

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

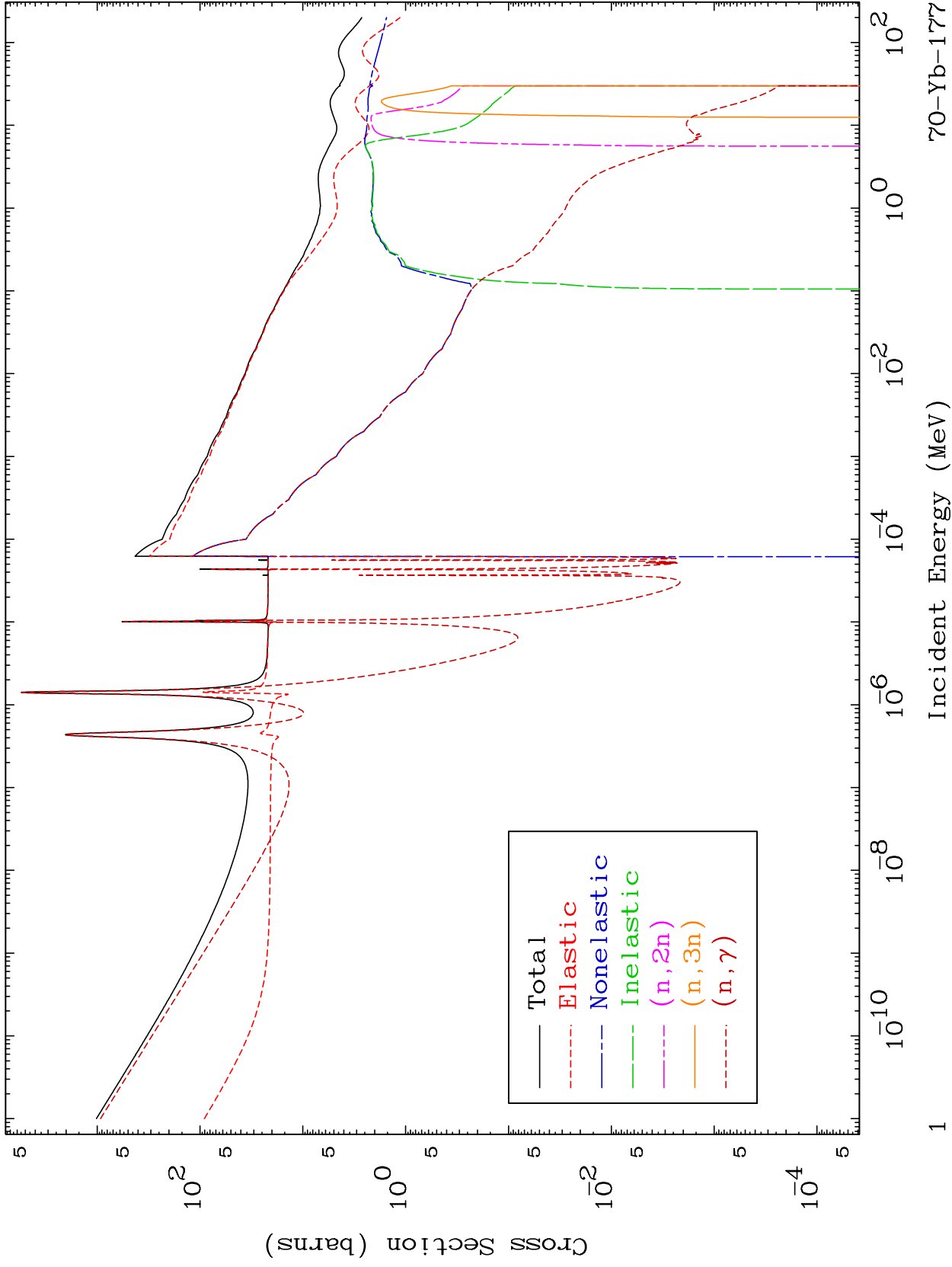
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7052

Neutron Major
293 Kelvin Cross Sections

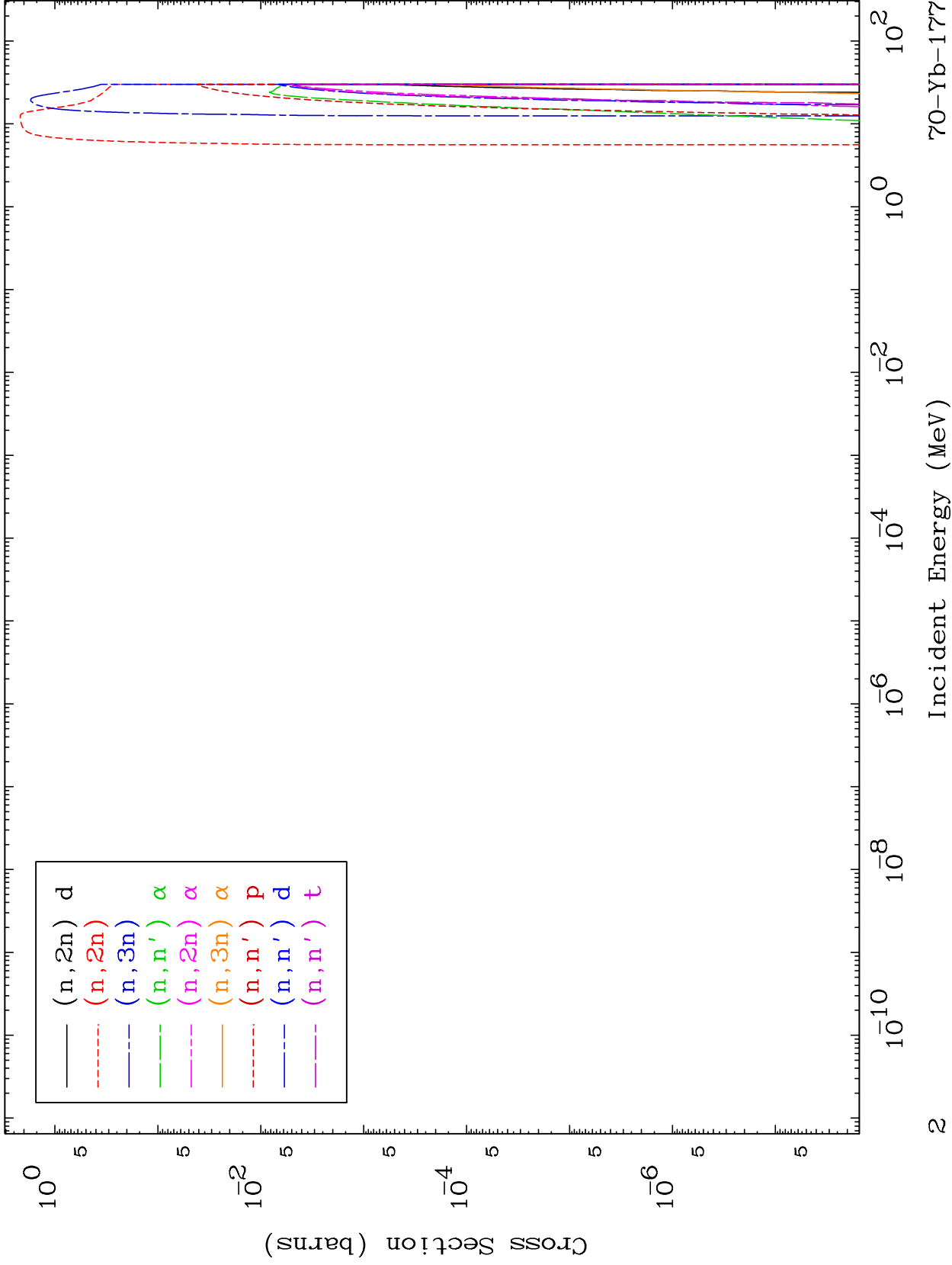
70-Yb-177



MAT 7052

Neutron Absorption
293 Kelvin Cross Sections

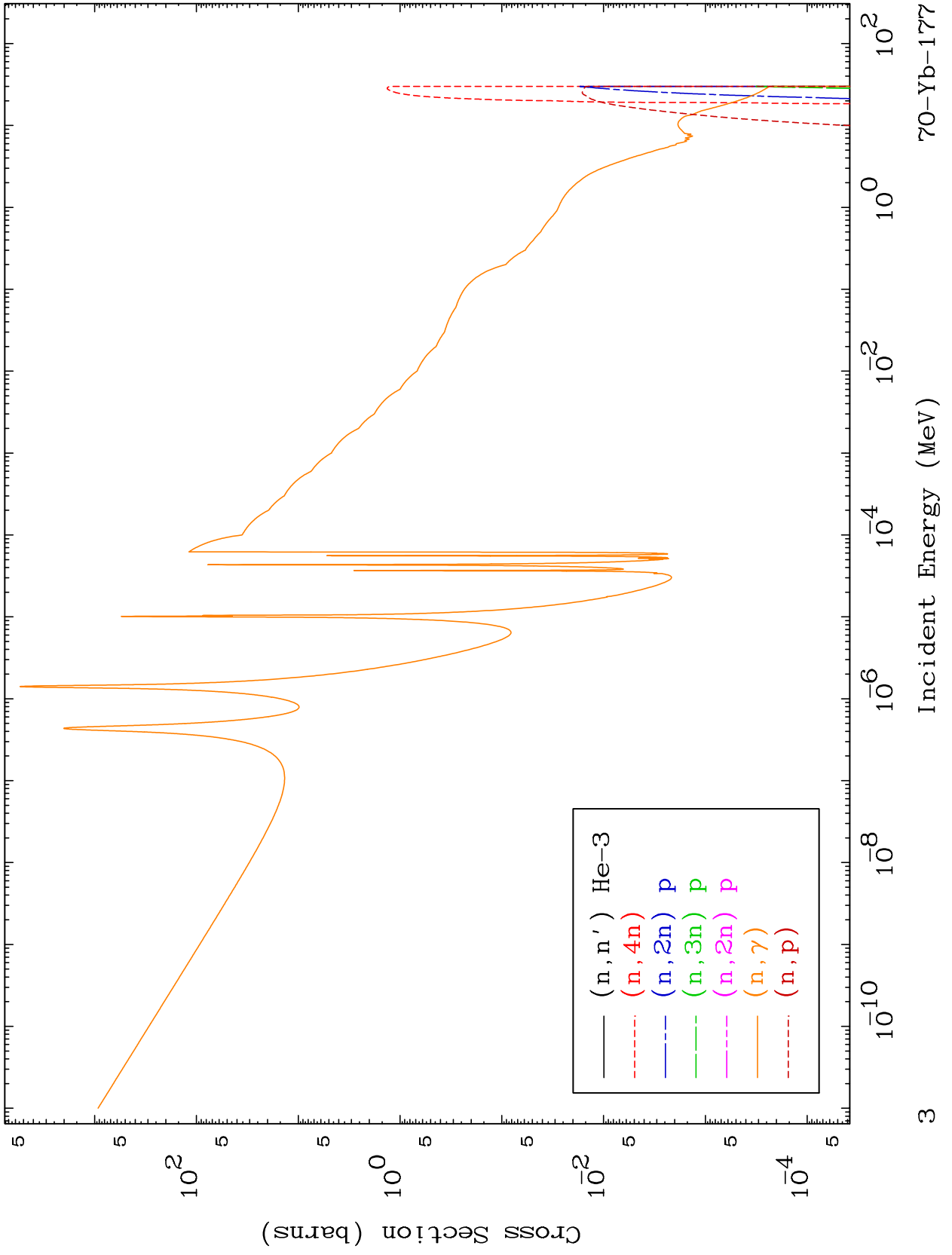
70-Yb-177

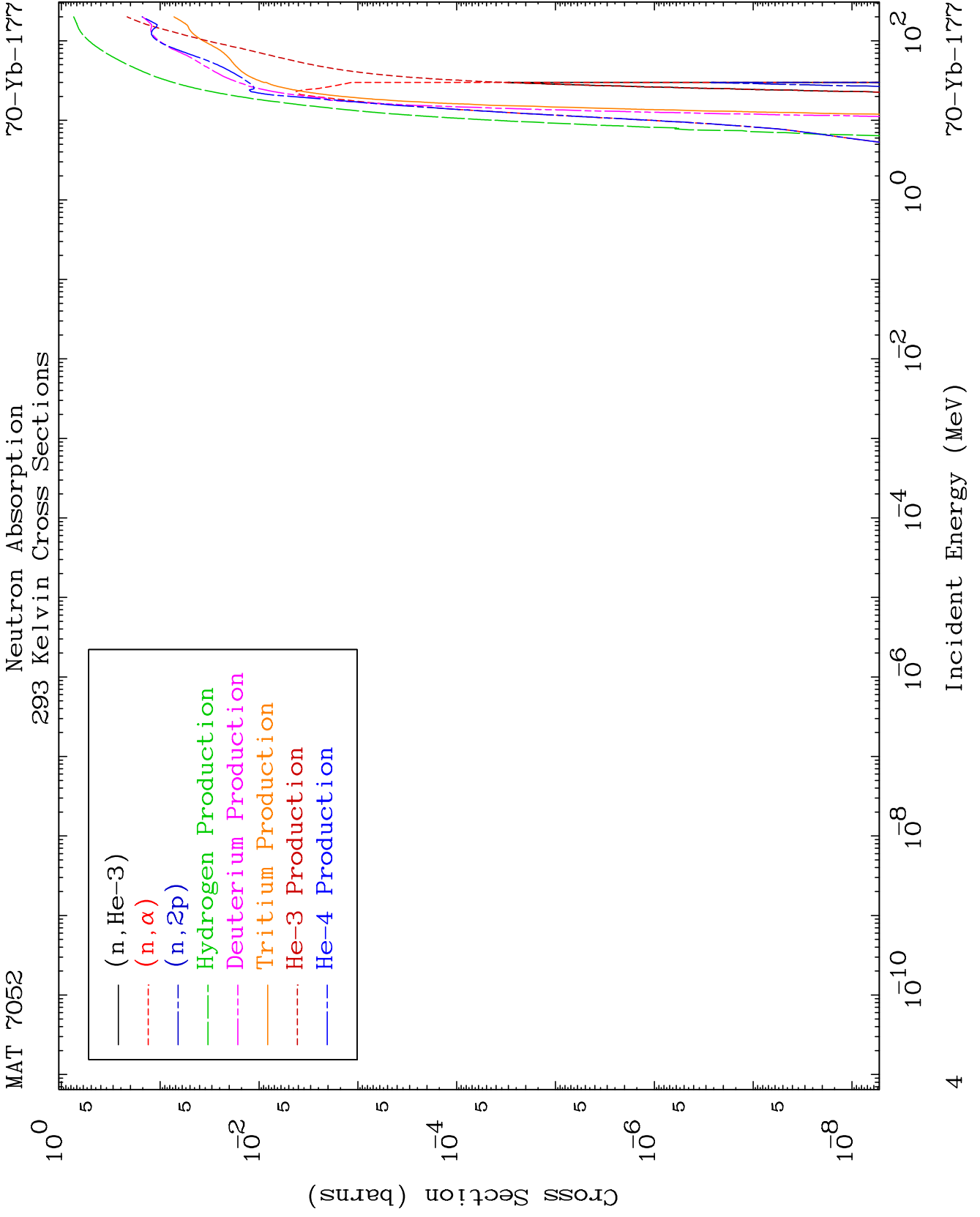


MAT 7052

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-177

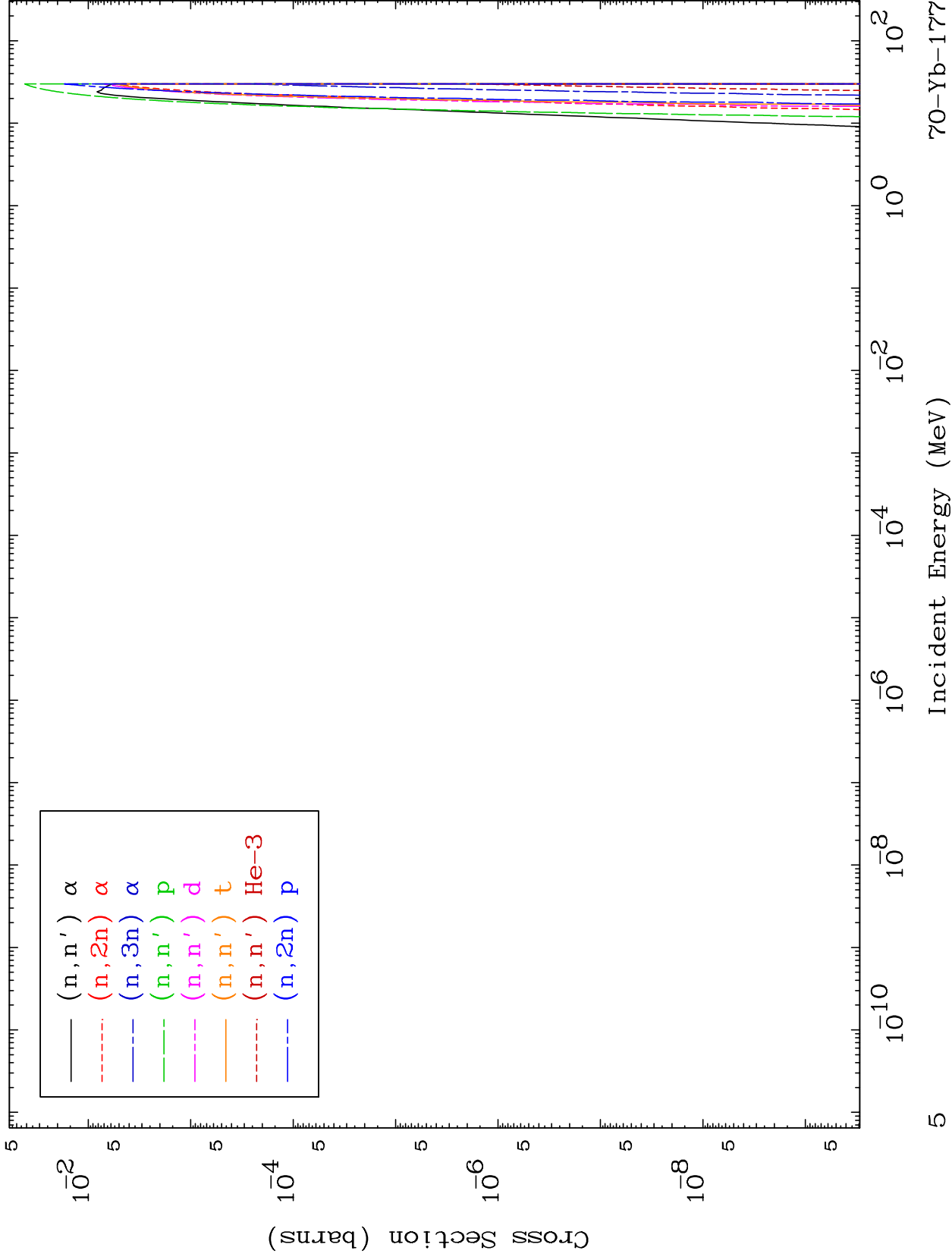




MAT 7052

Charged Particle
293 Kelvin Cross Sections

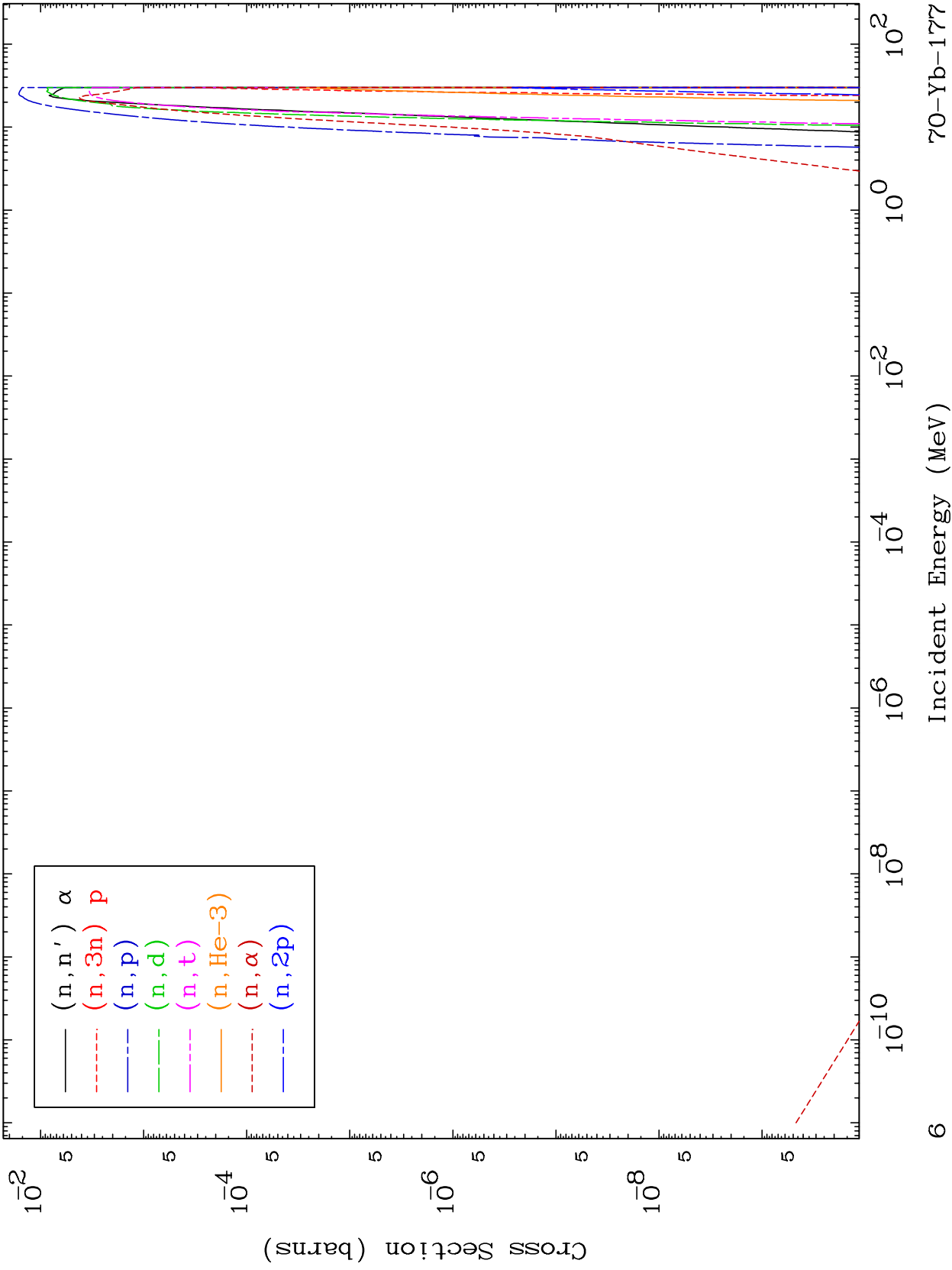
70-Yb-177



MAT 7052

Charged Particle
293 Kelvin Cross Sections

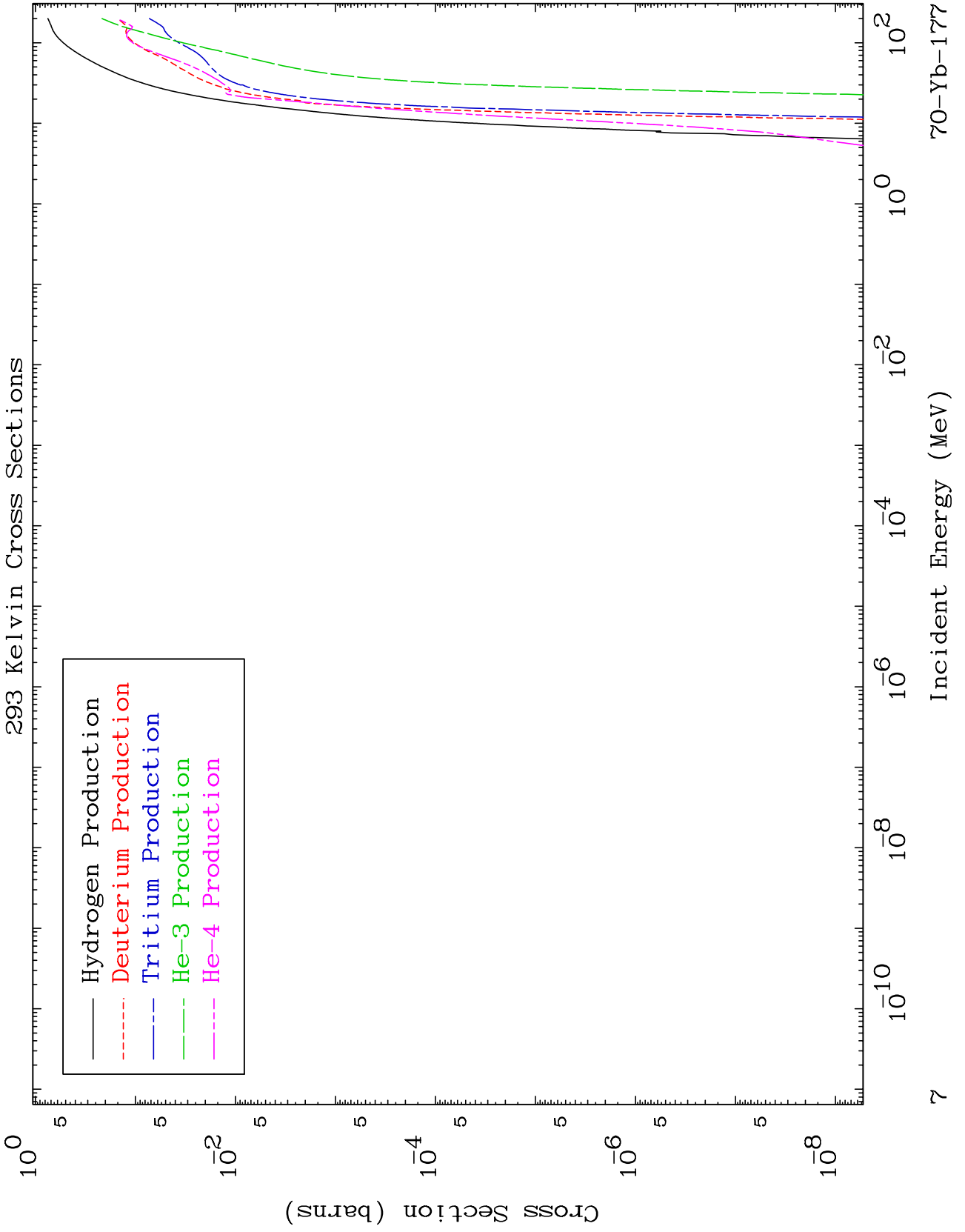
70-Yb-177



MAT 7052

Particle Production
293 Kelvin Cross Sections

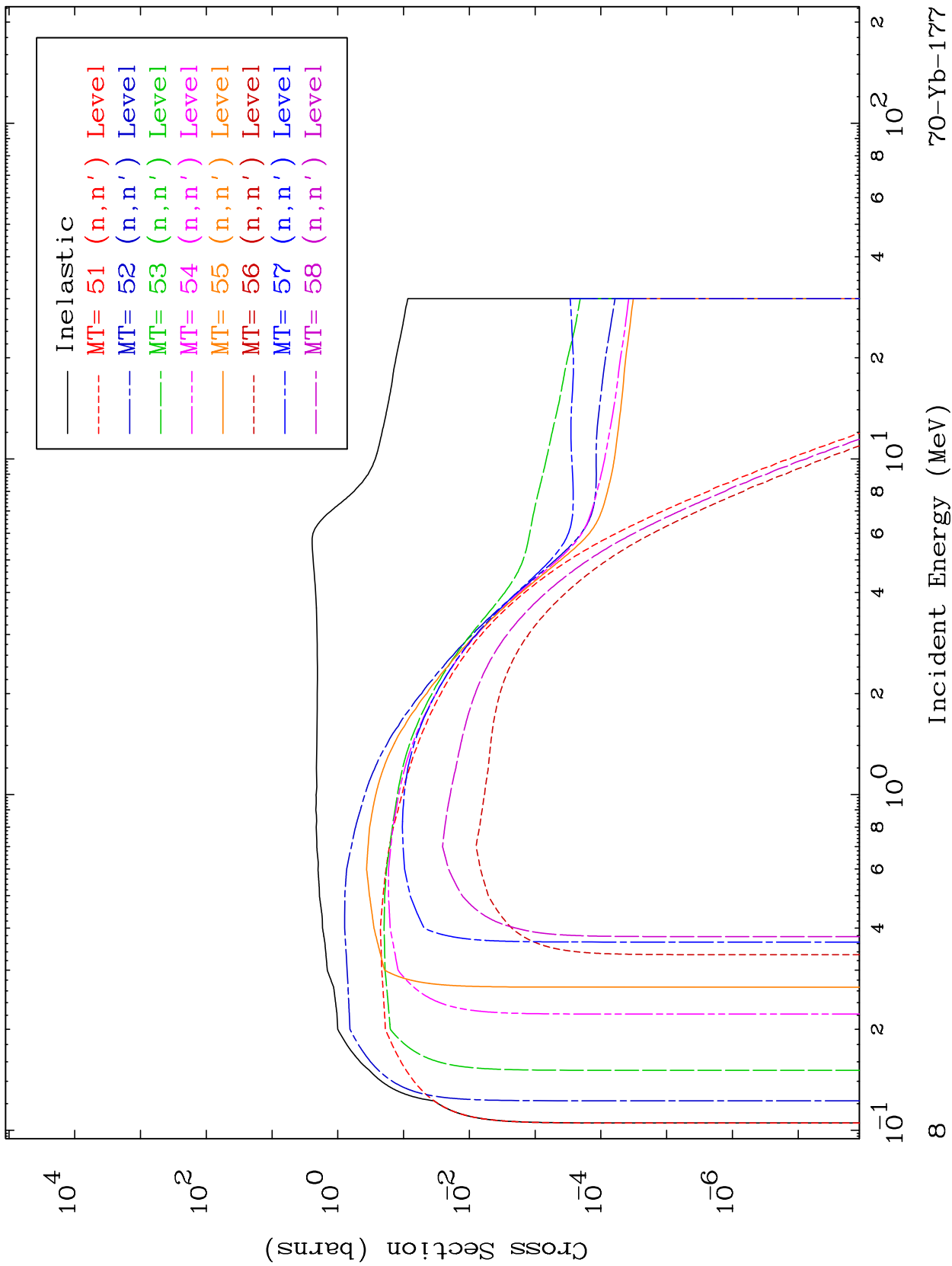
70-Yb-177



MAT 7052

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-177



70-Yb-177

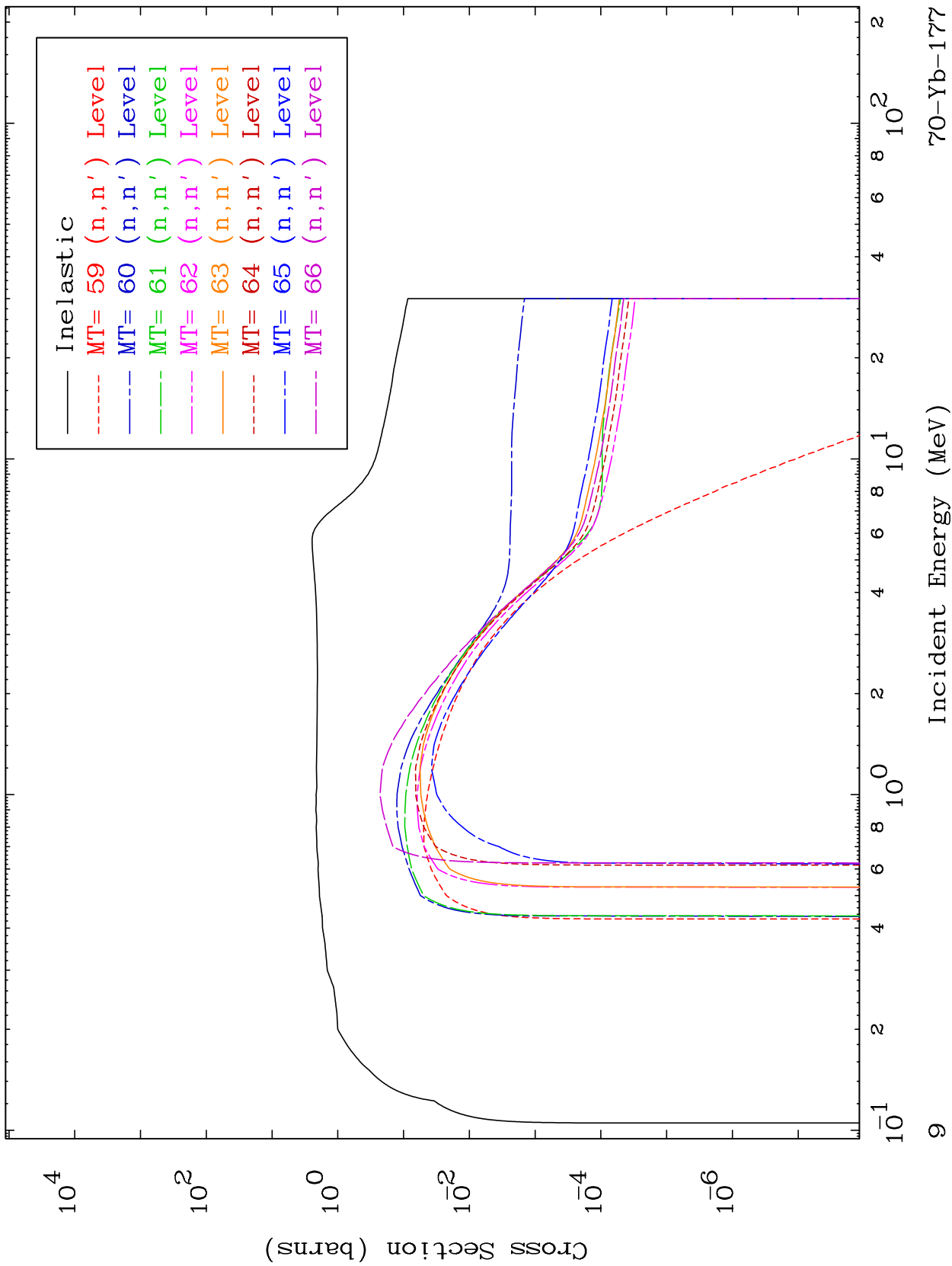
Incident Energy (MeV)

8

MAT 7052

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-177

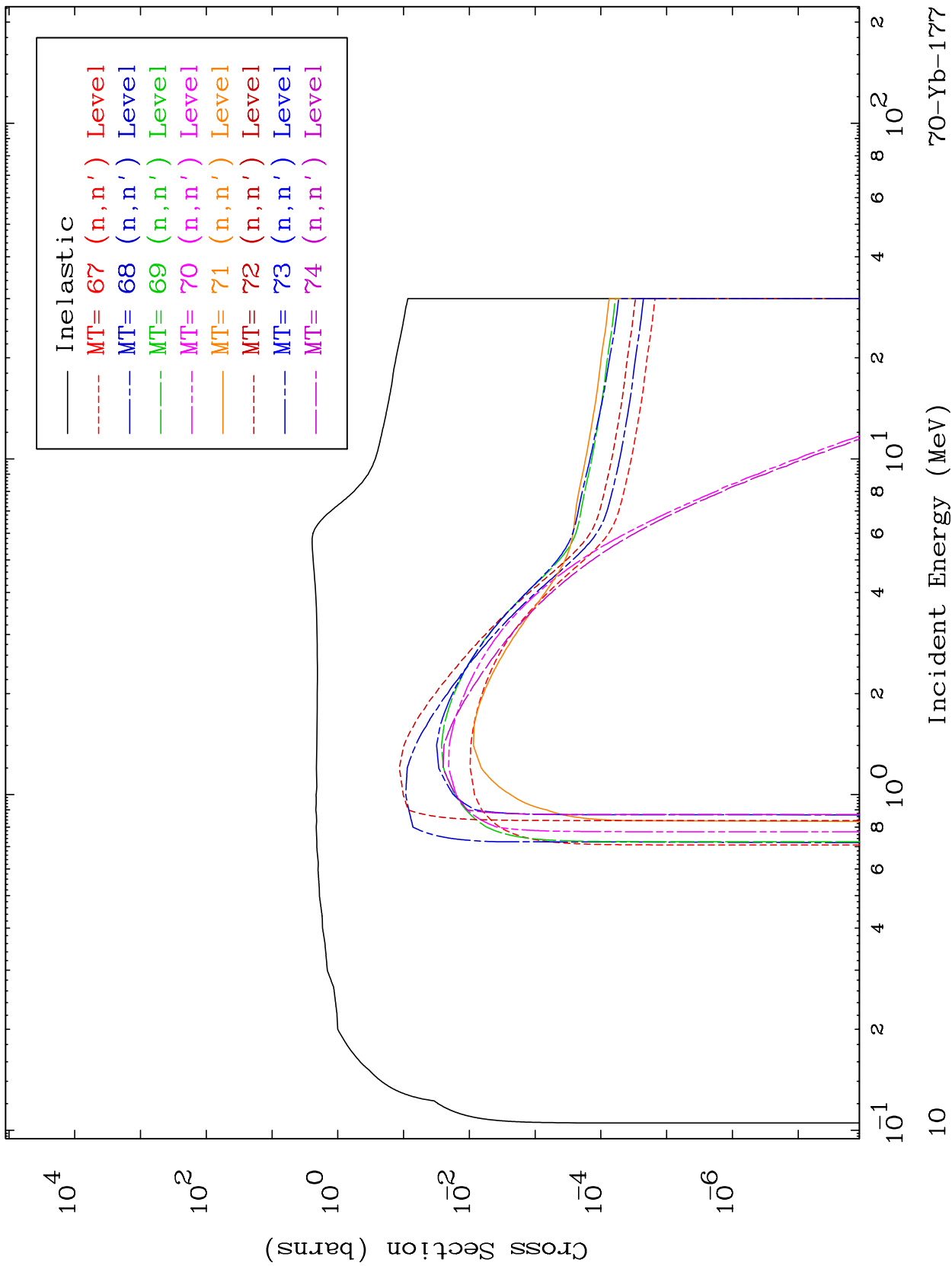


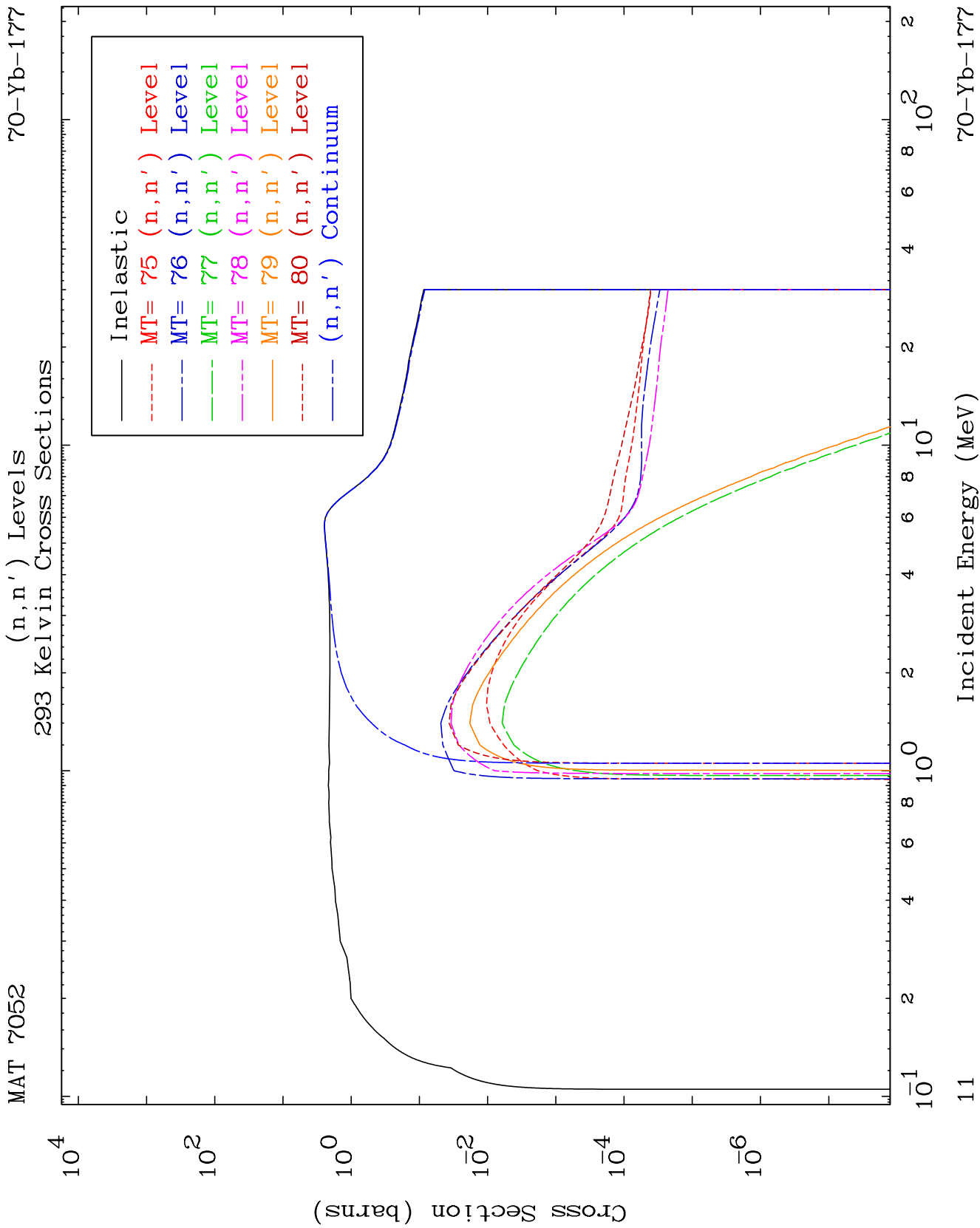
9

MAT 7052

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-177

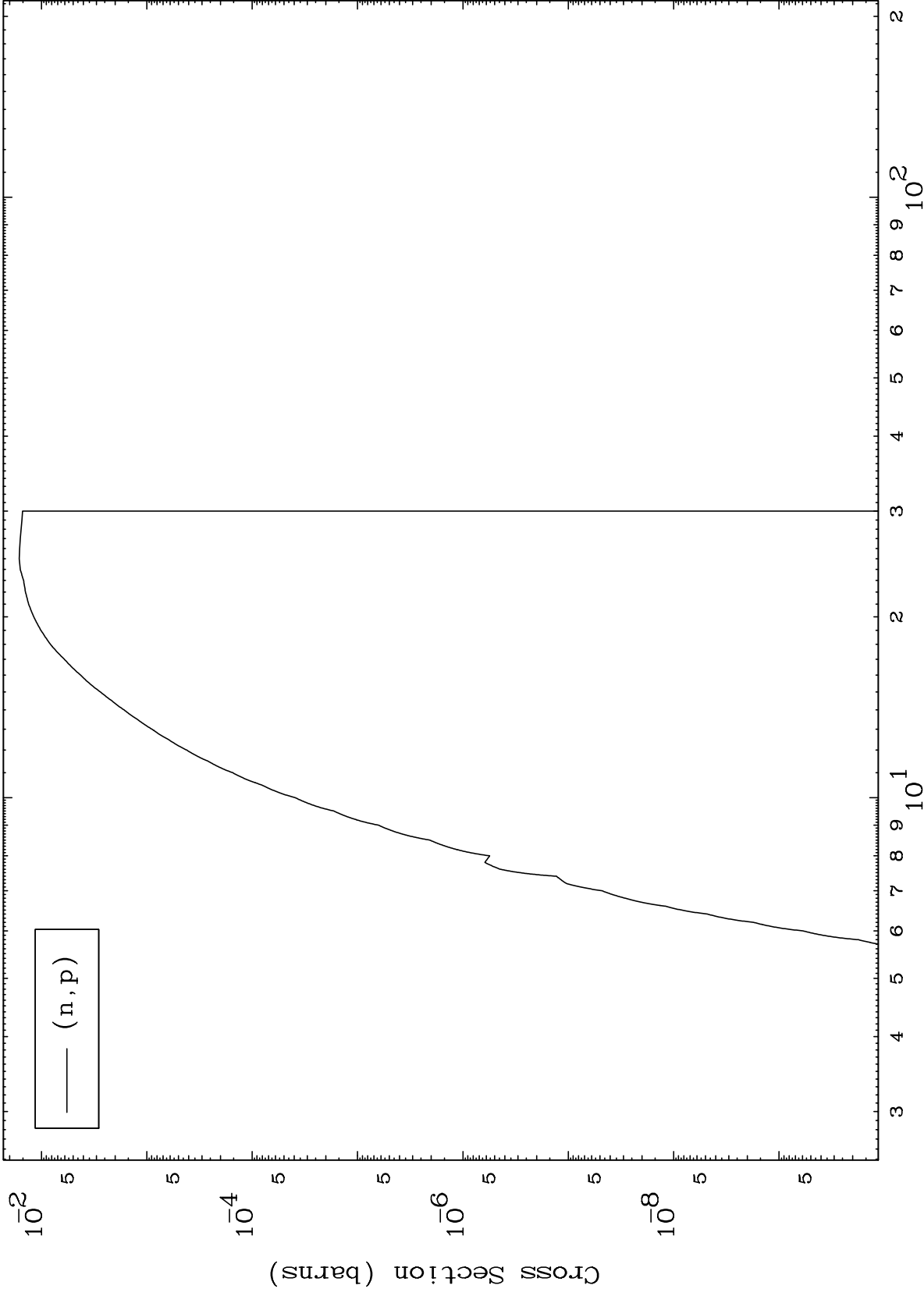




MAT 7052

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-177



12

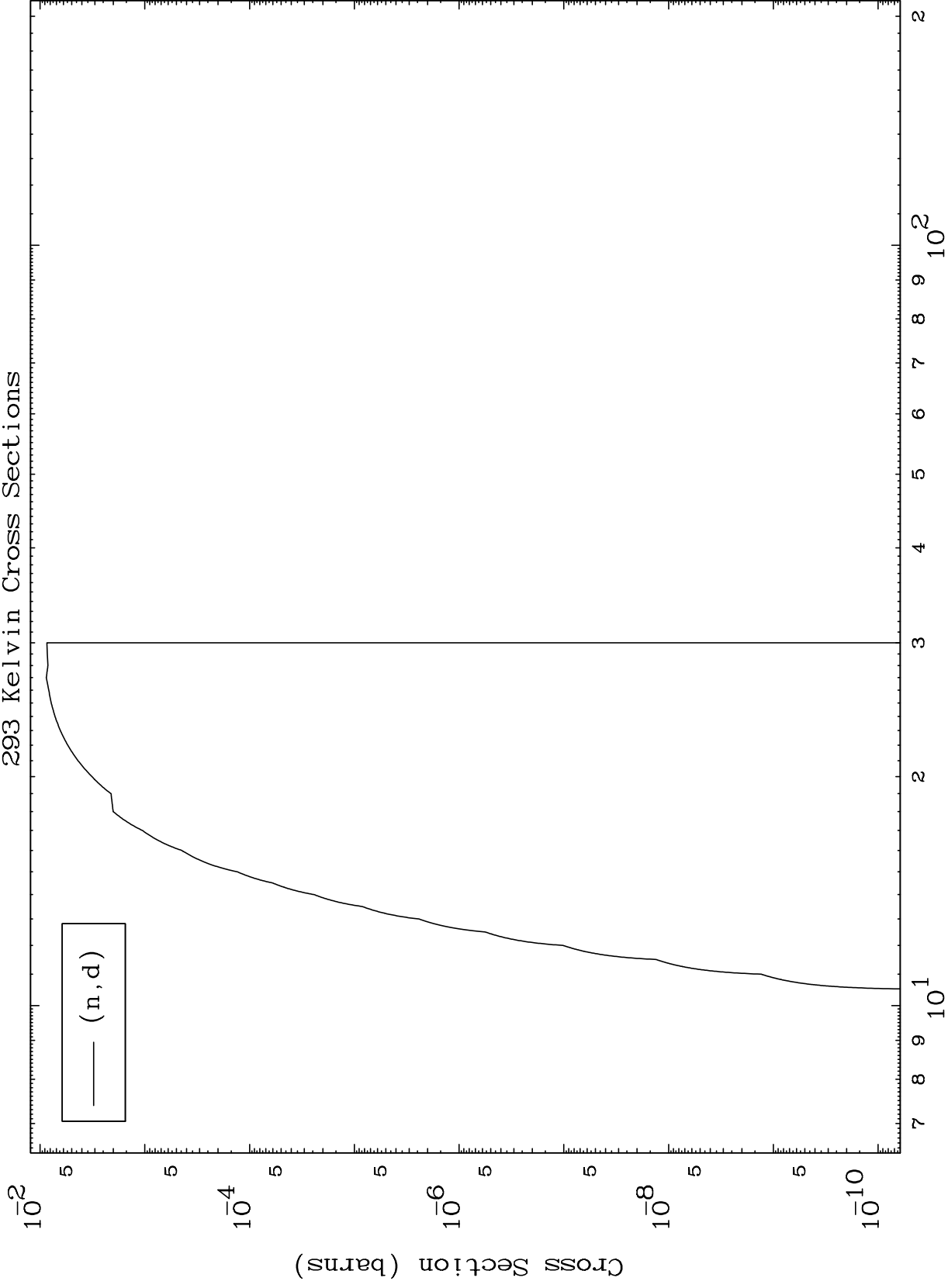
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-177



13

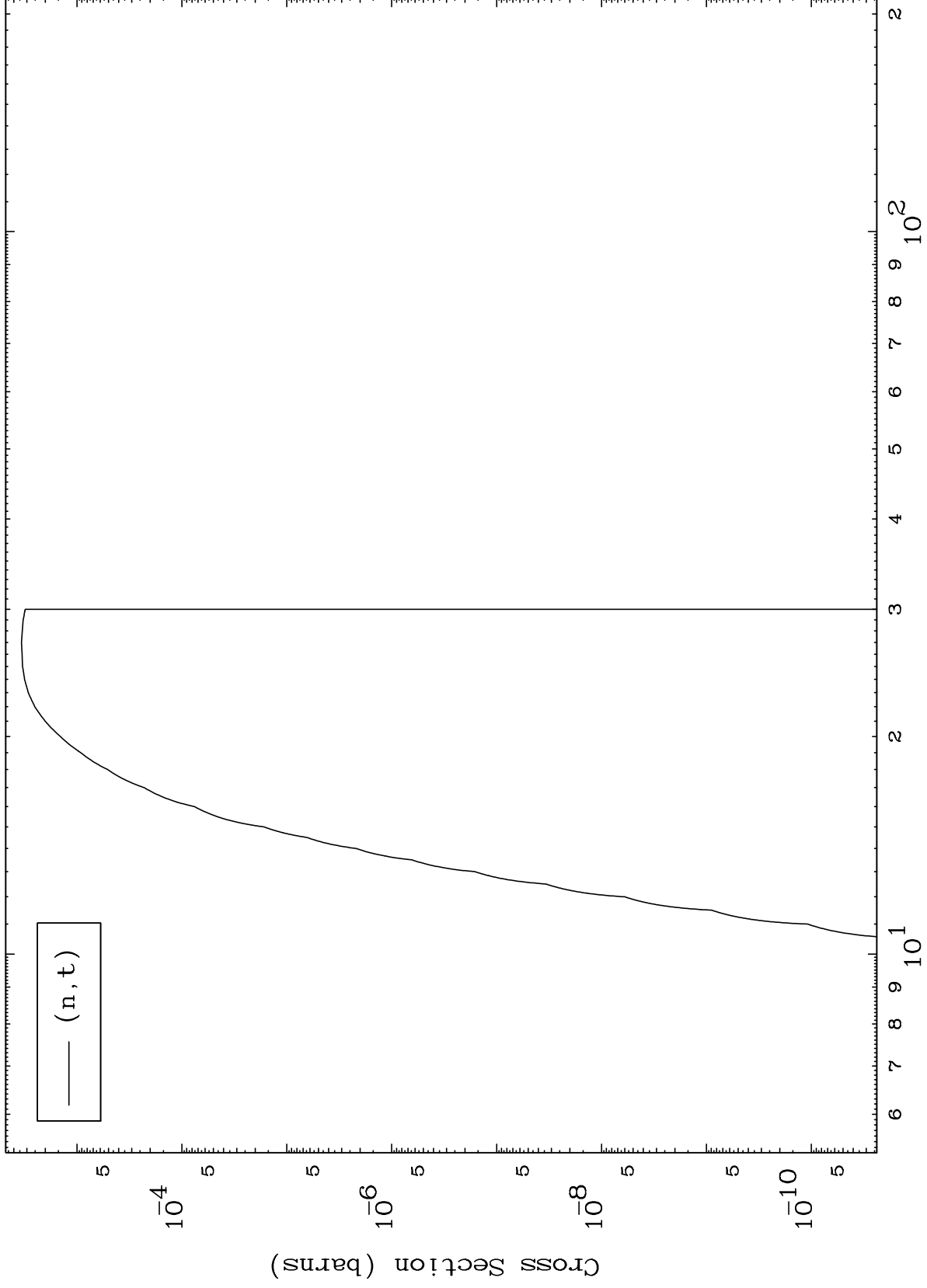
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-177



14

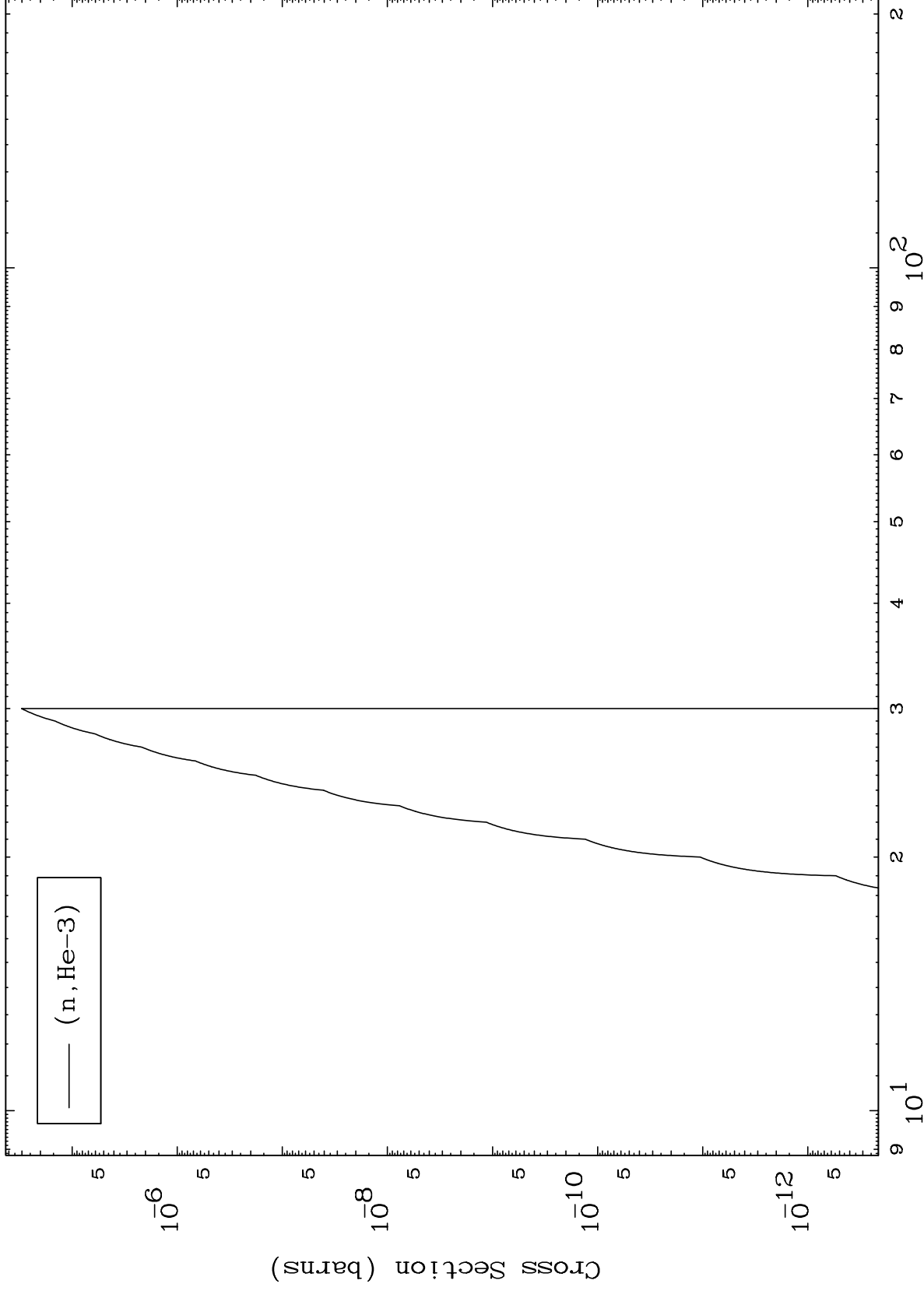
Incident Energy (MeV)

70-Yb-177

MAT 7052

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-177



15

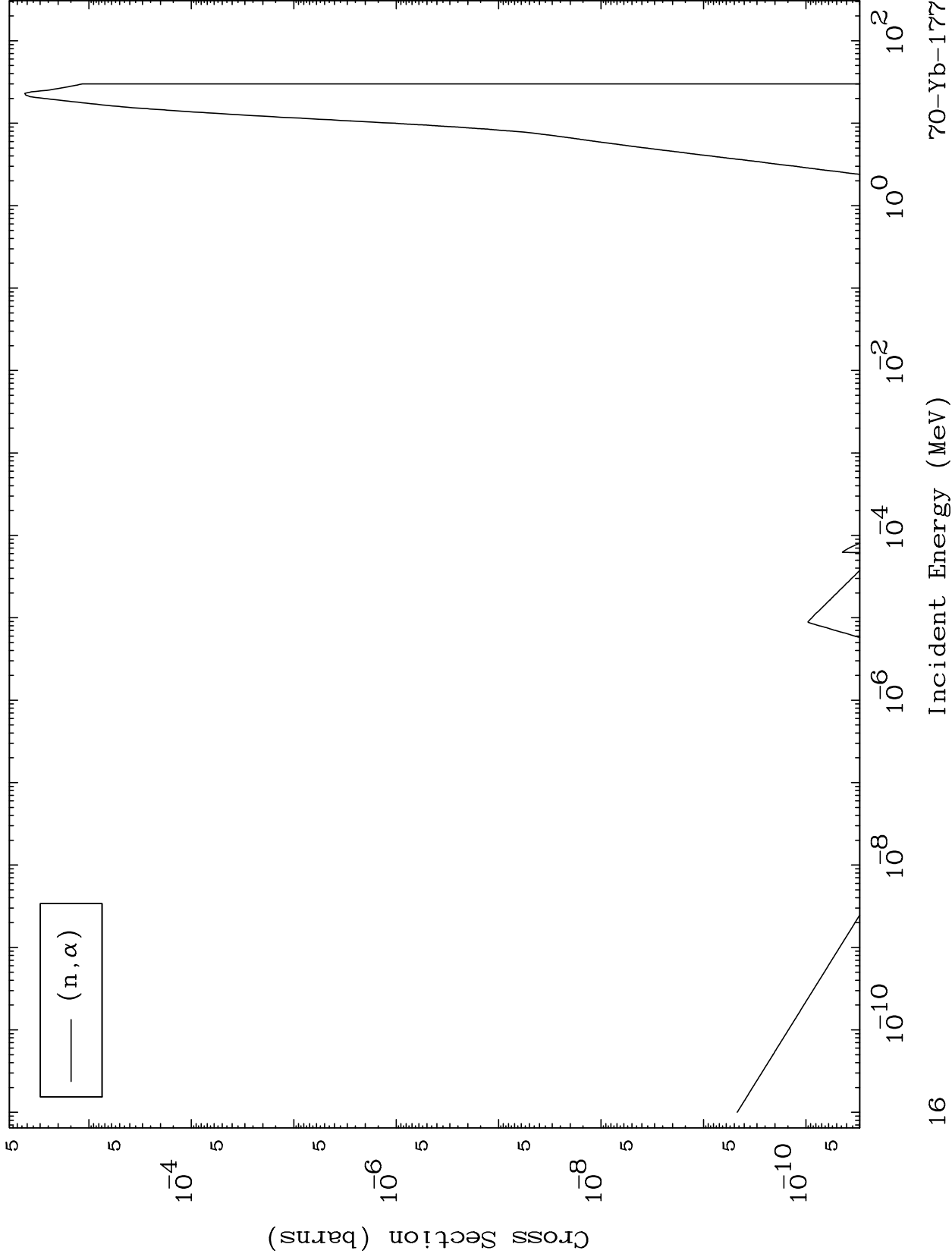
Incident Energy (MeV)

