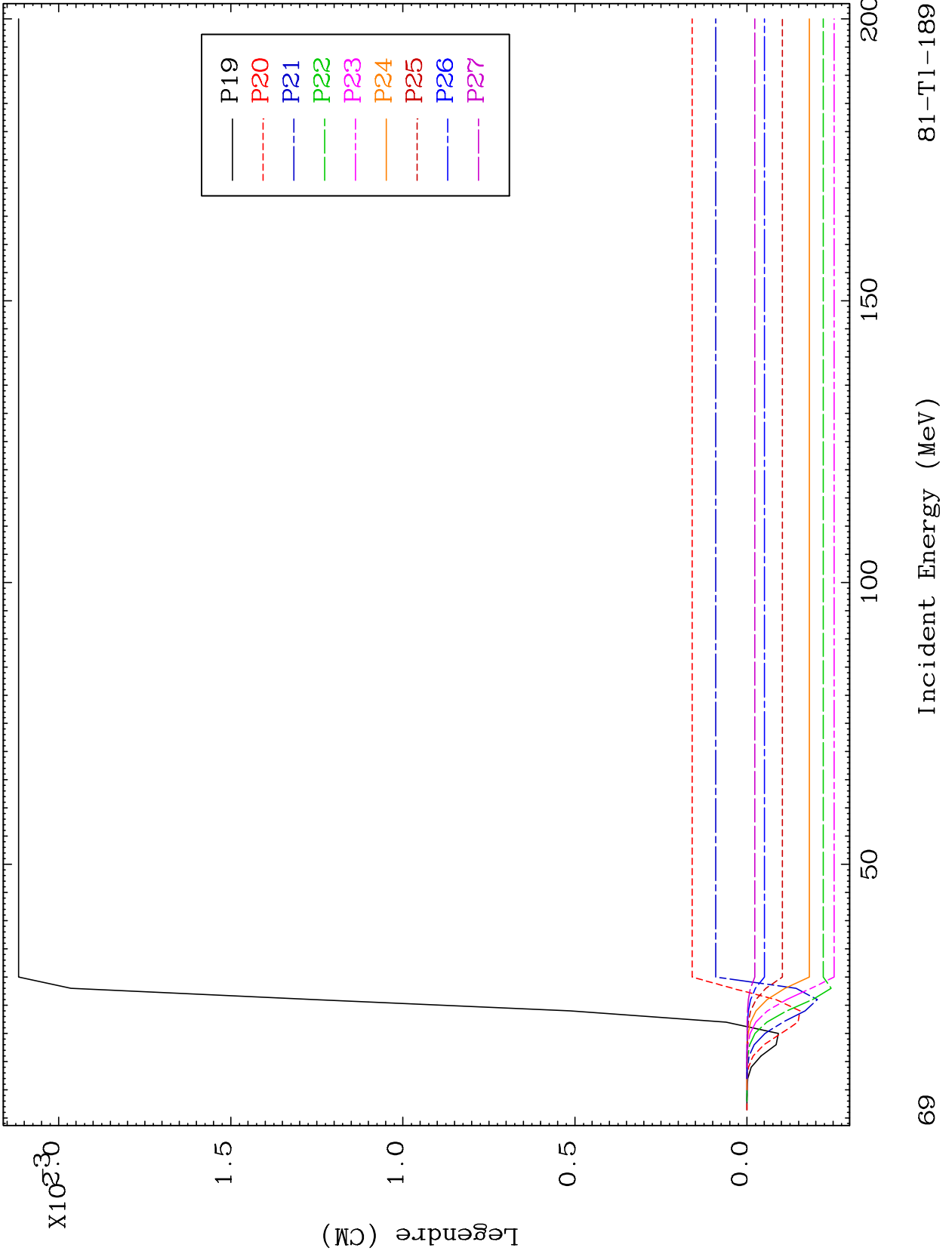
81-Tl-189

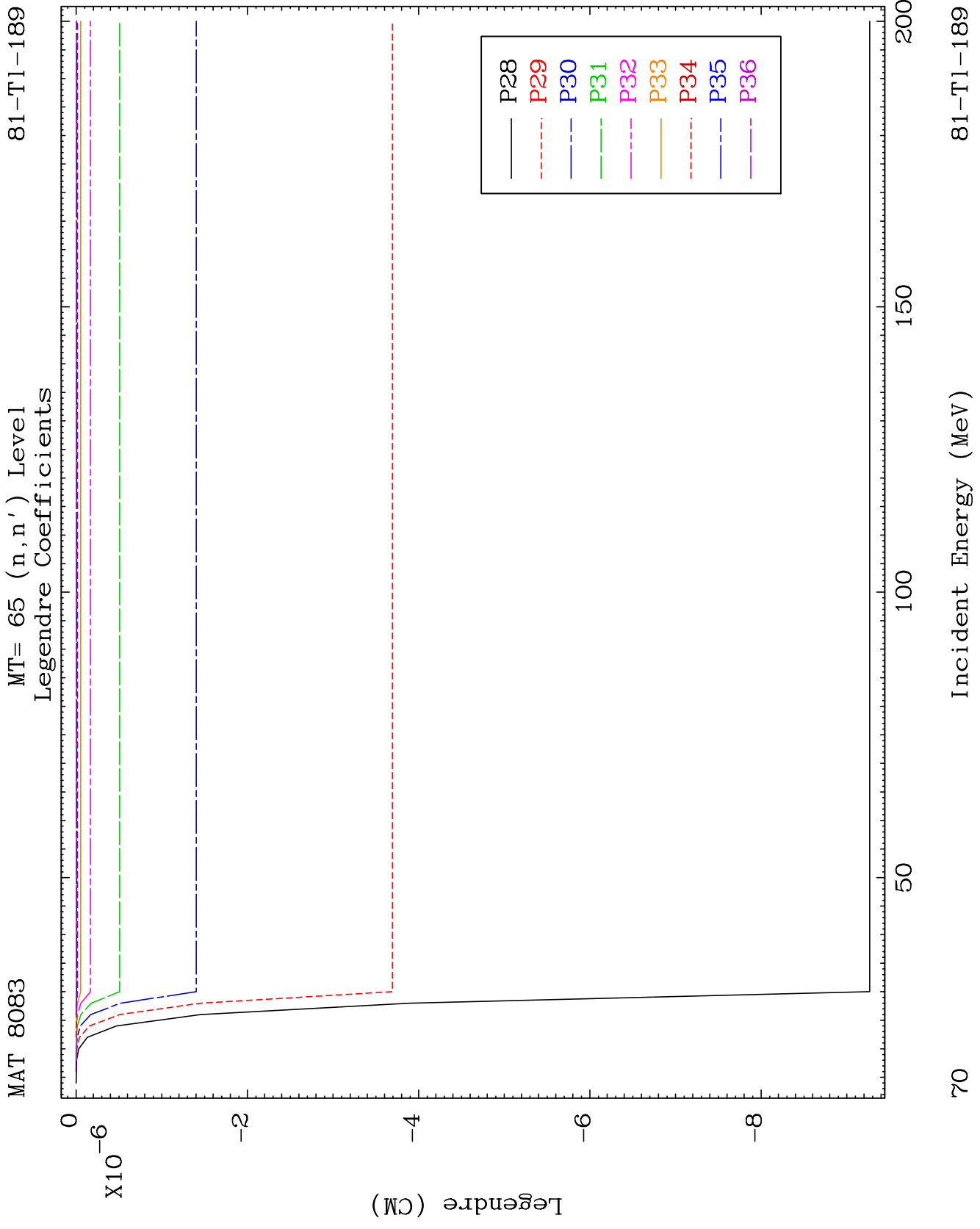


68

Incident Energy (MeV)

81-Tl-189

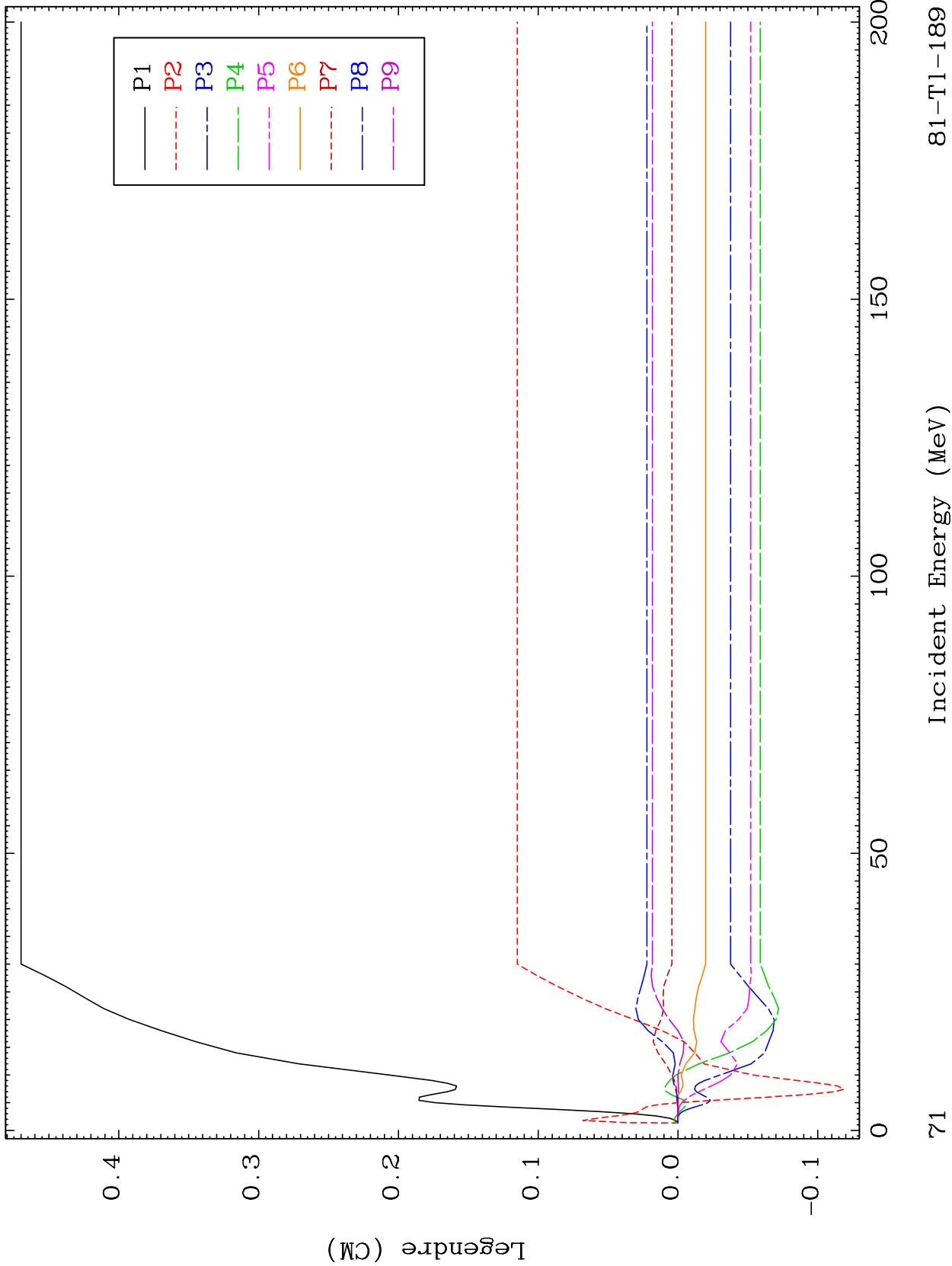




MAT 8083

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

81-Tl-189



81-Tl-189

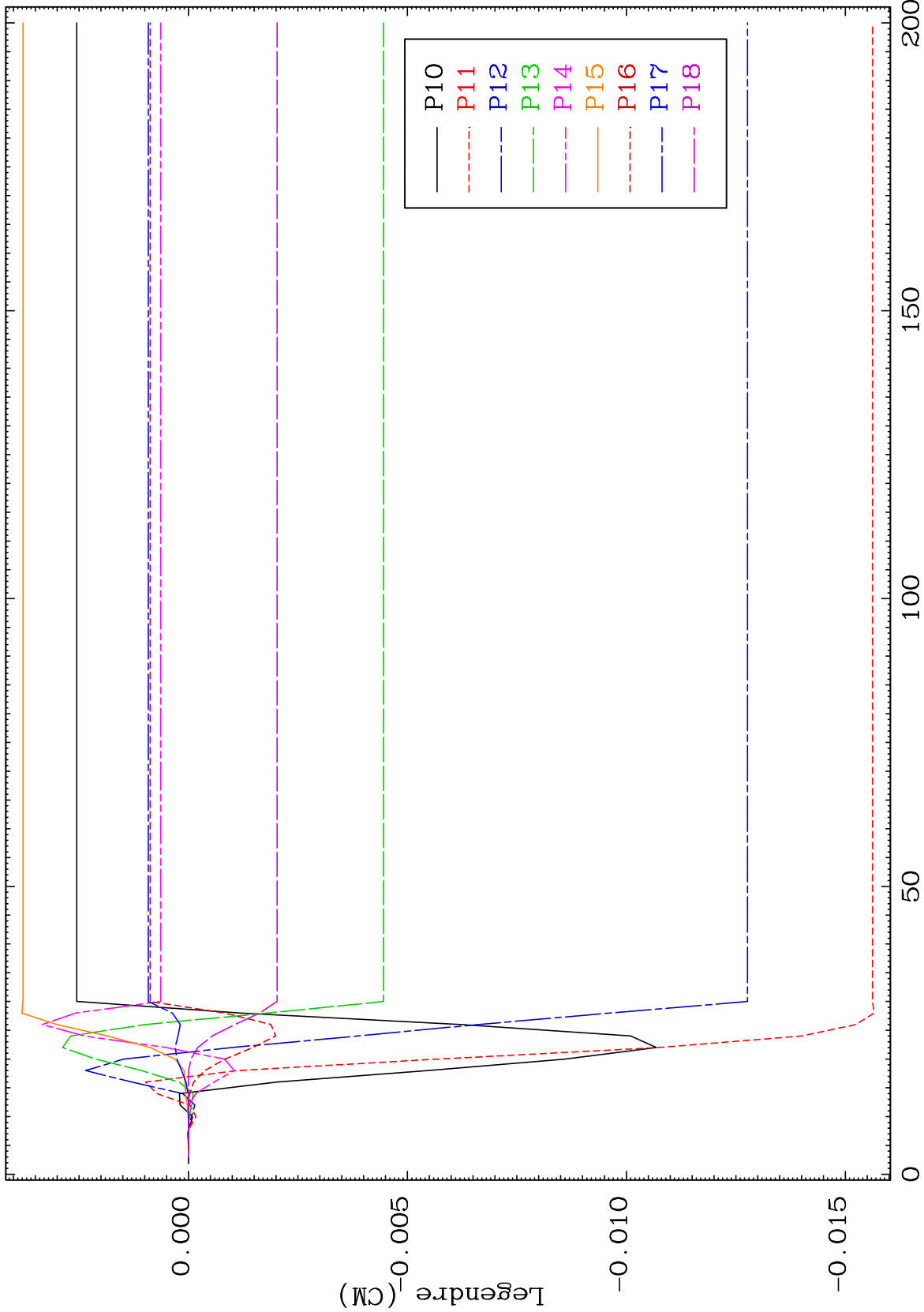
Incident Energy (MeV)

