

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

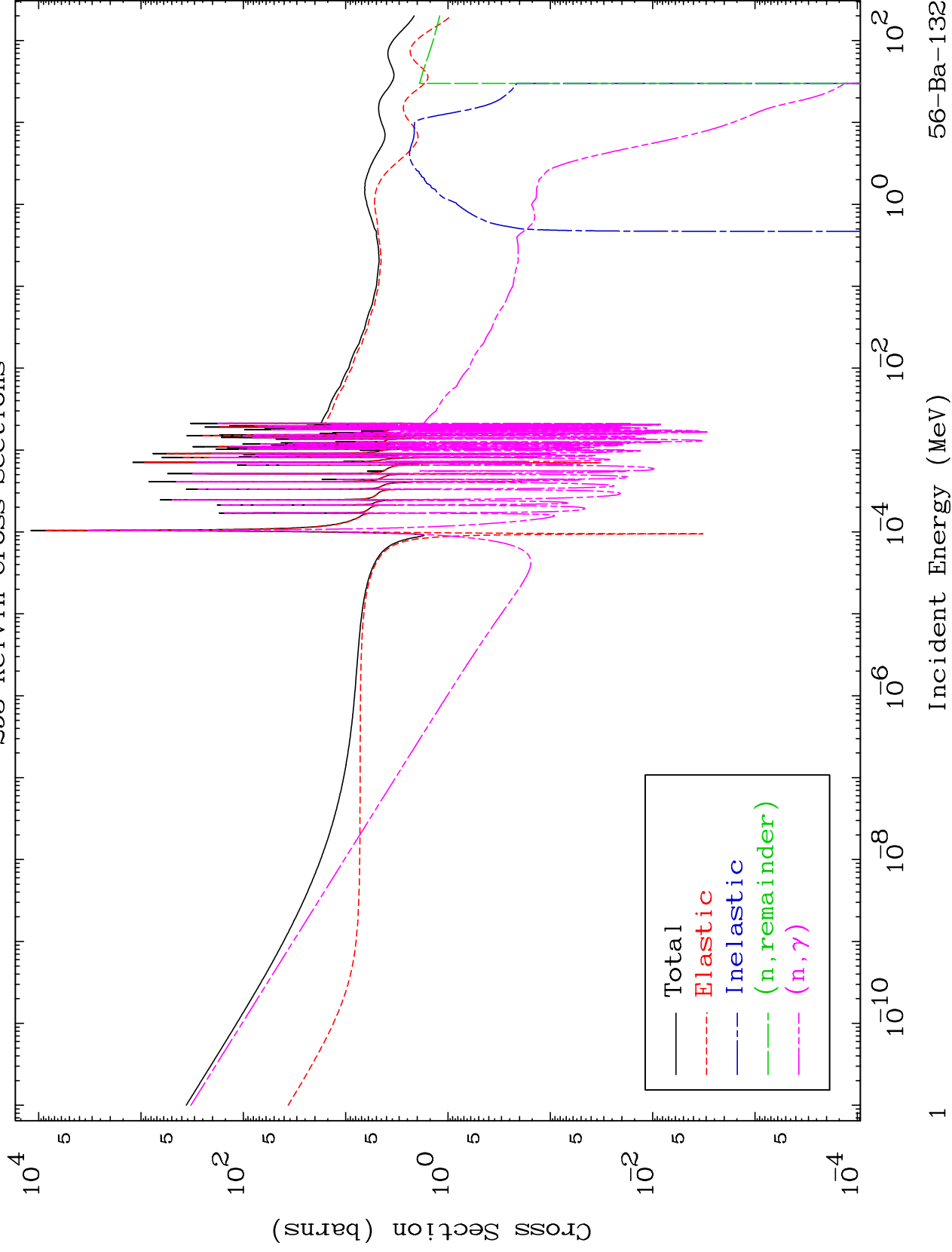
Press Mouse Button to Start

MAT 5631

Major

293 Kelvin Cross Sections

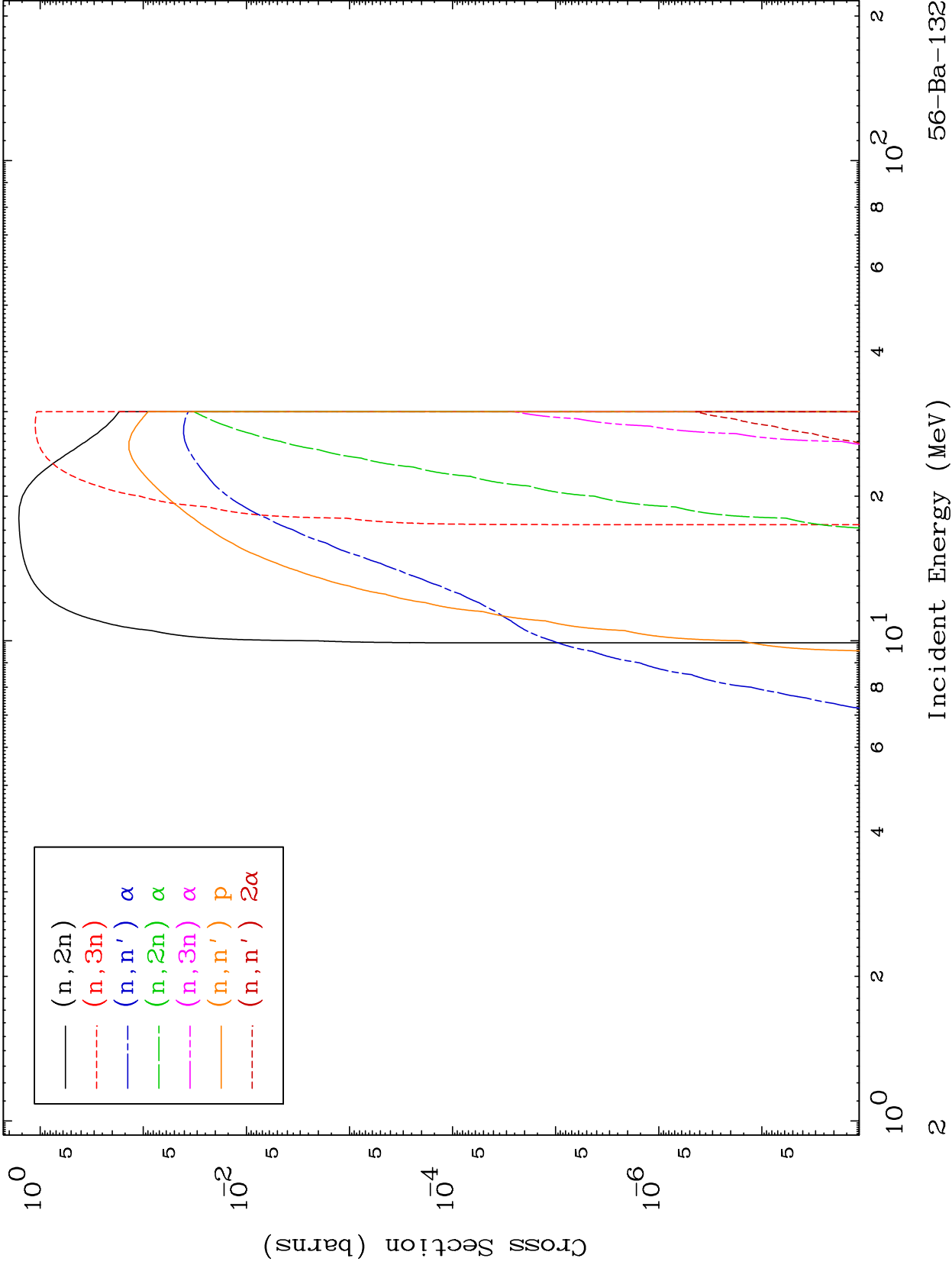
56-Ba-132



MAT 5631

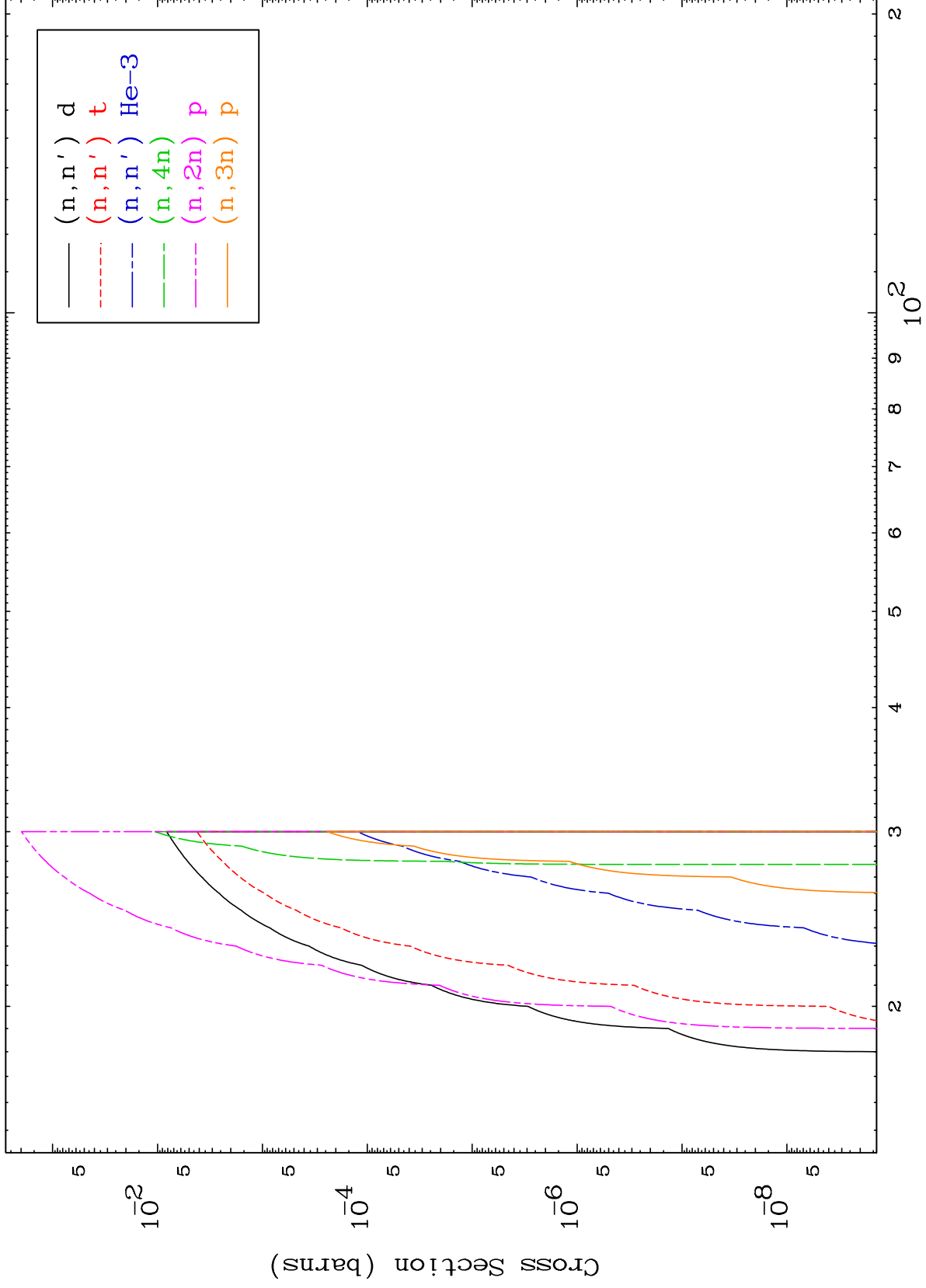
Neutron Production
293 Kelvin Cross Sections

56-Ba-132



56-Ba-132

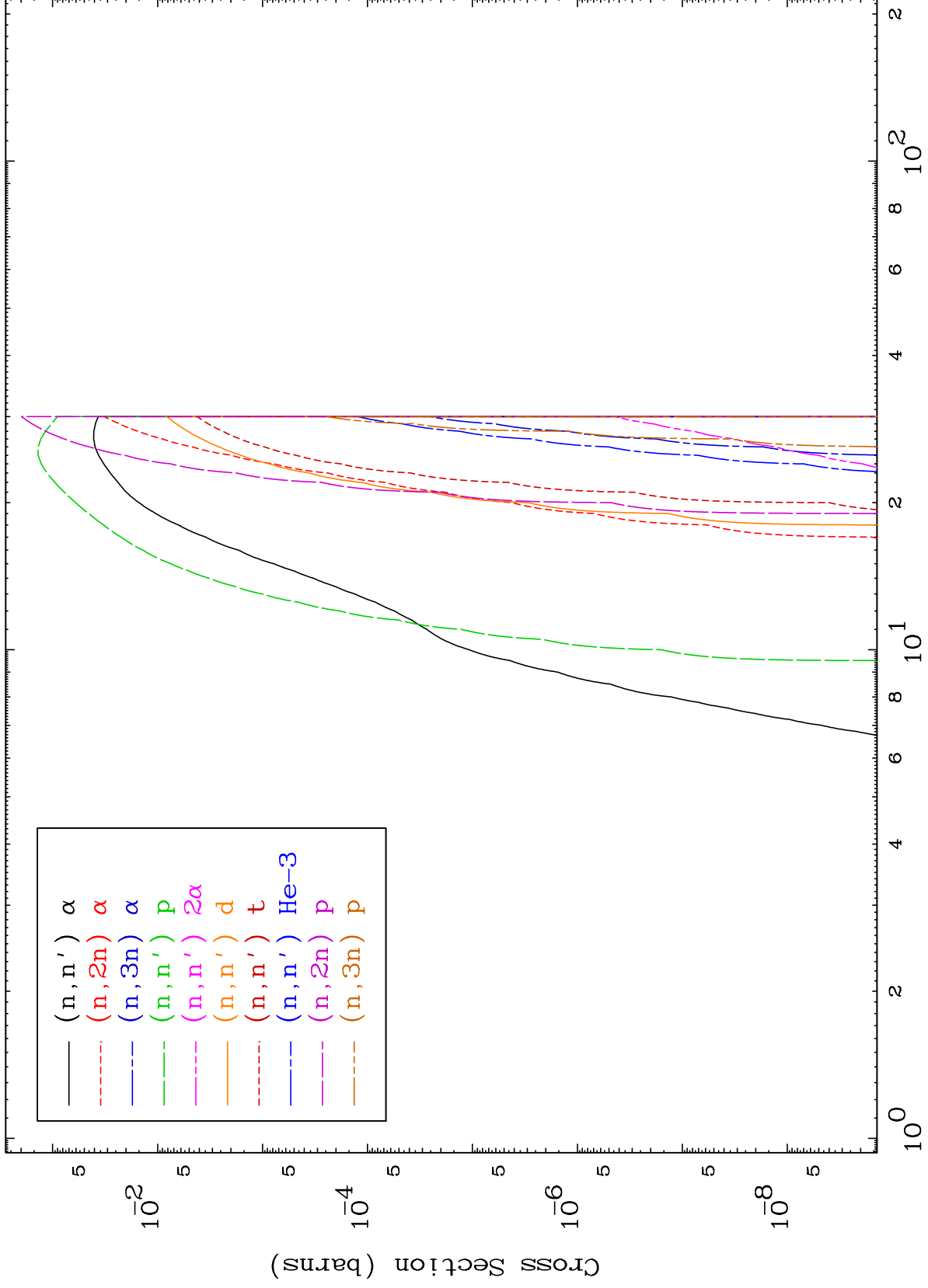
Incident Energy (MeV)



MAT 5631

Charged Particle
293 Kelvin Cross Sections

56-Ba-132



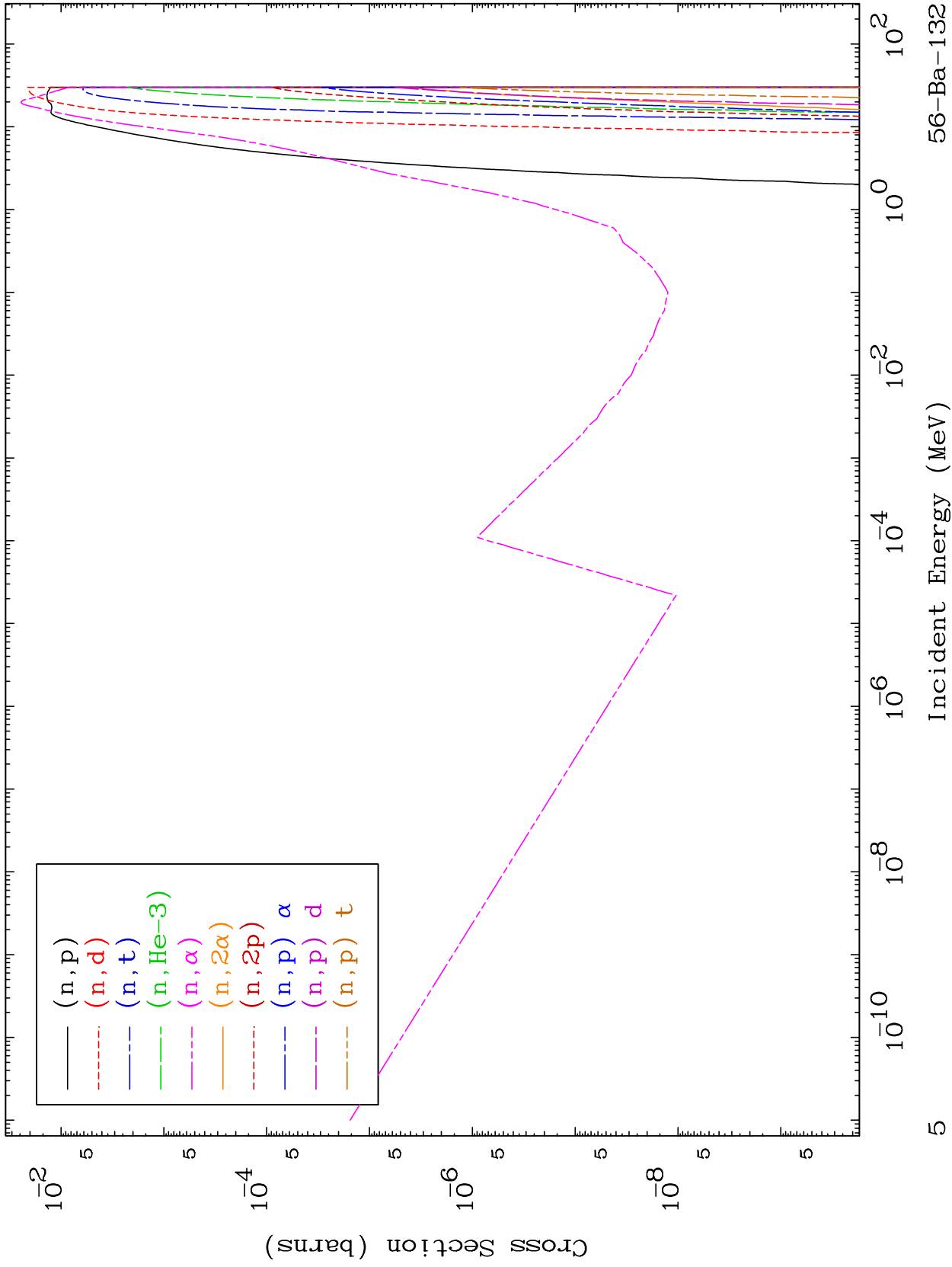
Incident Energy (MeV)

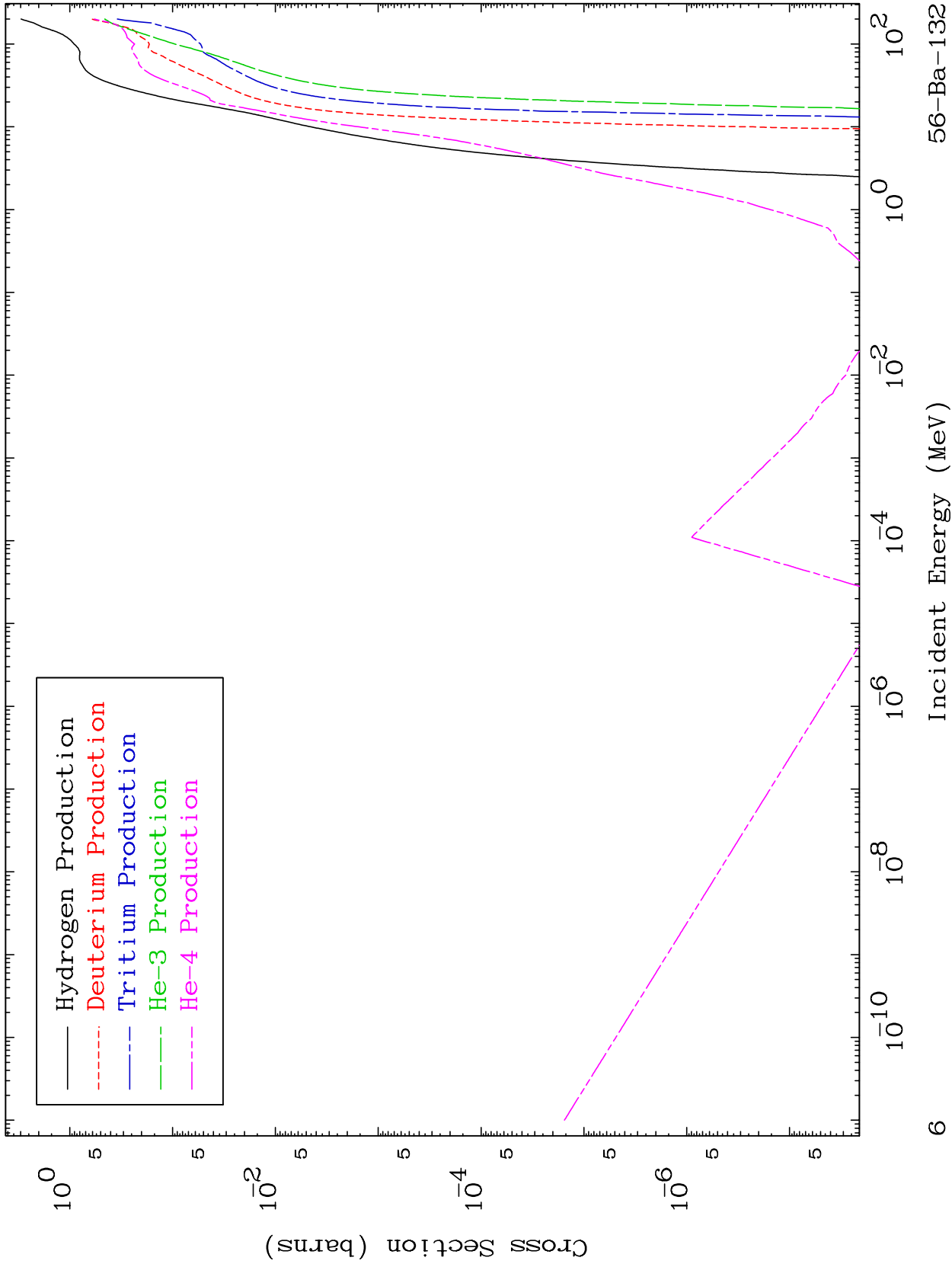
56-Ba-132

MAT 5631

Charged Particle
293 Kelvin Cross Sections

56-Ba-132



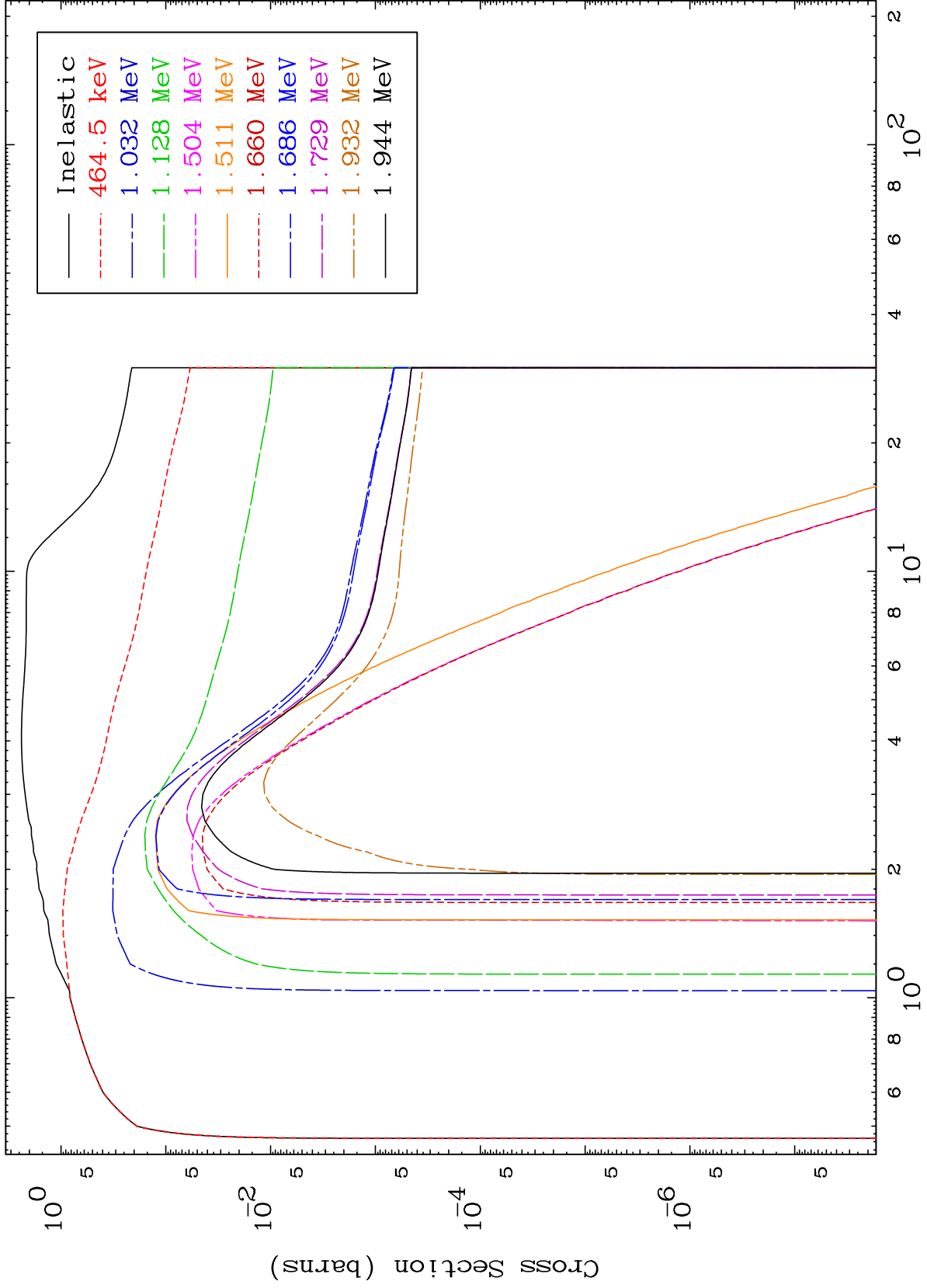


MAT 5631

(n,n') Level

56-Ba-132

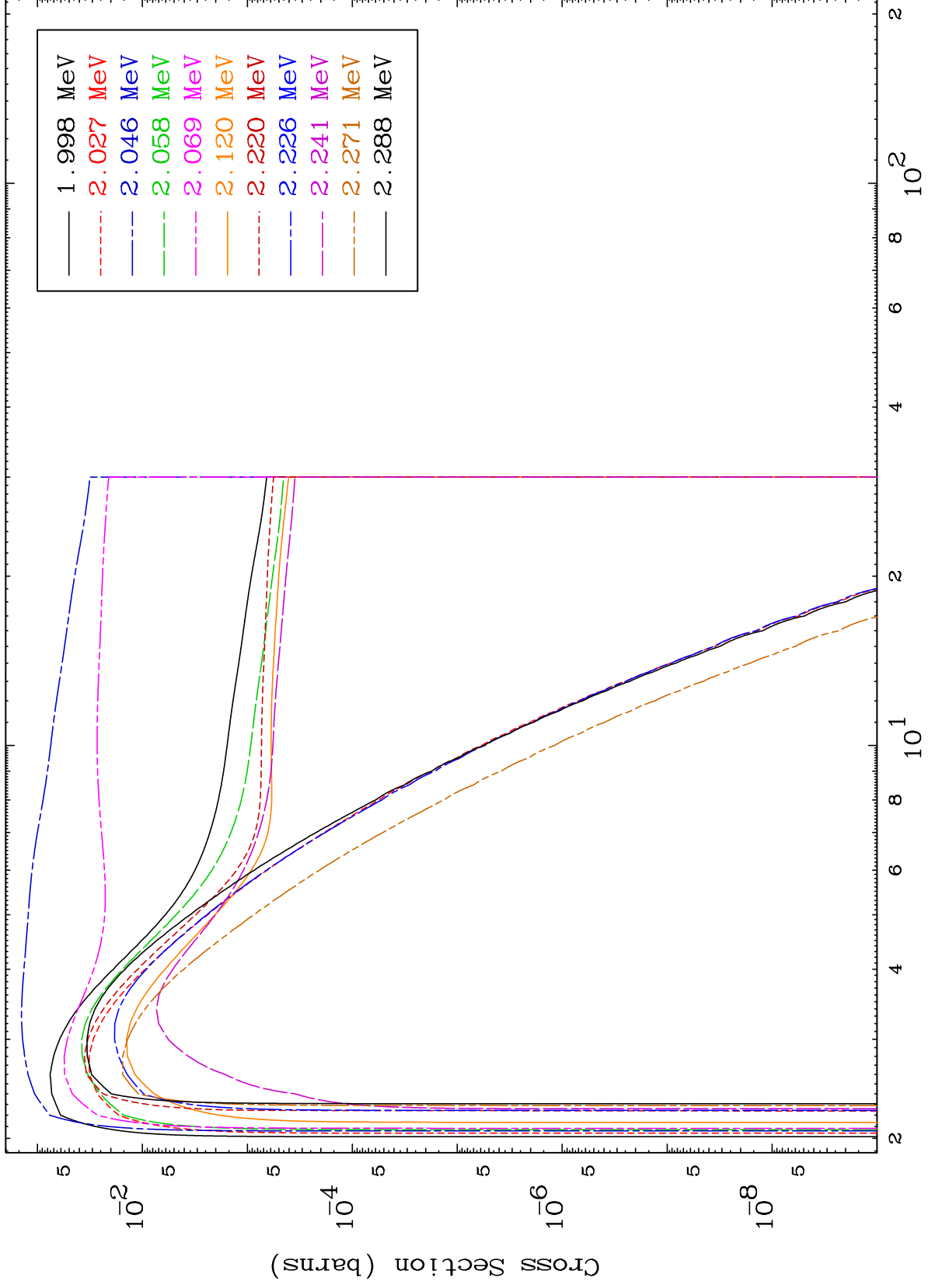
293 Kelvin Cross Sections



MAT 5631

(n,n') Level
293 Kelvin Cross Sections

56-Ba-132



8

Incident Energy (MeV)

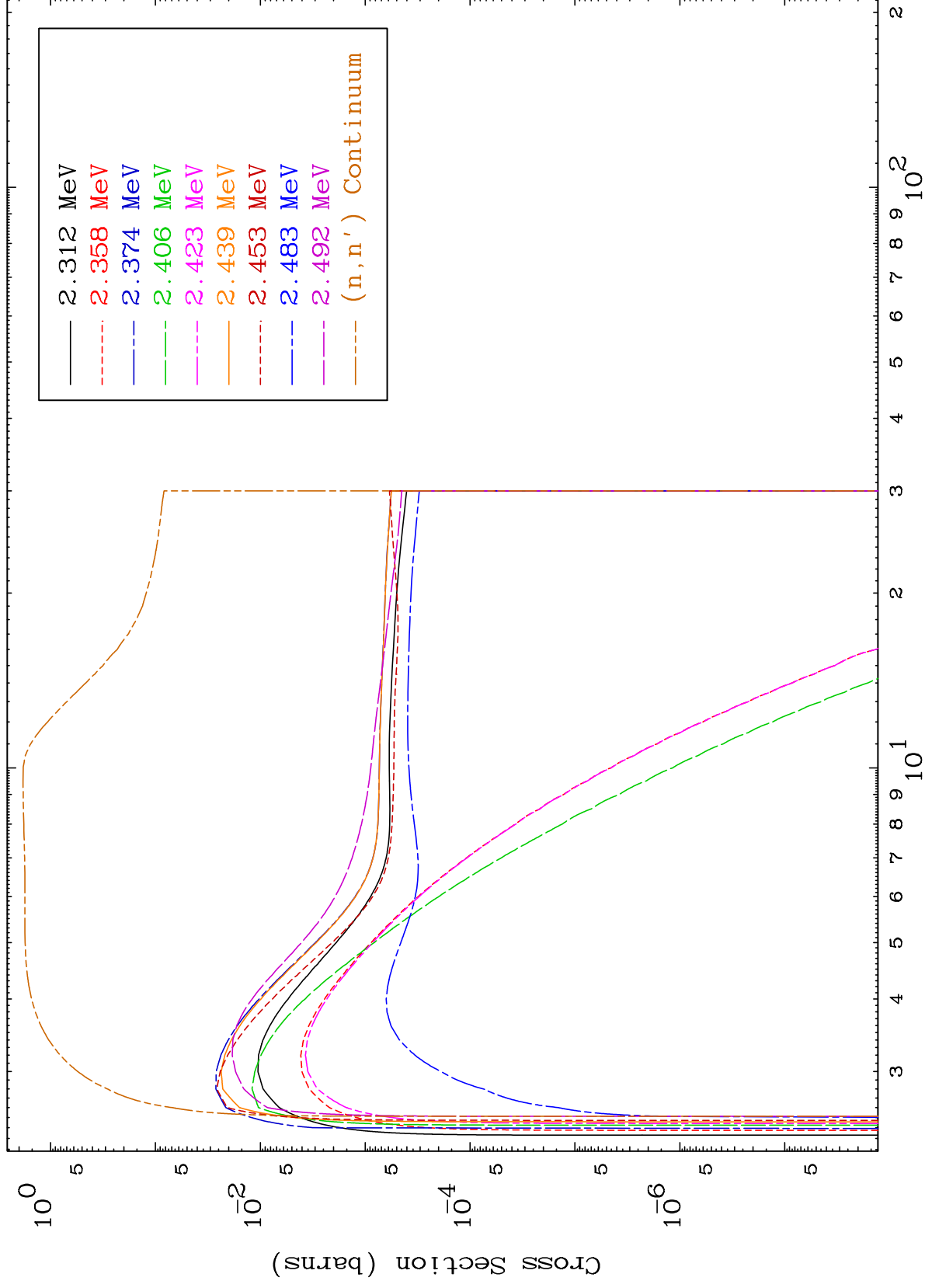
56-Ba-132

MAT 5631

(n,n') Level

56-Ba-132

293 Kelvin Cross Sections



9

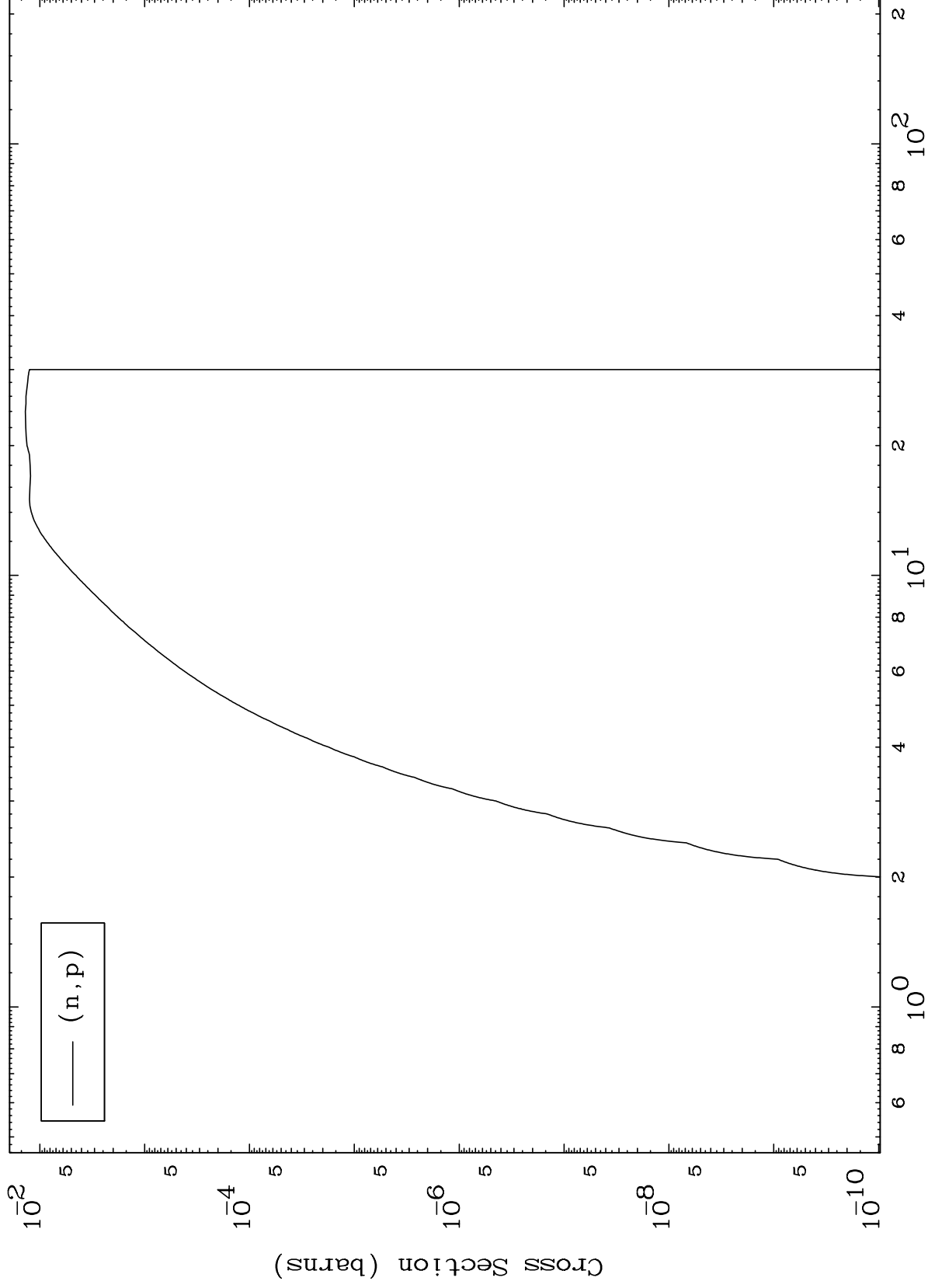
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-132



10

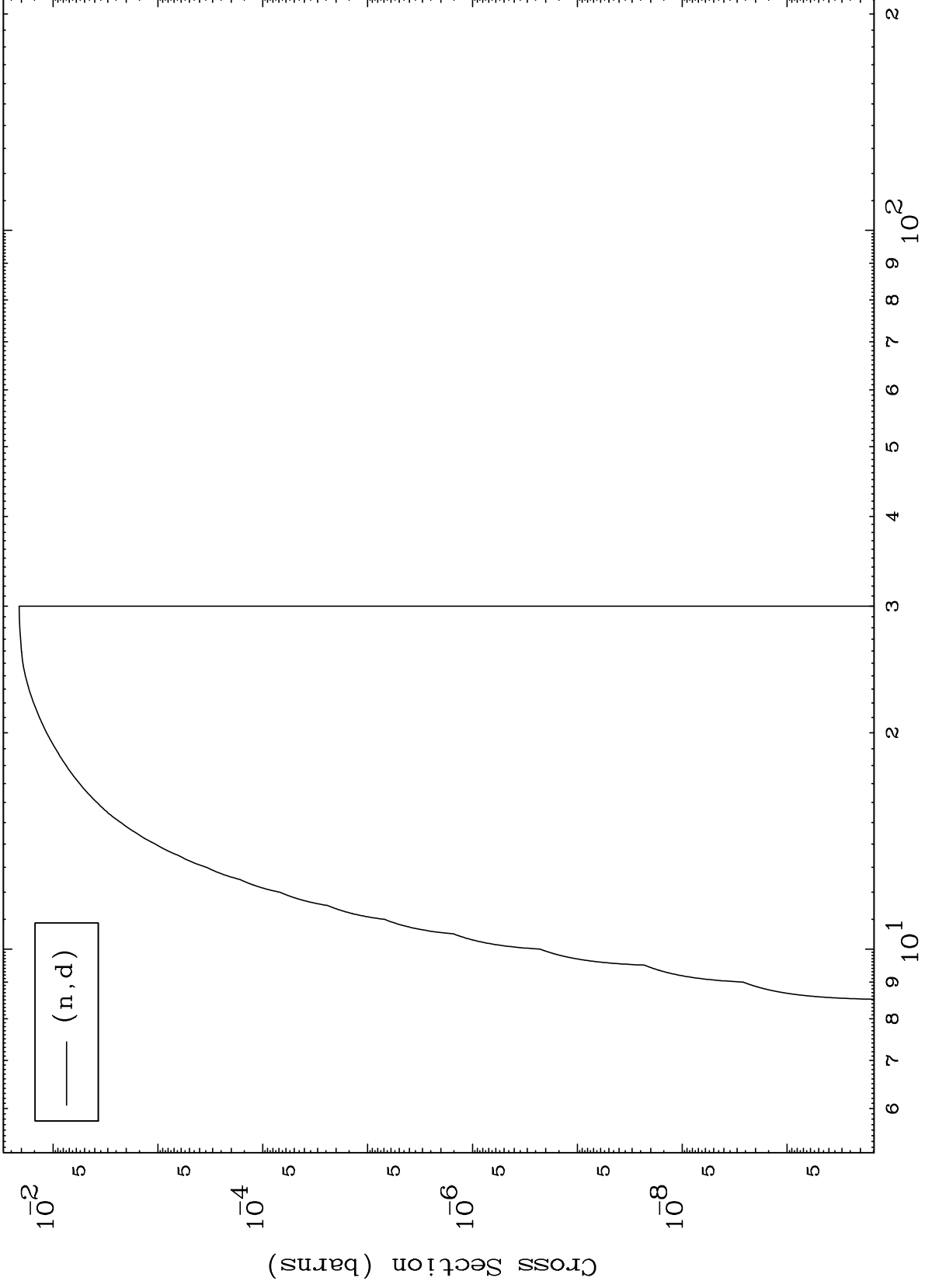
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,d) Levels
293 Kelvin Cross Sections

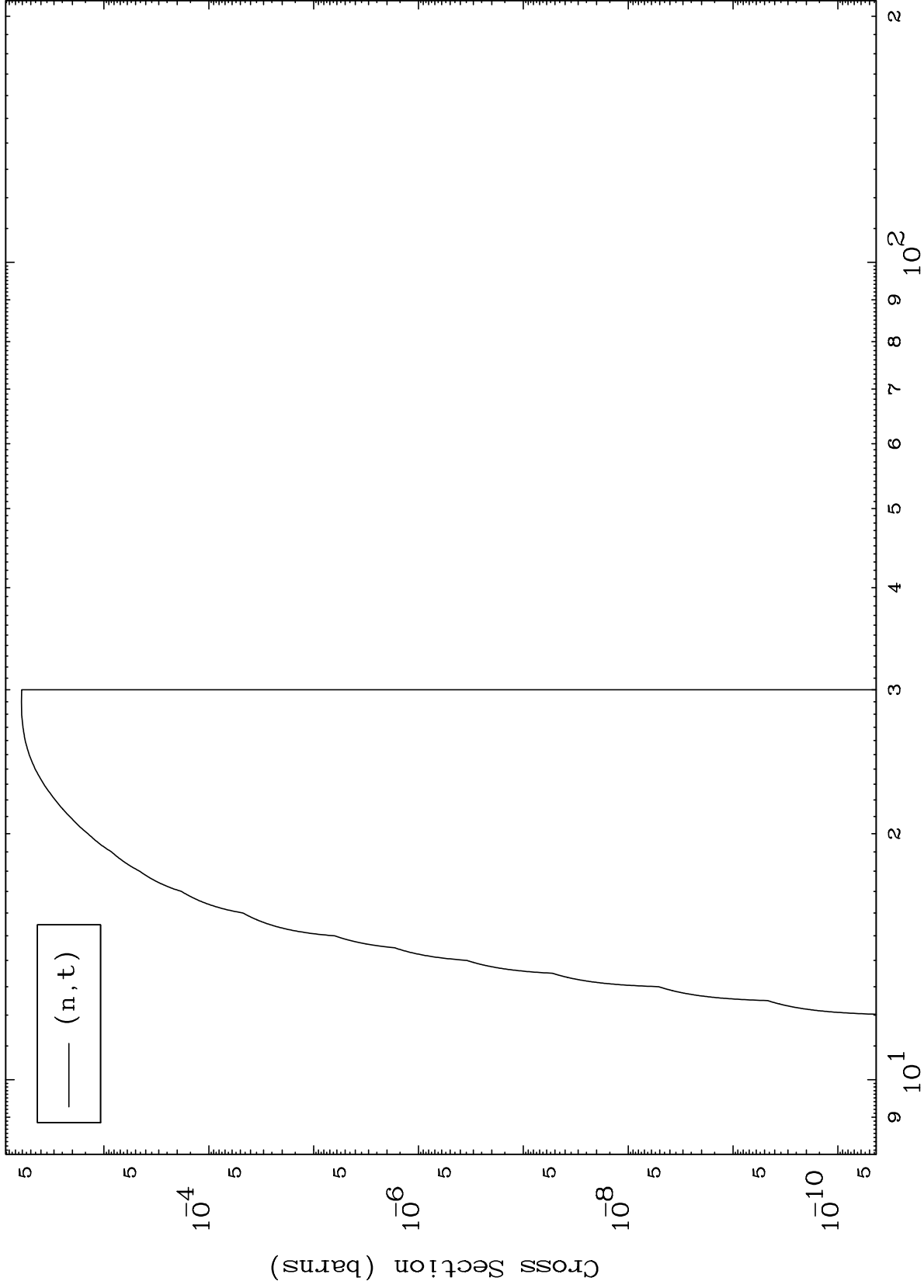
56-Ba-132



MAT 5631

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-132



12

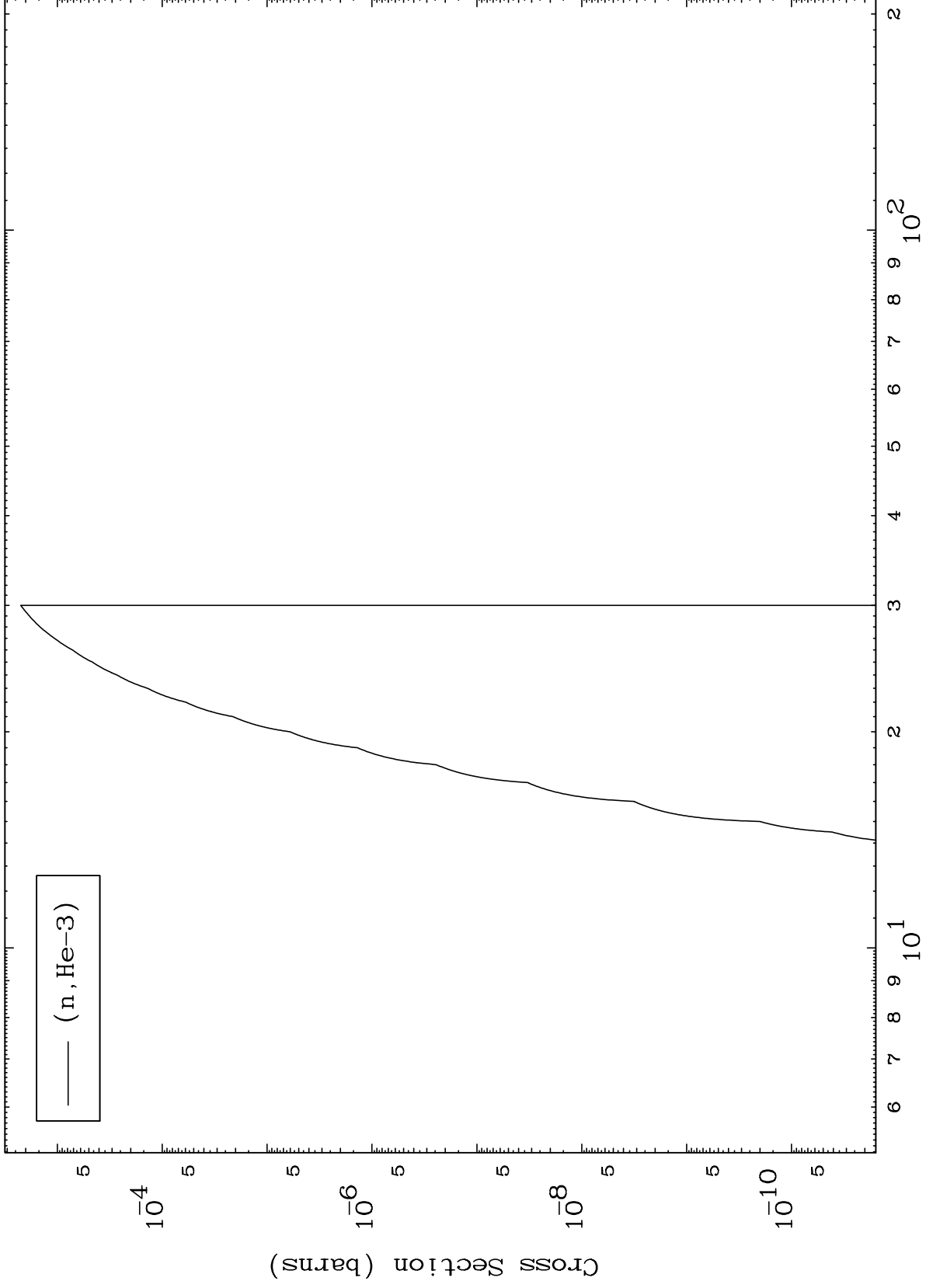
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-132



13

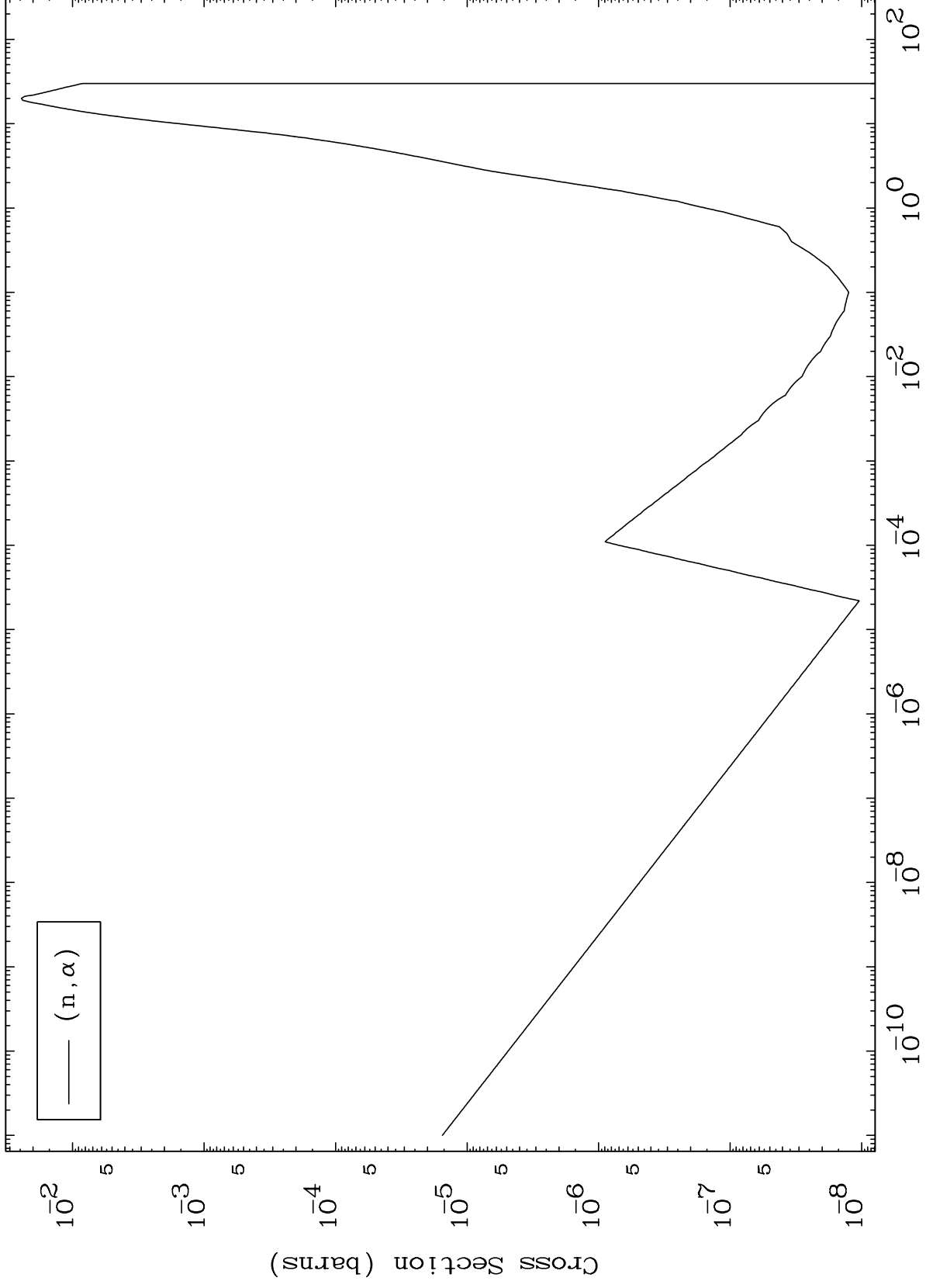
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n, α) Levels
293 Kelvin Cross Sections

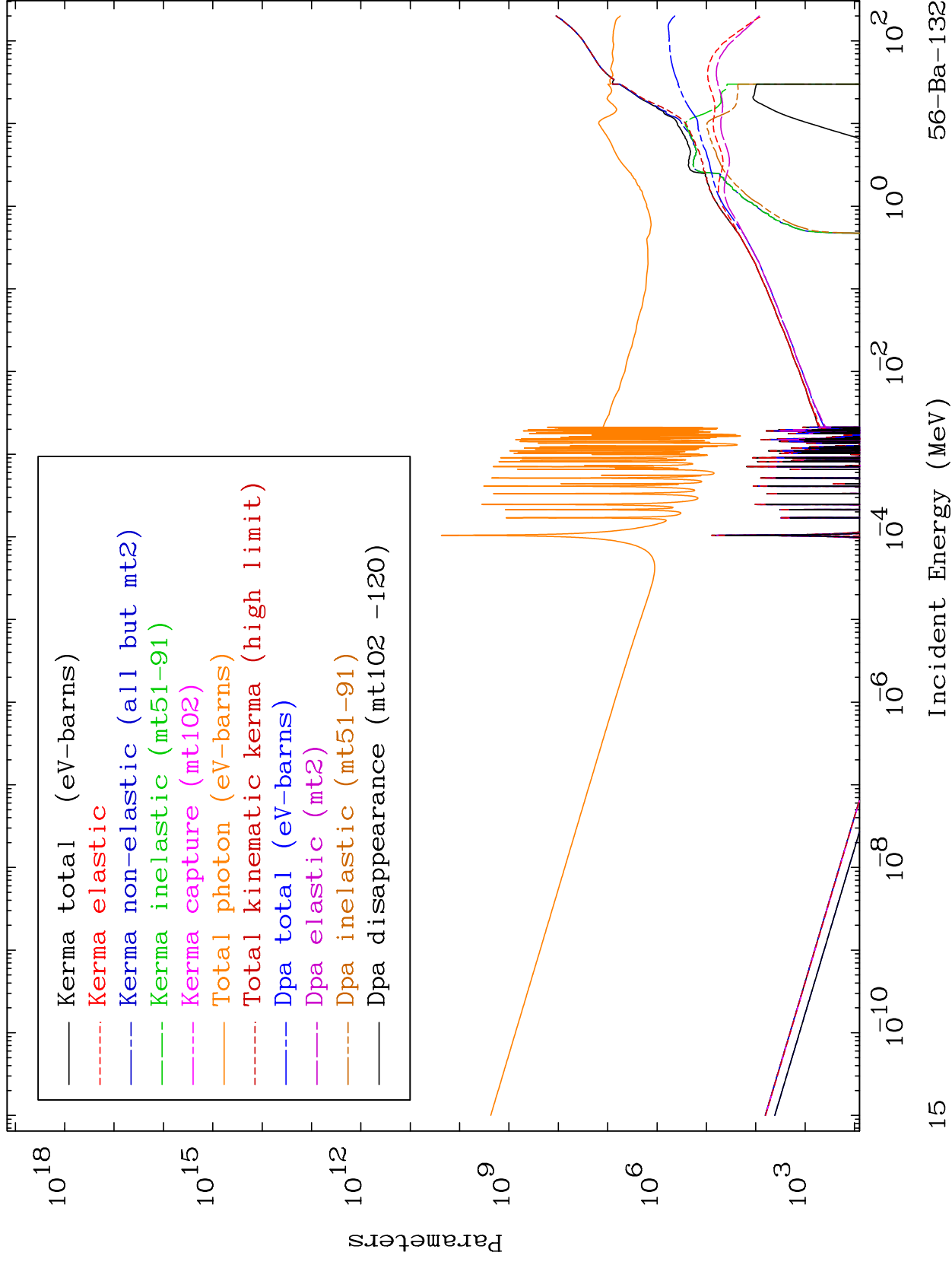
56-Ba-132



14

Incident Energy (MeV)