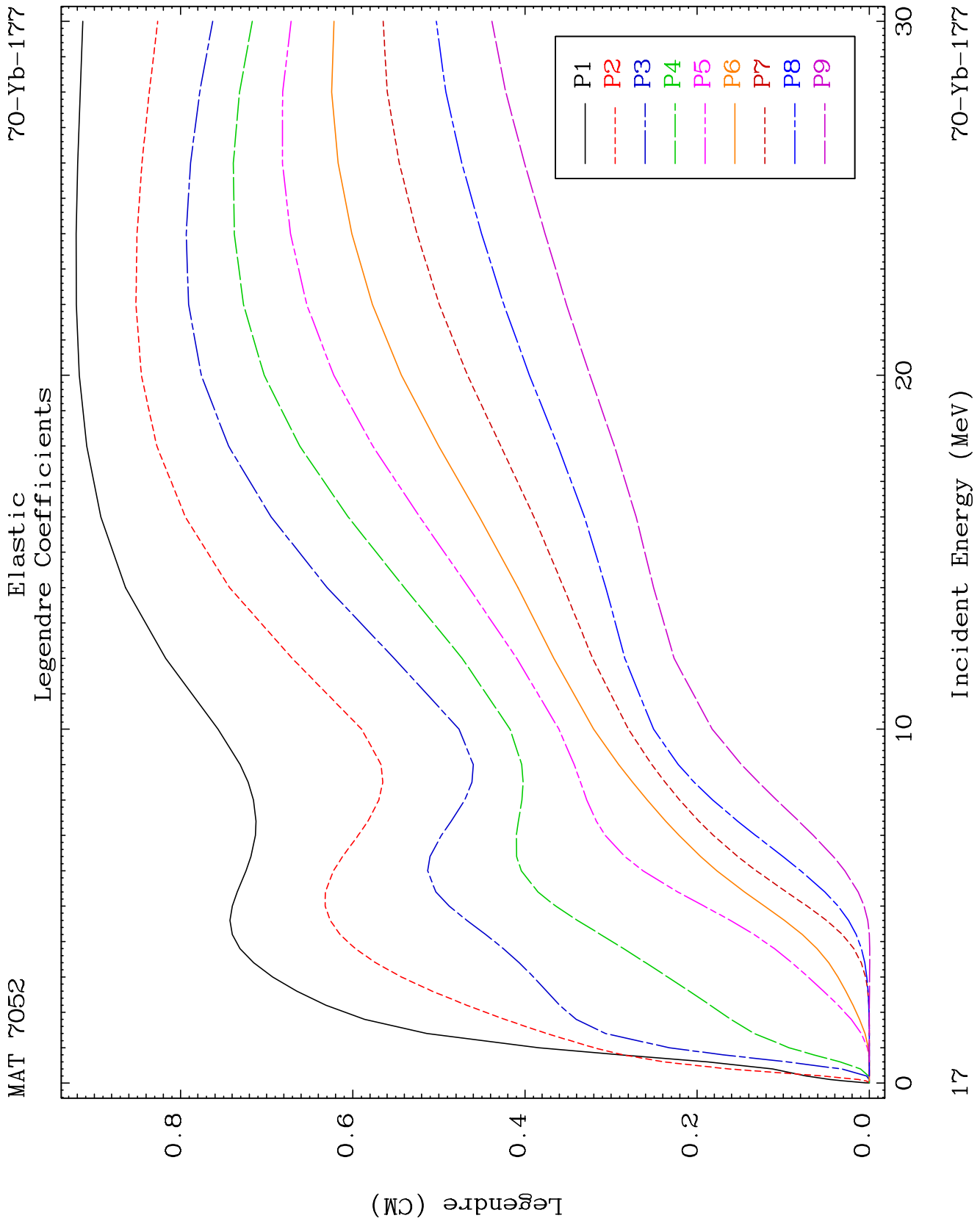
70-Yb-177

MAT 7052

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-177

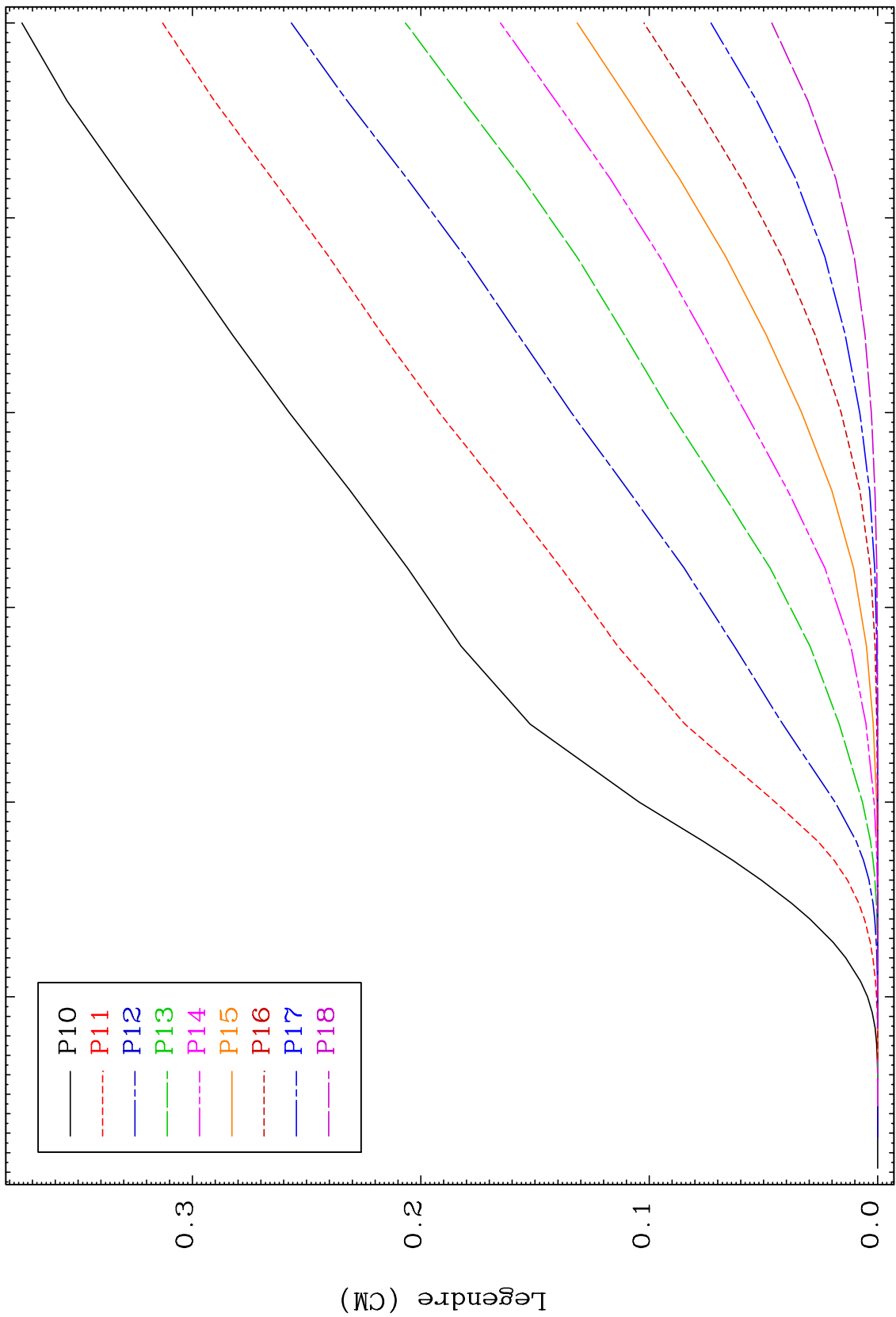




MAT 7052

Elastic Legendre Coefficients

70-Yb-177



18

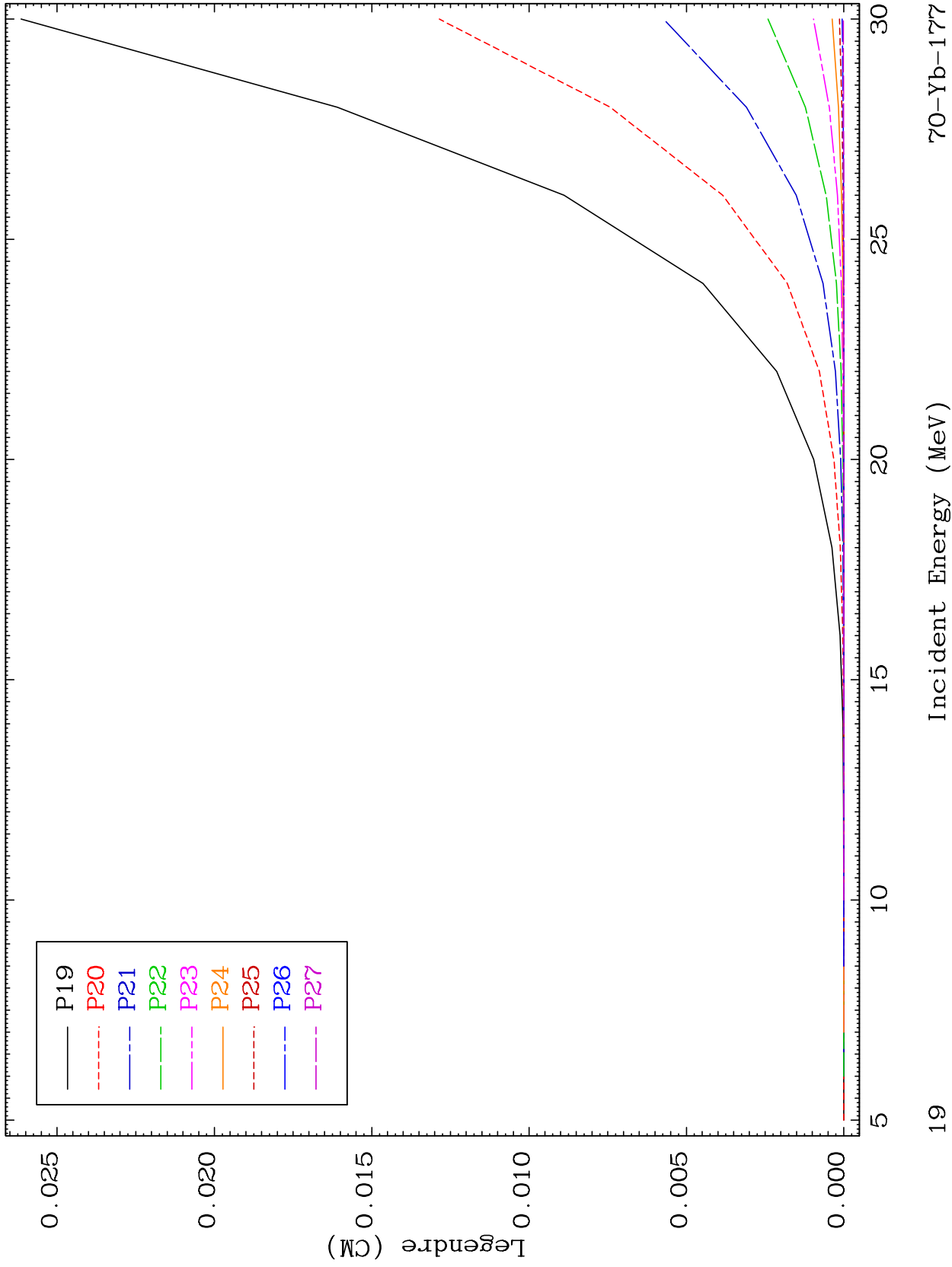
Incident Energy (MeV)

70-Yb-177

MAT 7052

Elastic Legendre Coefficients

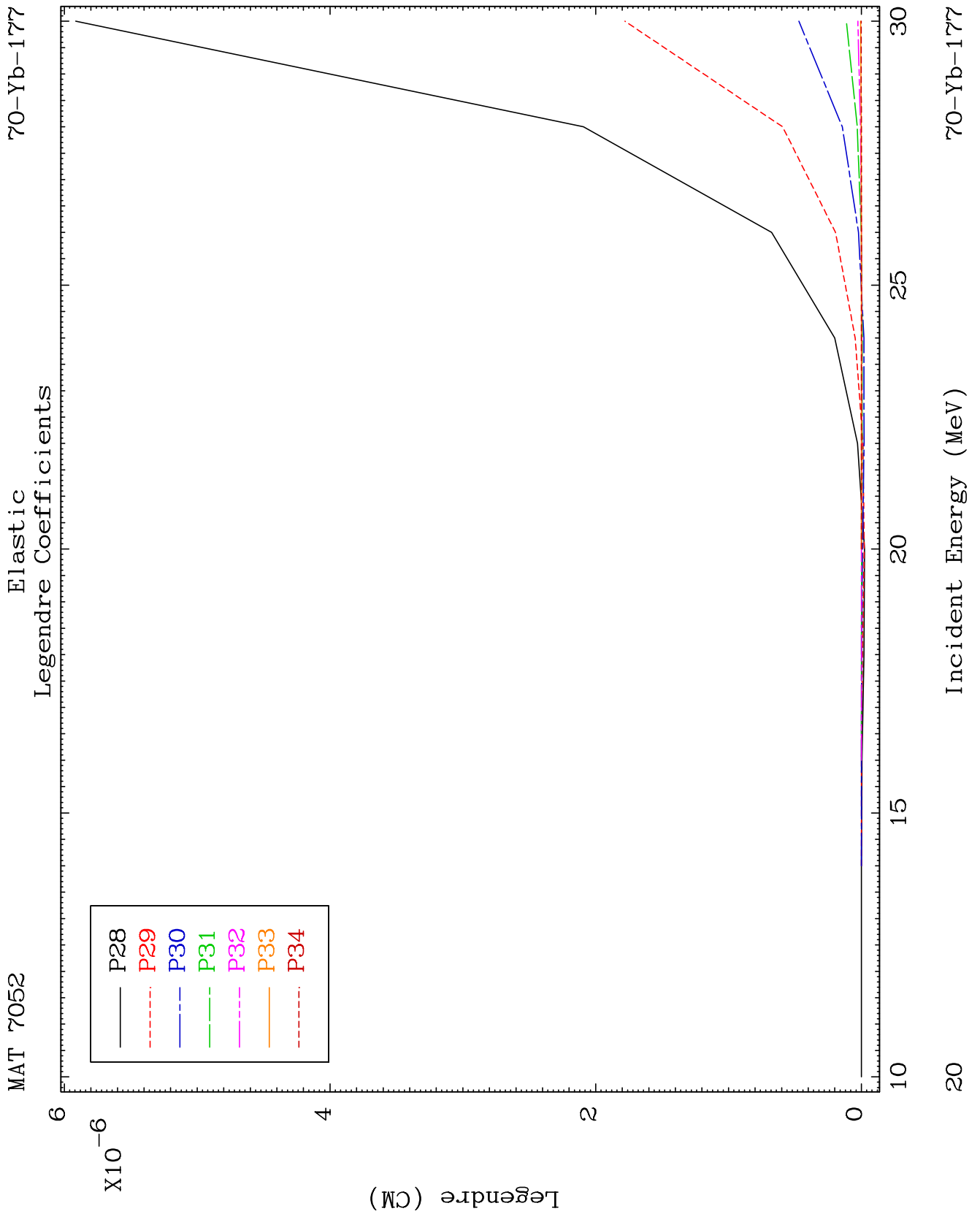
70-Yb-177



19

Incident Energy (MeV)

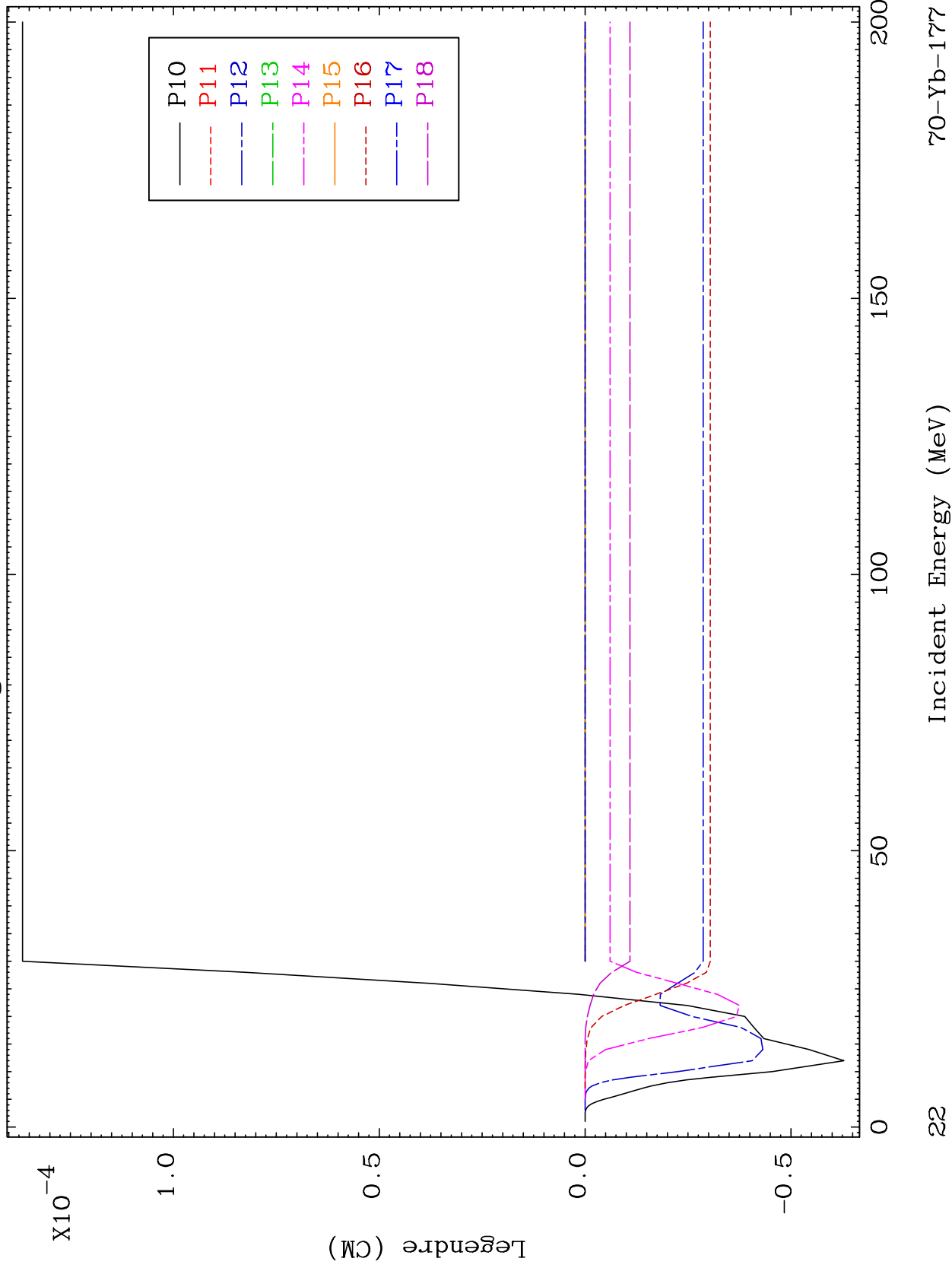
70-Yb-177



MAT 7052

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

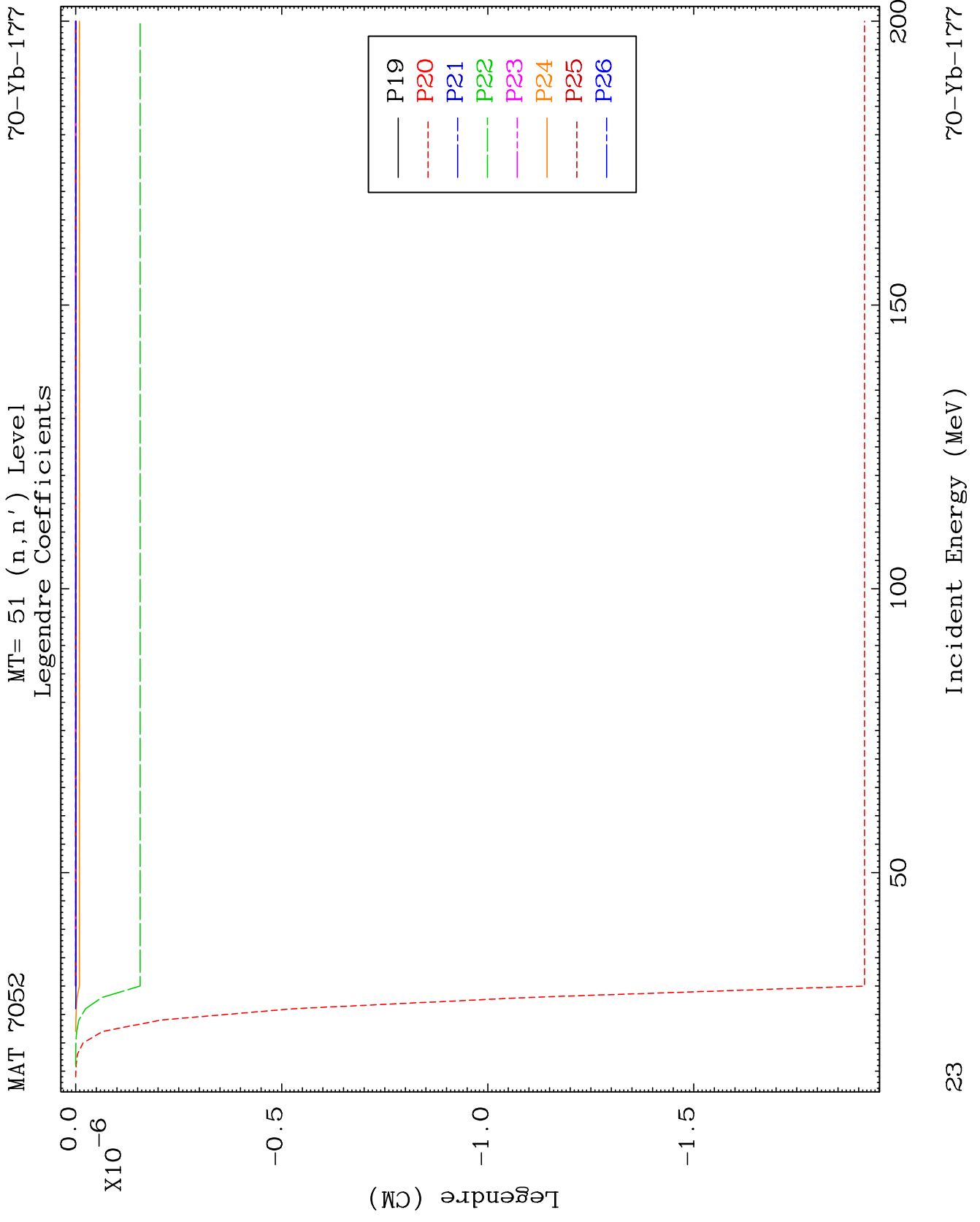
70-Yb-177

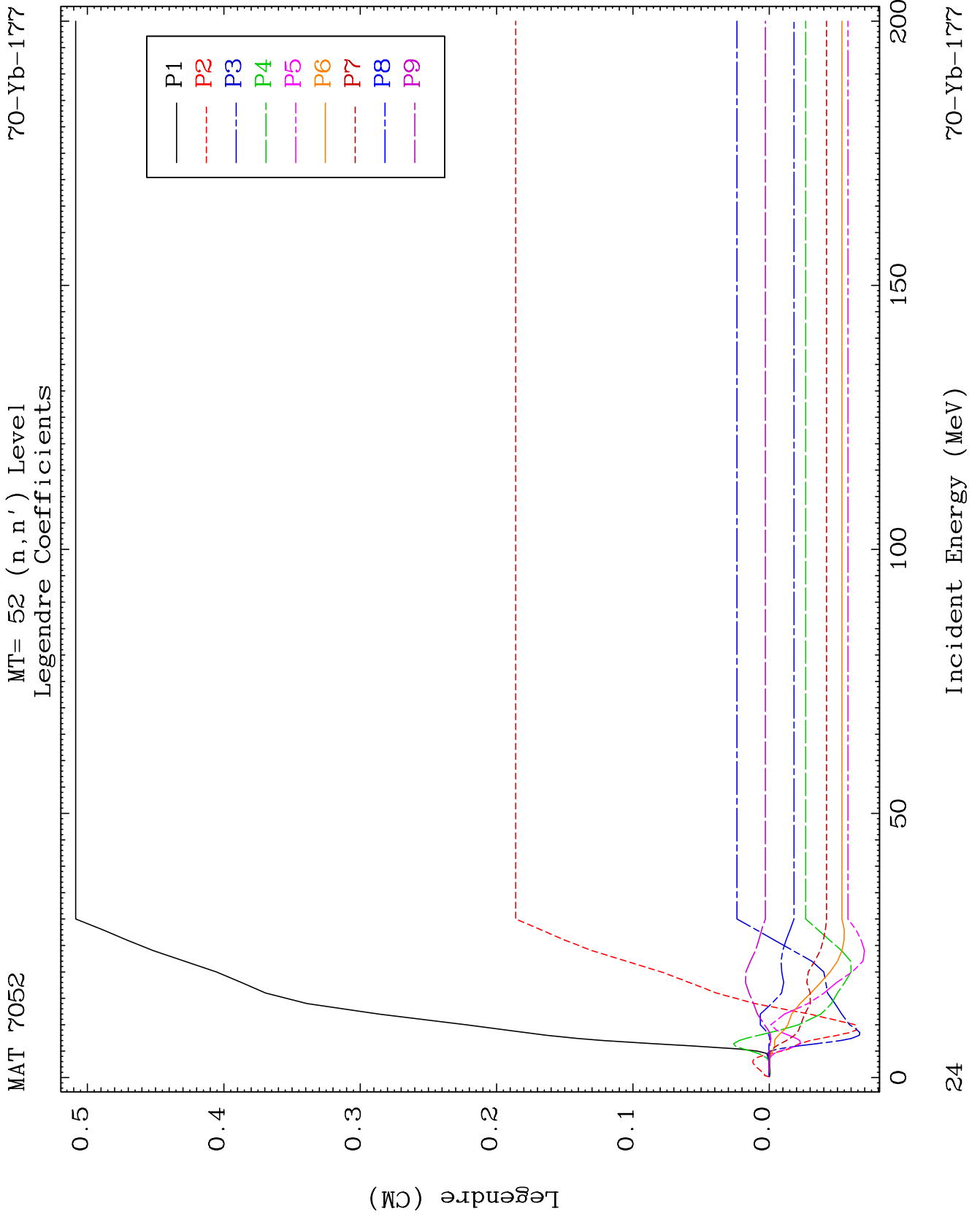


22

Incident Energy (MeV)

70-Yb-177

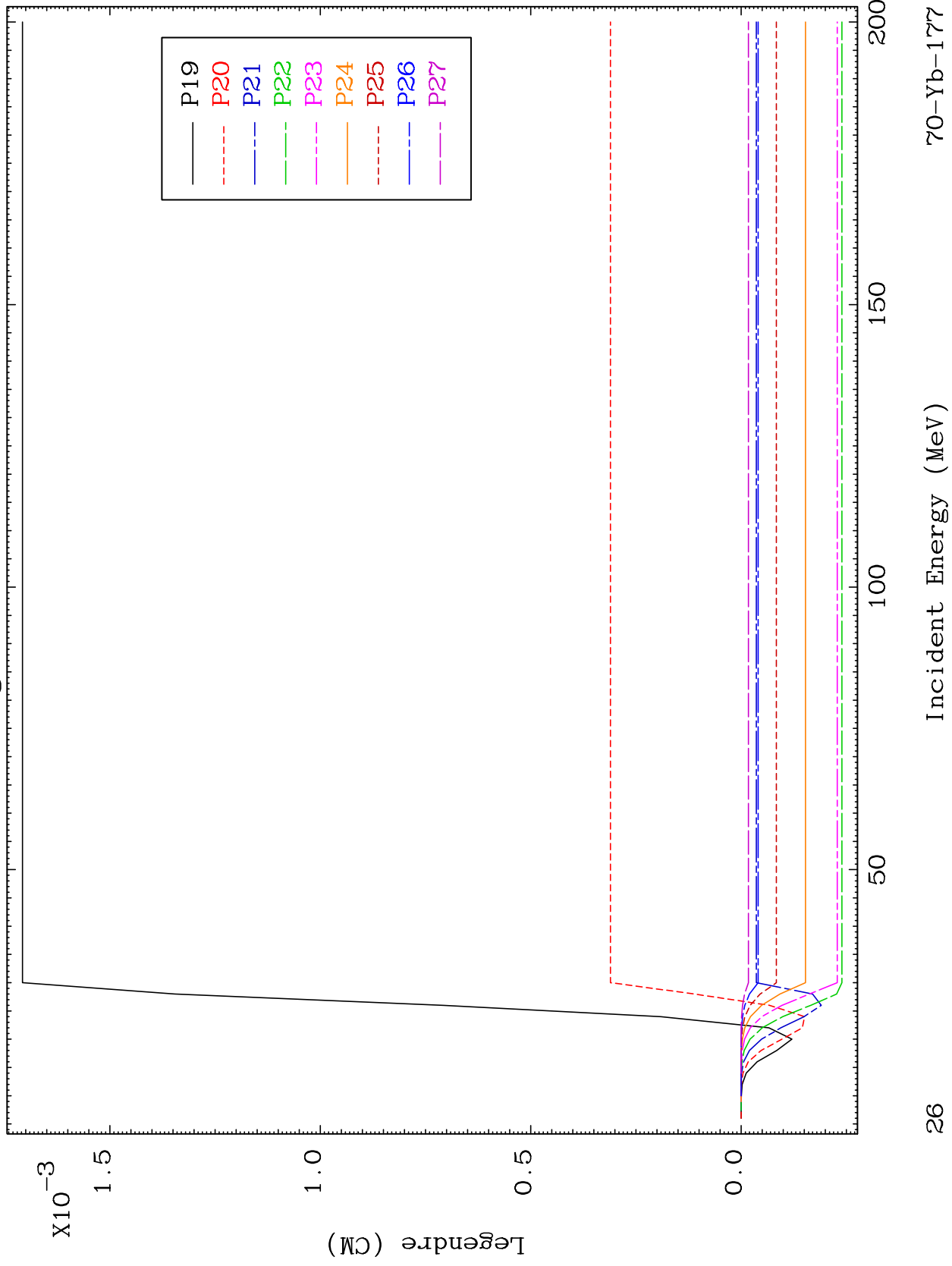




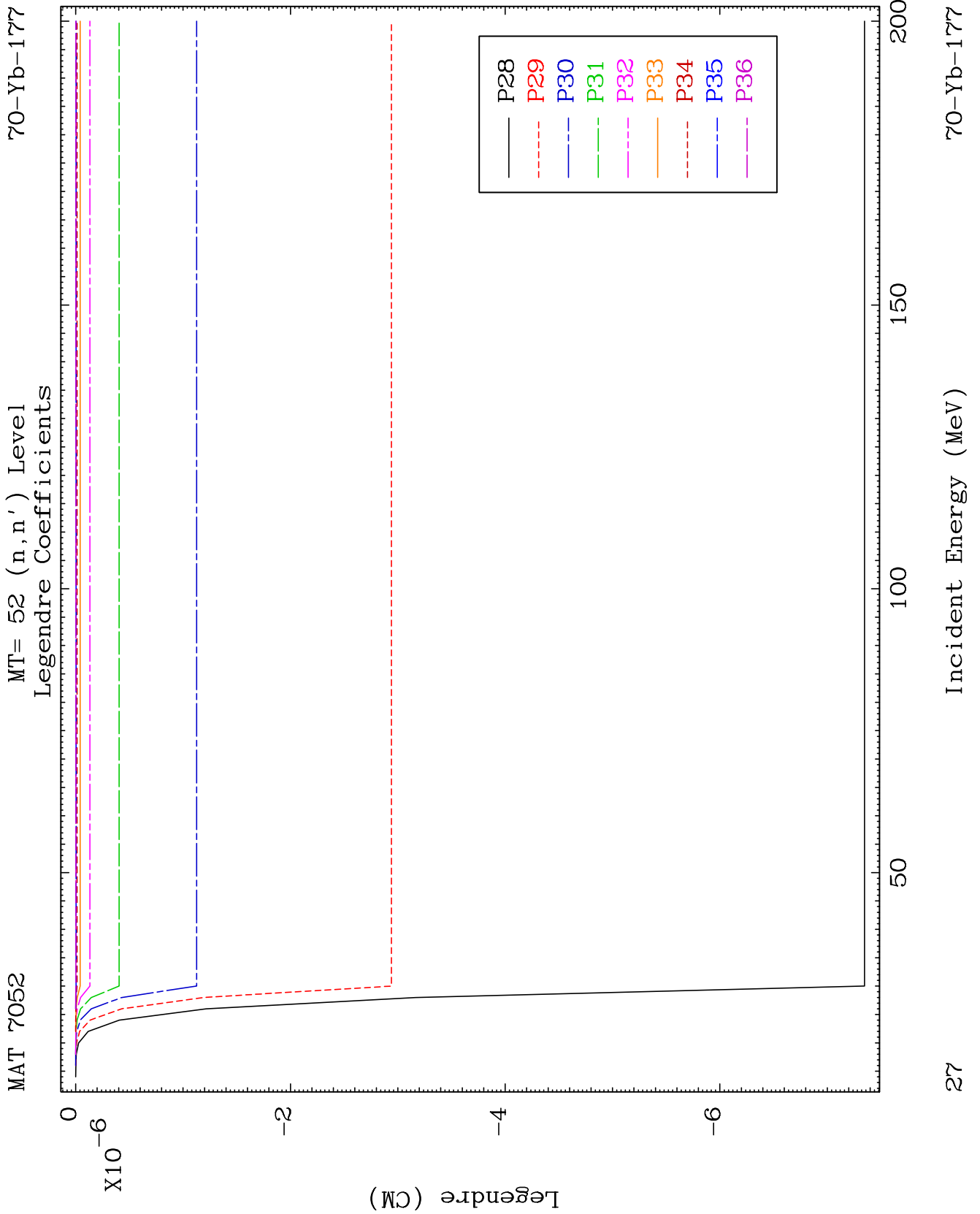
MAT 7052

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

70-Yb-177



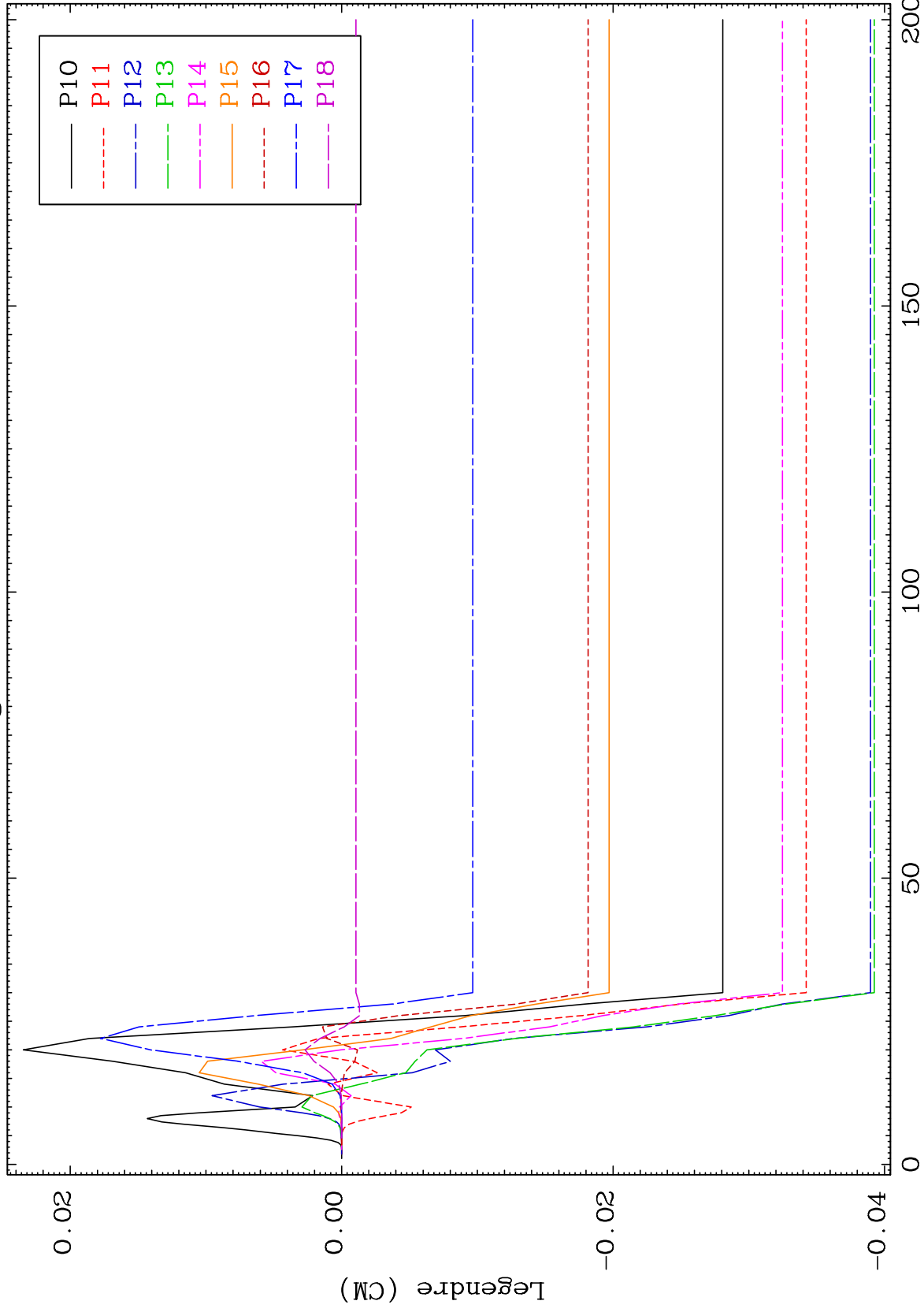
26



MAT 7052

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

70-Yb-177



29

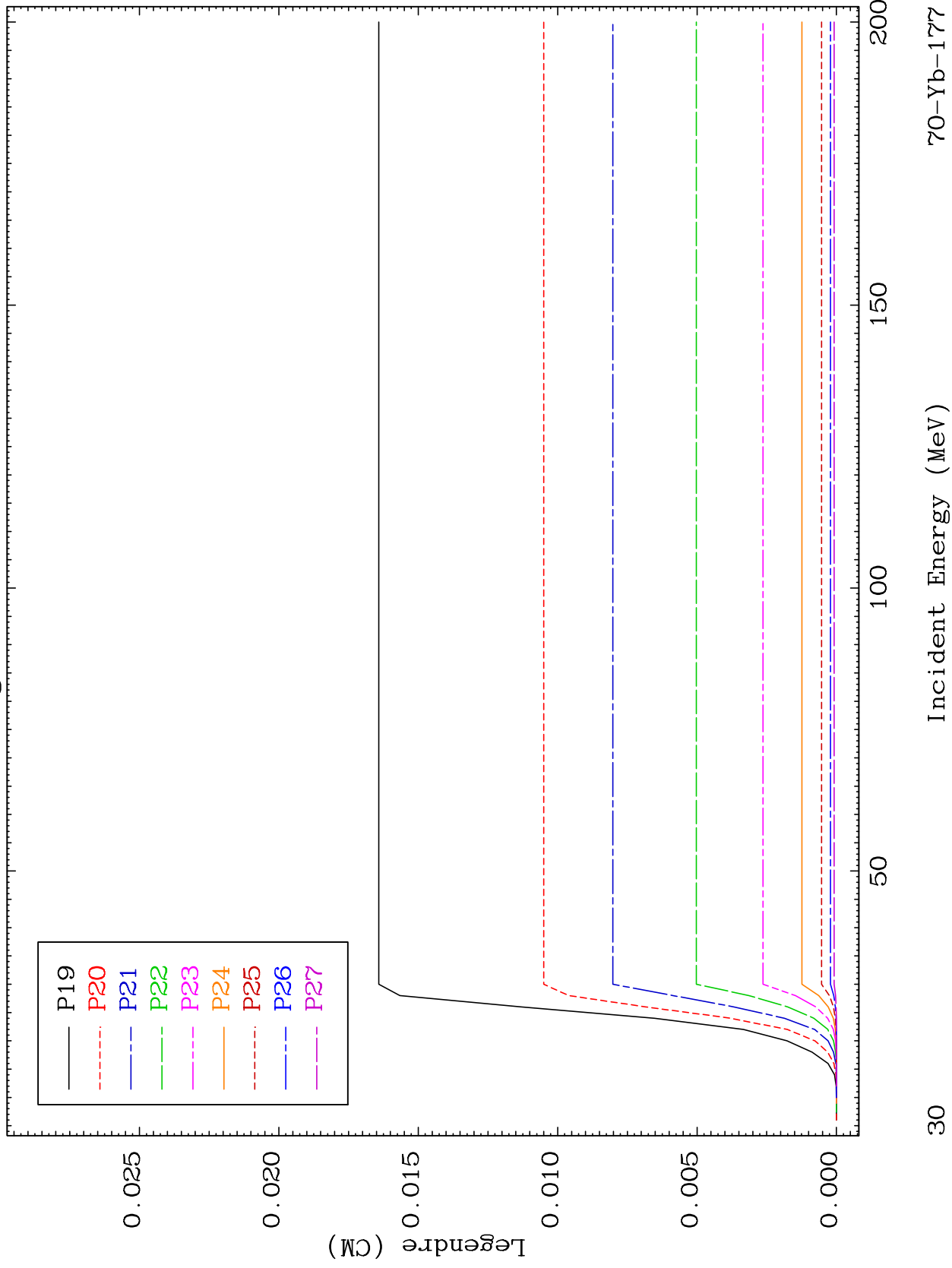
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



30

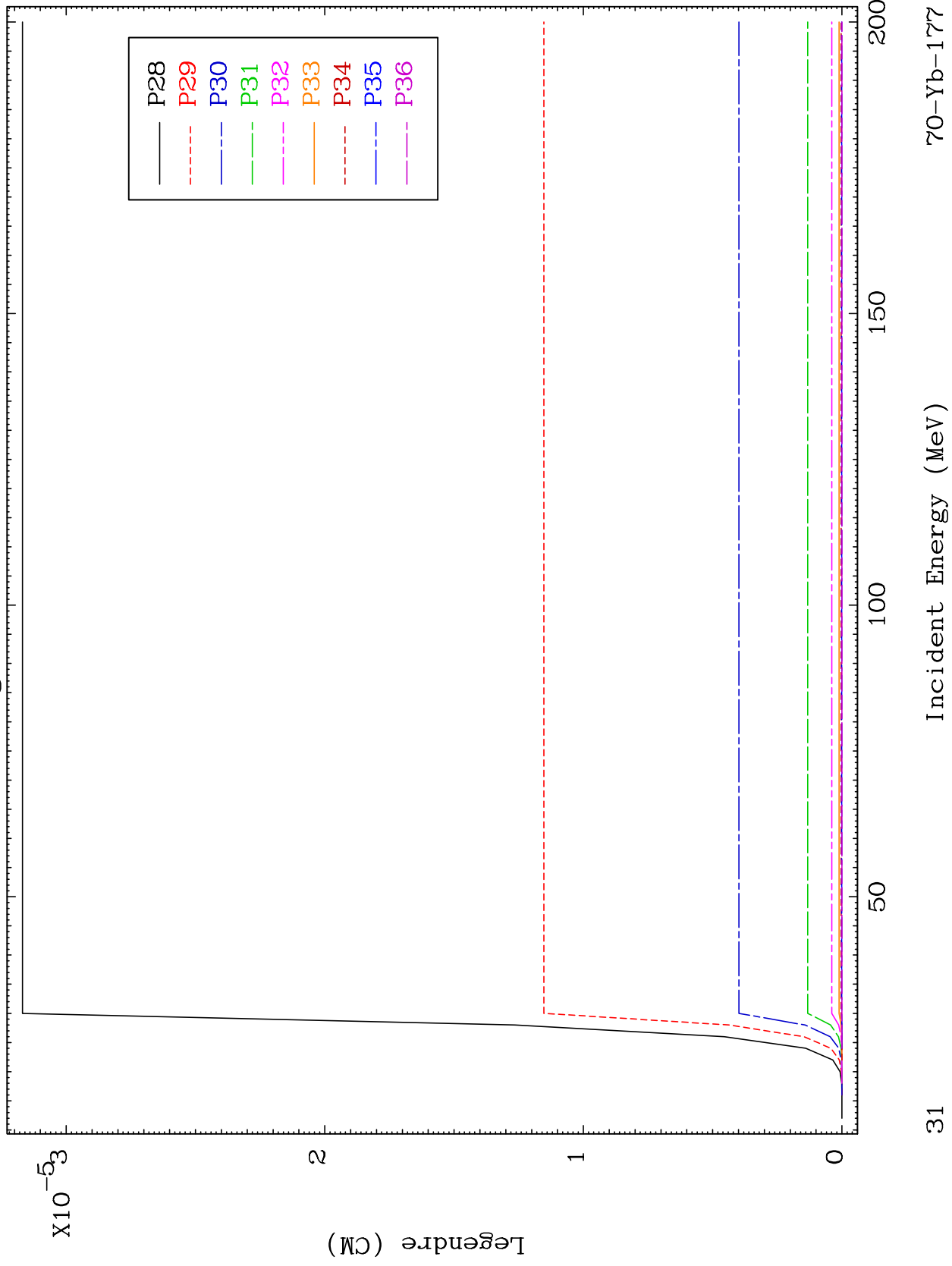
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



31

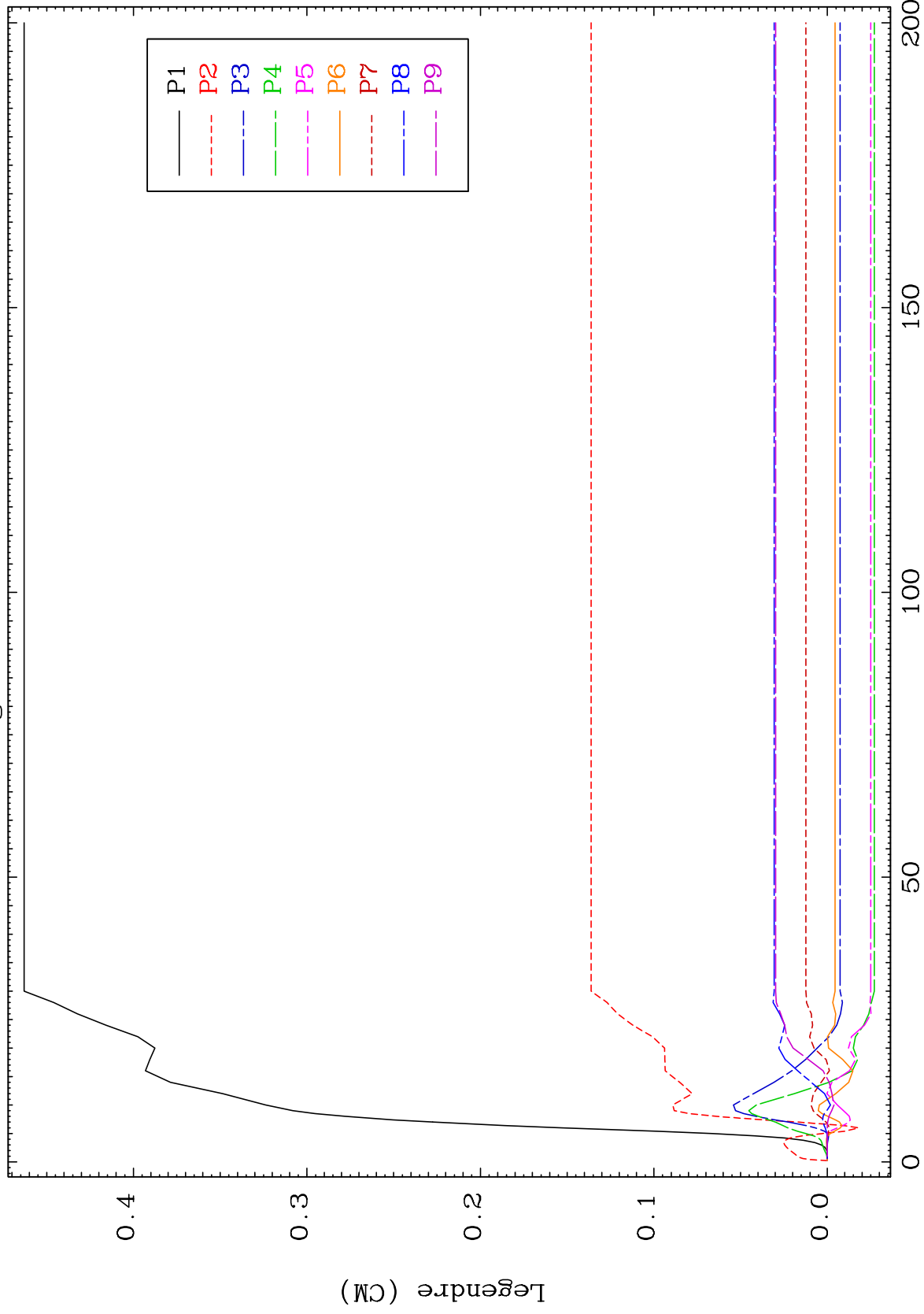
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



32

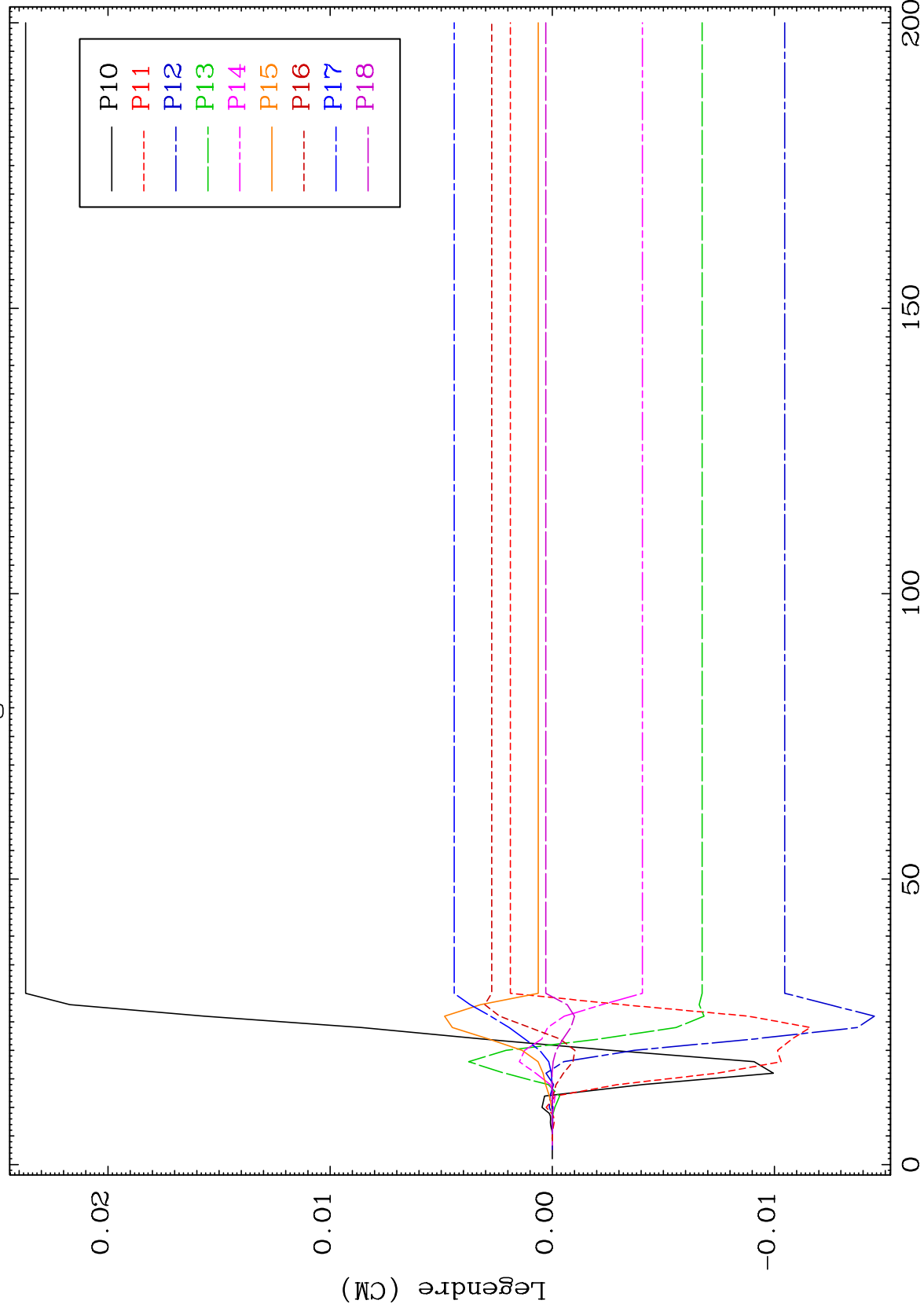
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



33

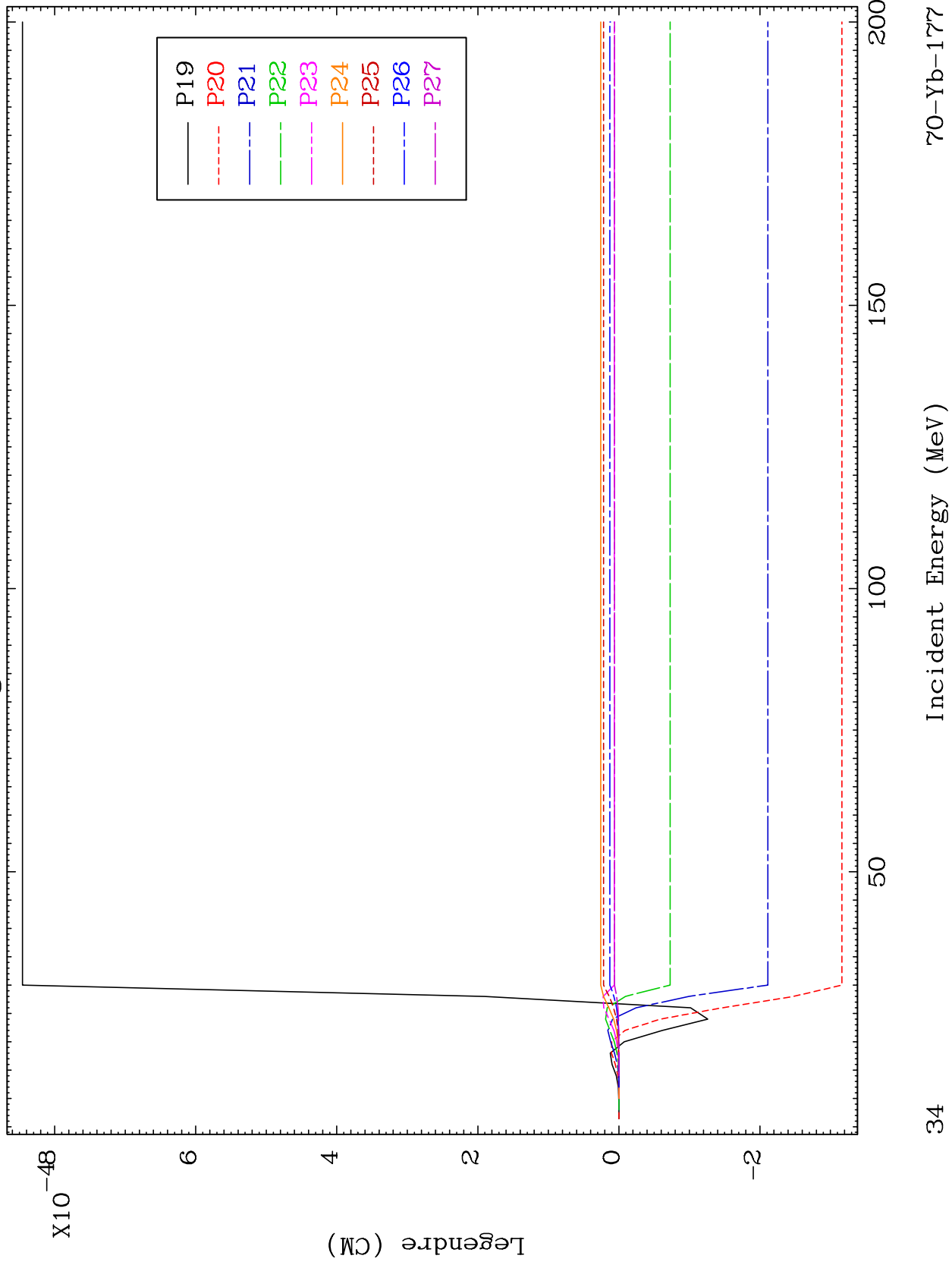
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



34

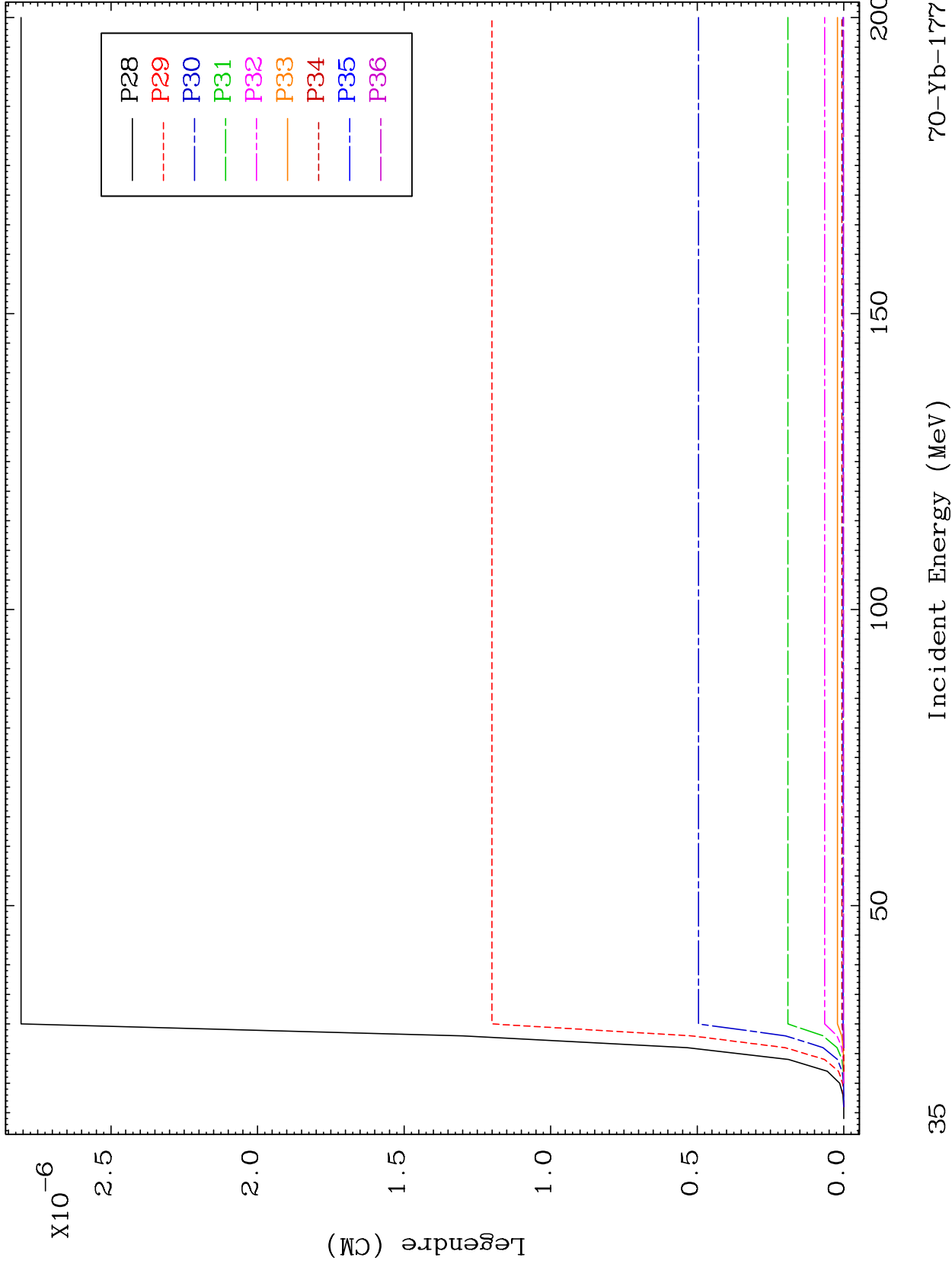
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

