

Program EVALPLOT
(Version 2018-1)

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

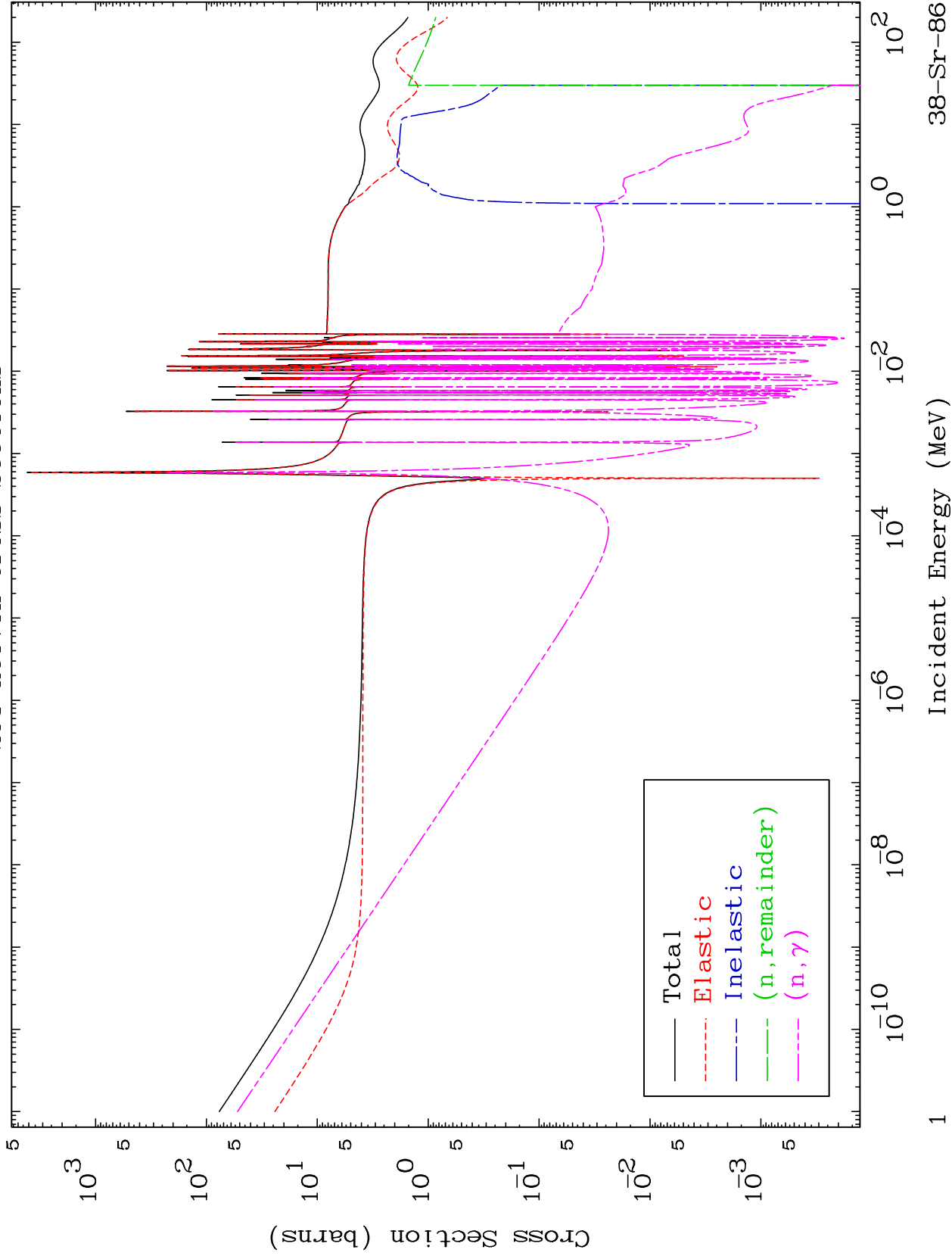
Press Mouse Button to Start

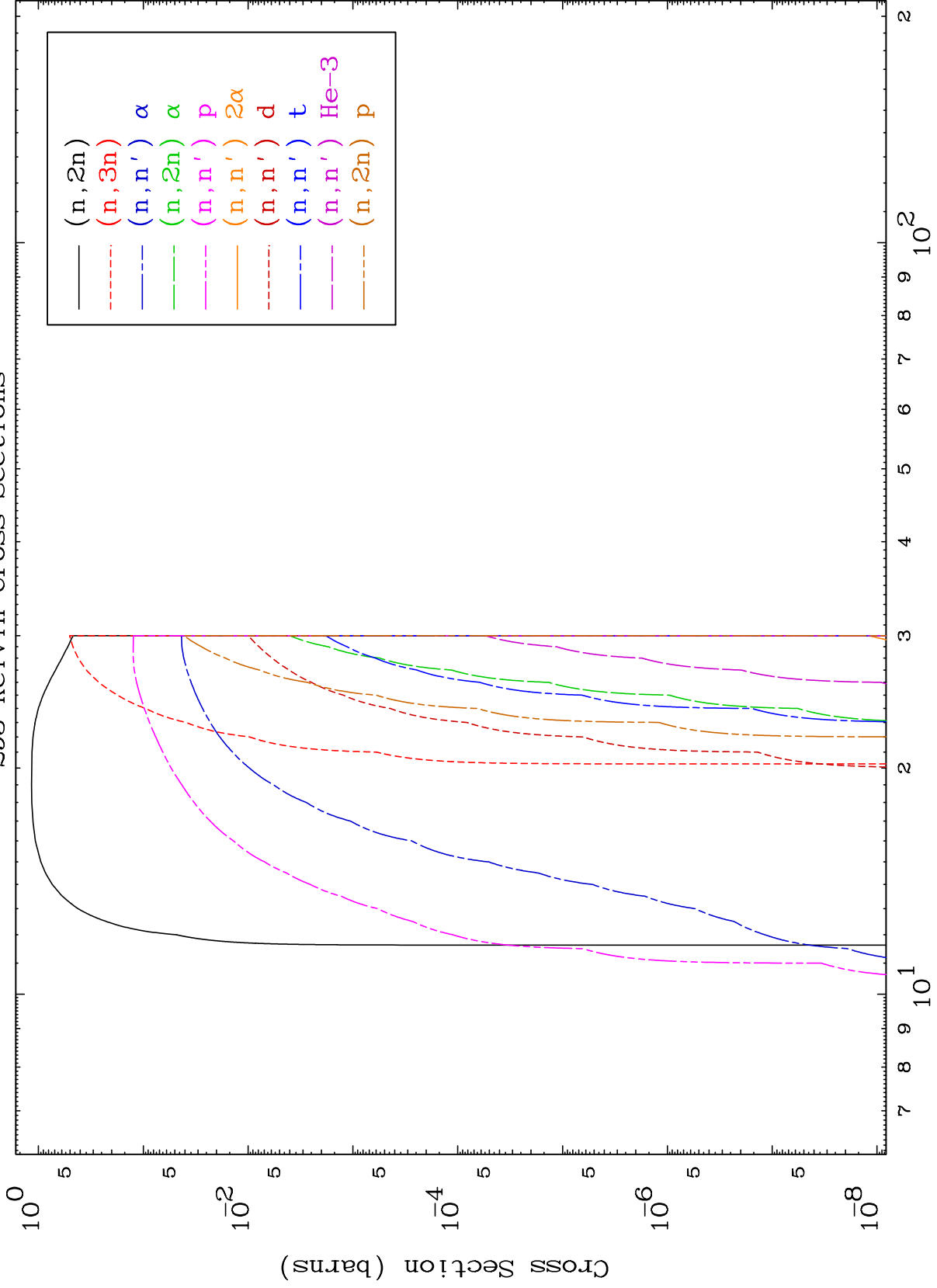
MAT 3831

Major

293 Kelvin Cross Sections

38-Sr-86

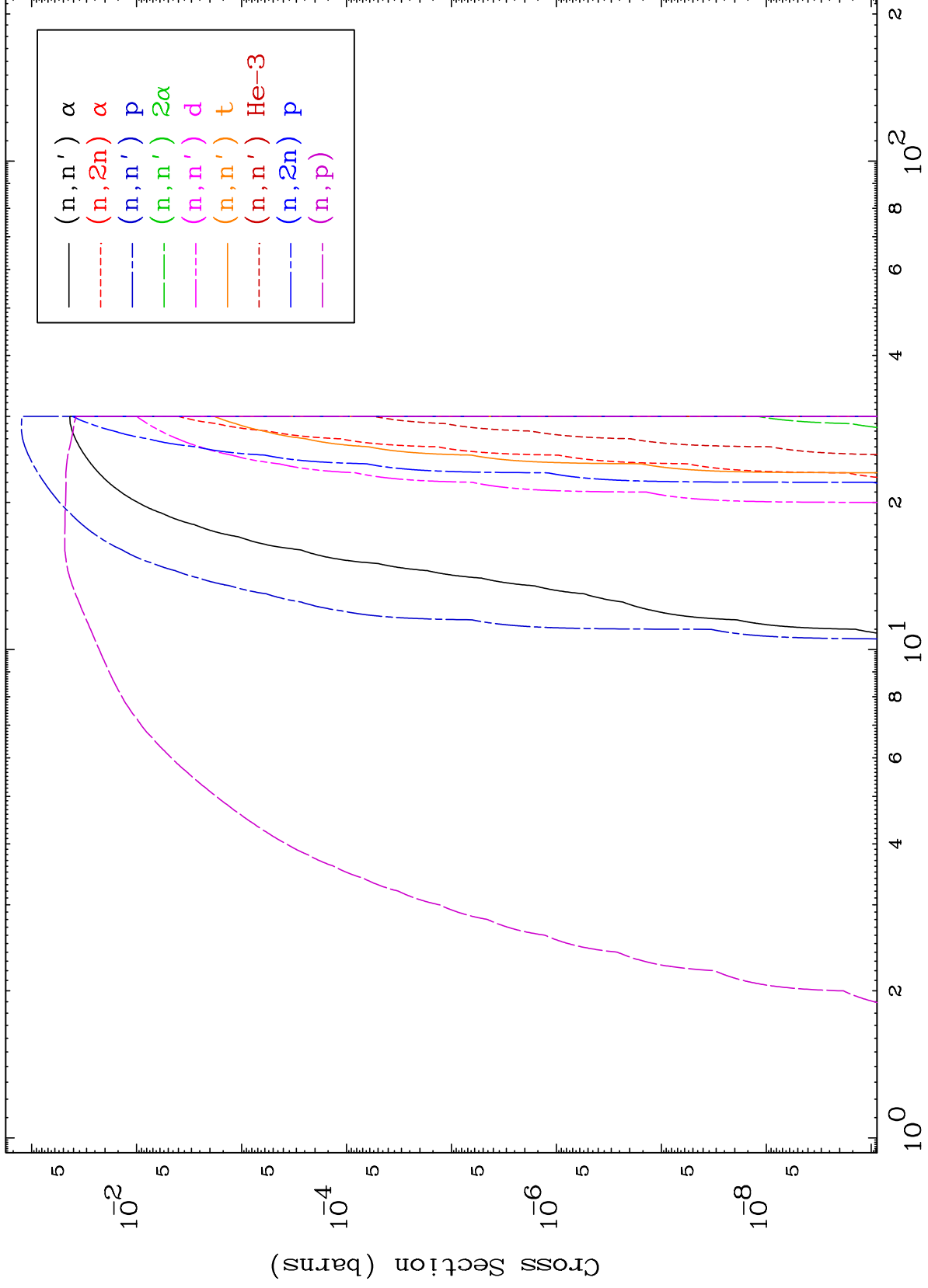




MAT 3831

Charged Particle
293 Kelvin Cross Sections

38-Sr-86



Incident Energy (MeV)

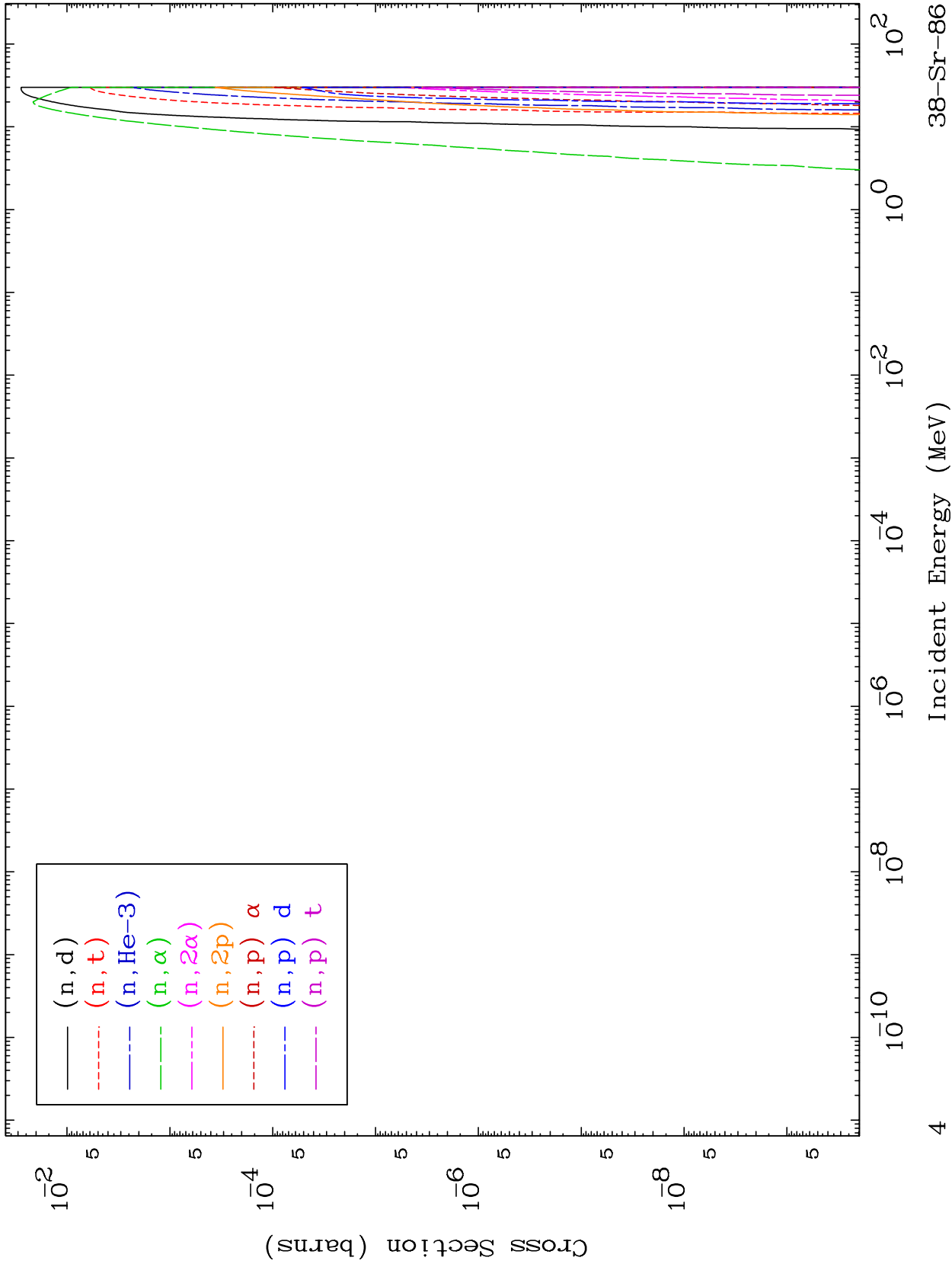
38-Sr-86

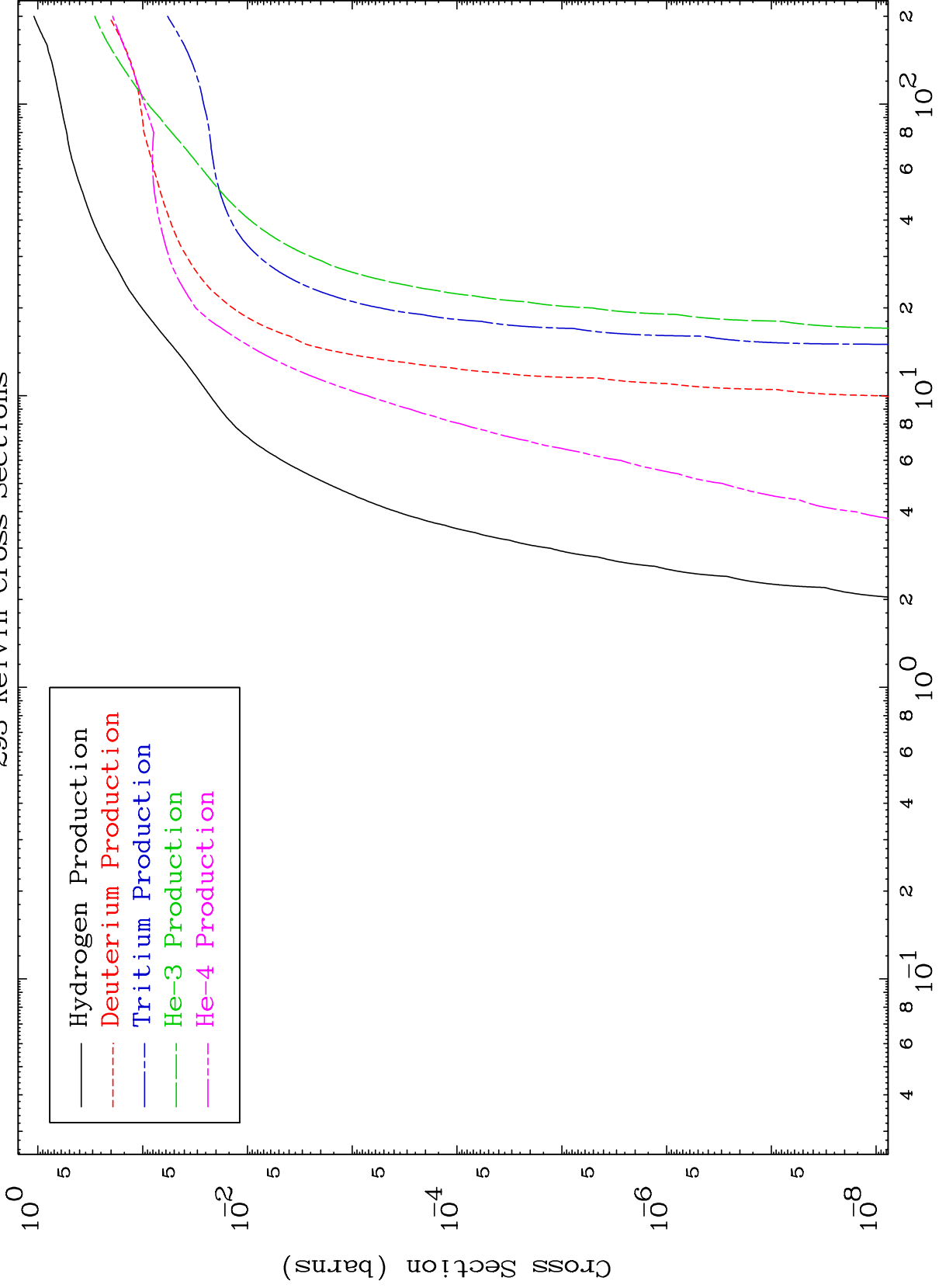
3

MAT 3831

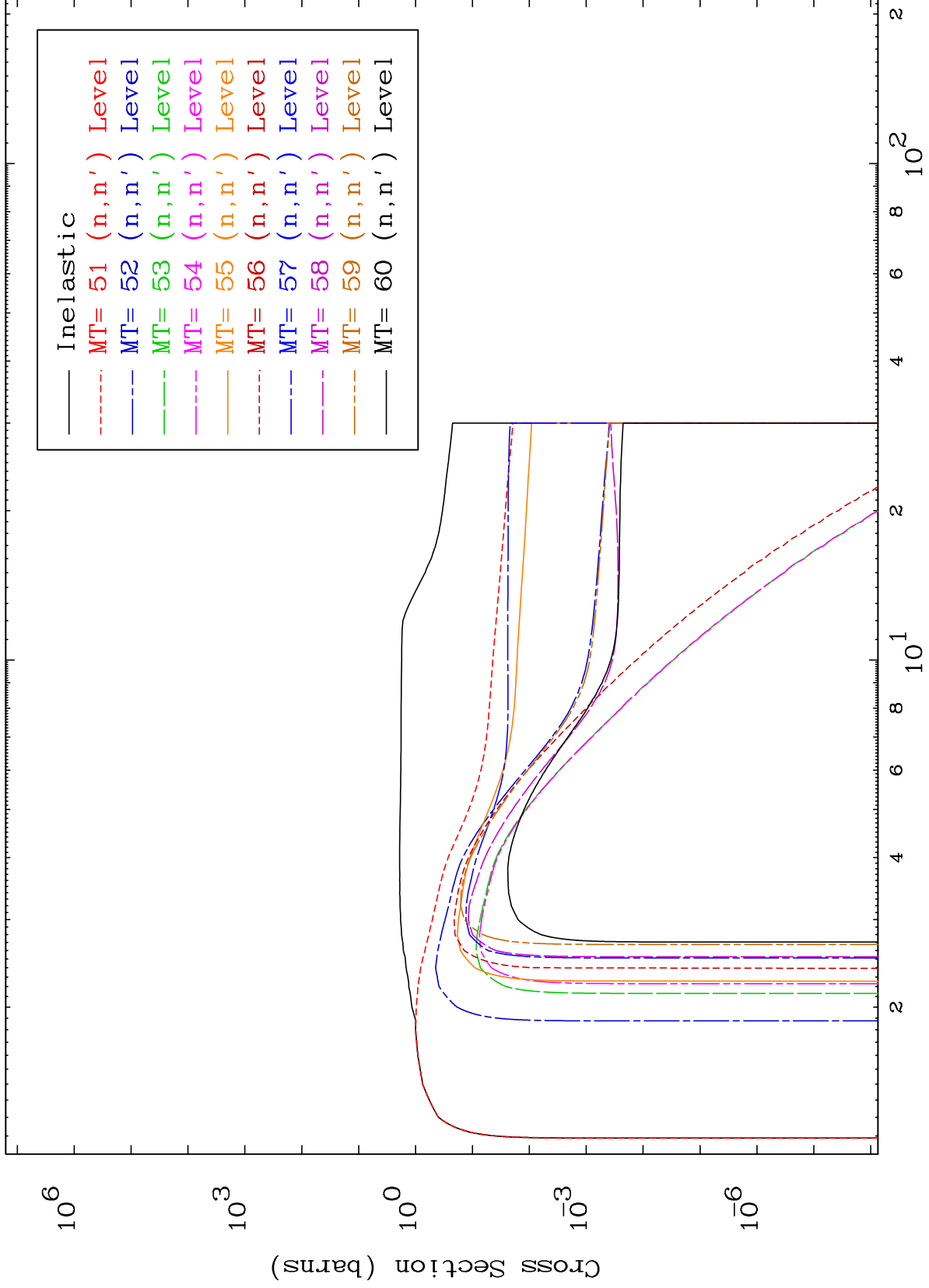
Charged Particle
293 Kelvin Cross Sections

38-Sr-86





293 Kelvin Cross Sections

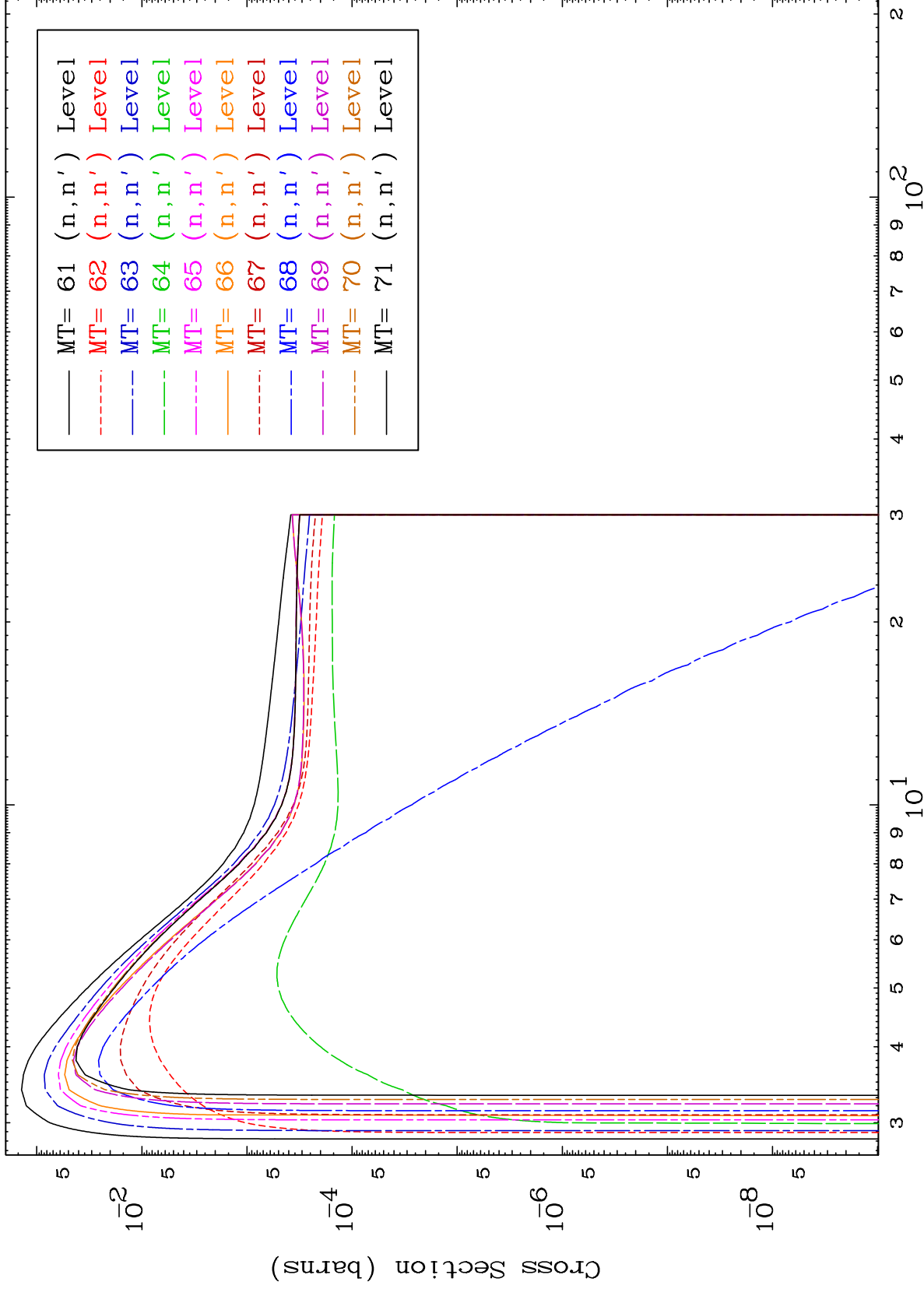


MAT 3831

(n,n') Level

38-Sr-86

293 Kelvin Cross Sections

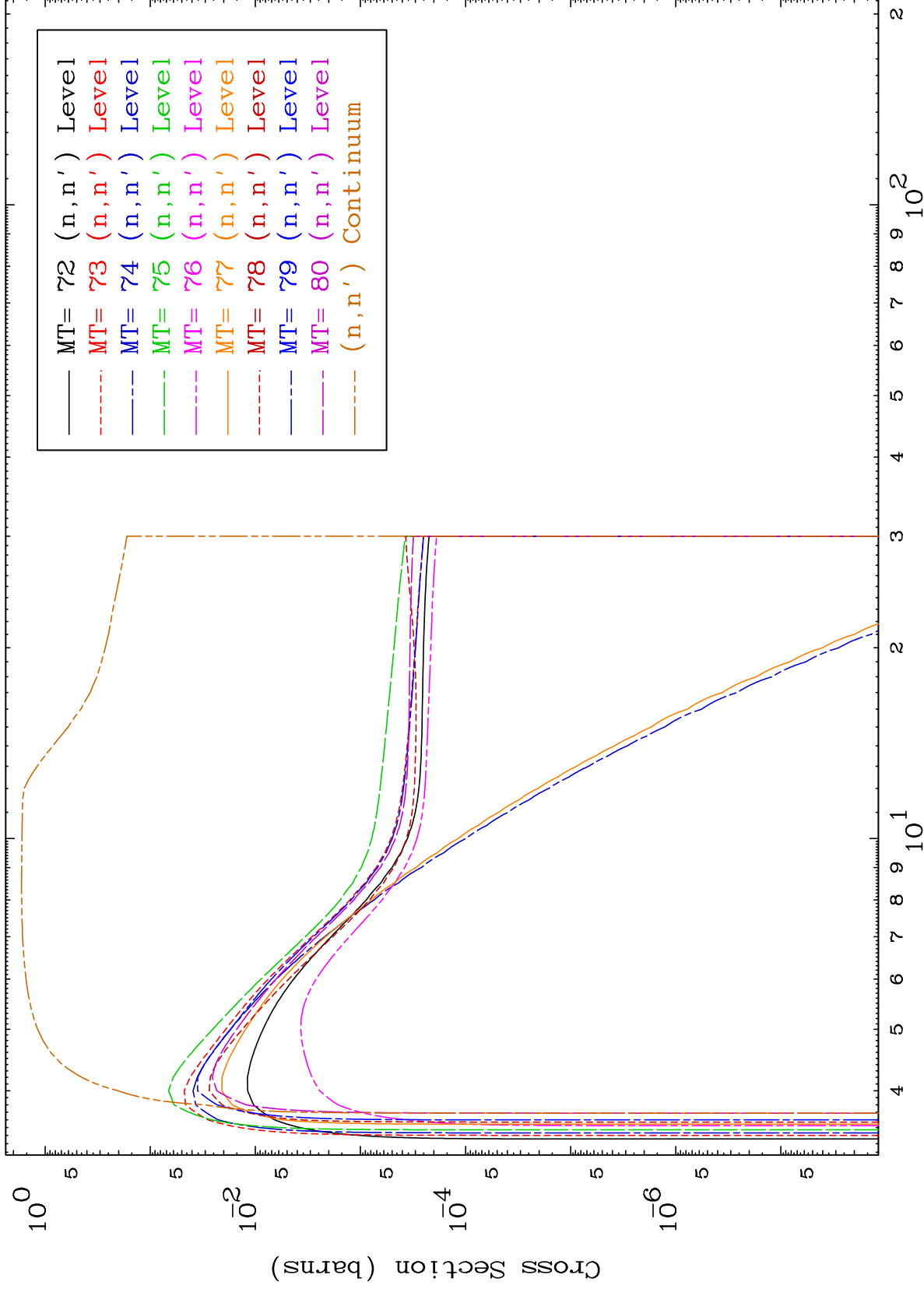


7

Incident Energy (MeV)

38-Sr-86

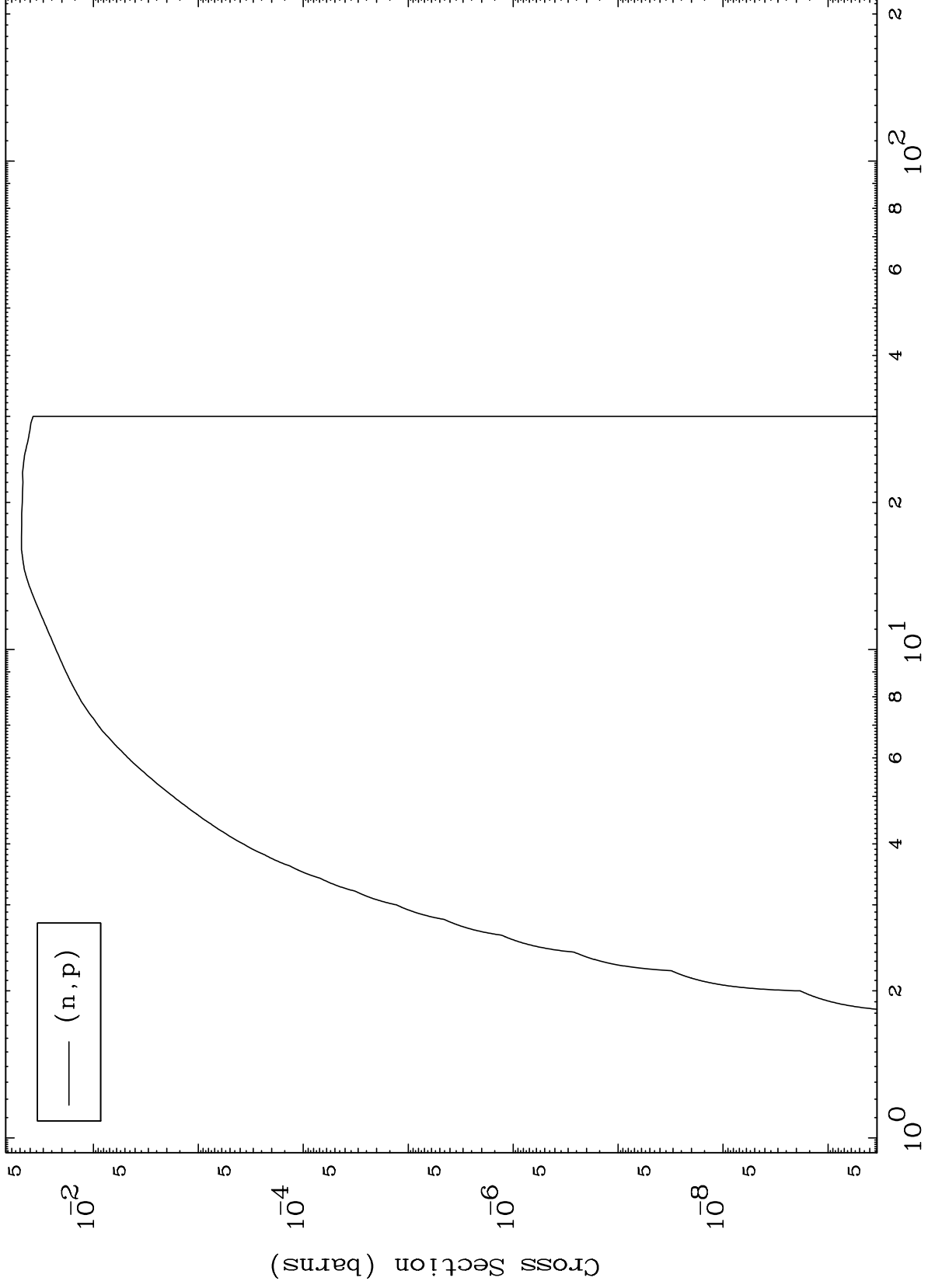
293 Kelvin Cross Sections



MAT 3831

(n,p) Levels
293 Kelvin Cross Sections

38-Sr-86



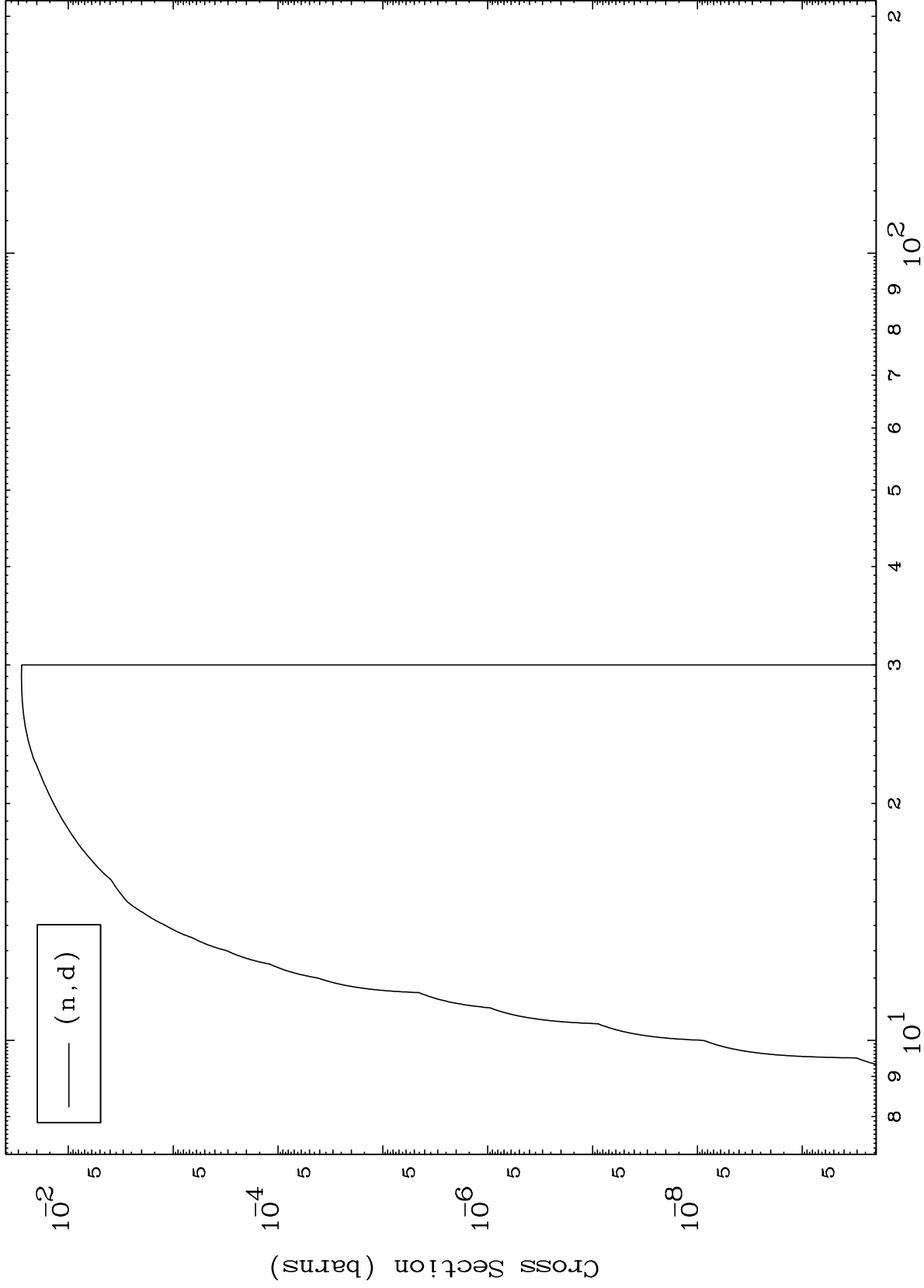
Incident Energy (MeV)

38-Sr-86

MAT 3831

(n,d) Levels
293 Kelvin Cross Sections

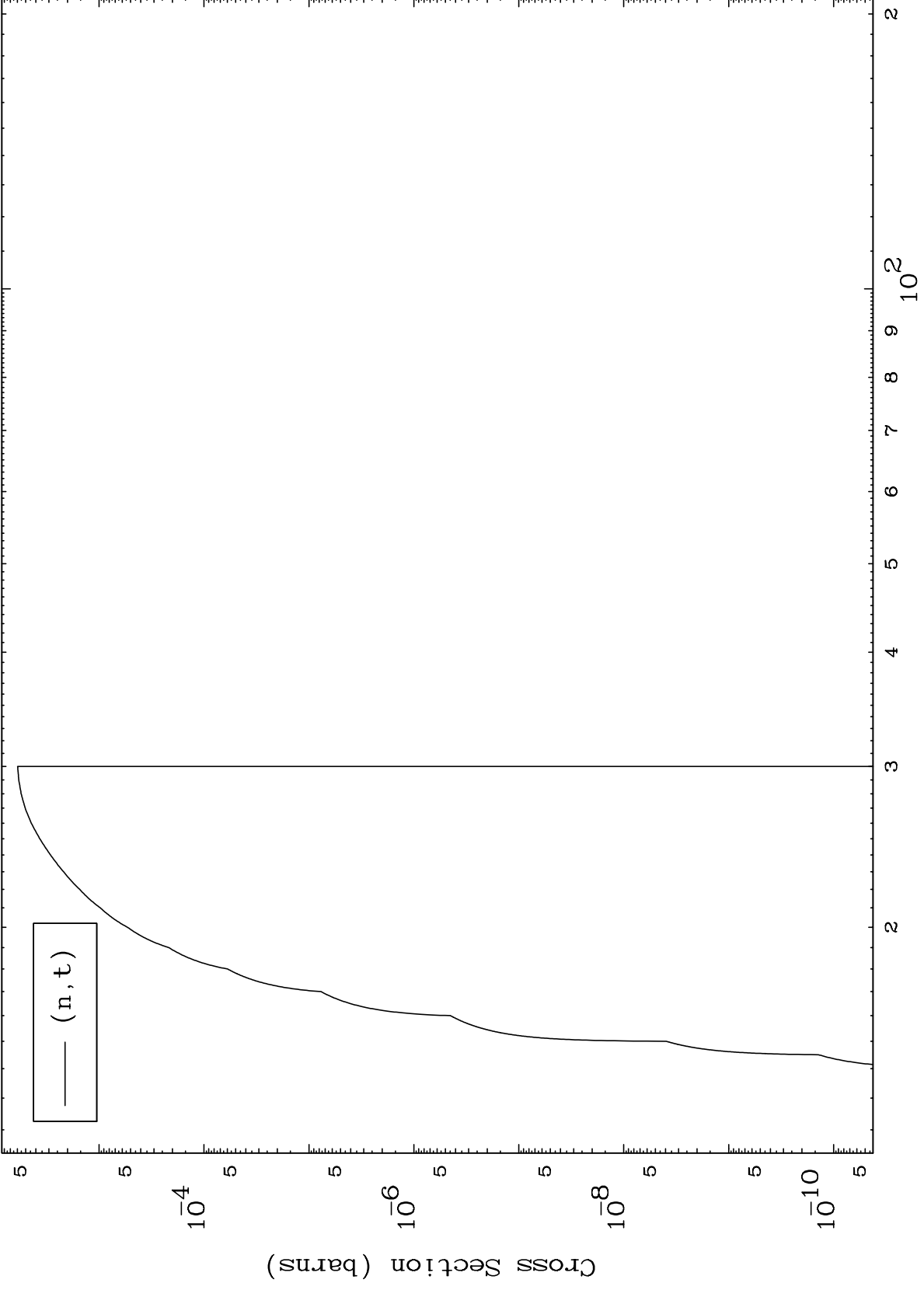
38-Sr-86



10

Incident Energy (MeV)

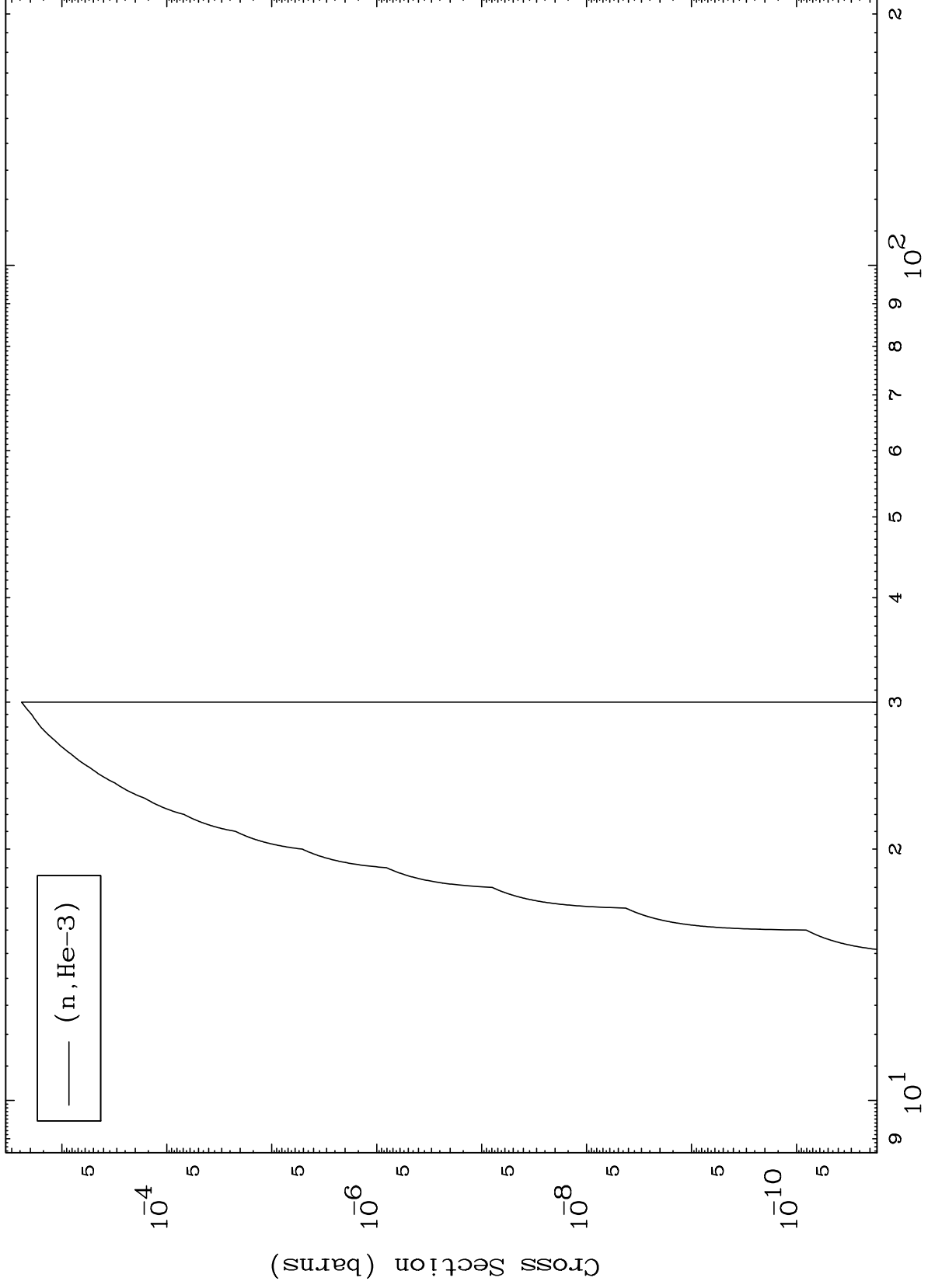
38-Sr-86



MAT 3831

(n,He3) Levels
293 Kelvin Cross Sections

38-Sr-86



12

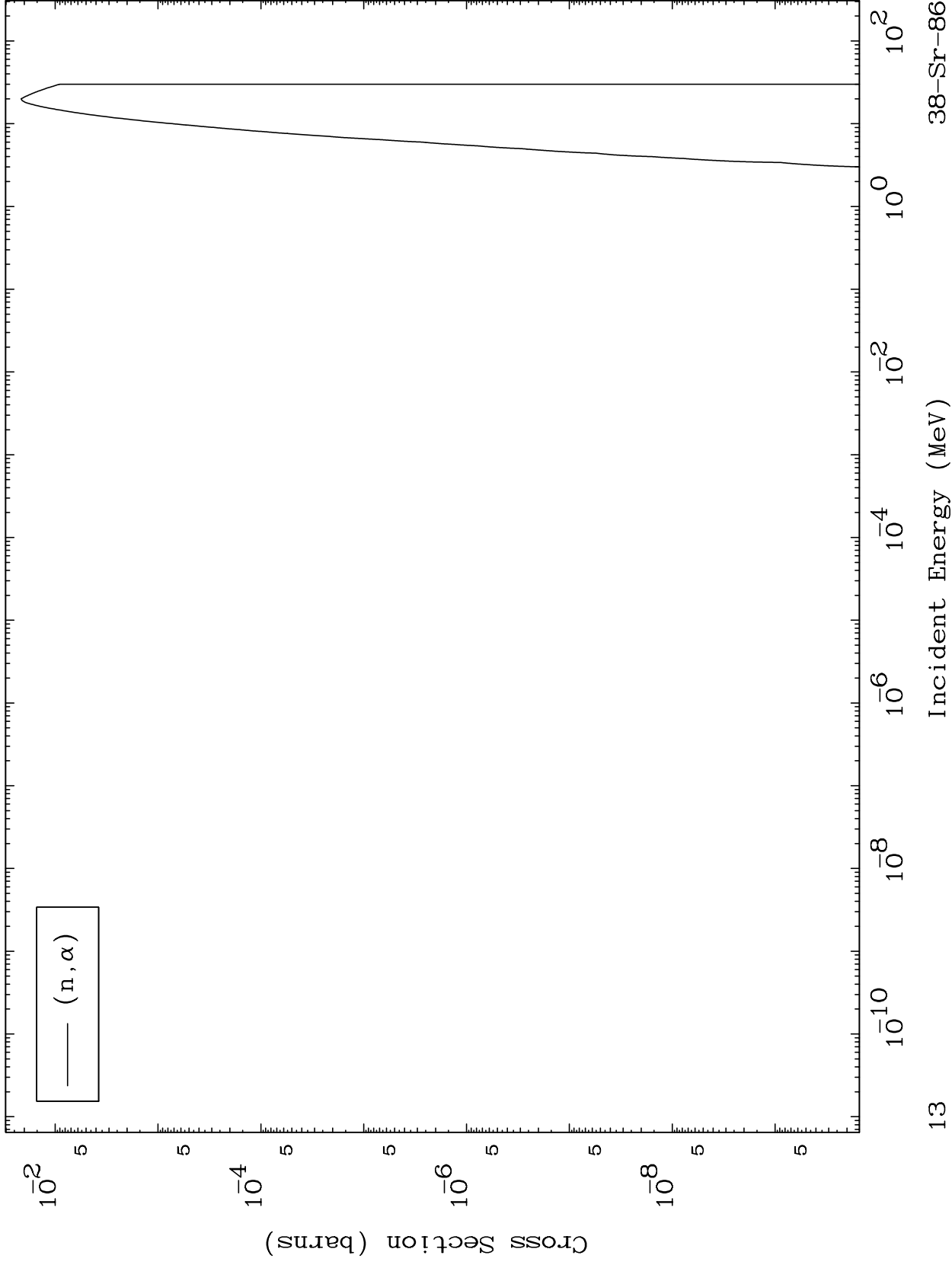
Incident Energy (MeV)

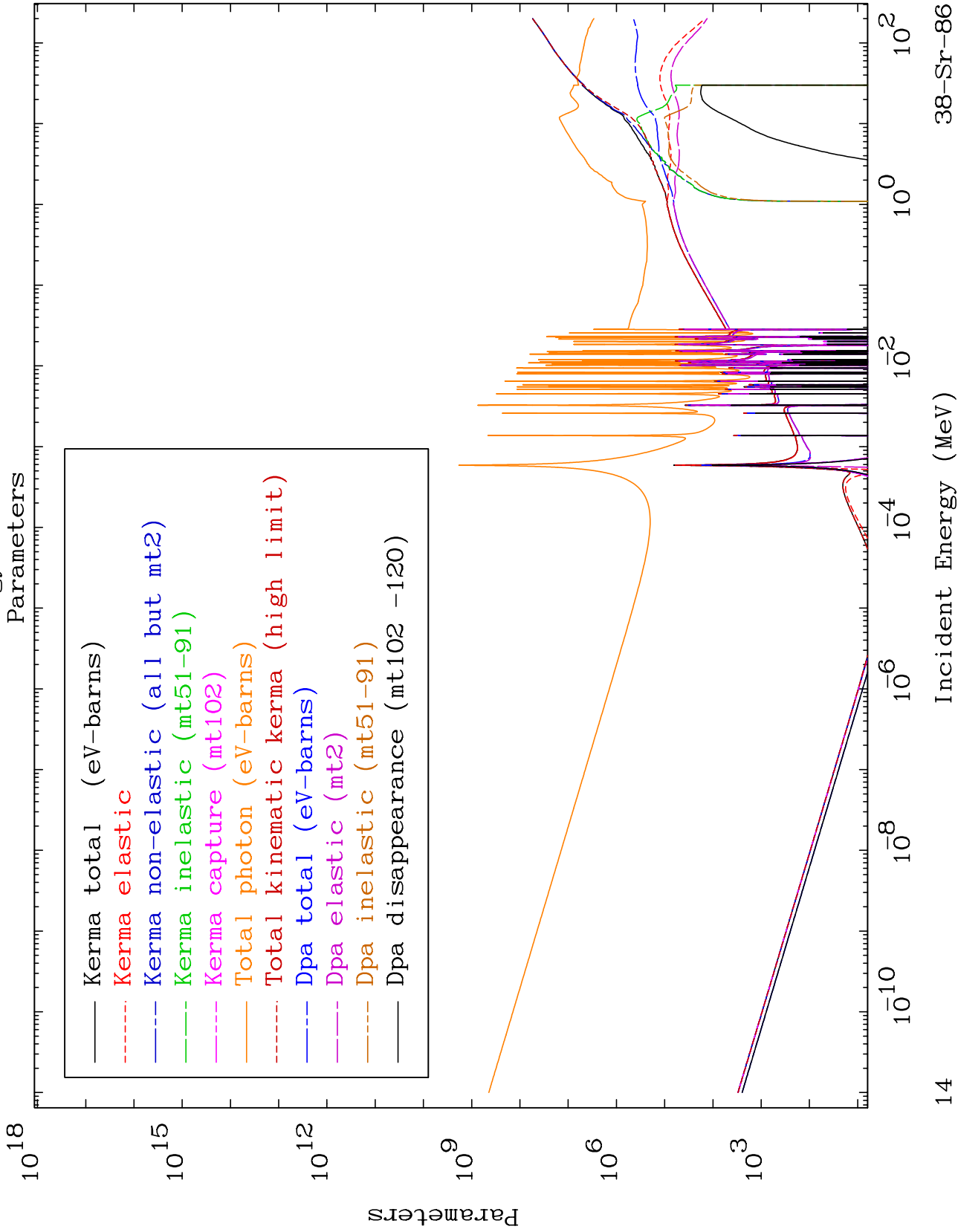
38-Sr-86

MAT 3831

(n, α) Levels
293 Kelvin Cross Sections

38-Sr-86

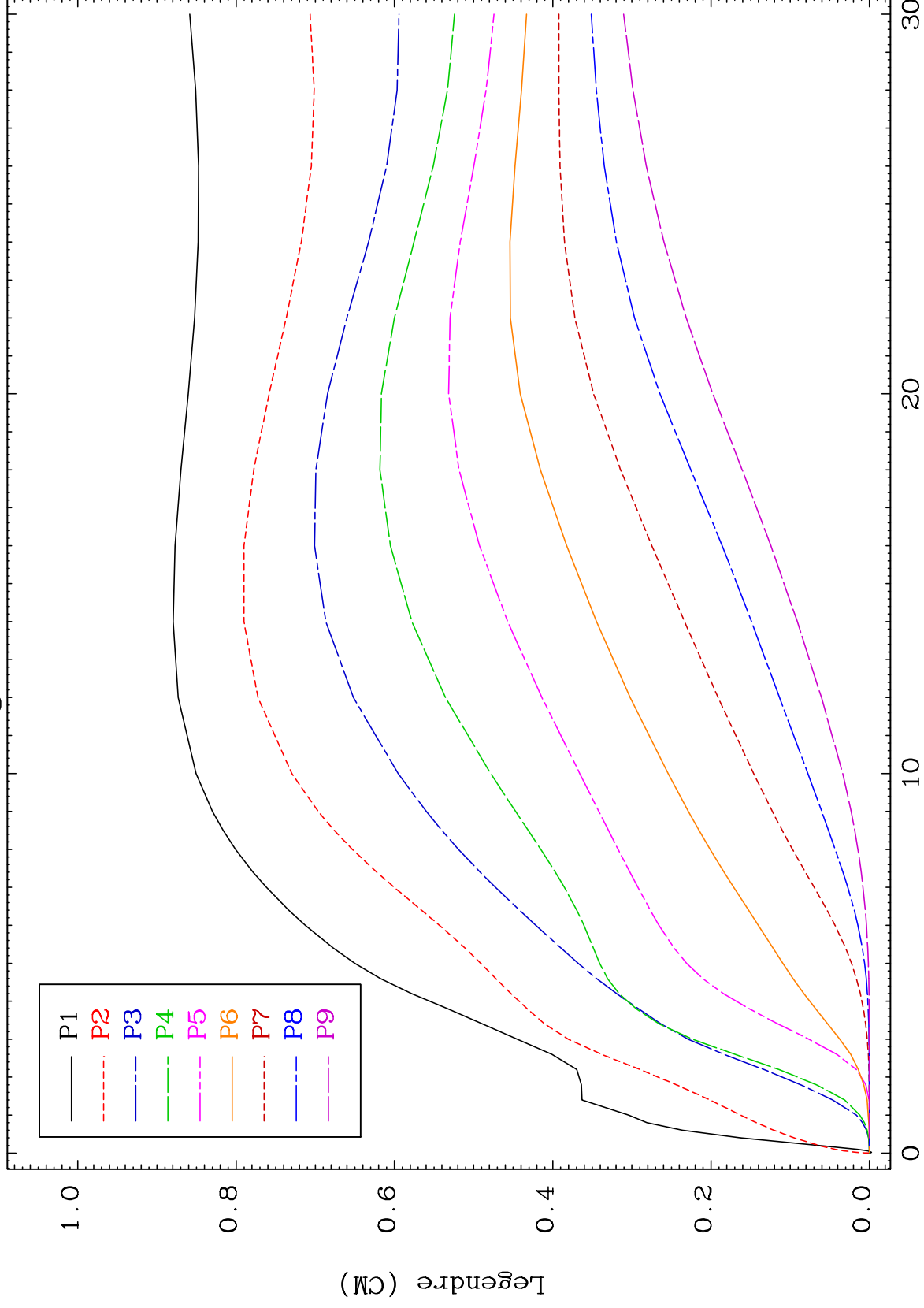




MAT 3831

Elastic Legendre Coefficients

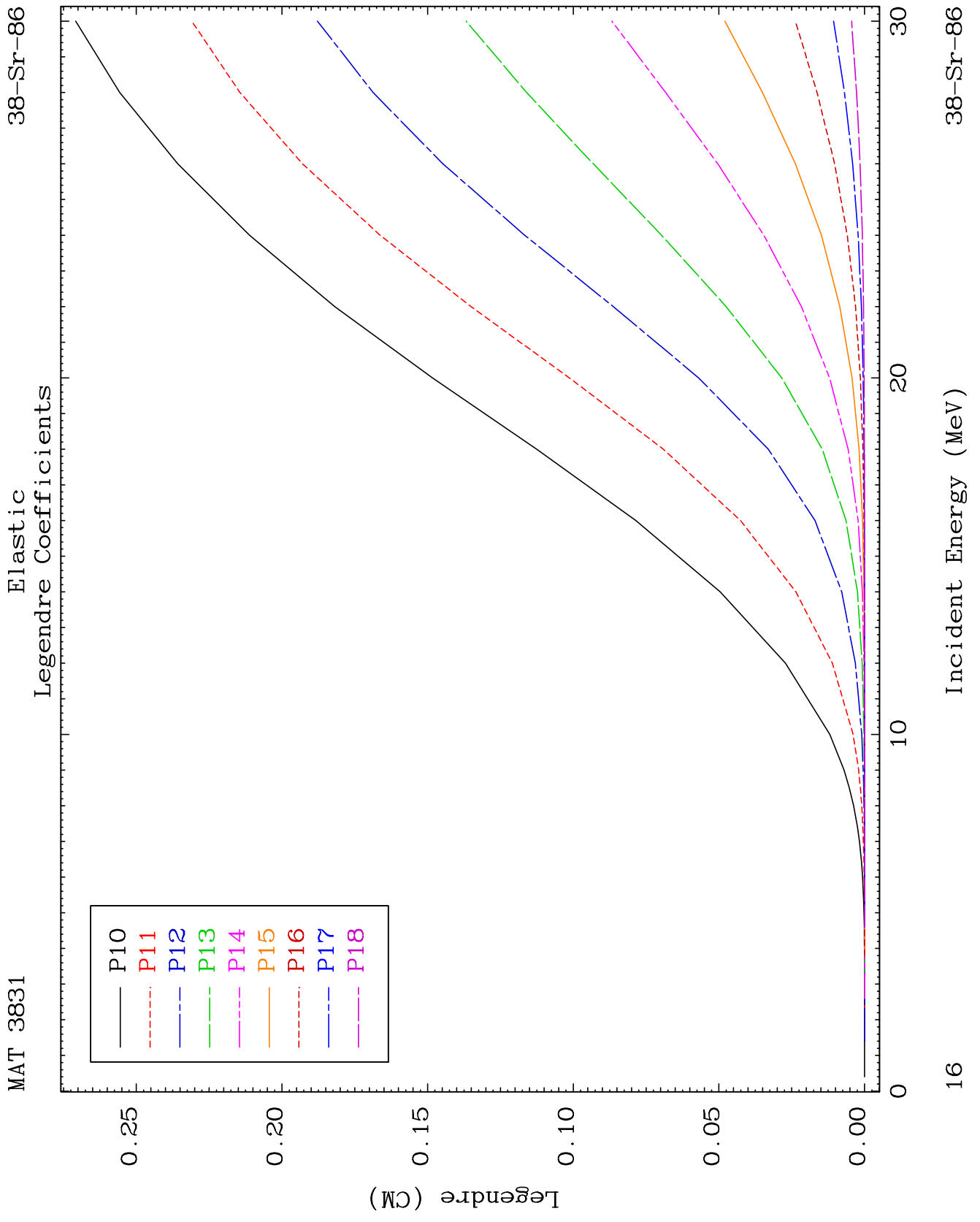
38-Sr-86



15

Incident Energy (MeV)

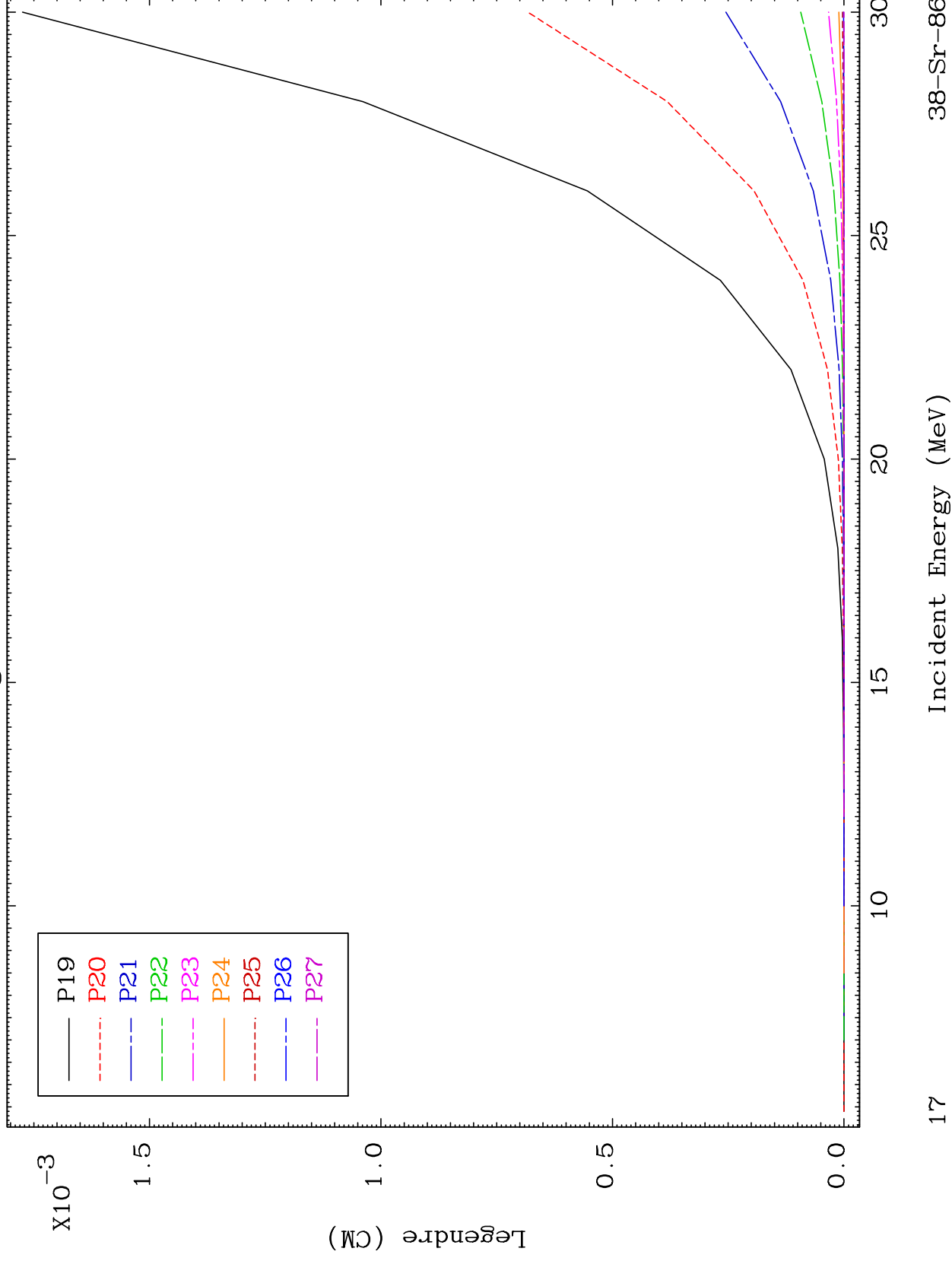
38-Sr-86



MAT 3831

Elastic Legendre Coefficients

38-Sr-86



17

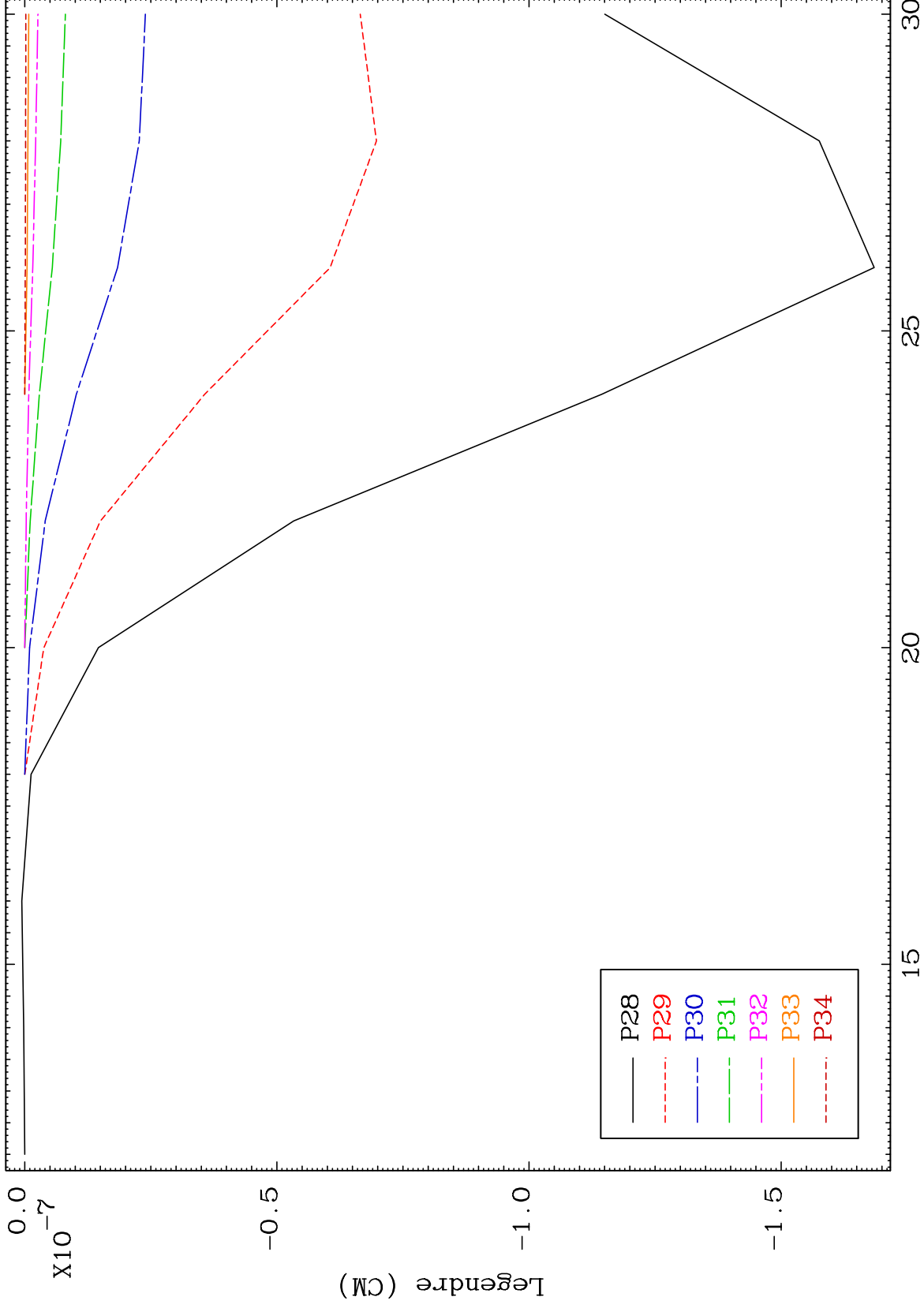
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

