

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

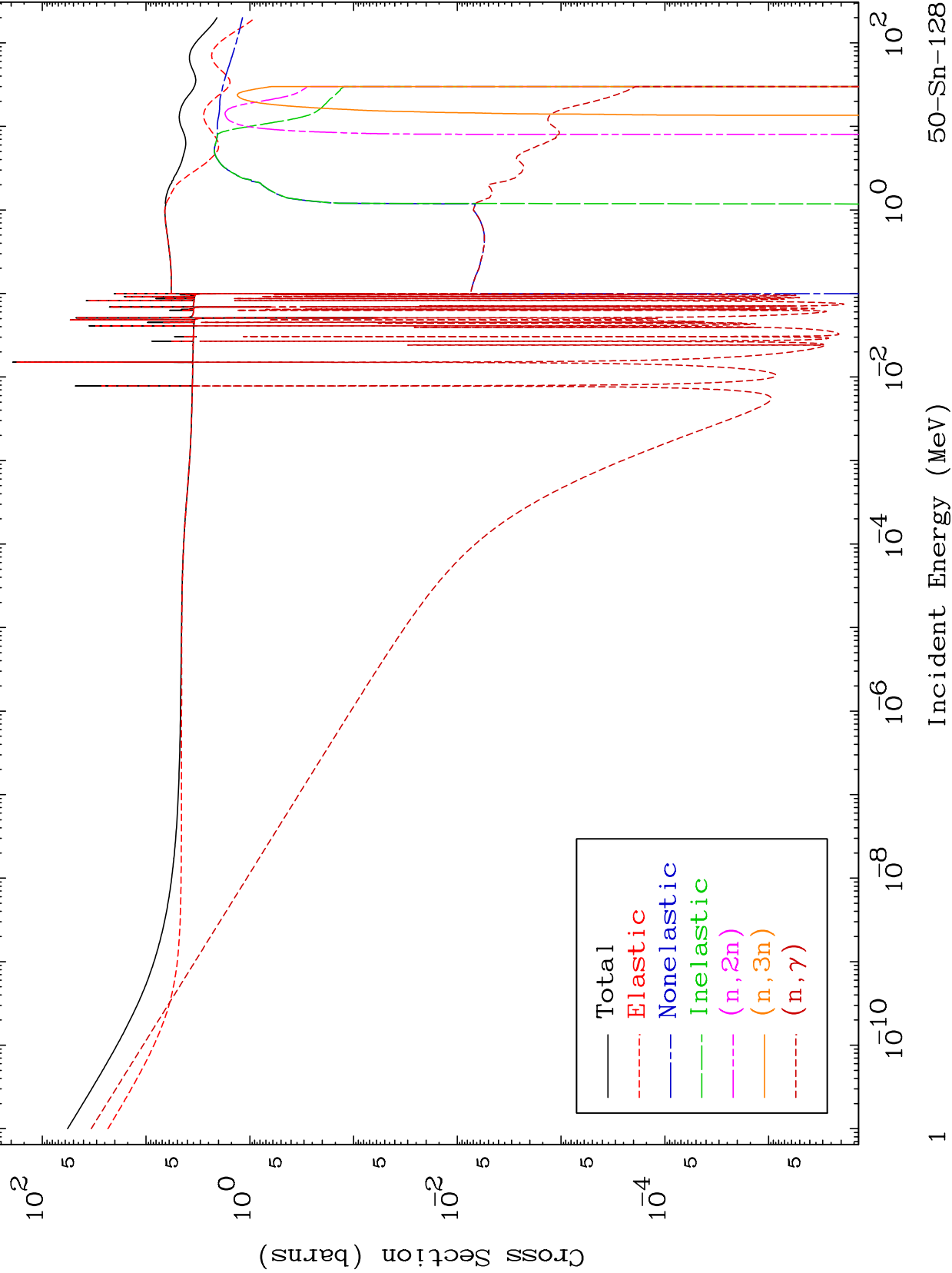
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5073

Neutron Major  
293 Kelvin Cross Sections

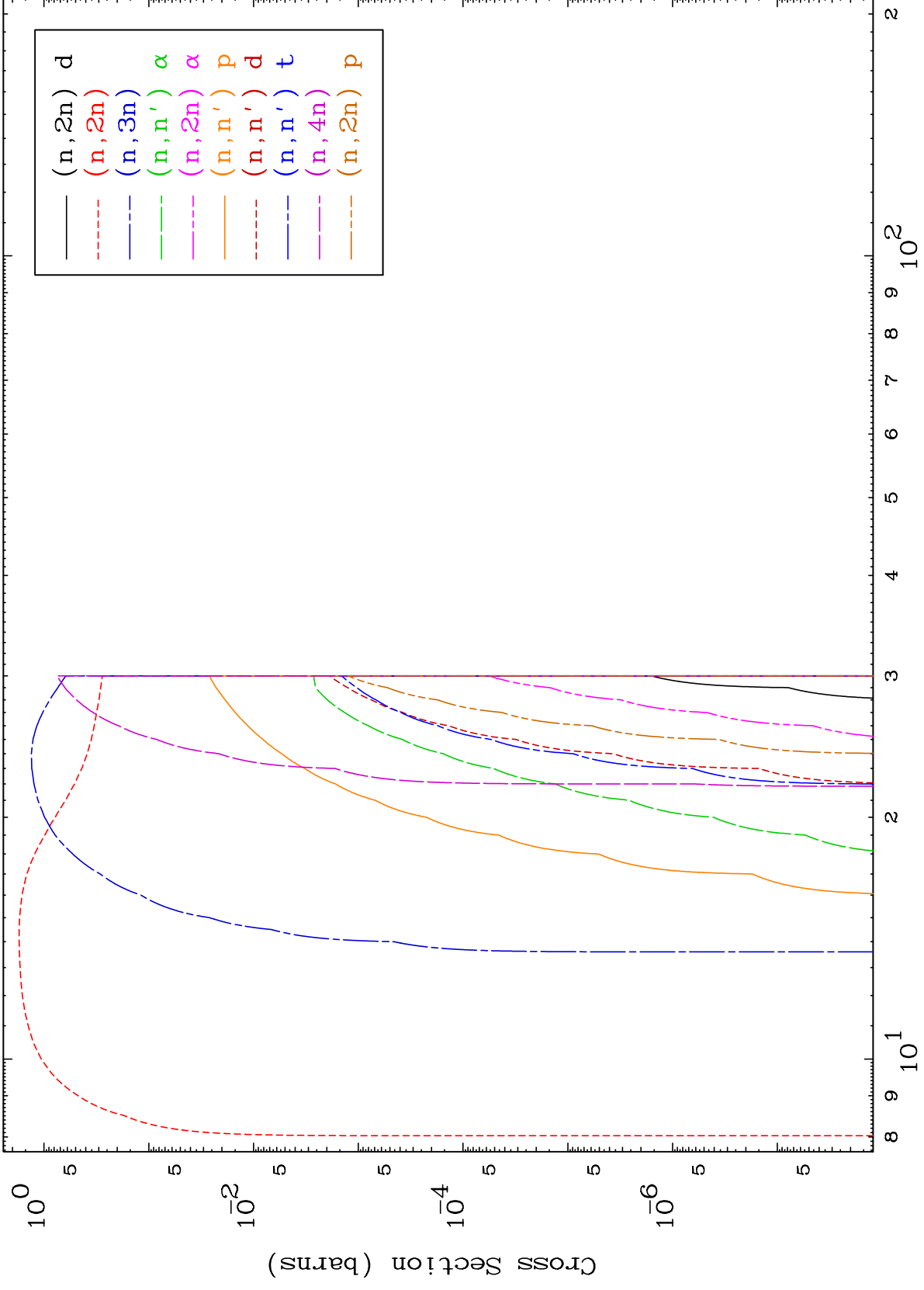
50-Sn-128



MAT 5073

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-128



50-Sn-128

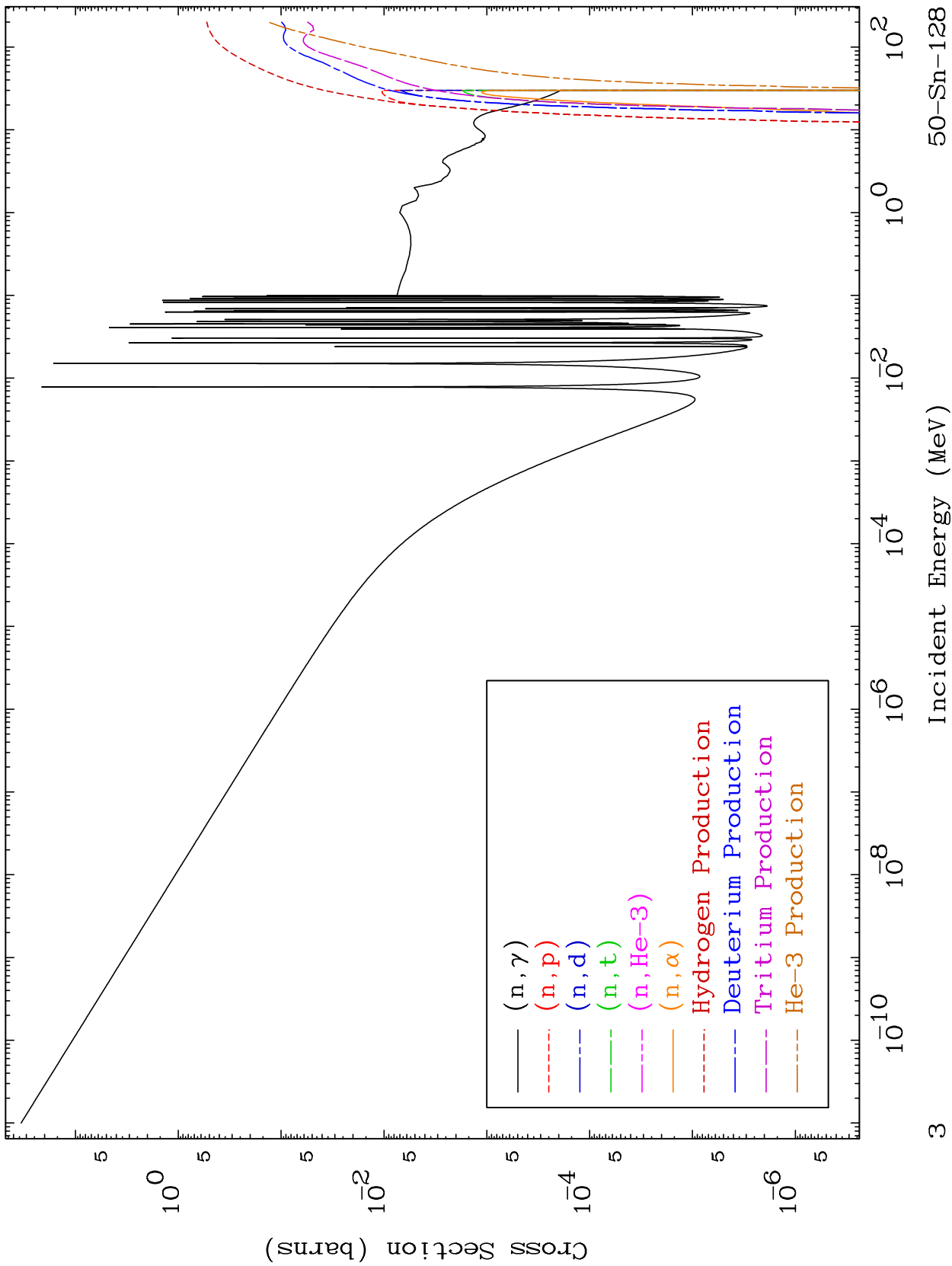
Incident Energy (MeV)

2

MAT 5073

Neutron Absorption  
293 Kelvin Cross Sections

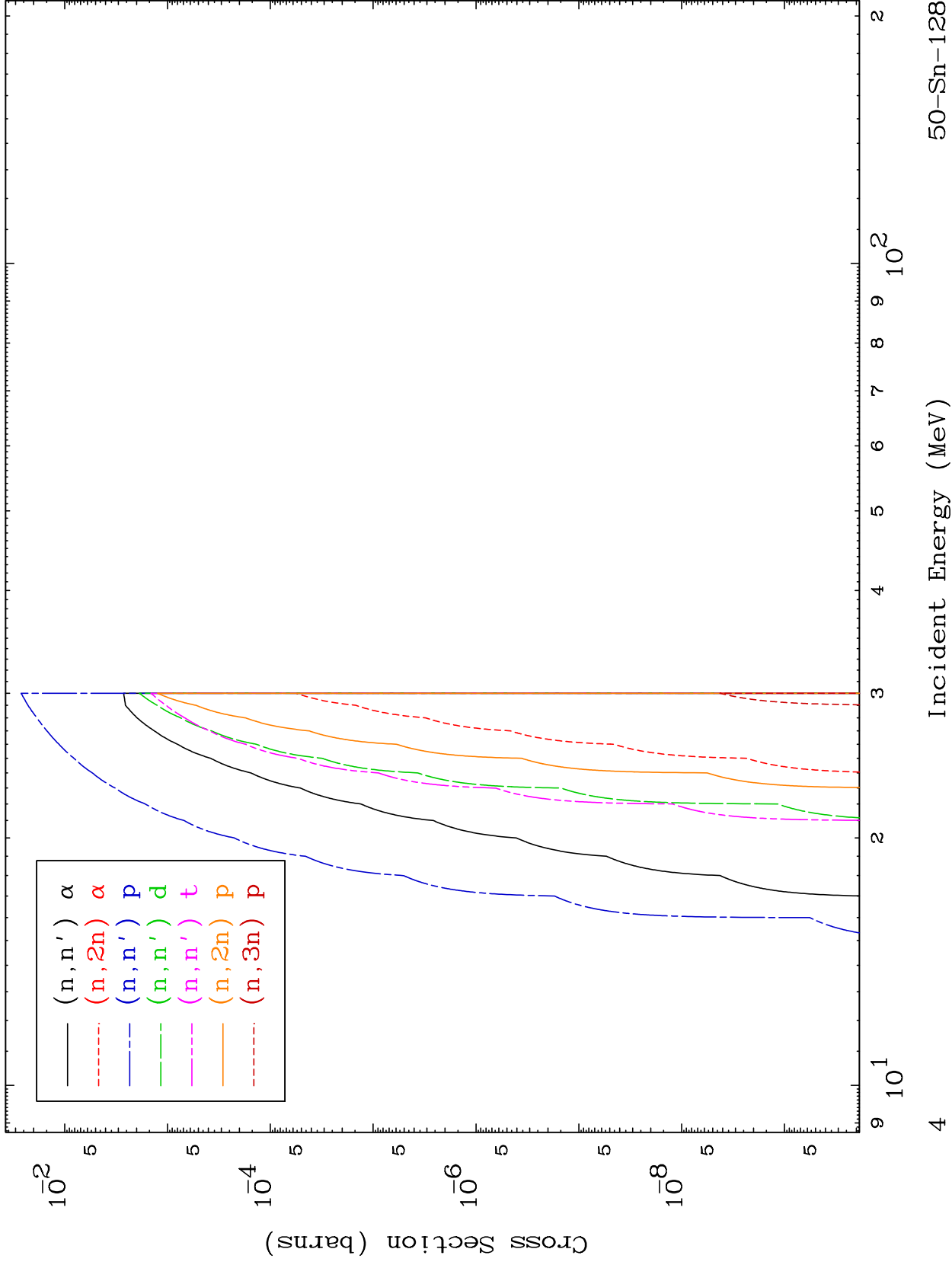
50-Sn-128



MAT 5073

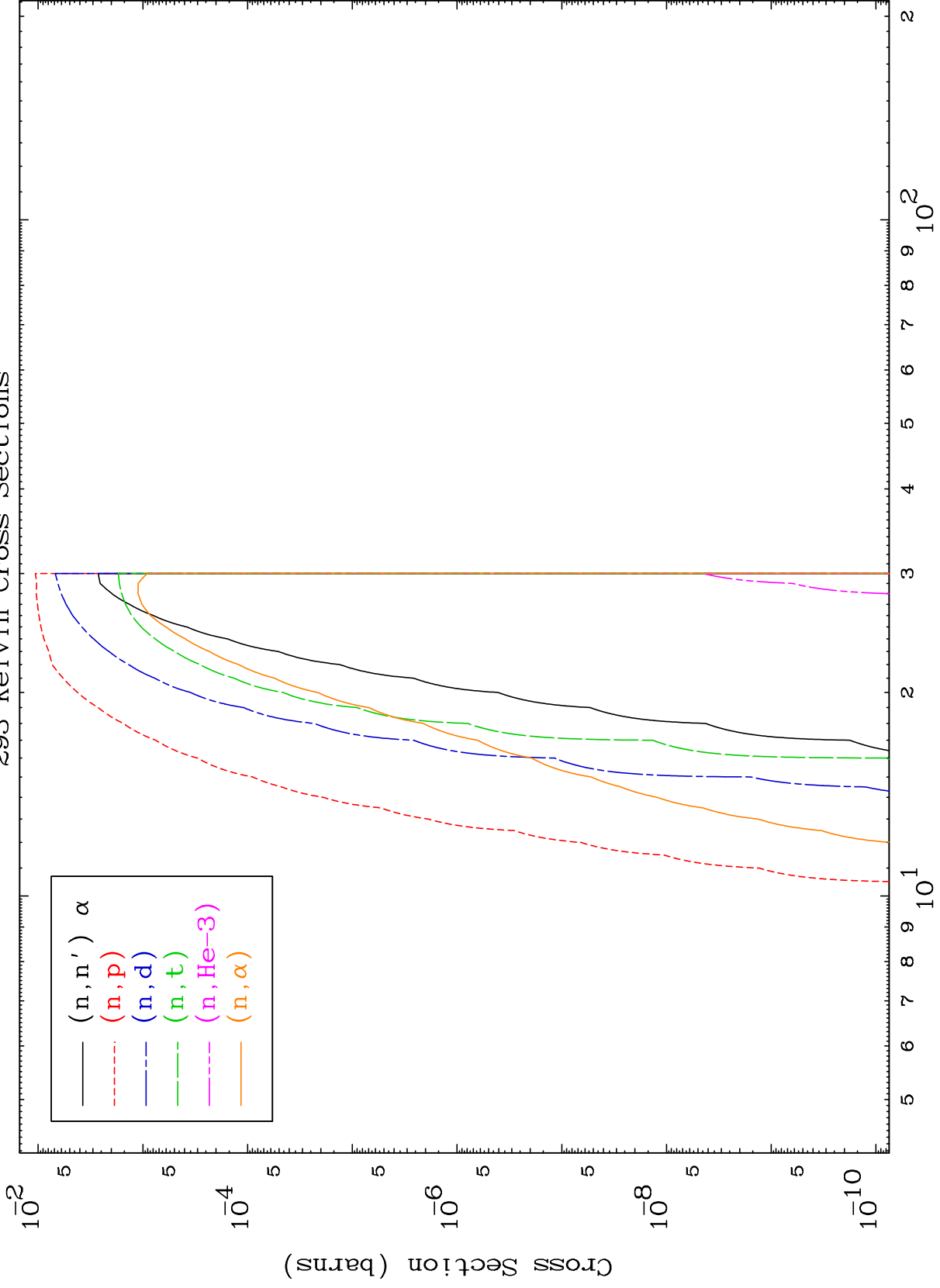
Charged Particle  
293 Kelvin Cross Sections

50-Sn-128



50-Sn-128

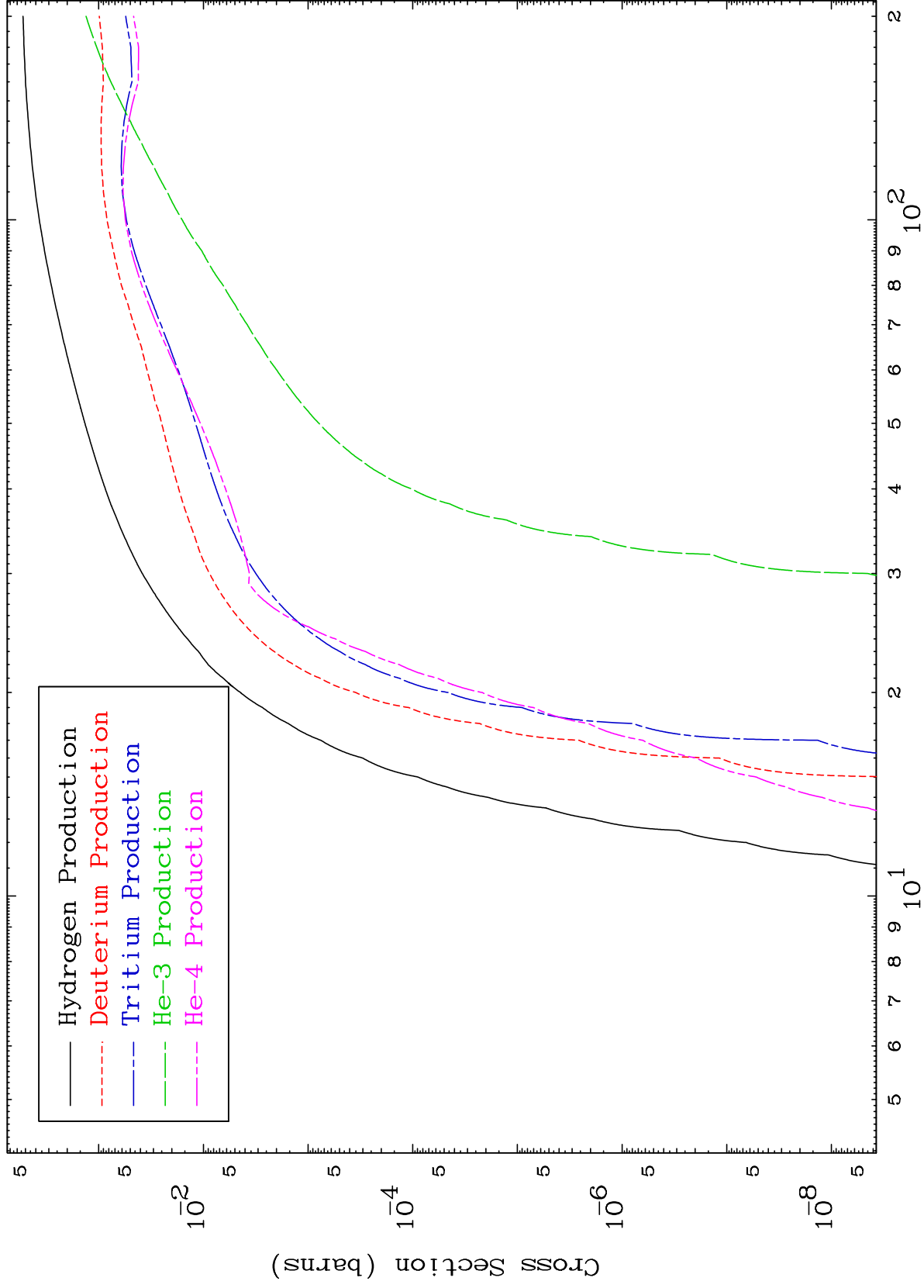
Incident Energy (MeV)



MAT 5073

Particle Production  
293 Kelvin Cross Sections

50-Sn-128



6

Incident Energy (MeV)

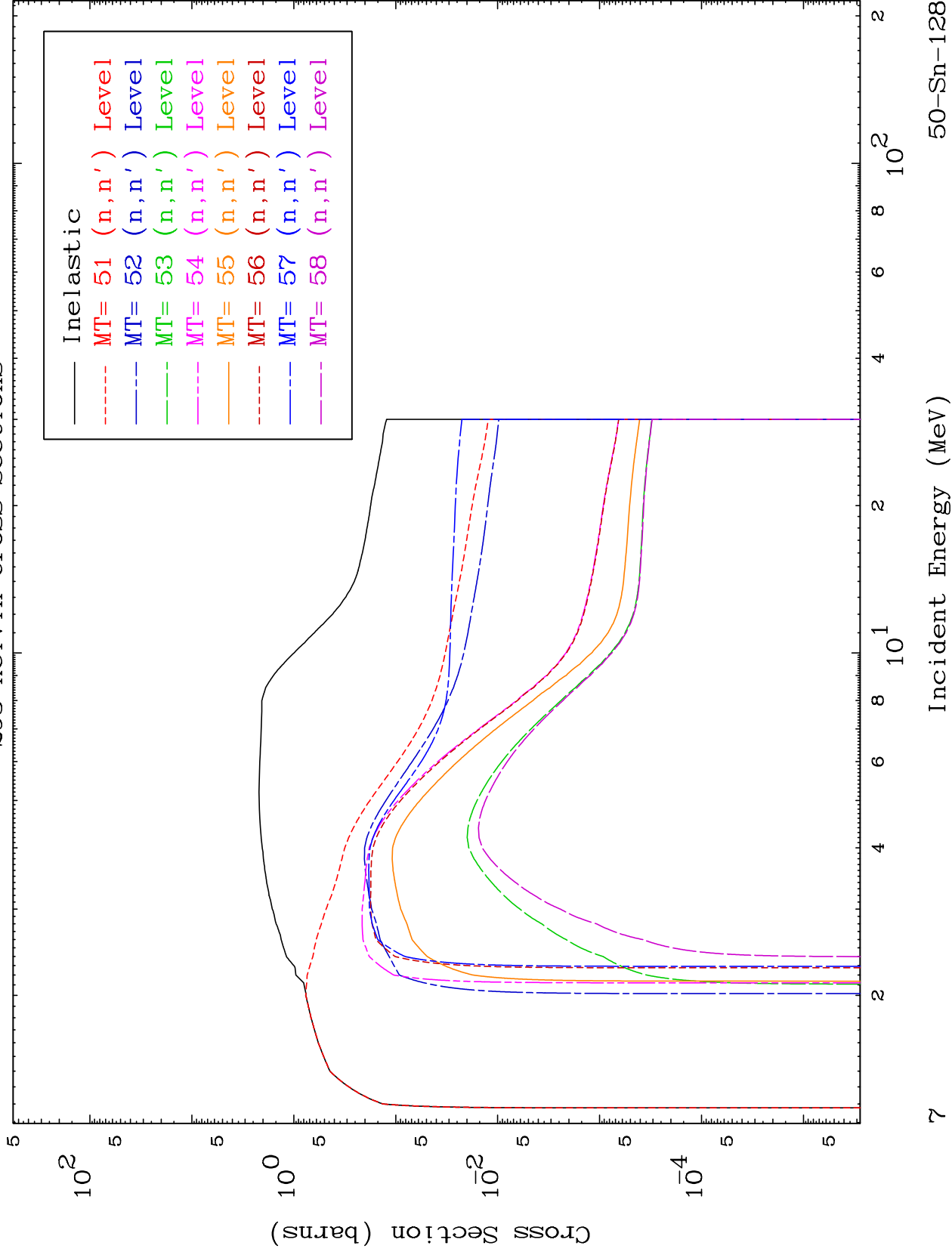
50-Sn-128

MAT 5073

(n,n') Levels

50-Sn-128

293 Kelvin Cross Sections



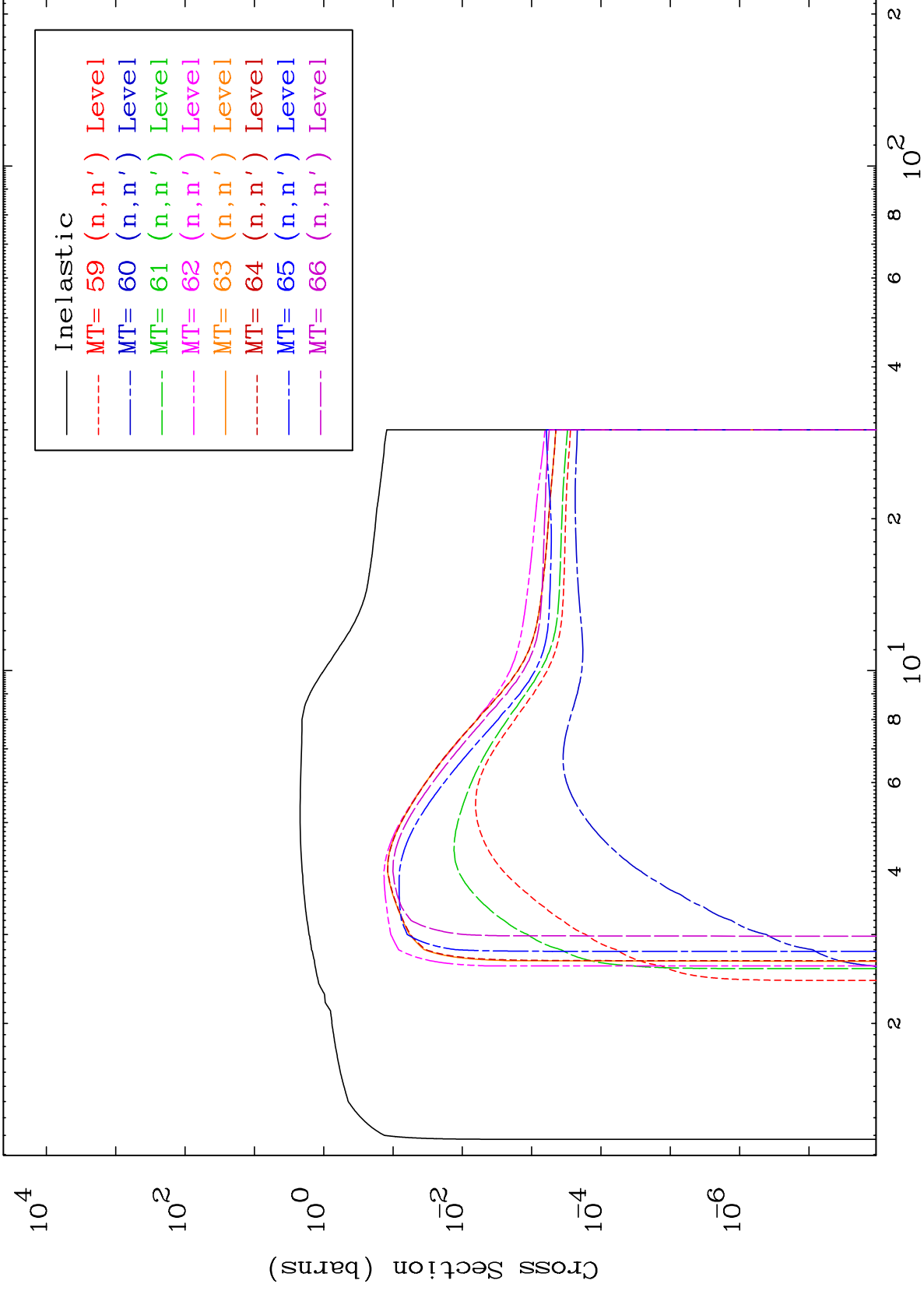


MAT 5073

(n,n') Levels

293 Kelvin Cross Sections

50-Sn-128



8

Incident Energy (MeV)

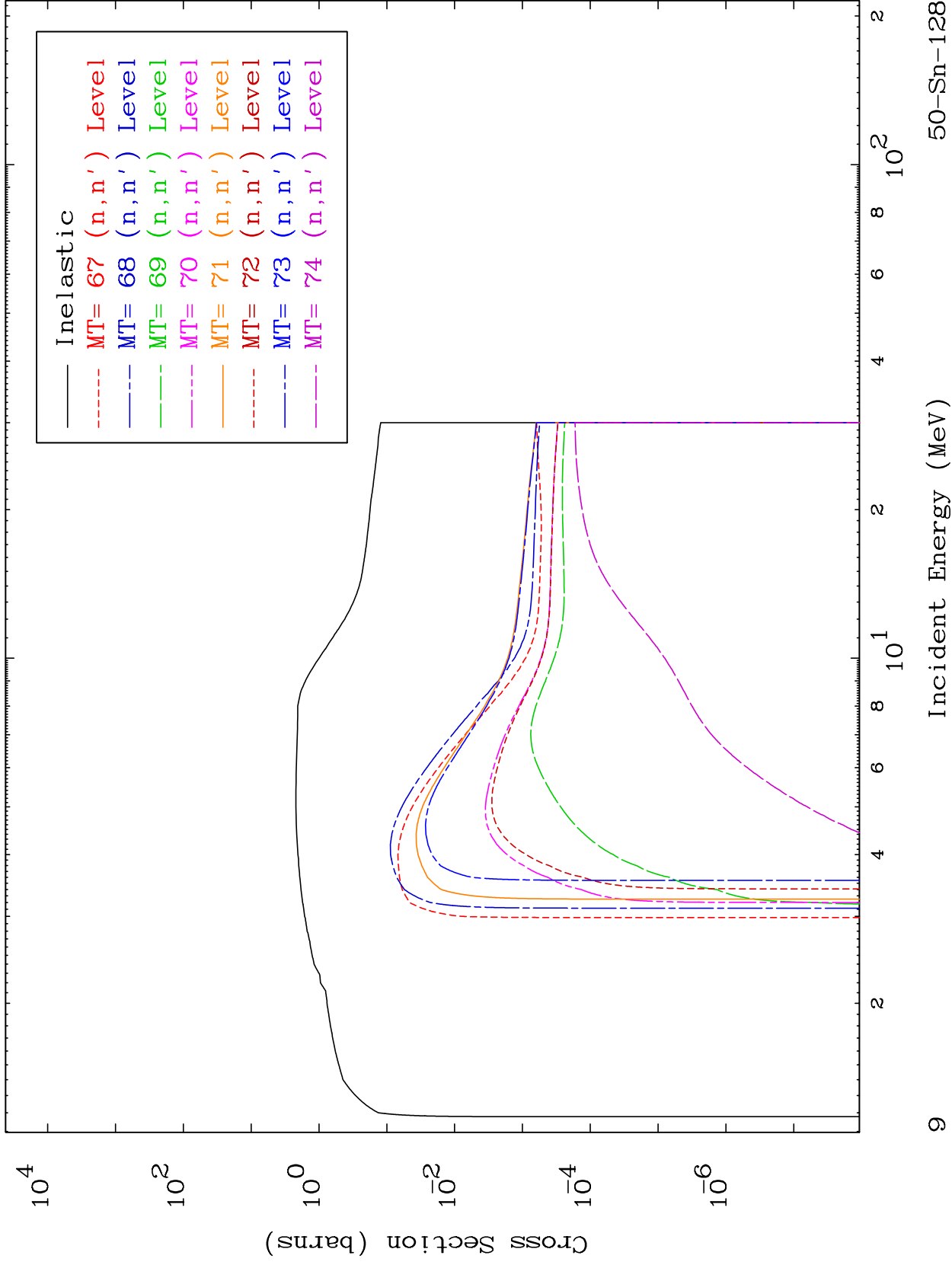
50-Sn-128

MAT 5073

(n,n') Levels

50-Sn-128

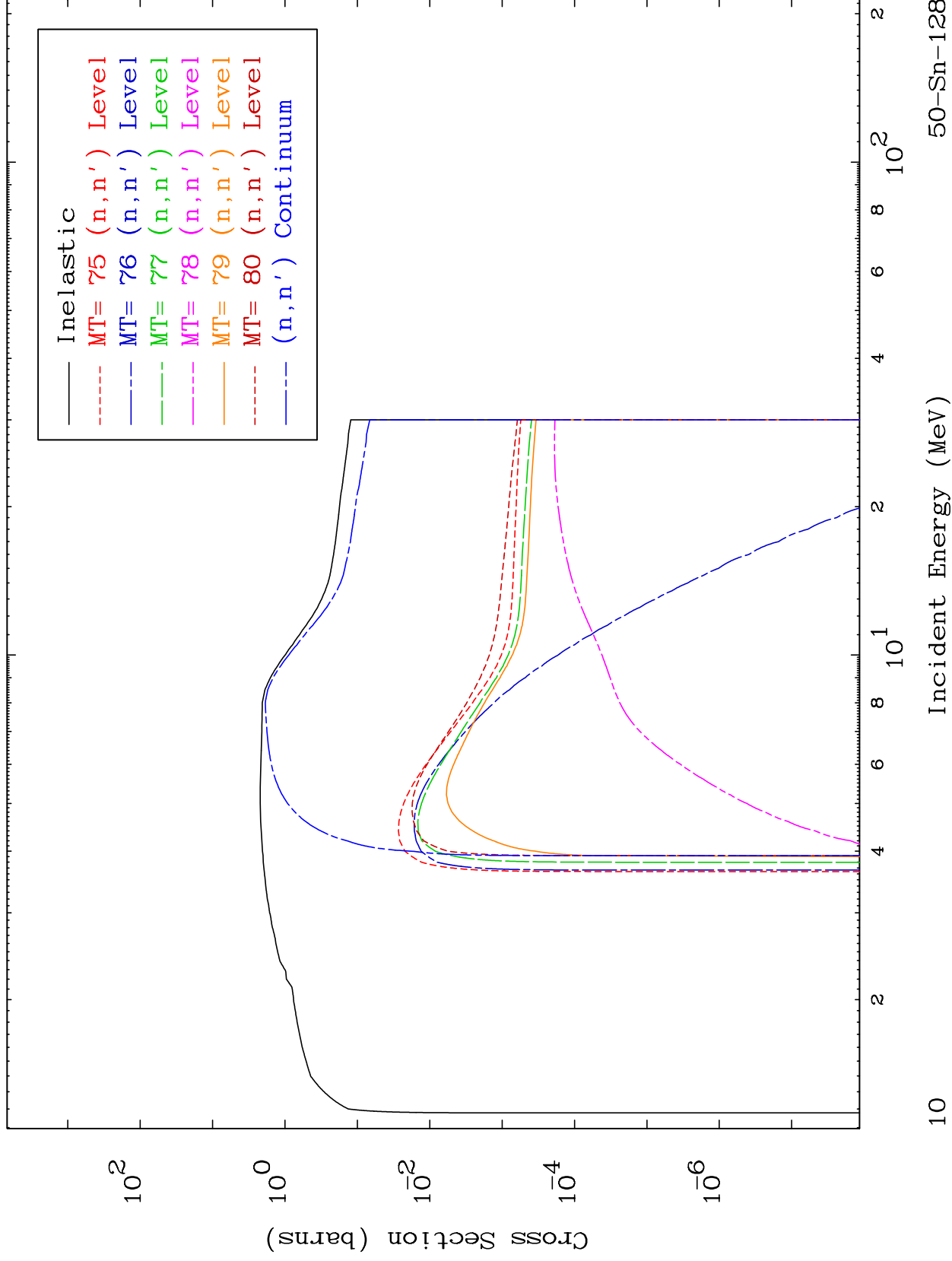
293 Kelvin Cross Sections



MAT 5073

(n,n') Levels  
293 Kelvin Cross Sections

50-Sn-128

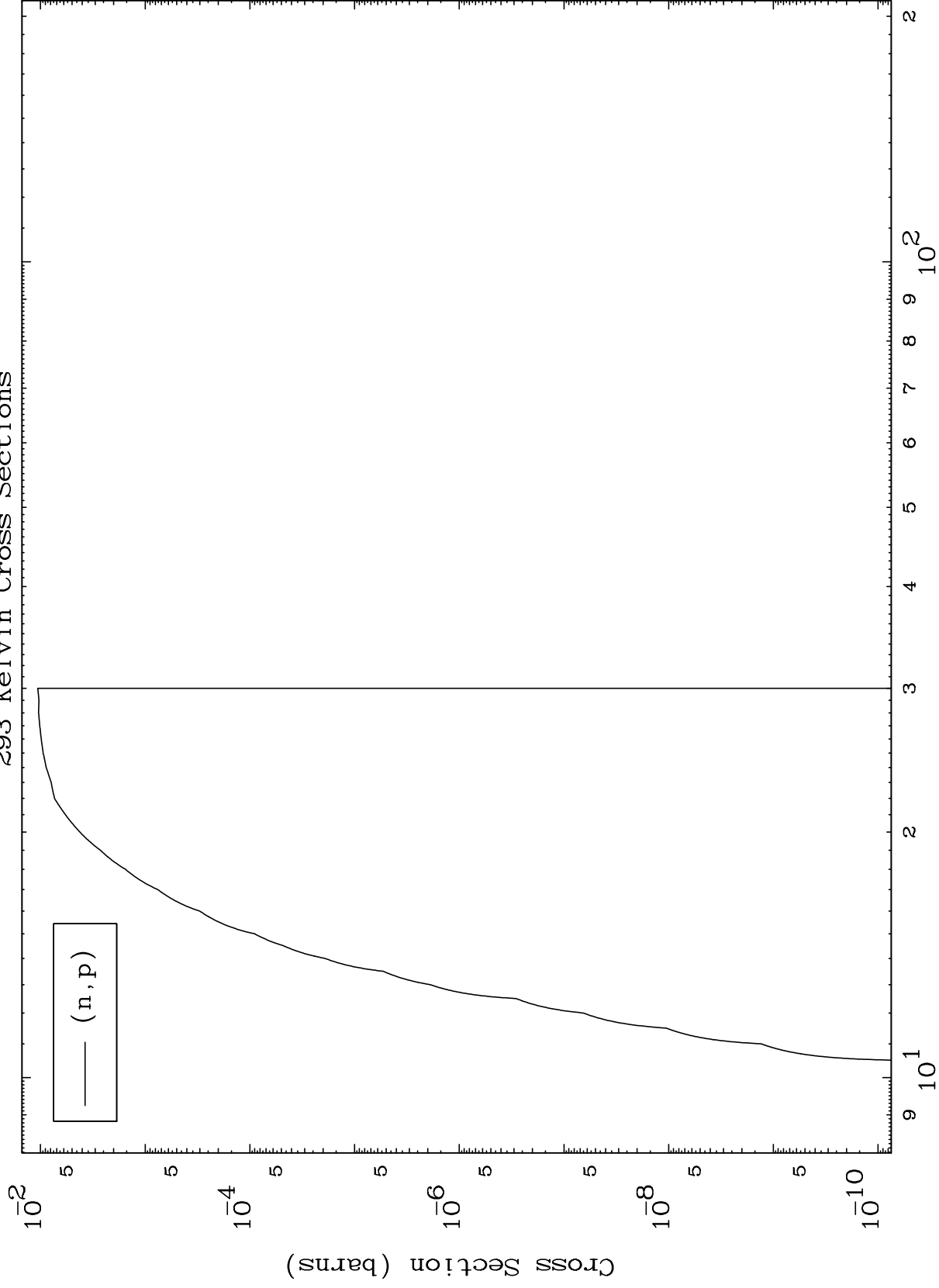


10

MAT 5073

(n,p) Levels  
293 Kelvin Cross Sections

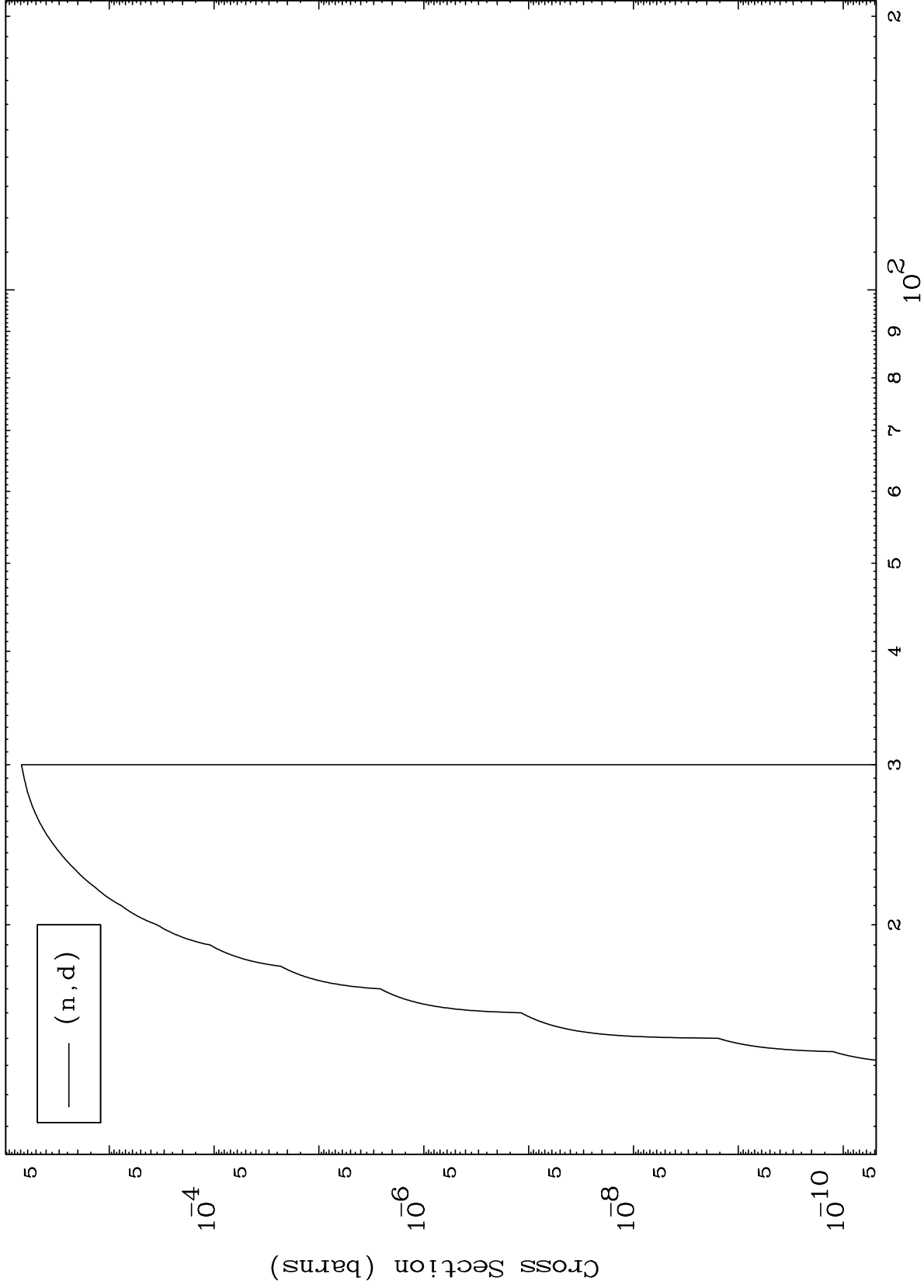
50-Sn-128



MAT 5073

(n,d) Levels  
293 Kelvin Cross Sections

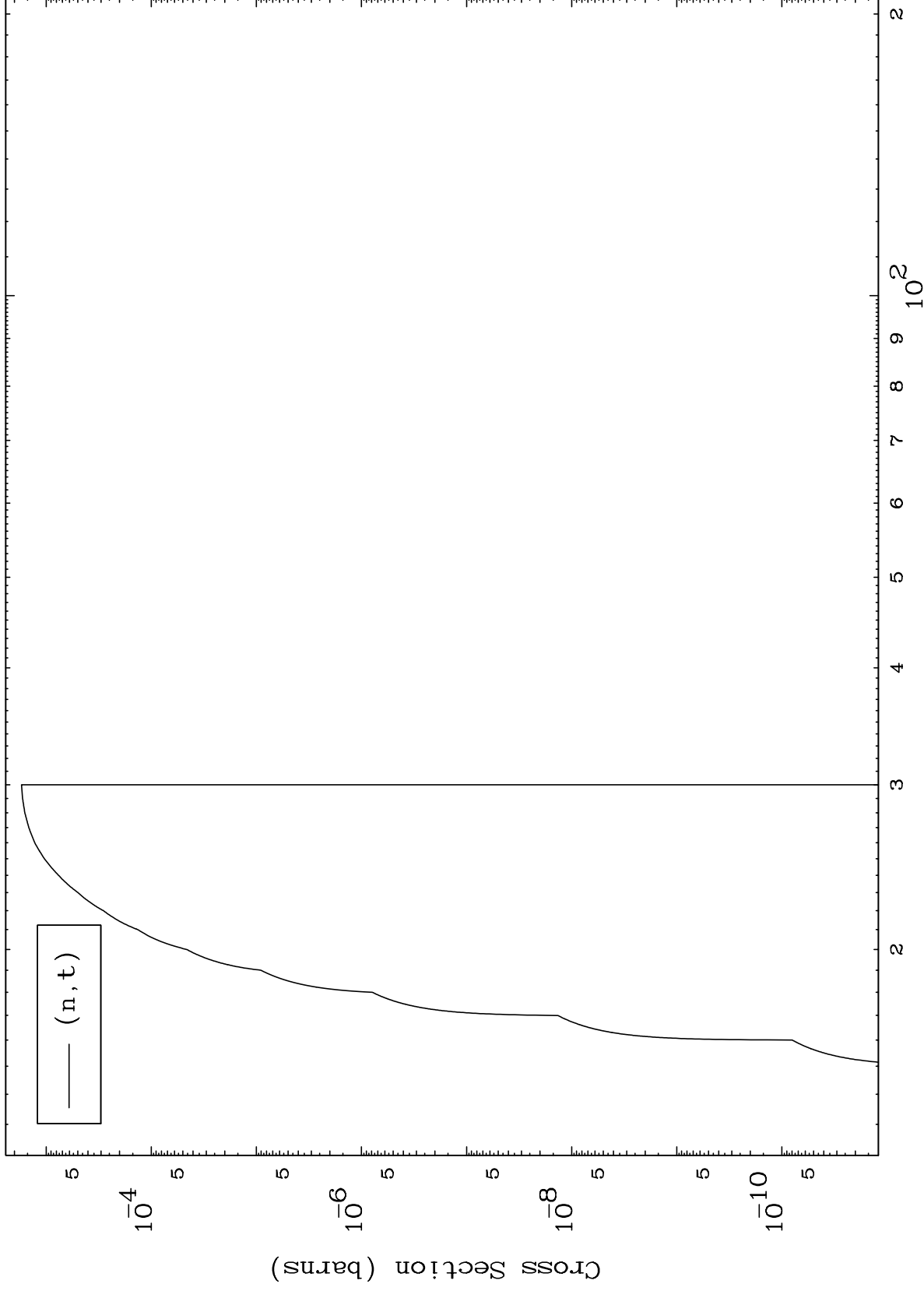
50-Sn-128



12

Incident Energy (MeV)

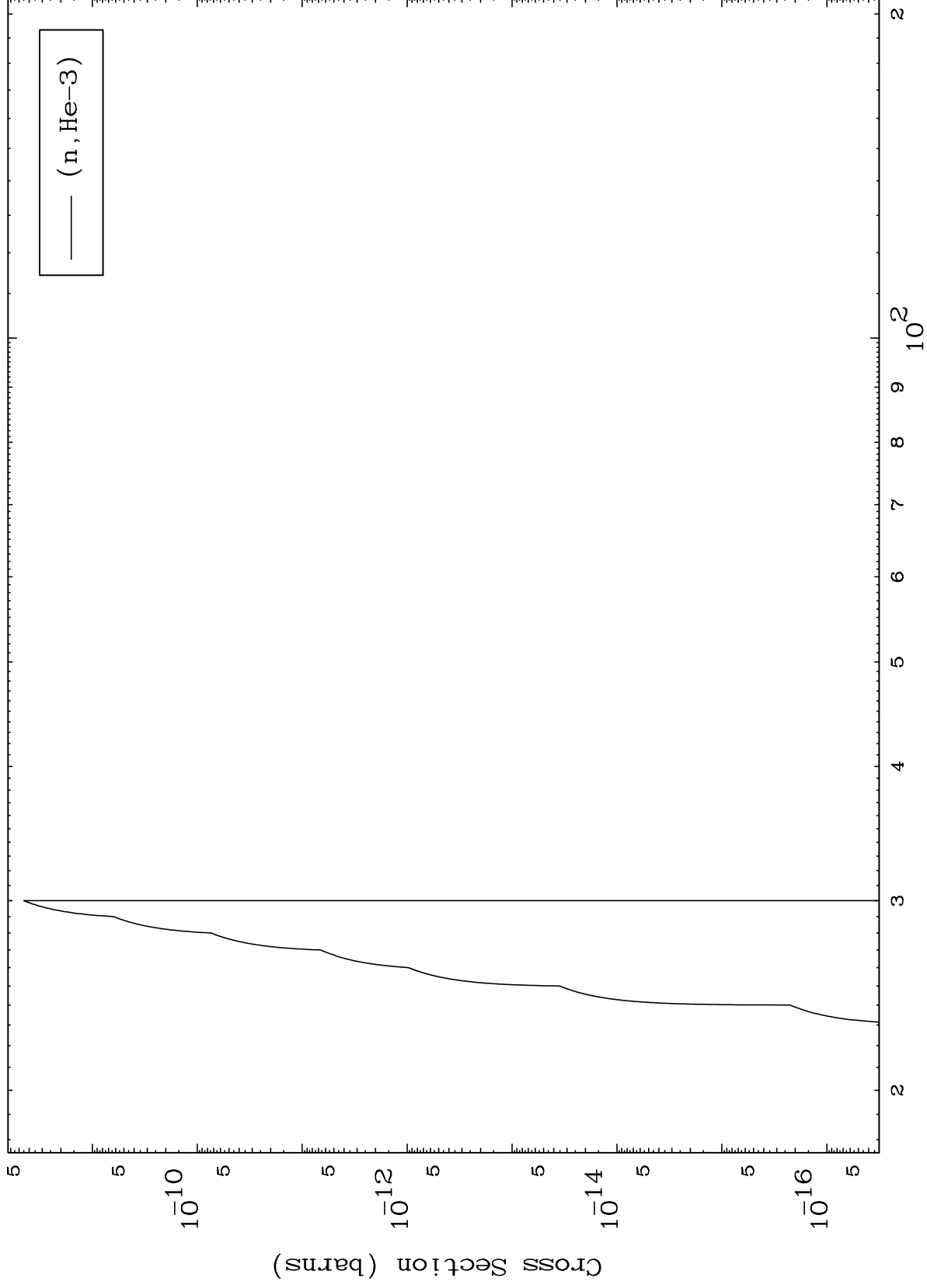
50-Sn-128



MAT 5073

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-128



14

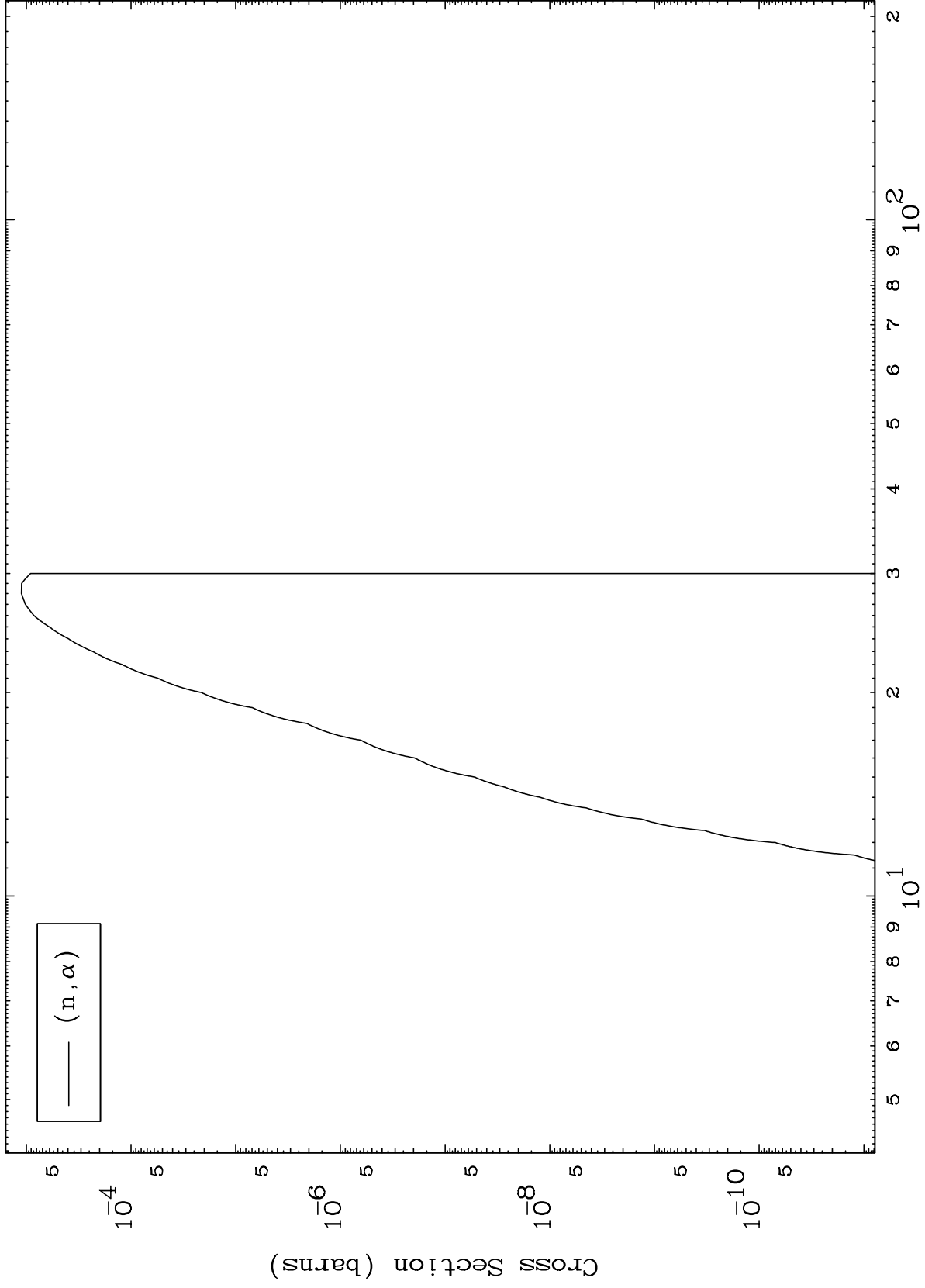
Incident Energy (MeV)

50-Sn-128

MAT 5073

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-128

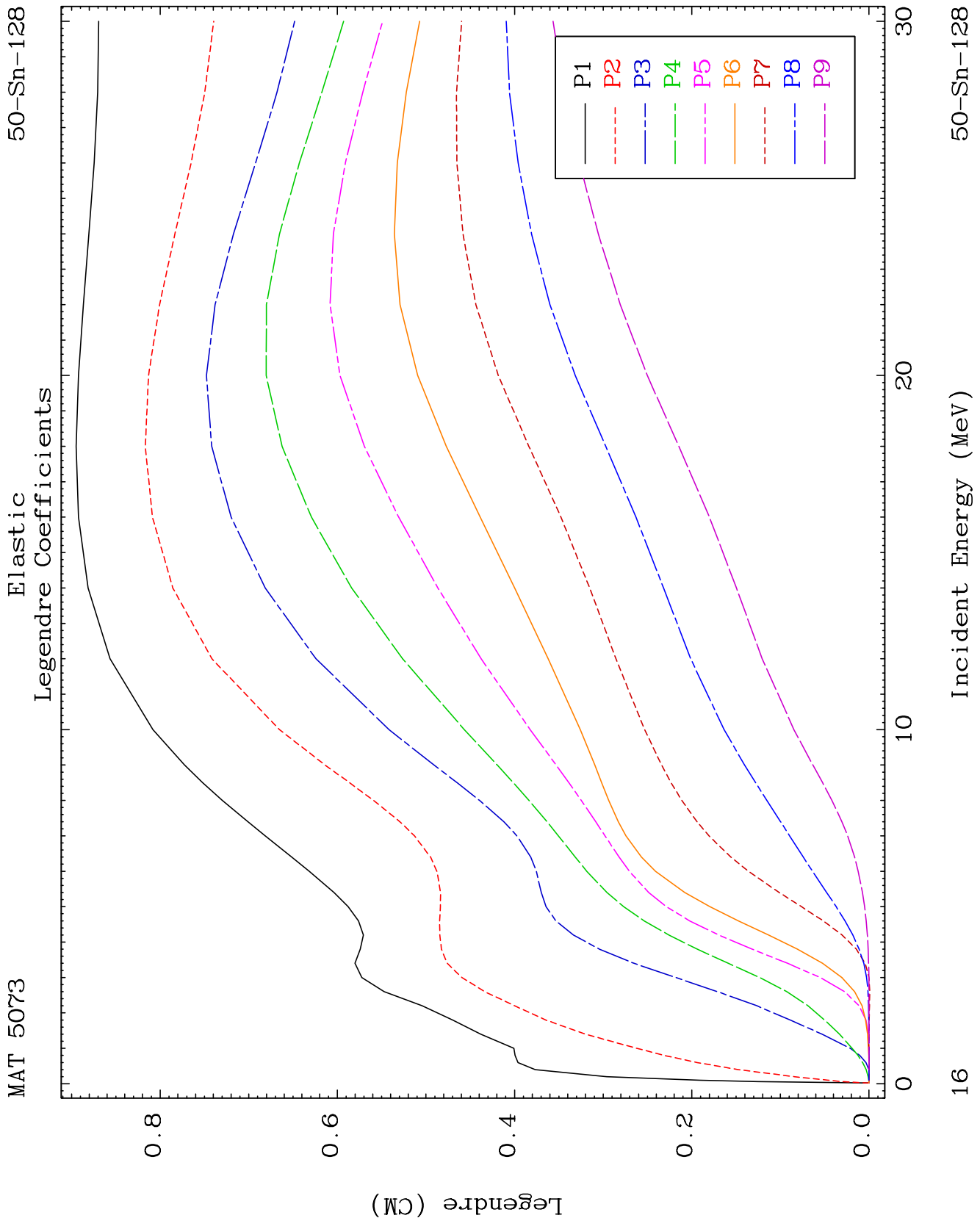


15

Incident Energy (MeV)

