

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

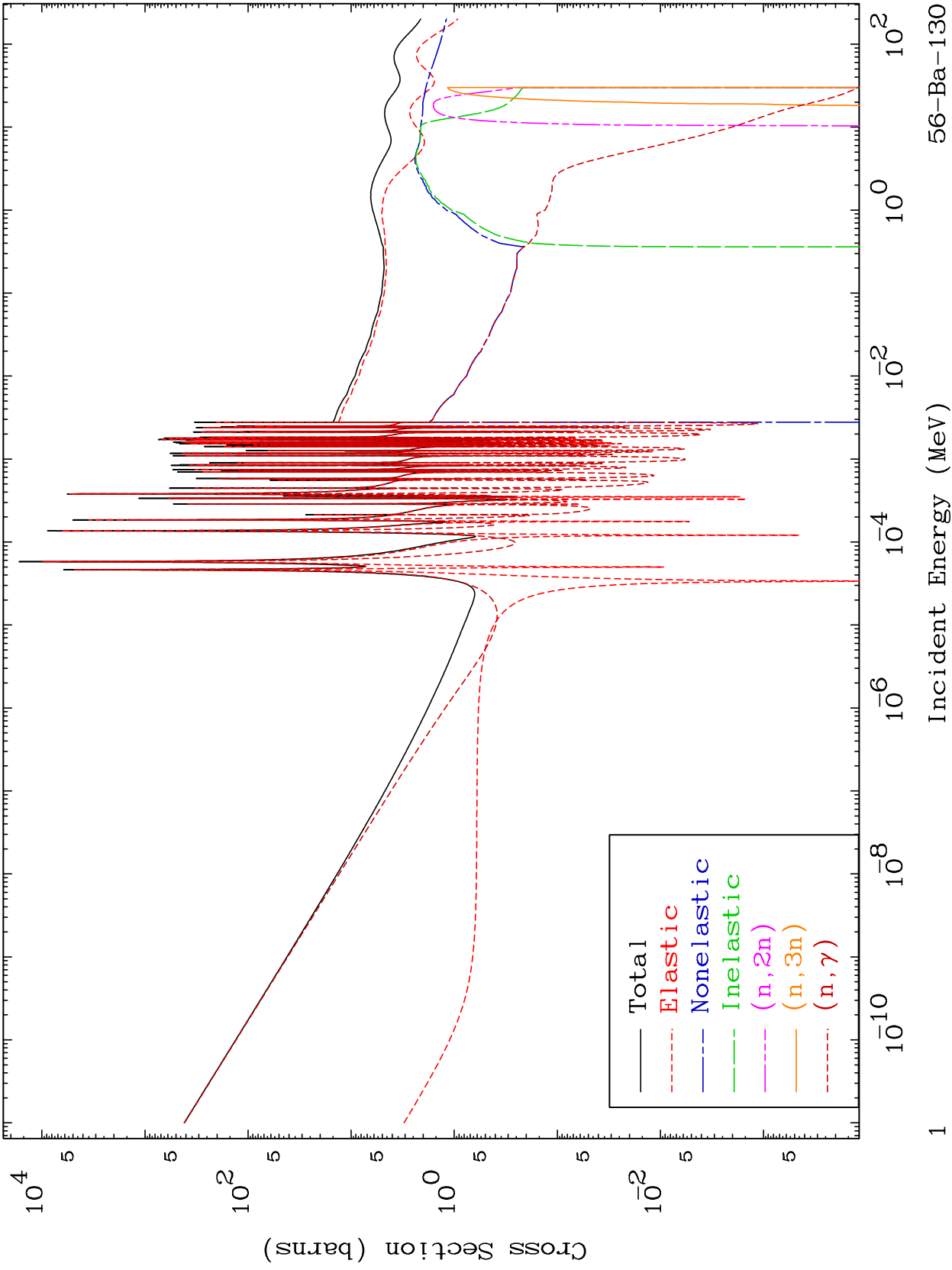
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5625

Neutron Major
293 Kelvin Cross Sections

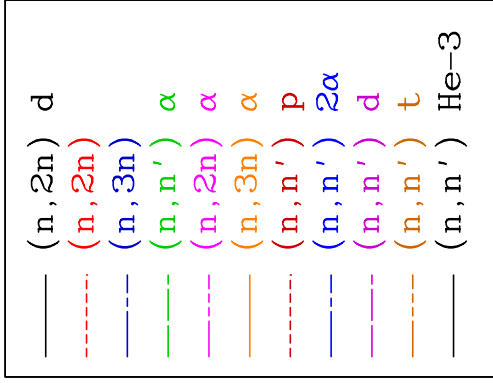
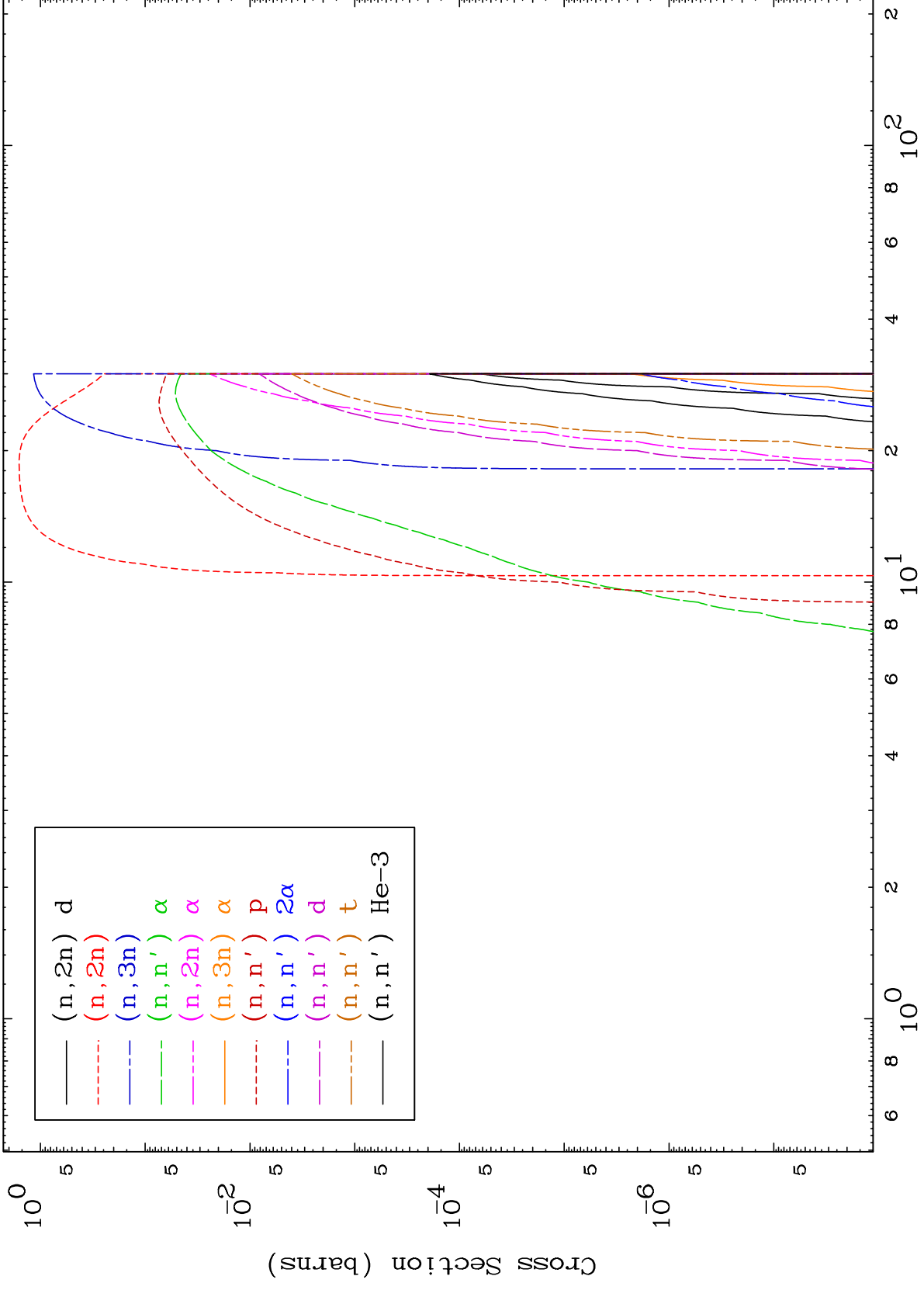
56-Ba-130



