

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

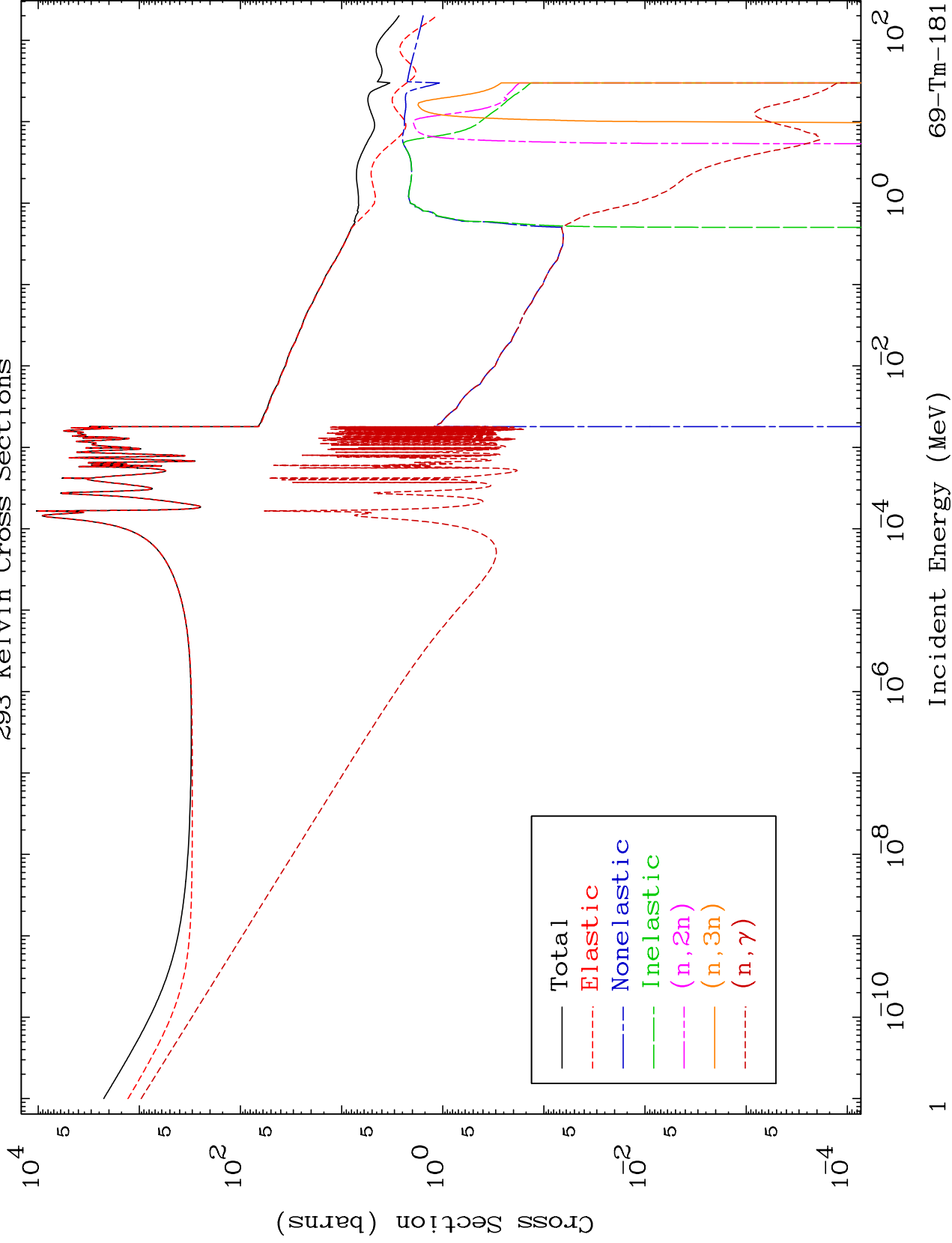
Web:redcullen1.net/HOMEPAGE.NEW

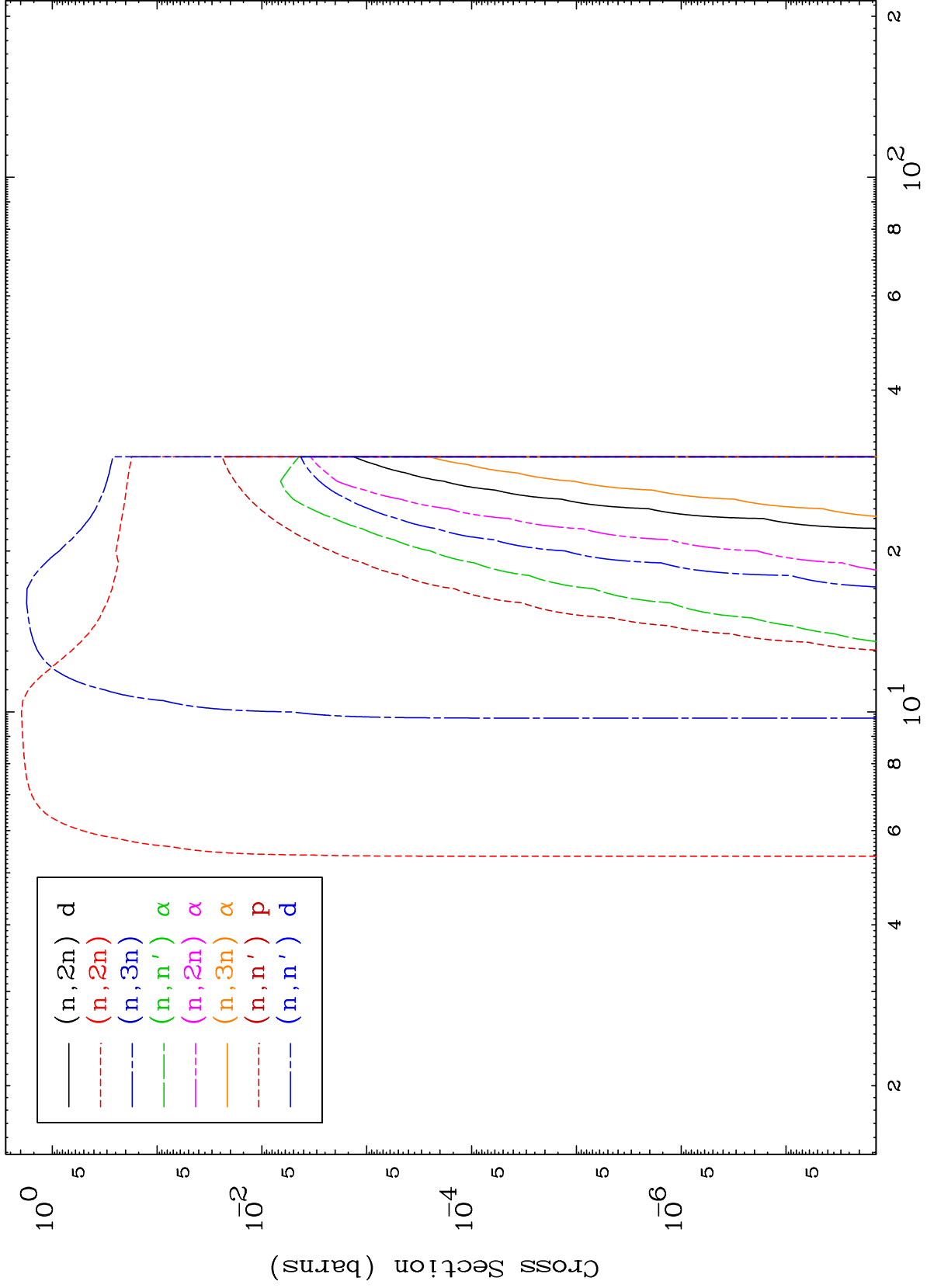
Press Mouse Button to Start

MAT 6961

Neutron Major
293 Kelvin Cross Sections

69-Tm-181

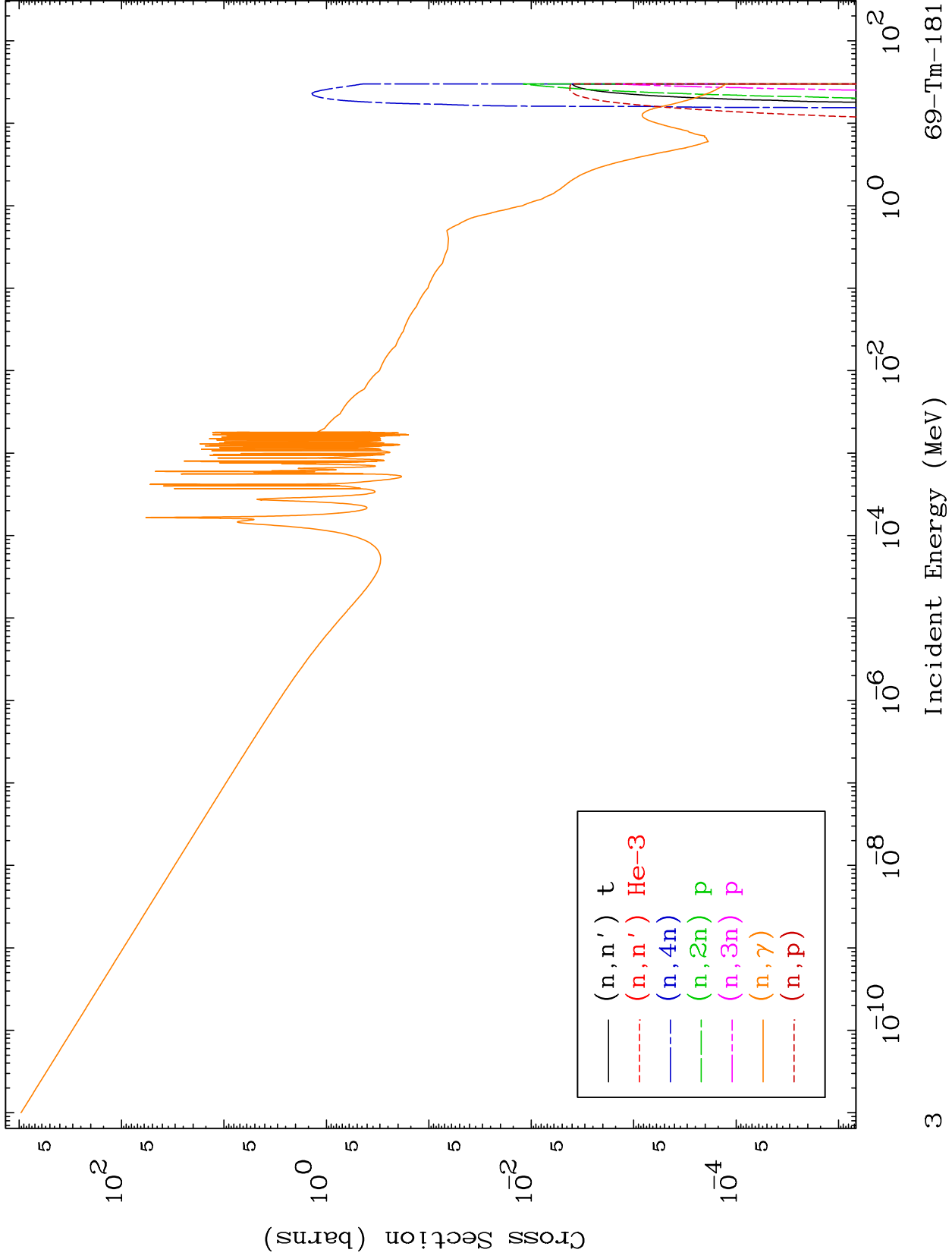




MAT 6961

Neutron Absorption
293 Kelvin Cross Sections

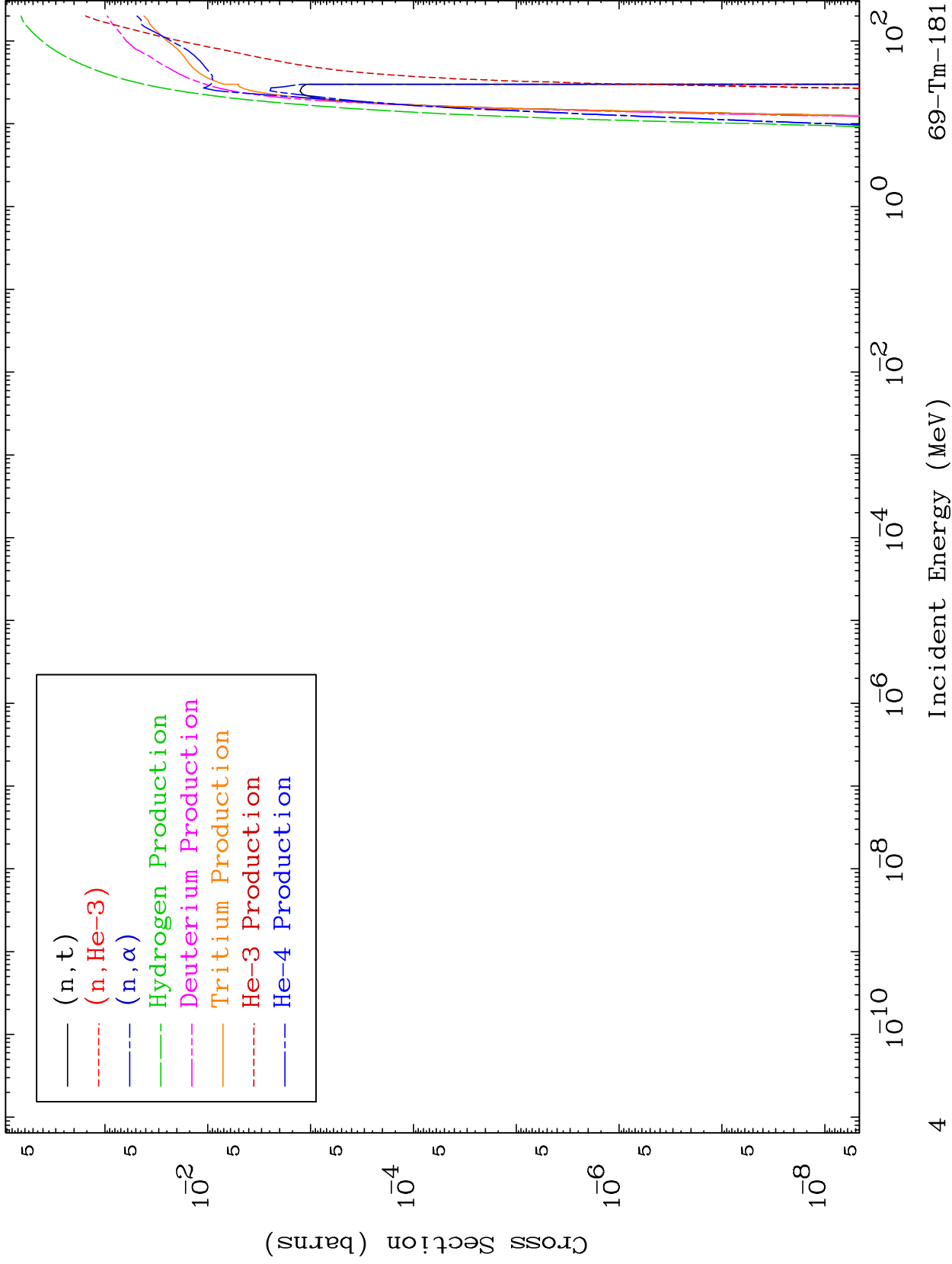
69-Tm-181

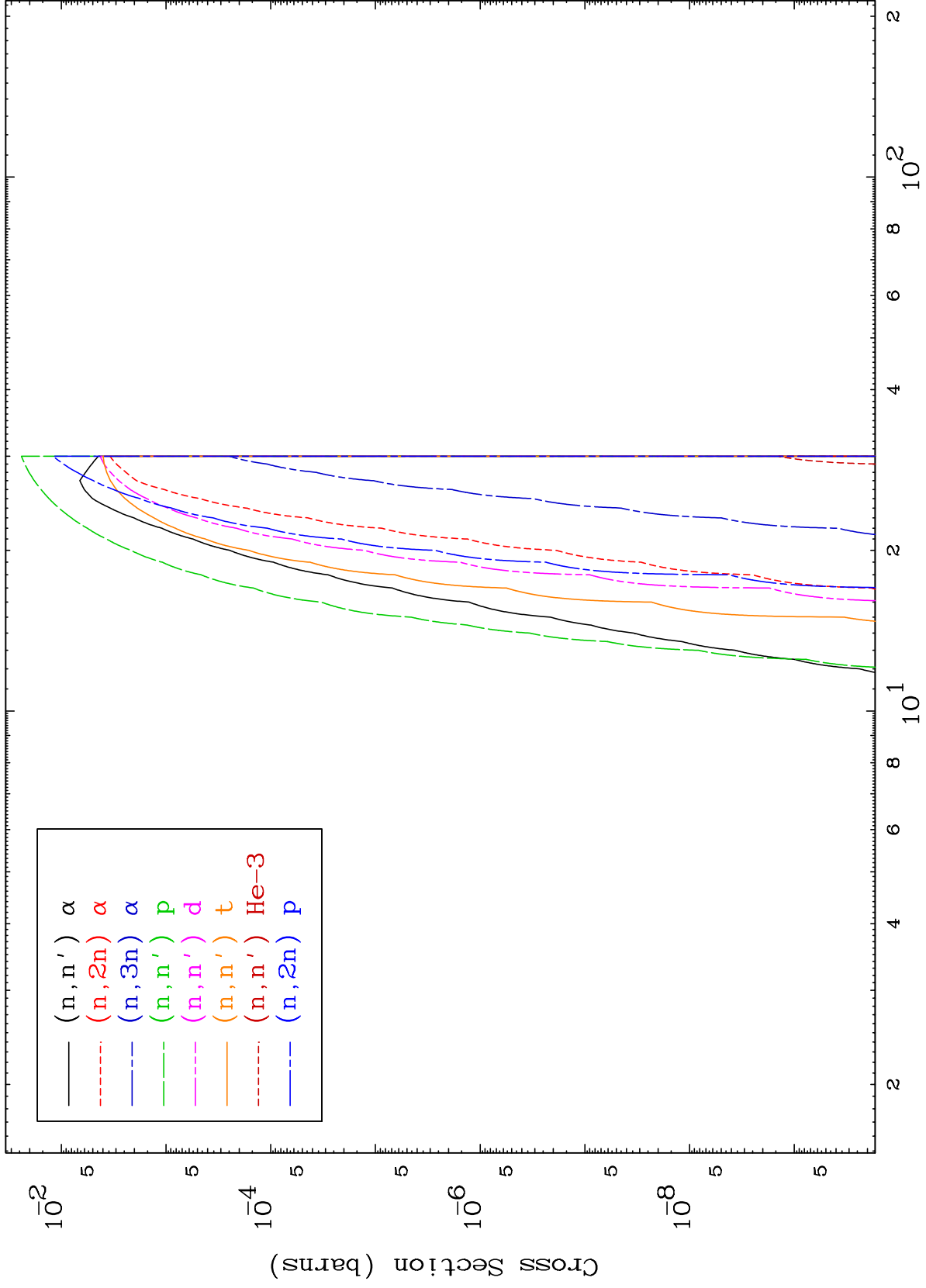


MAT 6961

Neutron Absorption
293 Kelvin Cross Sections

69-Tm-181

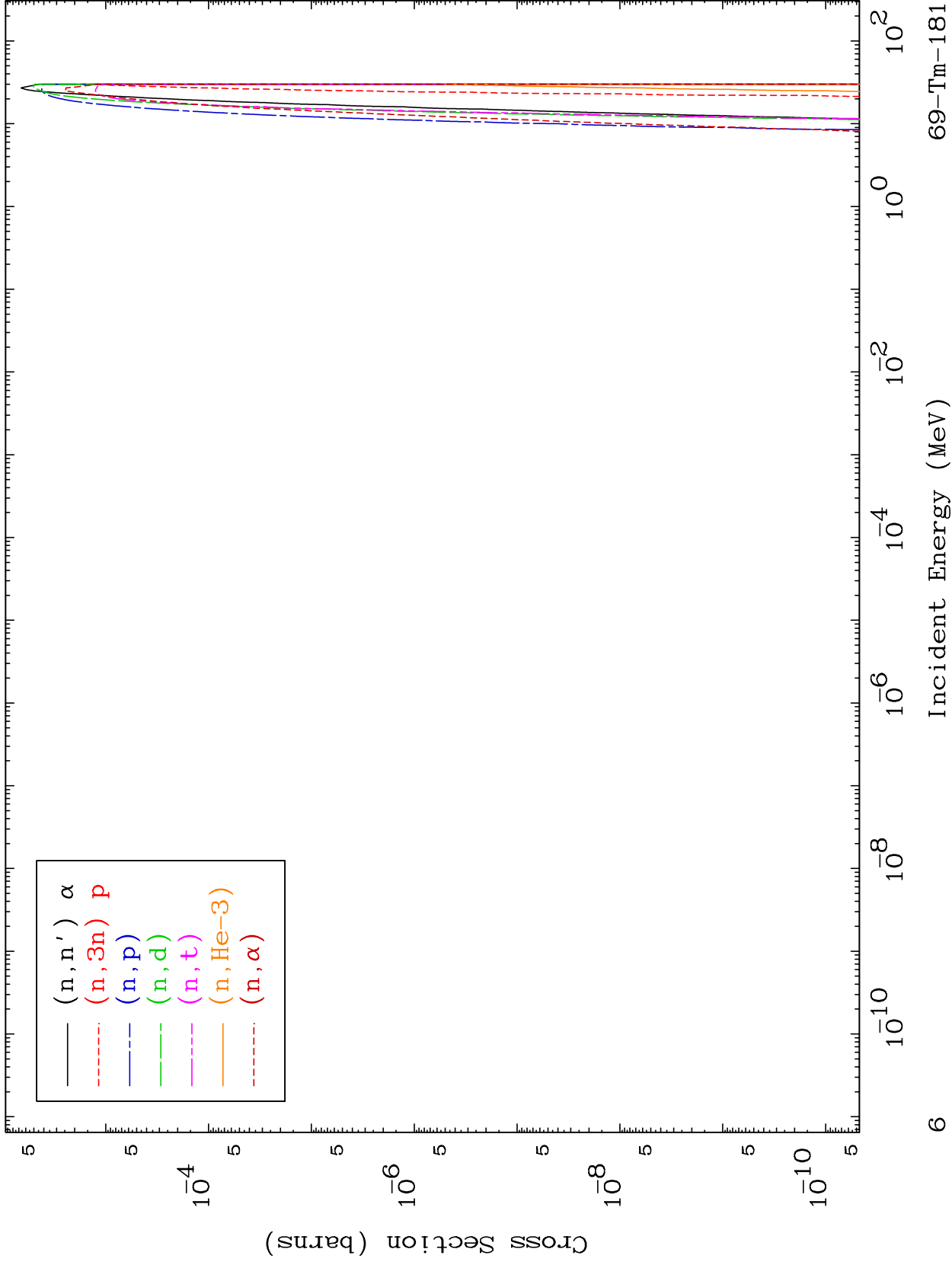




MAT 6961

Charged Particle
293 Kelvin Cross Sections

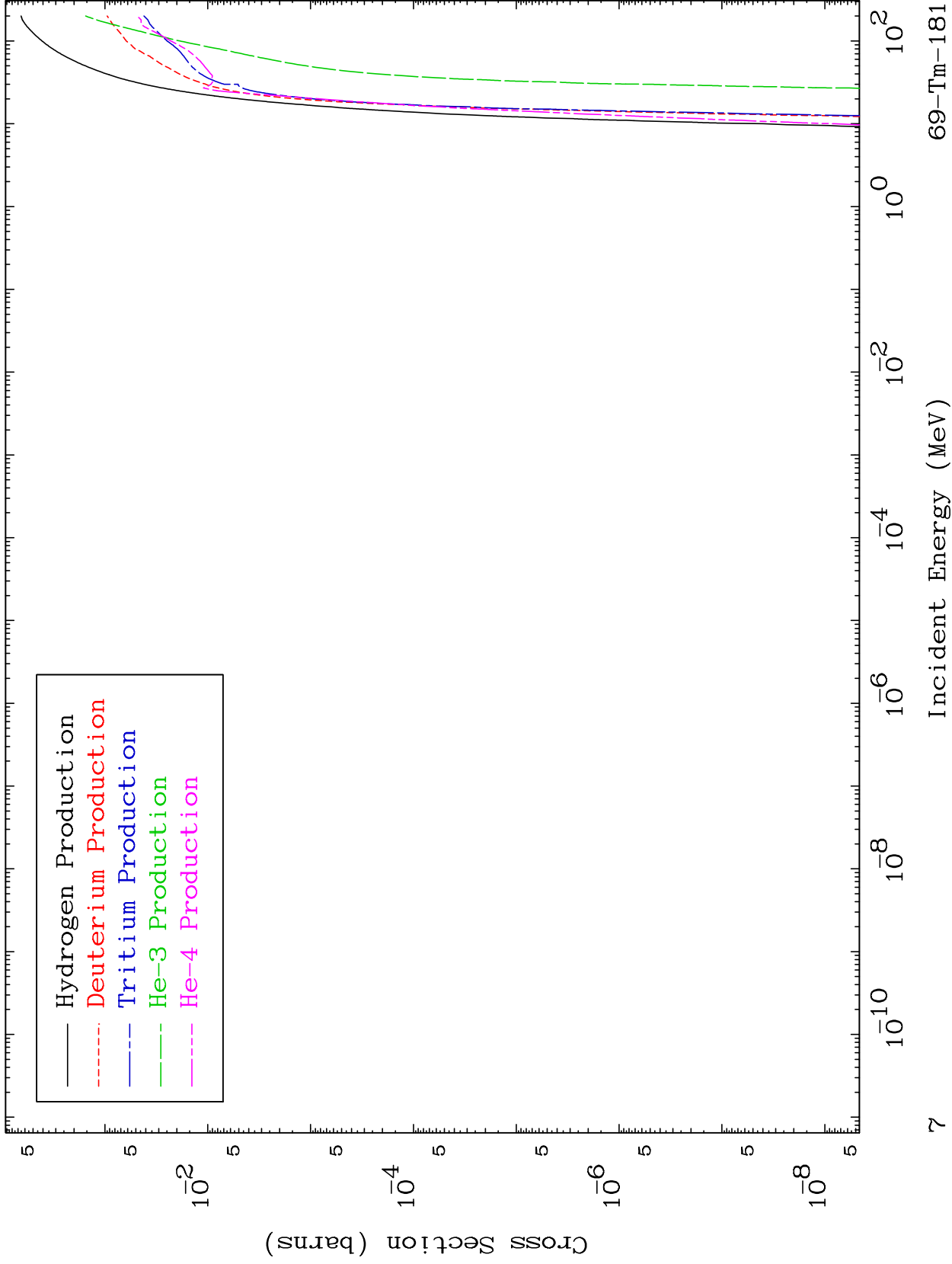
69-Tm-181



MAT 6961

Particle Production
293 Kelvin Cross Sections

69-Tm-181

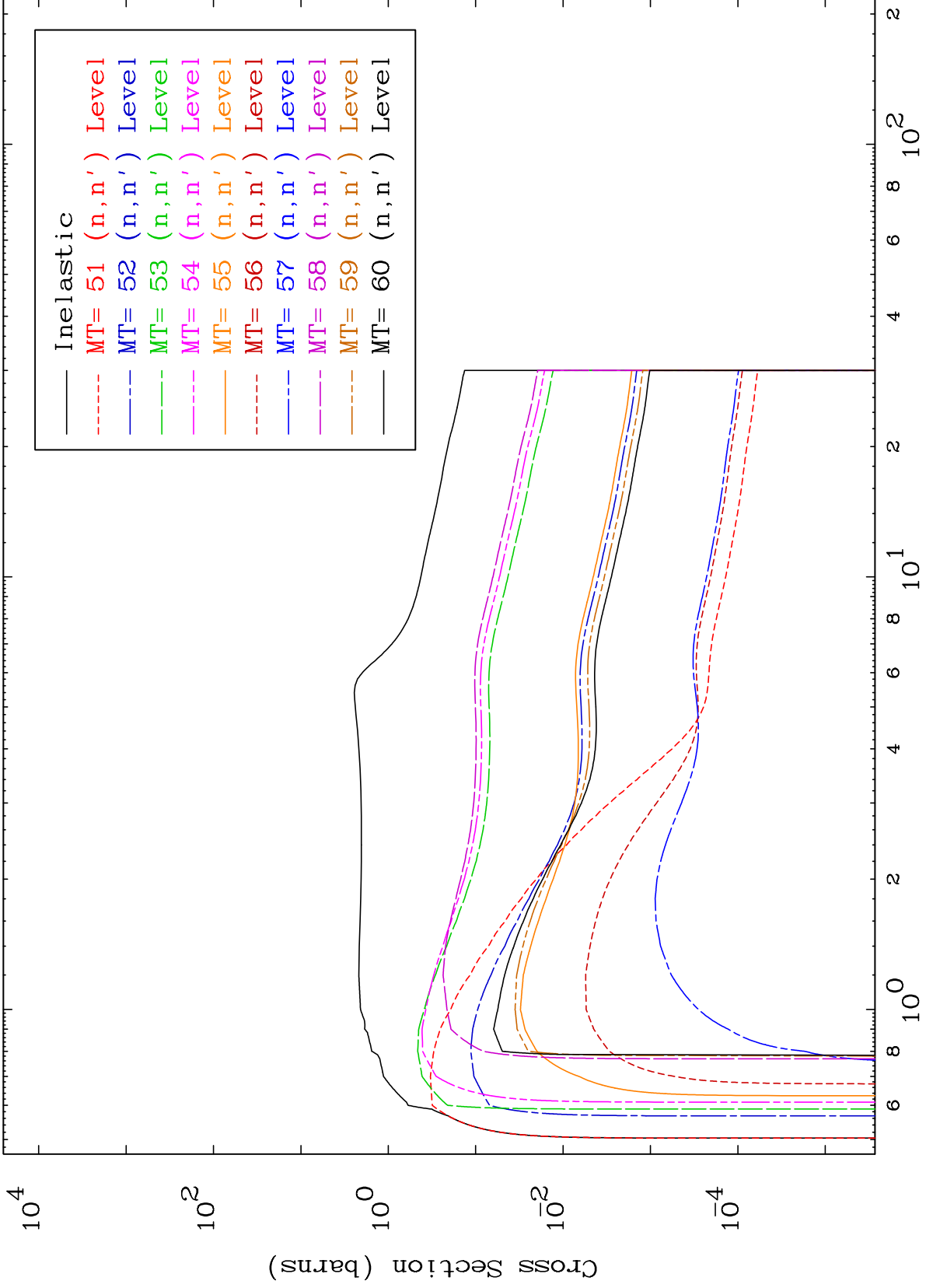


MAT 6961

(n,n') Levels

69-Tm-181

293 Kelvin Cross Sections



8

Incident Energy (MeV)

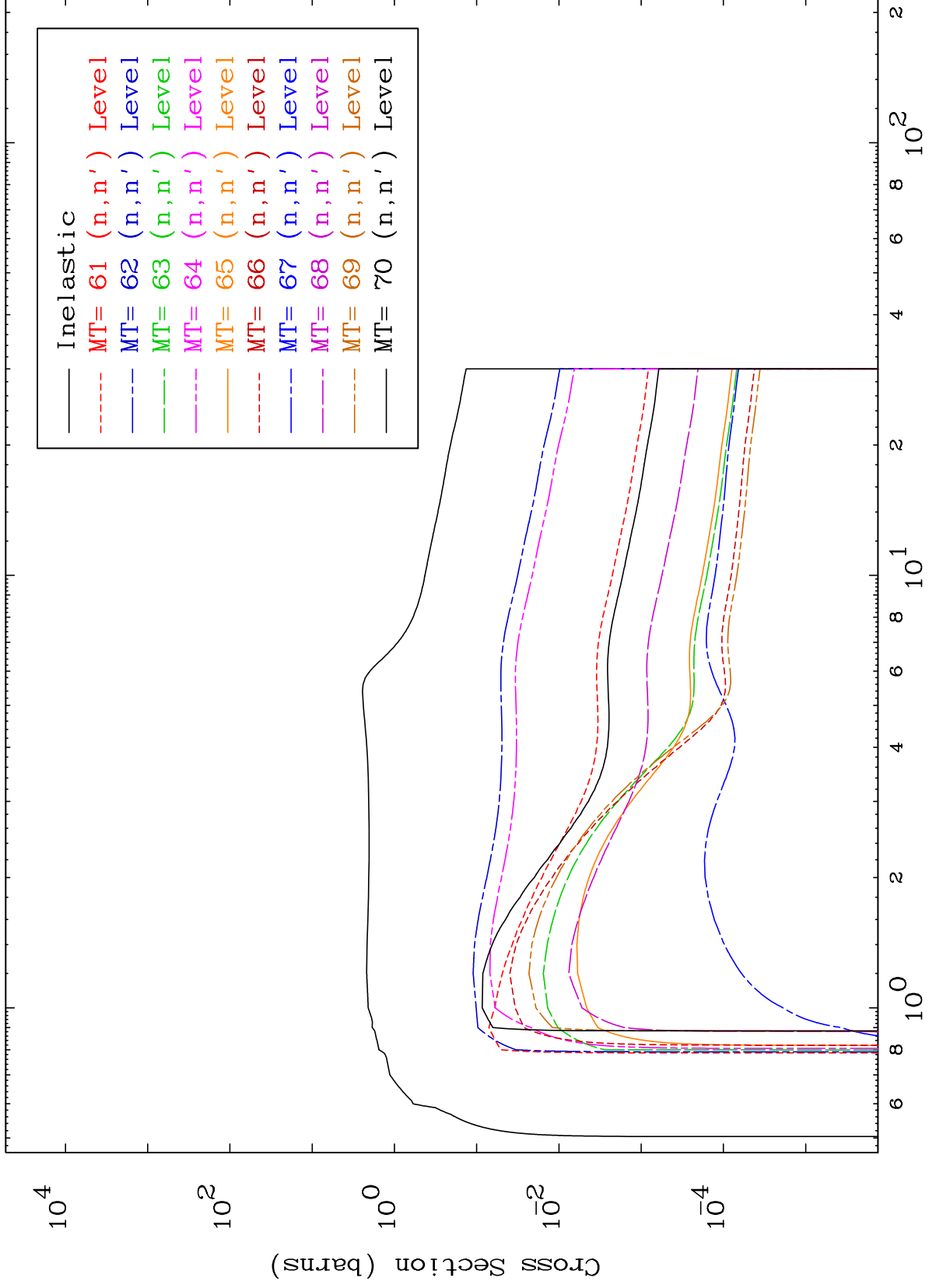
69-Tm-181

MAT 6961

(n,n') Levels

69-Tm-181

293 Kelvin Cross Sections



9

Incident Energy (MeV)

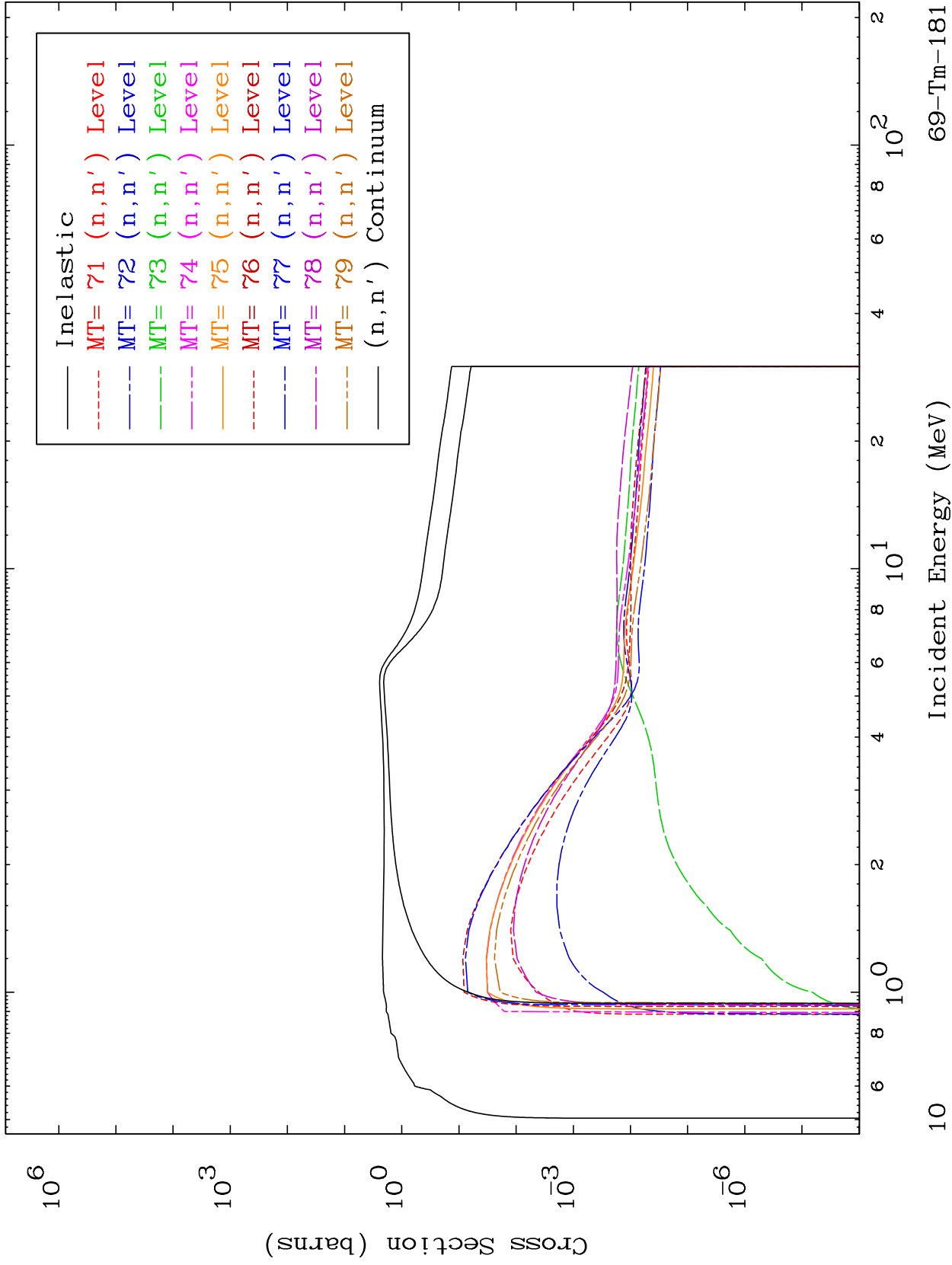
69-Tm-181

MAT 6961

(n,n') Levels

69-Tm-181

293 Kelvin Cross Sections



10

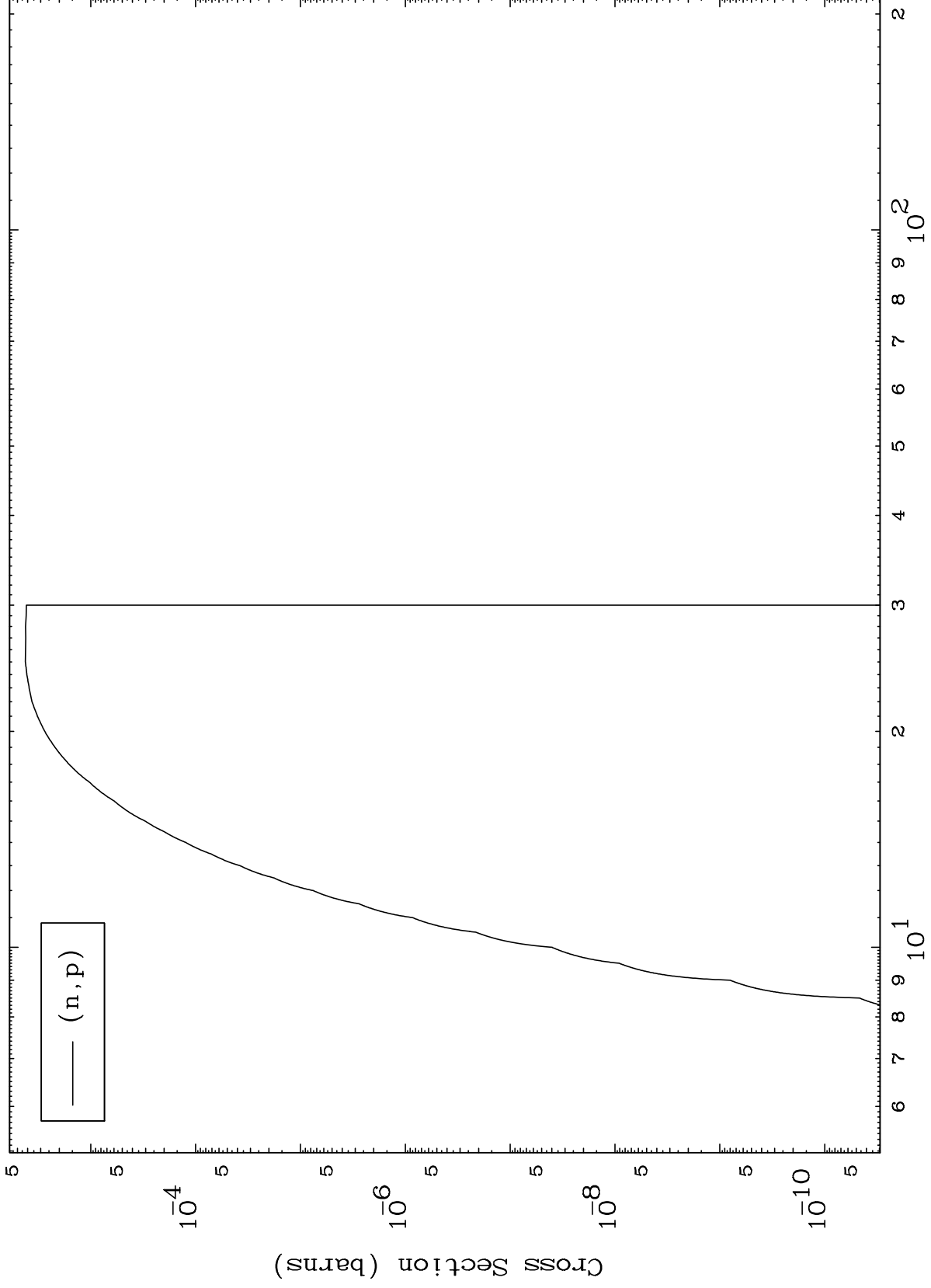
Incident Energy (MeV)

69-Tm-181

MAT 6961

(n,p) Levels
293 Kelvin Cross Sections

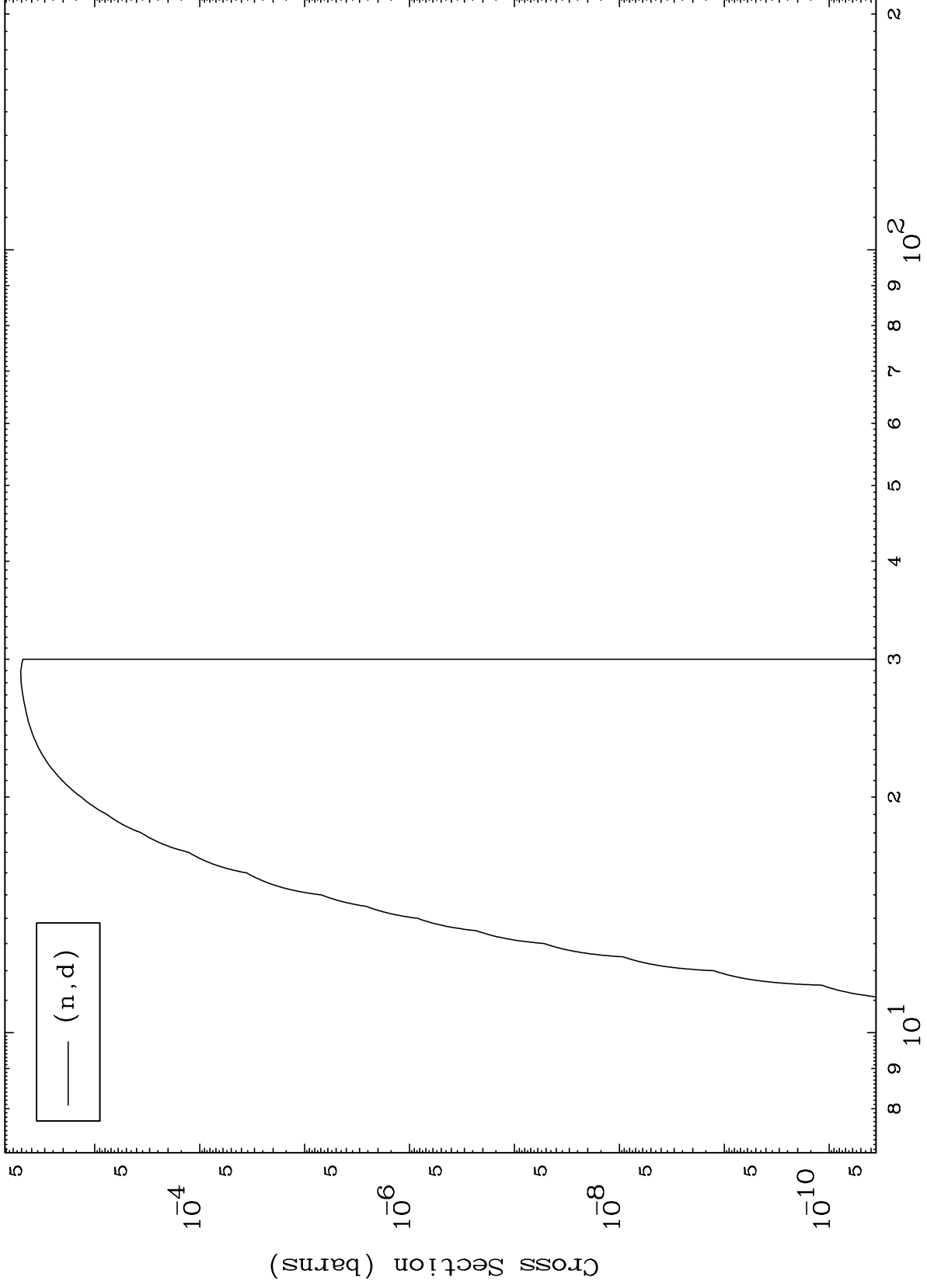
69-Tm-181



MAT 6961

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-181



12

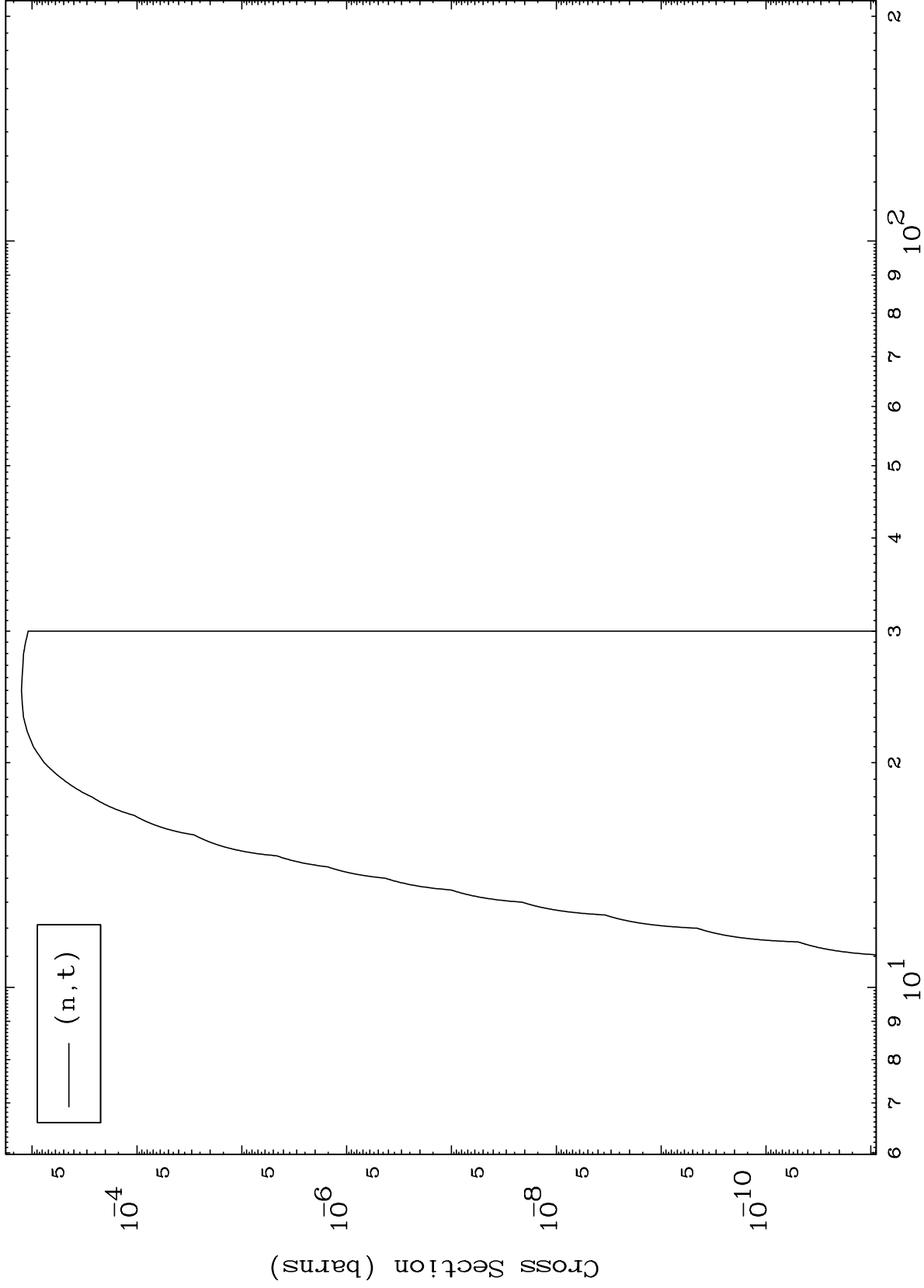
Incident Energy (MeV)

69-Tm-181

MAT 6961

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-181



13

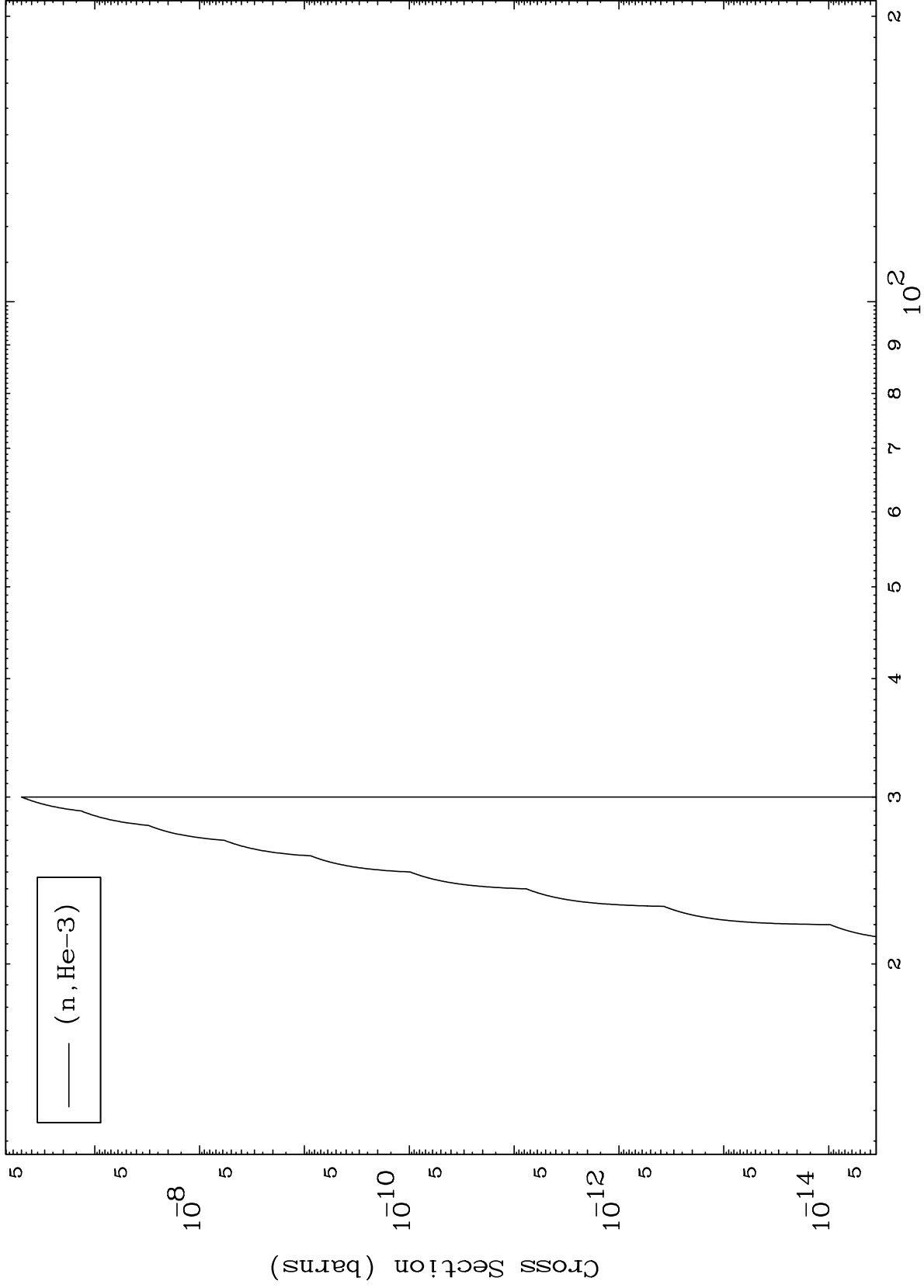
Incident Energy (MeV)

69-Tm-181

MAT 6961

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-181



14

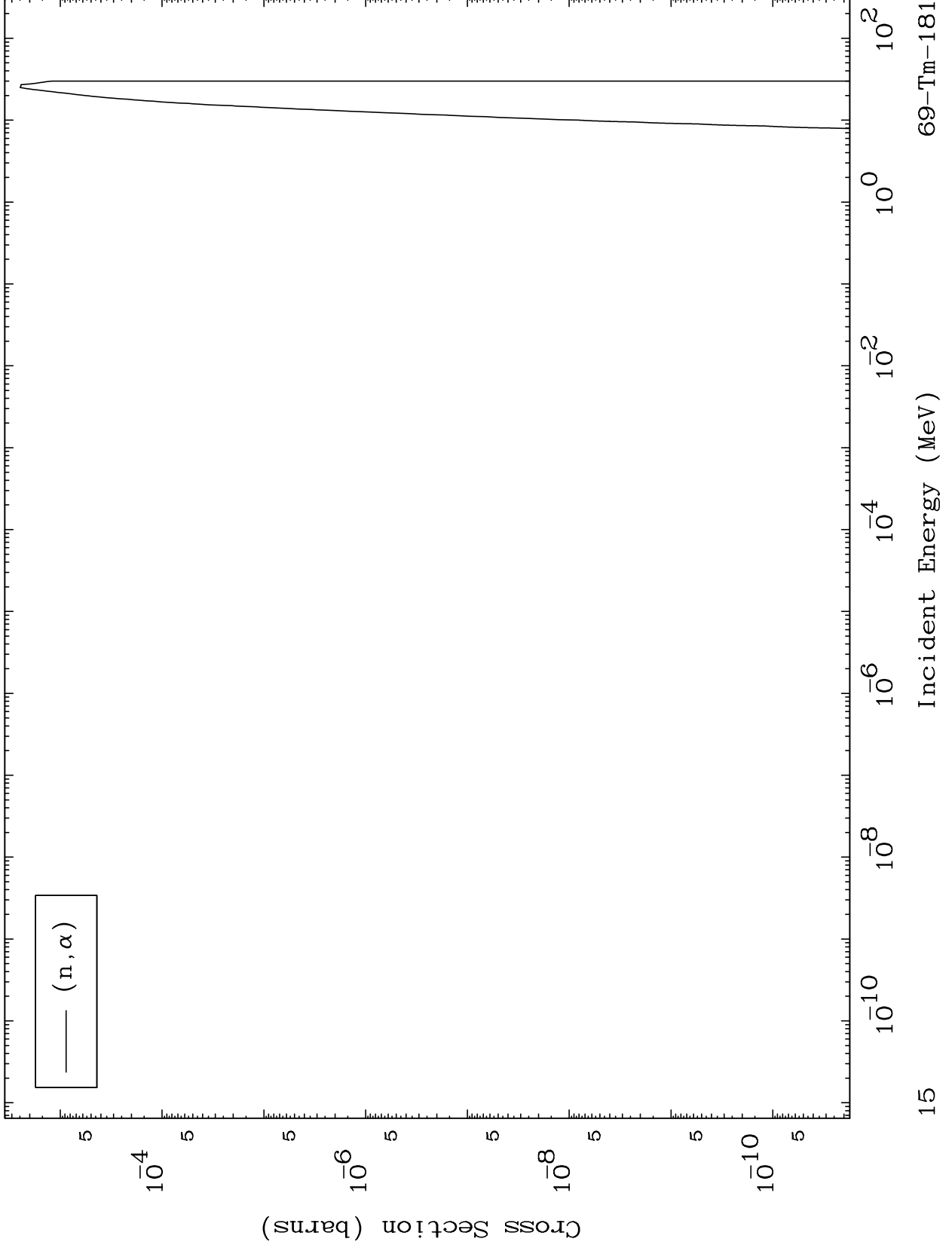
Incident Energy (MeV)