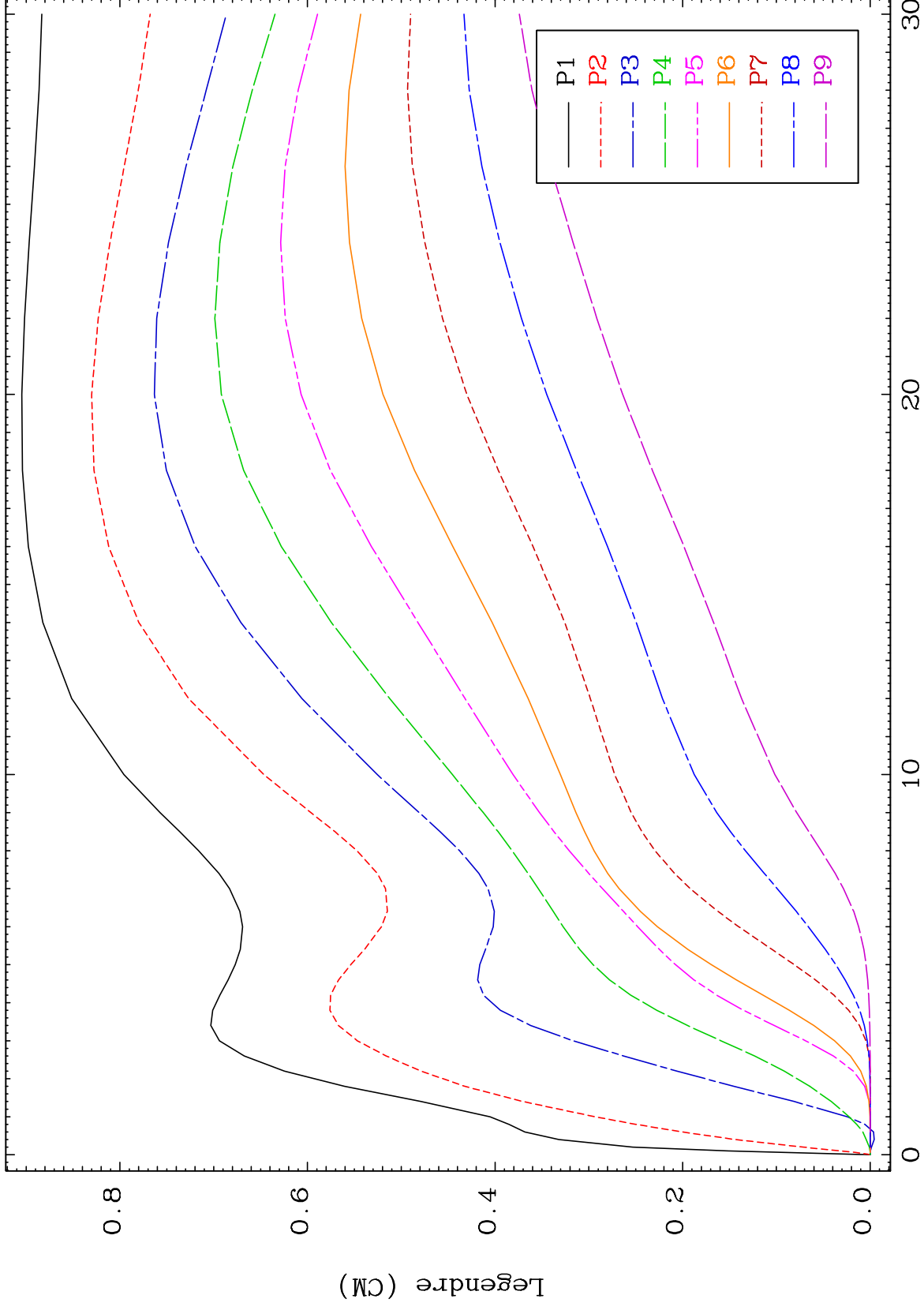
56-Ba-132



MAT 5631

Elastic Legendre Coefficients

56-Ba-132



16

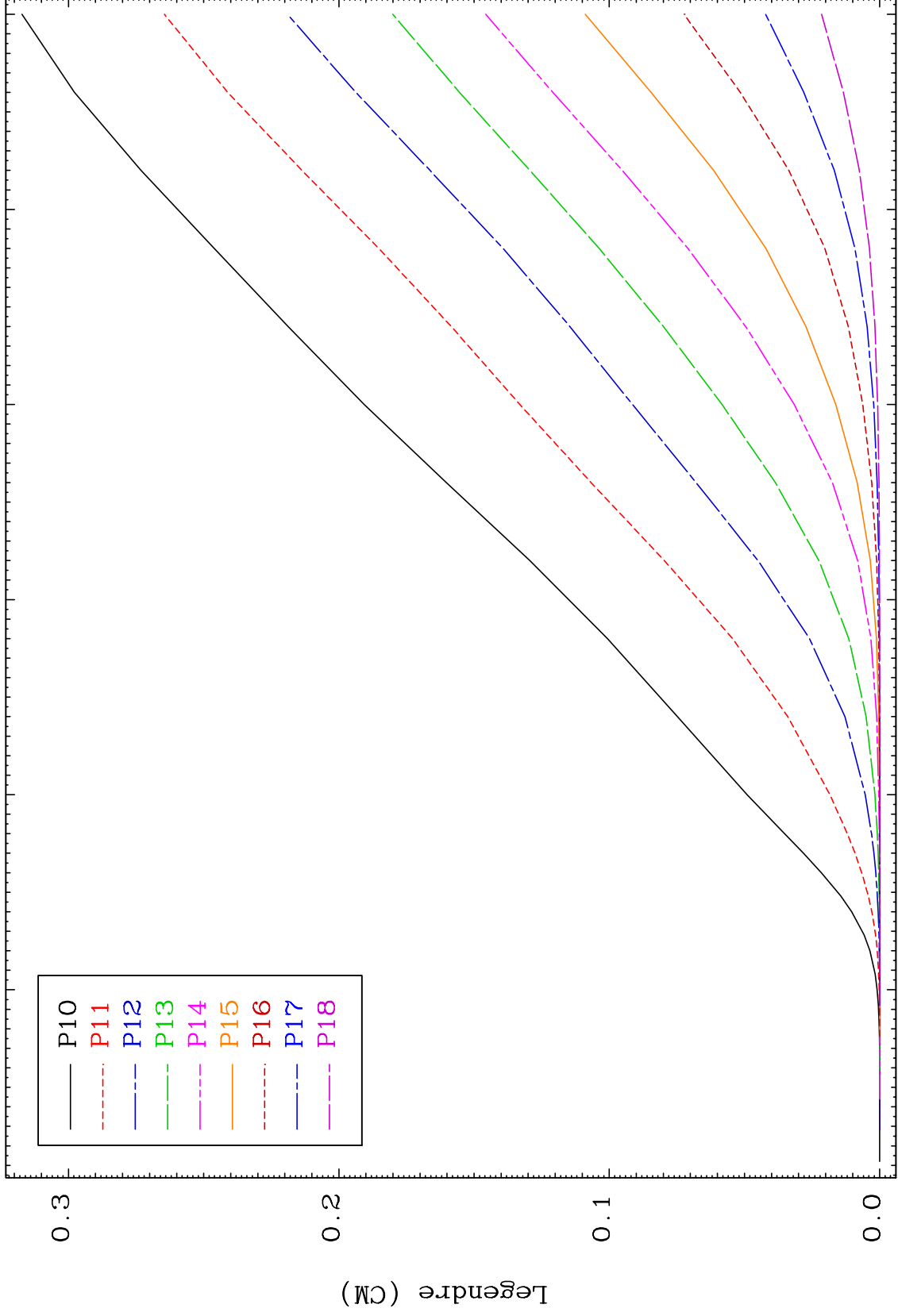
Incident Energy (MeV)

56-Ba-132

MAT 5631

Elastic Legendre Coefficients

56-Ba-132



17

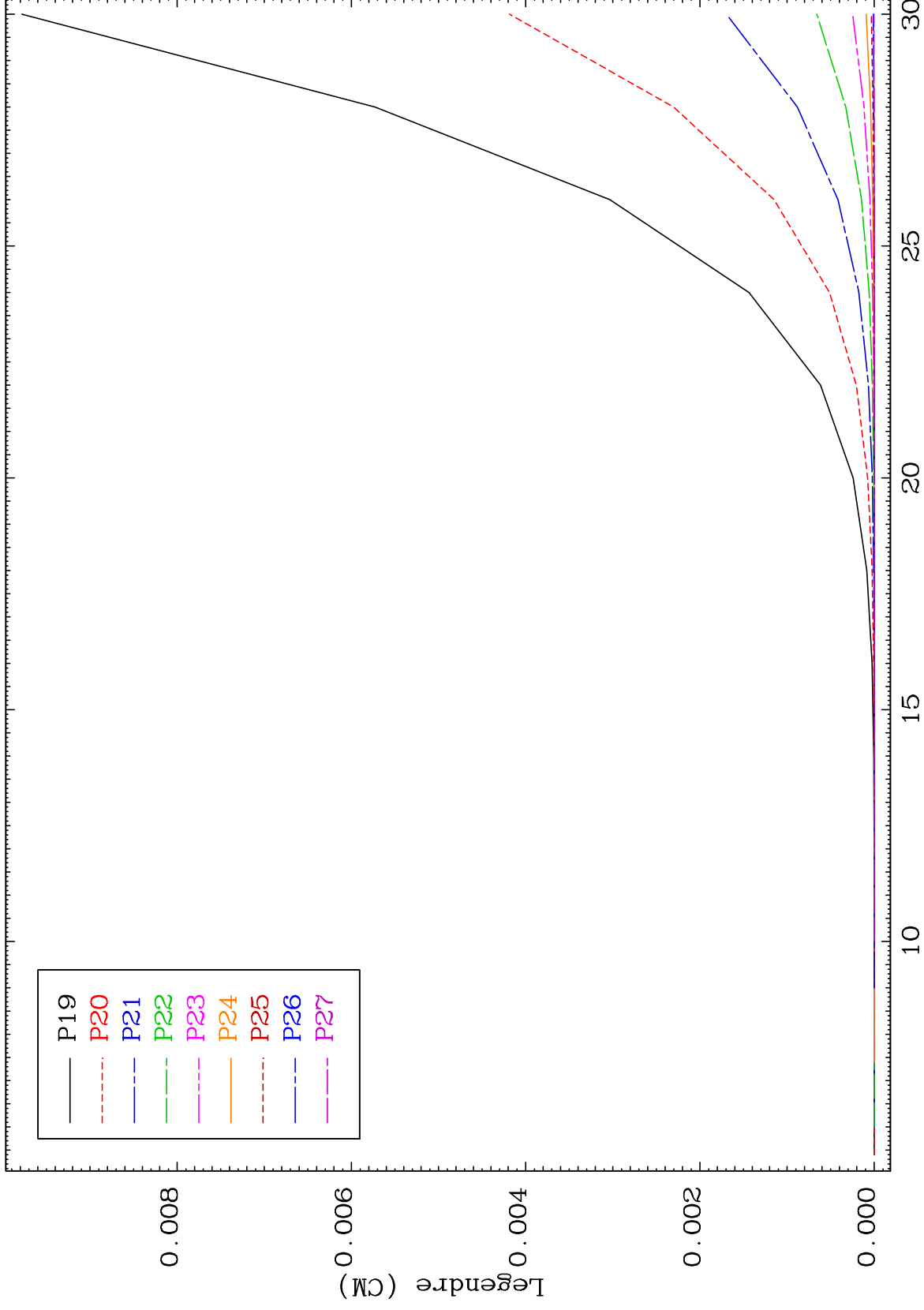
Incident Energy (MeV)

56-Ba-132

MAT 5631

Elastic Legendre Coefficients

56-Ba-132



18

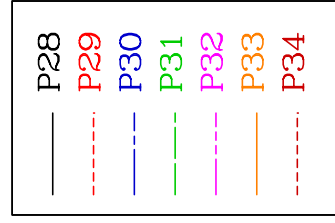
Incident Energy (MeV)

56-Ba-132

MAT 5631

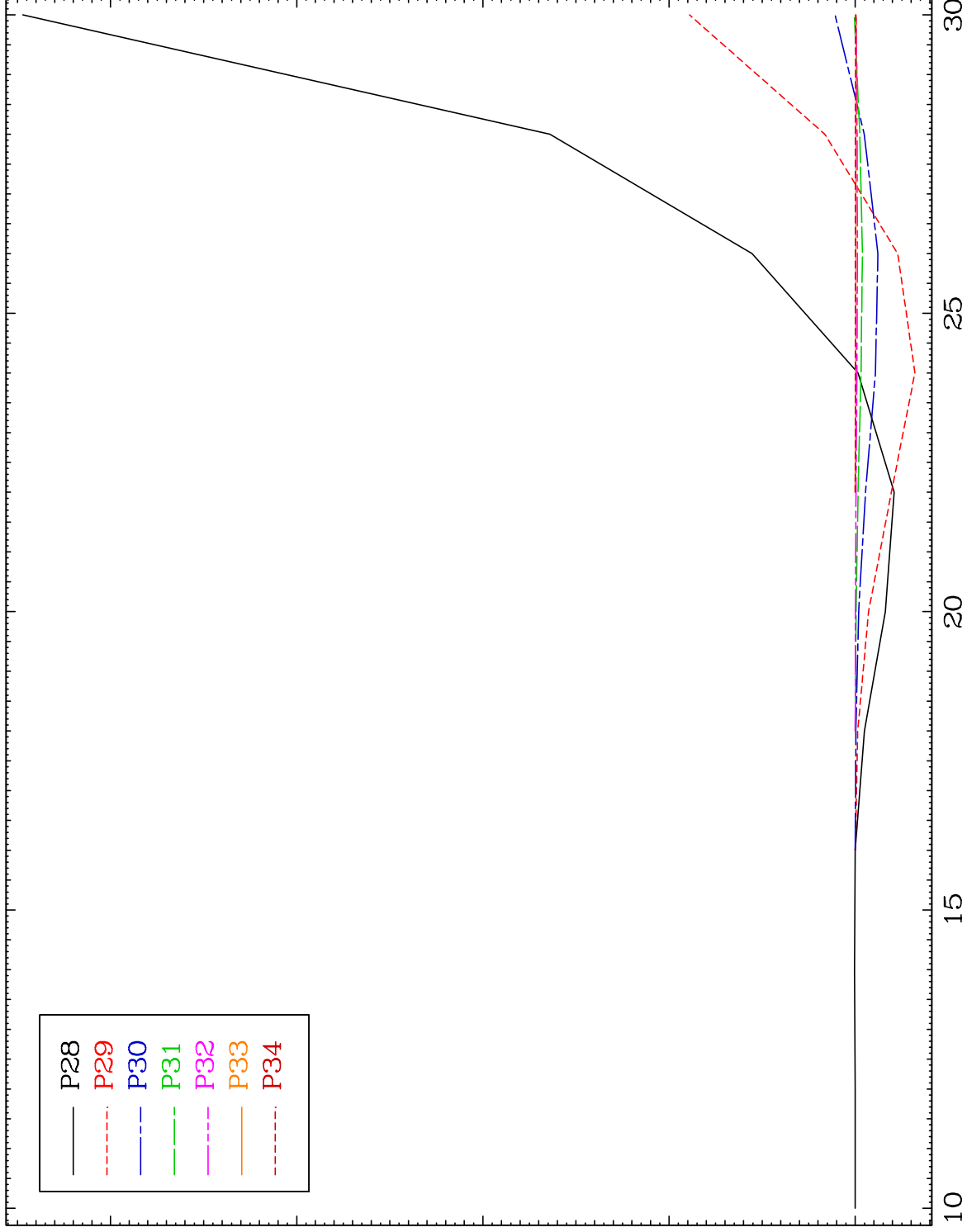
Elastic
Legendre Coefficients

56-Ba-132



$\times 10^{-7}$

Legendre (CM)



10

15

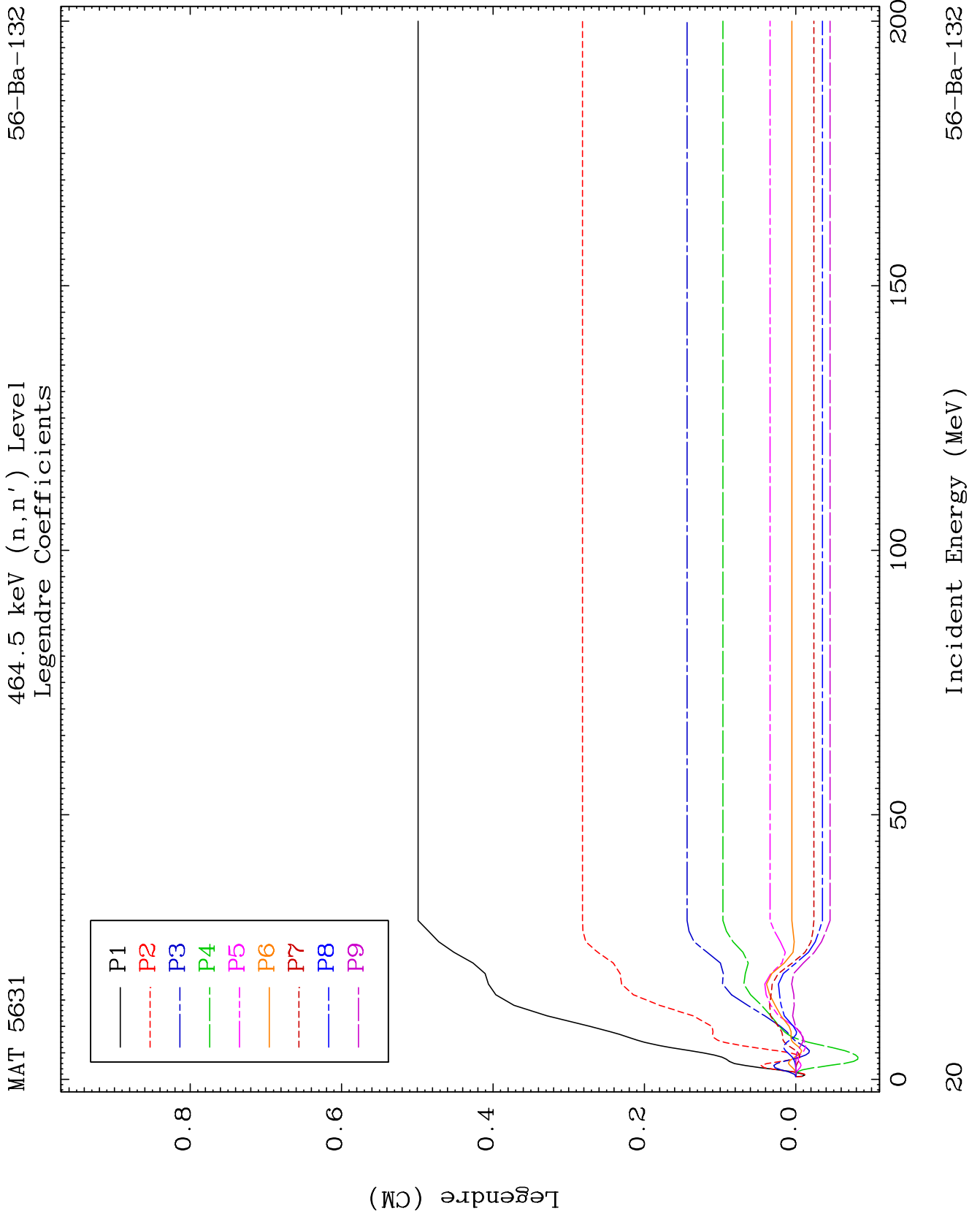
20

25

30

Incident Energy (MeV)

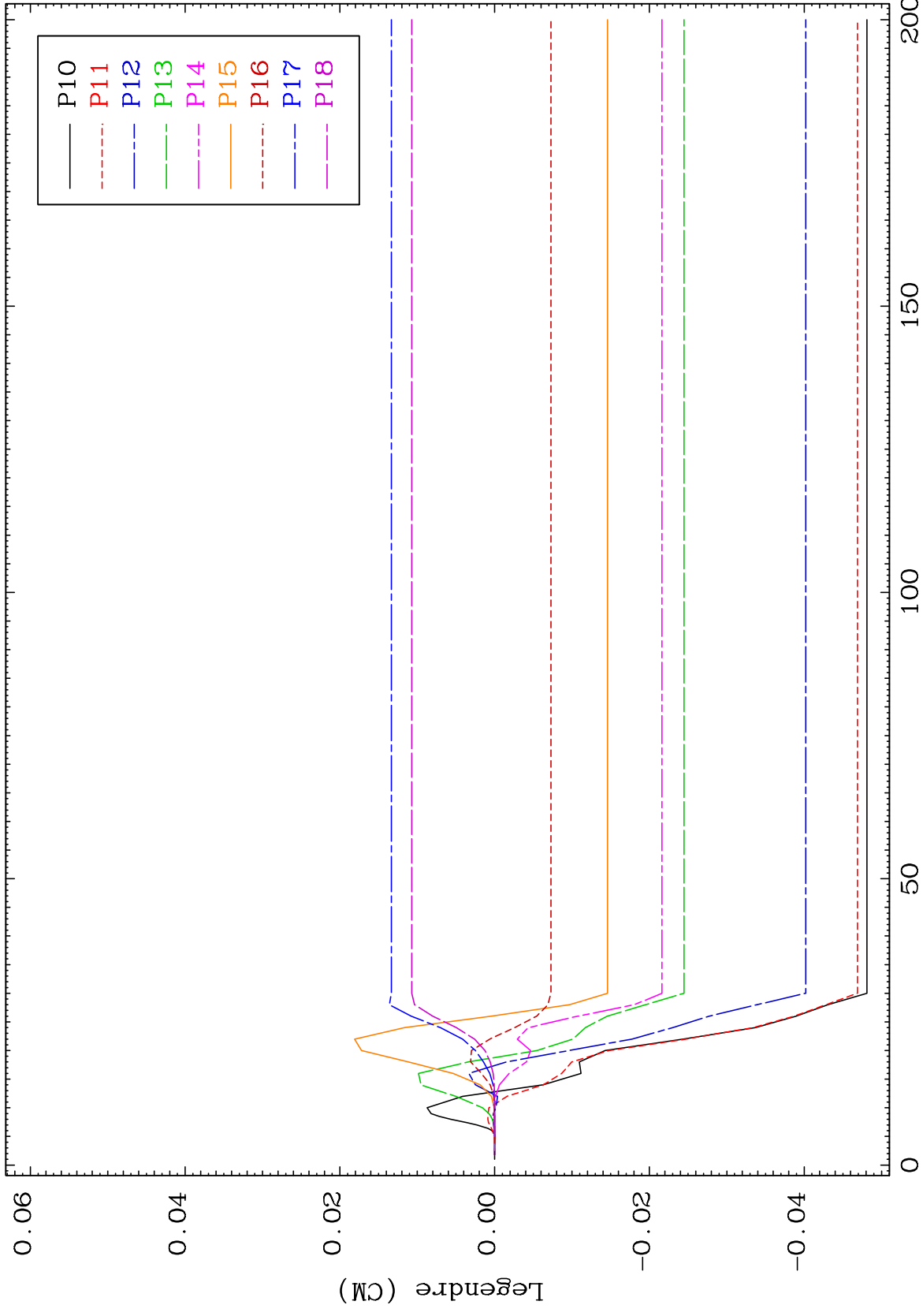
56-Ba-132



MAT 5631

464.5 keV (n,n') Level
Legendre Coefficients

56-Ba-132



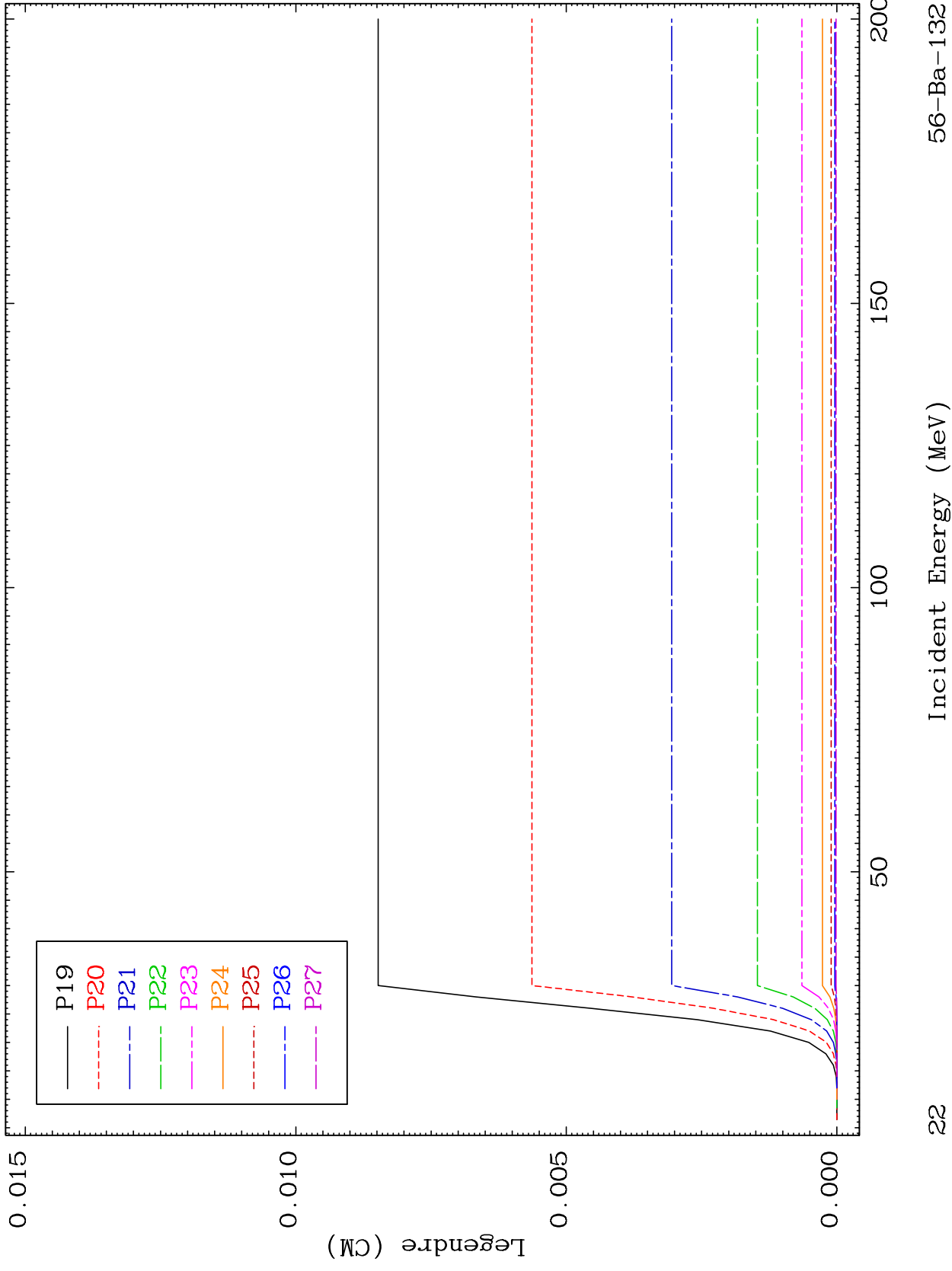
21

56-Ba-132

MAT 5631

464.5 keV (n,n') Level
Legendre Coefficients

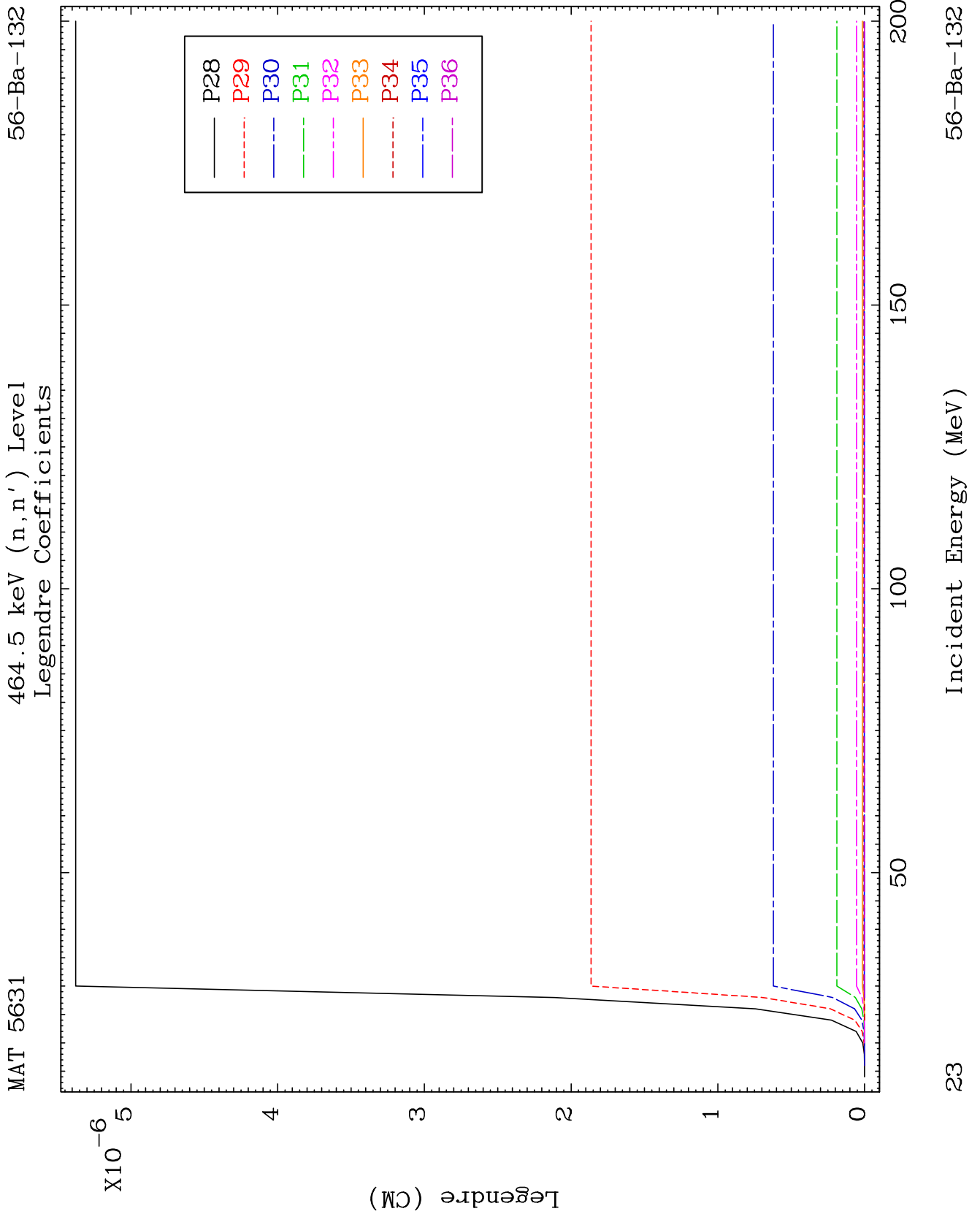
56-Ba-132

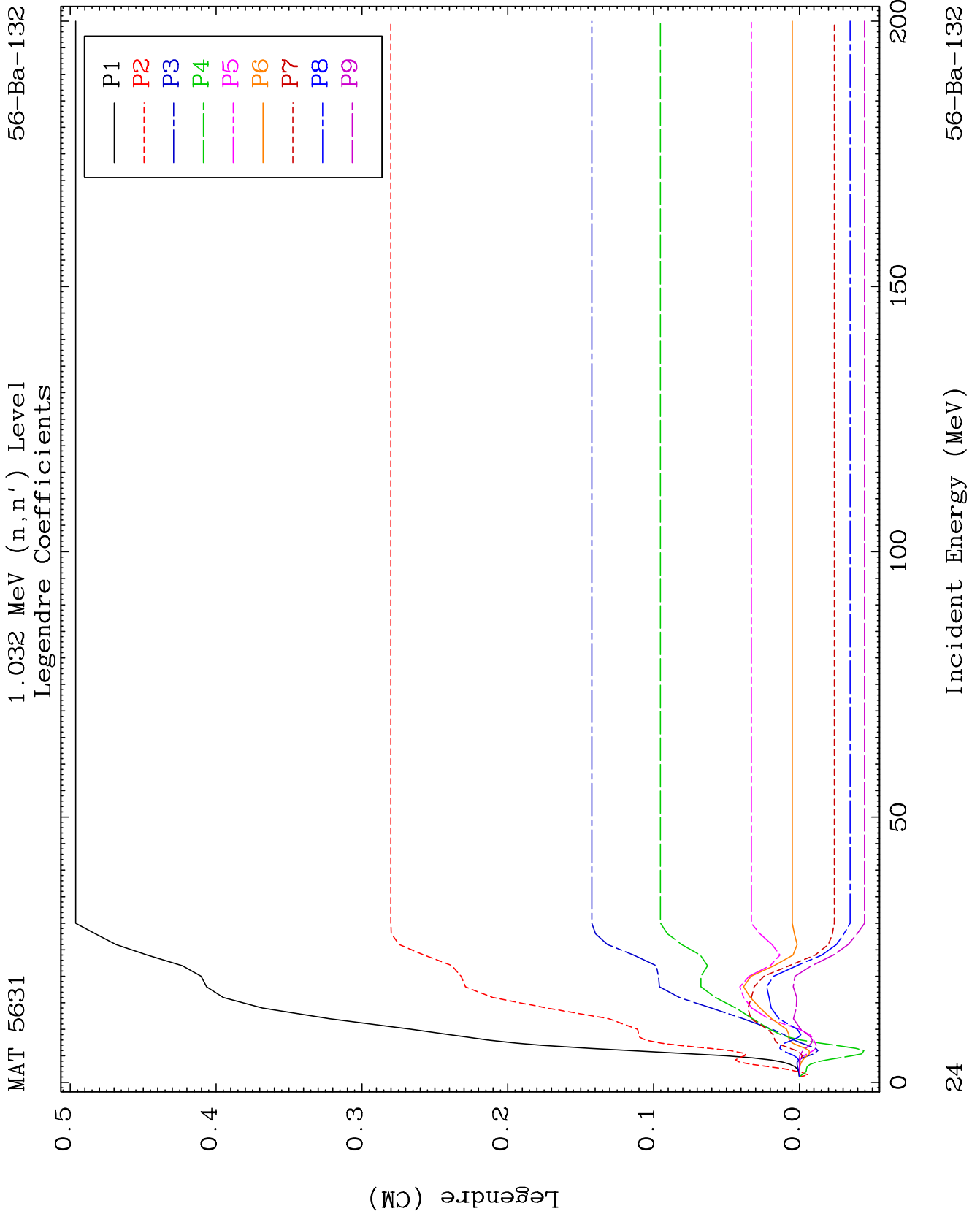


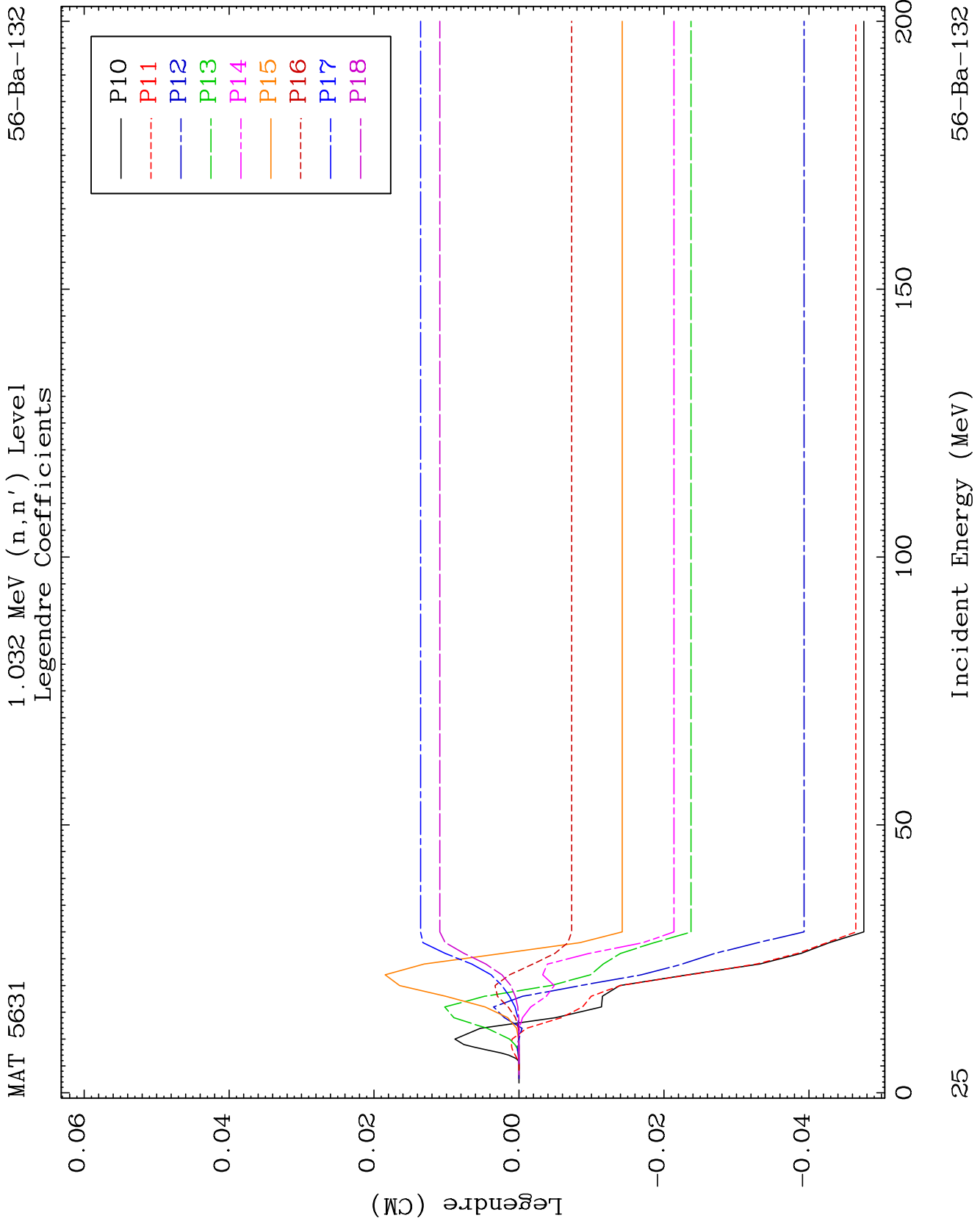
22

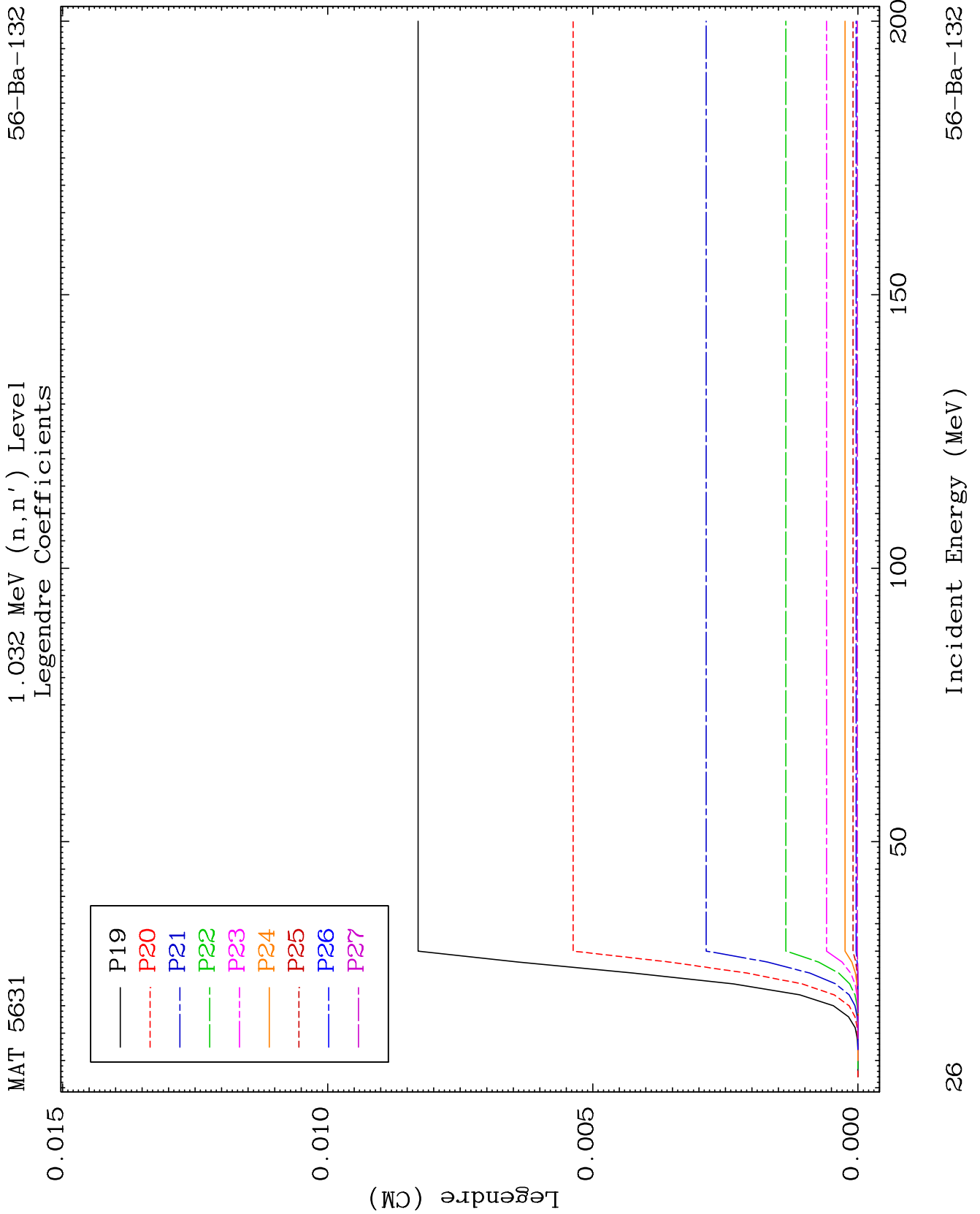
Incident Energy (MeV)