MAT 5625

Neutron Absorption
293 Kelvin Cross Sections

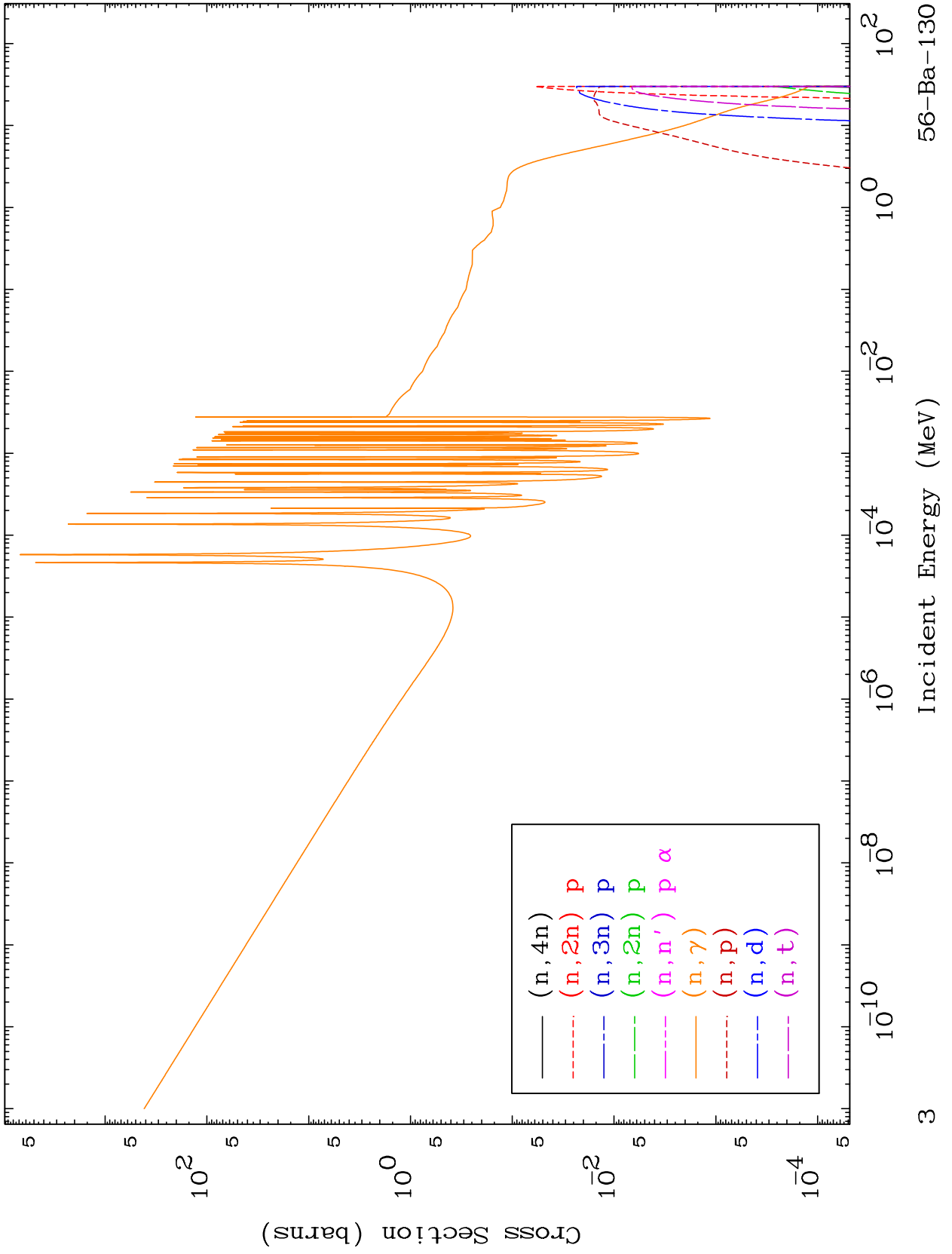
56-Ba-130



MAT 5625

Neutron Absorption
293 Kelvin Cross Sections

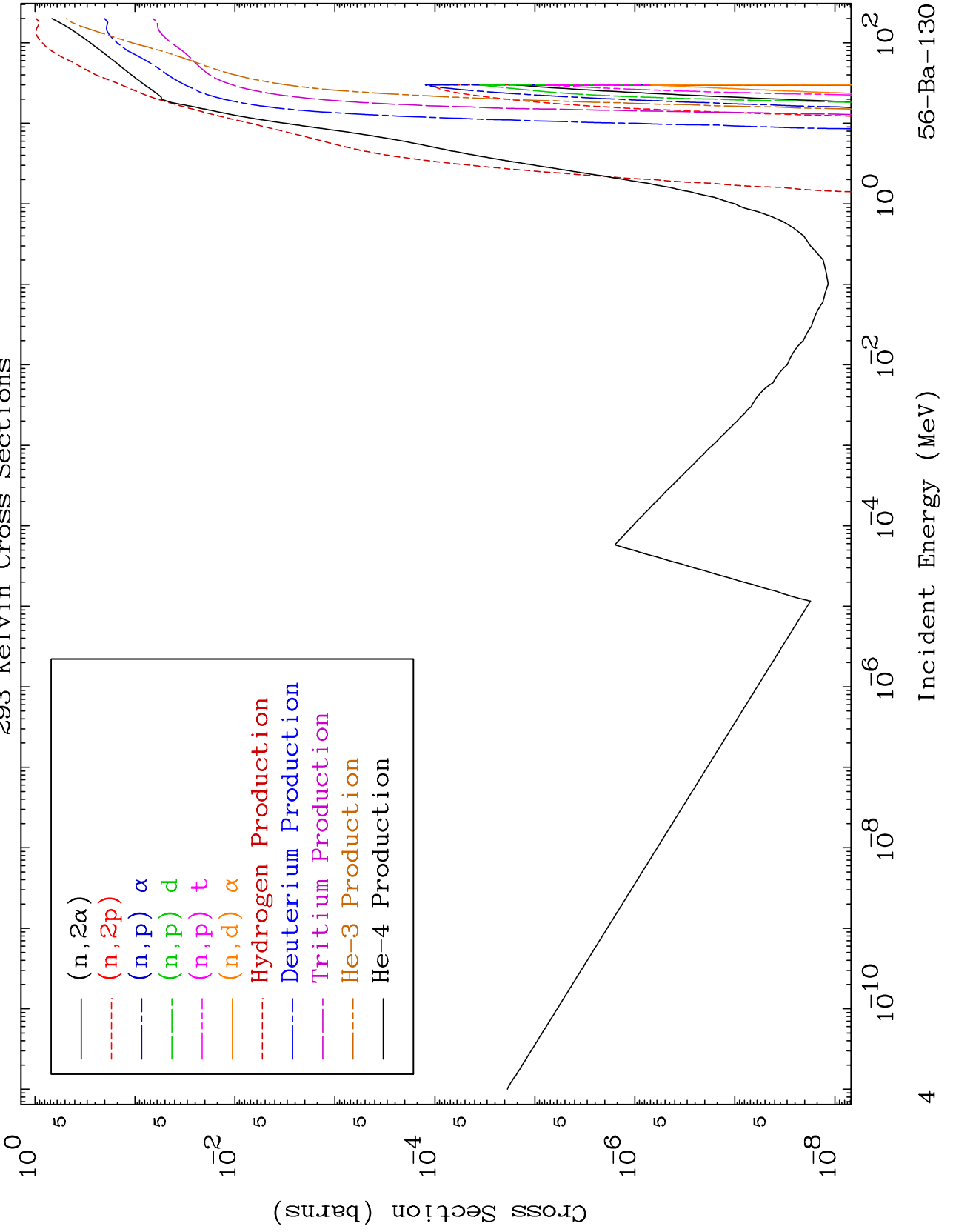
56-Ba-130



MAT 5625

Neutron Absorption
293 Kelvin Cross Sections

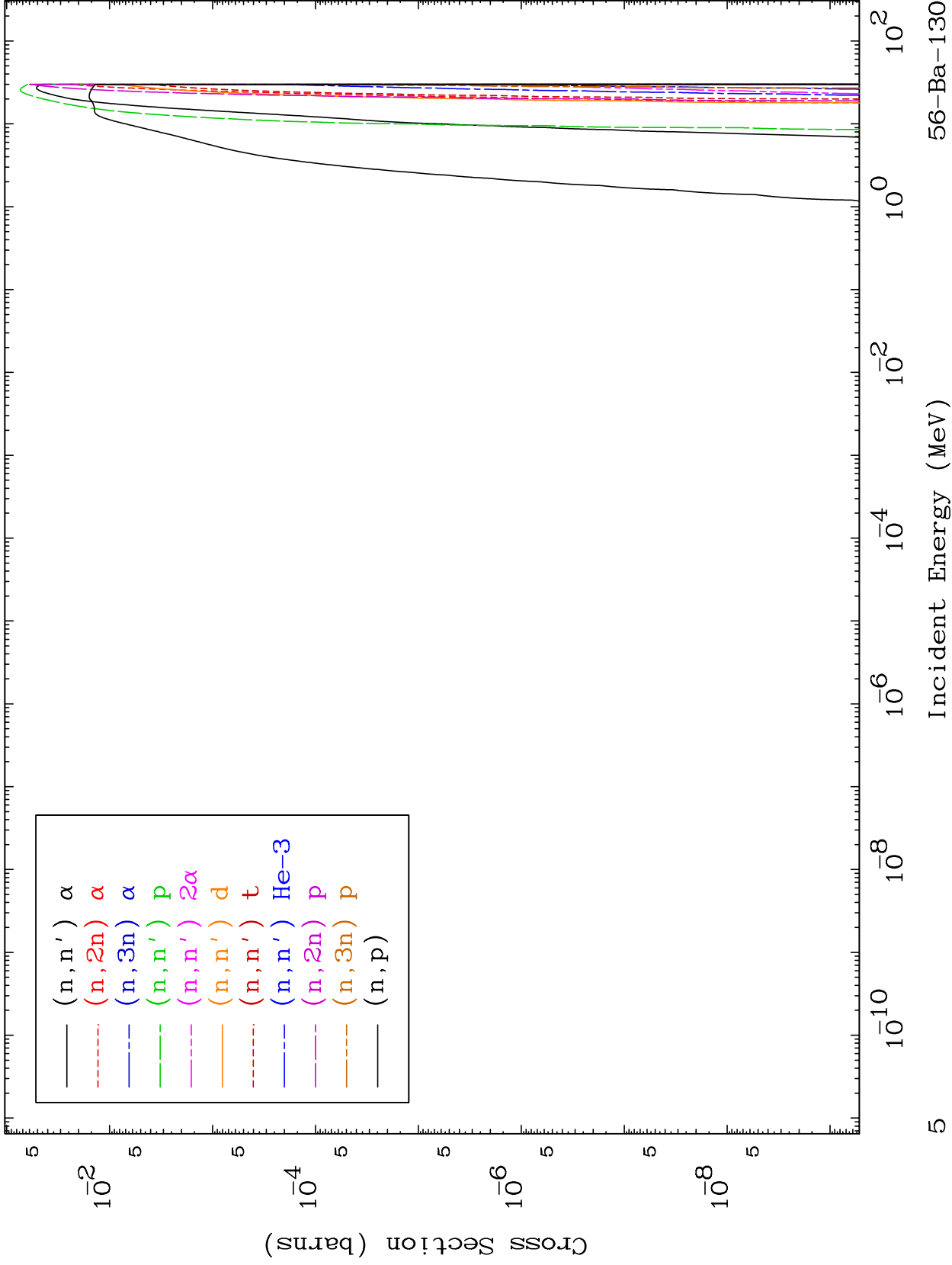
56-Ba-130



MAT 5625

Charged Particle
293 Kelvin Cross Sections