69-Tm-181

MAT 6961

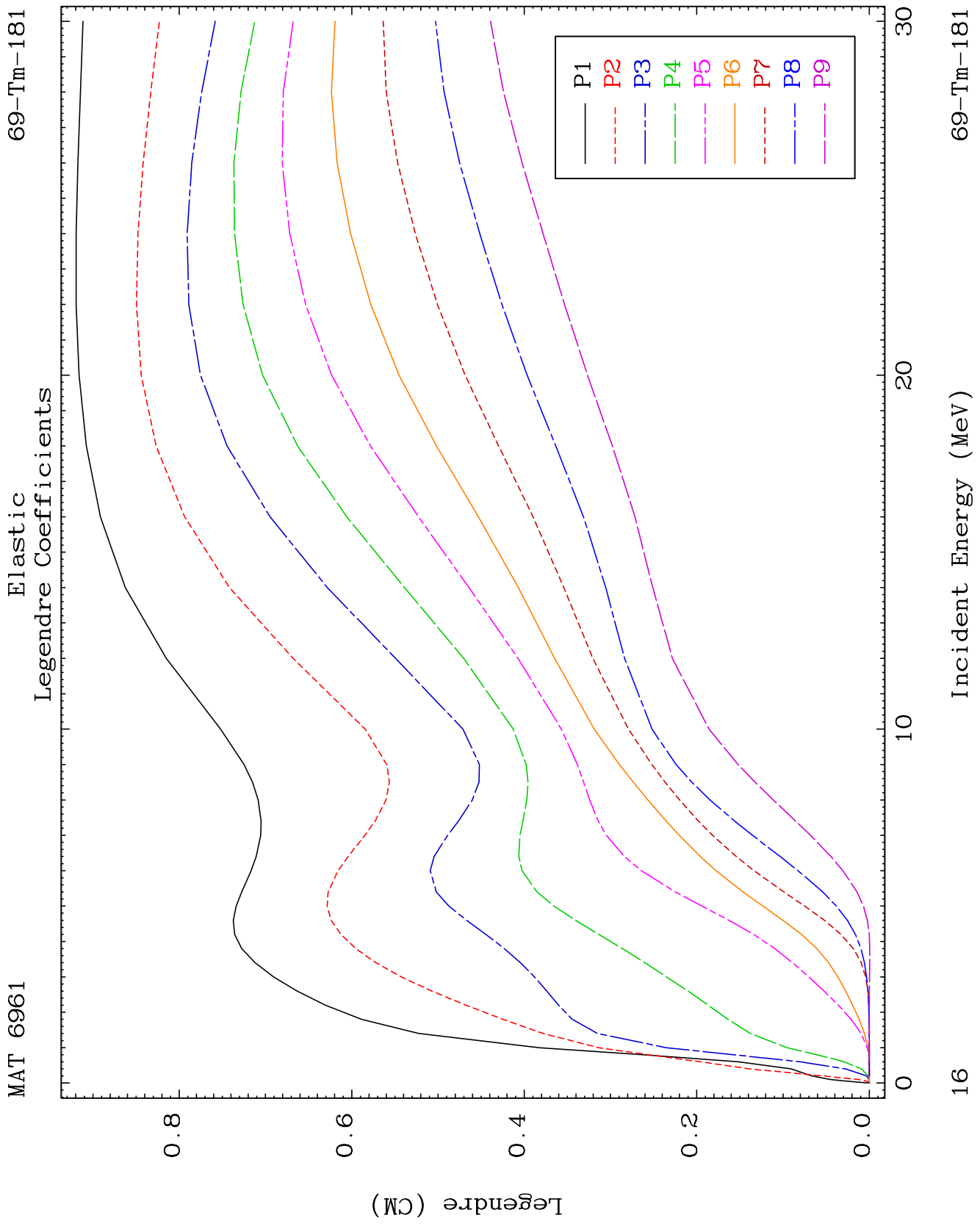
(n, α) Levels
293 Kelvin Cross Sections

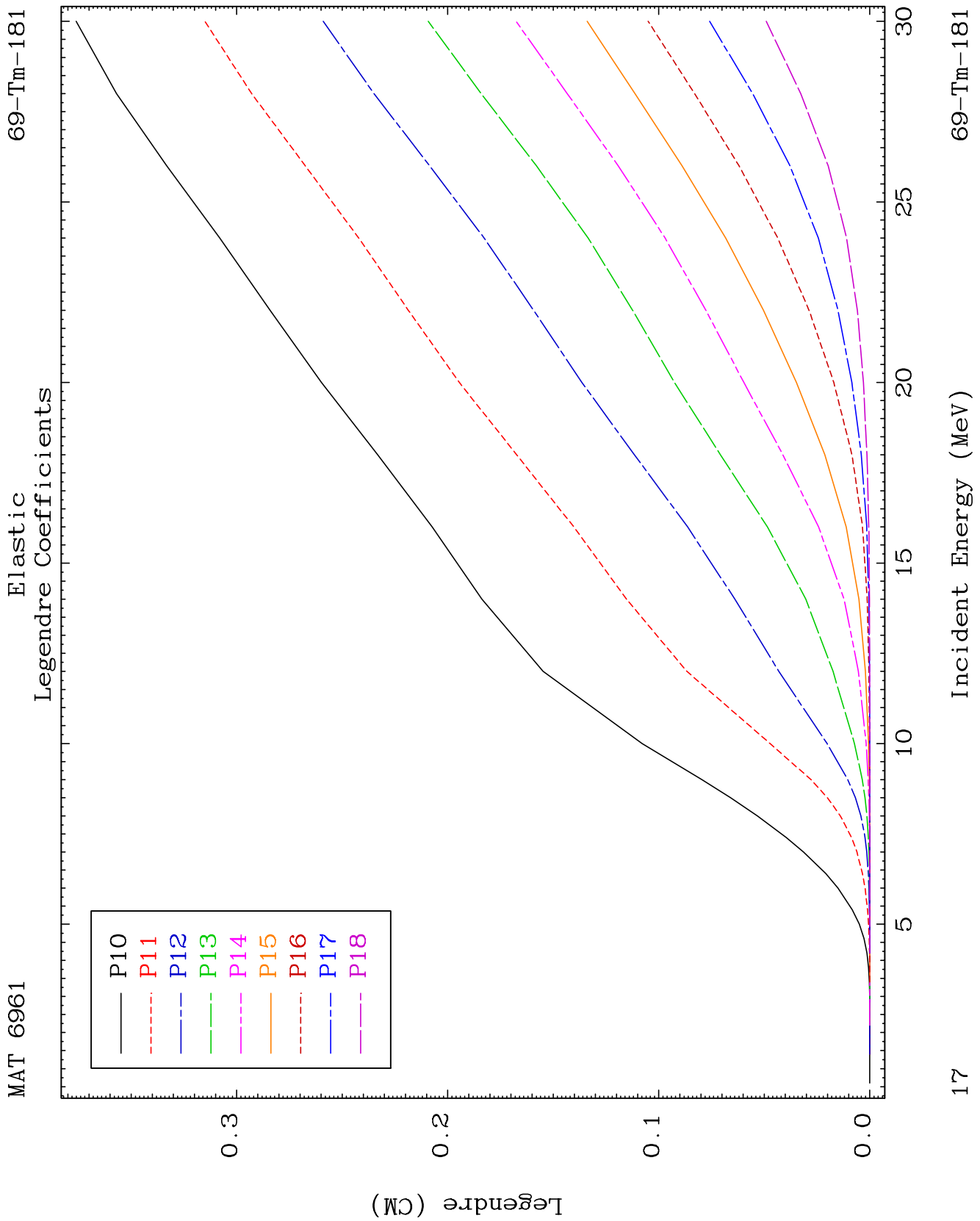
69-Tm-181



15

69-Tm-181

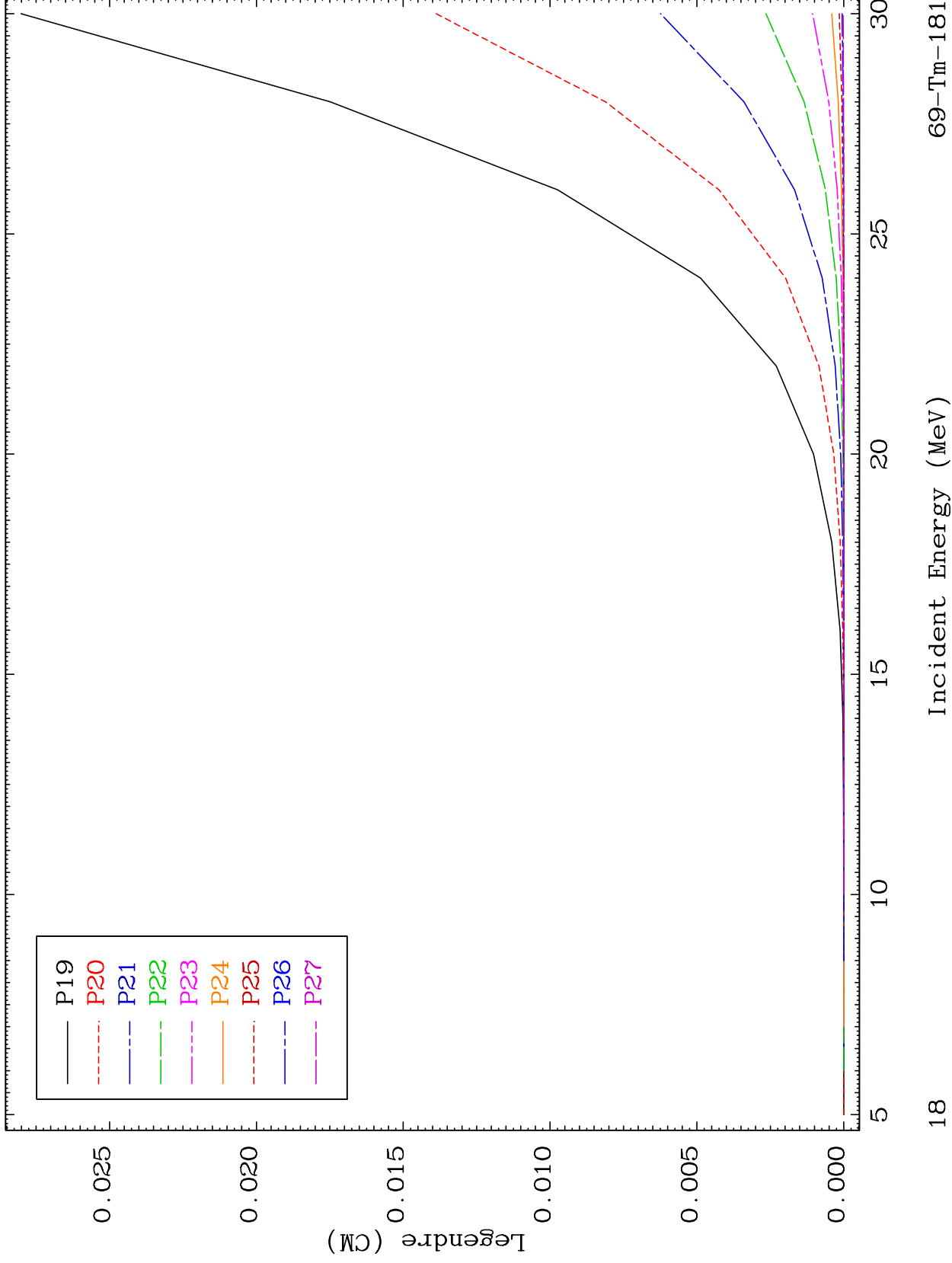




MAT 6961

Elastic
Legendre Coefficients

69-Tm-181



69-Tm-181

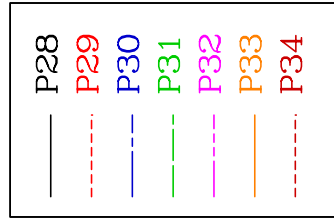
Incident Energy (MeV)

18

MAT 6961

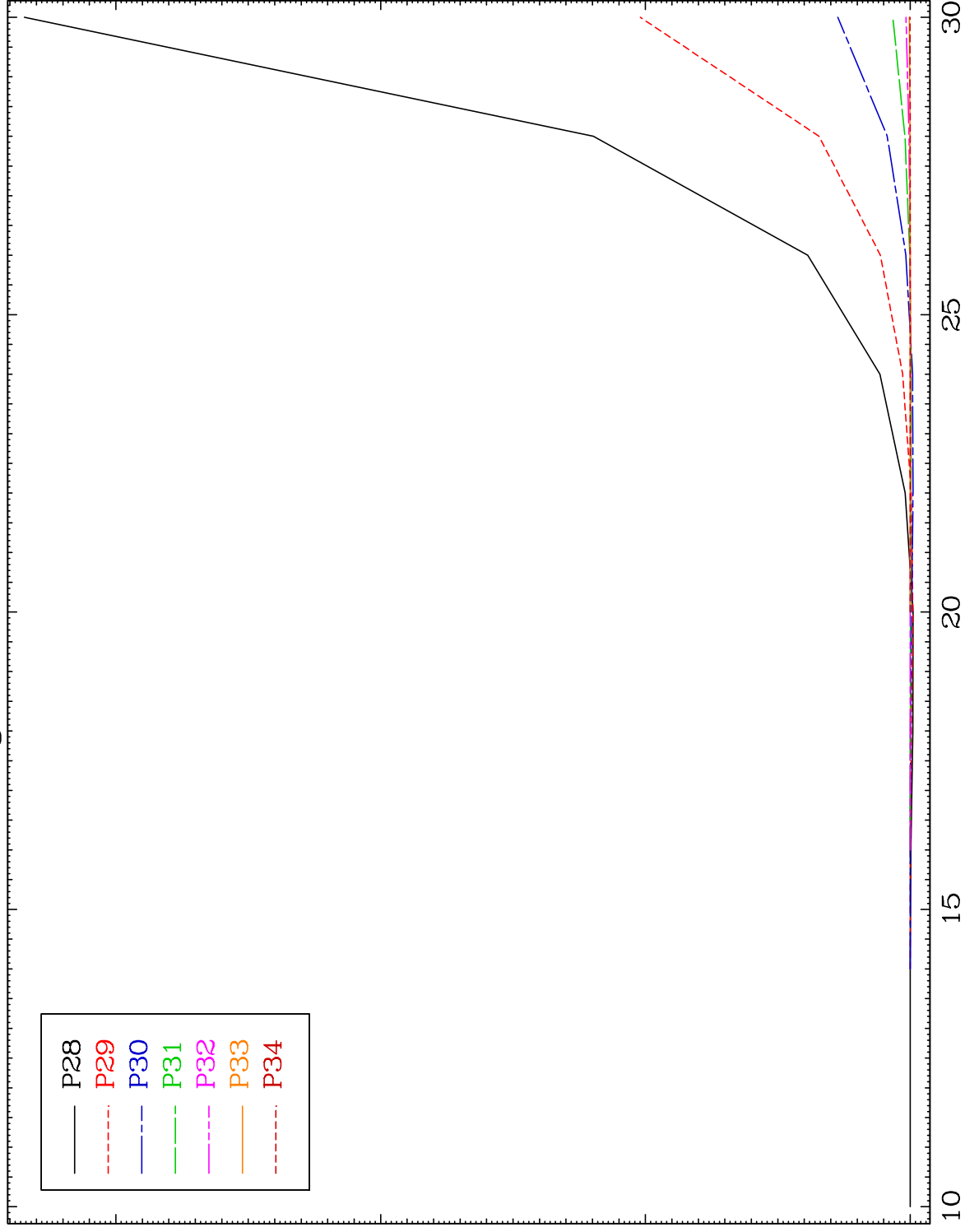
Elastic Legendre Coefficients

69-Tm-181



$\times 10^{-6}$

Legendre (CM)



10

15

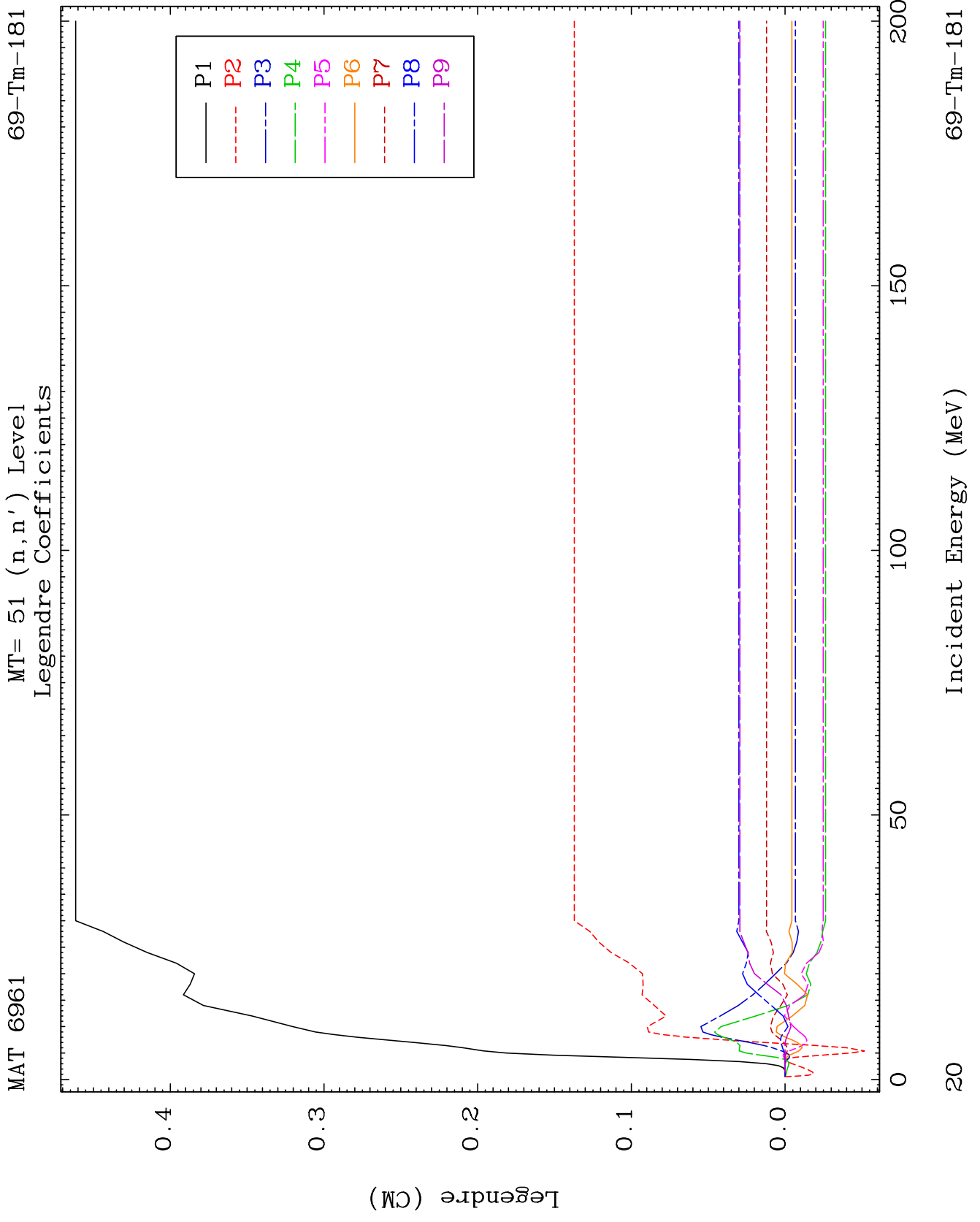
20

25

30

Incident Energy (MeV)

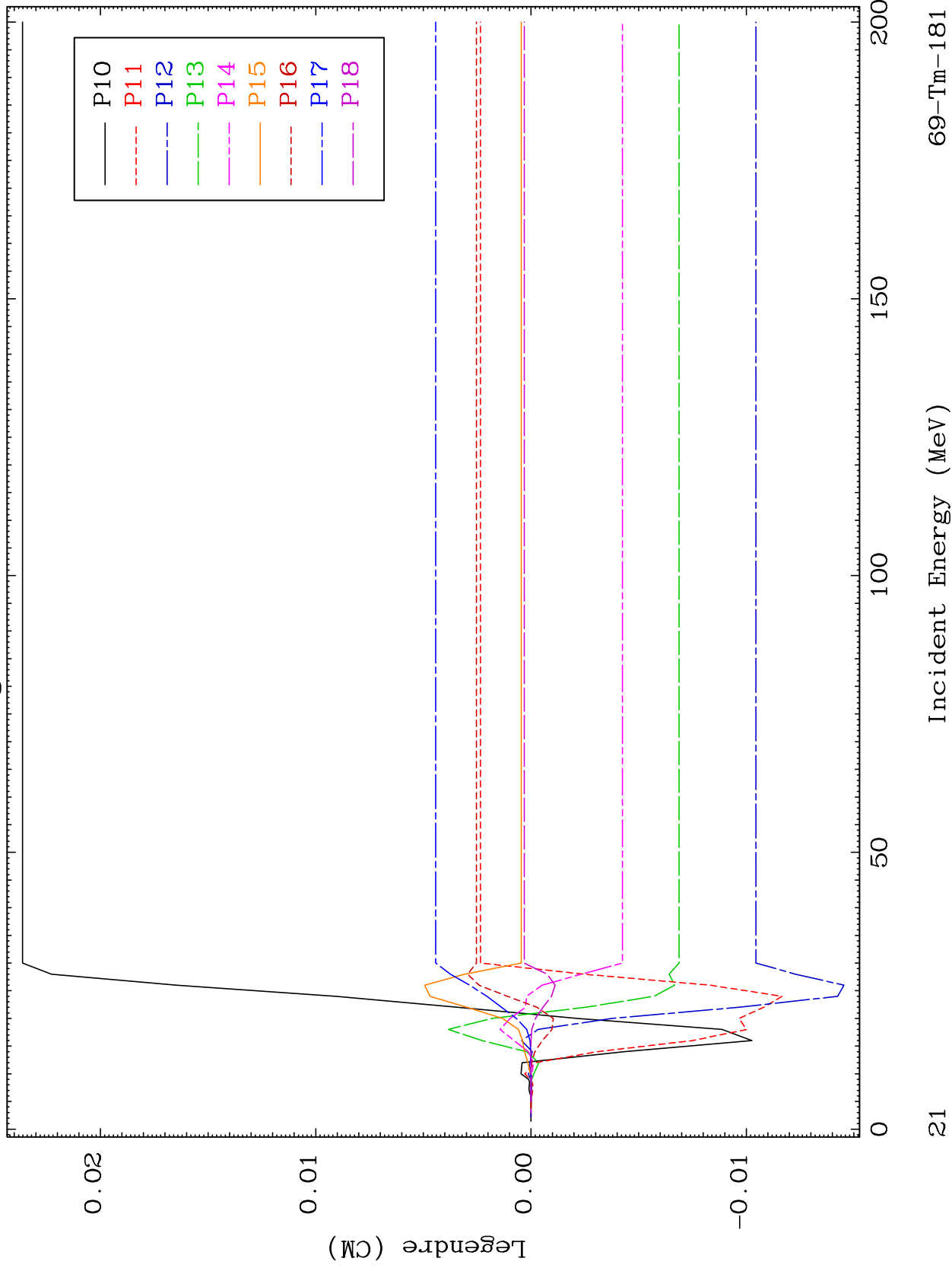
69-Tm-181



MAT 6961

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

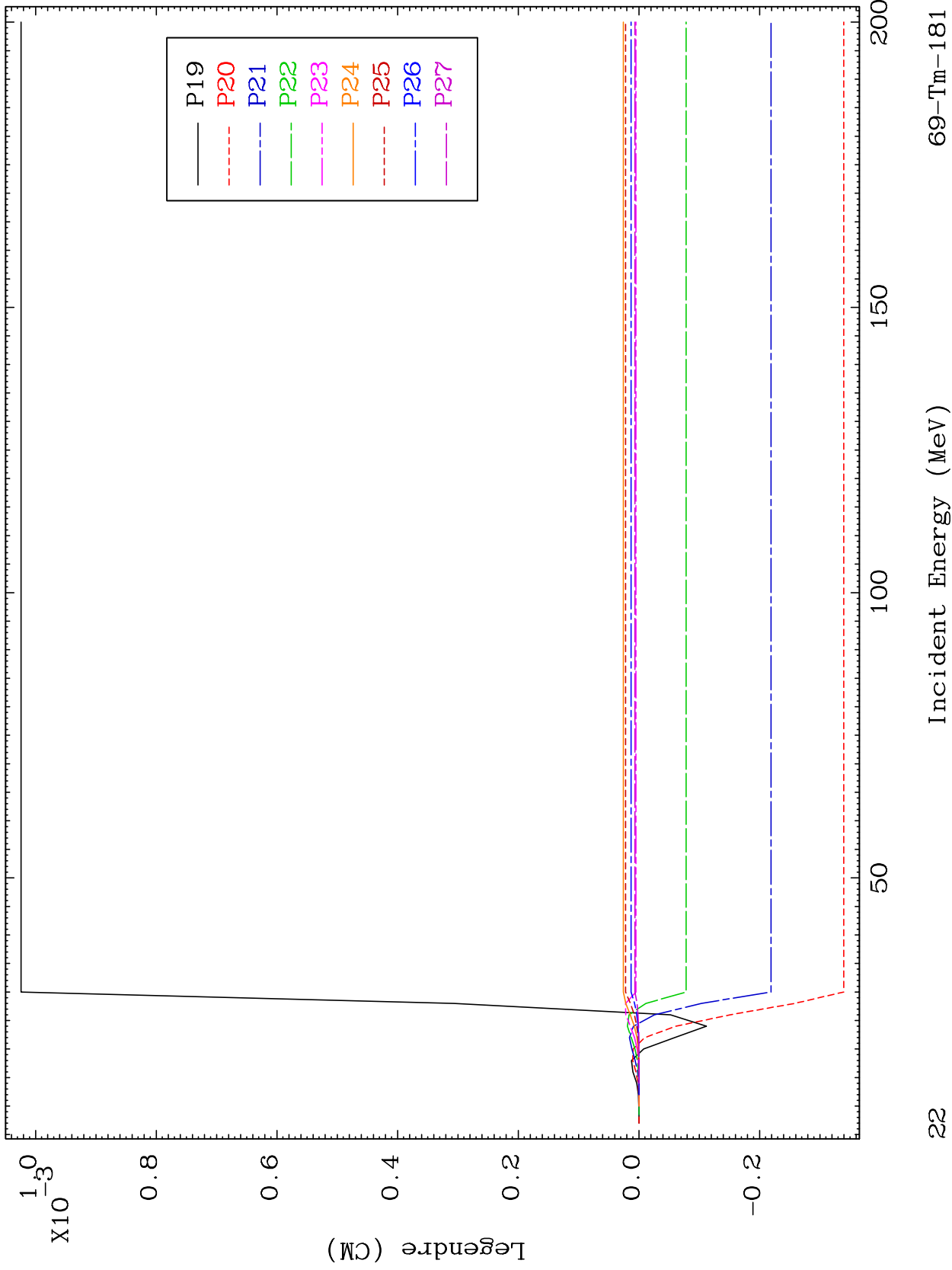
69-Tm-181



21

Incident Energy (MeV)

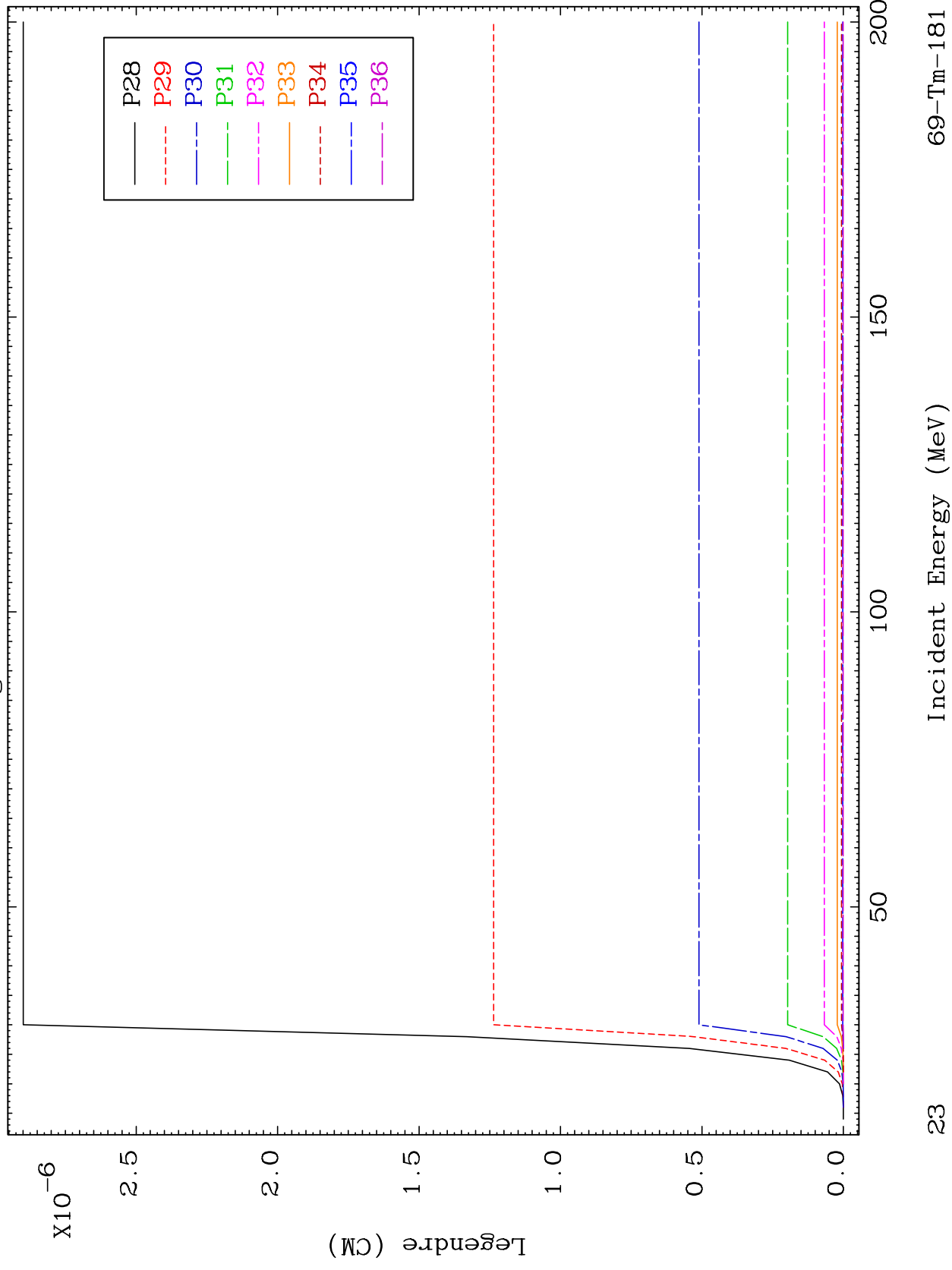
69-Tm-181



MAT 6961

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

69-Tm-181

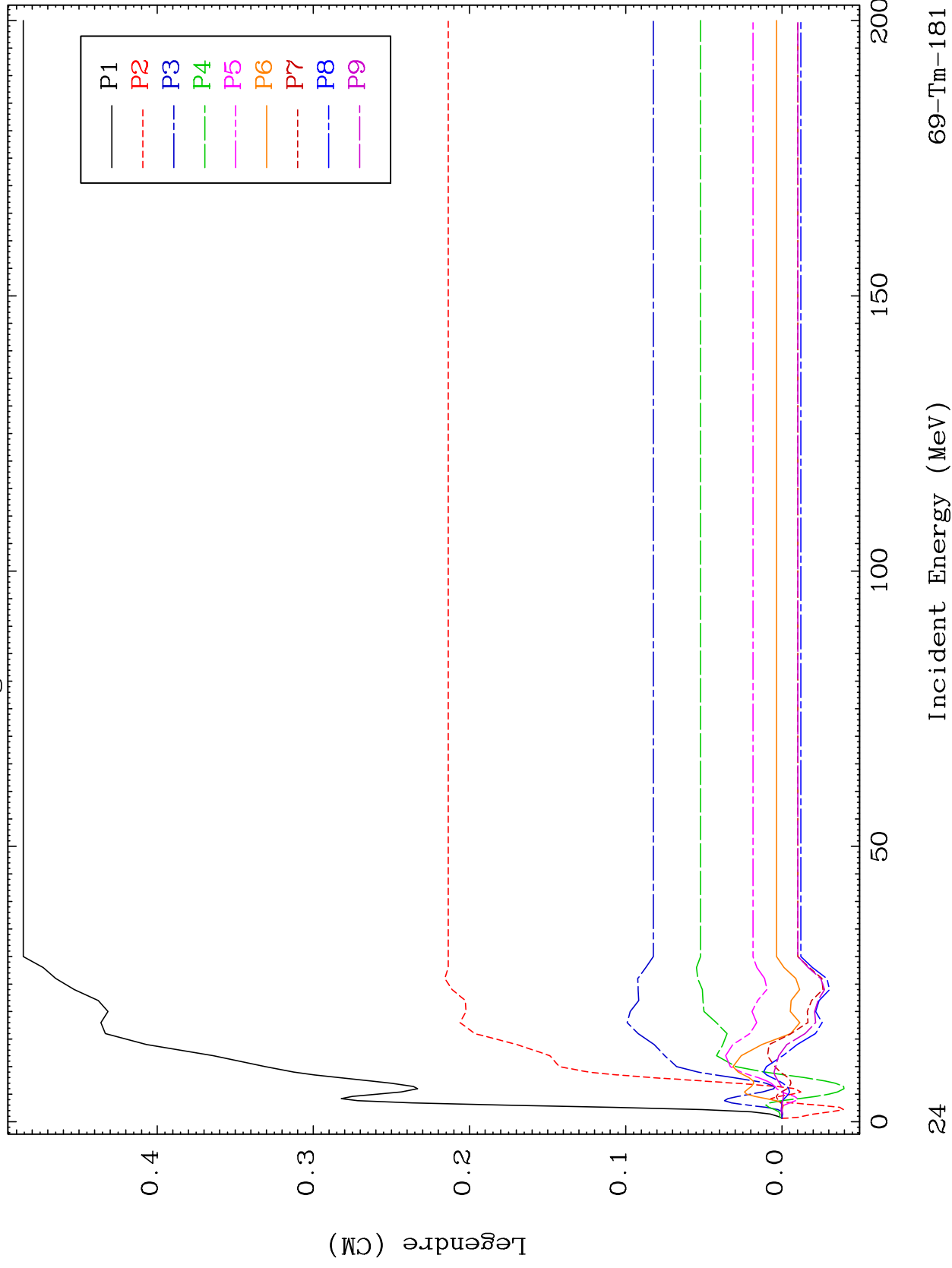


23

MAT 6961

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

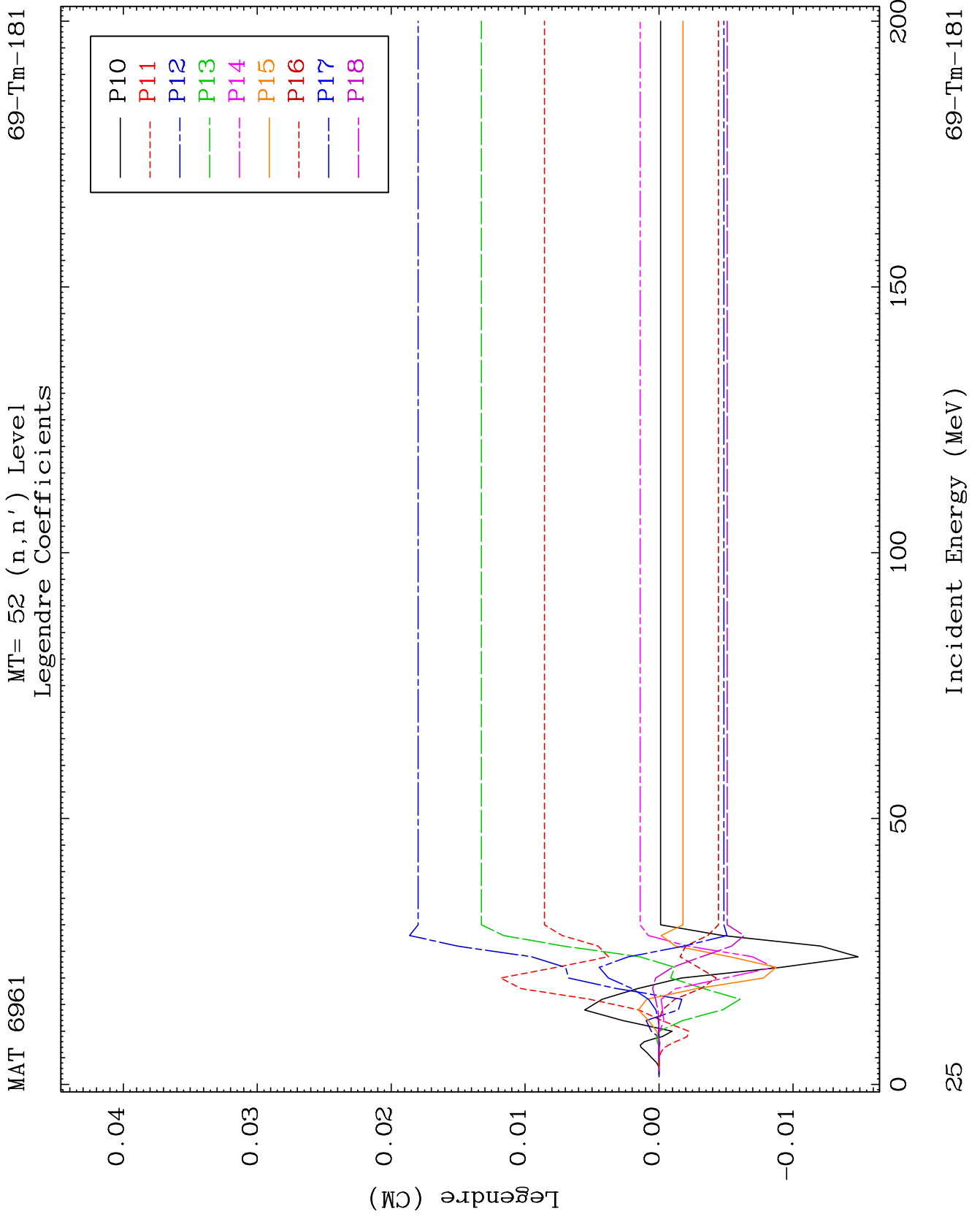
69-Tm-181



24

Incident Energy (MeV)

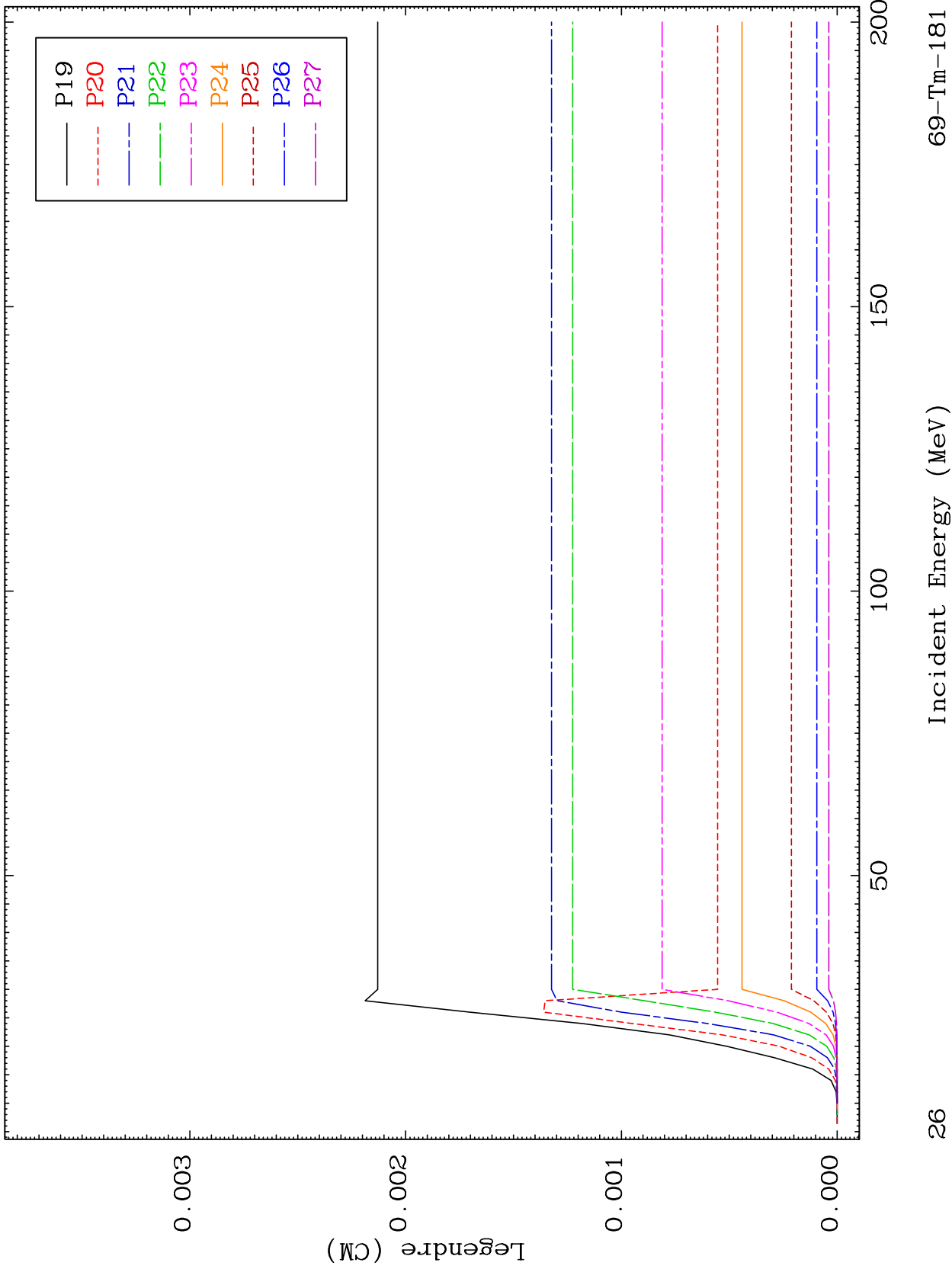
69-Tm-181



MAT 6961

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

69-Tm-181



26

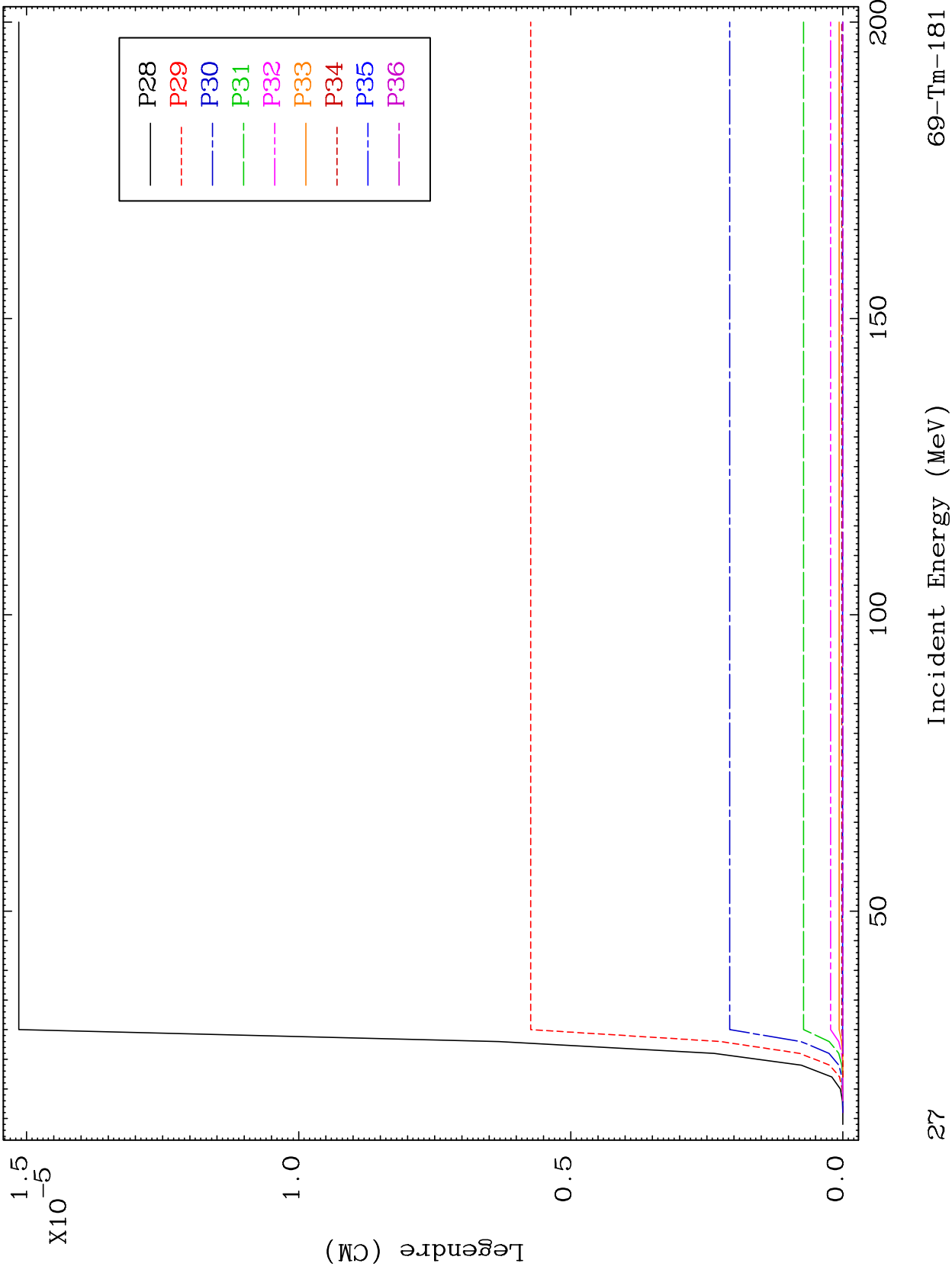
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

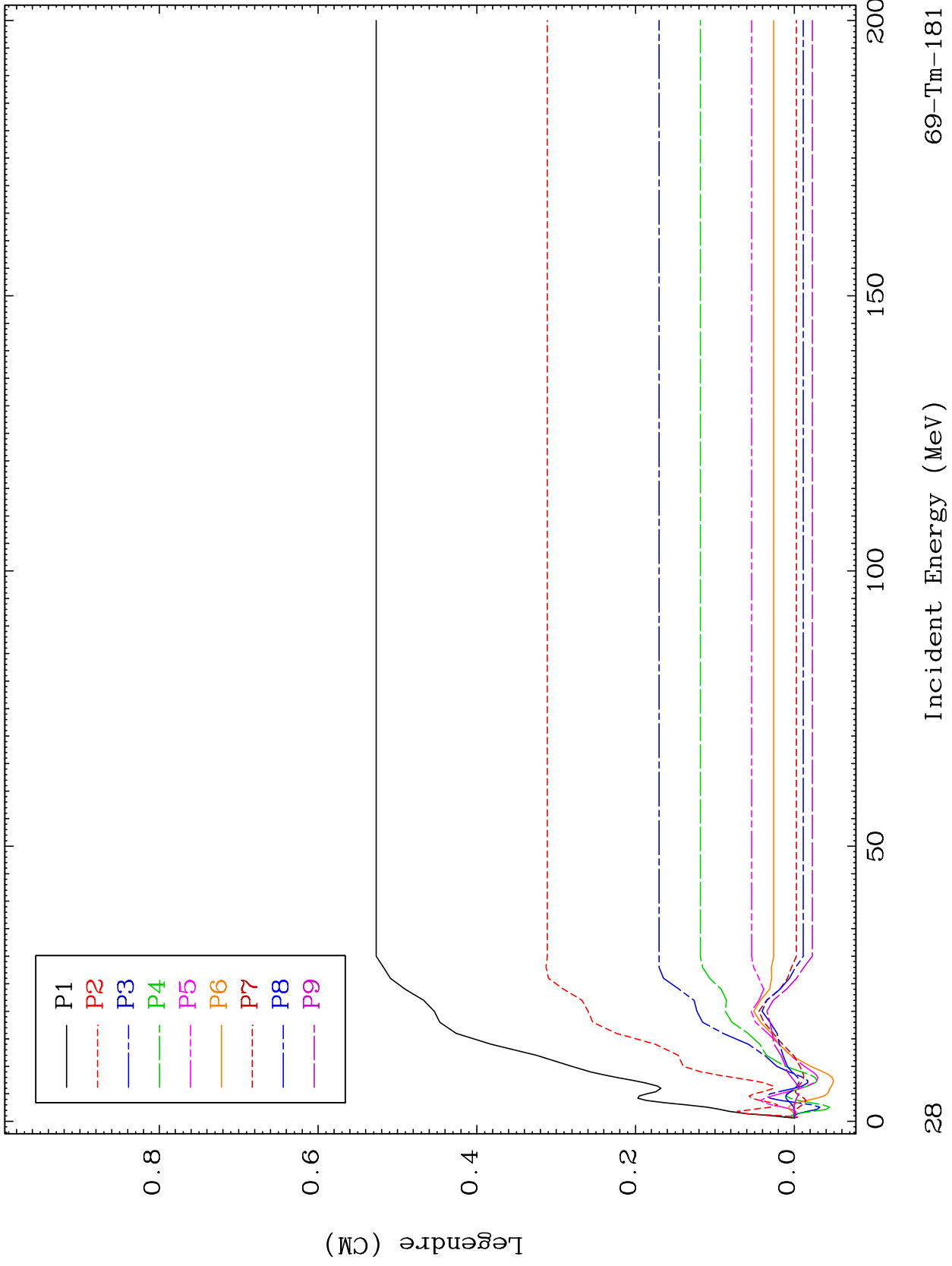
69-Tm-181



MAT 6961

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

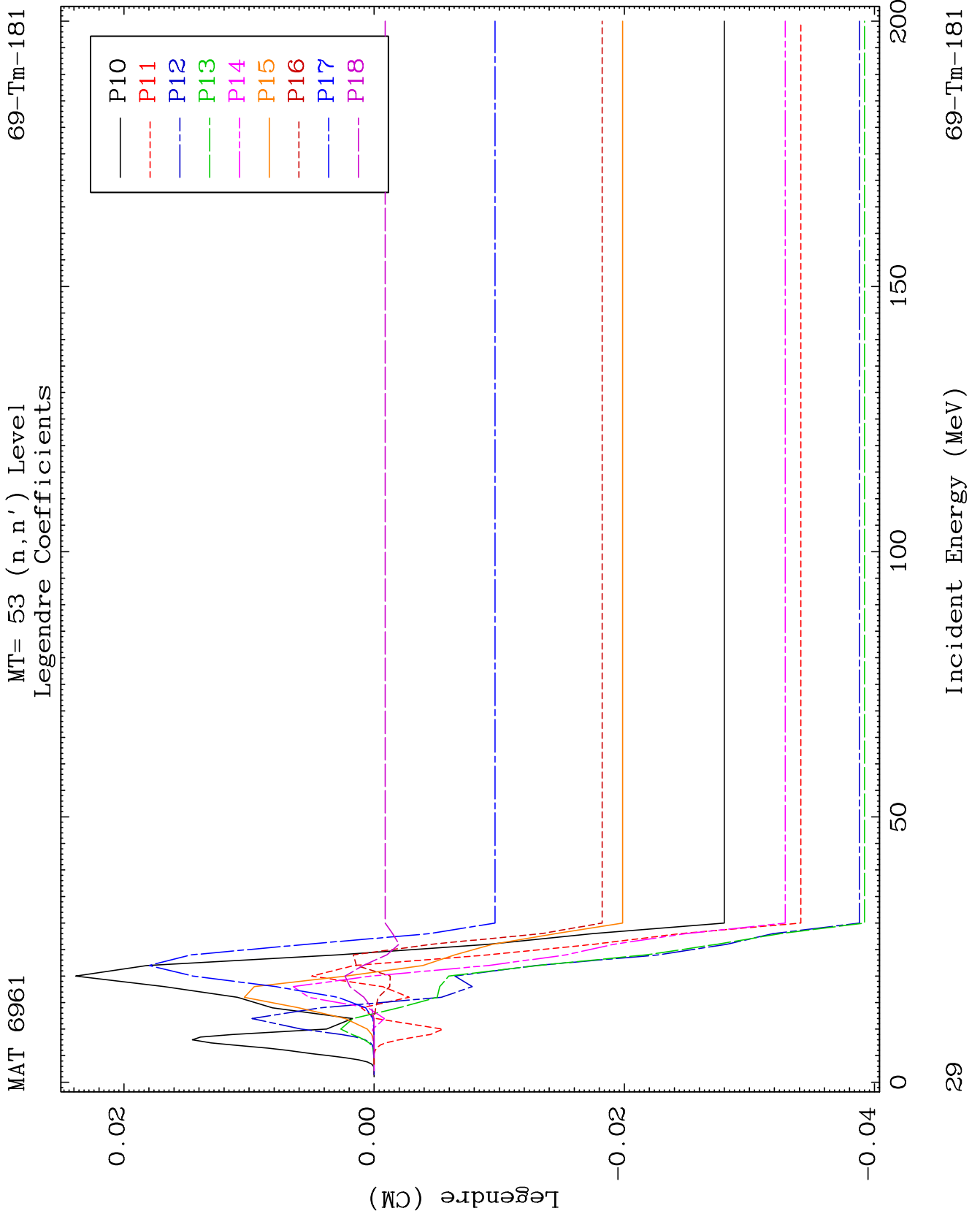
69-Tm-181



28

Incident Energy (MeV)

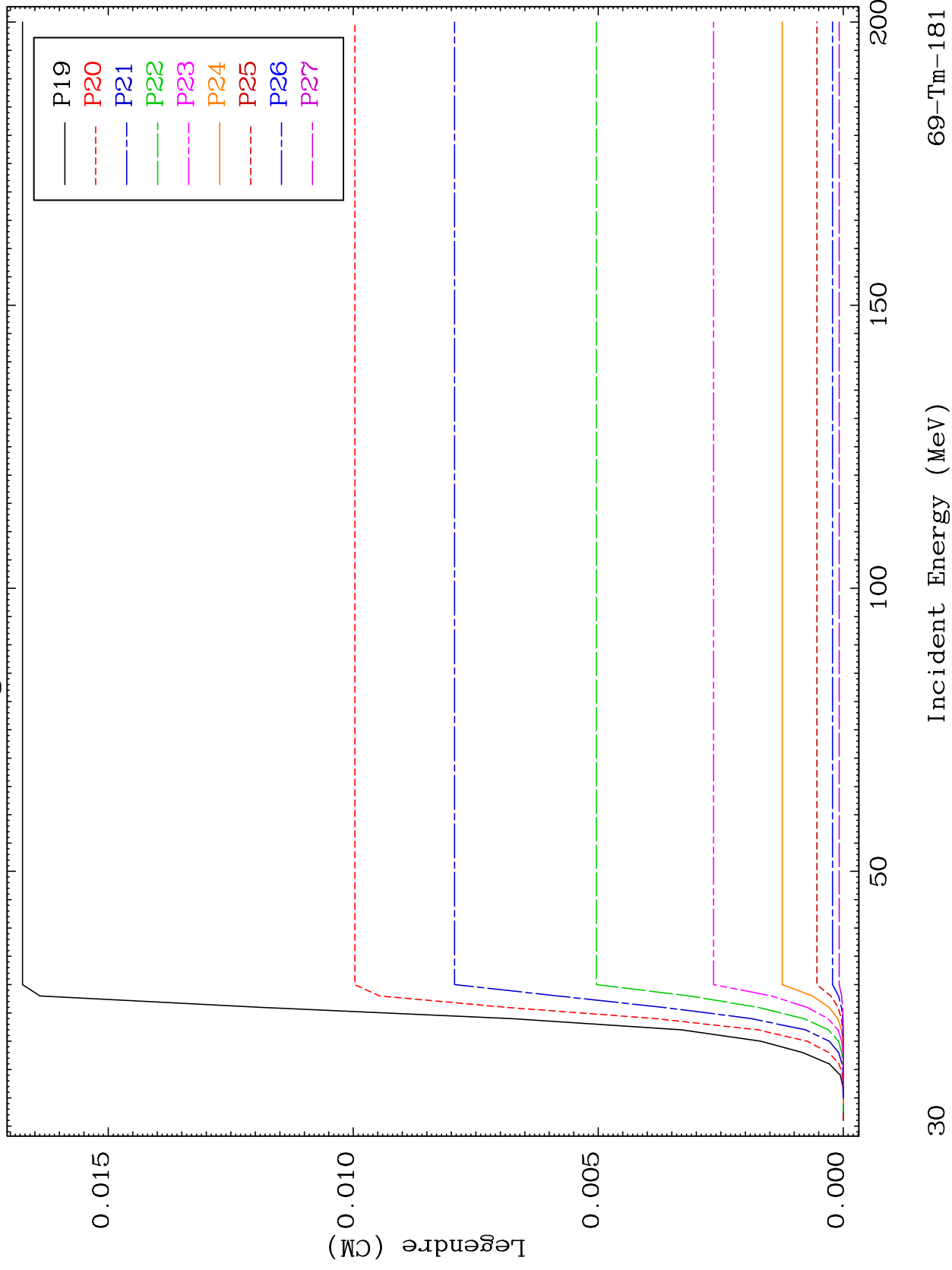
69-Tm-181



MAT 6961

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

69-Tm-181



30

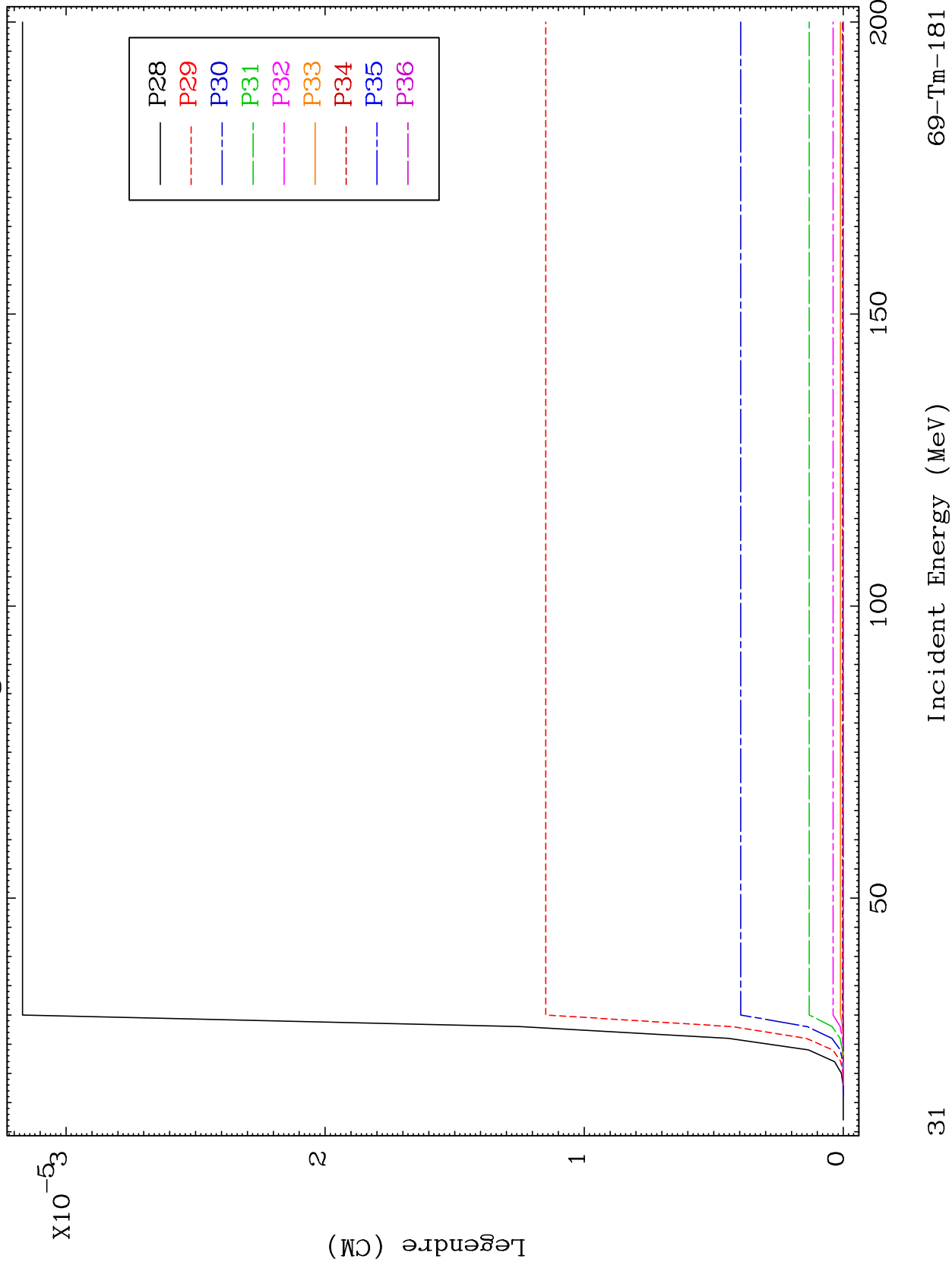
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