56-Ba-132





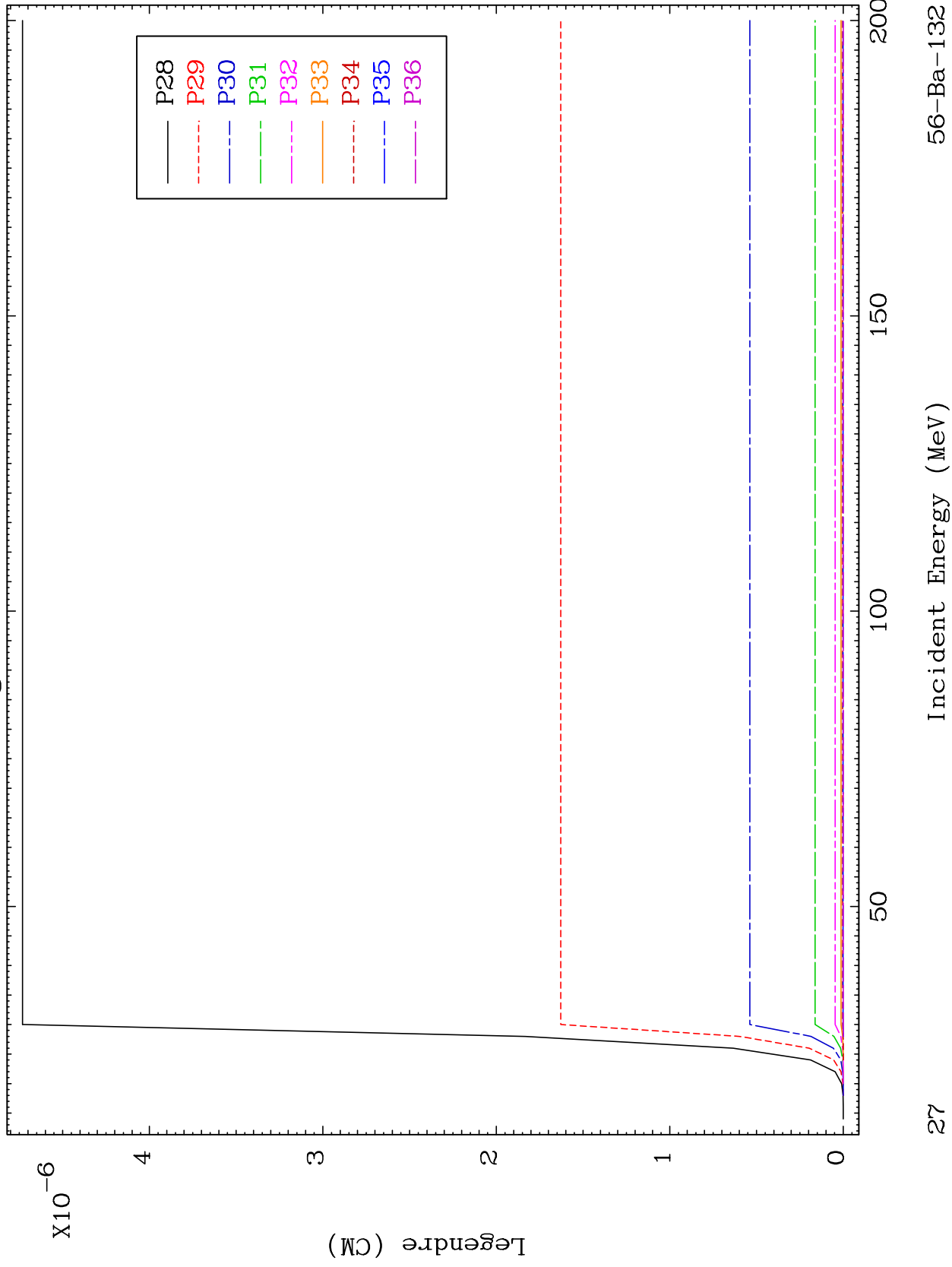


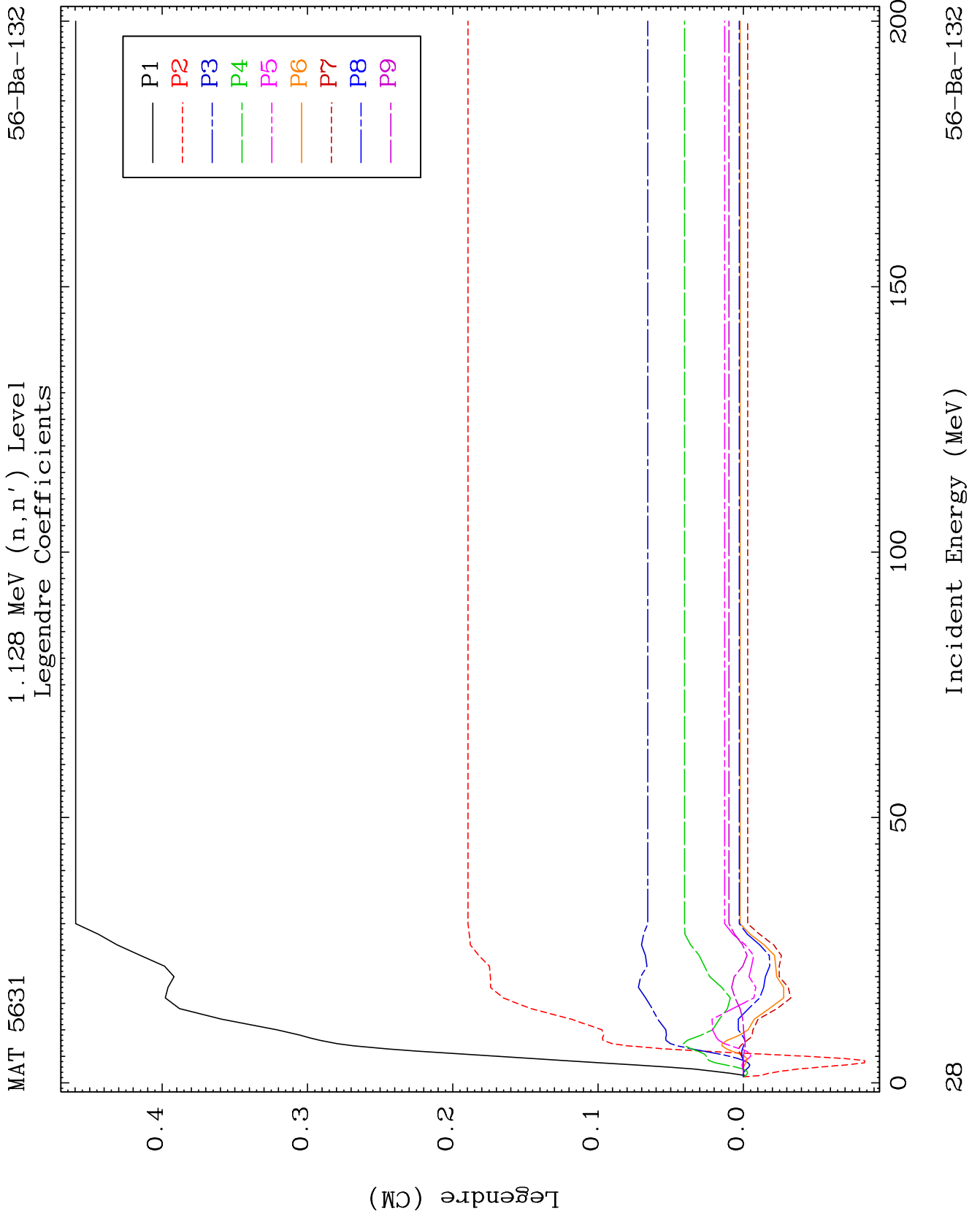


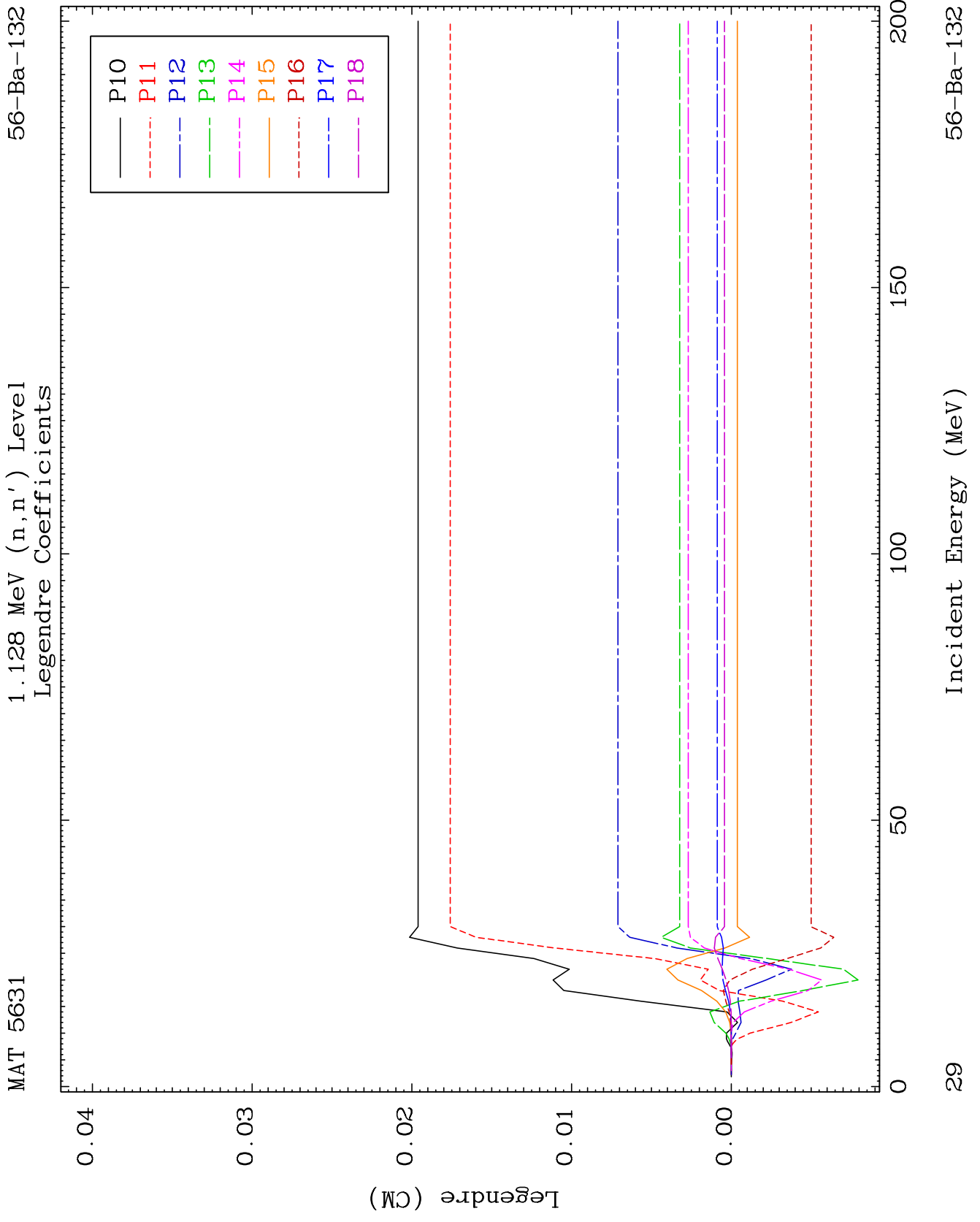
MAT 5631

1.032 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



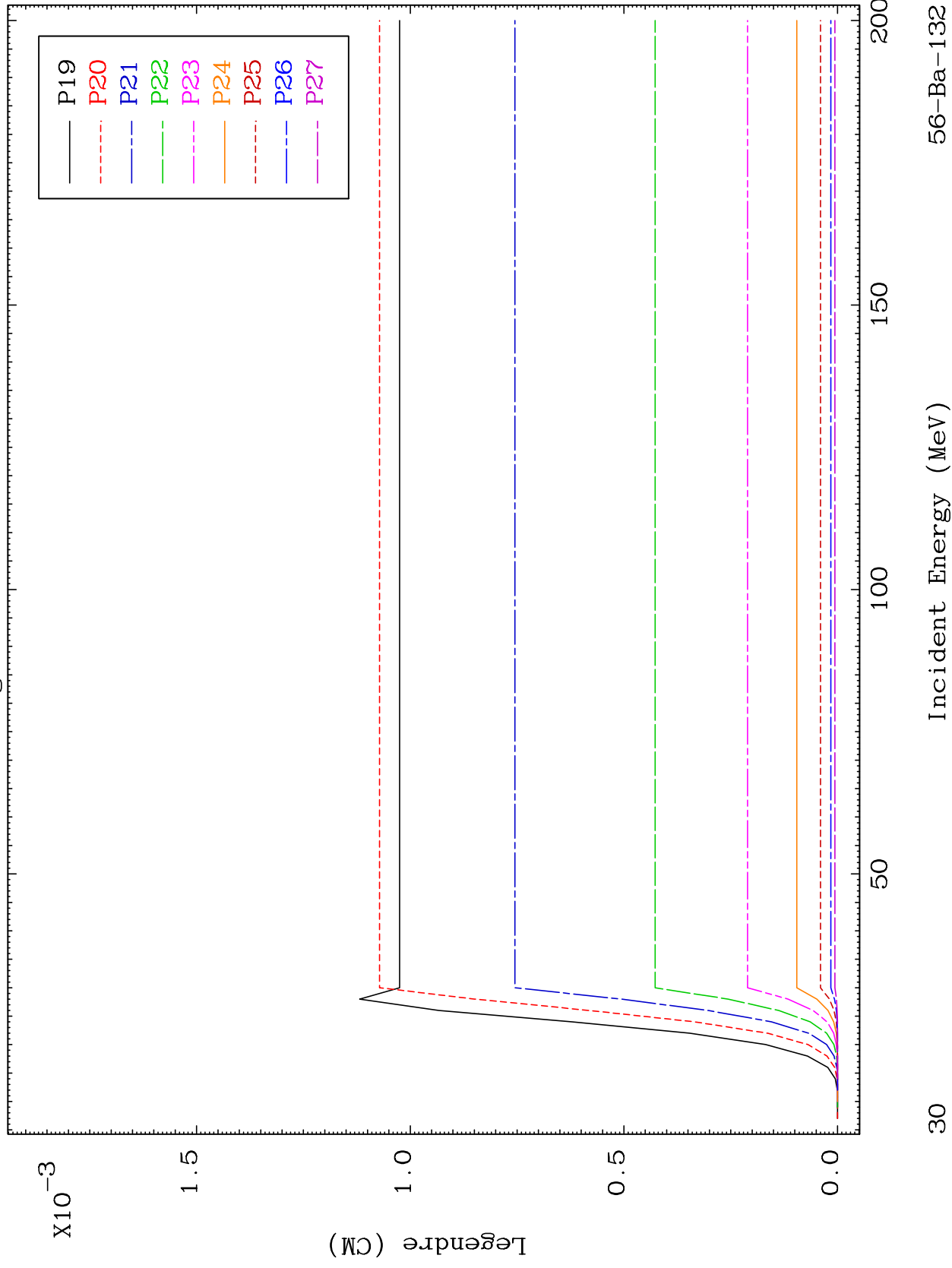




MAT 5631

1.128 MeV (n,n') Level
Legendre Coefficients

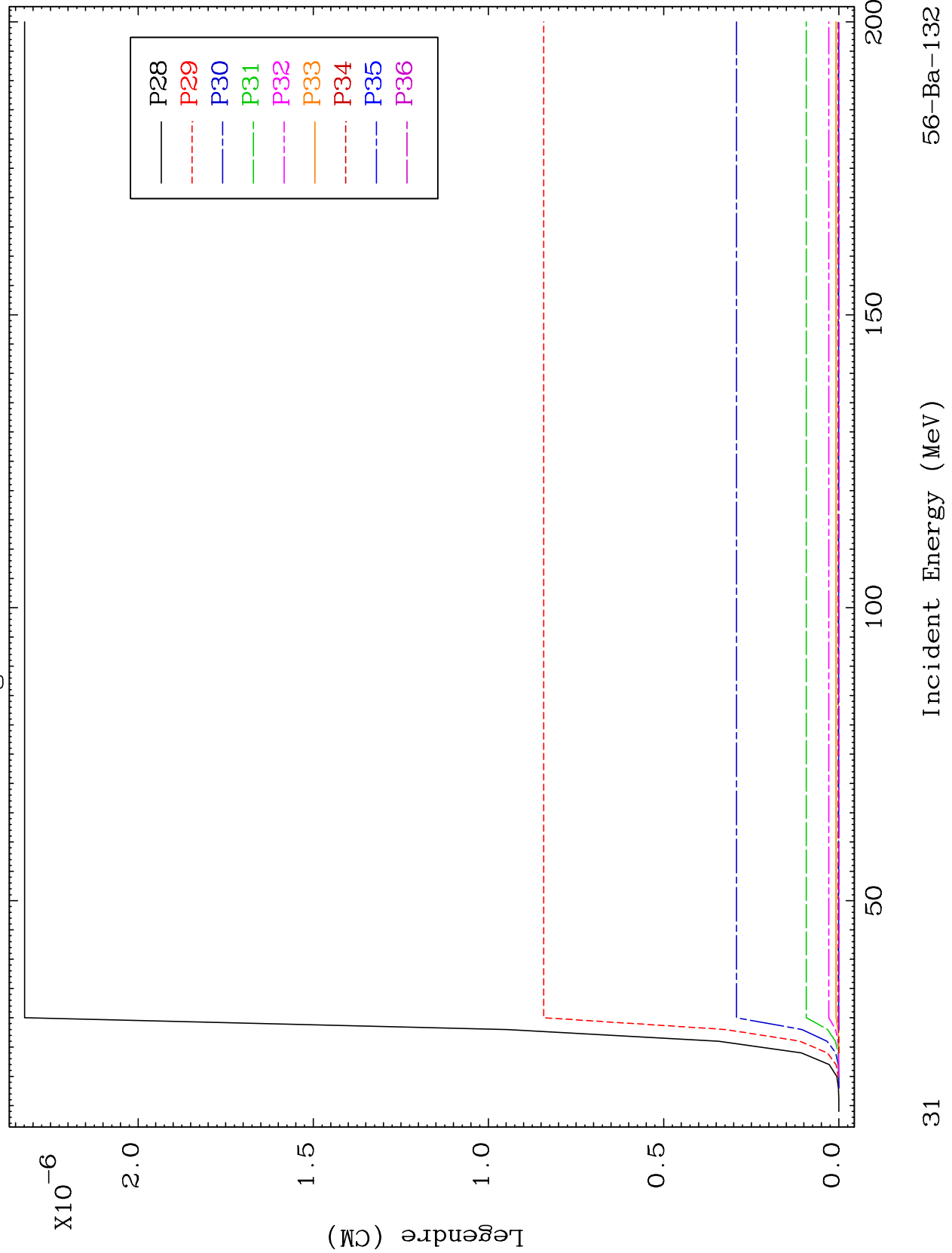
56-Ba-132

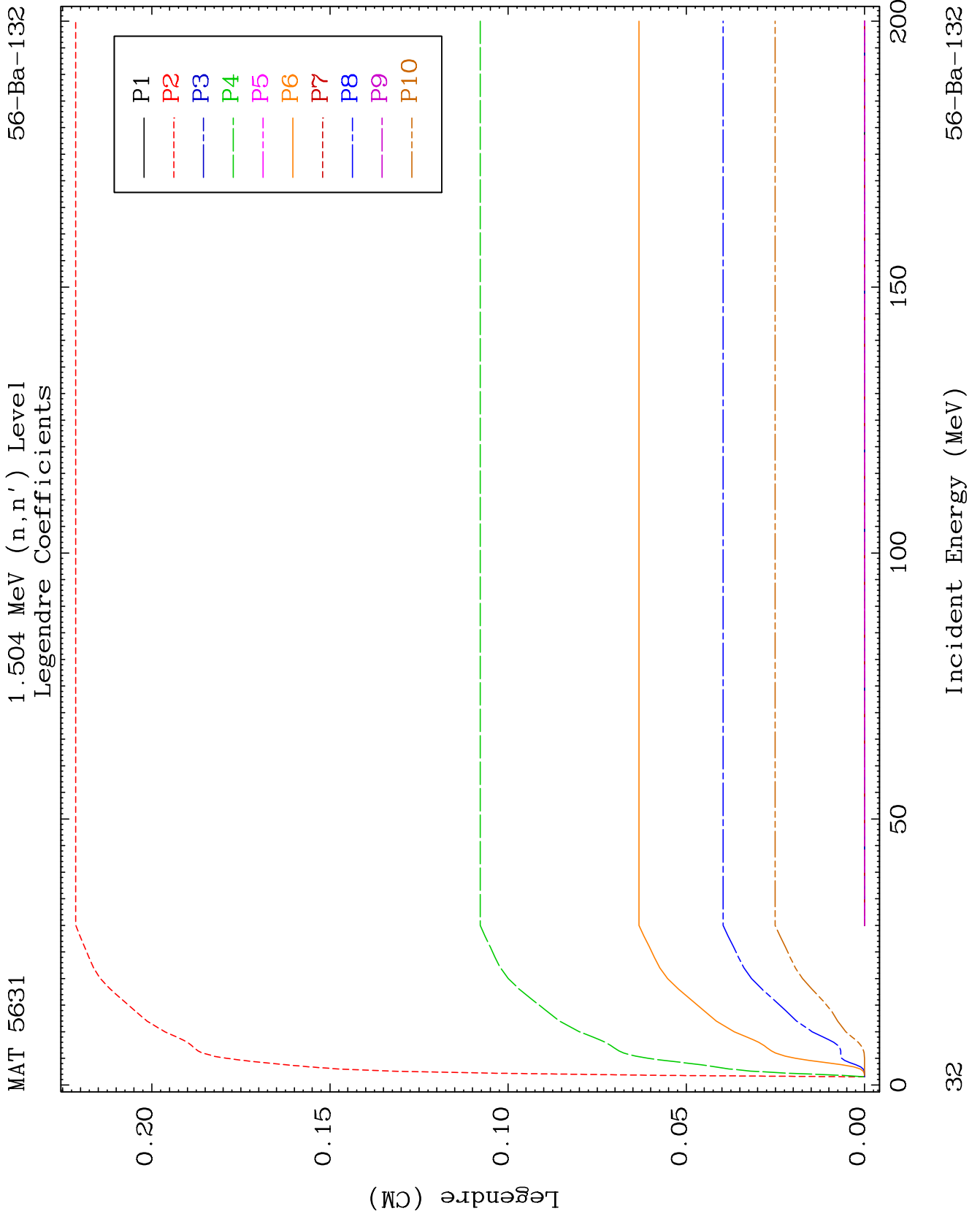


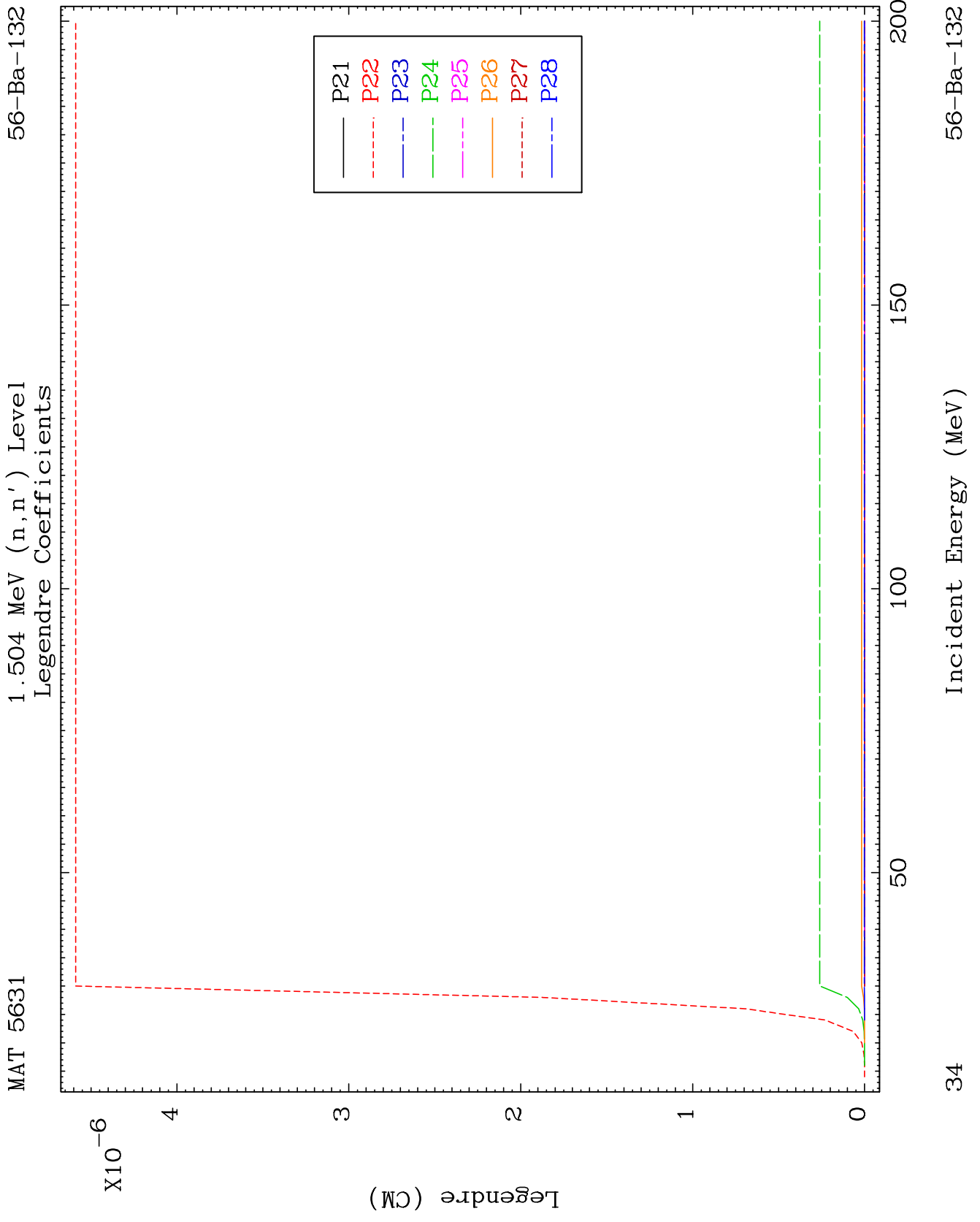
MAT 5631

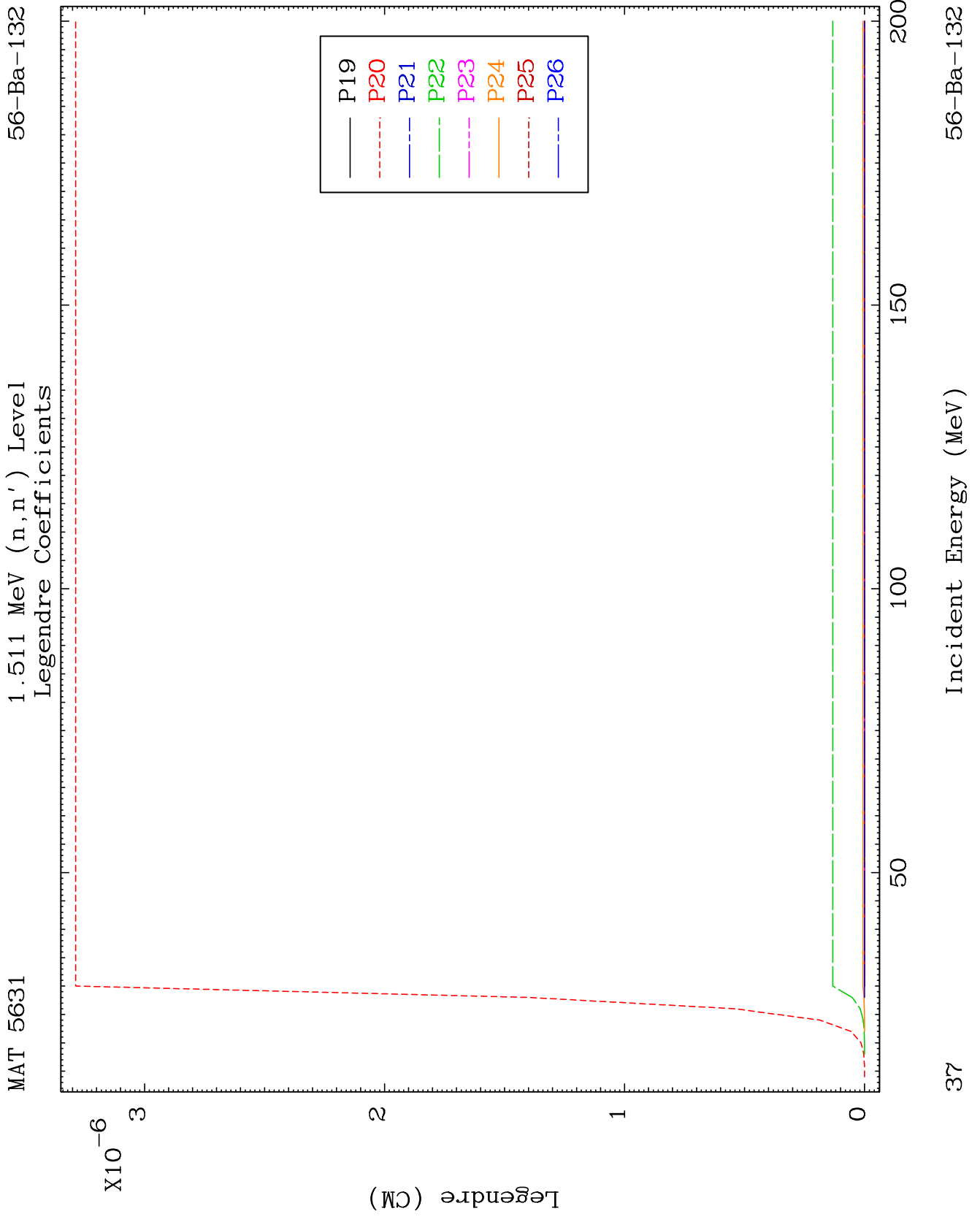
1.128 MeV (n, n') Level
Legendre Coefficients

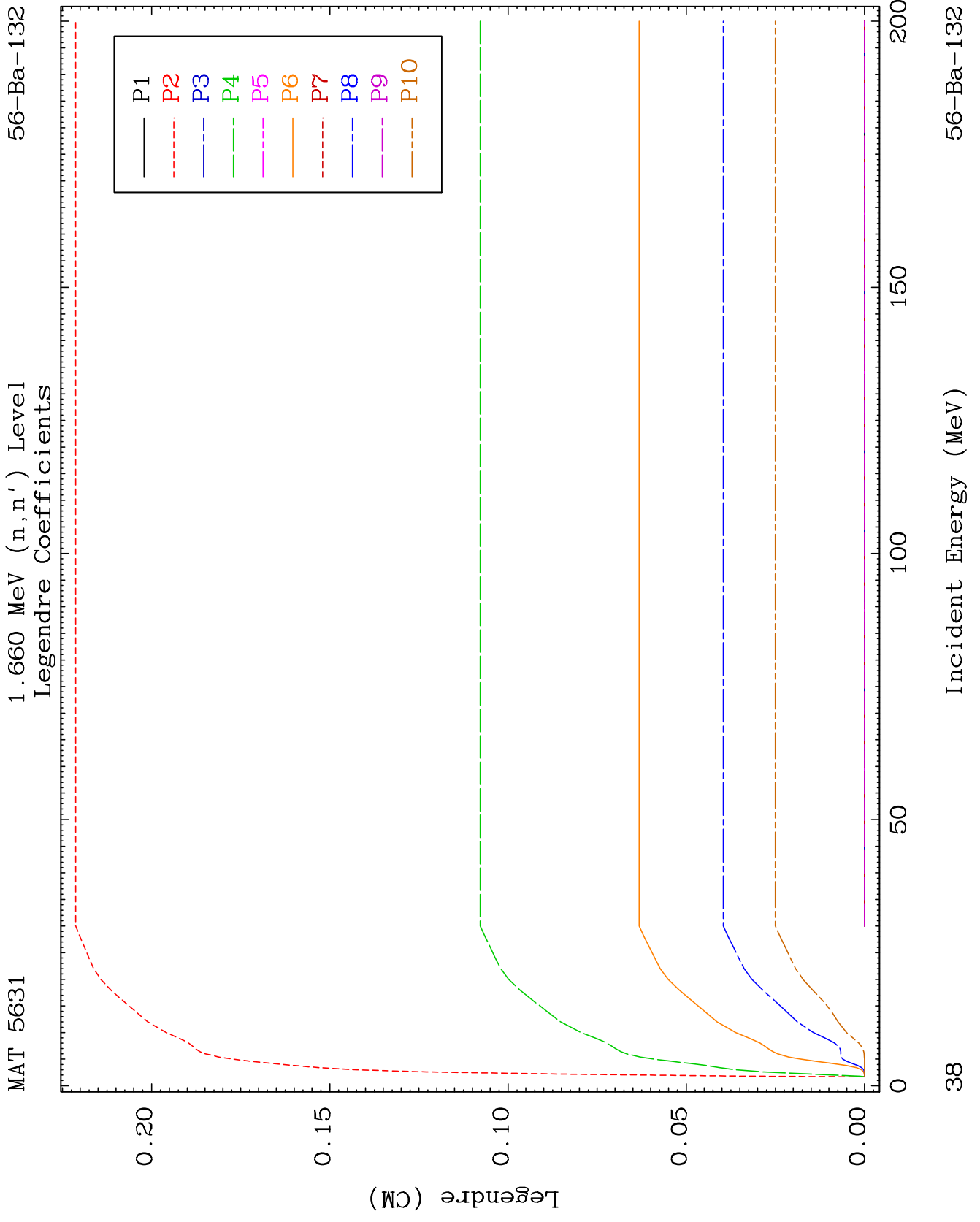
56-Ba-132

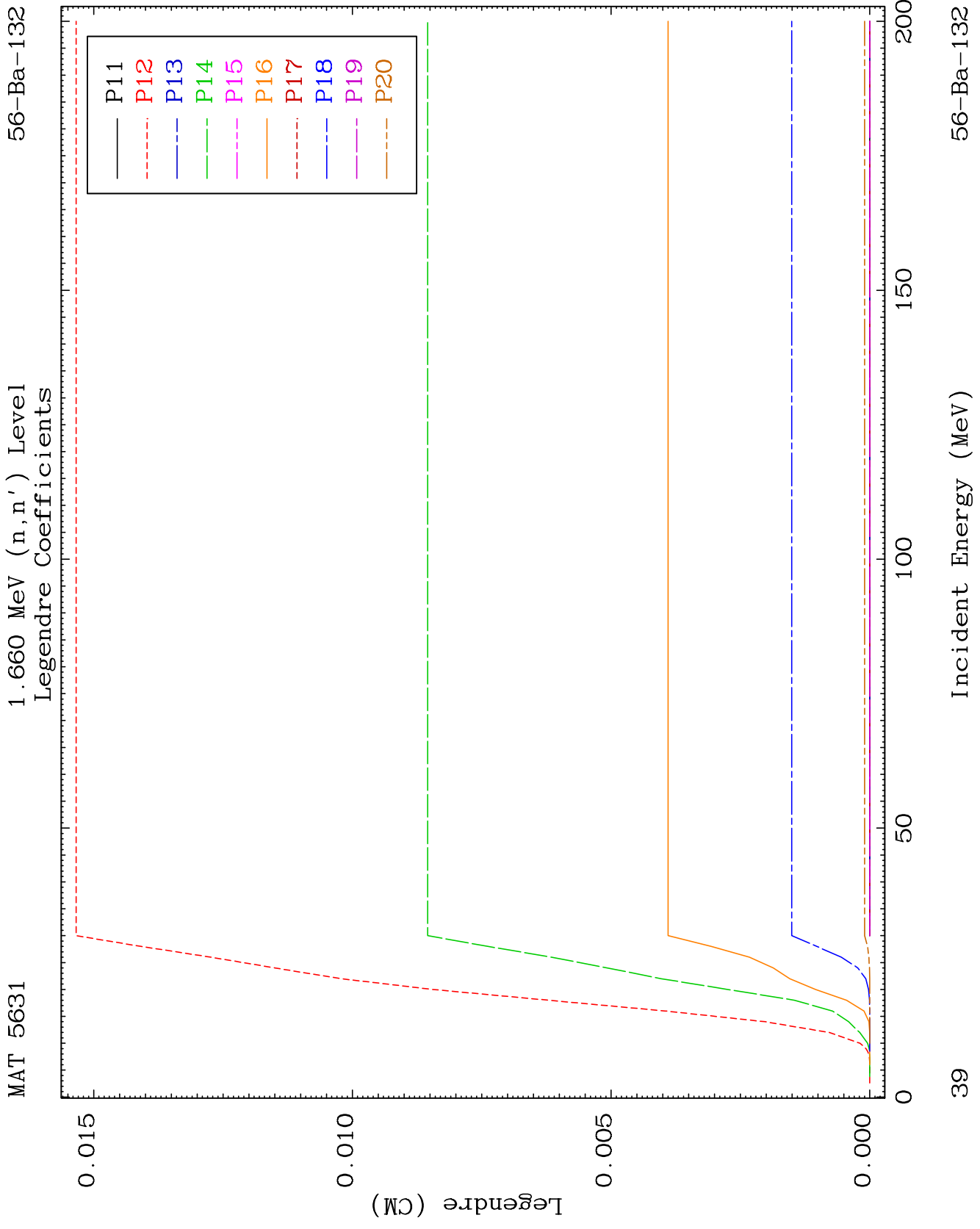


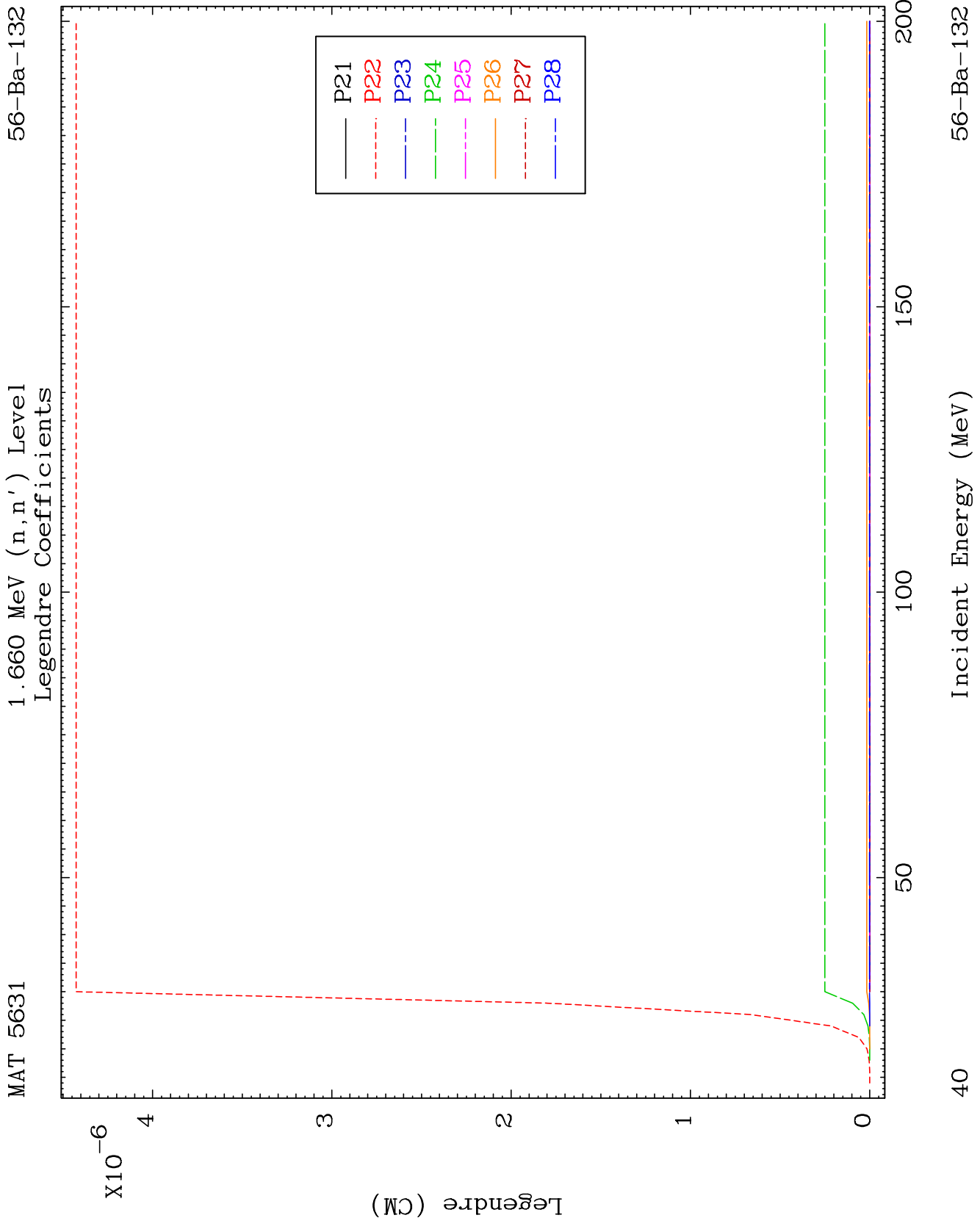


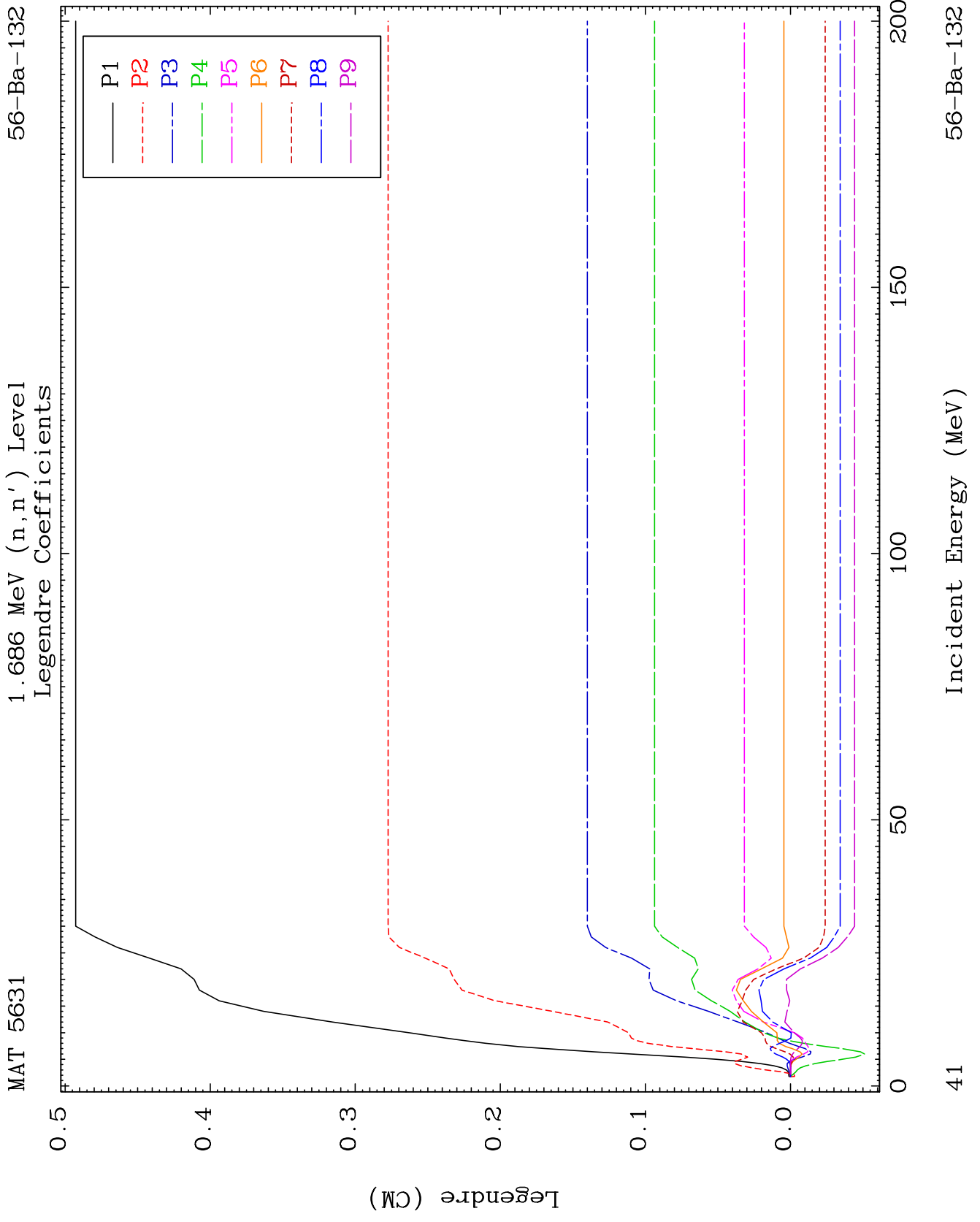








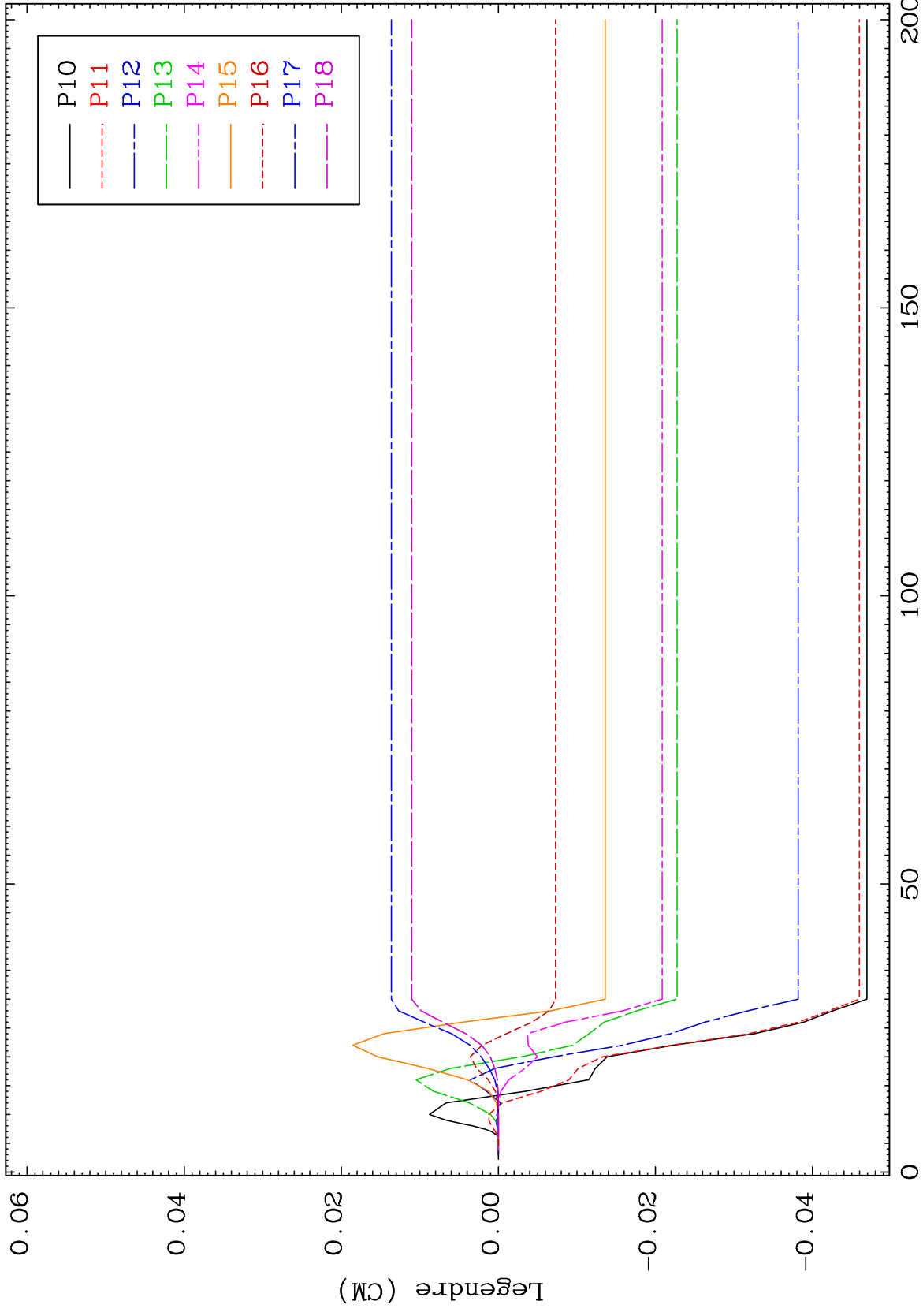




MAT 5631

1.686 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



42

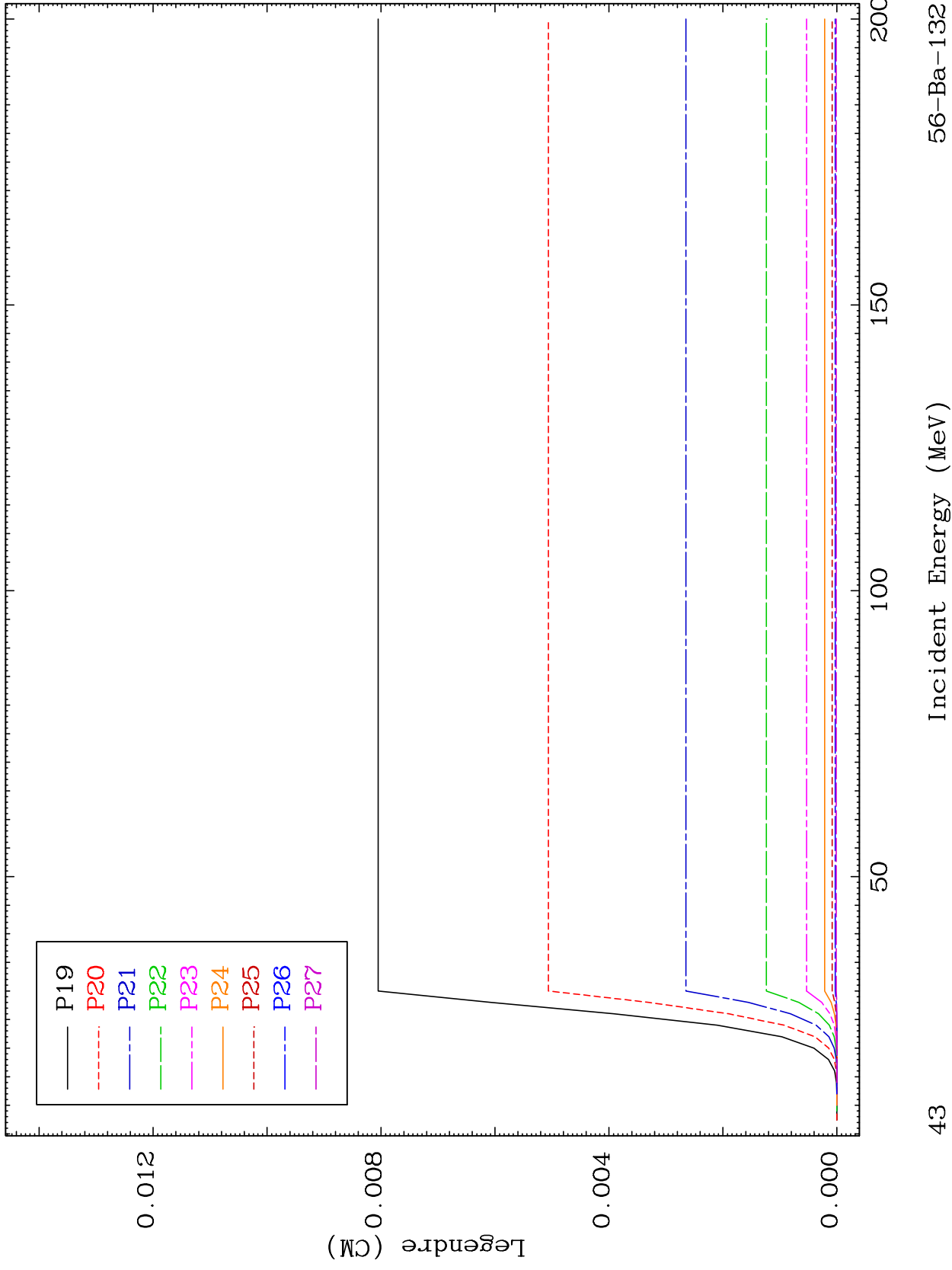
Incident Energy (MeV)

56-Ba-132

MAT 5631

1.686 MeV (n,n') Level
Legendre Coefficients

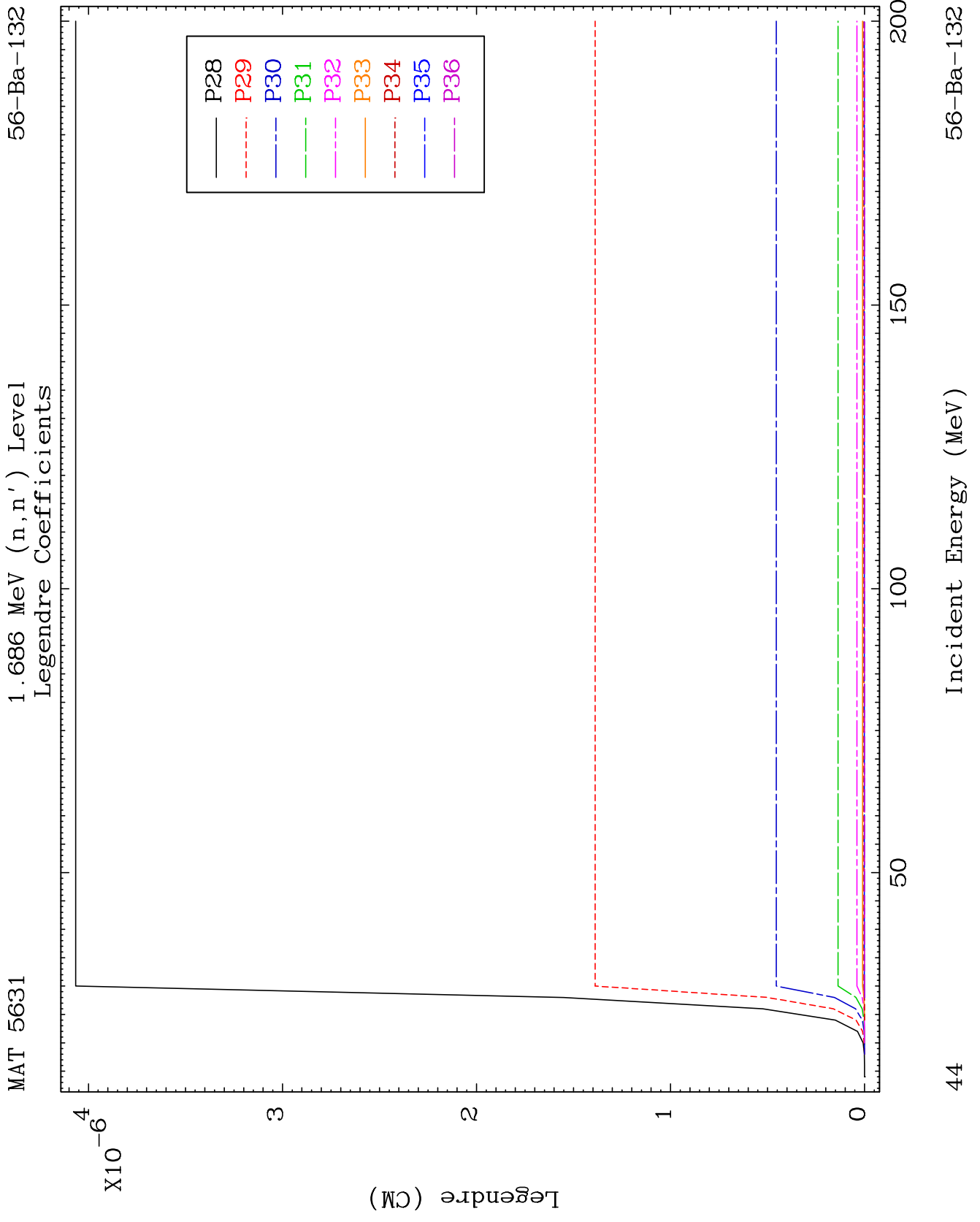
56-Ba-132



43

Incident Energy (MeV)

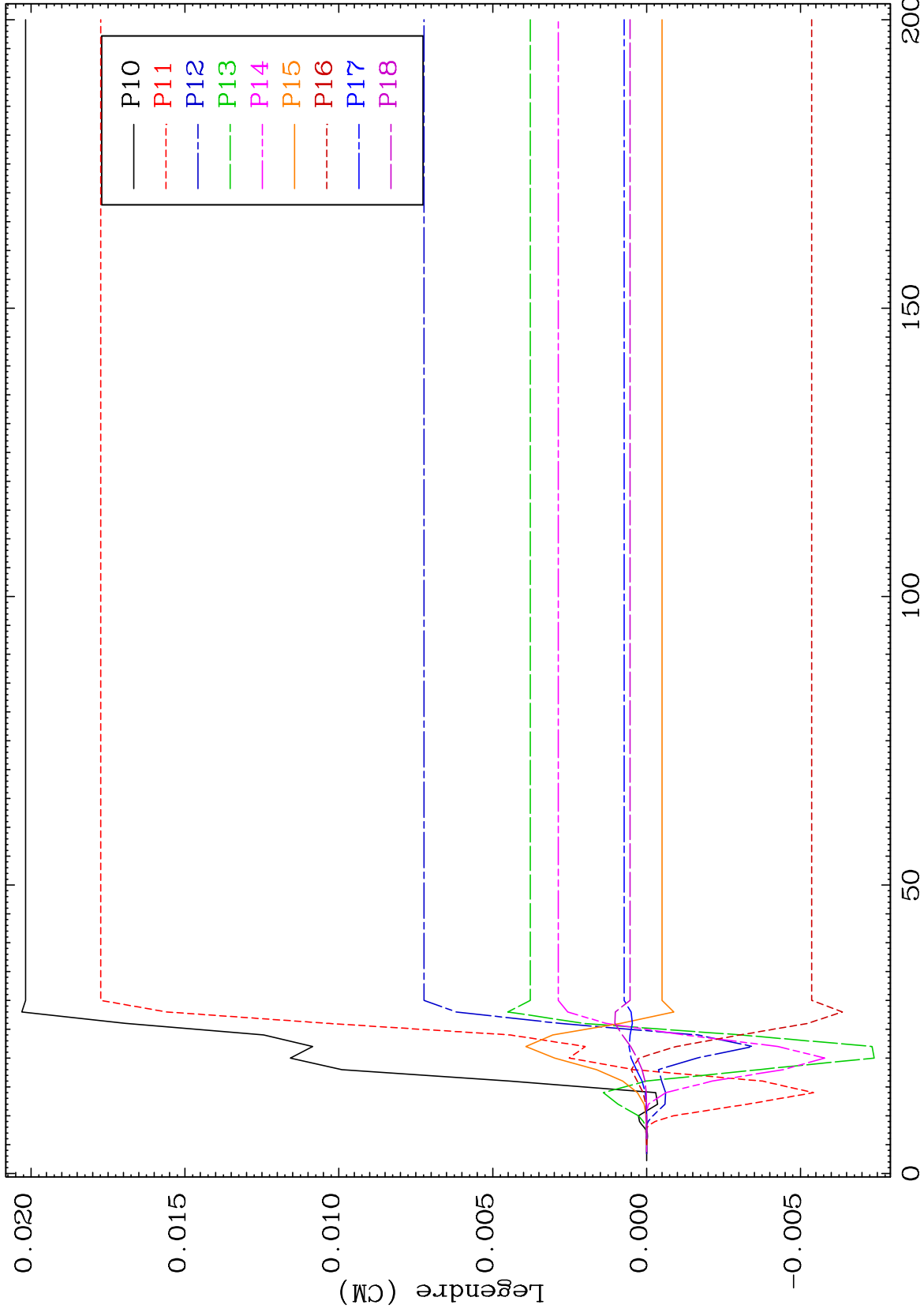
56-Ba-132



MAT 5631

1.729 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



46

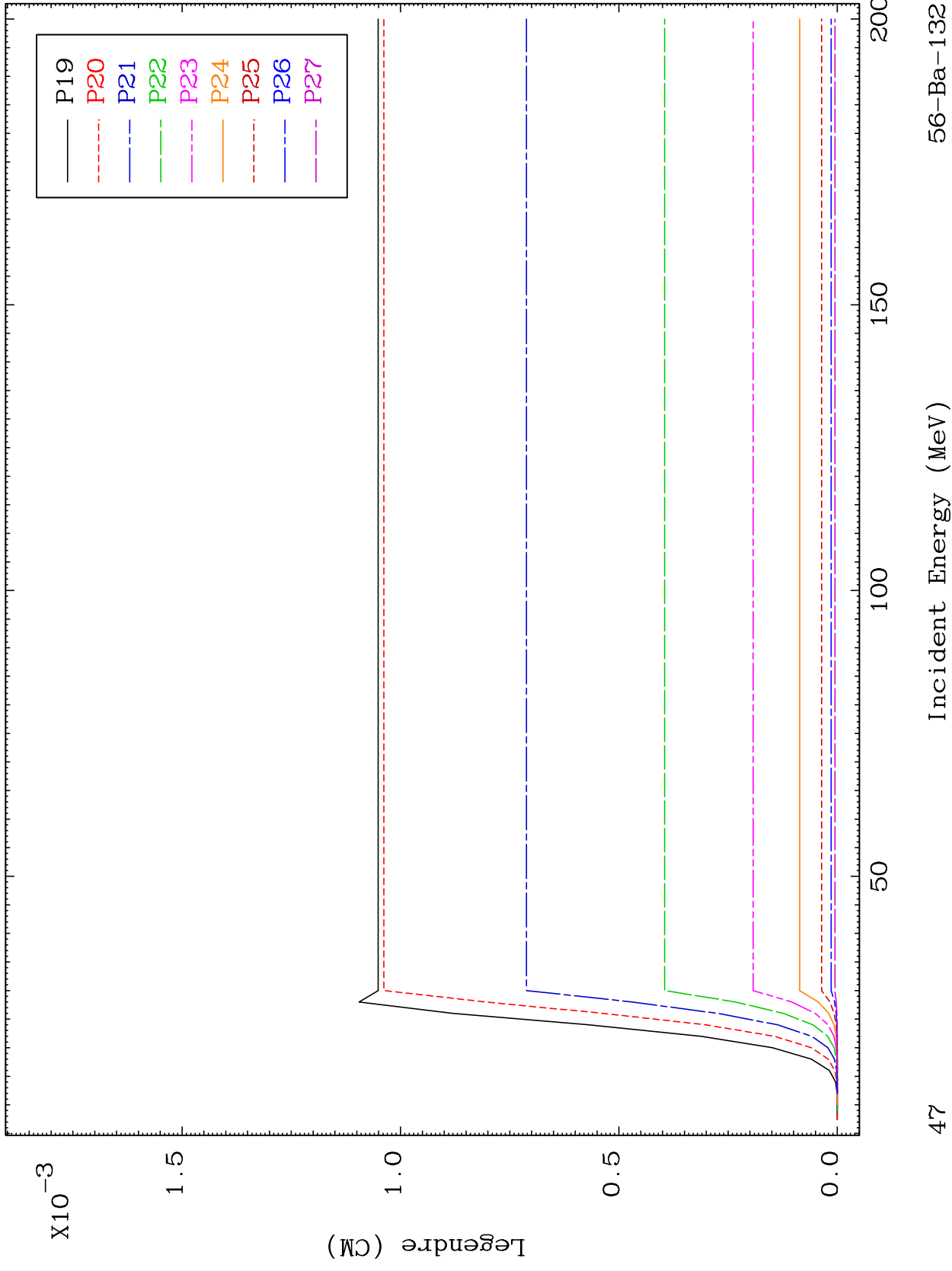
Incident Energy (MeV)

56-Ba-132

MAT 5631

1.729 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



47

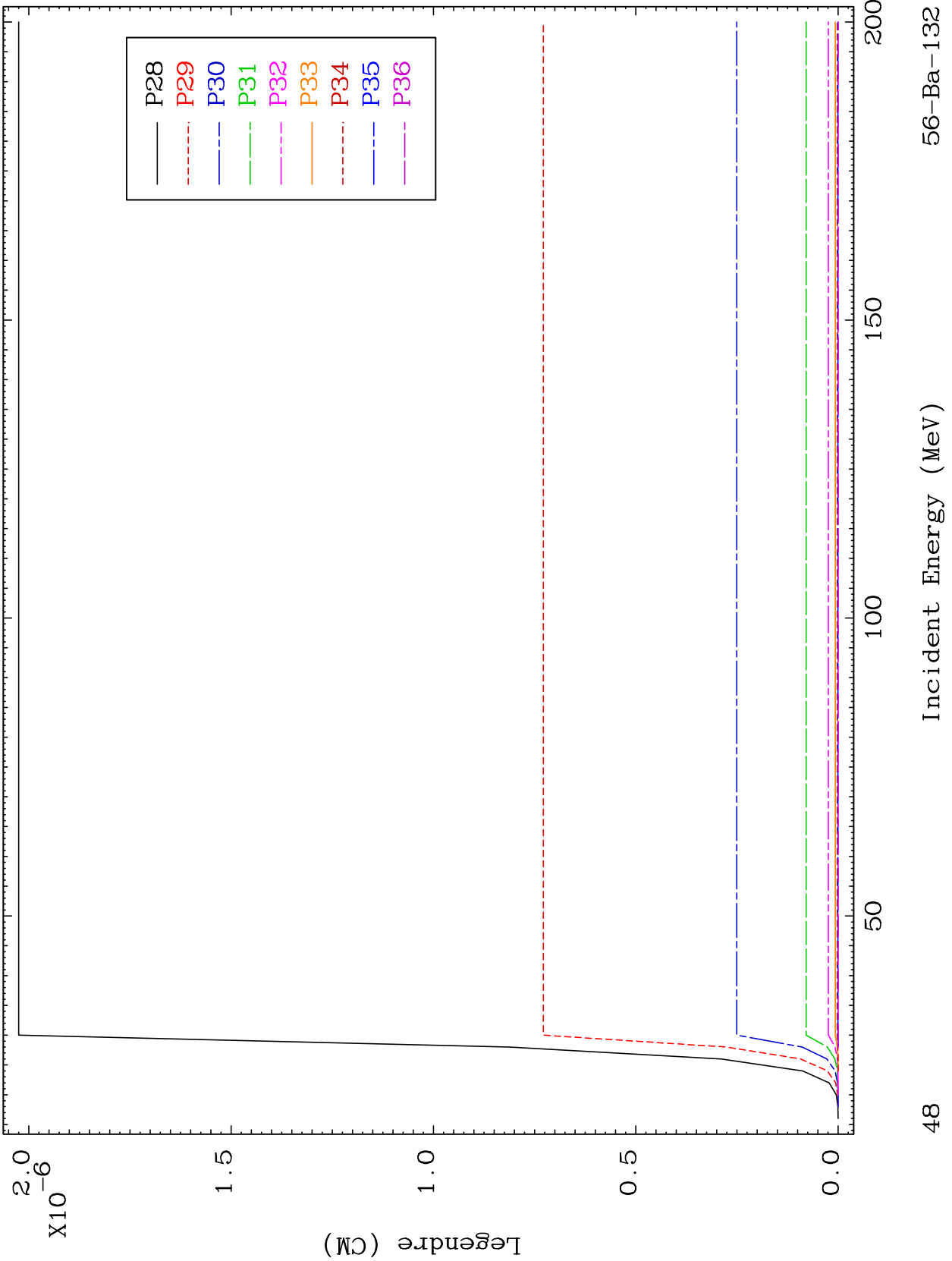
Incident Energy (MeV)

56-Ba-132

MAT 5631

1.729 MeV (n,n') Level
Legendre Coefficients

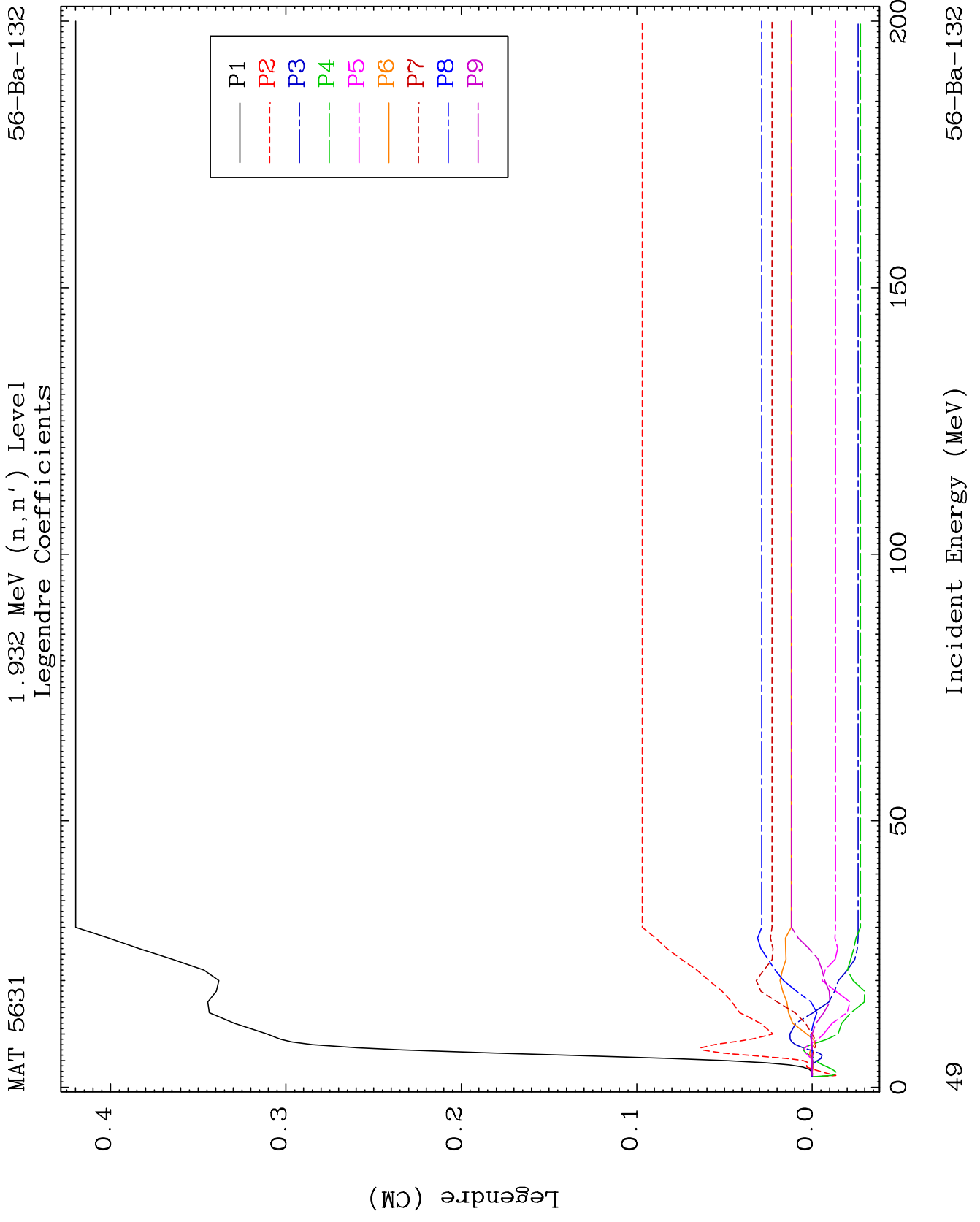
56-Ba-132

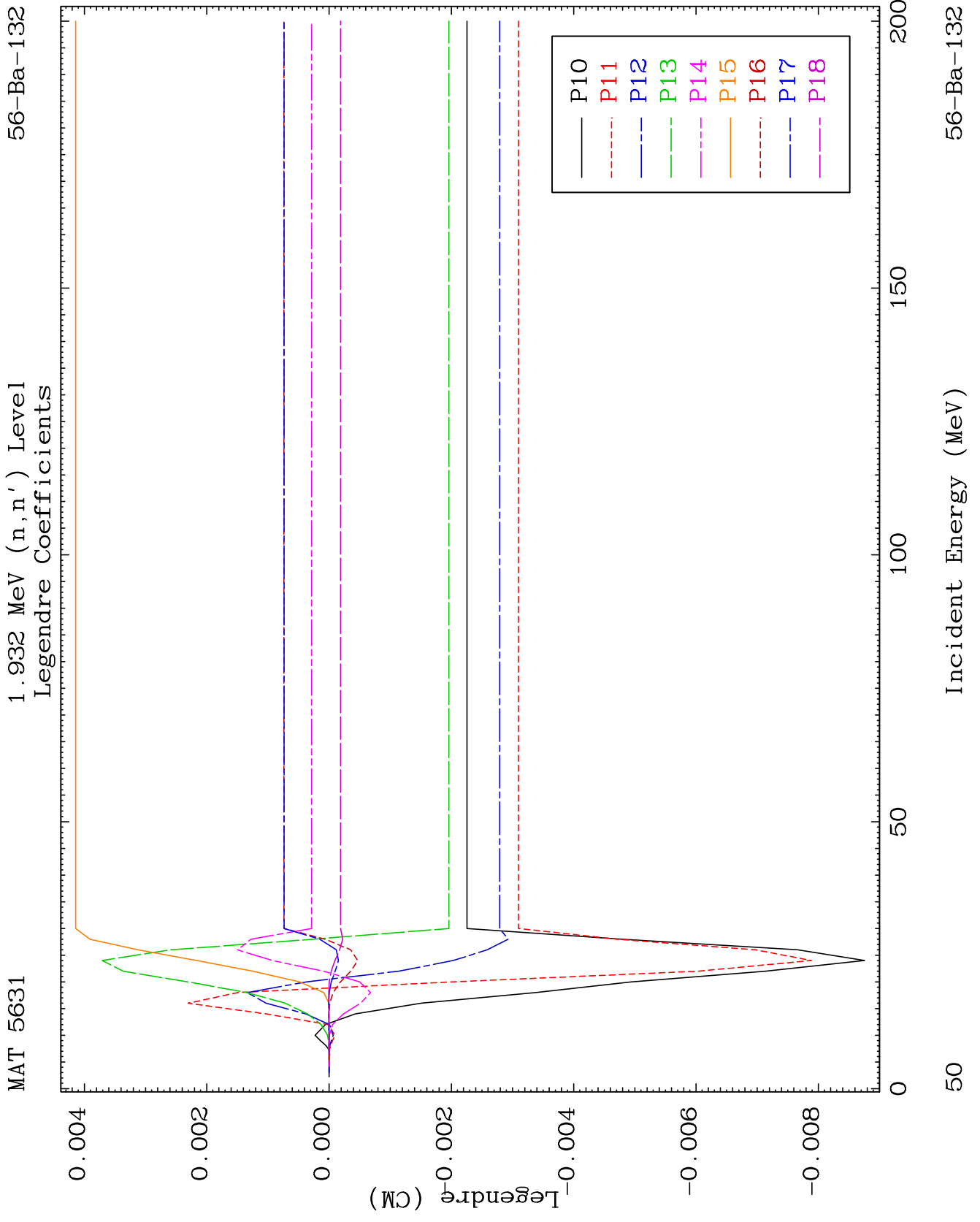


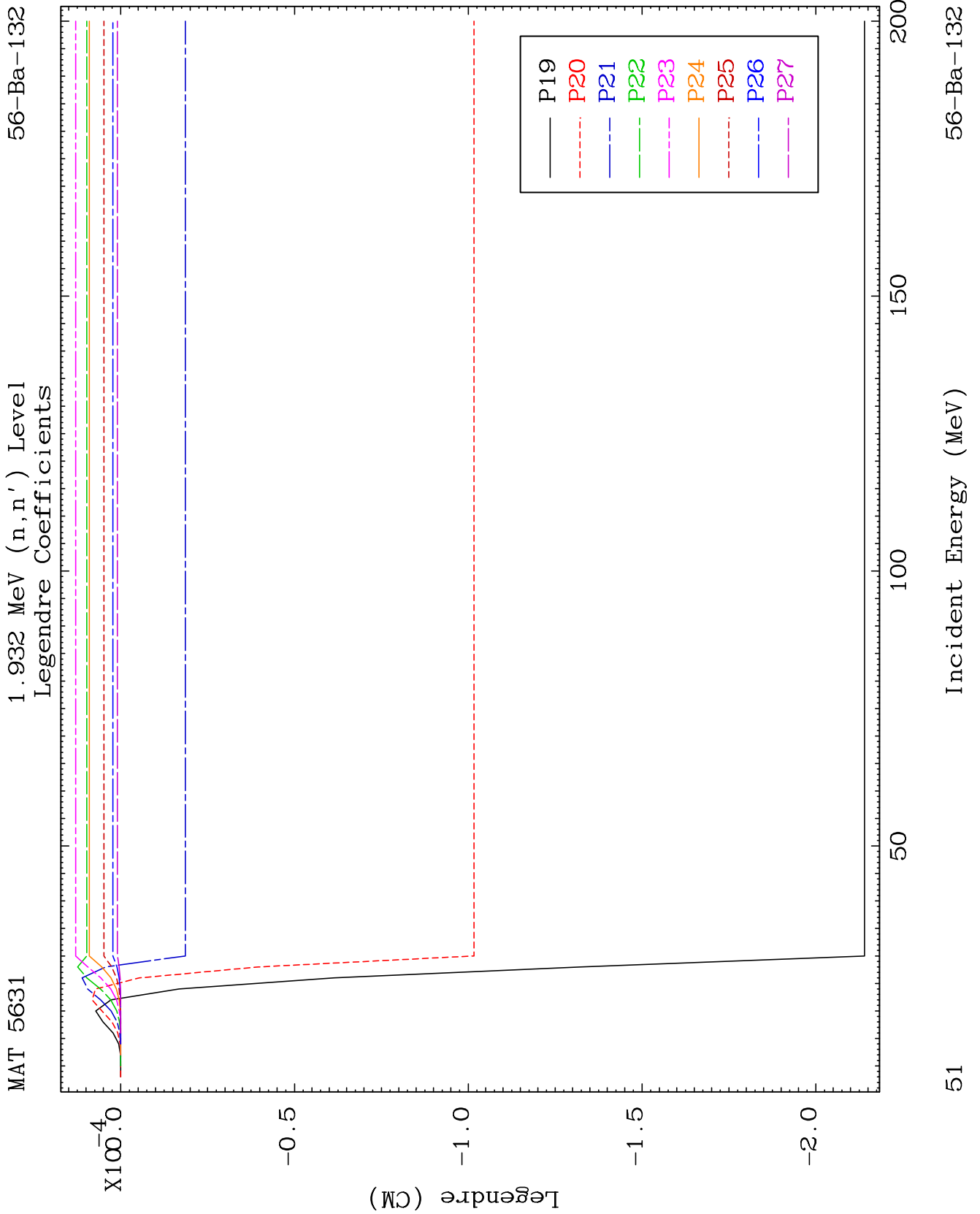
56-Ba-132

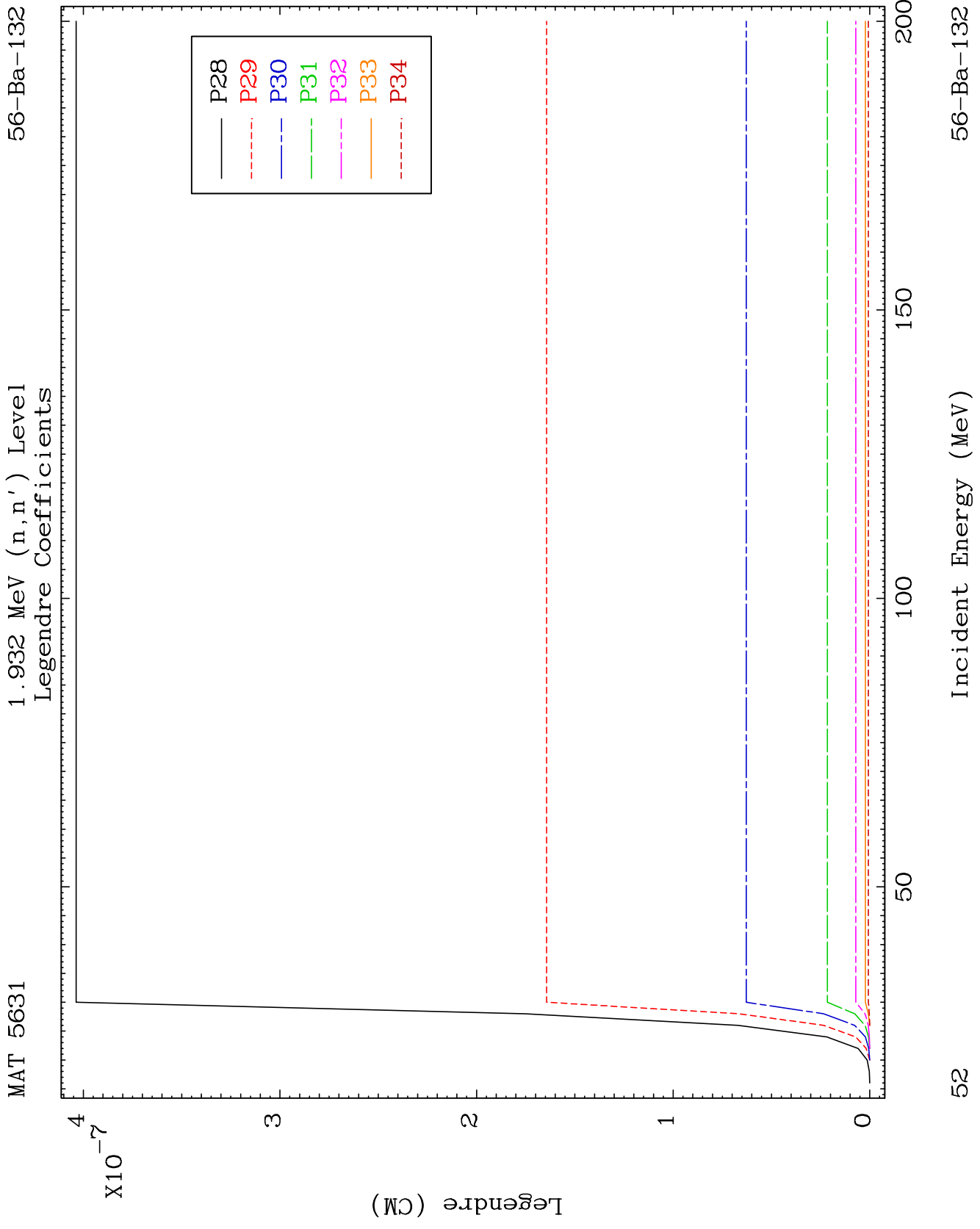
Incident Energy (MeV)