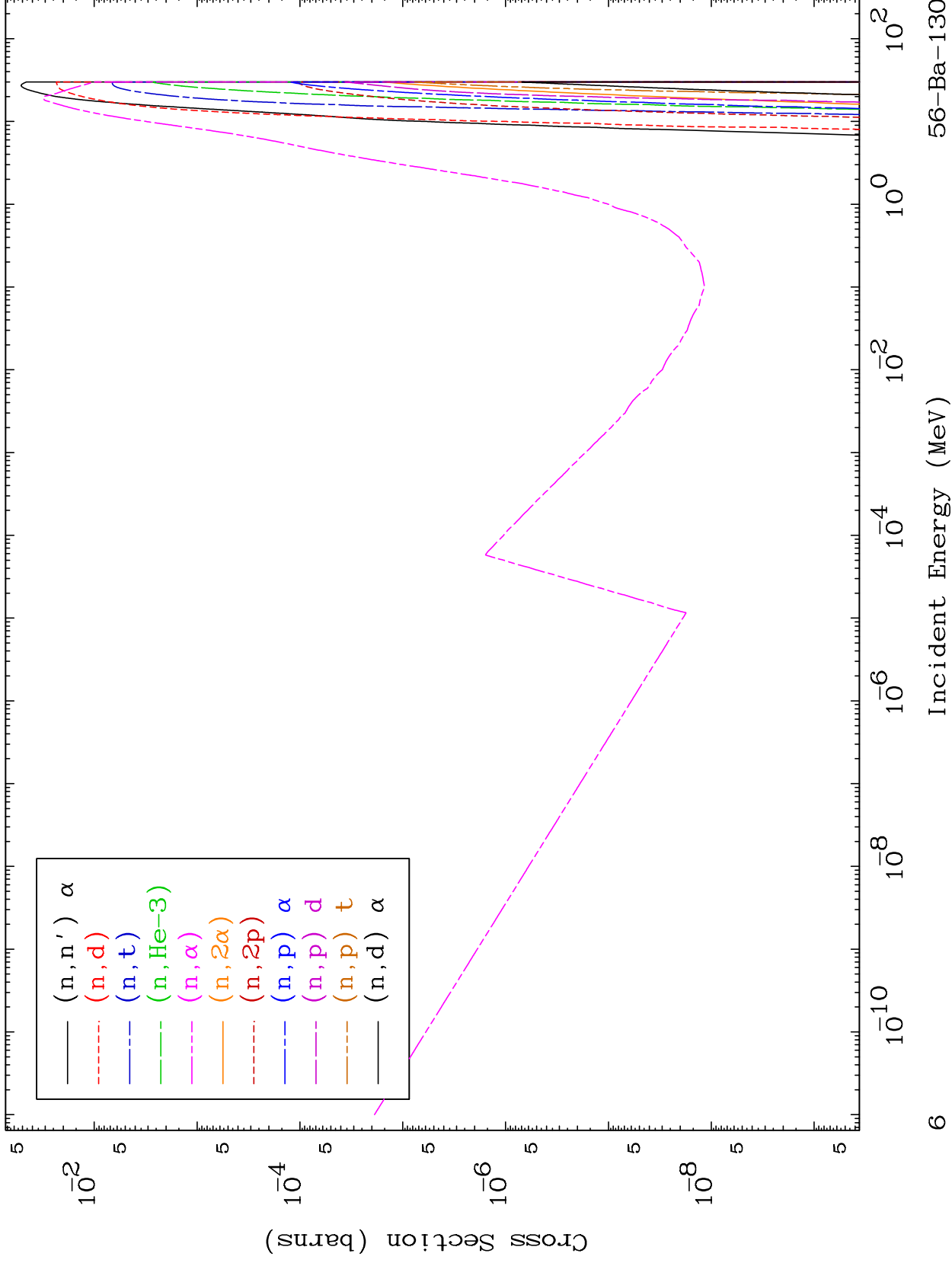
56-Ba-130



MAT 5625

Charged Particle
293 Kelvin Cross Sections

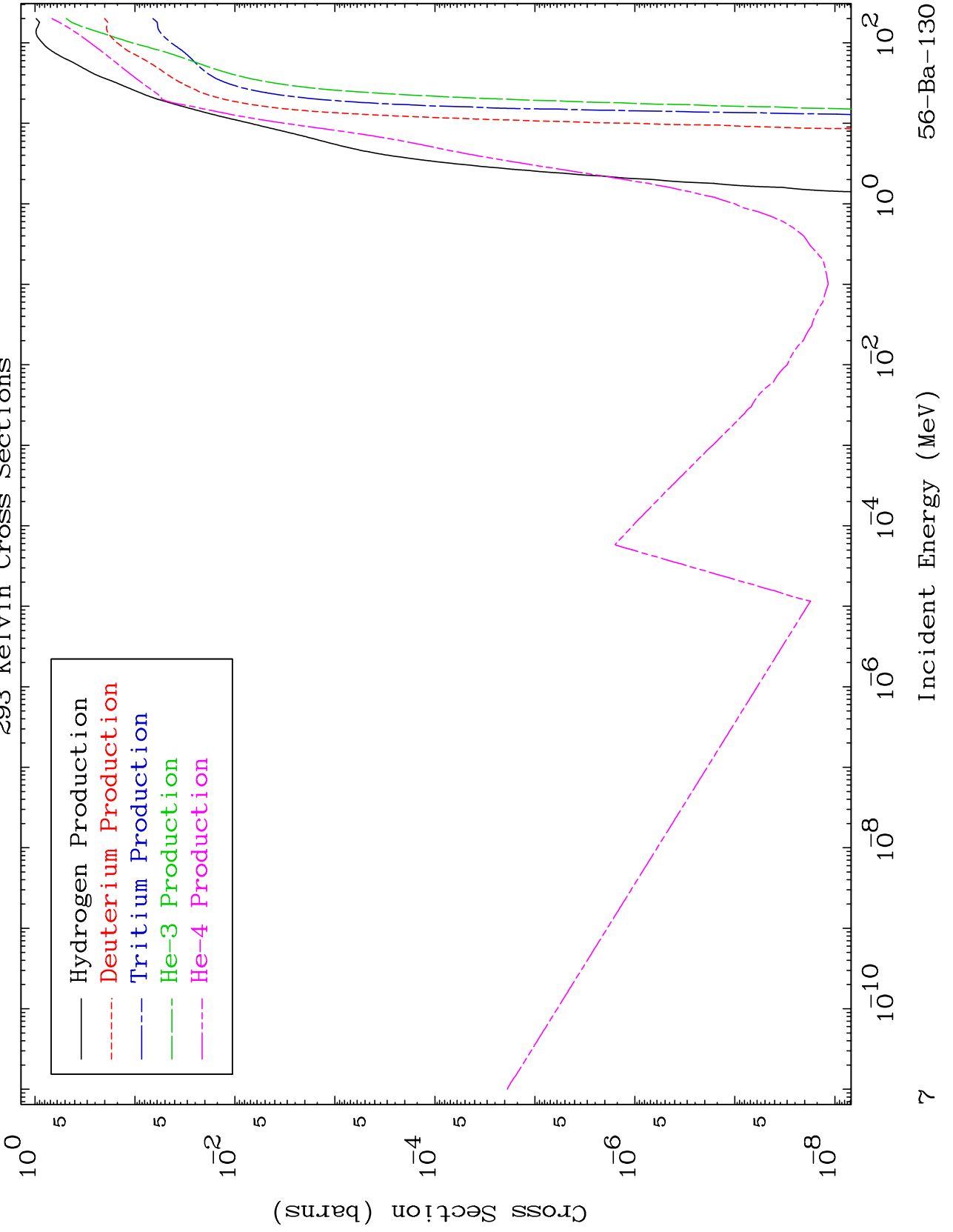
56-Ba-130



MAT 5625

Particle Production
293 Kelvin Cross Sections

56-Ba-130

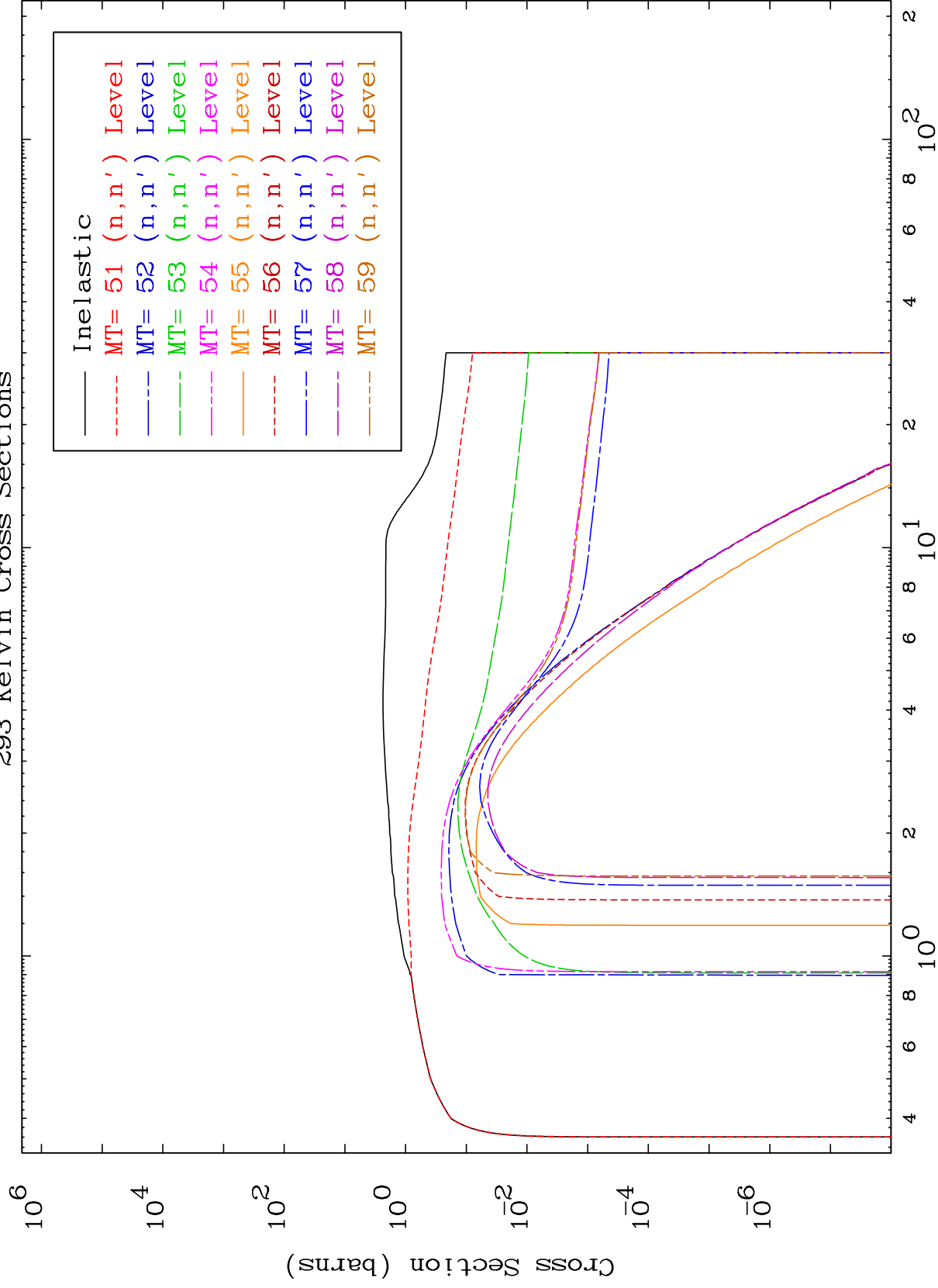


MAT 5625

(n,n') Levels

56-Ba-130

293 Kelvin Cross Sections



8

Incident Energy (MeV)