71

MAT 8083

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

81-Tl-189



72

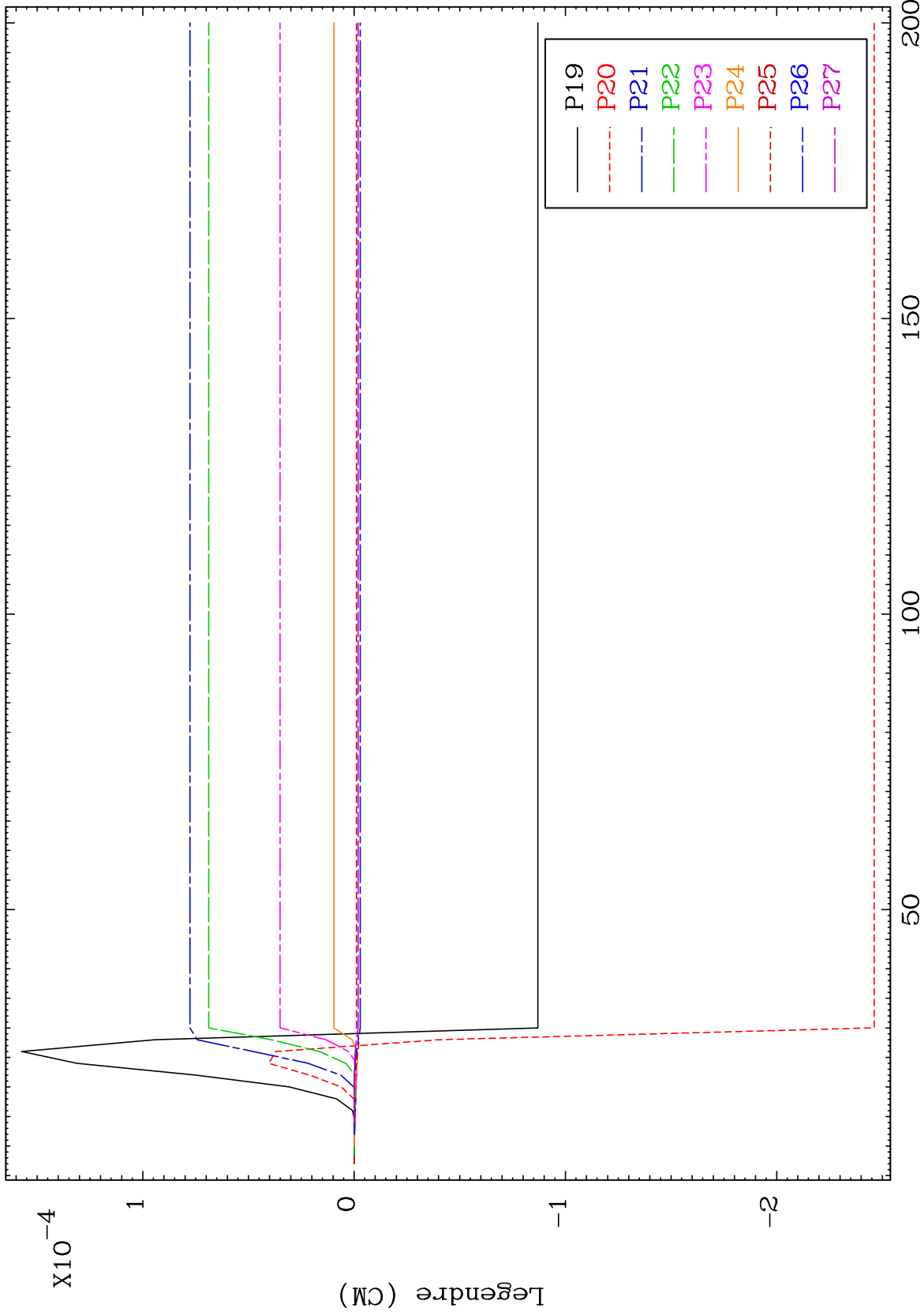
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



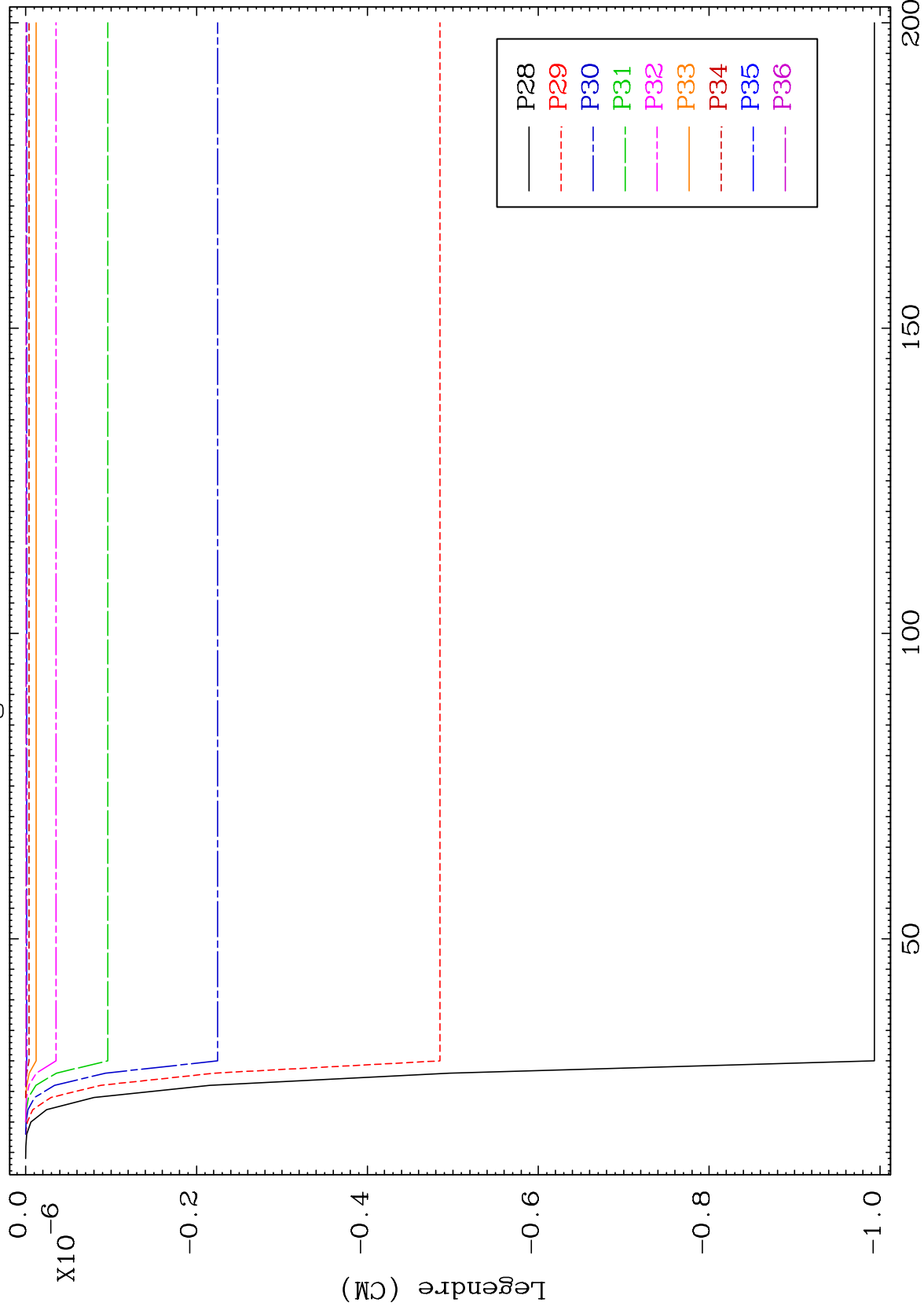
73

81-Tl-189

MAT 8083

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

81-Tl-189



74

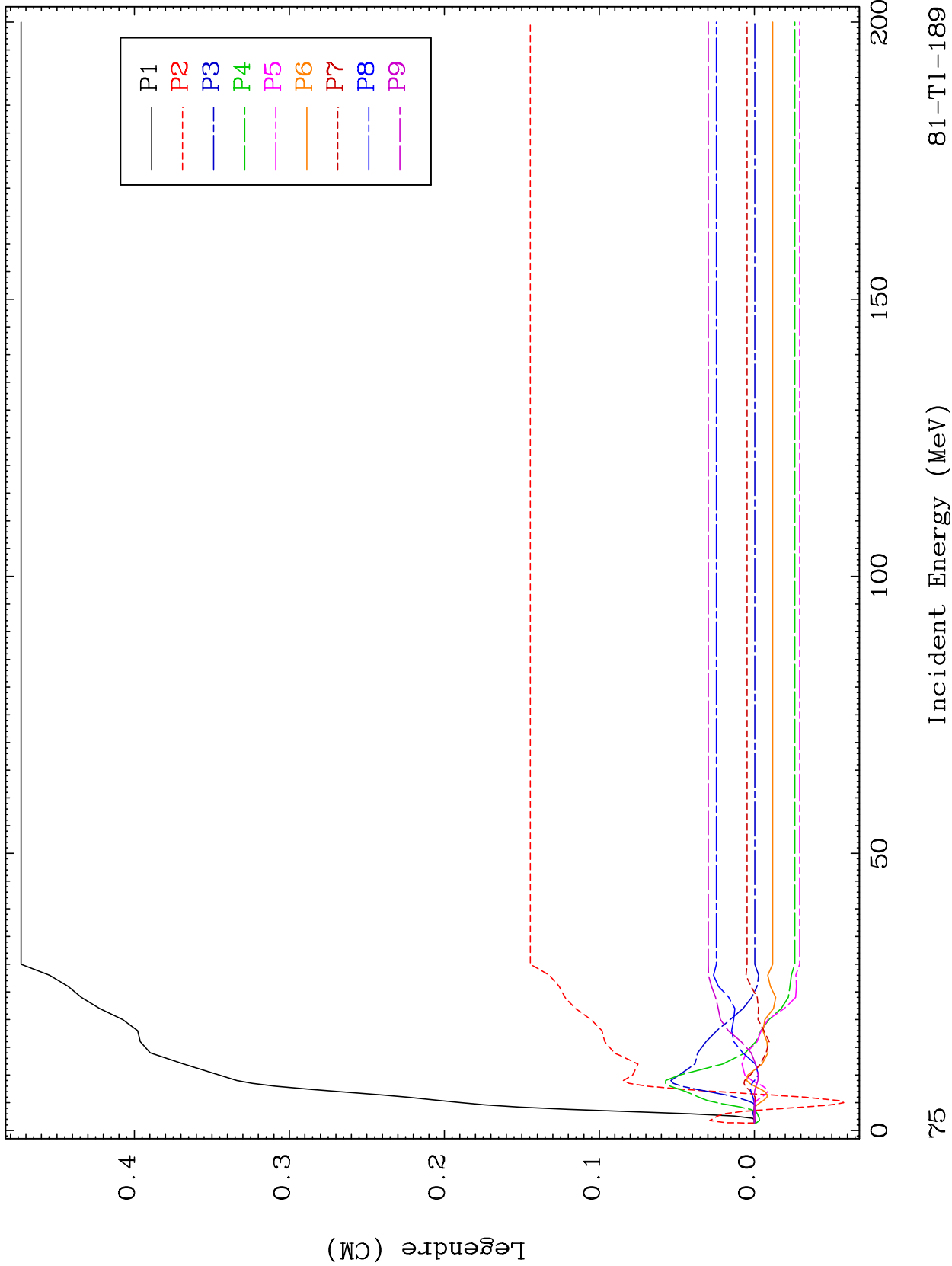
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