48





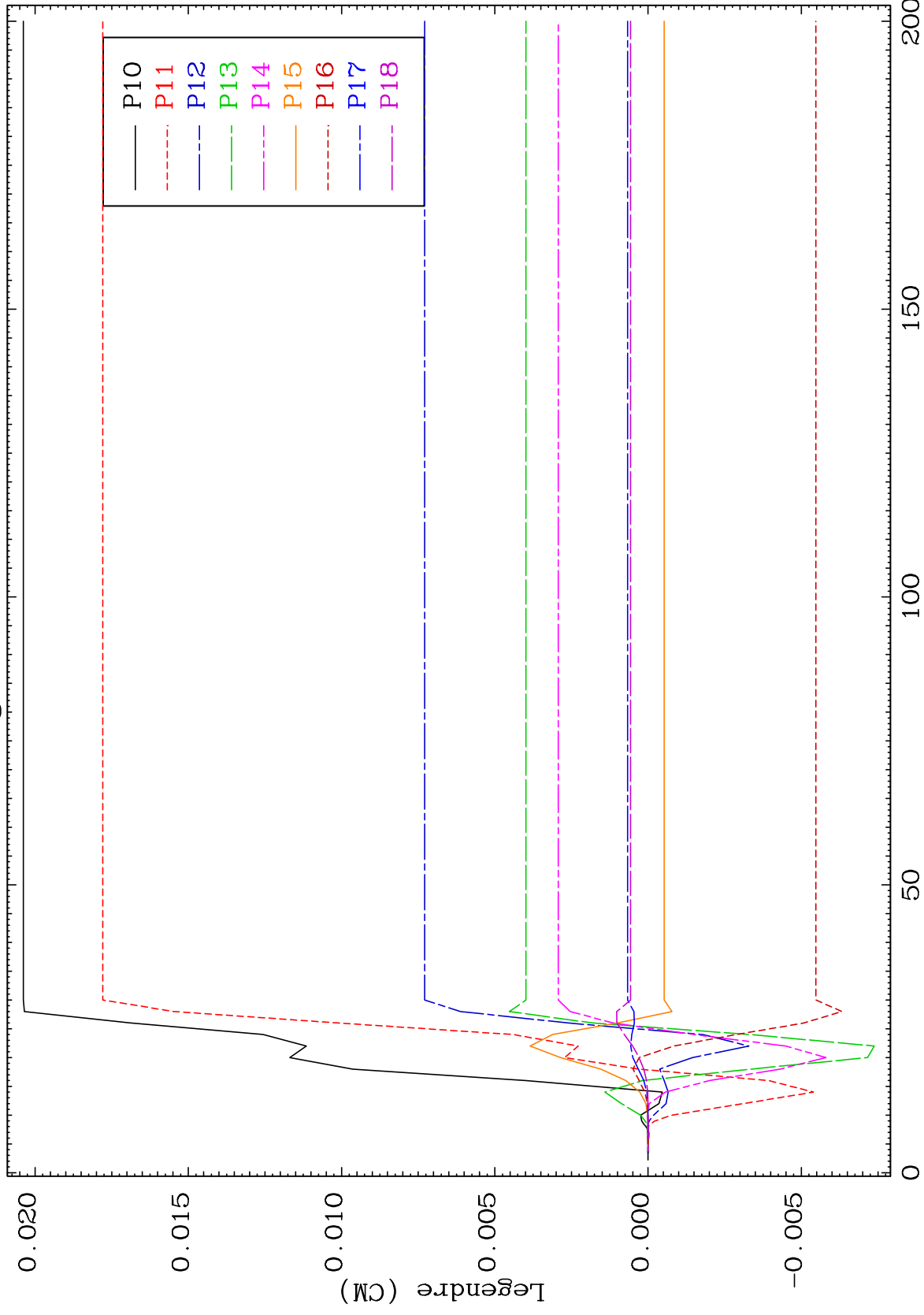




MAT 5631

1.944 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



54

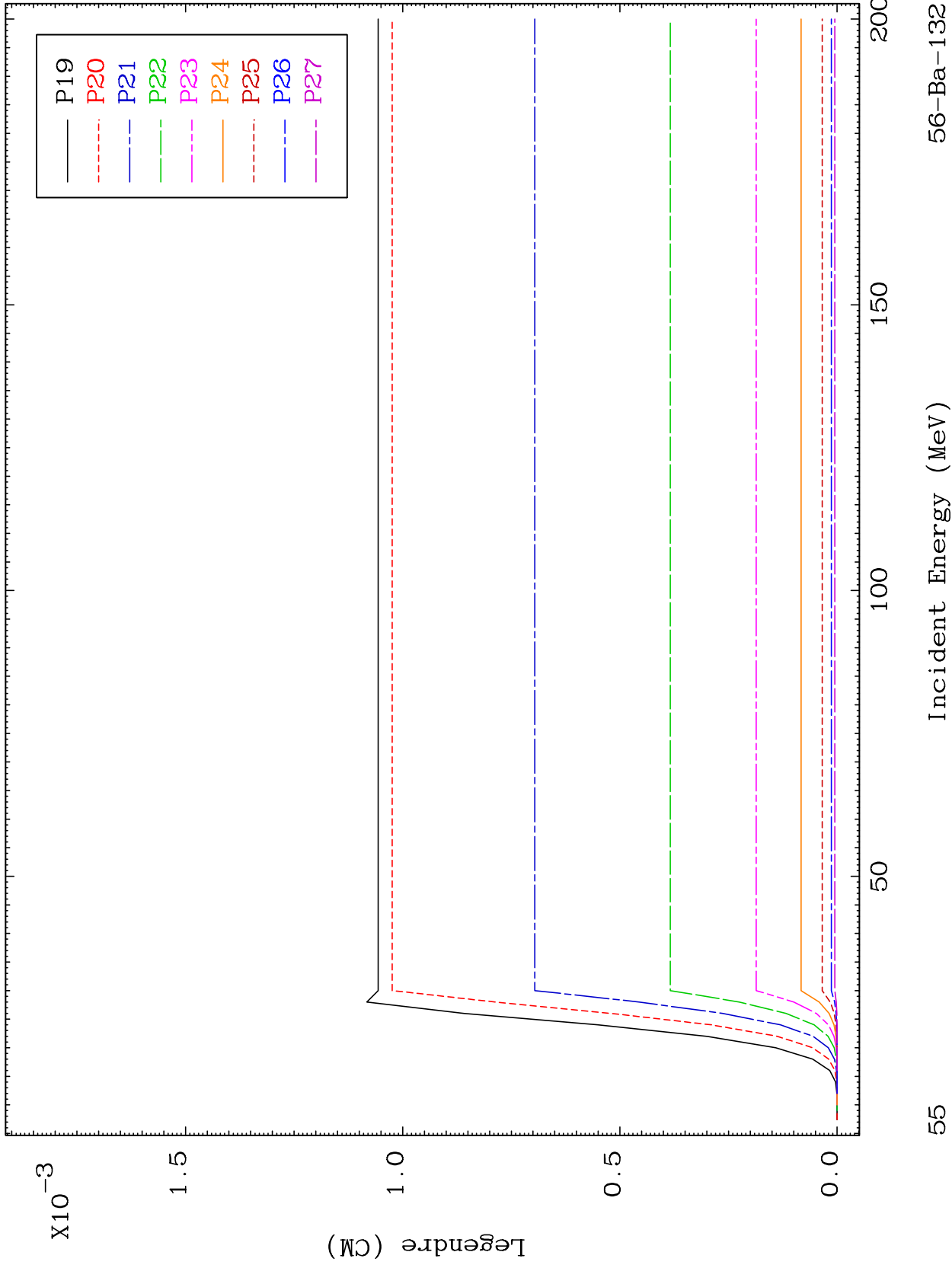
Incident Energy (MeV)

56-Ba-132

MAT 5631

1.944 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



55

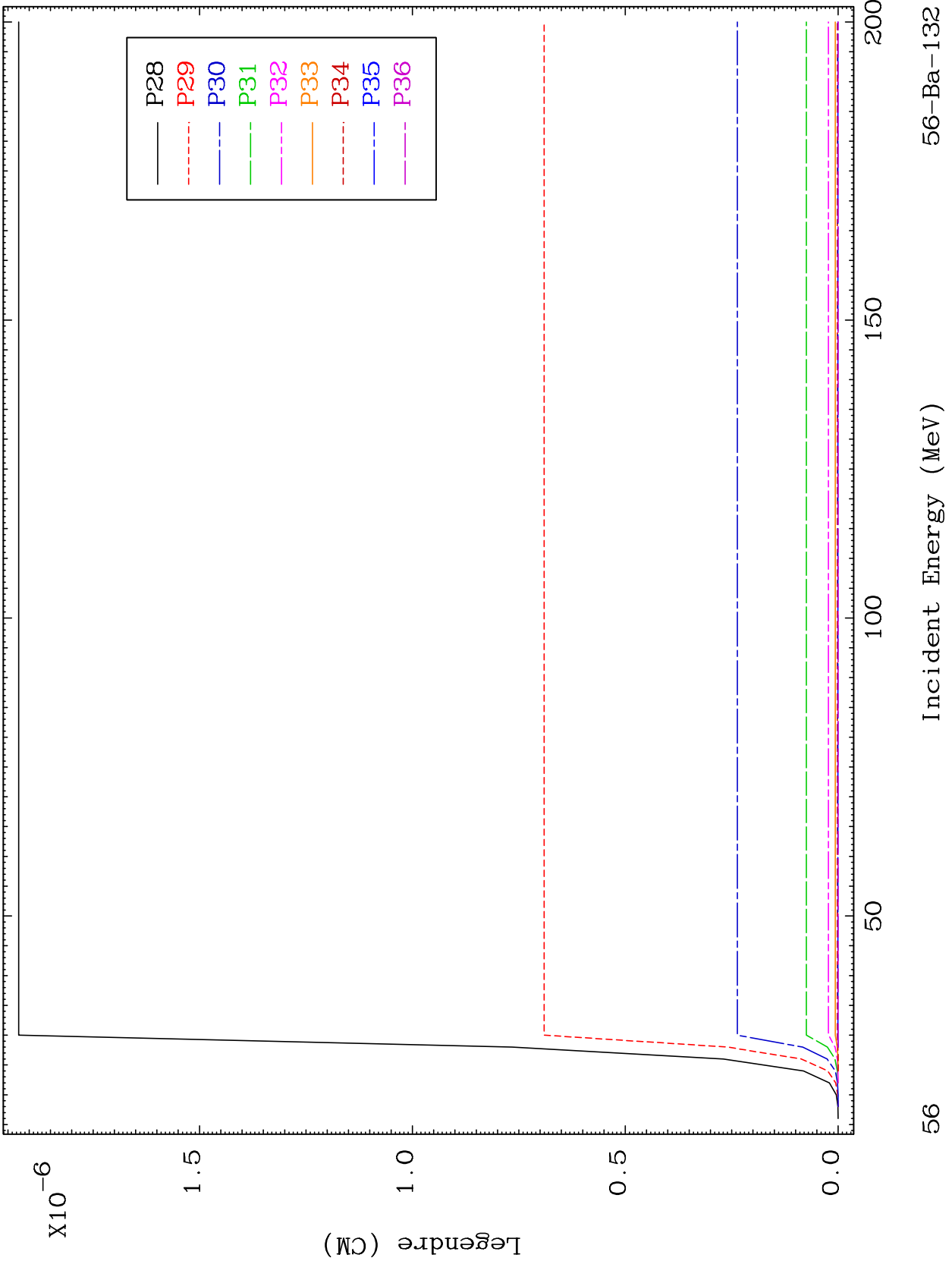
Incident Energy (MeV)

56-Ba-132

MAT 5631

1.944 MeV (n, n') Level
Legendre Coefficients

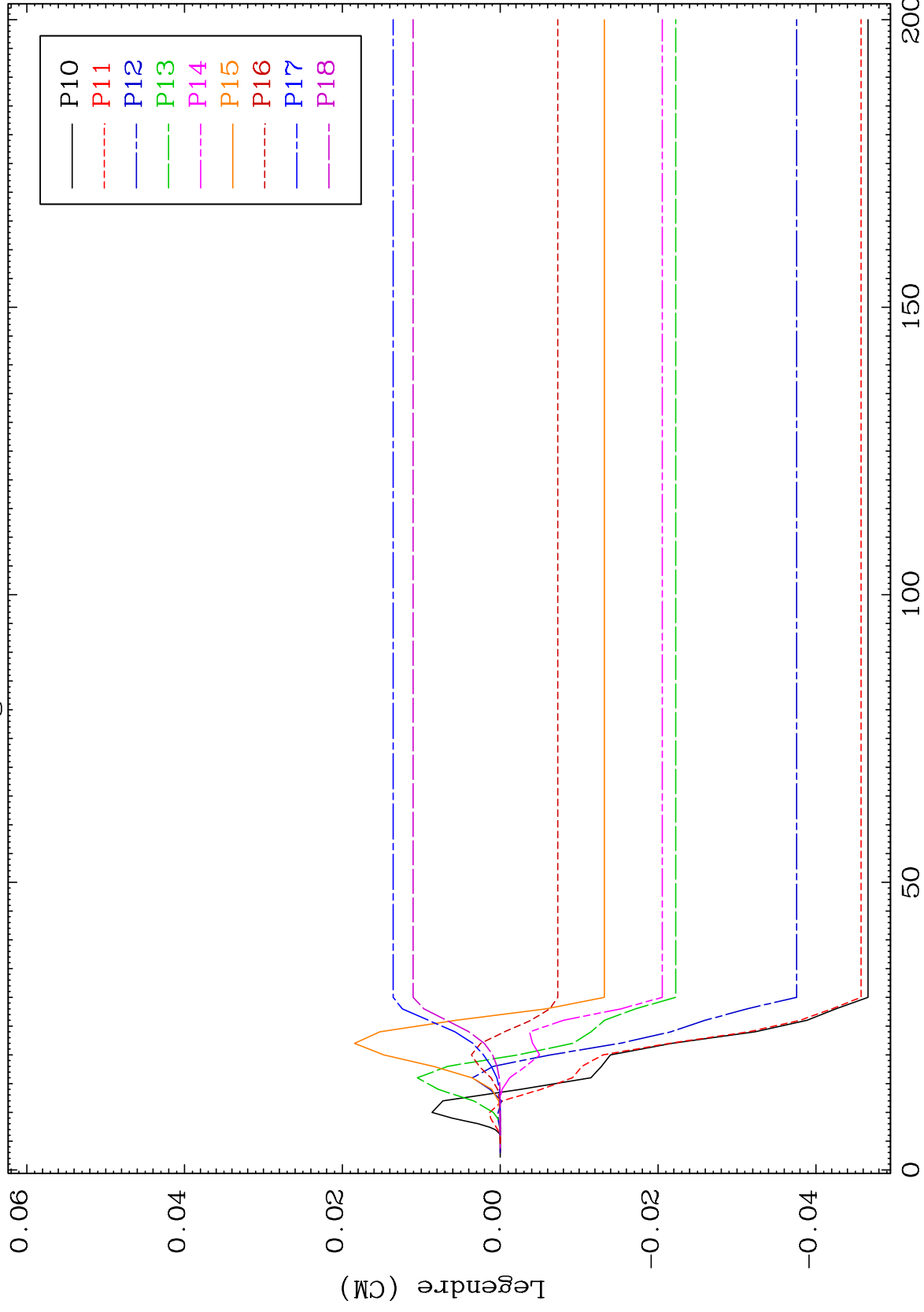
56-Ba-132



MAT 5631

1.998 MeV (n,n') Level
Legendre Coefficients

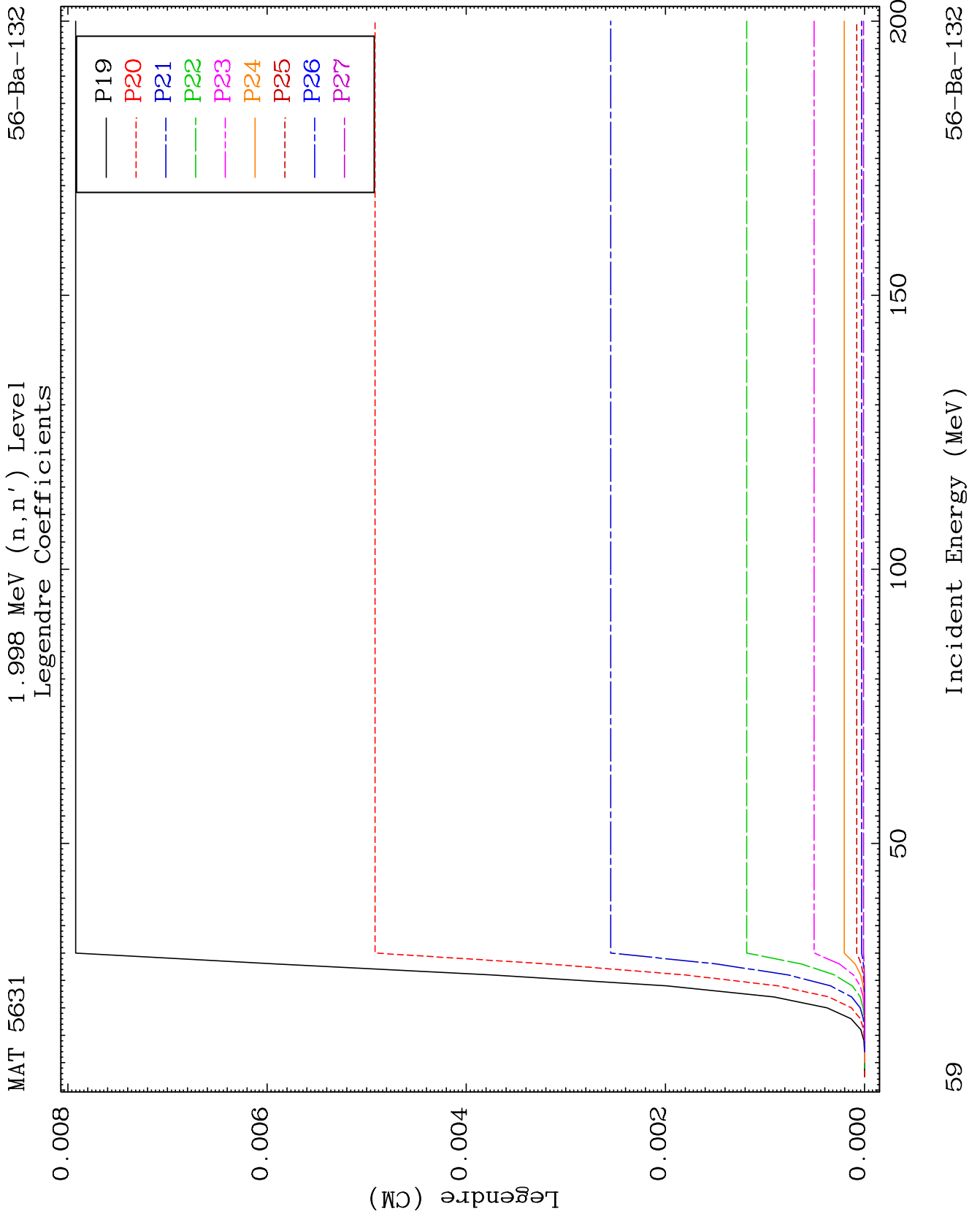
56-Ba-132

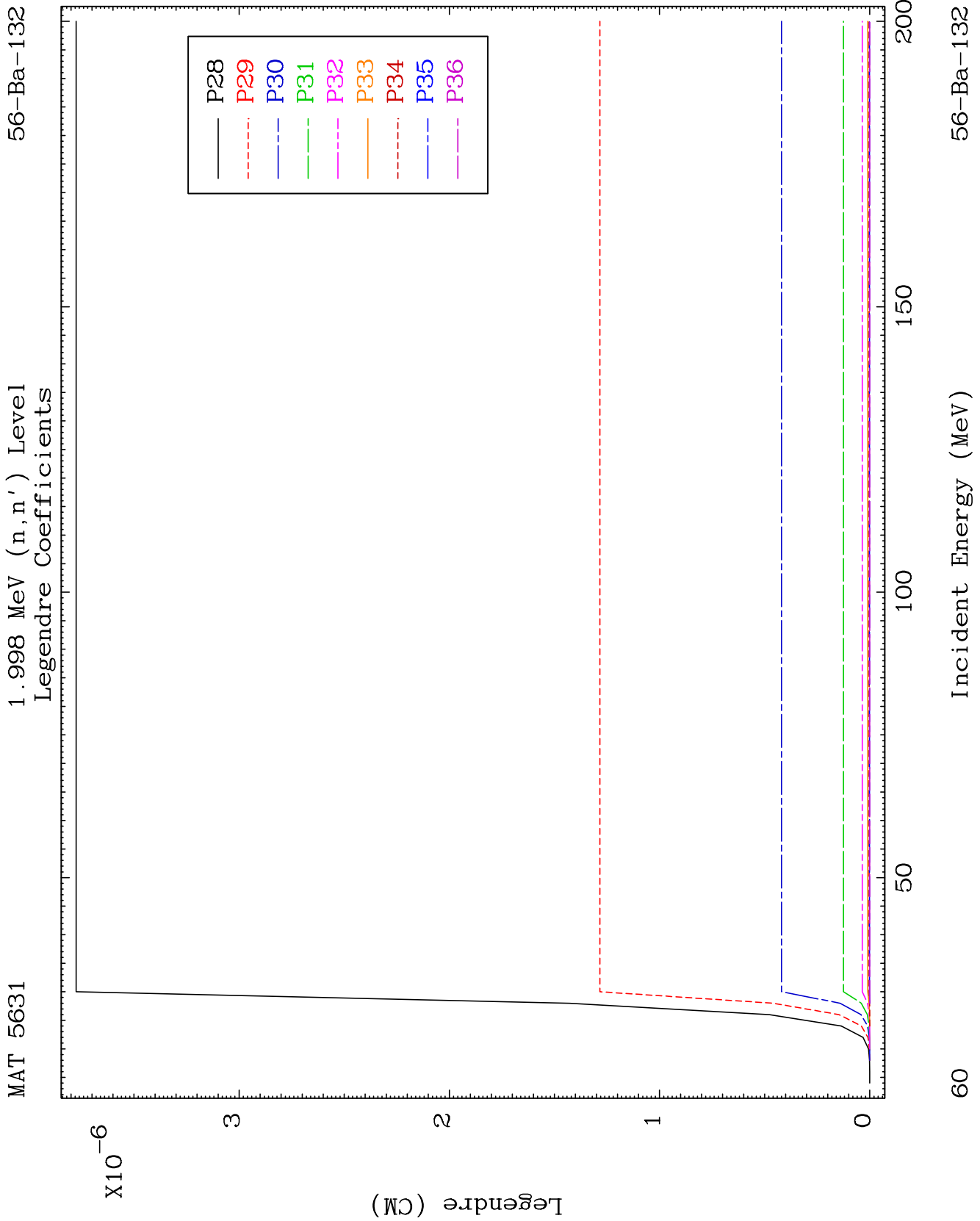


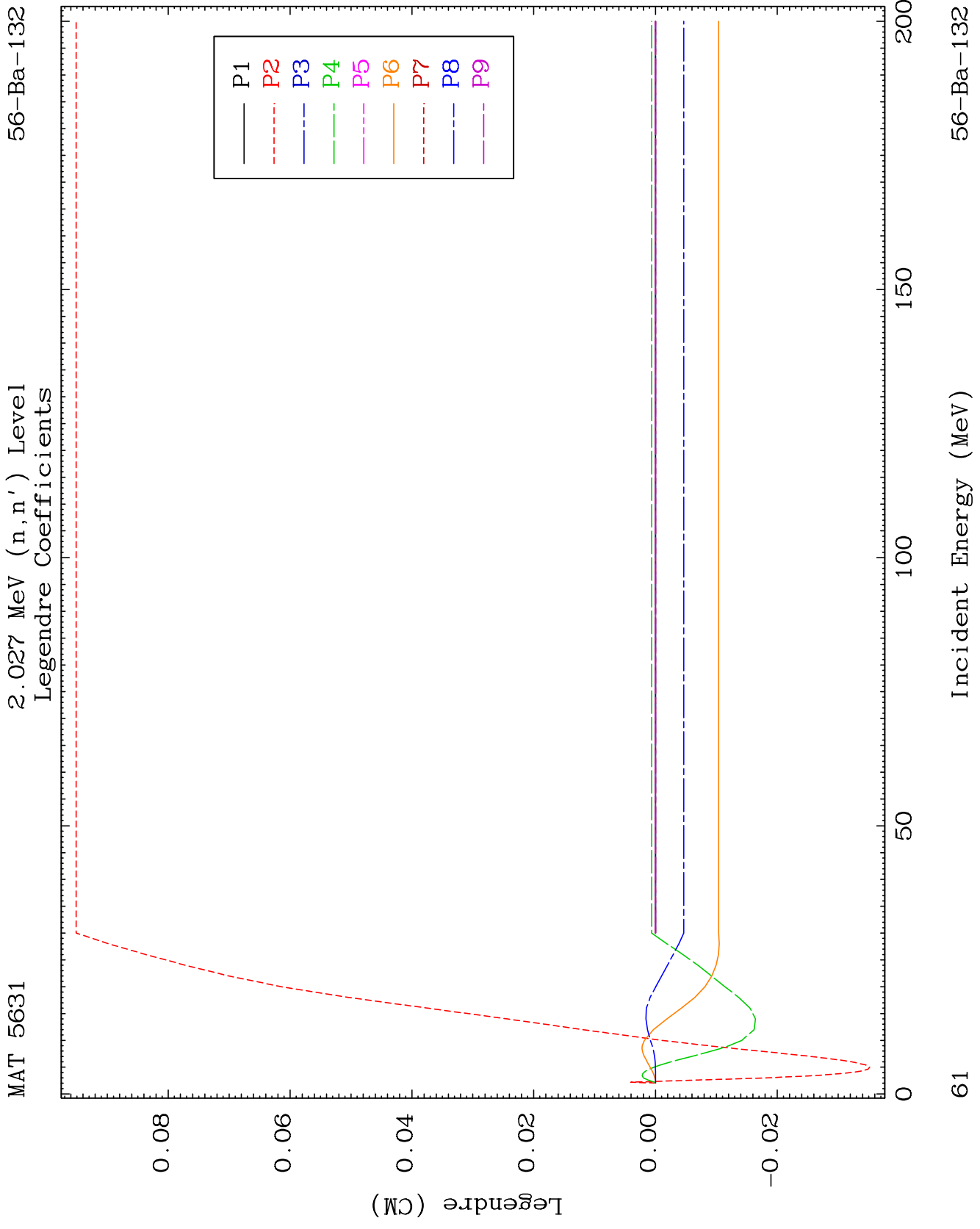
58

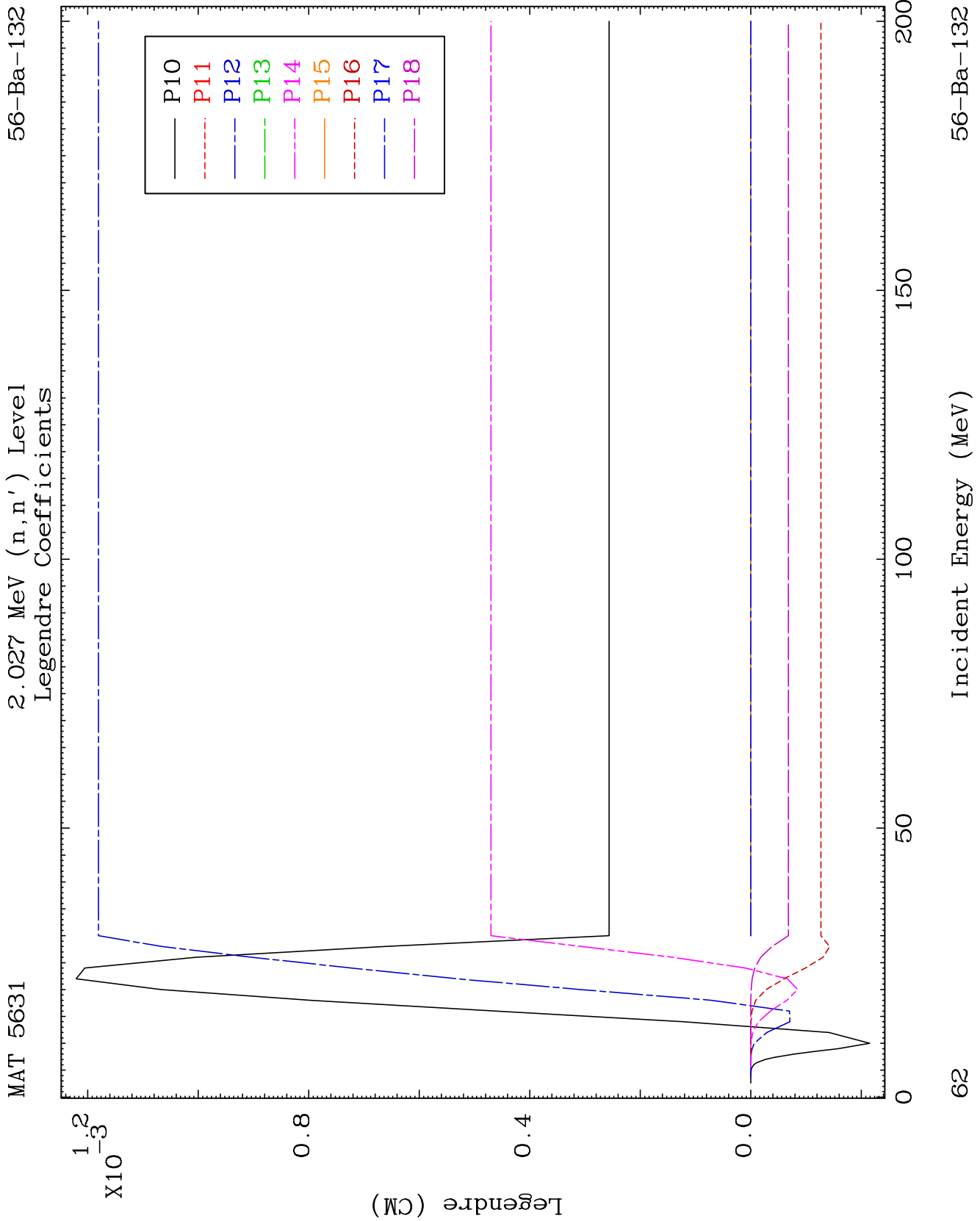
Incident Energy (MeV)

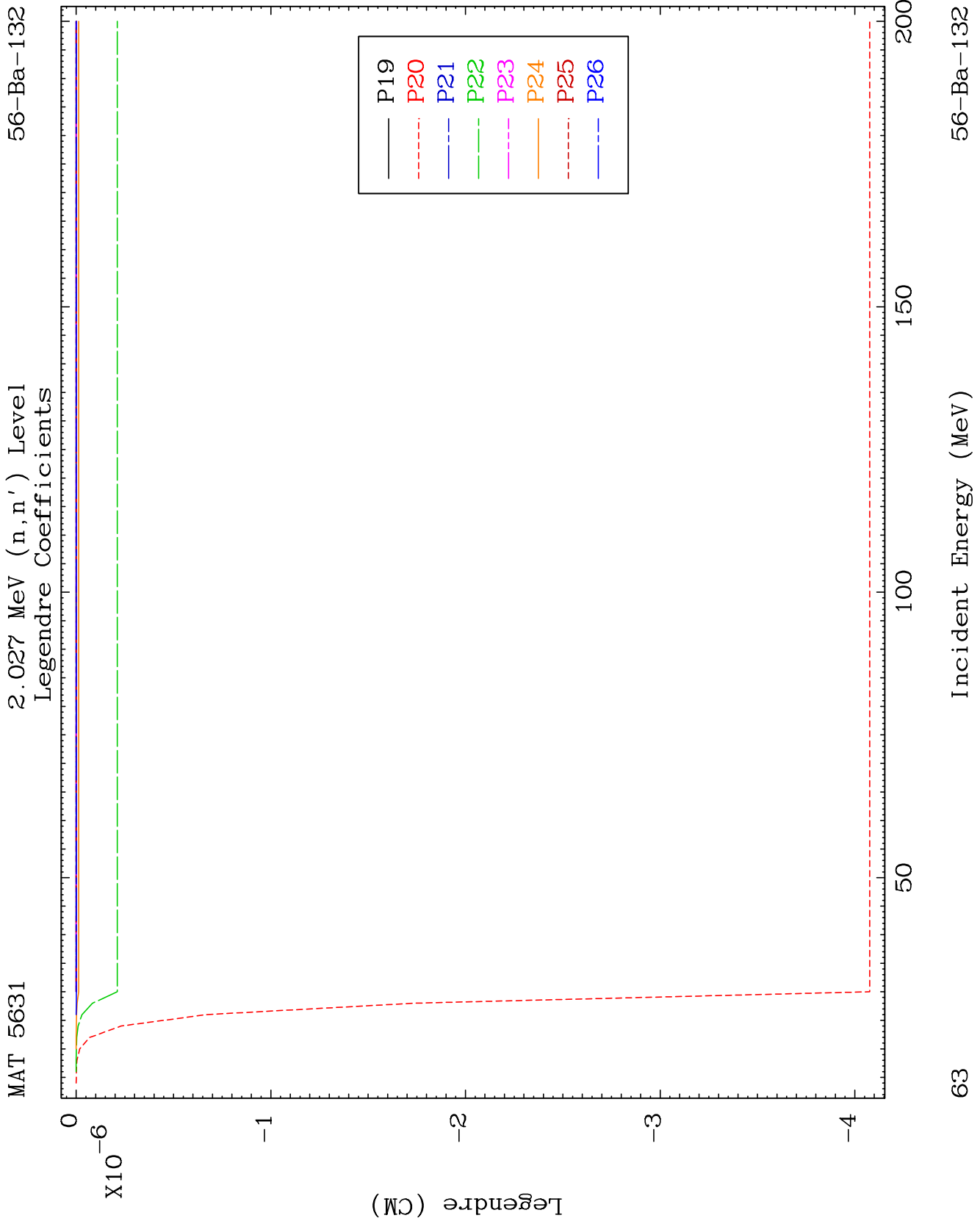
56-Ba-132

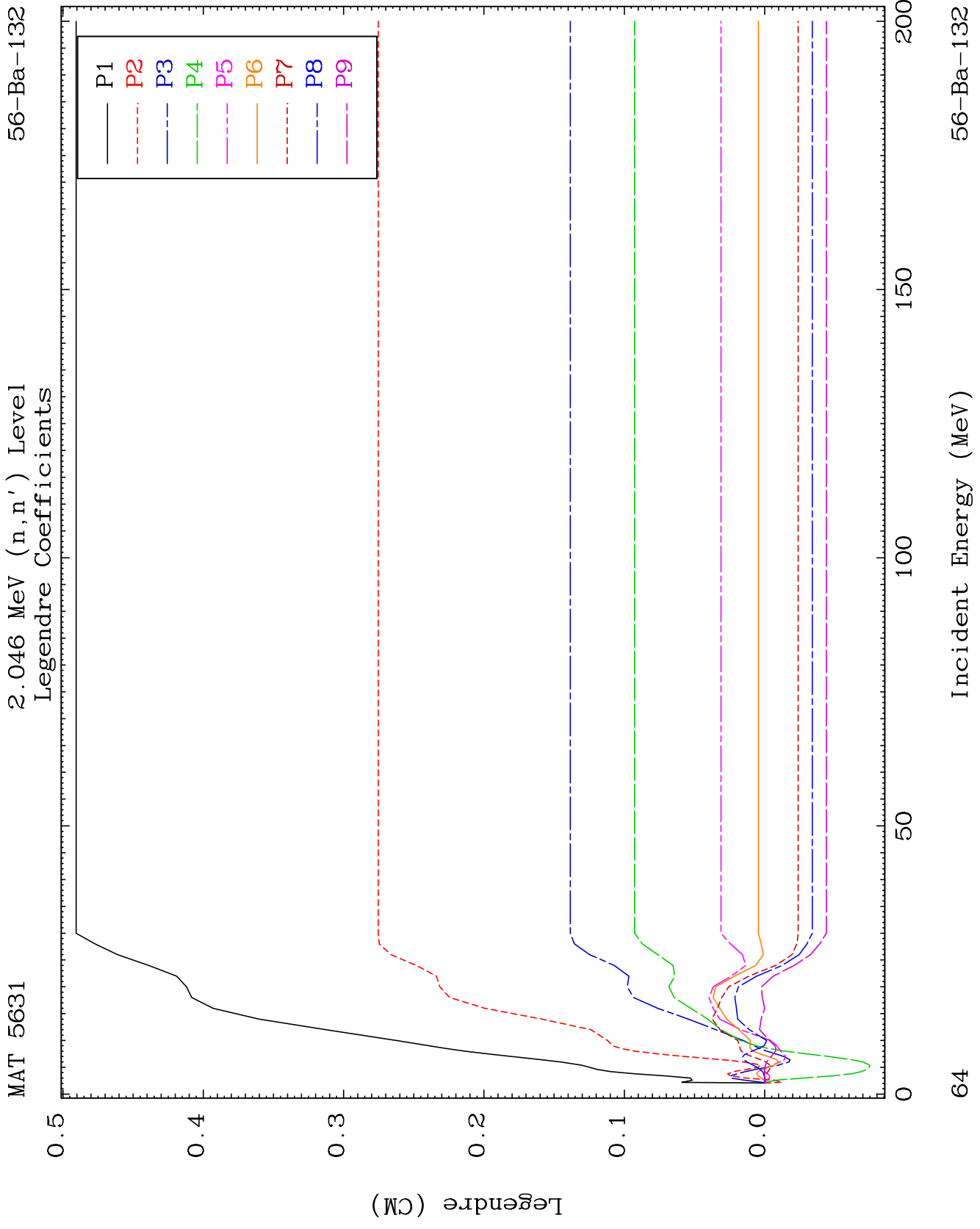


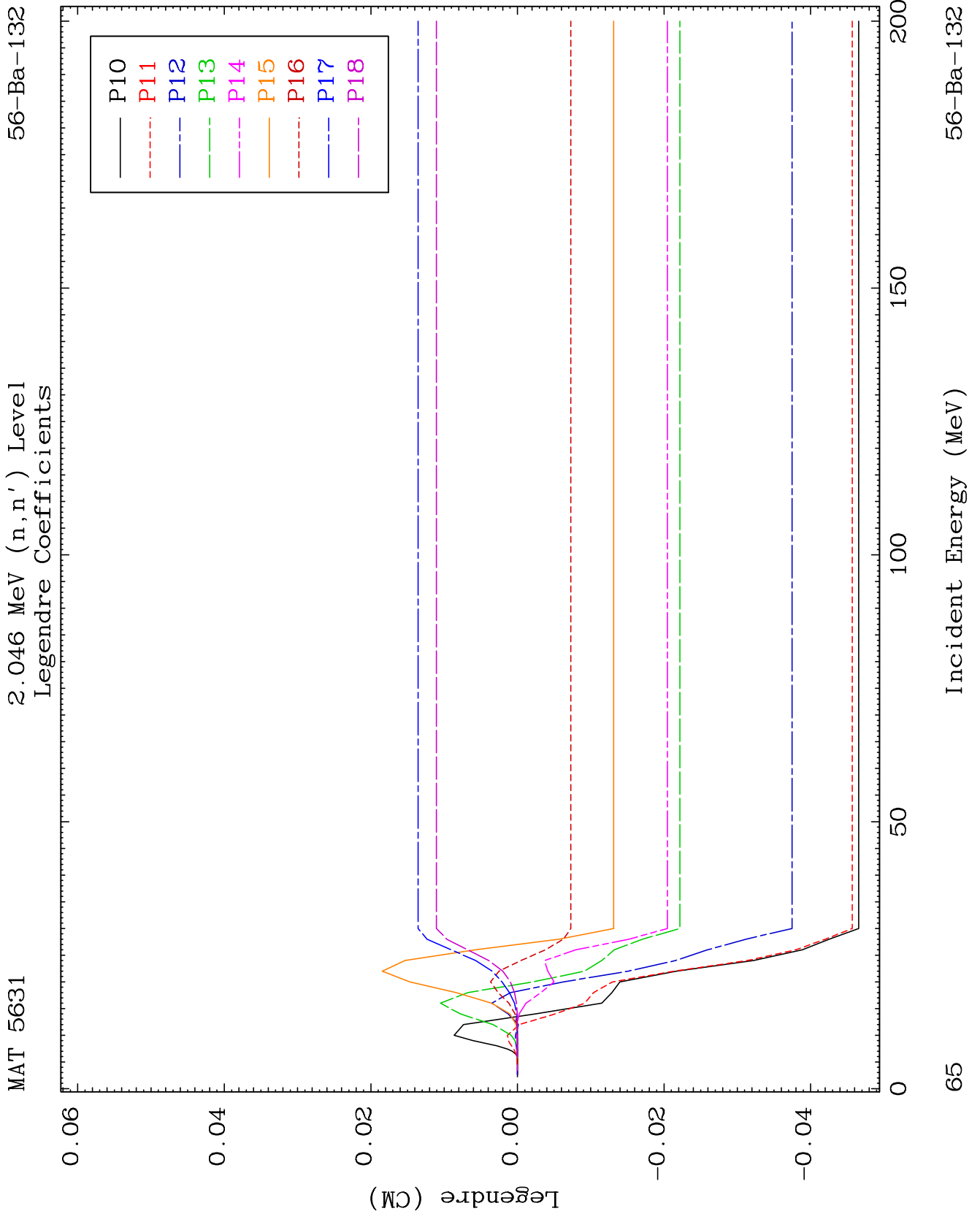


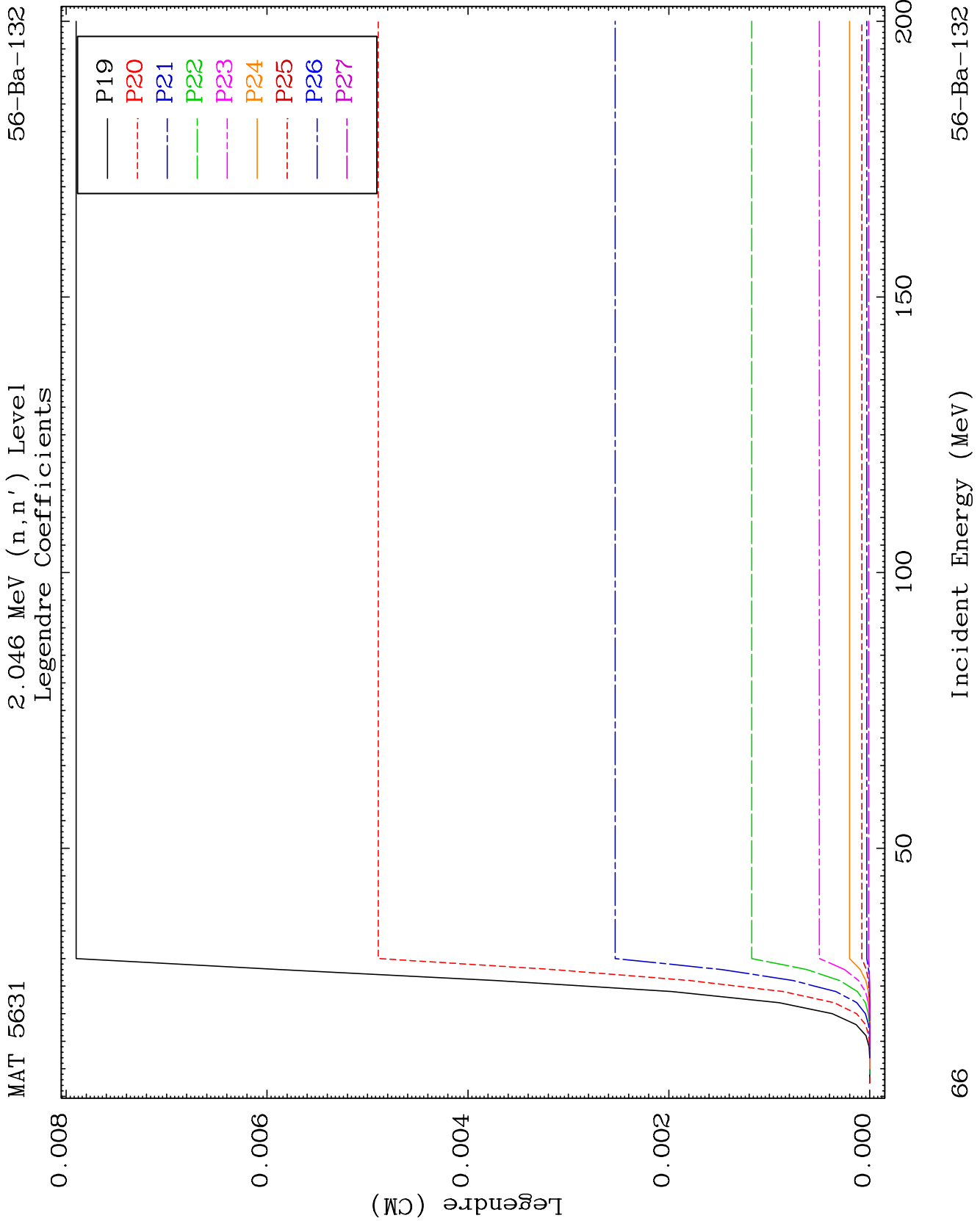








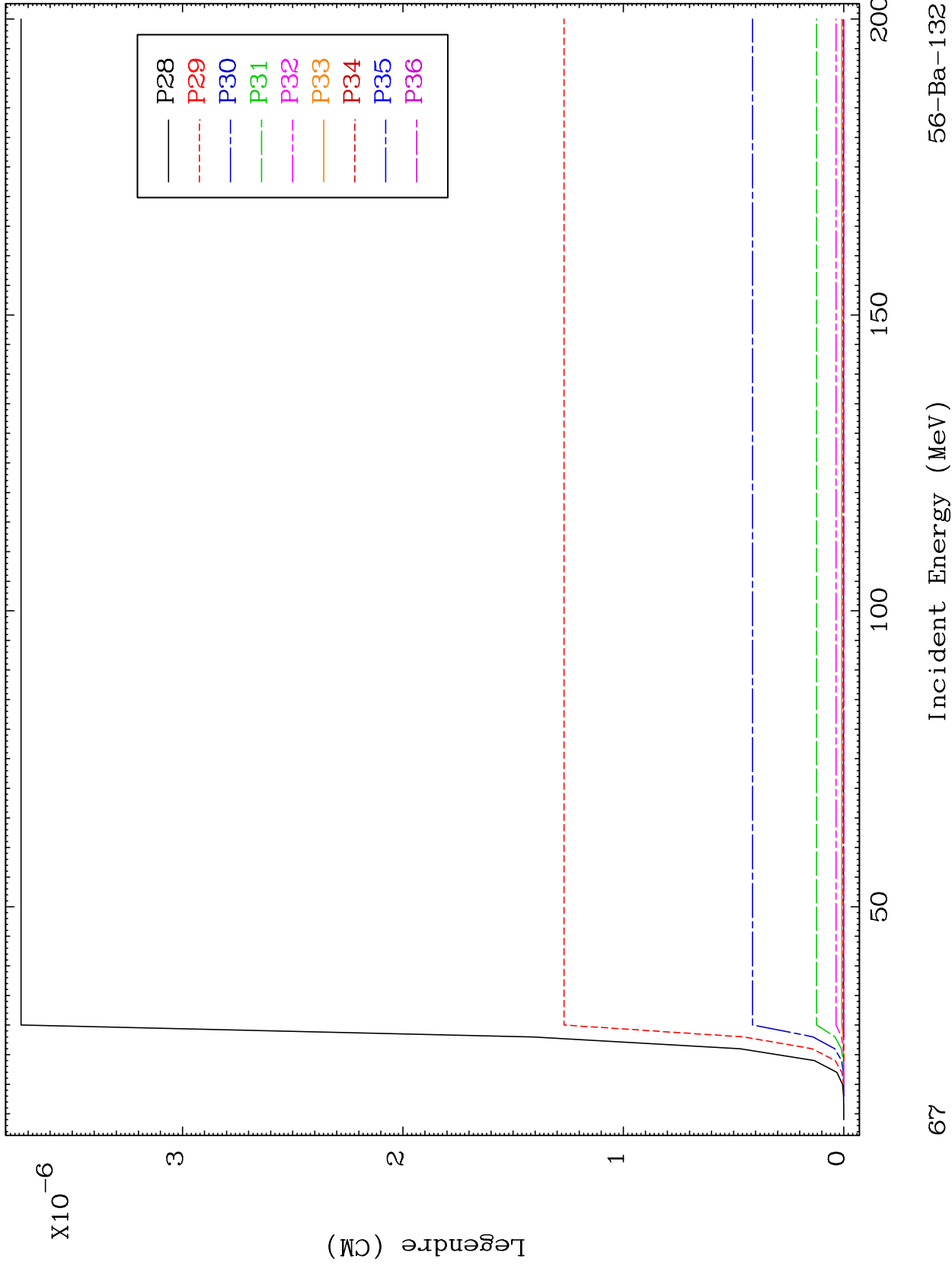


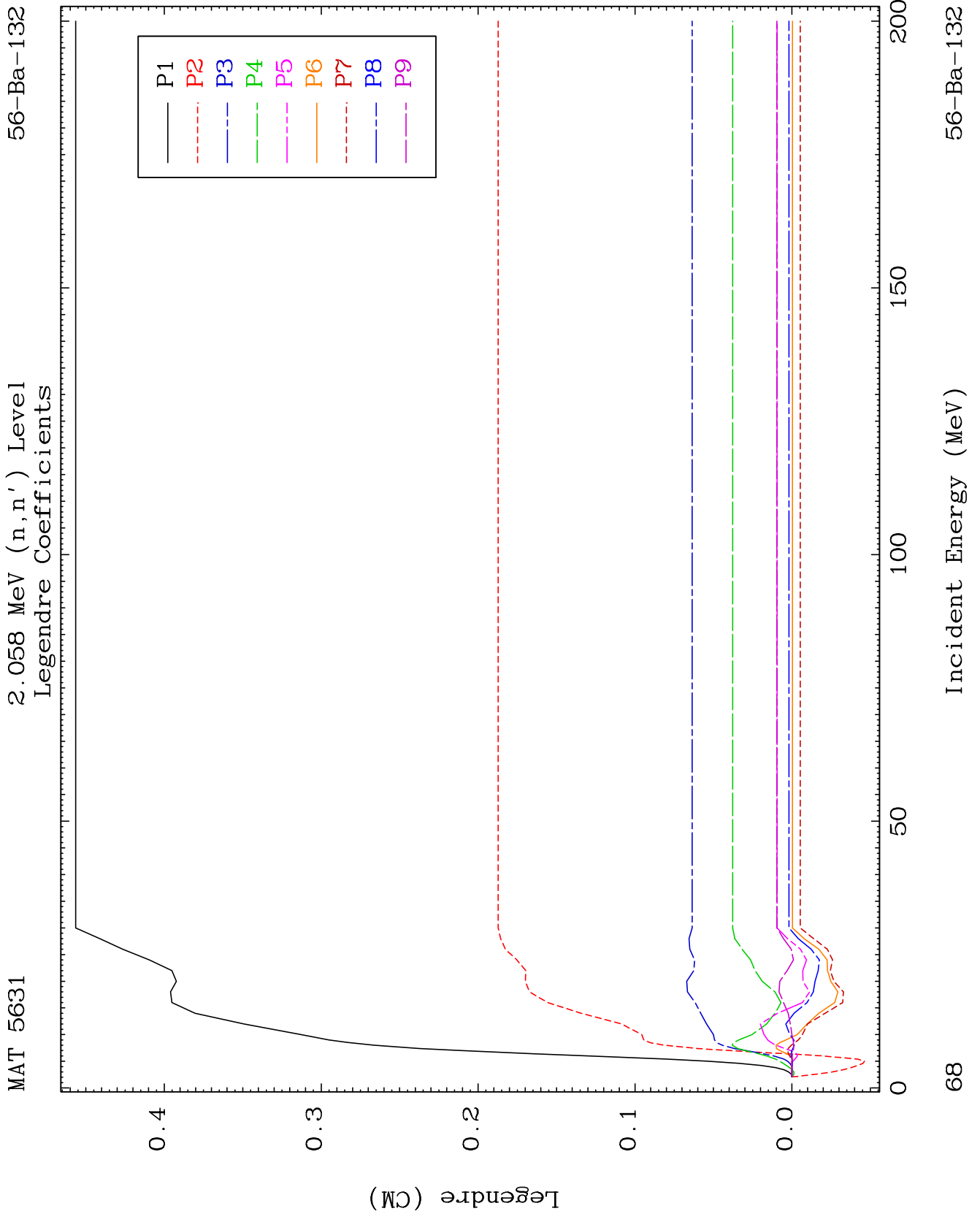


MAT 5631

2.046 MeV (n,n') Level
Legendre Coefficients

56-Ba-132

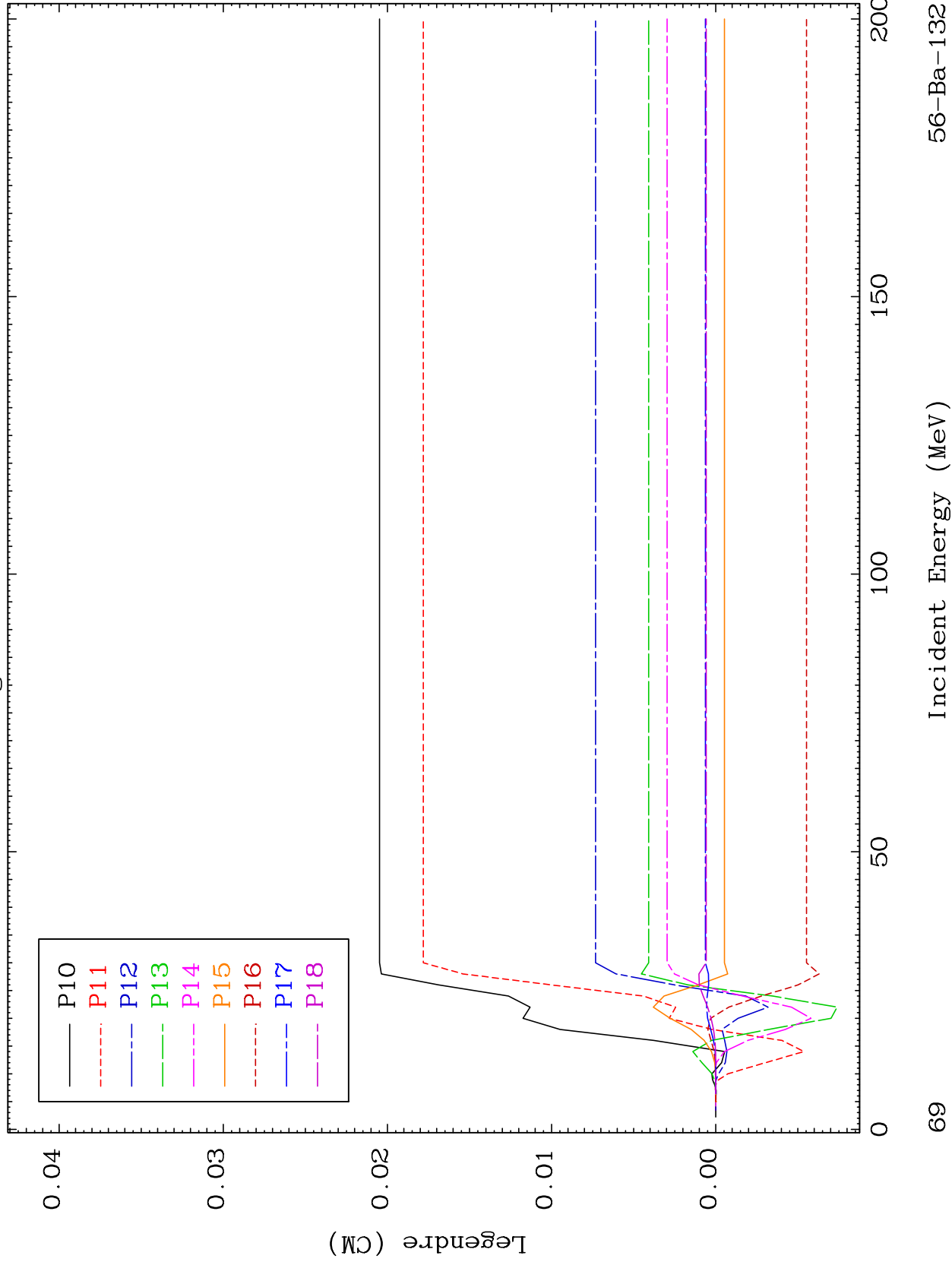




MAT 5631

2.058 MeV (n,n') Level
Legendre Coefficients

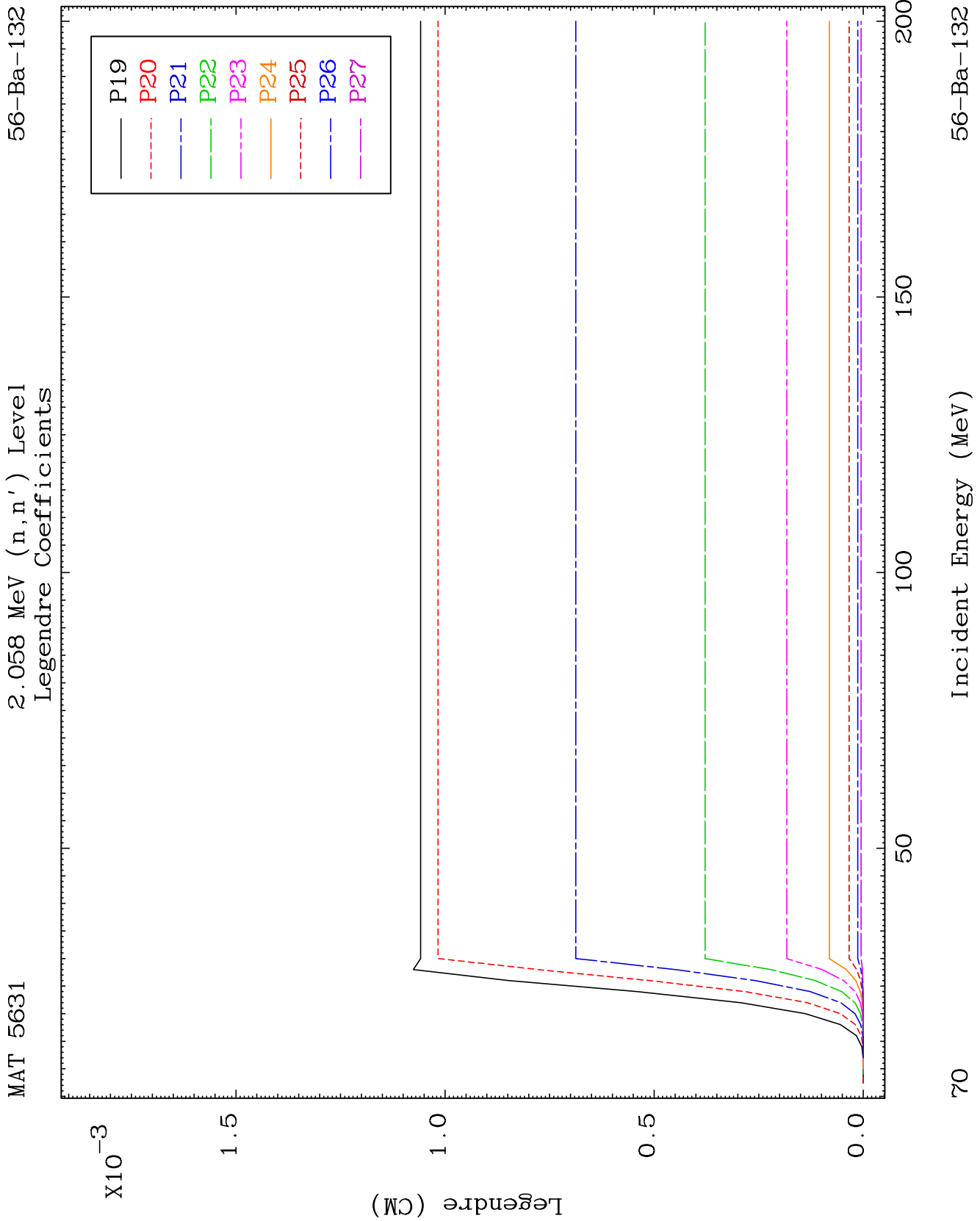
56-Ba-132



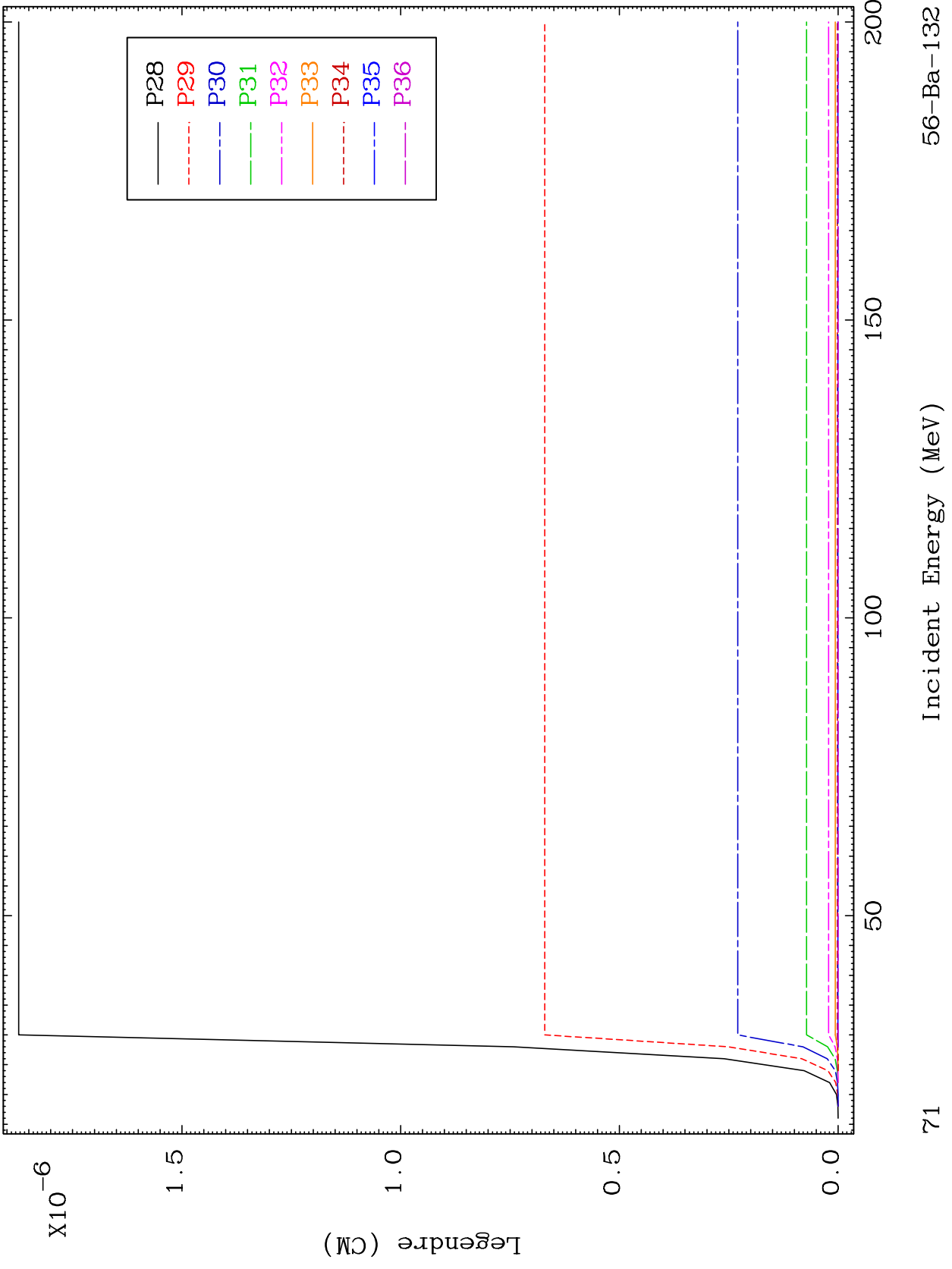
56-Ba-132

Incident Energy (MeV)