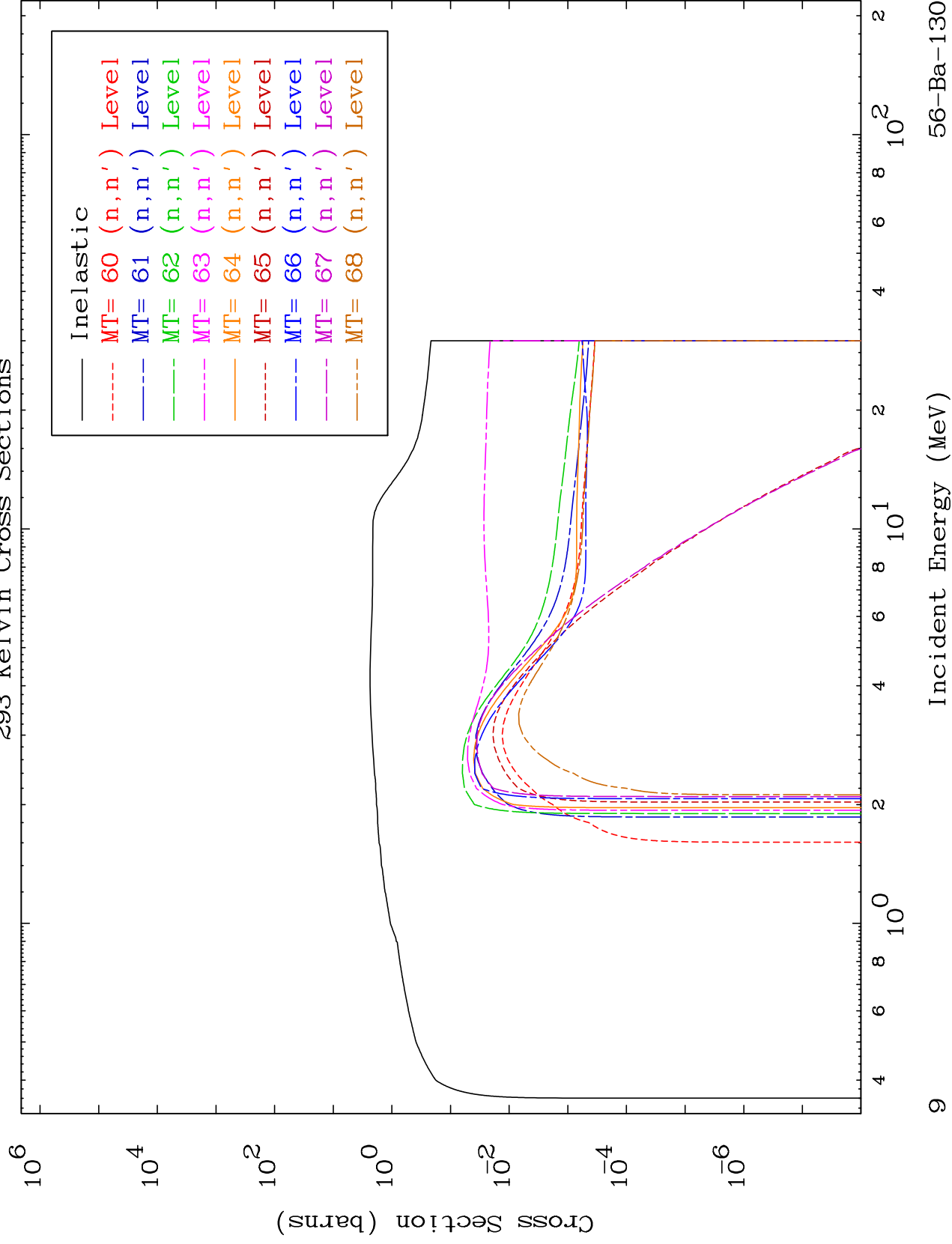
56-Ba-130

MAT 5625

(n,n') Levels

56-Ba-130

293 Kelvin Cross Sections

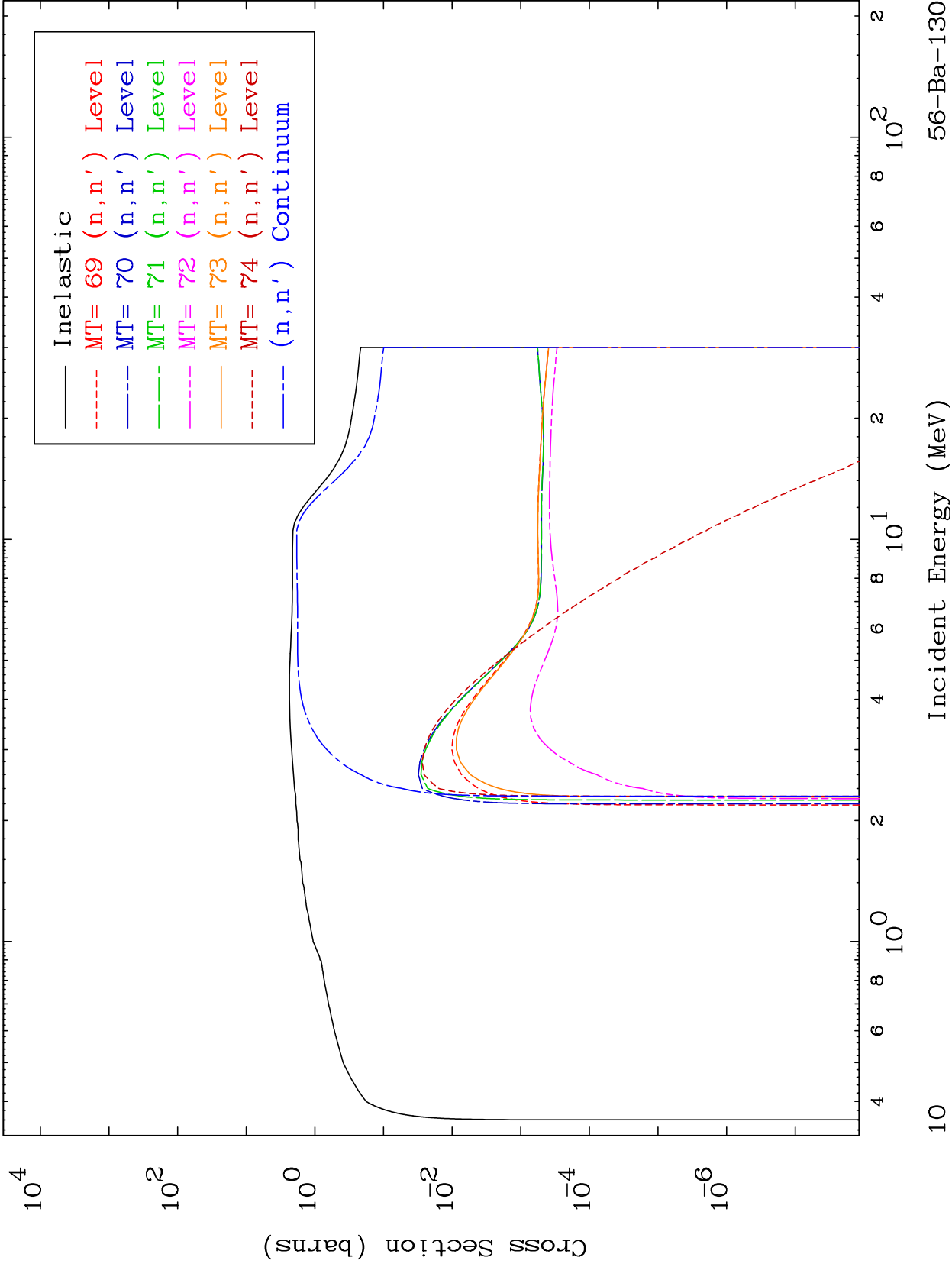


MAT 5625

(n,n') Levels

56-Ba-130

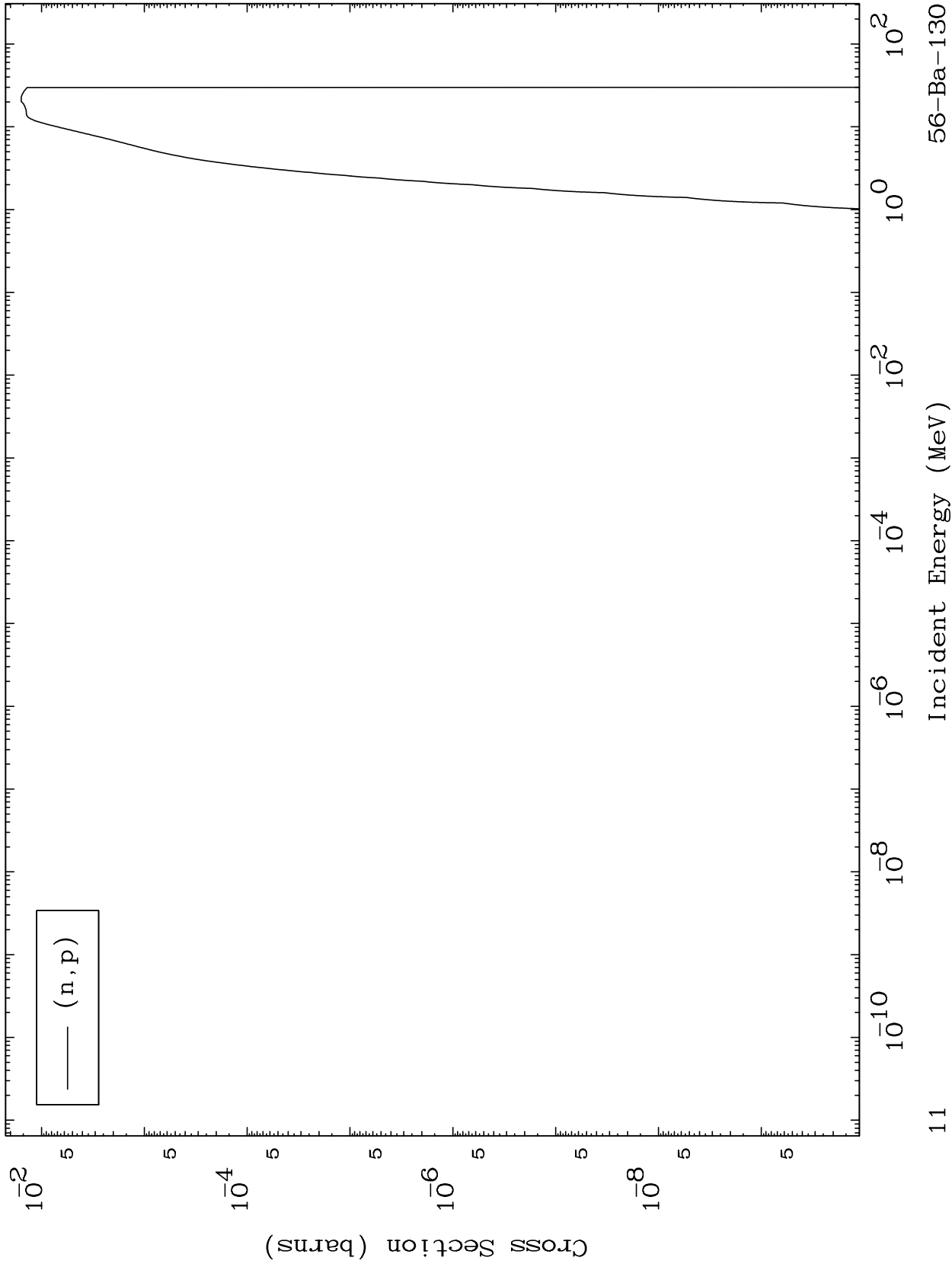
293 Kelvin Cross Sections