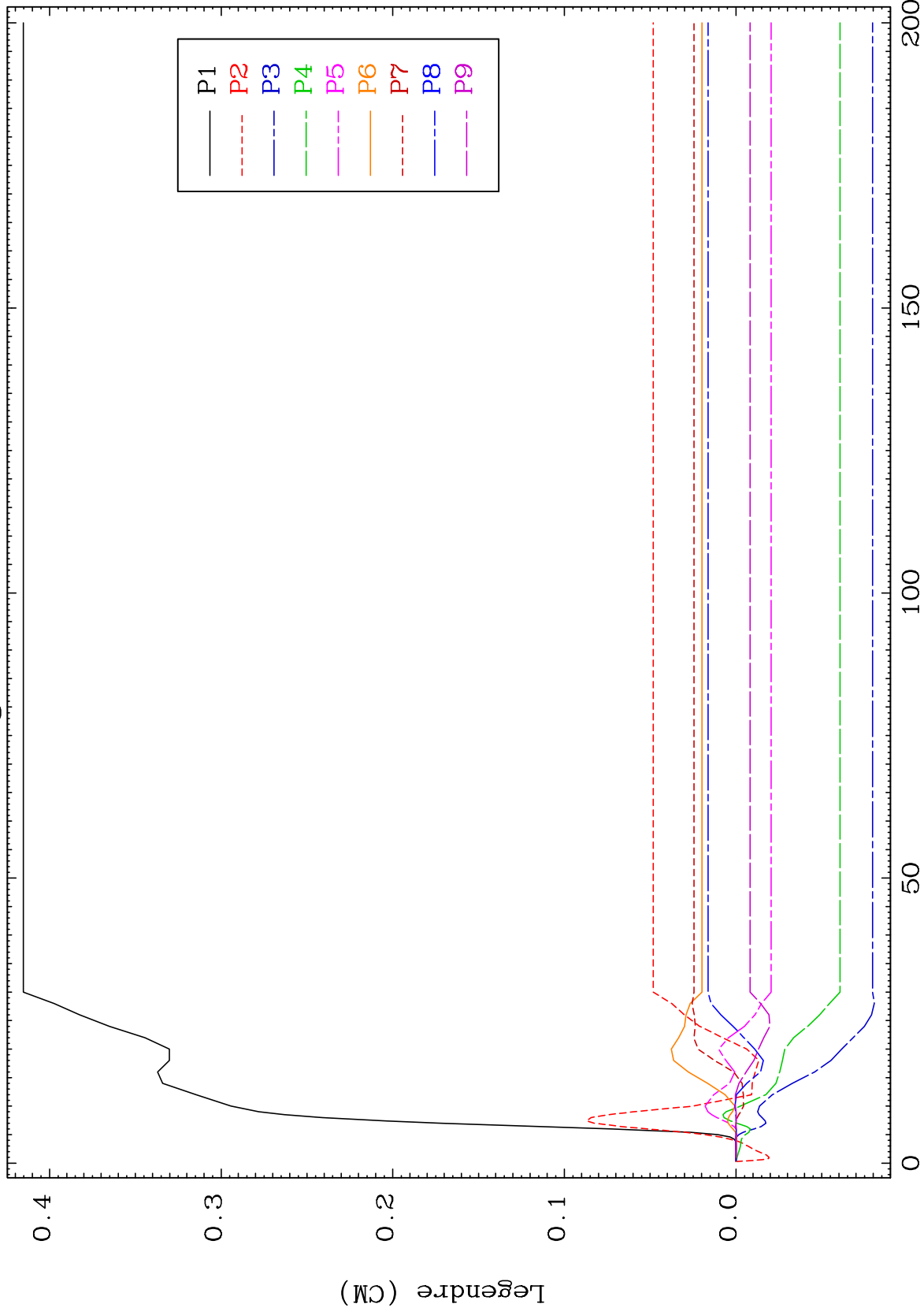
70-Yb-177



MAT 7052

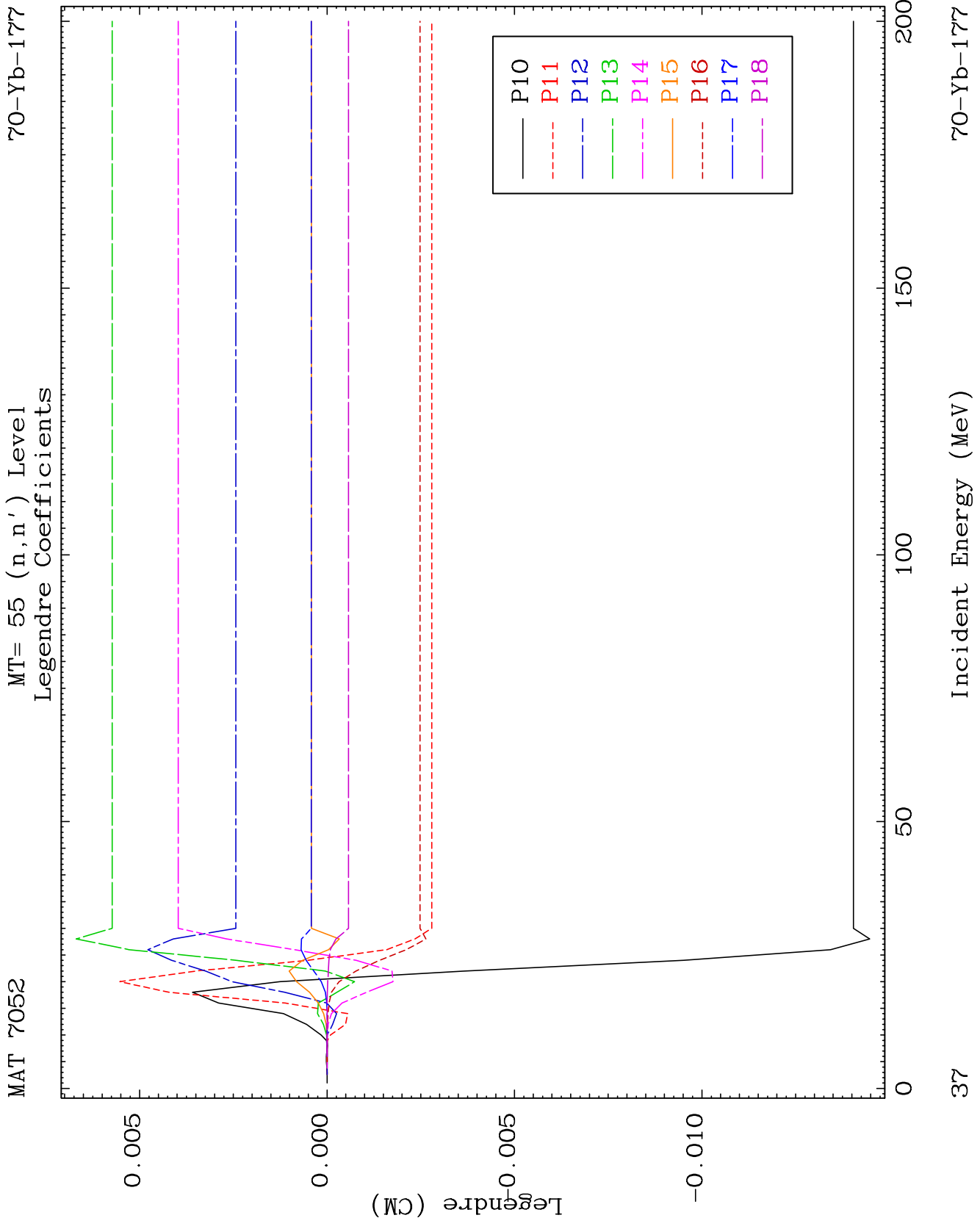
MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-177



36

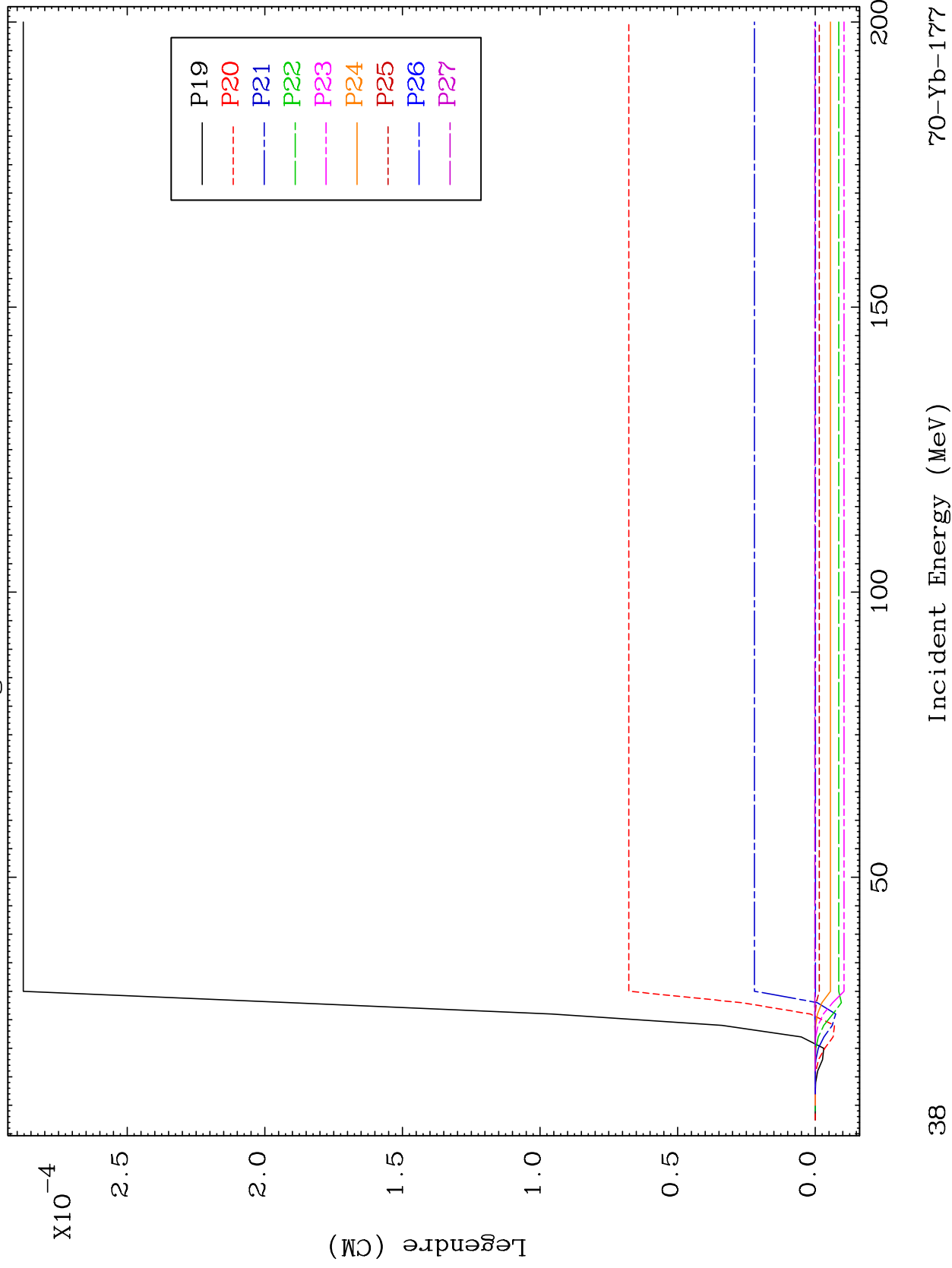
70-Yb-177



MAT 7052

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

70-Yb-177



38

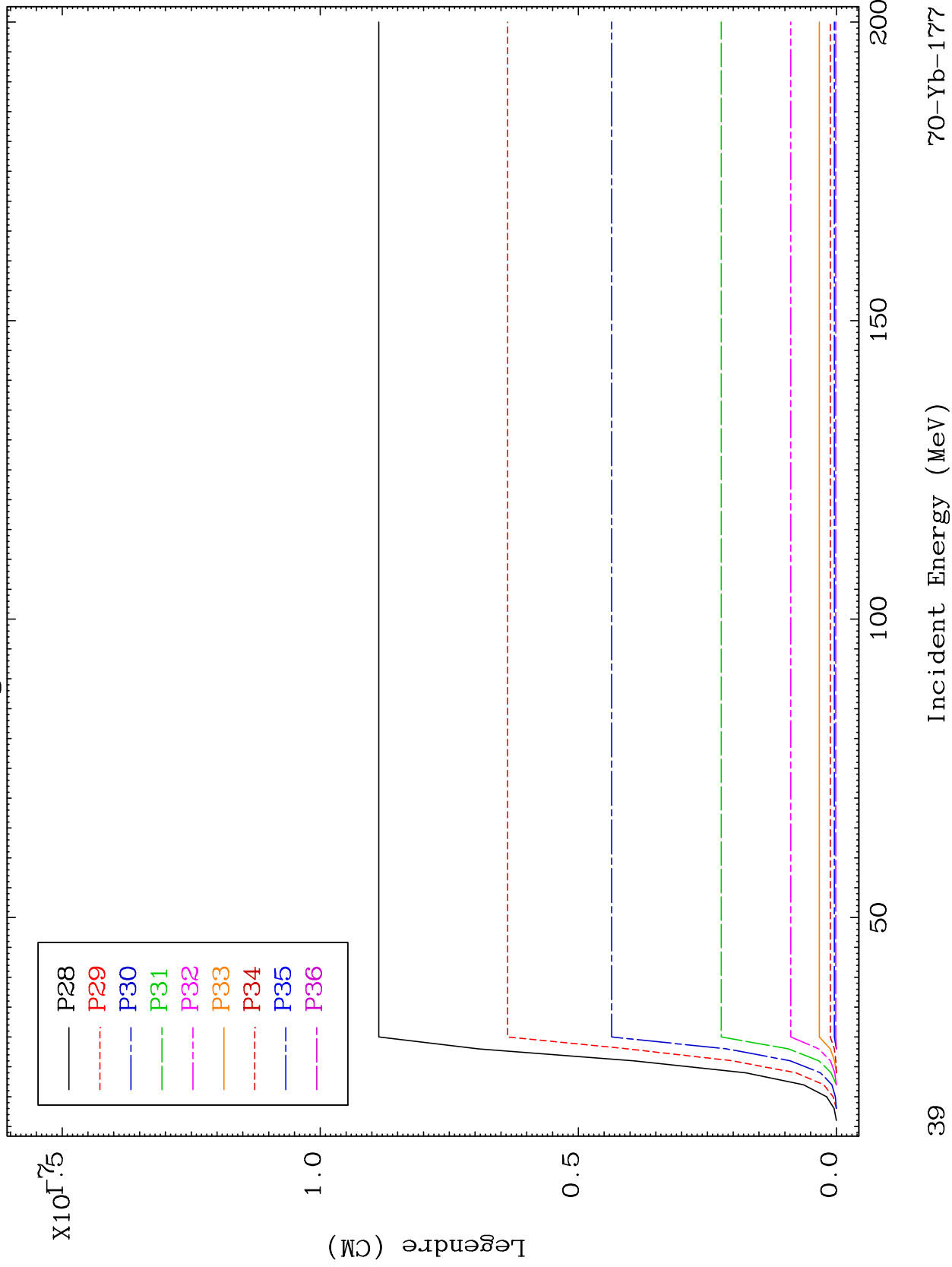
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



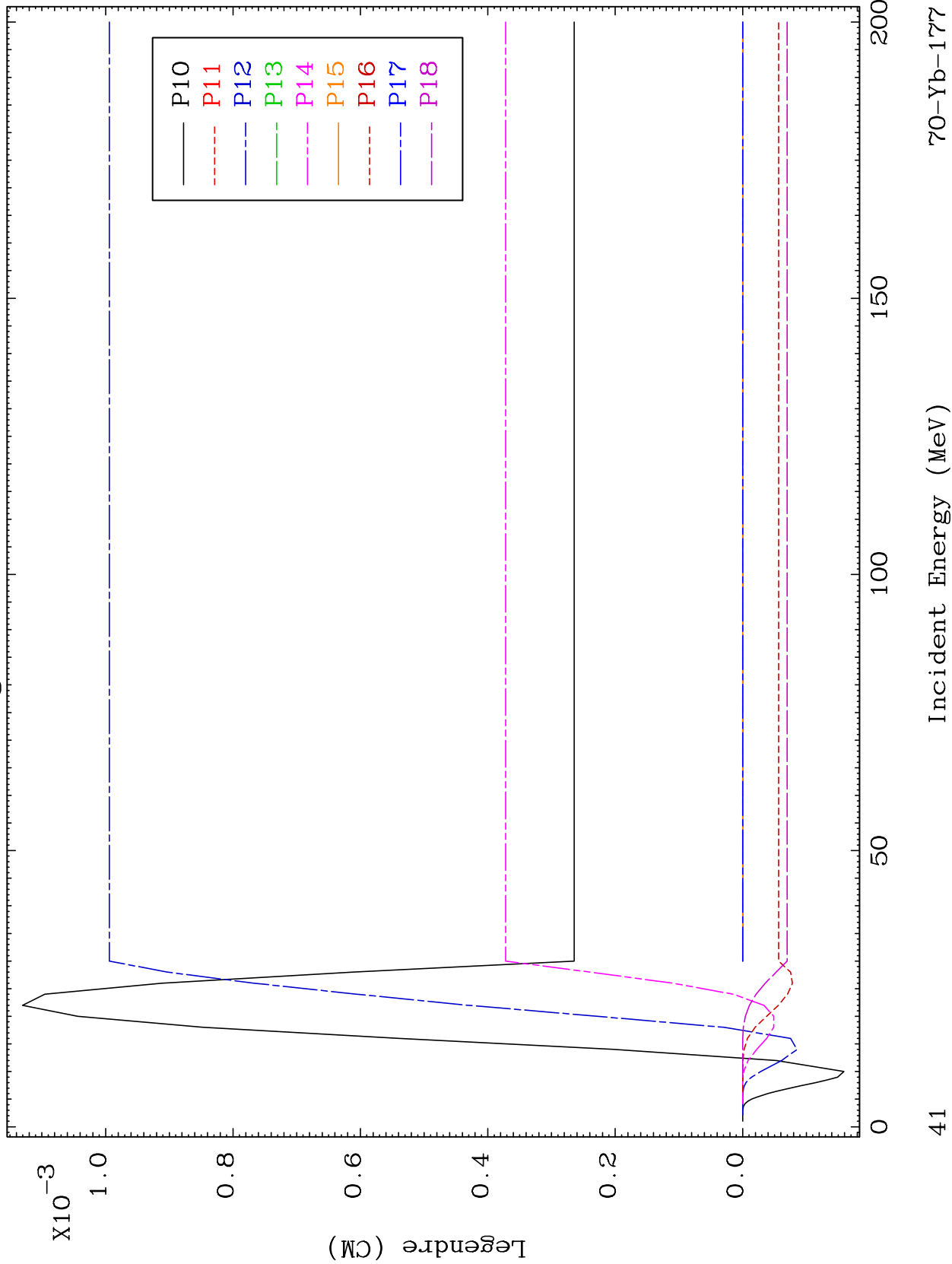
39

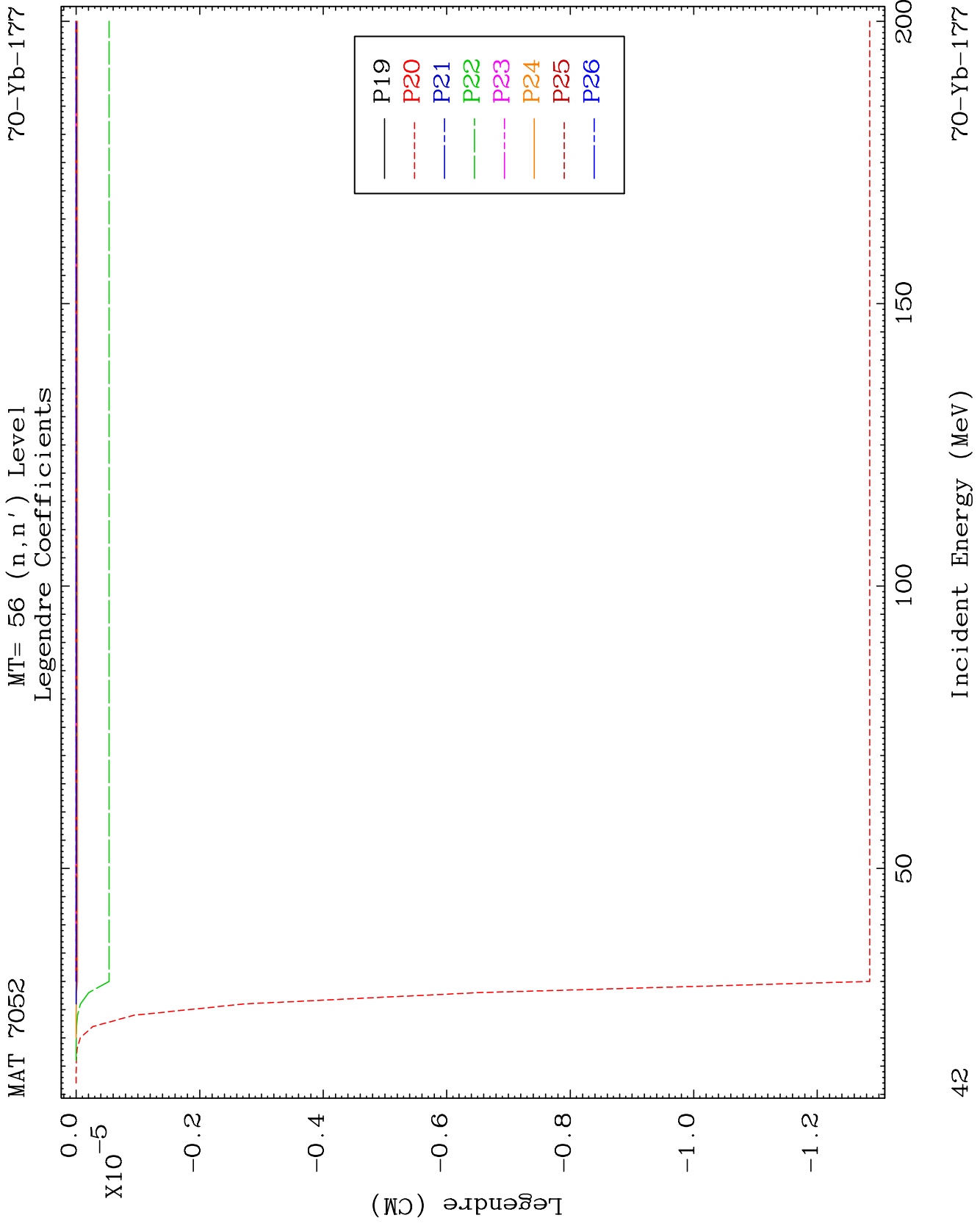
70-Yb-177

MAT 7052

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

70-Yb-177

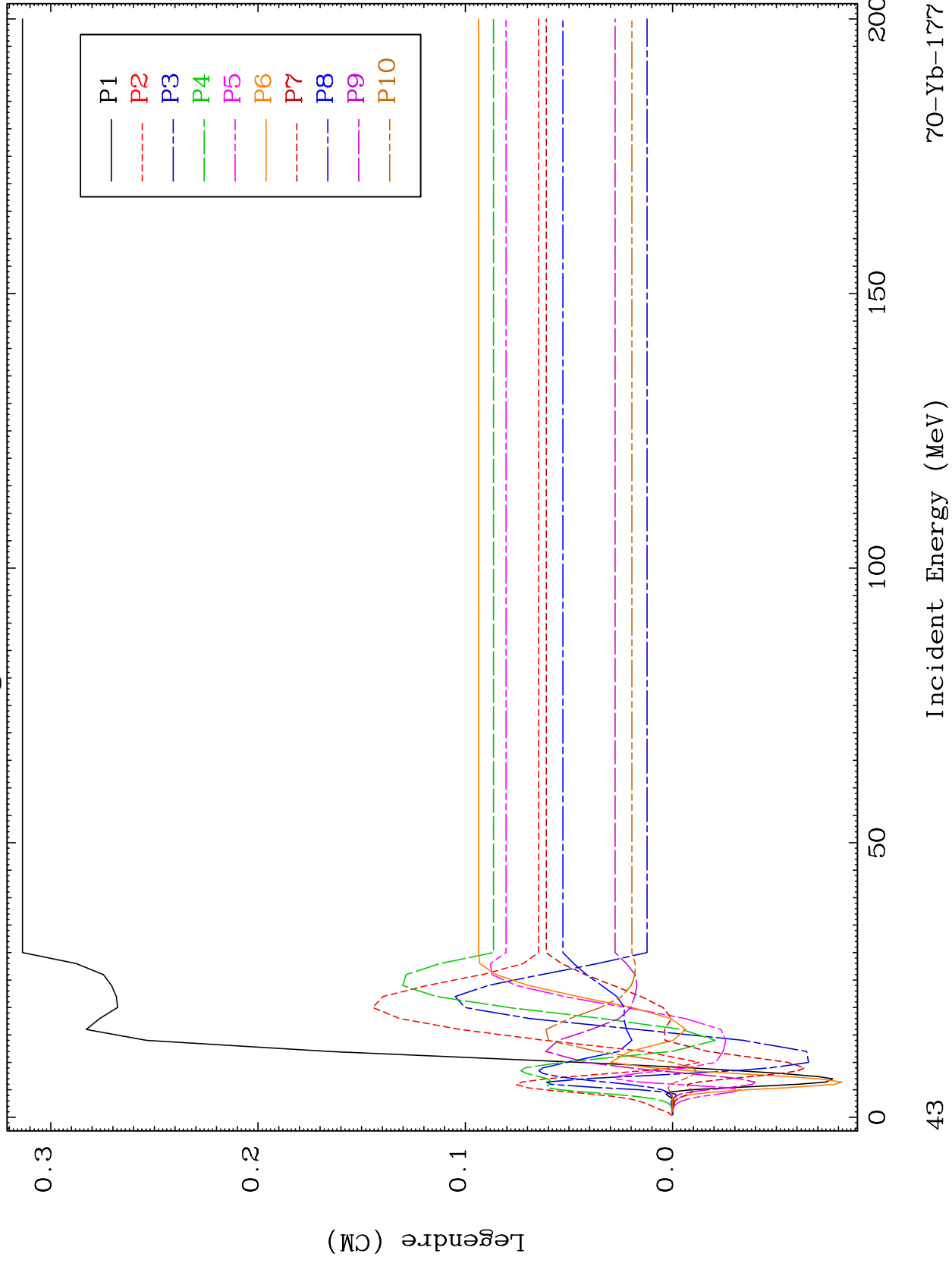




MAT 7052

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

70-Yb-177



43

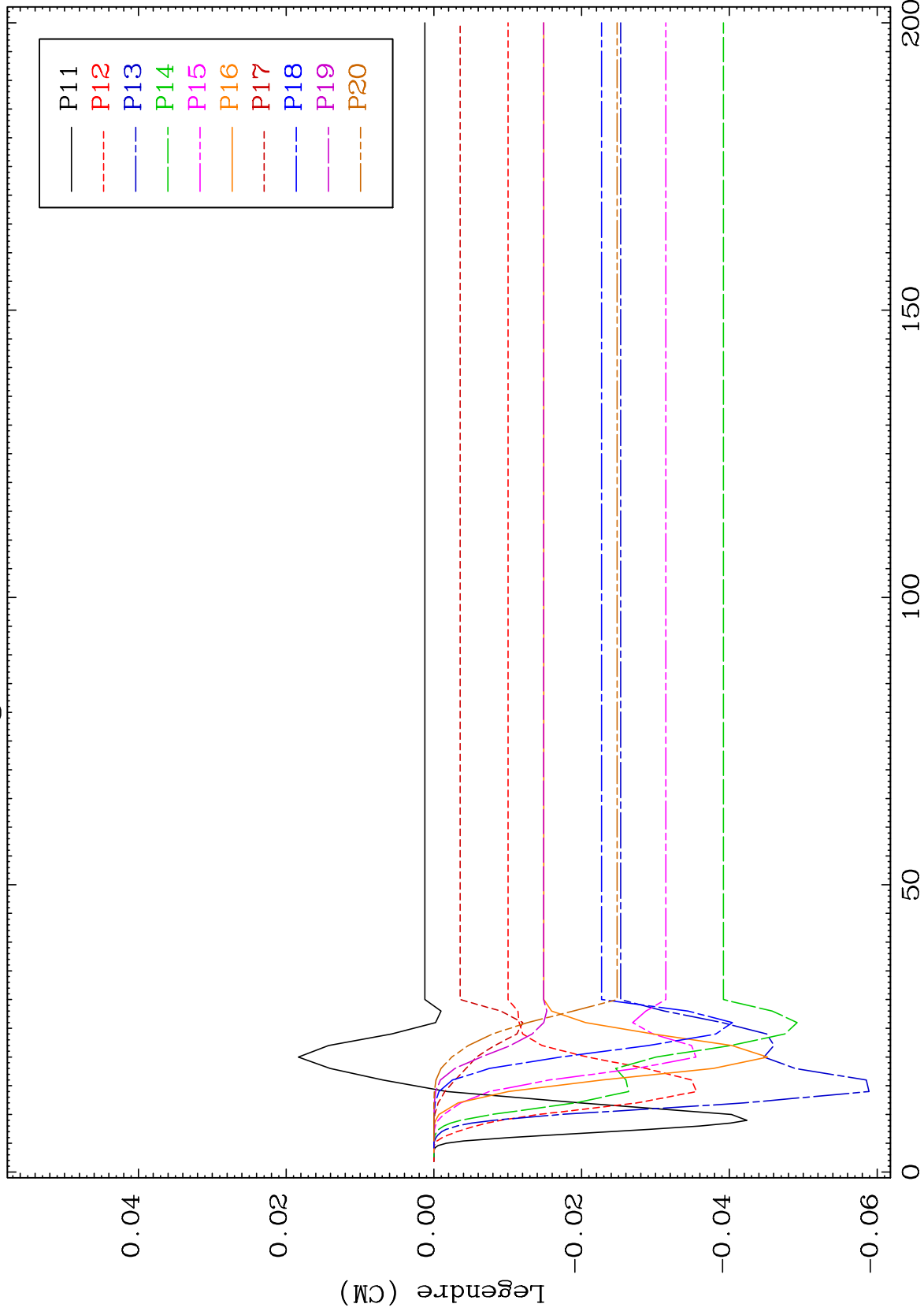
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

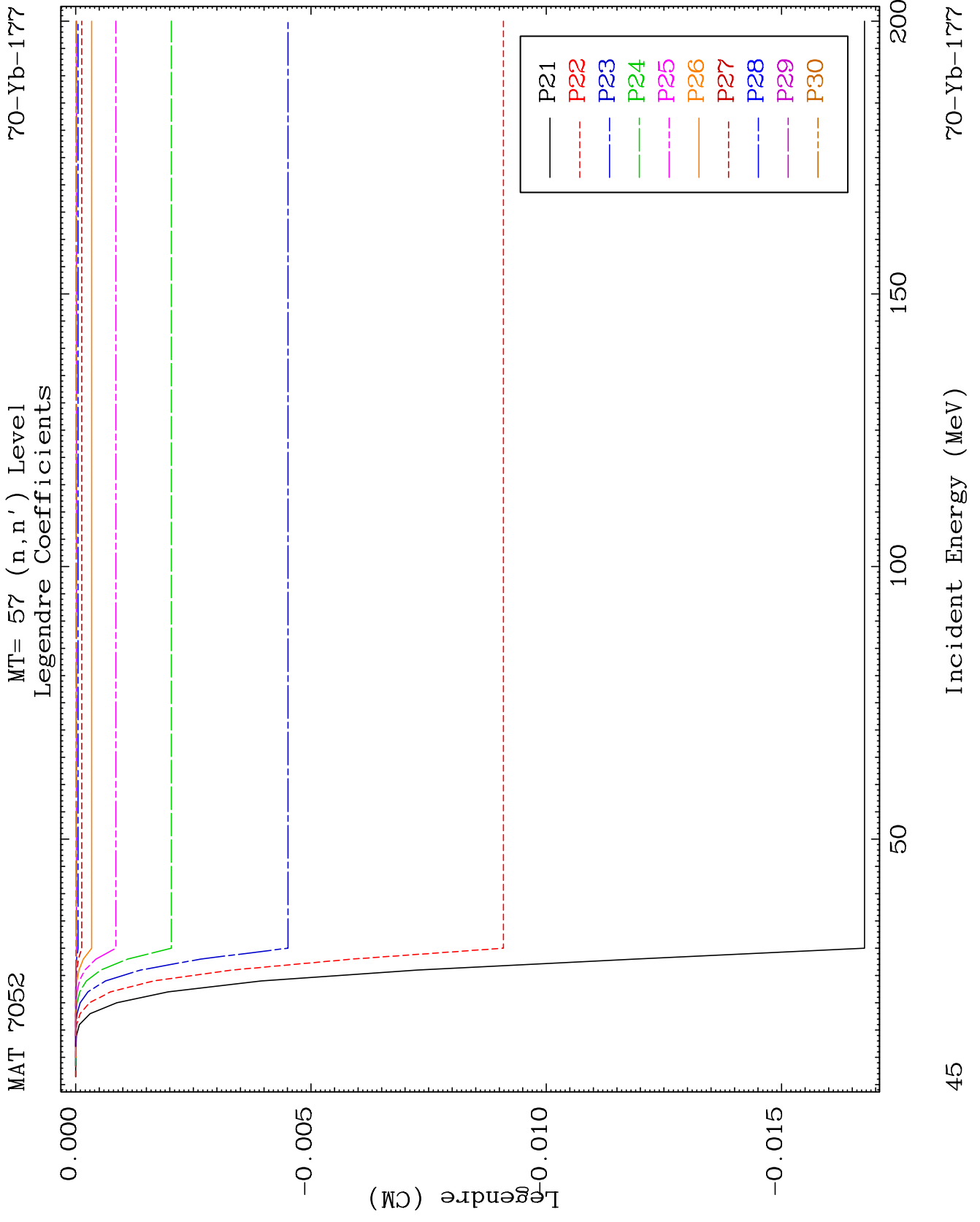
70-Yb-177

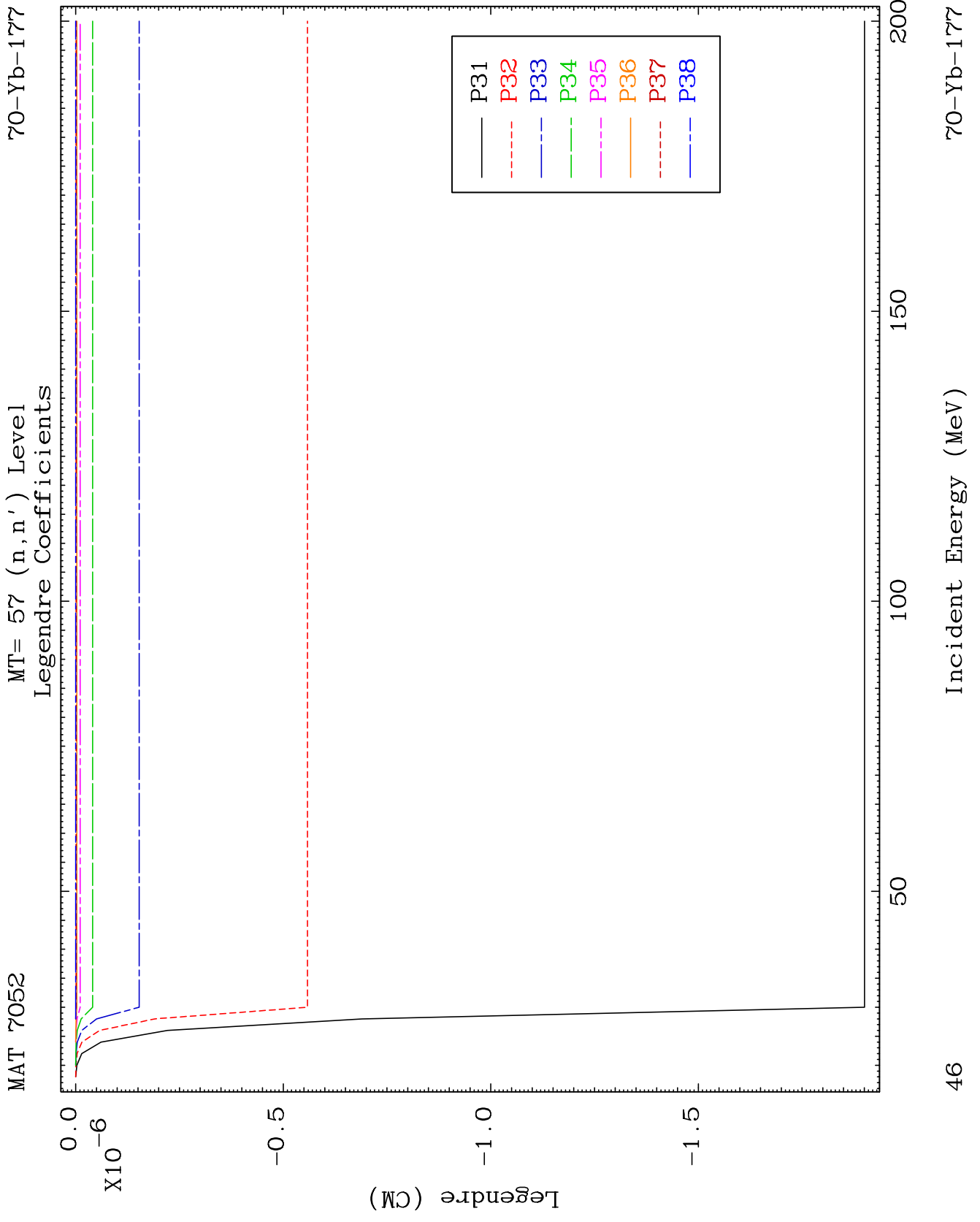


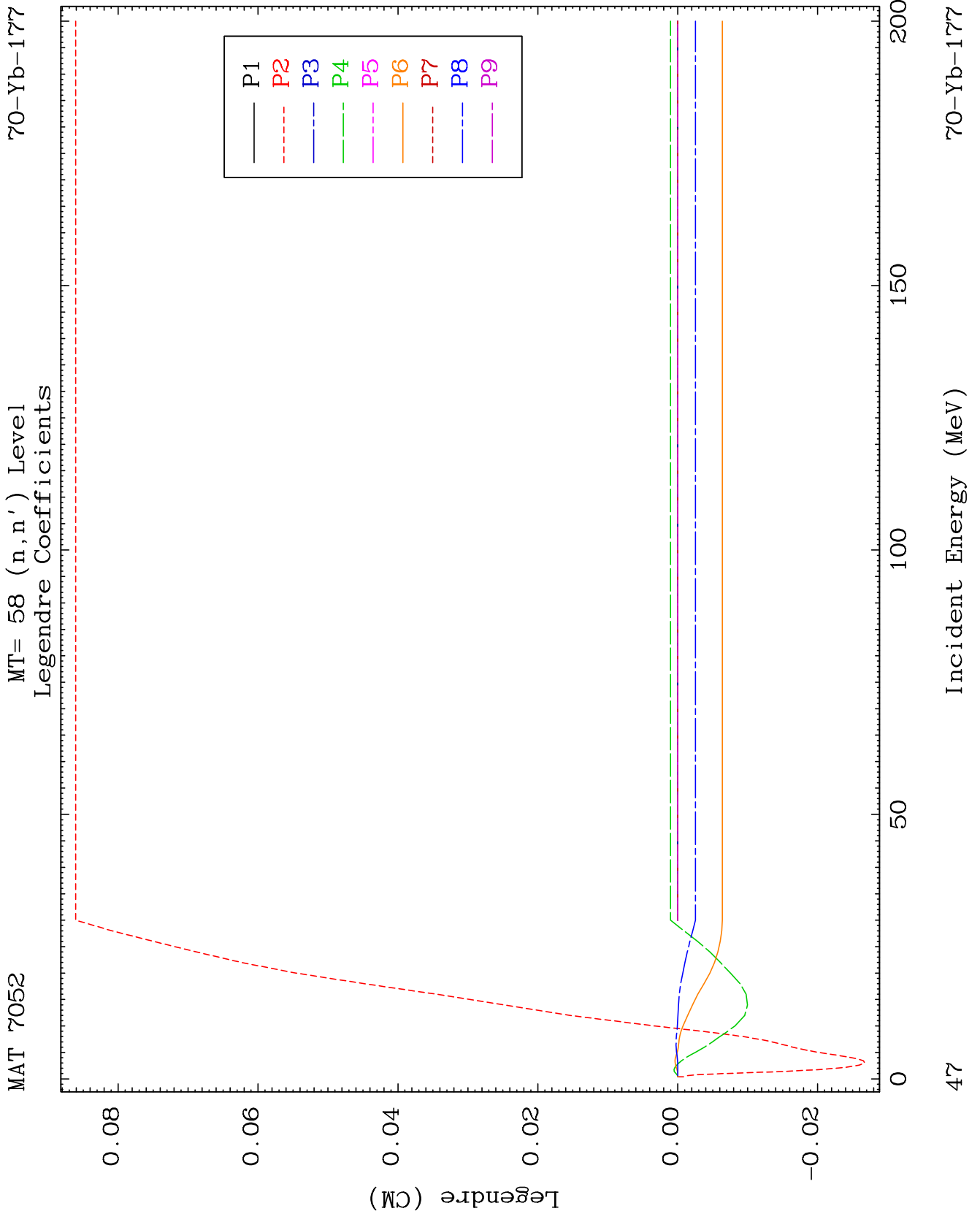
44

Incident Energy (MeV)

70-Yb-177



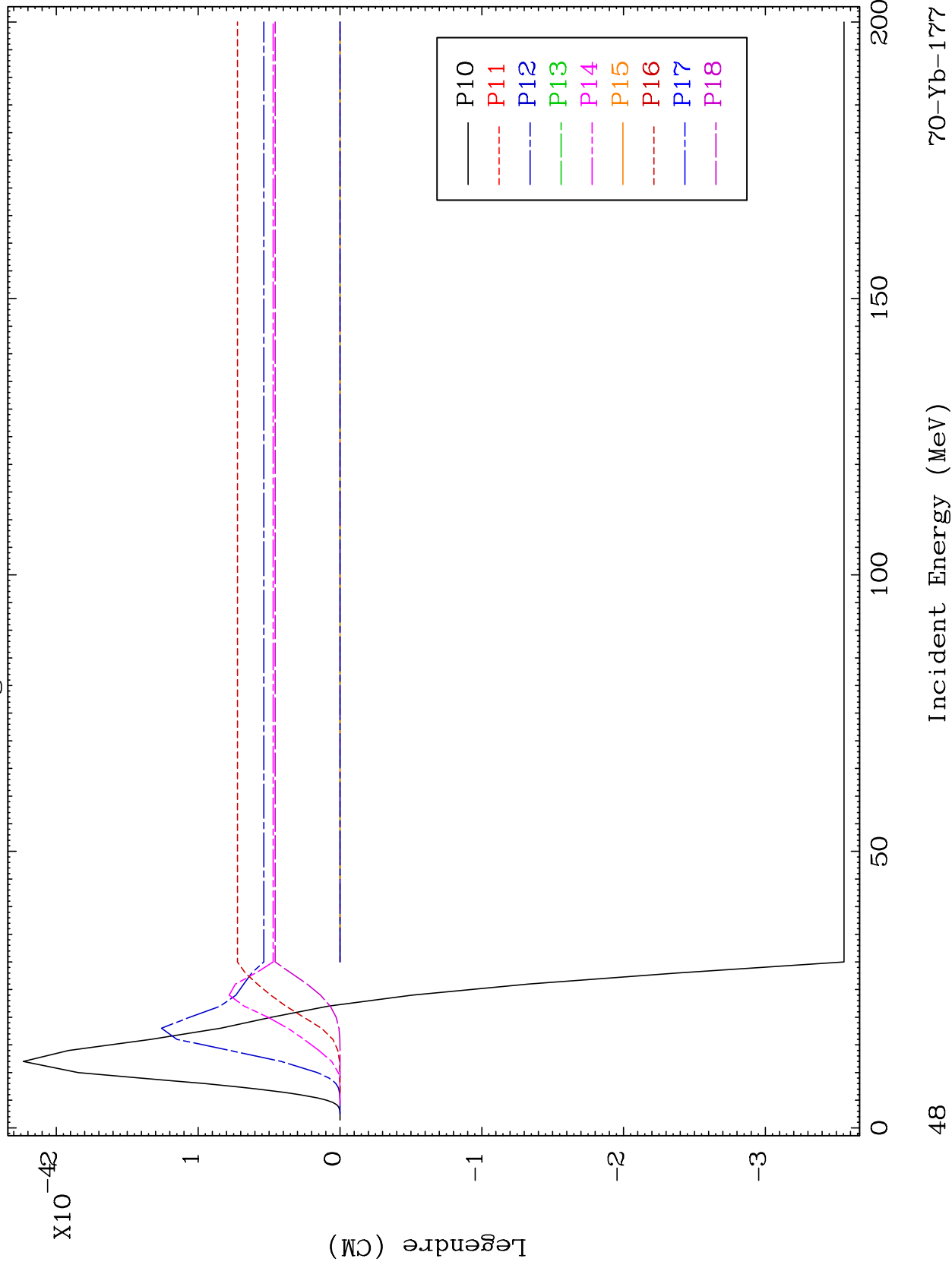




MAT 7052

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

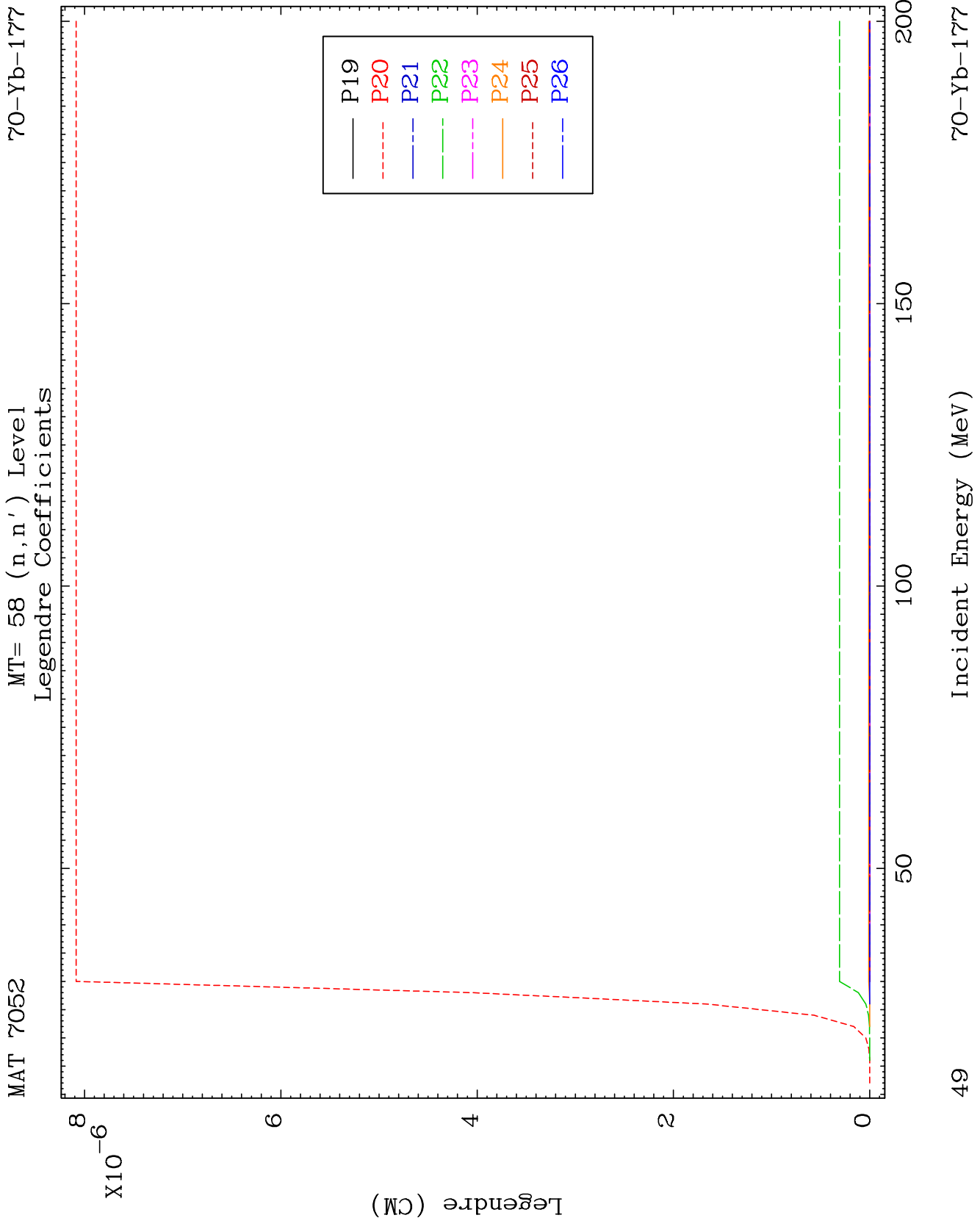
70-Yb-177

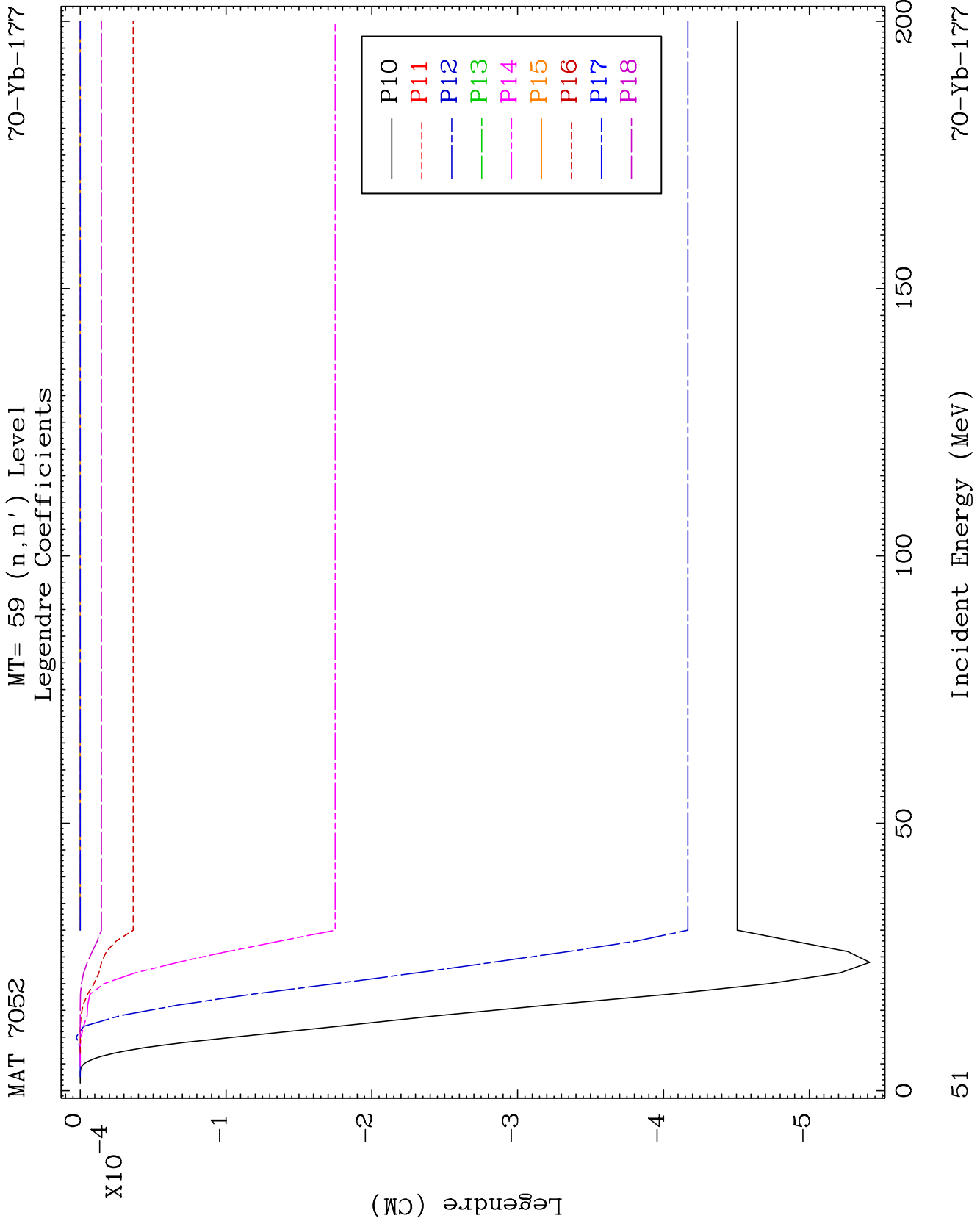


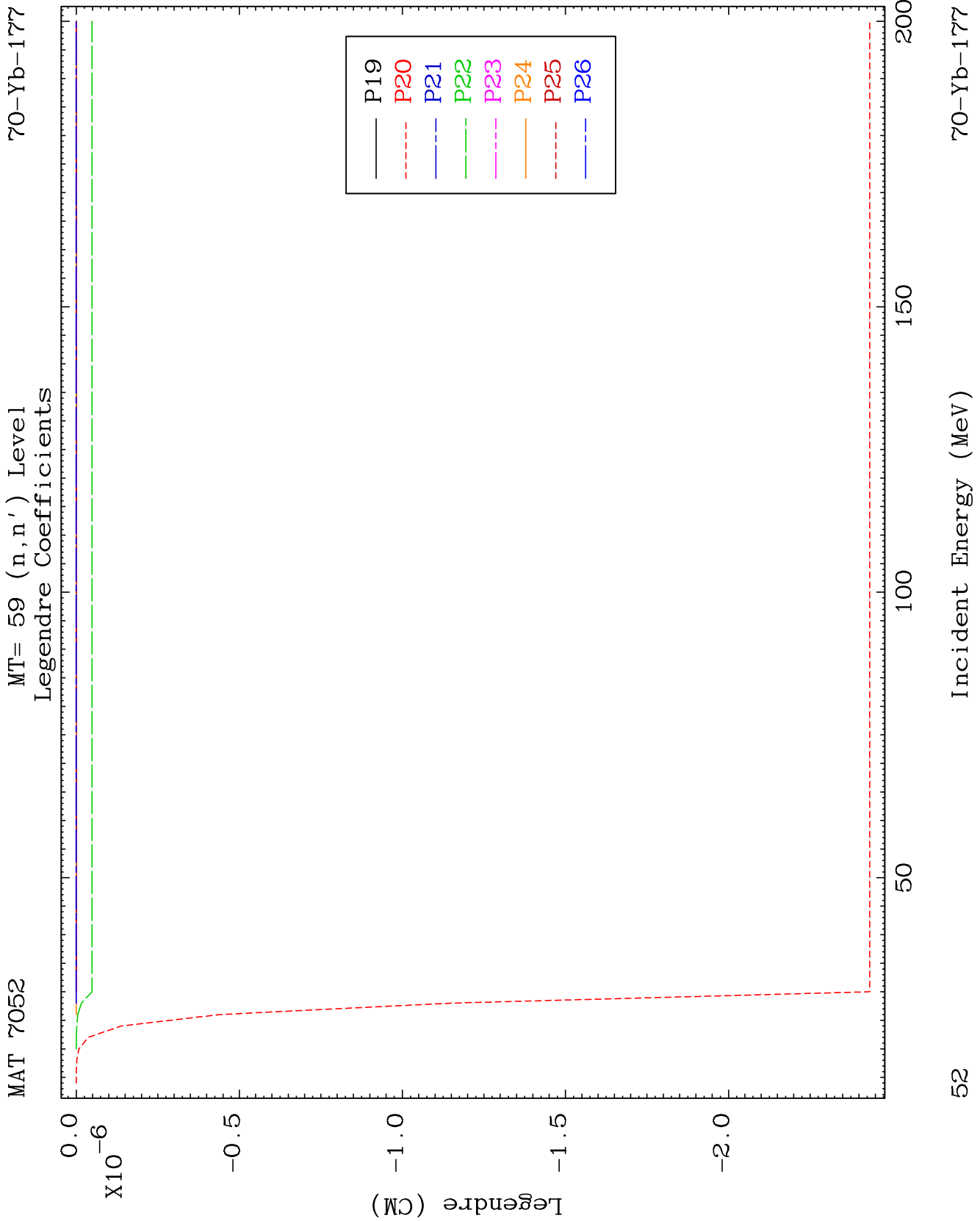
70-Yb-177

Incident Energy (MeV)

48



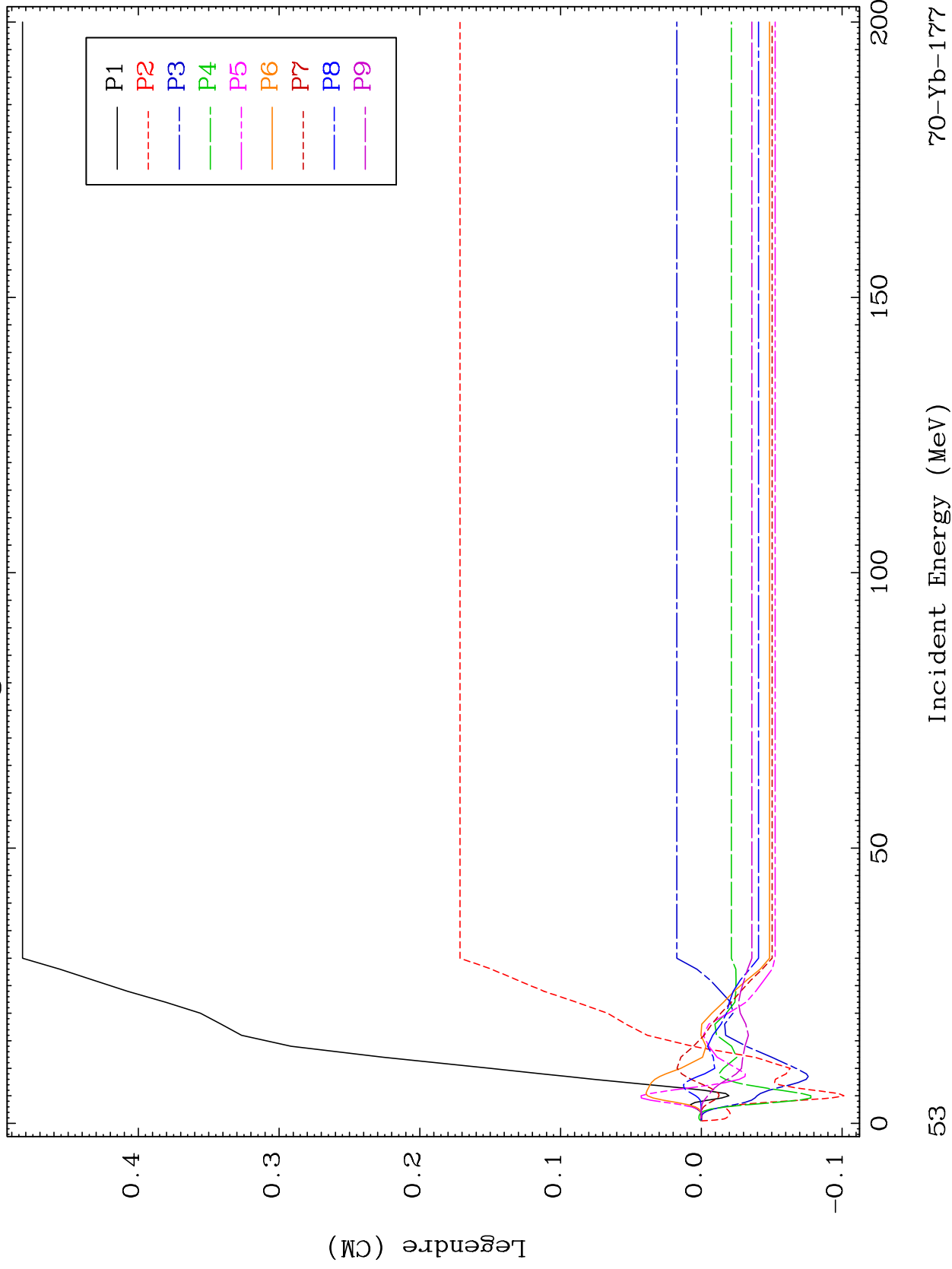




MAT 7052

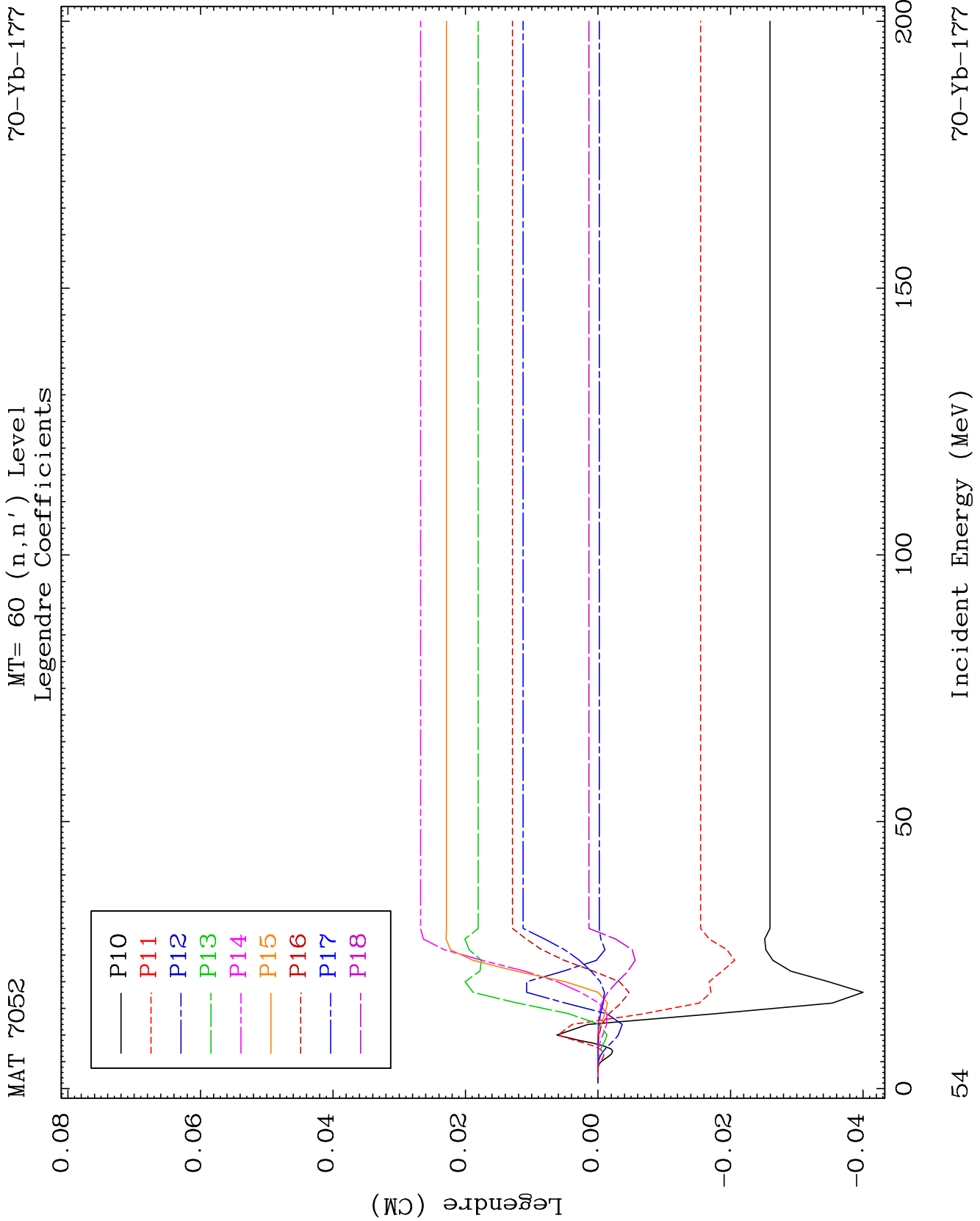
MT= 60 (n,n') Level
Legendre Coefficients

