

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

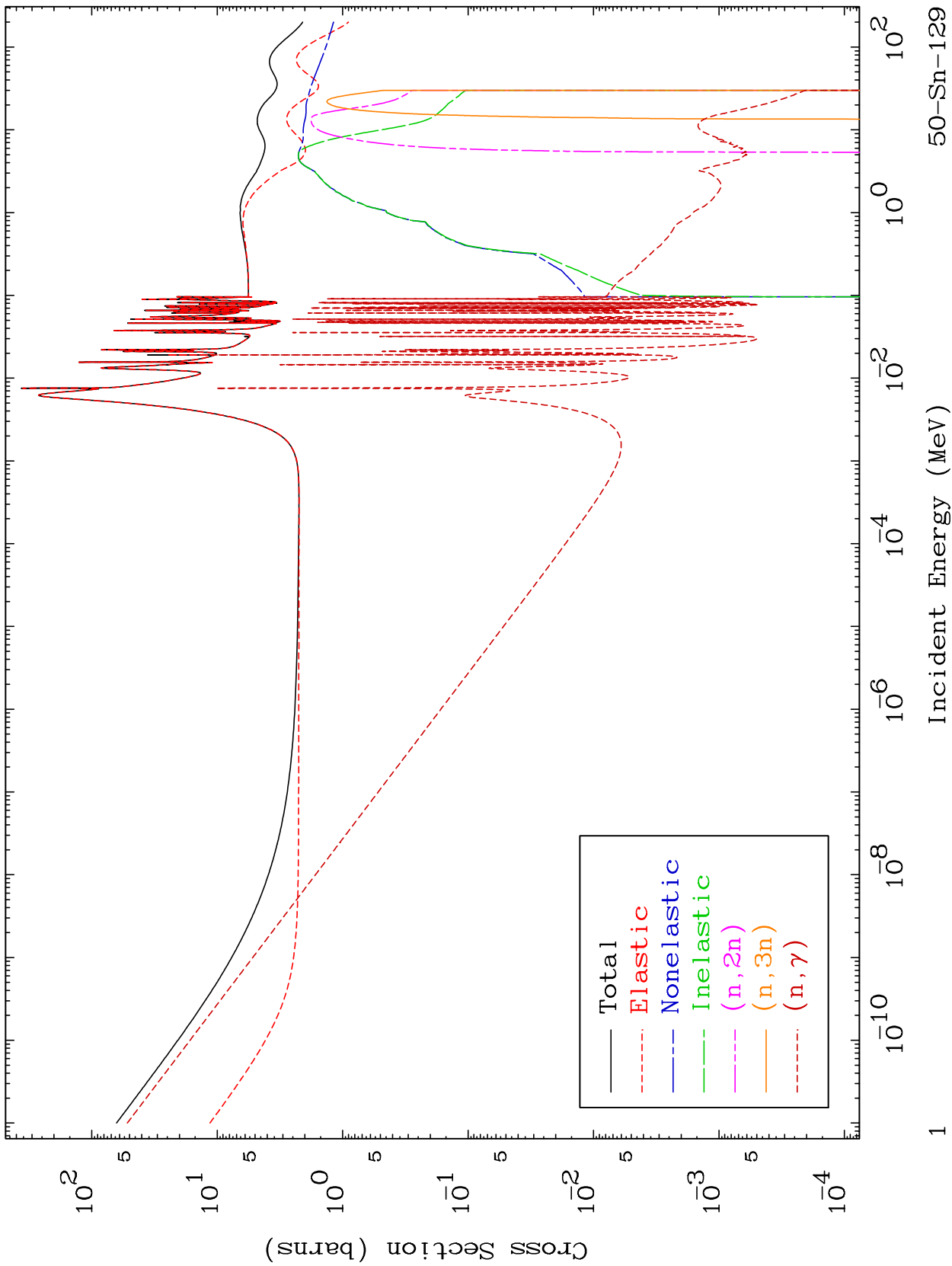
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5076

Neutron Major
293 Kelvin Cross Sections

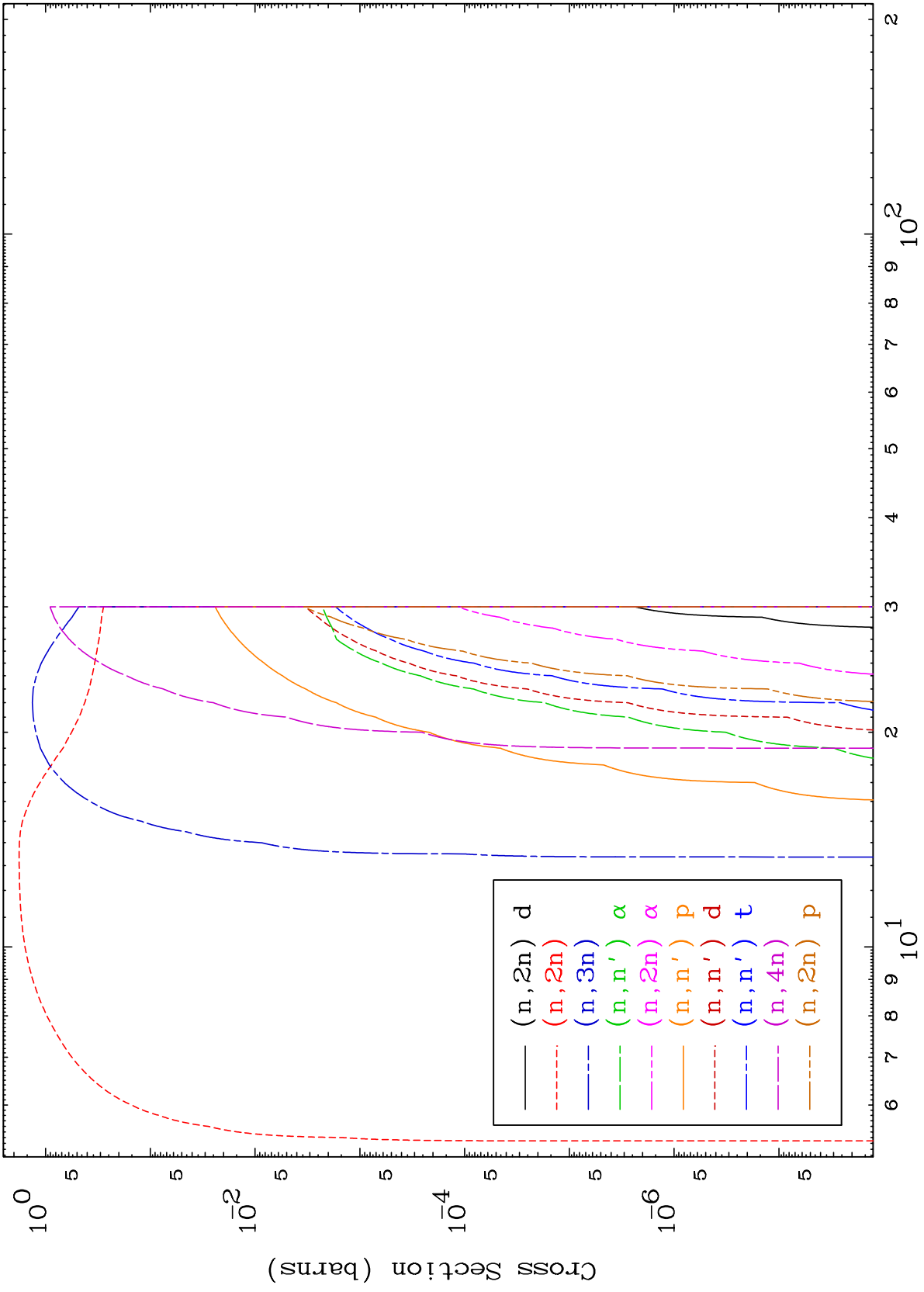
50-Sn-129



MAT 5076

Neutron Absorption
293 Kelvin Cross Sections

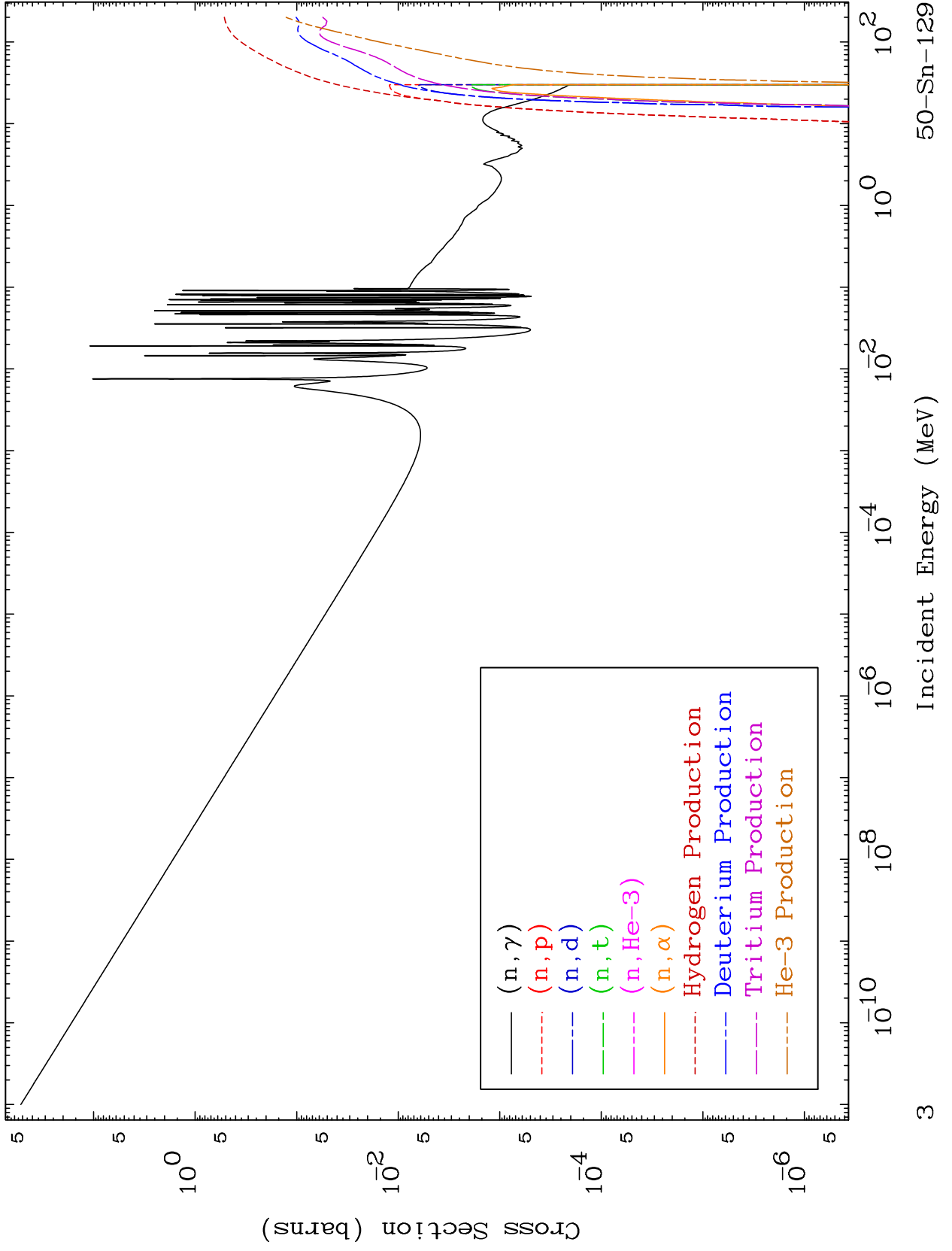
50-Sn-129



MAT 5076

Neutron Absorption
293 Kelvin Cross Sections

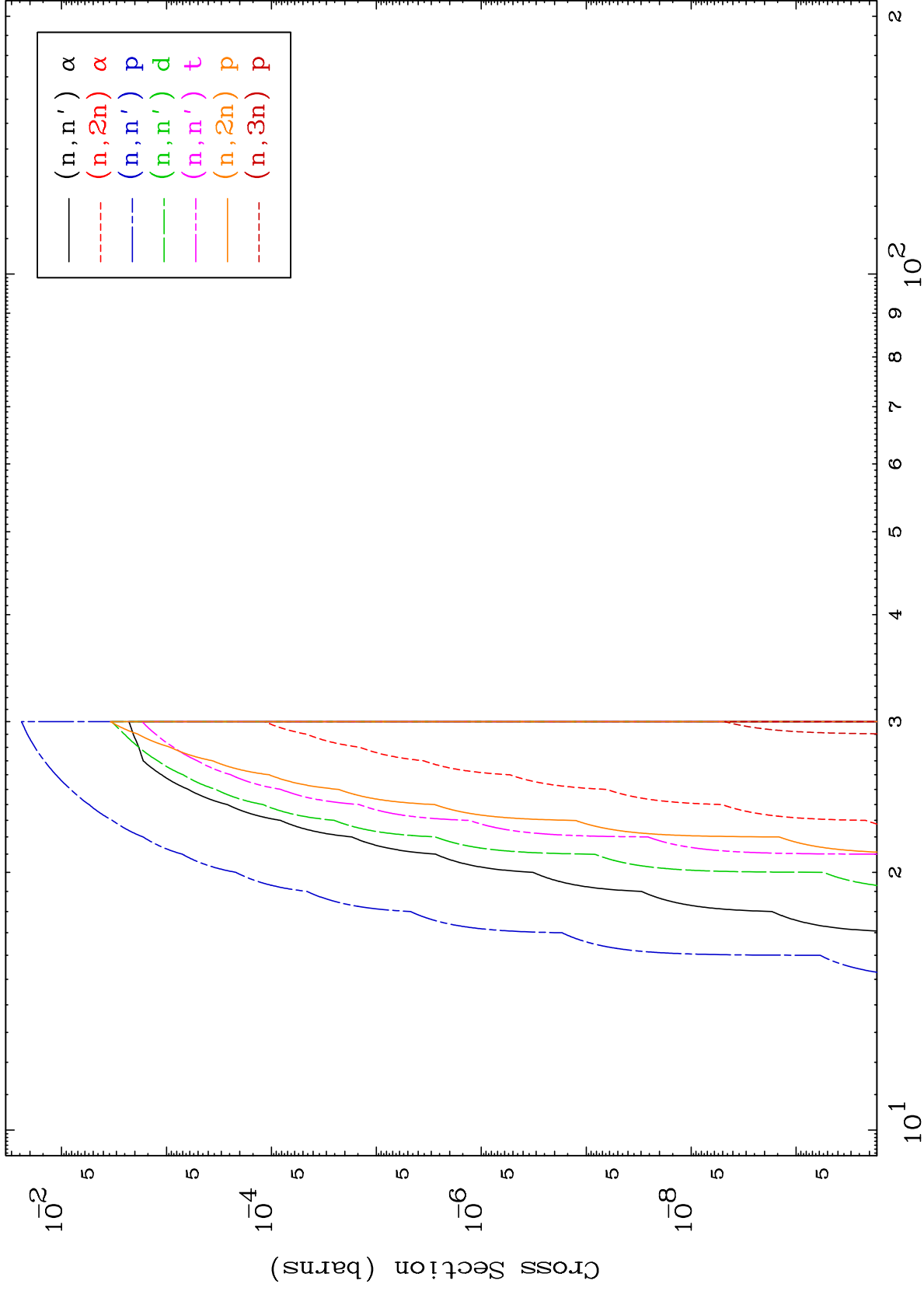
50-Sn-129



MAT 5076

Charged Particle
293 Kelvin Cross Sections

50-Sn-129



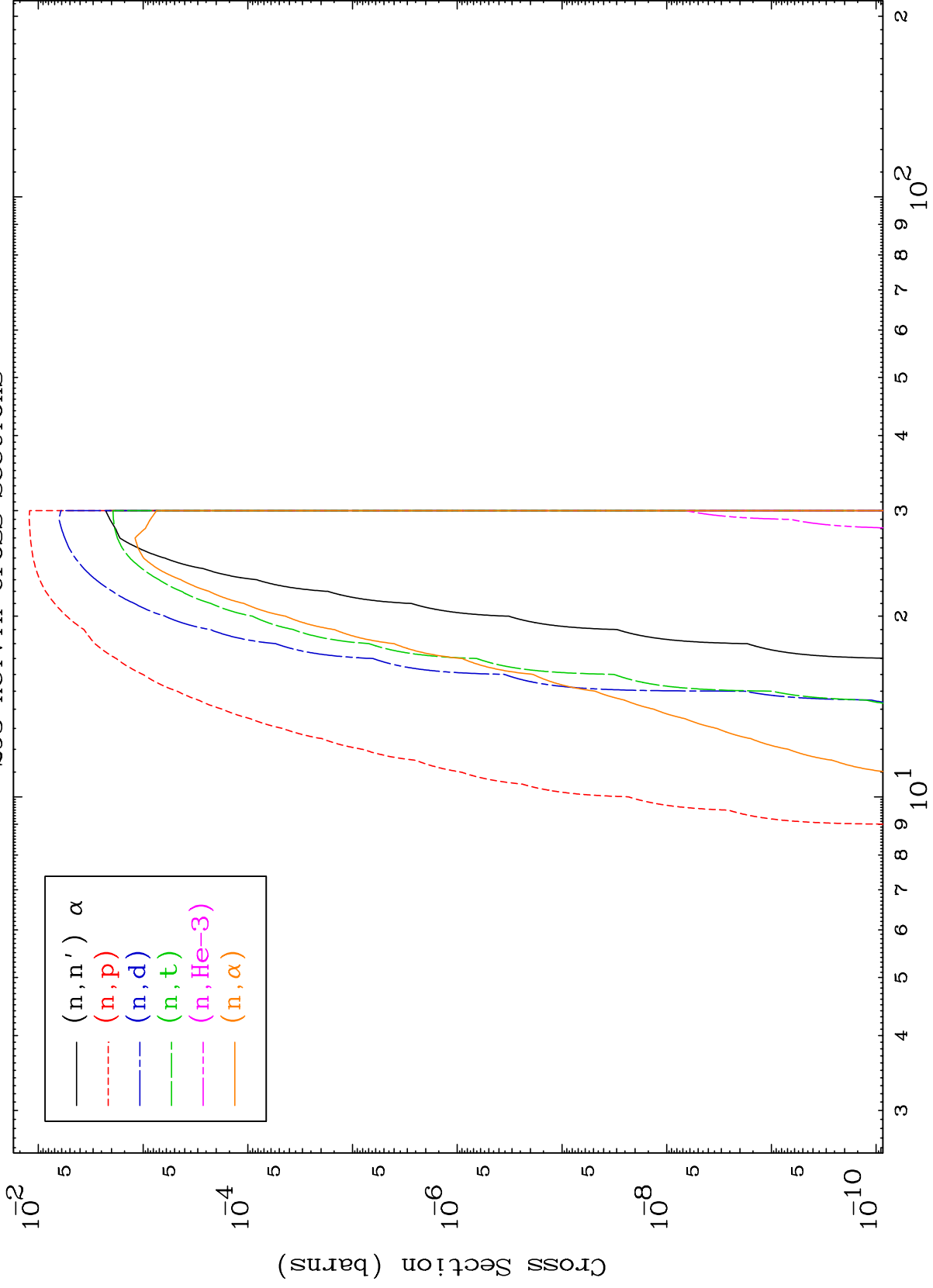
Incident Energy (MeV)

50-Sn-129

MAT 5076

Charged Particle
293 Kelvin Cross Sections

50-Sn-129



5

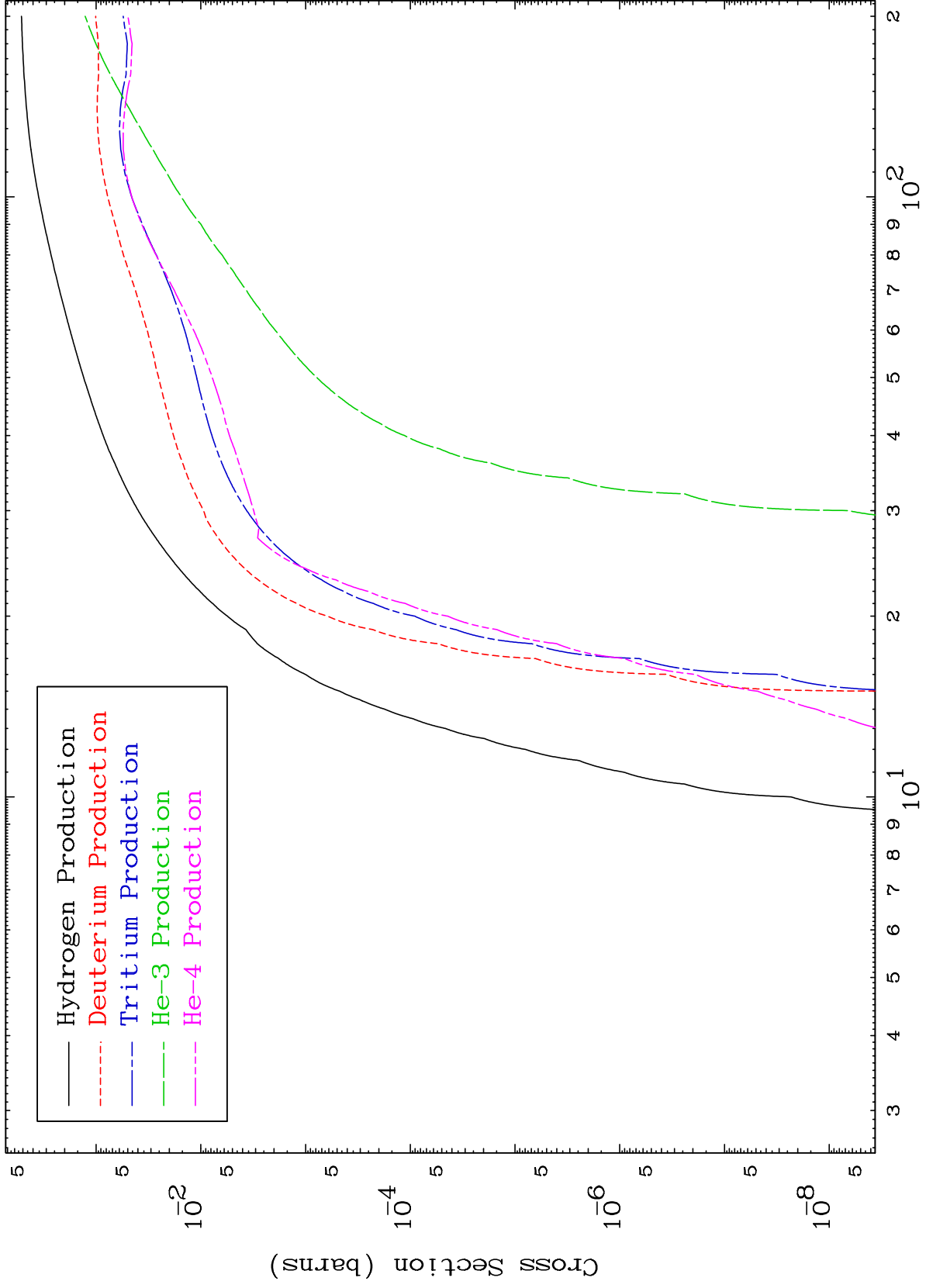
Incident Energy (MeV)

50-Sn-129

MAT 5076

Particle Production
293 Kelvin Cross Sections

50-Sn-129



6

Incident Energy (MeV)

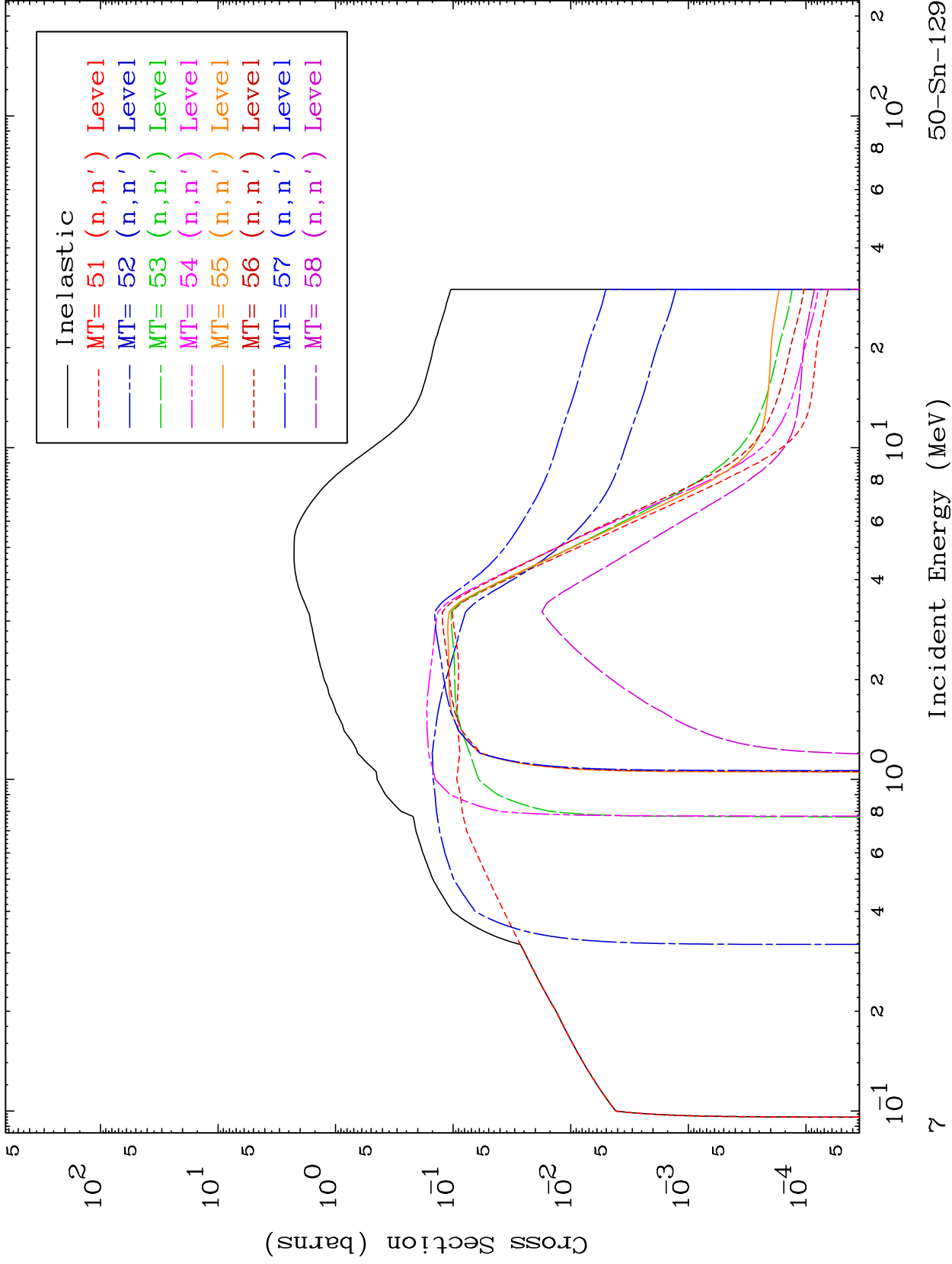
50-Sn-129

MAT 5076

(n,n') Levels

50-Sn-129

293 Kelvin Cross Sections



50-Sn-129

Incident Energy (MeV)

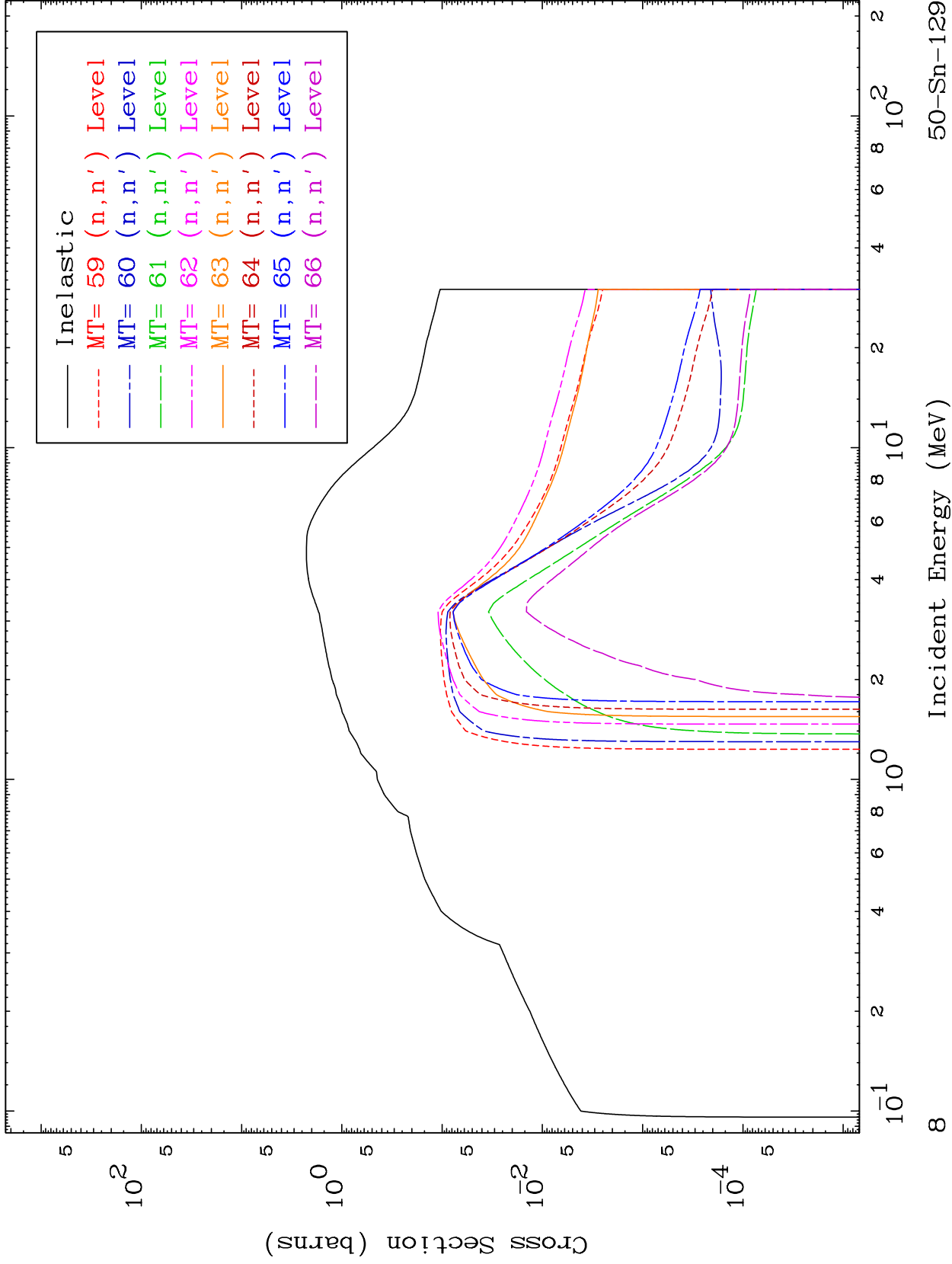
7

MAT 5076

(n,n') Levels

50-Sn-129

293 Kelvin Cross Sections



50-Sn-129

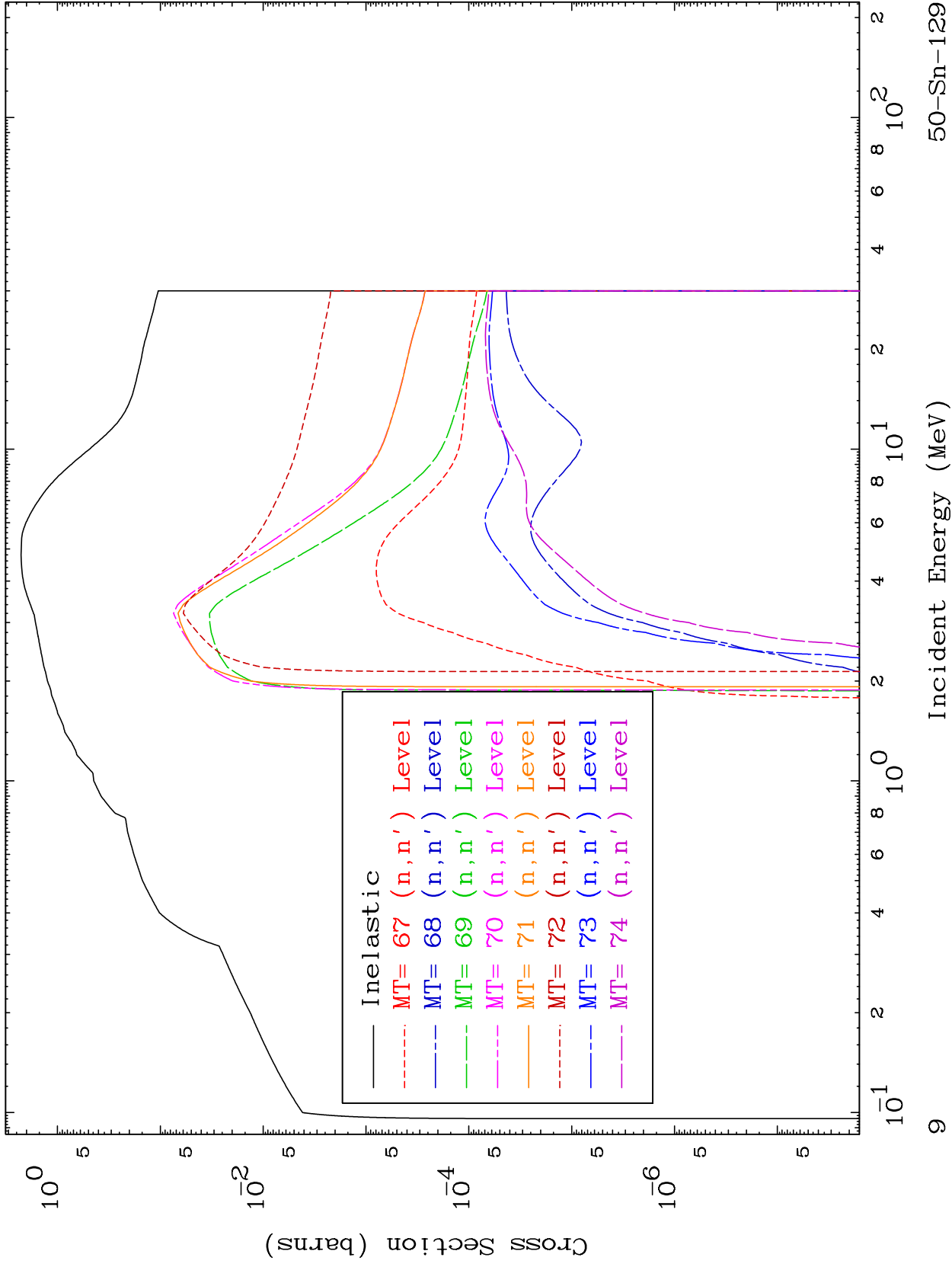
Incident Energy (MeV)

8

MAT 5076

293 Kelvin Cross Sections
(n,n') Levels

50-Sn-129



50-Sn-129

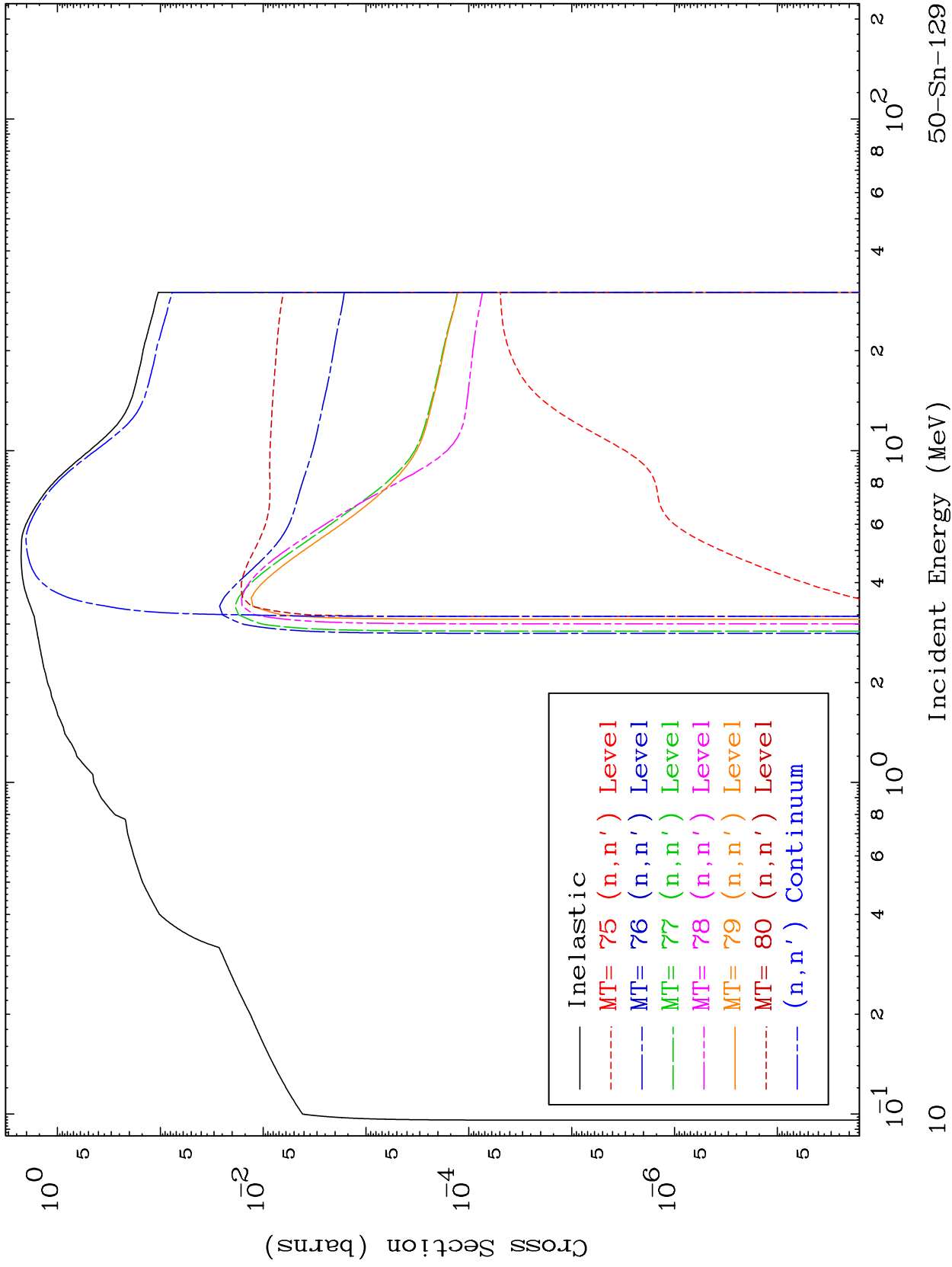
Incident Energy (MeV)

9

MAT 5076

293 Kelvin Cross Sections
(n,n') Levels

50-Sn-129



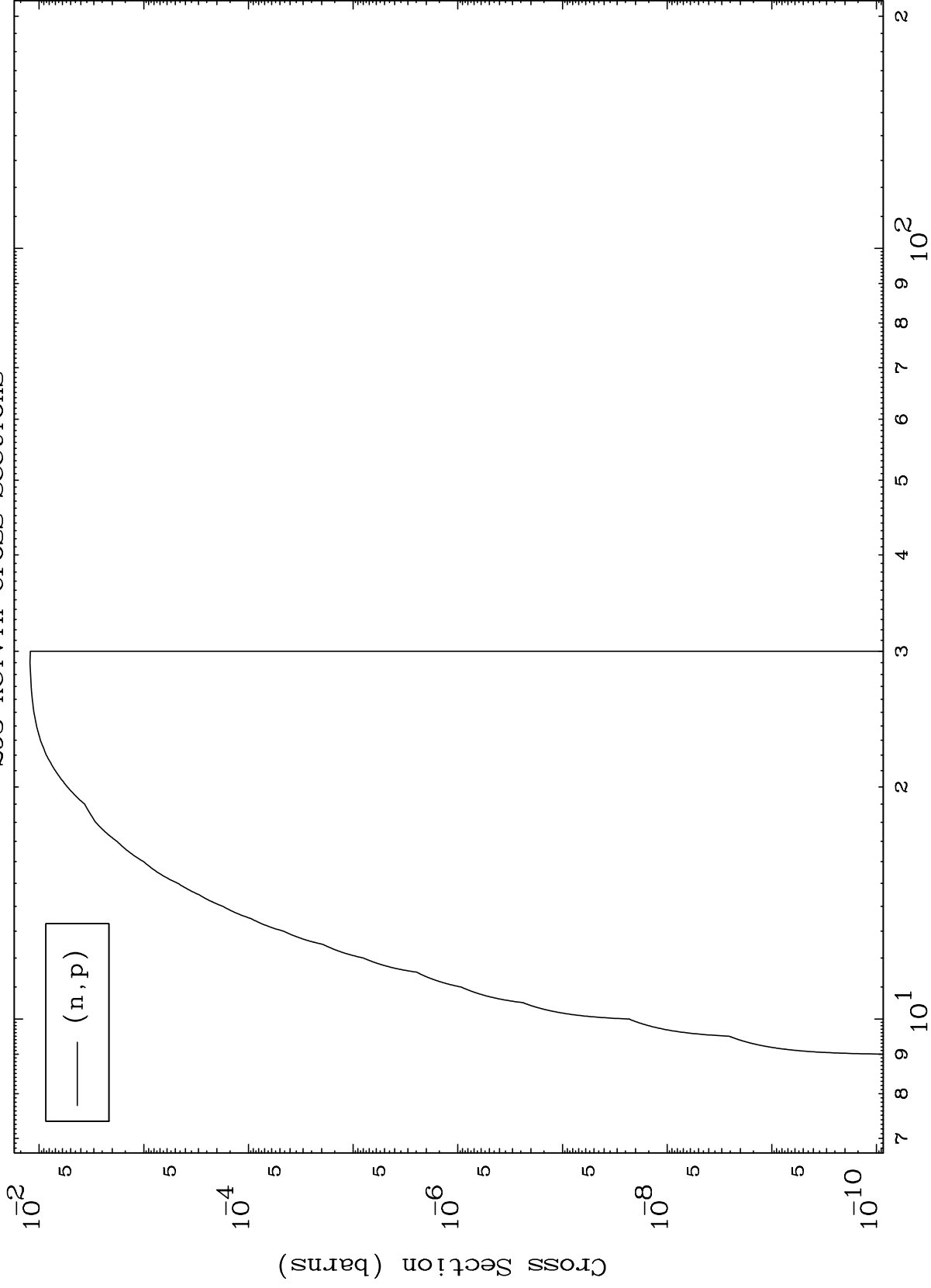
50-Sn-129

Incident Energy (MeV)

MAT 5076

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-129



11

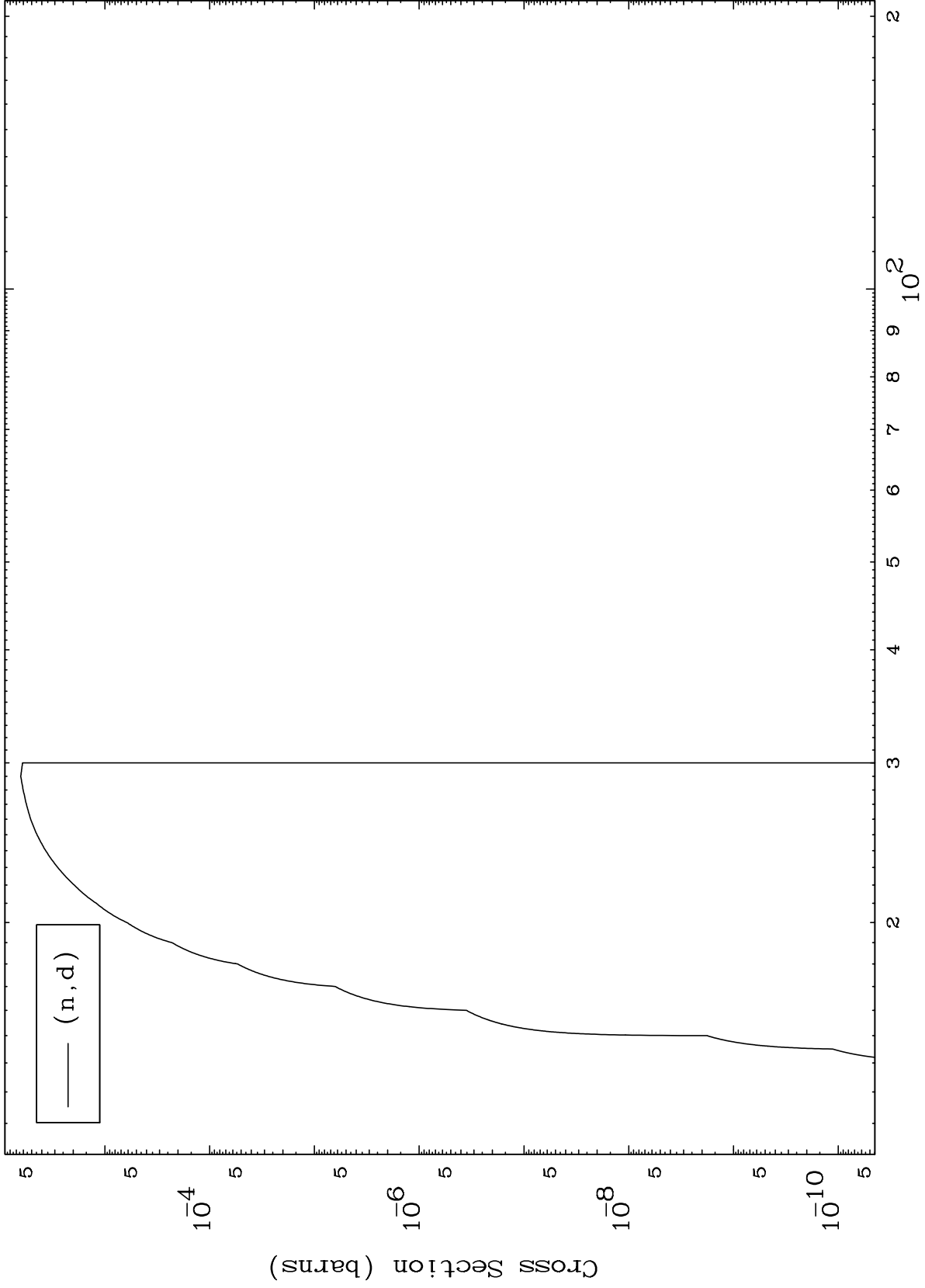
Incident Energy (MeV)

50-Sn-129

MAT 5076

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-129



12

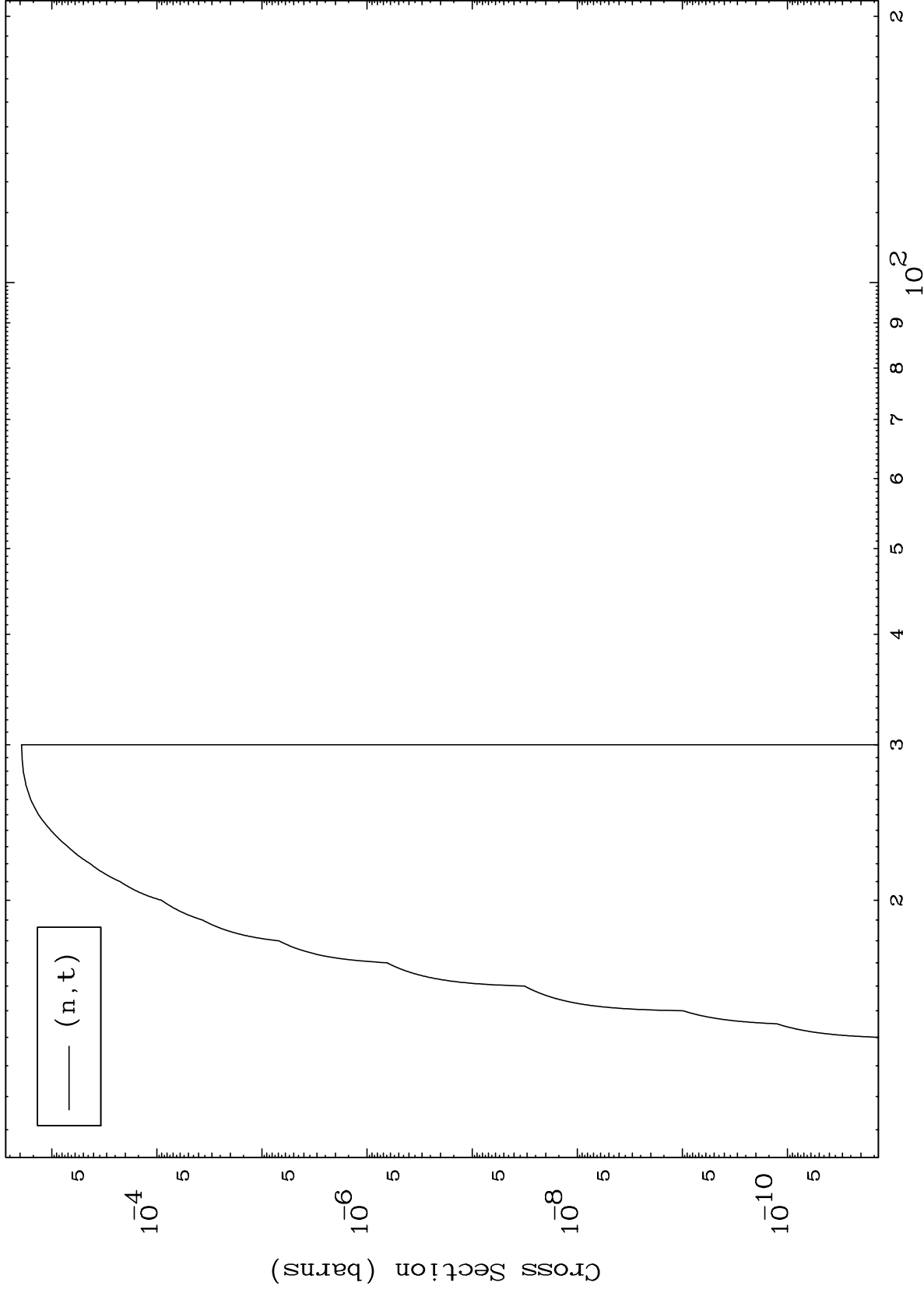
Incident Energy (MeV)

50-Sn-129

MAT 5076

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-129



13

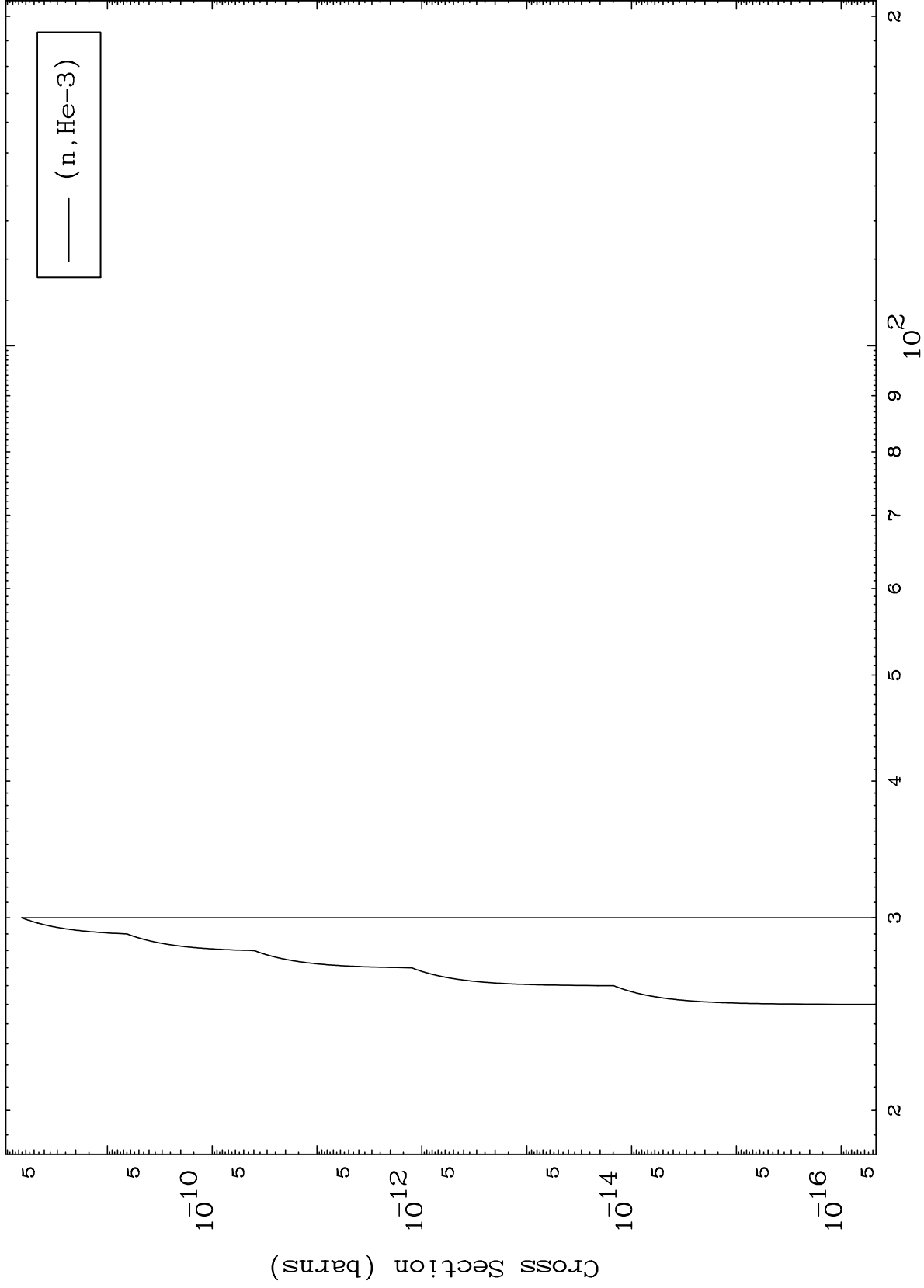
Incident Energy (MeV)

50-Sn-129

MAT 5076

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-129



14

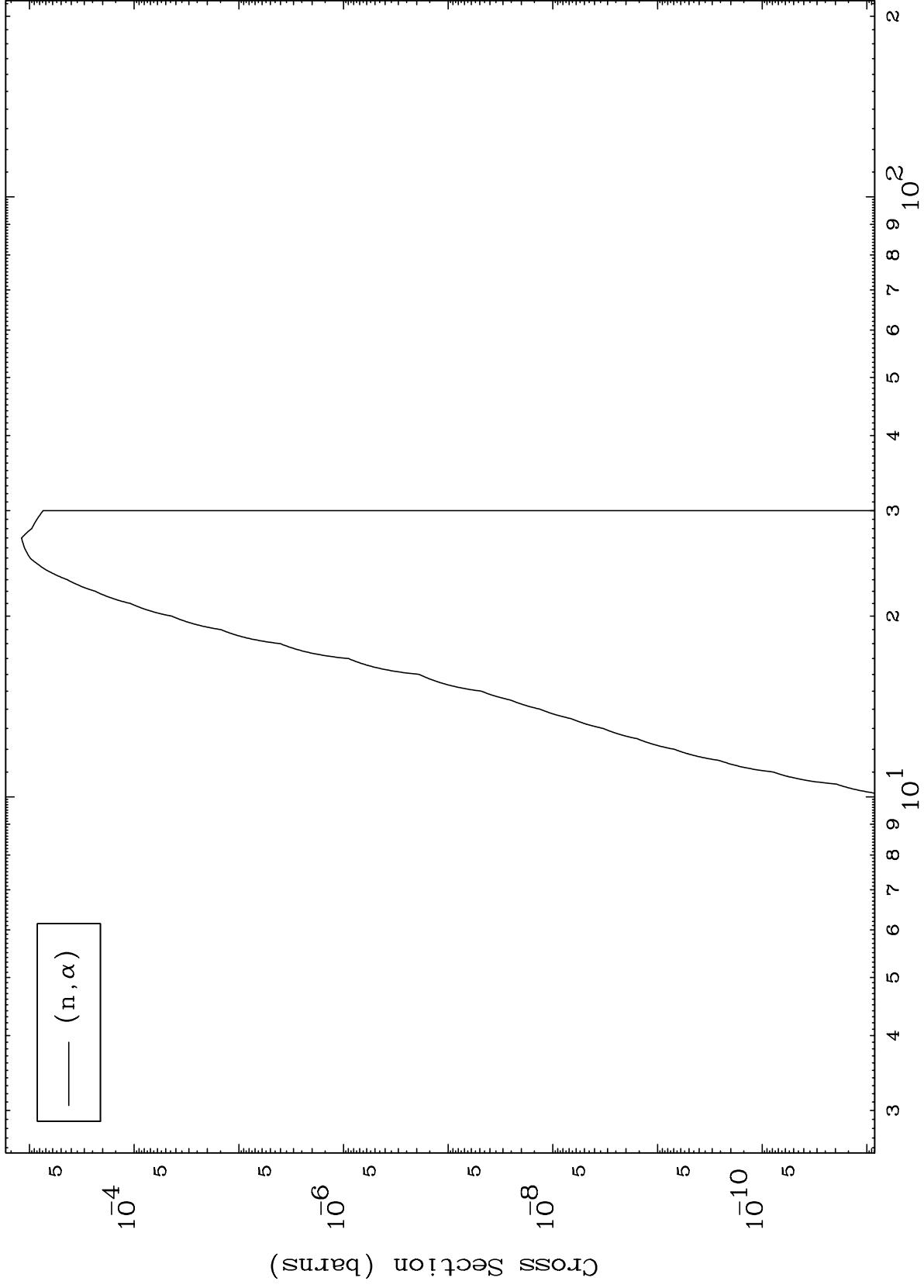
Incident Energy (MeV)

50-Sn-129

MAT 5076

(n, α) Levels
293 Kelvin Cross Sections

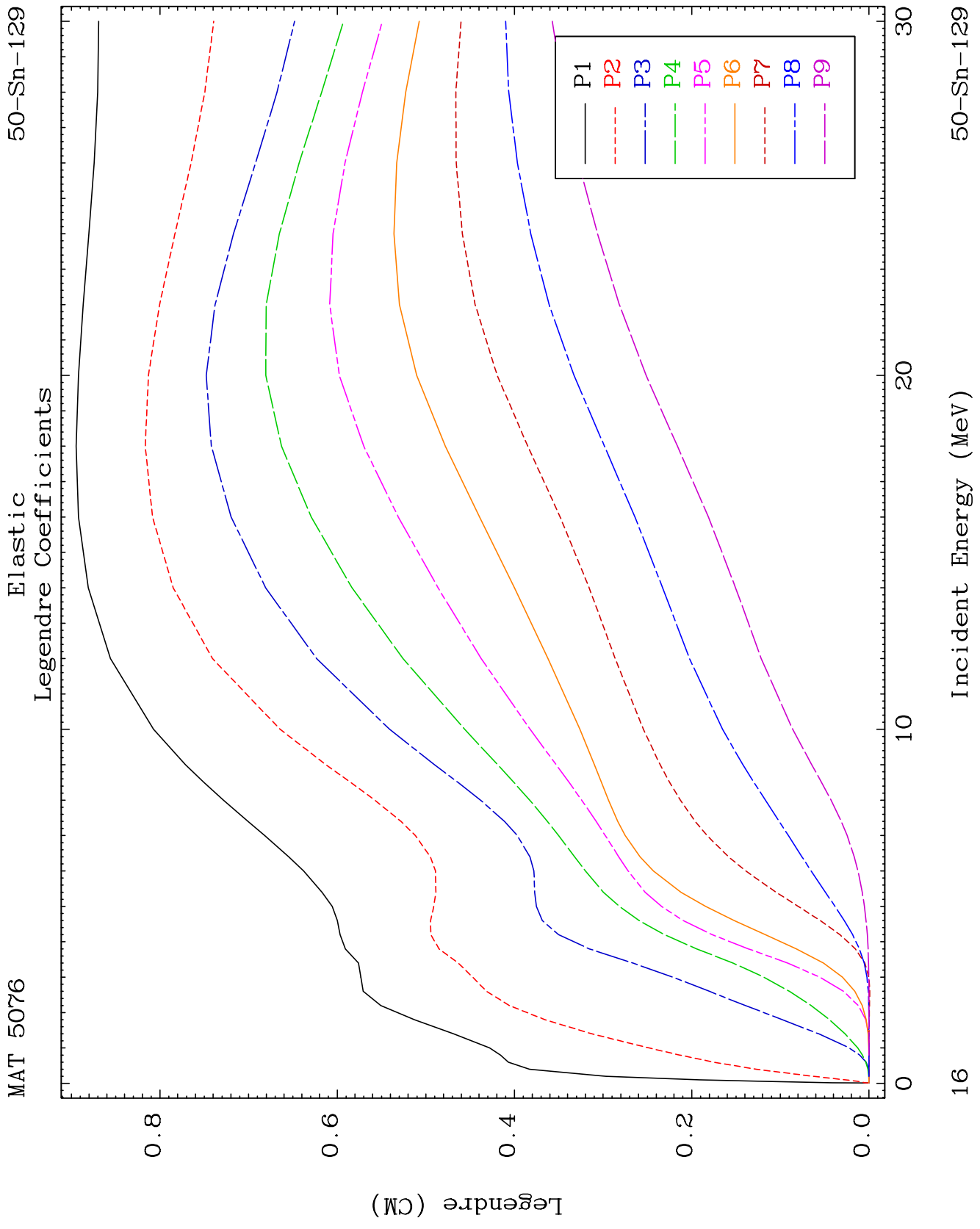
50-Sn-129

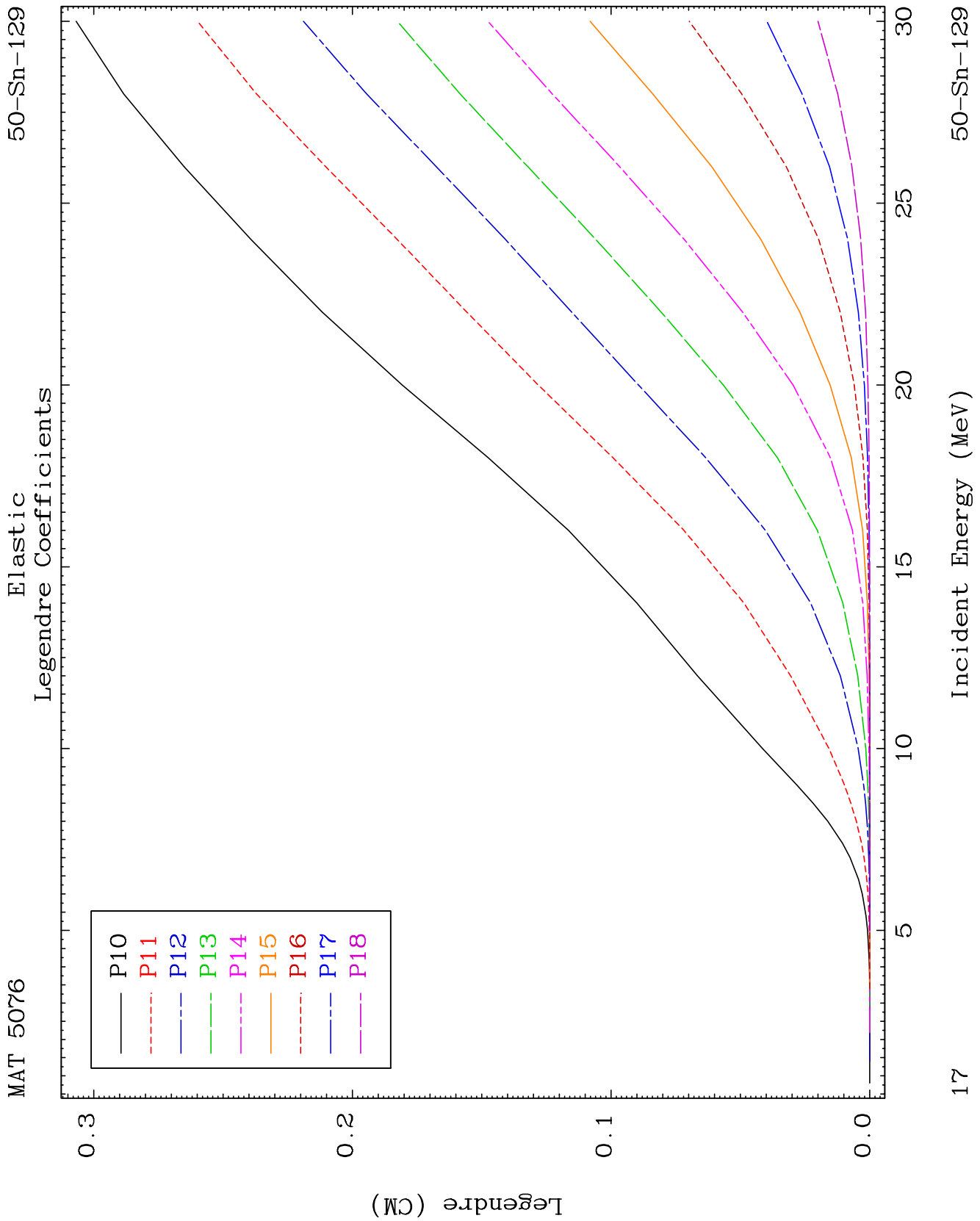


15

Incident Energy (MeV)