MAT 5625

(n,p) Levels
293 Kelvin Cross Sections

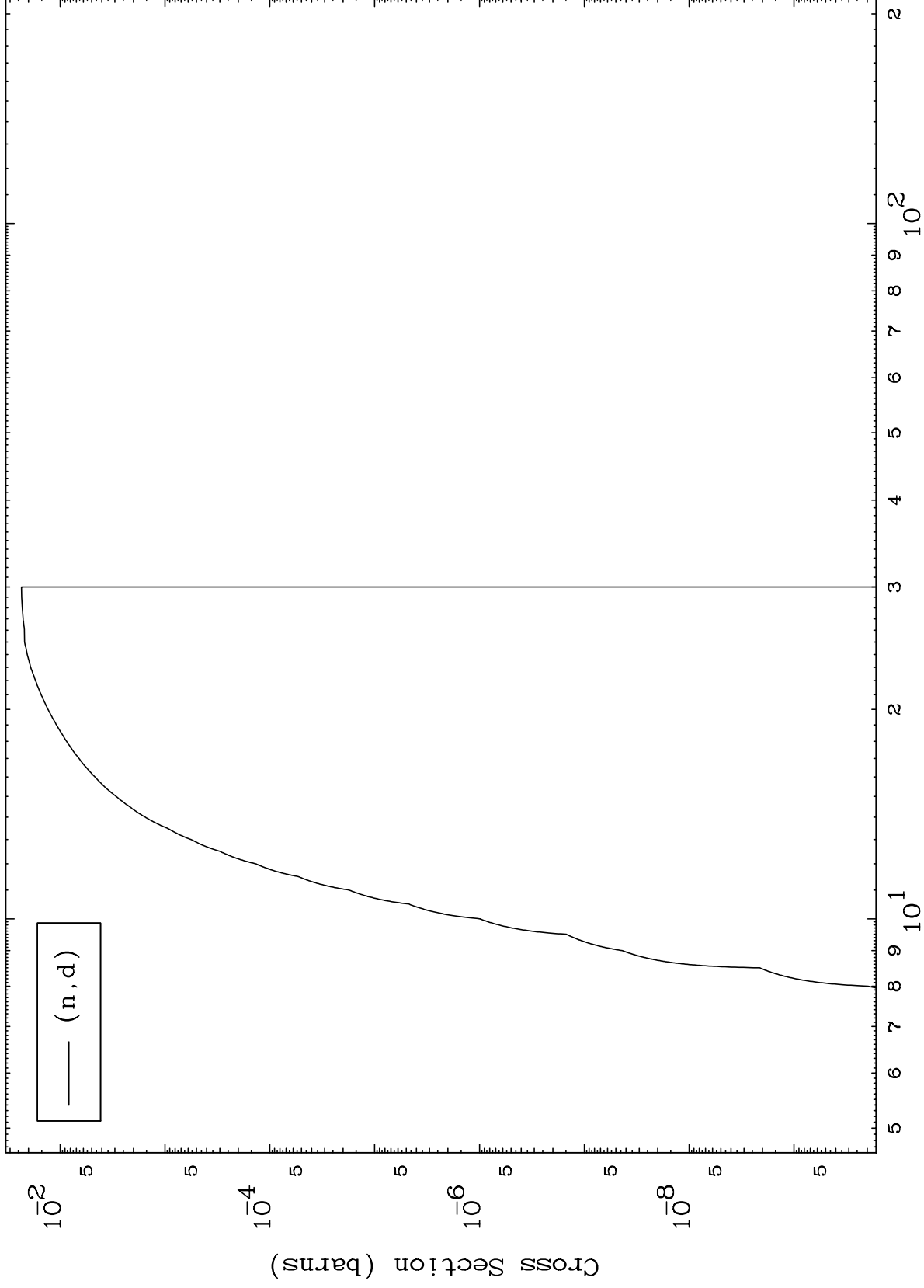
56-Ba-130



MAT 5625

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-130



12

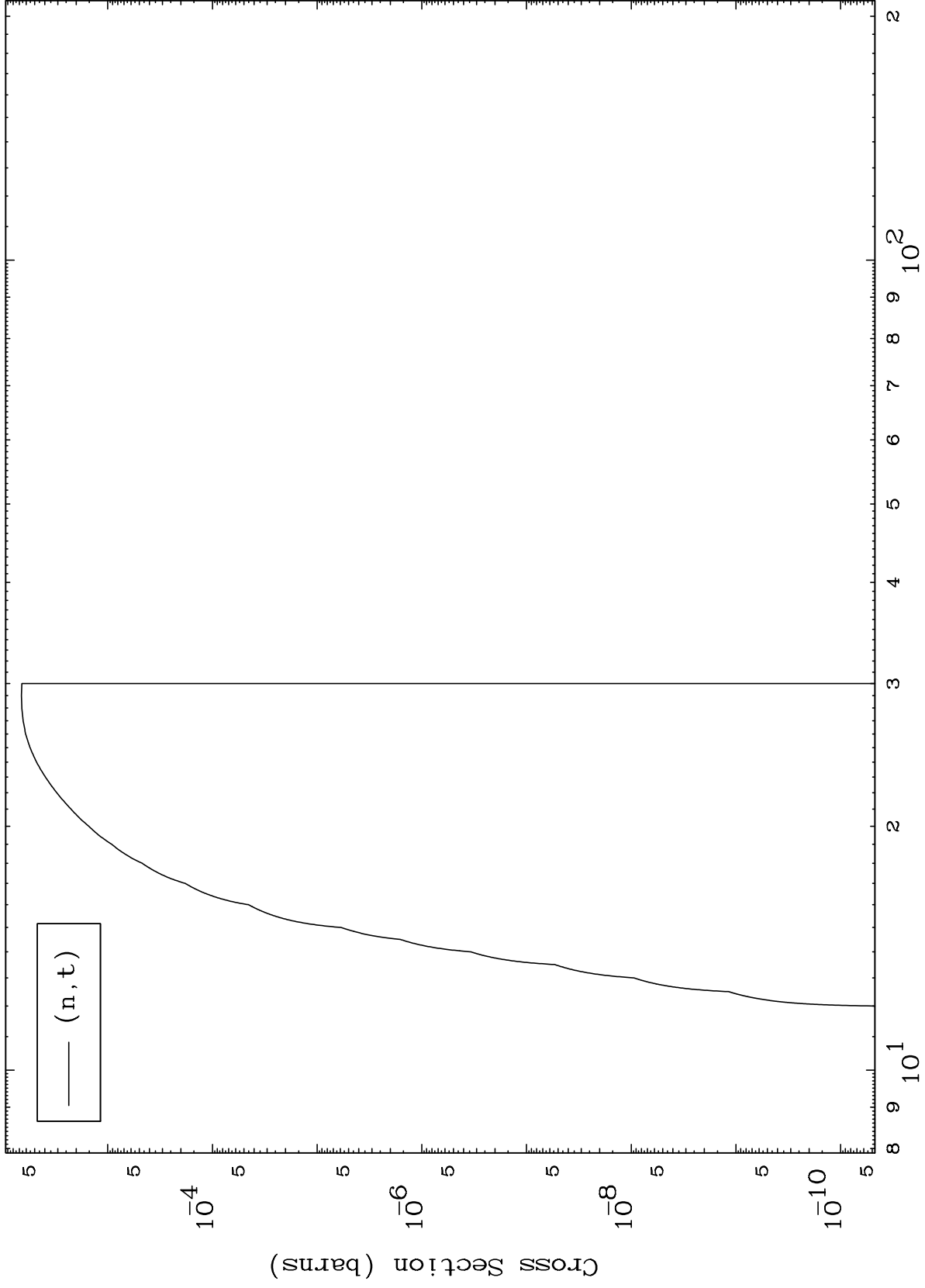
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-130