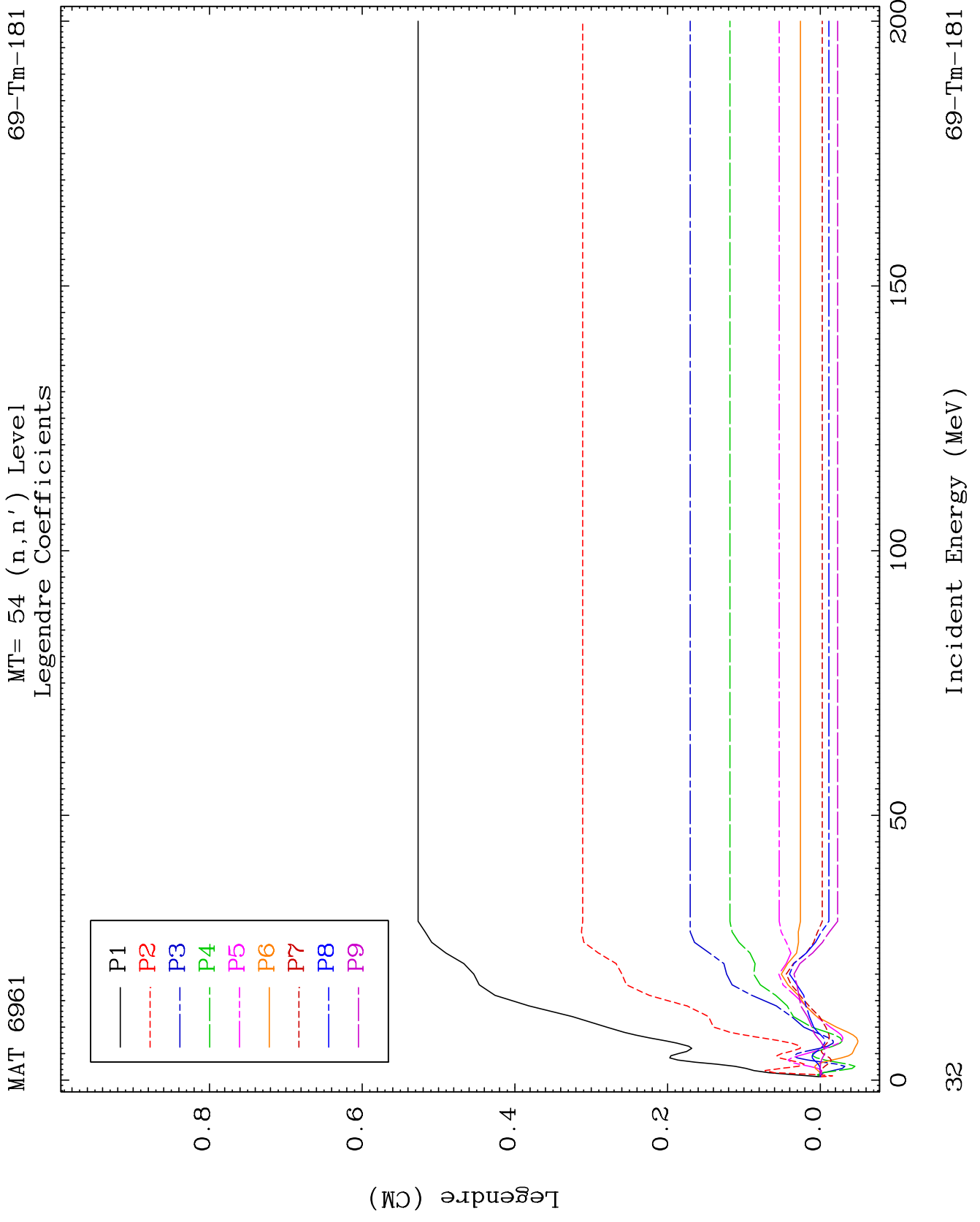
69-Tm-181



31

Incident Energy (MeV)

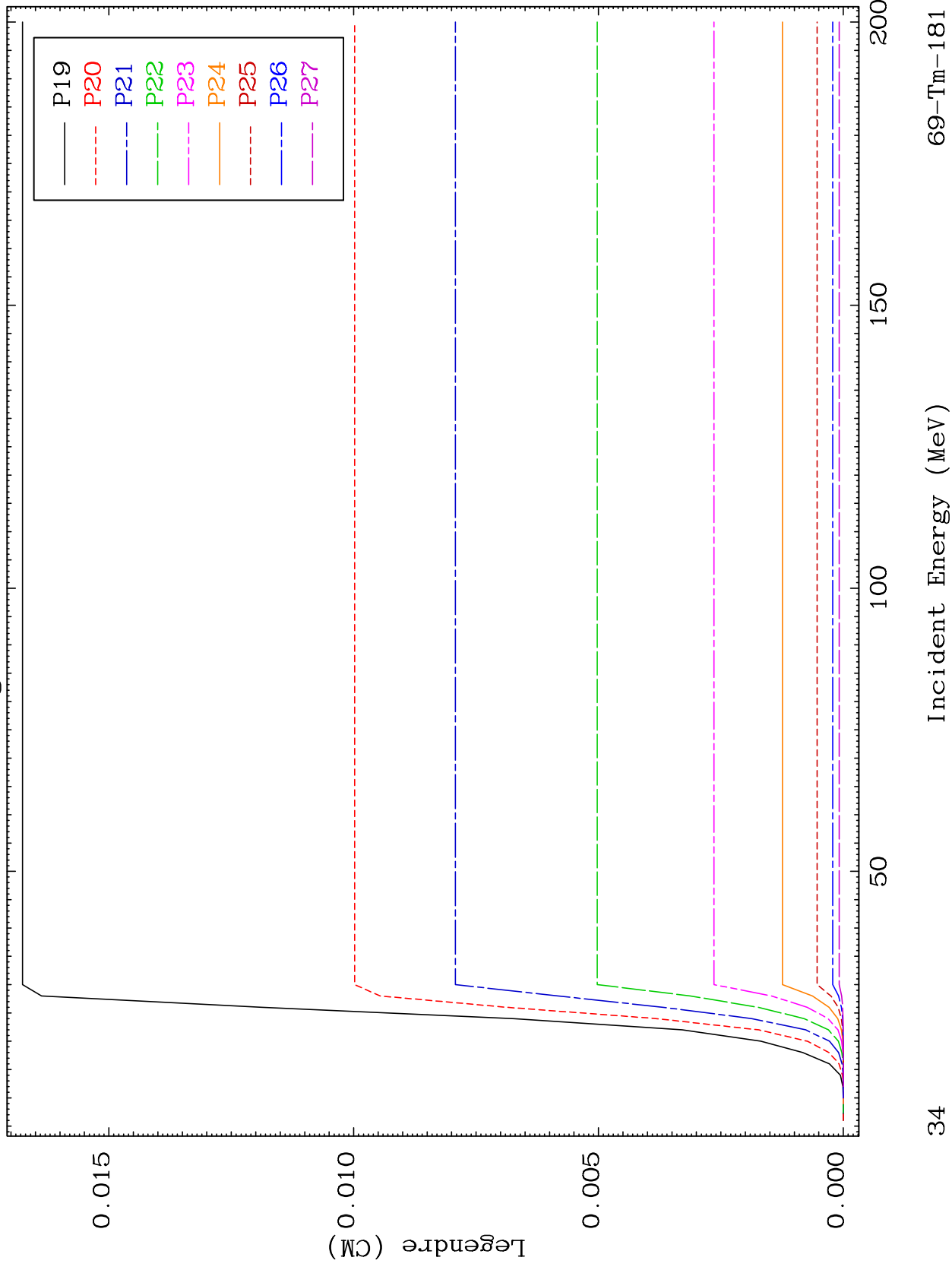
69-Tm-181



MAT 6961

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

69-Tm-181



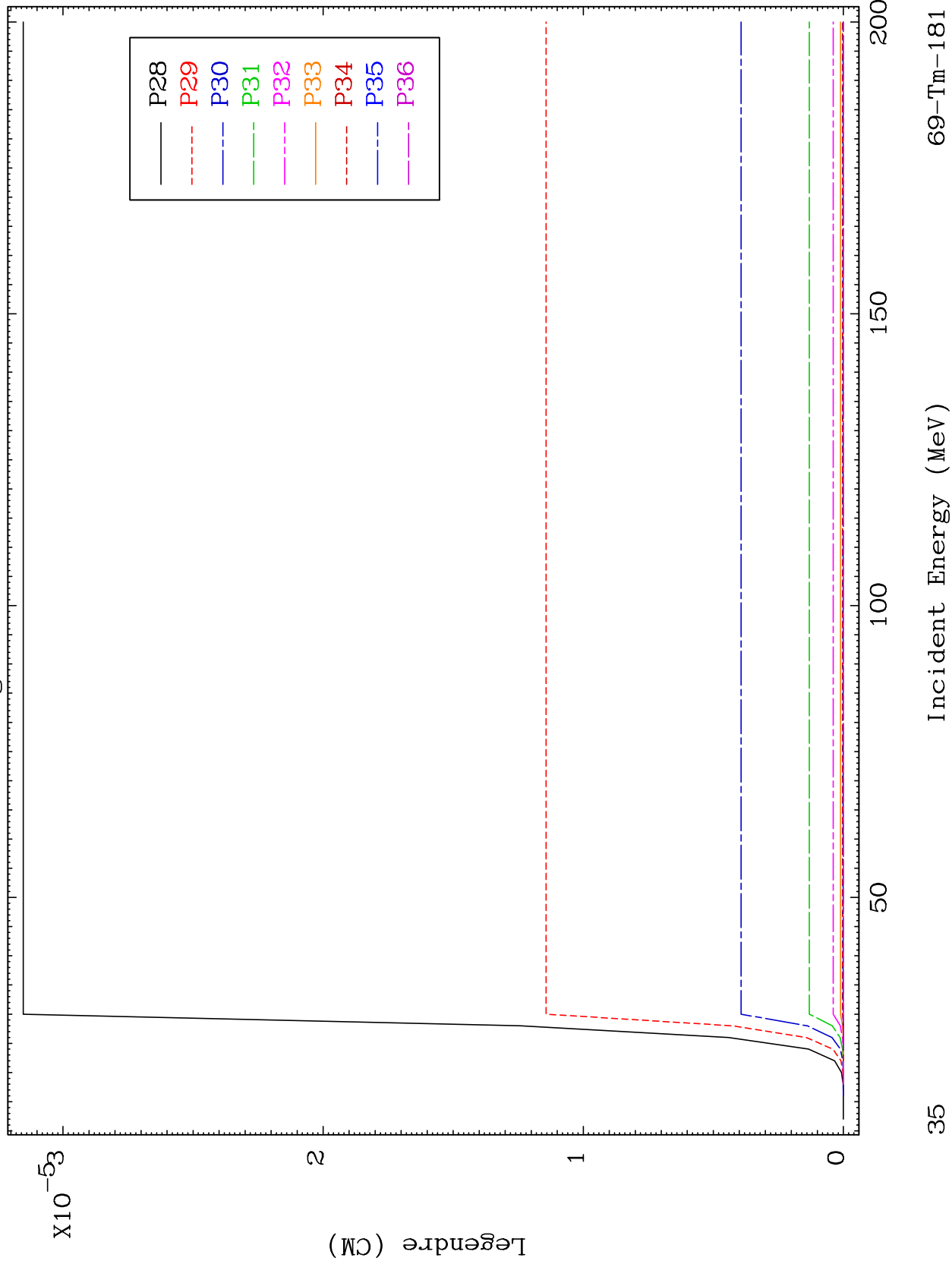
34

69-Tm-181

MAT 6961

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

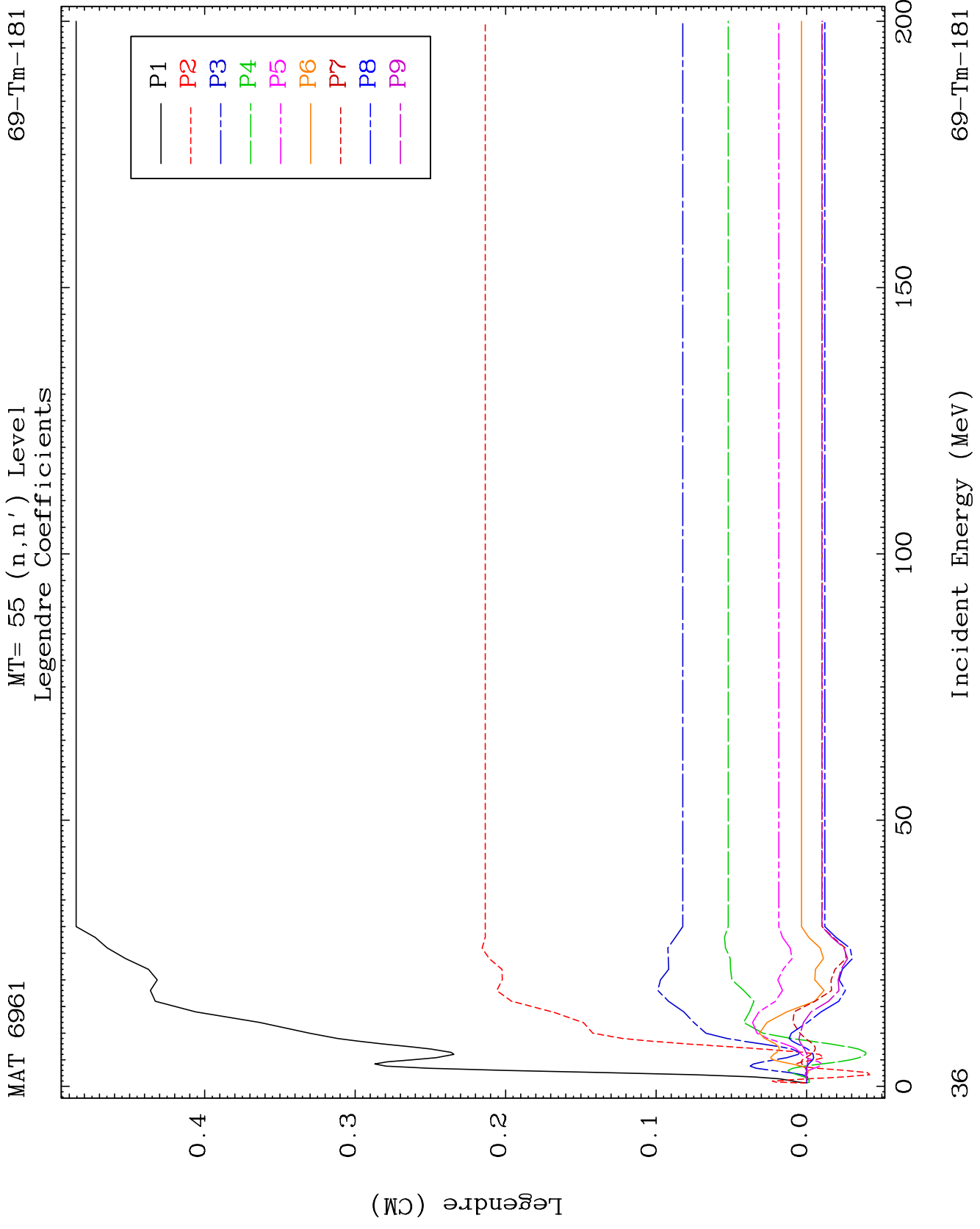
69-Tm-181



35

Incident Energy (MeV)

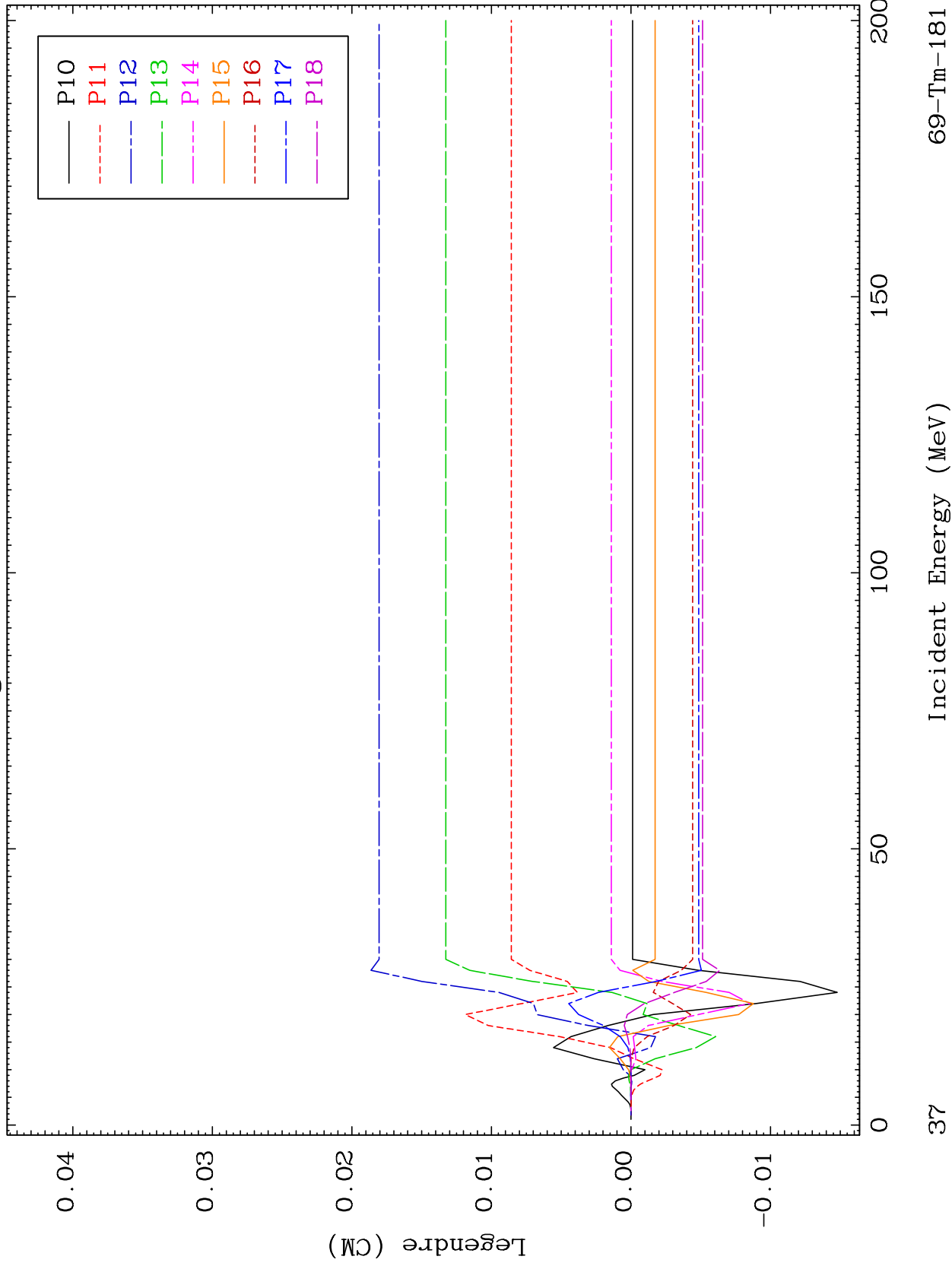
69-Tm-181



MAT 6961

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

69-Tm-181



37

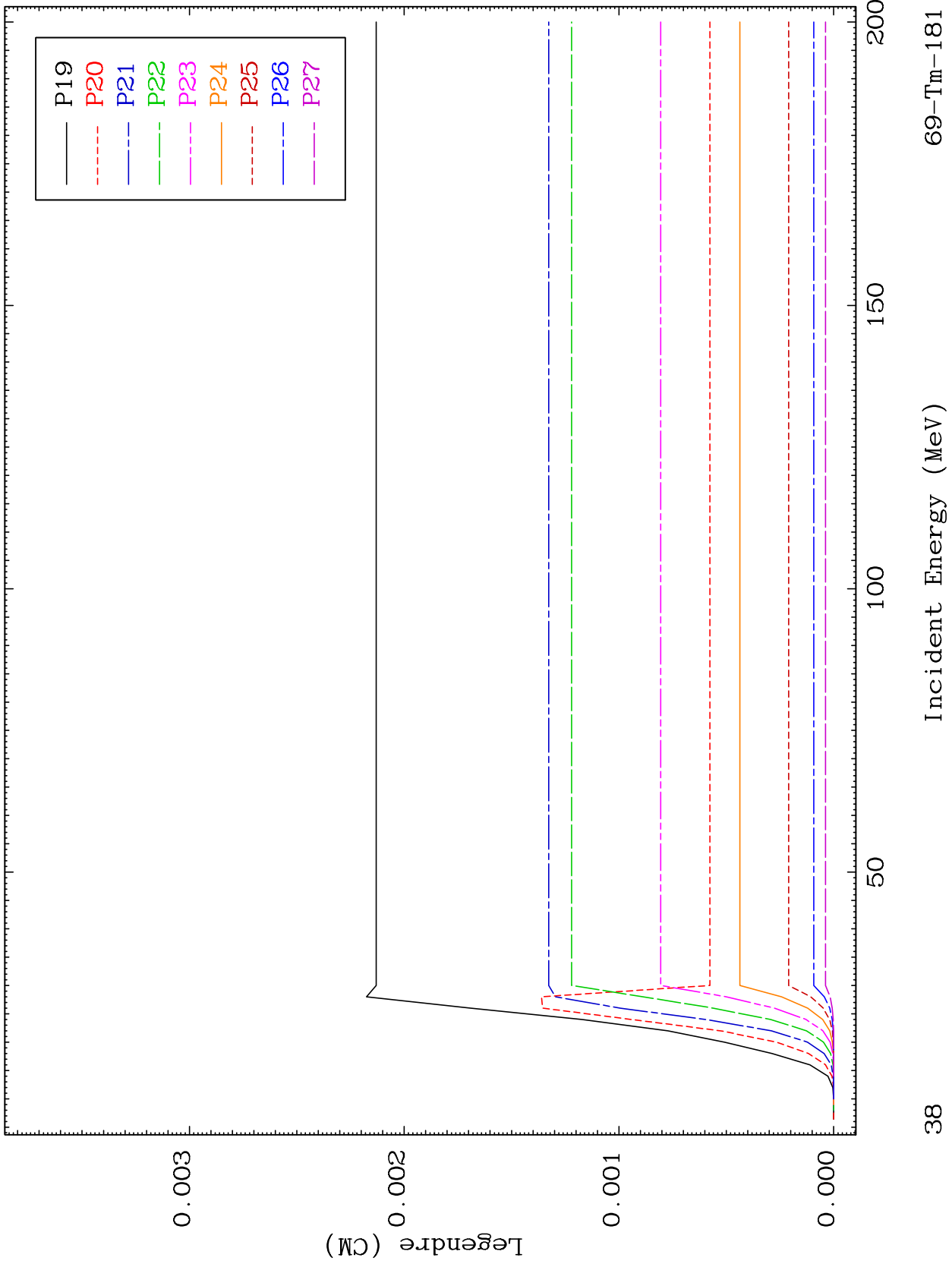
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

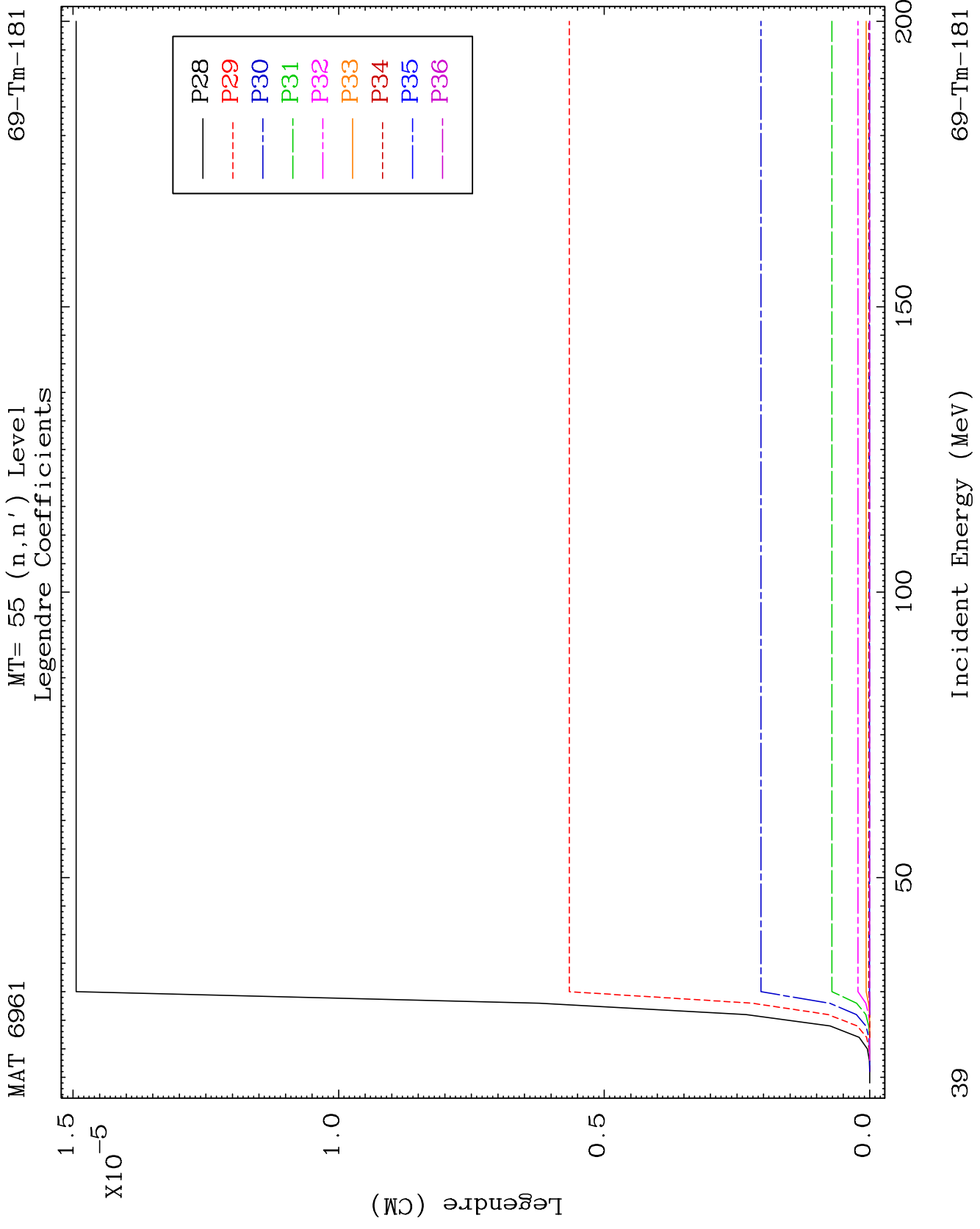
69-Tm-181



38

Incident Energy (MeV)

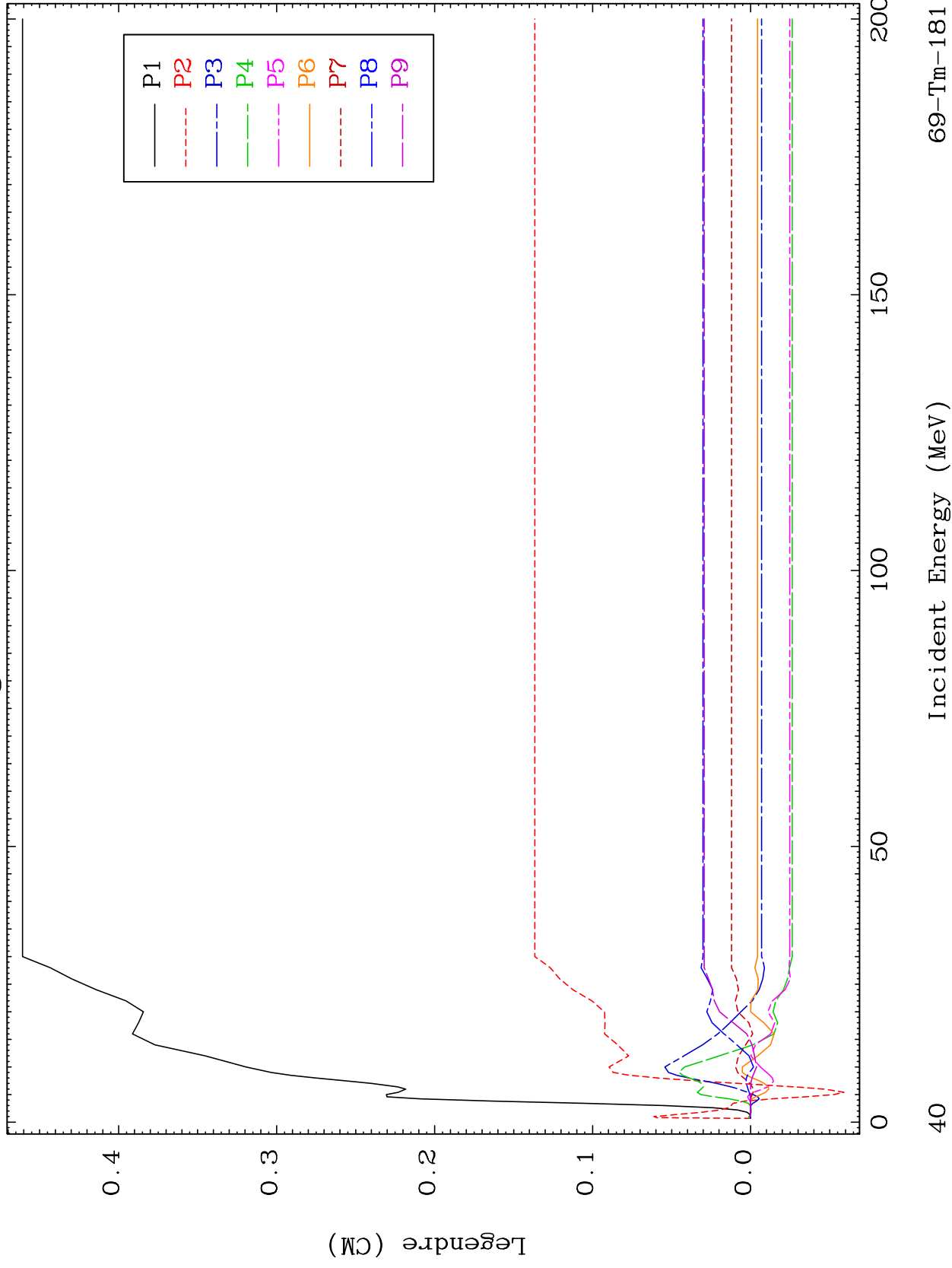
69-Tm-181



MAT 6961

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

69-Tm-181



69-Tm-181

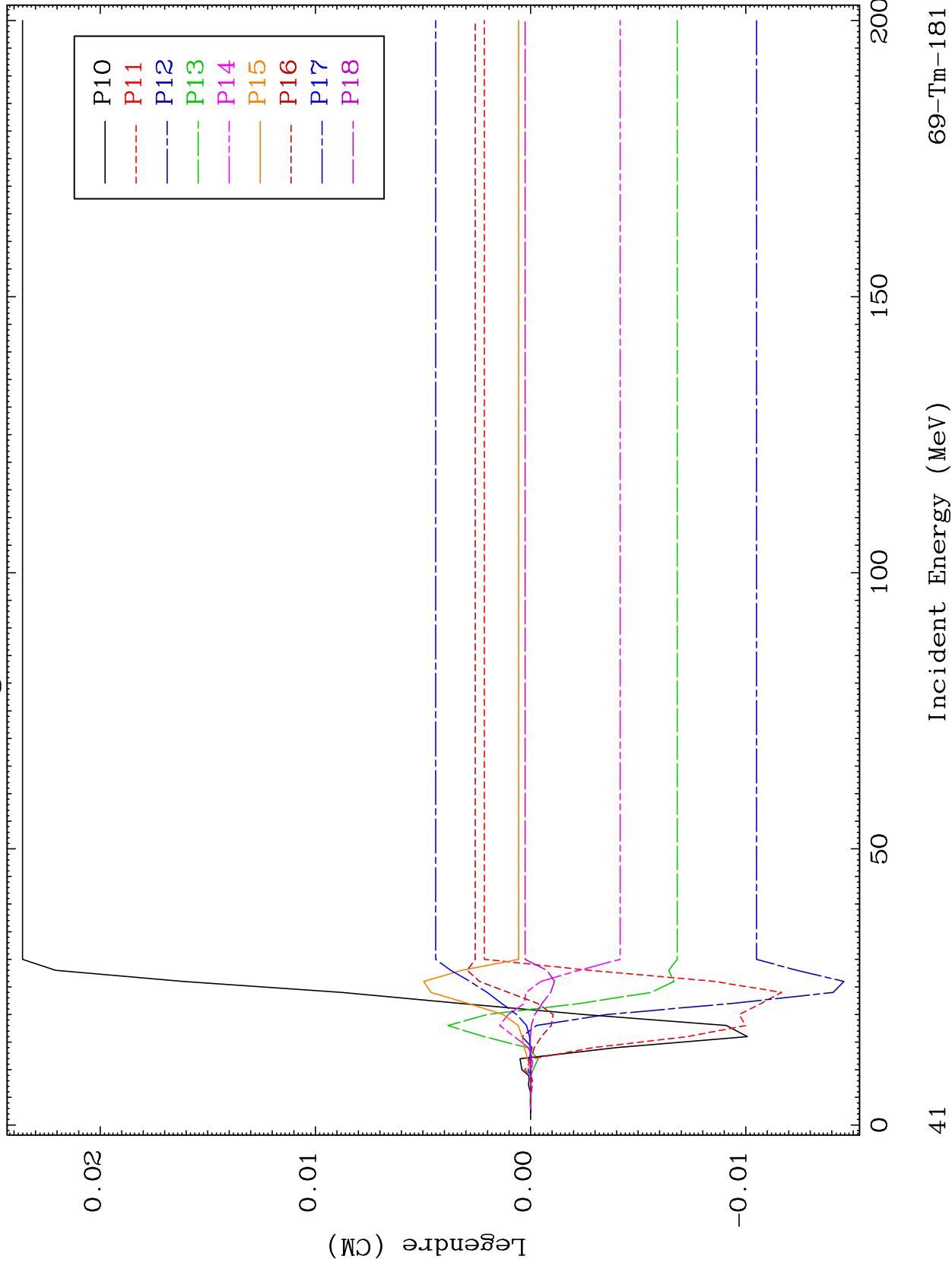
Incident Energy (MeV)

40

MAT 6961

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

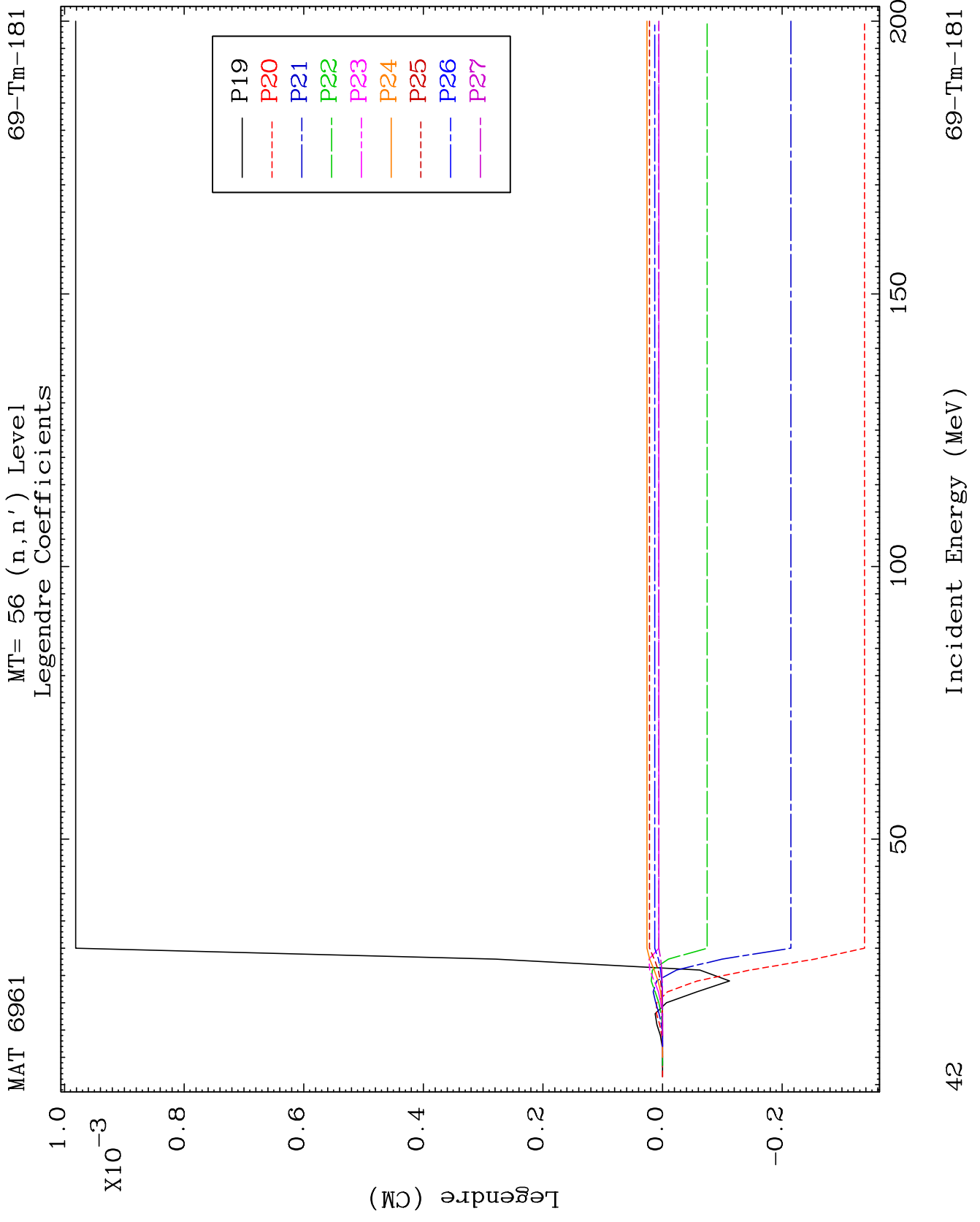
69-Tm-181



41

Incident Energy (MeV)

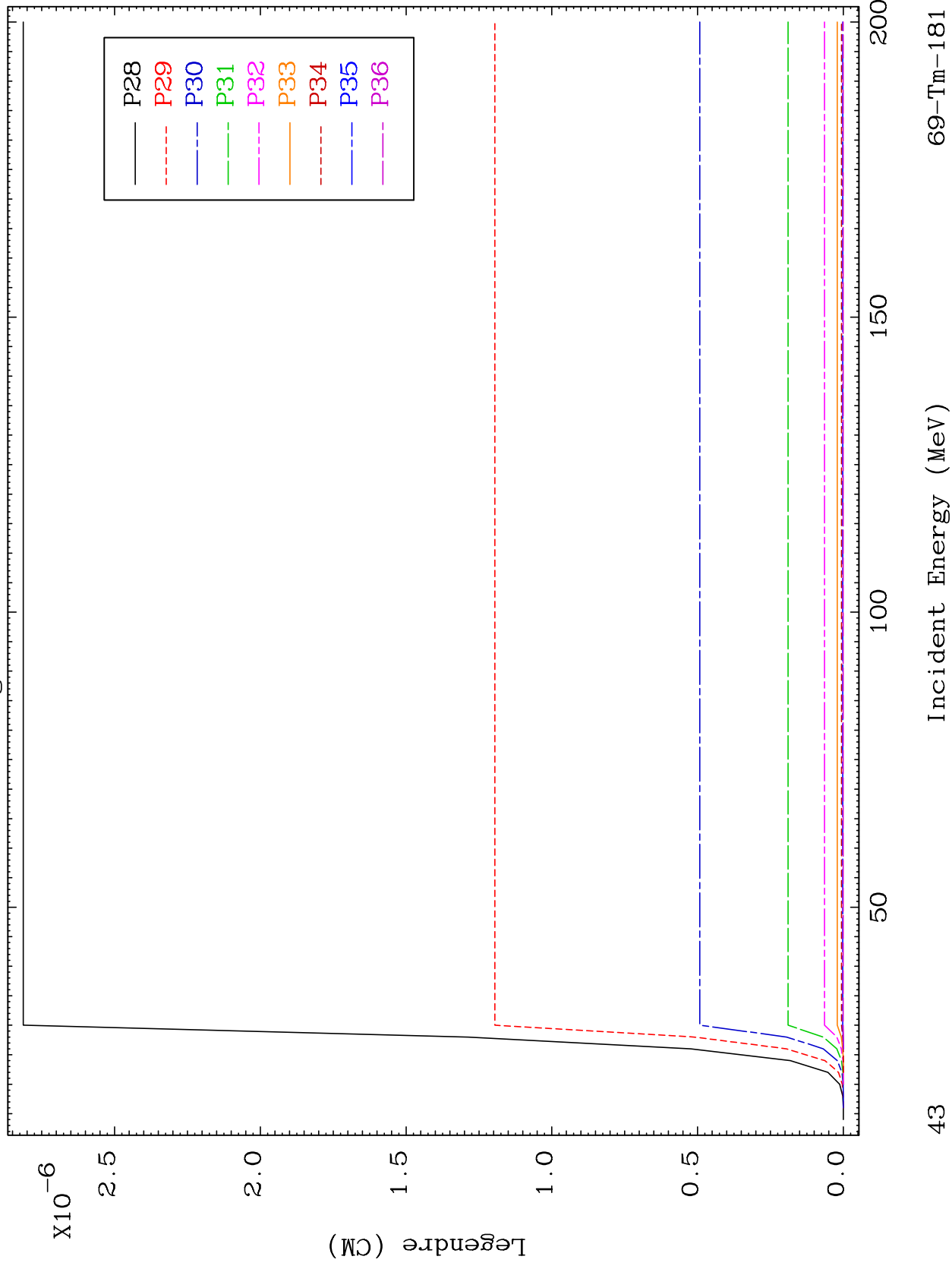
69-Tm-181



MAT 6961

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

69-Tm-181



43

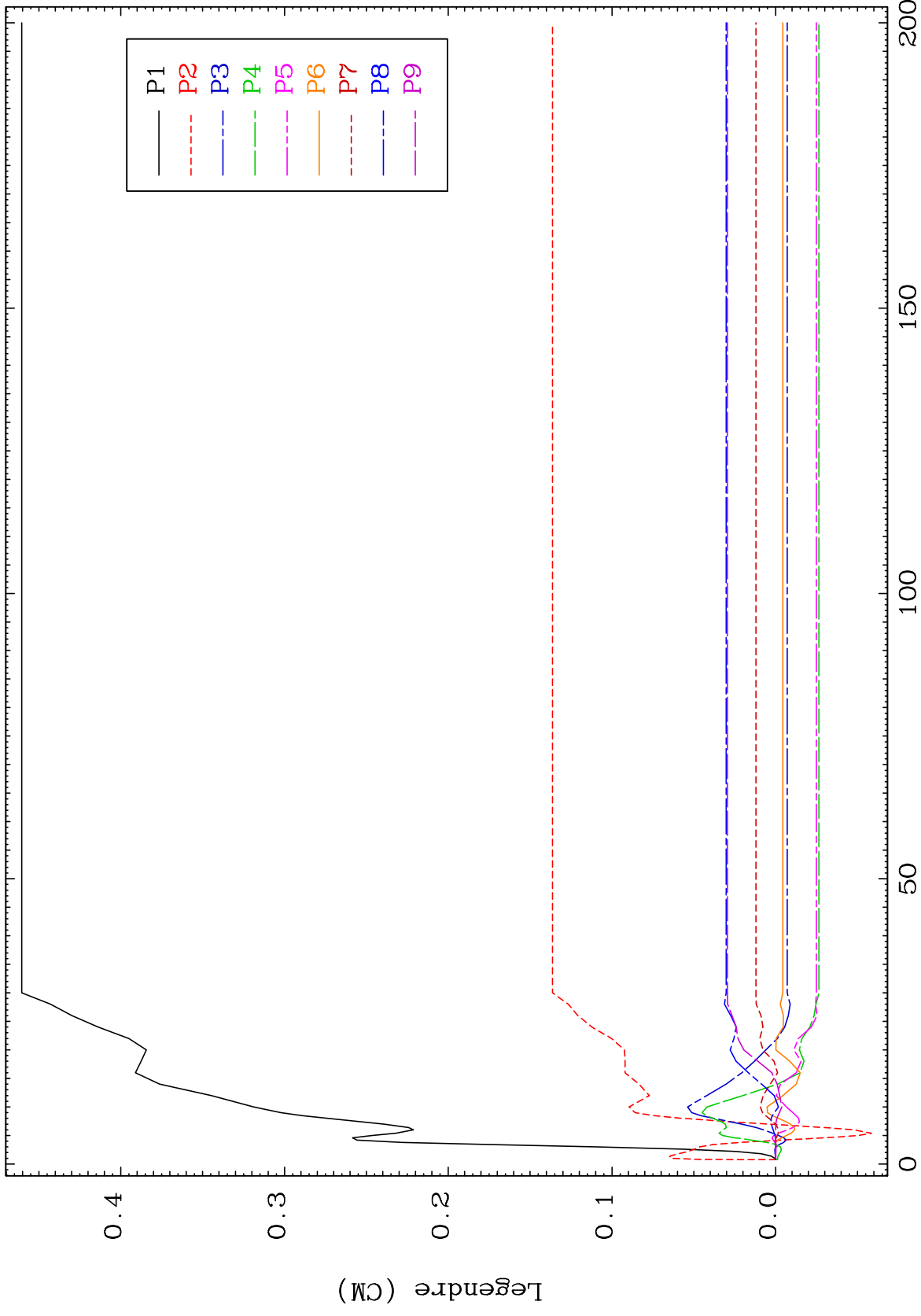
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

69-Tm-181



44

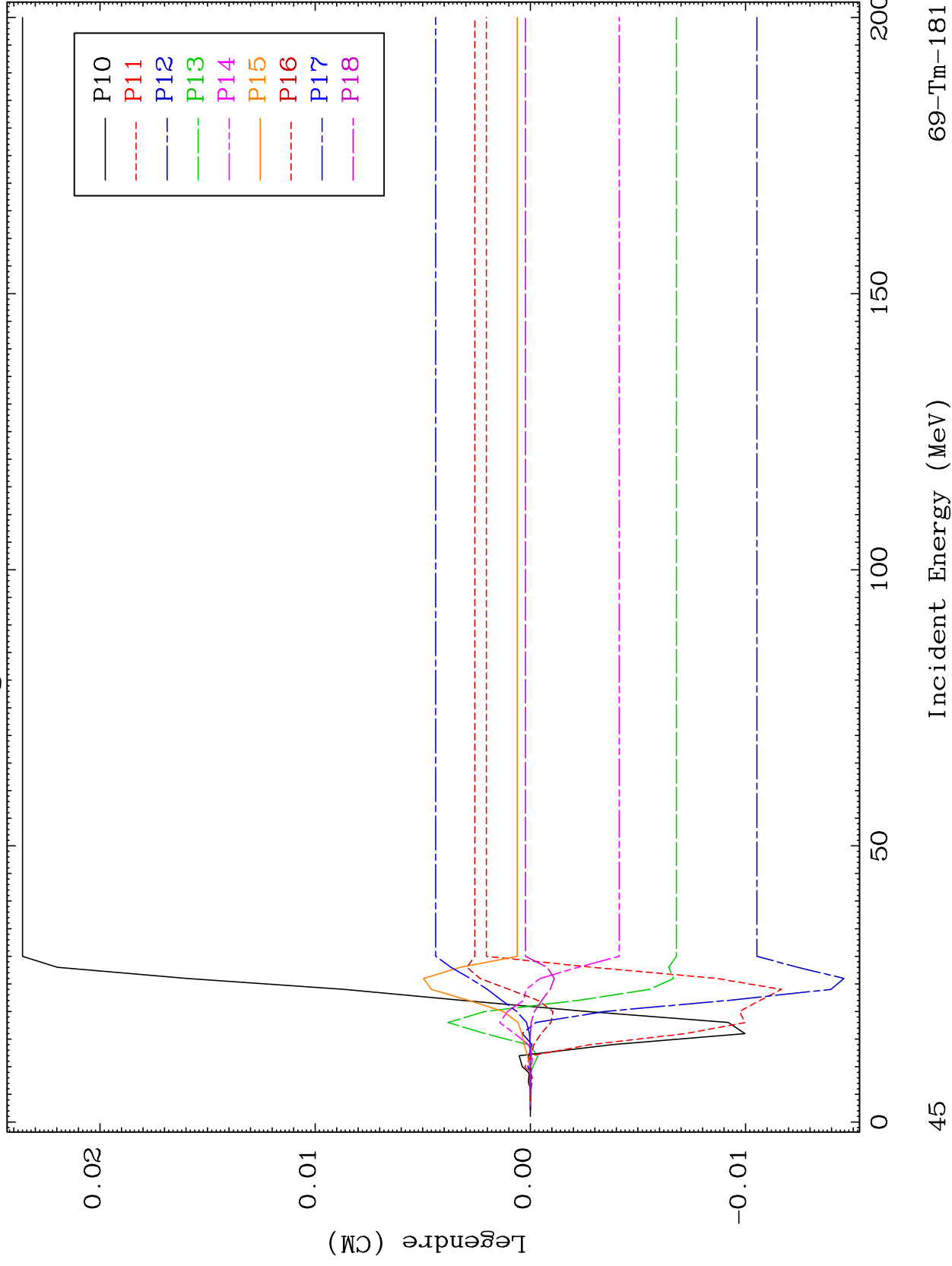
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

69-Tm-181



69-Tm-181

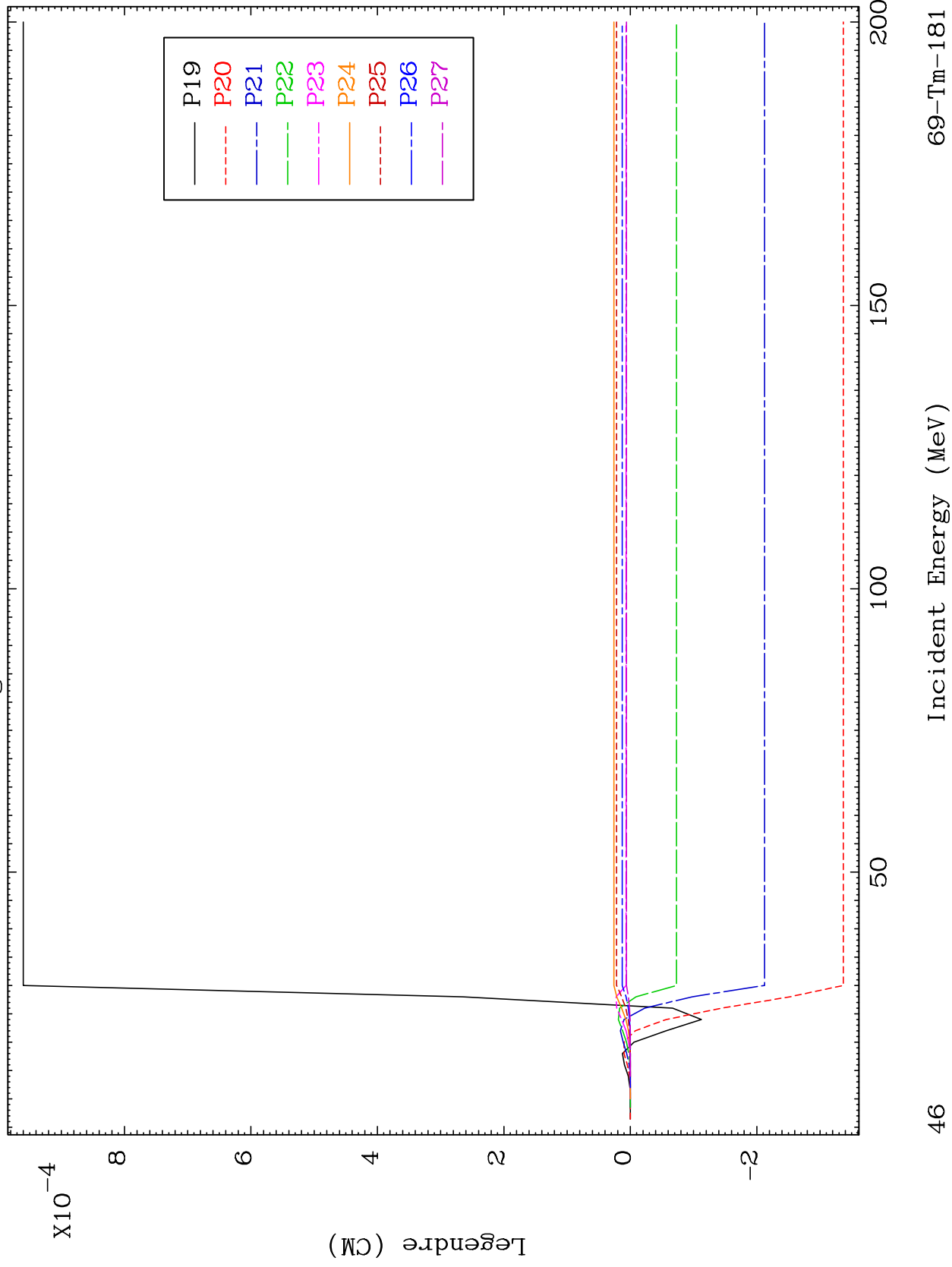
Incident Energy (MeV)

45

MAT 6961

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

69-Tm-181



46

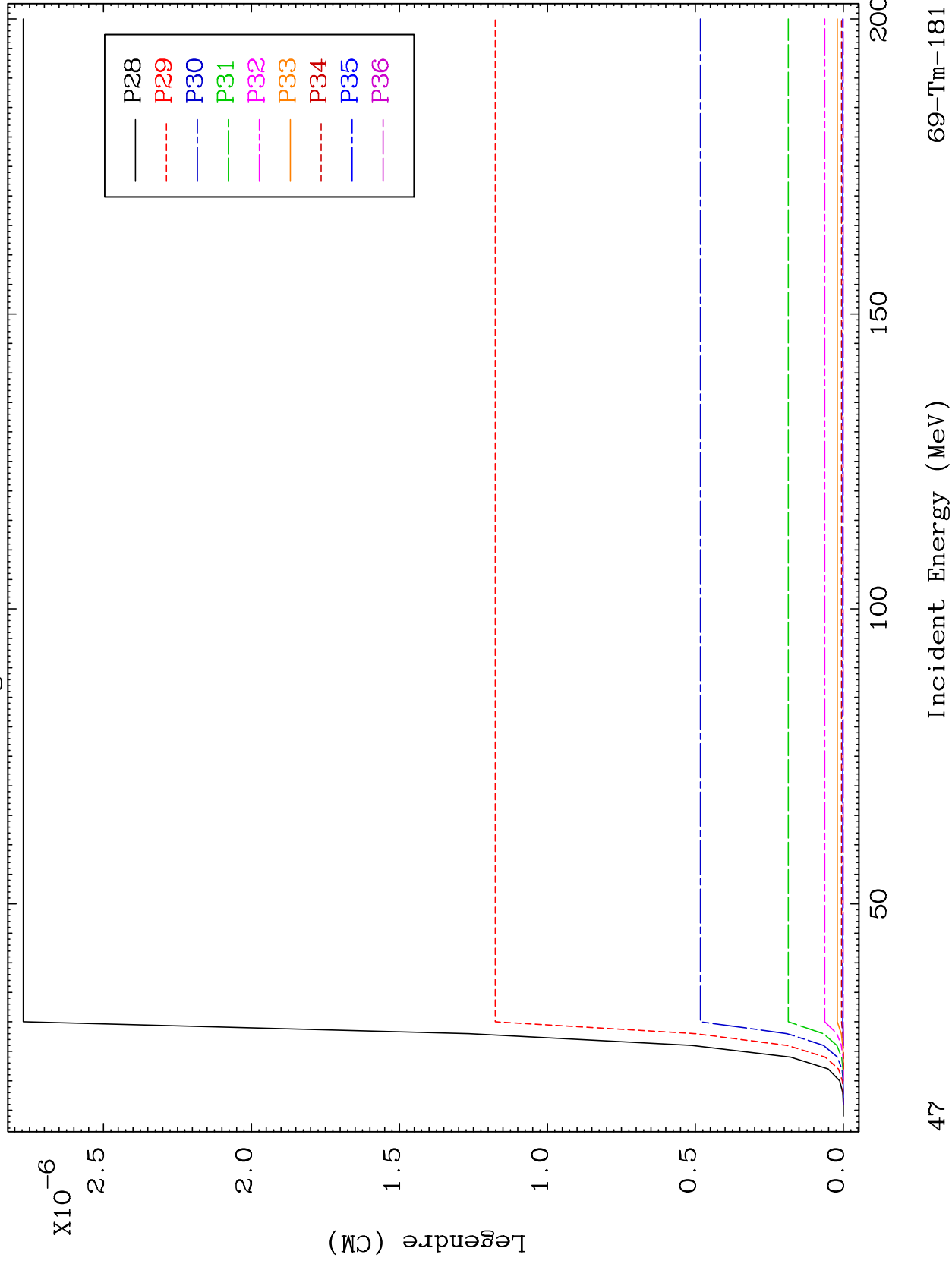
Incident Energy (MeV)