50-Sn-129

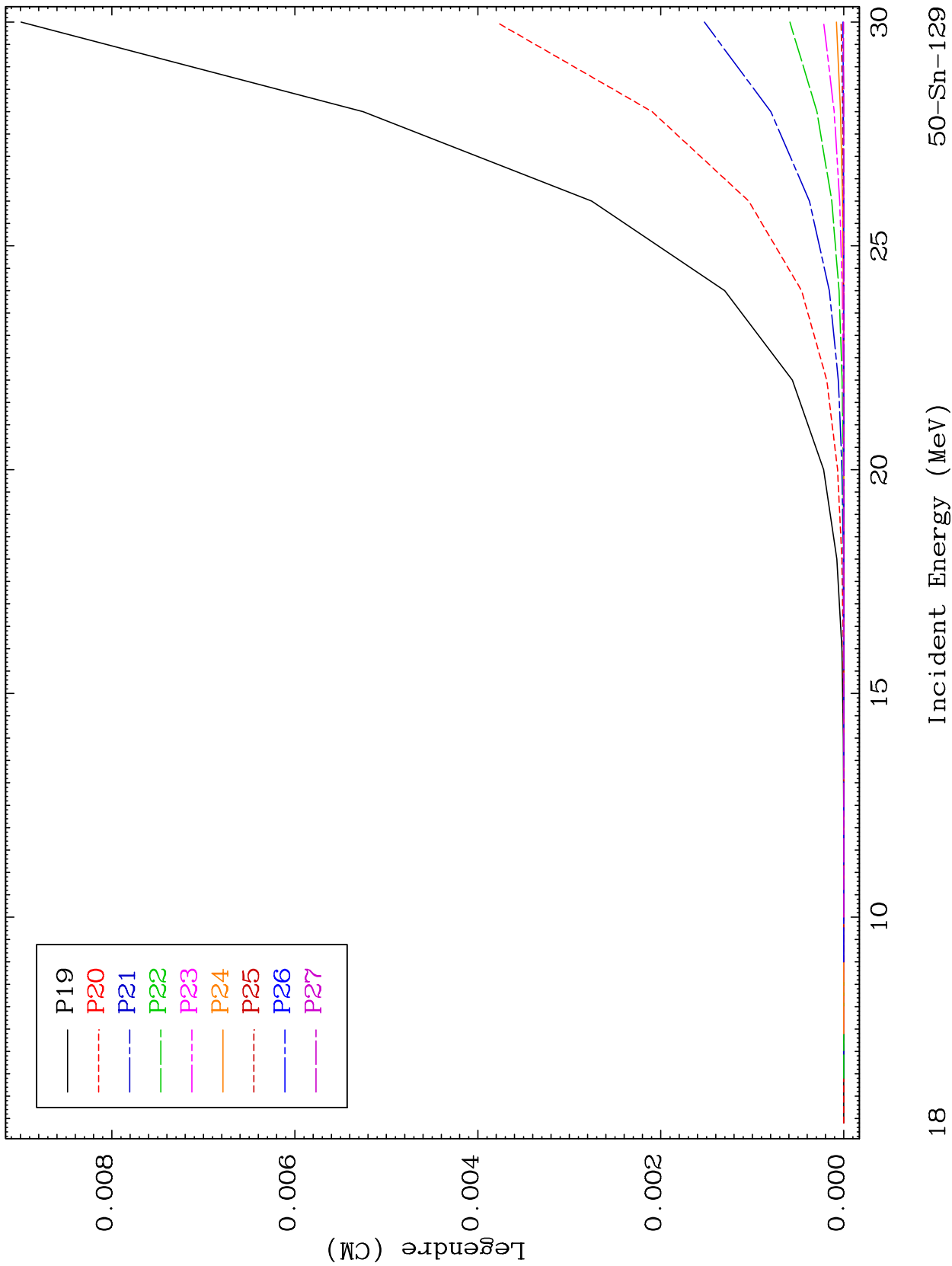




MAT 5076

Elastic Legendre Coefficients

50-Sn-129



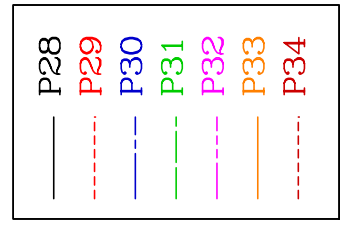
18

50-Sn-129

MAT 5076

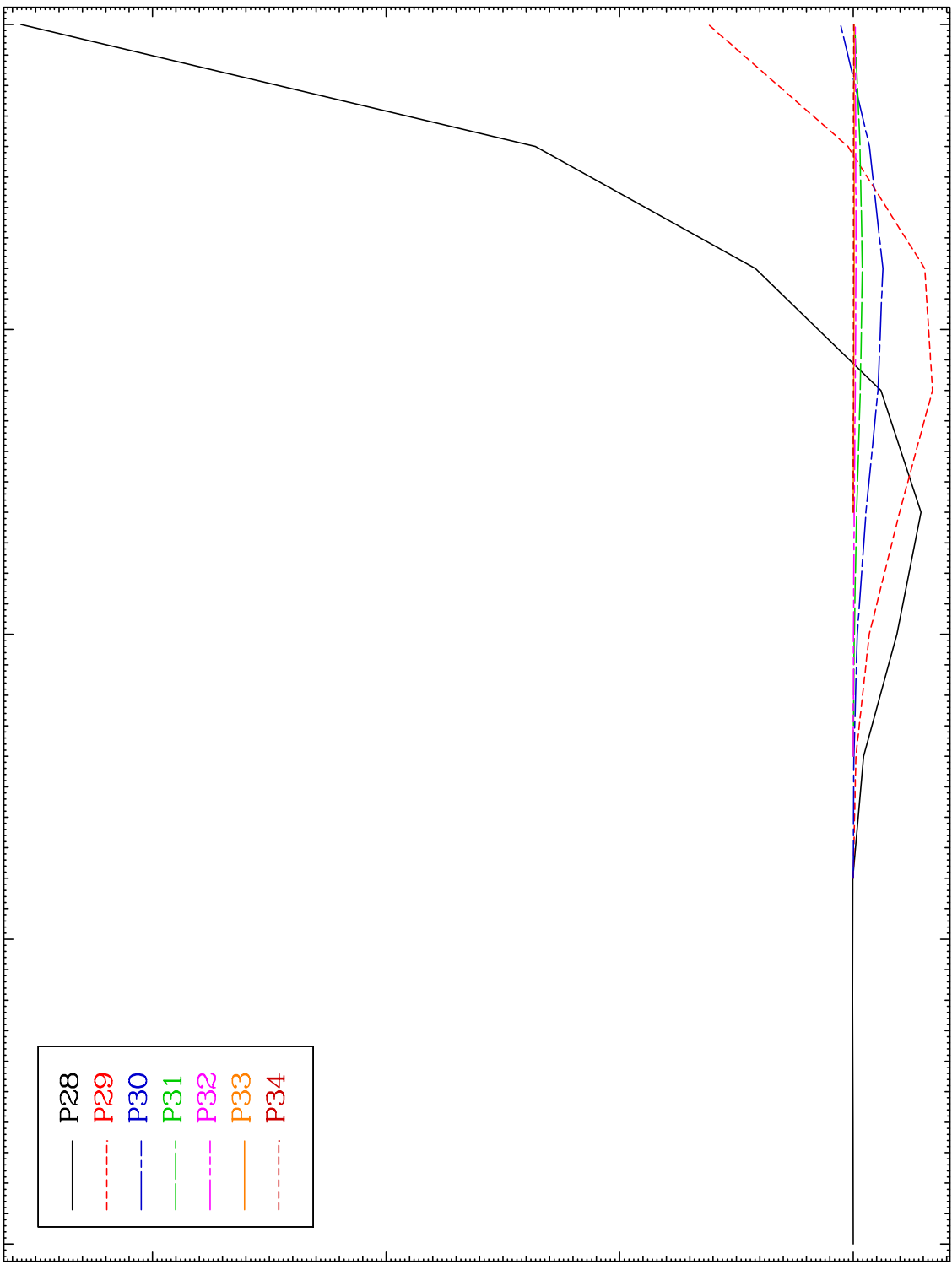
Elastic
Legendre Coefficients

50-Sn-129



$\times 10^{-7}$

Legendre (CM)



10

15

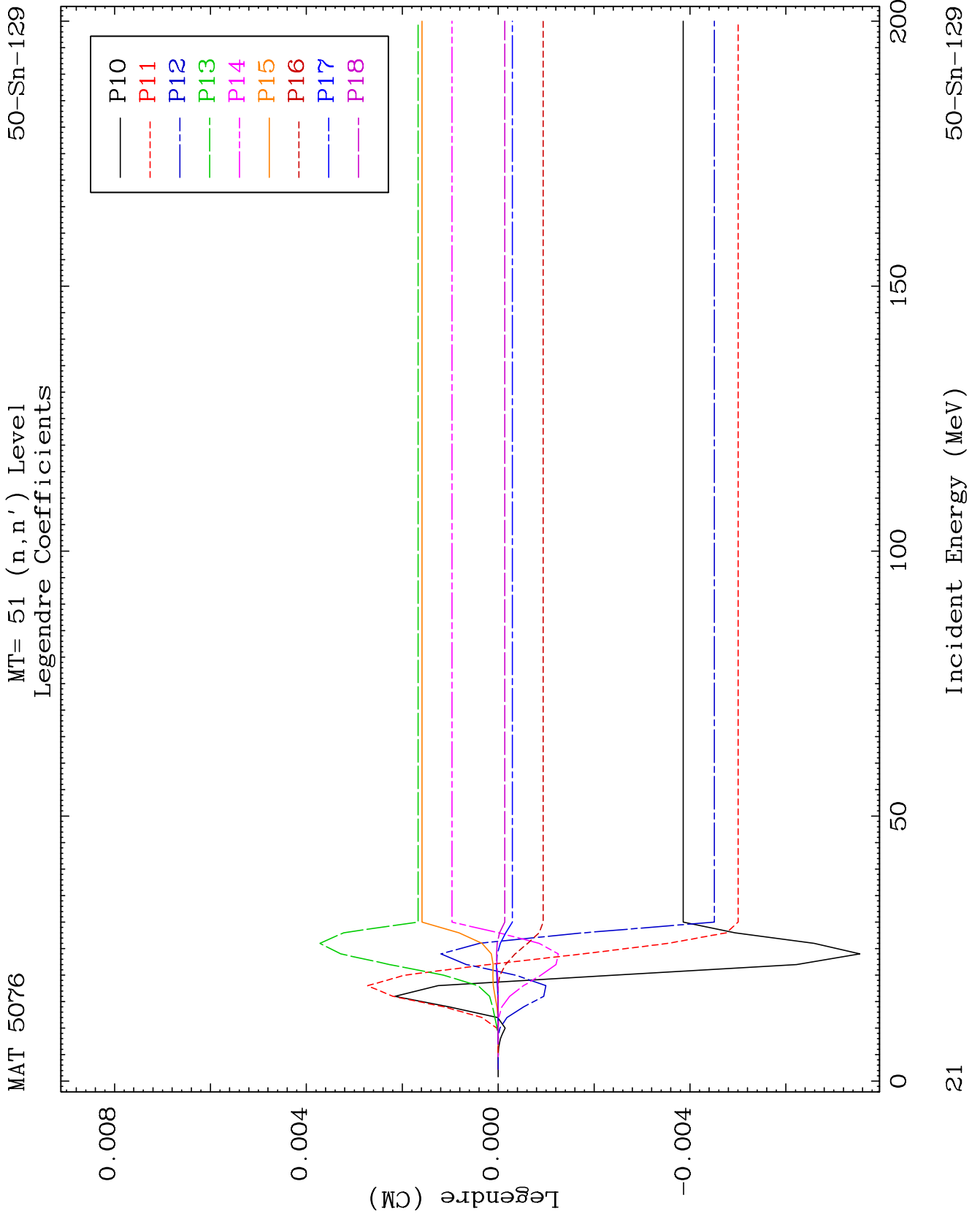
20

25

30

Incident Energy (MeV)

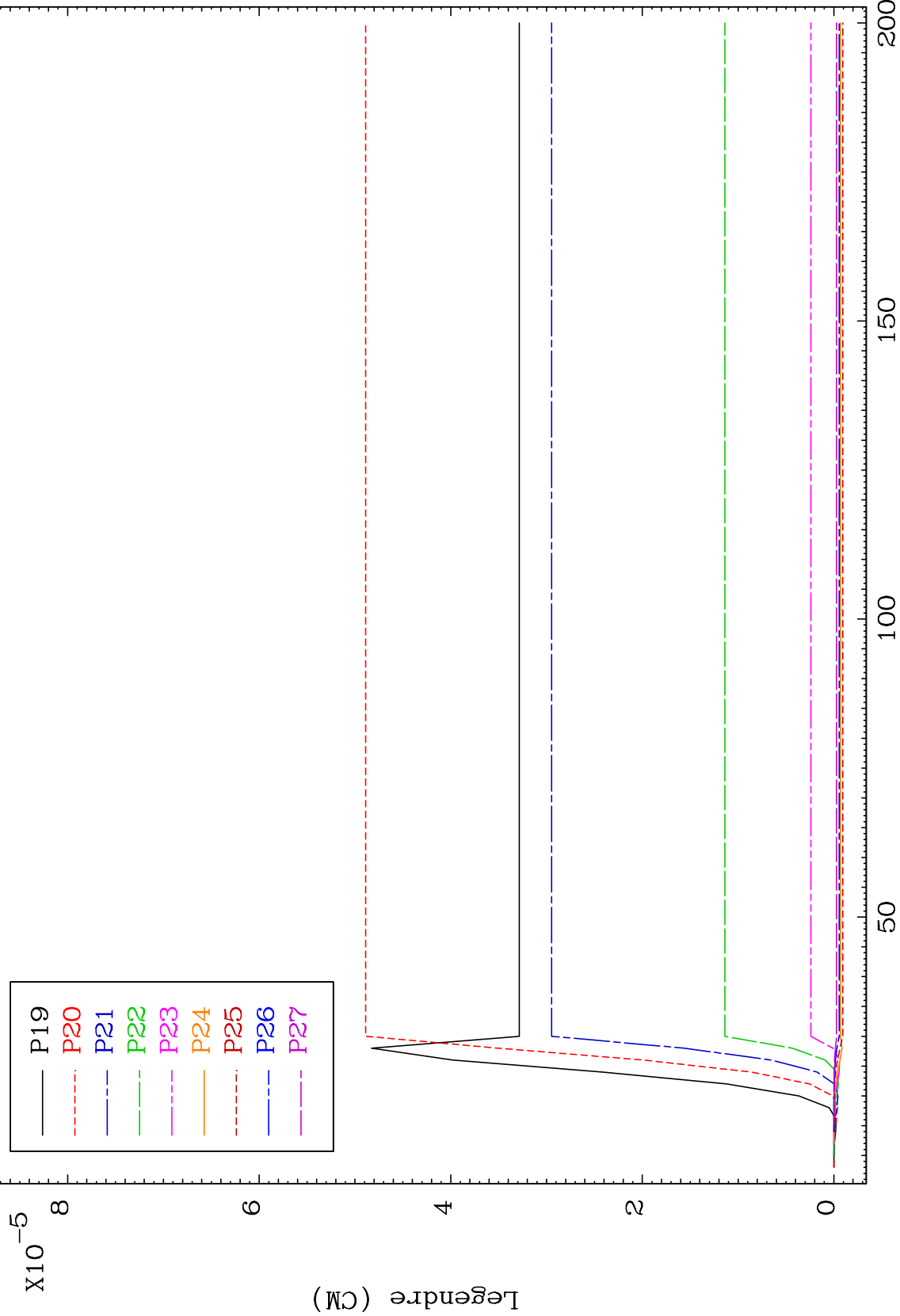
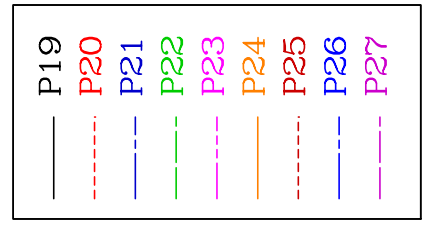
50-Sn-129

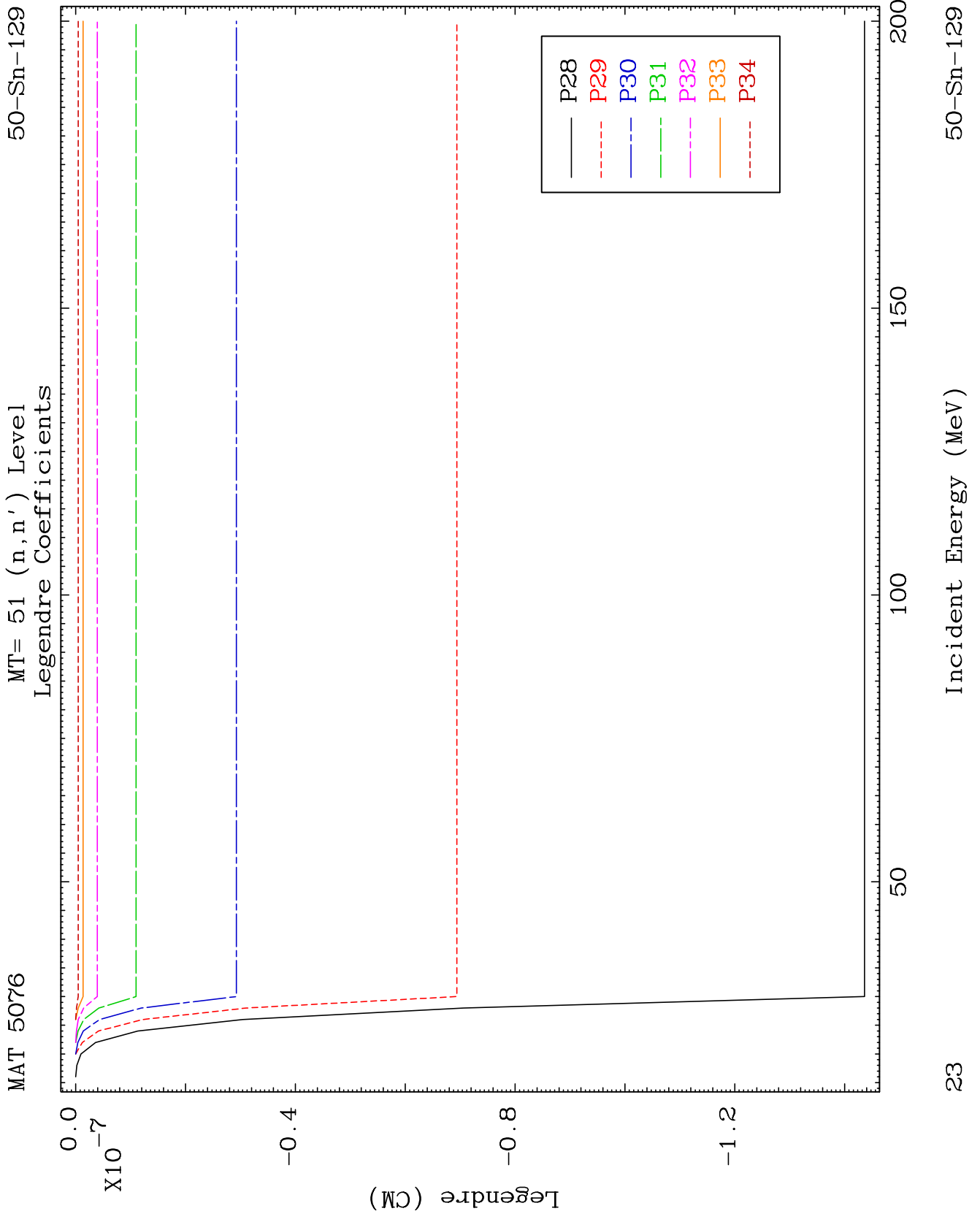


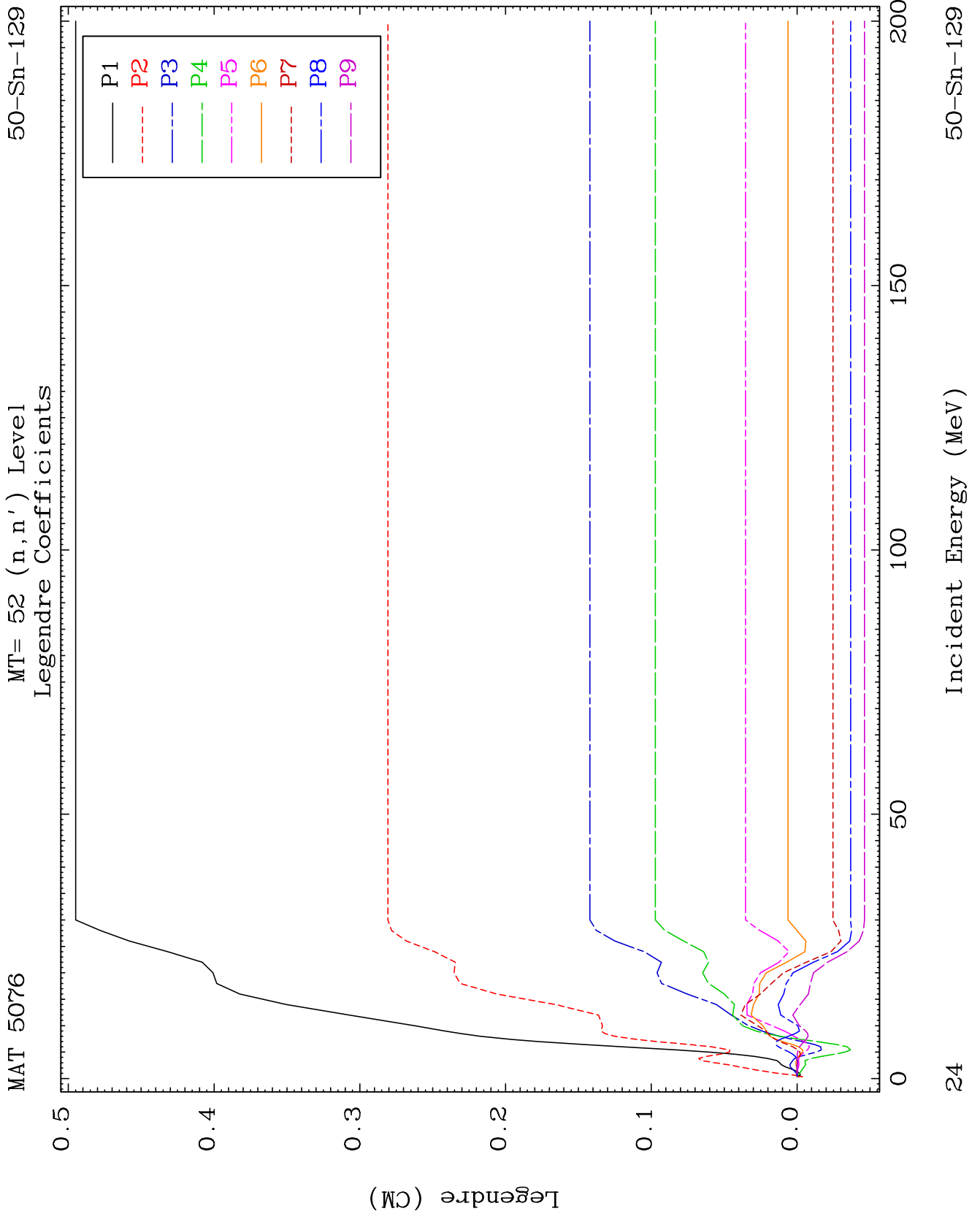
MAT 5076

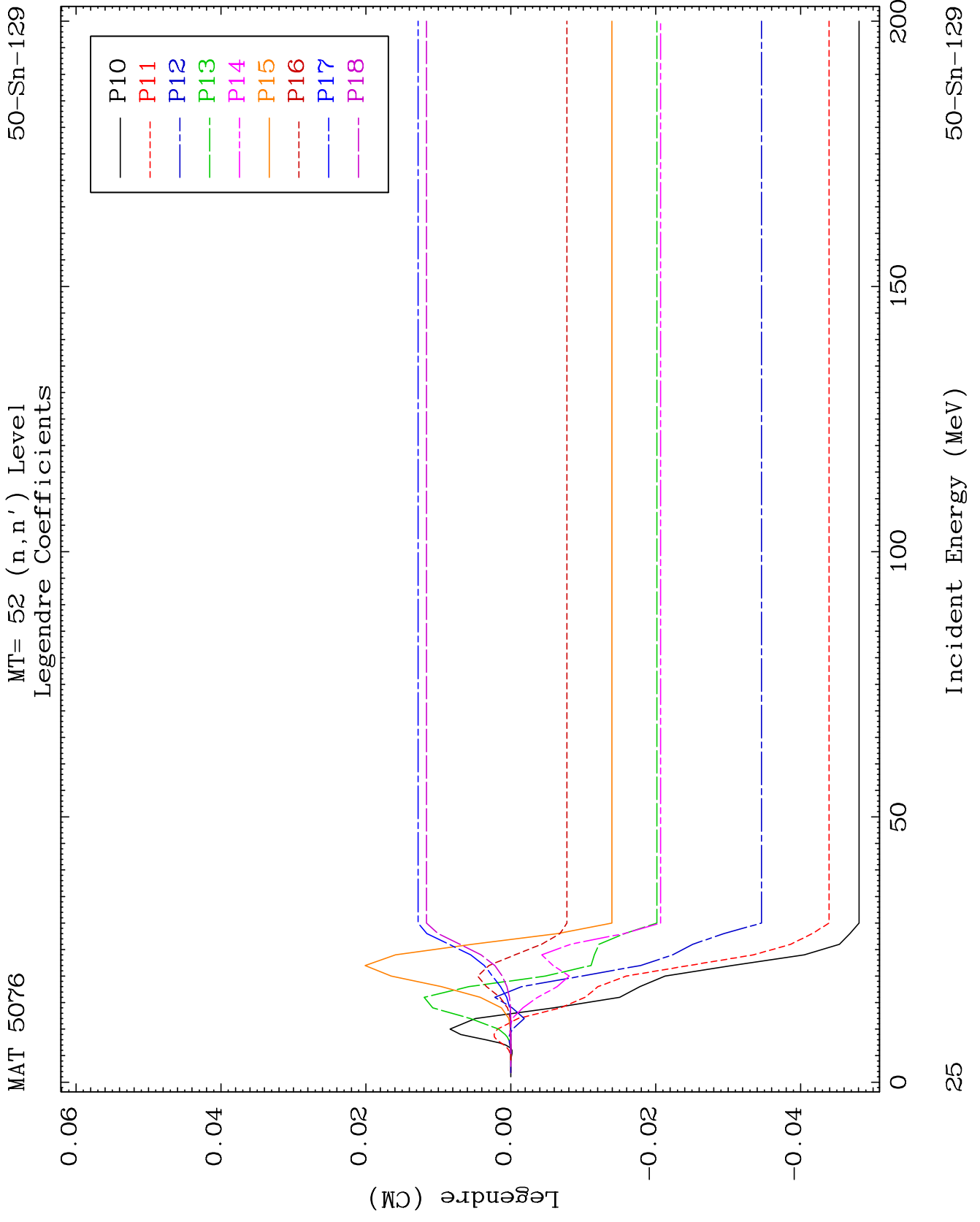
MT= 51 (n,n') Level
Legendre Coefficients

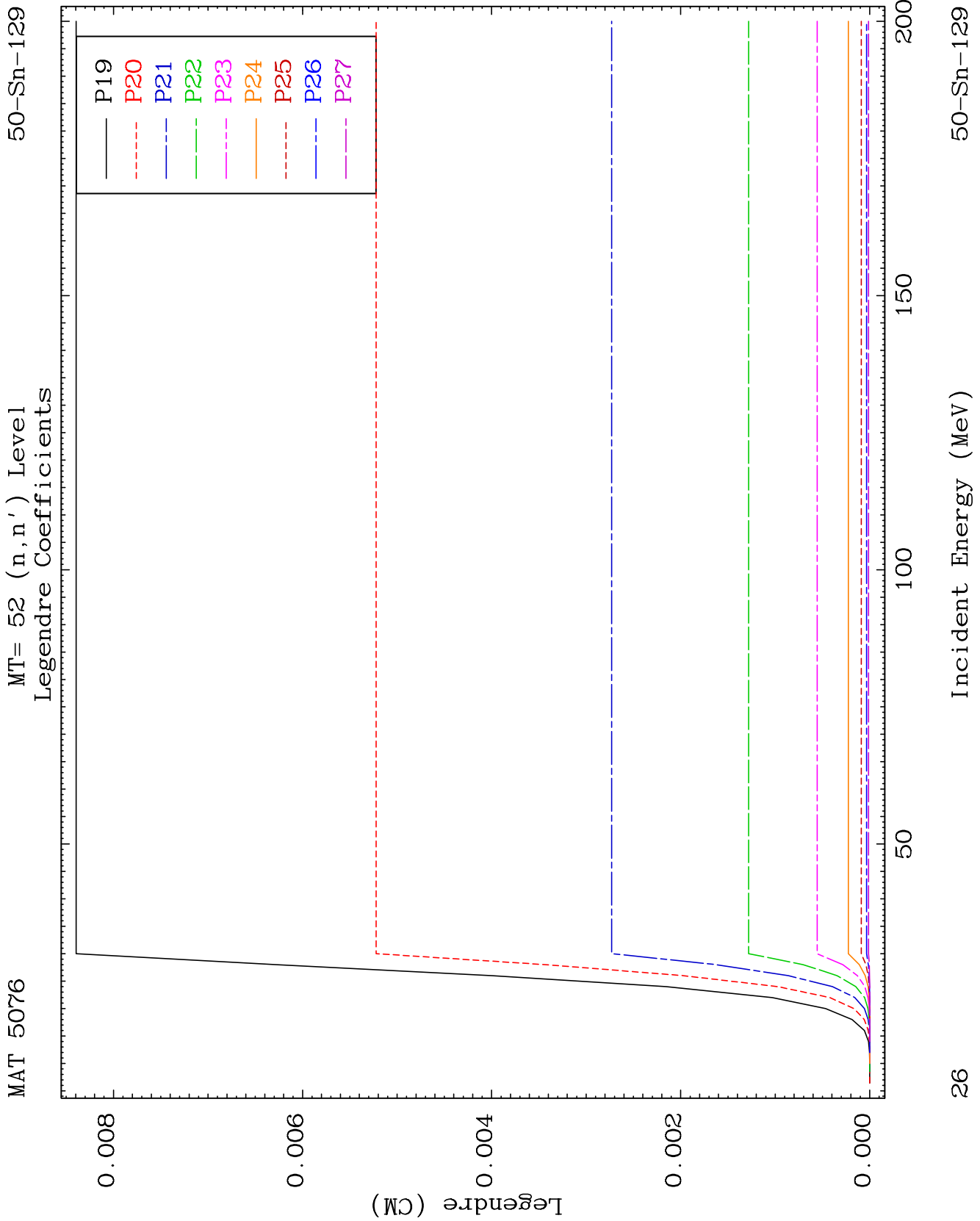
50-Sn-129

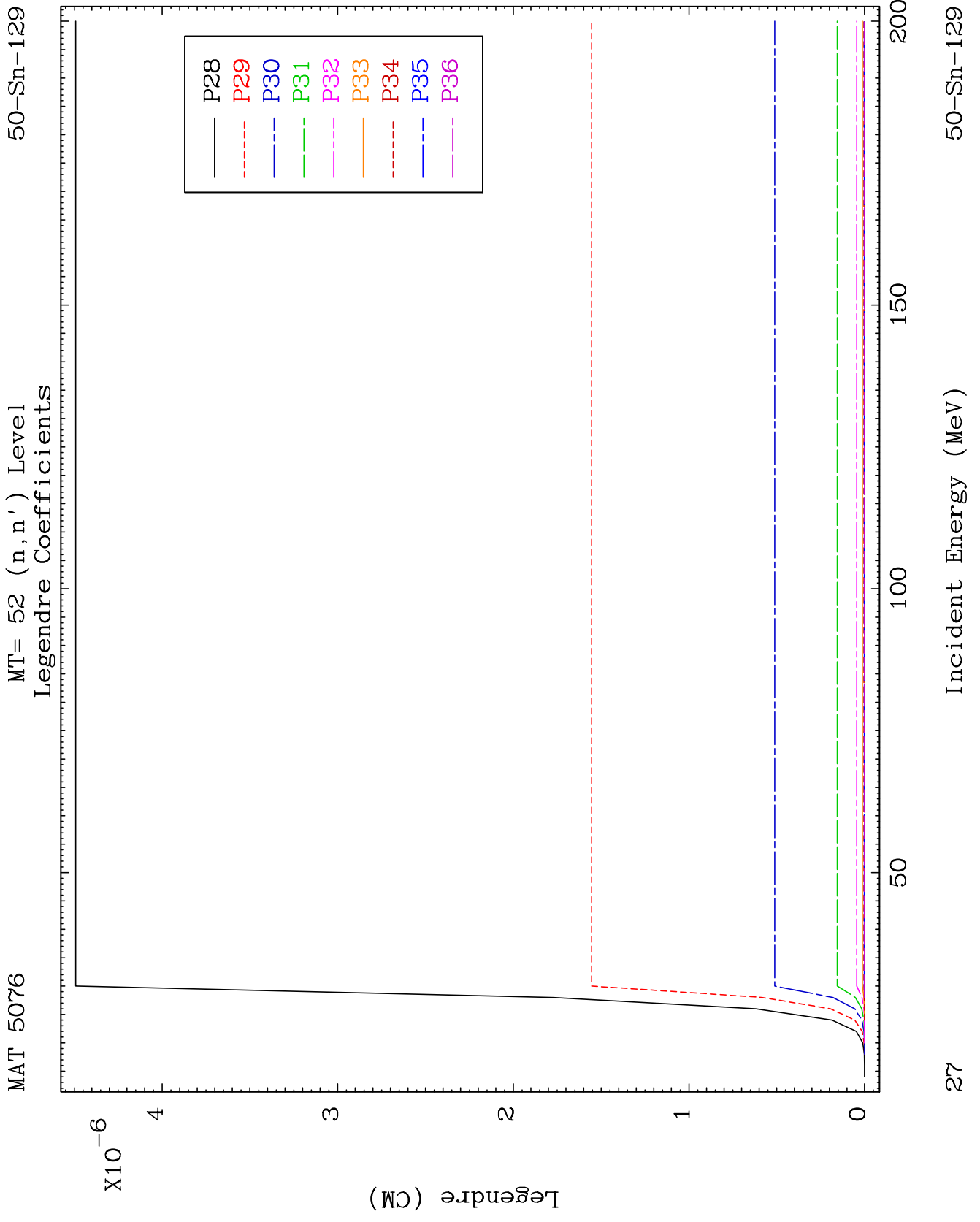


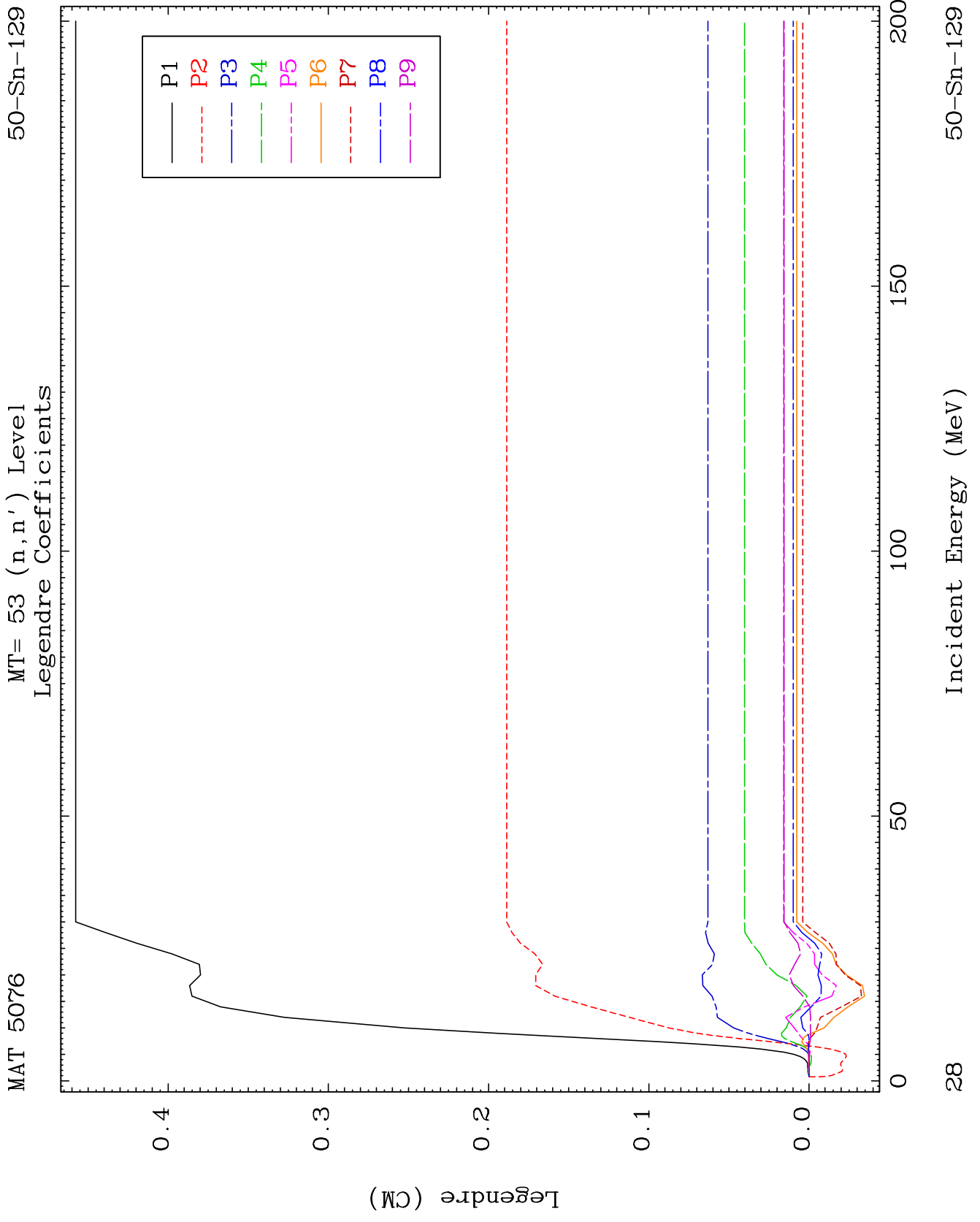


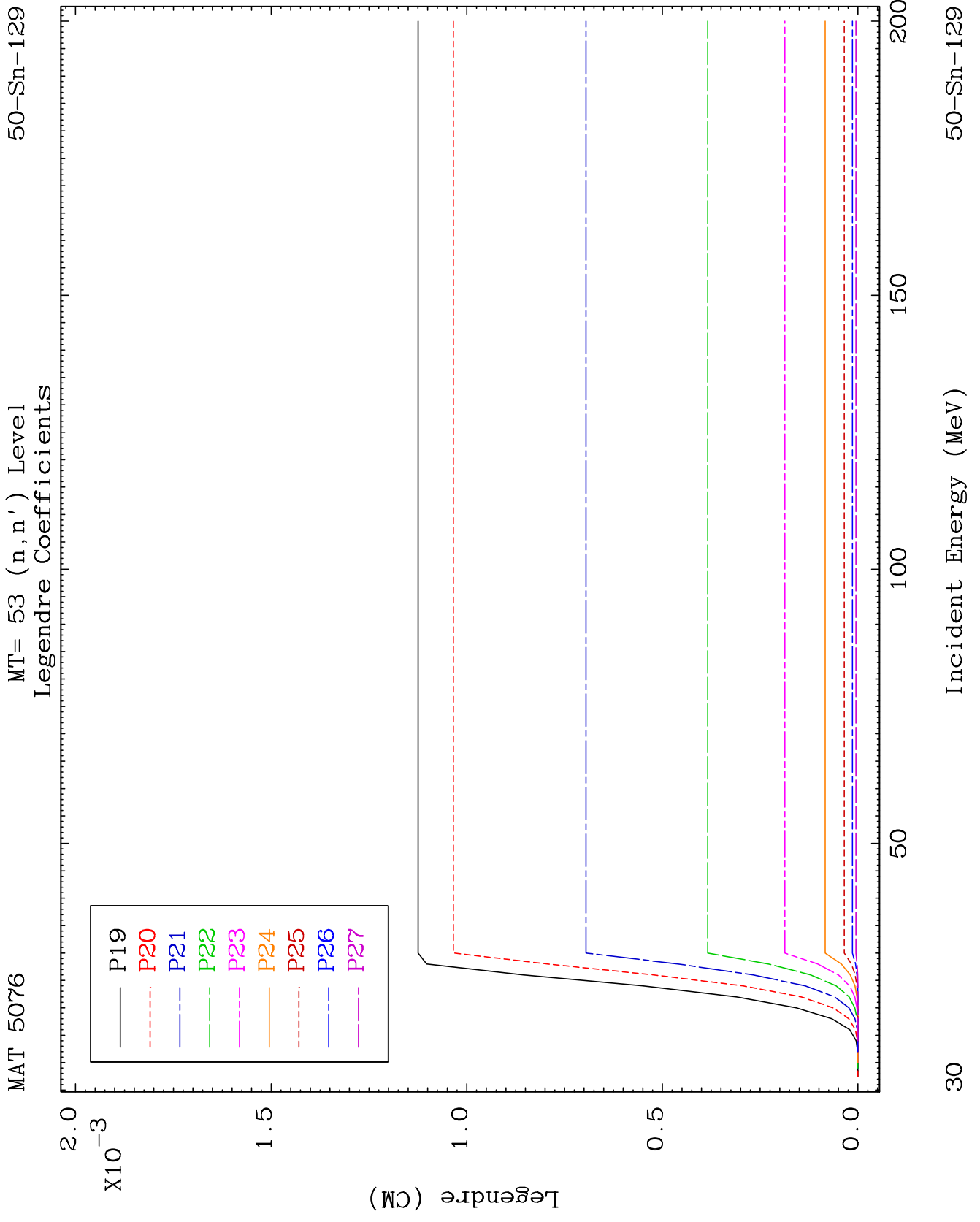








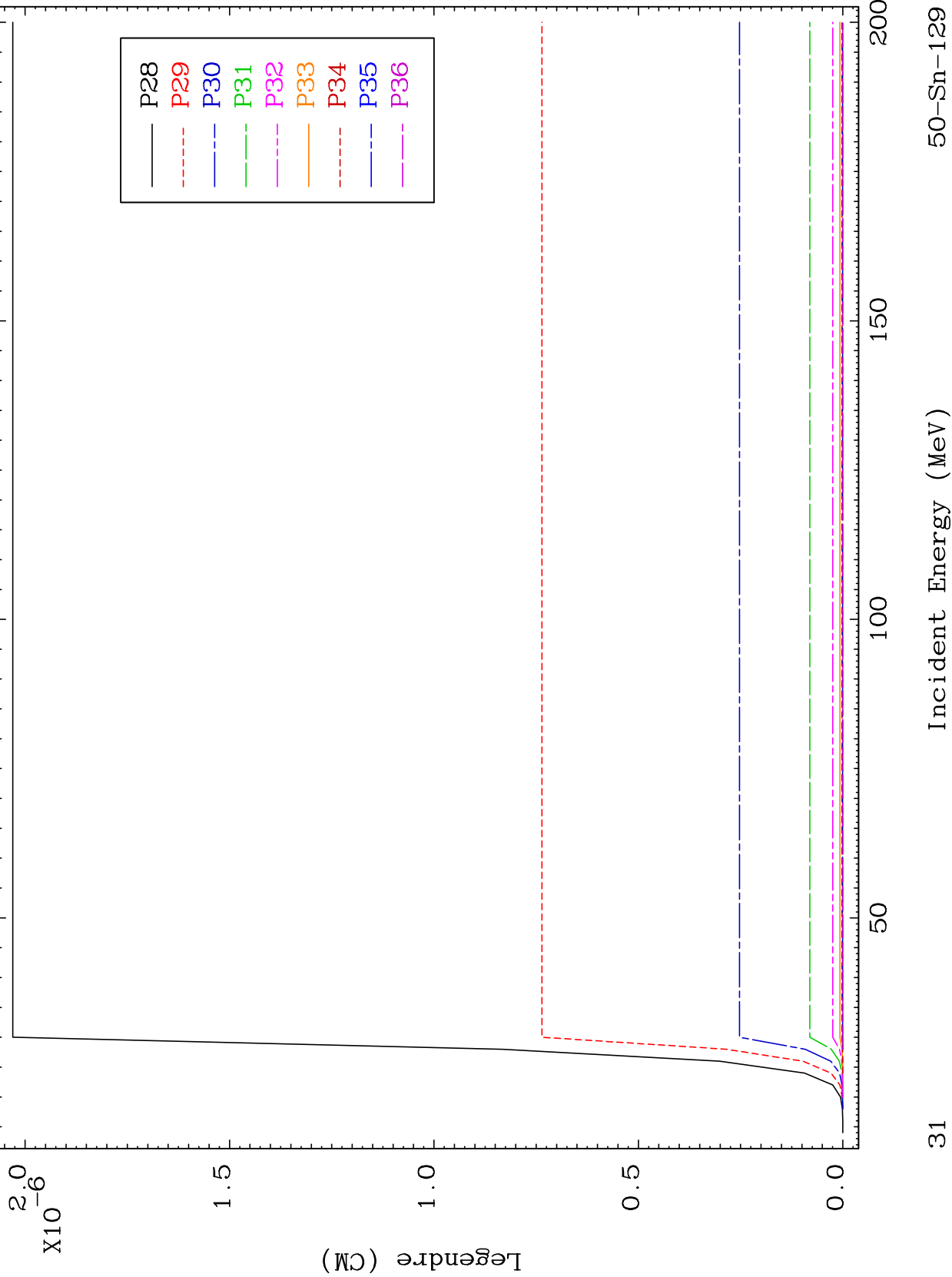




MAT 5076

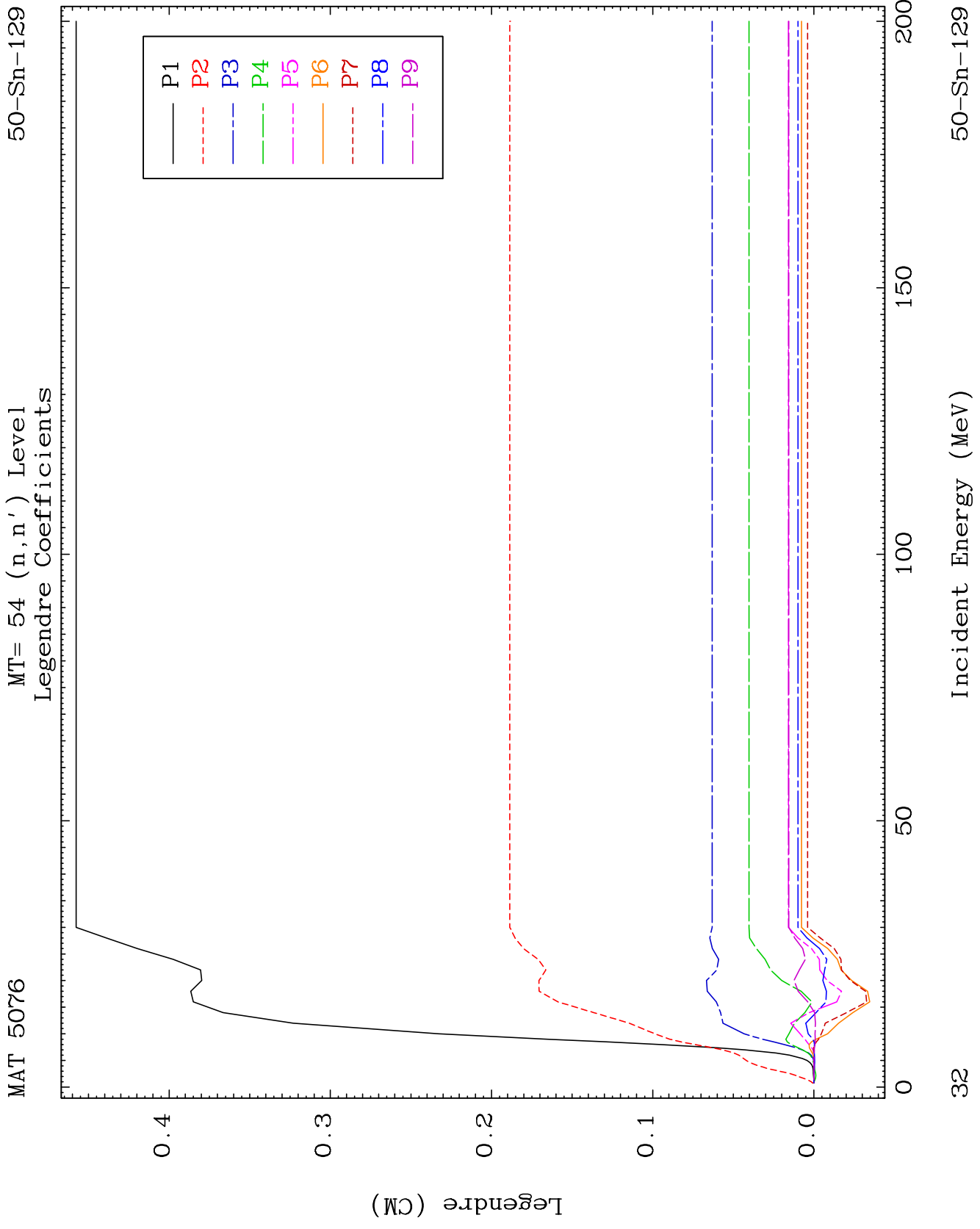
MT= 53 (n,n') Level
Legendre Coefficients

50-Sn-129



31

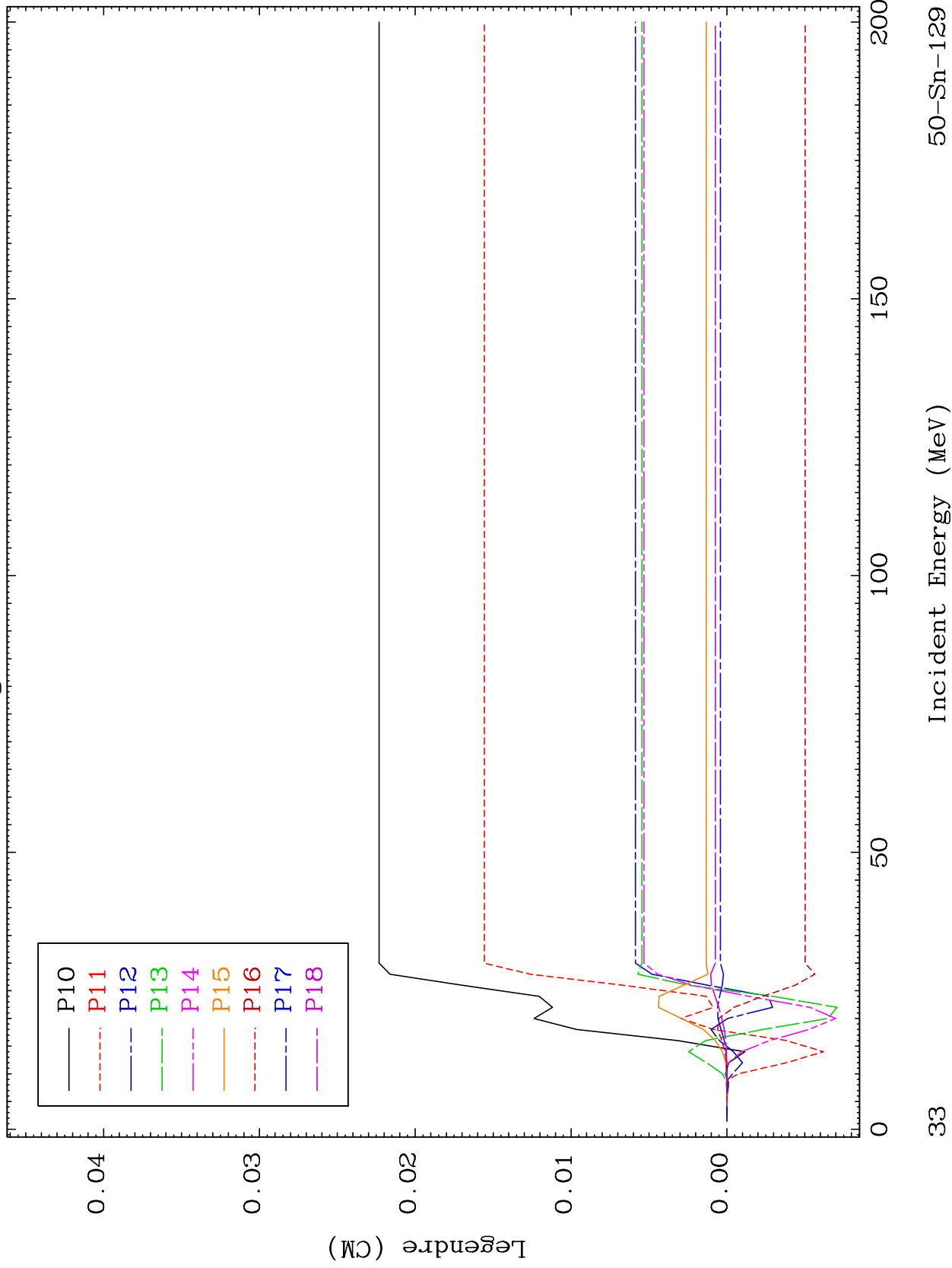
50-Sn-129



MAT 5076

50-Sn-129

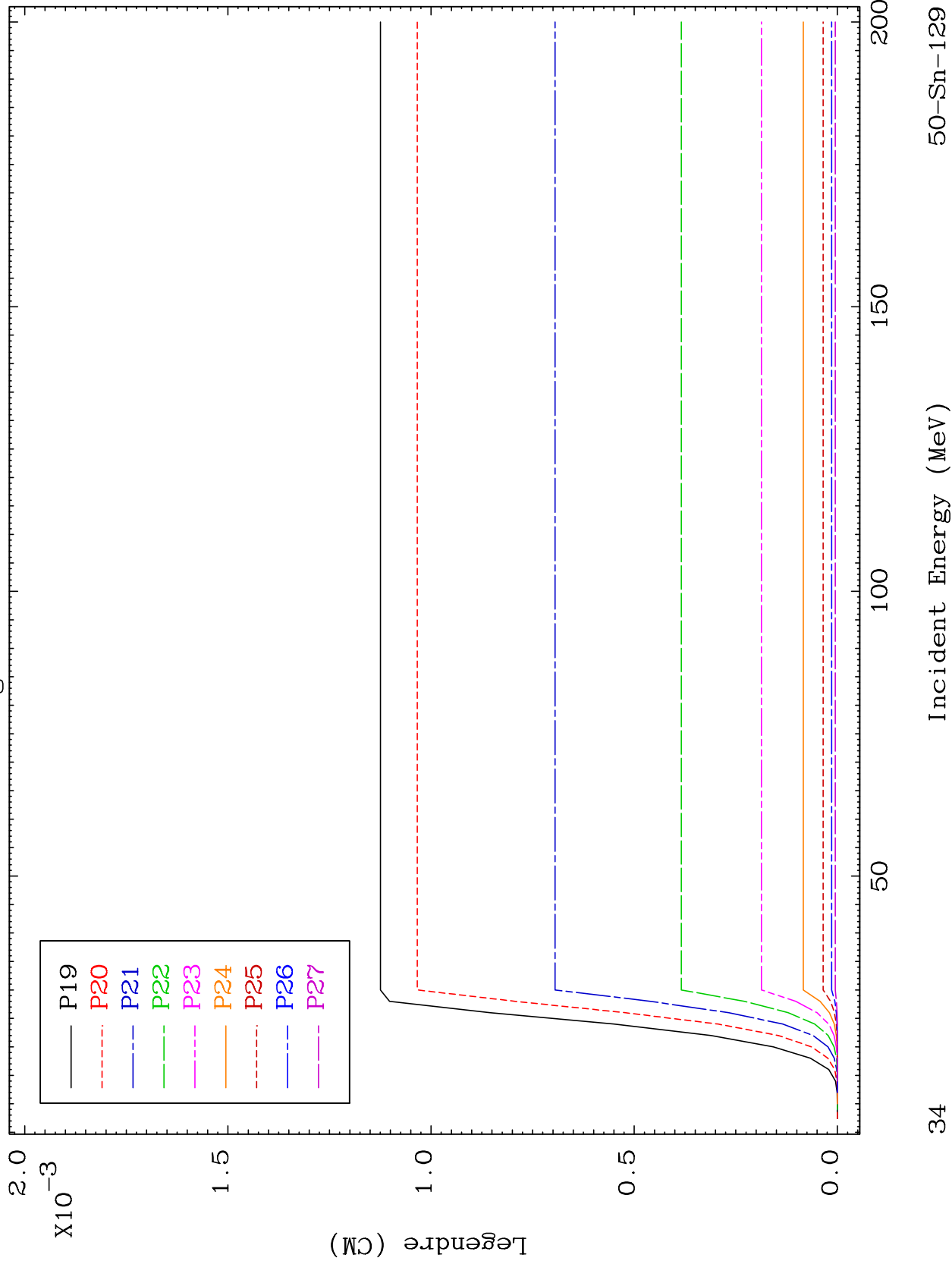
MT= 54 (n,n') Level
Legendre Coefficients



MAT 5076

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

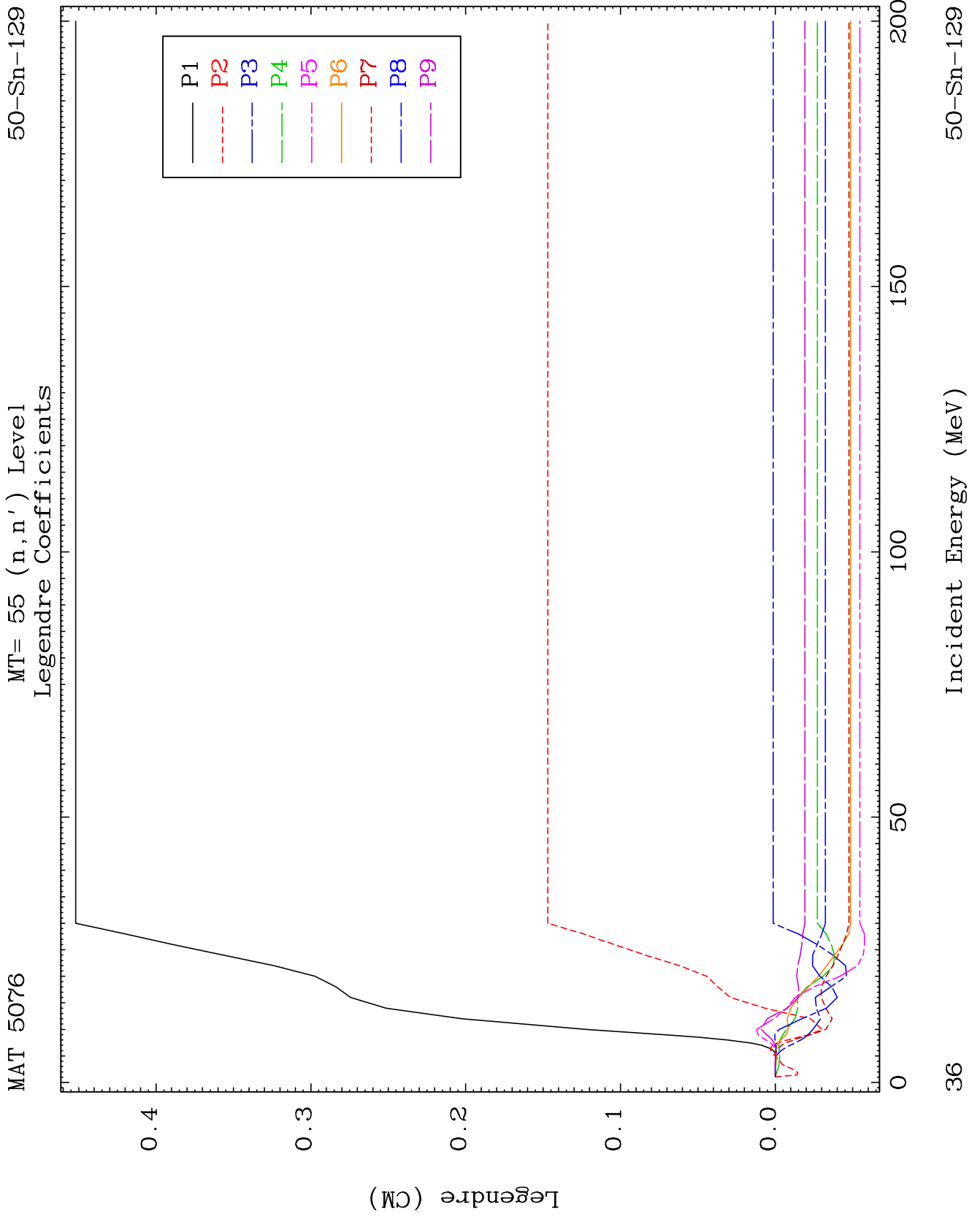
50-Sn-129

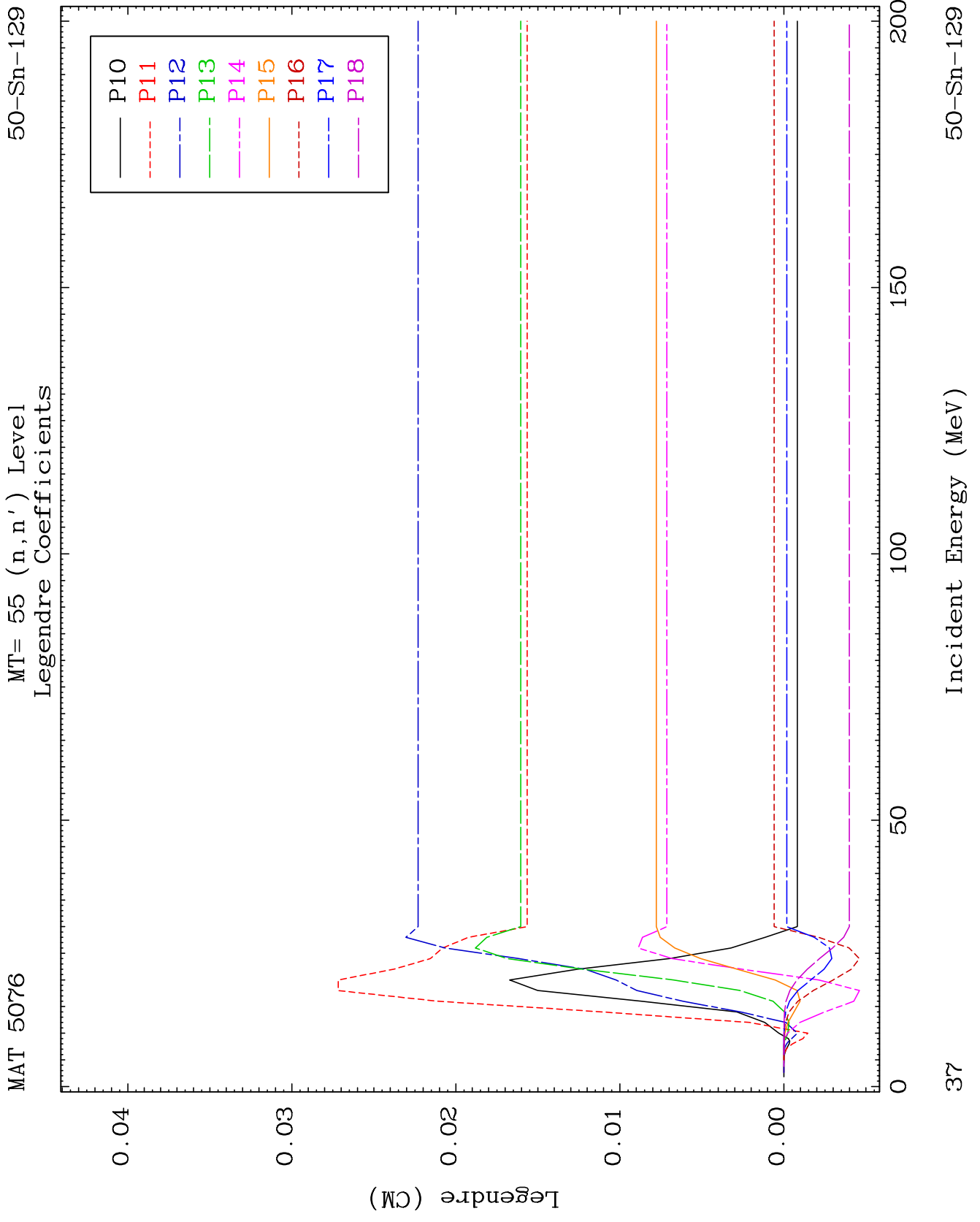


34

Incident Energy (MeV)

