

Program EVALPLOT
(Version 2021-1)

by

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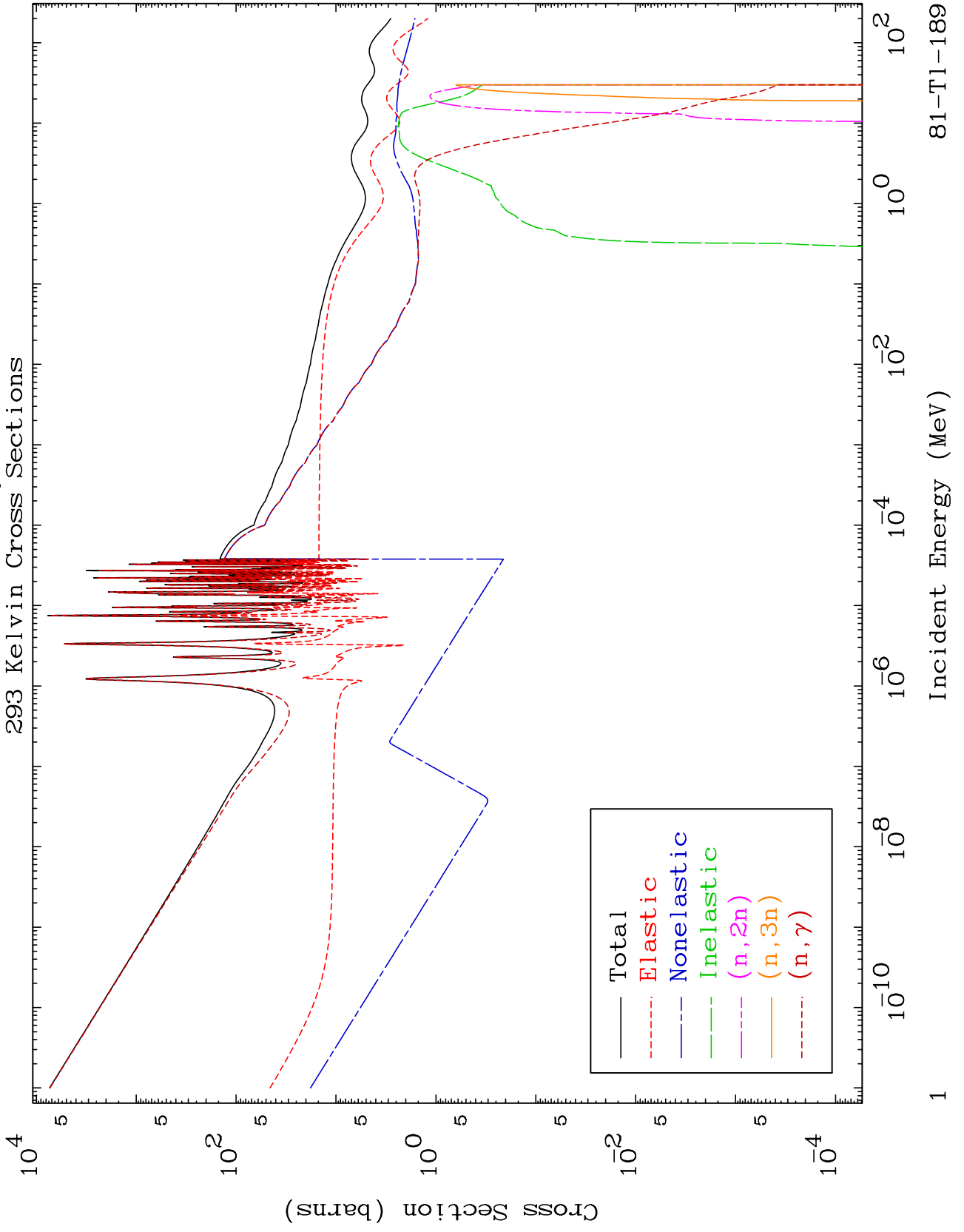
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Press Mouse Button to Start

MAT 8083

Neutron Major
293 Kelvin Cross Sections

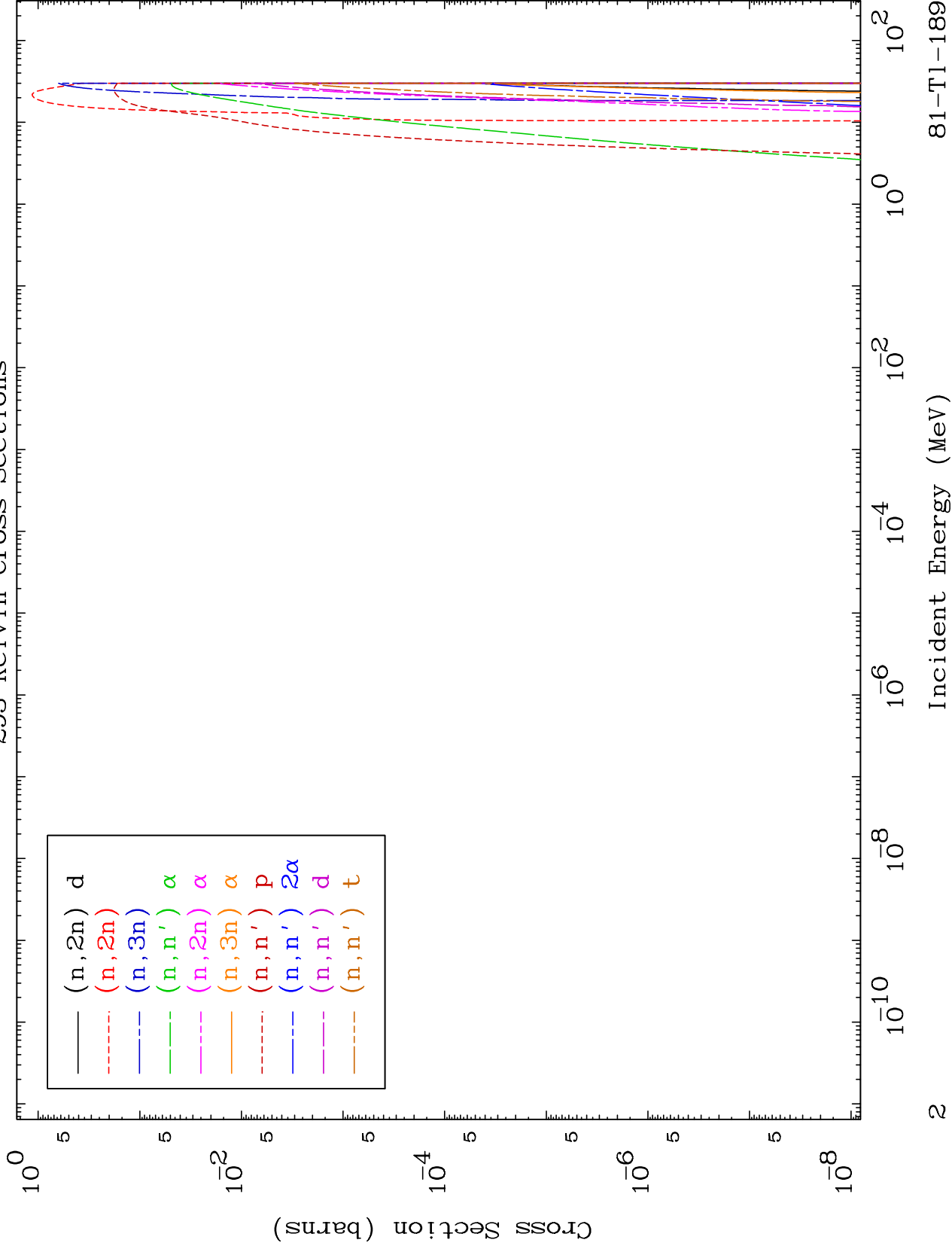
81-Tl-189

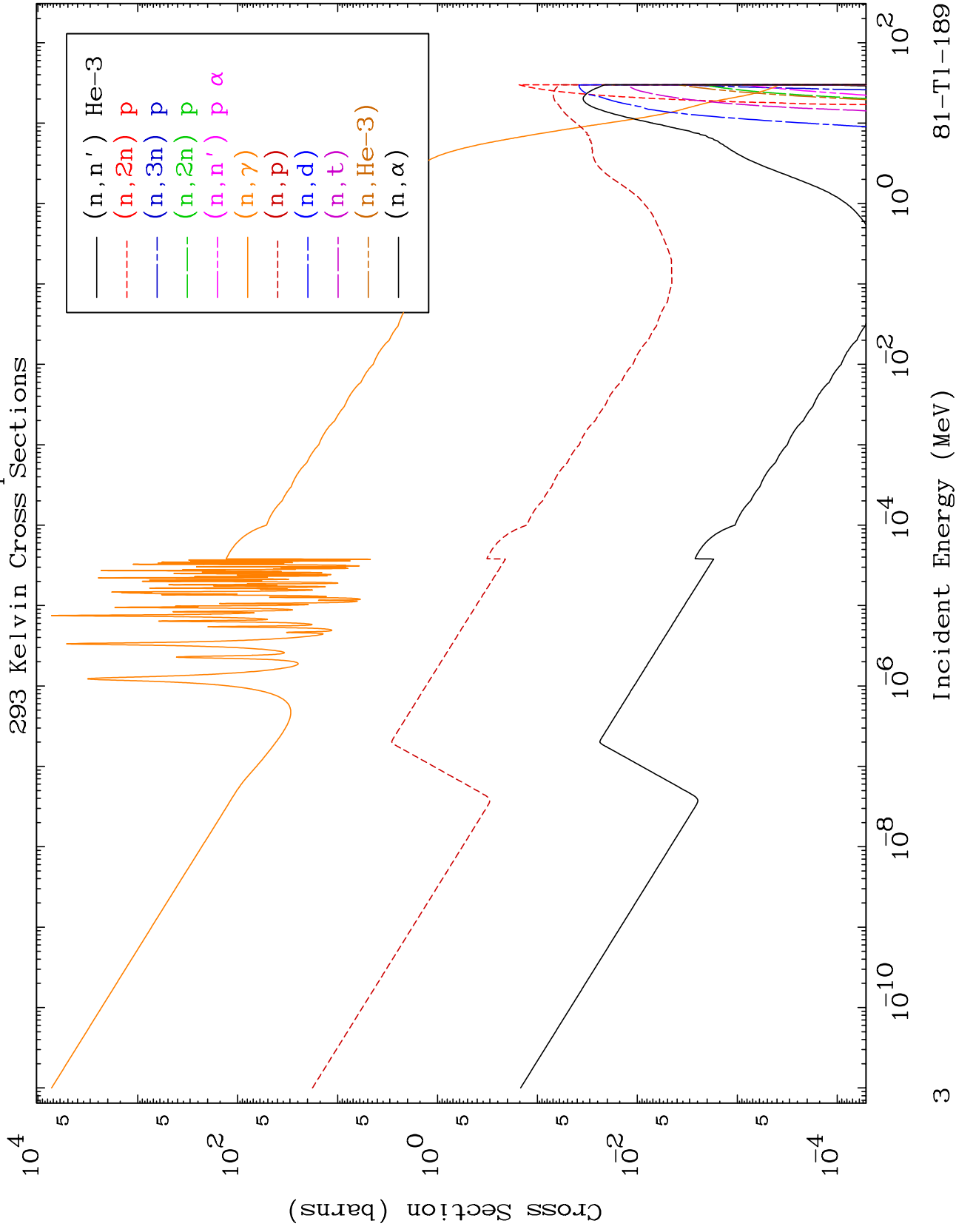


MAT 8083

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-189

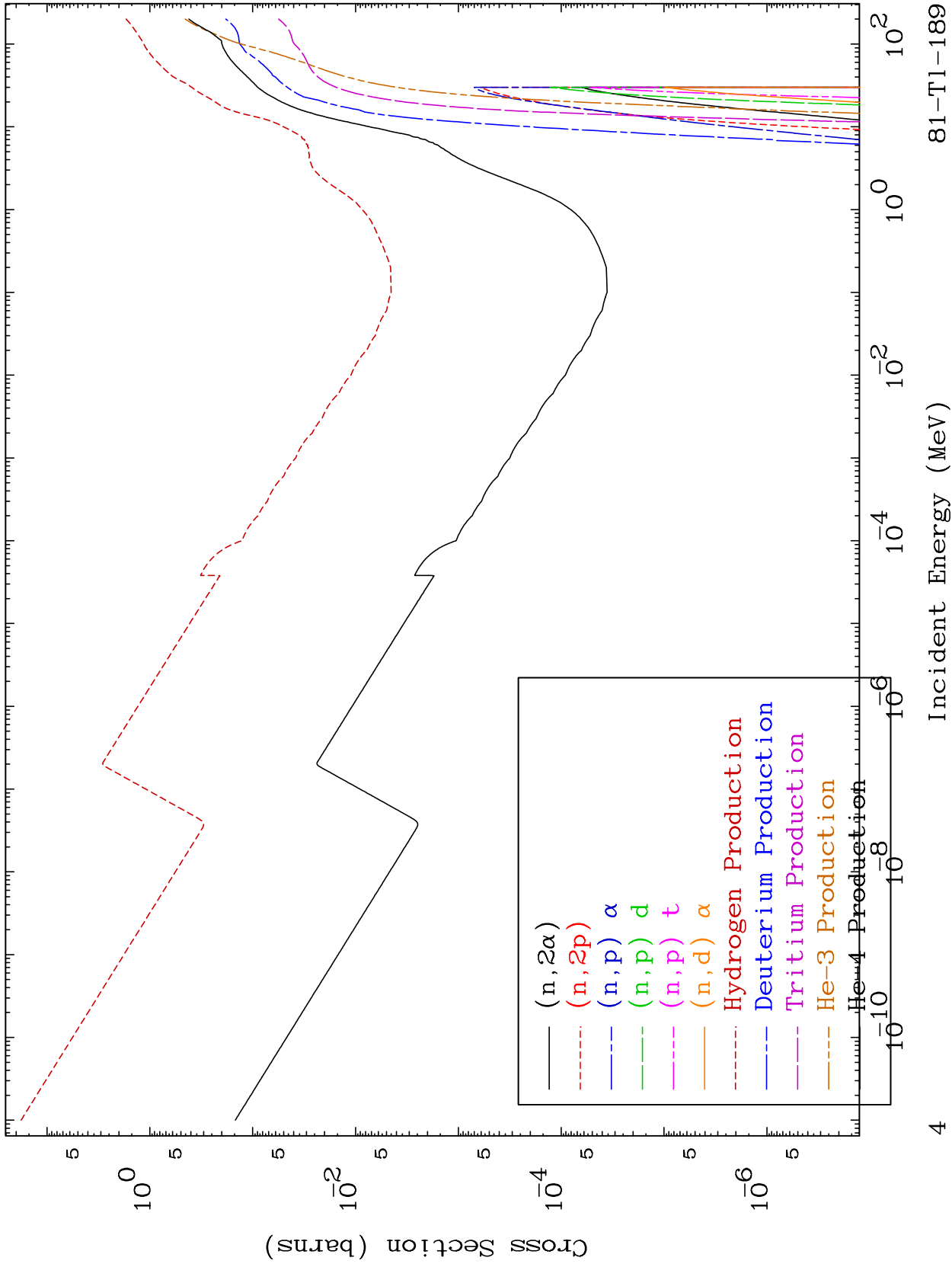




MAT 8083

Neutron Absorption
293 Kelvin Cross Sections

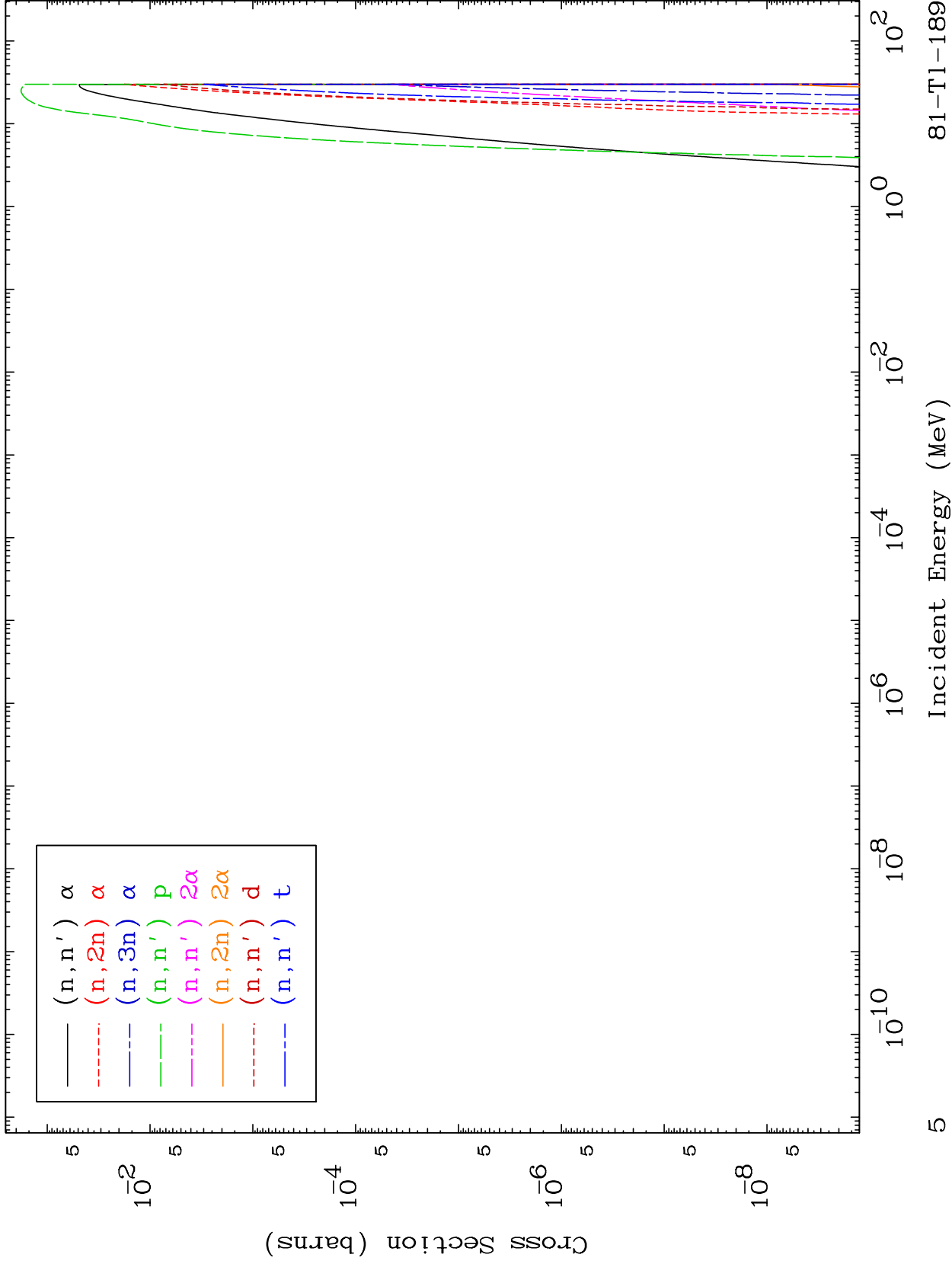
81-Tl-189



MAT 8083

Charged Particle
293 Kelvin Cross Sections

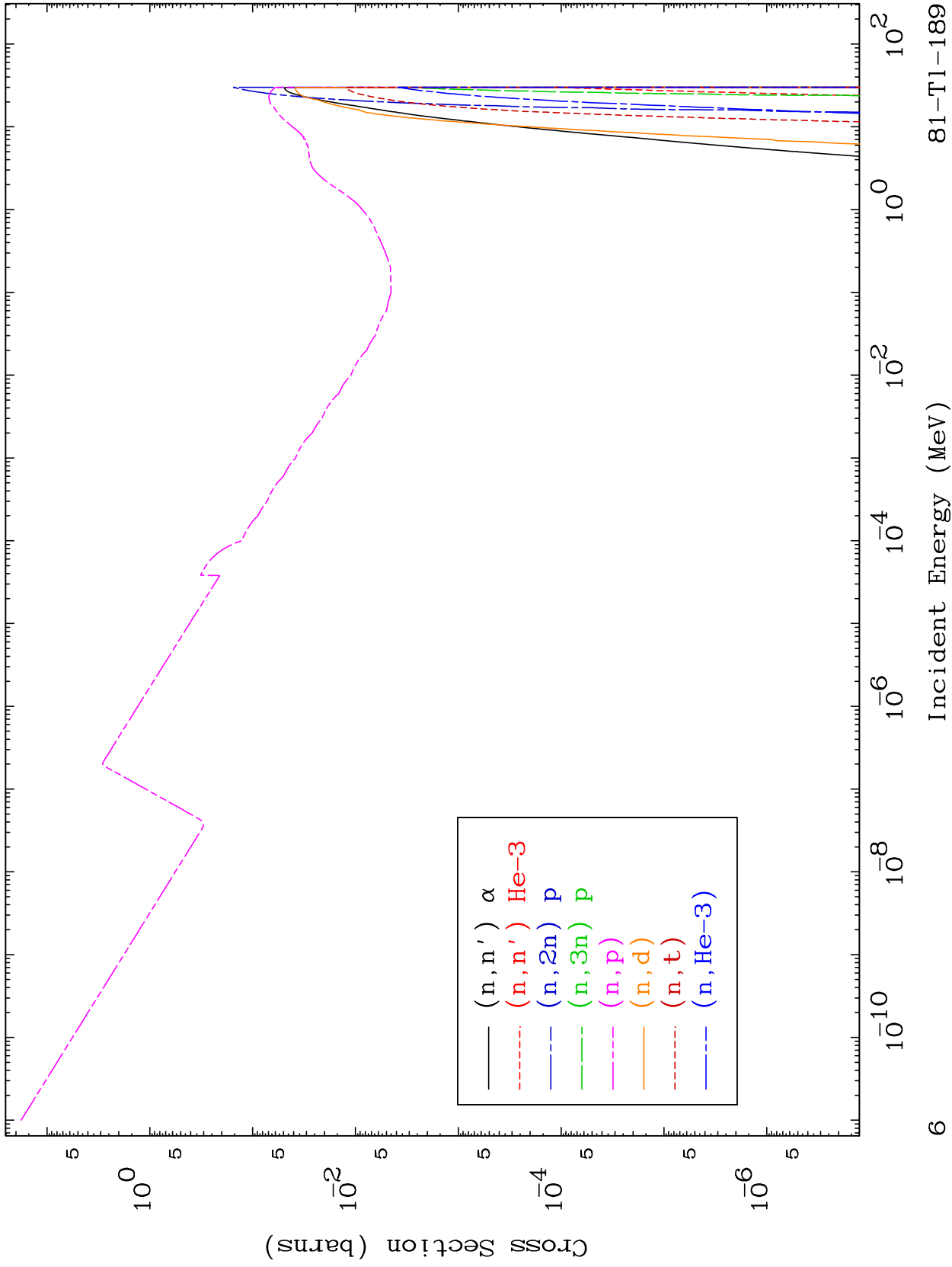
81-Tl-189



MAT 8083

Charged Particle
293 Kelvin Cross Sections

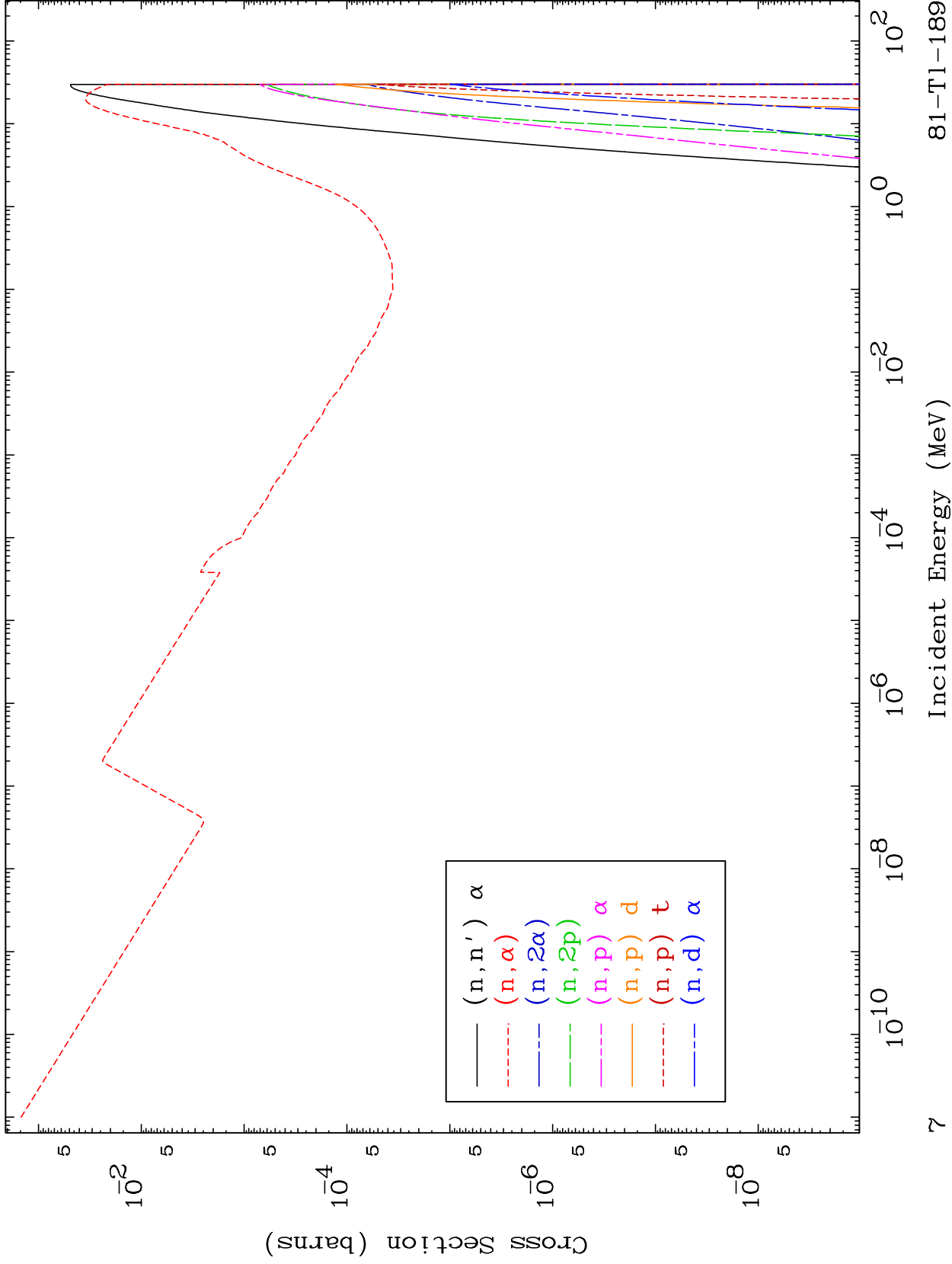
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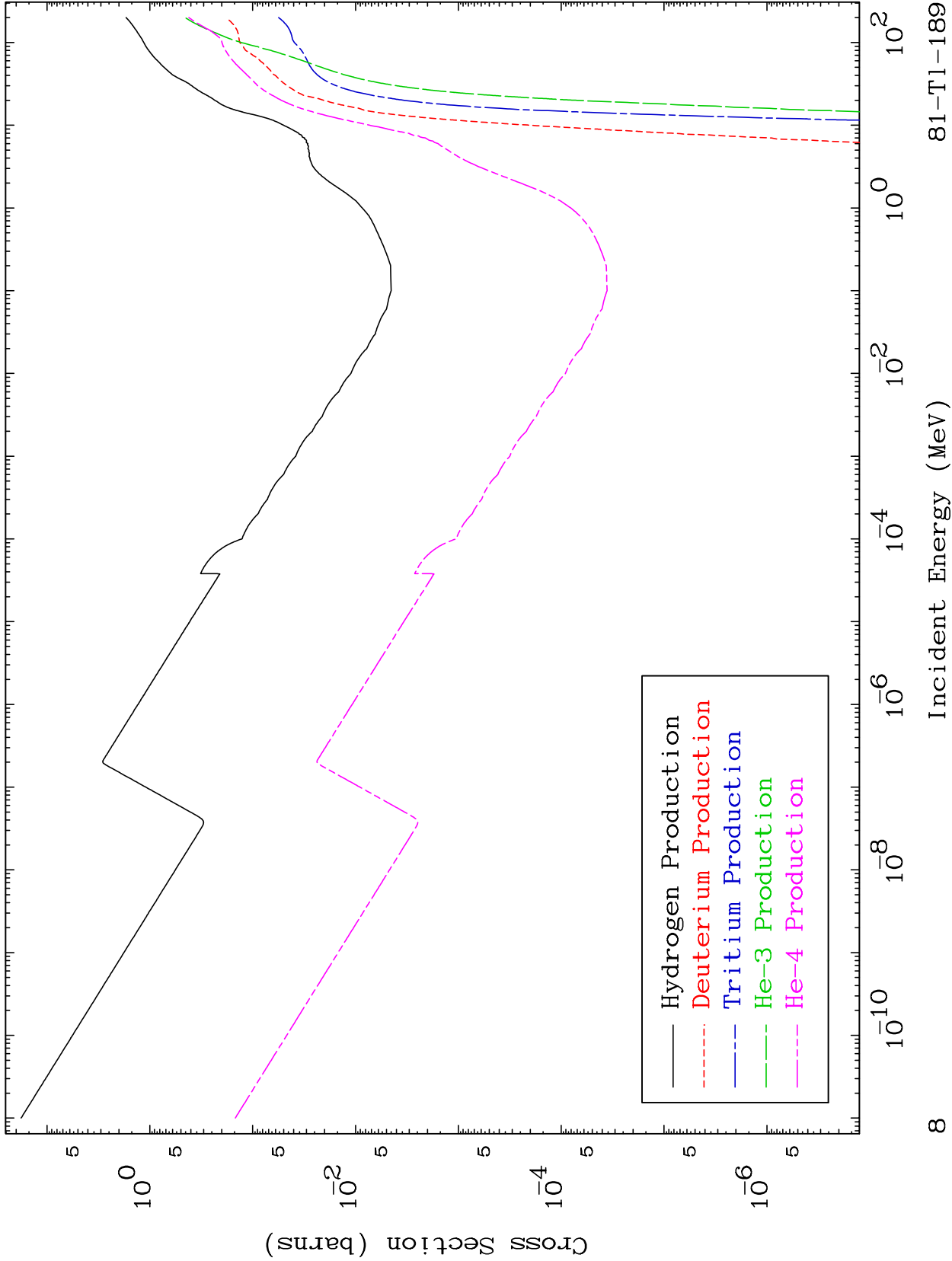


MAT 8083

Charged Particle
293 Kelvin Cross Sections

81-Tl-189

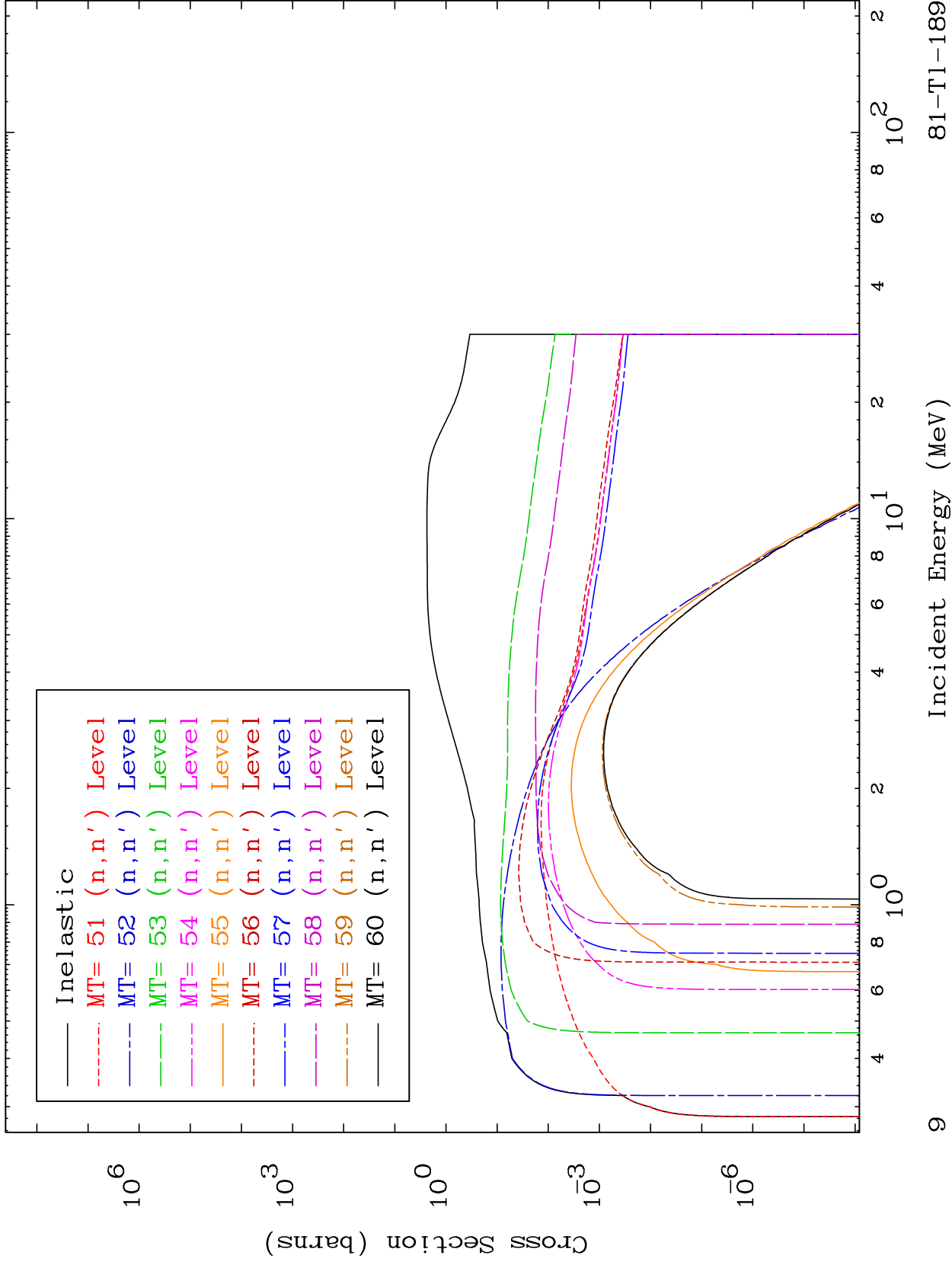




MAT 8083

(n,n') Levels
293 Kelvin Cross Sections

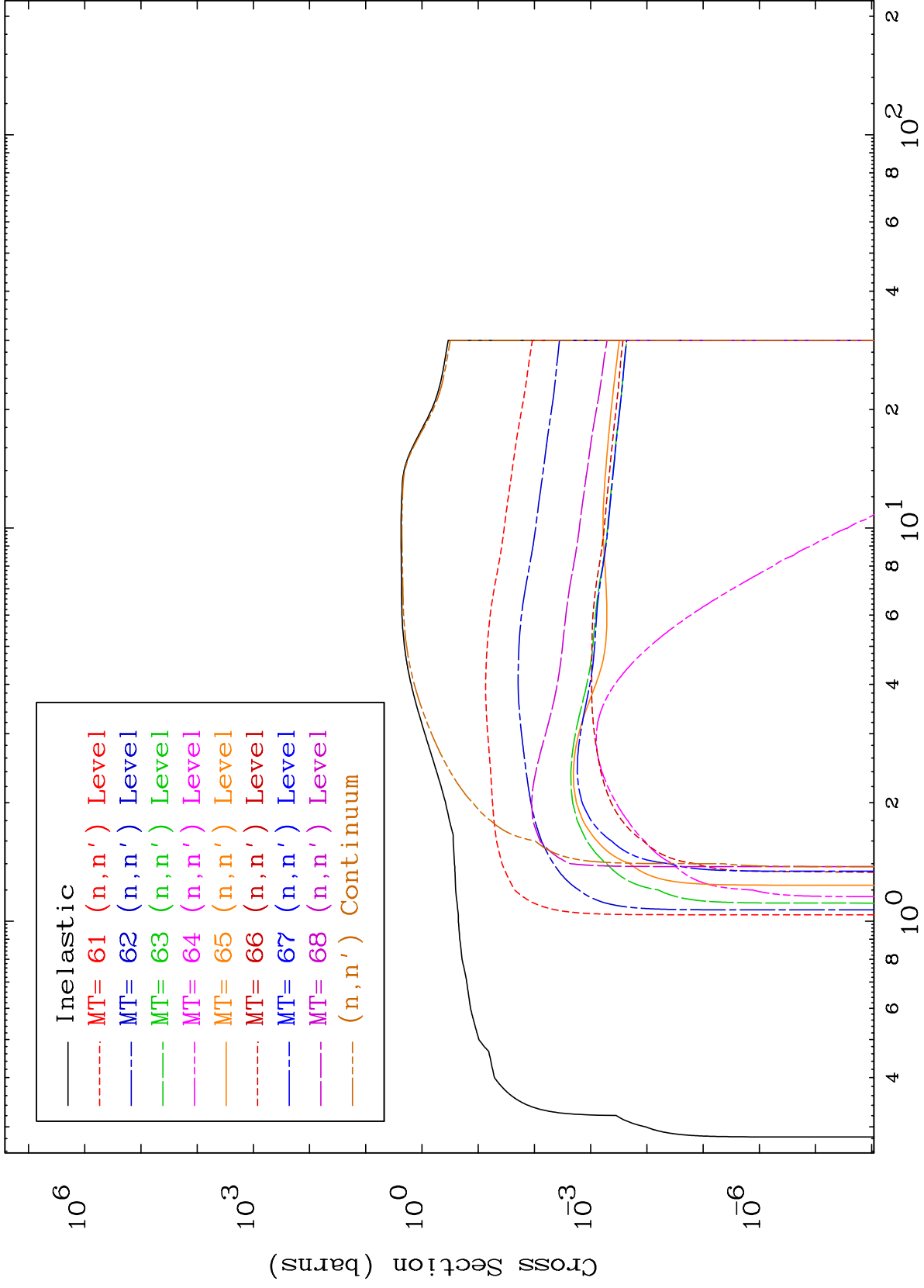
81-Tl-189



MAT 8083

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-189



10

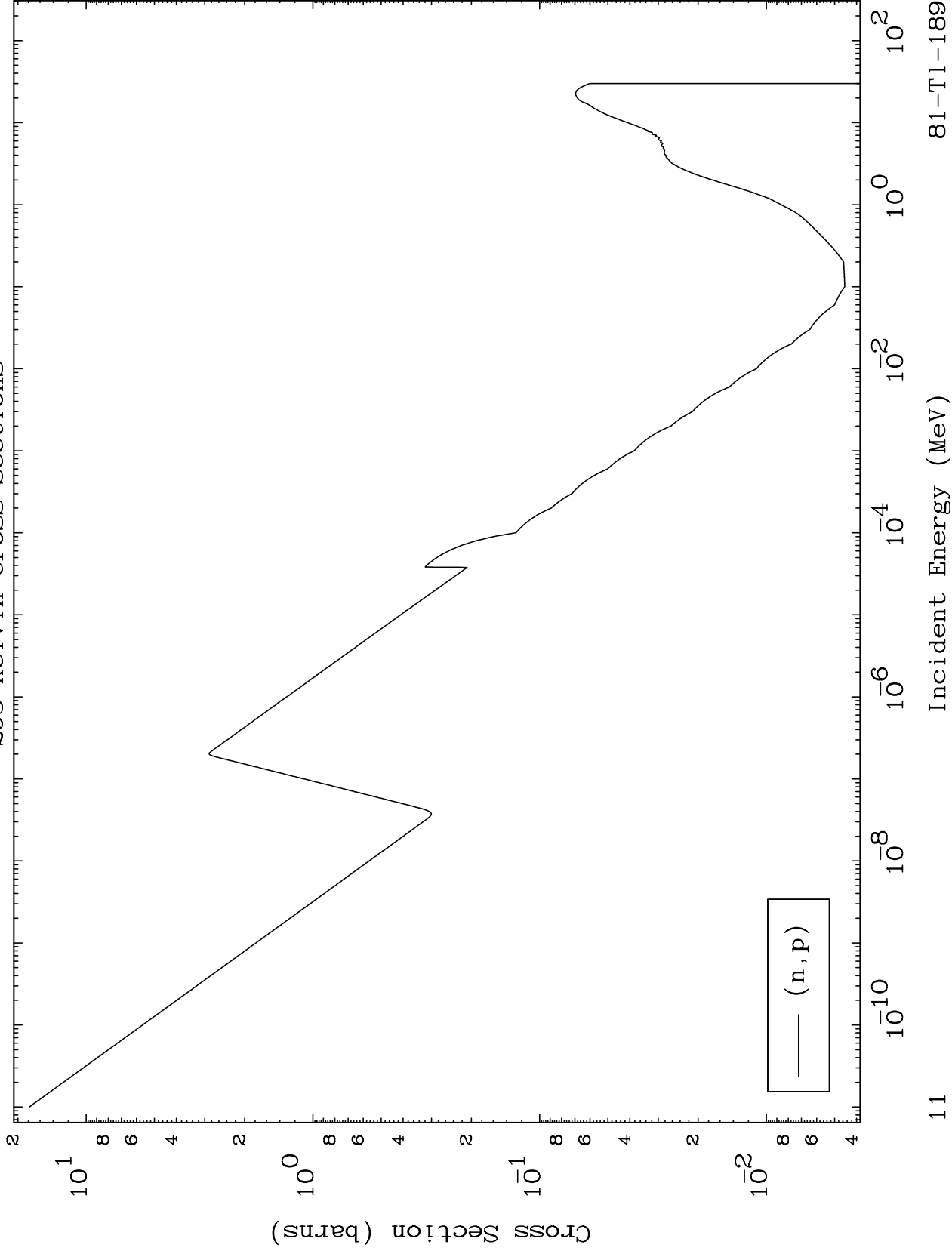
Incident Energy (MeV)

81-Tl-189

MAT 8083

(n,p) Levels
293 Kelvin Cross Sections

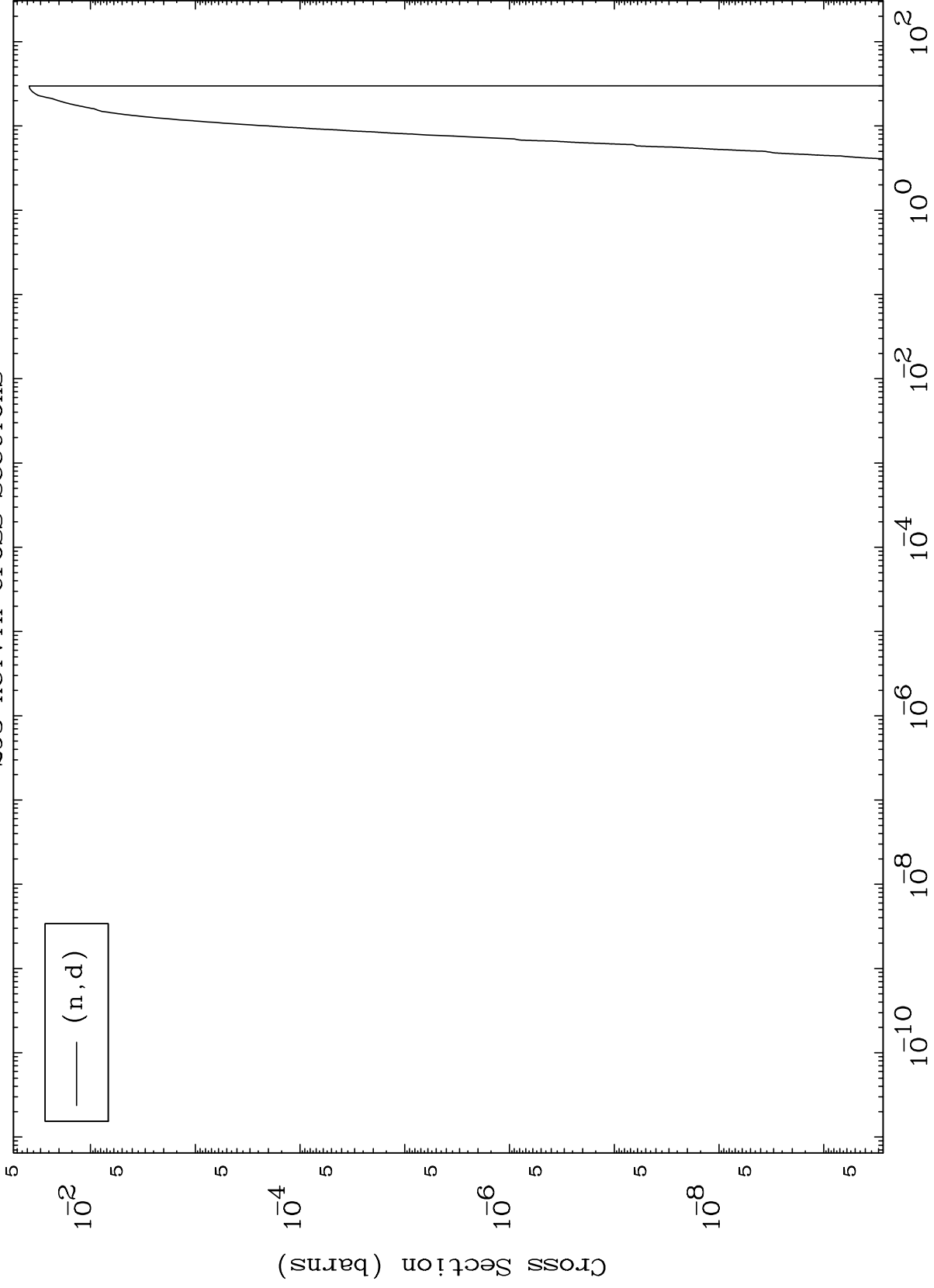
81-Tl-189



MAT 8083

(n,d) Levels
293 Kelvin Cross Sections

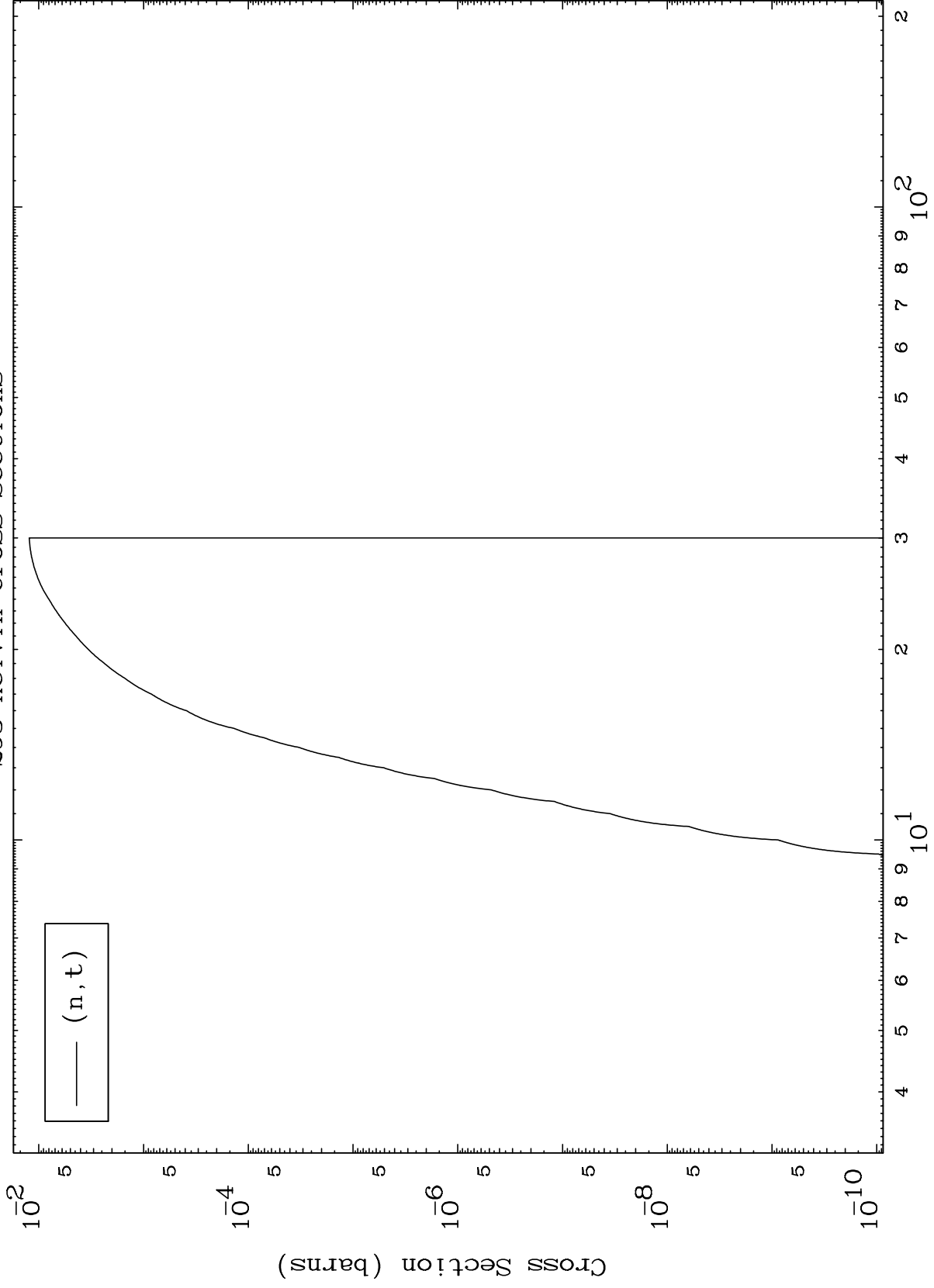
81-Tl-189



MAT 8083

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-189



13

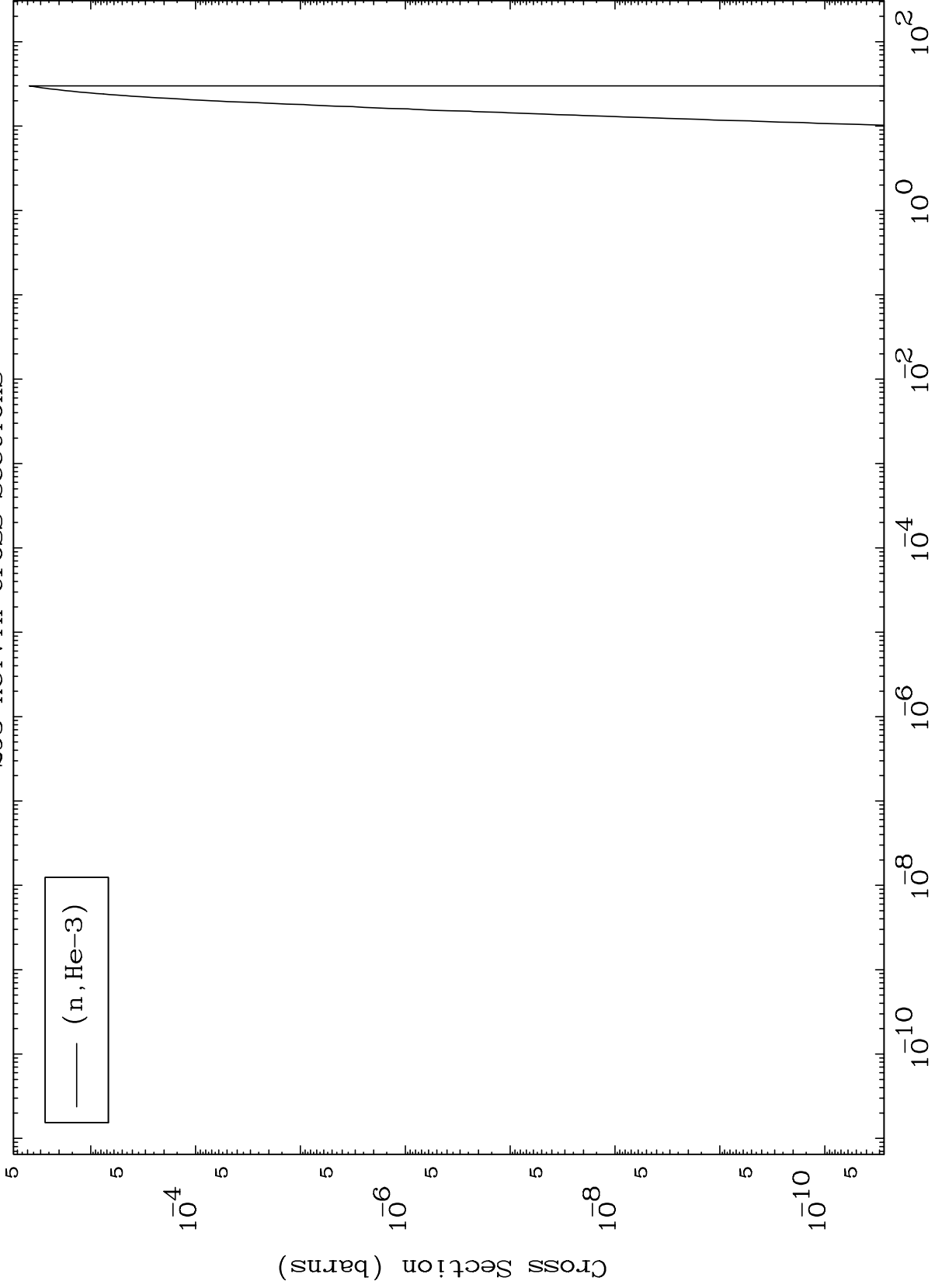
Incident Energy (MeV)