69



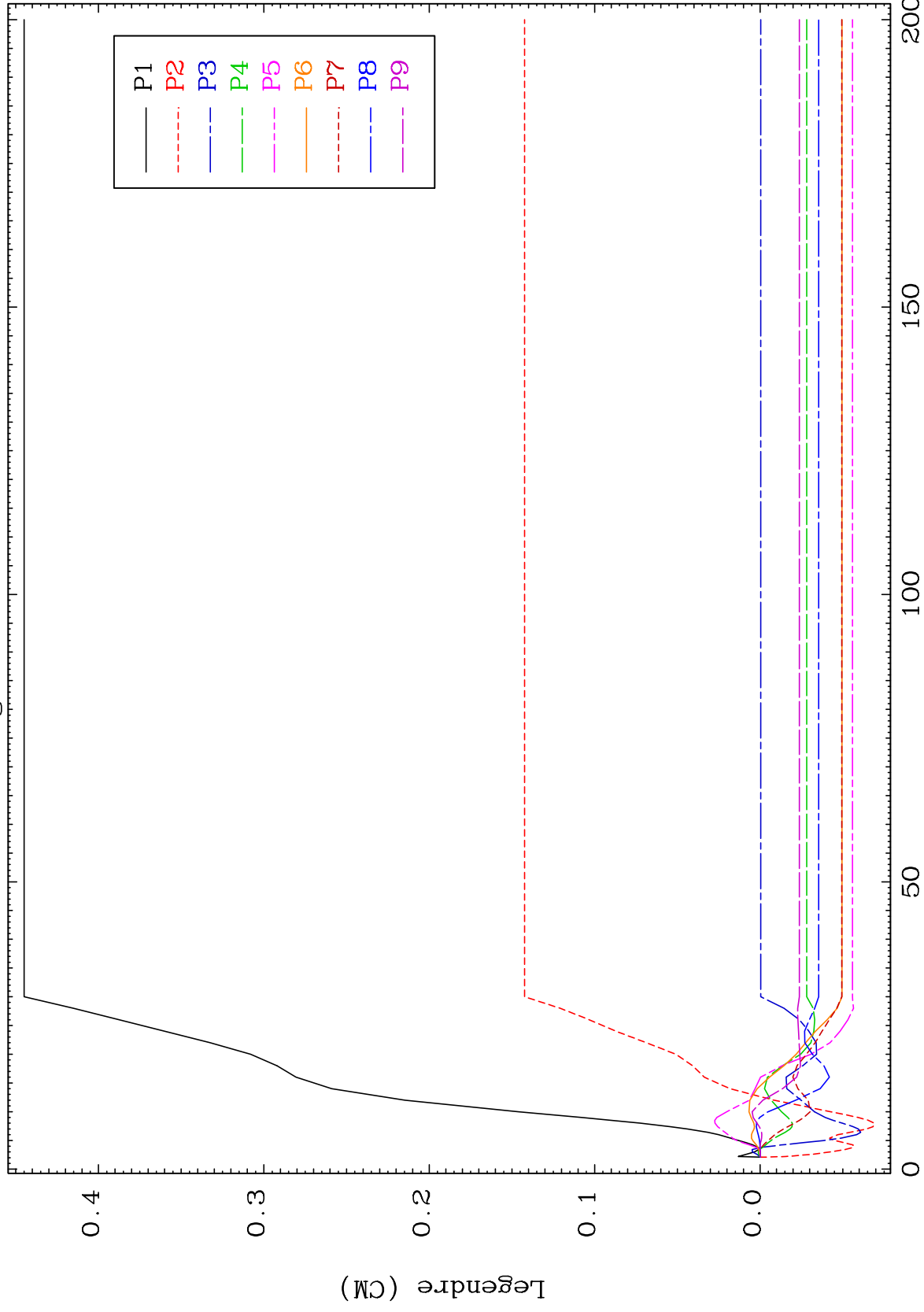
MAT 5631 2.058 MeV (n,n') Level 56-Ba-132



MAT 5631

2.069 MeV (n, n') Level
Legendre Coefficients

56-Ba-132



72

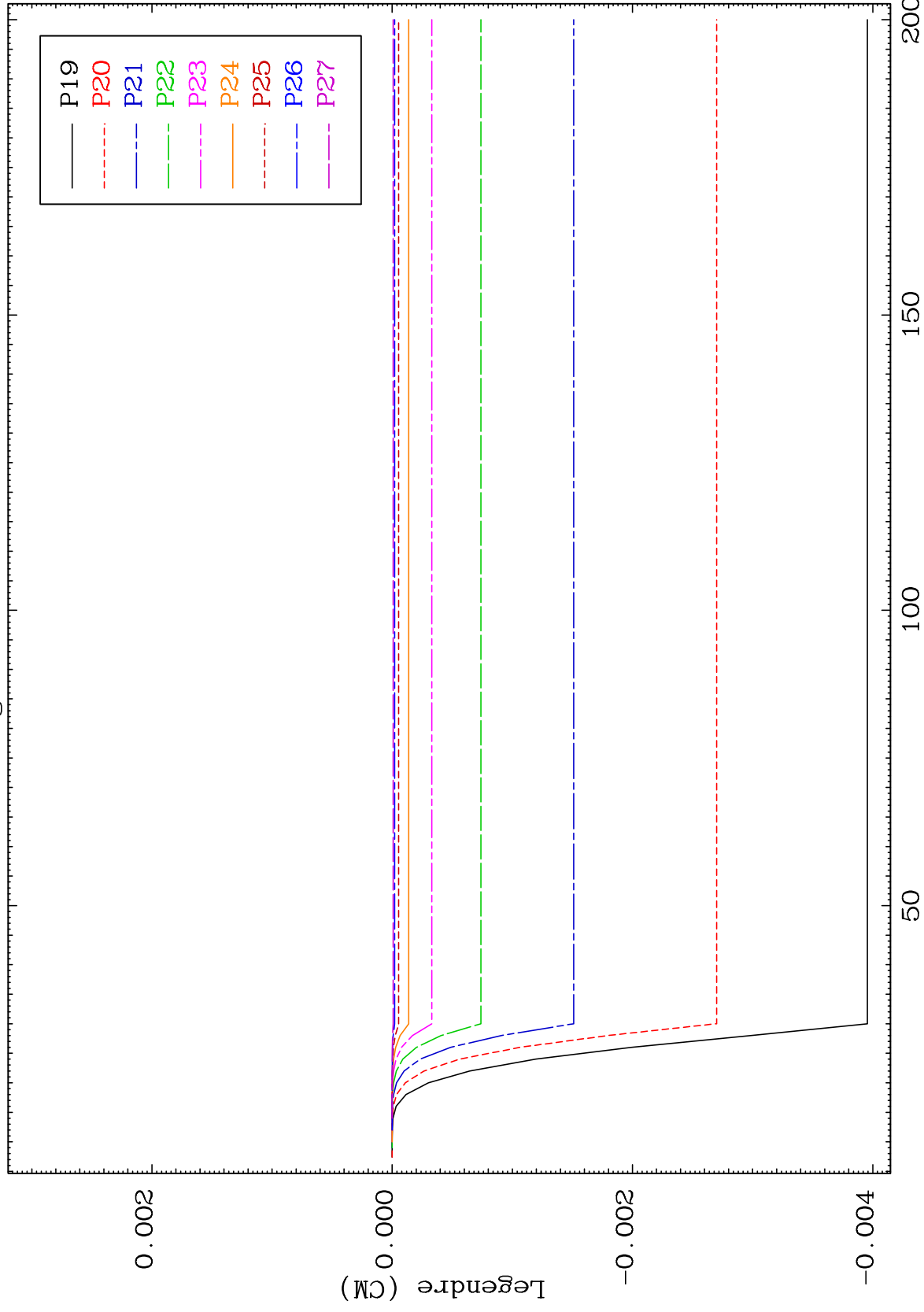
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.069 MeV (n,n') Level
Legendre Coefficients

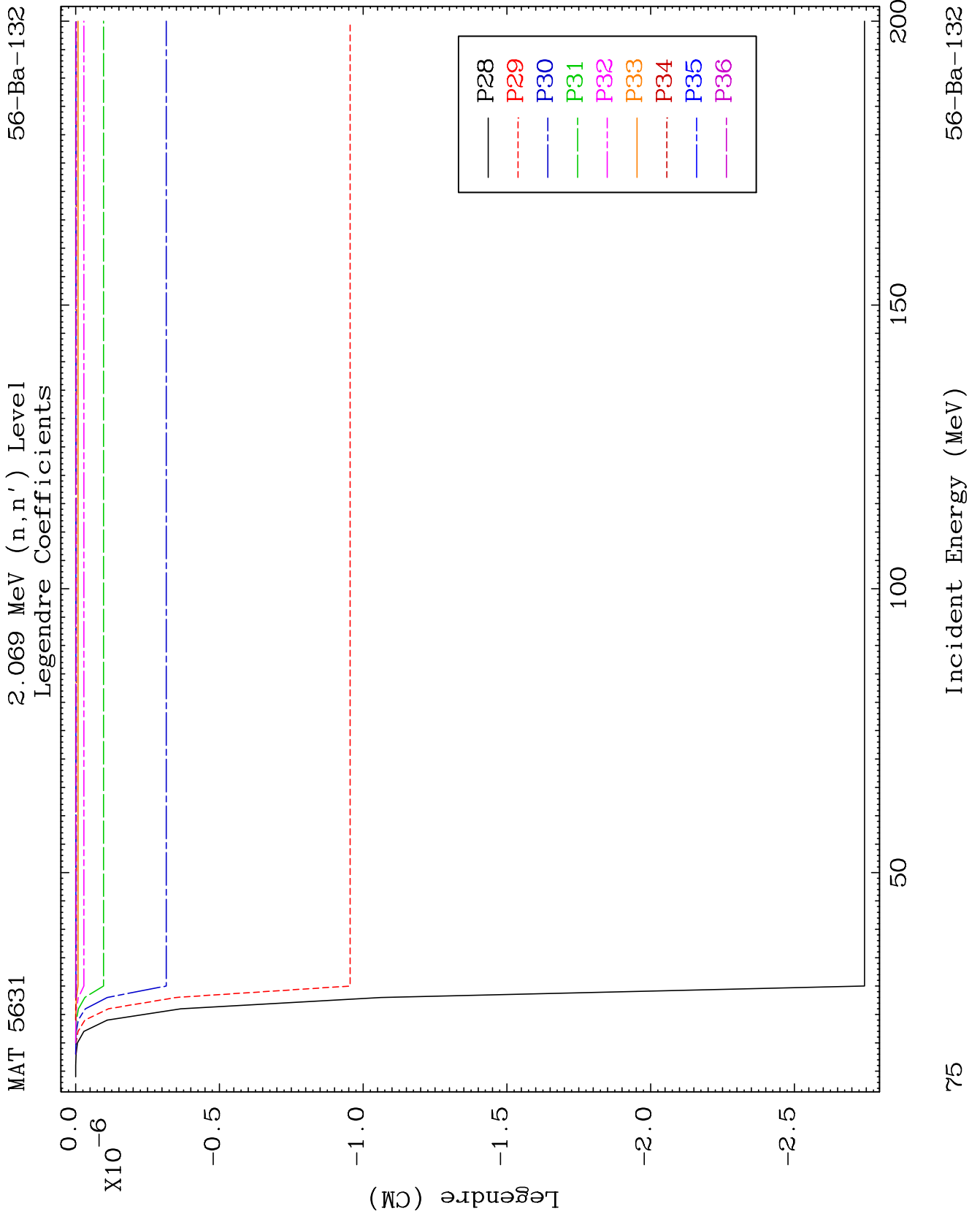
56-Ba-132



74

Incident Energy (MeV)

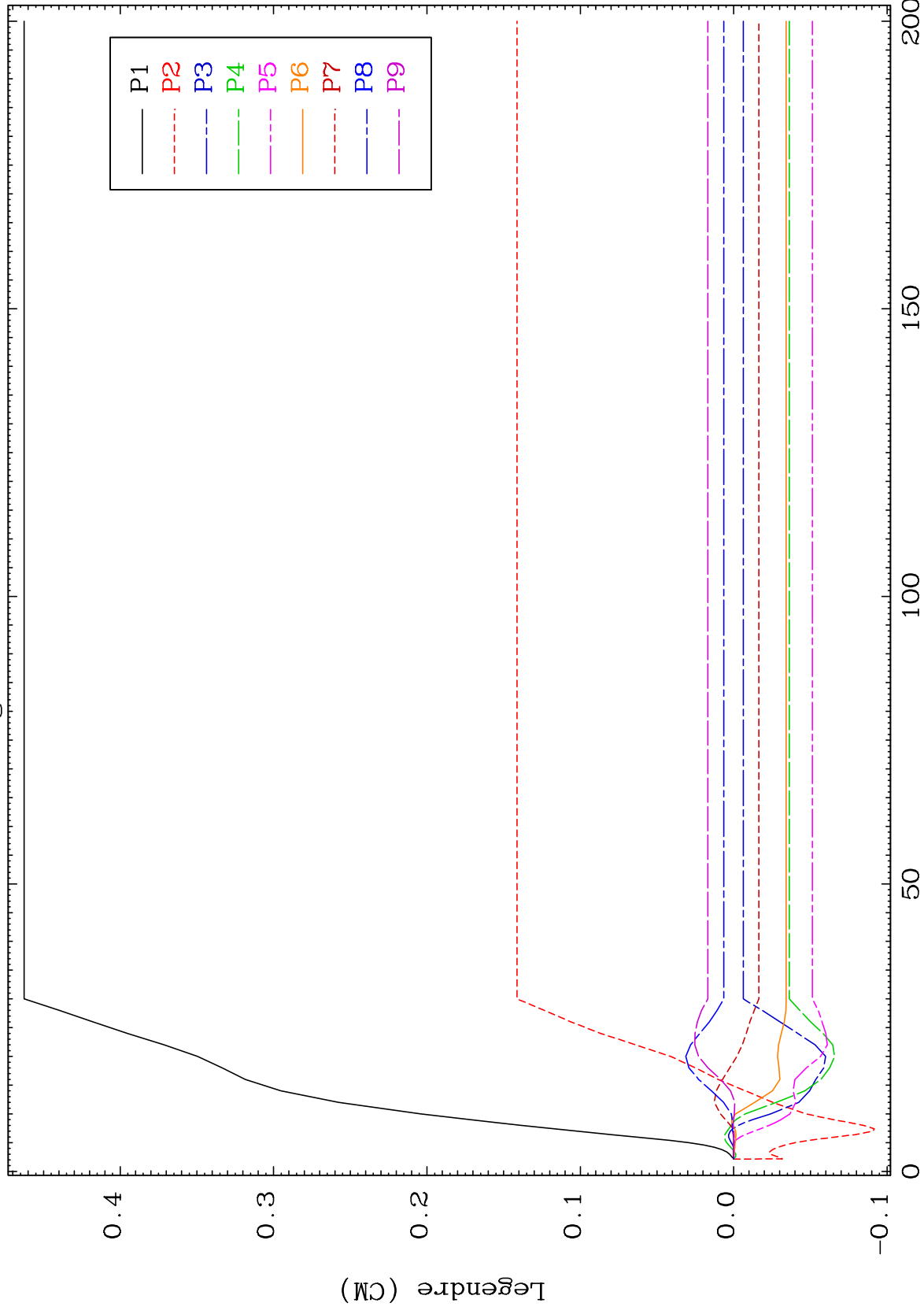
56-Ba-132



MAT 5631

2.120 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



76

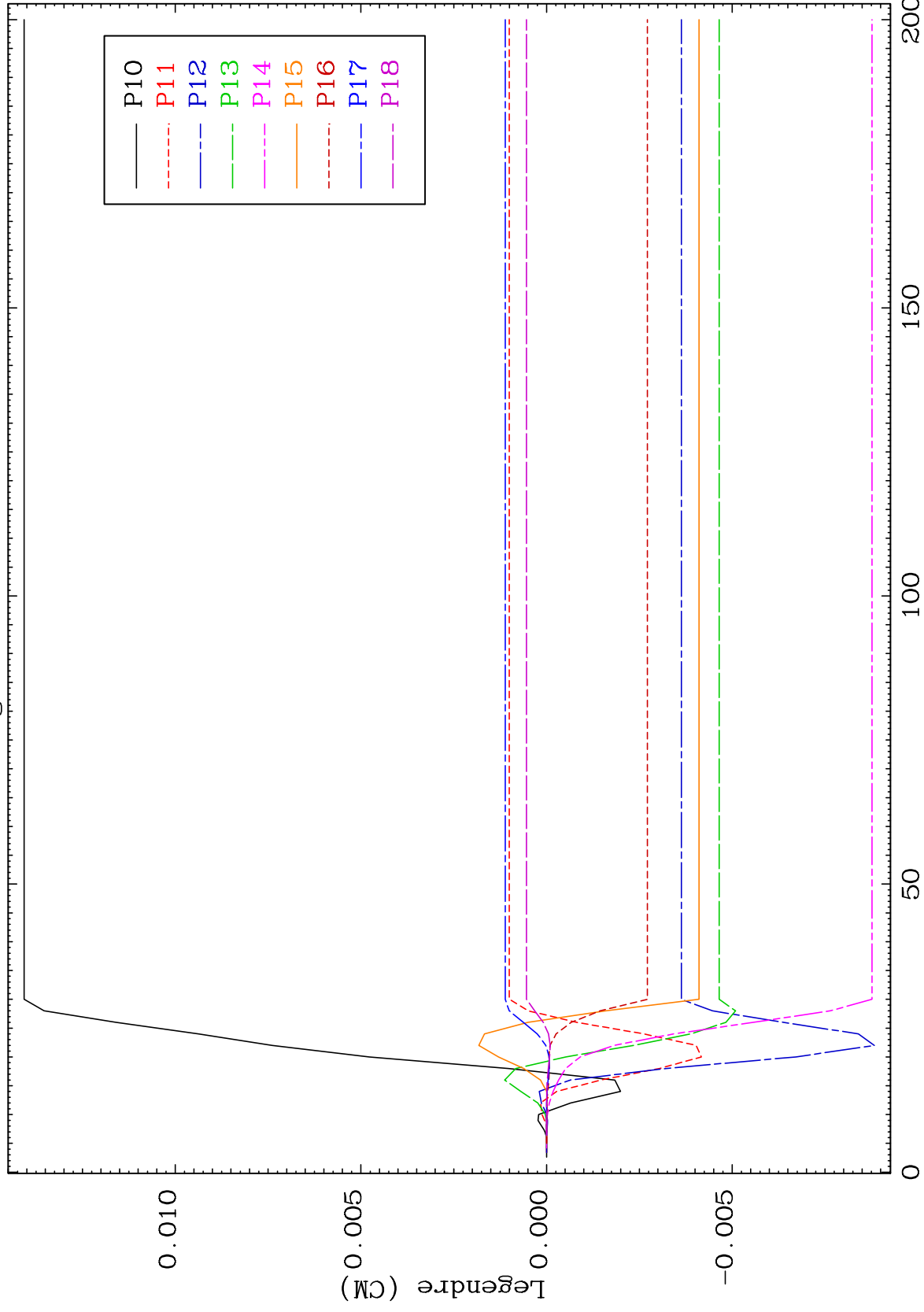
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.120 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



77

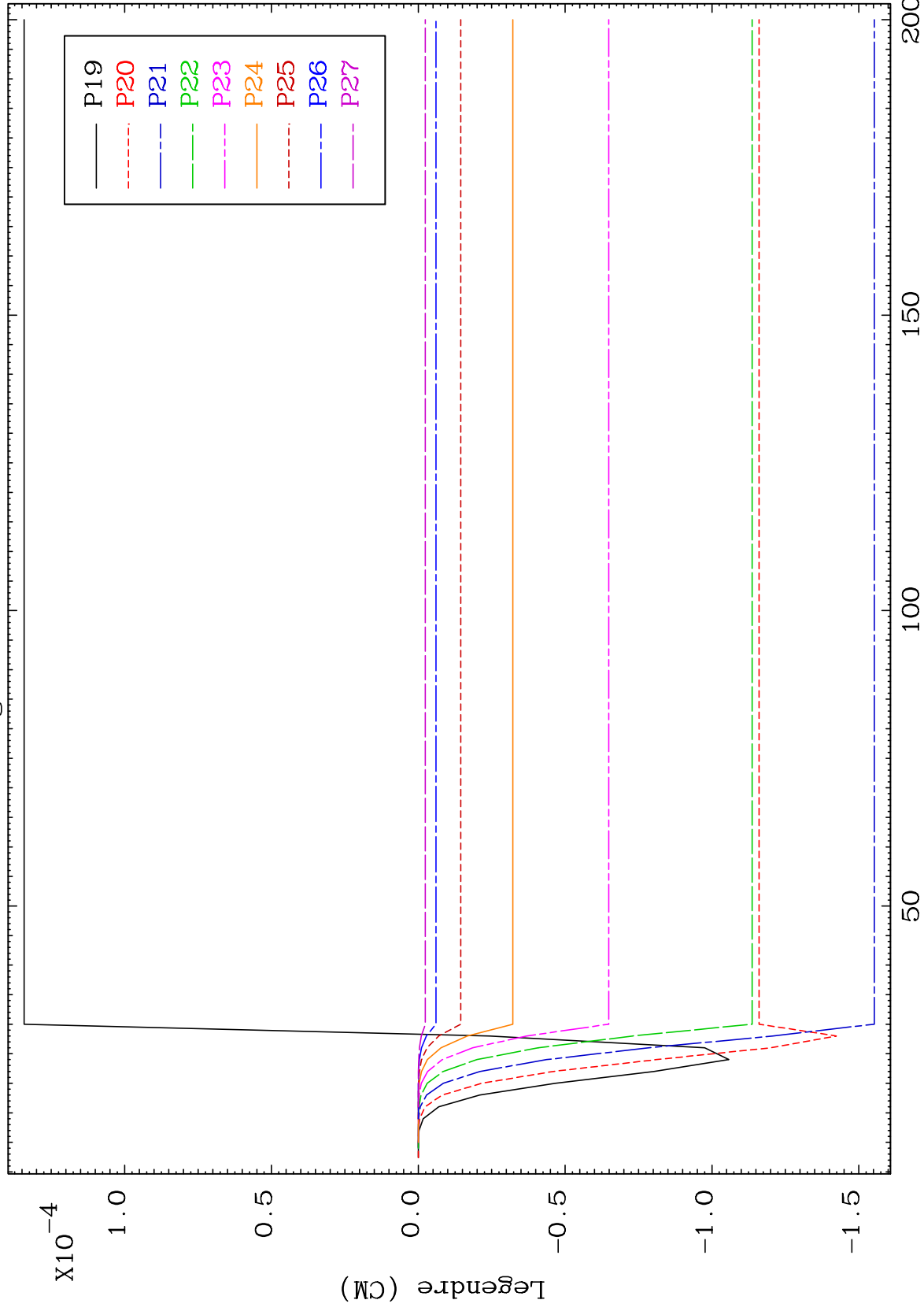
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.120 MeV (n, n') Level
Legendre Coefficients

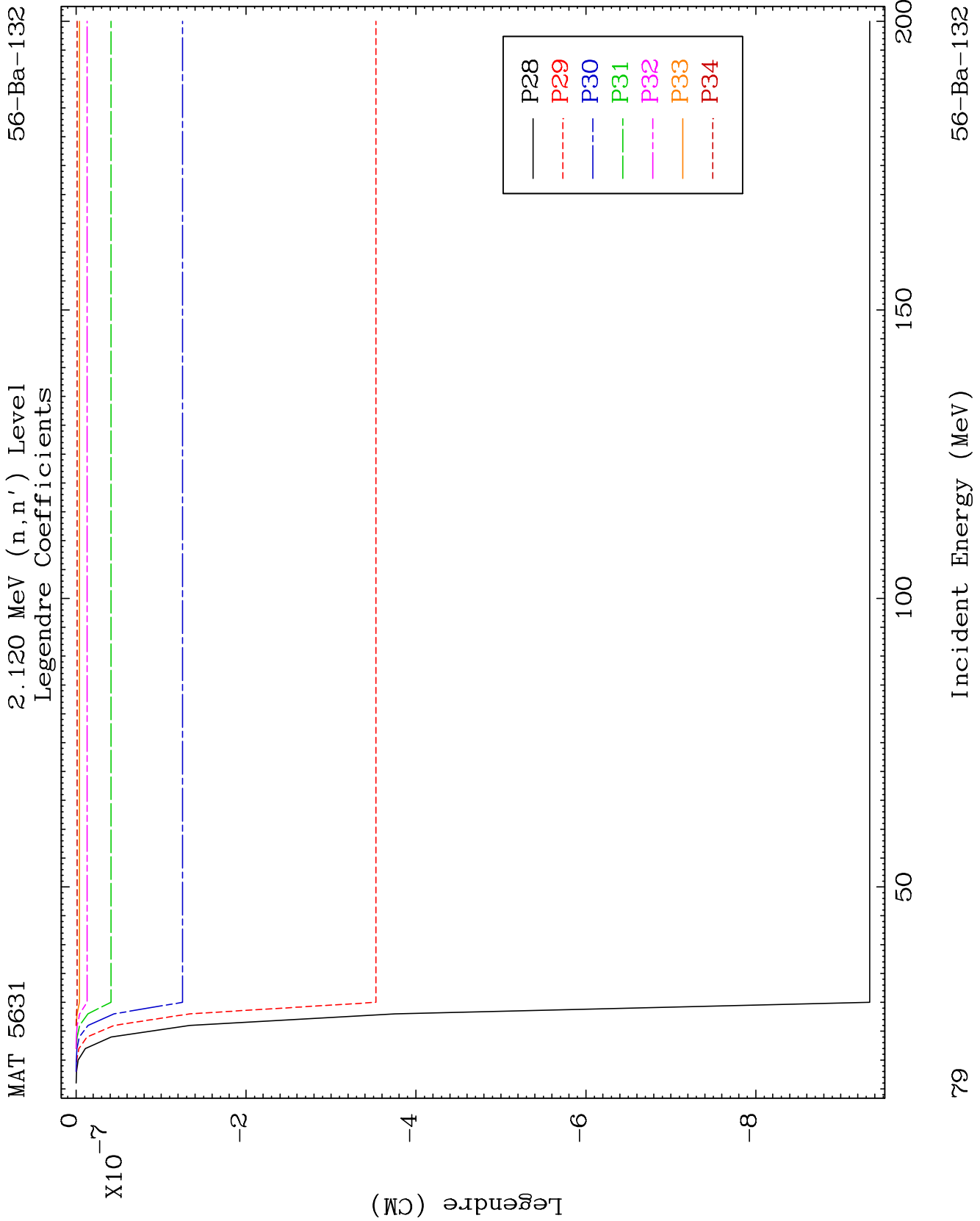
56-Ba-132



78

Incident Energy (MeV)

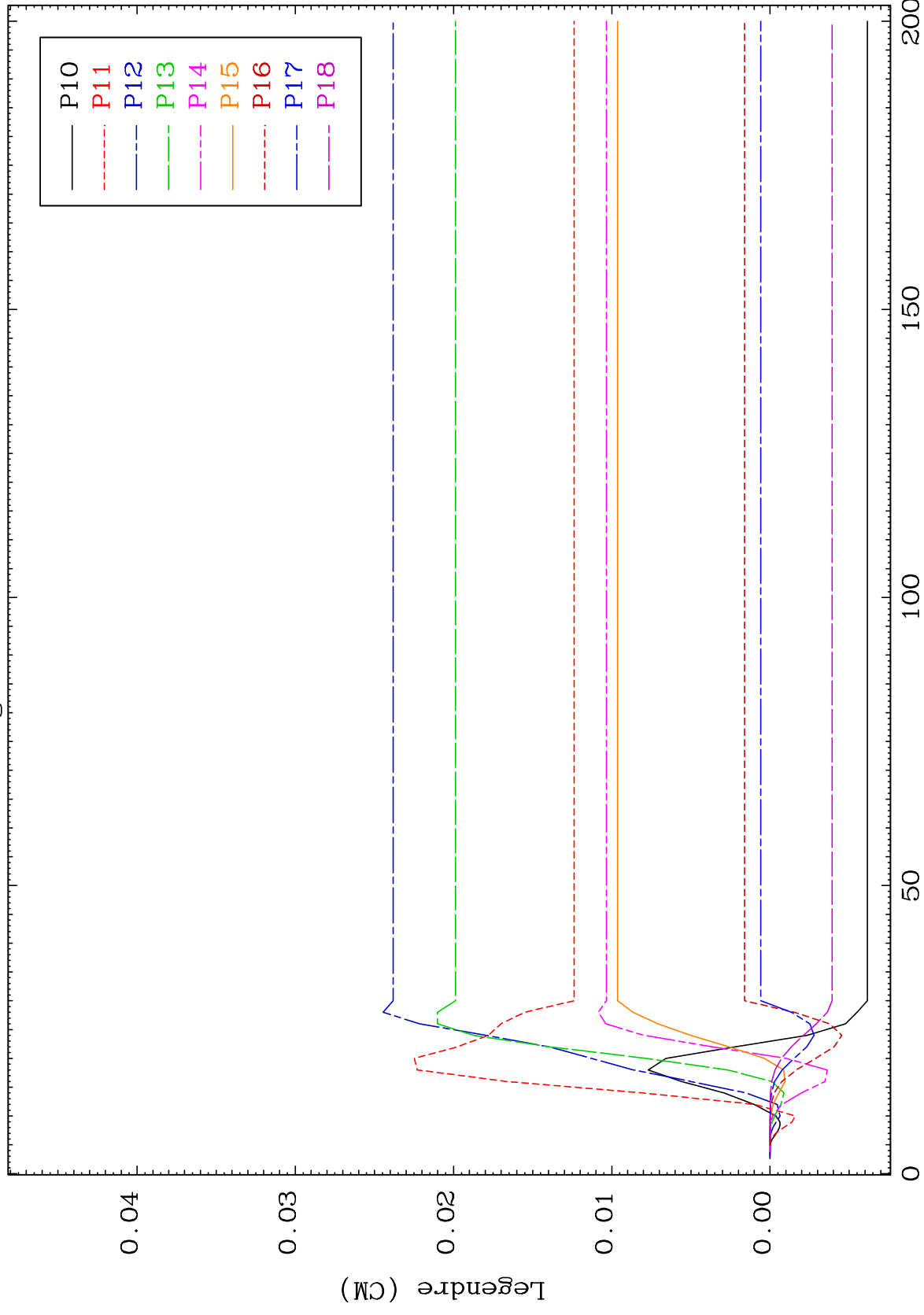
56-Ba-132



MAT 5631

2.220 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



81

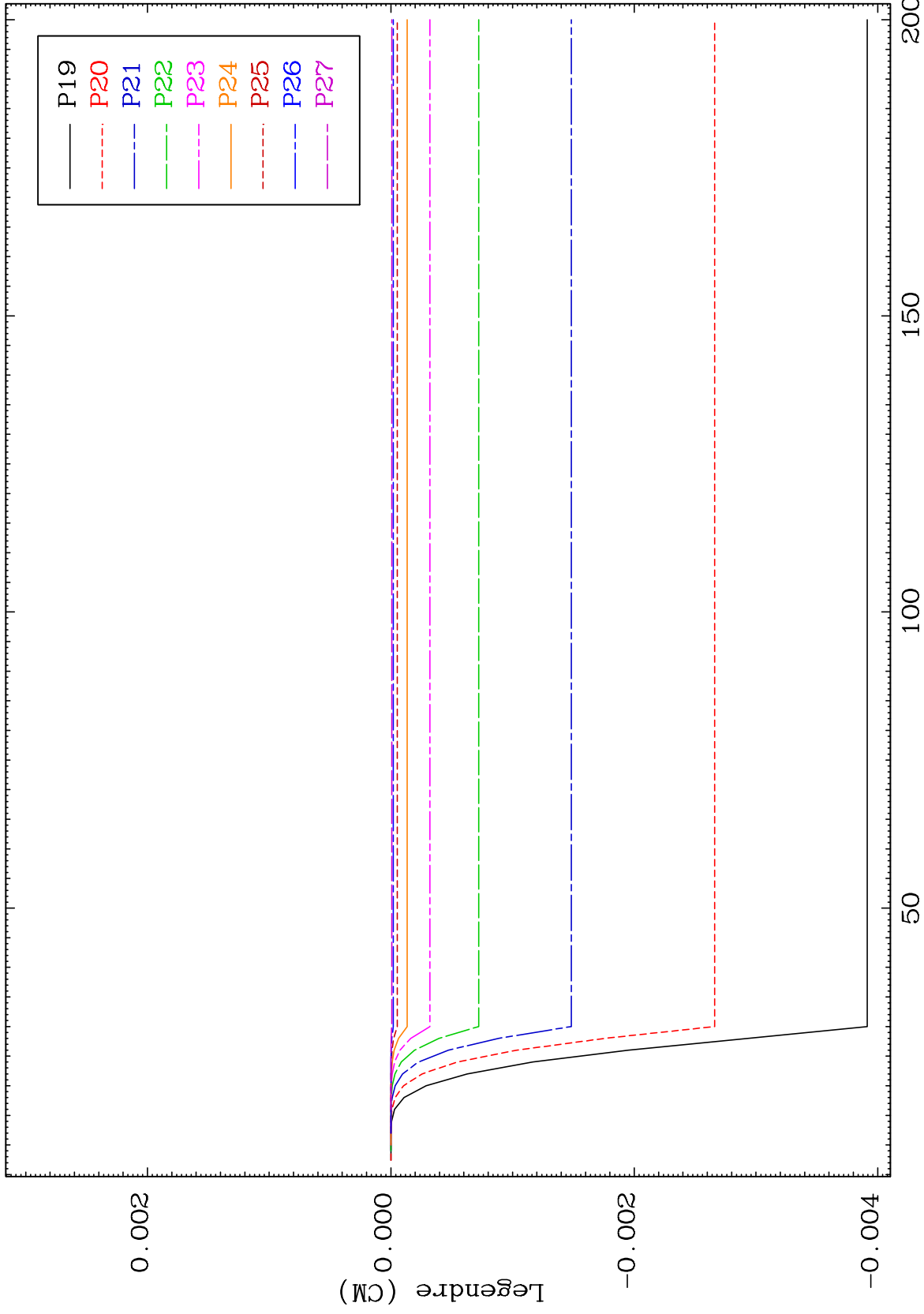
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.220 MeV (n,n') Level
Legendre Coefficients

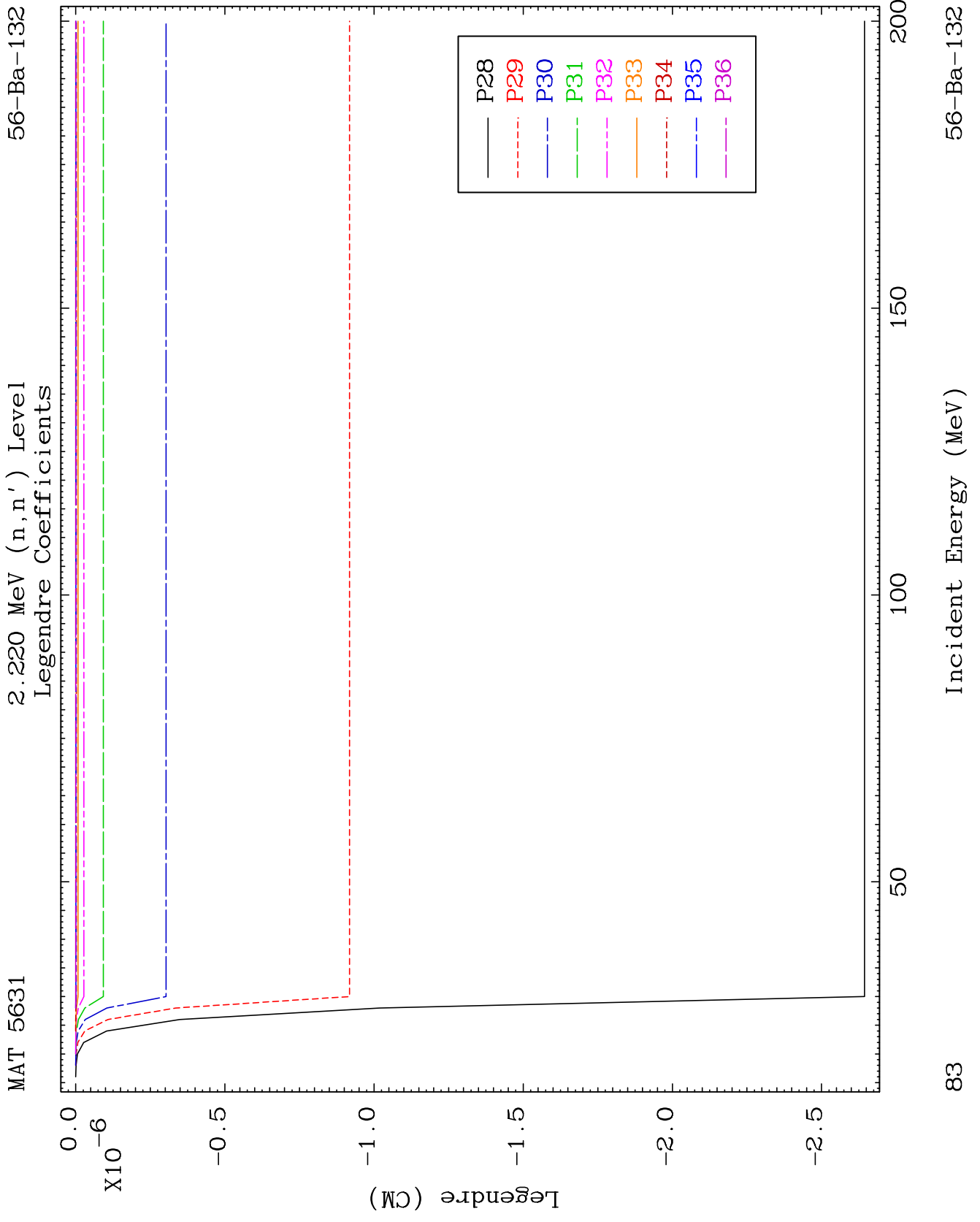
56-Ba-132

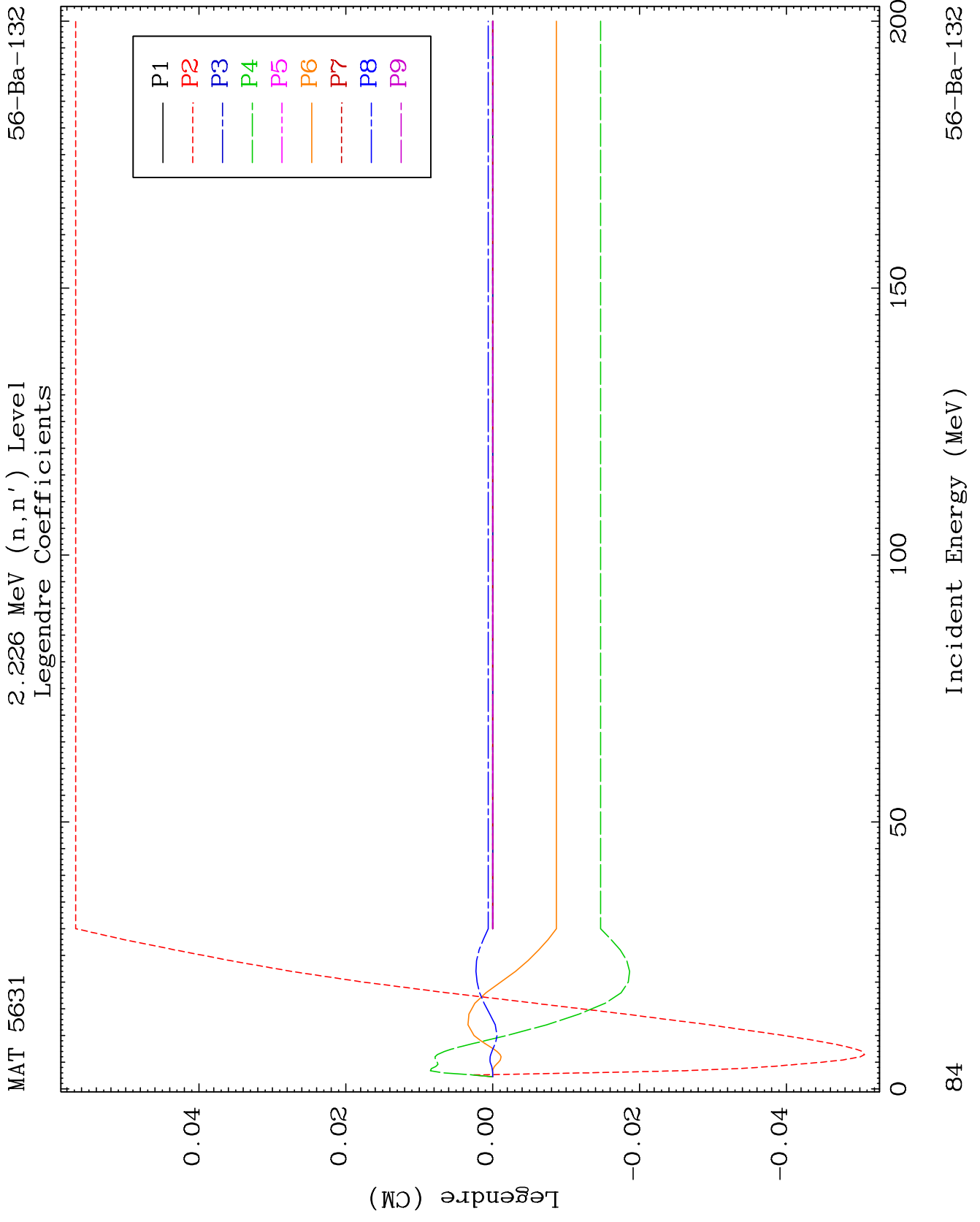


82

Incident Energy (MeV)

56-Ba-132

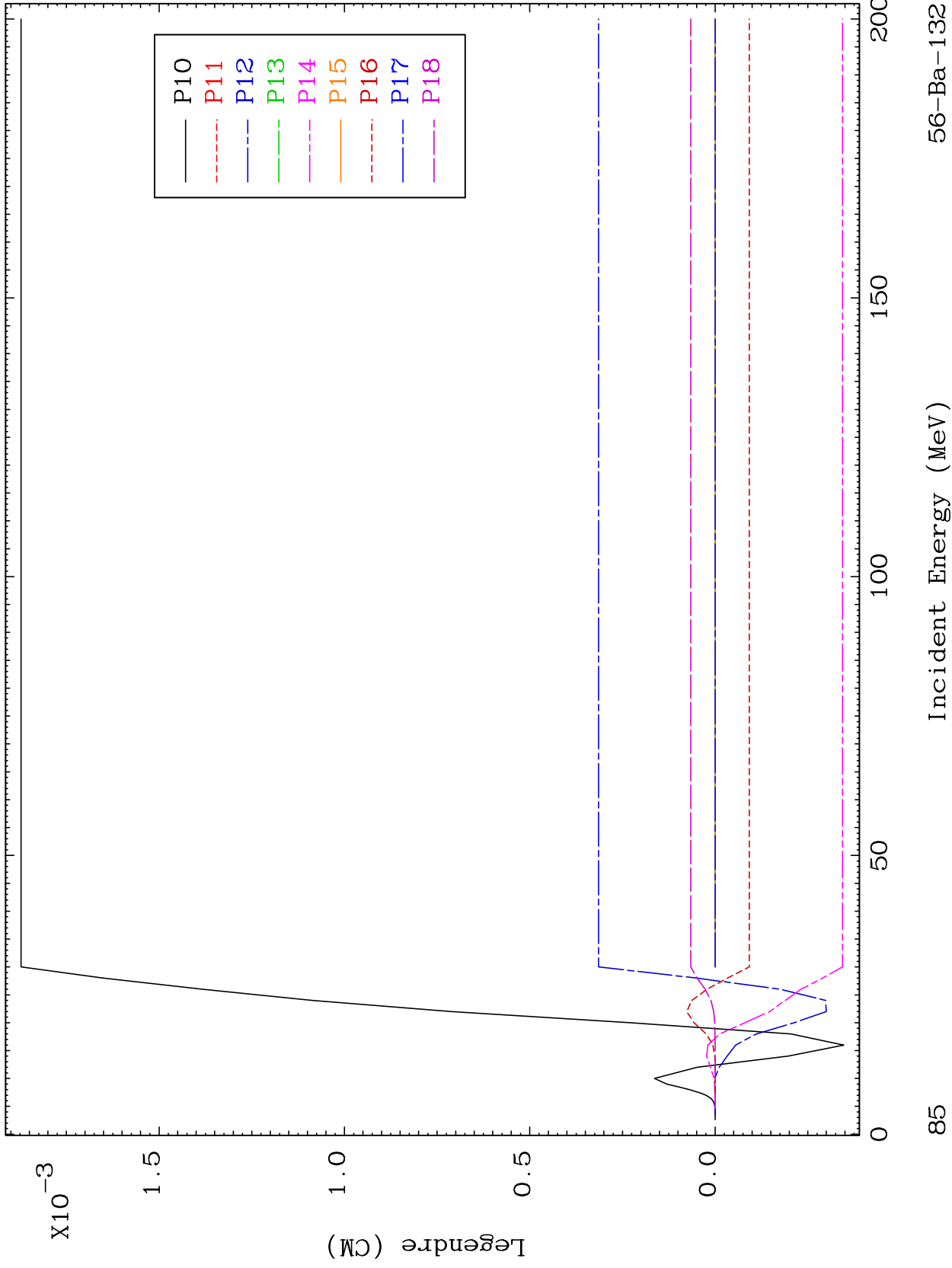




MAT 5631

2.226 MeV (n, n') Level
Legendre Coefficients

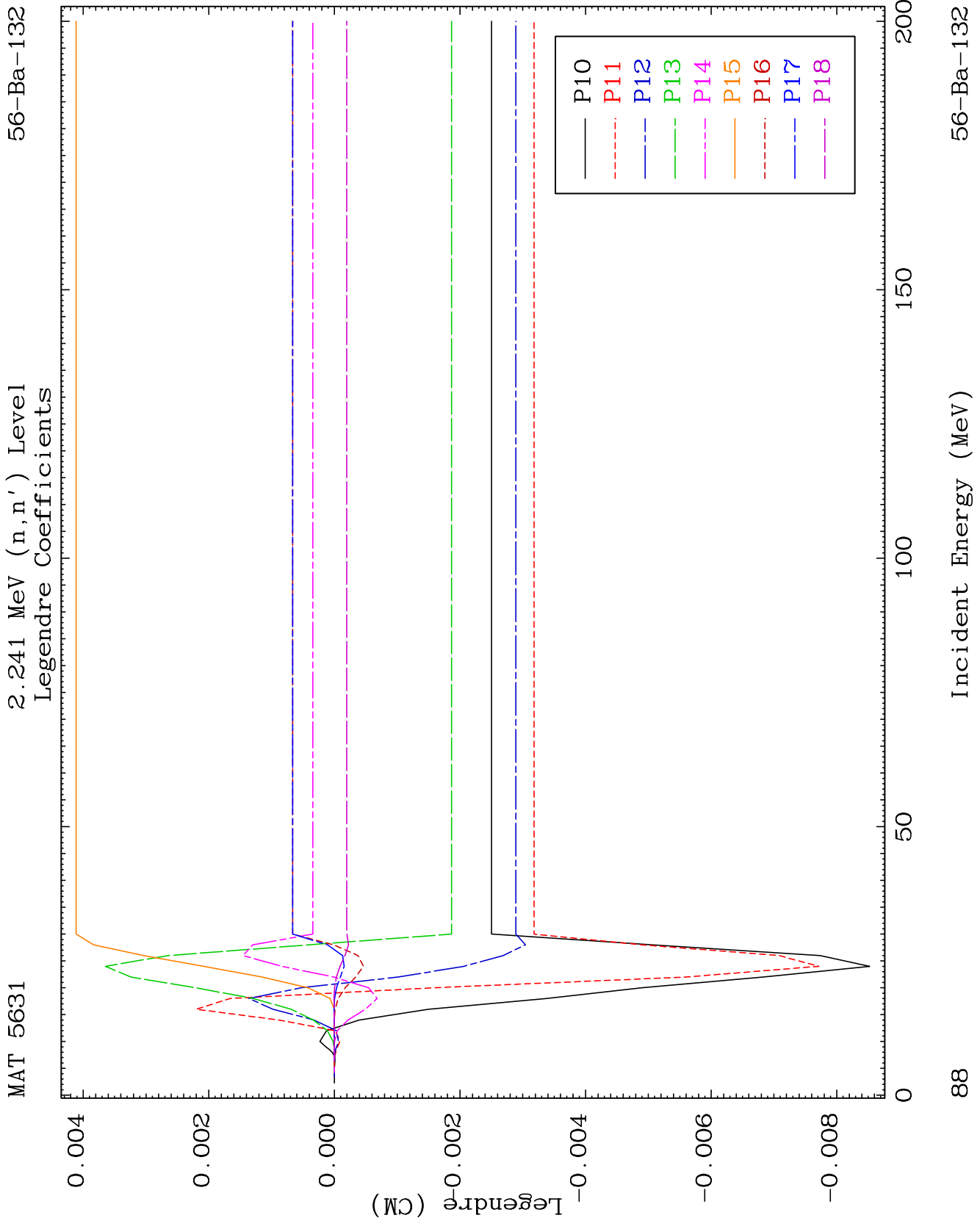
56-Ba-132

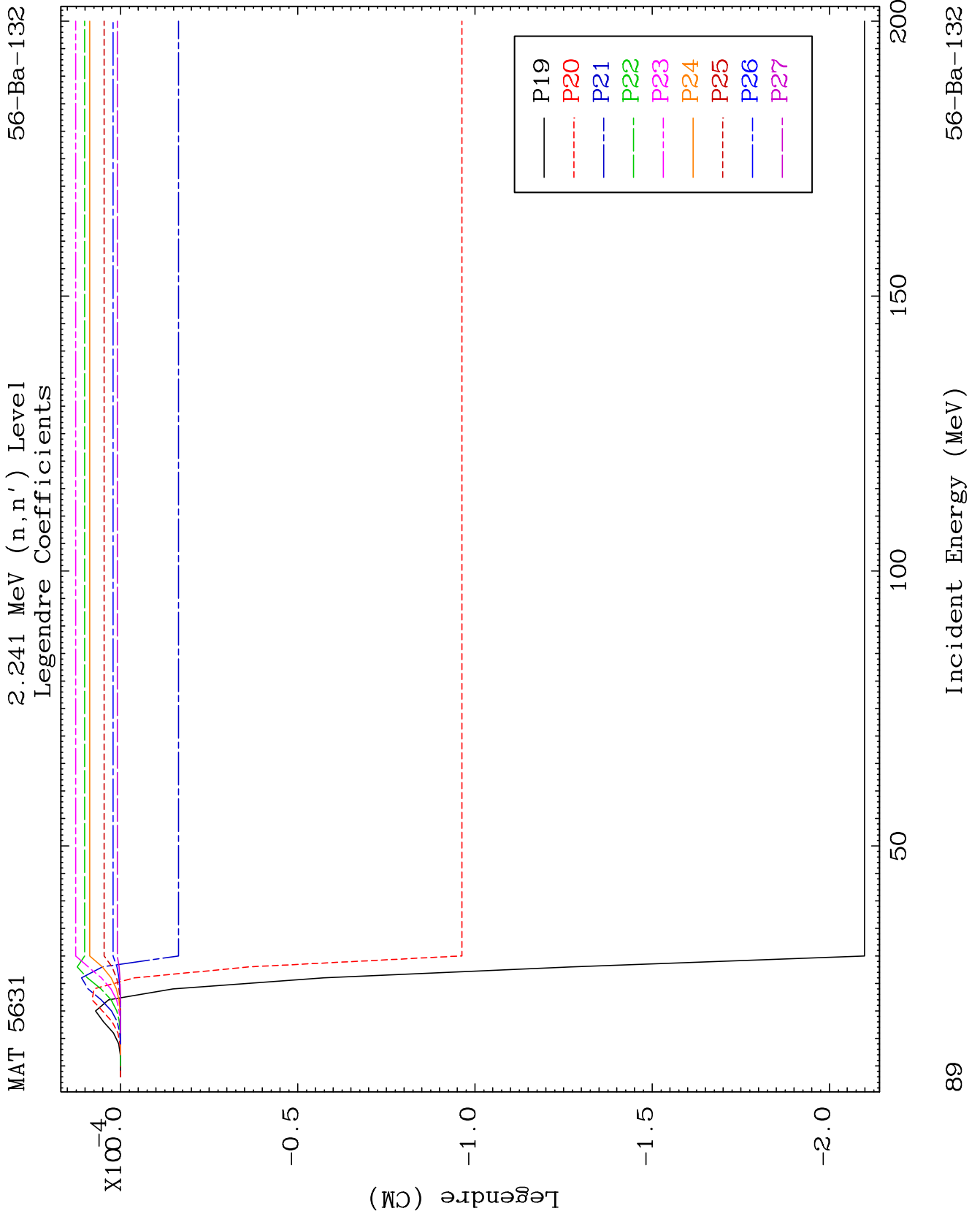


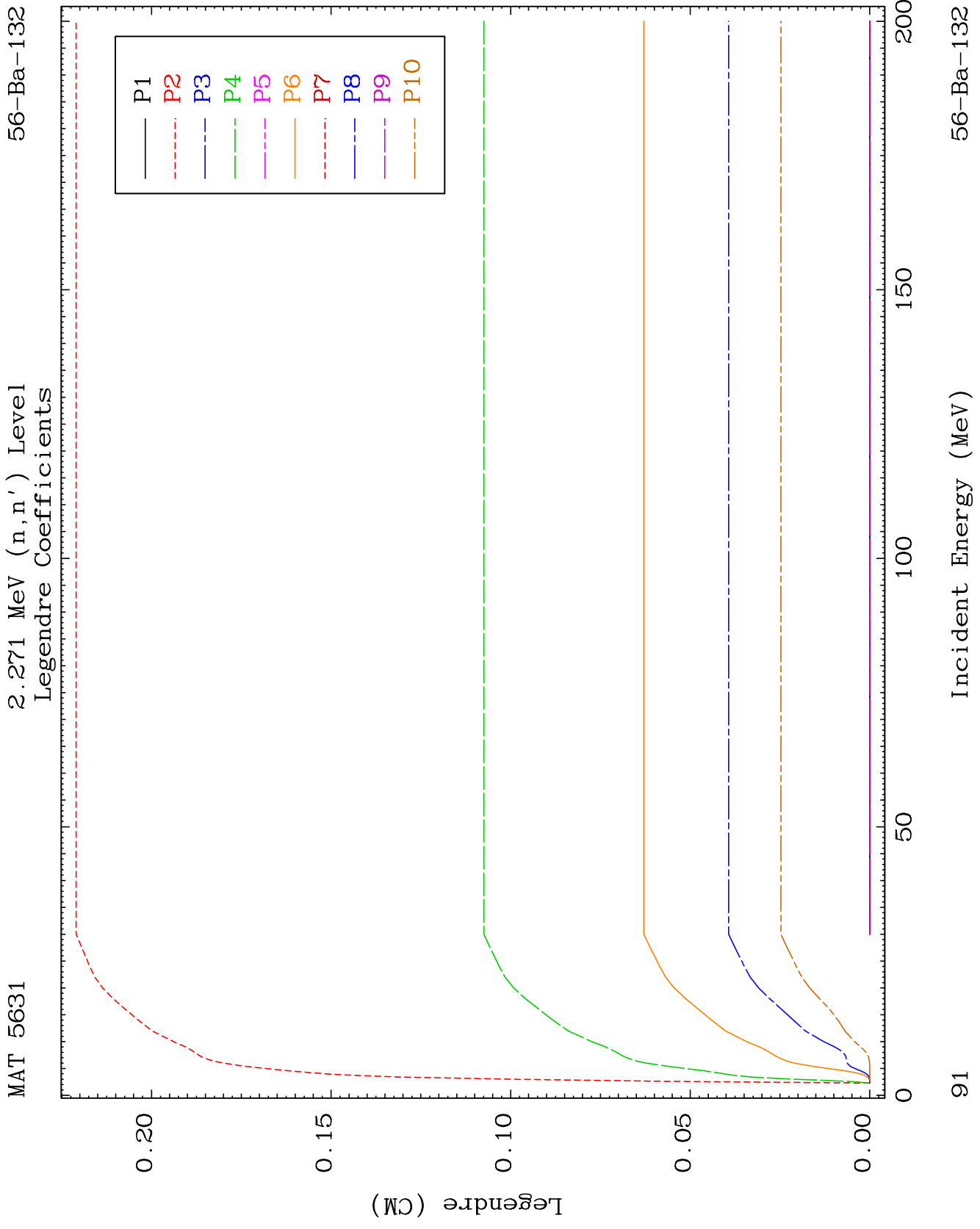
56-Ba-132

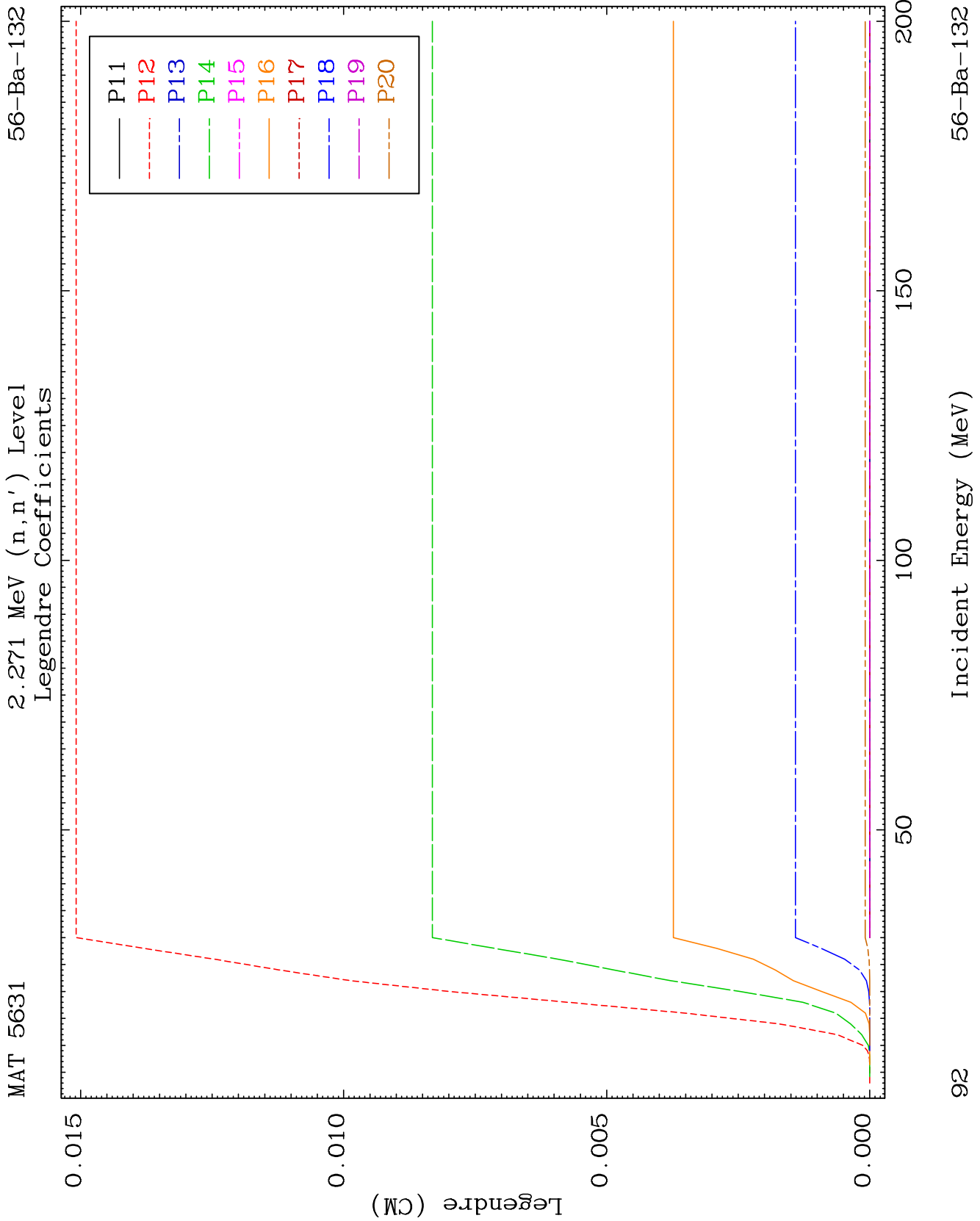
Incident Energy (MeV)