50-Sn-129

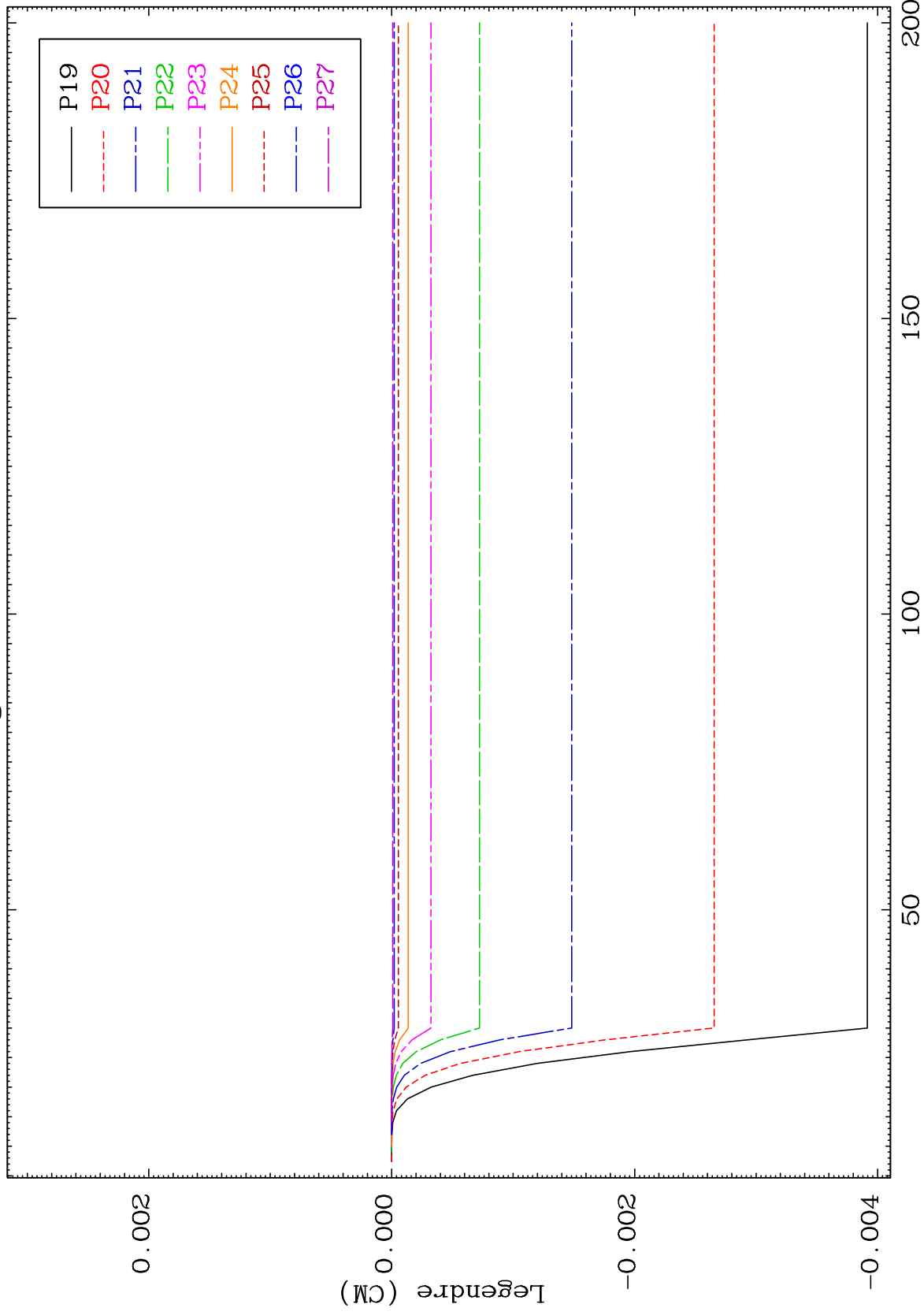




MAT 5076

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

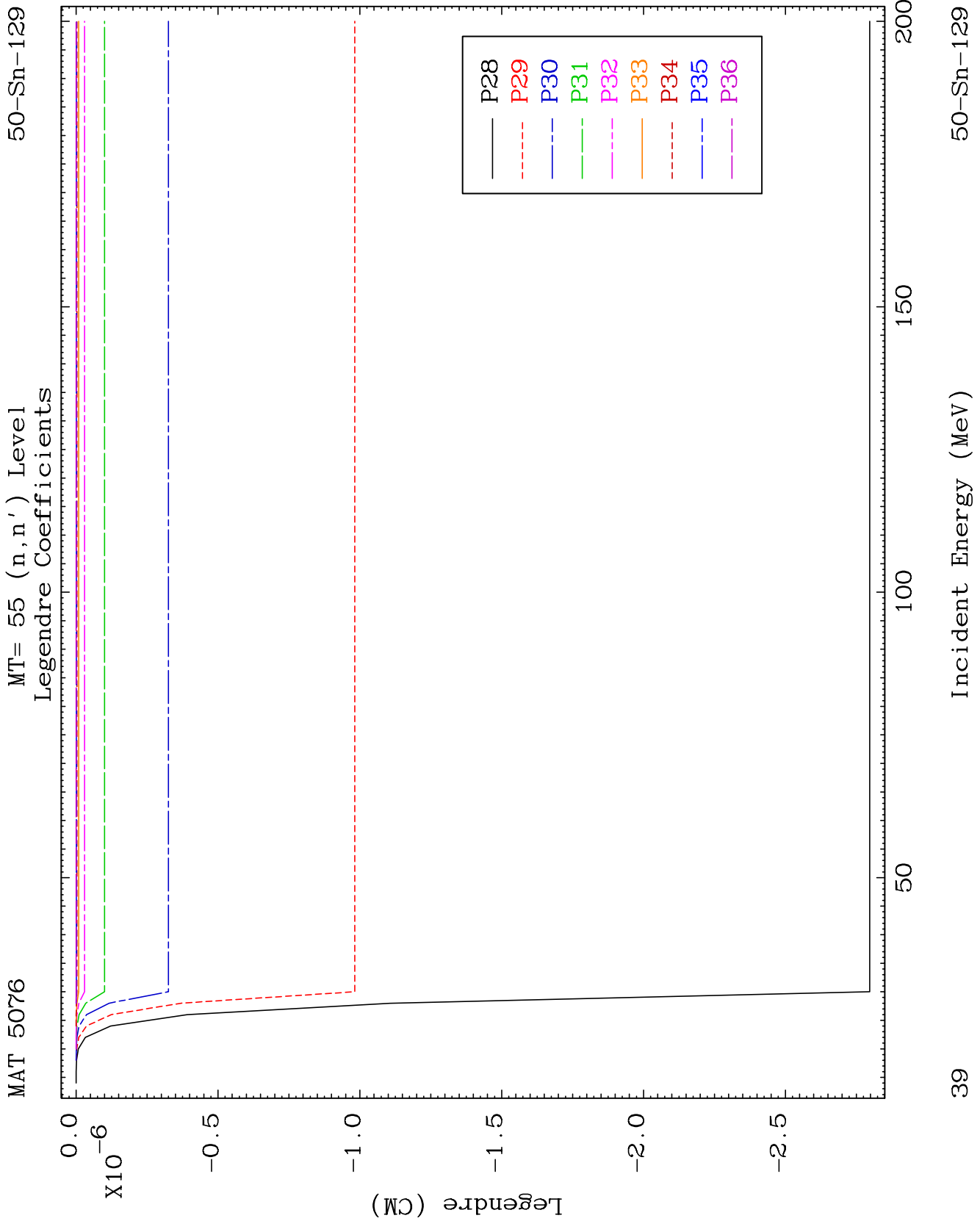
50-Sn-129

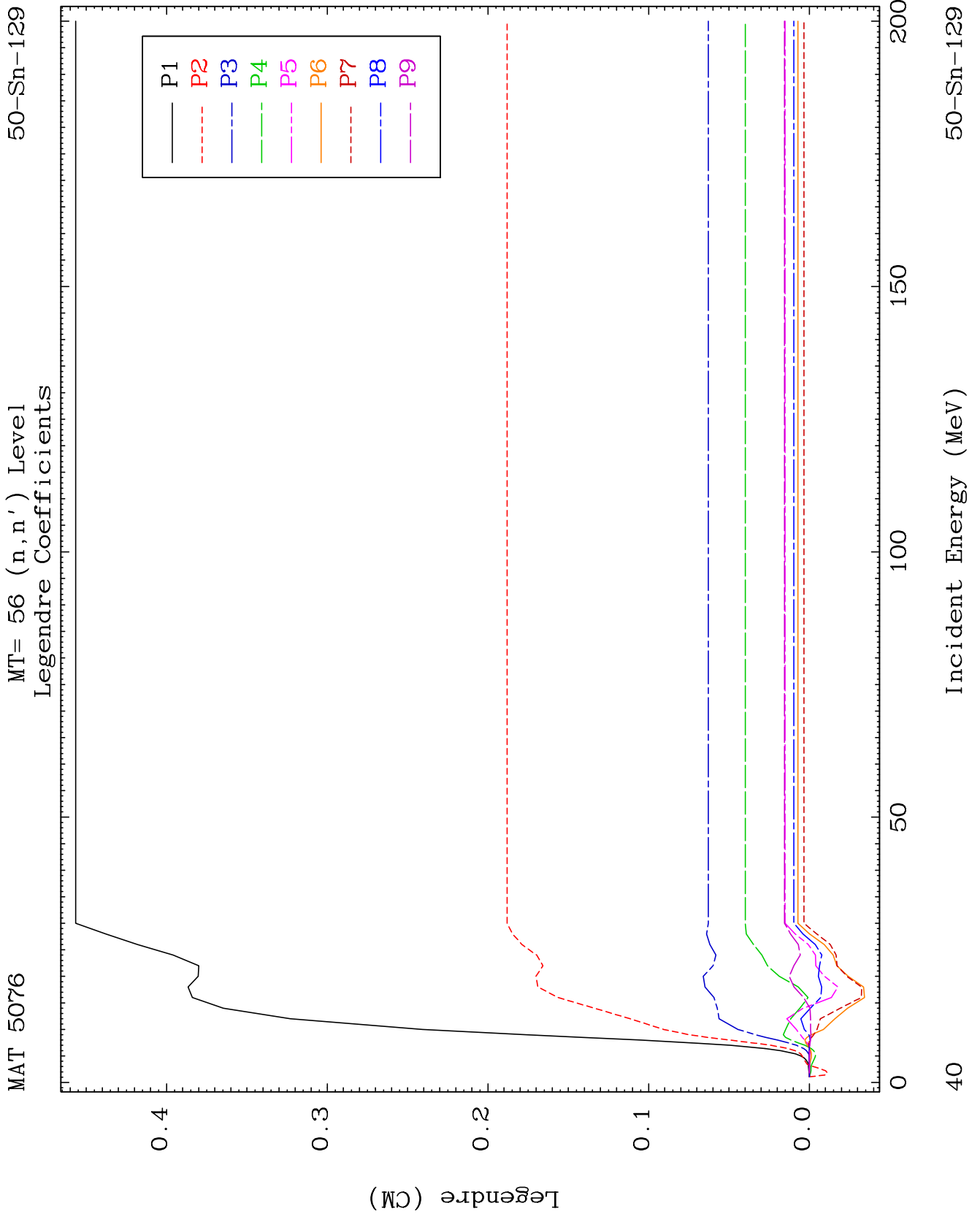


38

Incident Energy (MeV)

50-Sn-129

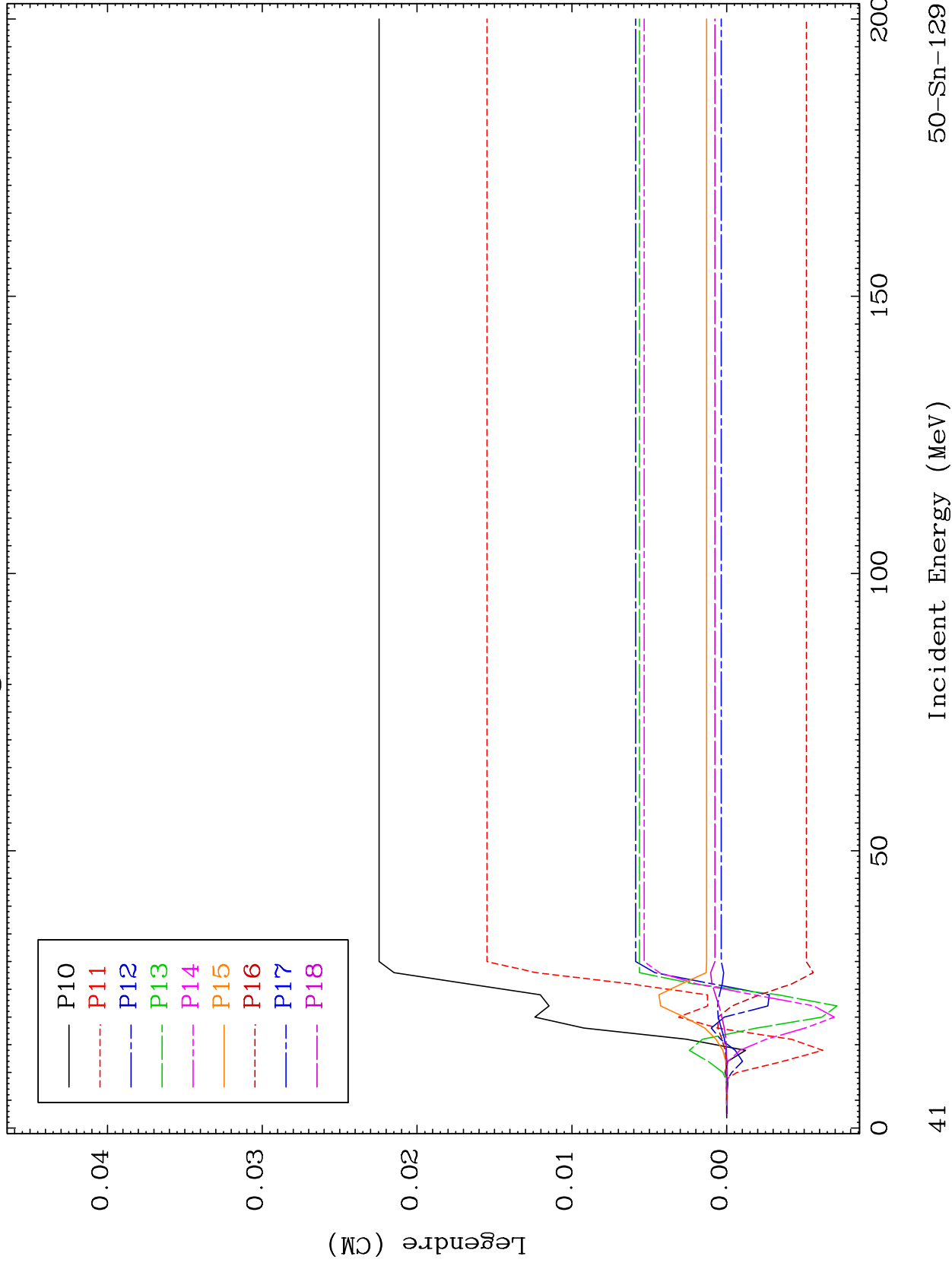




MAT 5076

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

50-Sn-129

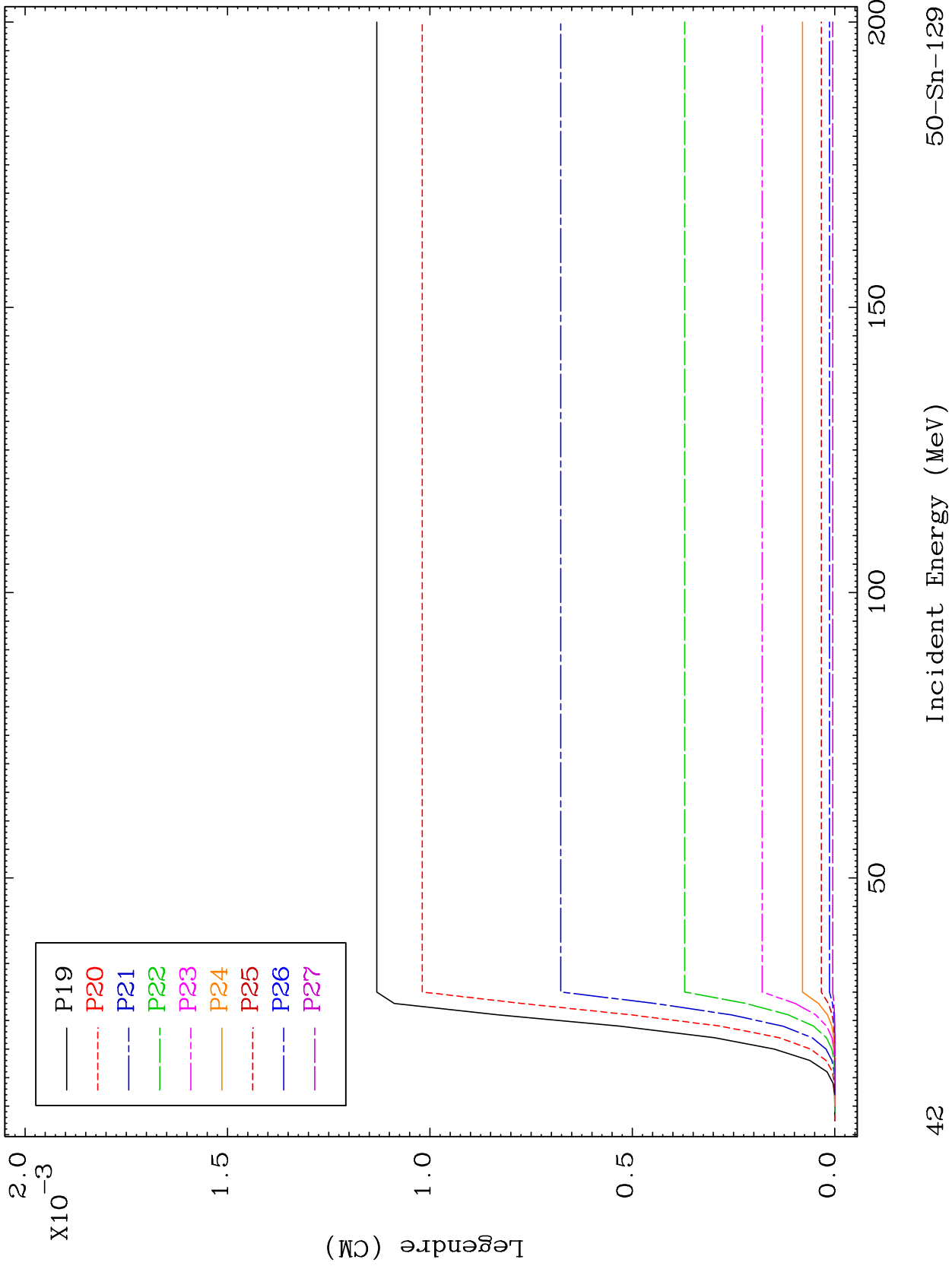


41

MAT 5076

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

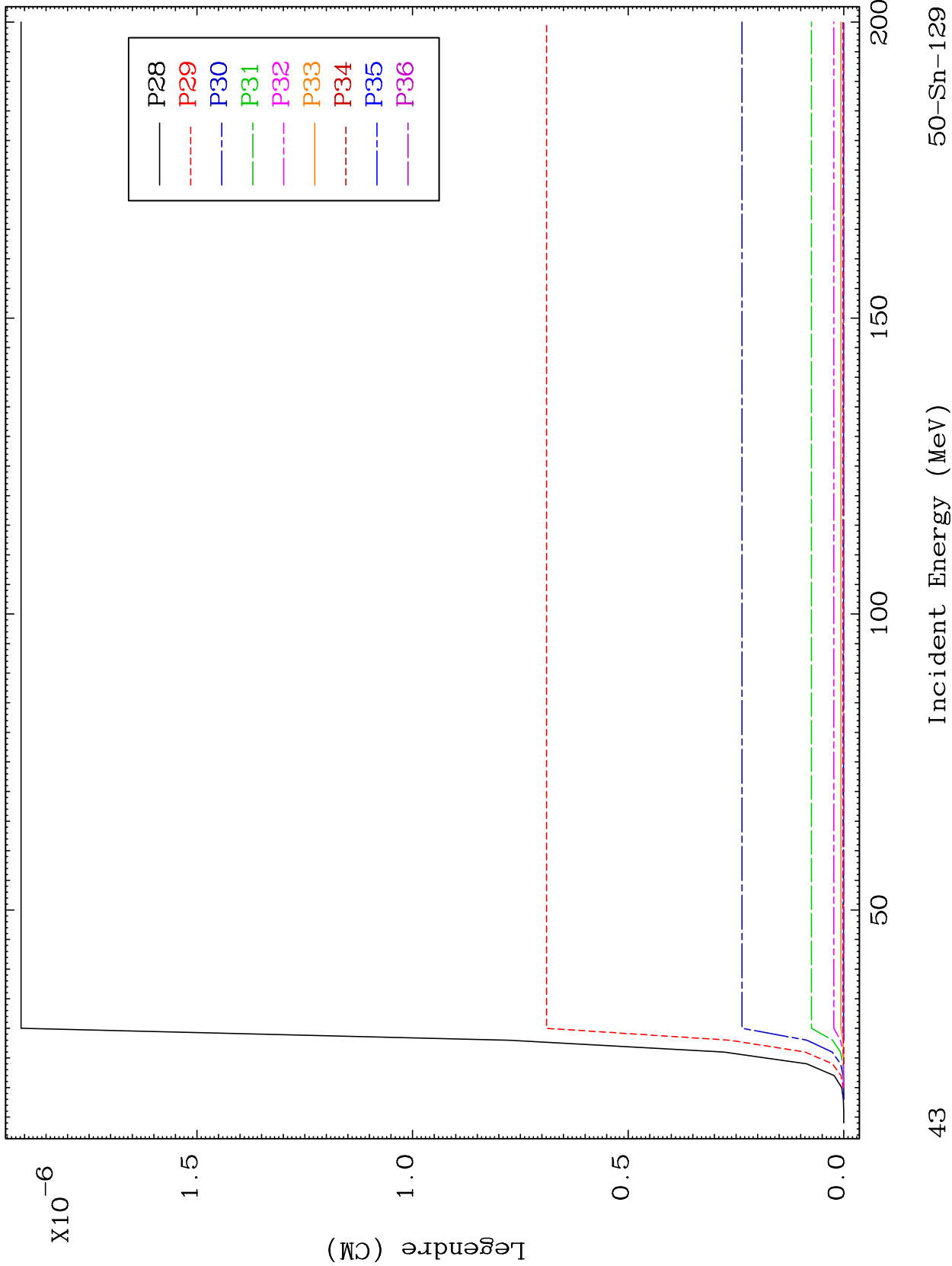
50-Sn-129



MAT 5076

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

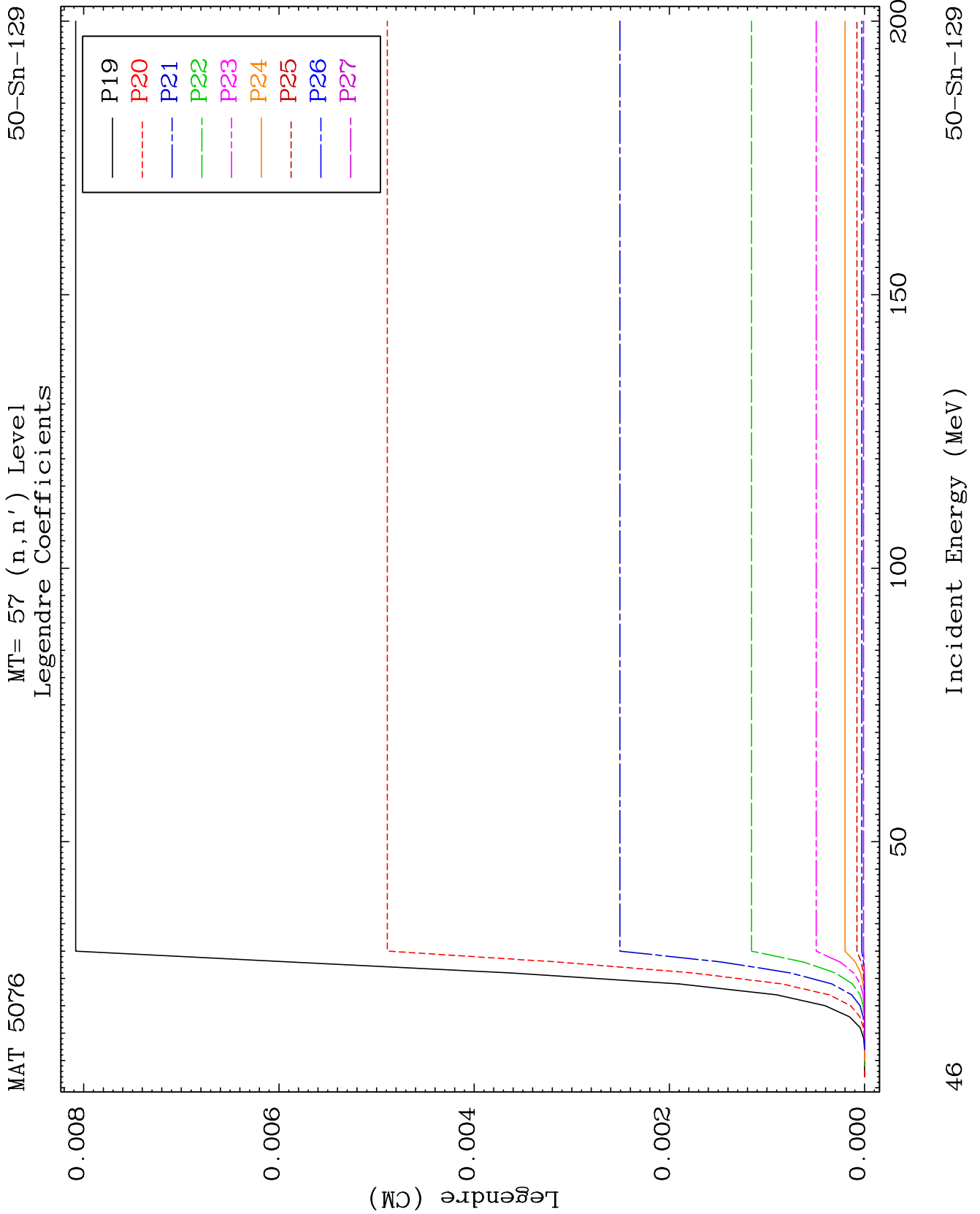
50-Sn-129



43

Incident Energy (MeV)

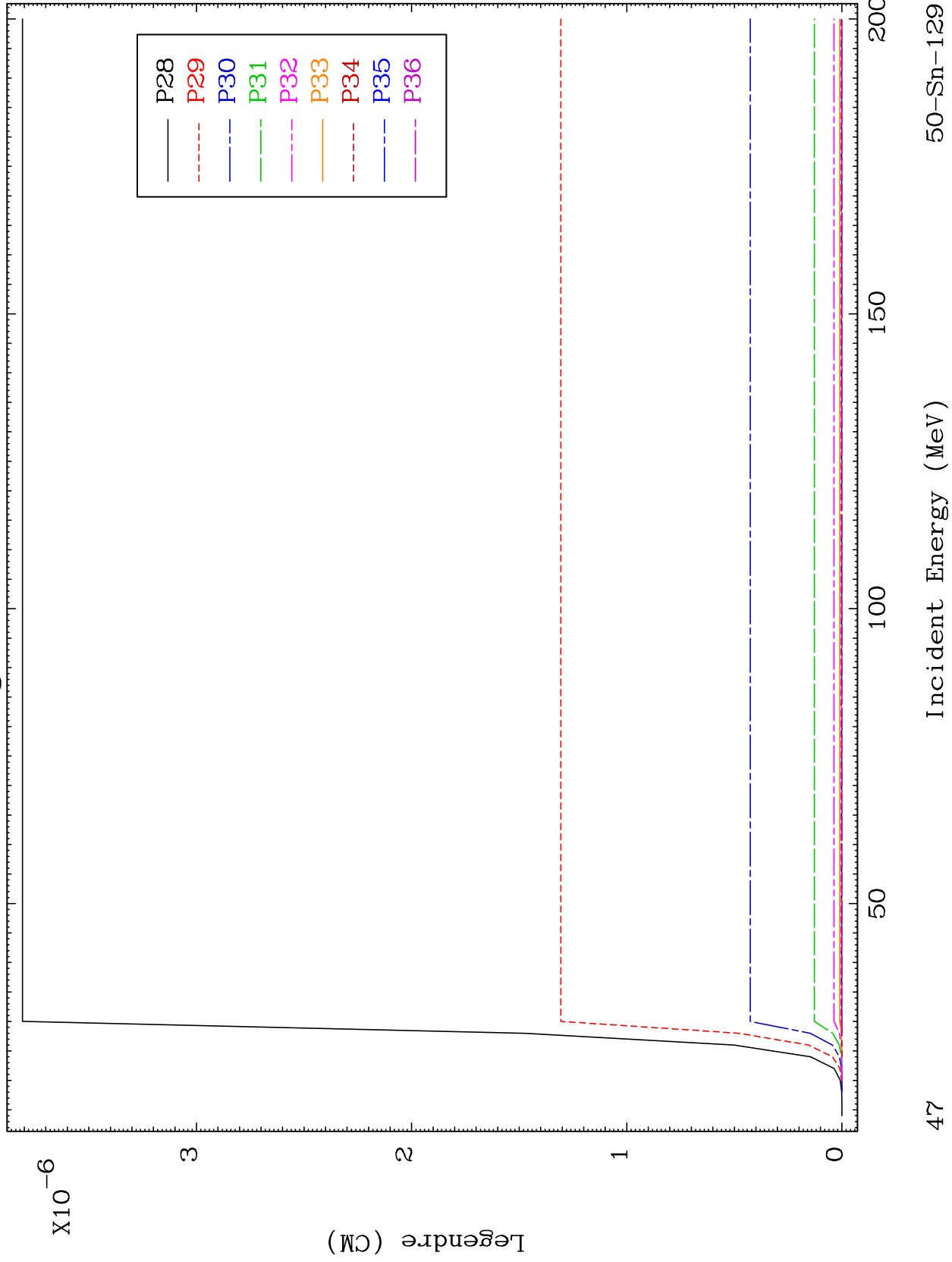
50-Sn-129



MAT 5076

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

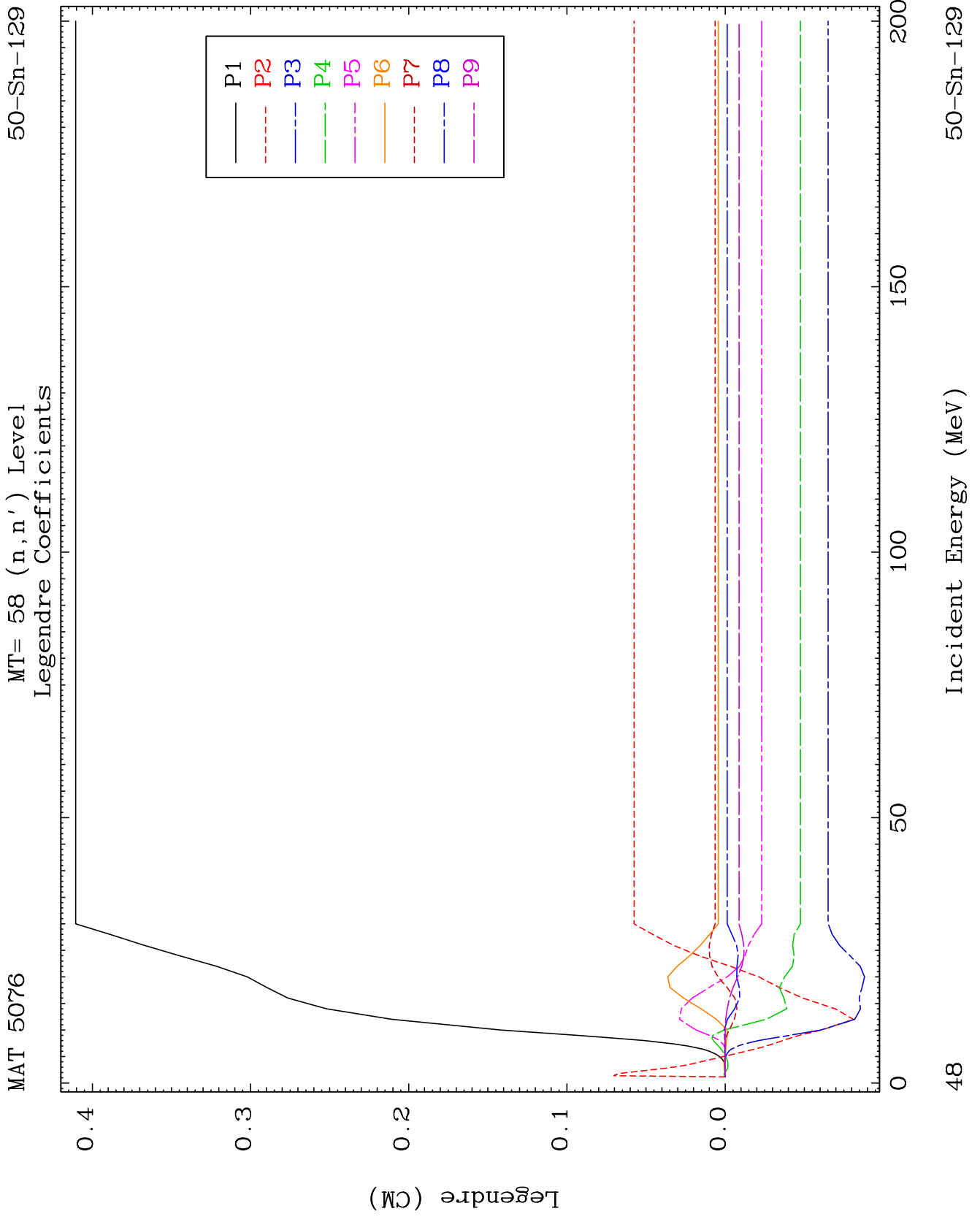
50-Sn-129

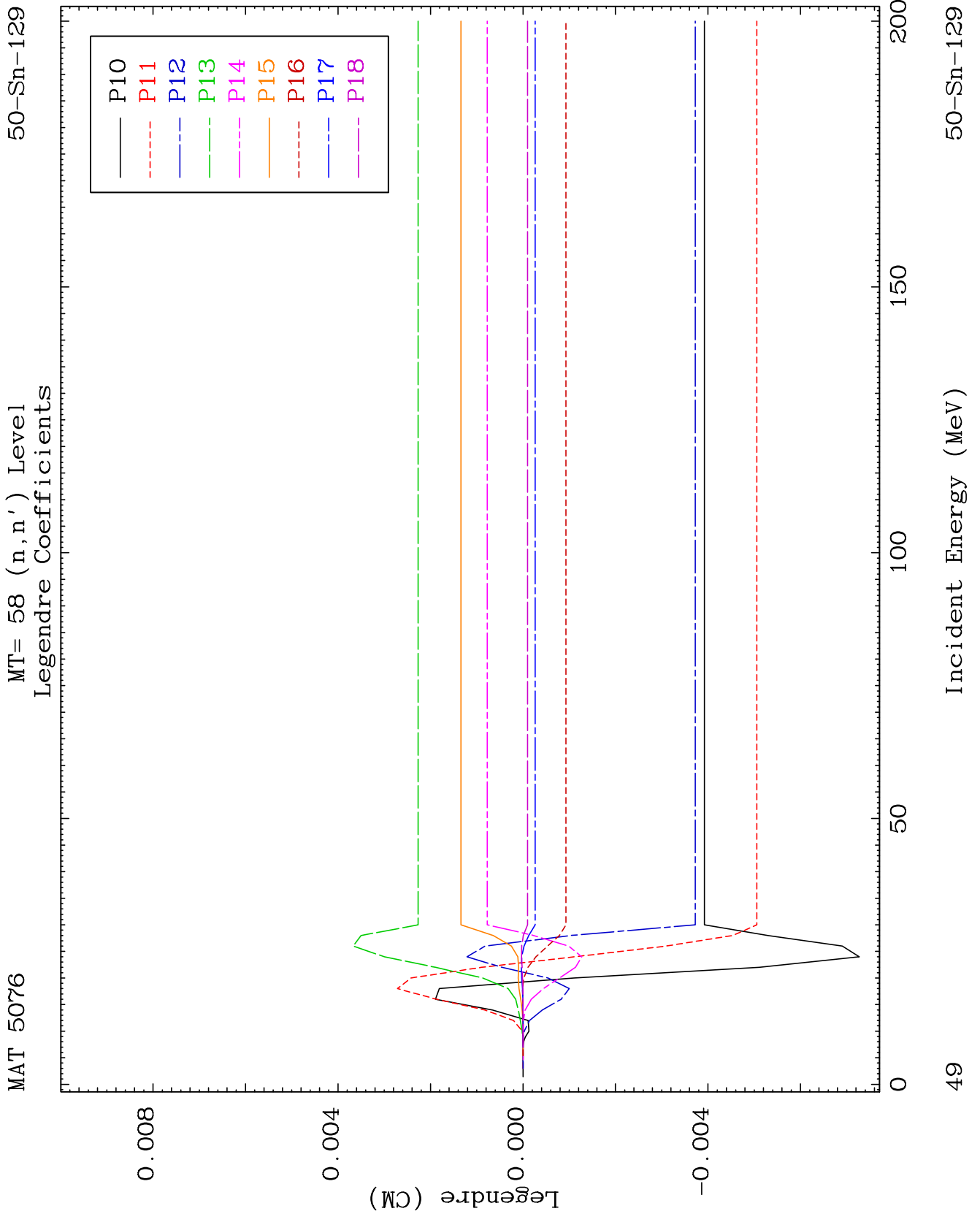


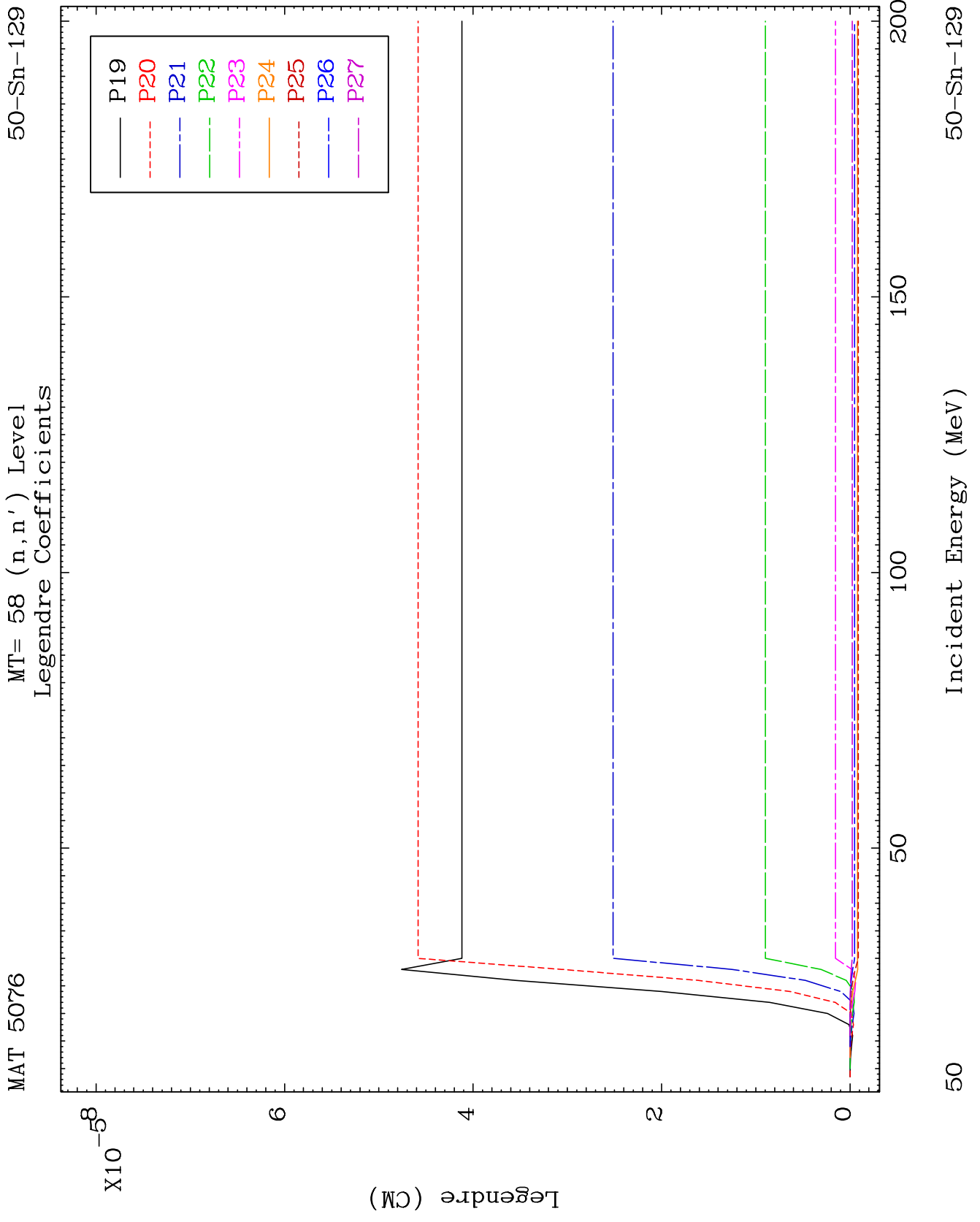
47

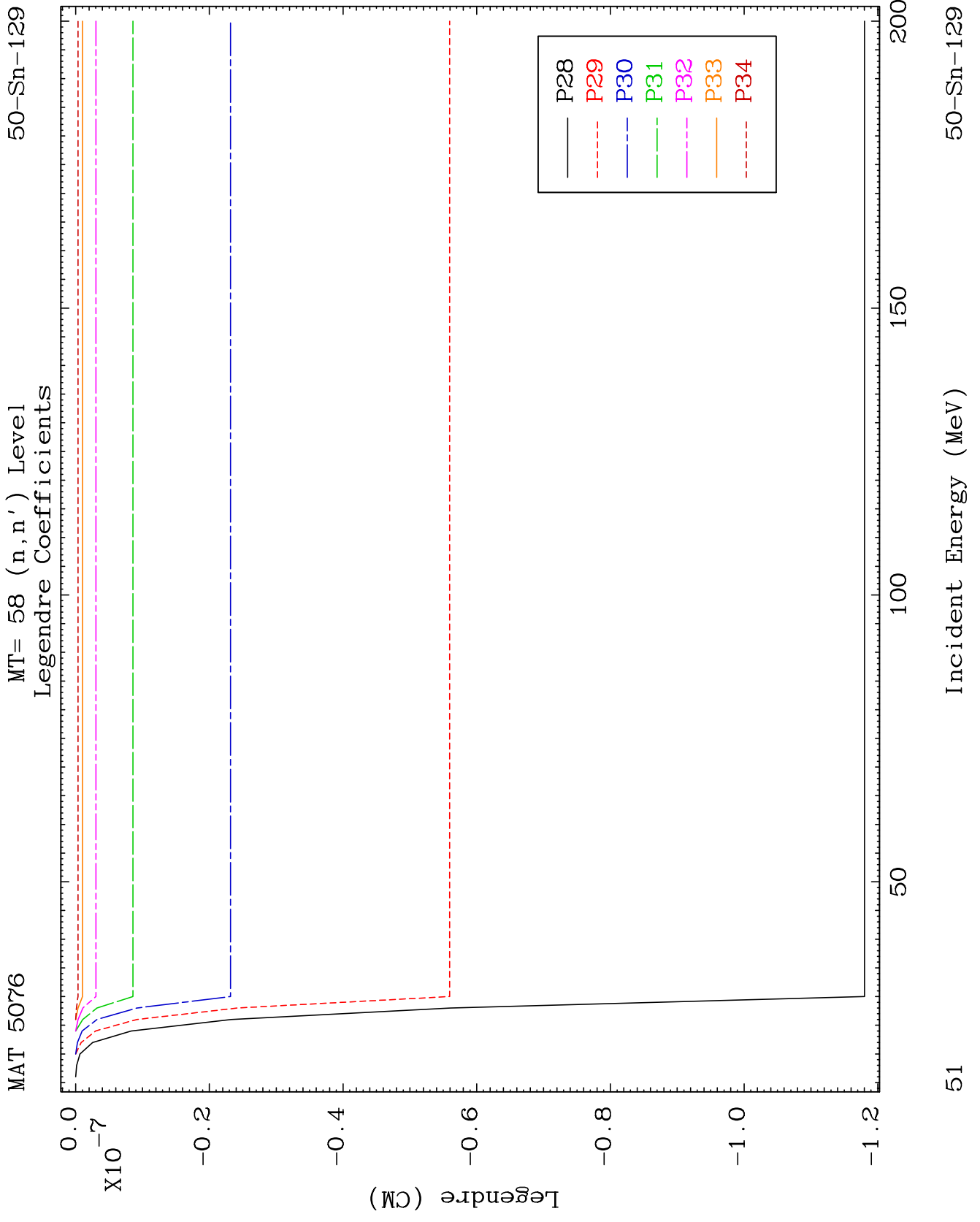
Incident Energy (MeV)