81-Tl-189

MAT 8083

(n,He3) Levels
293 Kelvin Cross Sections

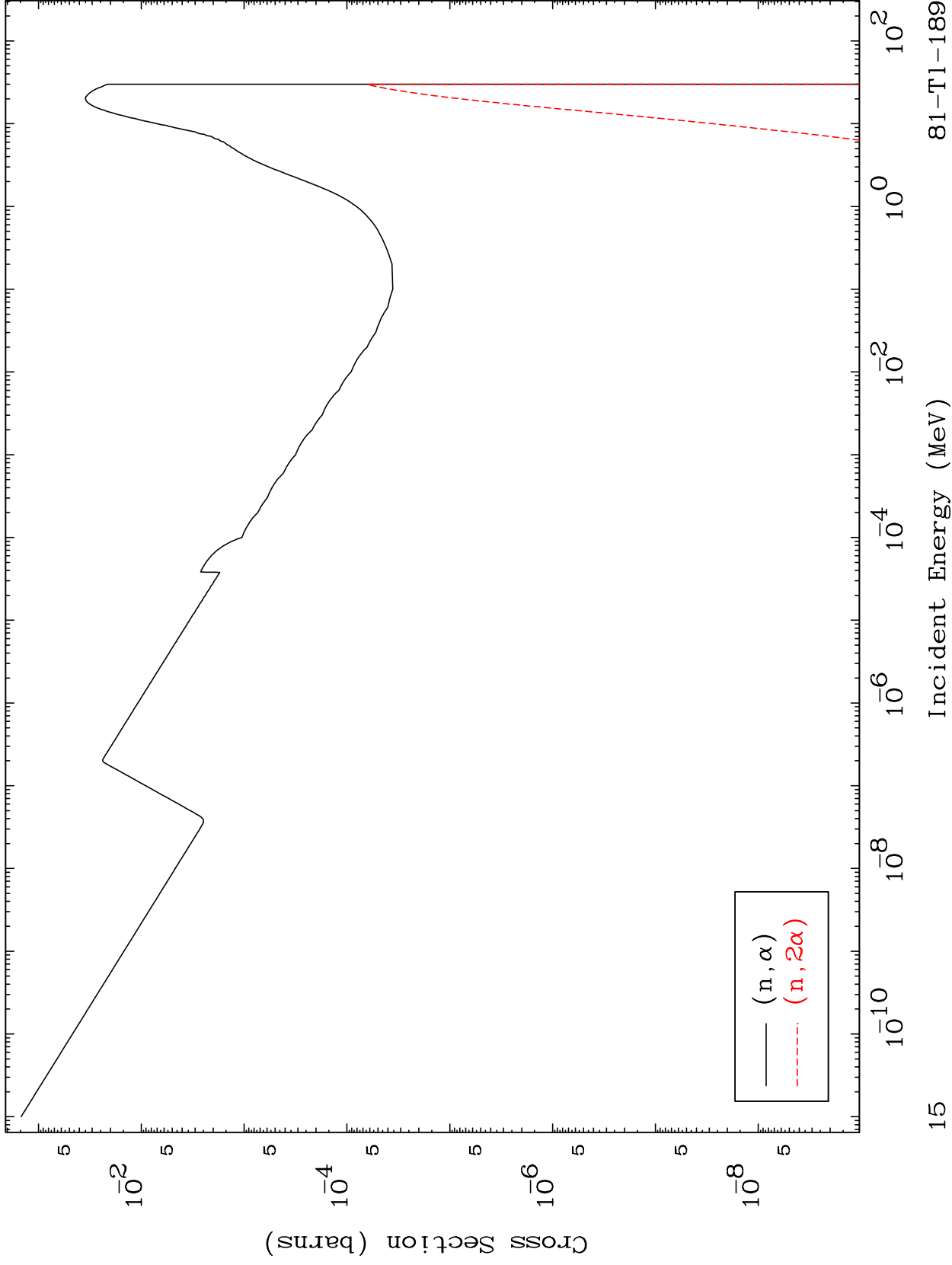
81-Tl-189



MAT 8083

(n, α) Levels
293 Kelvin Cross Sections

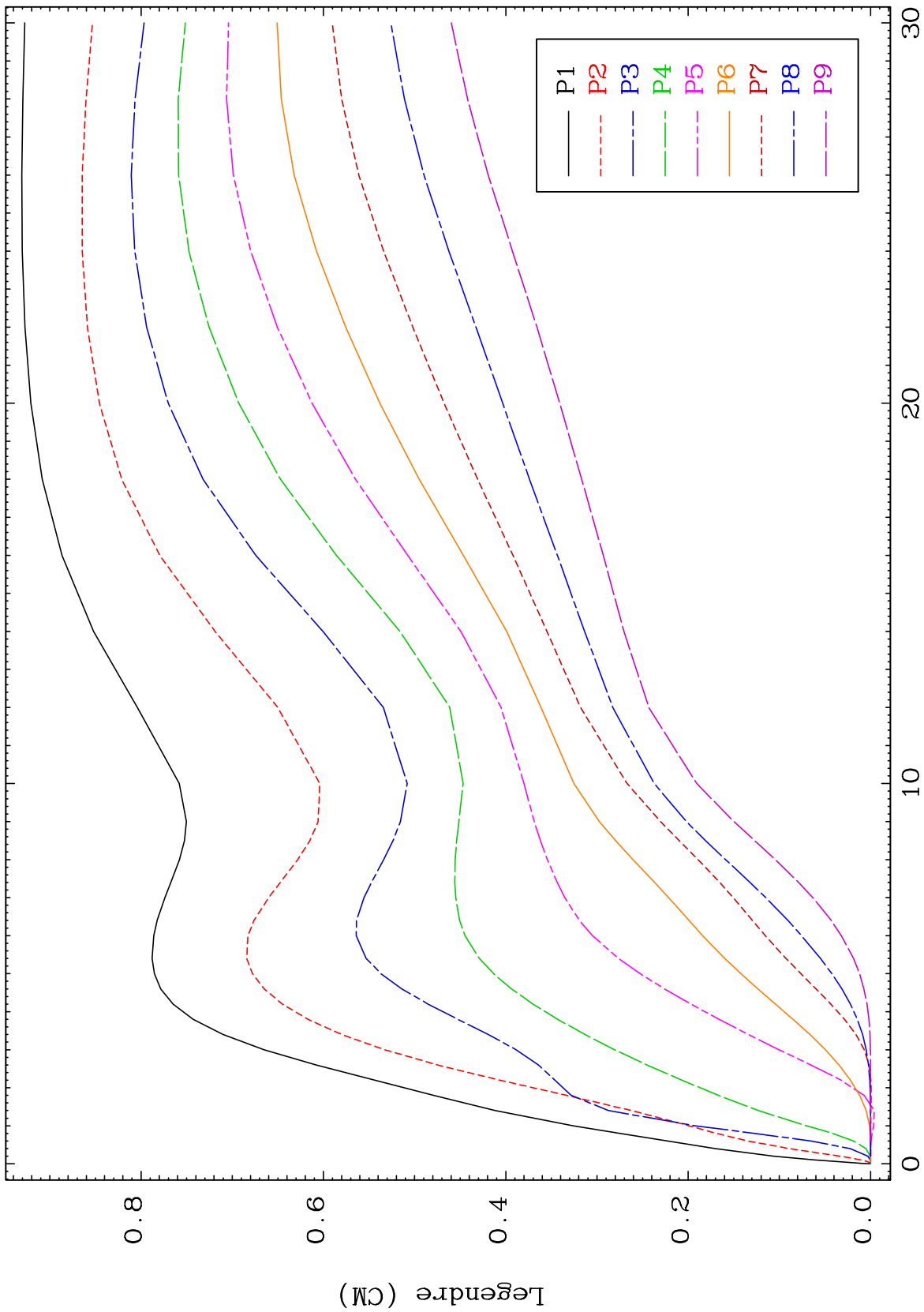
81-Tl-189



MAT 8083

81-Tl-189

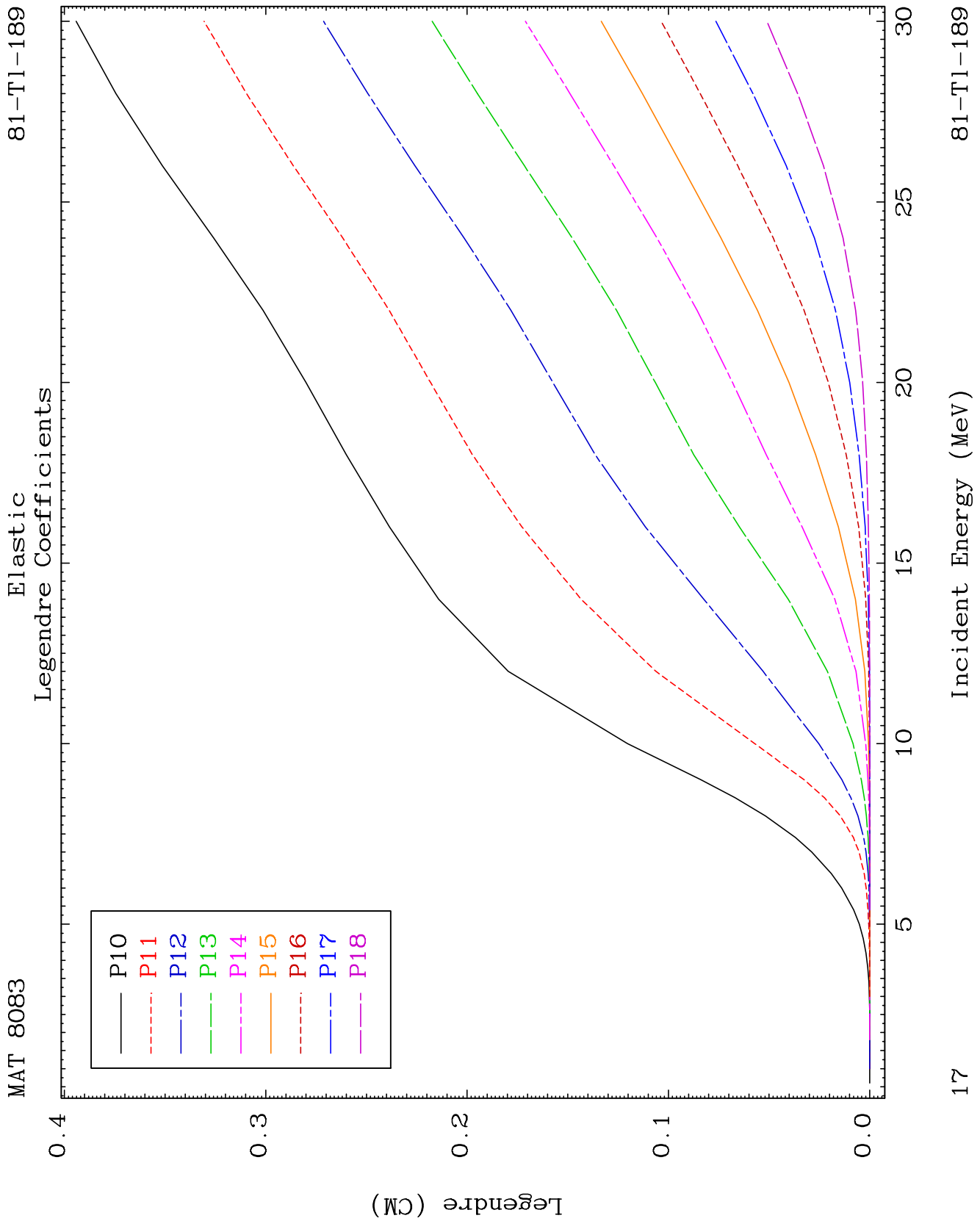
Elastic Legendre Coefficients



81-Tl-189

Incident Energy (MeV)

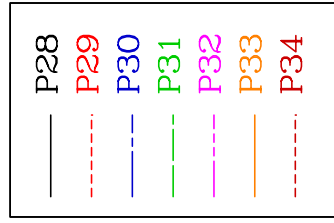
16



MAT 8083

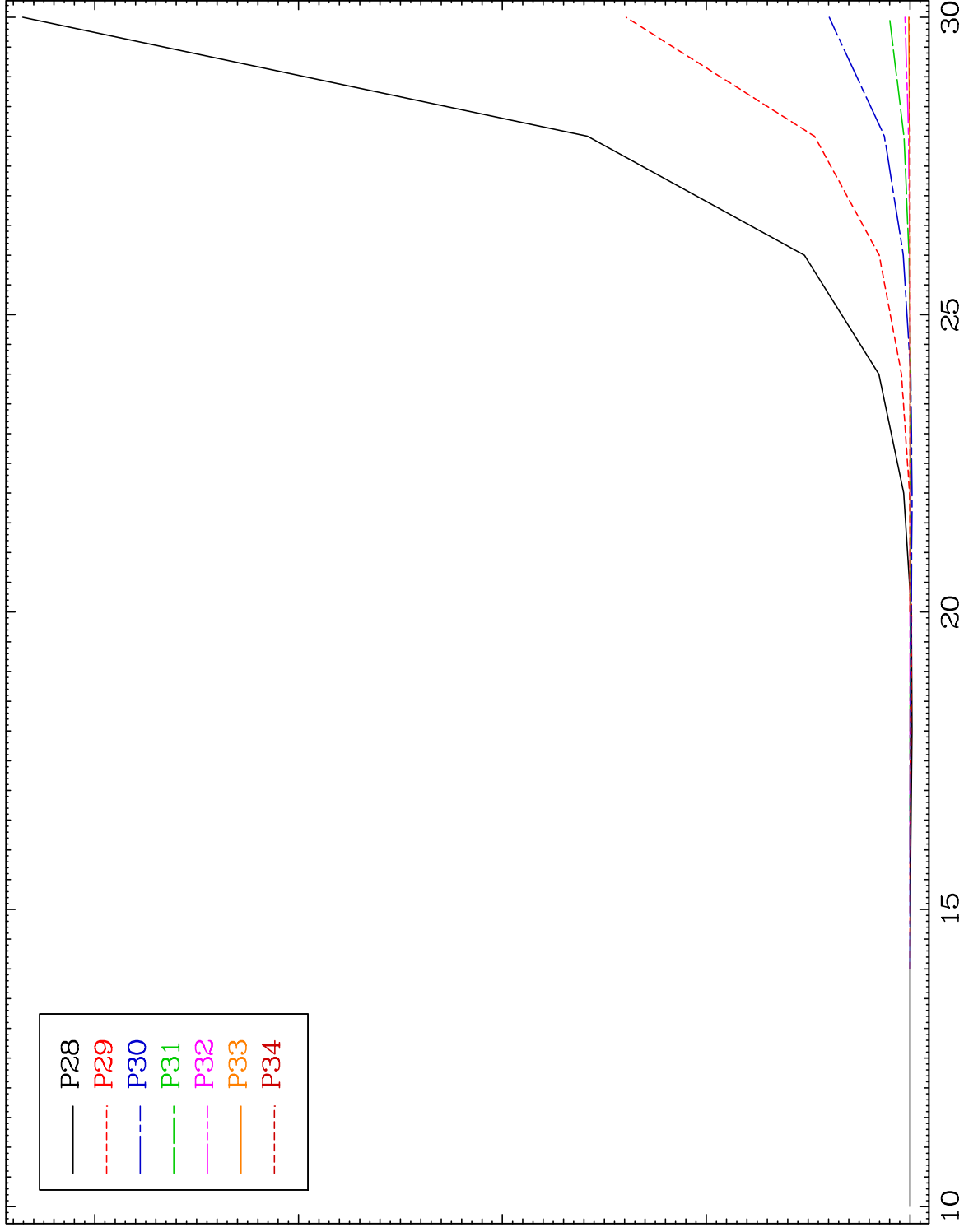
Elastic
Legendre Coefficients

81-Tl-189



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

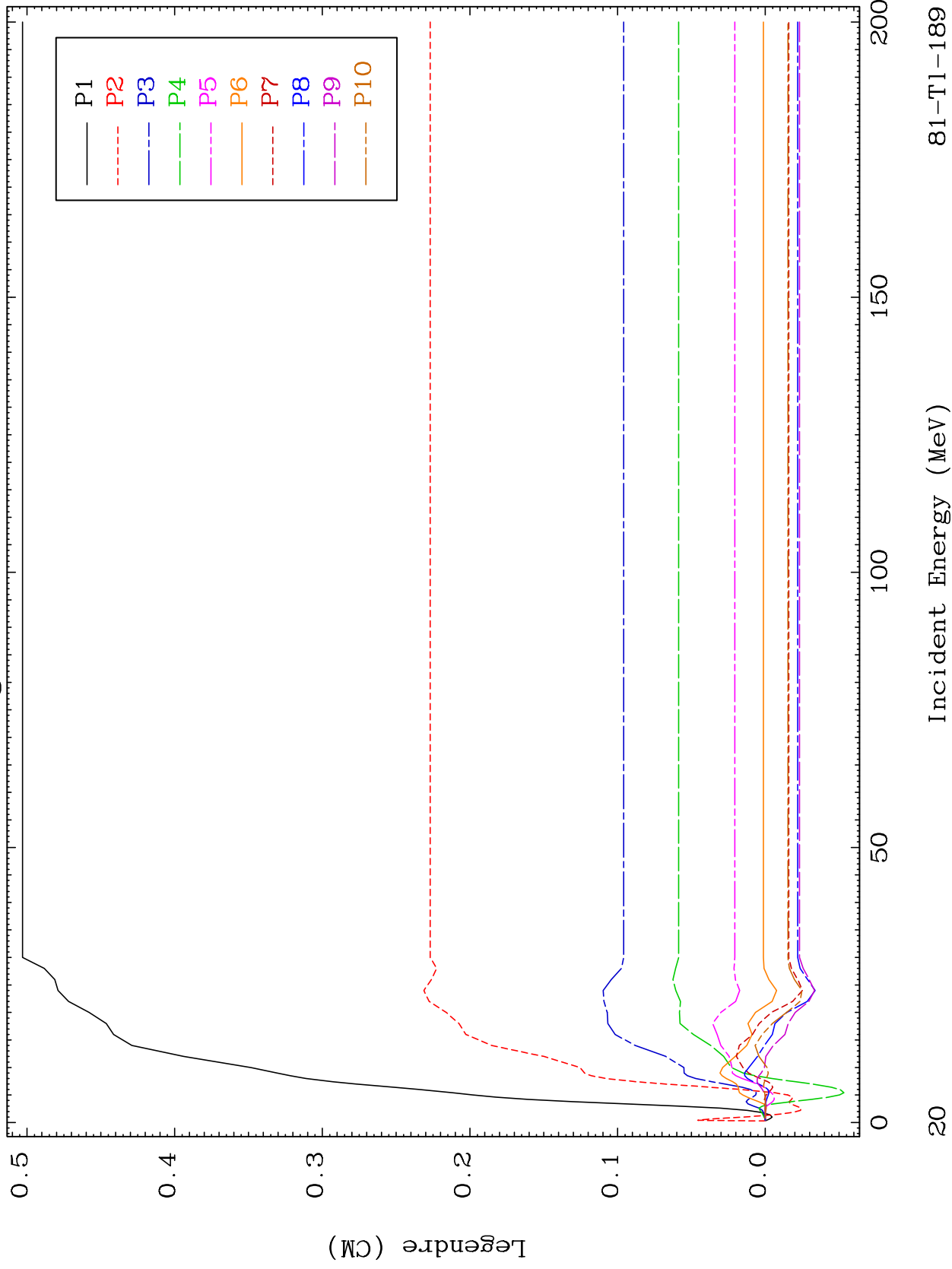
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



81-Tl-189

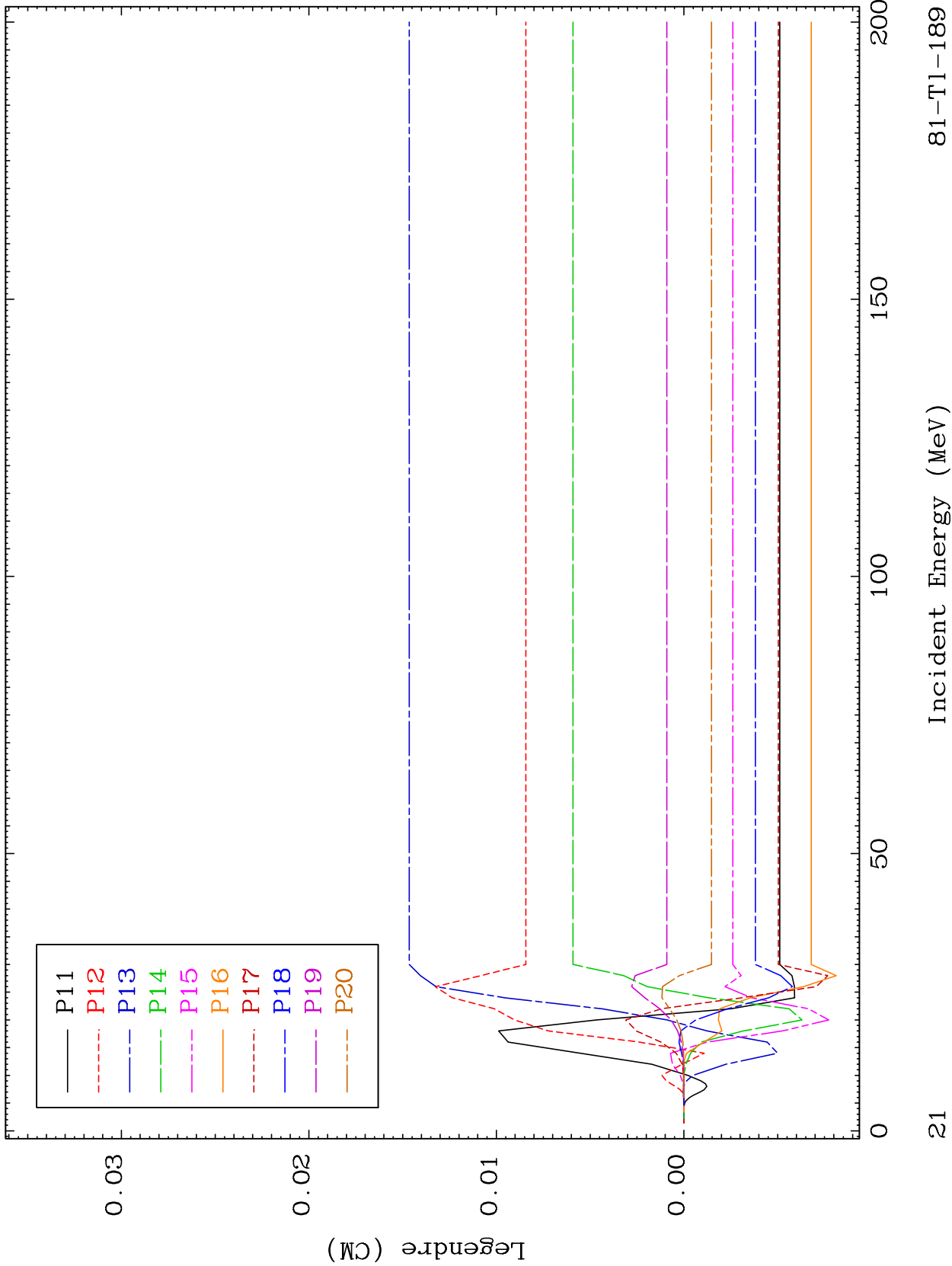
Incident Energy (MeV)

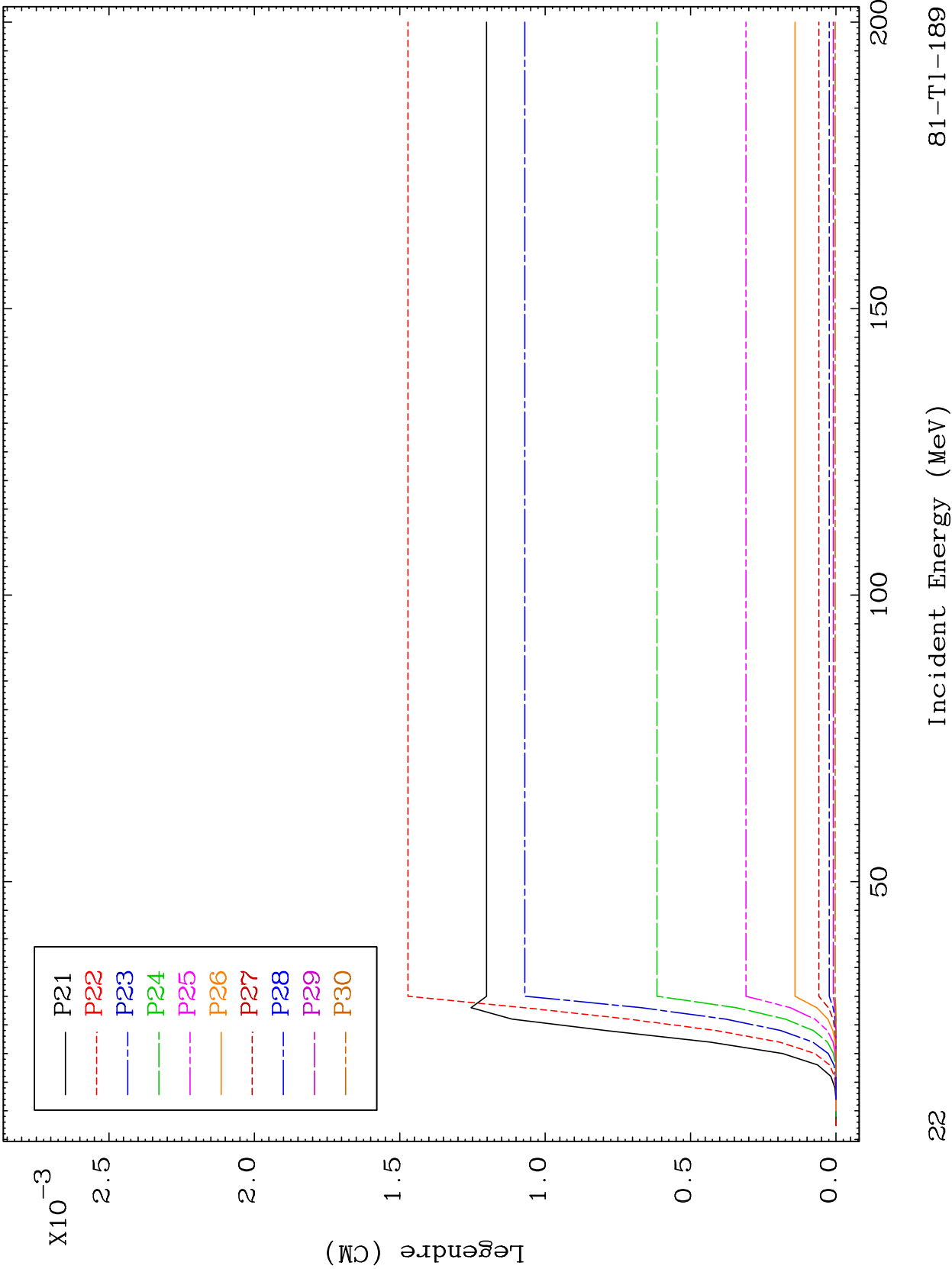
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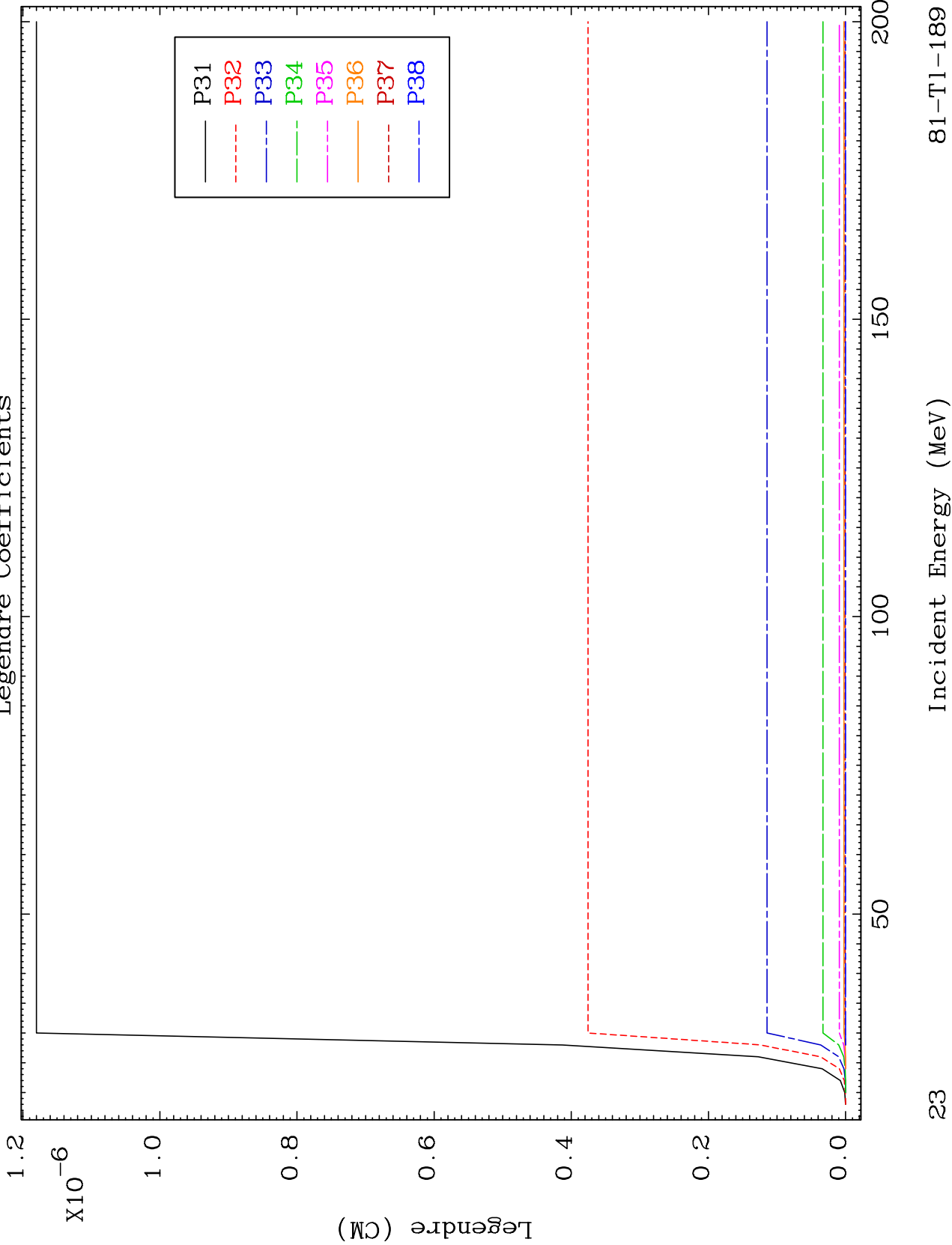
MAT 8083

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

81-Tl-189



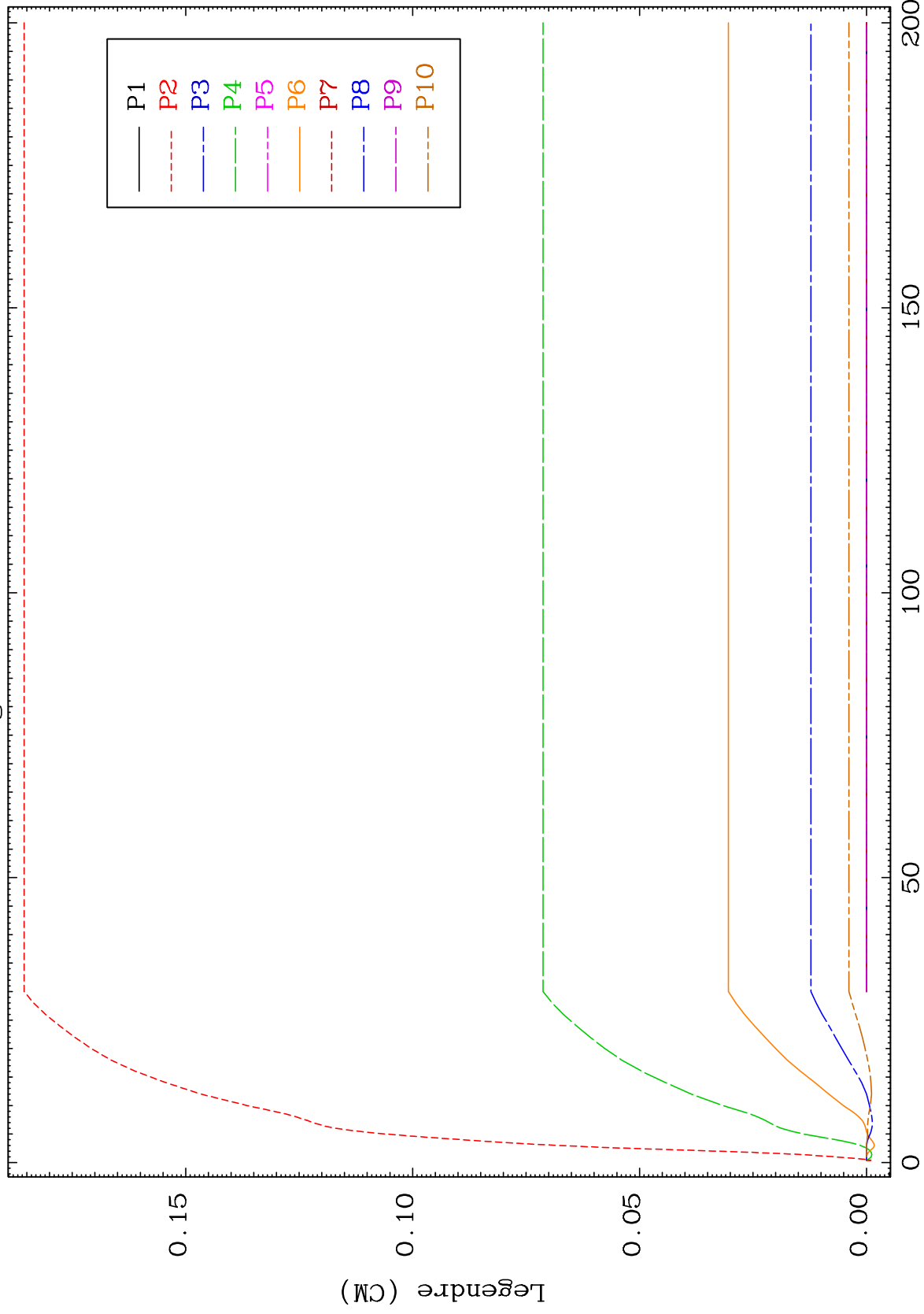




MAT 8083

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

81-Tl-189



24

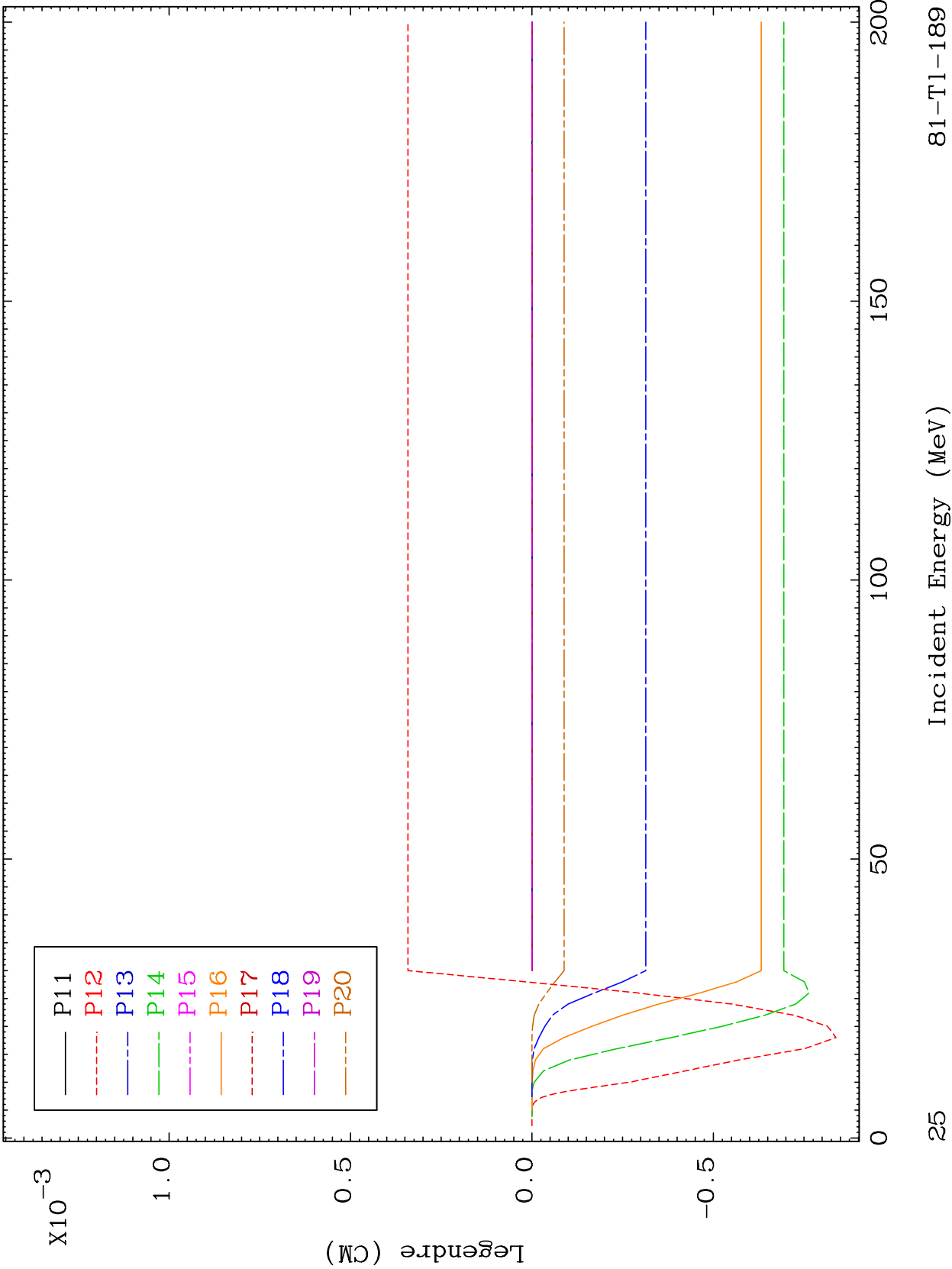
Incident Energy (MeV)