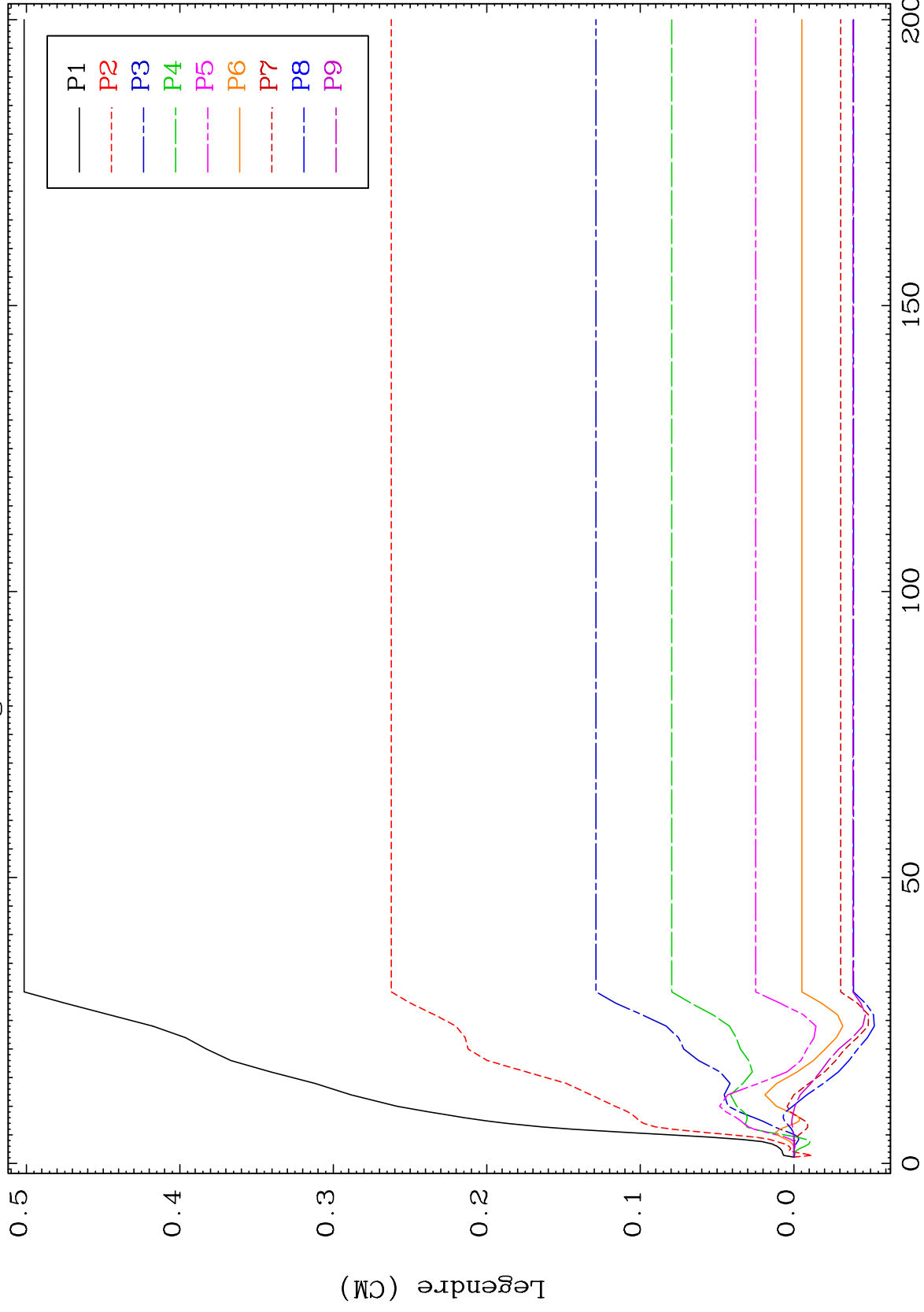
Elastic Legendre Coefficients



18

Incident Energy (MeV)

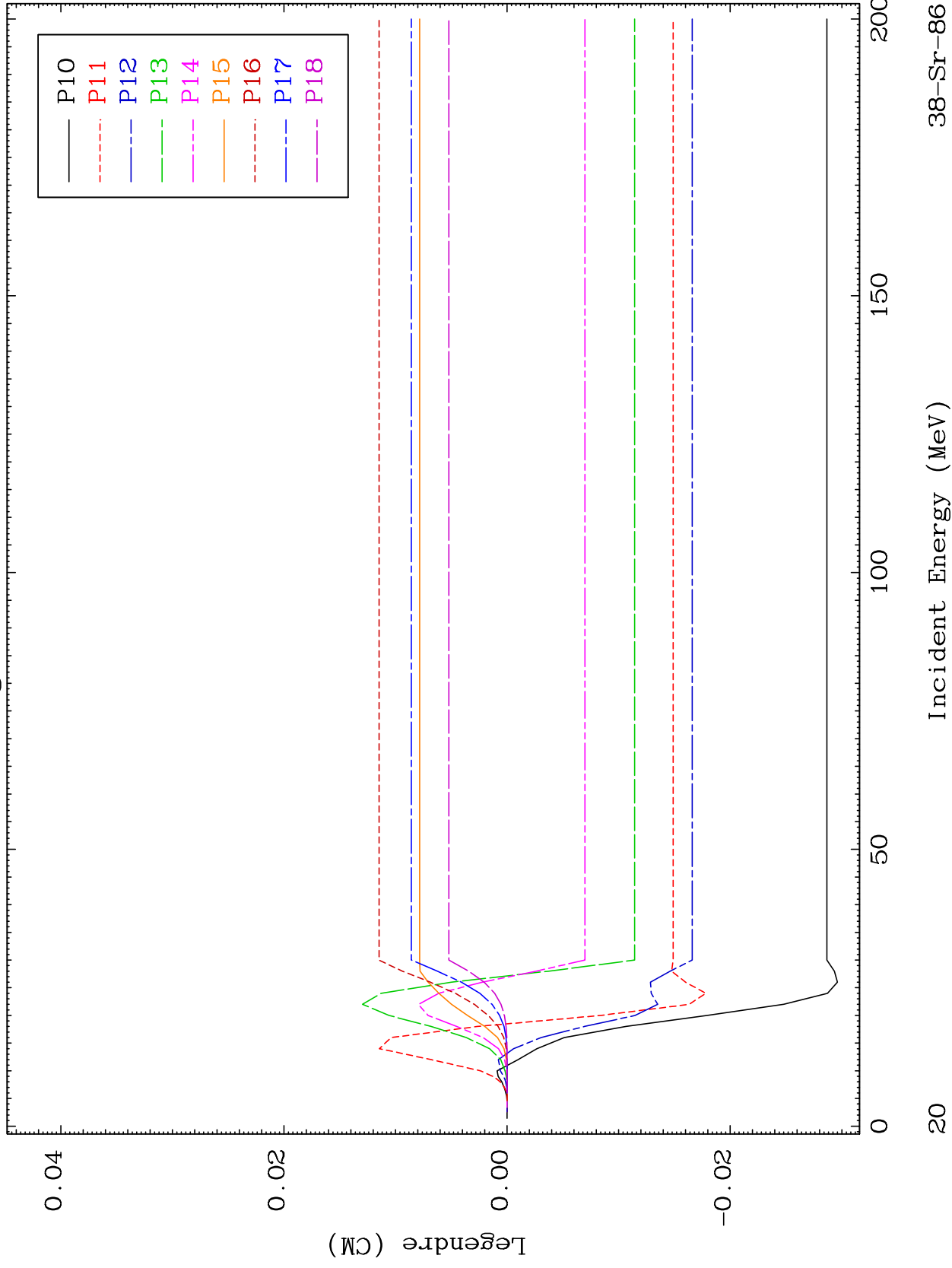
38-Sr-86



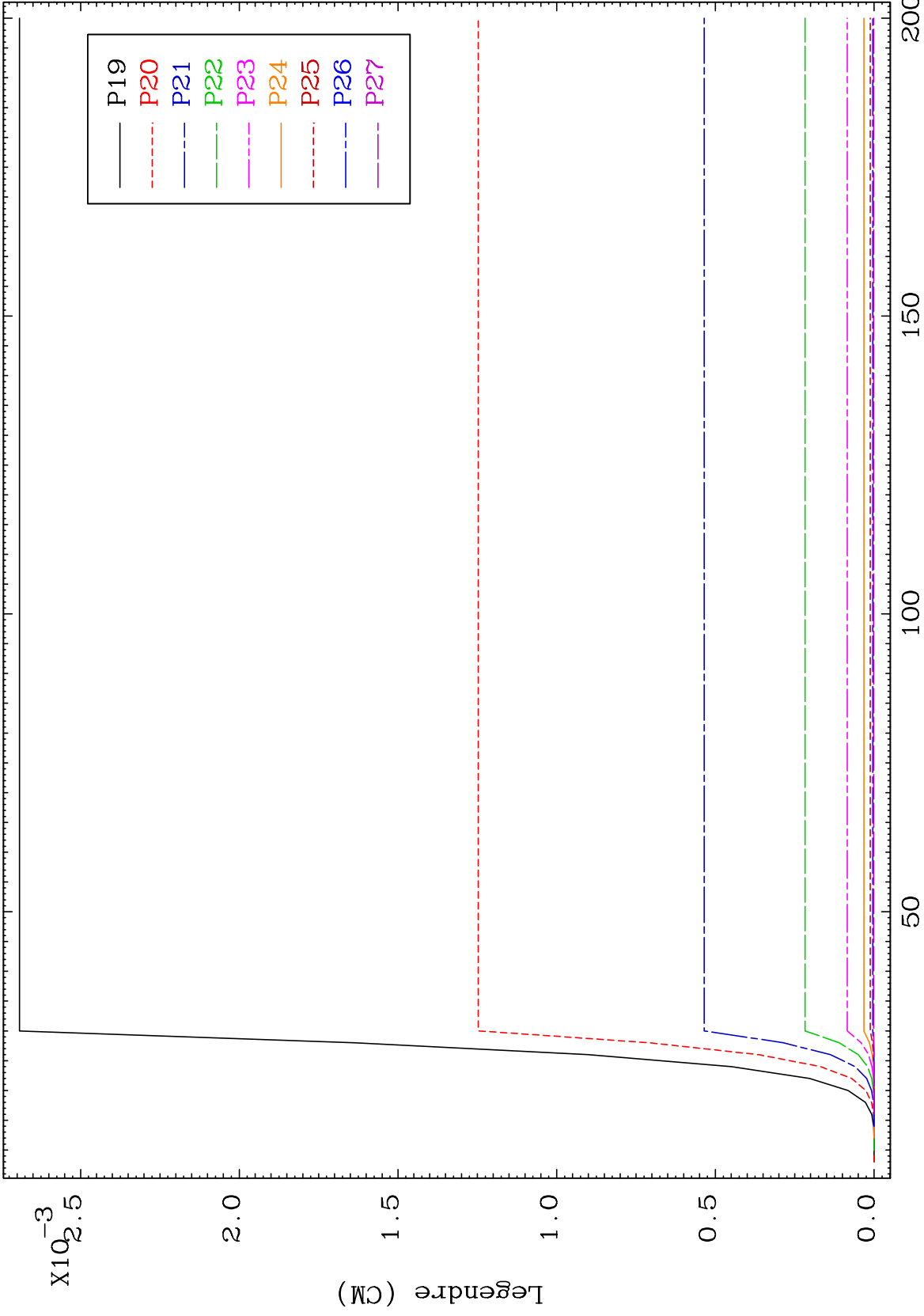
MAT 3831

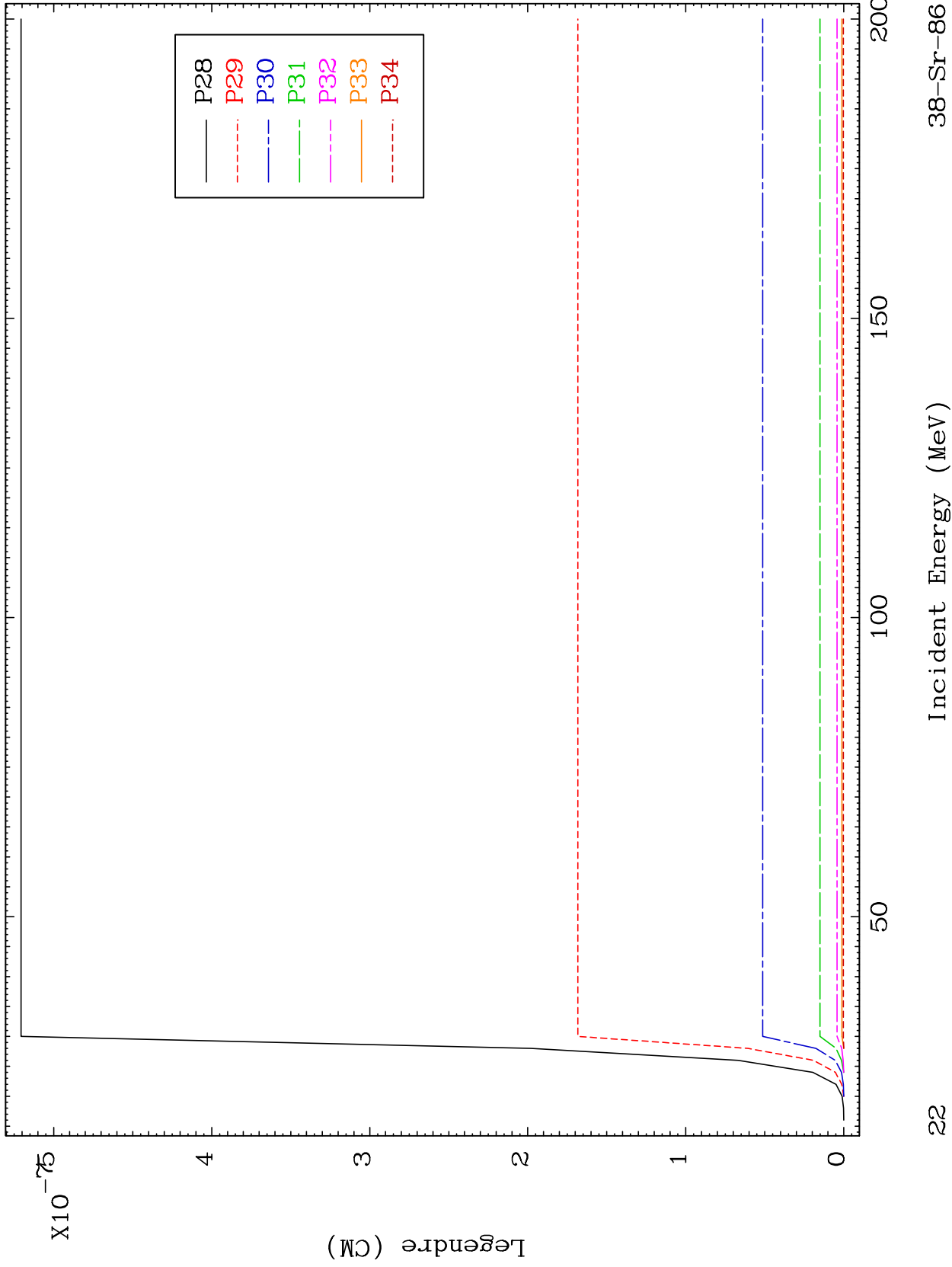
MT= 51 (n,n') Level
Legendre Coefficients

38-Sr-86



38-Sr-86

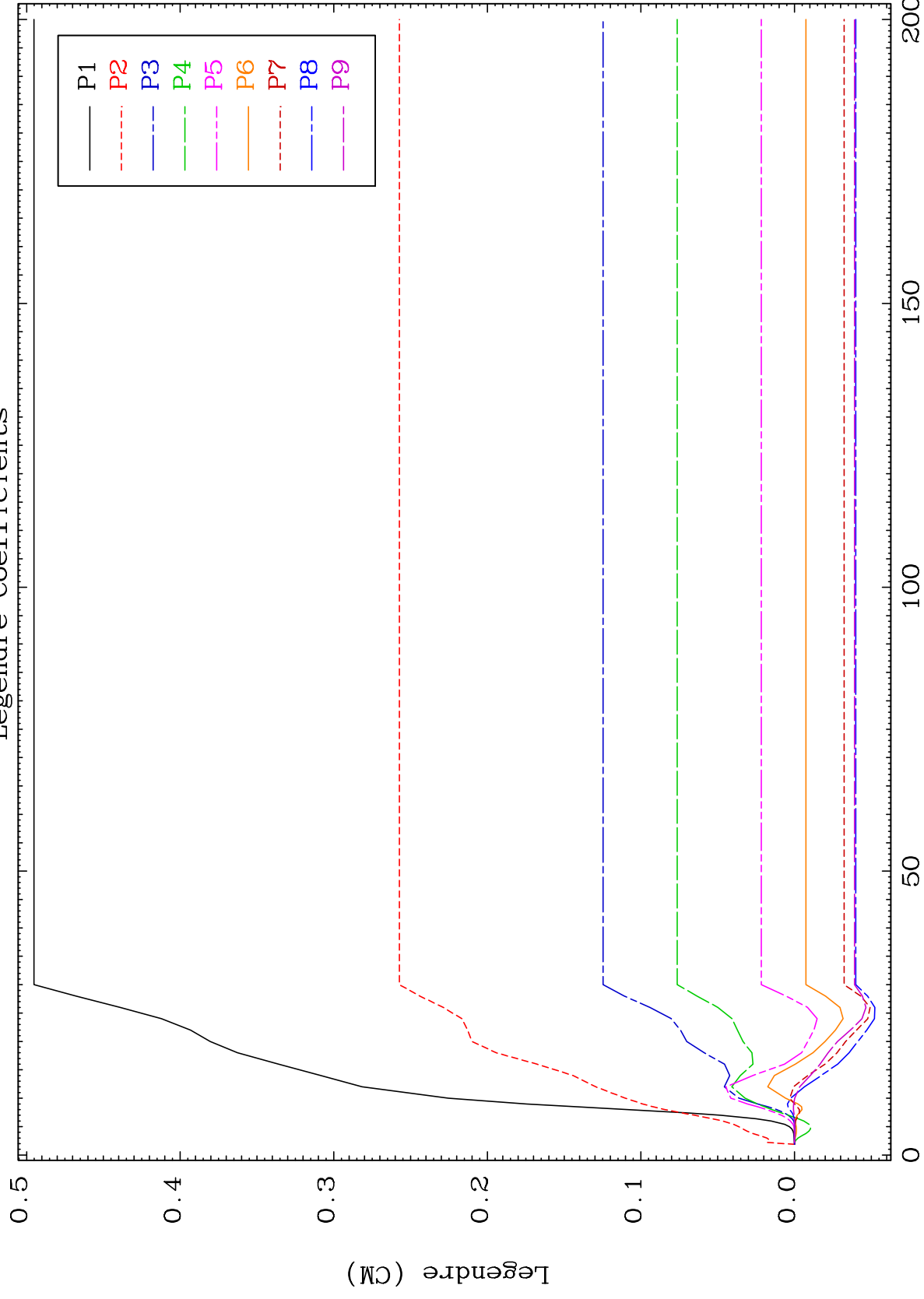




MAT 3831

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

38-Sr-86



23

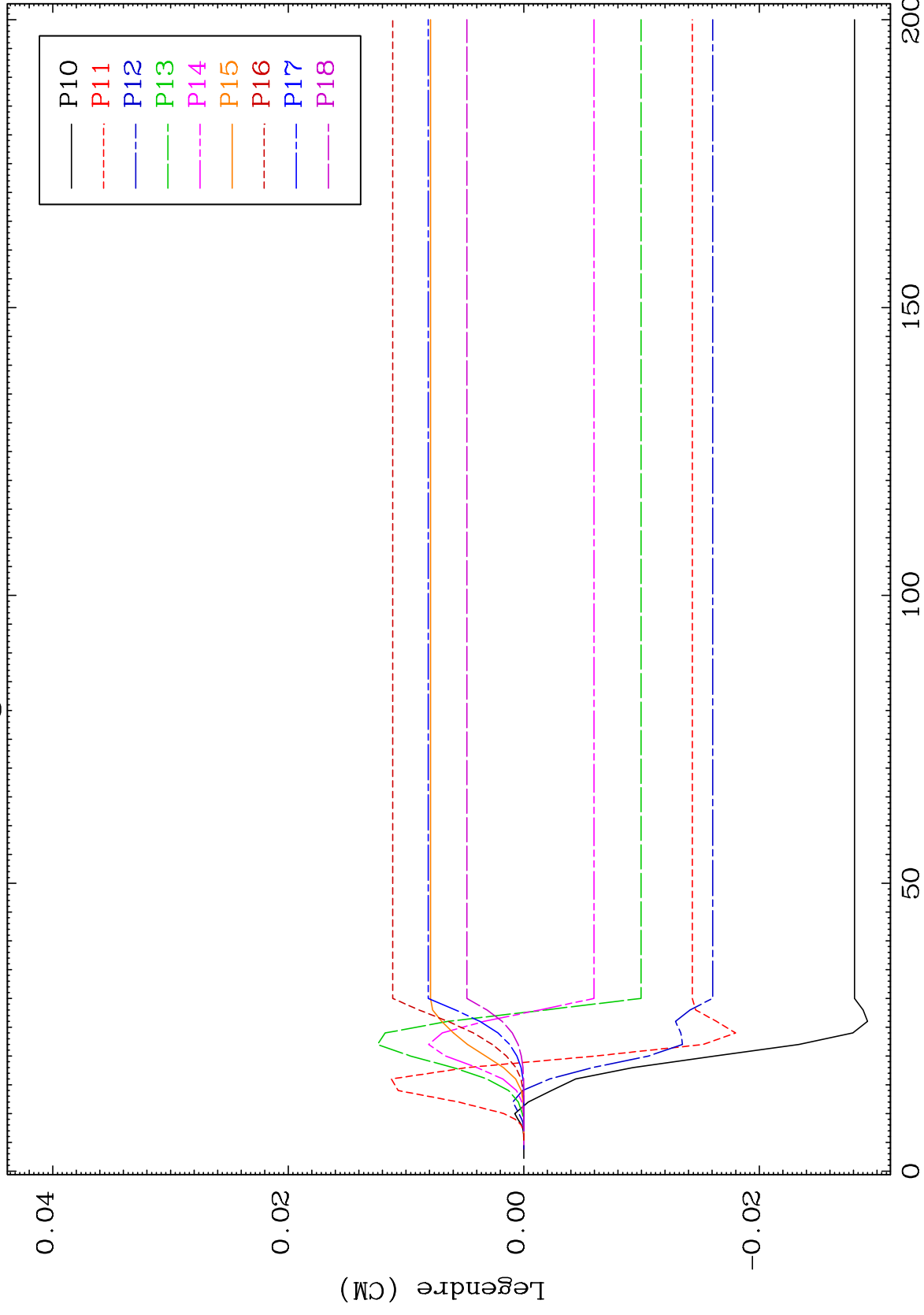
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



24

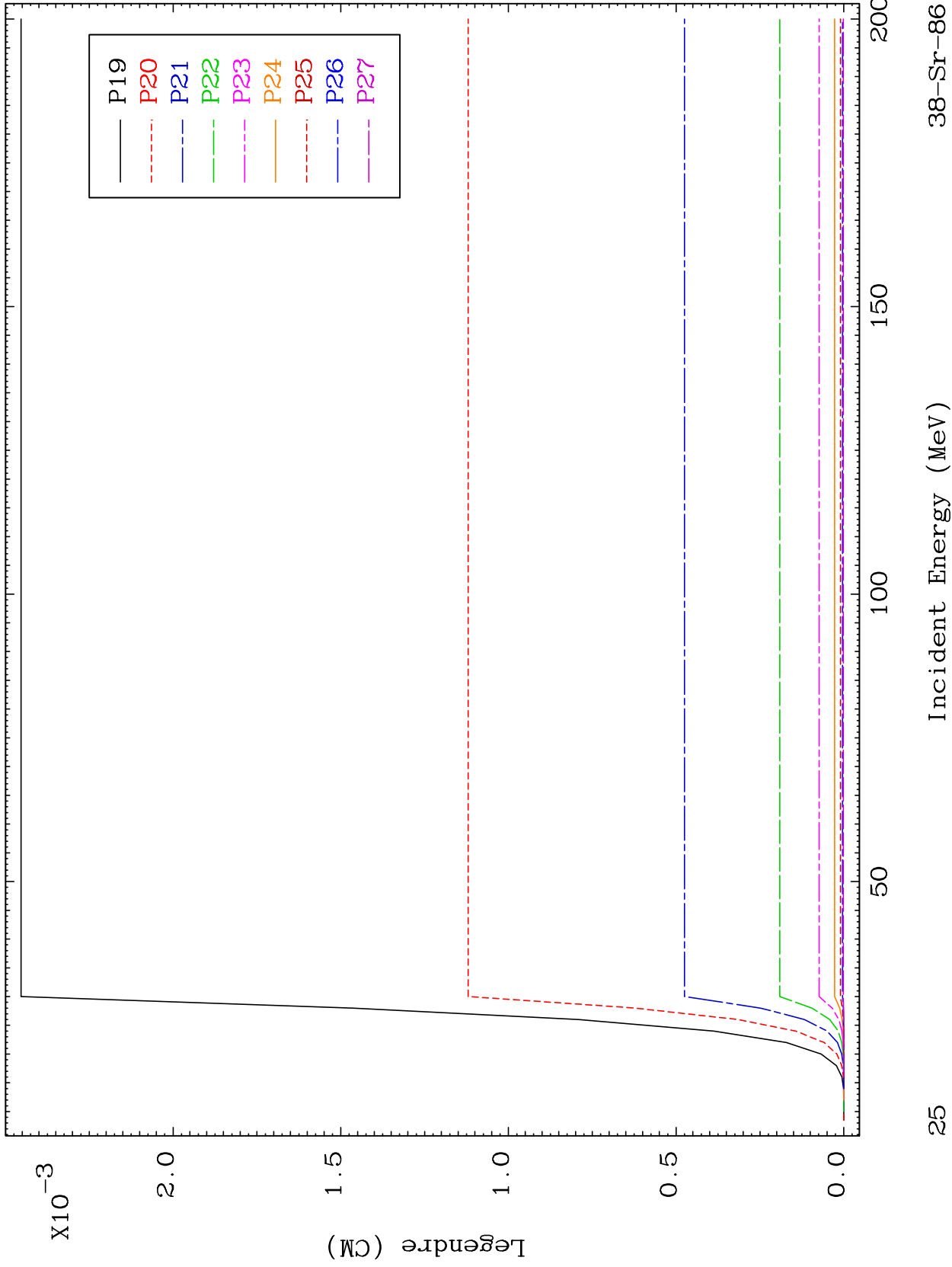
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



25

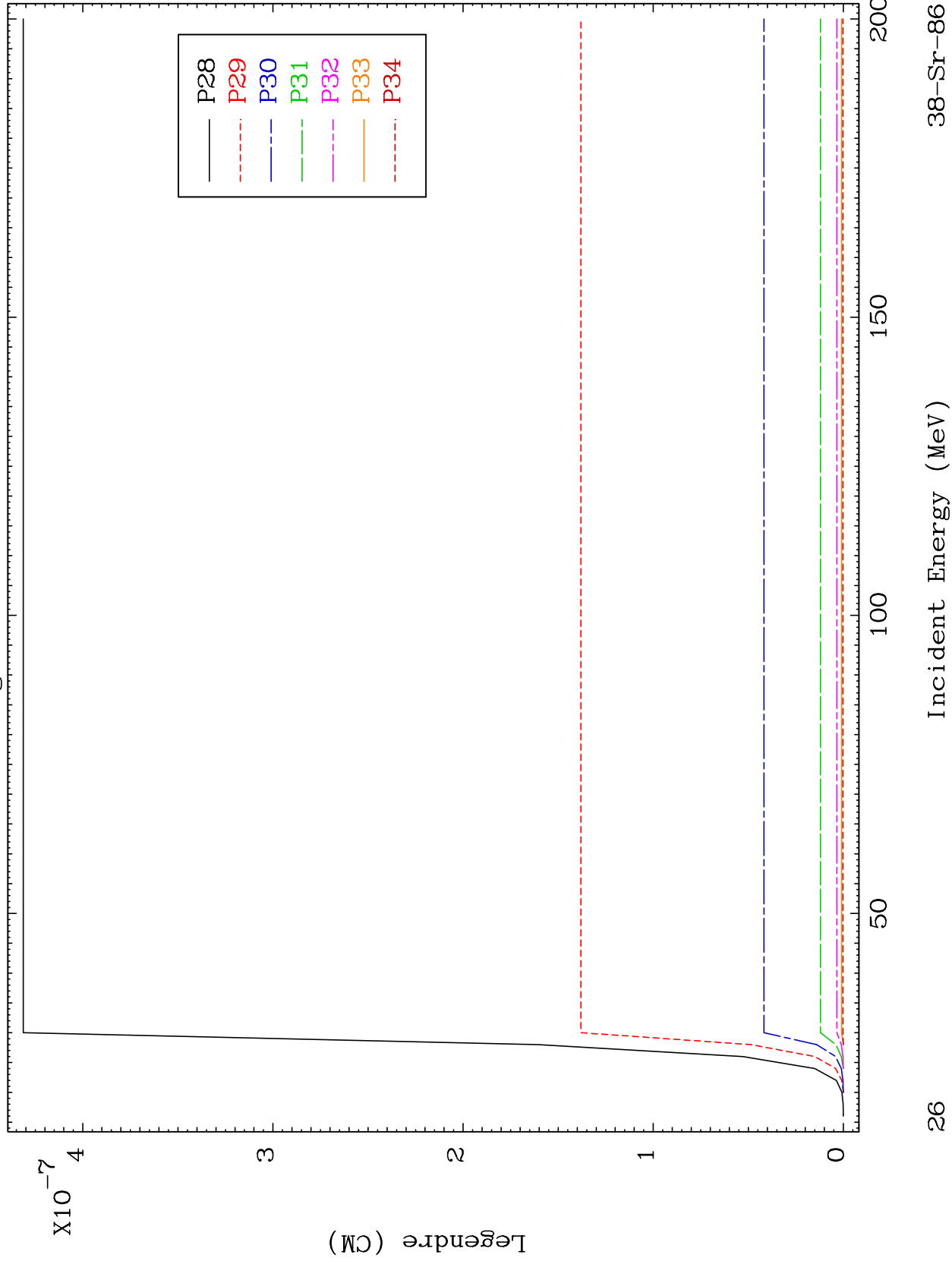
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



26

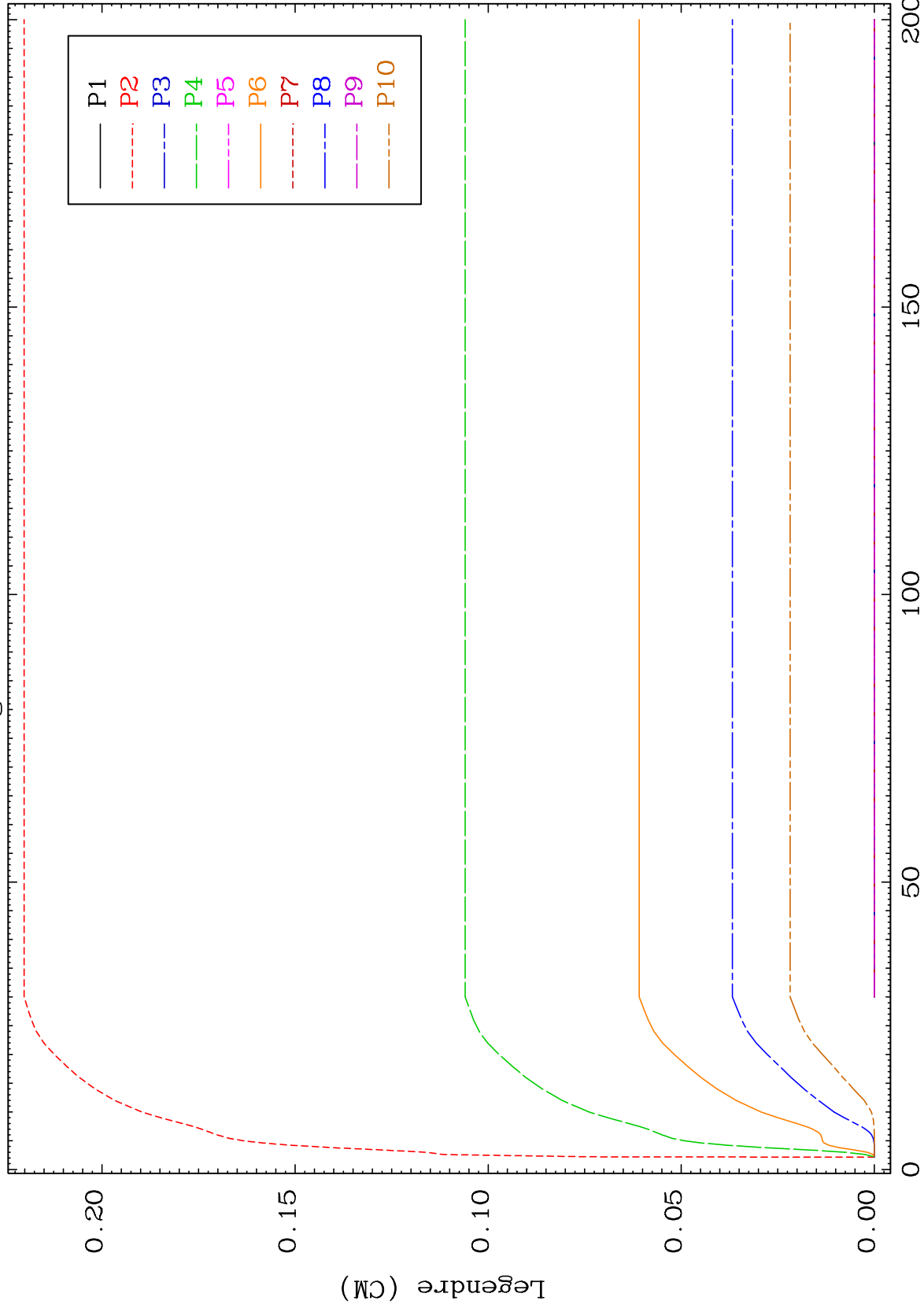
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



27

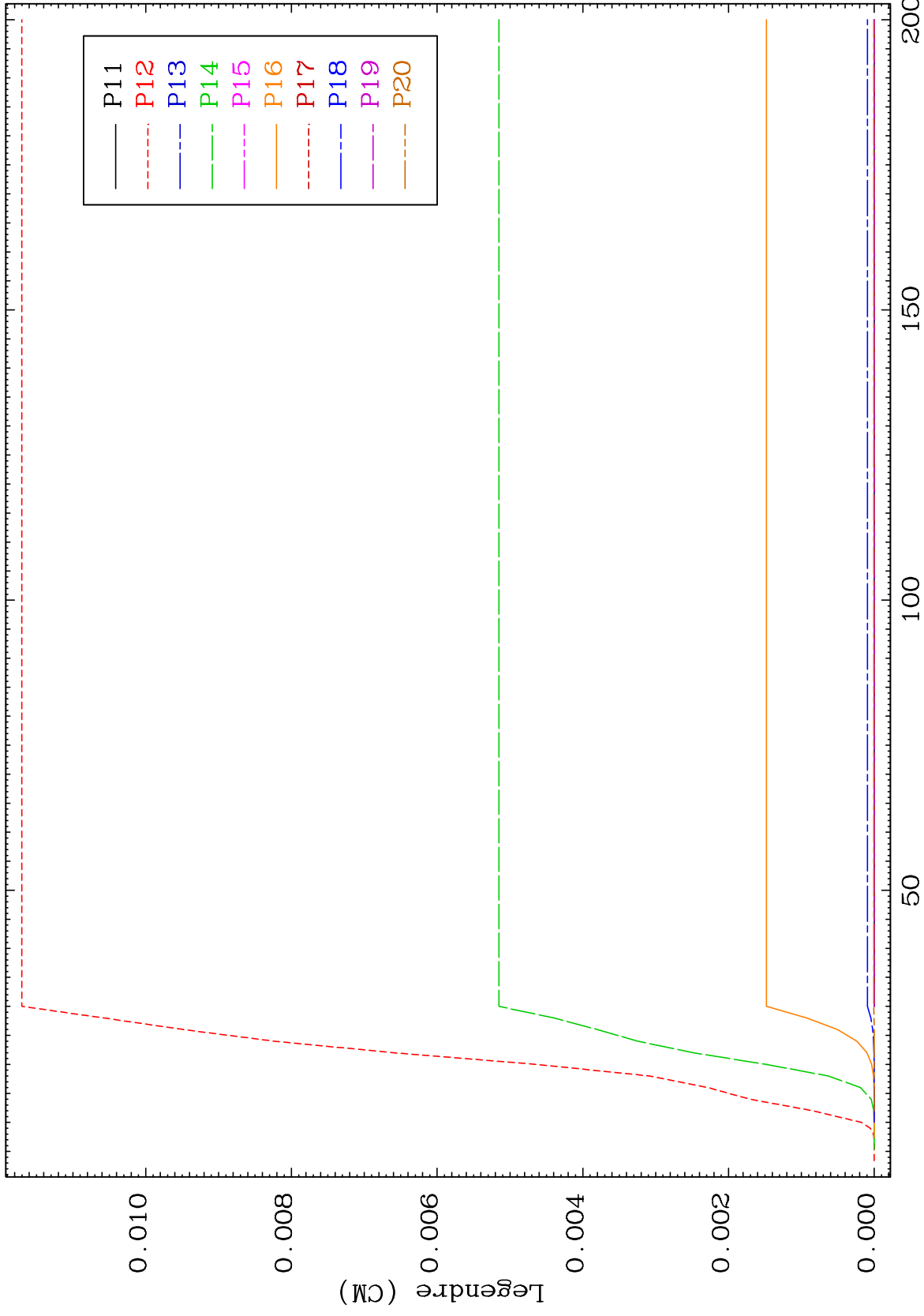
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

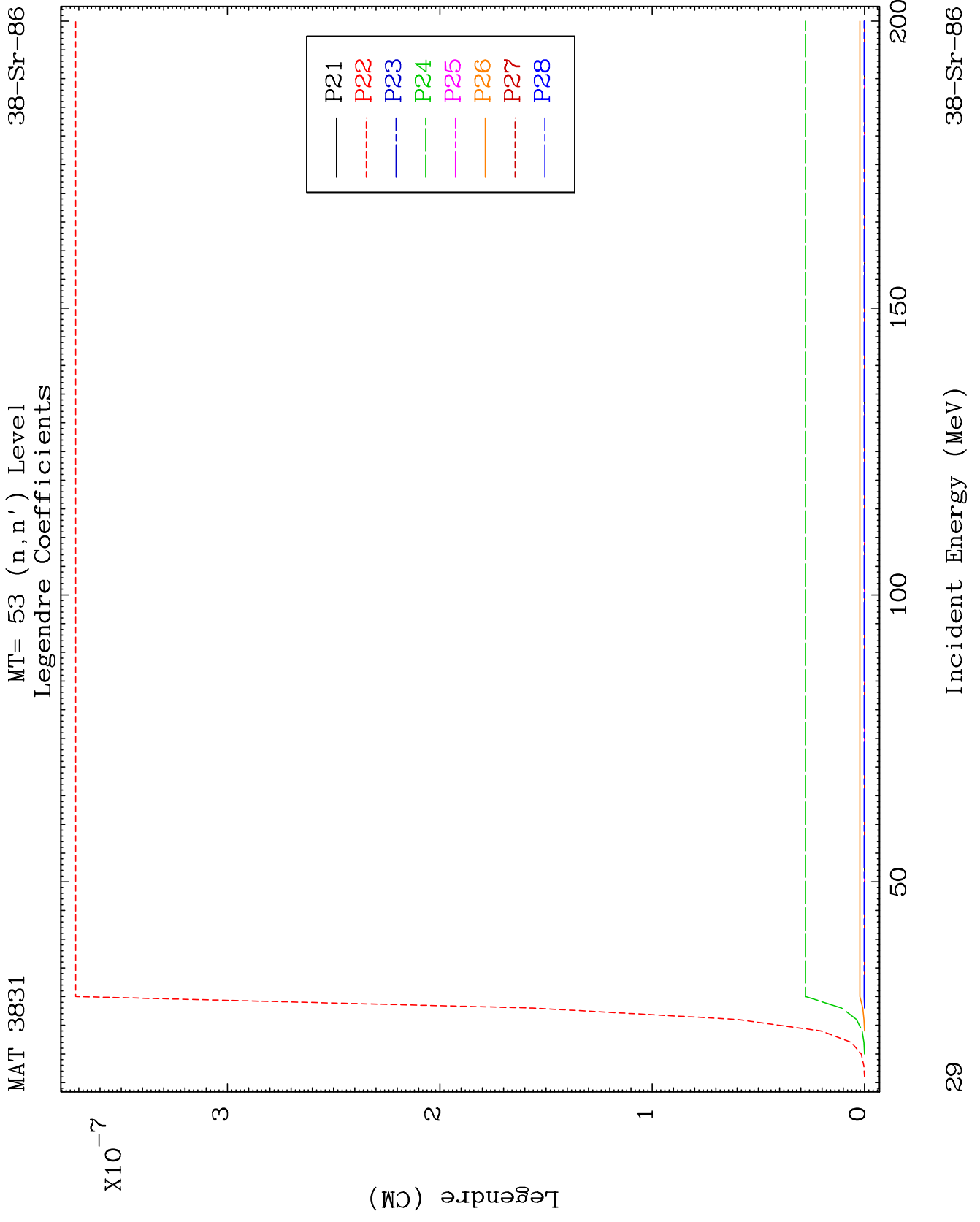
38-Sr-86

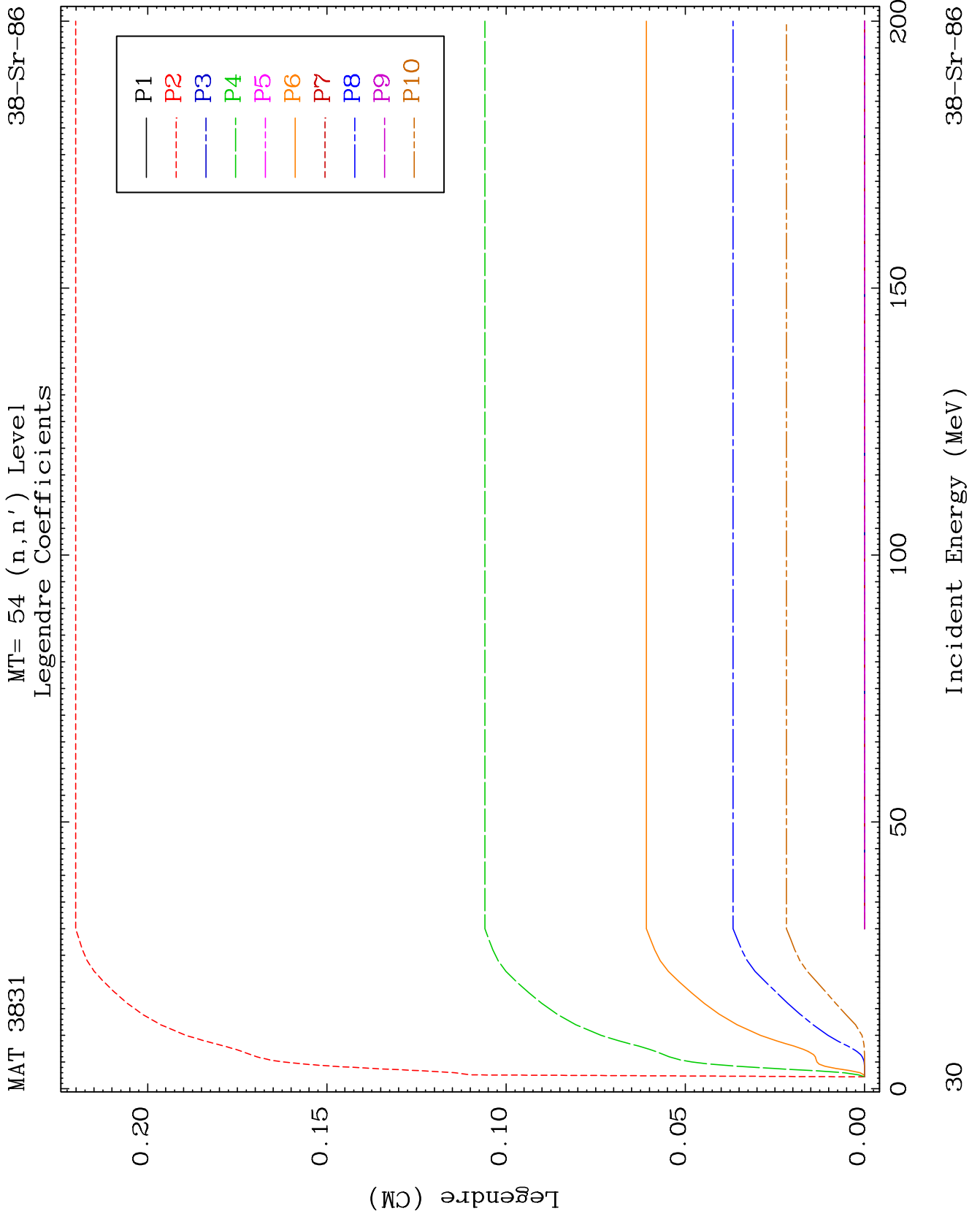


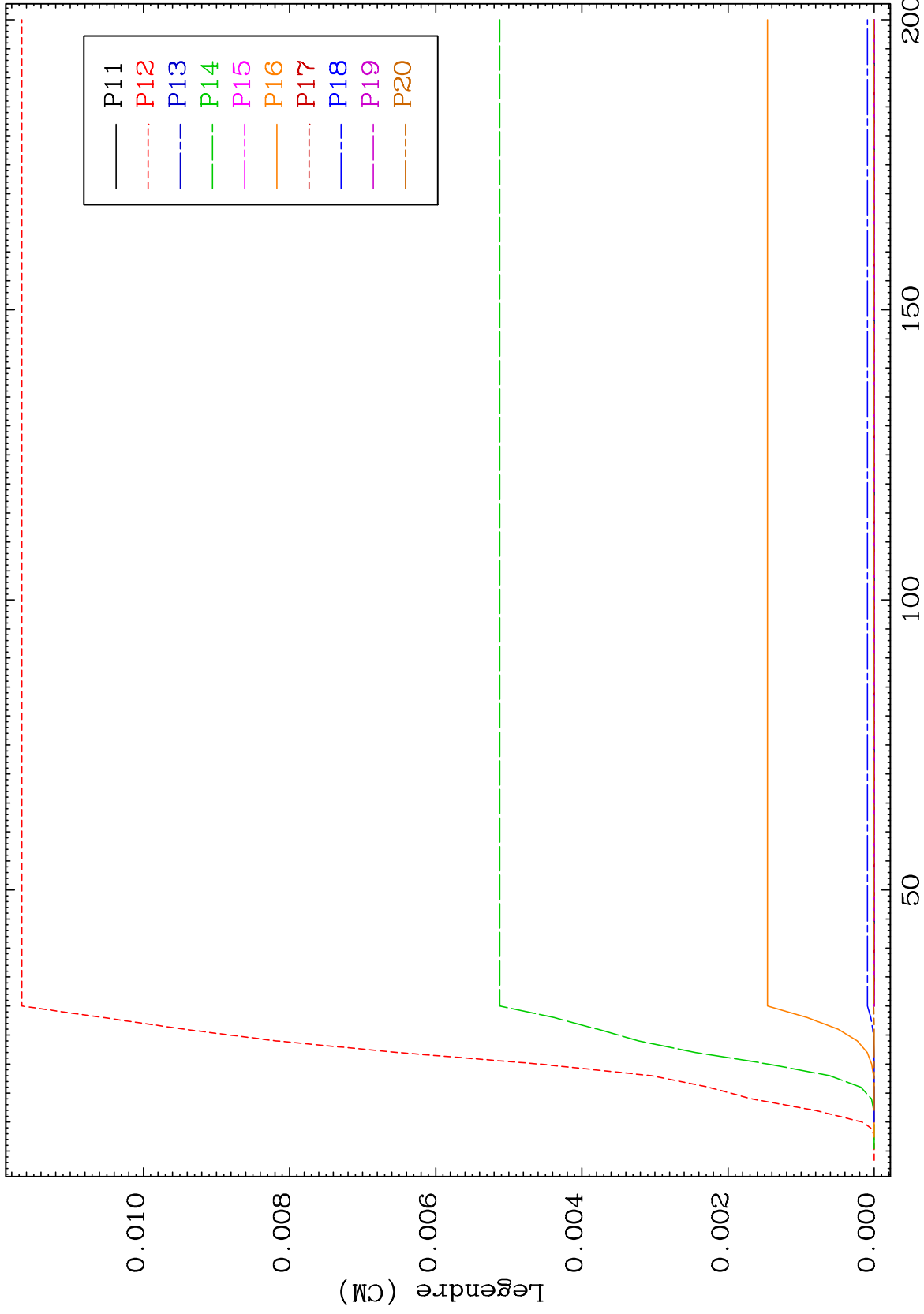
28

Incident Energy (MeV)

38-Sr-86



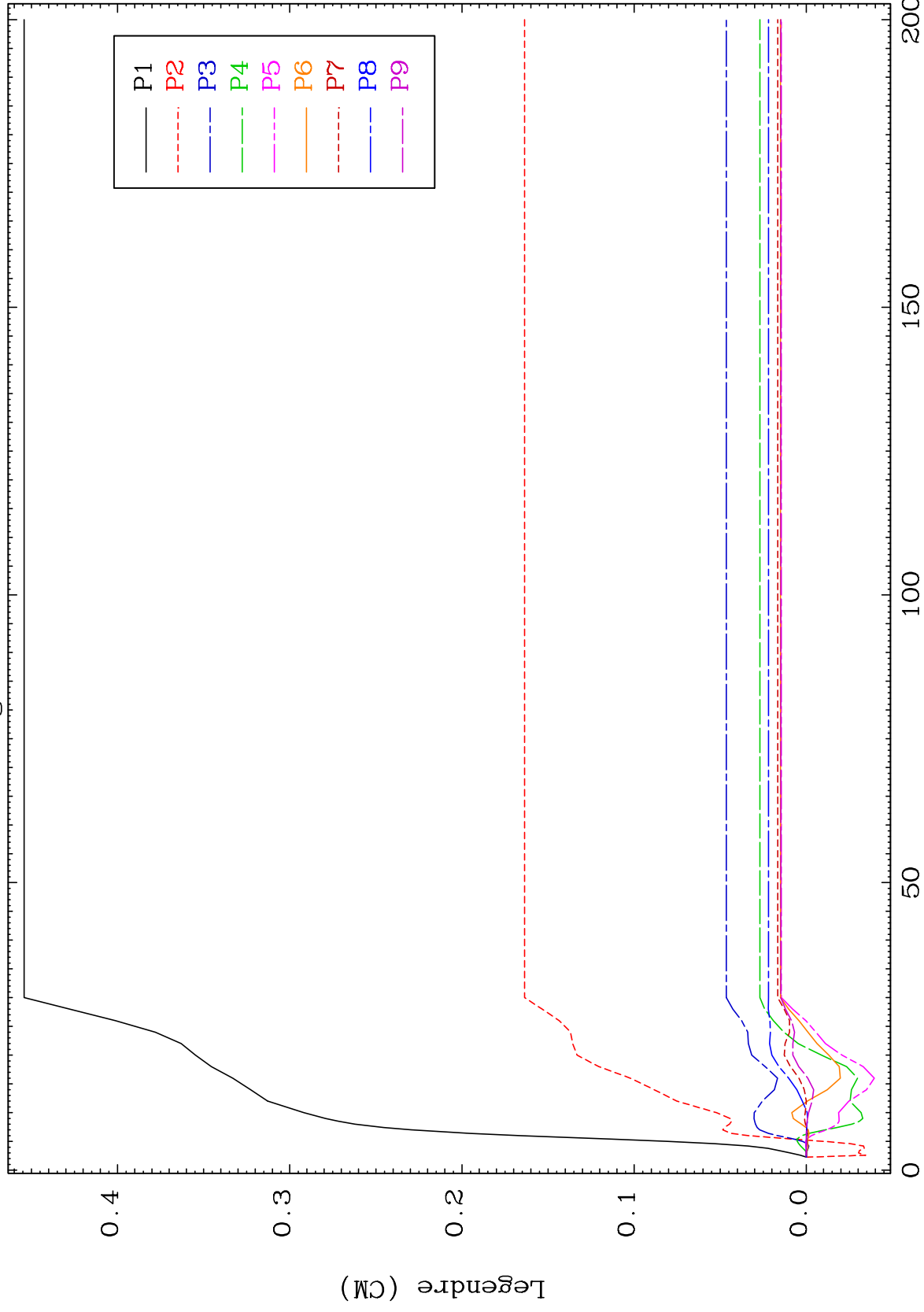




MAT 3831

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

38-Sr-86



33

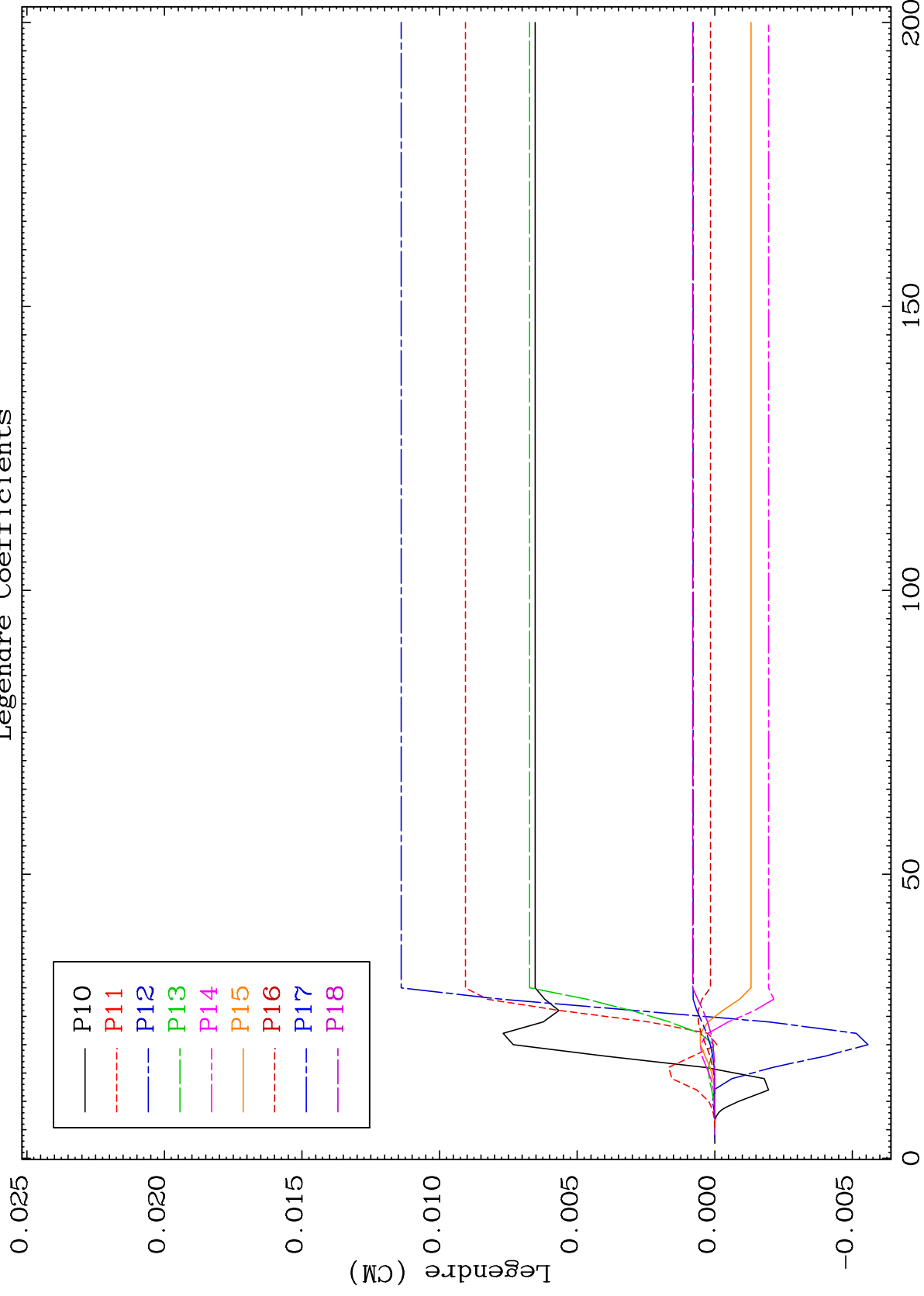
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



34

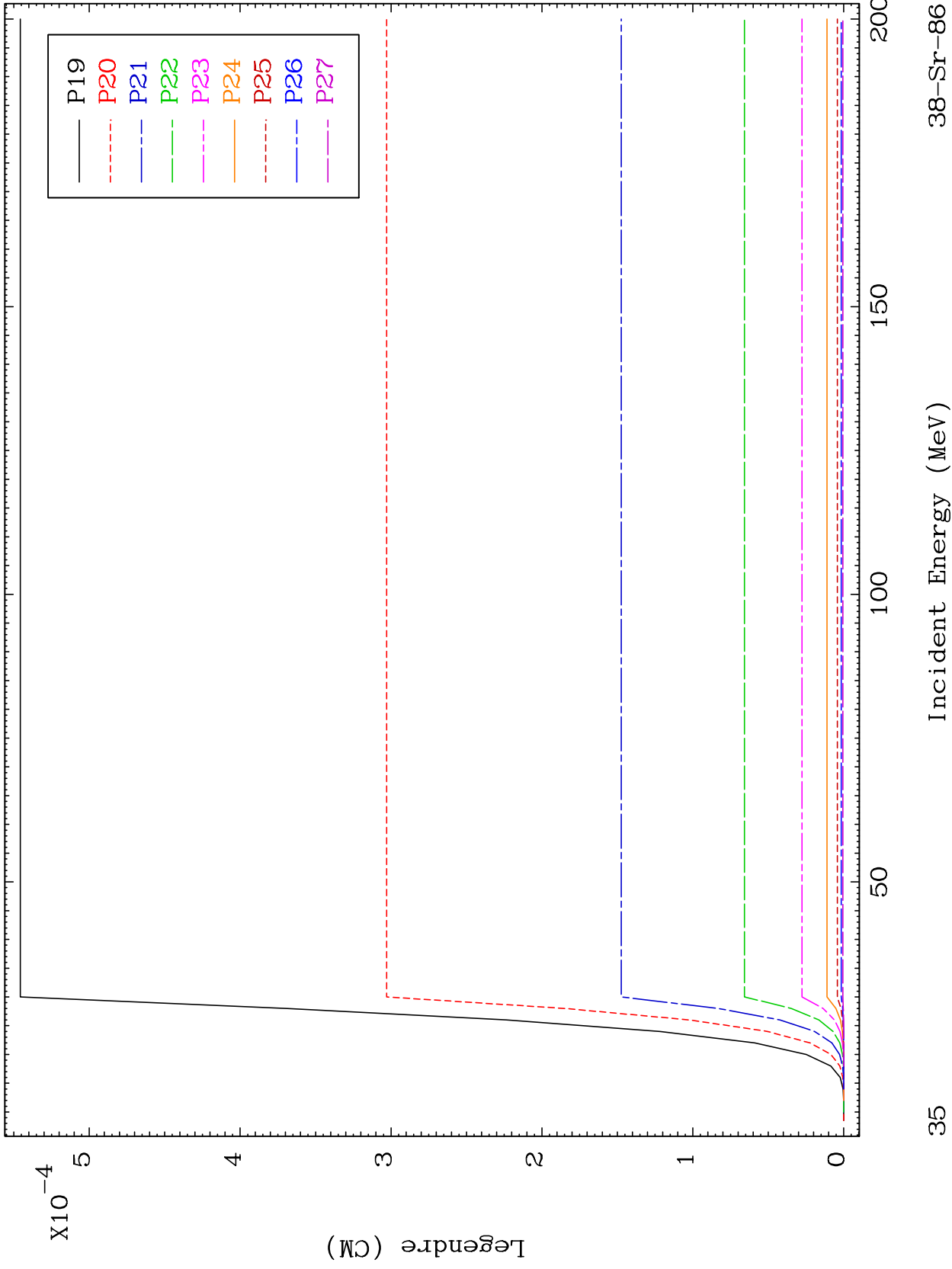
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