Incident Energy (MeV)

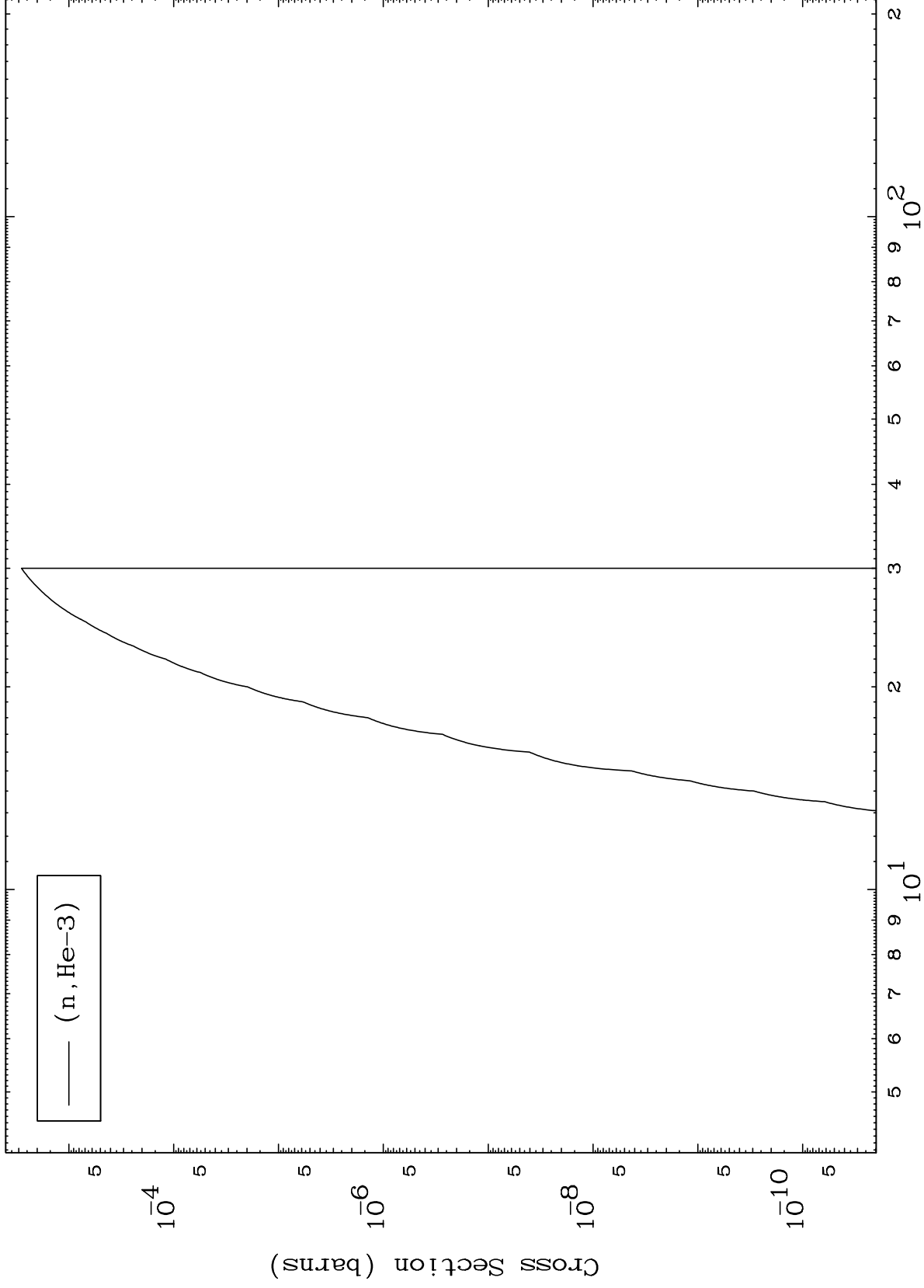
56-Ba-130

13

MAT 5625

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-130



14

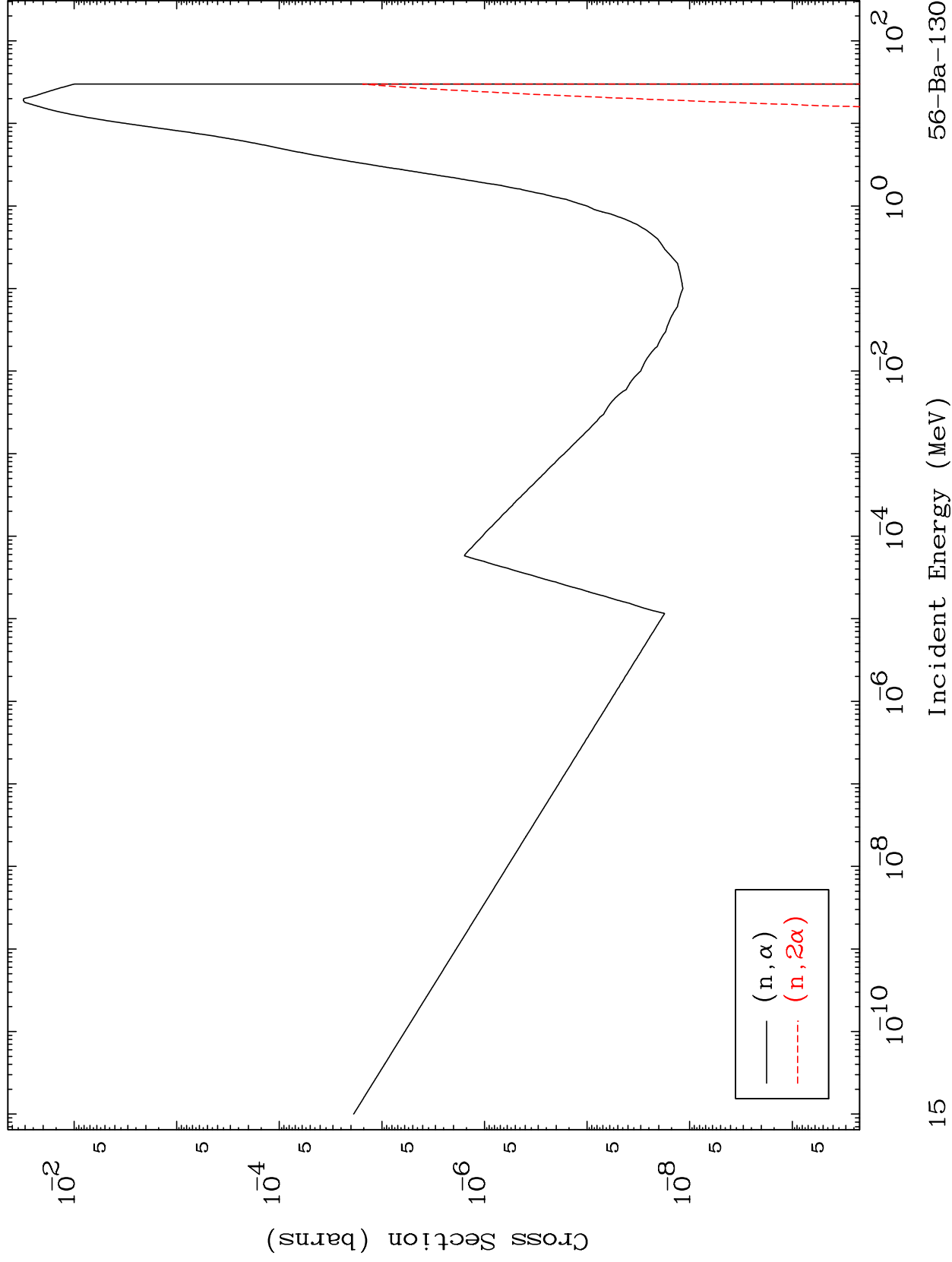
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-130