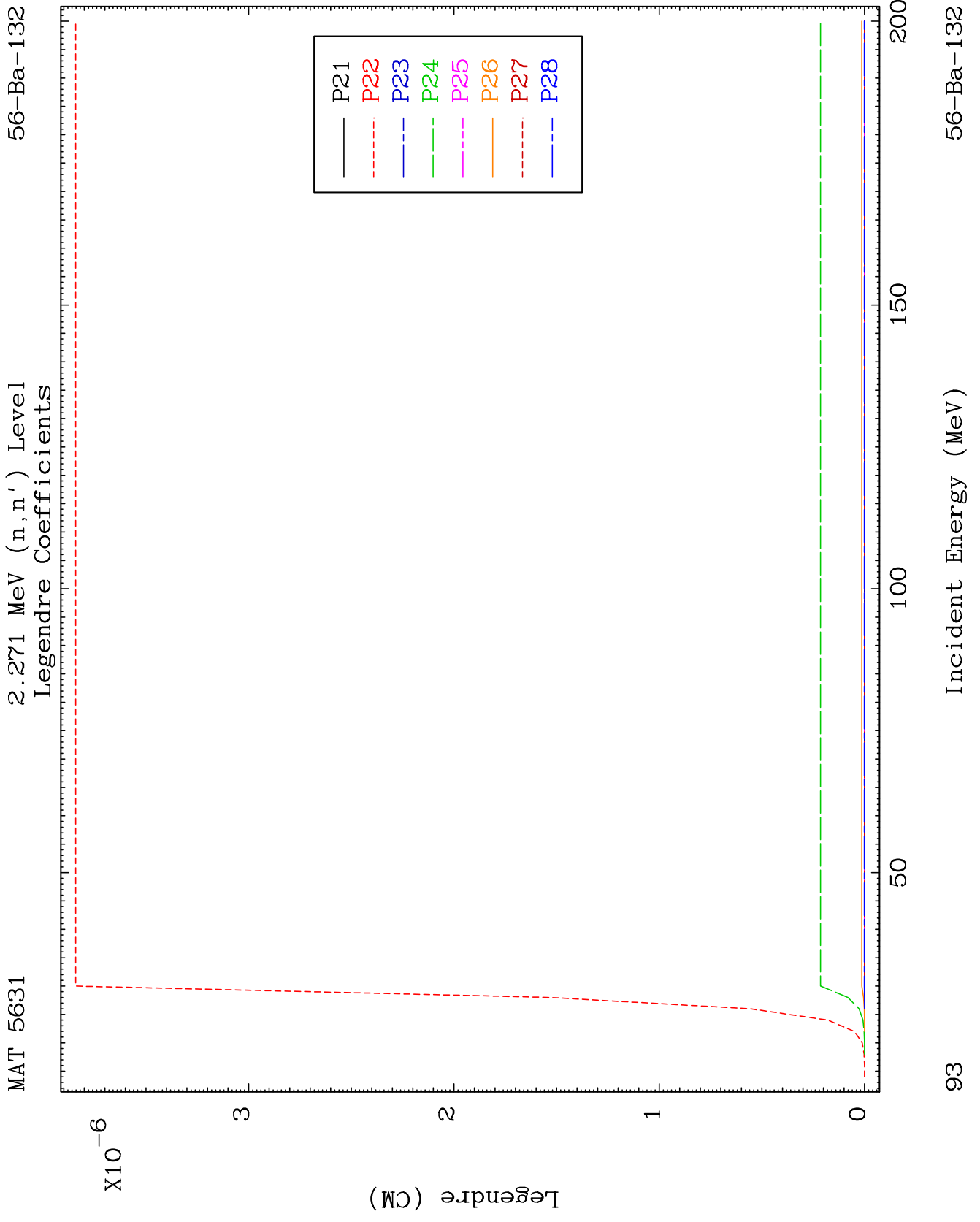
85

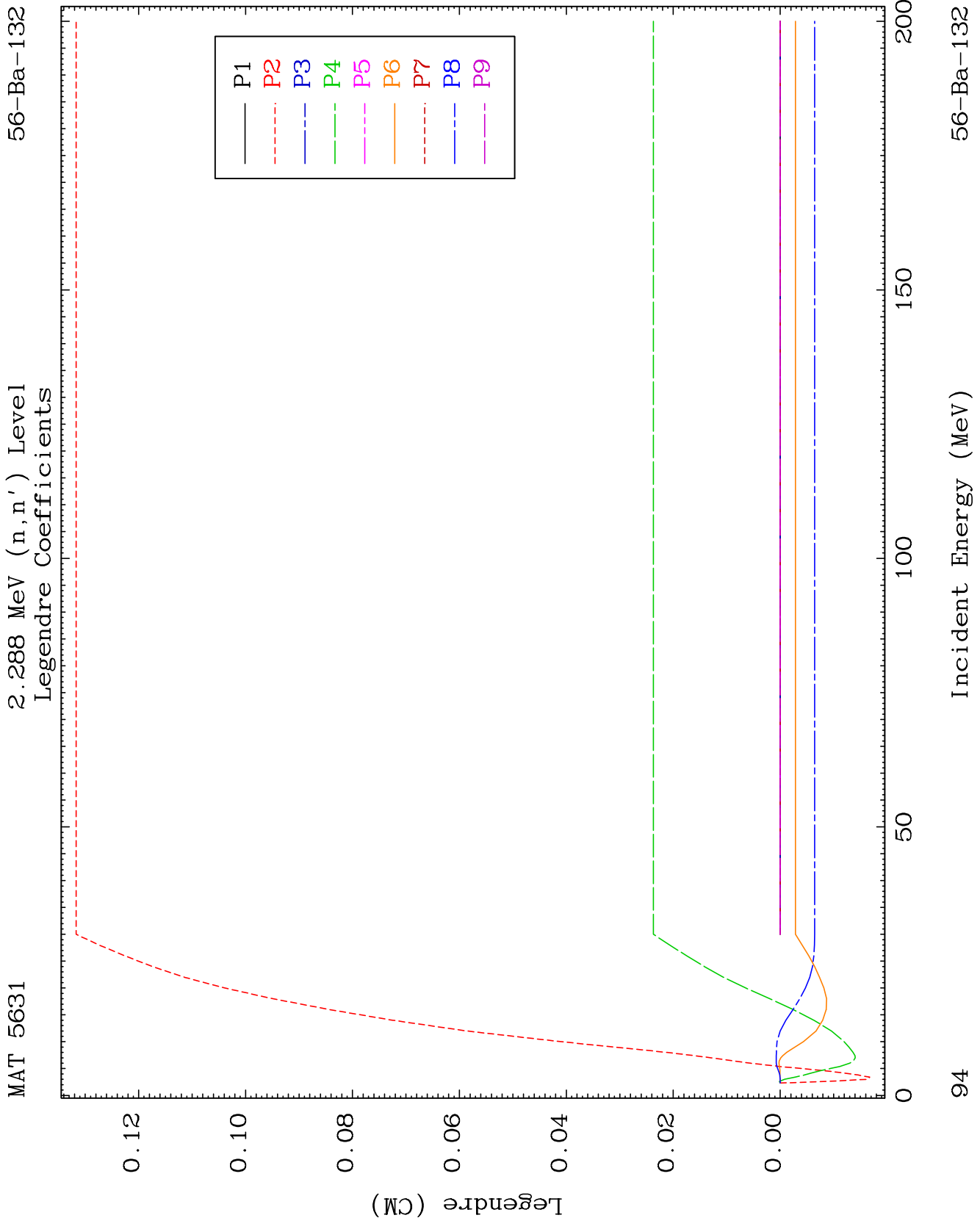








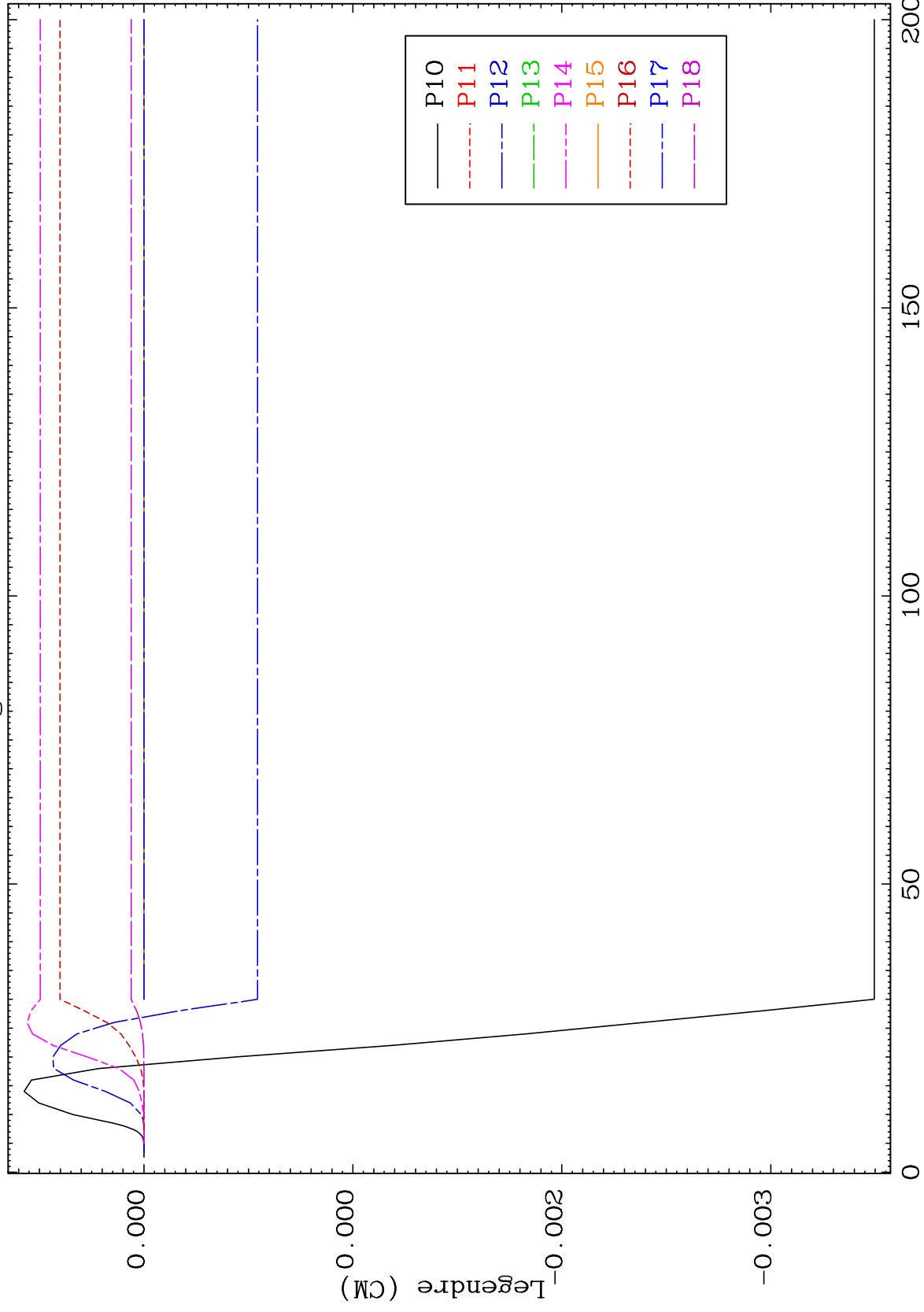




MAT 5631

2.288 MeV (n,n') Level
Legendre Coefficients

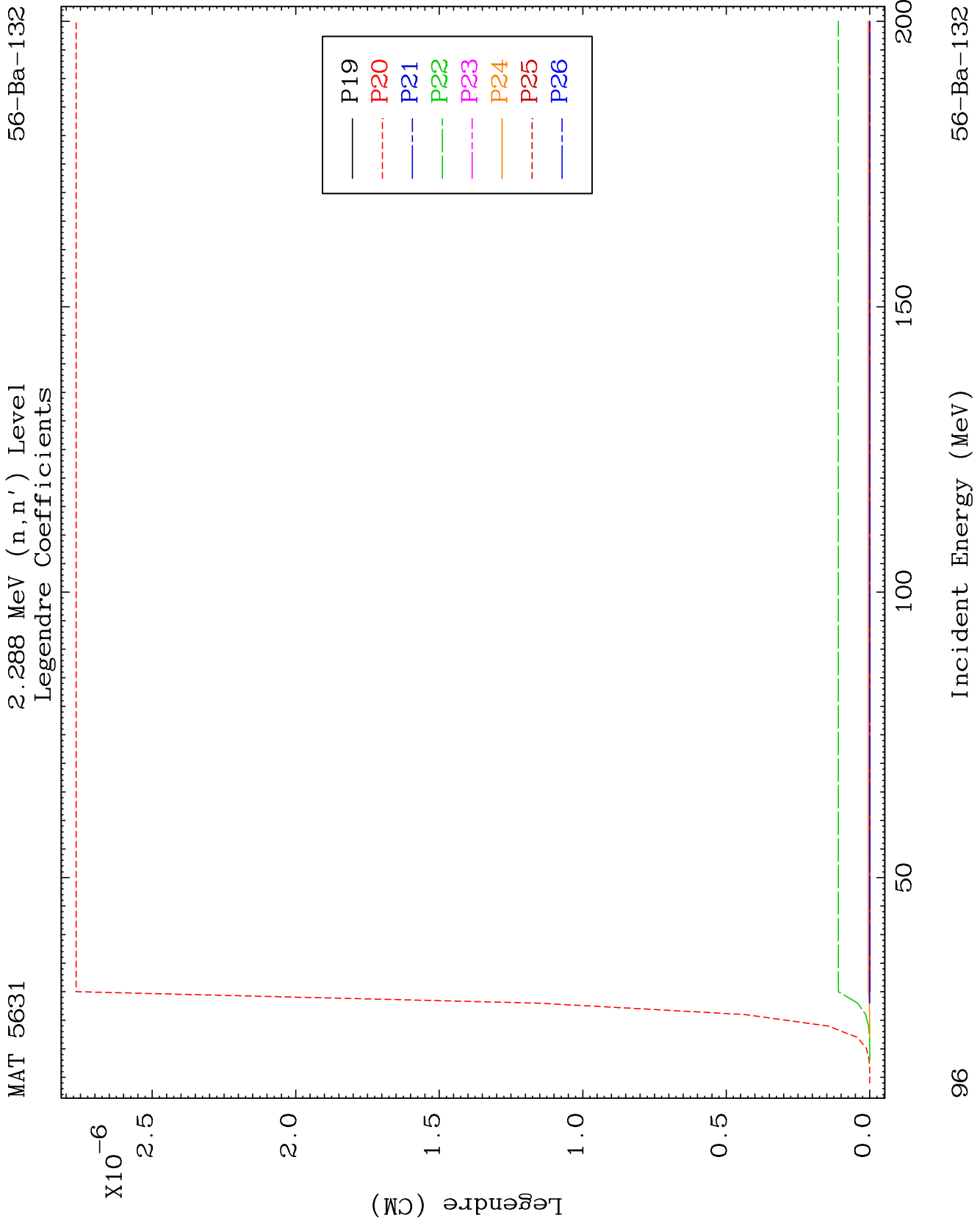
56-Ba-132



95

Incident Energy (MeV)

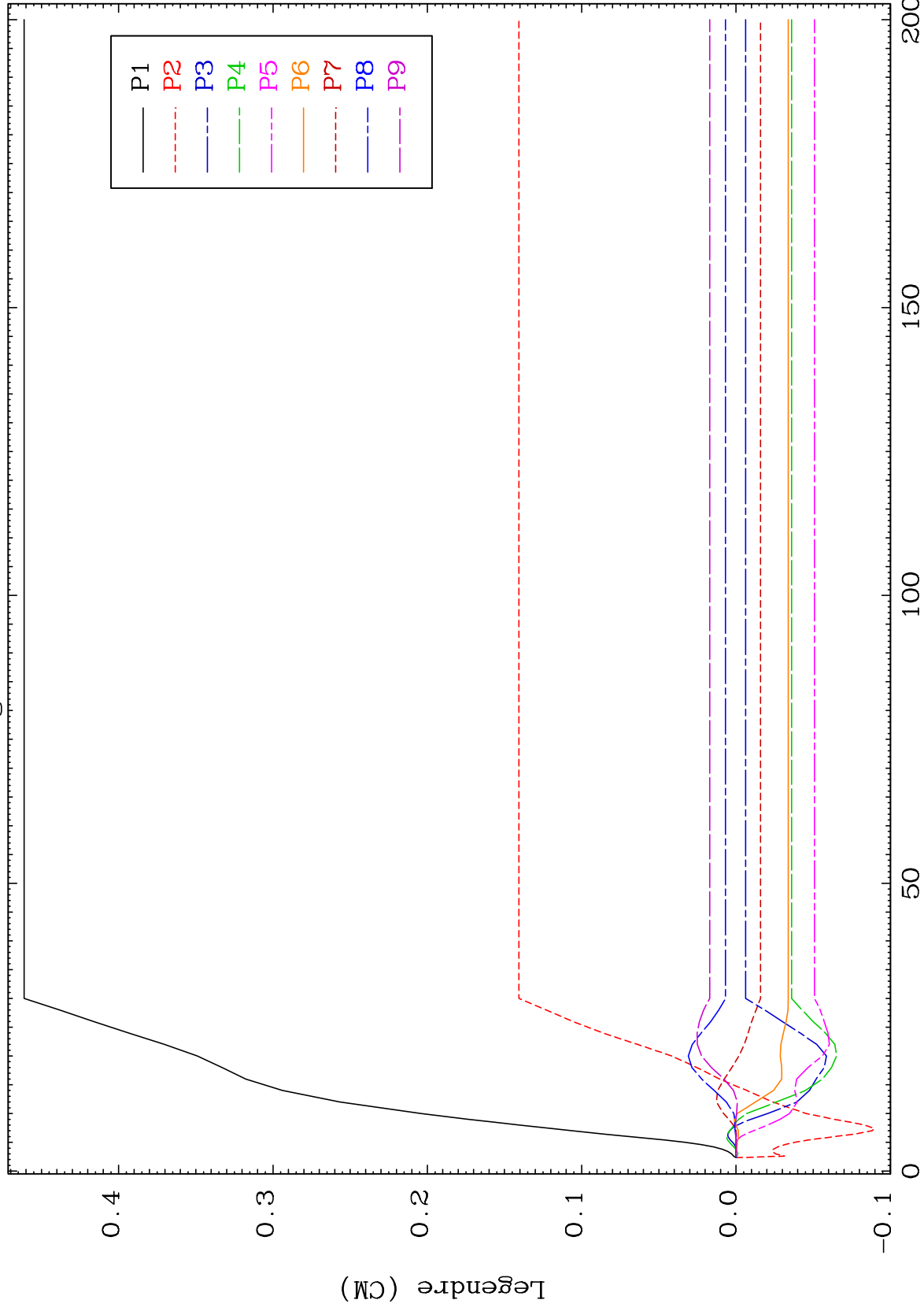
56-Ba-132



MAT 5631

2.312 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



97

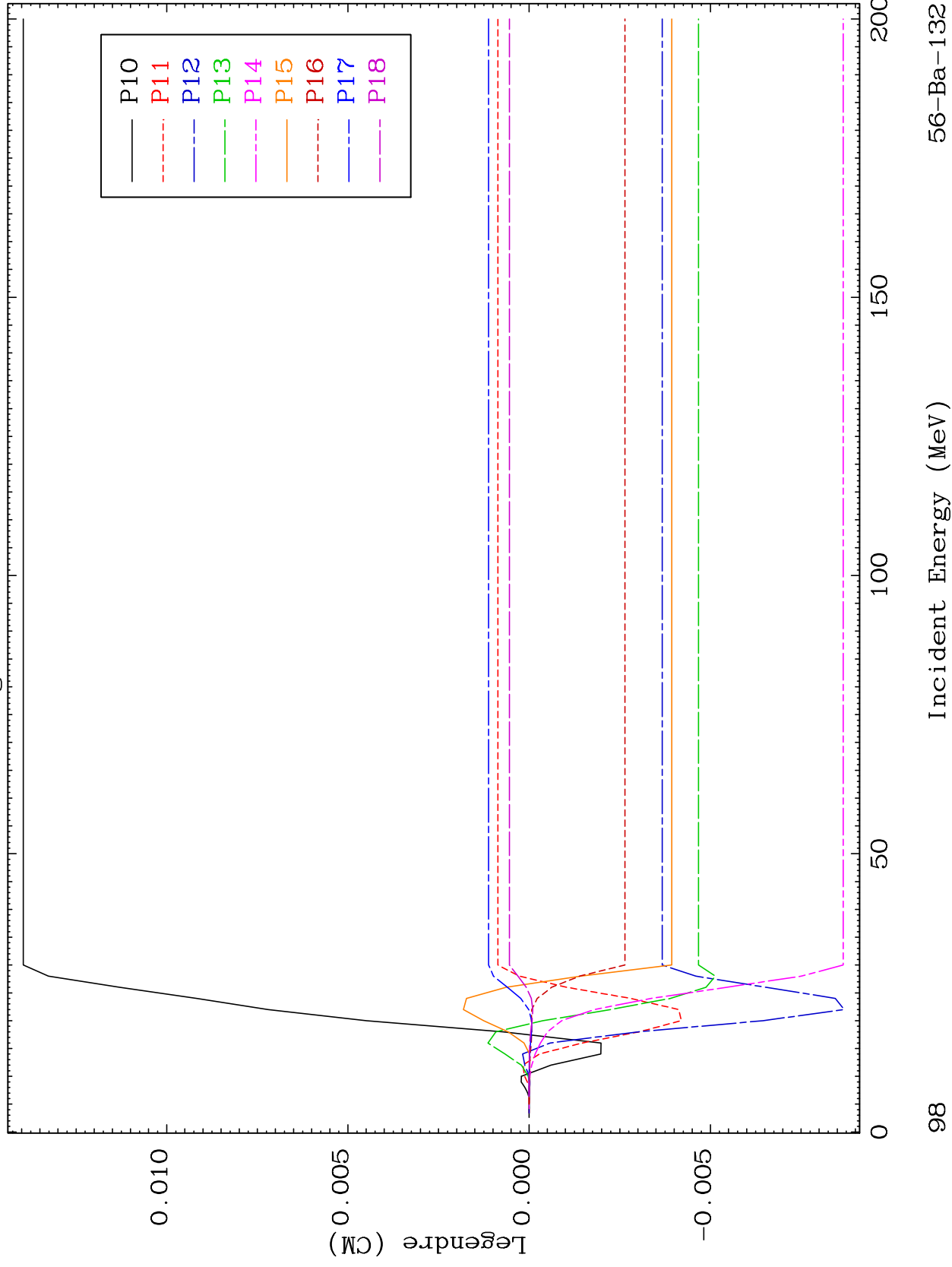
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.312 MeV (n, n') Level
Legendre Coefficients

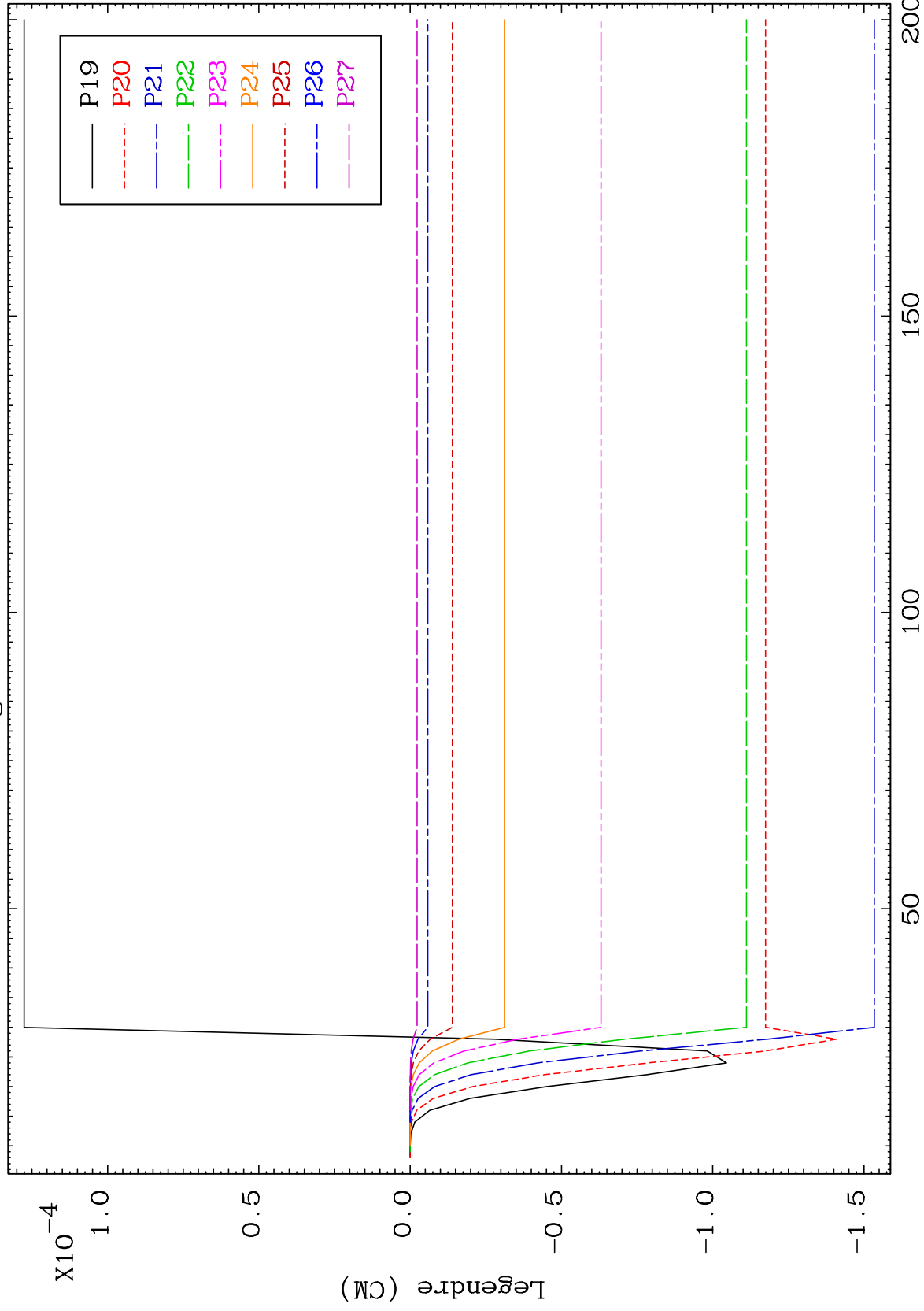
56-Ba-132

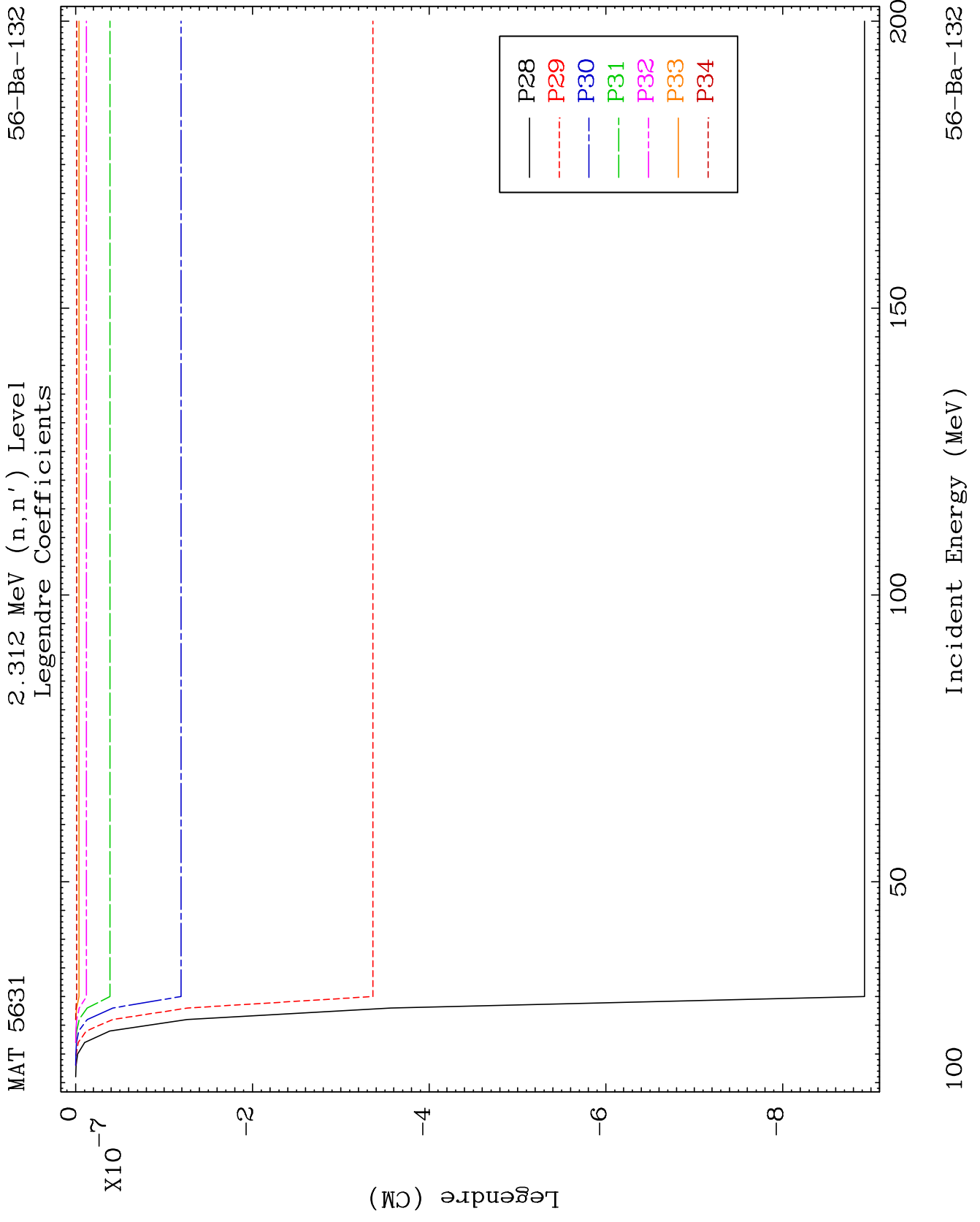


98

Incident Energy (MeV)

56-Ba-132

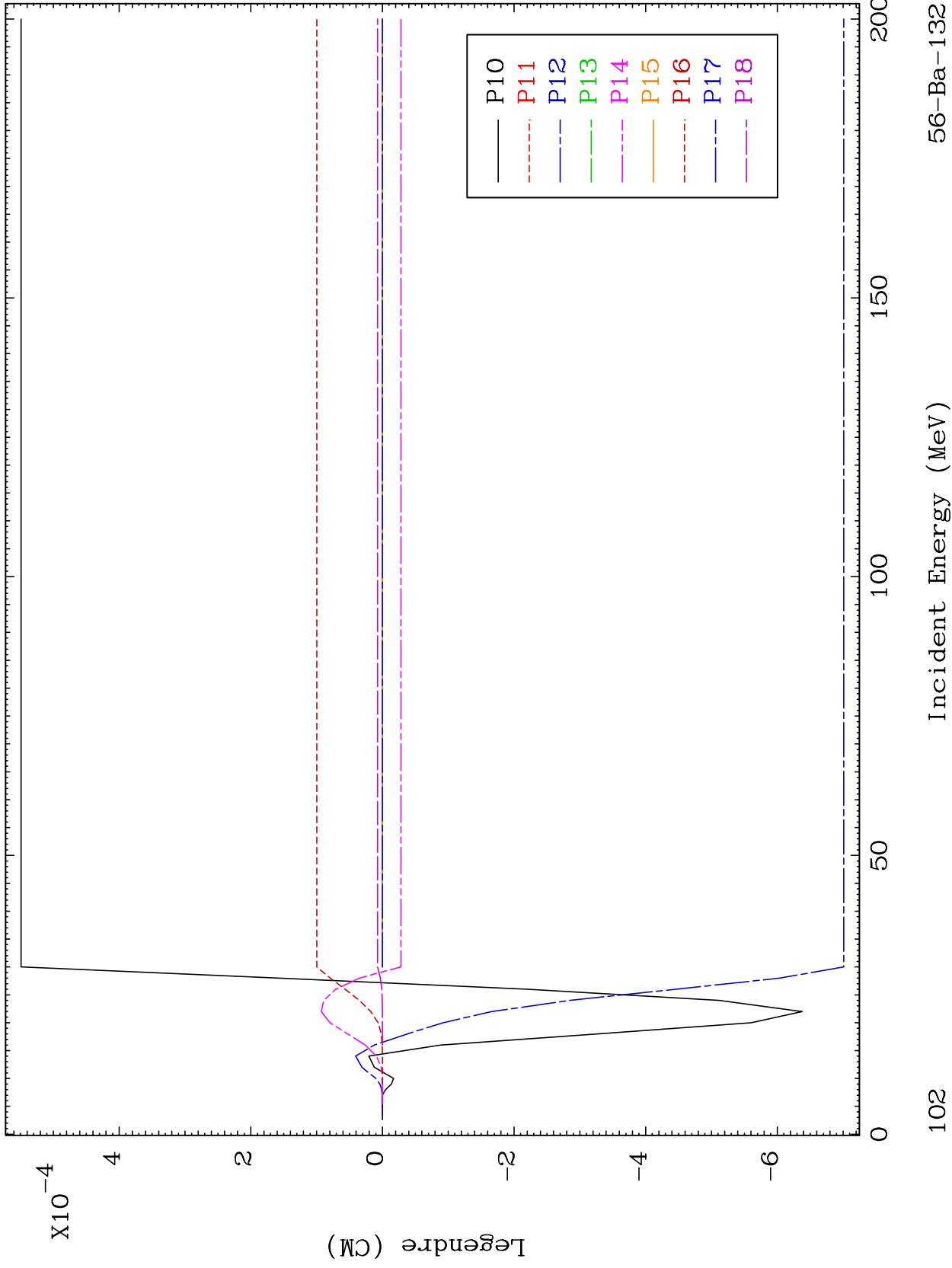




MAT 5631

2.358 MeV (n,n') Level
Legendre Coefficients

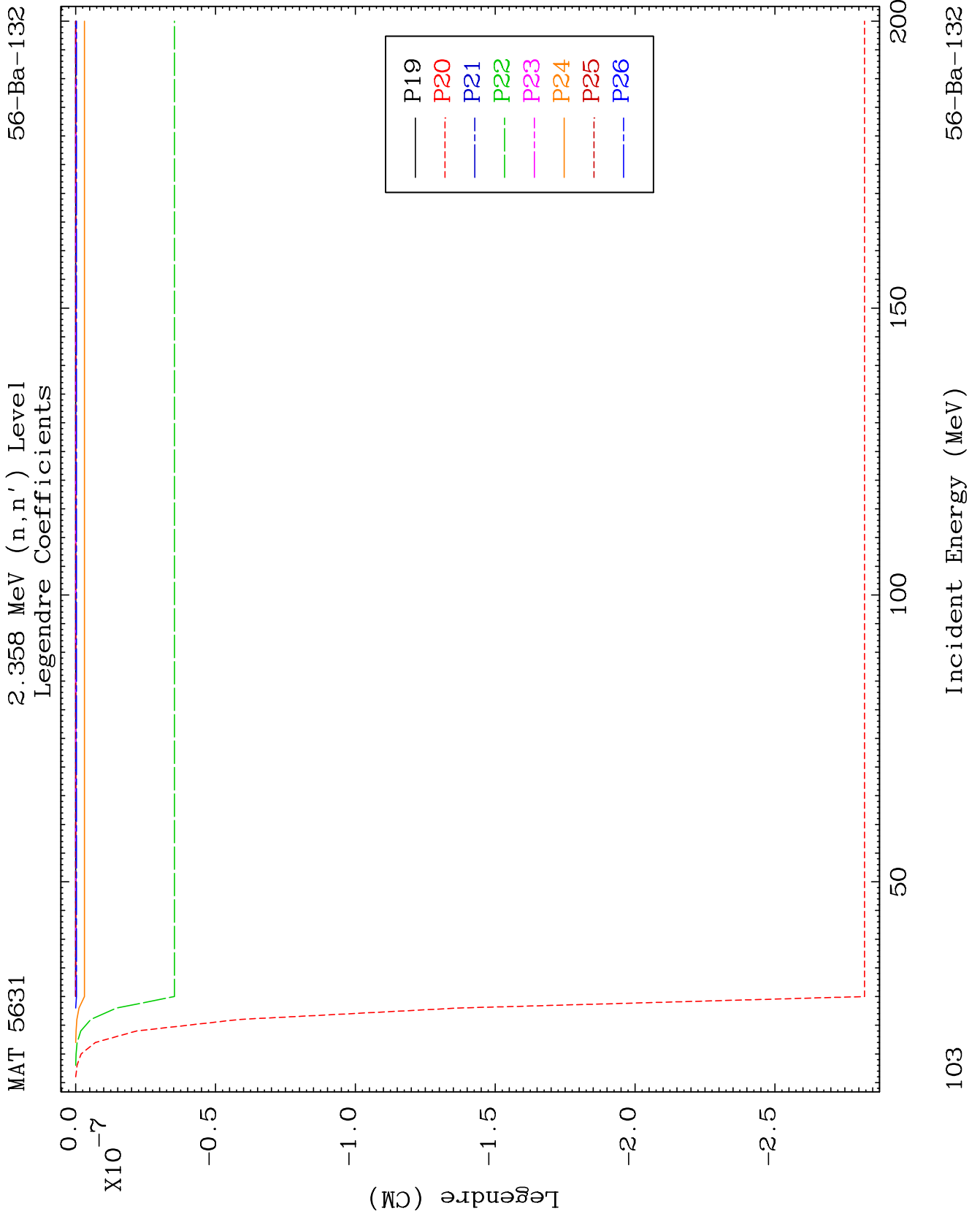
56-Ba-132



102

Incident Energy (MeV)

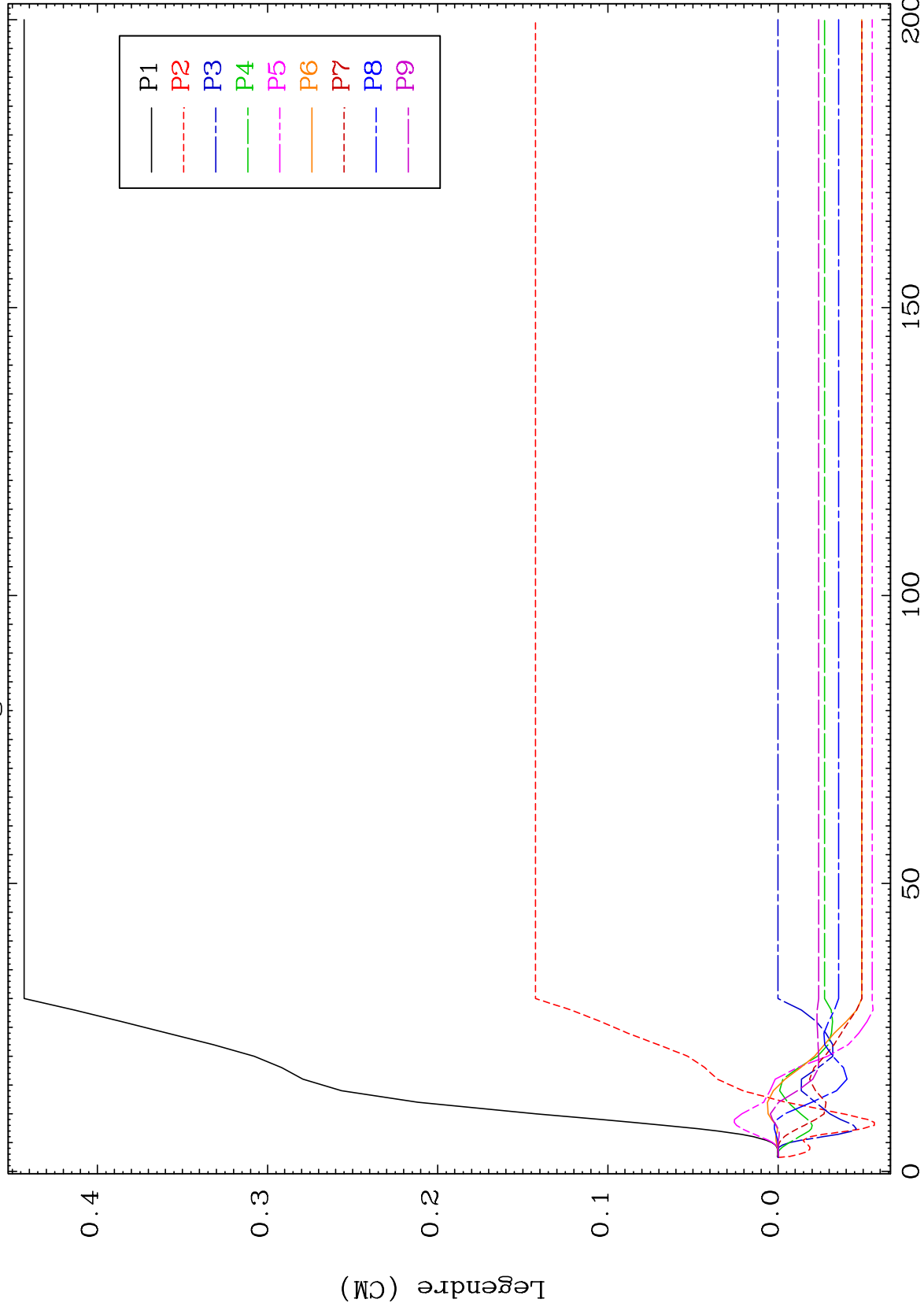
56-Ba-132



MAT 5631

2.374 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



104

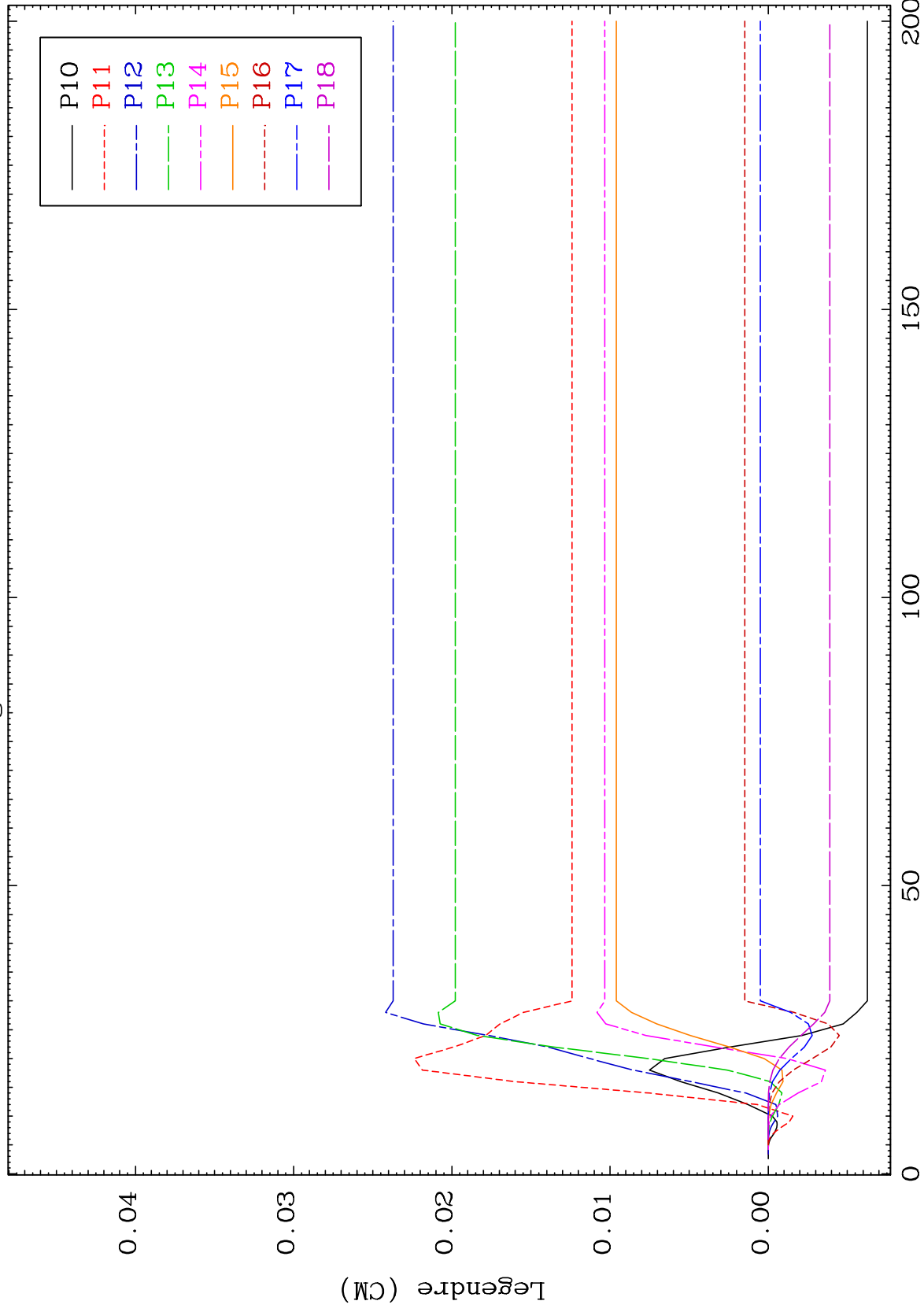
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.374 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



105

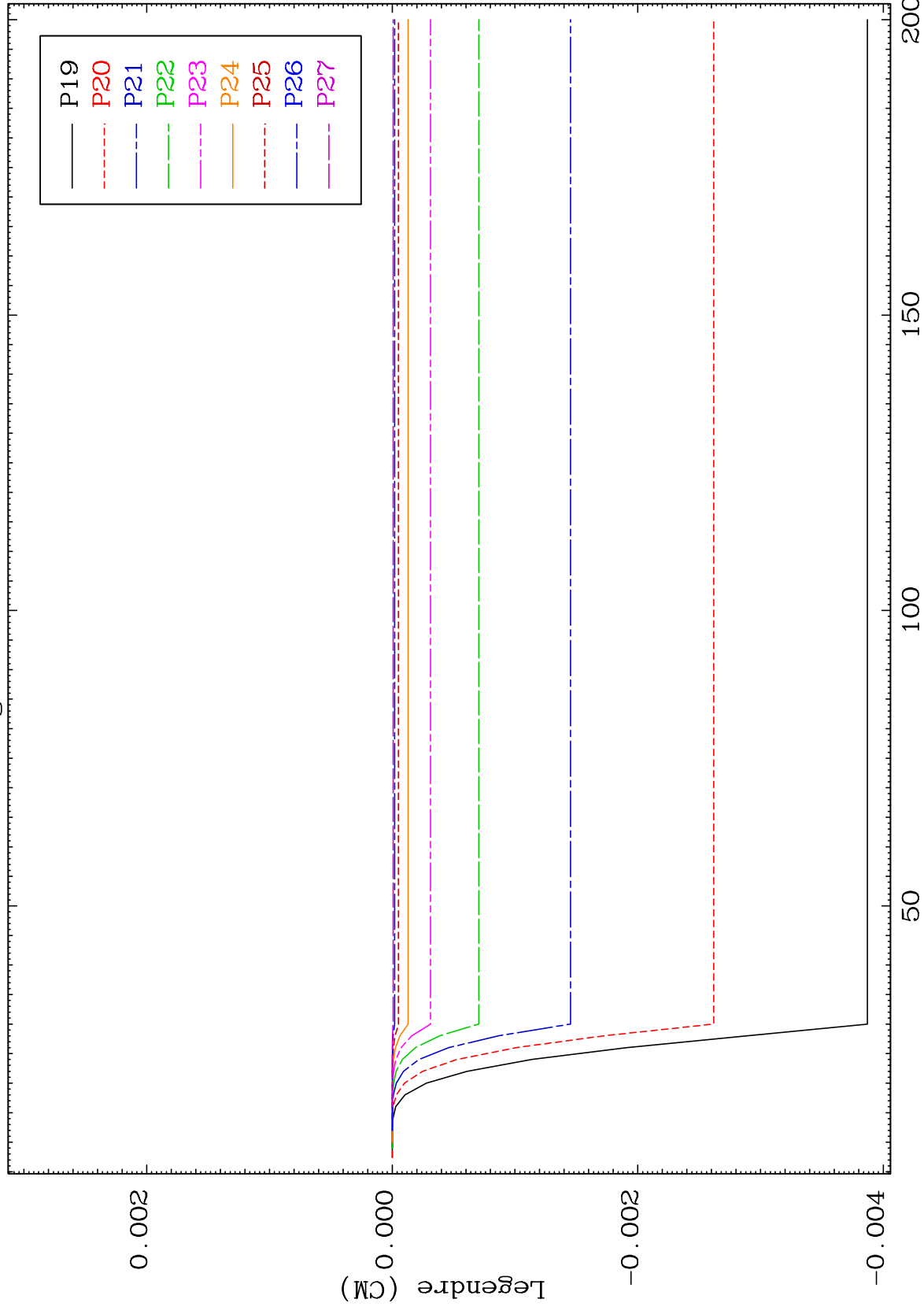
Incident Energy (MeV)