50-Sn-128

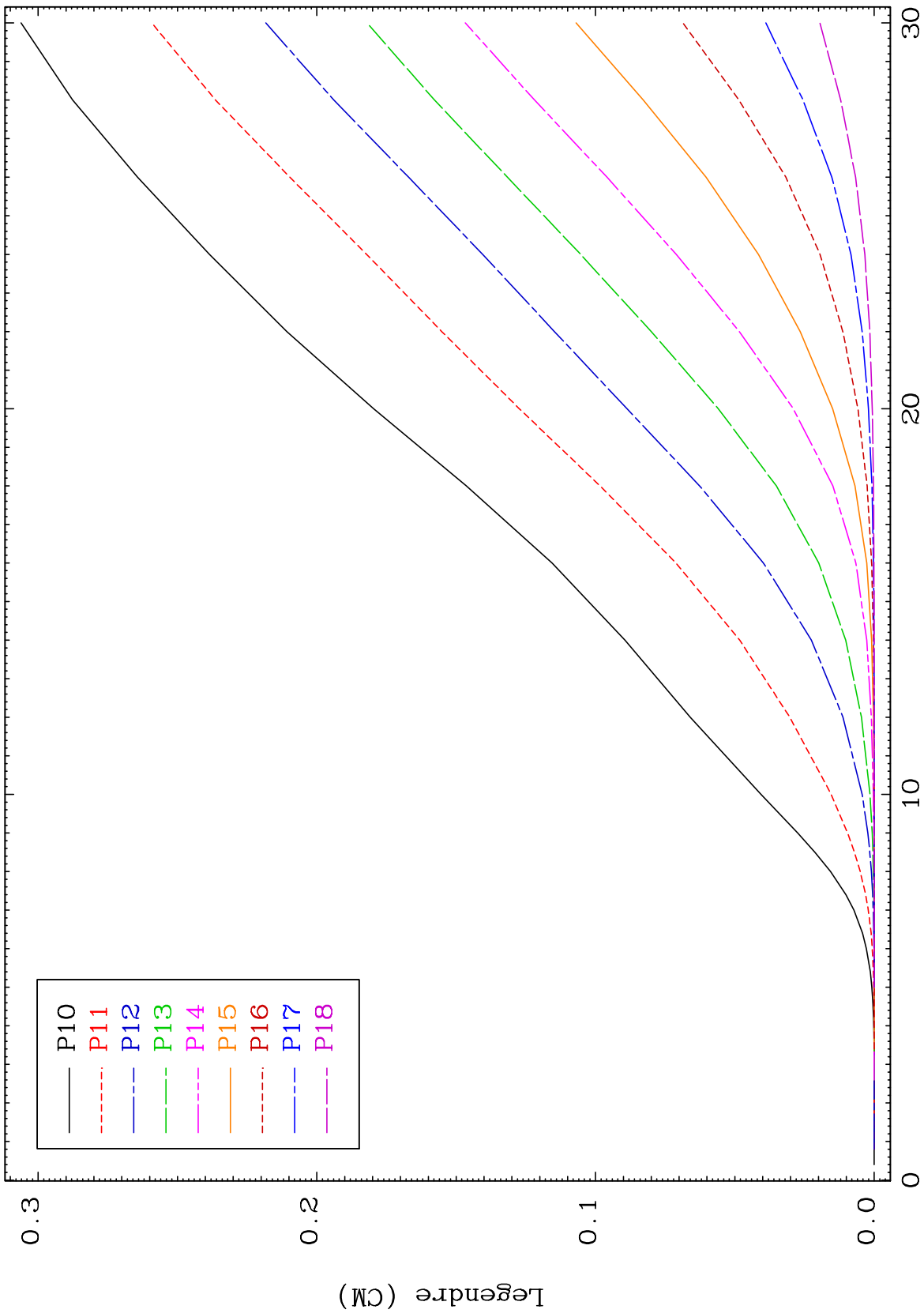




MAT 5073

Elastic Legendre Coefficients

50-Sn-128



17

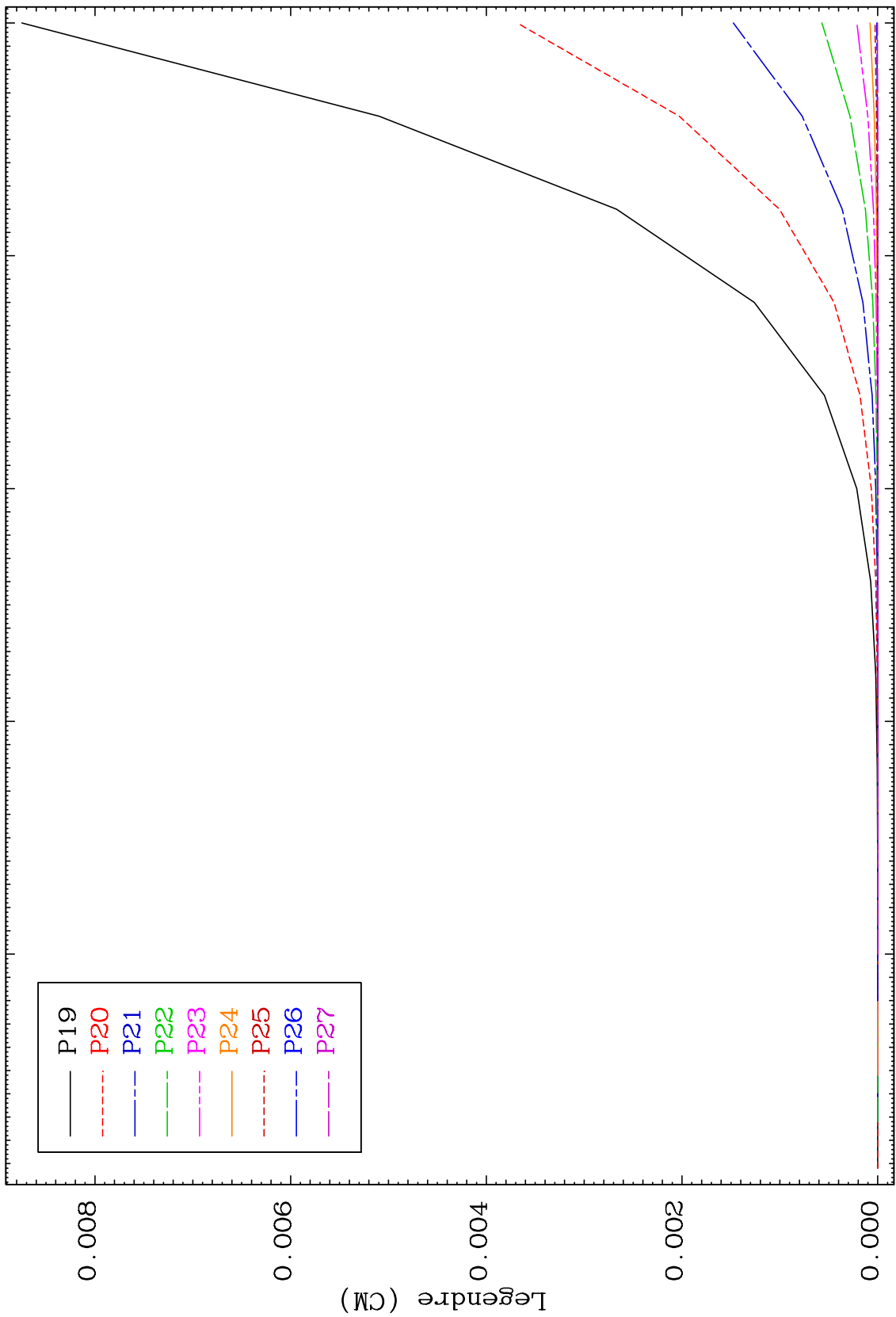
Incident Energy (MeV)

50-Sn-128

MAT 5073

Elastic Legendre Coefficients

50-Sn-128



18

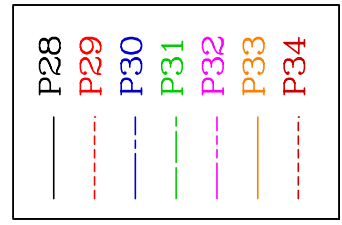
Incident Energy (MeV)

50-Sn-128

MAT 5073

Elastic Legendre Coefficients

50-Sn-128

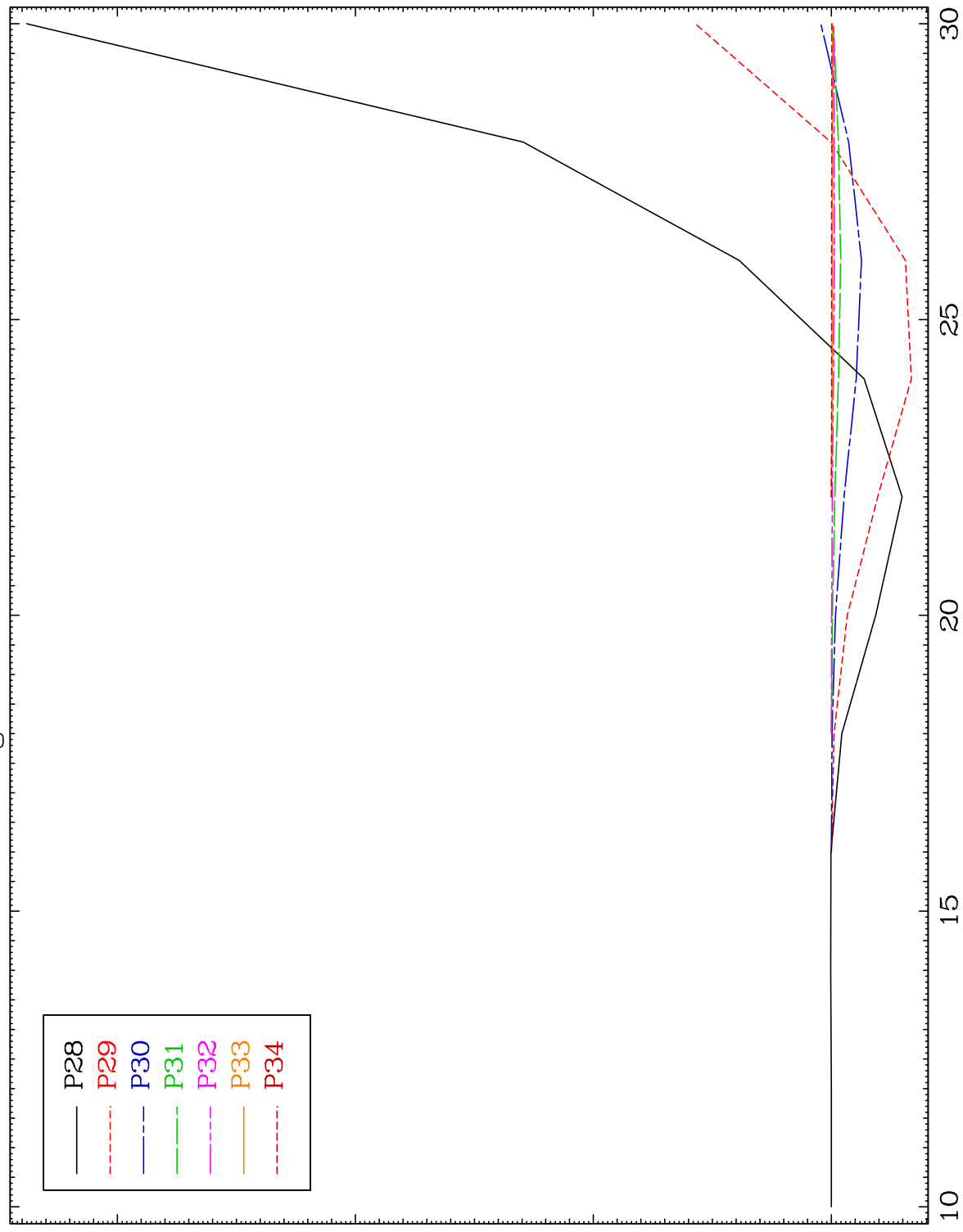


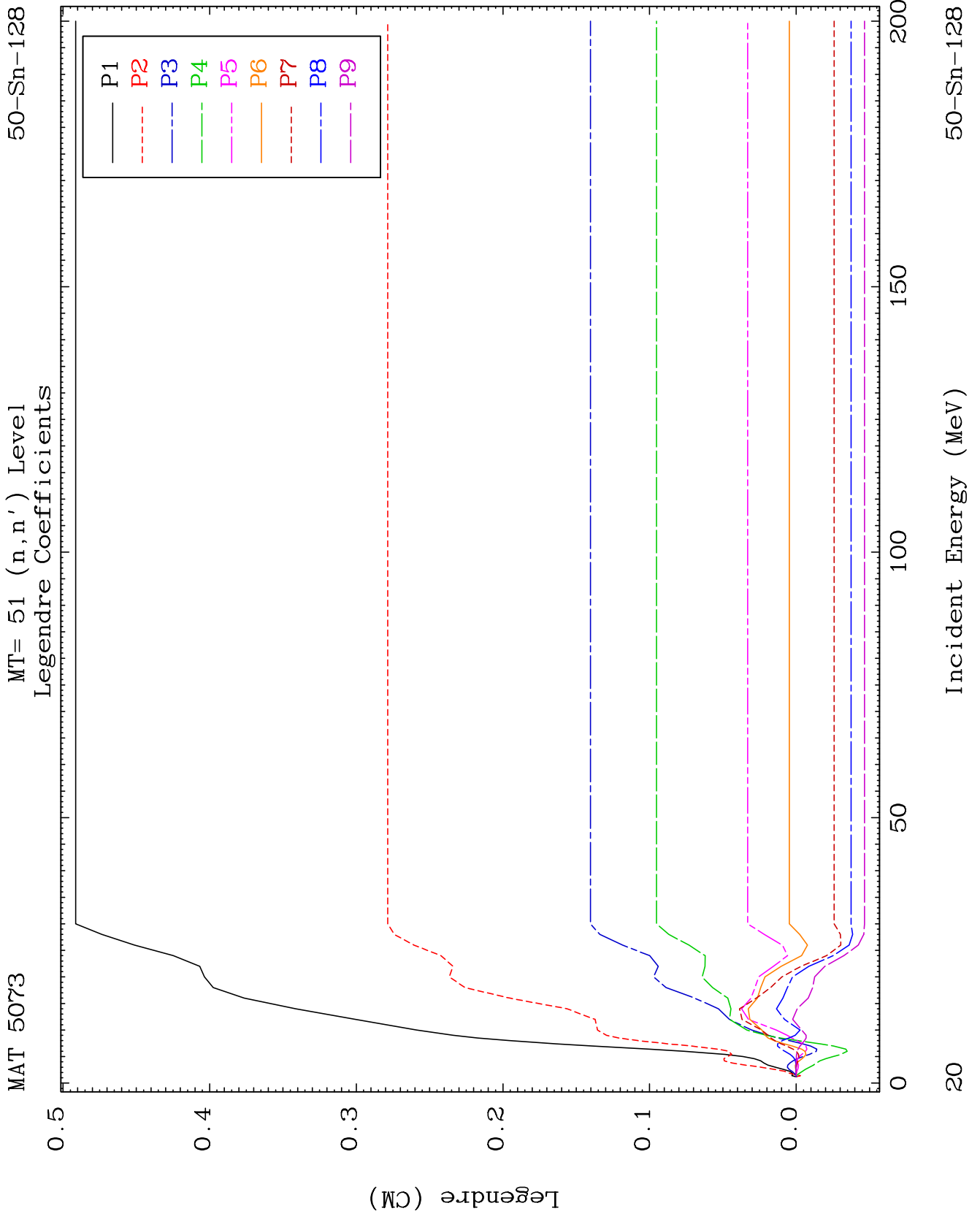
$\times 10^{-7}$

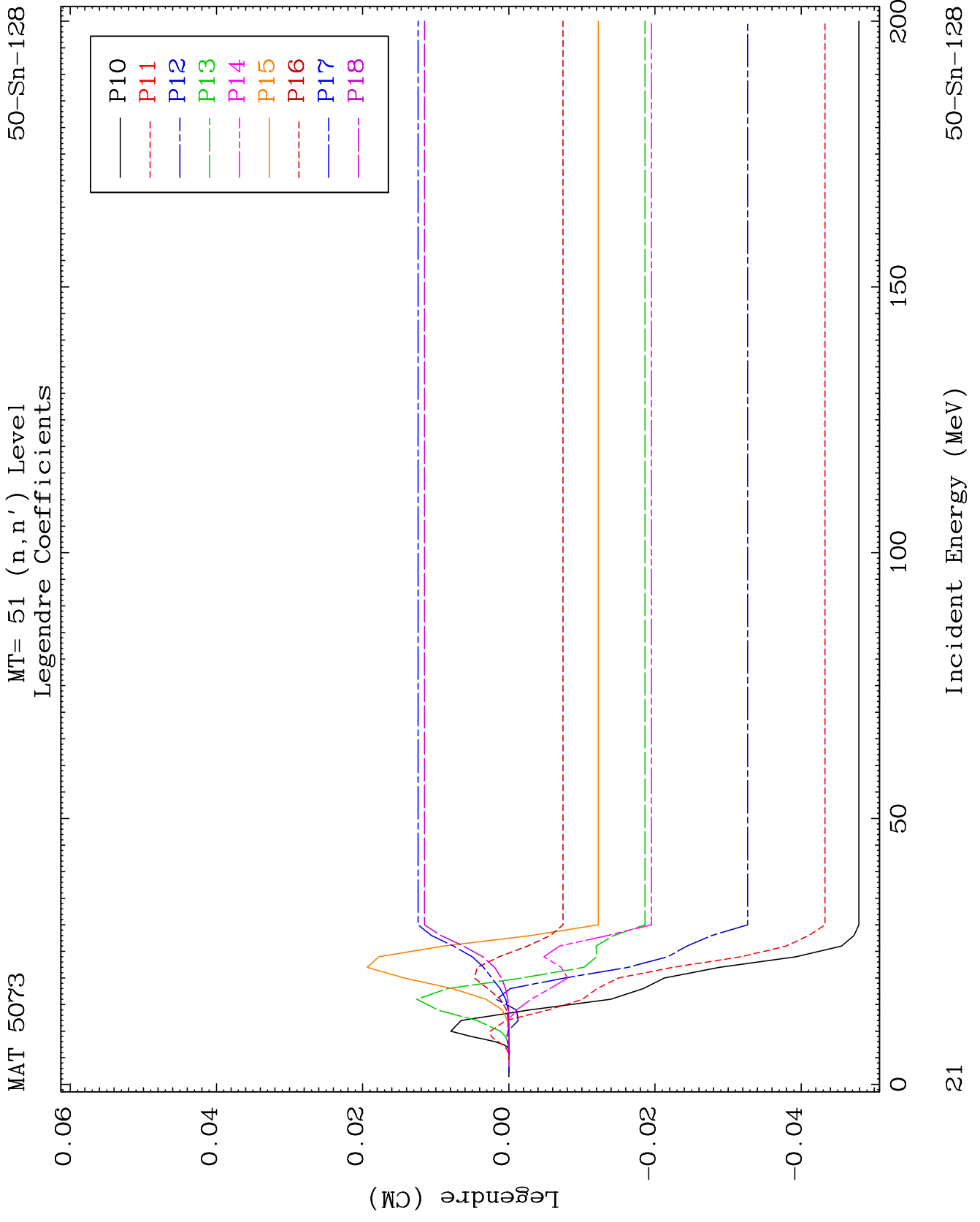
Legendre (CM)

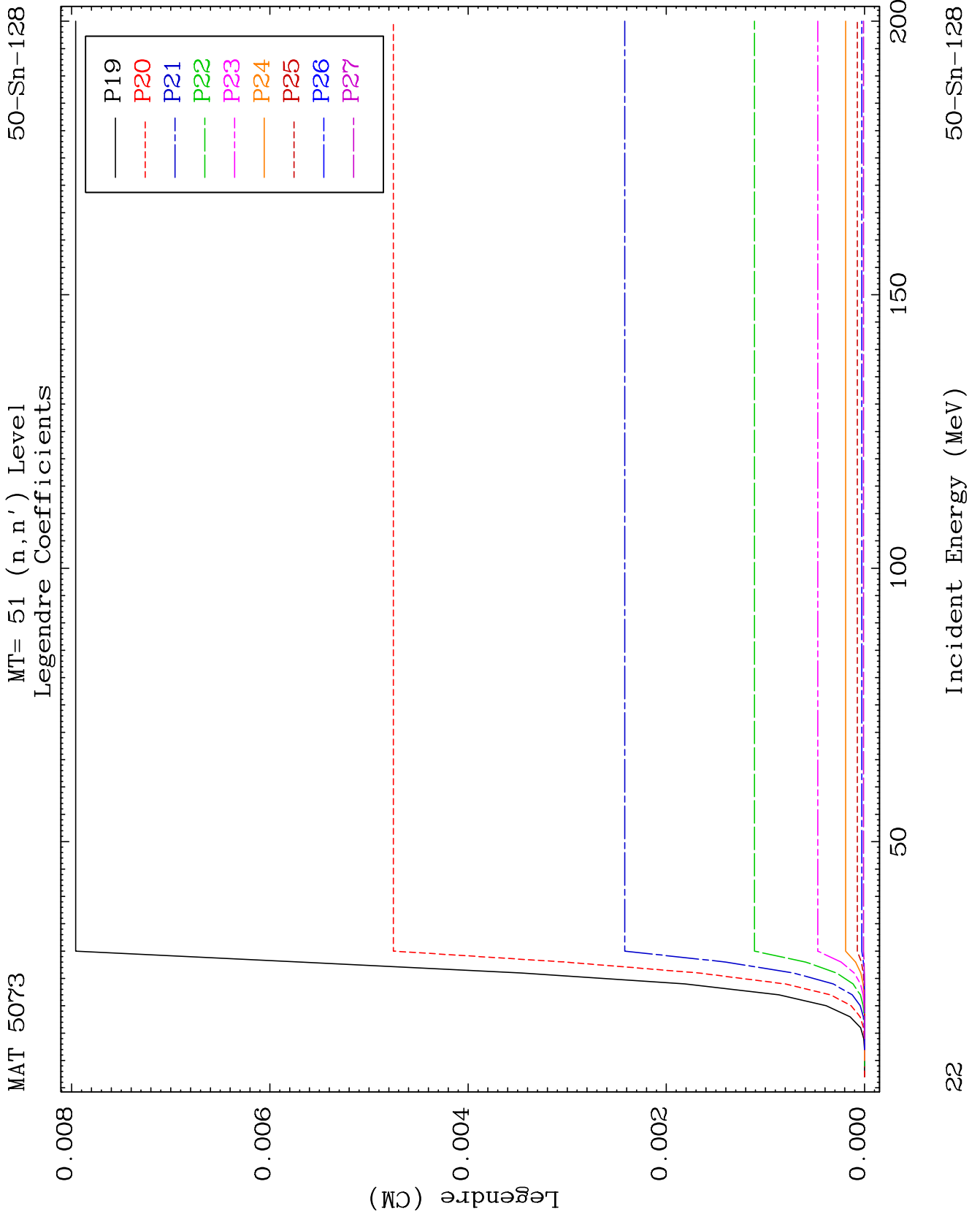
Incident Energy (MeV)

50-Sn-128





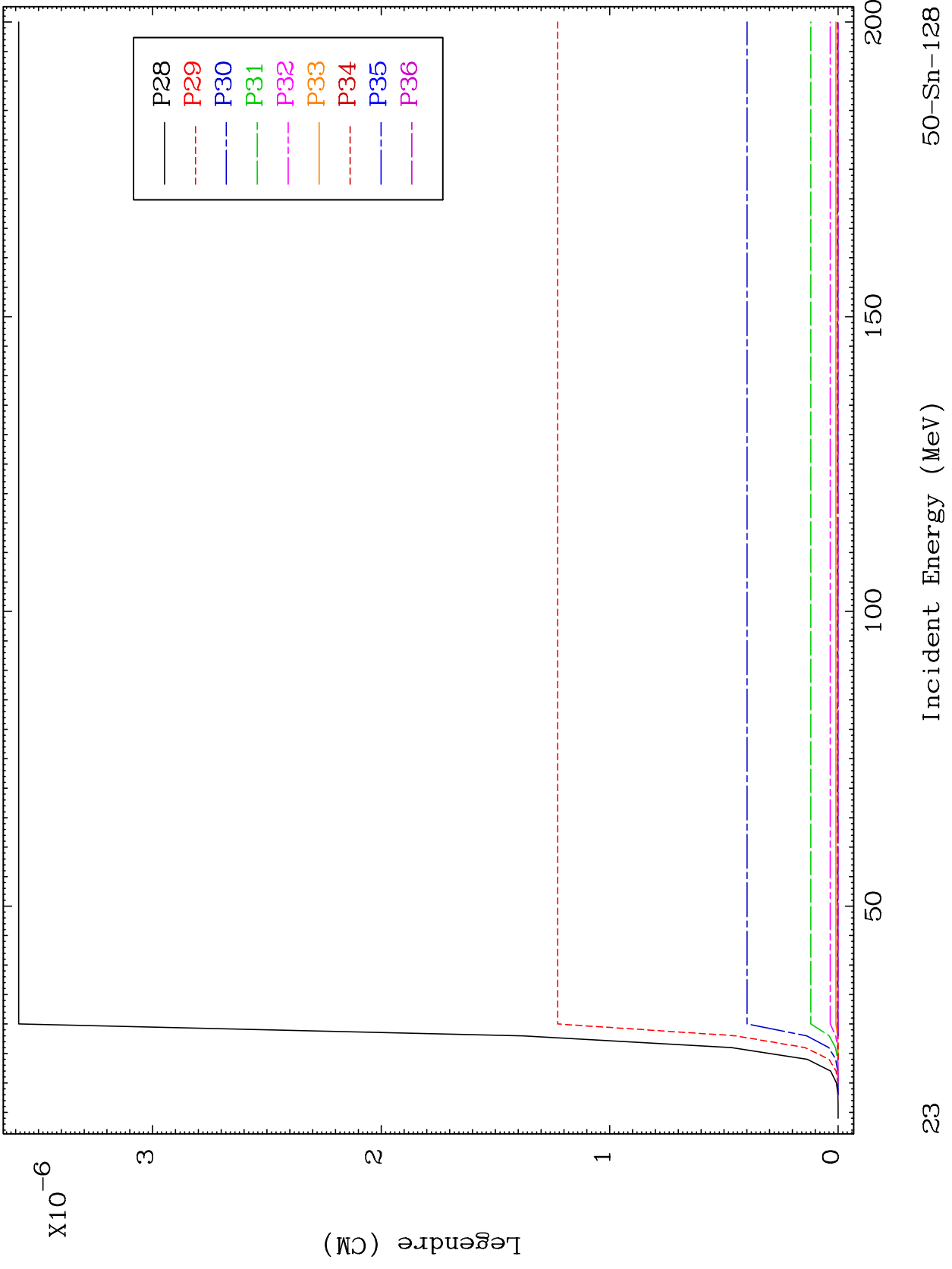




MAT 5073

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

50-Sn-128



23

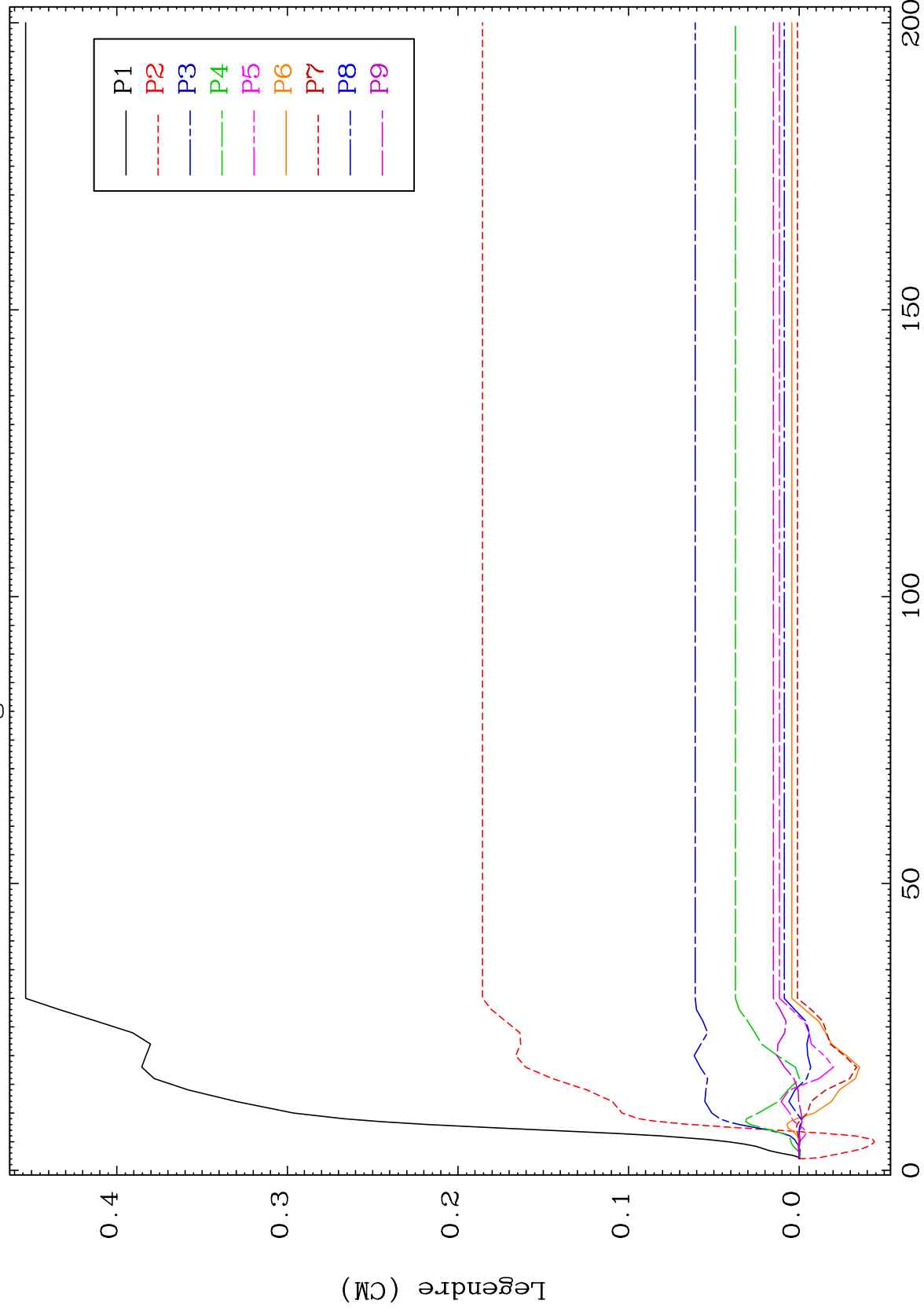
50-Sn-128



MAT 5073

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

50-Sn-128



24

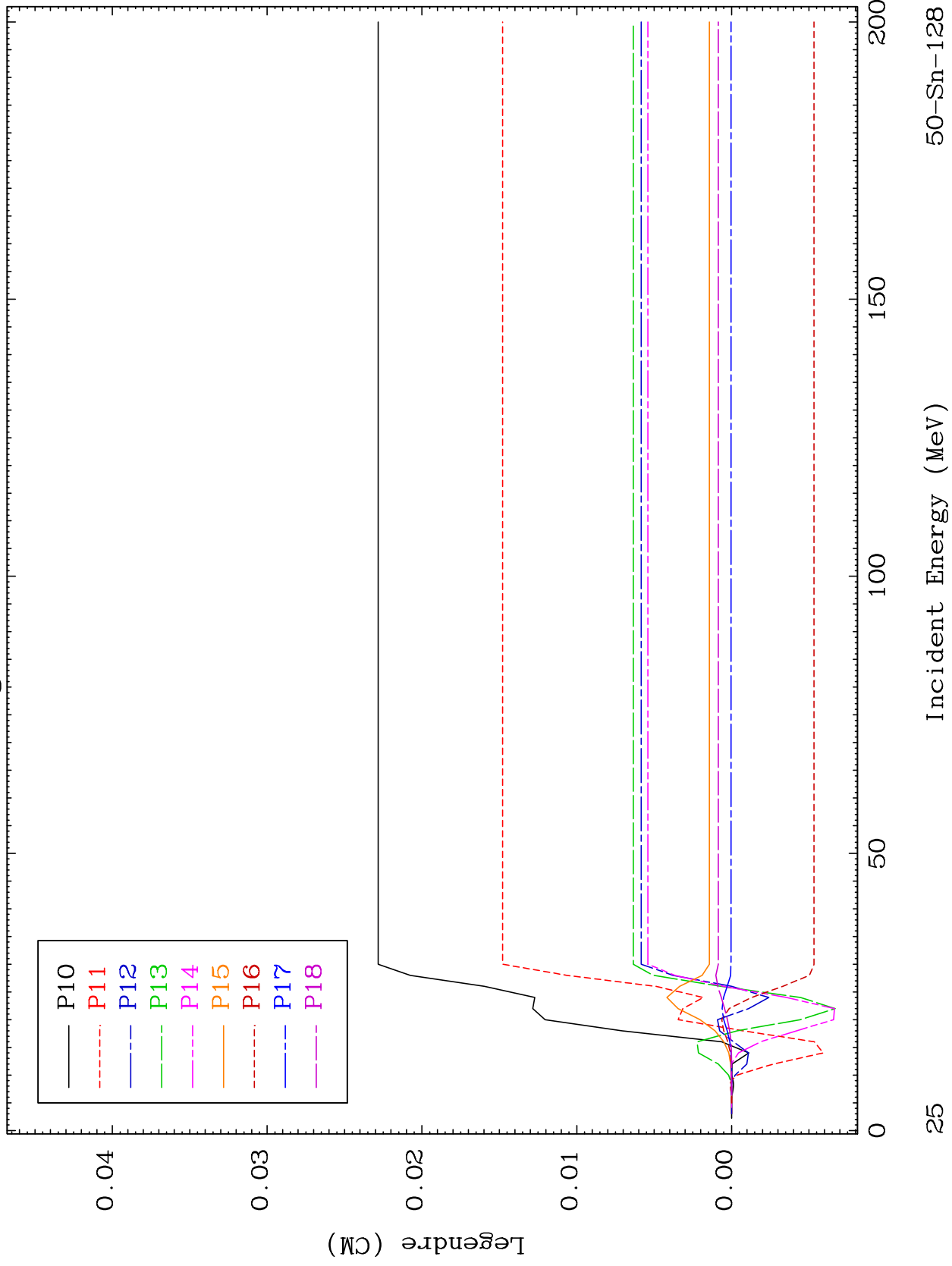
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

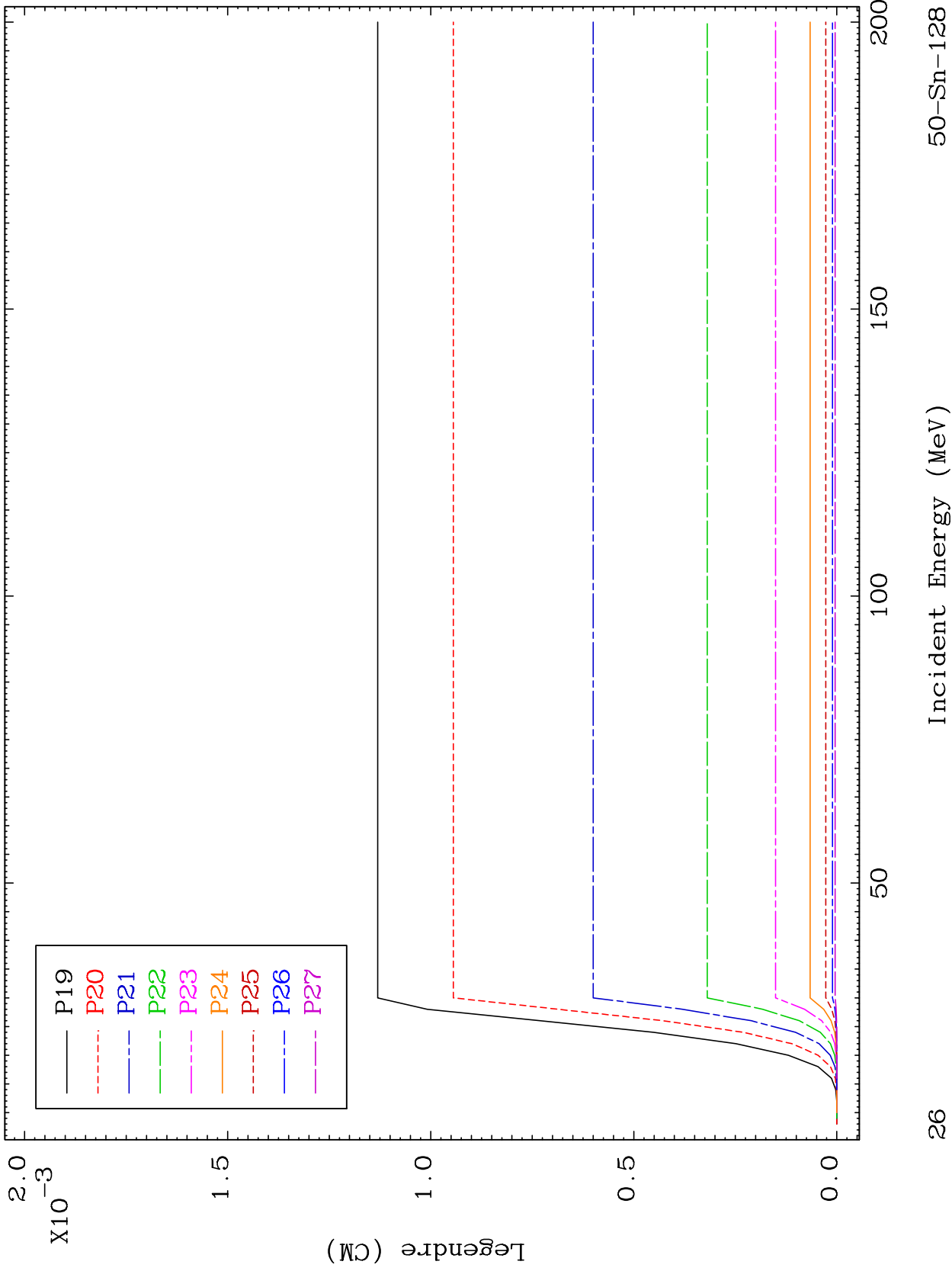
50-Sn-128



MAT 5073

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

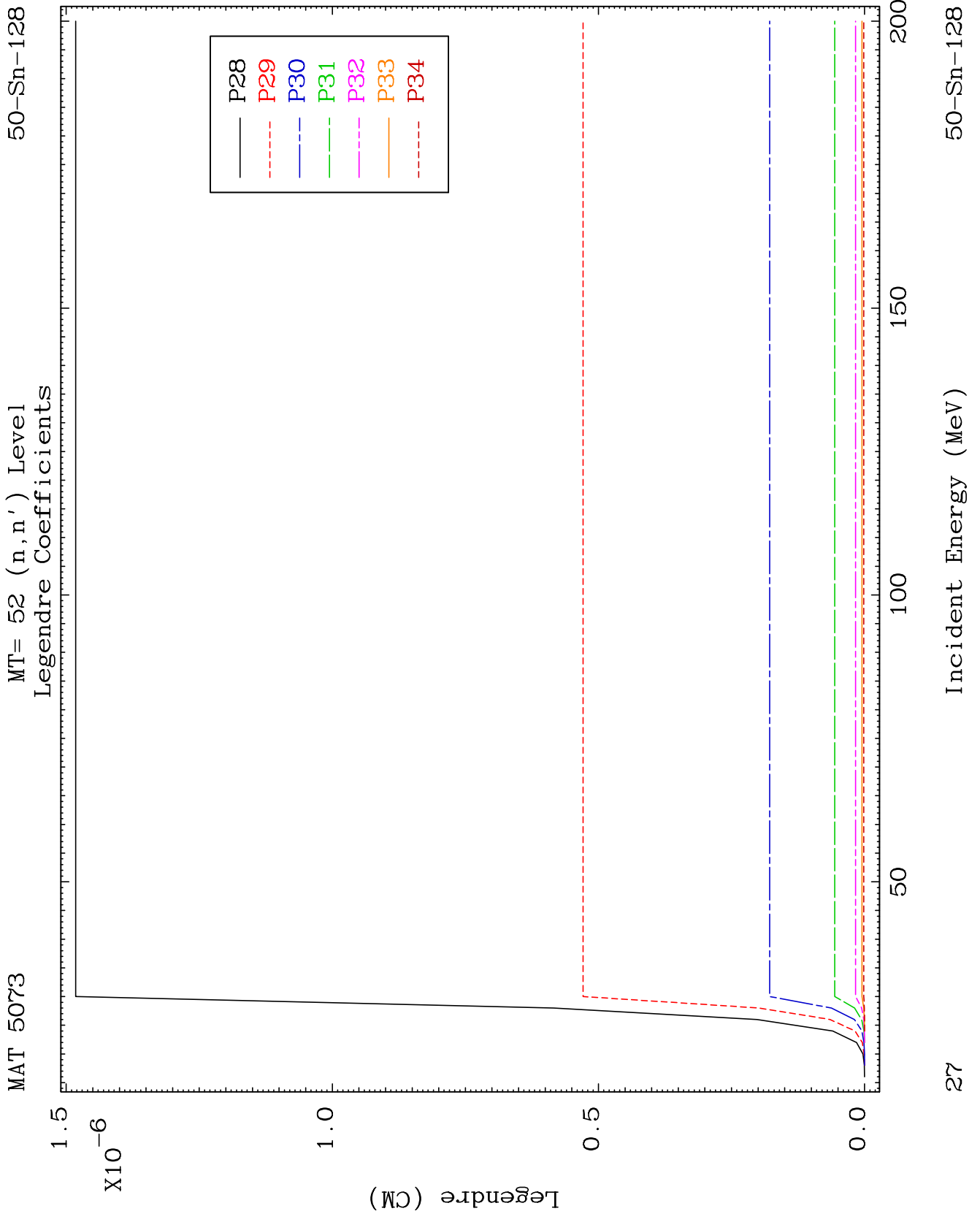
50-Sn-128

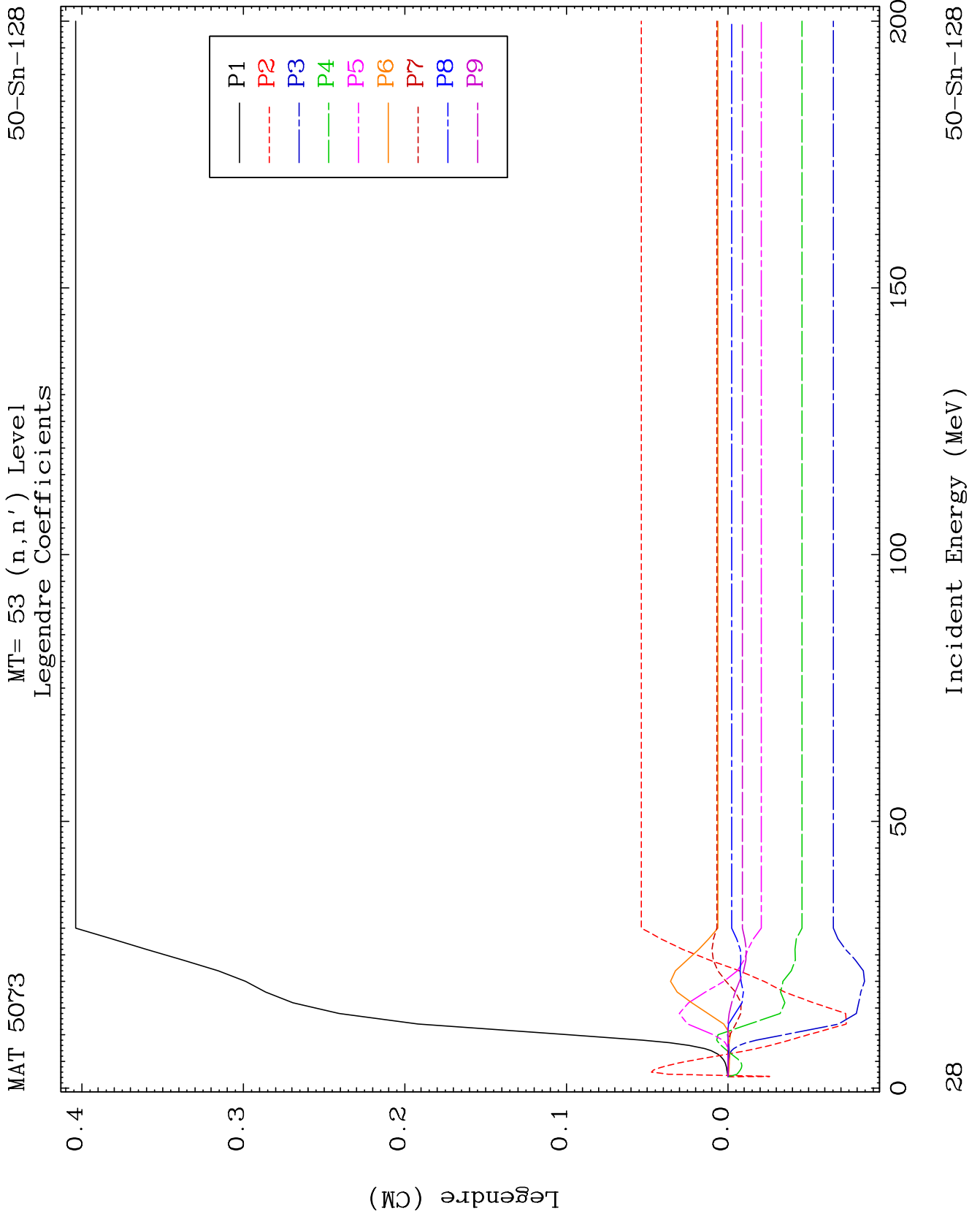


26

Incident Energy (MeV)

50-Sn-128

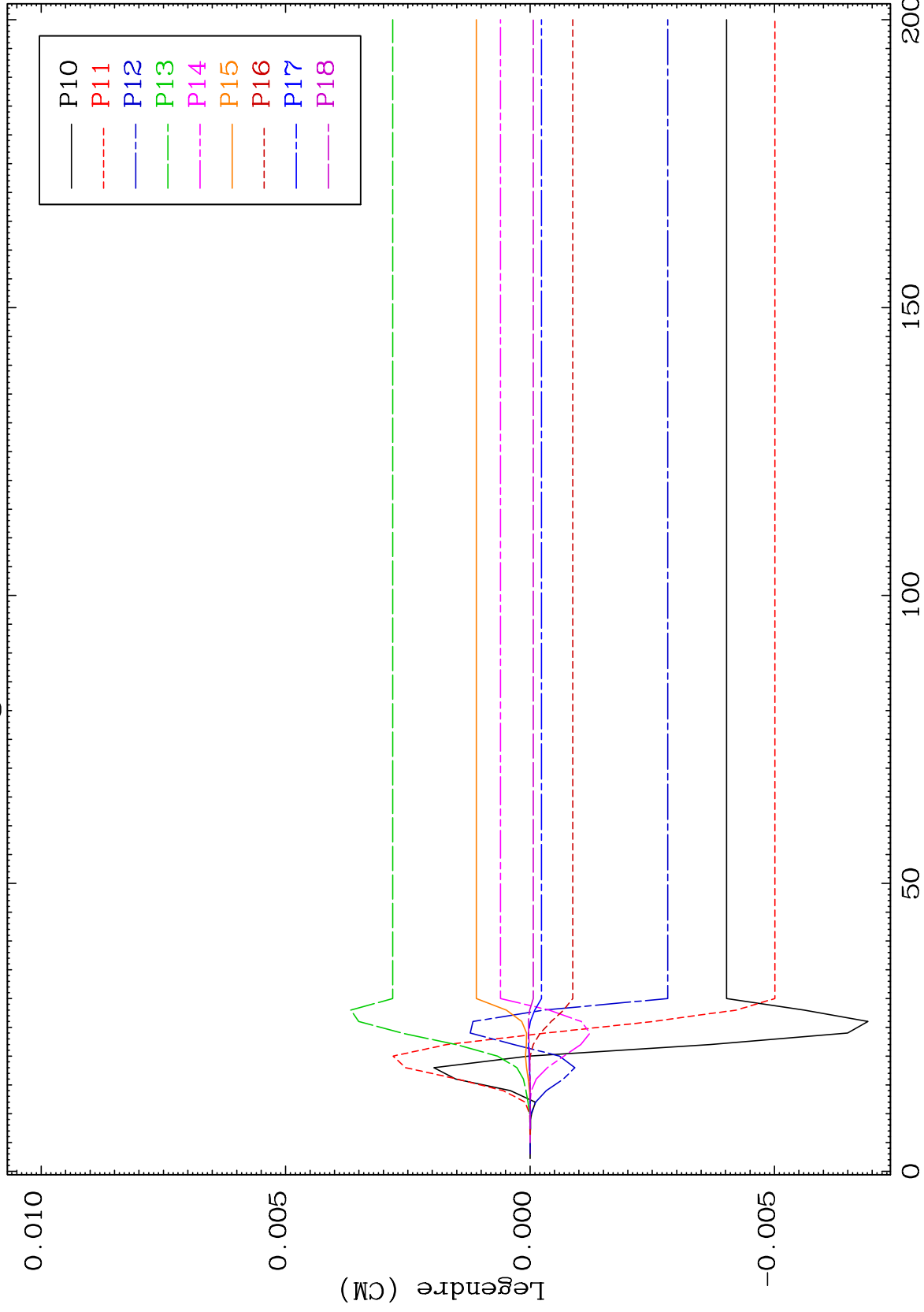




MAT 5073

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

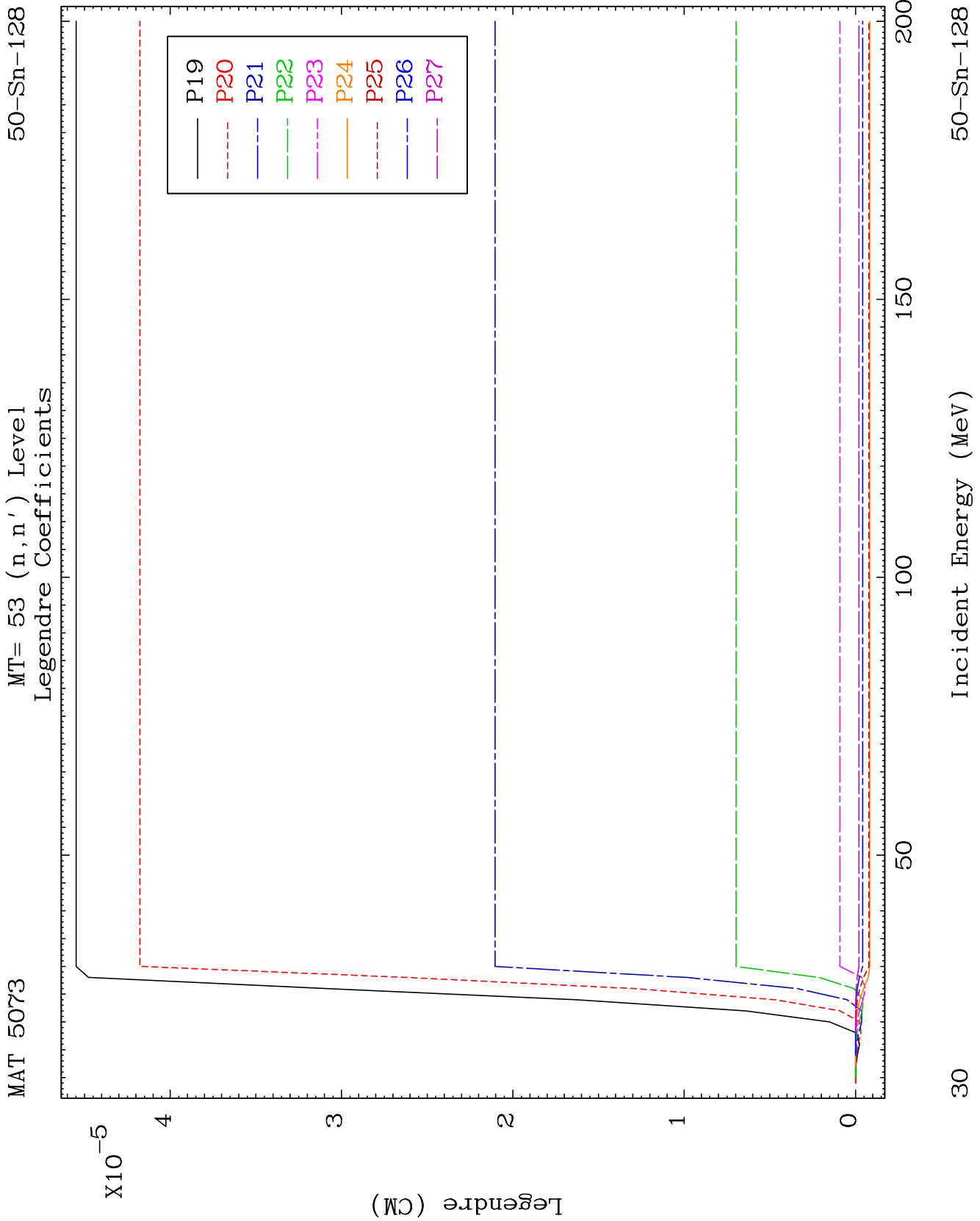
50-Sn-128

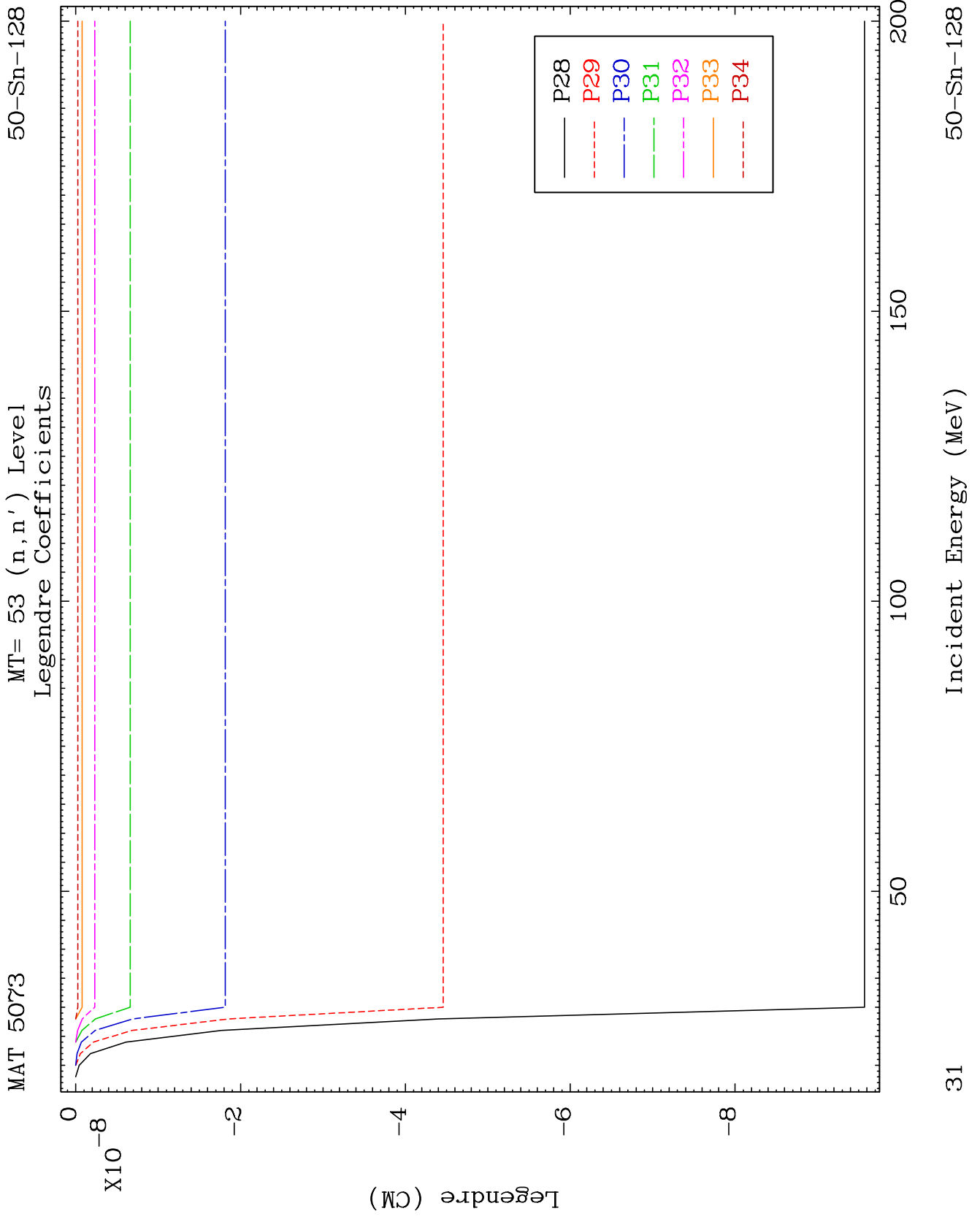


29

Incident Energy (MeV)

50-Sn-128



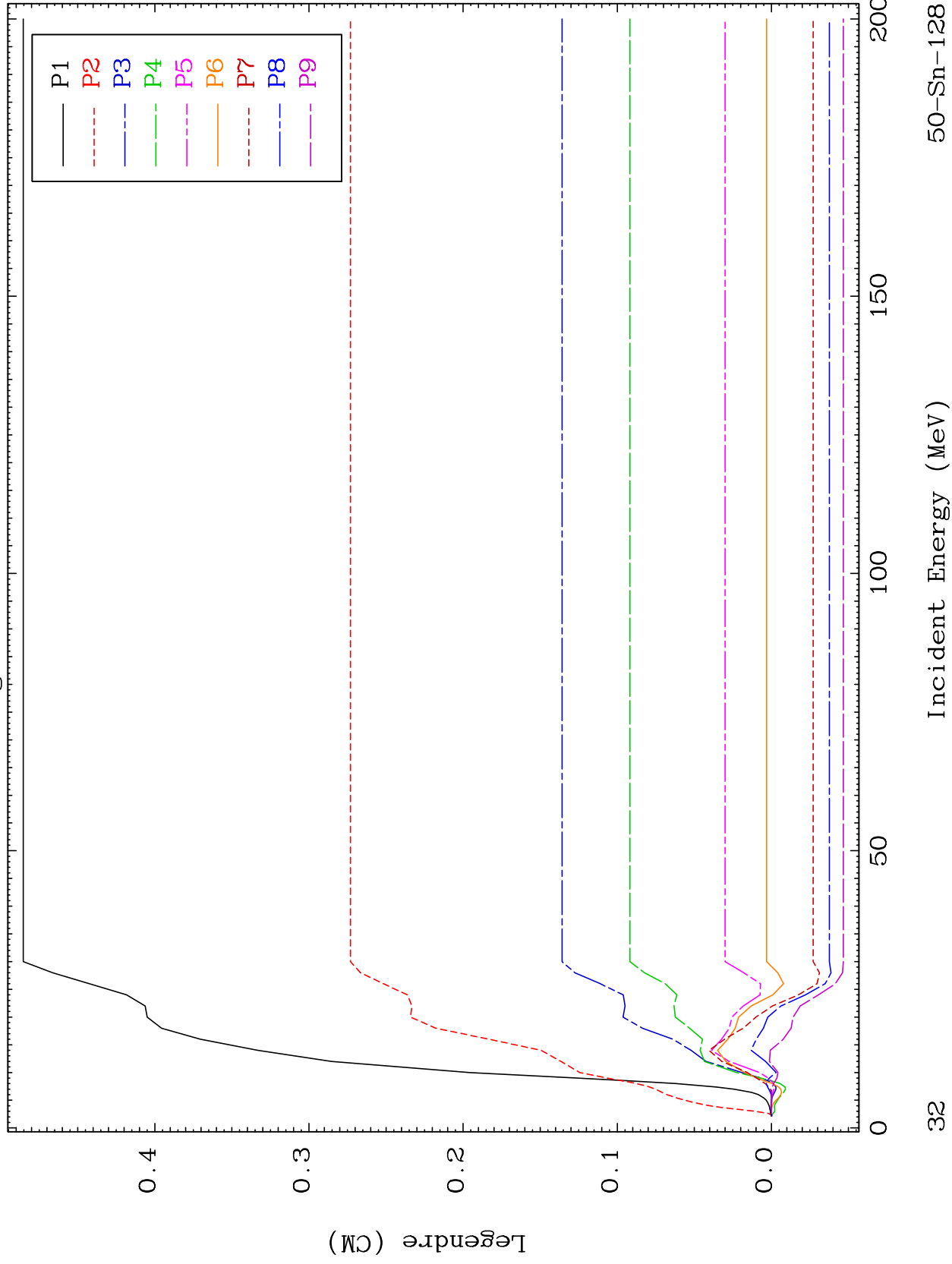




MAT 5073

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

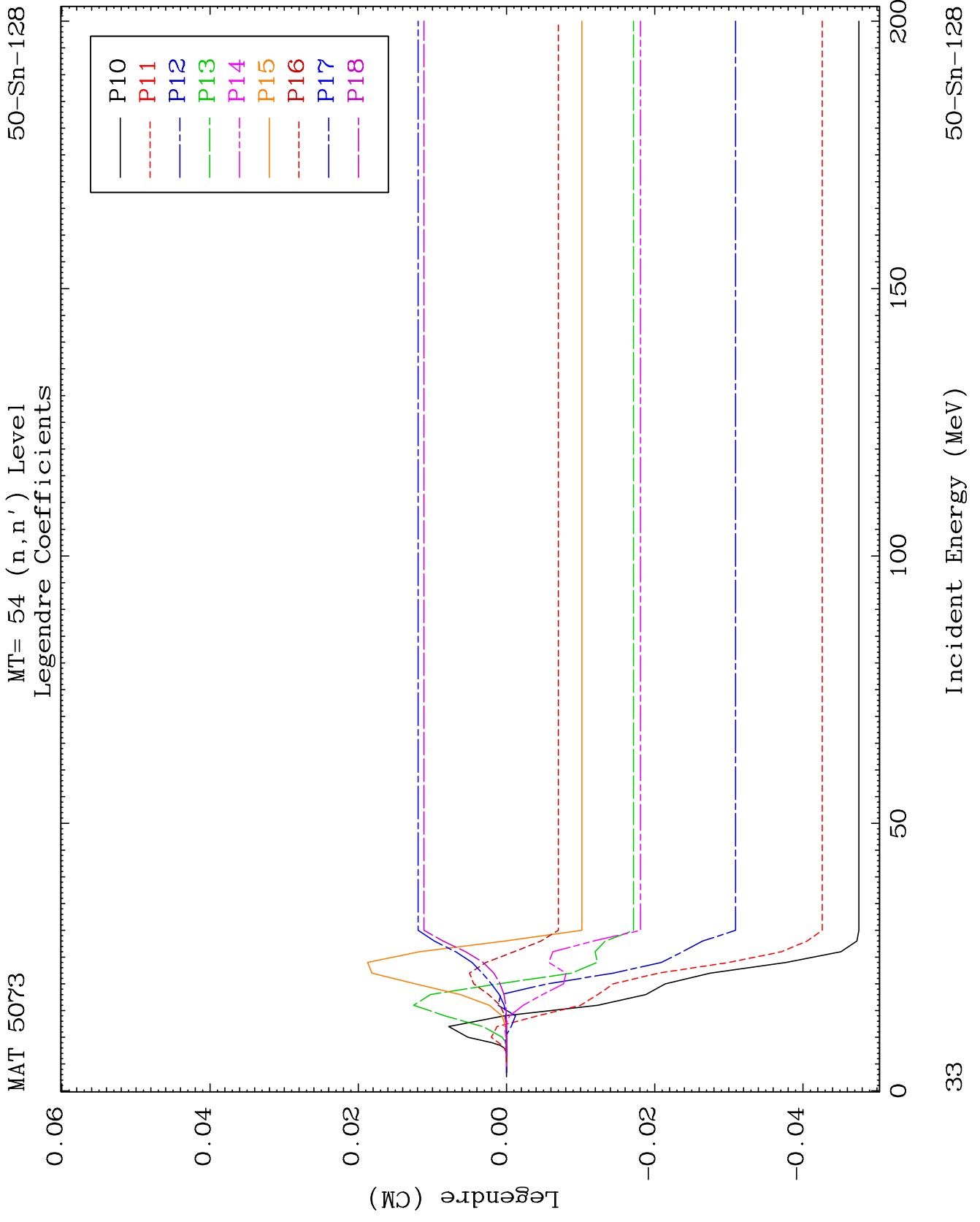
50-Sn-128



32

Incident Energy (MeV)