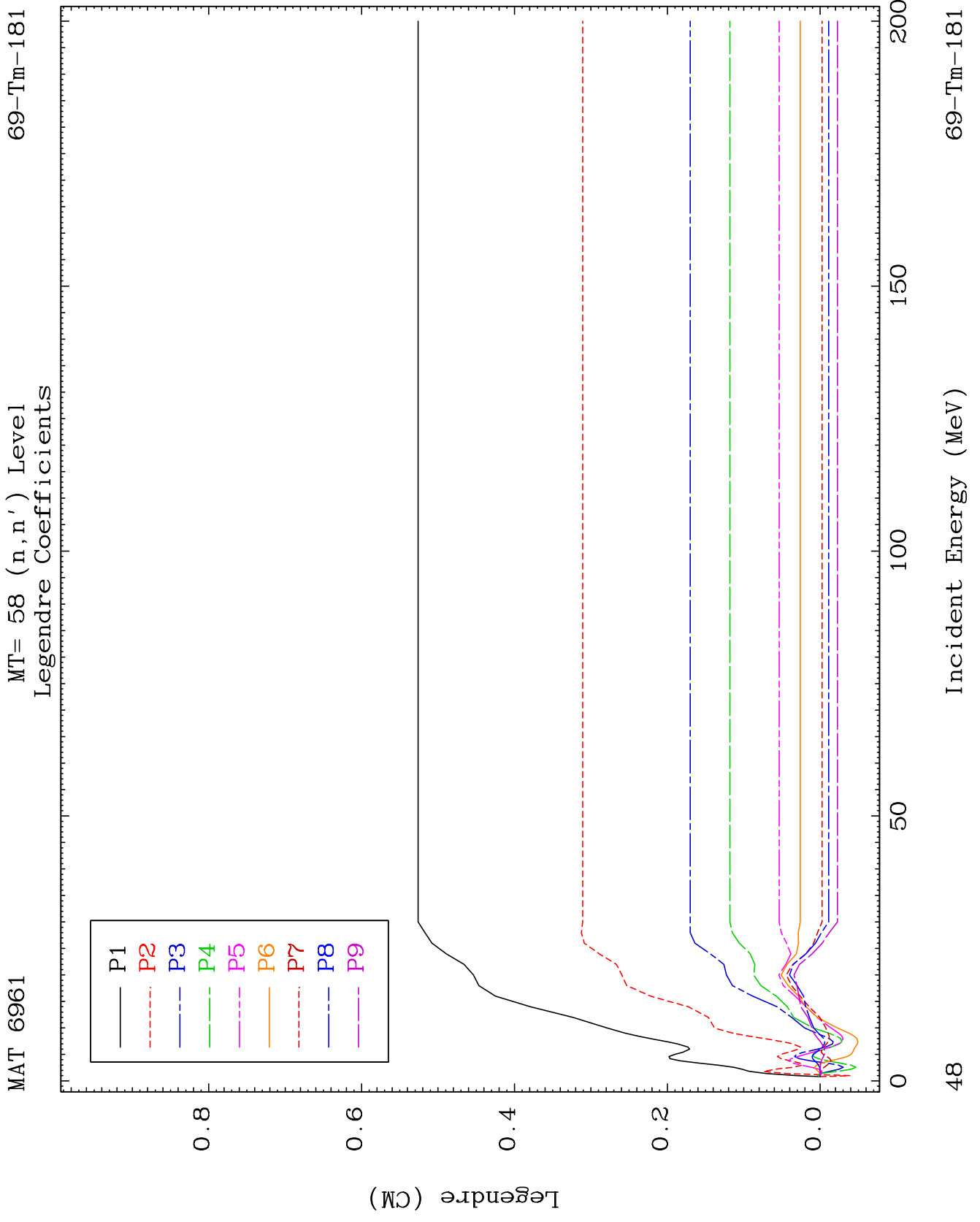
69-Tm-181

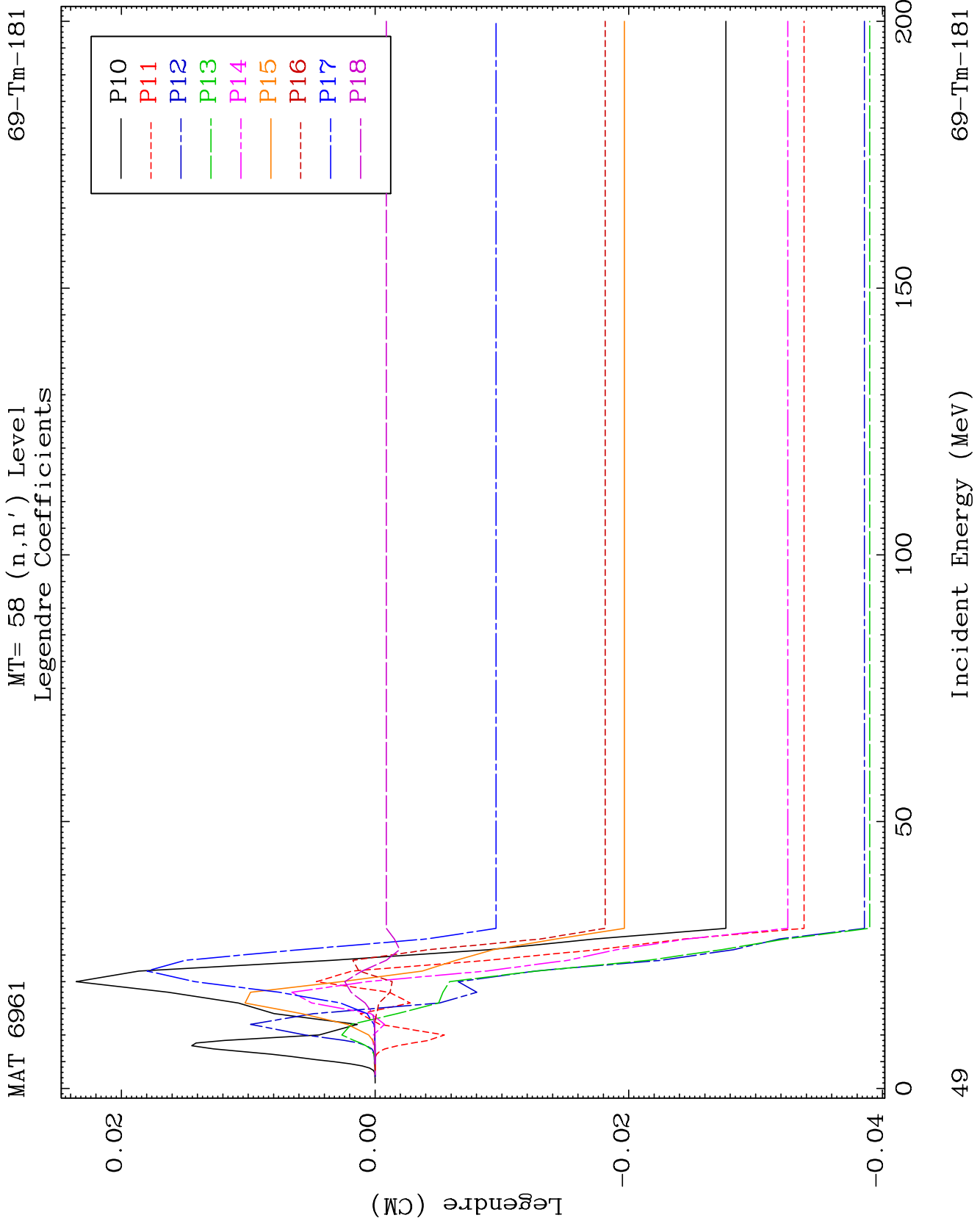
MAT 6961

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

69-Tm-181



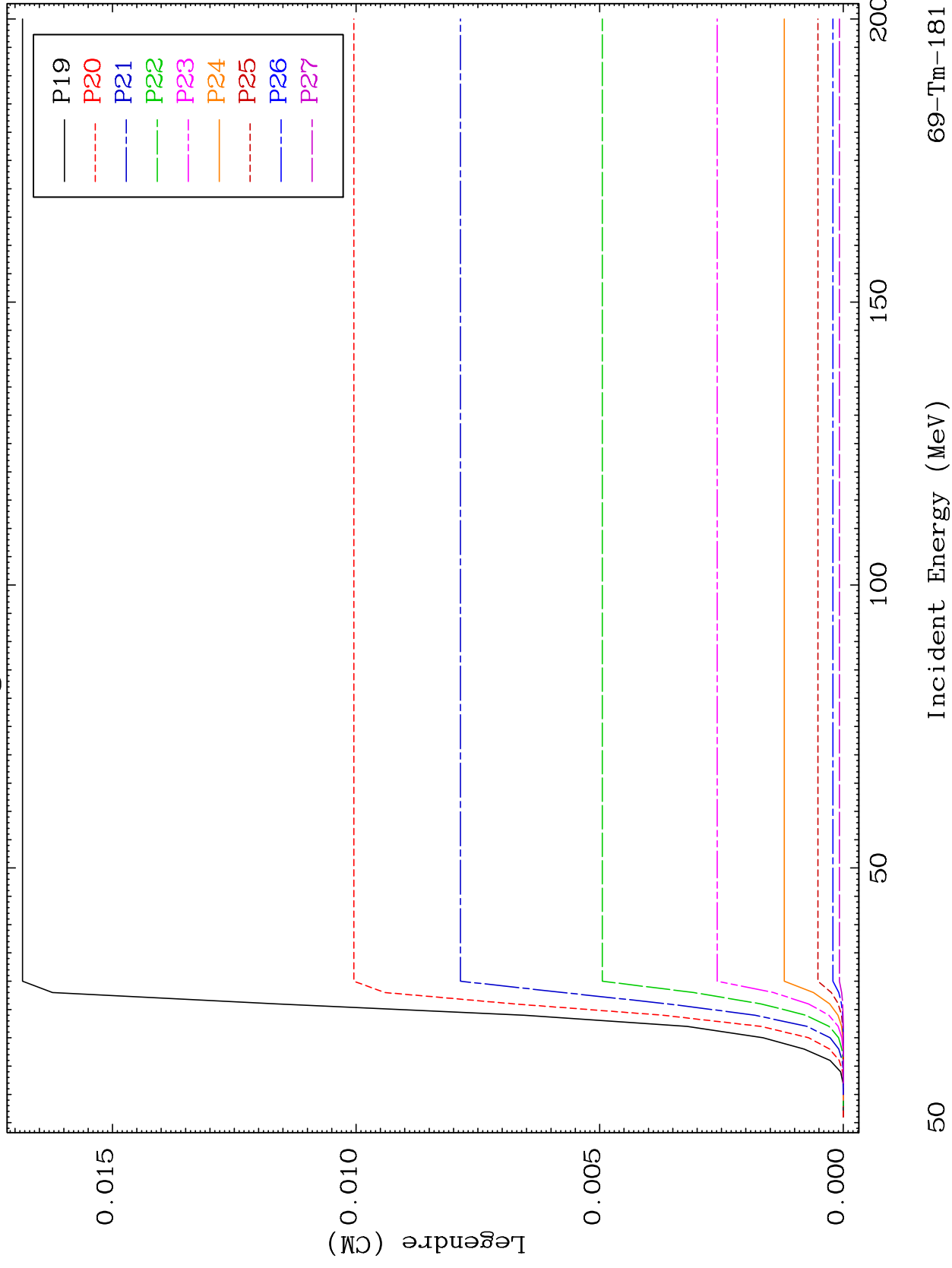




MAT 6961

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

69-Tm-181



69-Tm-181

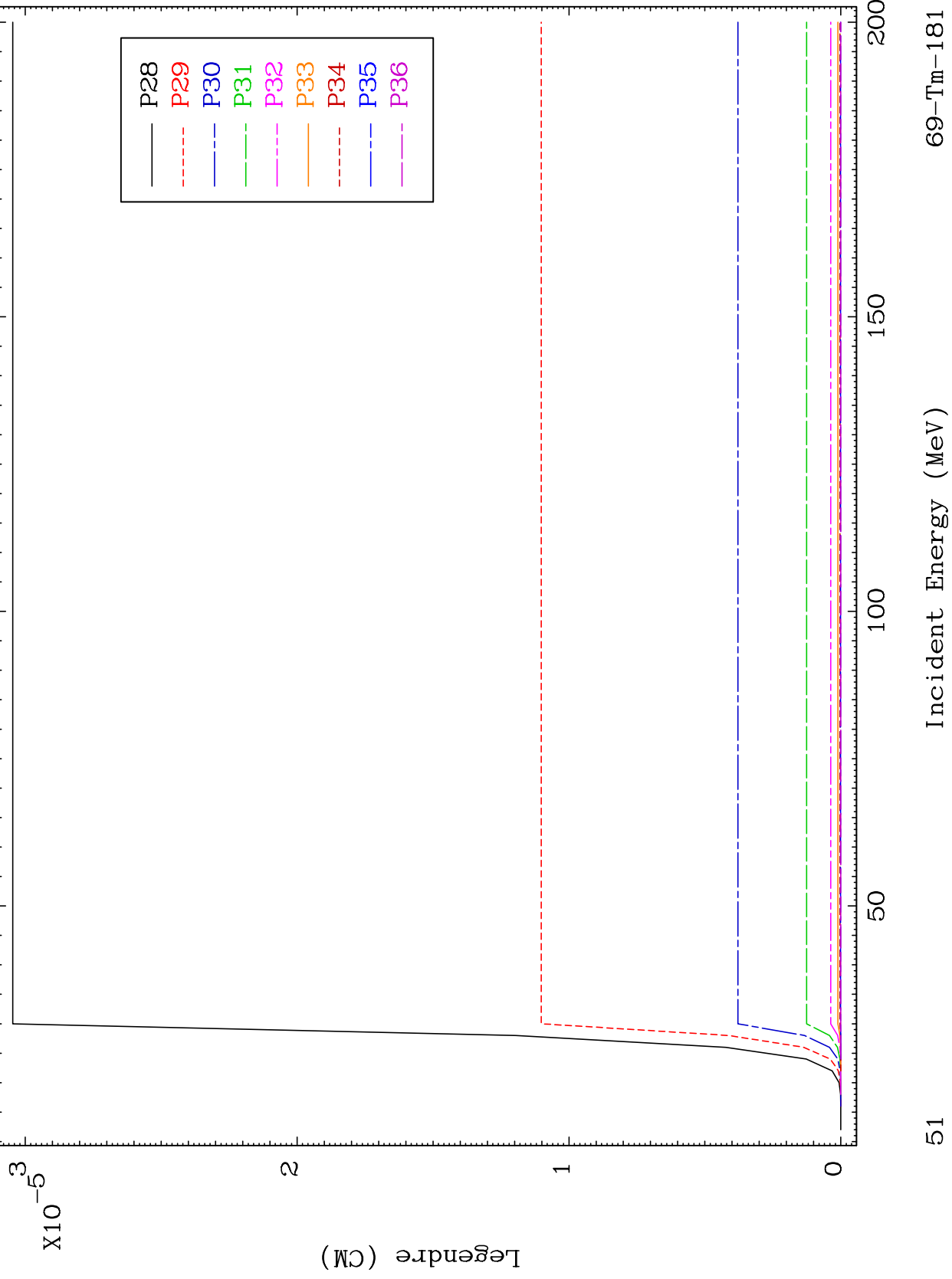
Incident Energy (MeV)

50

MAT 6961

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

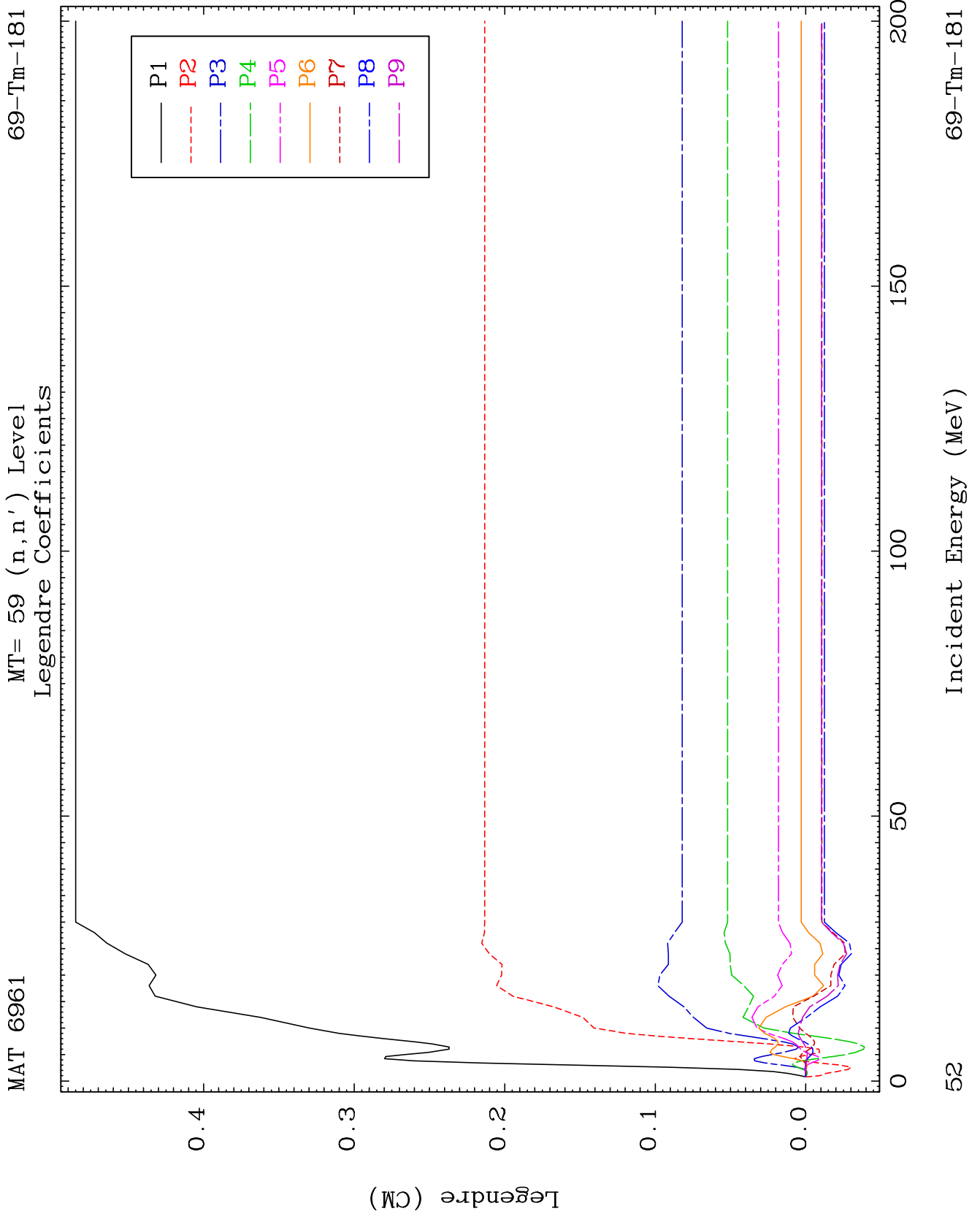
69-Tm-181

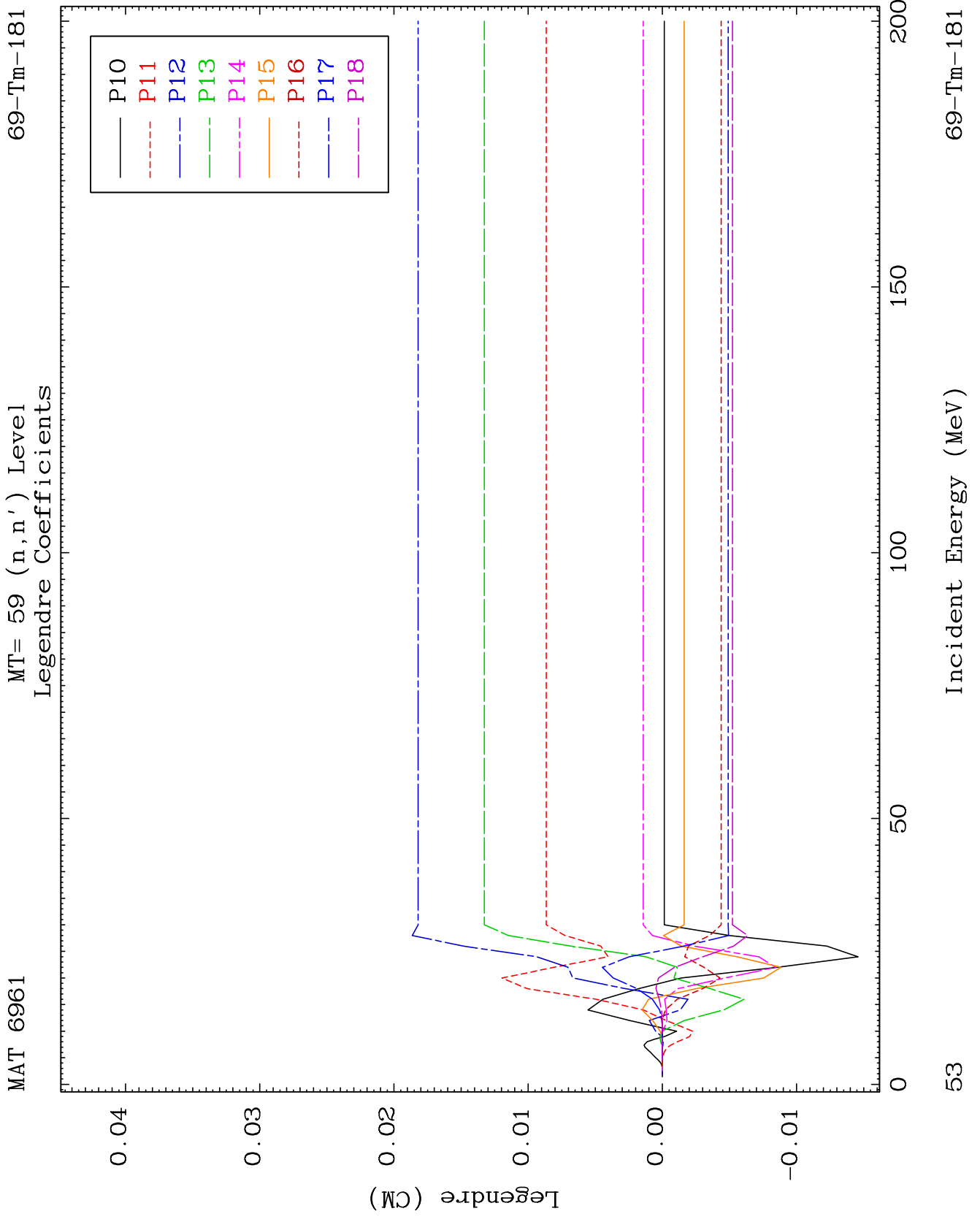


51

Incident Energy (MeV)

69-Tm-181

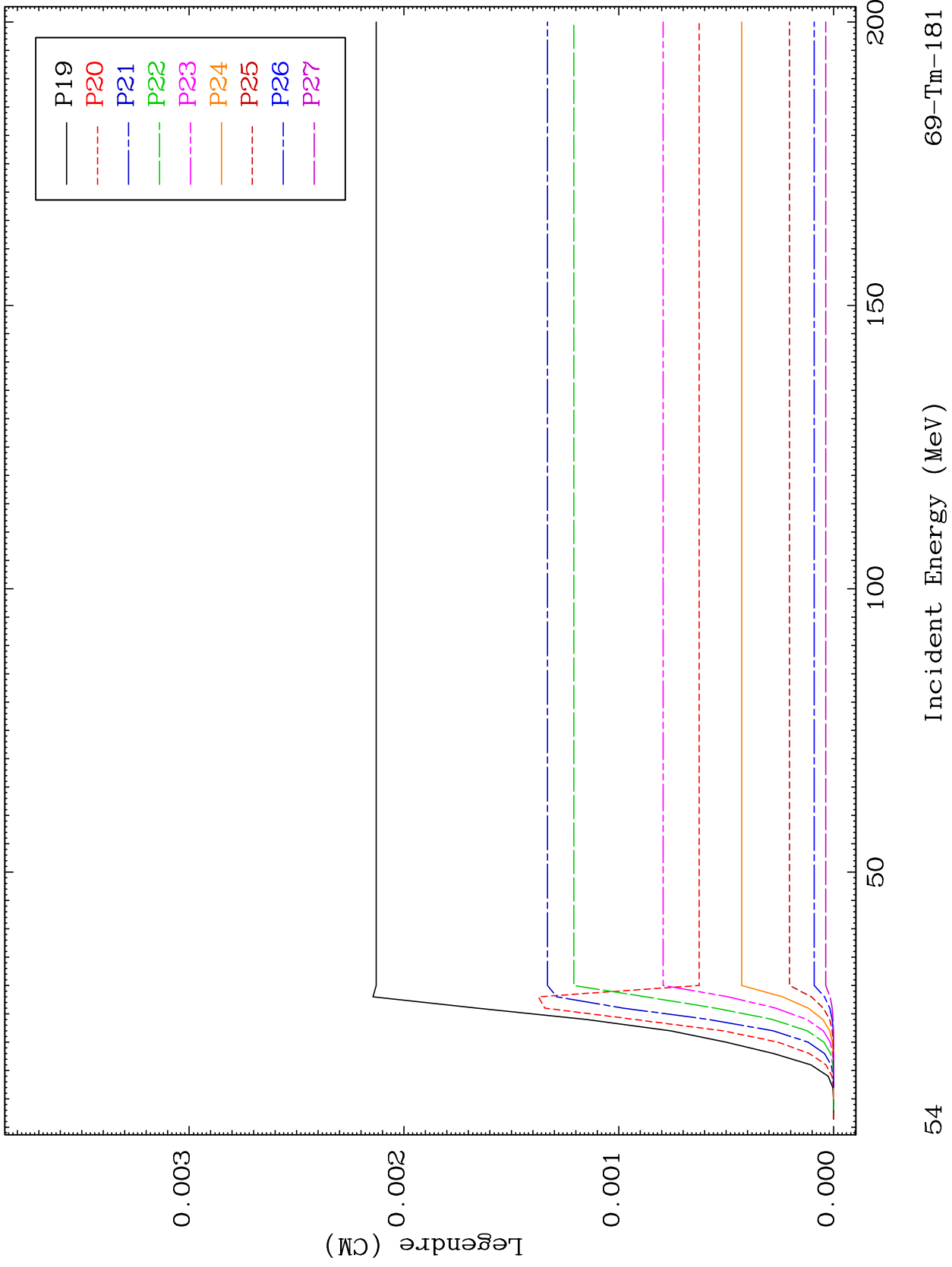




MAT 6961

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

69-Tm-181



54

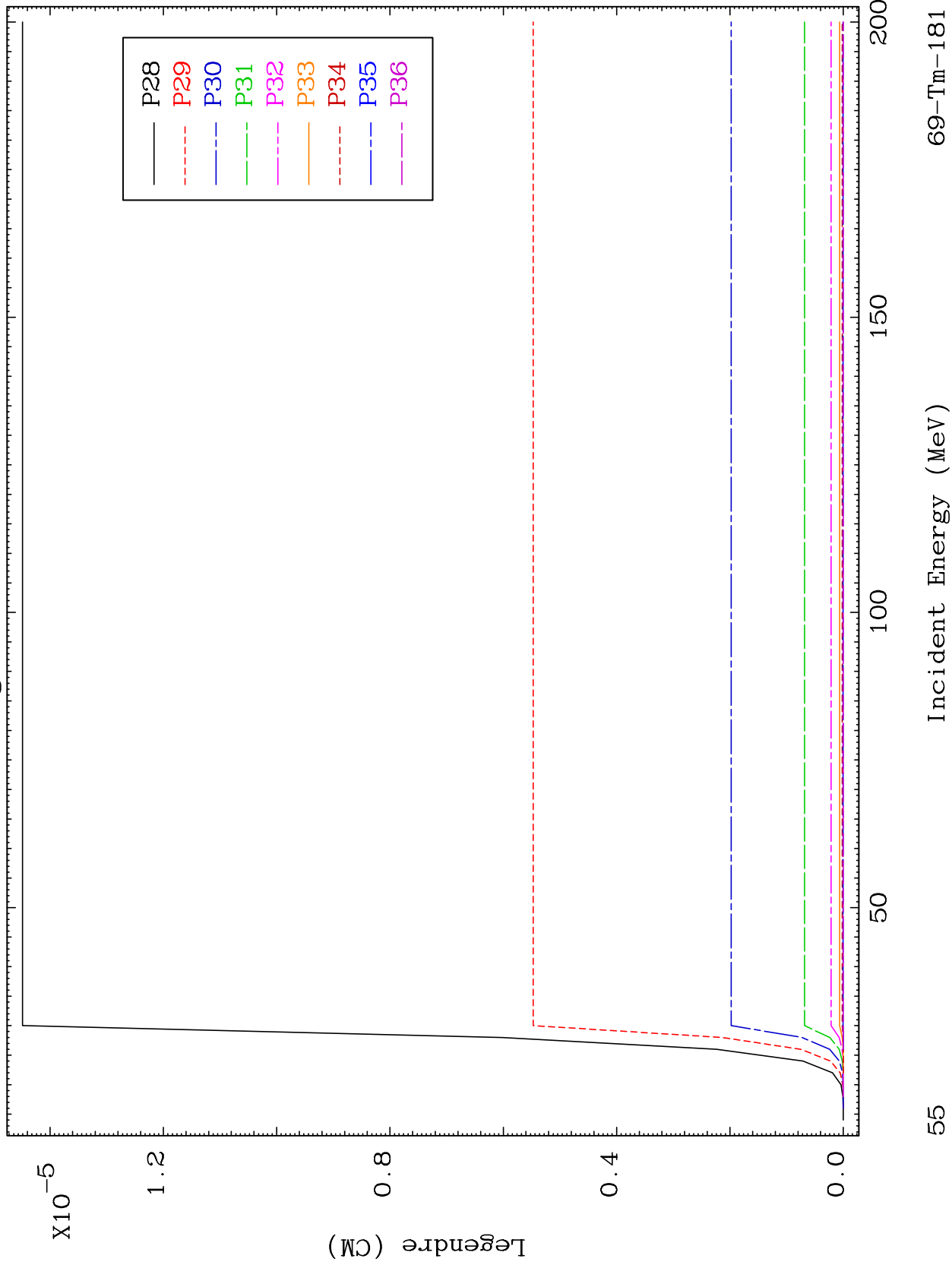
Incident Energy (MeV)

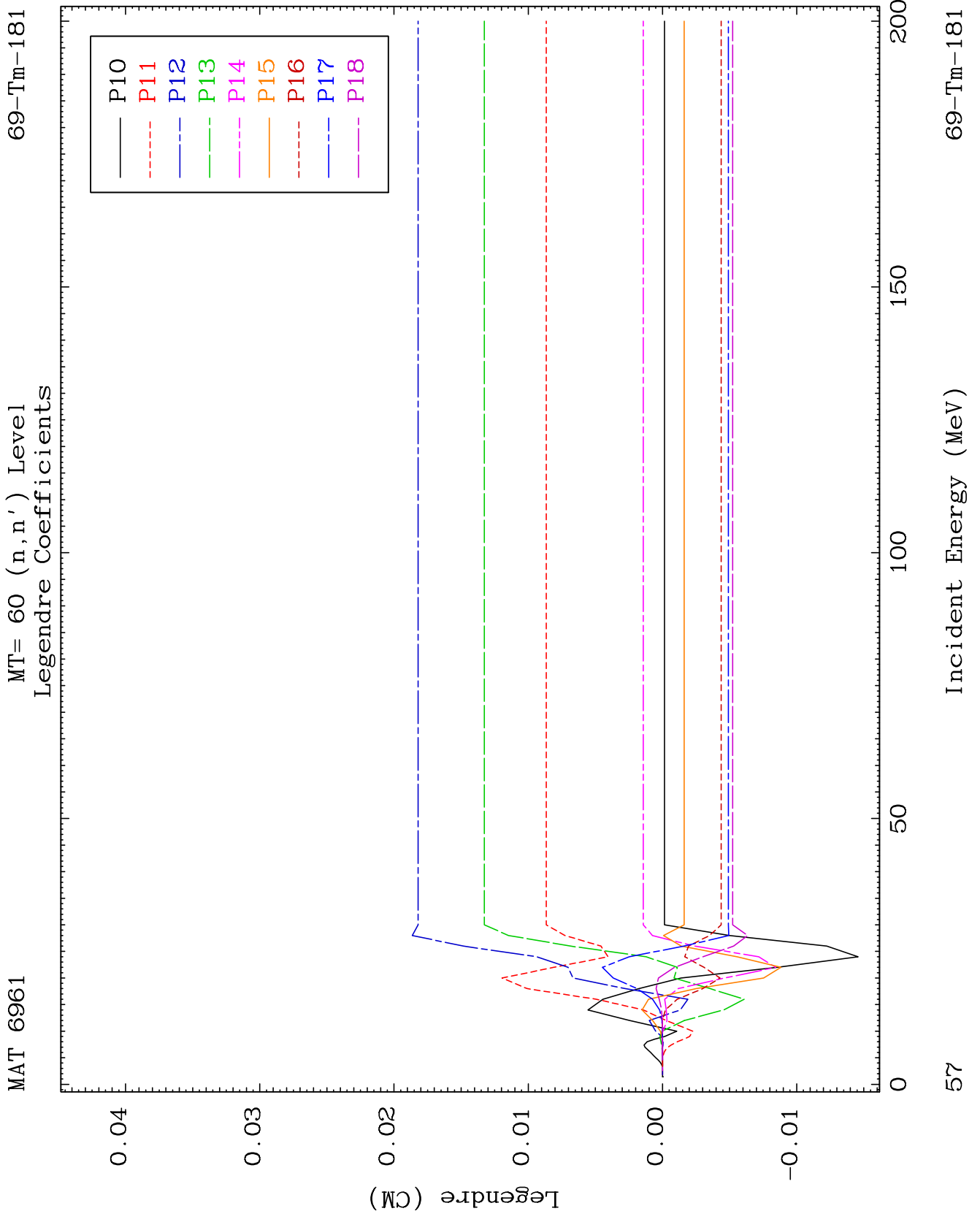
69-Tm-181

MAT 6961

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

69-Tm-181

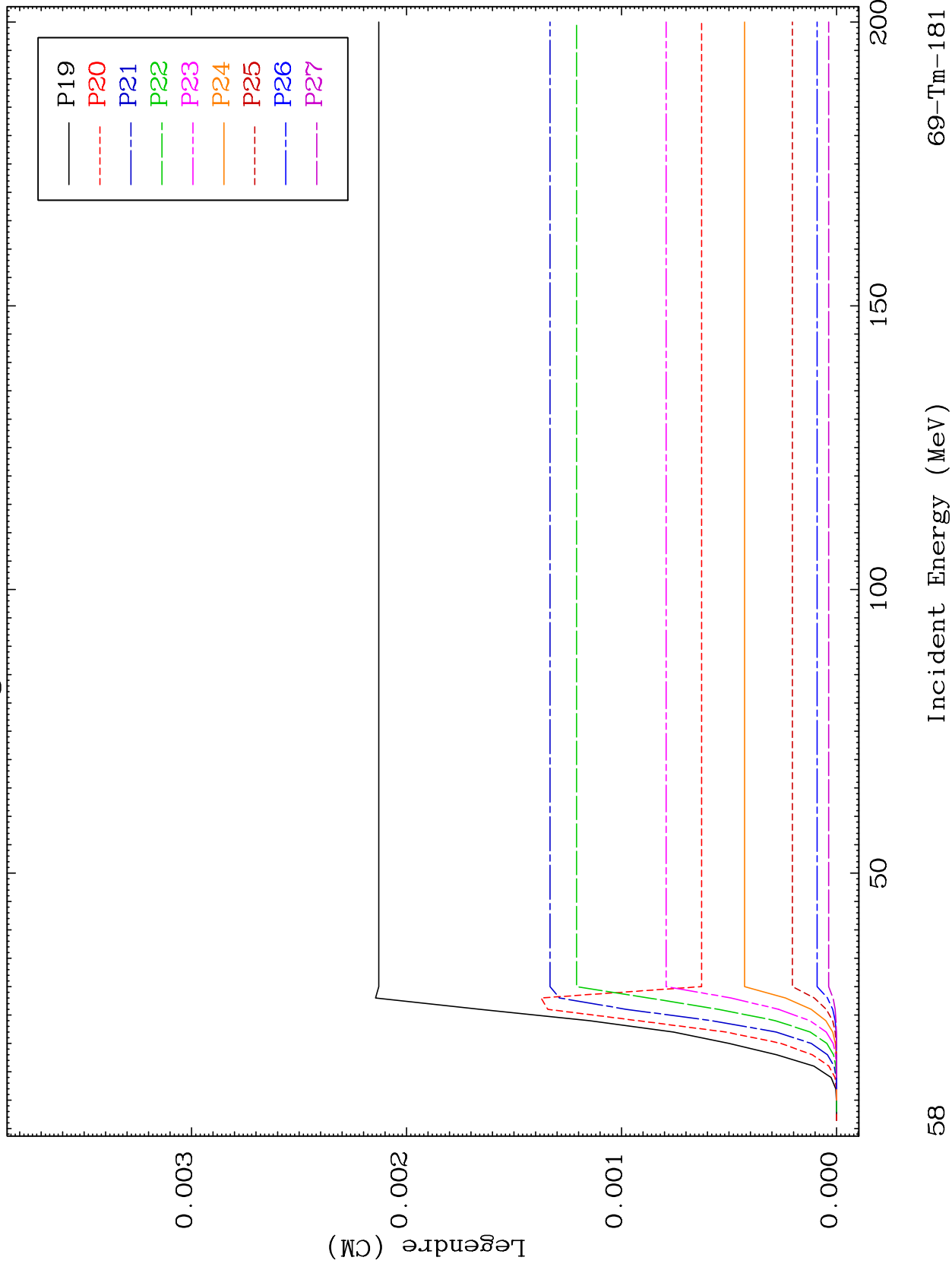




MAT 6961

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

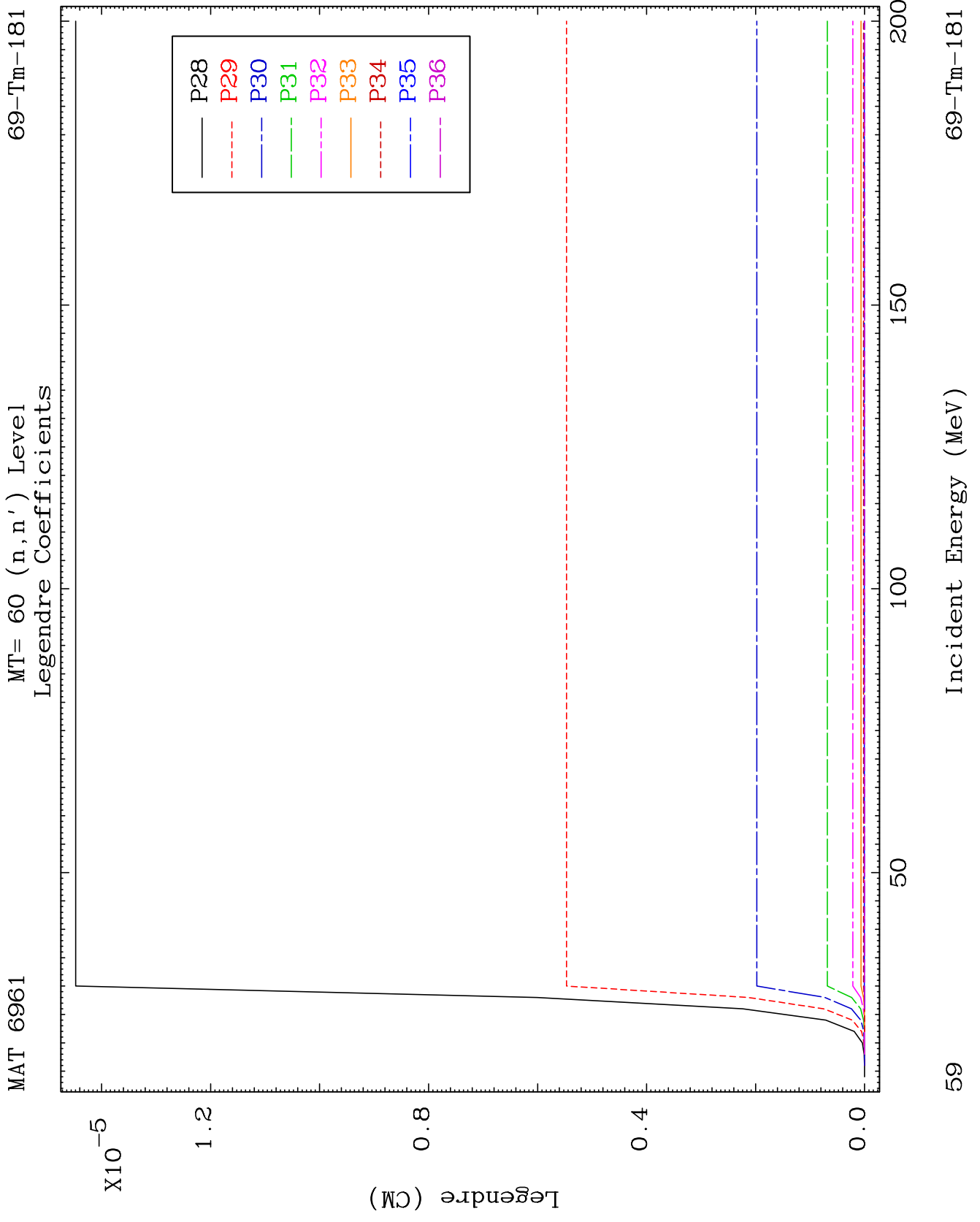
69-Tm-181

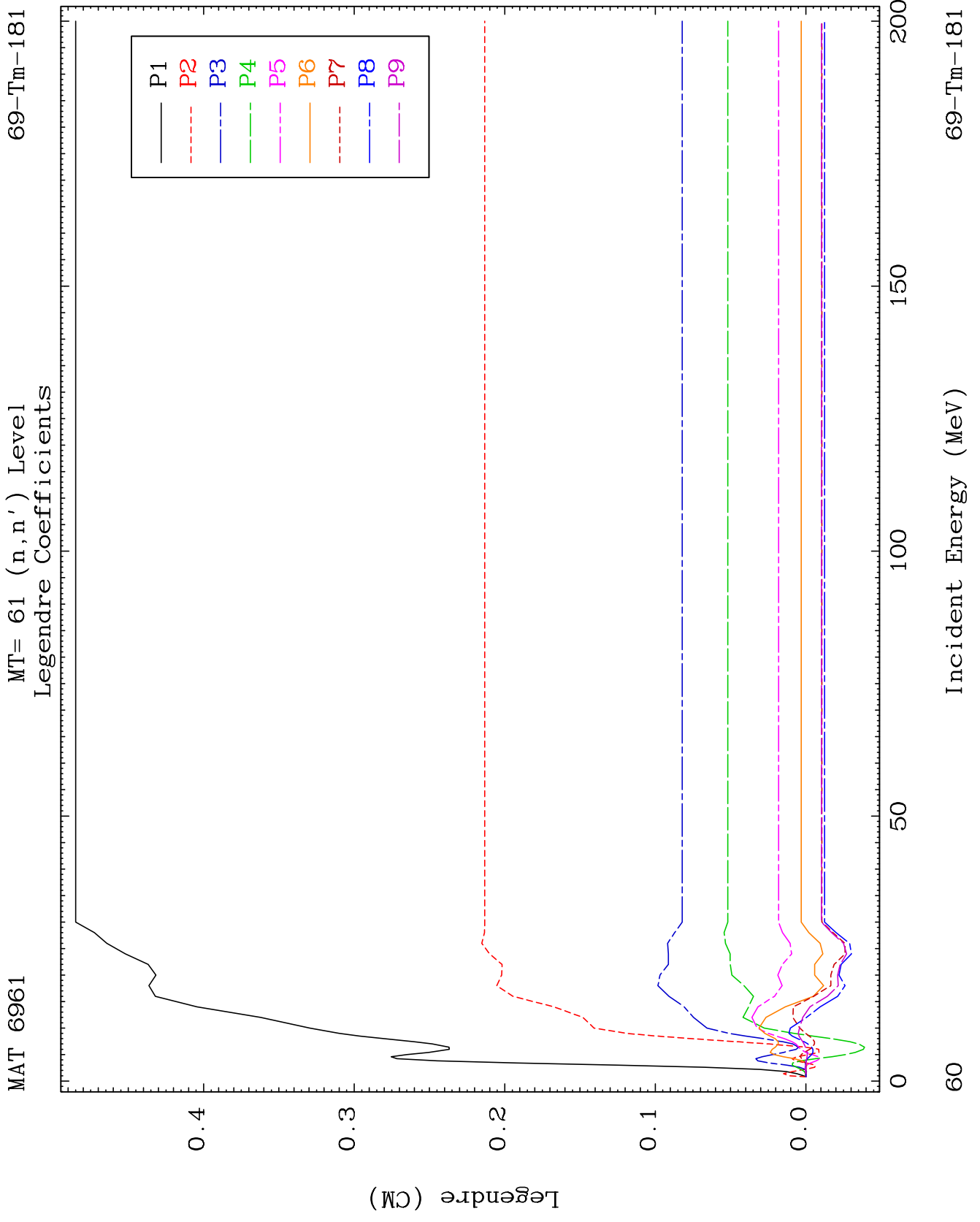


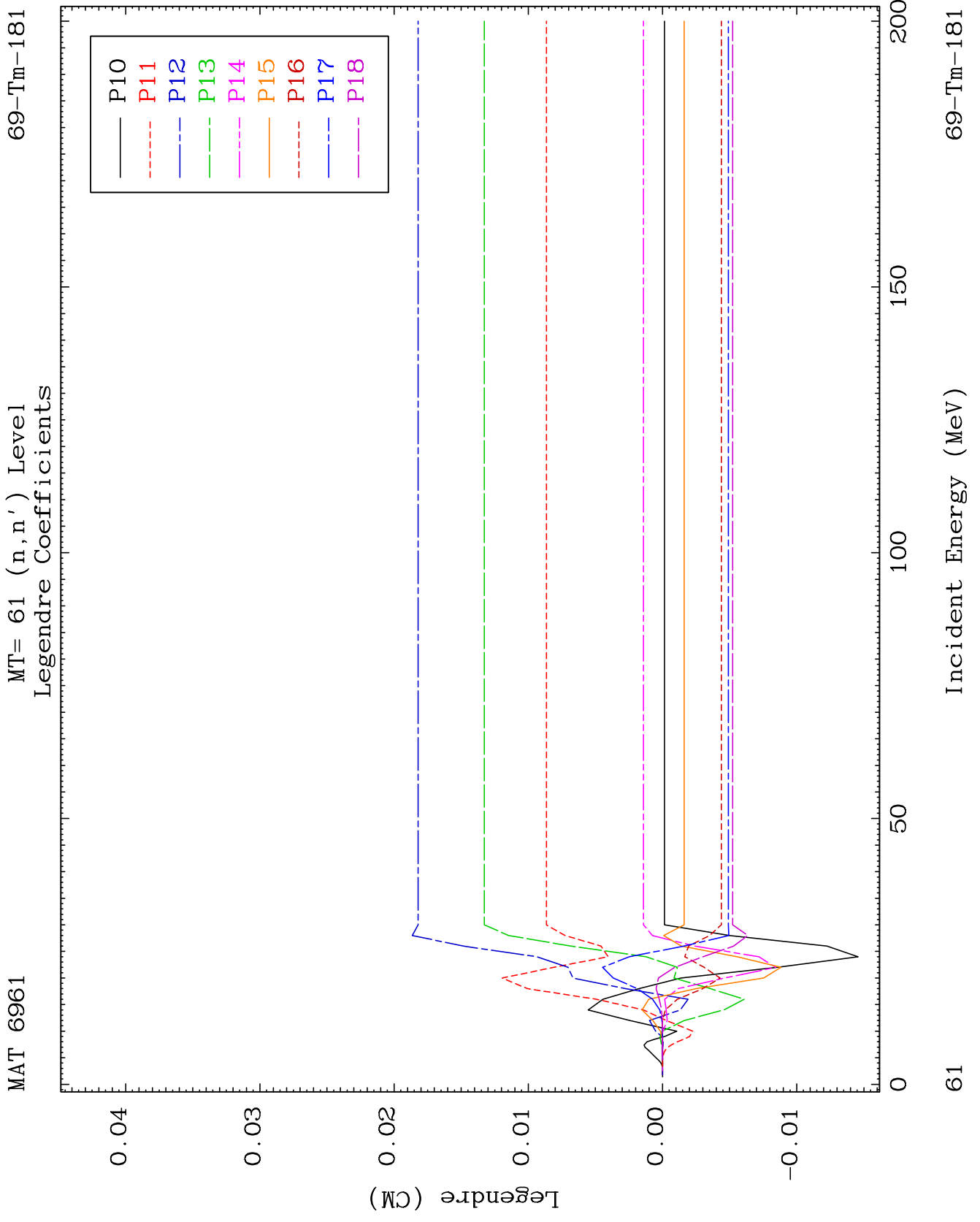
58

Incident Energy (MeV)

69-Tm-181



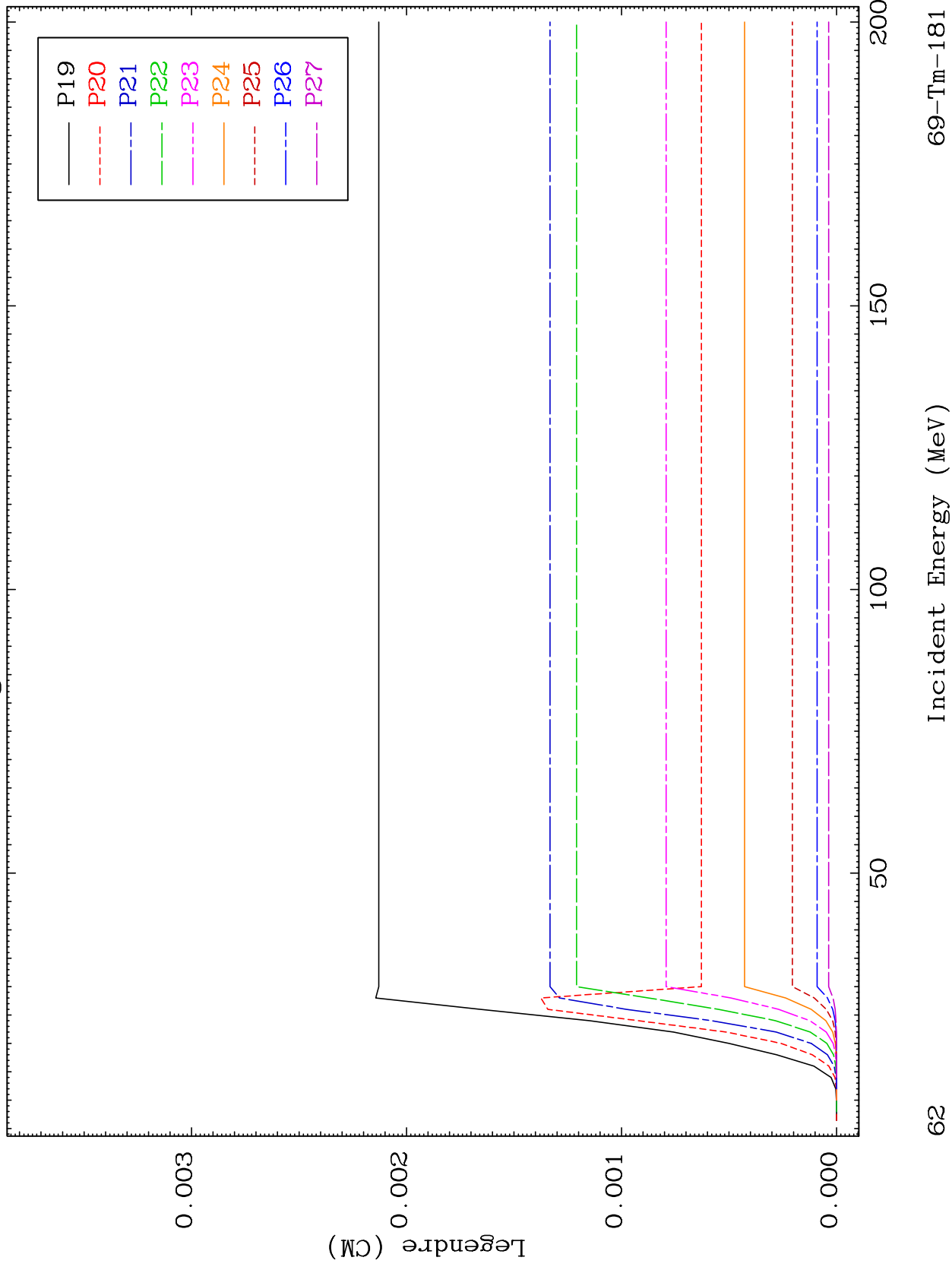




MAT 6961

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

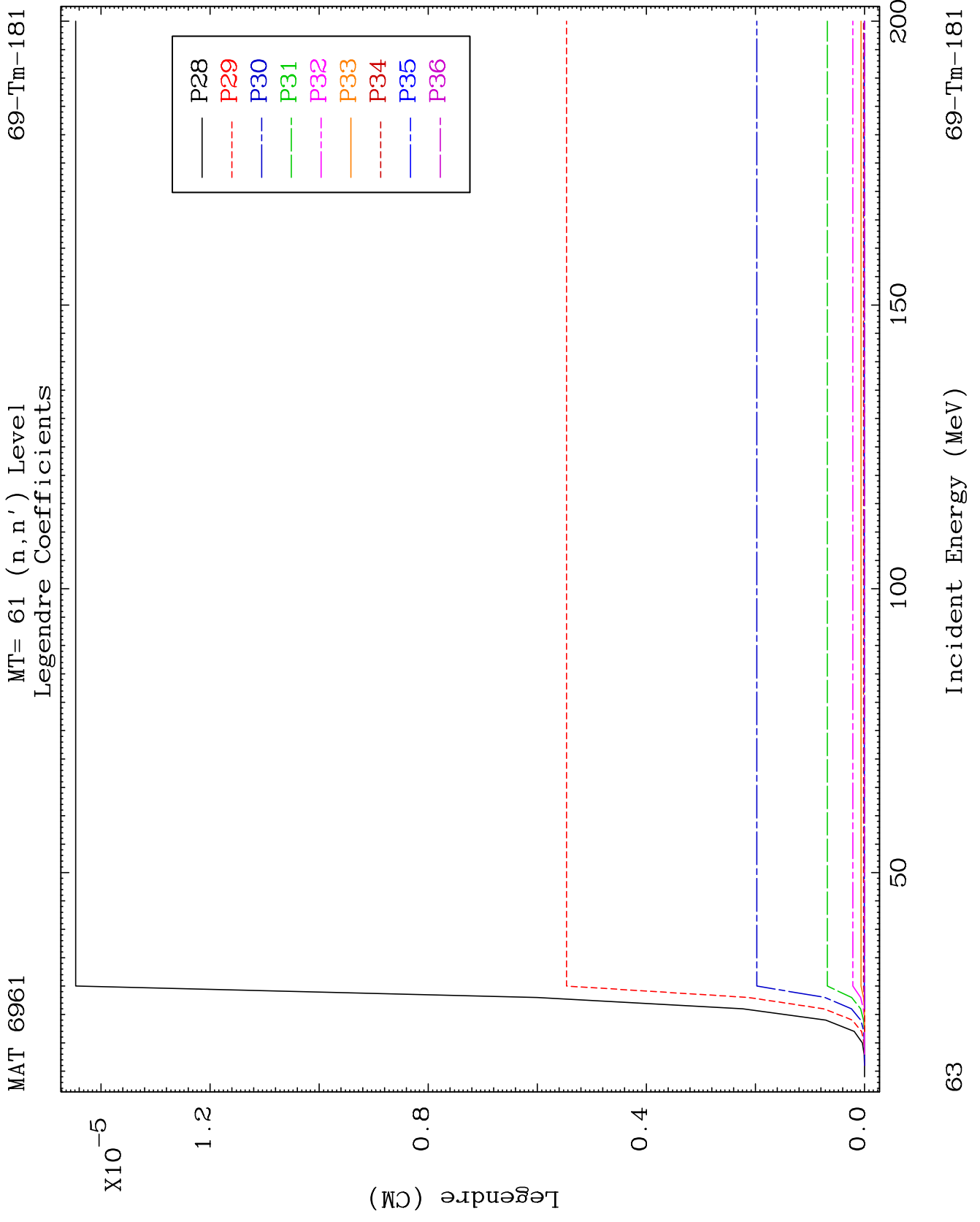
69-Tm-181

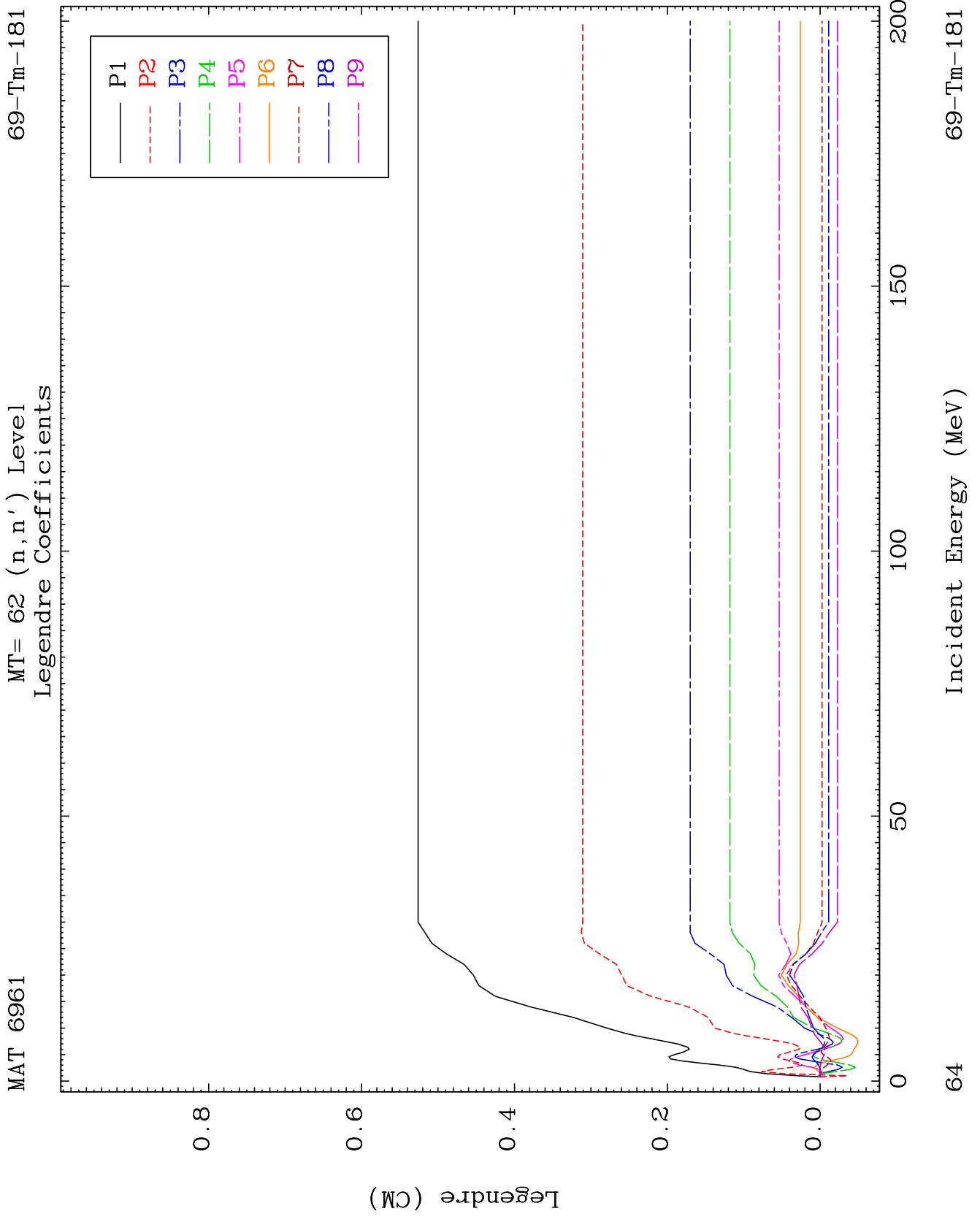


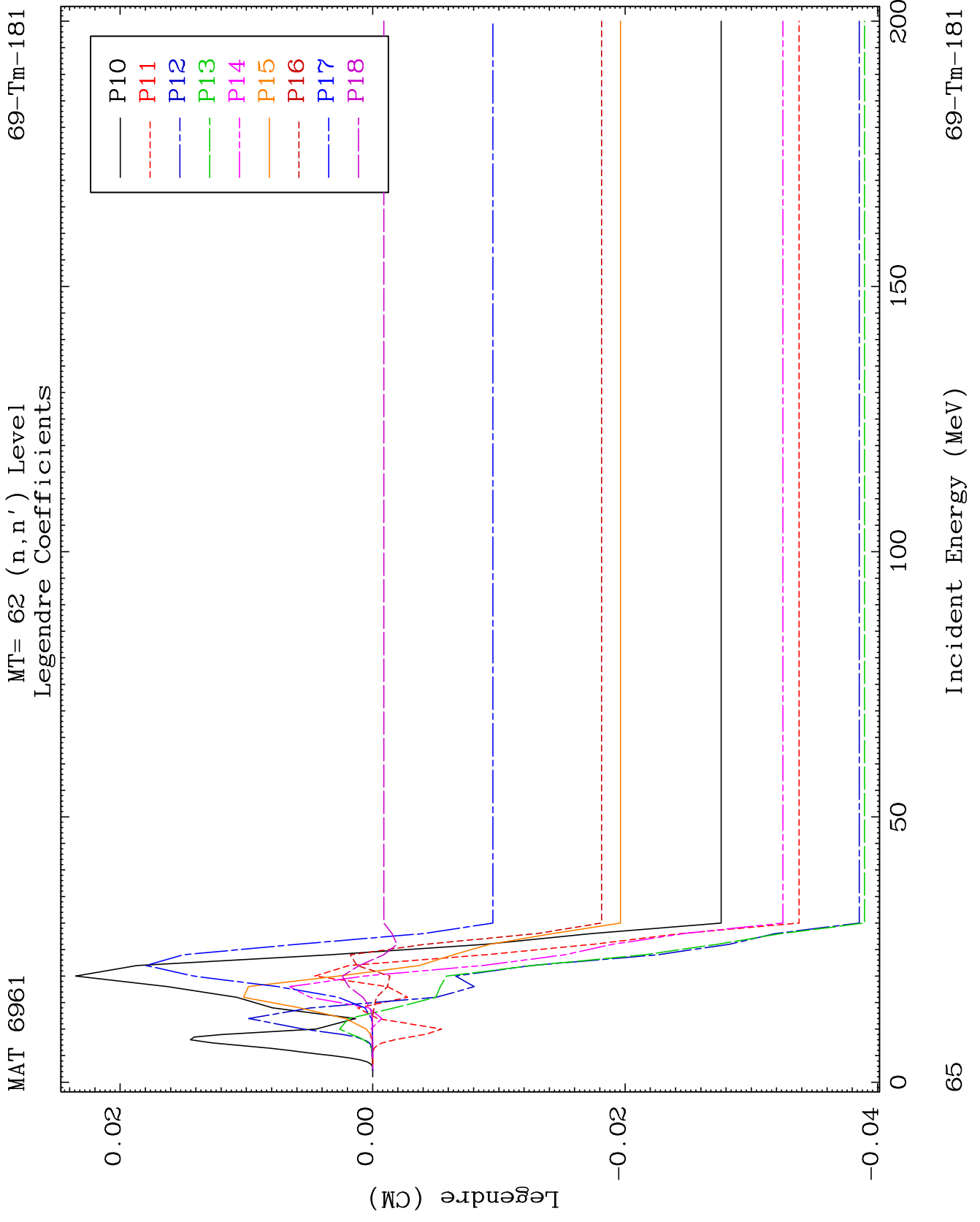
62

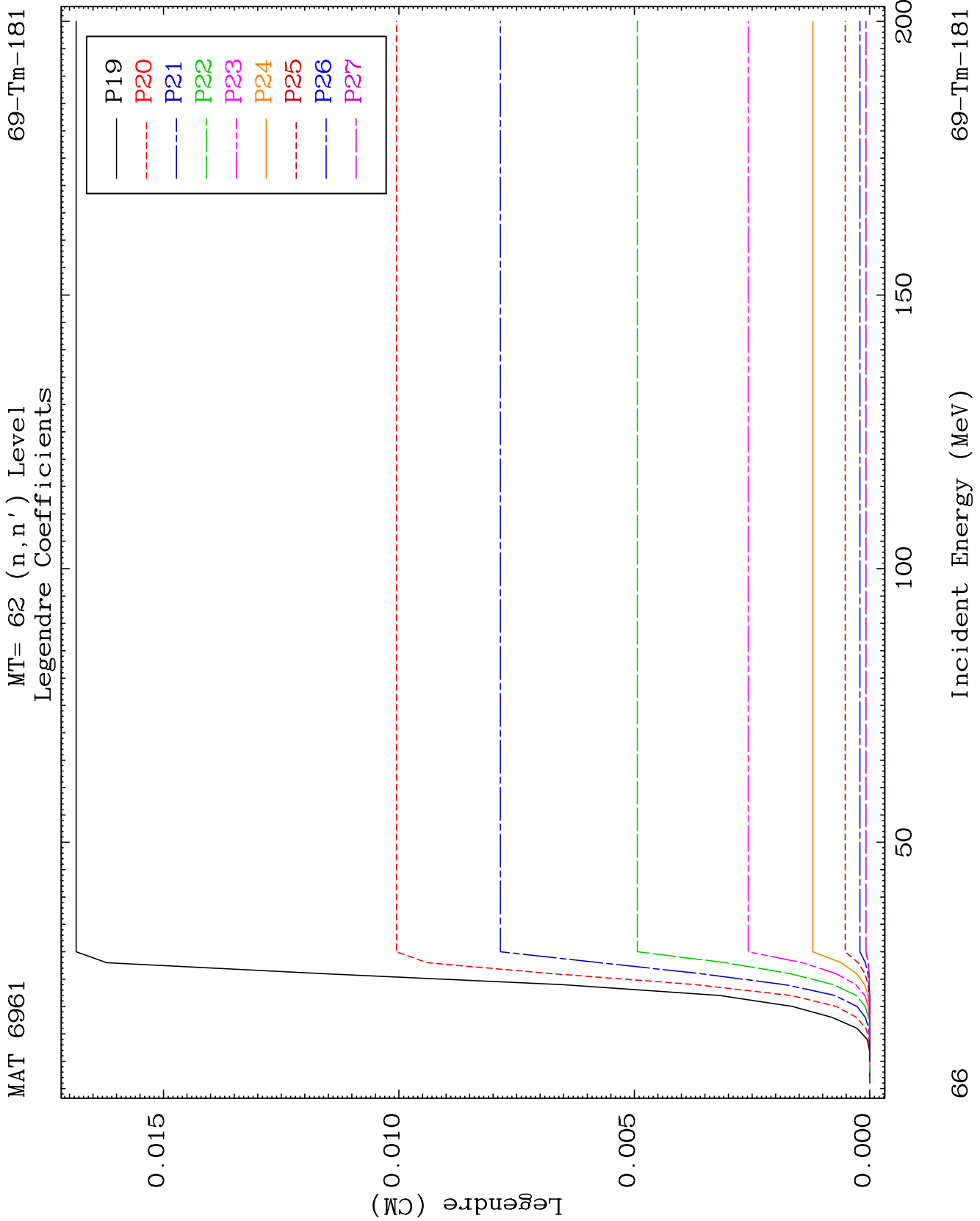
Incident Energy (MeV)