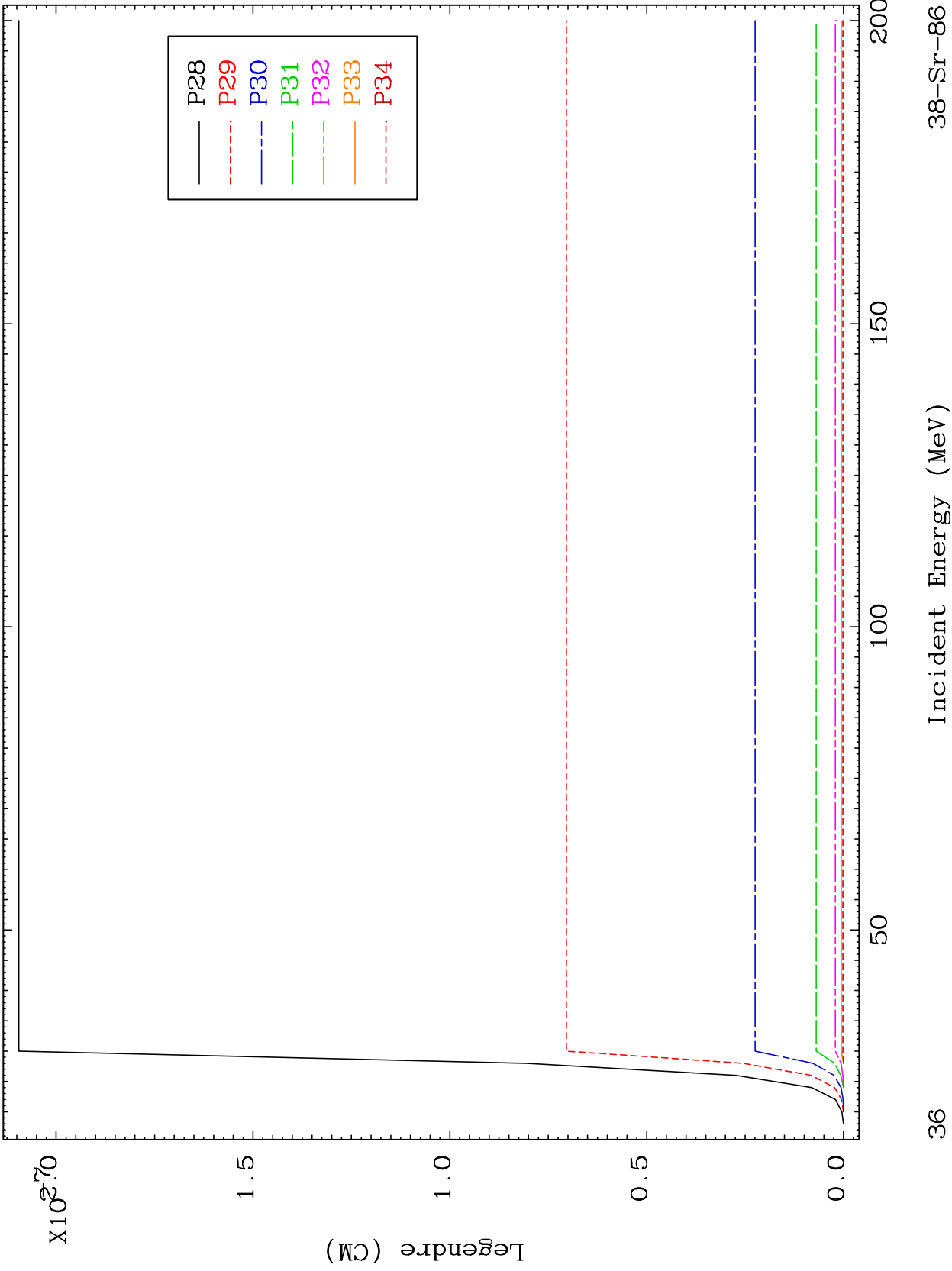
38-Sr-86



MAT 3831

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

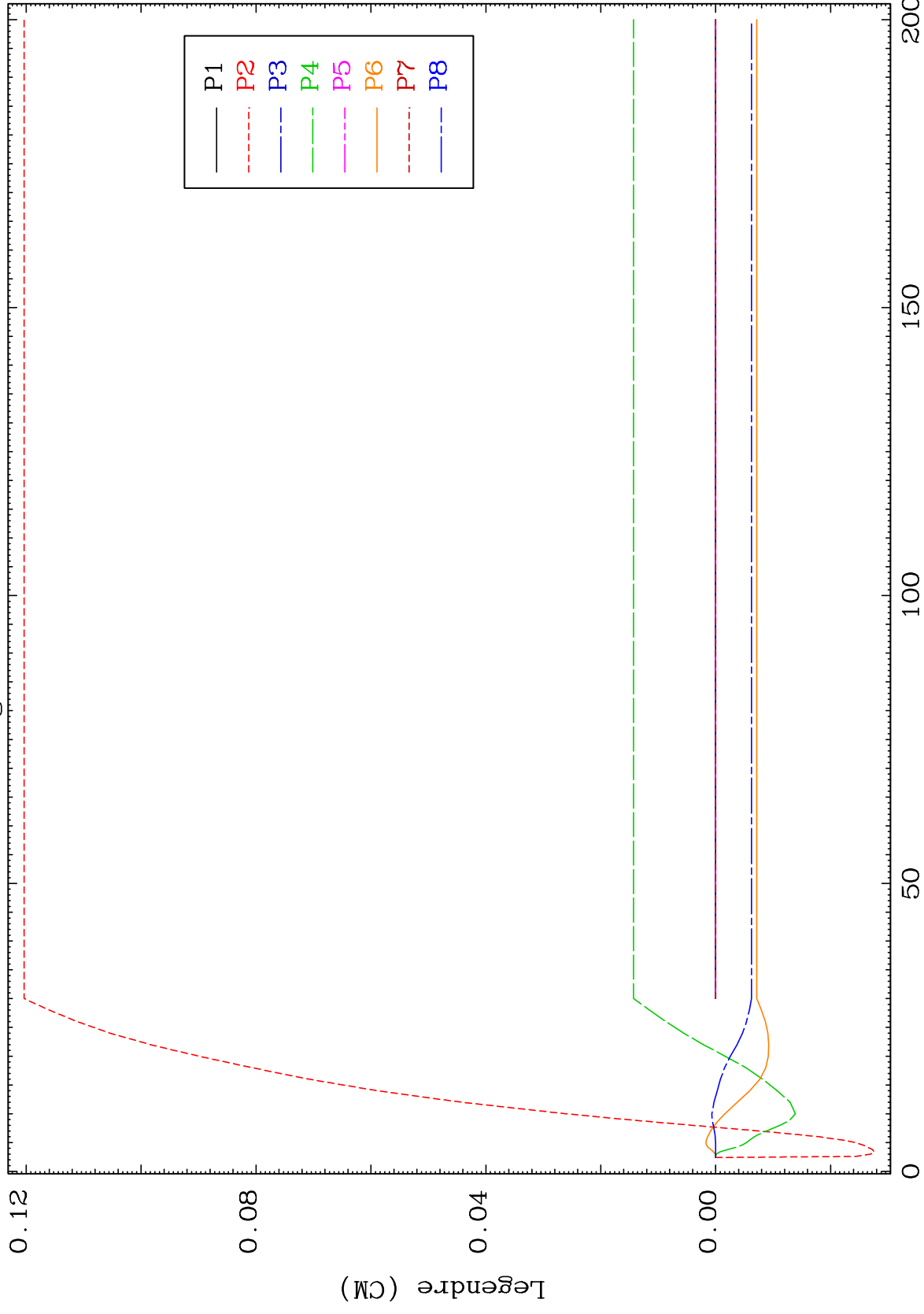
38-Sr-86



MAT 3831

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

38-Sr-86



38-Sr-86

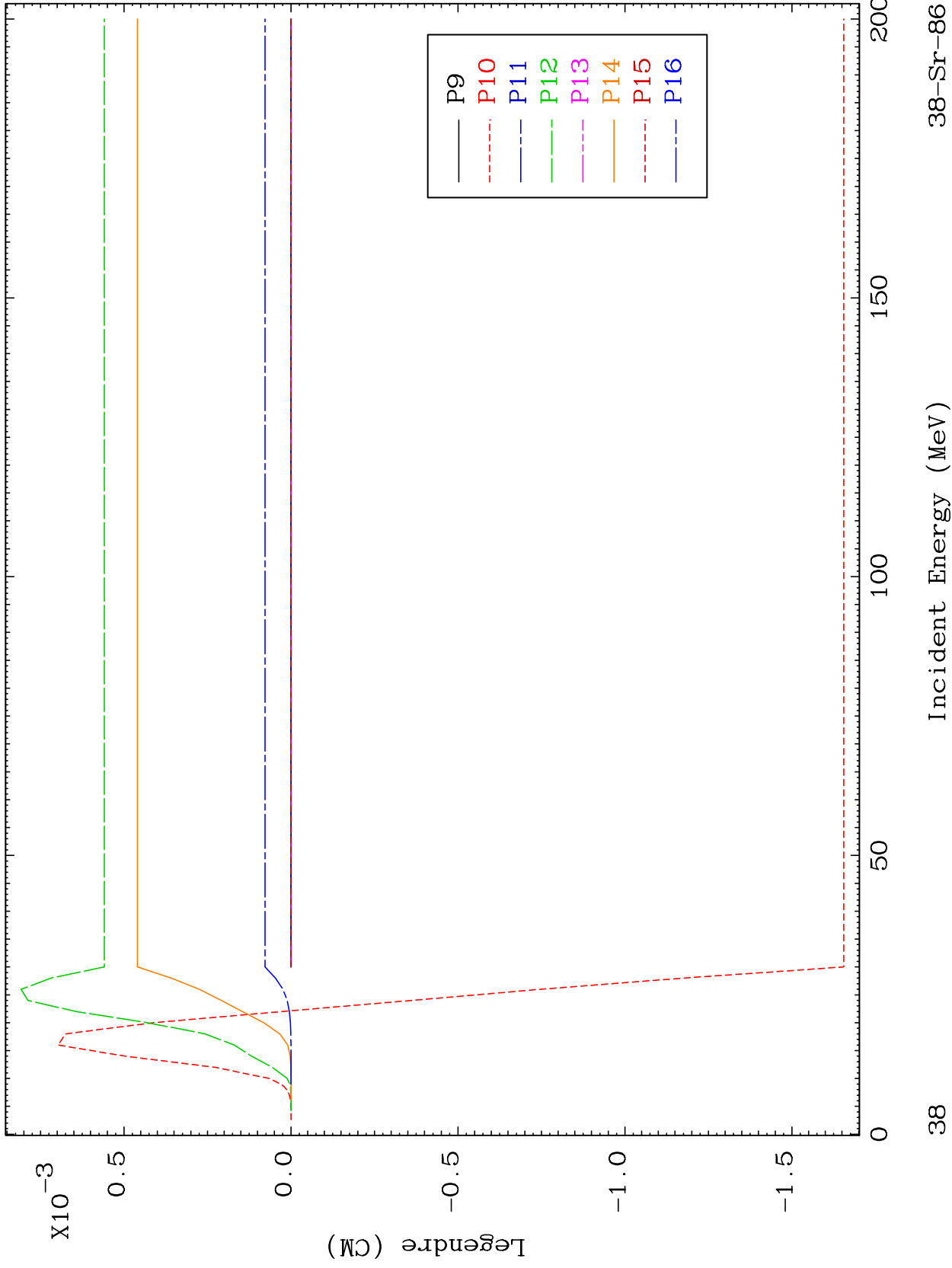
Incident Energy (MeV)

37

MAT 3831

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

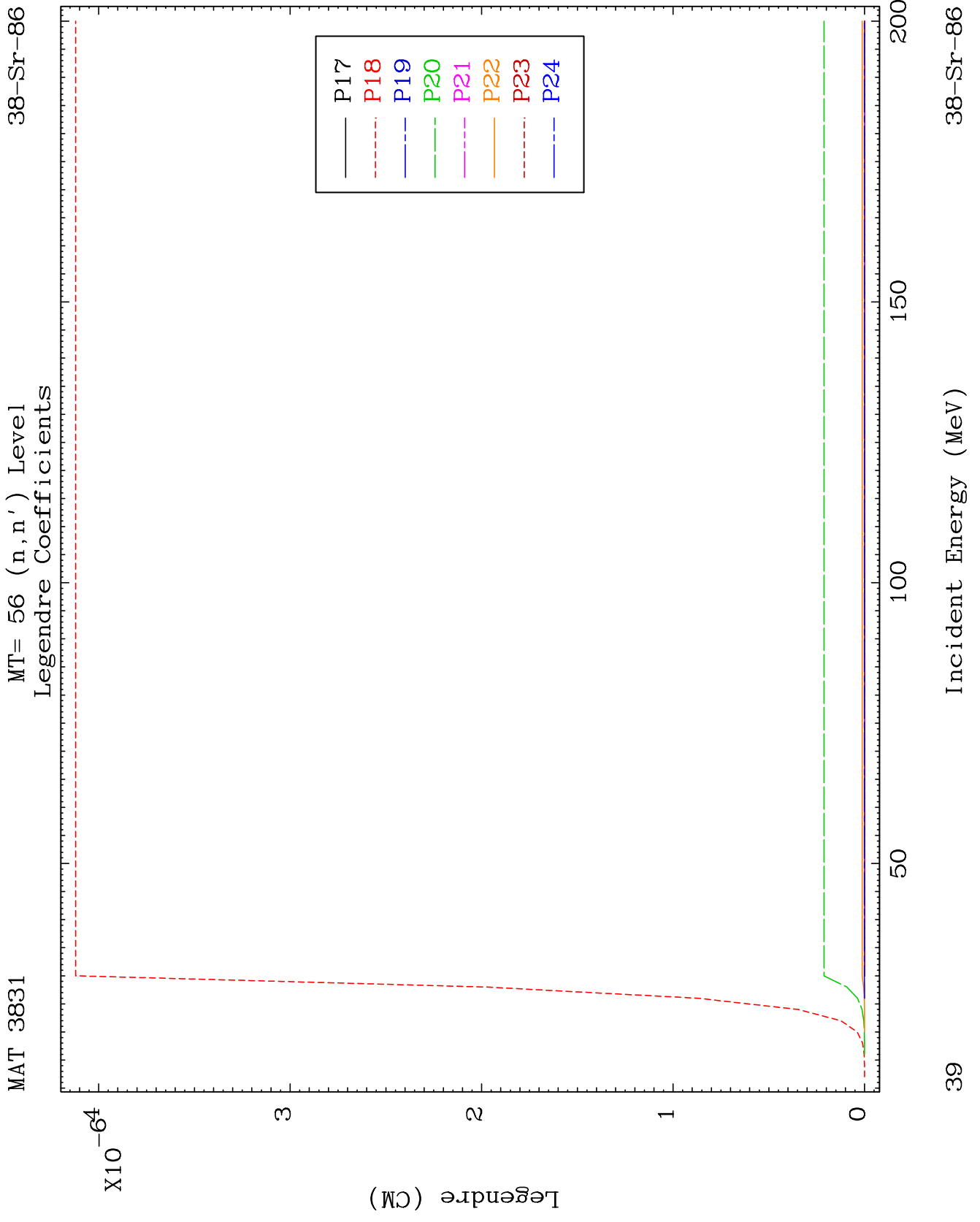
38-Sr-86



38

Incident Energy (MeV)

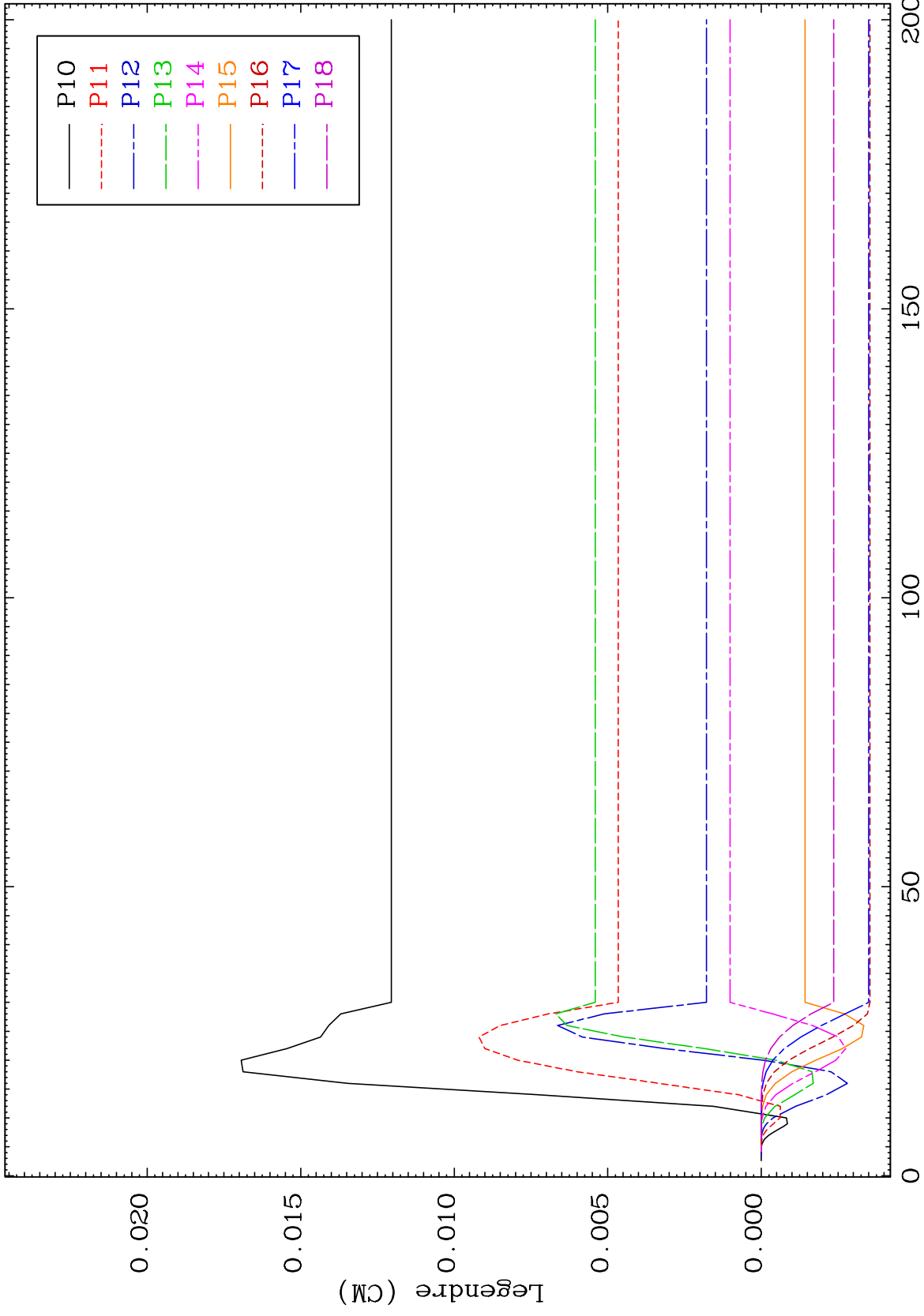
38-Sr-86



MAT 3831

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

38-Sr-86



41

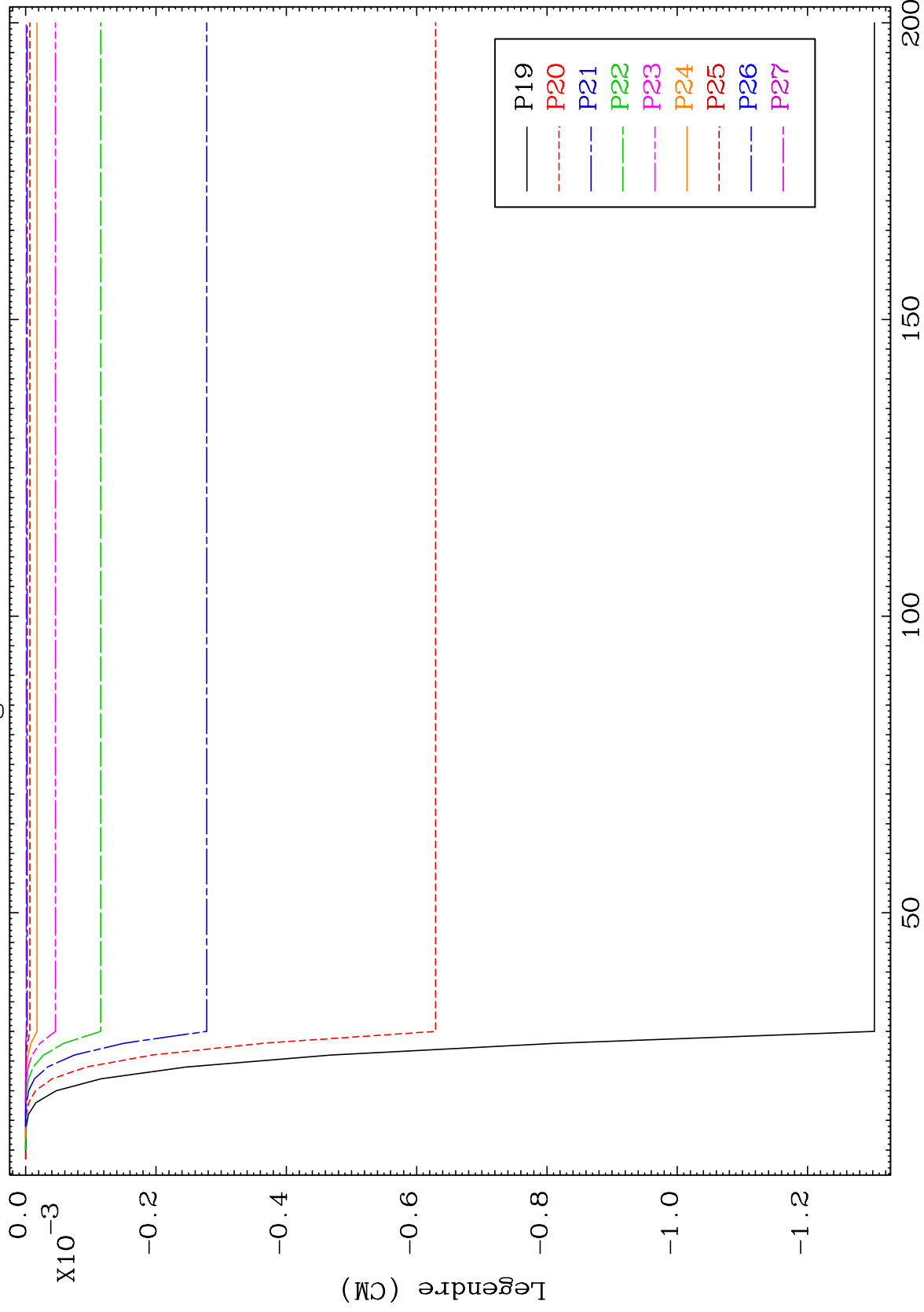
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



42

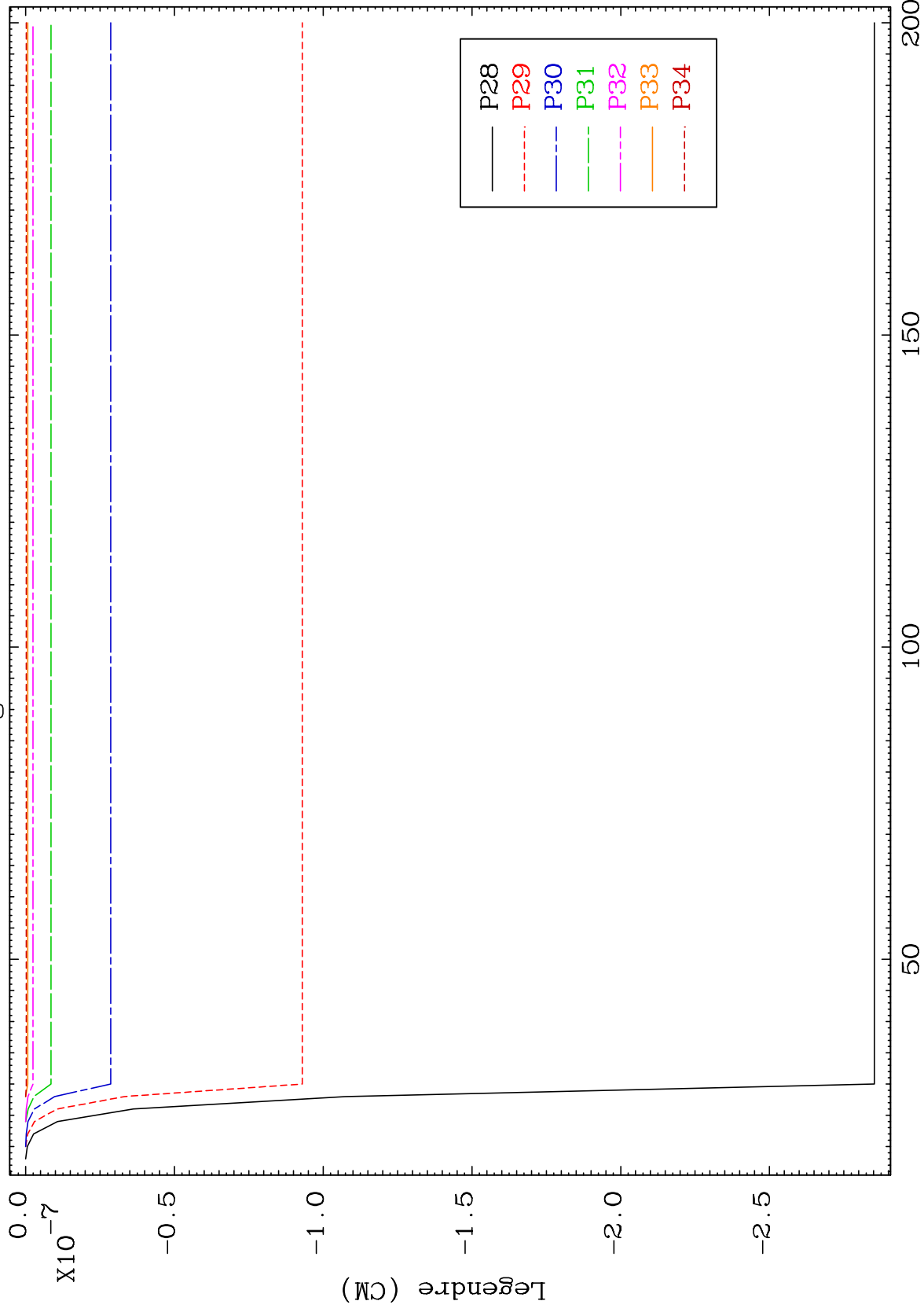
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

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



43

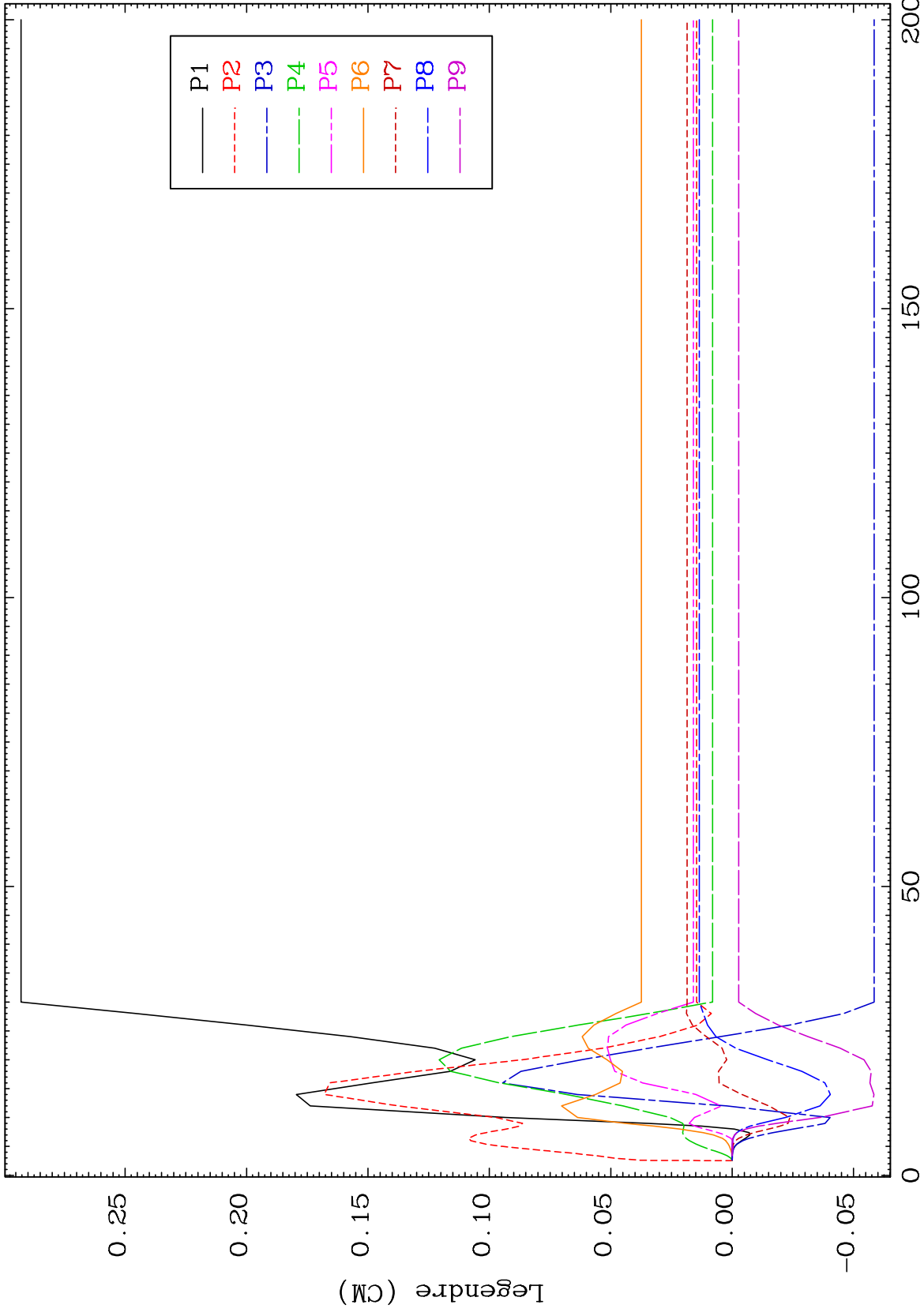
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



44

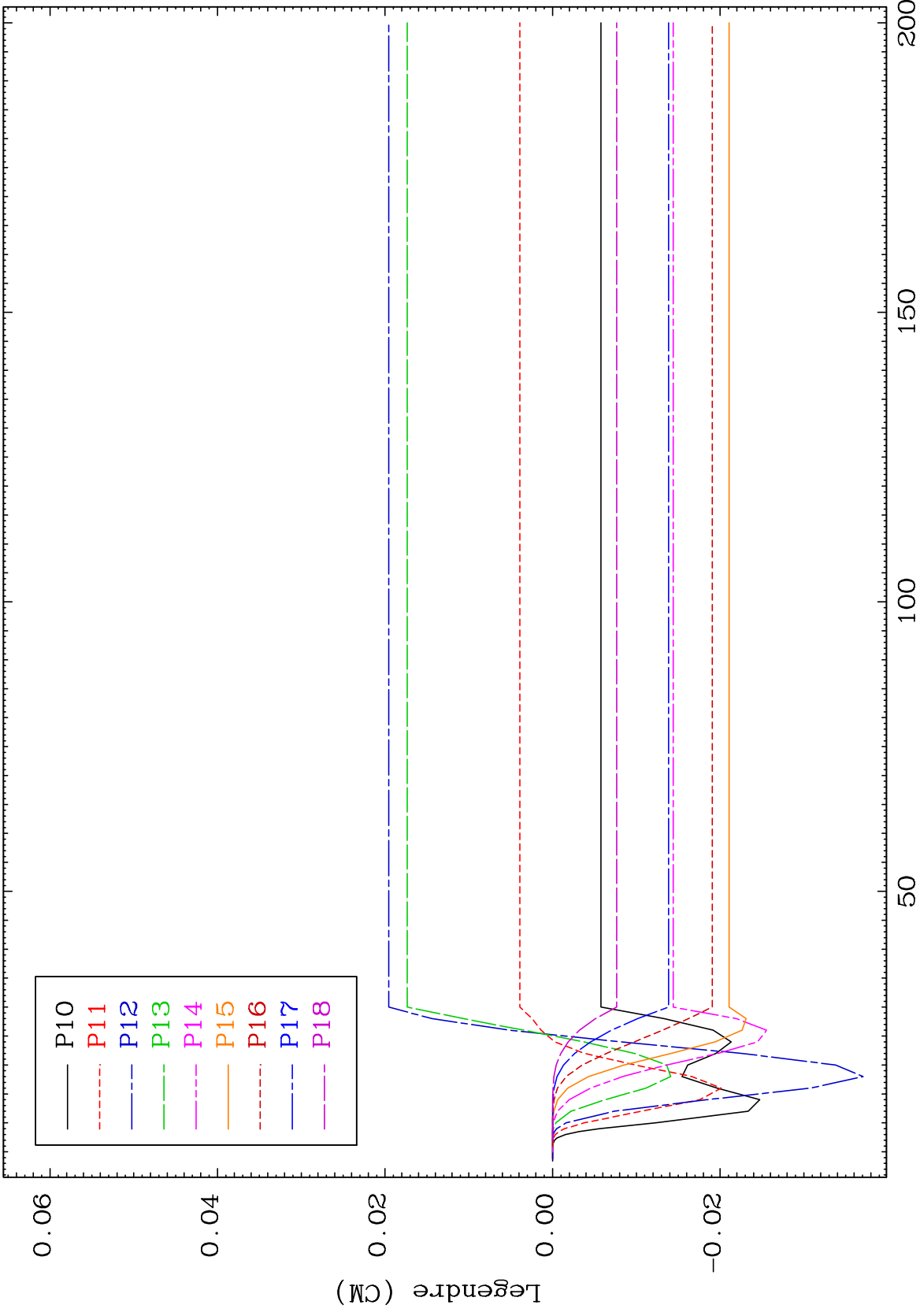
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



45

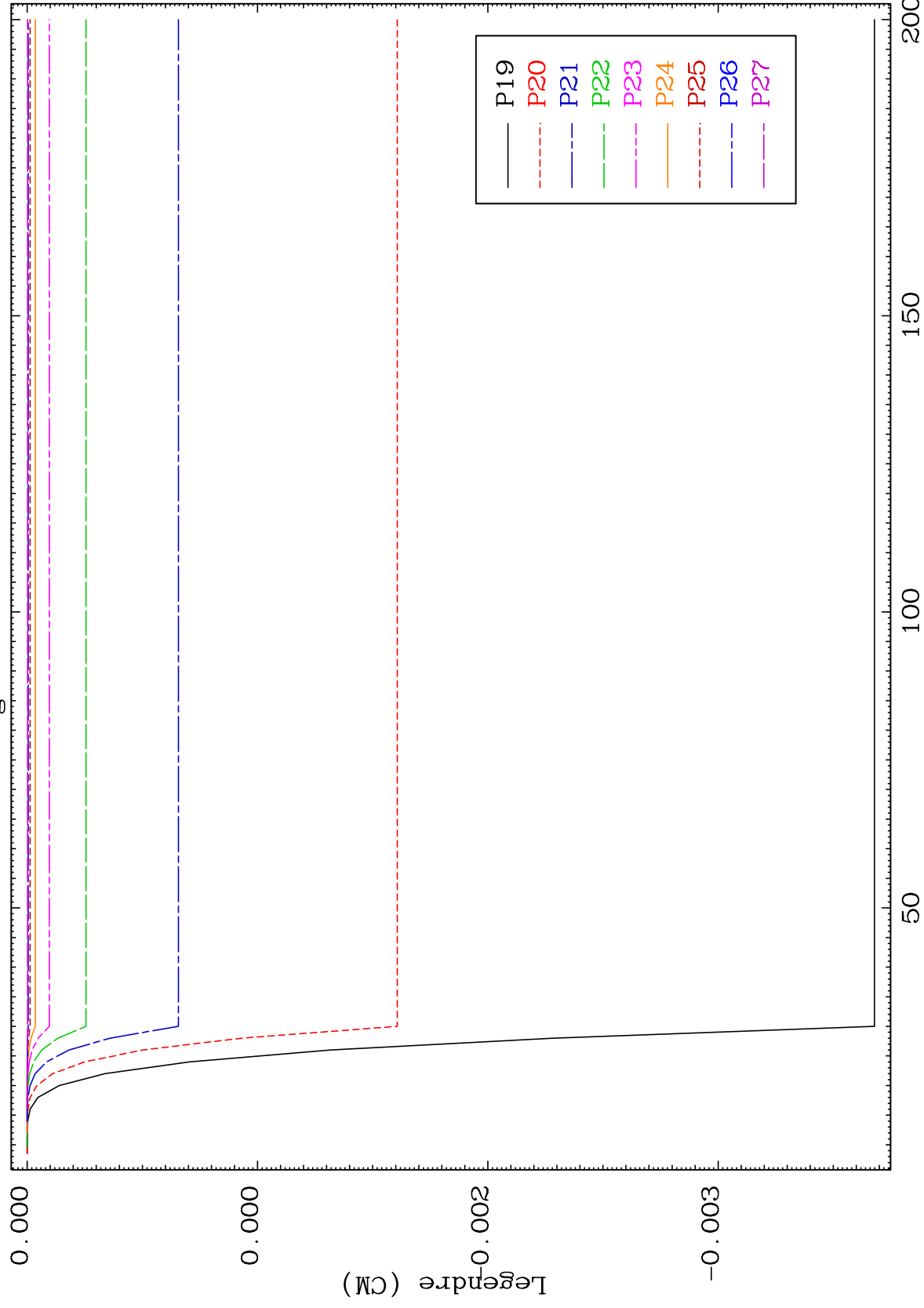
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



46

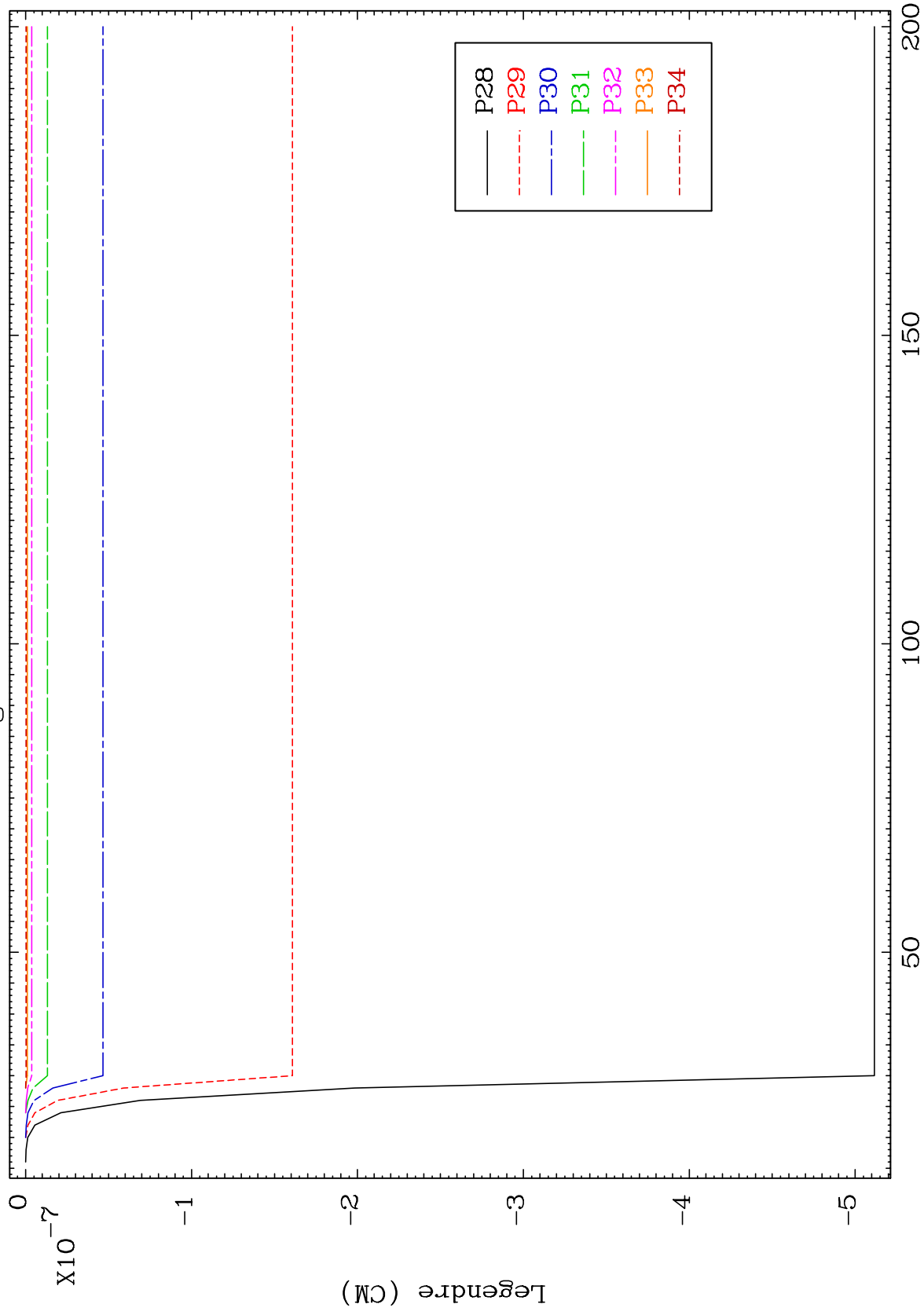
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



47

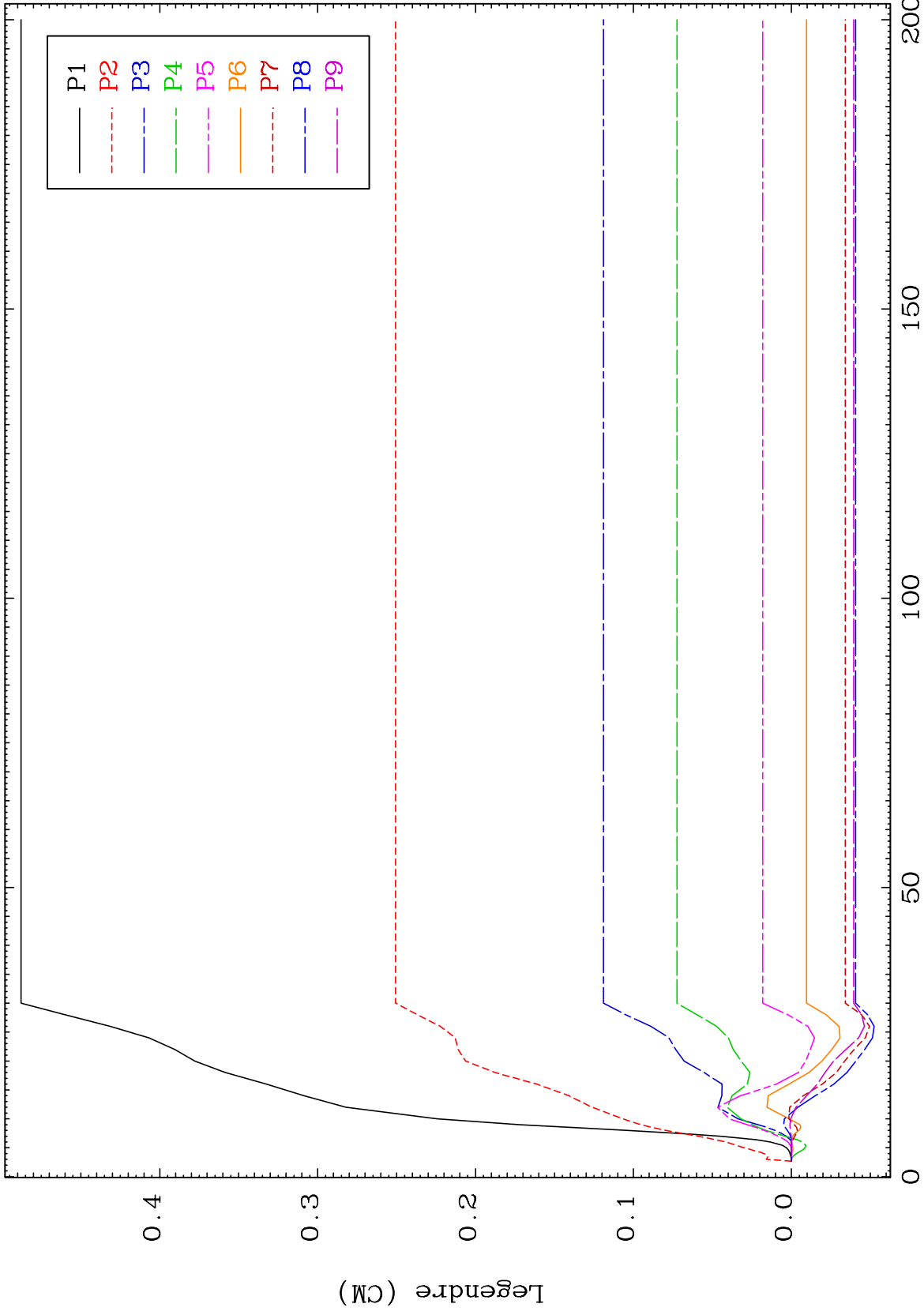
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



48

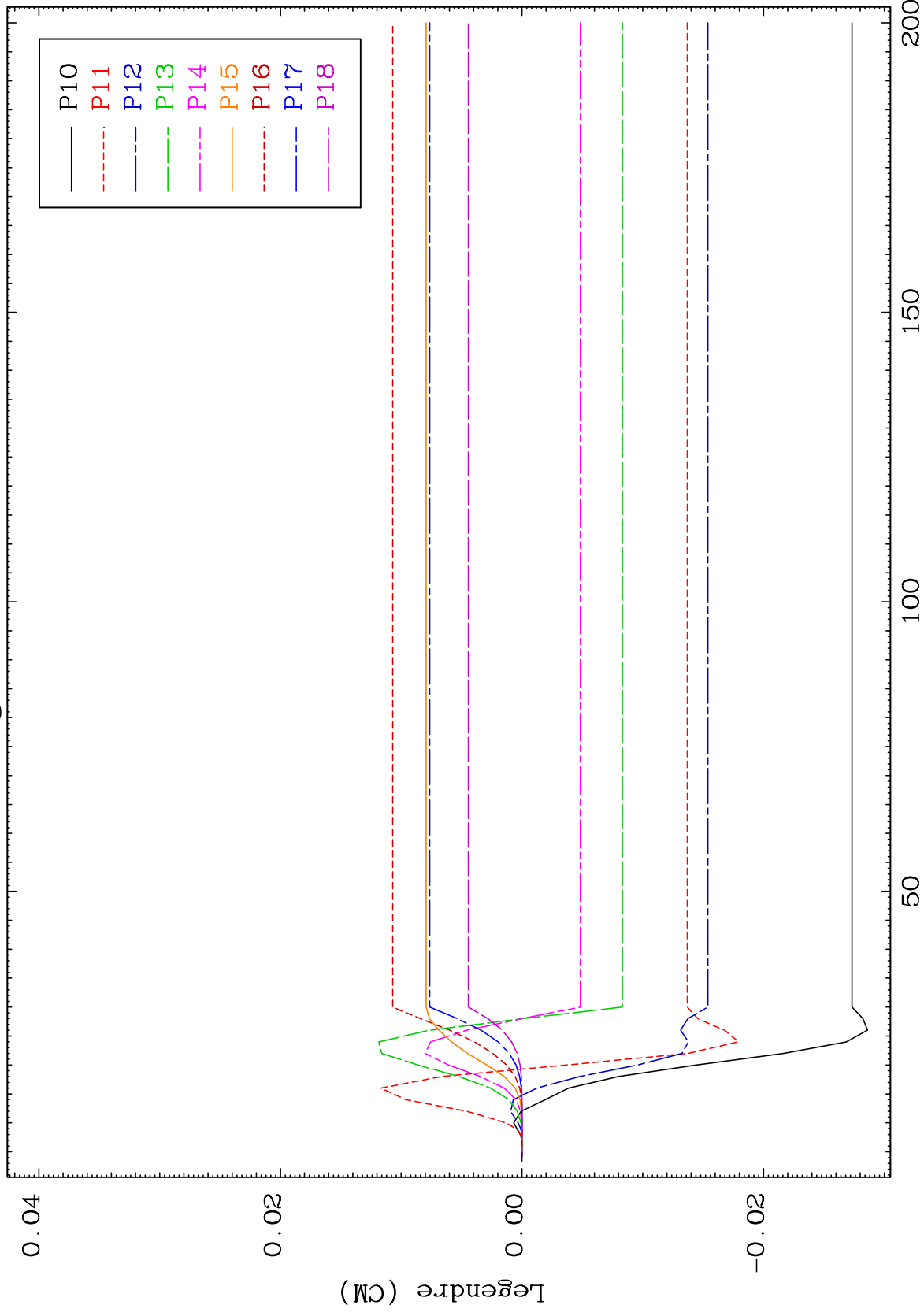
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



49

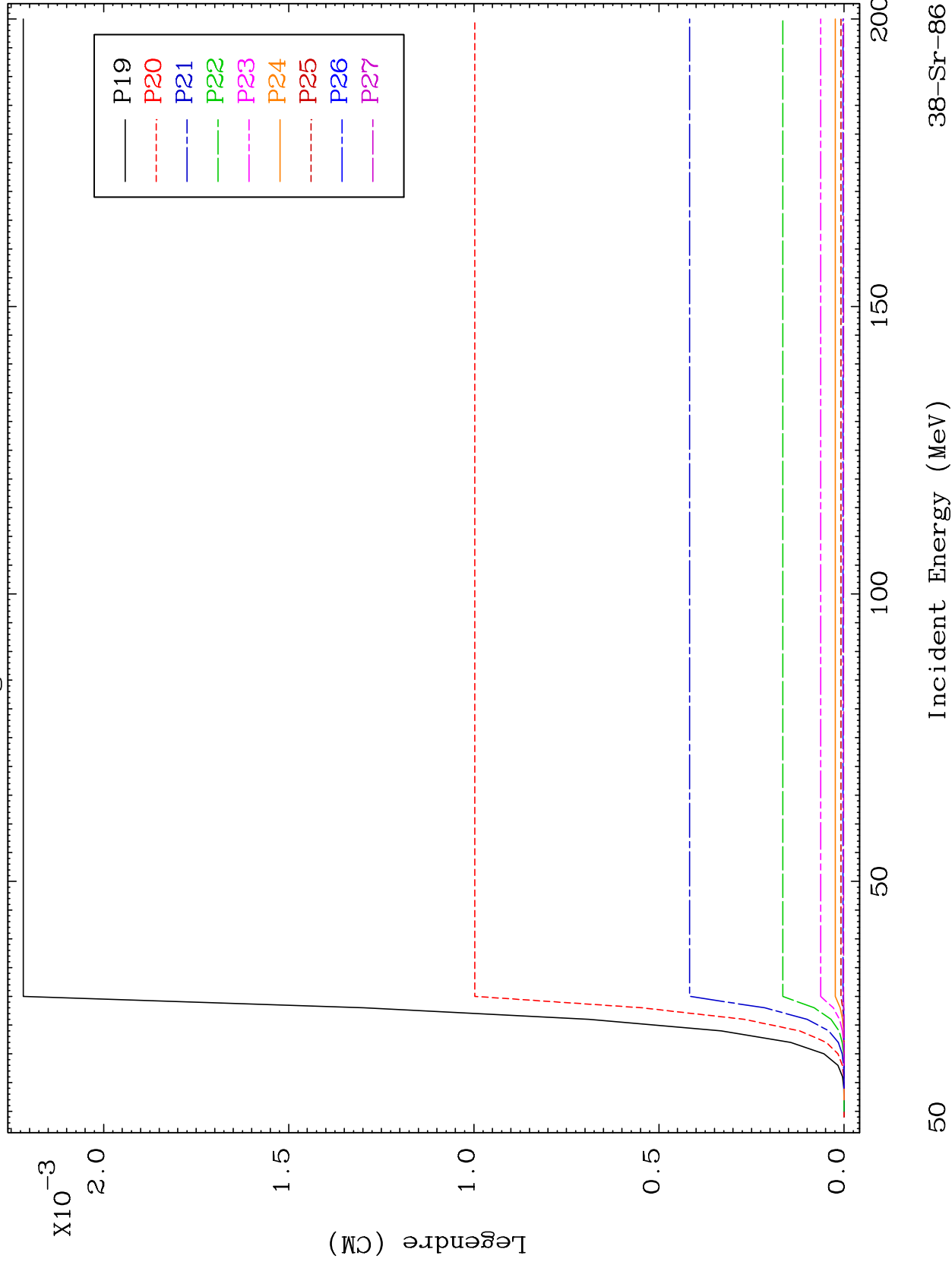
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

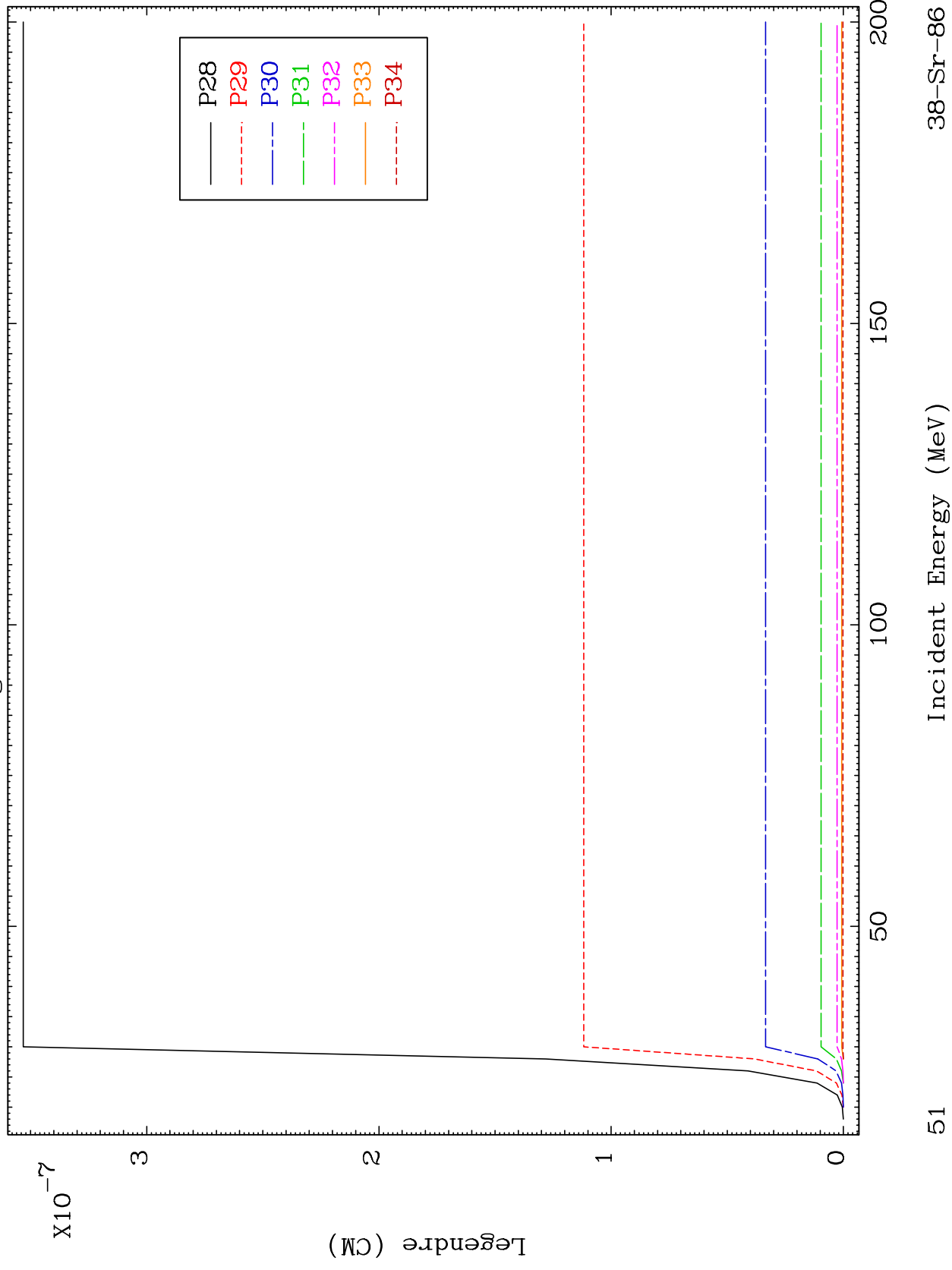
38-Sr-86



MAT 3831

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

38-Sr-86



51

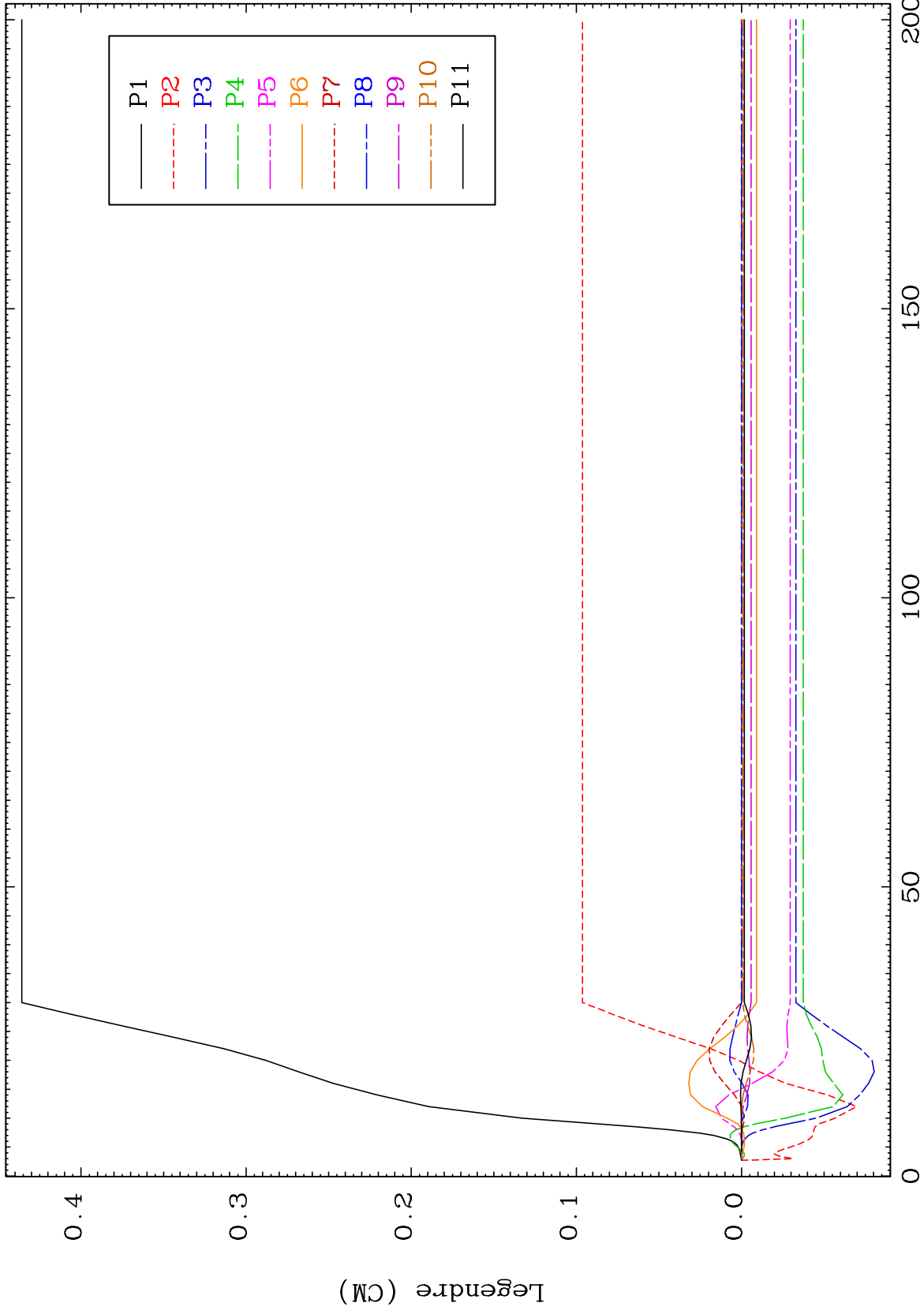
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



52

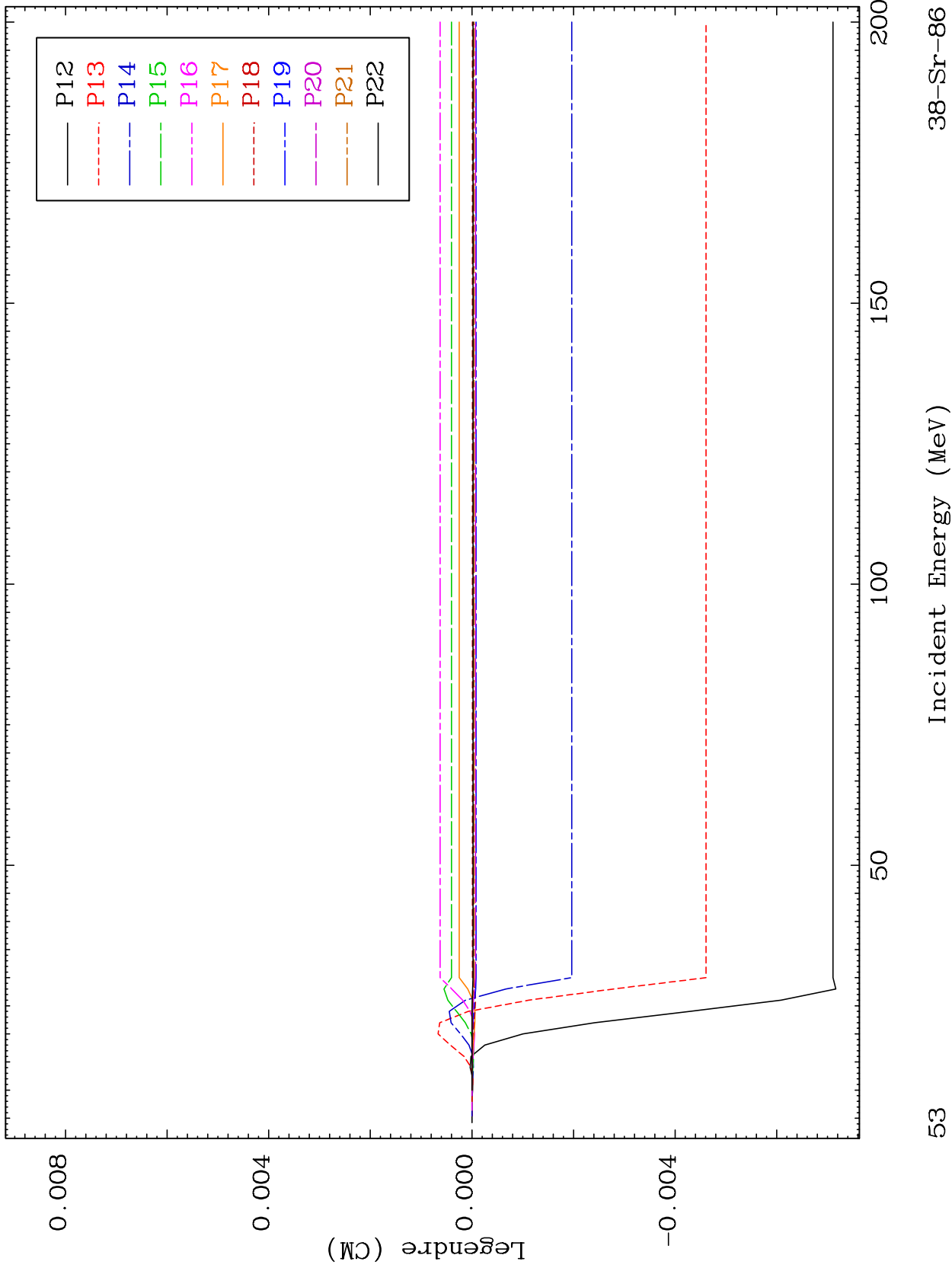
Incident Energy (MeV)