70-Yb-177



53

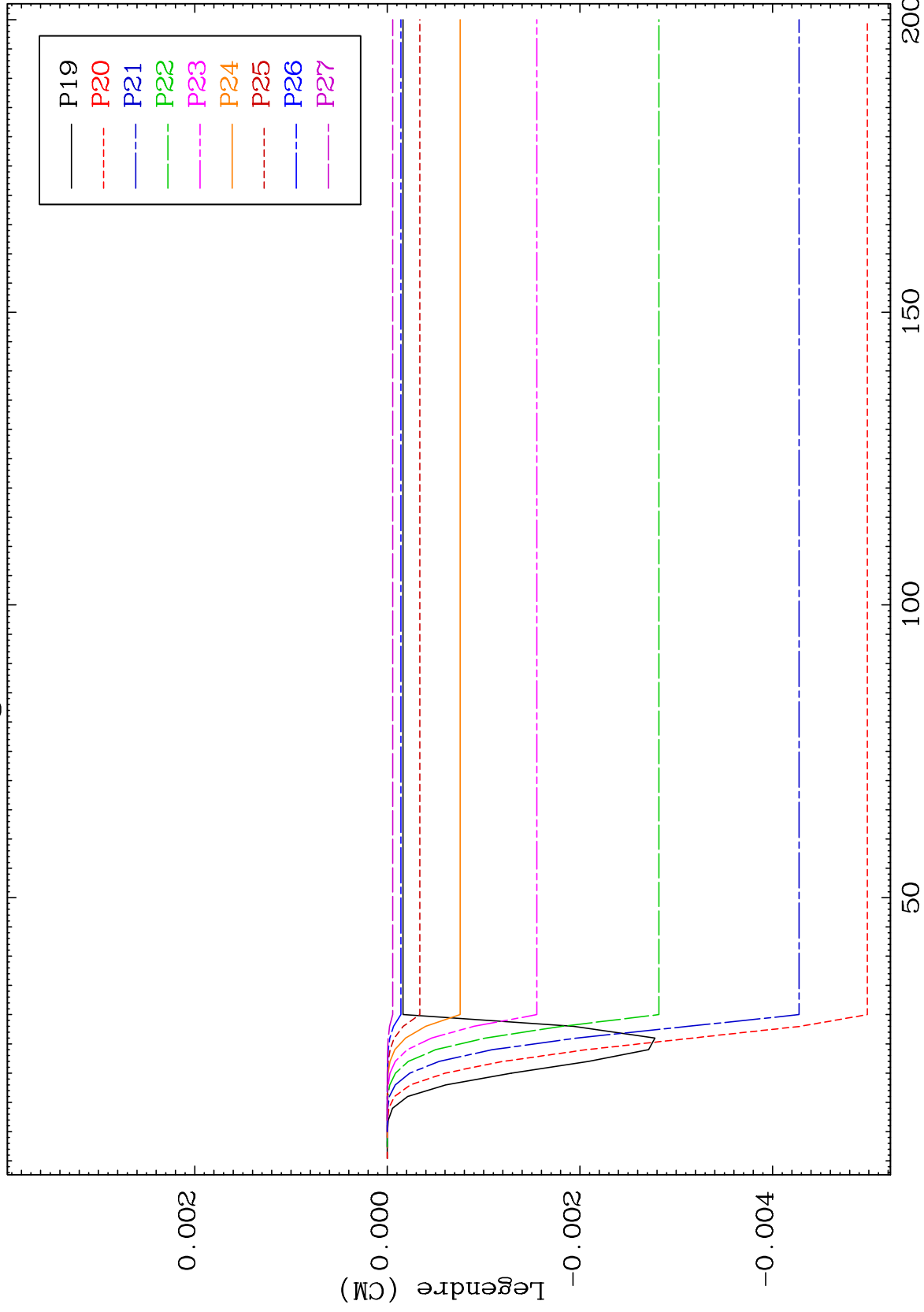
70-Yb-177



MAT 7052

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

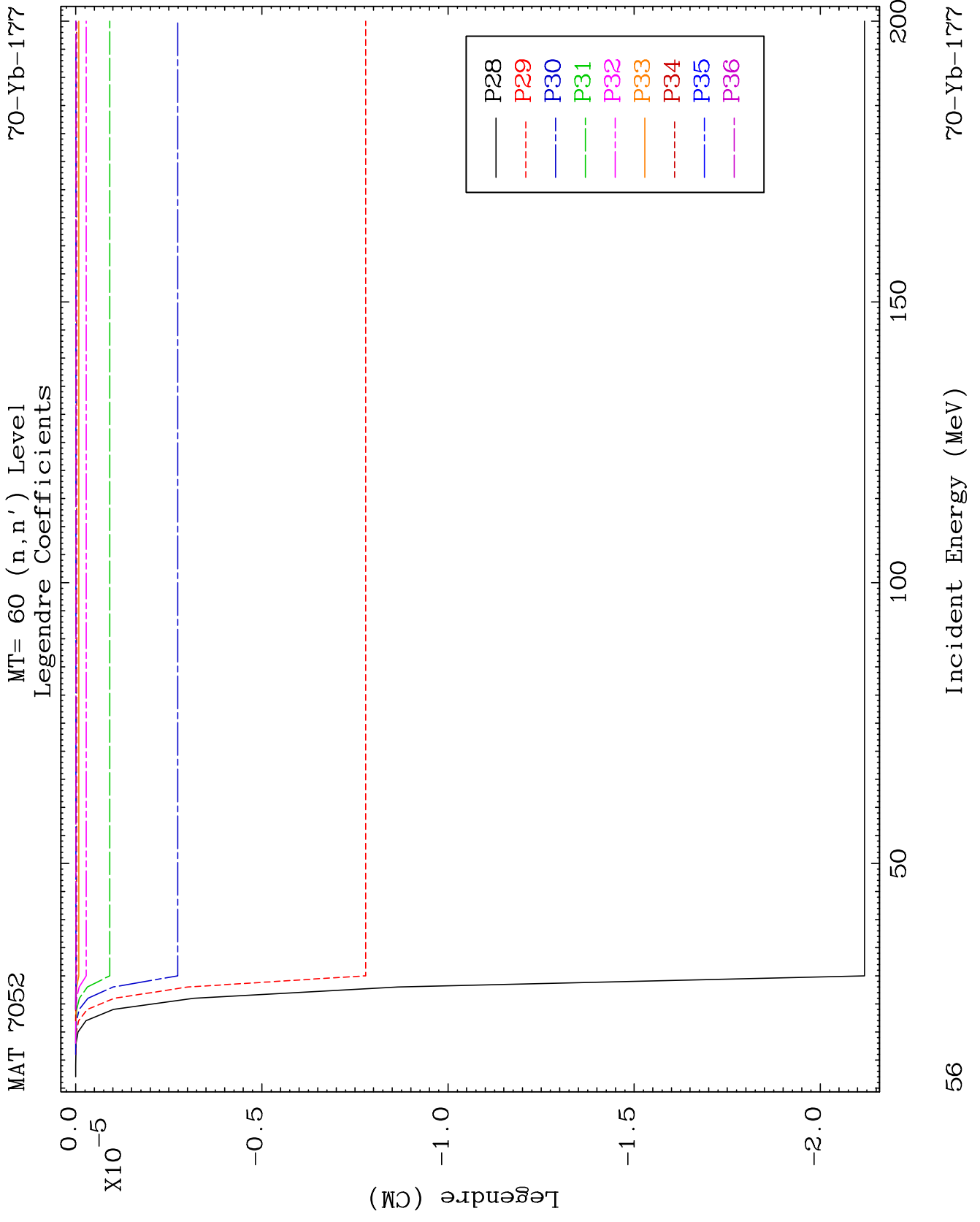
70-Yb-177

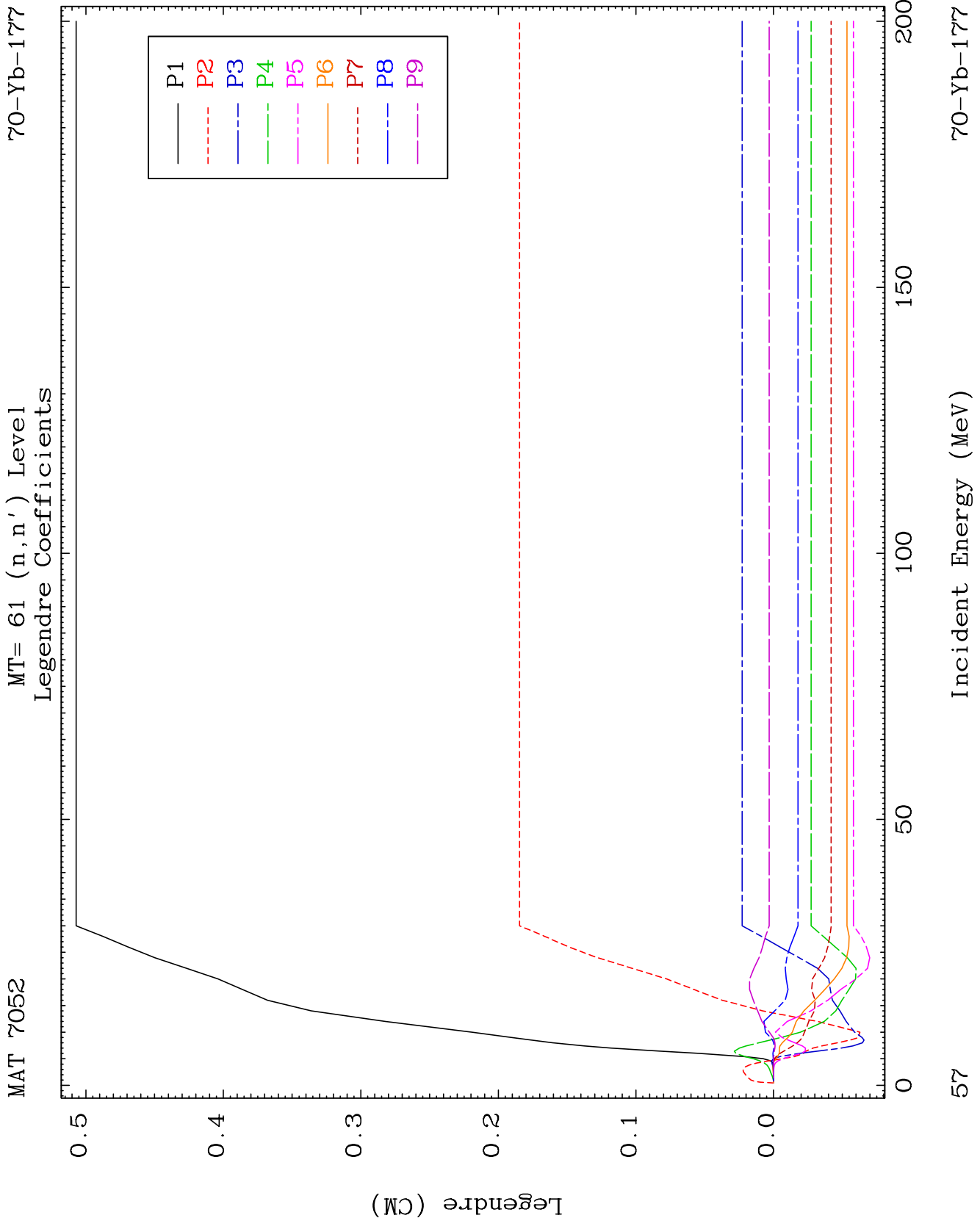


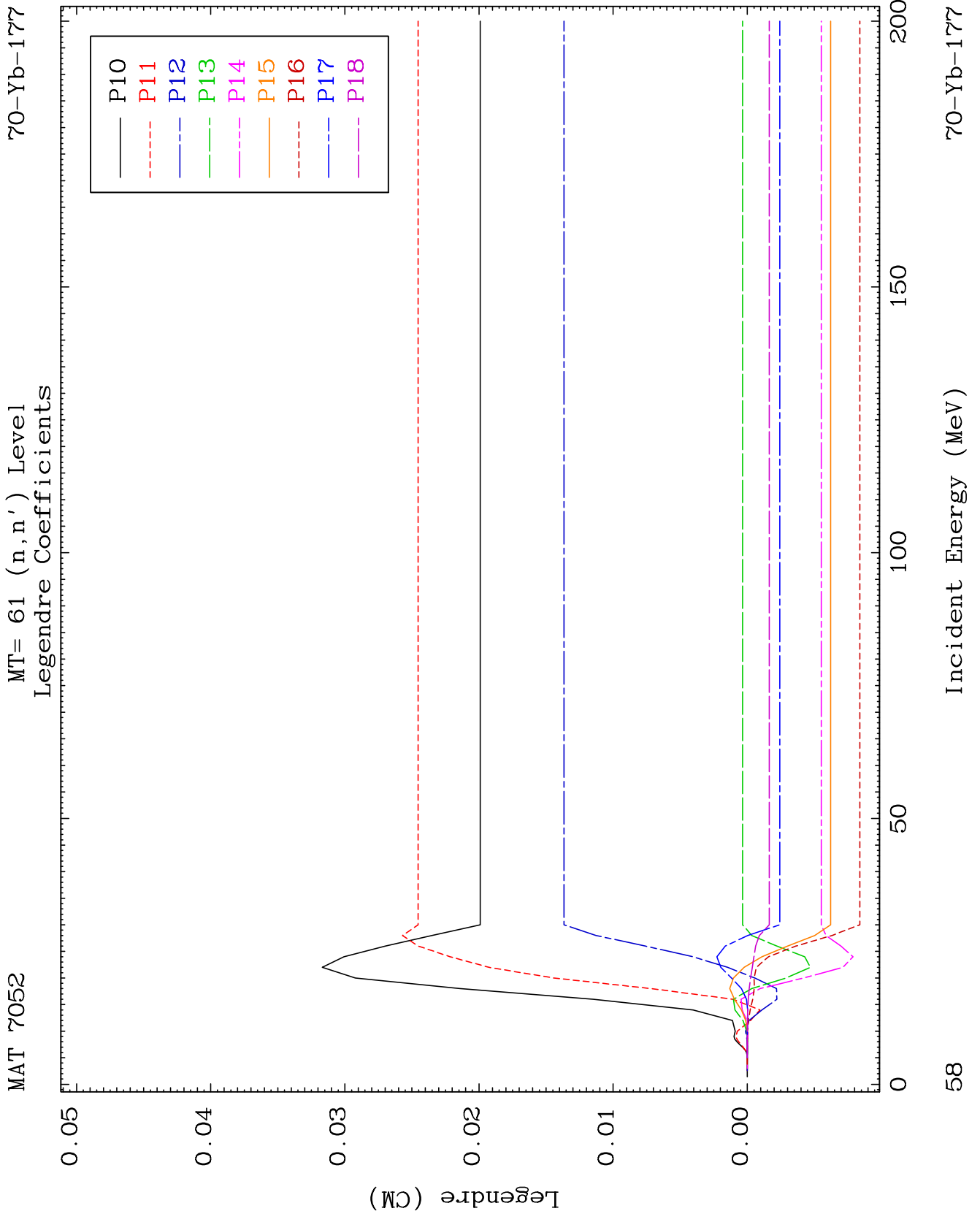
55

Incident Energy (MeV)

70-Yb-177



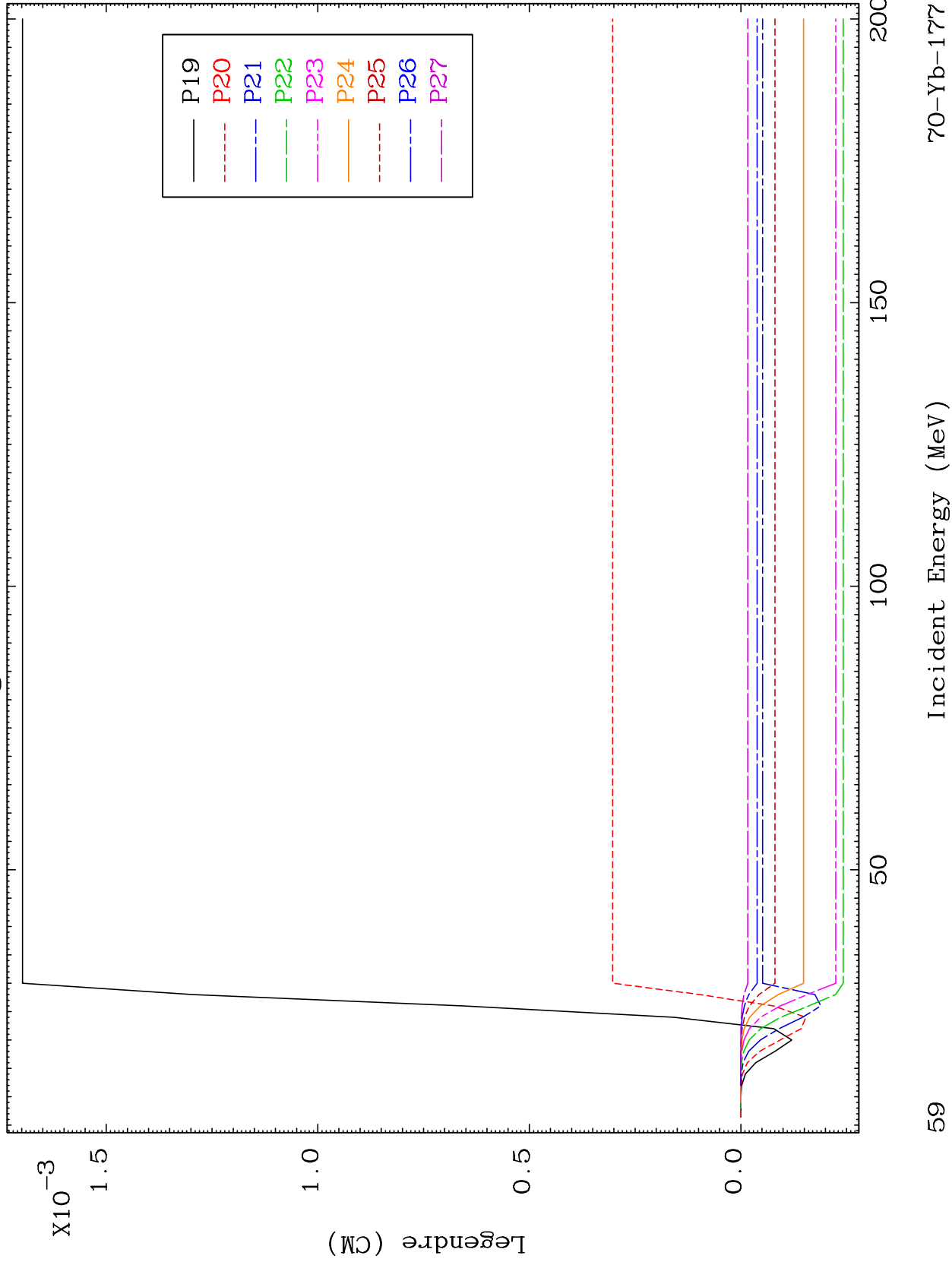




MAT 7052

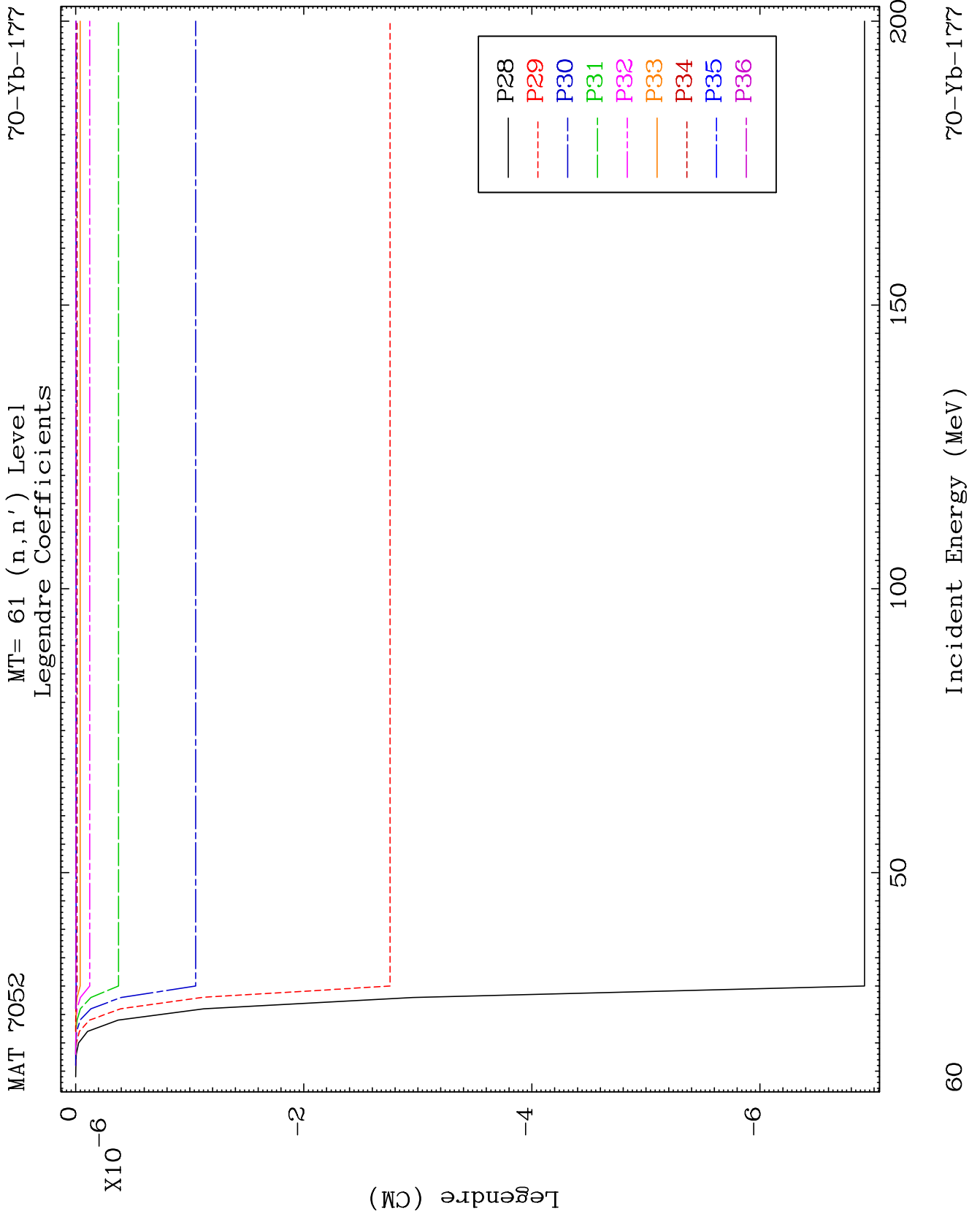
MT= 61 (n,n') Level
Legendre Coefficients

70-Yb-177



59

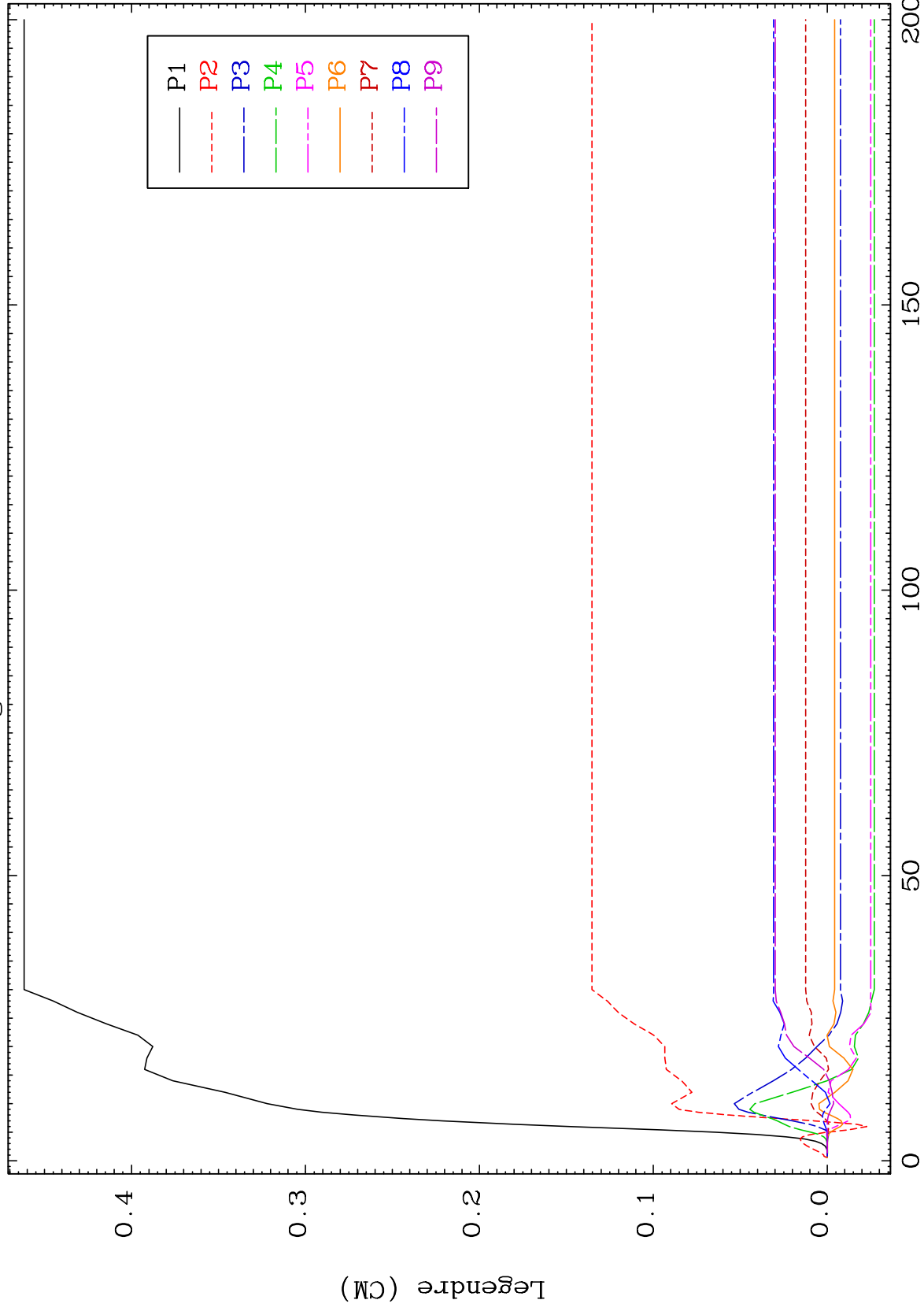
70-Yb-177



MAT 7052

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

70-Yb-177



61

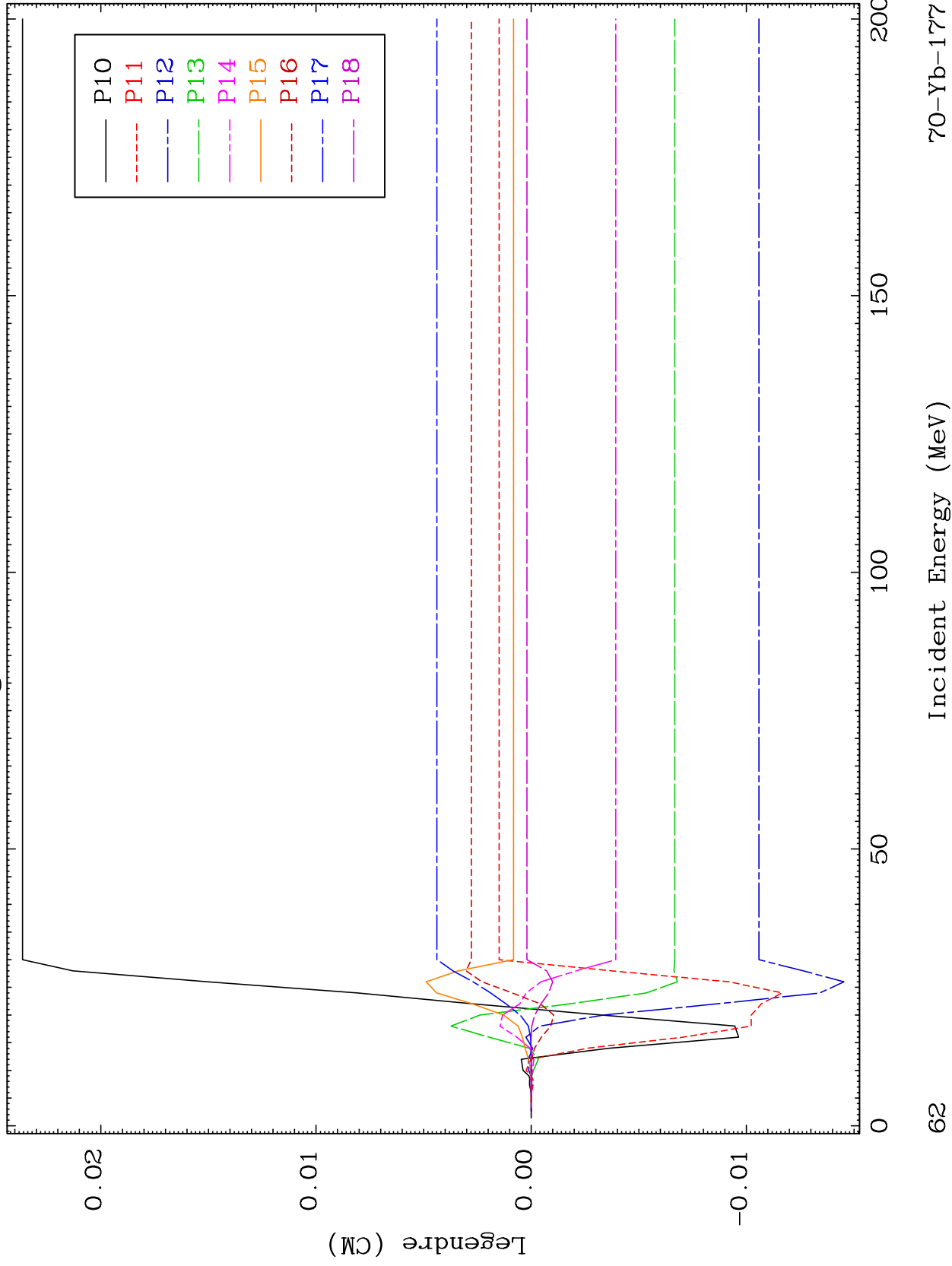
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

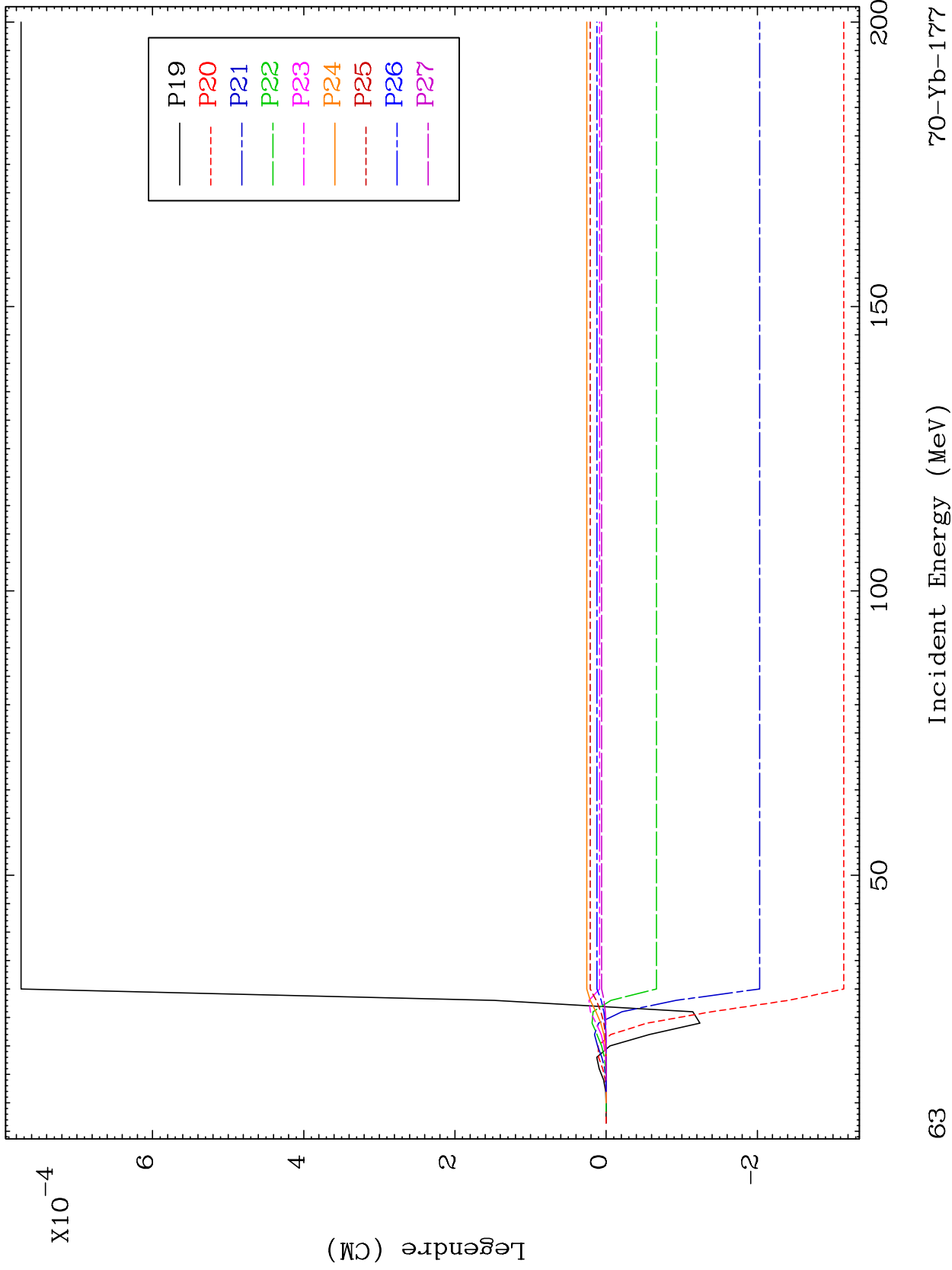
Incident Energy (MeV)

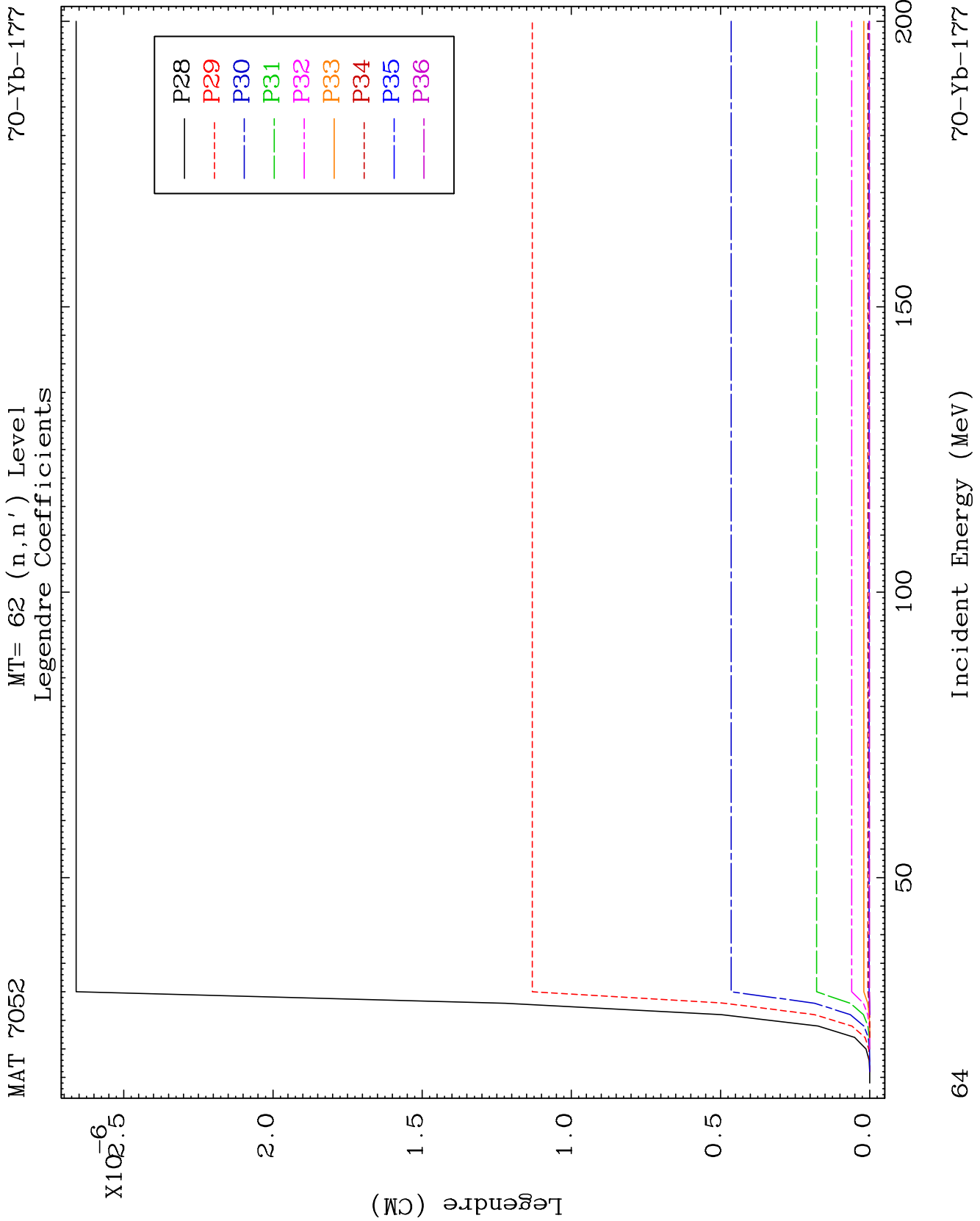
62

MAT 7052

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

70-Yb-177

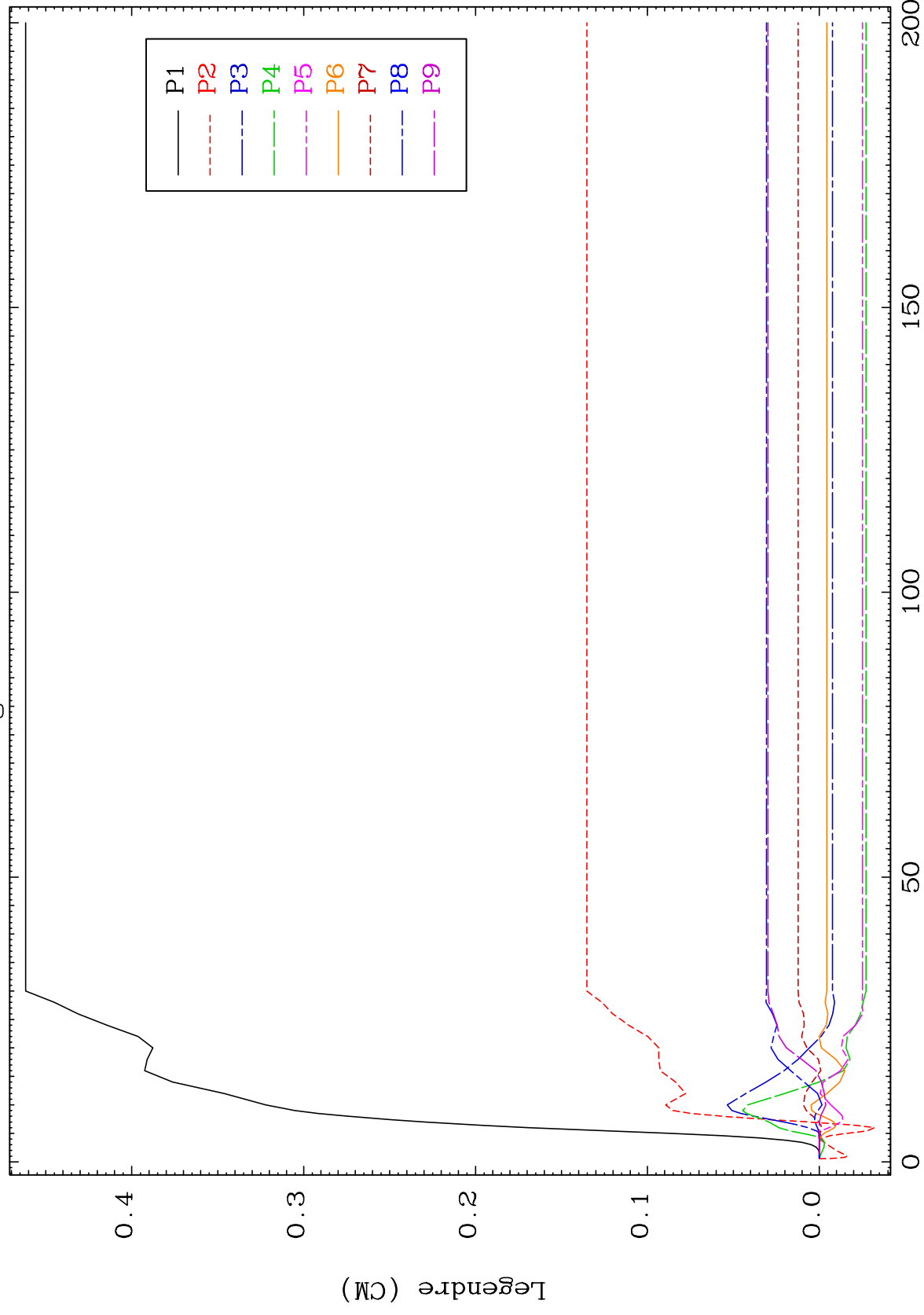




MAT 7052

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

70-Yb-177



70-Yb-177

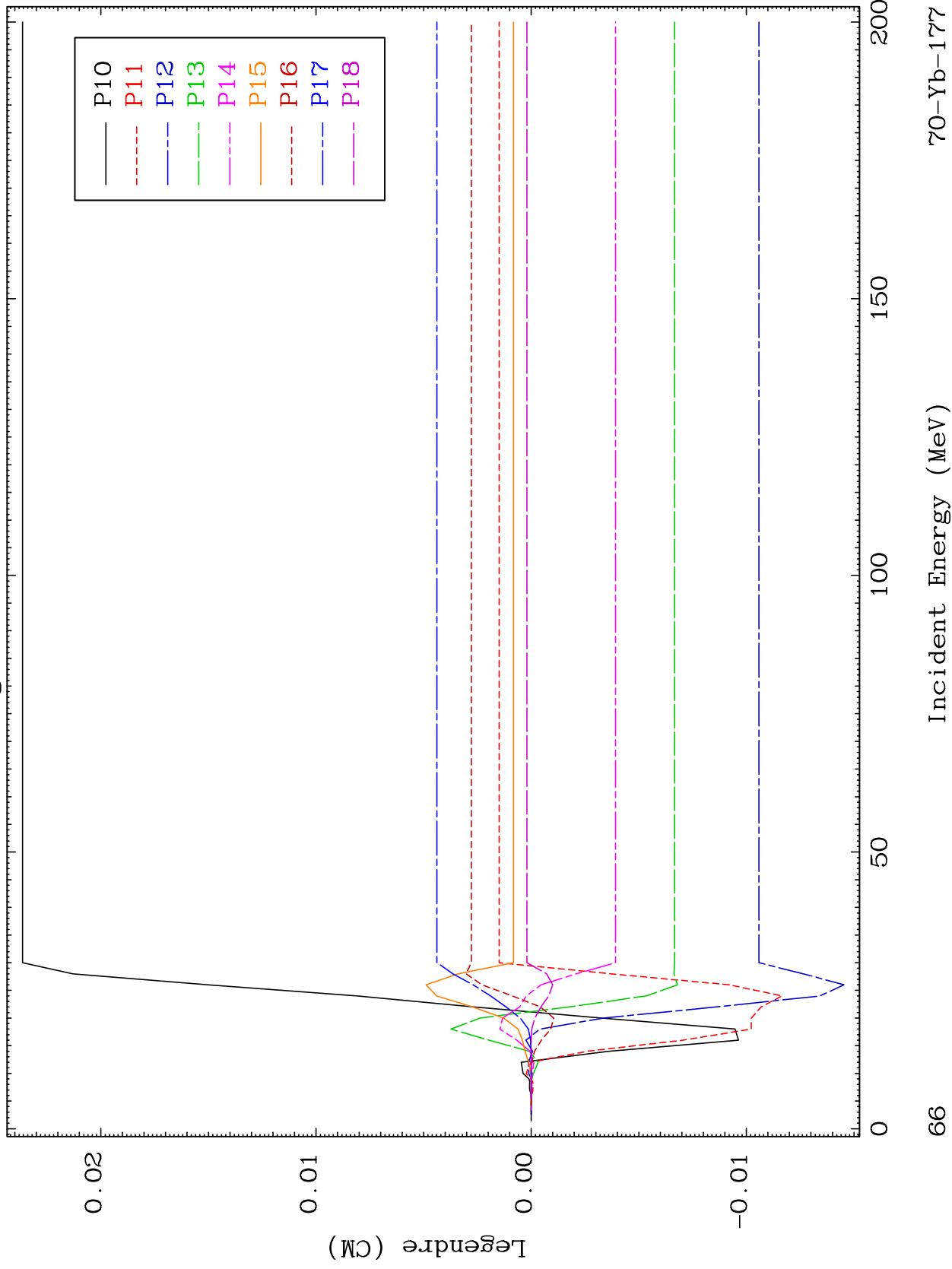
Incident Energy (MeV)

65

MAT 7052

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

70-Yb-177



66

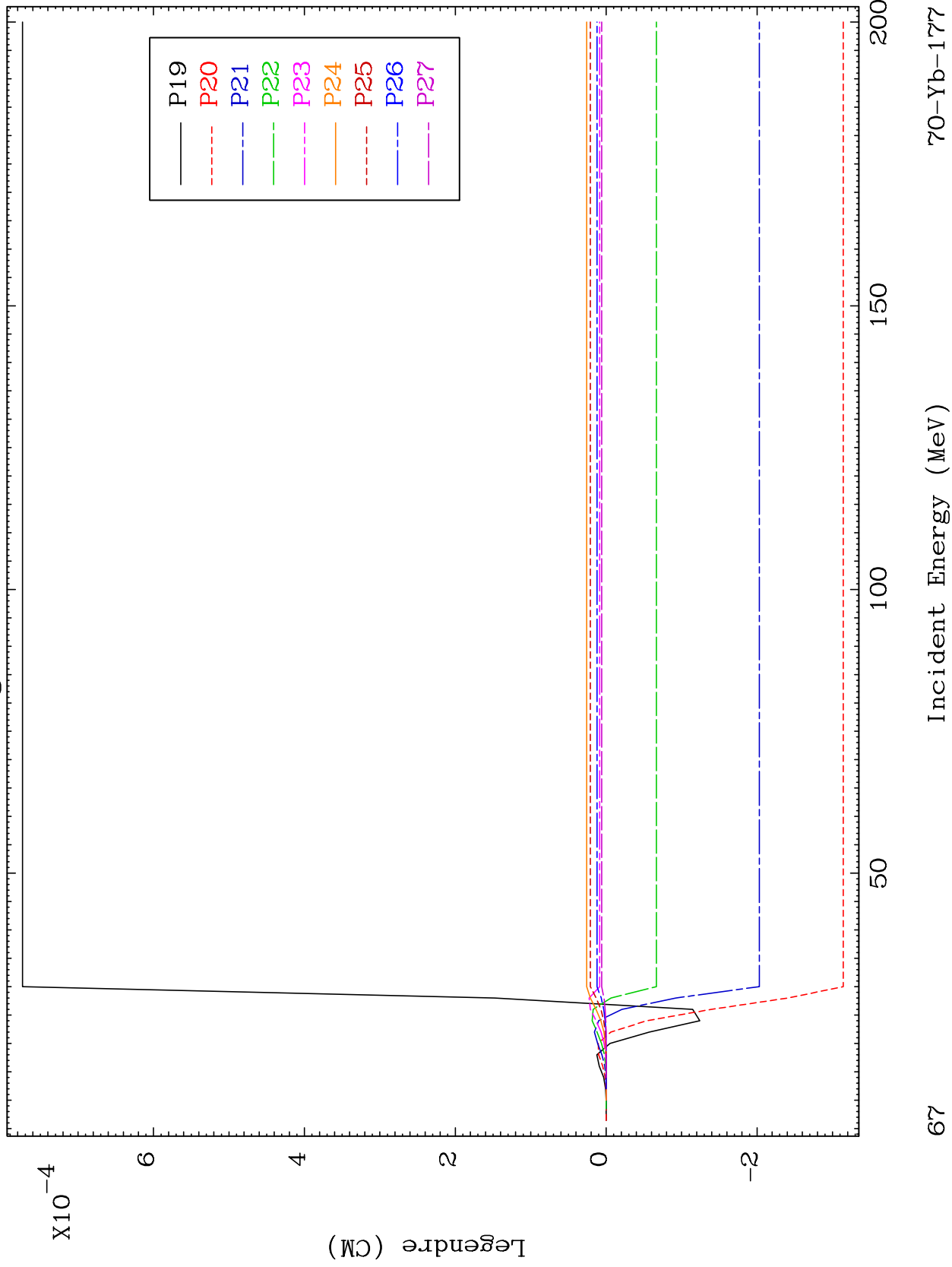
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

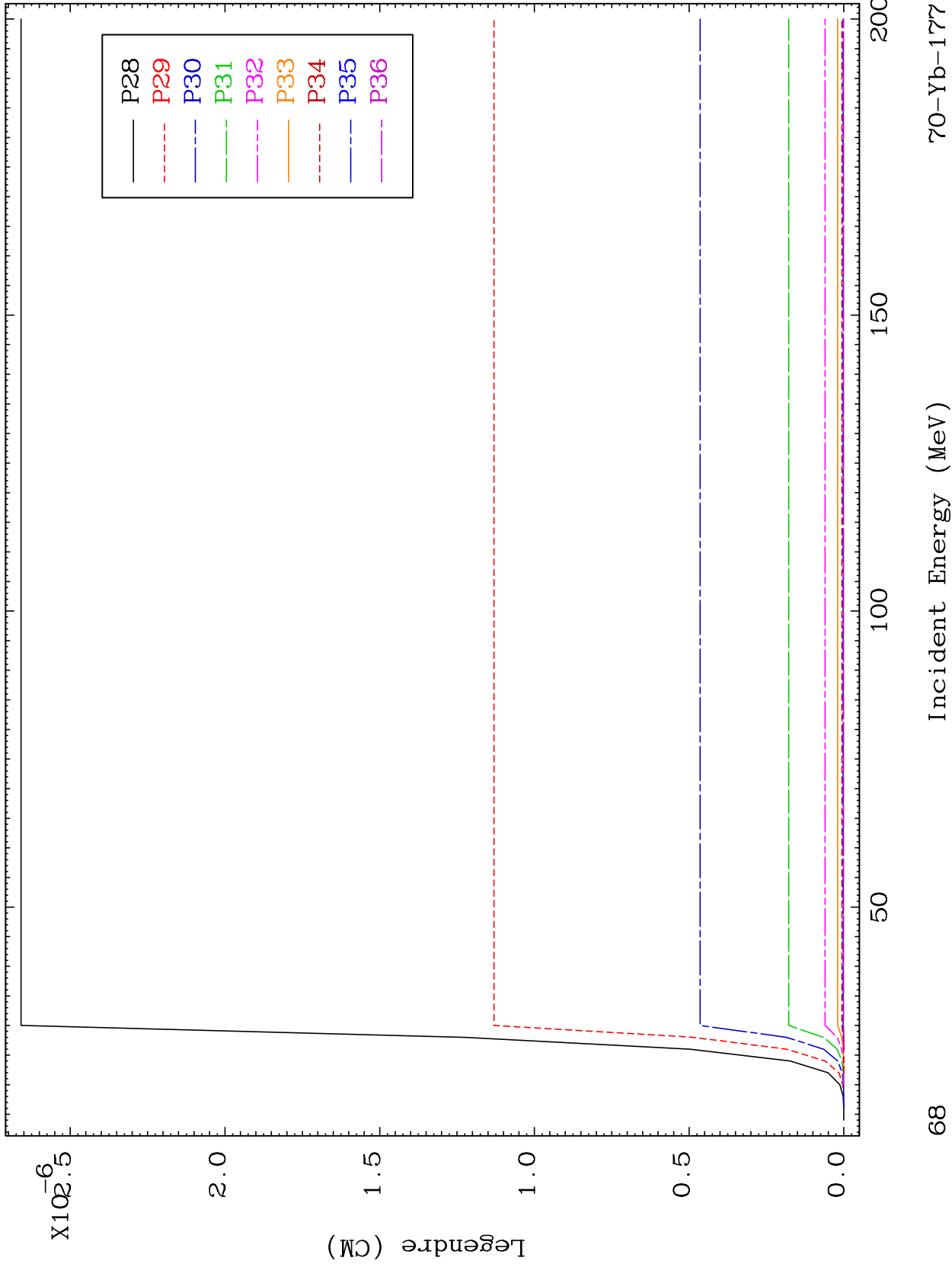
70-Yb-177



MAT 7052

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

70-Yb-177



68

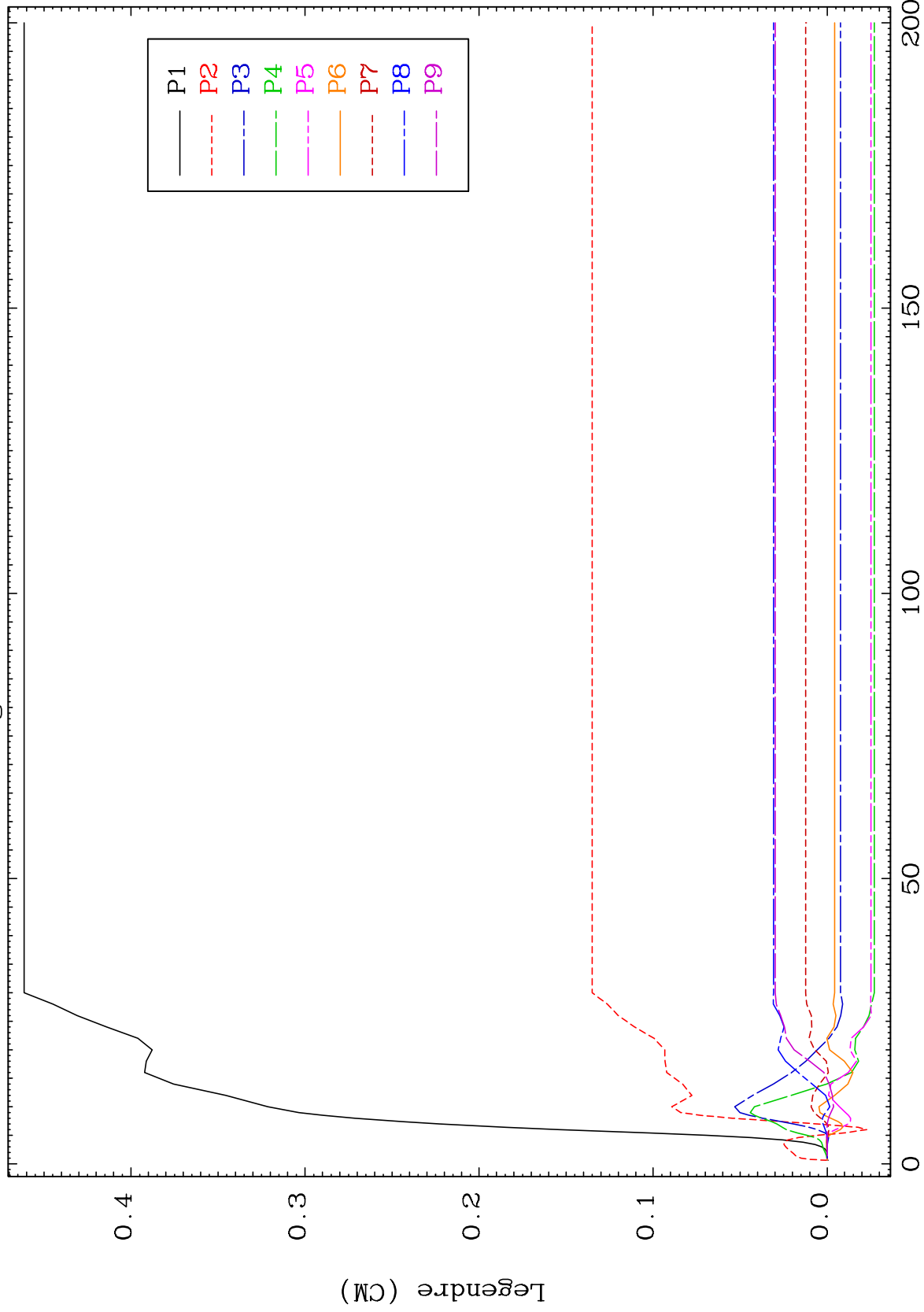
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