69-Tm-181





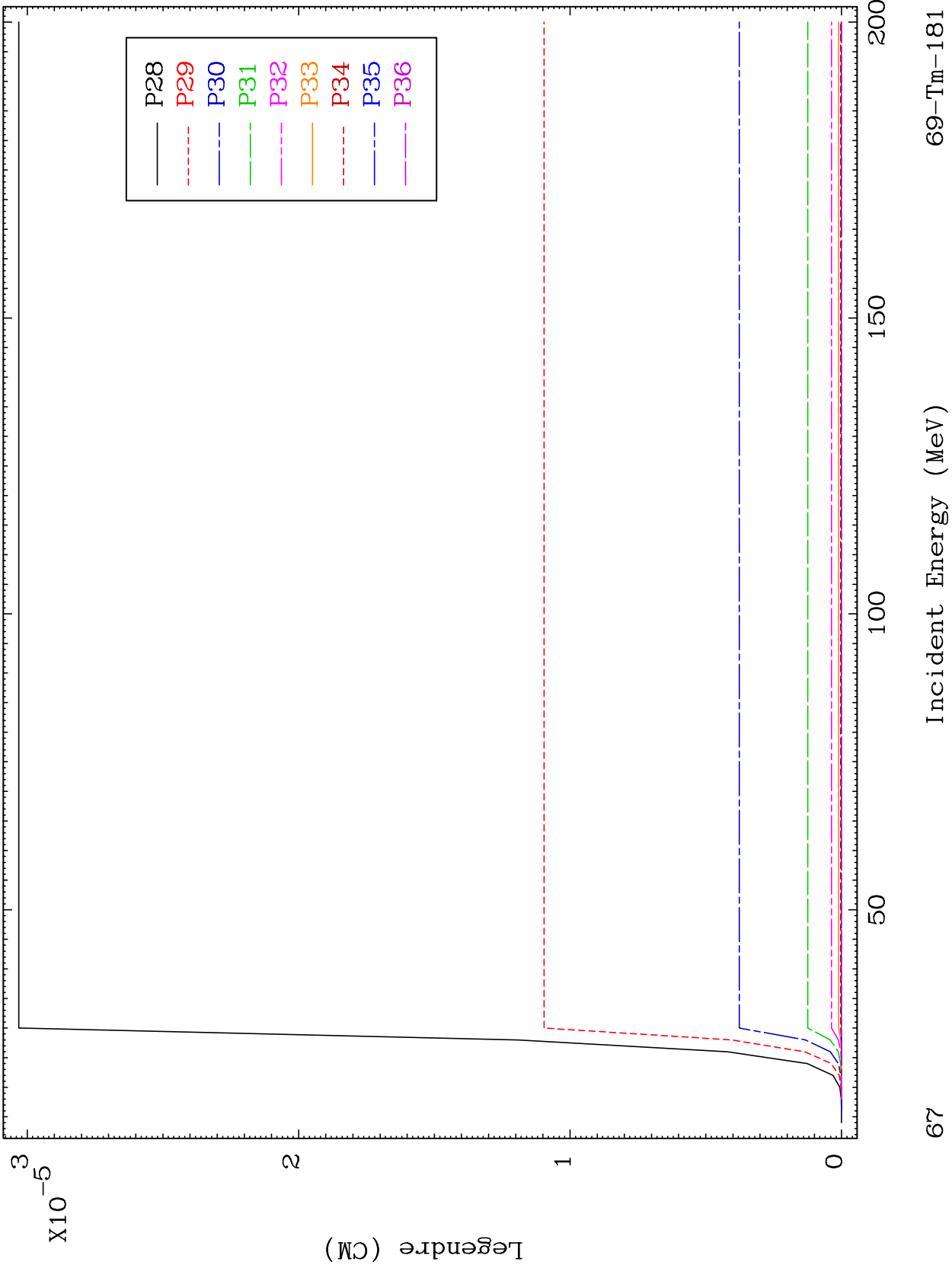




MAT 6961

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

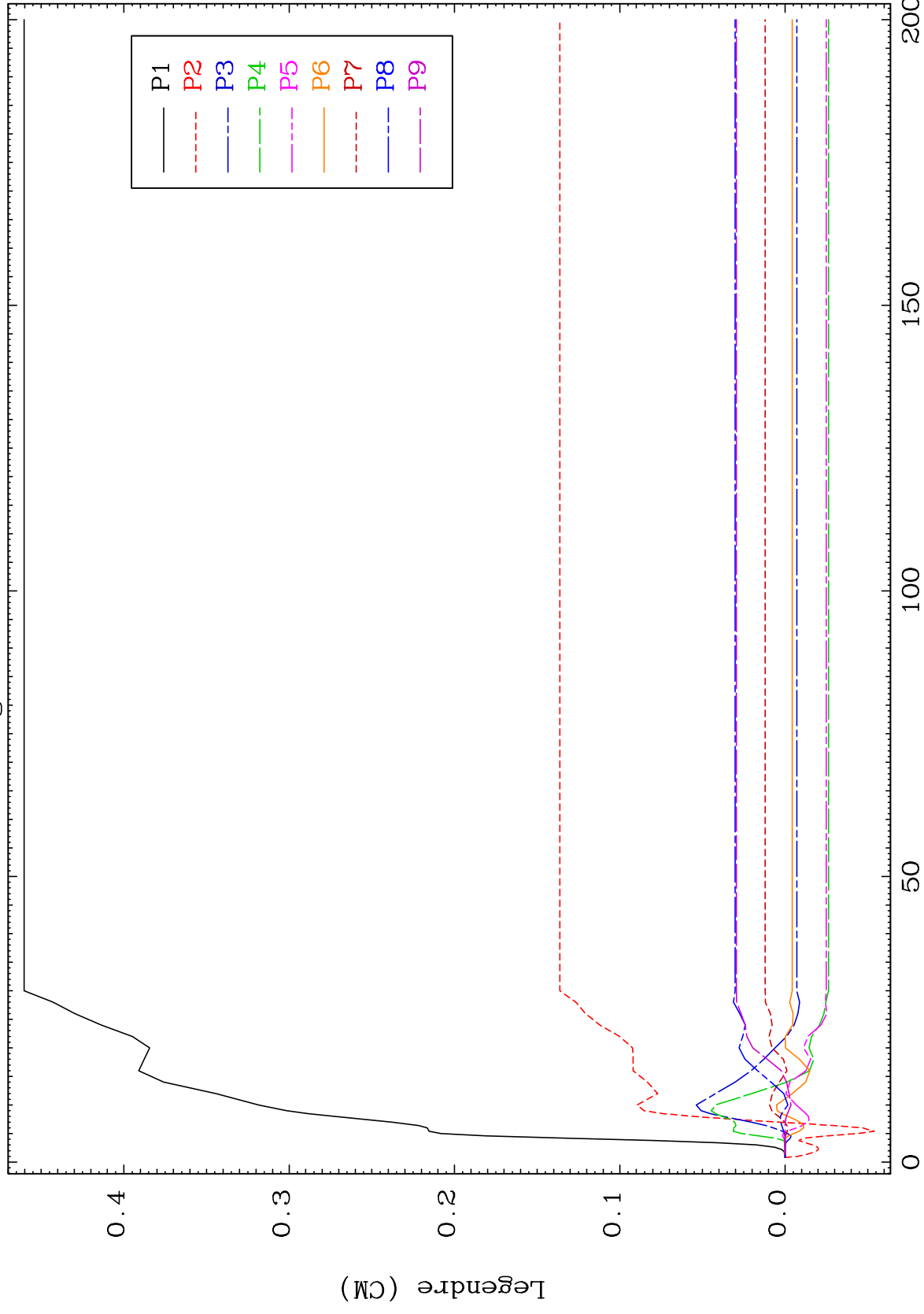
69-Tm-181



MAT 6961

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

69-Tm-181



68

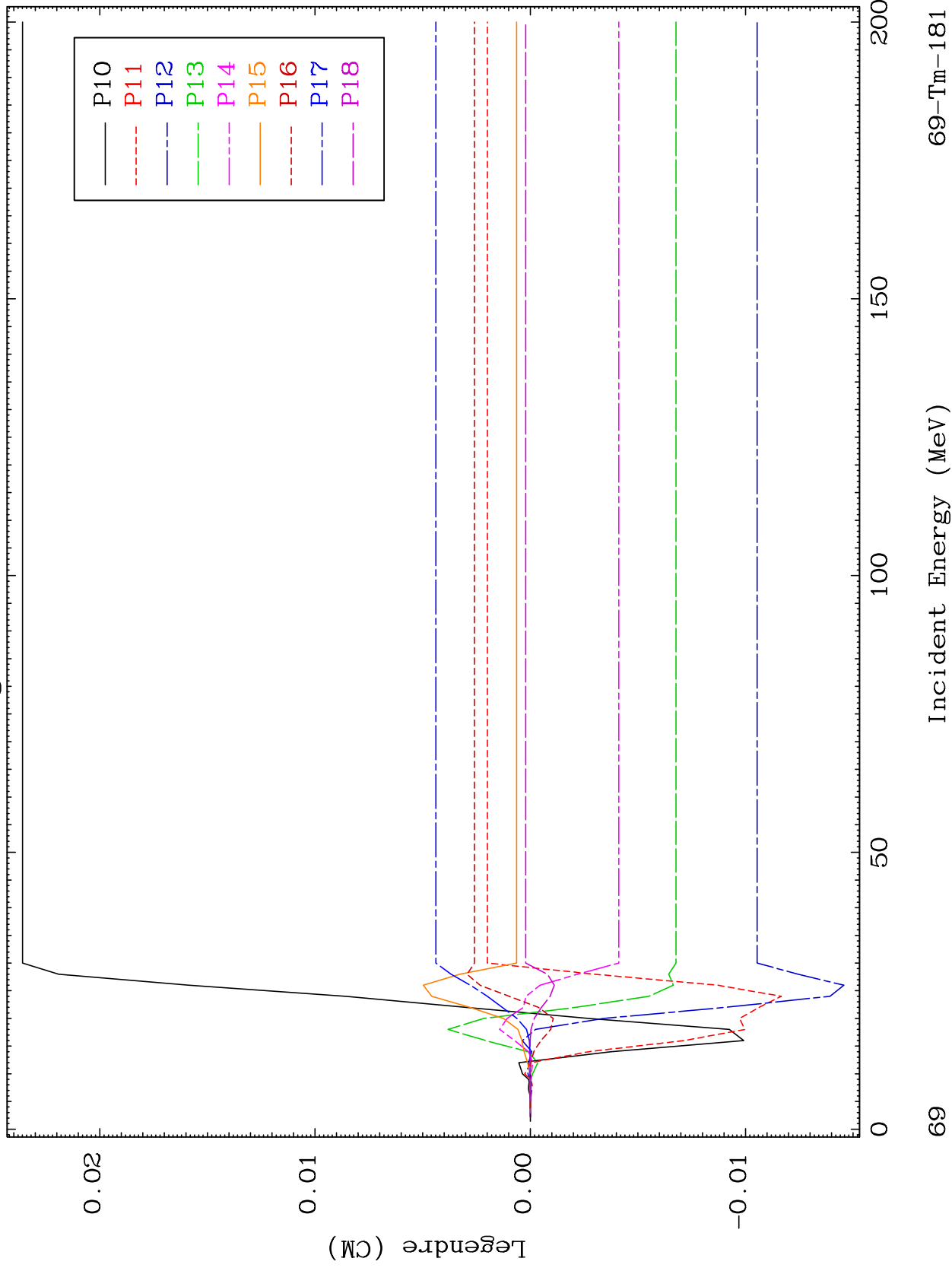
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

69-Tm-181



69

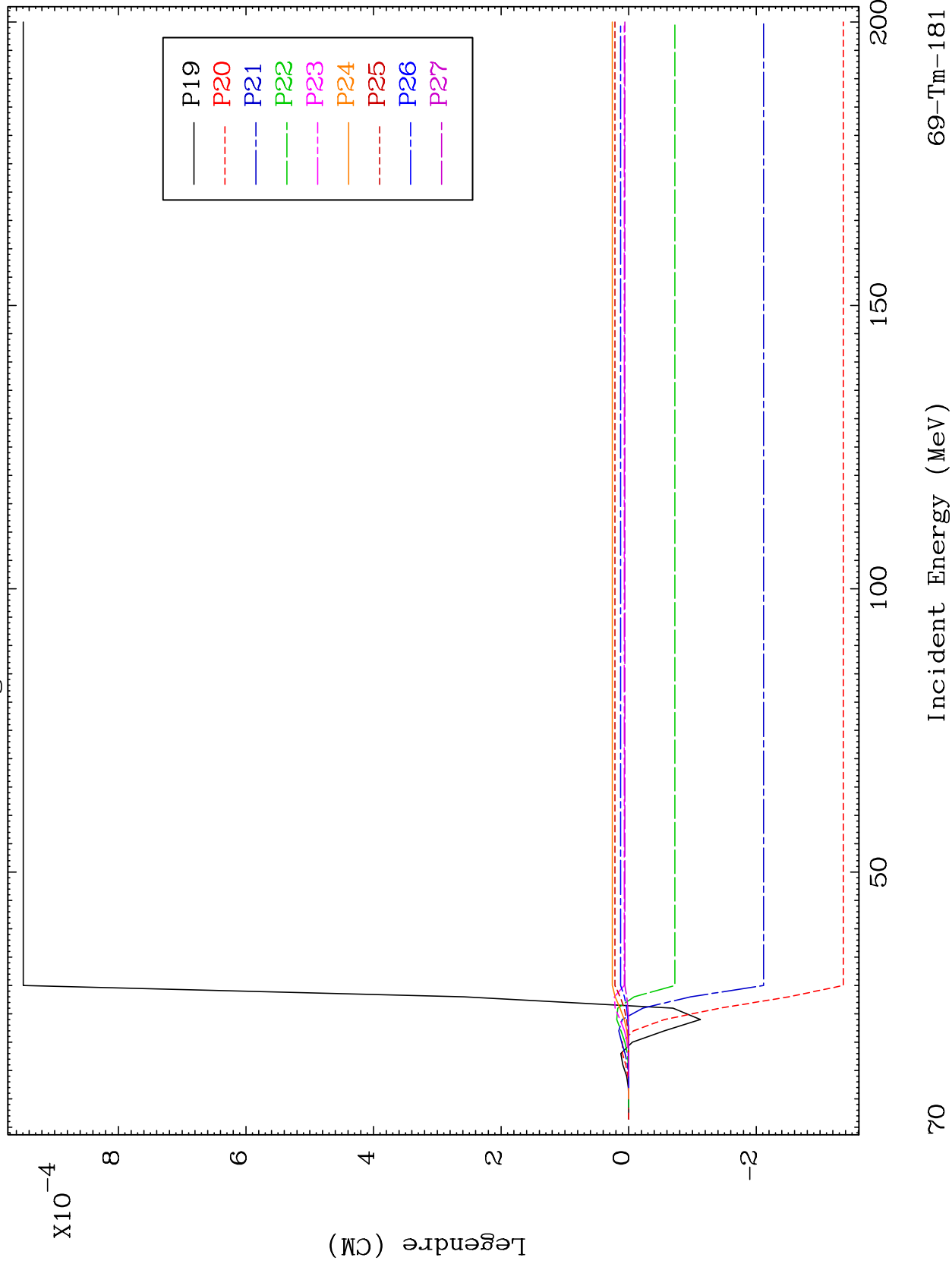
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

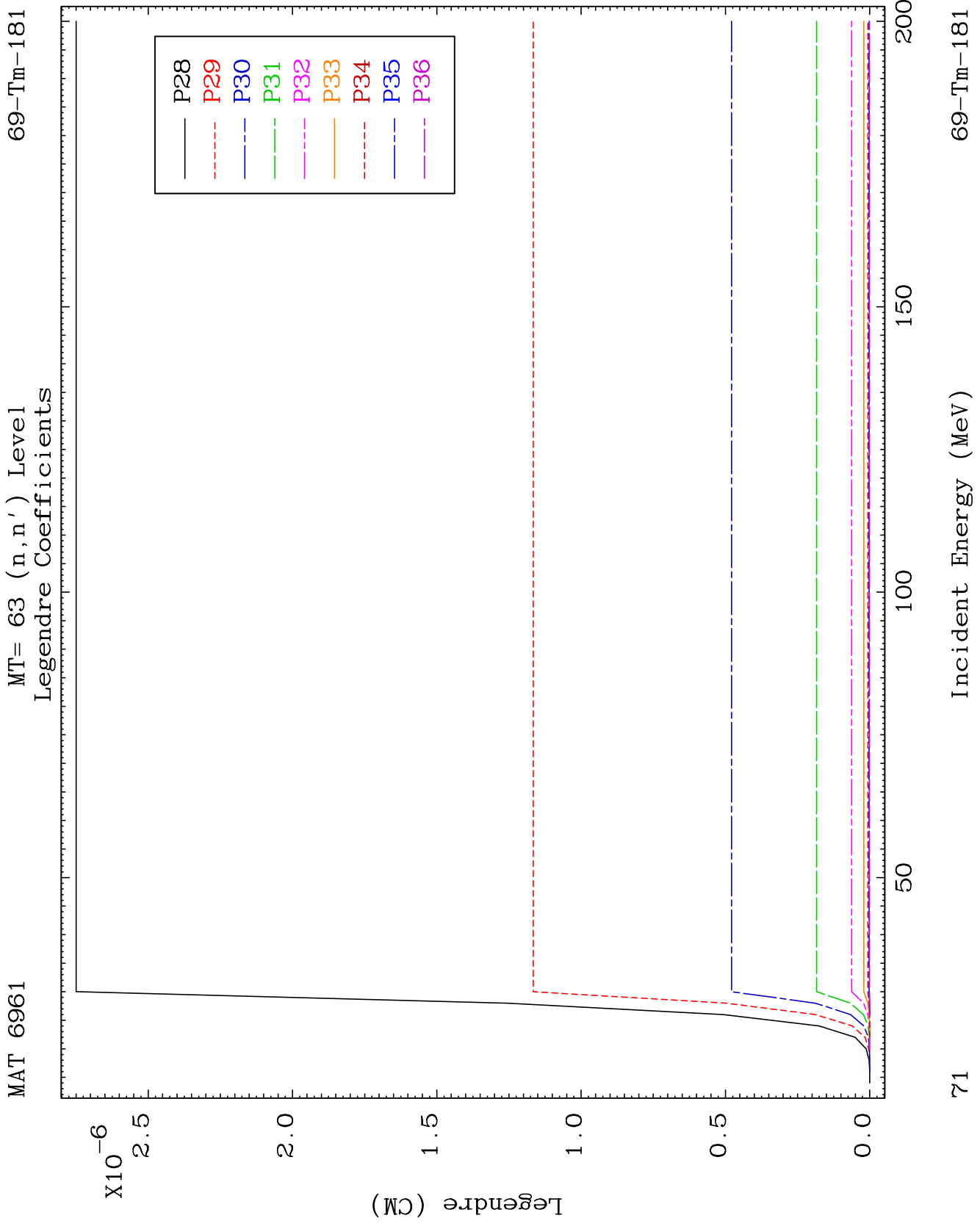
69-Tm-181



70

Incident Energy (MeV)

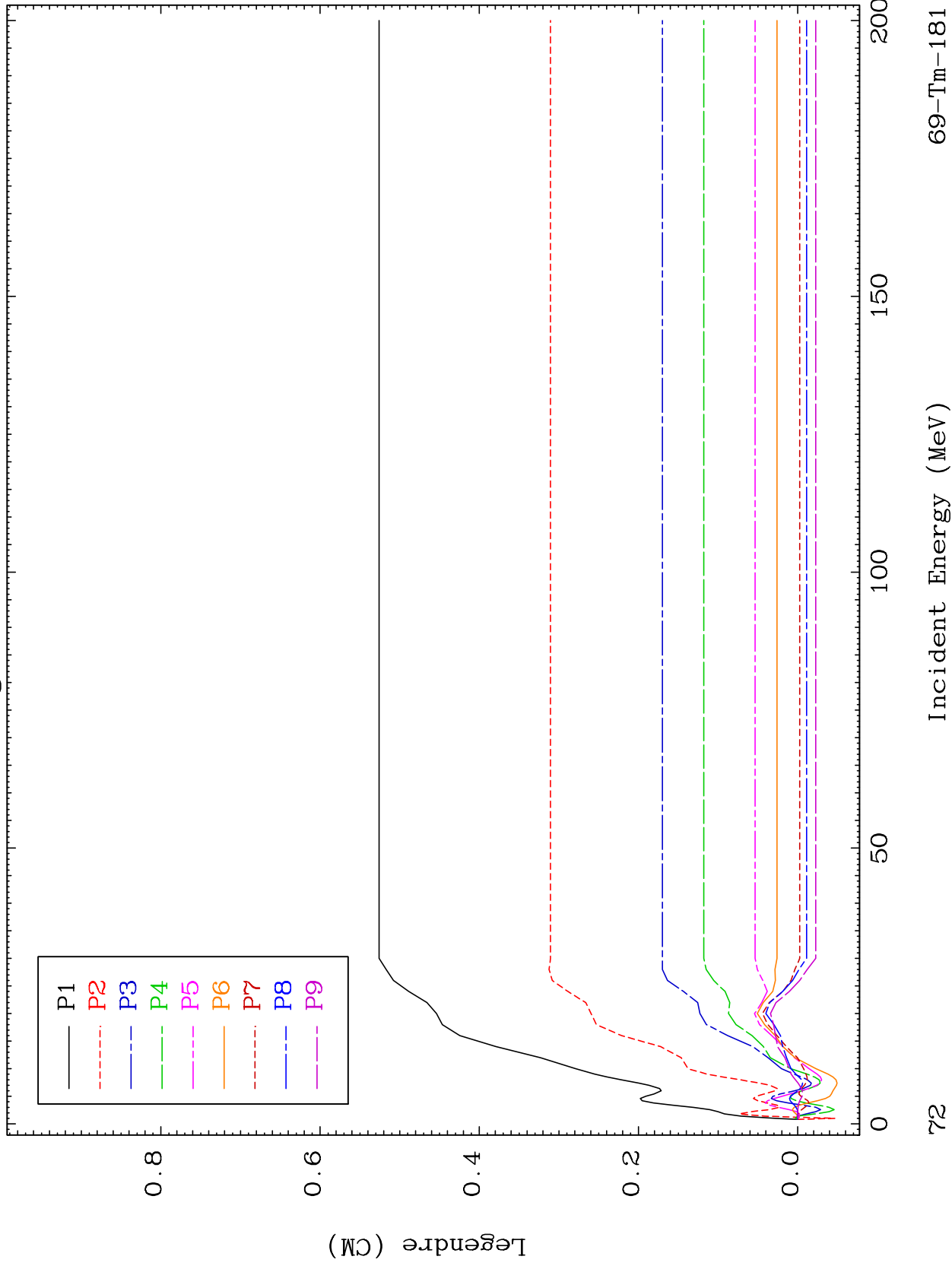
69-Tm-181



MAT 6961

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

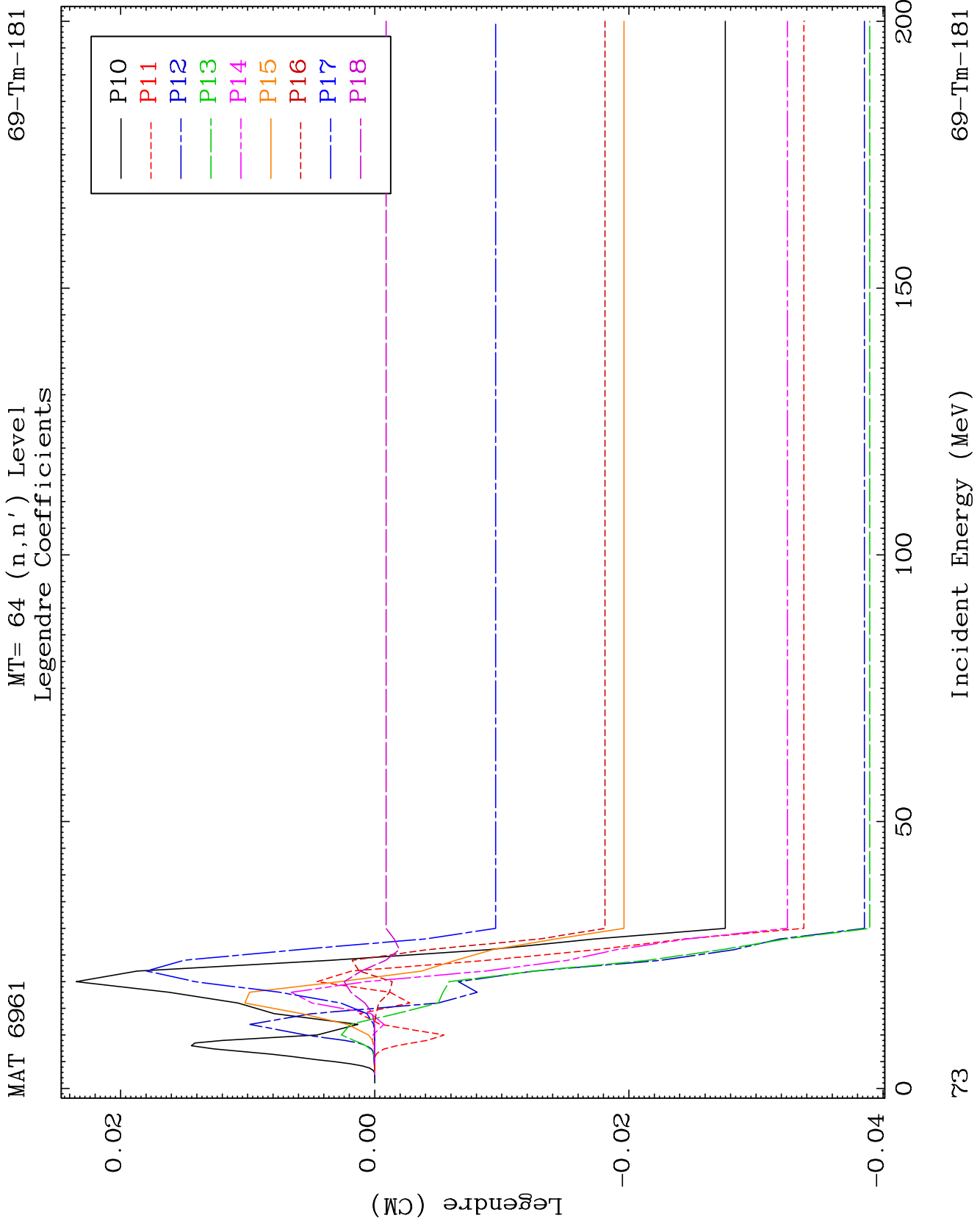
69-Tm-181

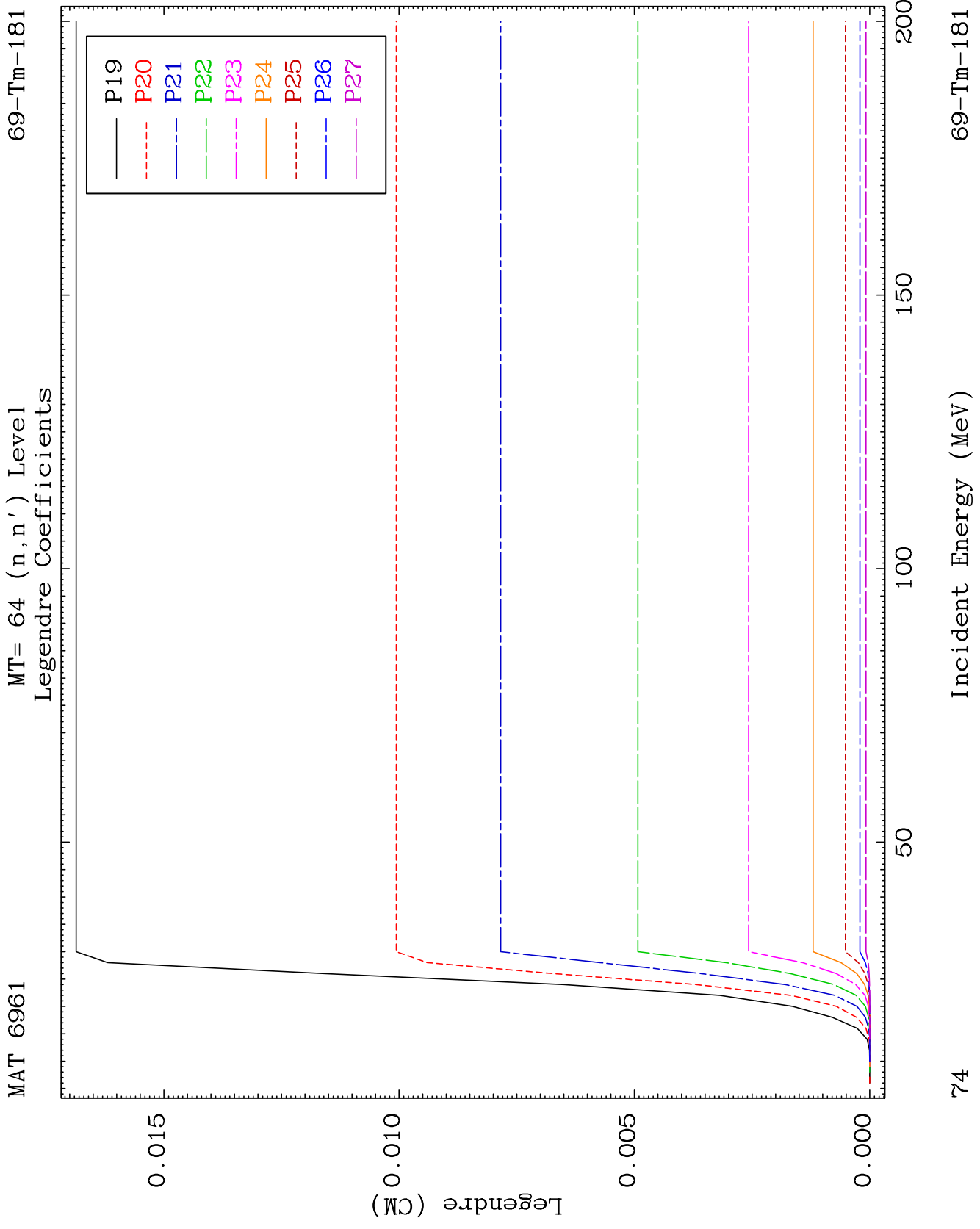


72

Incident Energy (MeV)

69-Tm-181

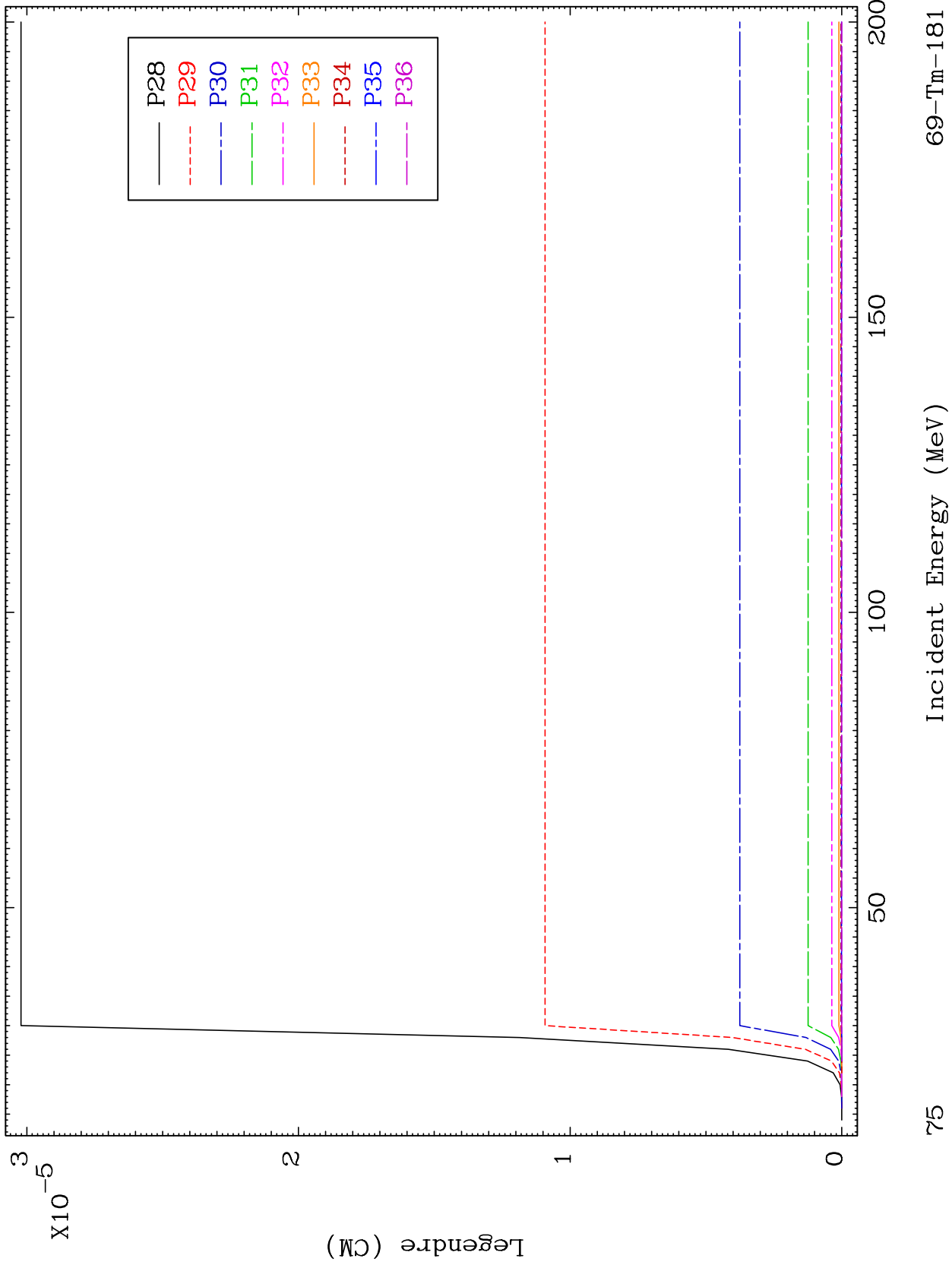




MAT 6961

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

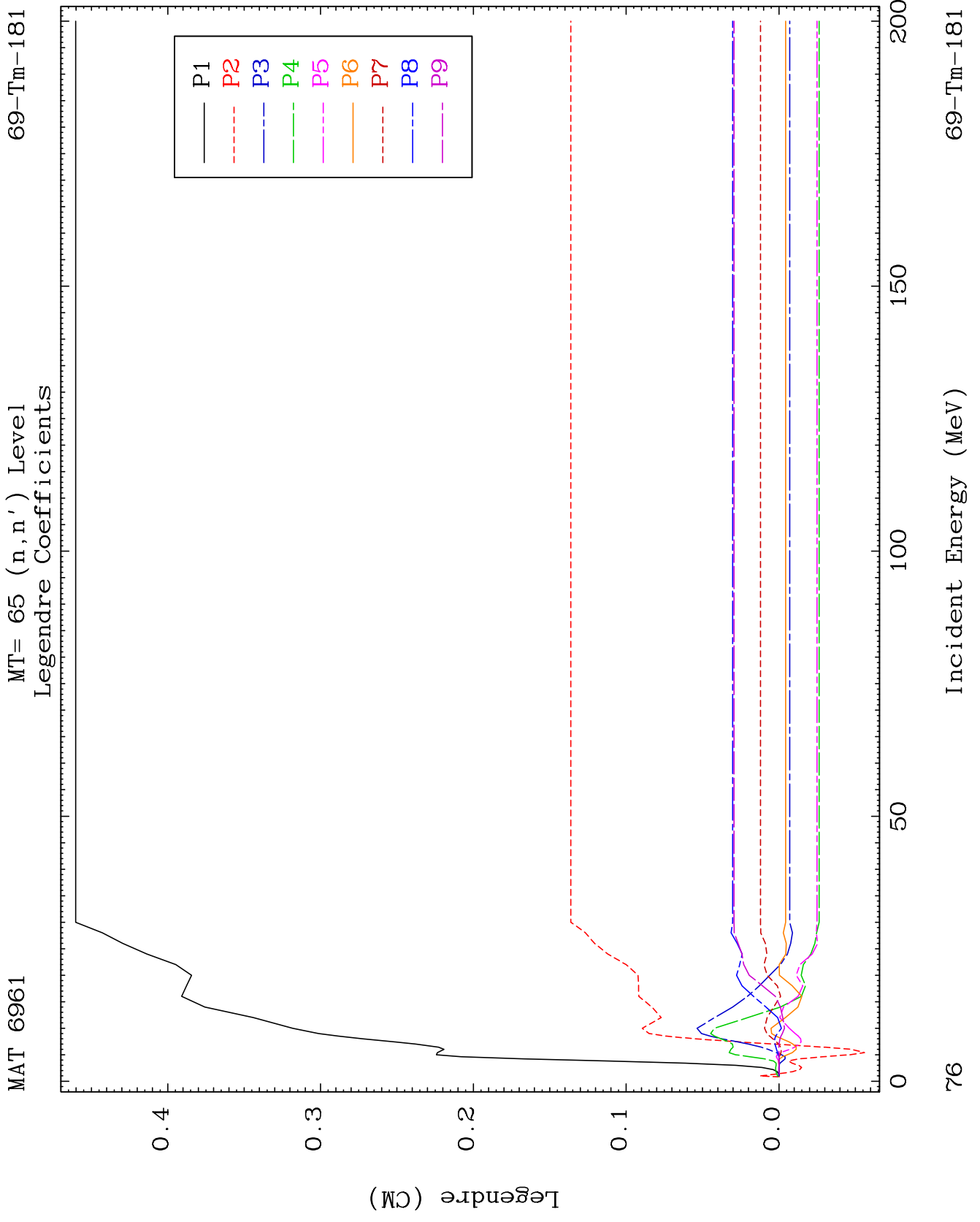
69-Tm-181



75

Incident Energy (MeV)

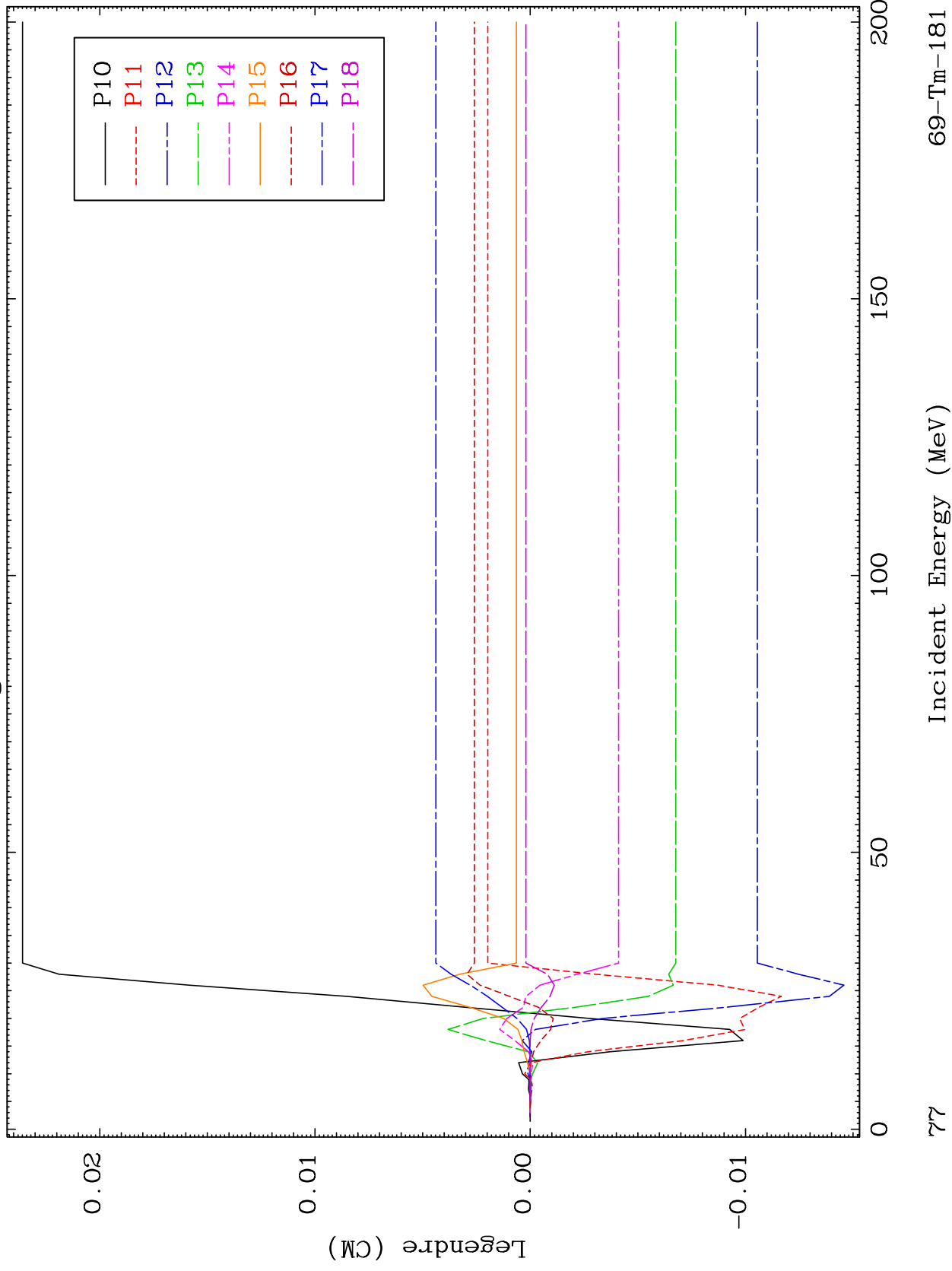
69-Tm-181



MAT 6961

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

69-Tm-181



77

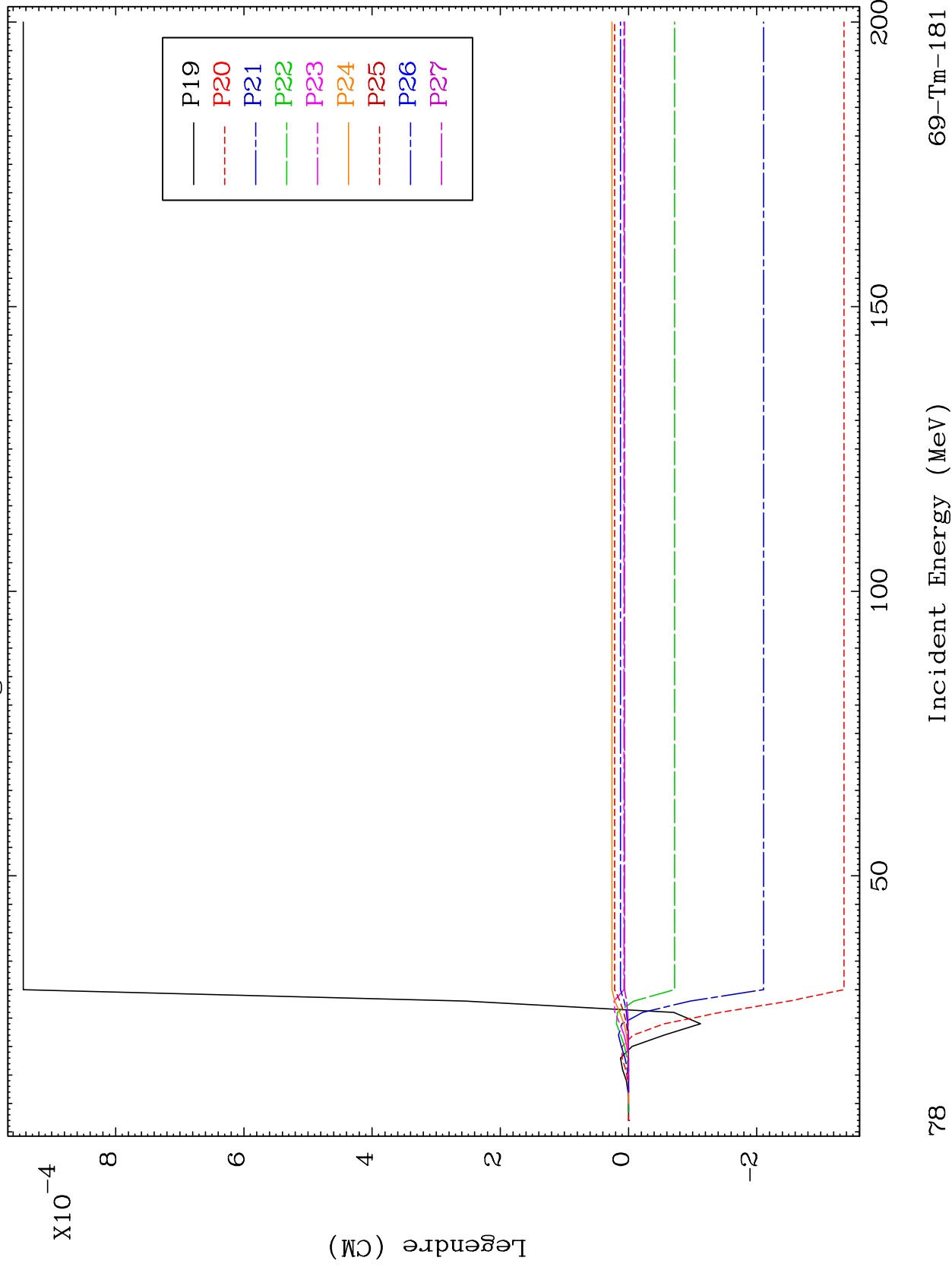
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

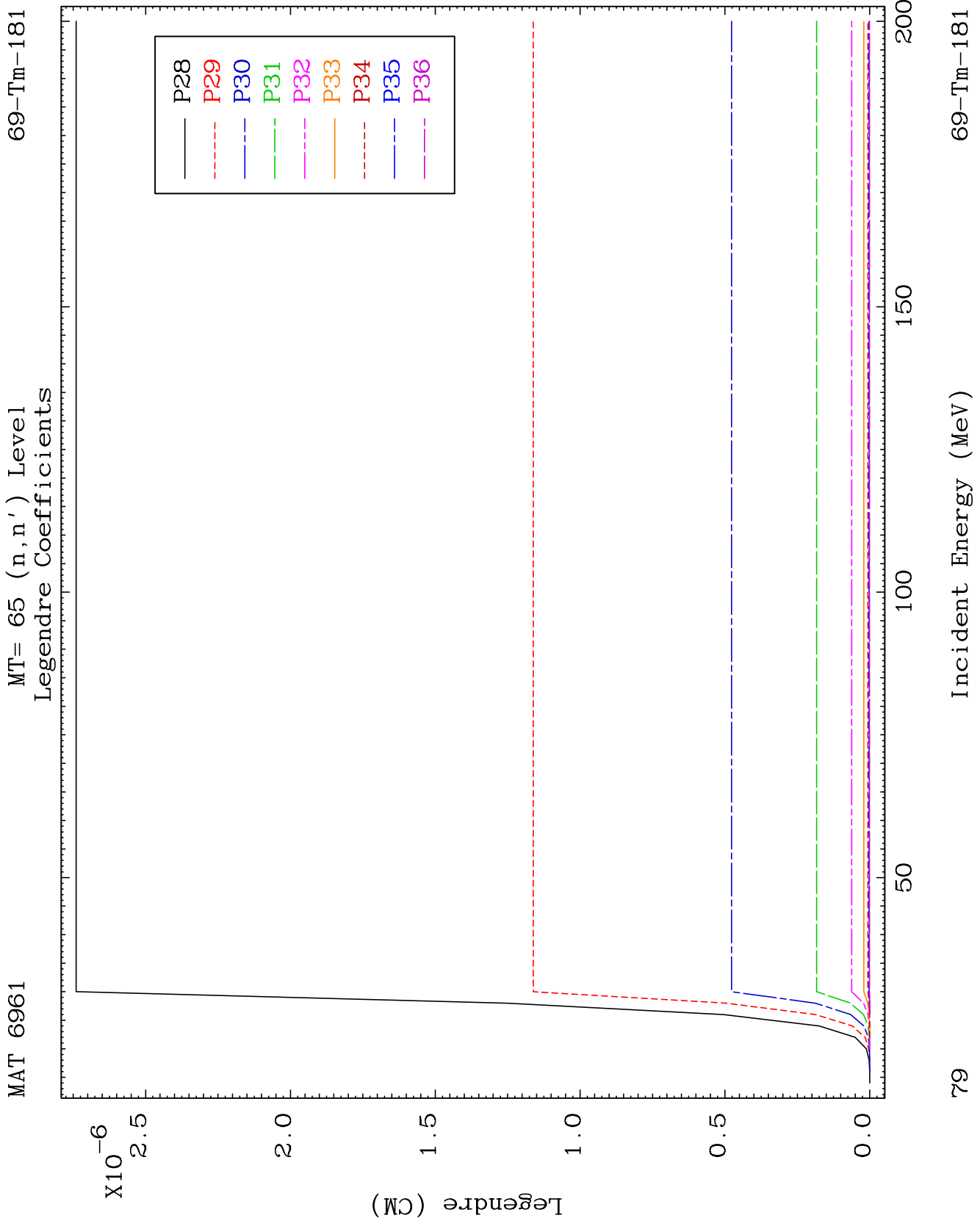
69-Tm-181



78

Incident Energy (MeV)

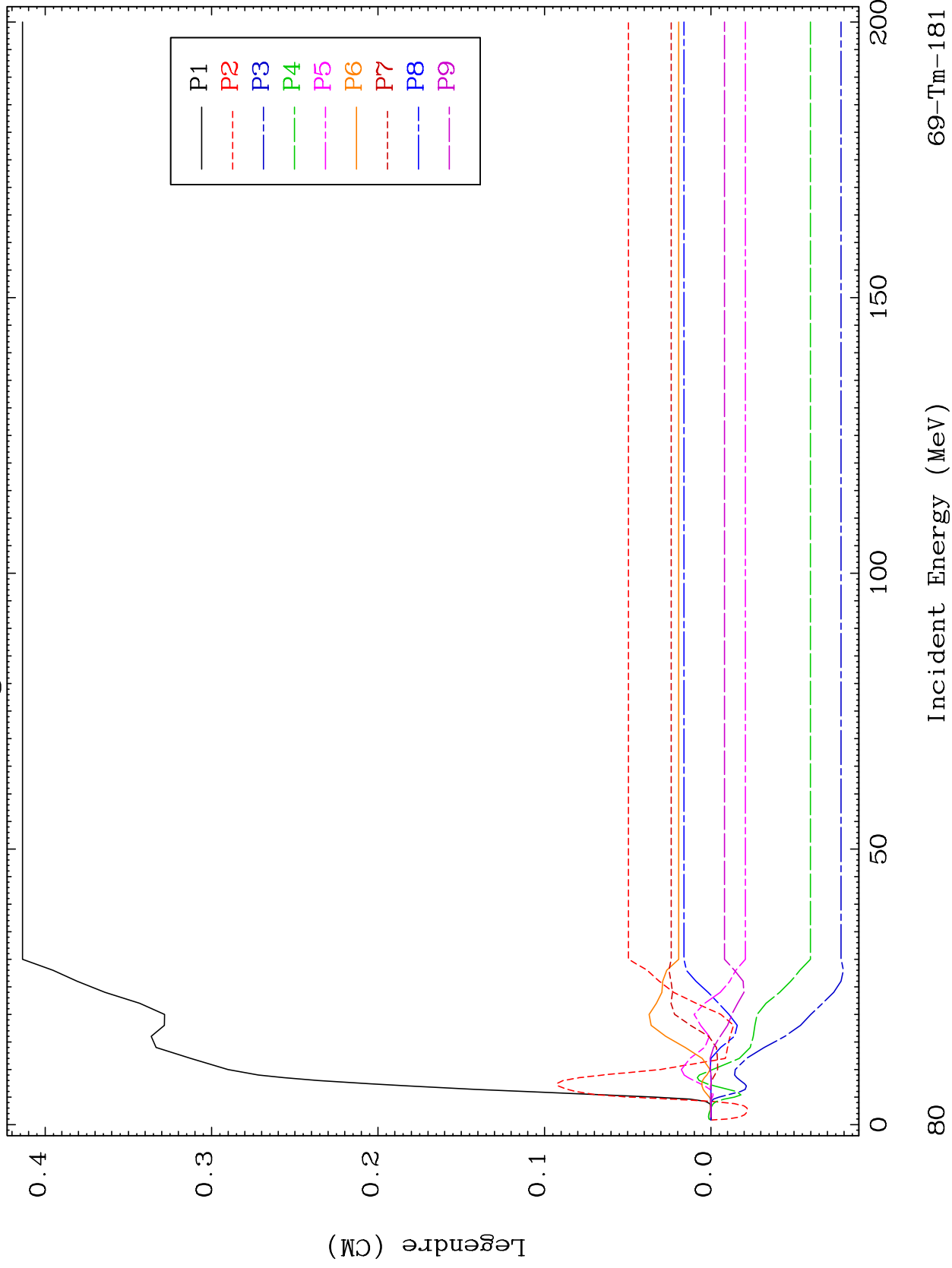
69-Tm-181



MAT 6961

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

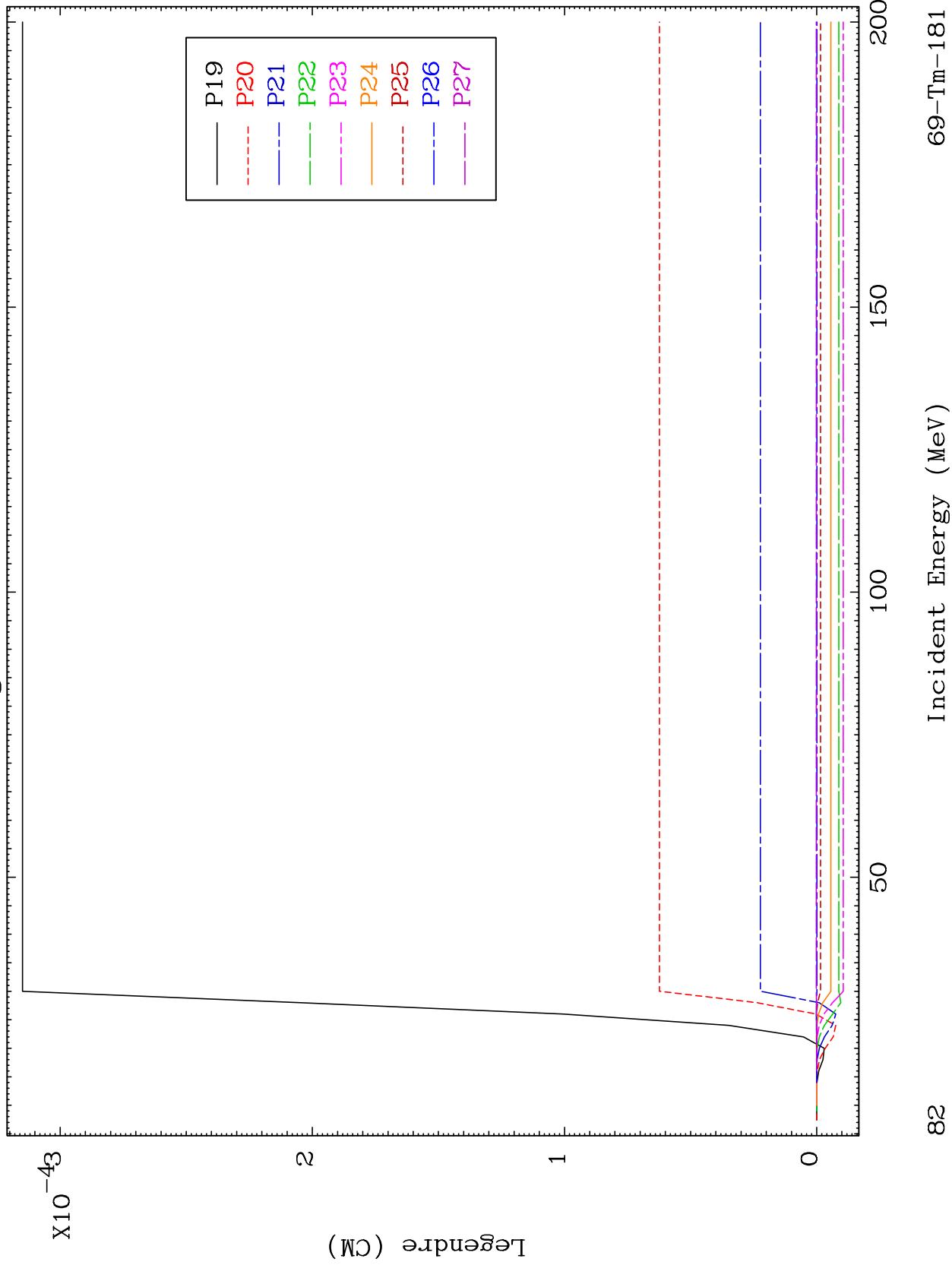
69-Tm-181



MAT 6961

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

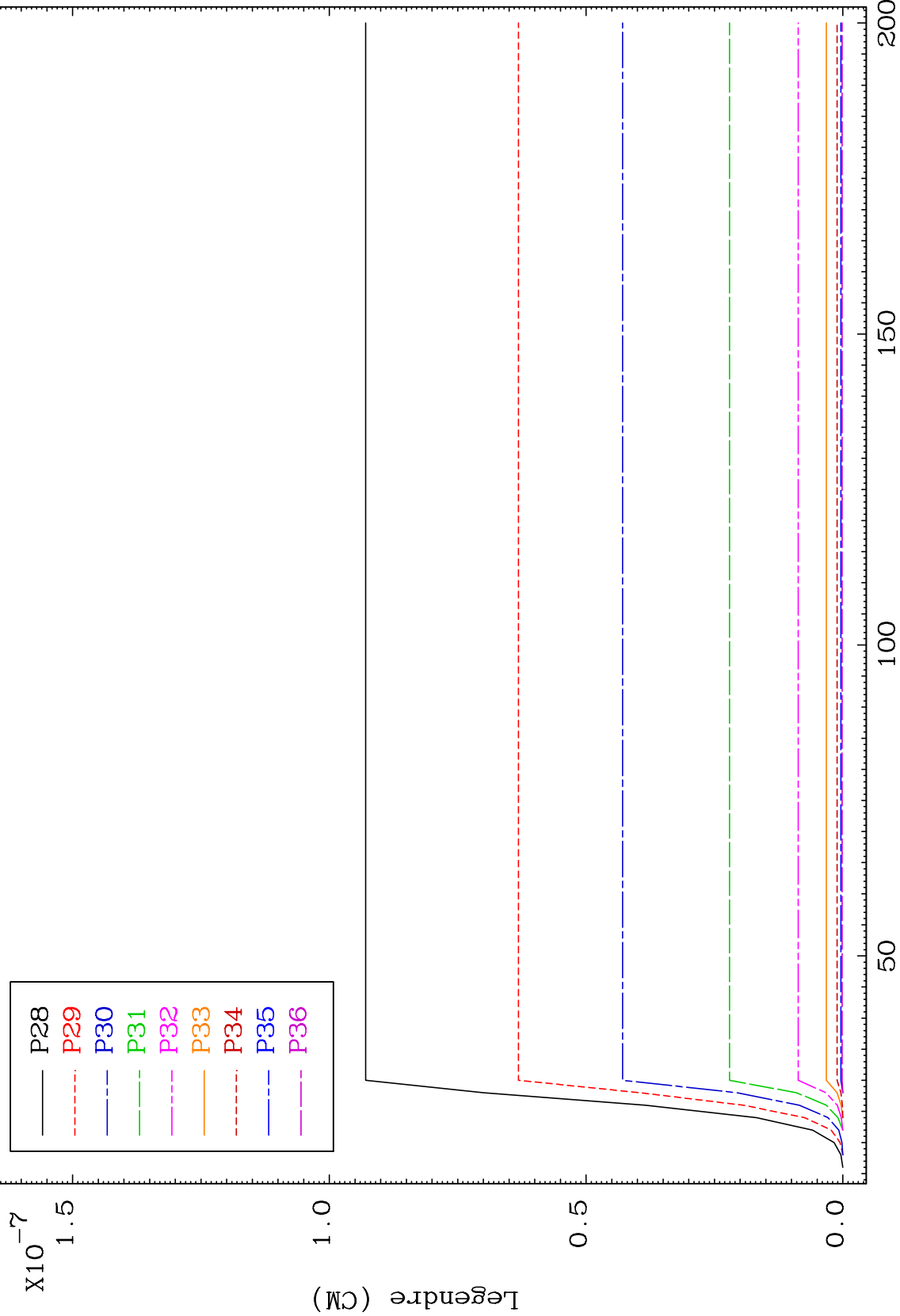
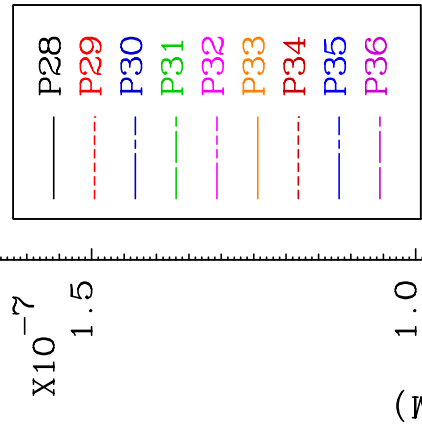
69-Tm-181