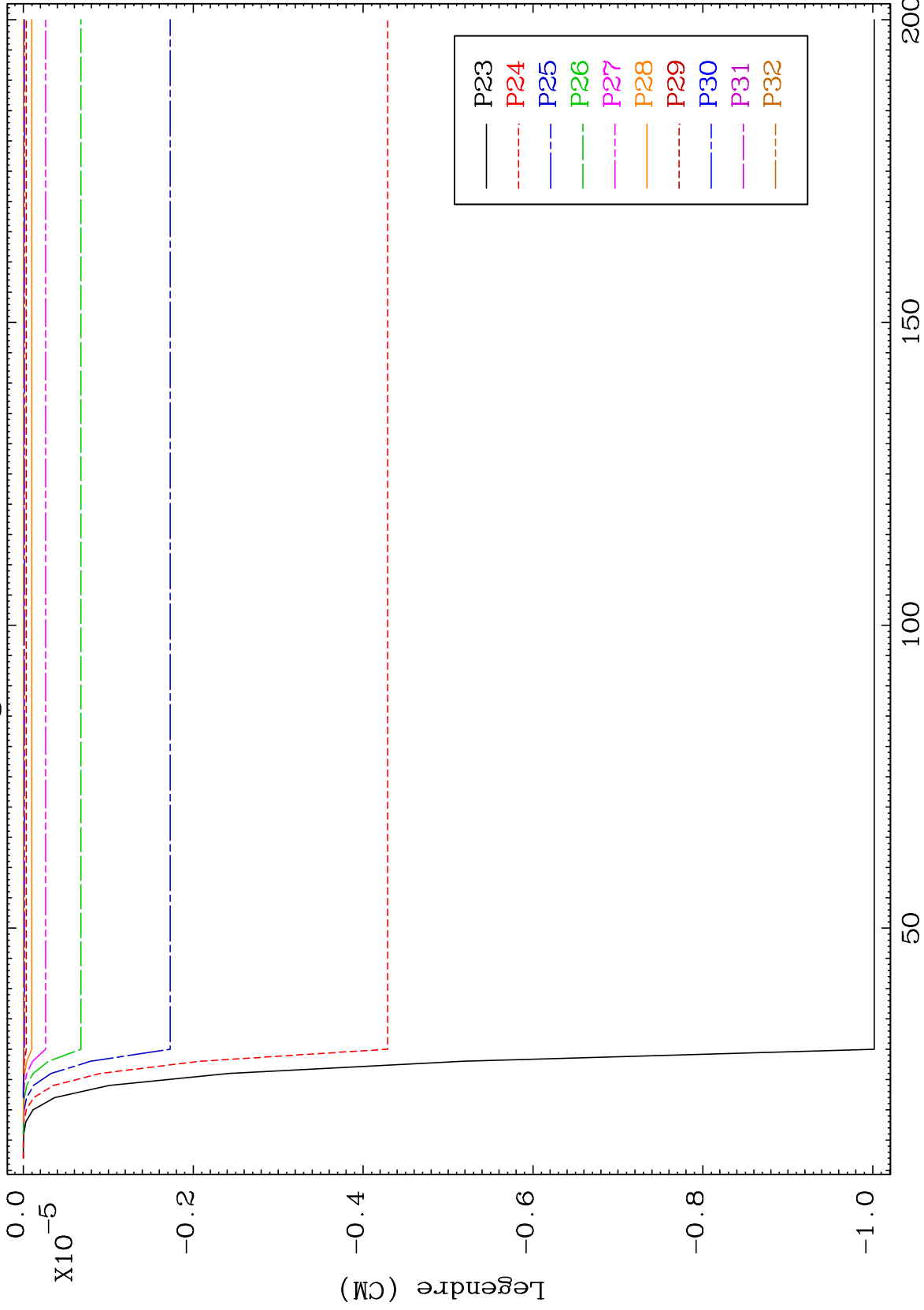
38-Sr-86

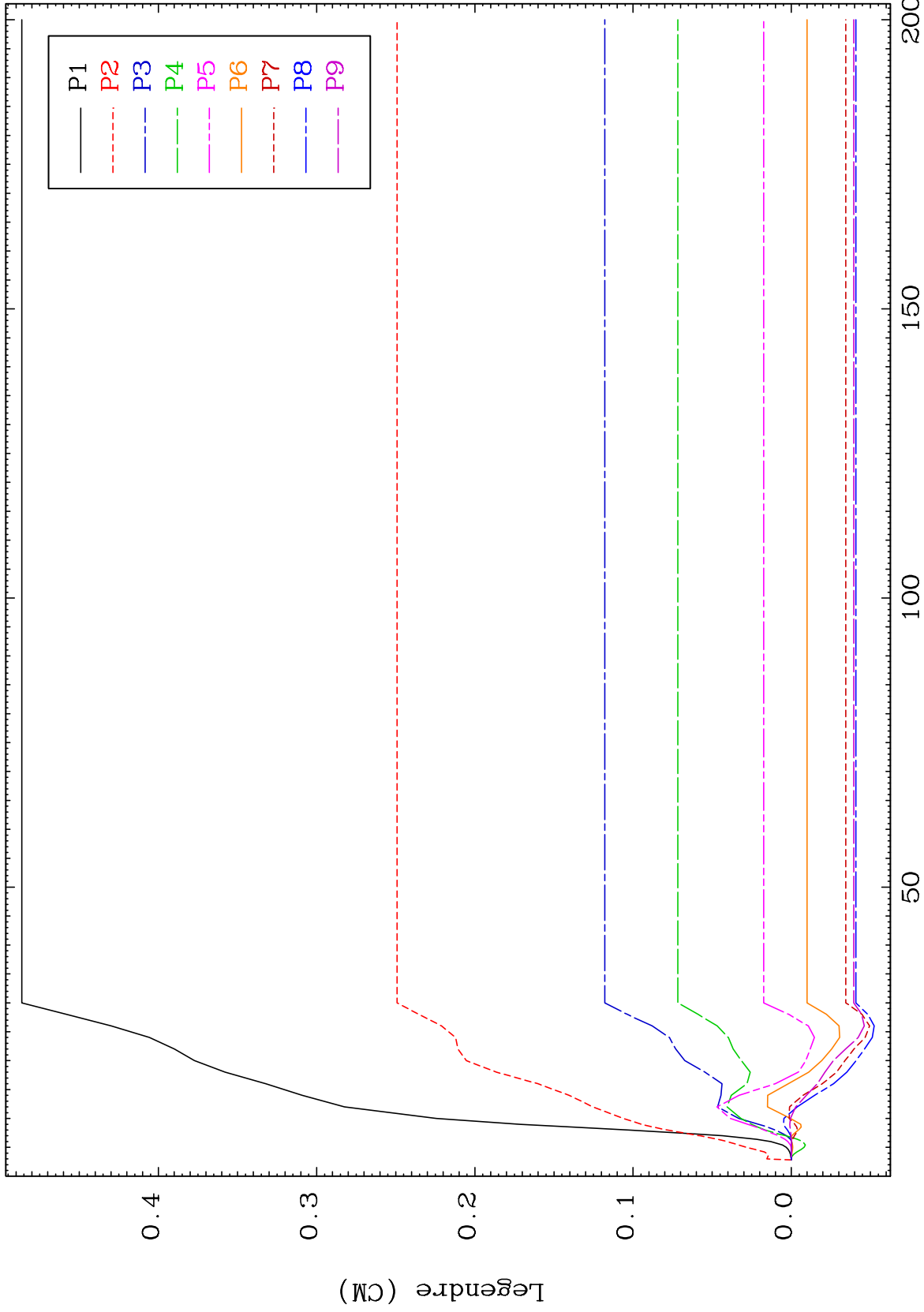
MAT 3831

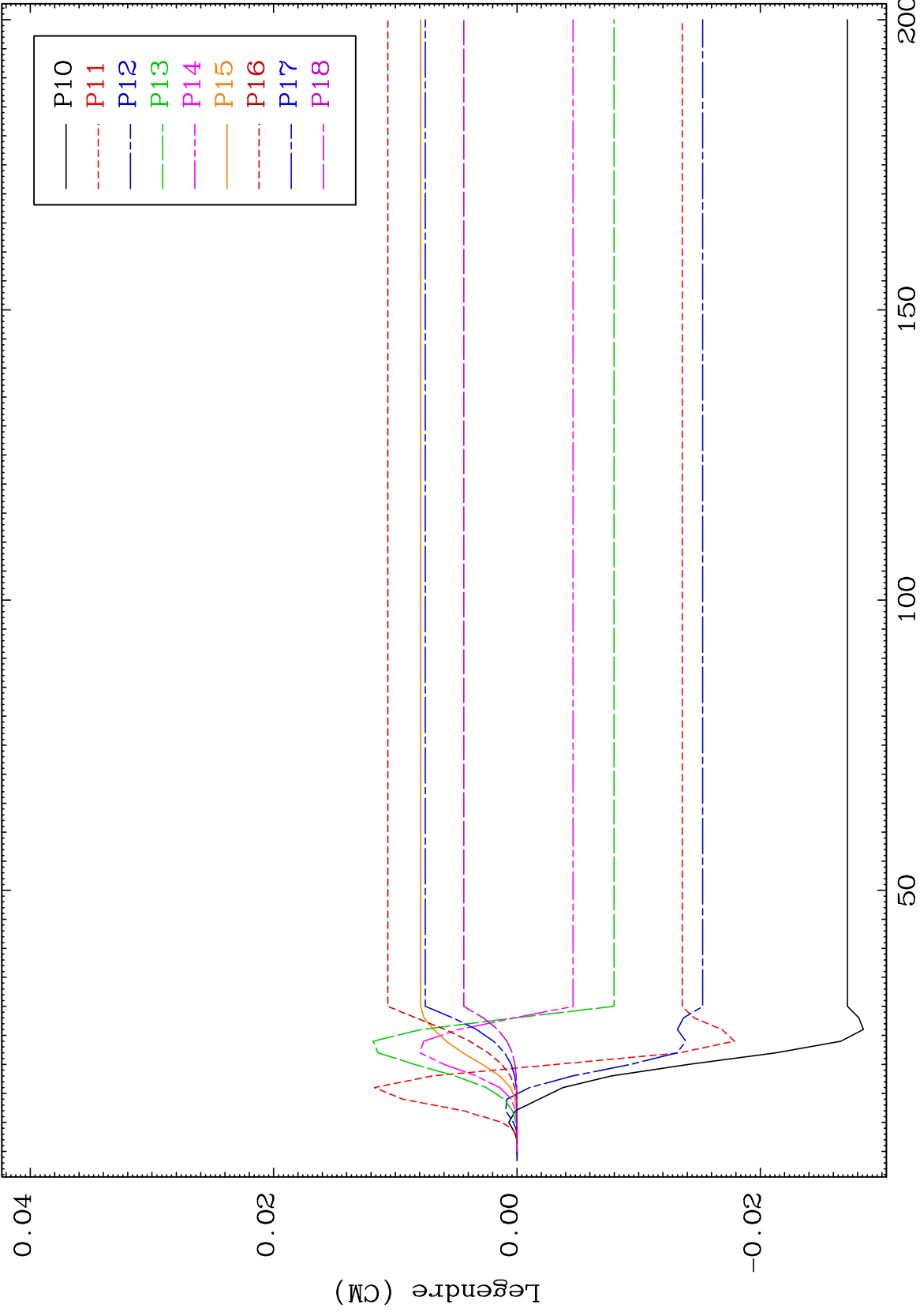
MT= 60 (n,n') Level
Legendre Coefficients

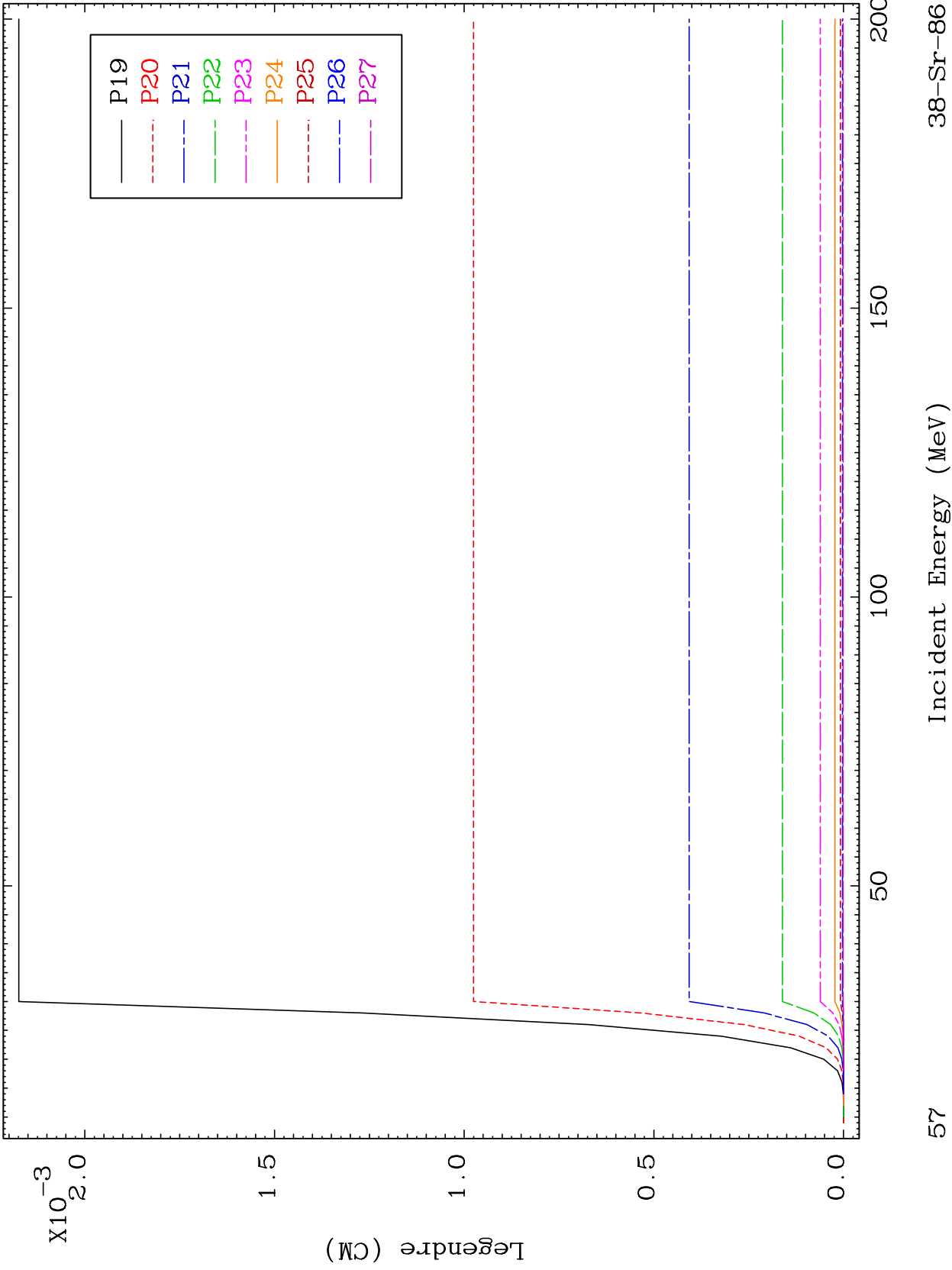
38-Sr-86







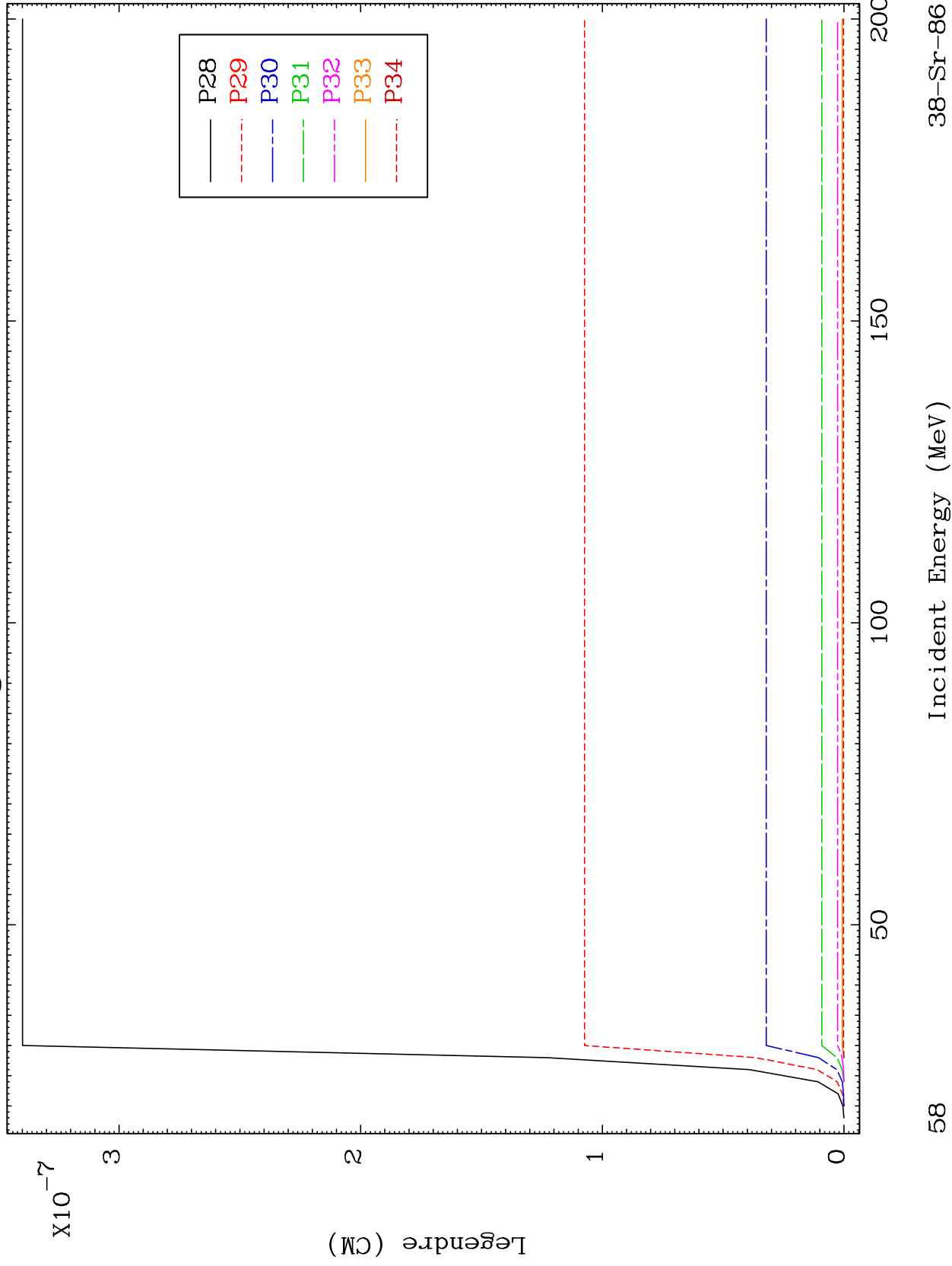




MAT 3831

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

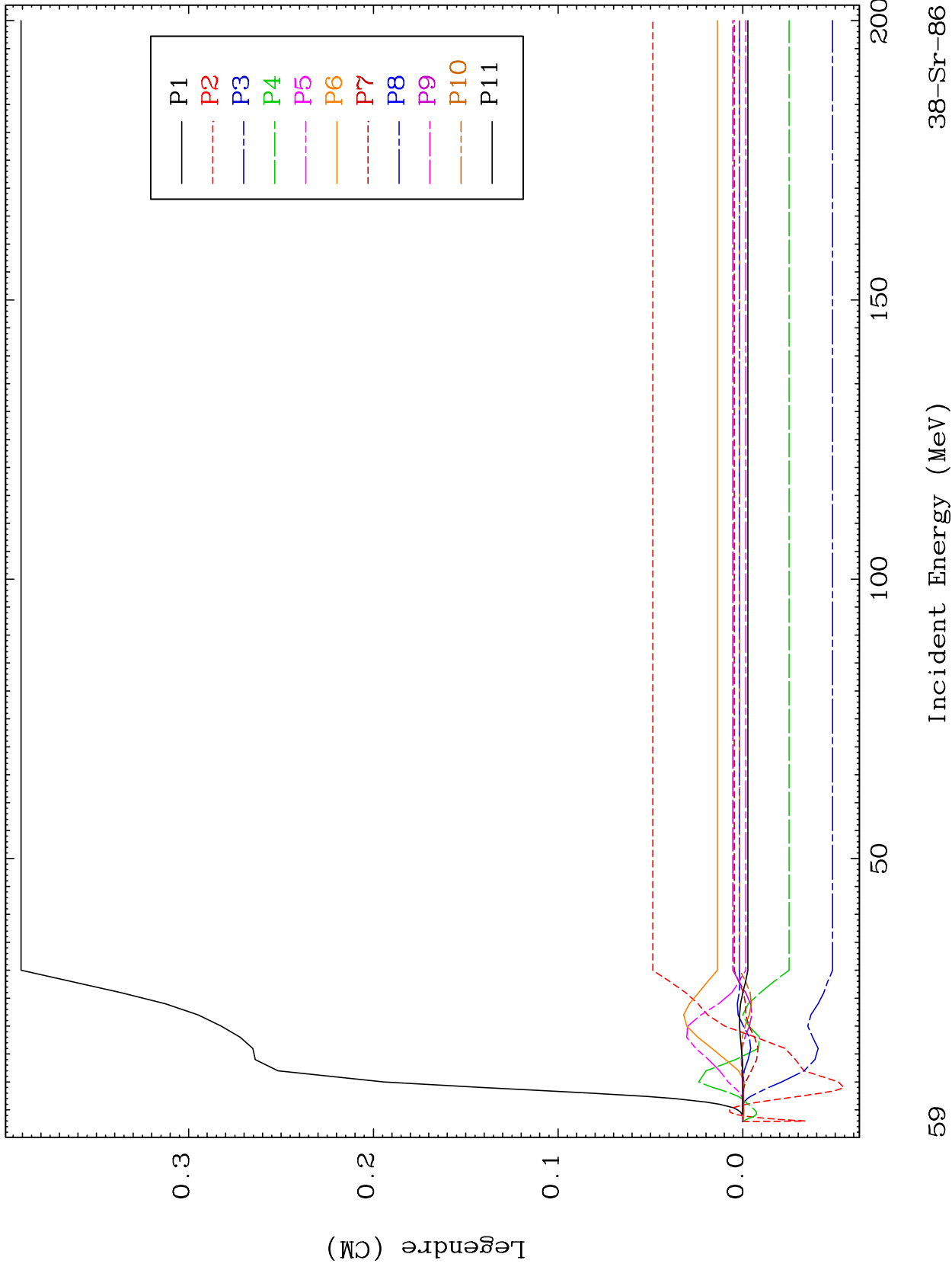
38-Sr-86



58

Incident Energy (MeV)

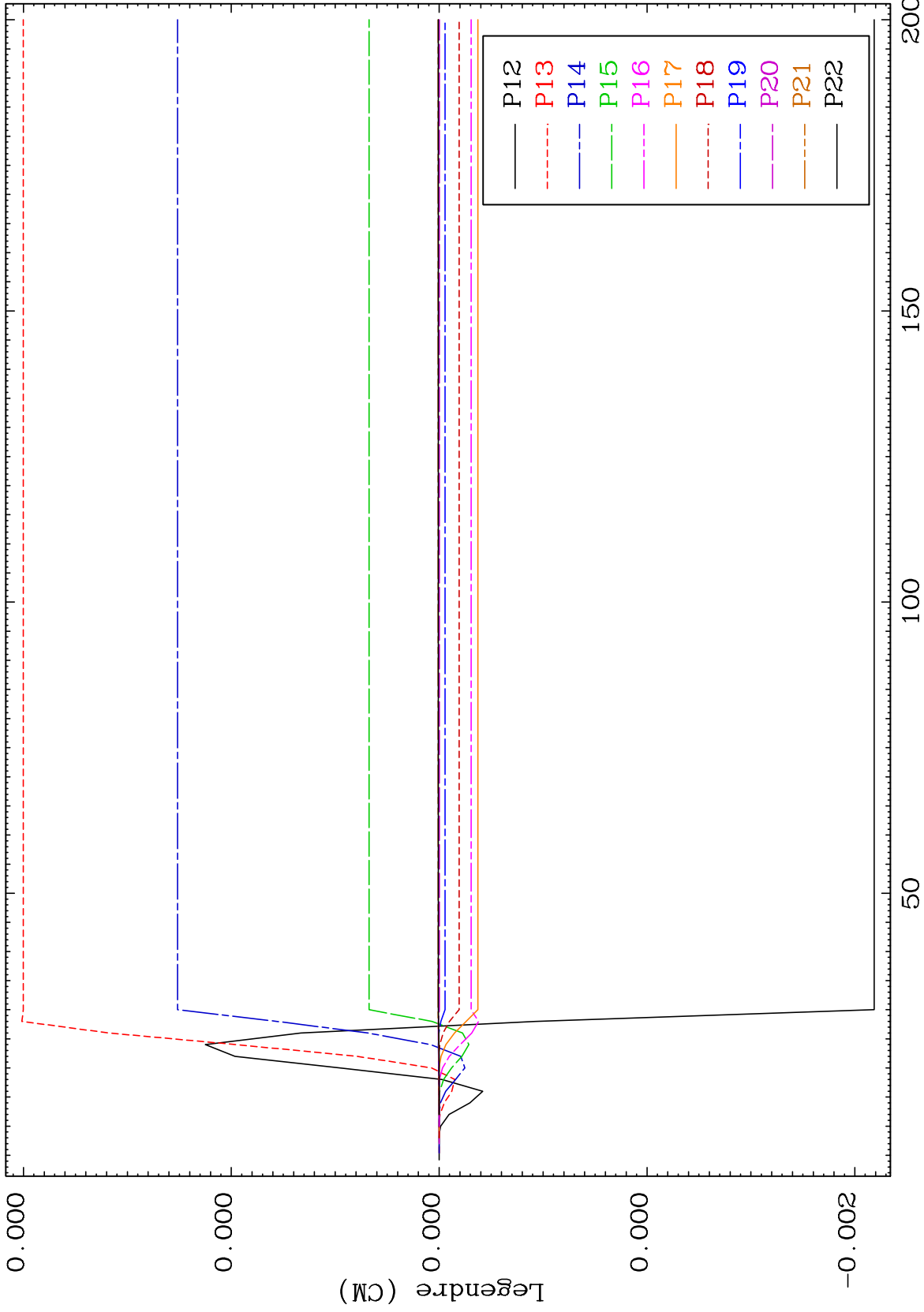
38-Sr-86



MAT 3831

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

38-Sr-86



60

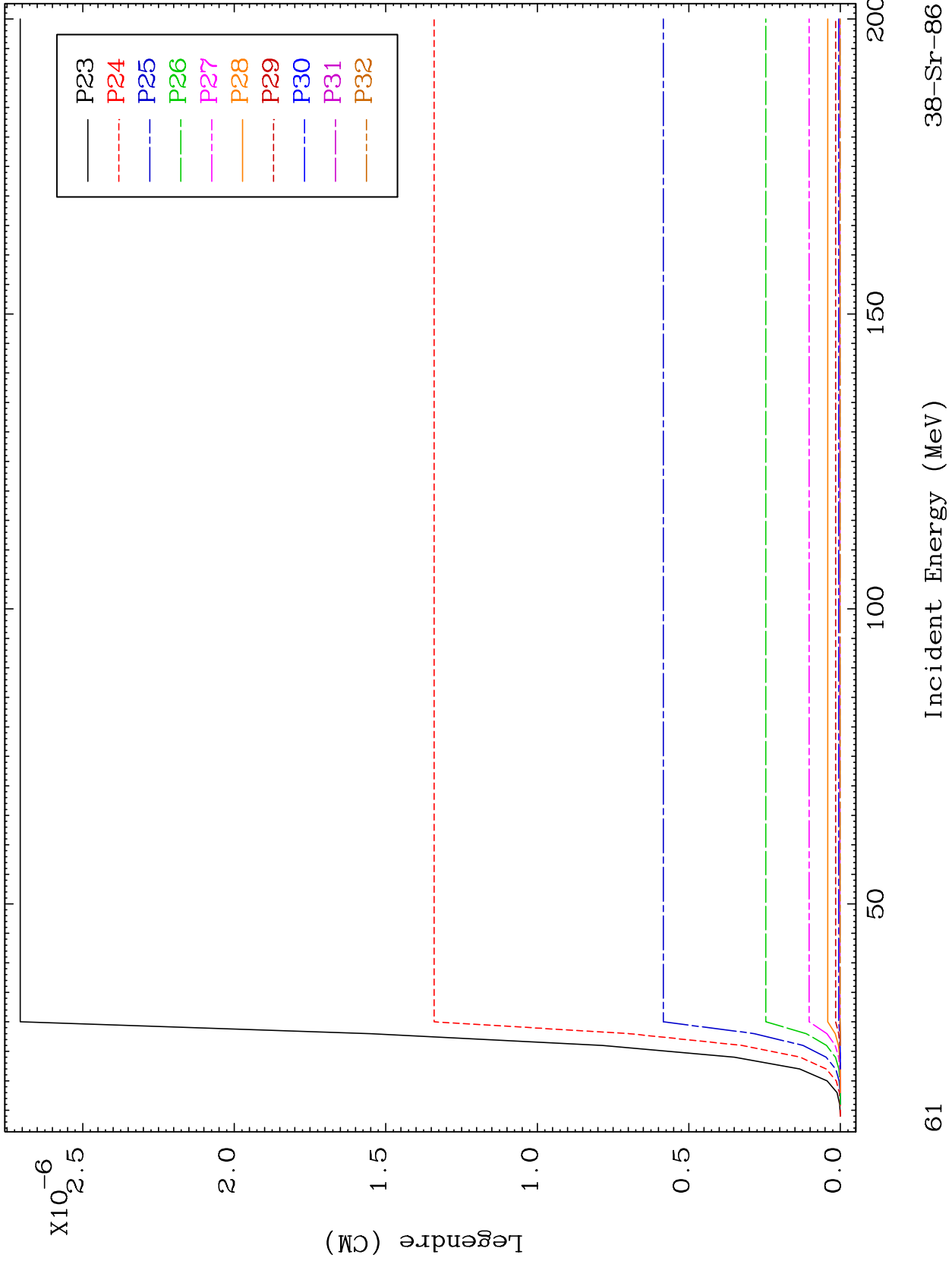
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



61

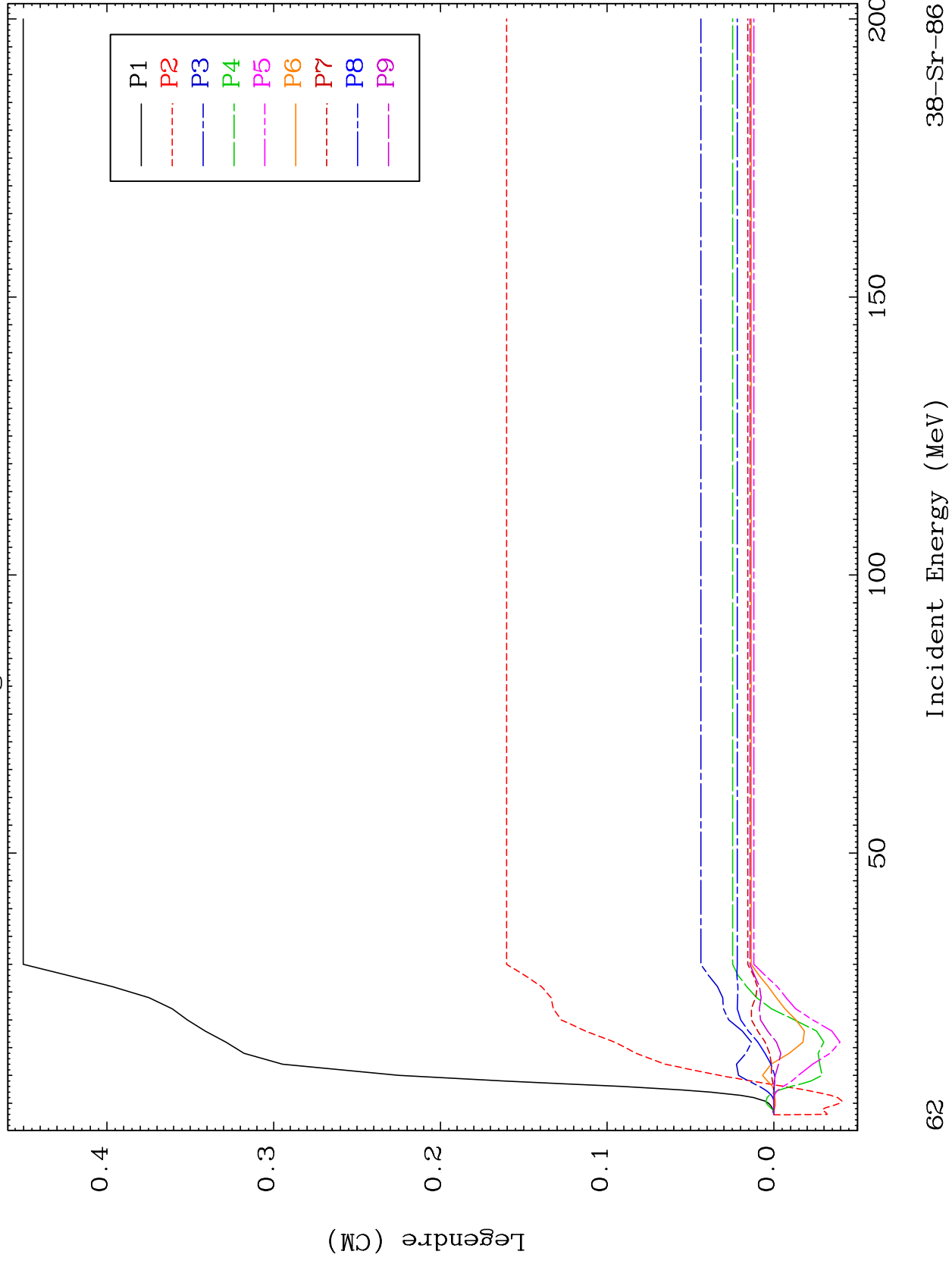
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

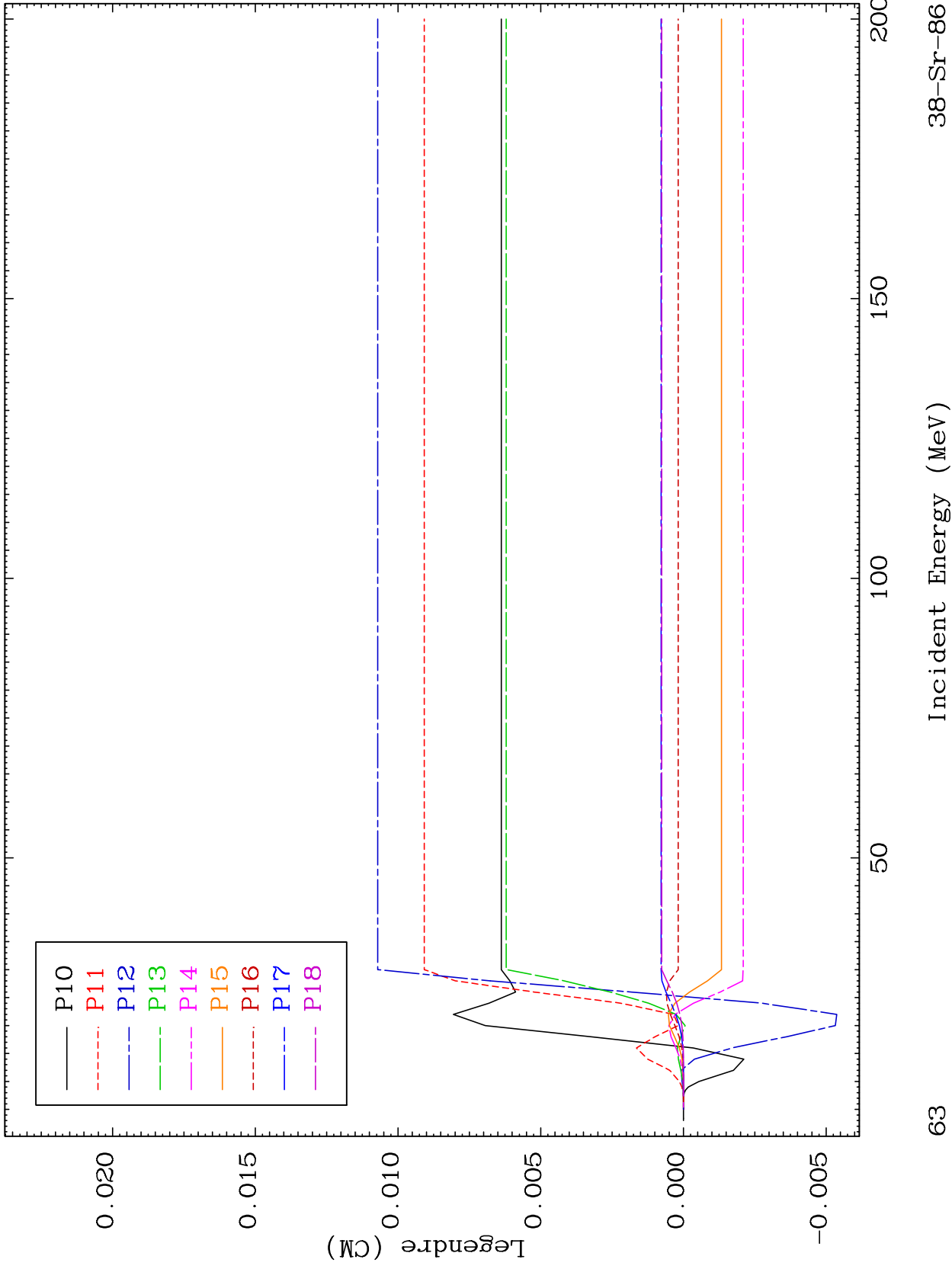
38-Sr-86

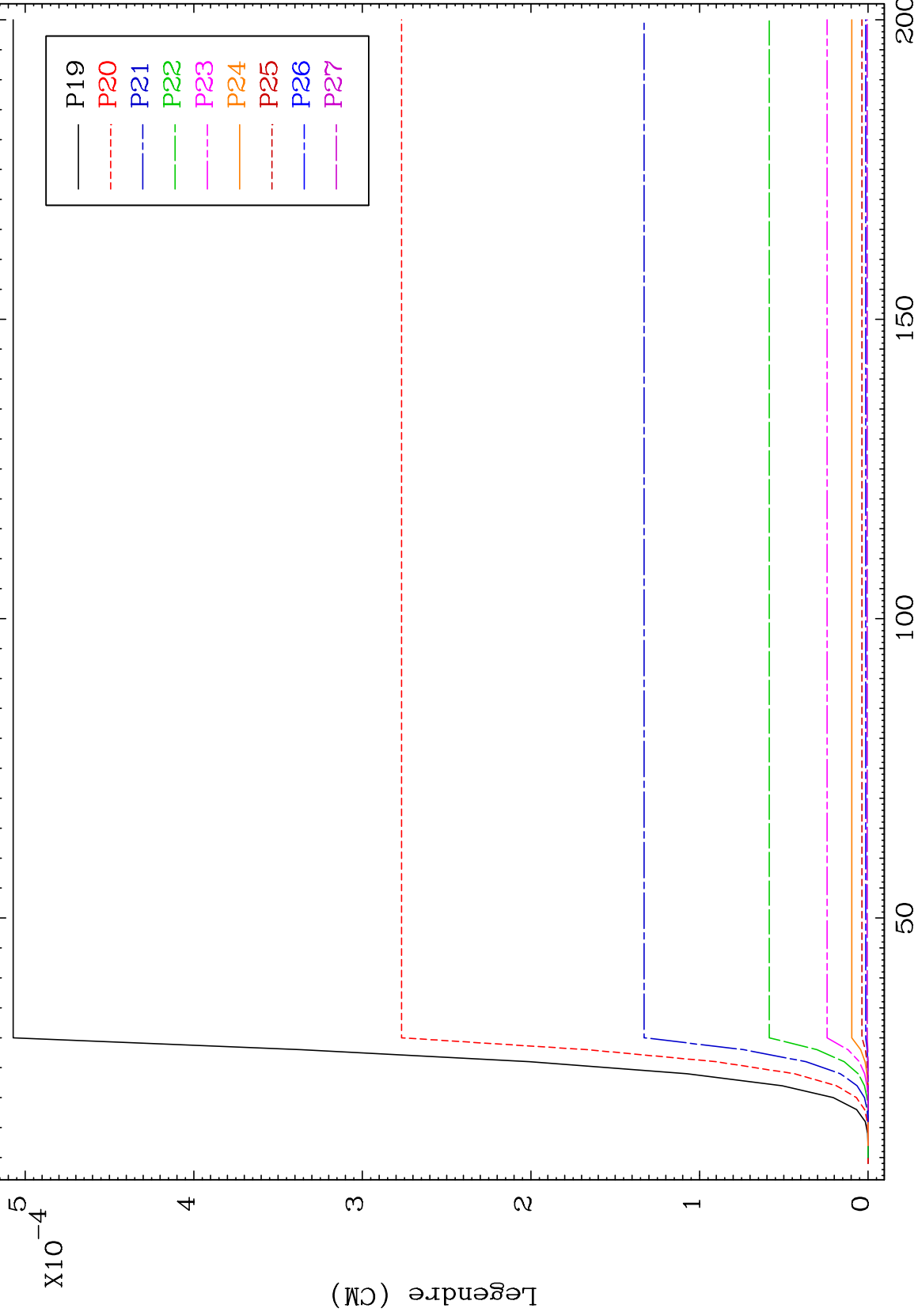


62

Incident Energy (MeV)

38-Sr-86

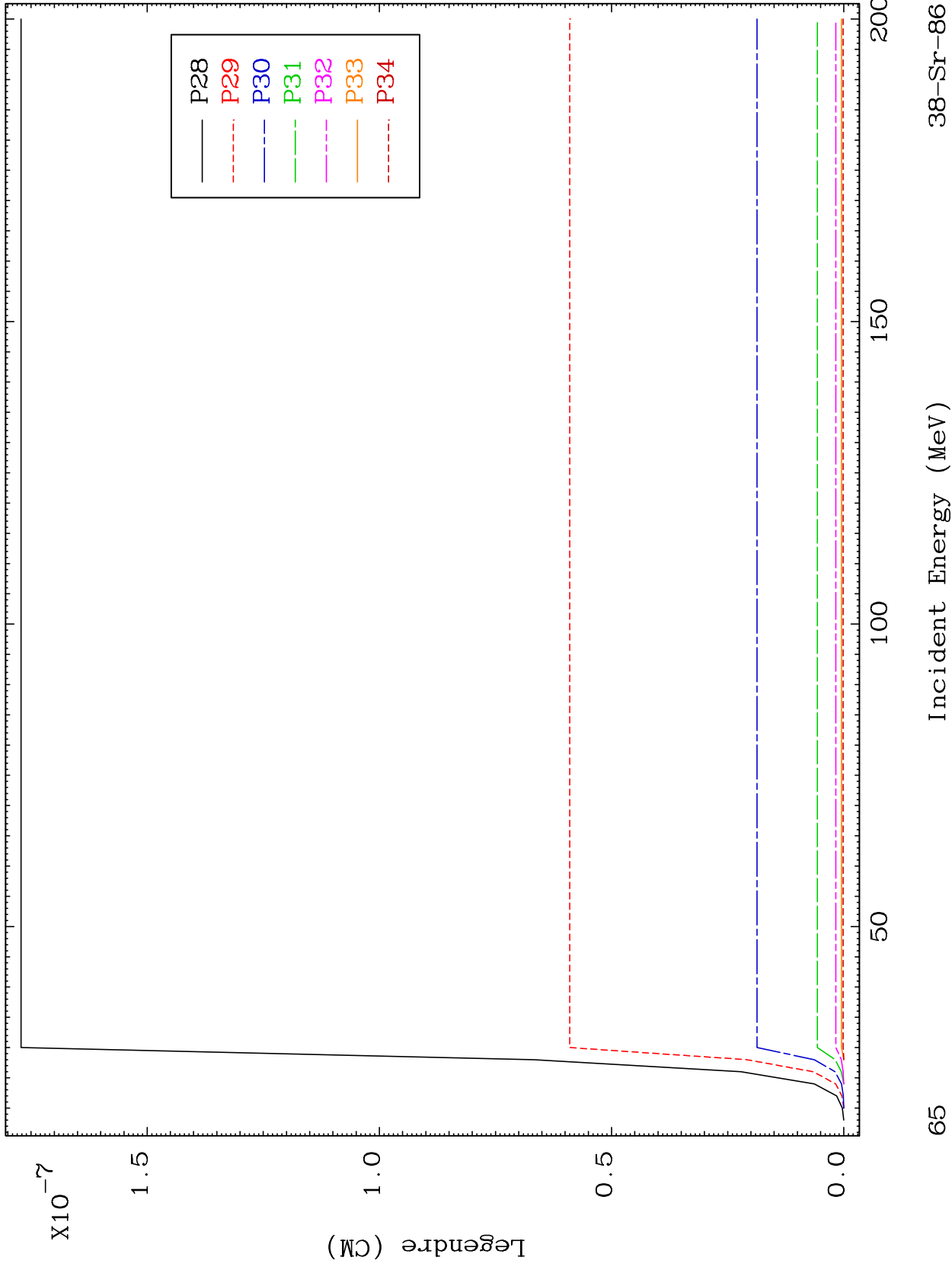




MAT 3831

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

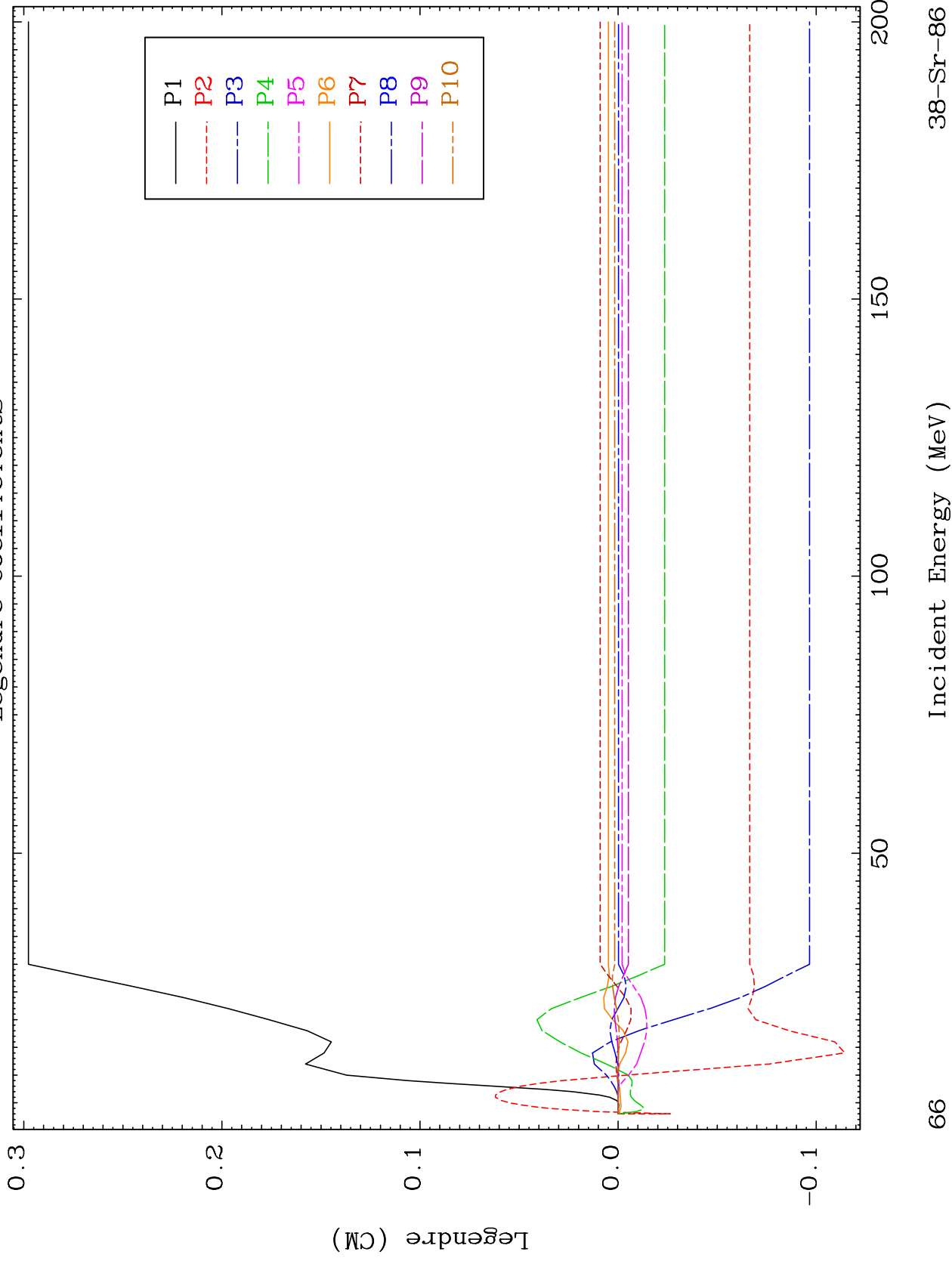
38-Sr-86



65

Incident Energy (MeV)

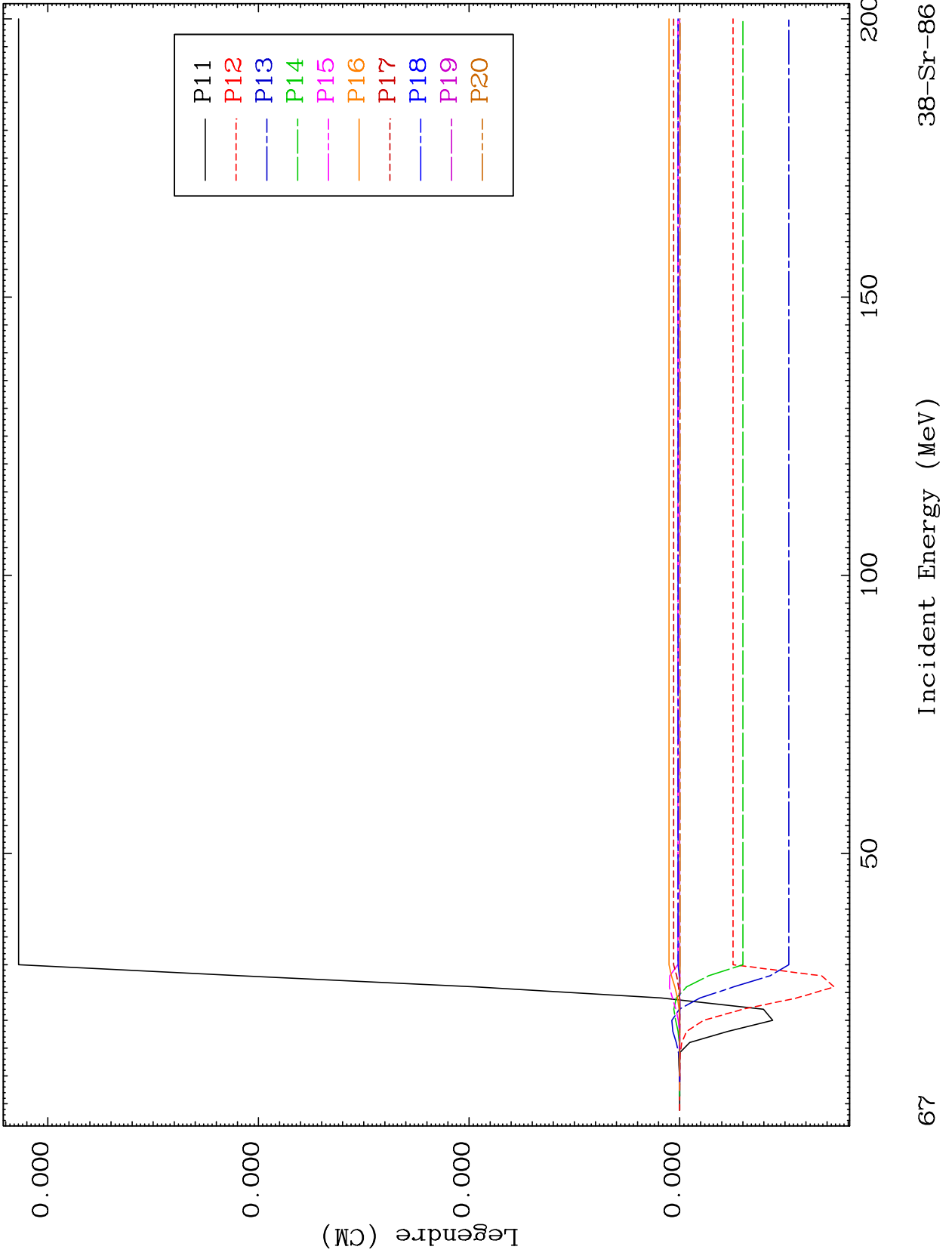
38-Sr-86



MAT 3831

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

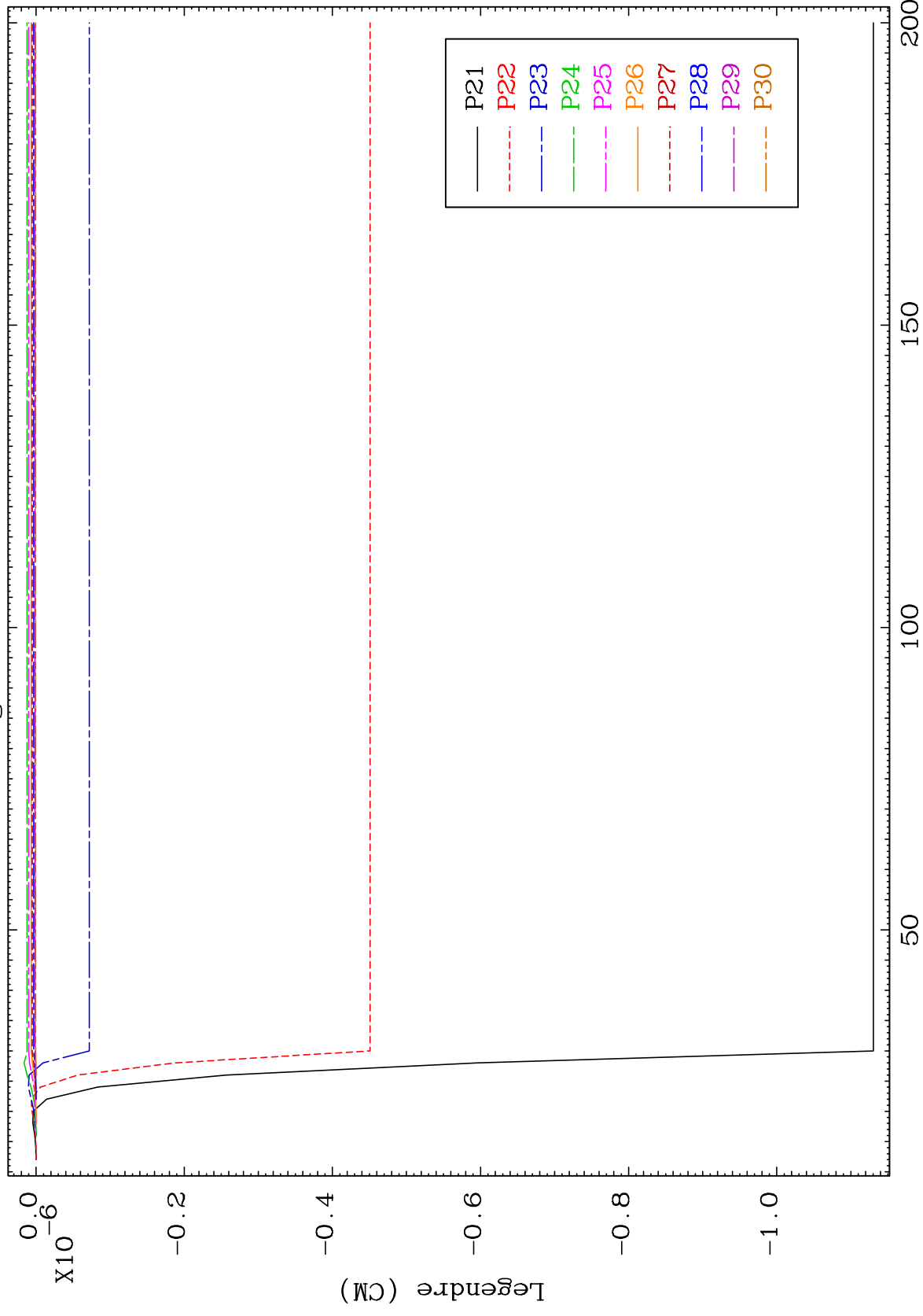
38-Sr-86



MAT 3831

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

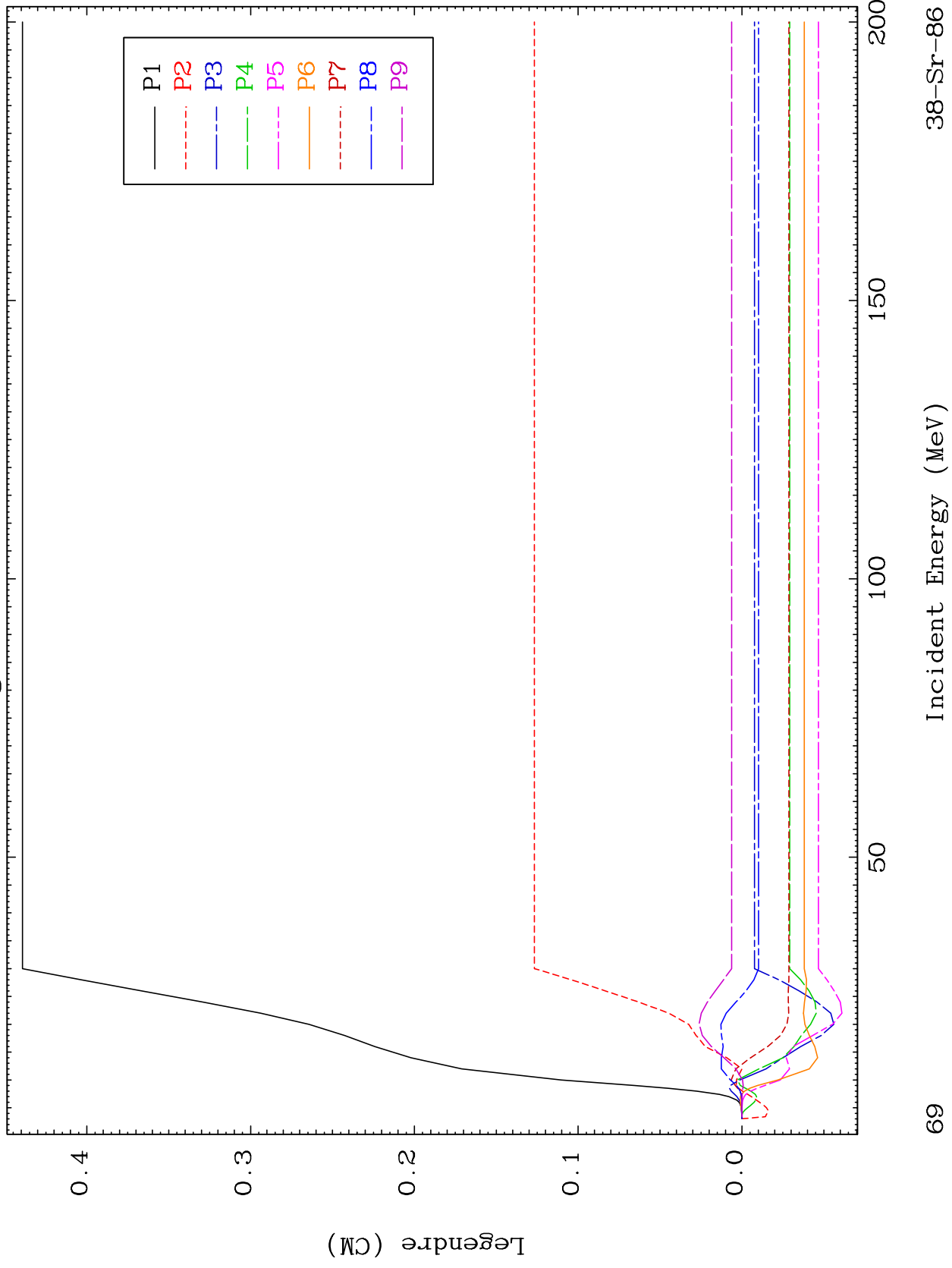
38-Sr-86



68

Incident Energy (MeV)

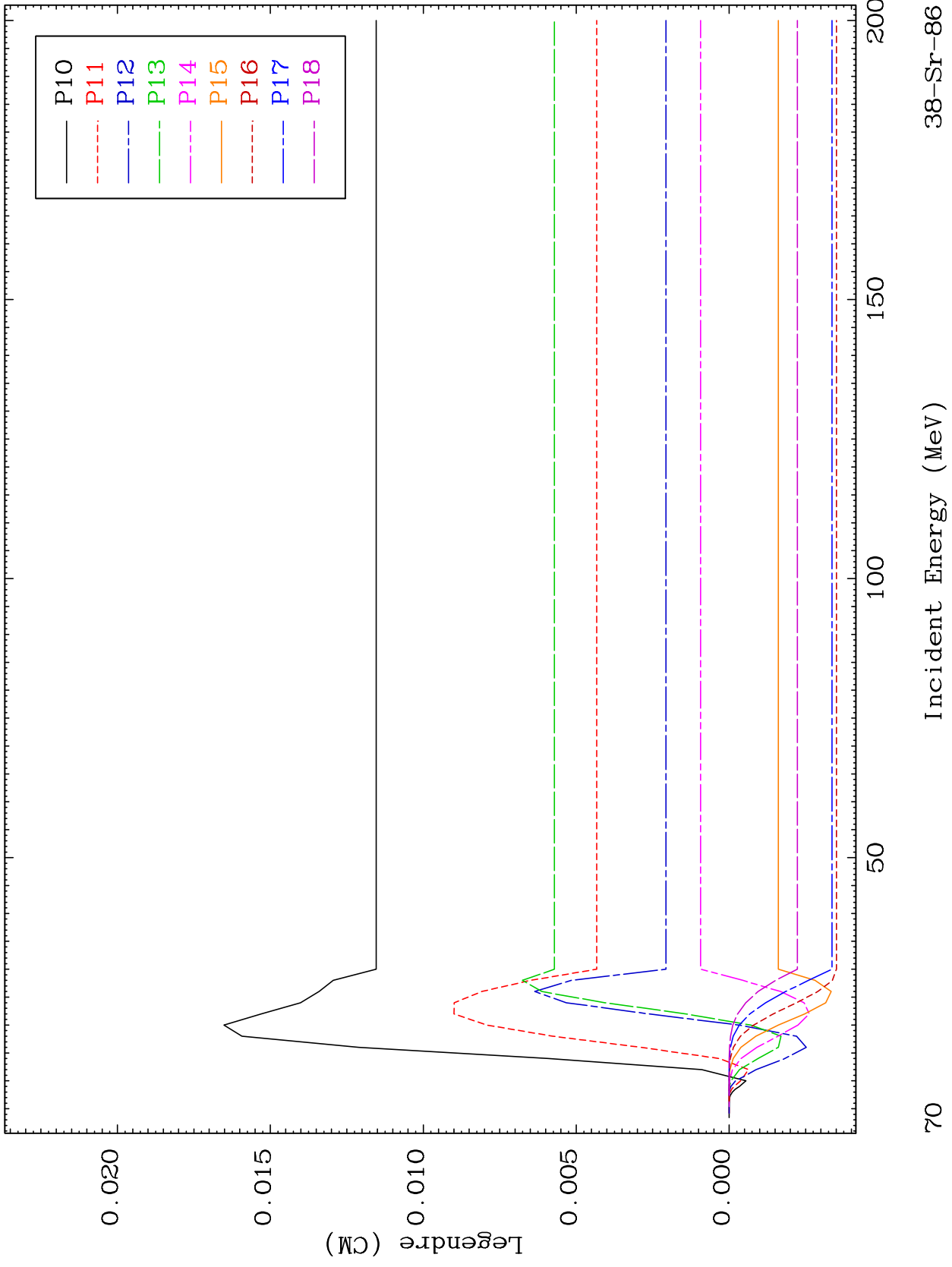
38-Sr-86



MAT 3831

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

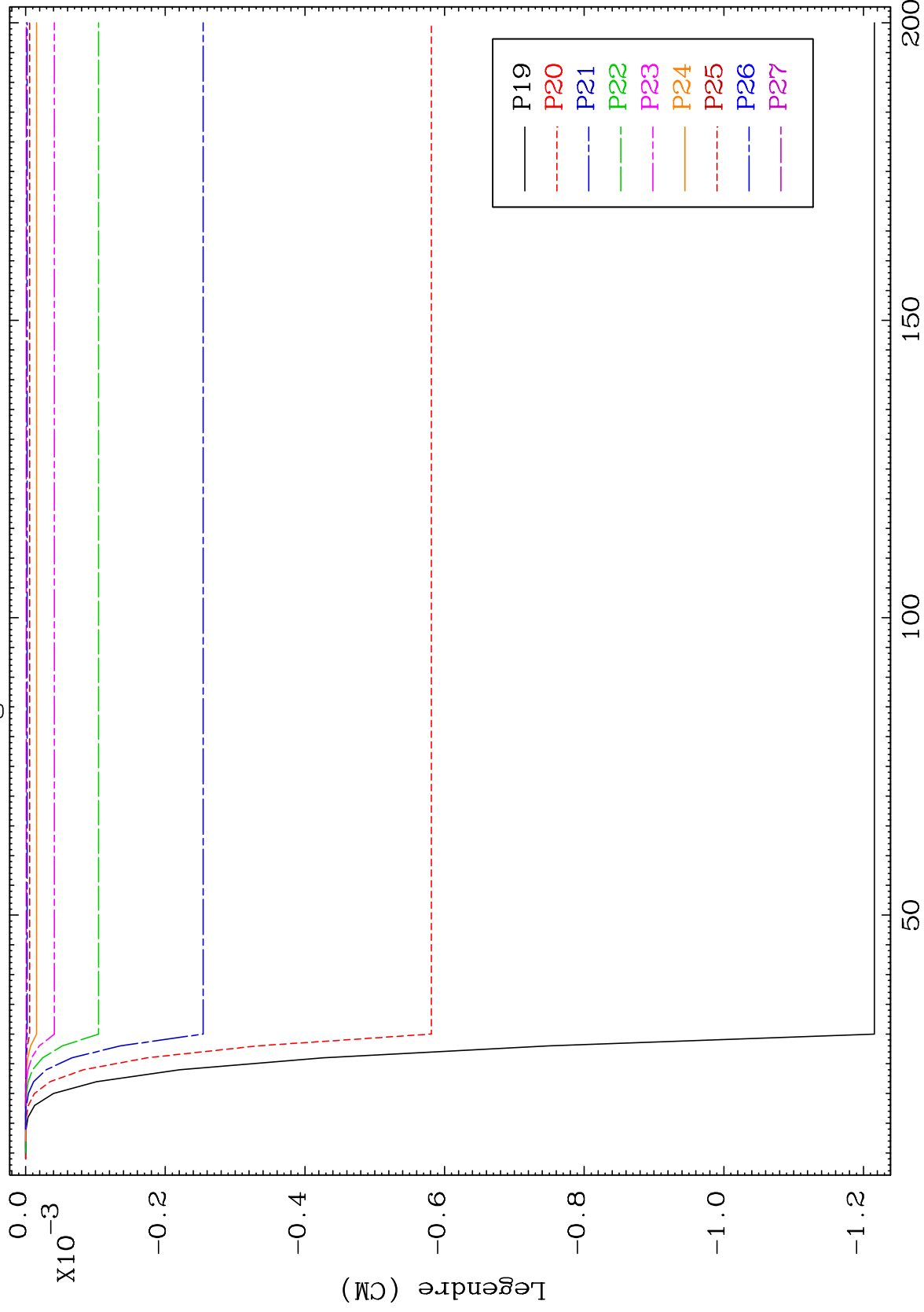
38-Sr-86



70

Incident Energy (MeV)