81-Tl-189

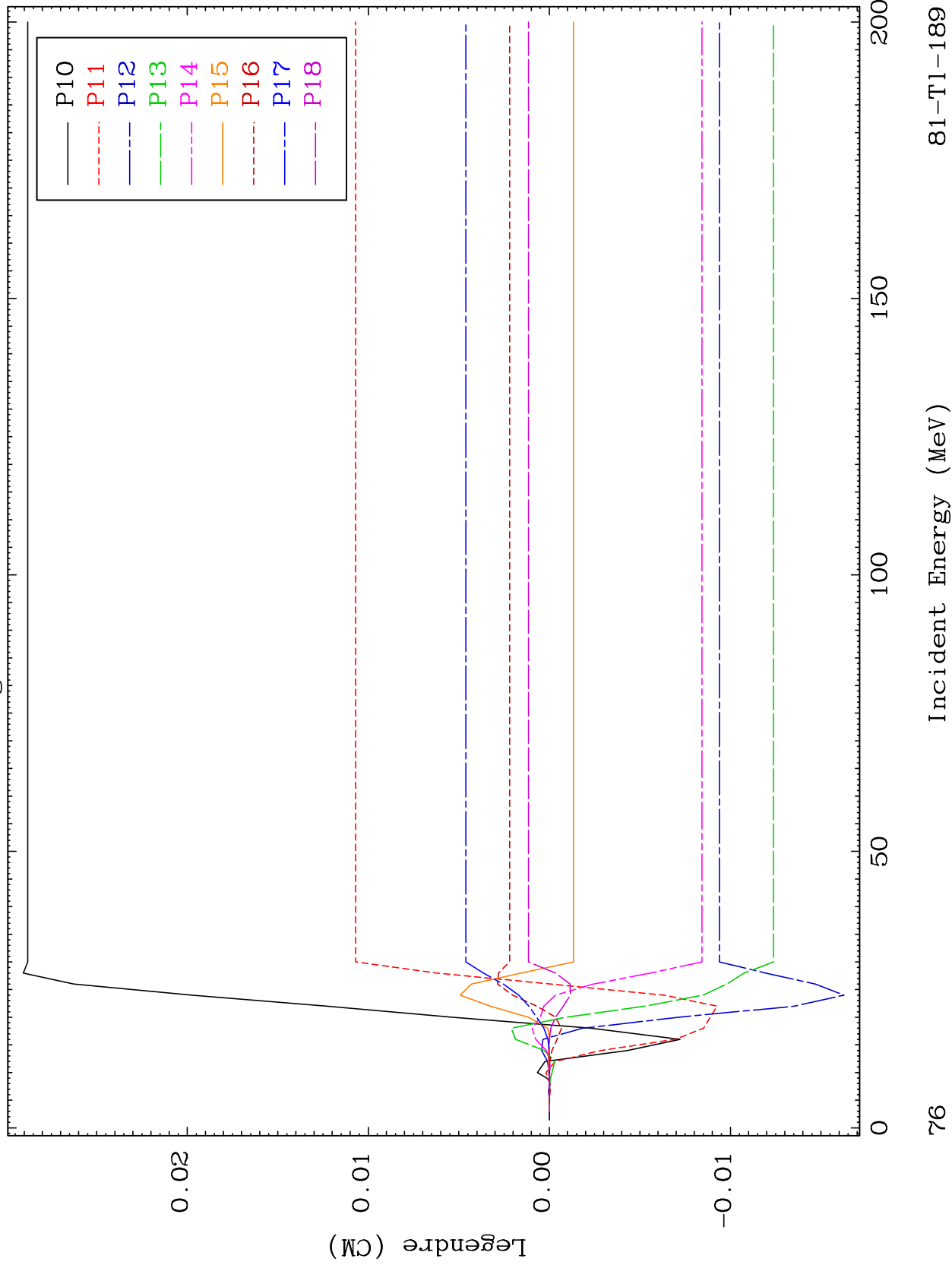
Incident Energy (MeV)

75

MAT 8083

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

81-Tl-189



76

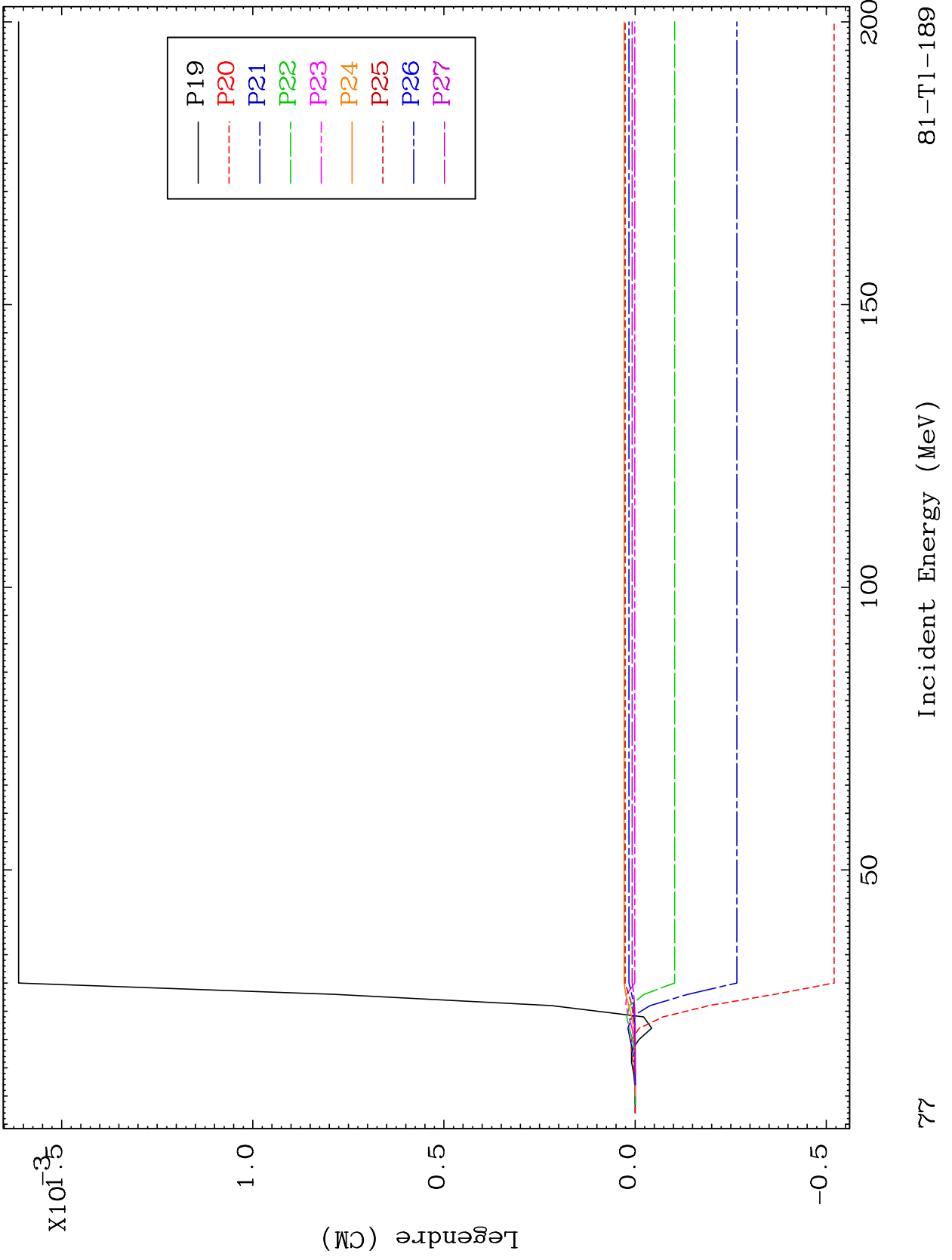
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



77

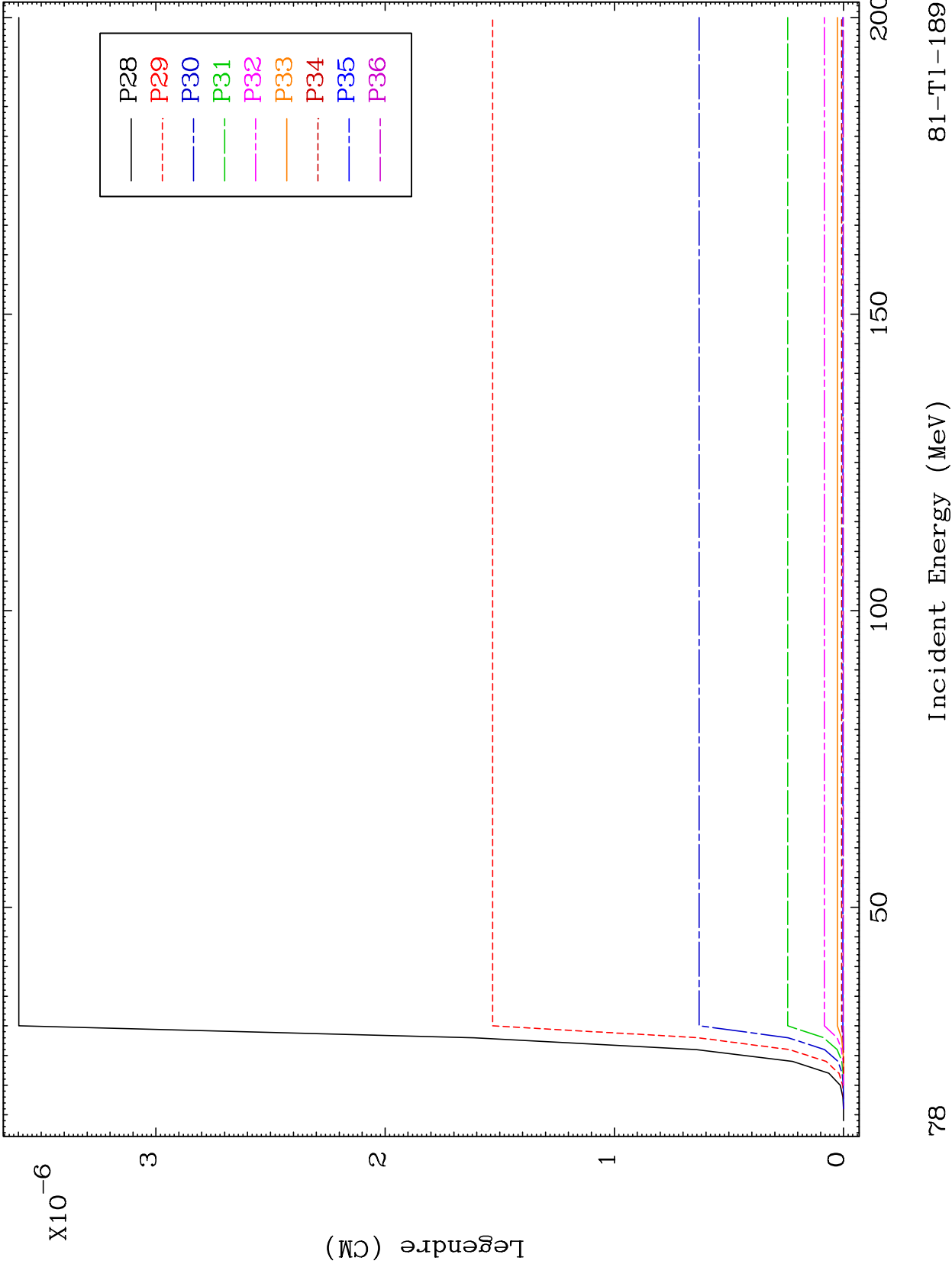
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



78

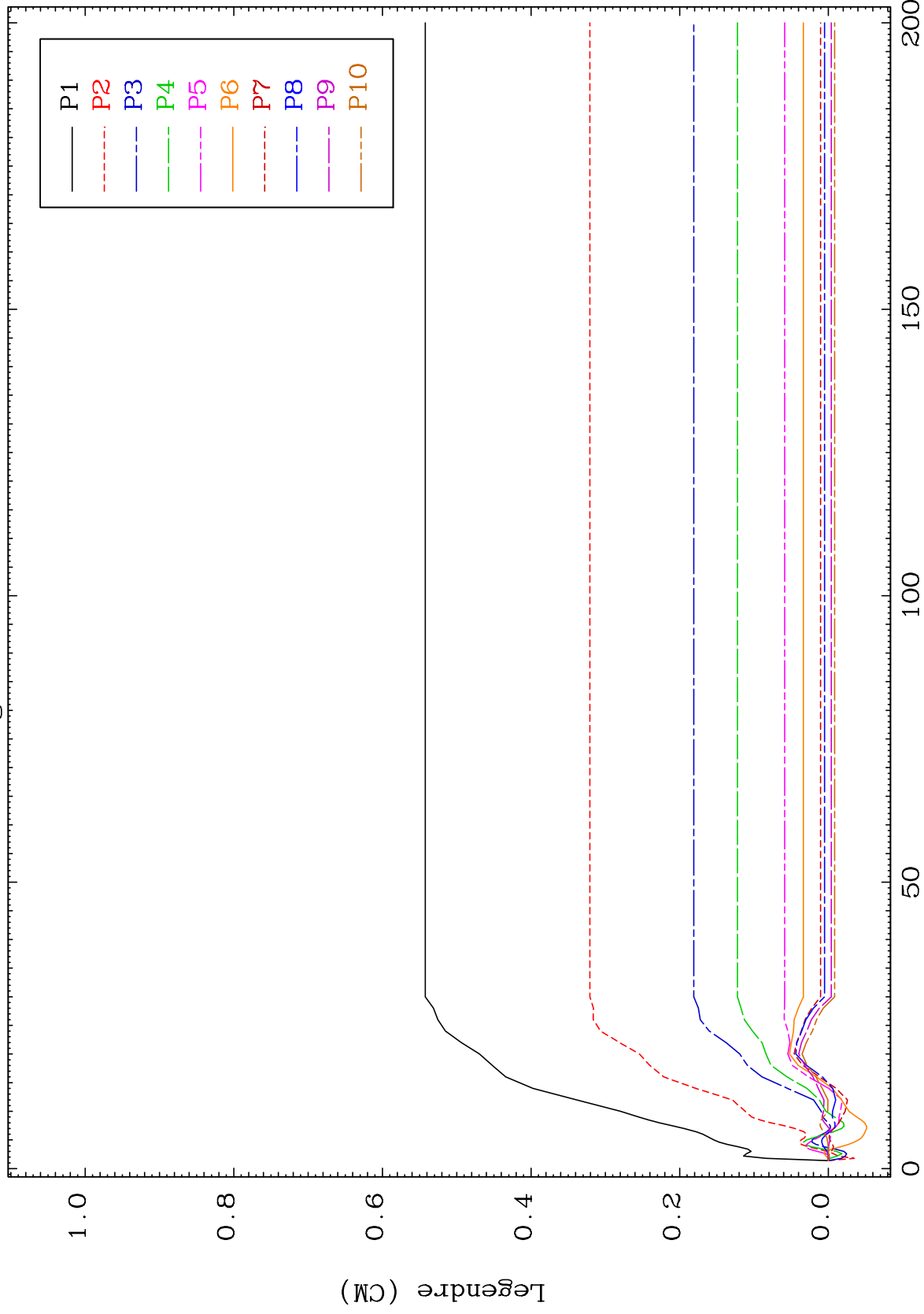
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