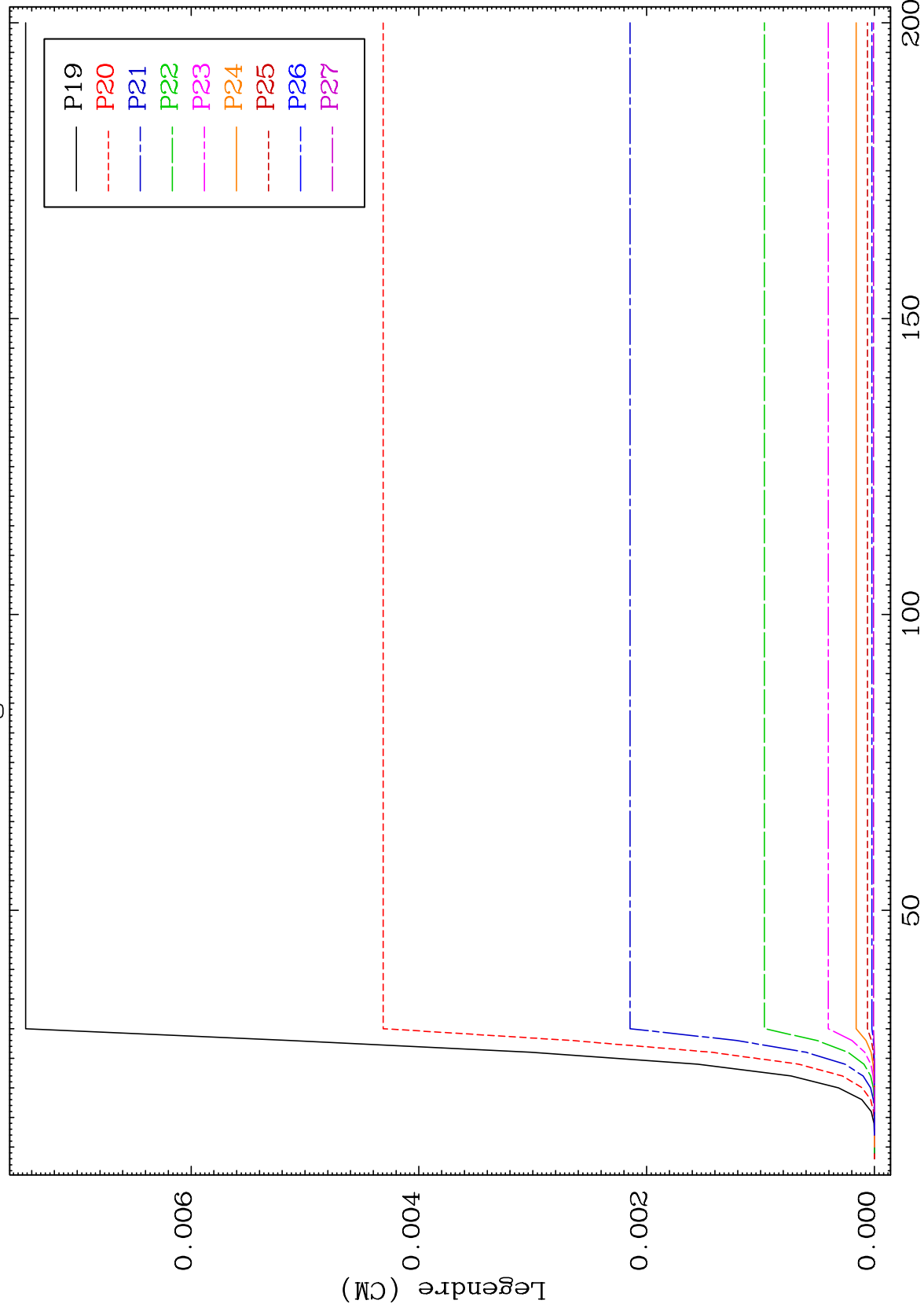
50-Sn-128



MAT 5073

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

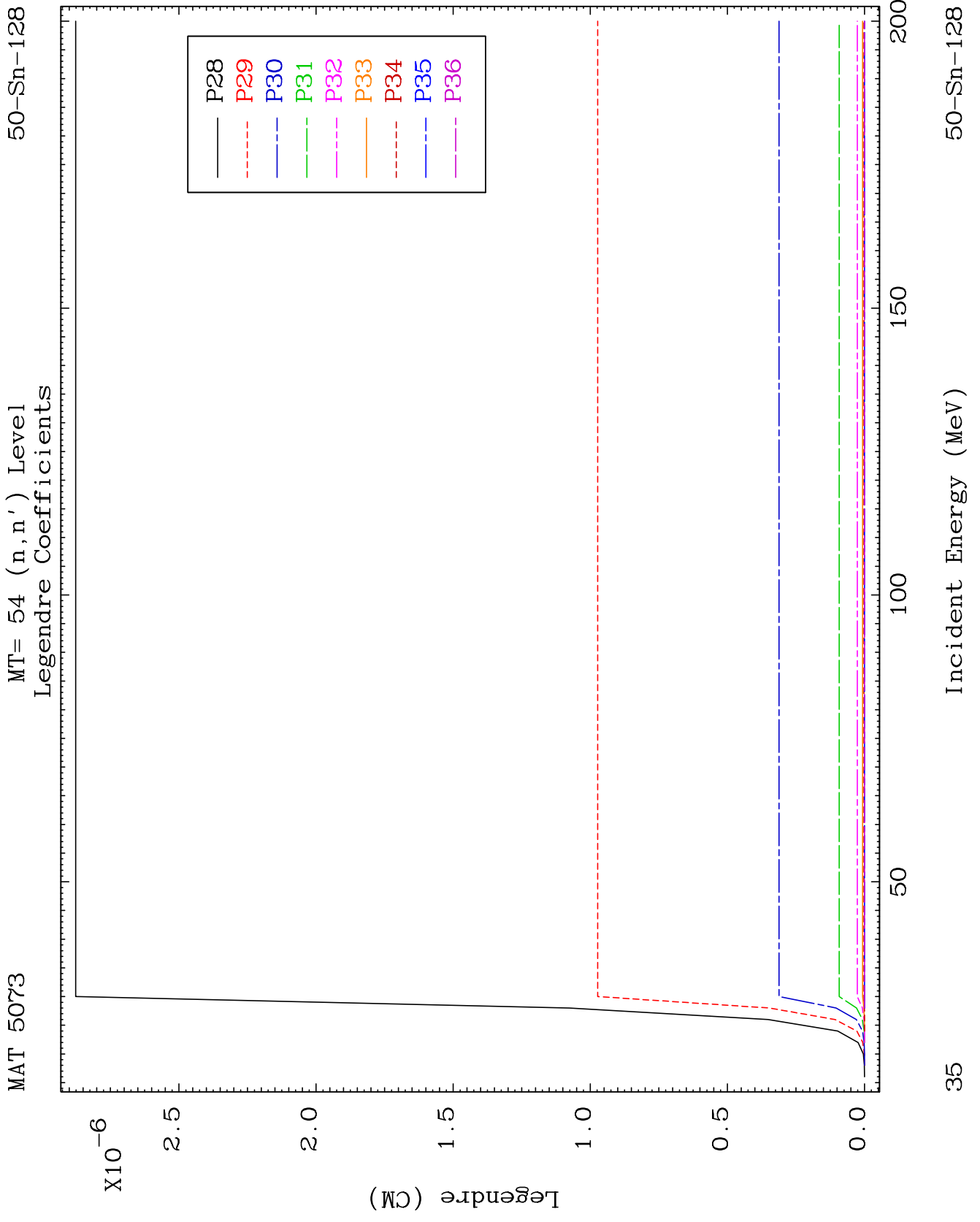
50-Sn-128



34

Incident Energy (MeV)

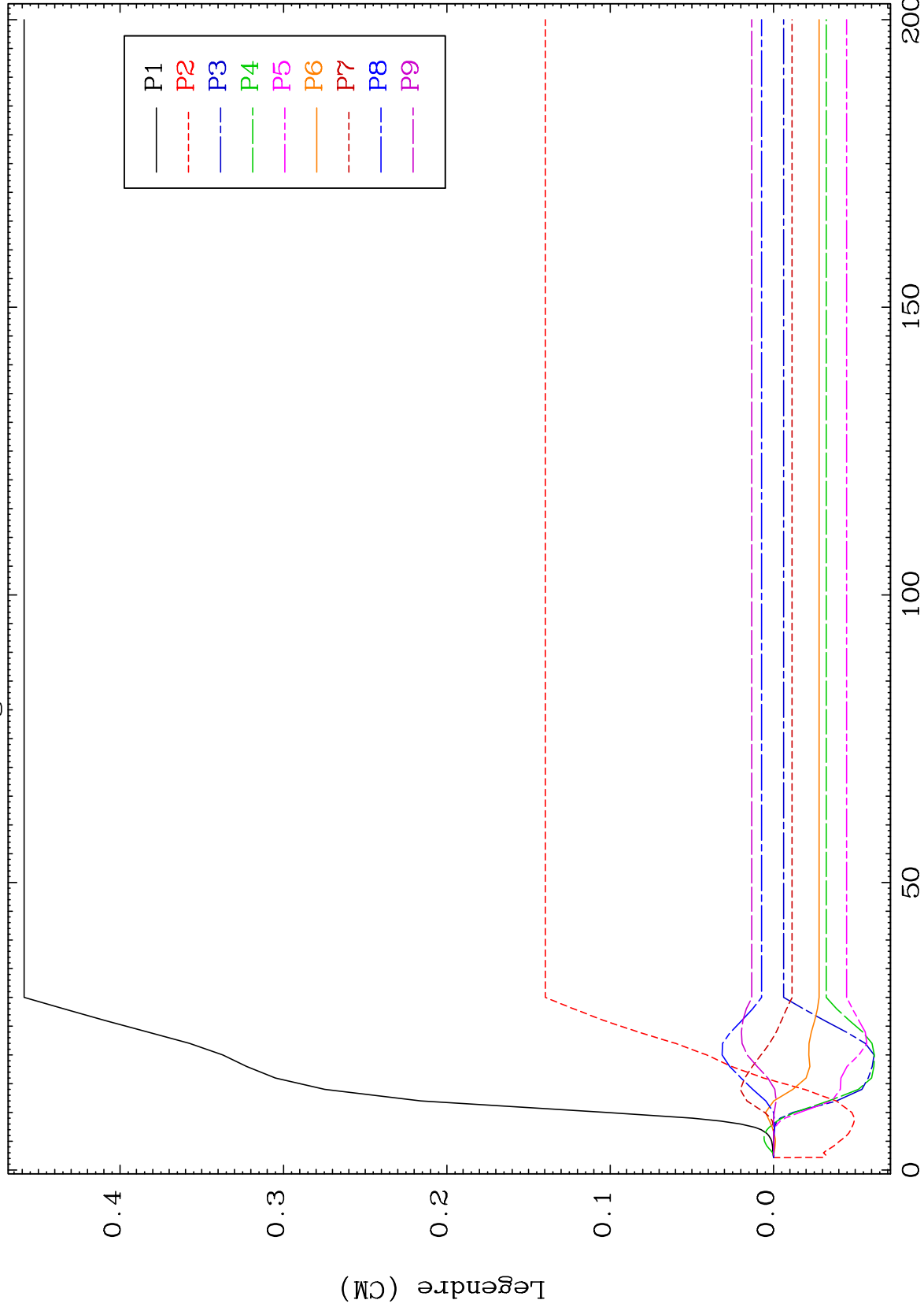
50-Sn-128



MAT 5073

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

50-Sn-128



36

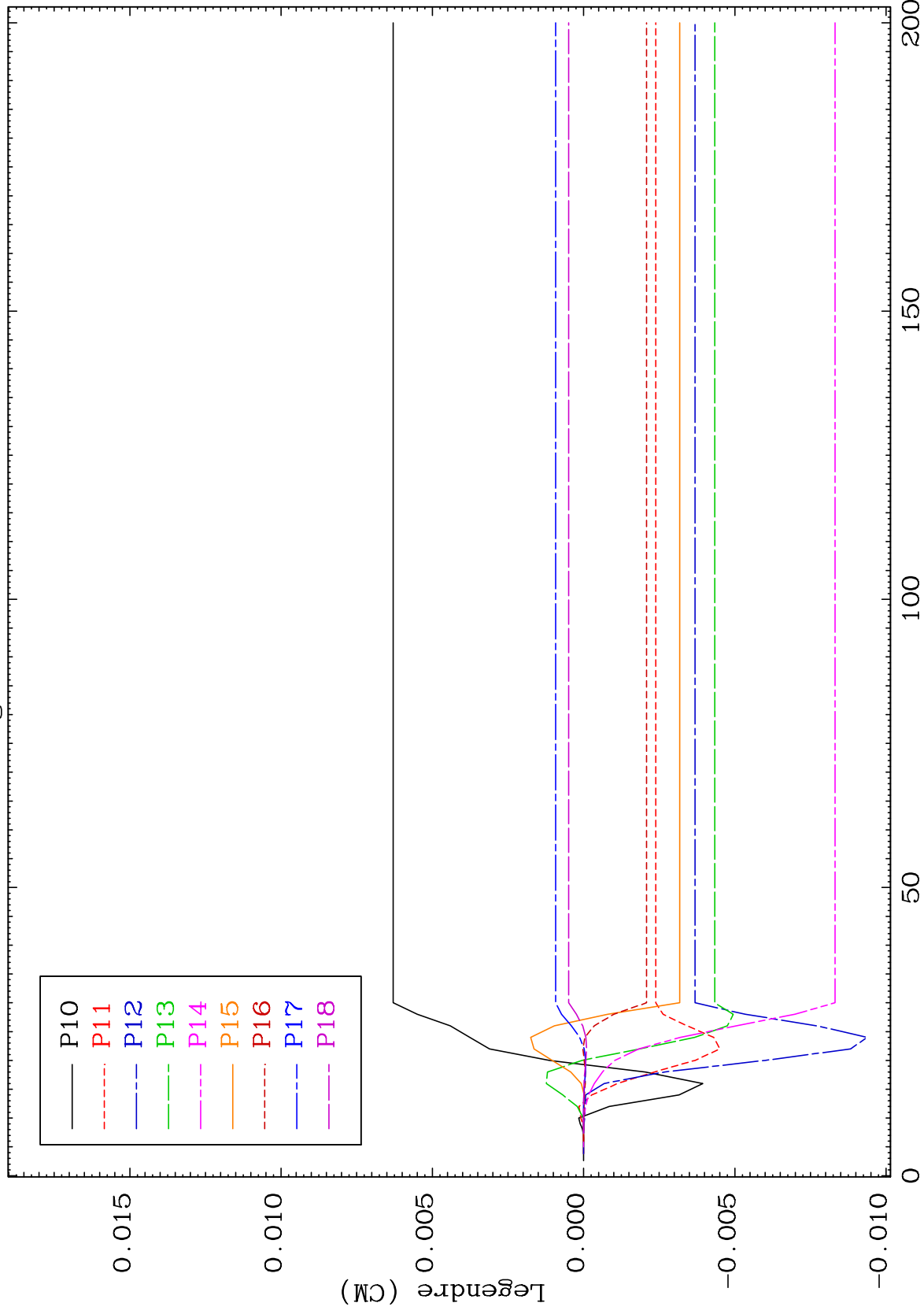
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



37

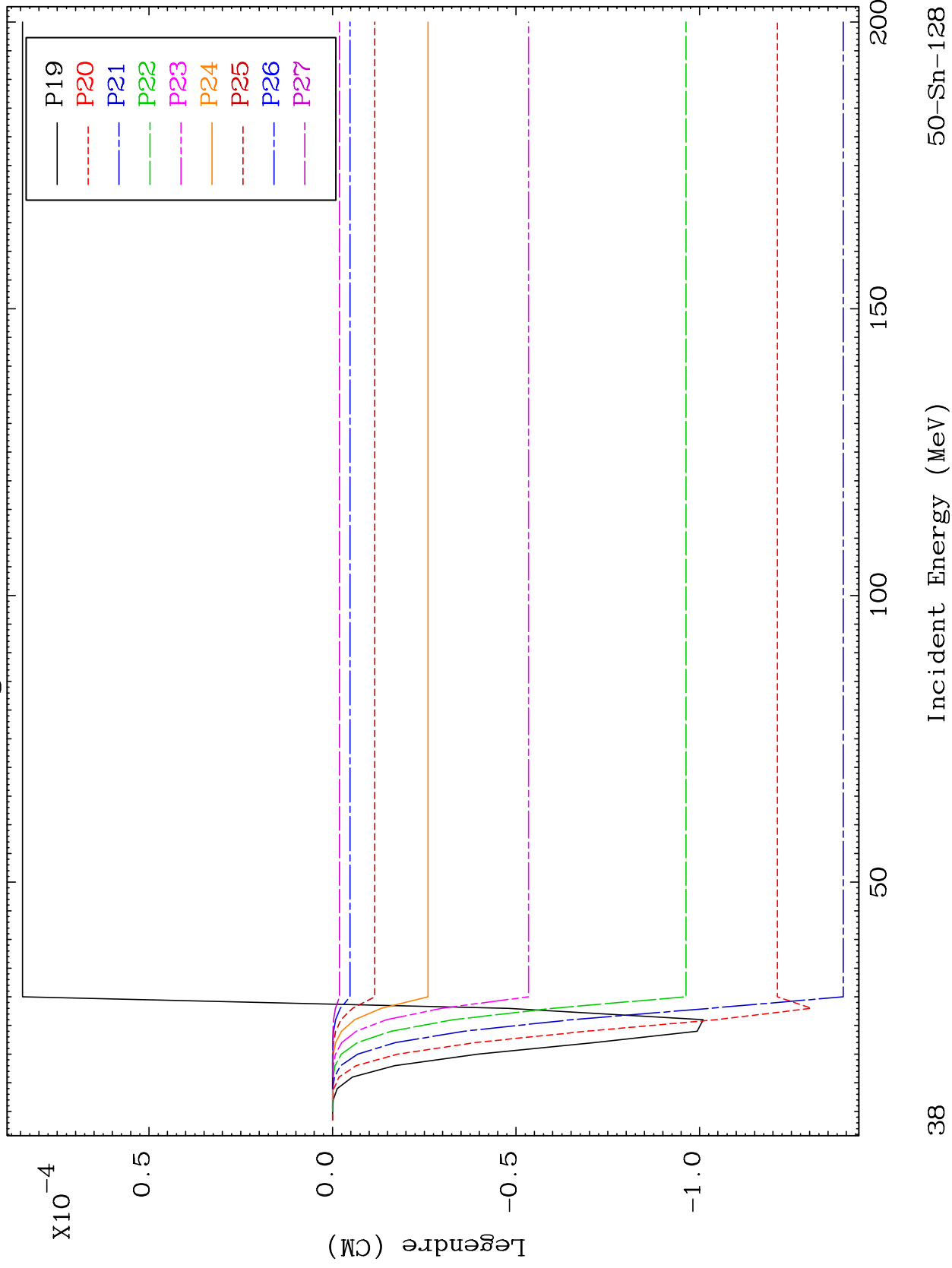
Incident Energy (MeV)

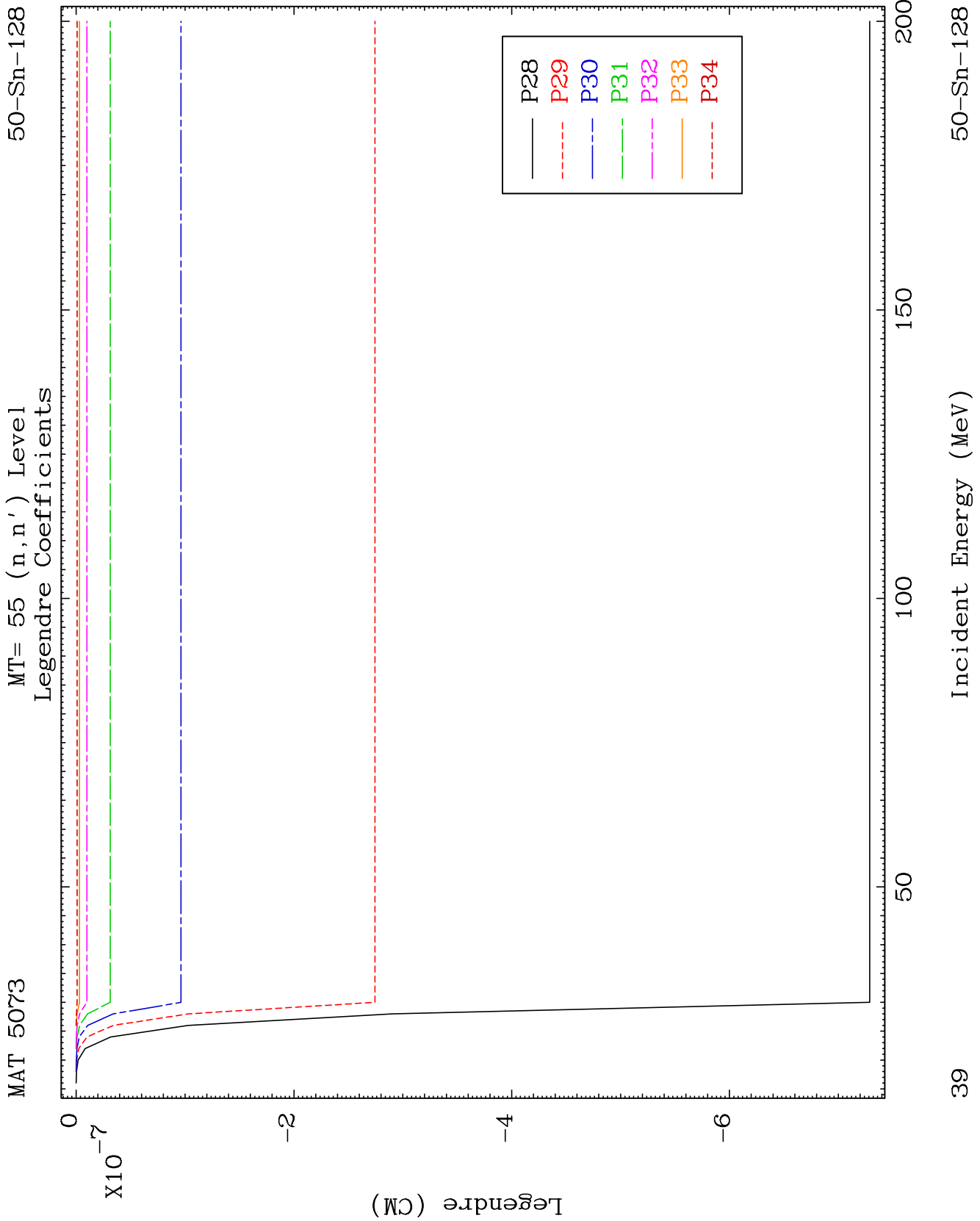
50-Sn-128

MAT 5073

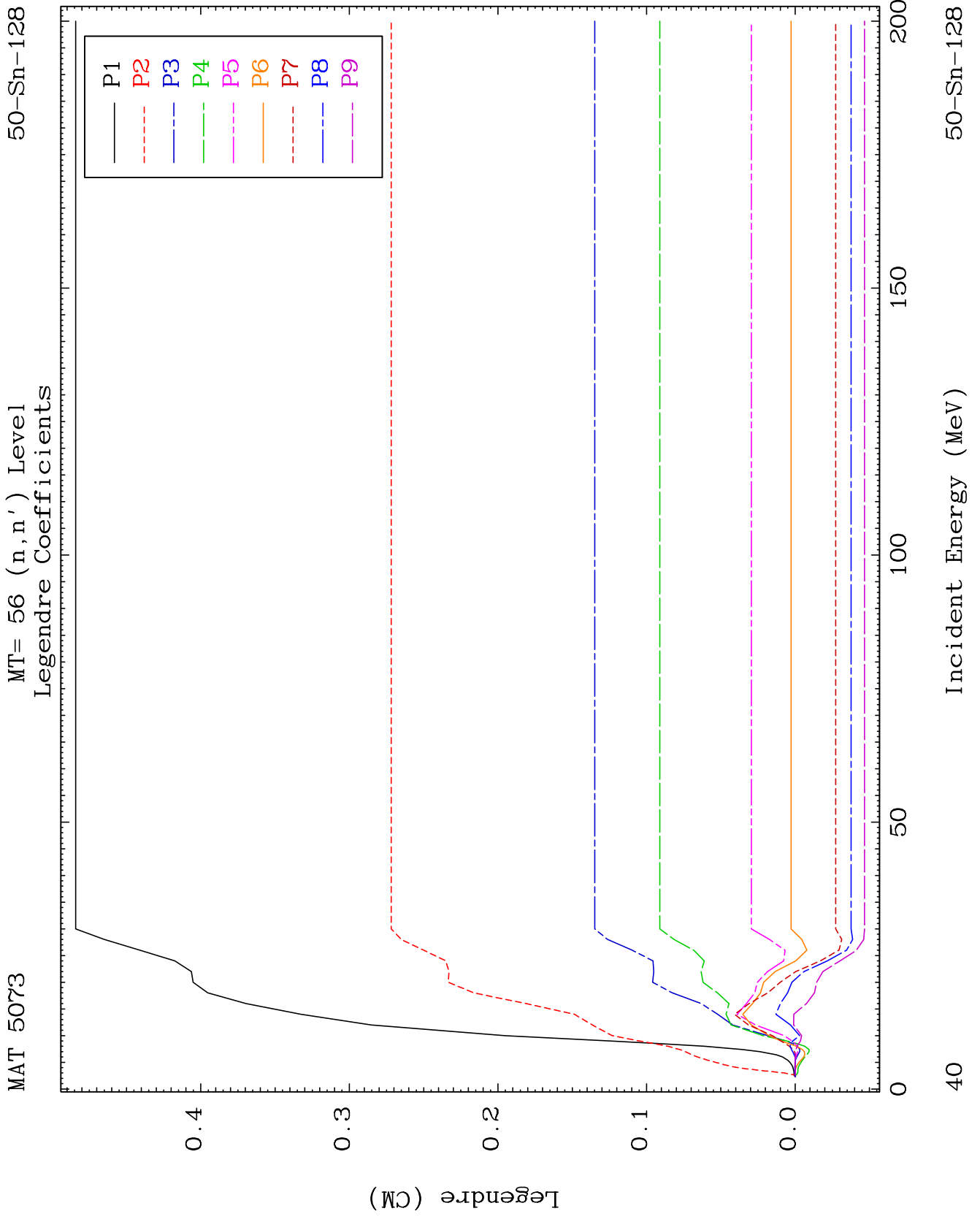
MT= 55 (n,n') Level  
Legendre Coefficients

50-Sn-128





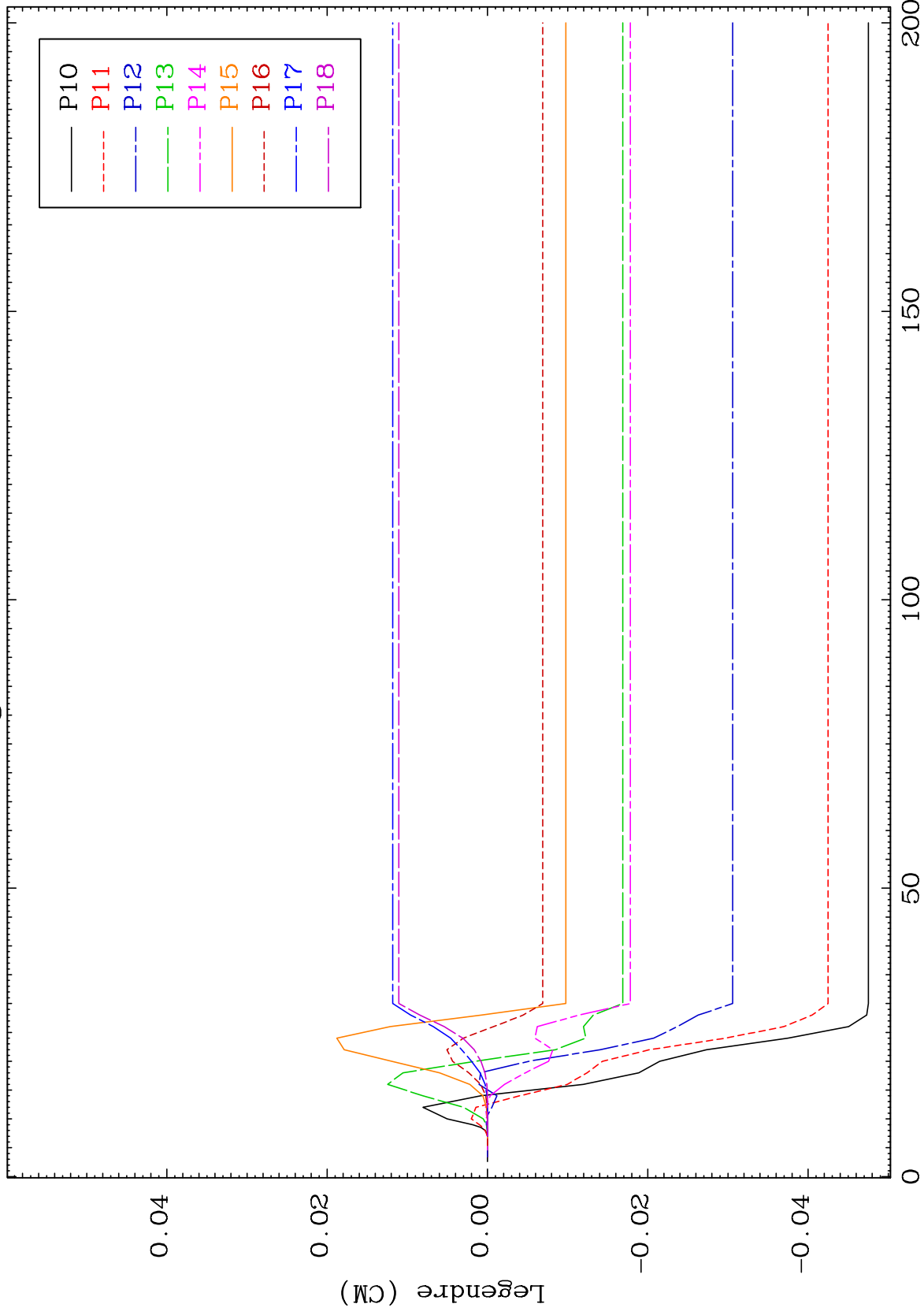




MAT 5073

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

50-Sn-128



41

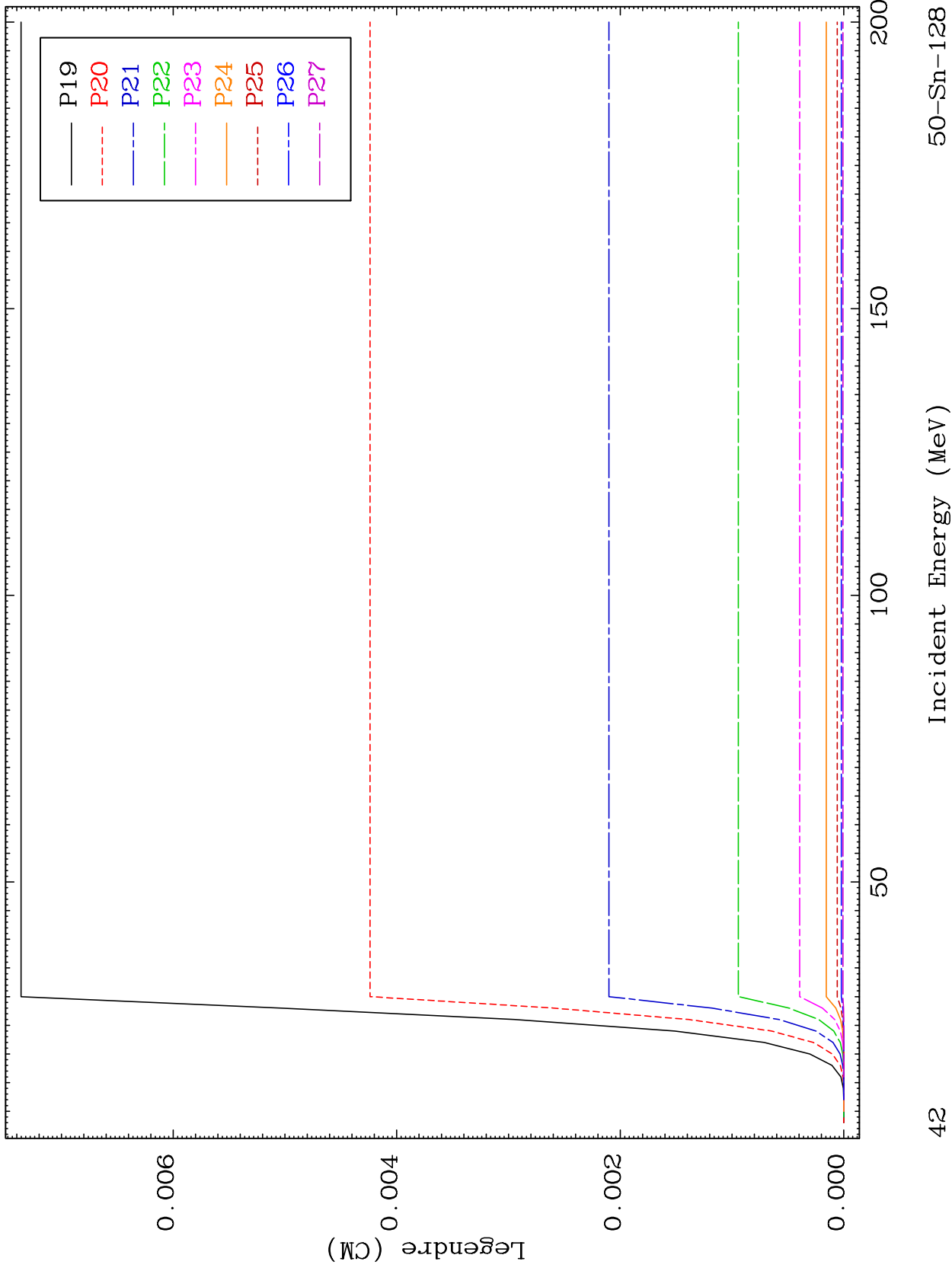
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

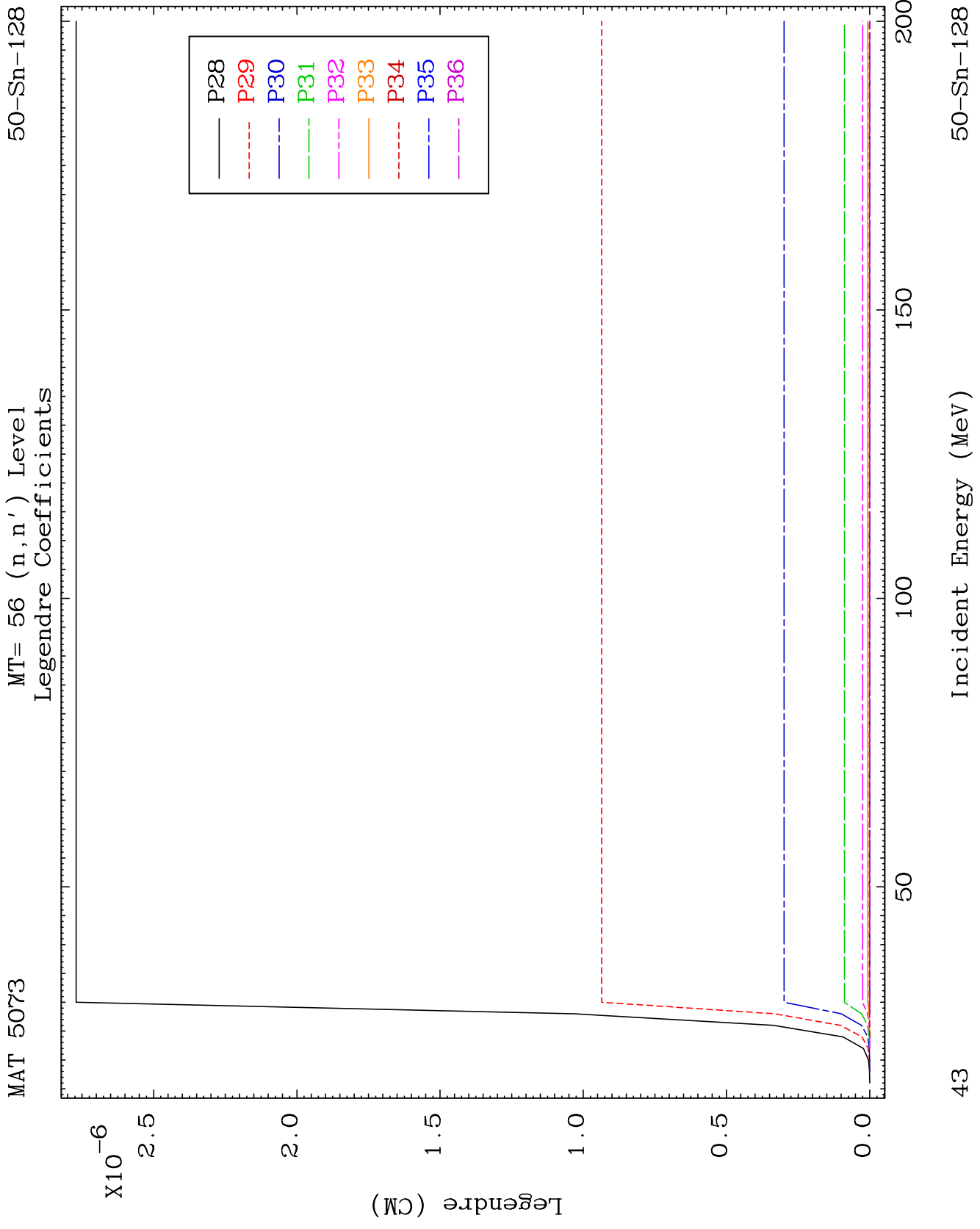
50-Sn-128



42

Incident Energy (MeV)

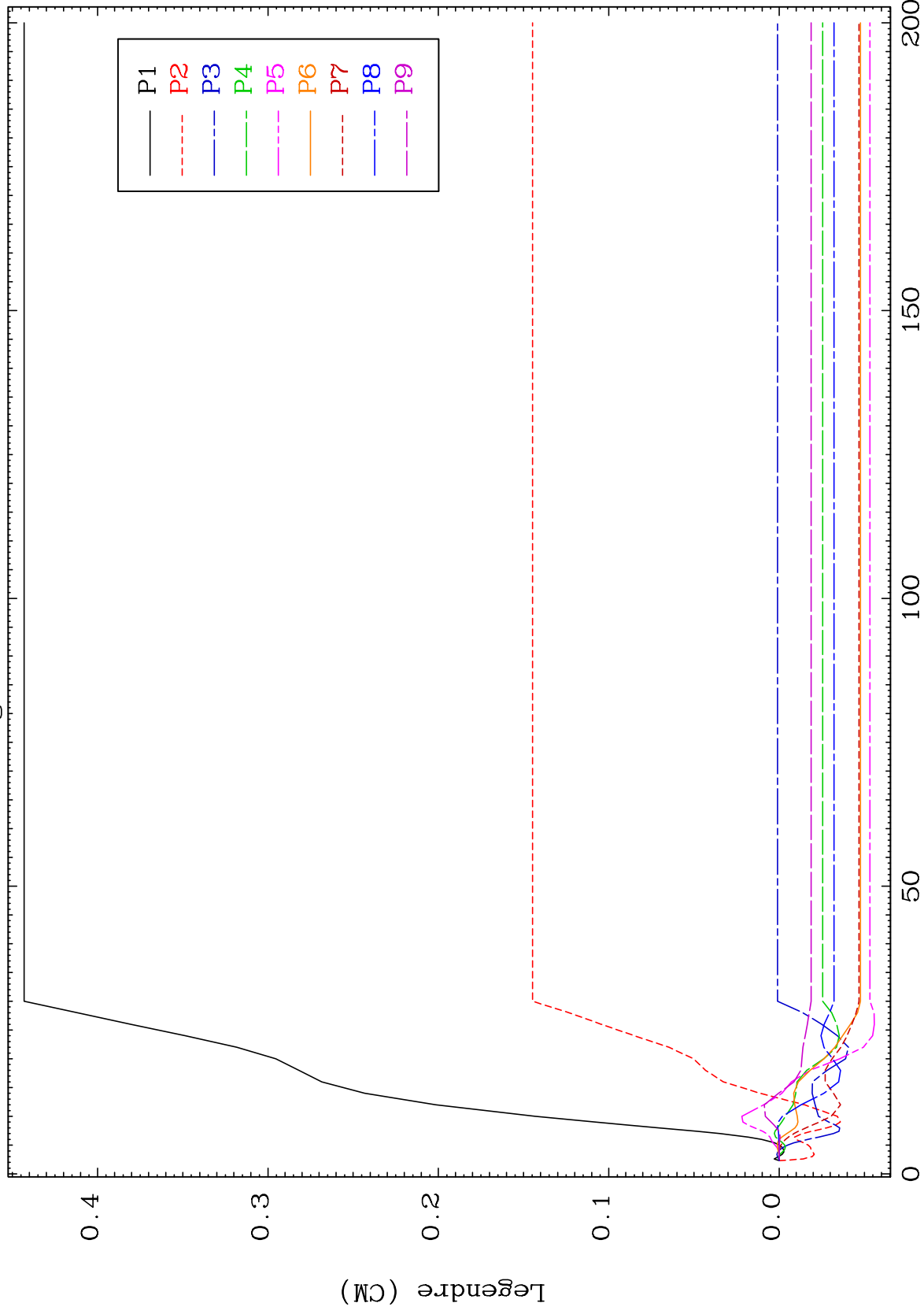
50-Sn-128



MAT 5073

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

50-Sn-128



44

Incident Energy (MeV)

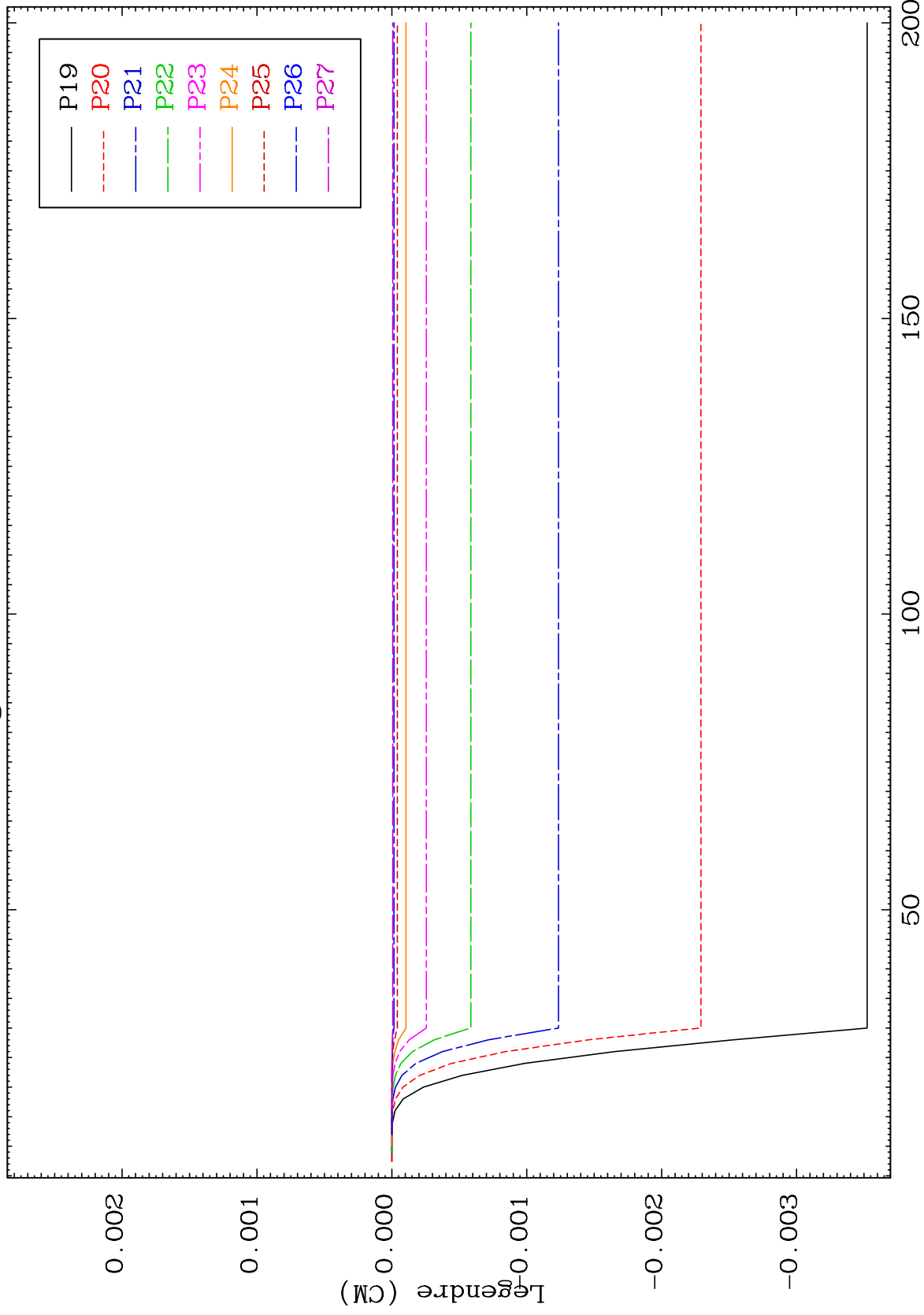
50-Sn-128



MAT 5073

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

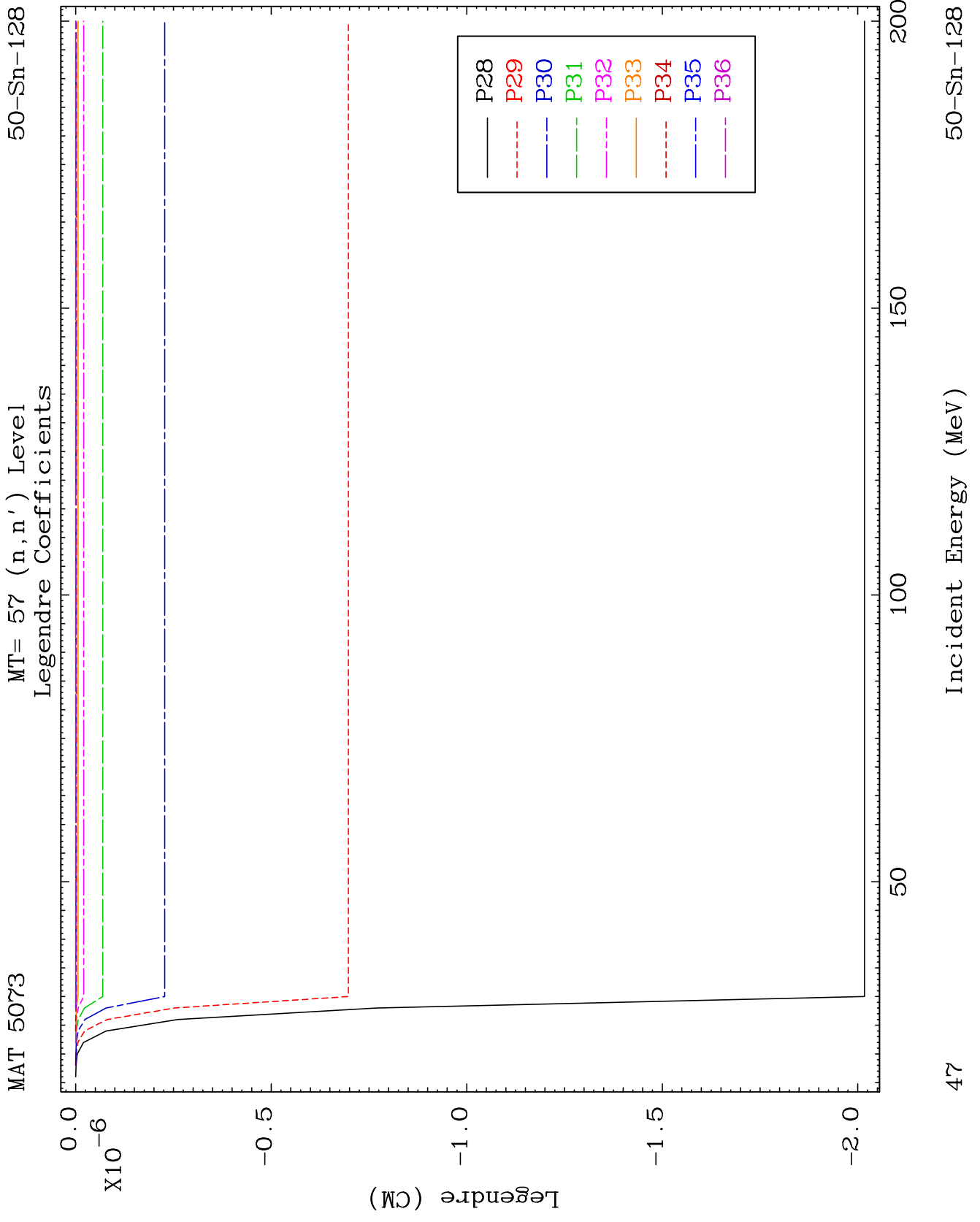
50-Sn-128



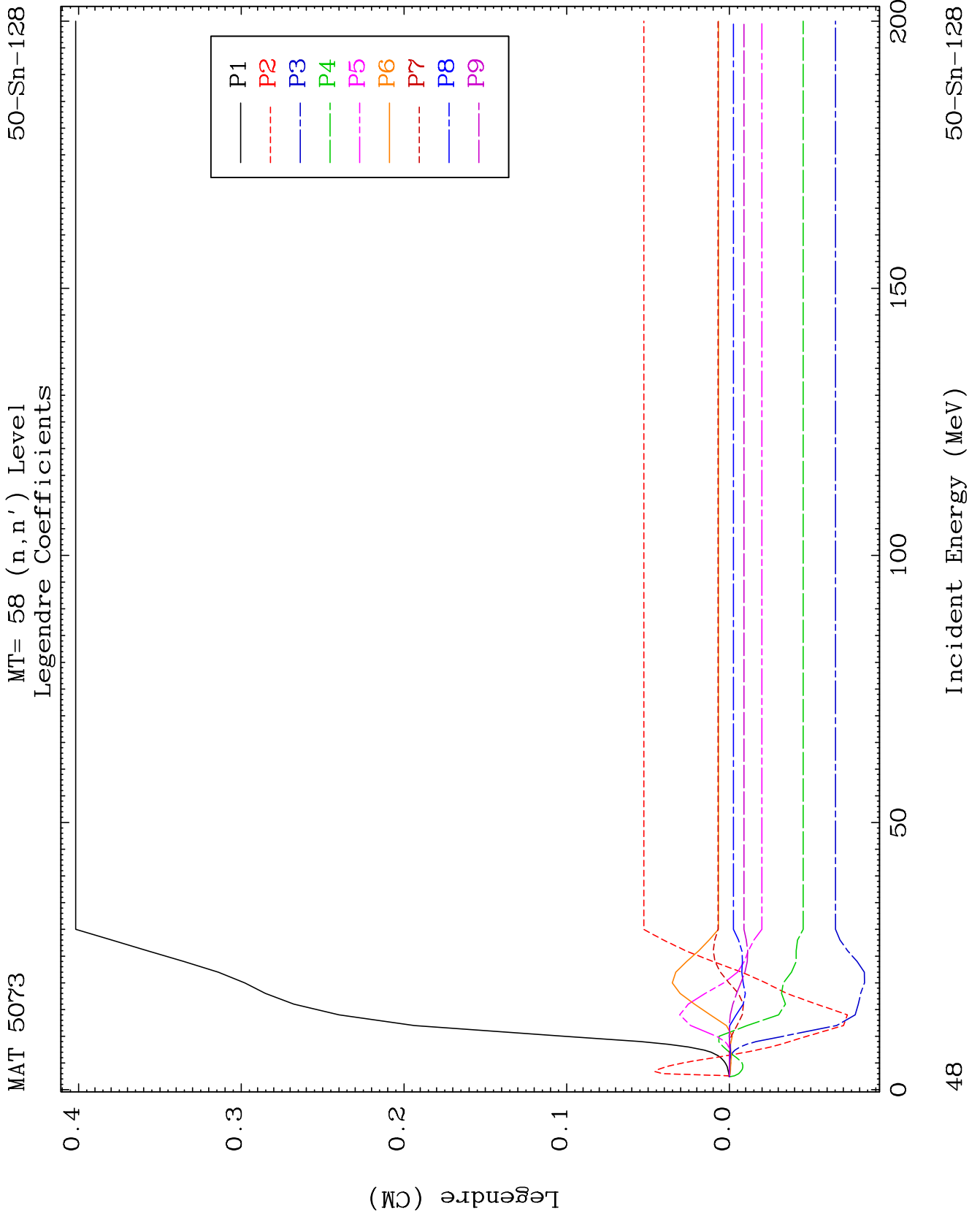
46

Incident Energy (MeV)

50-Sn-128



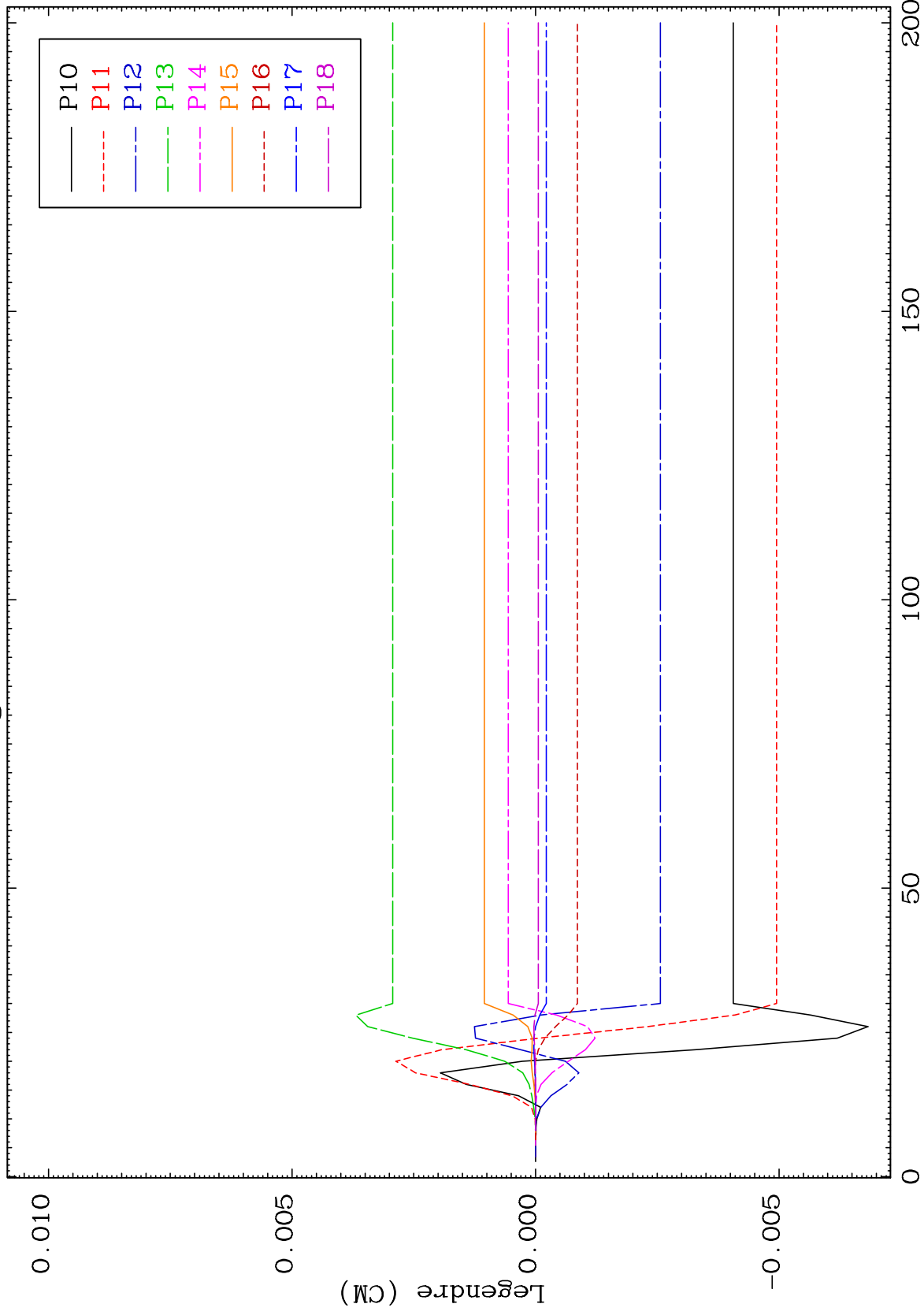




MAT 5073

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

50-Sn-128



49

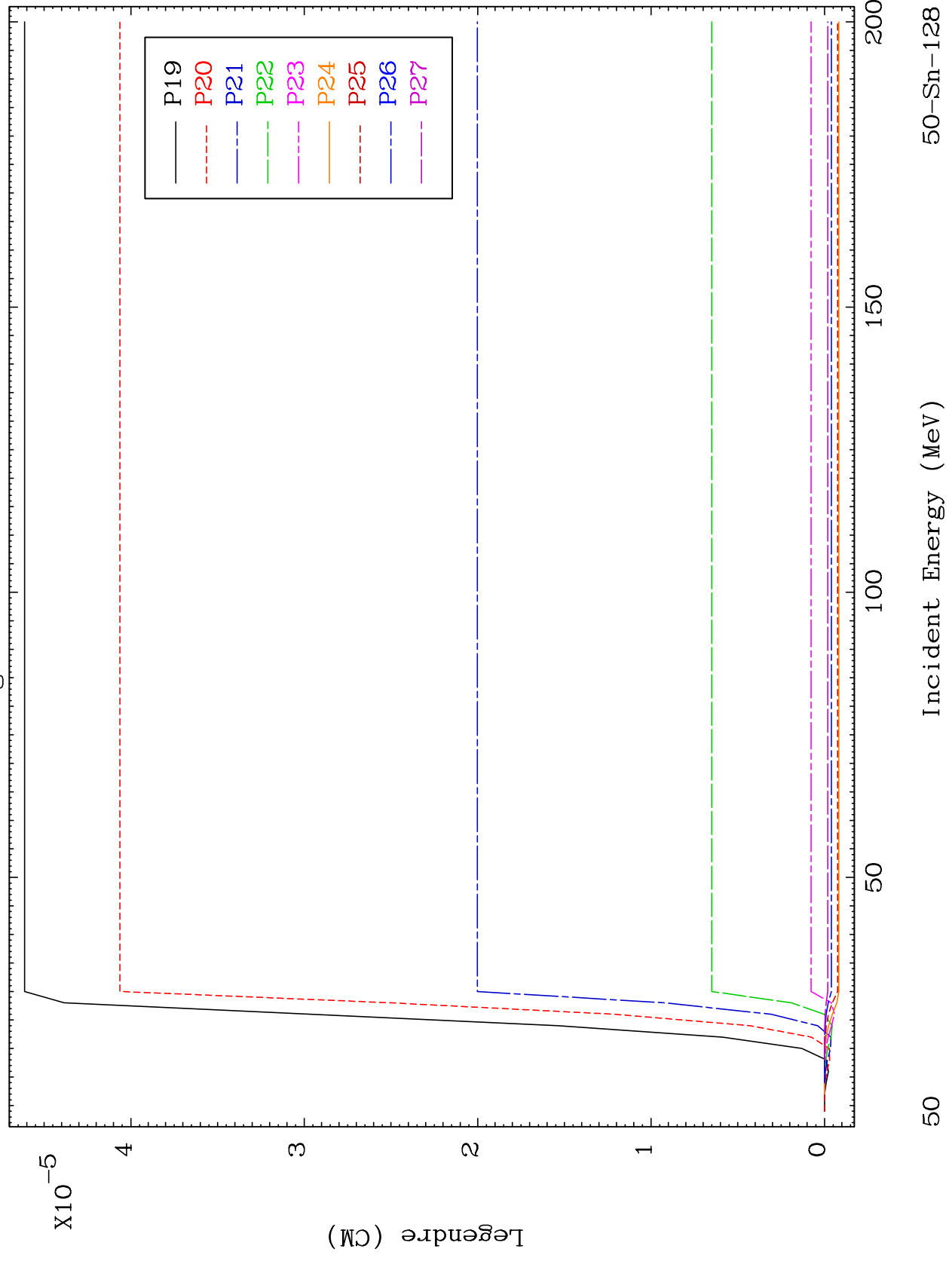
Incident Energy (MeV)