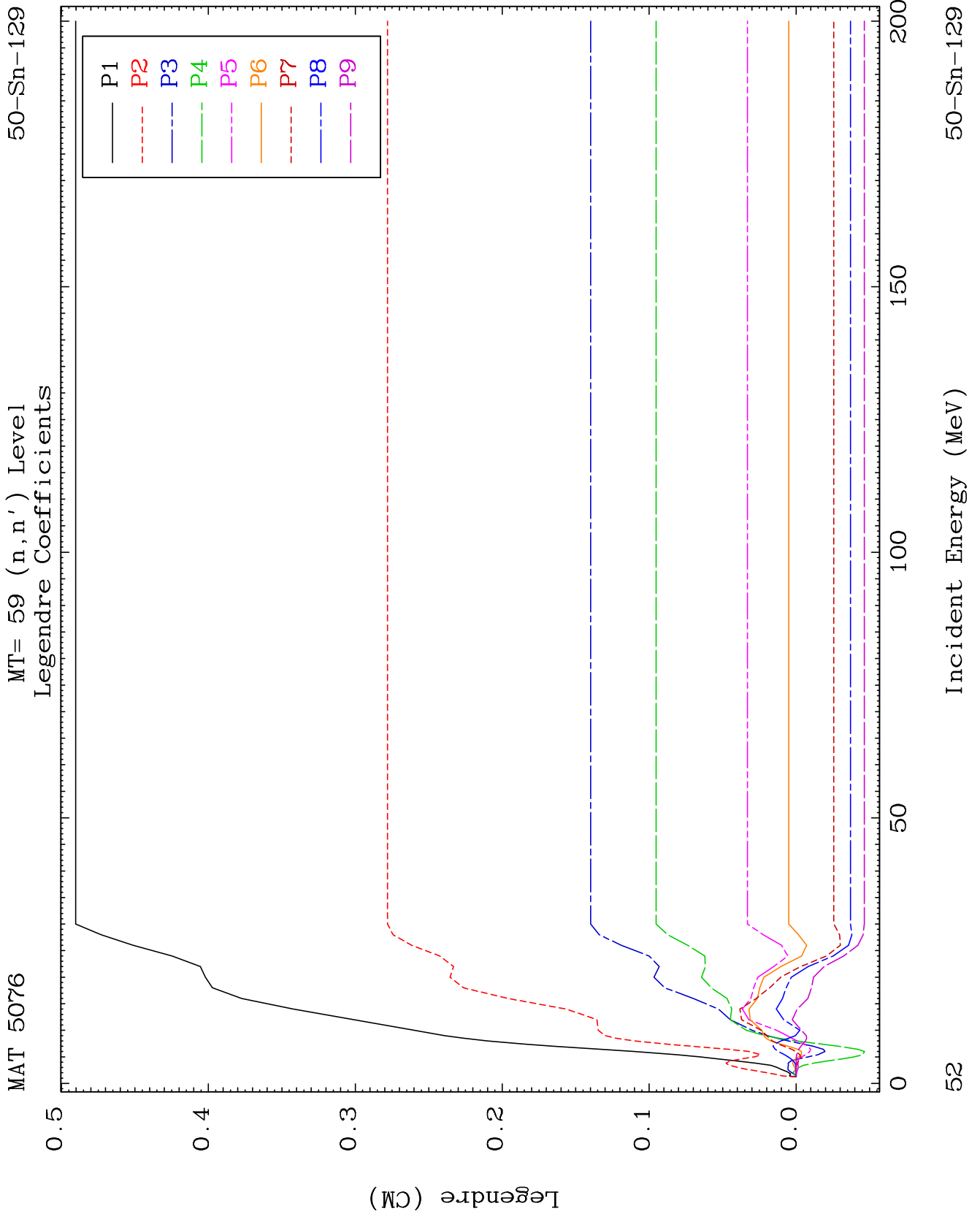
50-Sn-129

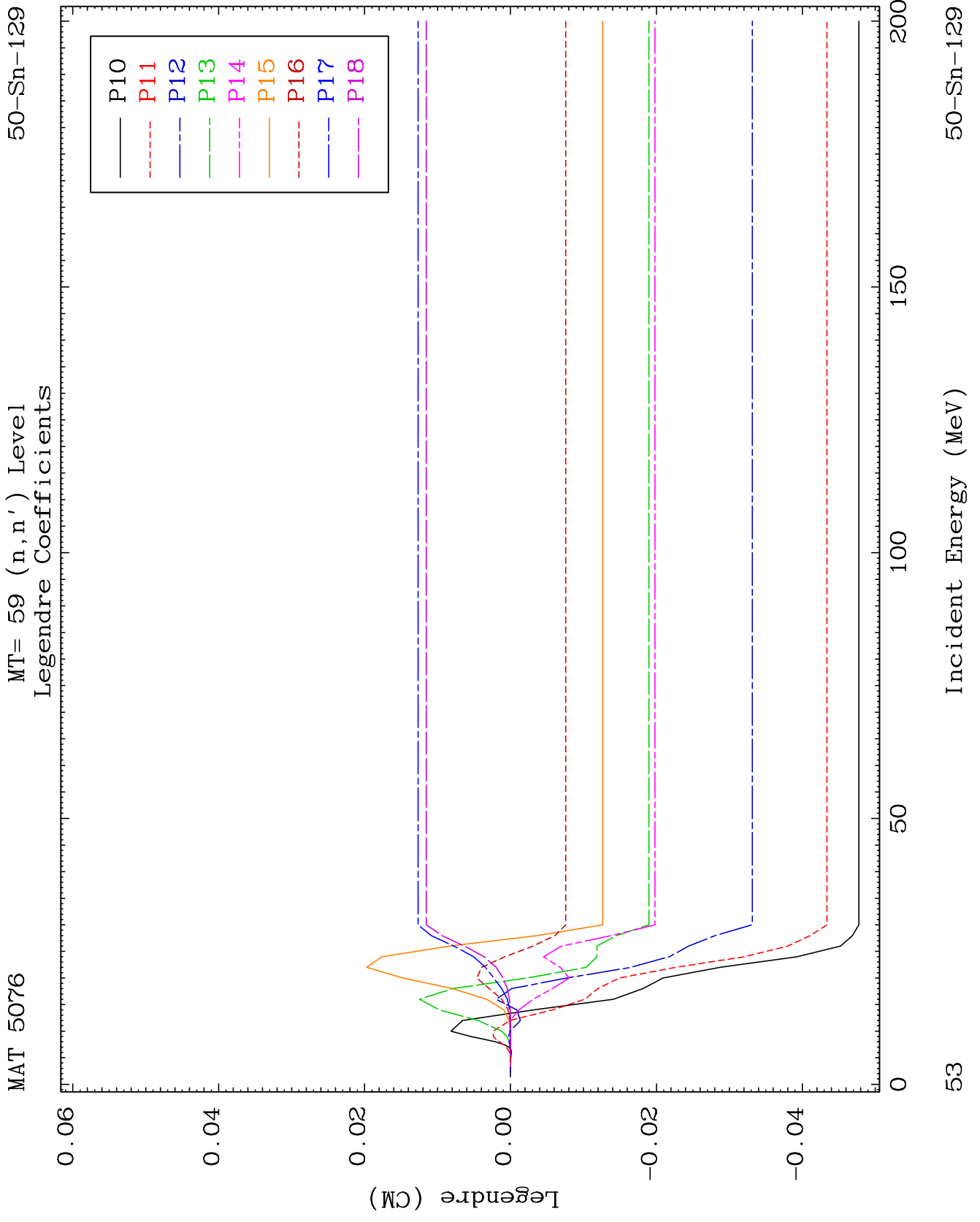


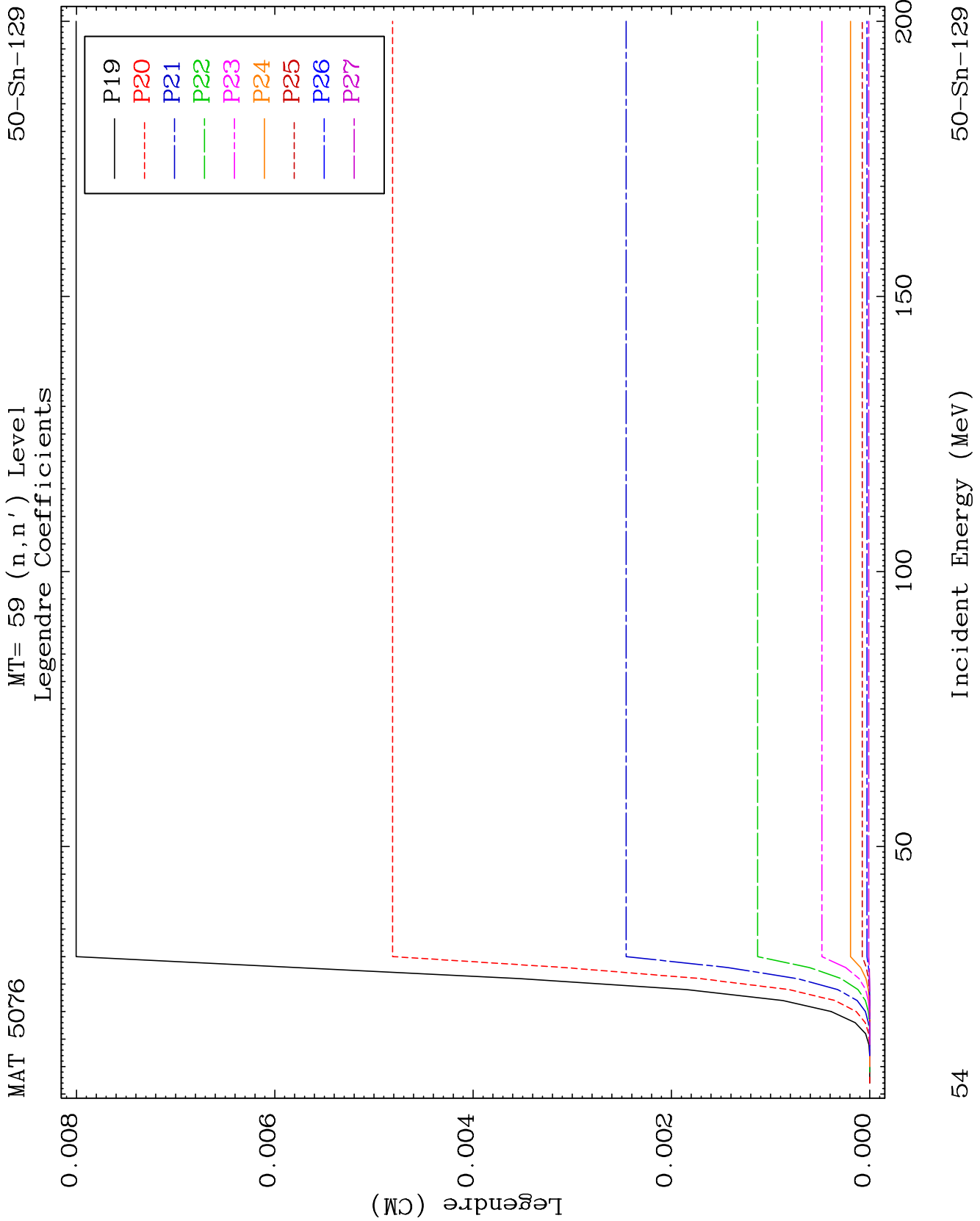








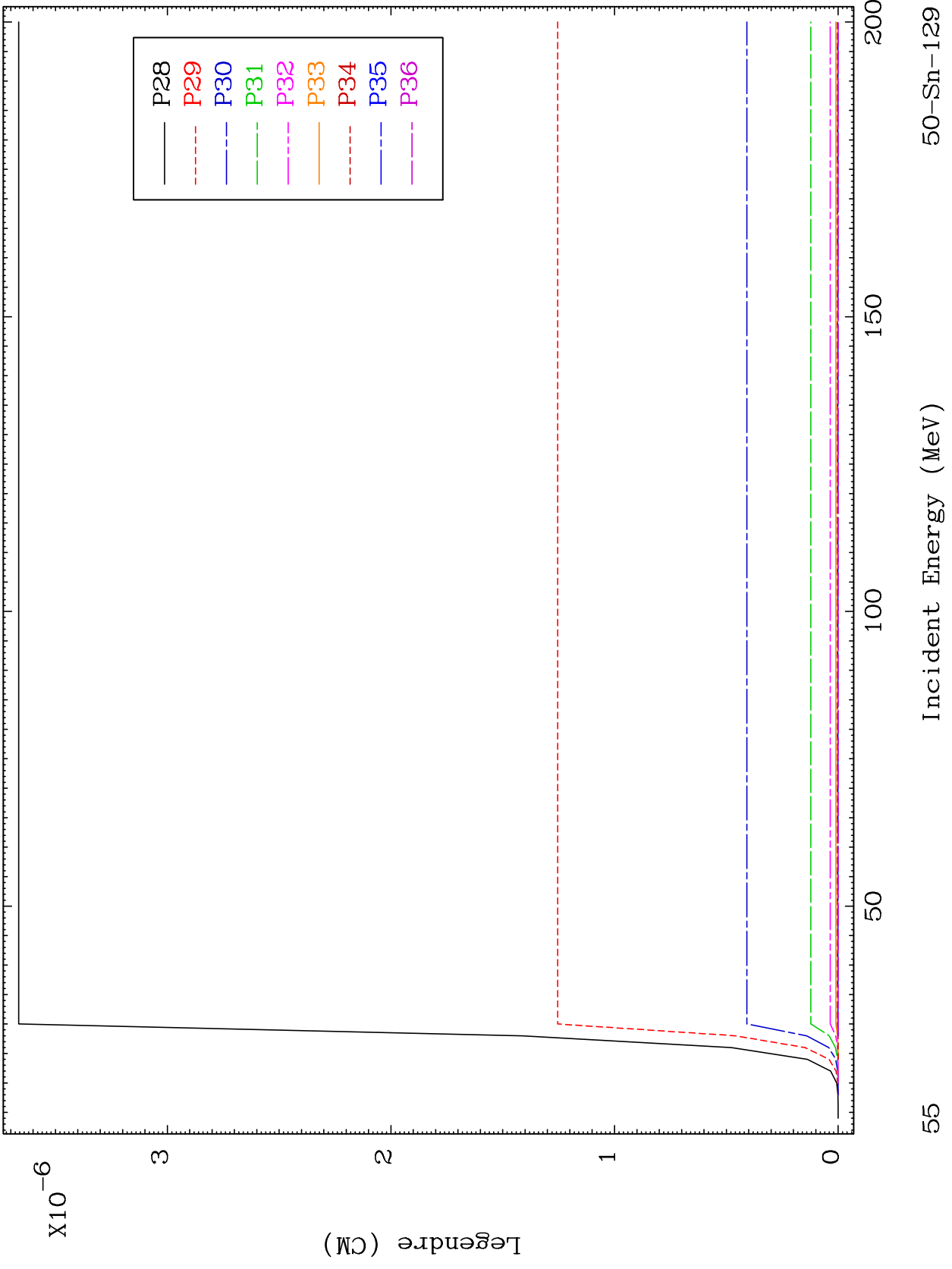


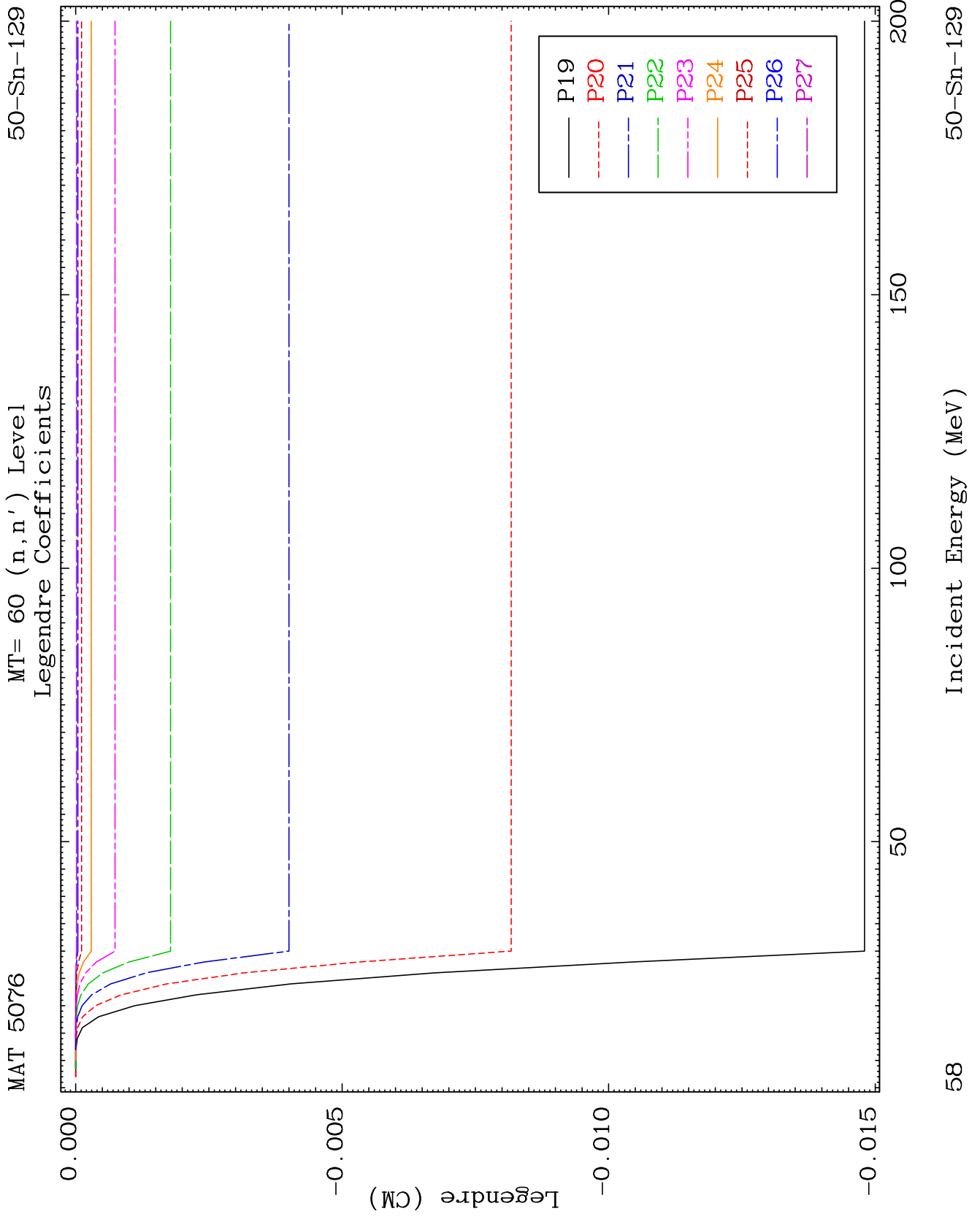


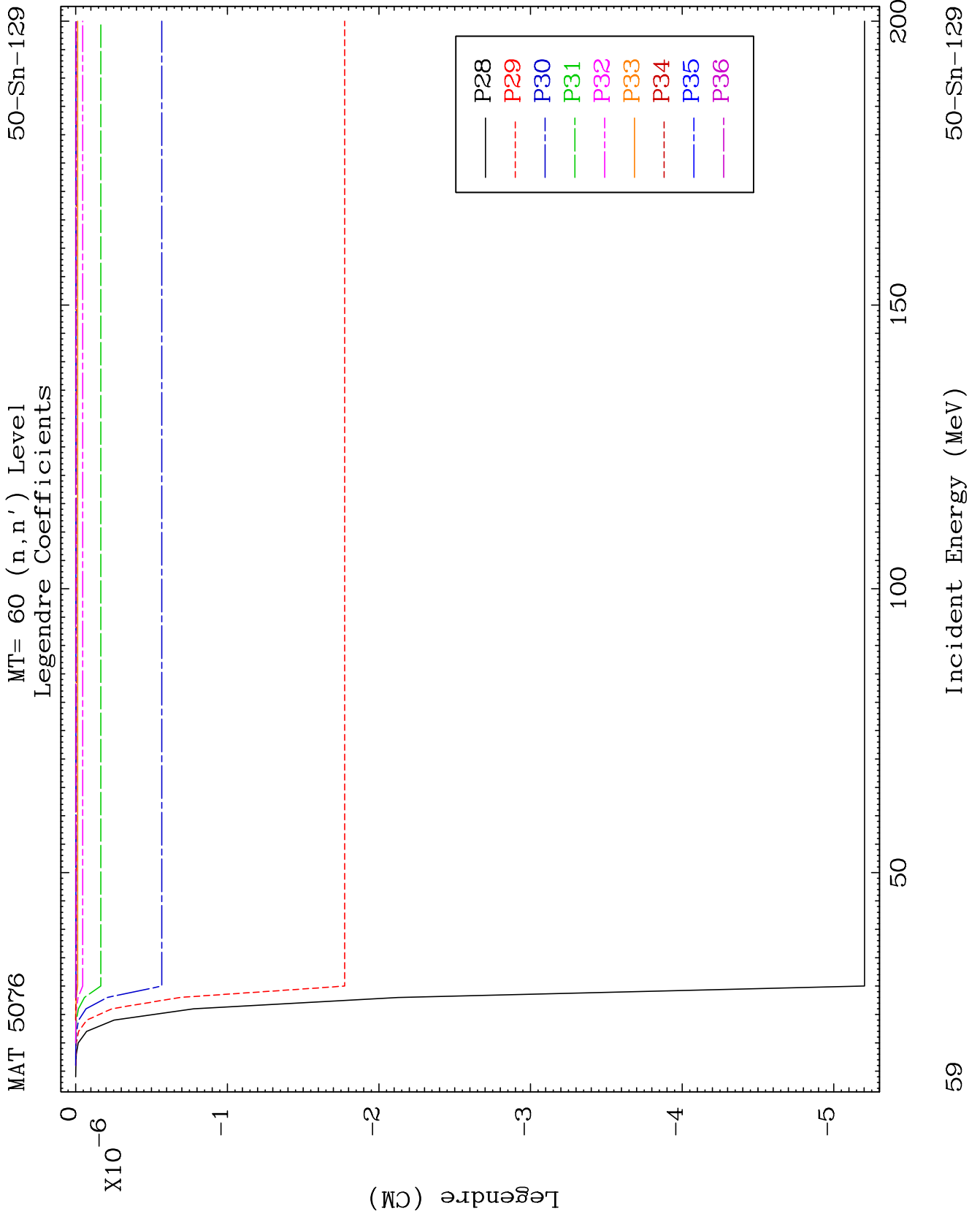
MAT 5076

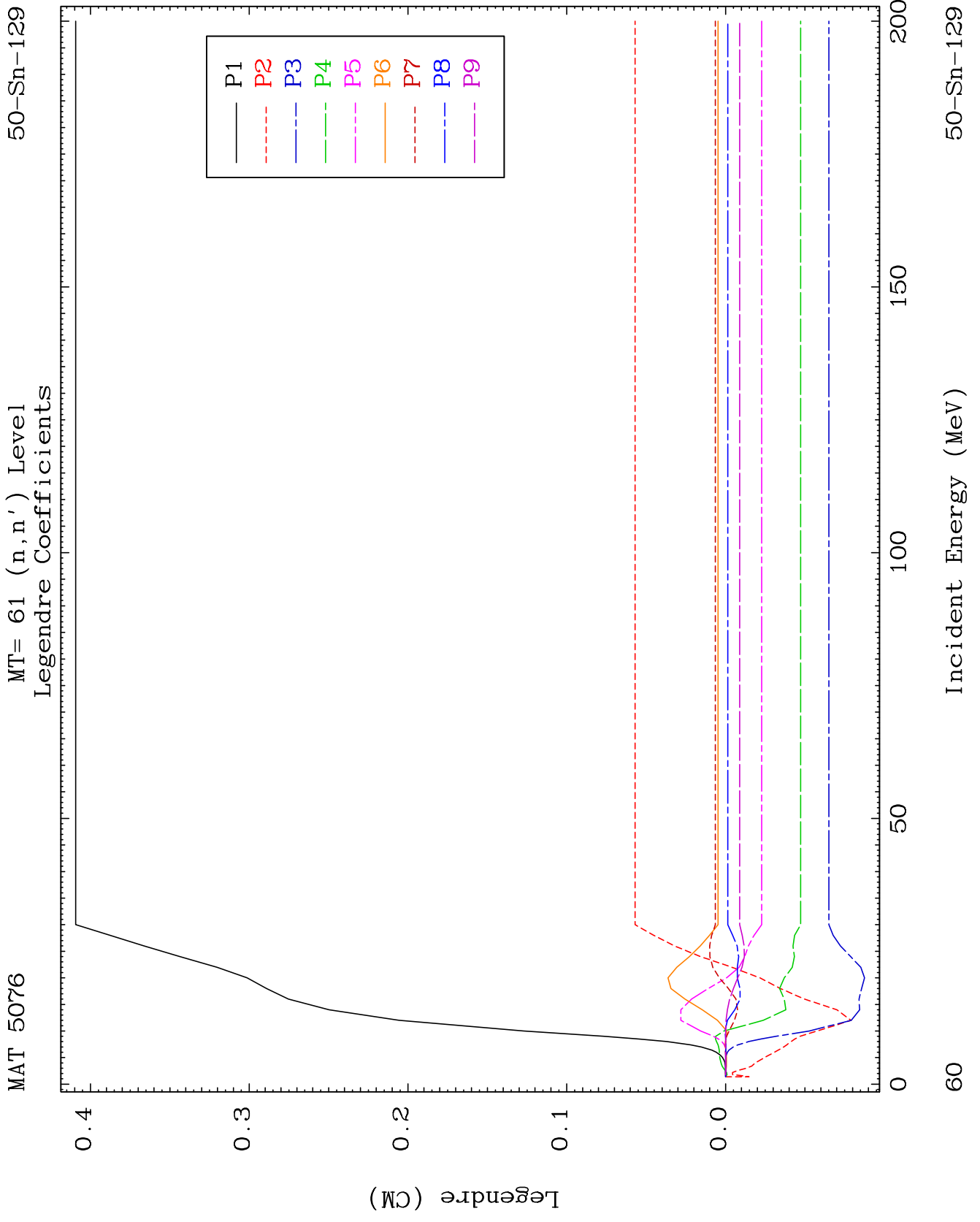
MT= 59 (n,n') Level
Legendre Coefficients

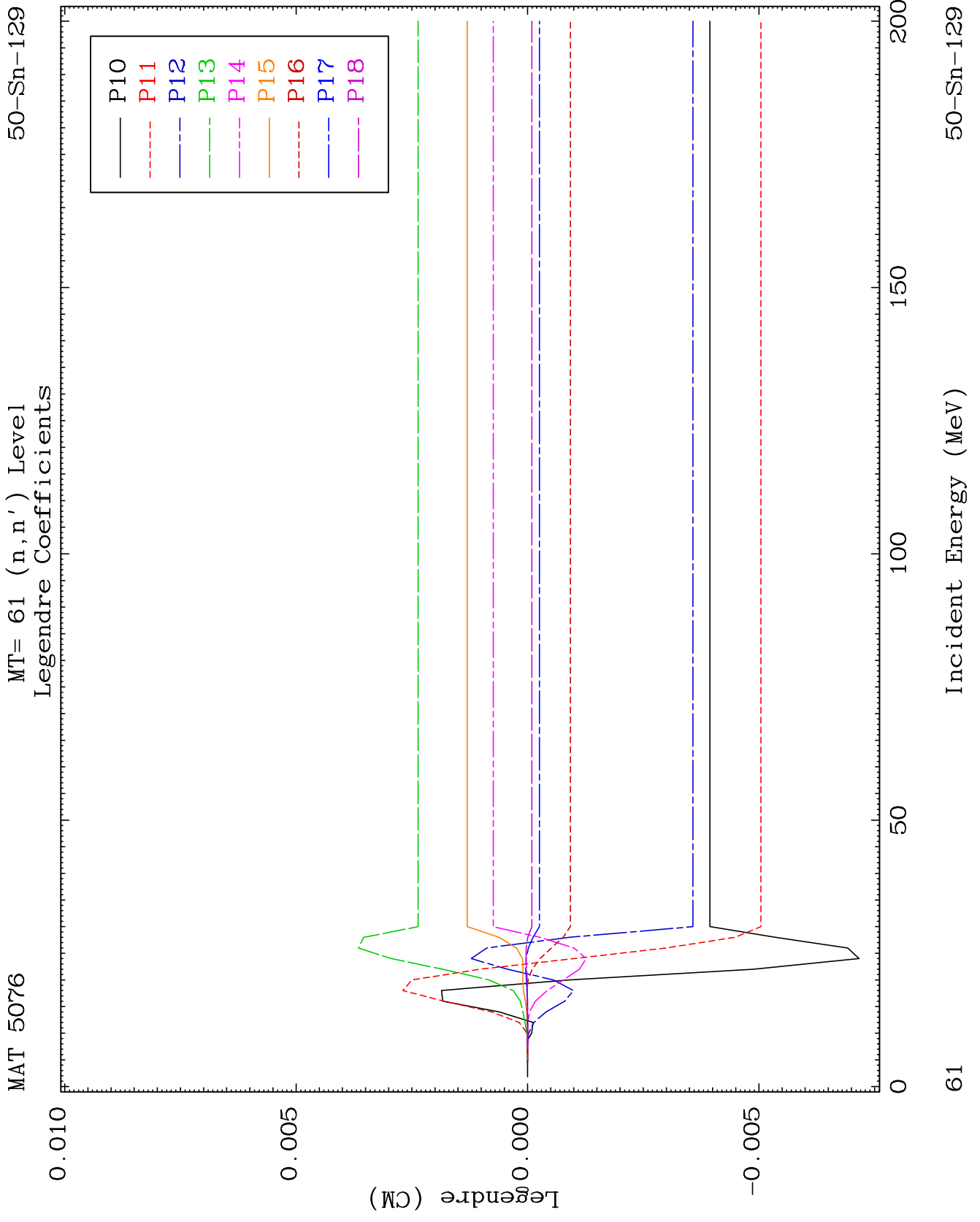
50-Sn-129

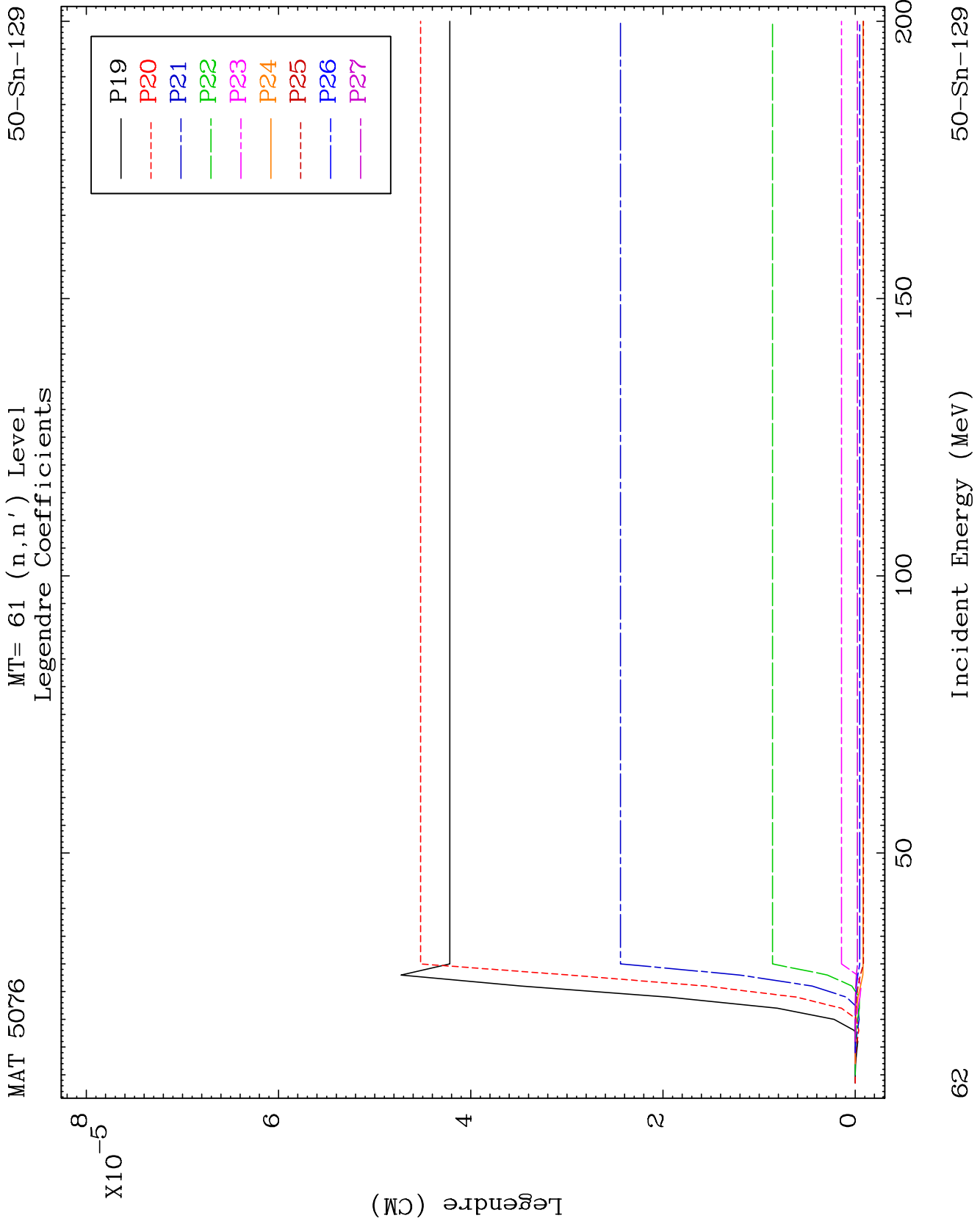


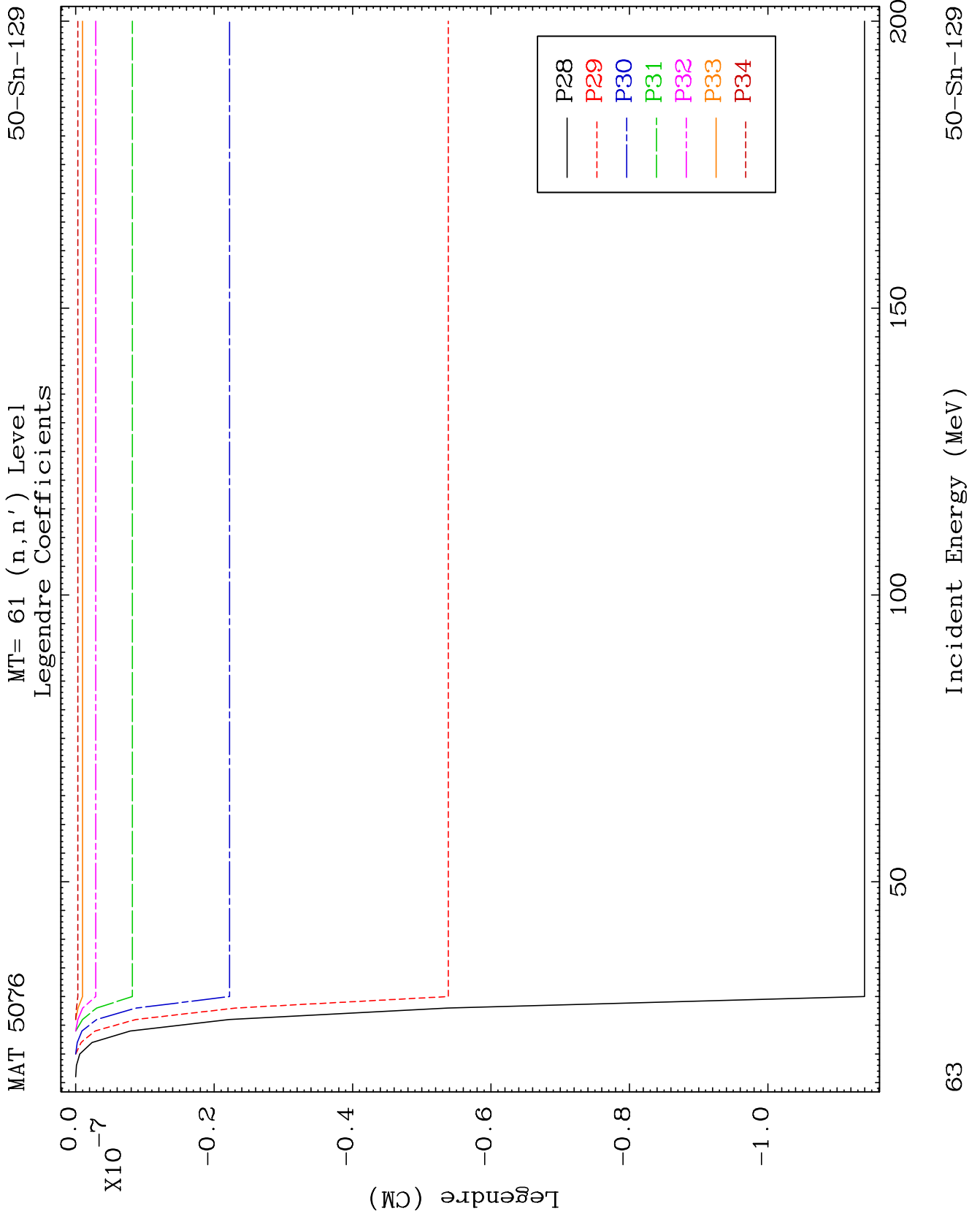


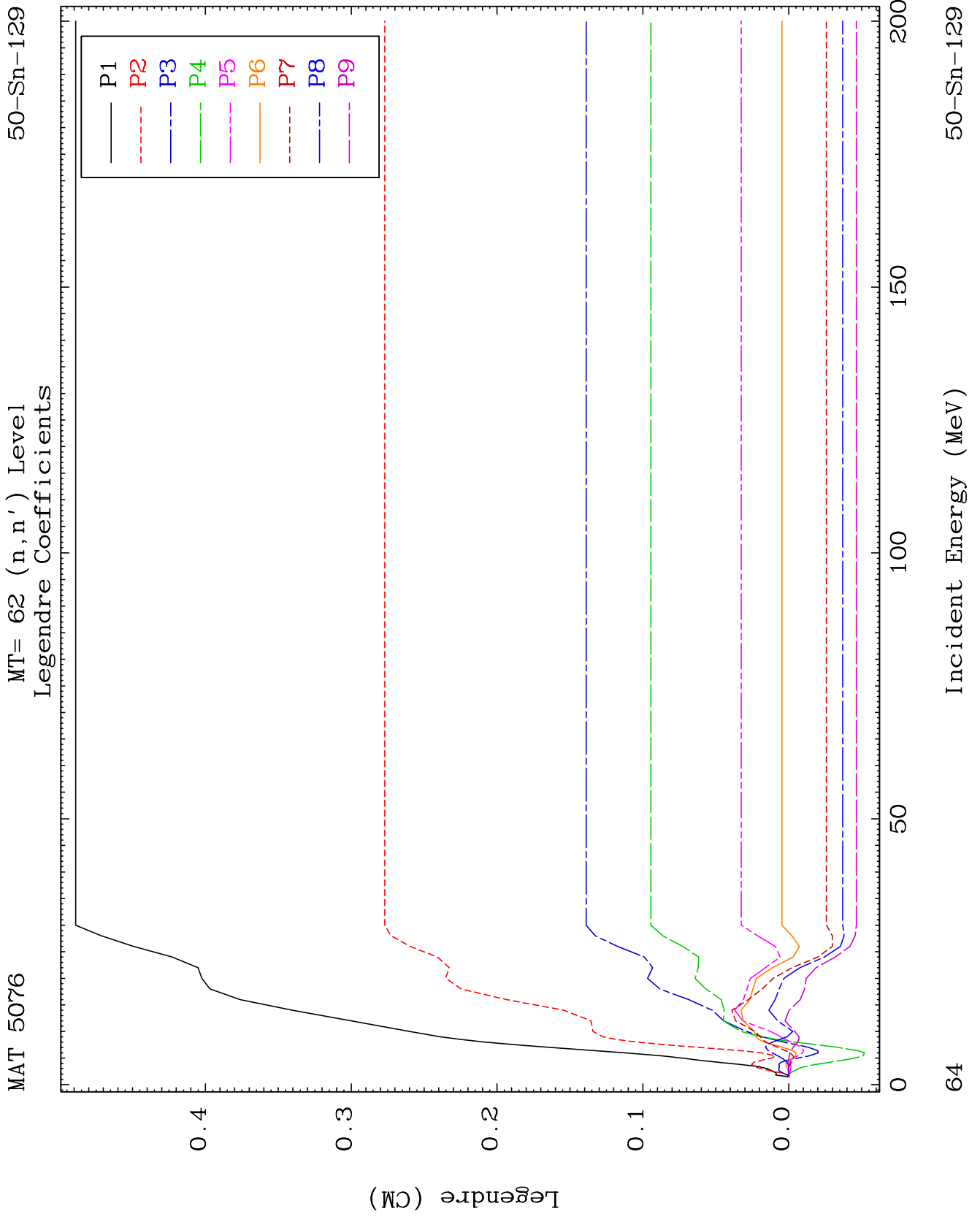


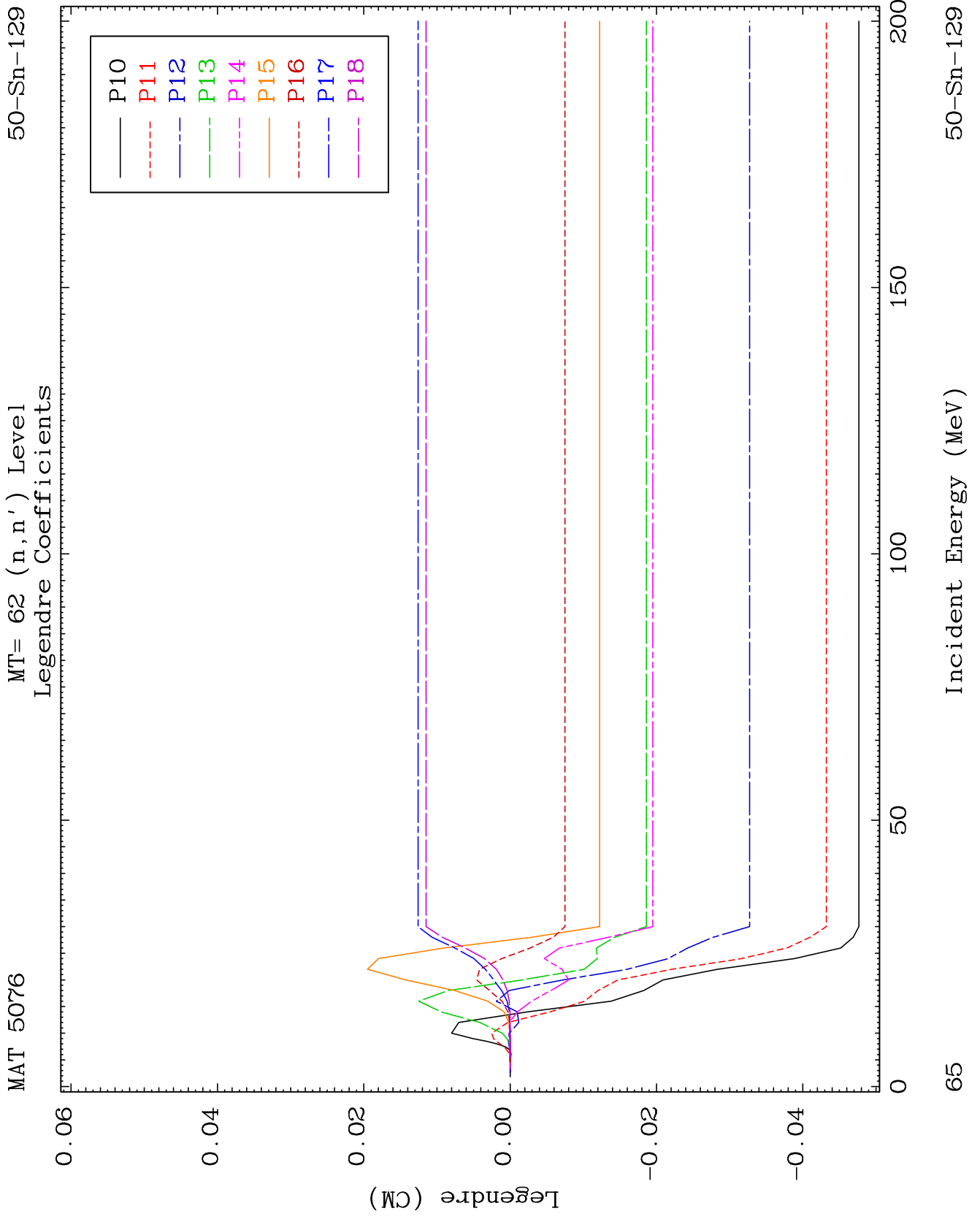


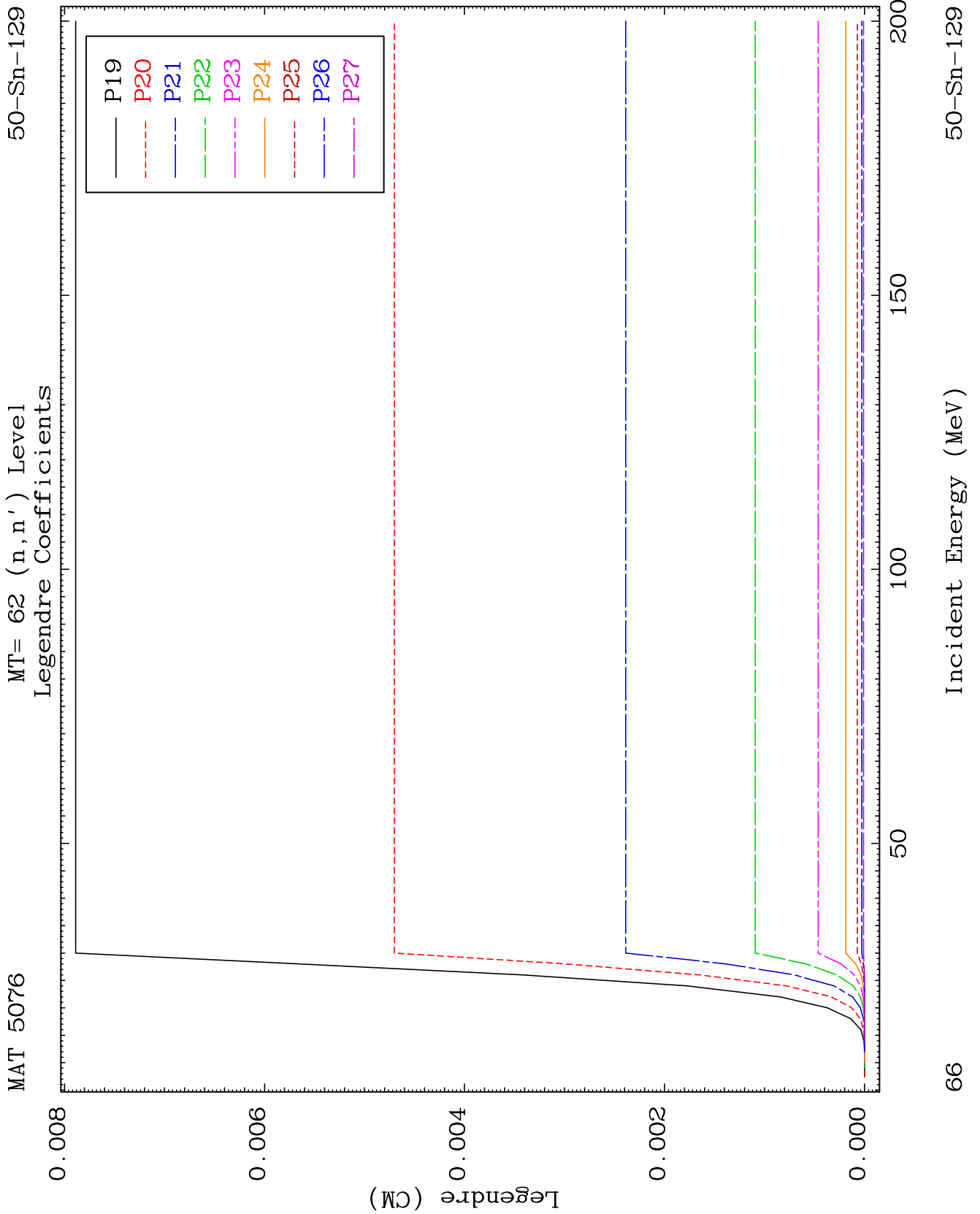


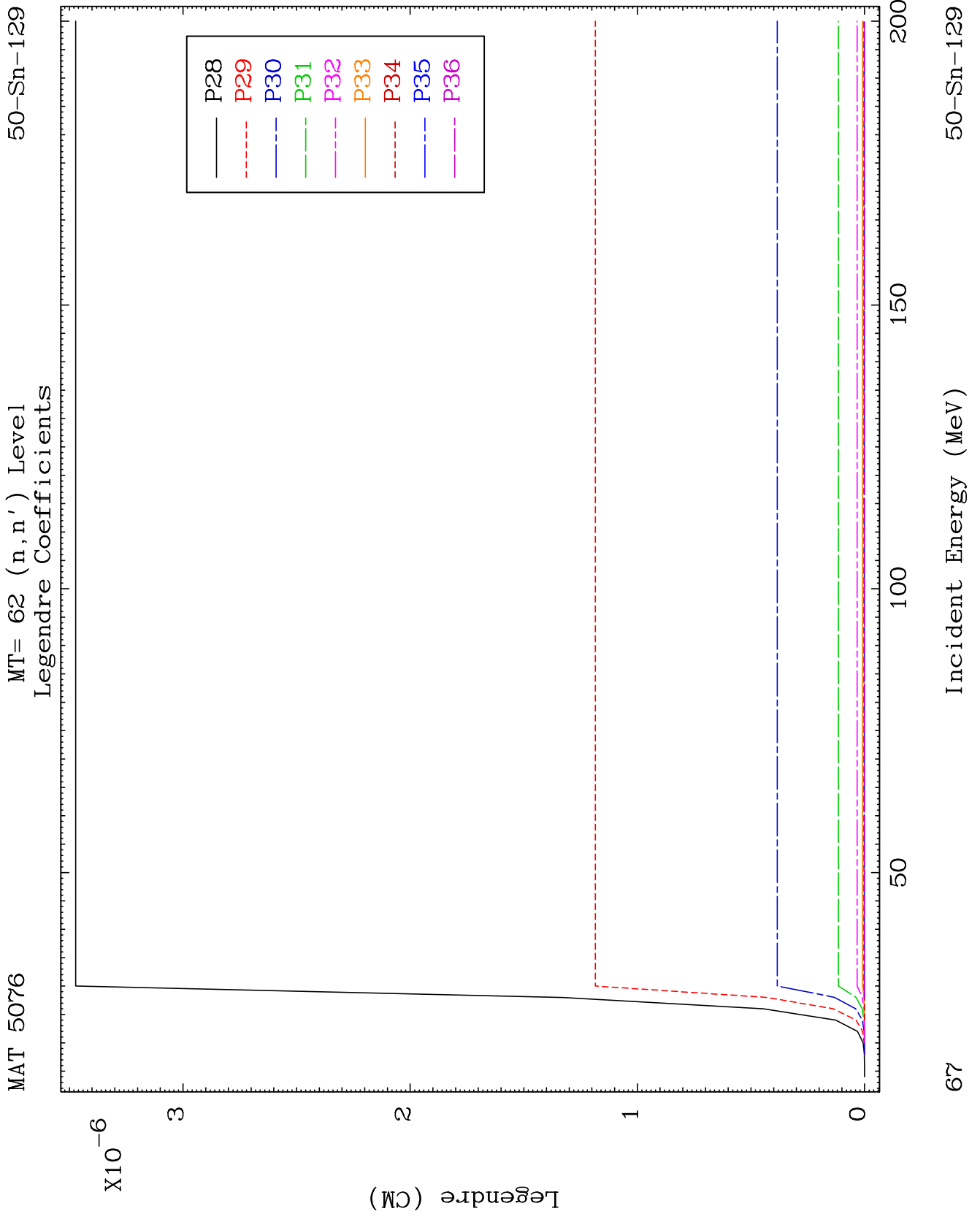








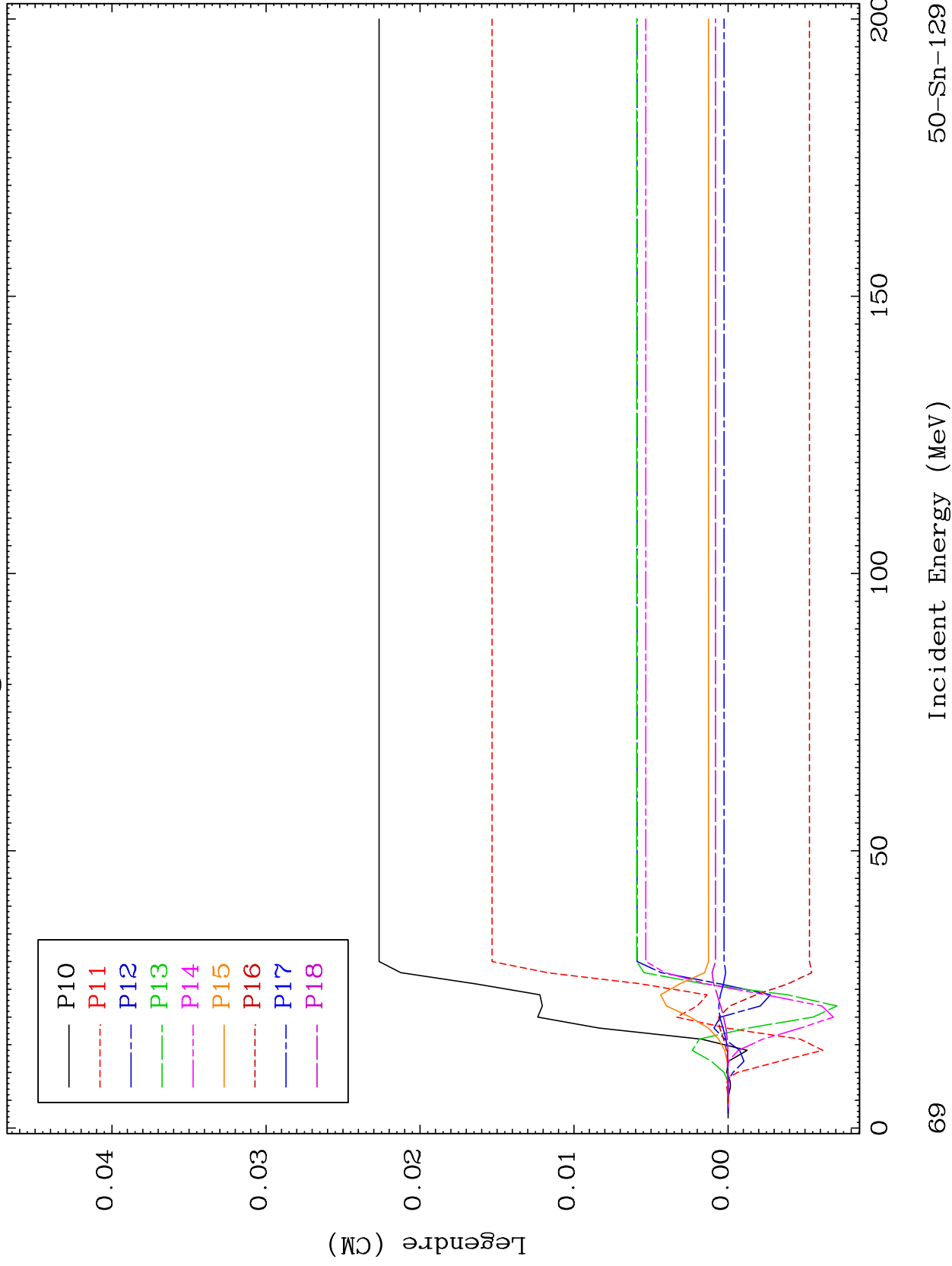




MAT 5076

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

50-Sn-129



69

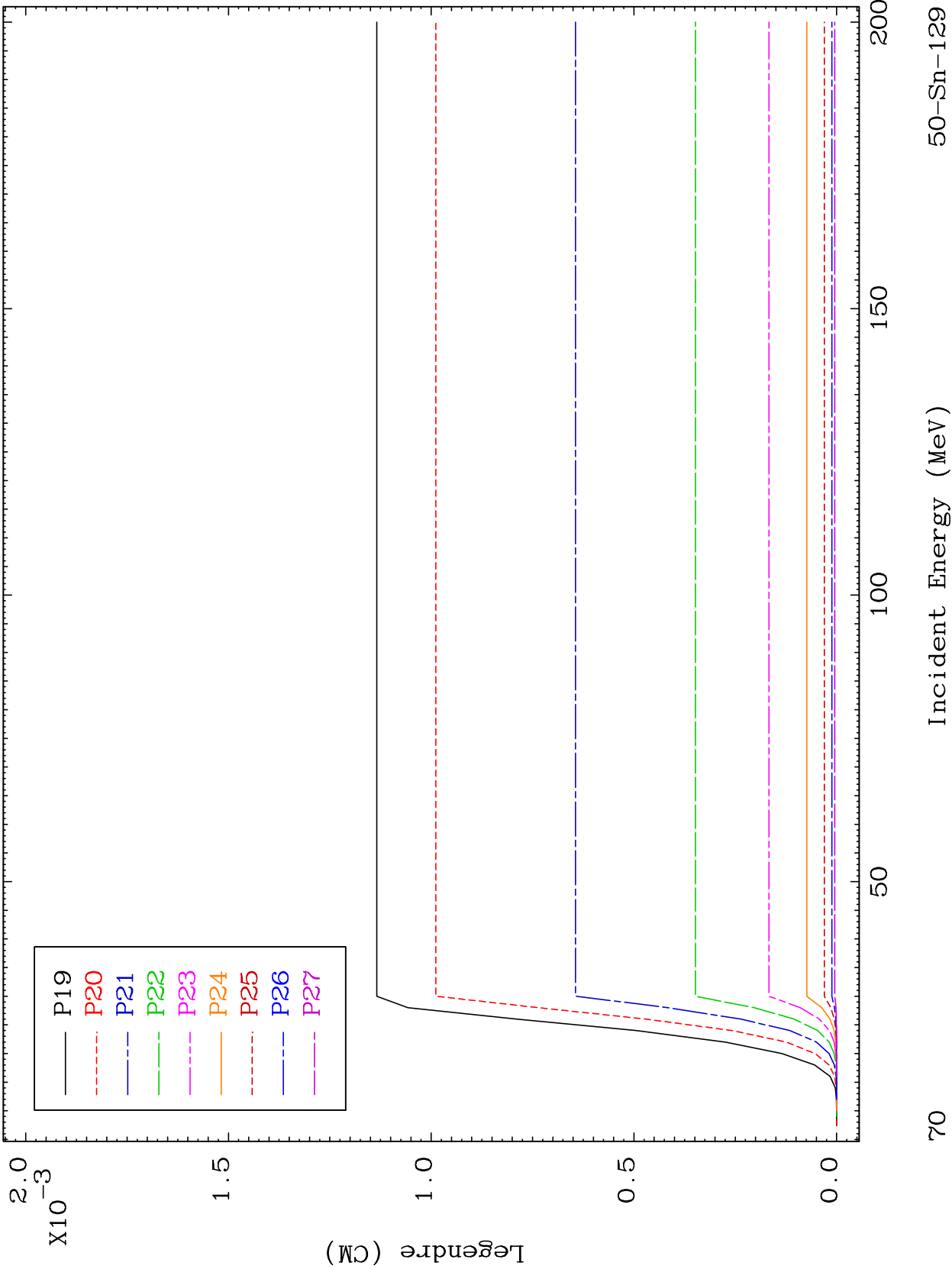
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

50-Sn-129



70

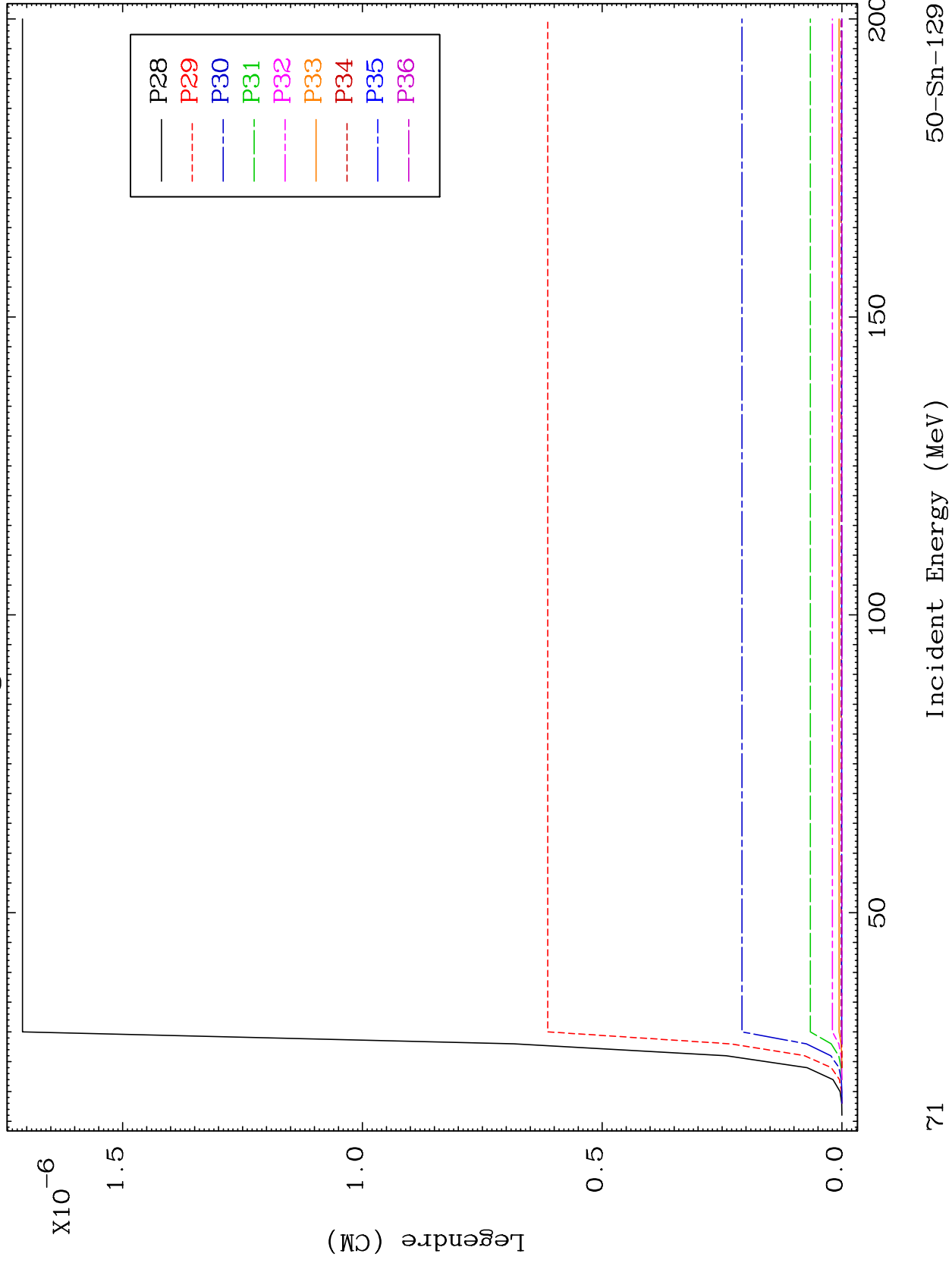
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

50-Sn-129



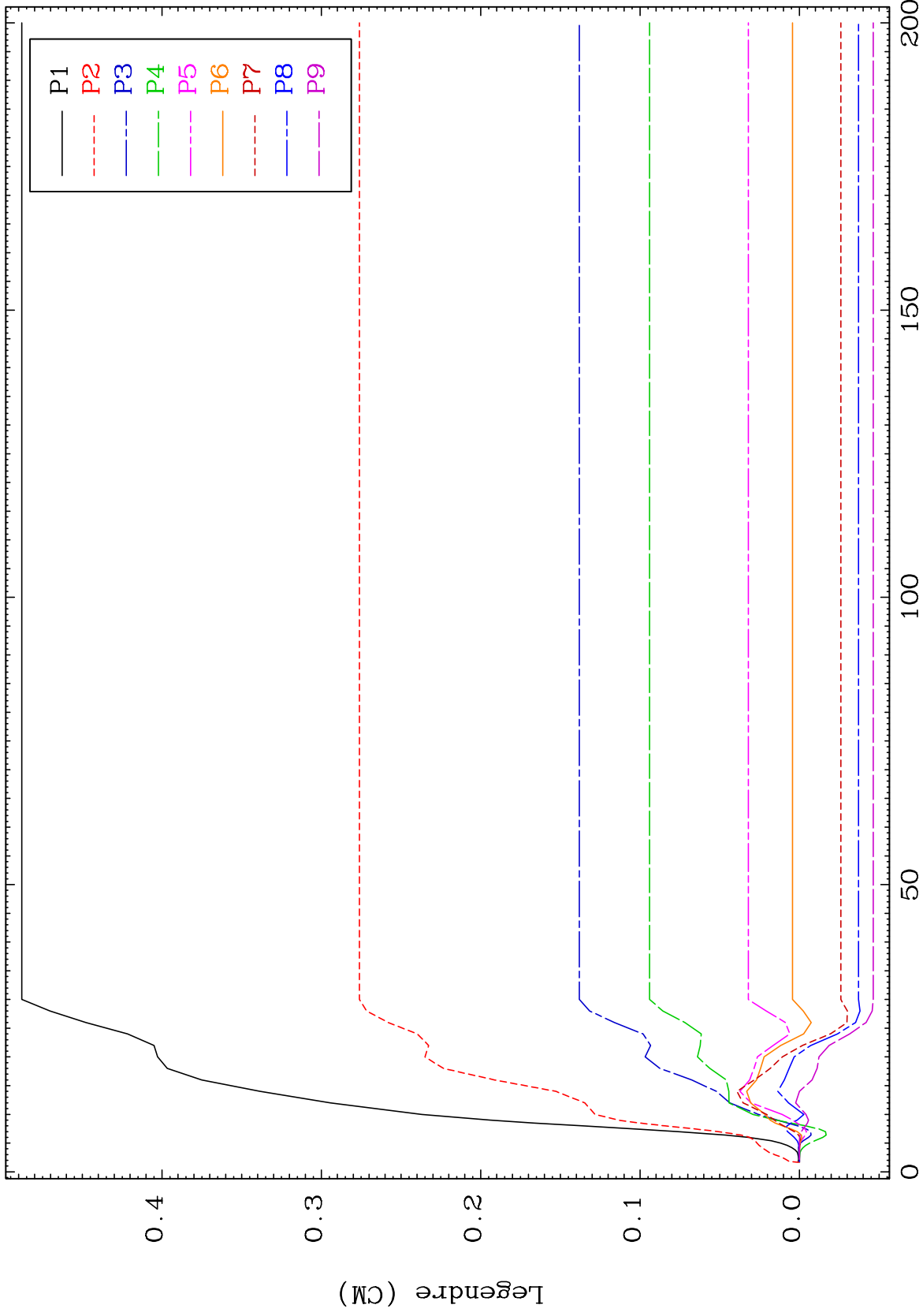
71

50-Sn-129

MAT 5076

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

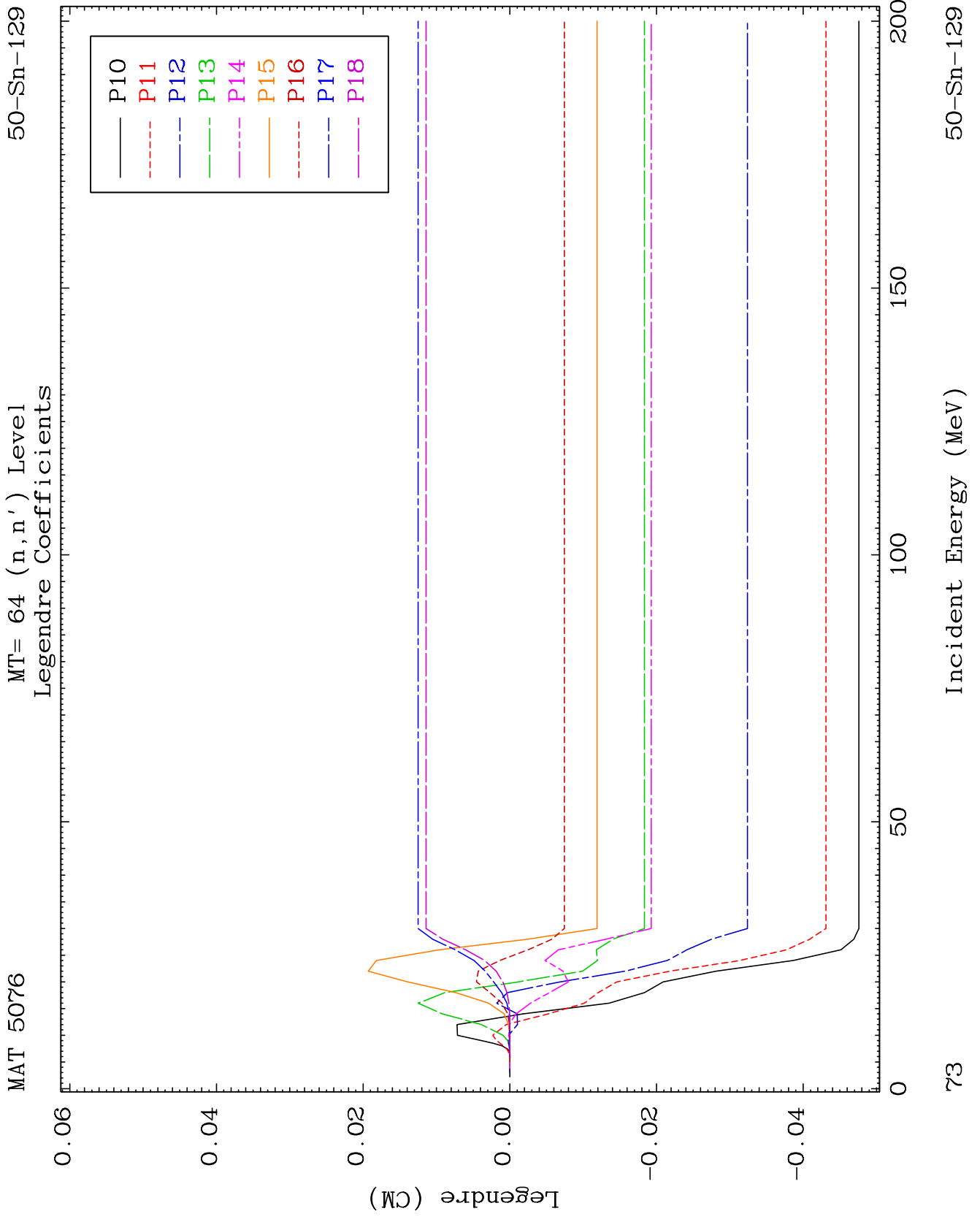
50-Sn-129



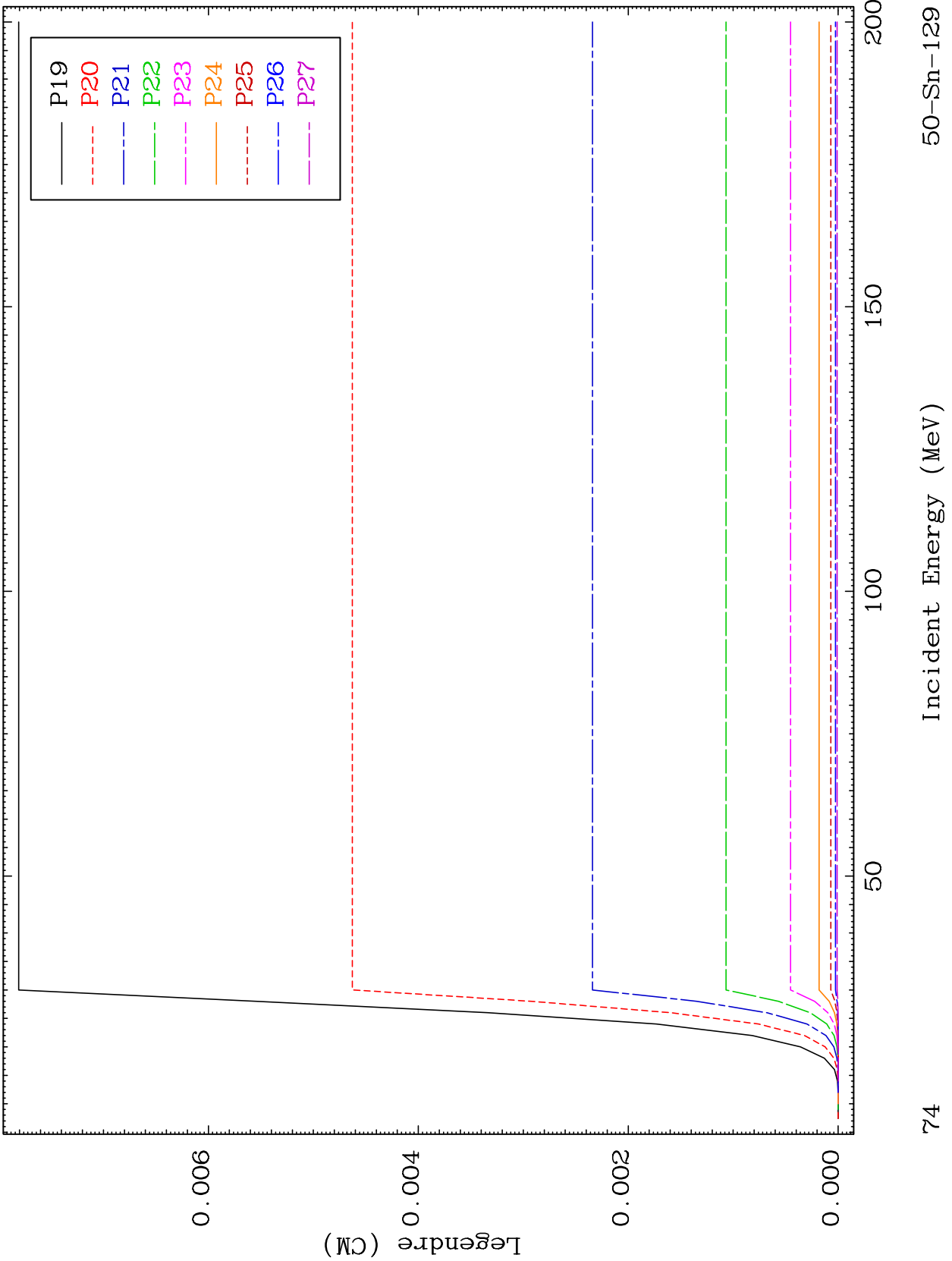
72

Incident Energy (MeV)