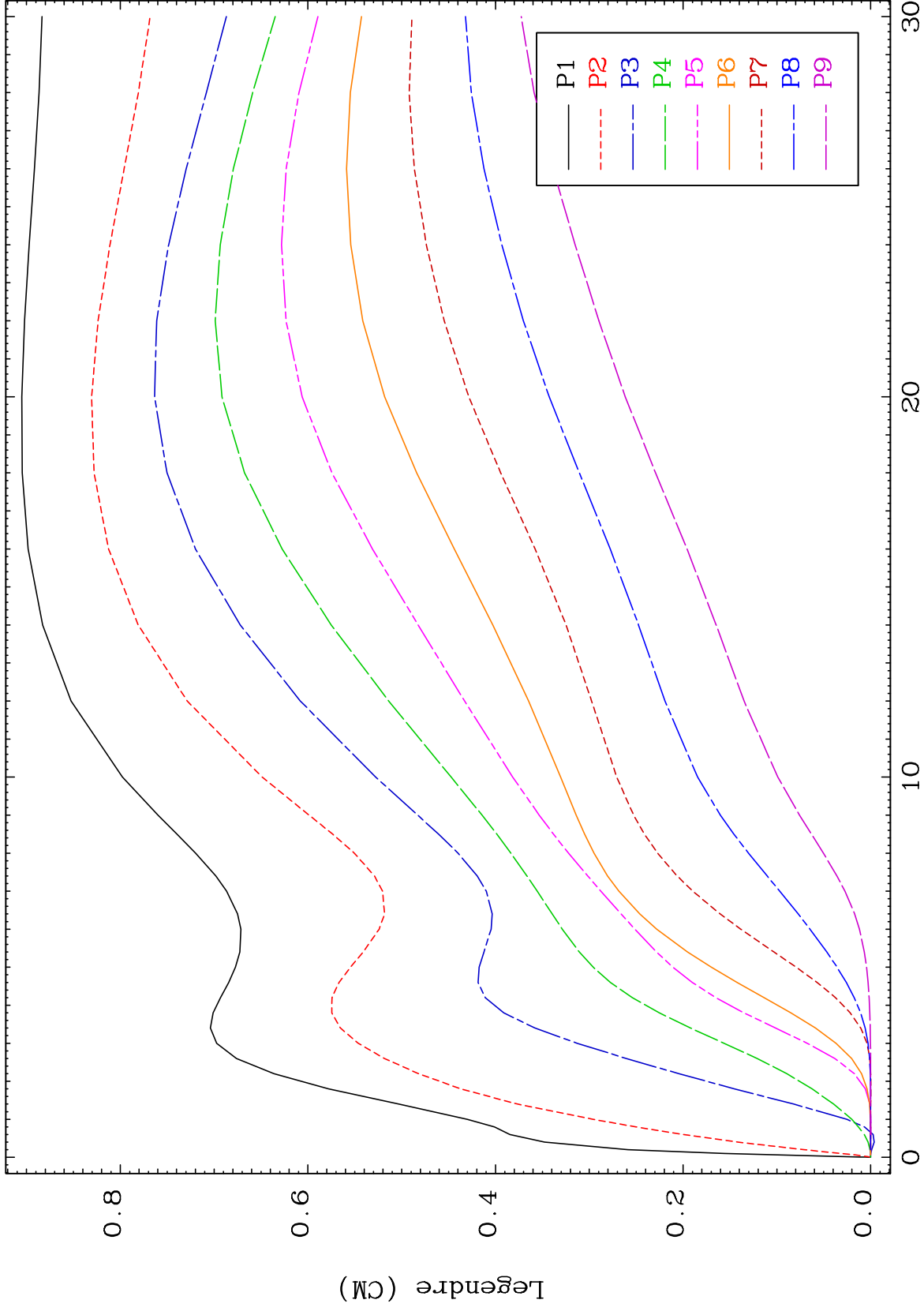


15

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



16

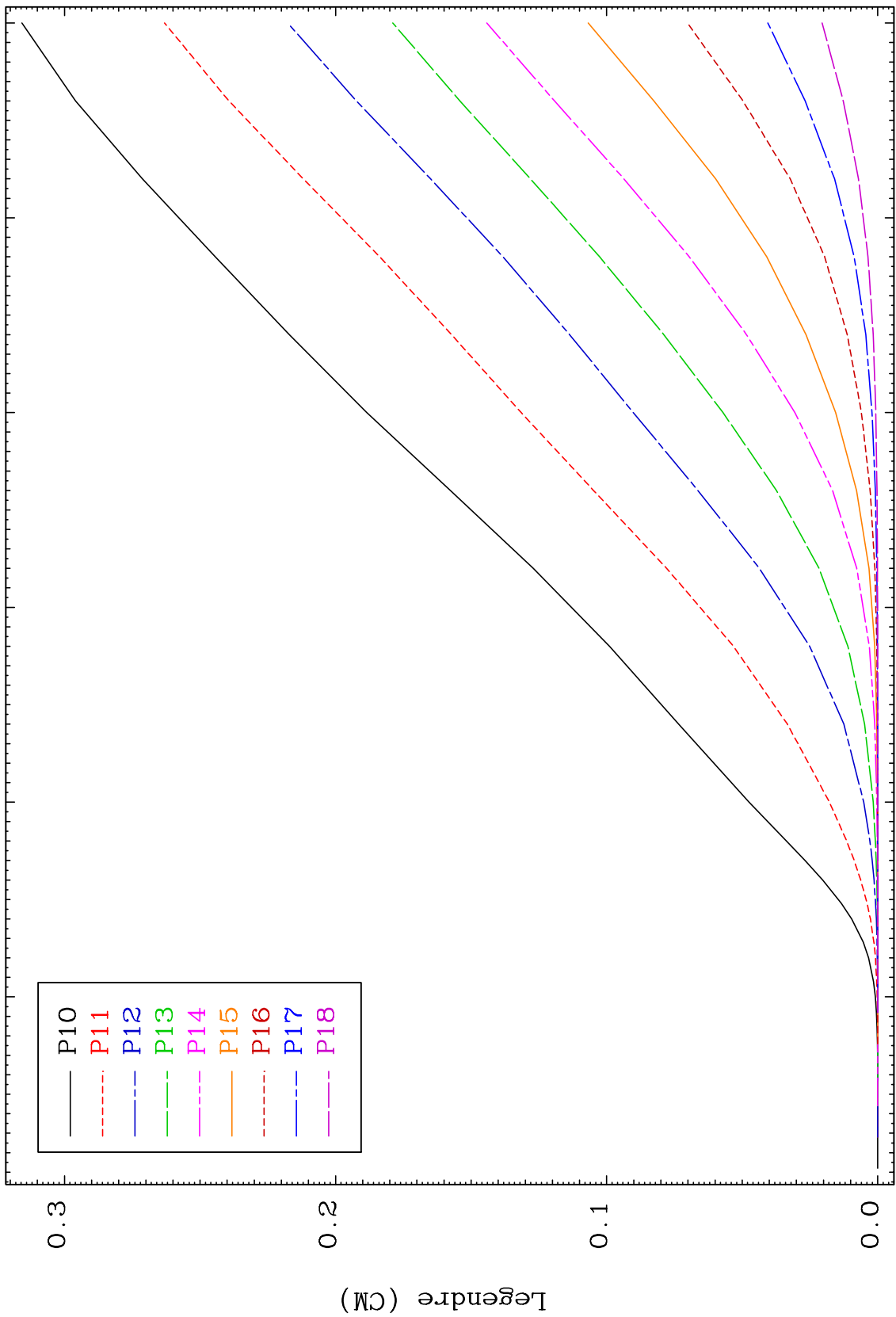
Incident Energy (MeV)