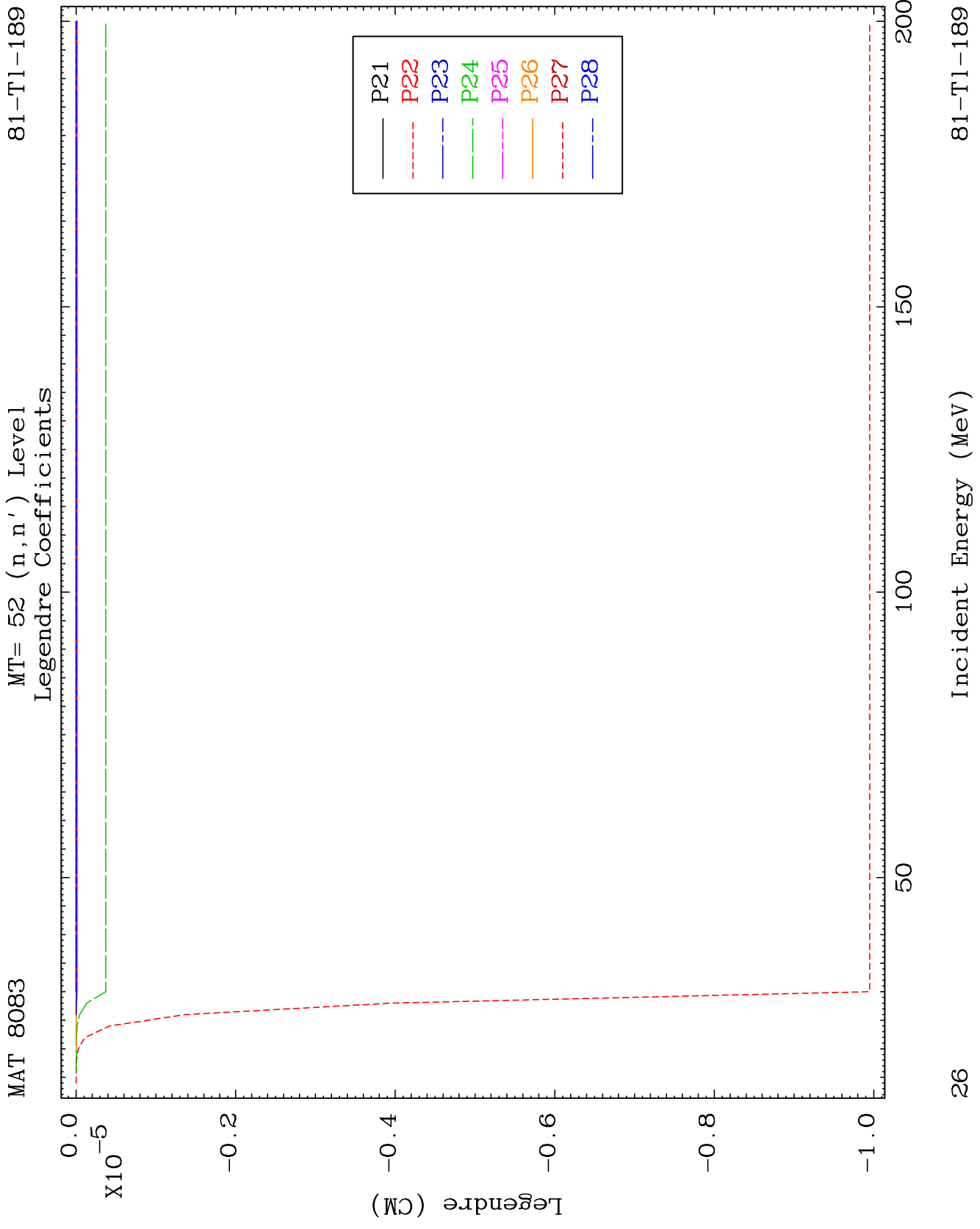
81-Tl-189

MAT 8083

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

81-Tl-189

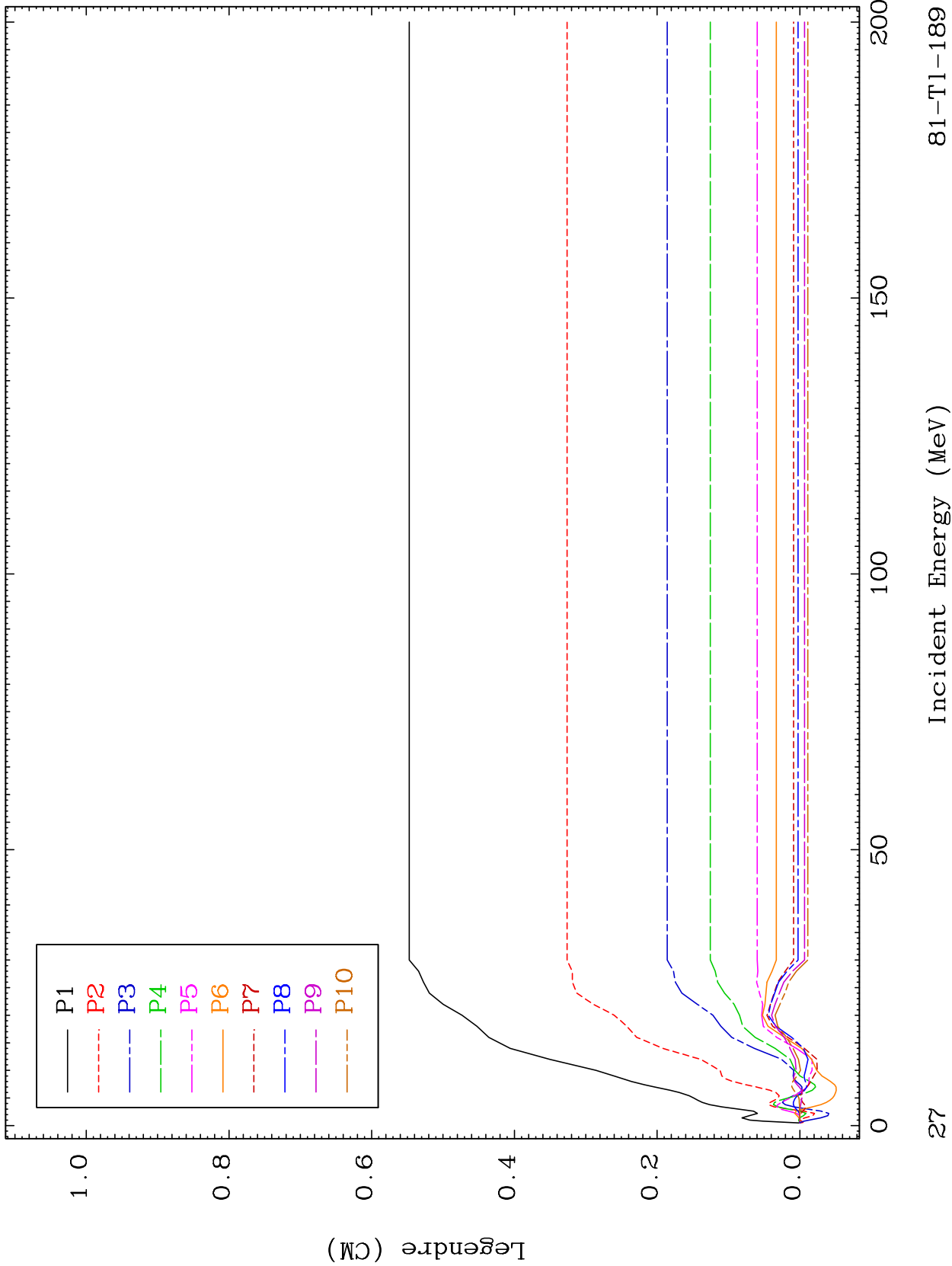




MAT 8083

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

81-Tl-189



27

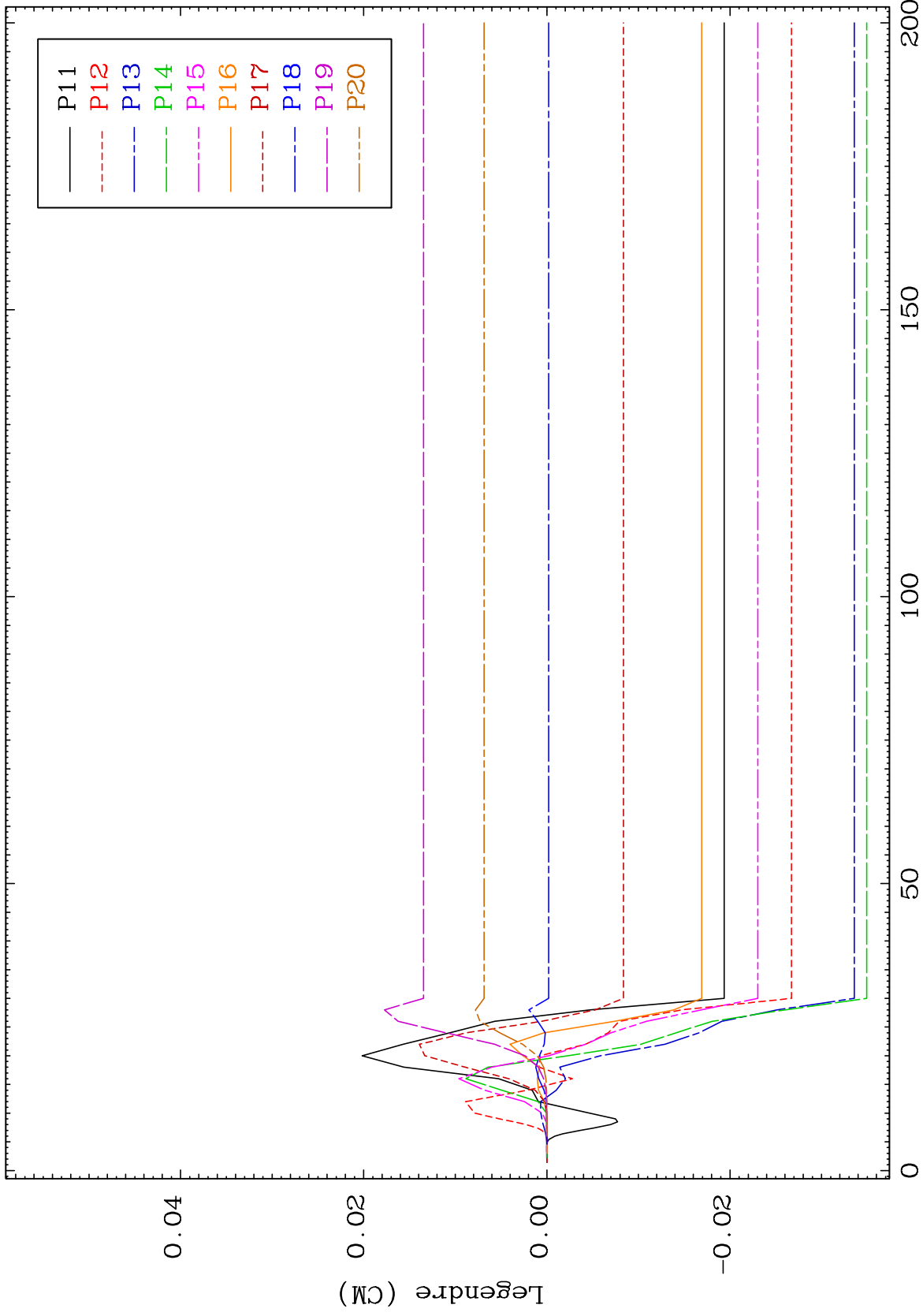
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

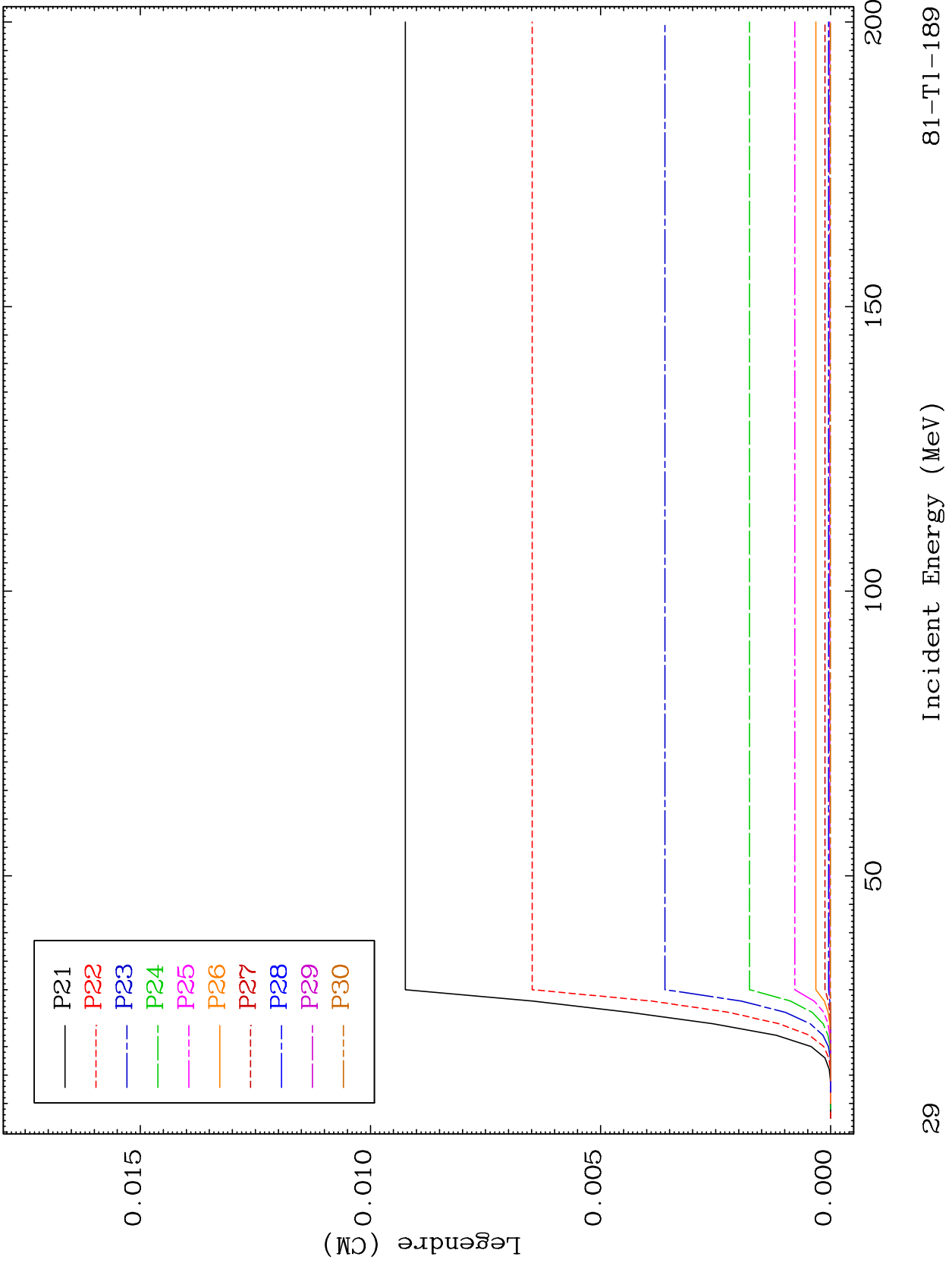
81-Tl-189



28

Incident Energy (MeV)

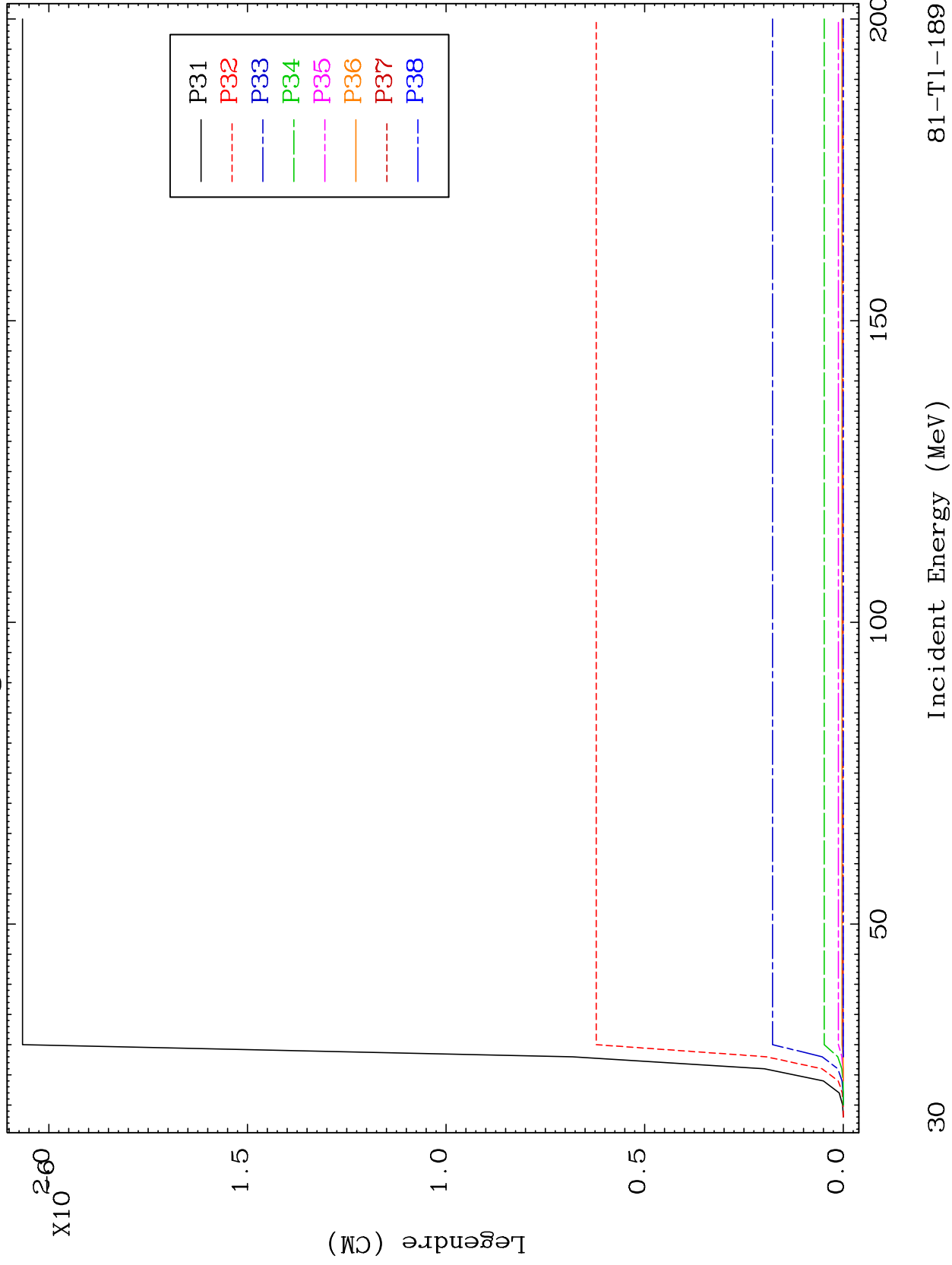
81-Tl-189



MAT 8083

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

81-Tl-189

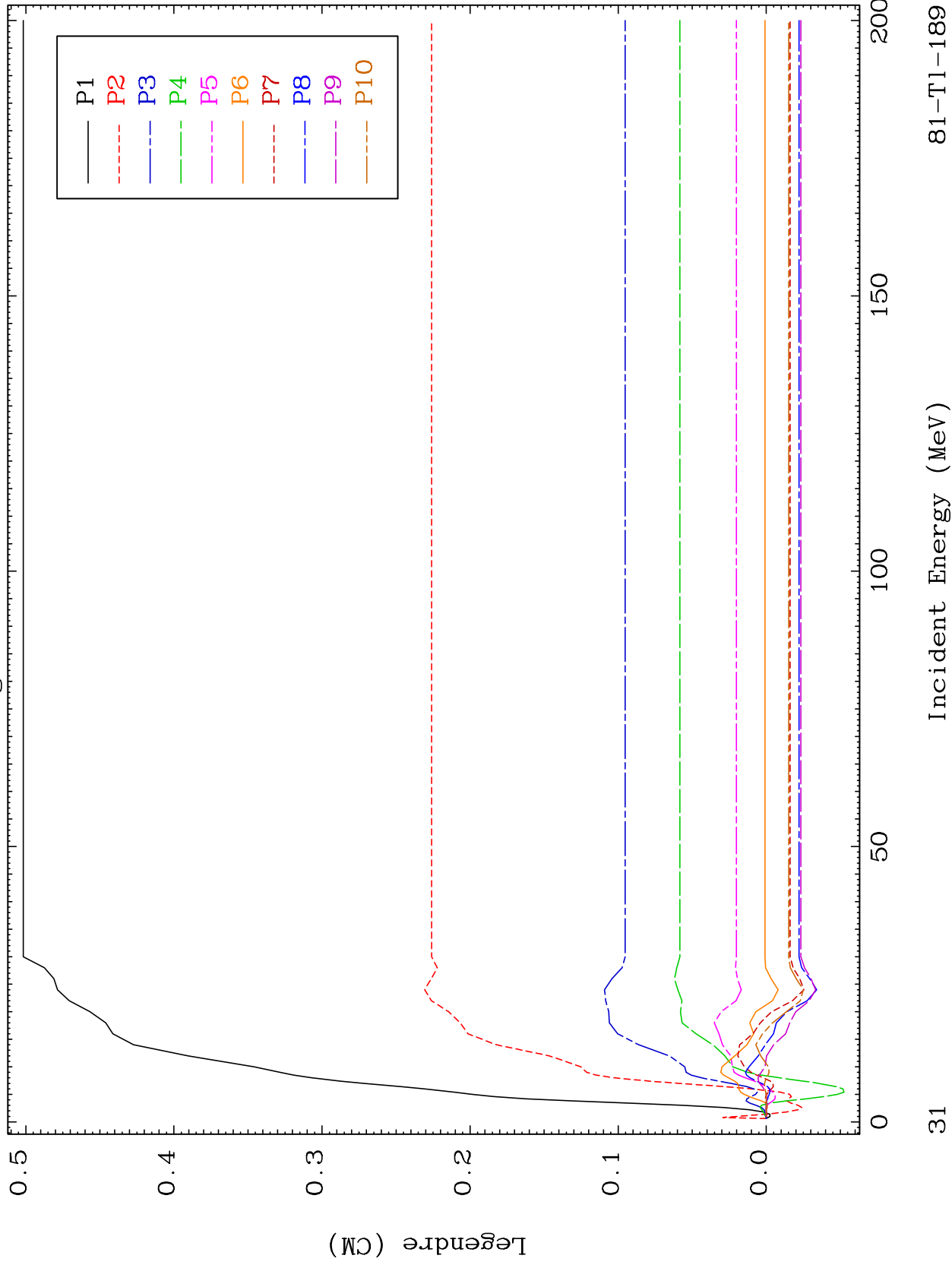


MAT 8083

MT= 54 (n,n') Level

81-Tl-189

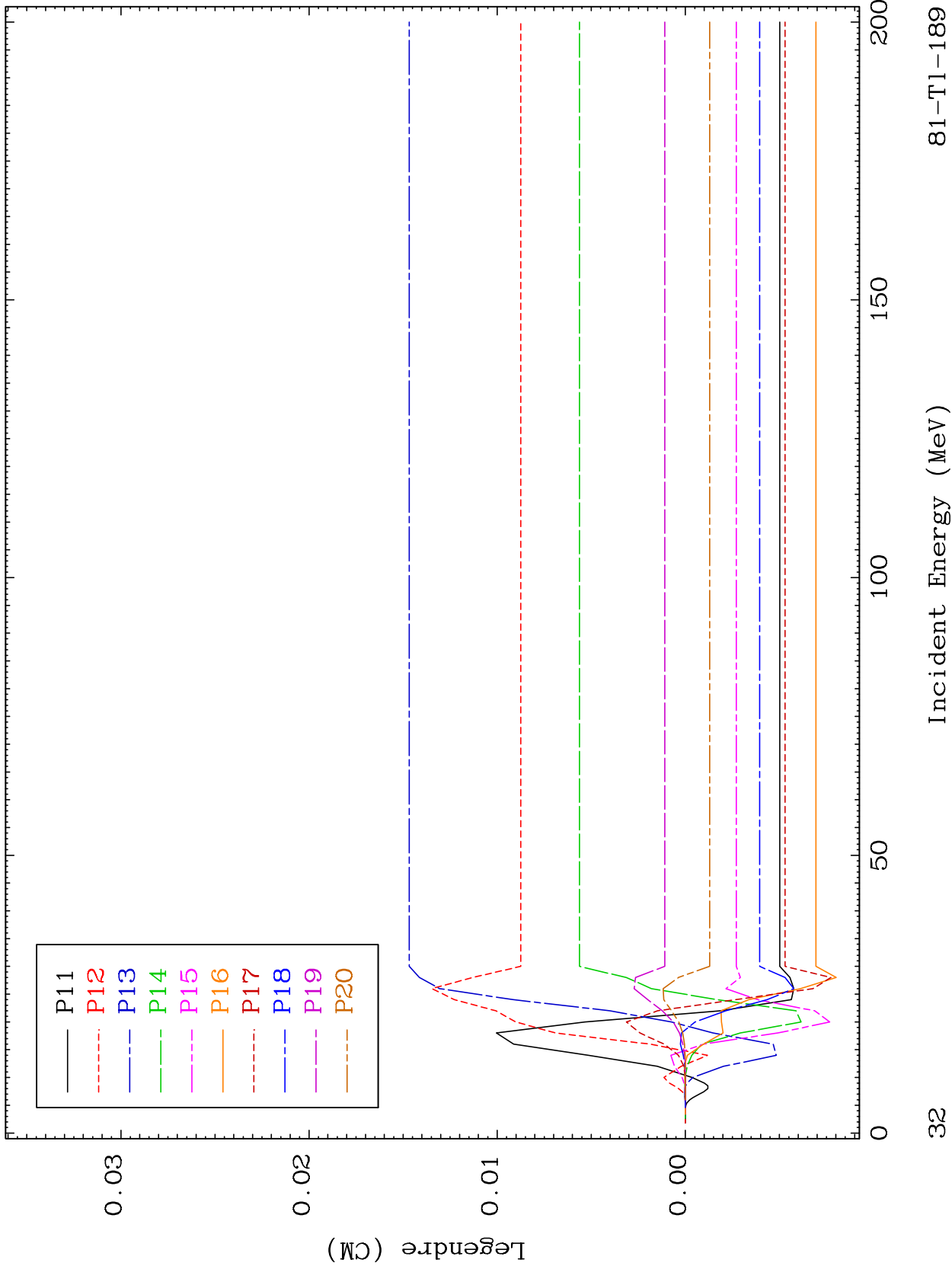
Legendre Coefficients



MAT 8083

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

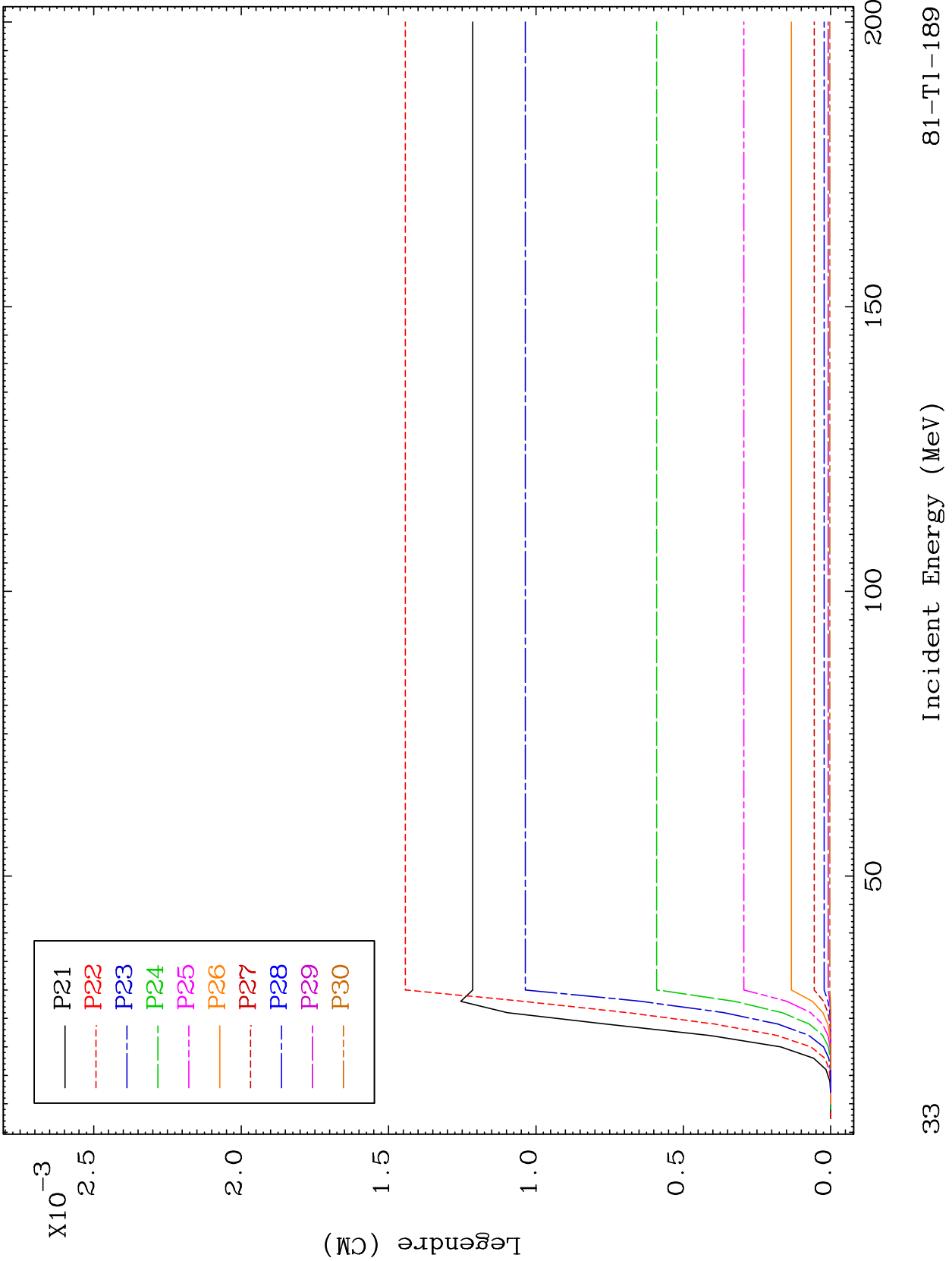
81-Tl-189



32

Incident Energy (MeV)

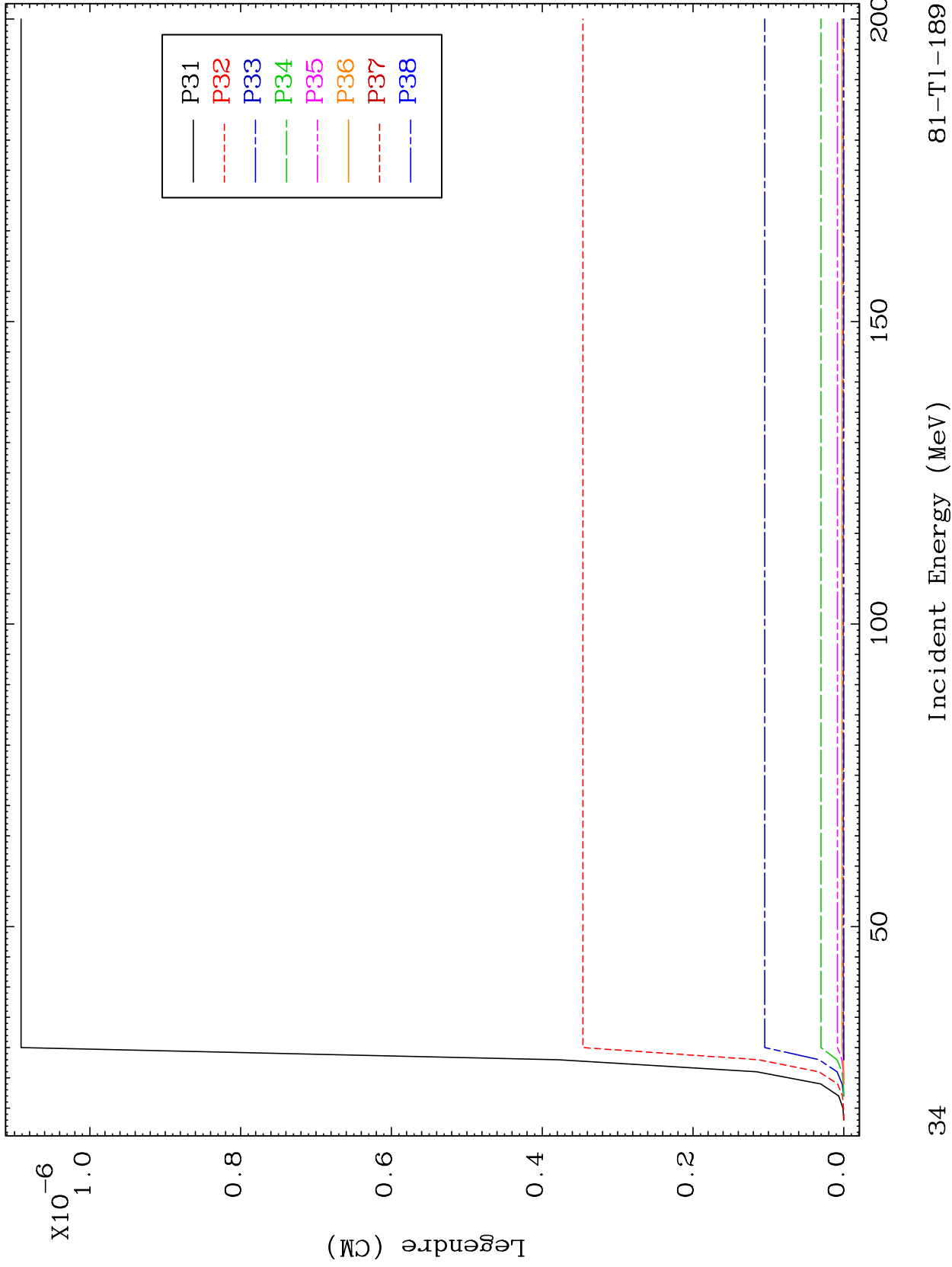
81-Tl-189



MAT 8083

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

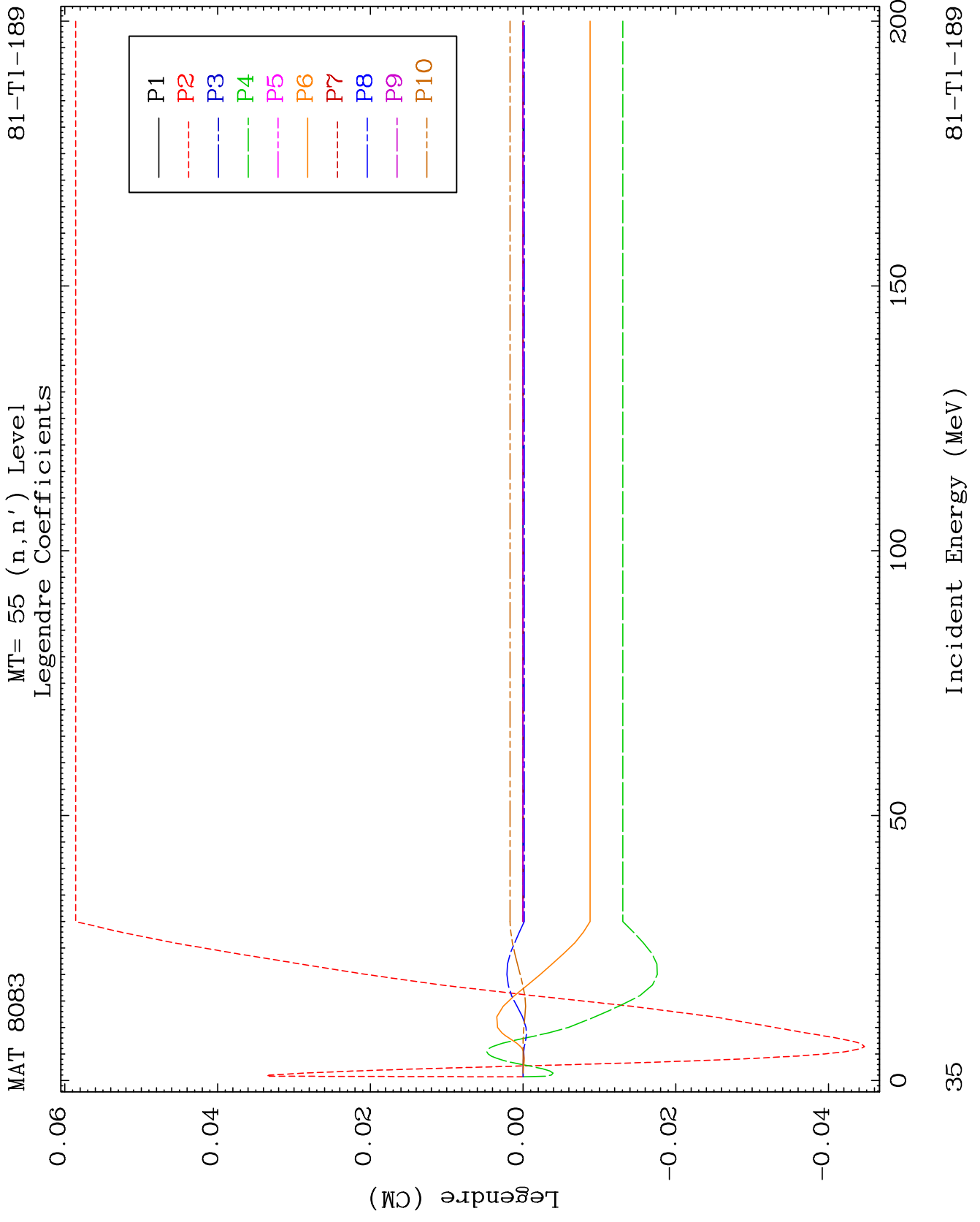
81-Tl-189



34

Incident Energy (MeV)

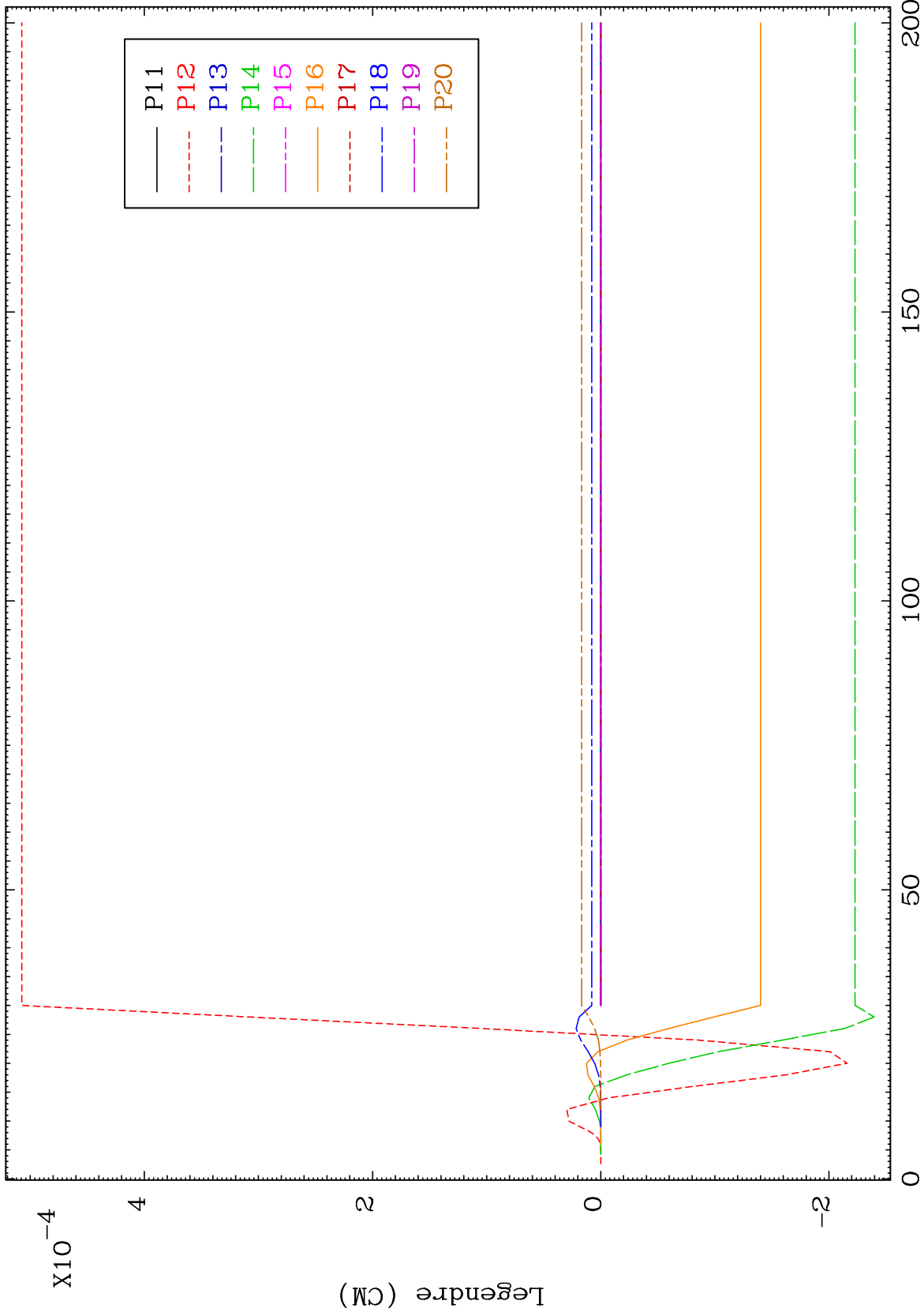
81-Tl-189



MAT 8083

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

81-Tl-189



36

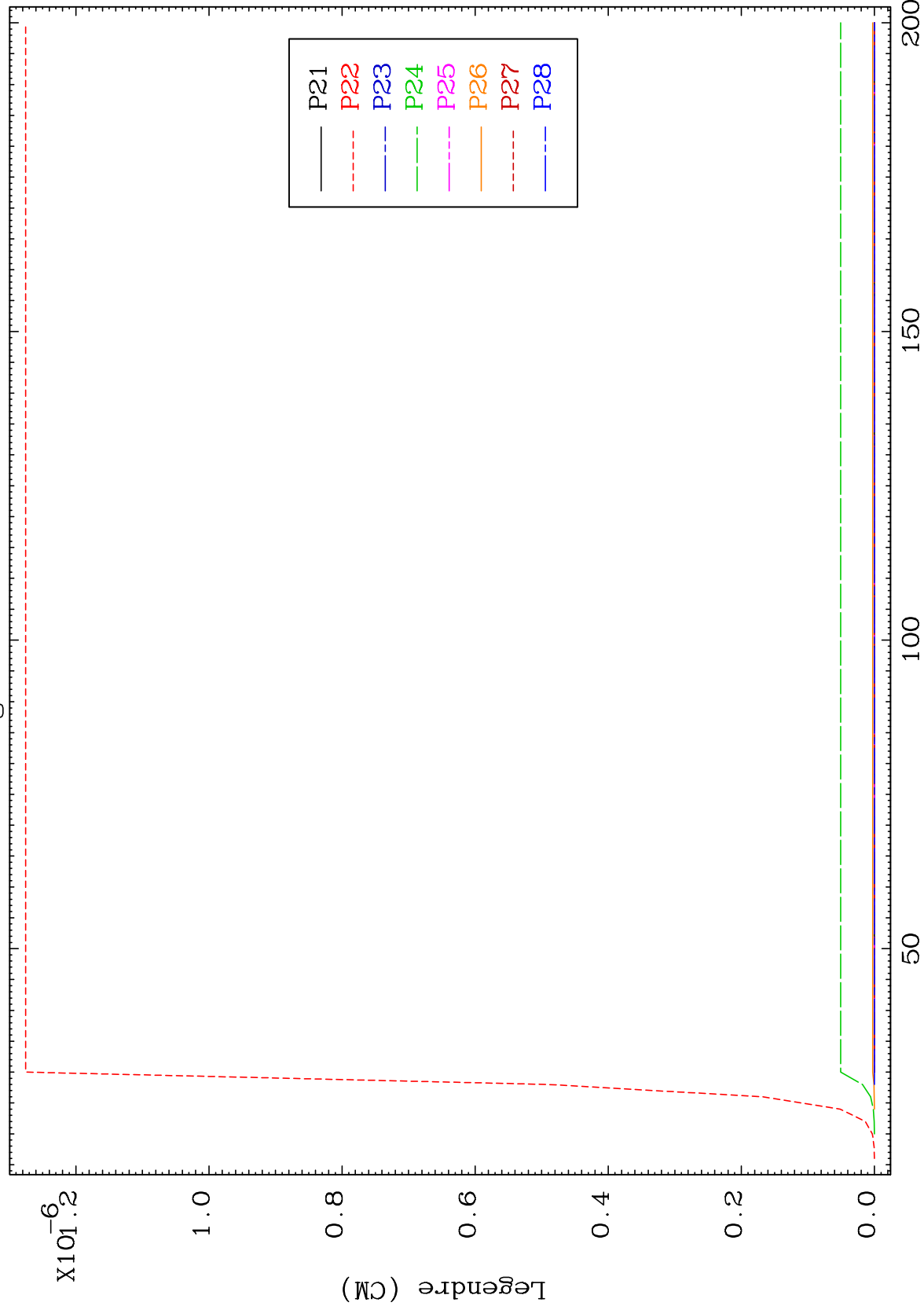
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



37

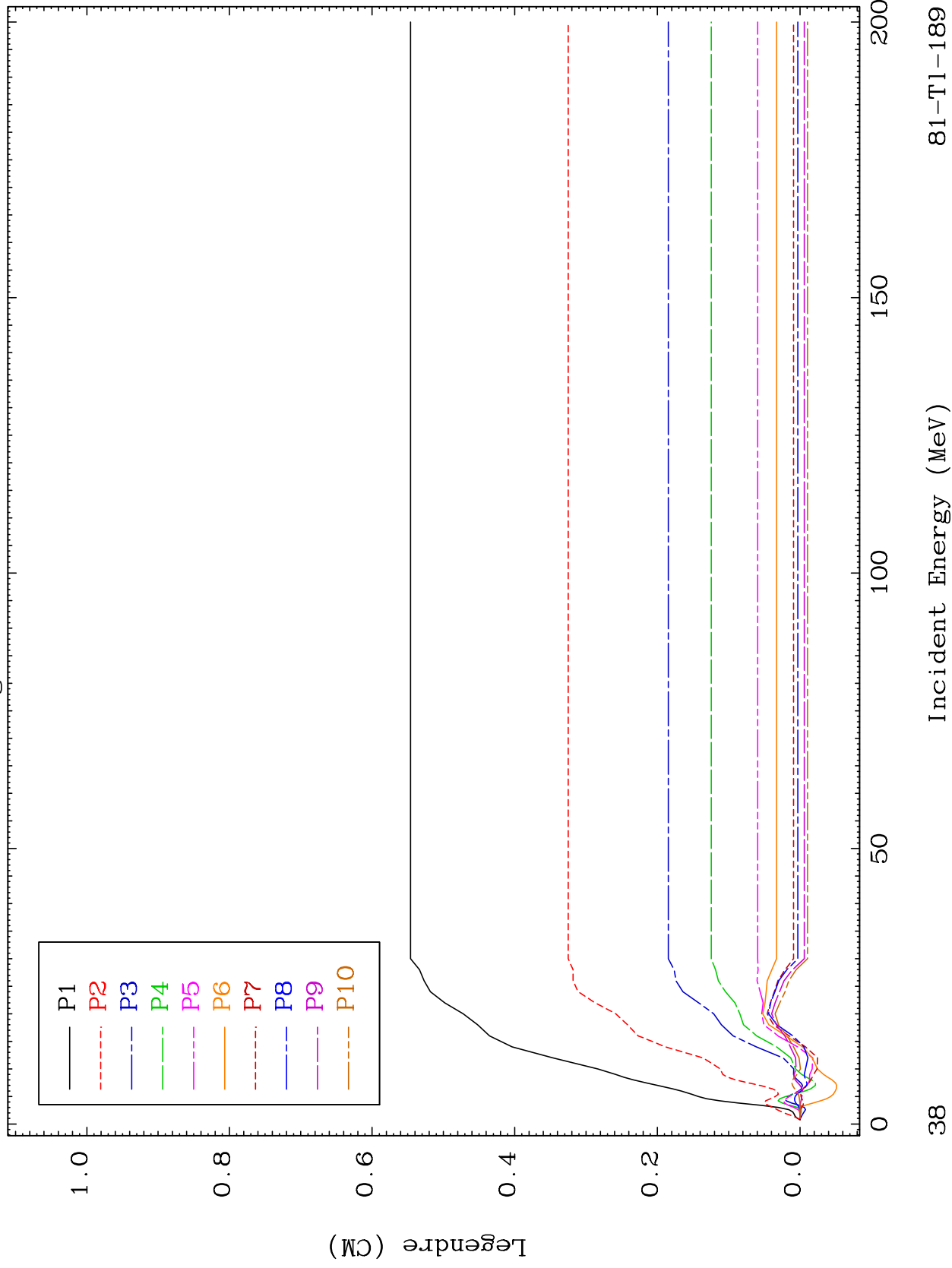
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189