69

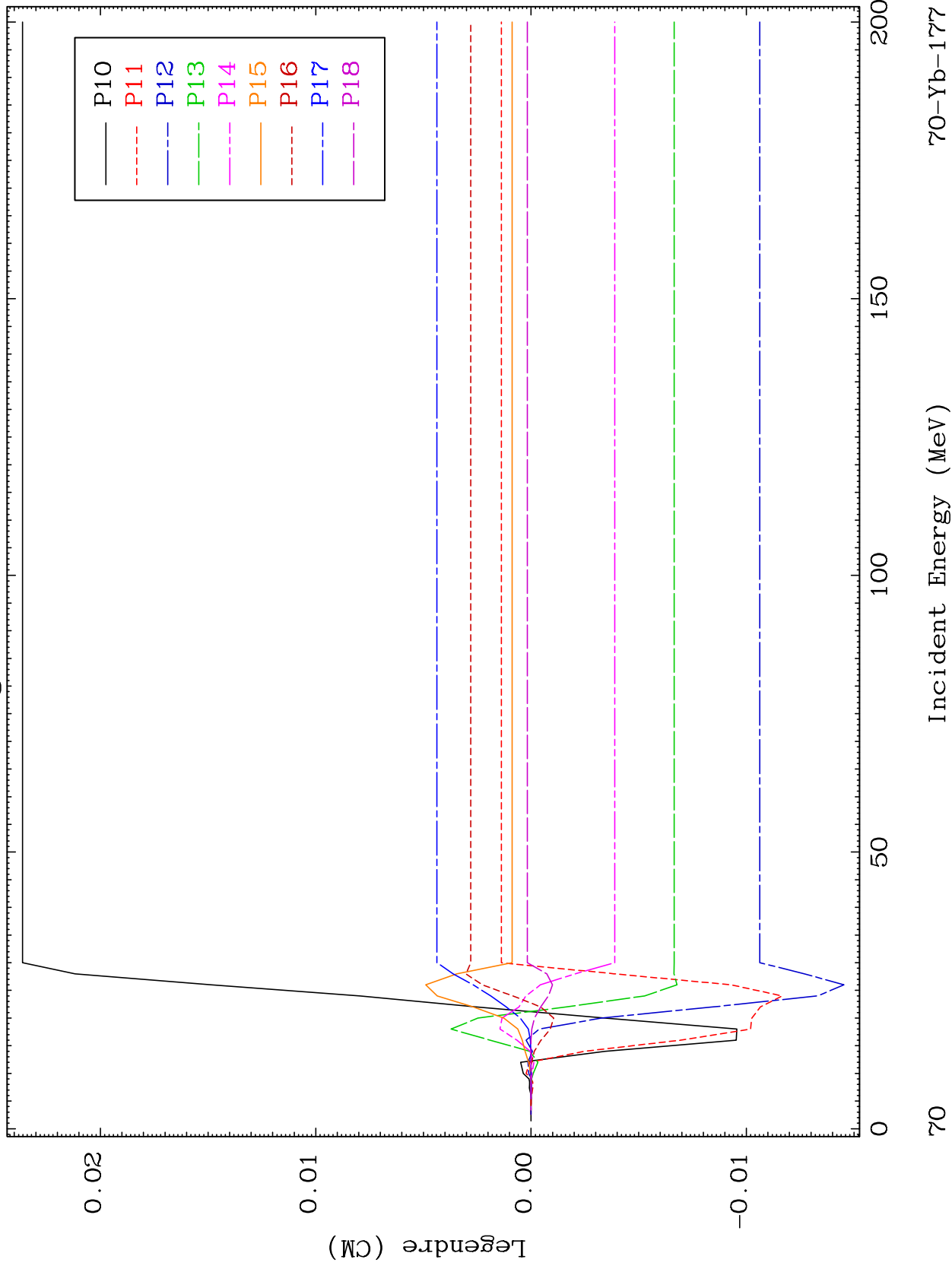
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

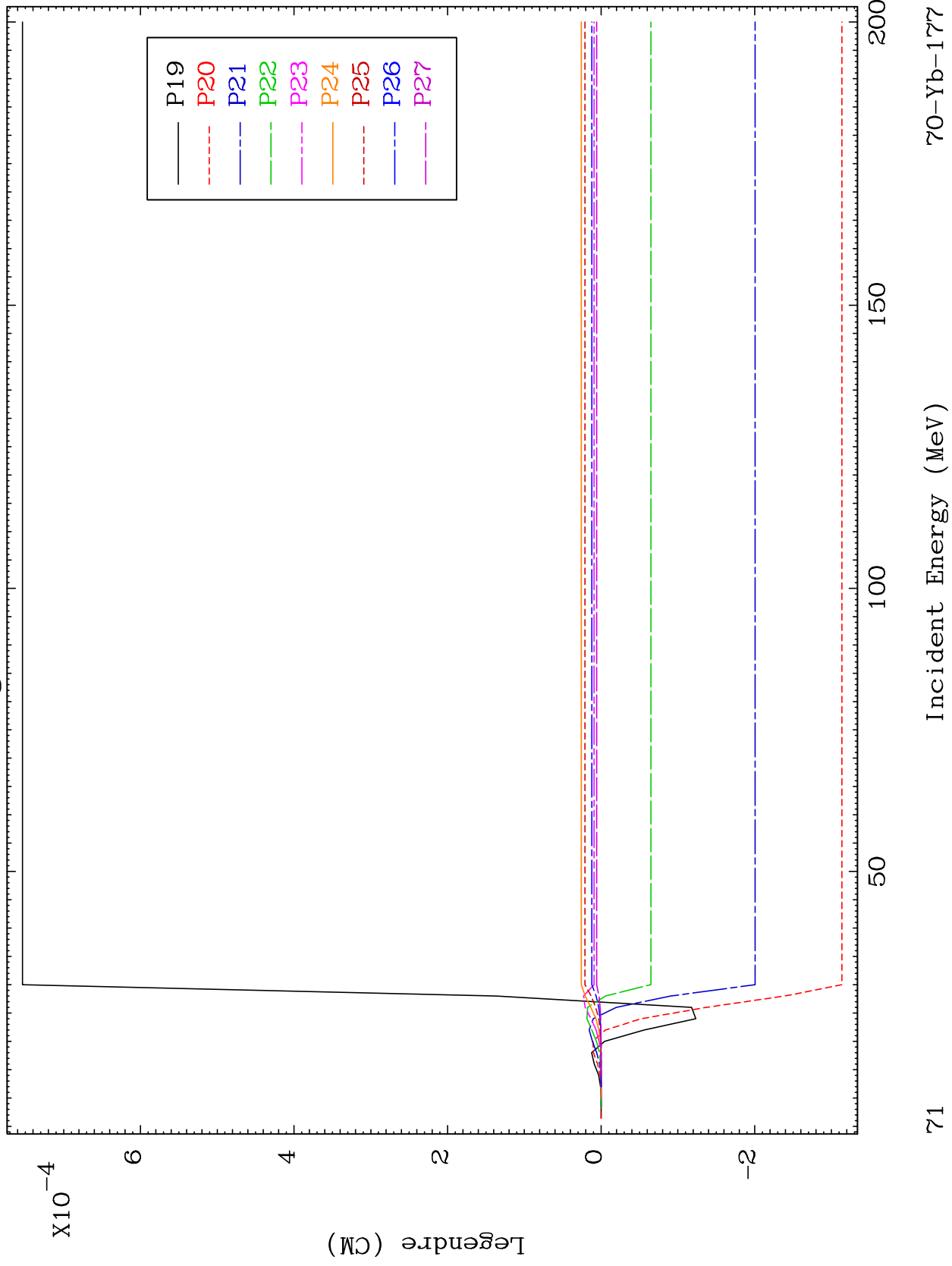
Incident Energy (MeV)

70

MAT 7052

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

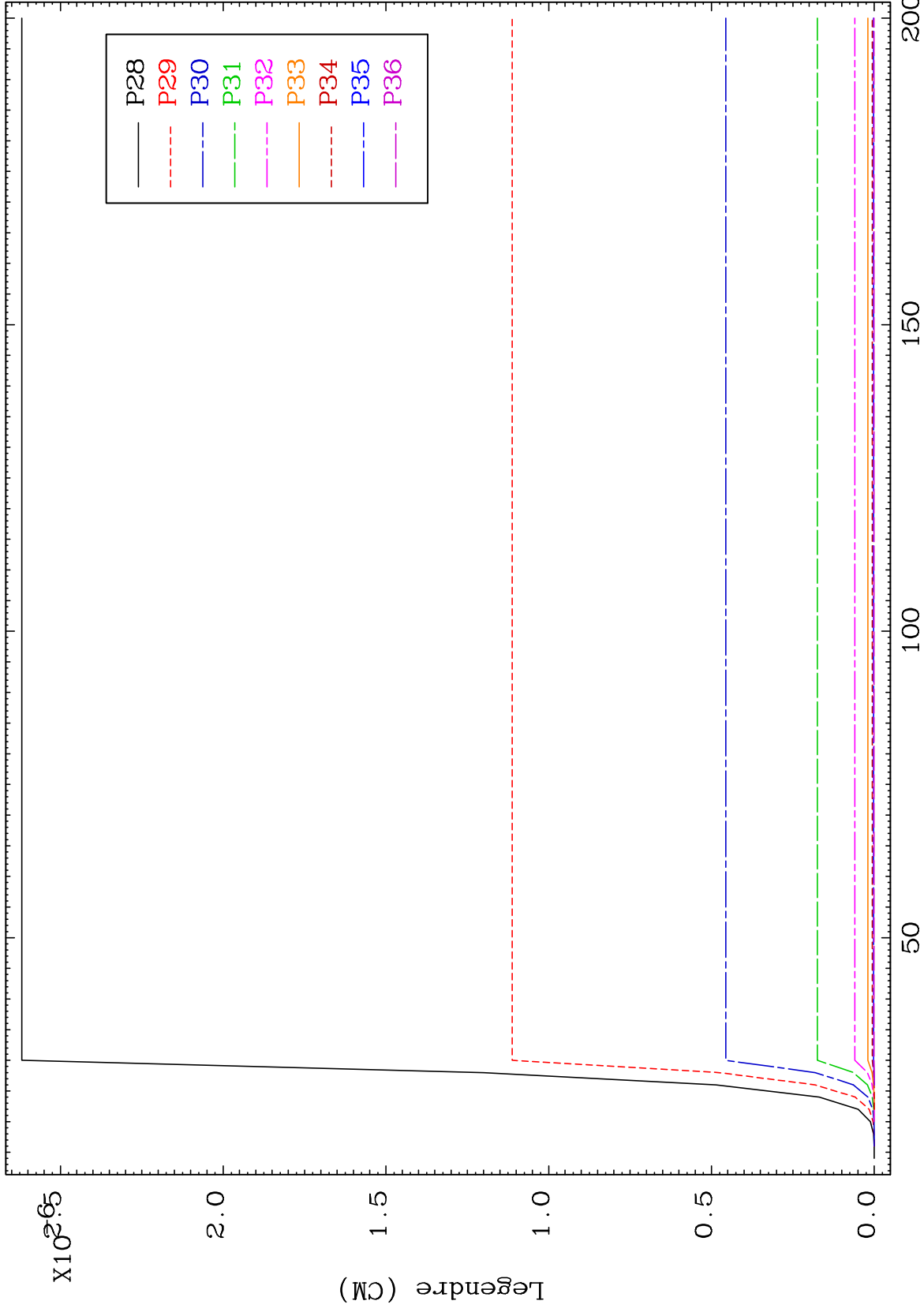
70-Yb-177



MAT 7052

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

70-Yb-177



72

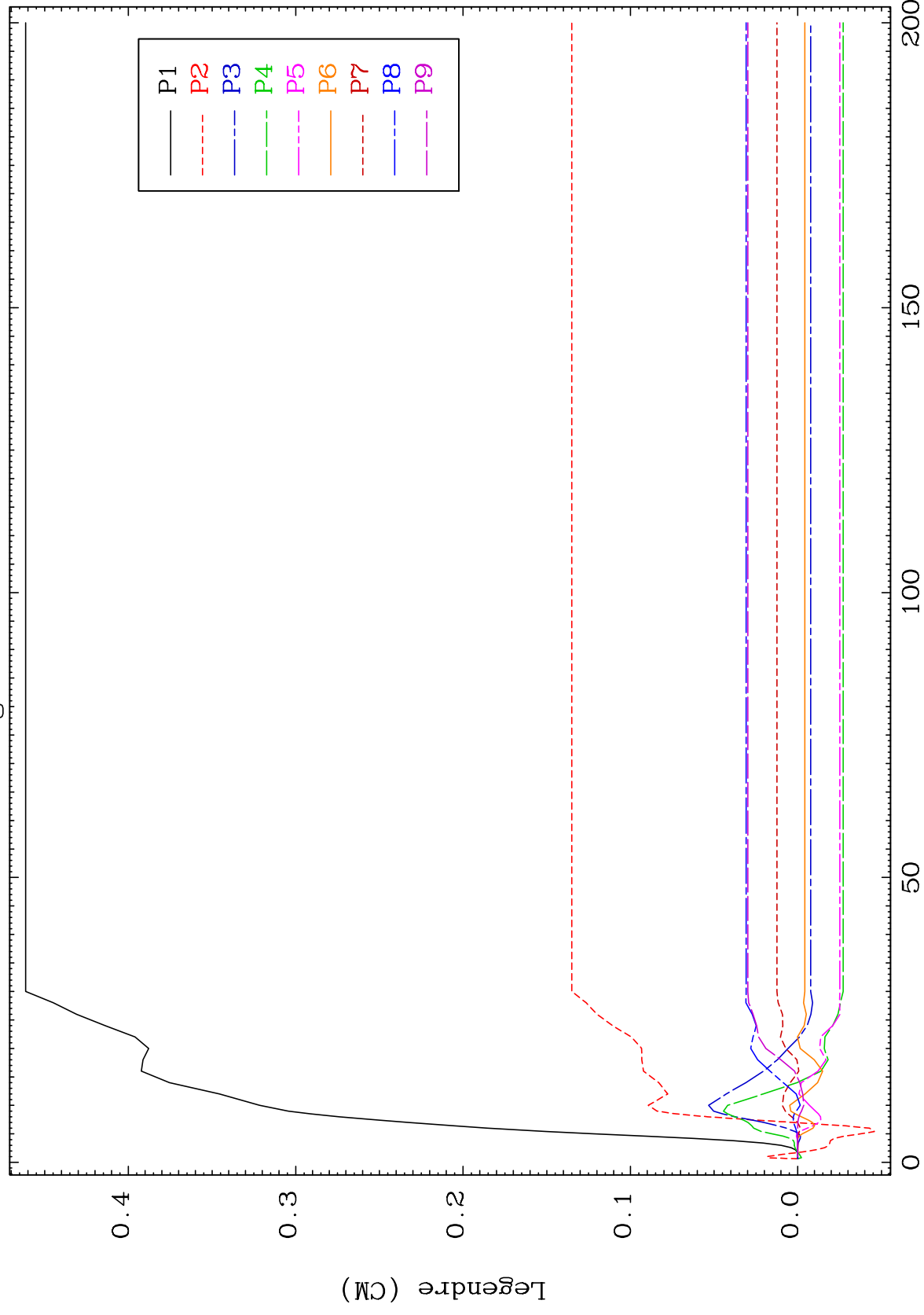
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



73

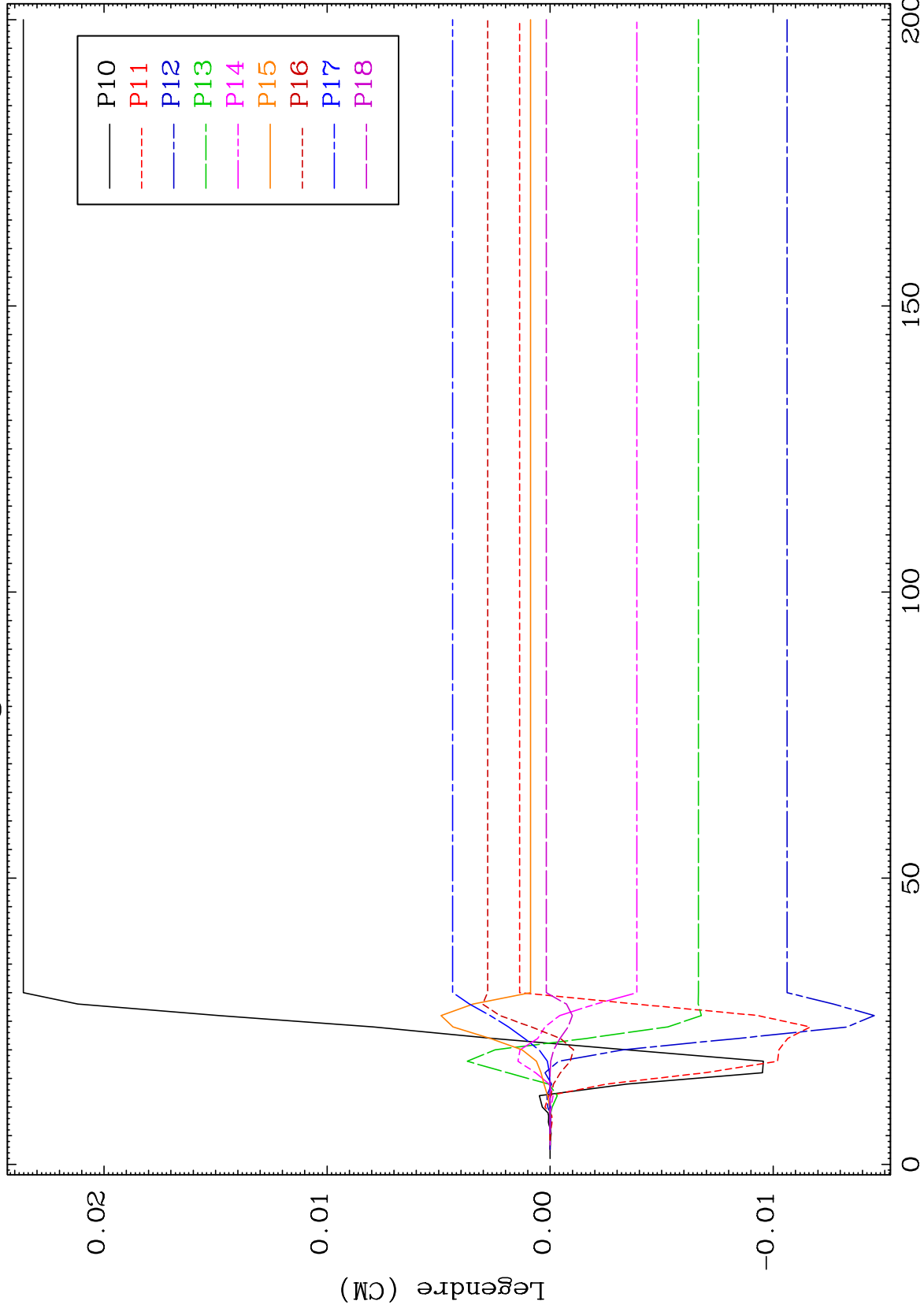
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



74

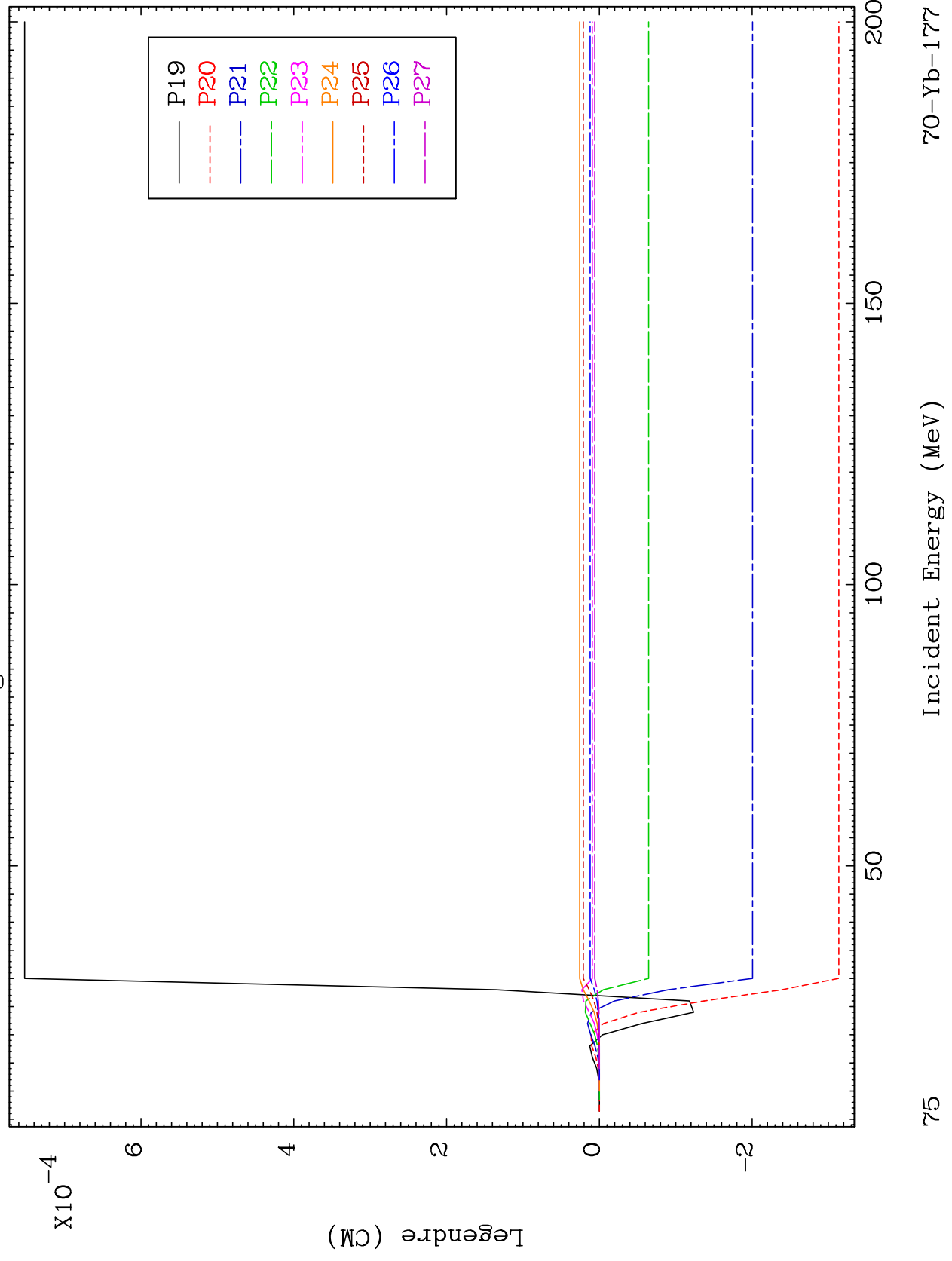
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

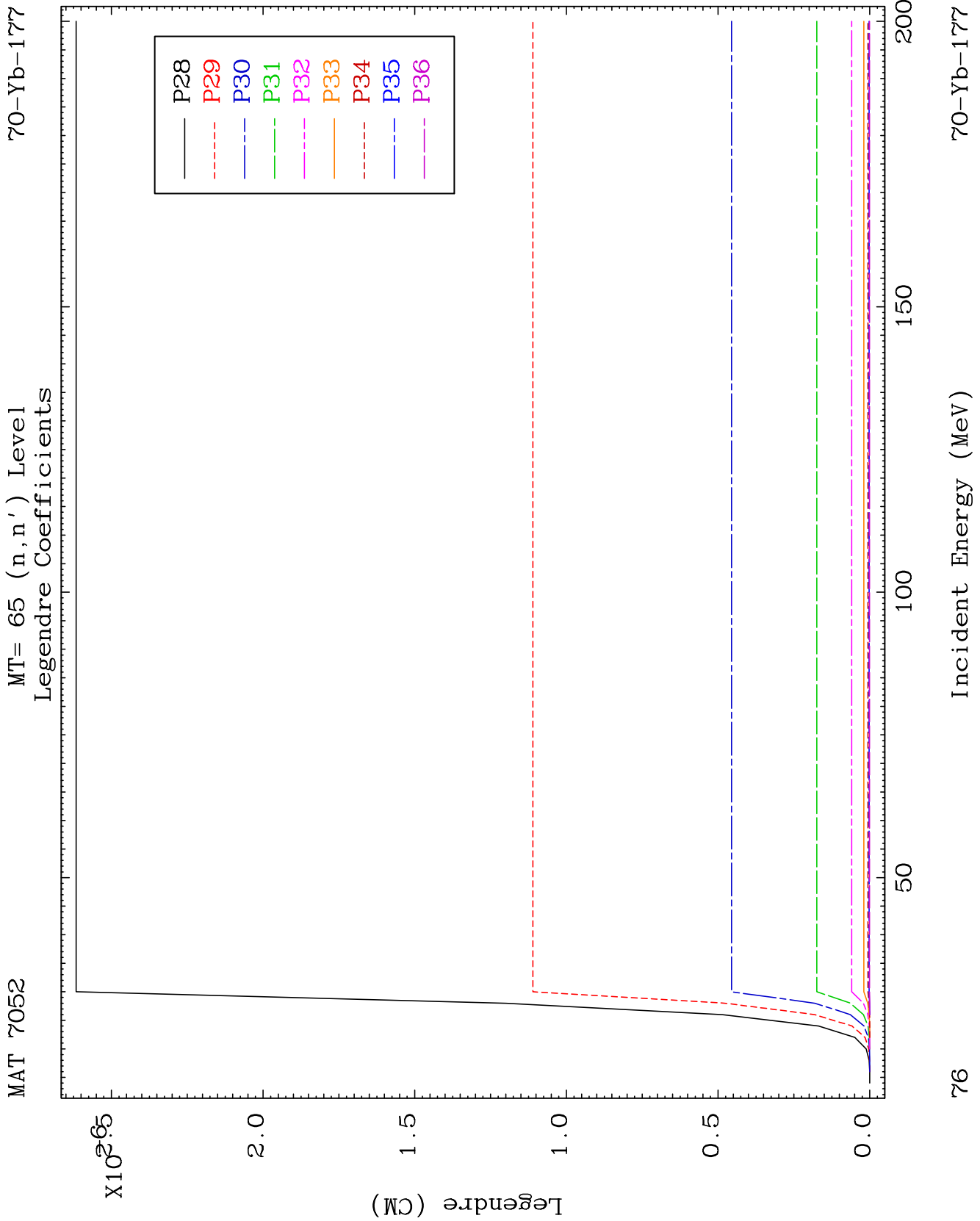
70-Yb-177



75

Incident Energy (MeV)

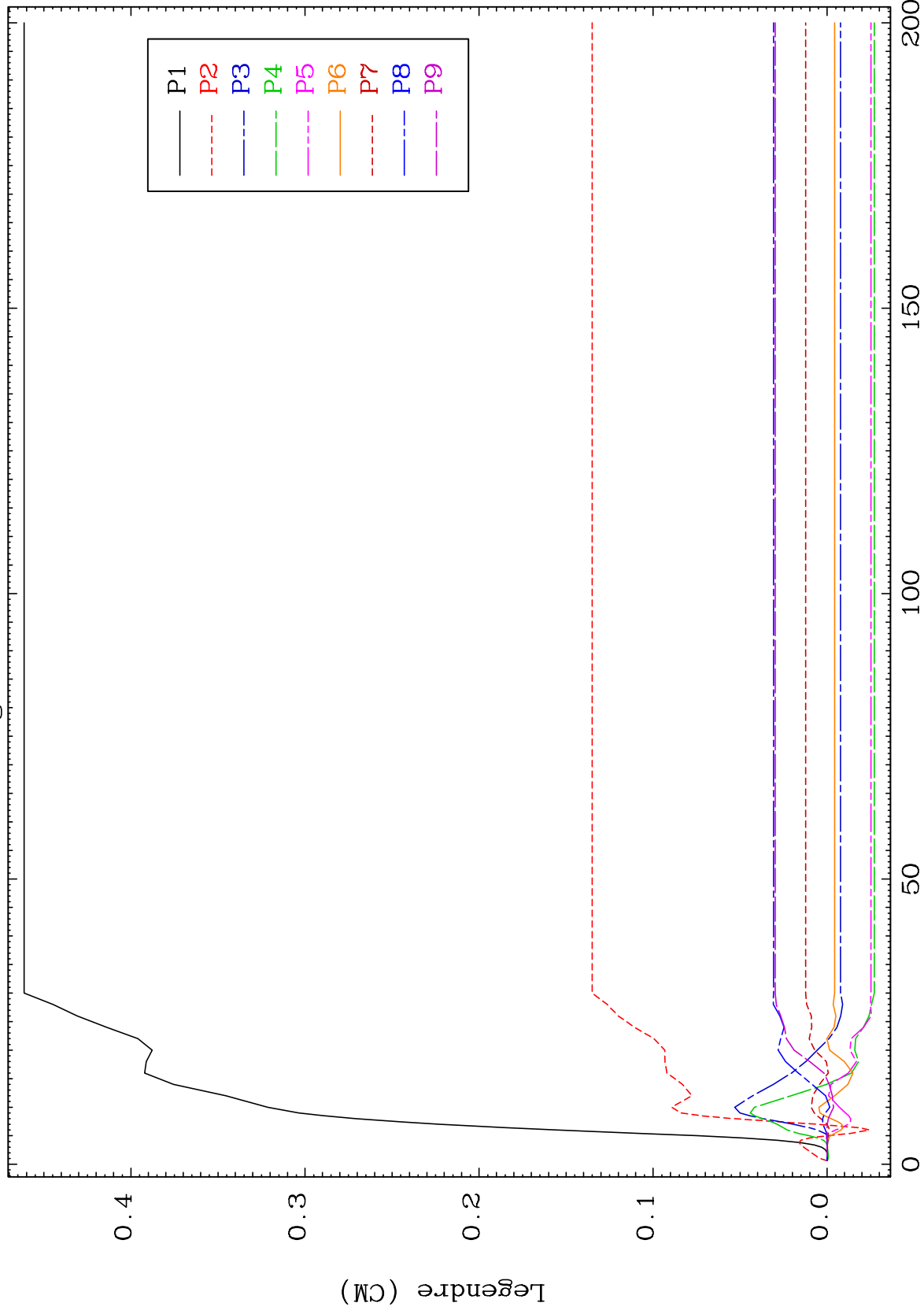
70-Yb-177



MAT 7052

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

70-Yb-177



77

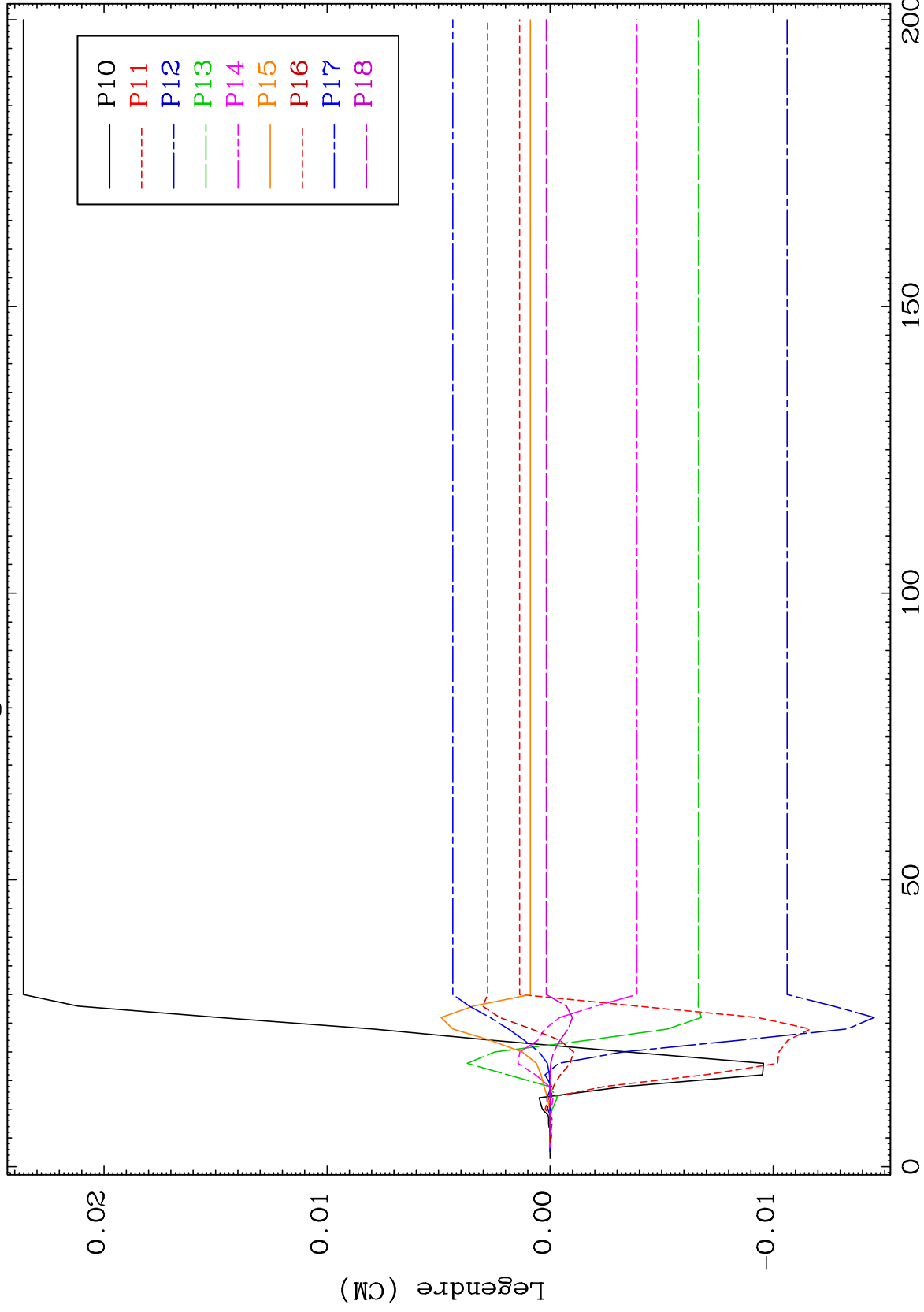
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



Incident Energy (MeV)

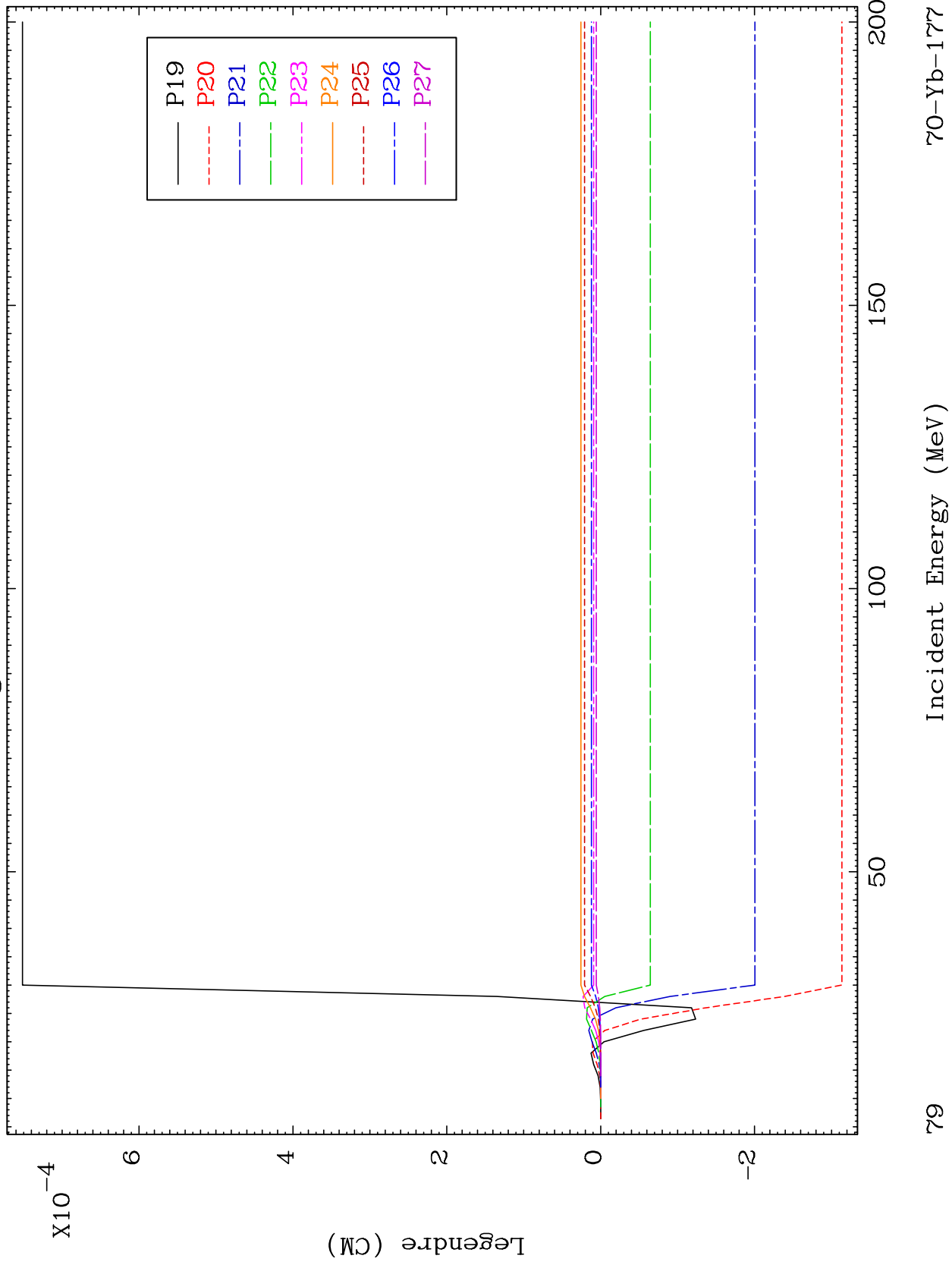
70-Yb-177

78

MAT 7052

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

70-Yb-177



79

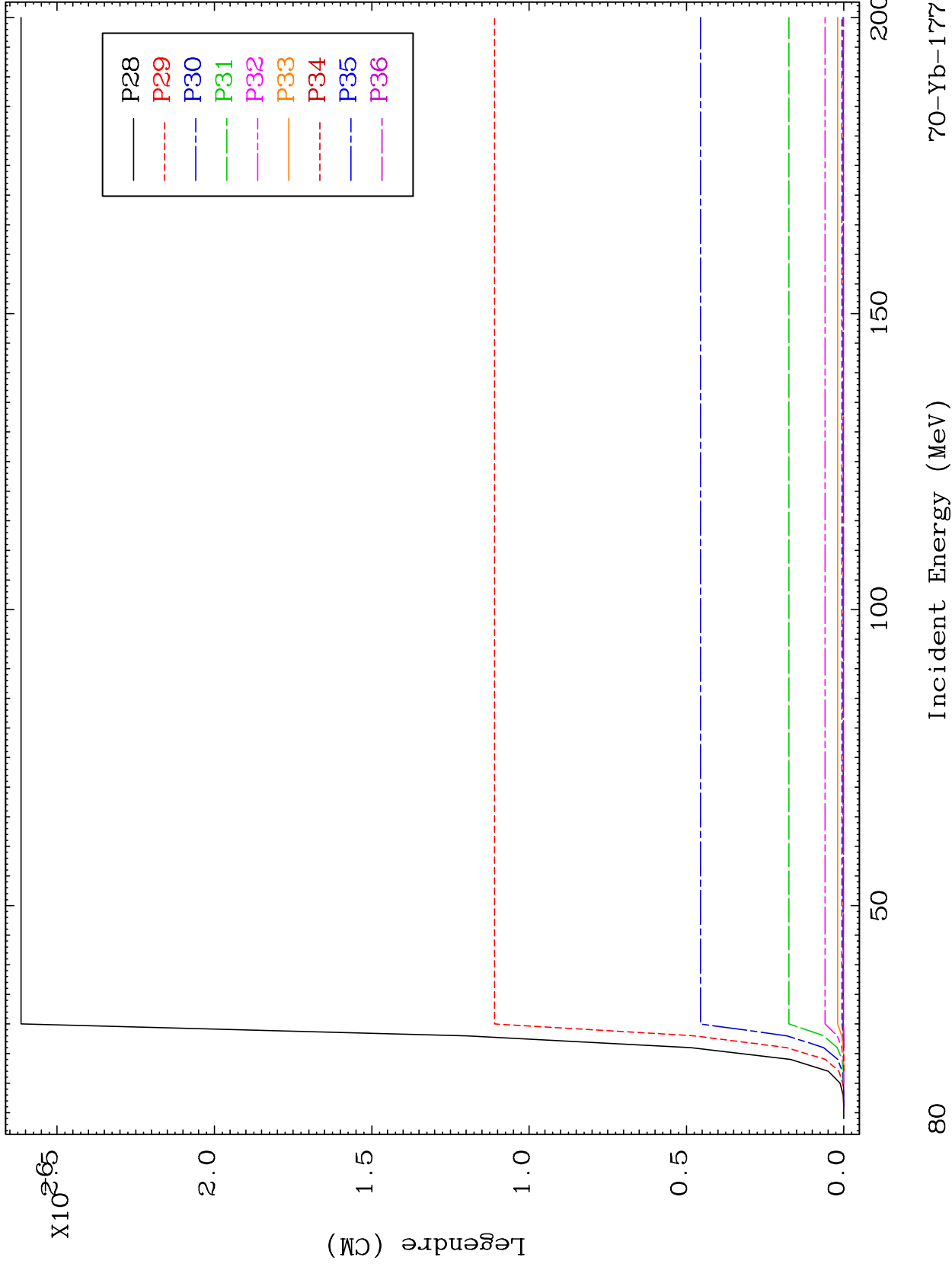
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



80

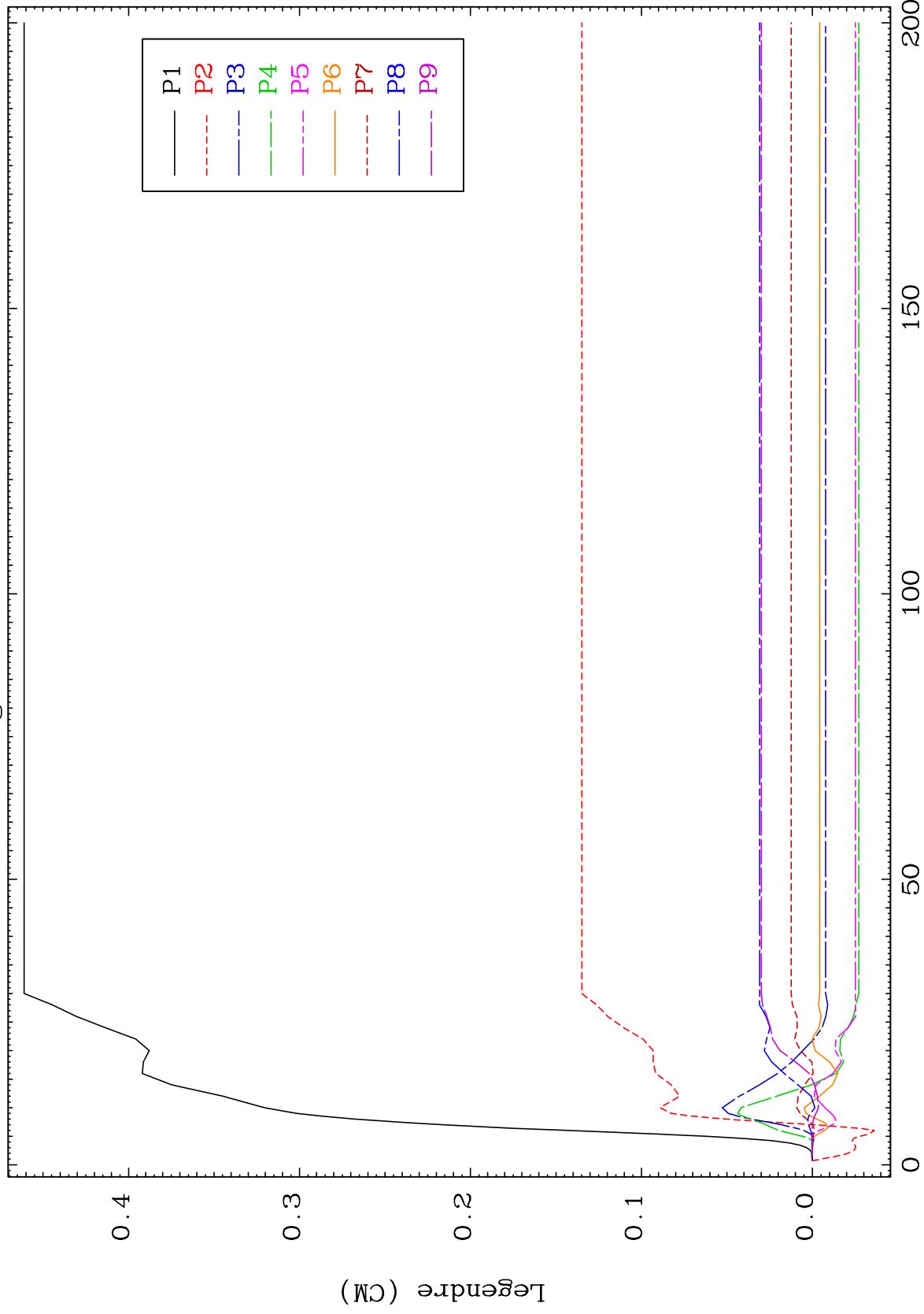
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



81

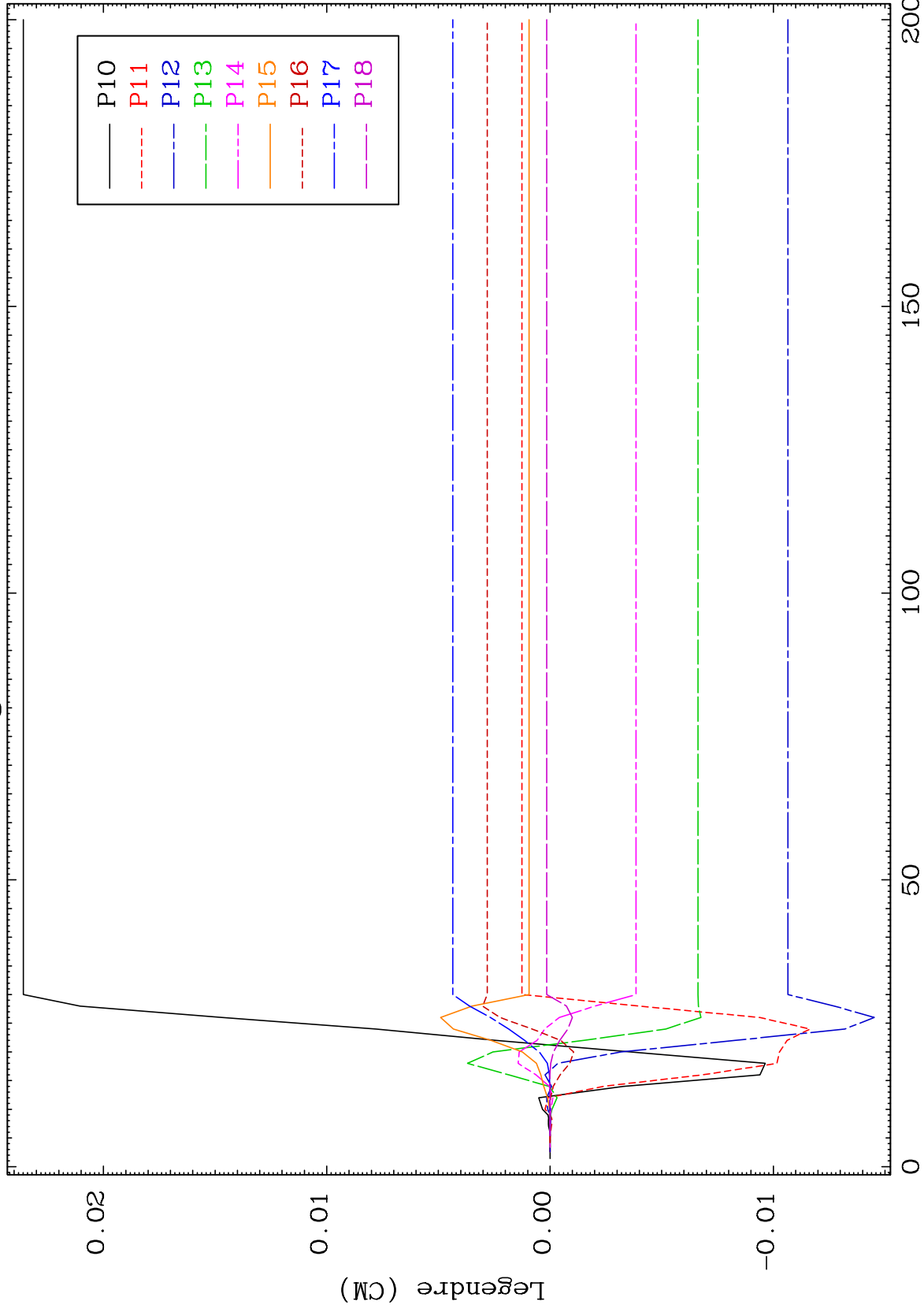
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



82

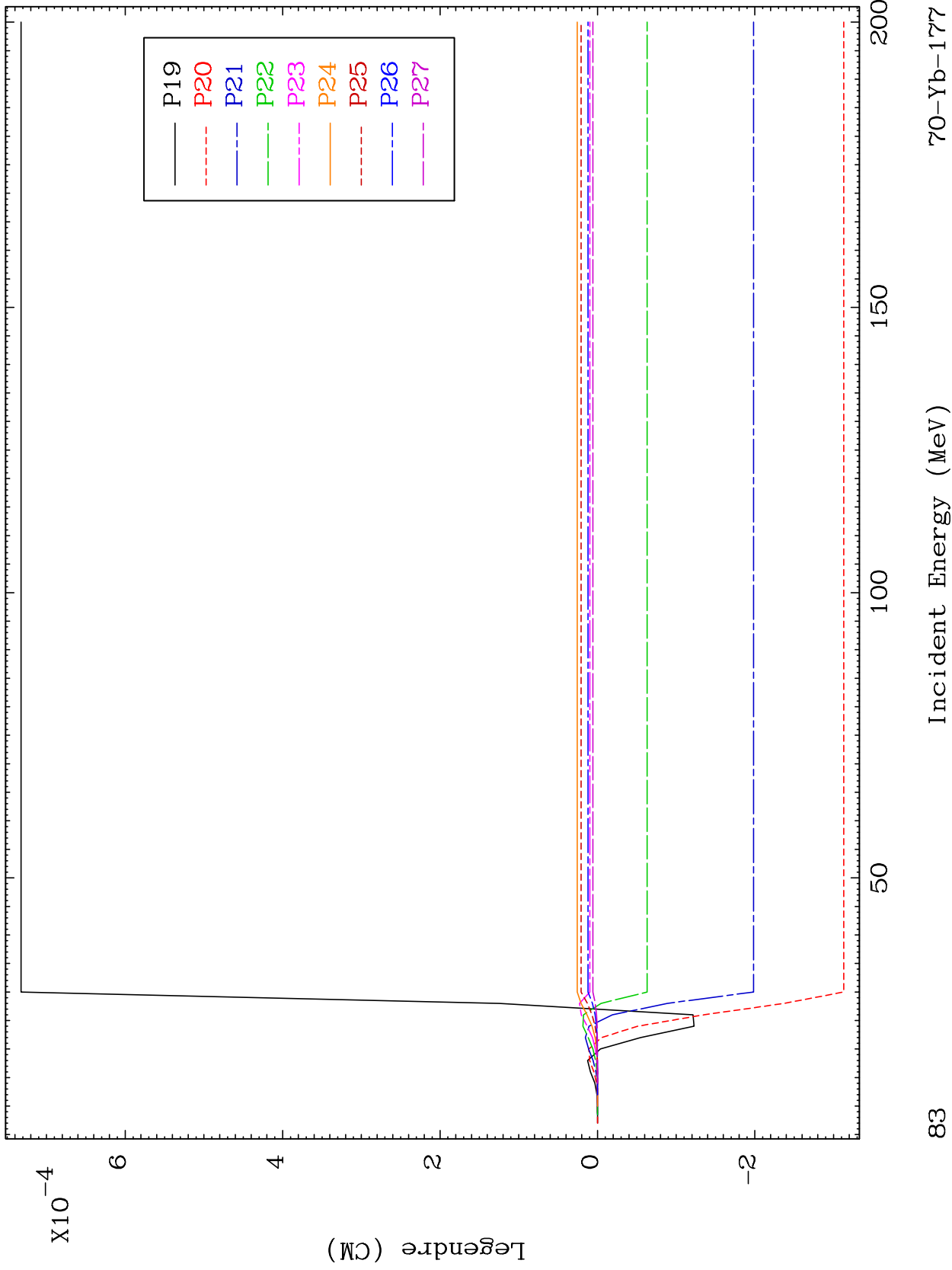
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

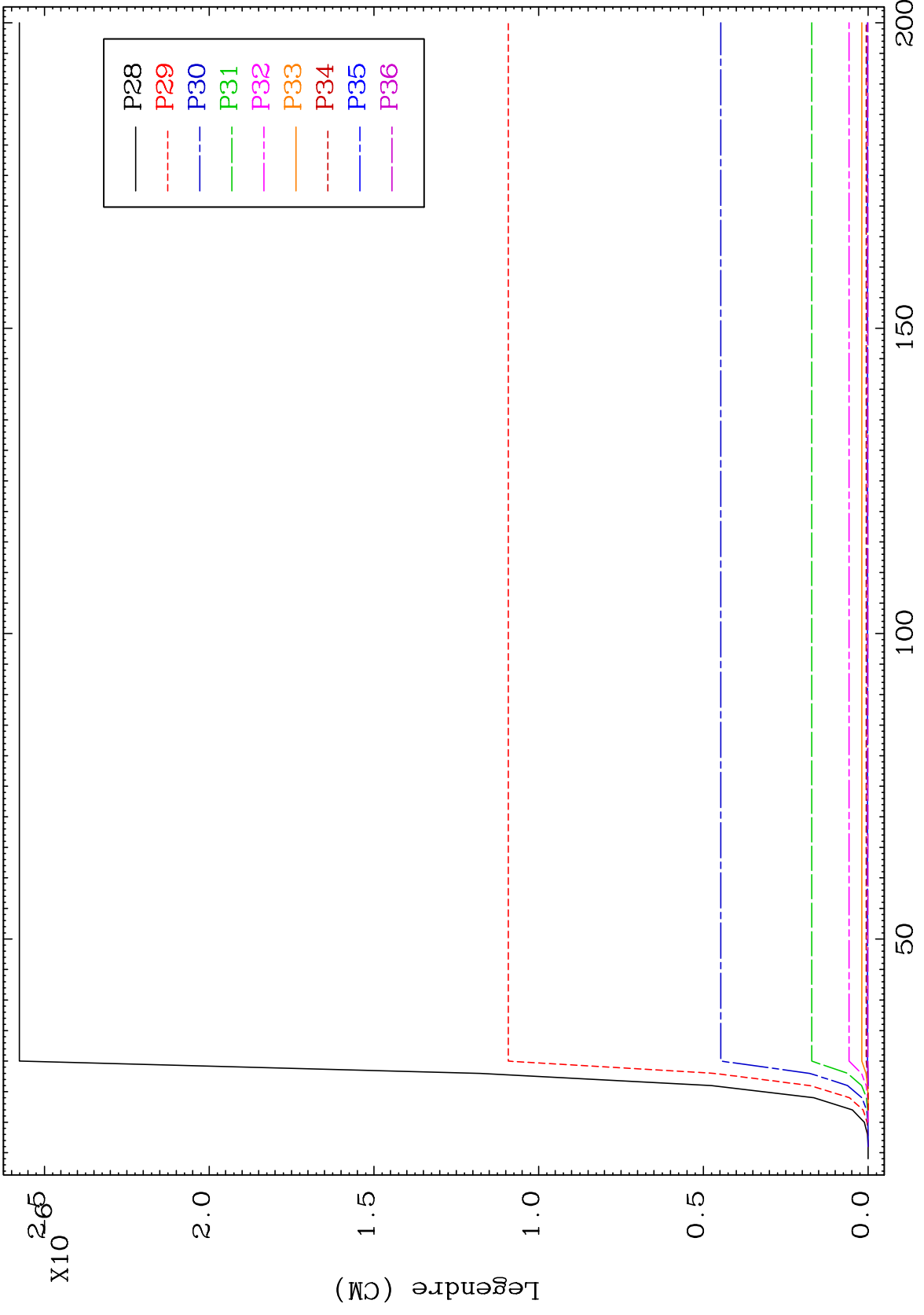
70-Yb-177



MAT 7052

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

70-Yb-177



84

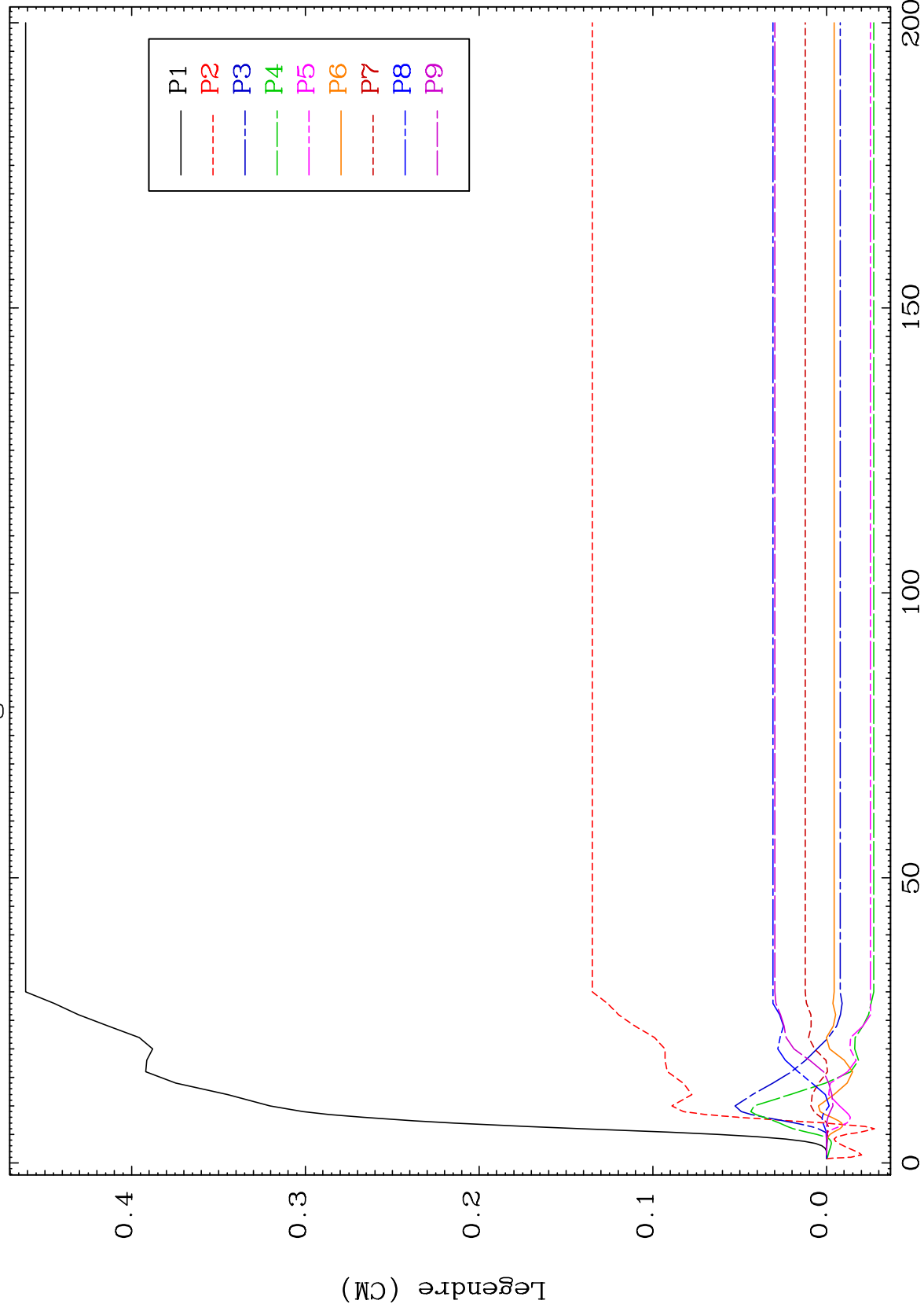
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