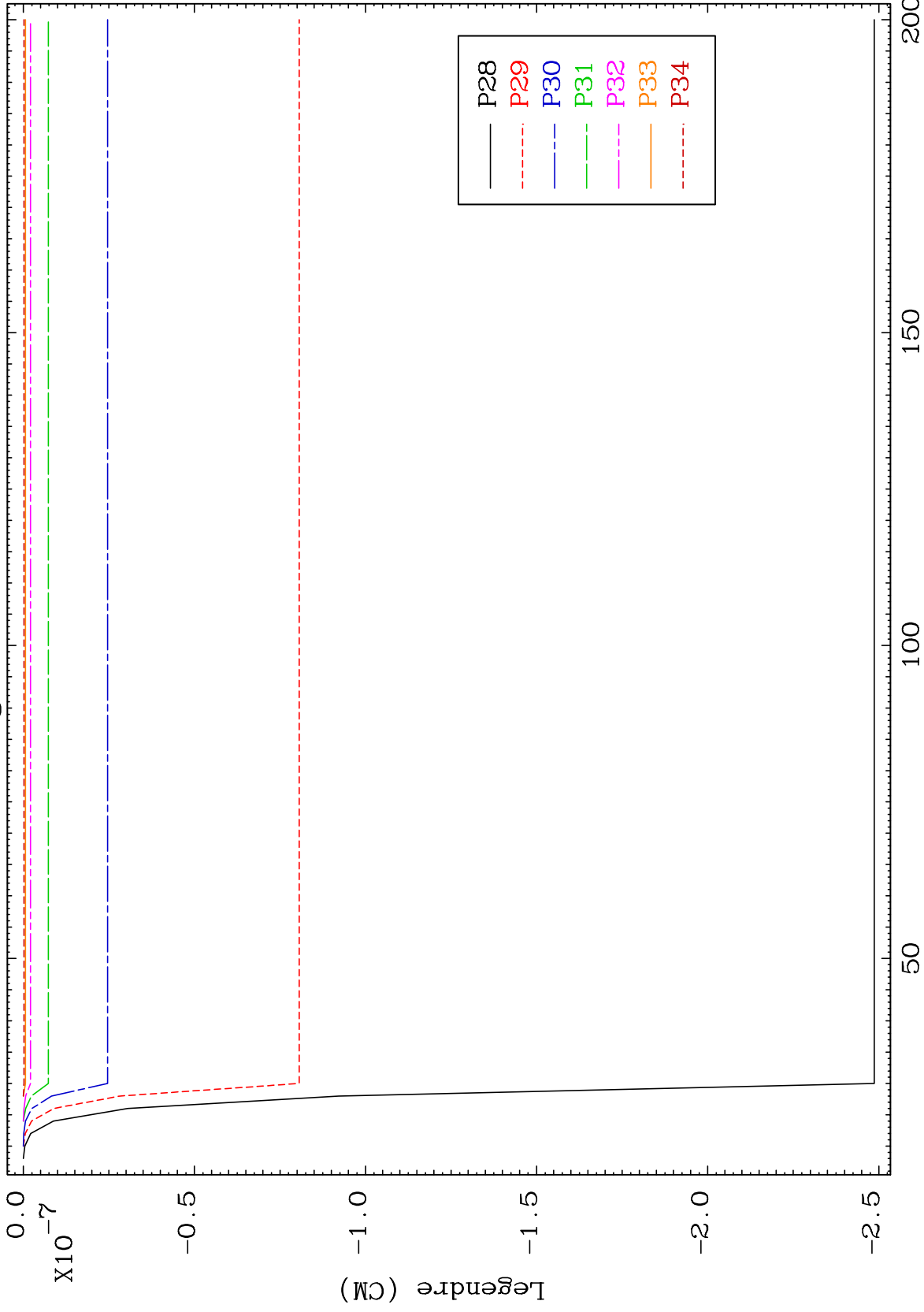
38-Sr-86



MAT 3831

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

38-Sr-86



72

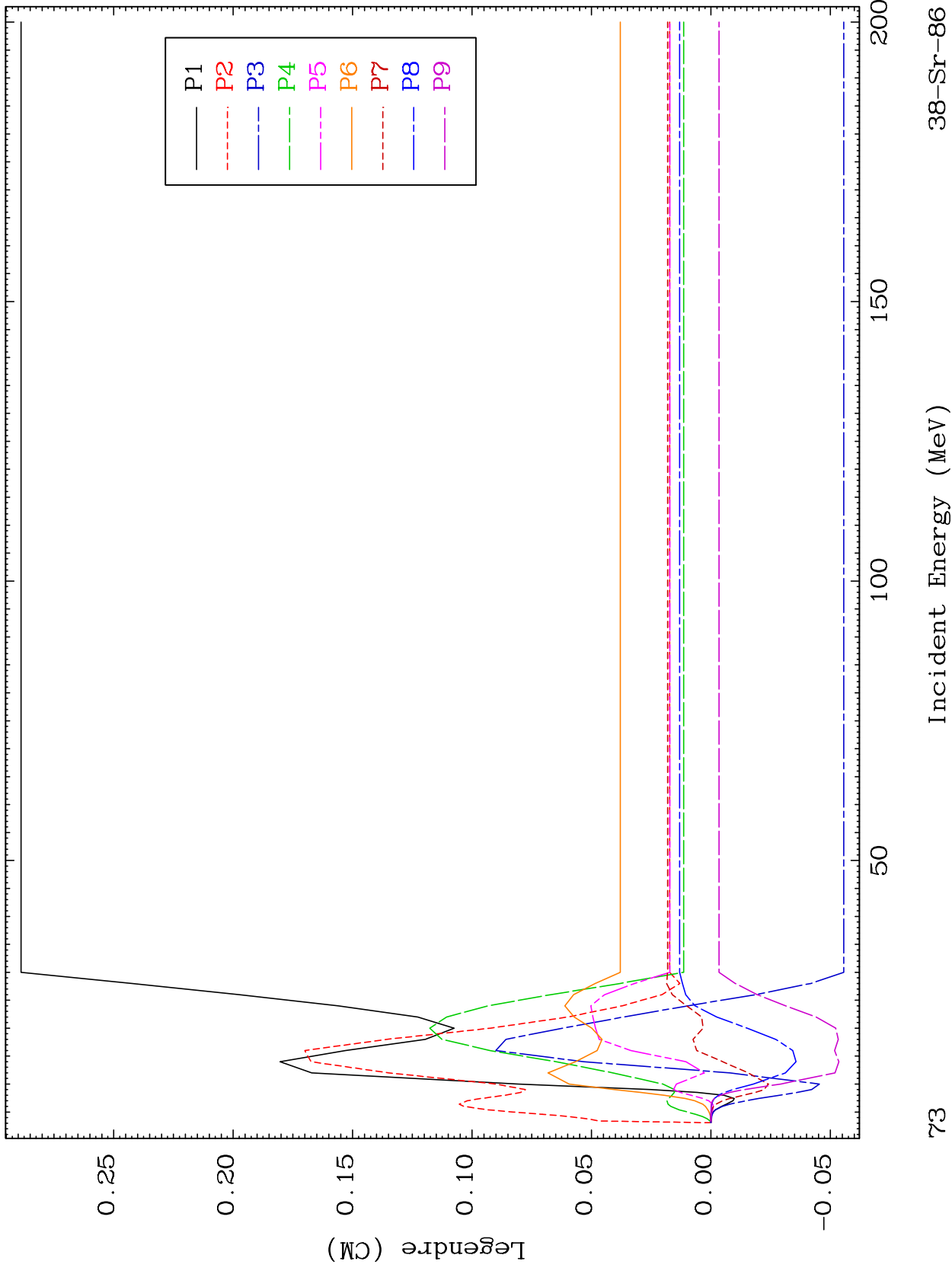
Incident Energy (MeV)

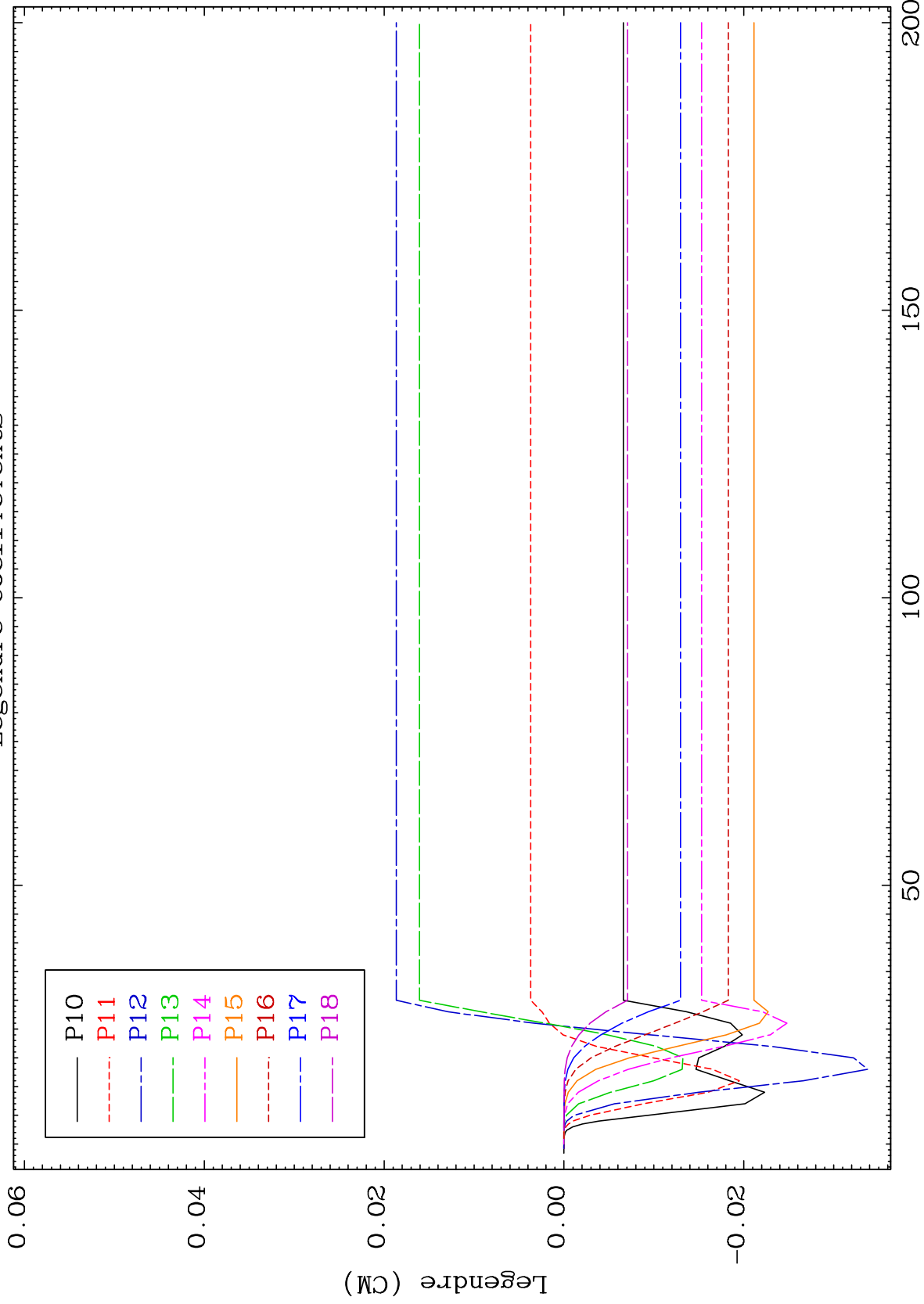
38-Sr-86

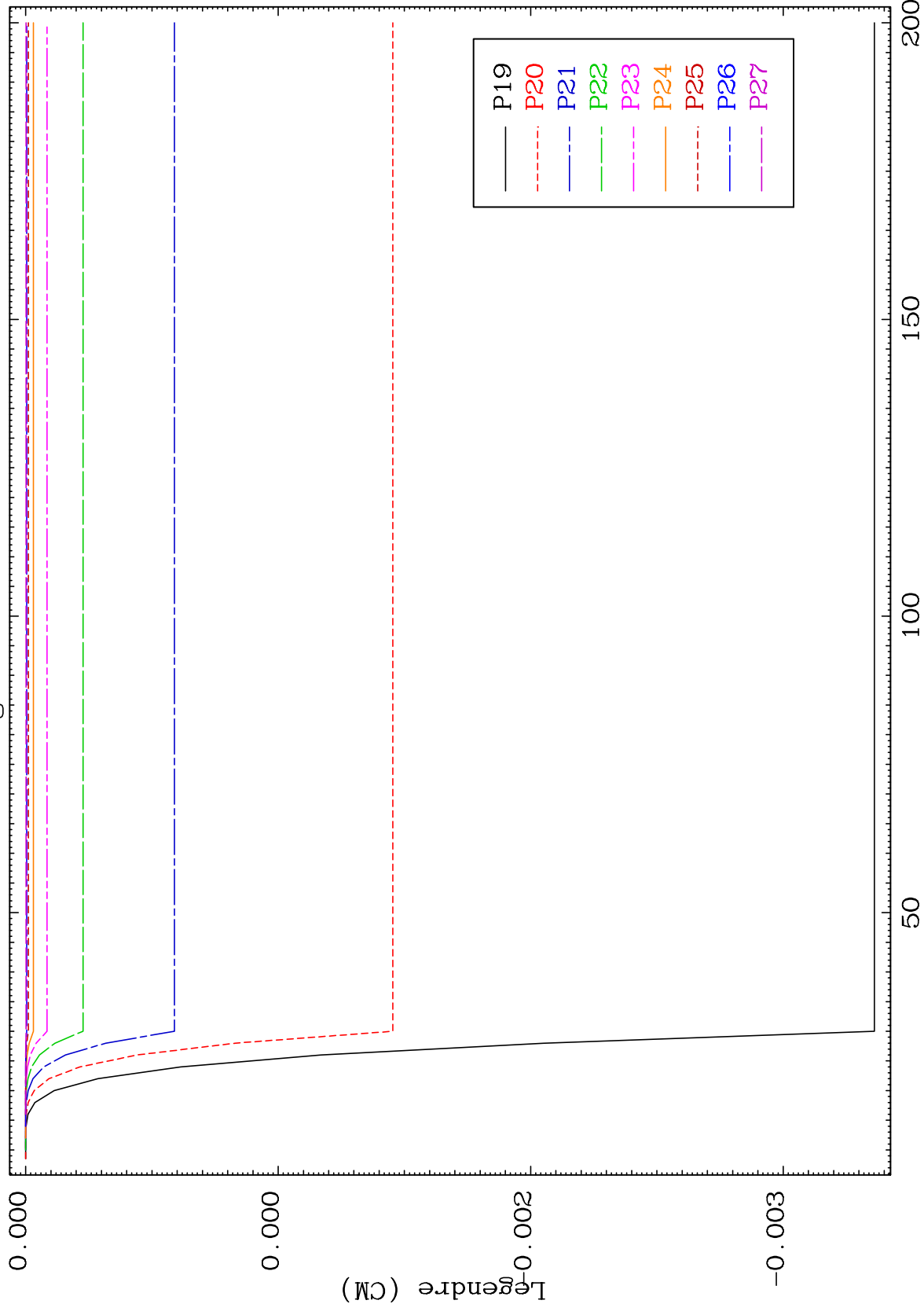
MAT 3831

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

38-Sr-86



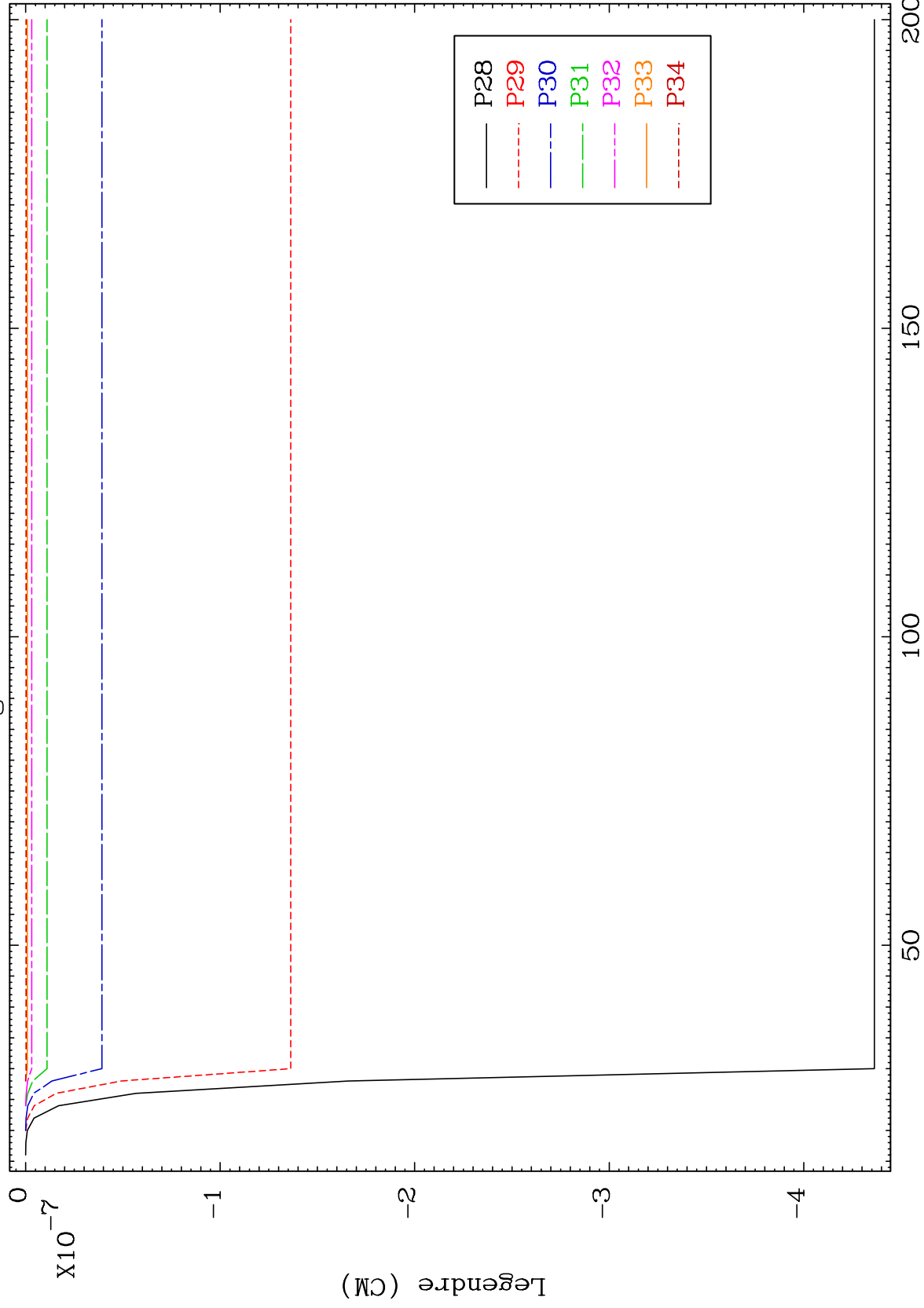




MAT 3831

38-Sr-86

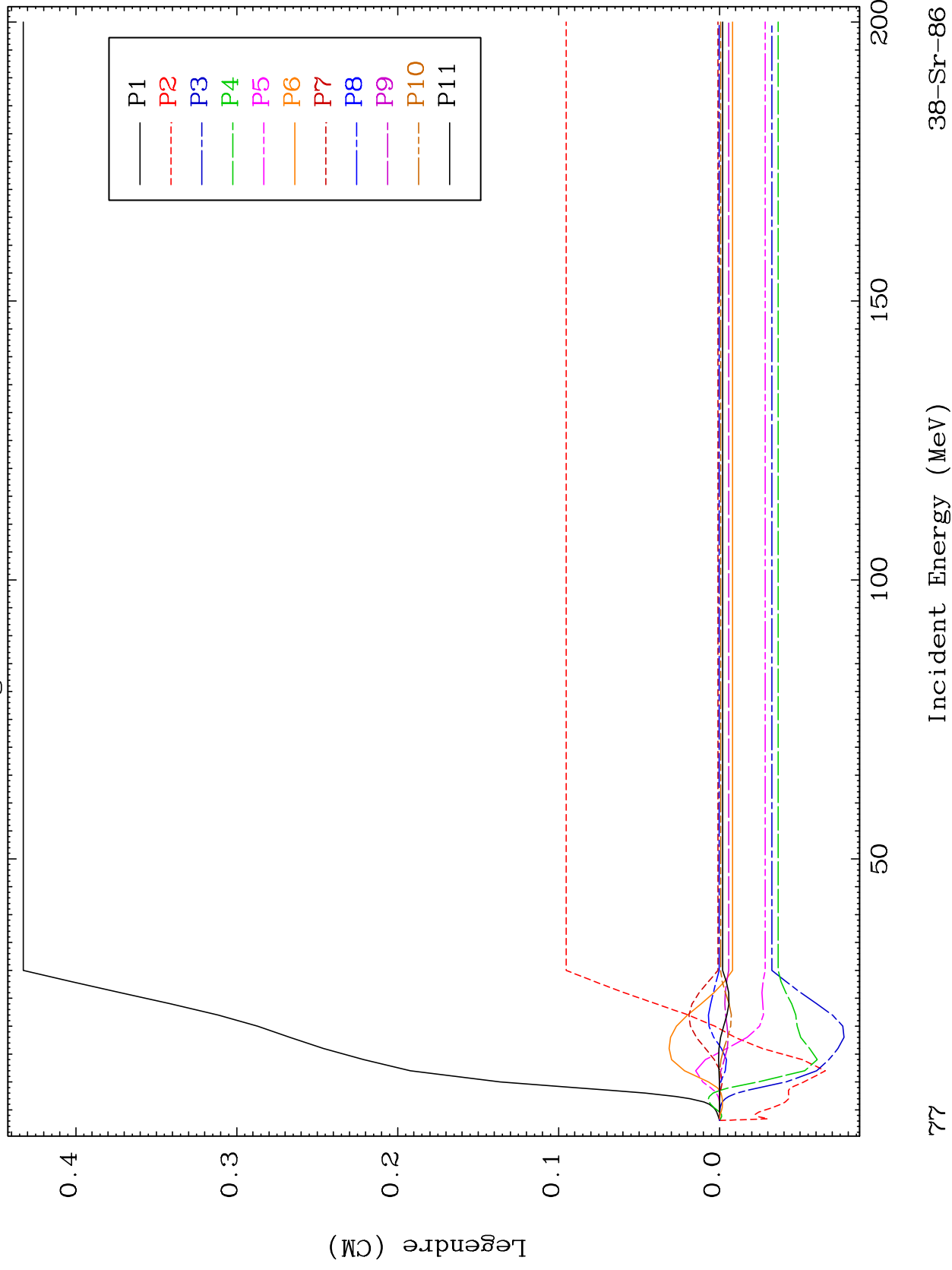
MT= 66 (n,n') Level
Legendre Coefficients



76

Incident Energy (MeV)

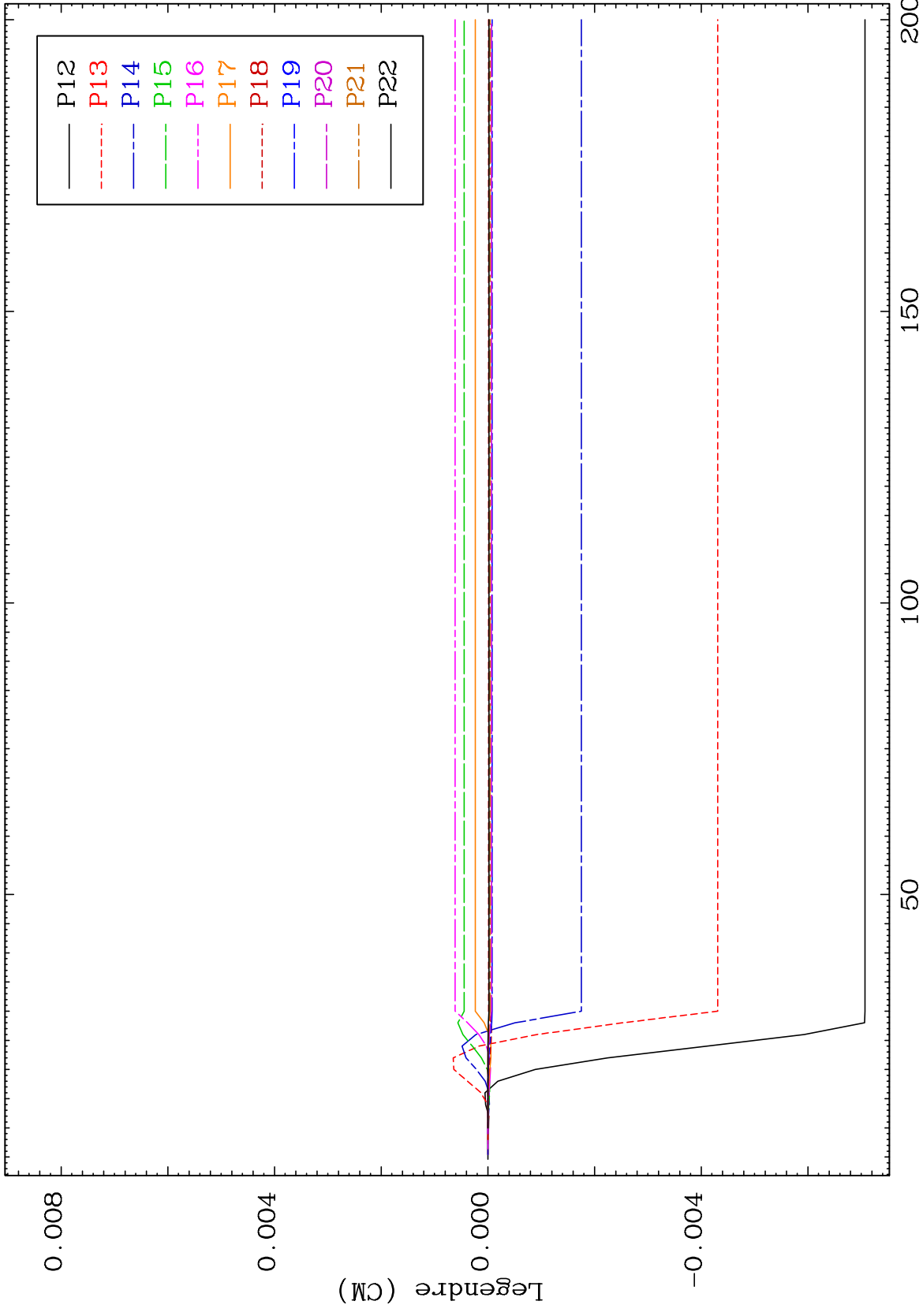
38-Sr-86



MAT 3831

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

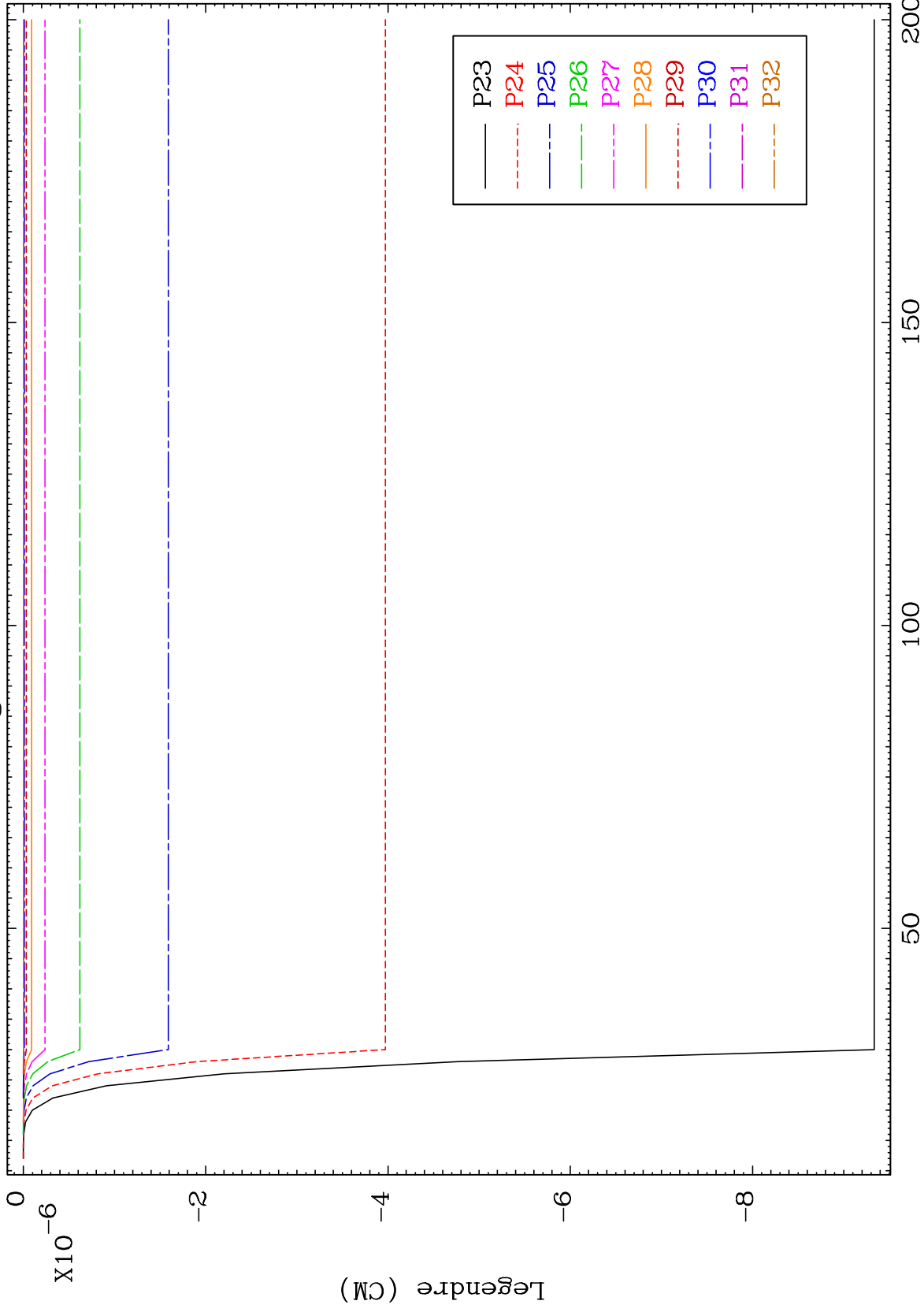
38-Sr-86

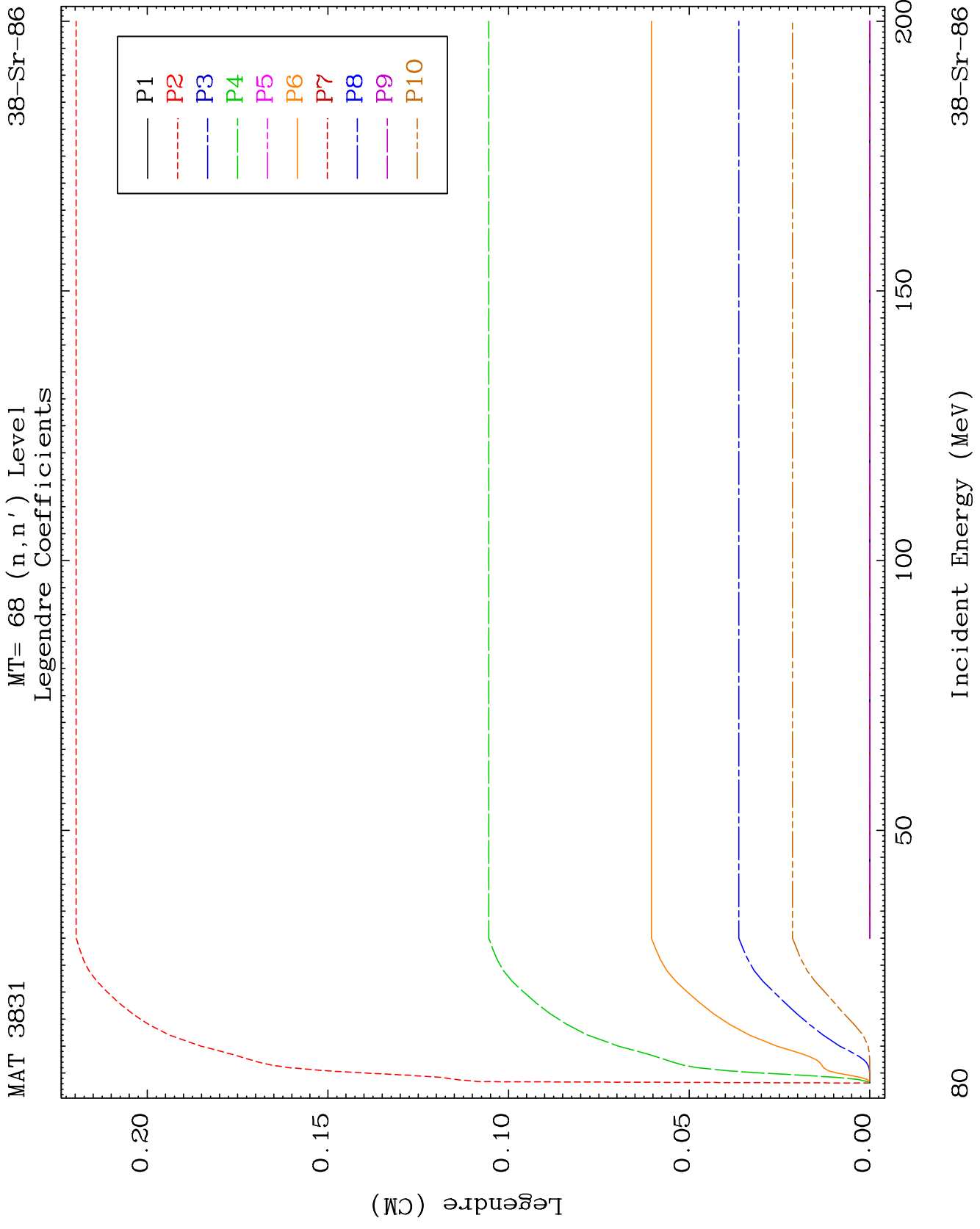


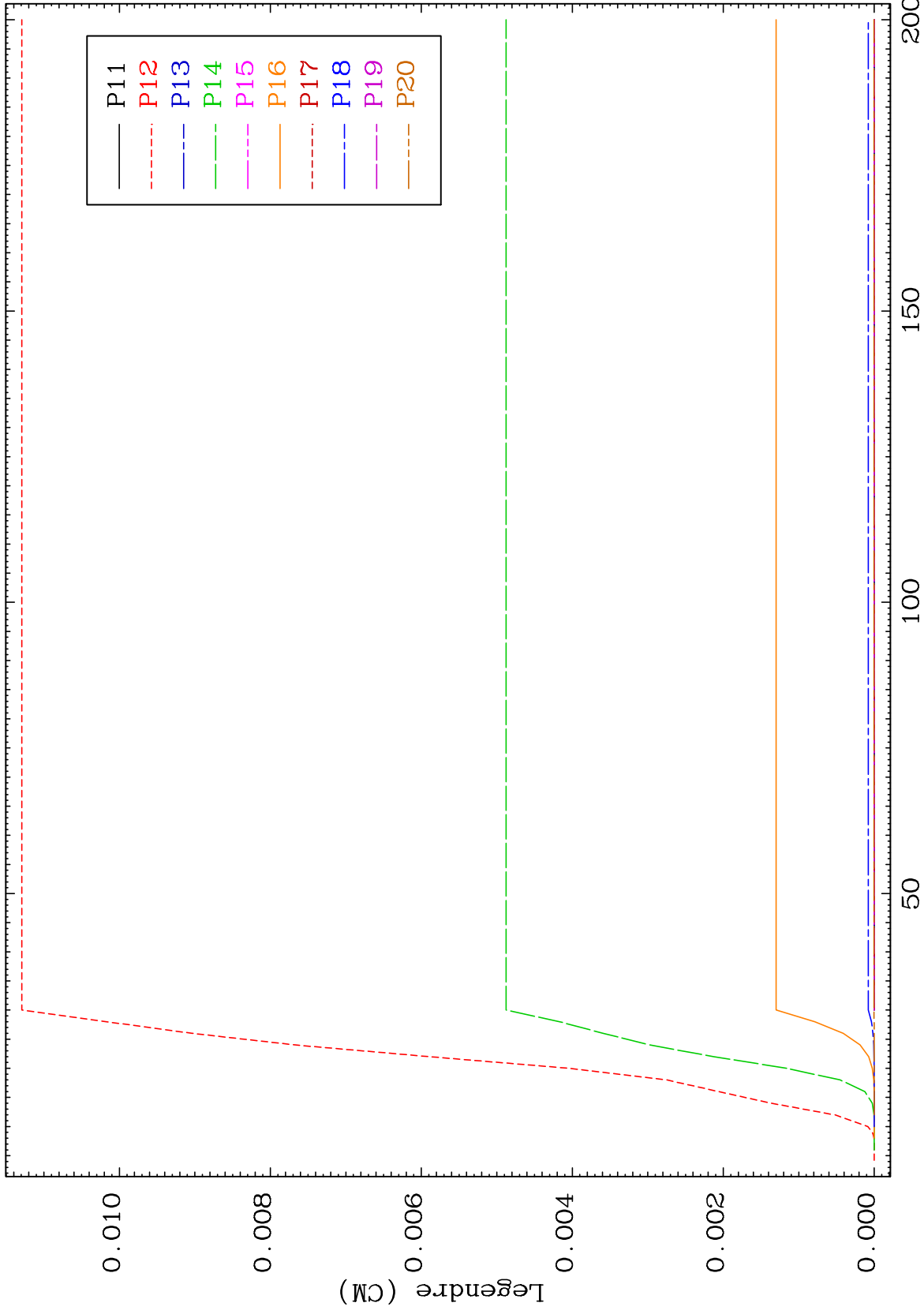
78

Incident Energy (MeV)

38-Sr-86



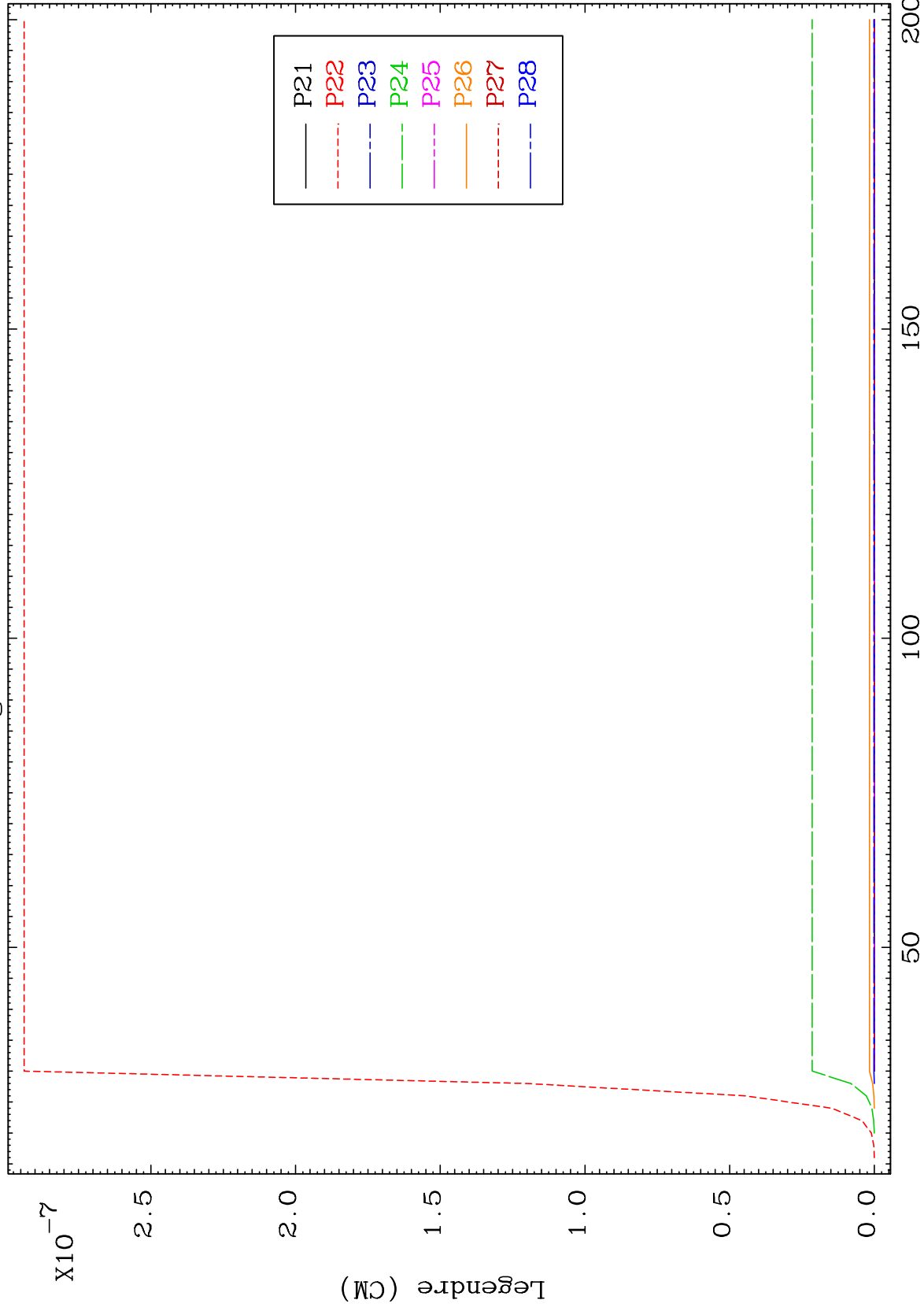




MAT 3831

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

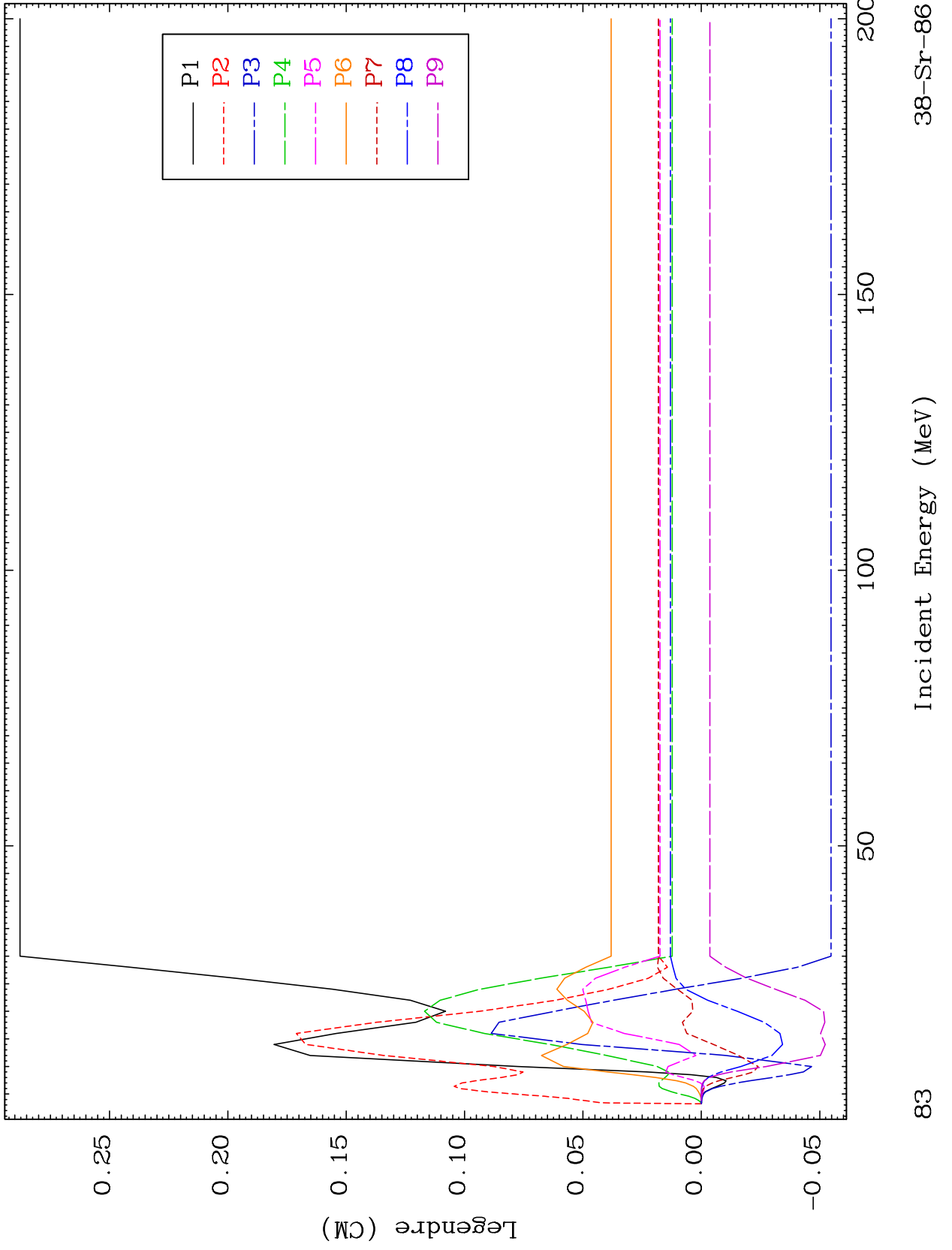
38-Sr-86

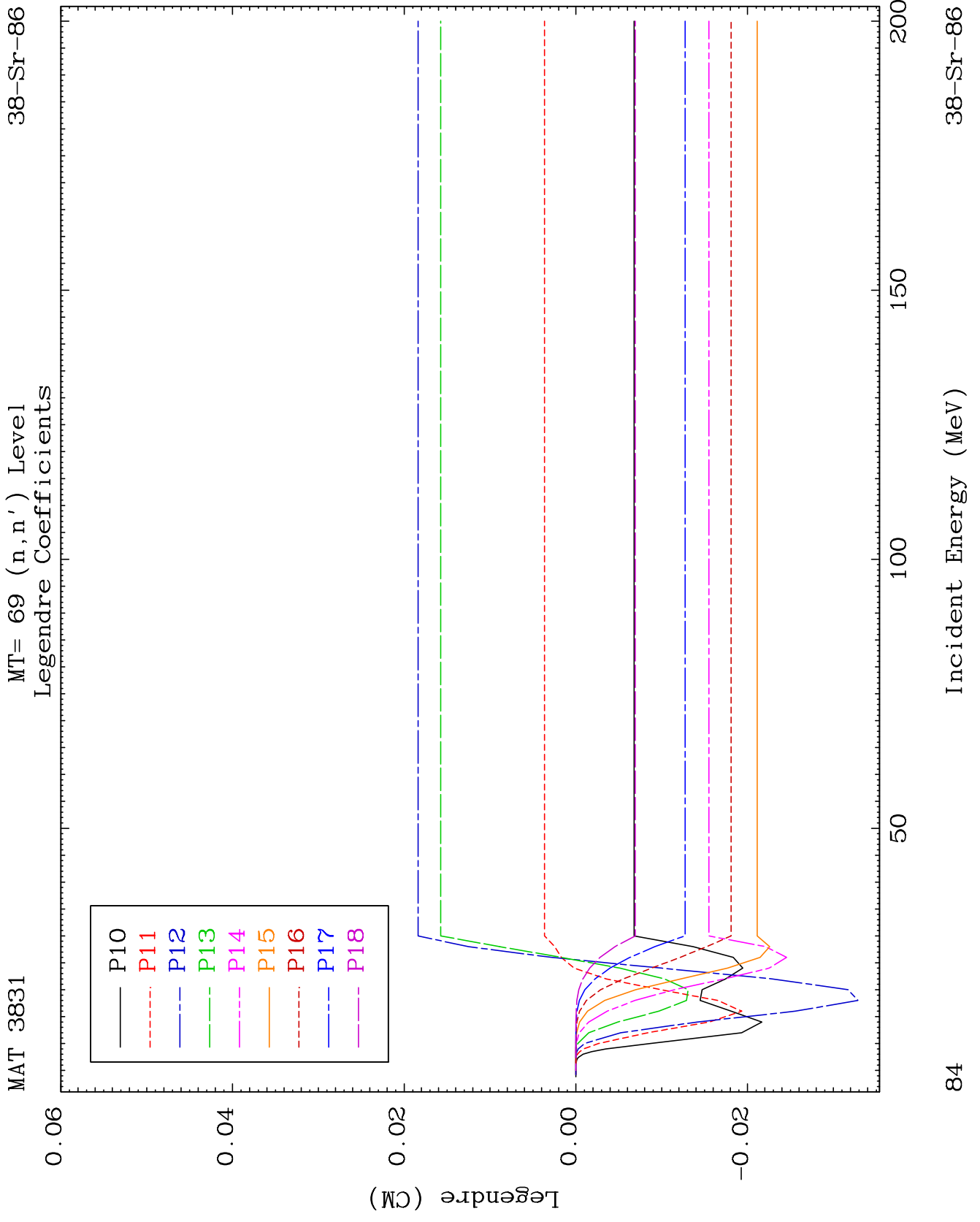


82

Incident Energy (MeV)

38-Sr-86

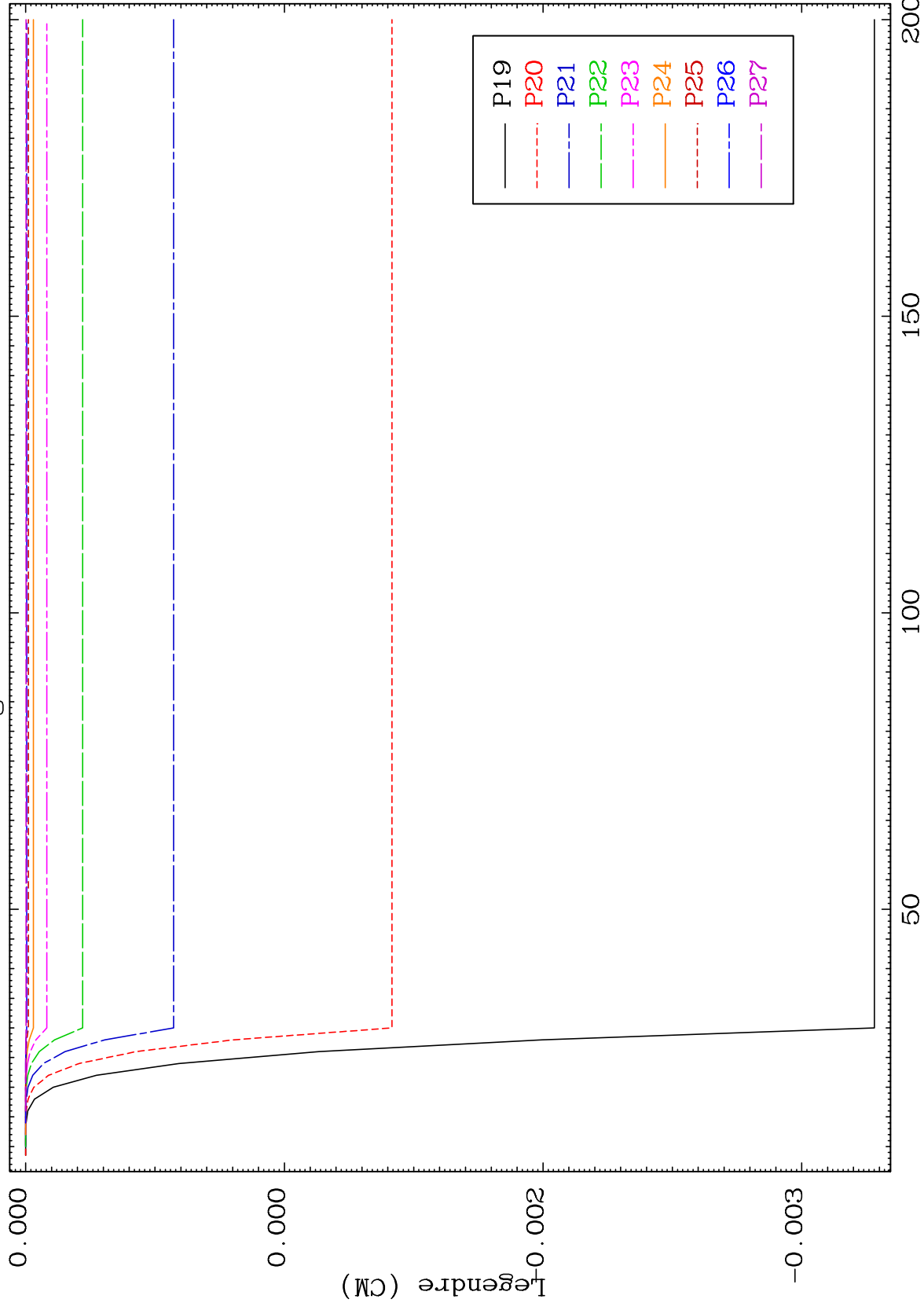




MAT 3831

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

38-Sr-86



85

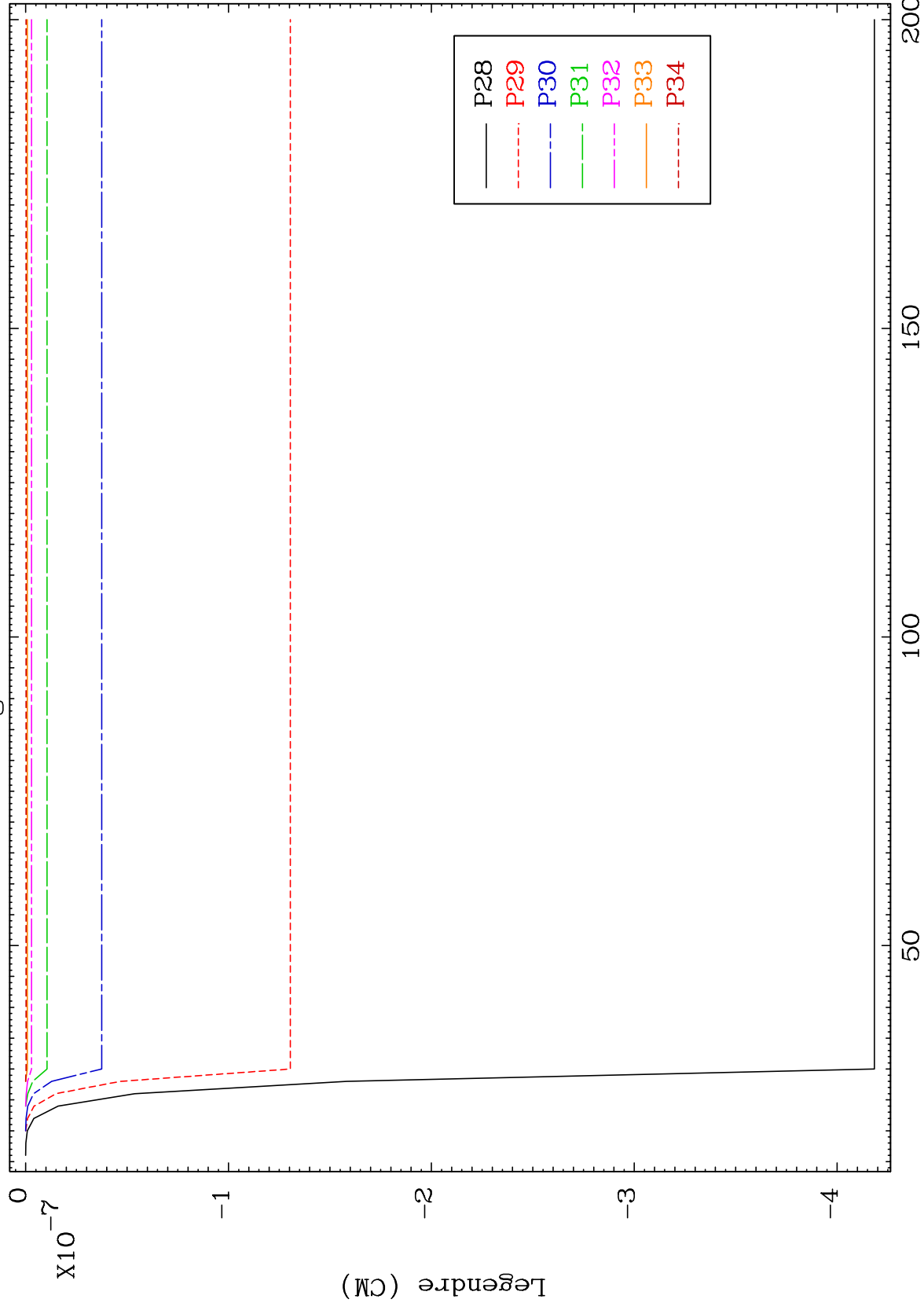
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

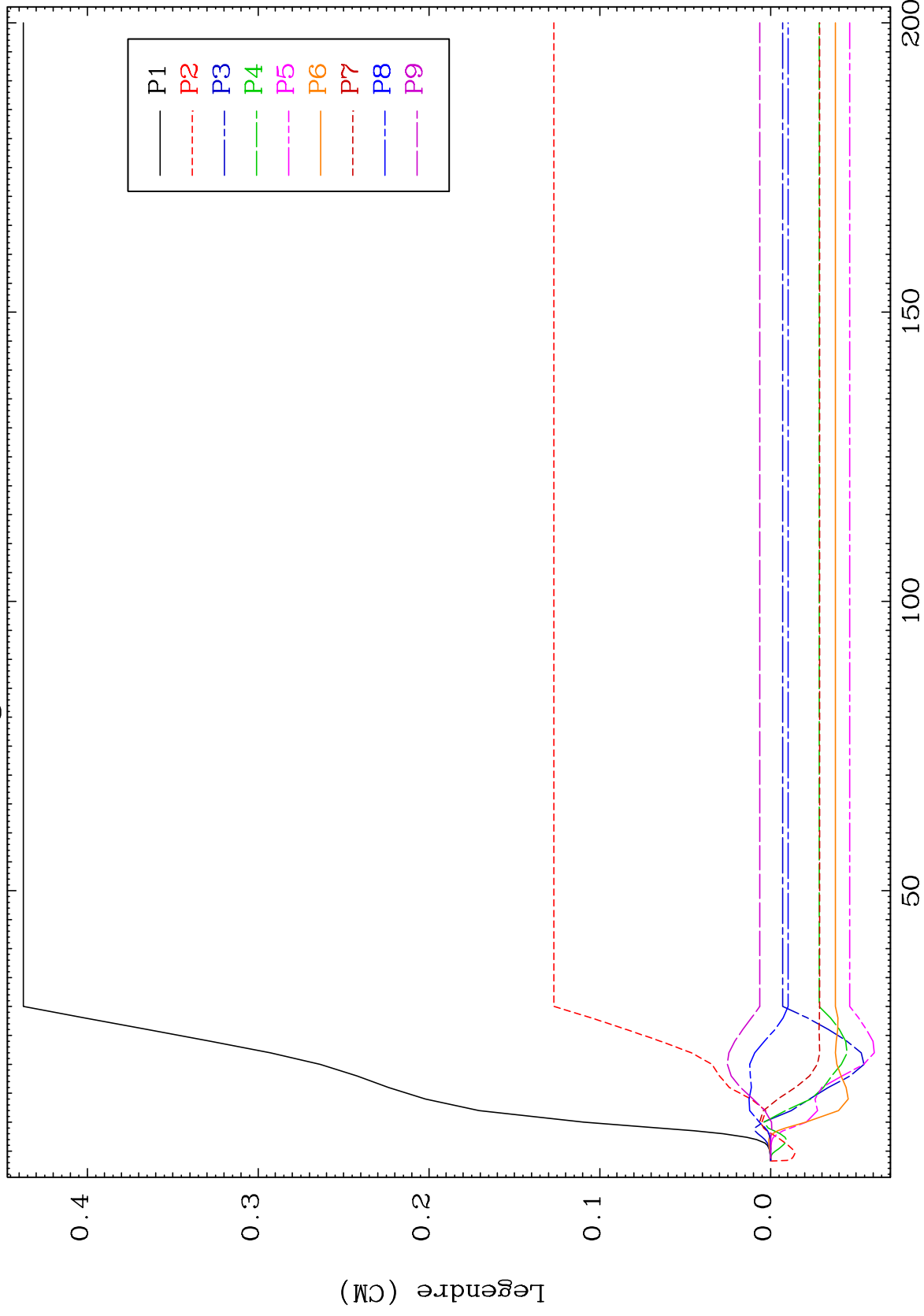
MT= 69 (n,n') Level
Legendre Coefficients