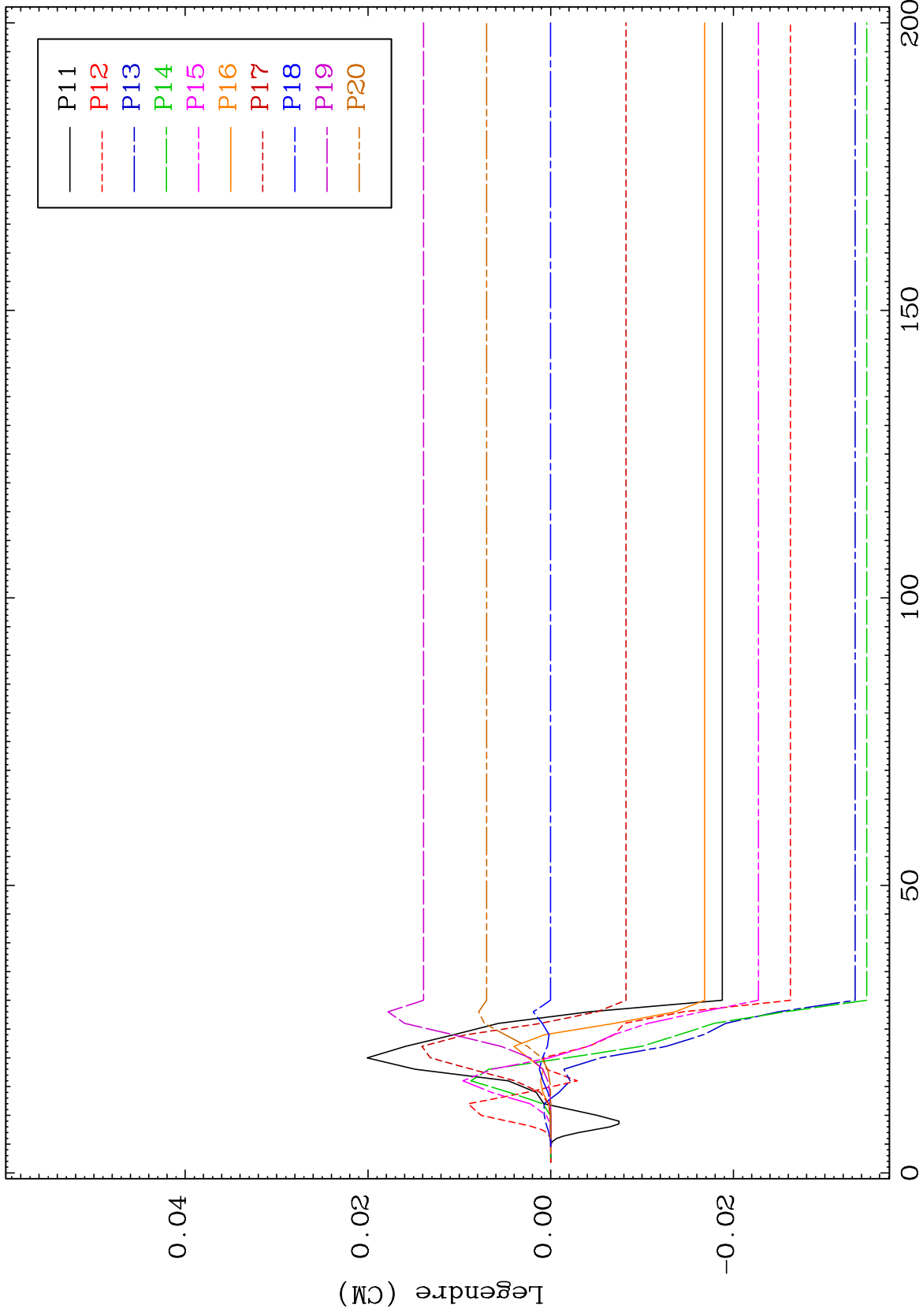


38

MAT 8083

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

81-Tl-189



39

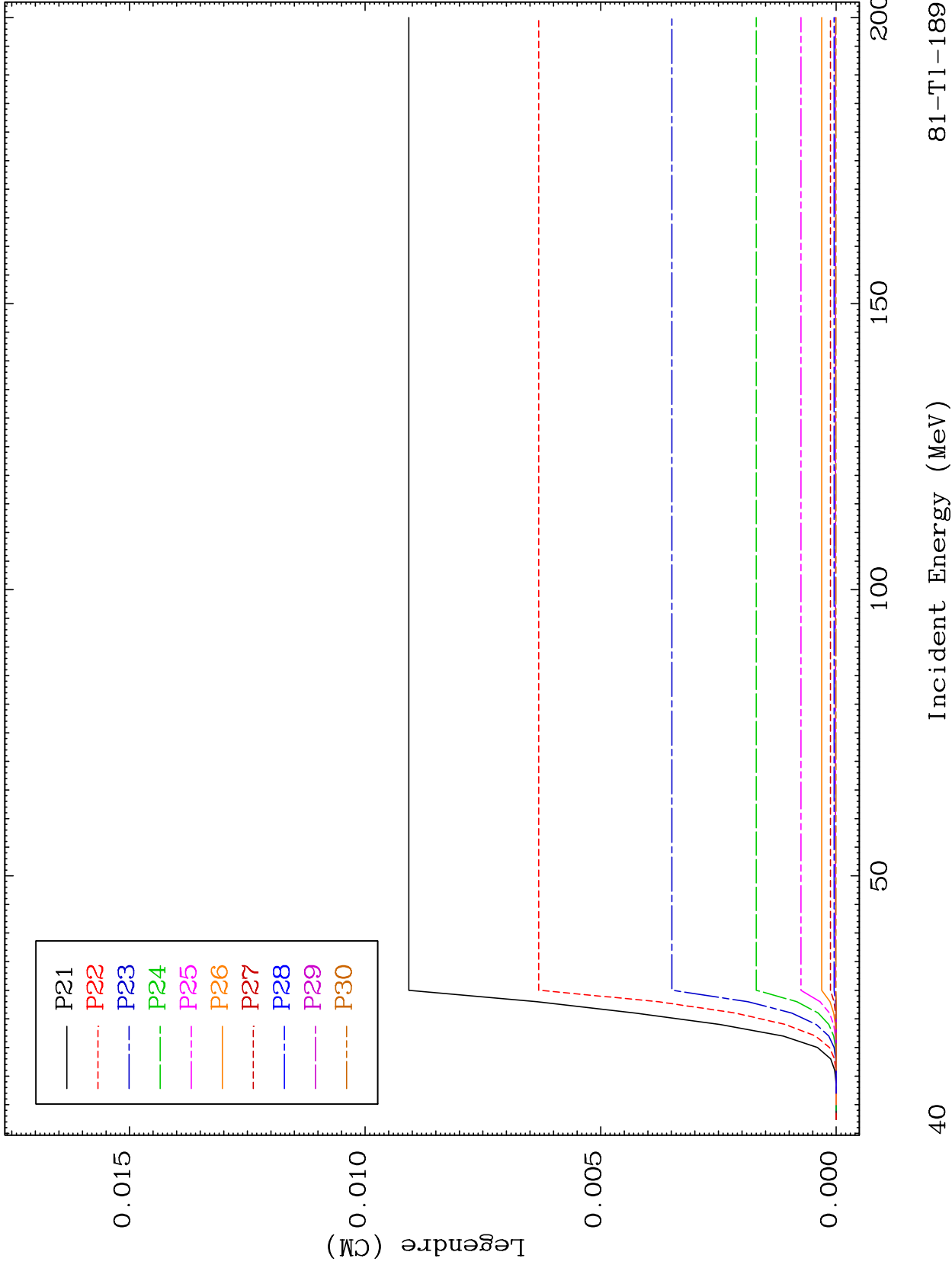
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



40

50

100

150

200

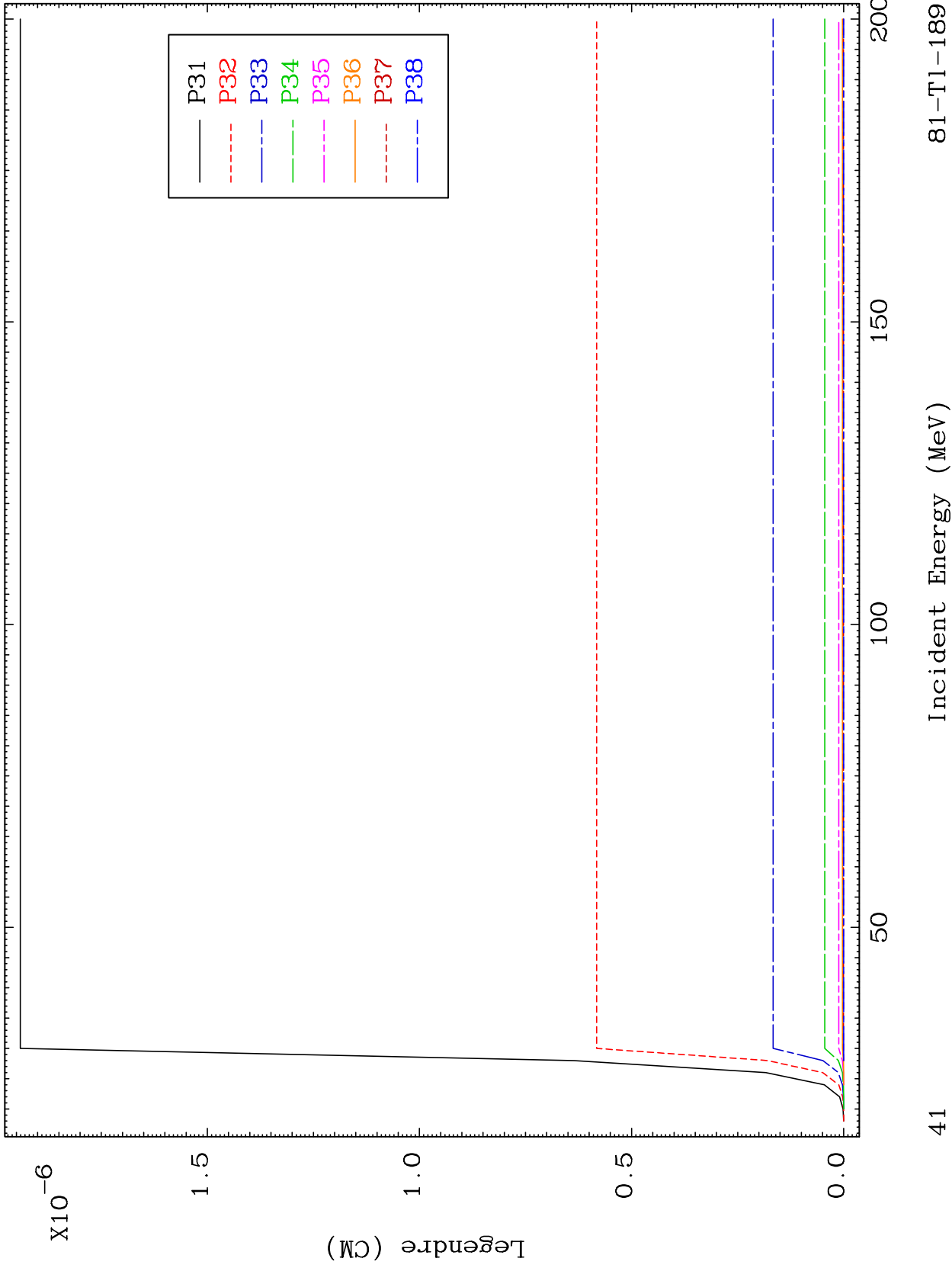
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189

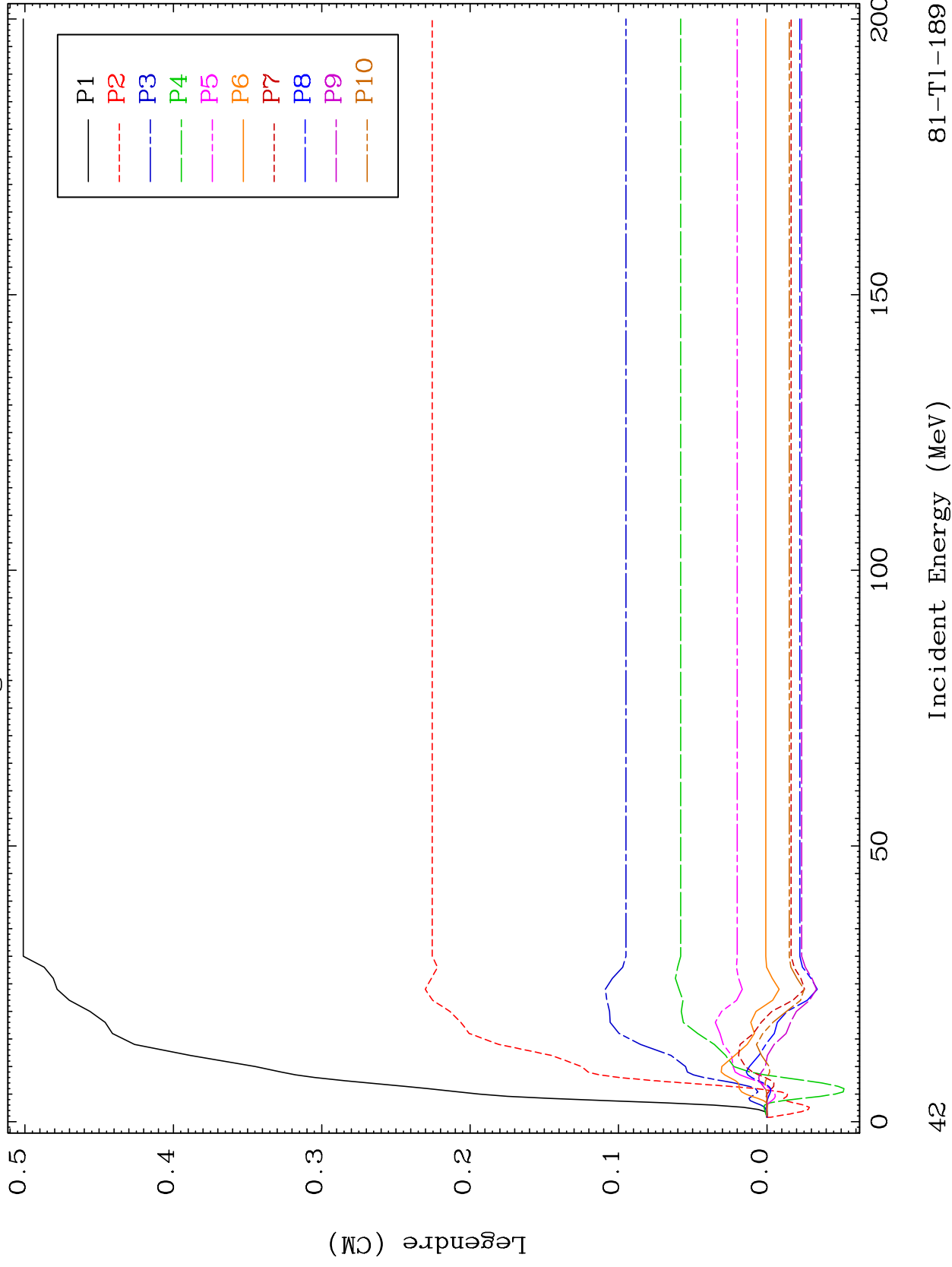


MAT 8083

MT= 57 (n,n') Level

81-Tl-189

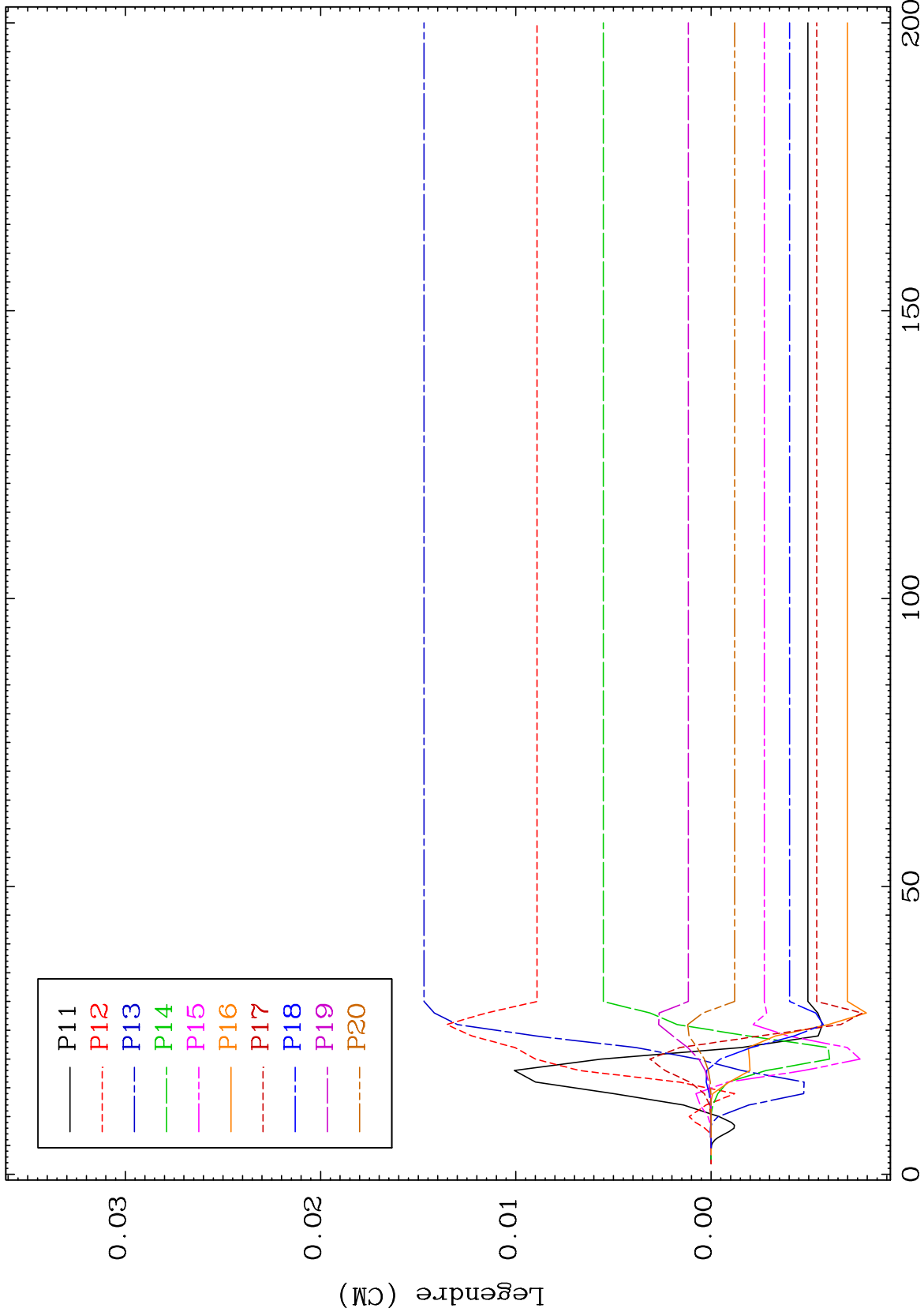
Legendre Coefficients



MAT 8083

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

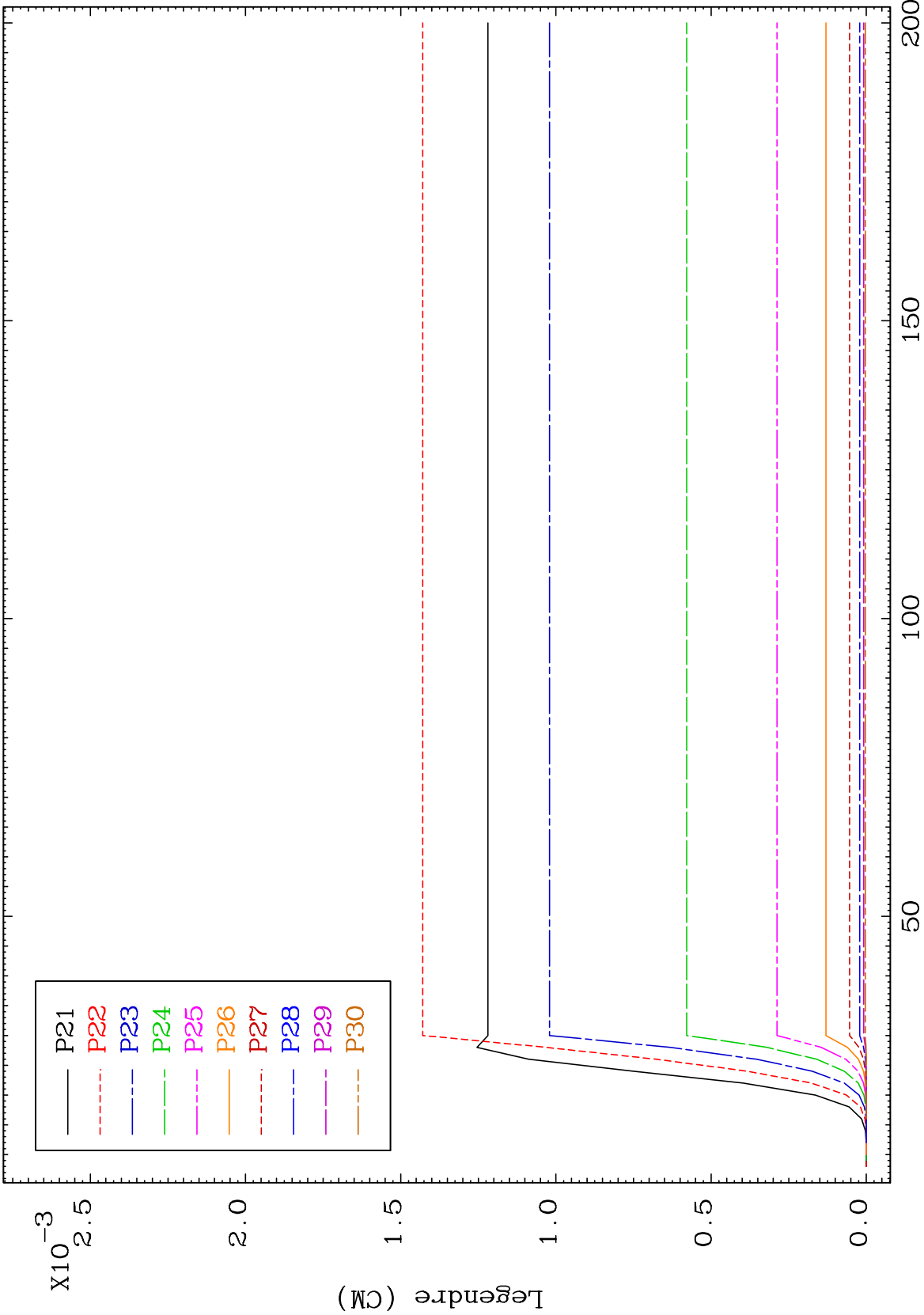
81-Tl-189



43

Incident Energy (MeV)

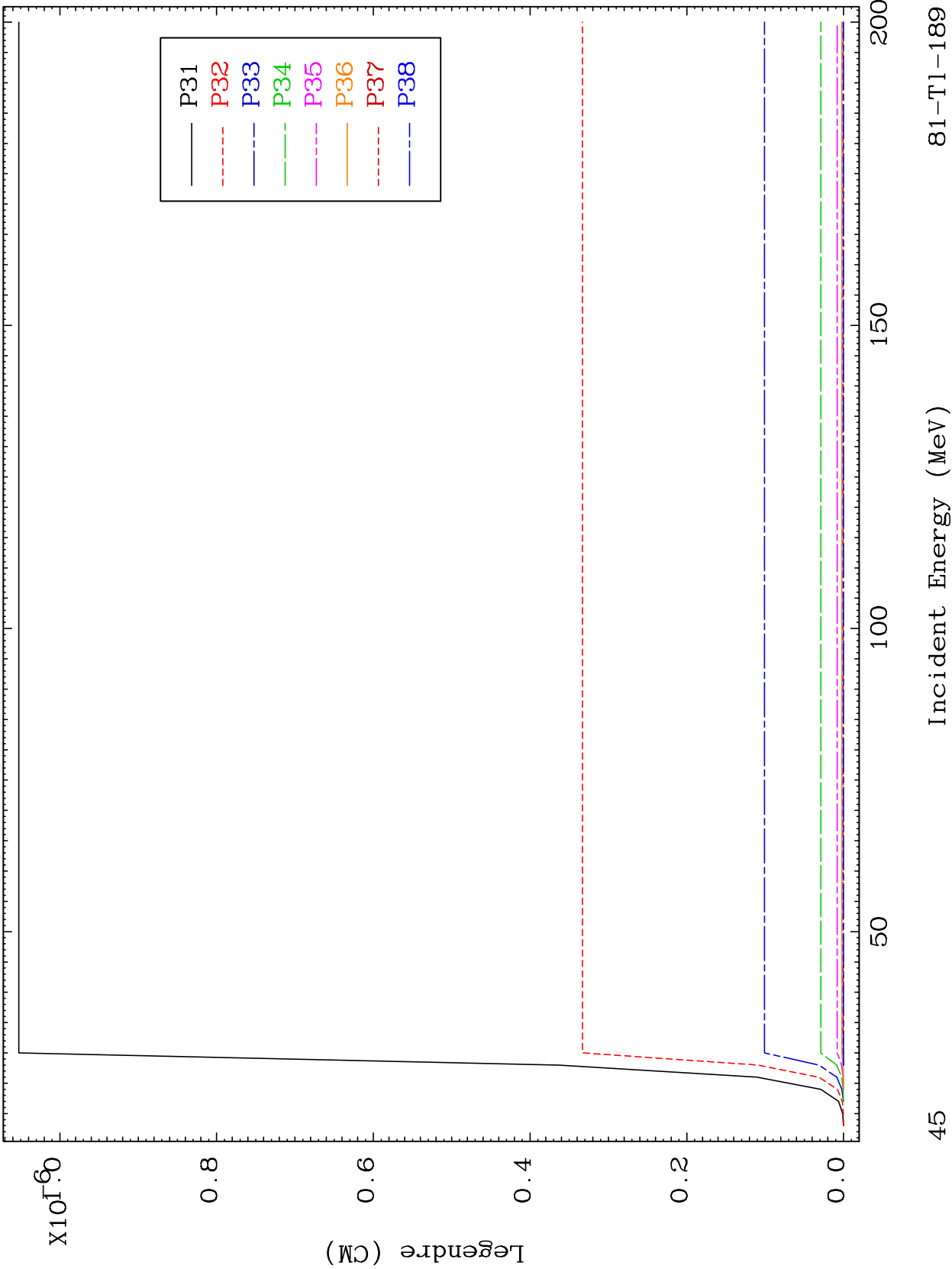
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MAT 8083

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

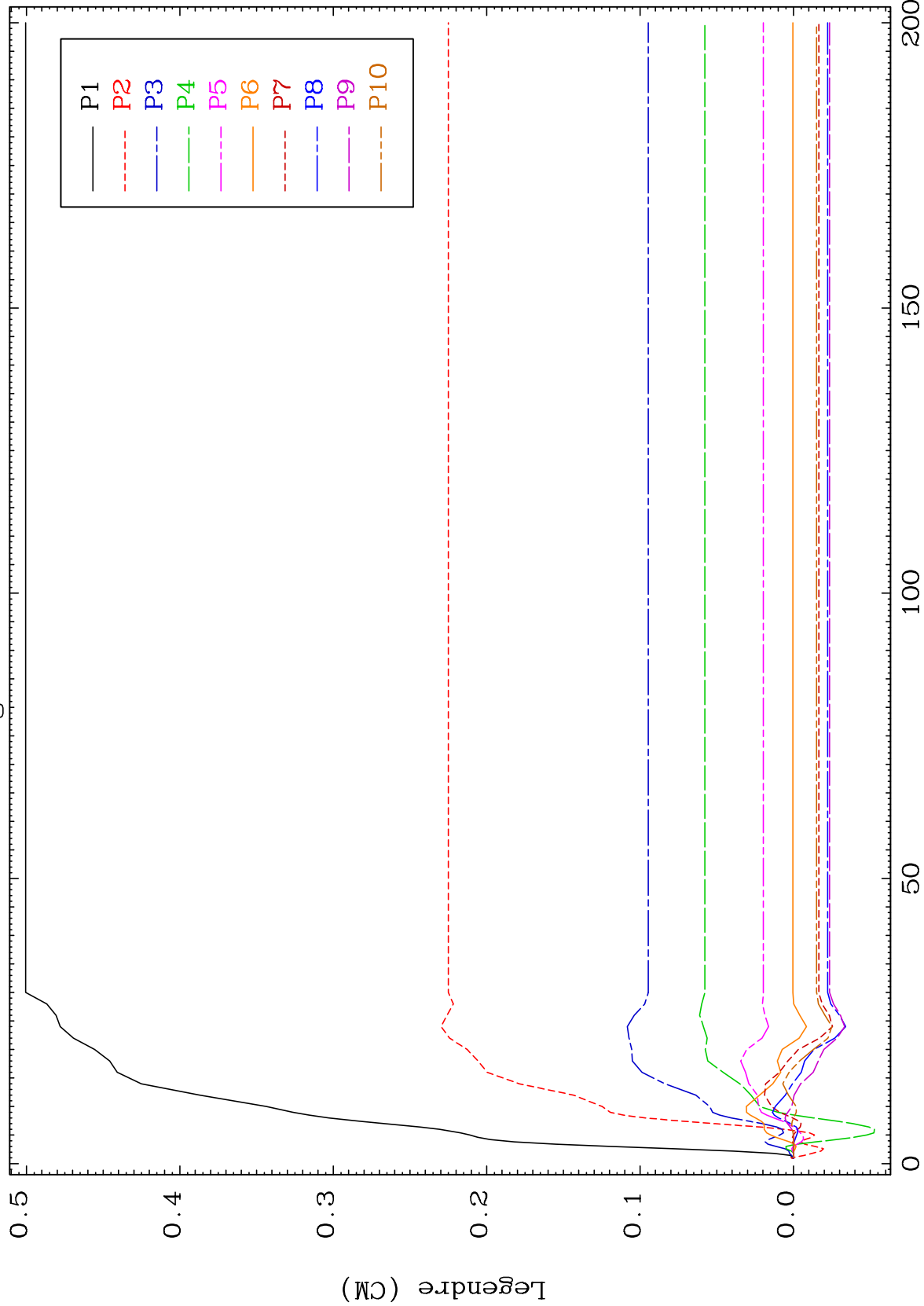
81-Tl-189



MAT 8083

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

81-Tl-189



46

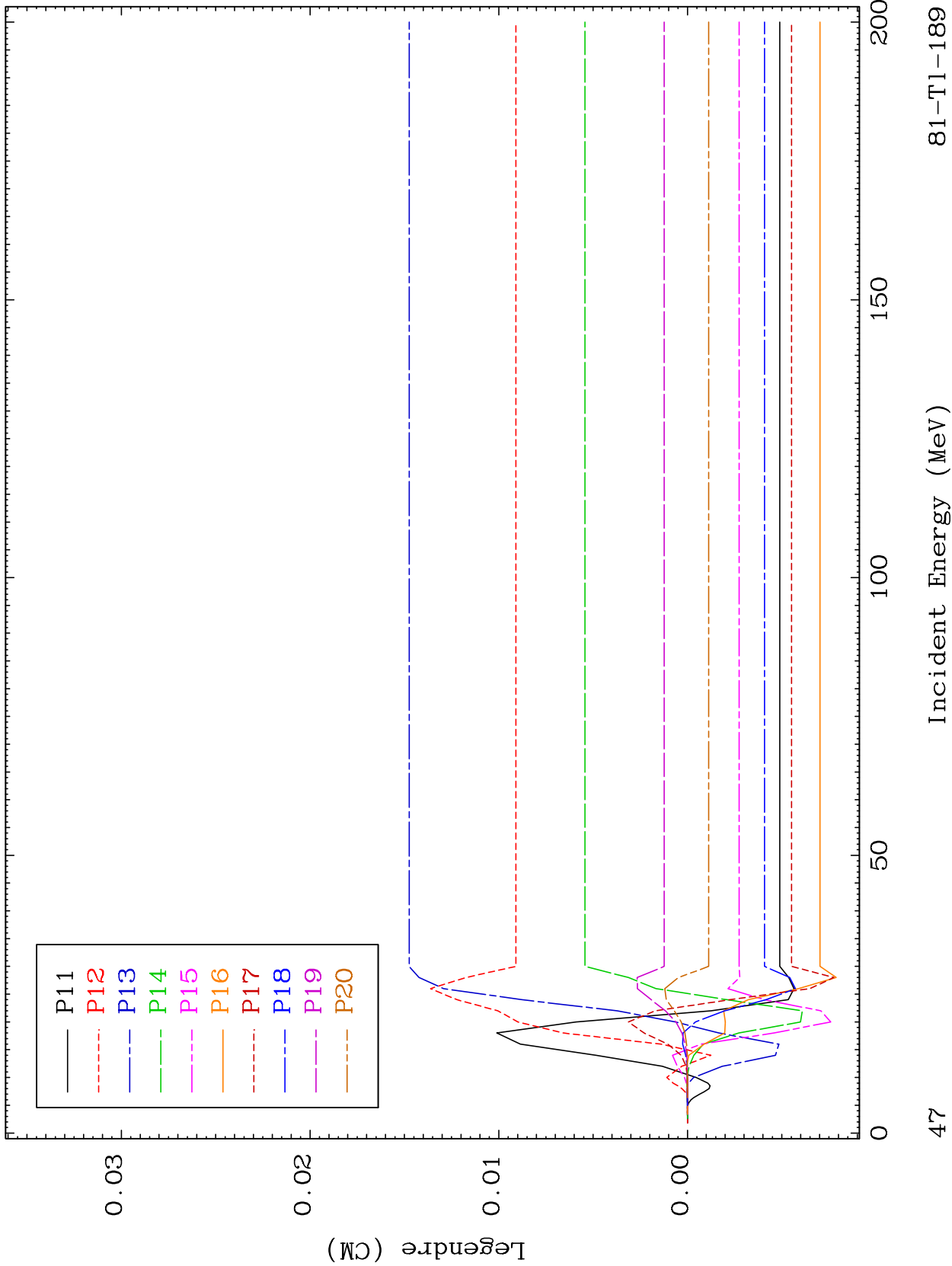
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



47

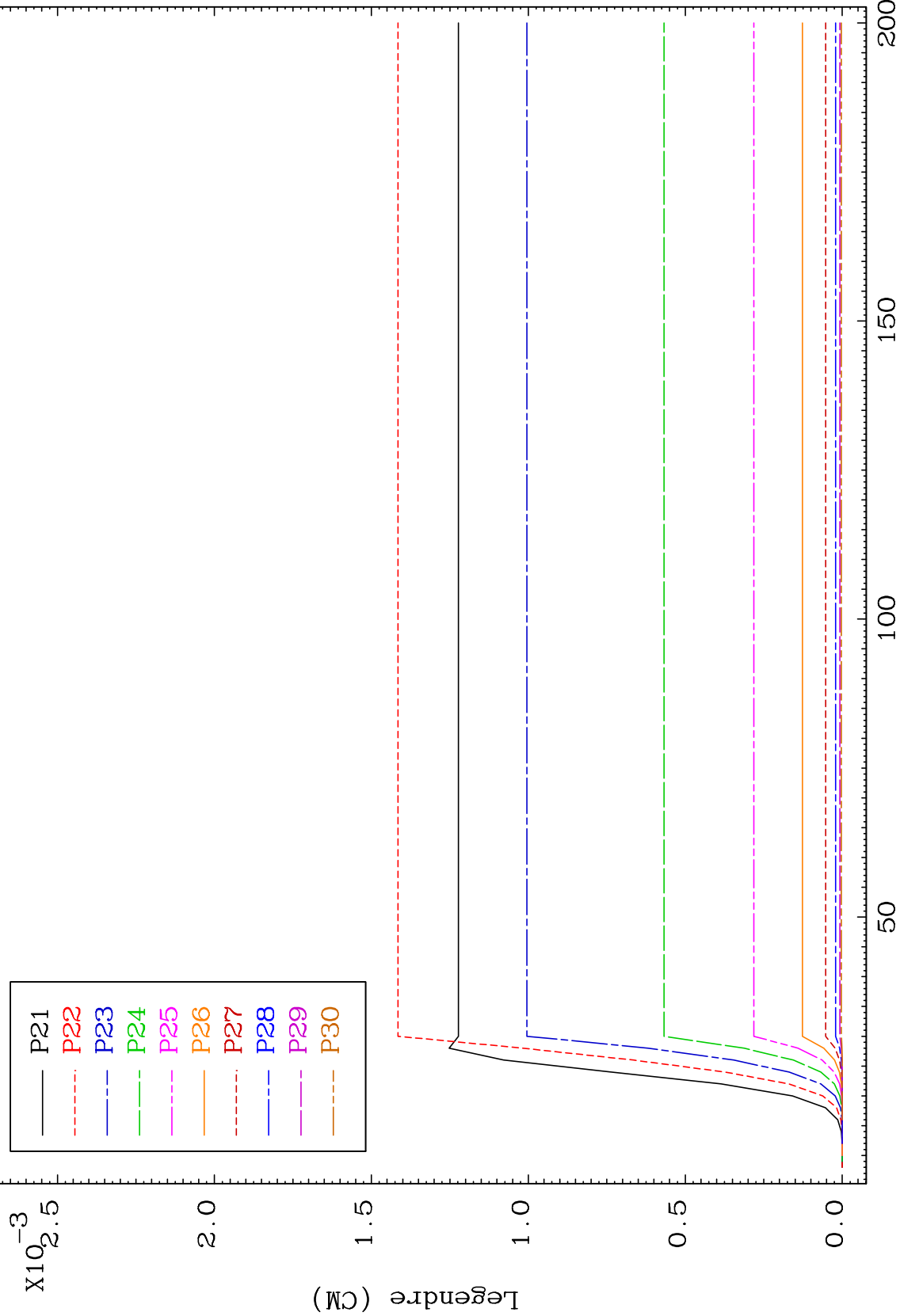
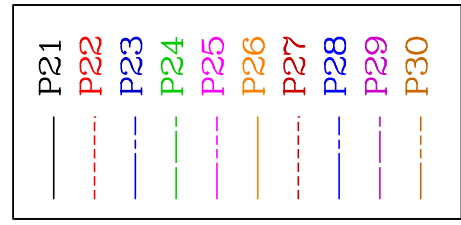
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



48

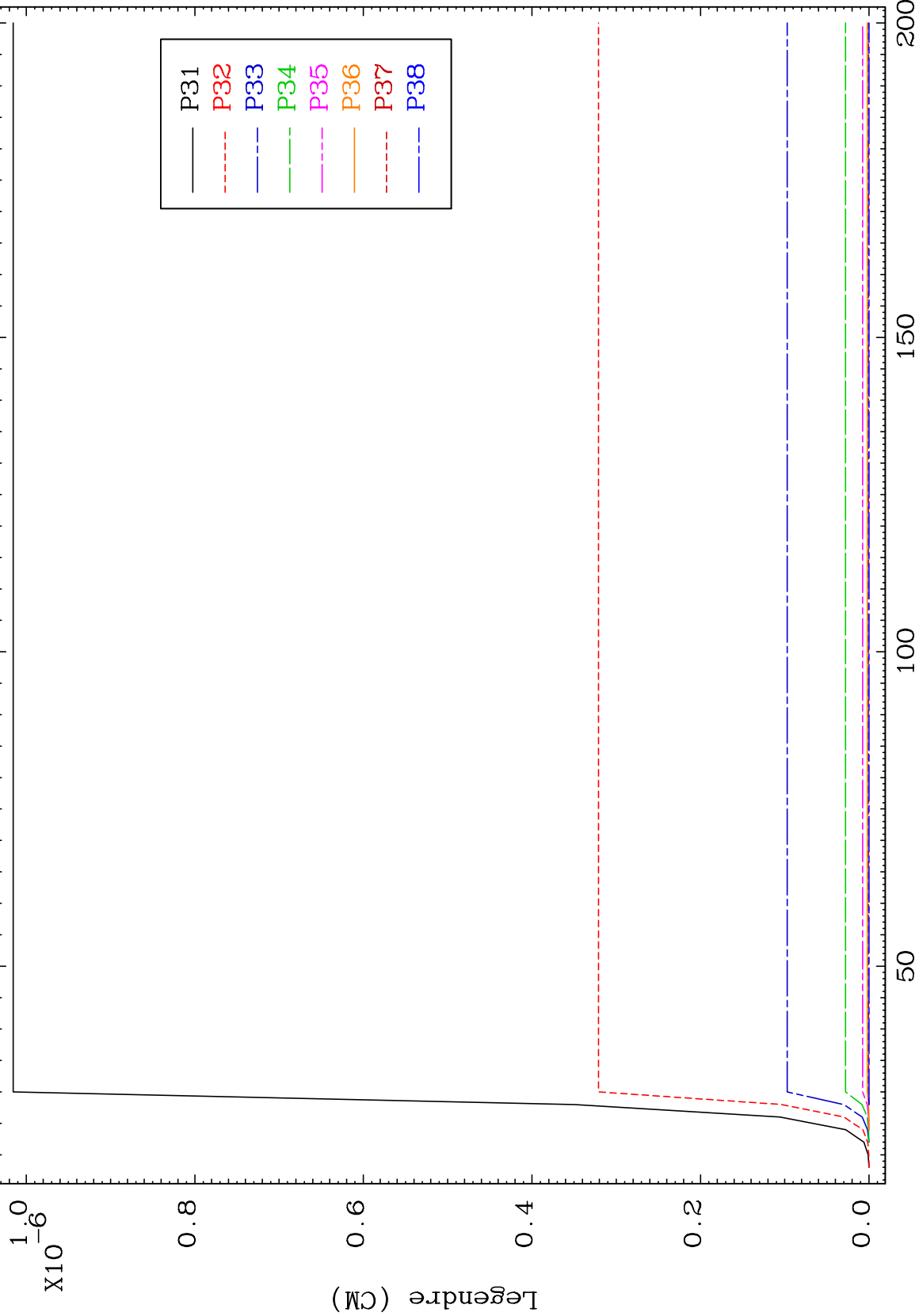
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



49

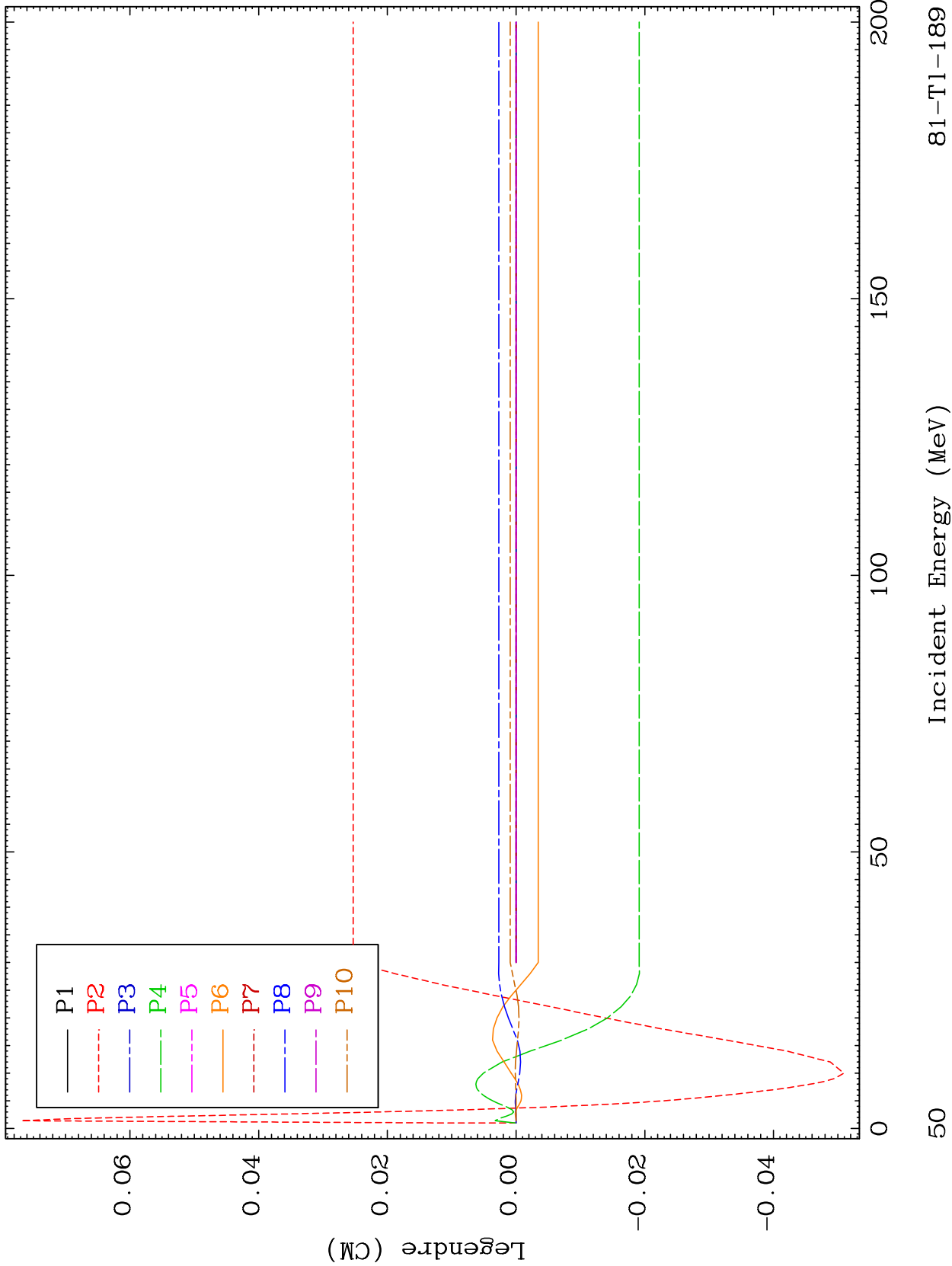
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



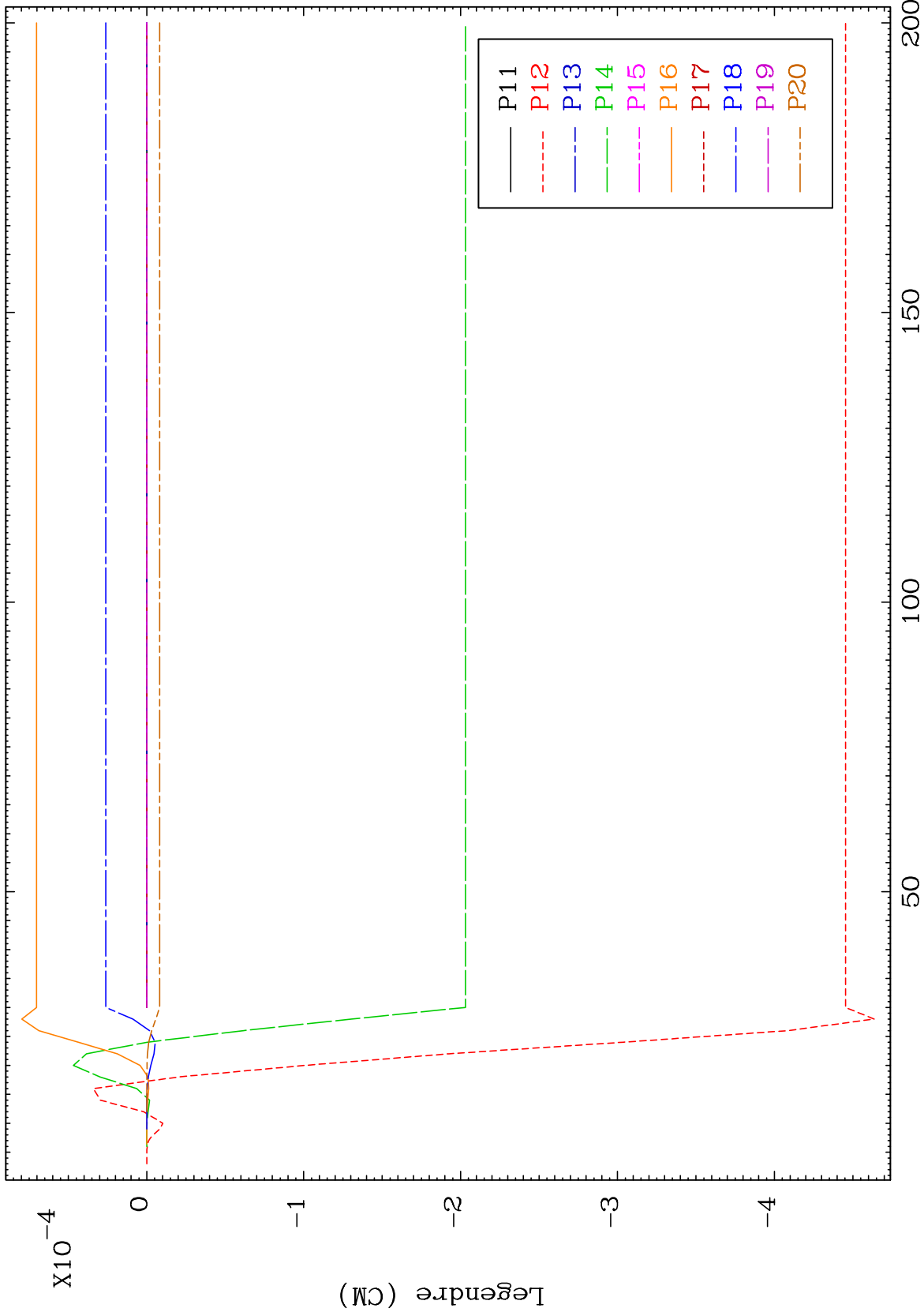
81-Tl-189

Incident Energy (MeV)