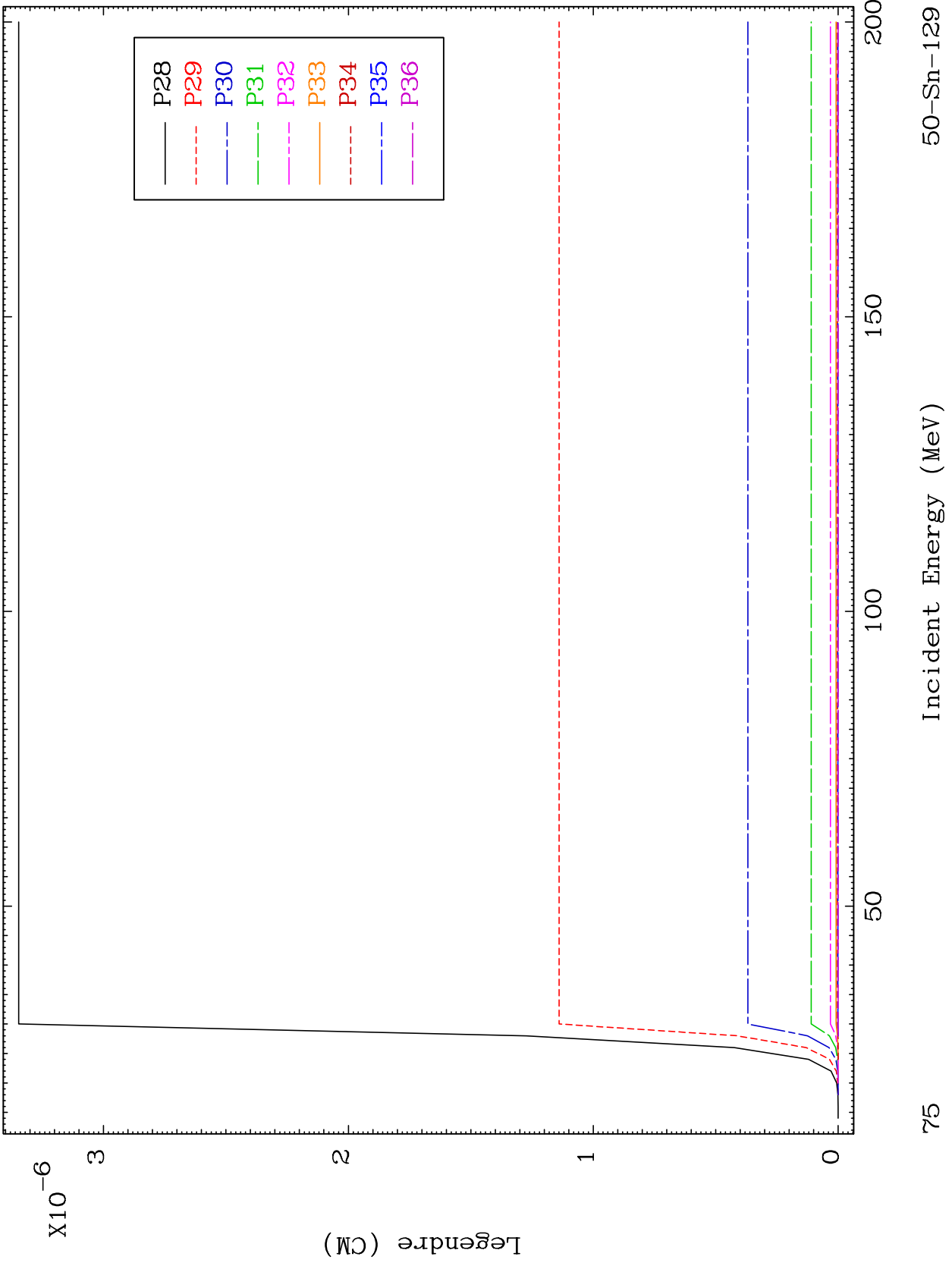
50-Sn-129



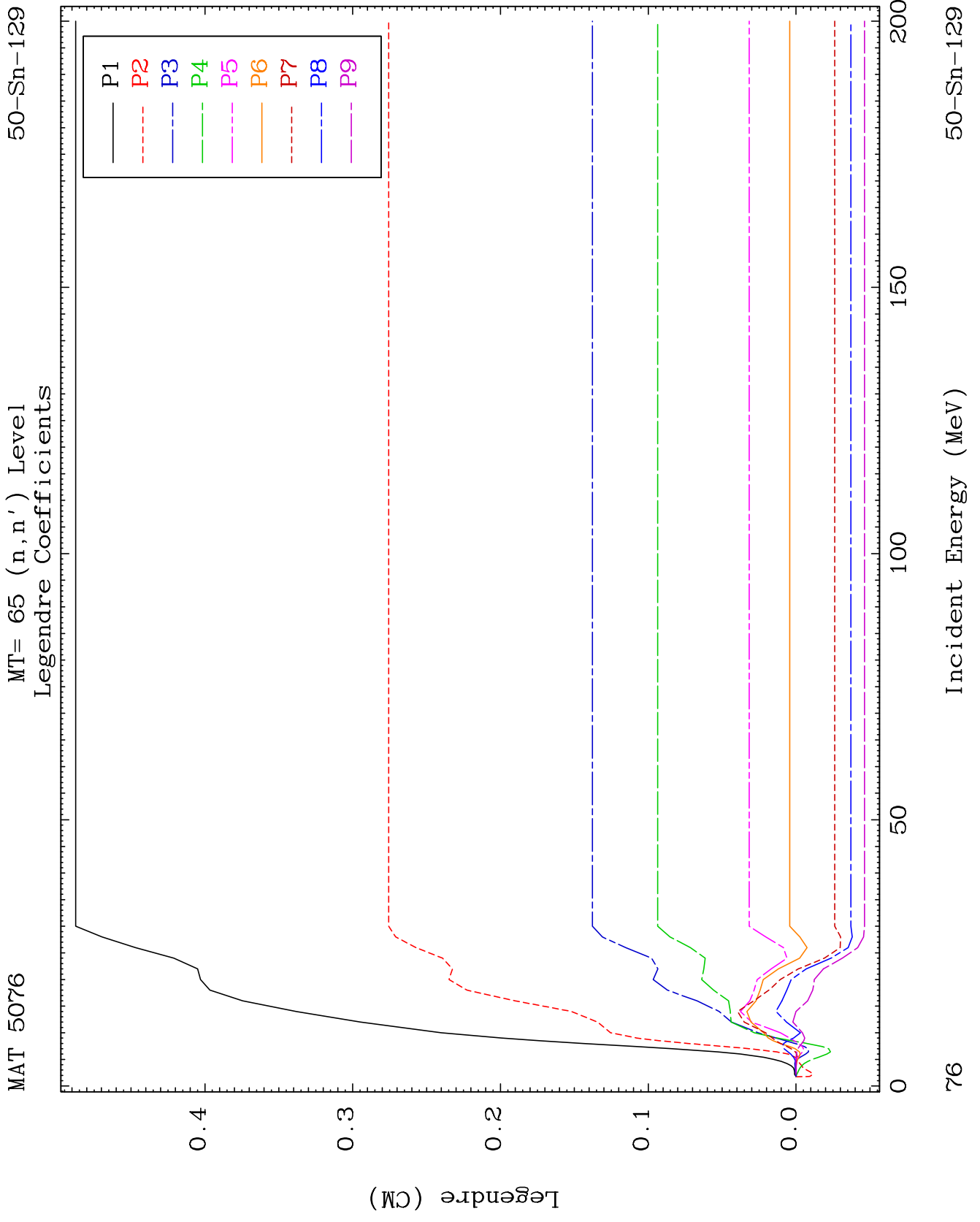
MAT 5076 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-129

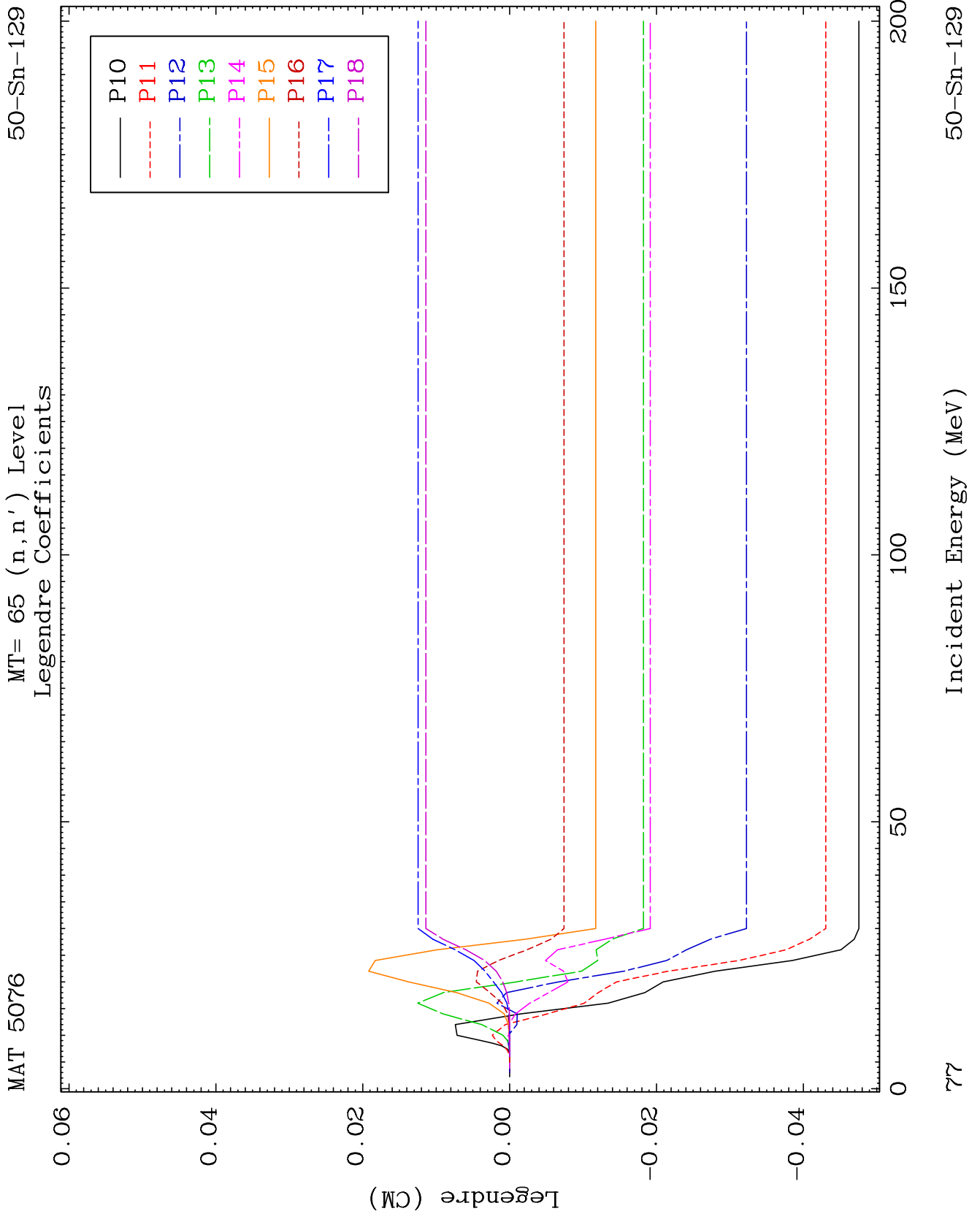


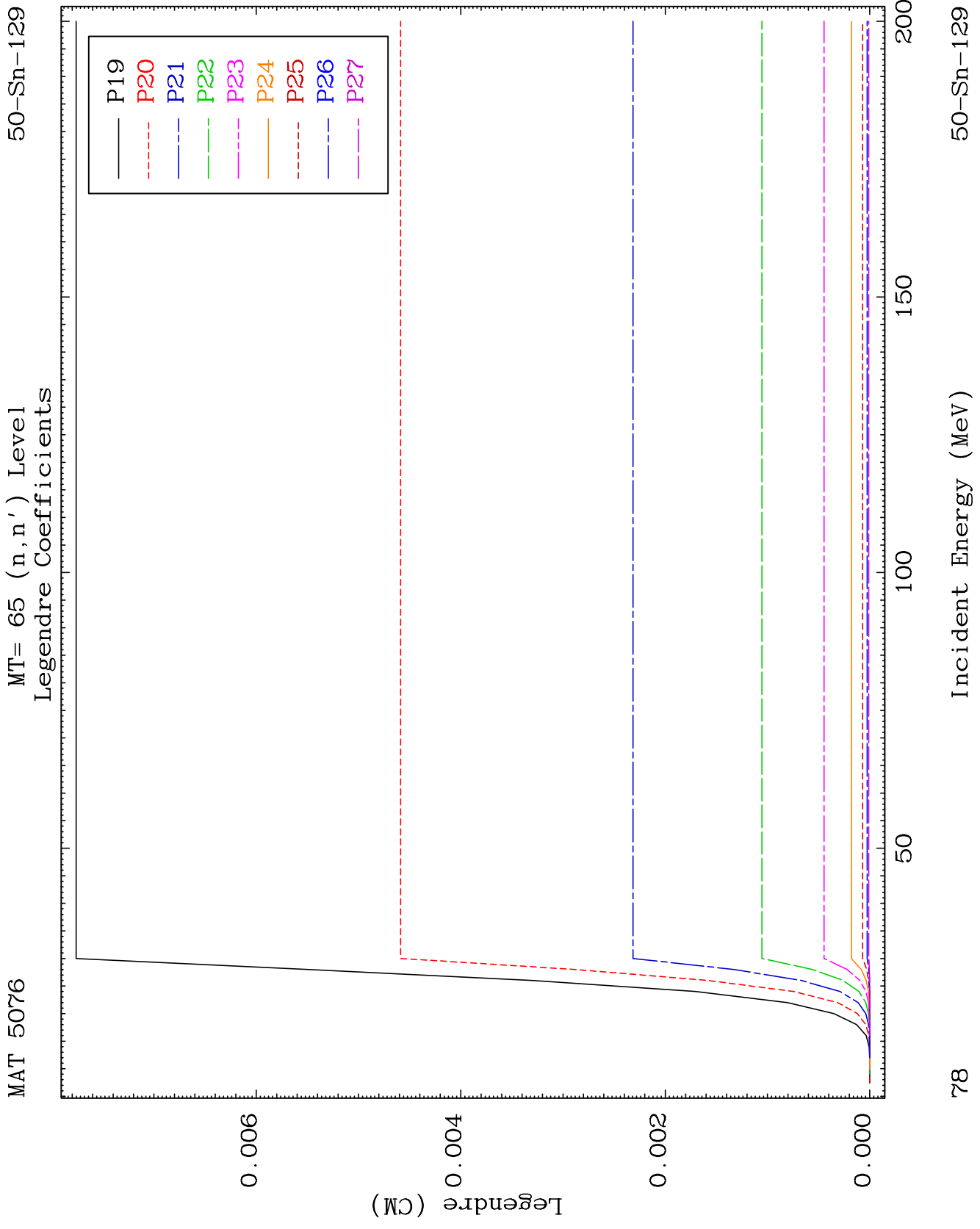
MAT 5076 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-129



75 50 100 150 200 50-Sn-129



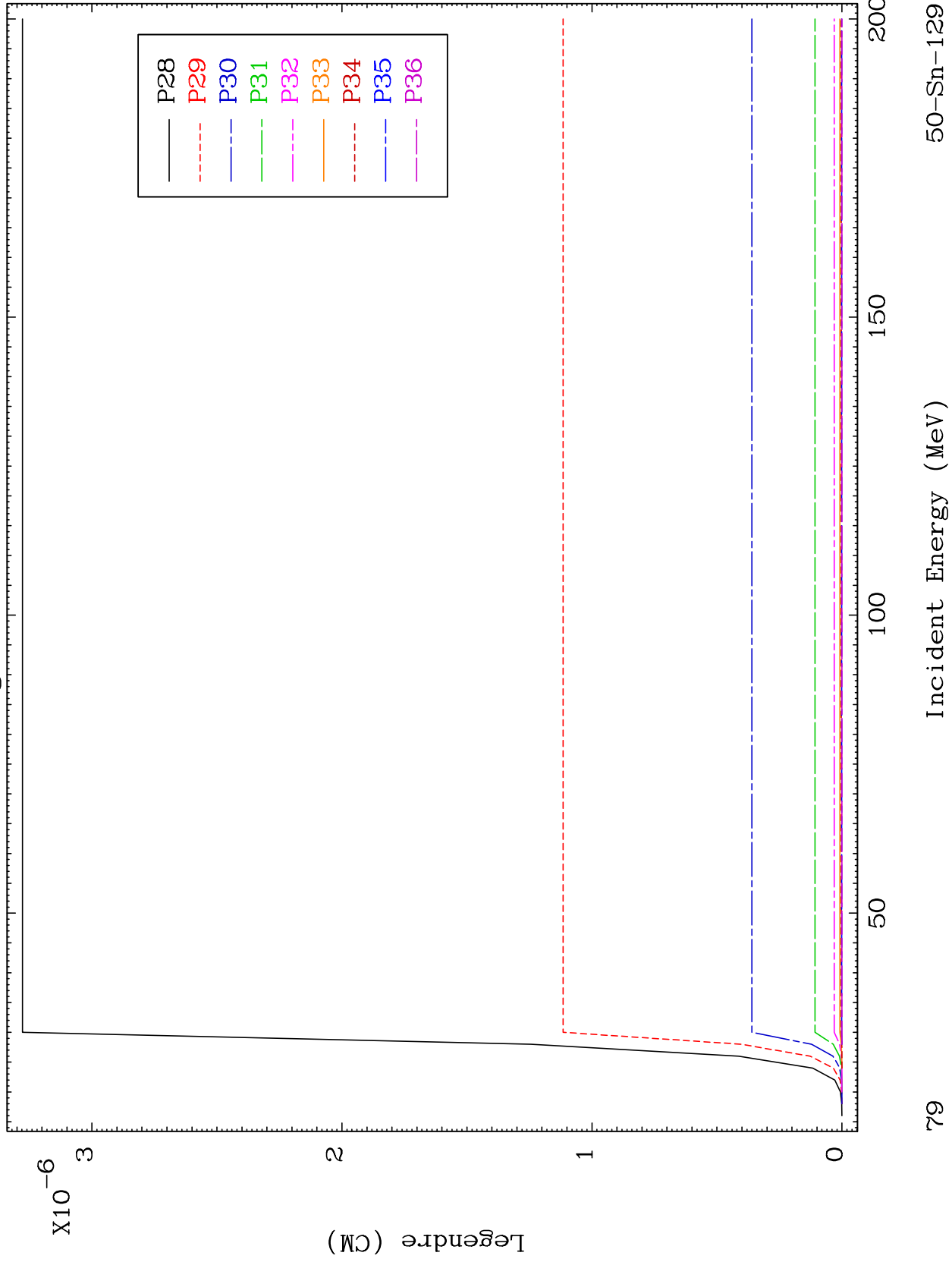


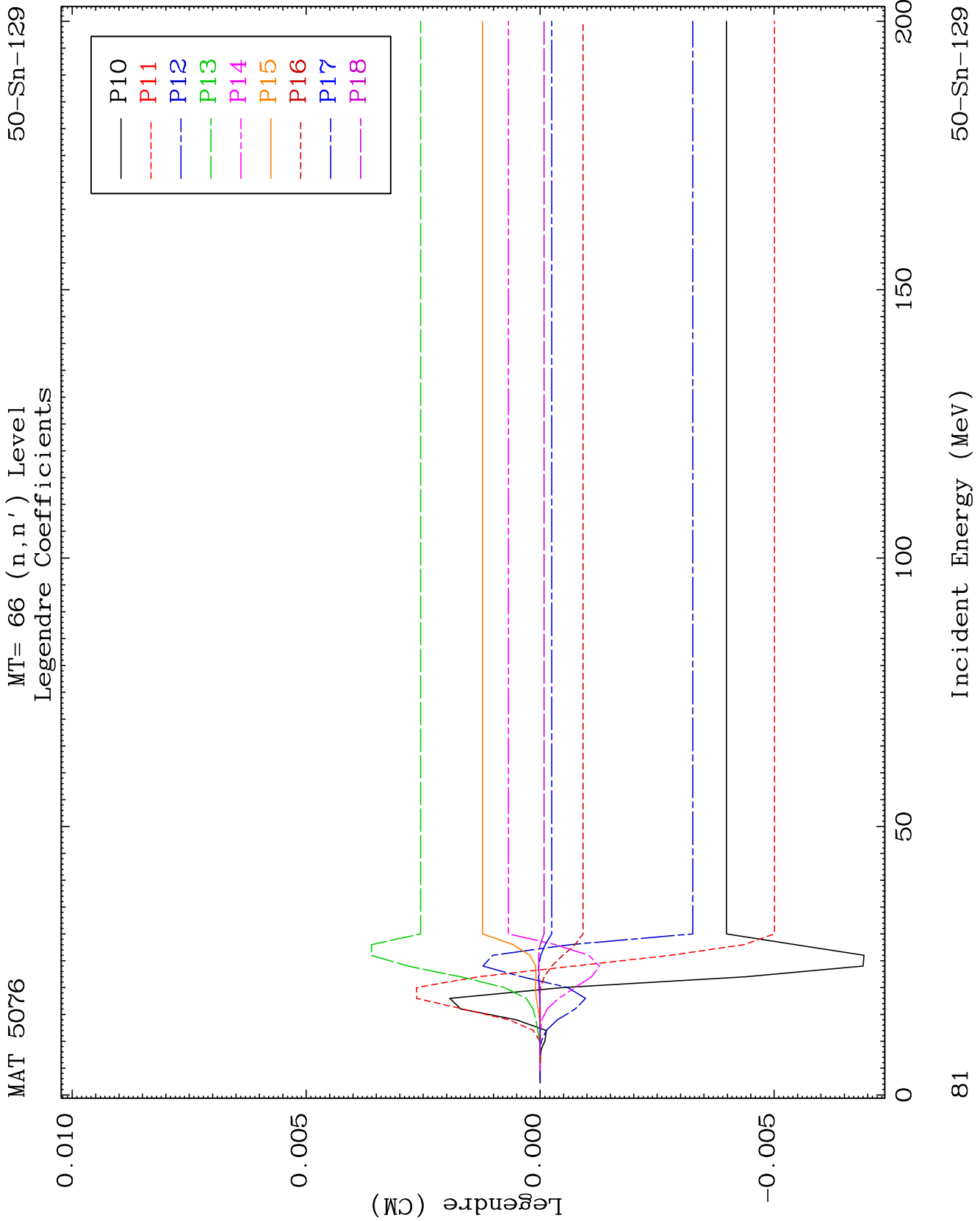


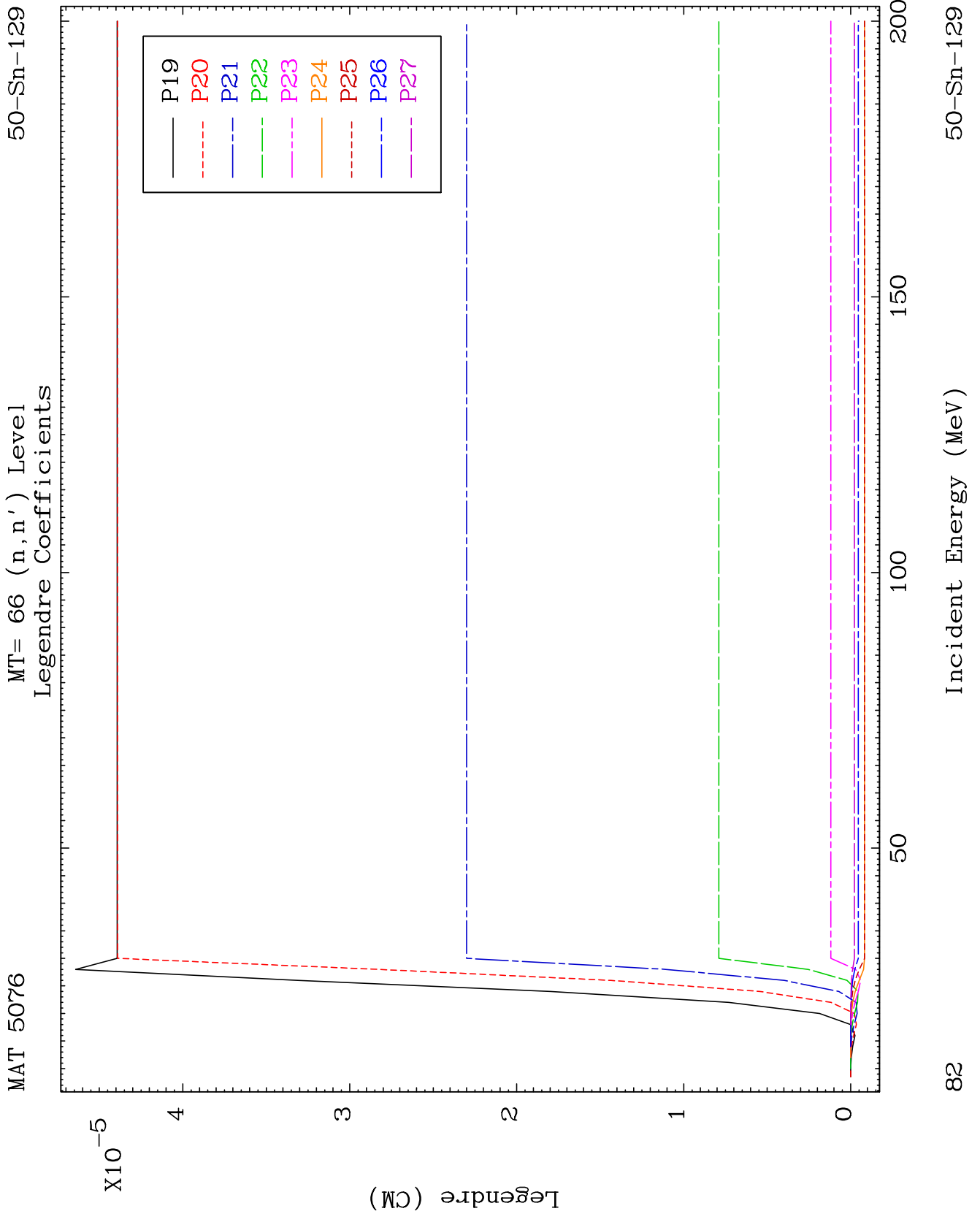
MAT 5076

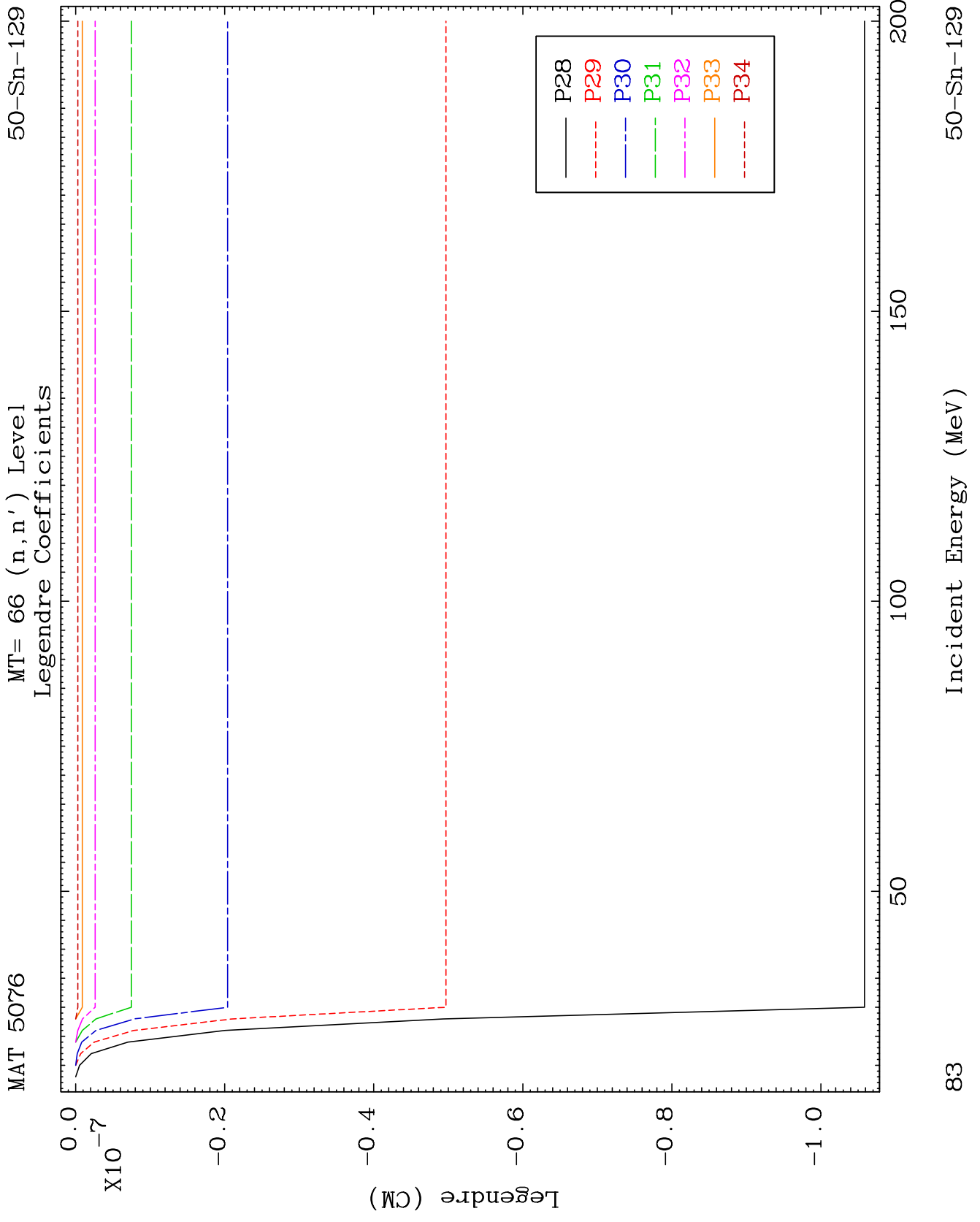
MT= 65 (n,n') Level
Legendre Coefficients

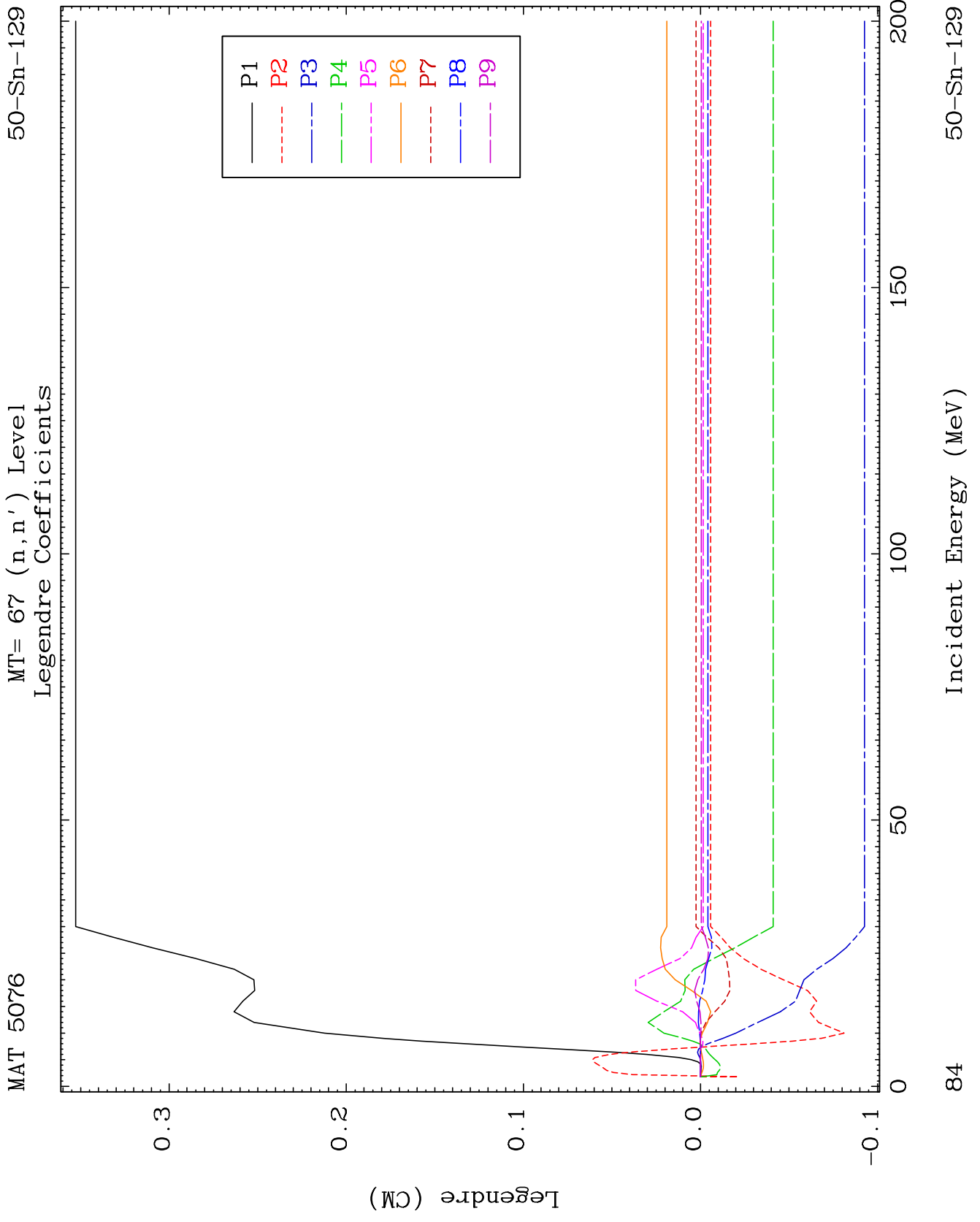
50-Sn-129







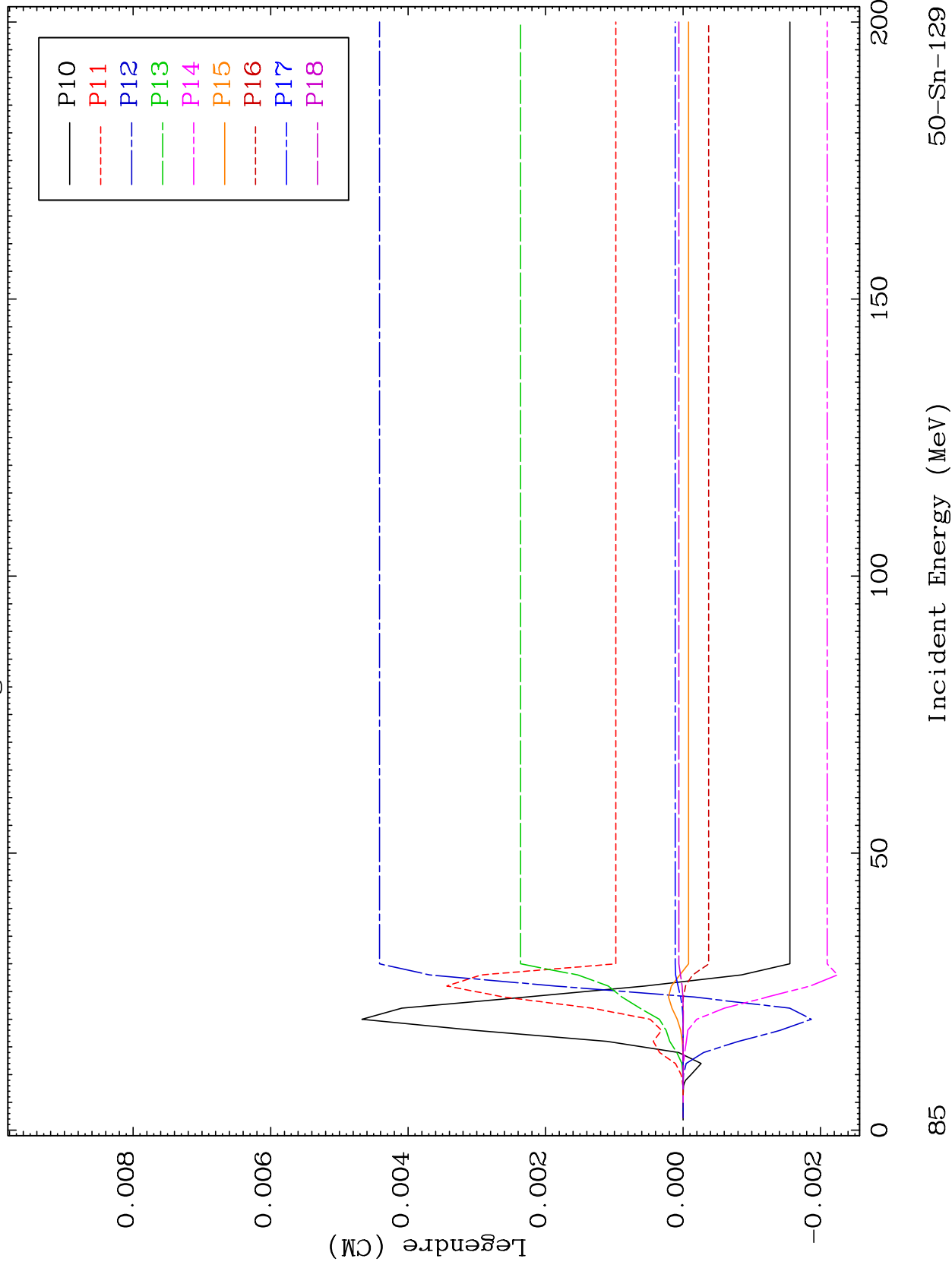




MAT 5076

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

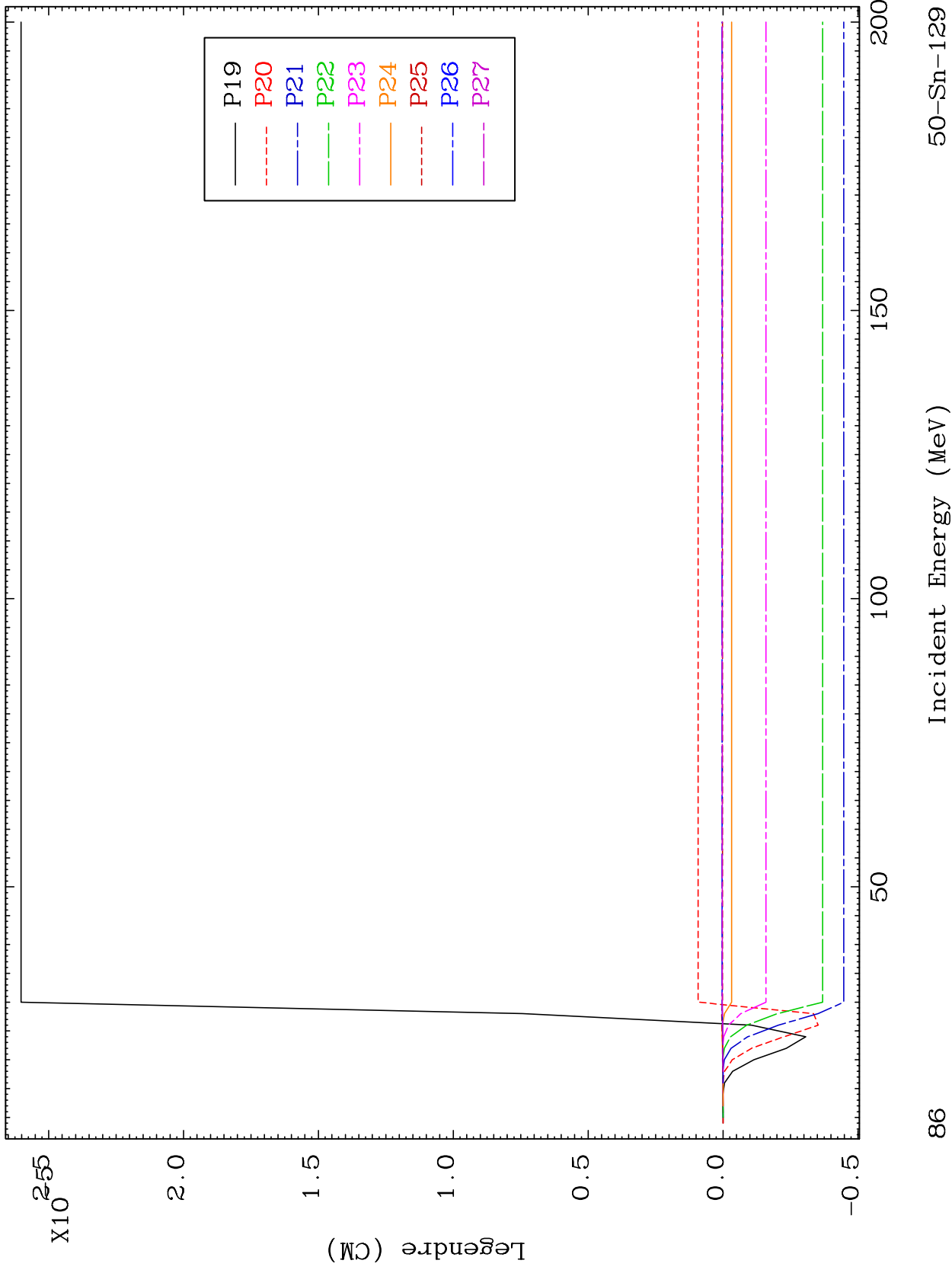
50-Sn-129

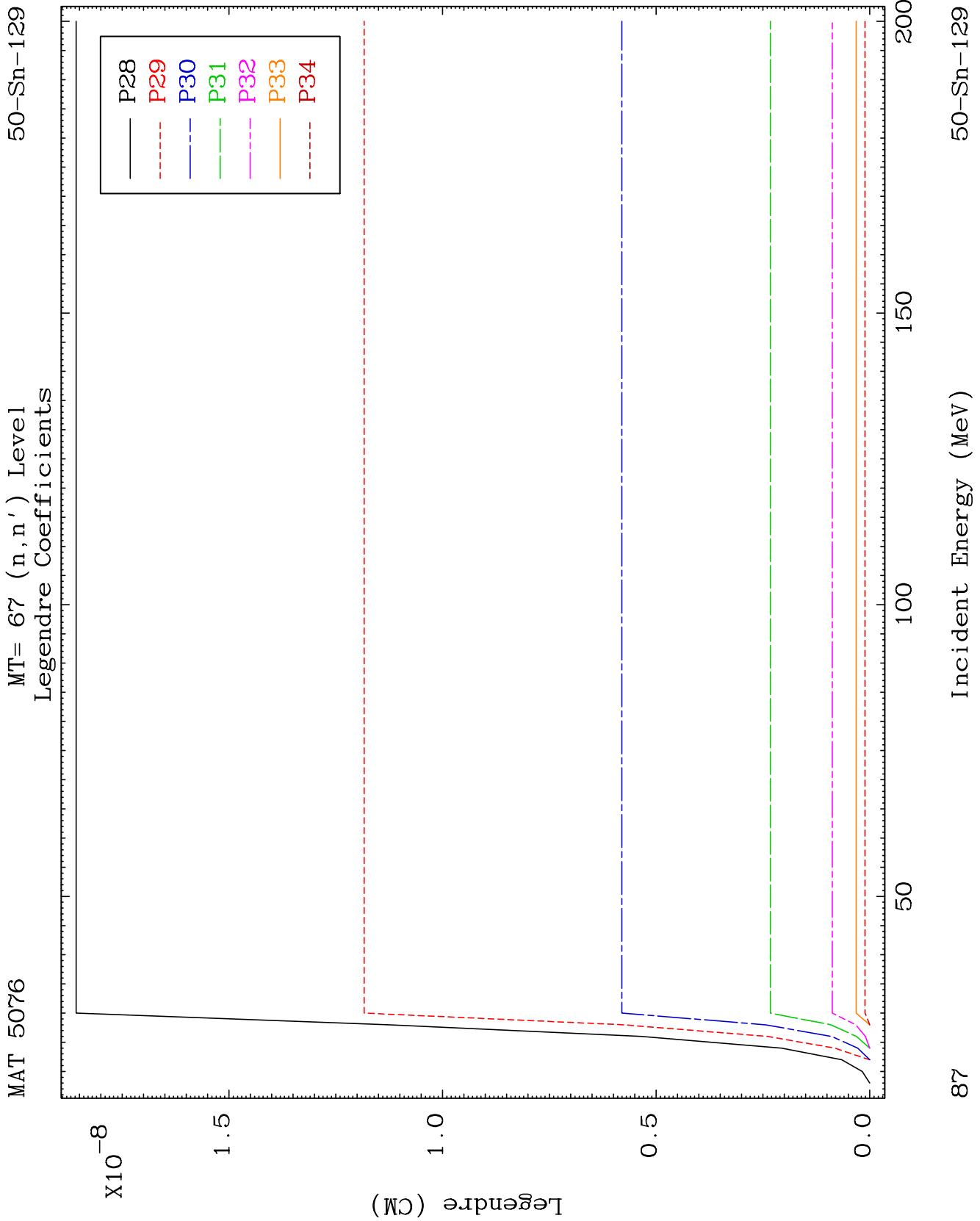


MAT 5076

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

50-Sn-129

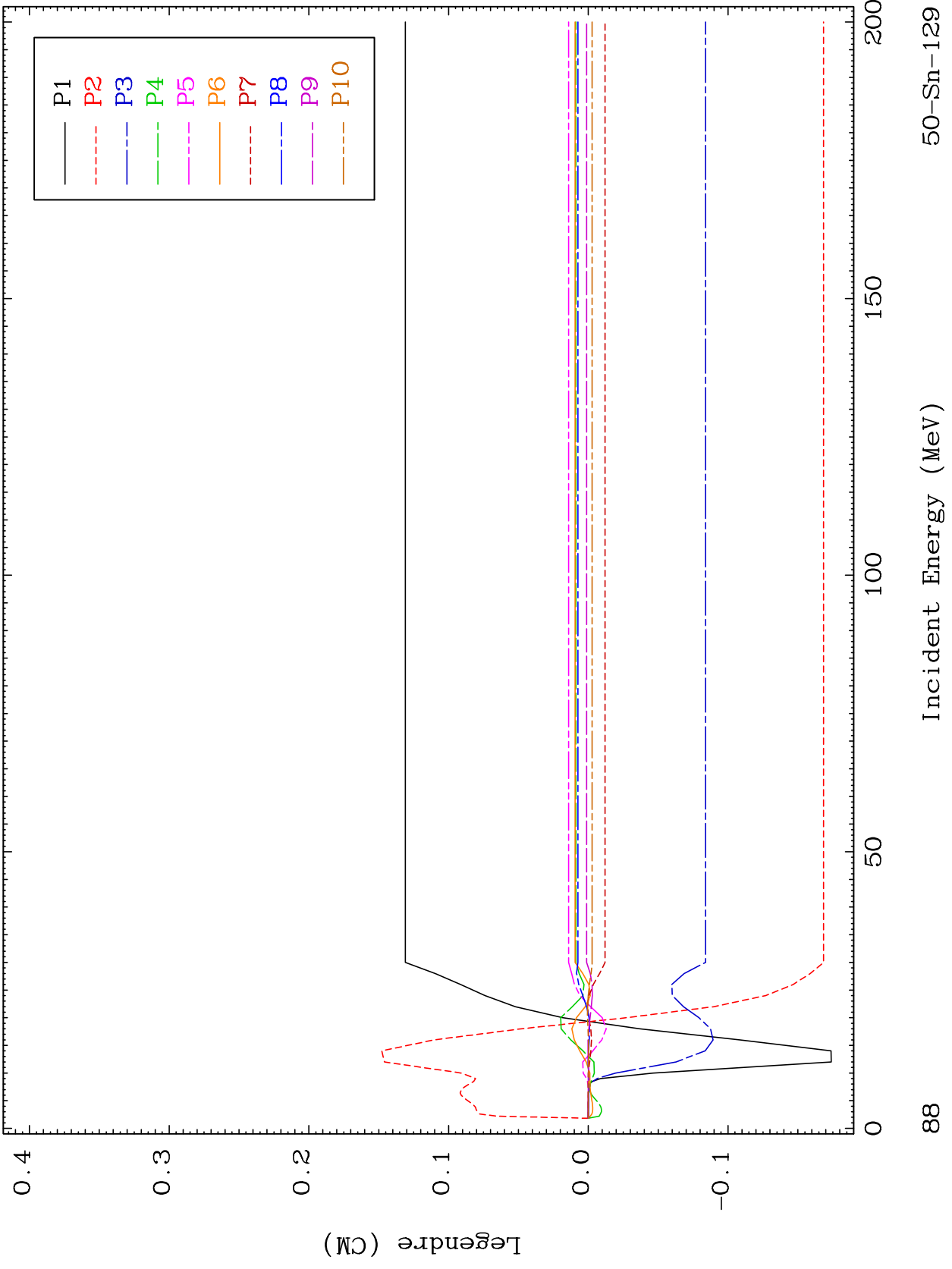




MAT 5076

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

50-Sn-129



88

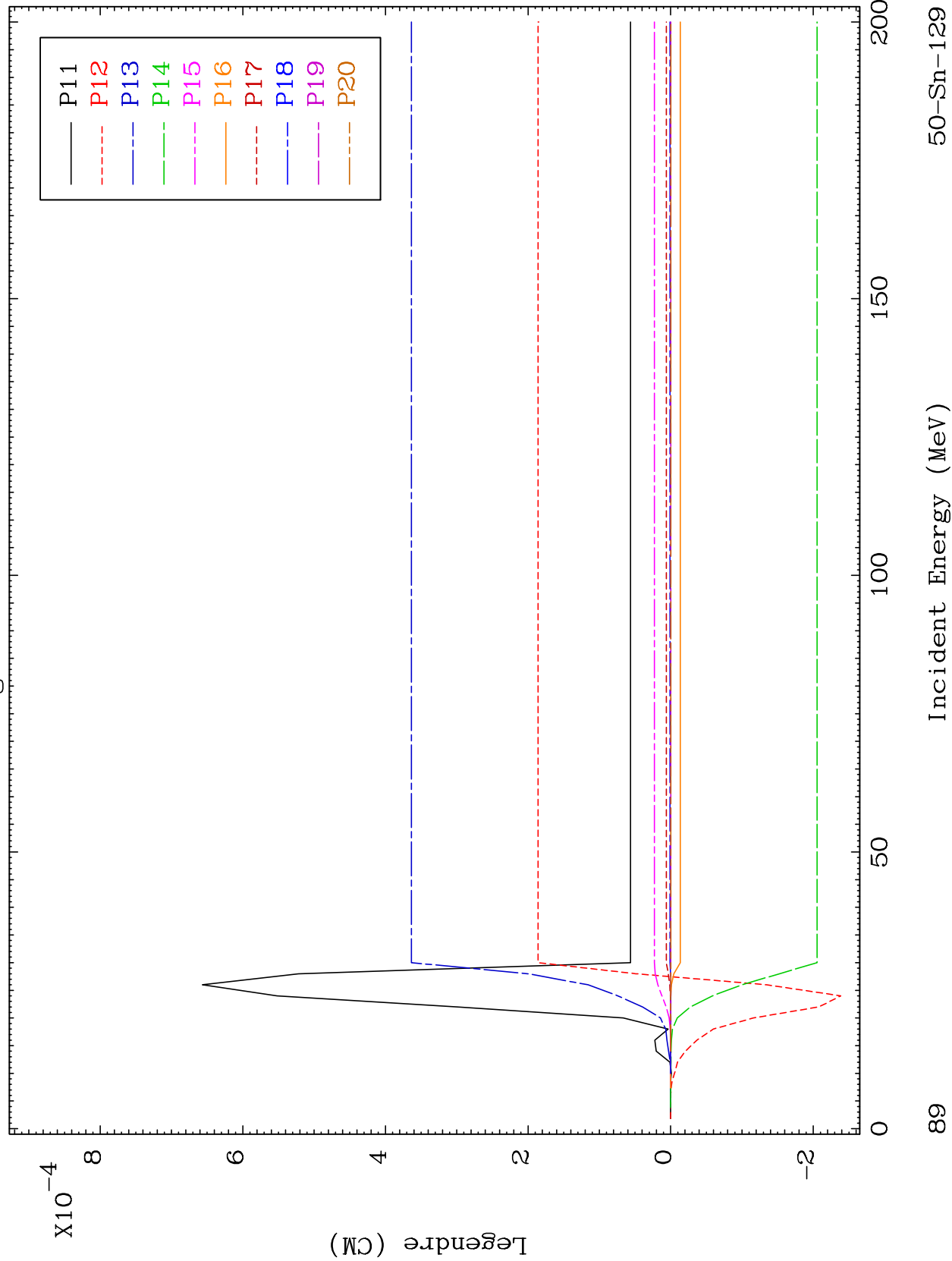
Incident Energy (MeV)

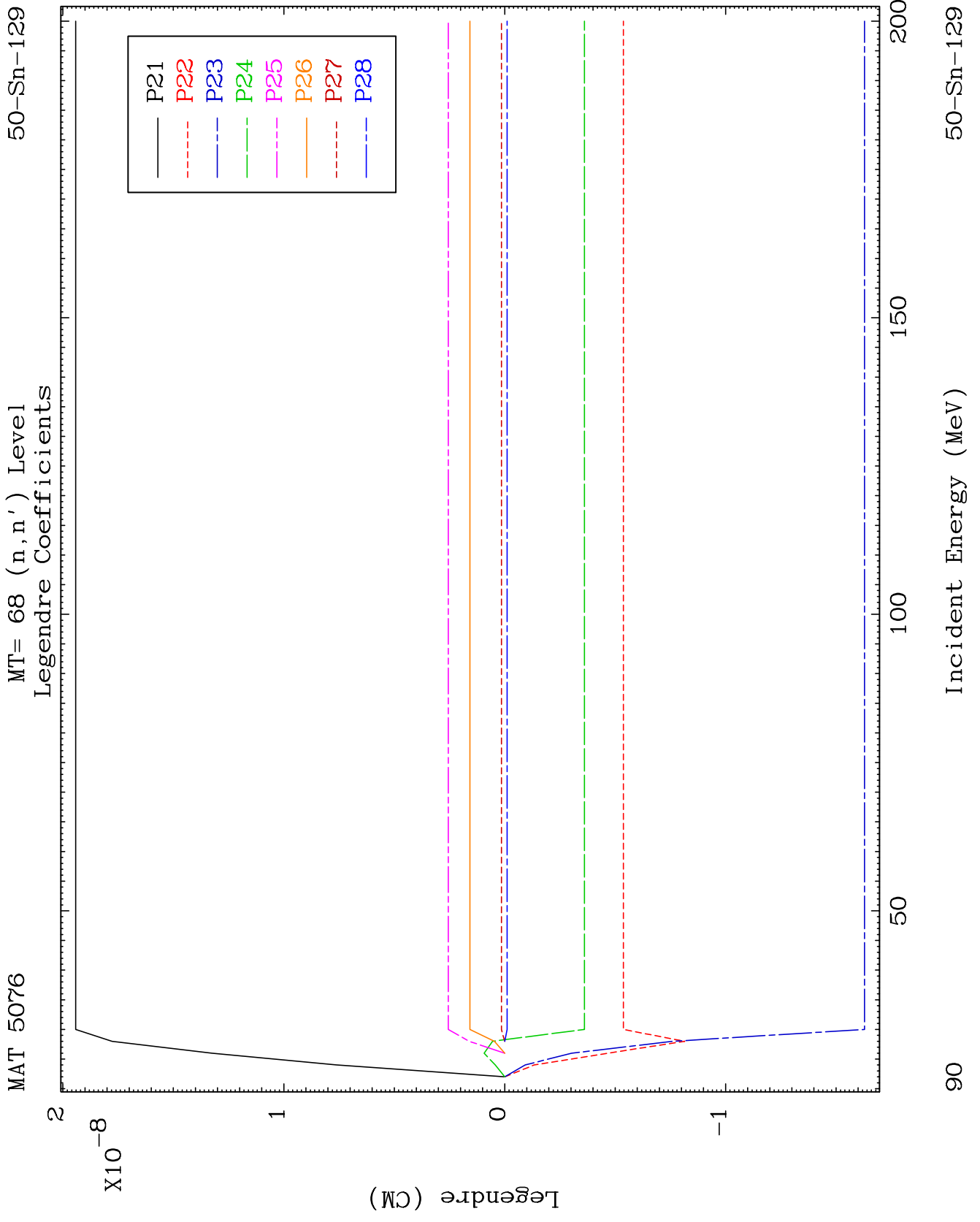
50-Sn-129

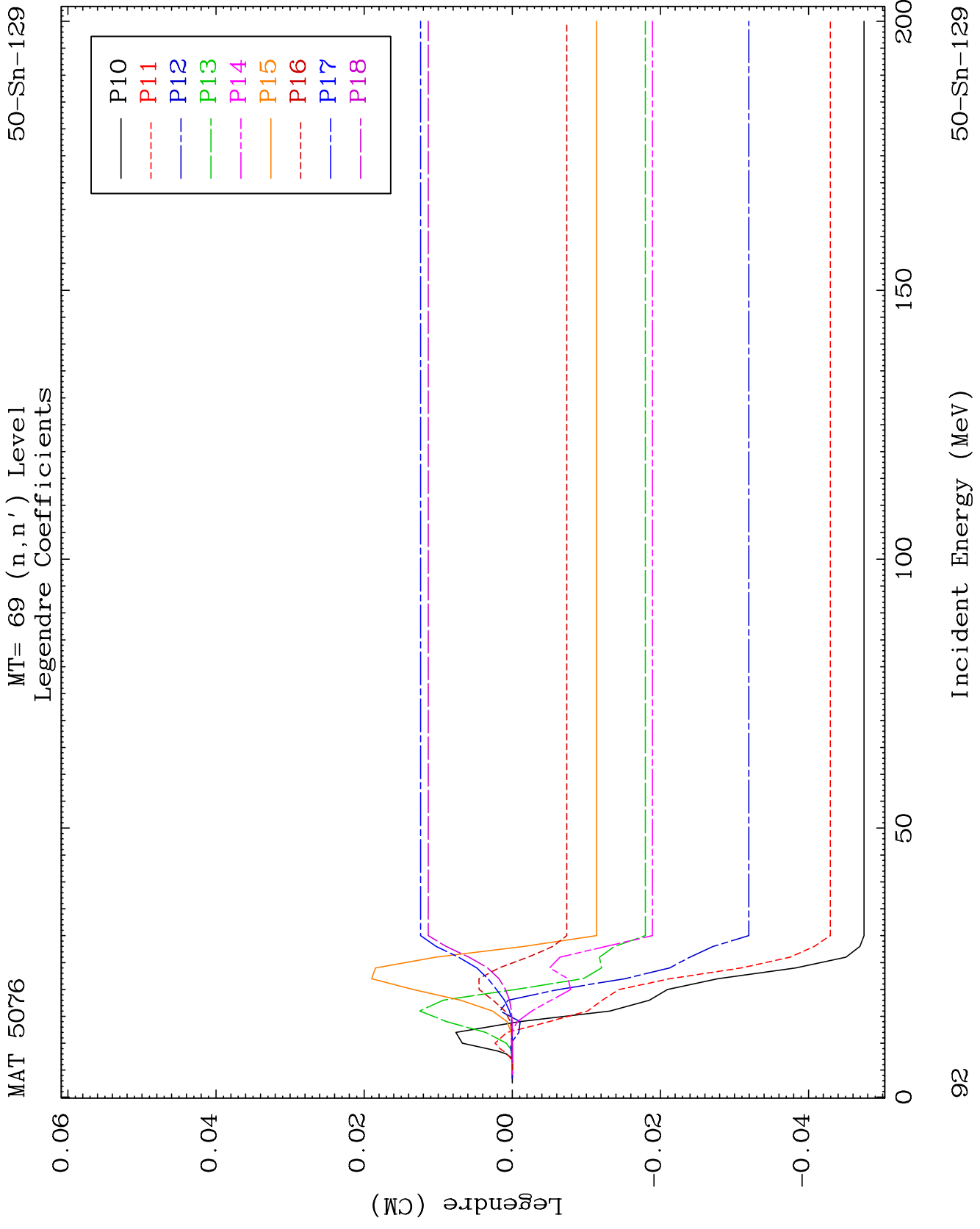
MAT 5076

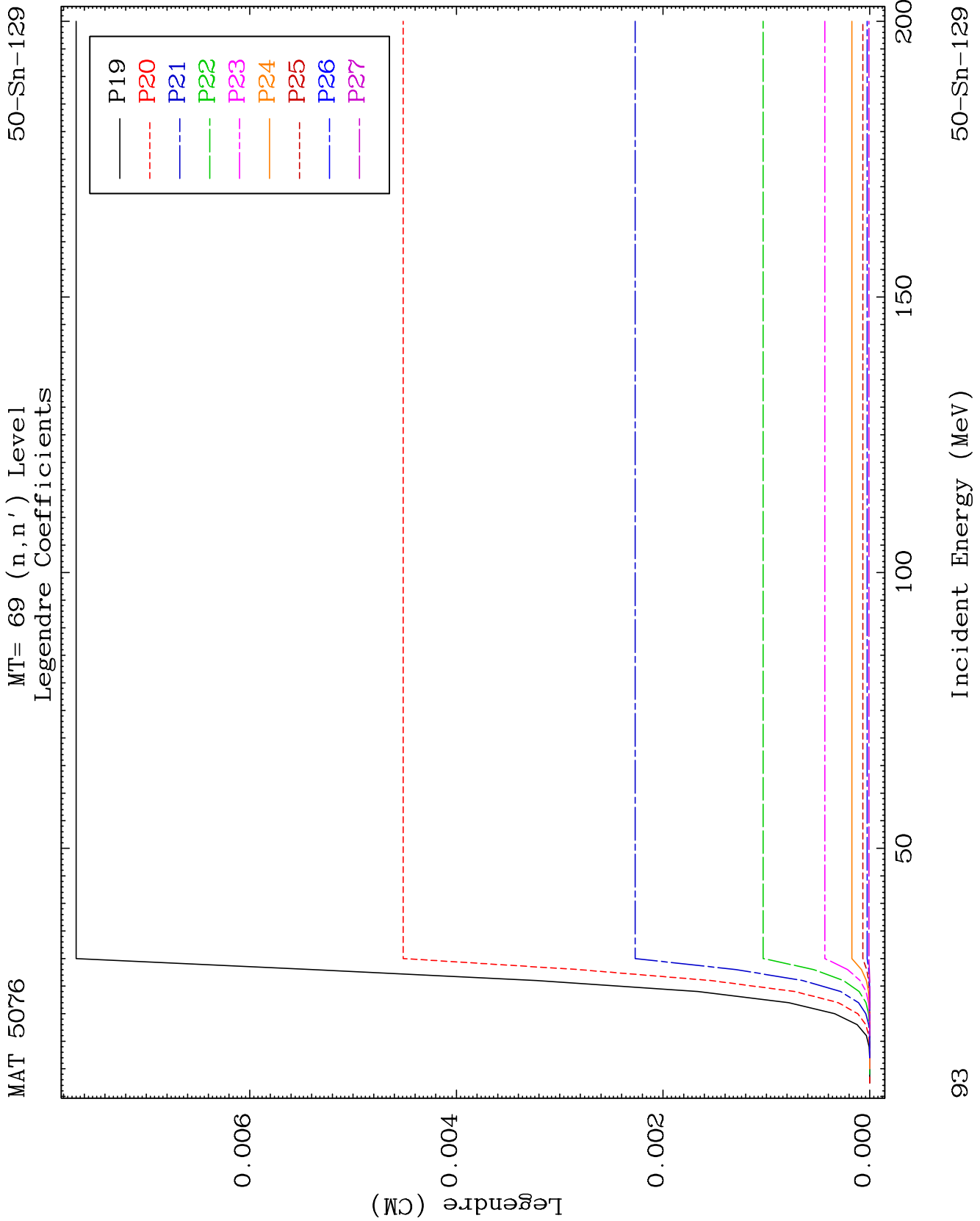
MT= 68 (n,n') Level
Legendre Coefficients