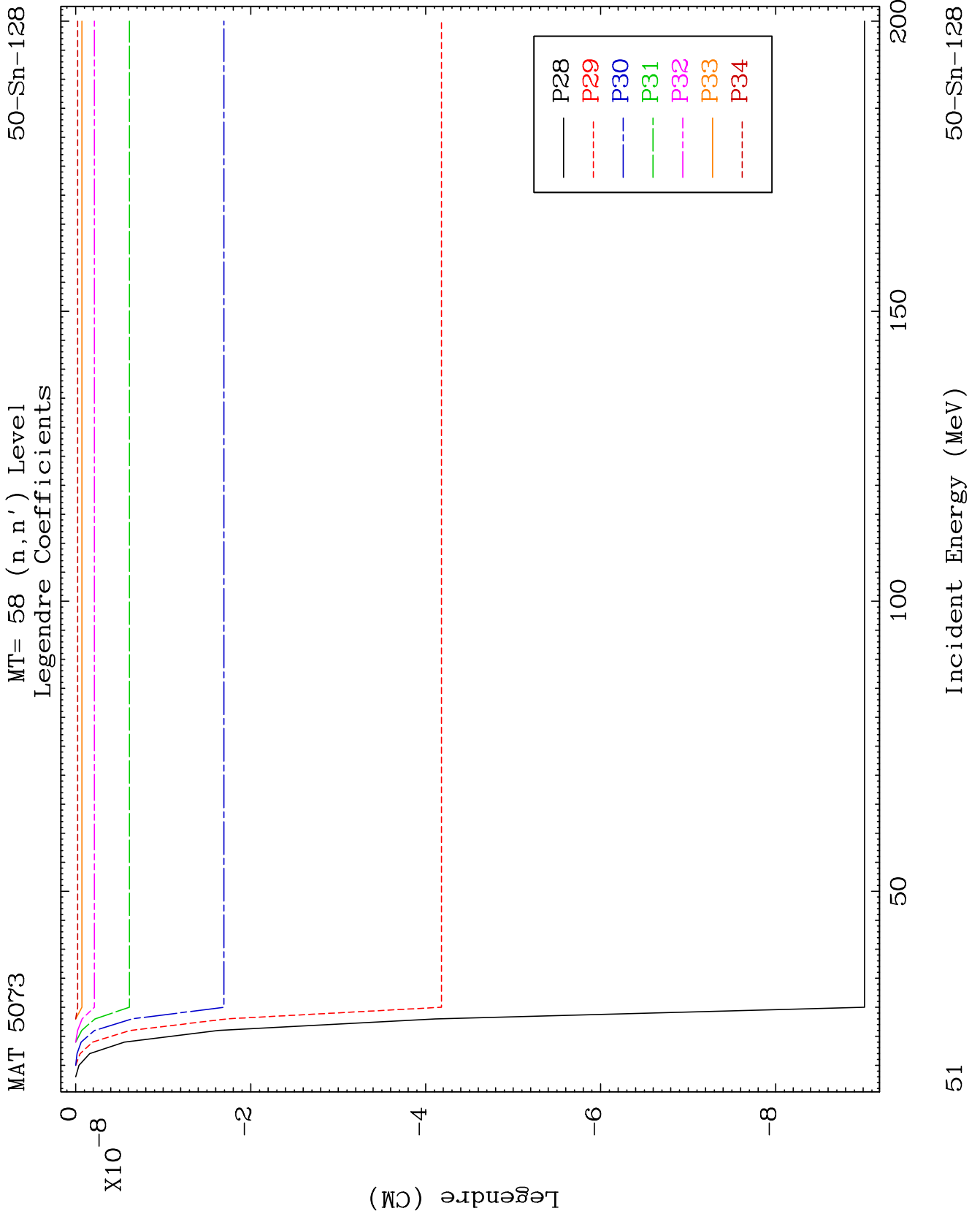
50-Sn-128

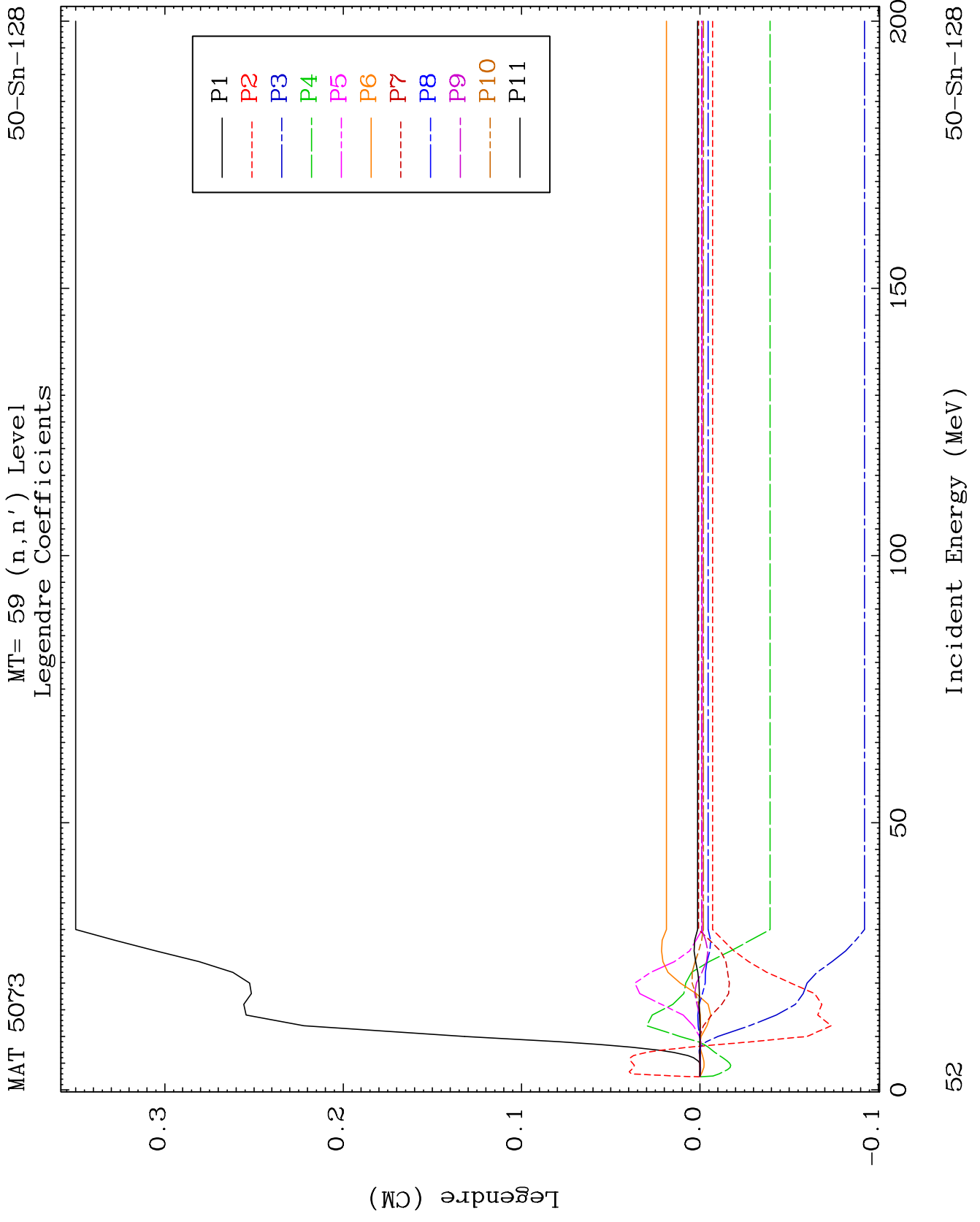
MAT 5073

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

50-Sn-128



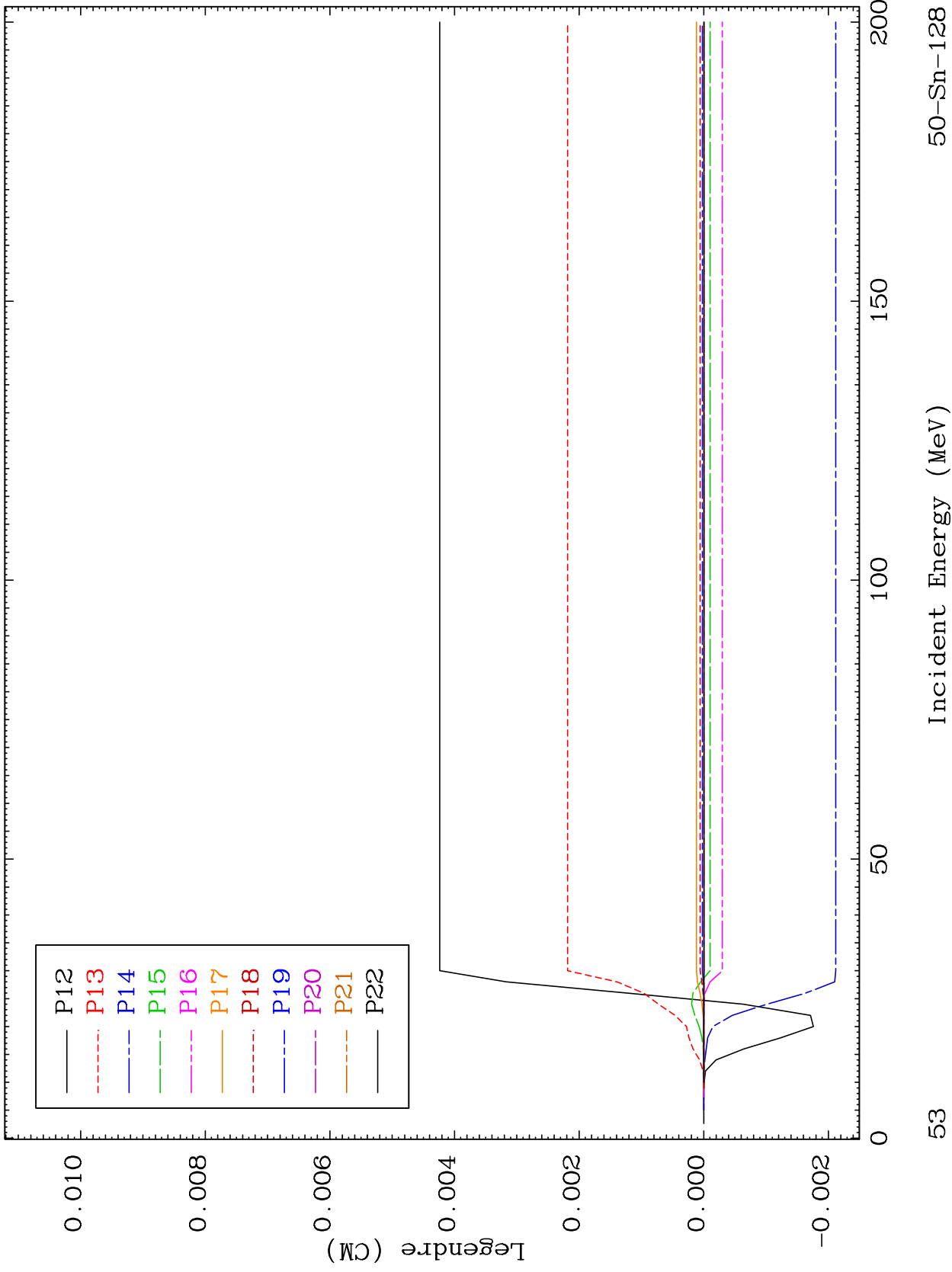




MAT 5073

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

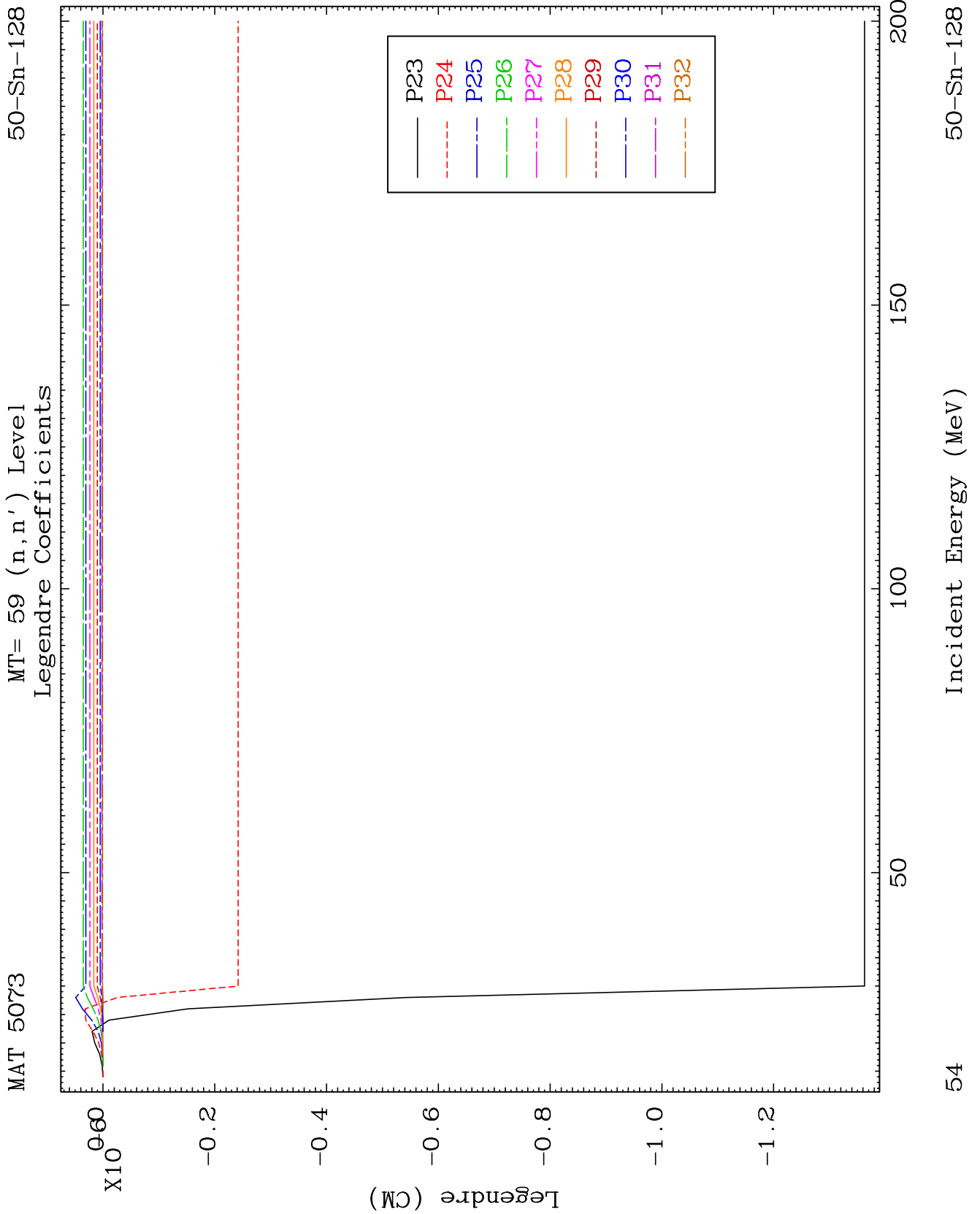
50-Sn-128



53

Incident Energy (MeV)

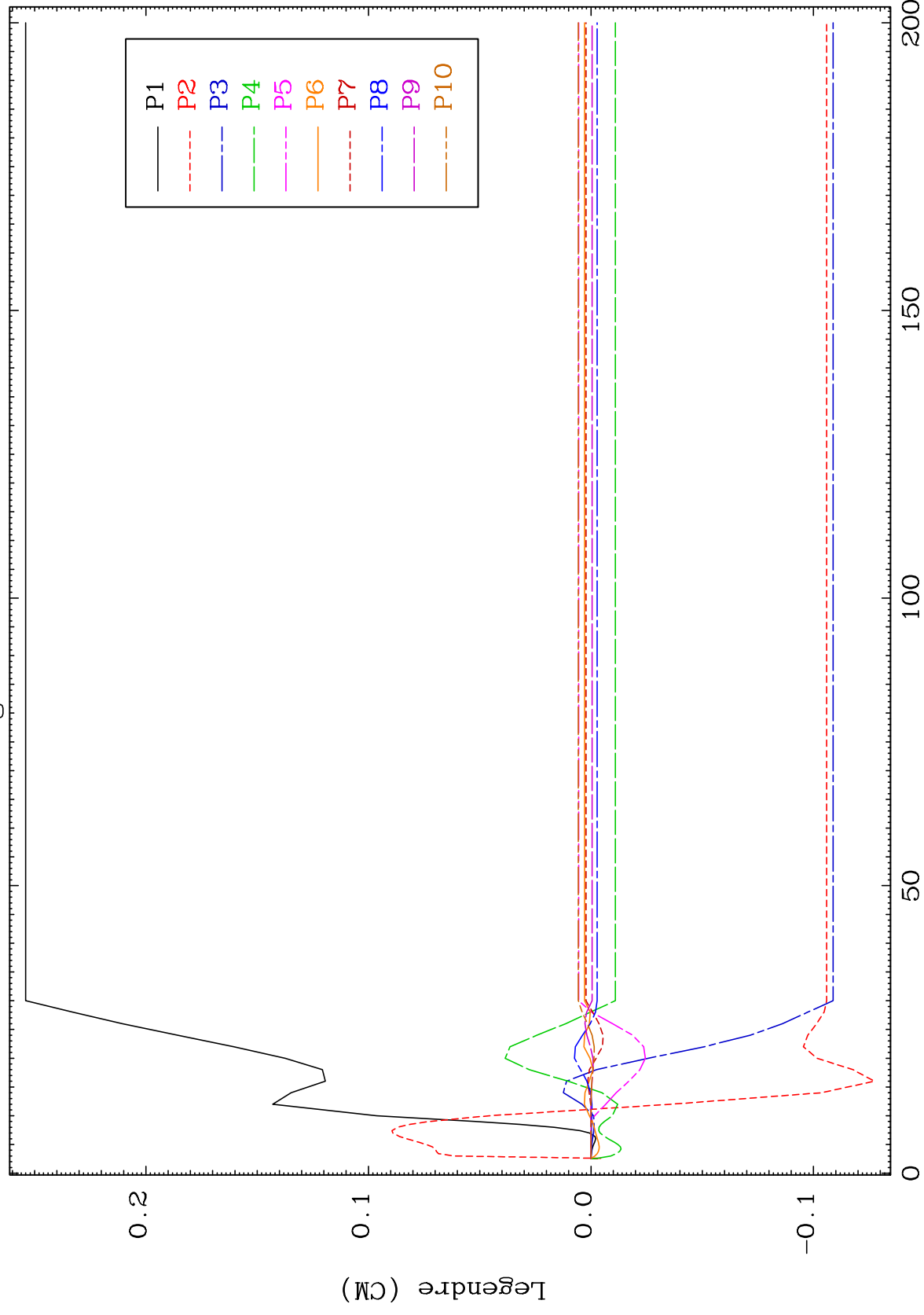
50-Sn-128



MAT 5073

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

50-Sn-128



55

Incident Energy (MeV)

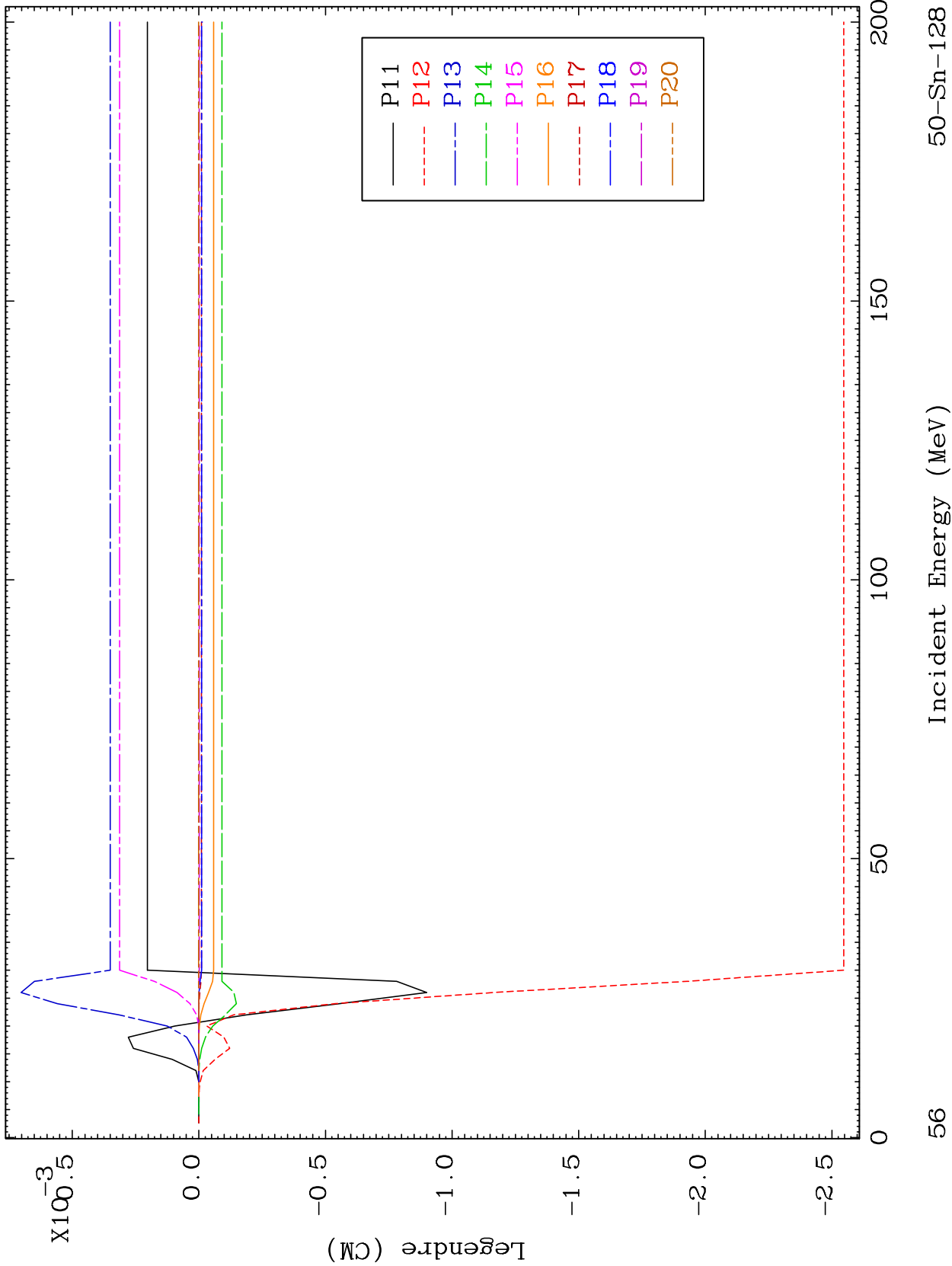
50-Sn-128



MAT 5073

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

50-Sn-128



56

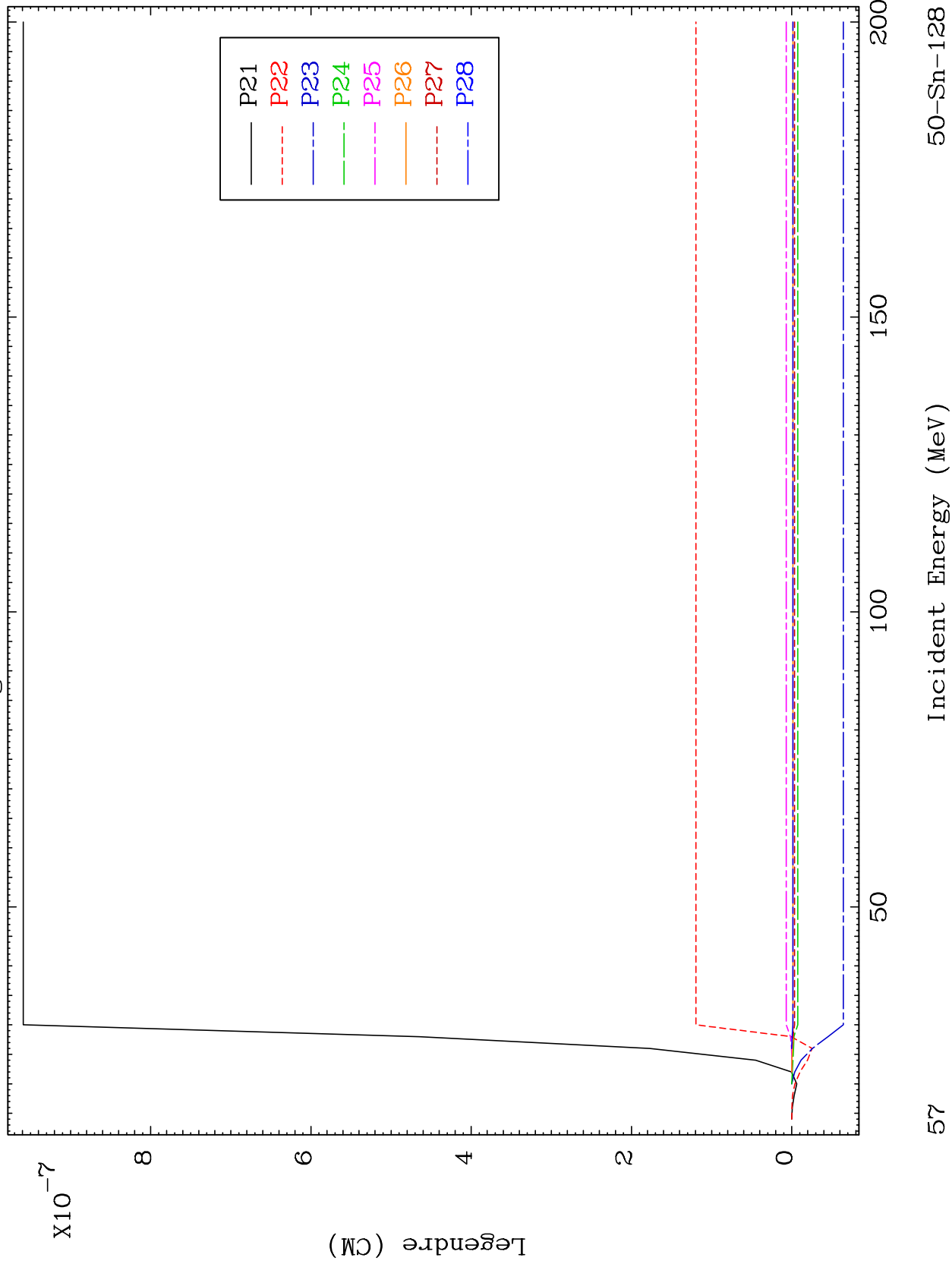
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



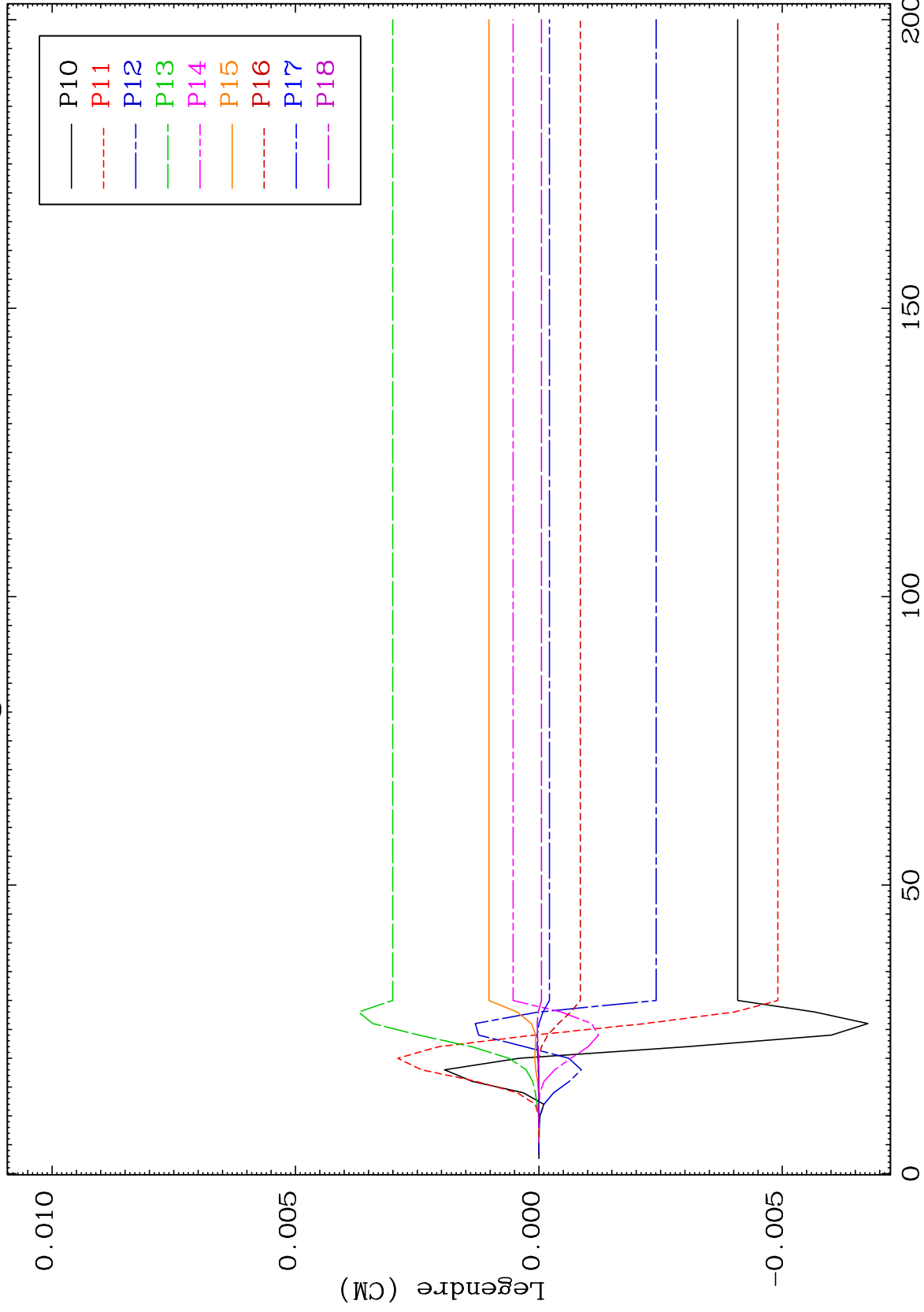
57



MAT 5073

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

50-Sn-128

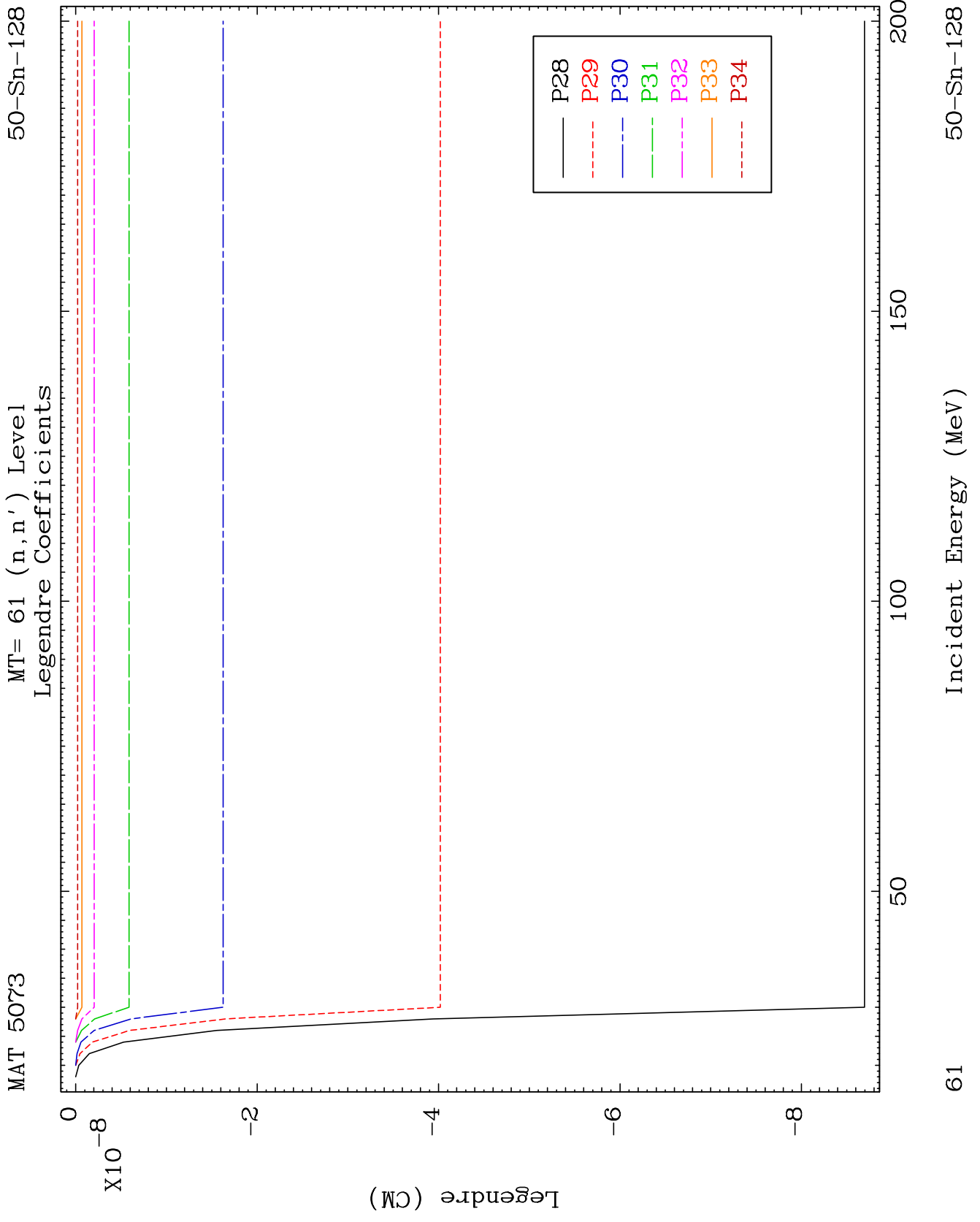


59

Incident Energy (MeV)

50-Sn-128

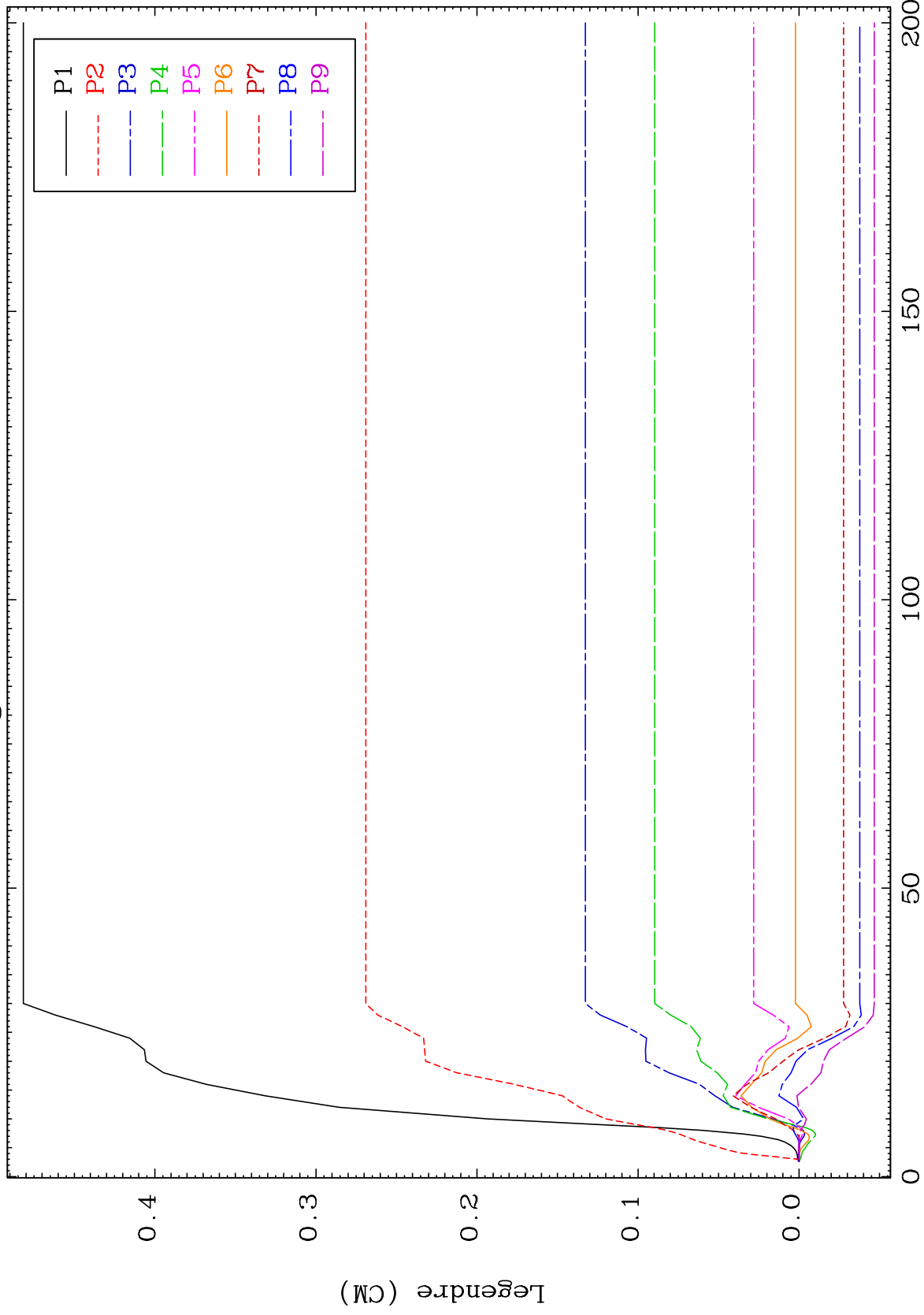




MAT 5073

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

50-Sn-128



62

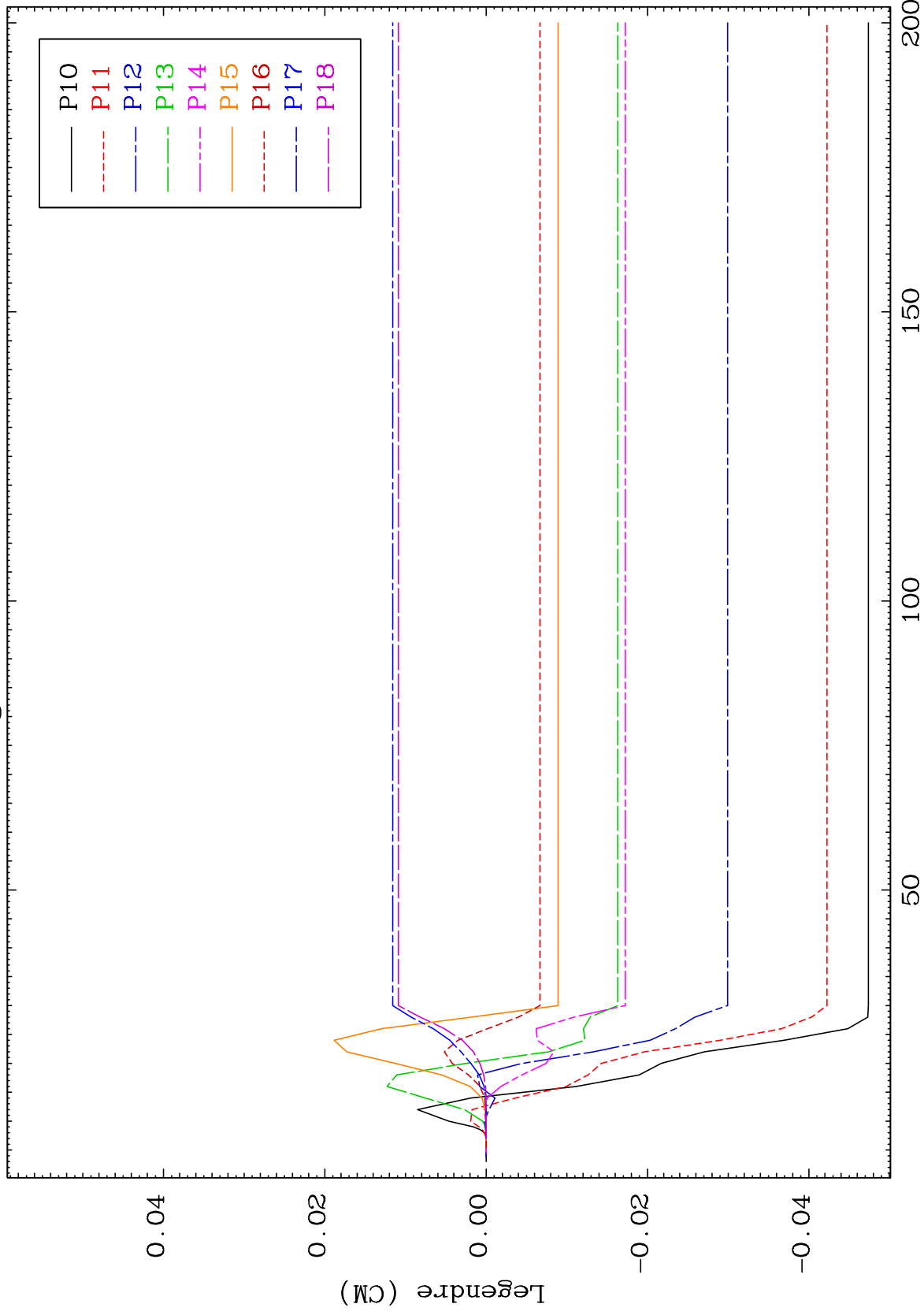
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



63

Incident Energy (MeV)

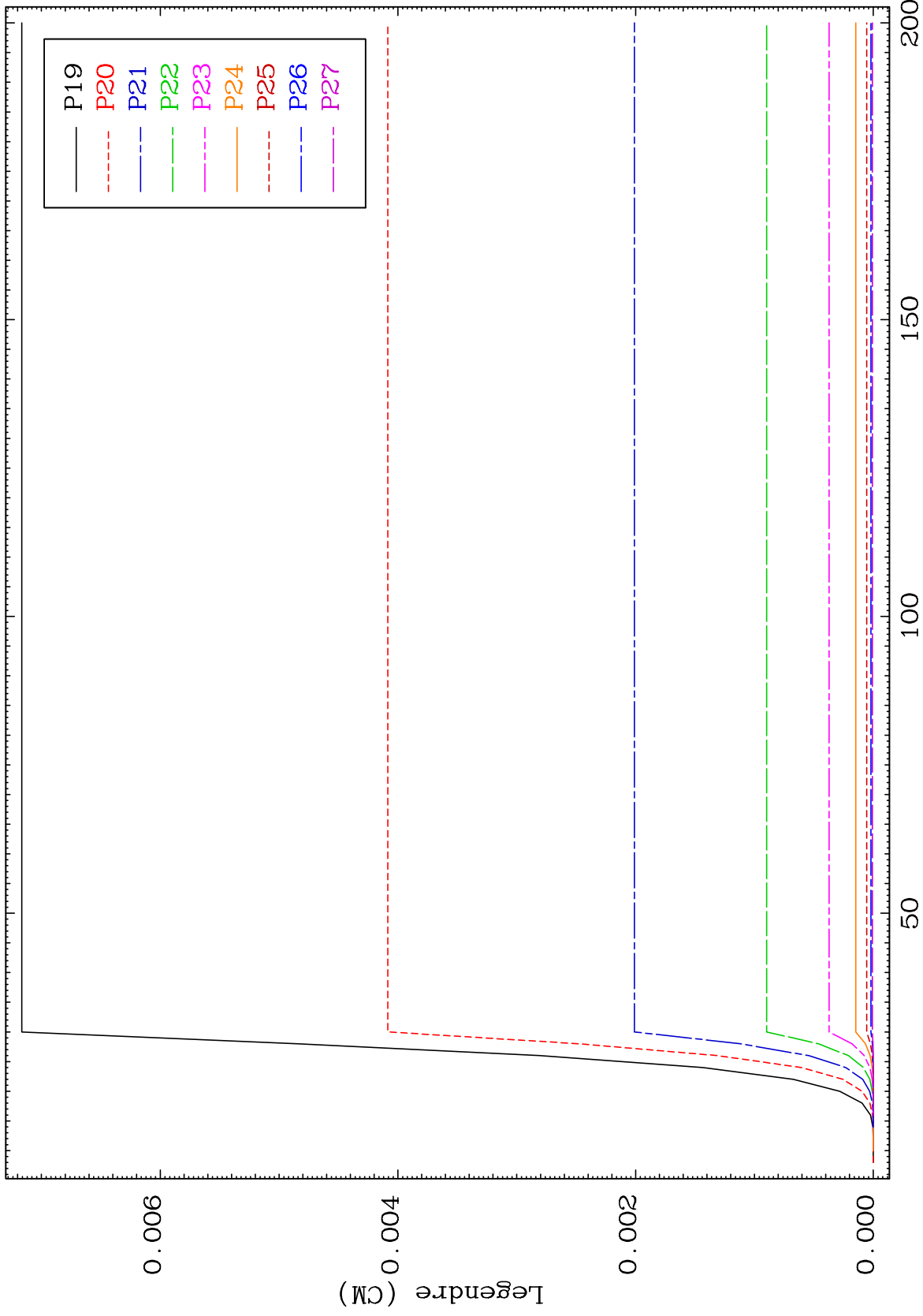
50-Sn-128



MAT 5073

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

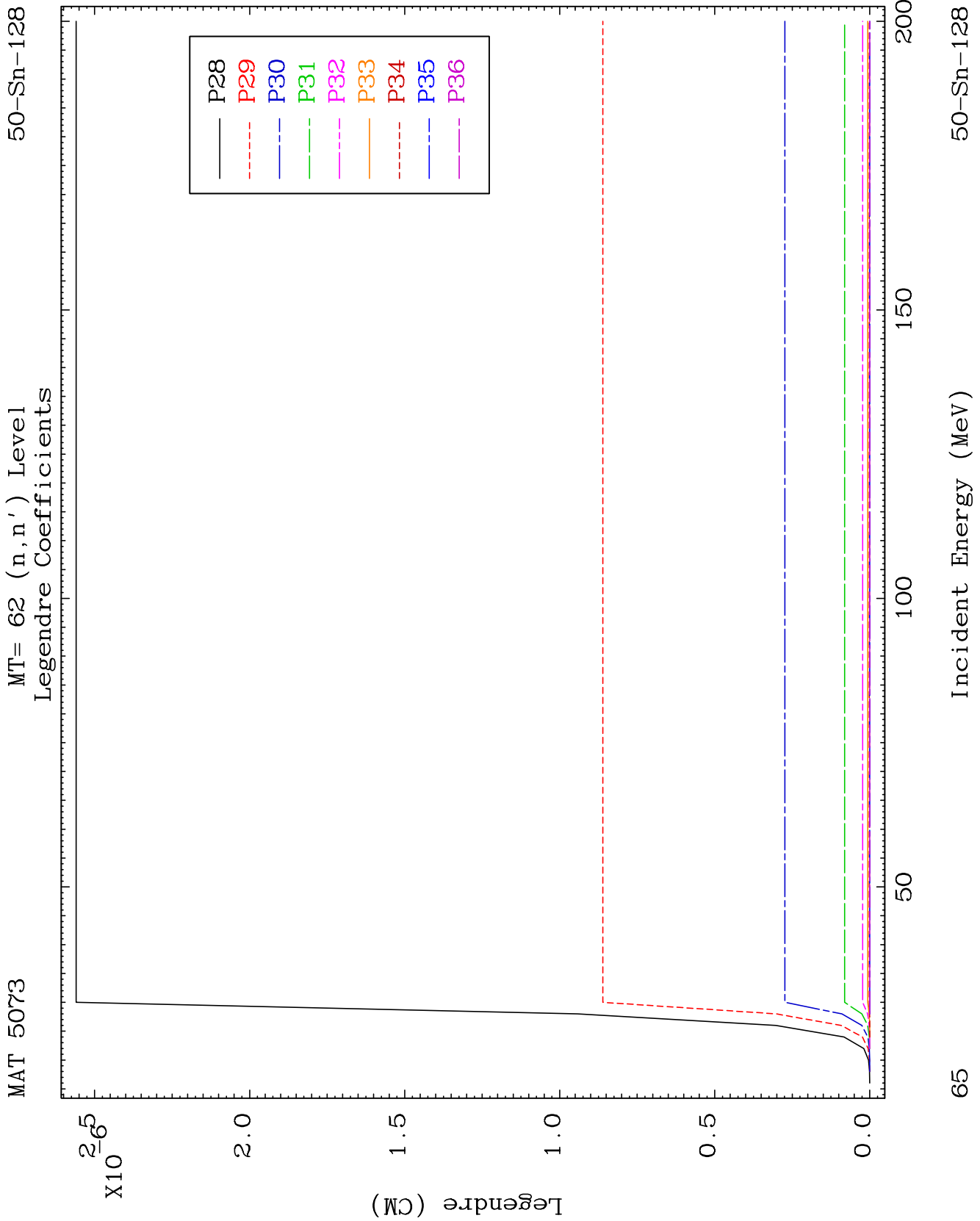
50-Sn-128



64

Incident Energy (MeV)

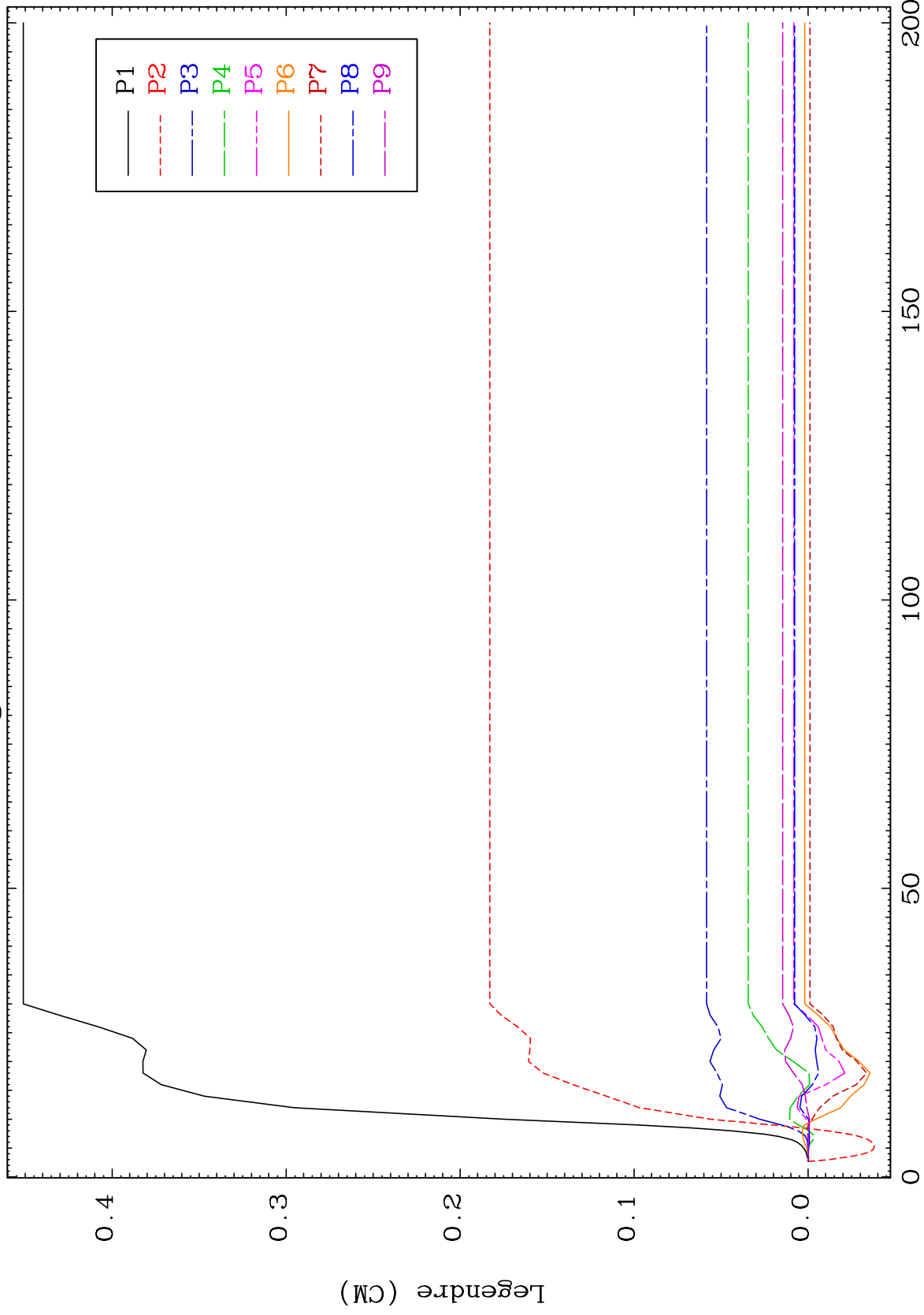
50-Sn-128



MAT 5073

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

50-Sn-128



66

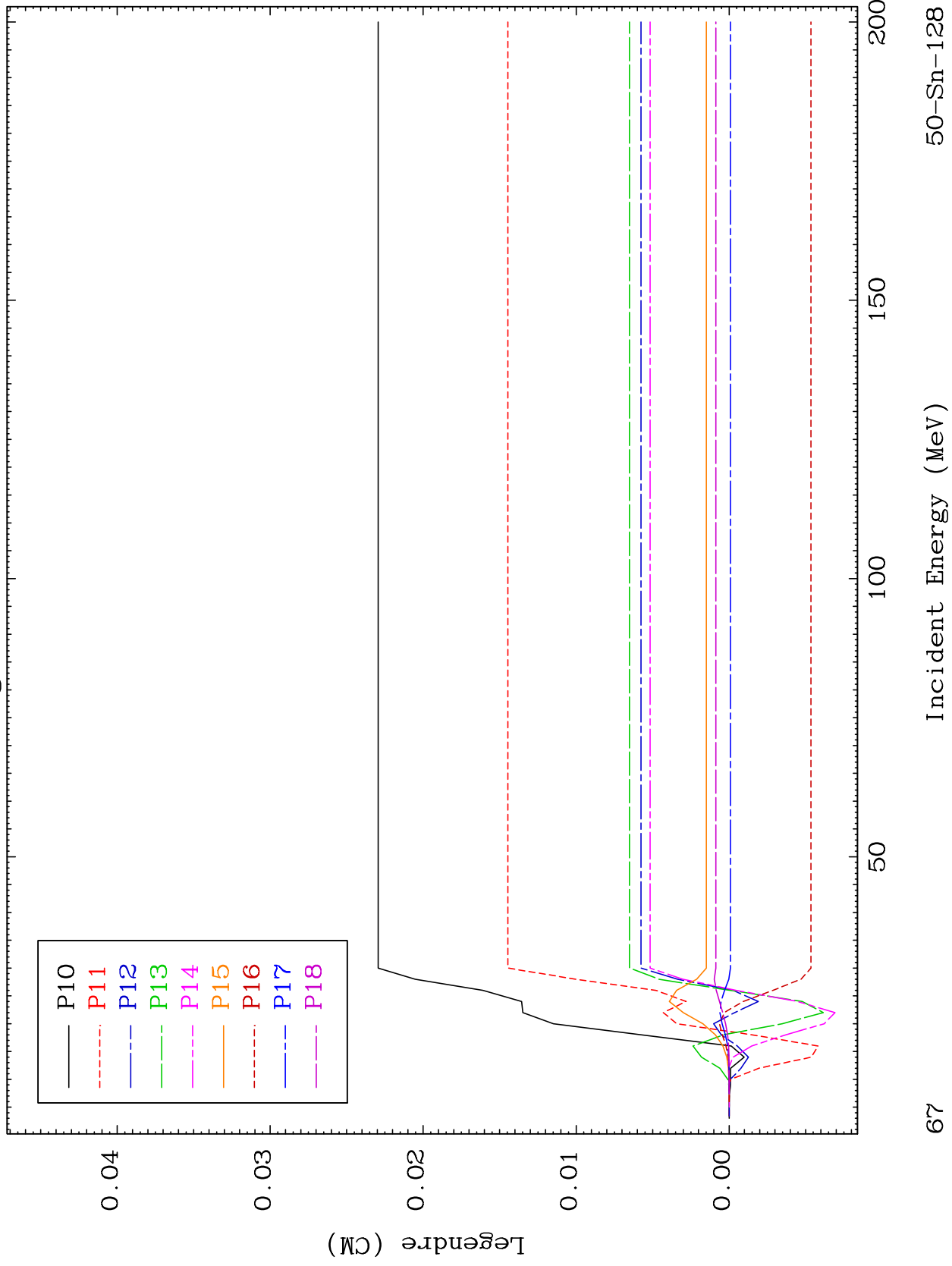
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

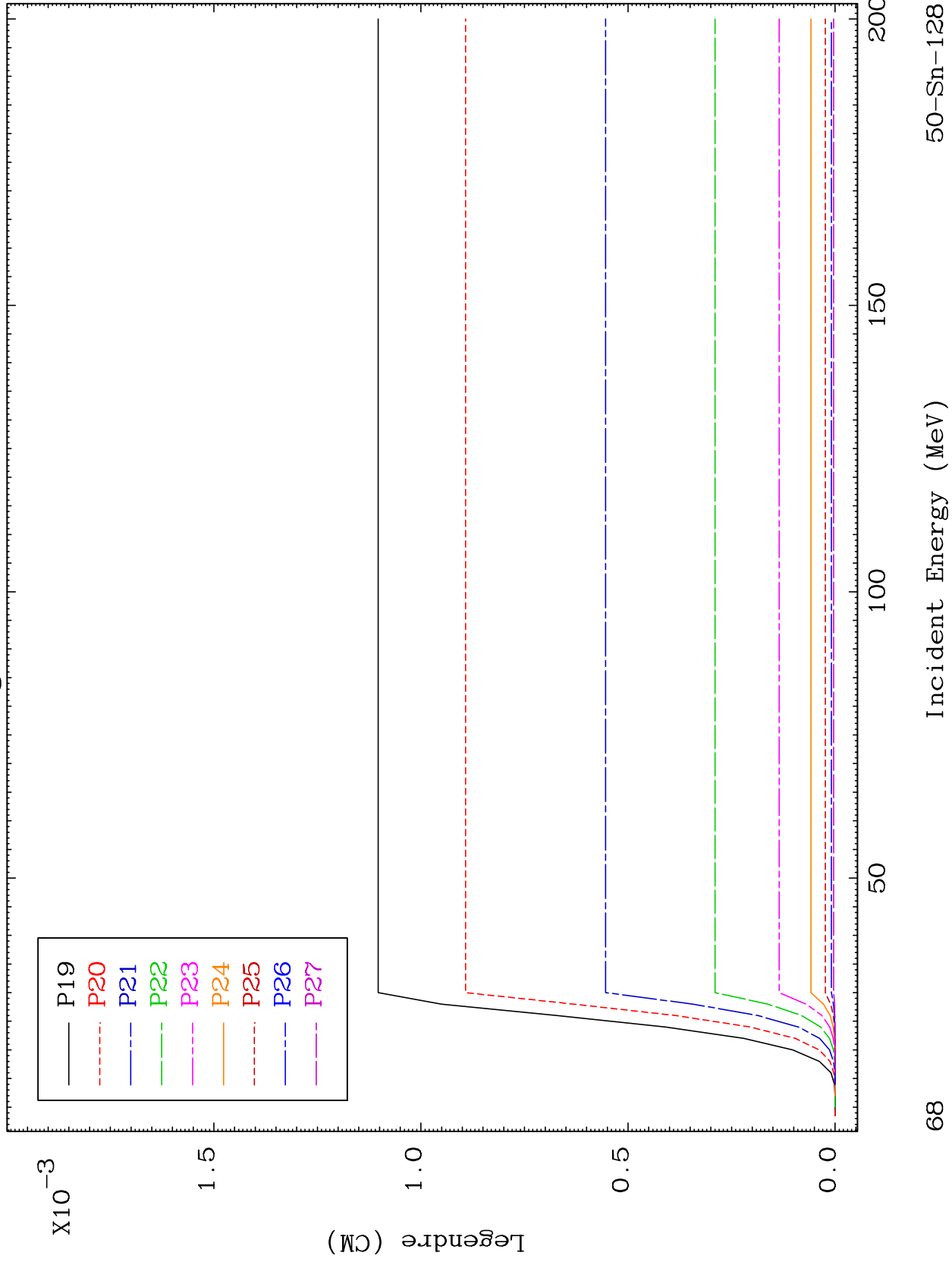
50-Sn-128

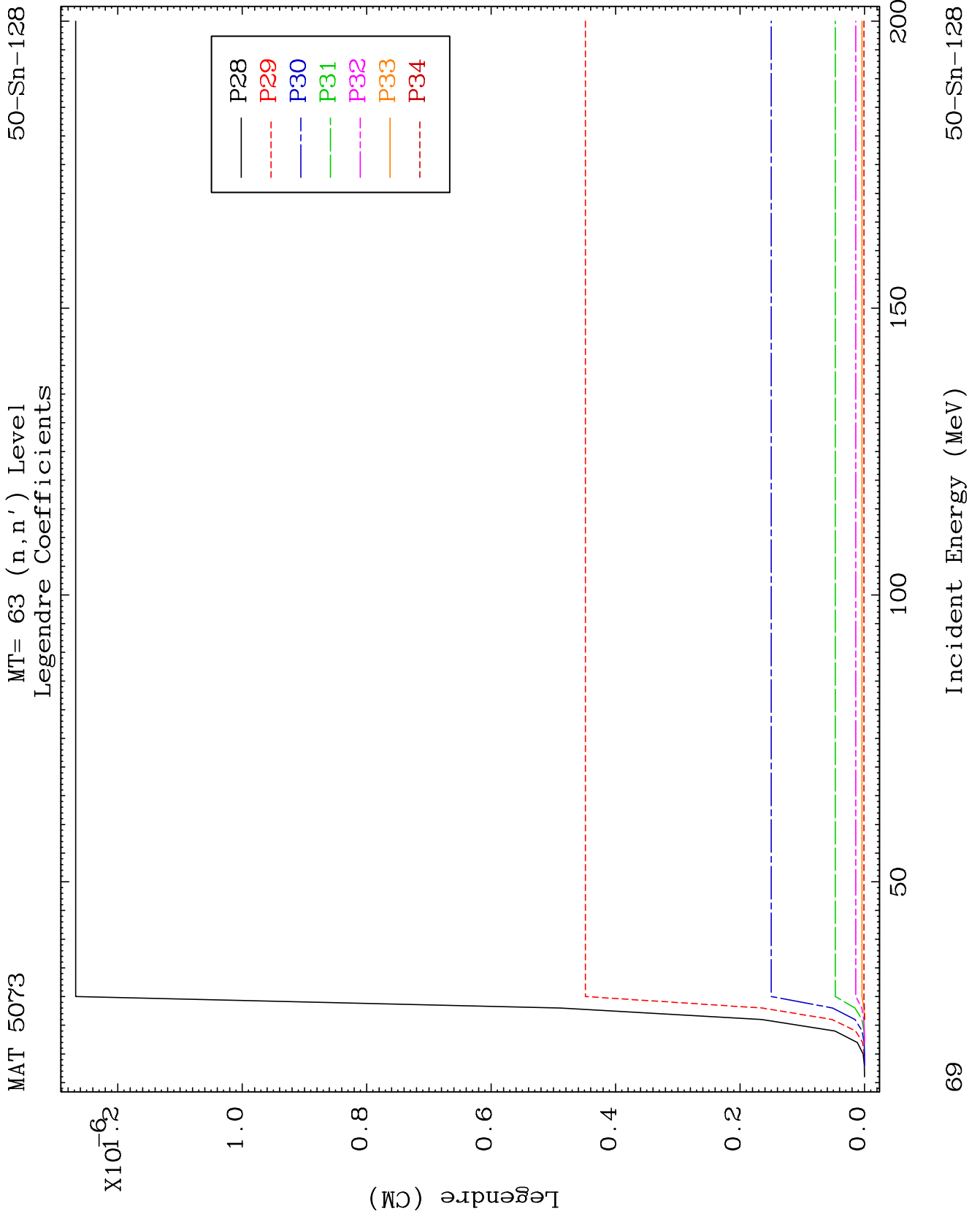


MAT 5073

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

50-Sn-128

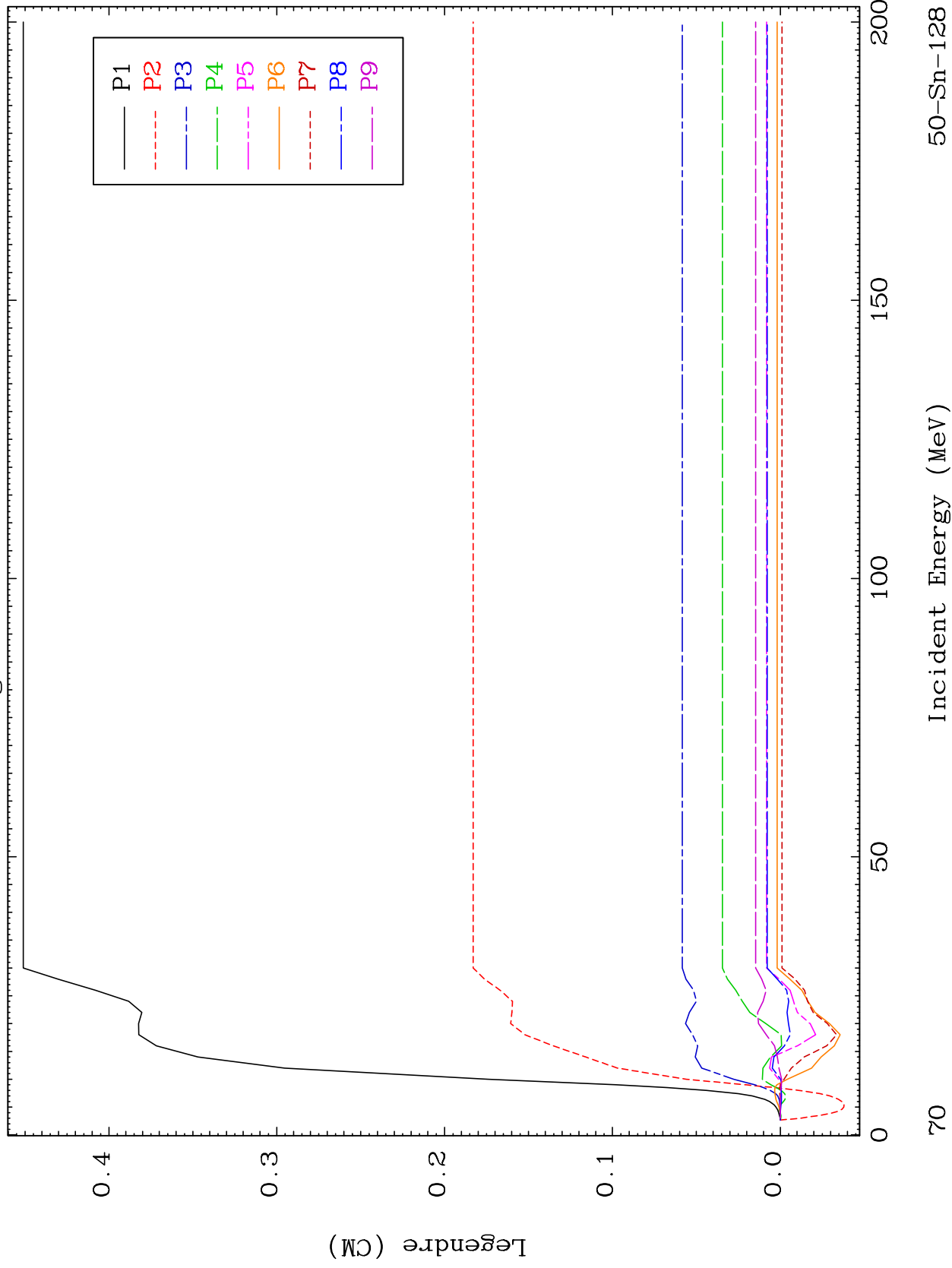




MAT 5073

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

50-Sn-128



50-Sn-128

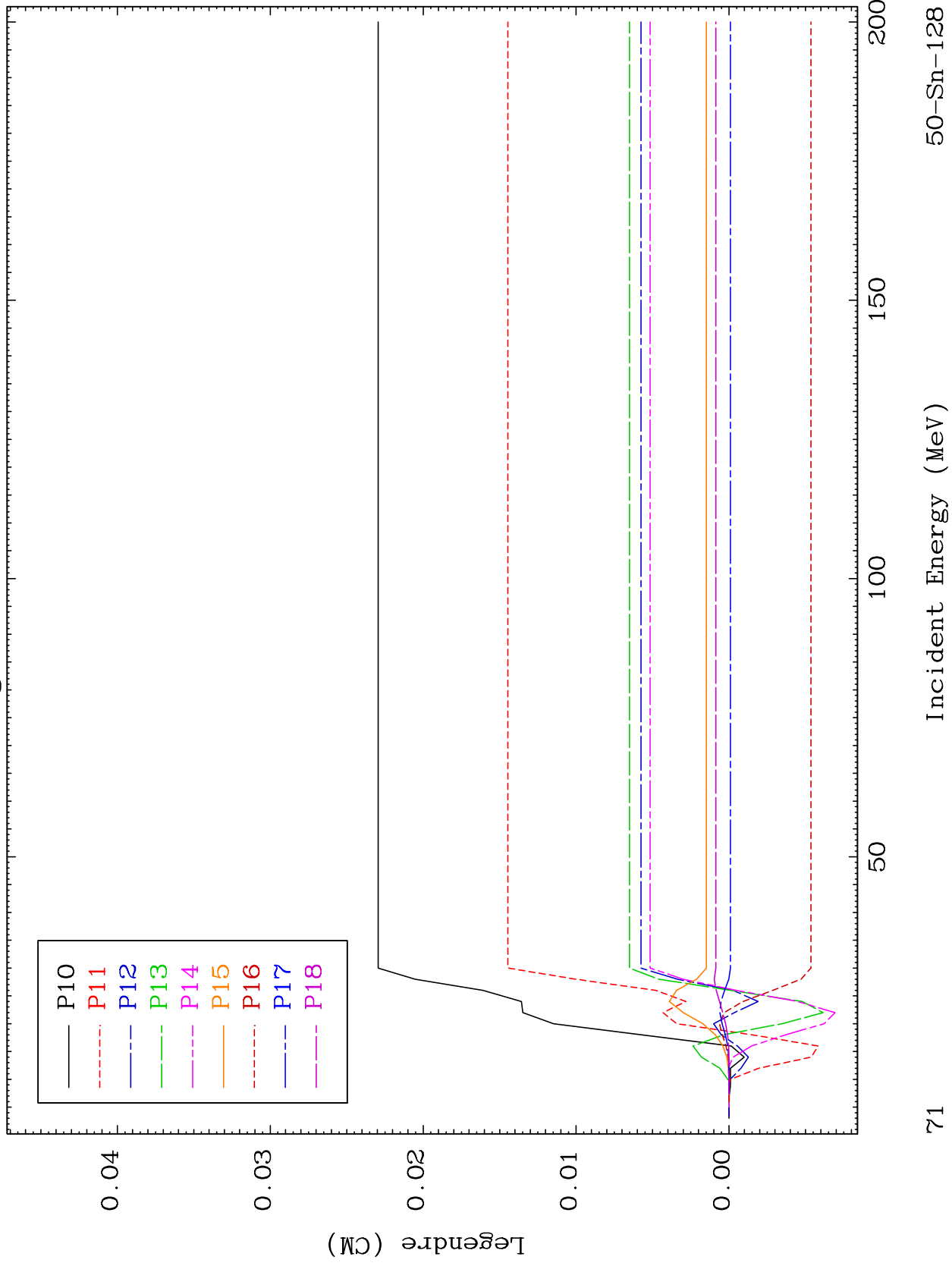
Incident Energy (MeV)