MAT 8083

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

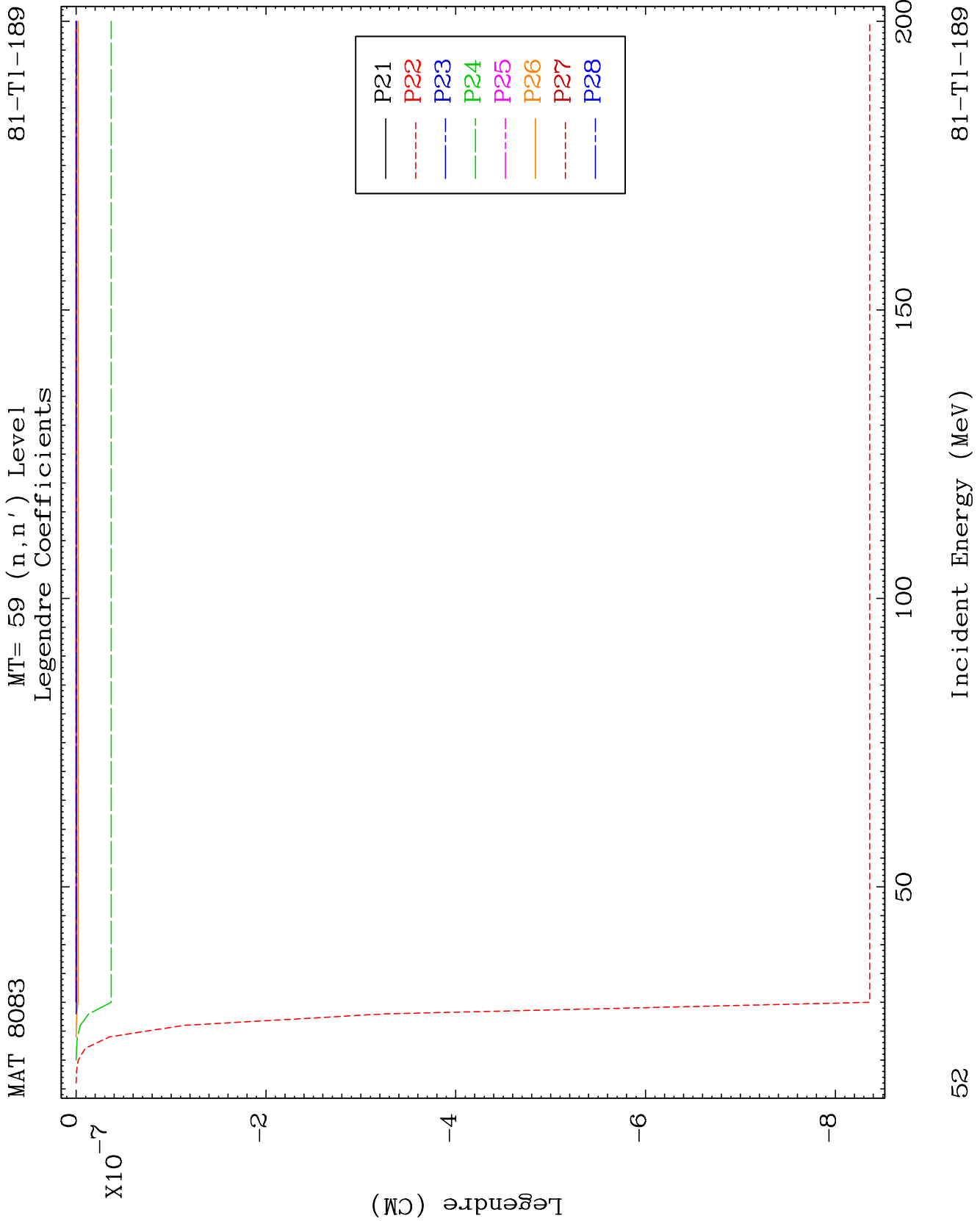
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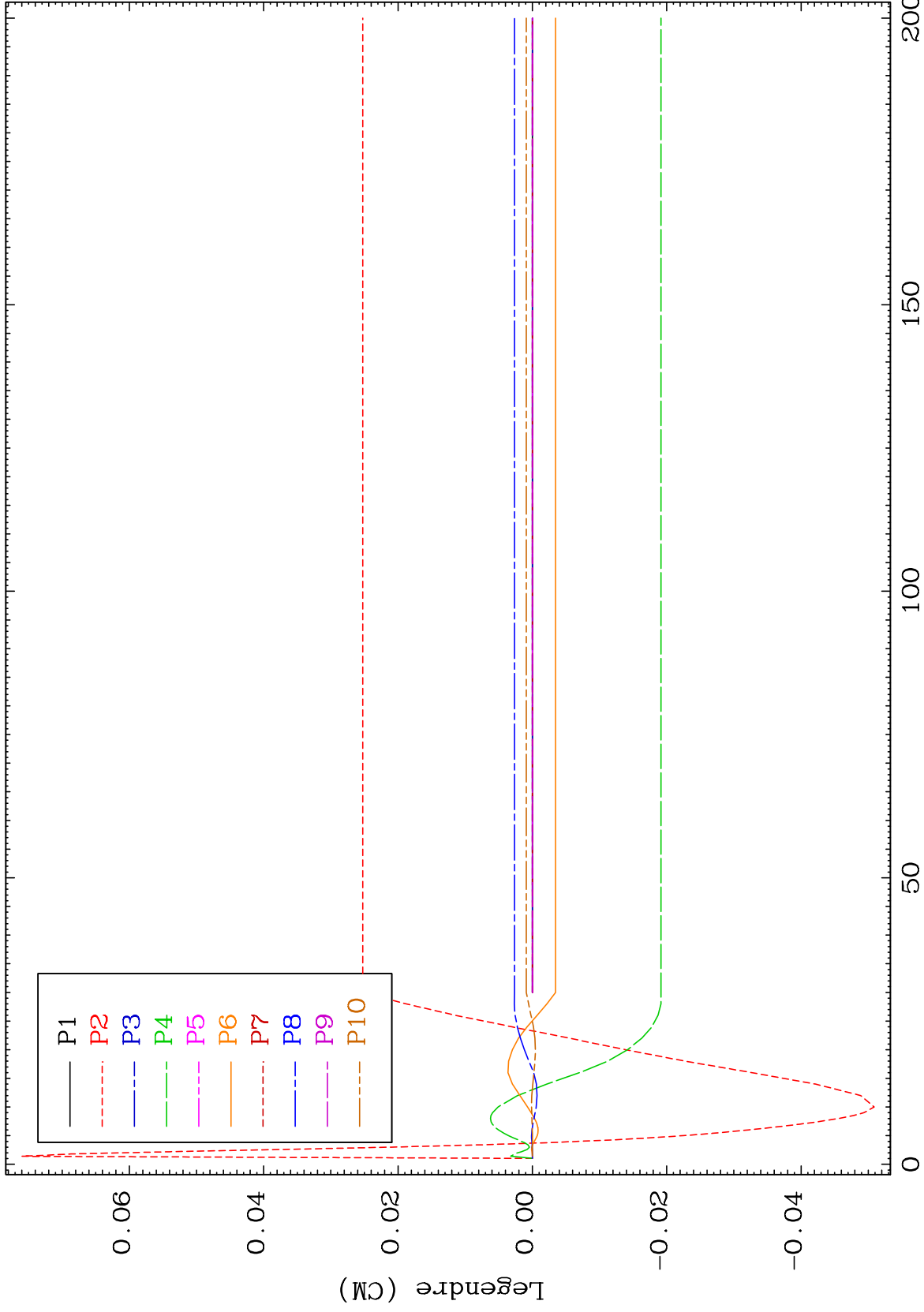


51

Incident Energy (MeV)

81-Tl-189

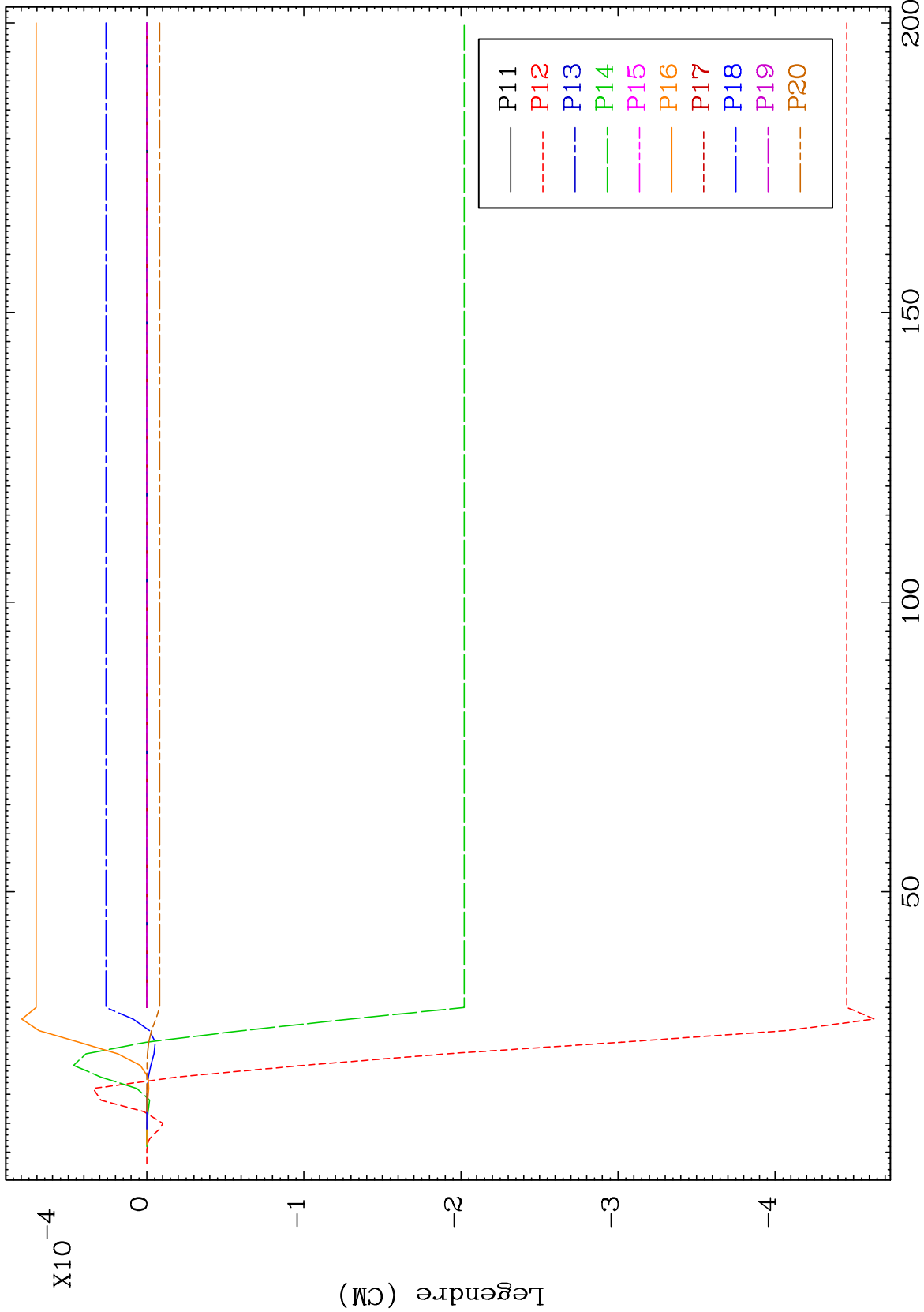




MAT 8083

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

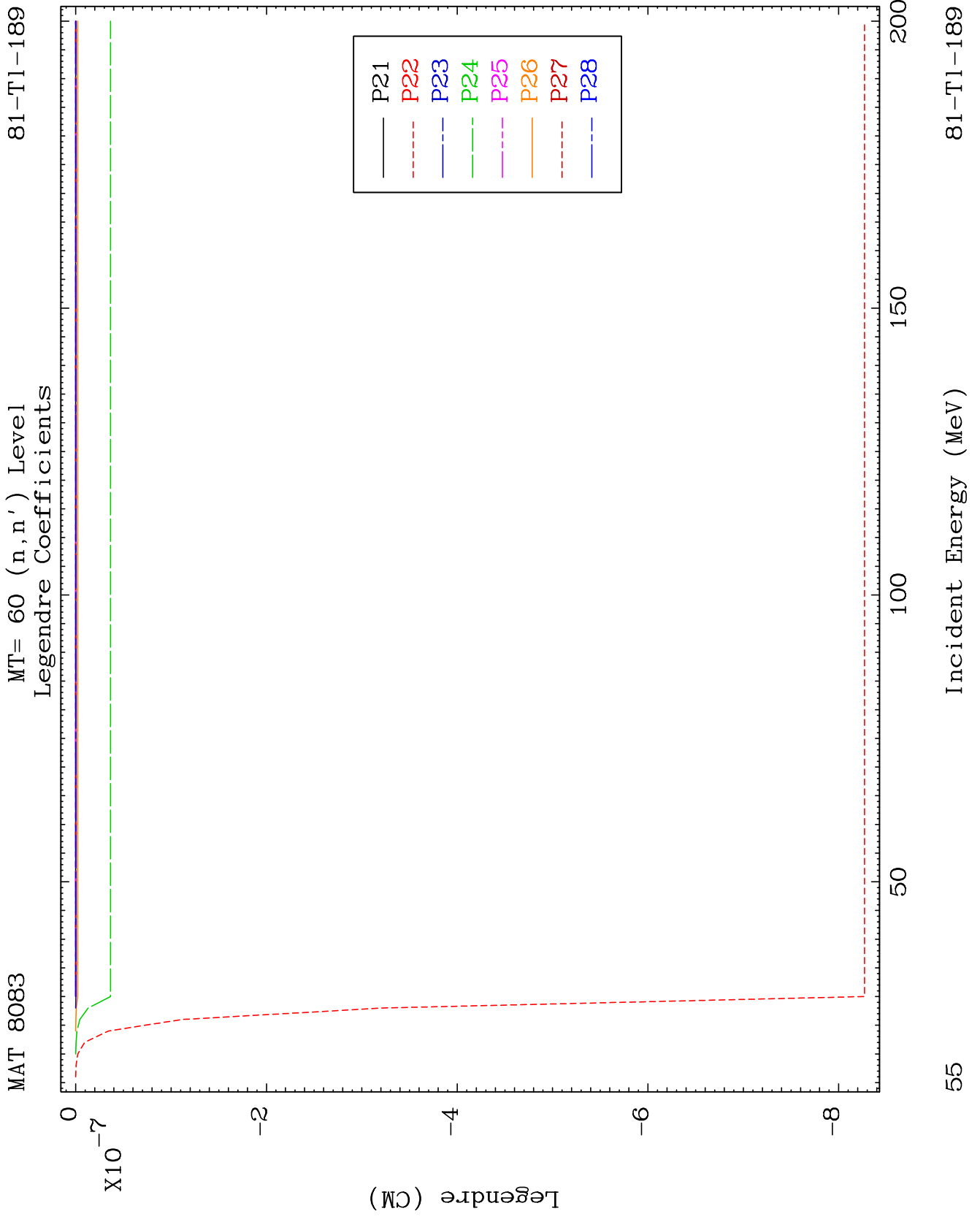
81-Tl-189



54

Incident Energy (MeV)

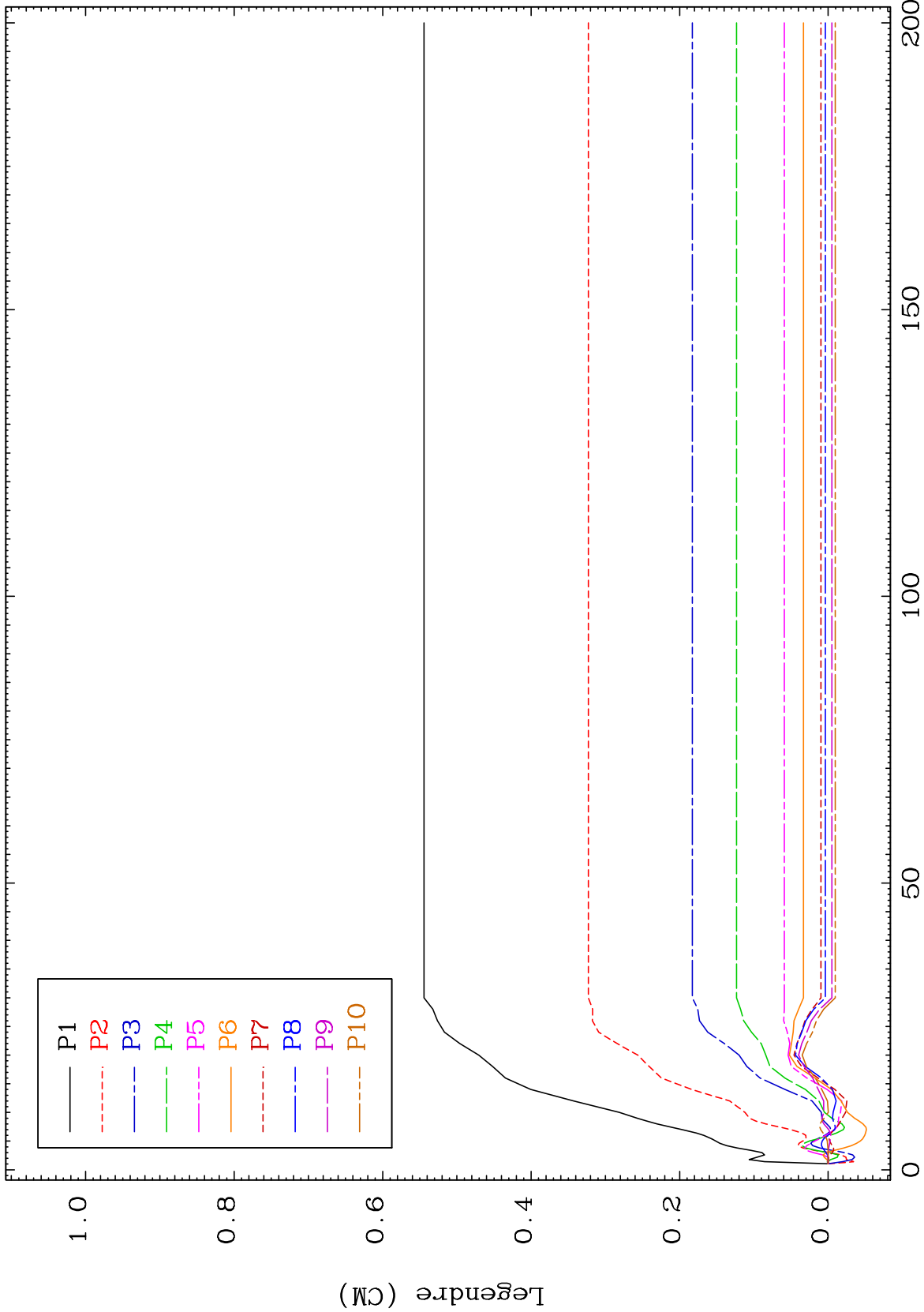
81-Tl-189



MAT 8083

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

81-Tl-189



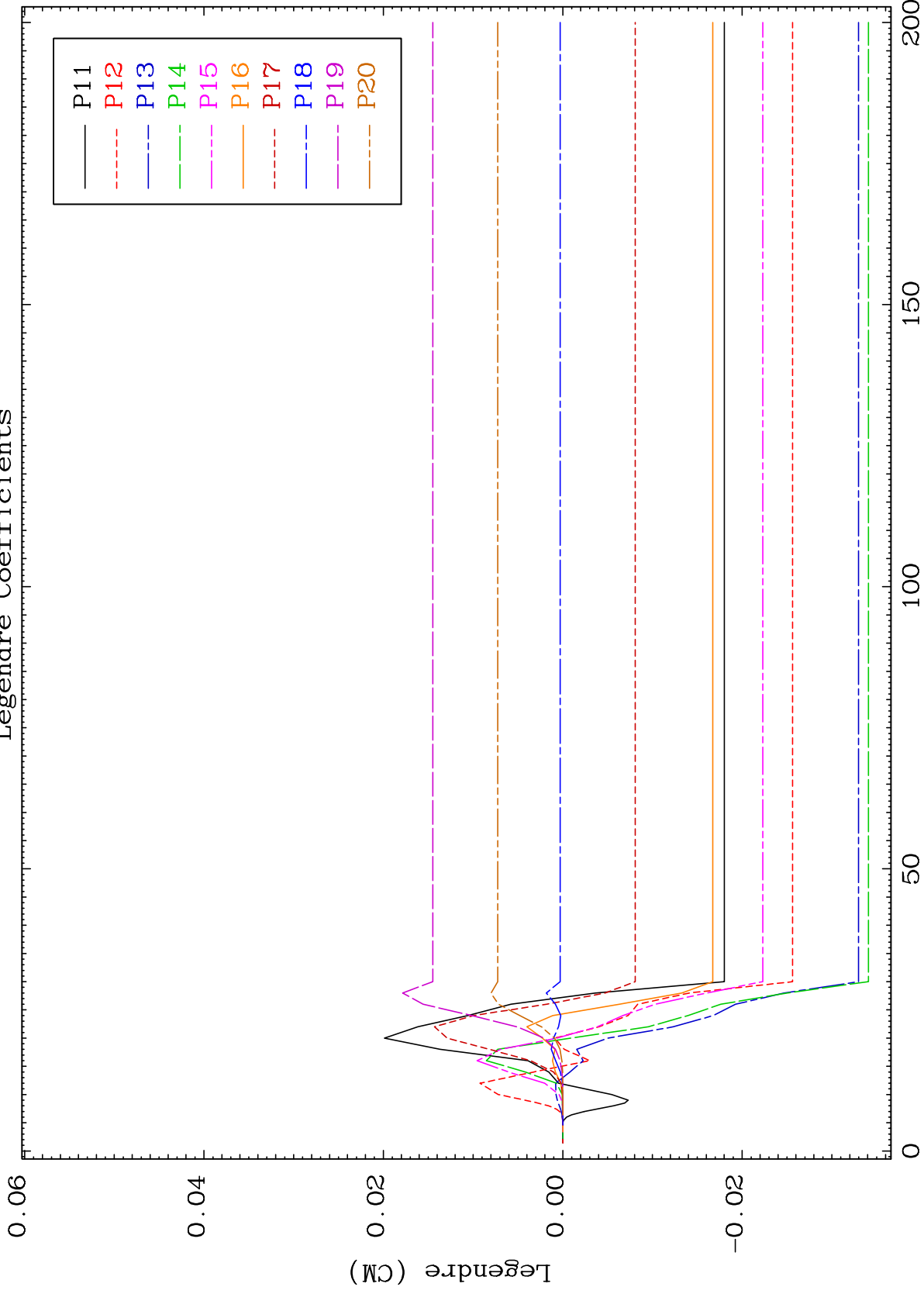
56

81-Tl-189

MAT 8083

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

81-Tl-189



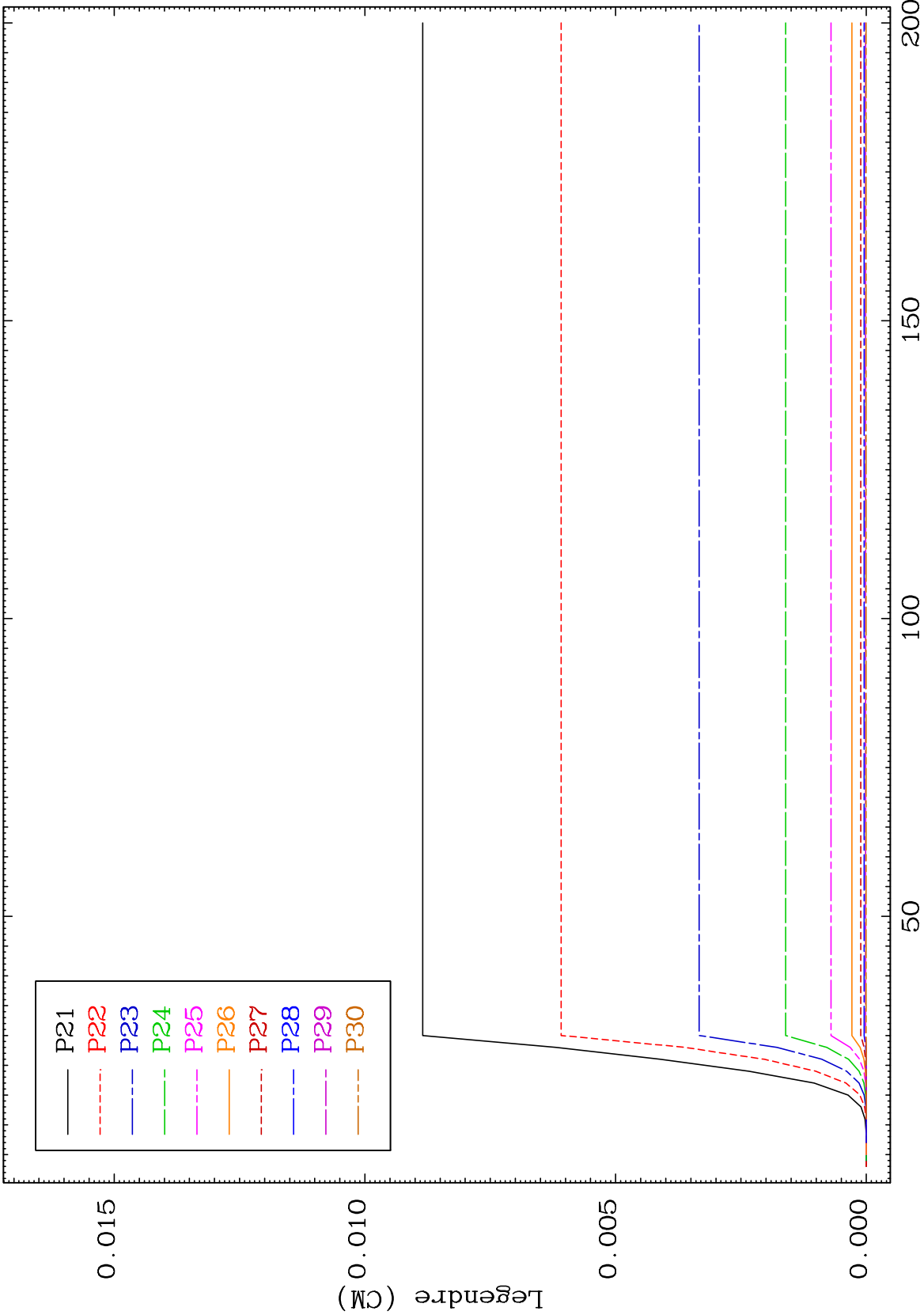
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81-Tl-189

MAT 8083

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

81-Tl-189



58

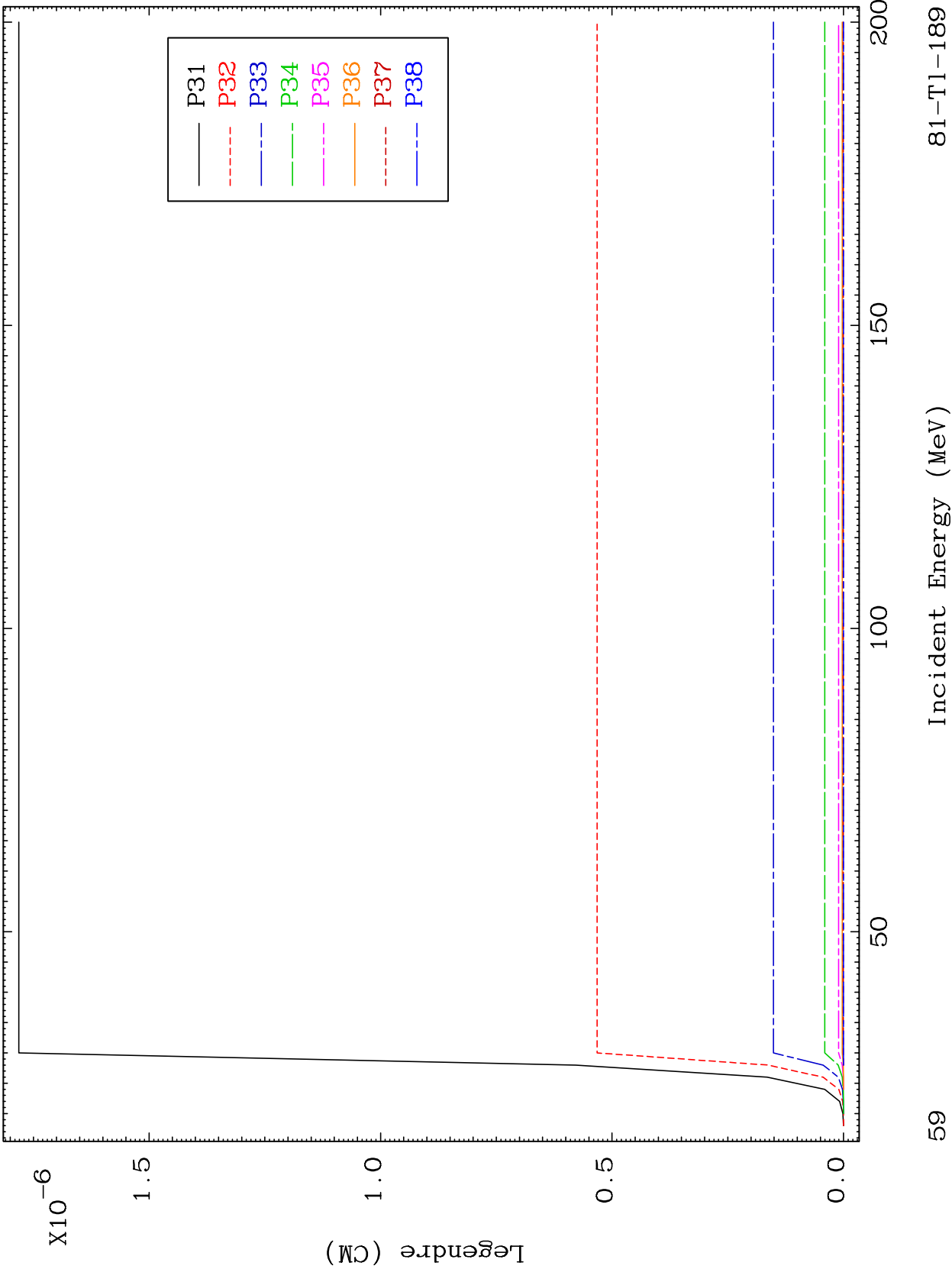
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



59

Incident Energy (MeV)

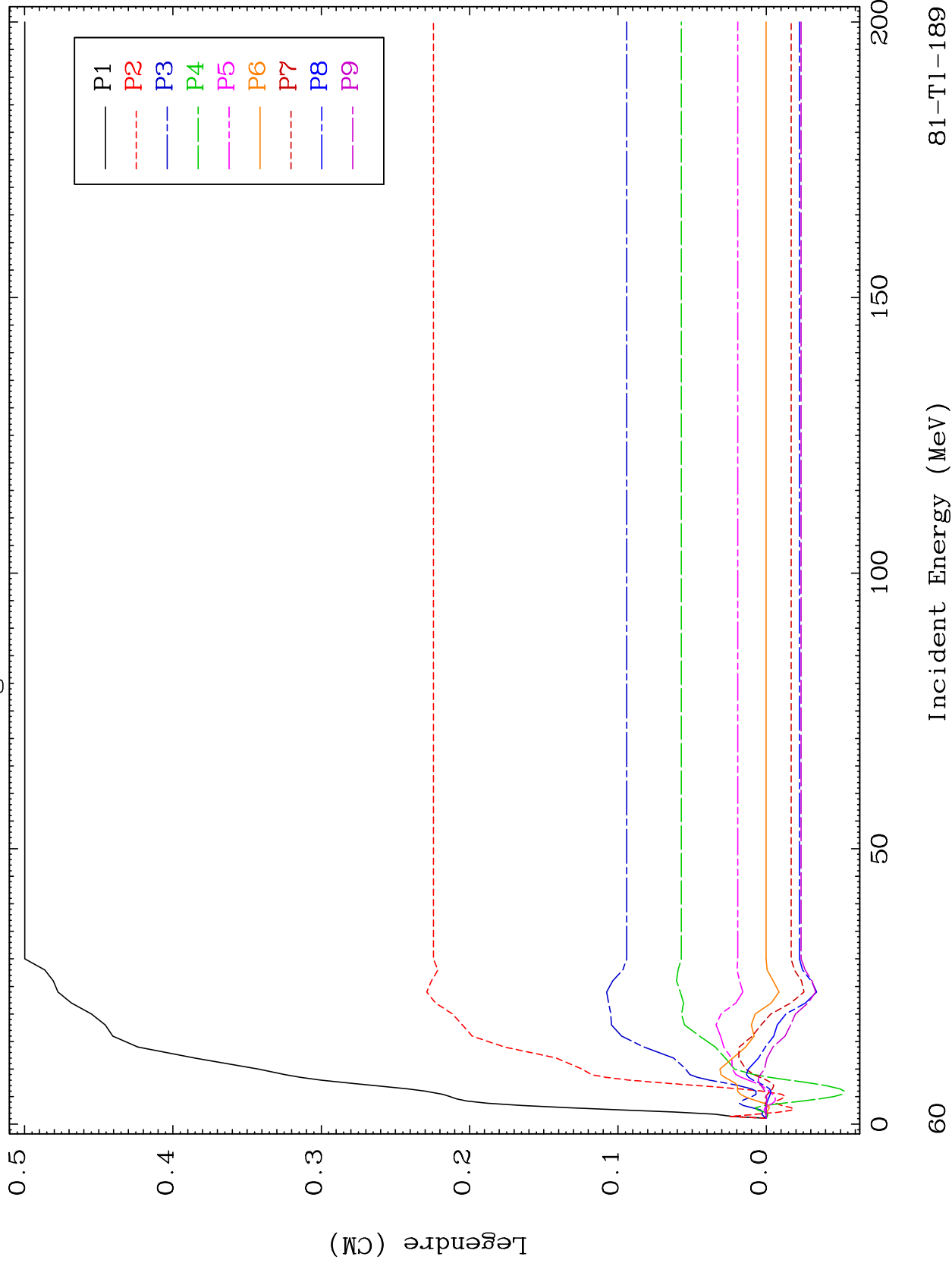
81-Tl-189

MAT 8083

MT= 62 (n,n') Level

81-Tl-189

Legendre Coefficients



81-Tl-189

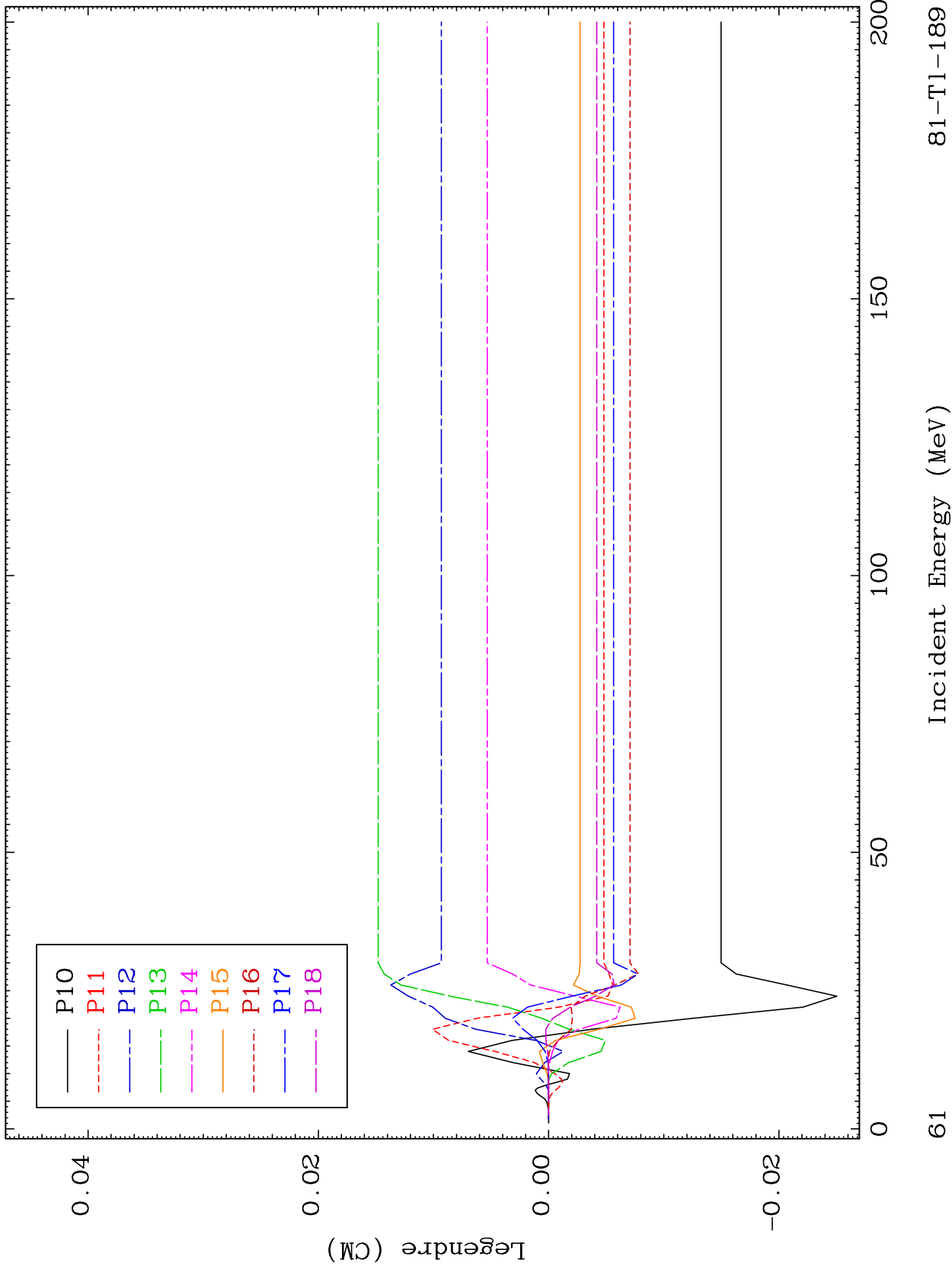
Incident Energy (MeV)

60

MAT 8083

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

81-Tl-189



61

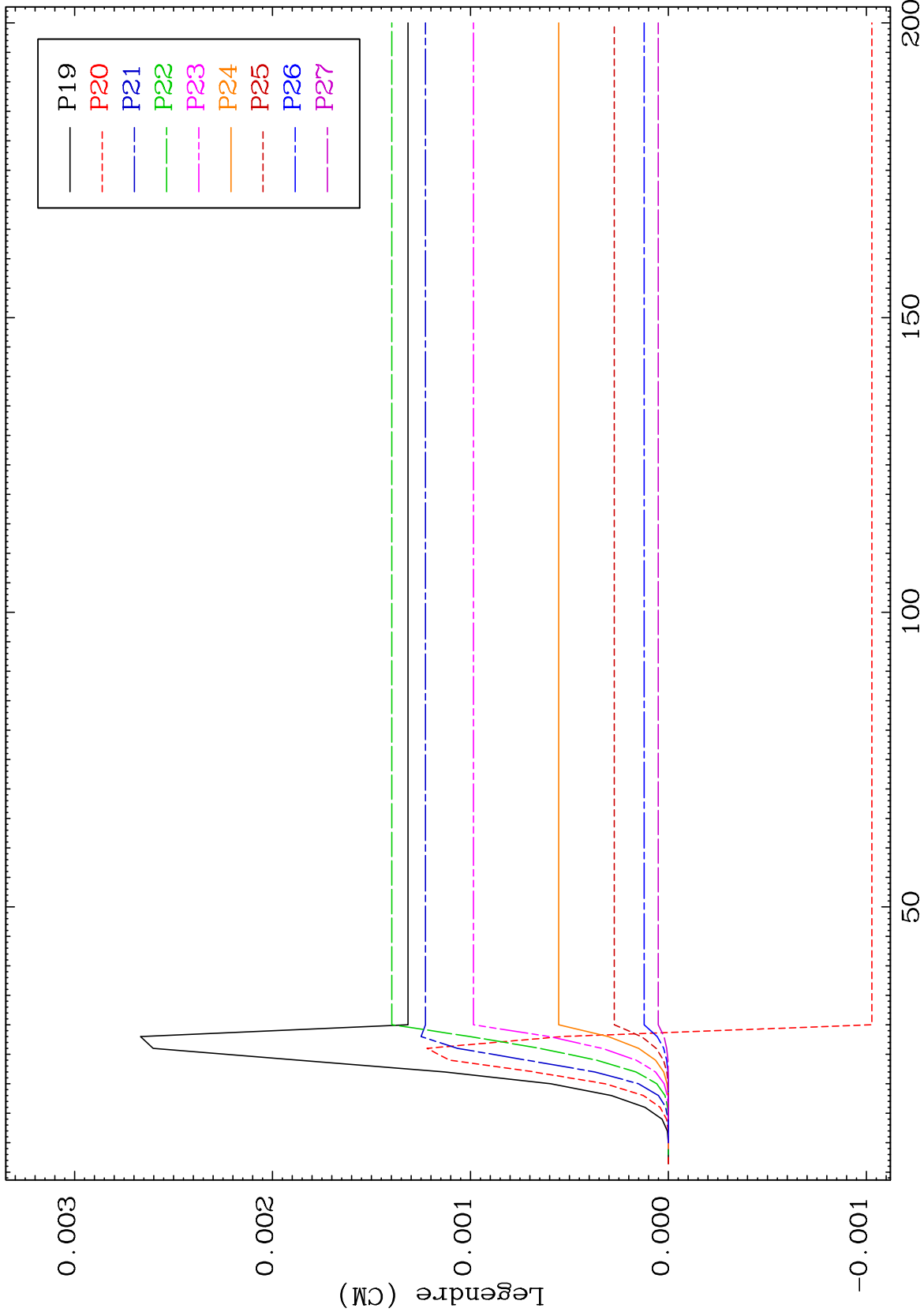
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



62

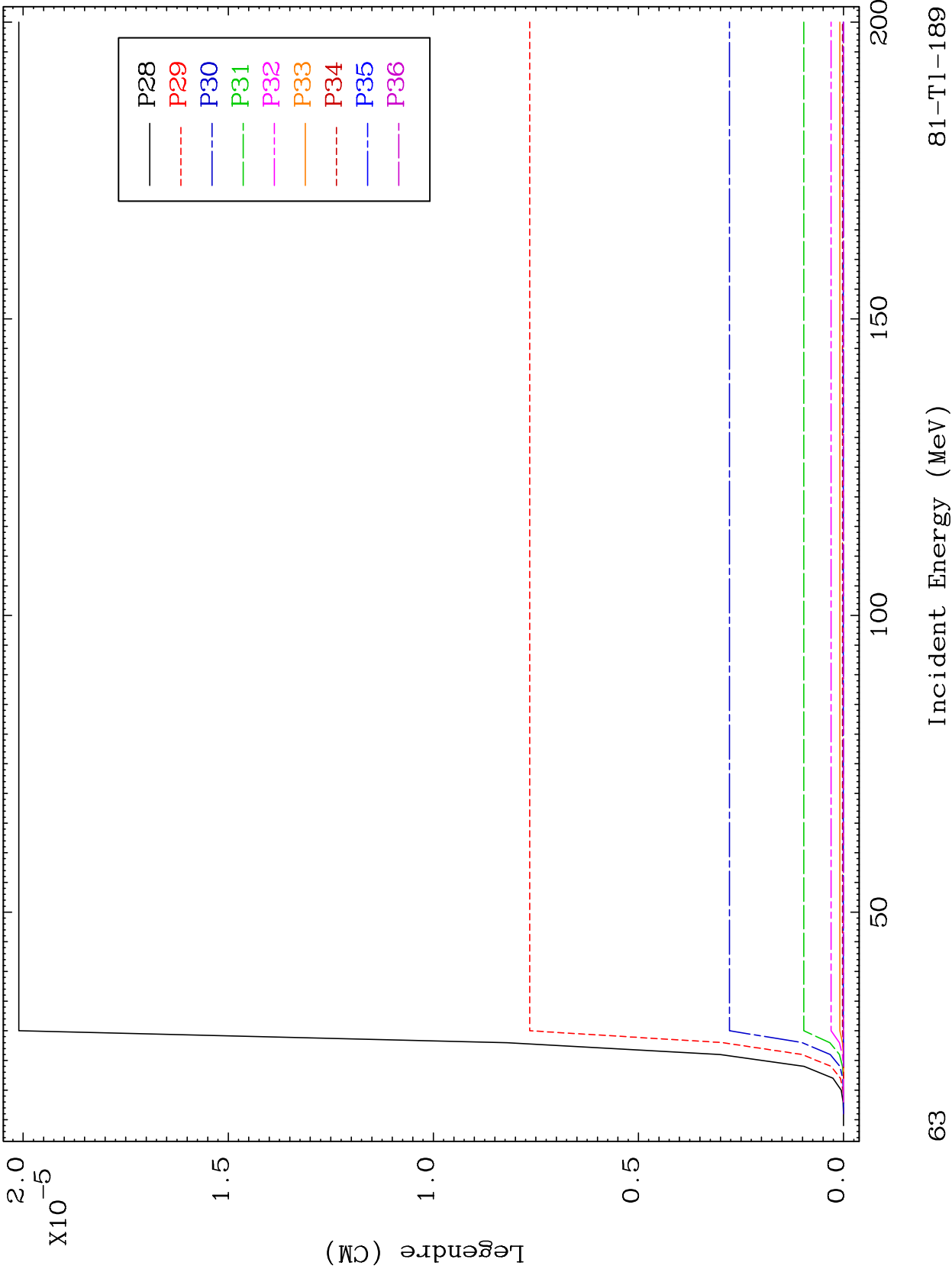
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189