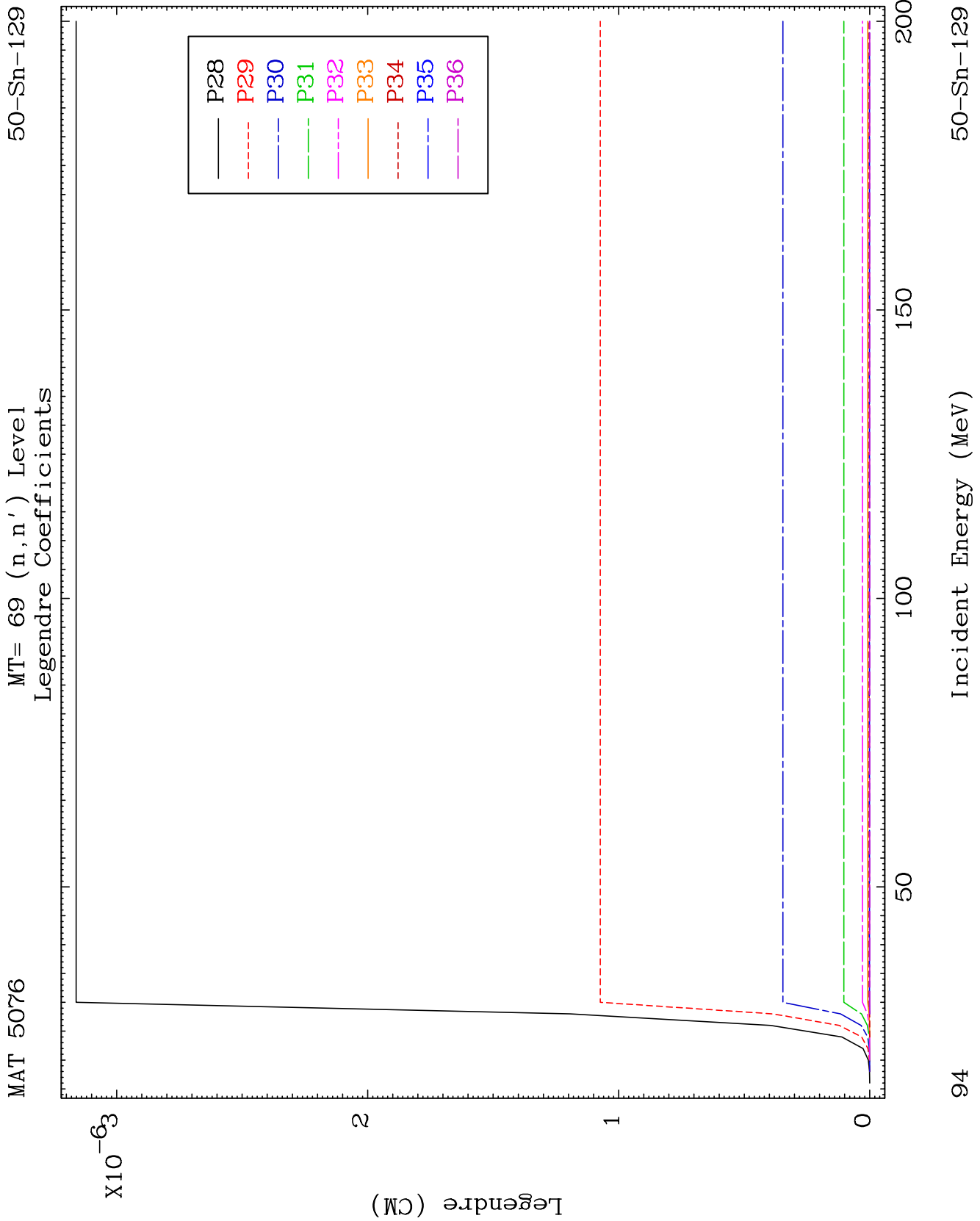
50-Sn-129

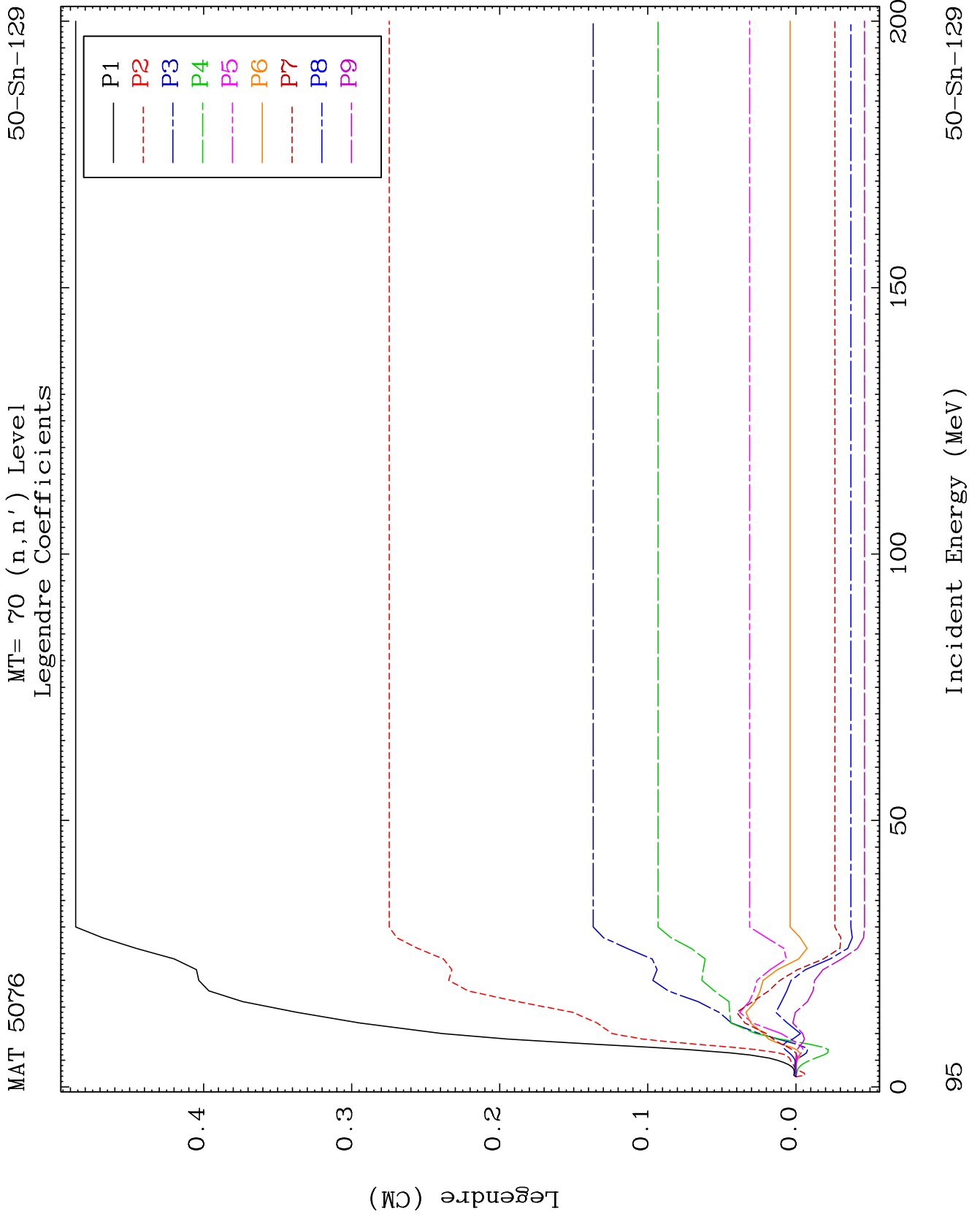


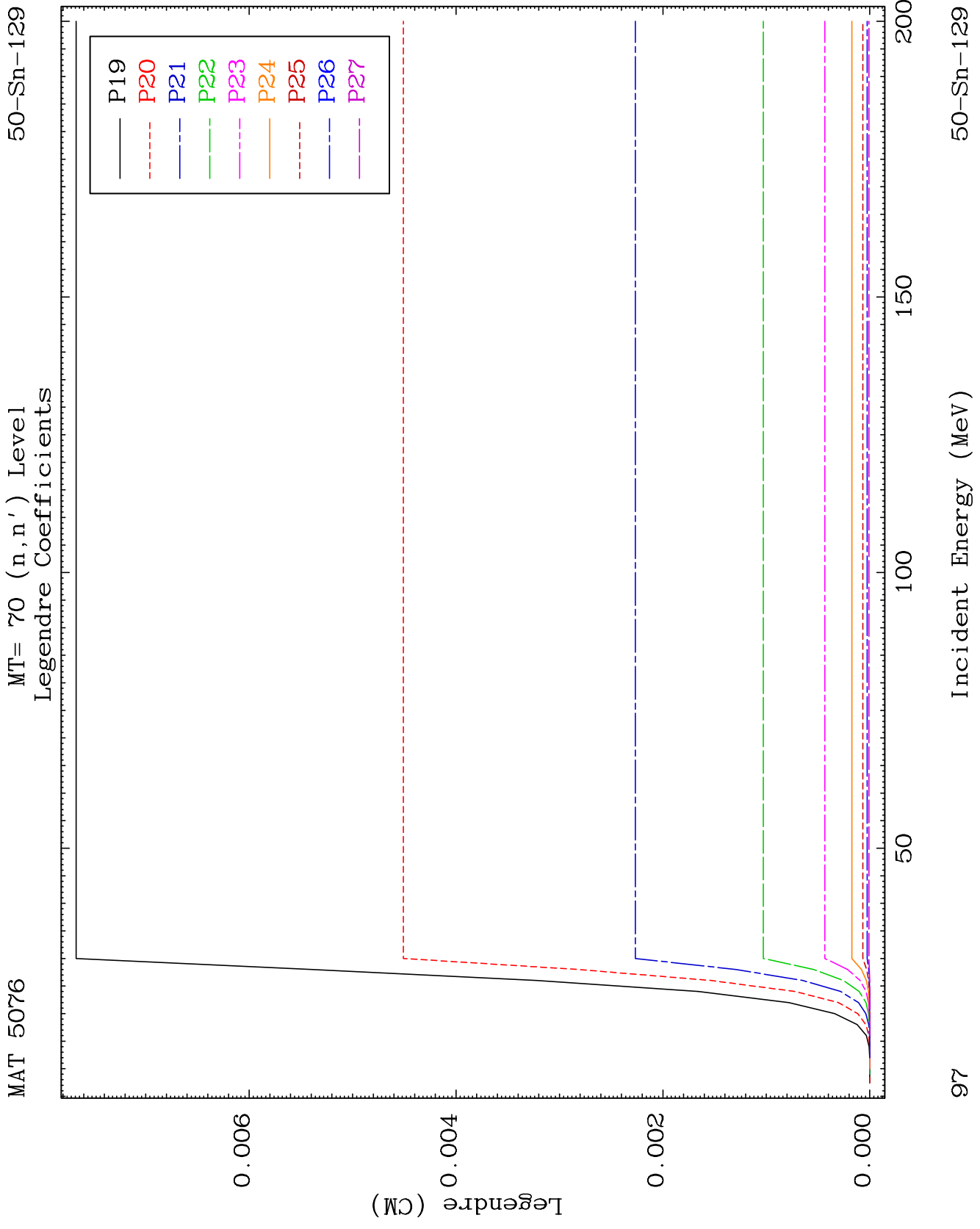


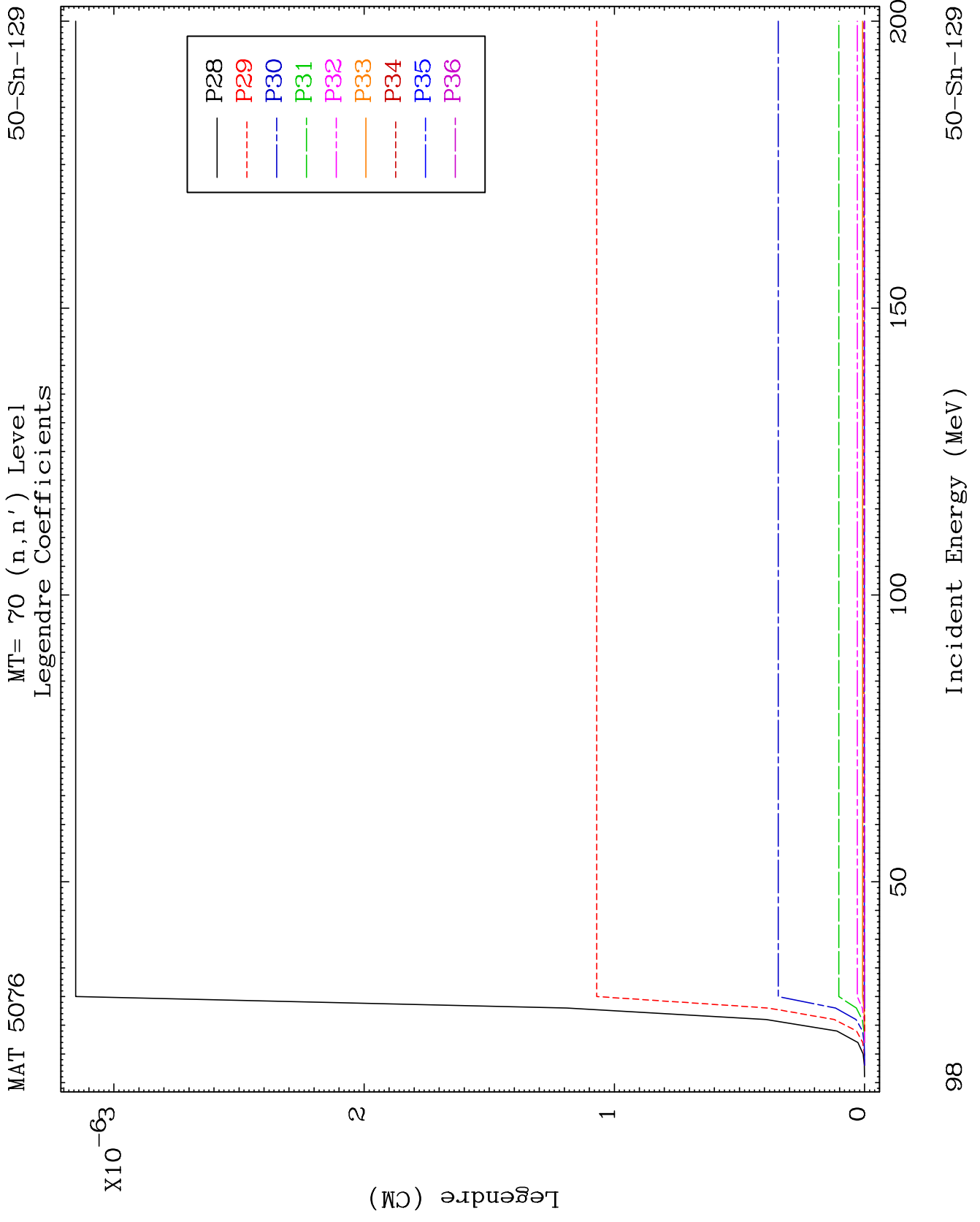


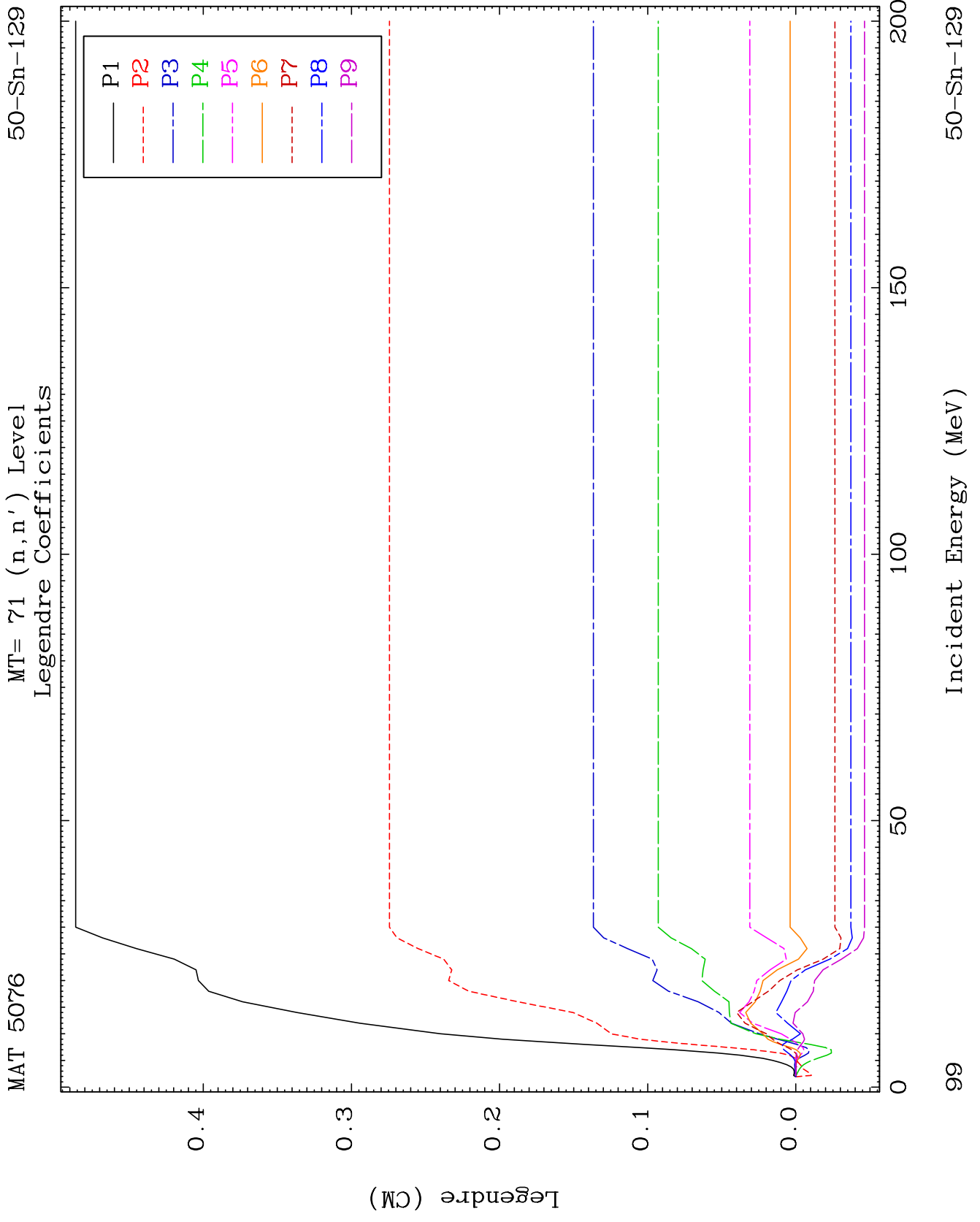


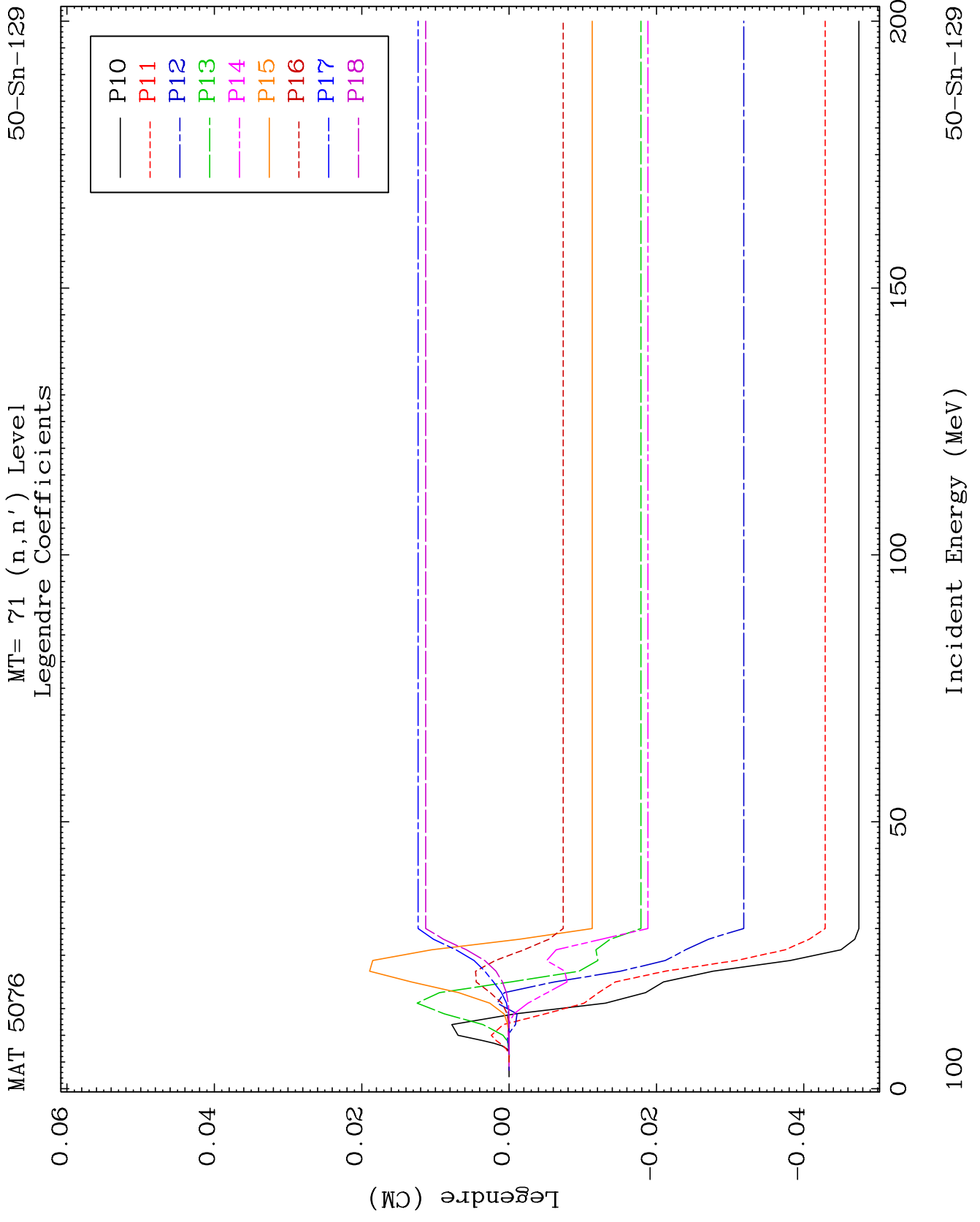


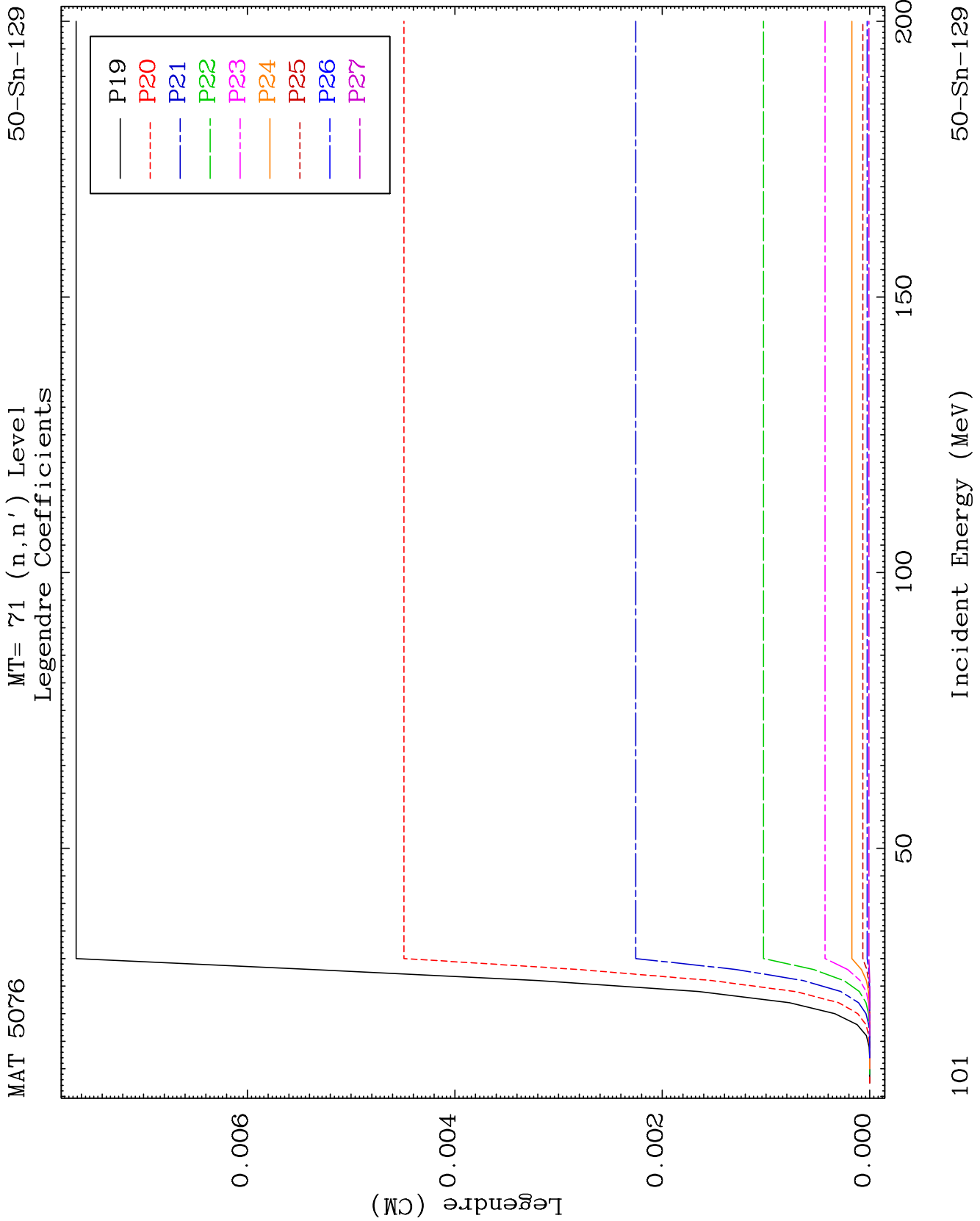








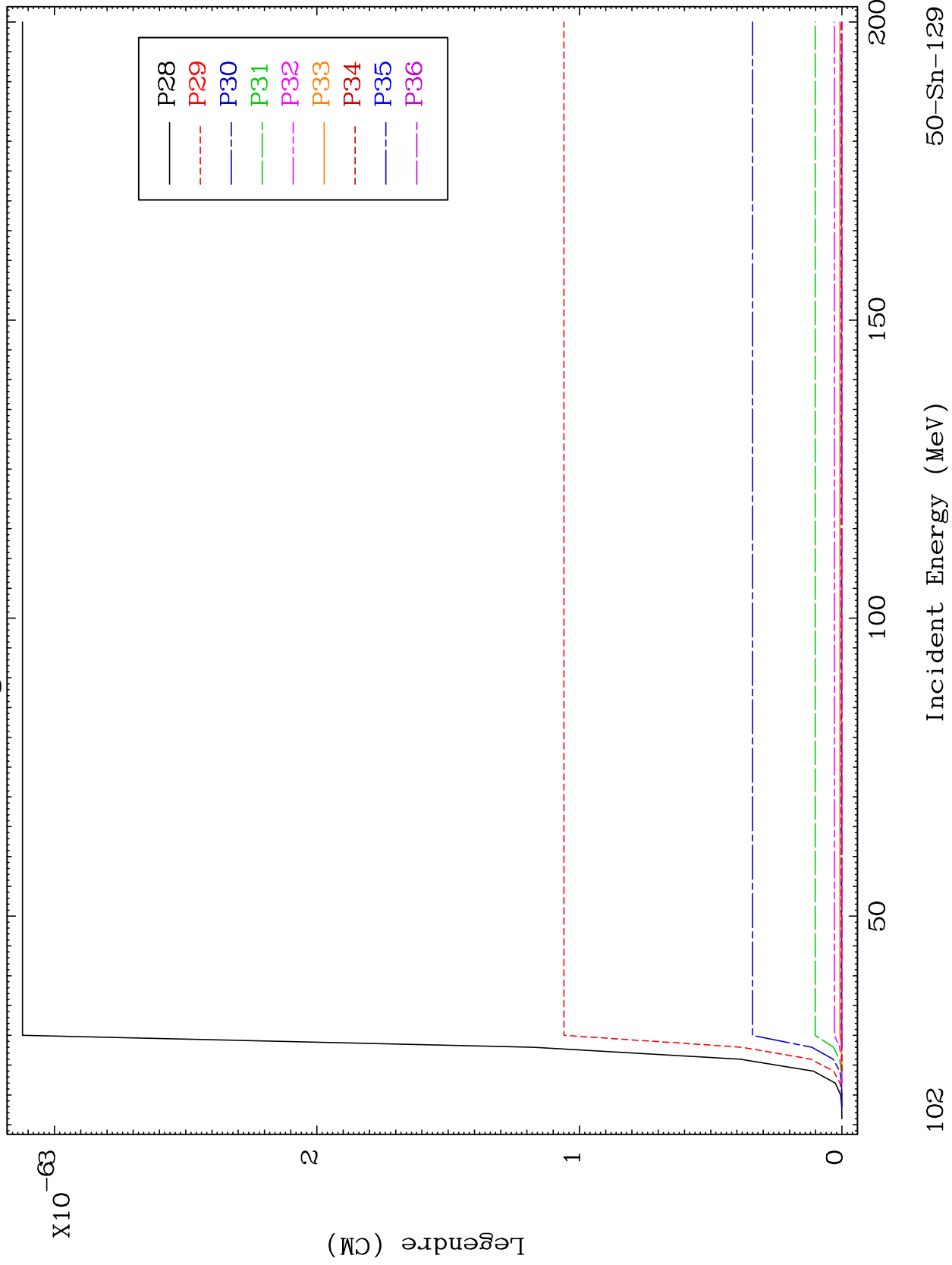




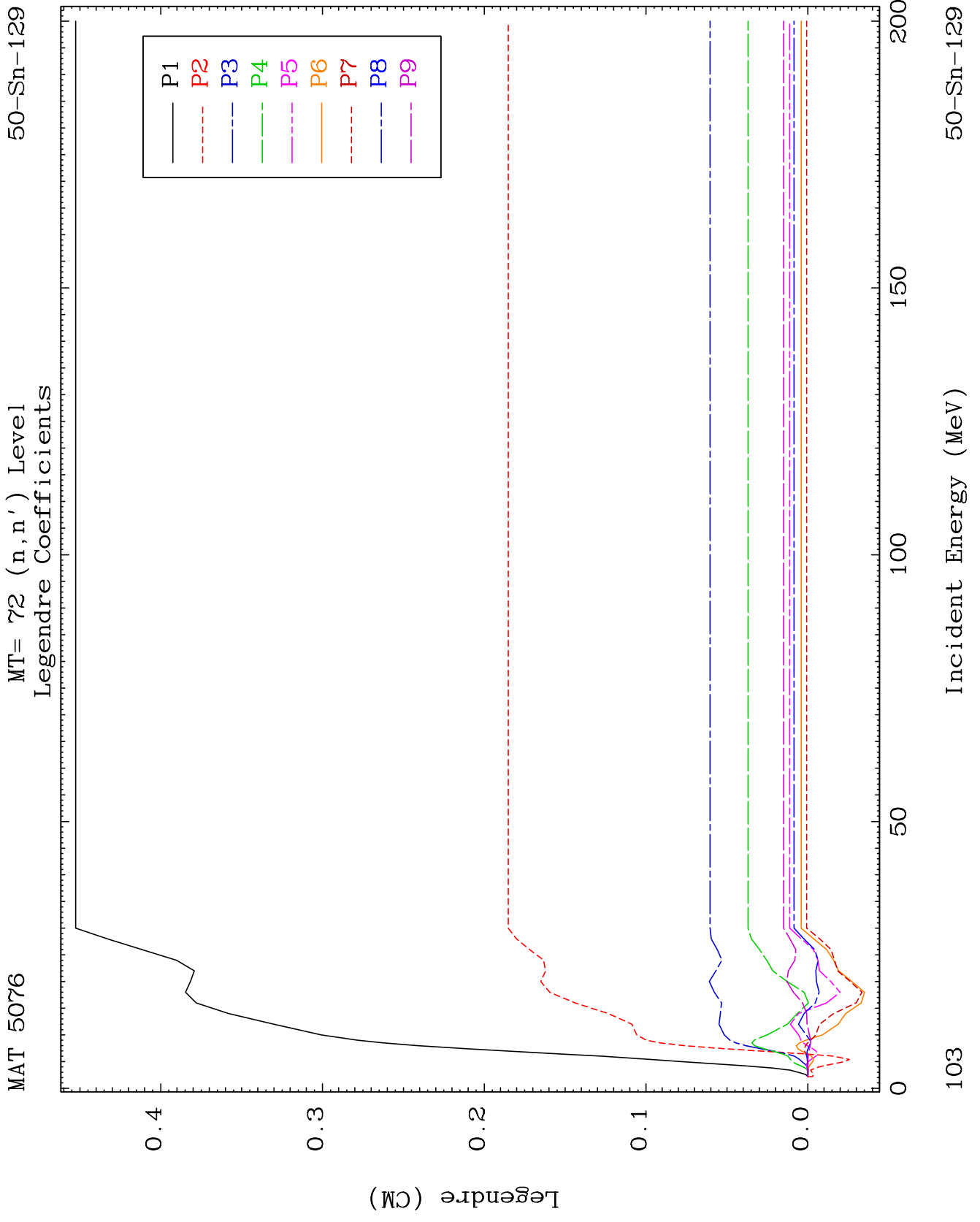
MAT 5076

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

50-Sn-129



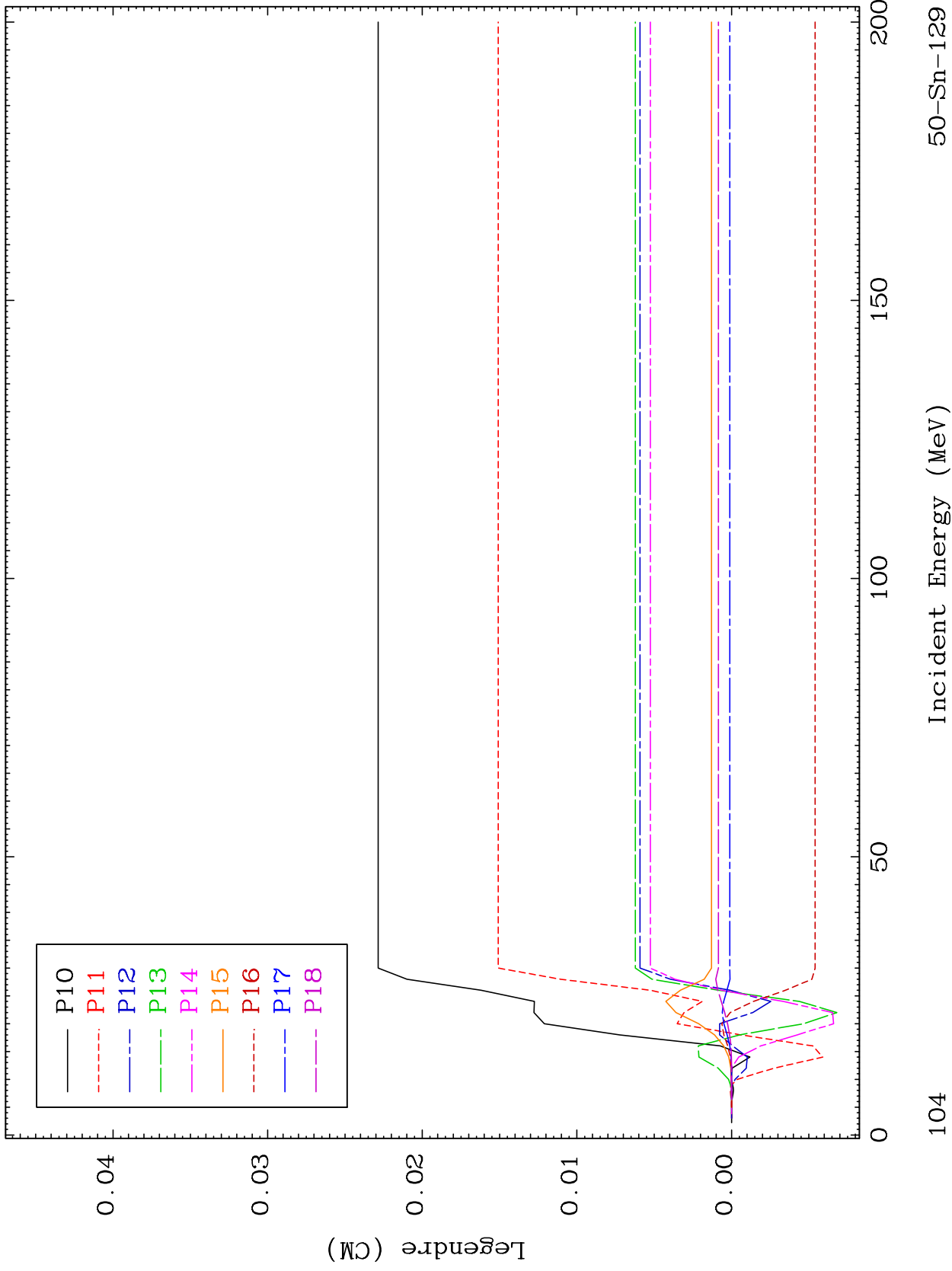
102



MAT 5076

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

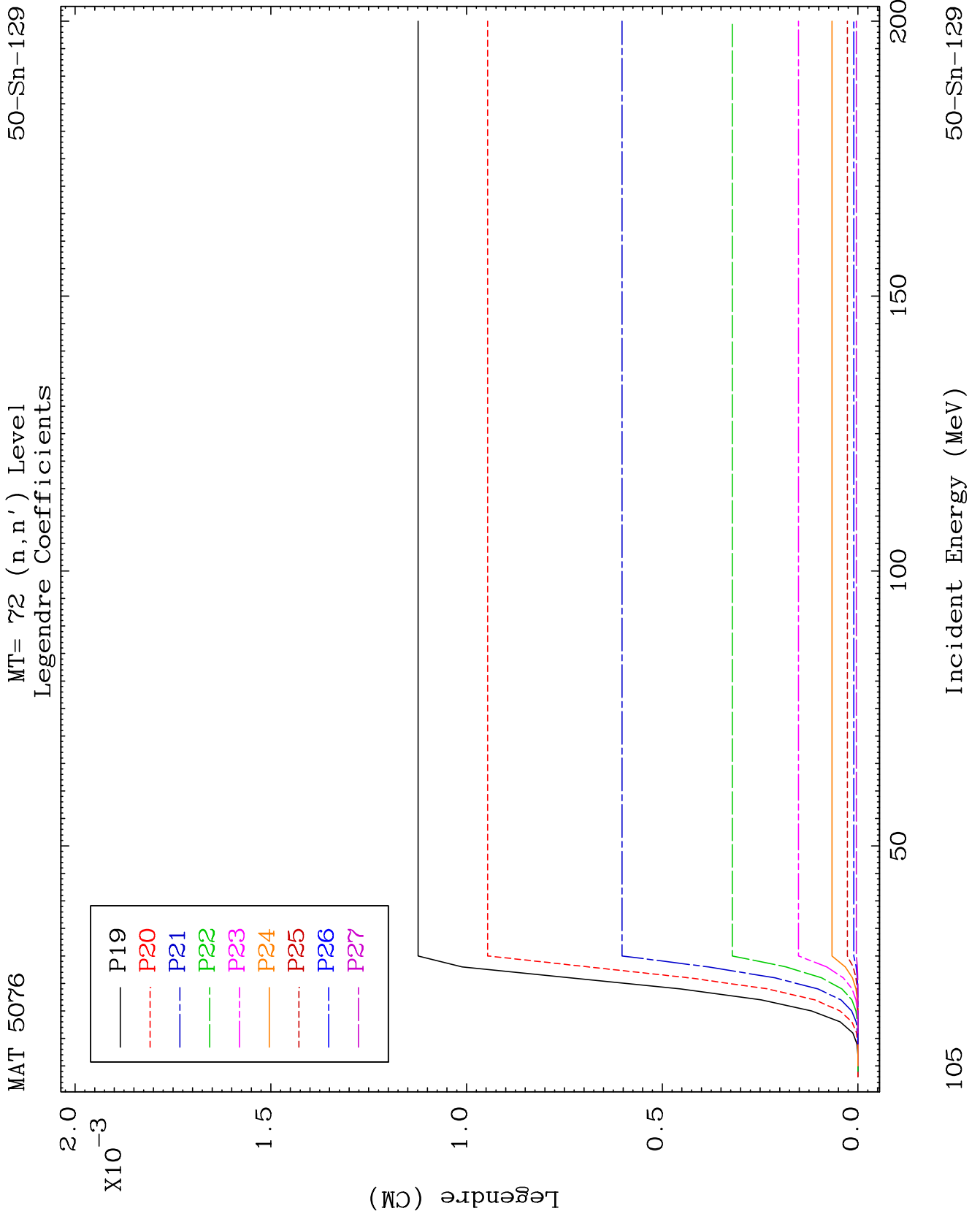
50-Sn-129

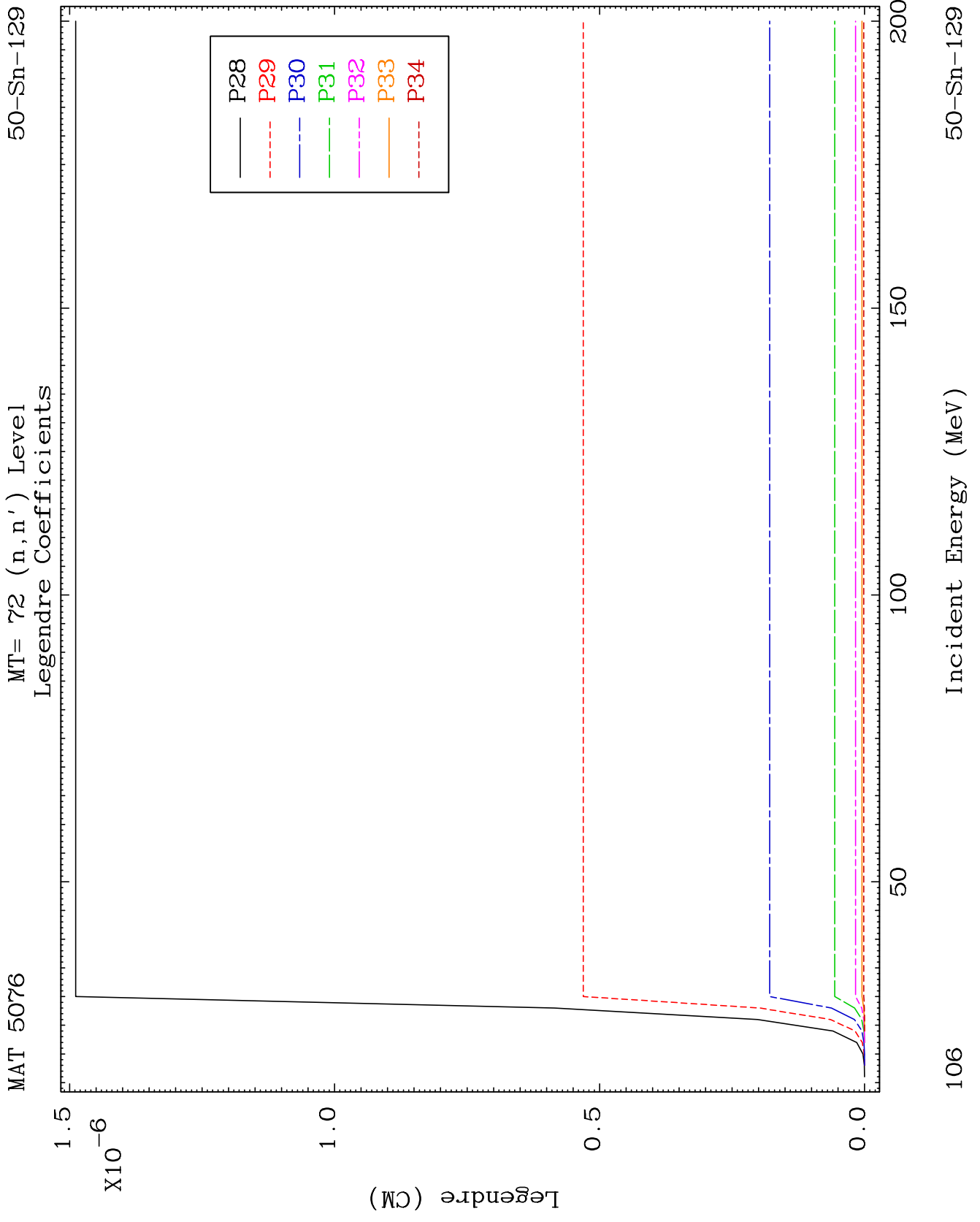


104

Incident Energy (MeV)

50-Sn-129

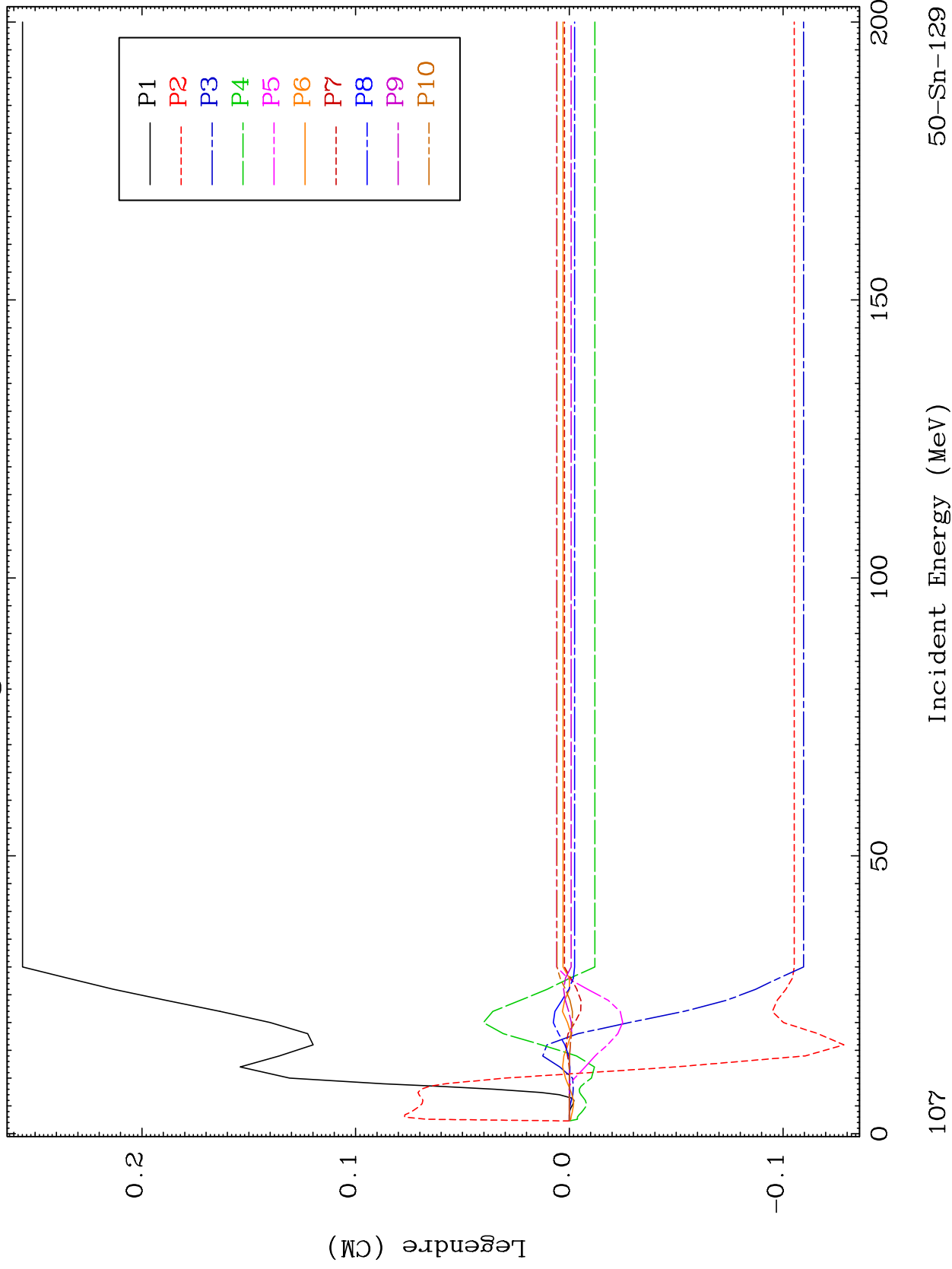




MAT 5076

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

50-Sn-129

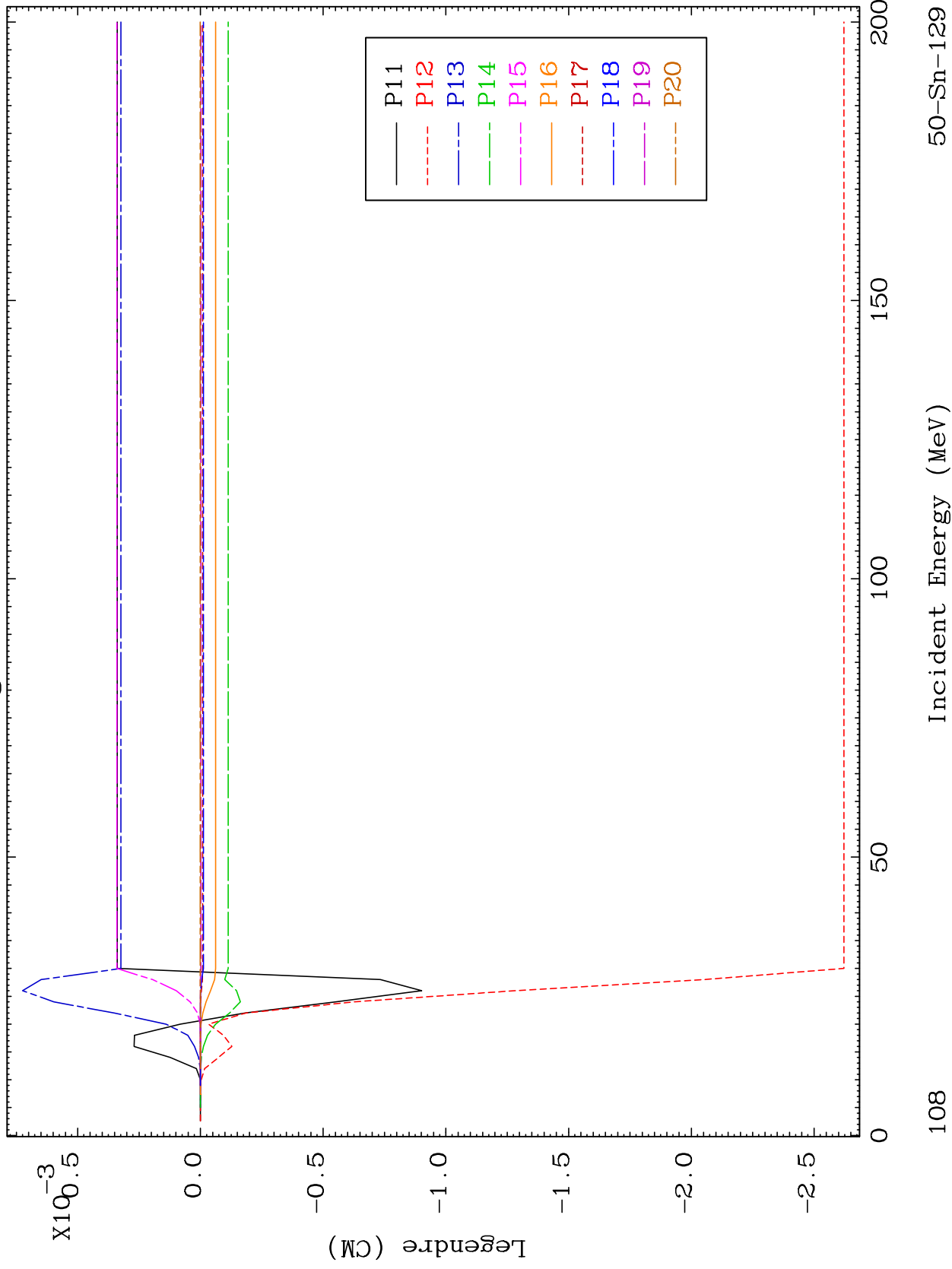


107

MAT 5076

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

50-Sn-129



108

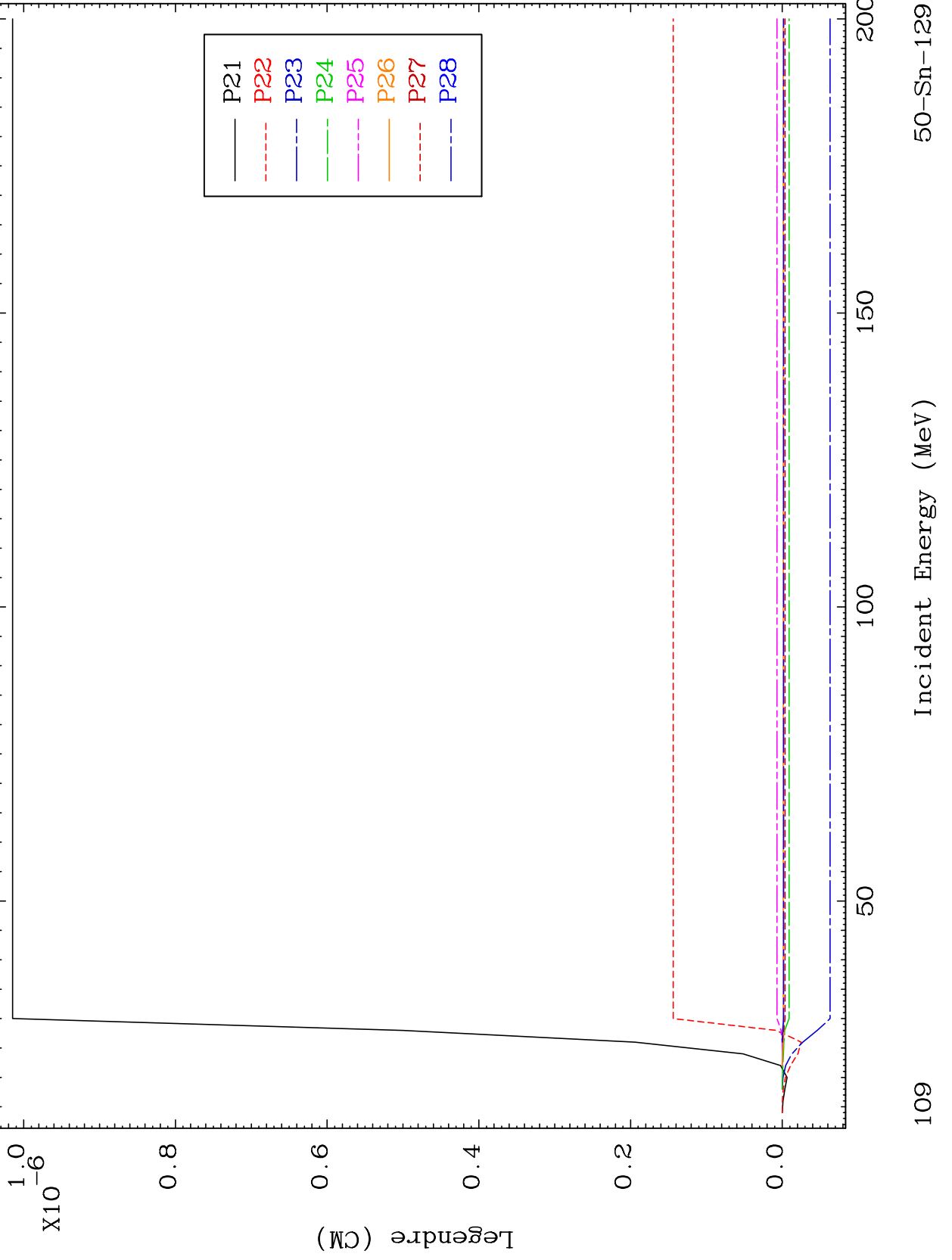
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

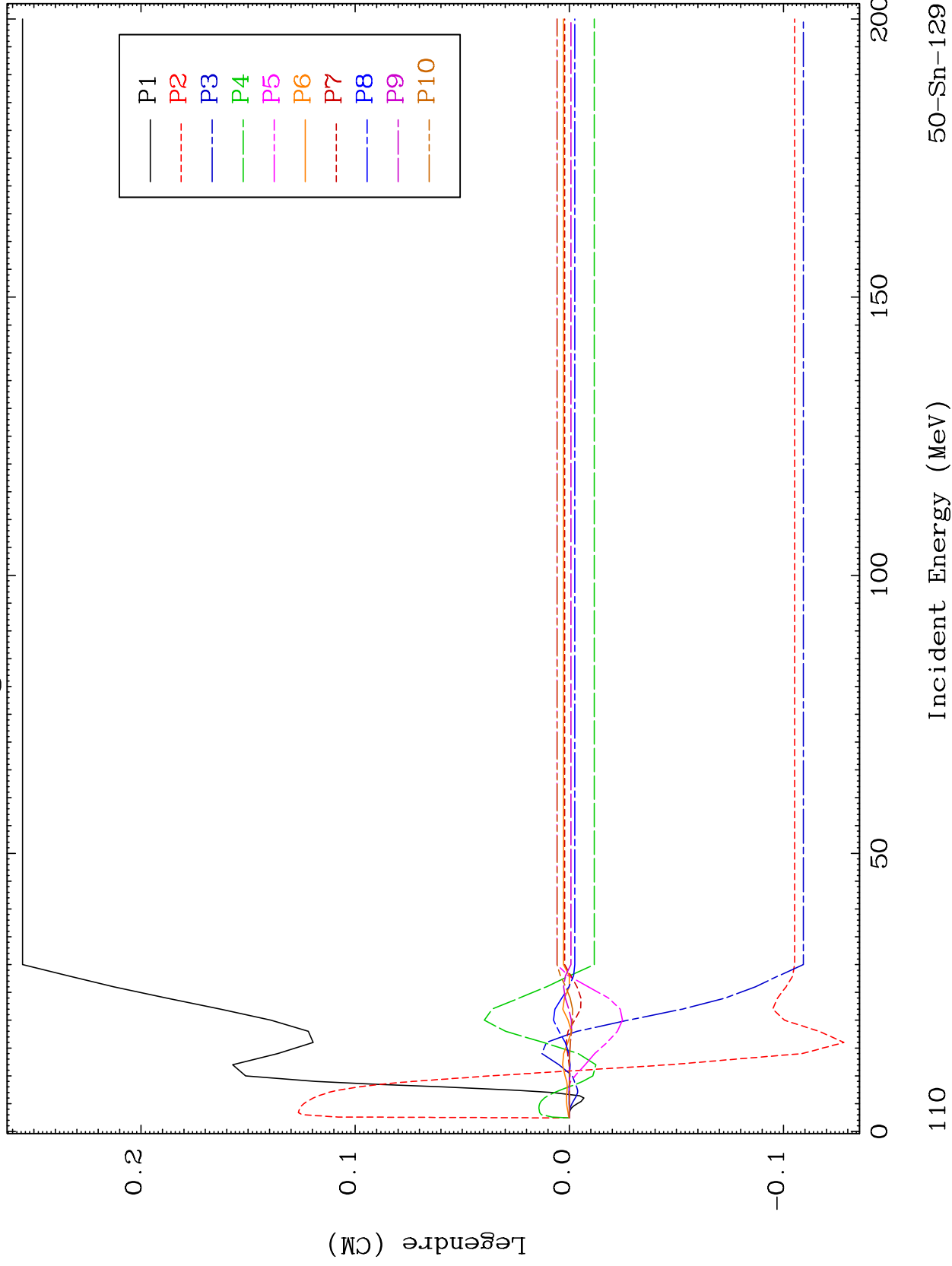
50-Sn-129



MAT 5076

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

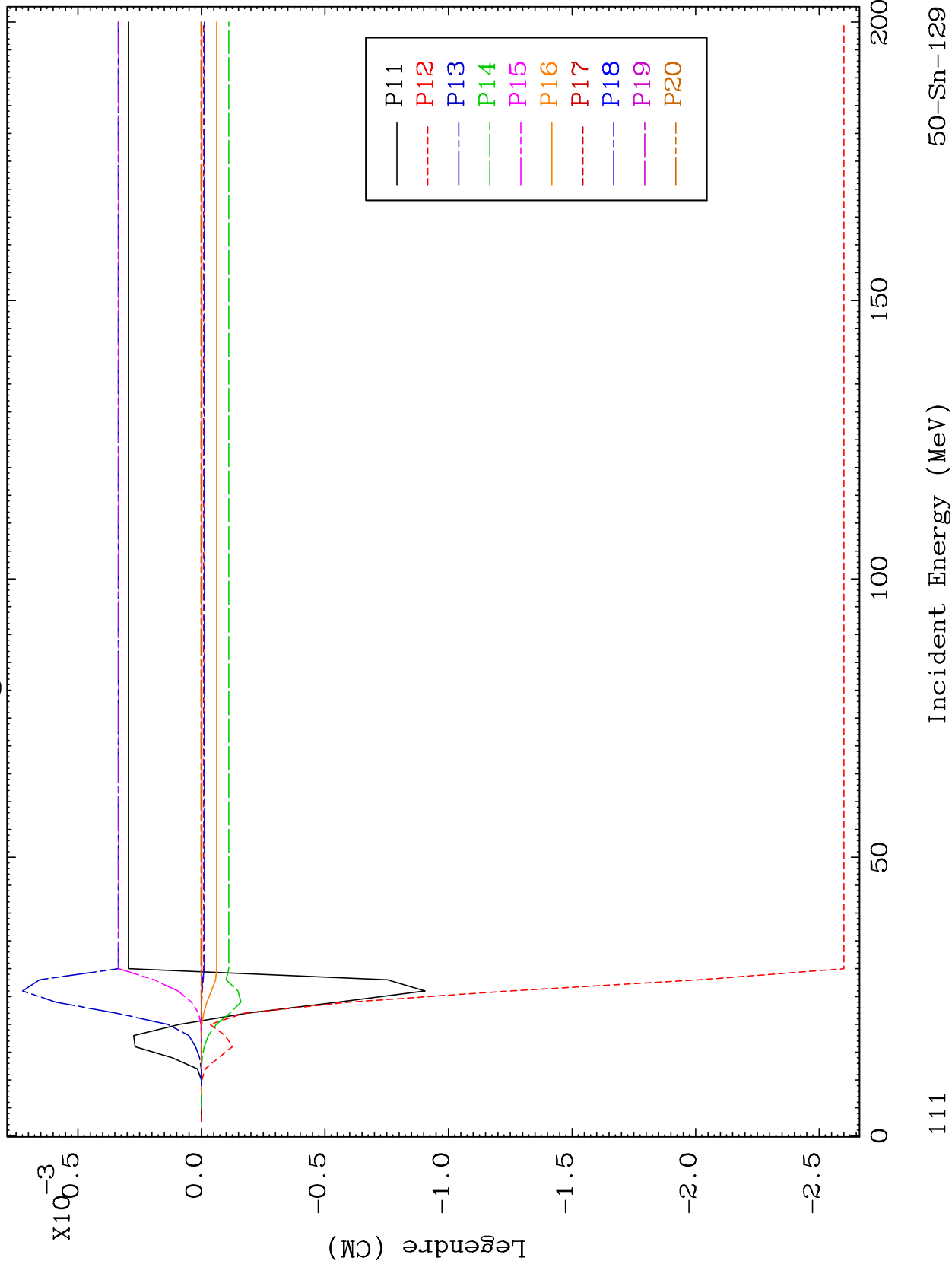
50-Sn-129



MAT 5076

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

50-Sn-129



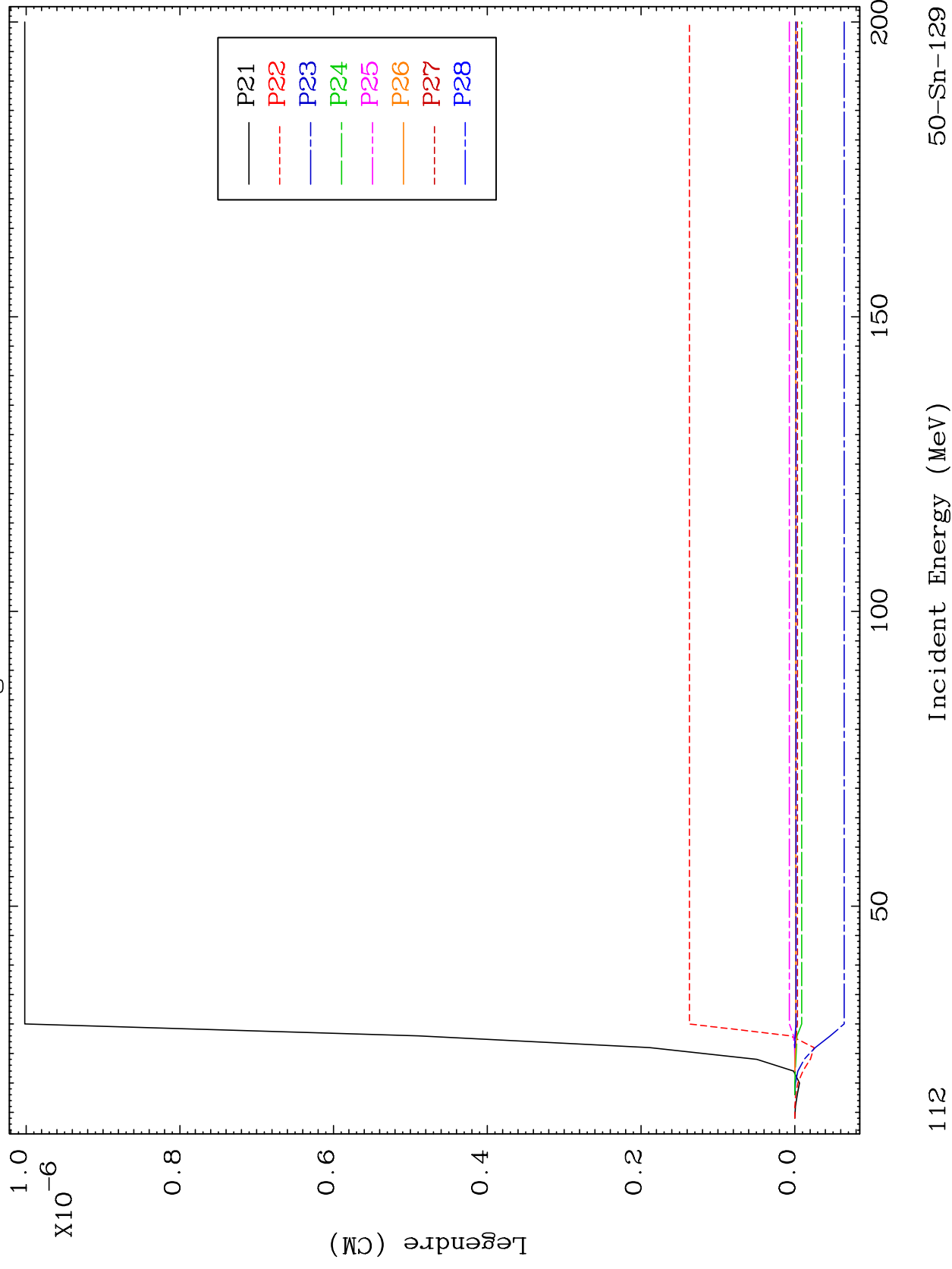
111

50-Sn-129

MAT 5076

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

50-Sn-129



112

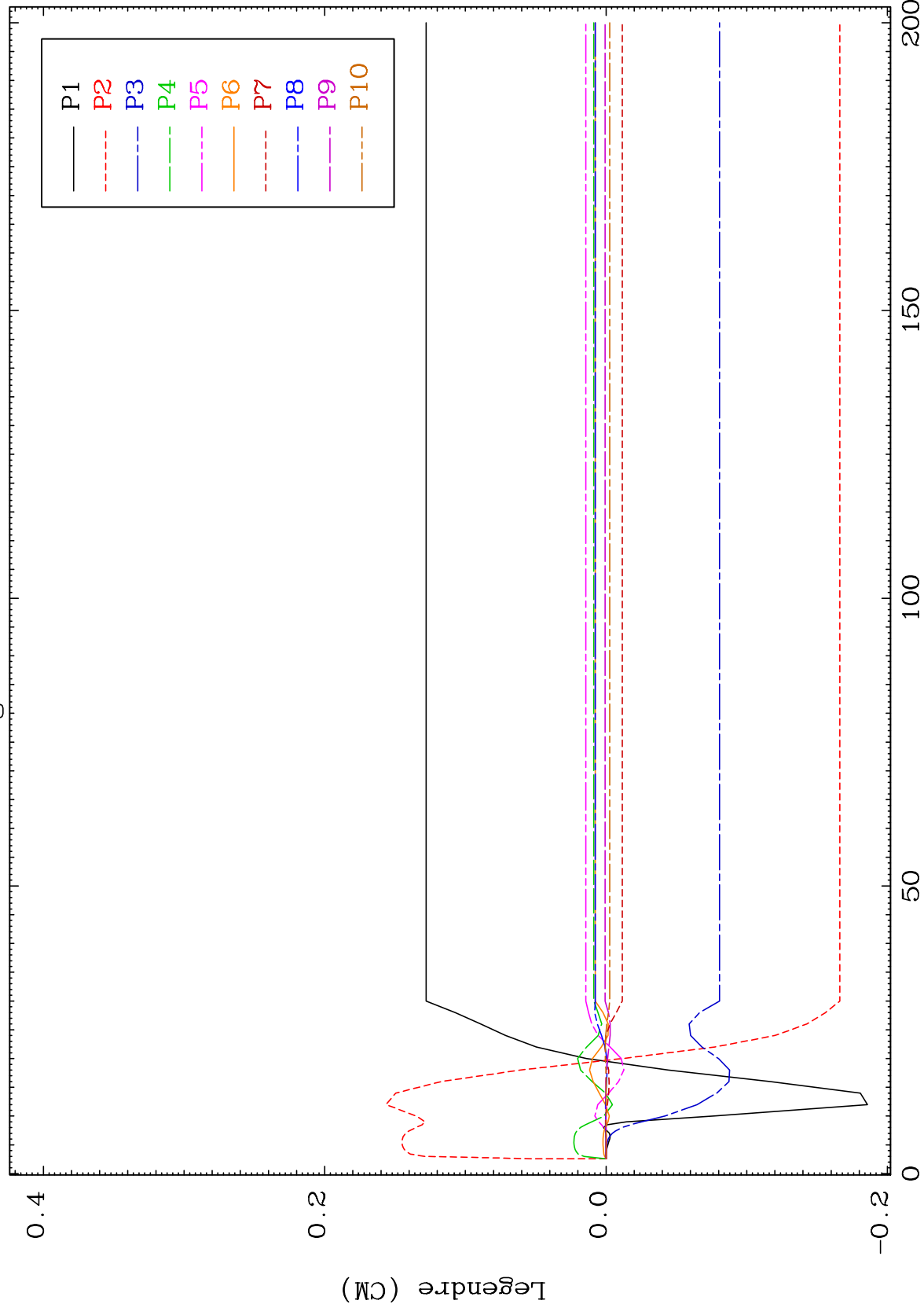
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