79

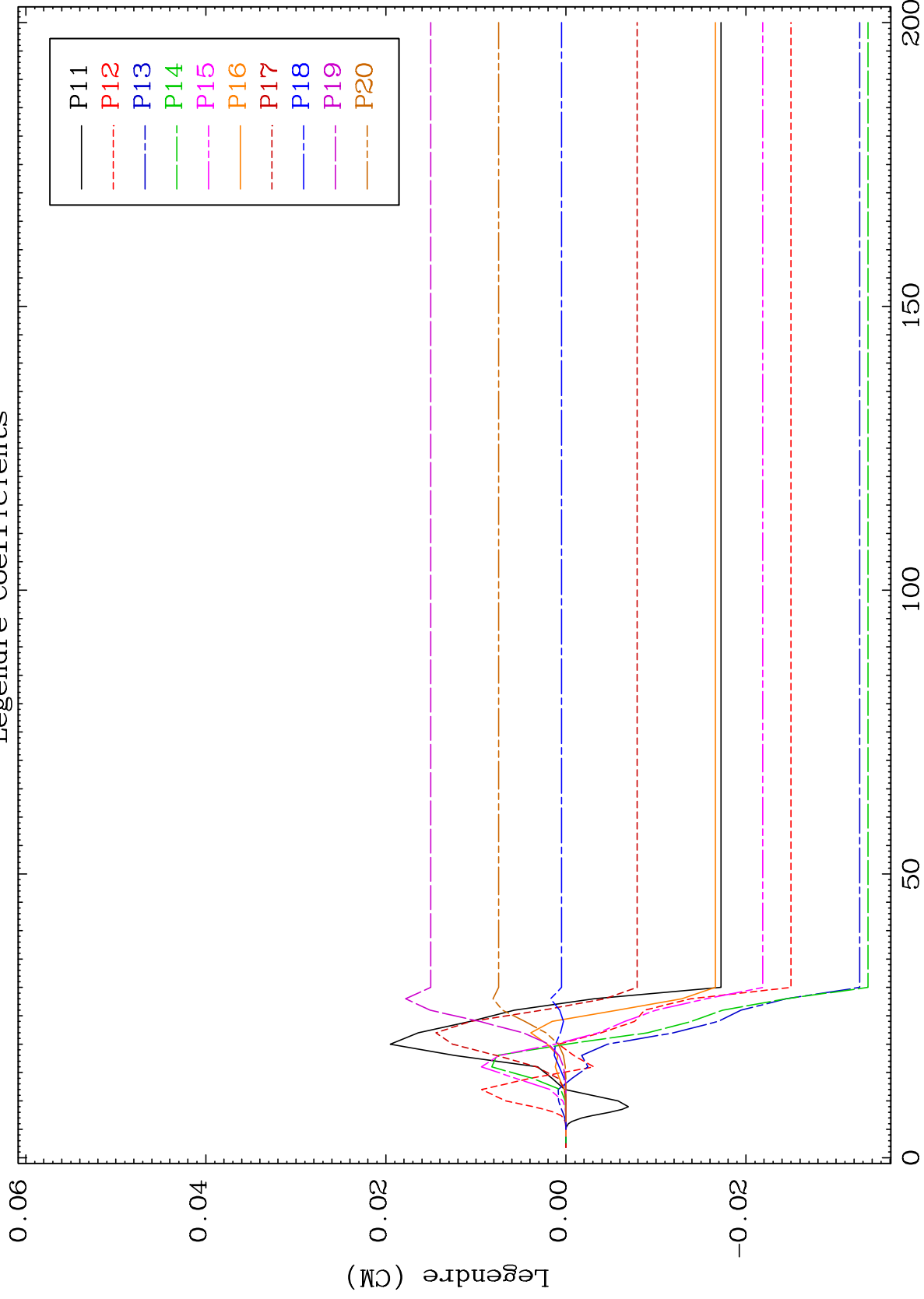
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

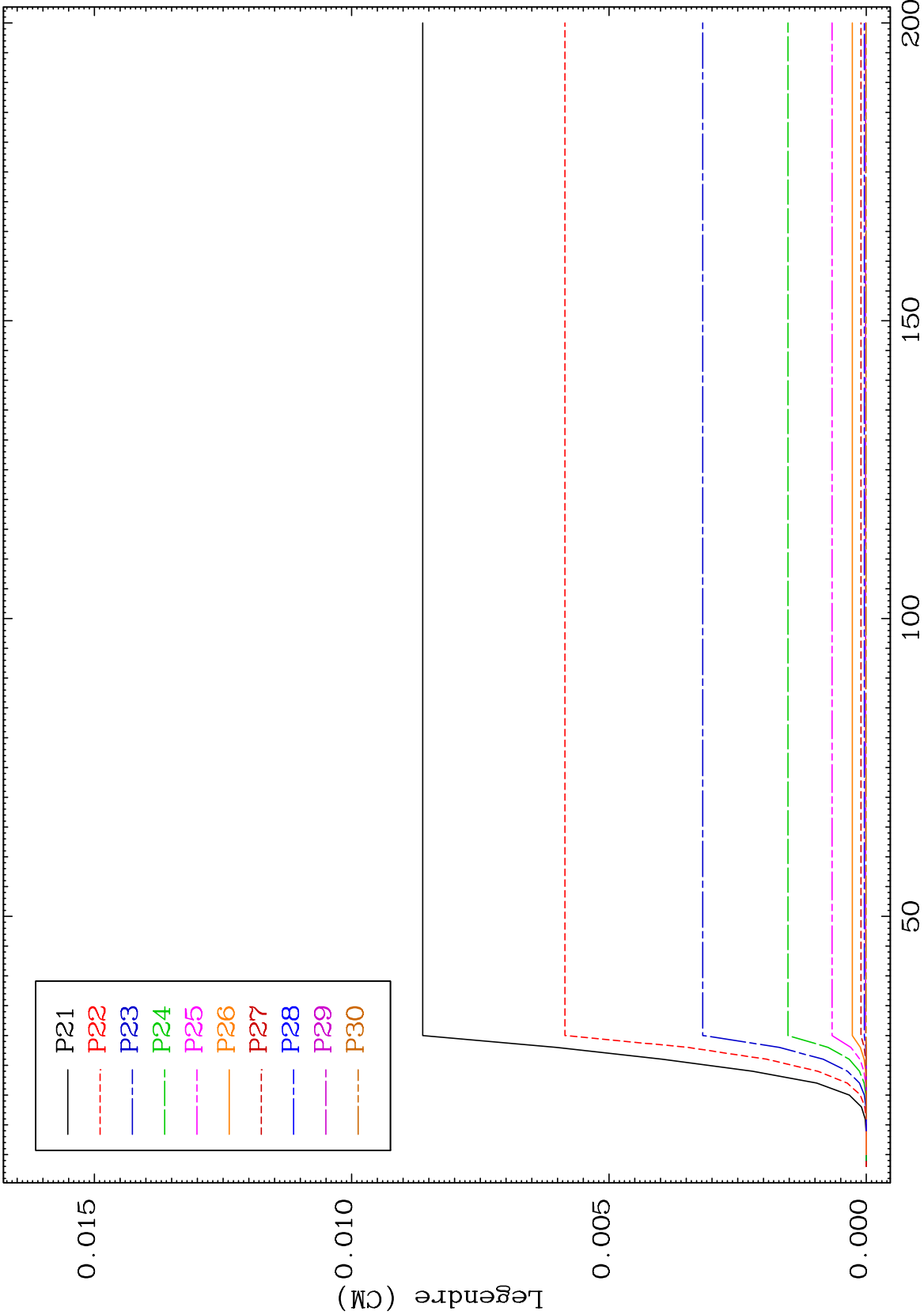
81-Tl-189



80

Incident Energy (MeV)

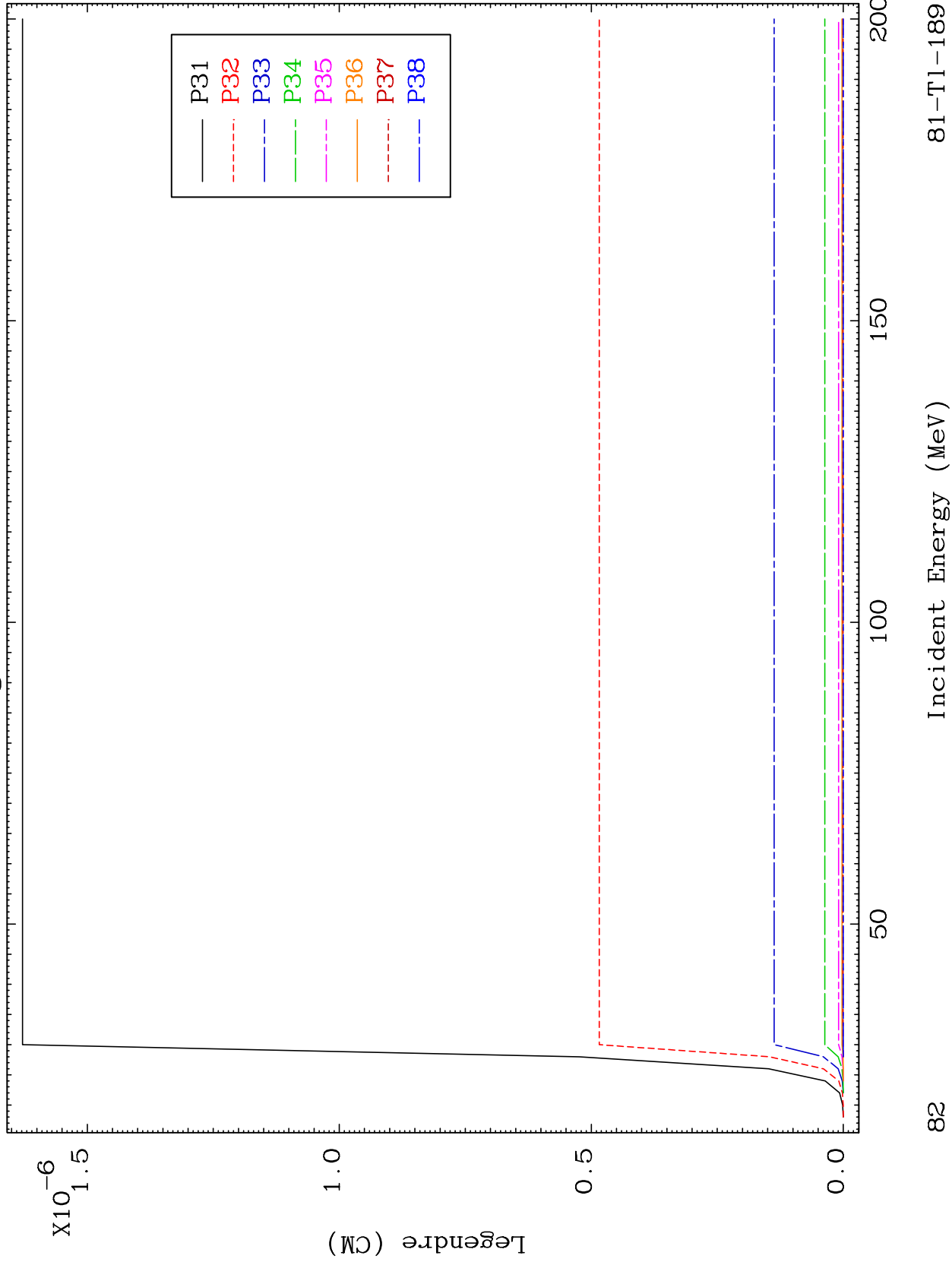
81-Tl-189



MAT 8083

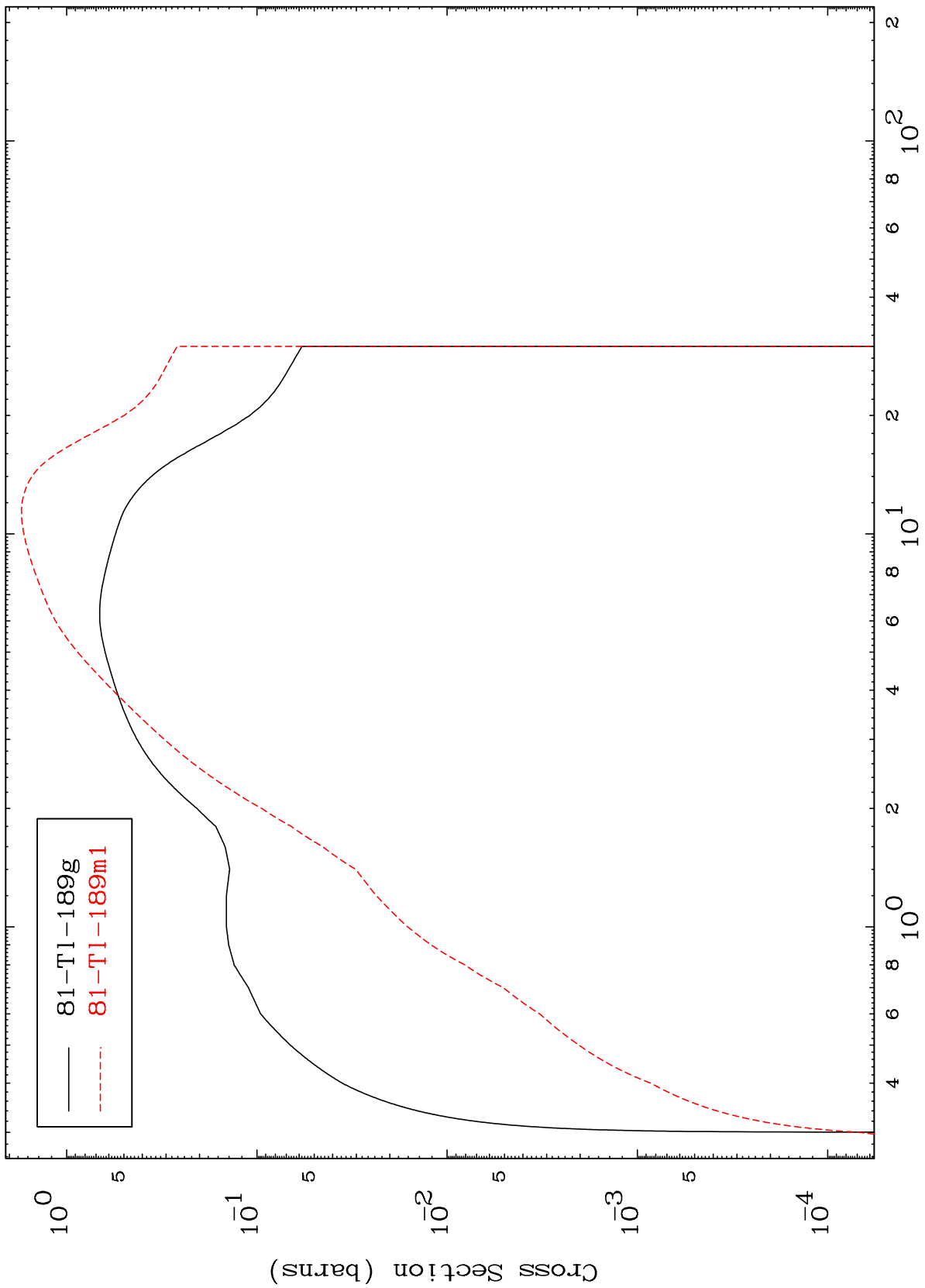
MT= 68 (n,n') Level
Legendre Coefficients