85

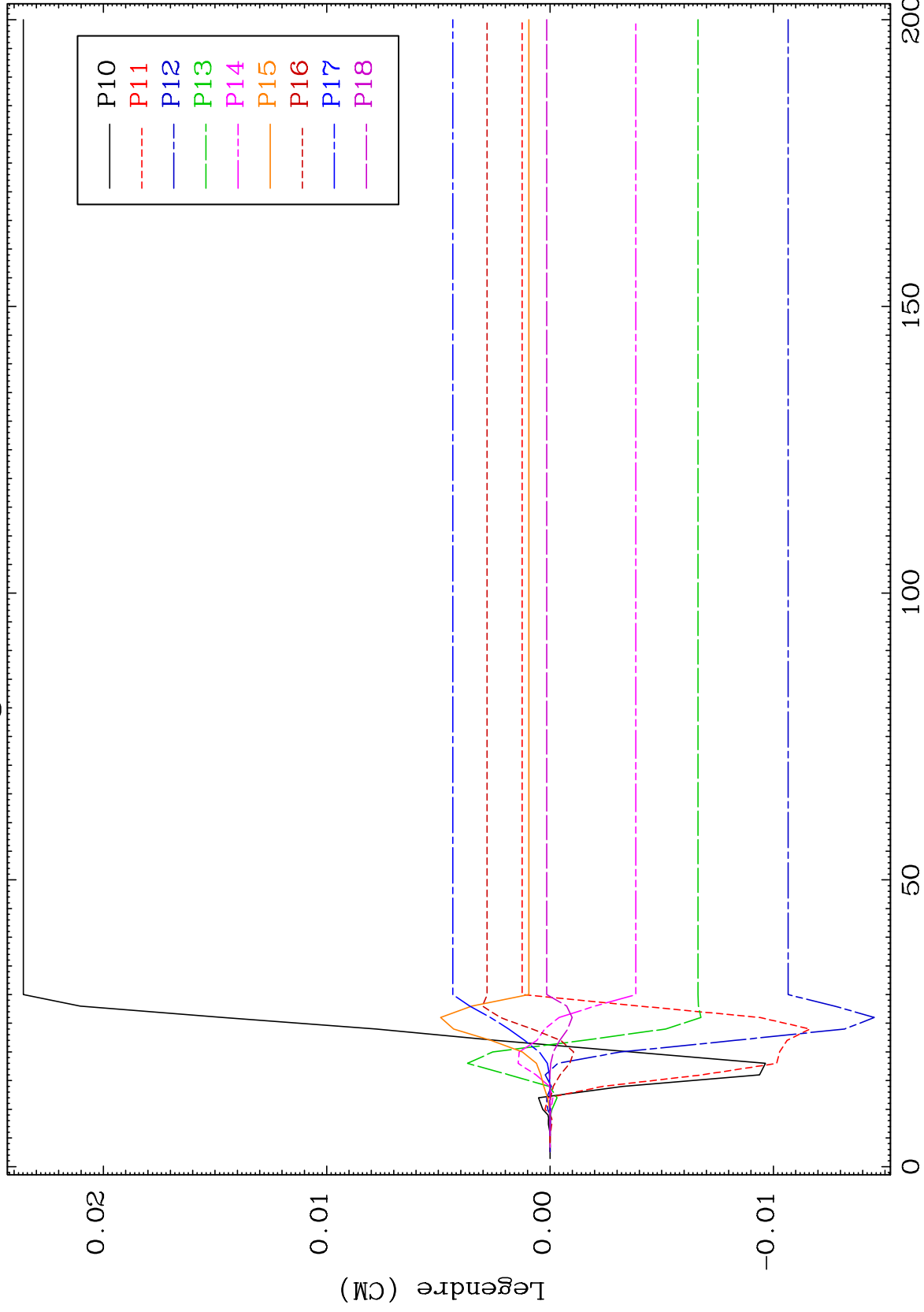
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



86

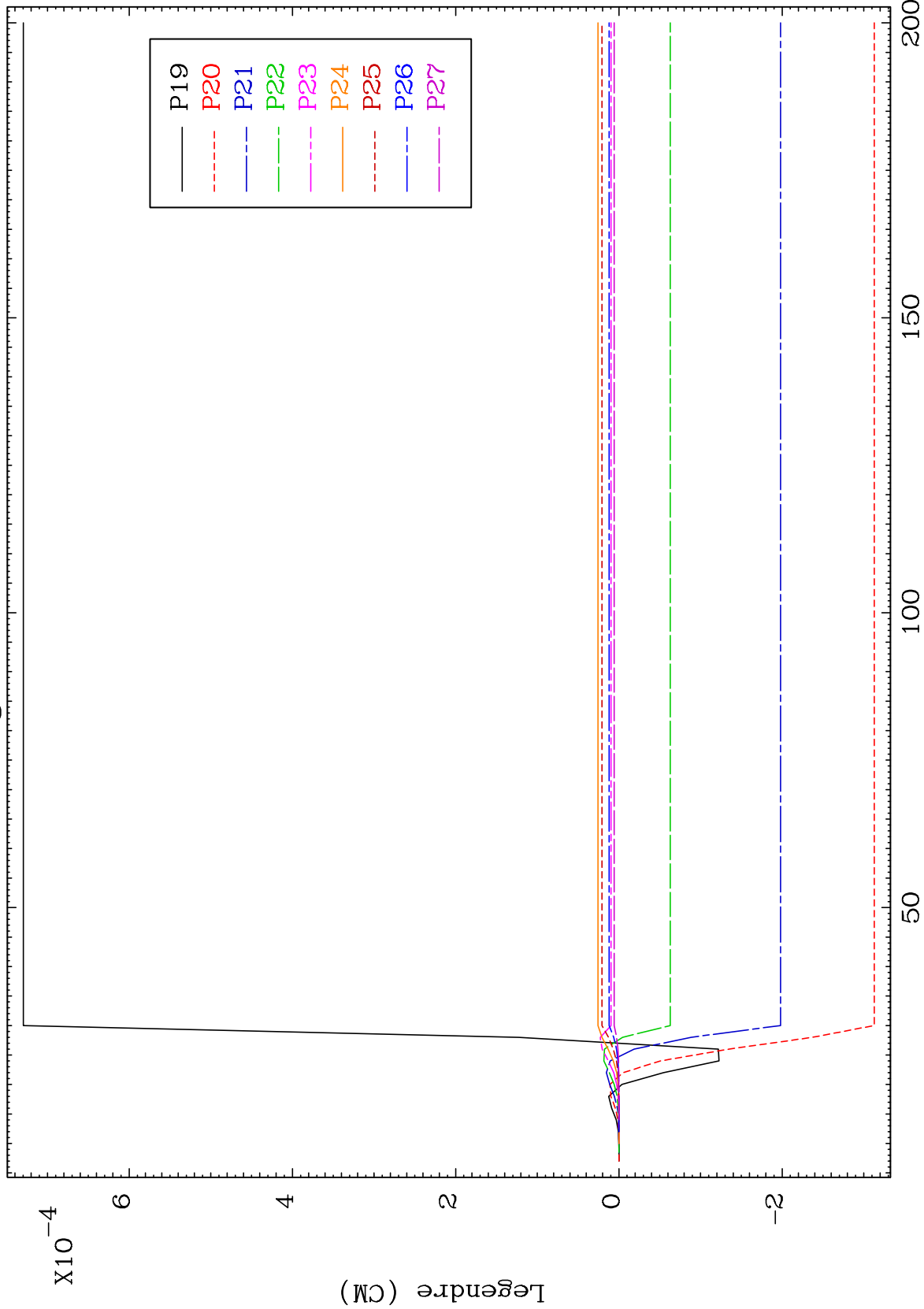
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



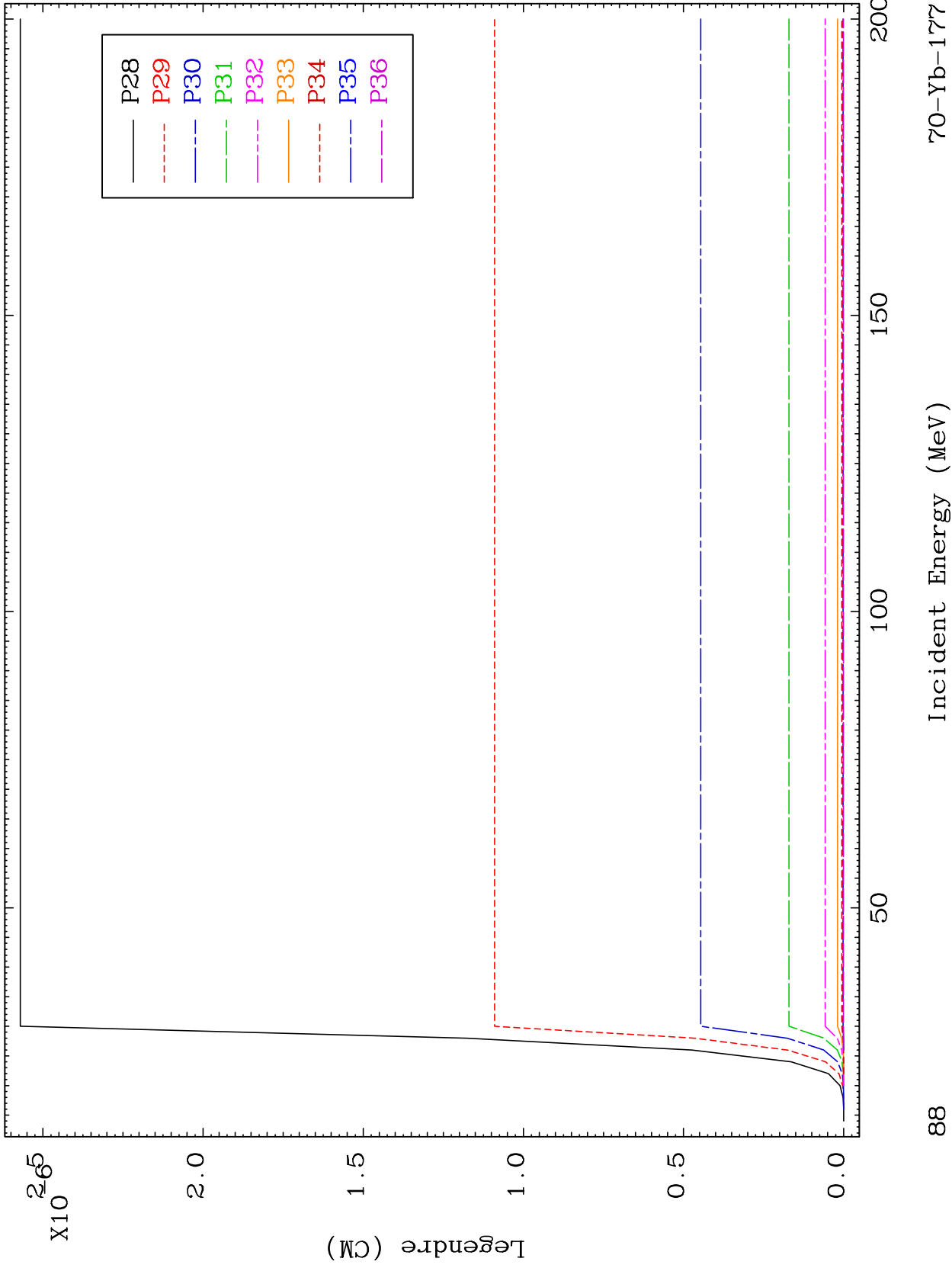
87

70-Yb-177

MAT 7052

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

70-Yb-177



88

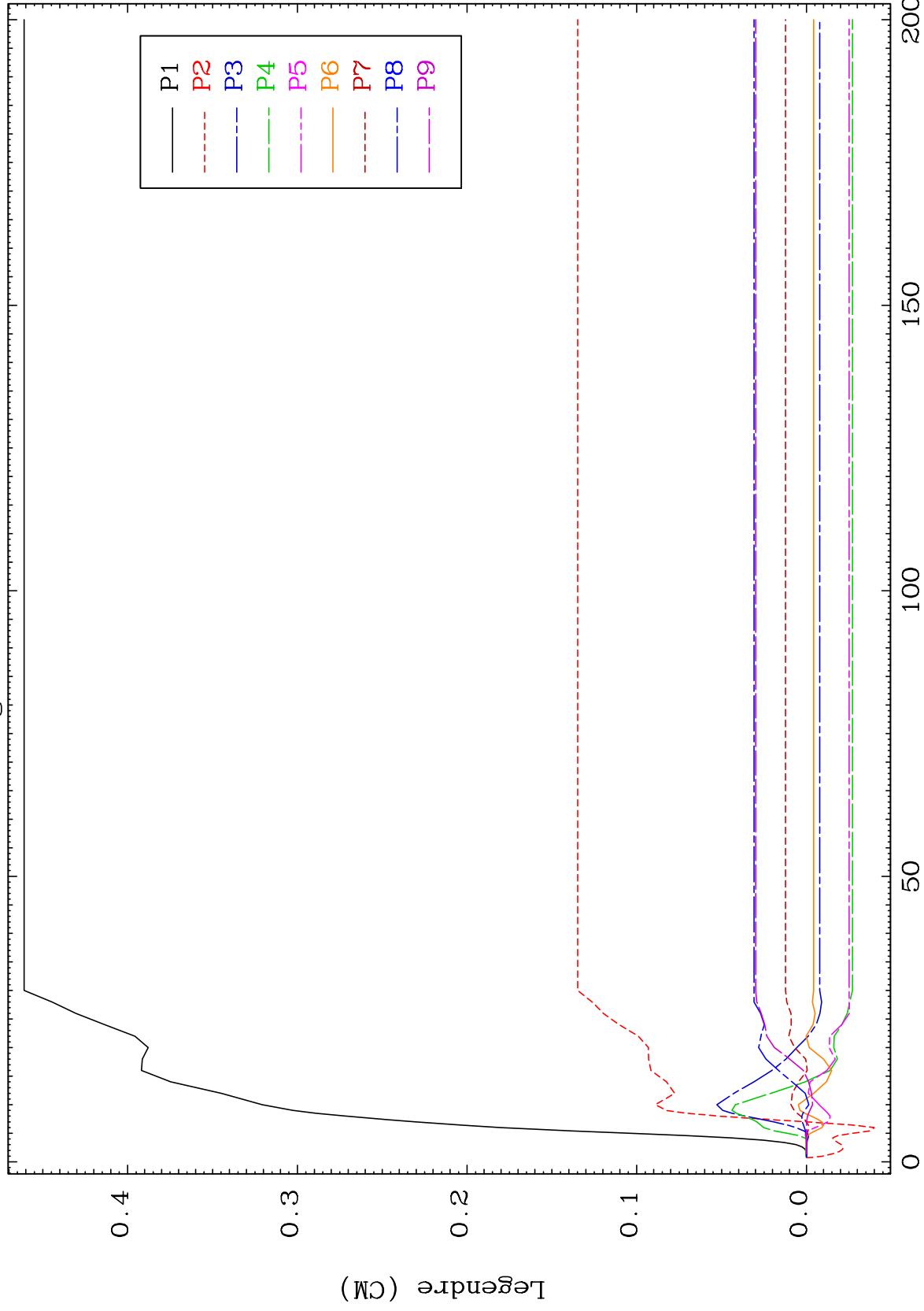
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



89

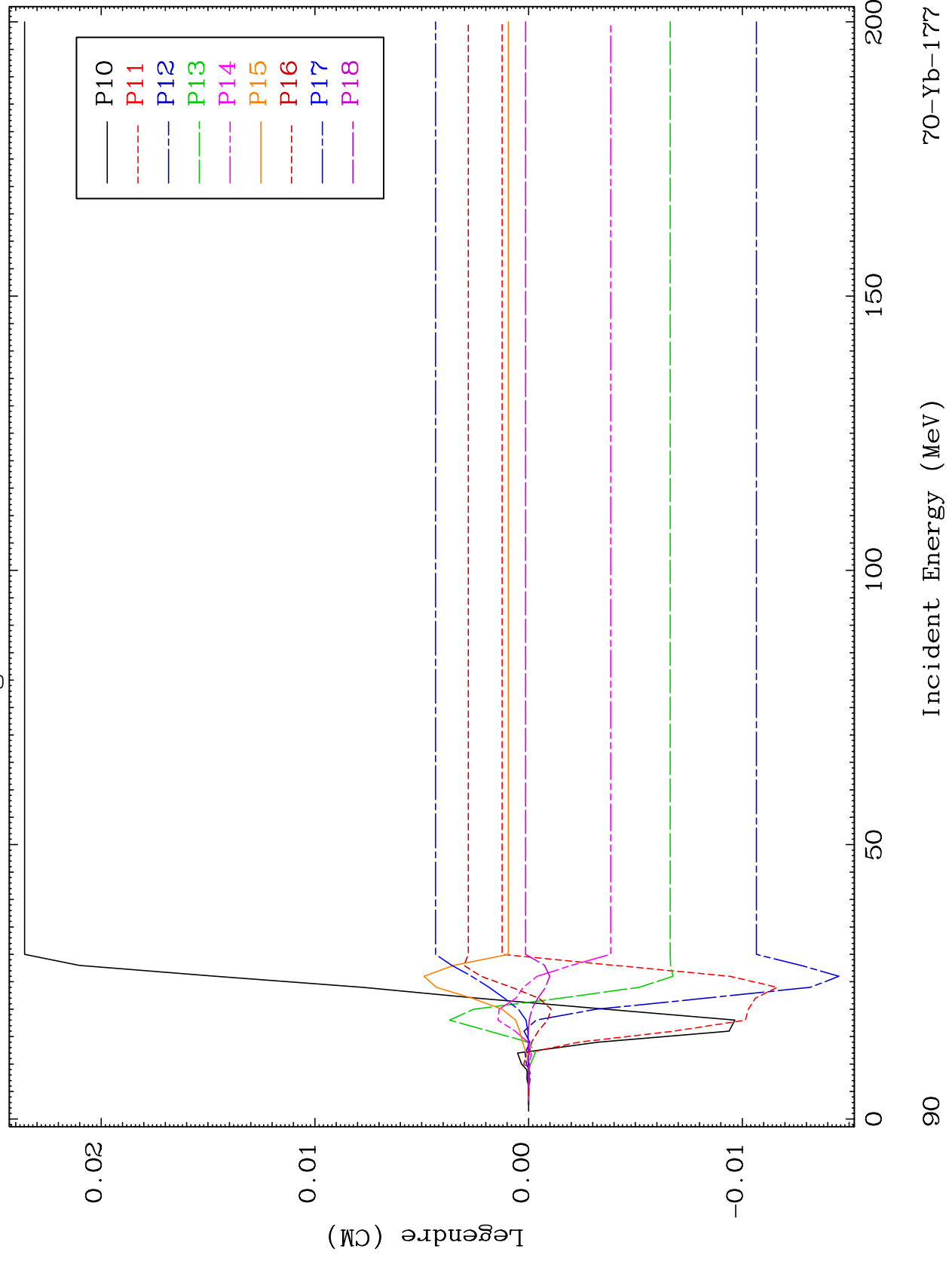
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

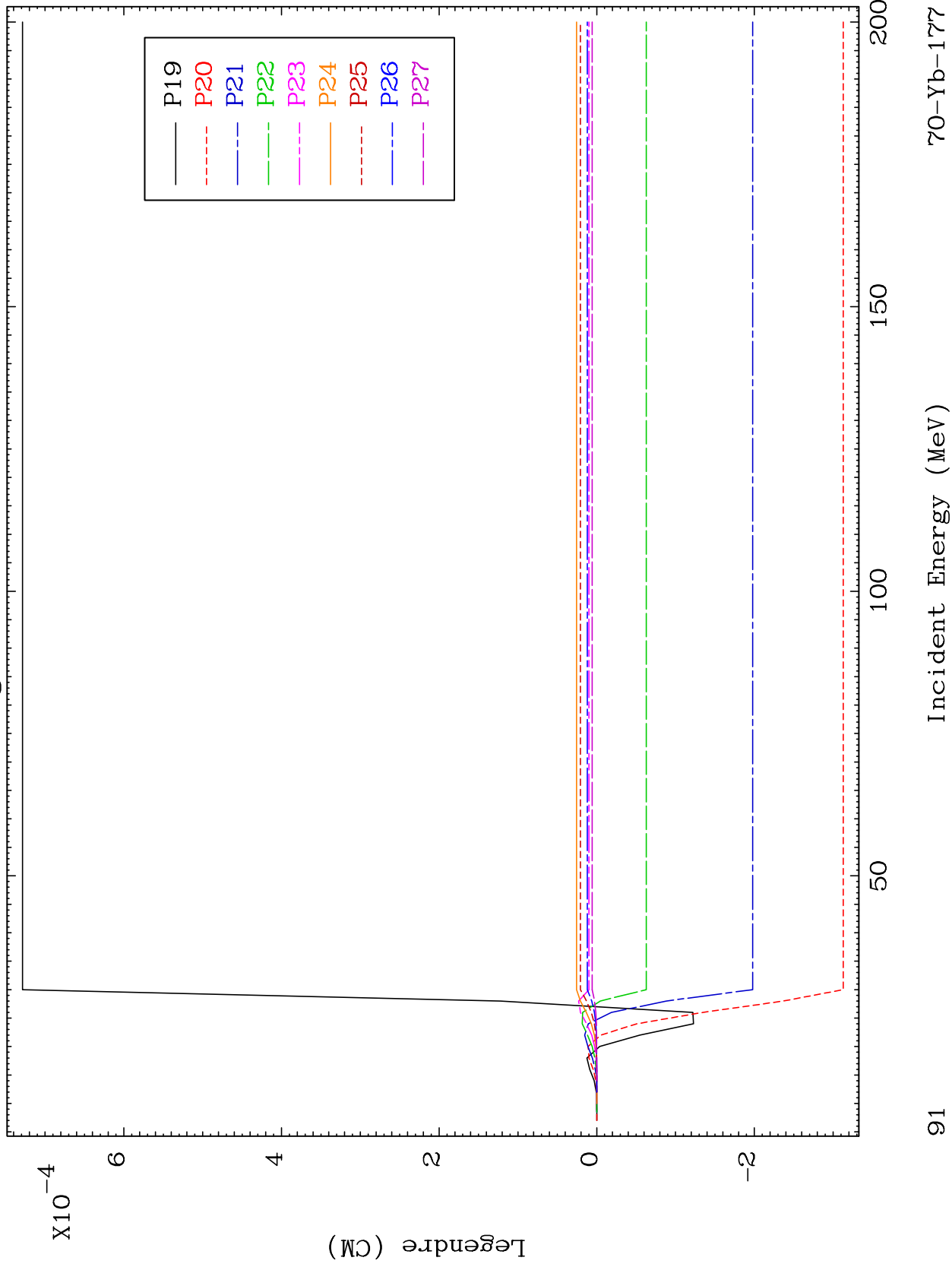
Incident Energy (MeV)

90

MAT 7052

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

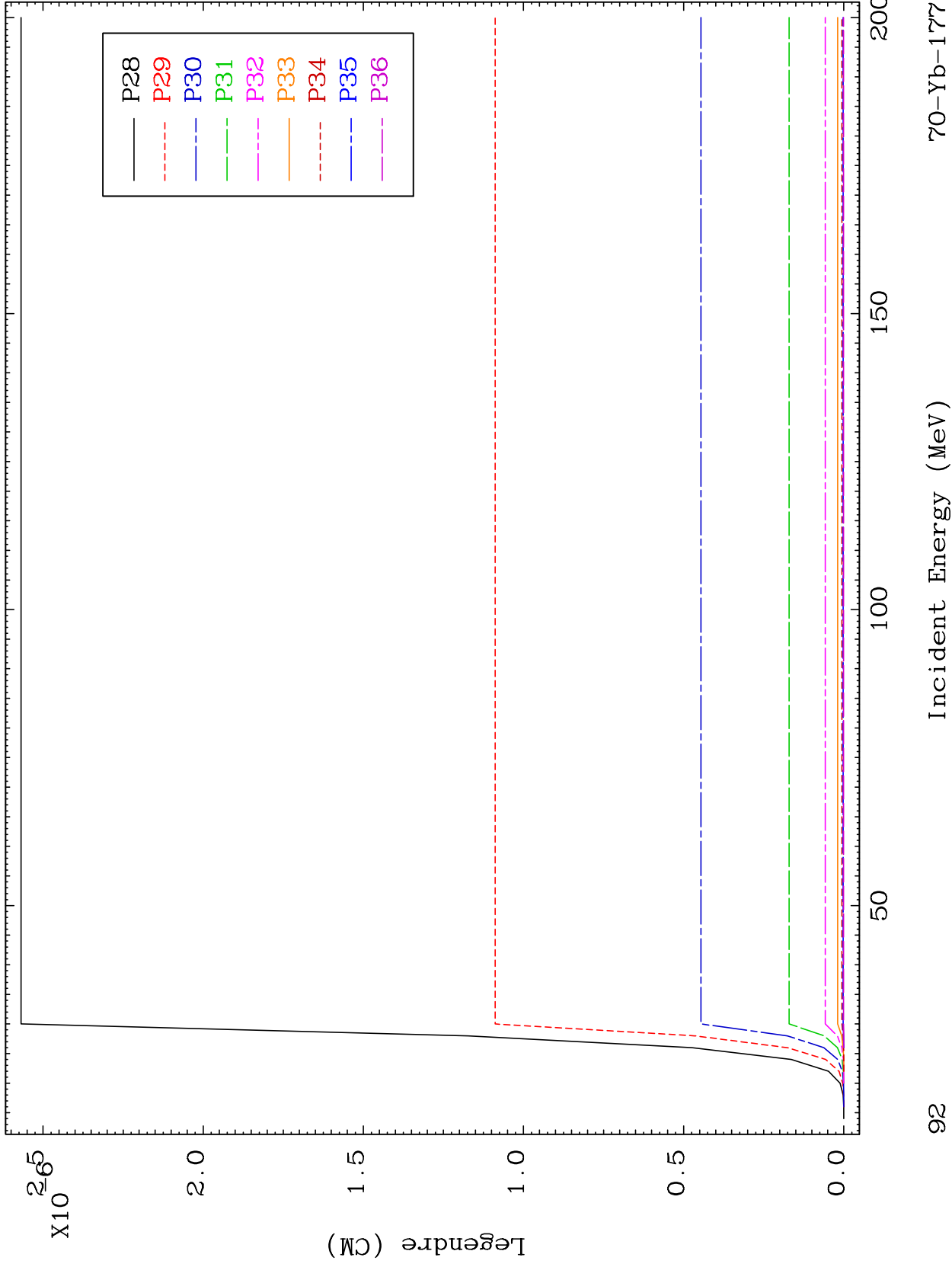
70-Yb-177



MAT 7052

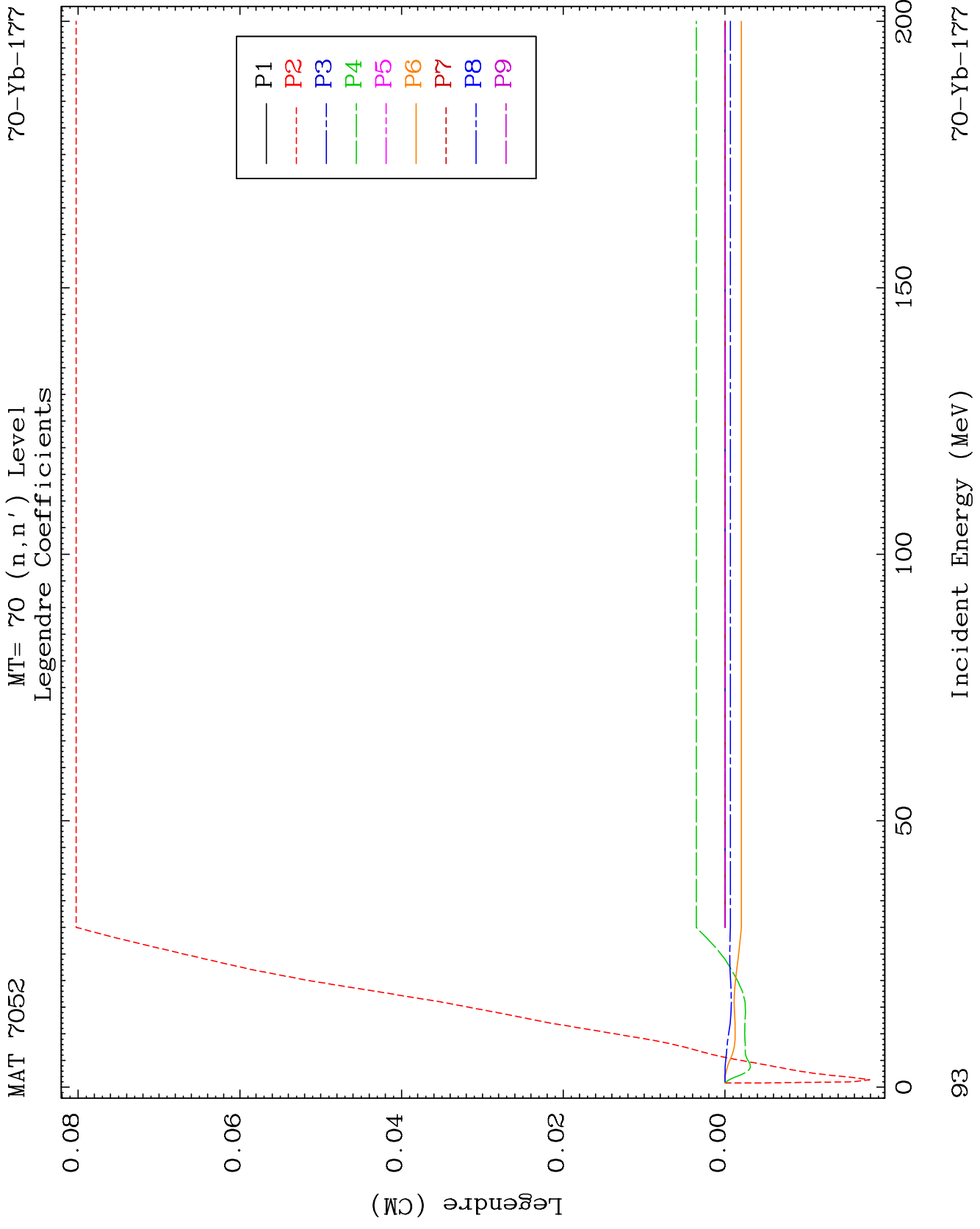
MT= 69 (n,n') Level
Legendre Coefficients

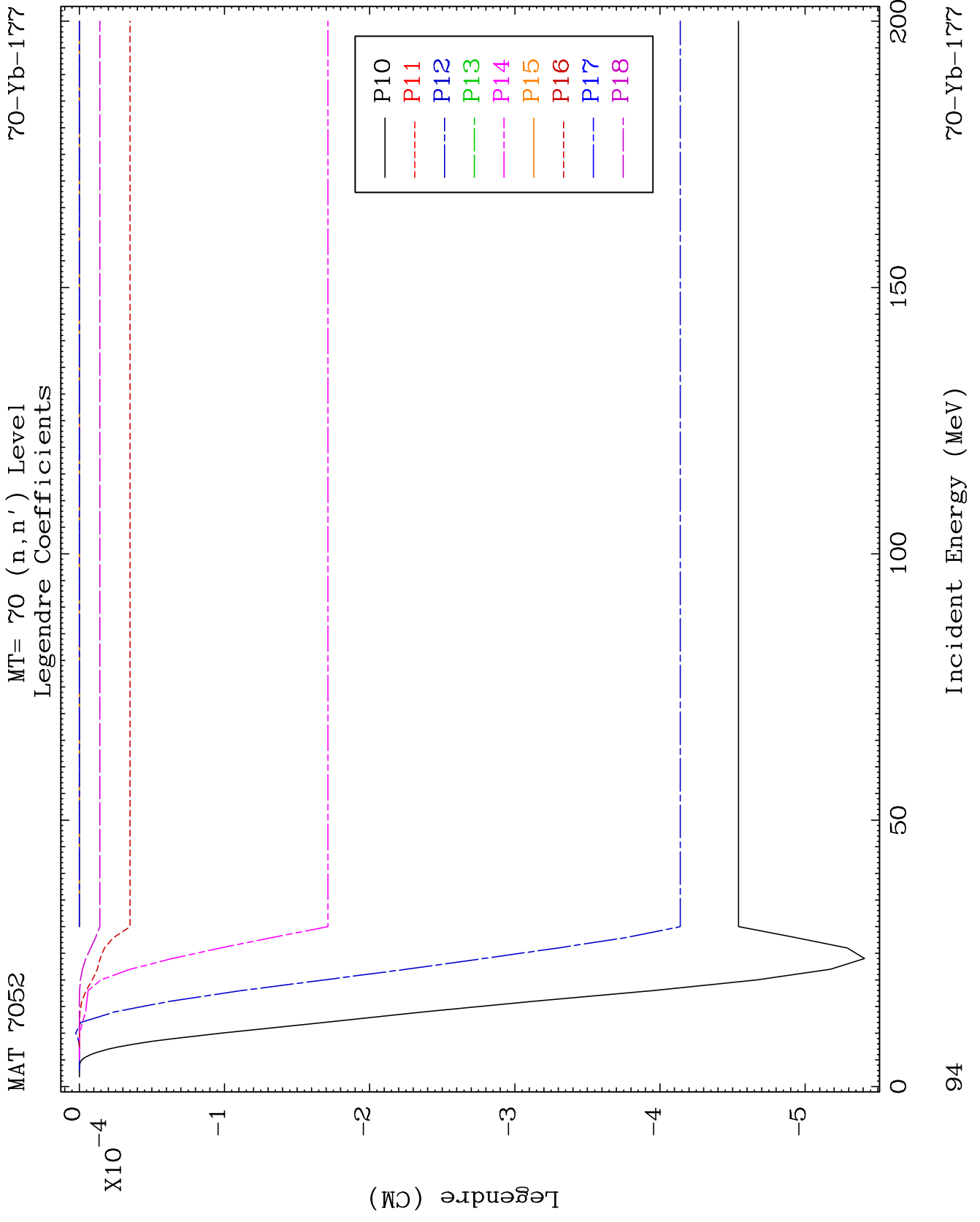
70-Yb-177

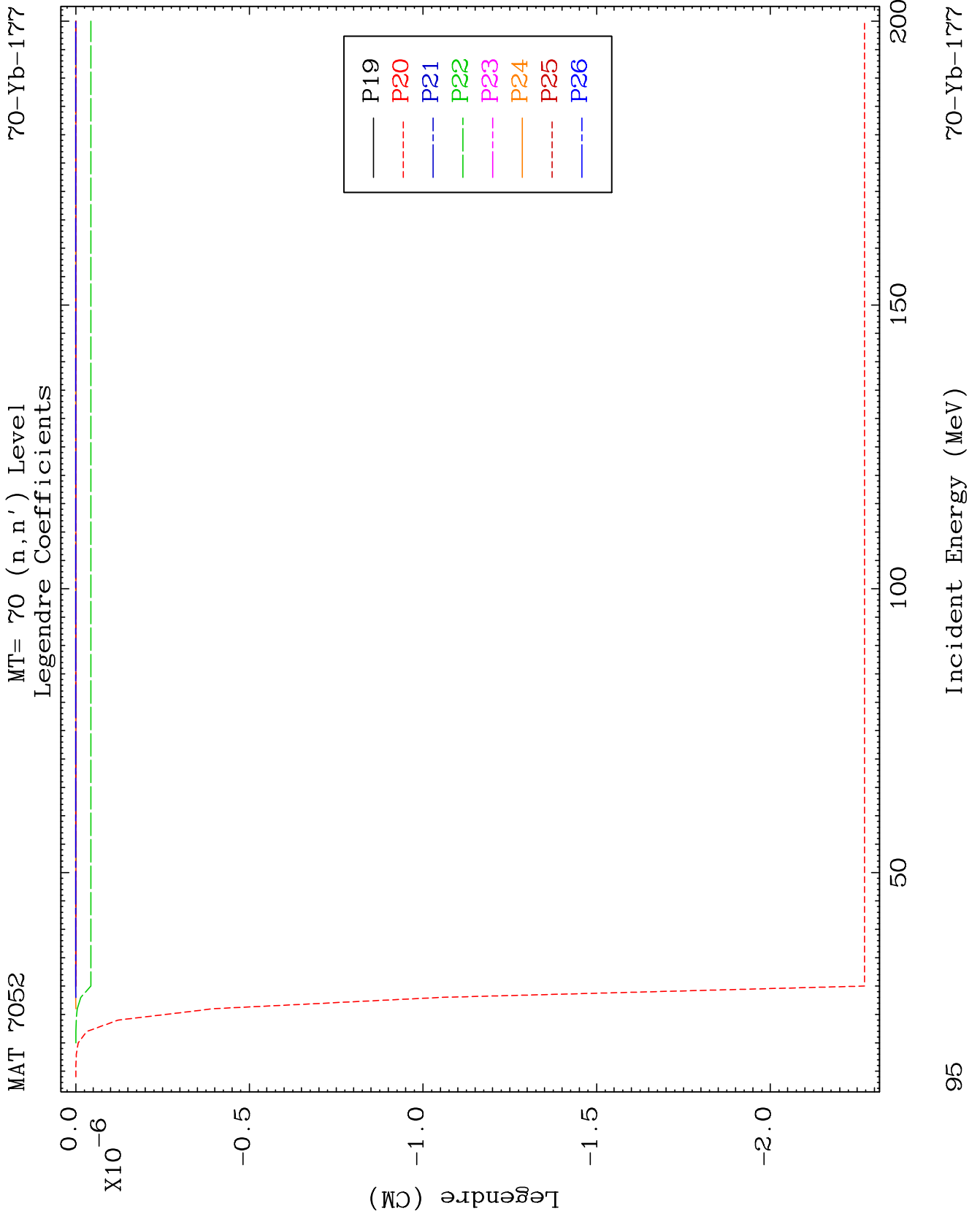


92

70-Yb-177



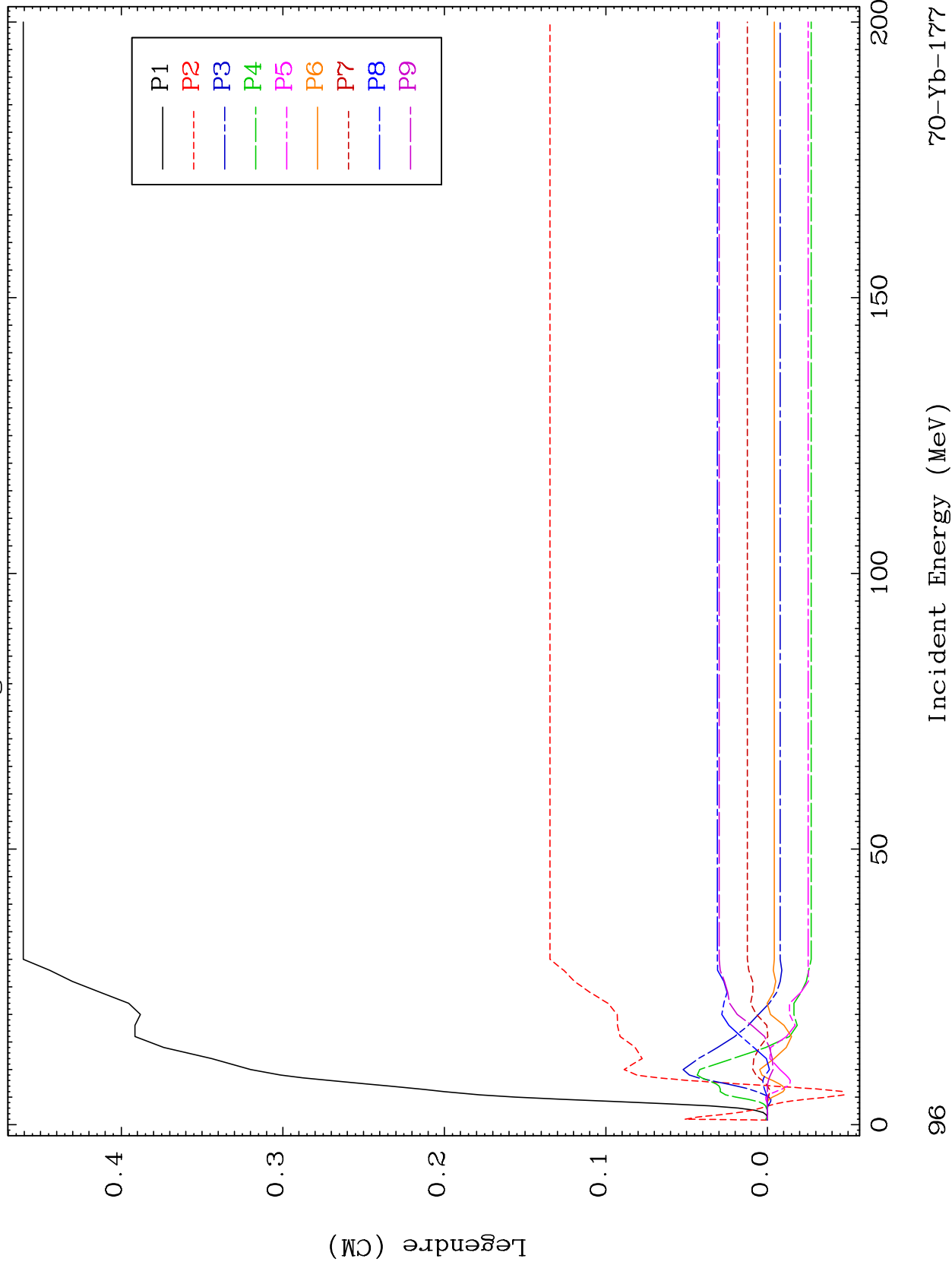




MAT 7052

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

70-Yb-177



96

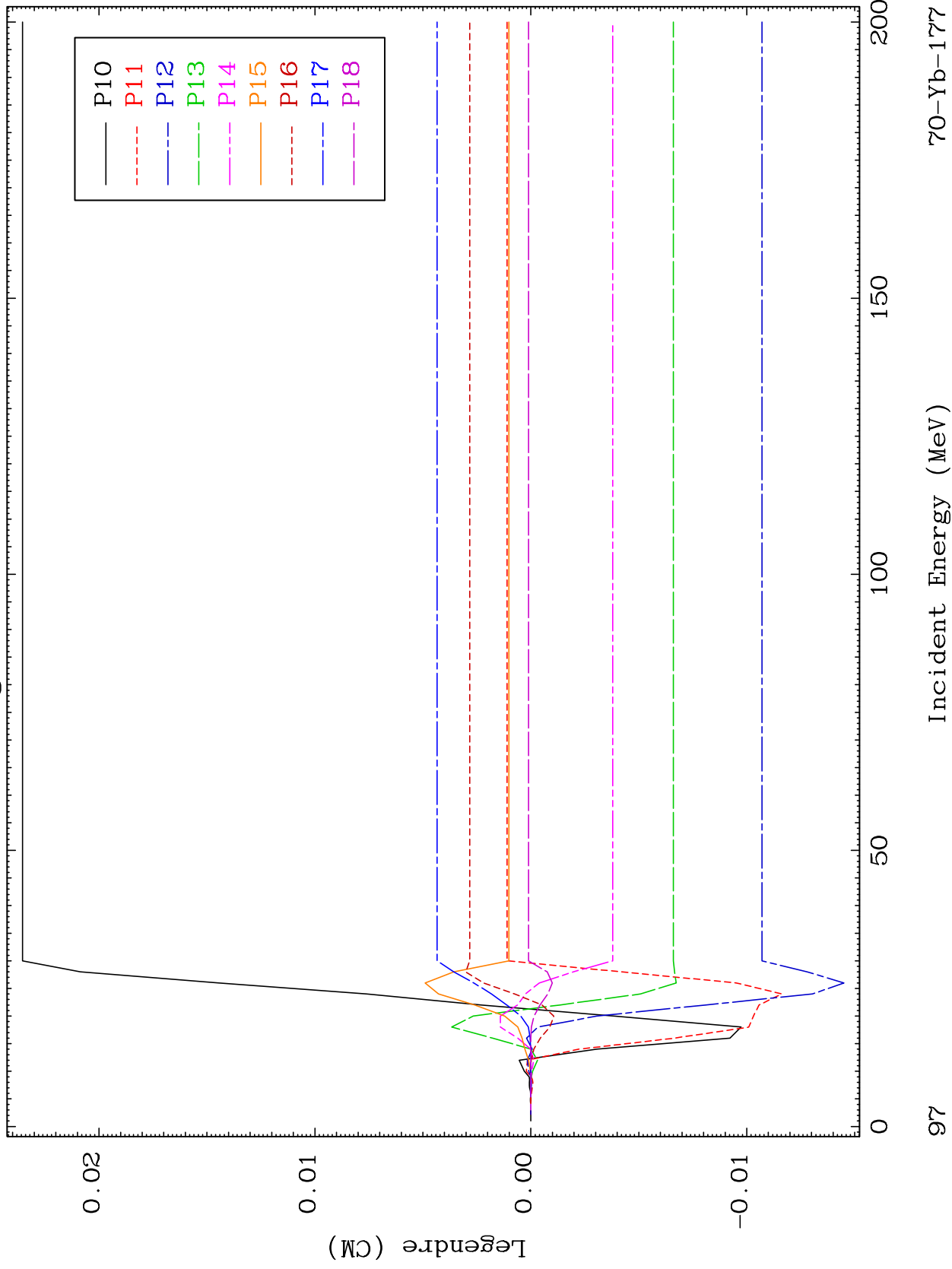
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



97

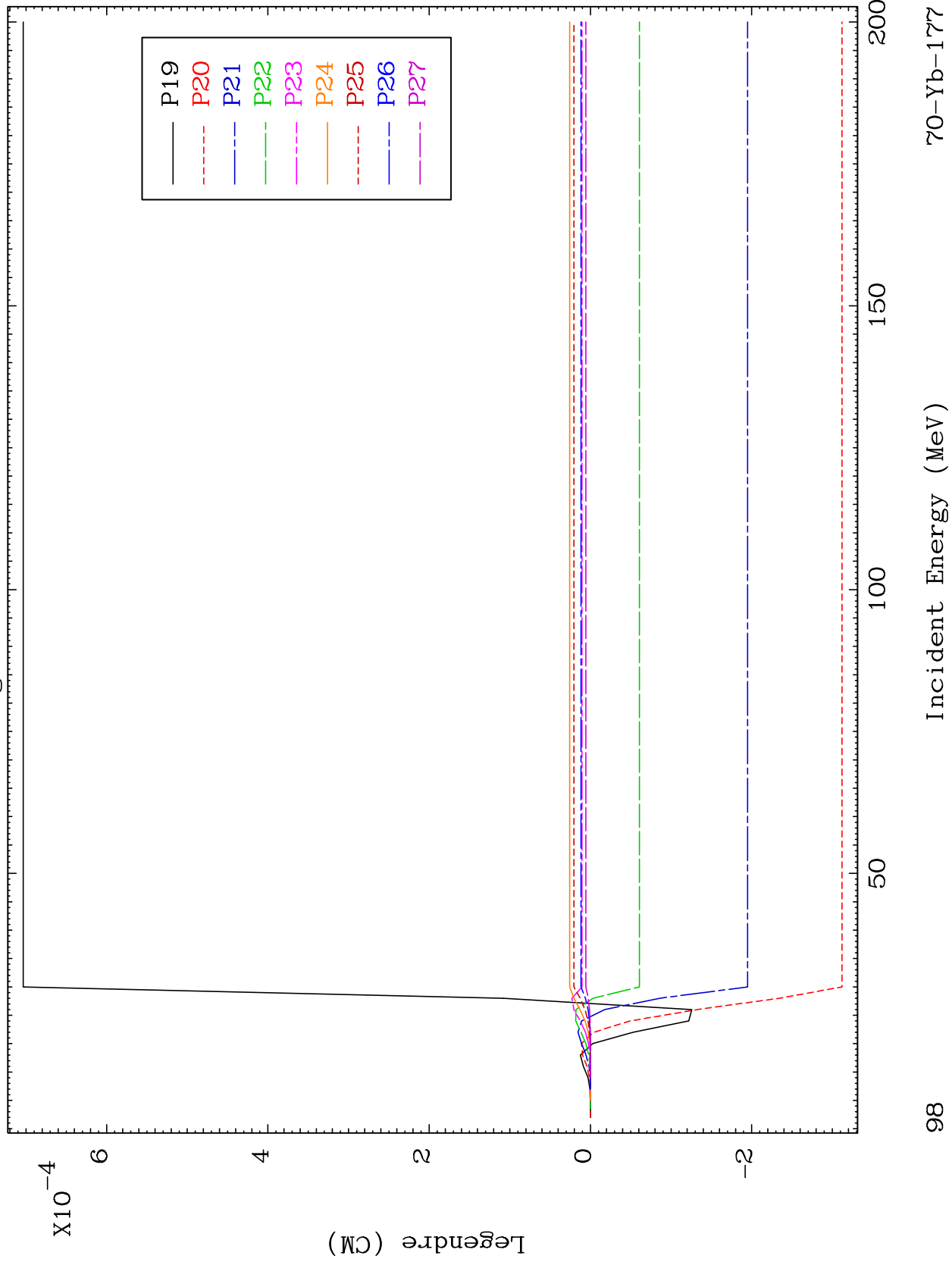
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

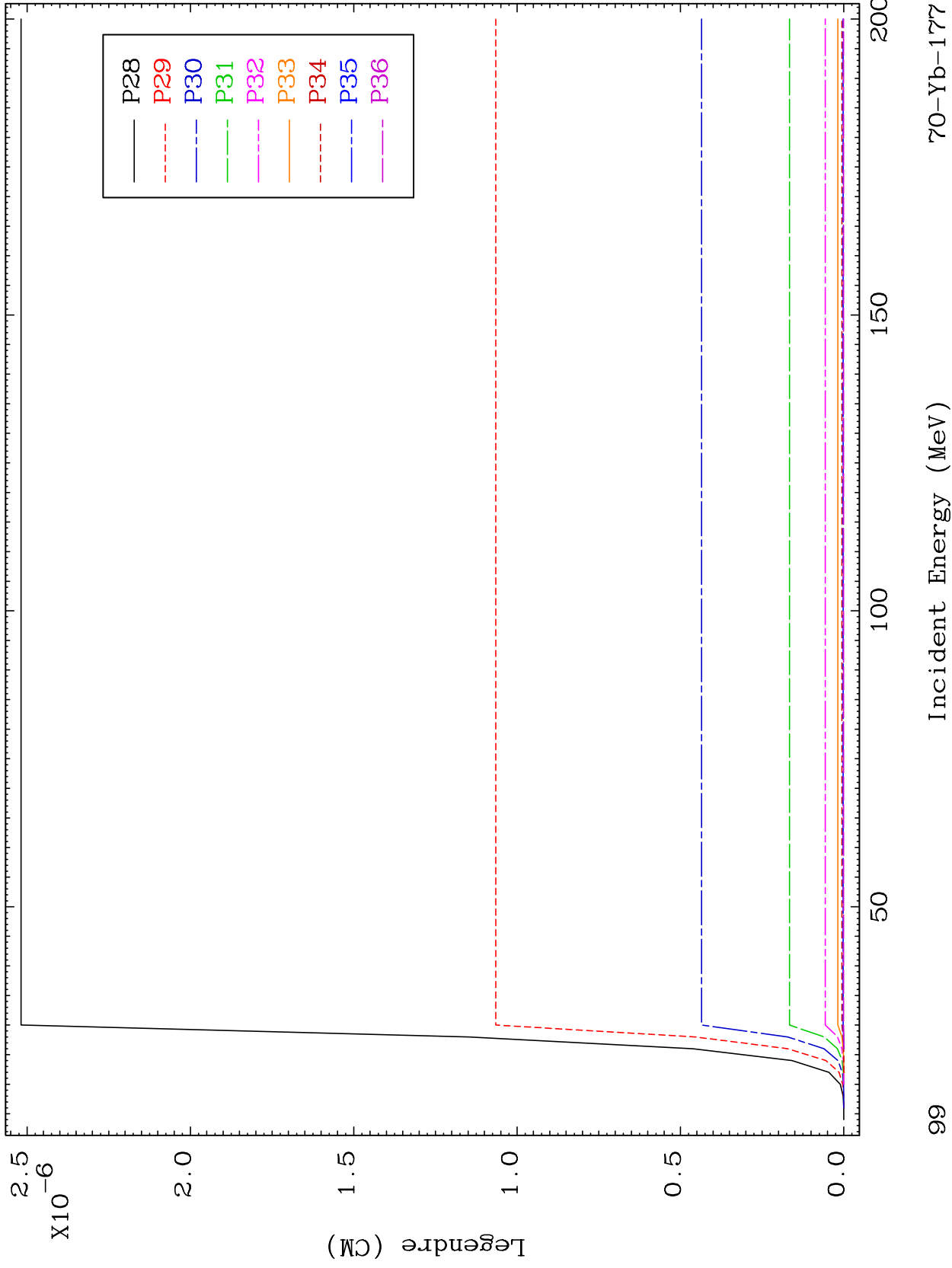
70-Yb-177



MAT 7052

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

70-Yb-177

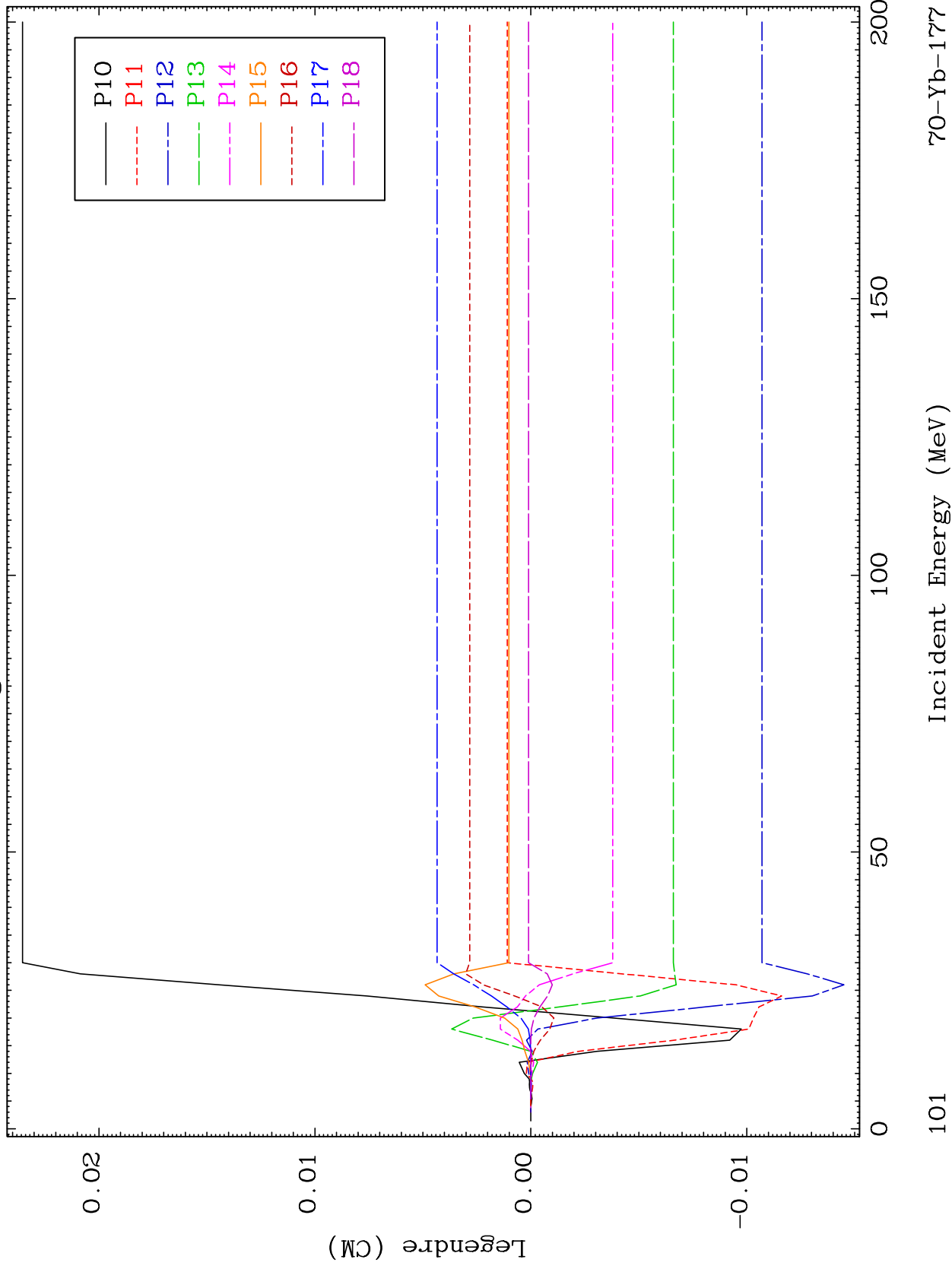


99

MAT 7052

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

70-Yb-177



70-Yb-177

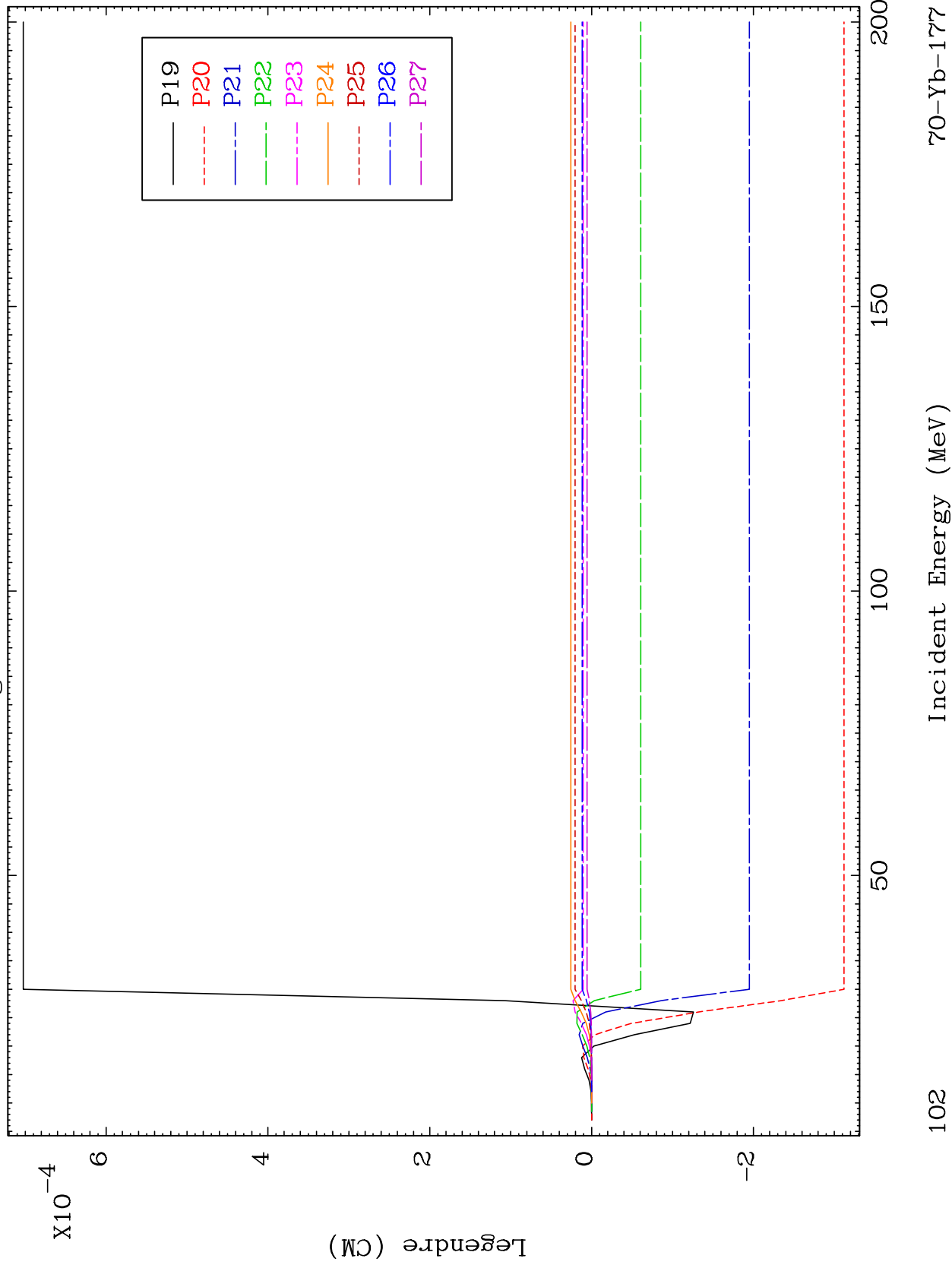
Incident Energy (MeV)