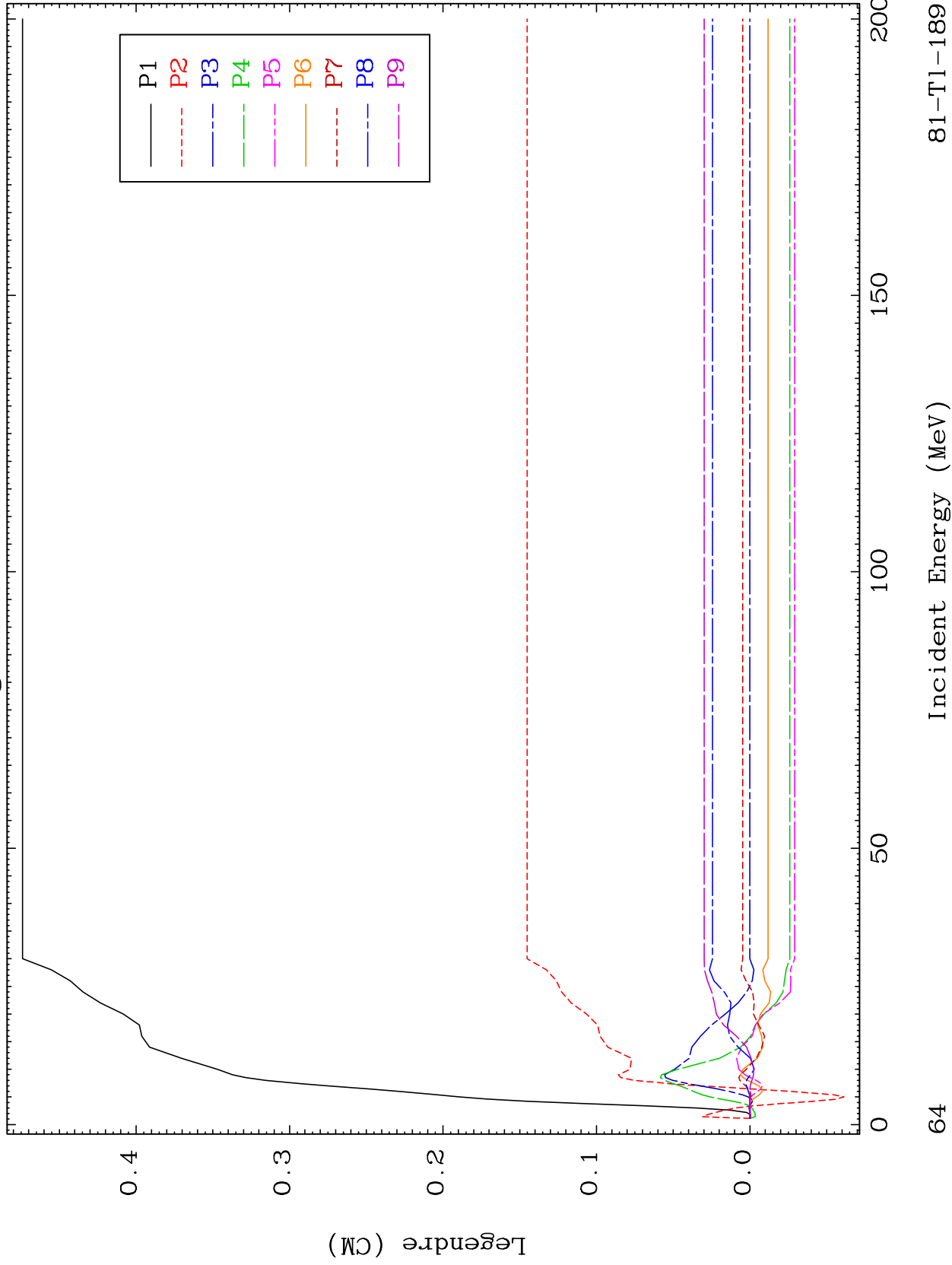


63

MAT 8083

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

81-Tl-189



64

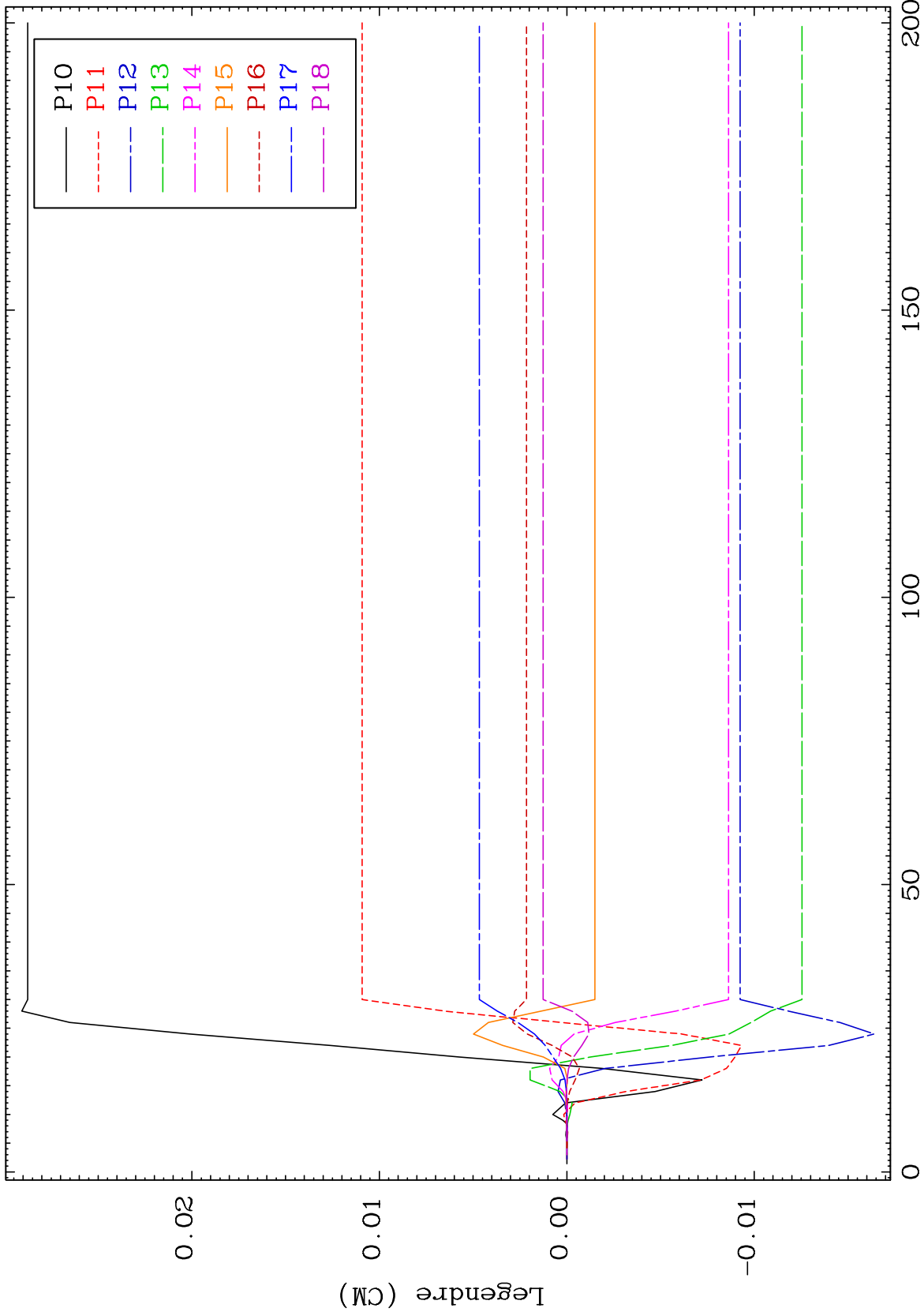
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



65

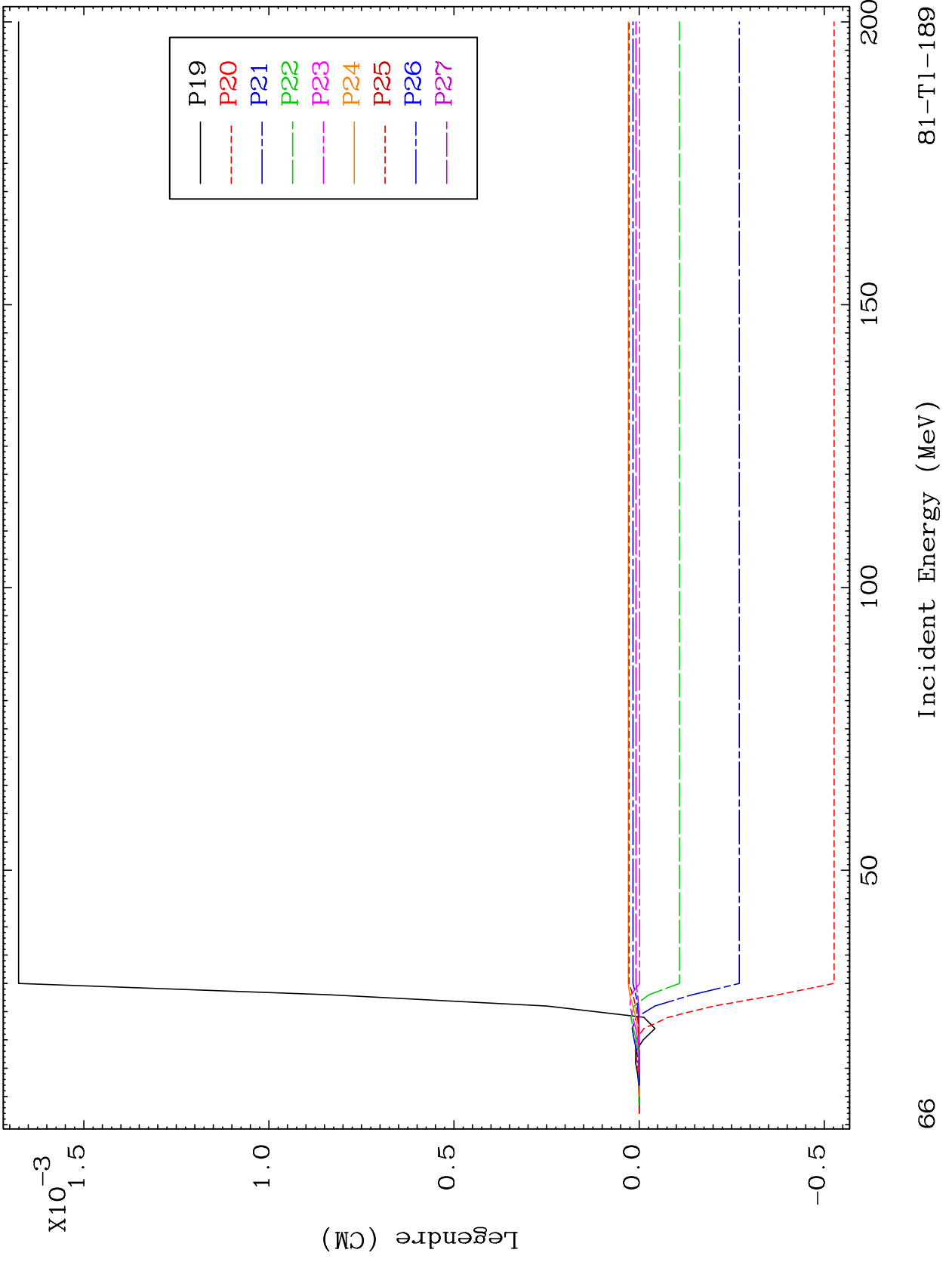
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



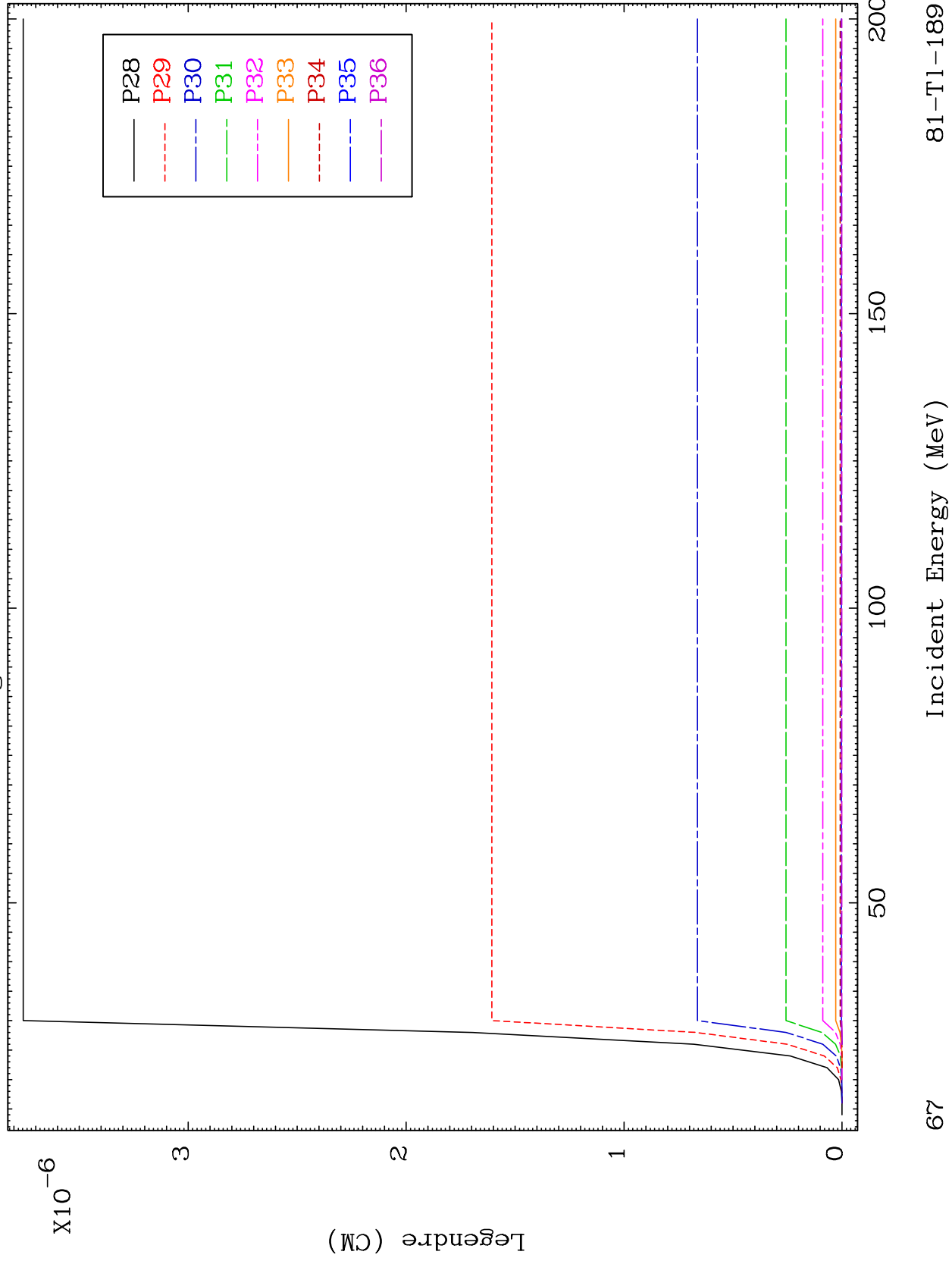
66

81-Tl-189

MAT 8083

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

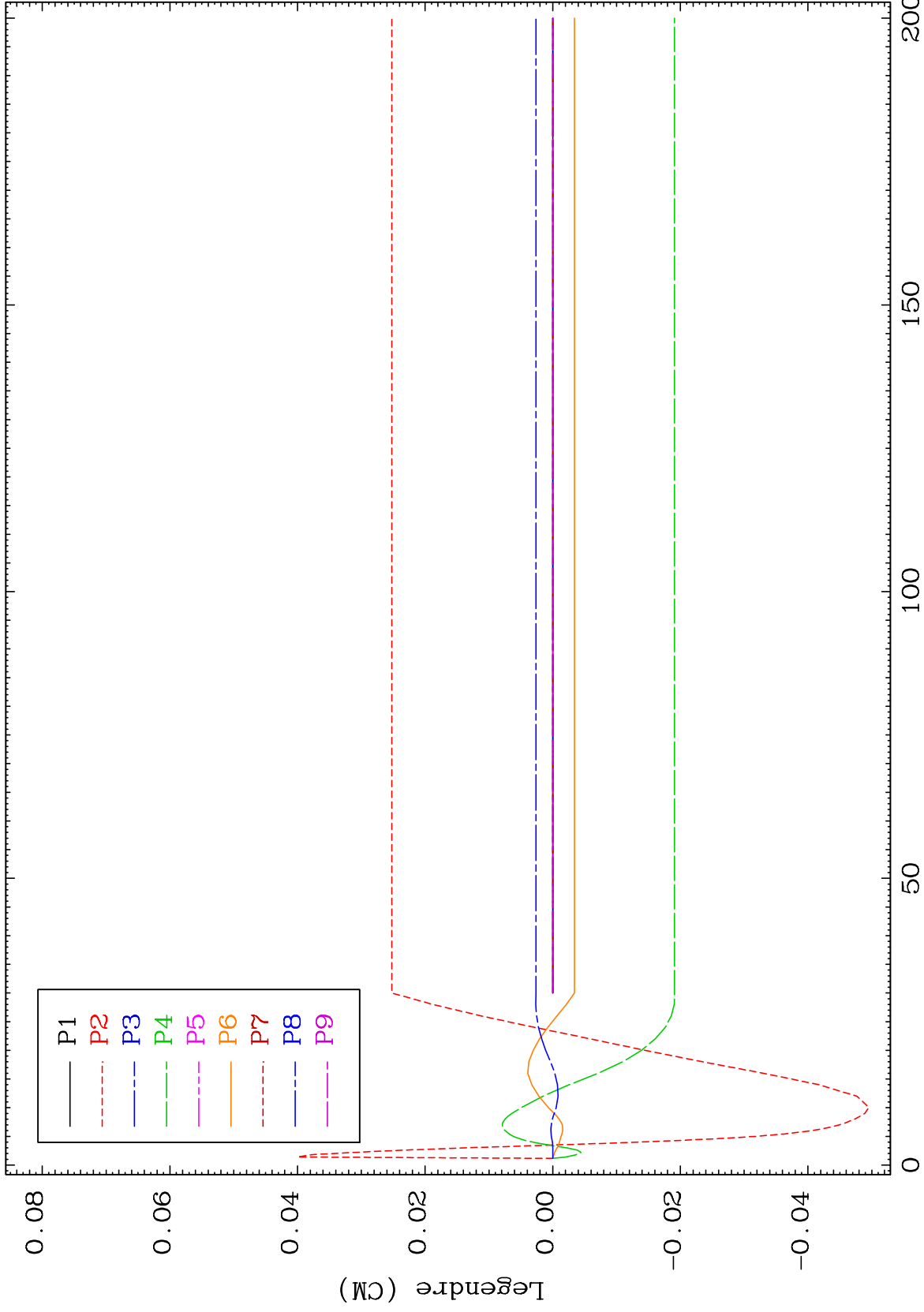
81-Tl-189



MAT 8083

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

81-Tl-189



68

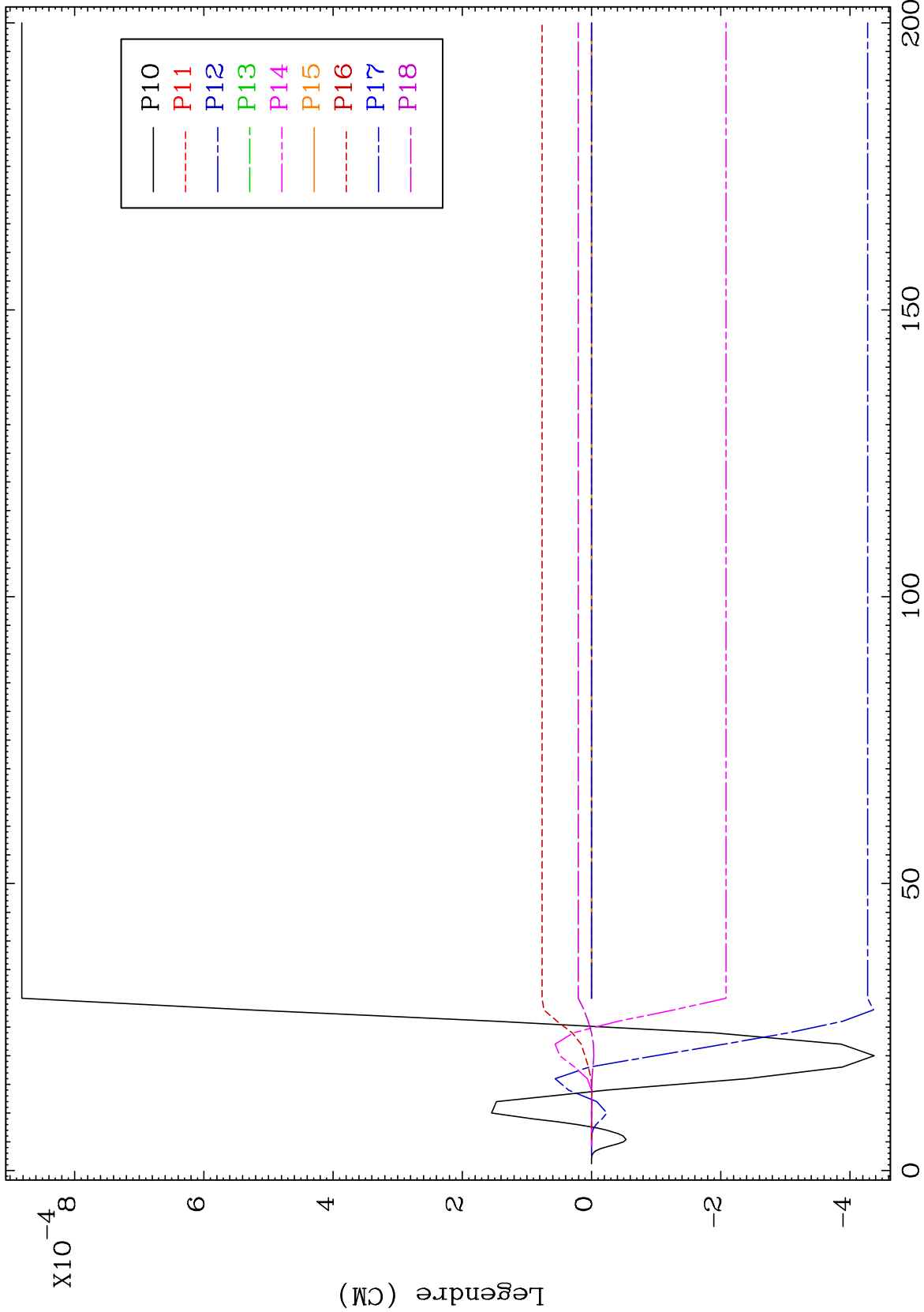
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



69

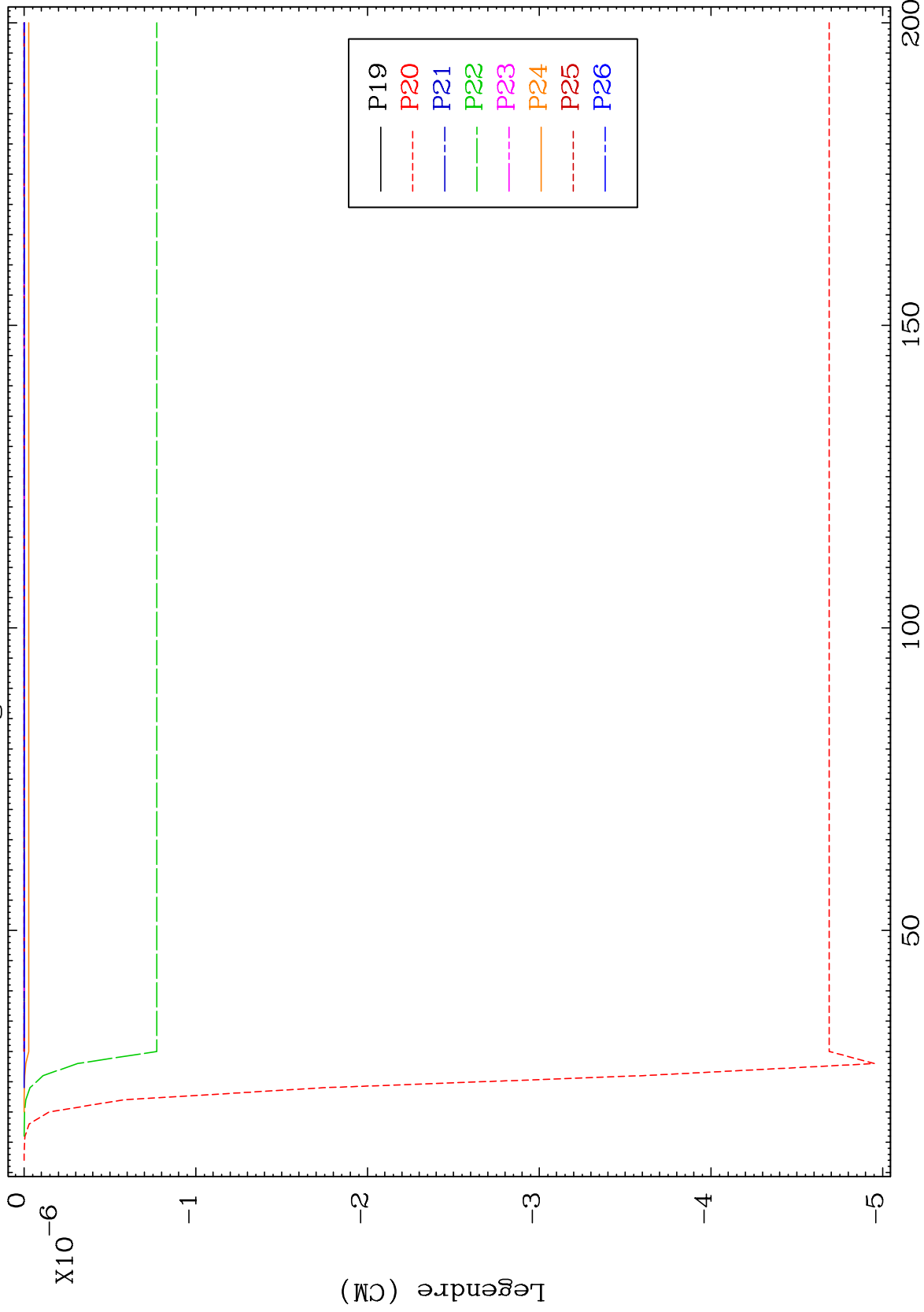
81-Tl-189

81-Tl-189

MAT 8083

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

81-Tl-189



70

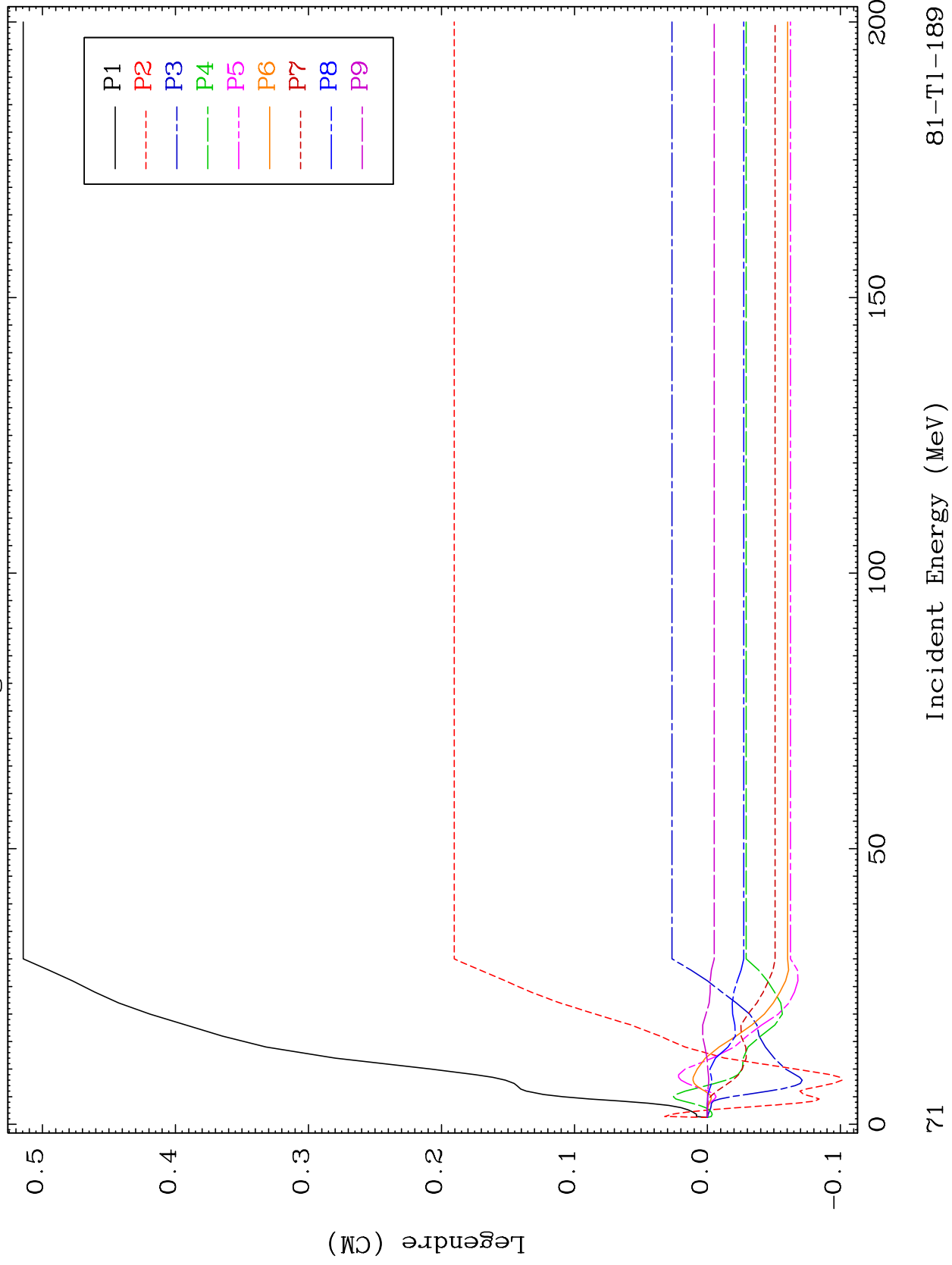
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



81-Tl-189

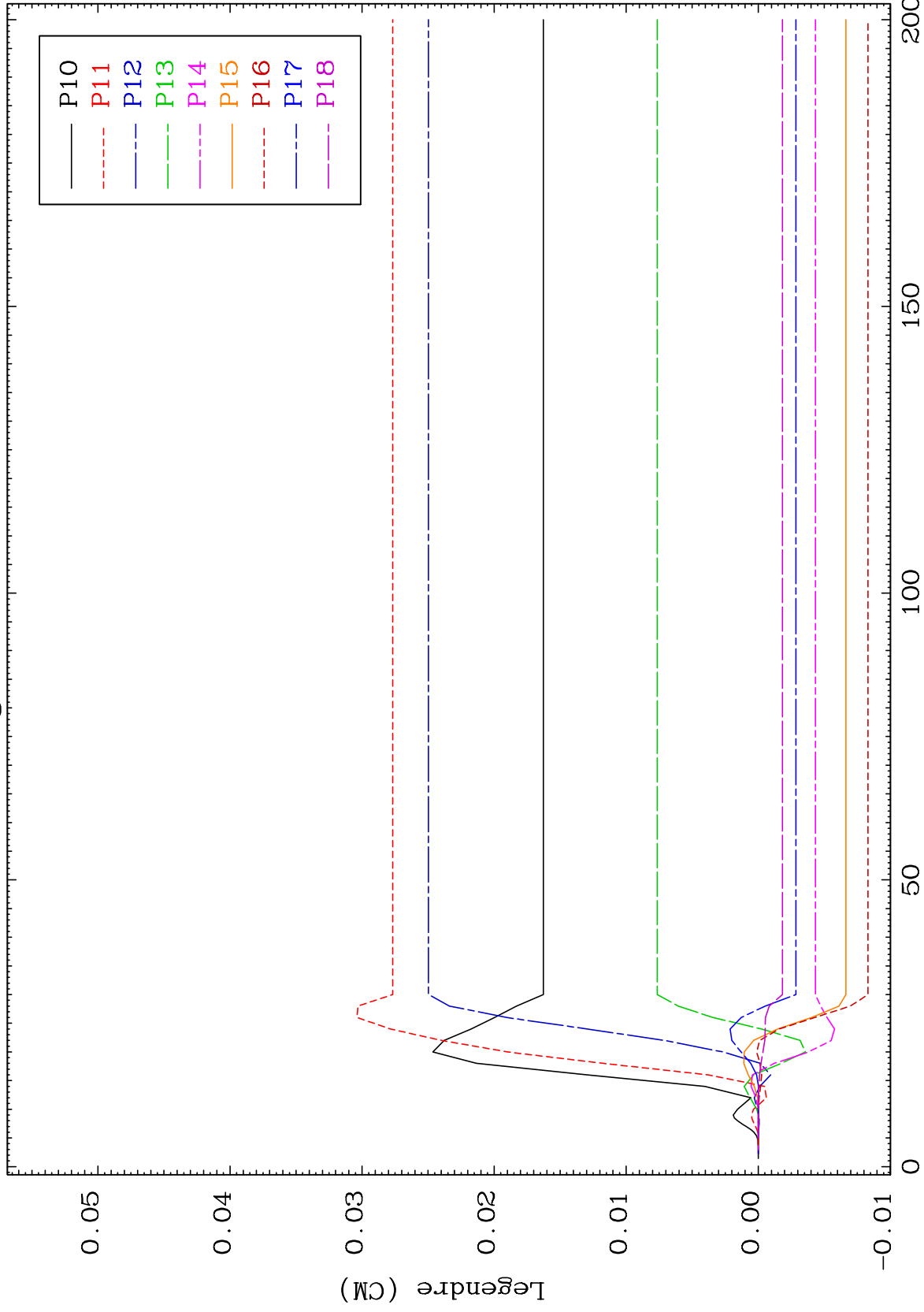
Incident Energy (MeV)

71

MAT 8083

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

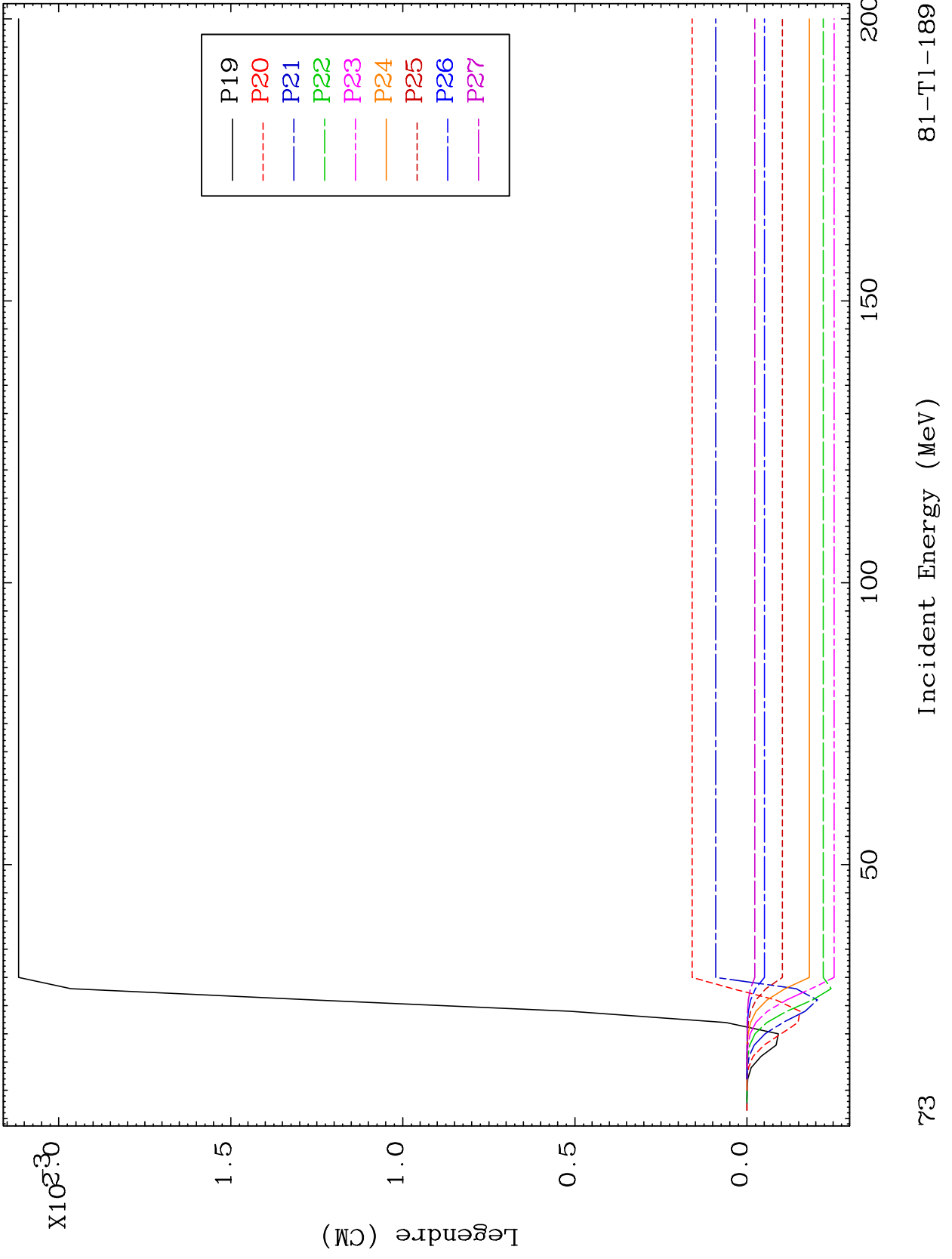
81-T1-189



72

Incident Energy (MeV)

81-T1-189

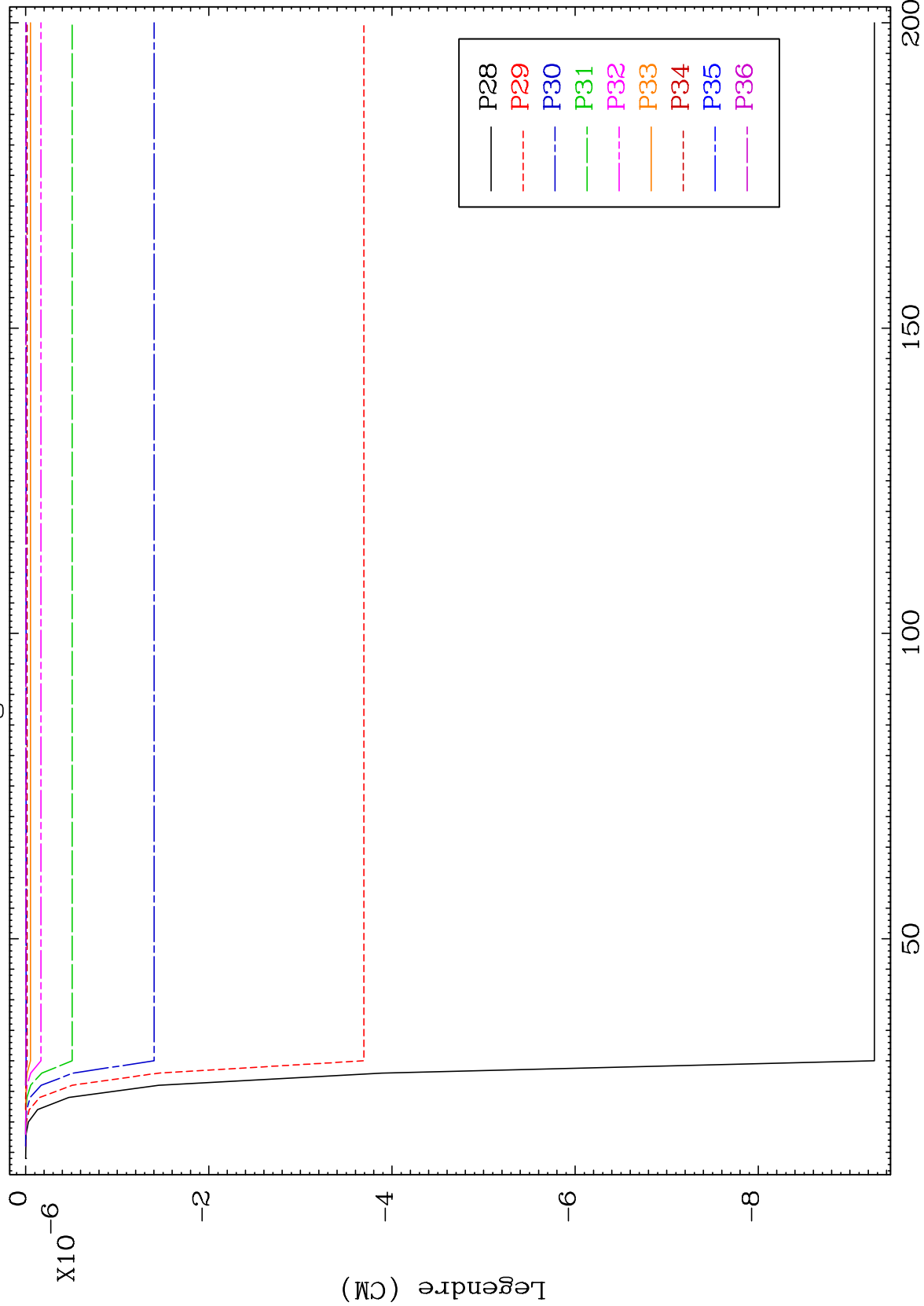


MAT 8083

MT= 65 (n,n') Level

81-Tl-189

Legendre Coefficients



81-Tl-189

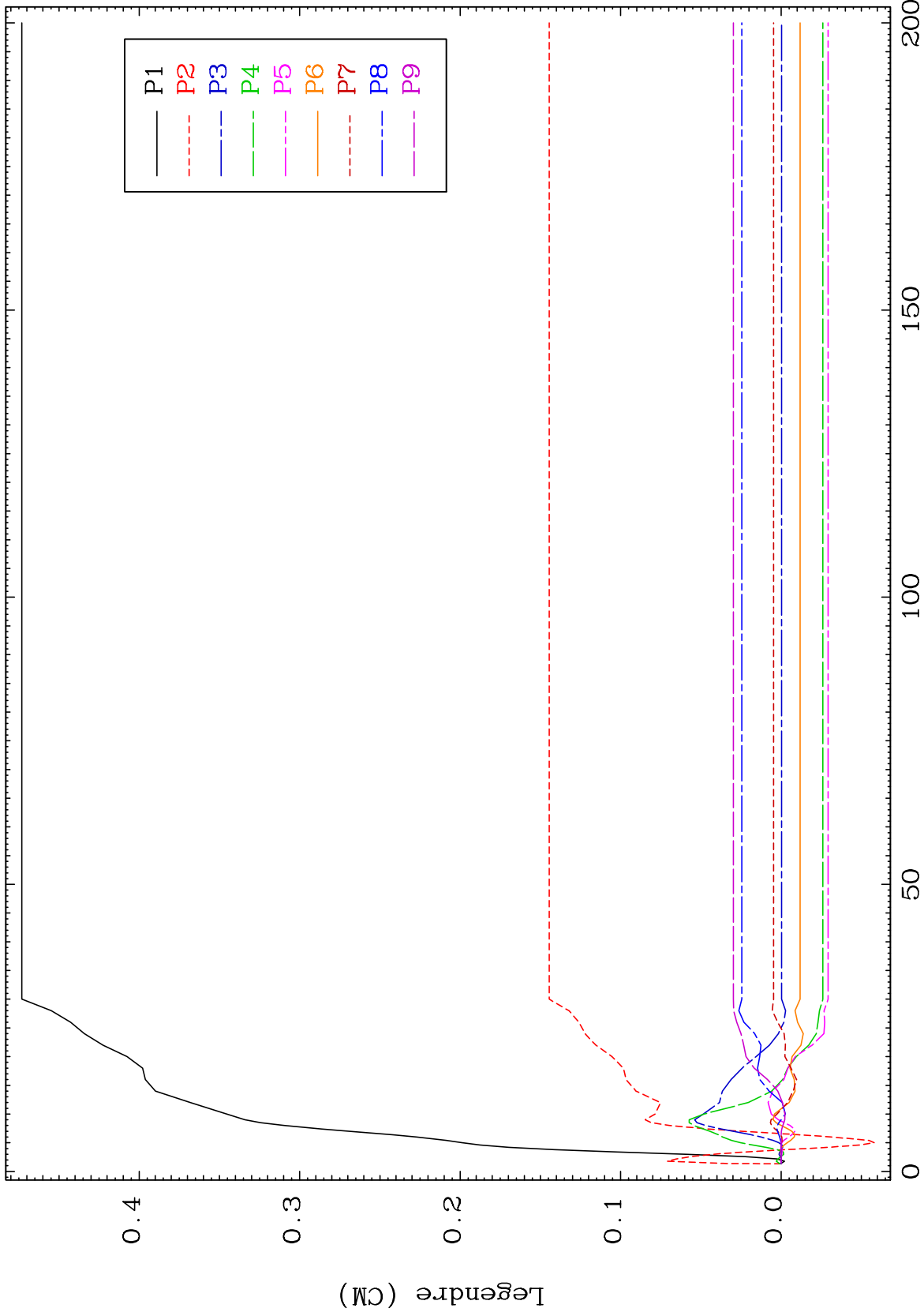
Incident Energy (MeV)

74

MAT 8083

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

81-Tl-189



75

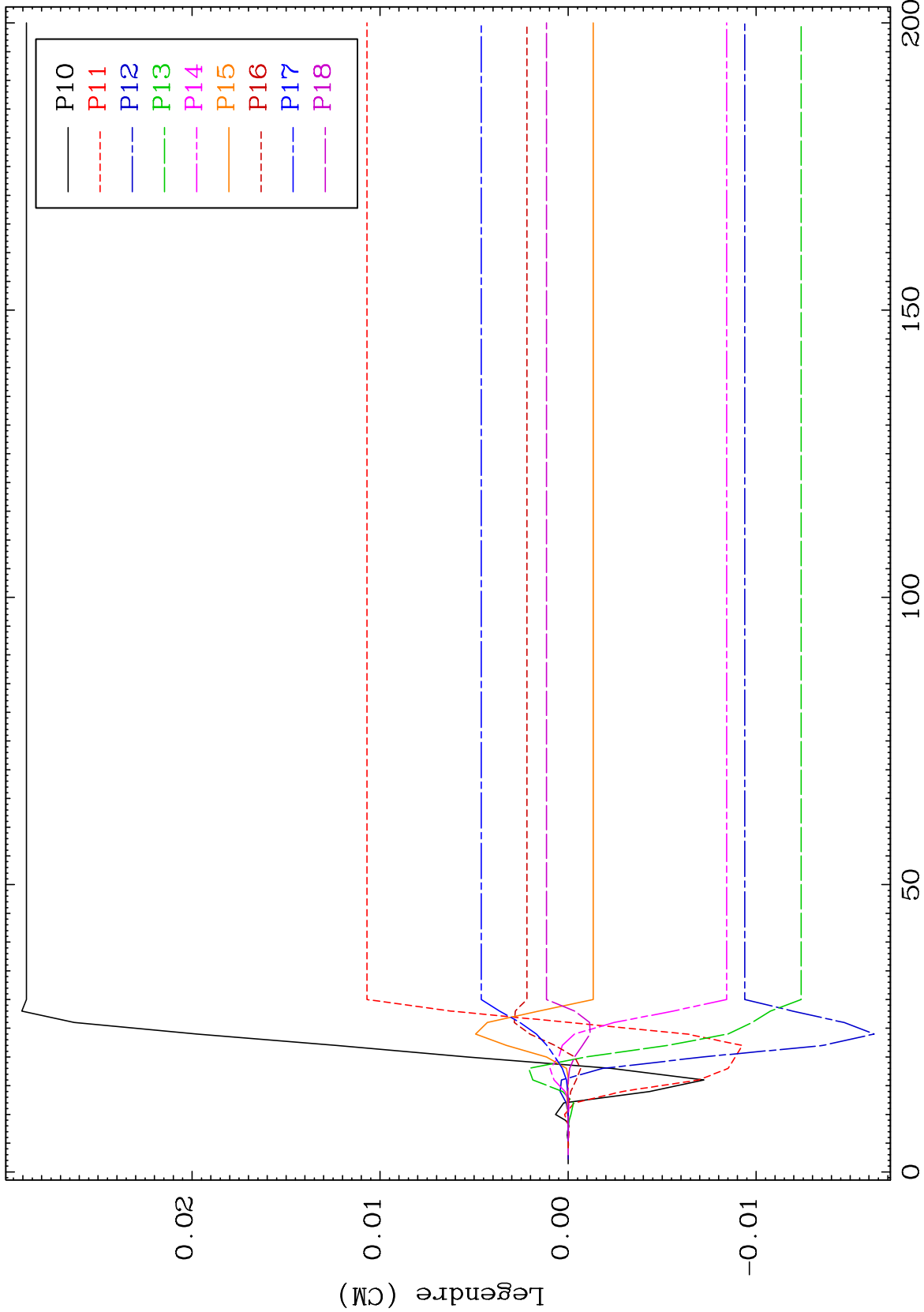
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