81-Tl-189



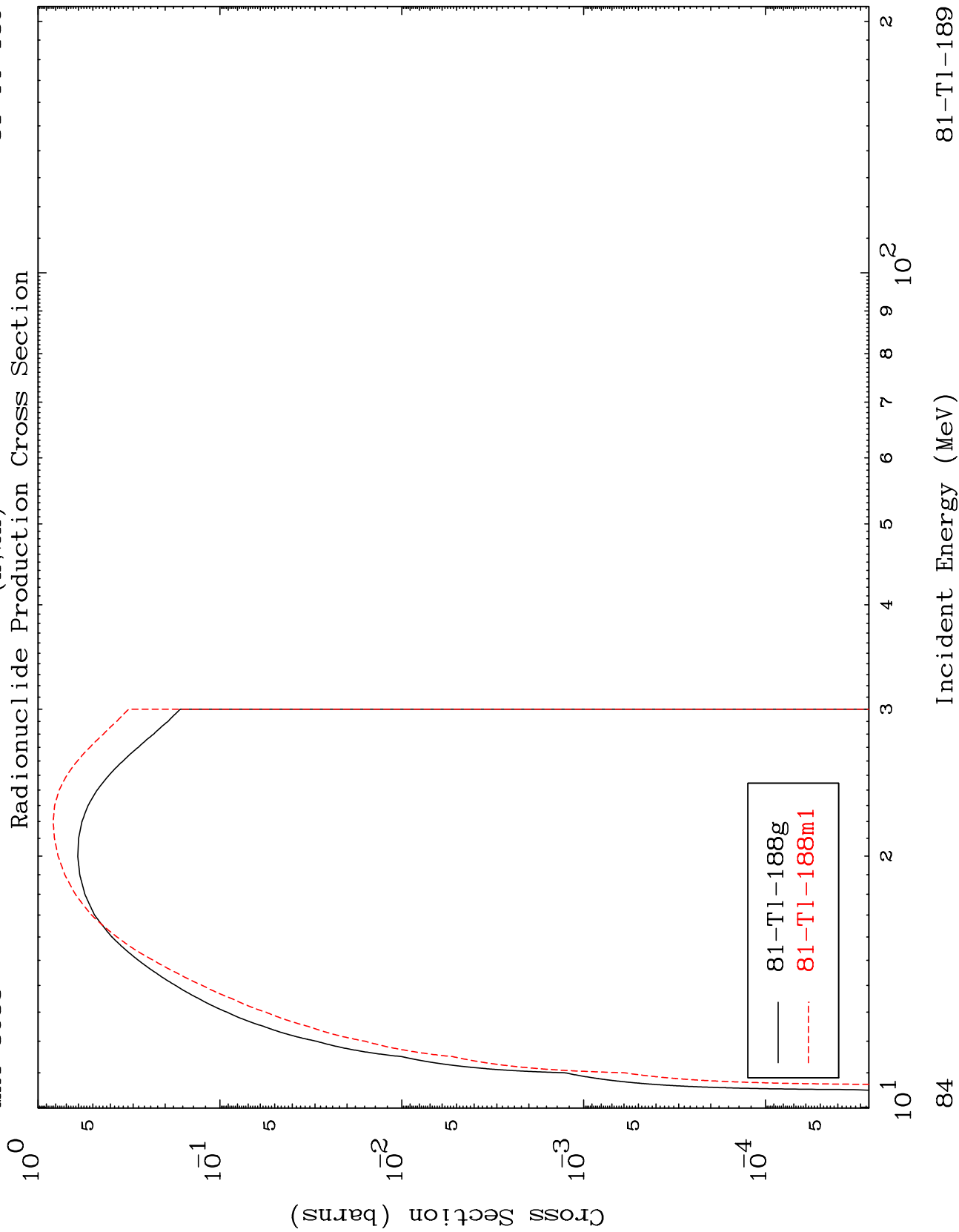
82

Inelastic
Radionuclide Production Cross Section

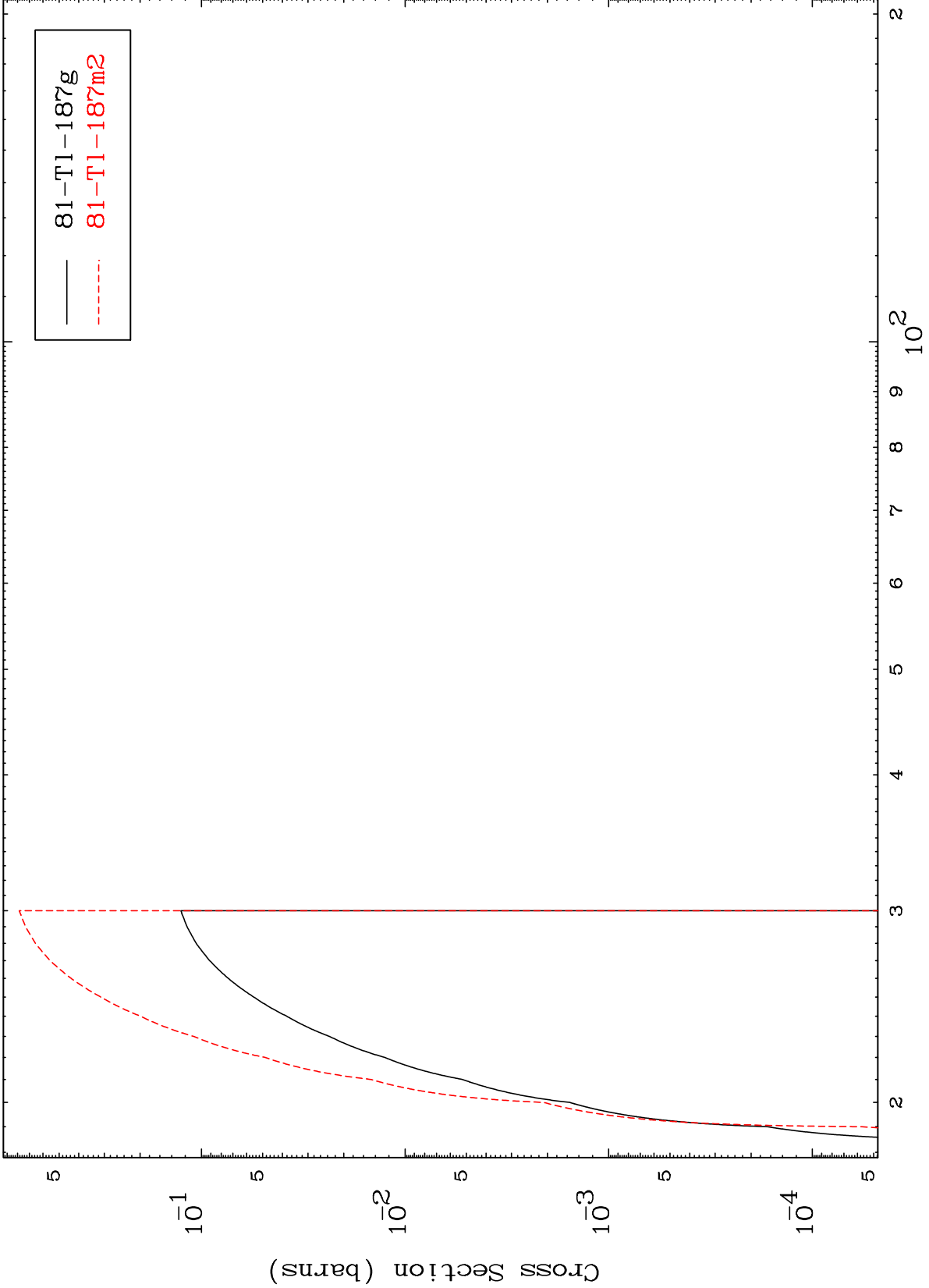


MAT 8083

81-Tl-189



Radionuclide Production Cross Section

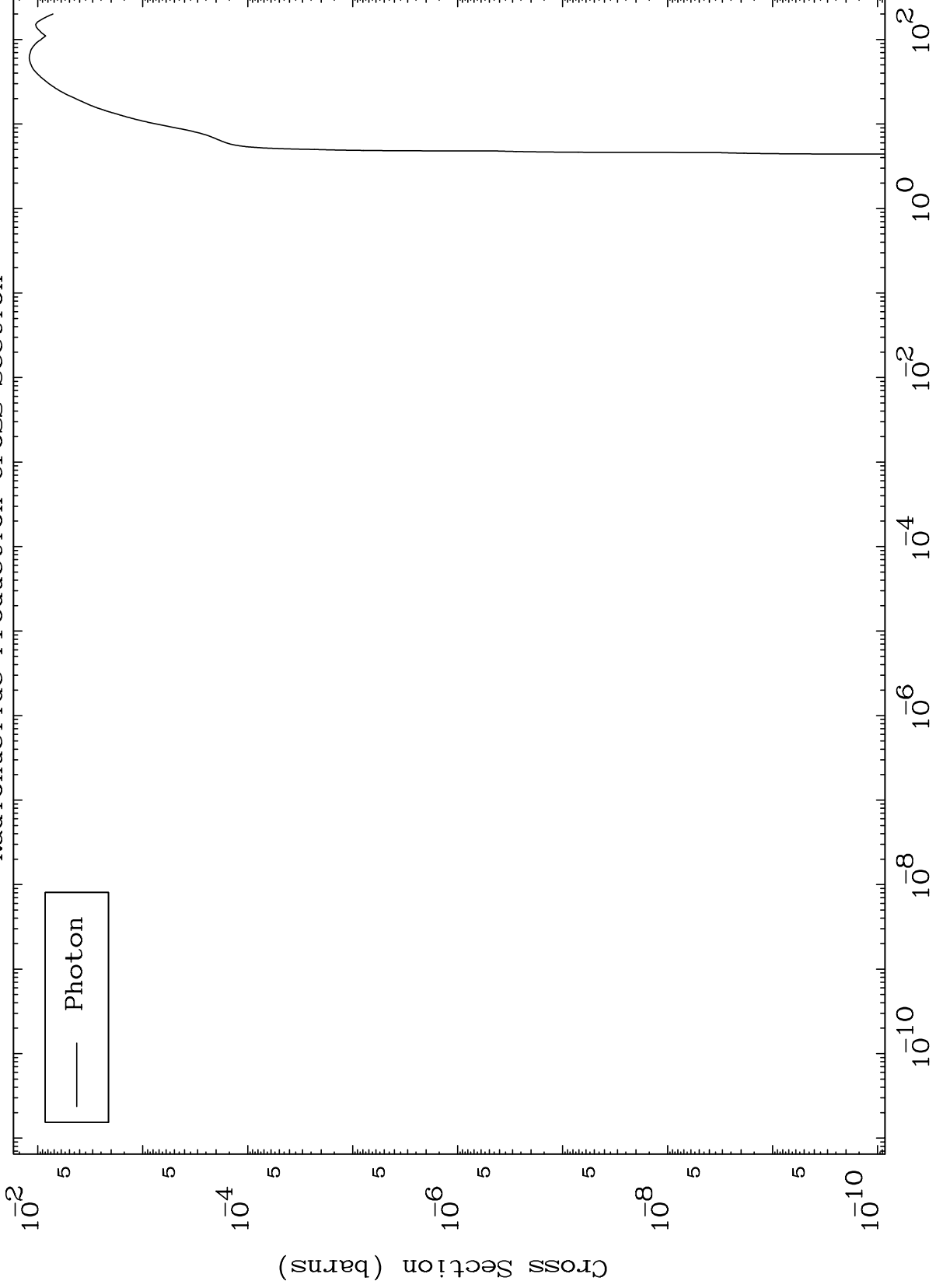


MAT 8083

Fission

81-Tl-189

Radionuclide Production Cross Section



86

Incident Energy (MeV)