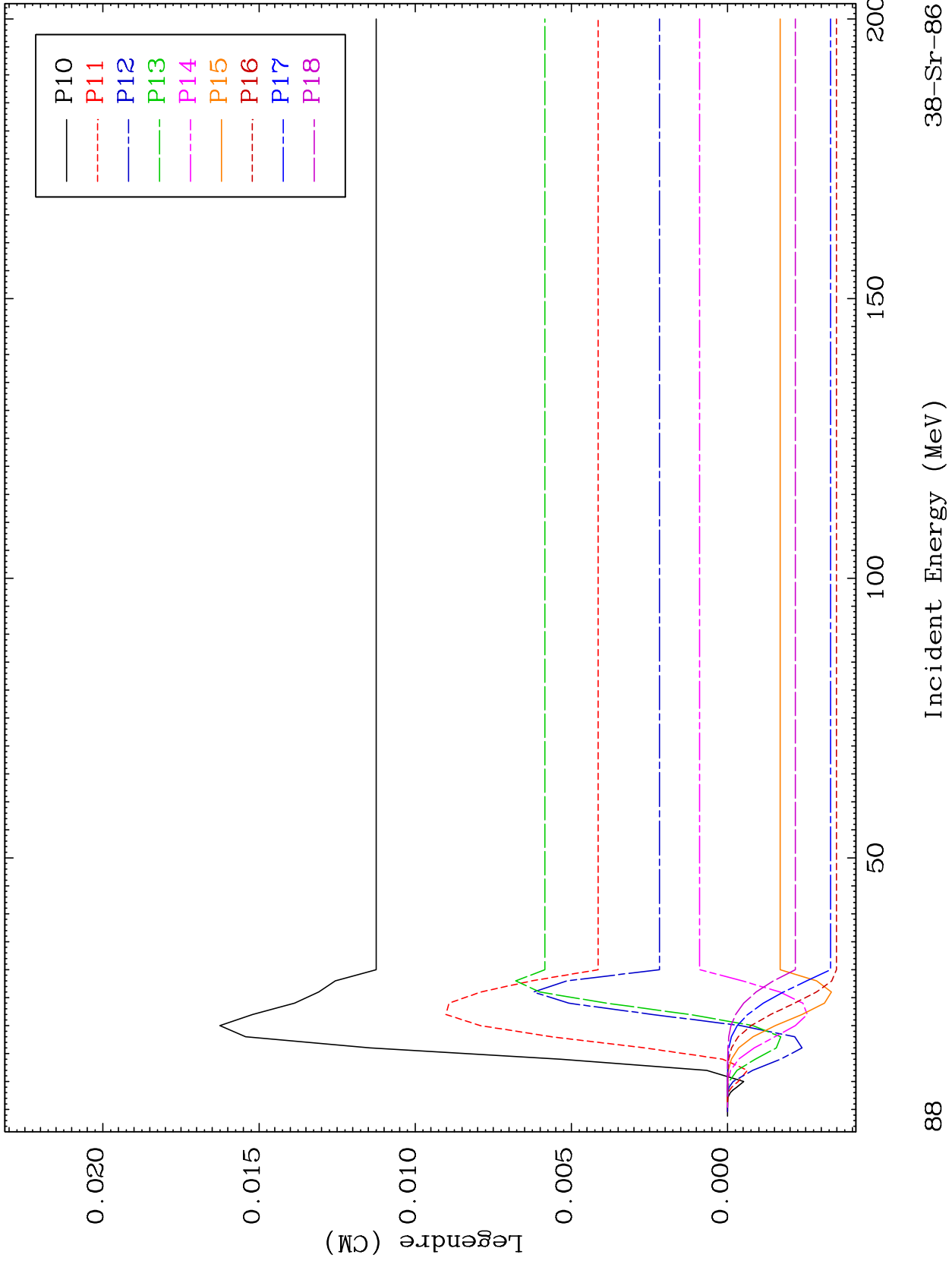


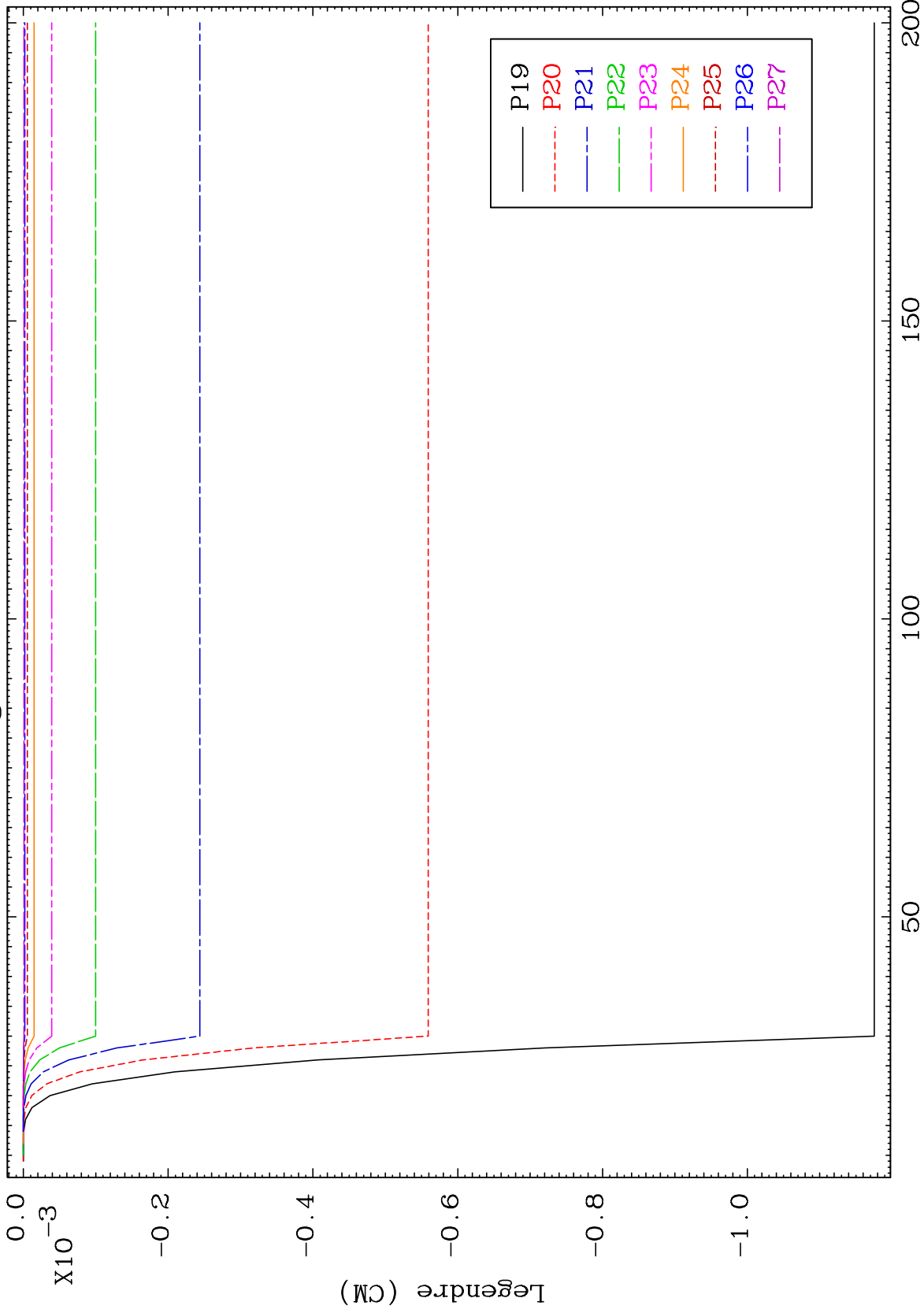
86

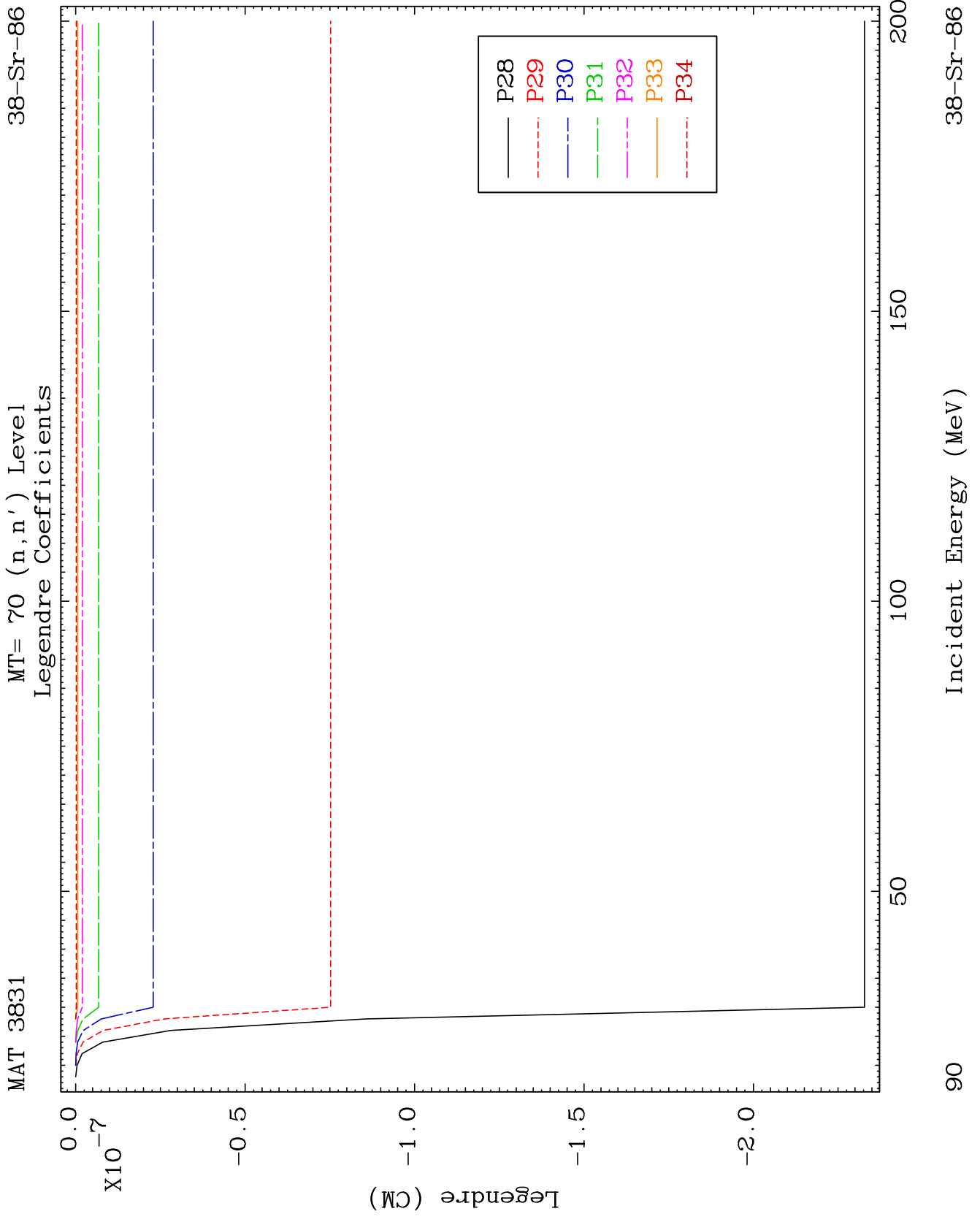
Incident Energy (MeV)

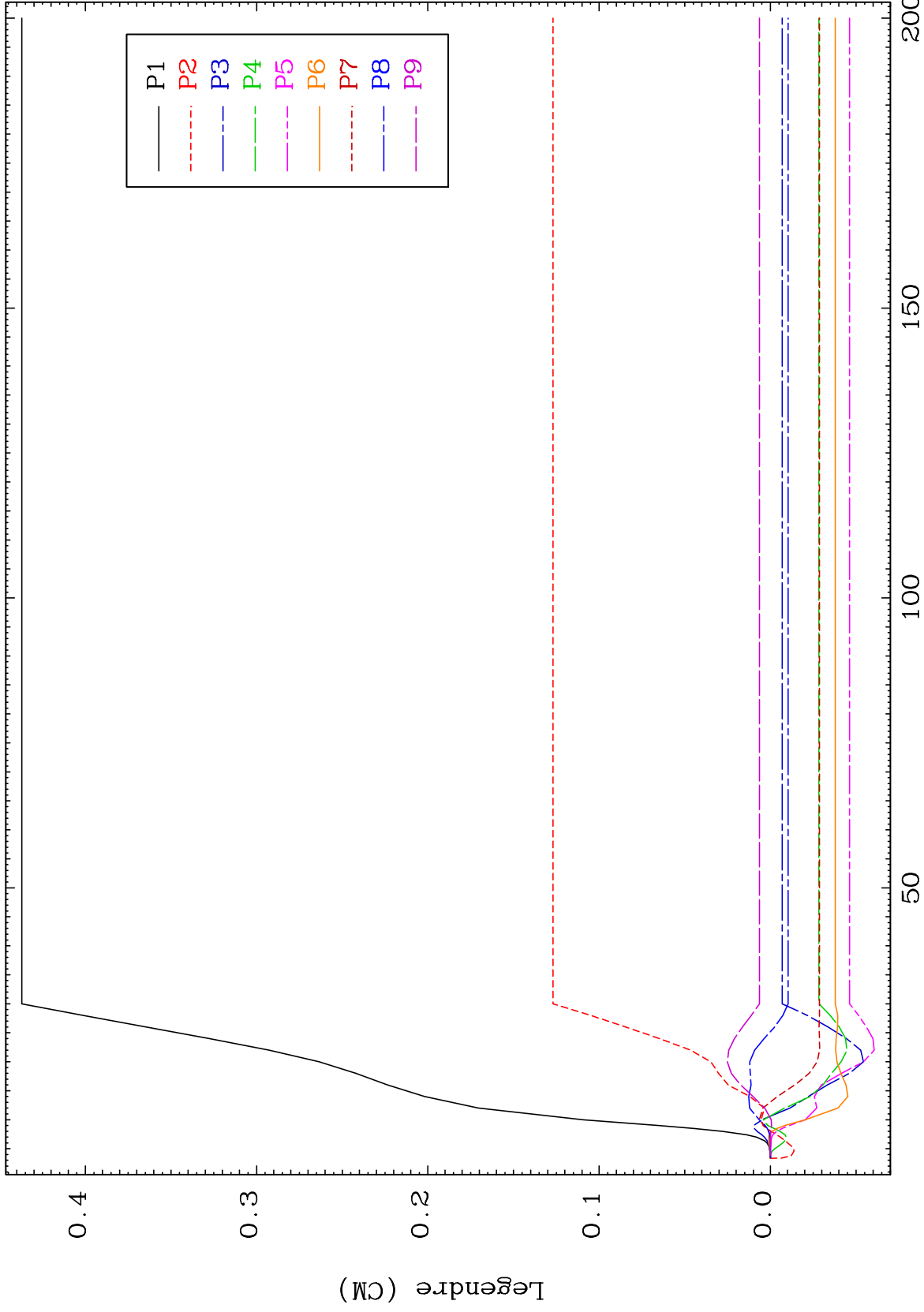
38-Sr-86

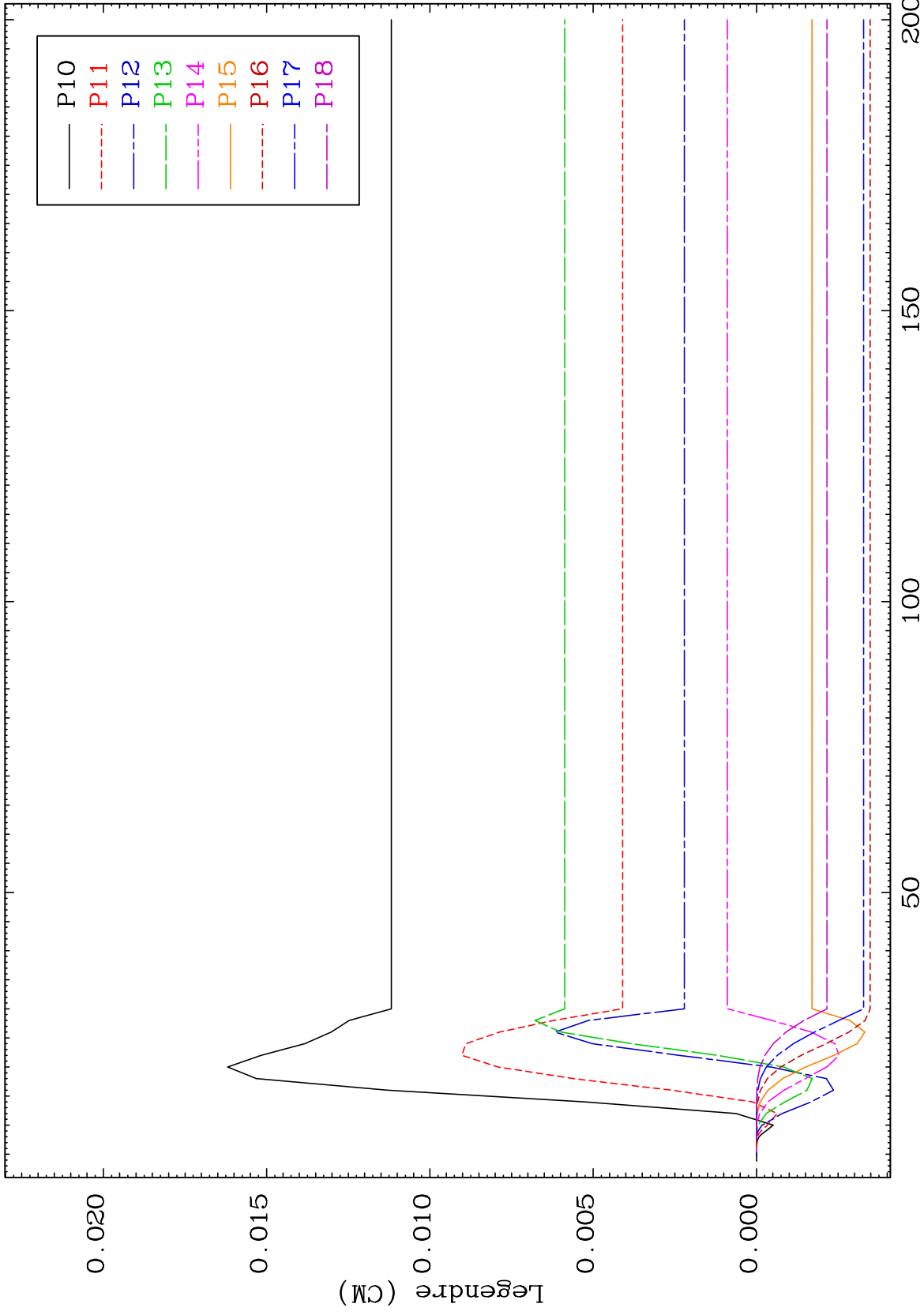


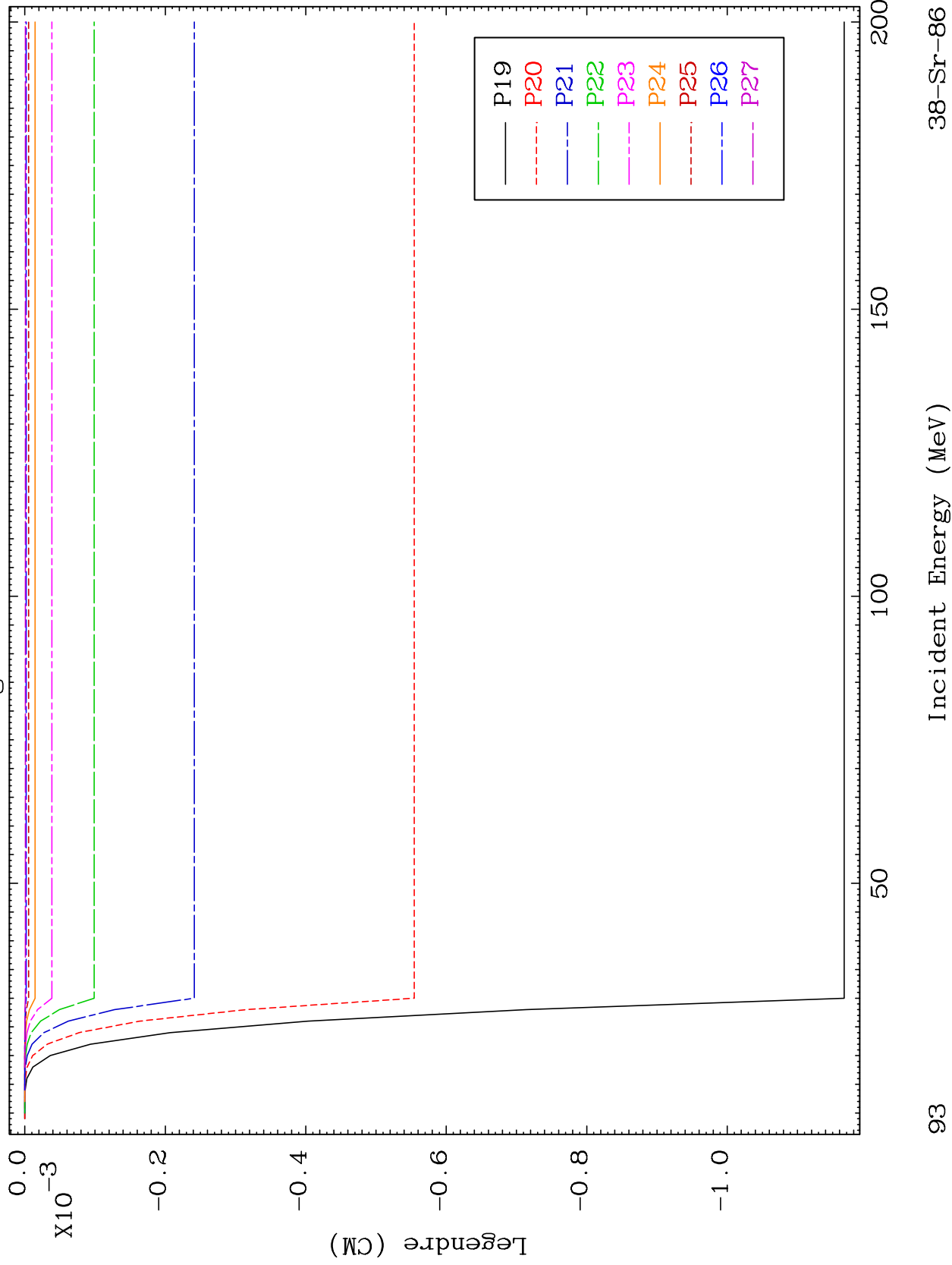


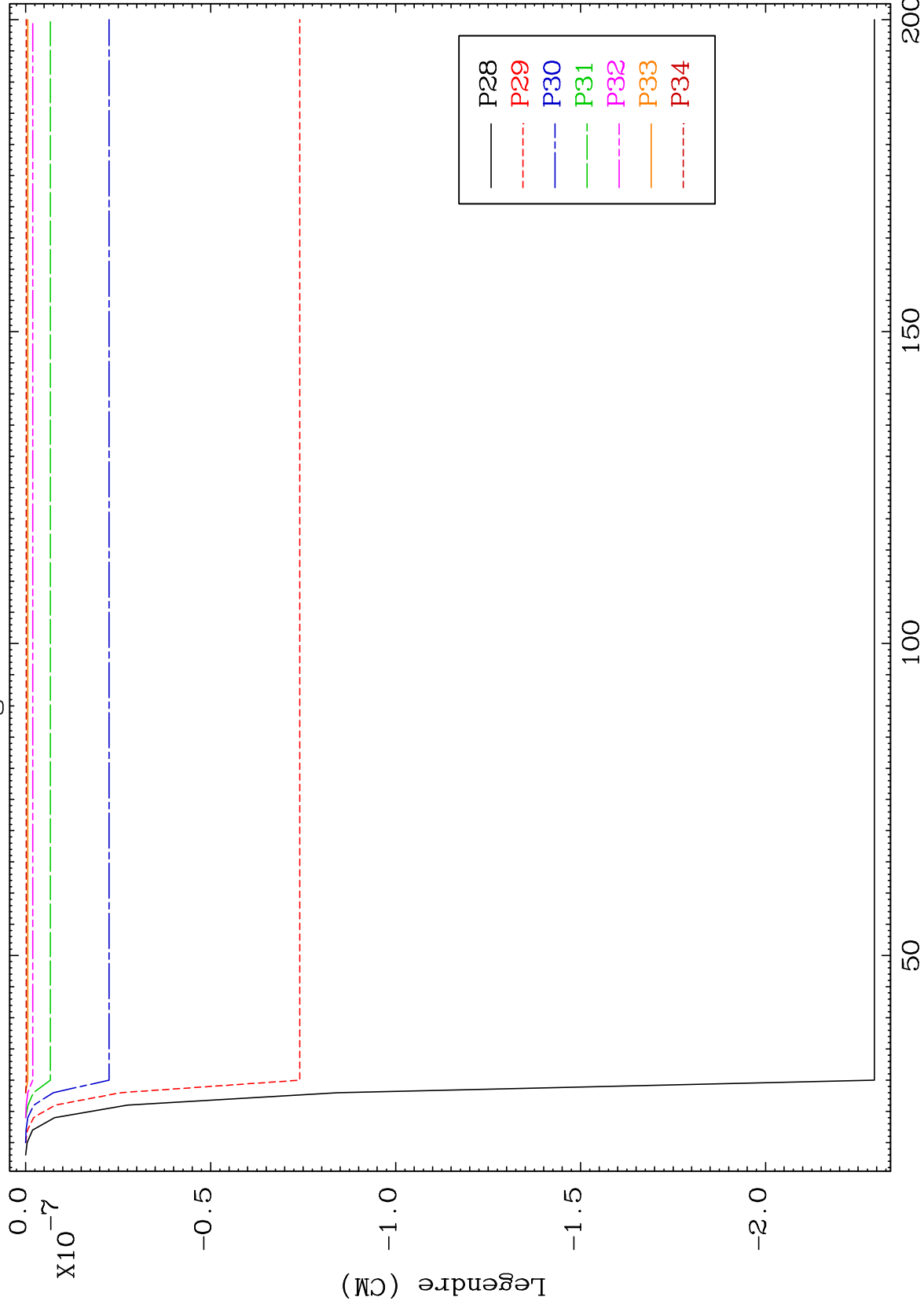








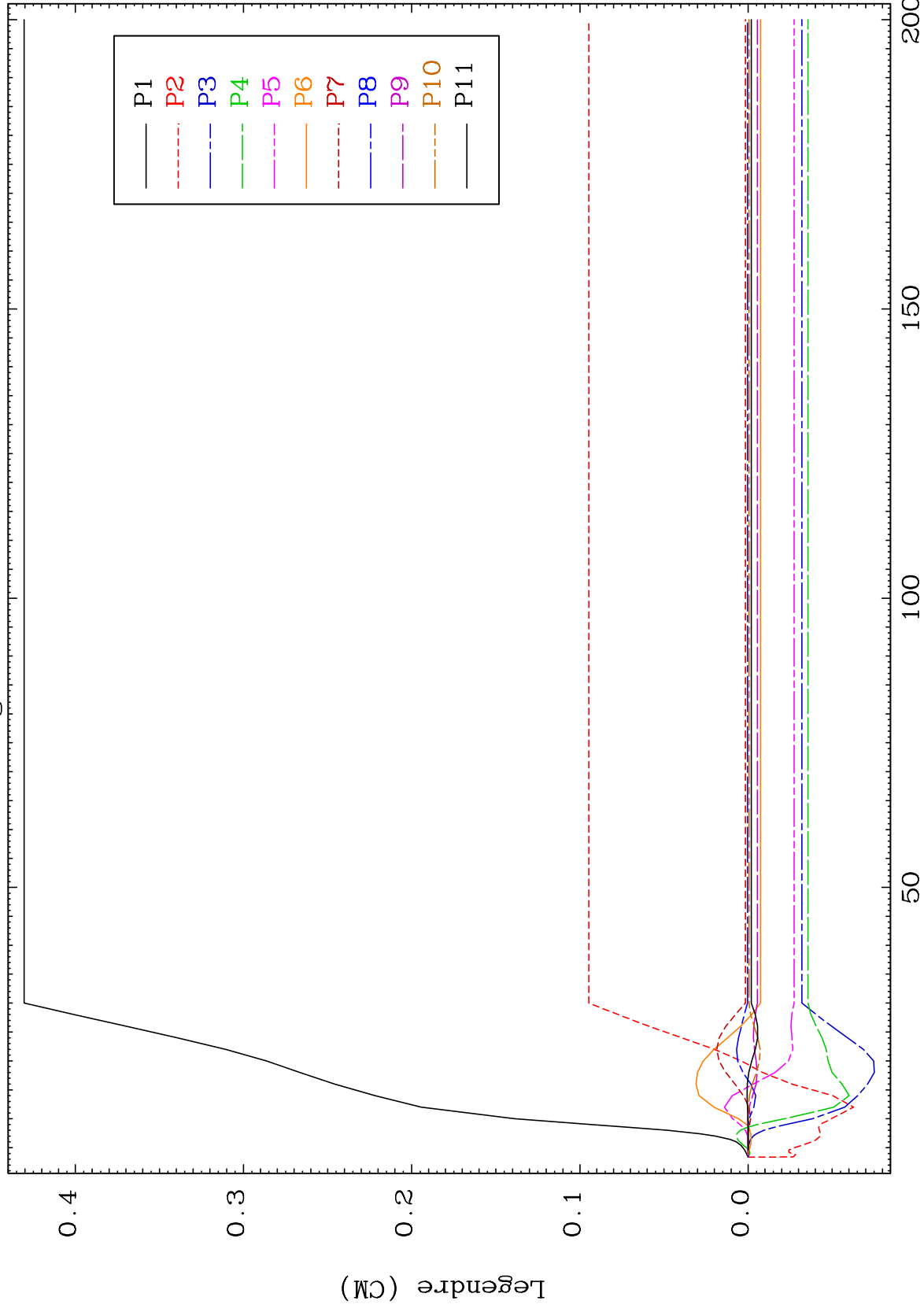




MAT 3831

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

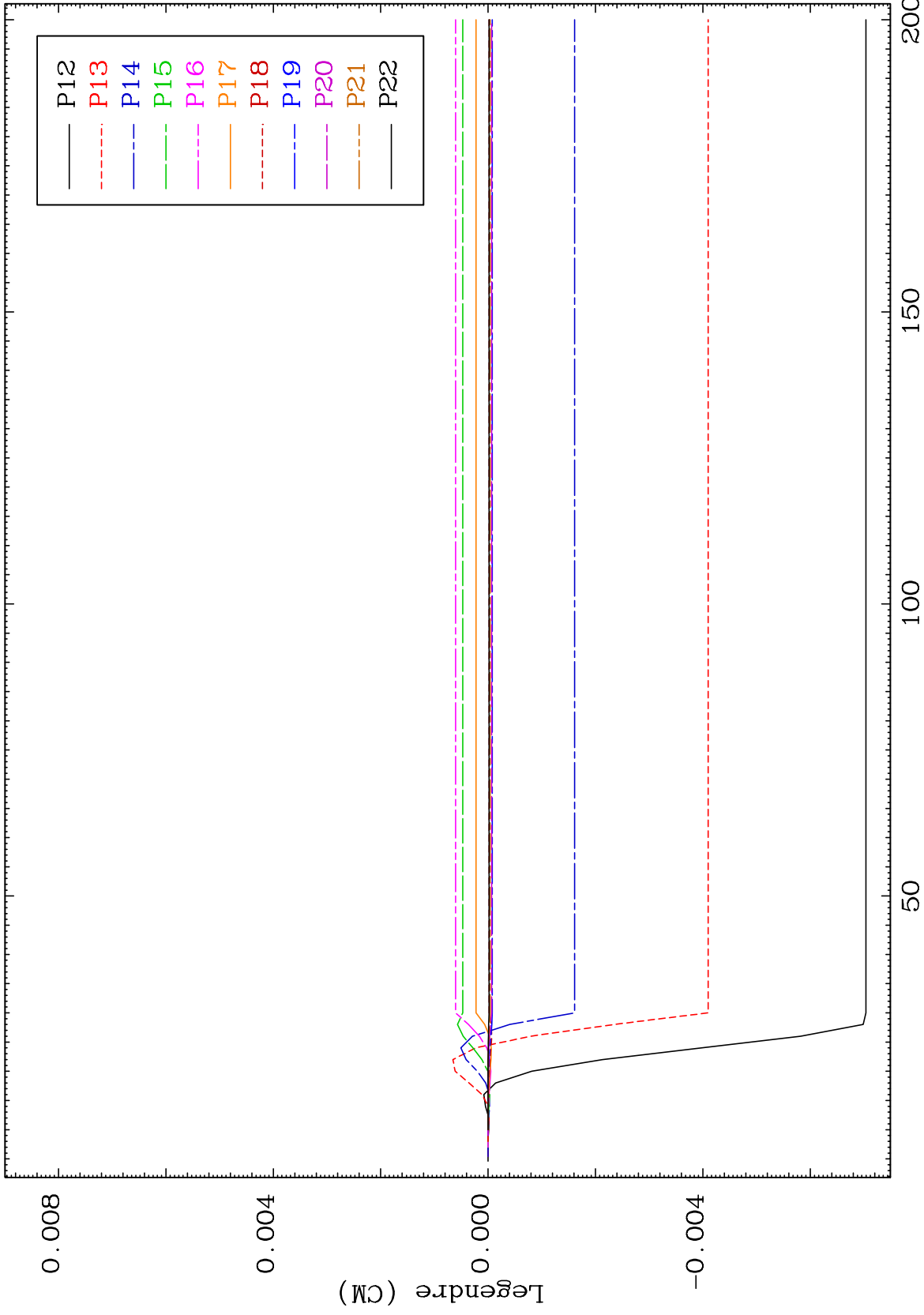
38-Sr-86



95

Incident Energy (MeV)

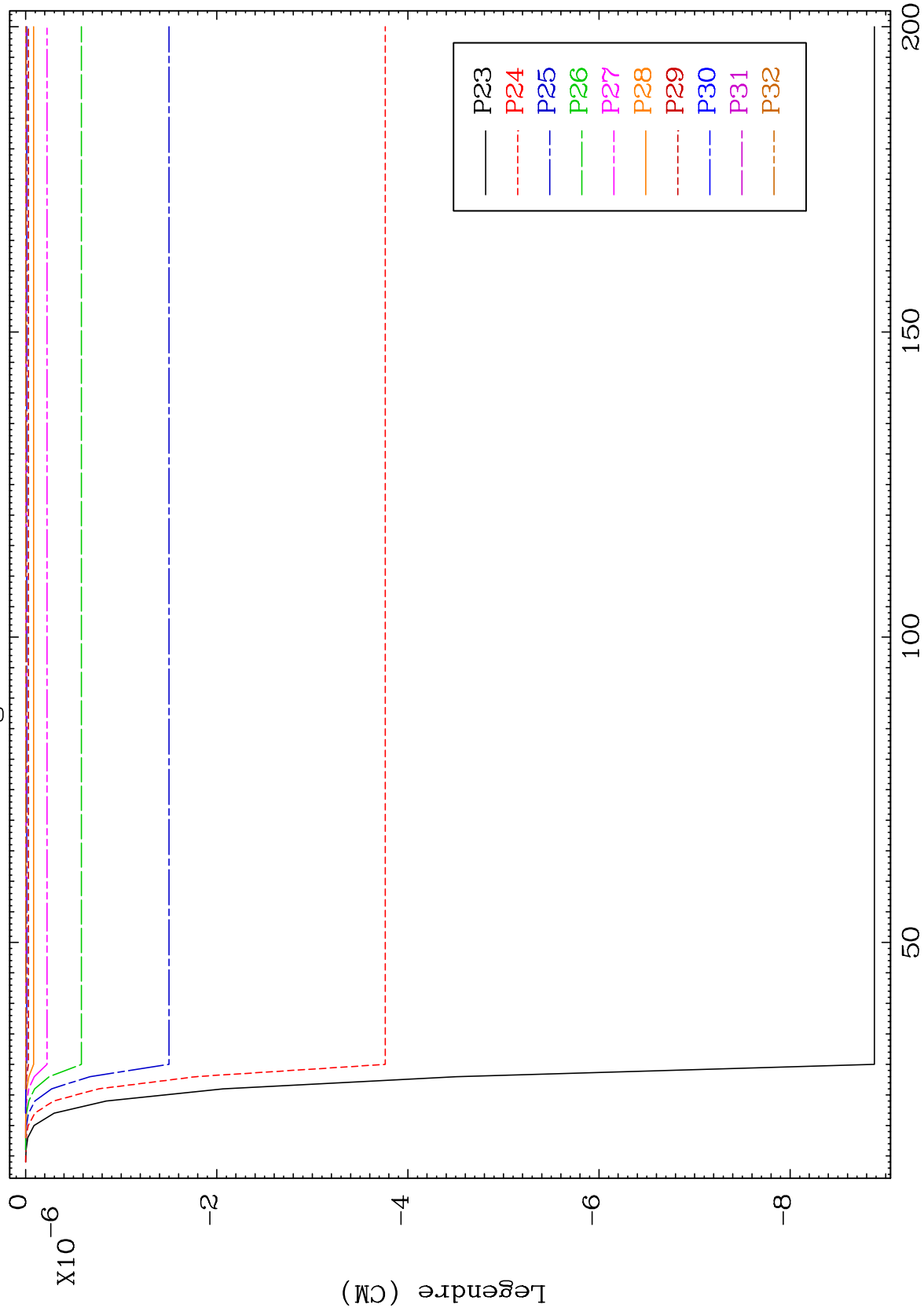
38-Sr-86



MAT 3831

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

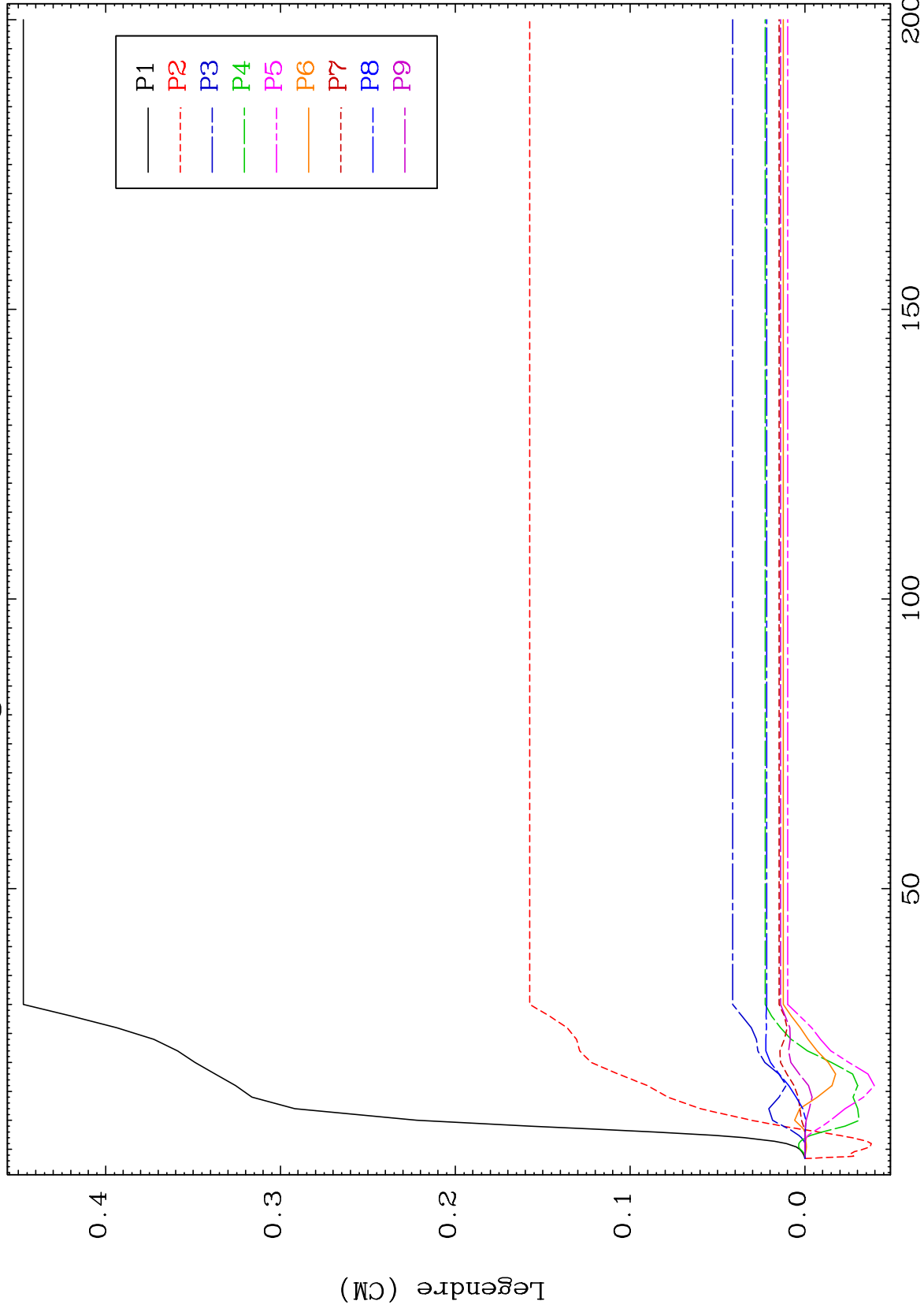
38-Sr-86

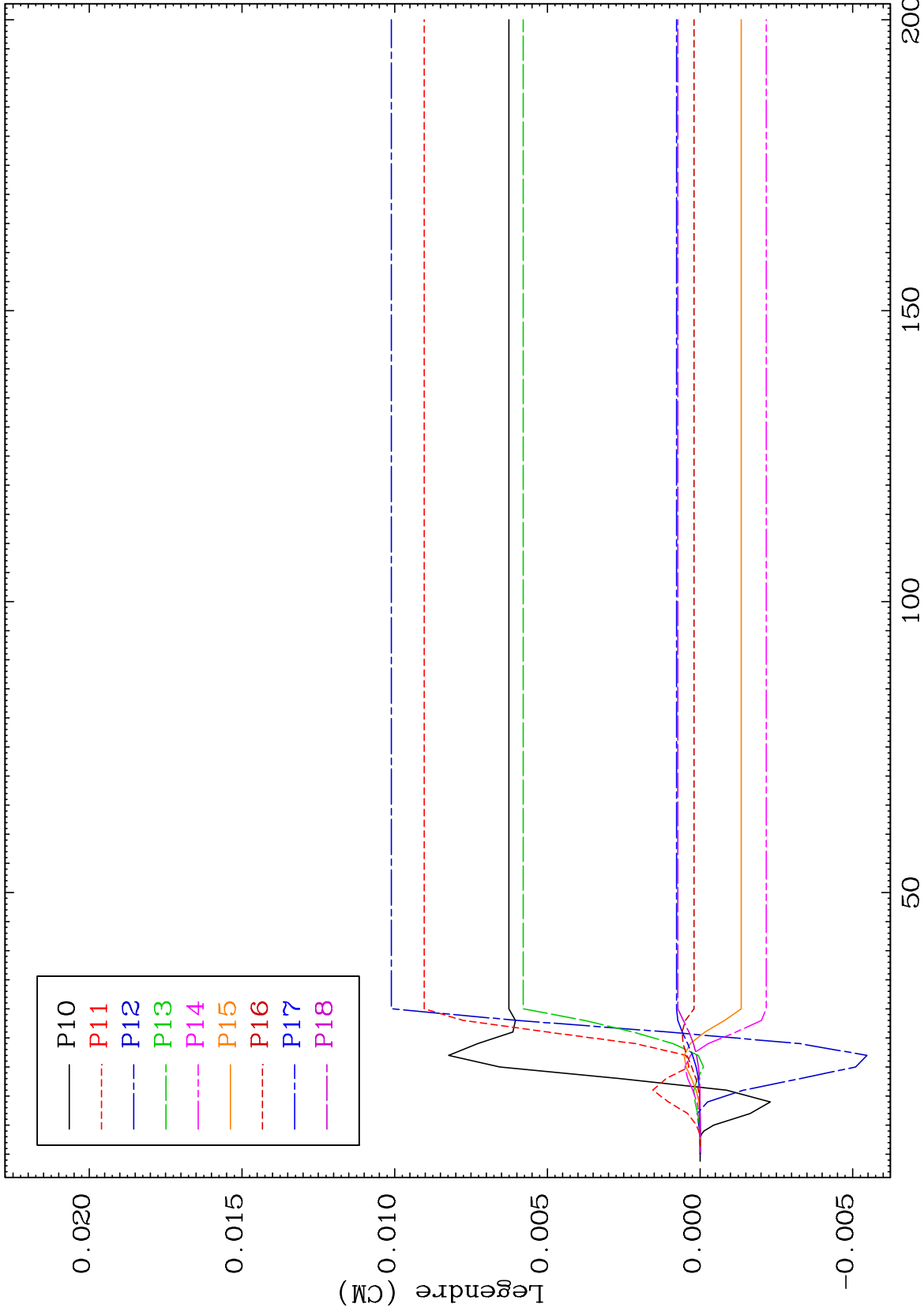


97

Incident Energy (MeV)

38-Sr-86

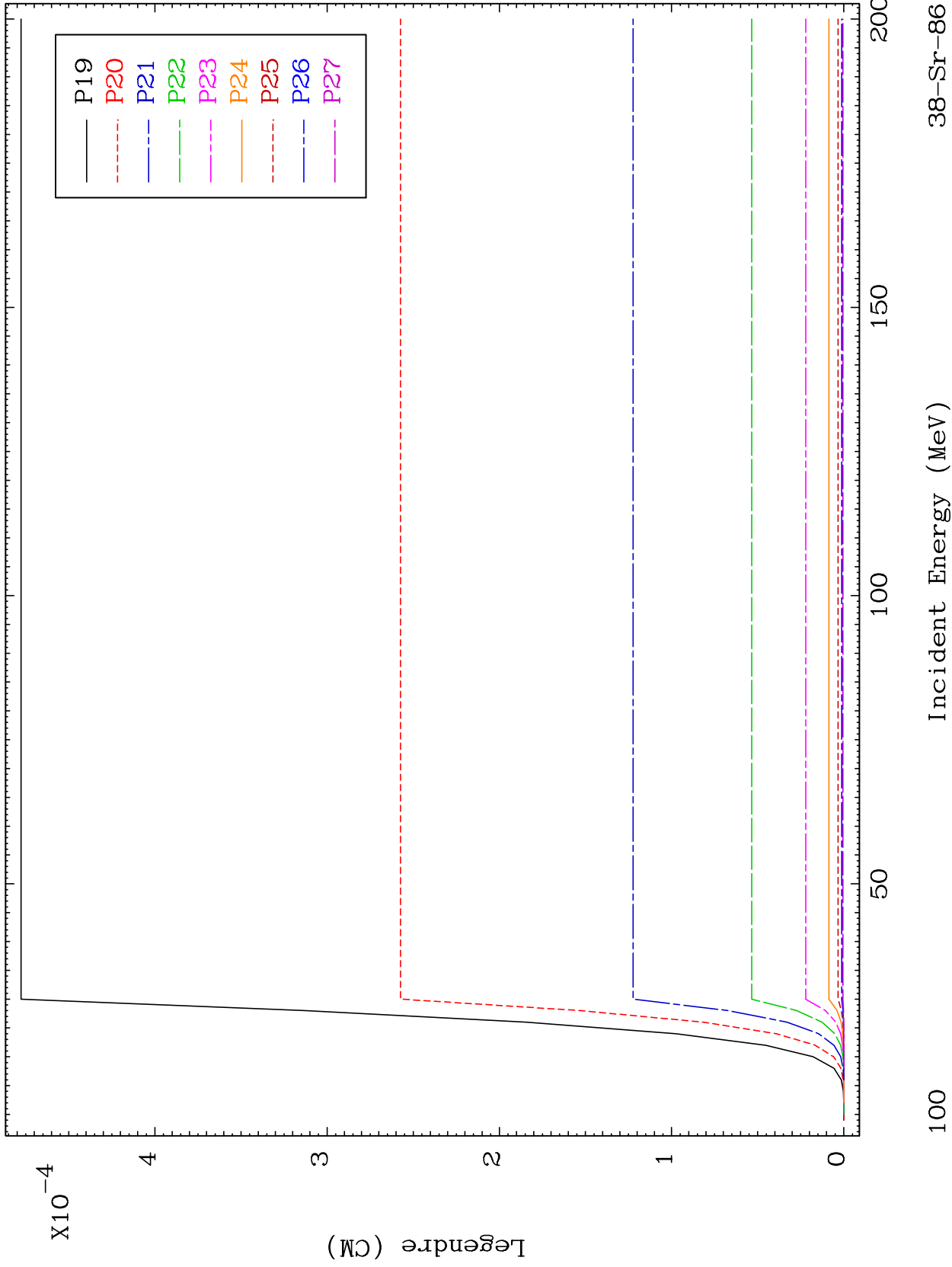




MAT 3831

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

38-Sr-86



100

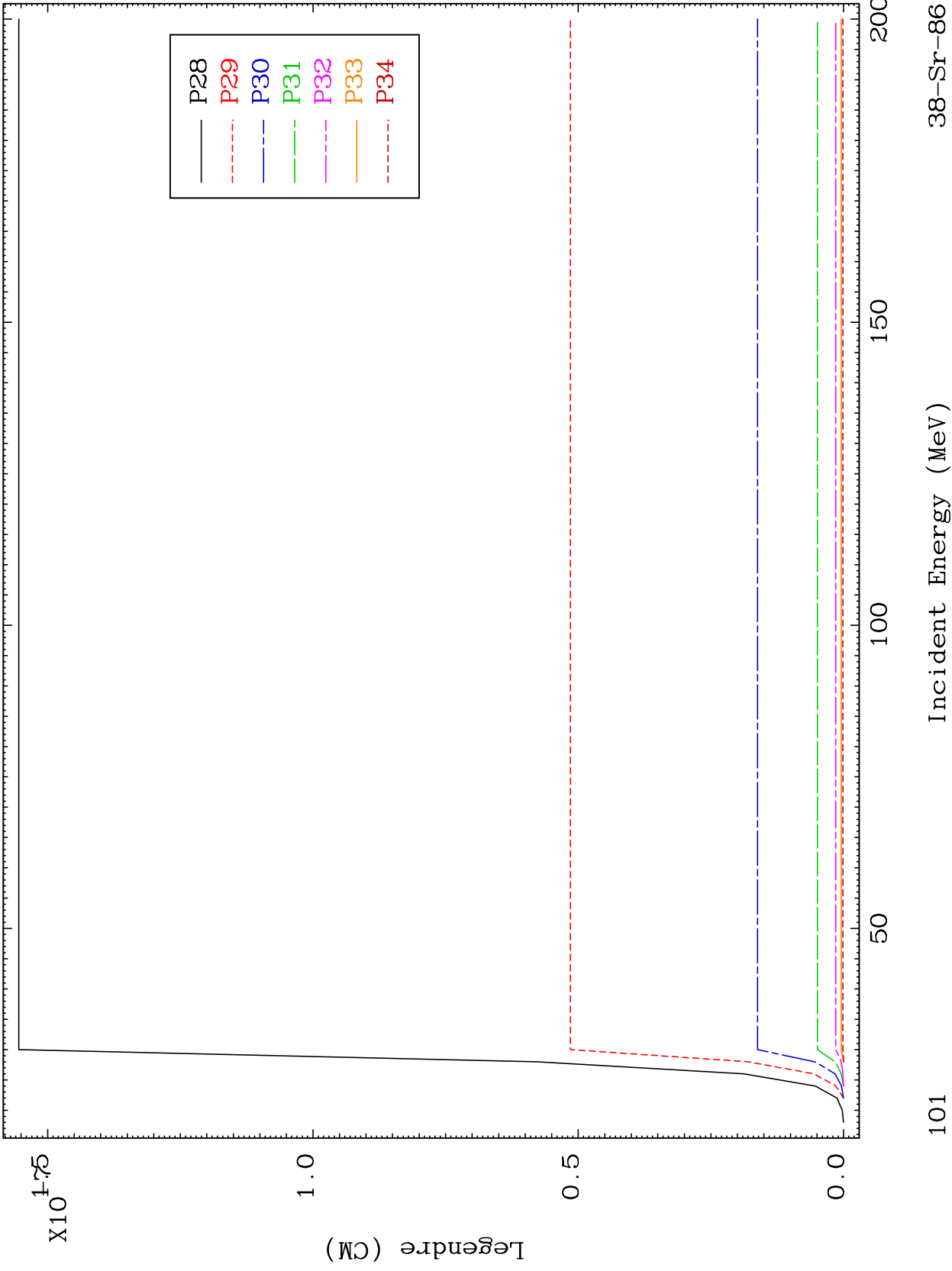
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

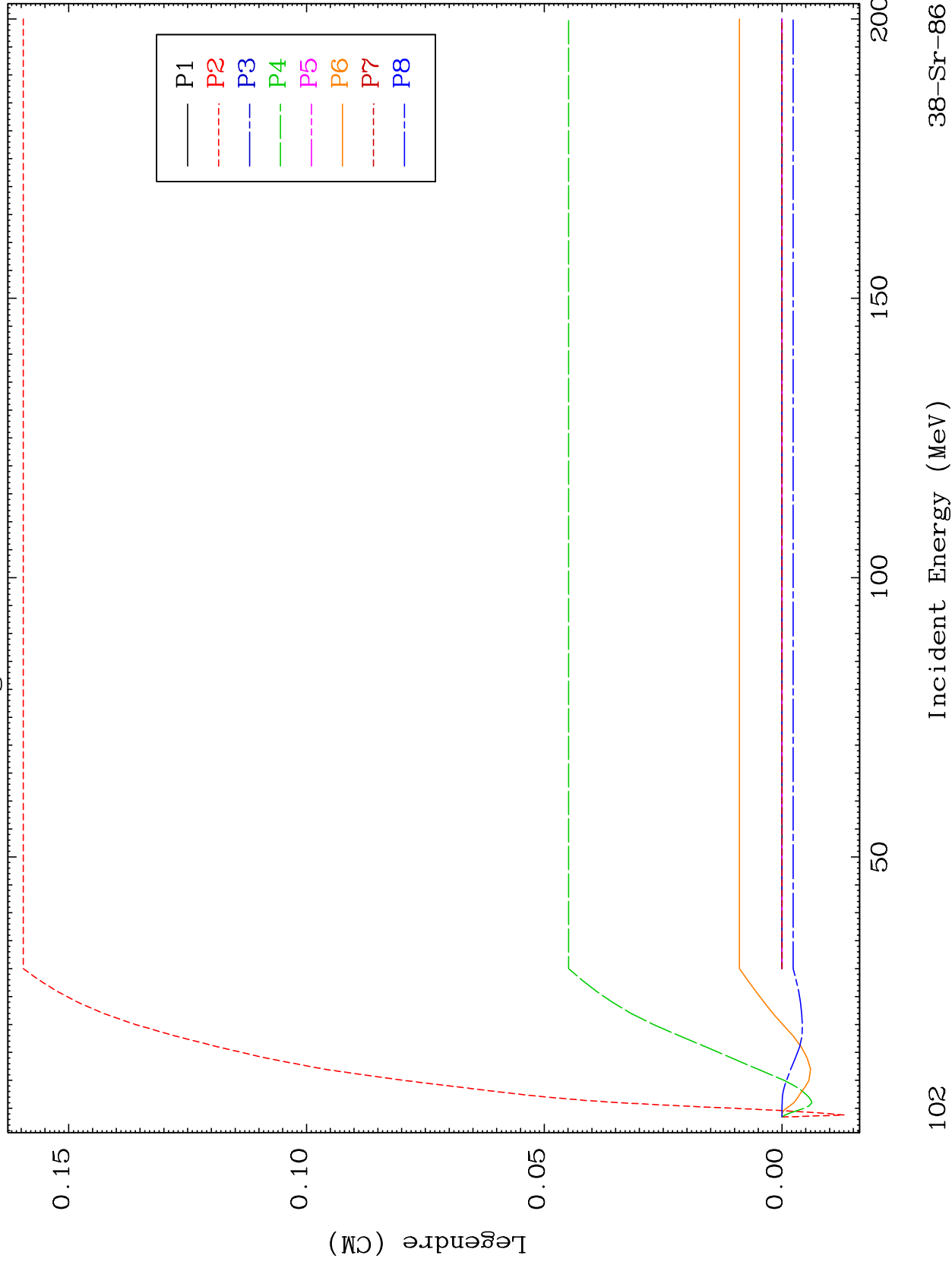
38-Sr-86



MAT 3831

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

38-Sr-86



38-Sr-86

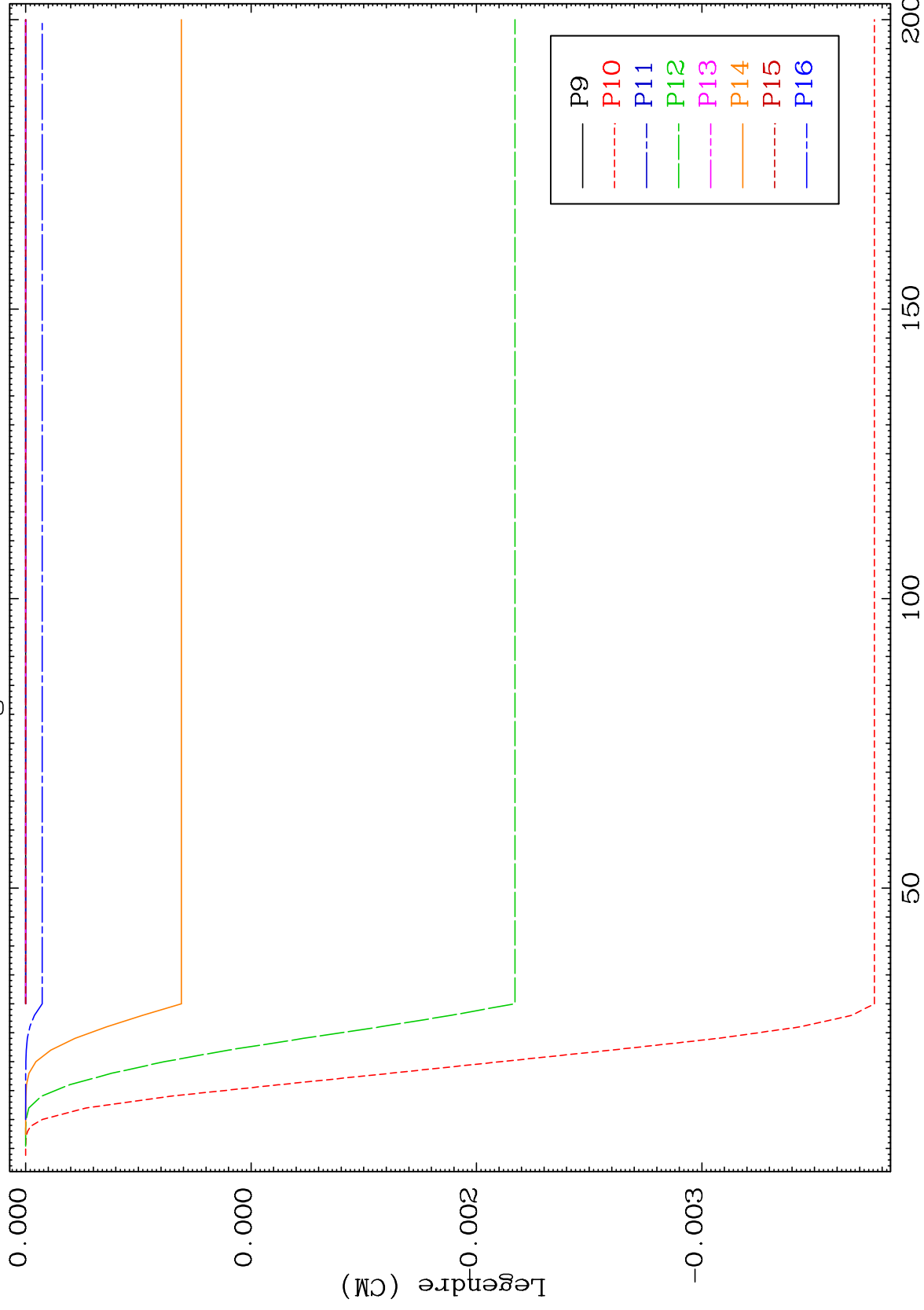
Incident Energy (MeV)

102

MAT 3831

38-Sr-86

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



103

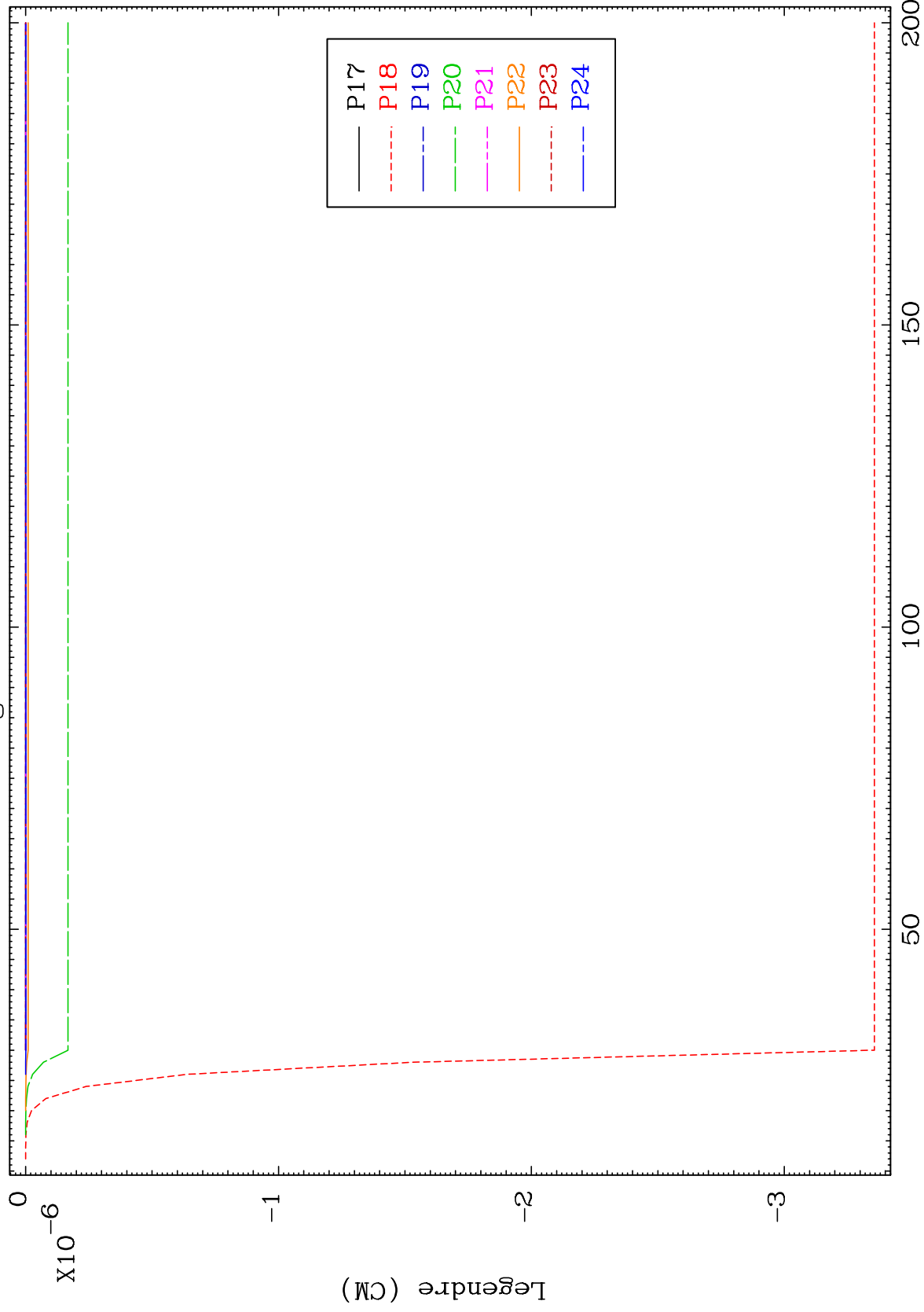
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



104

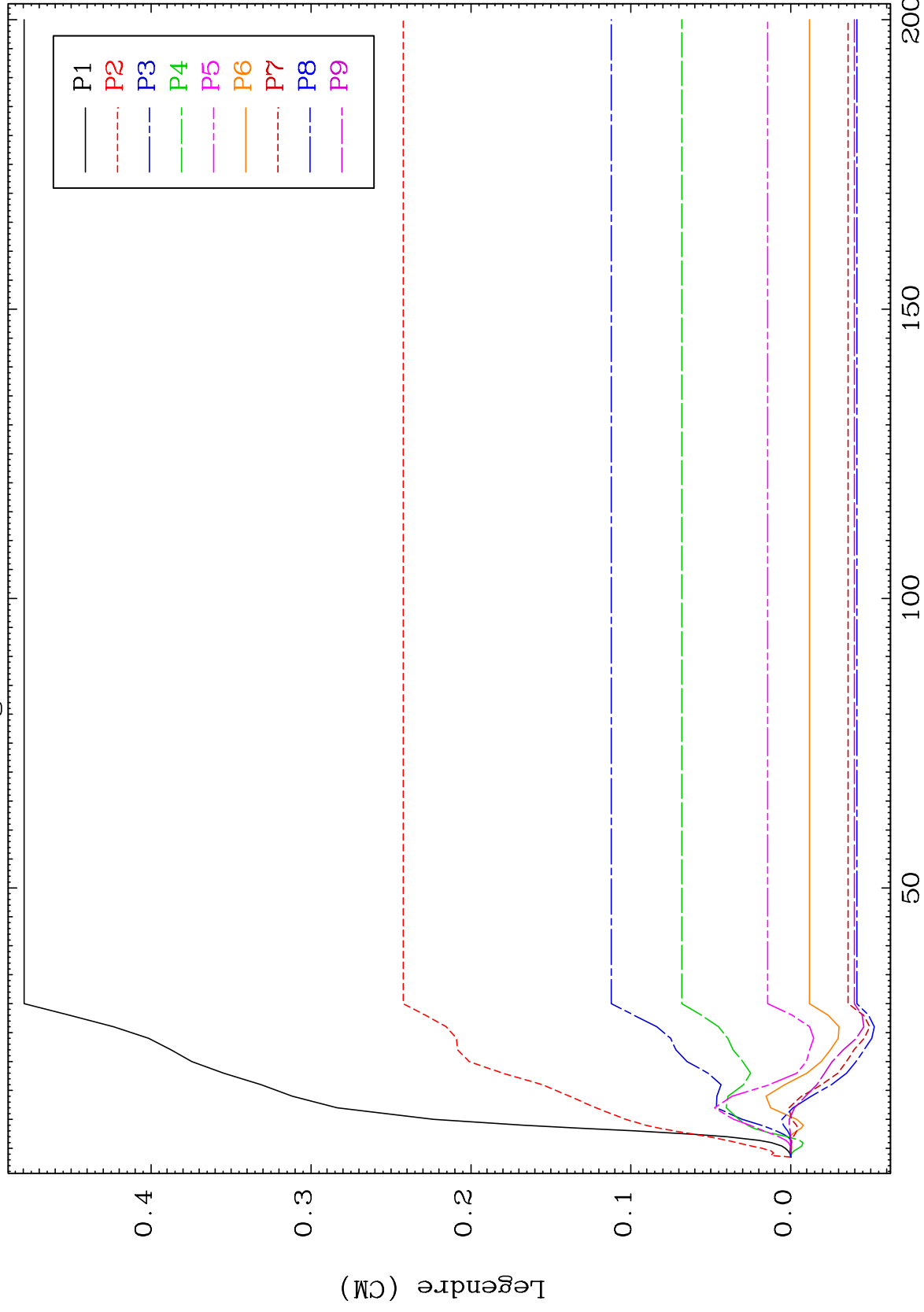
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