50-Sn-129



113

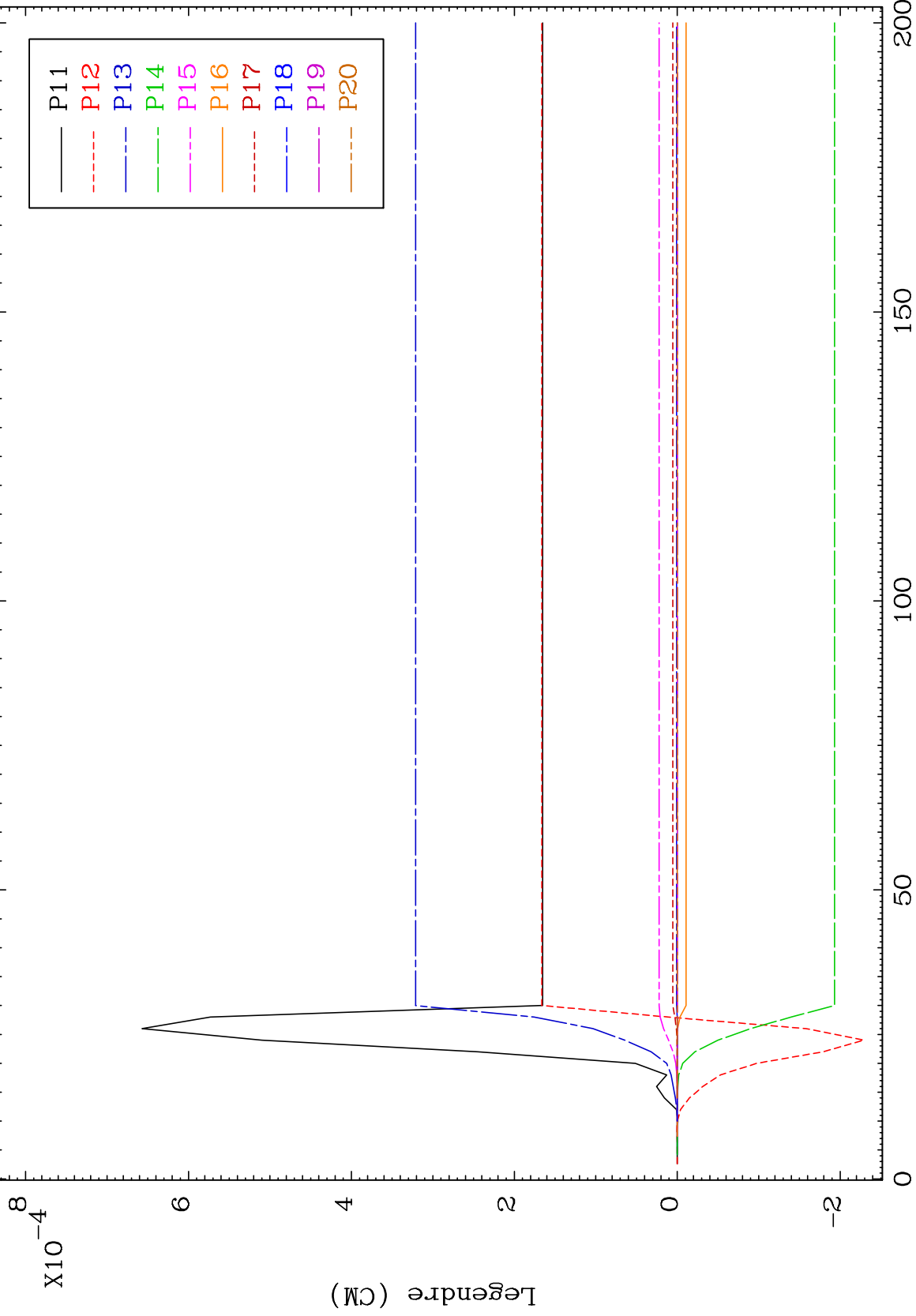
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

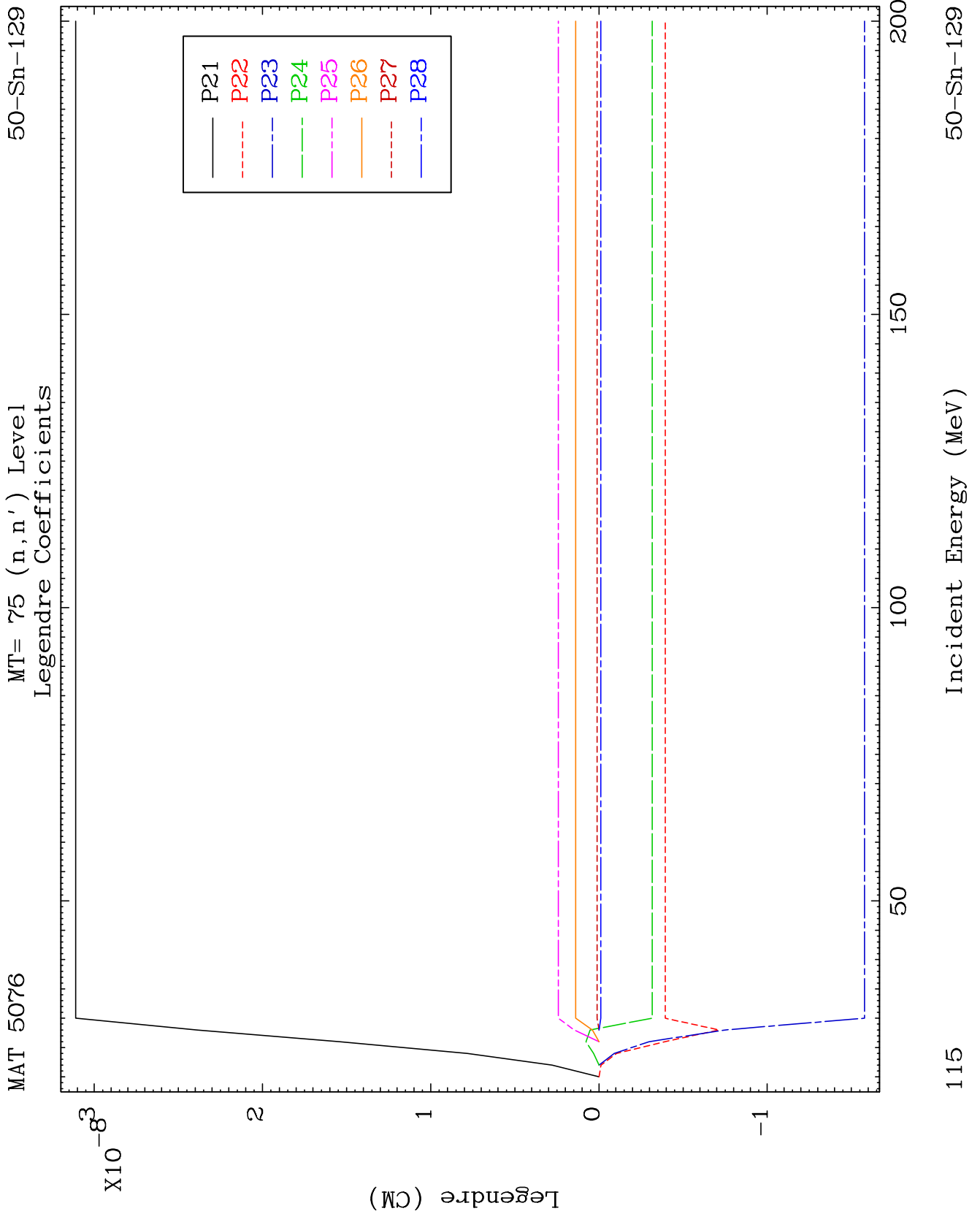
50-Sn-129

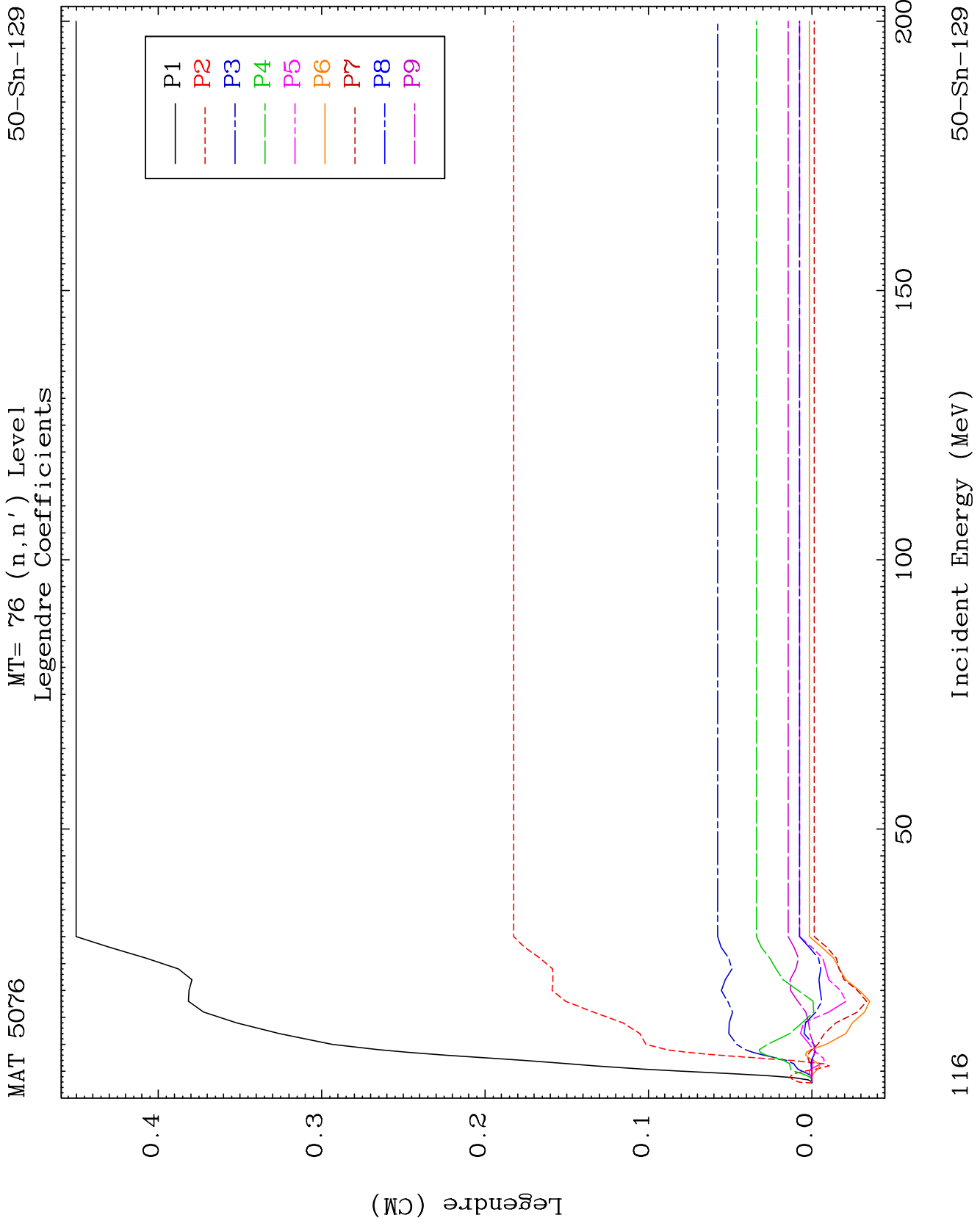


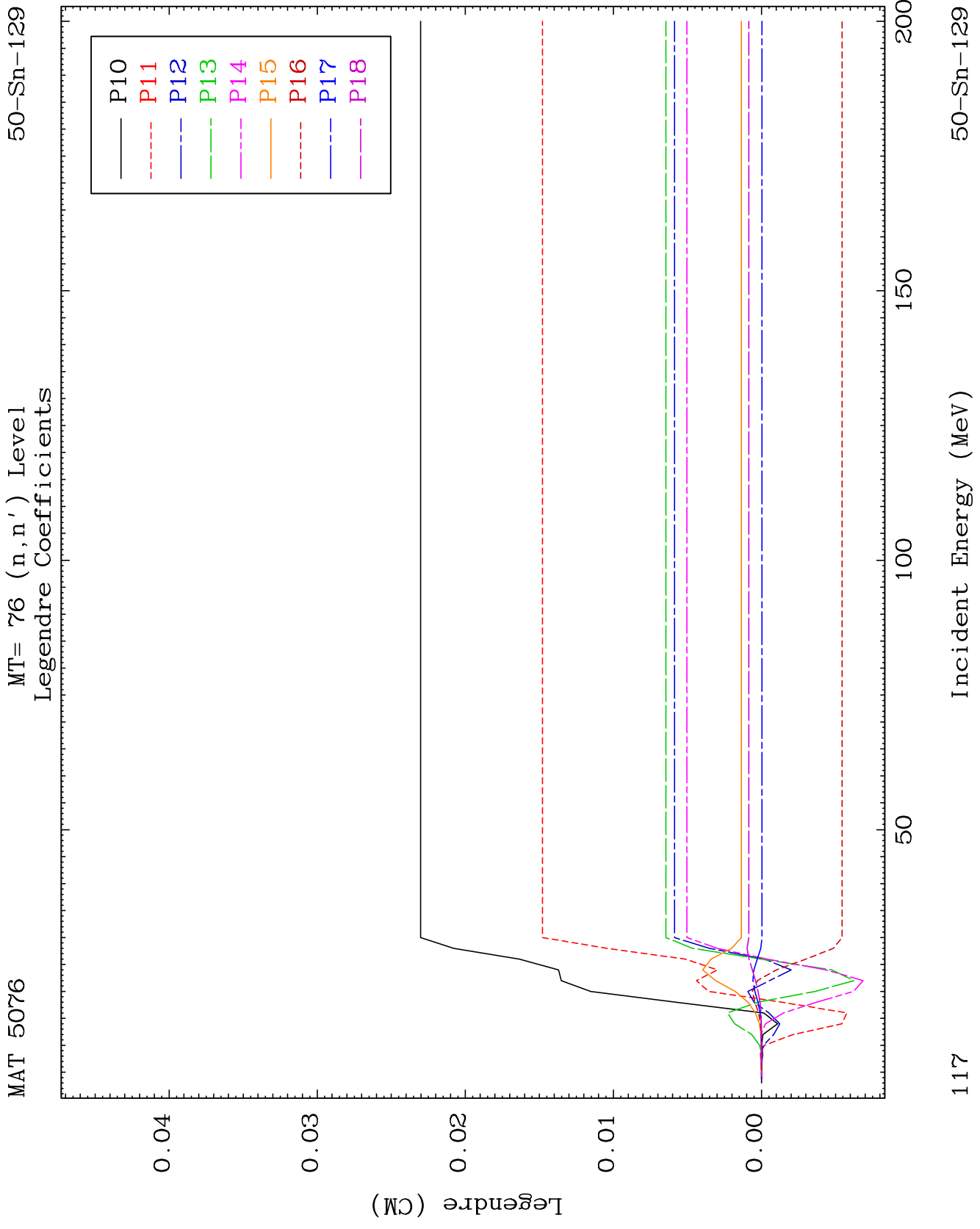
114

Incident Energy (MeV)

50-Sn-129



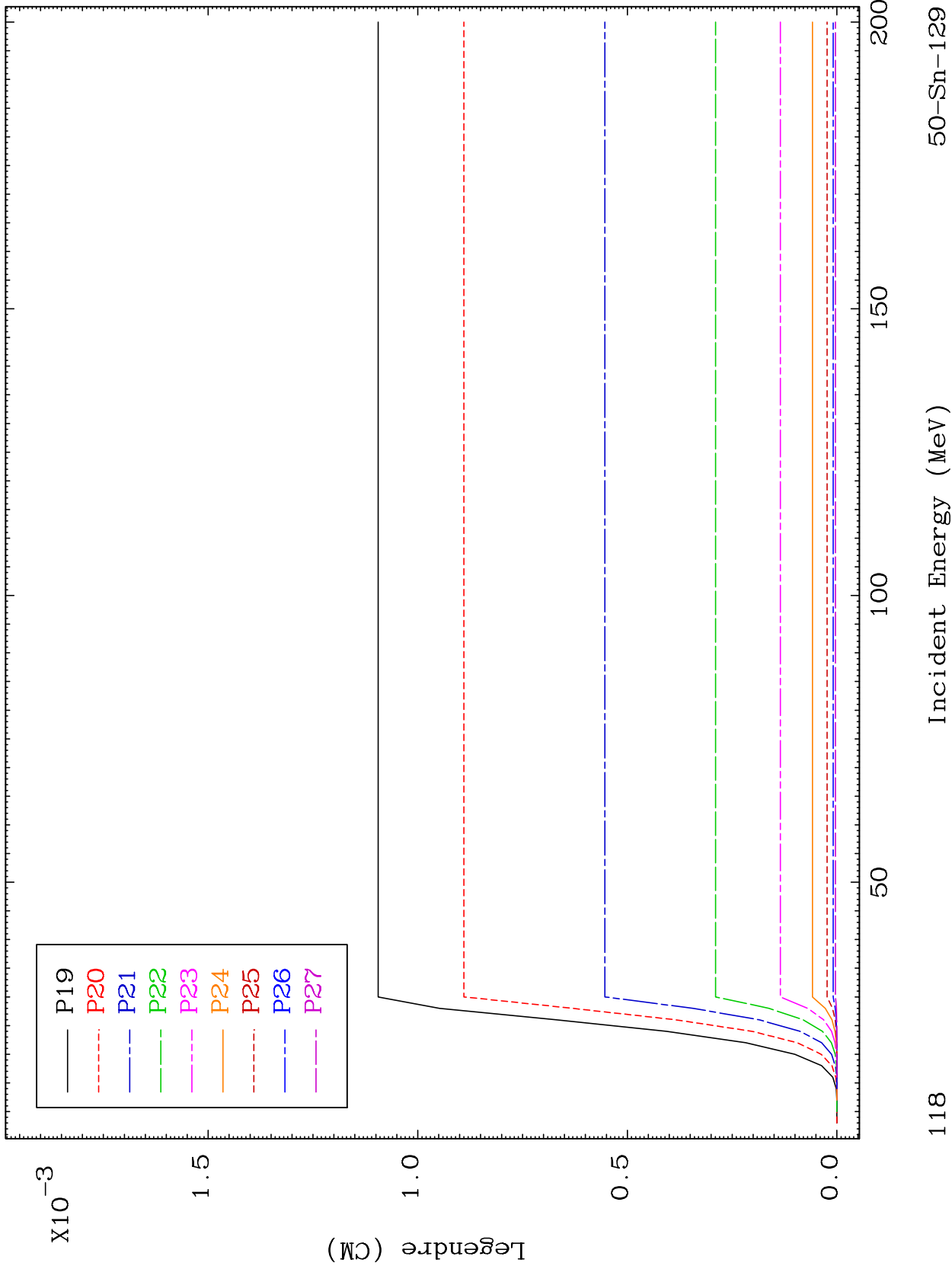




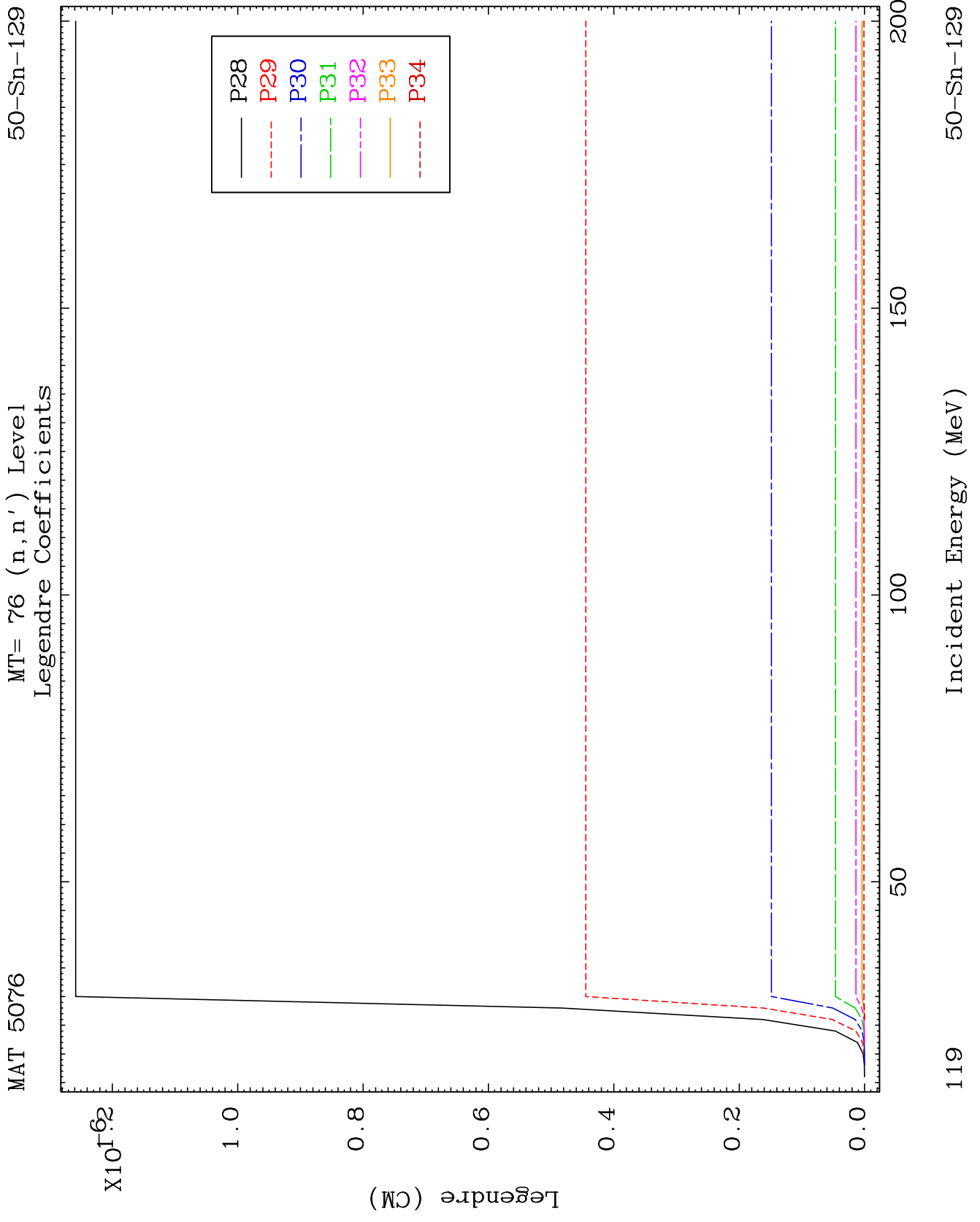
MAT 5076

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

50-Sn-129



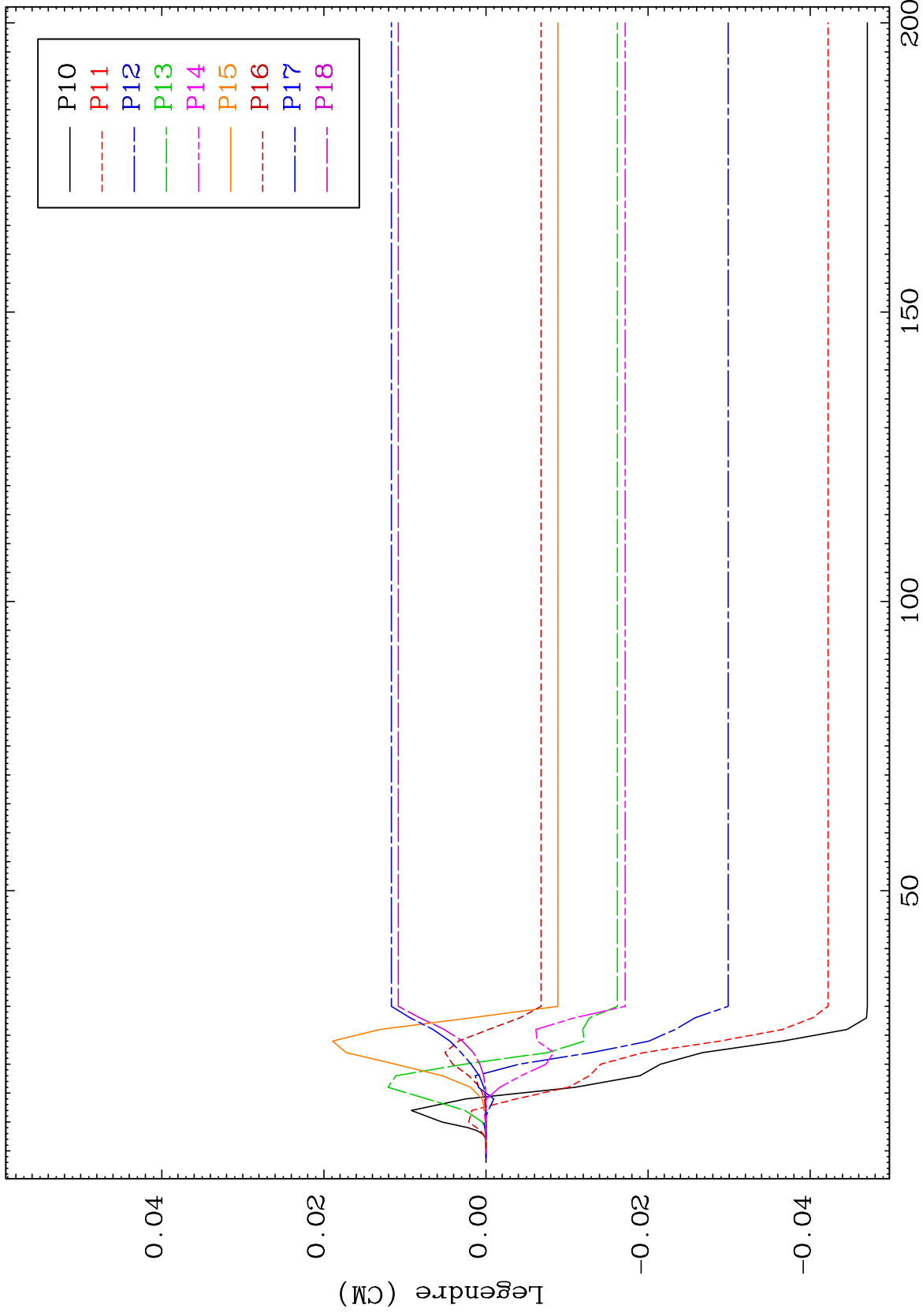
118



MAT 5076

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

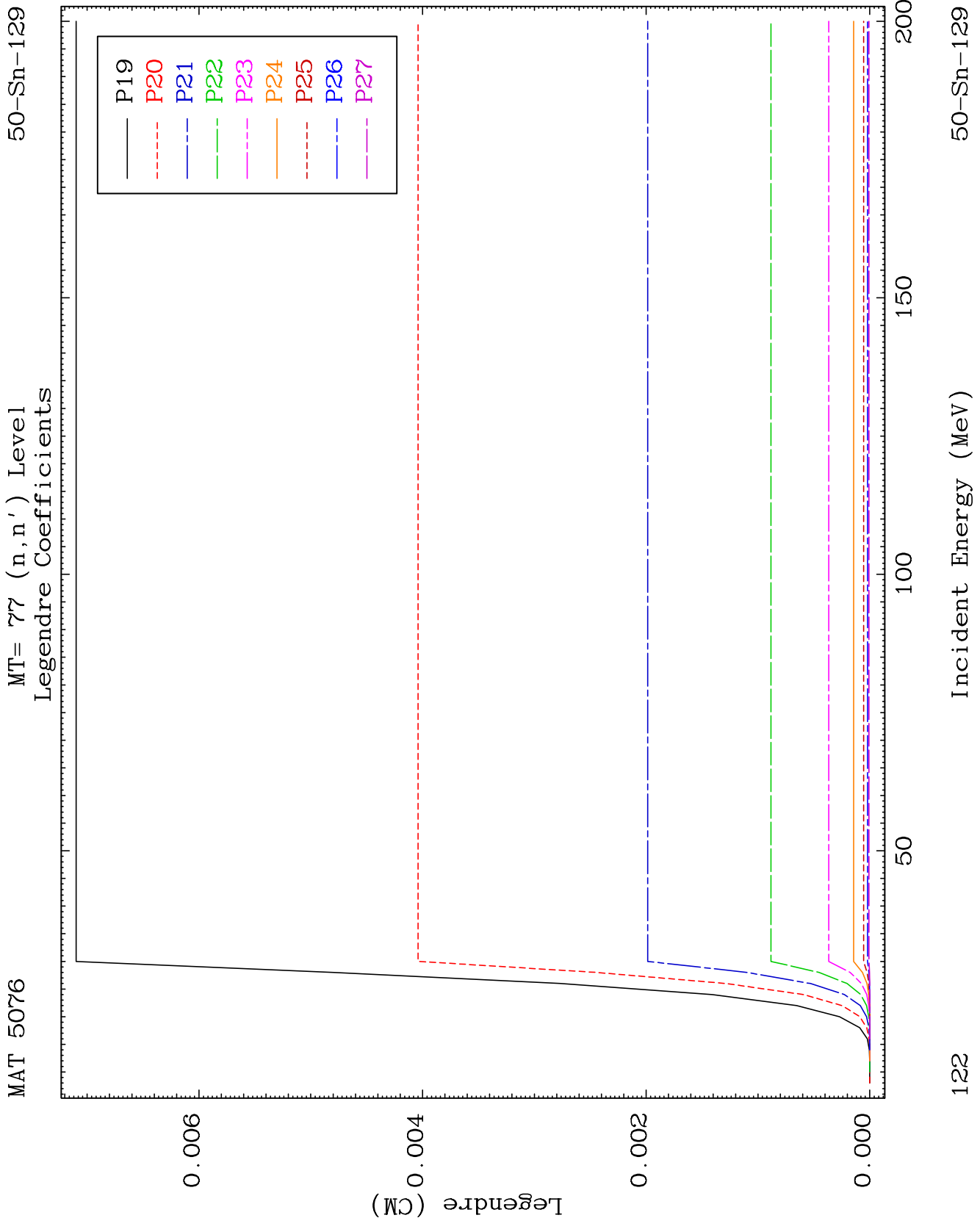
50-Sn-129

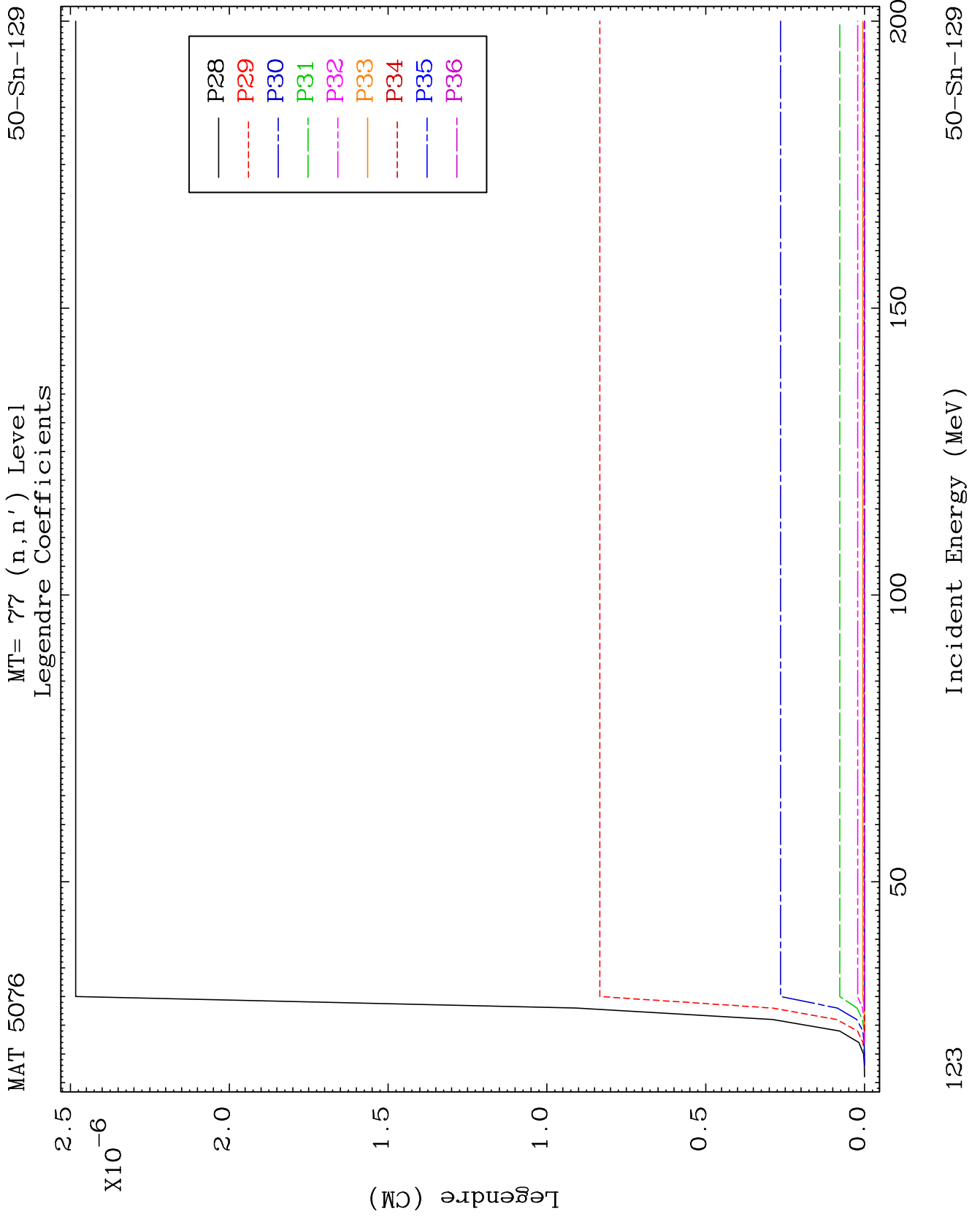


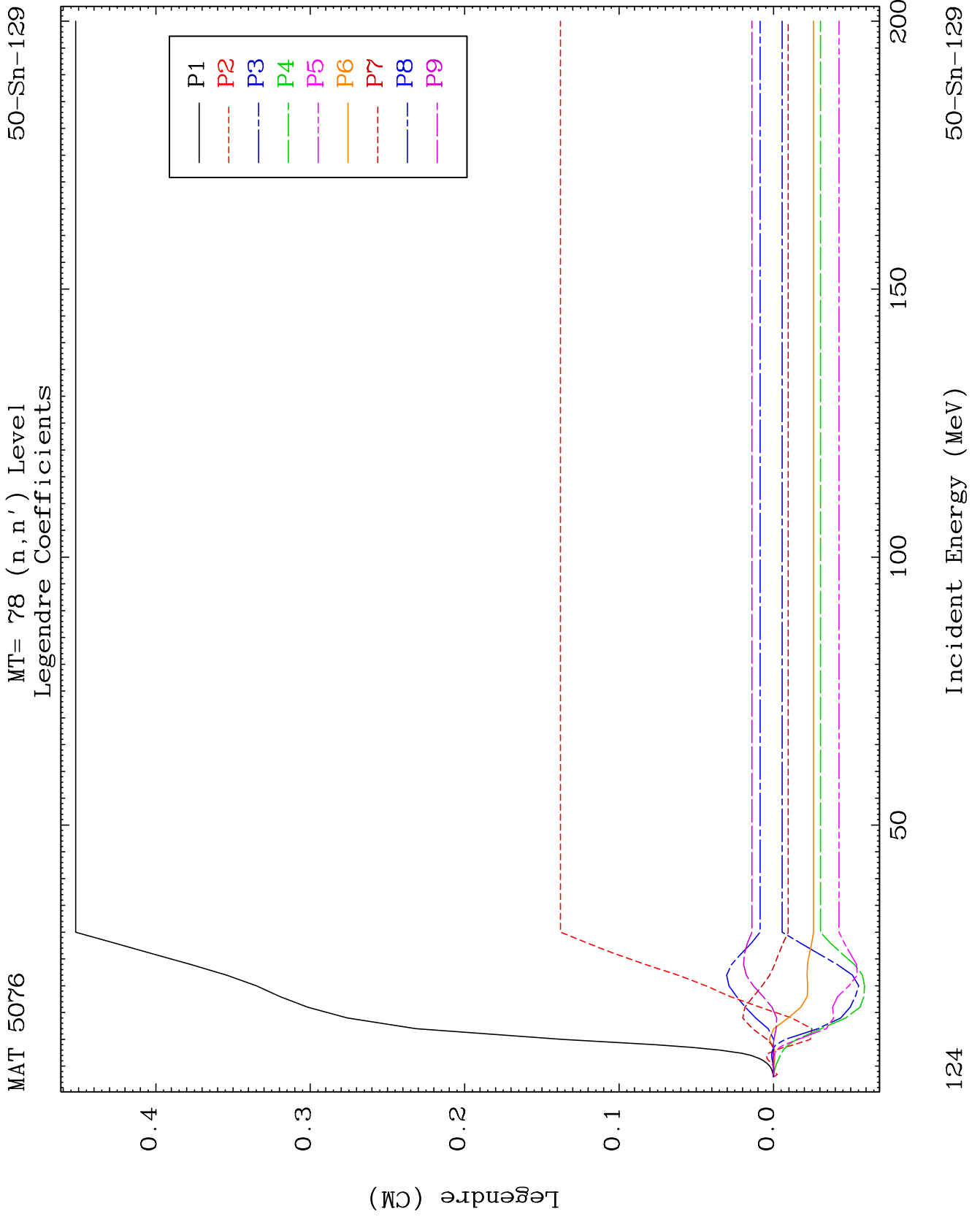
121

Incident Energy (MeV)

50-Sn-129



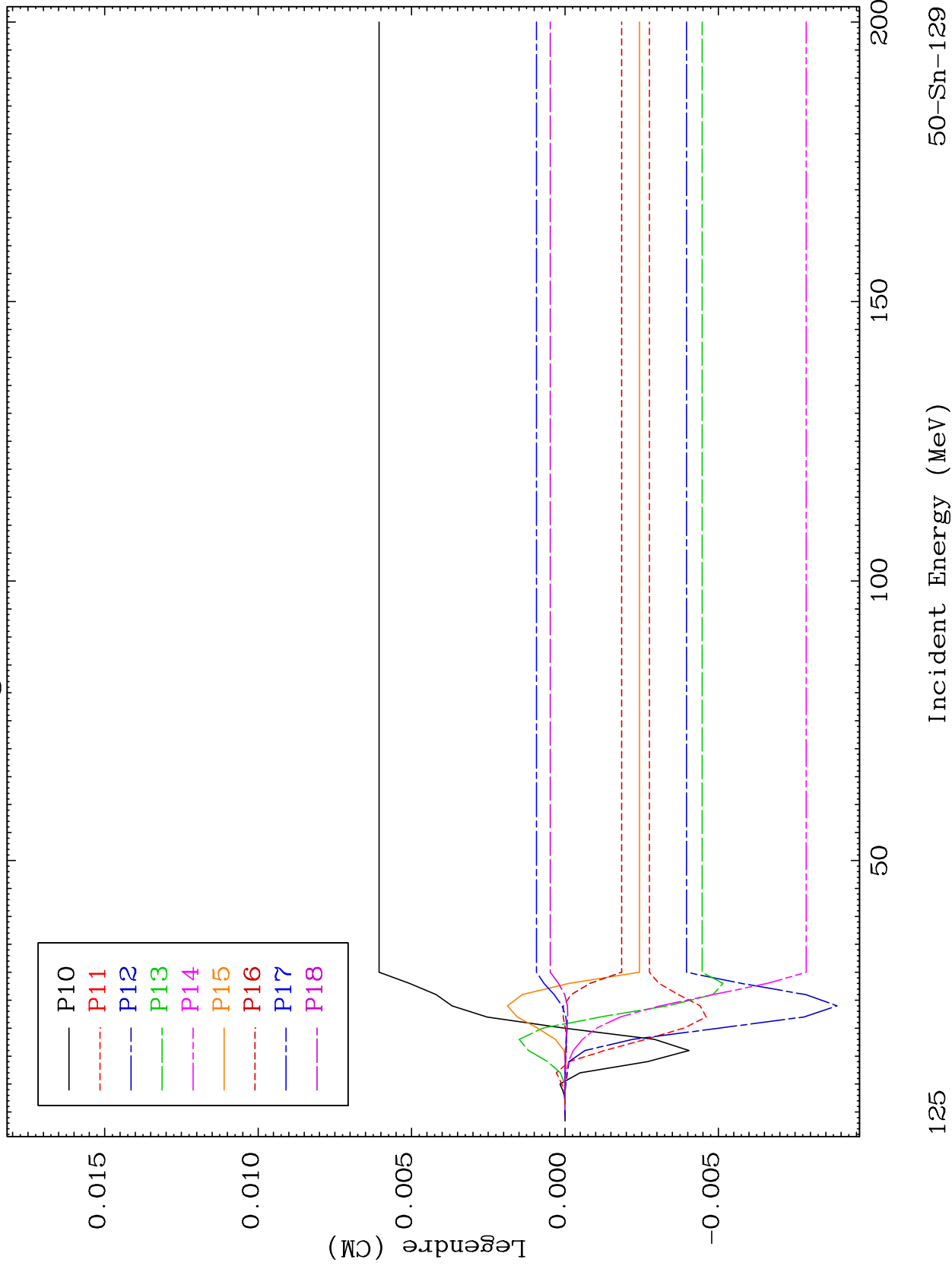




MAT 5076

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

50-Sn-129



125

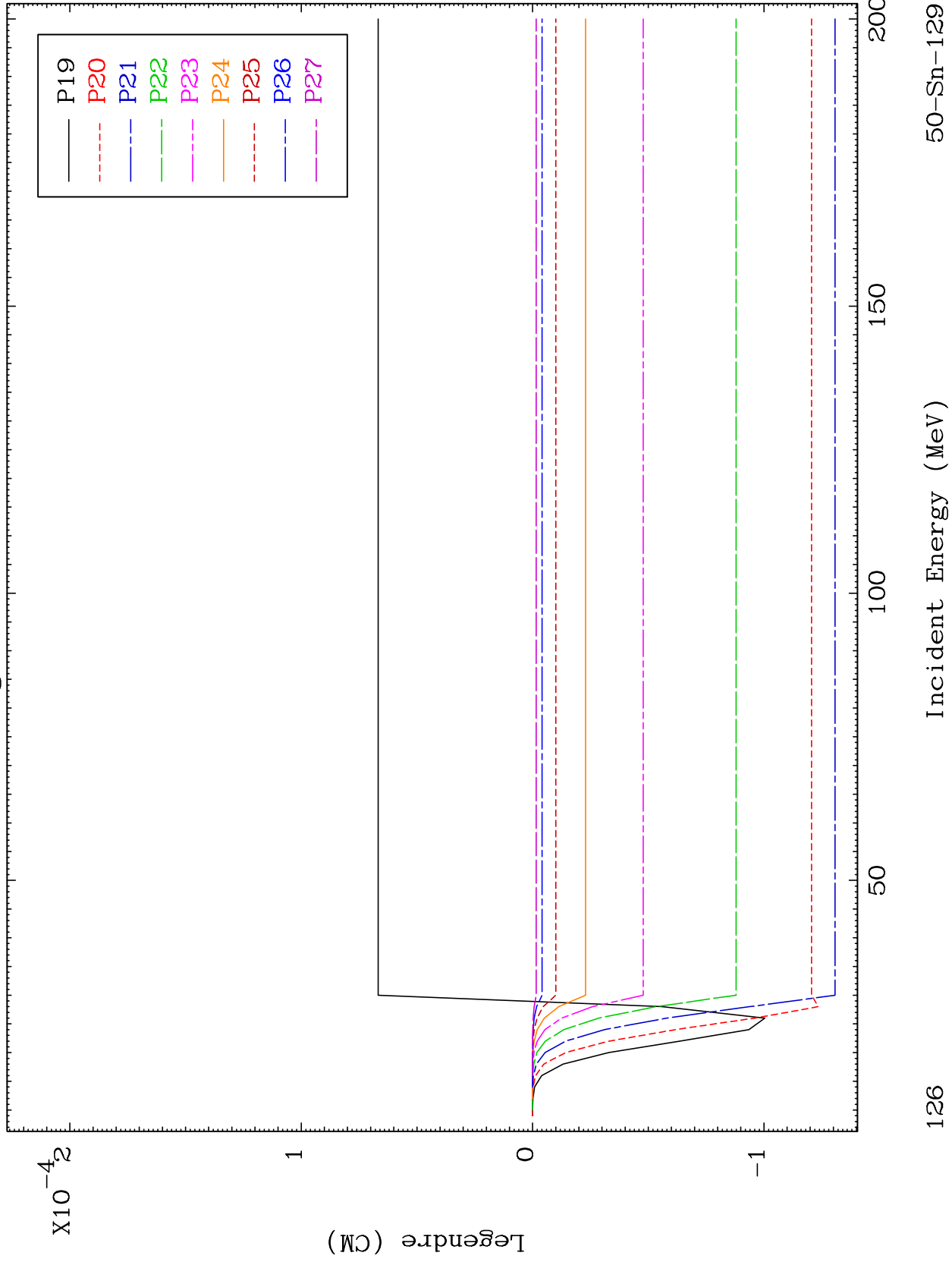
Incident Energy (MeV)

50-Sn-129

MAT 5076

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

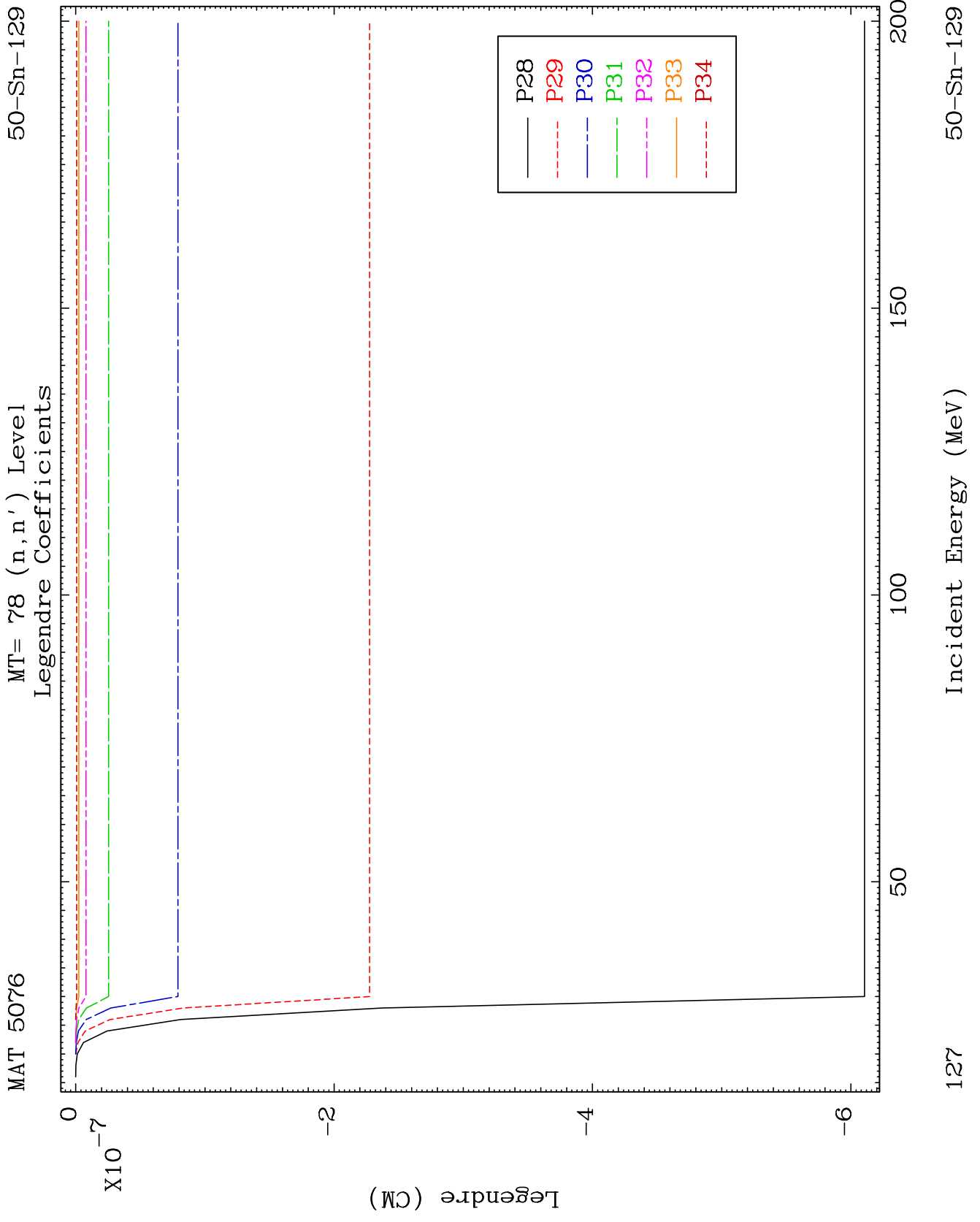
50-Sn-129

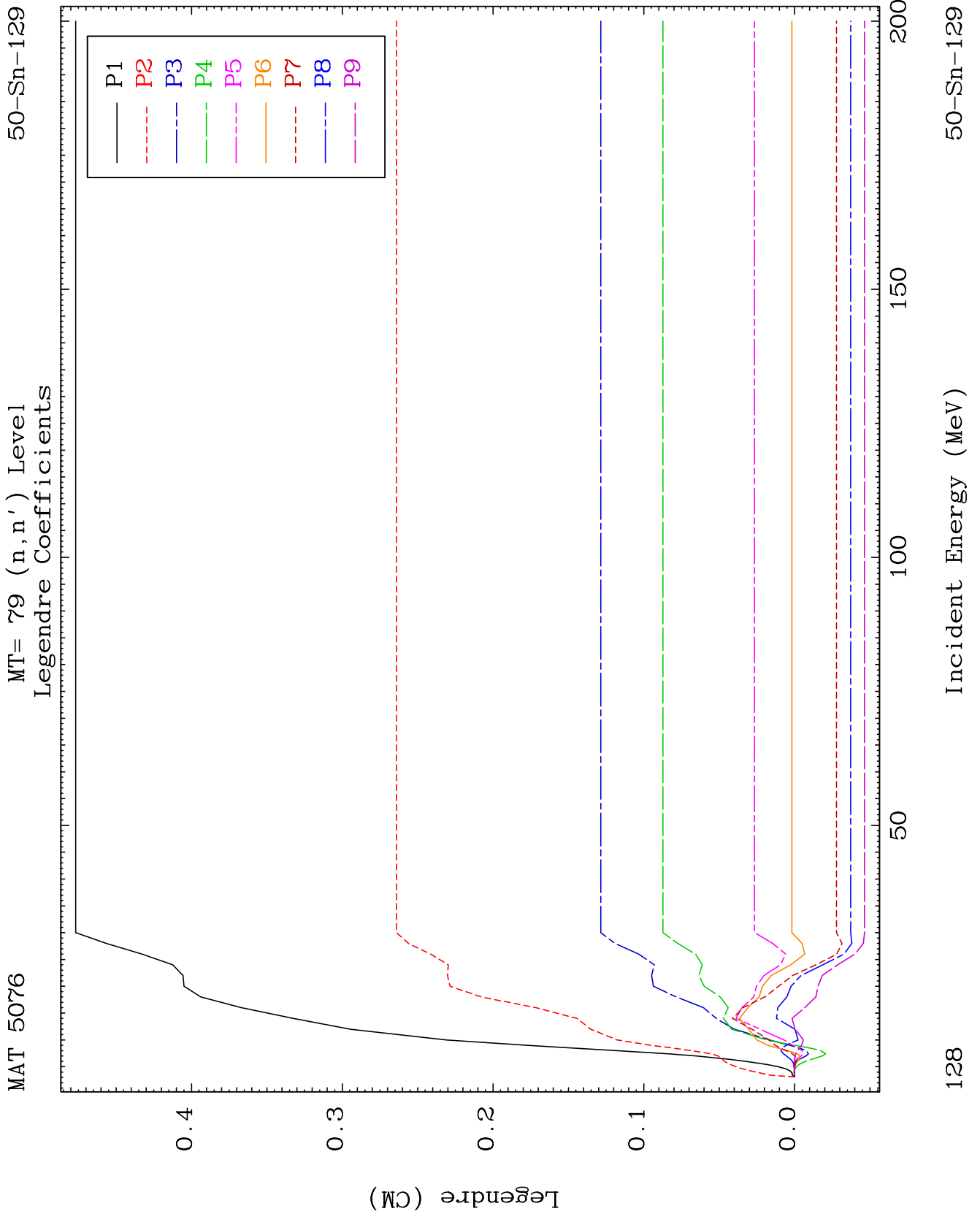


126

Incident Energy (MeV)