70

MAT 5073

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

50-Sn-128

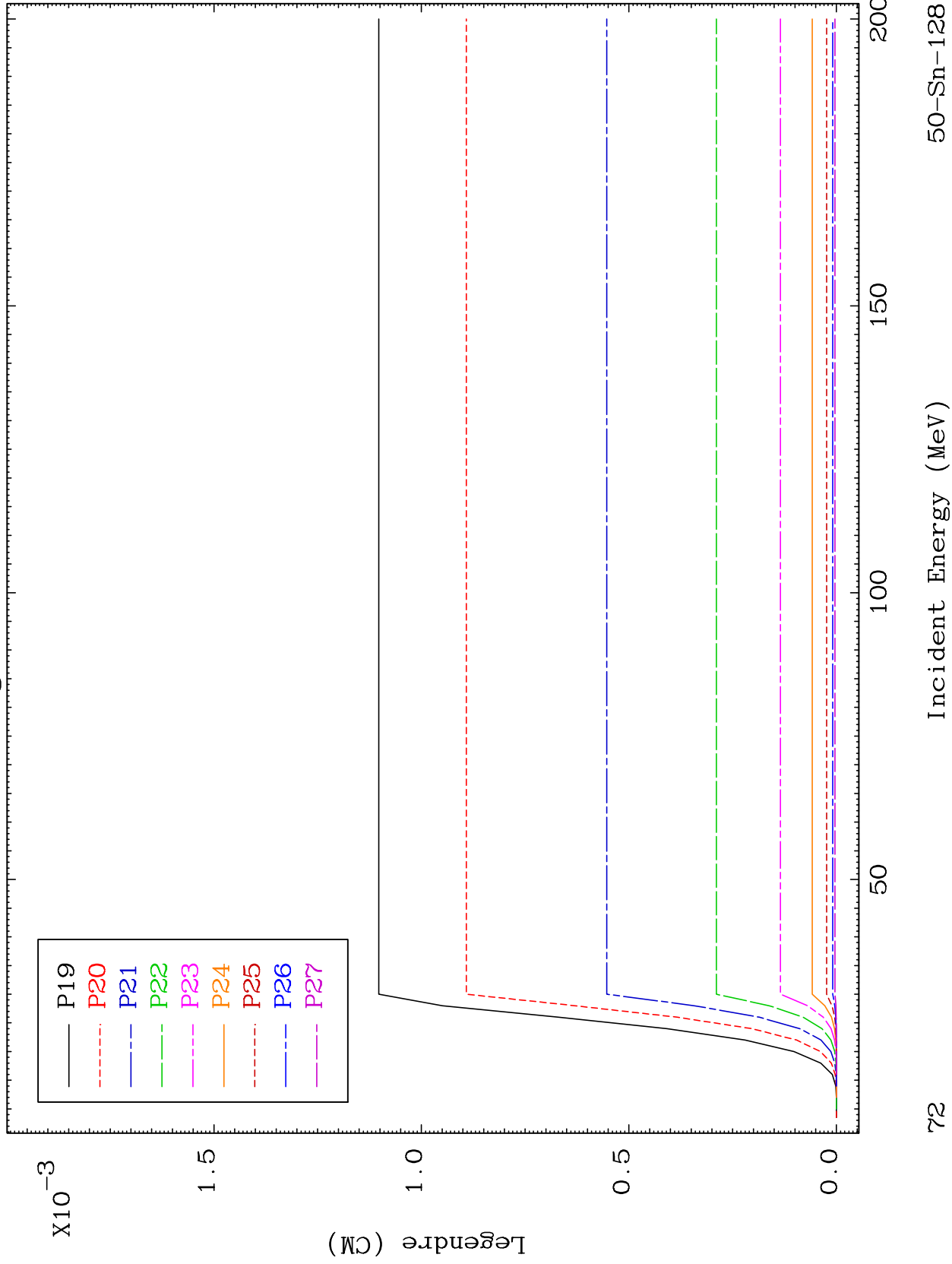




MAT 5073

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

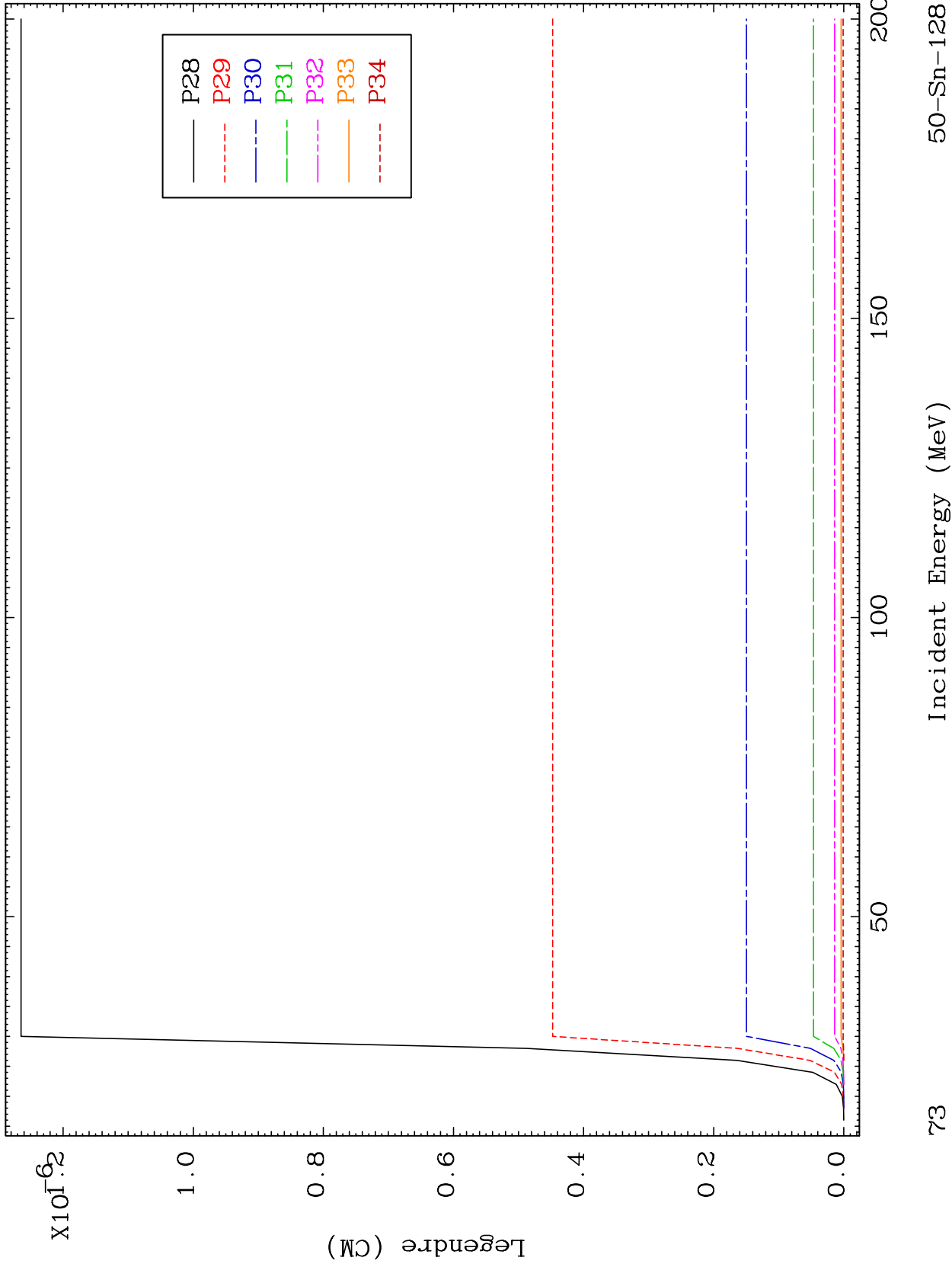
50-Sn-128



MAT 5073

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

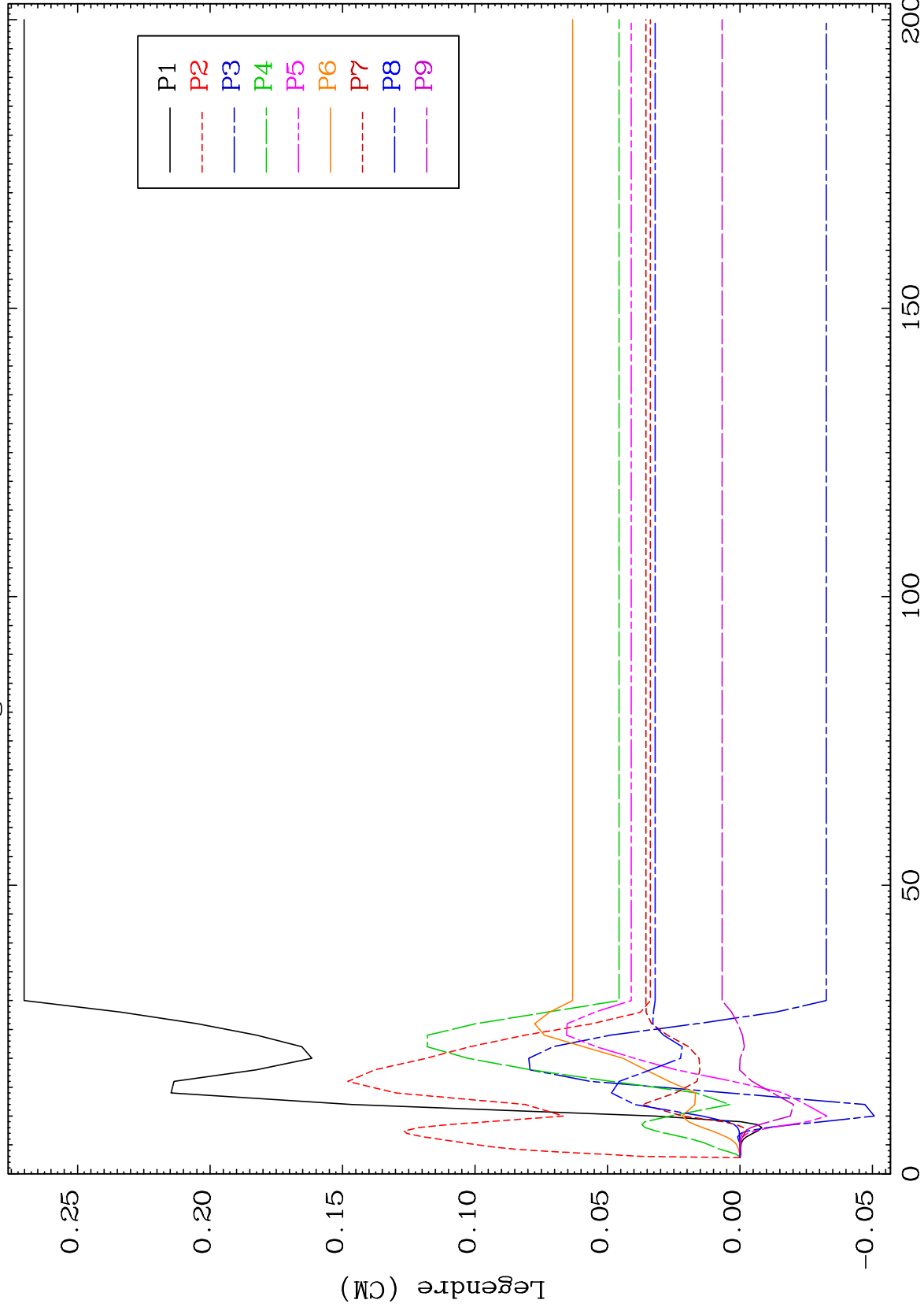
50-Sn-128



MAT 5073

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

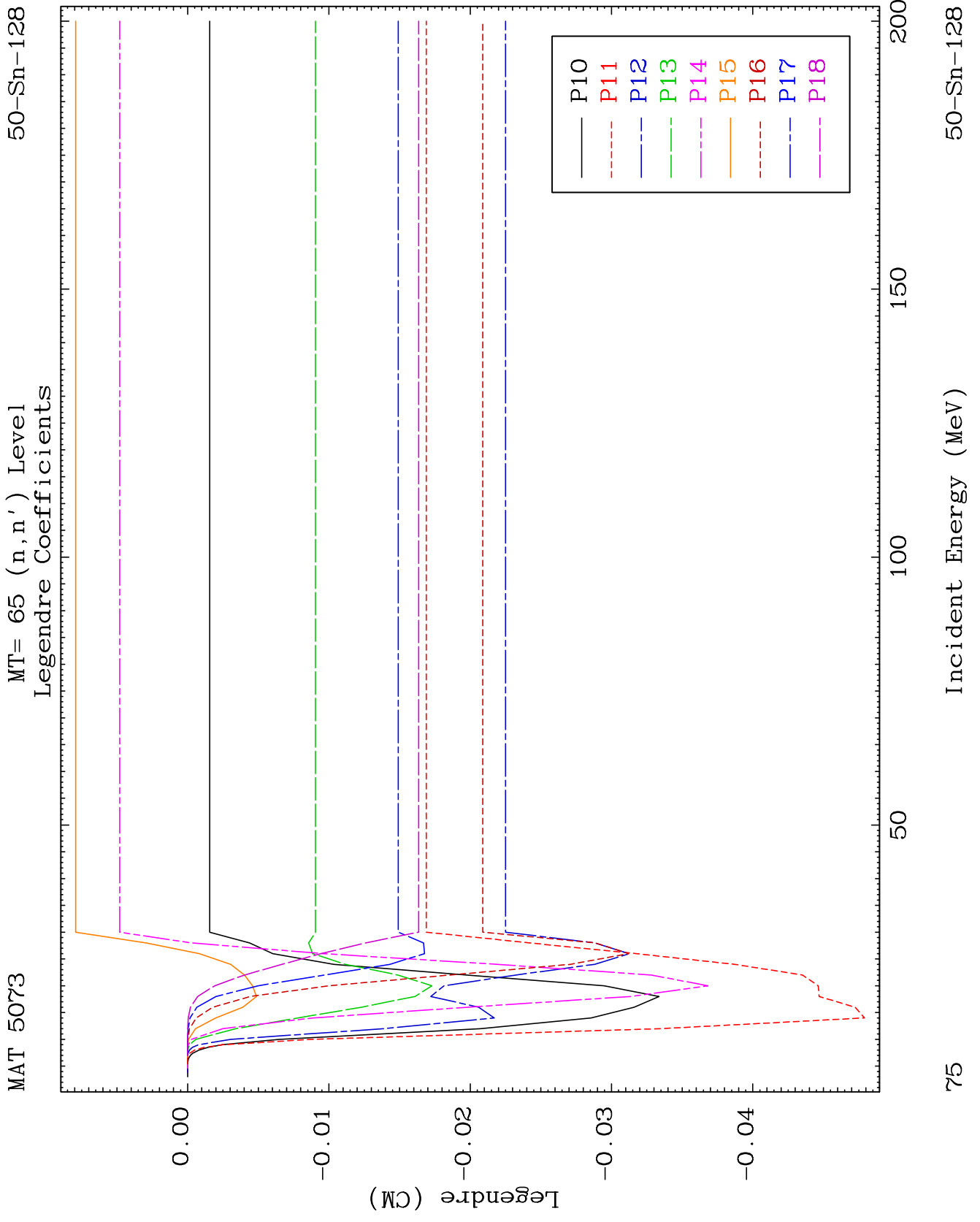
50-Sn-128

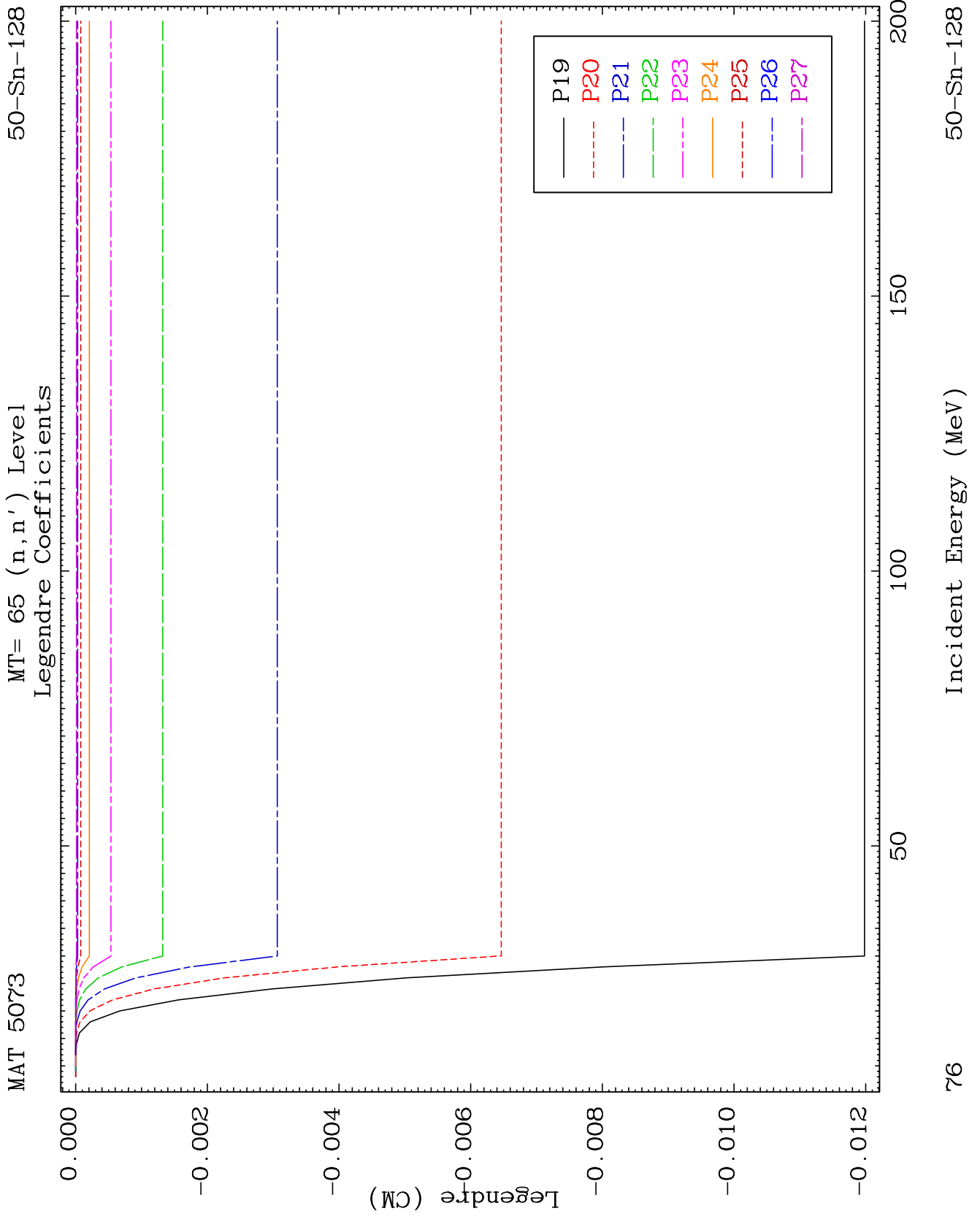


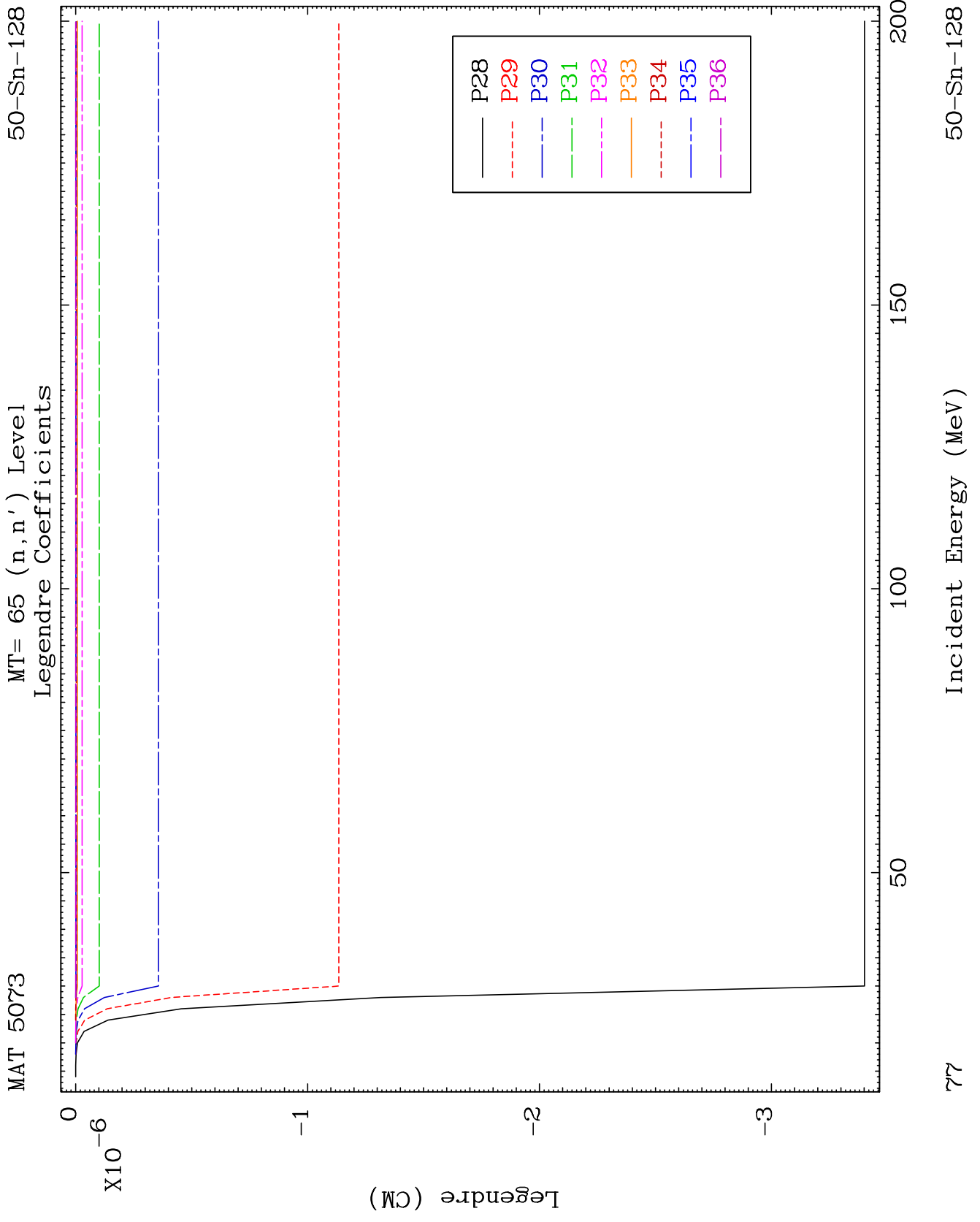
74

Incident Energy (MeV)

50-Sn-128



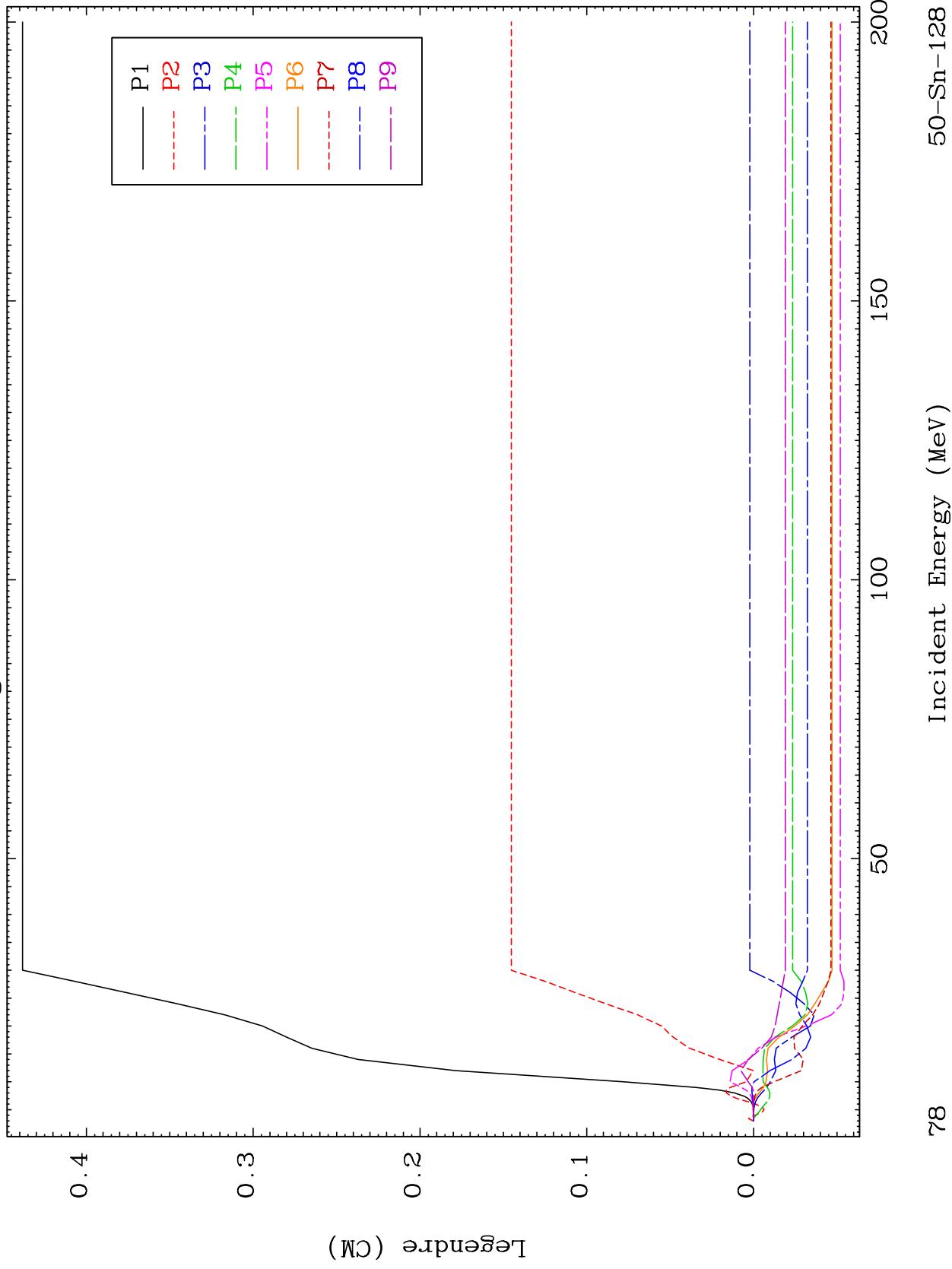




MAT 5073

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

50-Sn-128



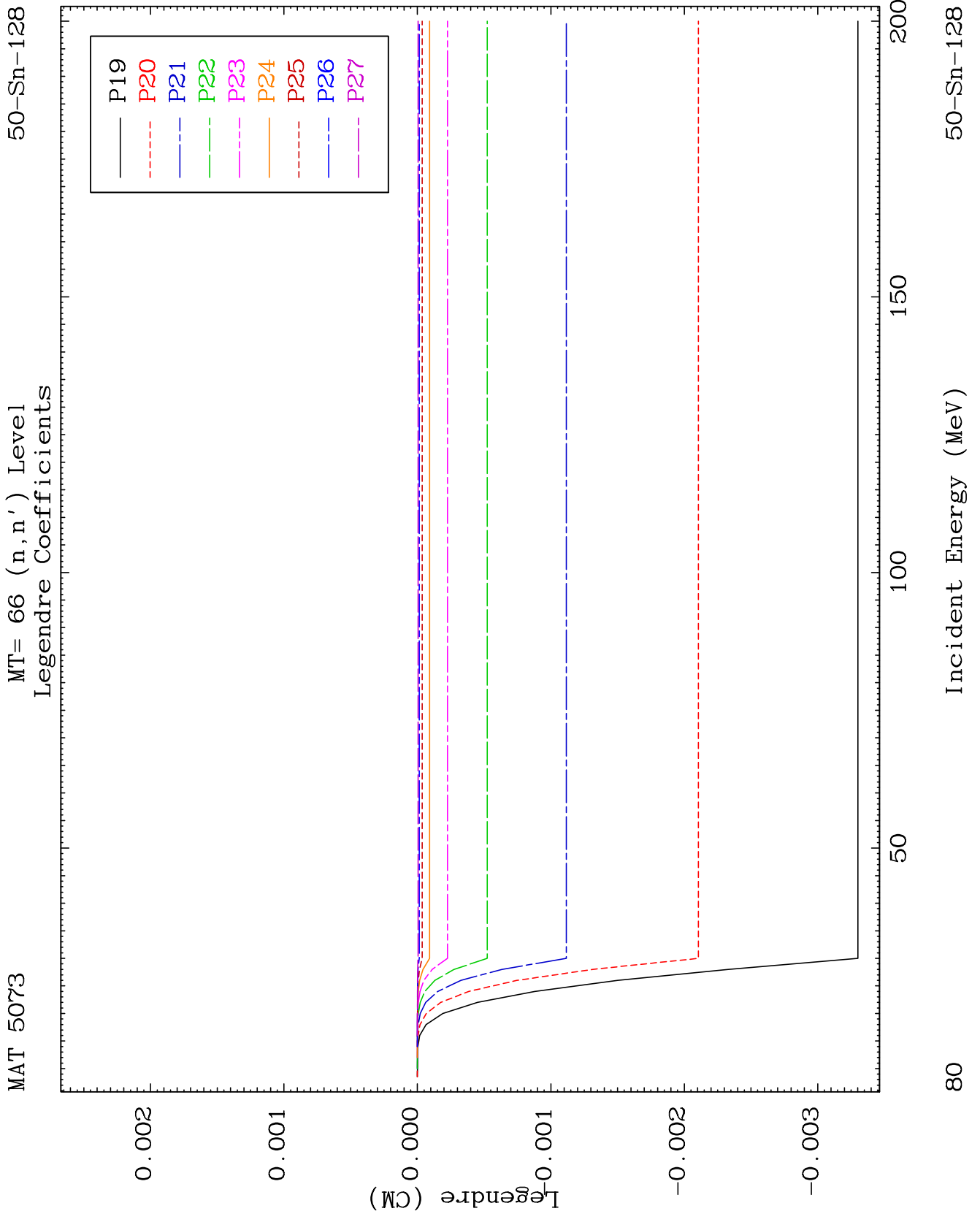
78

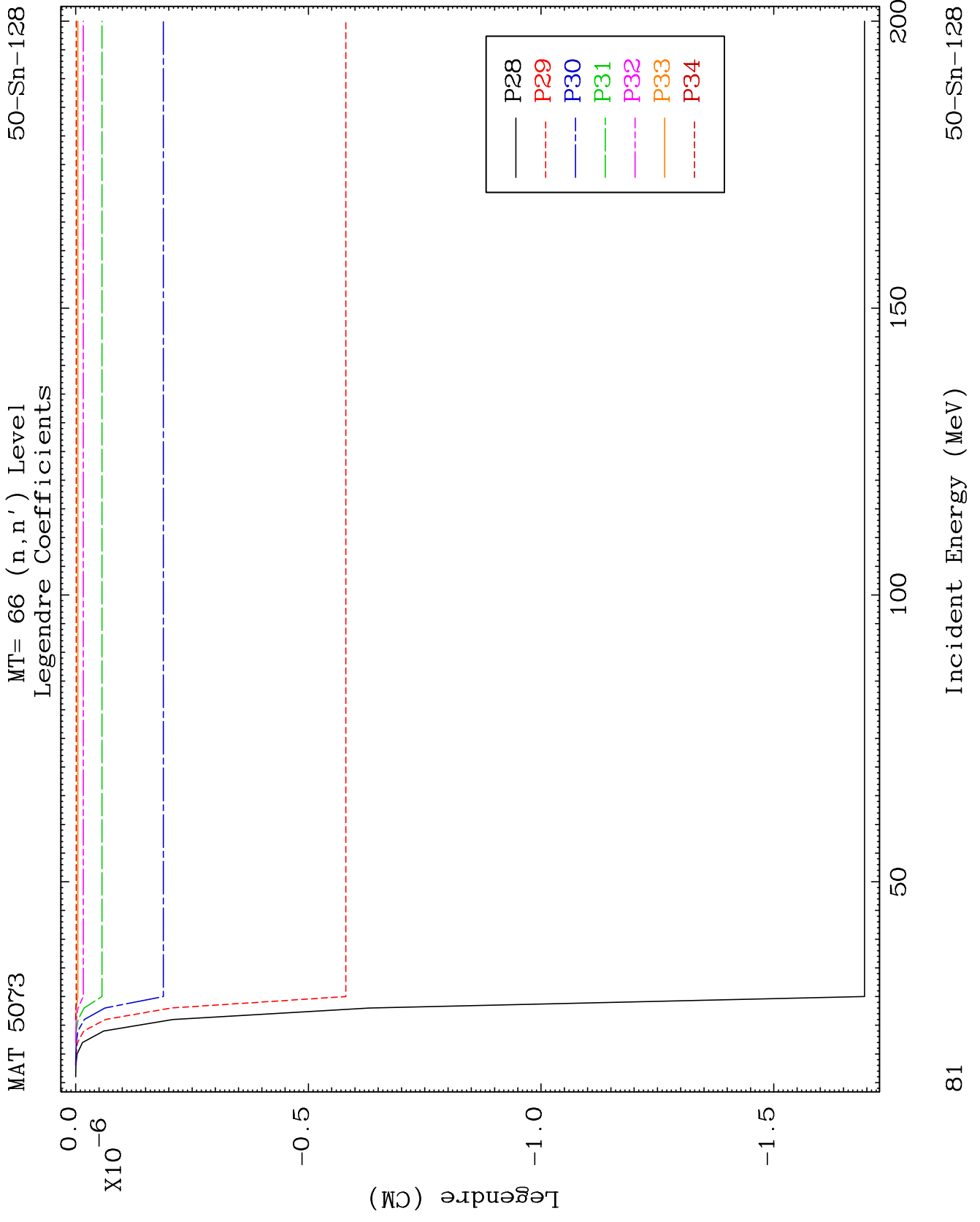
Incident Energy (MeV)

50-Sn-128





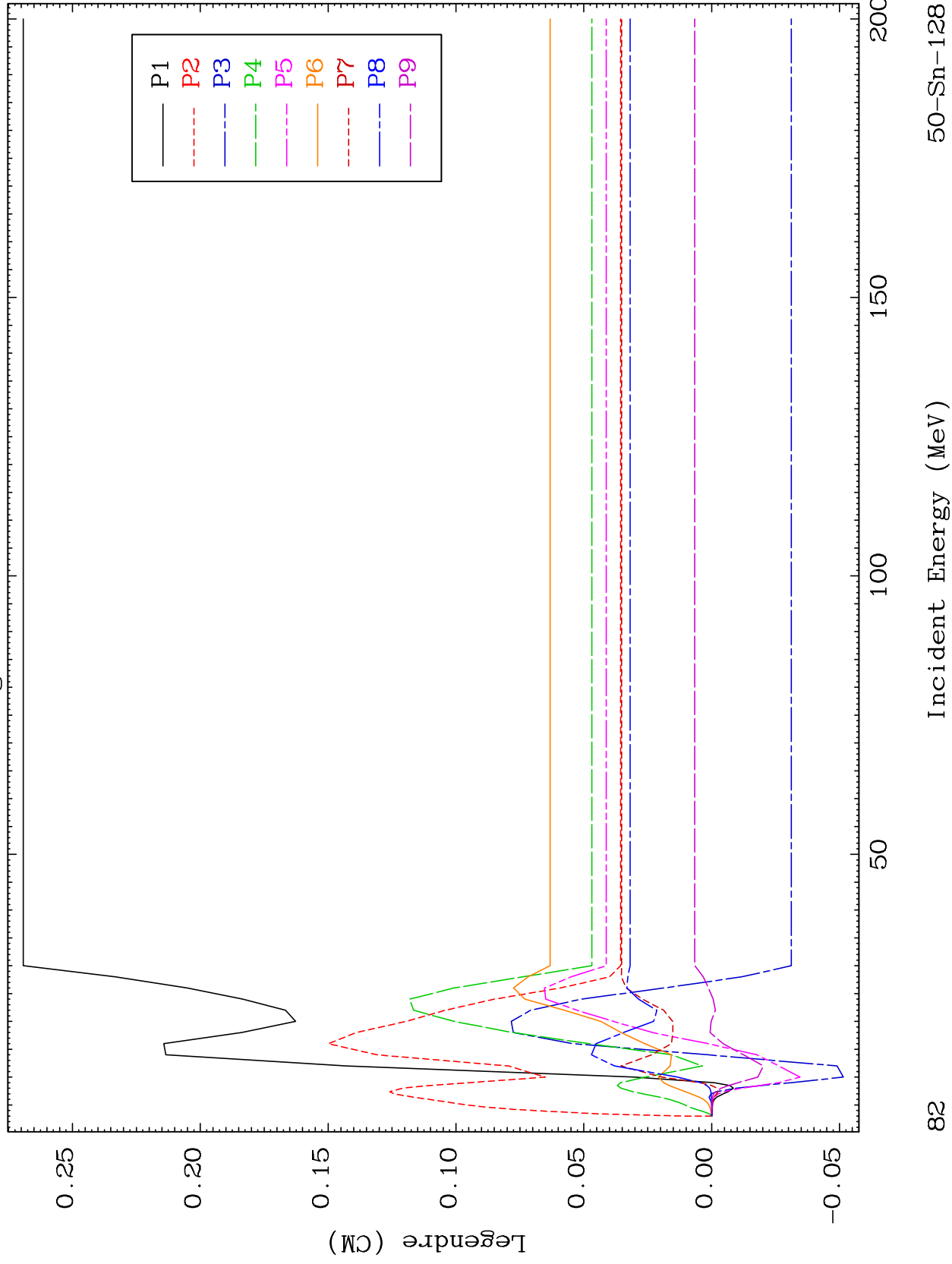




MAT 5073

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

50-Sn-128



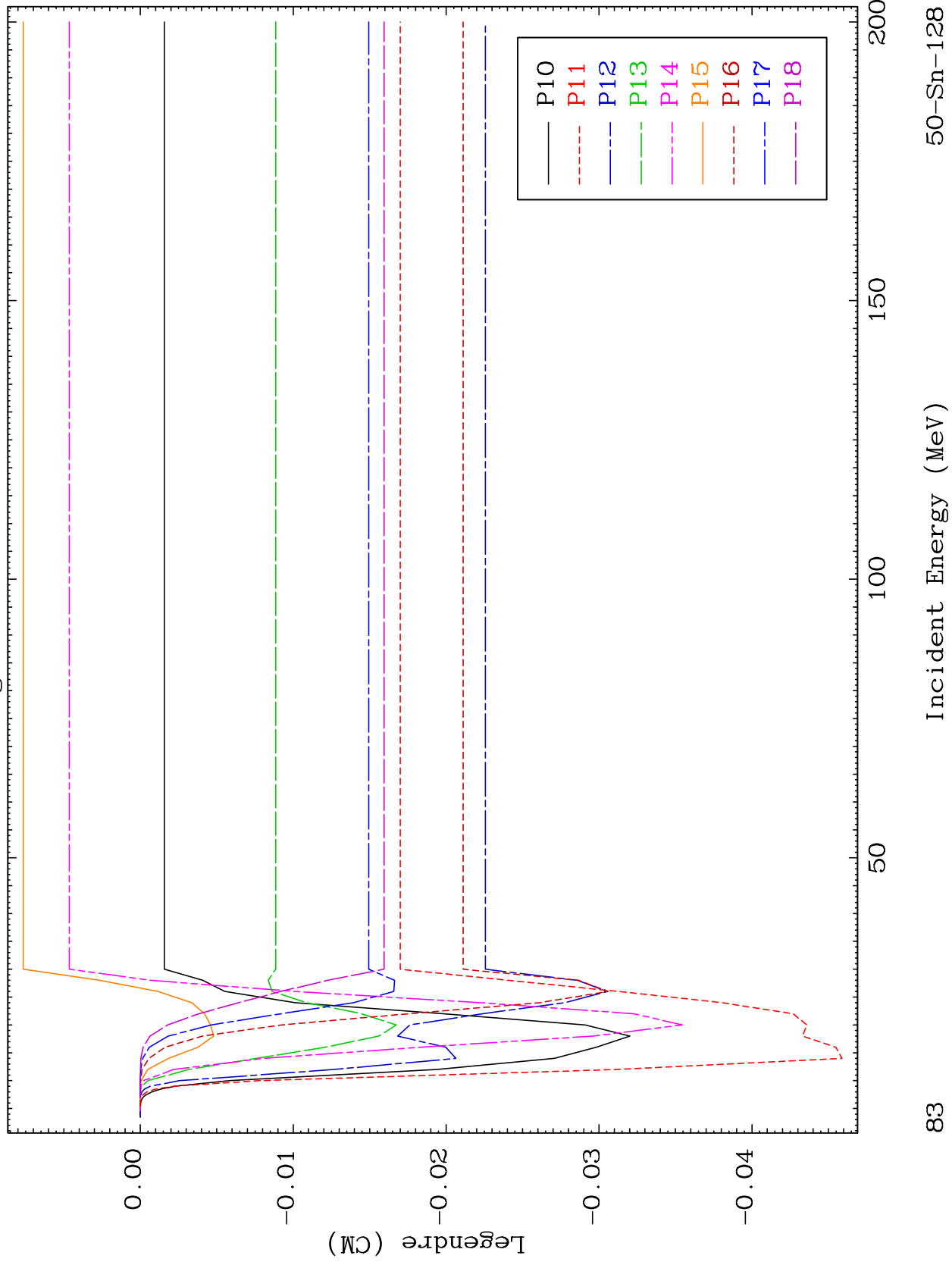
82

50-Sn-128

MAT 5073

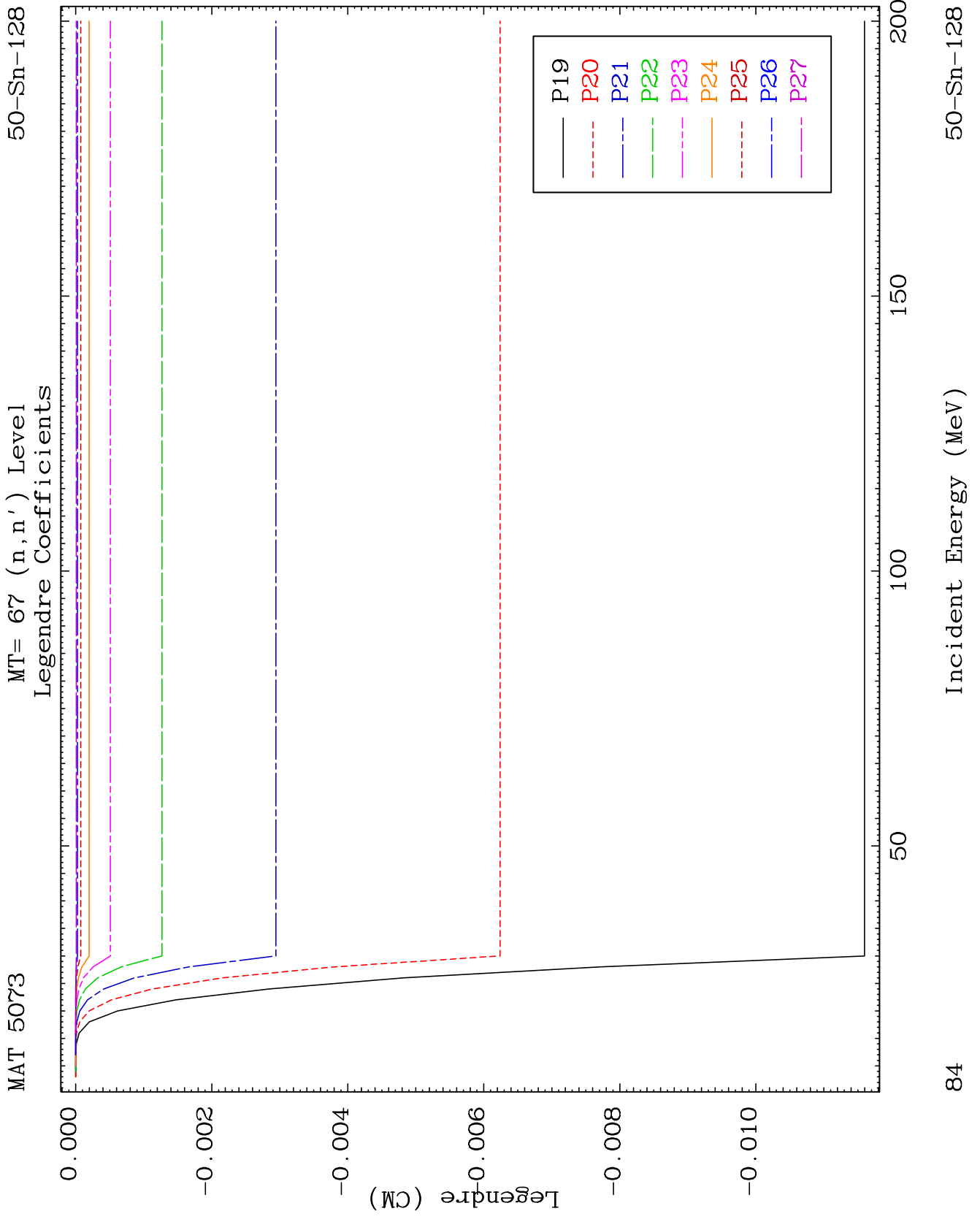
MT= 67 (n,n') Level  
Legendre Coefficients

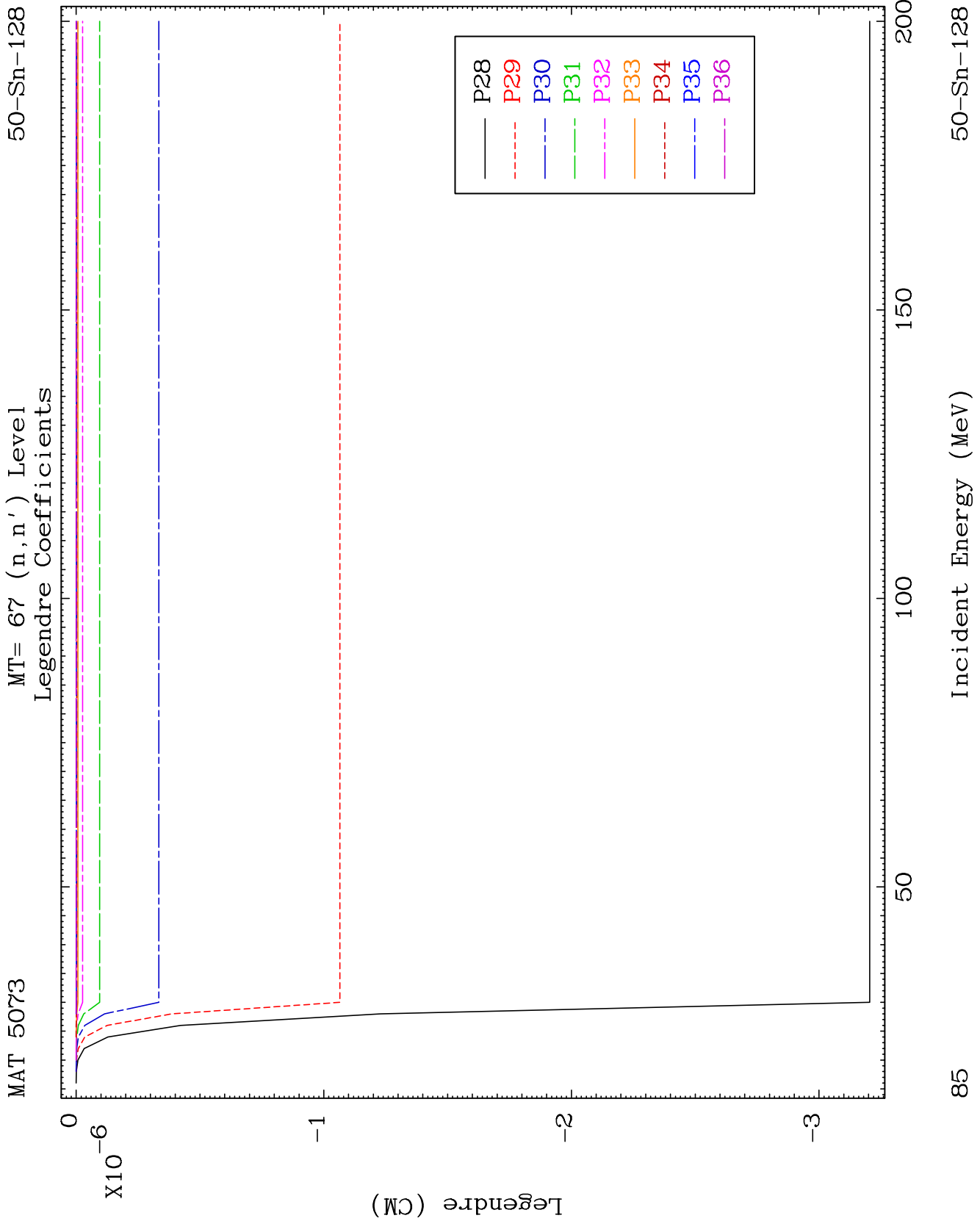
50-Sn-128



83

50-Sn-128

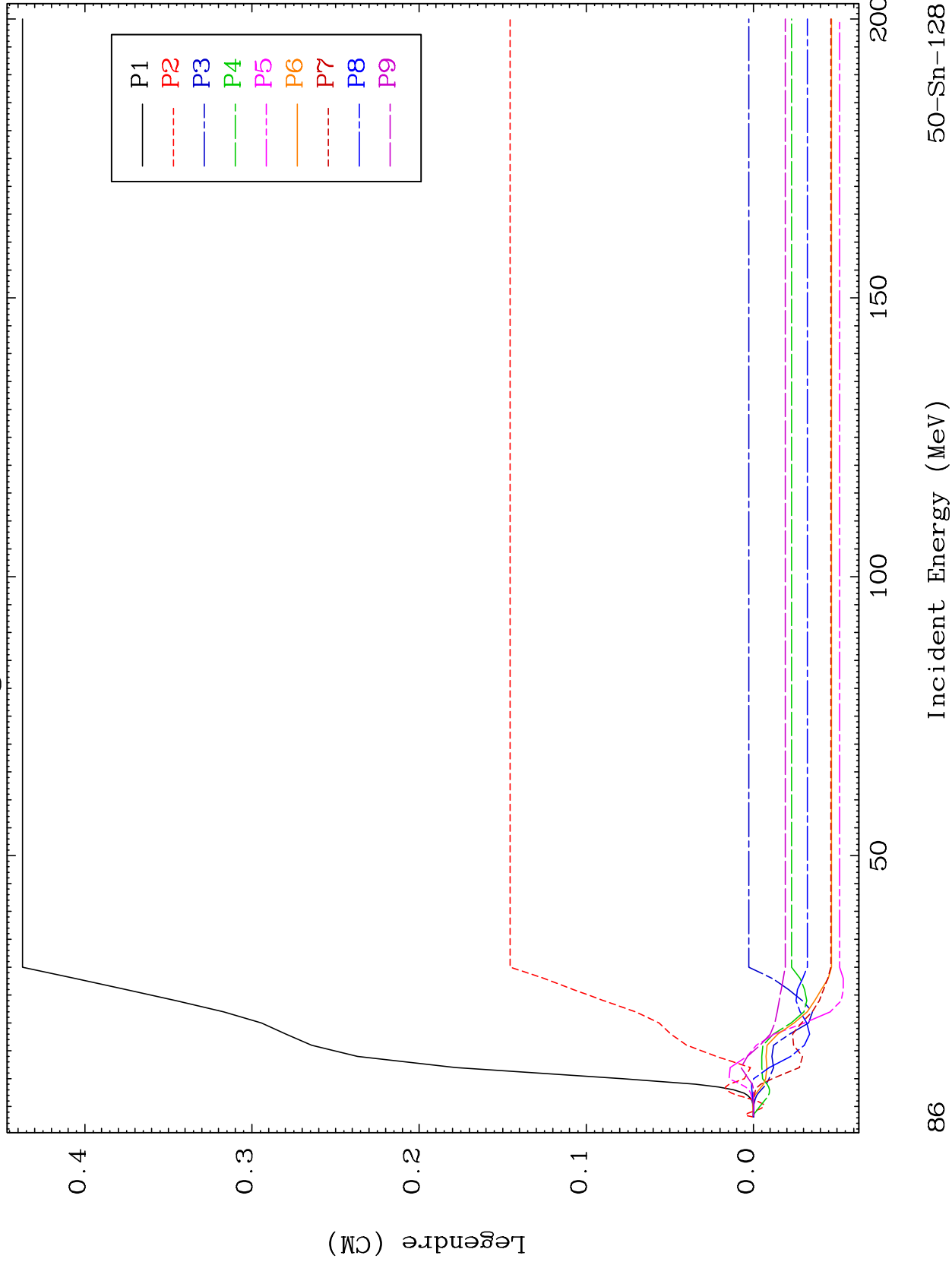




MAT 5073

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

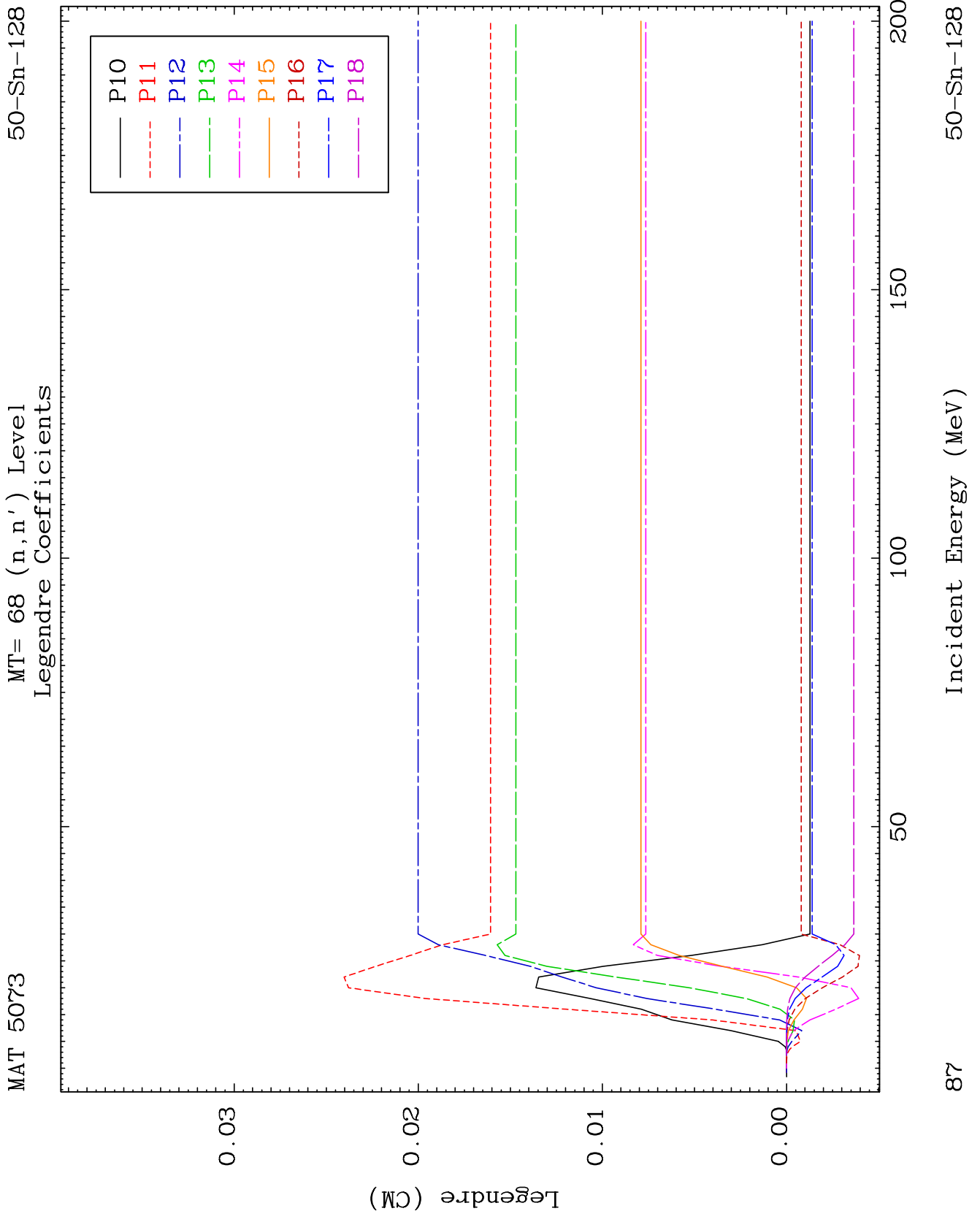
50-Sn-128



86

Incident Energy (MeV)