MAT 6961

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

69-Tm-181



83

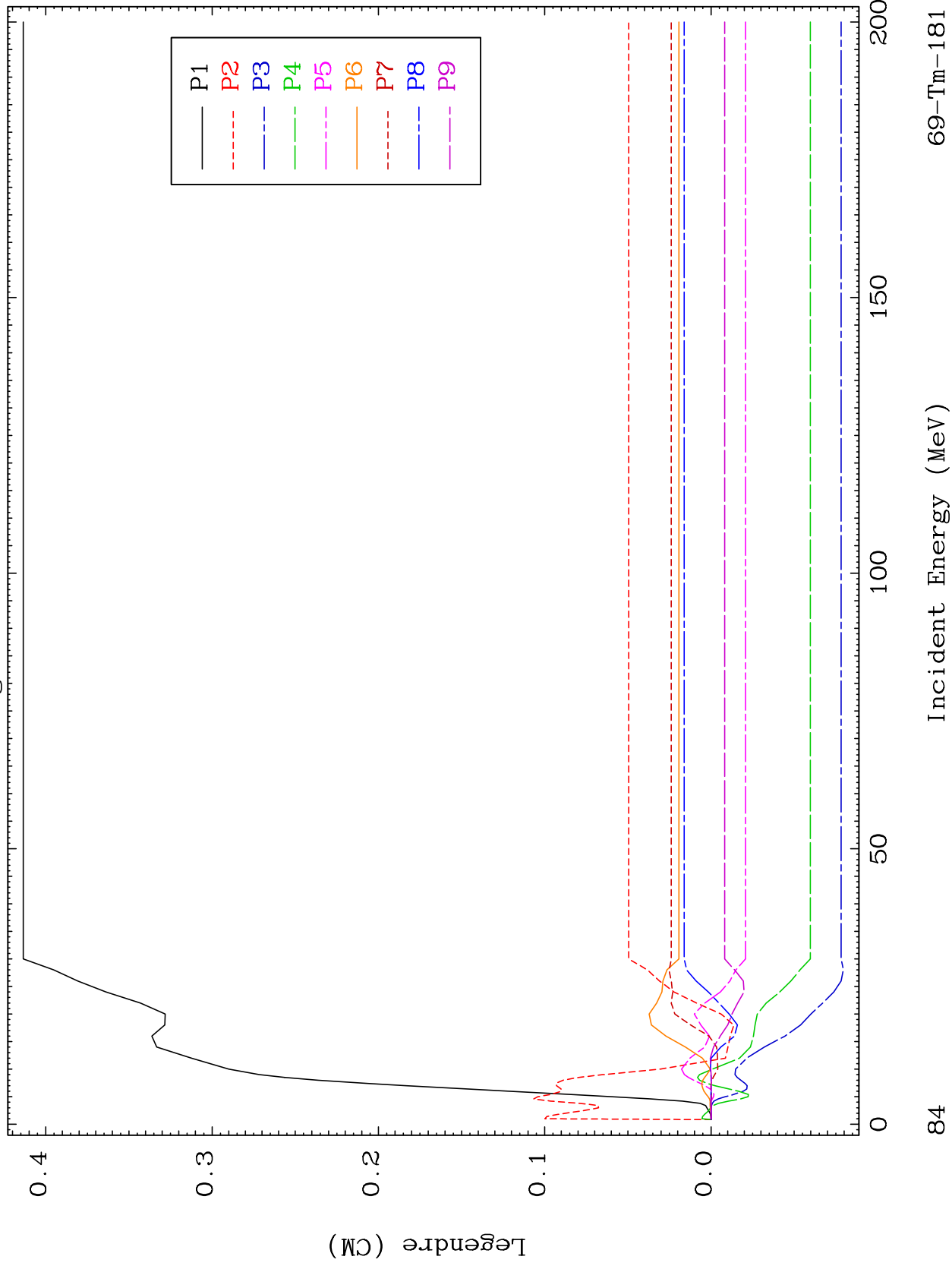
69-Tm-181

Incident Energy (MeV)

MAT 6961

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

69-Tm-181



69-Tm-181

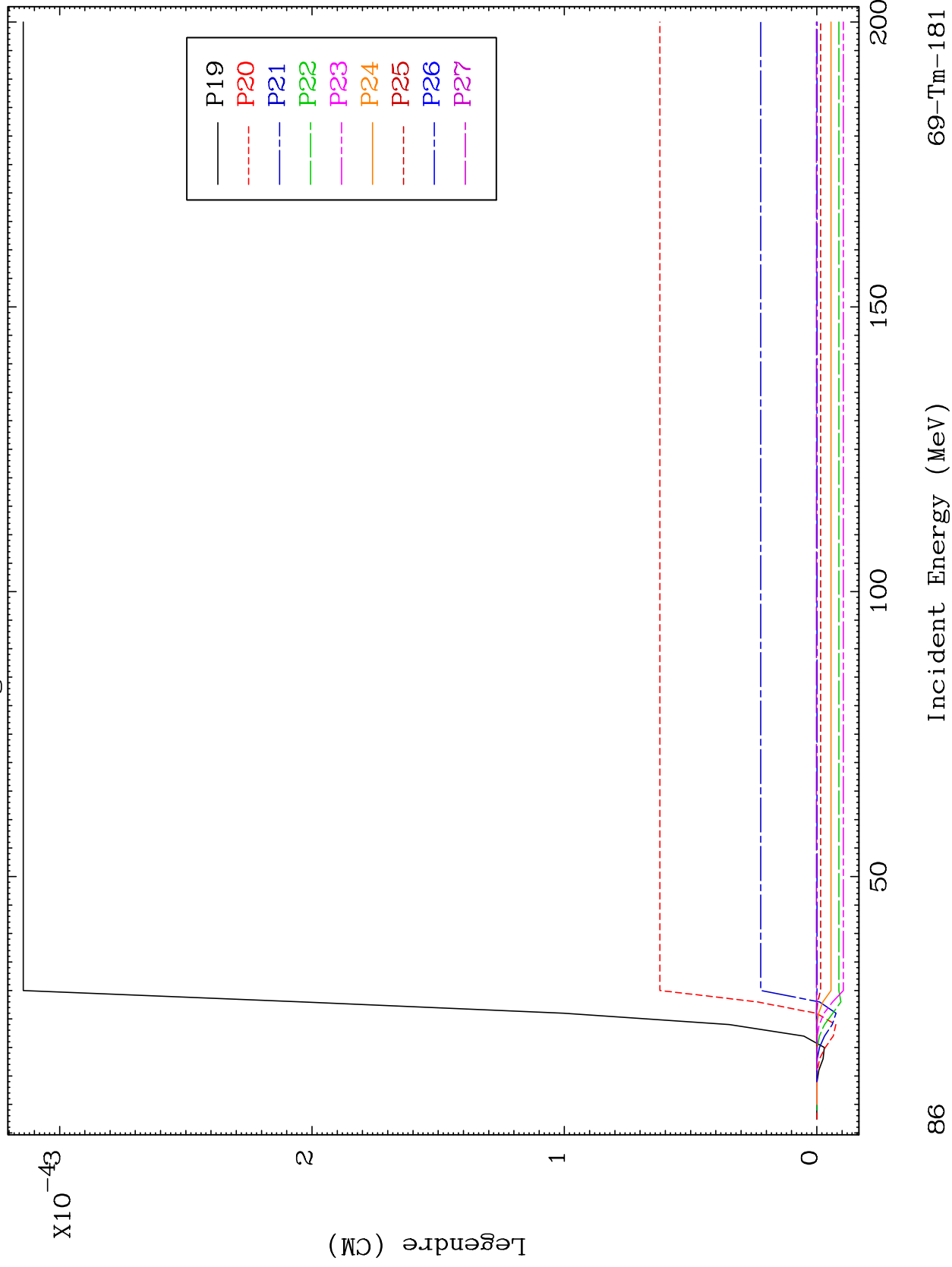
Incident Energy (MeV)

84

MAT 6961

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

69-Tm-181



86

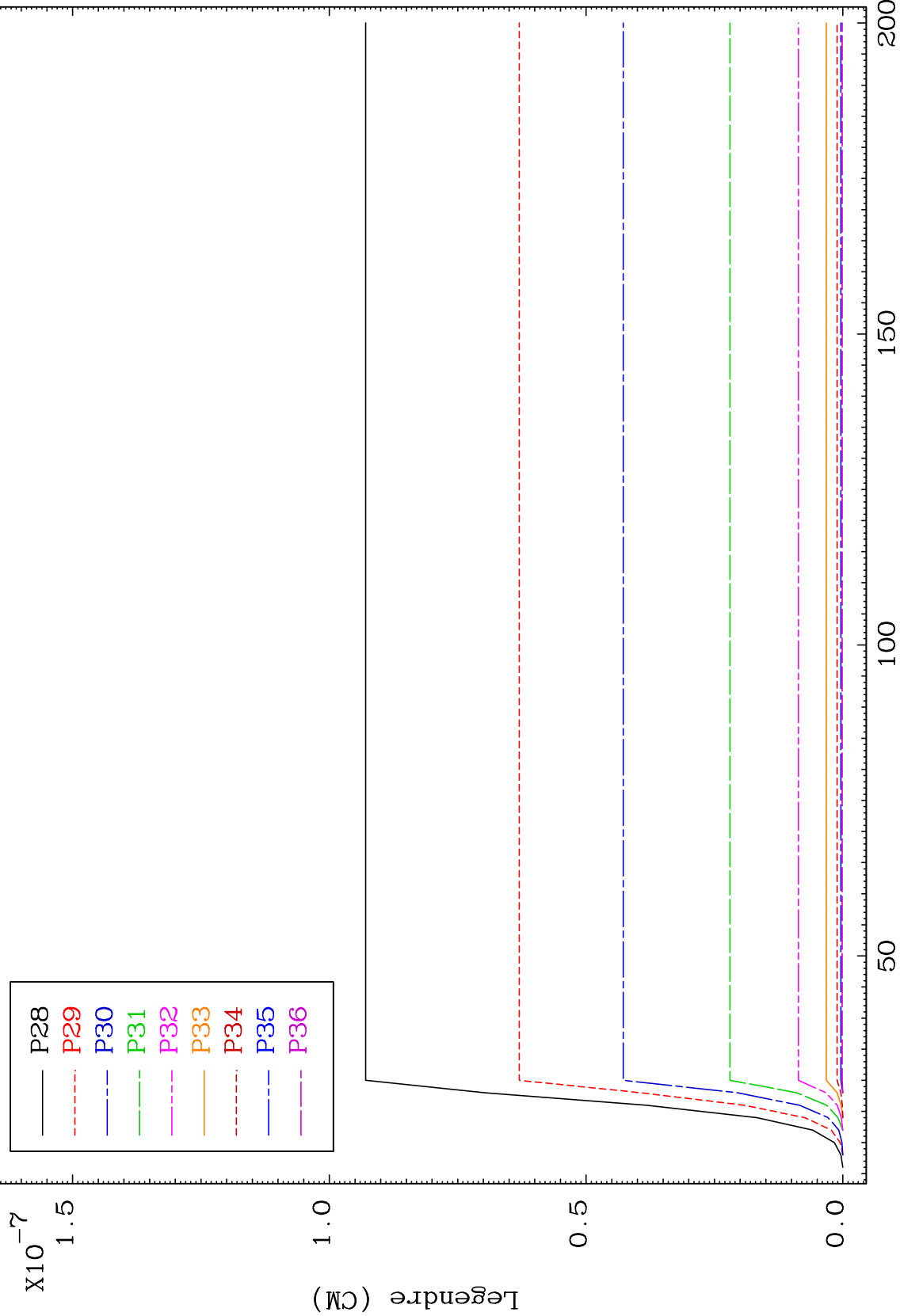
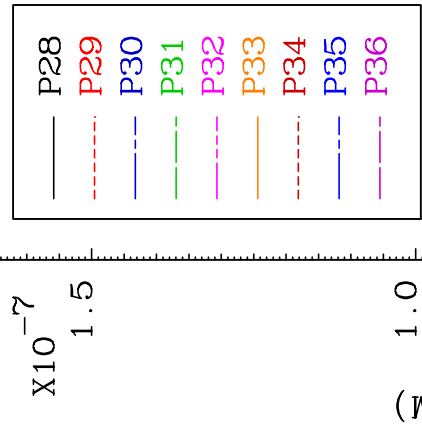
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

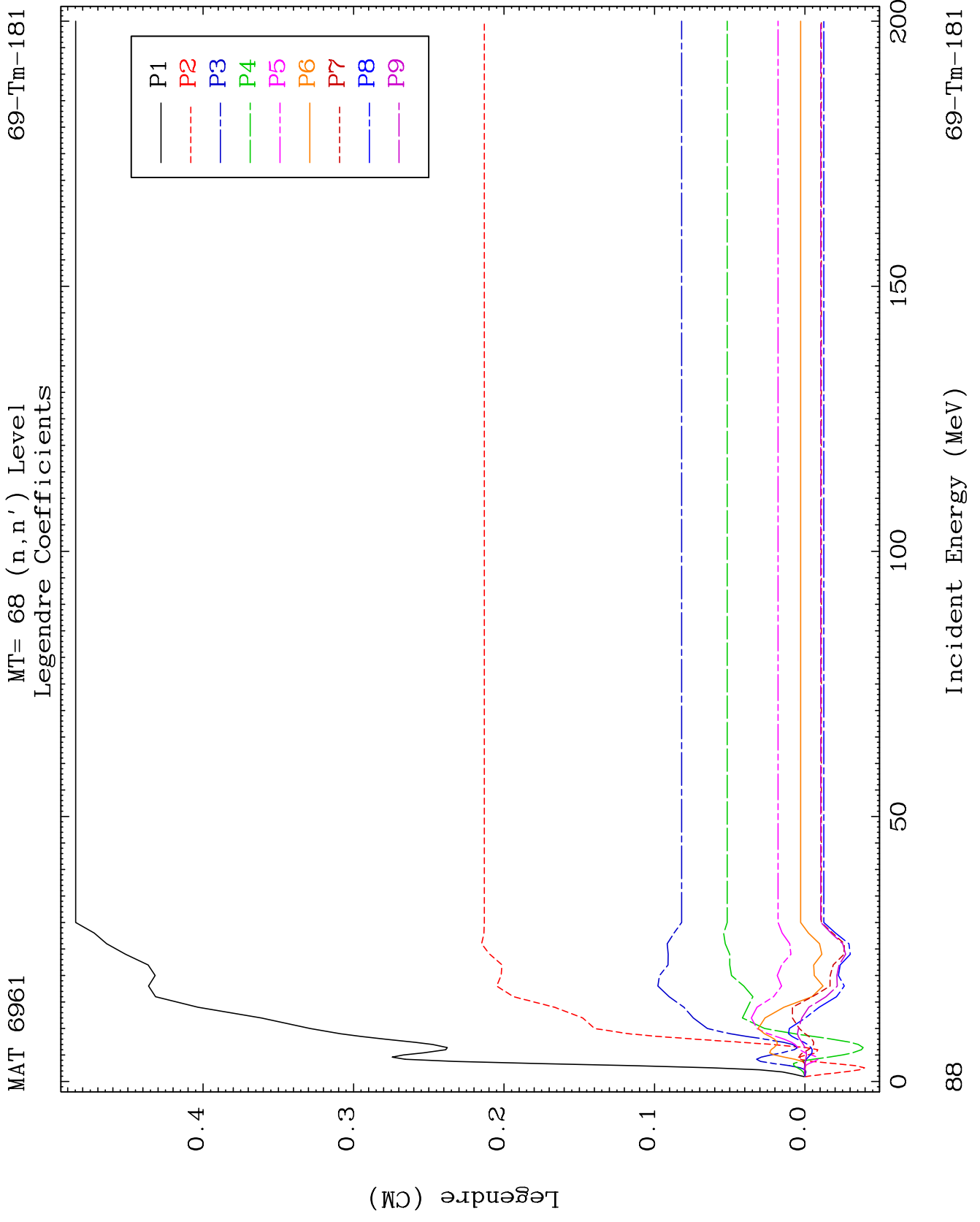
69-Tm-181

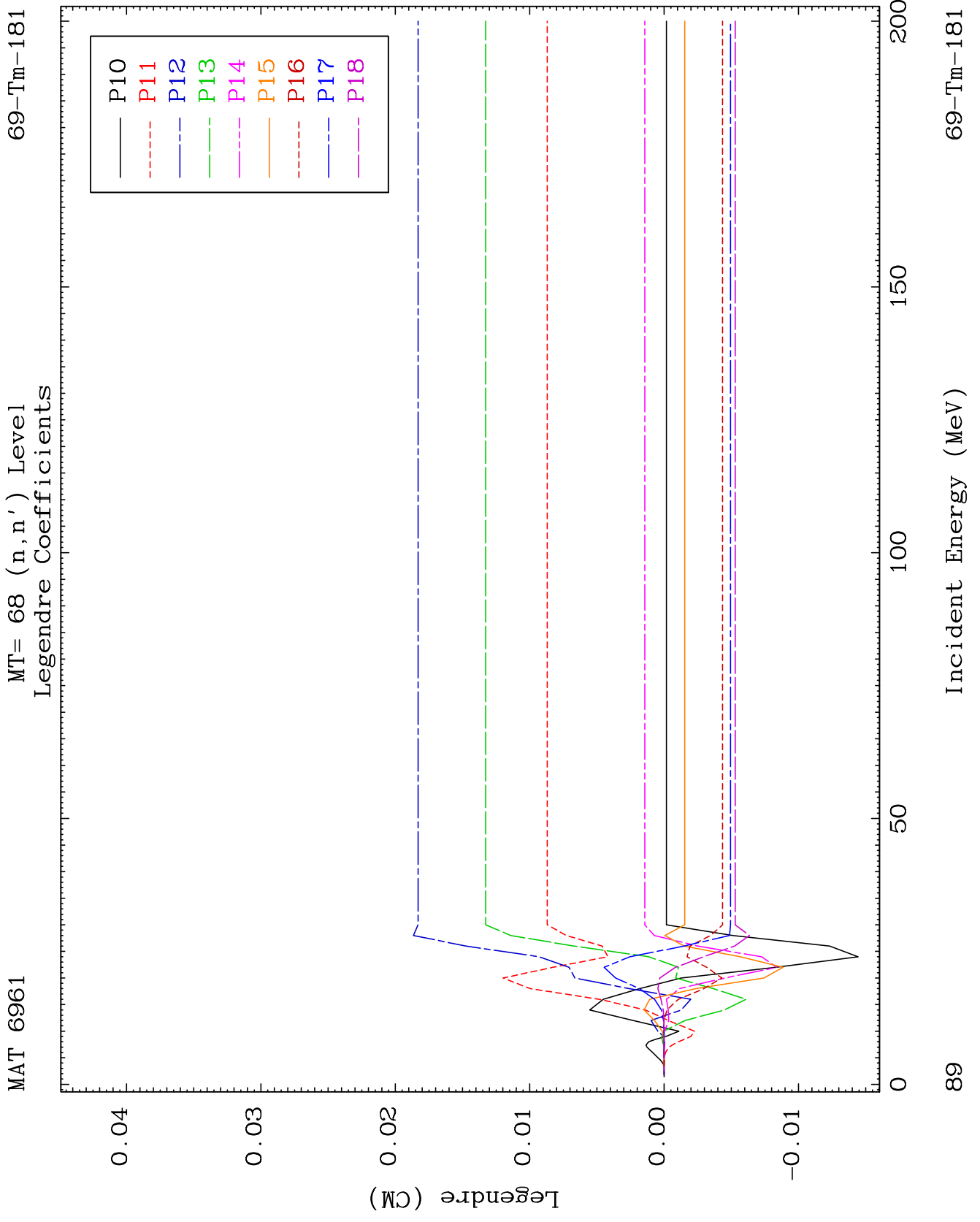


87

Incident Energy (MeV)

69-Tm-181

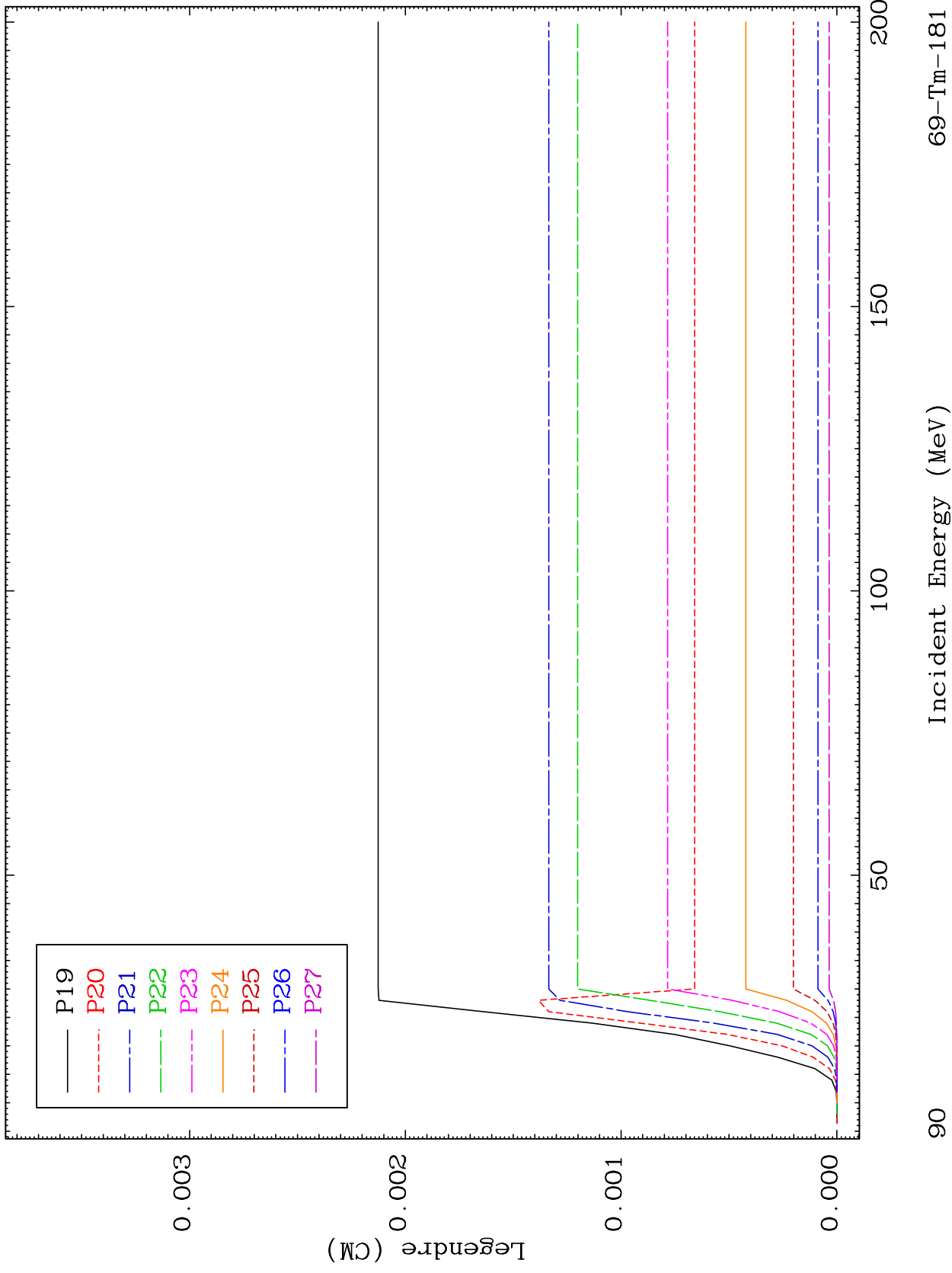




MAT 6961

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

69-Tm-181



90

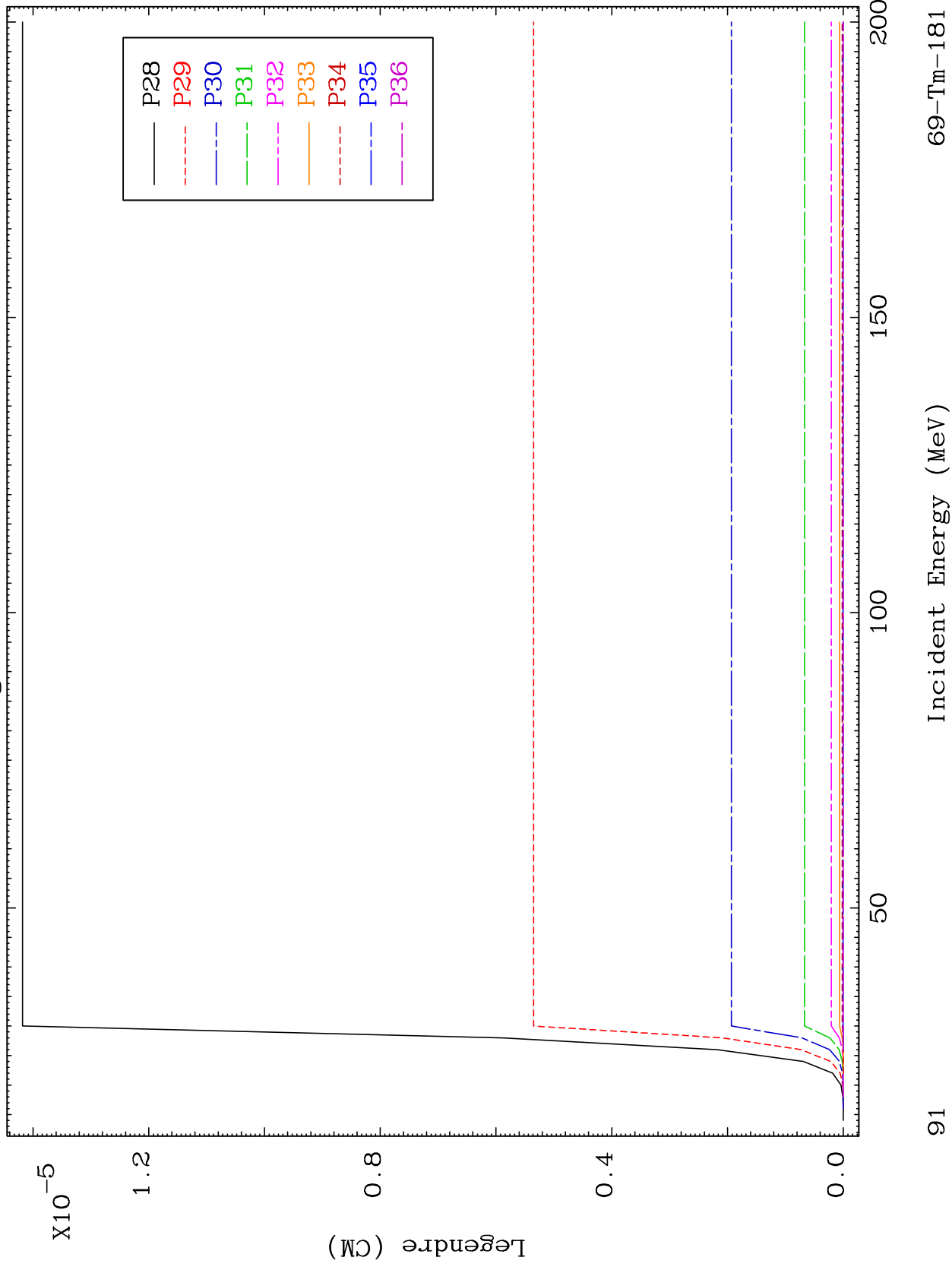
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

69-Tm-181

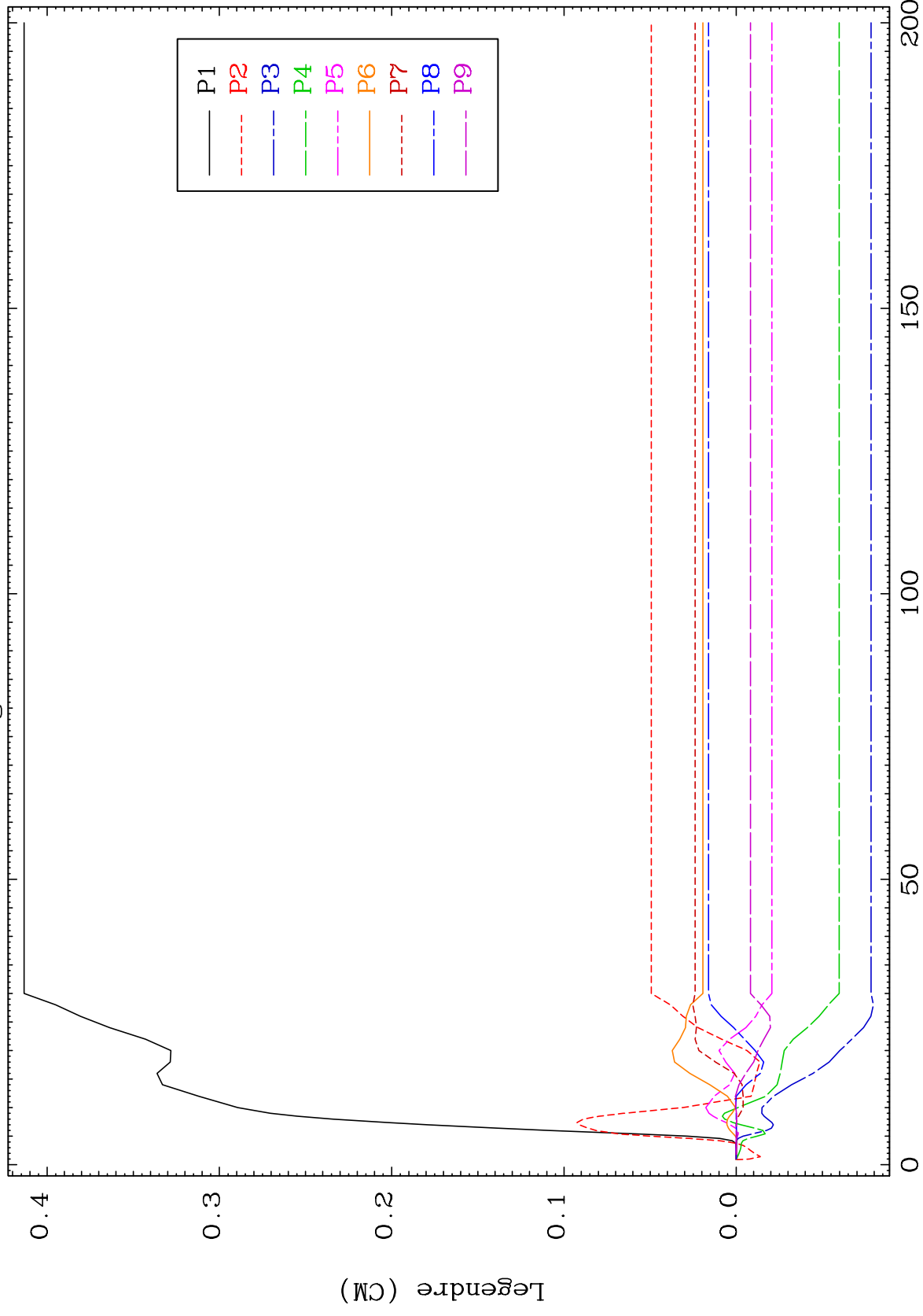


91

MAT 6961

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

69-Tm-181



92

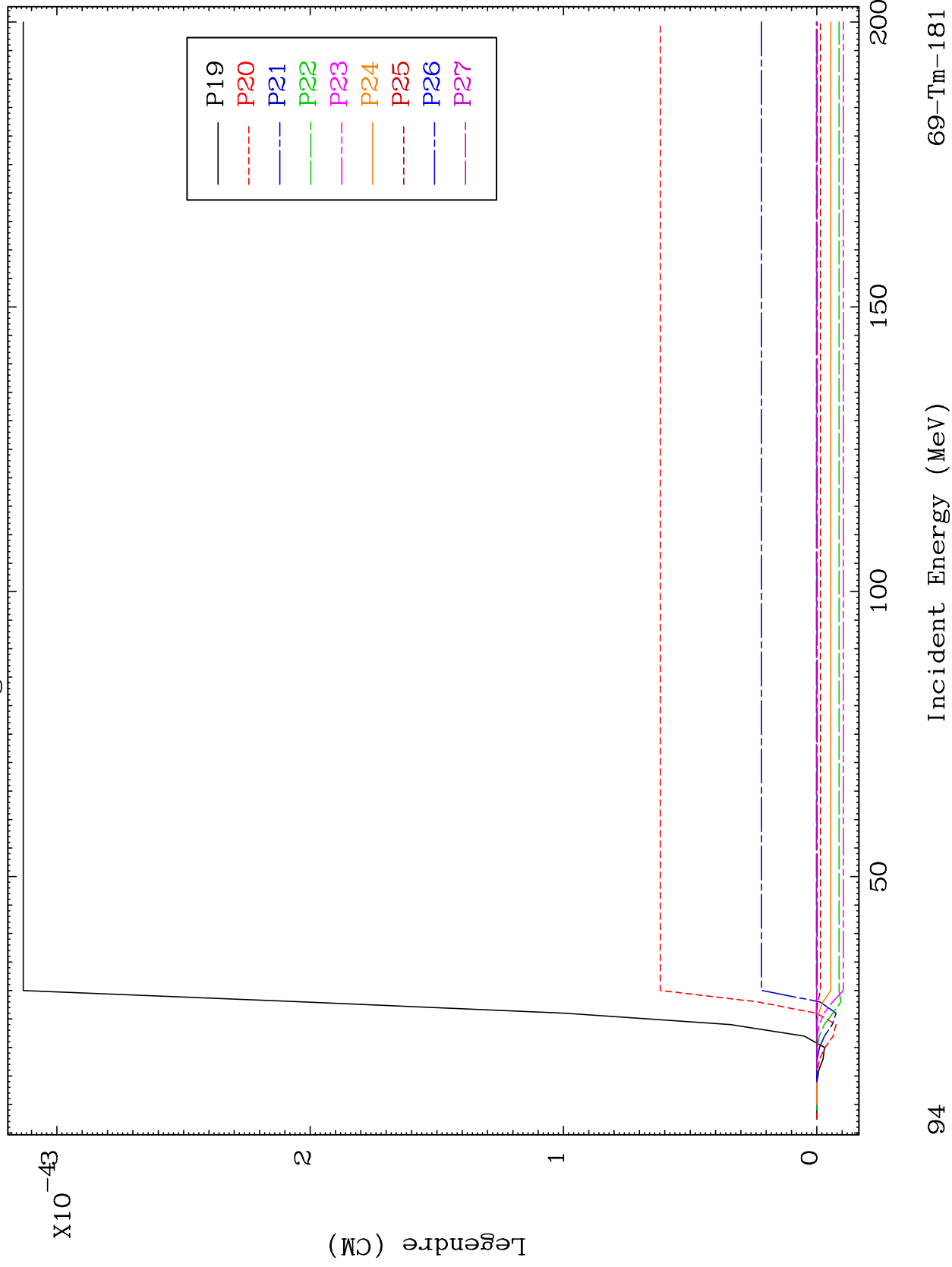
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

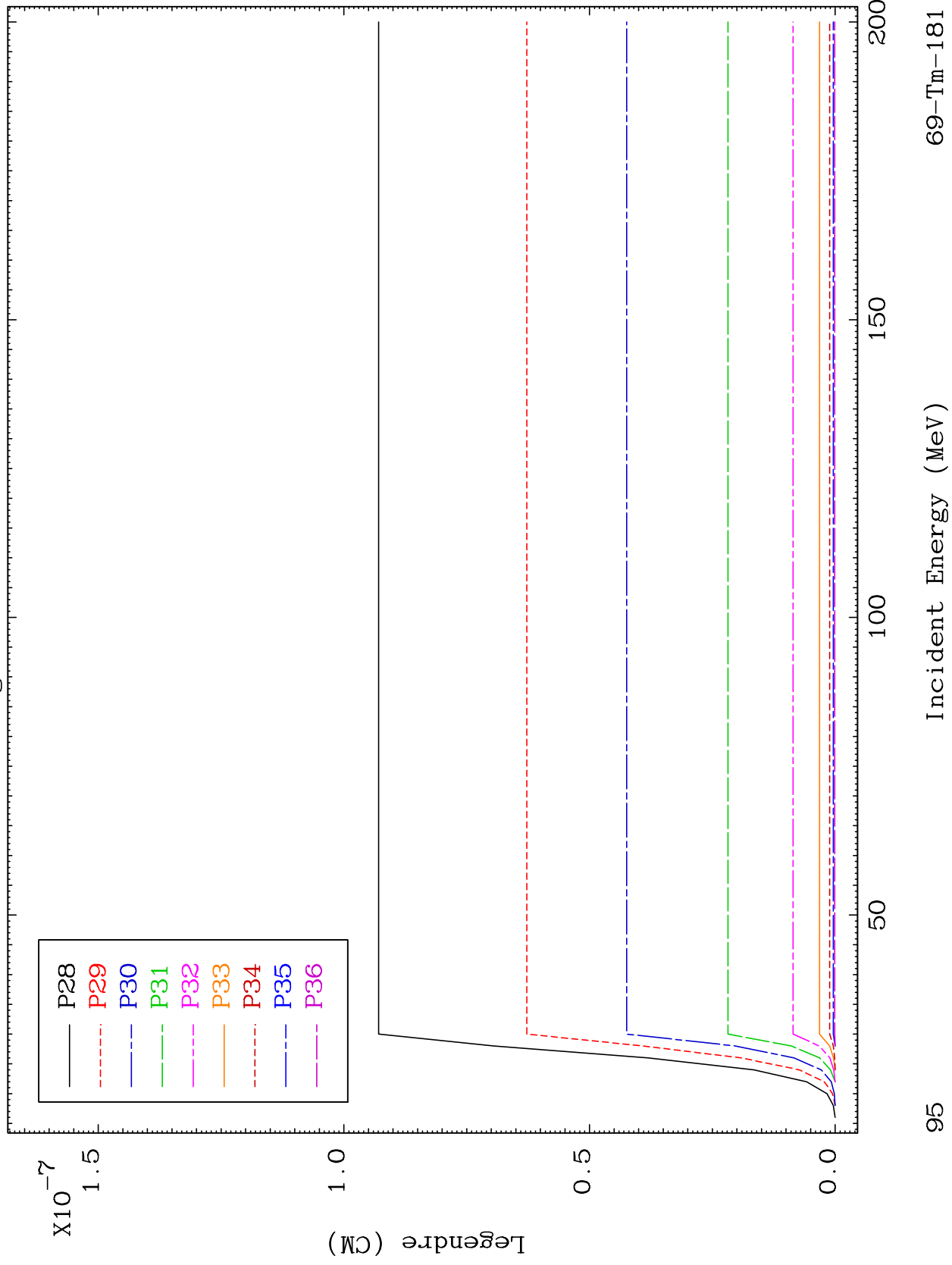
69-Tm-181



MAT 6961

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

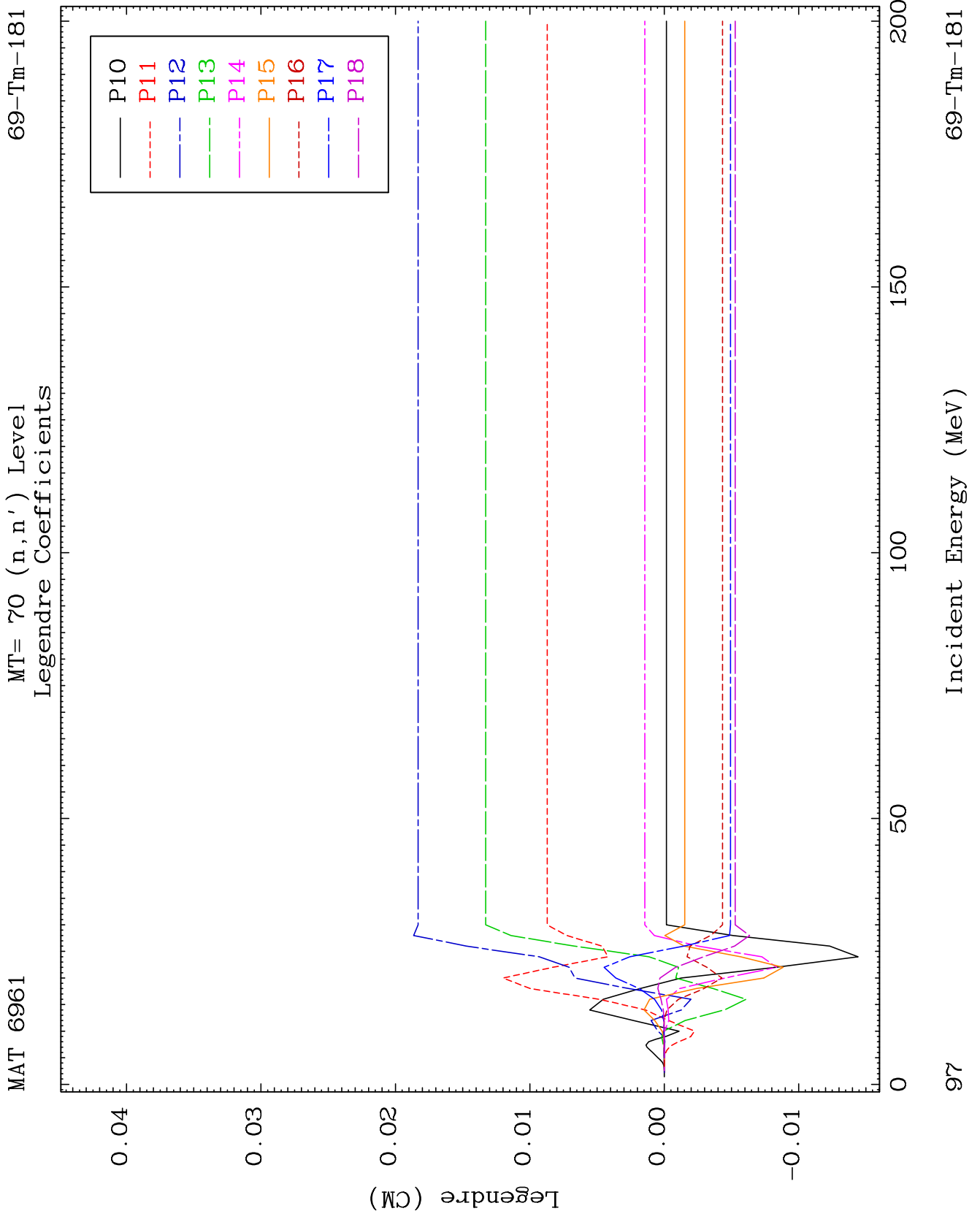
69-Tm-181



95

Incident Energy (MeV)

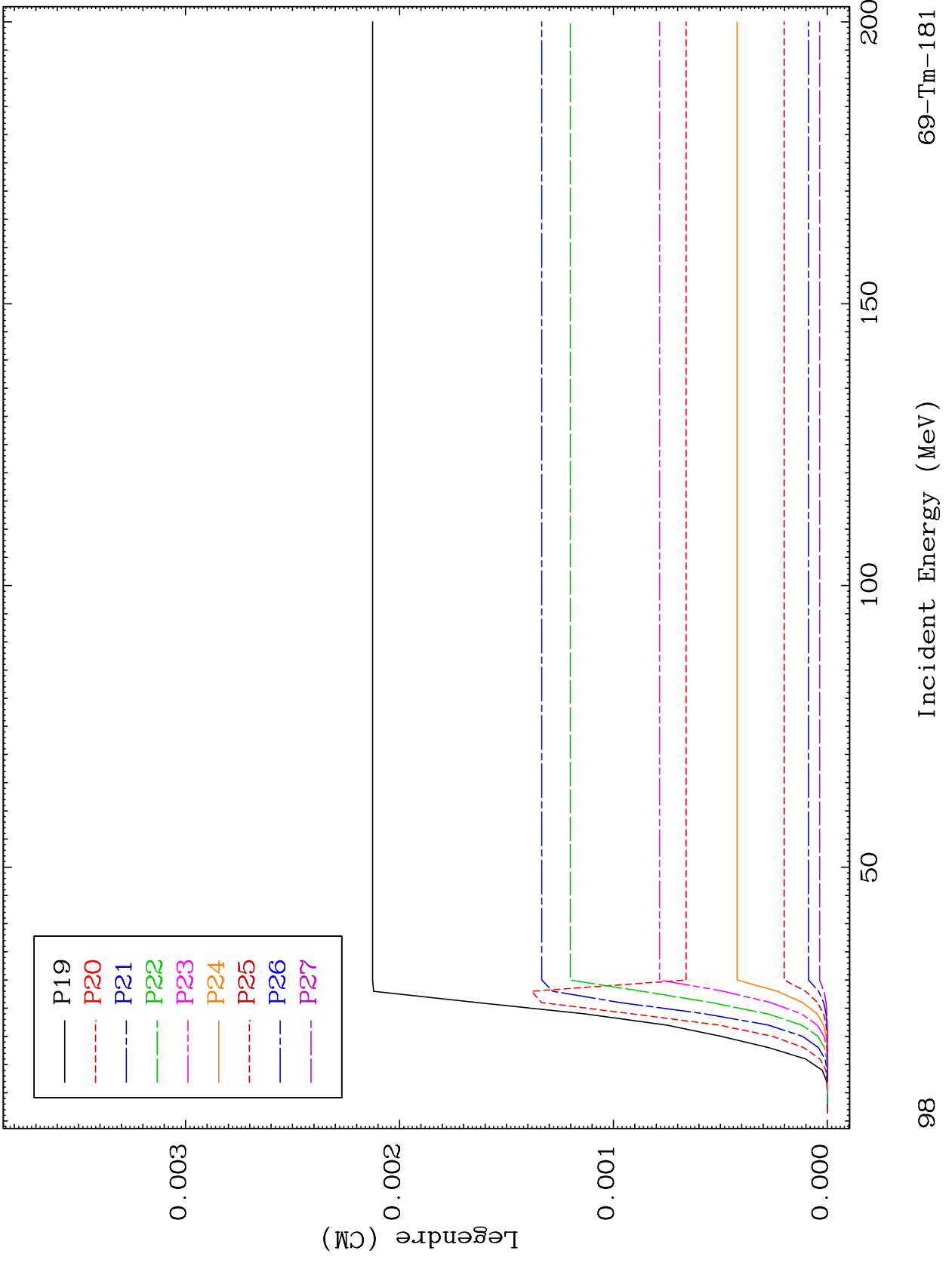
69-Tm-181



MAT 6961

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

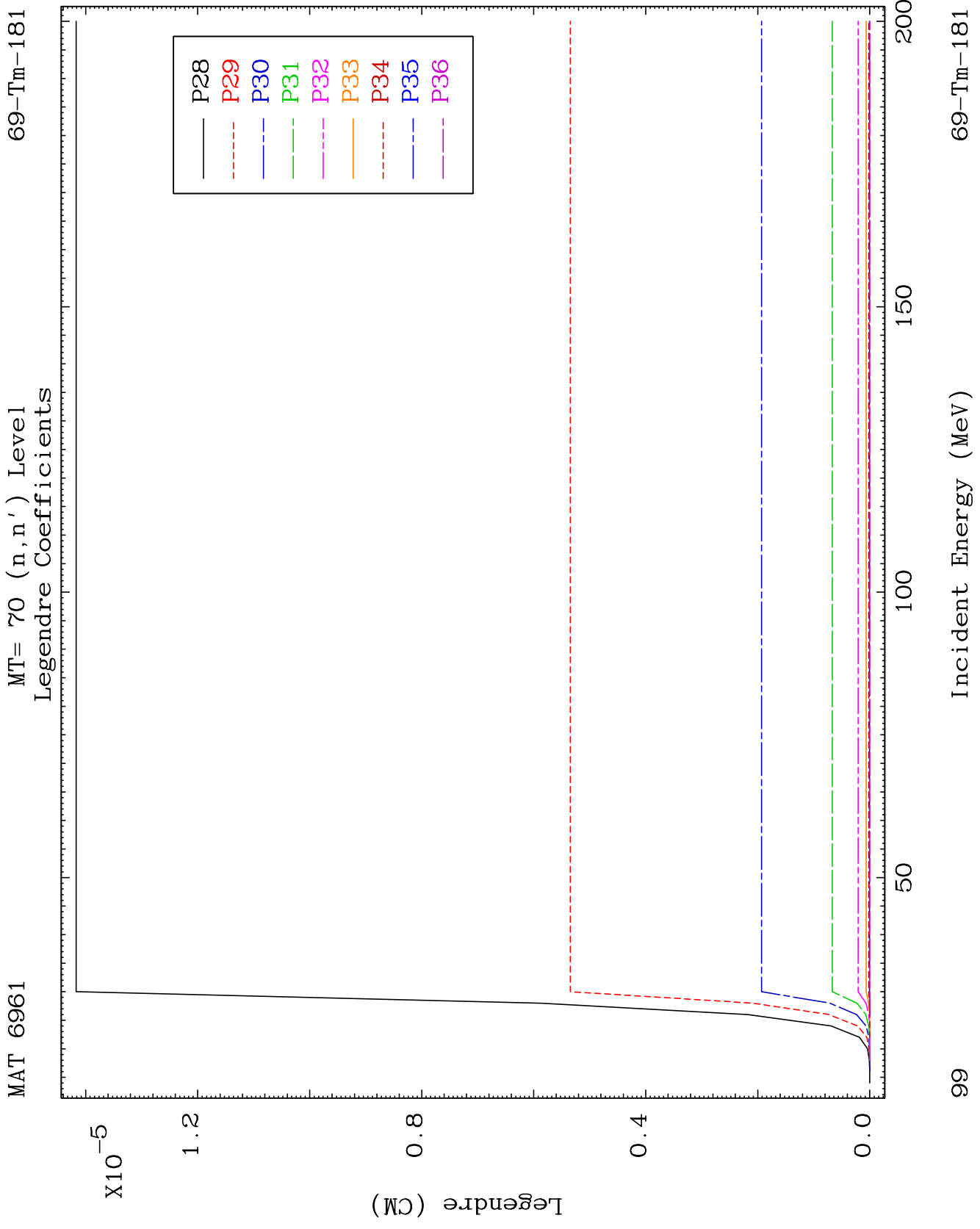
69-Tm-181



98

Incident Energy (MeV)

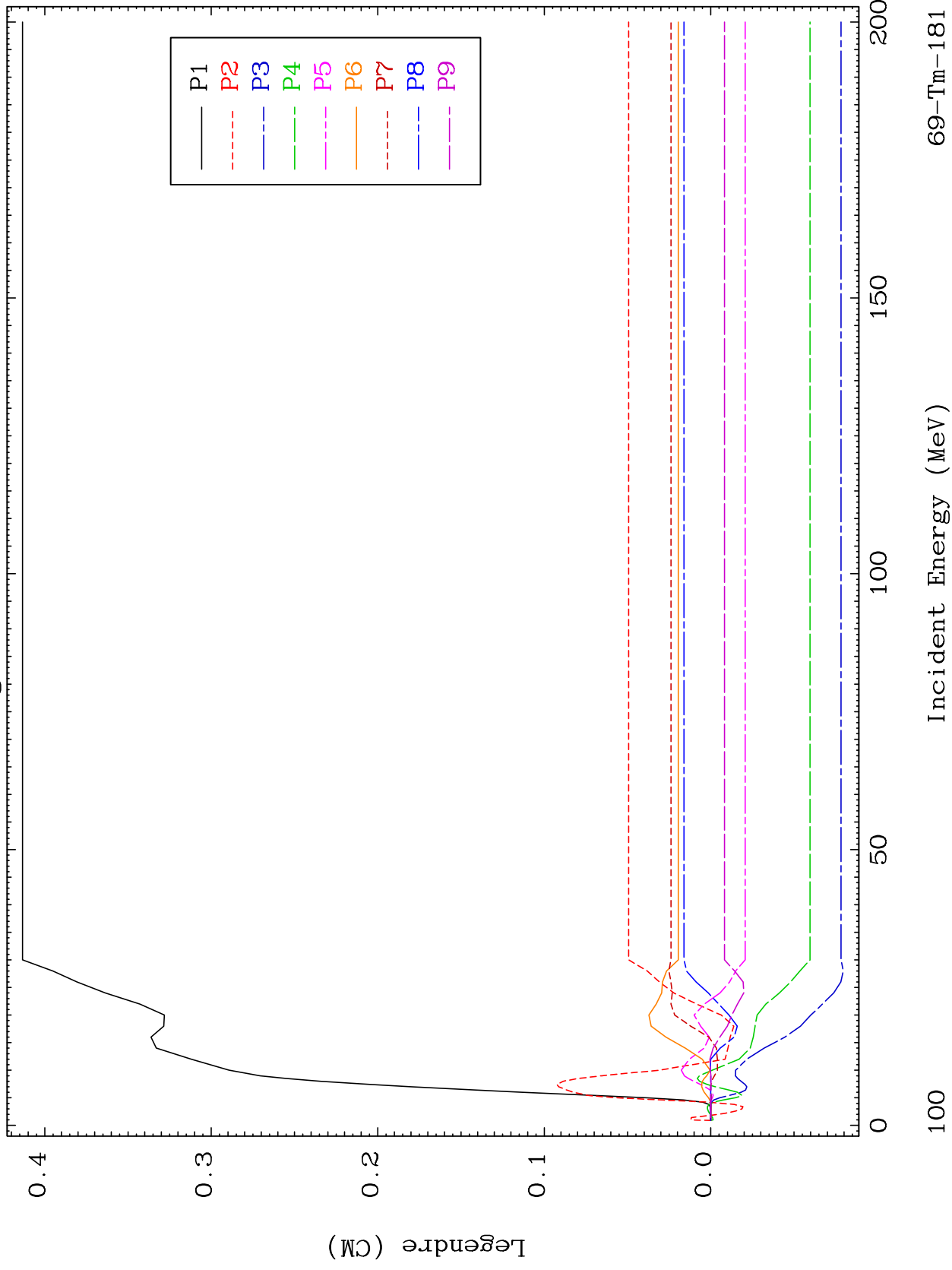
69-Tm-181



MAT 6961

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

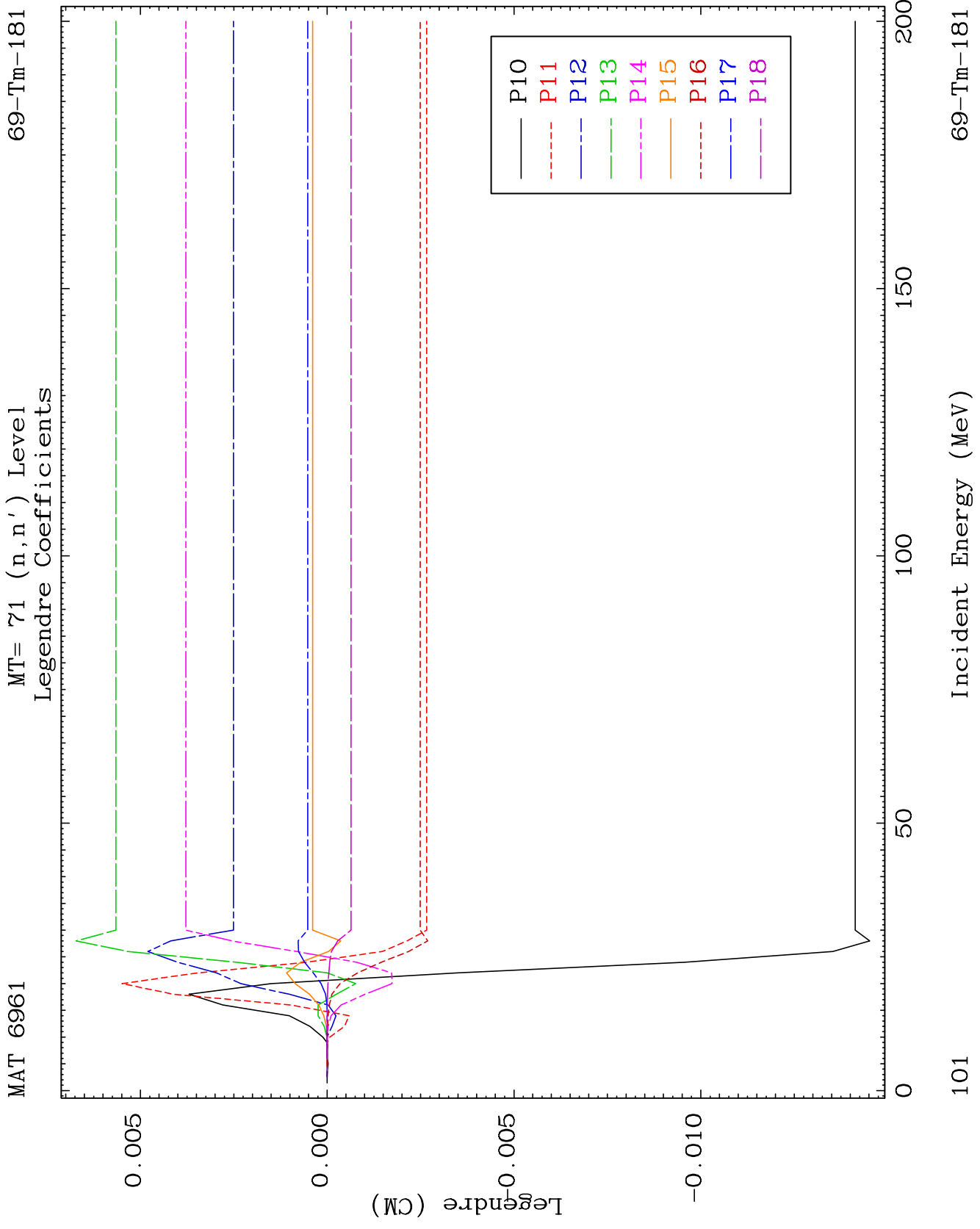
69-Tm-181



69-Tm-181

Incident Energy (MeV)