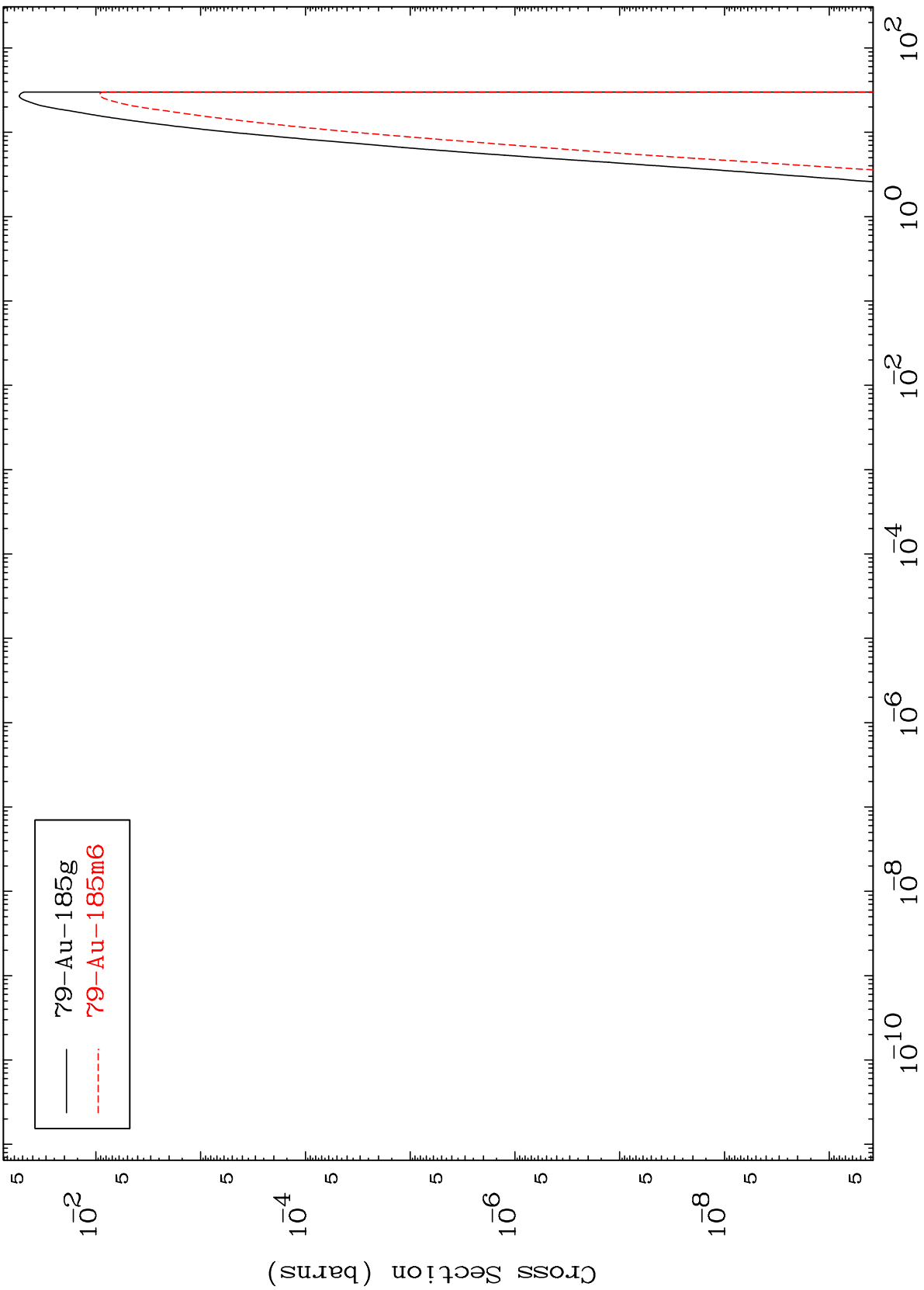
81-Tl-189

MAT 8083

$(n, n') \alpha$

81-Tl-189

Radionuclide Production Cross Section



— $^{79}\text{Au-185g}$
- - - $^{79}\text{Au-185m6}$

87

Incident Energy (MeV)

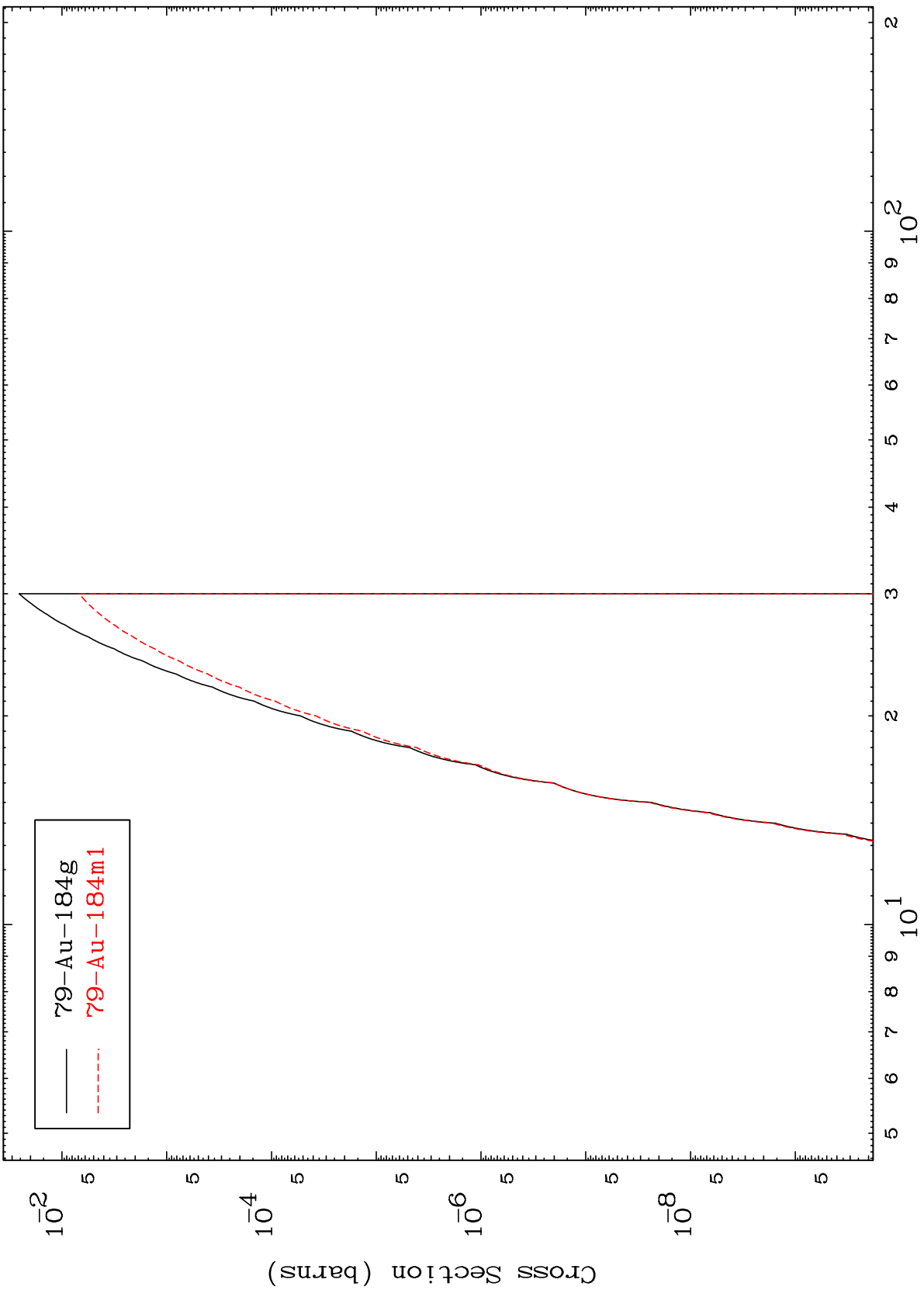
81-Tl-189

MAT 8083

(n,2n) α

81-Tl-189

Radionuclide Production Cross Section



88

Incident Energy (MeV)

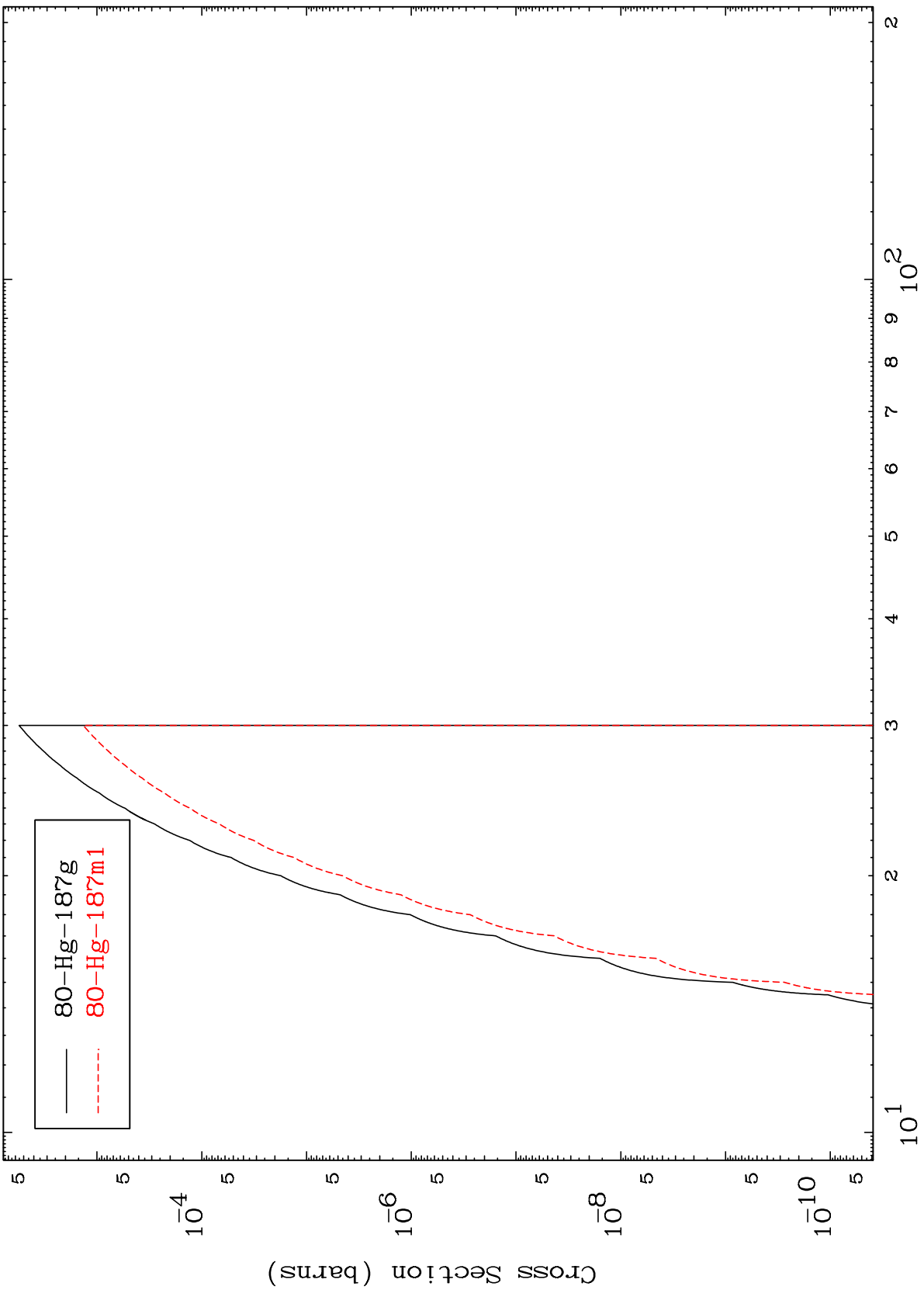
81-Tl-189

MAT 8083

(n,n') d

81-Tl-189

Radionuclide Production Cross Section



89

Incident Energy (MeV)

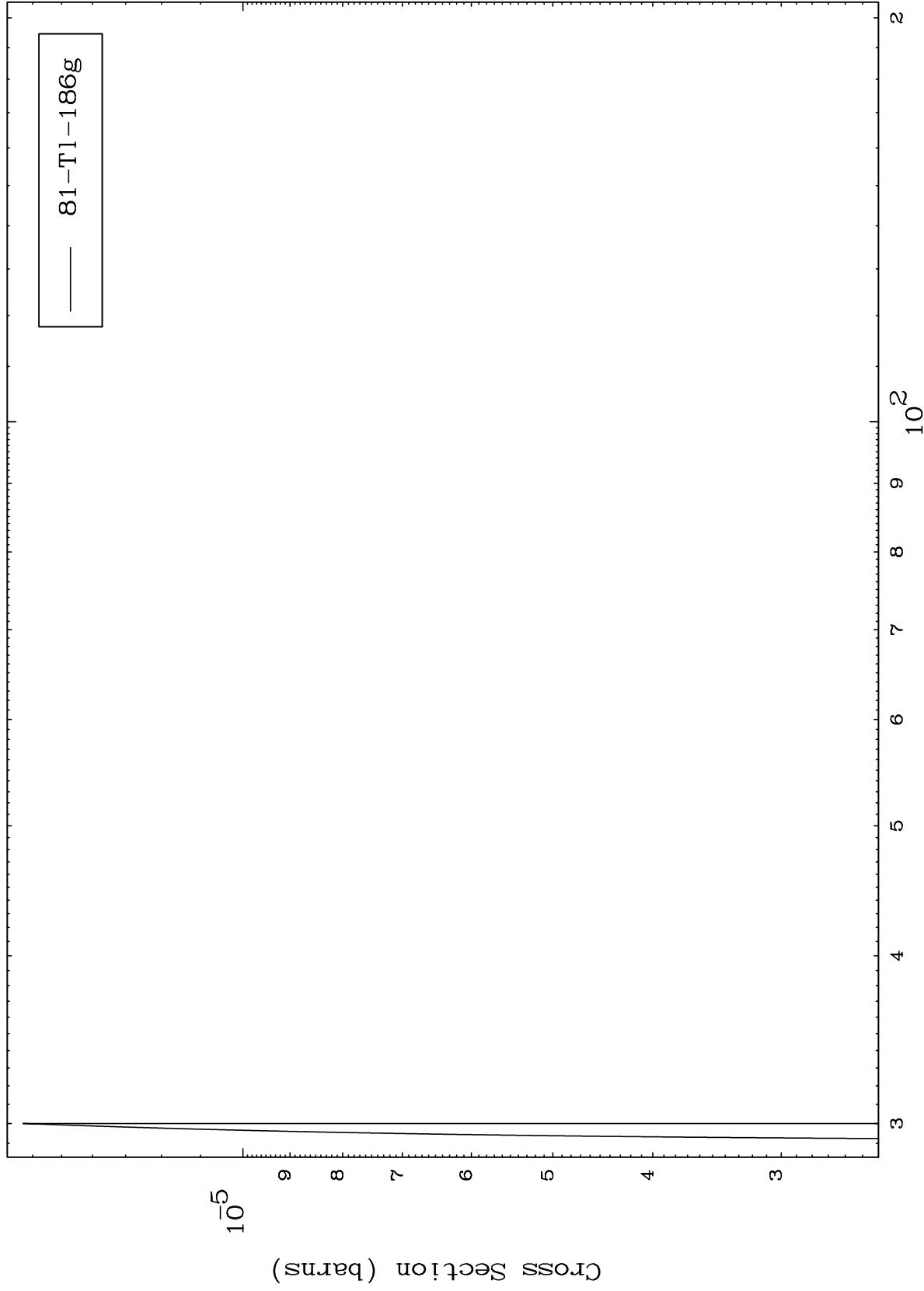
81-Tl-189

MAT 8083

81-Tl-189

(n,4n)