56-Ba-132

MAT 5631

2.374 MeV (n,n') Level
Legendre Coefficients

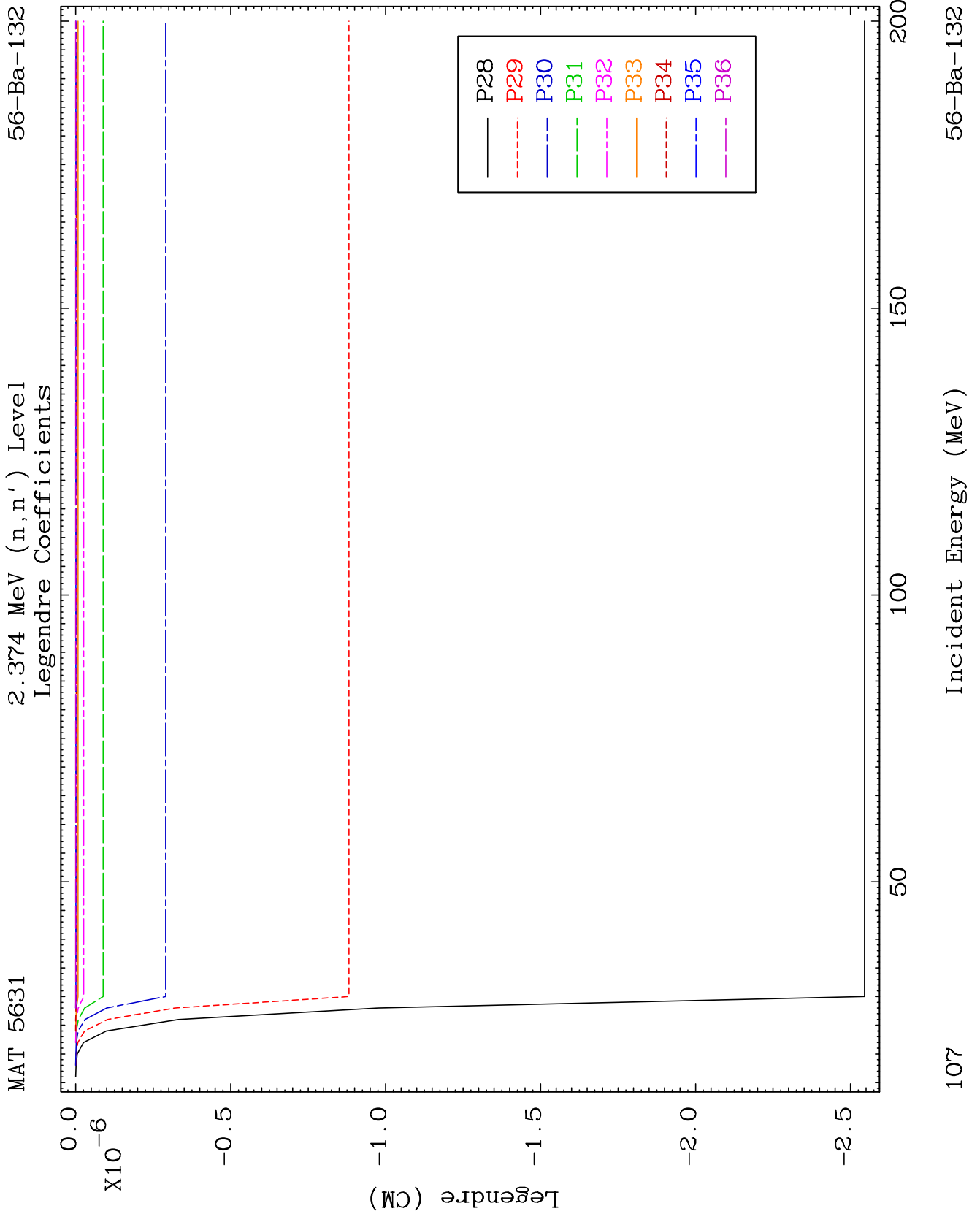
56-Ba-132

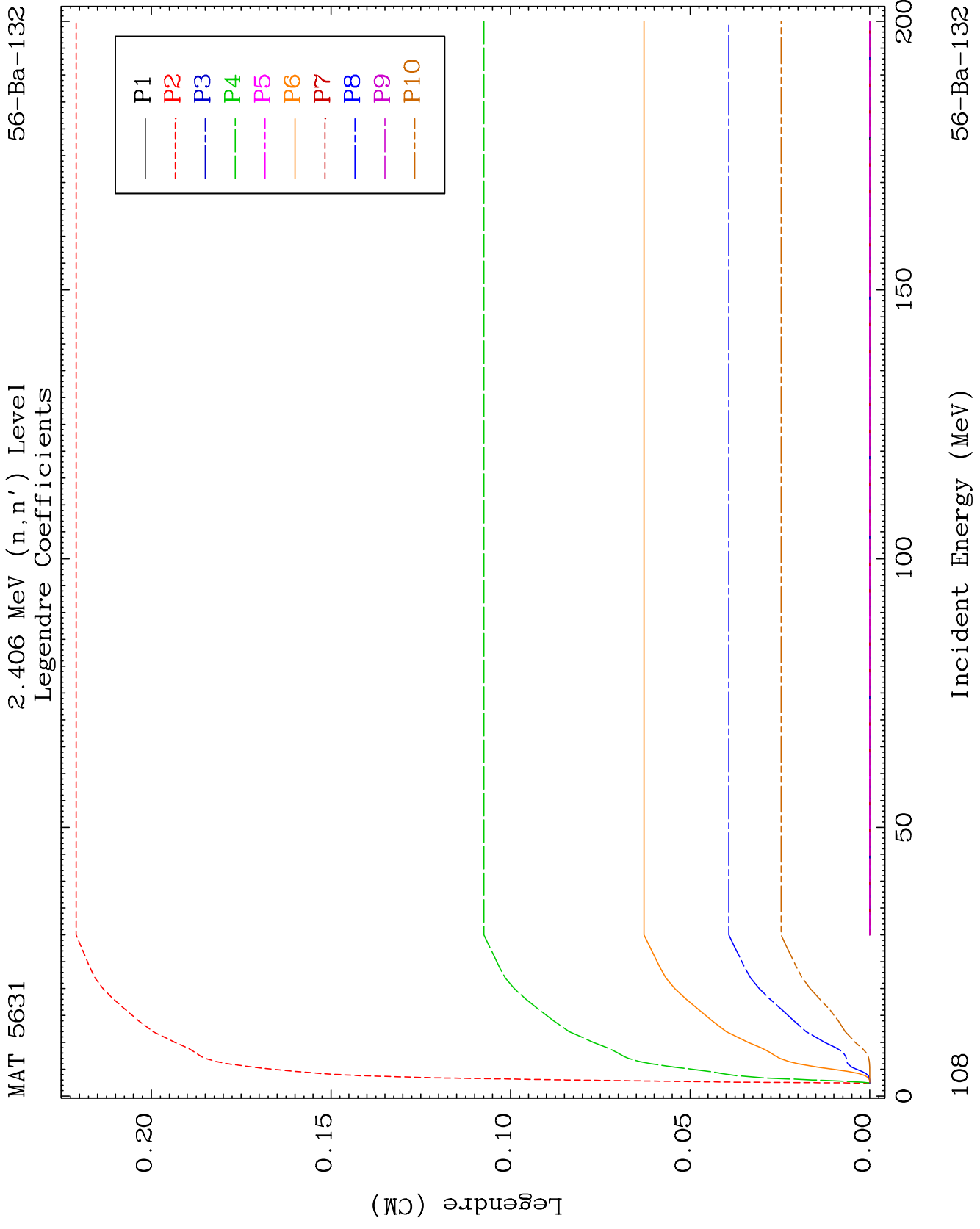


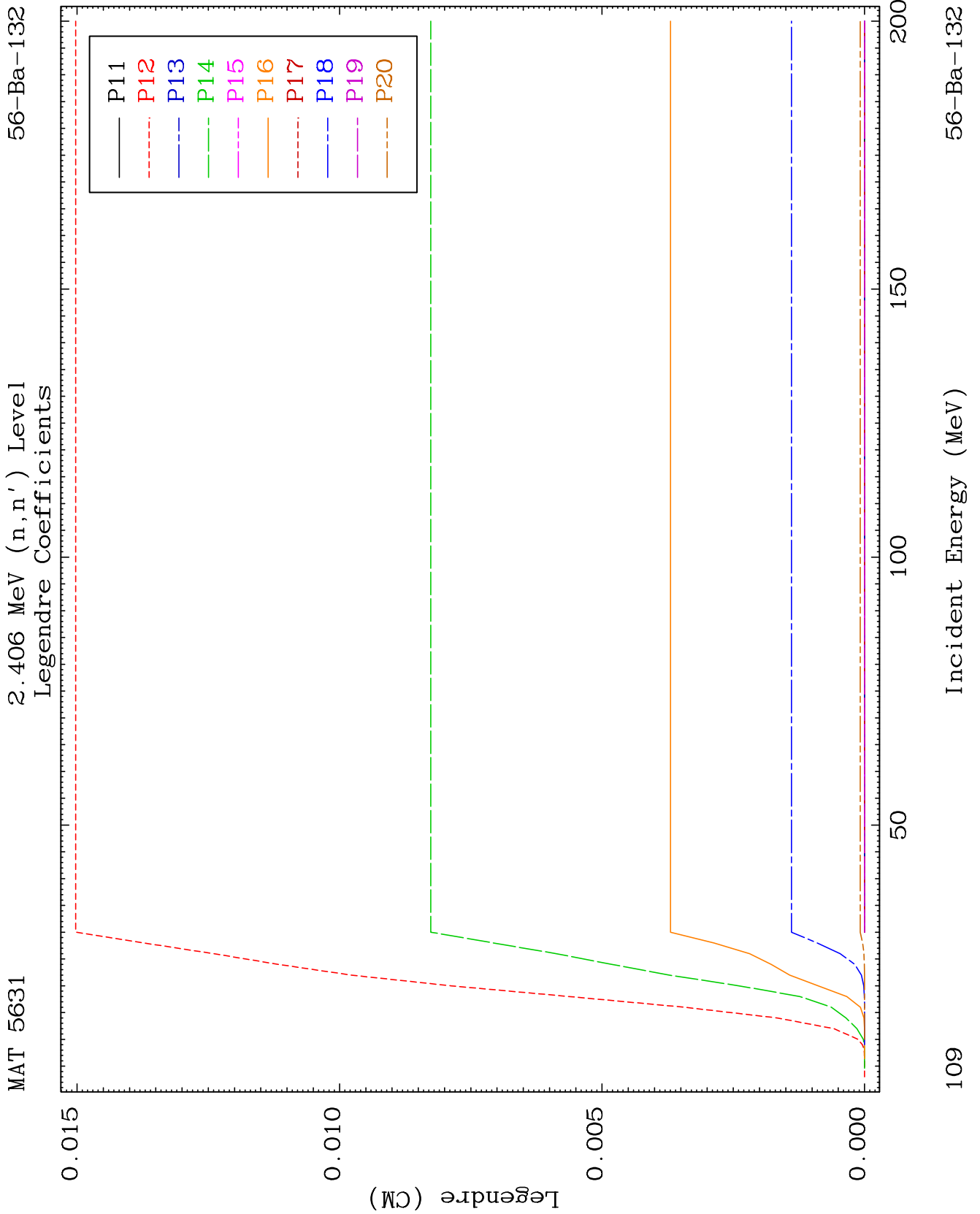
106

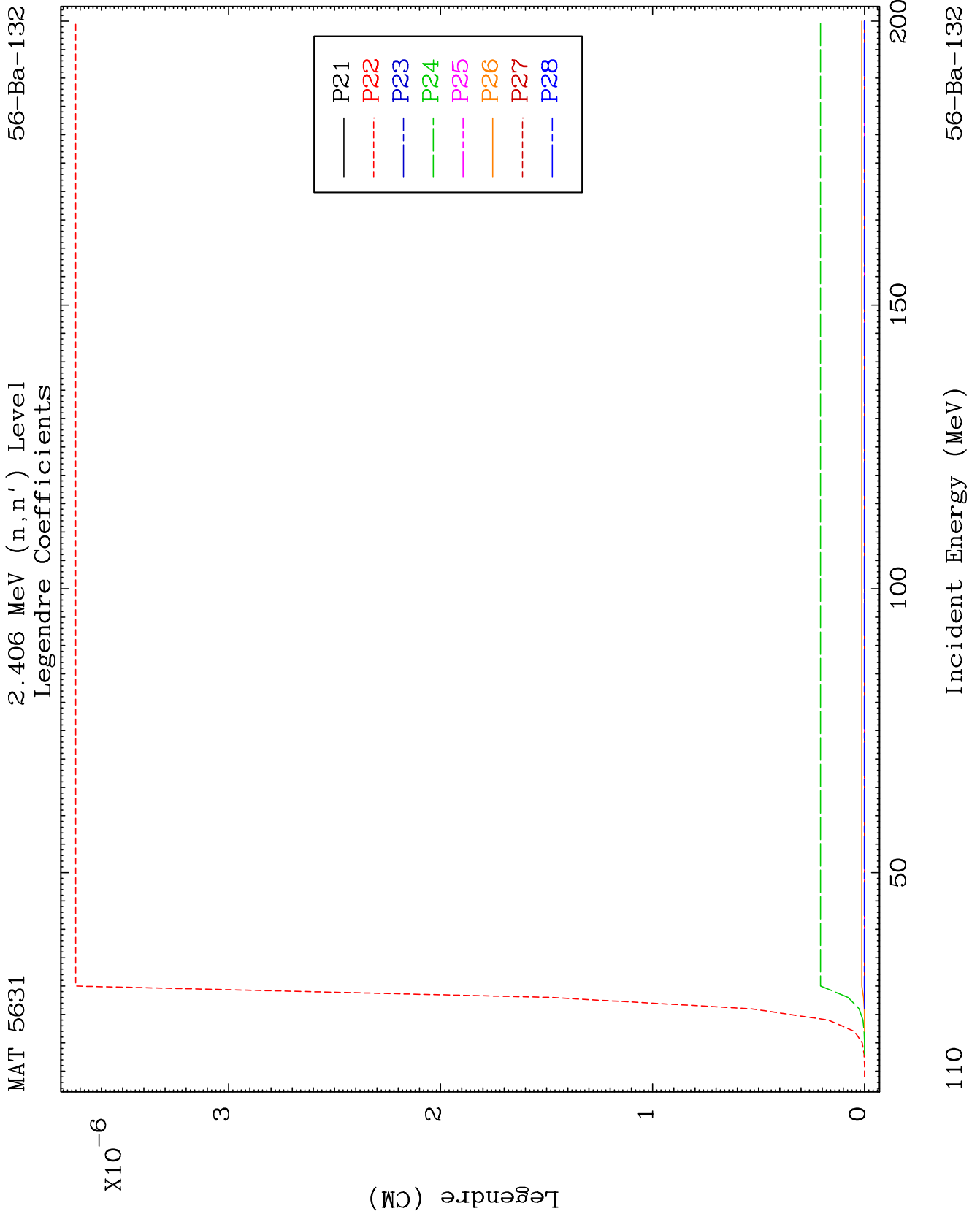
Incident Energy (MeV)

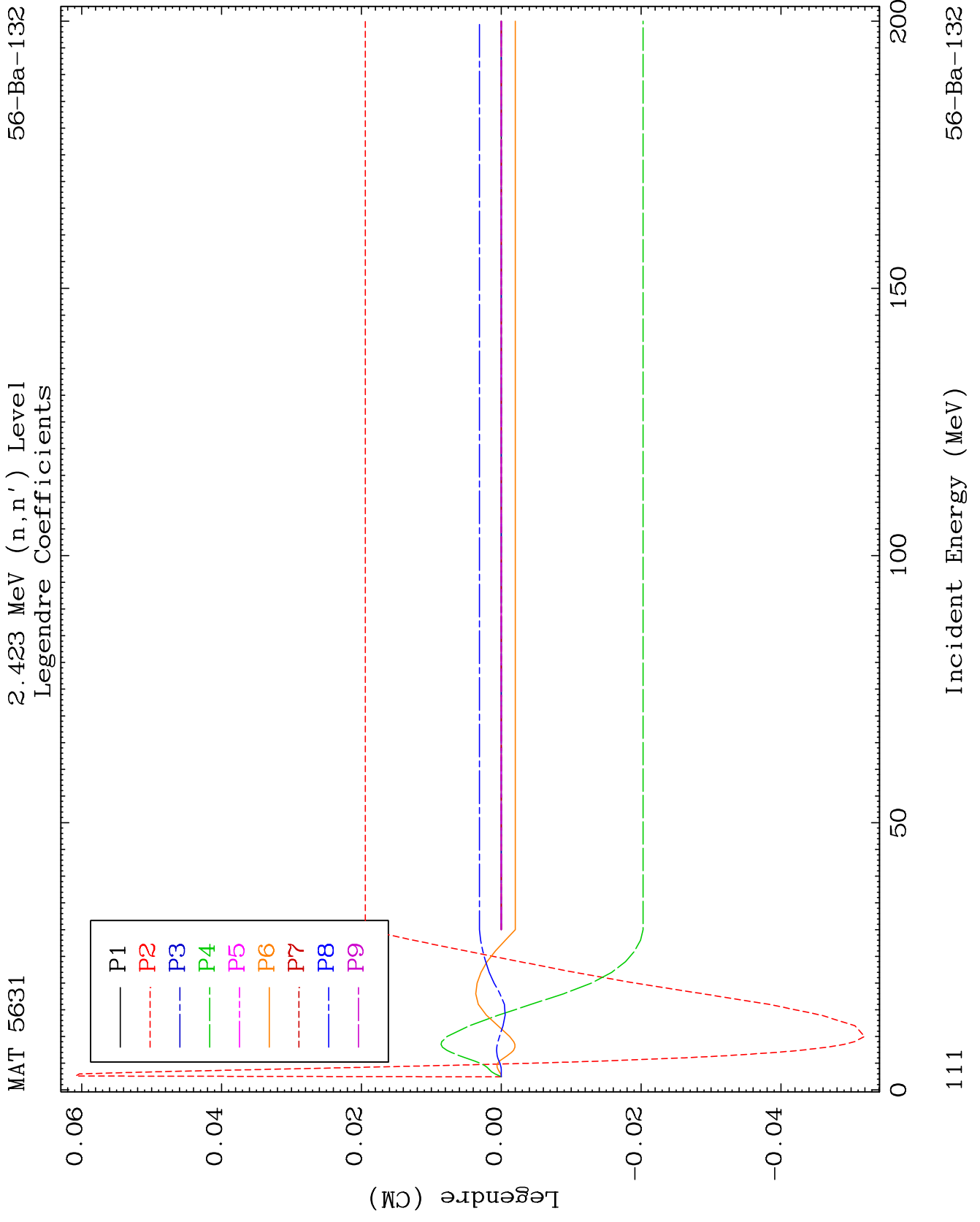
56-Ba-132







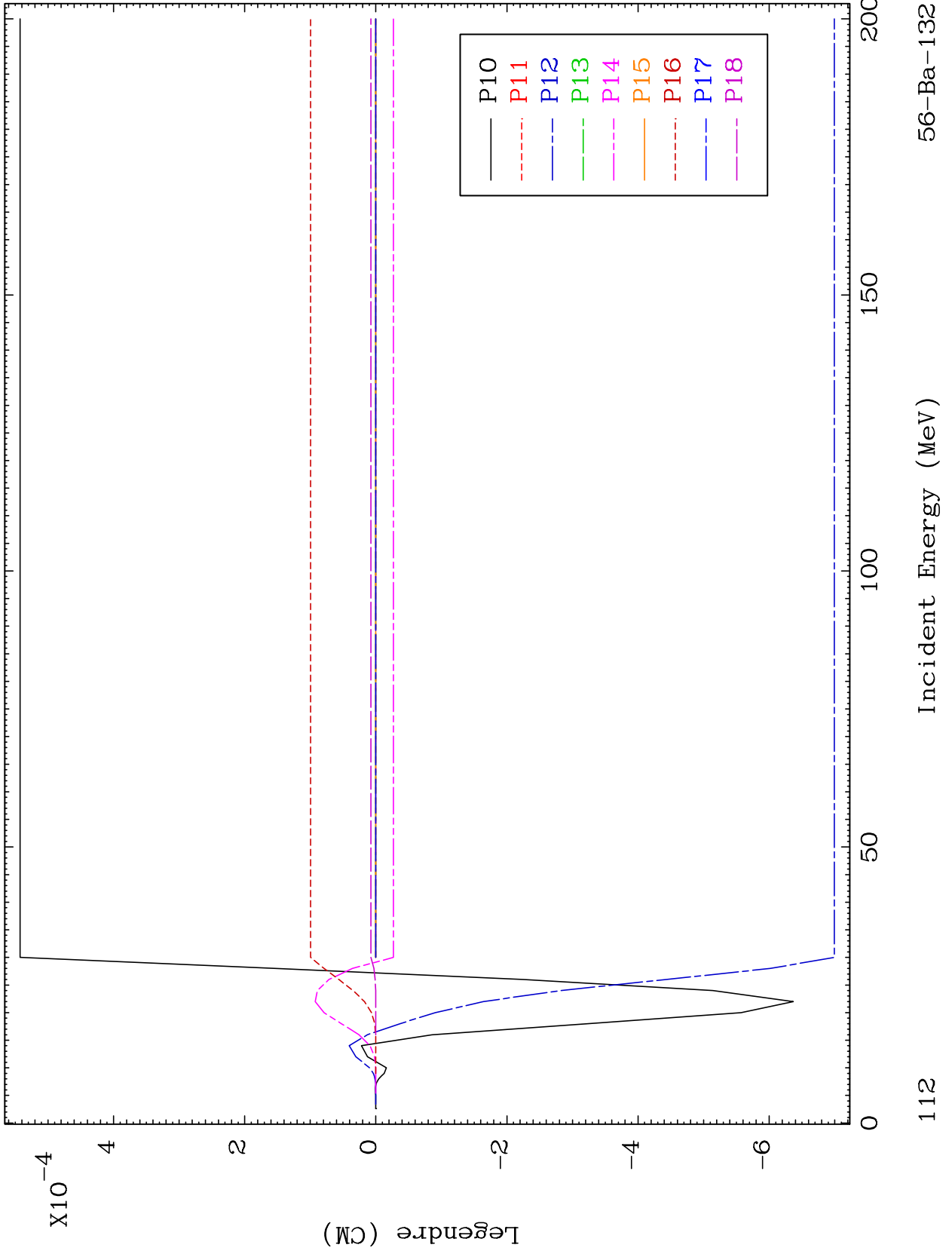




MAT 5631

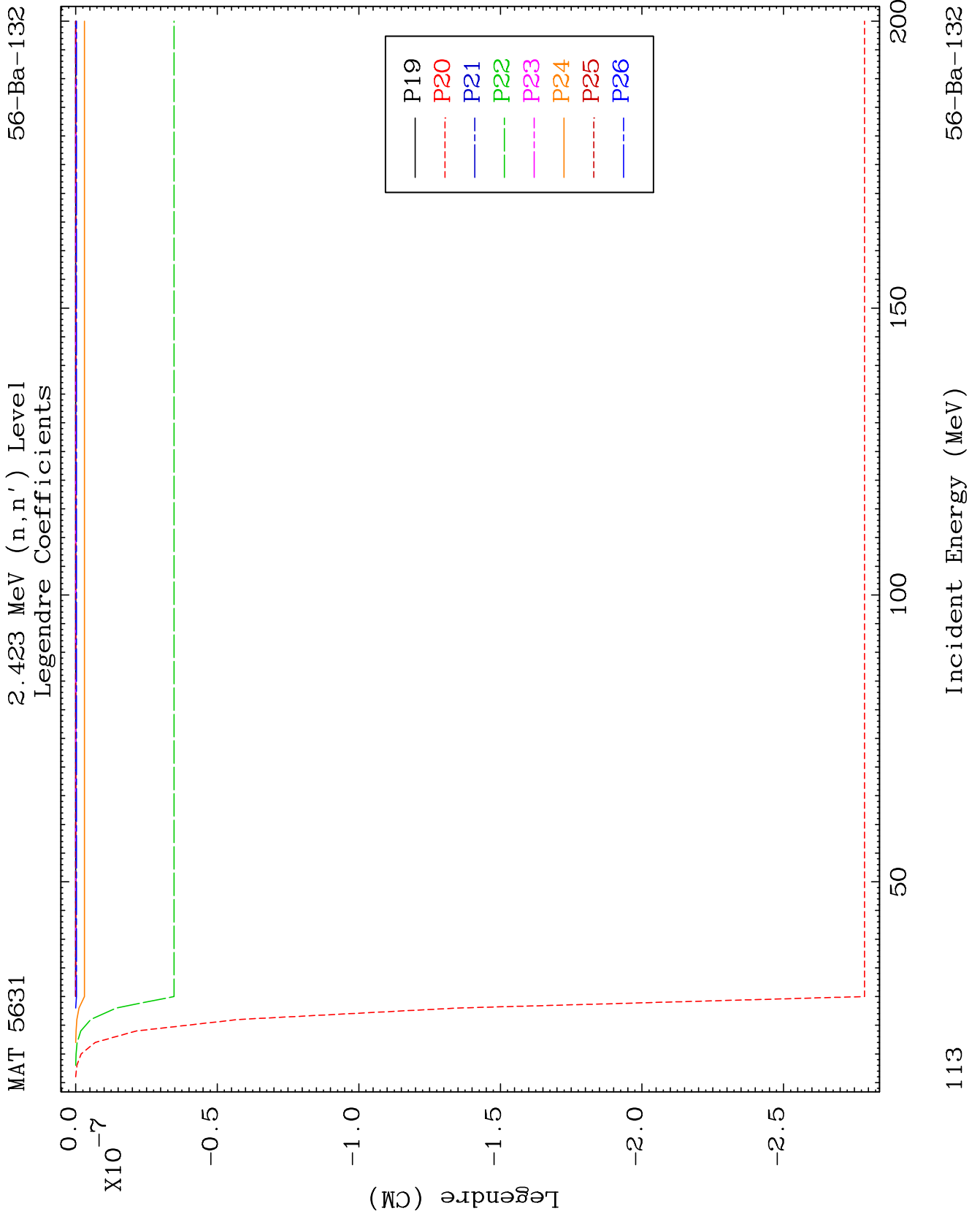
2.423 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



112

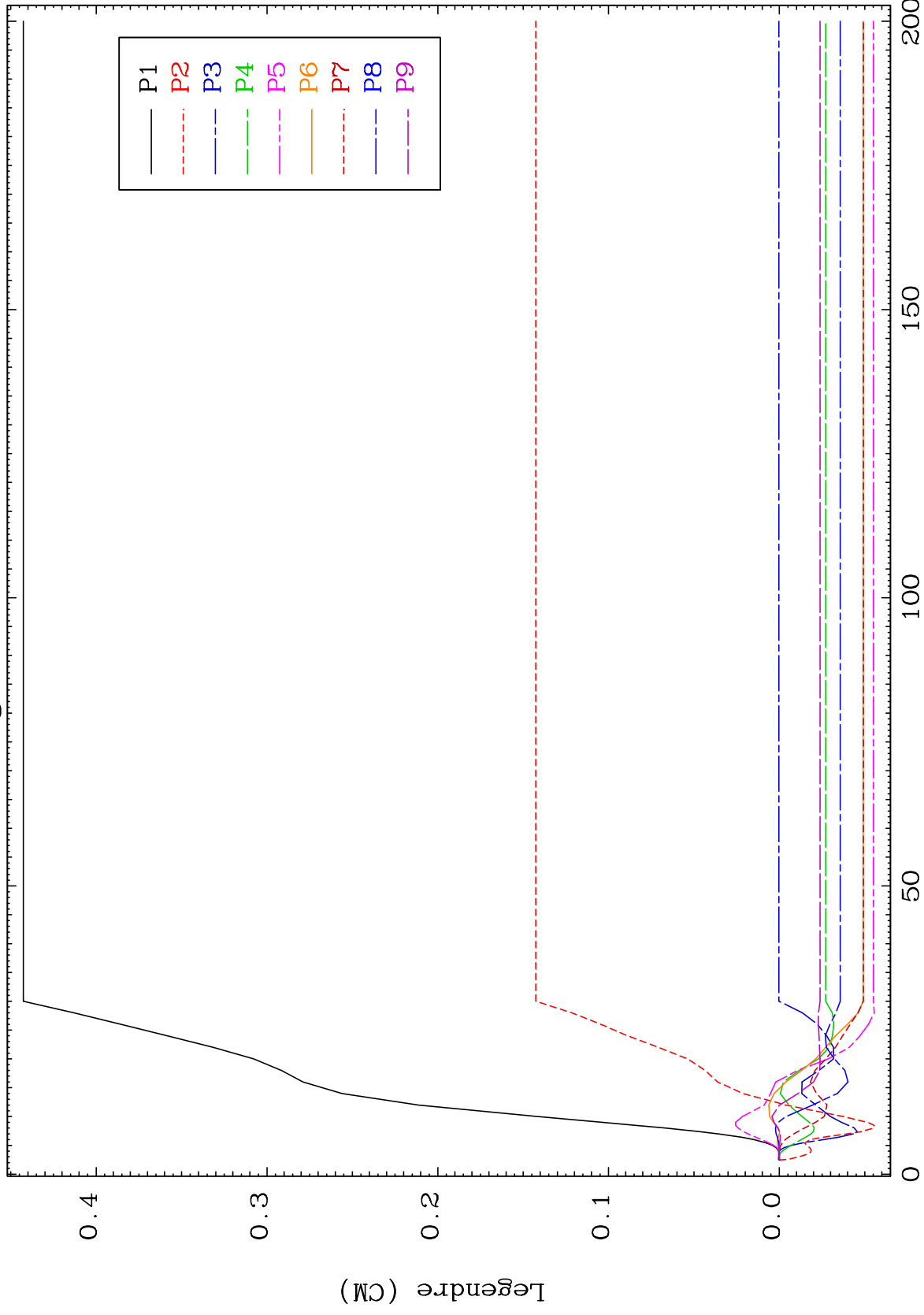
56-Ba-132



MAT 5631

2.439 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



114

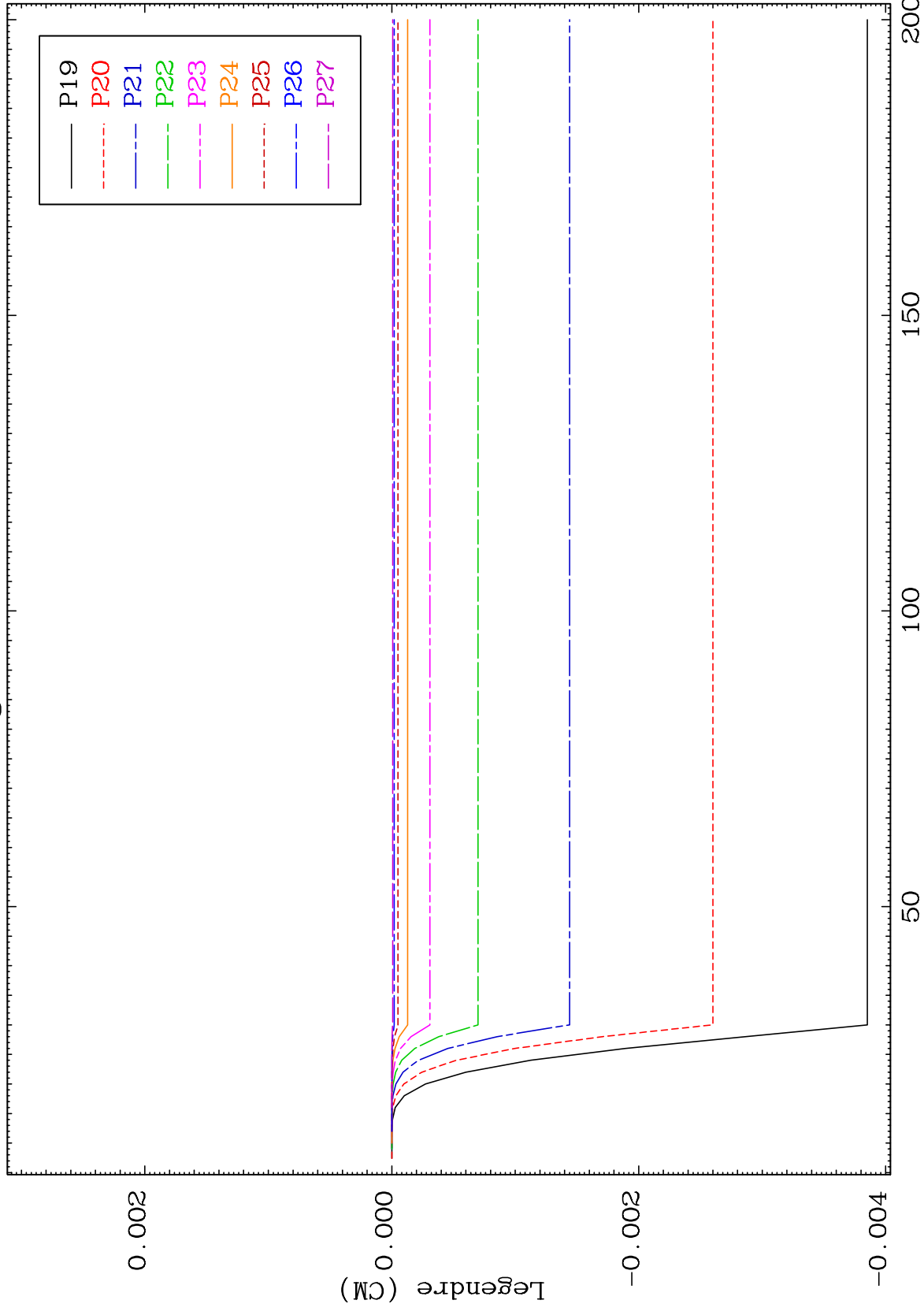
Incident Energy (MeV)

56-Ba-132

MAT 5631

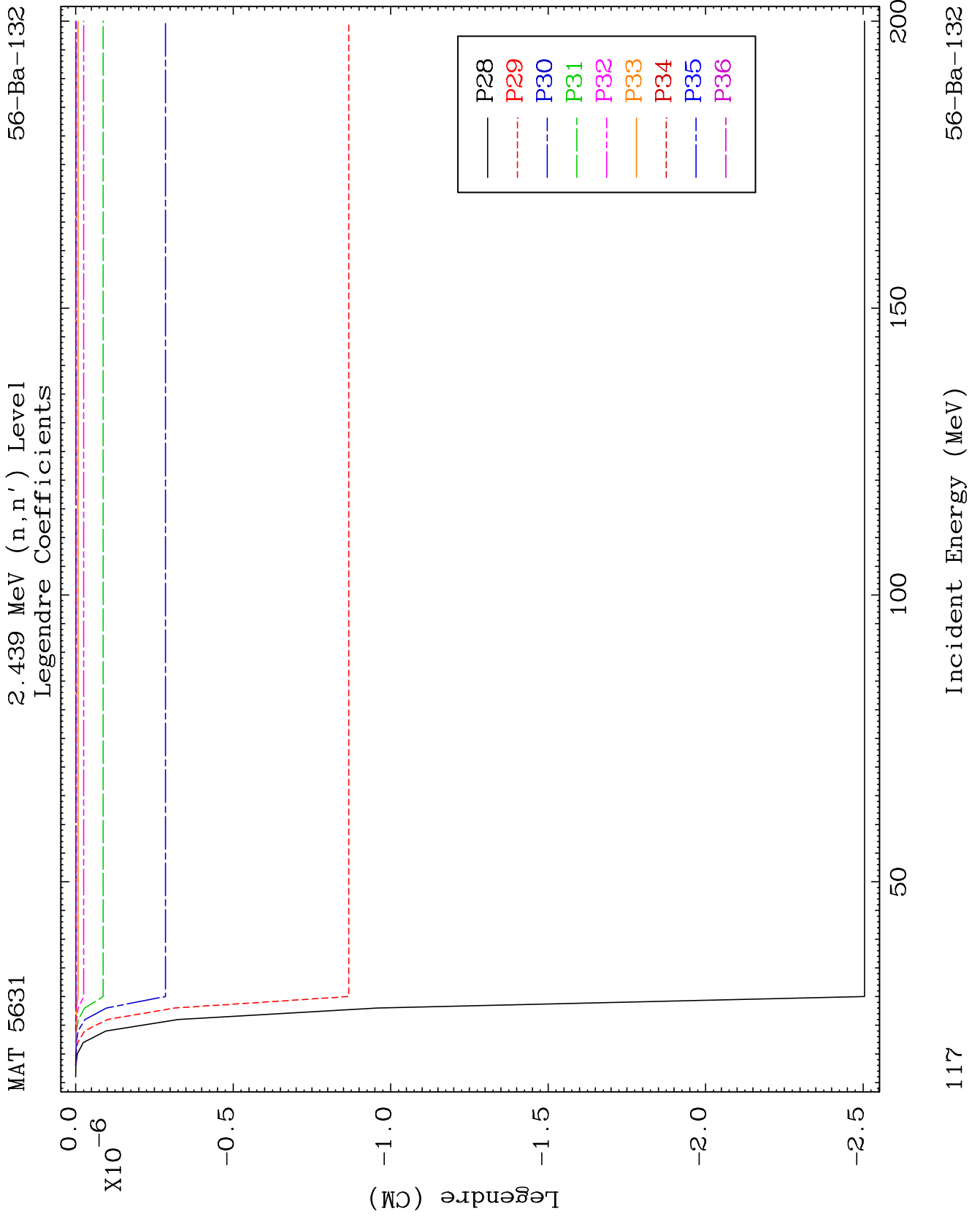
2.439 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



116

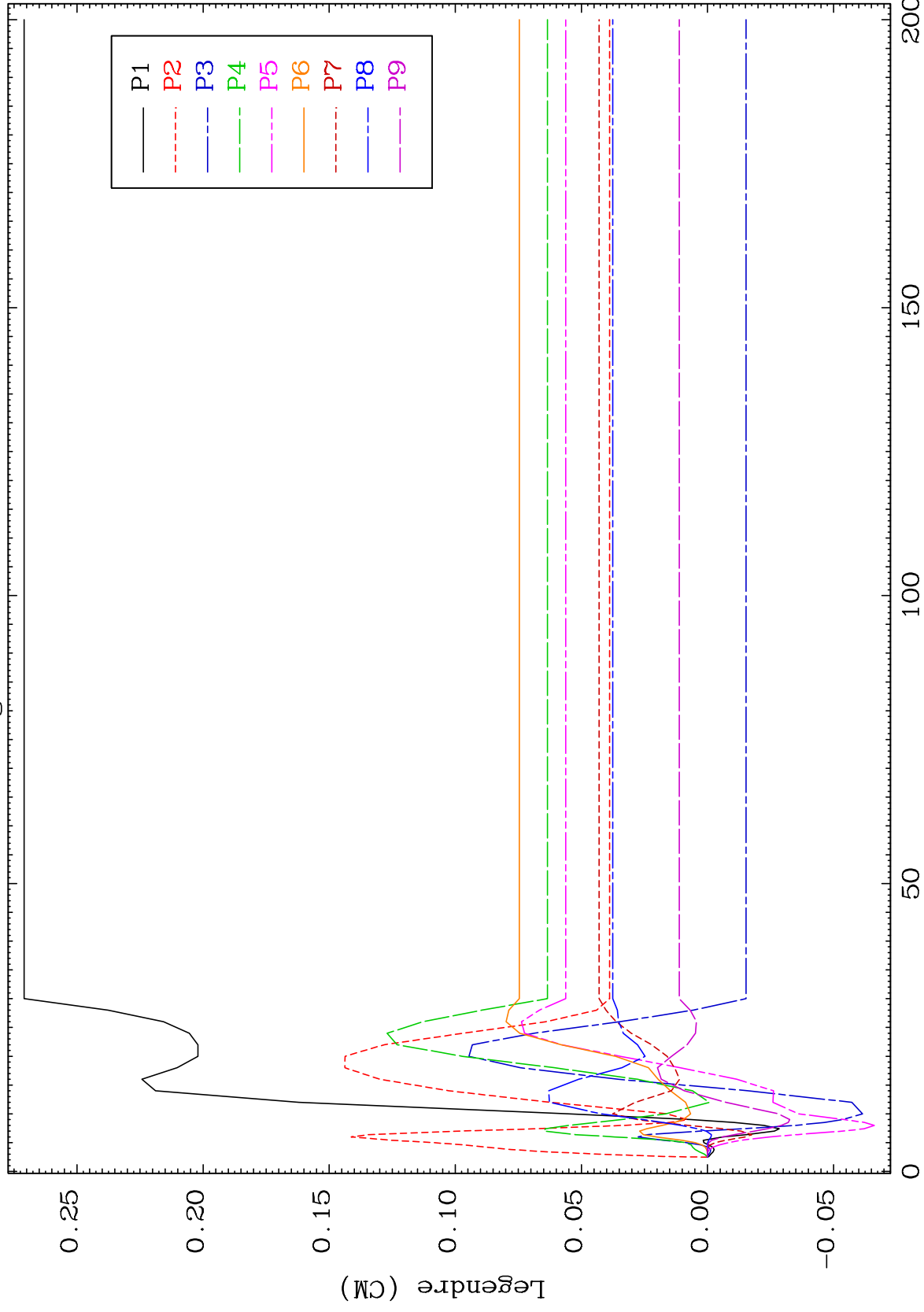
56-Ba-132



MAT 5631

2.453 MeV (n, n') Level
Legendre Coefficients

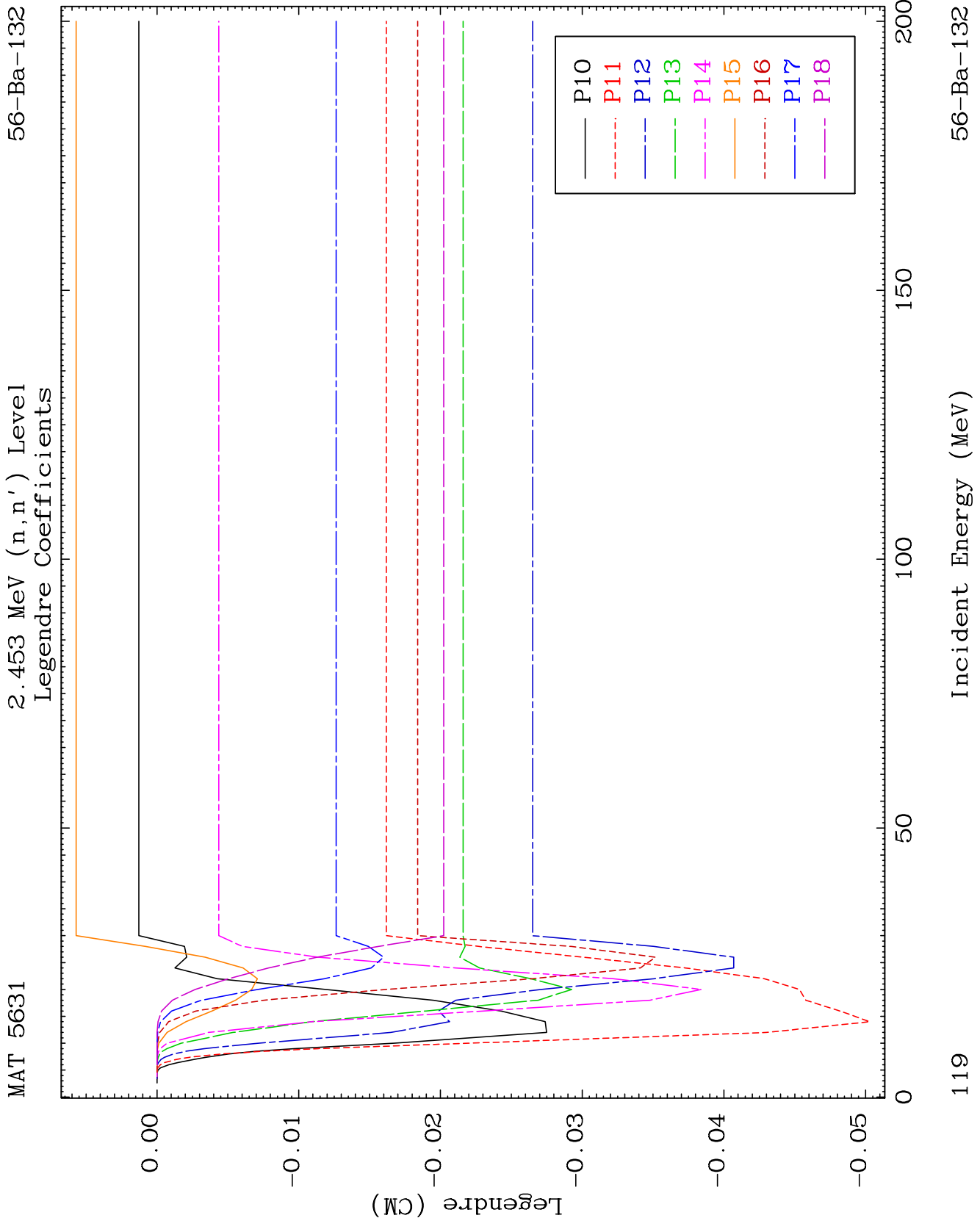
56-Ba-132

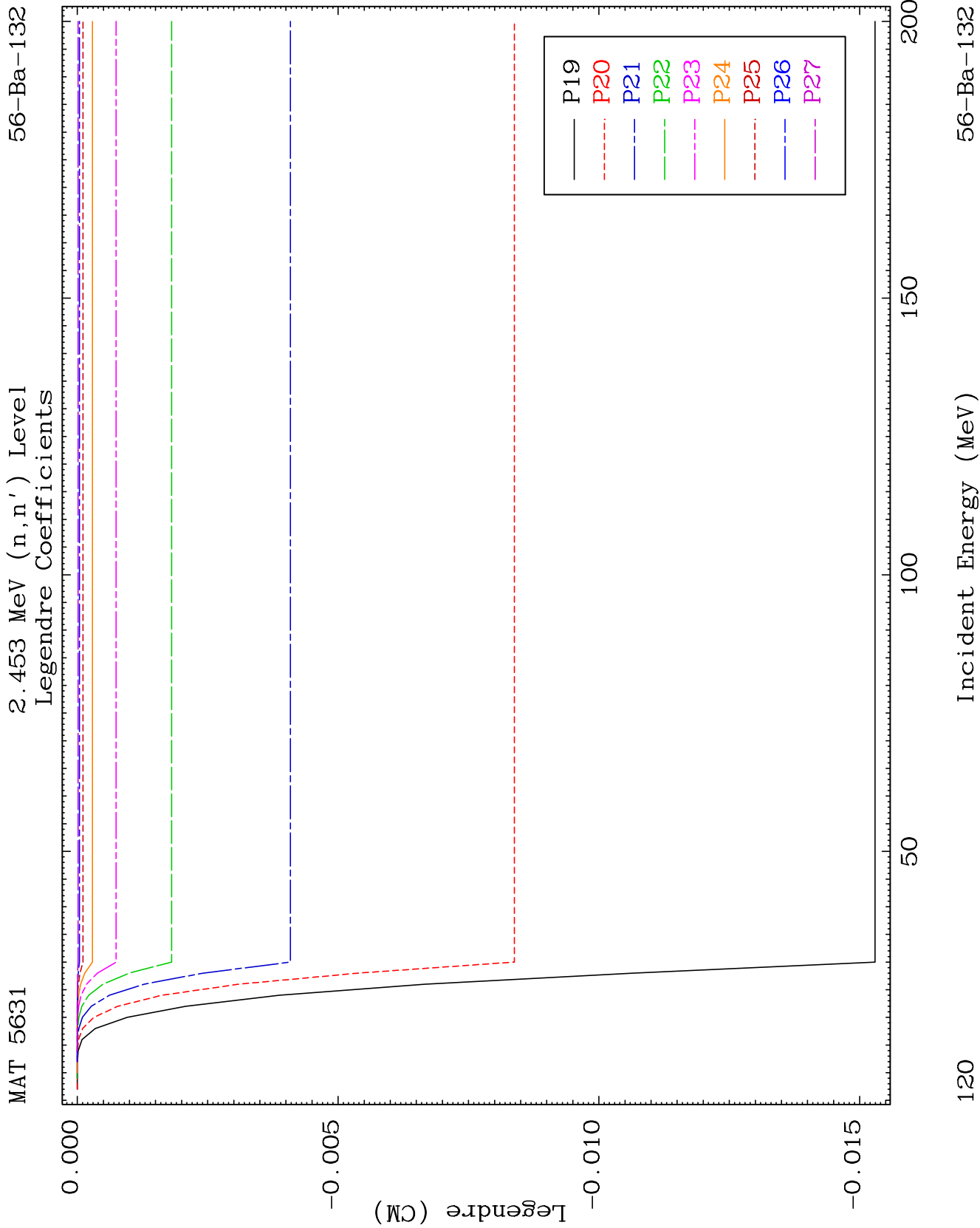


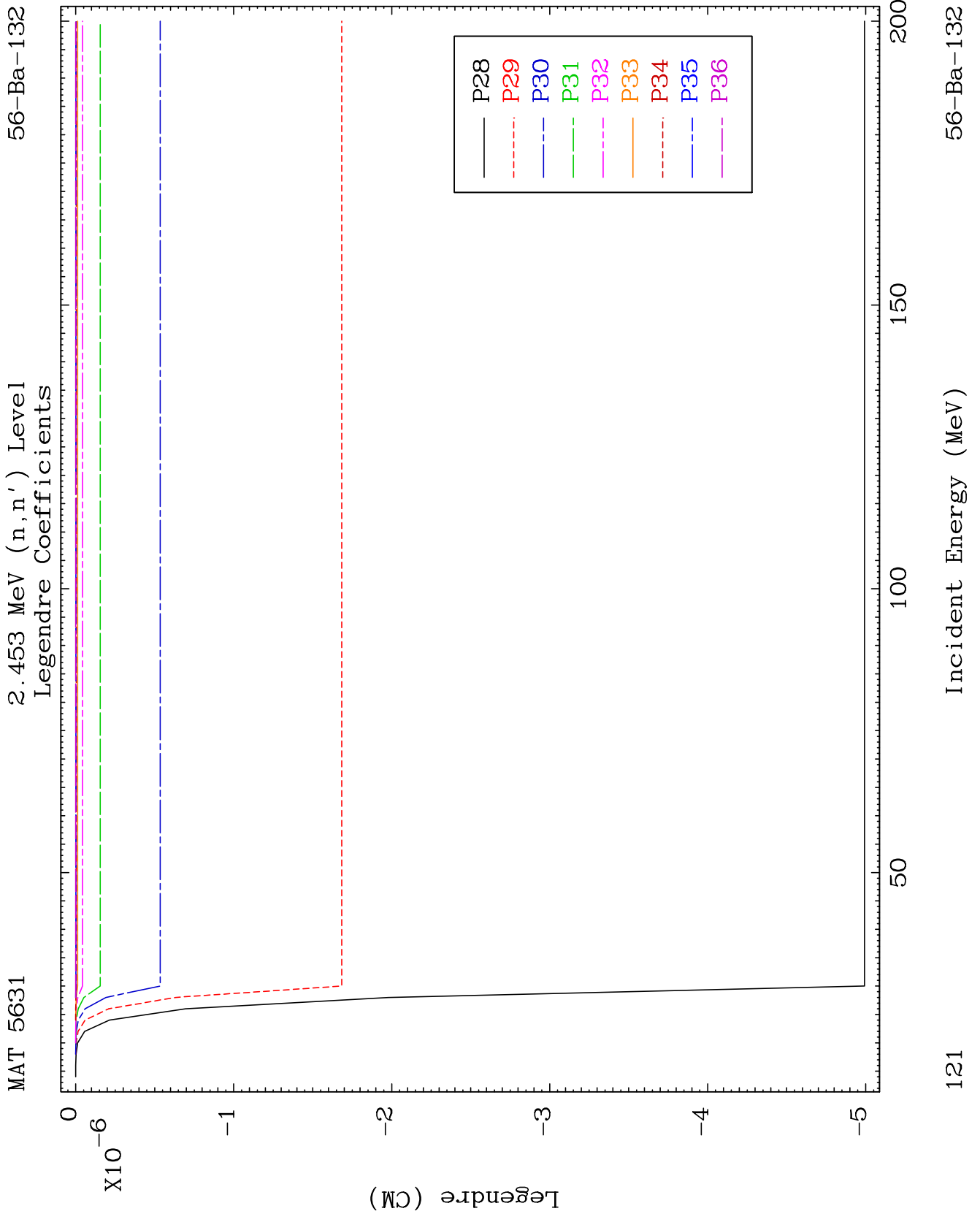
56-Ba-132

Incident Energy (MeV)

118



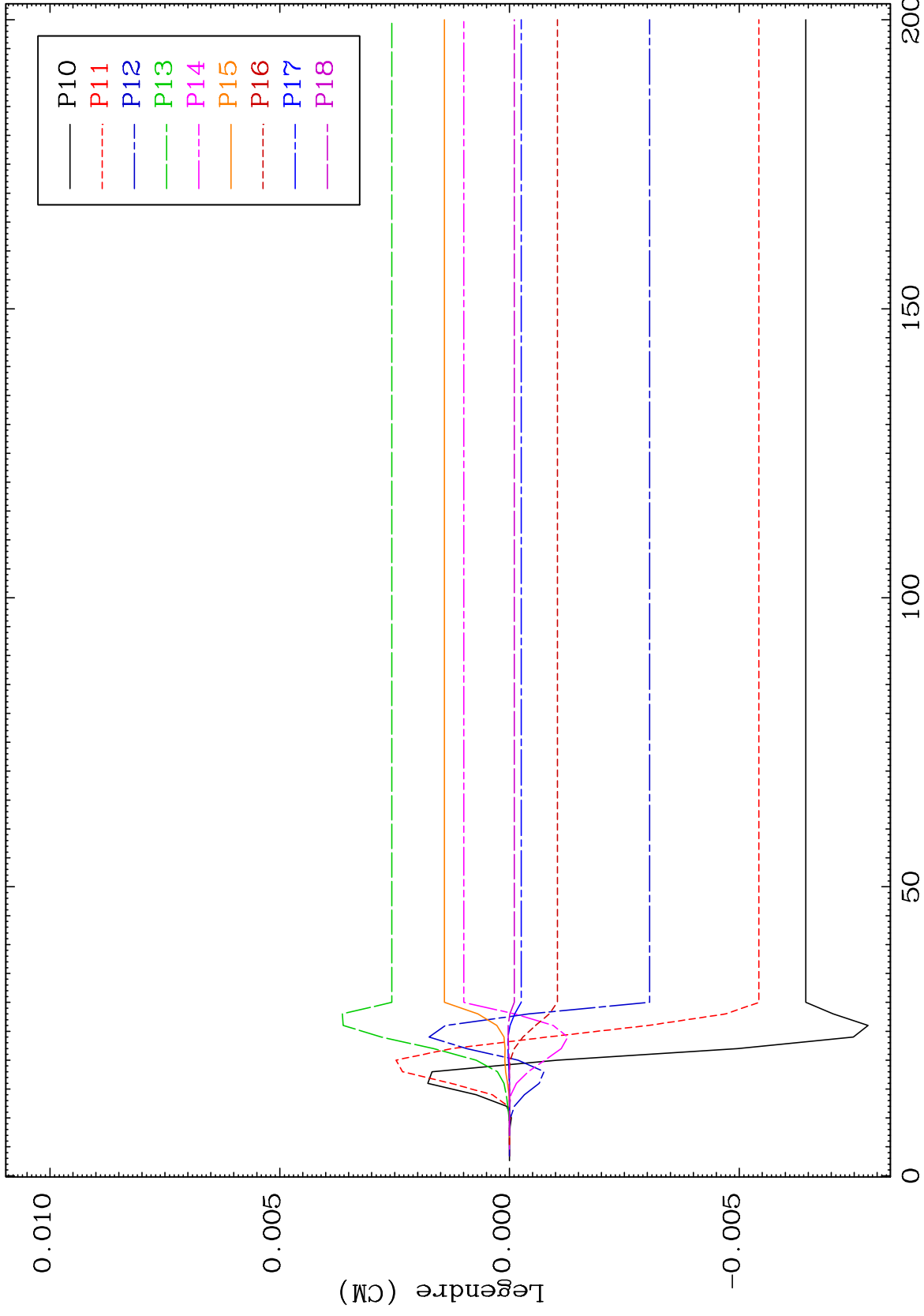




MAT 5631

2.483 MeV (n,n') Level
Legendre Coefficients

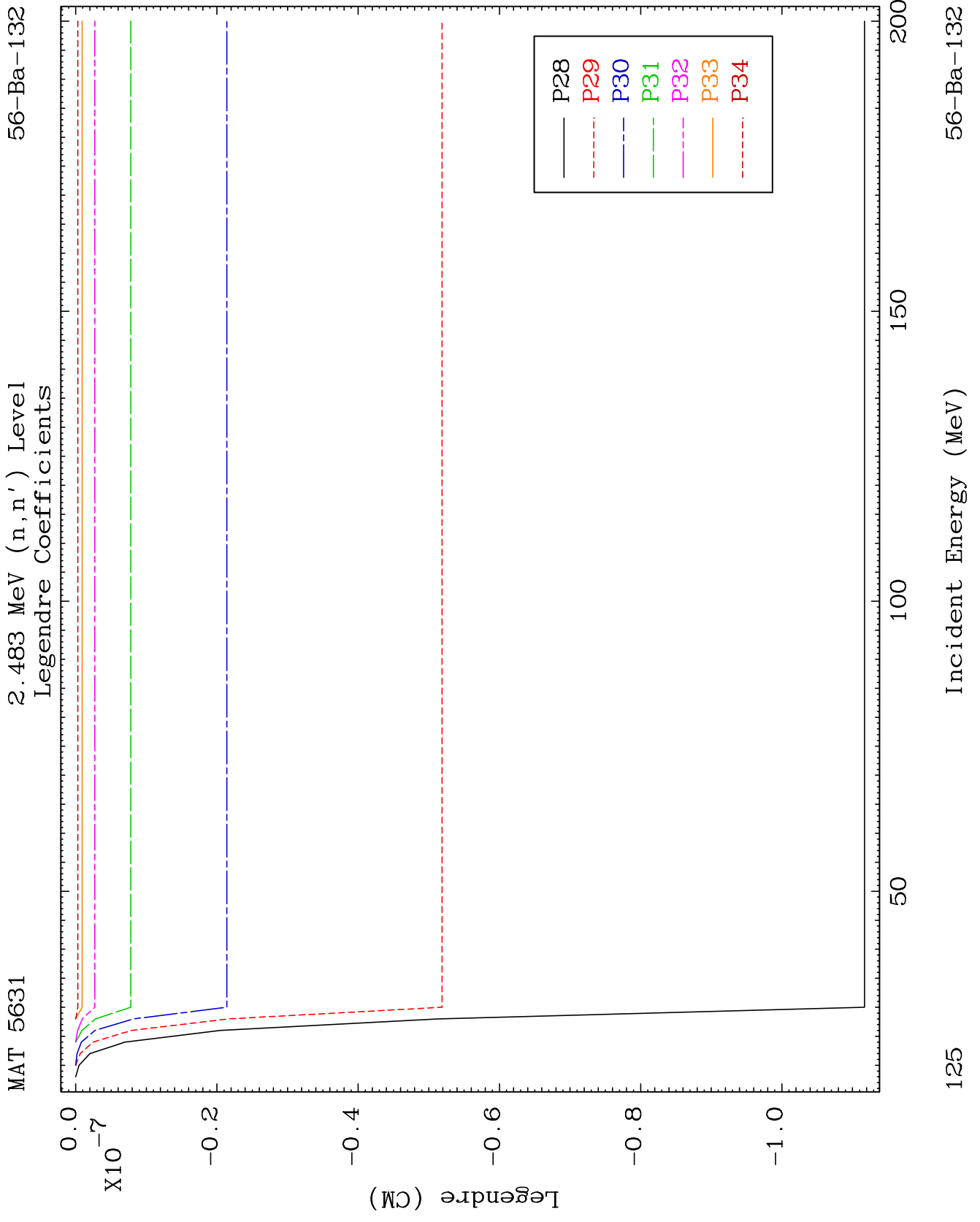
56-Ba-132

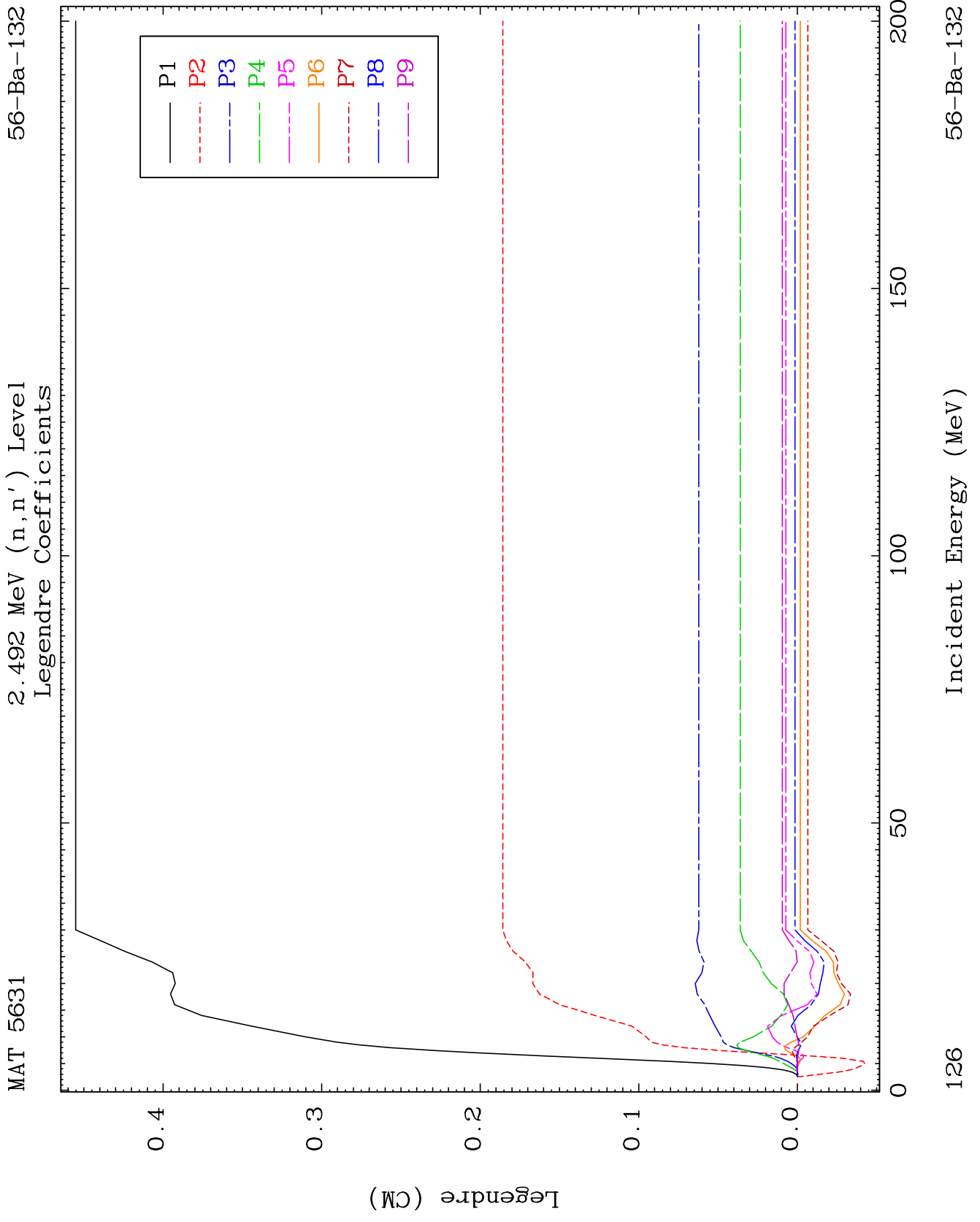


123

Incident Energy (MeV)