105

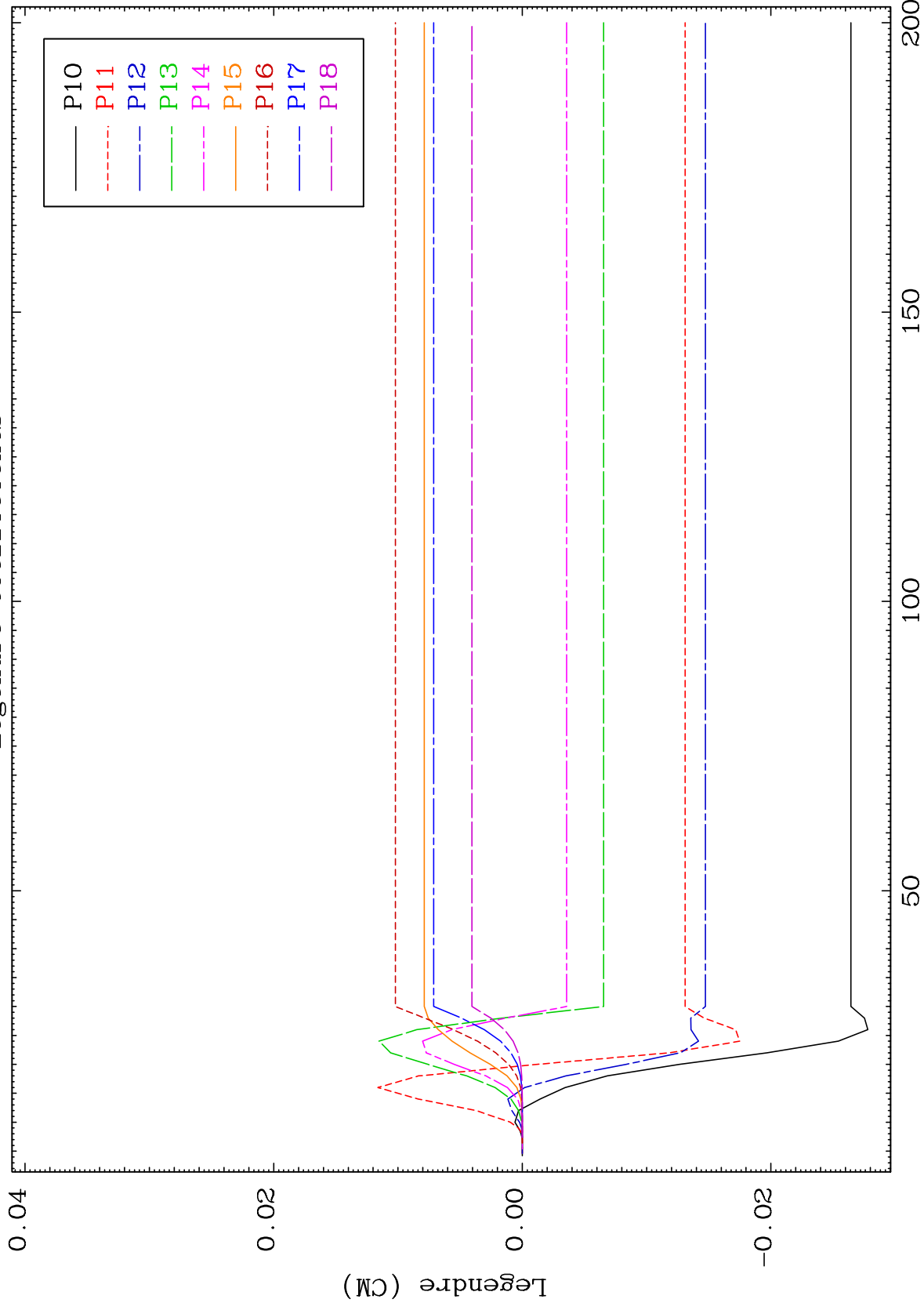
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

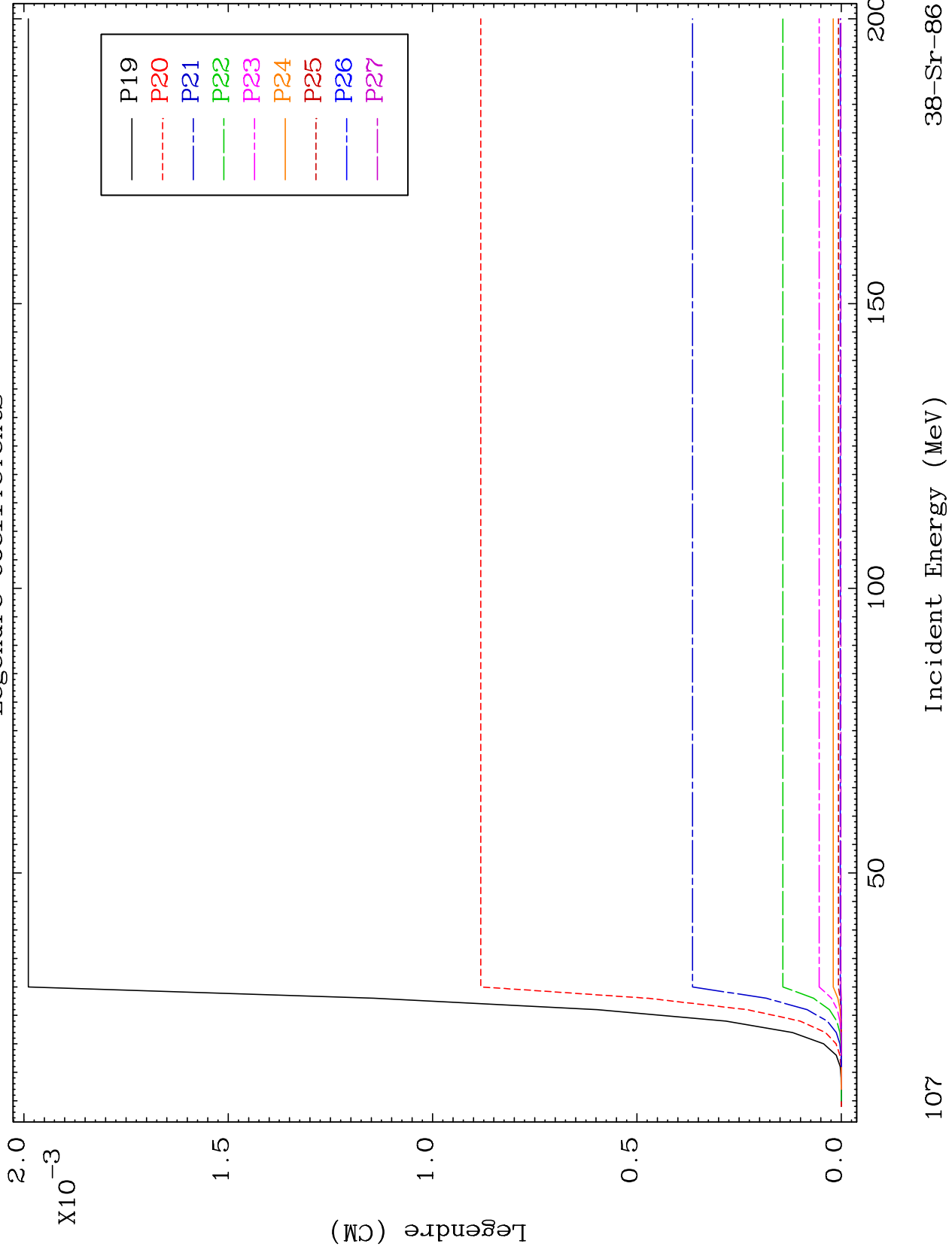
38-Sr-86



106

Incident Energy (MeV)

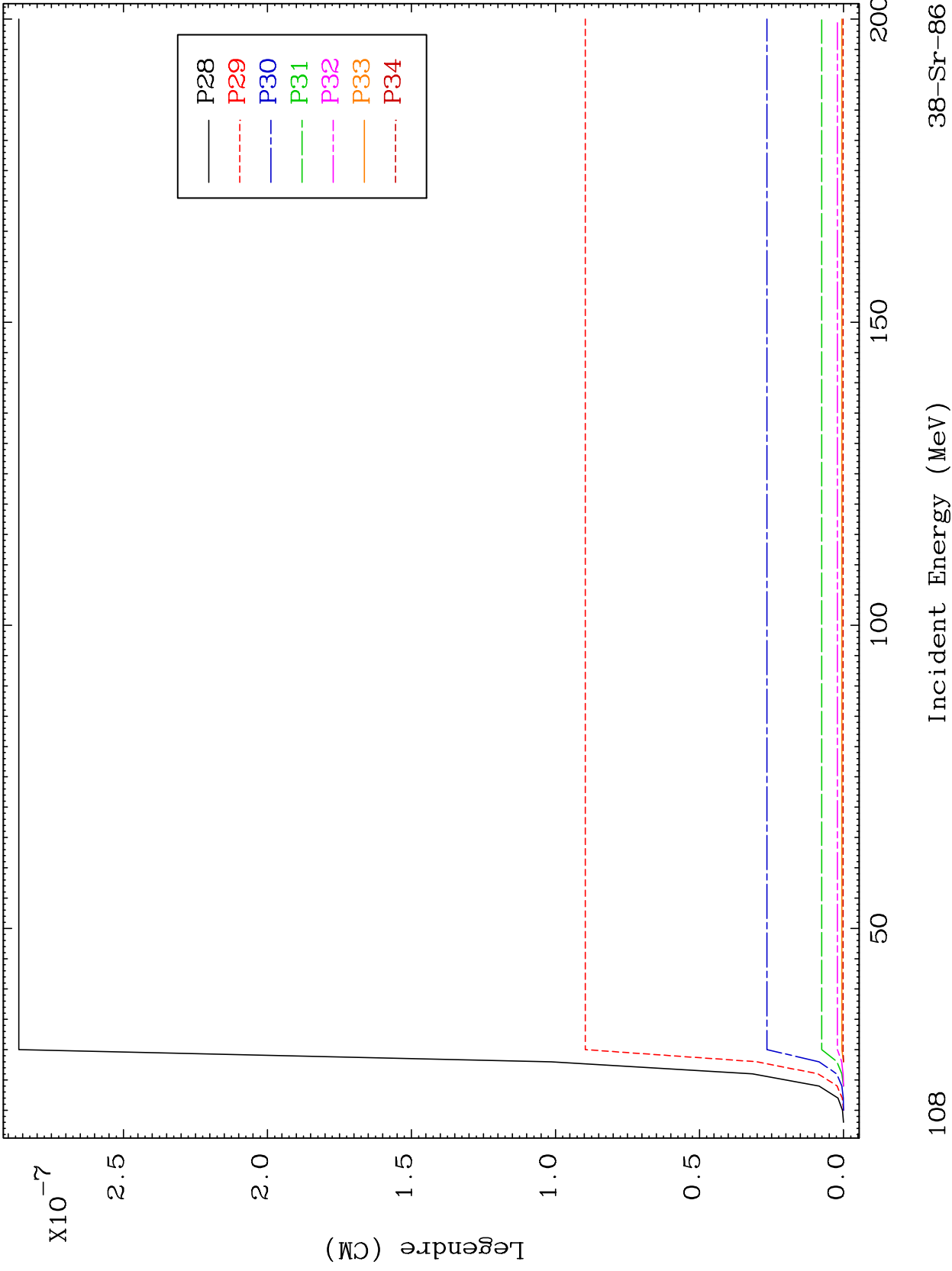
38-Sr-86



MAT 3831

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

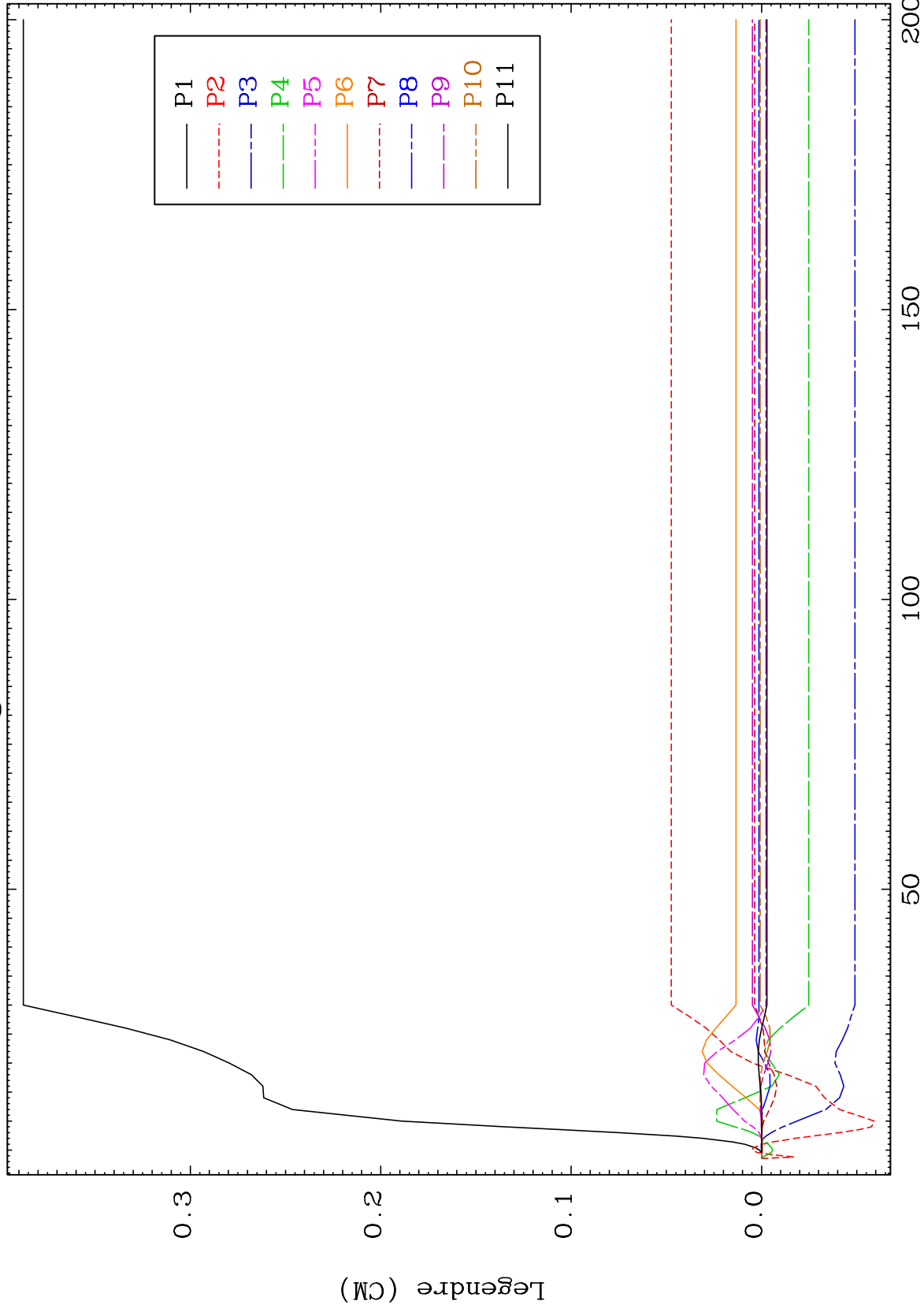
38-Sr-86



108

Incident Energy (MeV)

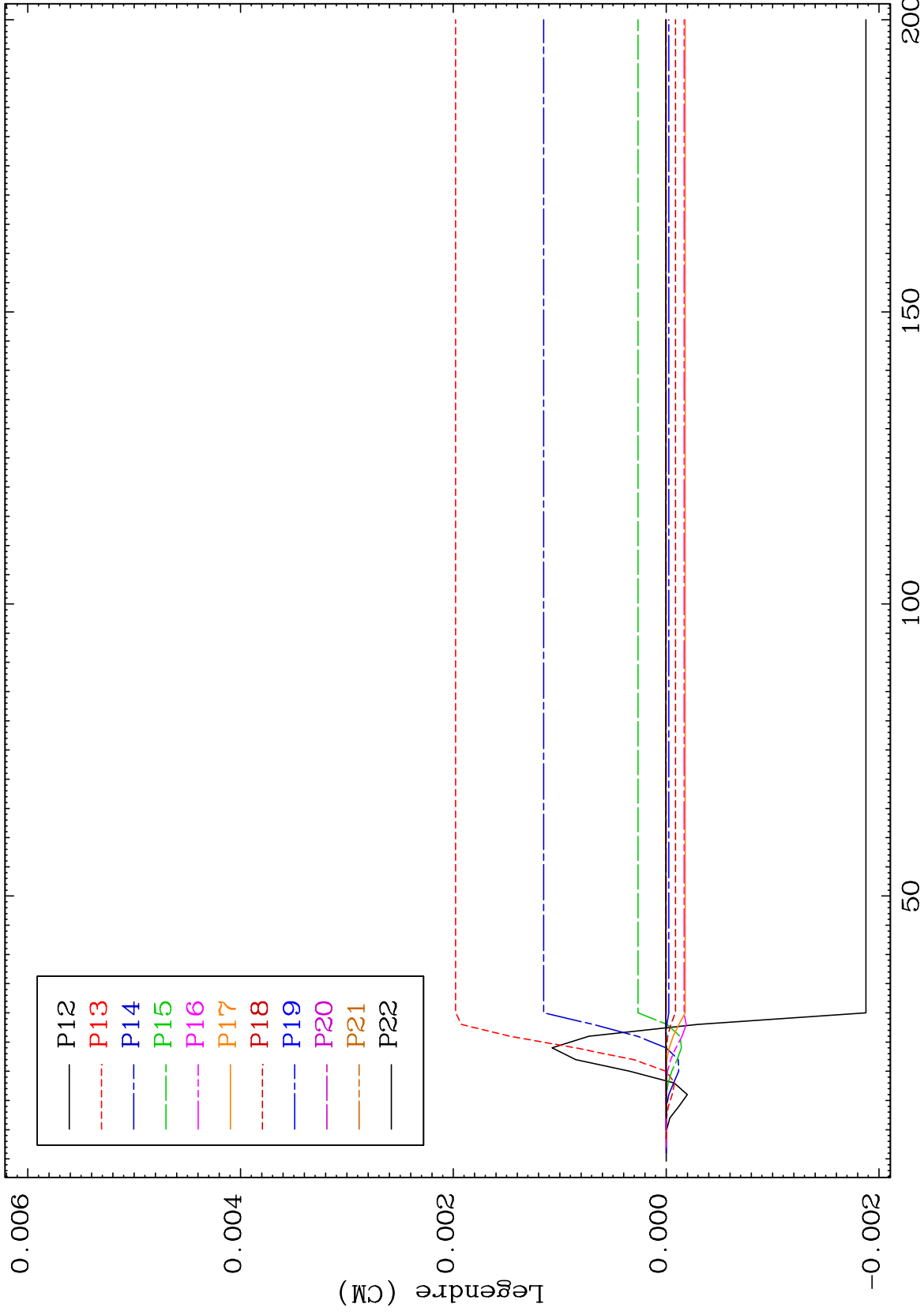
38-Sr-86



MAT 3831

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

38-Sr-86



110

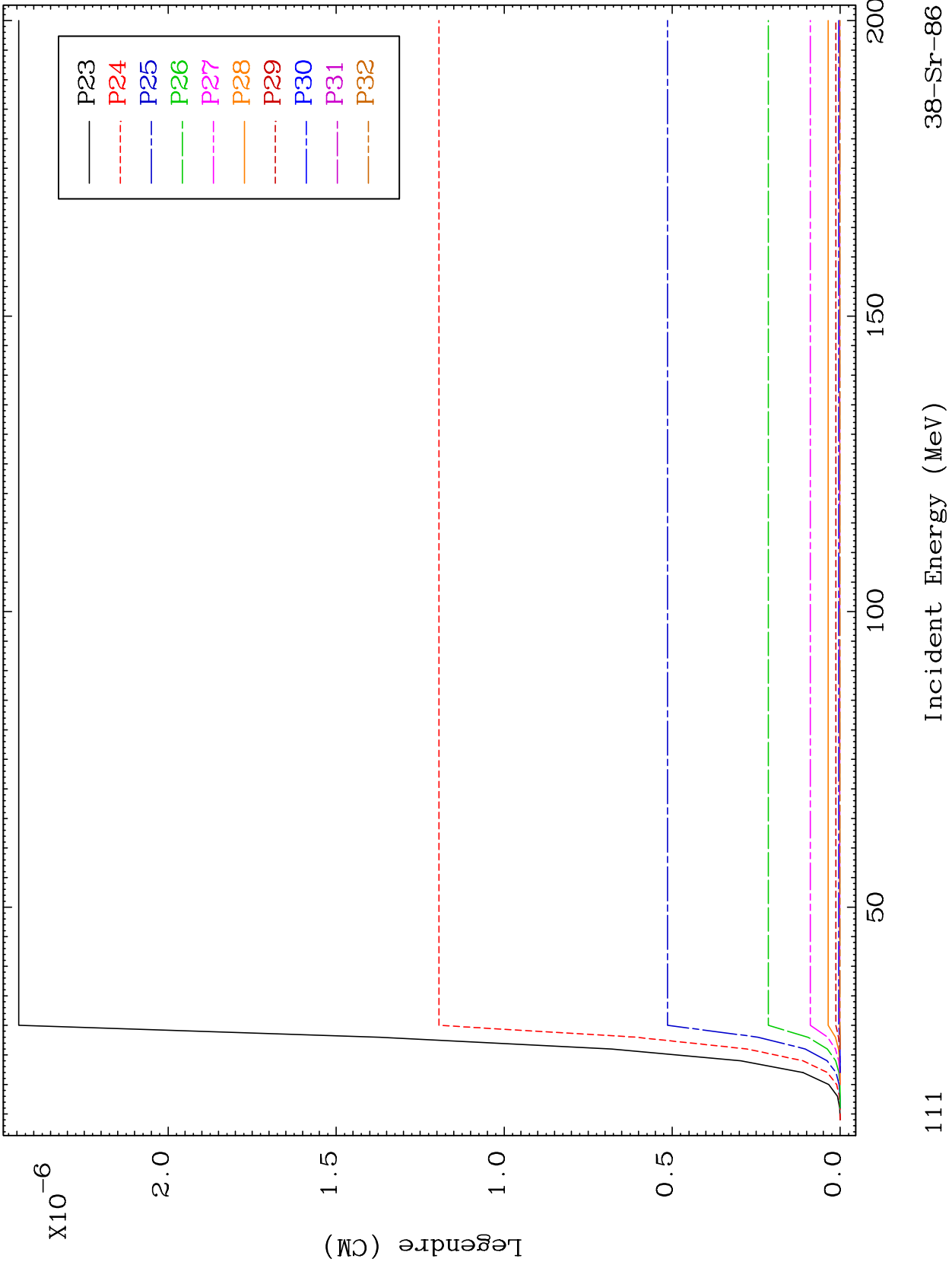
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

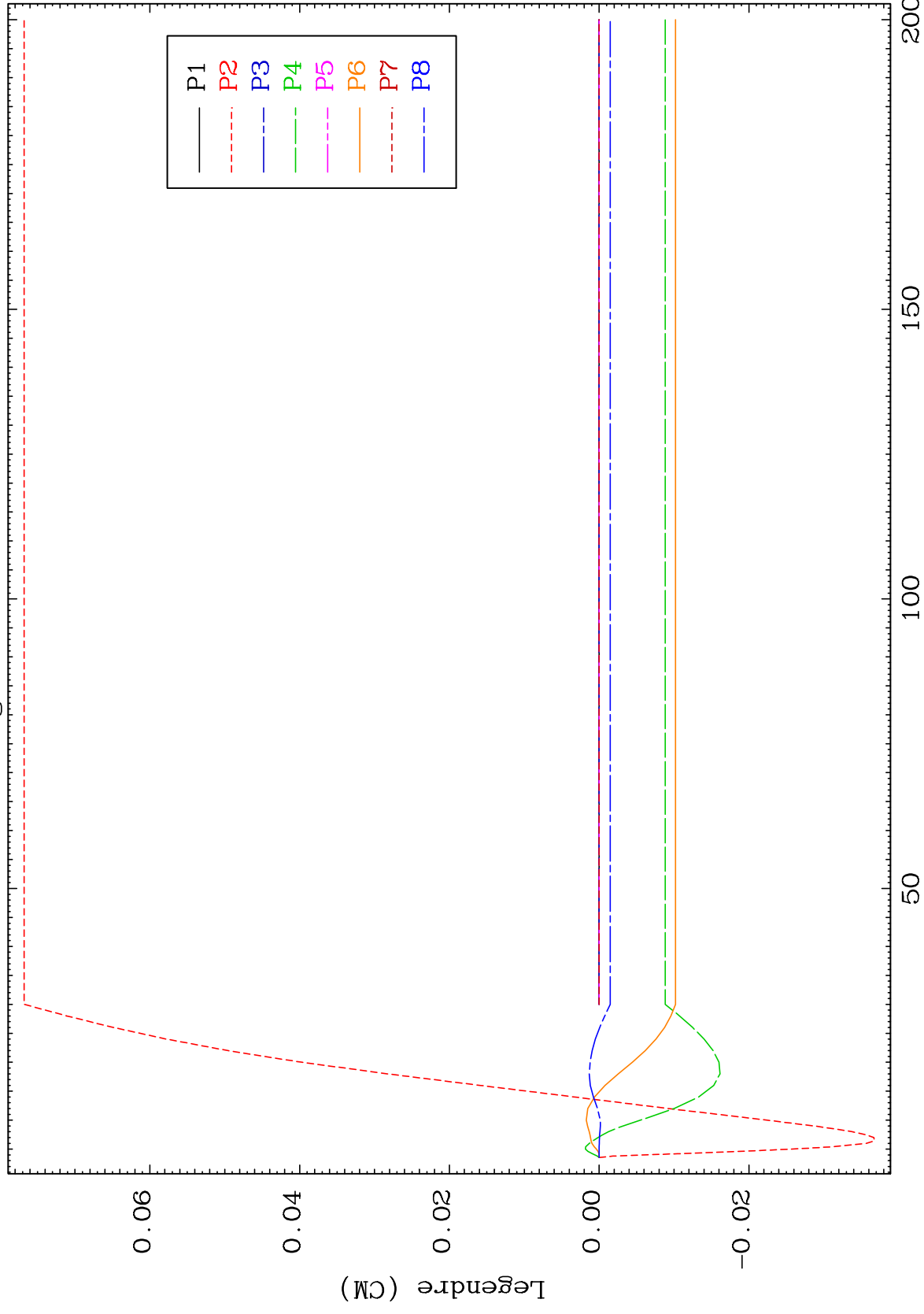
38-Sr-86



MAT 3831

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

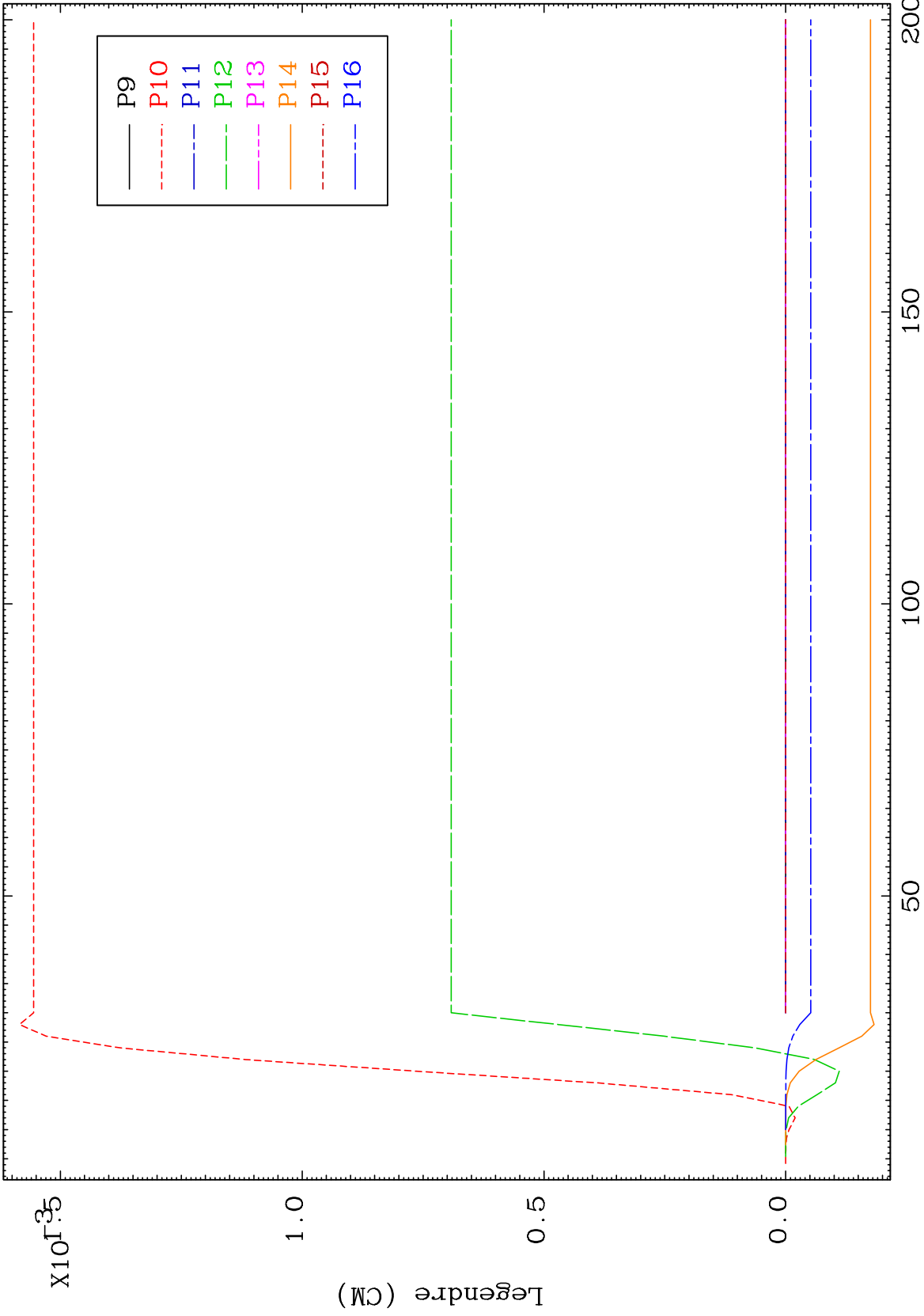
38-Sr-86



112

Incident Energy (MeV)

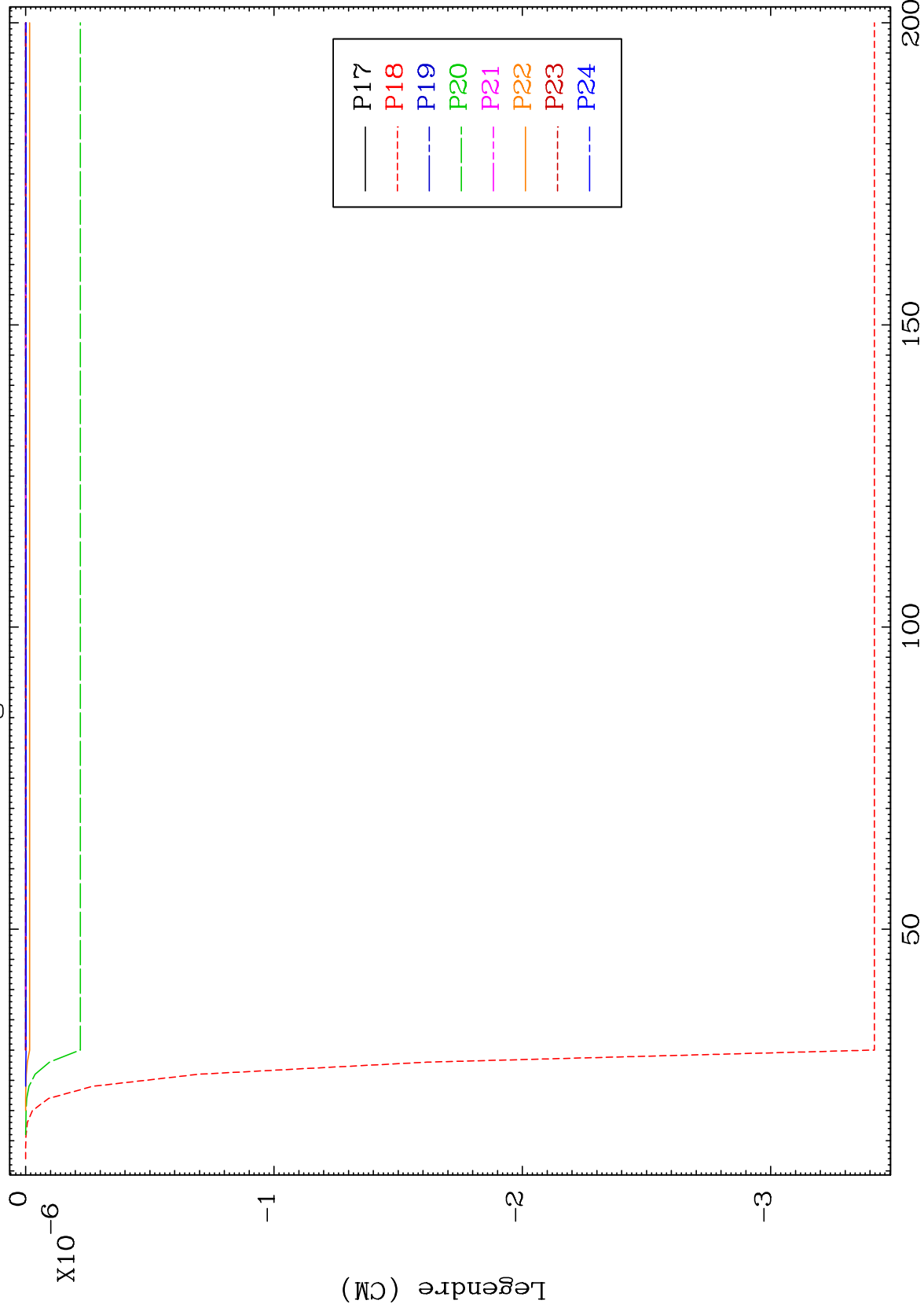
38-Sr-86



MAT 3831

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

38-Sr-86



38-Sr-86

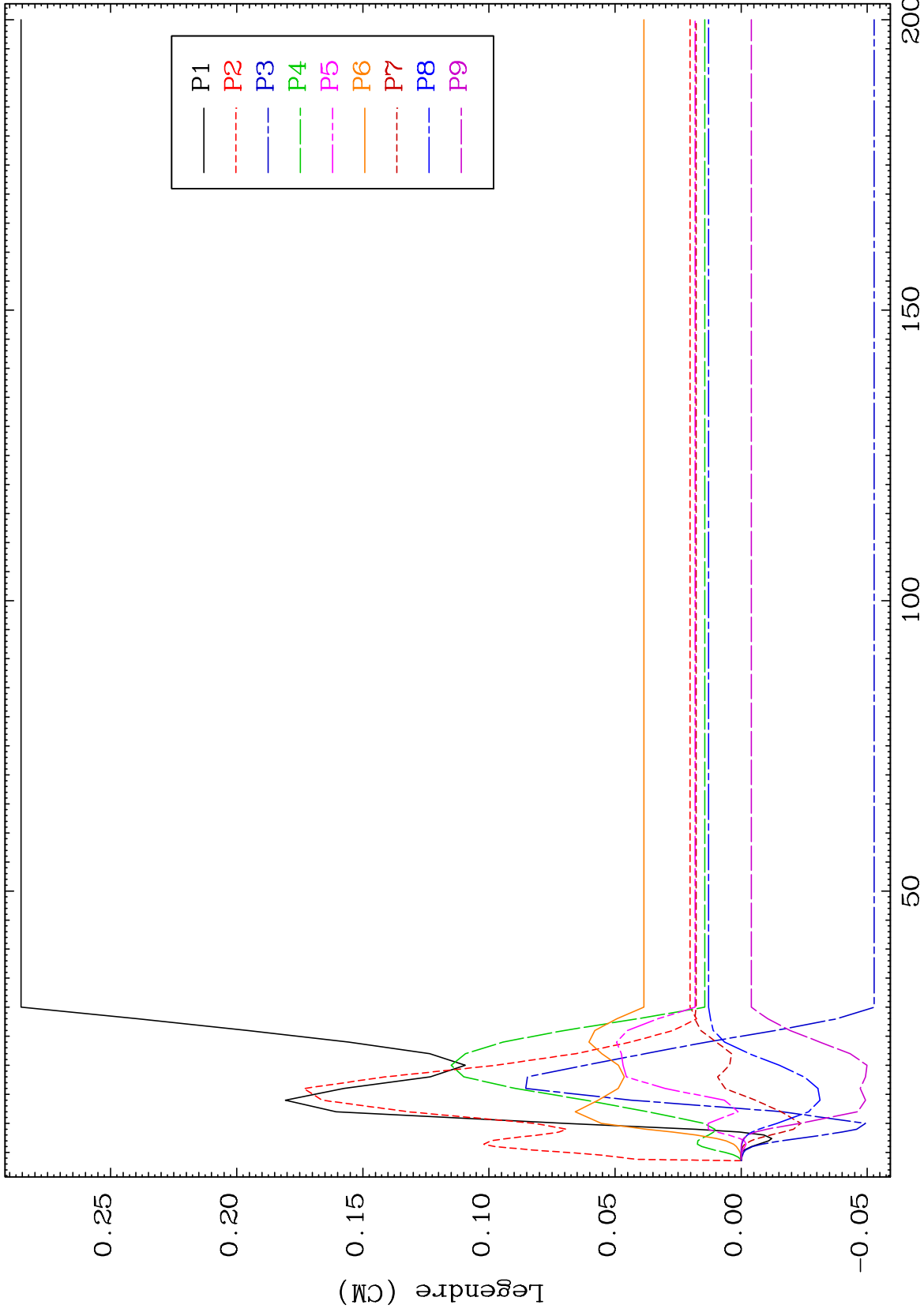
Incident Energy (MeV)

114

MAT 3831

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

38-Sr-86



115

Incident Energy (MeV)

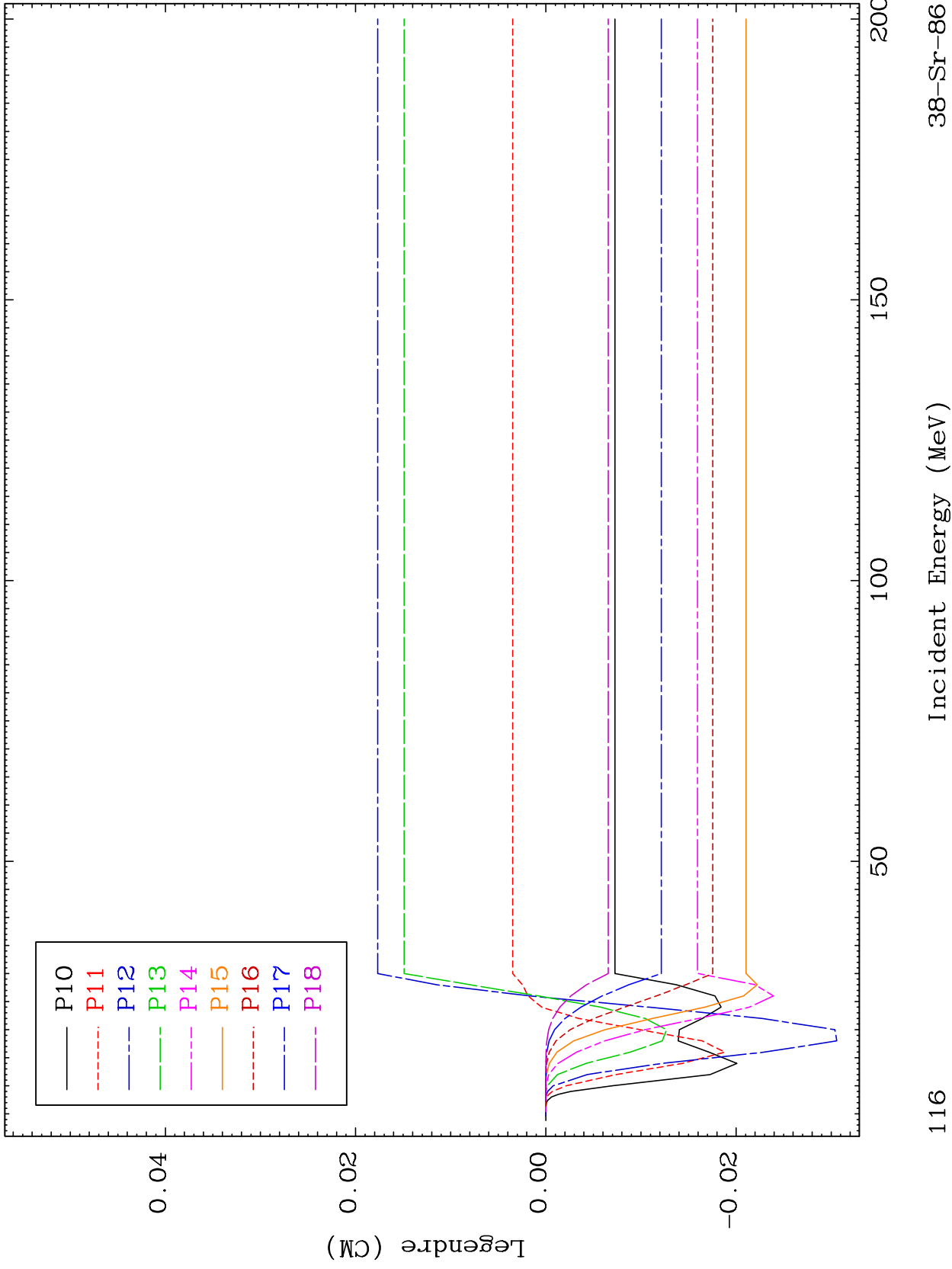
50

100

150

200

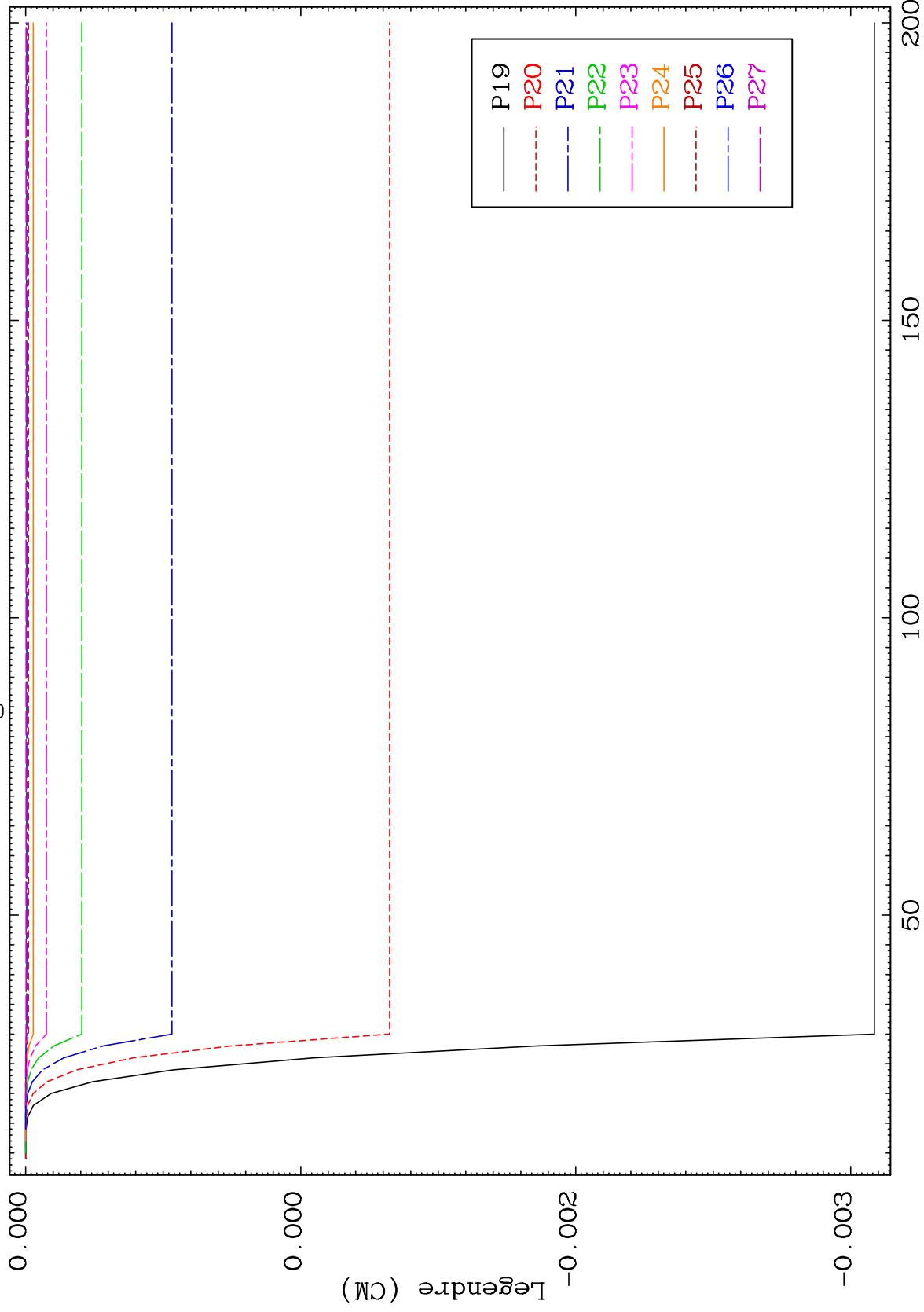
38-Sr-86



MAT 3831

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

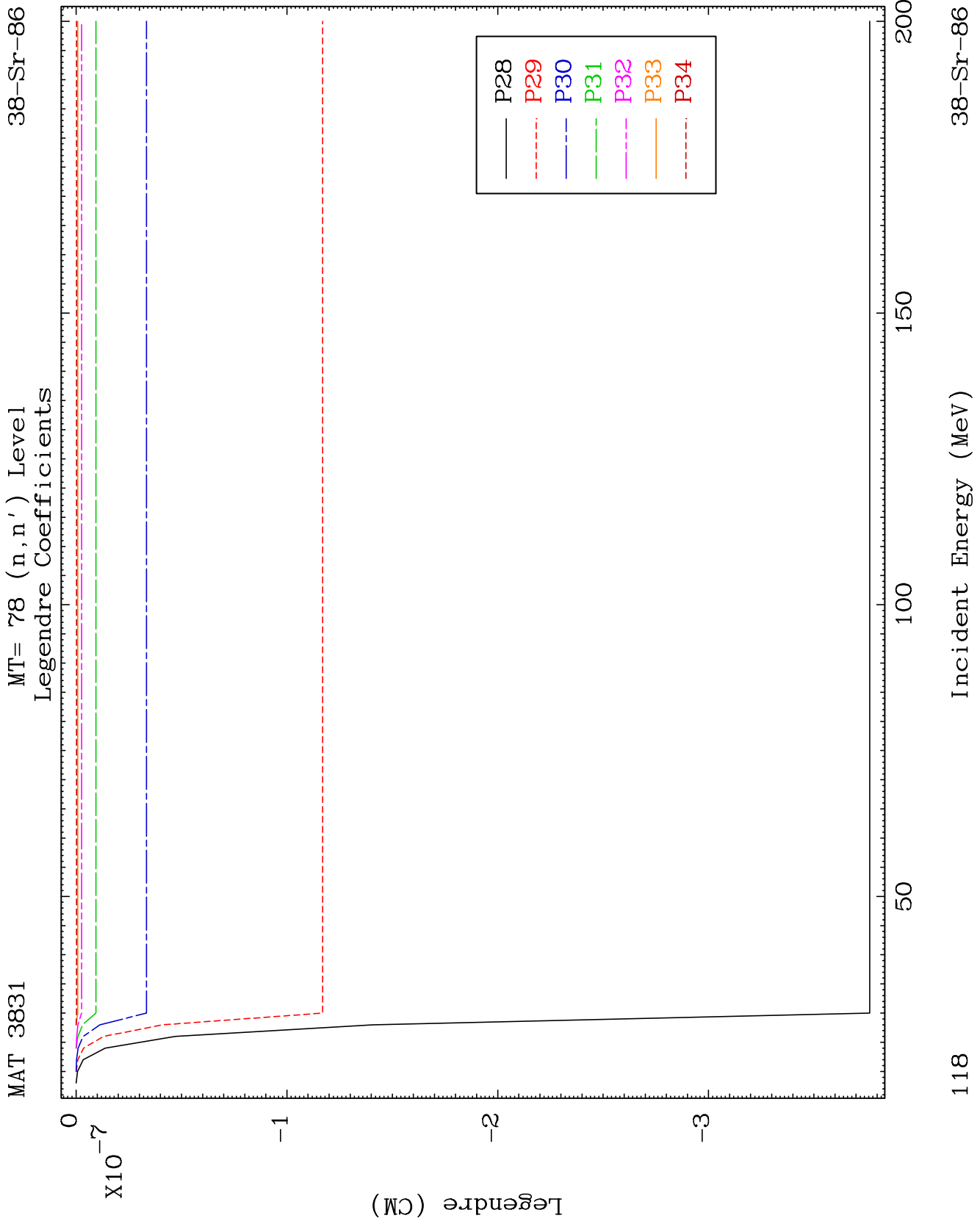
38-Sr-86



117

Incident Energy (MeV)

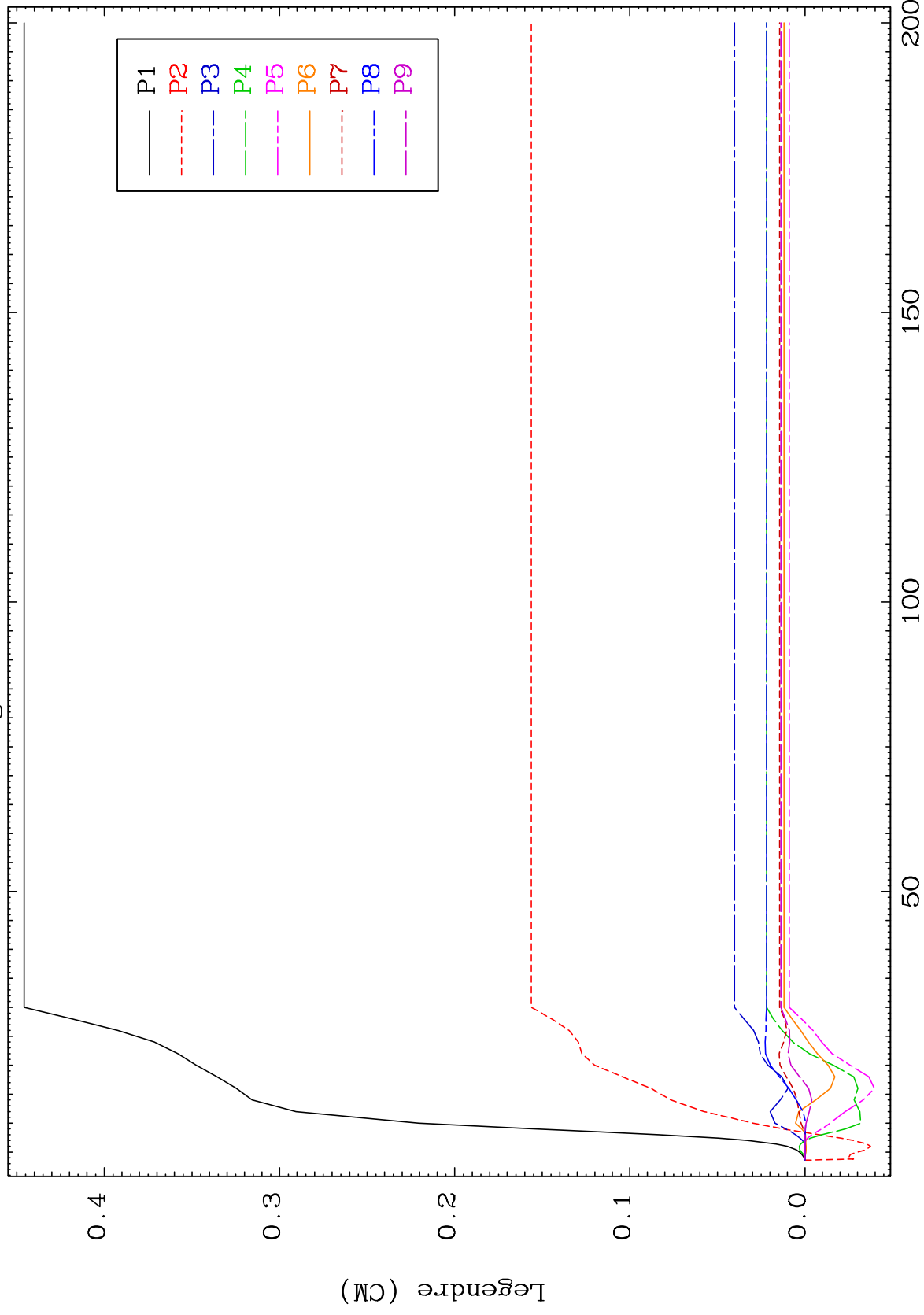
38-Sr-86



MAT 3831

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

38-Sr-86



119

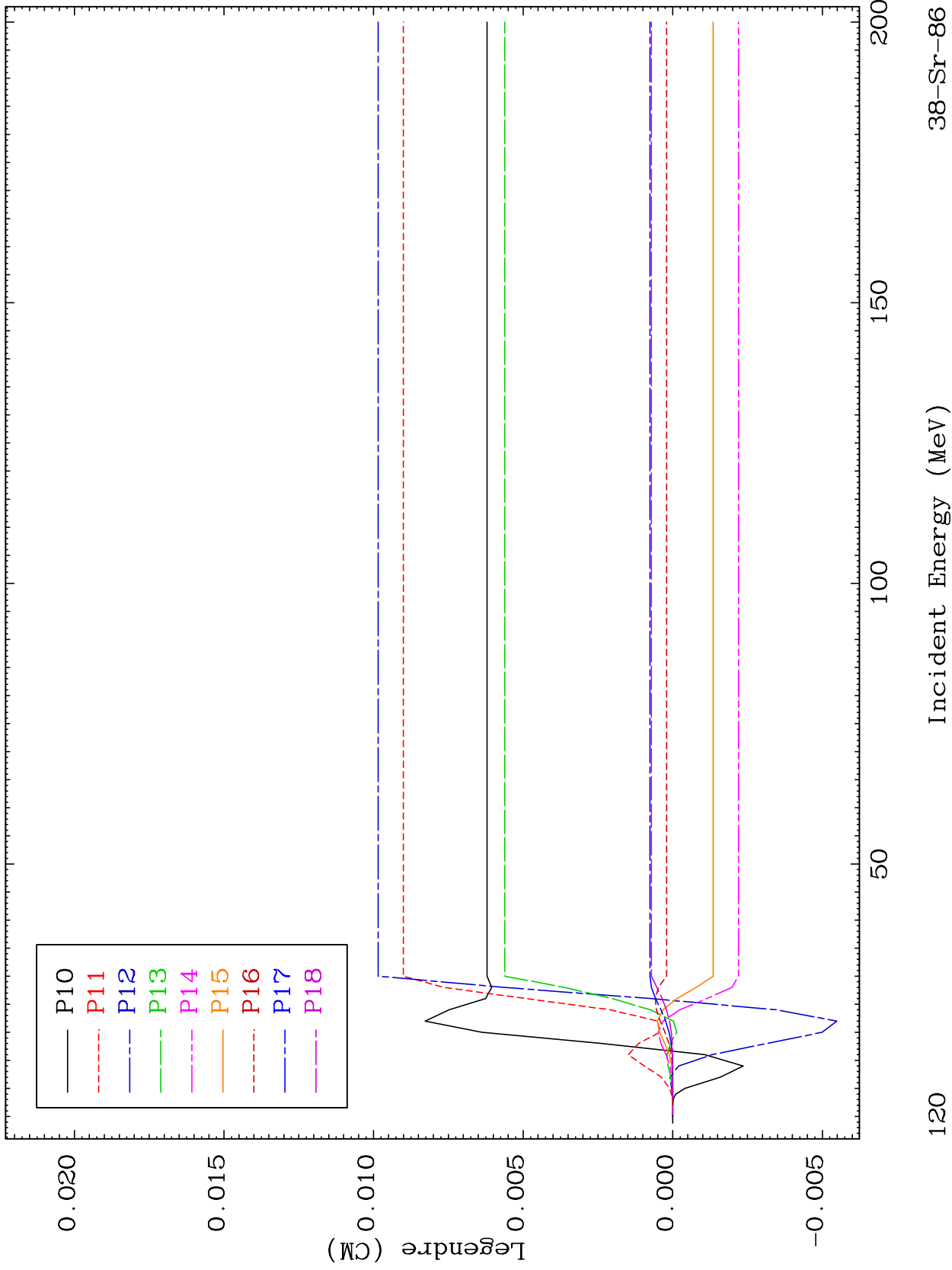
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



120

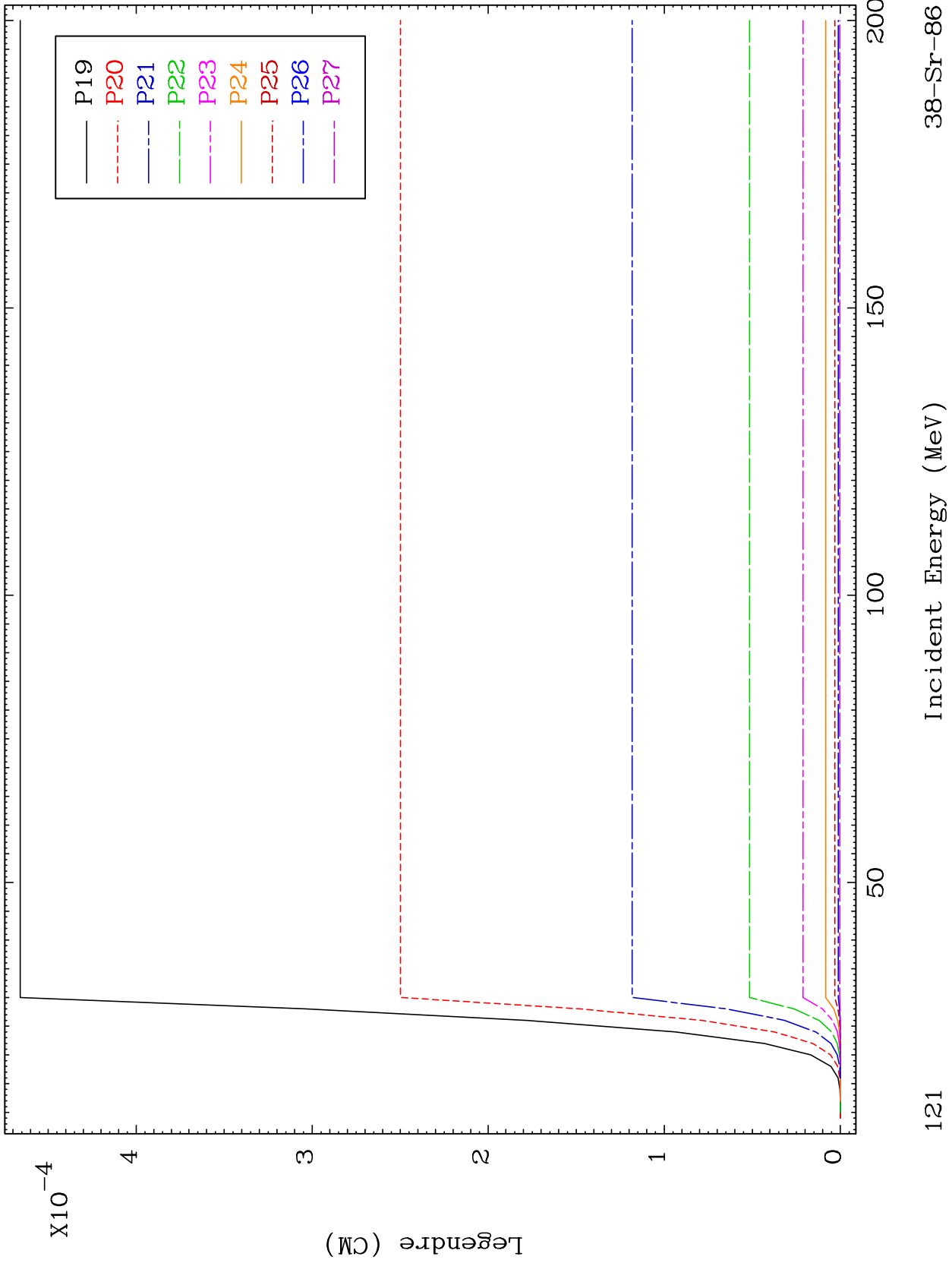
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

38-Sr-86



121

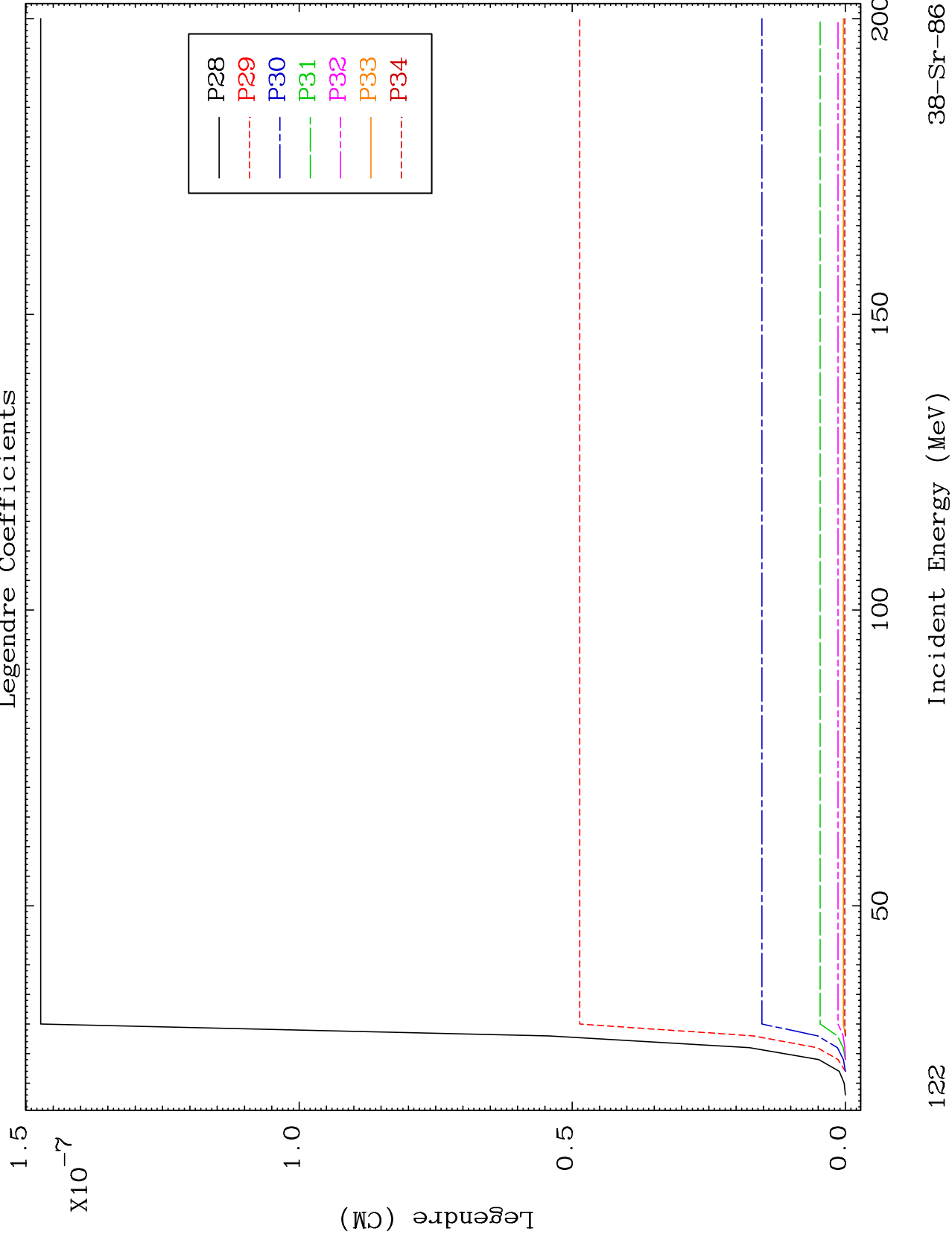
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