50-Sn-128

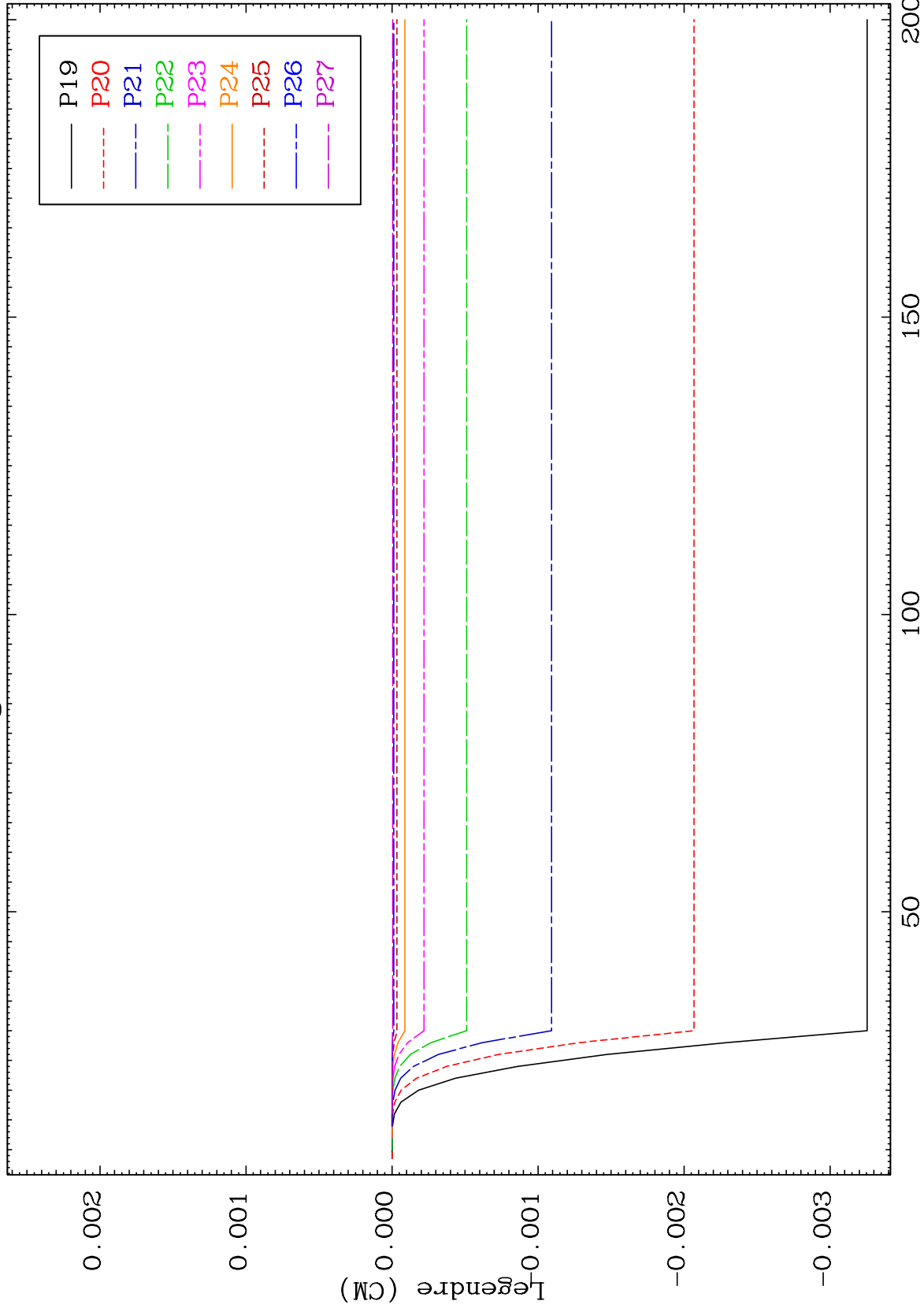


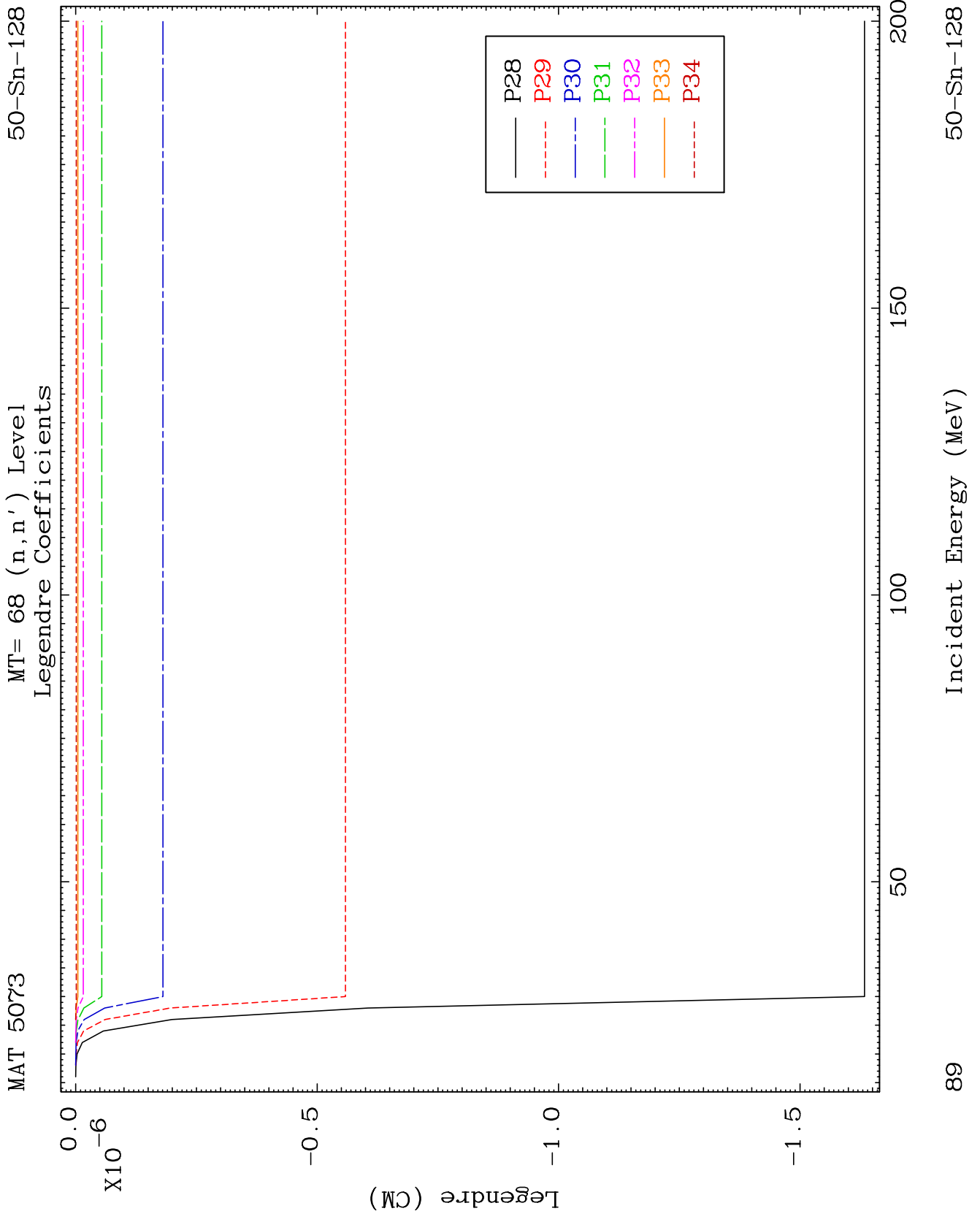


MAT 5073

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

50-Sn-128

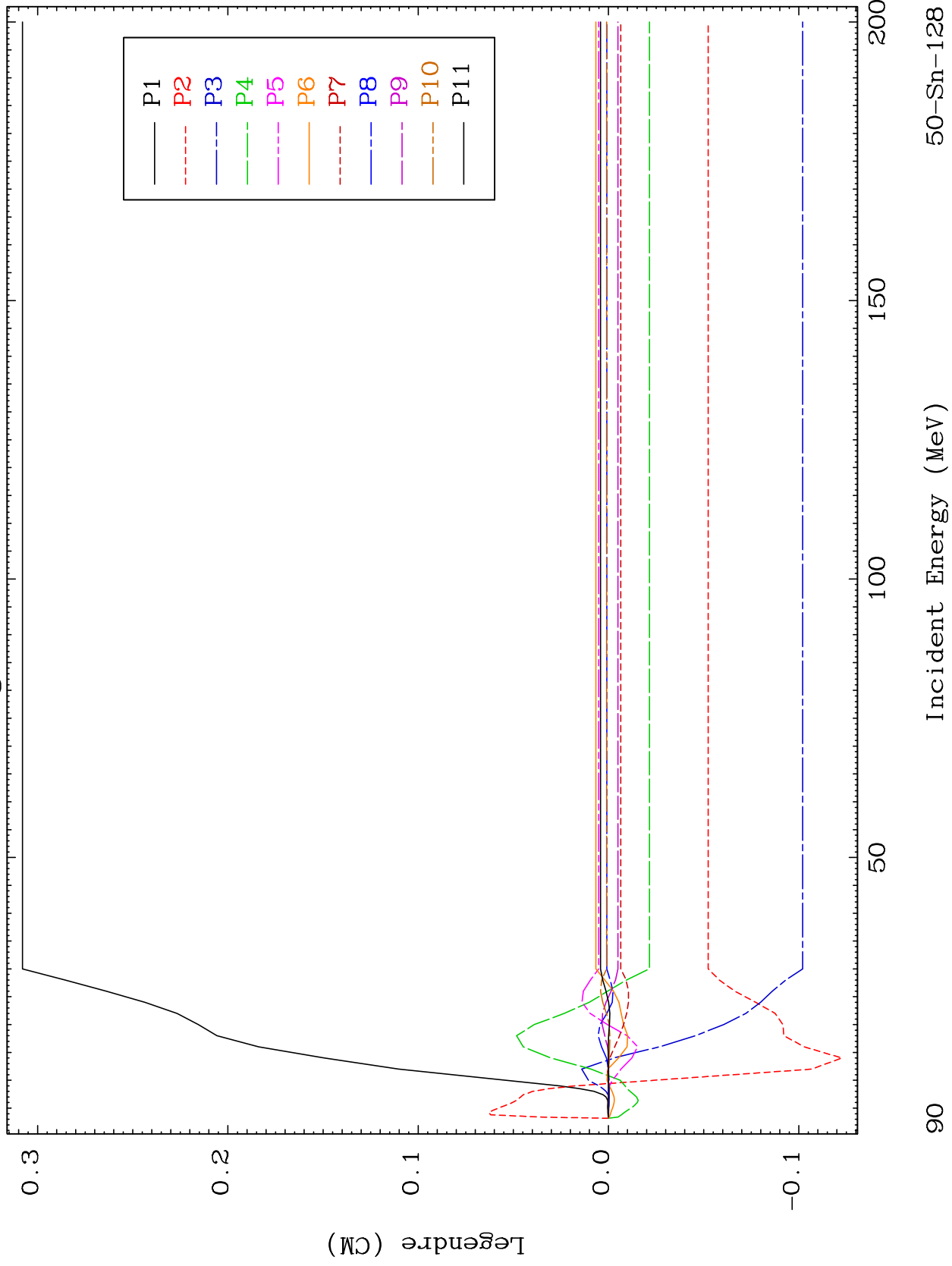




MAT 5073

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

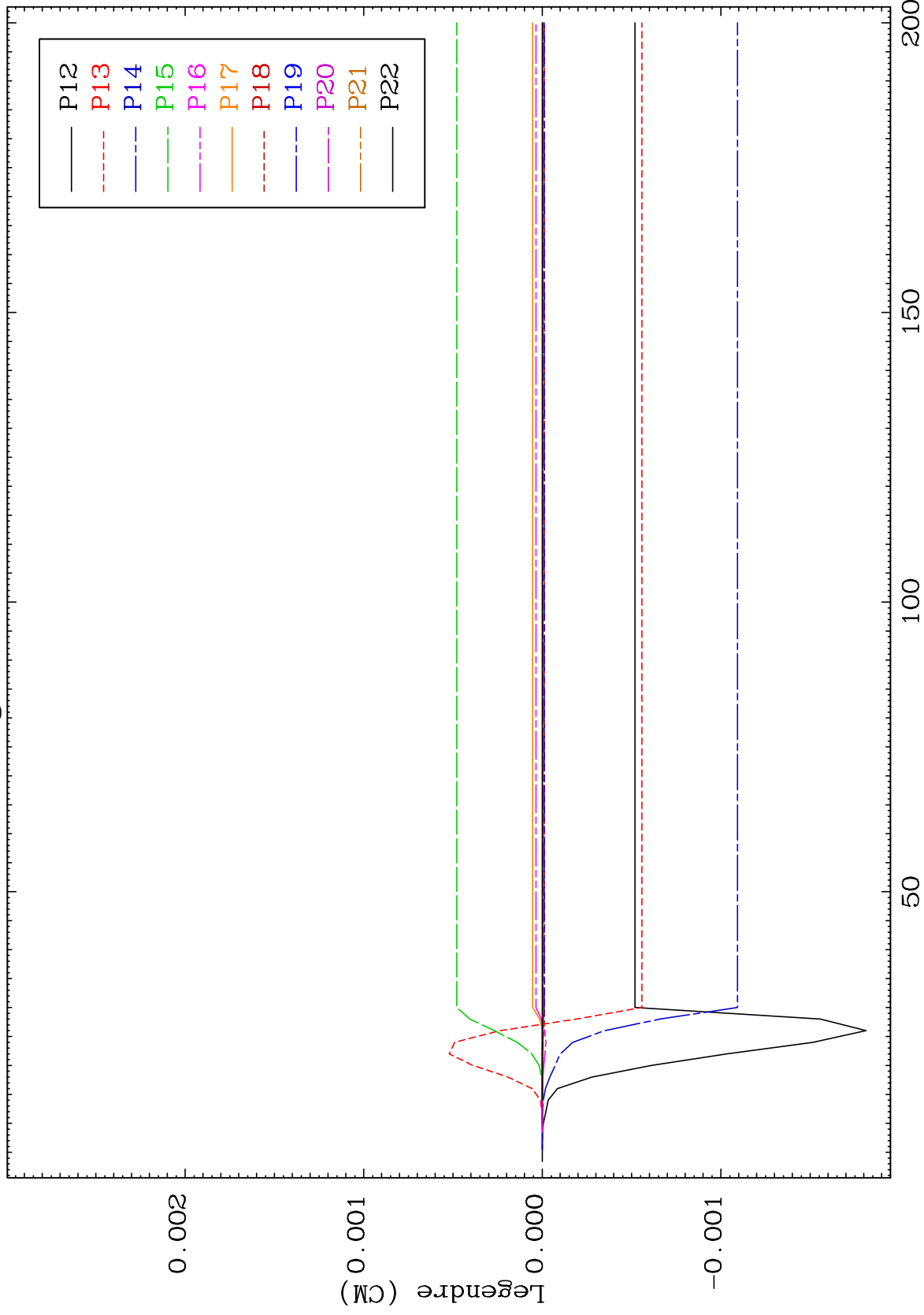
50-Sn-128



MAT 5073

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

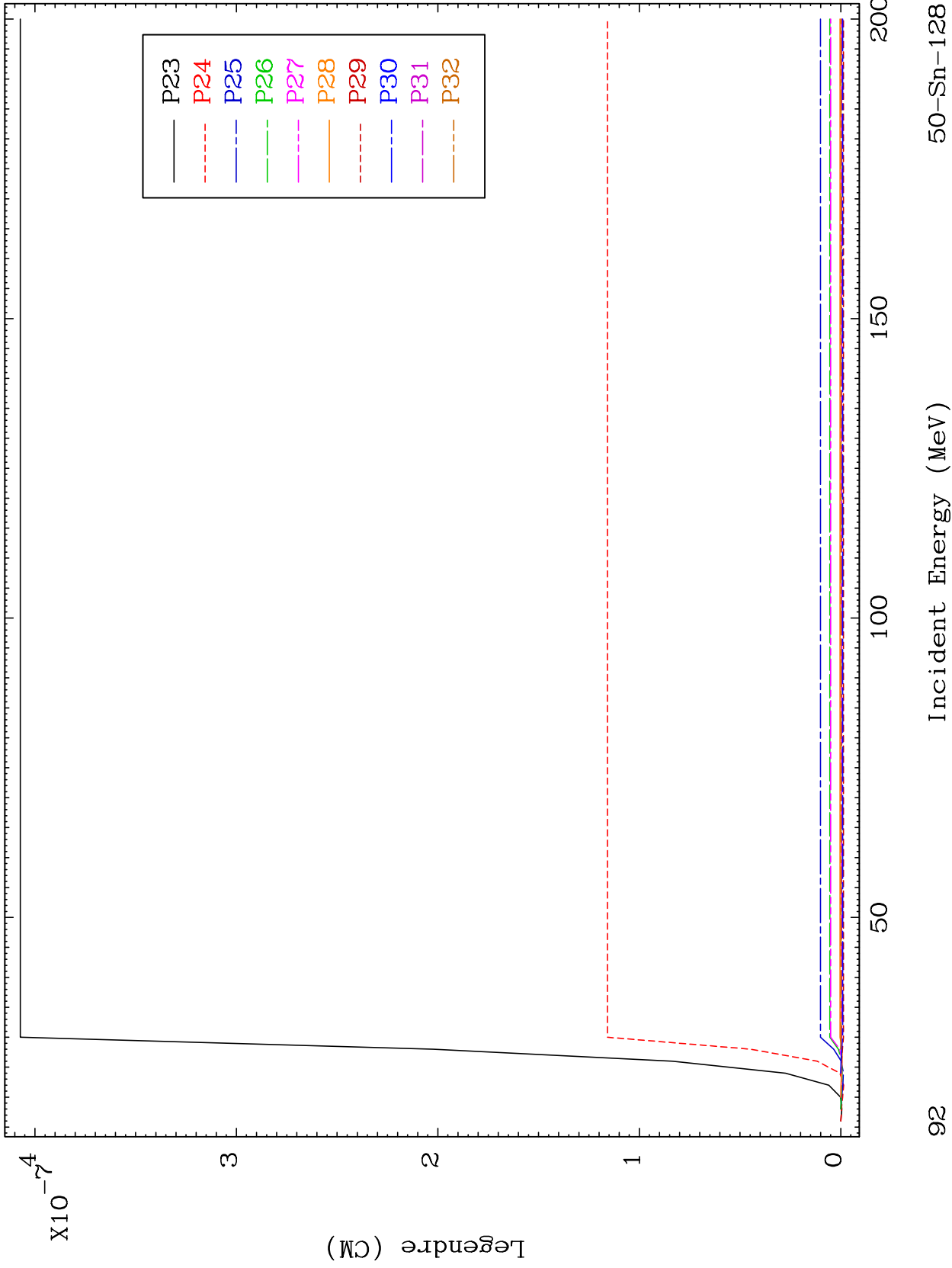
50-Sn-128

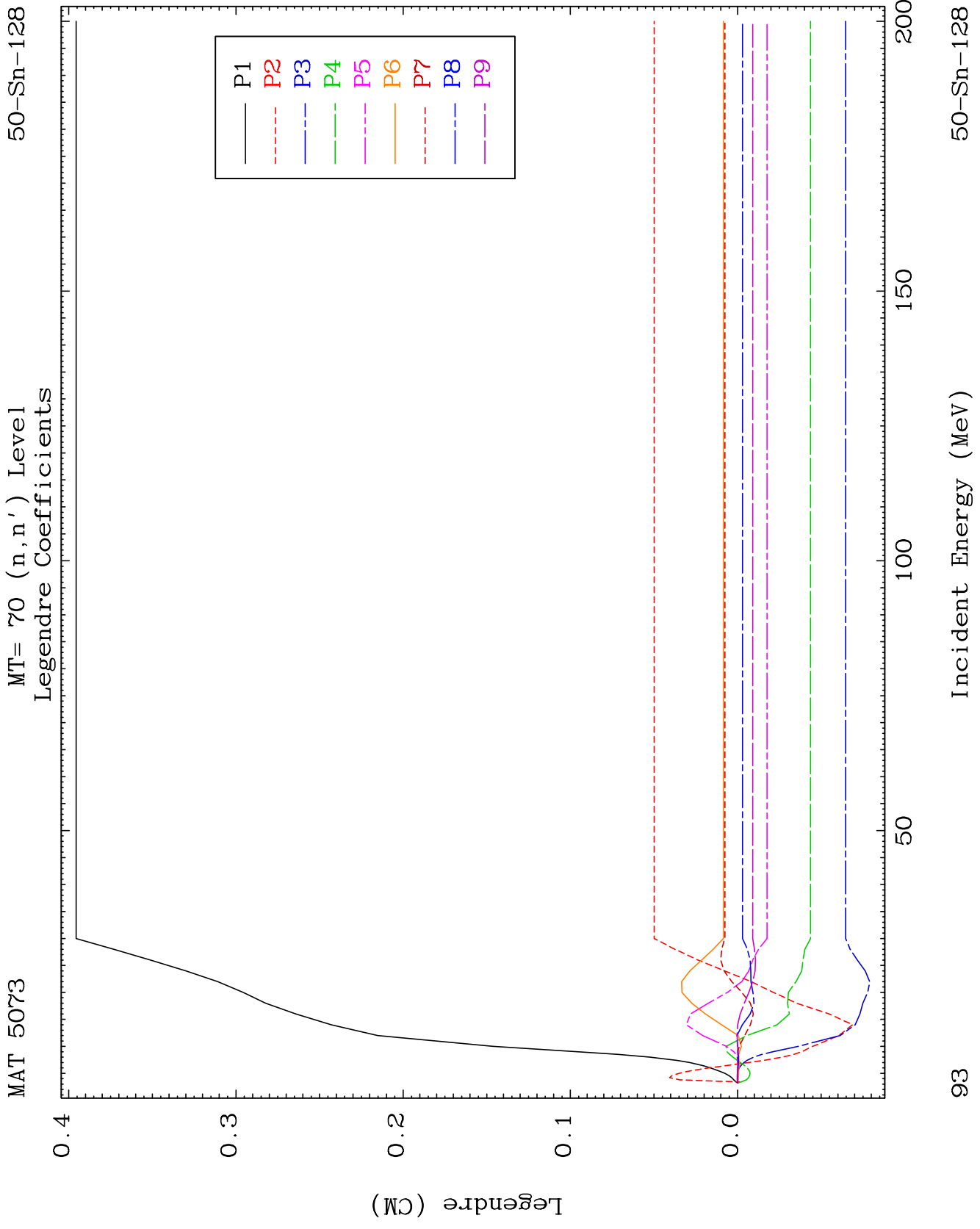


MAT 5073

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

50-Sn-128

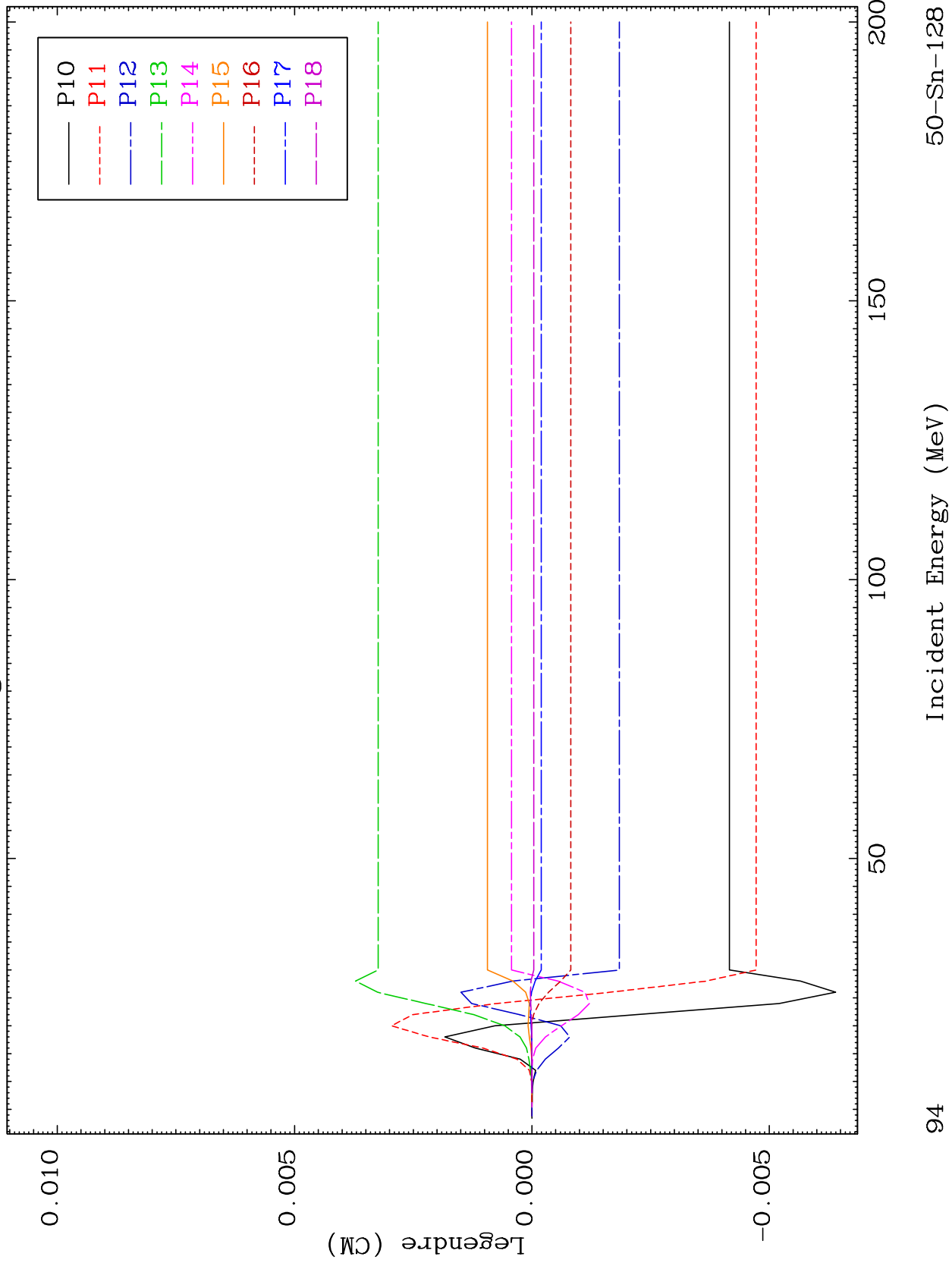




MAT 5073

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

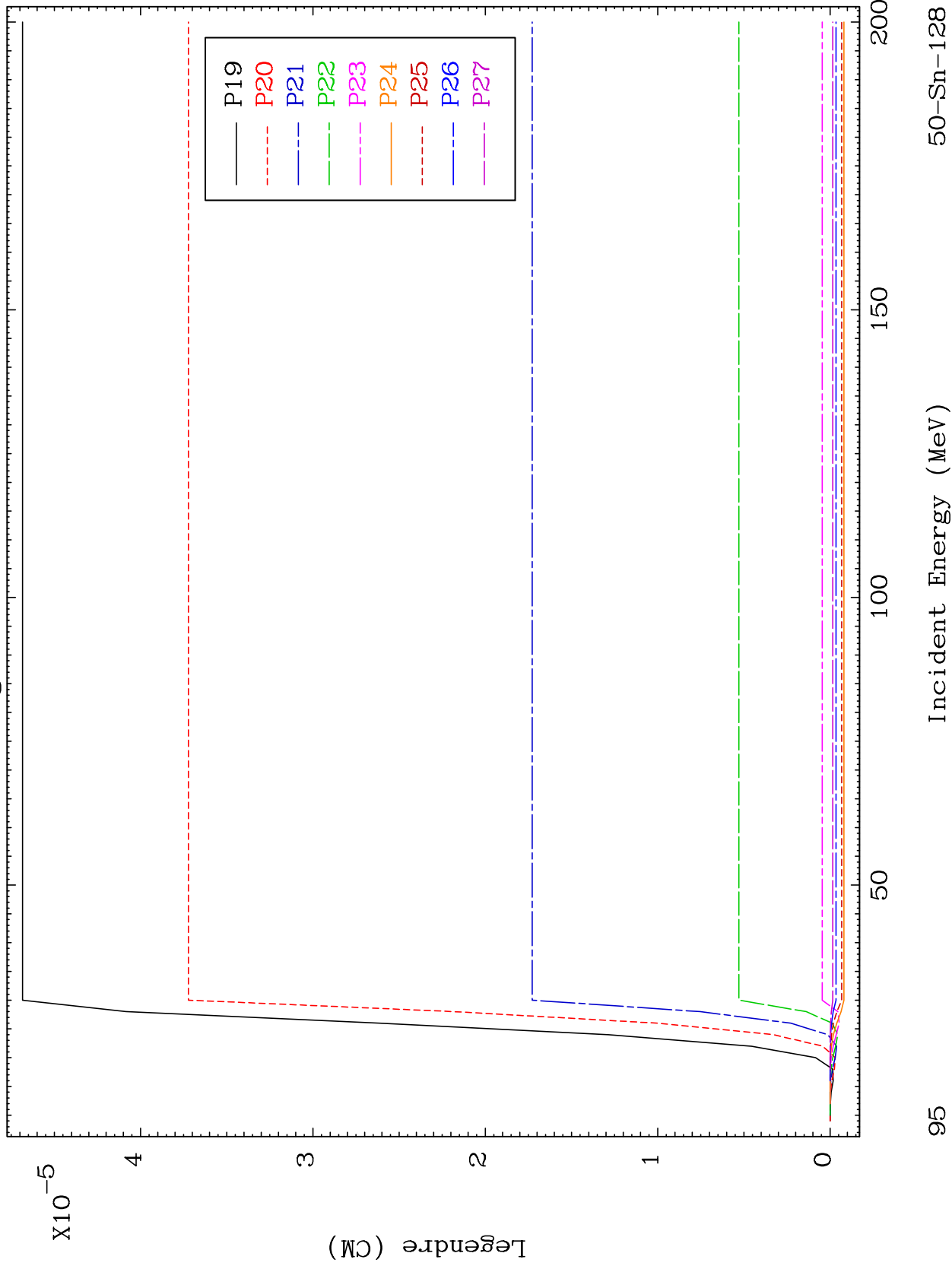
50-Sn-128



MAT 5073

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

50-Sn-128

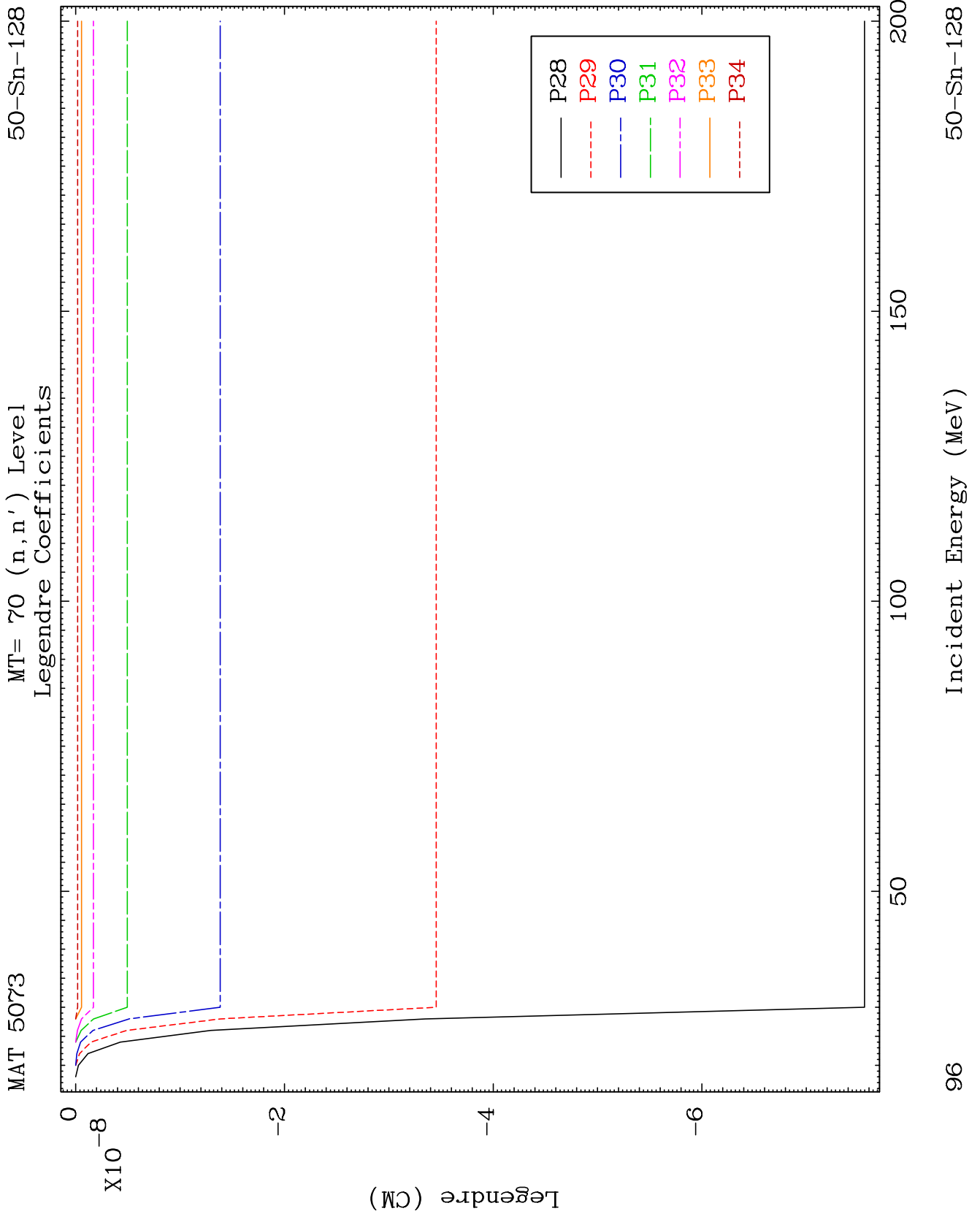


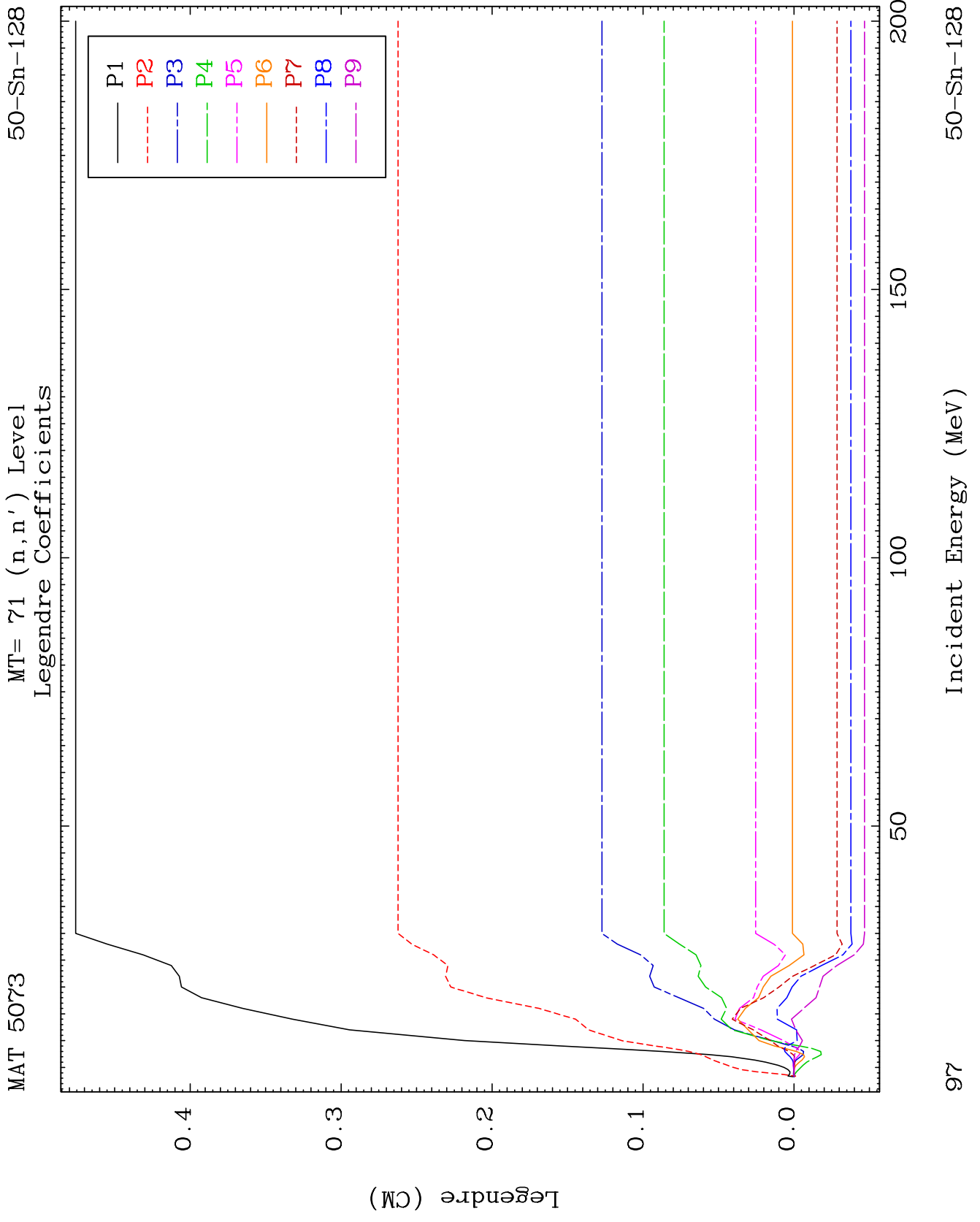
95

Incident Energy (MeV)

50-Sn-128



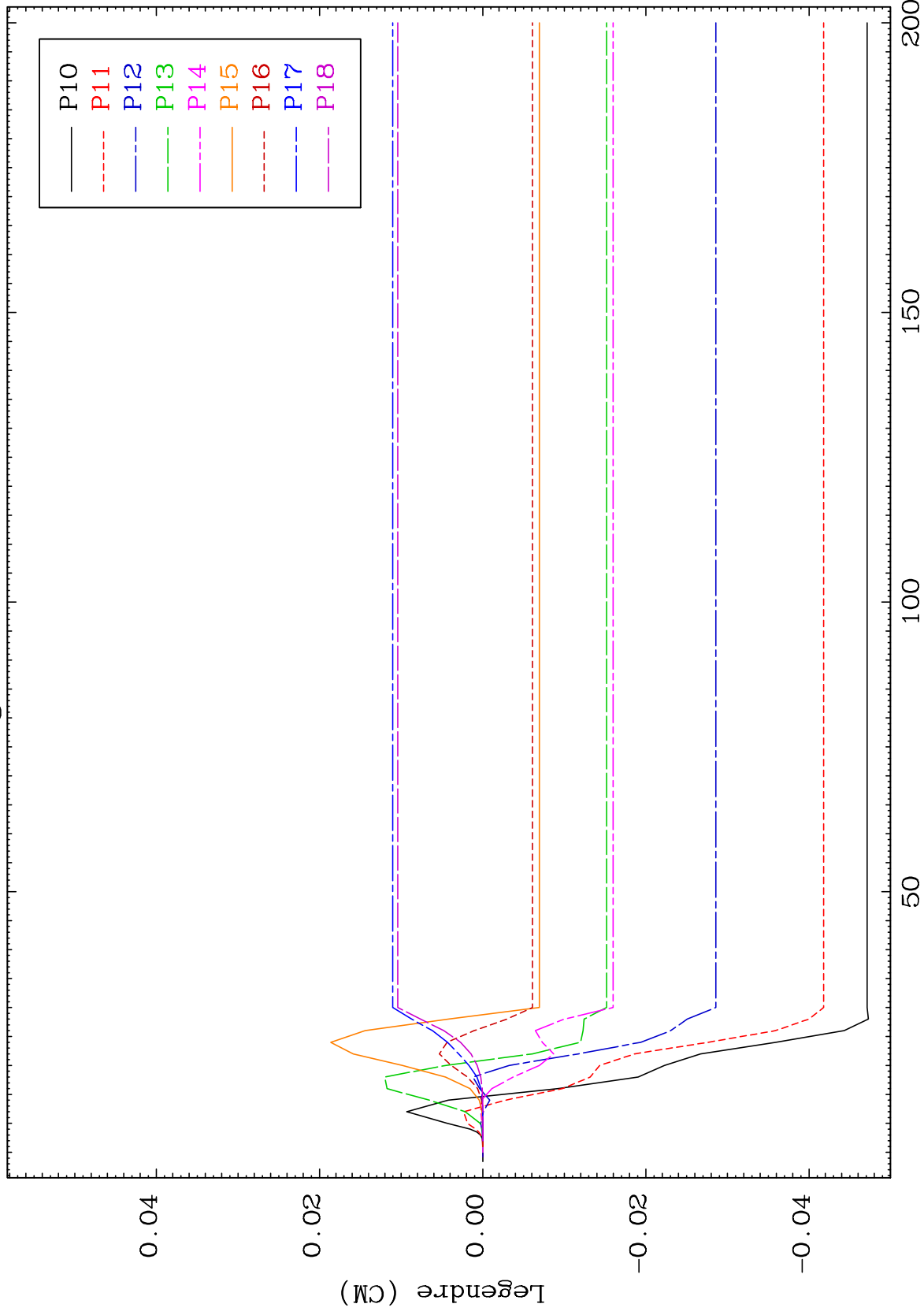




MAT 5073

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

50-Sn-128



98

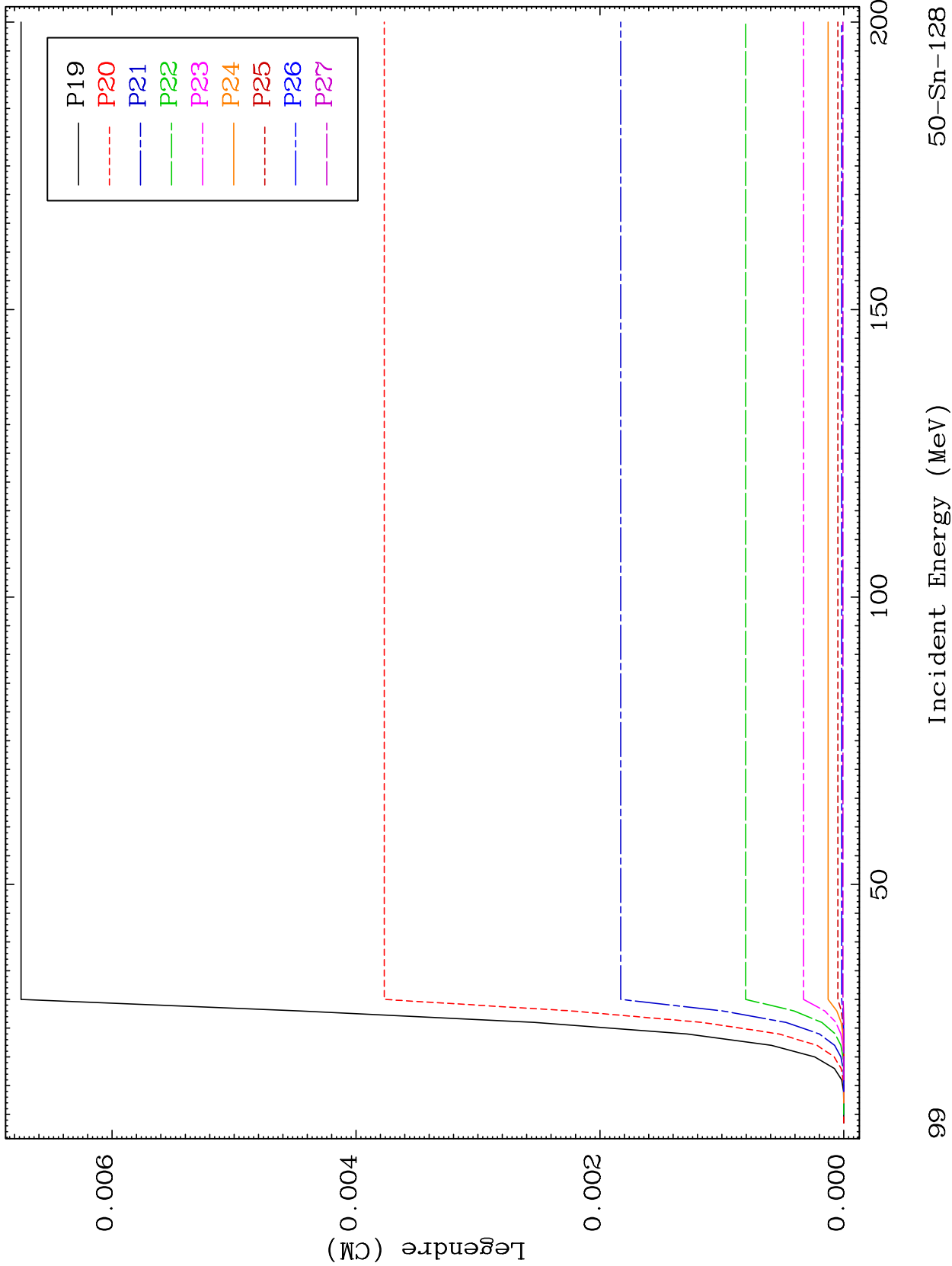
Incident Energy (MeV)

50-Sn-128

MAT 5073

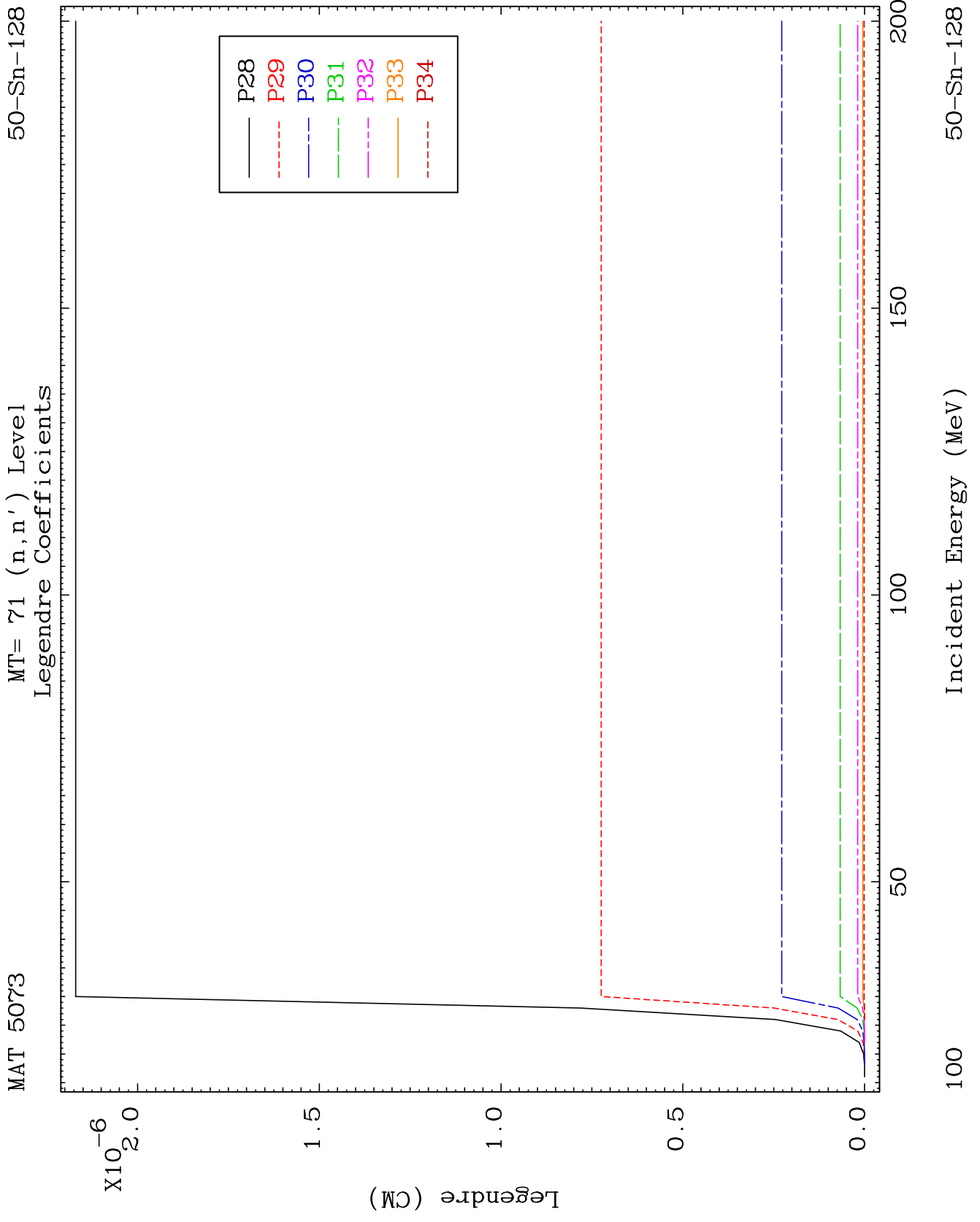
MT= 71 (n,n') Level  
Legendre Coefficients

50-Sn-128



99

50-Sn-128

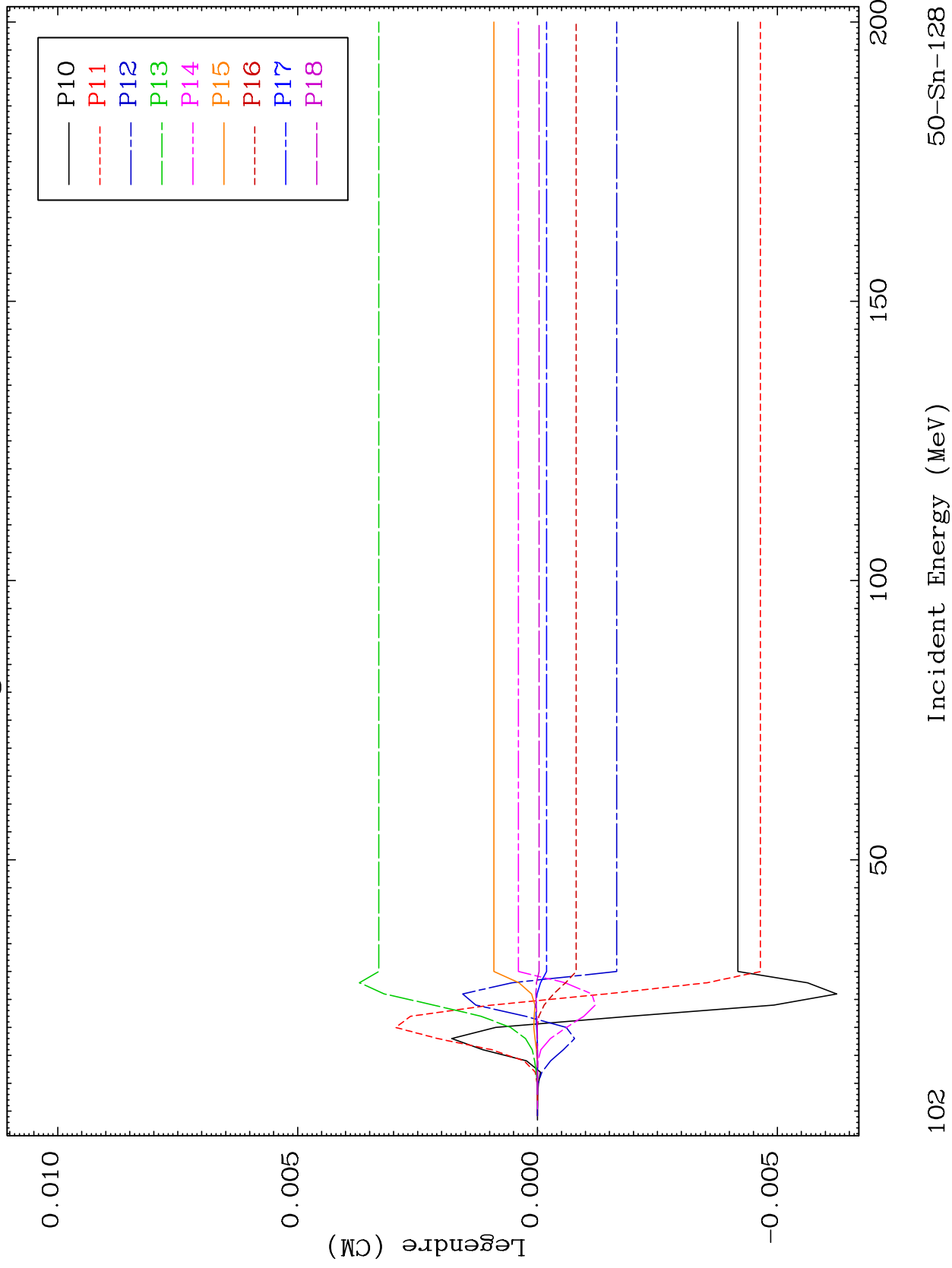




MAT 5073

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

50-Sn-128

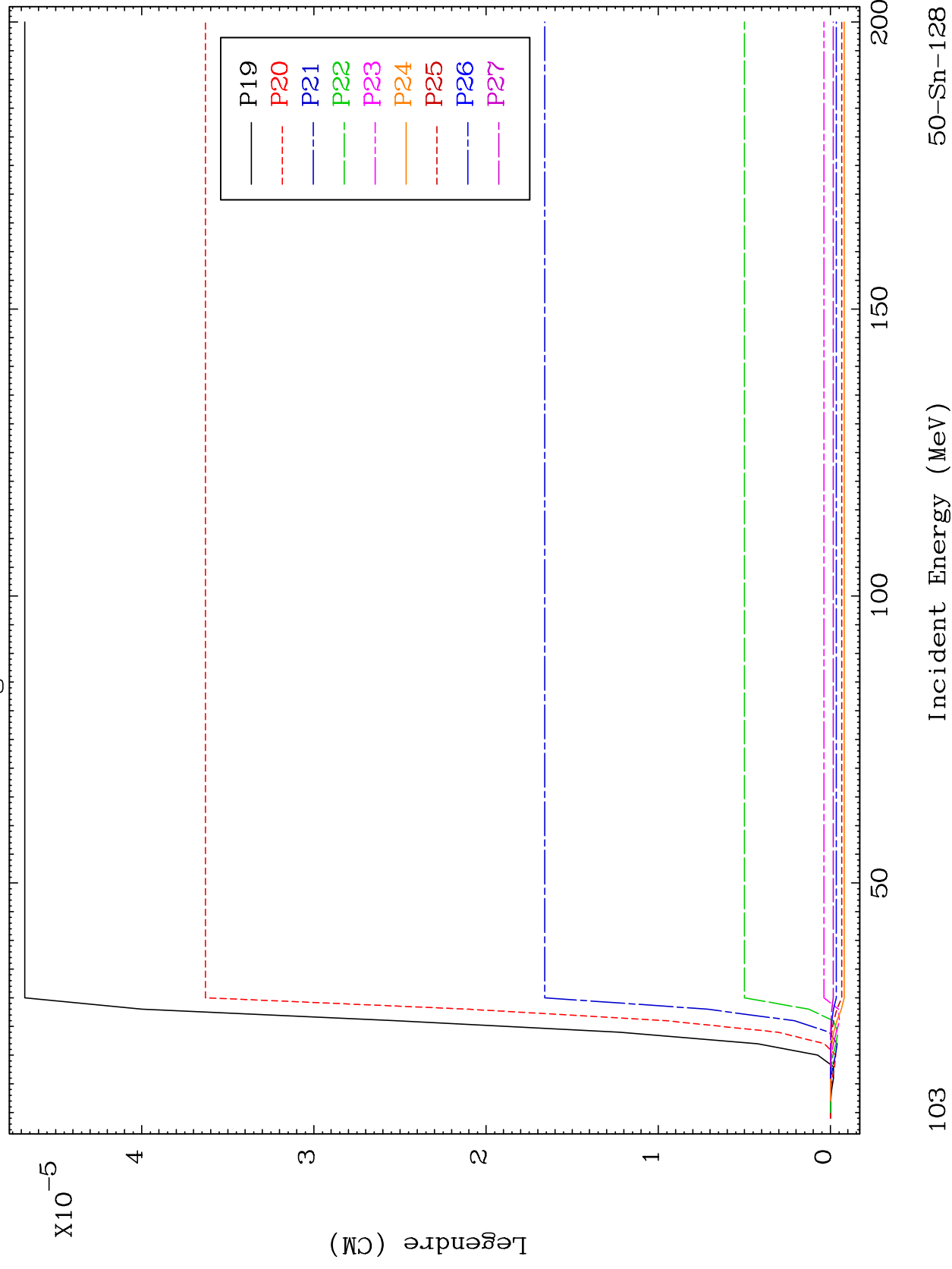


102

MAT 5073

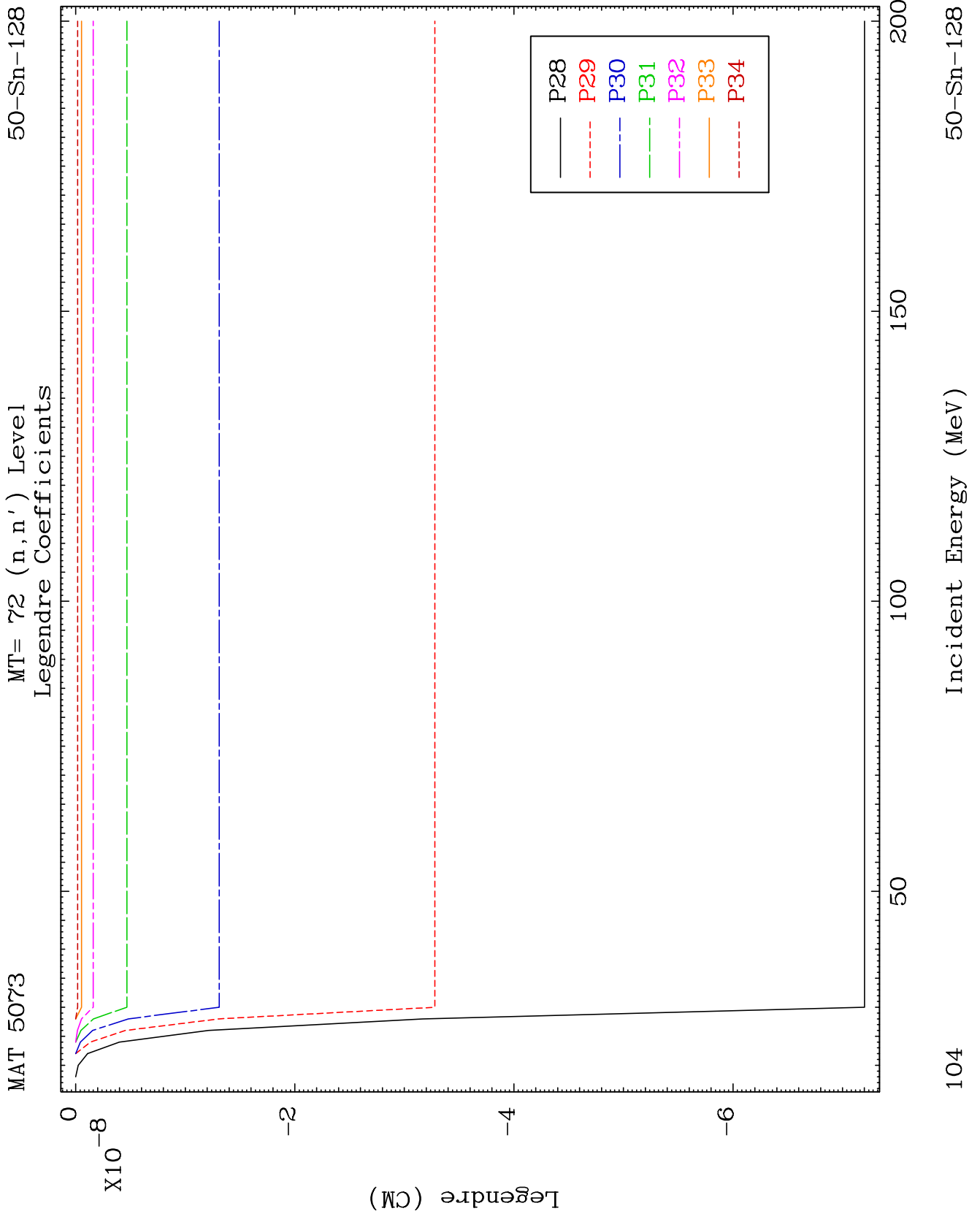
MT= 72 (n,n') Level  
Legendre Coefficients

50-Sn-128



103



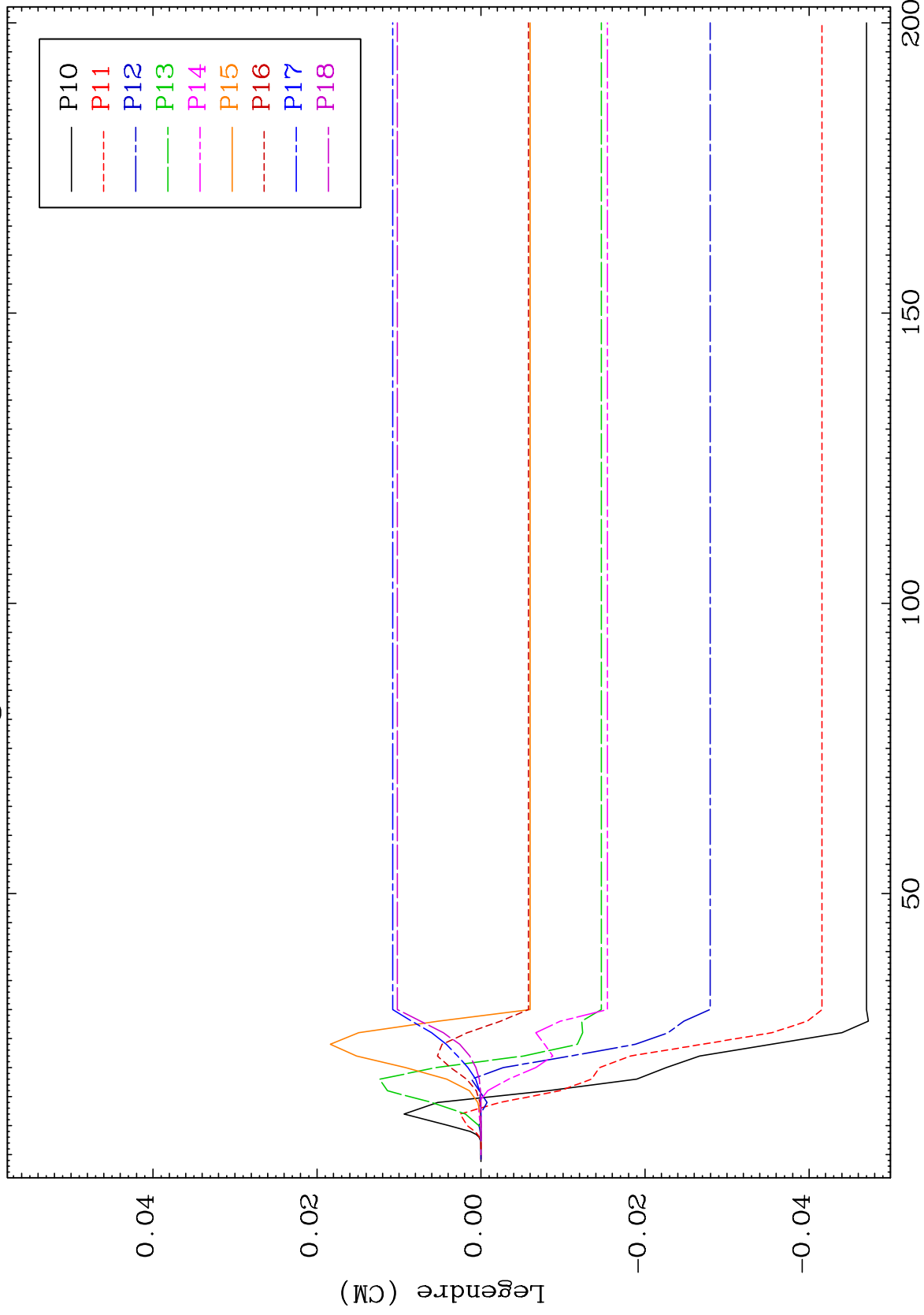




MAT 5073

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

50-Sn-128



106

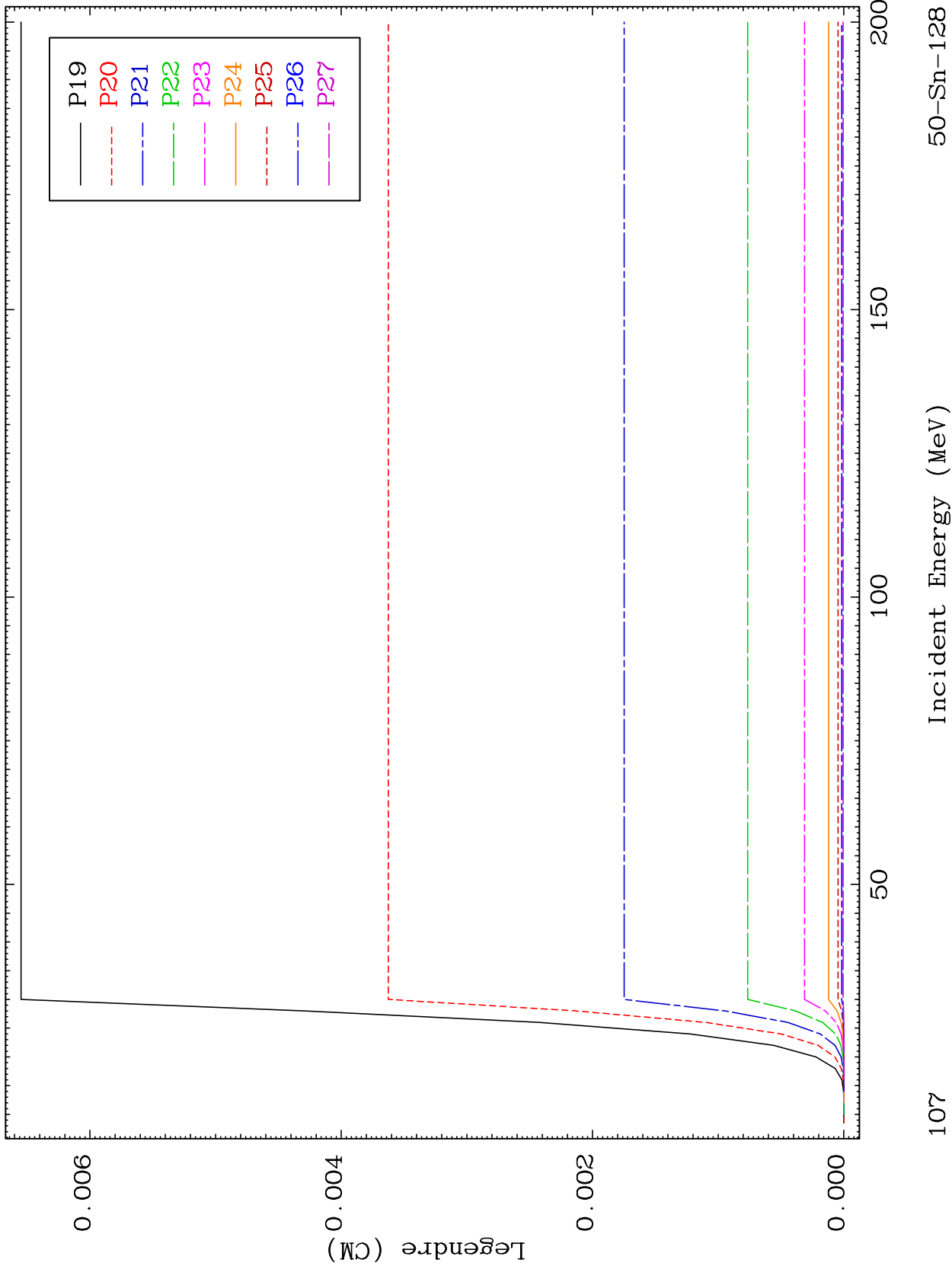
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