101

MAT 7052

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

70-Yb-177

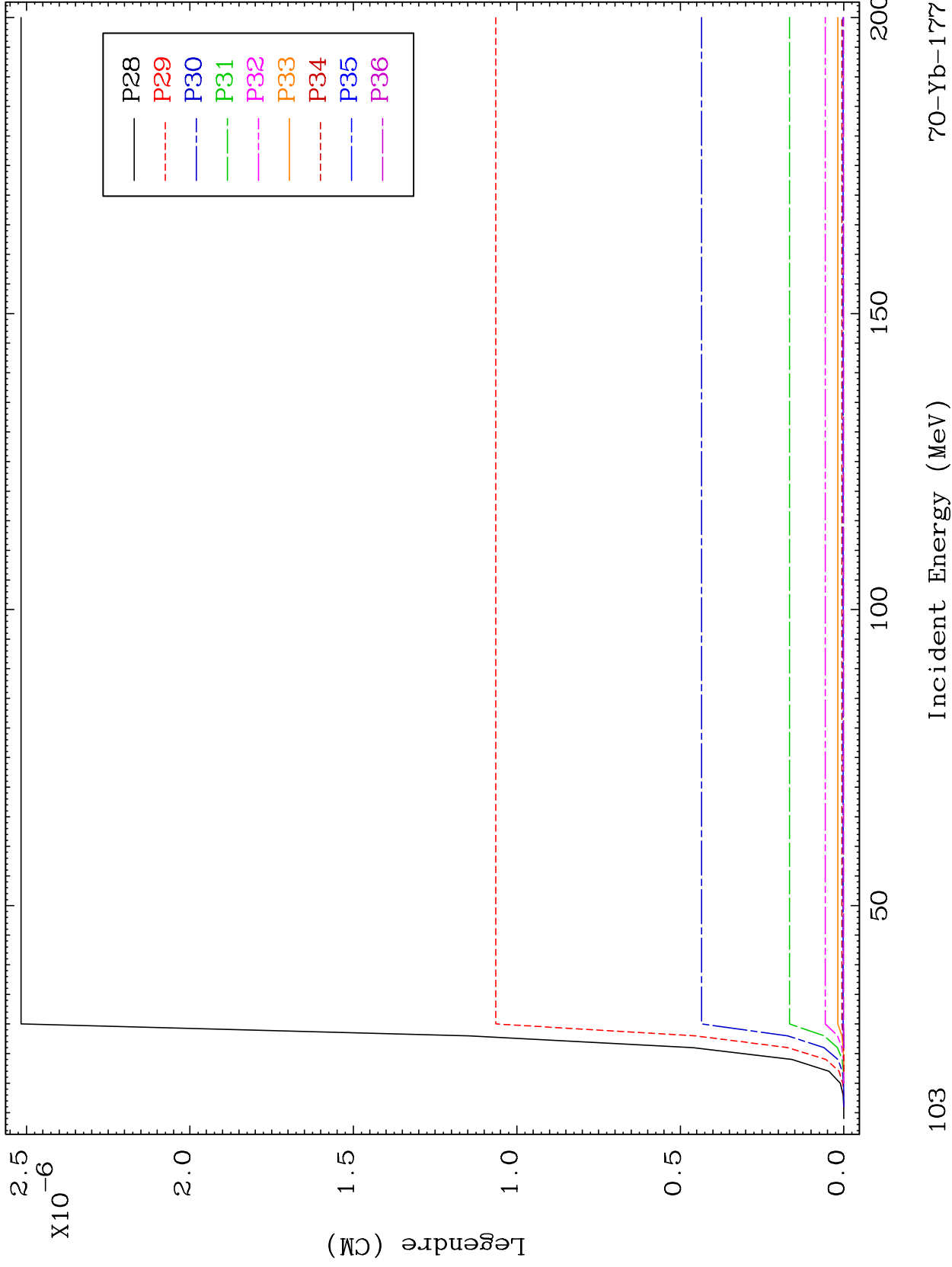


102

MAT 7052

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

70-Yb-177



103

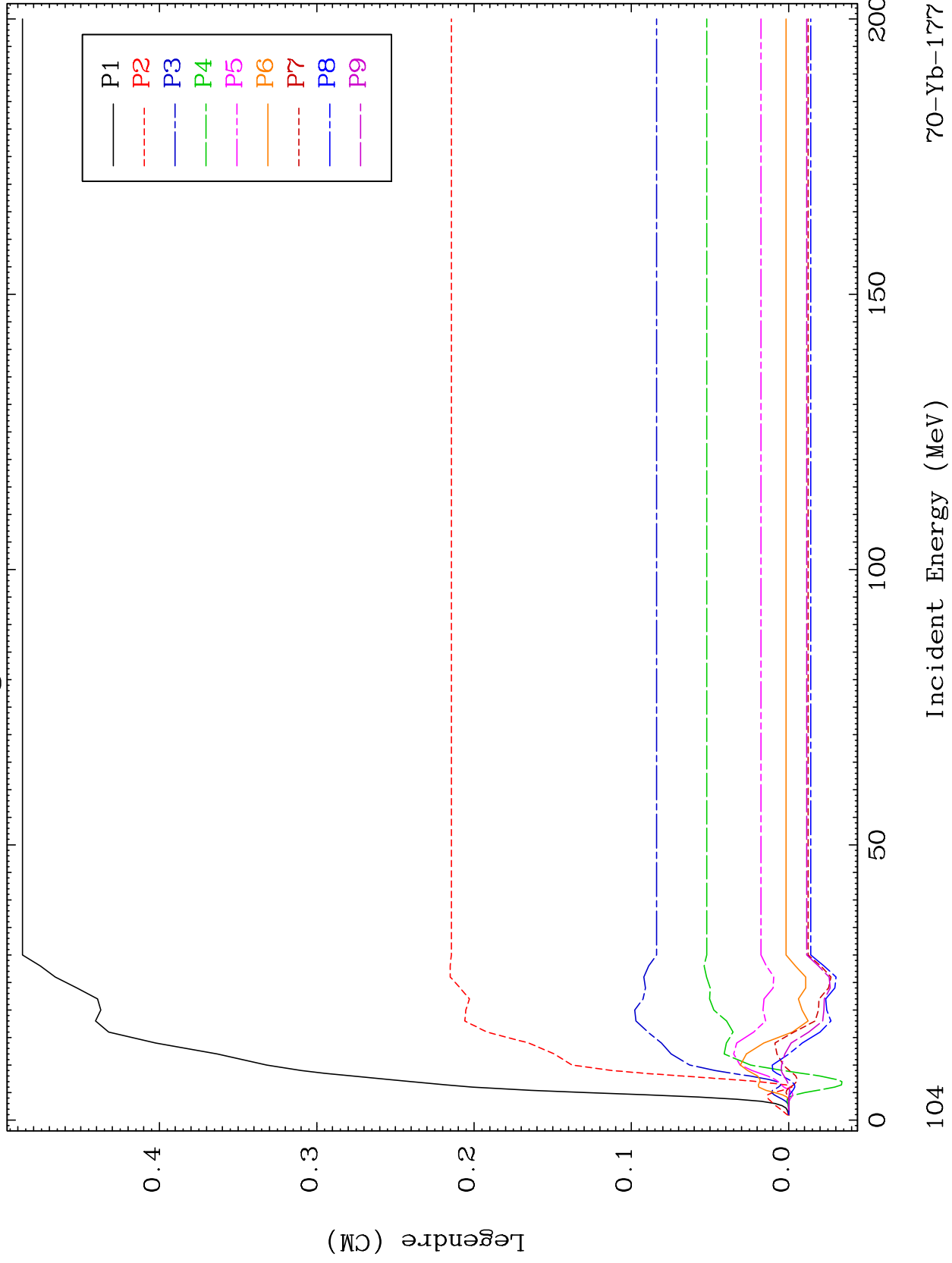
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177



70-Yb-177

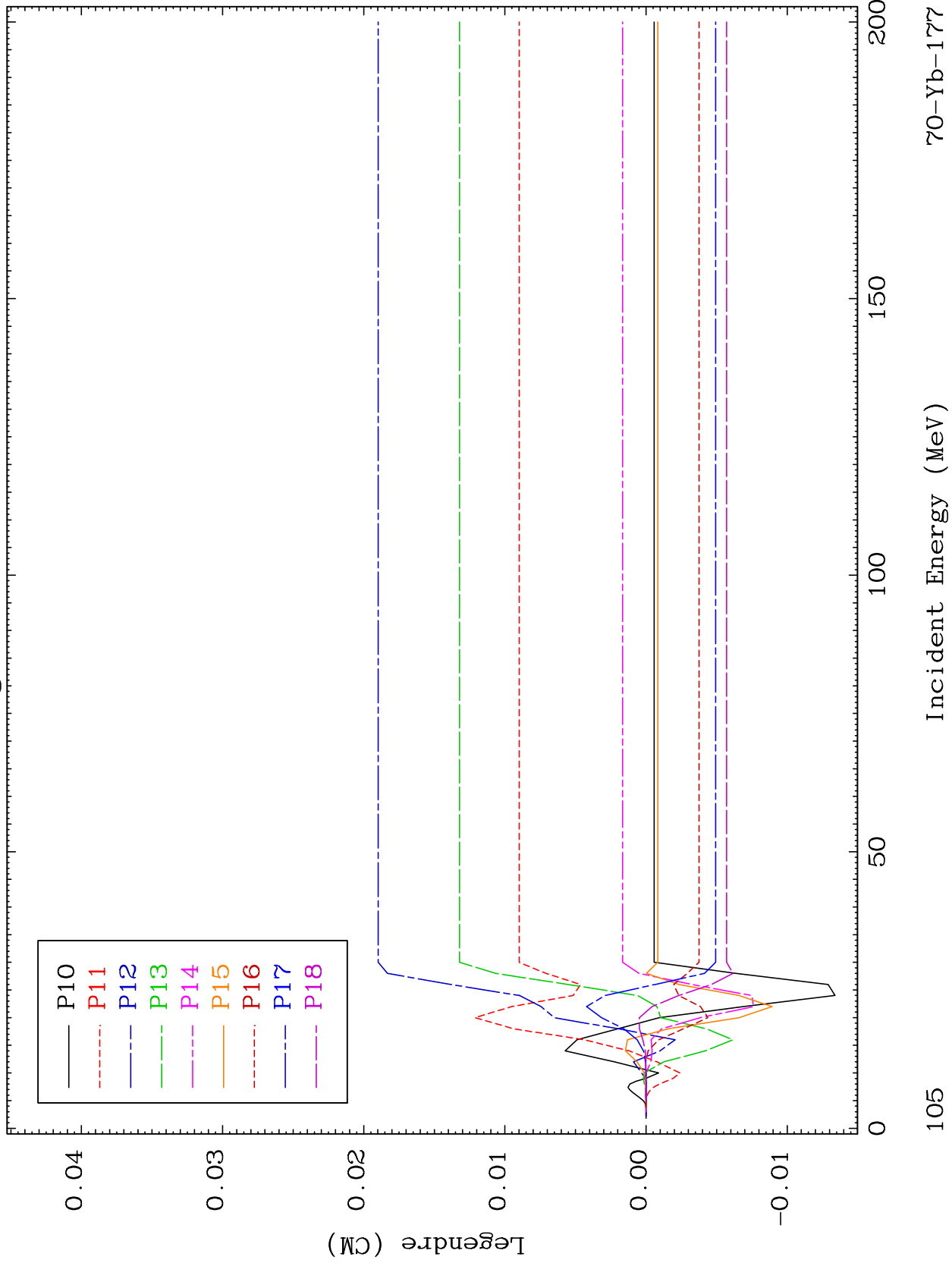
Incident Energy (MeV)

104

MAT 7052

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

70-Yb-177



70-Yb-177

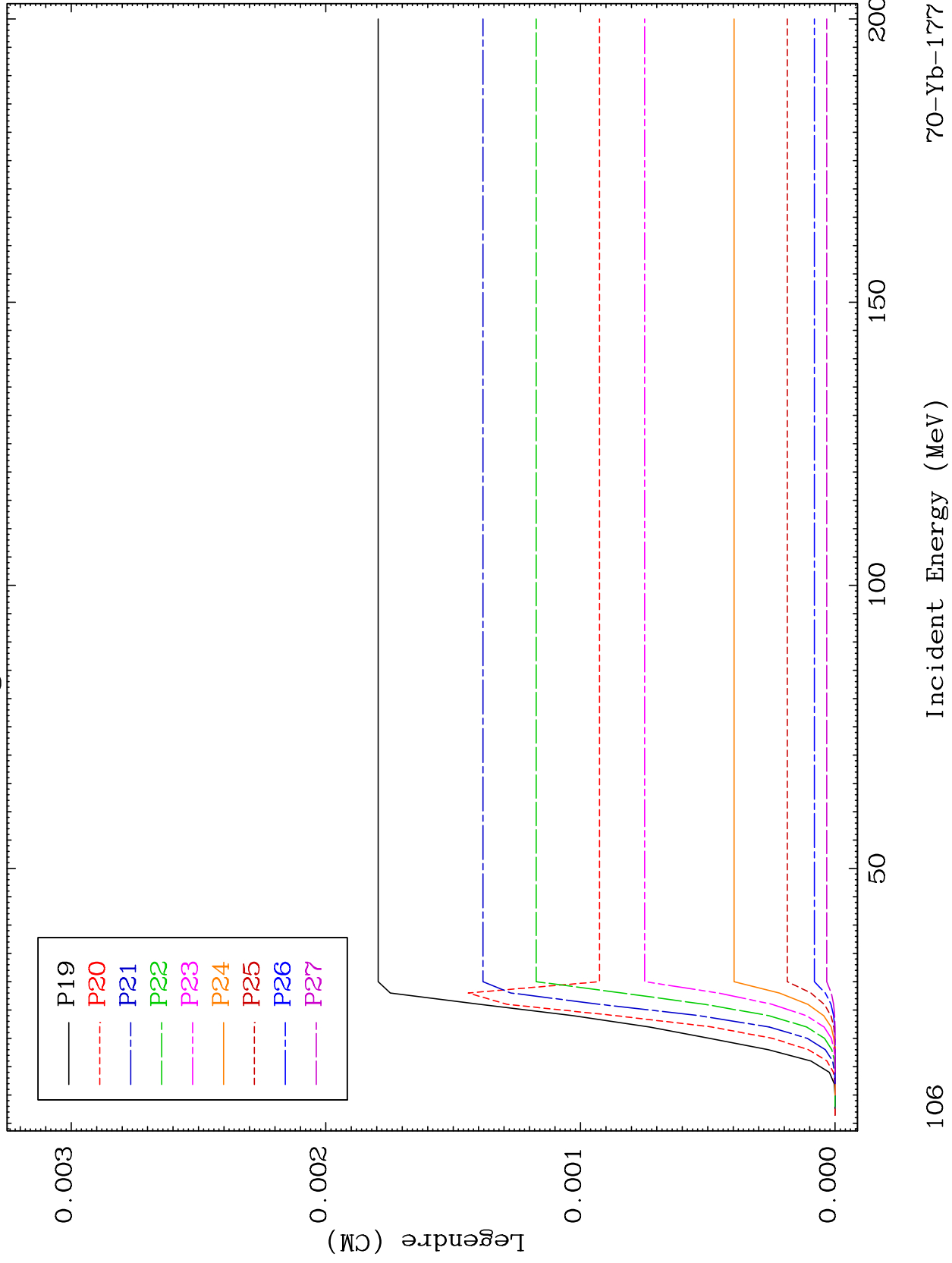
Incident Energy (MeV)

105

MAT 7052

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

70-Yb-177



106

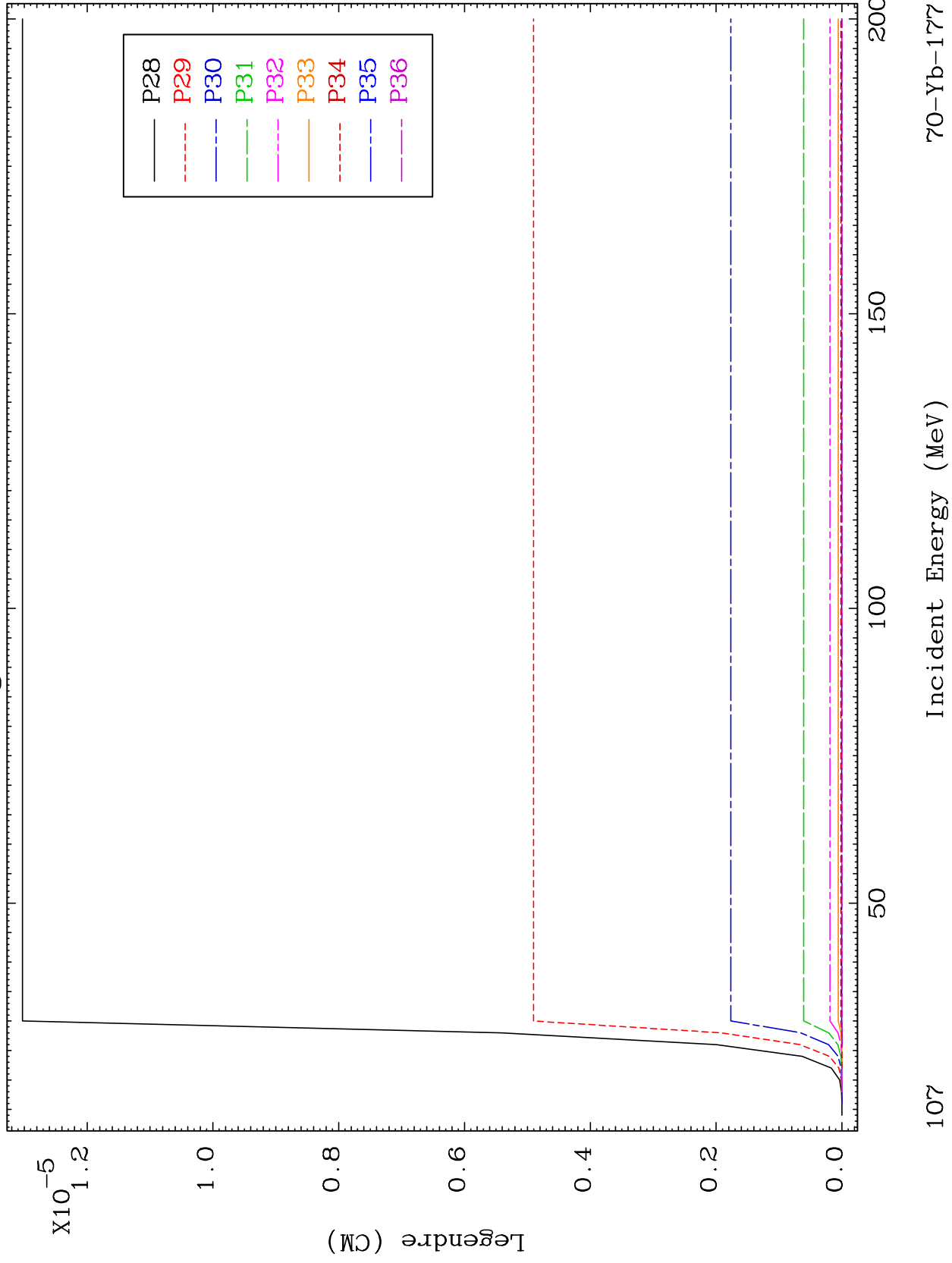
Incident Energy (MeV)

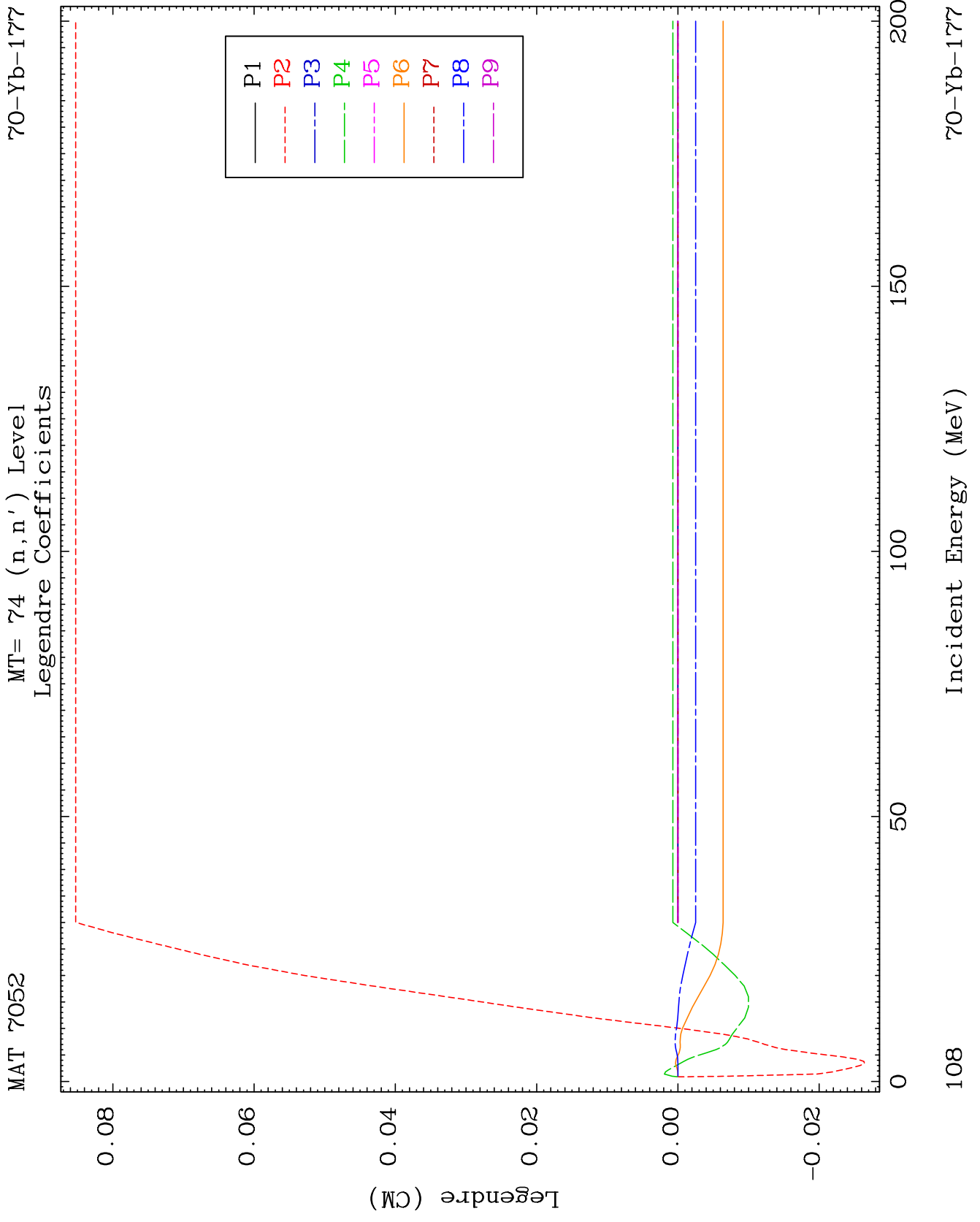
70-Yb-177

MAT 7052

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

70-Yb-177

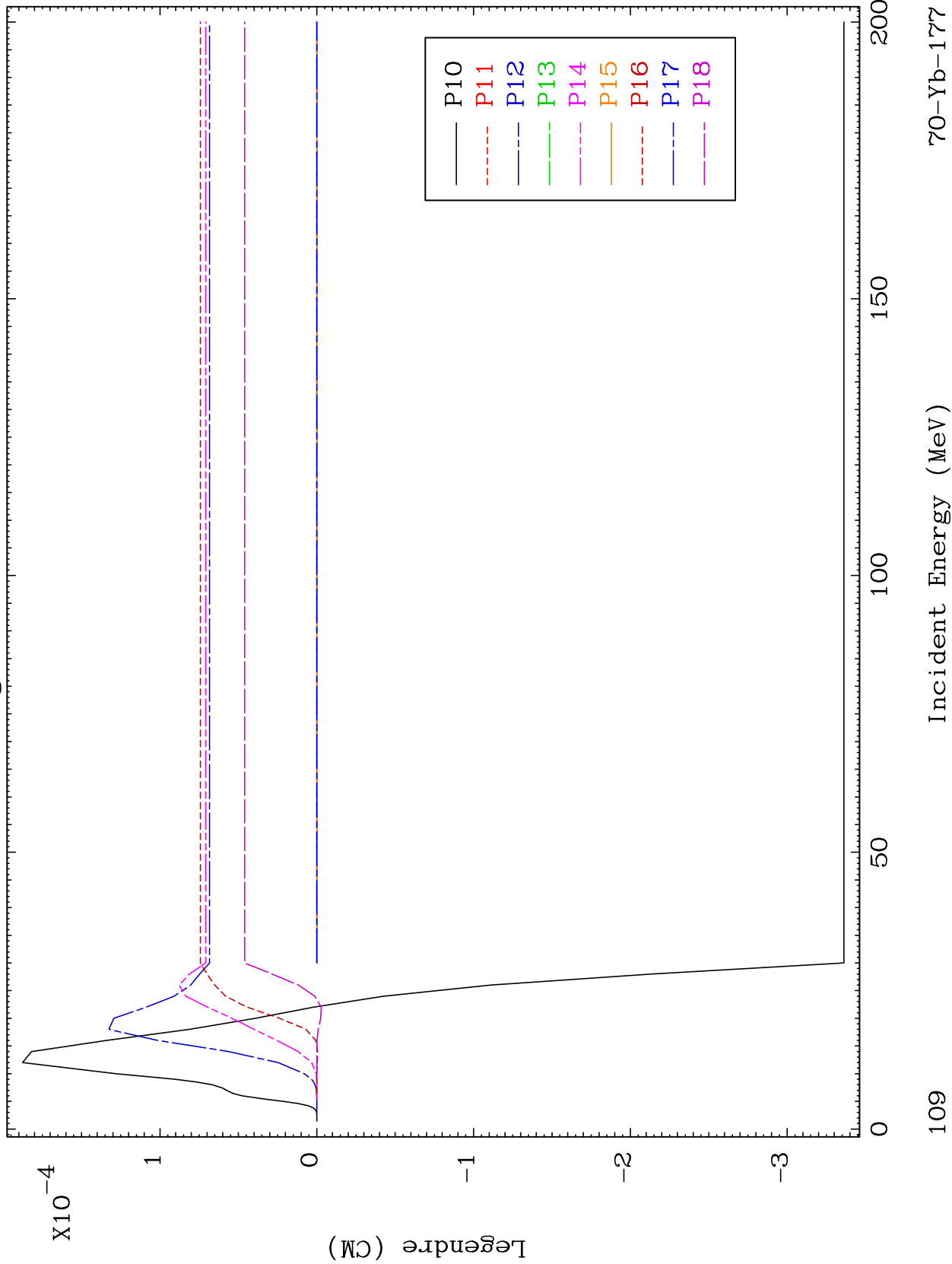




MAT 7052

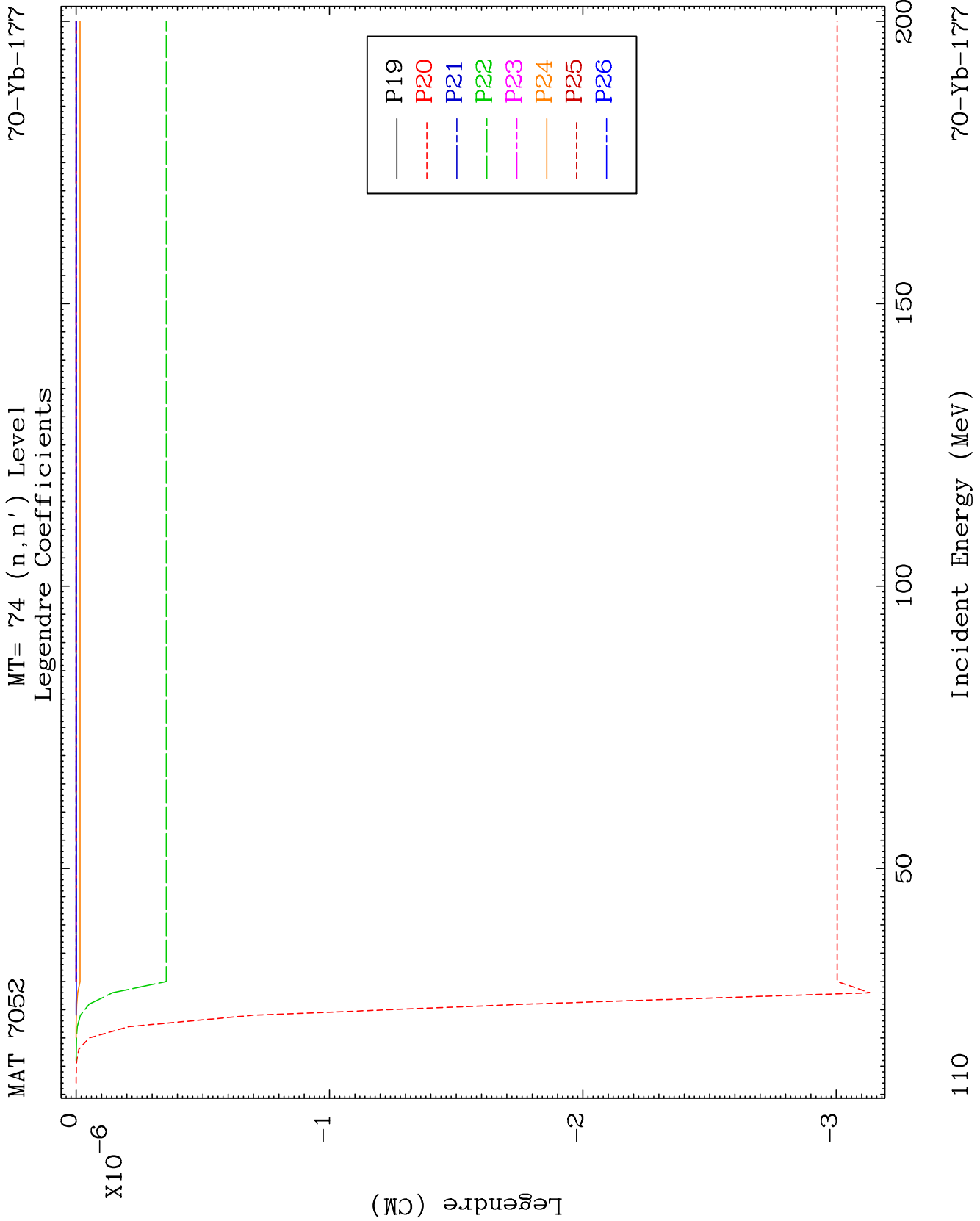
MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-177



109

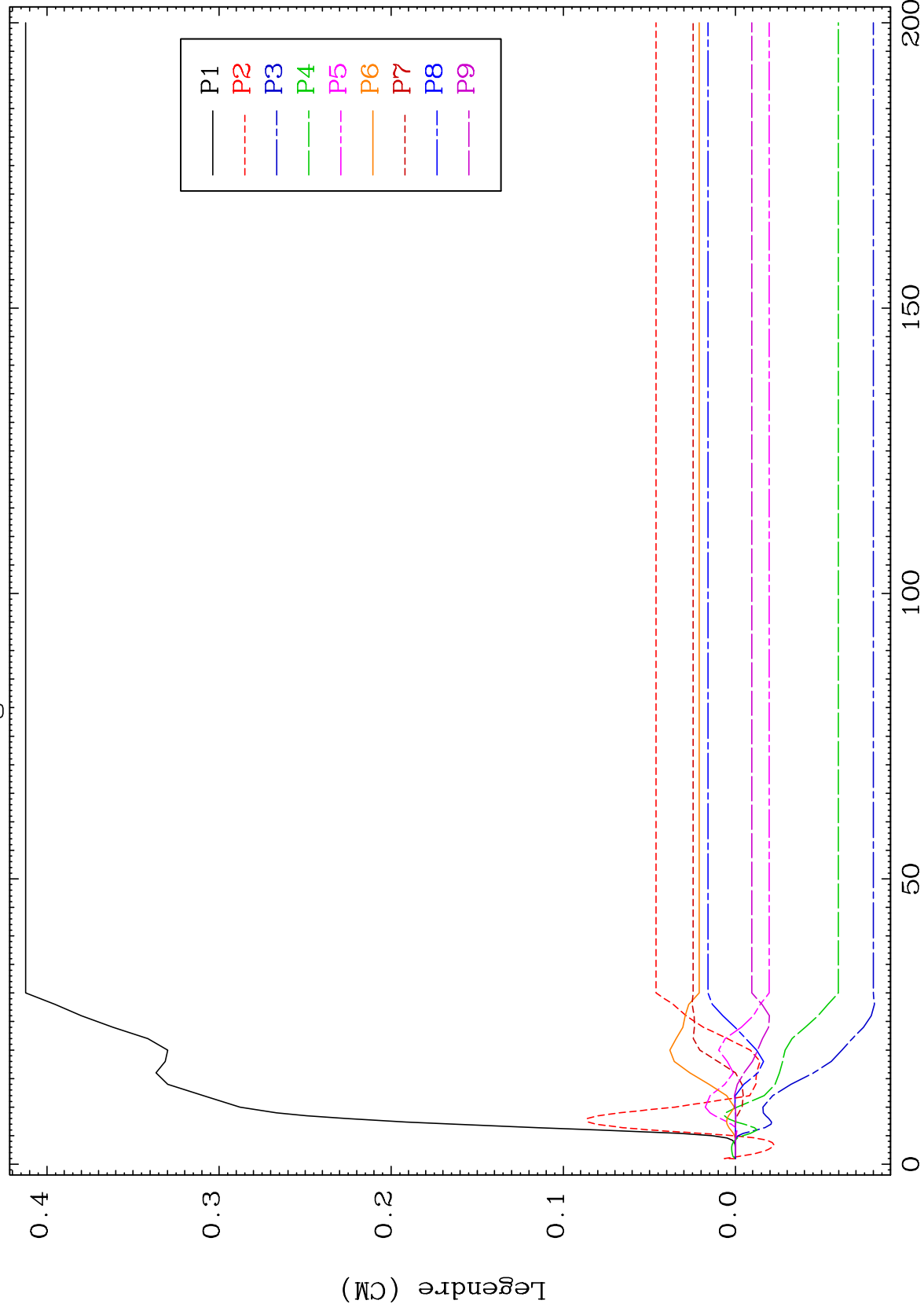
70-Yb-177



MAT 7052

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

70-Yb-177



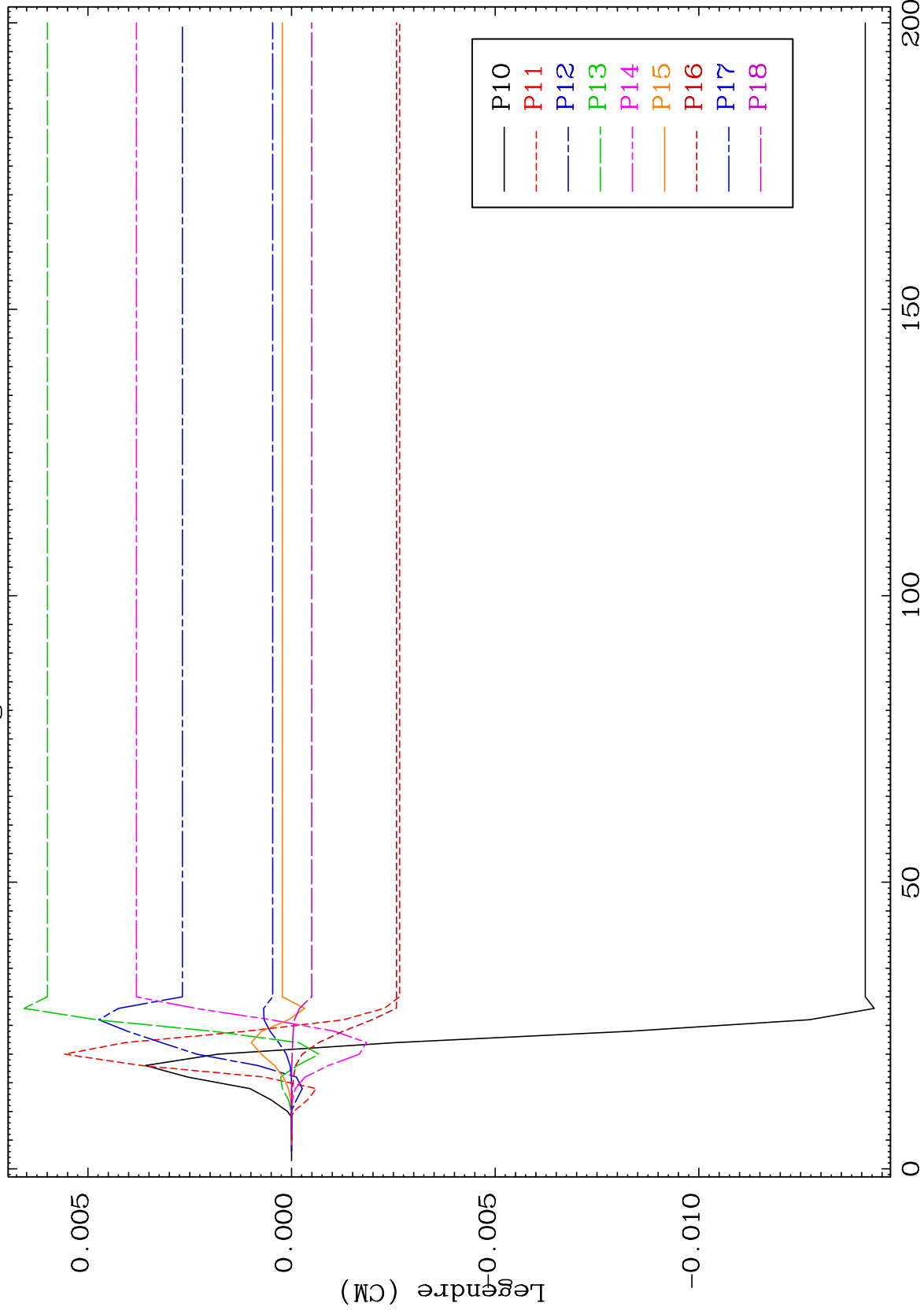
111

70-Yb-177

MAT 7052

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

70-Yb-177



112

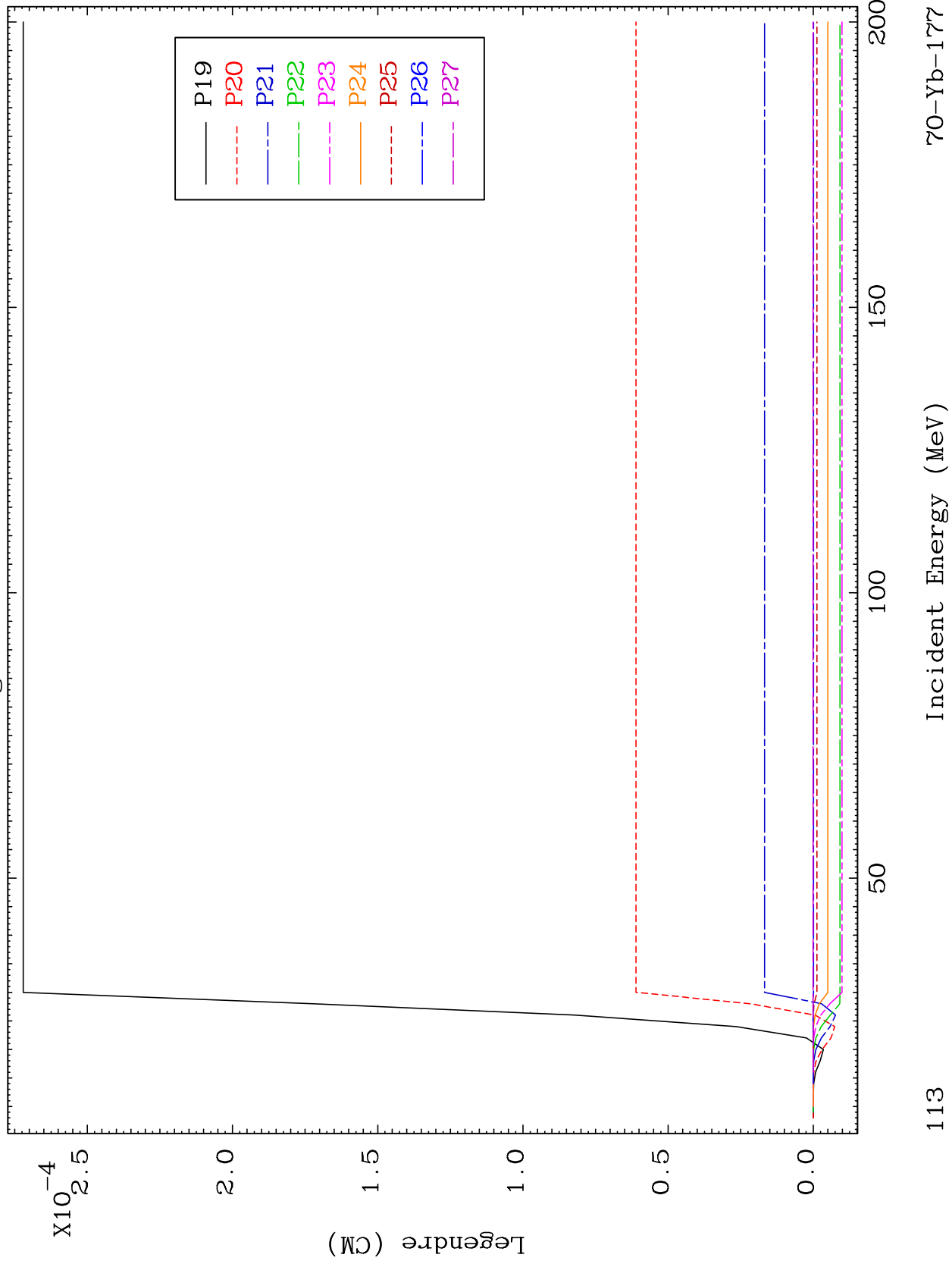
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

70-Yb-177

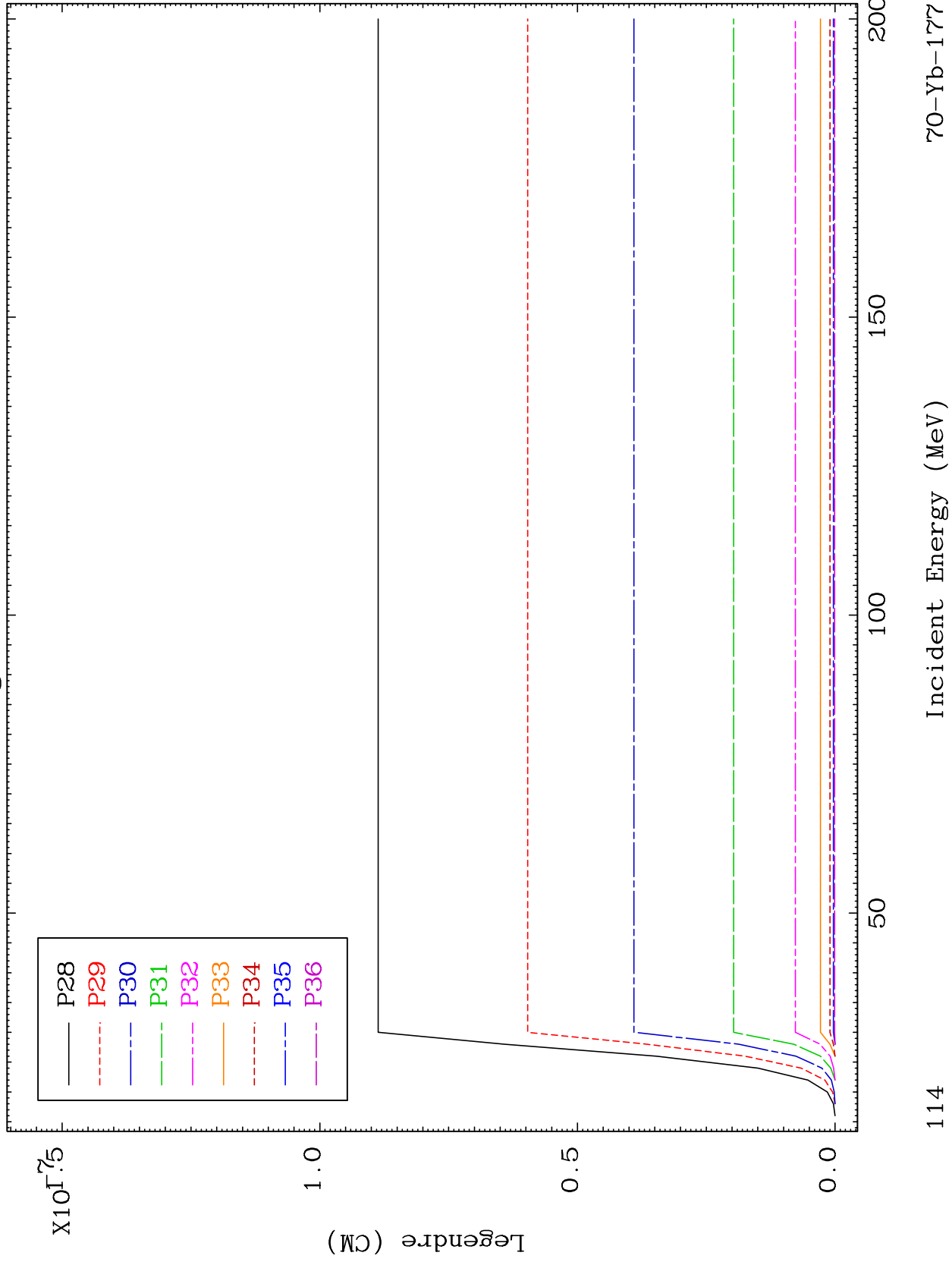


113

MAT 7052

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

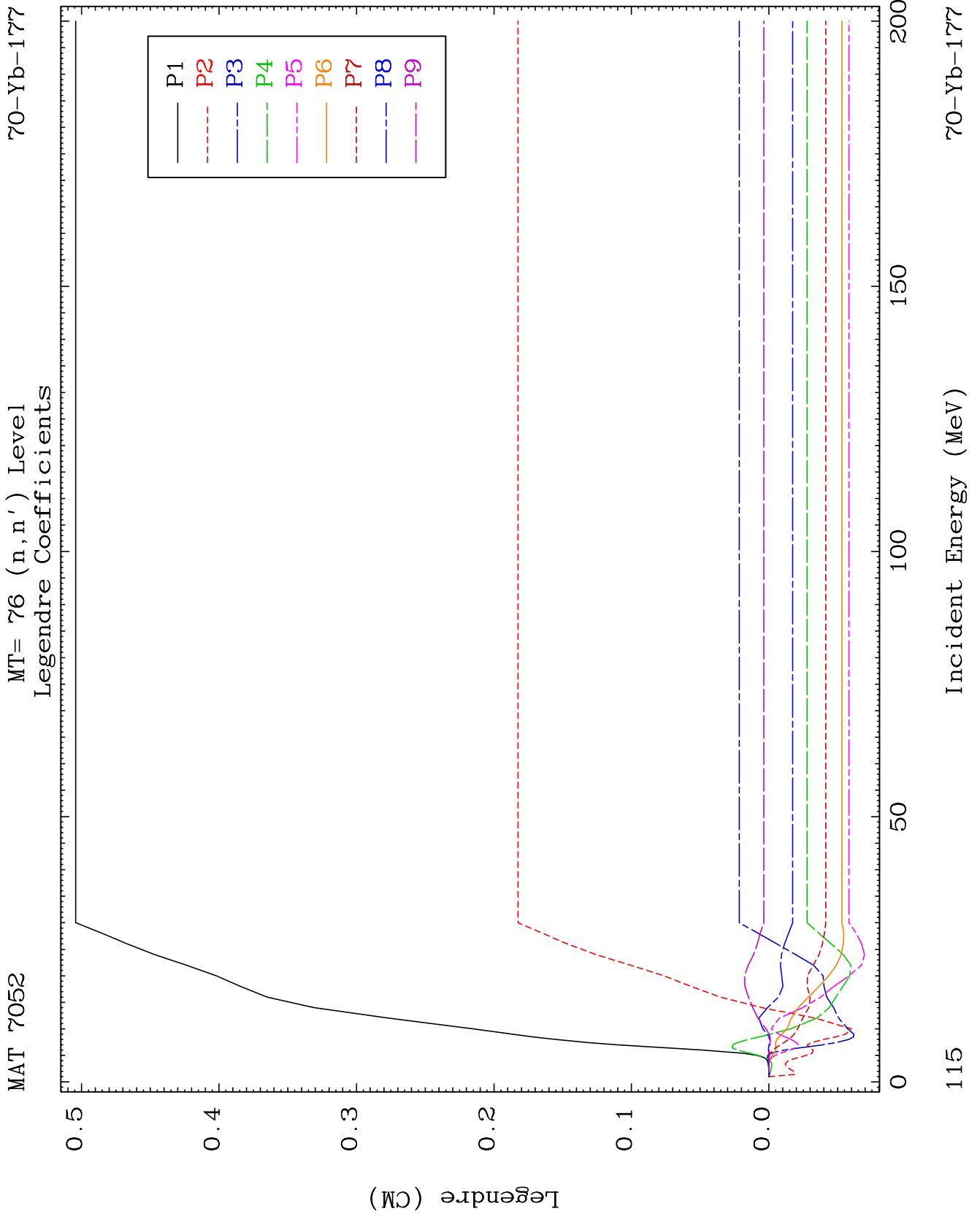
70-Yb-177

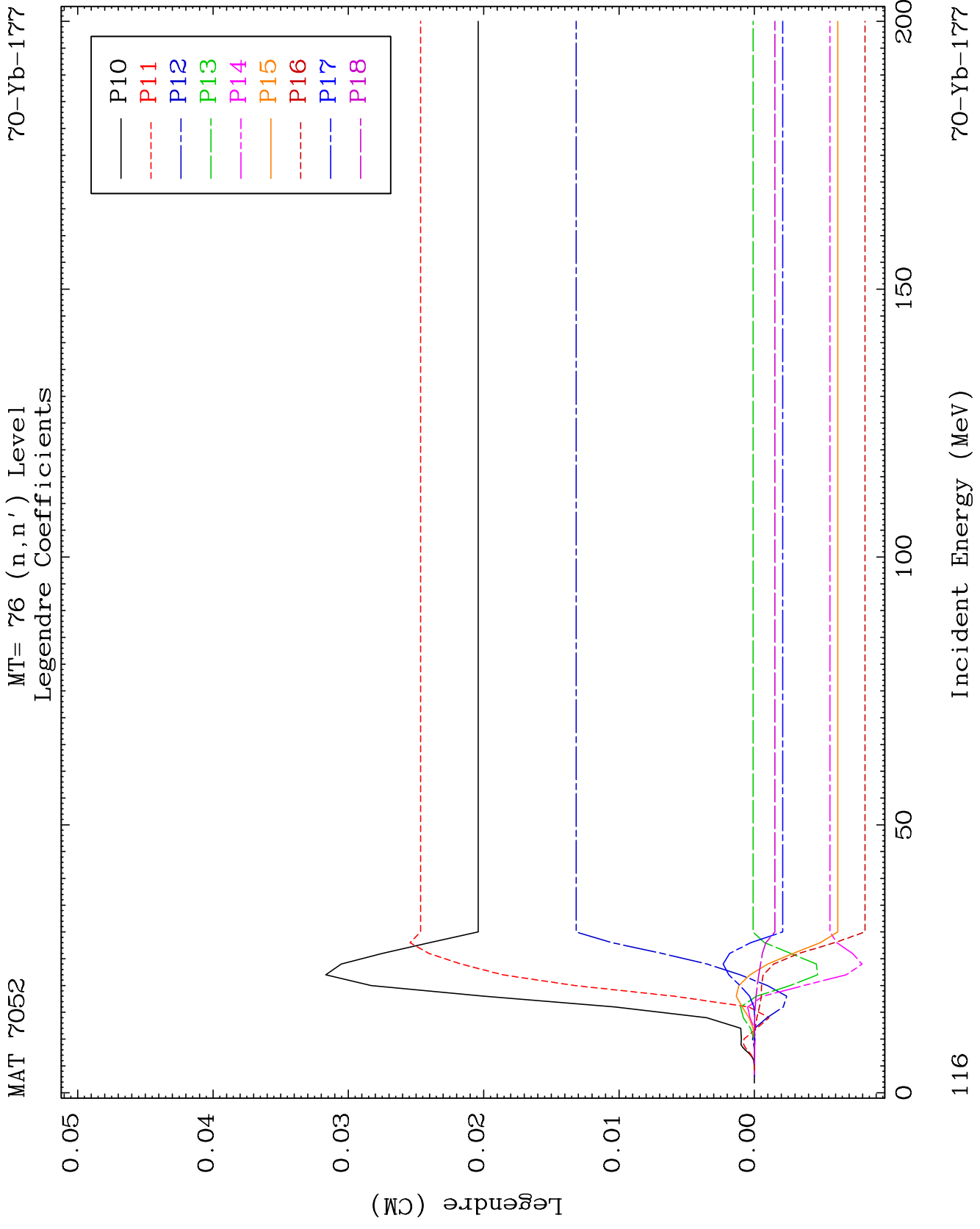


114

Incident Energy (MeV)

70-Yb-177

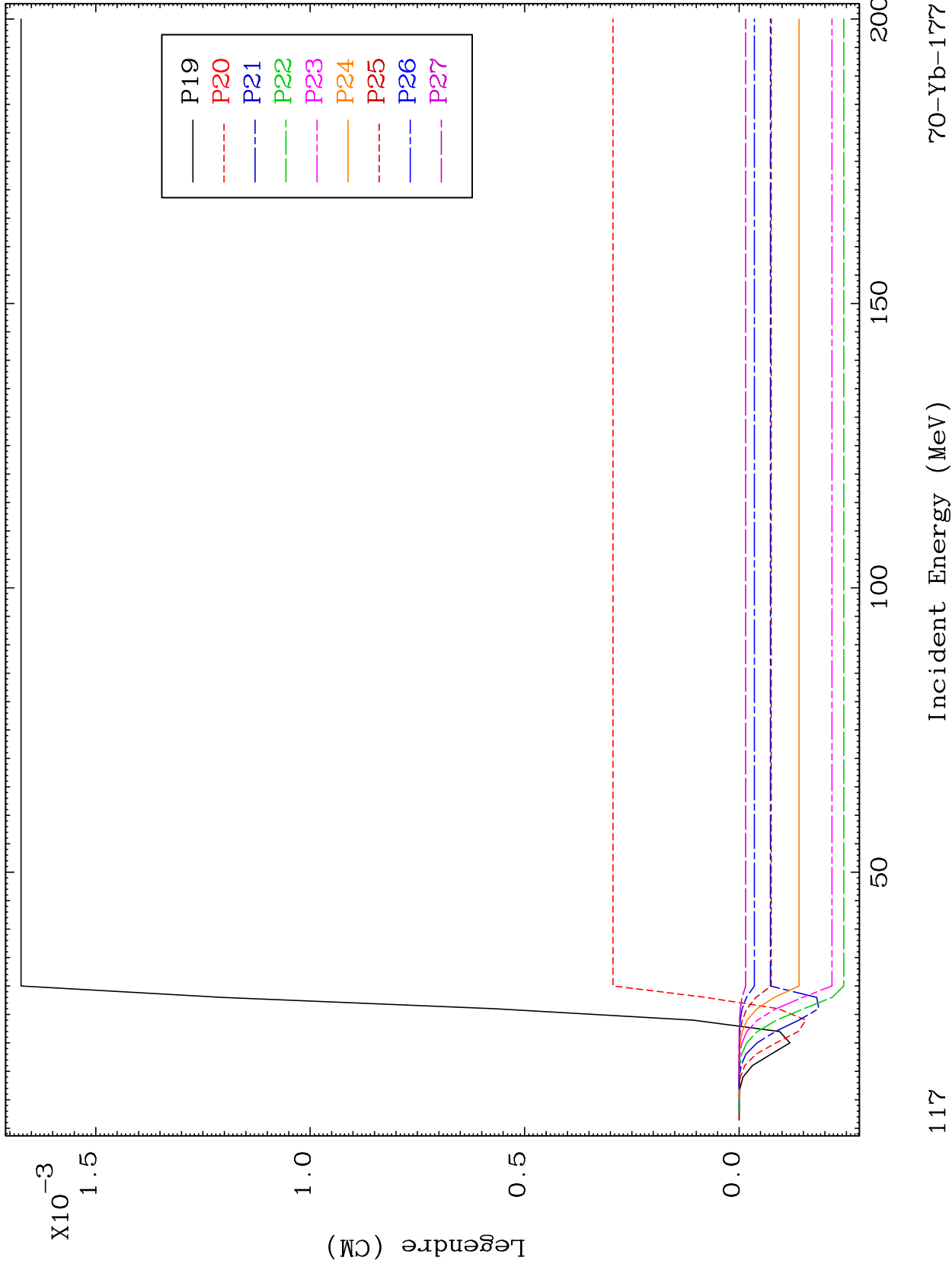




MAT 7052

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

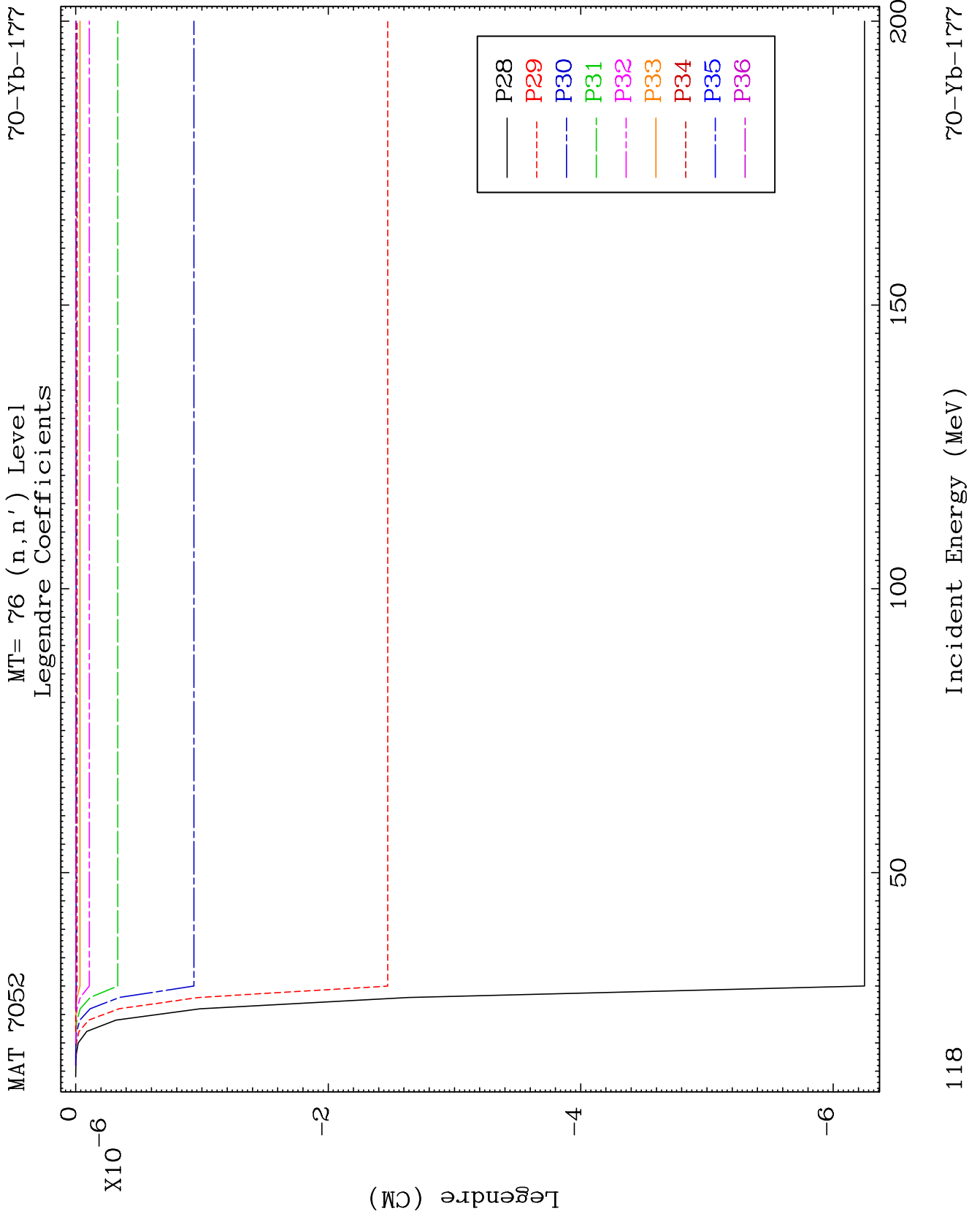
70-Yb-177



117

Incident Energy (MeV)