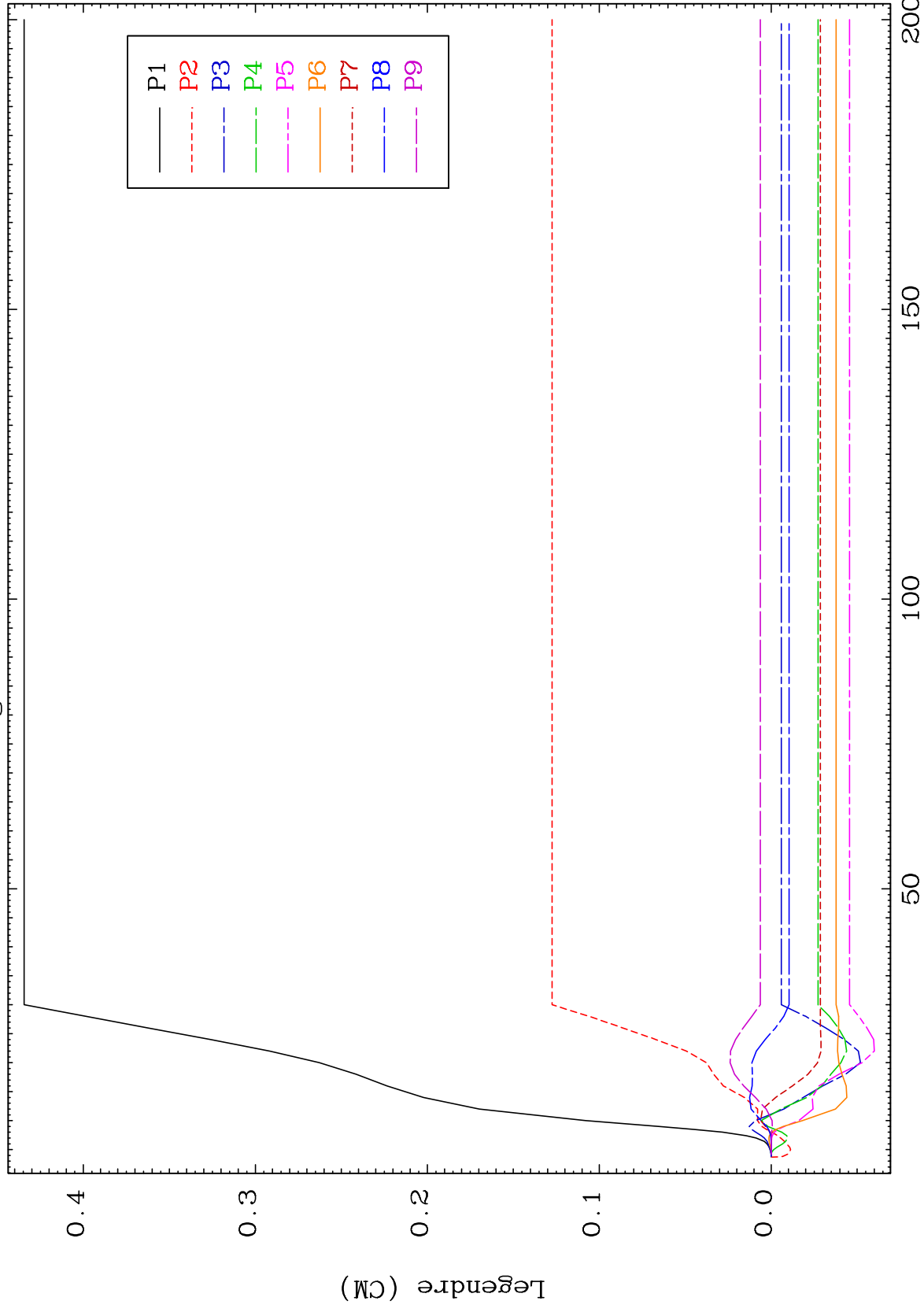
38-Sr-86



122

Incident Energy (MeV)

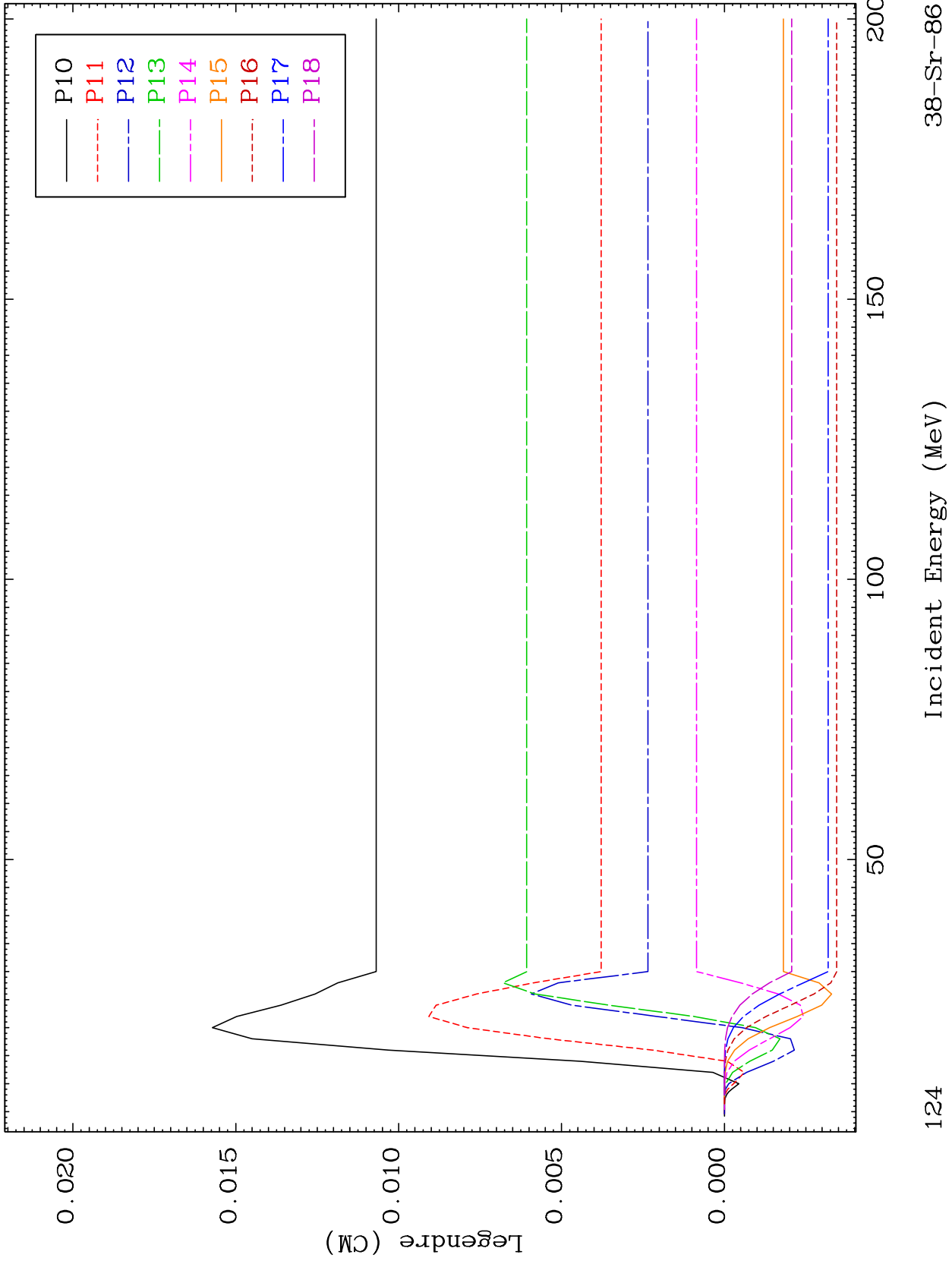
38-Sr-86



MAT 3831

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

38-Sr-86



124

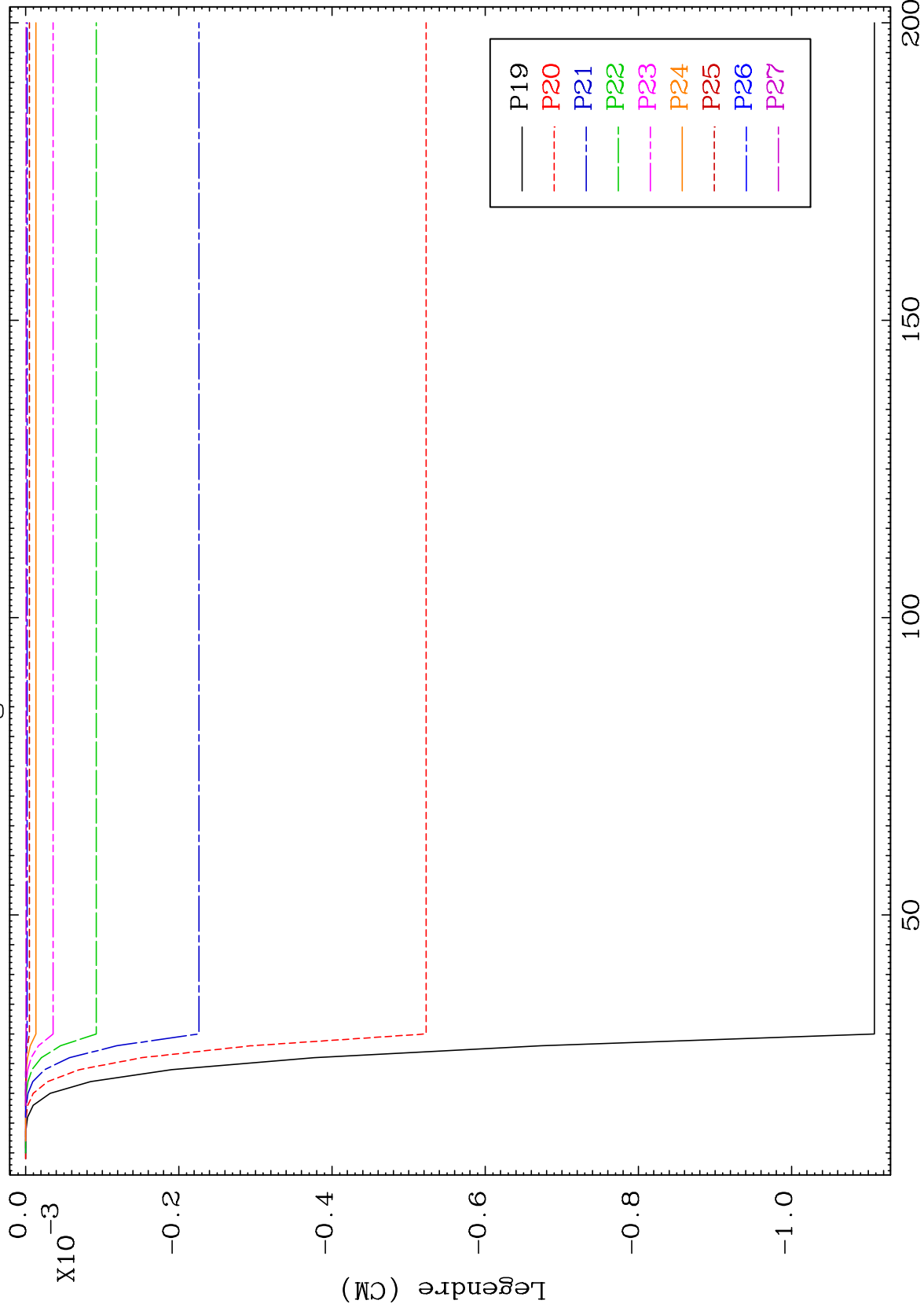
Incident Energy (MeV)

38-Sr-86

MAT 3831

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

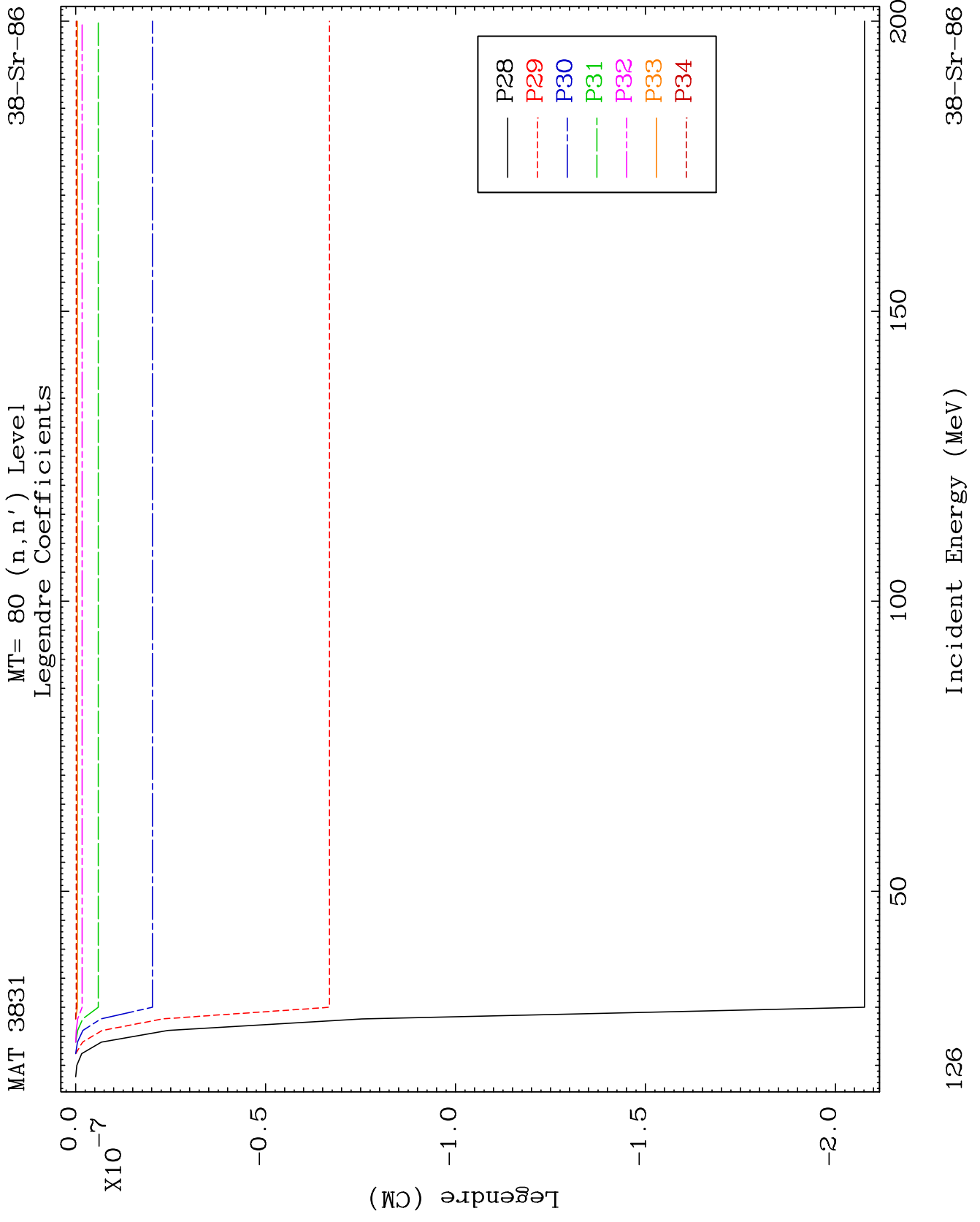
38-Sr-86



38-Sr-86

Incident Energy (MeV)

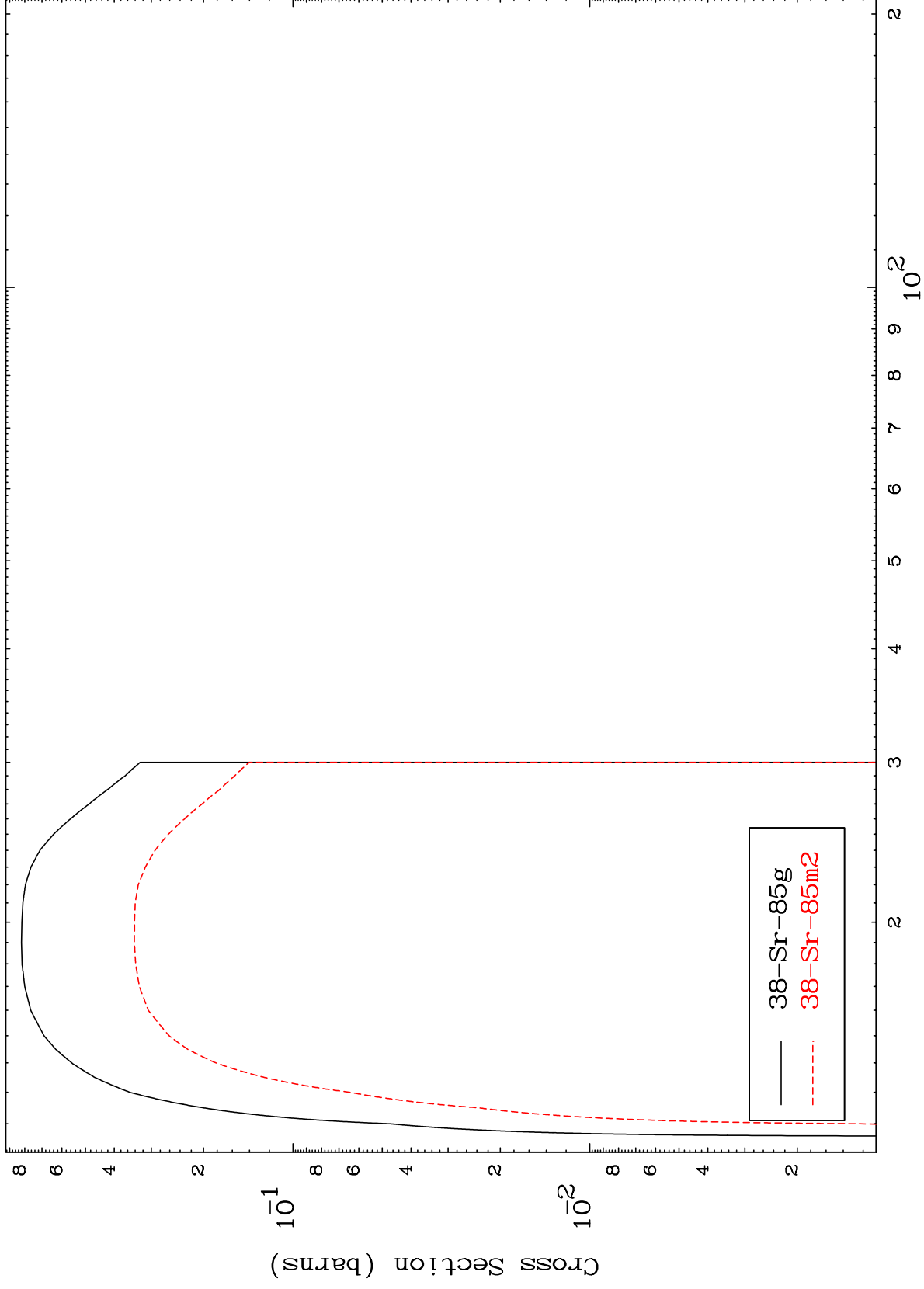
125



MAT 3831

38-Sr-86

Radionuclide Production Cross Section



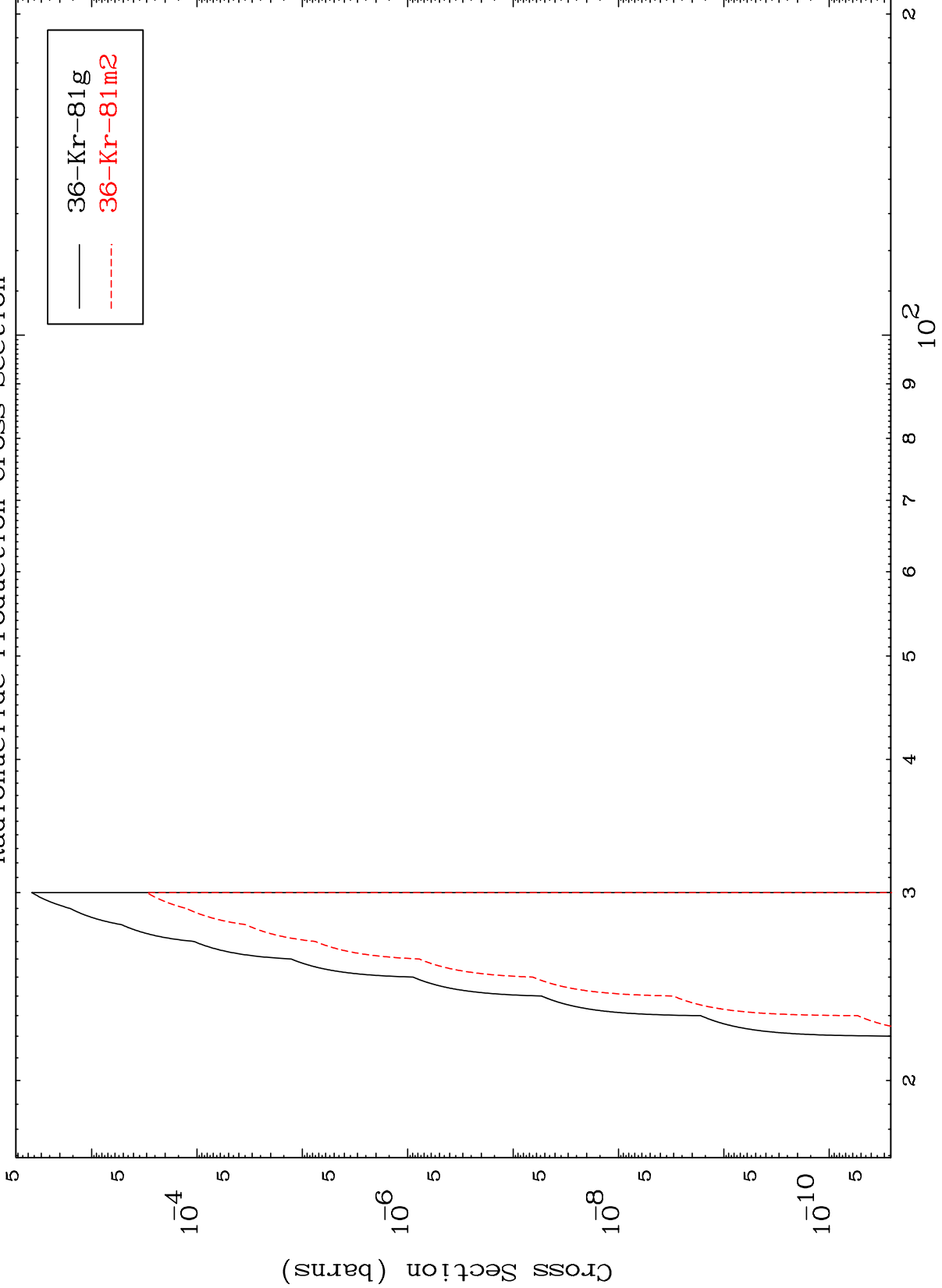
38-Sr-86

Incident Energy (MeV)

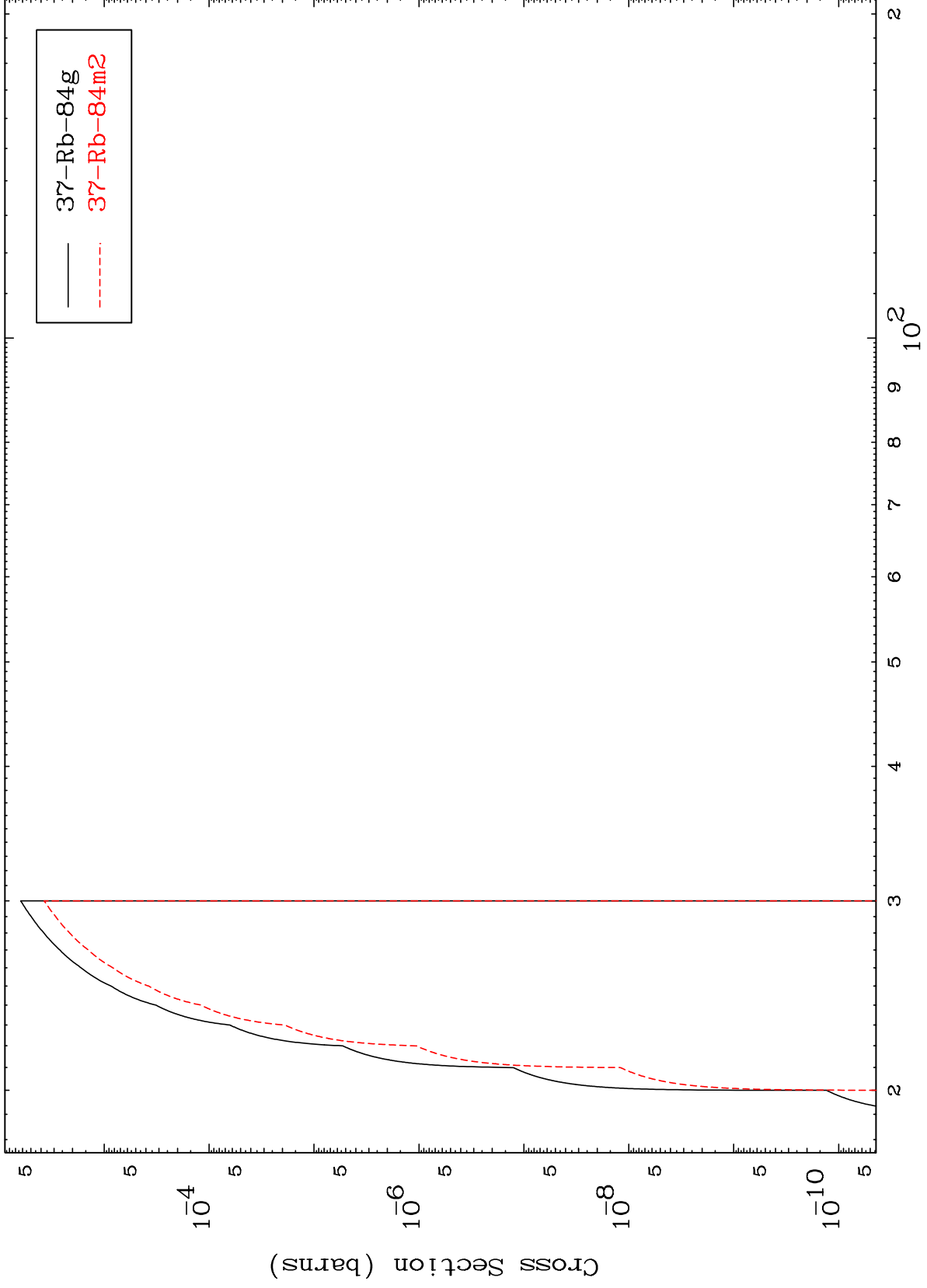
127

(n,2n) α

Radionuclide Production Cross Section



Radionuclide Production Cross Section

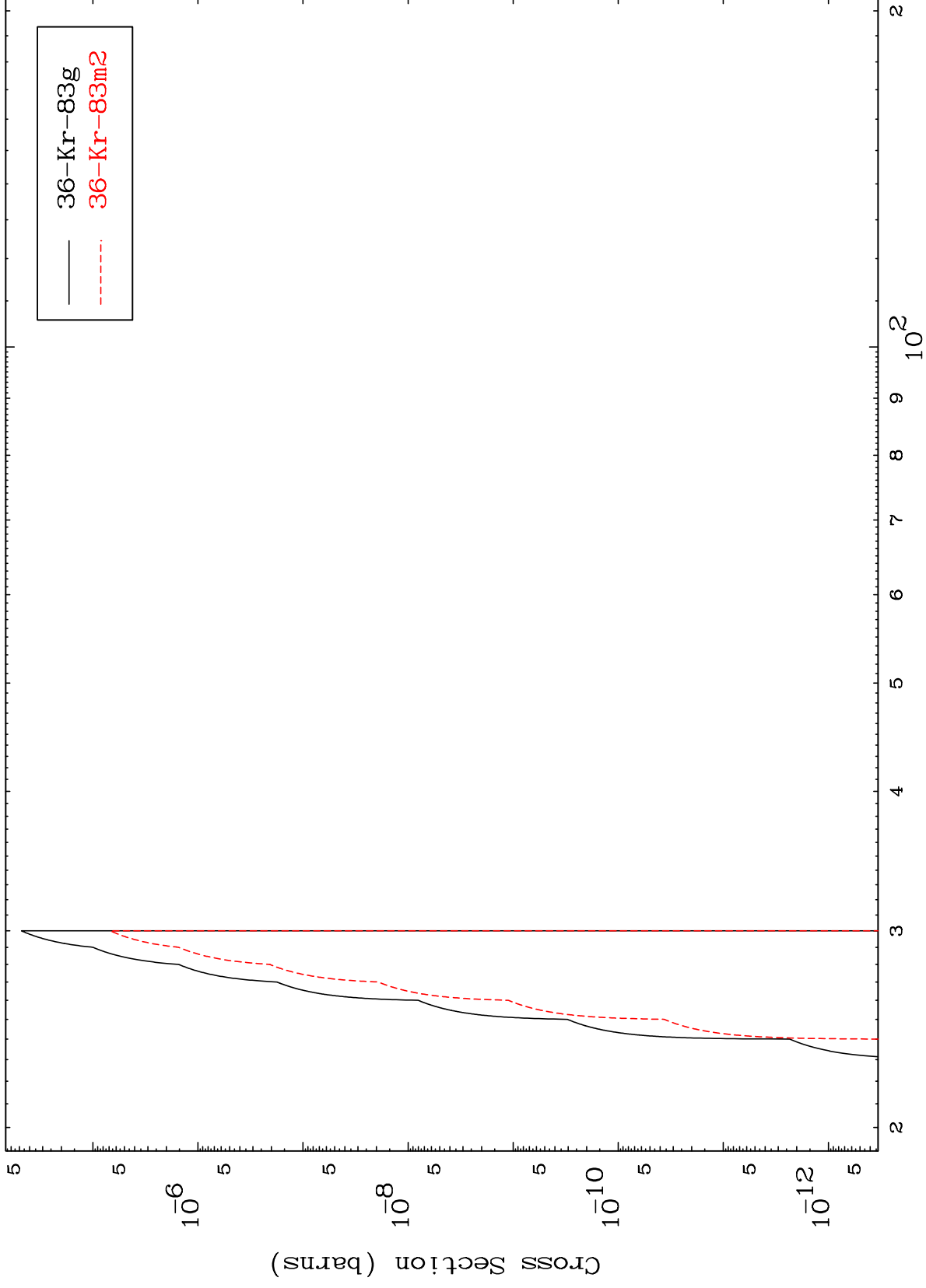


MAT 3831

(n,n') He-3

38-Sr-86

Radionuclide Production Cross Section



130

Incident Energy (MeV)

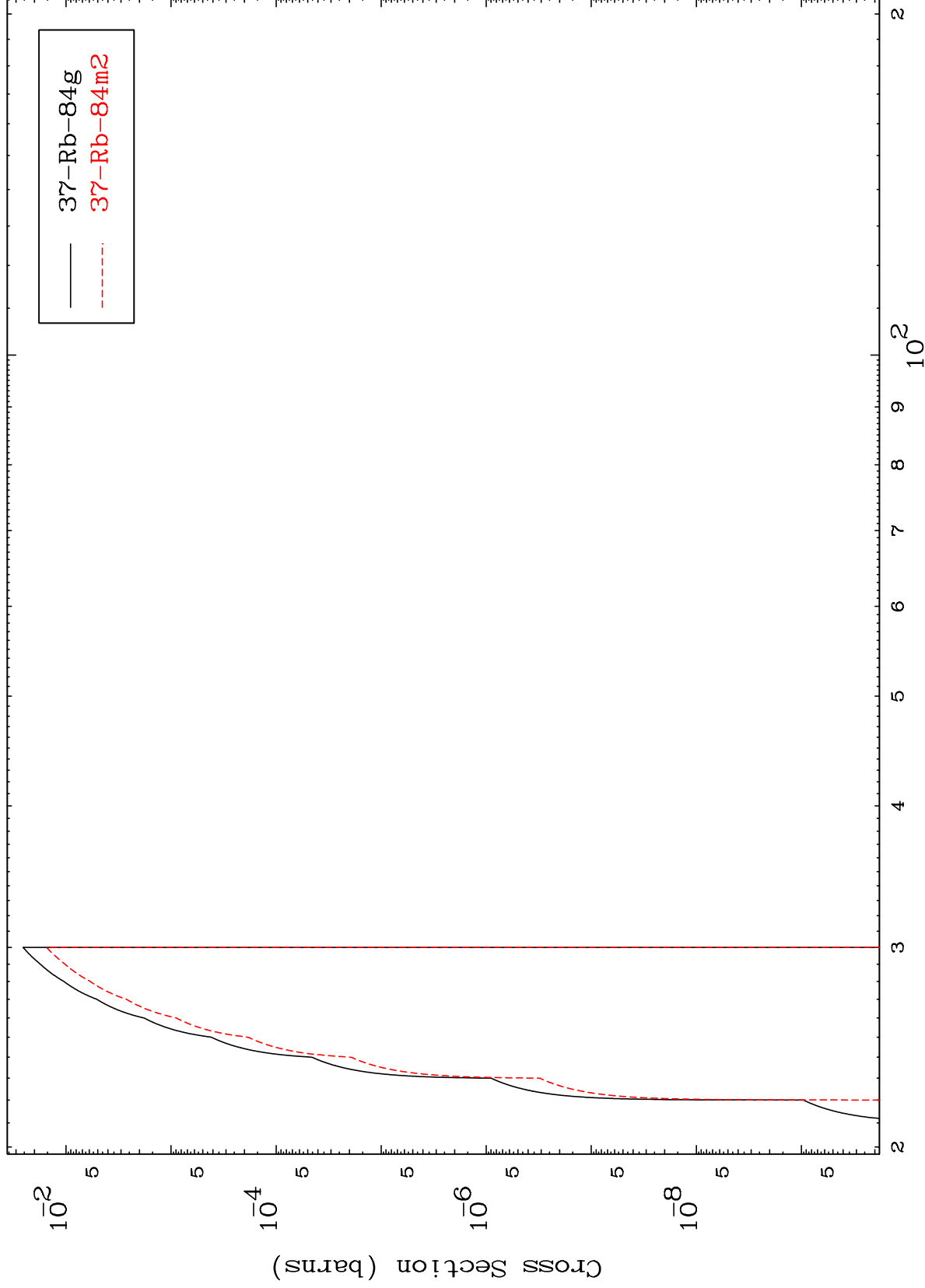
38-Sr-86

MAT 3831

(n,2n) p

38-Sr-86

Radionuclide Production Cross Section



131

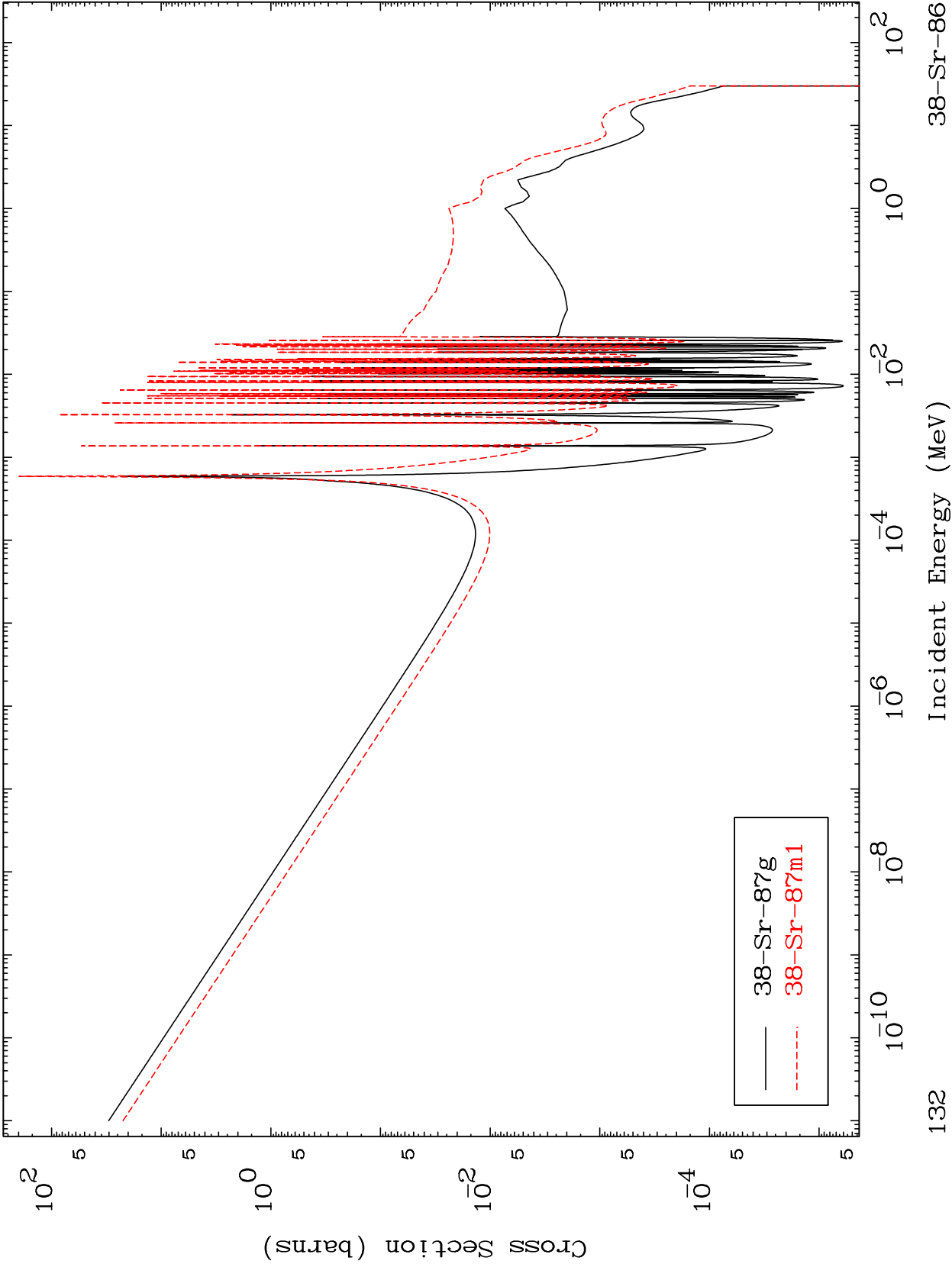
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

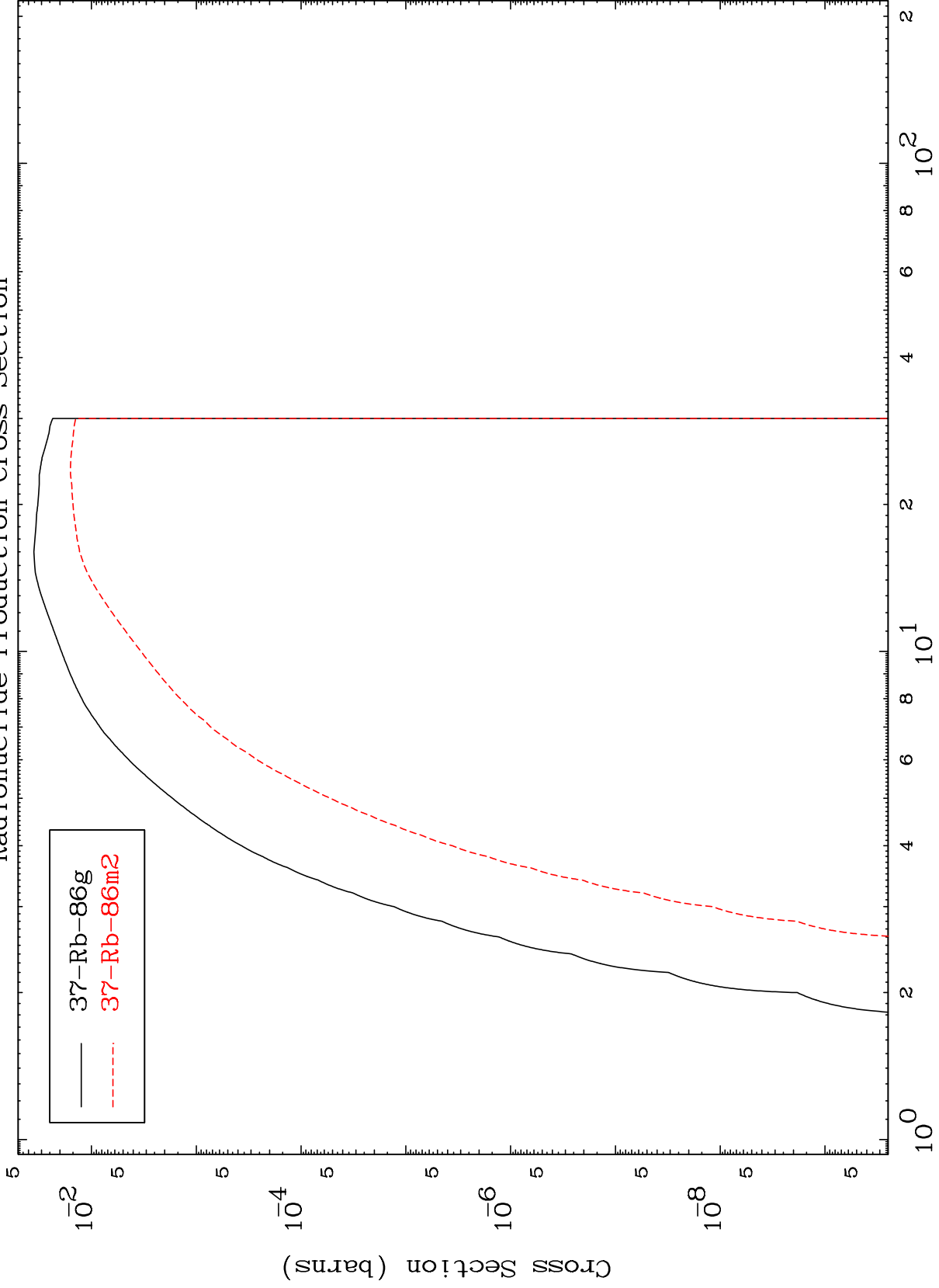
(n, γ)
Radionuclide Production Cross Section



MAT 3831

38-Sr-86

(n,p)
Radionuclide Production Cross Section



133

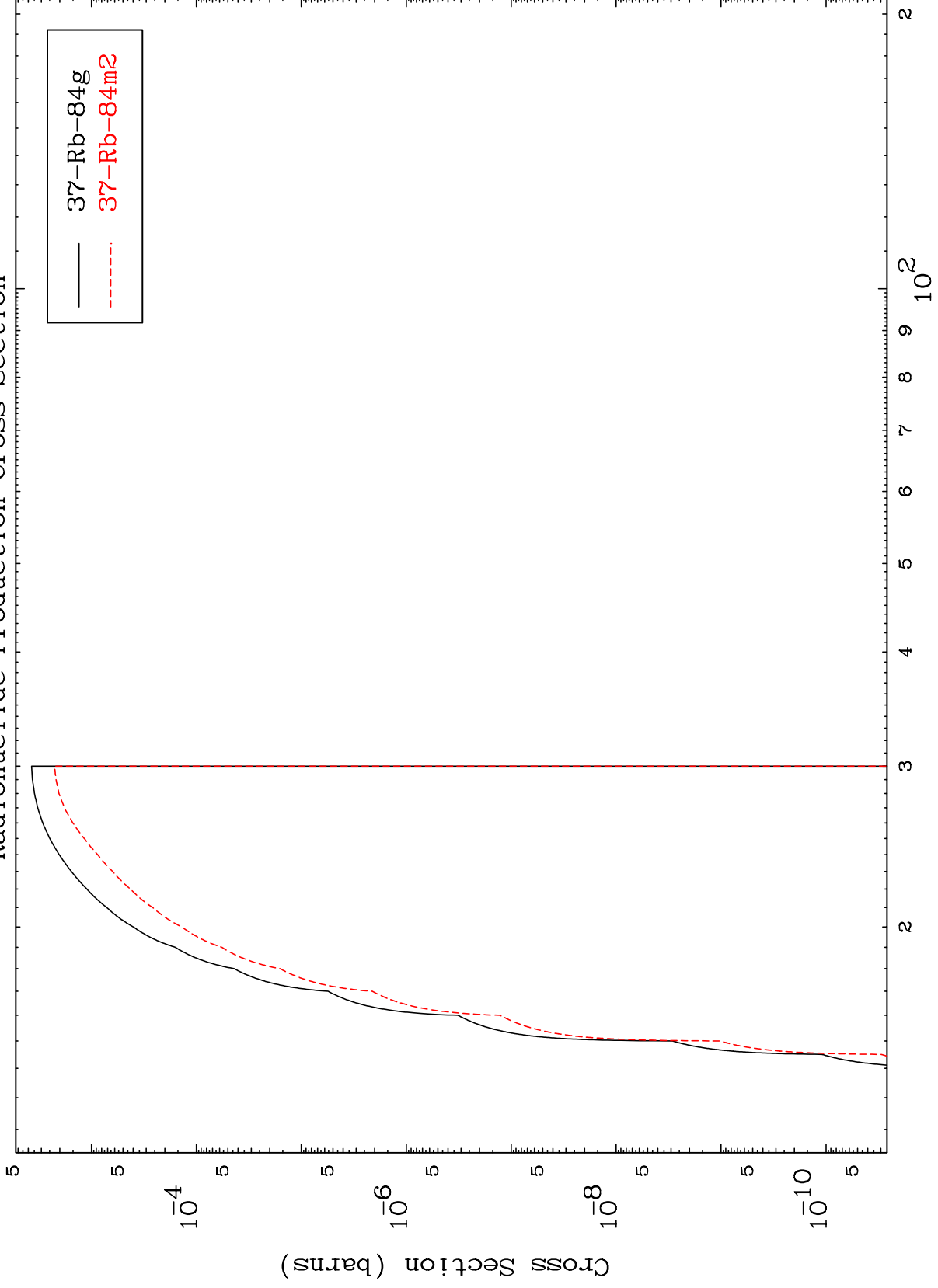
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

(n,t)
Radionuclide Production Cross Section



134

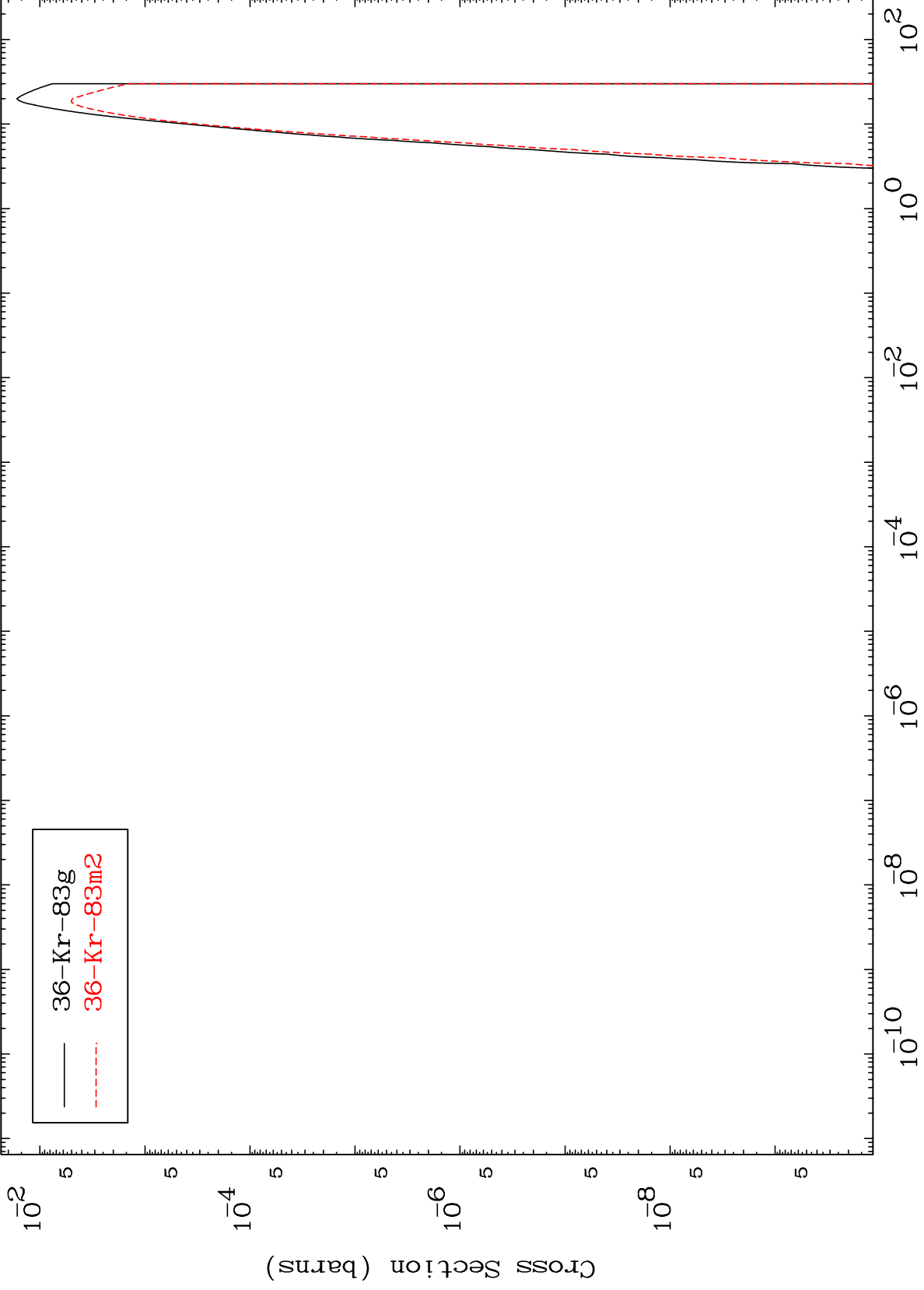
Incident Energy (MeV)

38-Sr-86

MAT 3831

³⁸Sr-86

(n,α)
Radionuclide Production Cross Section



— 36-Kr-83g
- - - 36-Kr-83m2

³⁸Sr-86

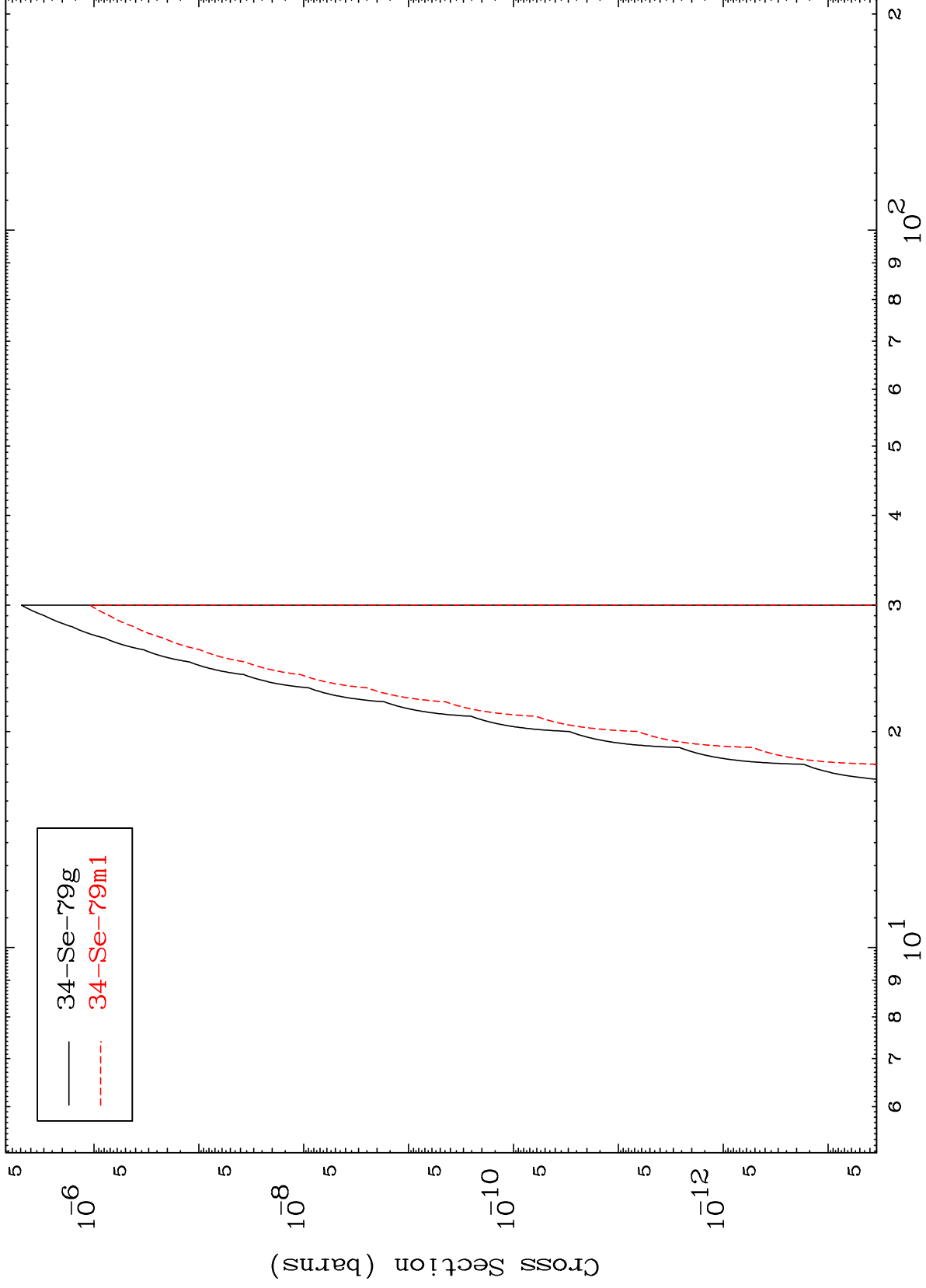
Incident Energy (MeV)

135

MAT 3831

38-Sr-86

(n,2α)
Radionuclide Production Cross Section



136

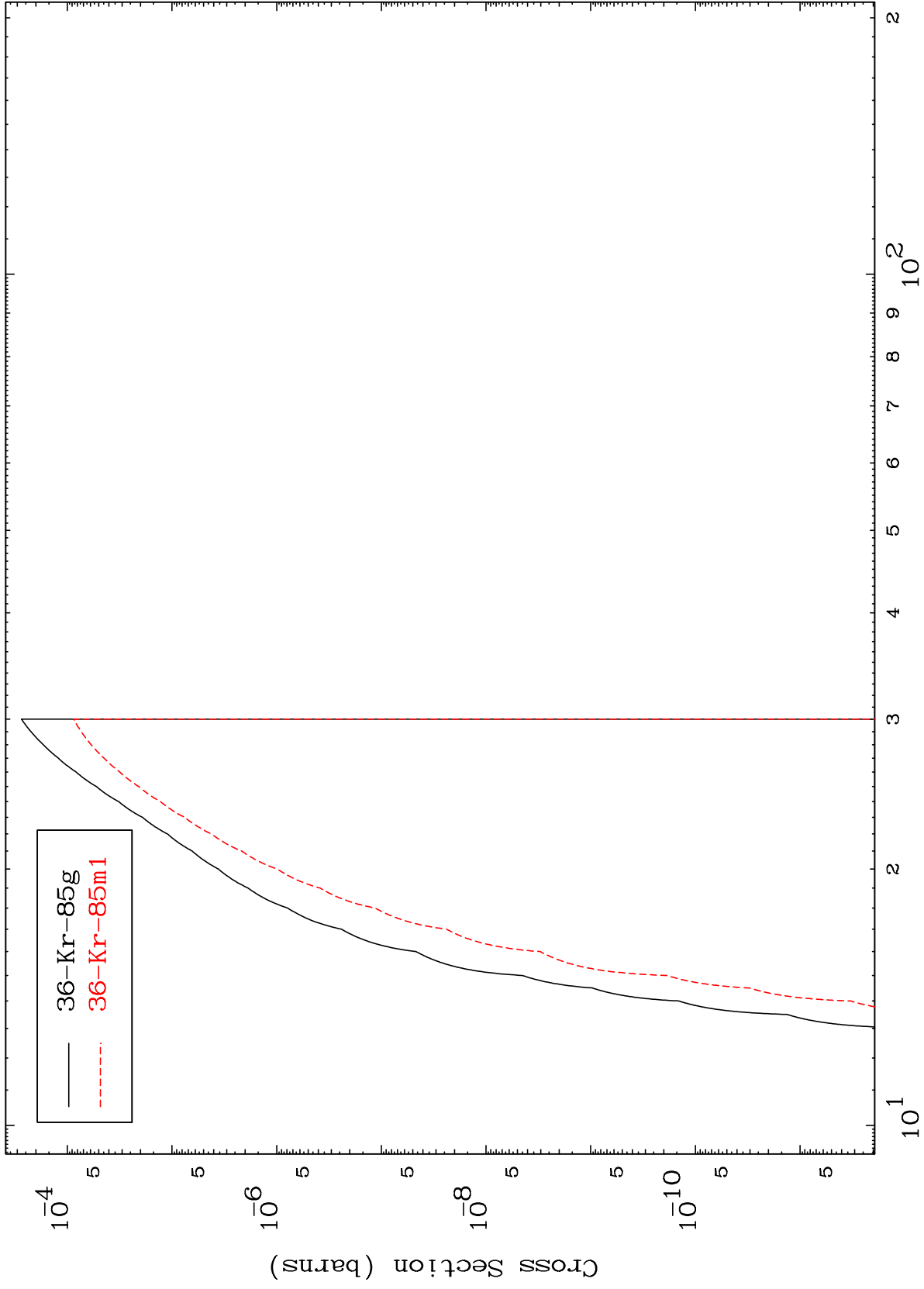
Incident Energy (MeV)

38-Sr-86

MAT 3831

38-Sr-86

(n,2p)
Radionuclide Production Cross Section



— 36-Kr-85g
- - - 36-Kr-85m1

38-Sr-86

Incident Energy (MeV)

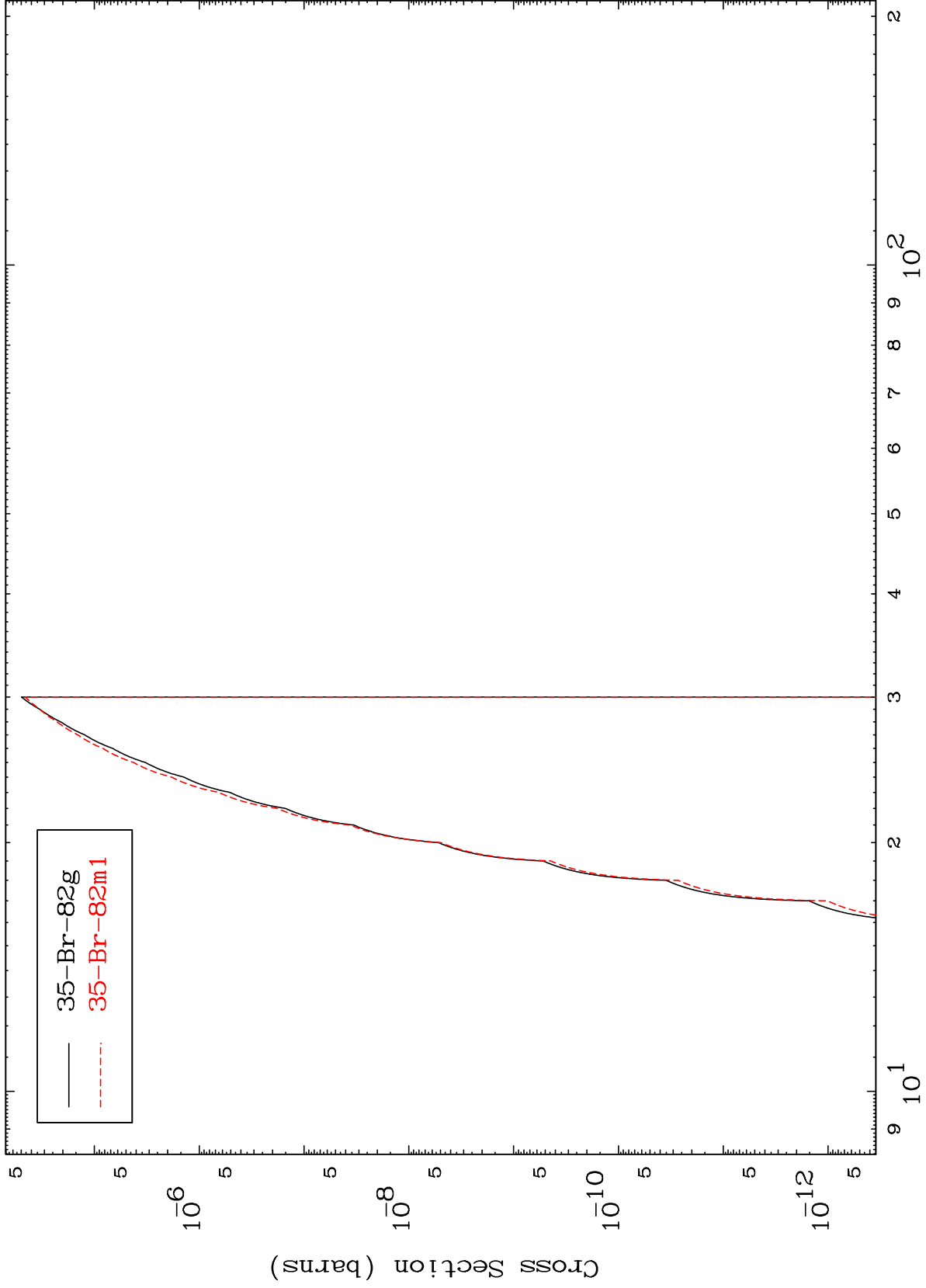
137

MAT 3831

(n,p) α

38-Sr-86

Radionuclide Production Cross Section



138

Incident Energy (MeV)

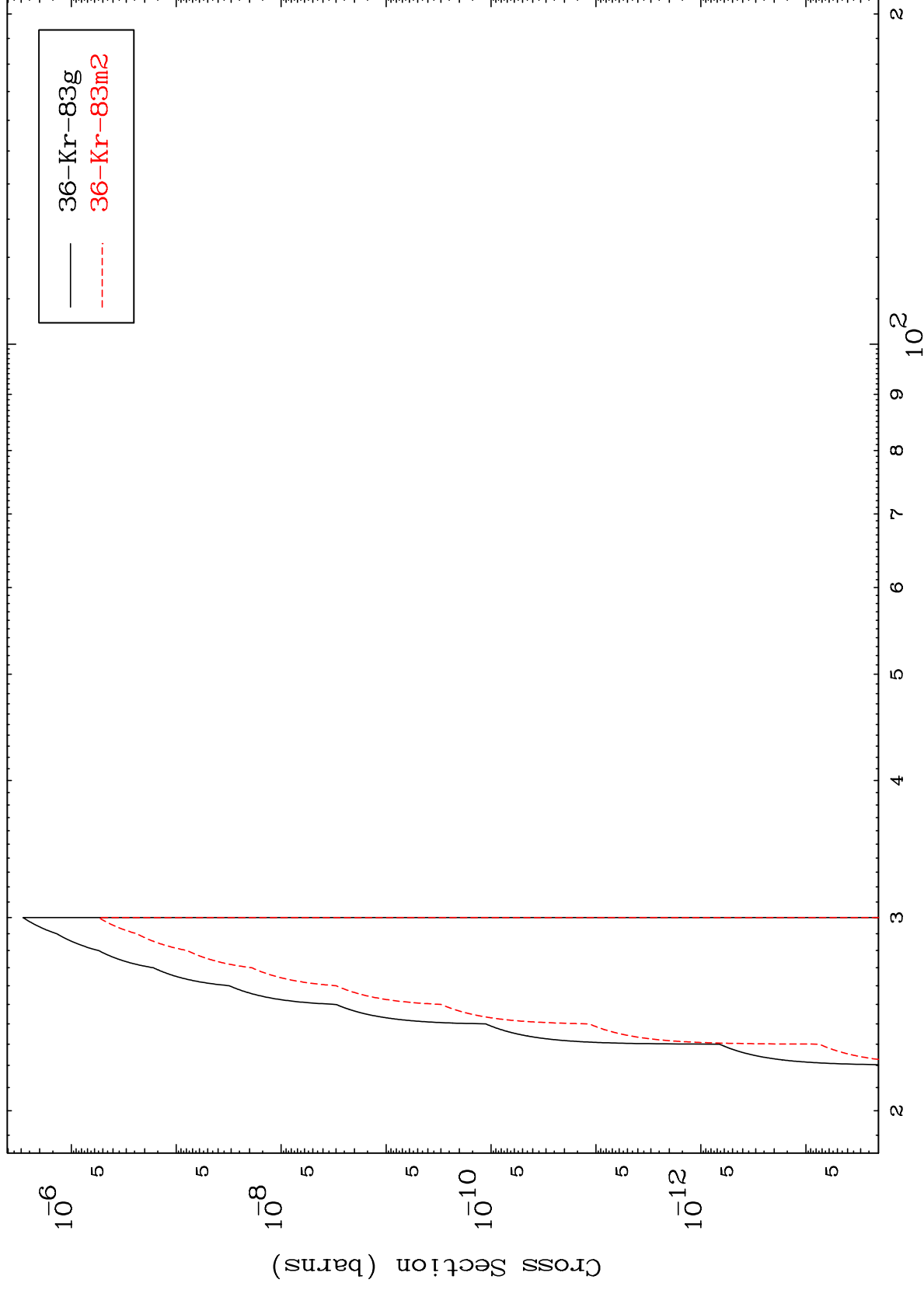
38-Sr-86

MAT 3831

(n,p) t

38-Sr-86

Radionuclide Production Cross Section



139

Incident Energy (MeV)

38-Sr-86