76

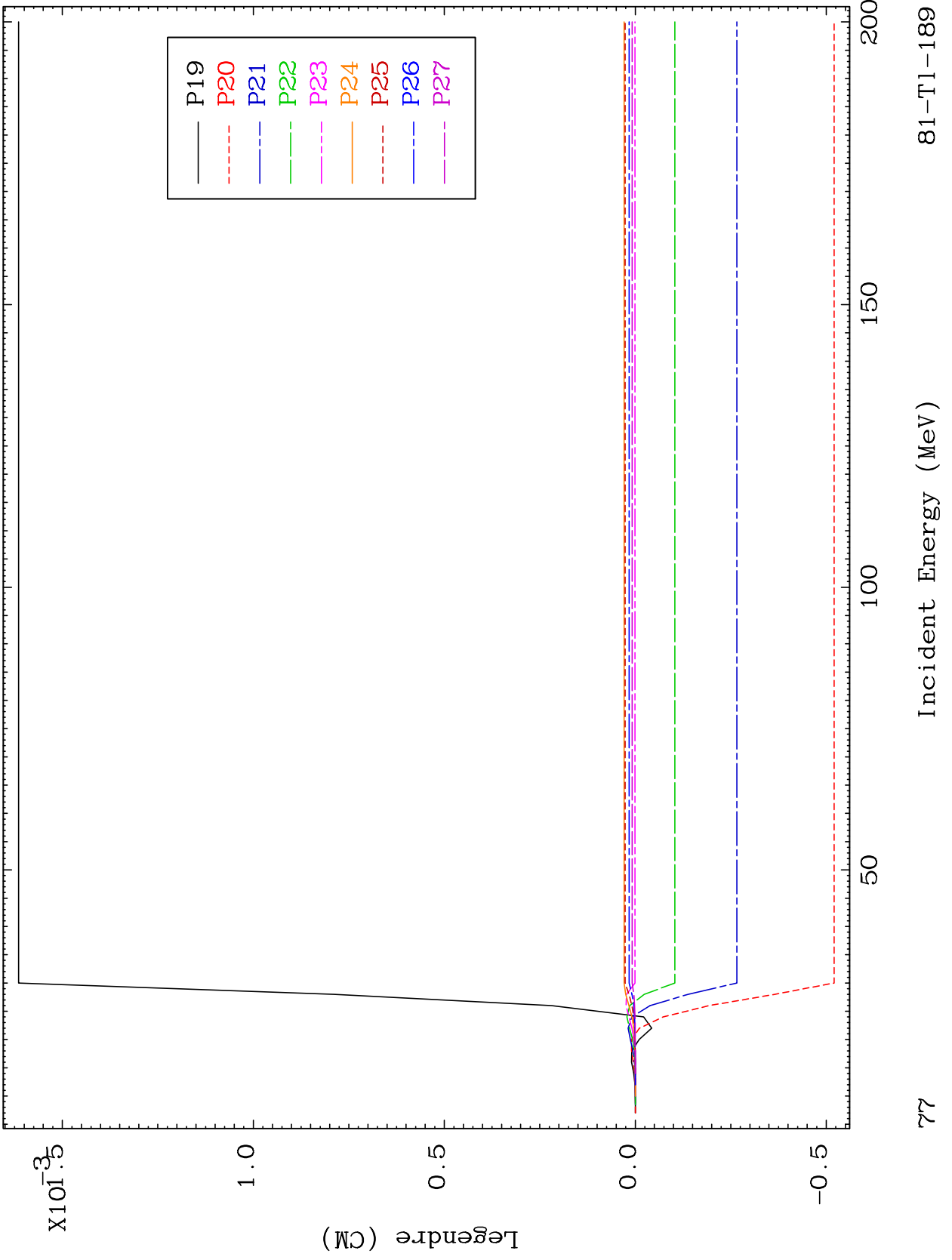
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



77

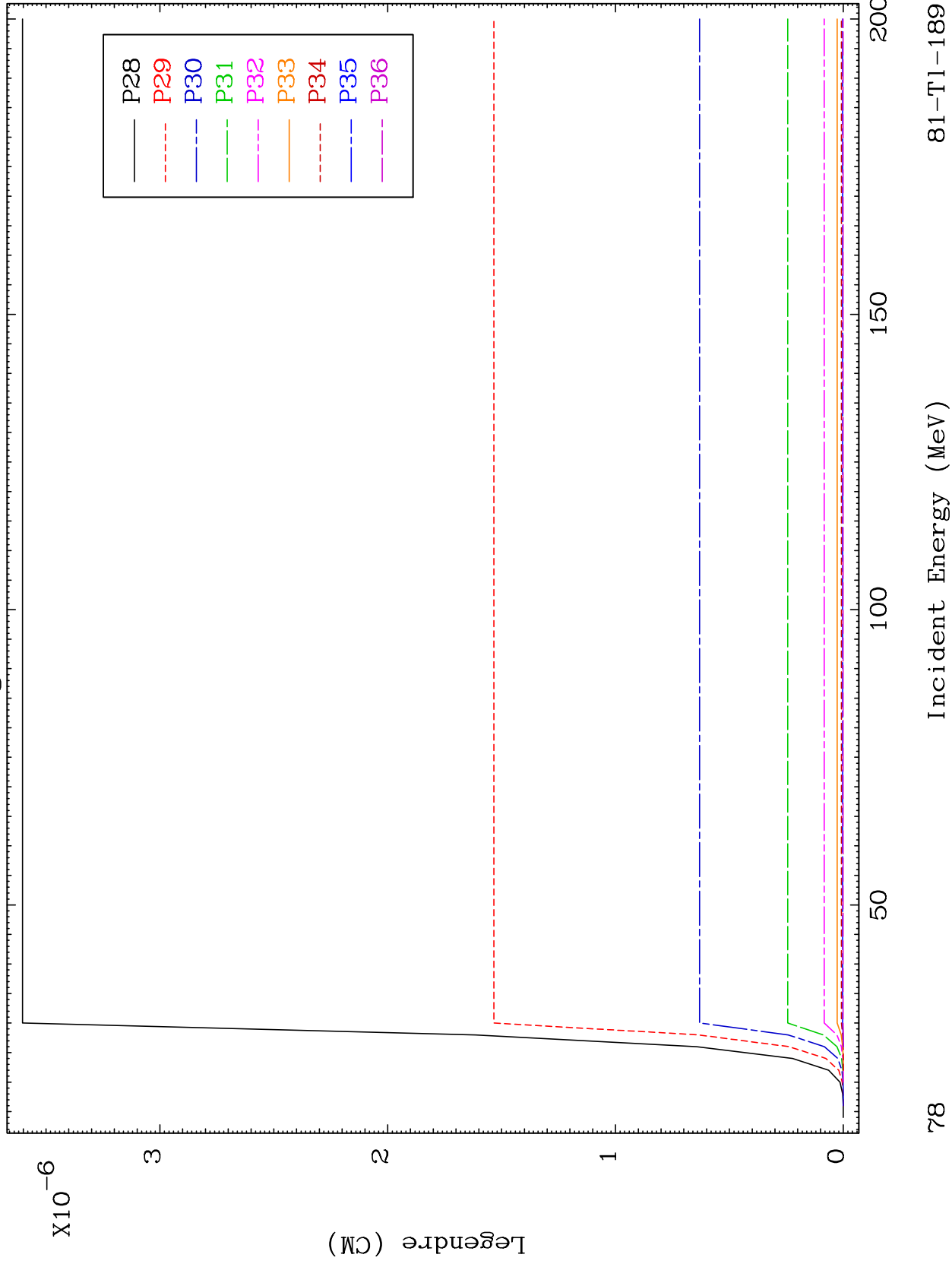
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

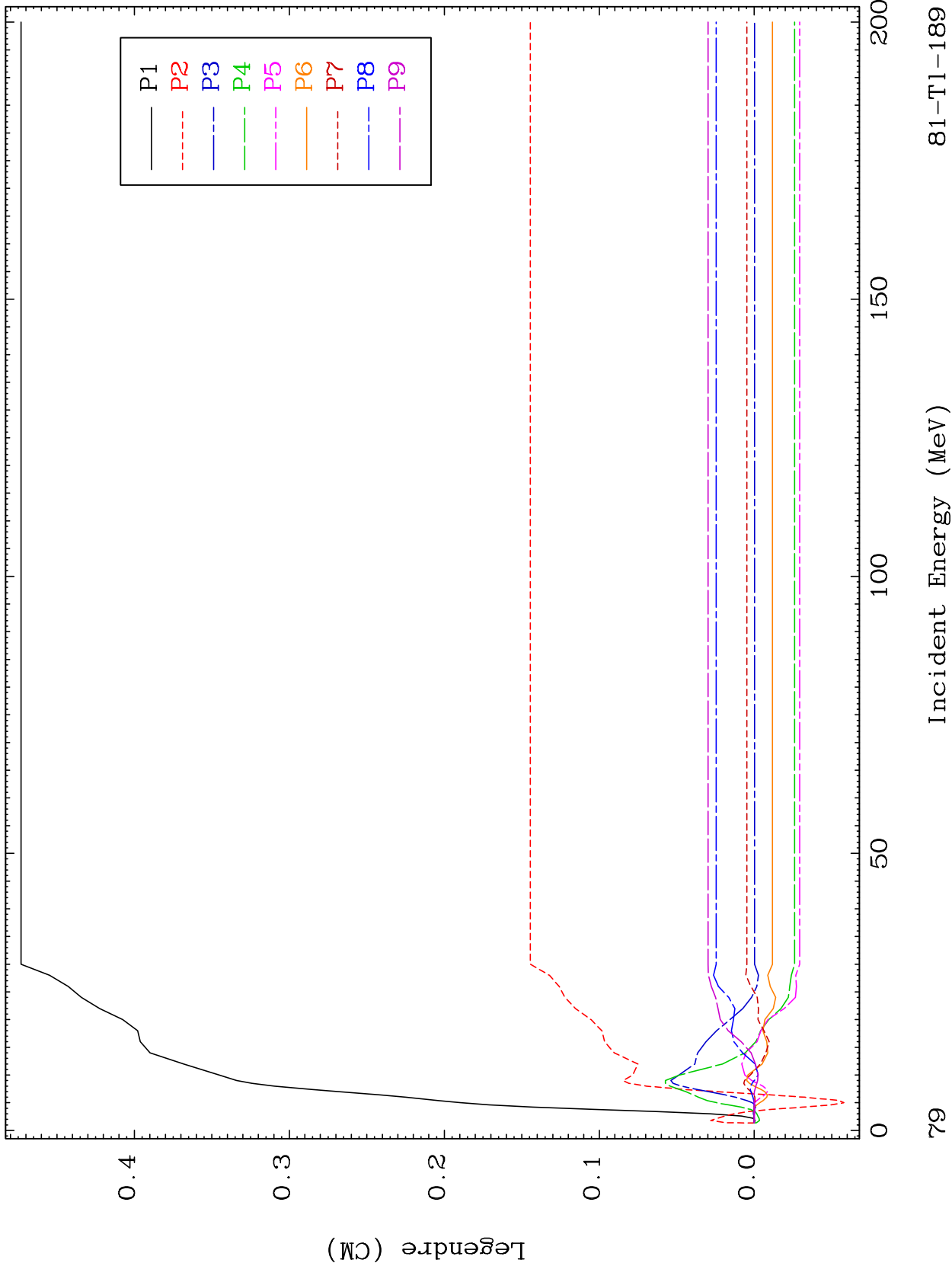
81-Tl-189



MAT 8083

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

81-Tl-189



81-Tl-189

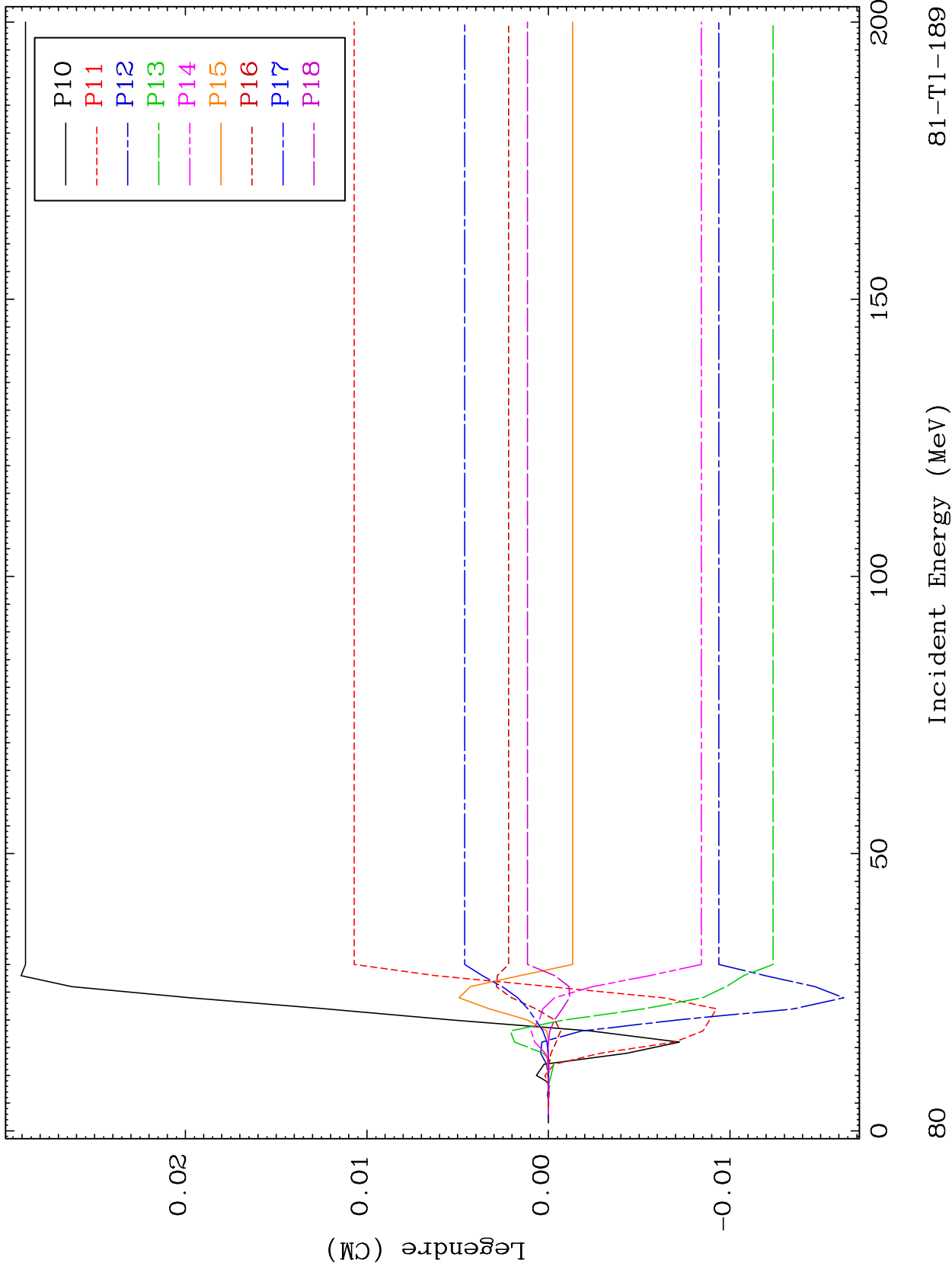
Incident Energy (MeV)

79

MAT 8083

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

81-Tl-189



81-Tl-189

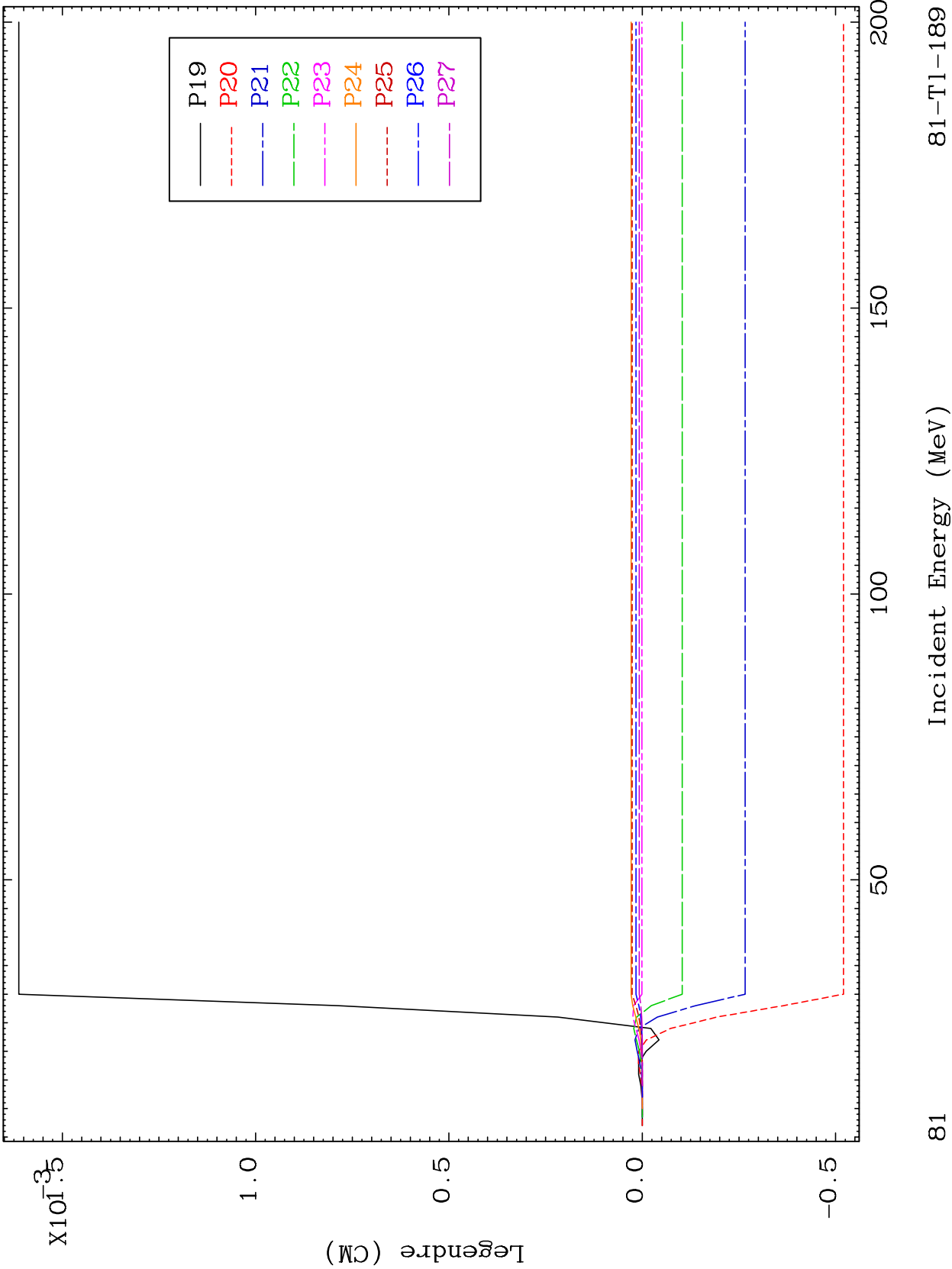
Incident Energy (MeV)

80

MAT 8083

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

81-Tl-189



81

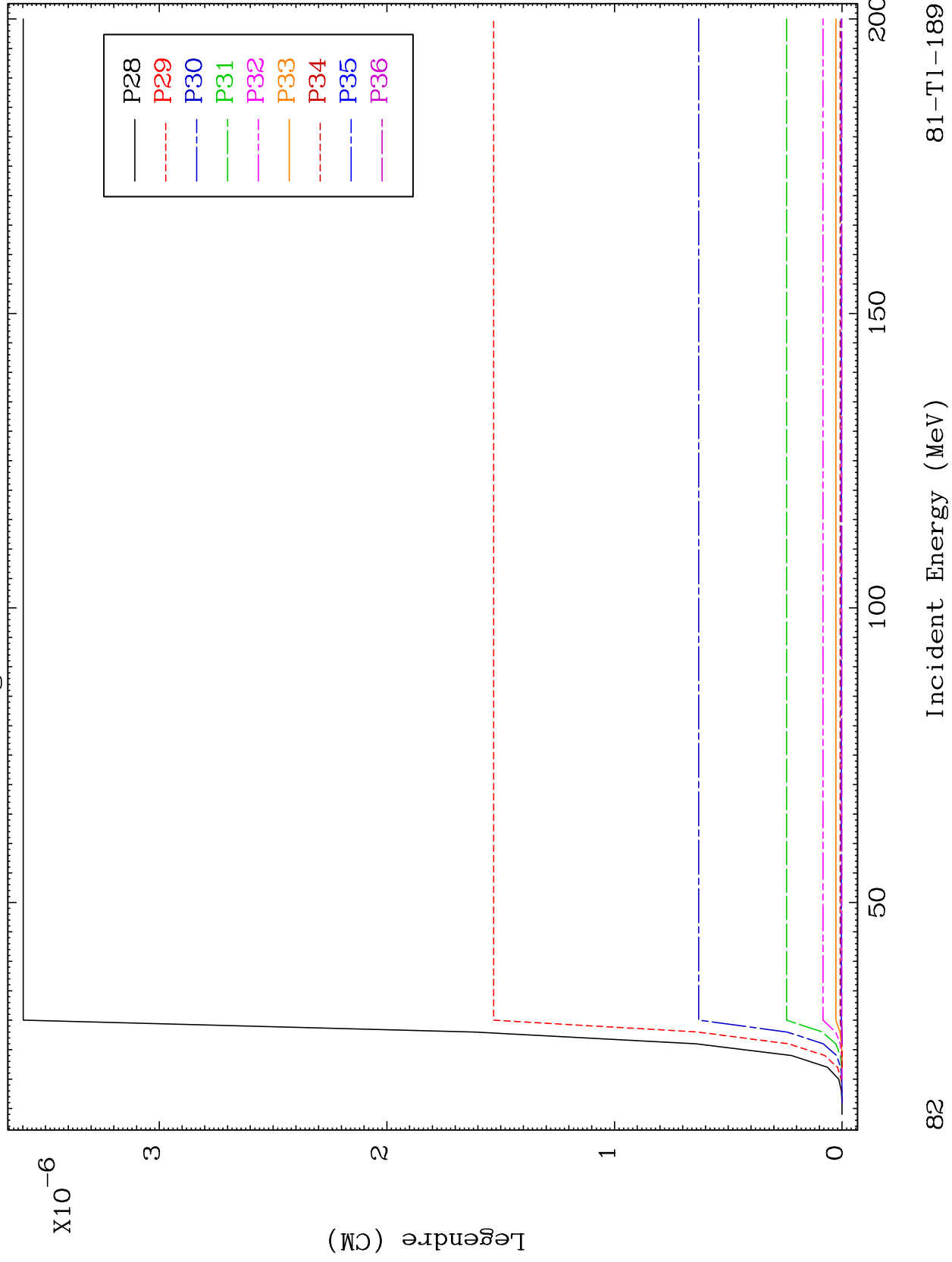
Incident Energy (MeV)

81-Tl-189

MAT 8083

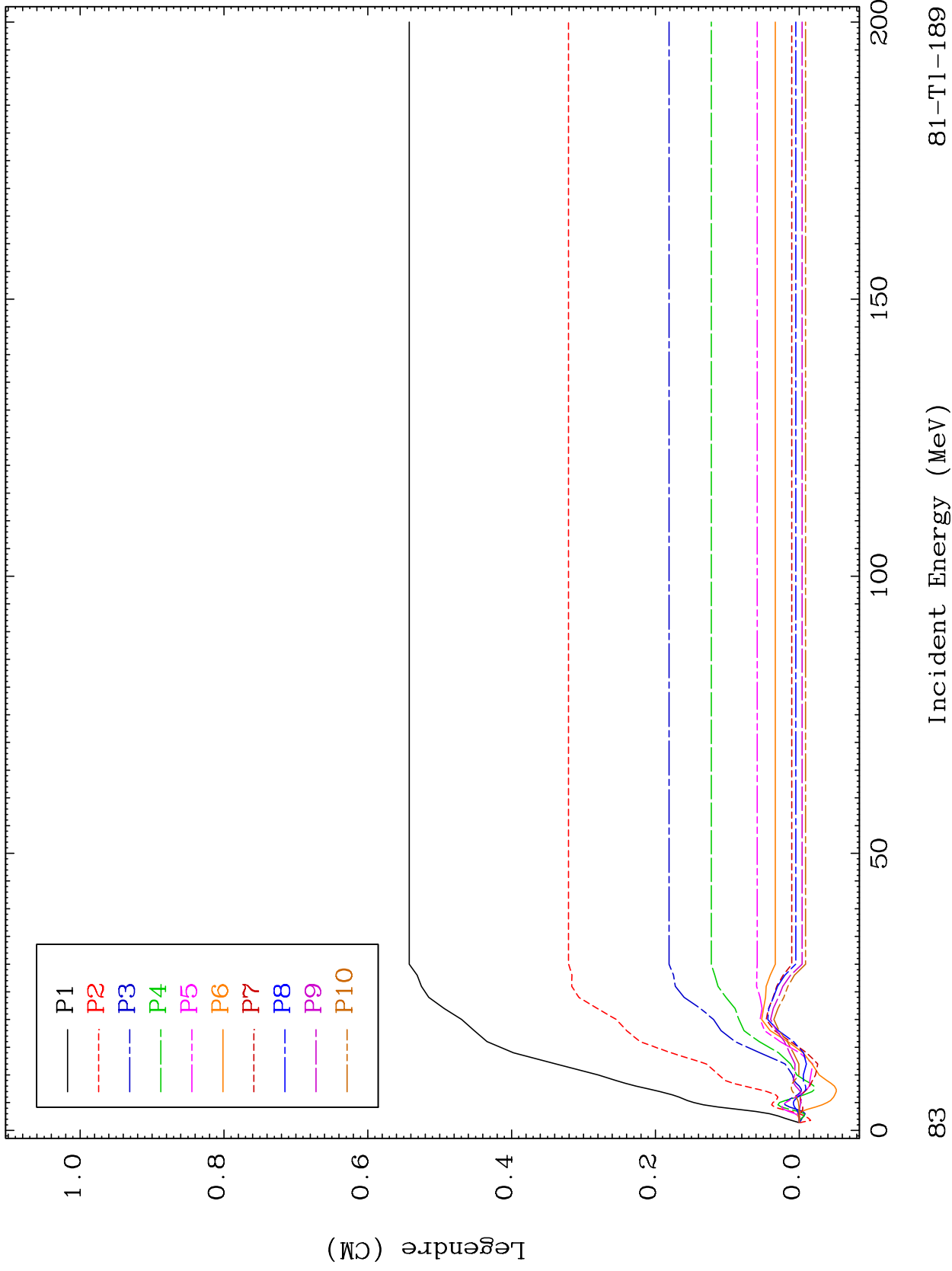
MT= 67 (n,n') Level
Legendre Coefficients

81-Tl-189



82

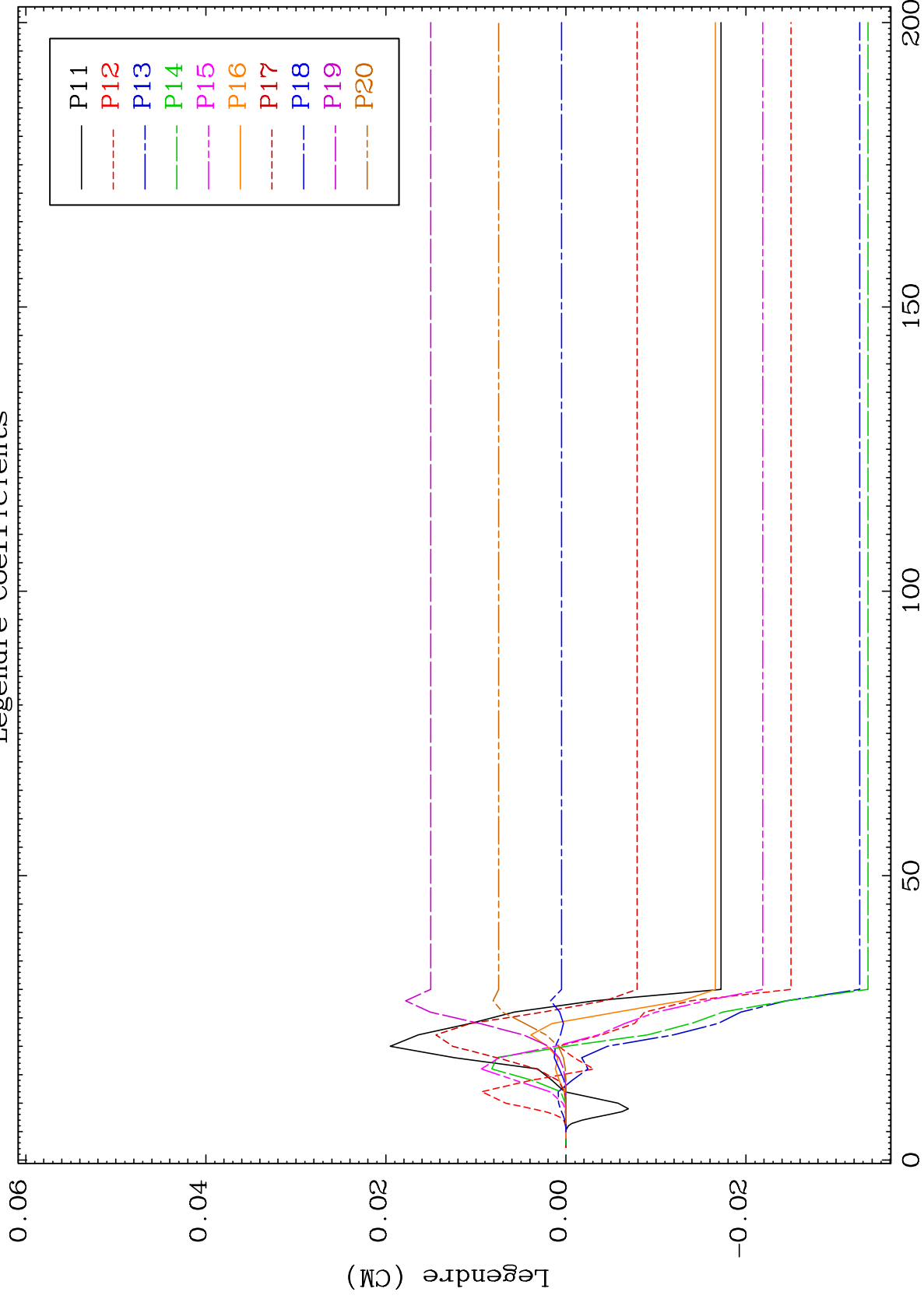
81-Tl-189



MAT 8083

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

81-T1-189



84

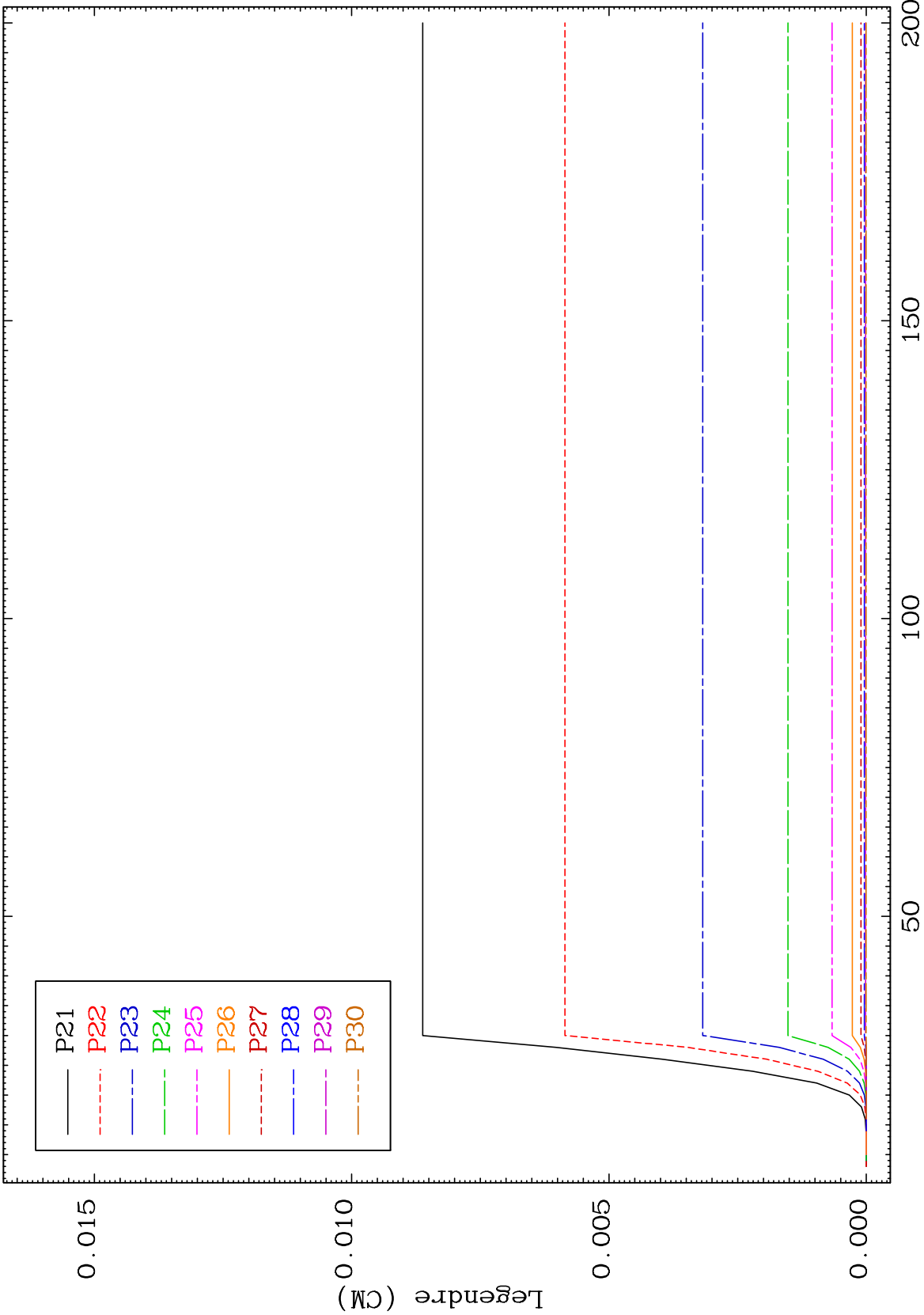
Incident Energy (MeV)

81-T1-189

MAT 8083

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

81-Tl-189



85

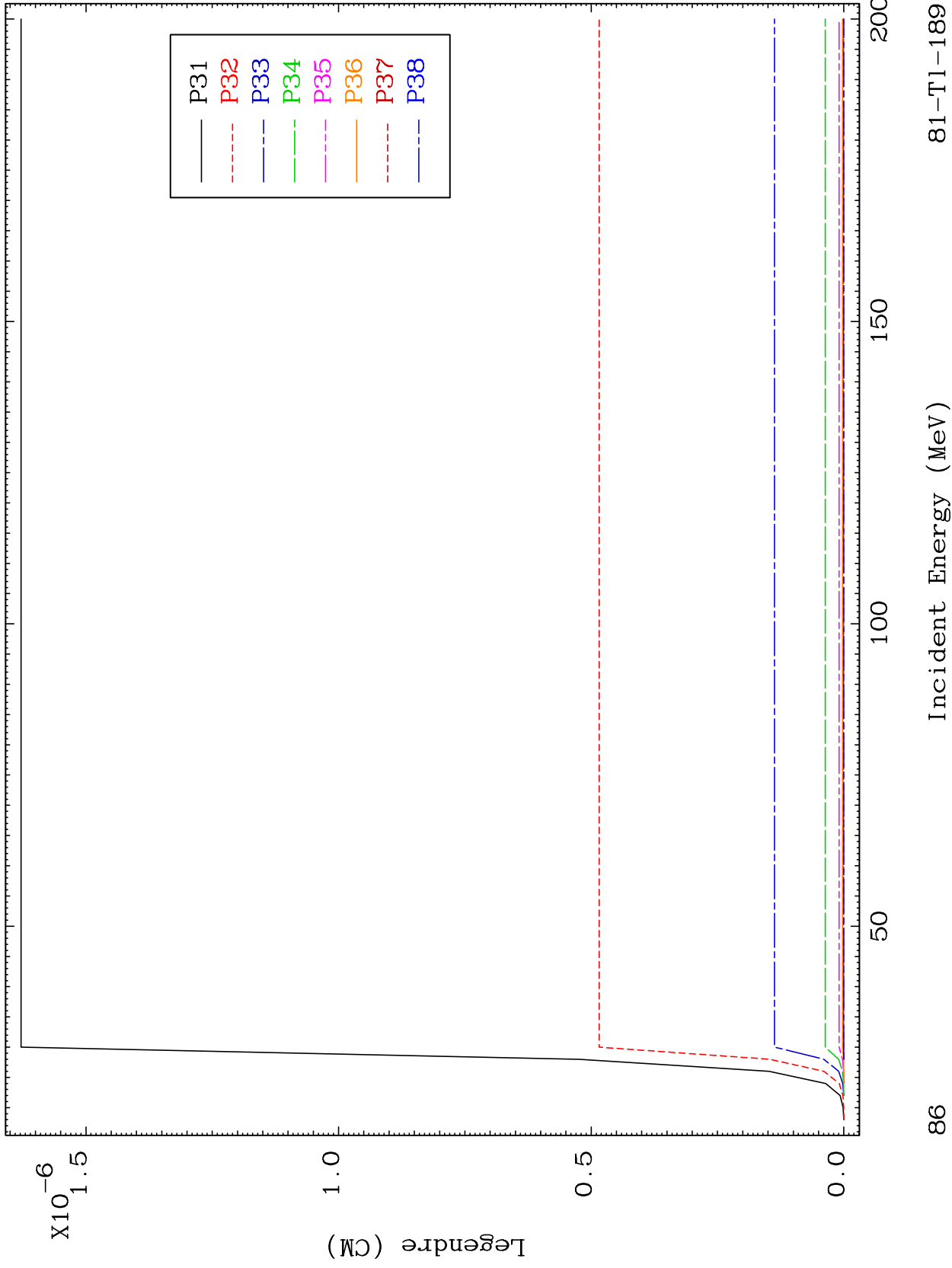
Incident Energy (MeV)

81-Tl-189

MAT 8083

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

81-Tl-189



86

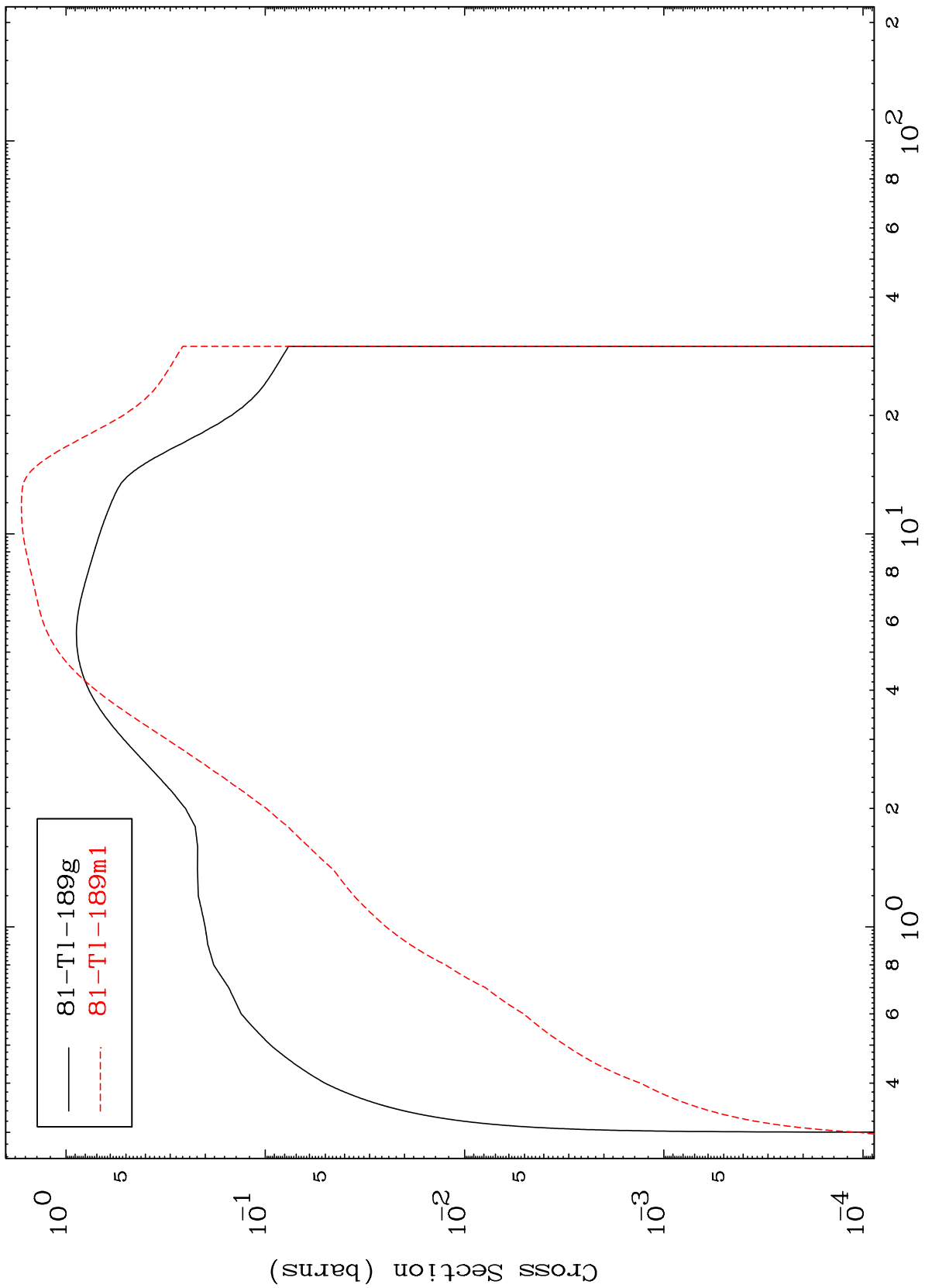
Incident Energy (MeV)

81-Tl-189

MAT 8083

81-Tl-189

Inelastic
Radionuclide Production Cross Section



87

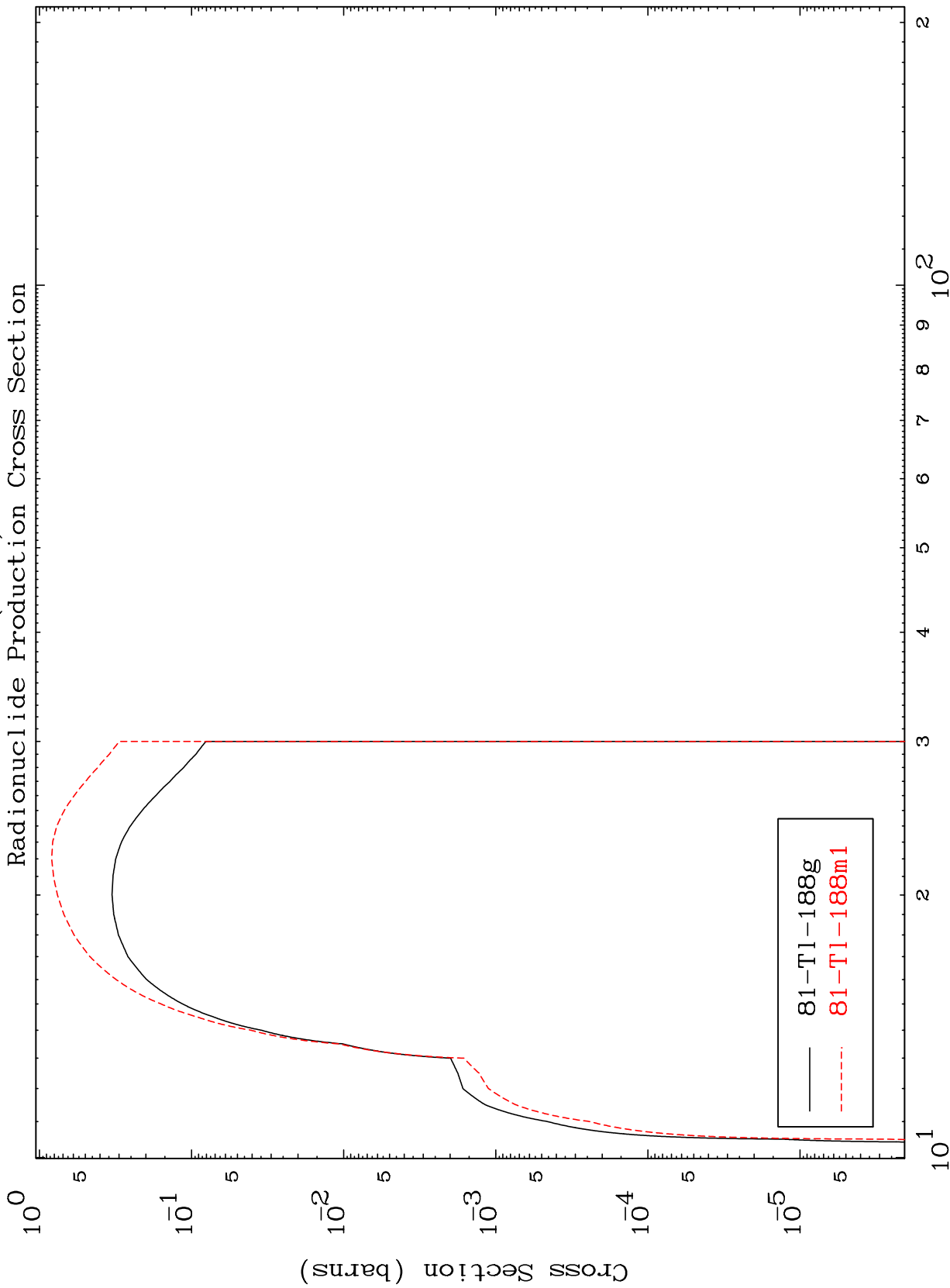
81-Tl-189

Incident Energy (MeV)

MAT 8083

81-Tl-189

(n,2n)
Radionuclide Production Cross Section

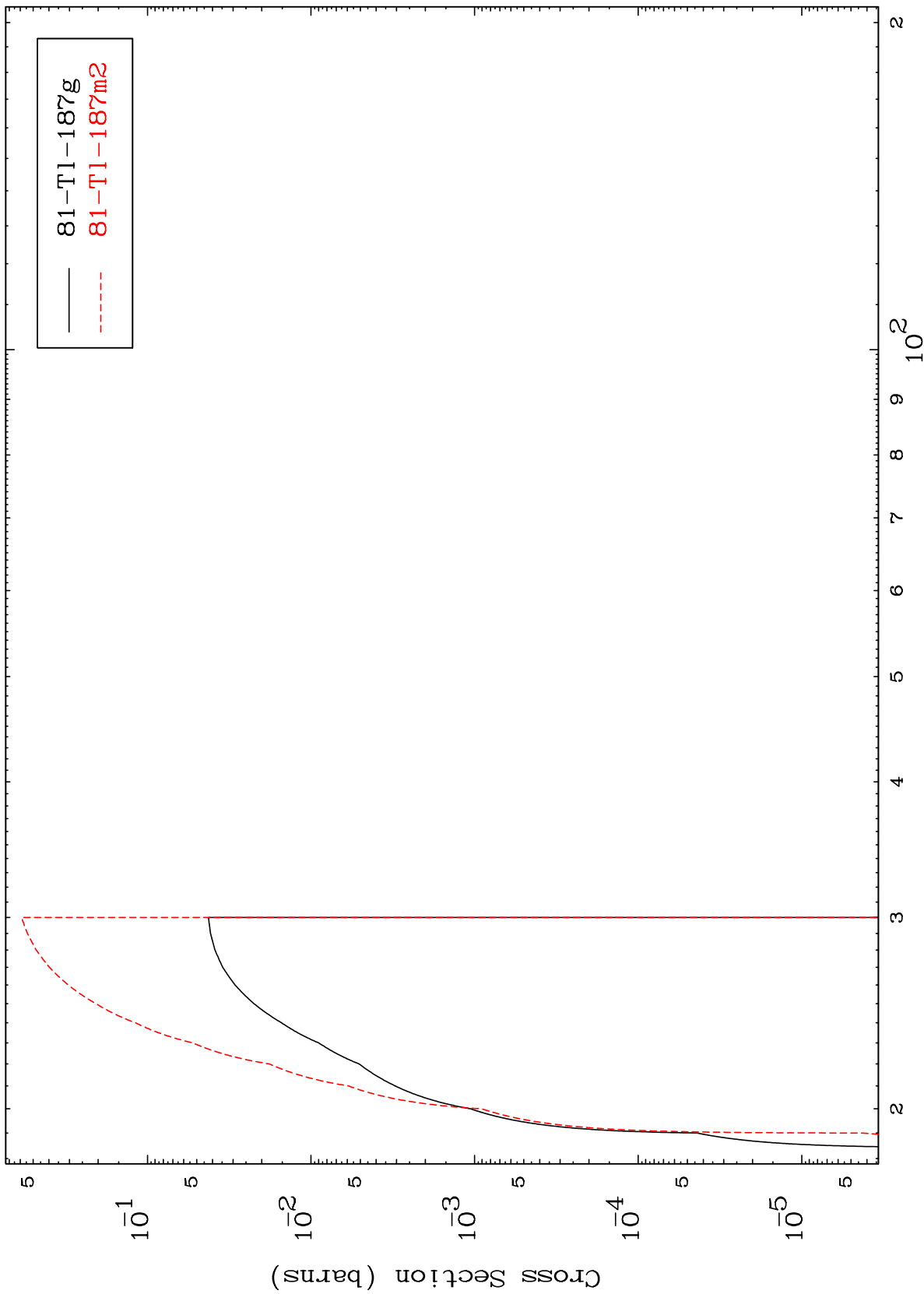


81-Tl-189

Incident Energy (MeV)