Radionuclide Production Cross Section

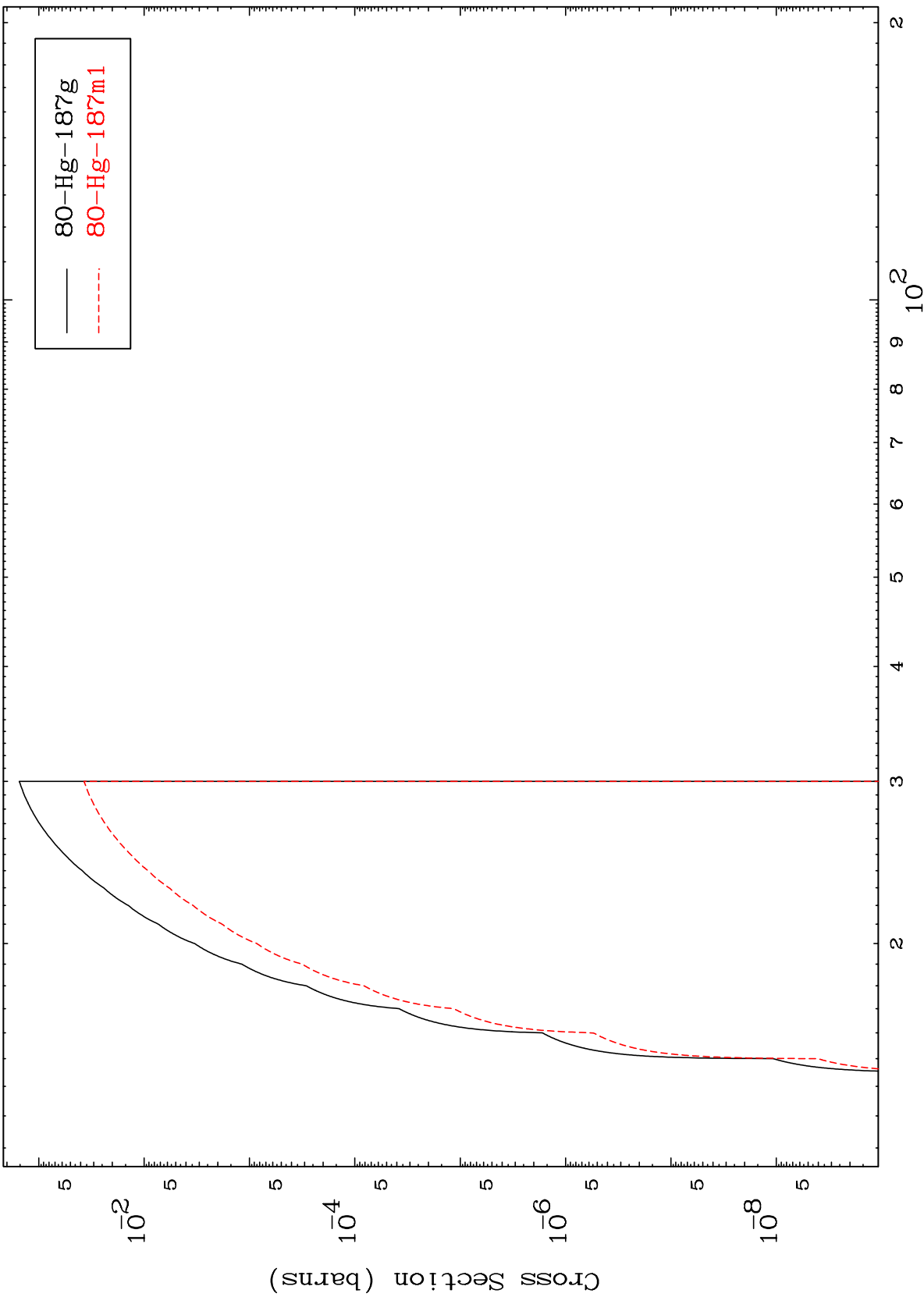


90

Incident Energy (MeV)

81-Tl-189

Radionuclide Production Cross Section



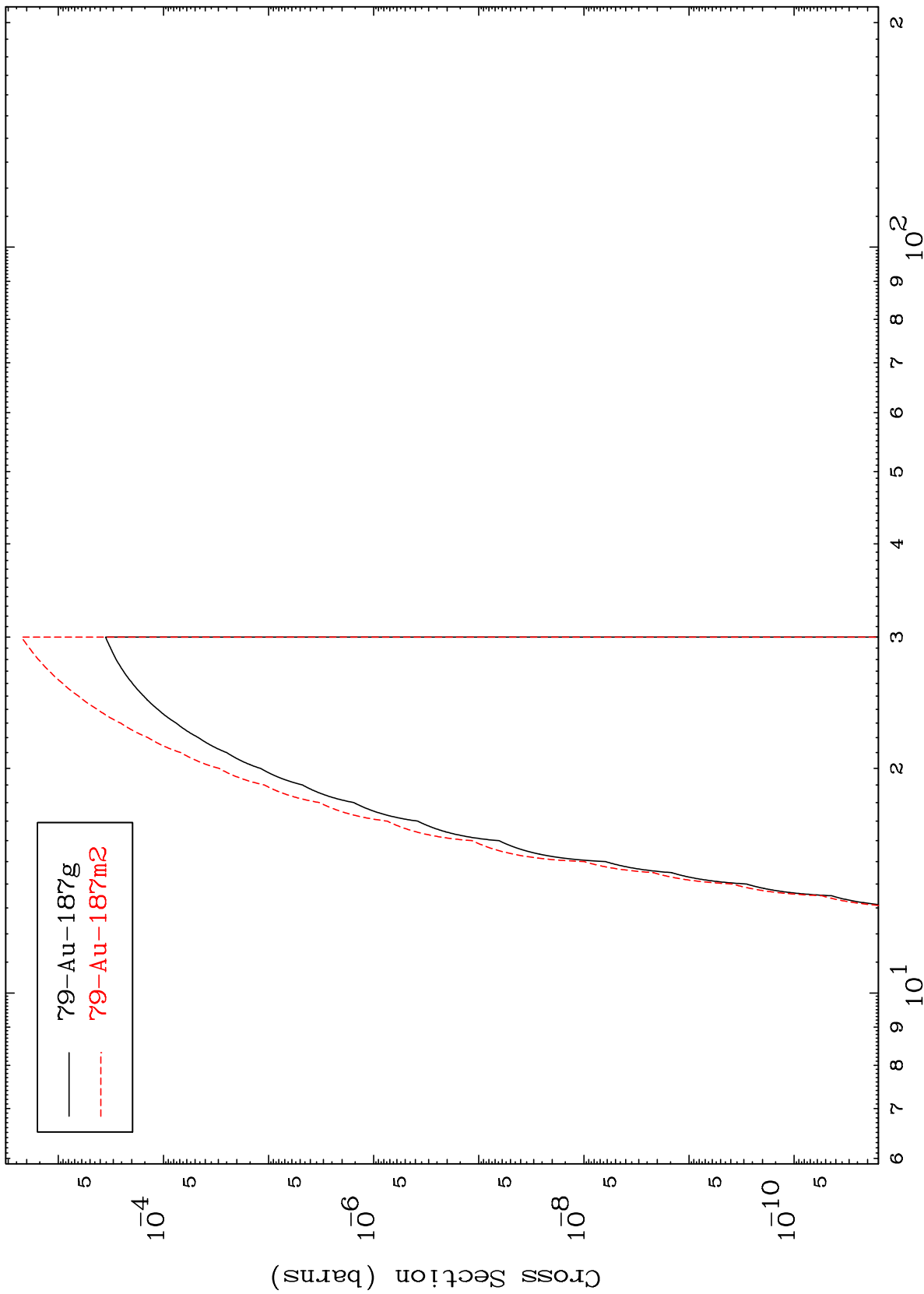
80-Hg-187g
80-Hg-187m1

MAT 8083

(n,2n) p

81-Tl-189

Radionuclide Production Cross Section



— 79-Au-187g
- - - 79-Au-187m2

92

Incident Energy (MeV)

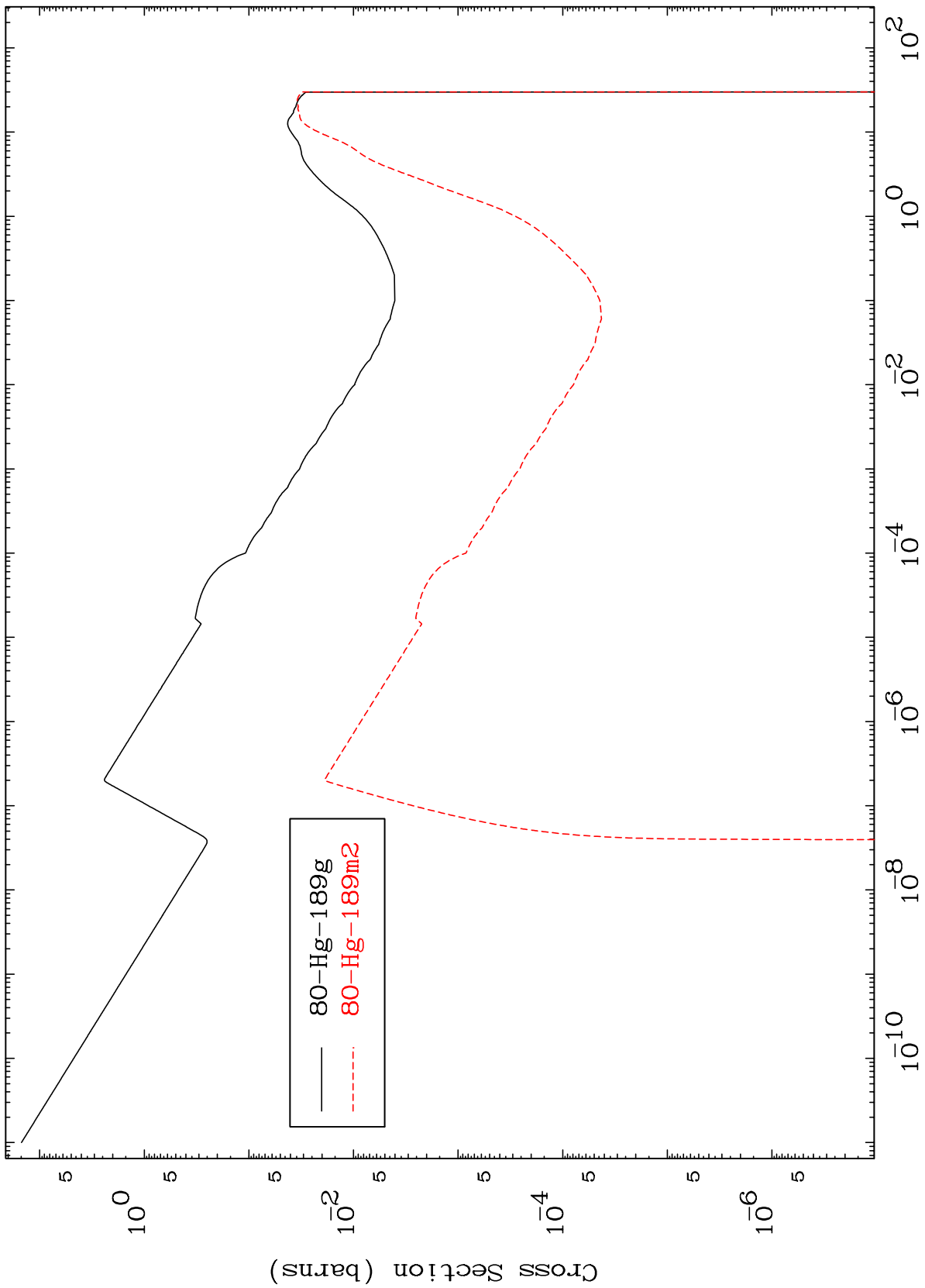
81-Tl-189

MAT 8083

(n,p)

81-Tl-189

Radionuclide Production Cross Section



Cross Section (barns)

Incident Energy (MeV)