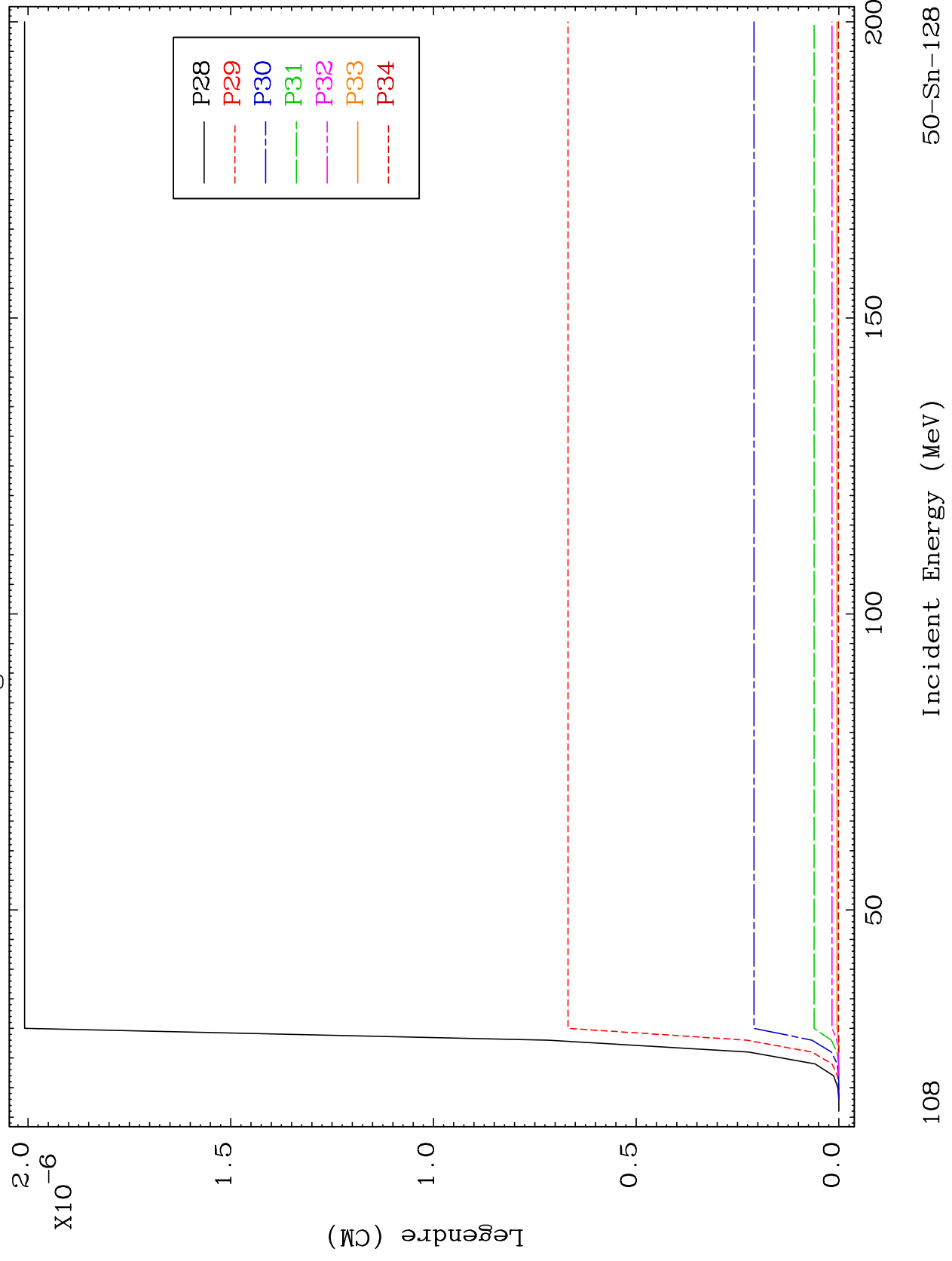
107

50-Sn-128

MAT 5073

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

50-Sn-128



108

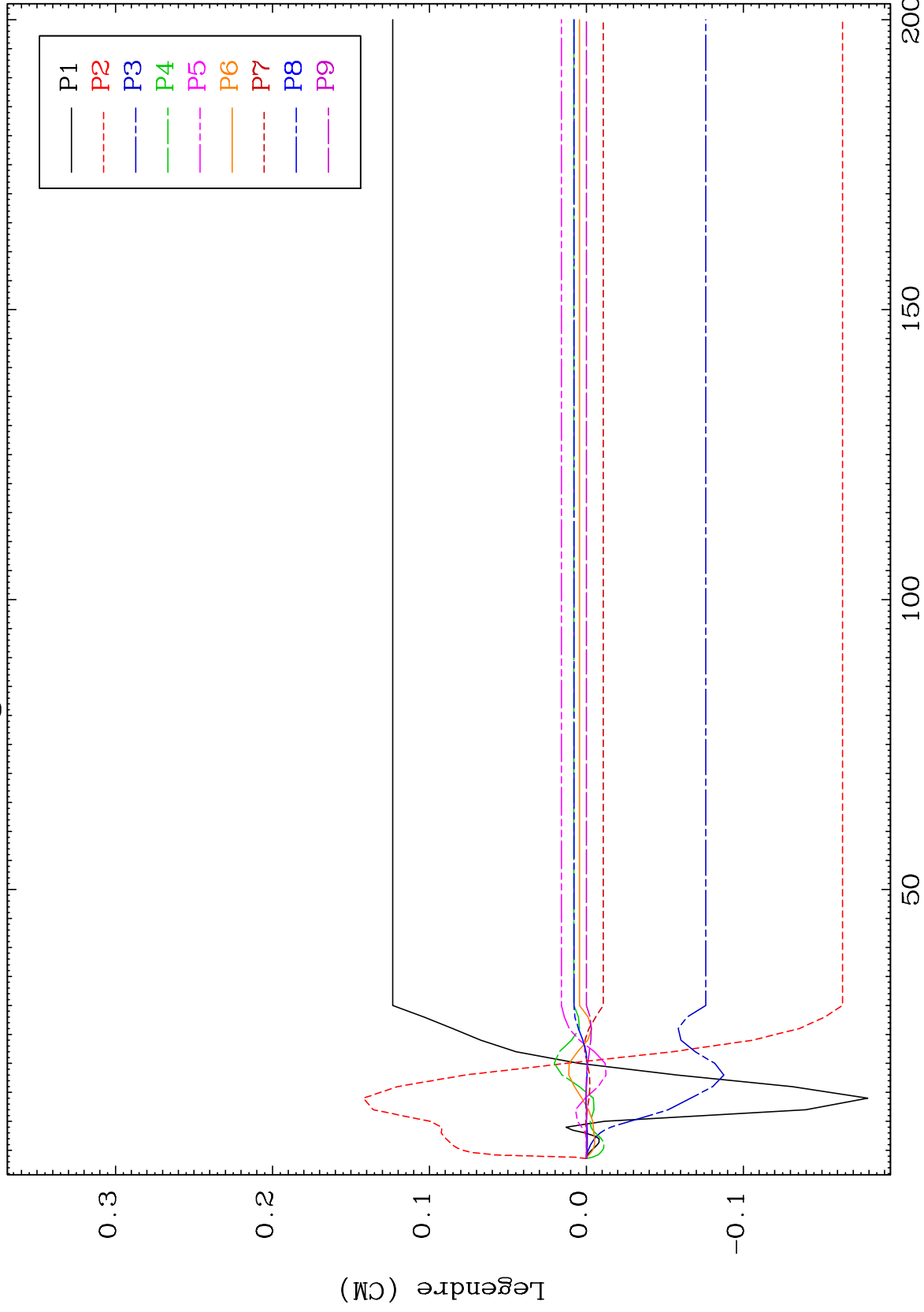
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

50-Sn-128



109

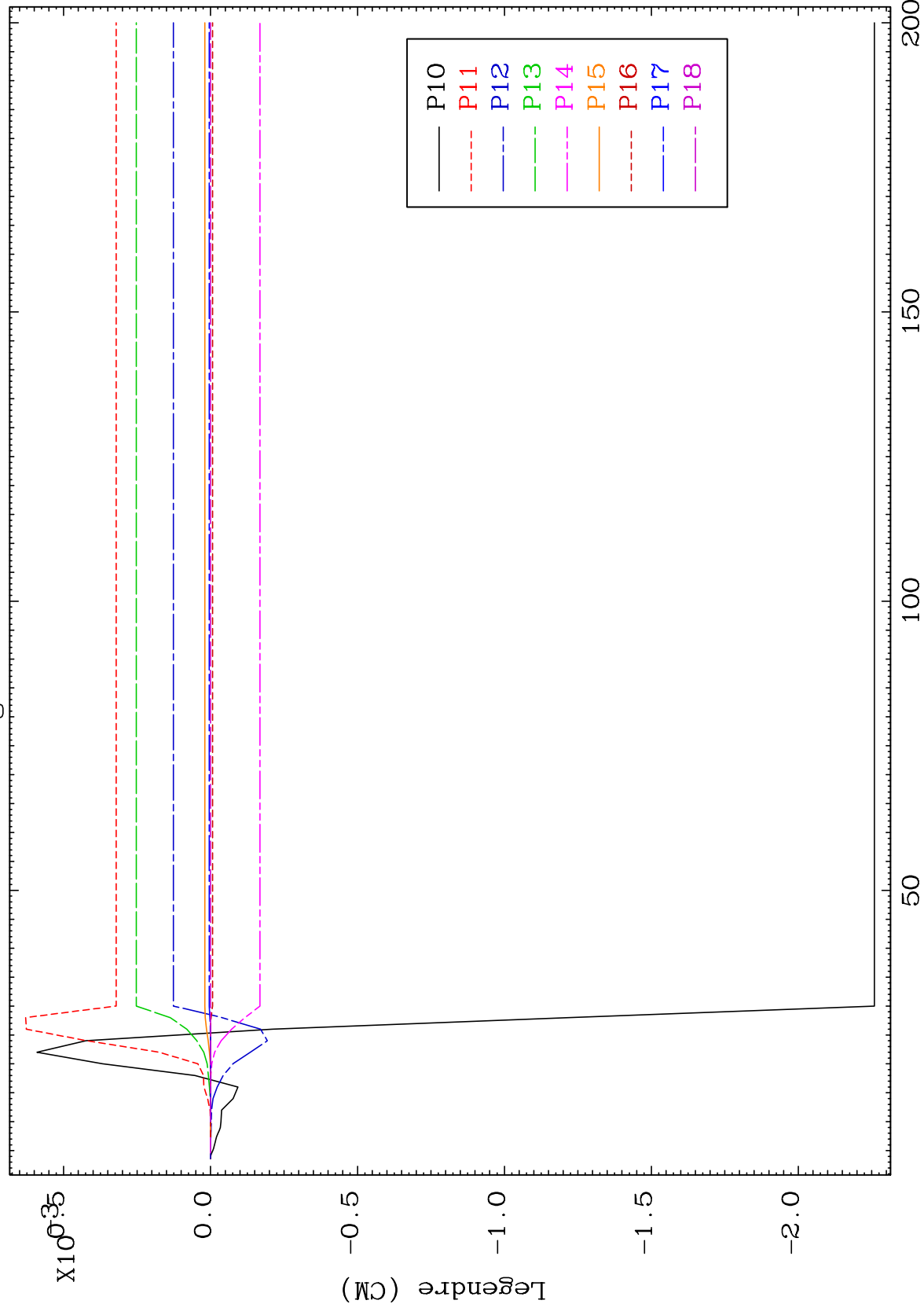
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

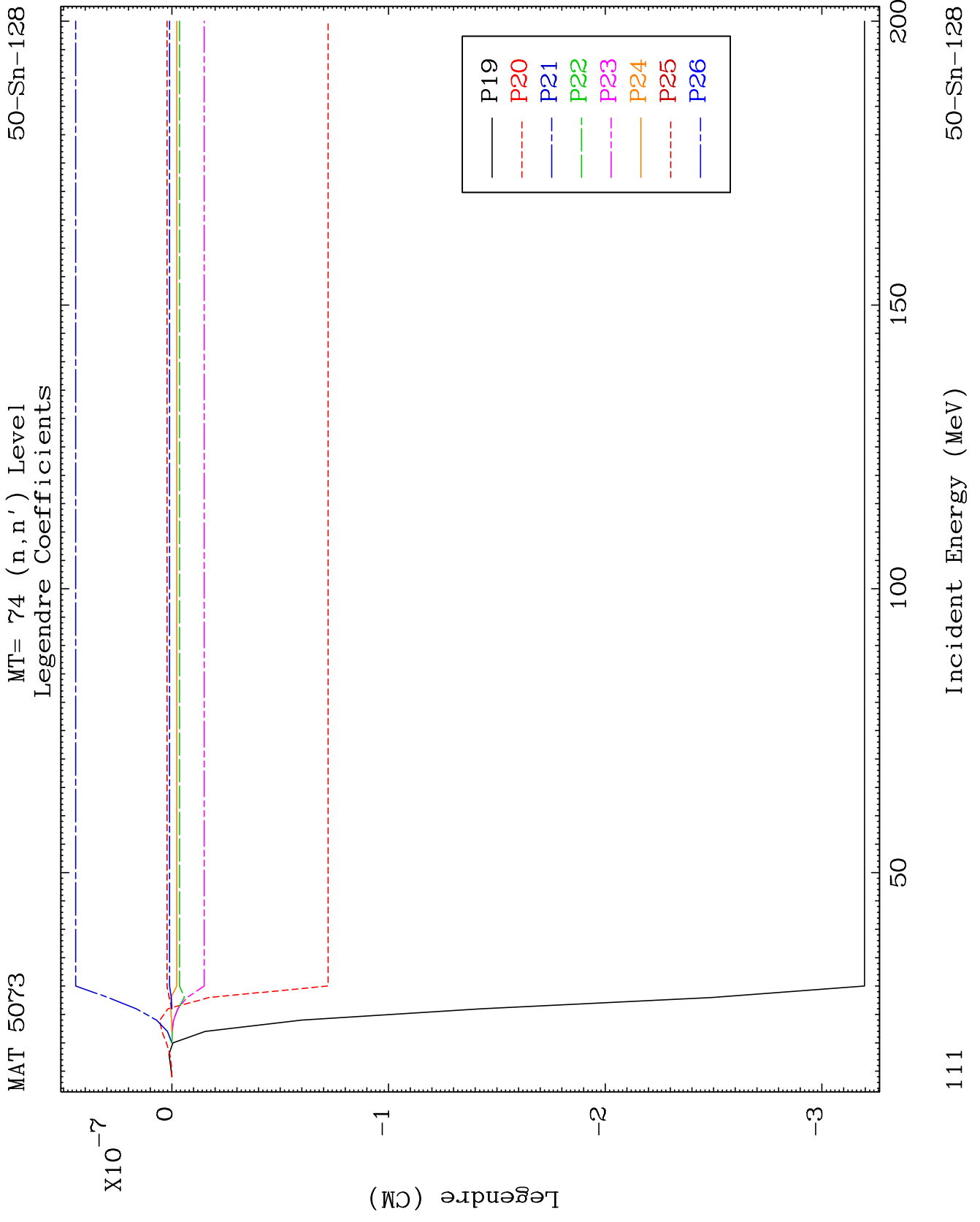
50-Sn-128



110

Incident Energy (MeV)

50-Sn-128

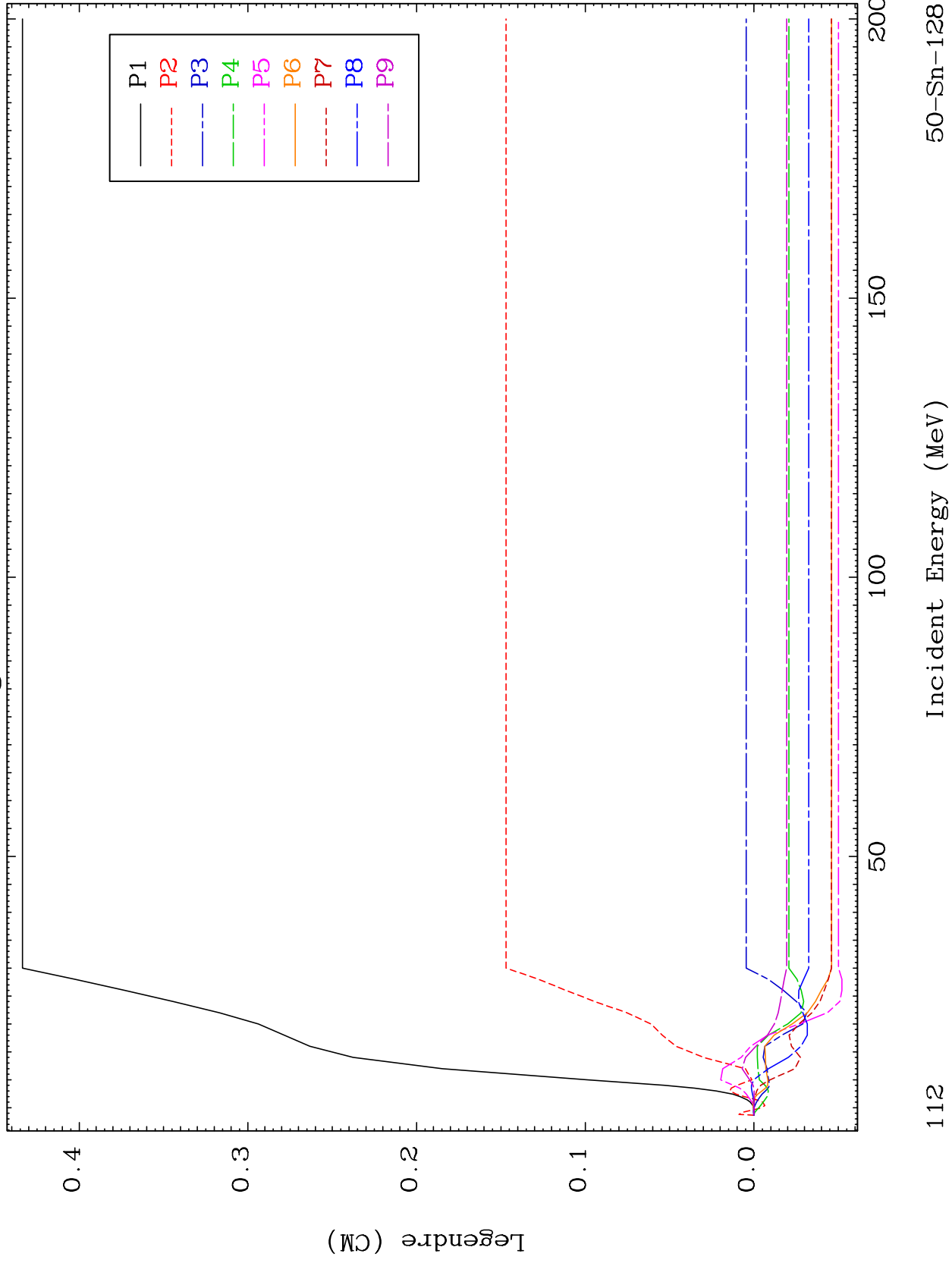




MAT 5073

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

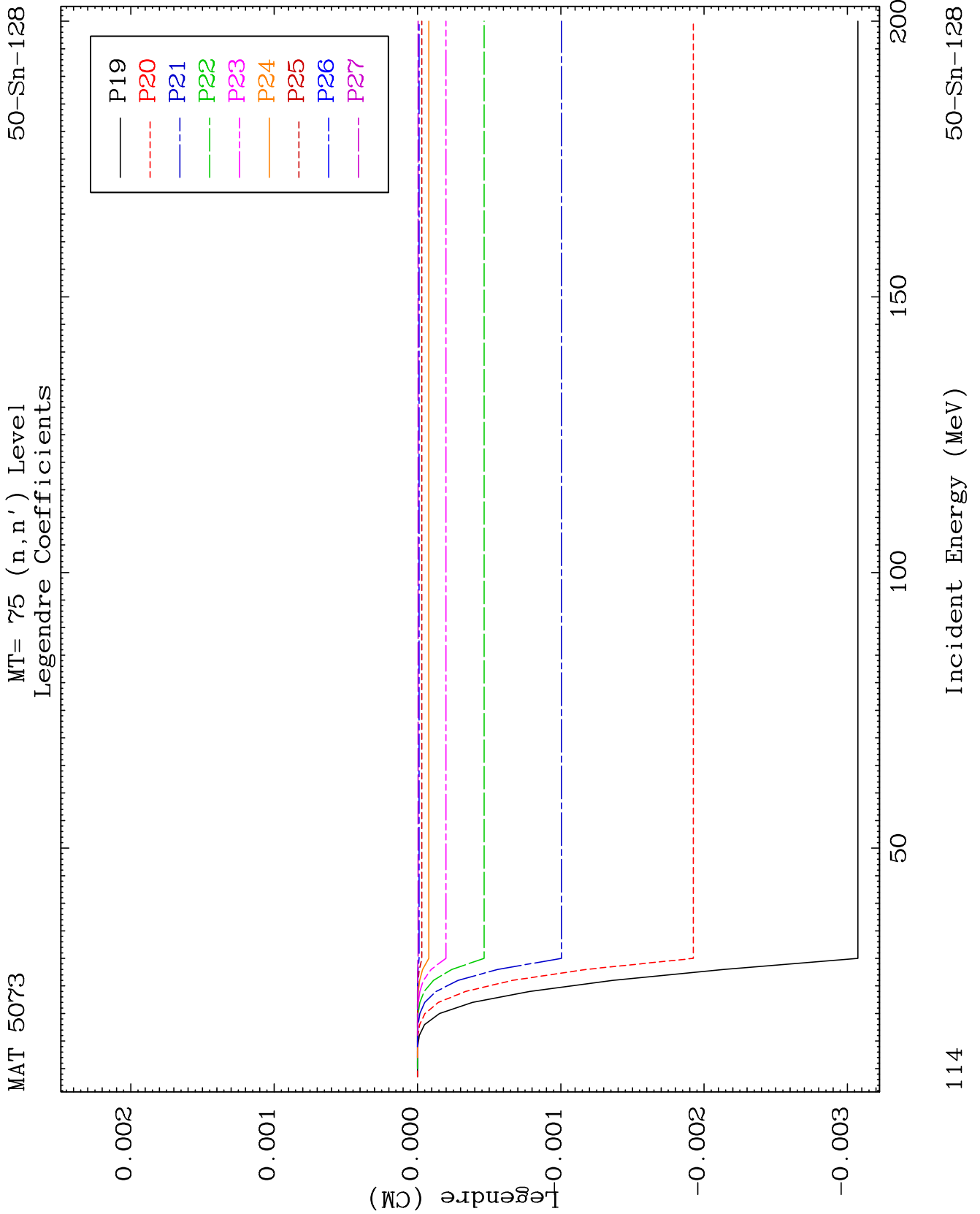
50-Sn-128

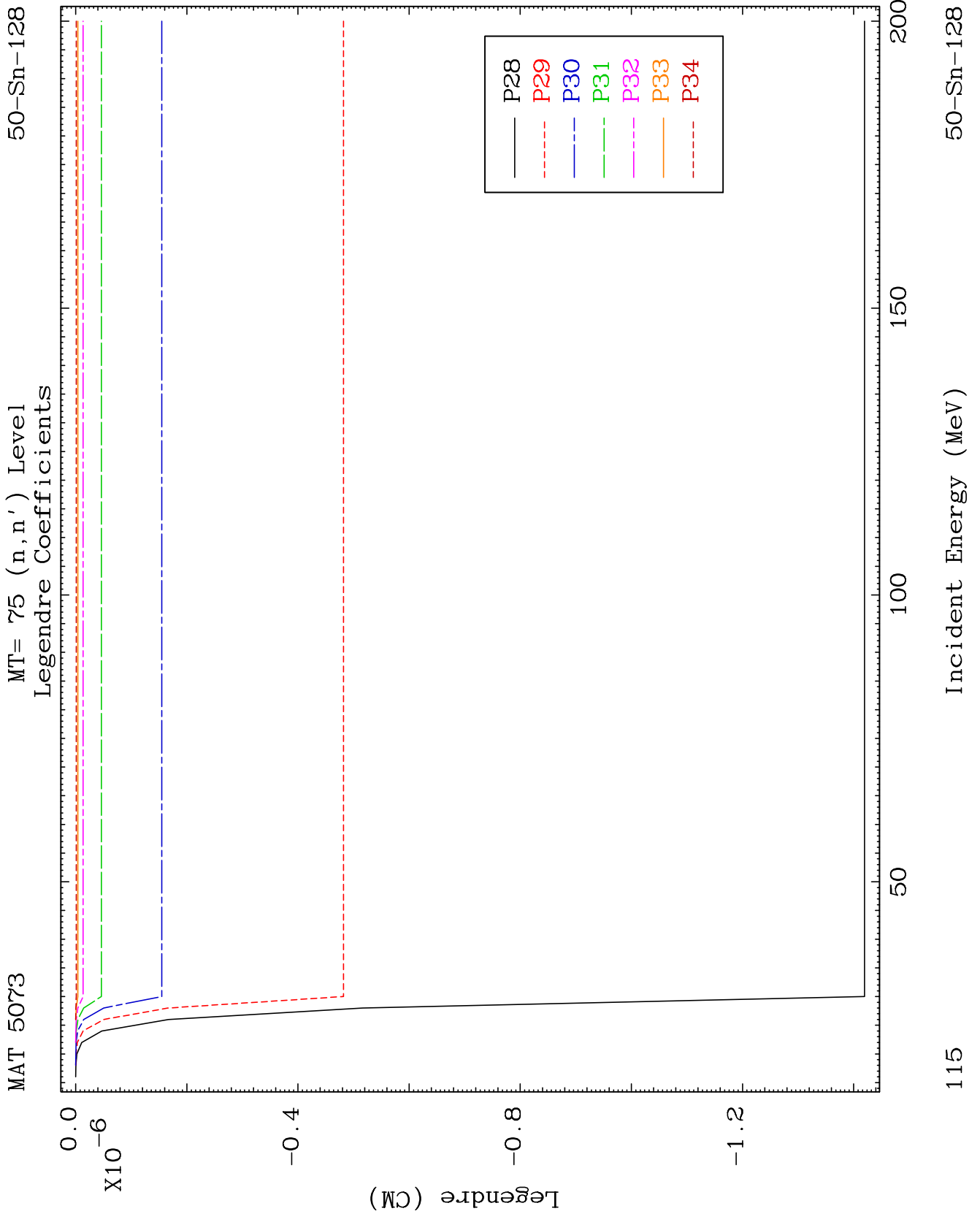


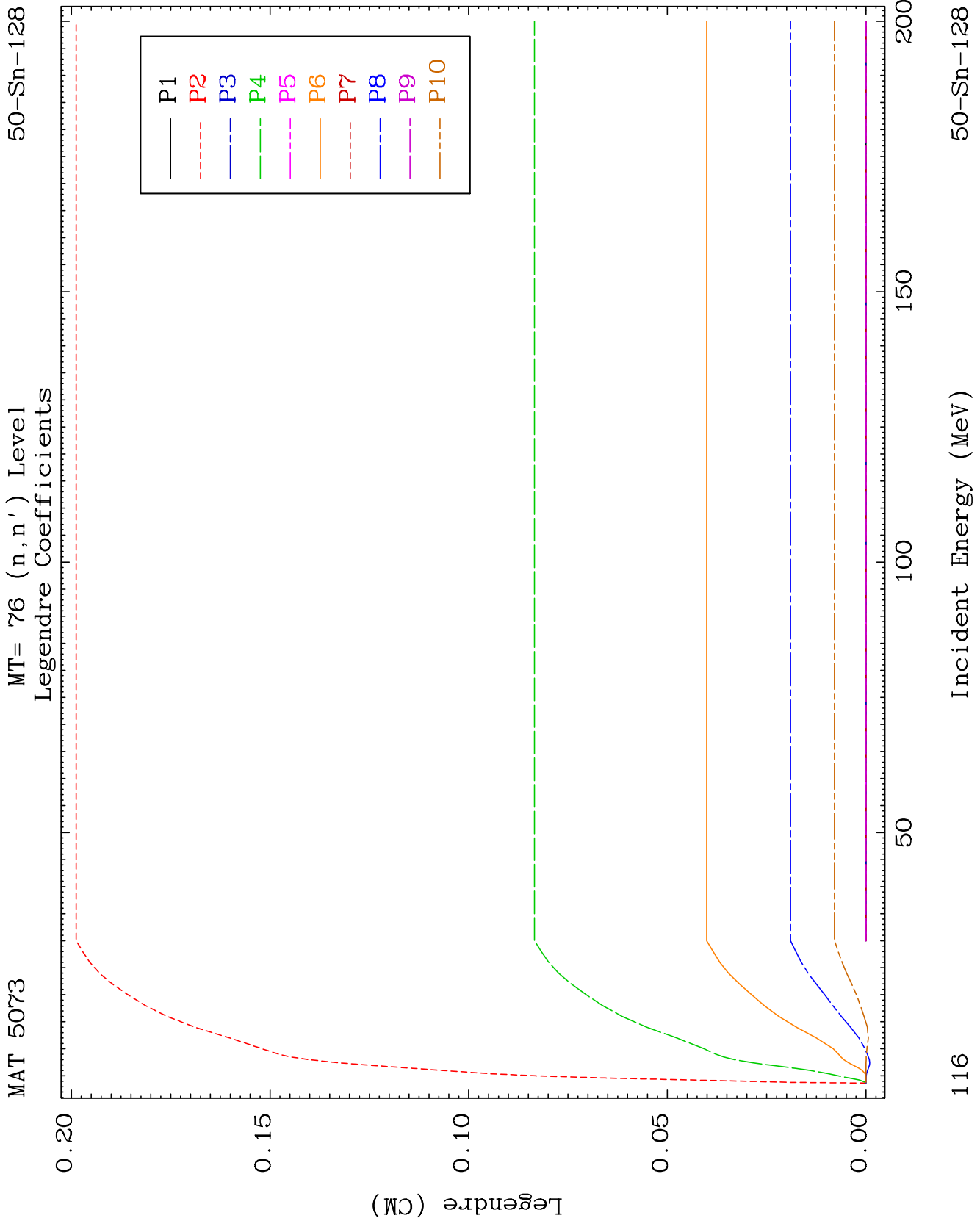
112

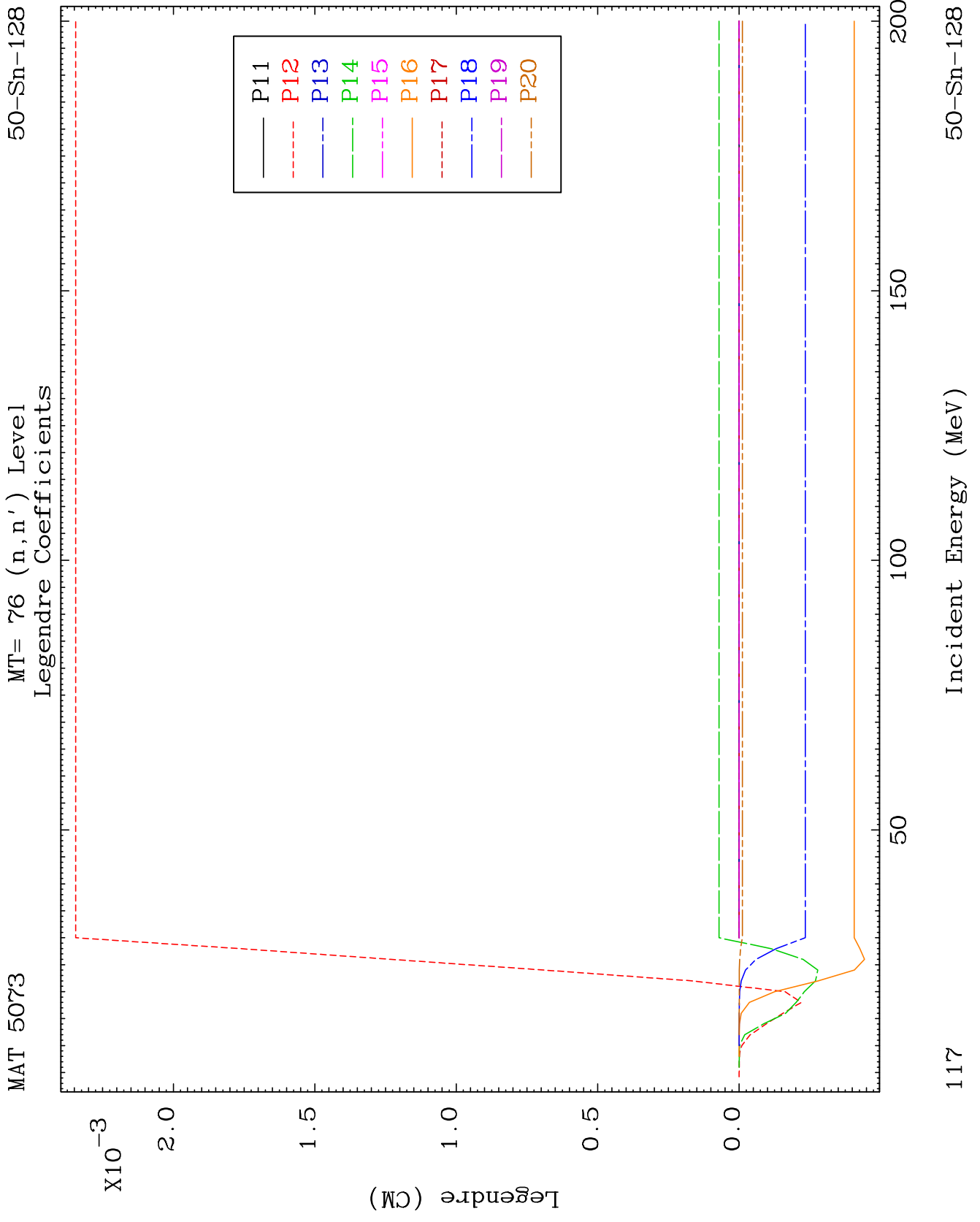
50-Sn-128

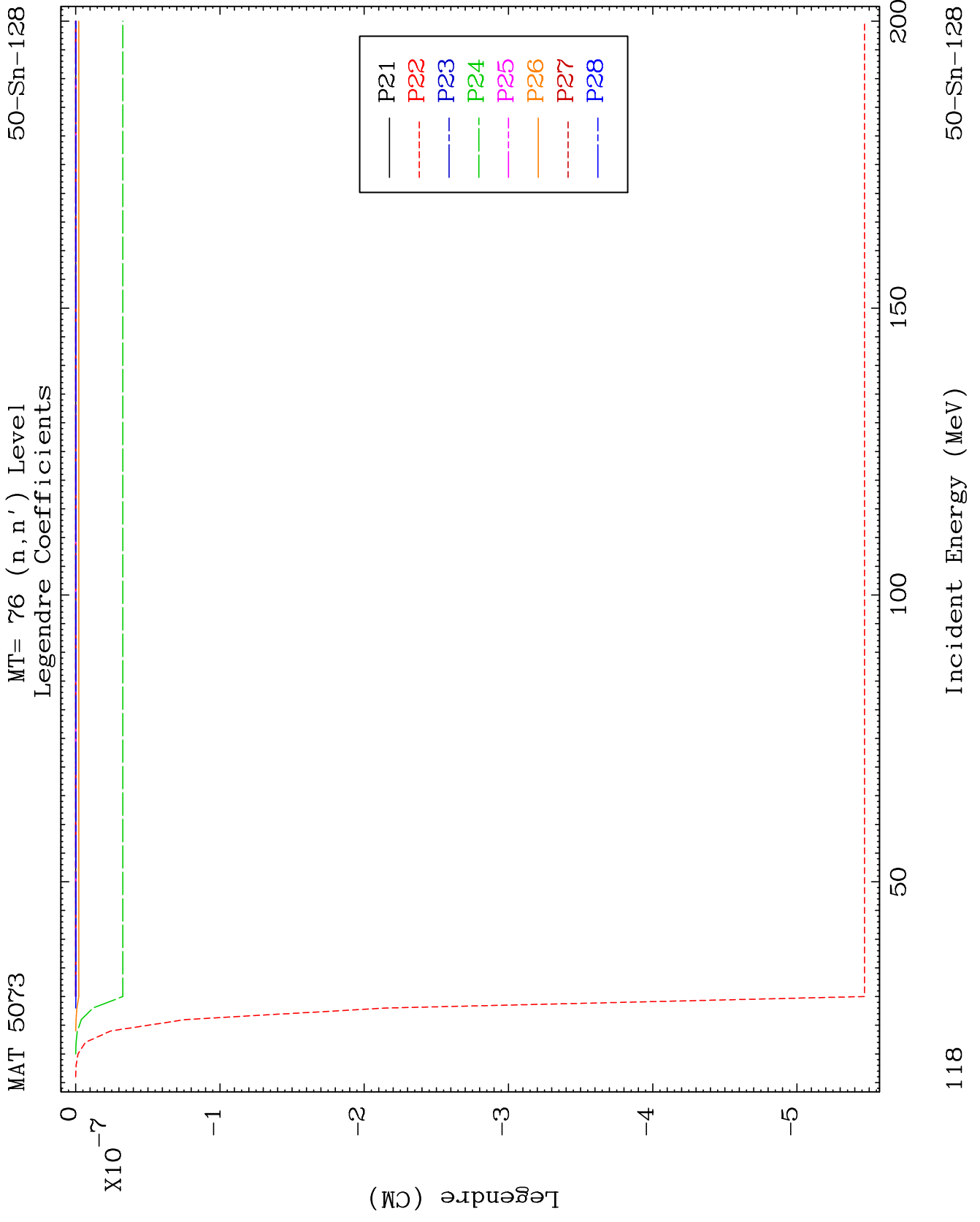








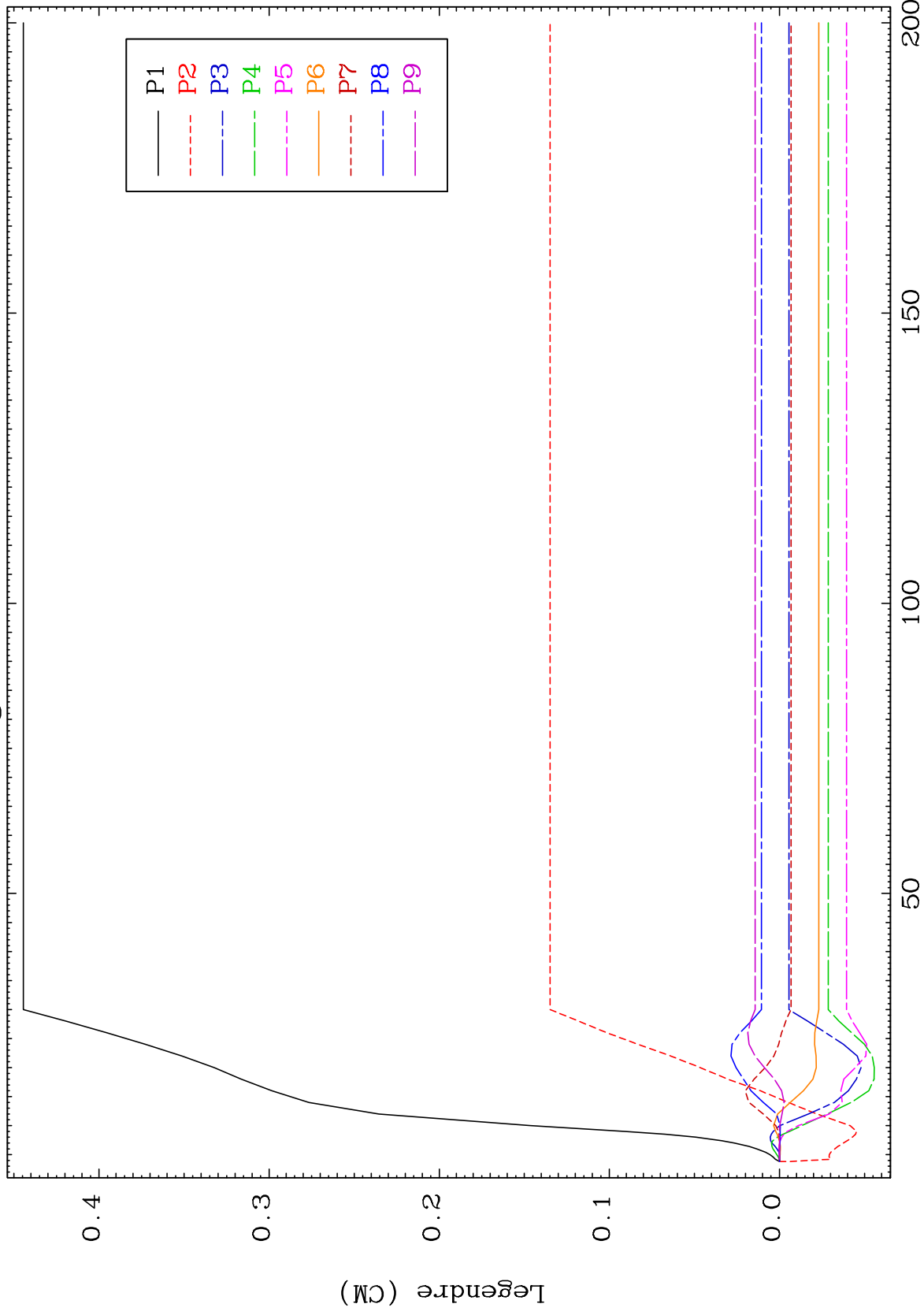




MAT 5073

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

50-Sn-128



119

Incident Energy (MeV)

50-Sn-128

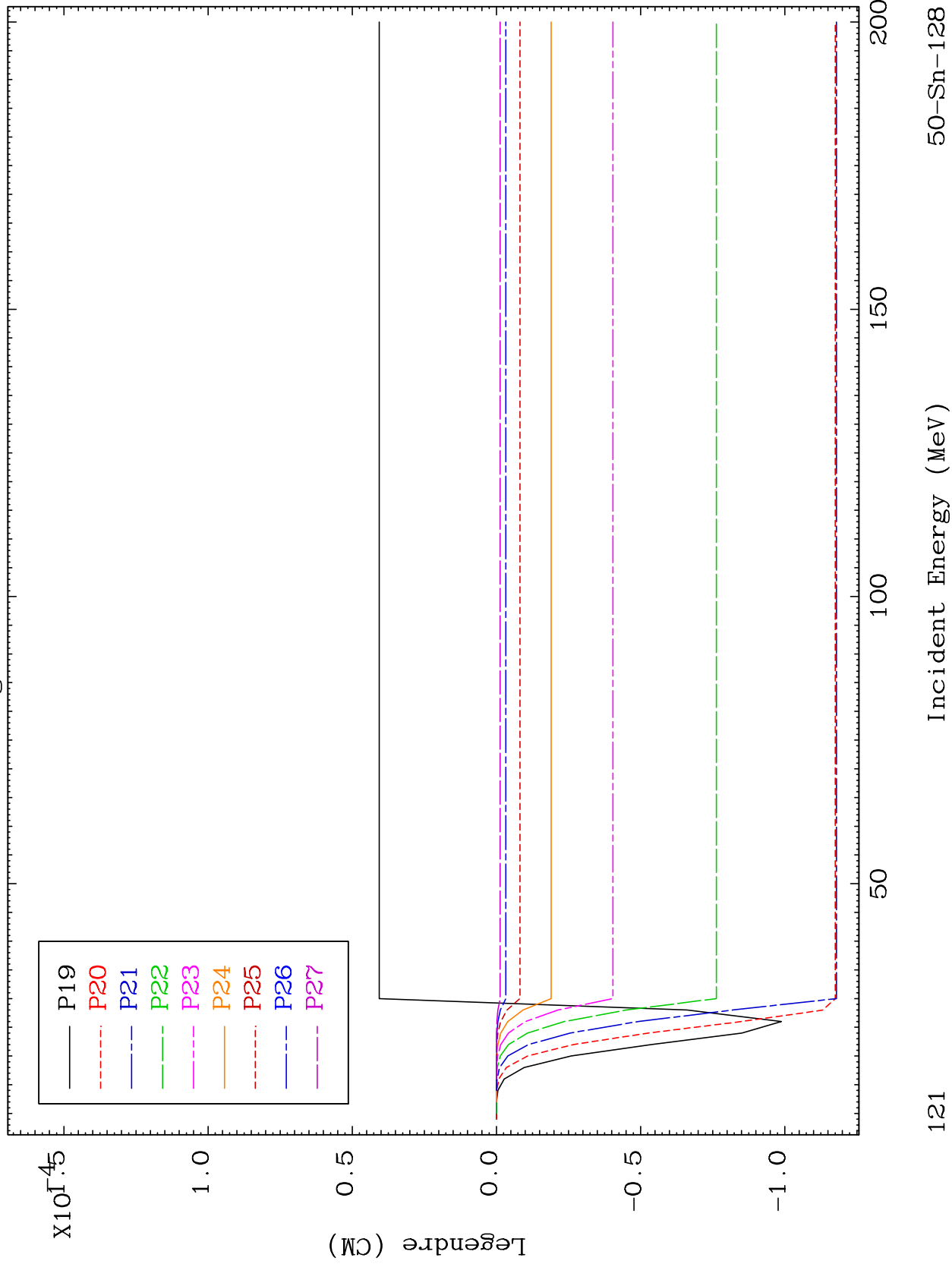




MAT 5073

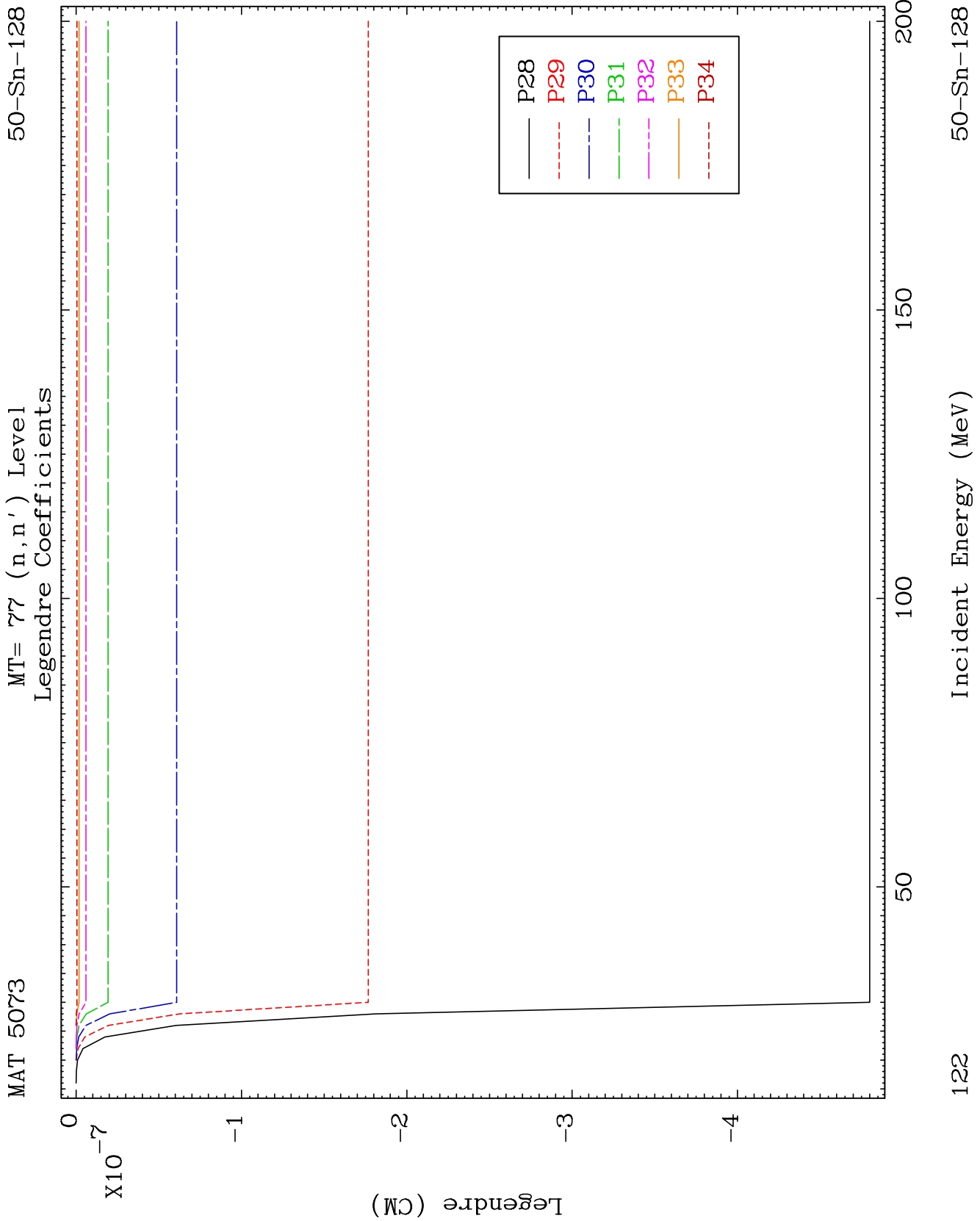
MT= 77 (n,n') Level  
Legendre Coefficients

50-Sn-128



121

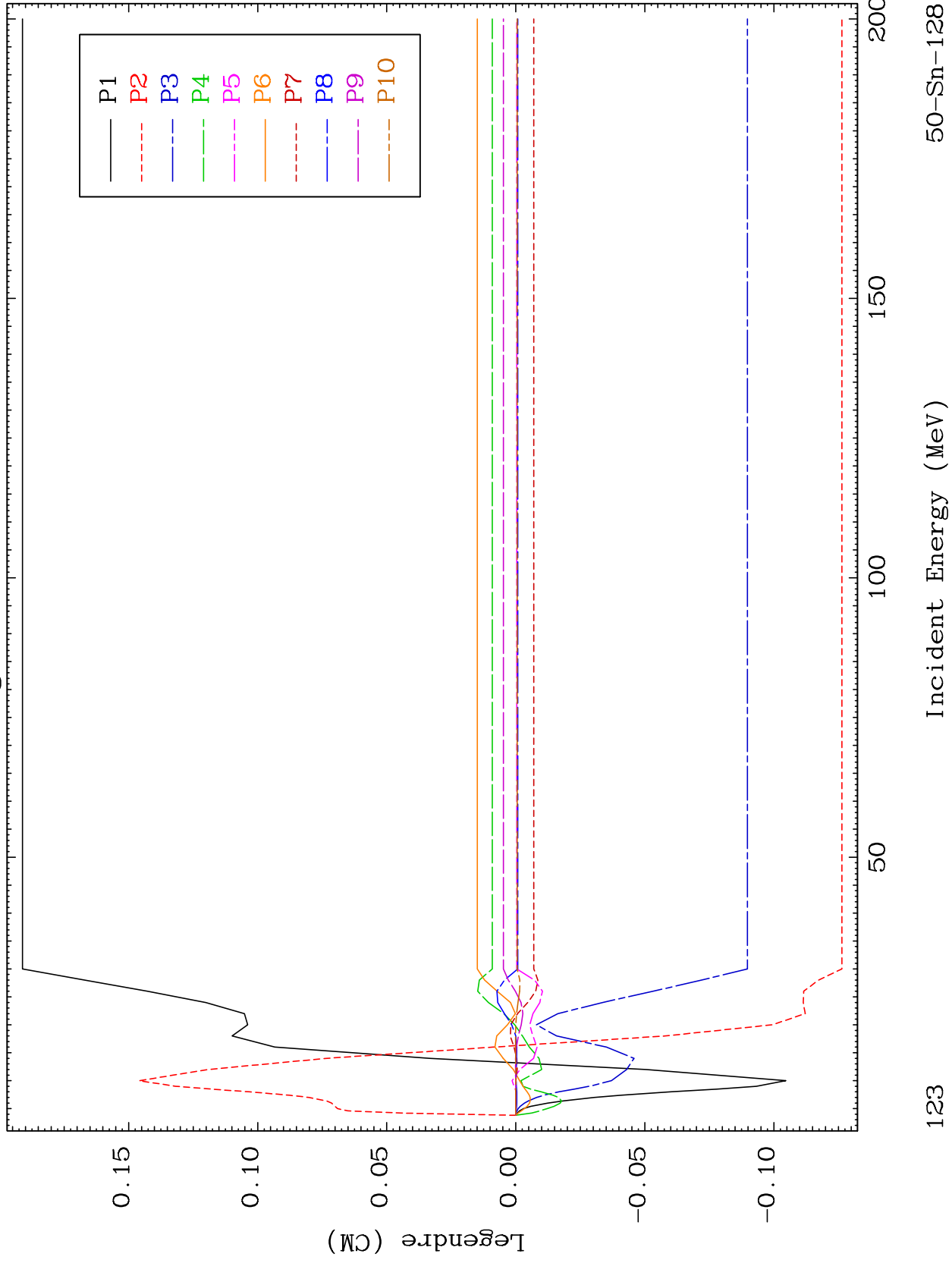
50-Sn-128



MAT 5073

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

50-Sn-128



123

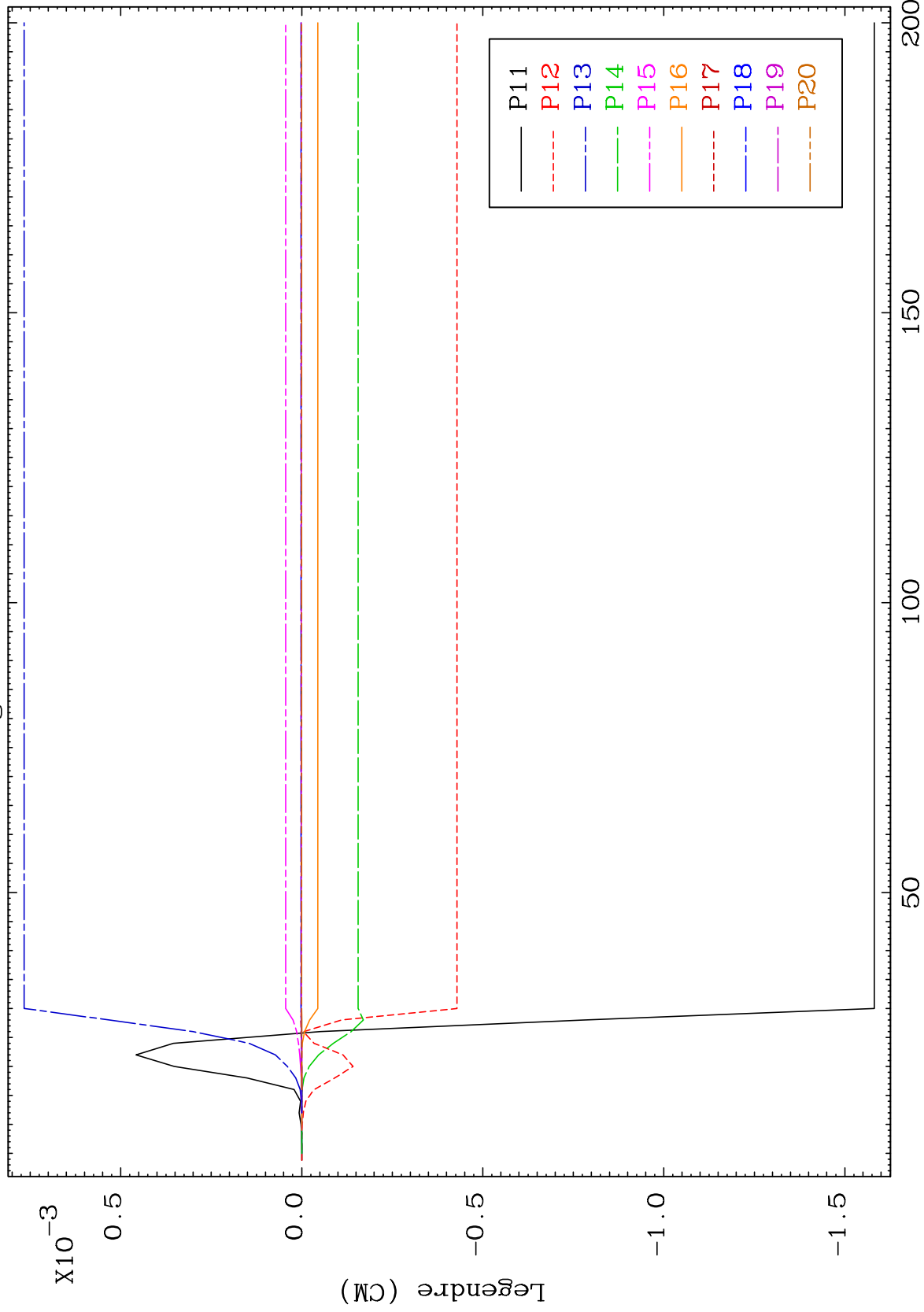
Incident Energy (MeV)

50-Sn-128

MAT 5073

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

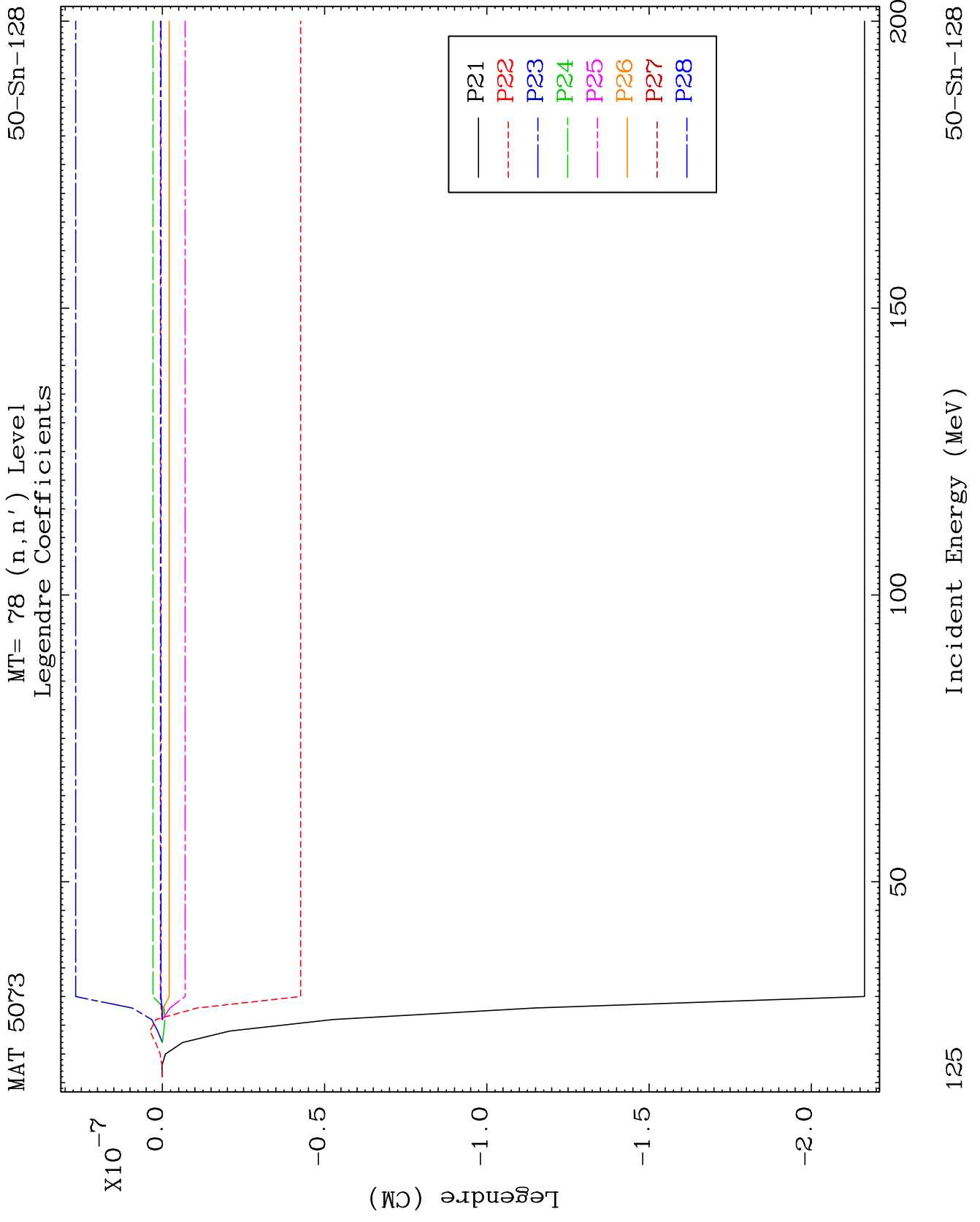
50-Sn-128



124

Incident Energy (MeV)

50-Sn-128

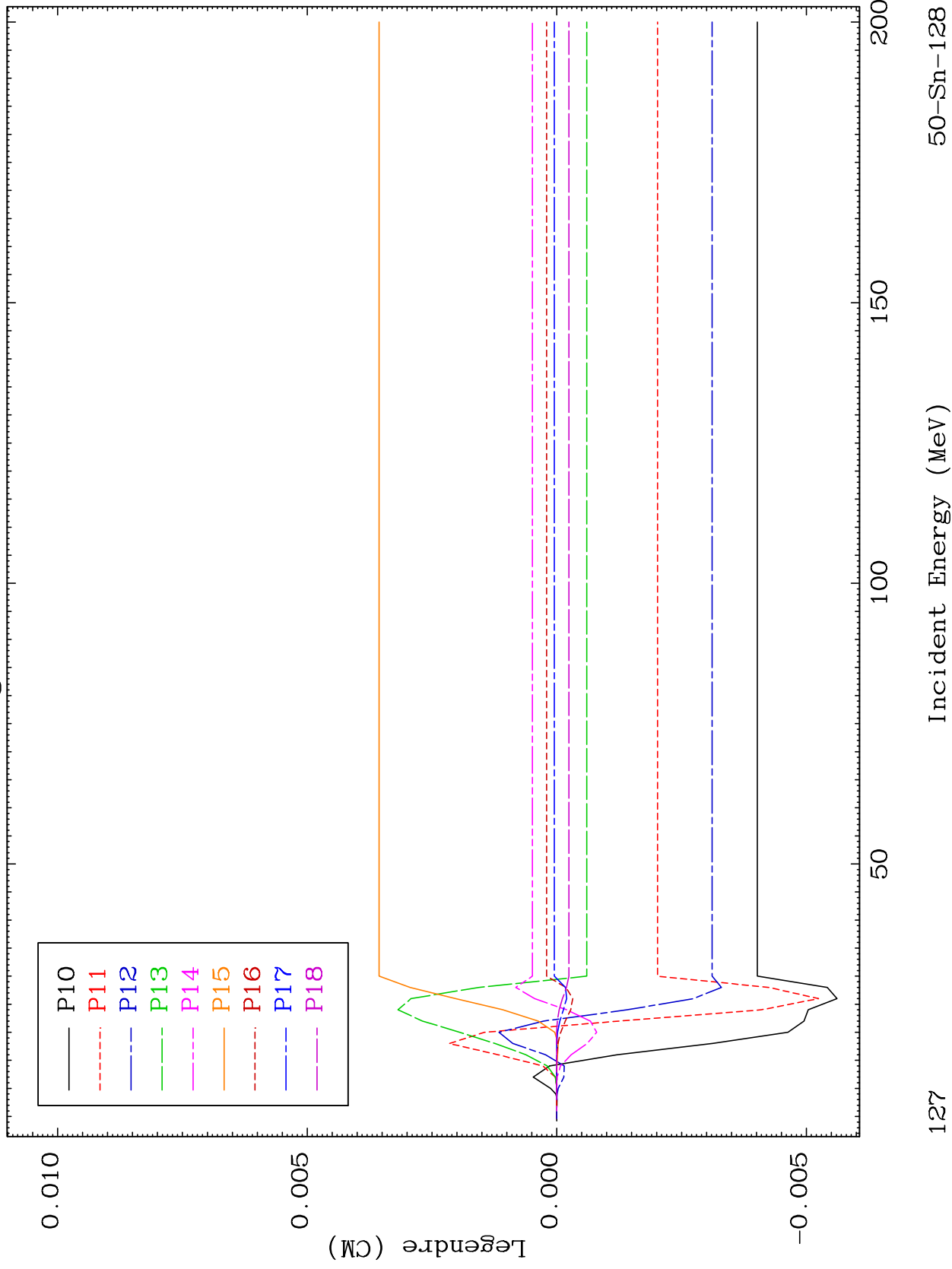




MAT 5073

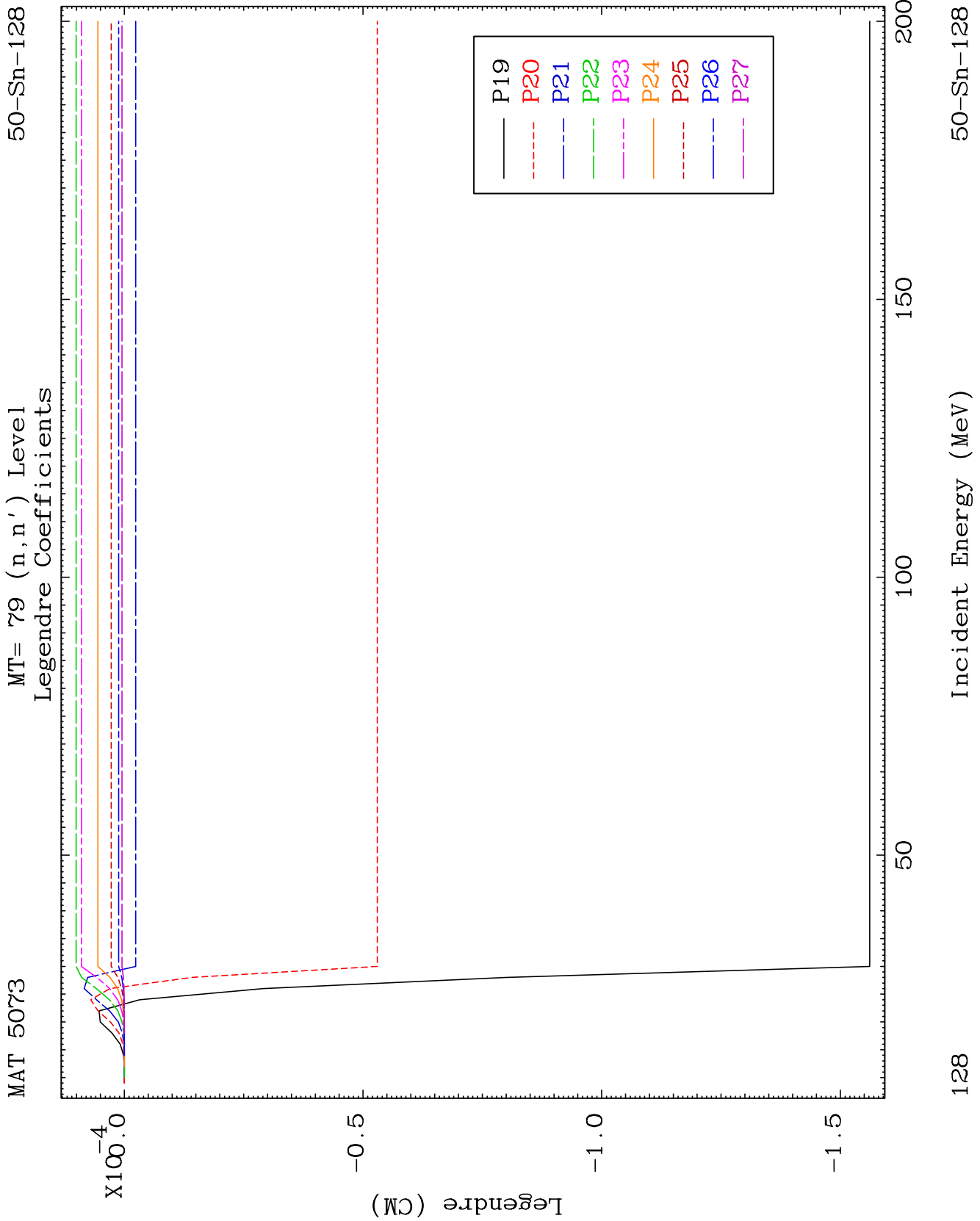
MT= 79 (n,n') Level  
Legendre Coefficients