50-Sn-129

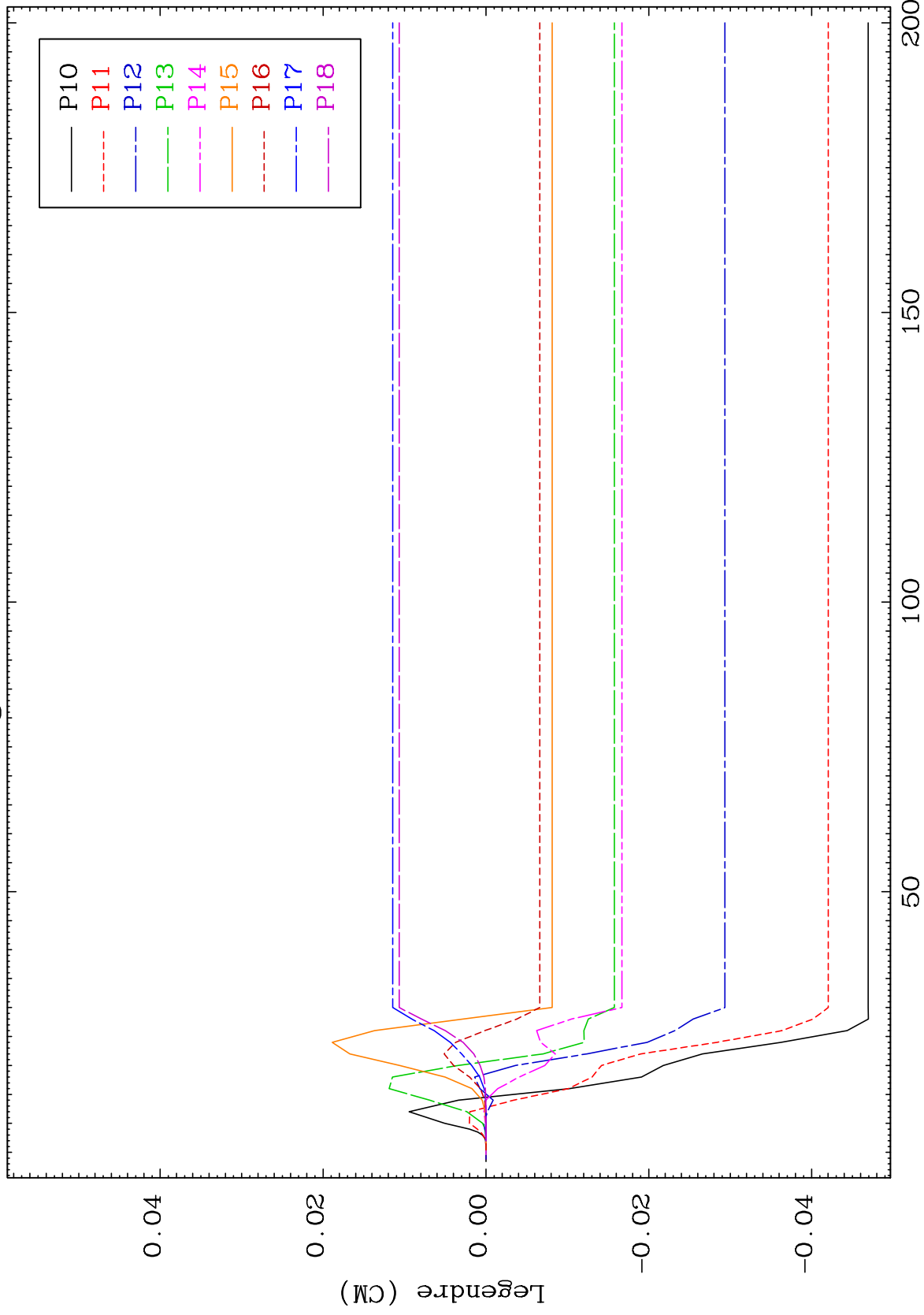




MAT 5076

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

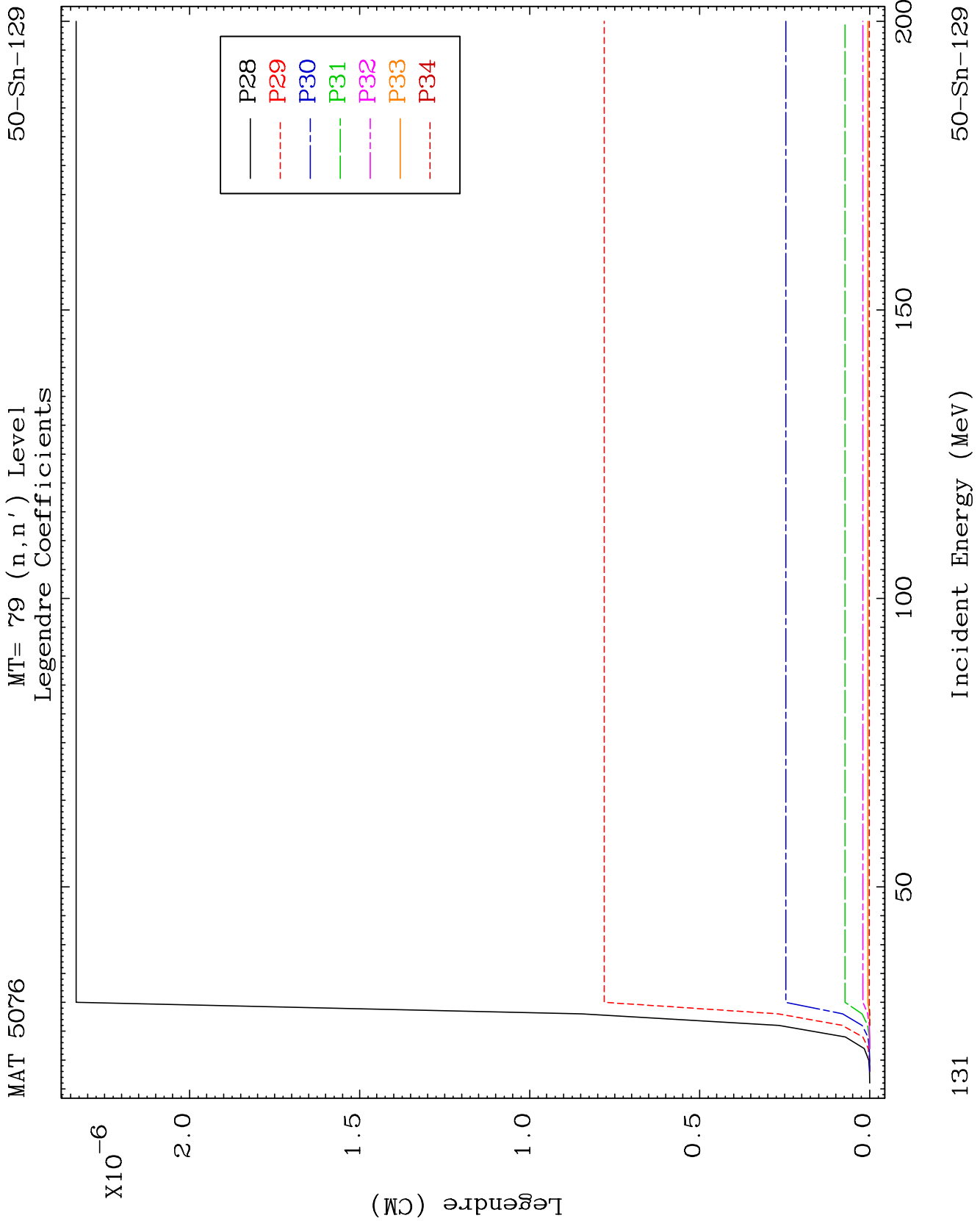
50-Sn-129

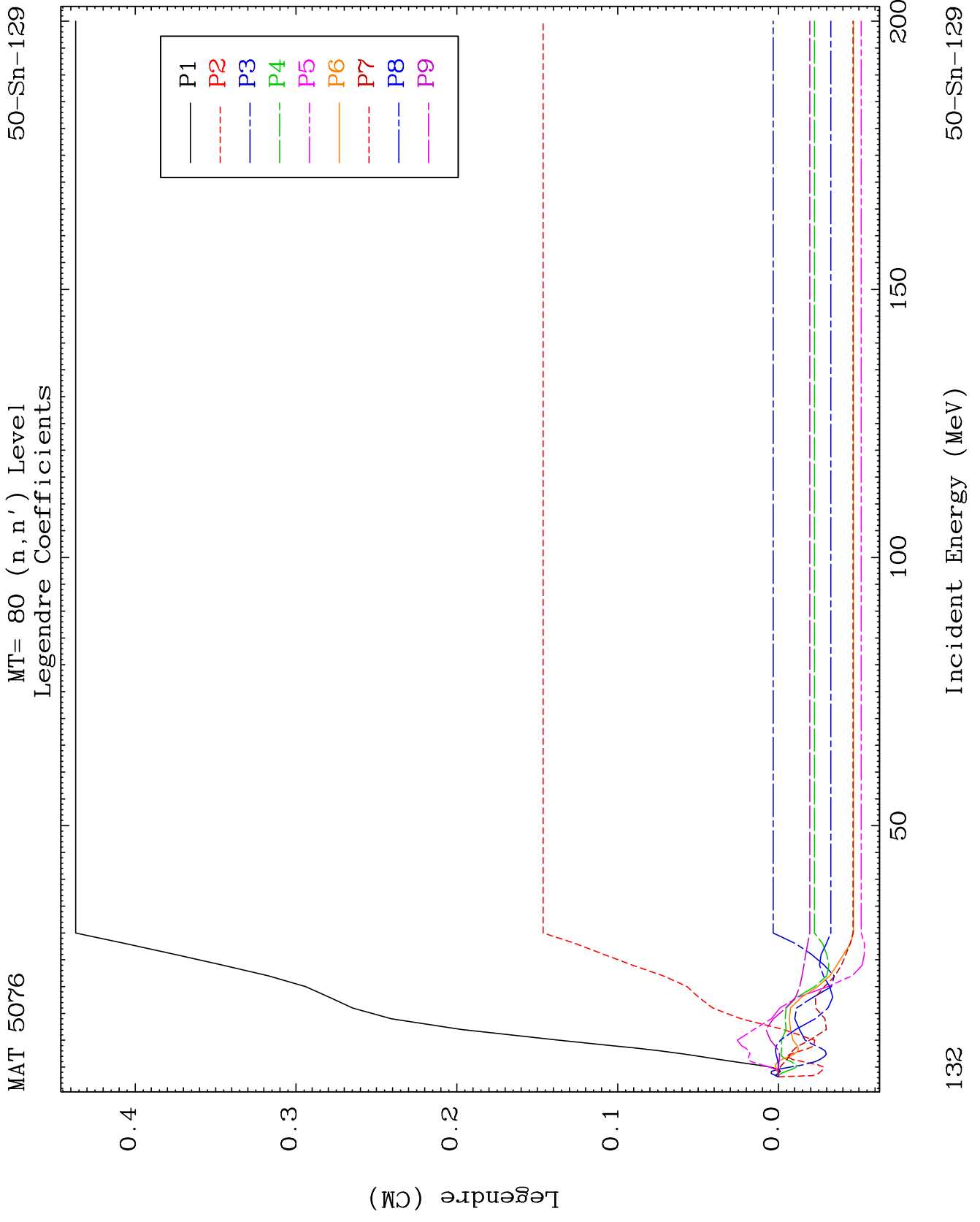


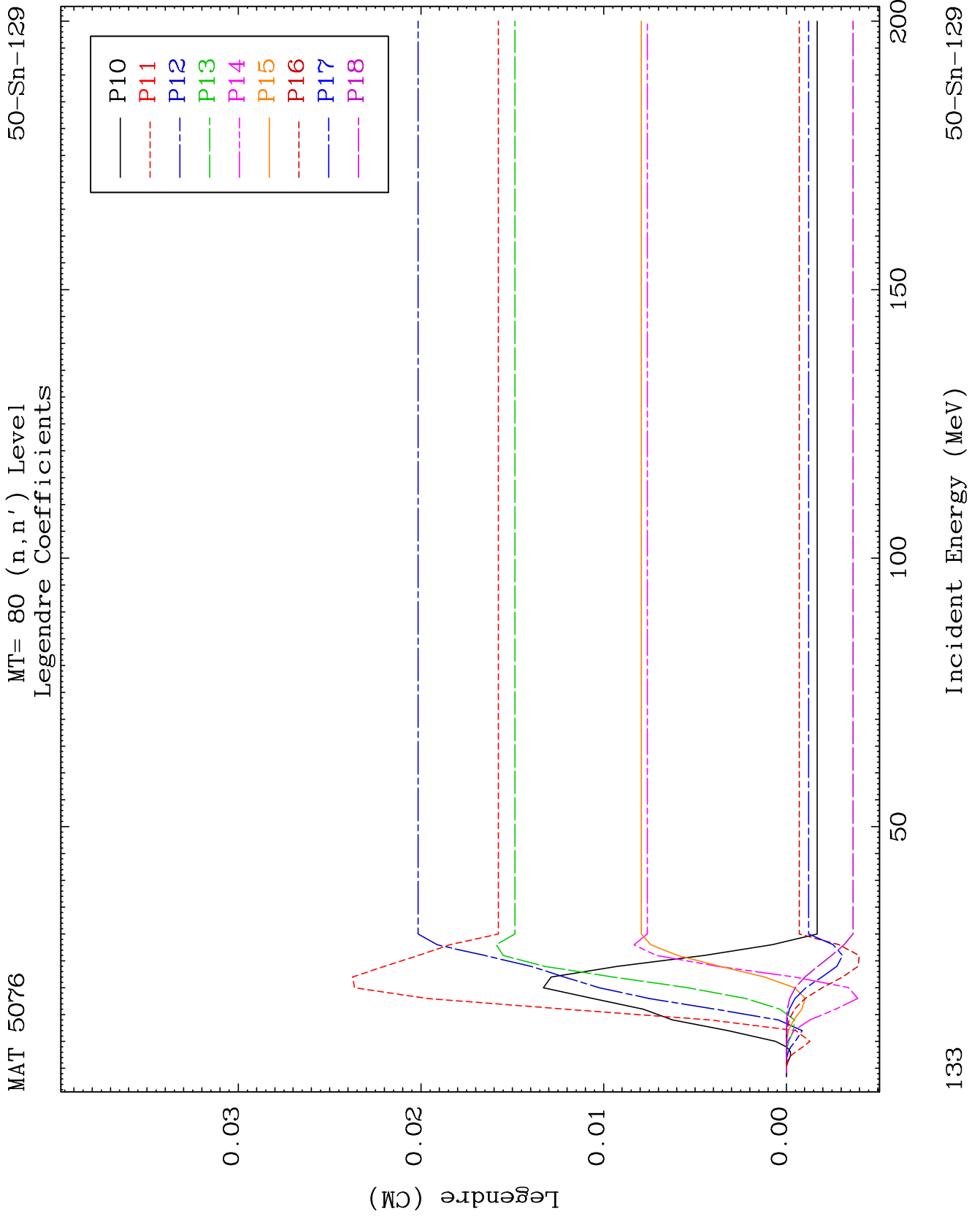
129

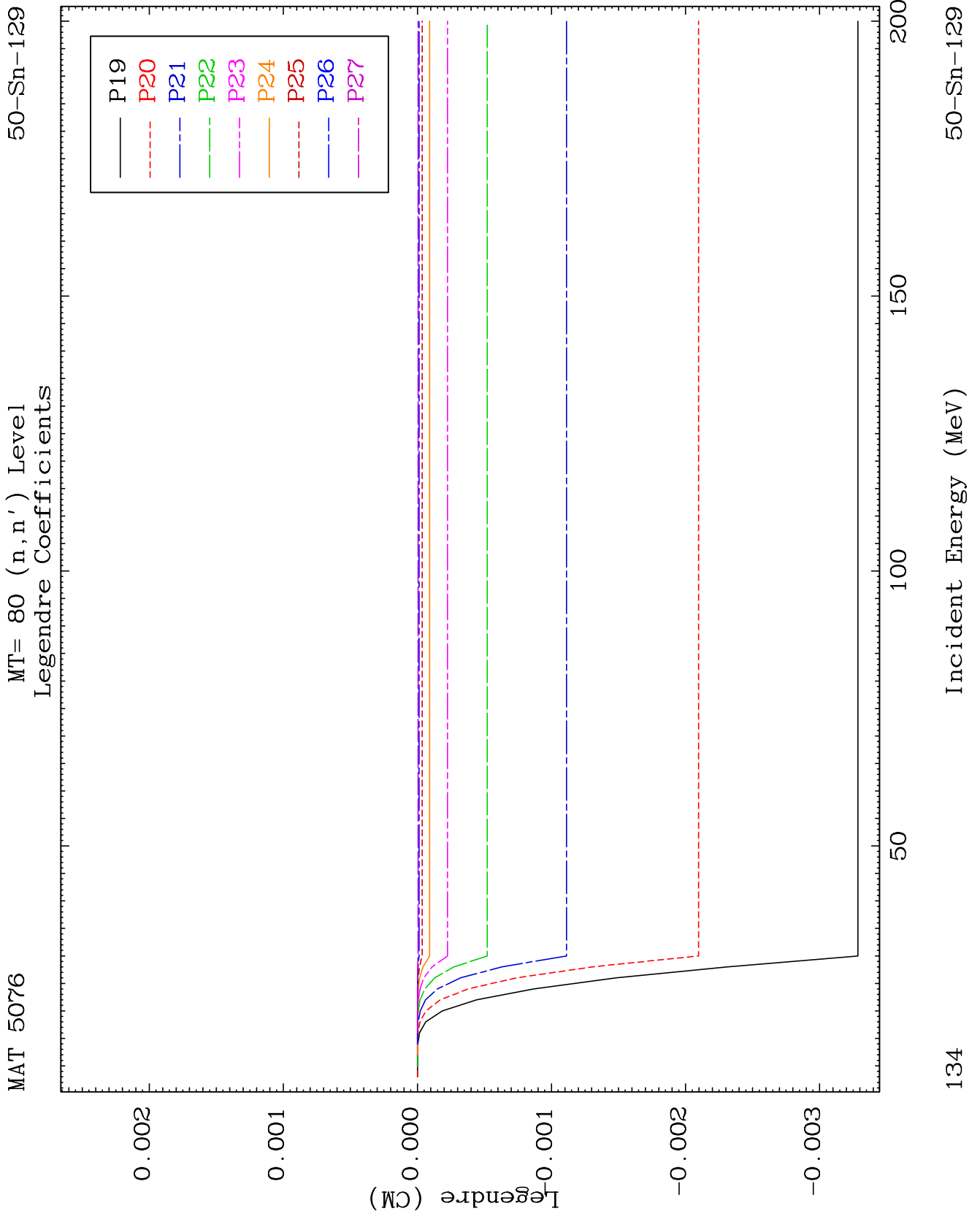
Incident Energy (MeV)

50-Sn-129





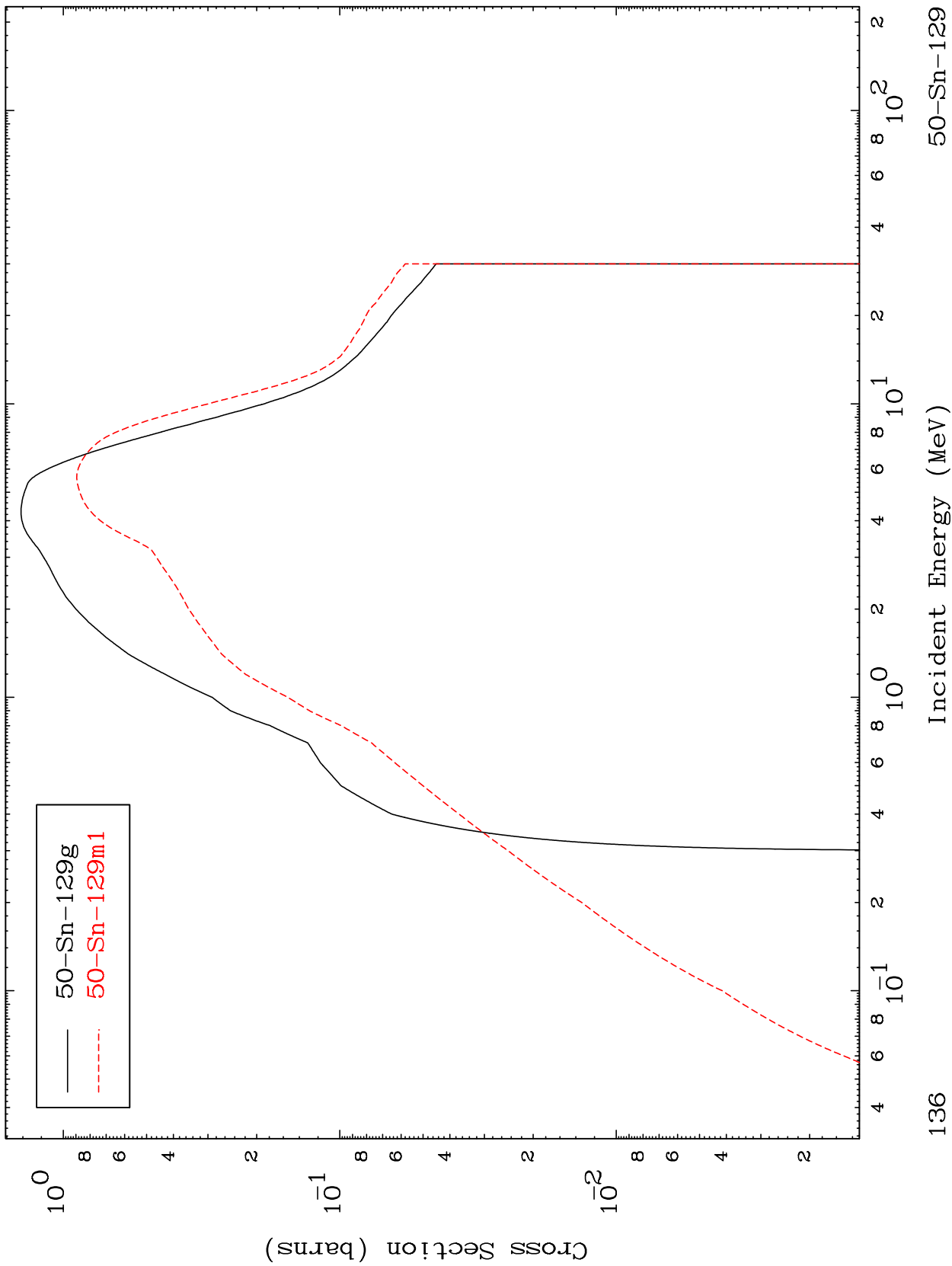




MAT 5076

50-Sn-129

Radionuclide Production Cross Section

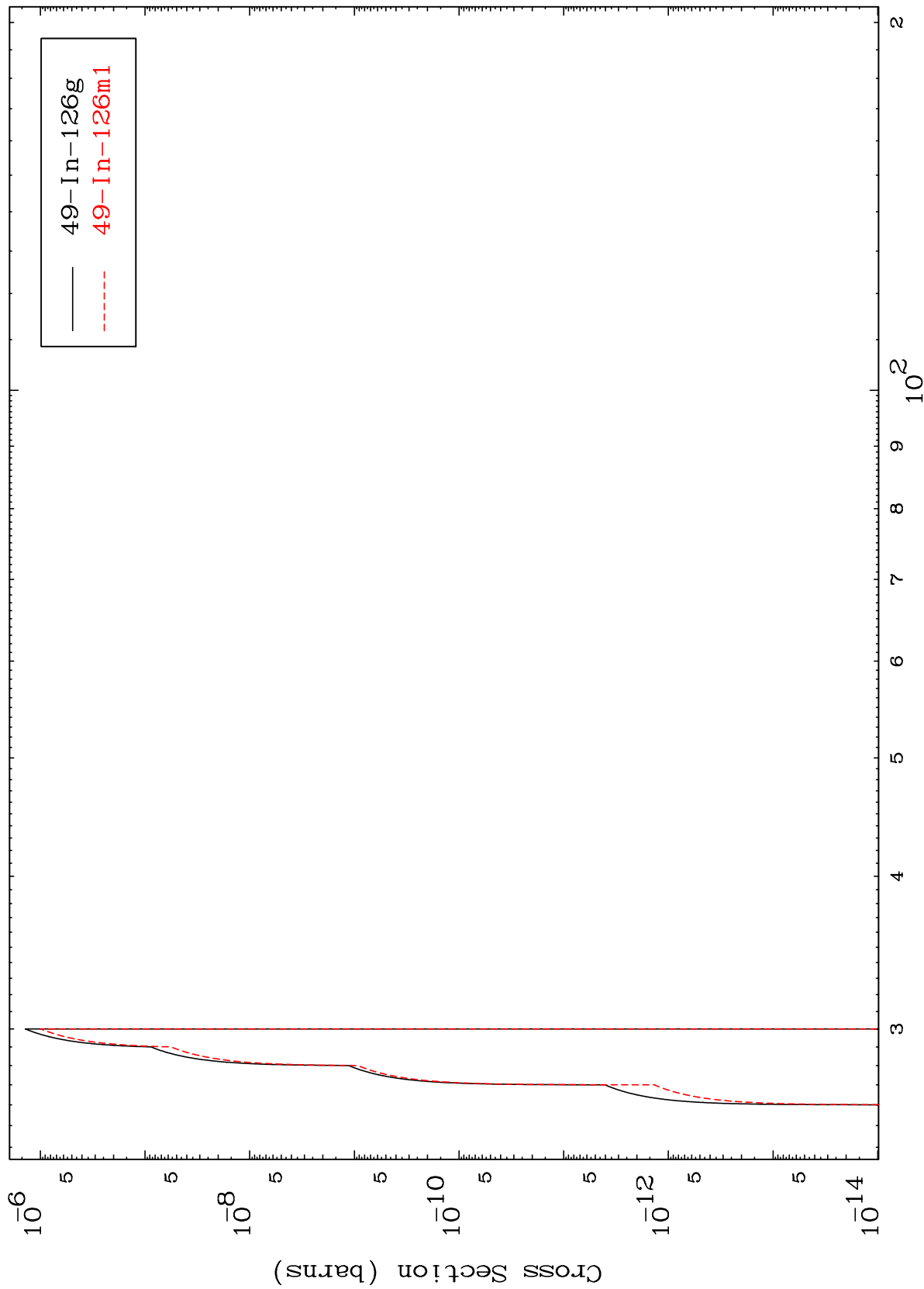


MAT 5076

(n,2n) d

50-Sn-129

Radionuclide Production Cross Section



49-In-126g
49-In-126m1

137

Incident Energy (MeV)

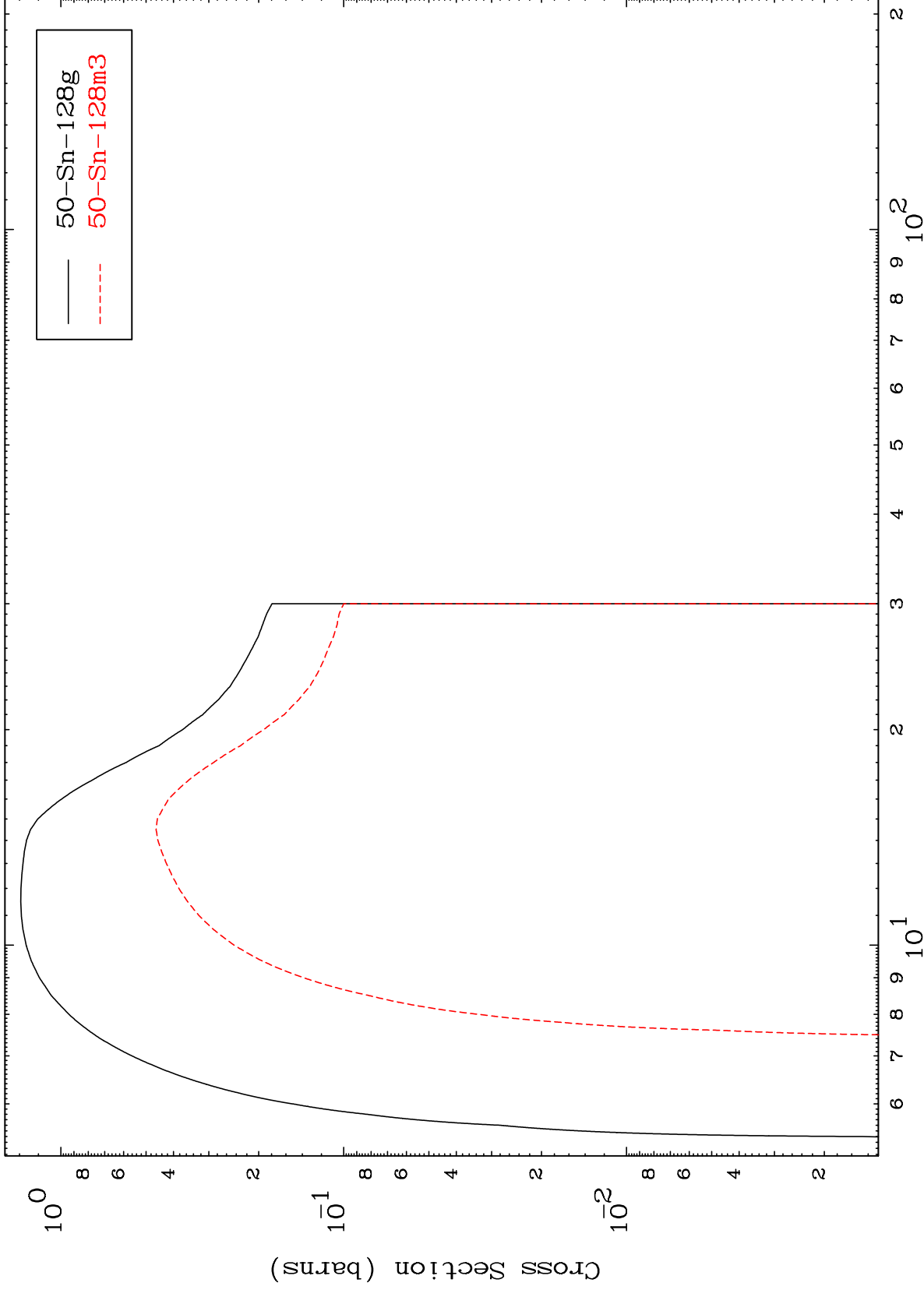
50-Sn-129

MAT 5076

(n,2n)

50-Sn-129

Radionuclide Production Cross Section



138

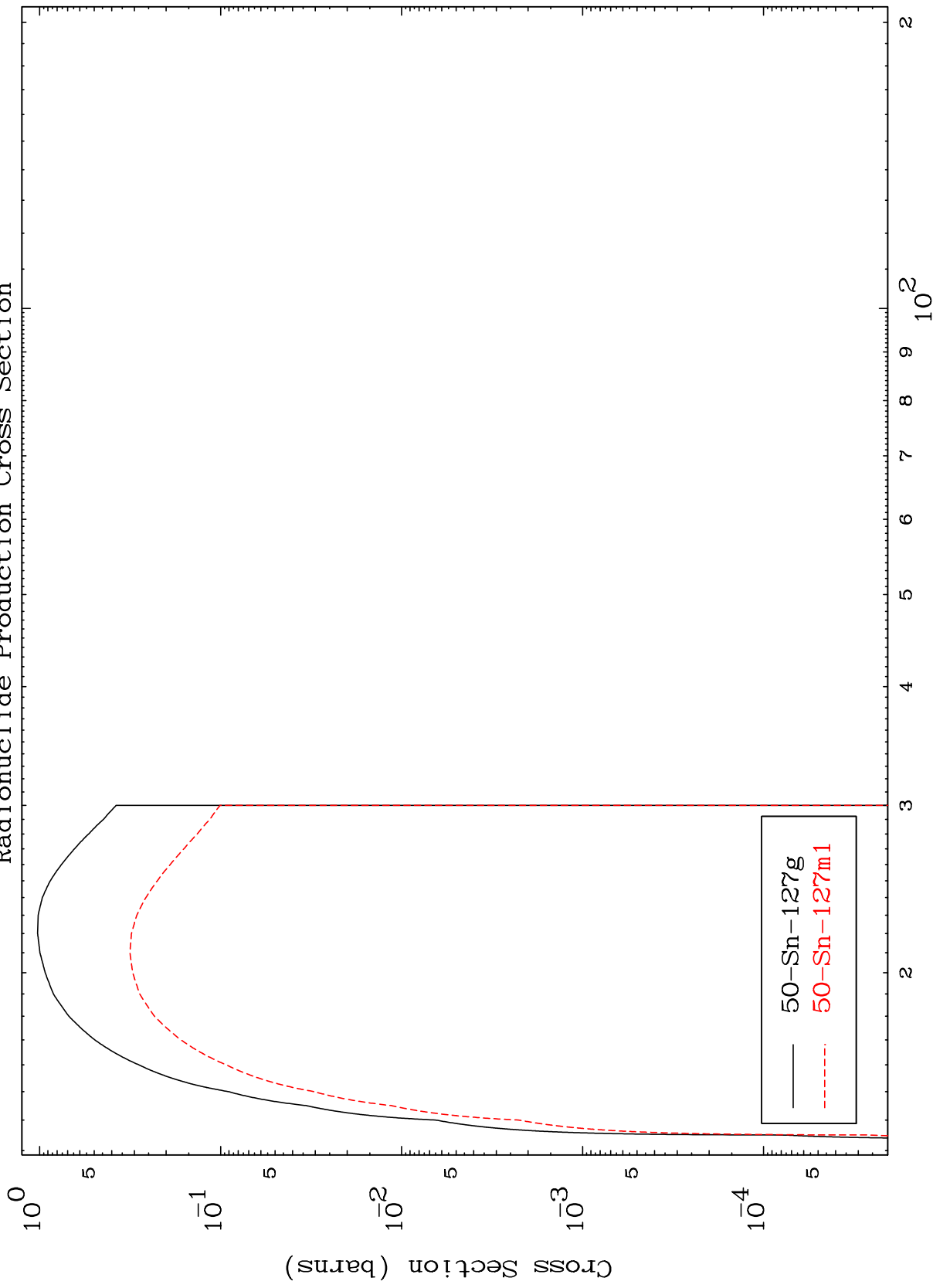
Incident Energy (MeV)

50-Sn-129

MAT 5076

50-Sn-129

(n,3n)
Radionuclide Production Cross Section



50-Sn-129

Incident Energy (MeV)

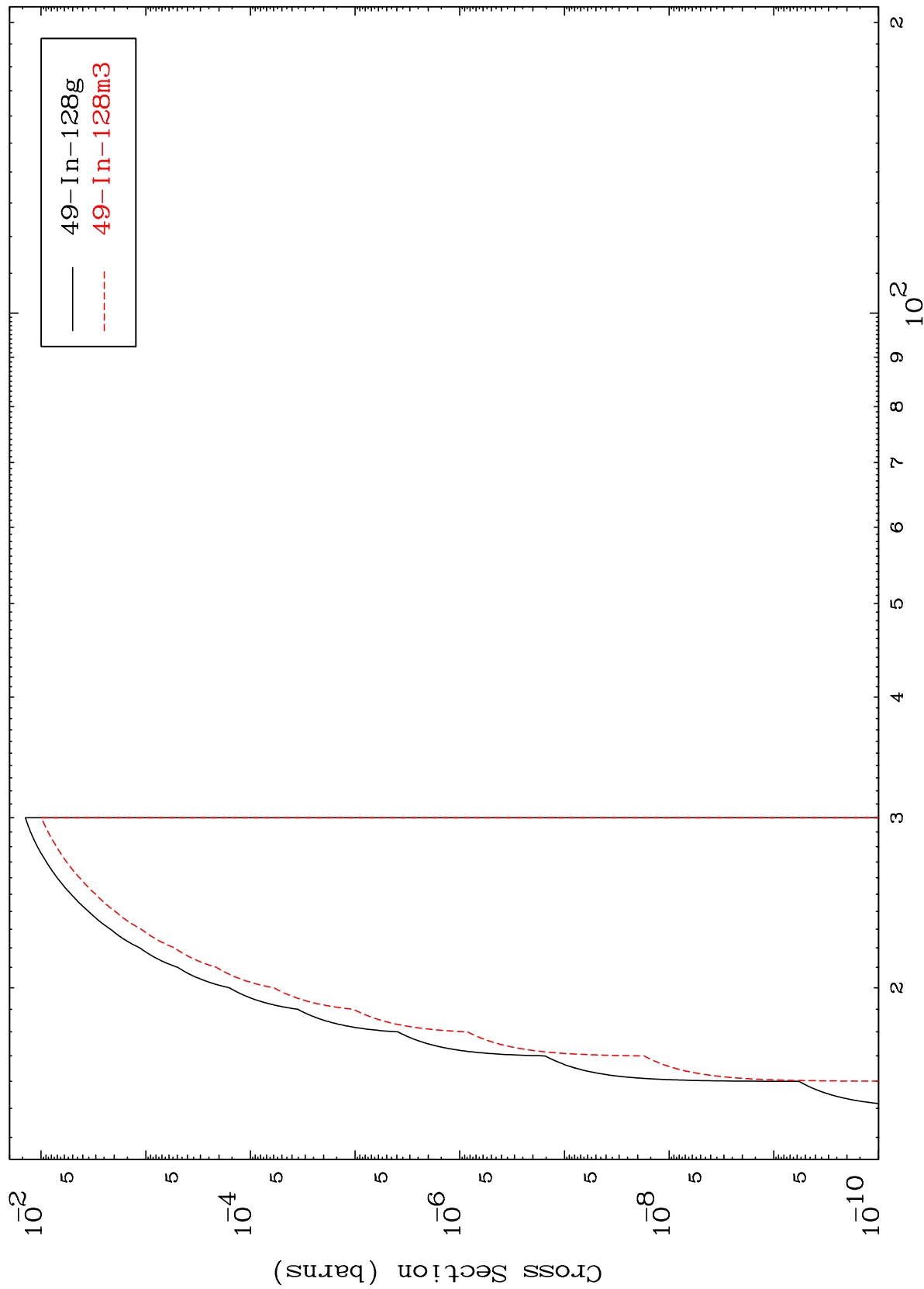
139

MAT 5076

(n,n') p

50-Sn-129

Radionuclide Production Cross Section



140

Incident Energy (MeV)

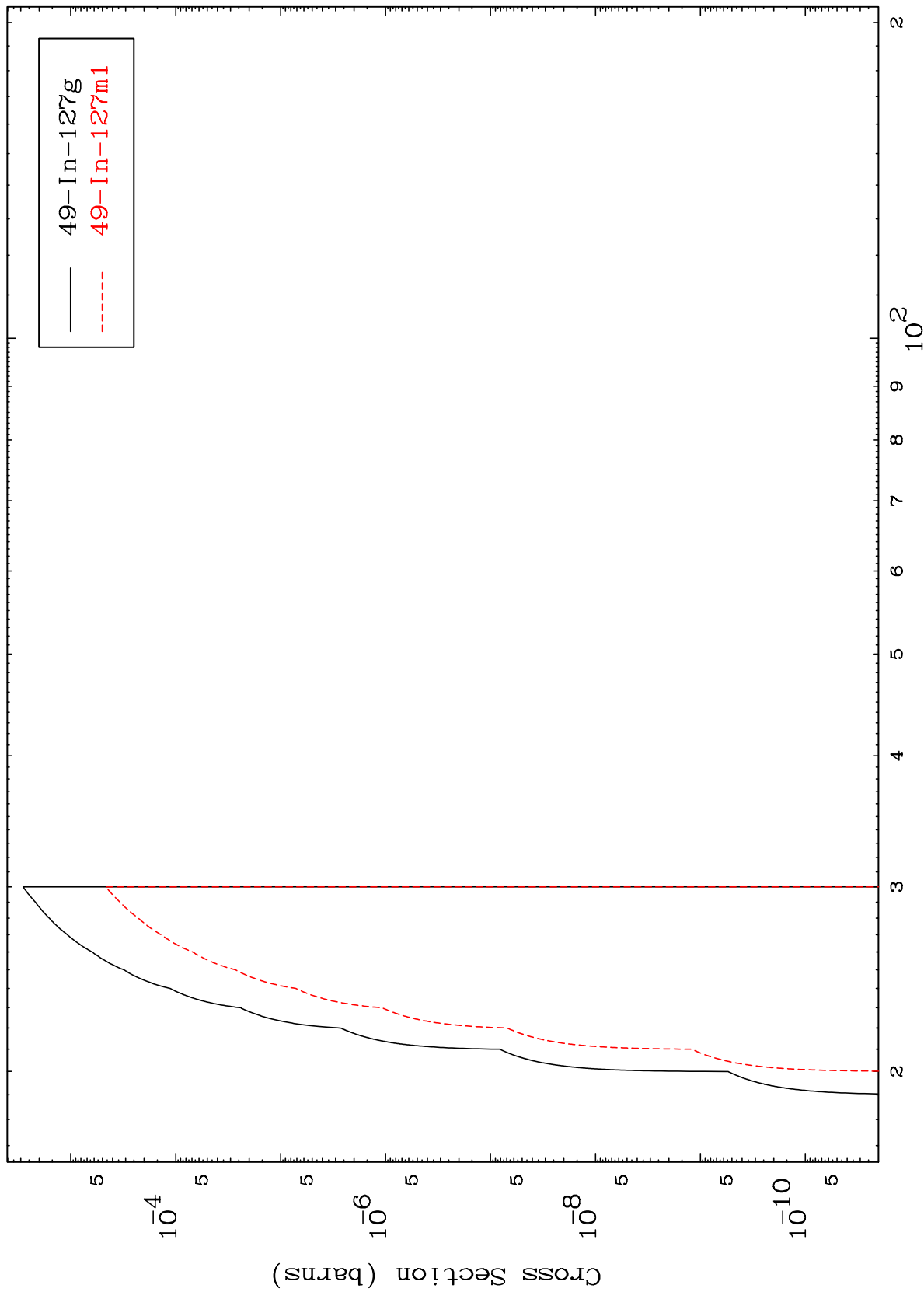
50-Sn-129

MAT 5076

(n,n') d

50-Sn-129

Radionuclide Production Cross Section



141

Incident Energy (MeV)

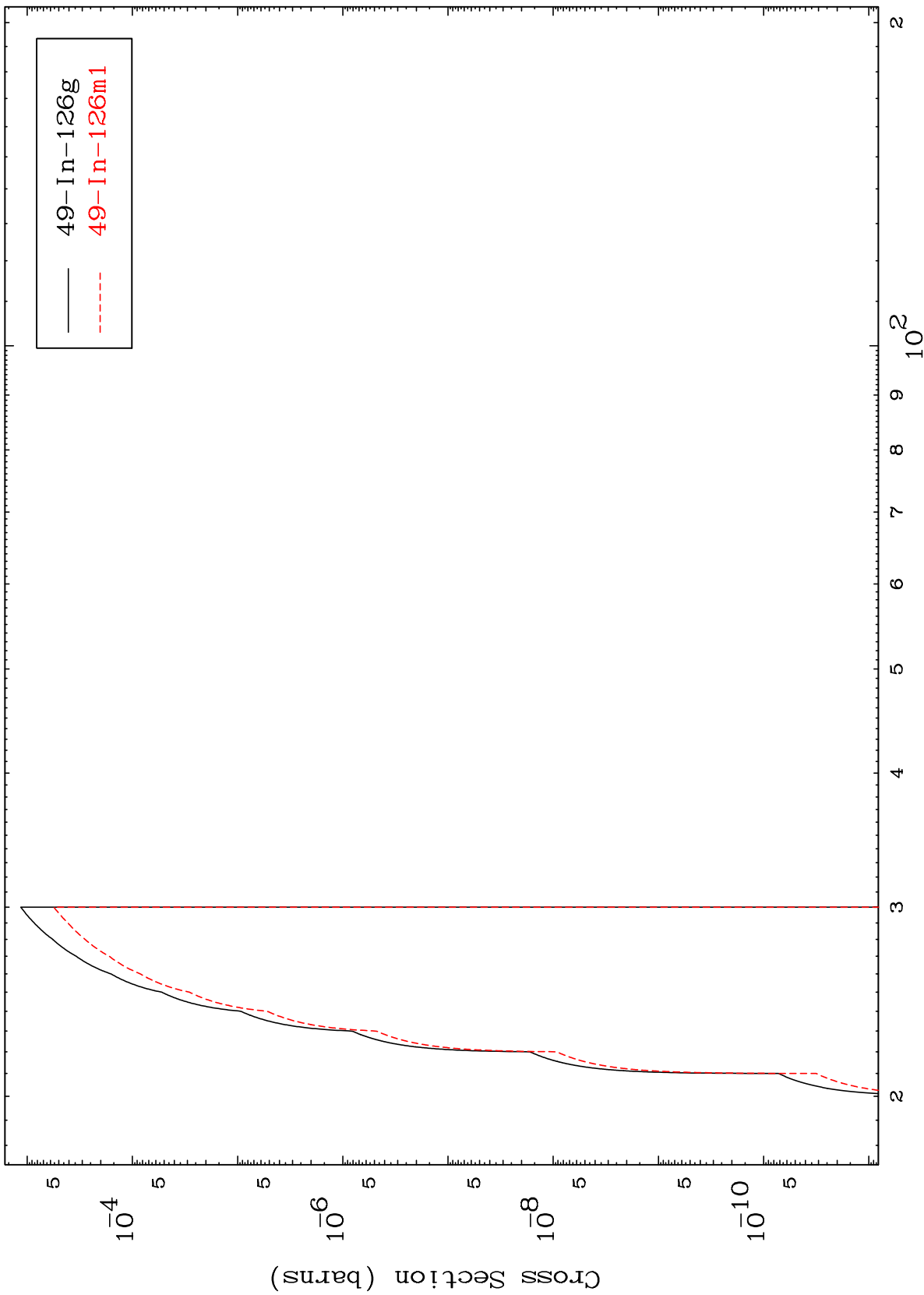
50-Sn-129

MAT 5076

(n,n') t

50-Sn-129

Radionuclide Production Cross Section



142

Incident Energy (MeV)

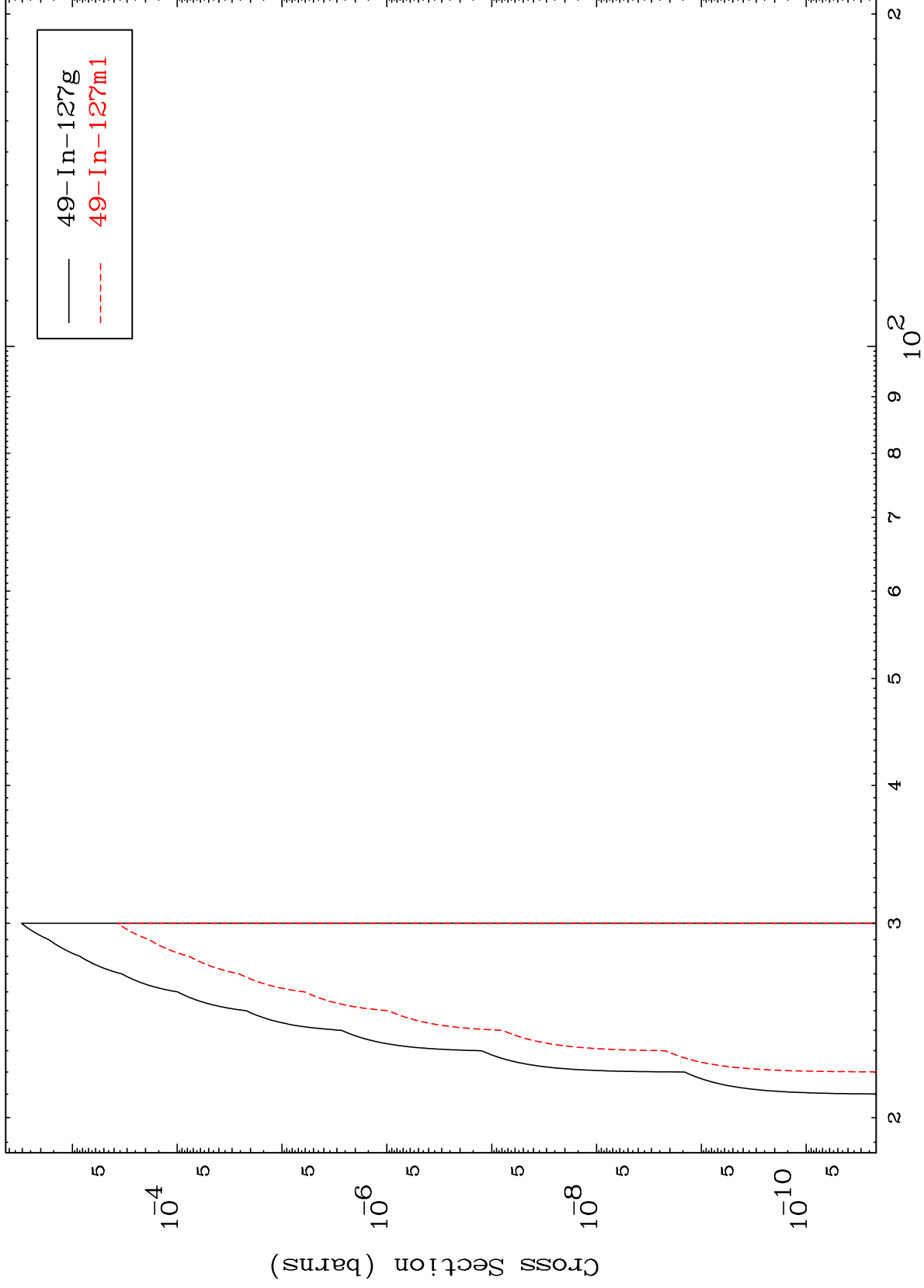
50-Sn-129

MAT 5076

(n,2n) p

50-Sn-129

Radionuclide Production Cross Section



143

Incident Energy (MeV)

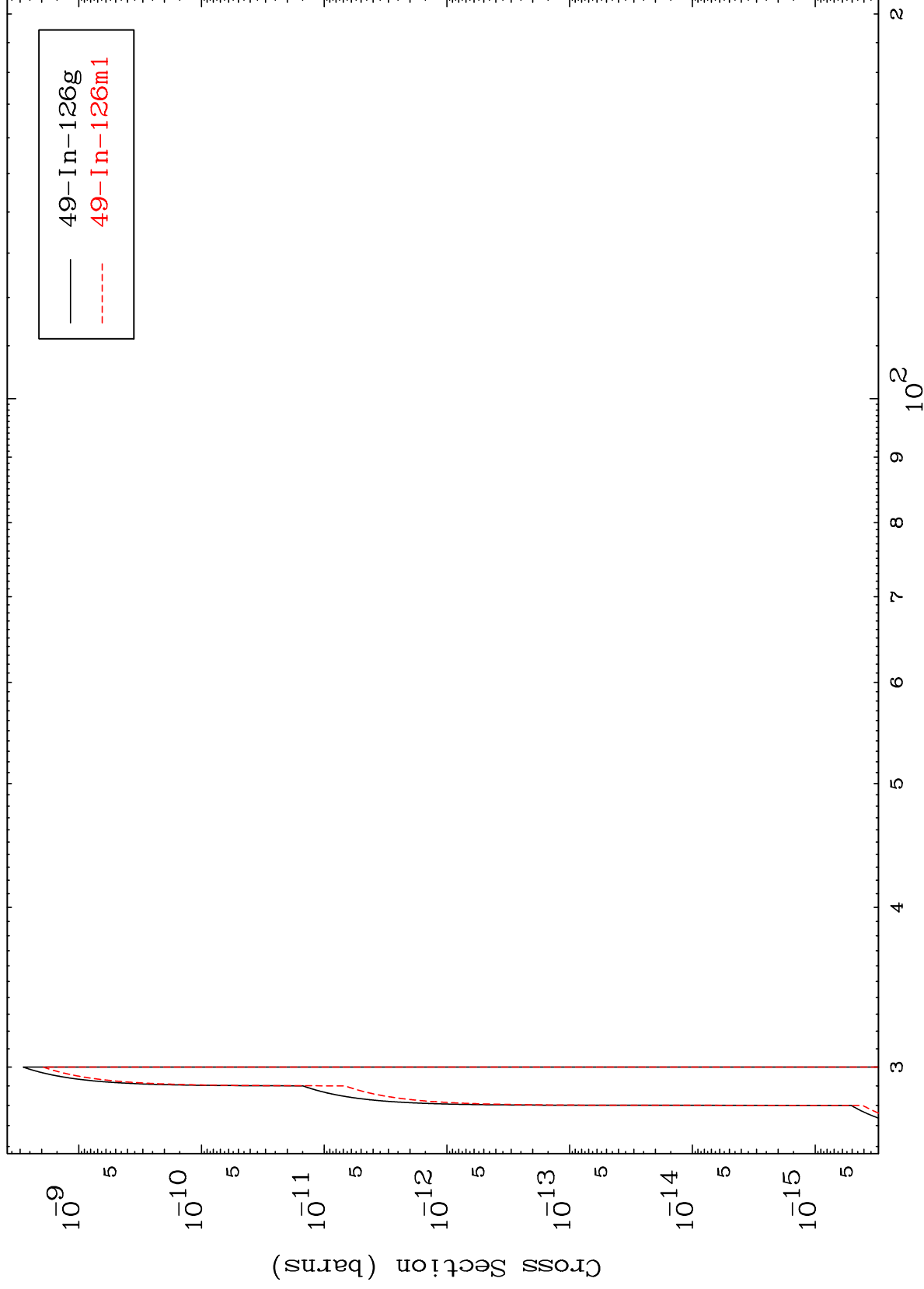
50-Sn-129

MAT 5076

(n,3n) p

50-Sn-129

Radionuclide Production Cross Section



144

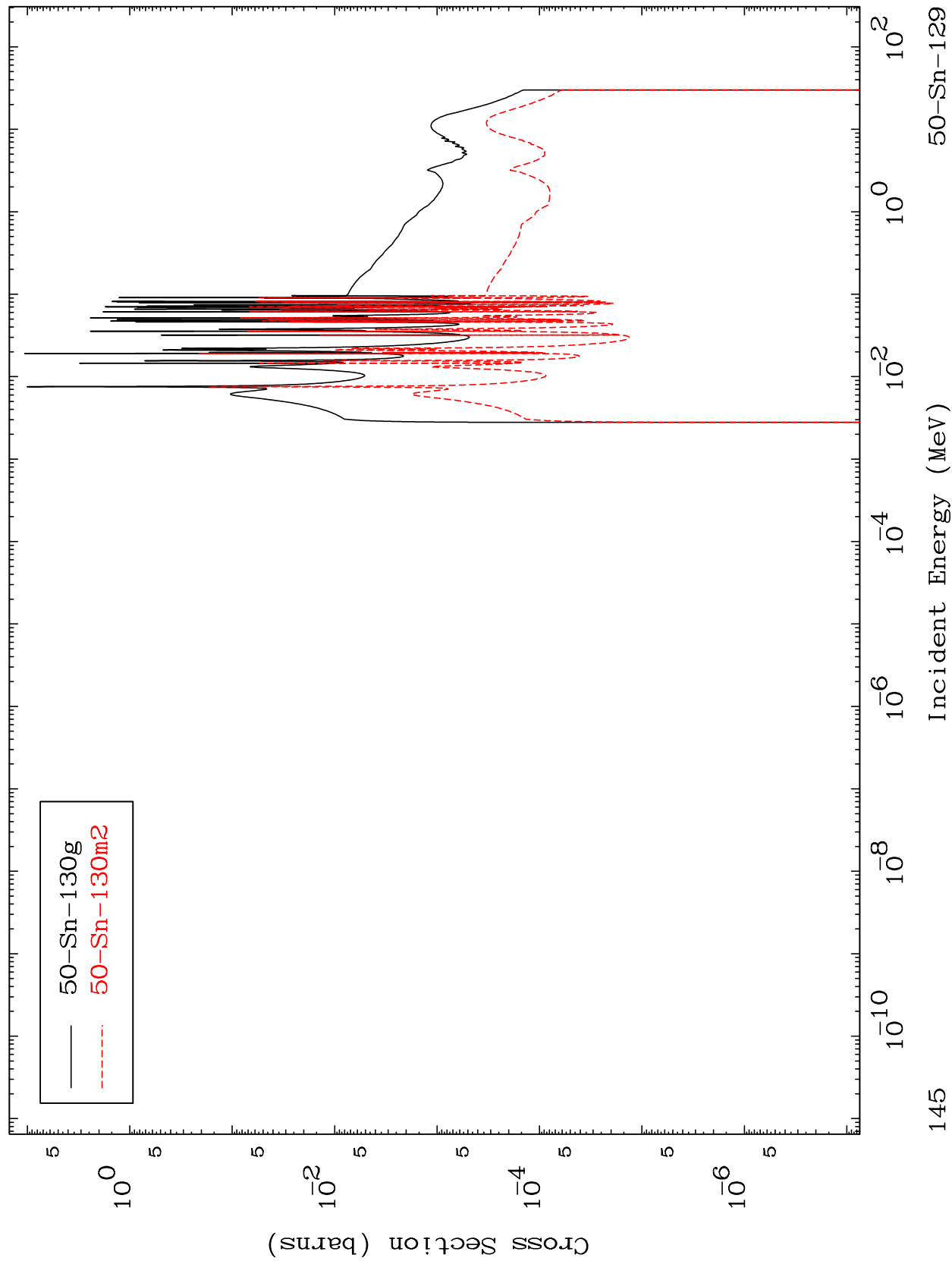
Incident Energy (MeV)

50-Sn-129

MAT 5076

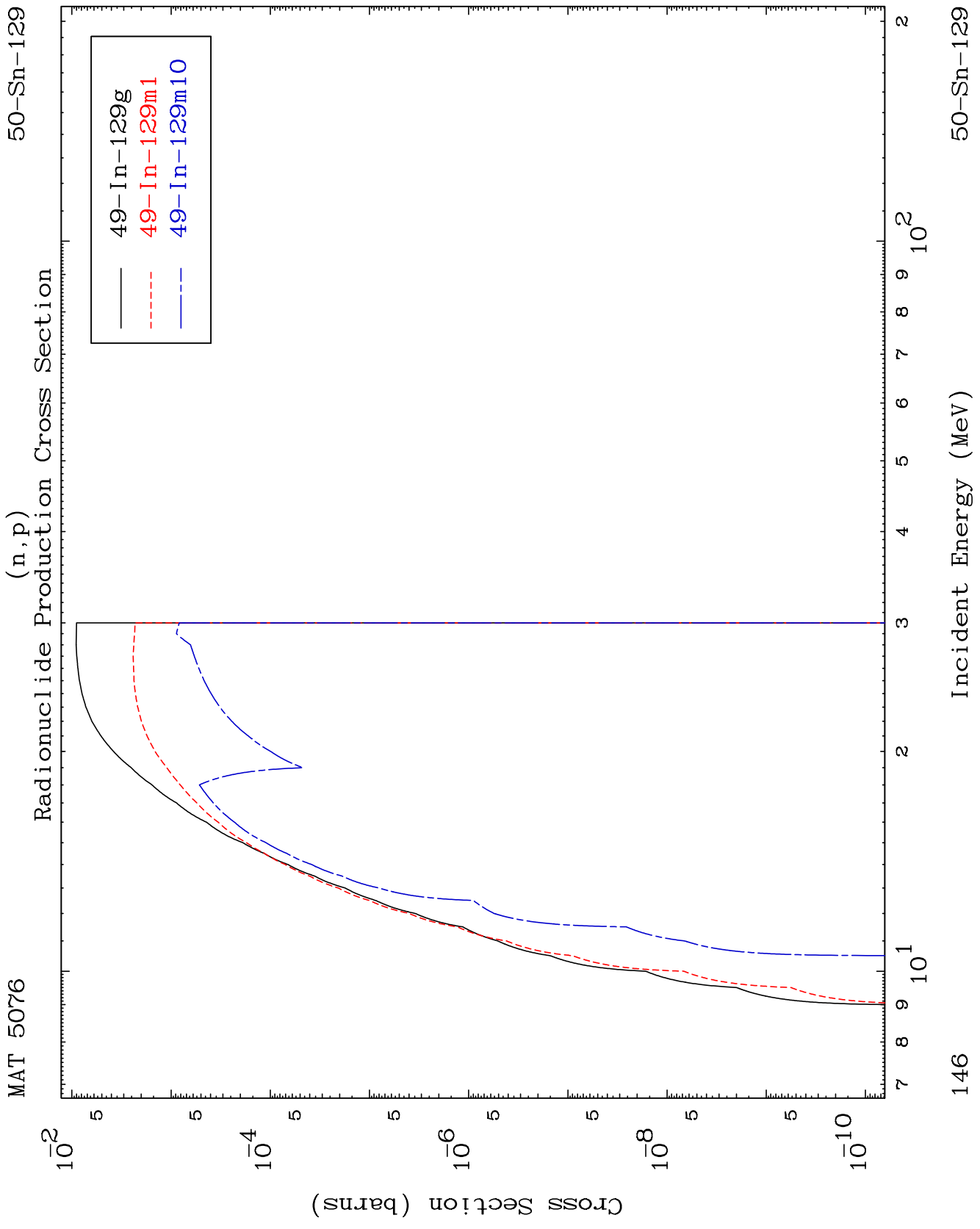
50-Sn-129

Radionuclide Production Cross Section
(n, γ)



145

50-Sn-129

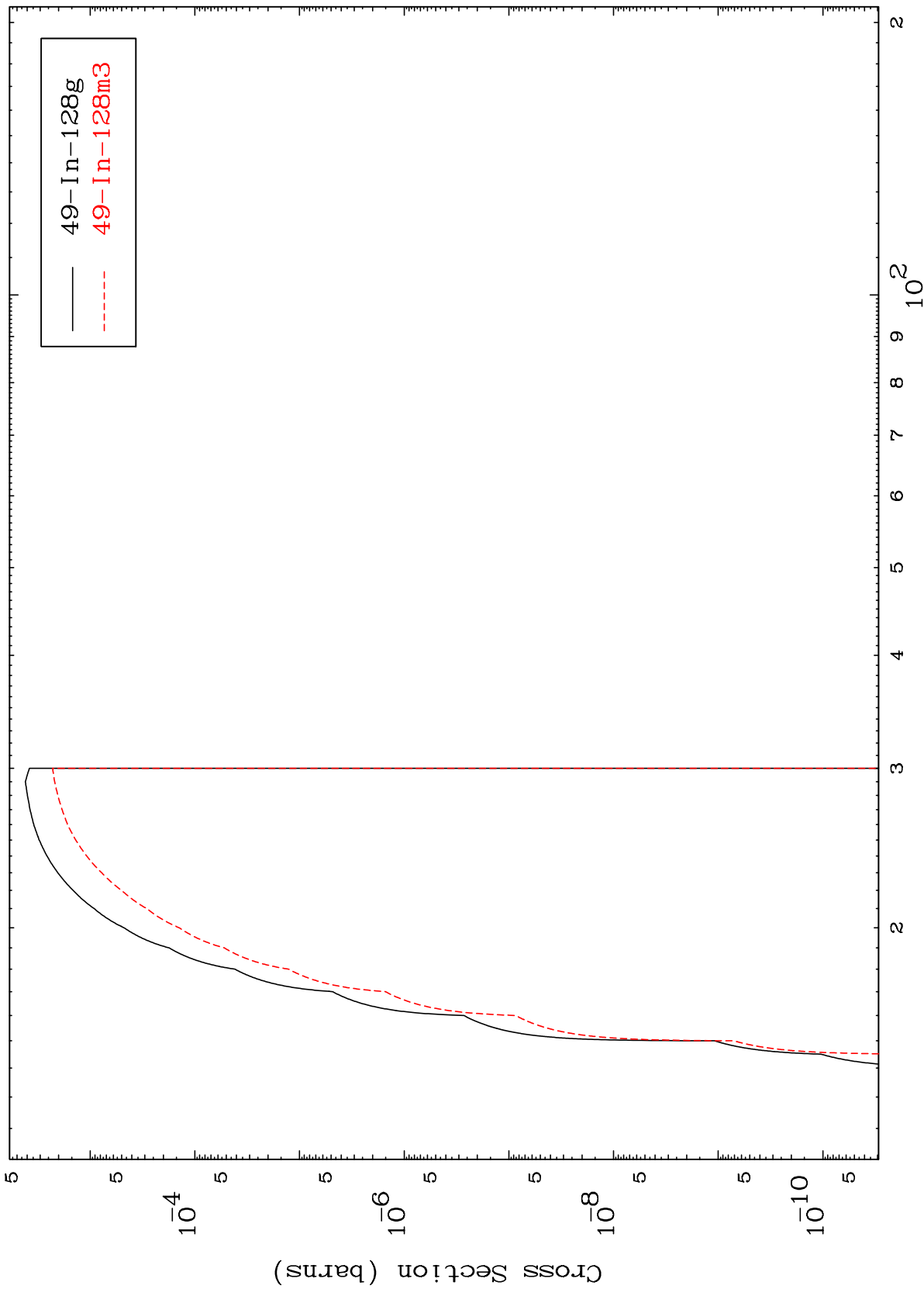


MAT 5076

(n,d)

50-Sn-129

Radionuclide Production Cross Section



147

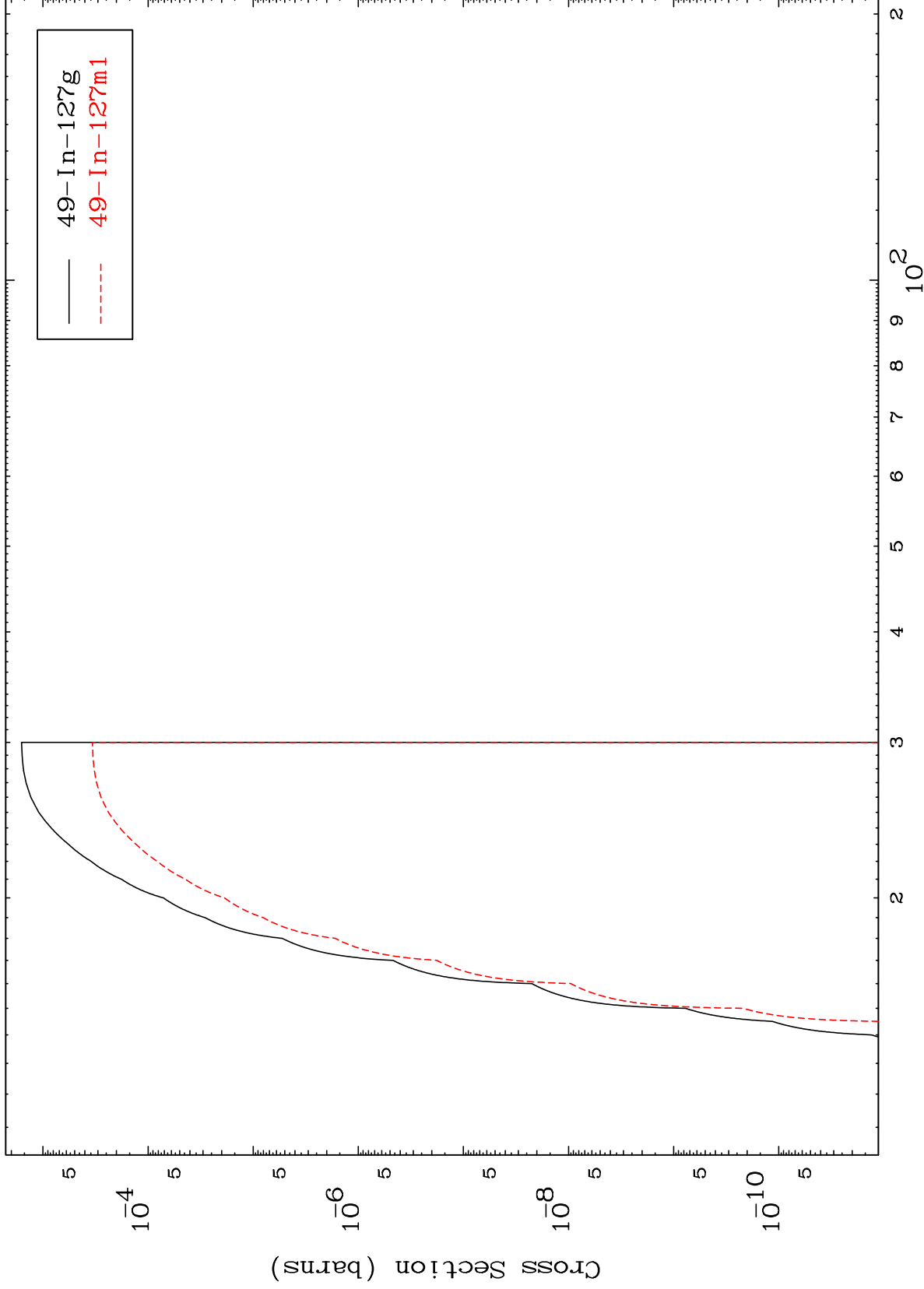
Incident Energy (MeV)

50-Sn-129

MAT 5076

50-Sn-129

(n,t)
Radionuclide Production Cross Section



148

Incident Energy (MeV)

50-Sn-129