80-Hg-189g
80-Hg-189m2

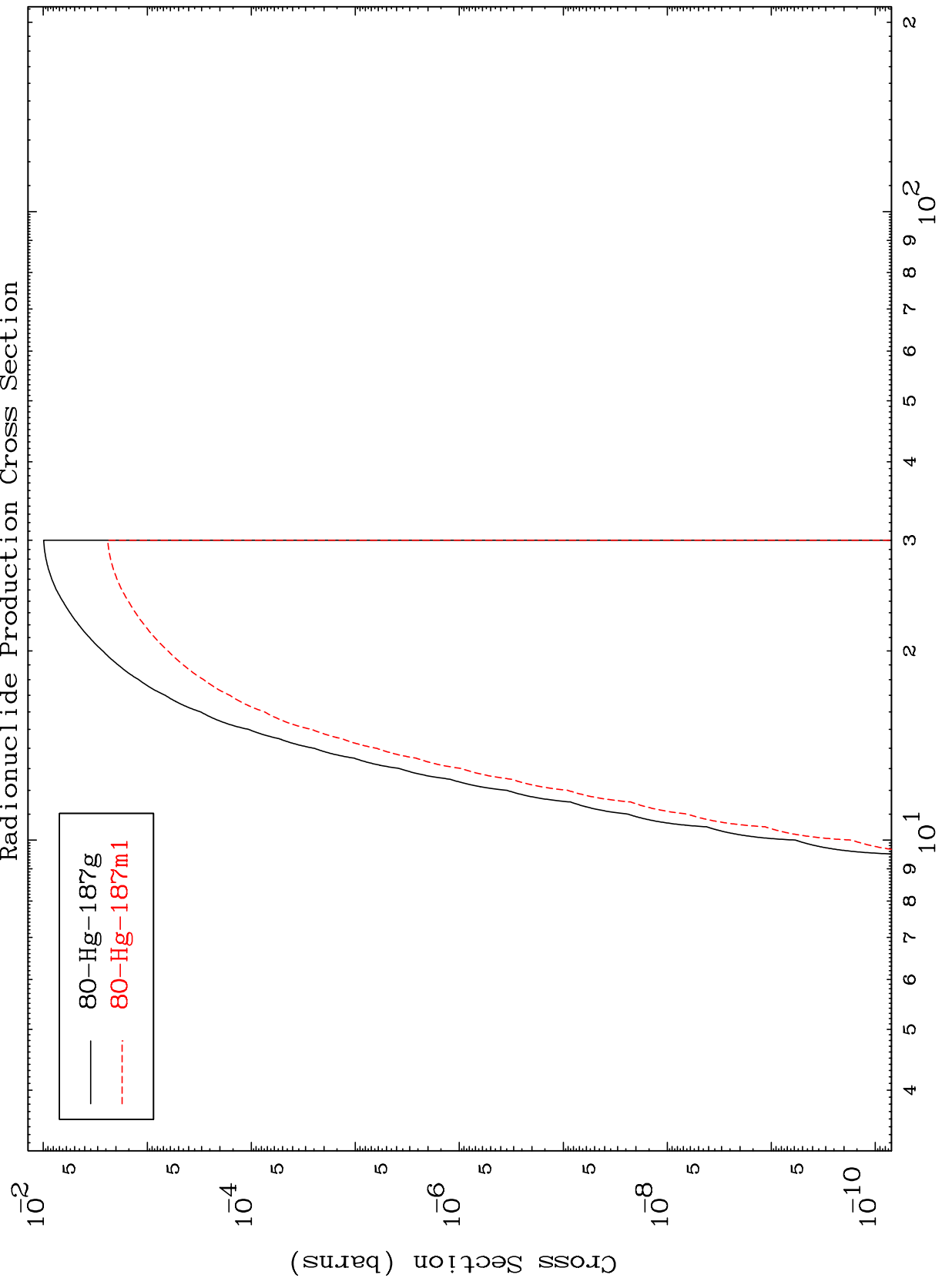
81-Tl-189

93

MAT 8083

81-Tl-189

Radionuclide Production Cross Section (n, t)



Incident Energy (MeV)

81-Tl-189

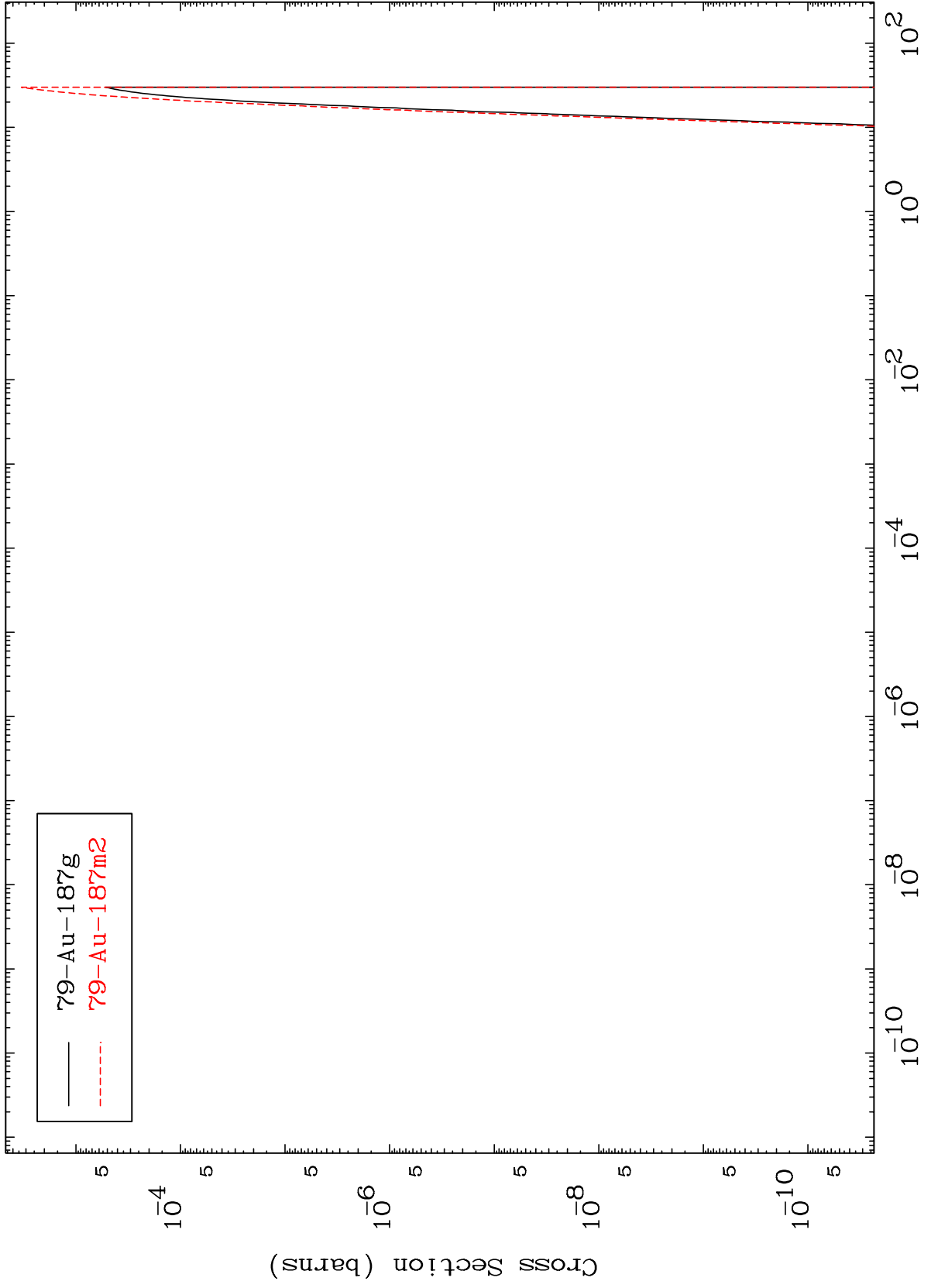
94

MAT 8083

(n,He-3)

81-Tl-189

Radionuclide Production Cross Section



95

Incident Energy (MeV)

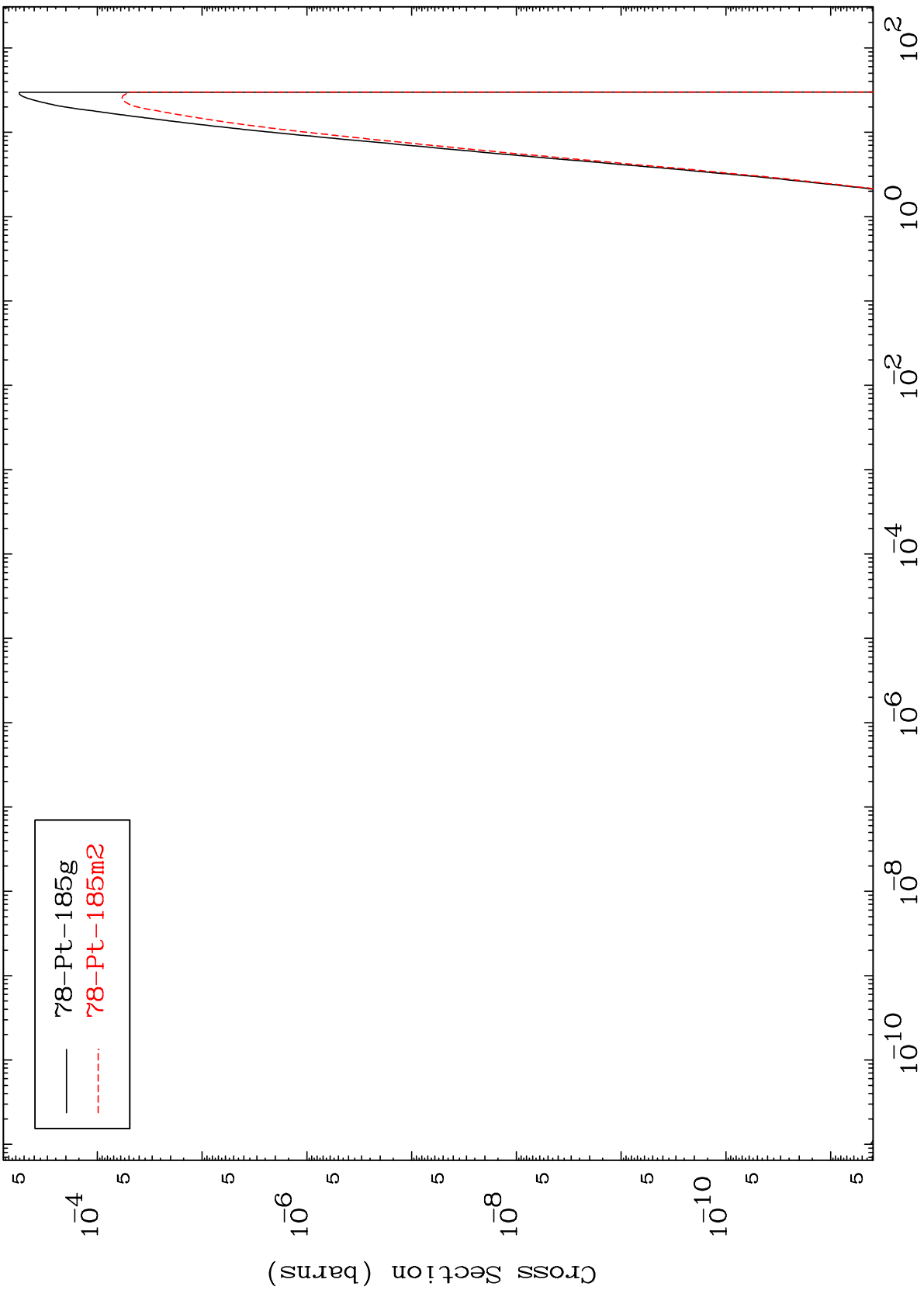
81-Tl-189

MAT 8083

(n,p) α

81-Tl-189

Radionuclide Production Cross Section

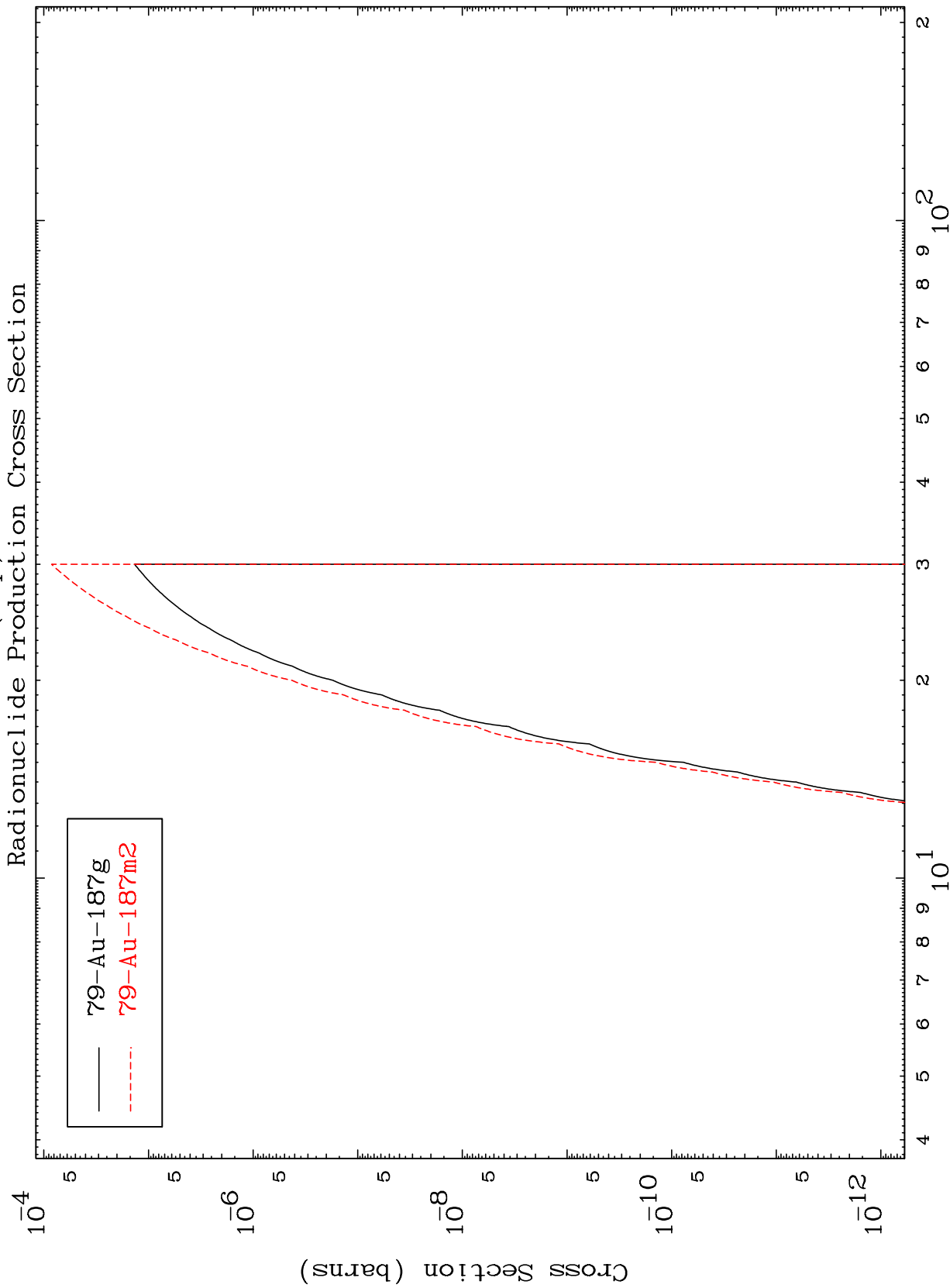


— 78-Pt-185g
- - - 78-Pt-185m2

MAT 8083

(n,p) d

81-Tl-189



97

Incident Energy (MeV)

81-Tl-189