50-Sn-128



127

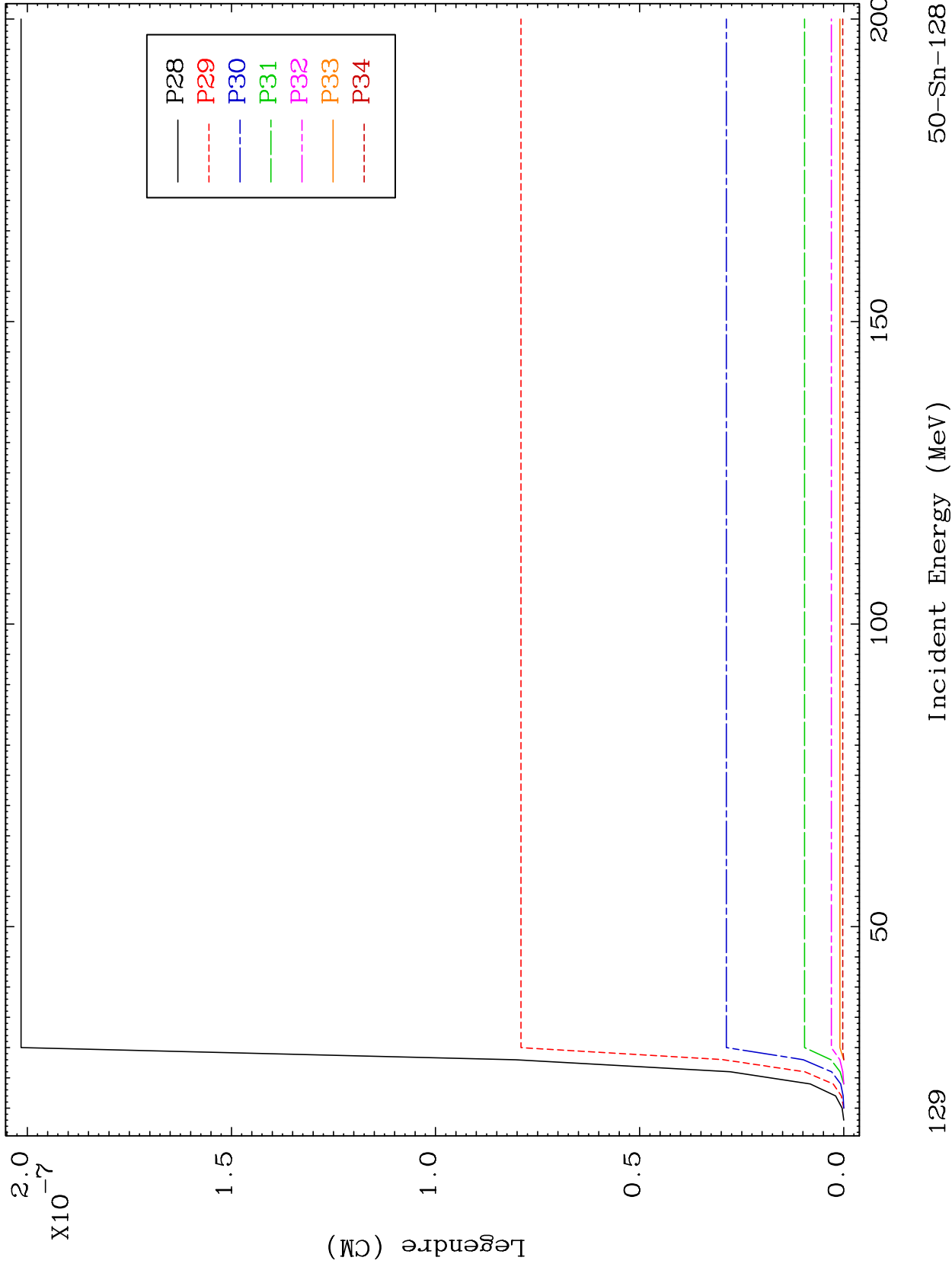




MAT 5073

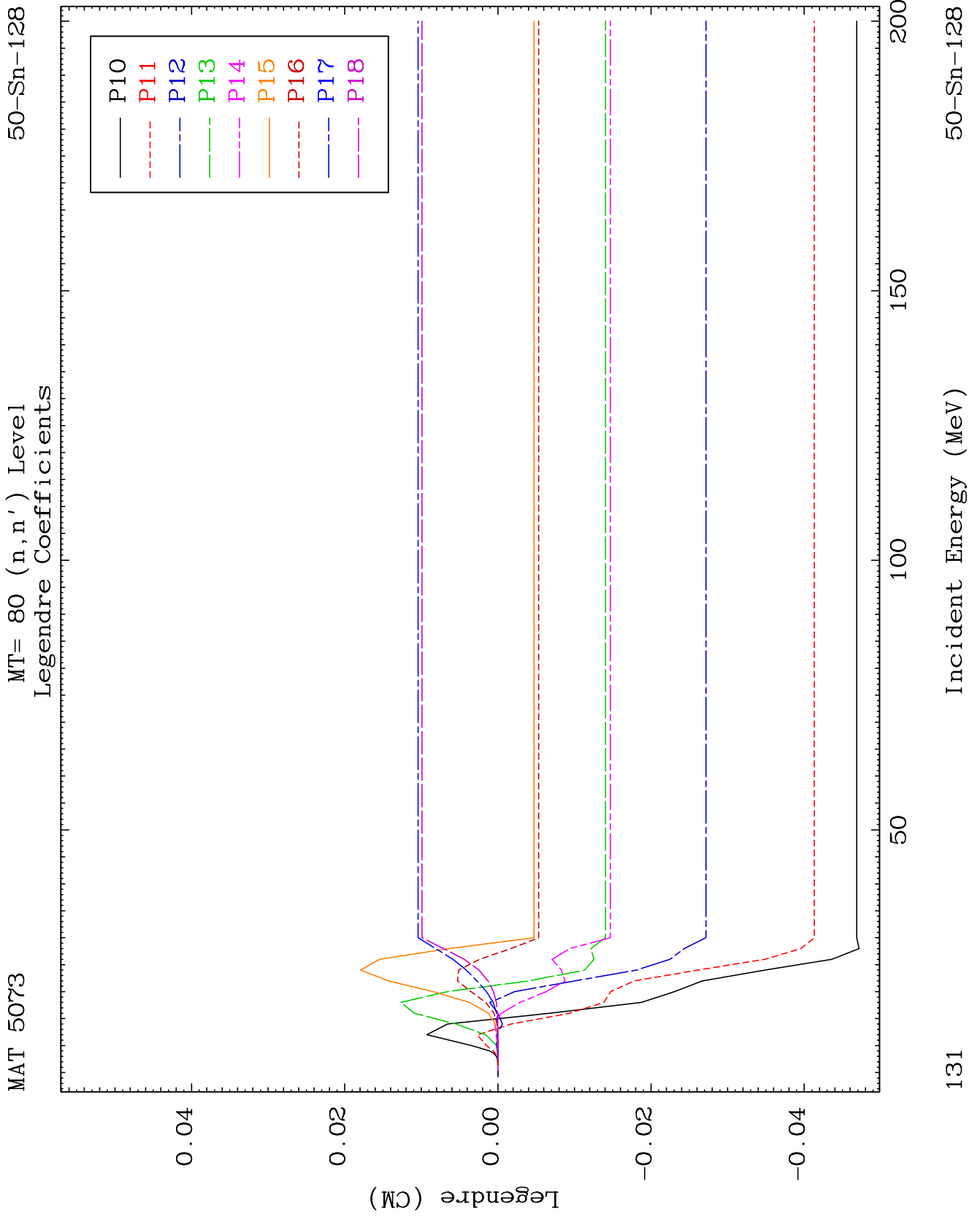
MT= 79 (n,n') Level  
Legendre Coefficients

50-Sn-128



129



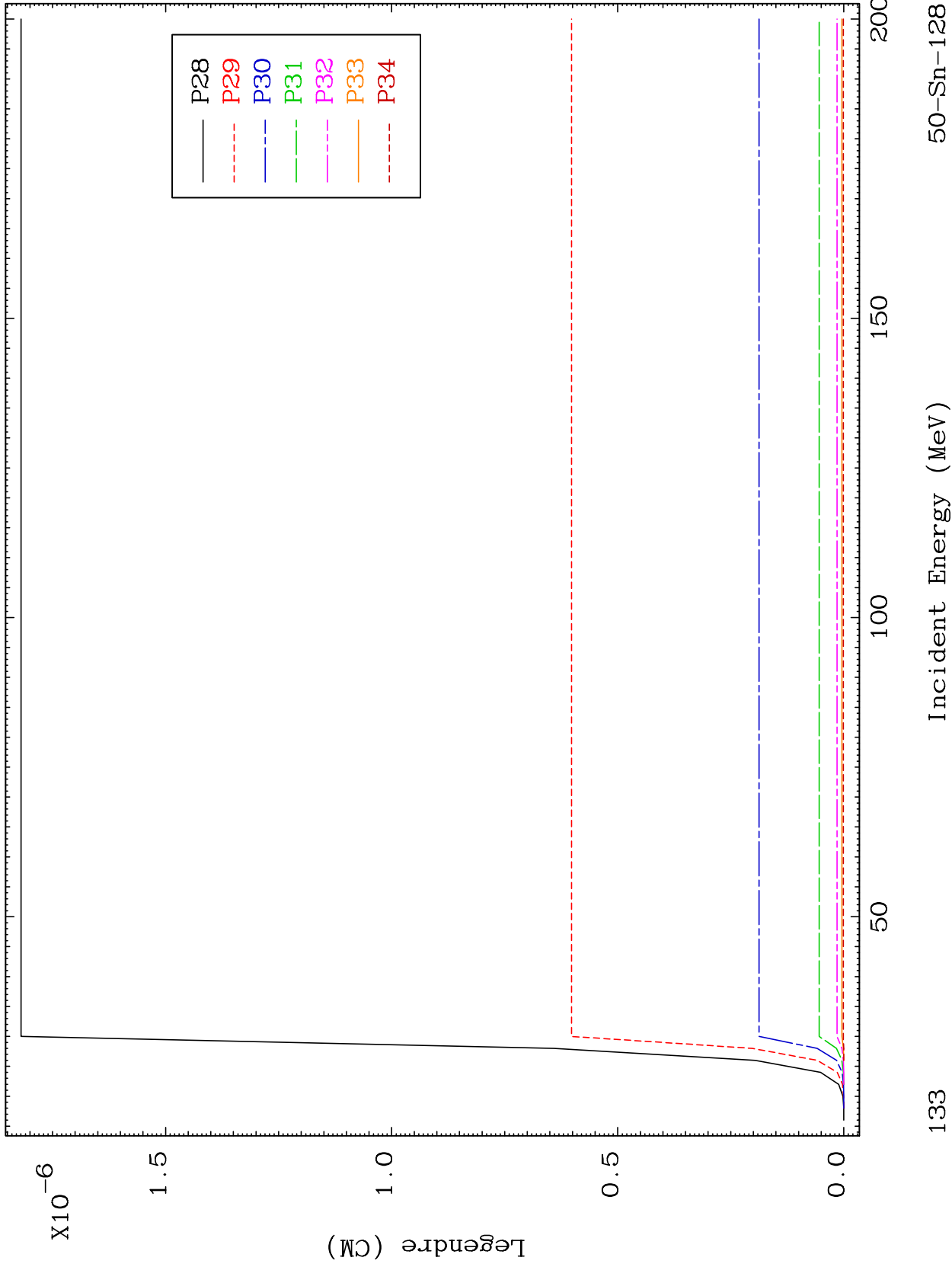




MAT 5073

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

50-Sn-128



133

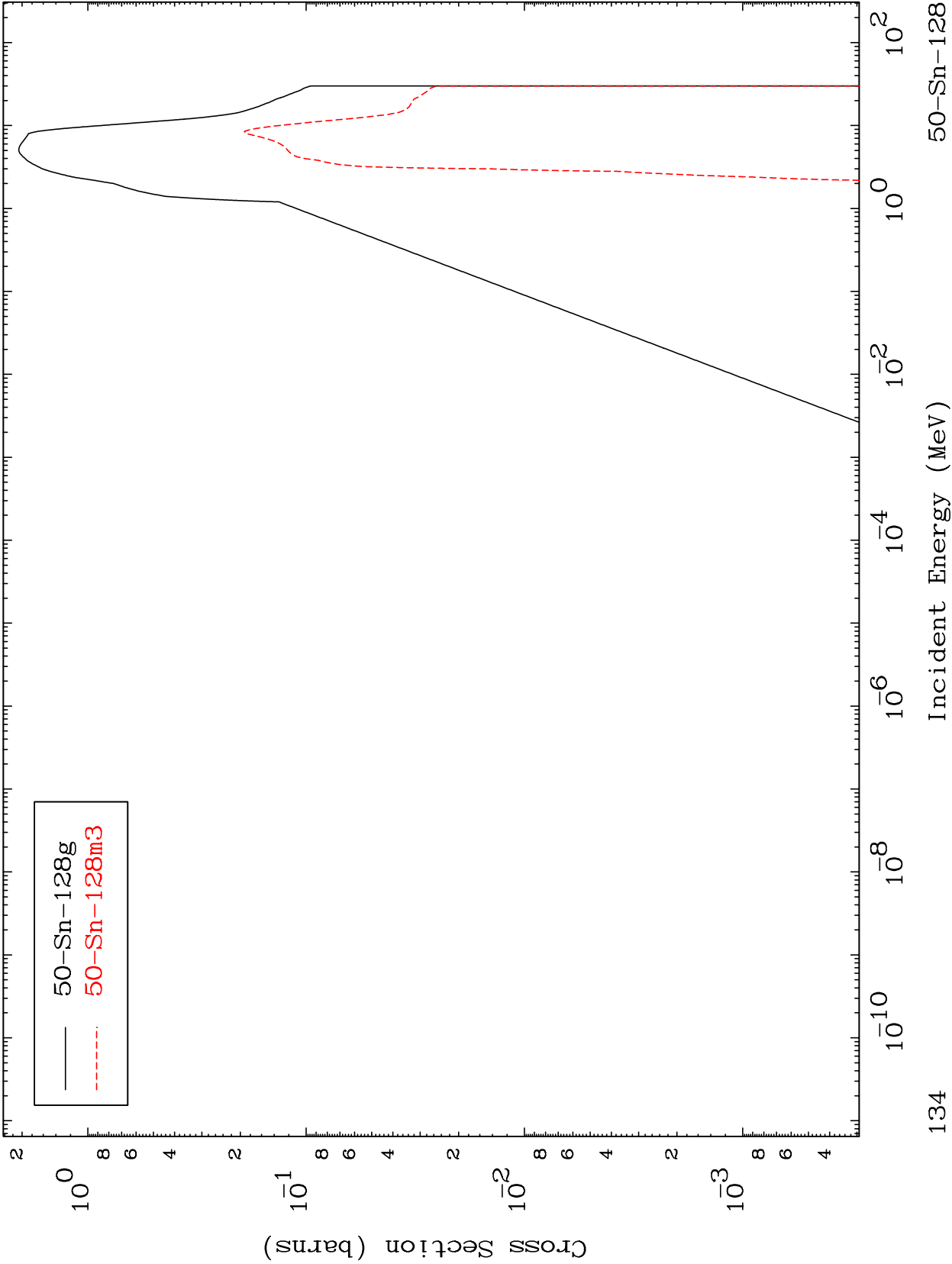
Incident Energy (MeV)

50-Sn-128

MAT 5073

Inelastic  
Radionuclide Production Cross Section

50-Sn-128

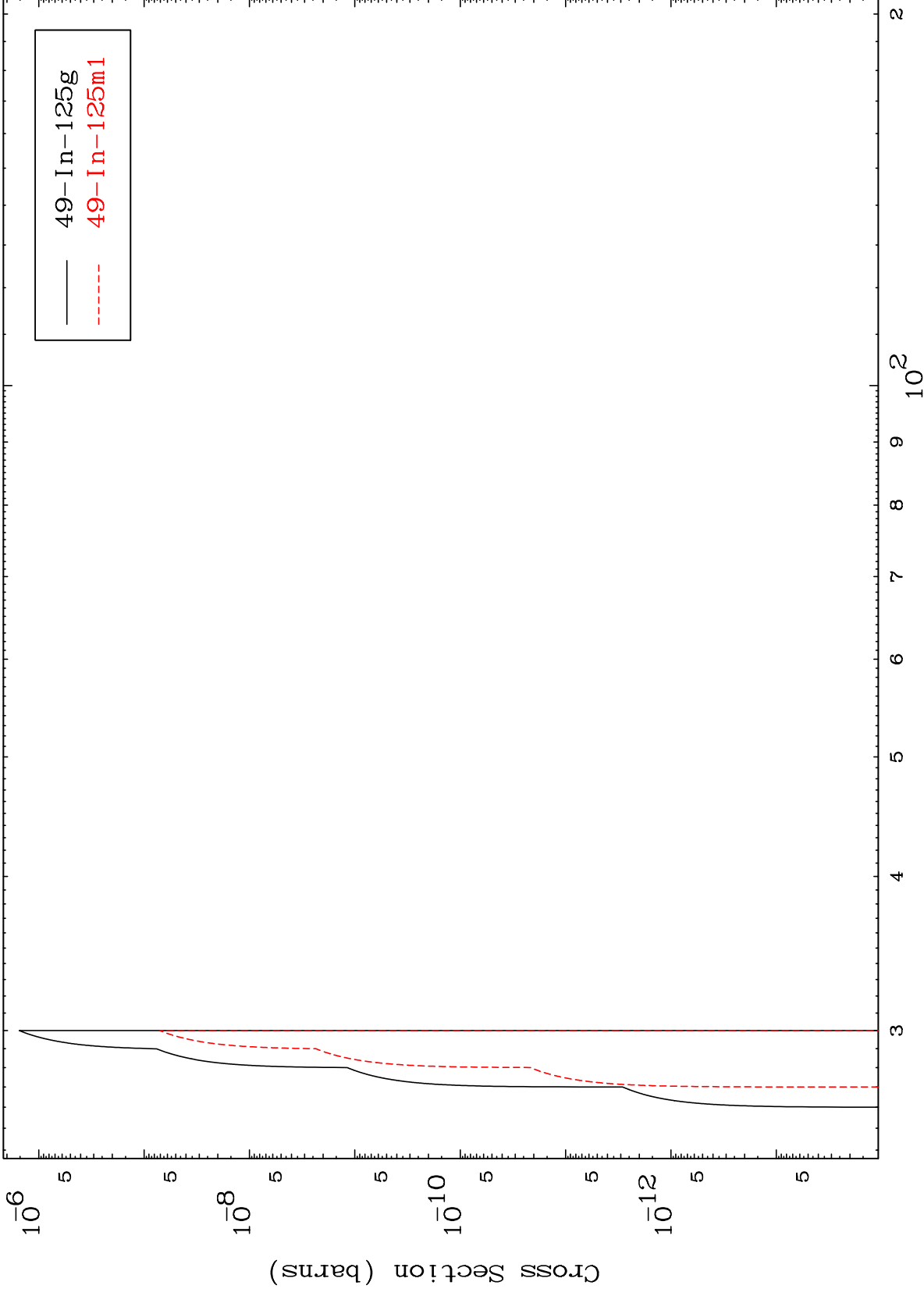


MAT 5073

(n,2n) d

50-Sn-128

Radionuclide Production Cross Section



135

Incident Energy (MeV)

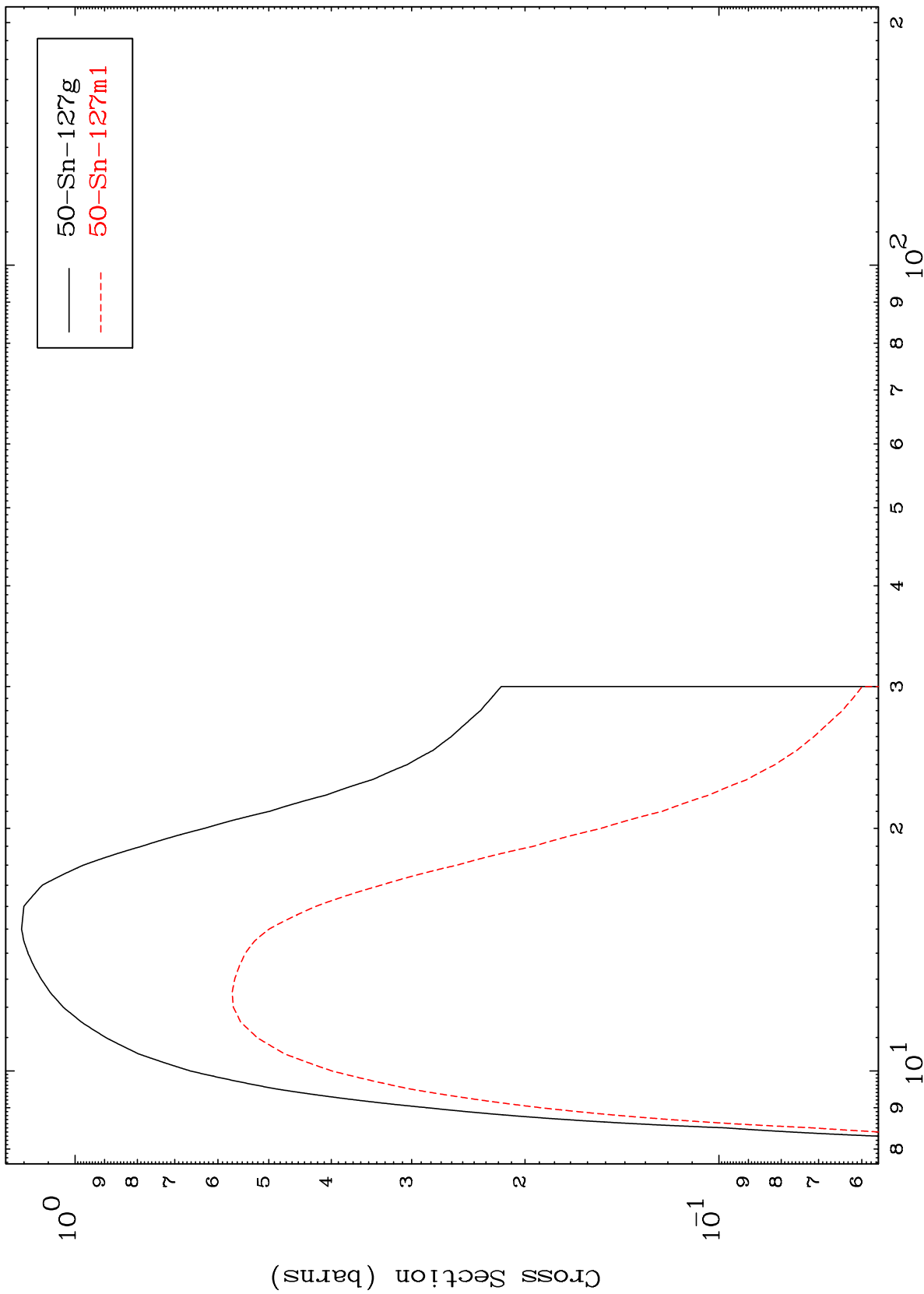
50-Sn-128



MAT 5073

50-Sn-128

(n,2n)  
Radionuclide Production Cross Section



136

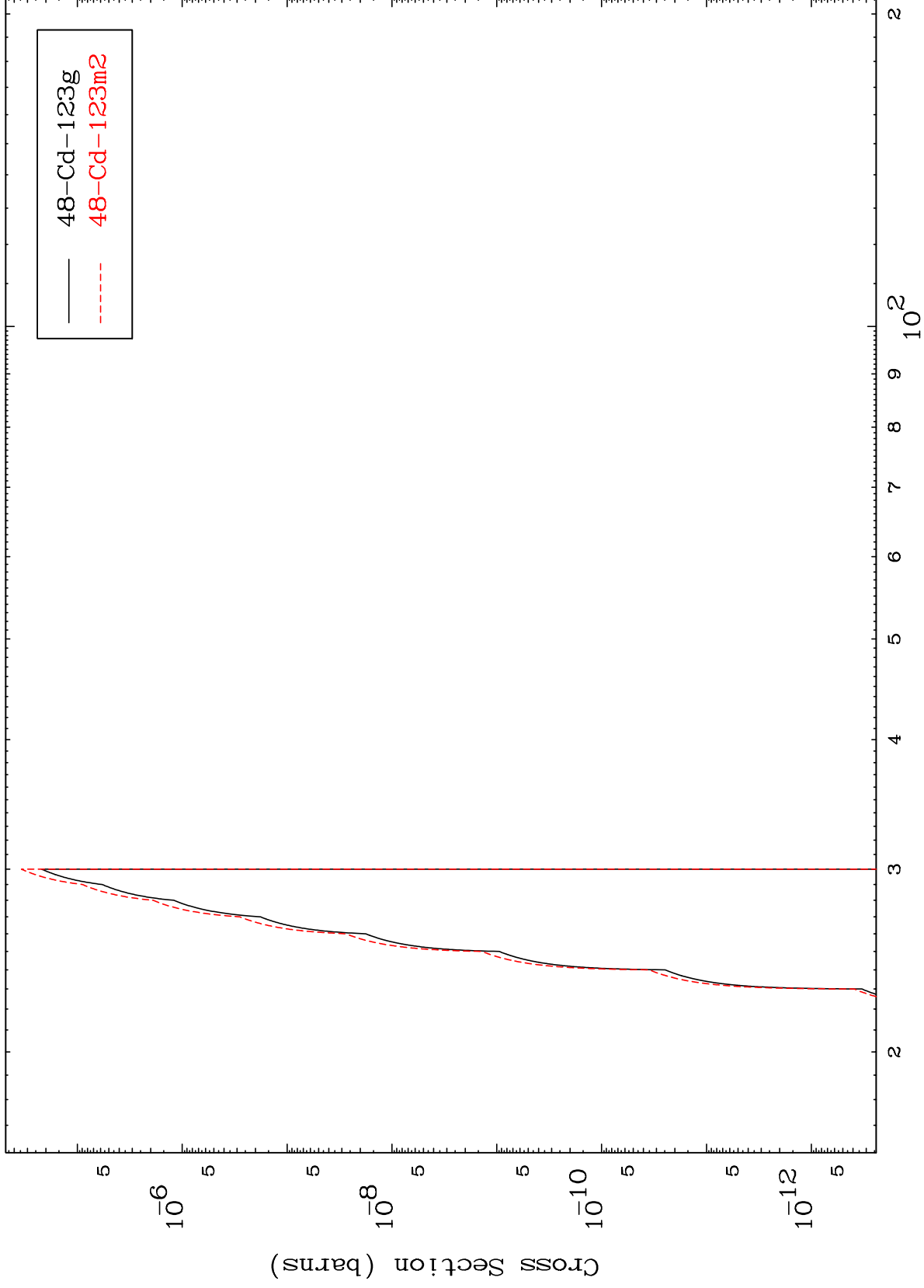
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

$(n,2n) \alpha$   
Radionuclide Production Cross Section

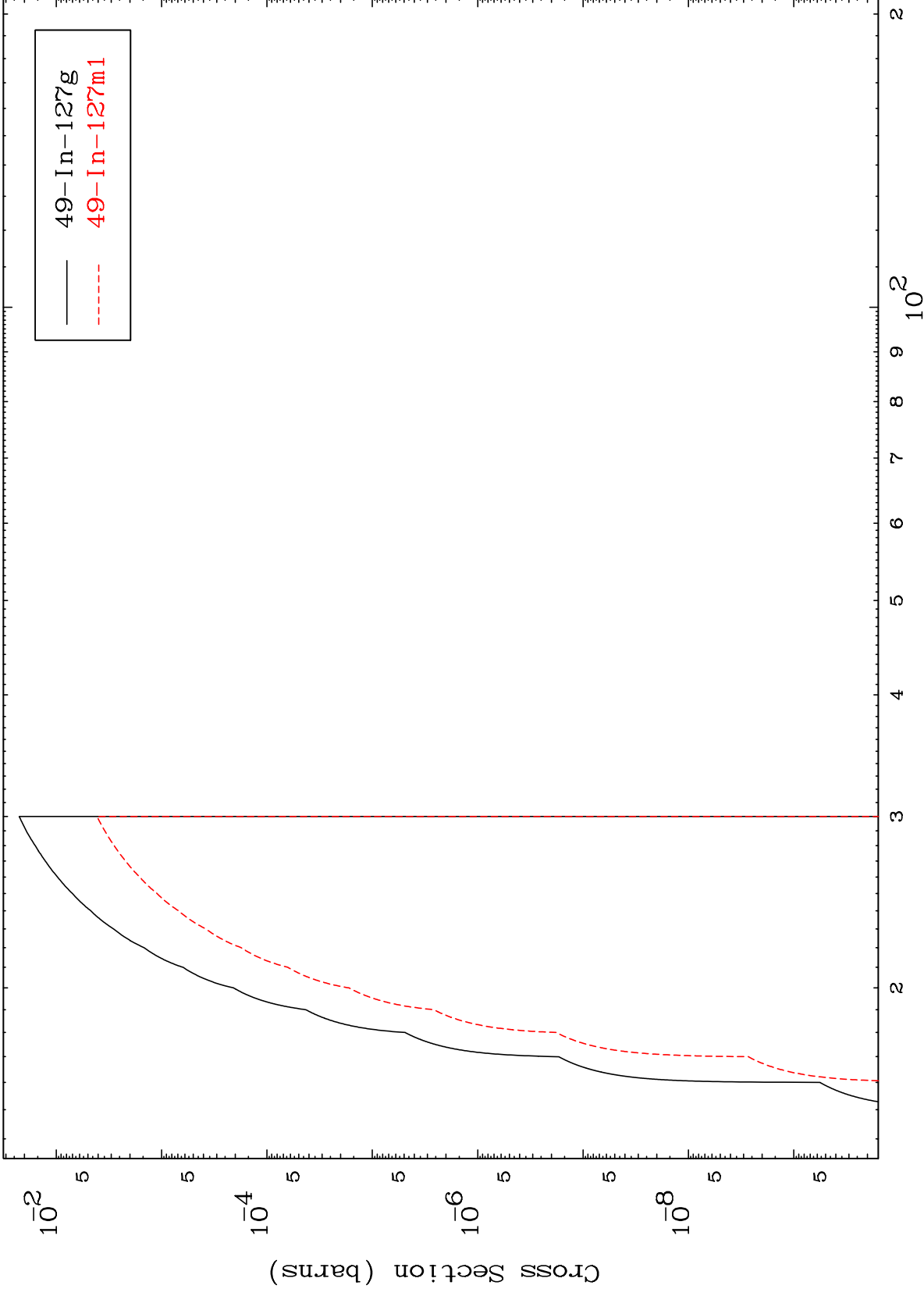


137

Incident Energy (MeV)

50-Sn-128

Radionuclide Production Cross Section

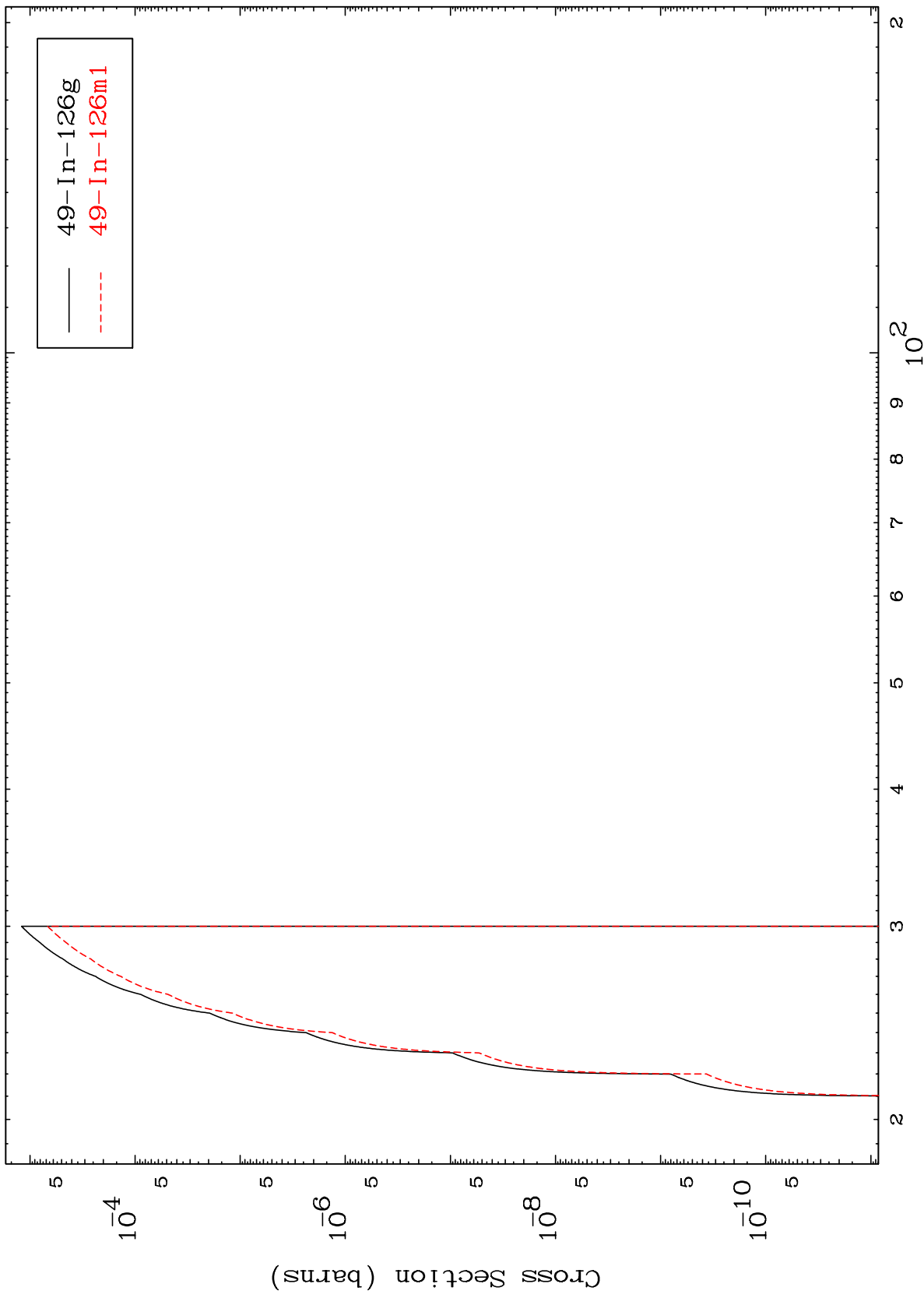


49-In-127g  
49-In-127m1

MAT 5073

50-Sn-128

$(n, n') d$   
Radionuclide Production Cross Section



139

Incident Energy (MeV)

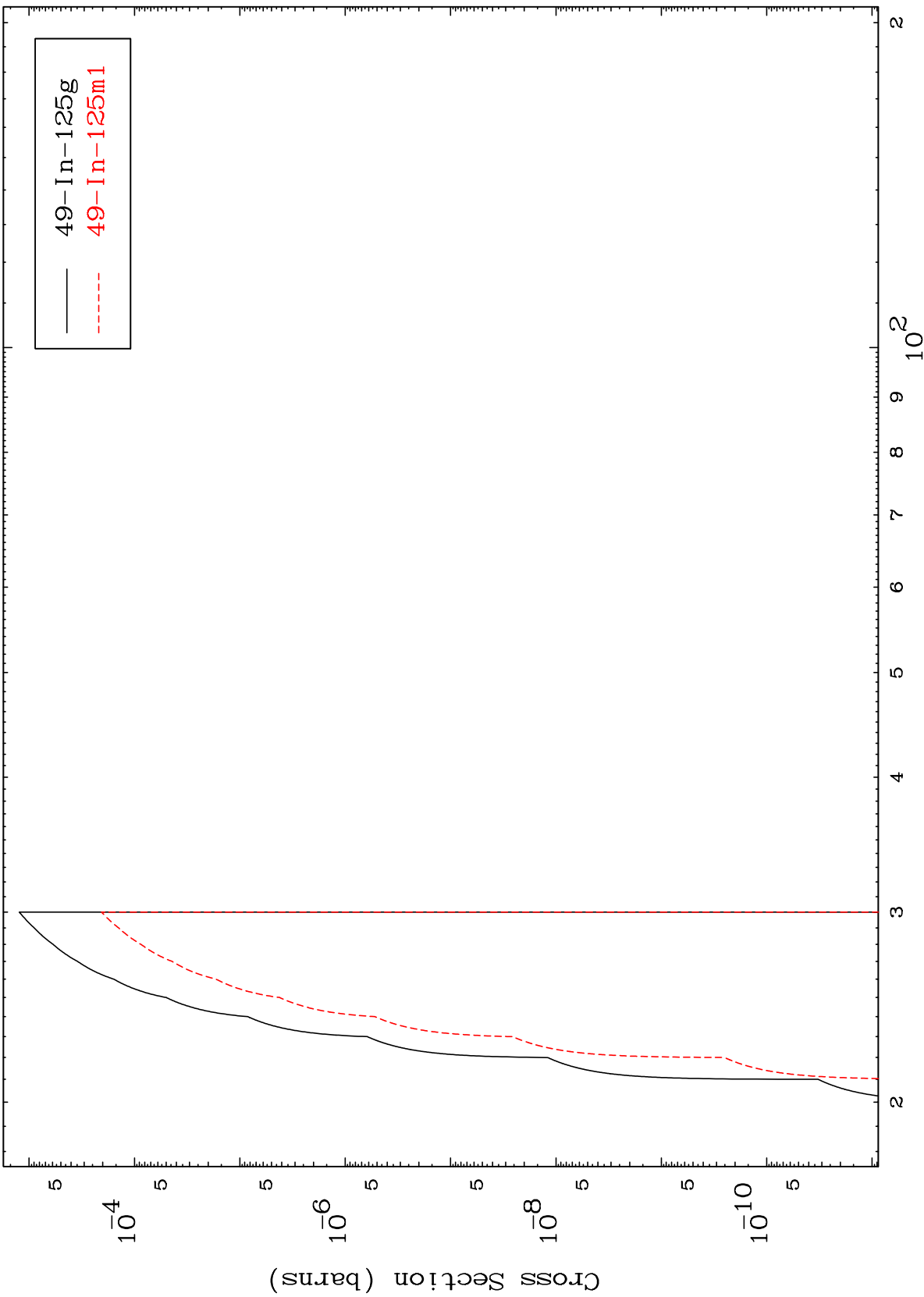
50-Sn-128

MAT 5073

(n,n') t

50-Sn-128

Radionuclide Production Cross Section



49-In-125g  
49-In-125m1

140

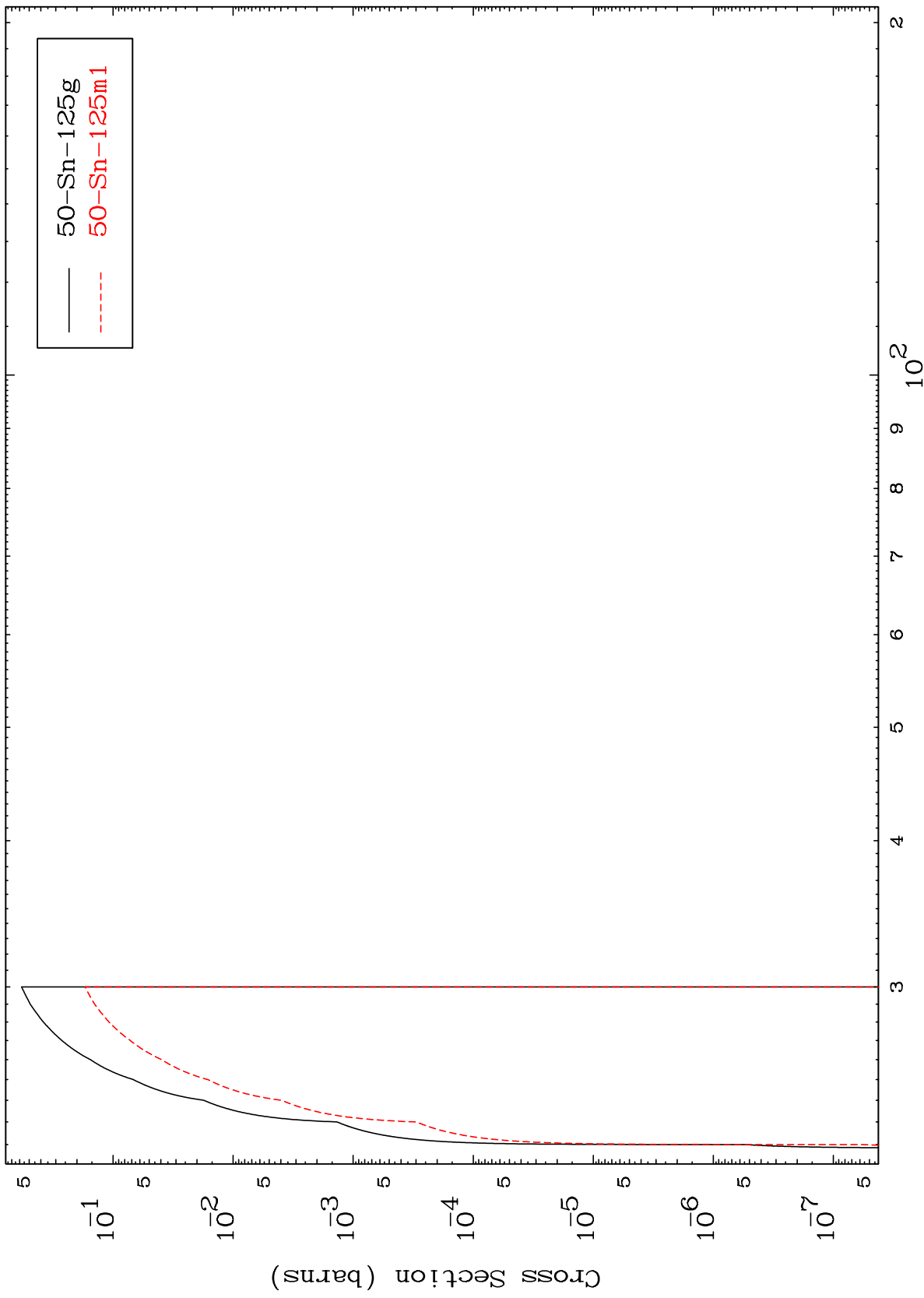
Incident Energy (MeV)

50-Sn-128

MAT 5073

50-Sn-128

(n,4n)  
Radionuclide Production Cross Section



141

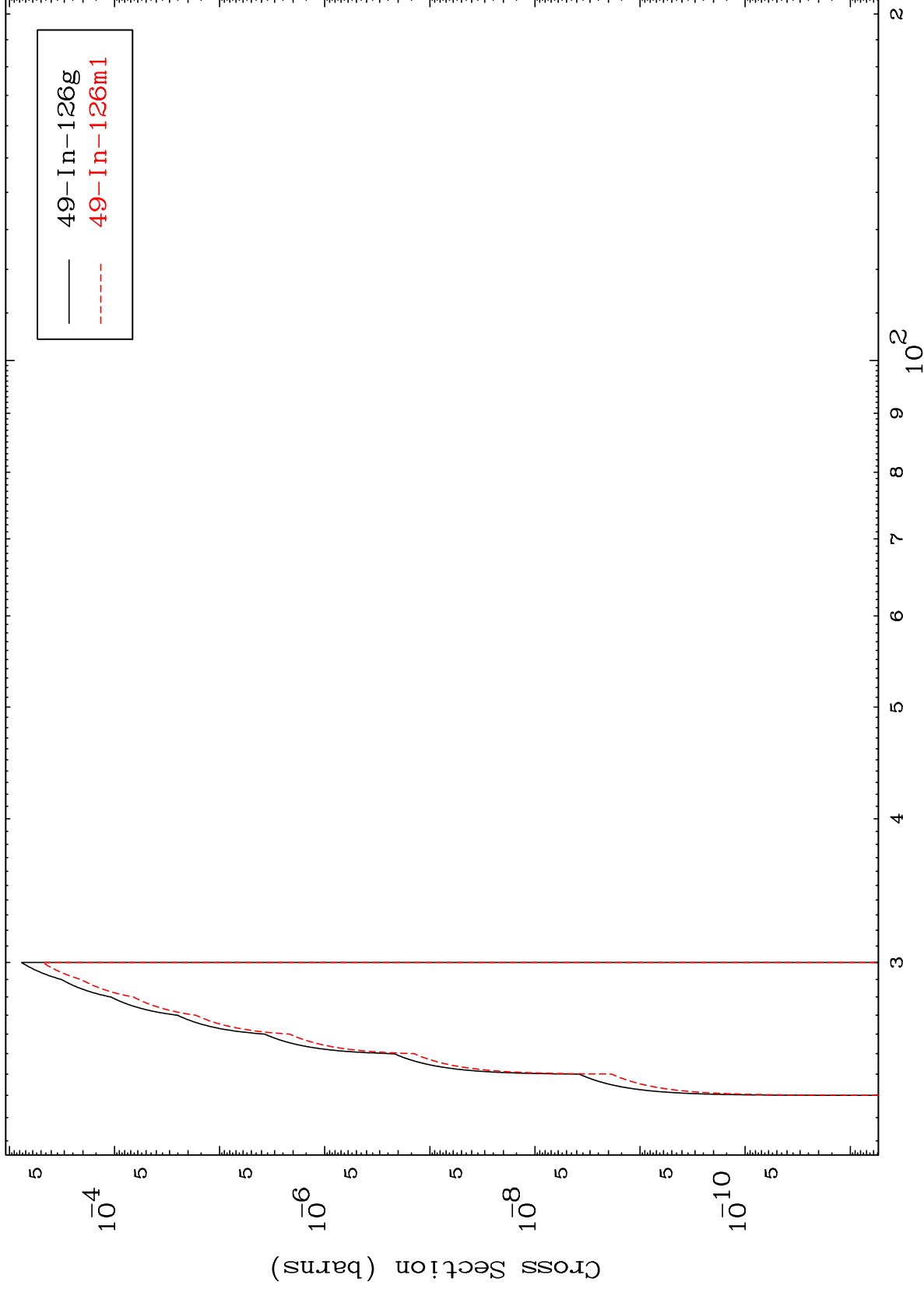
50-Sn-128

Incident Energy (MeV)

MAT 5073

50-Sn-128

(n,2n) p  
Radionuclide Production Cross Section



142

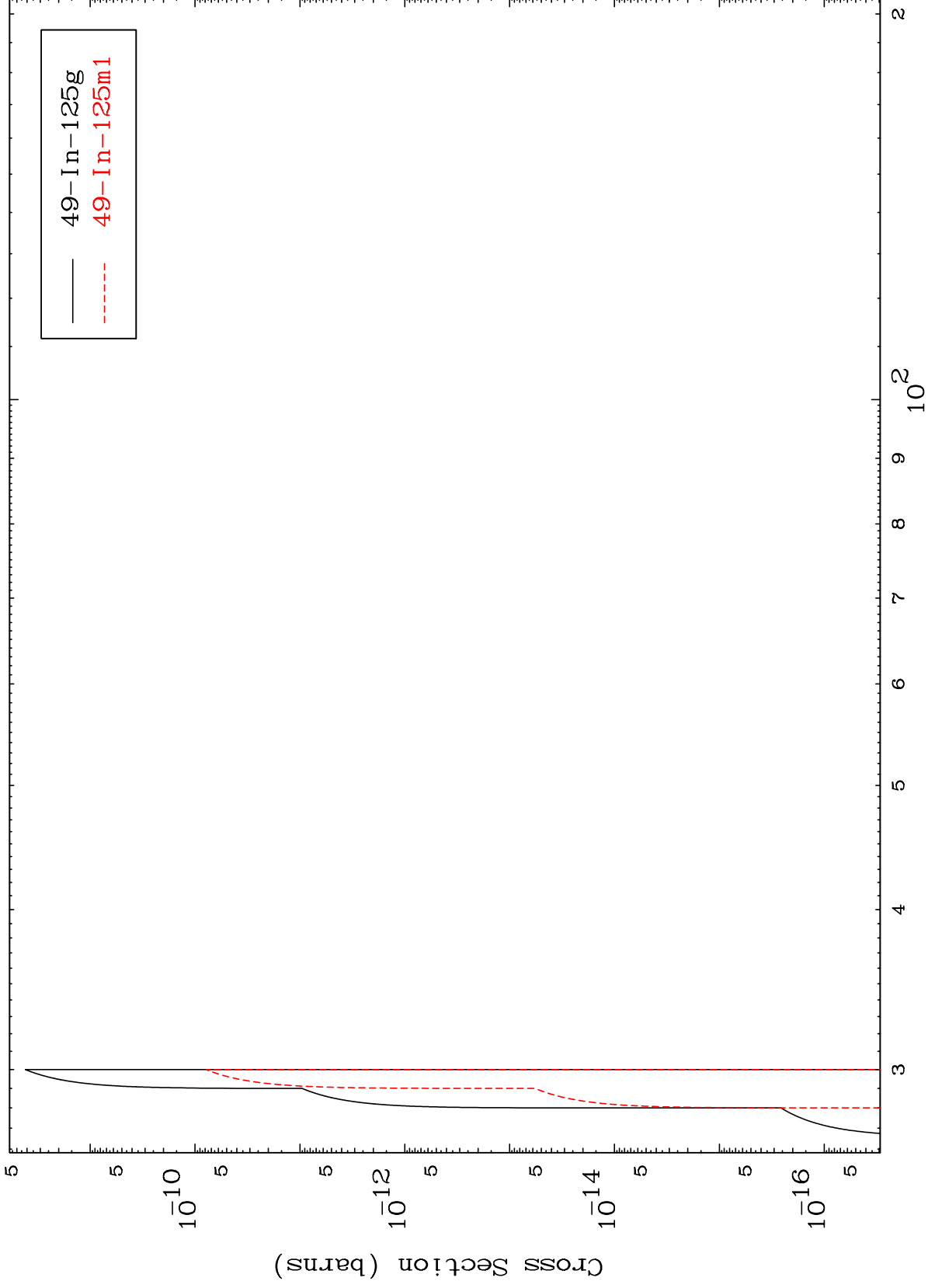
50-Sn-128

MAT 5073

(n,3n) p

50-Sn-128

Radionuclide Production Cross Section



143

Incident Energy (MeV)

50-Sn-128



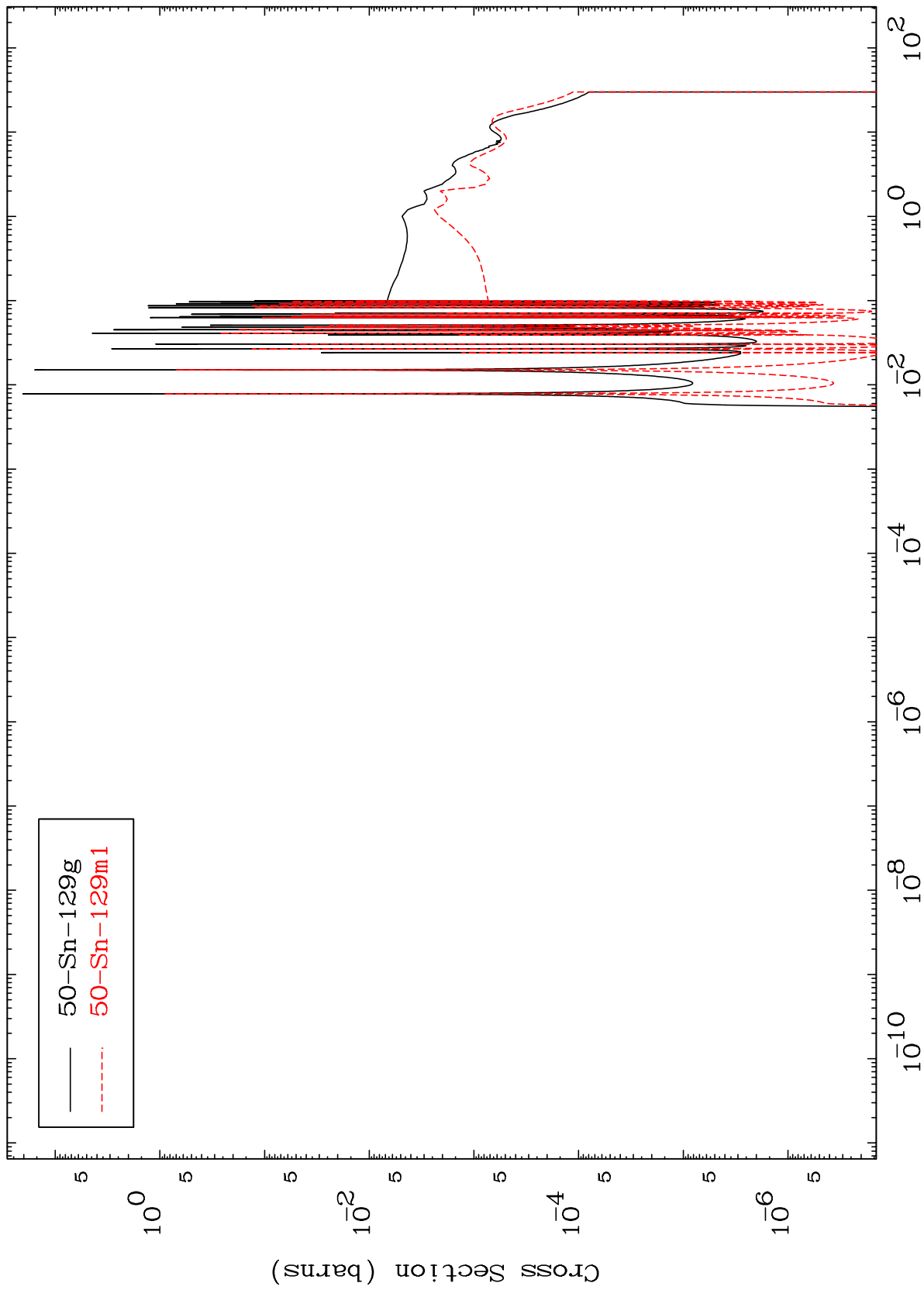
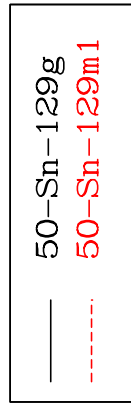
MAT 5073

50-Sn-128

50-Sn-128

Incident Energy (MeV)

Radionuclide Production Cross Section

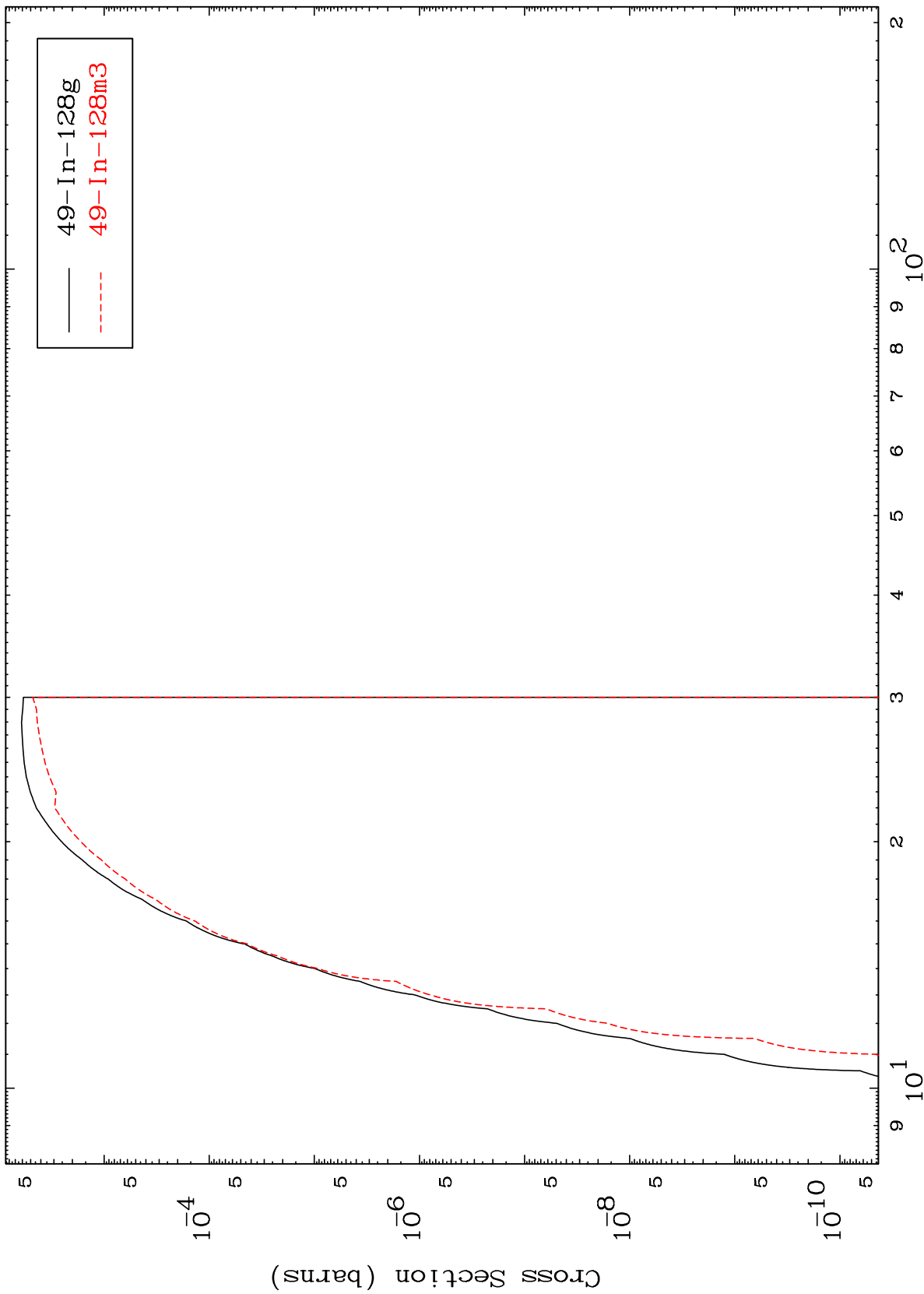


144

MAT 5073

50-Sn-128

(n,p)  
Radionuclide Production Cross Section



— 49-In-128g  
- - - 49-In-128m3

50-Sn-128

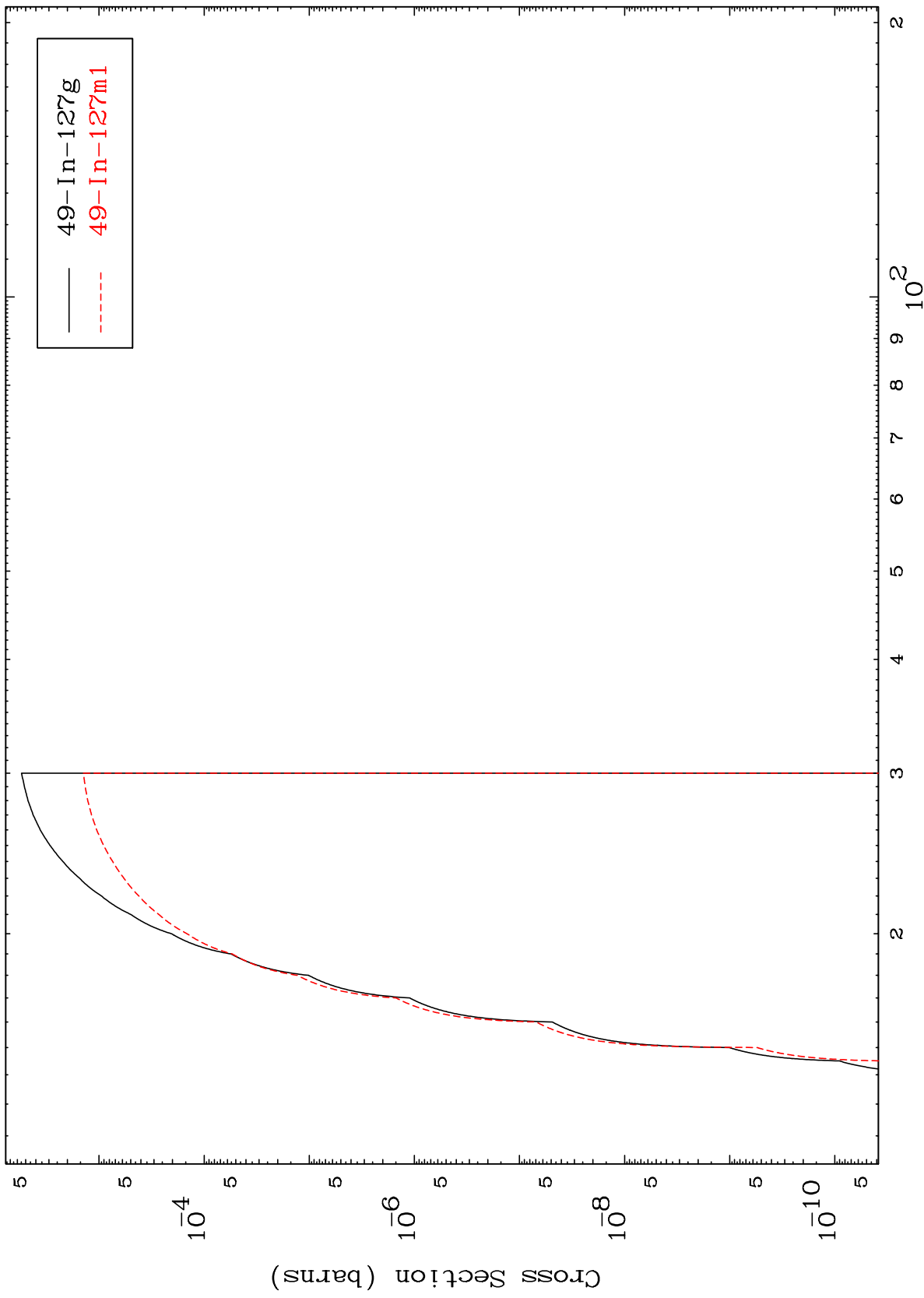
Incident Energy (MeV)

145

MAT 5073

50-Sn-128

(n,d)  
Radionuclide Production Cross Section



146

Incident Energy (MeV)

50-Sn-128

(n,t)  
Radionuclide Production Cross Section