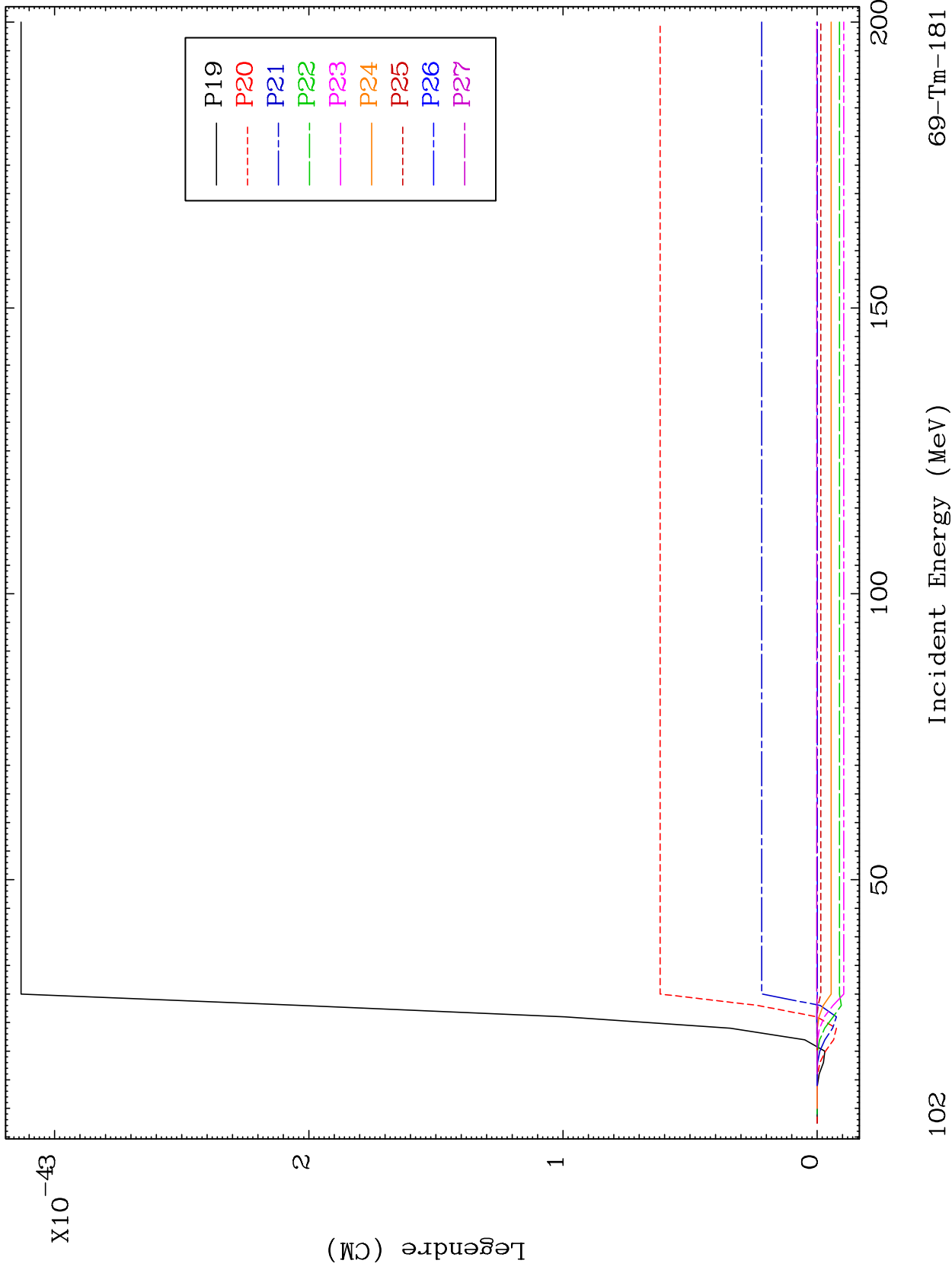
100



MAT 6961

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

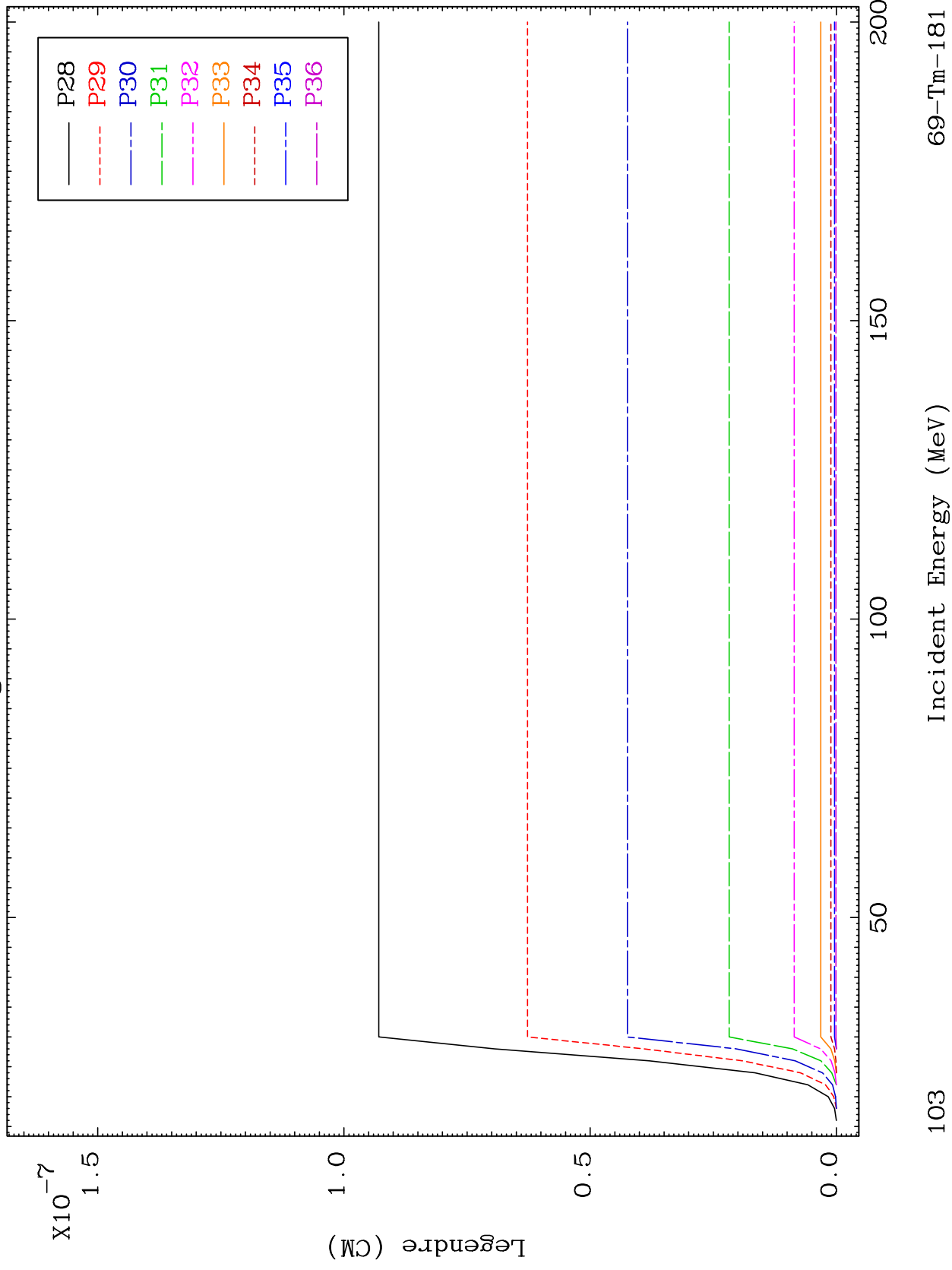
69-Tm-181



MAT 6961

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

69-Tm-181



103

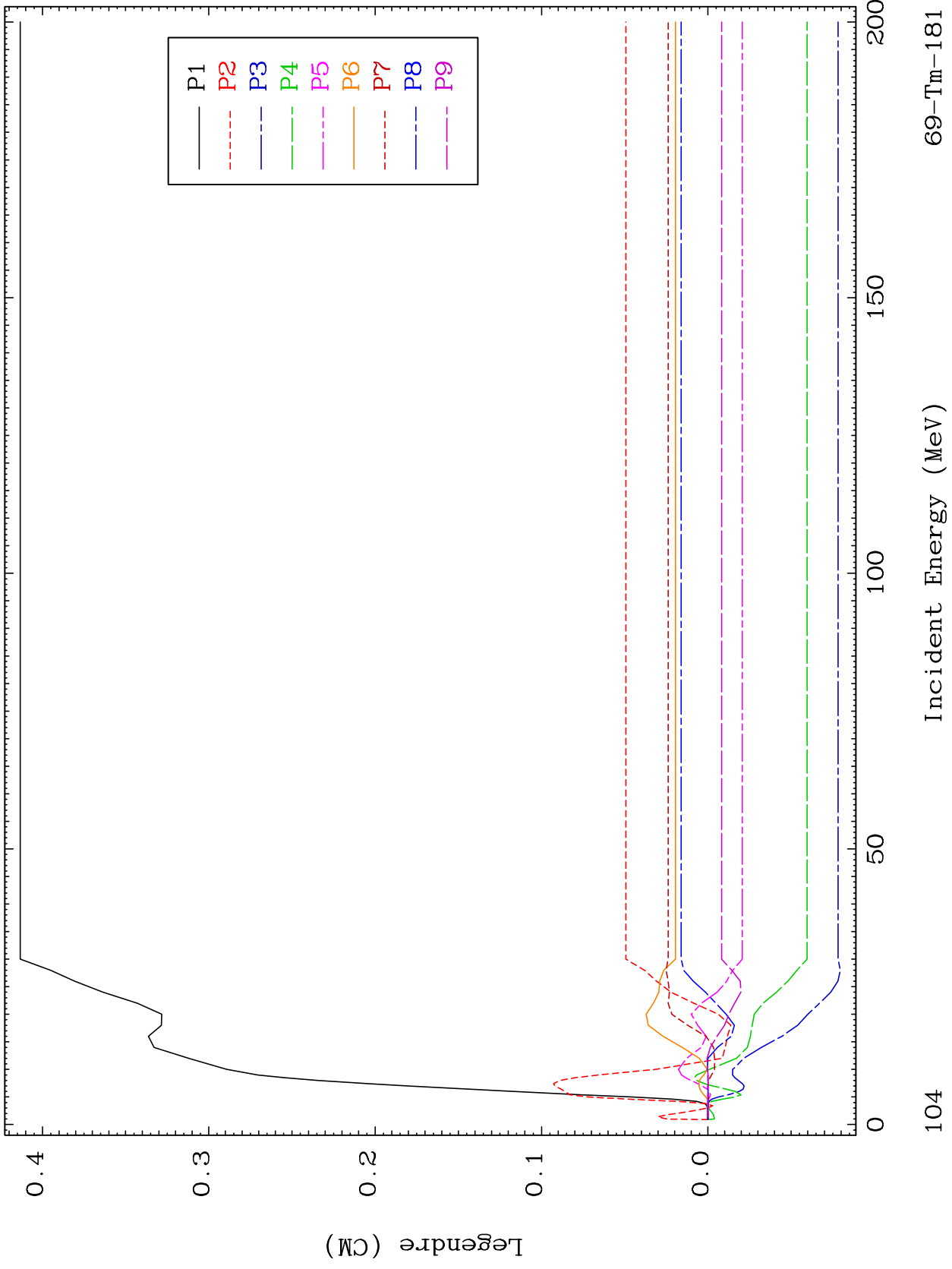
Incident Energy (MeV)

69-Tm-181

MAT 6961

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

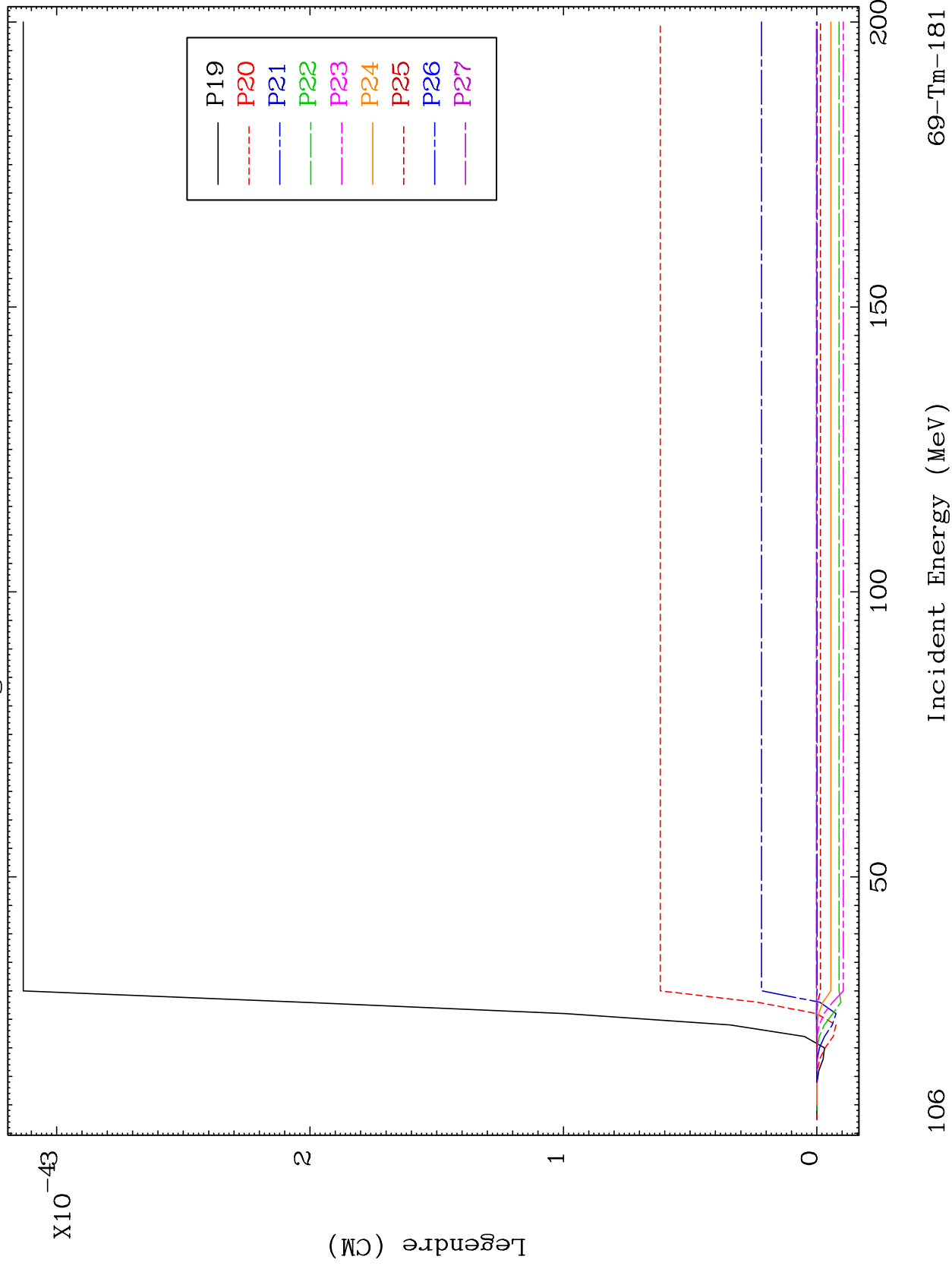
69-Tm-181



MAT 6961

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

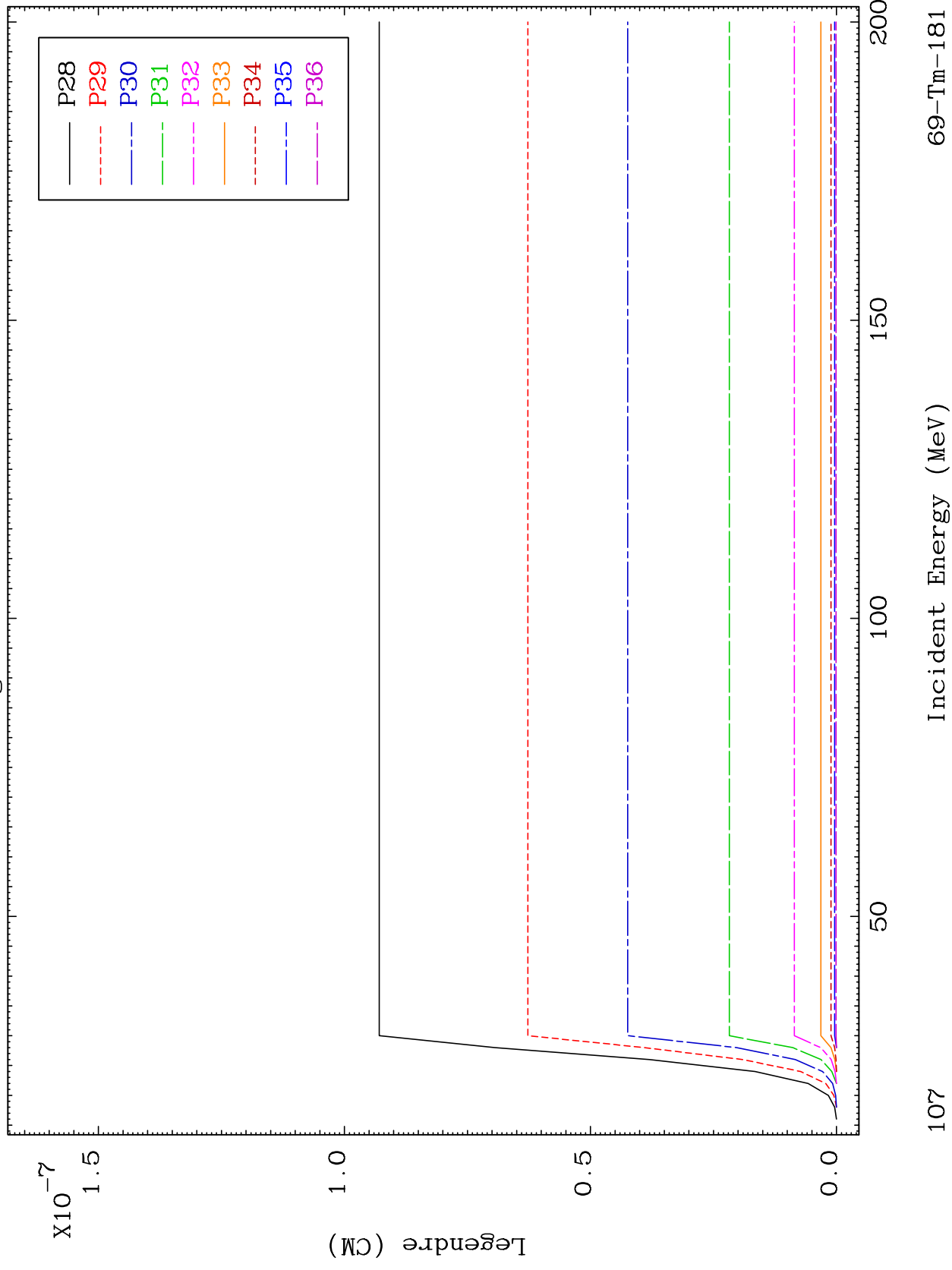
69-Tm-181



MAT 6961

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

69-Tm-181



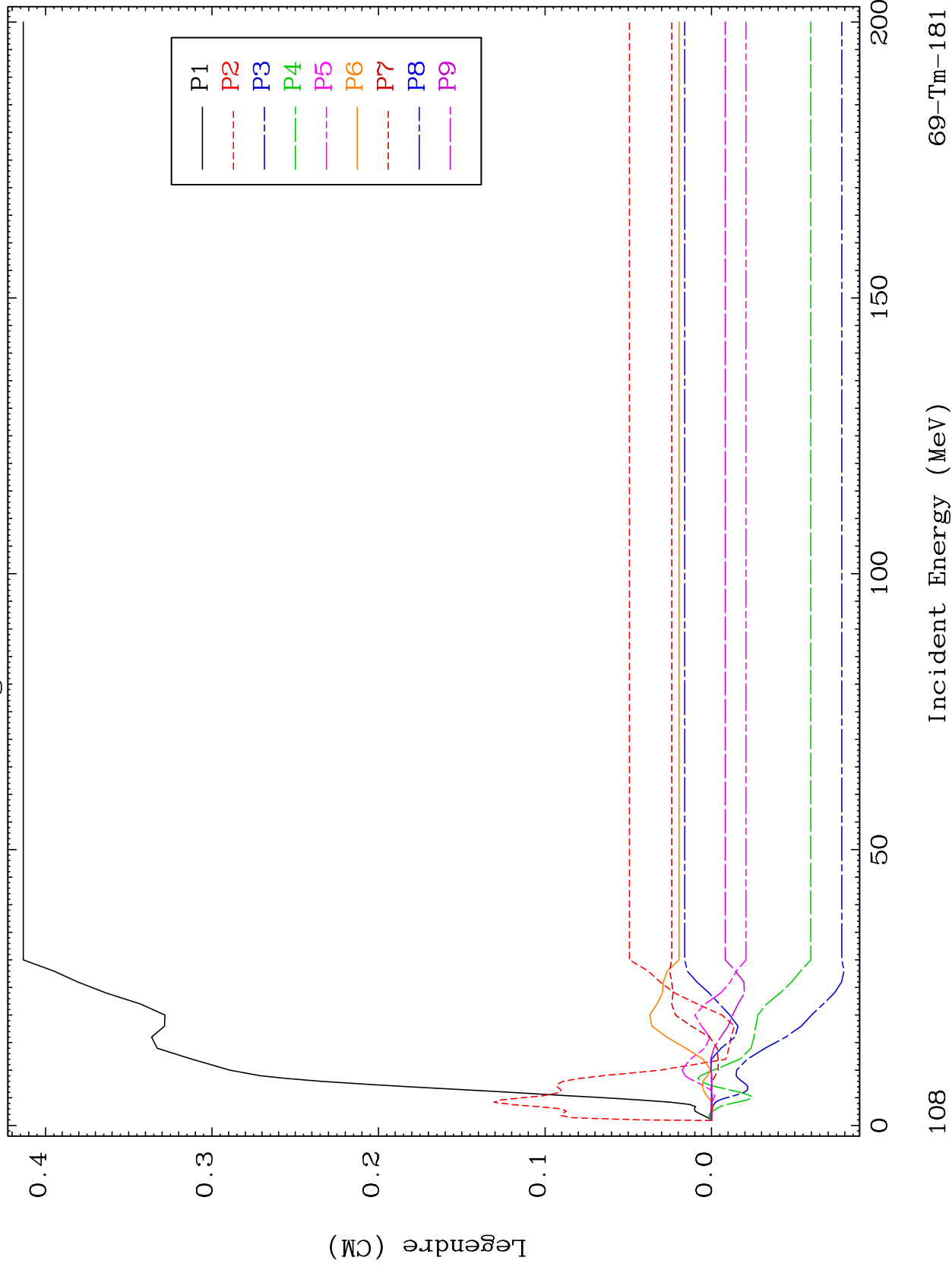
107

69-Tm-181

MAT 6961

MT= 73 (n,n') Level
Legendre Coefficients

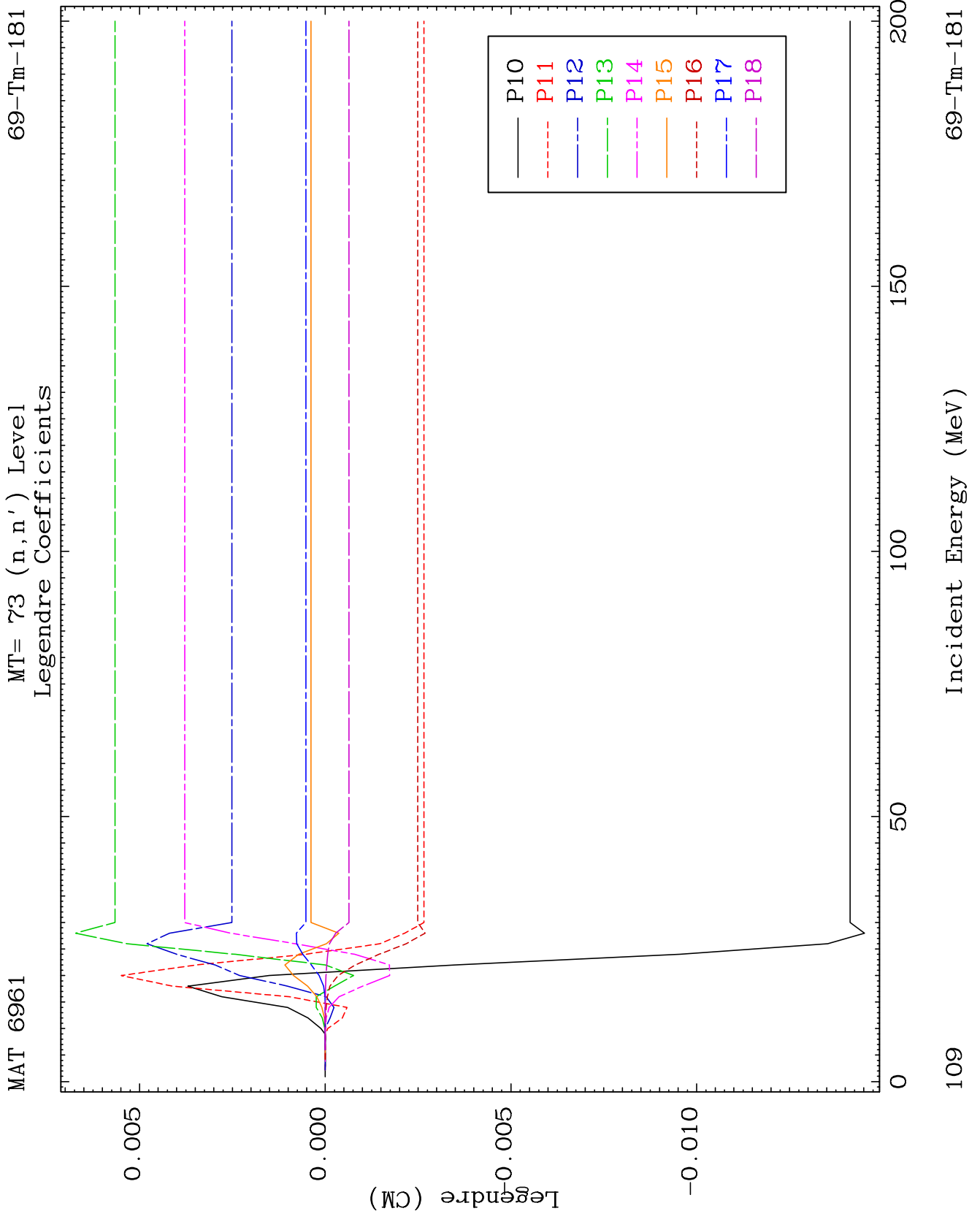
69-Tm-181



69-Tm-181

Incident Energy (MeV)

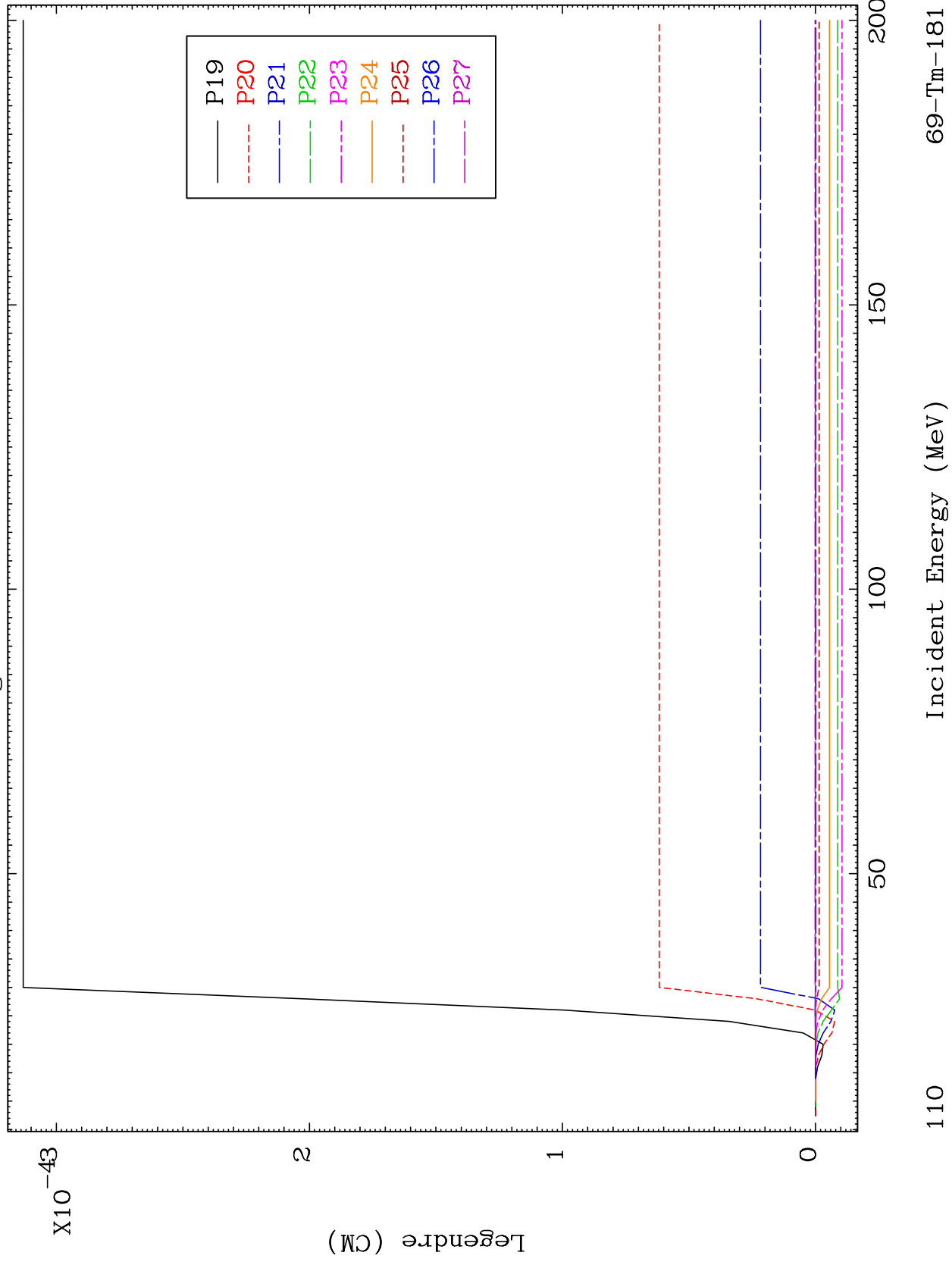
108



MAT 6961

MT= 73 (n,n') Level
Legendre Coefficients

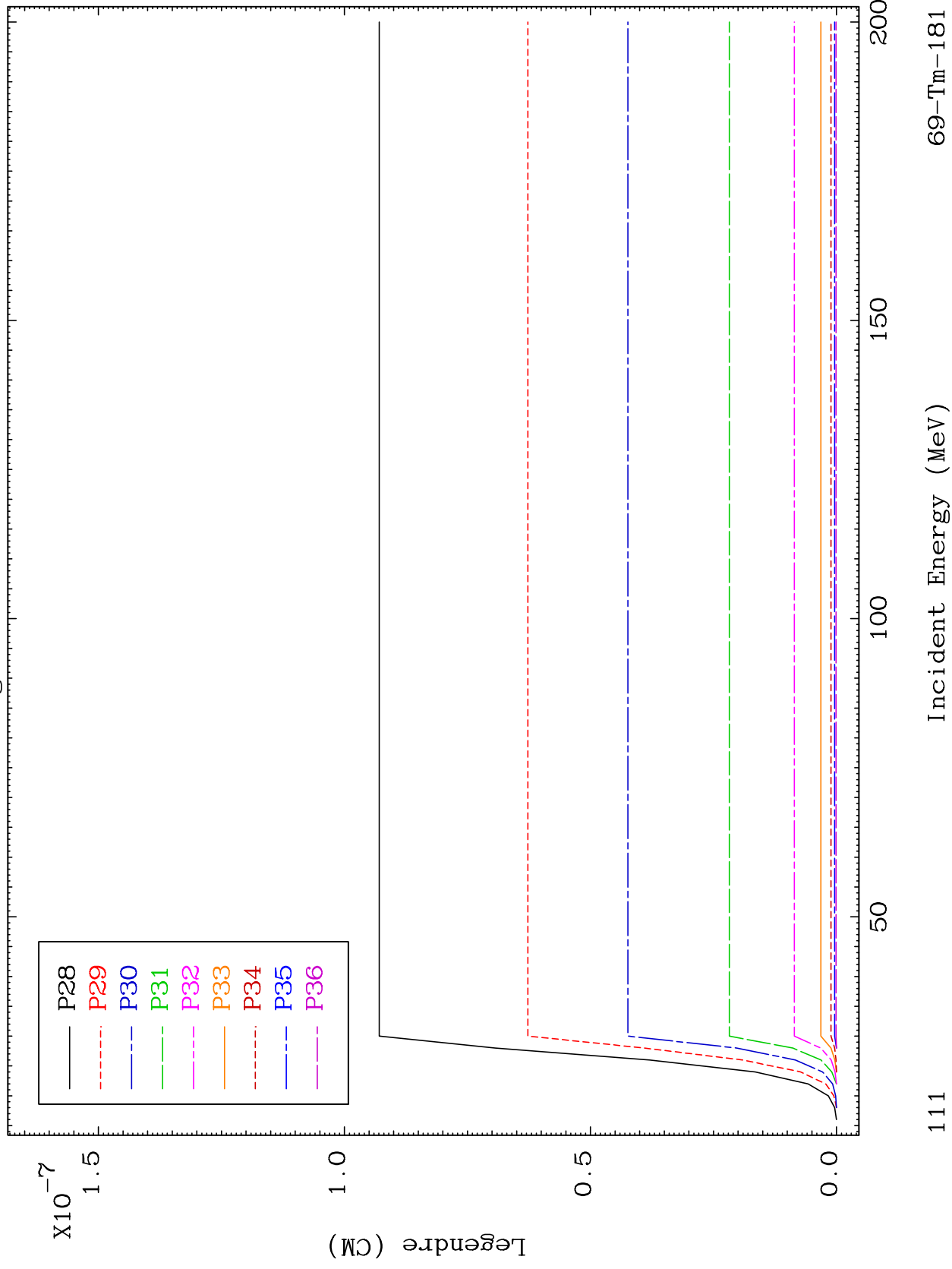
69-Tm-181



MAT 6961

MT= 73 (n,n') Level
Legendre Coefficients

69-Tm-181

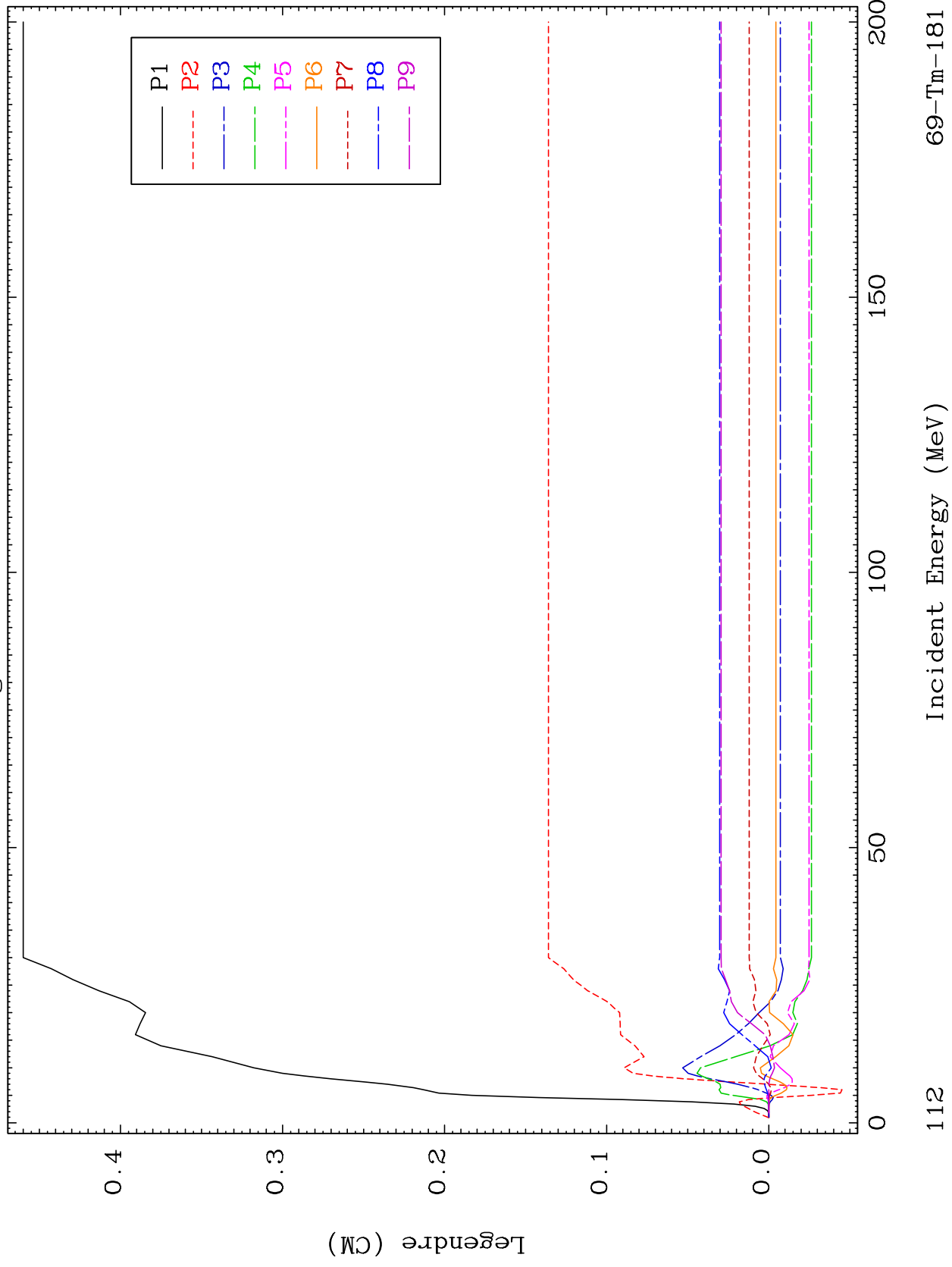


111

MAT 6961

MT= 74 (n,n') Level
Legendre Coefficients

69-Tm-181



69-Tm-181

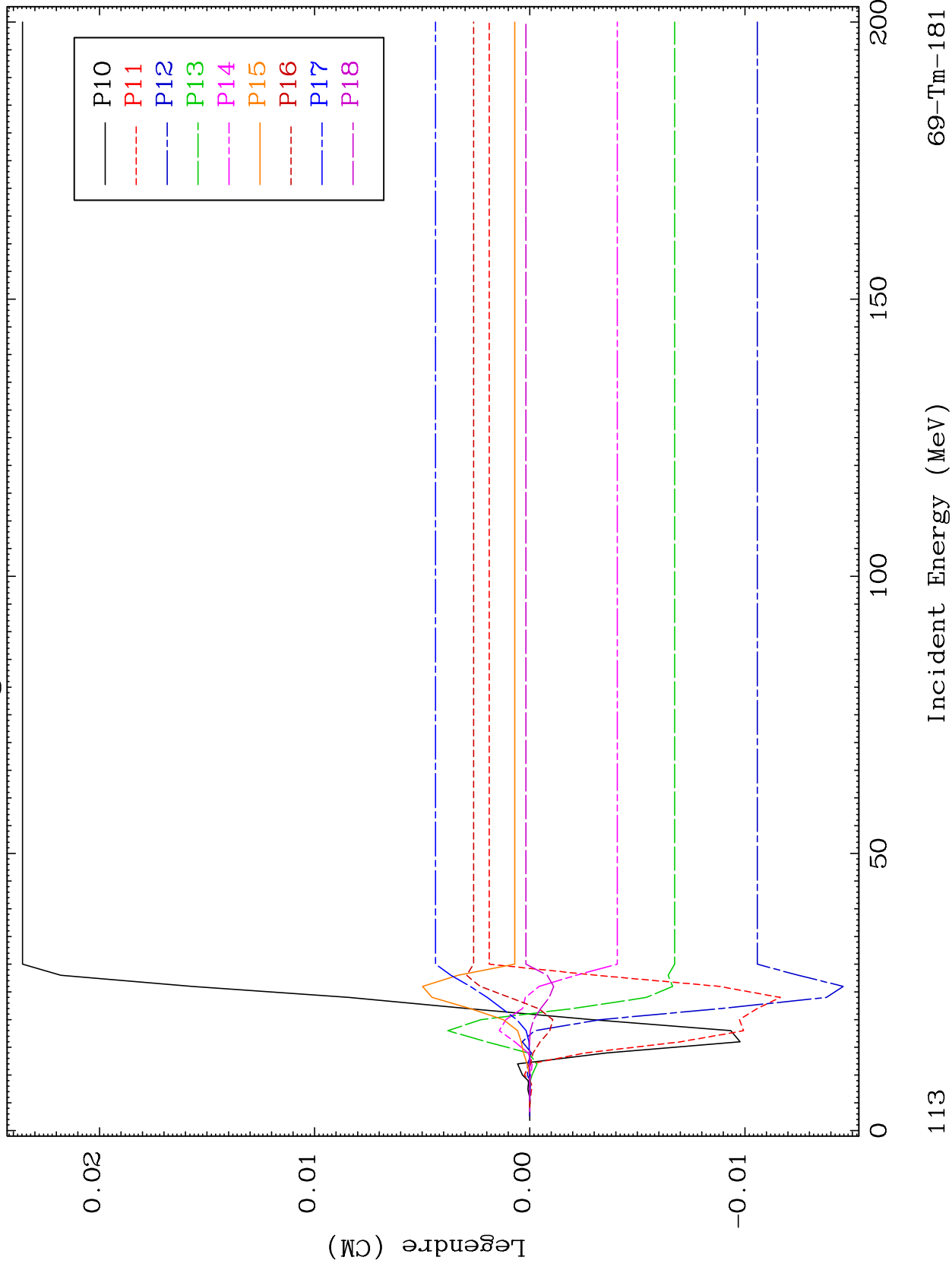
Incident Energy (MeV)

112

MAT 6961

MT= 74 (n,n') Level
Legendre Coefficients

69-Tm-181



69-Tm-181

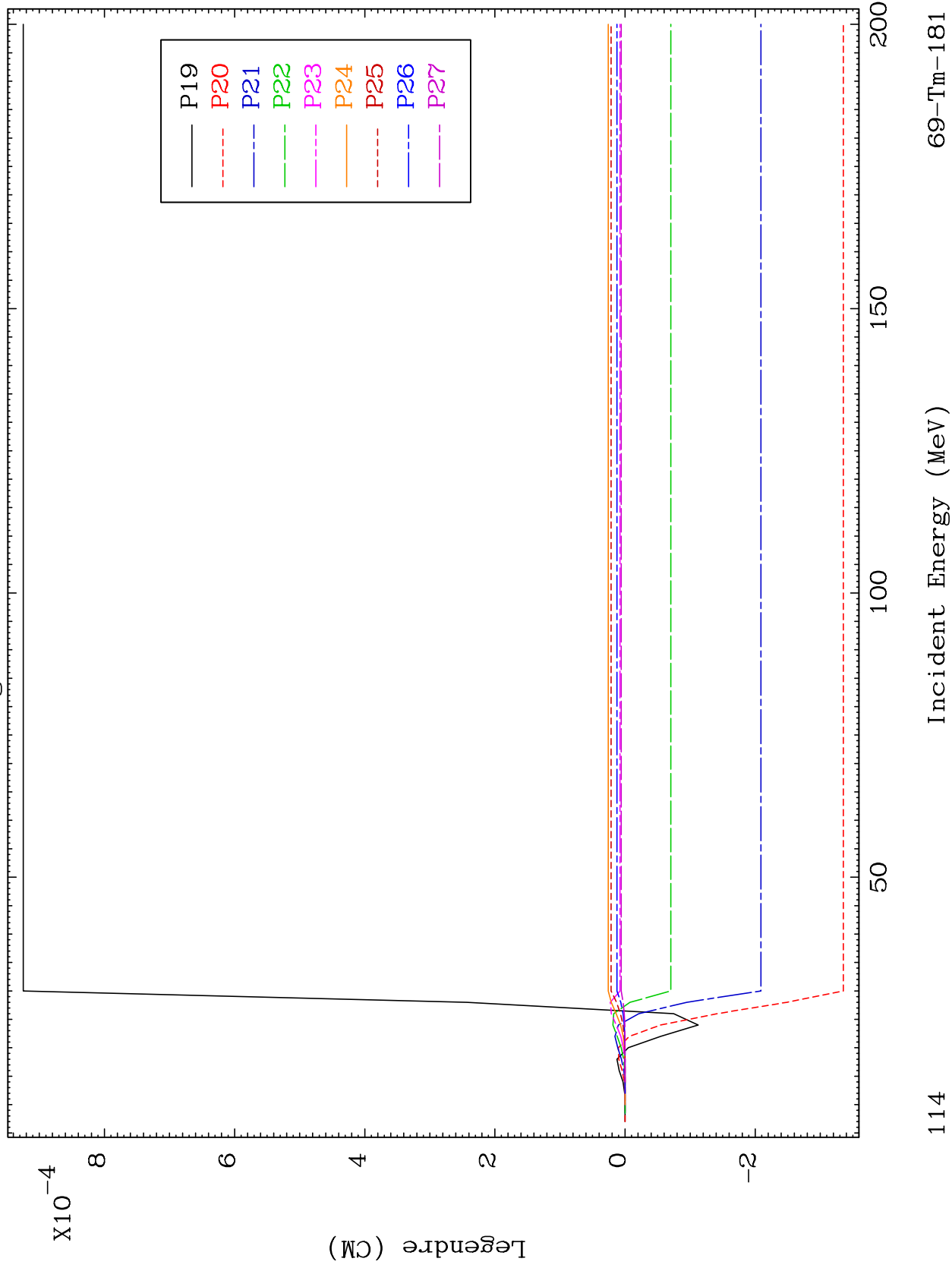
Incident Energy (MeV)

113

MAT 6961

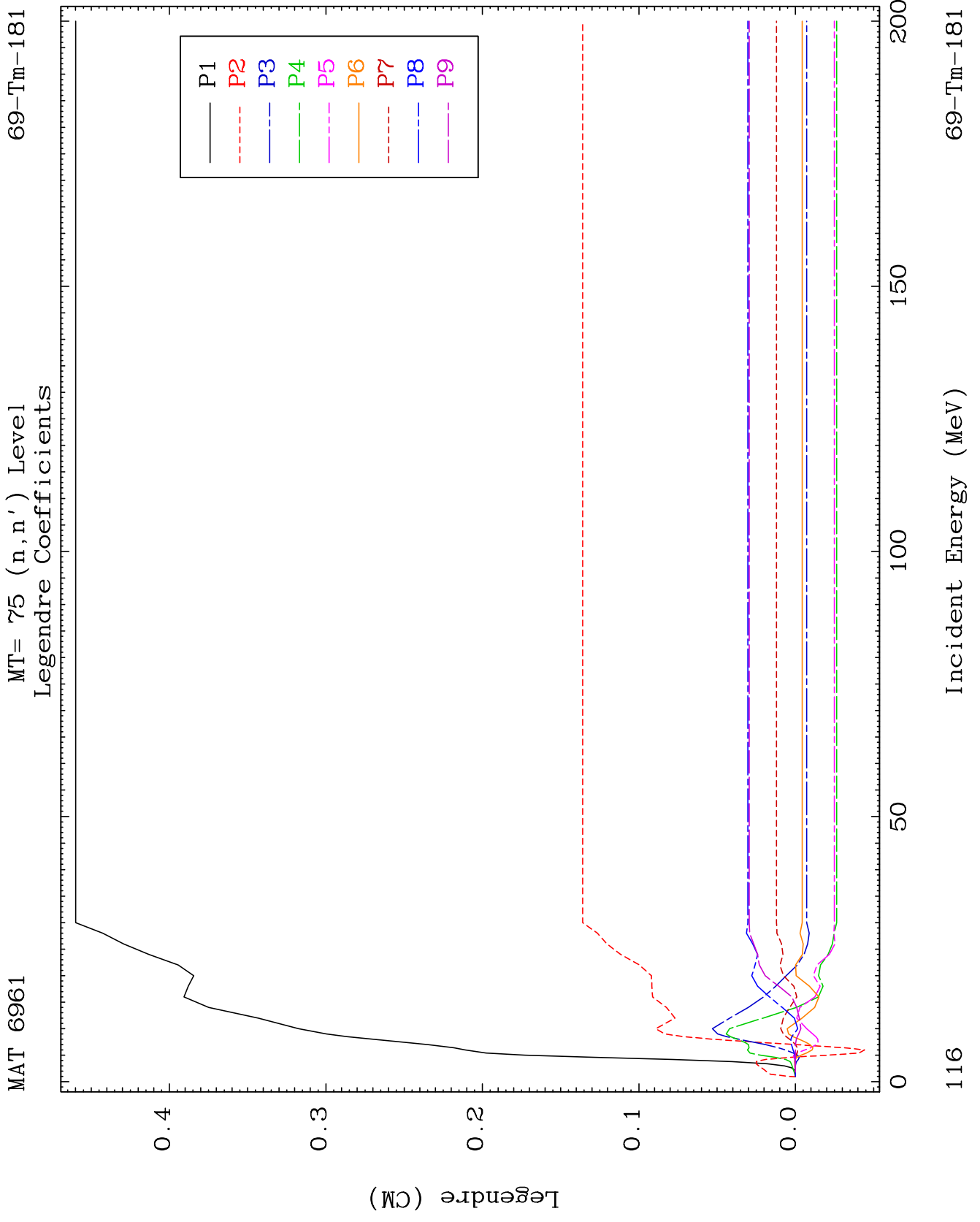
MT= 74 (n,n') Level
Legendre Coefficients

69-Tm-181



114

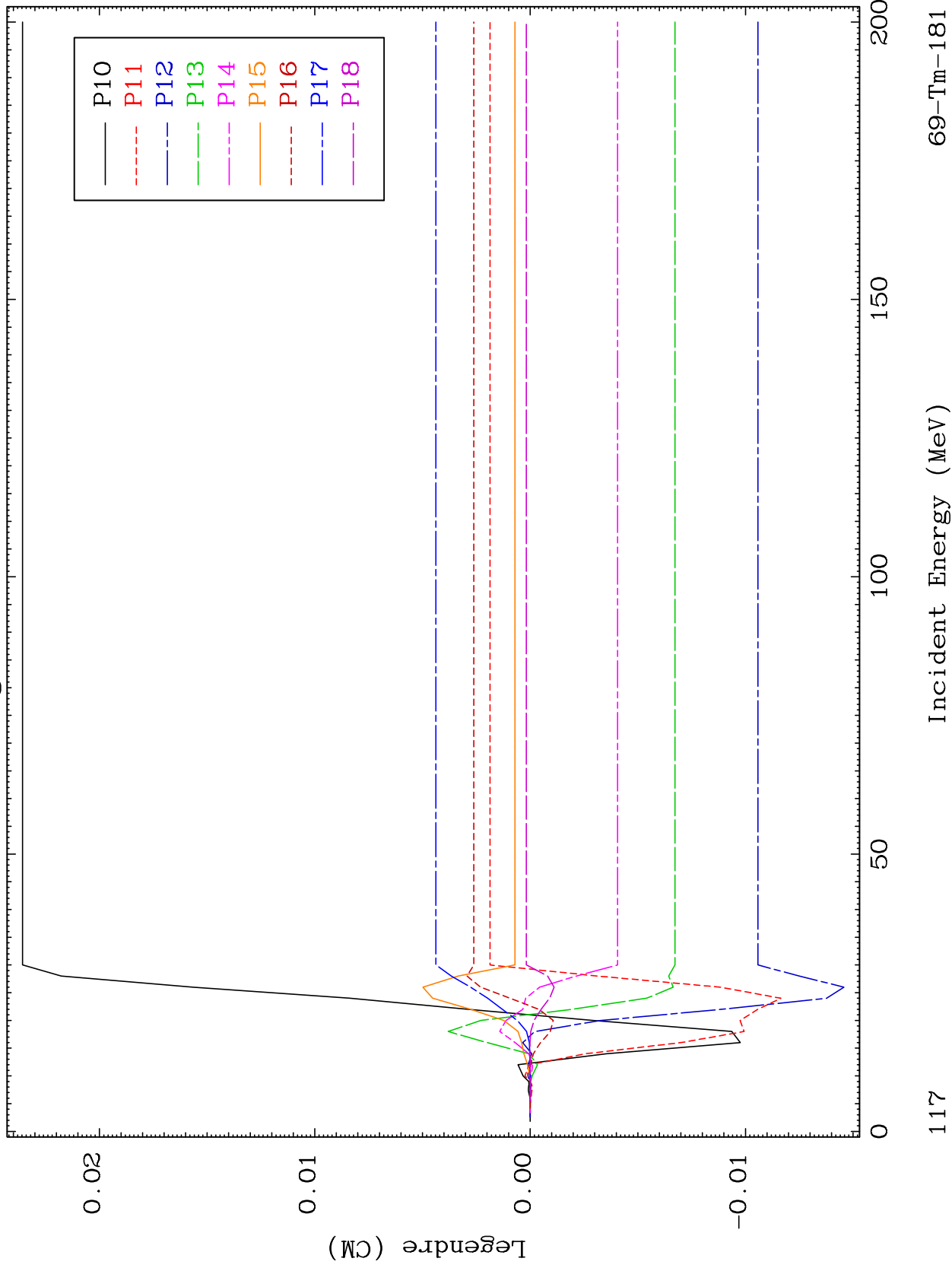
69-Tm-181



MAT 6961

MT= 75 (n,n') Level
Legendre Coefficients

69-Tm-181



117

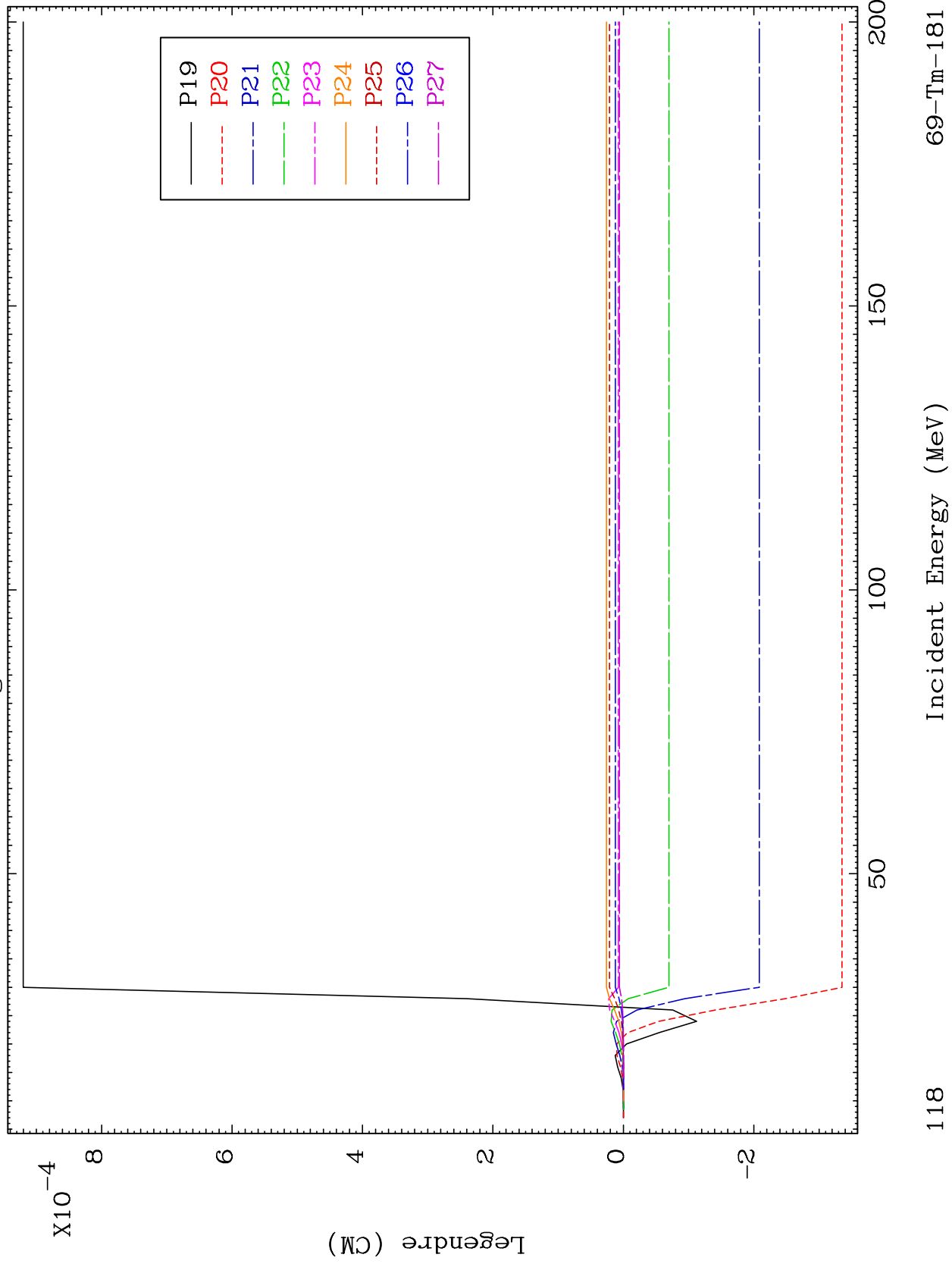
Incident Energy (MeV)