56-Ba-132

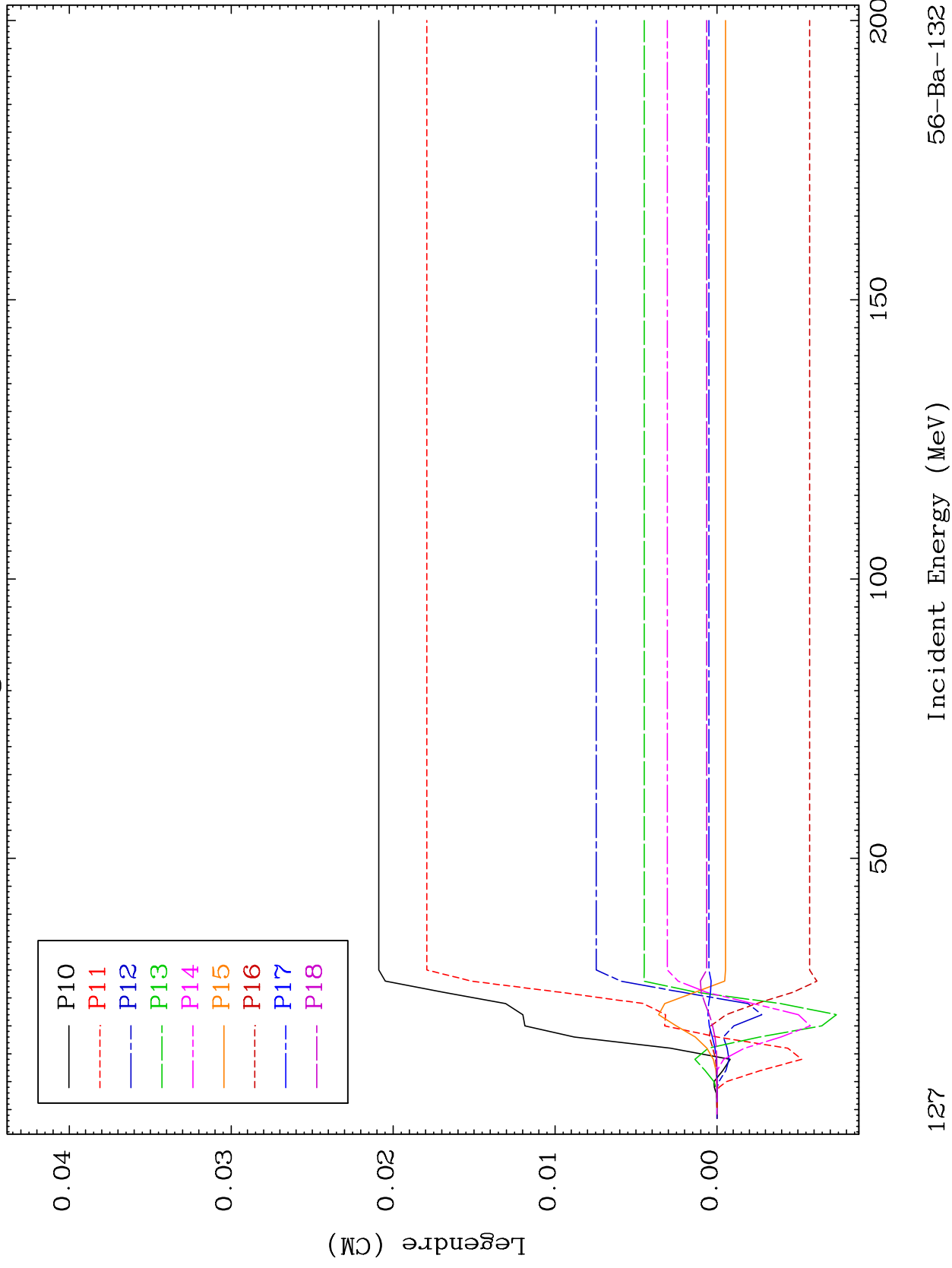




MAT 5631

2.492 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



127

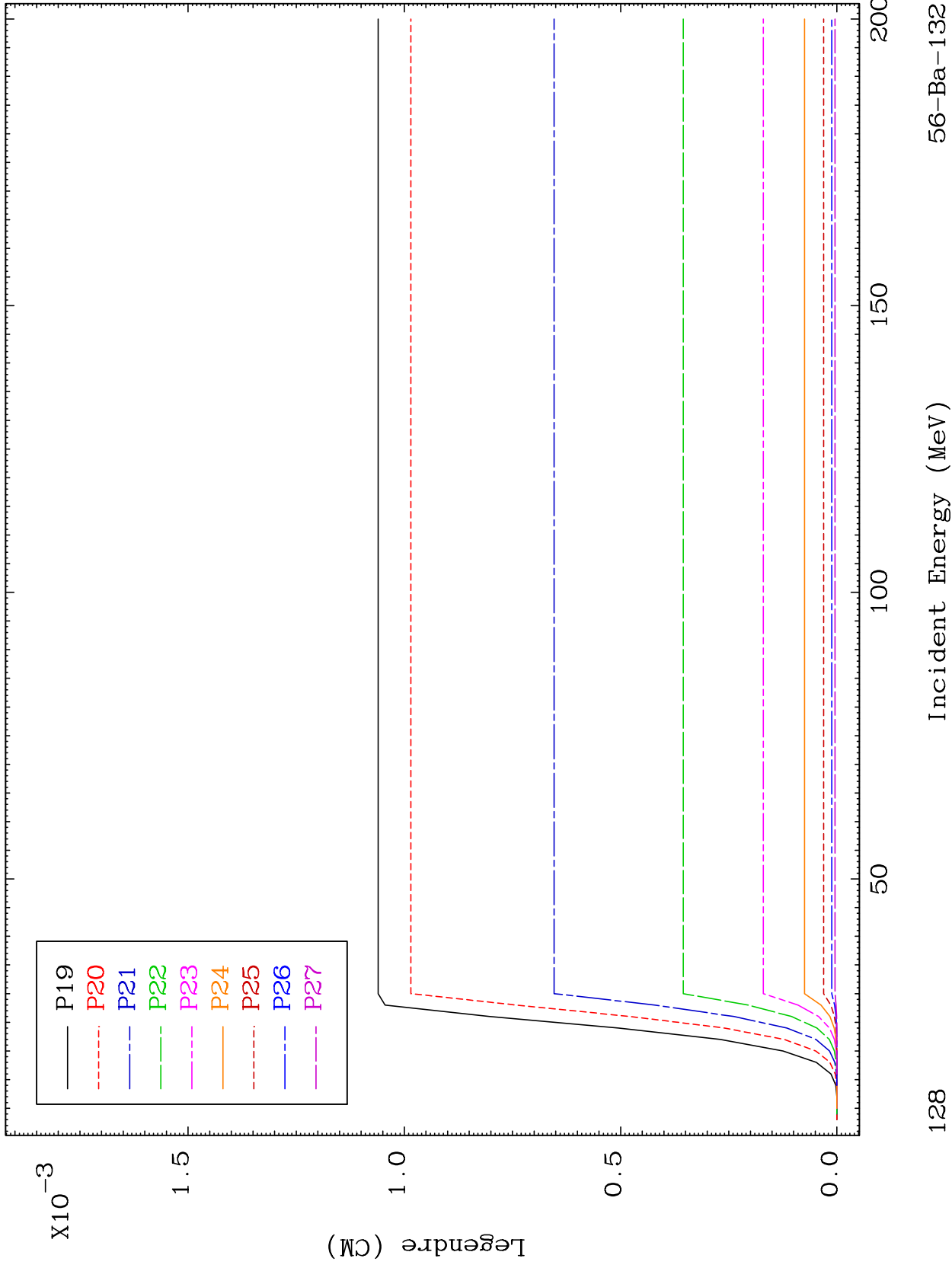
Incident Energy (MeV)

56-Ba-132

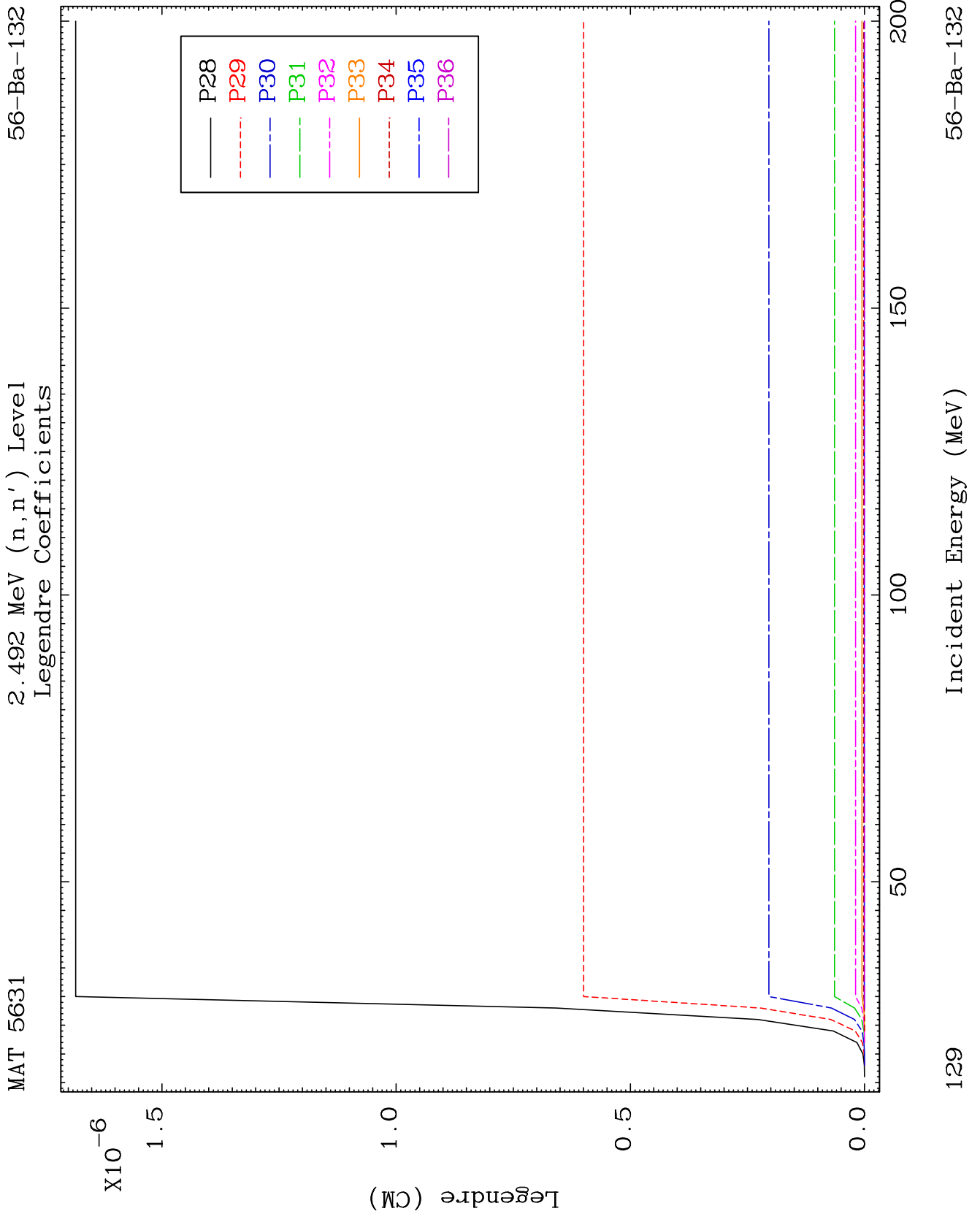
MAT 5631

2.492 MeV (n,n') Level
Legendre Coefficients

56-Ba-132



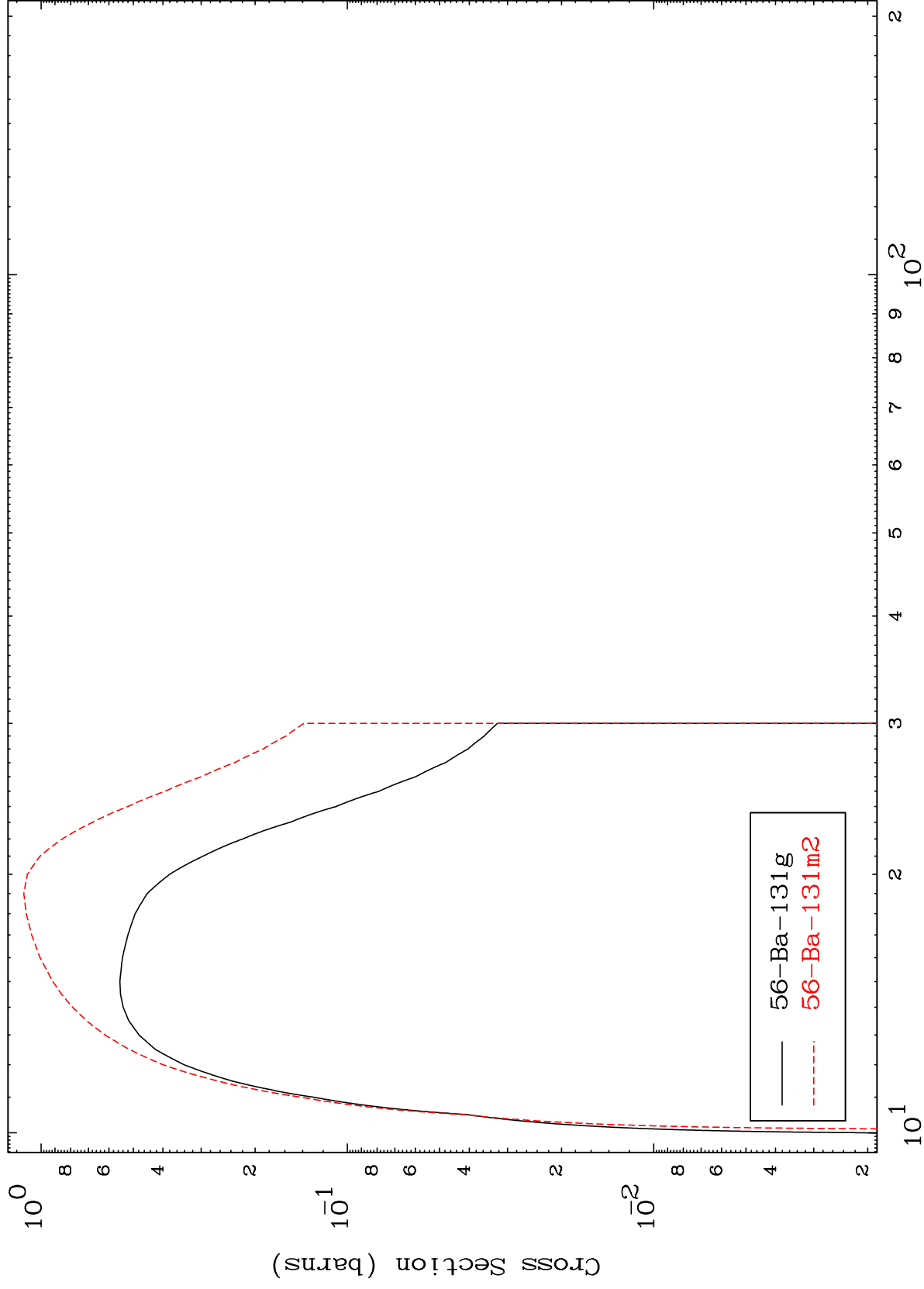
128



MAT 5631

56-Ba-132

(n,2n)
Radionuclide Production Cross Section



56-Ba-132

Incident Energy (MeV)

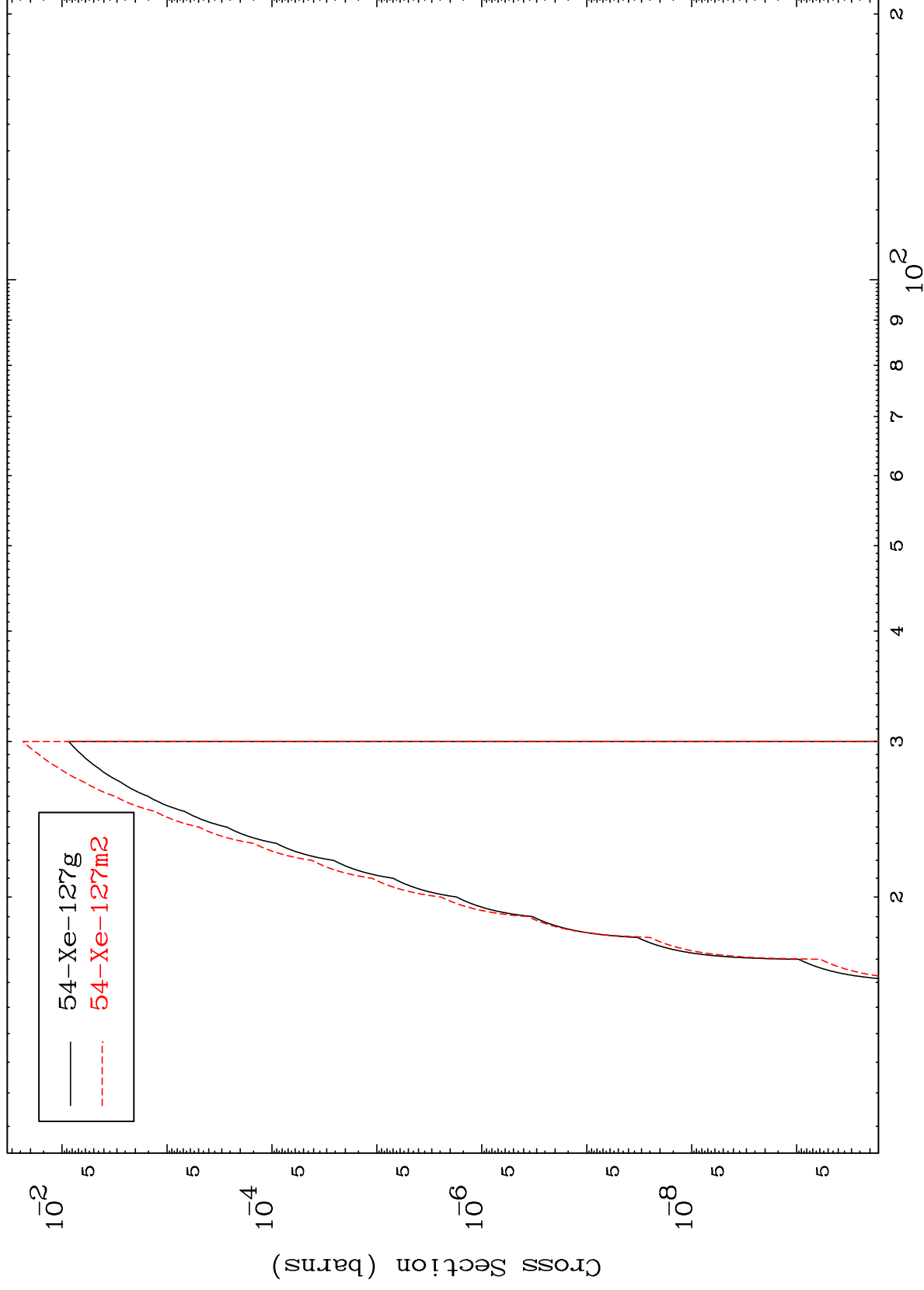
130

MAT 5631

(n,2n) α

56-Ba-132

Radionuclide Production Cross Section



131

Incident Energy (MeV)

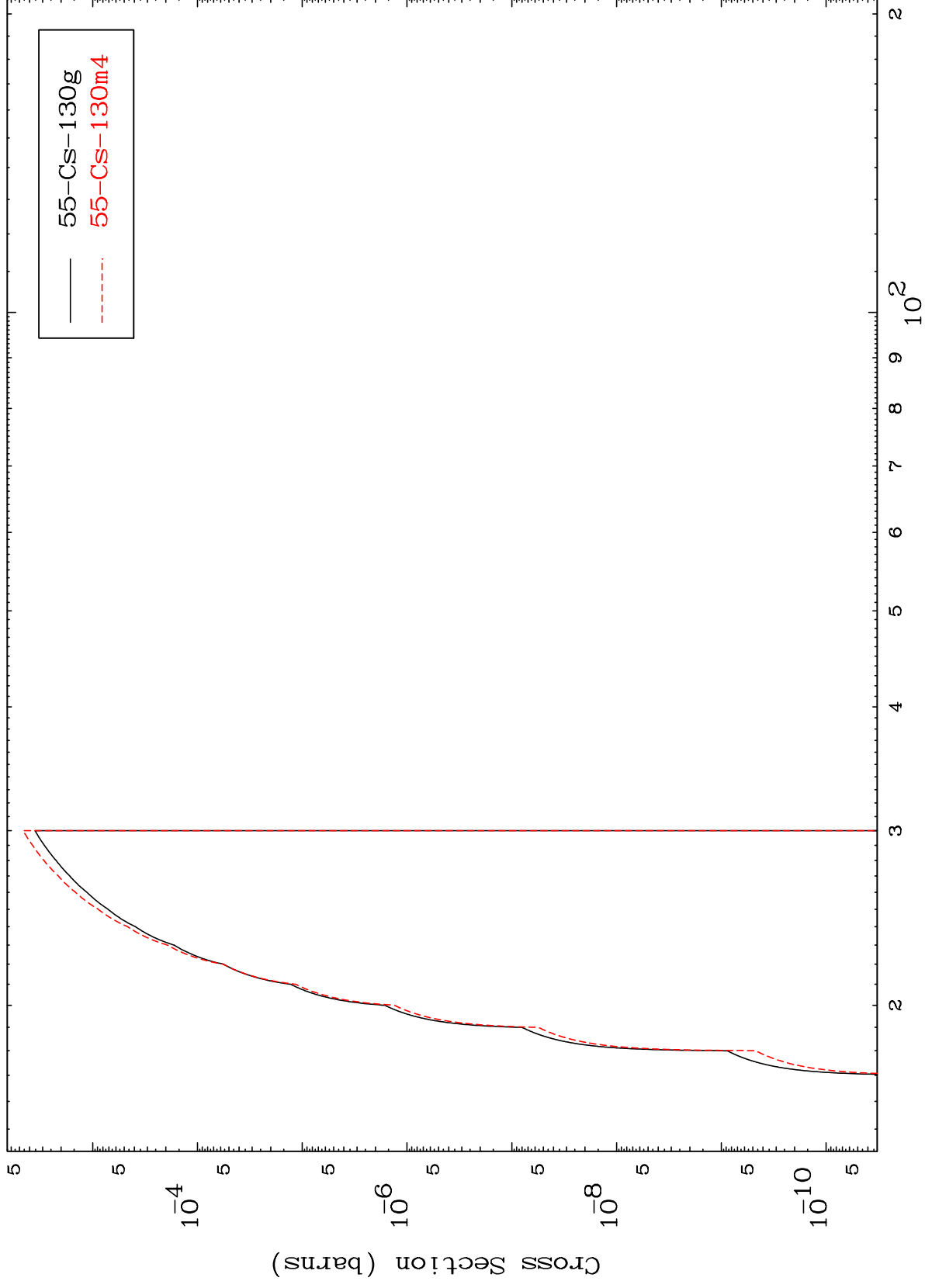
56-Ba-132

MAT 5631

(n,n') d

56-Ba-132

Radionuclide Production Cross Section



132

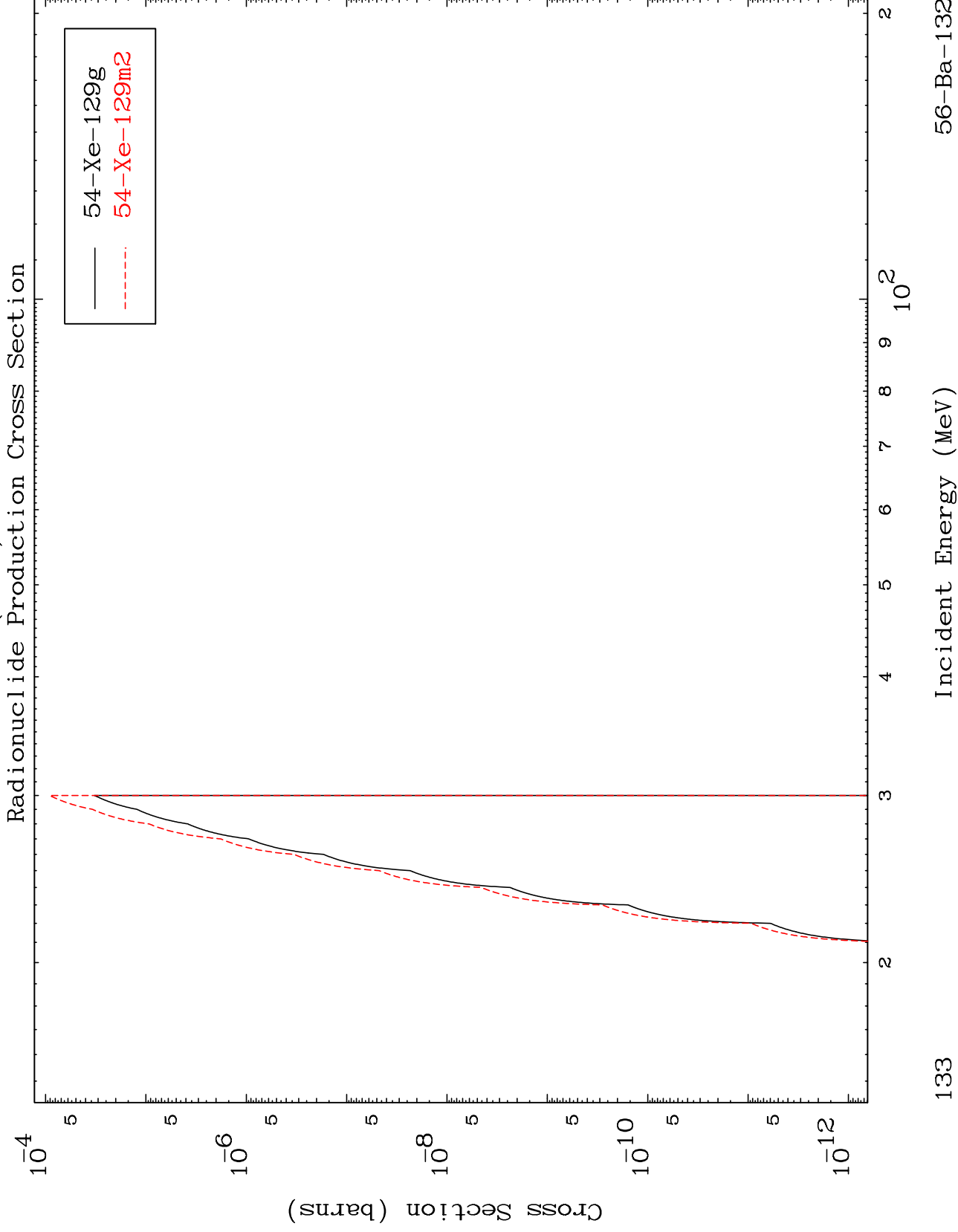
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,n') He-3

56-Ba-132



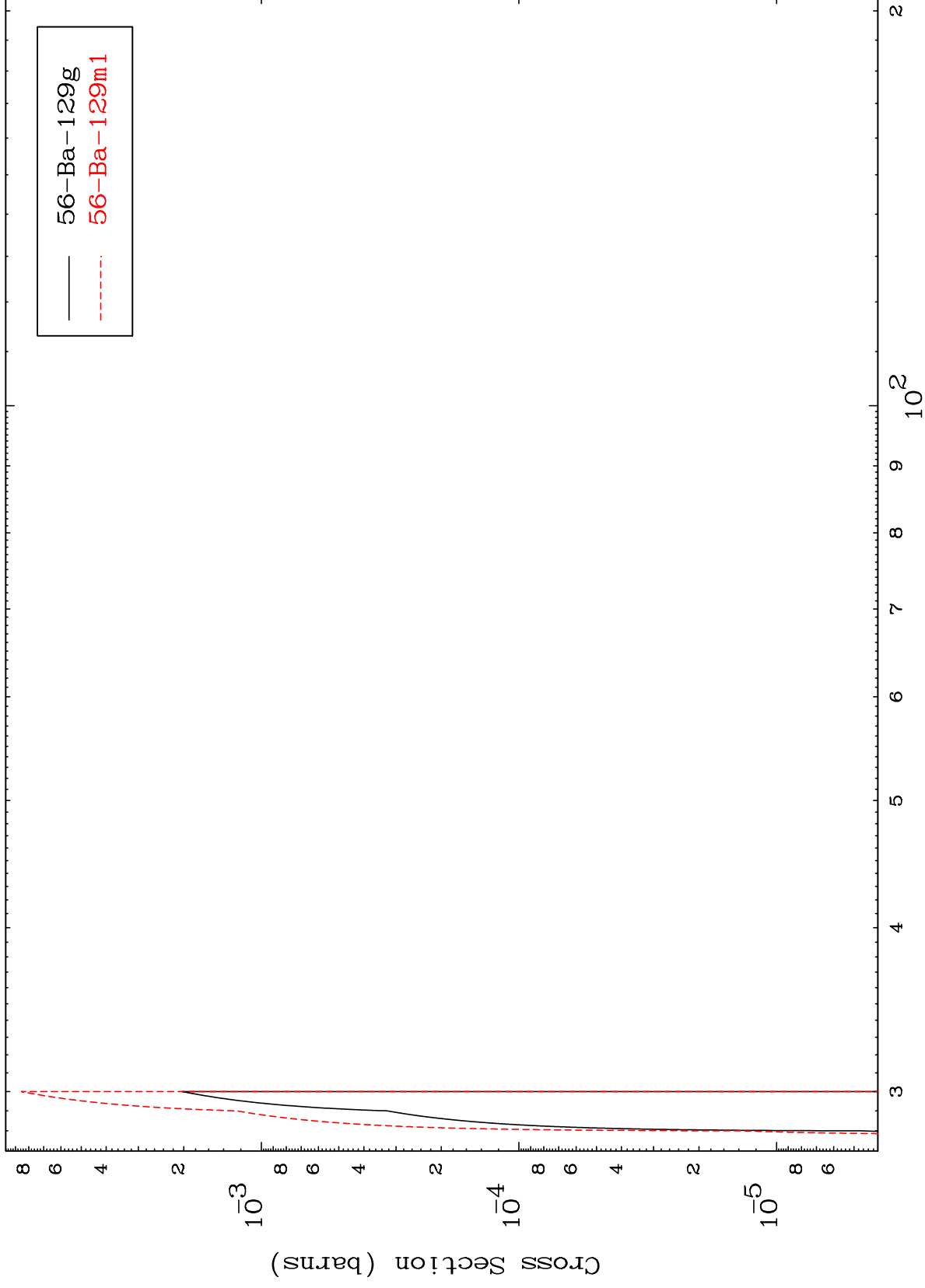
133

56-Ba-132

MAT 5631

56-Ba-132

(n,4n)
Radionuclide Production Cross Section



56-Ba-132

Incident Energy (MeV)

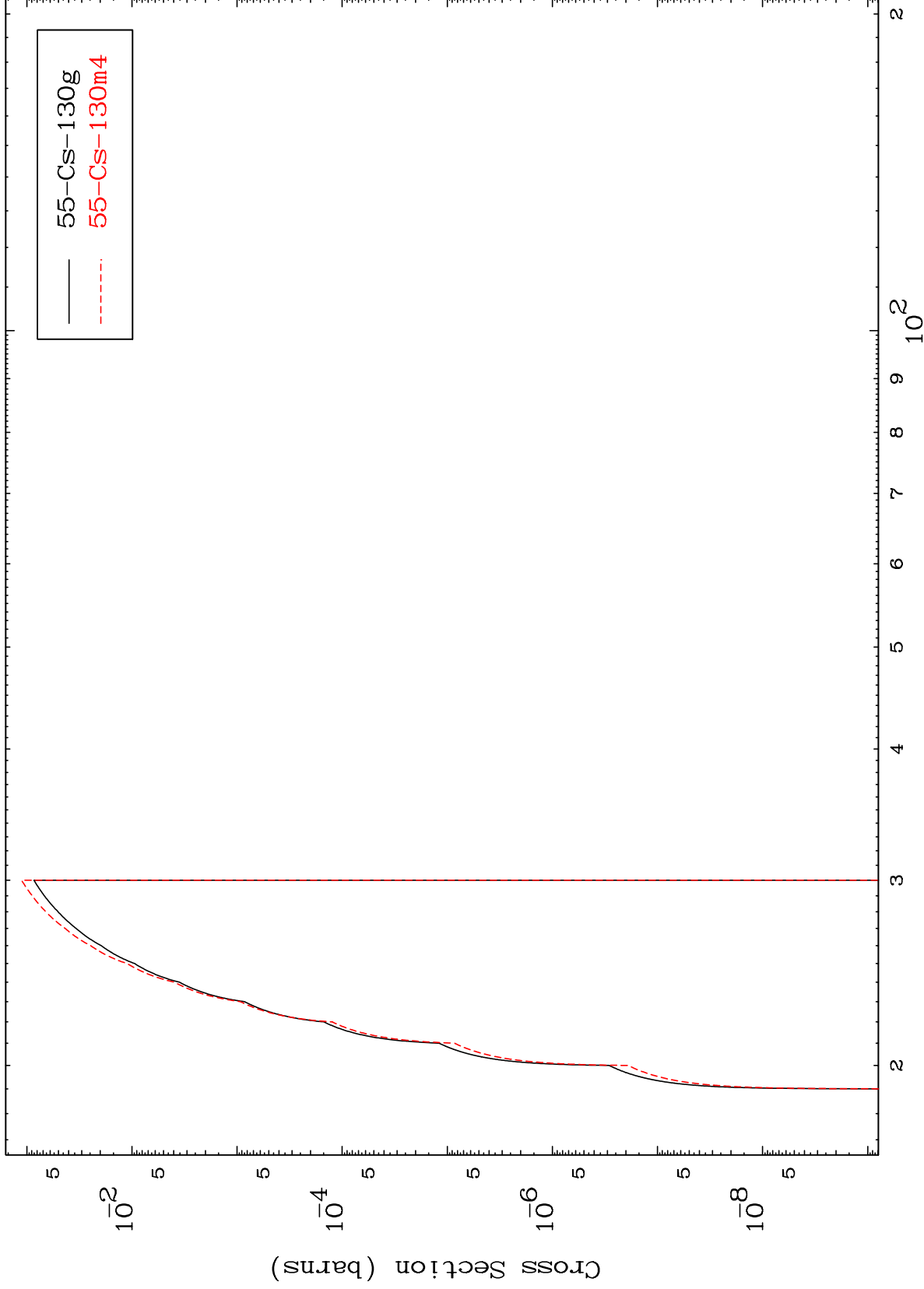
134

MAT 5631

(n,2n) p

56-Ba-132

Radionuclide Production Cross Section



135

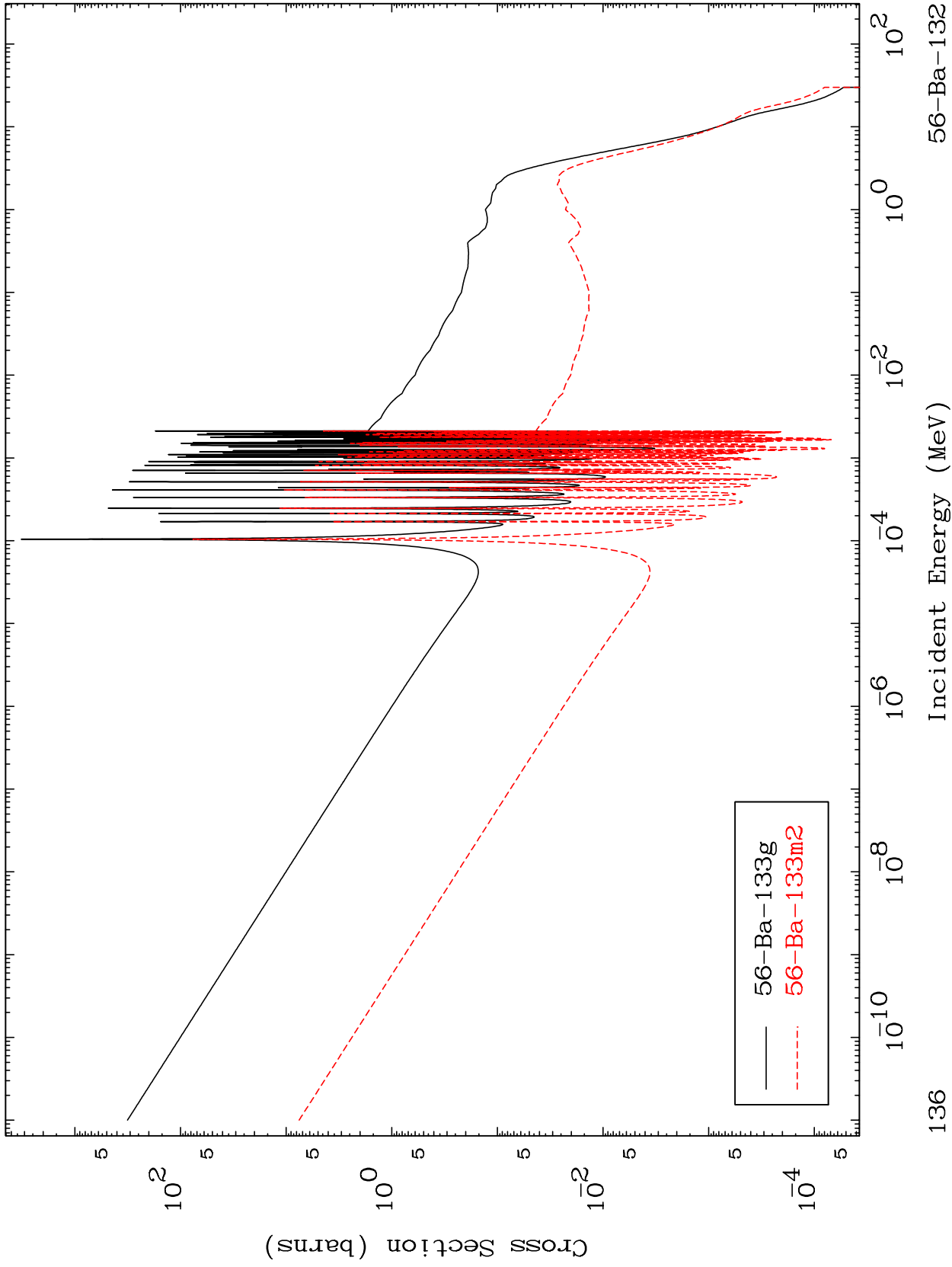
Incident Energy (MeV)

56-Ba-132

MAT 5631

56-Ba-132

(n, γ)
Radionuclide Production Cross Section



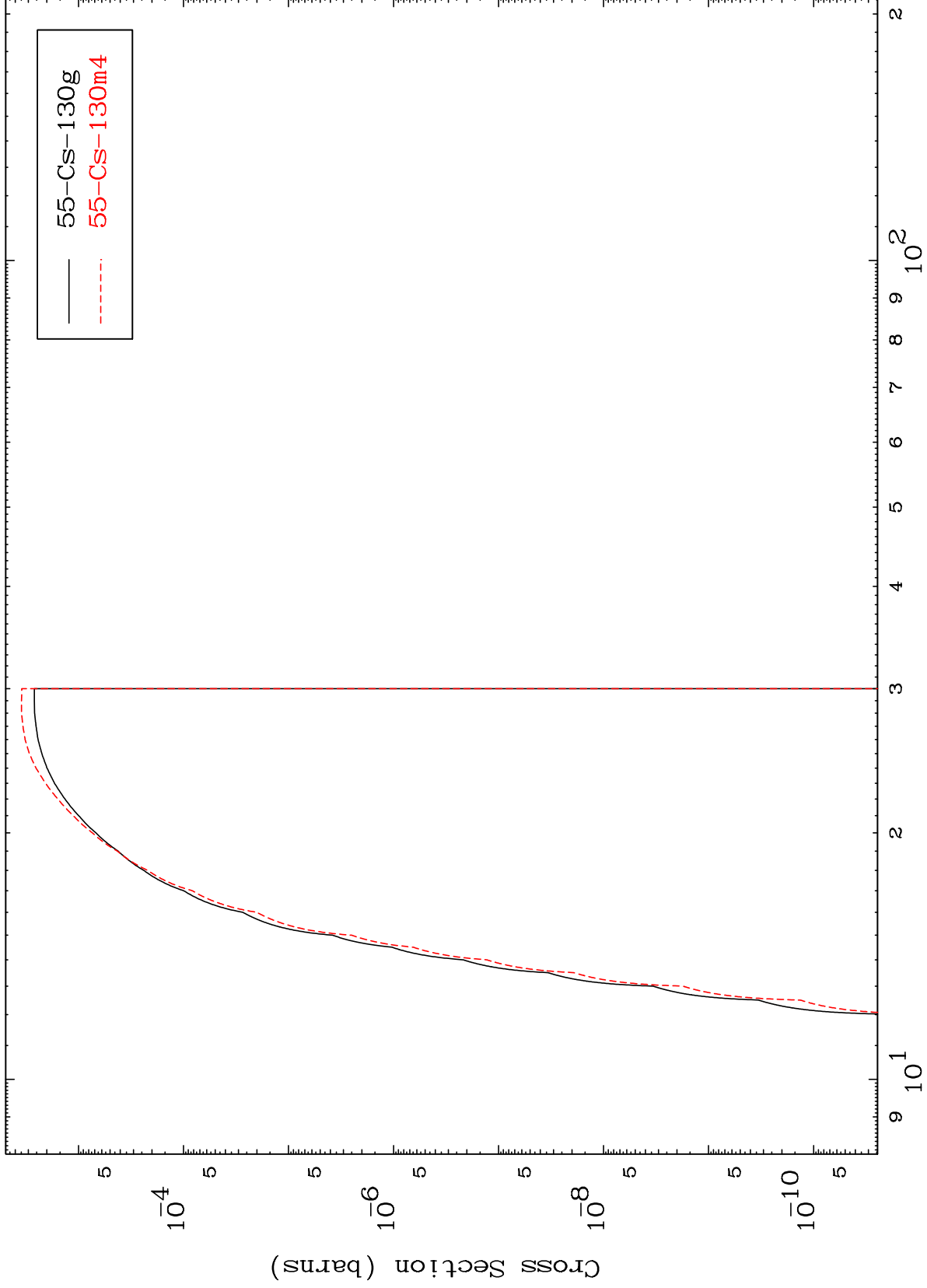
136

56-Ba-132

MAT 5631

56-Ba-132

(n,t)
Radionuclide Production Cross Section



137

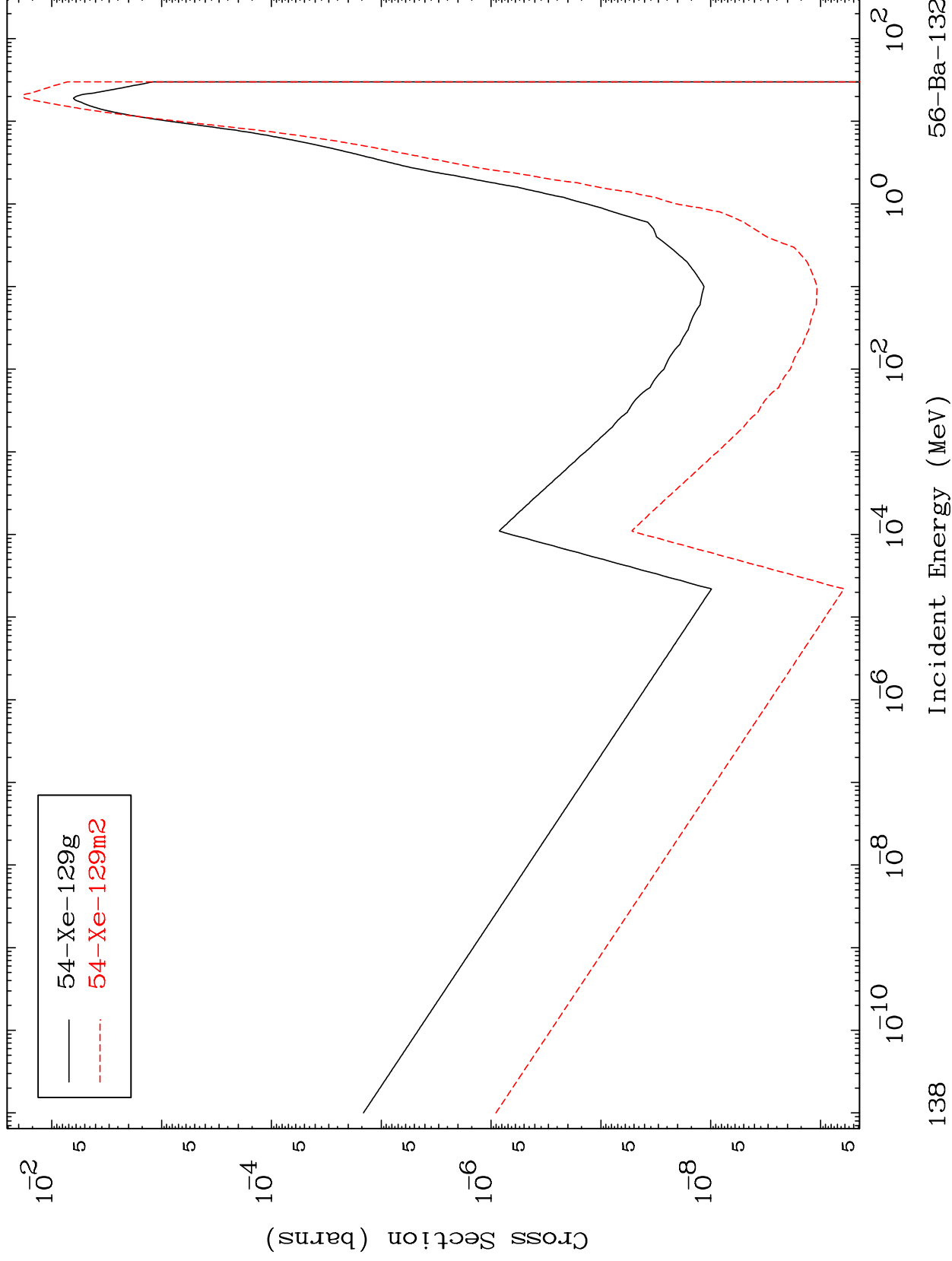
Incident Energy (MeV)

56-Ba-132

MAT 5631

56-Ba-132

Radionuclide Production Cross Section
(n, α)



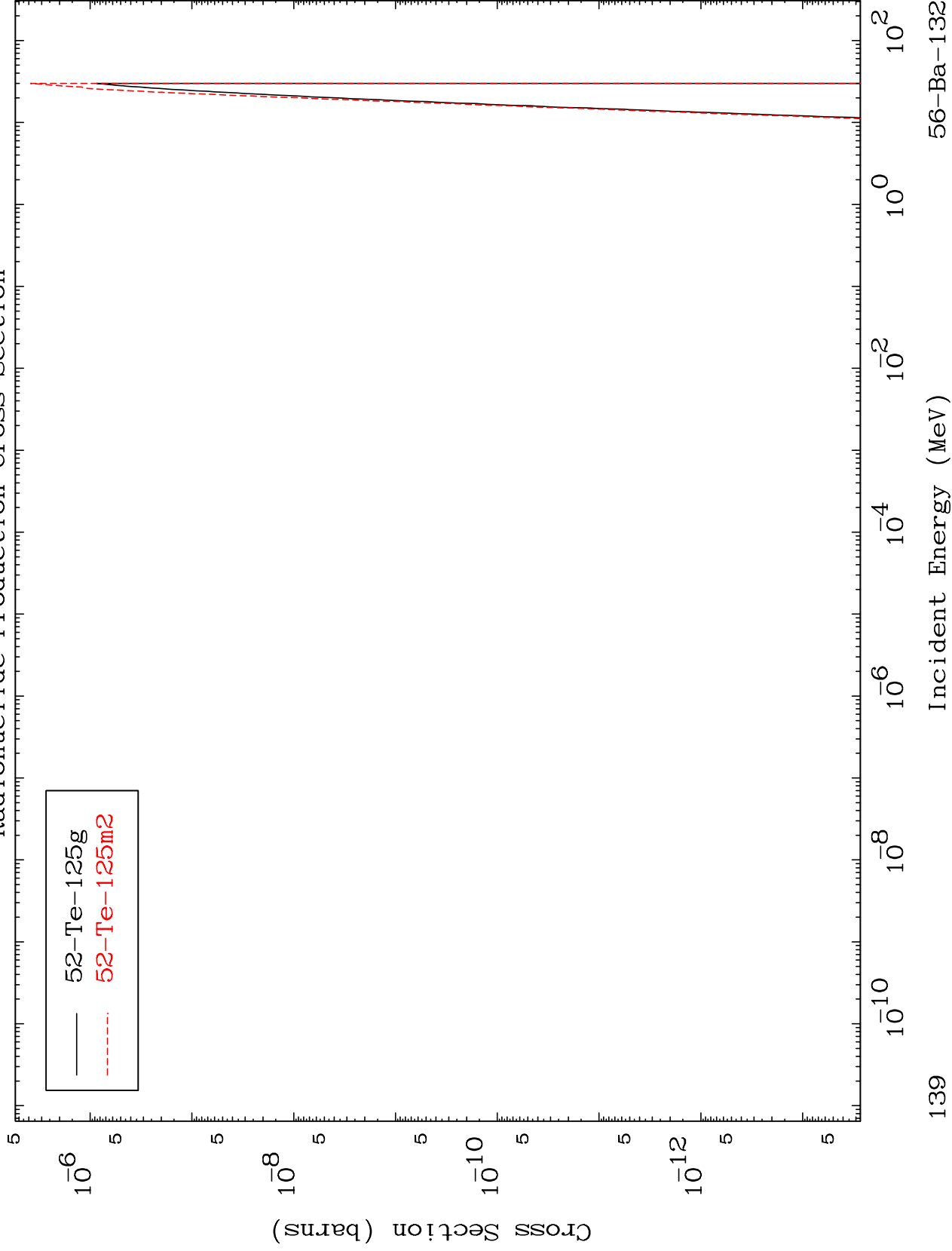
138

MAT 5631

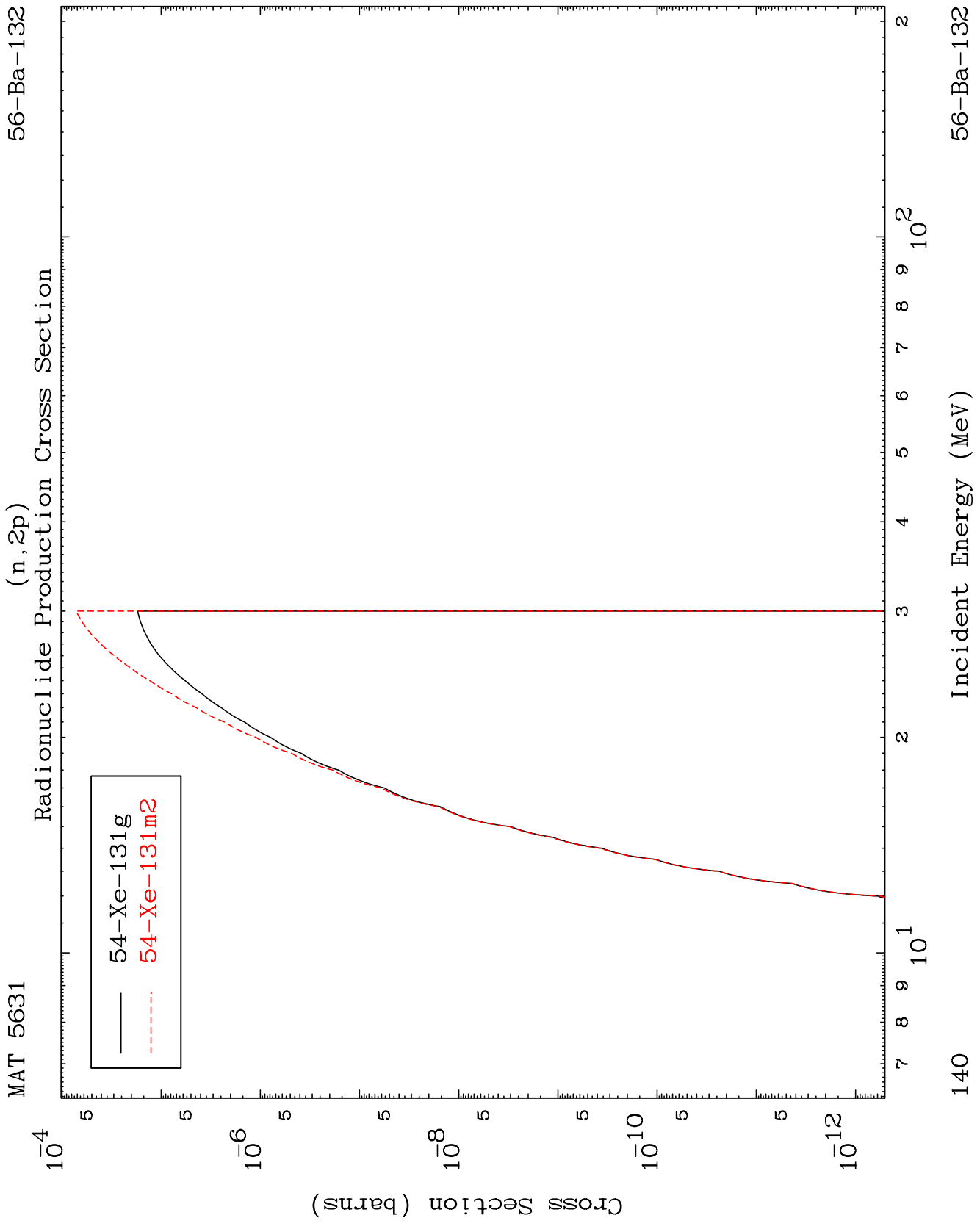
(n,2α)

56-Ba-132

Radionuclide Production Cross Section



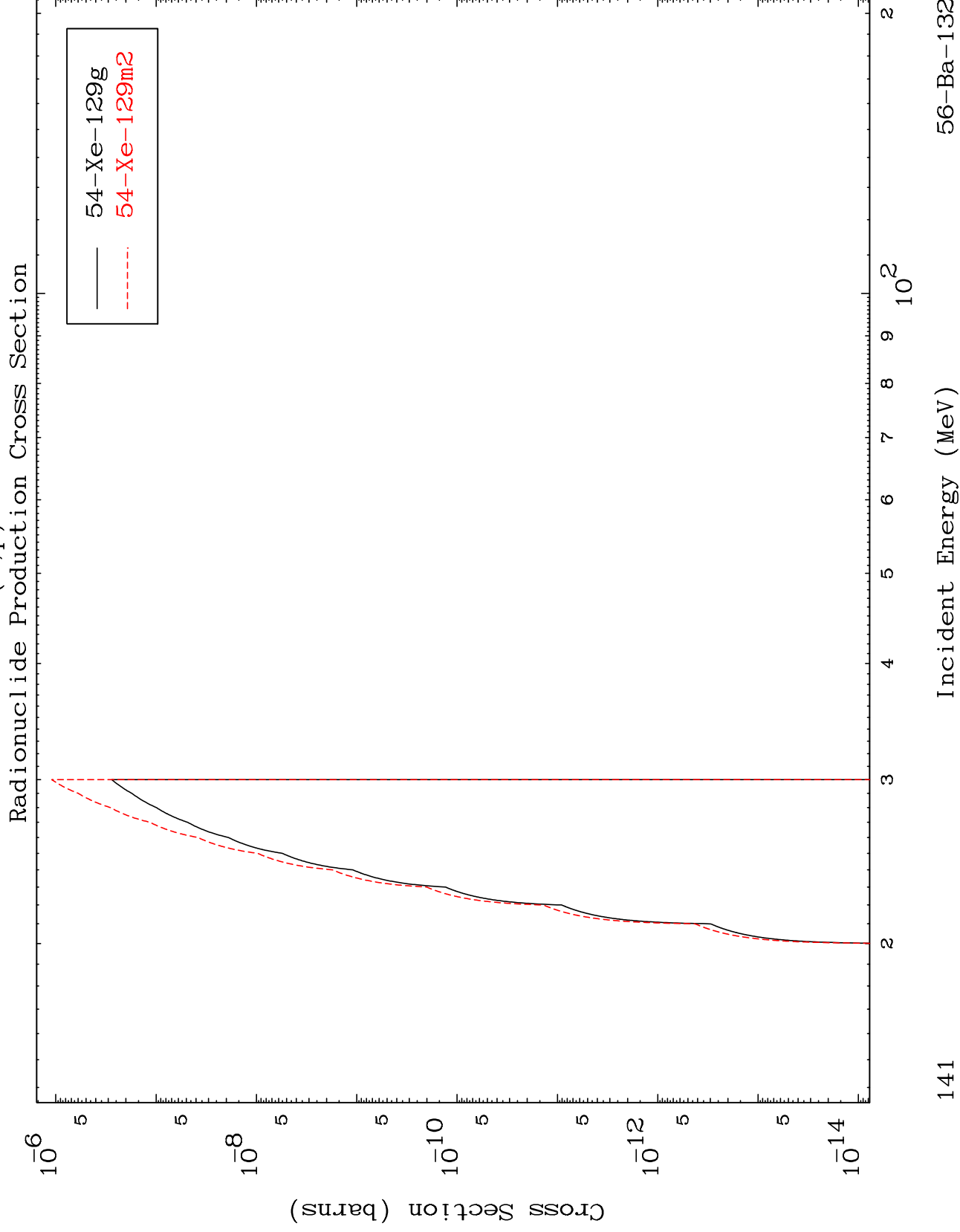
139



MAT 5631

(n,p) t

56-Ba-132



141

56-Ba-132