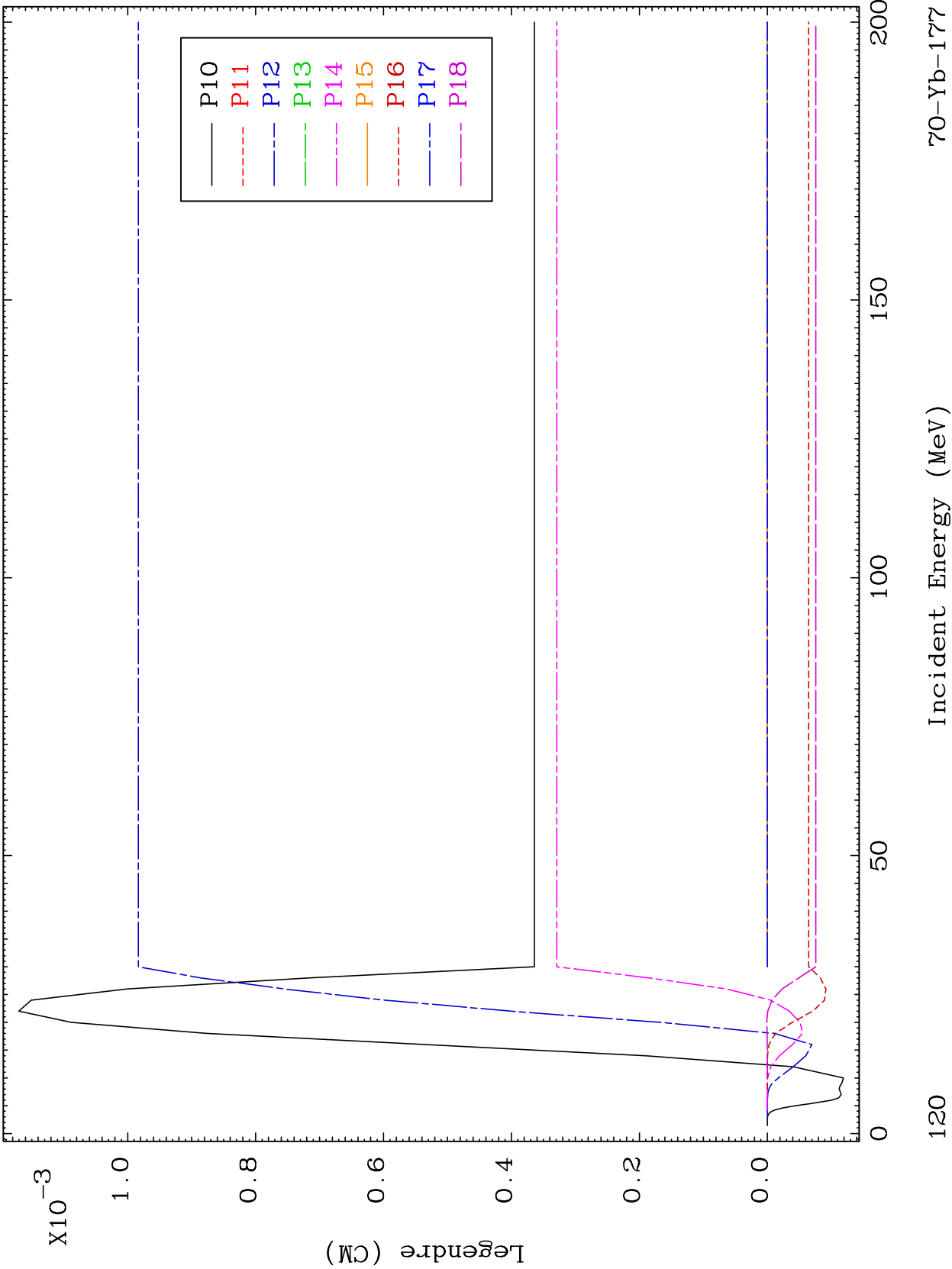
70-Yb-177



MAT 7052

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

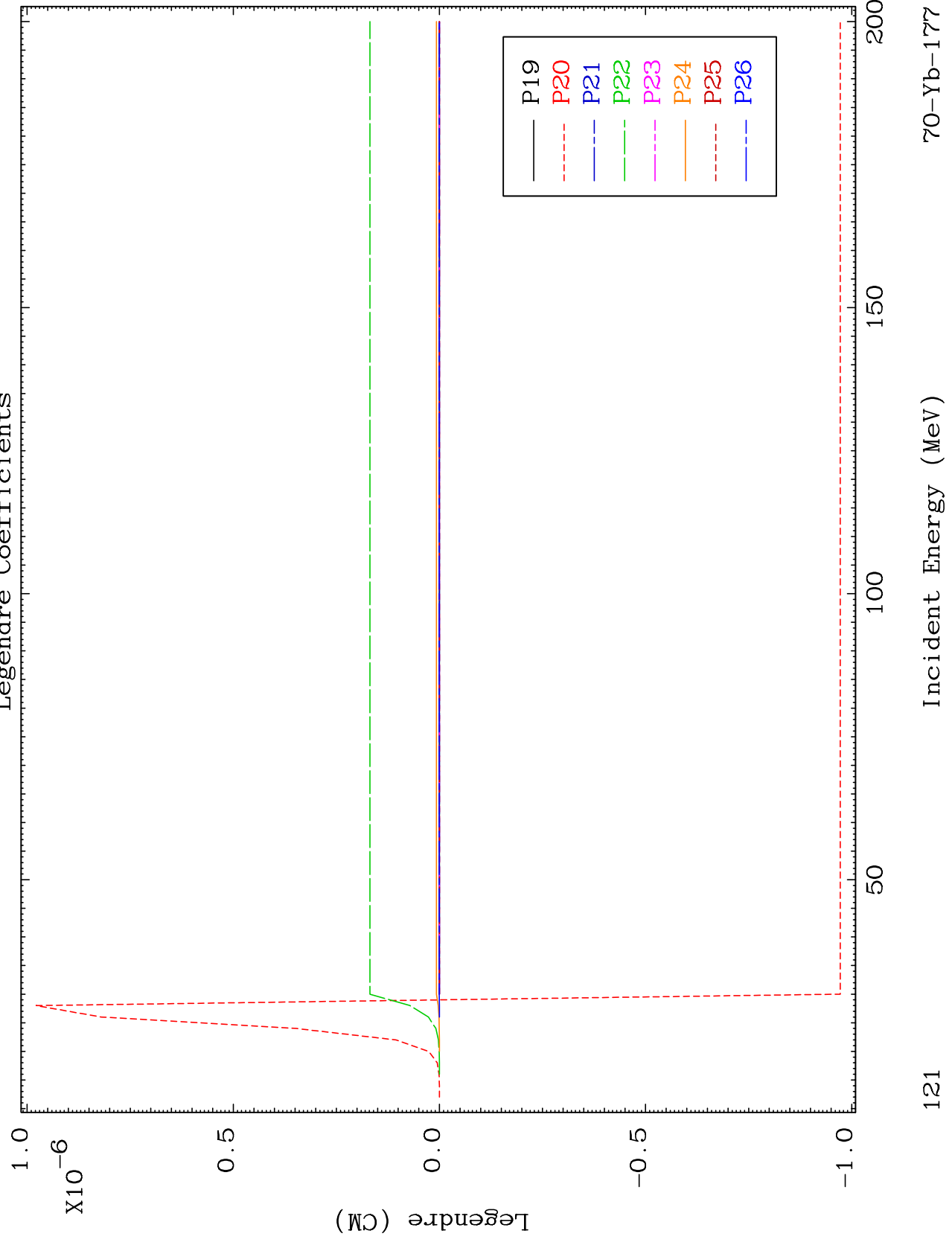
70-Yb-177



MAT 7052

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

70-Yb-177



121

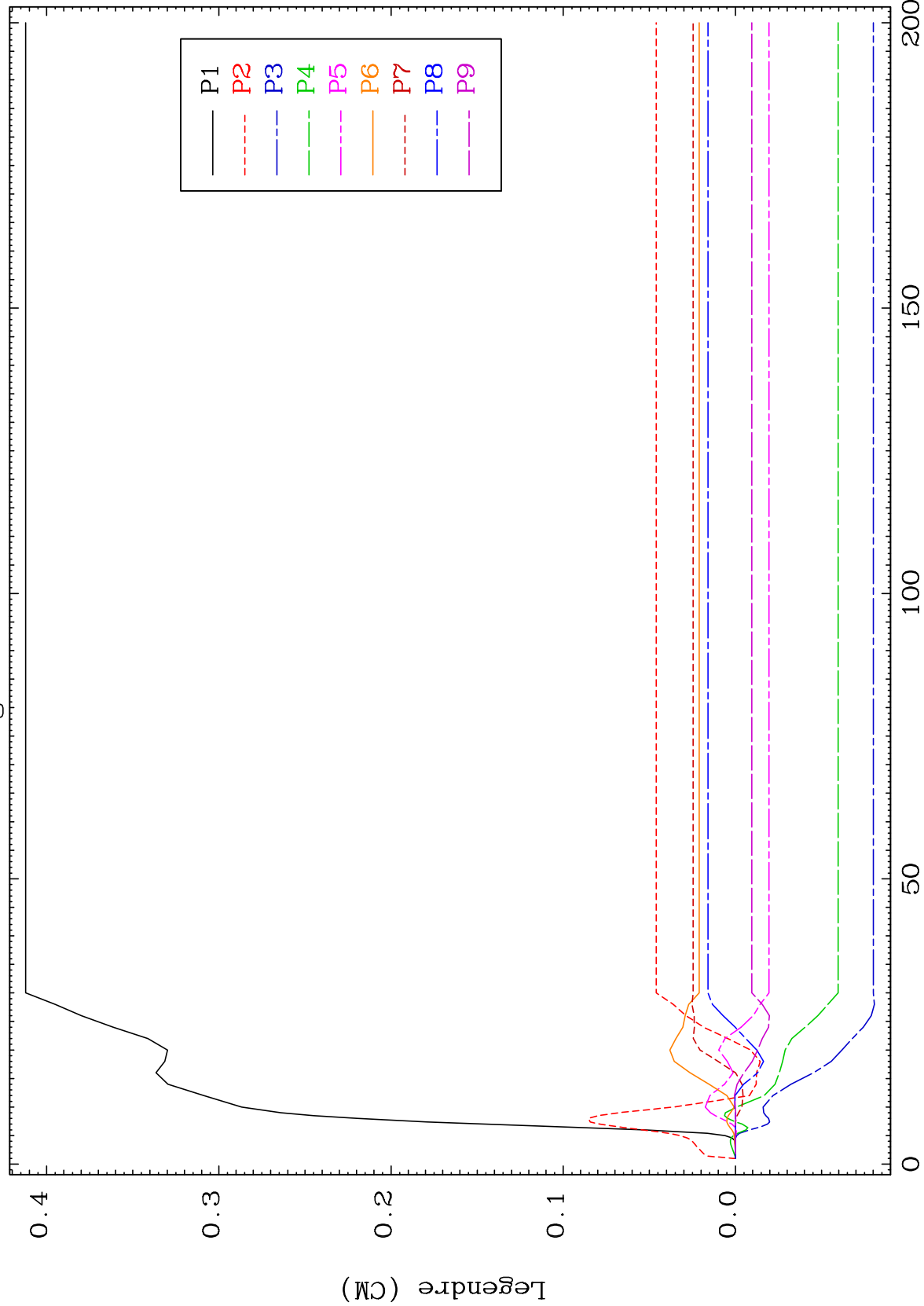
Incident Energy (MeV)

70-Yb-177

MAT 7052

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

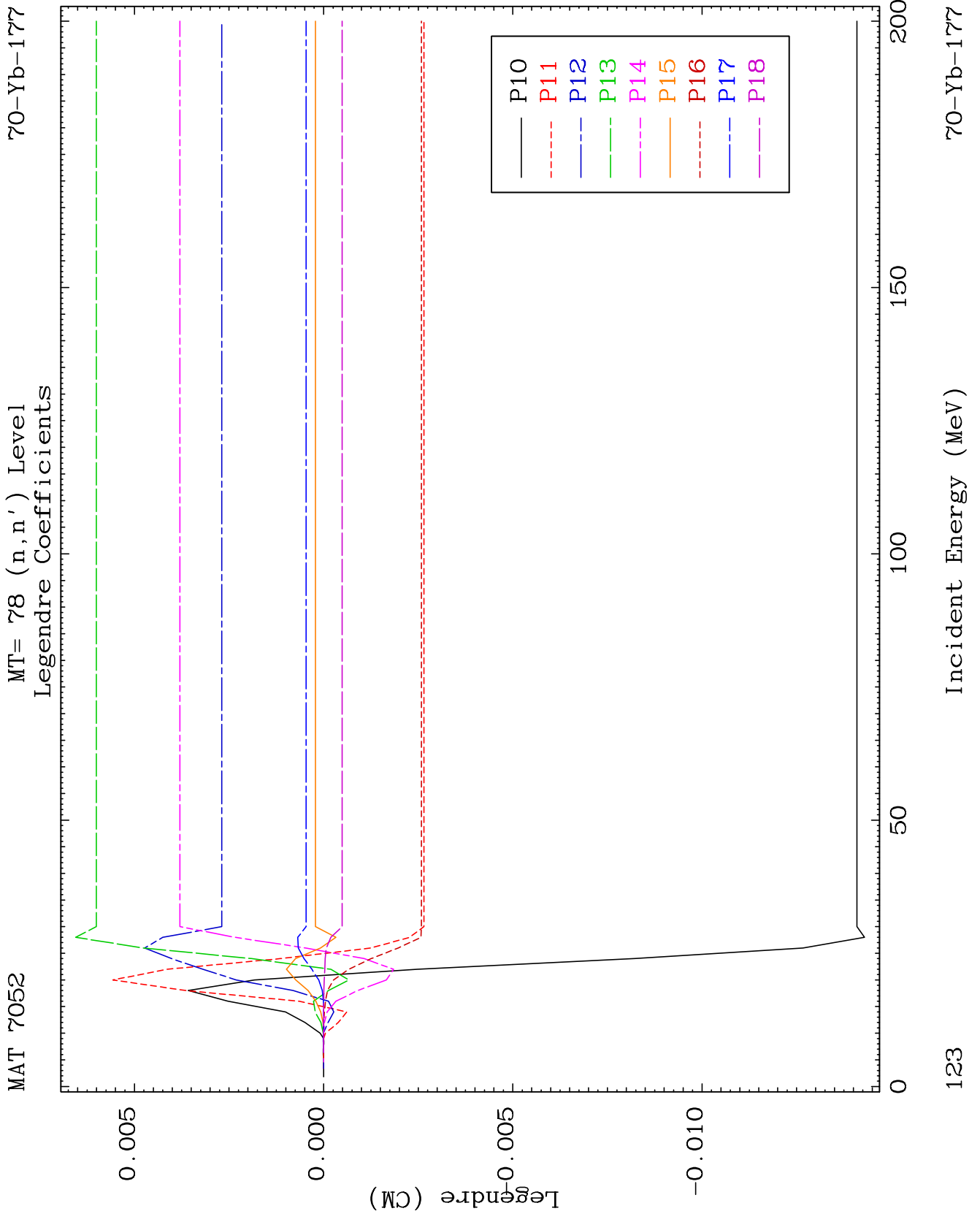
70-Yb-177



70-Yb-177

Incident Energy (MeV)

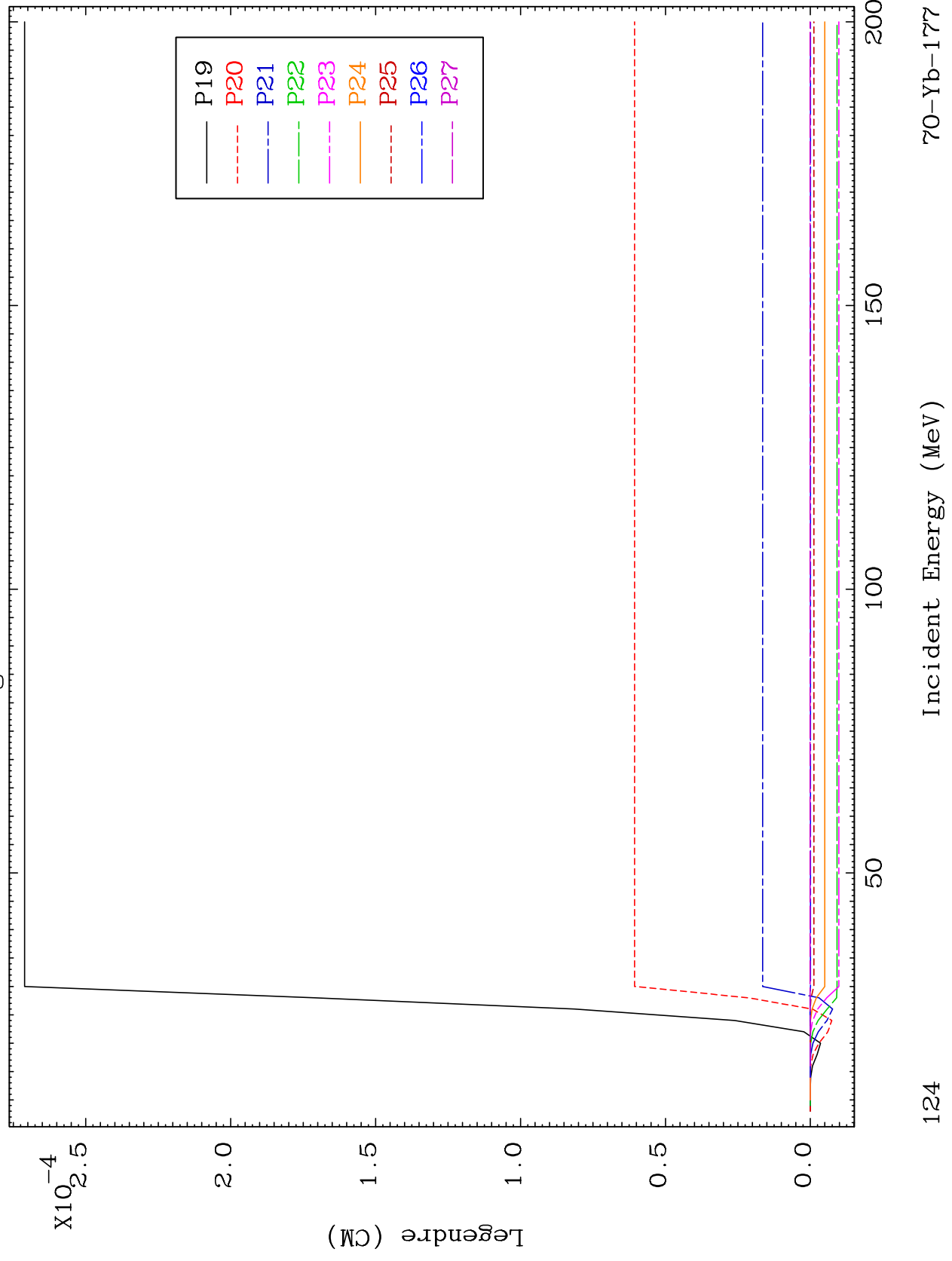
122



MAT 7052

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

70-Yb-177



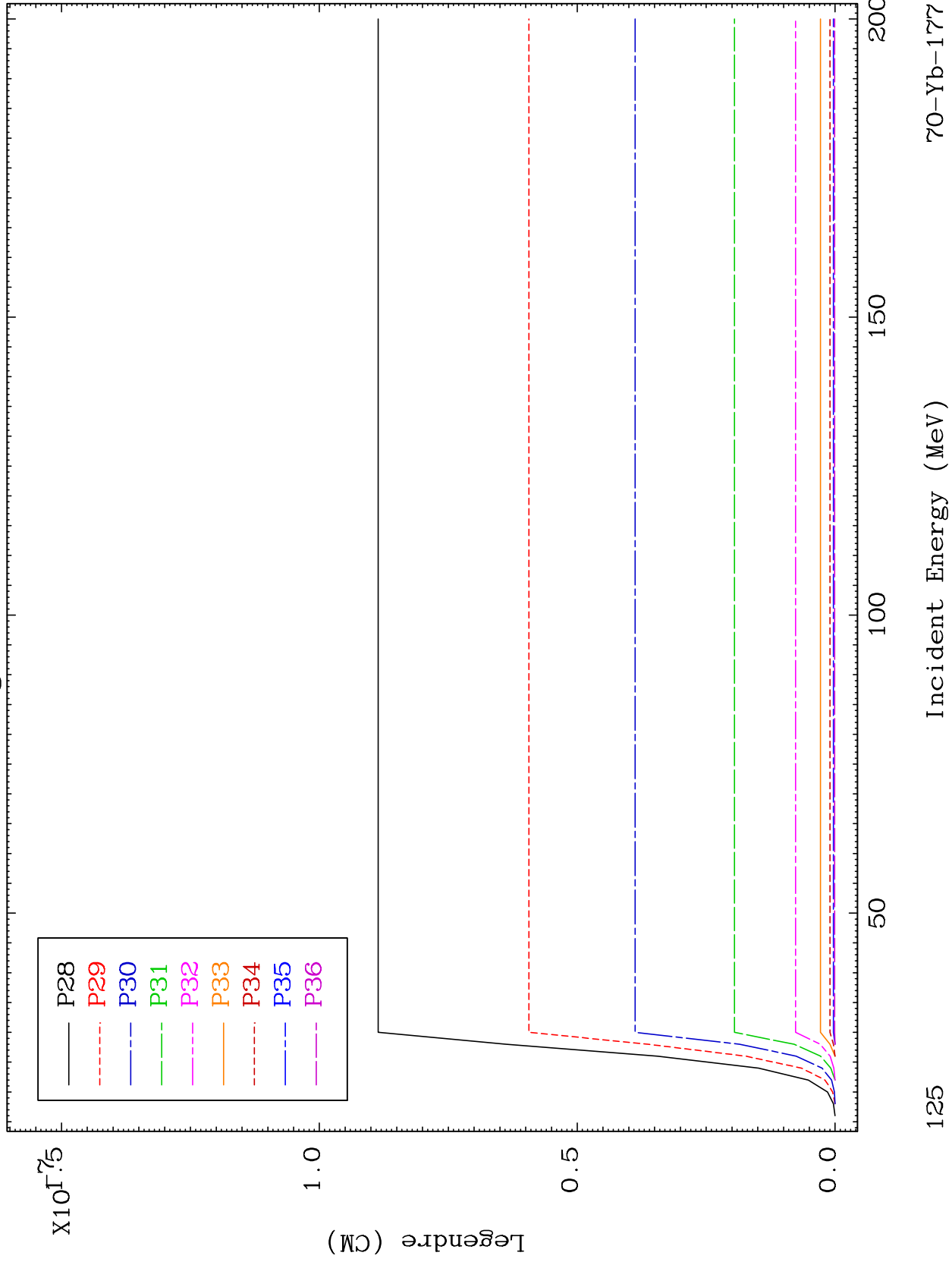
124

70-Yb-177

MAT 7052

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

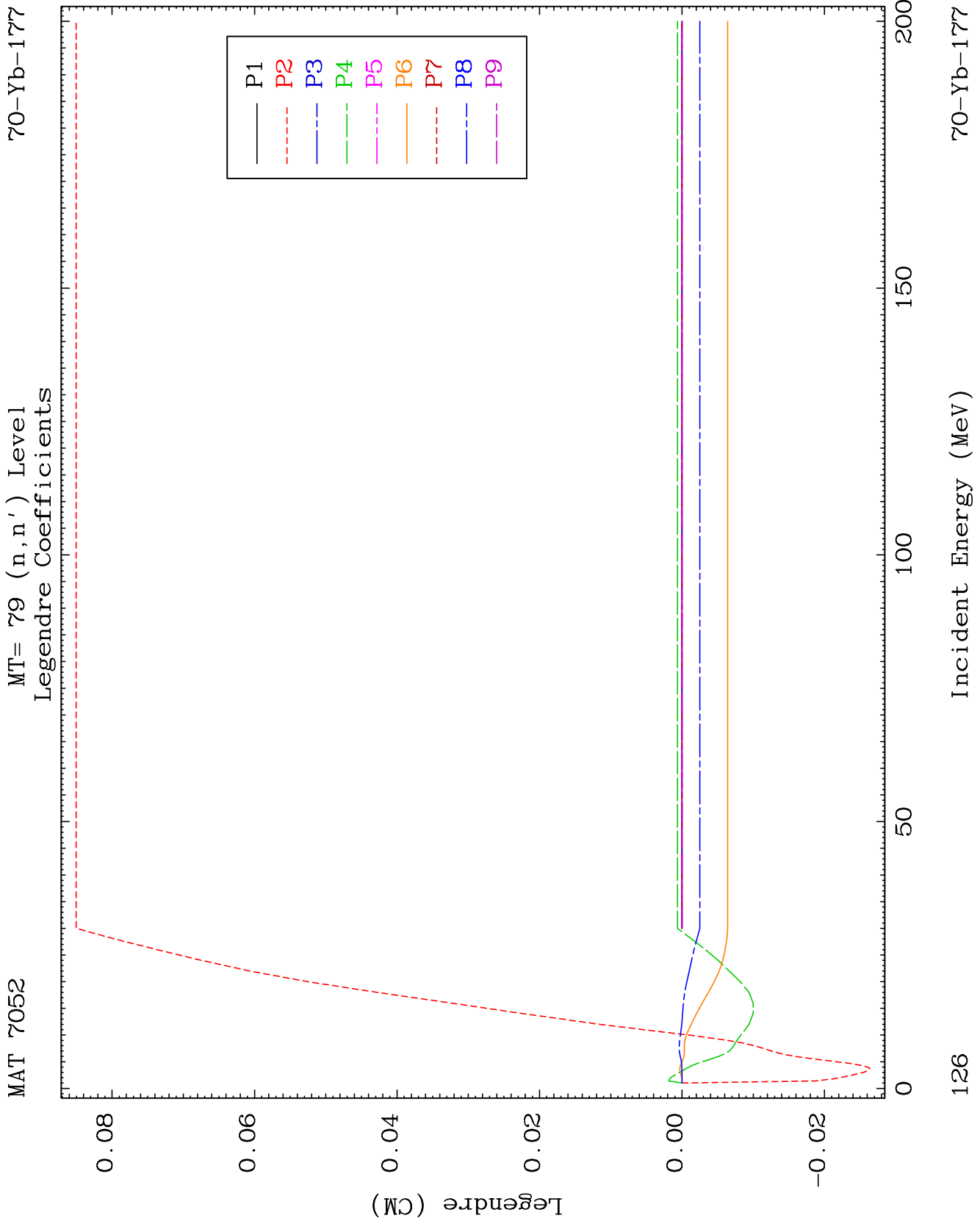
70-Yb-177



70-Yb-177

Incident Energy (MeV)

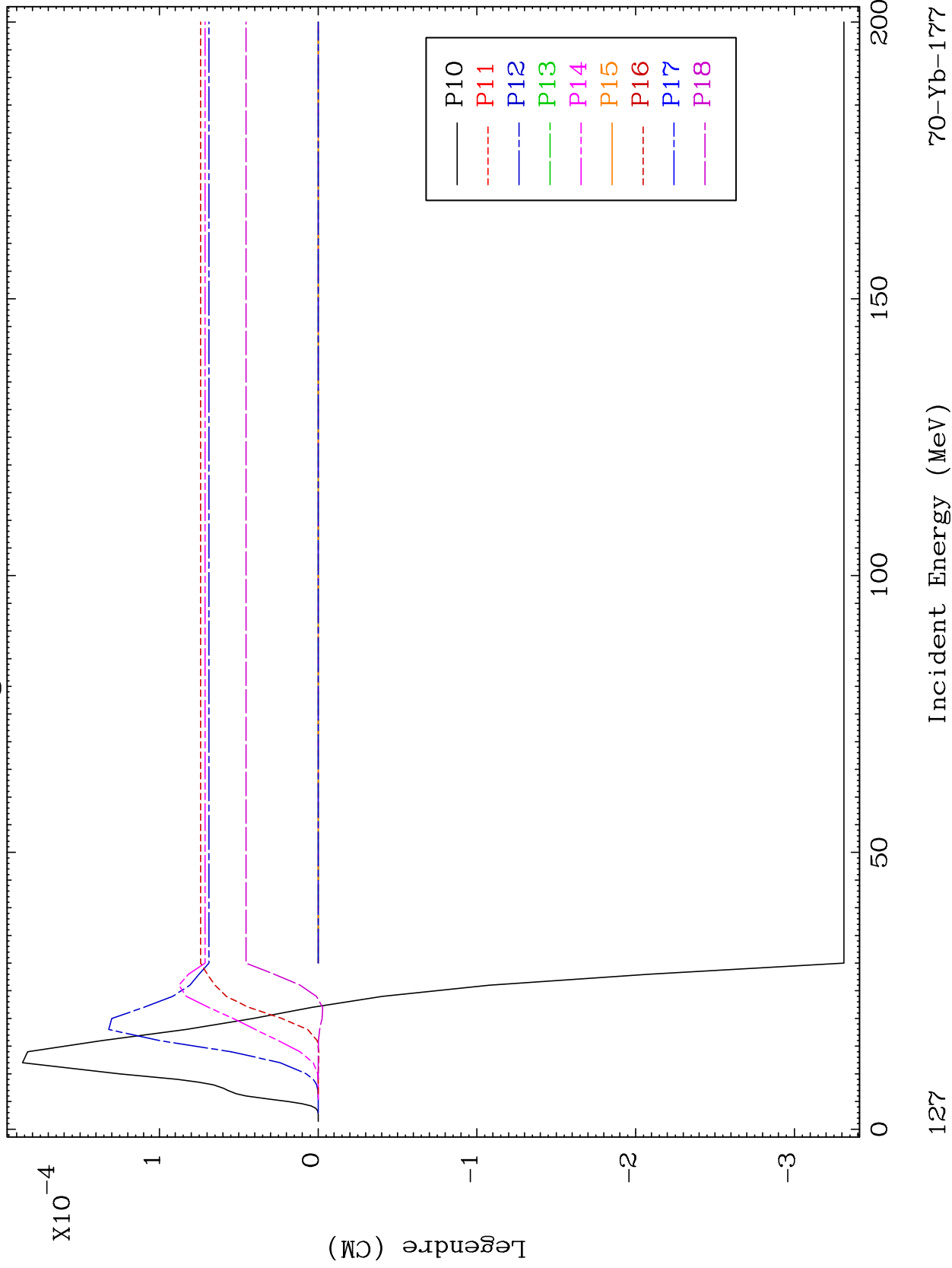
125



MAT 7052

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

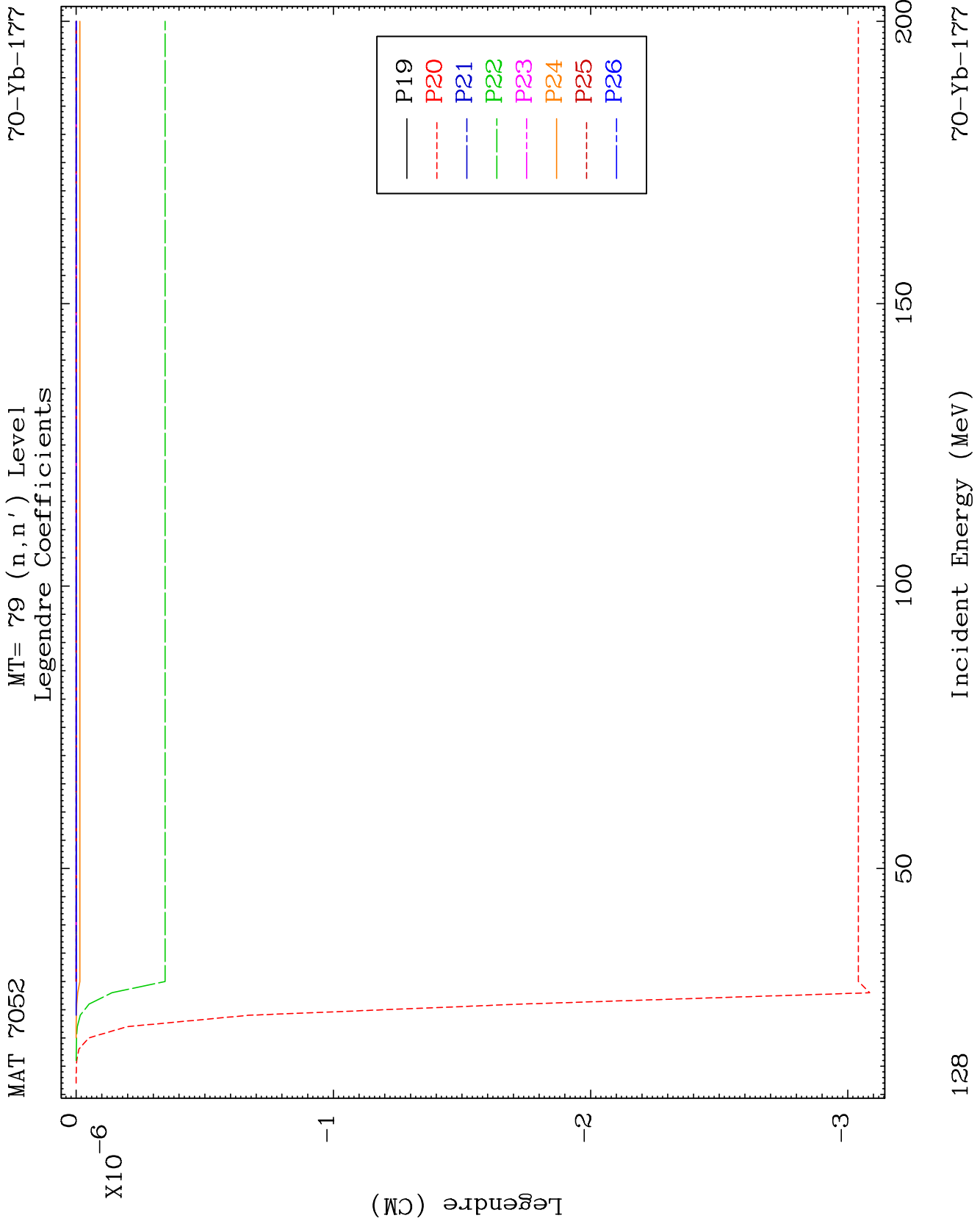
70-Yb-177



0

Incident Energy (MeV)

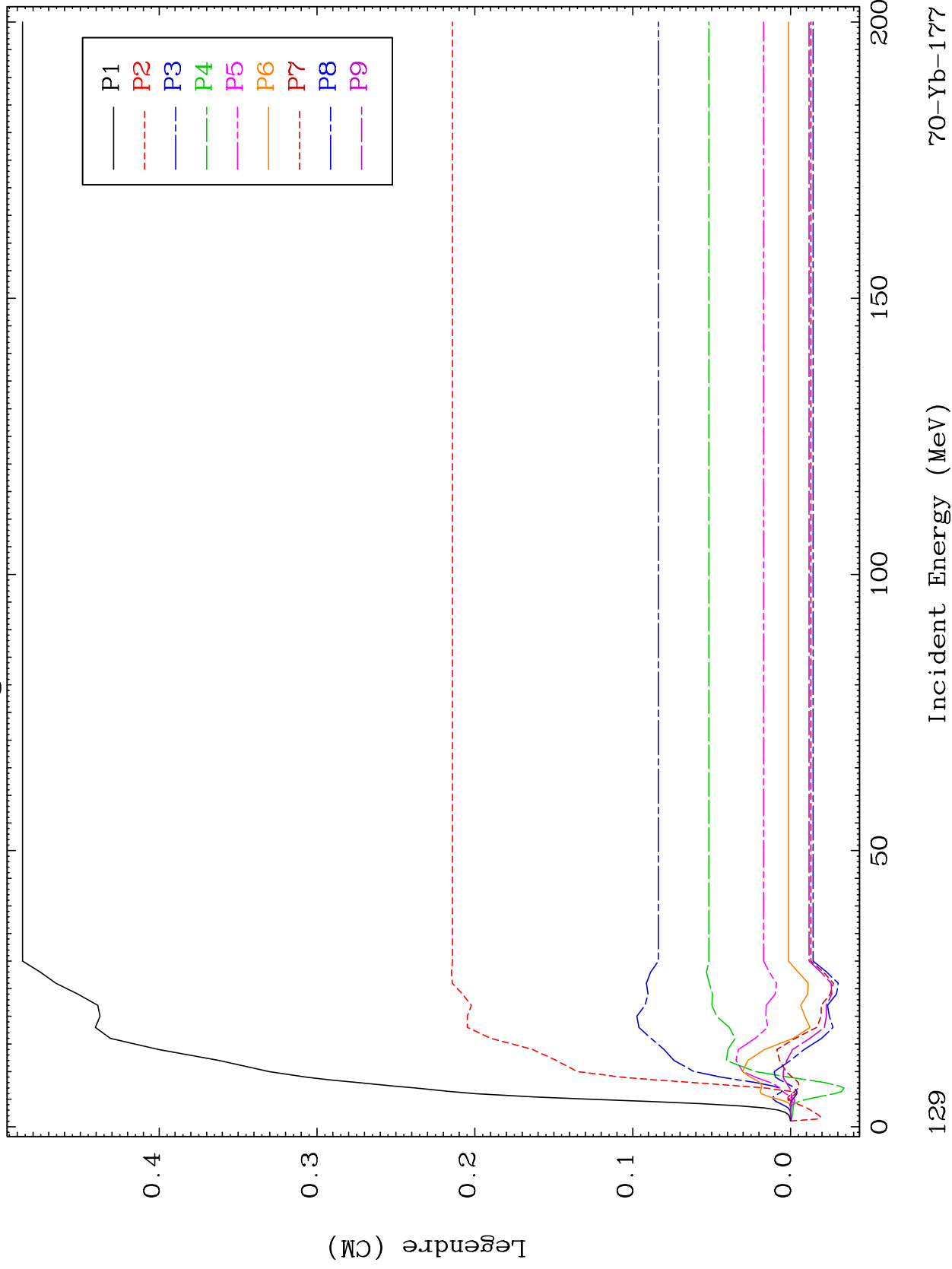
70-Yb-177



MAT 7052

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-177



129

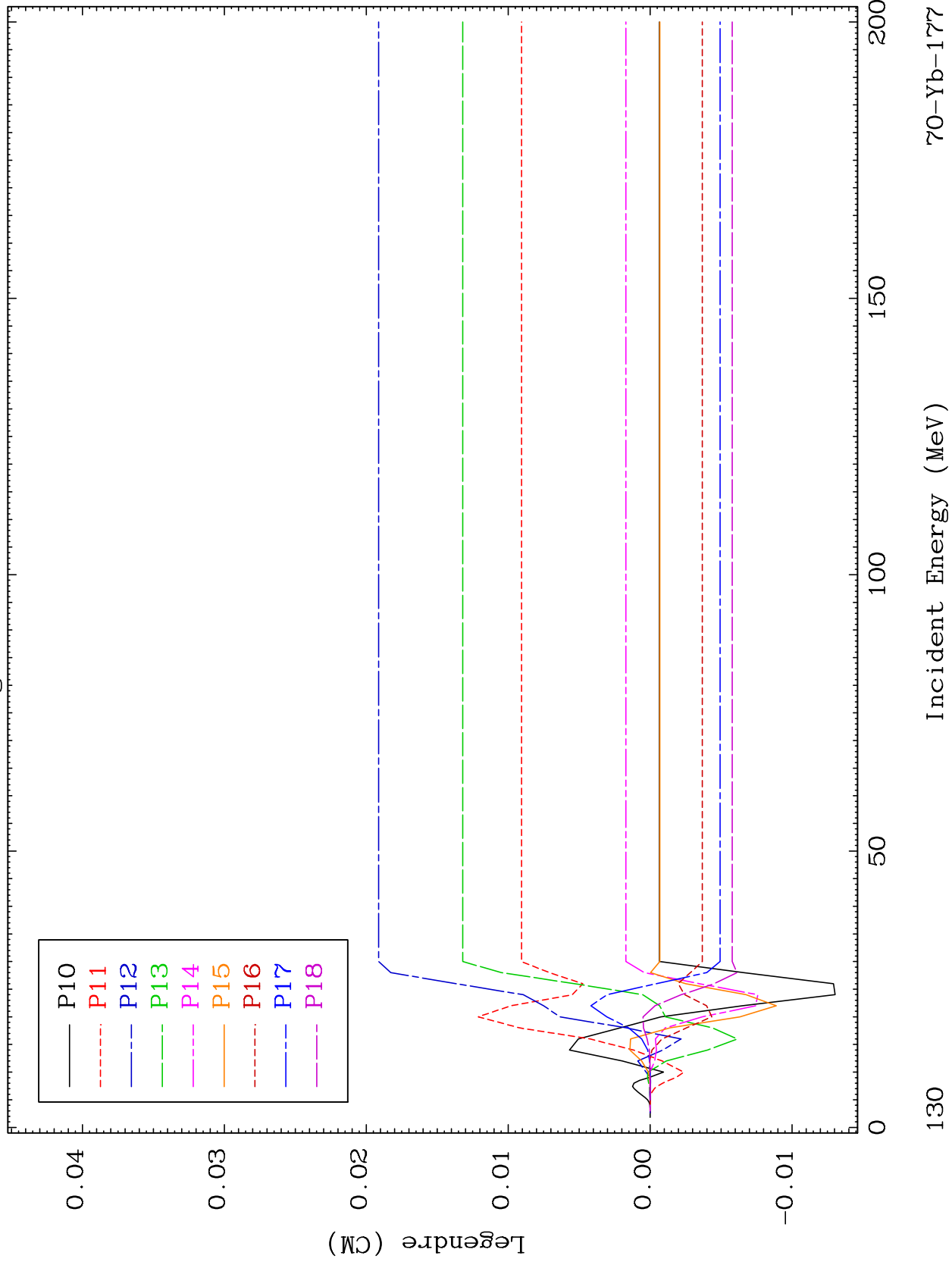
Incident Energy (MeV)

70-Yb-177

MAT 7052

MT= 80 (n,n') Level
Legendre Coefficients

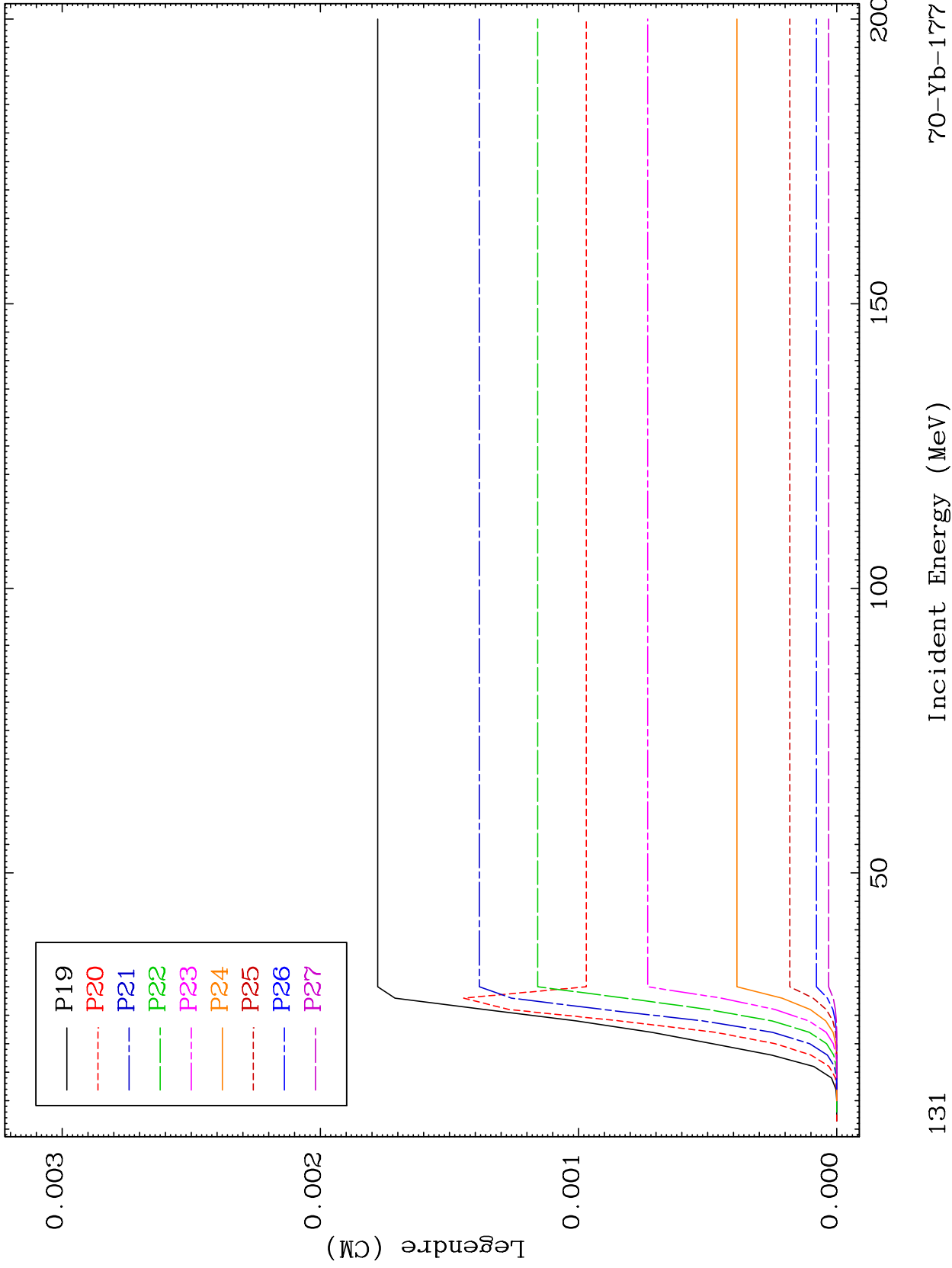
70-Yb-177



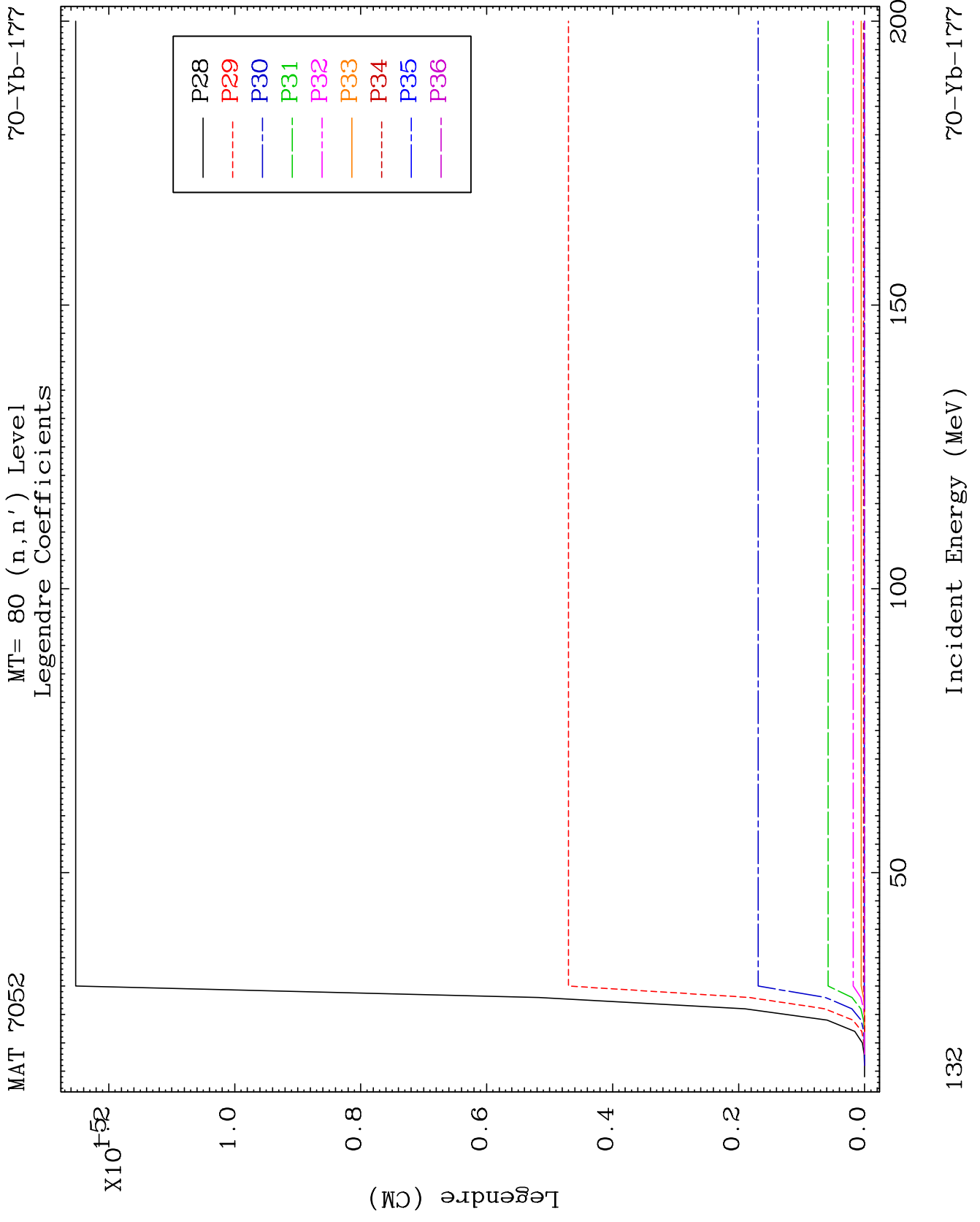
MAT 7052

MT= 80 (n,n') Level
Legendre Coefficients

70-Yb-177



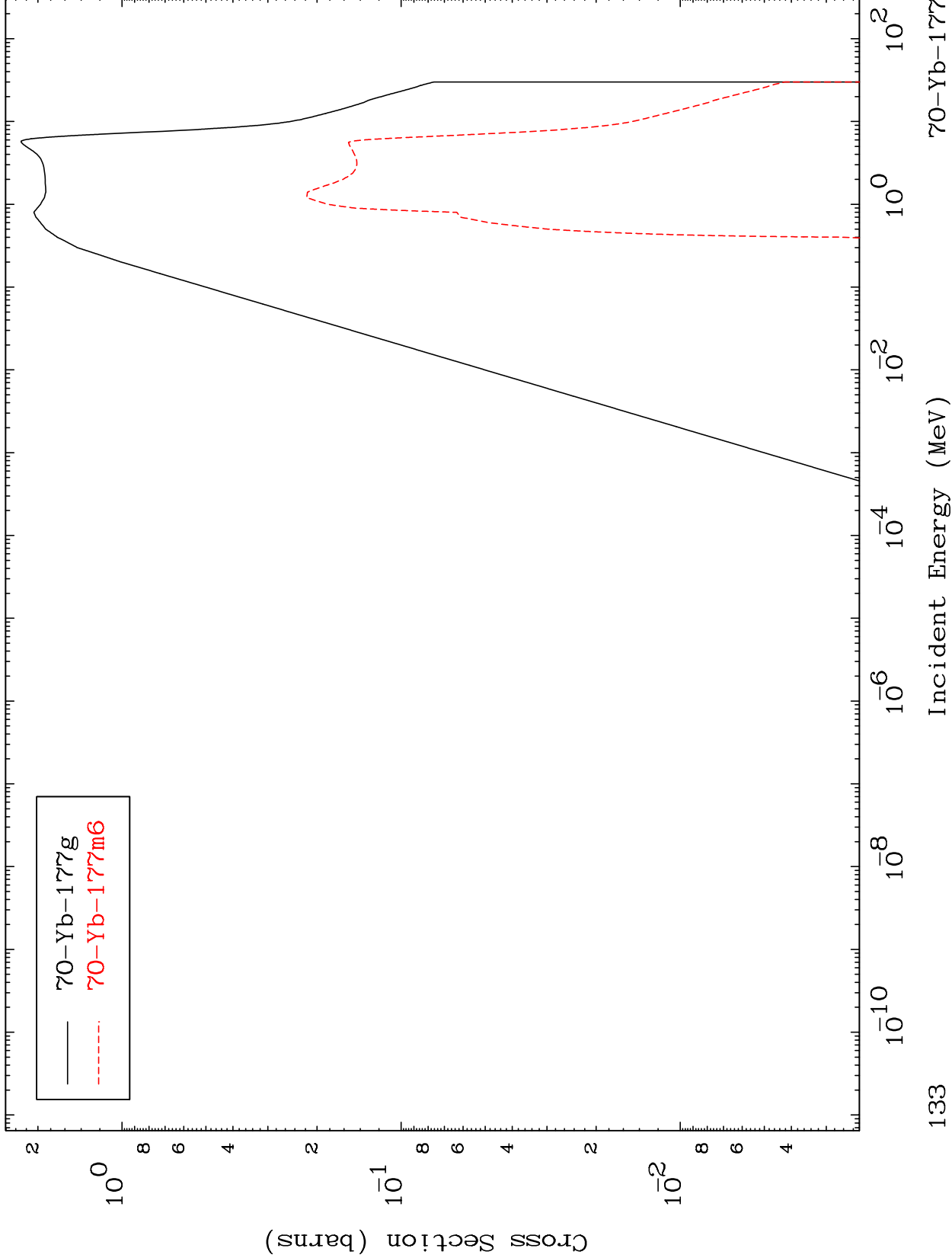
131



MAT 7052

Inelastic
Radionuclide Production Cross Section

⁷⁰Yb-177



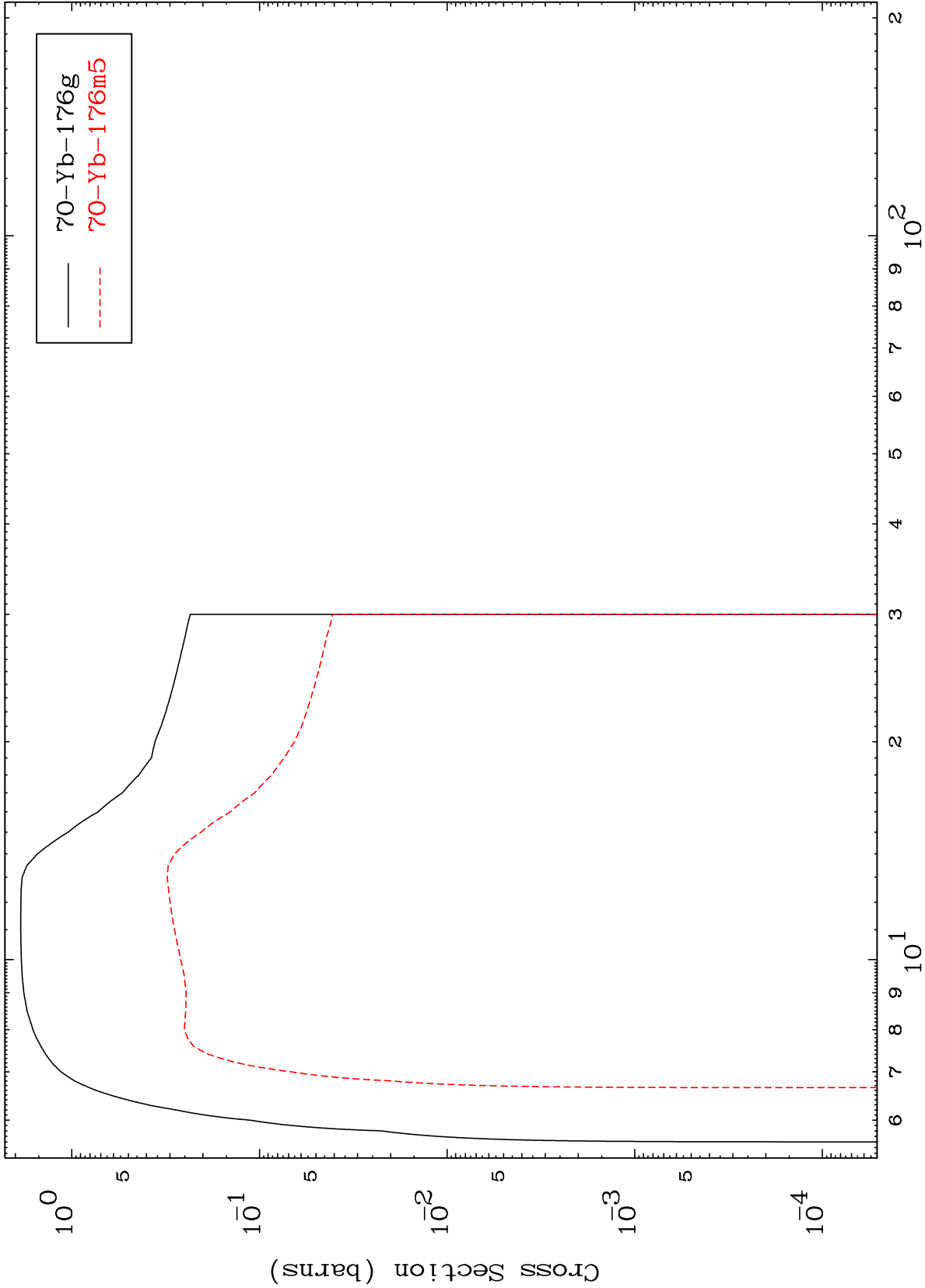
— 70-Yb-177g
- - - 70-Yb-177m6

MAT 7052

(n,2n)

70-Yb-177

Radionuclide Production Cross Section



70-Yb-177

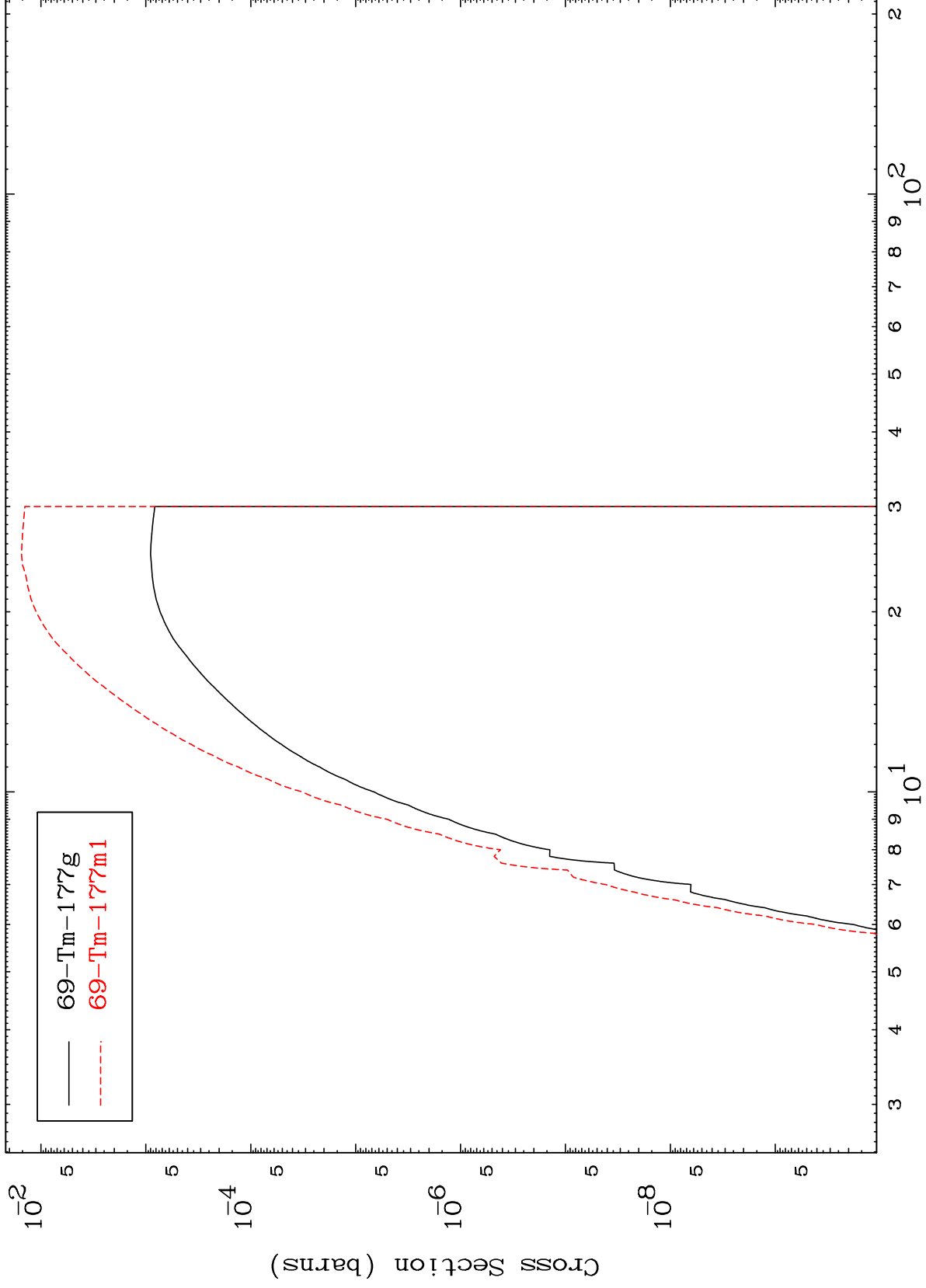
Incident Energy (MeV)

134

MAT 7052

⁷⁰Yb-177

(n,p)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

⁷⁰Yb-177