69-Tm-181

MAT 6961

MT= 75 (n,n') Level
Legendre Coefficients

69-Tm-181



118

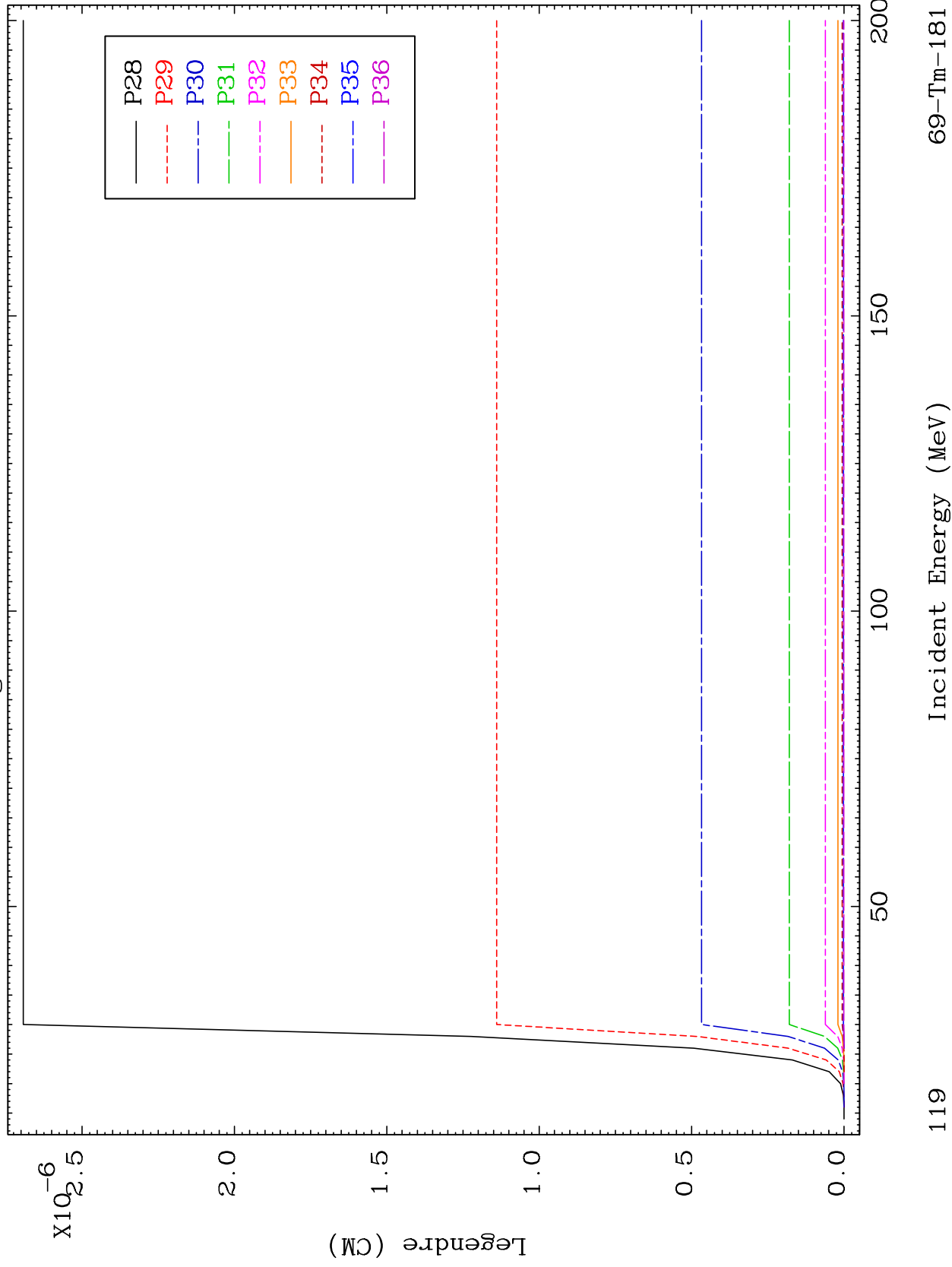
Incident Energy (MeV)

69-Tm-181

MAT 6961

MT= 75 (n,n') Level
Legendre Coefficients

69-Tm-181

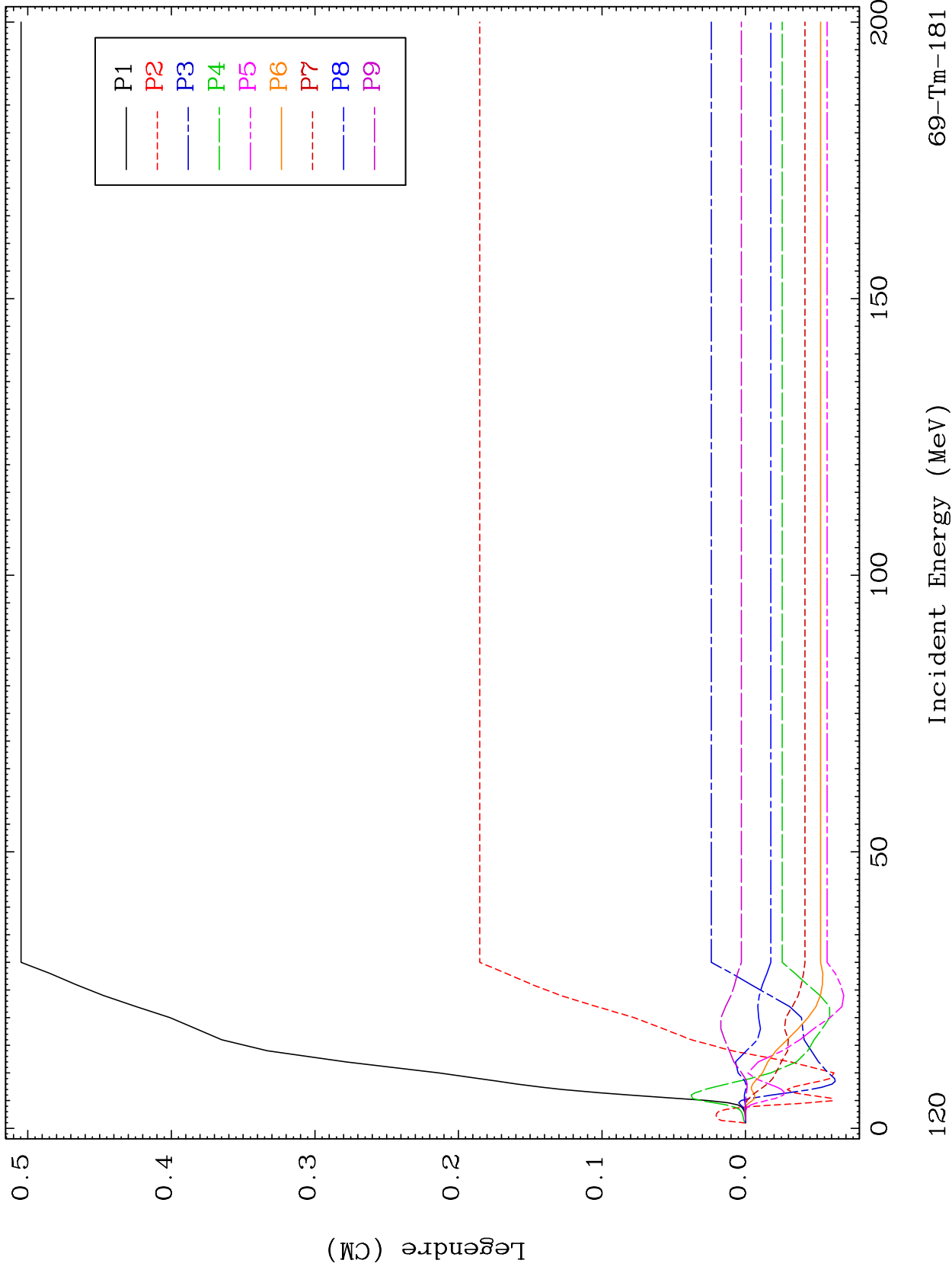


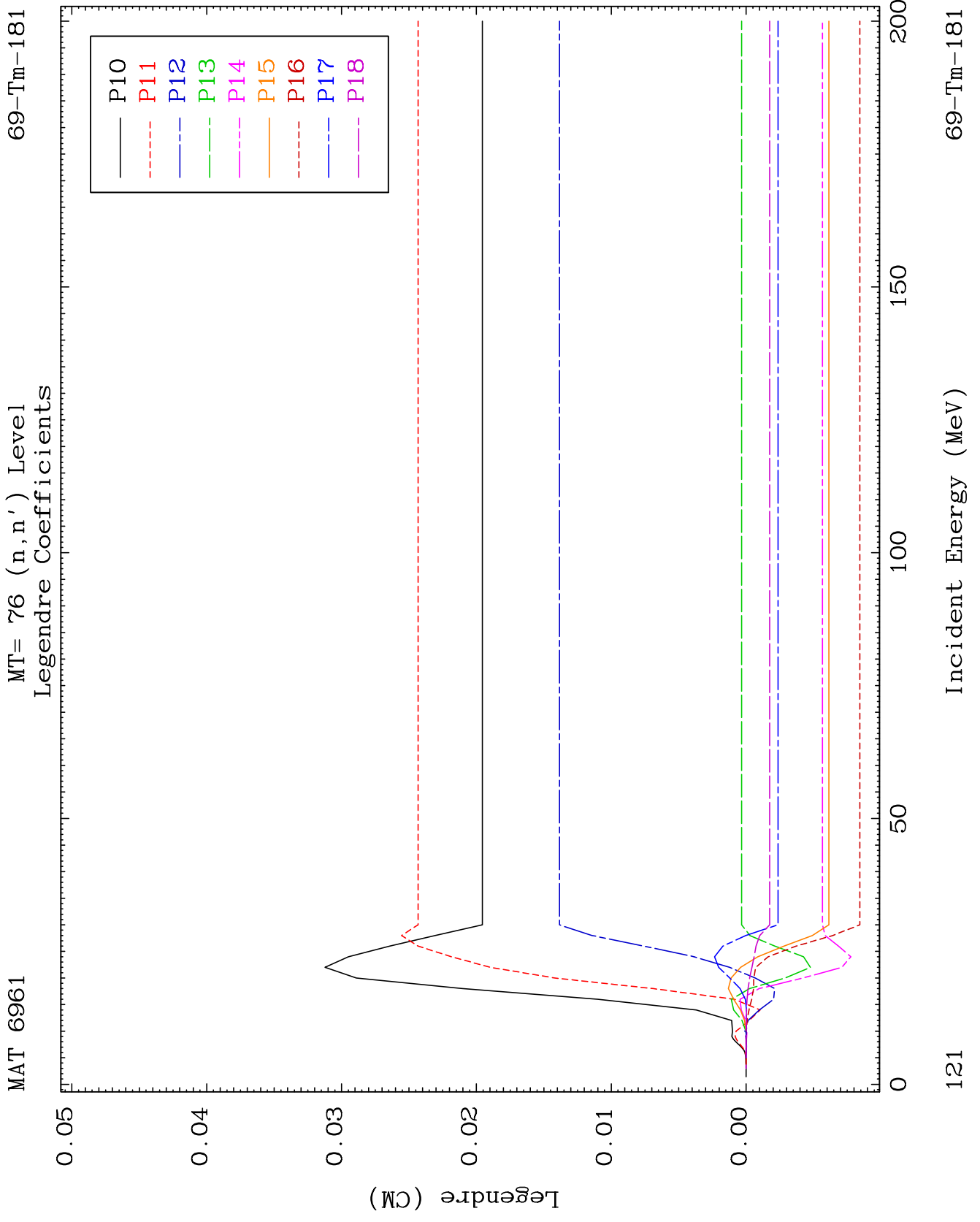
119

MAT 6961

MT= 76 (n,n') Level
Legendre Coefficients

69-Tm-181

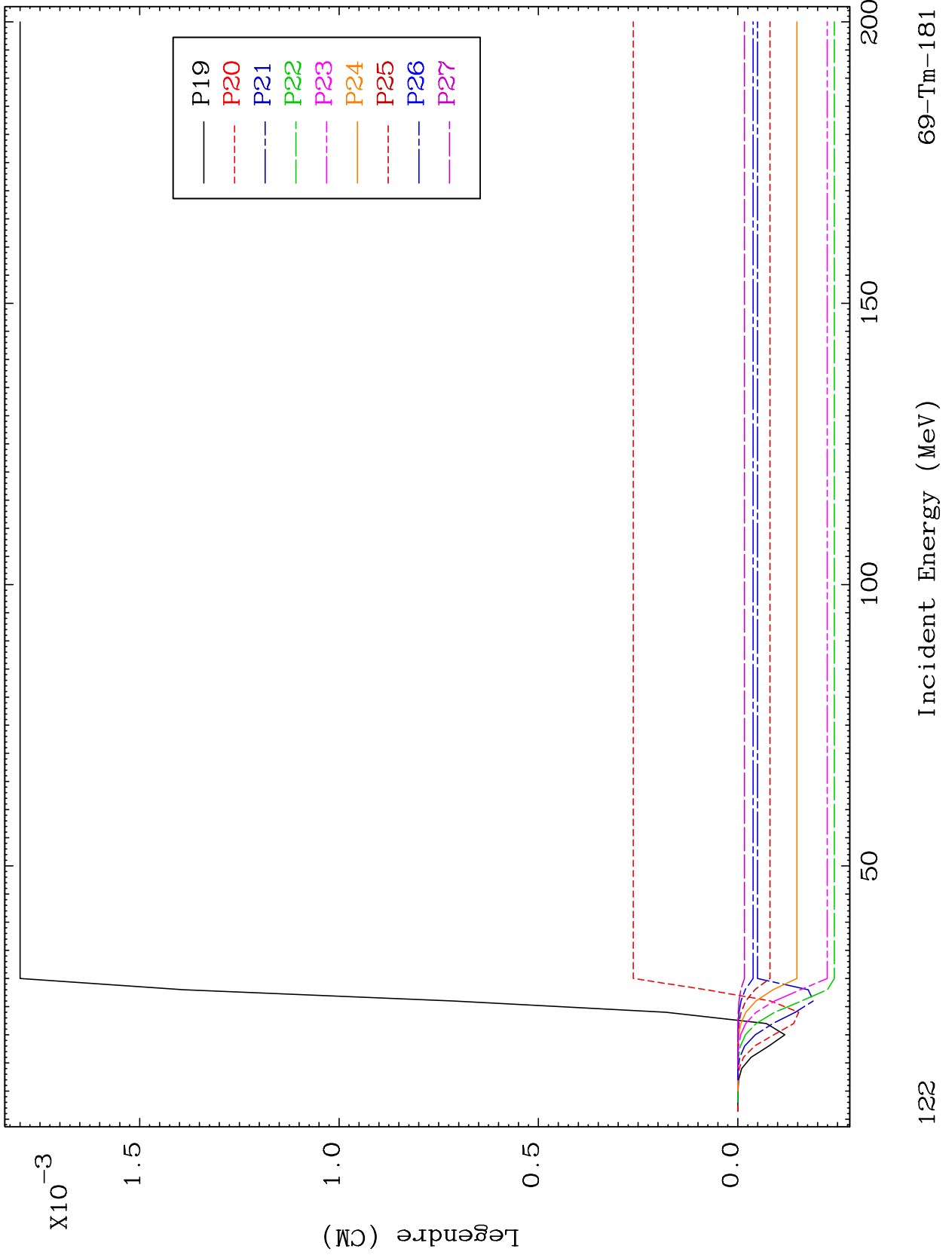




MAT 6961

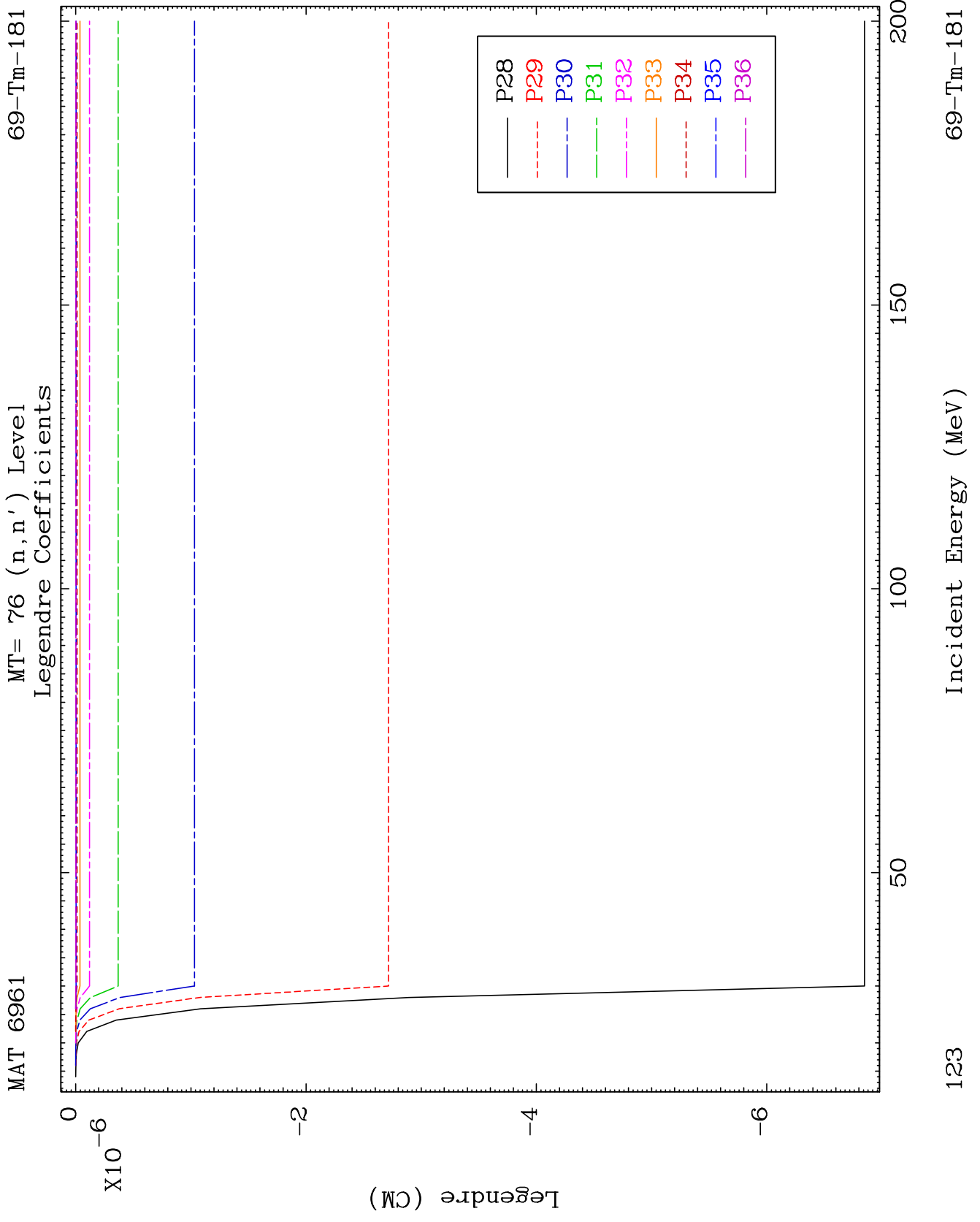
MT= 76 (n,n') Level
Legendre Coefficients

69-Tm-181



122

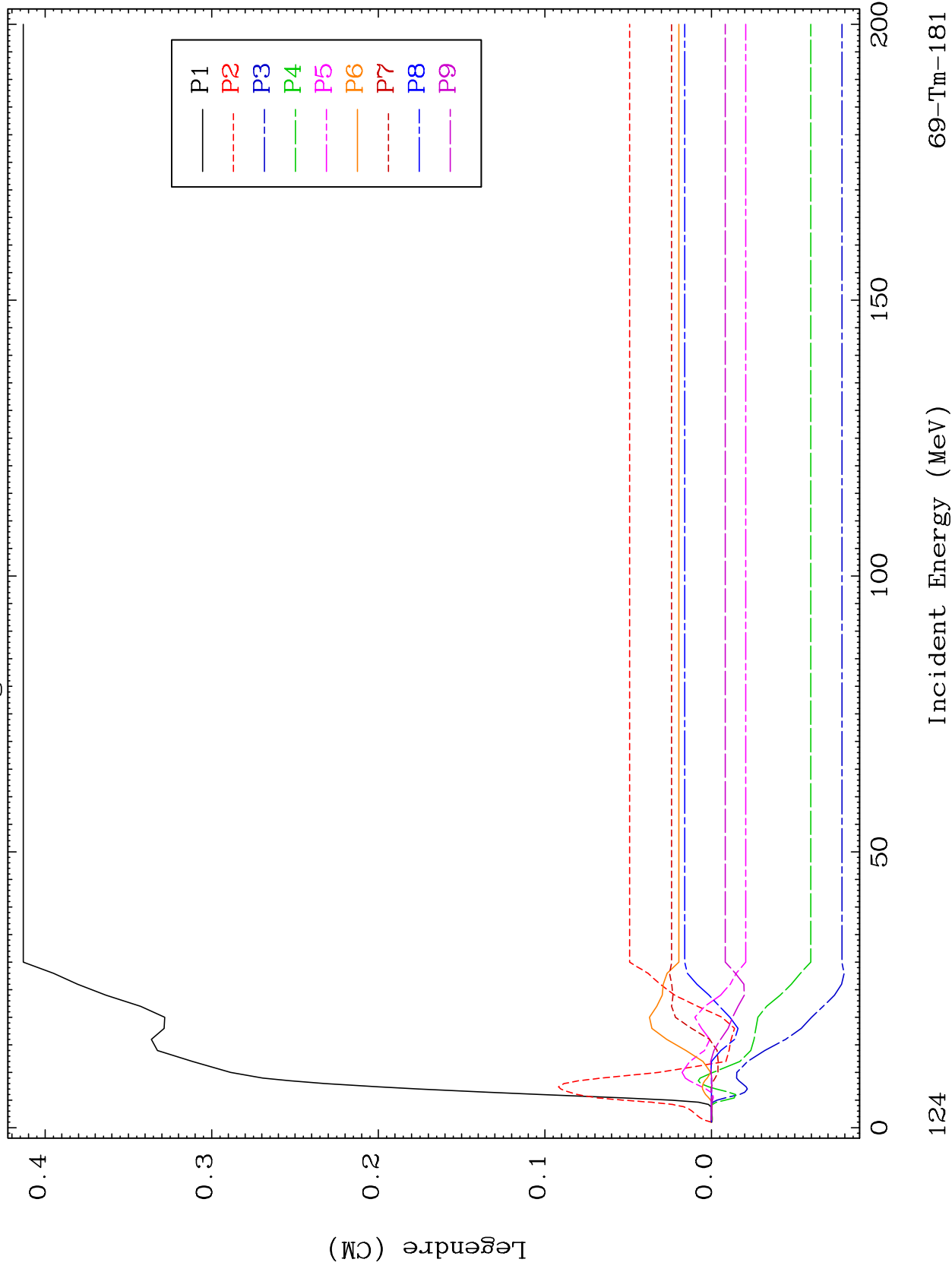
69-Tm-181



MAT 6961

MT= 77 (n,n') Level
Legendre Coefficients

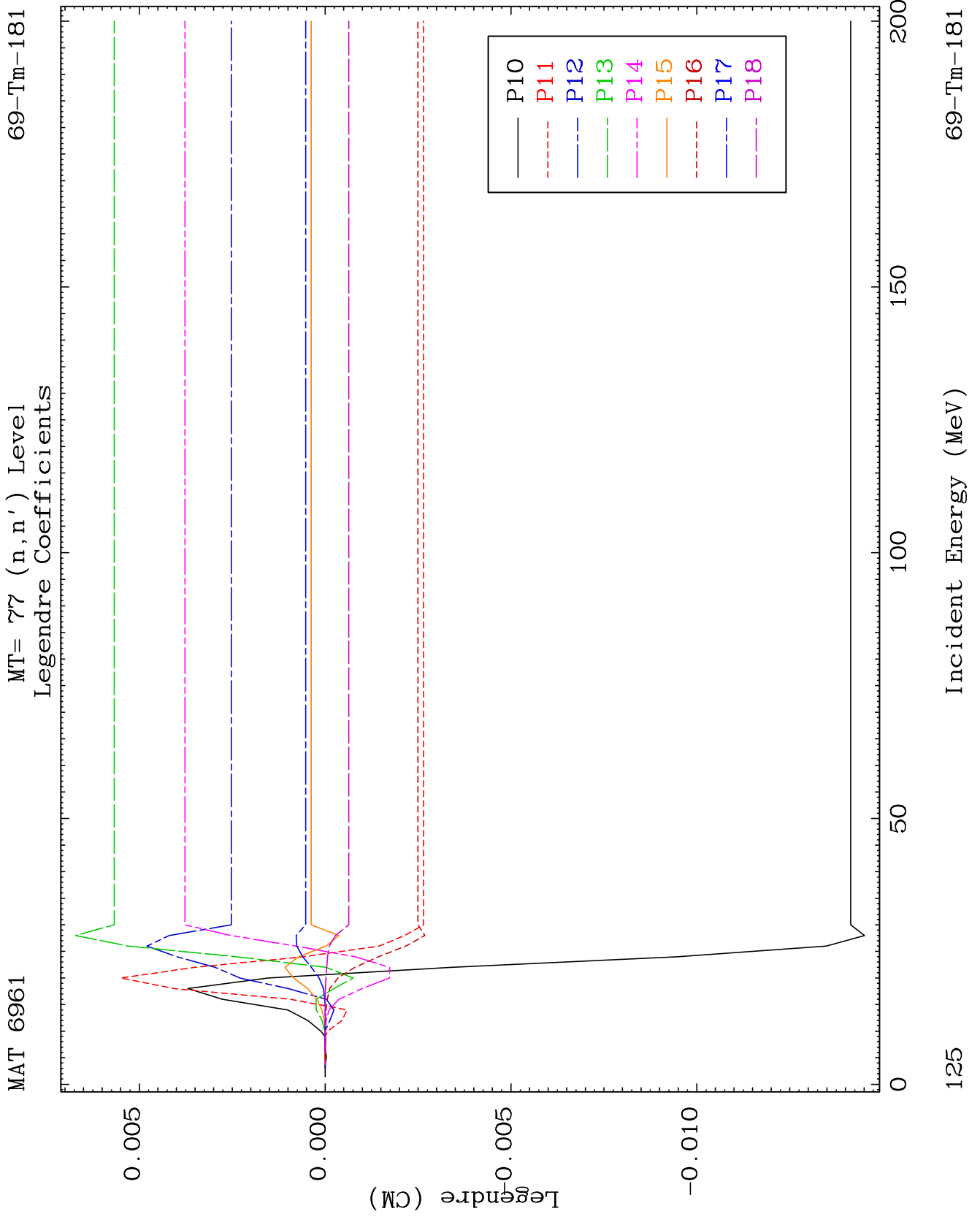
69-Tm-181



124

Incident Energy (MeV)

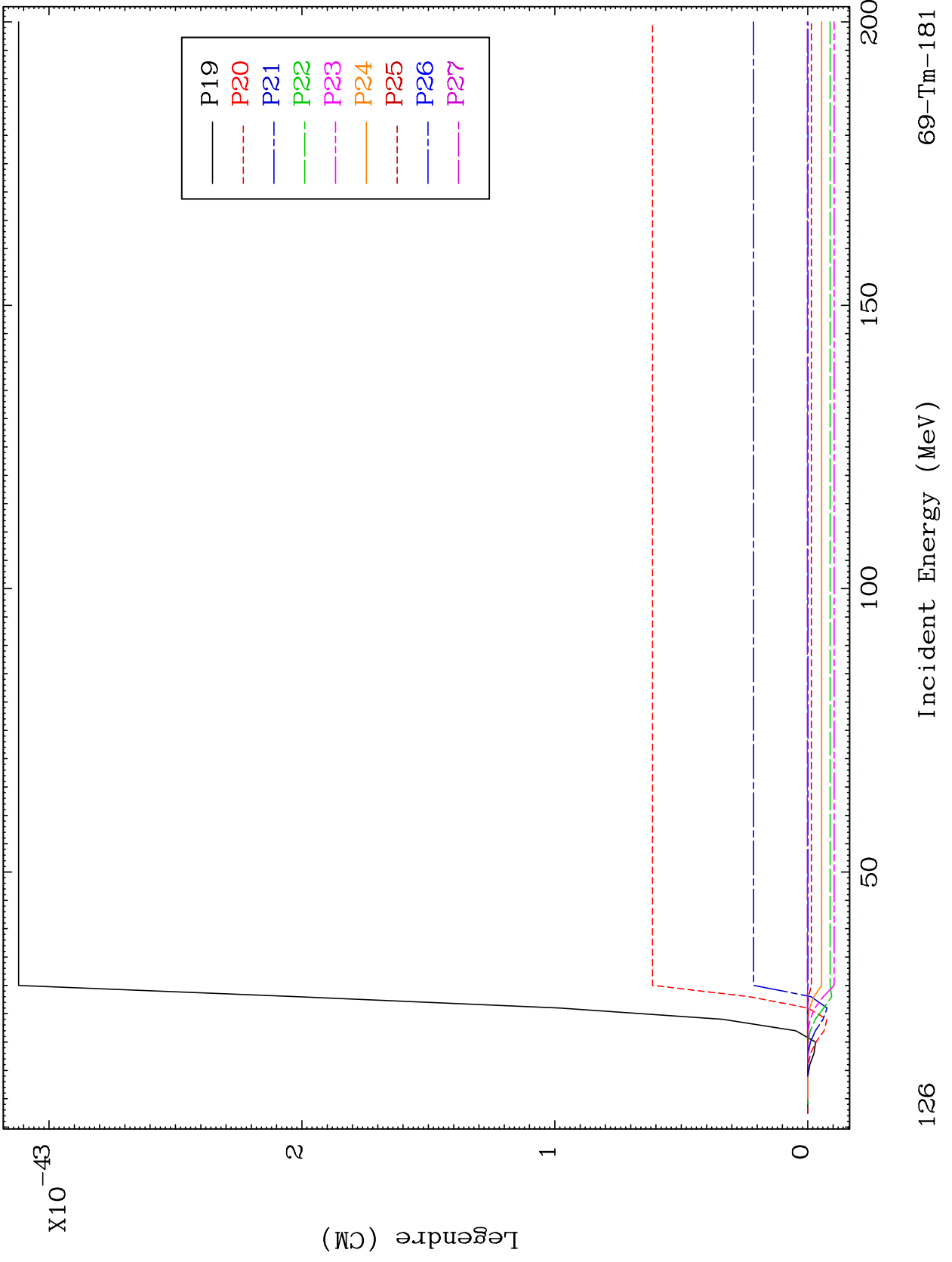
69-Tm-181



MAT 6961

MT= 77 (n,n') Level
Legendre Coefficients

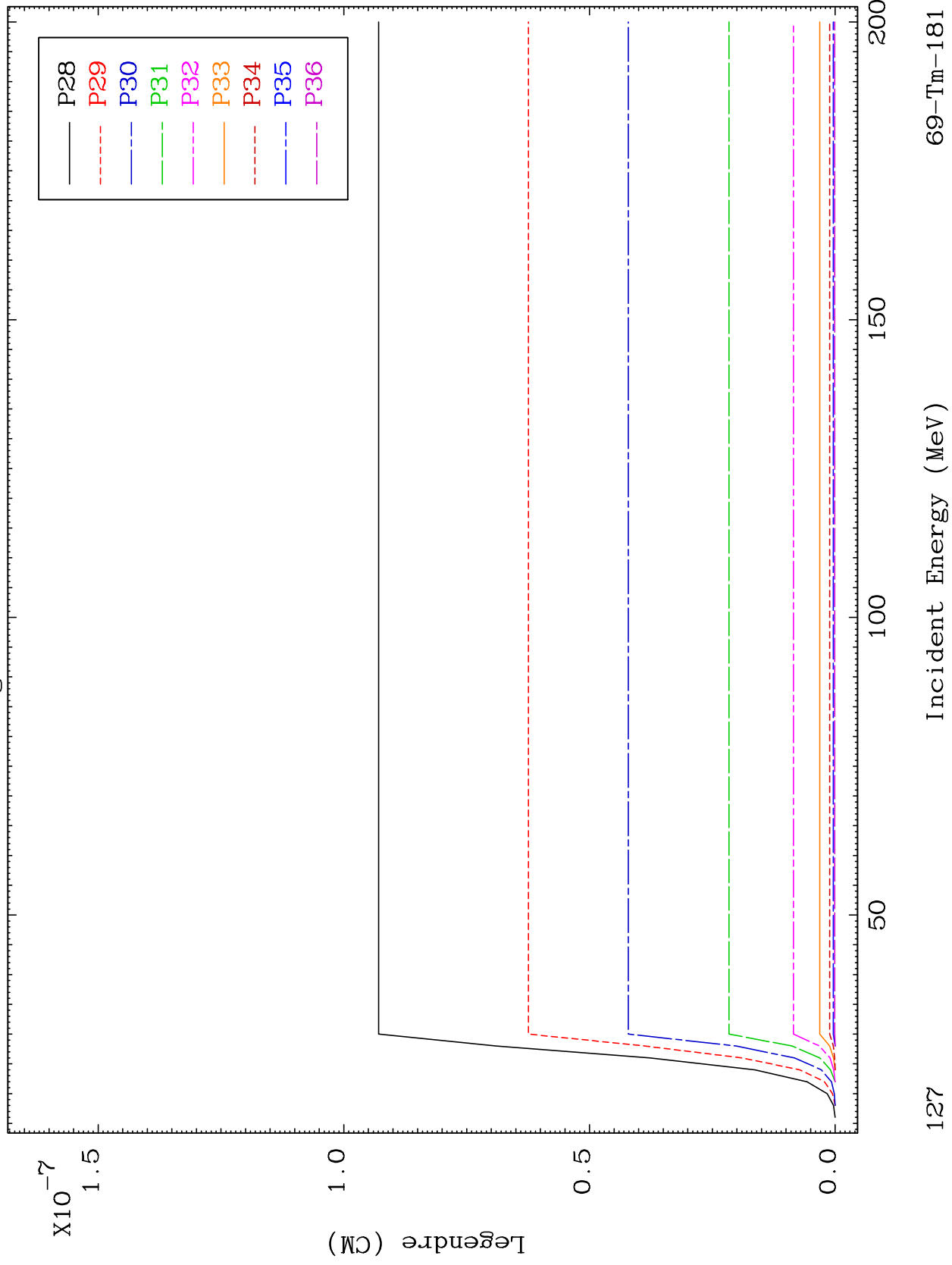
69-Tm-181



MAT 6961

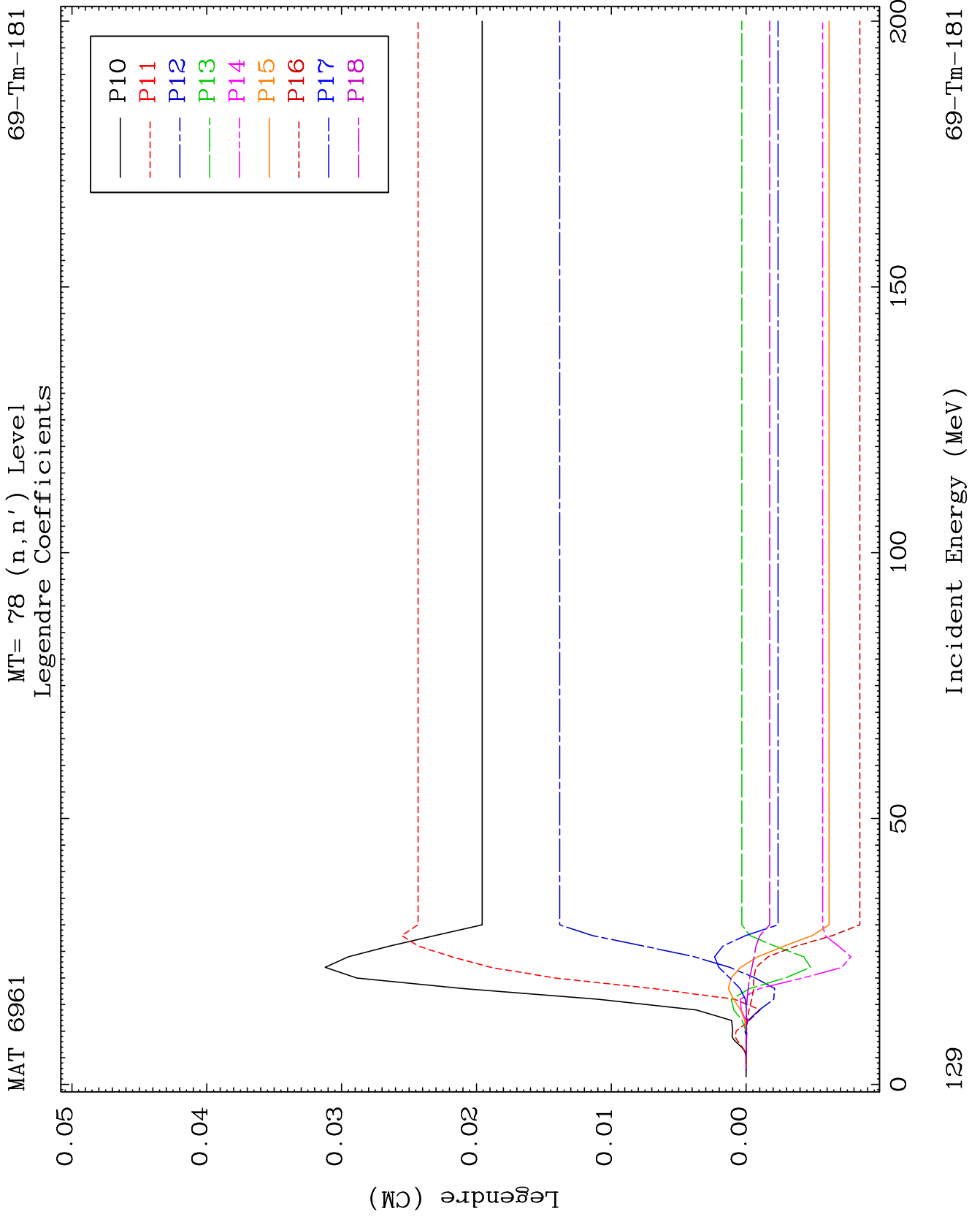
MT= 77 (n,n') Level
Legendre Coefficients

69-Tm-181



127

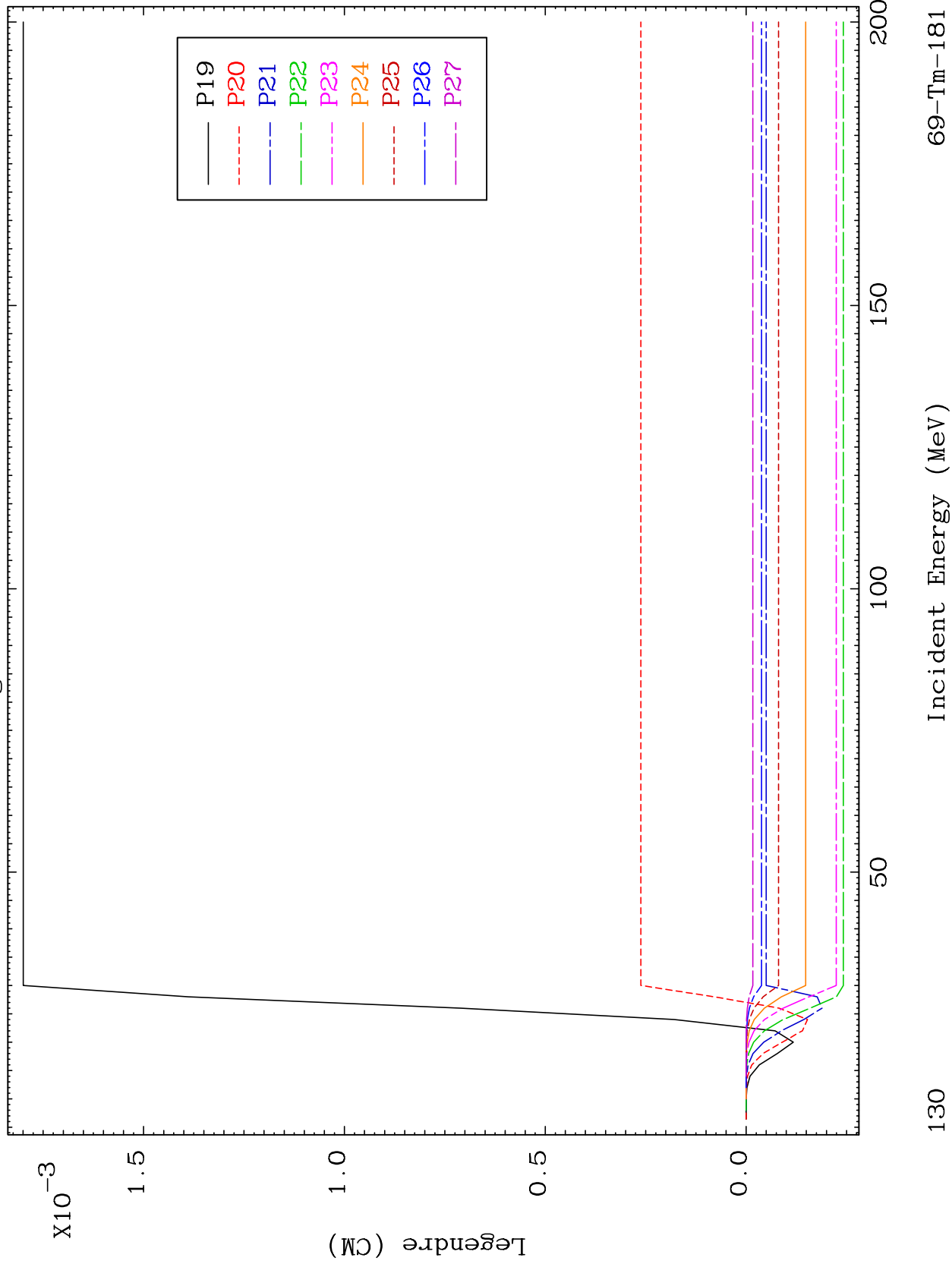
69-Tm-181



MAT 6961

MT= 78 (n,n') Level
Legendre Coefficients

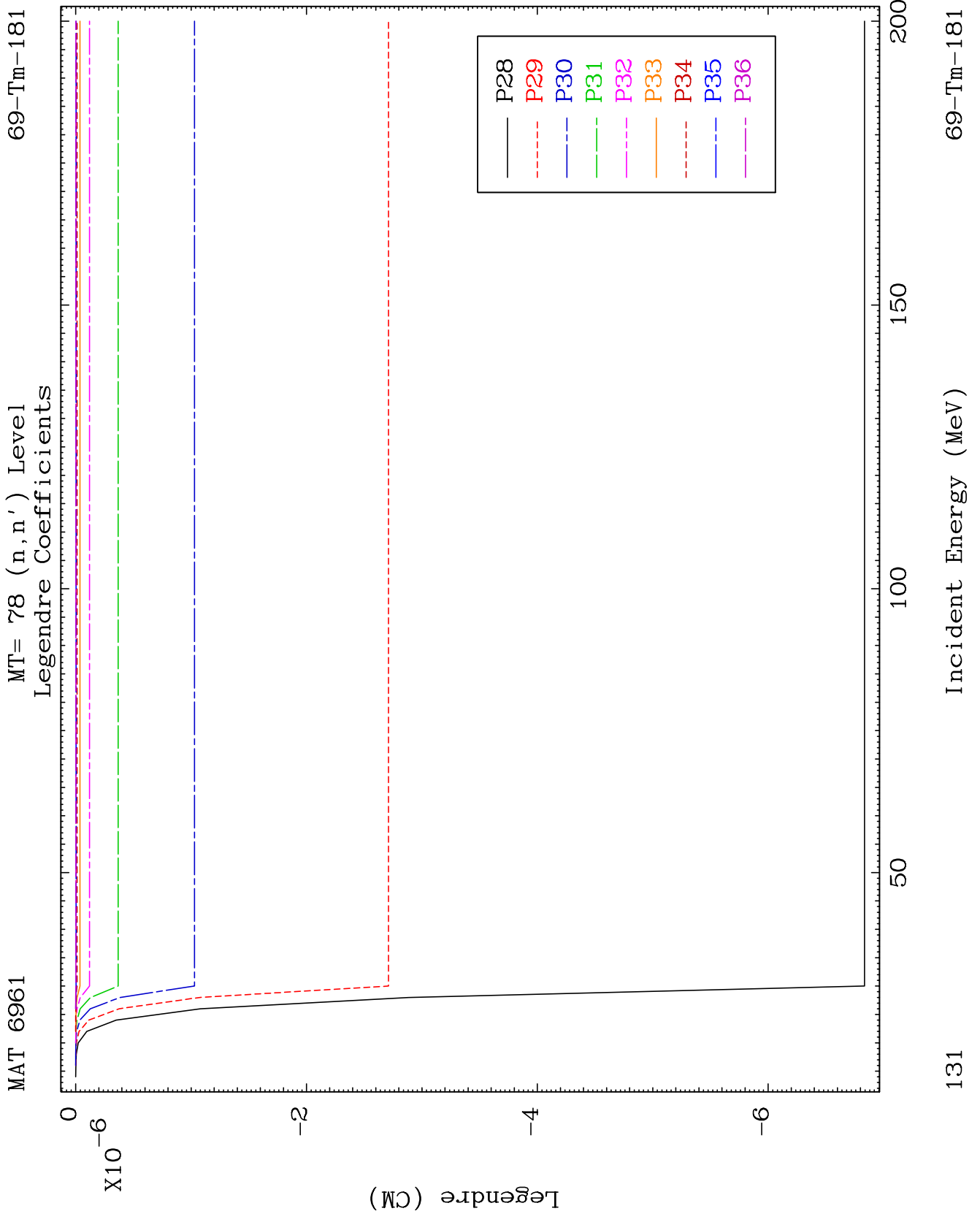
69-Tm-181

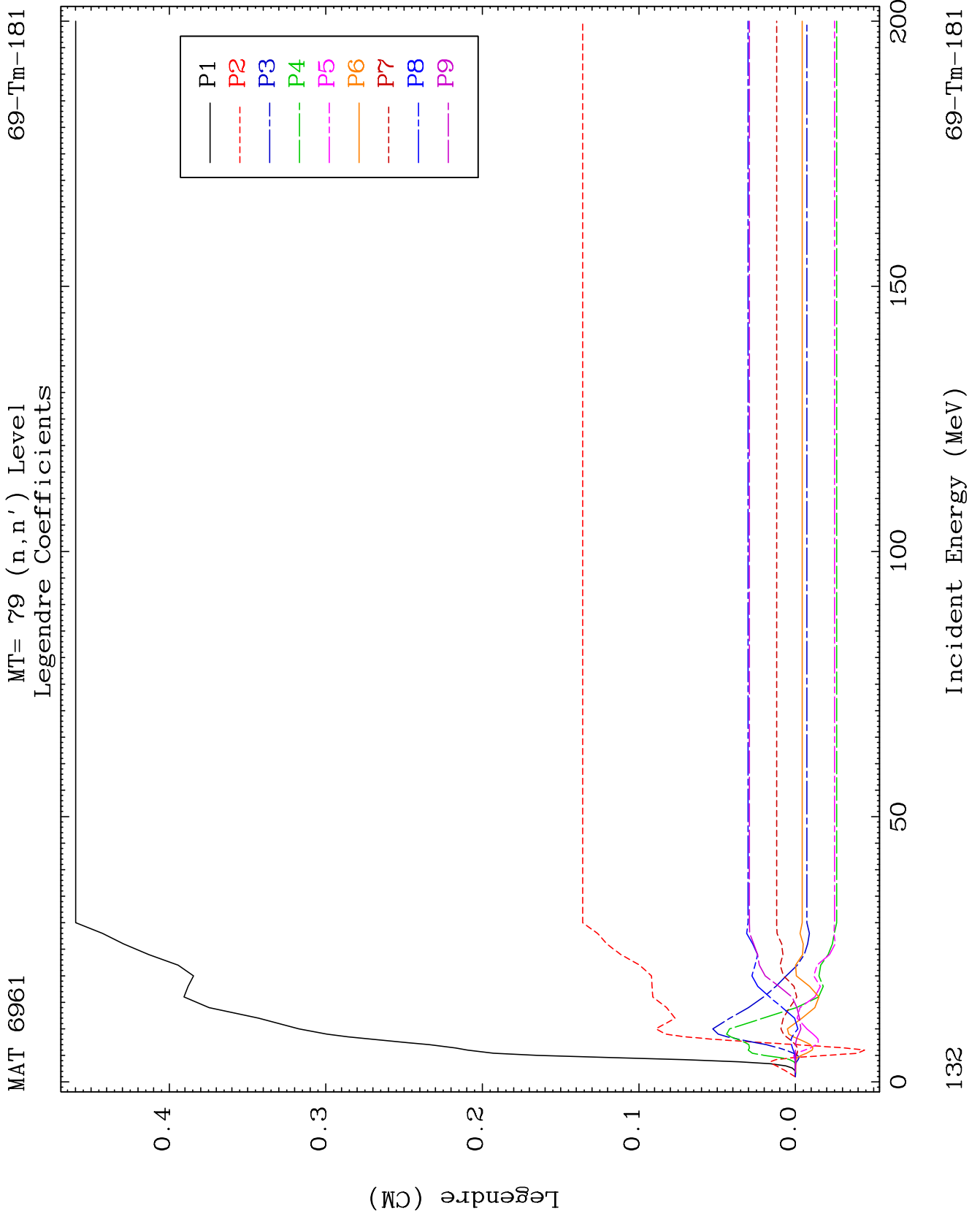


130

Incident Energy (MeV)

69-Tm-181

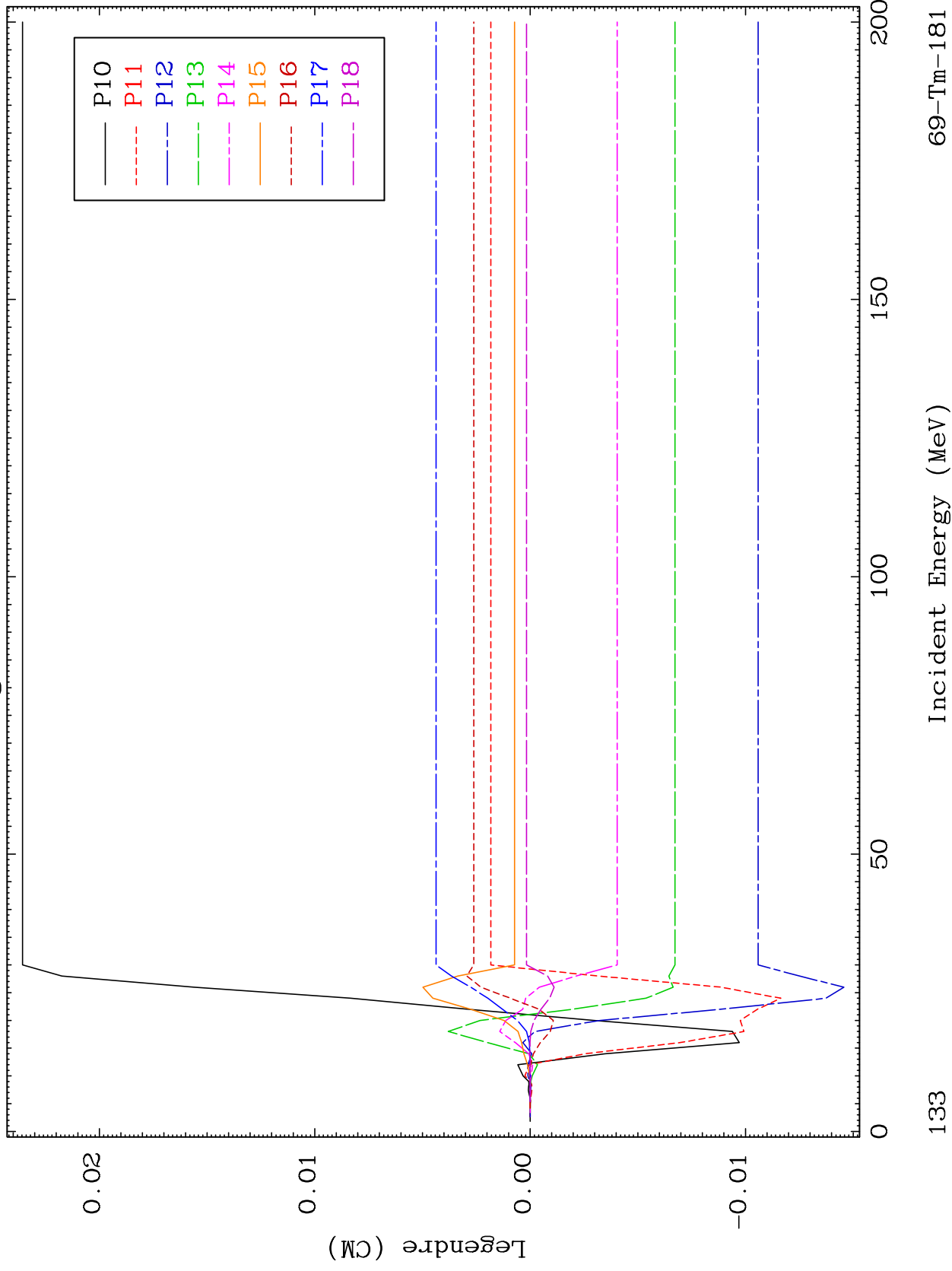




MAT 6961

MT= 79 (n,n') Level
Legendre Coefficients

69-Tm-181



133

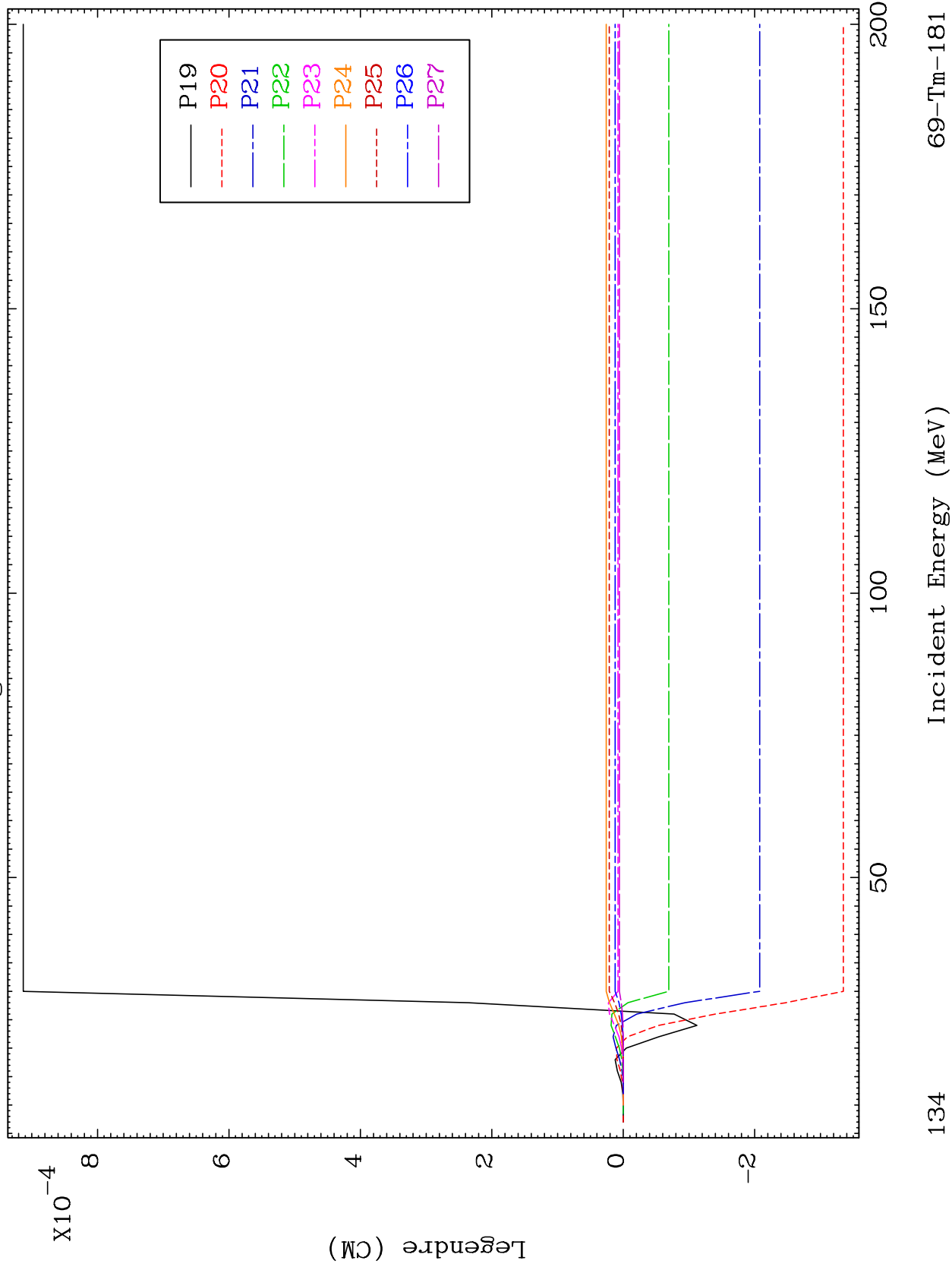
Incident Energy (MeV)

69-Tm-181

MAT 6961

MT= 79 (n,n') Level
Legendre Coefficients

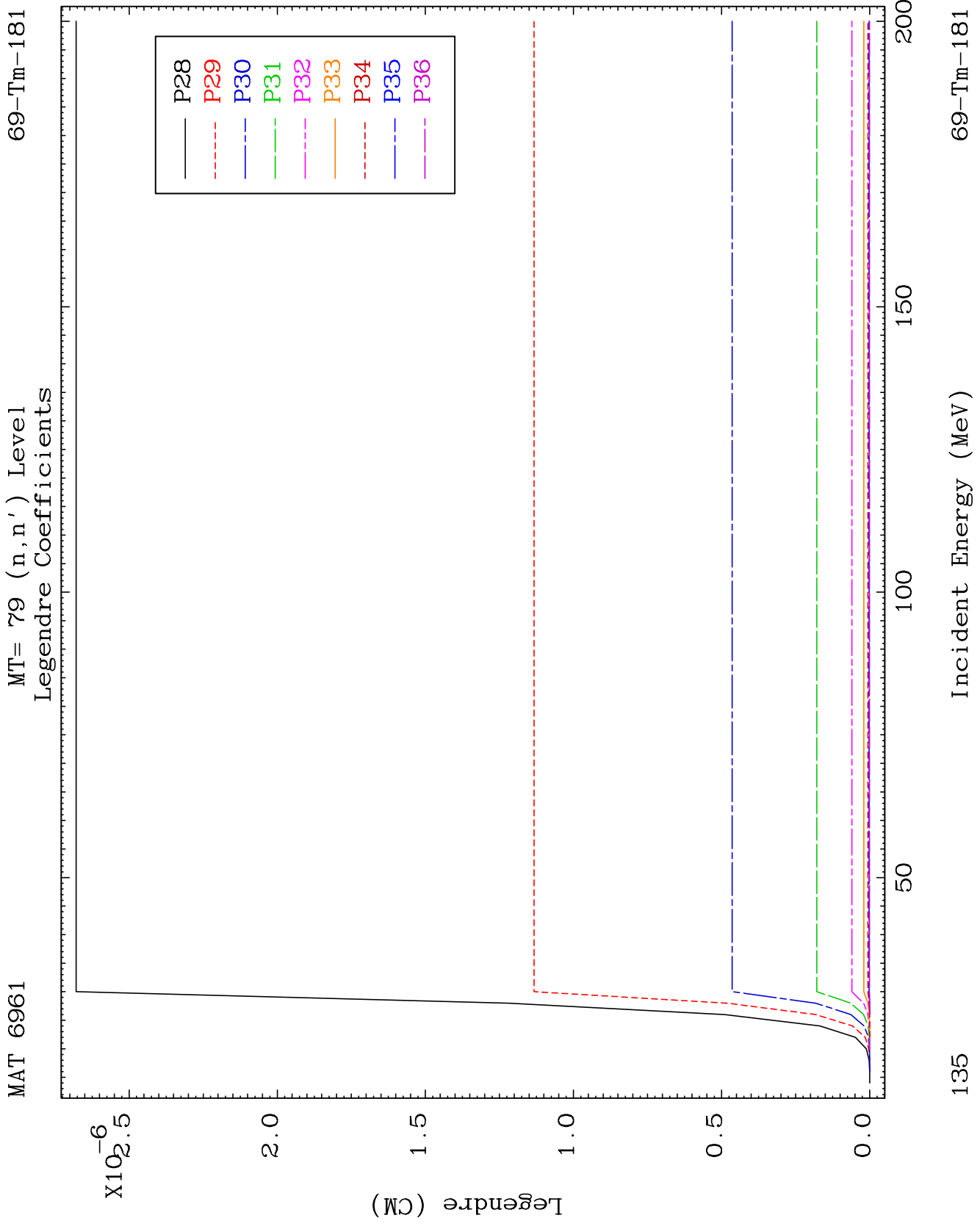
69-Tm-181



134

Incident Energy (MeV)

69-Tm-181



MAT 6961

Fission

⁶⁹Tm-181

Radionuclide Production Cross Section