88

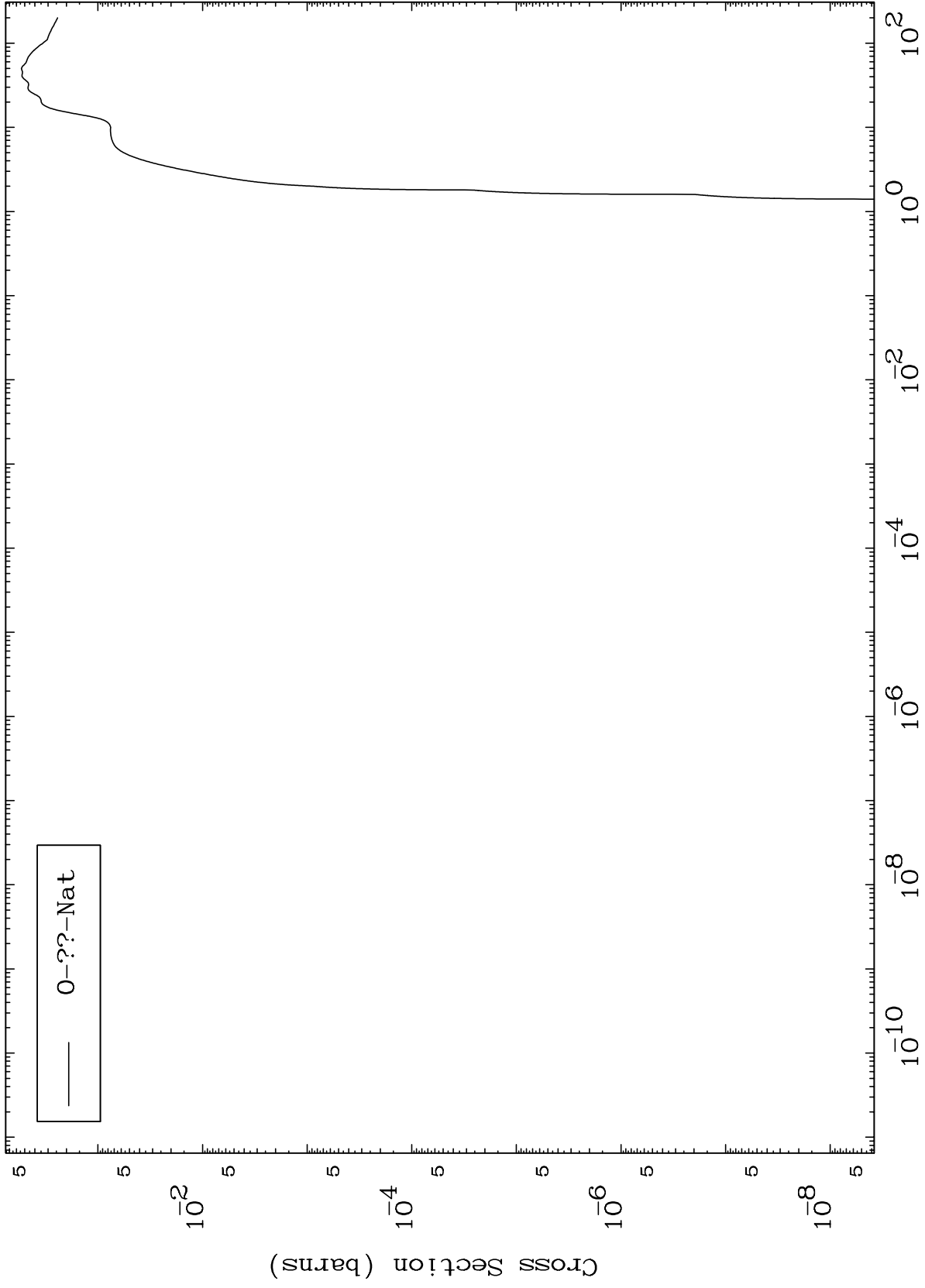
(n,3n)
Radionuclide Production Cross Section



MAT 8083

Fission
Radionuclide Production Cross Section

81-Tl-189



90

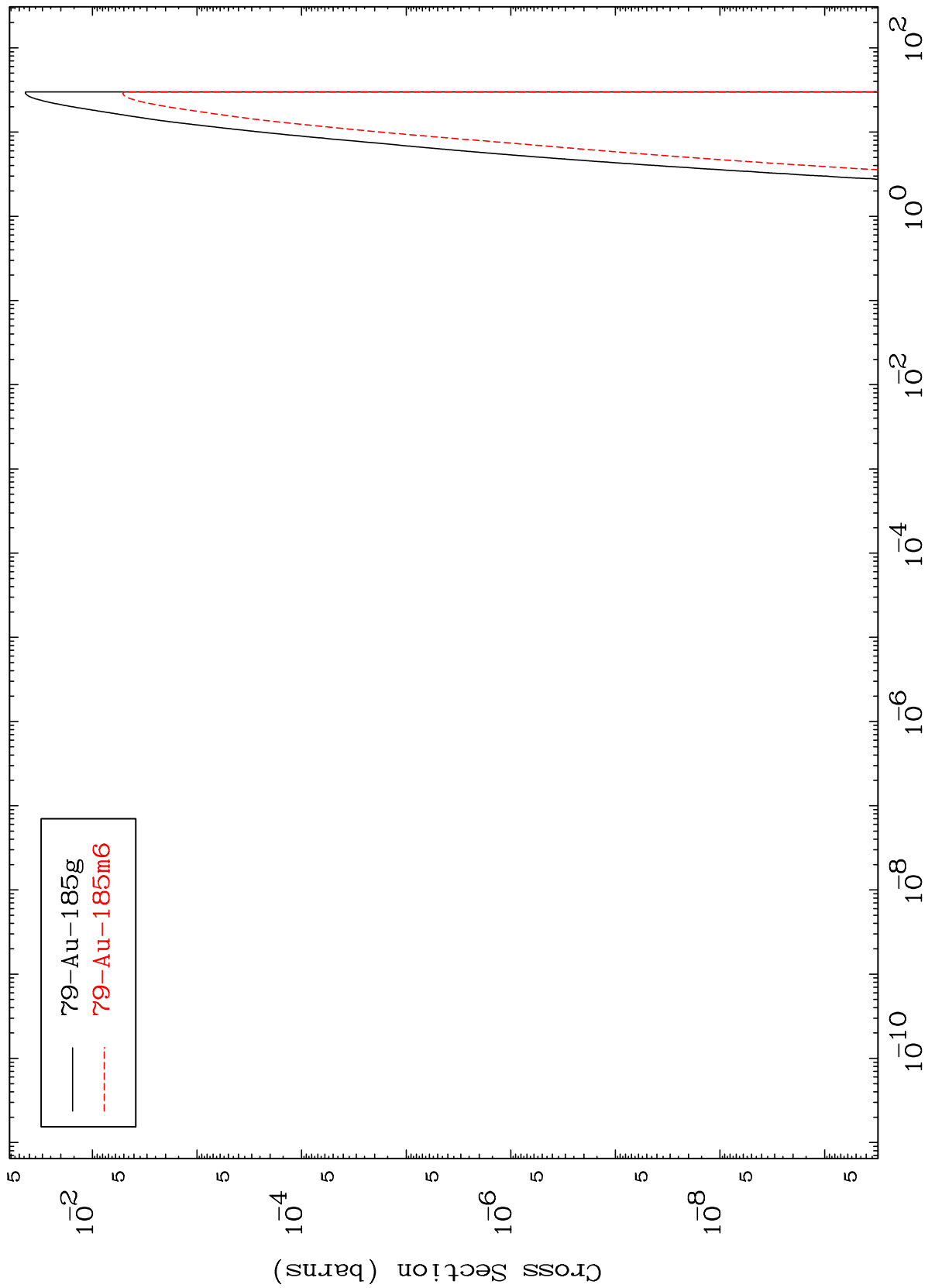
81-Tl-189

MAT 8083

(n, n') α

81-Tl-189

Radionuclide Production Cross Section

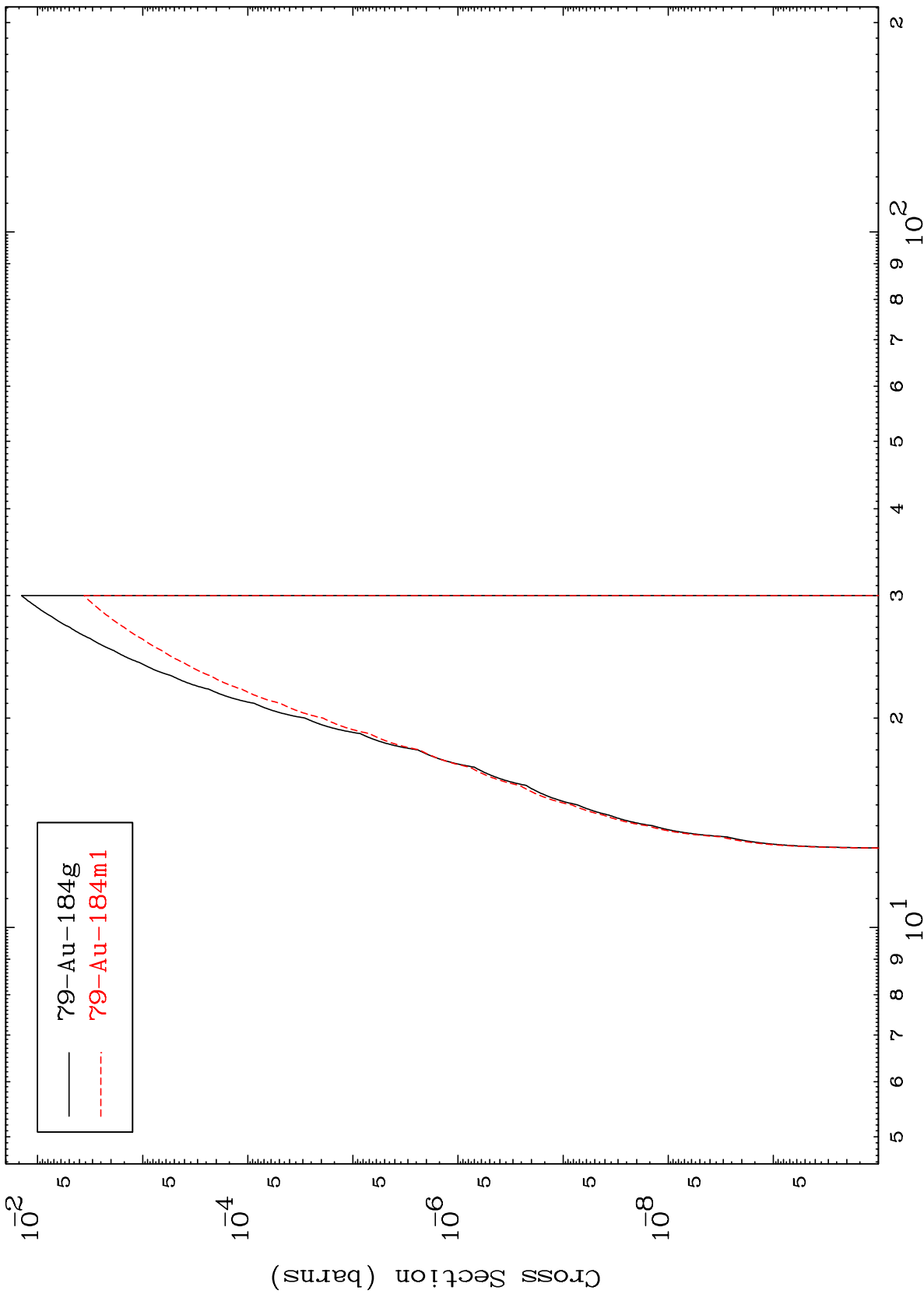


MAT 8083

(n,2n) α

81-Tl-189

Radionuclide Production Cross Section



92

Incident Energy (MeV)

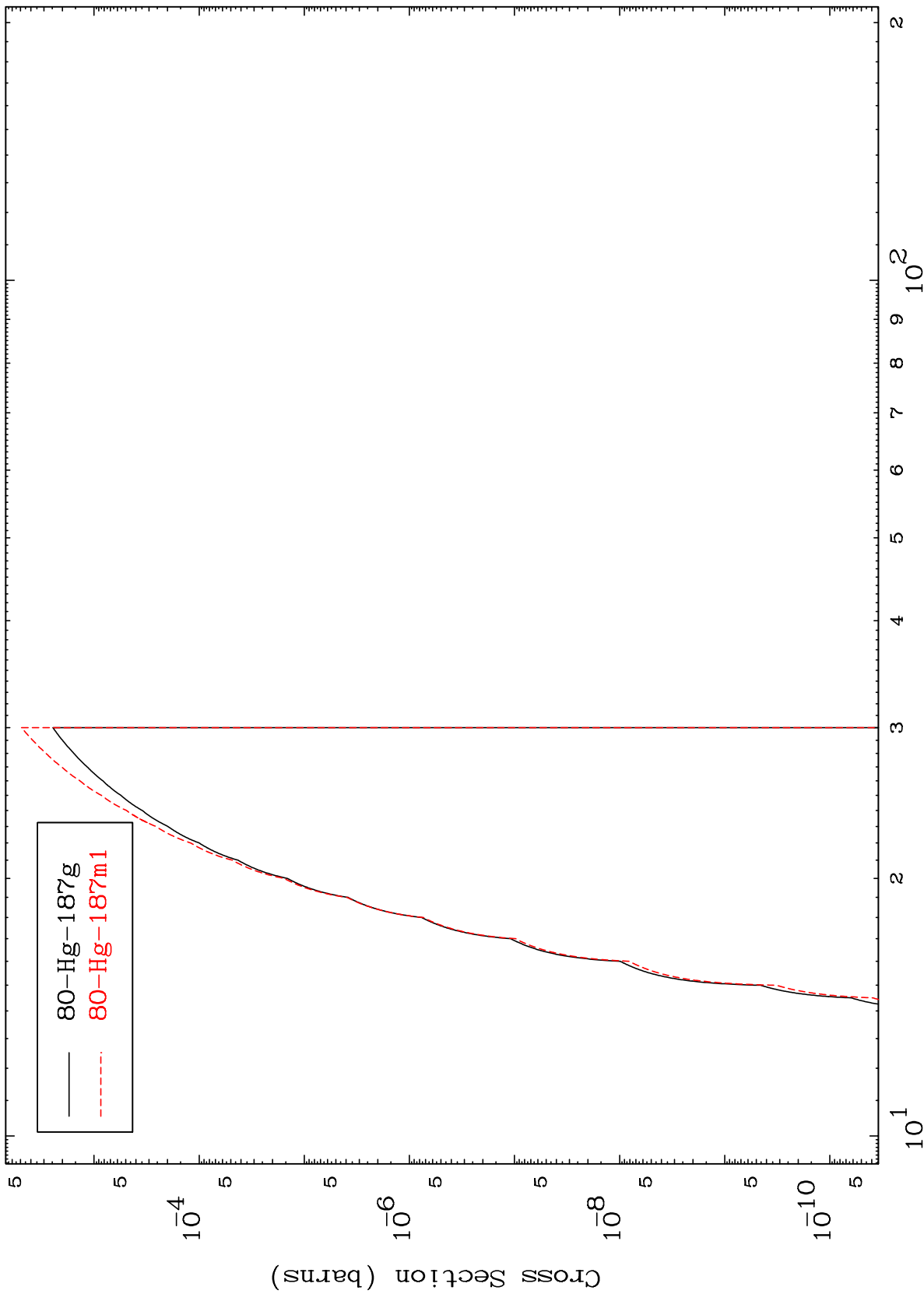
81-Tl-189

MAT 8083

(n,n') d

81-Tl-189

Radionuclide Production Cross Section

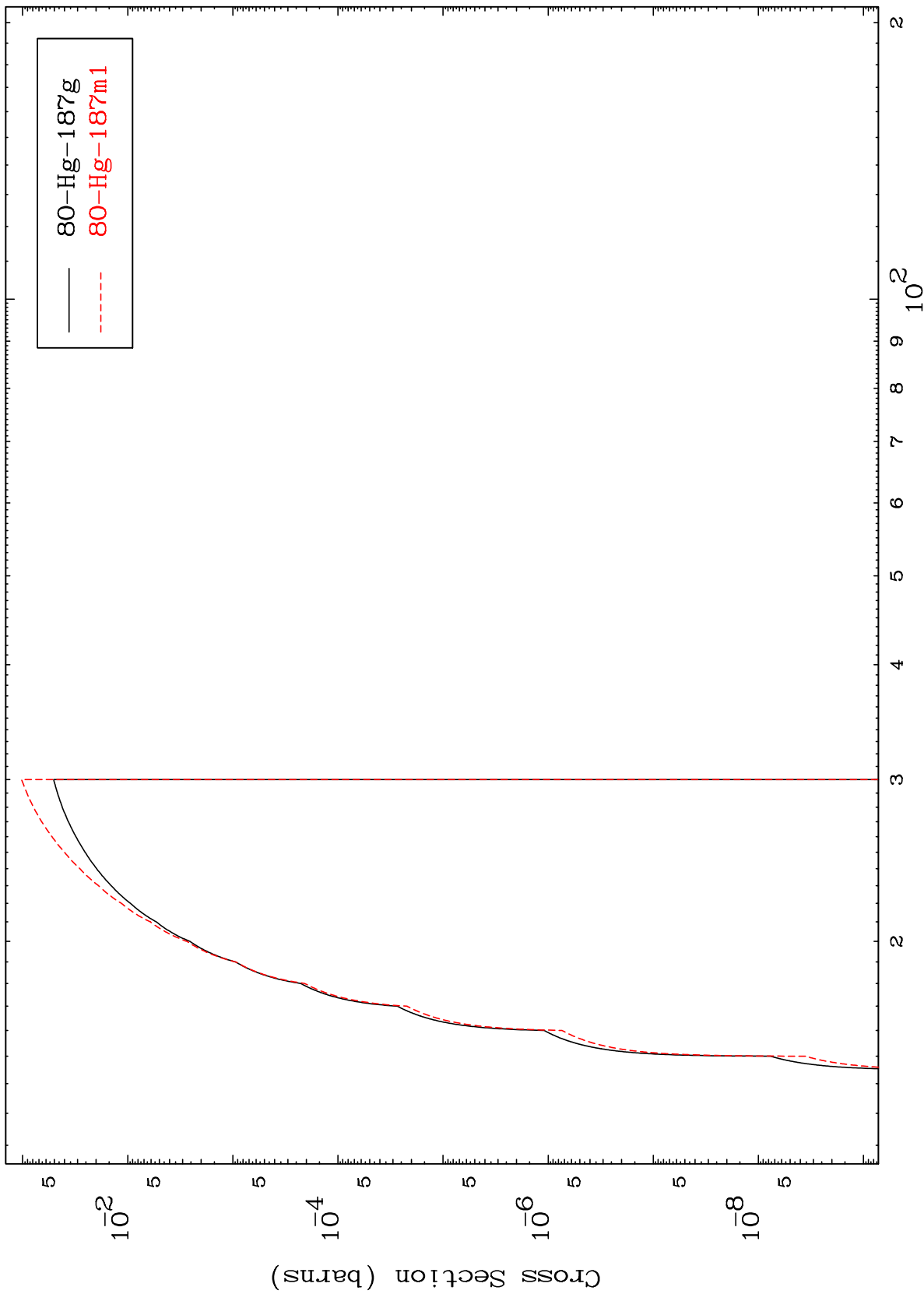


93

Incident Energy (MeV)

81-Tl-189

Radionuclide Production Cross Section

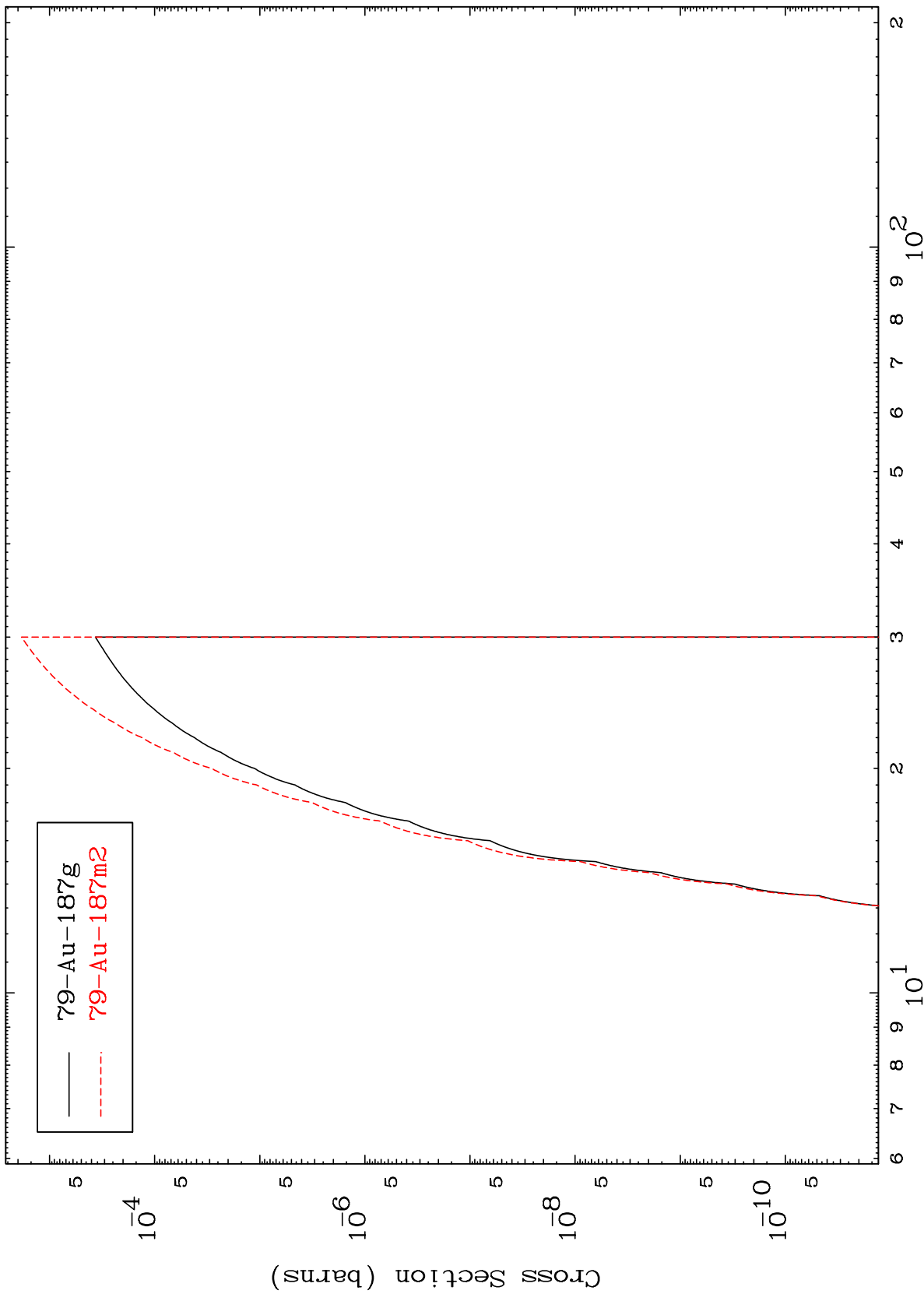


MAT 8083

(n,2n) p

81-Tl-189

Radionuclide Production Cross Section



95

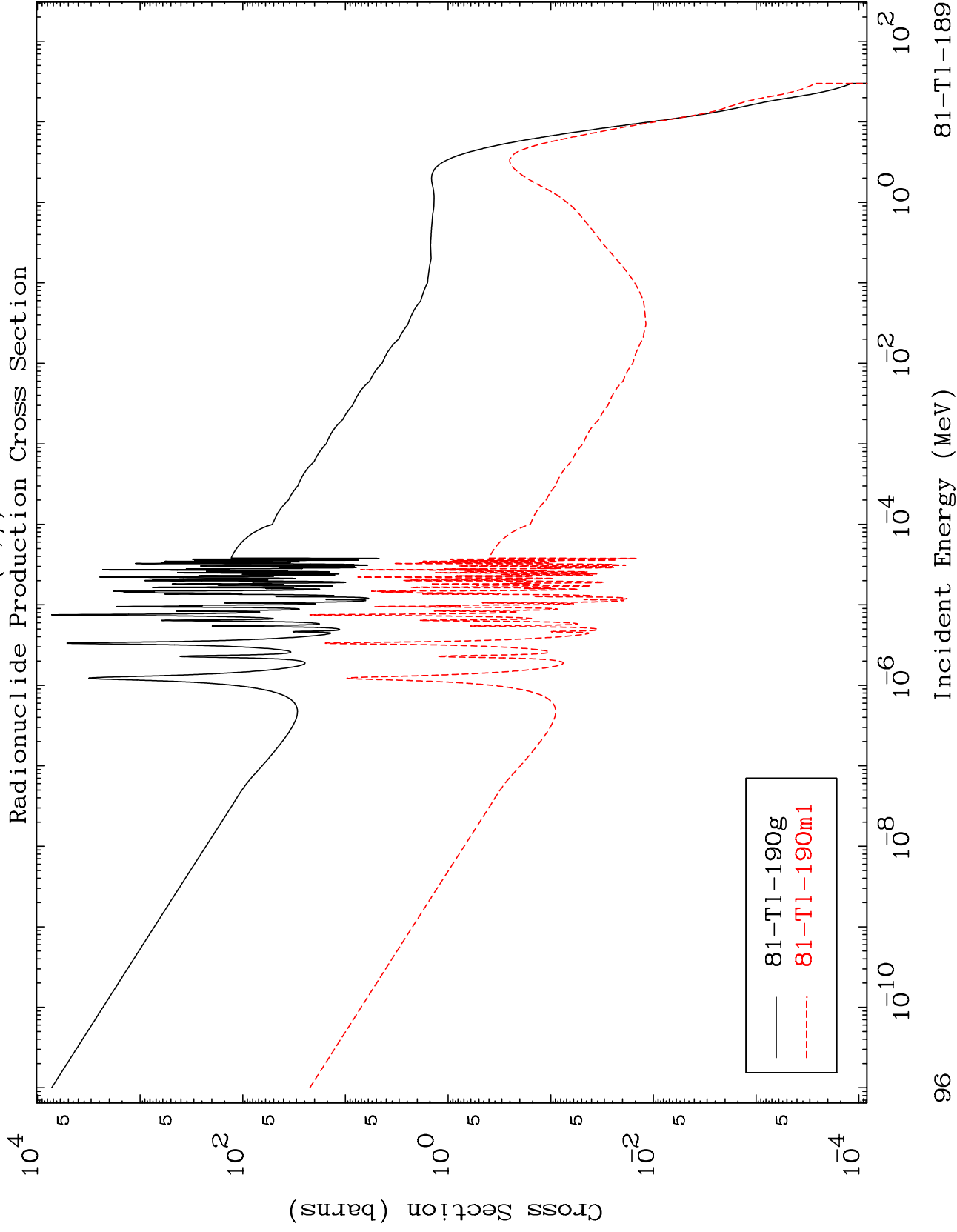
Incident Energy (MeV)

81-Tl-189

MAT 8083

81-Tl-189

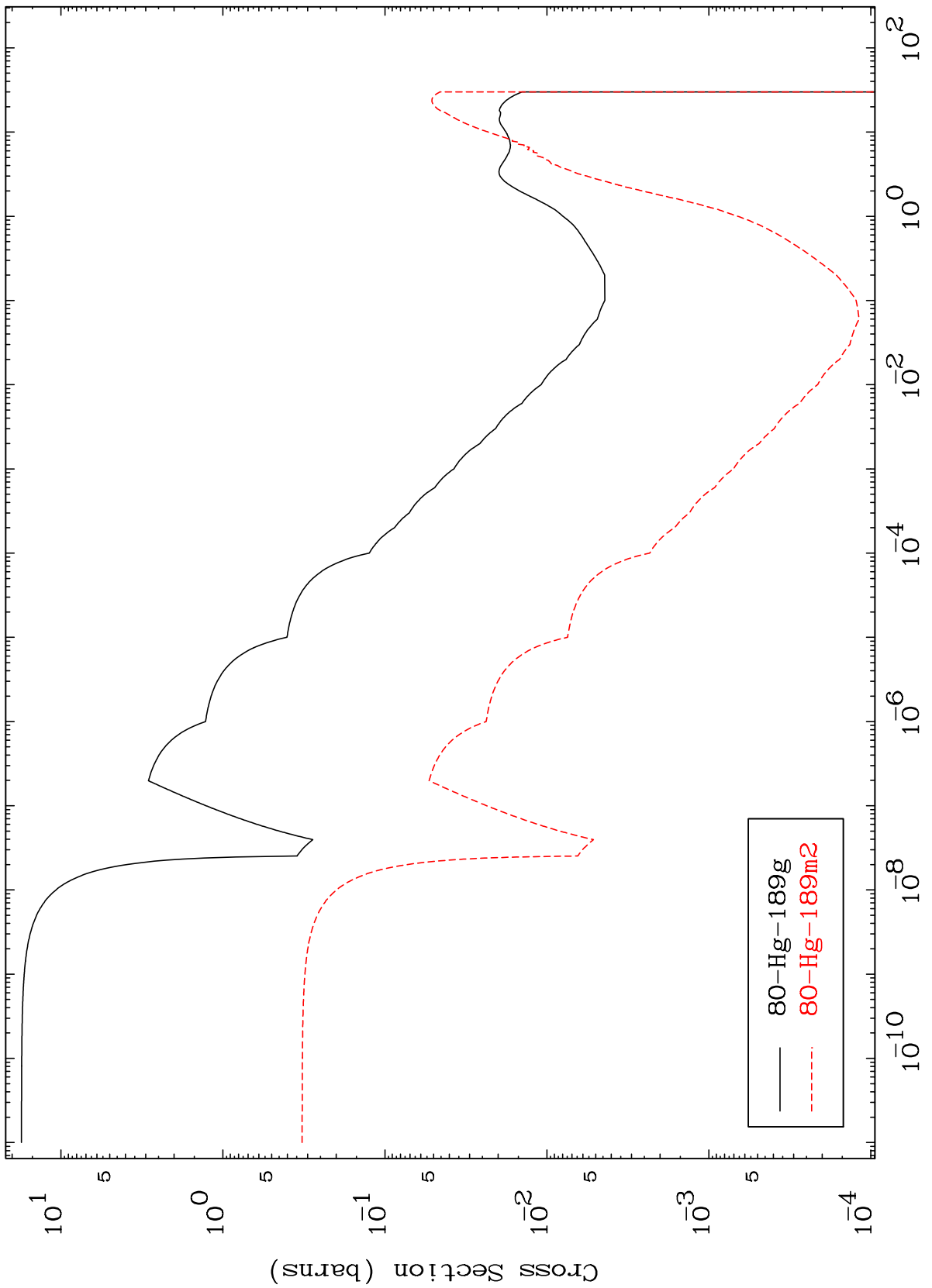
Radionuclide Production Cross Section
(n, γ)



MAT 8083

81-Tl-189

(n,p)
Radionuclide Production Cross Section

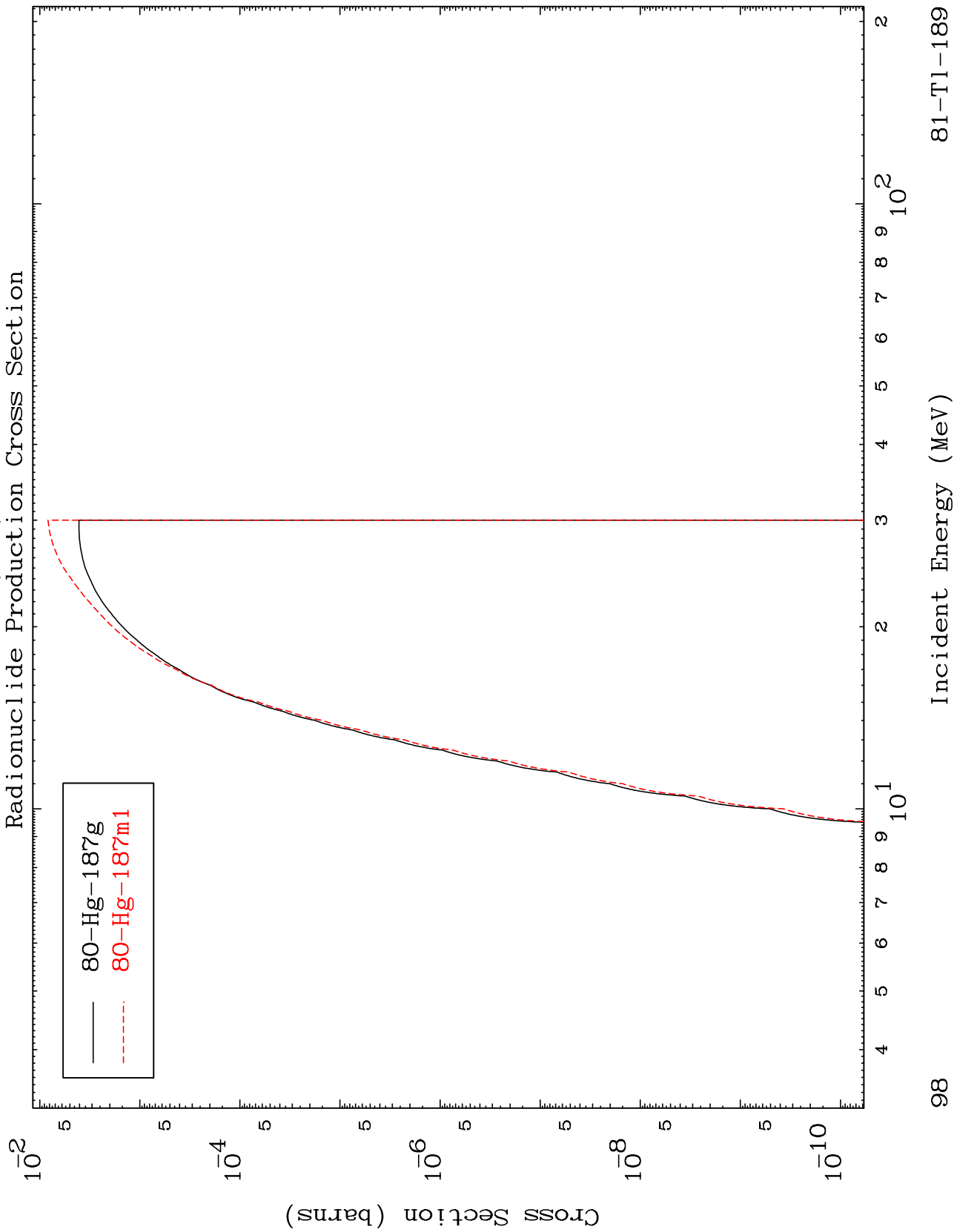


97

81-Tl-189

MAT 8083

81-Tl-189

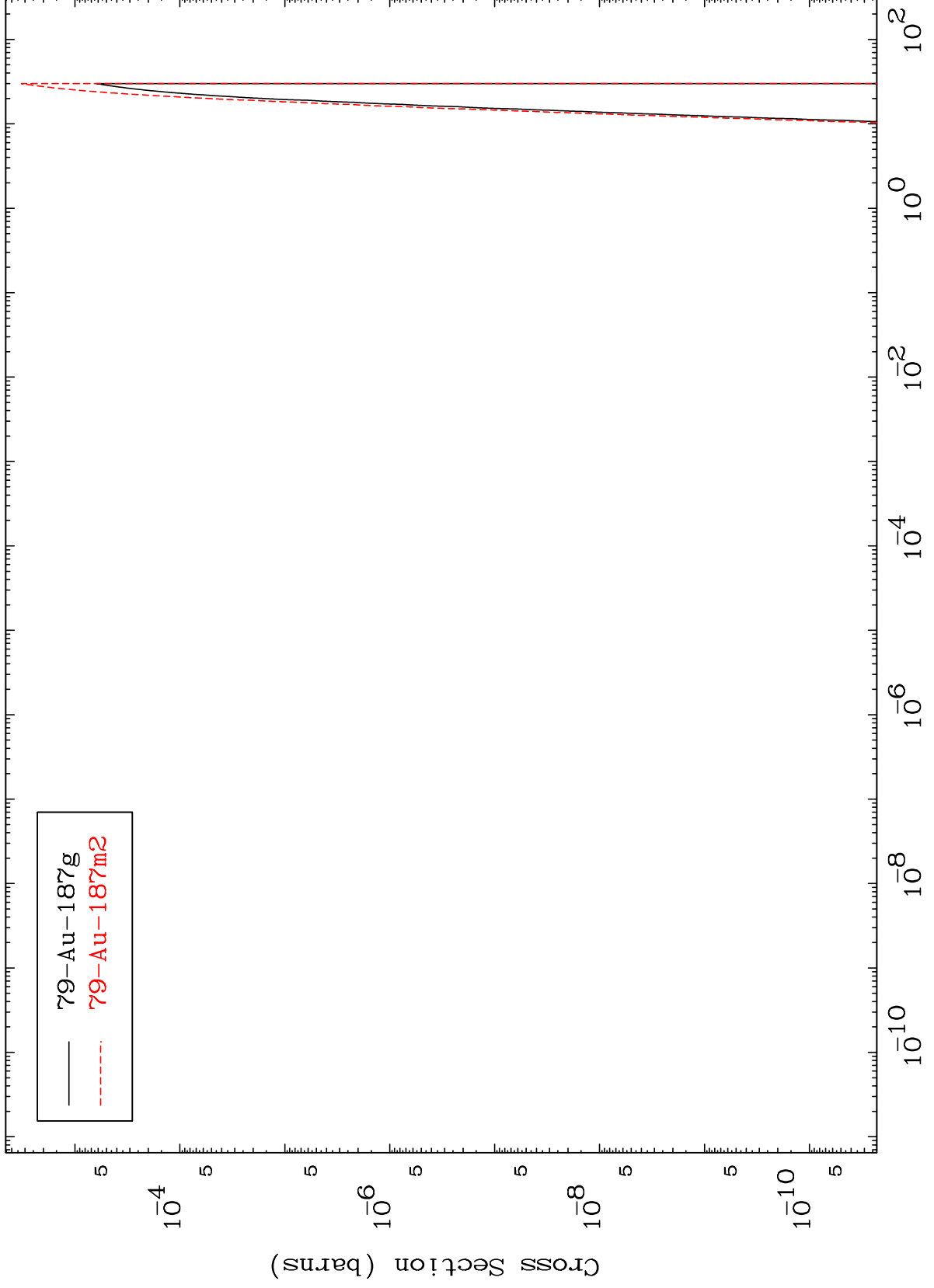


MAT 8083

(n,He-3)

81-Tl-189

Radionuclide Production Cross Section



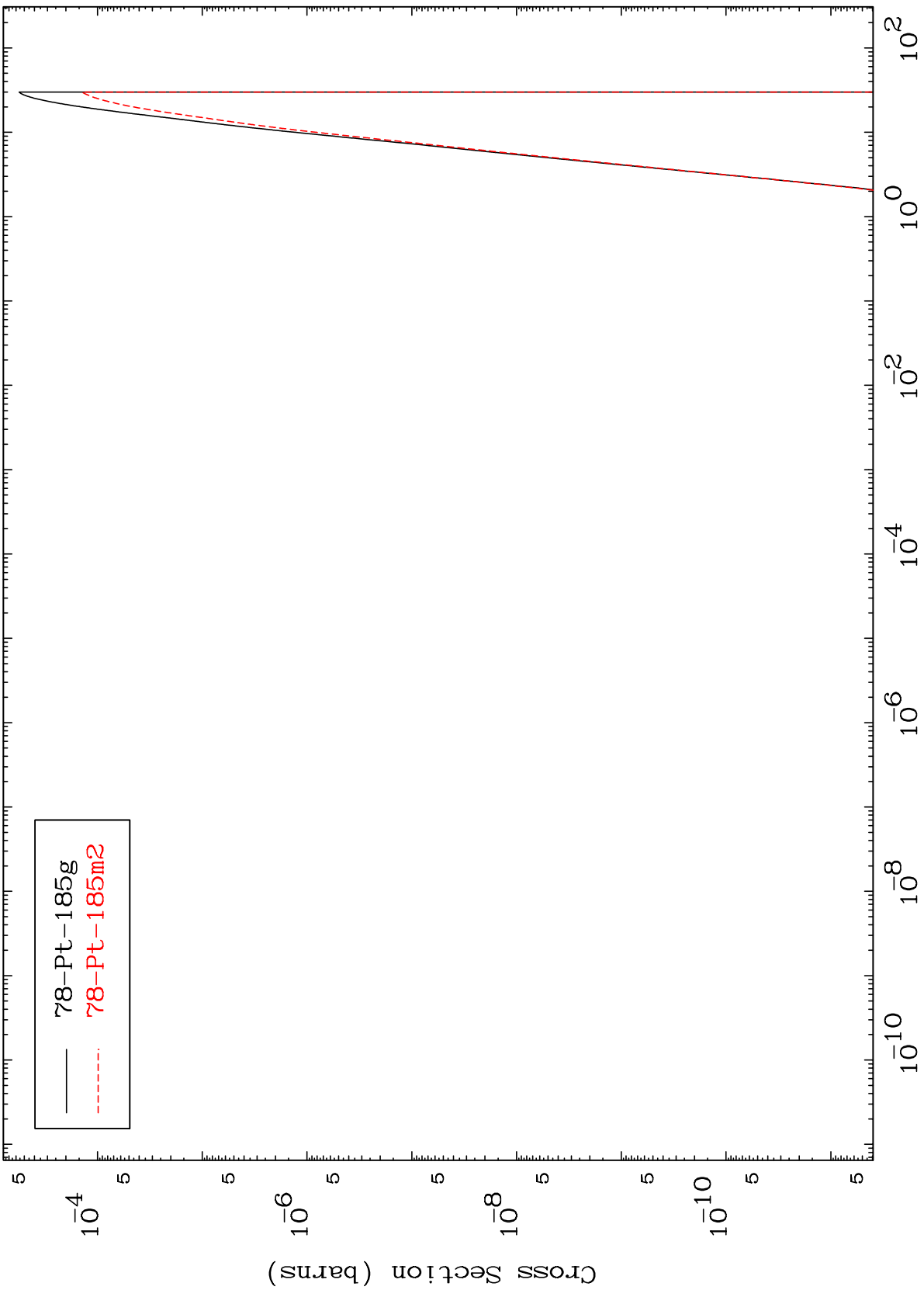
79-Au-187g
79-Au-187m2

MAT 8083

(n,p) α

81-Tl-189

Radionuclide Production Cross Section



100

Incident Energy (MeV)

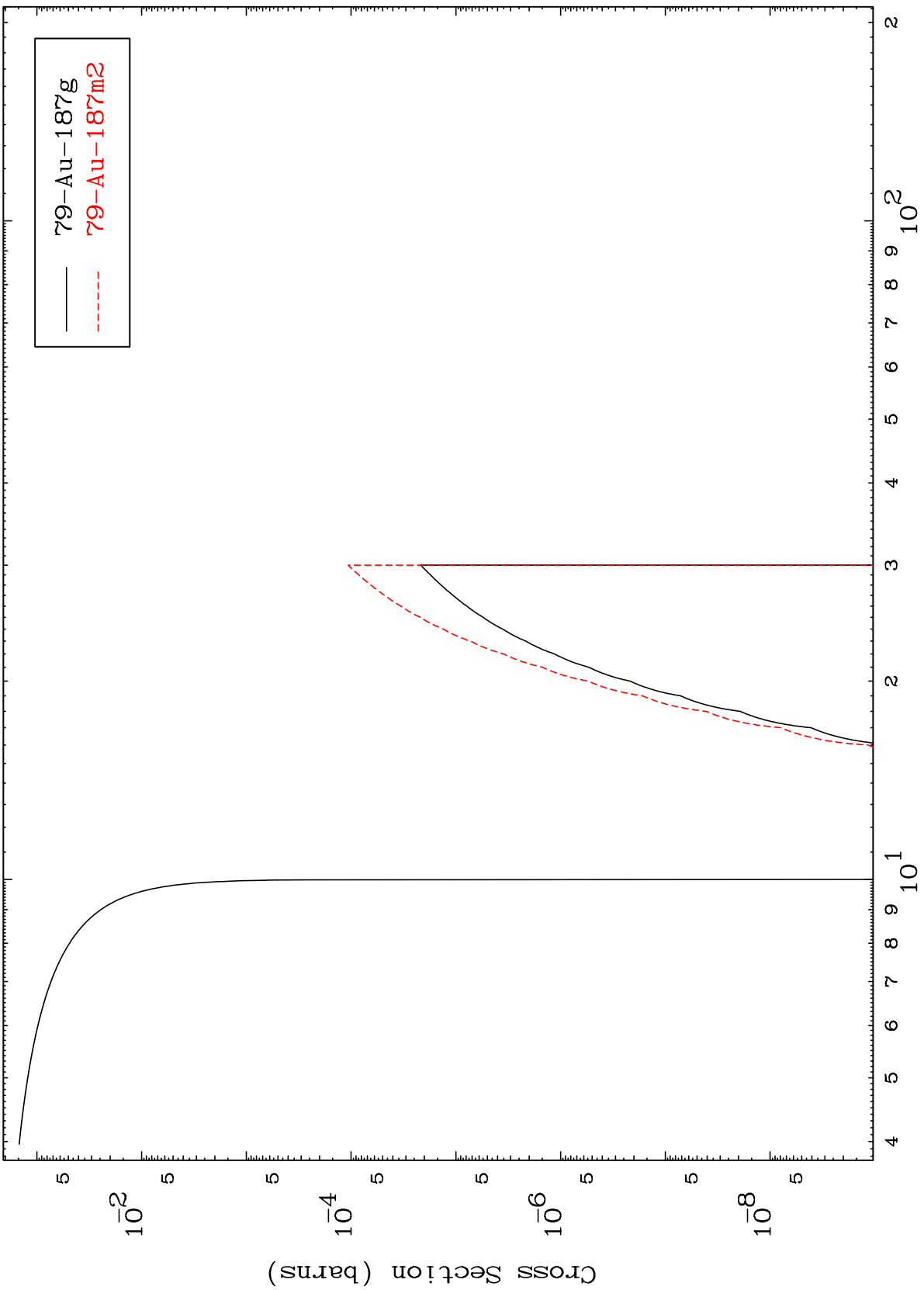
81-Tl-189

MAT 8083

(n,p) d

81-Tl-189

Radionuclide Production Cross Section



101

Incident Energy (MeV)

81-Tl-189