56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



17

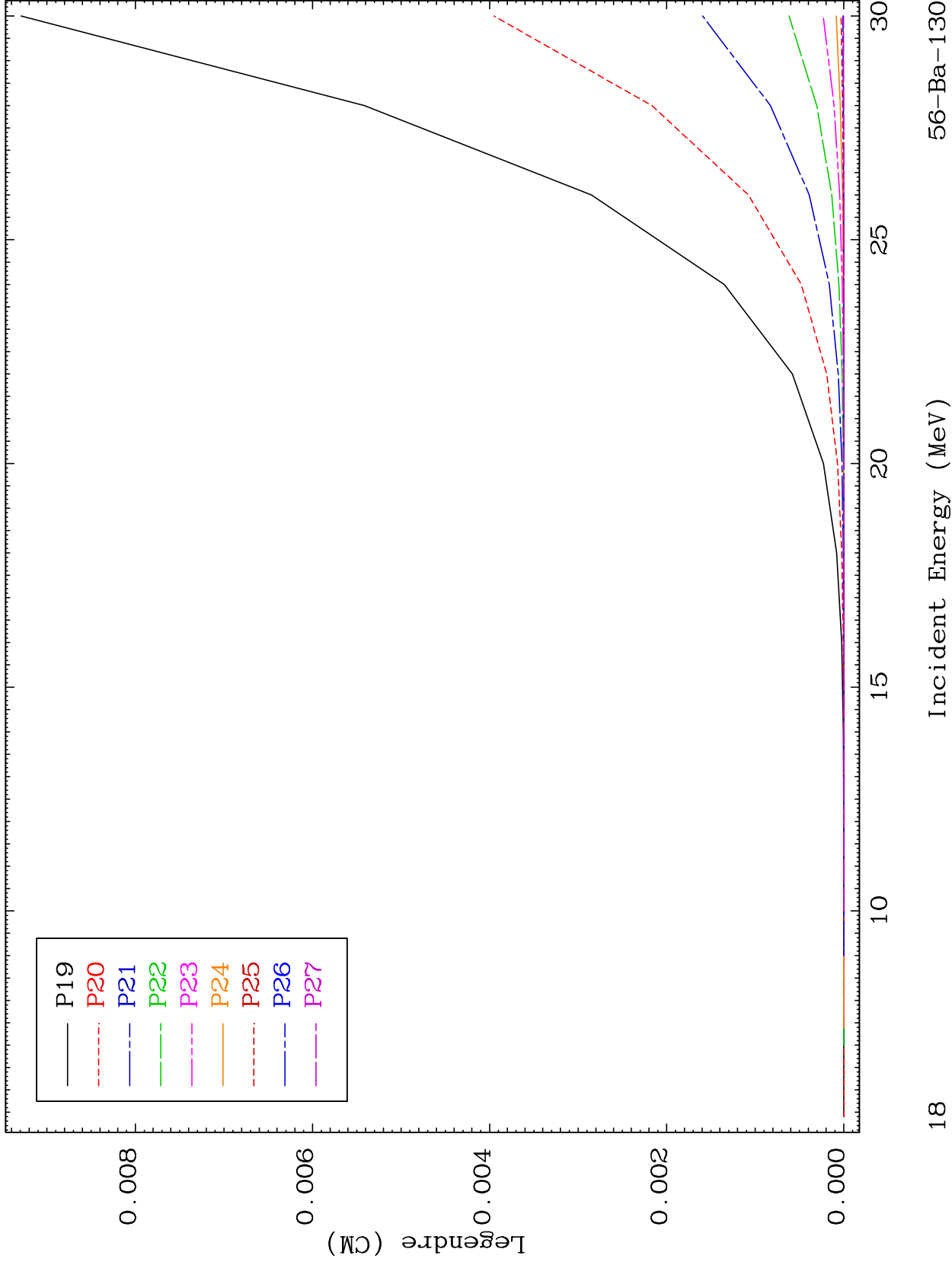
Incident Energy (MeV)

56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130



18

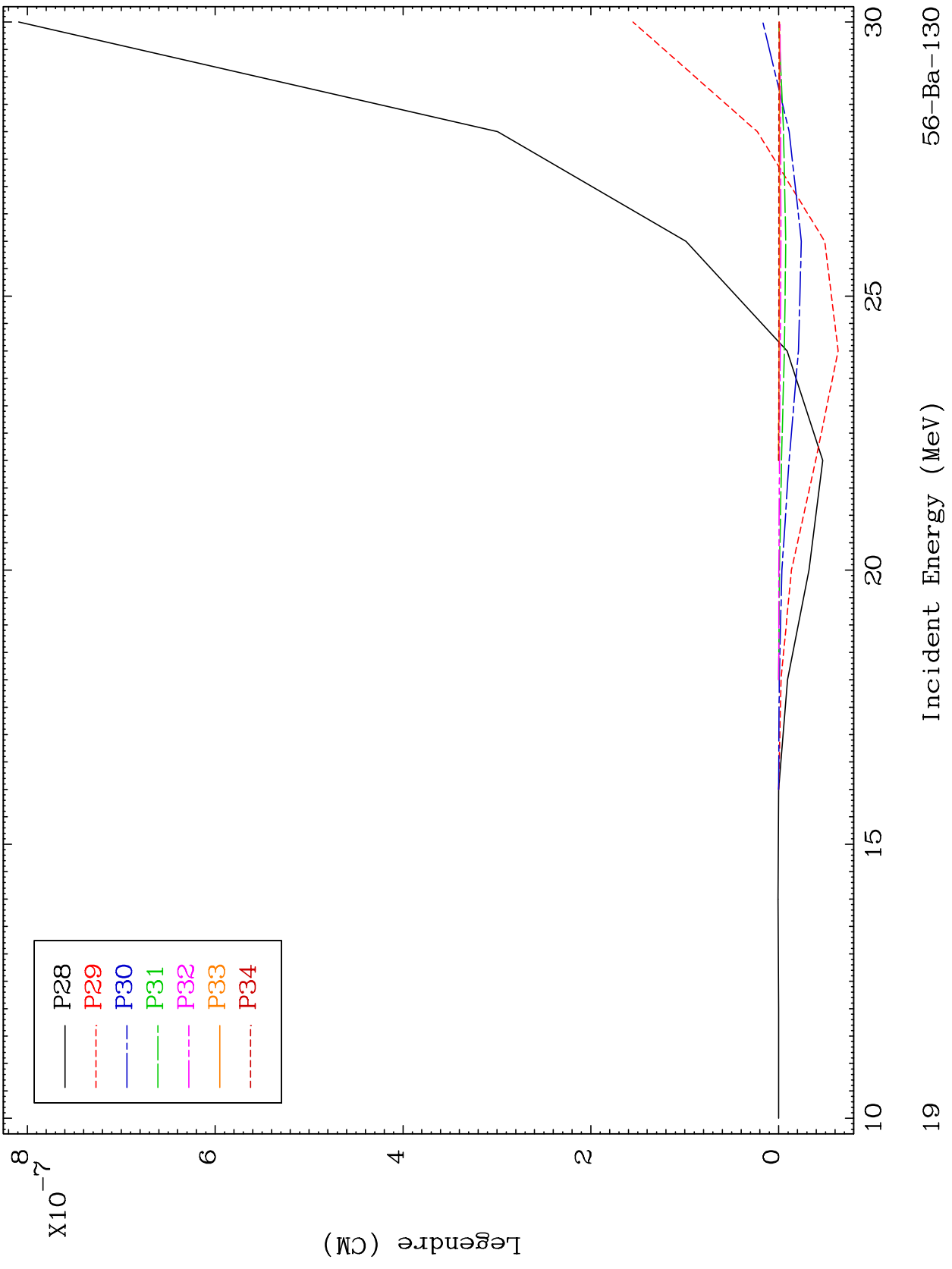
Incident Energy (MeV)

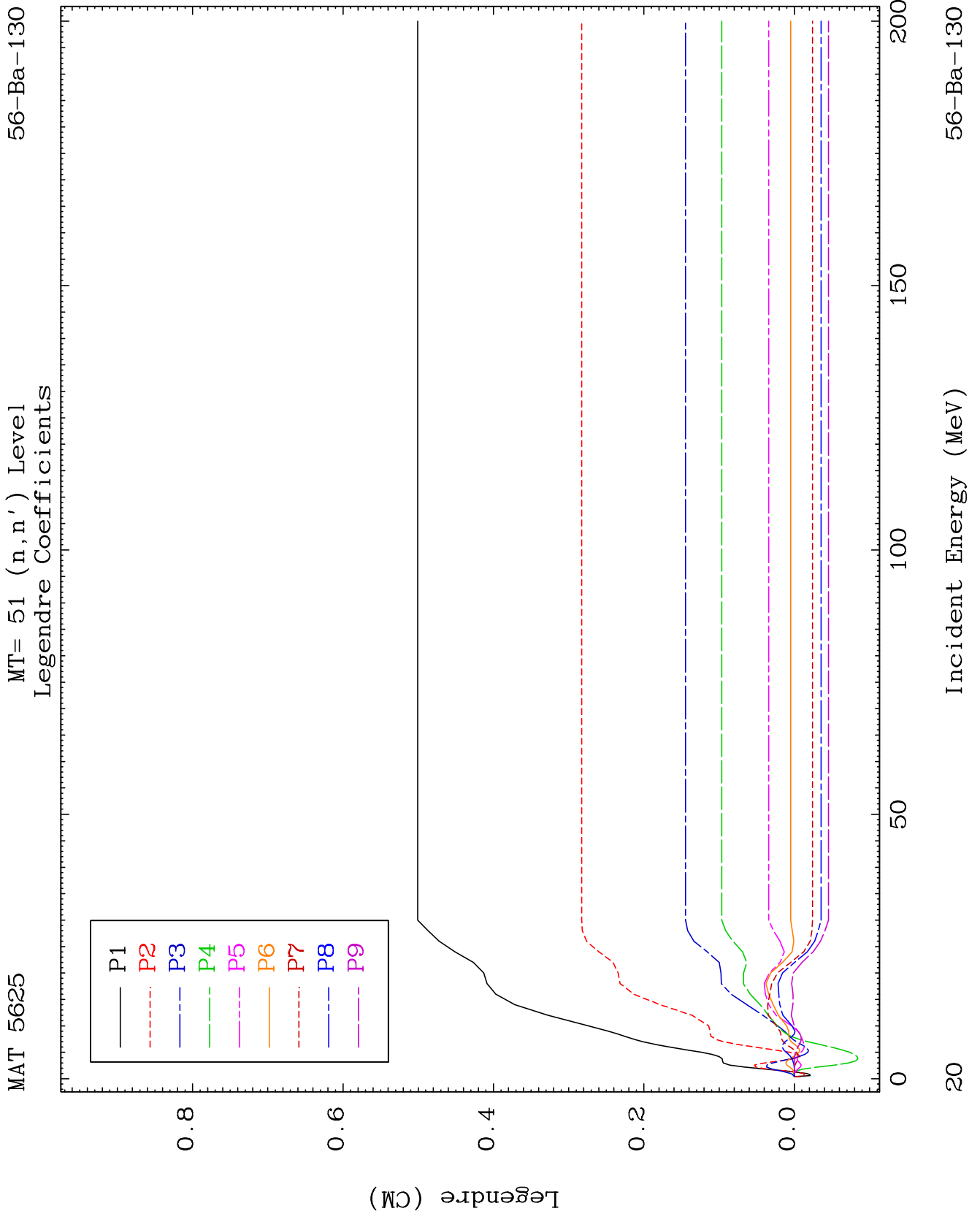
56-Ba-130

MAT 5625

Elastic Legendre Coefficients

56-Ba-130

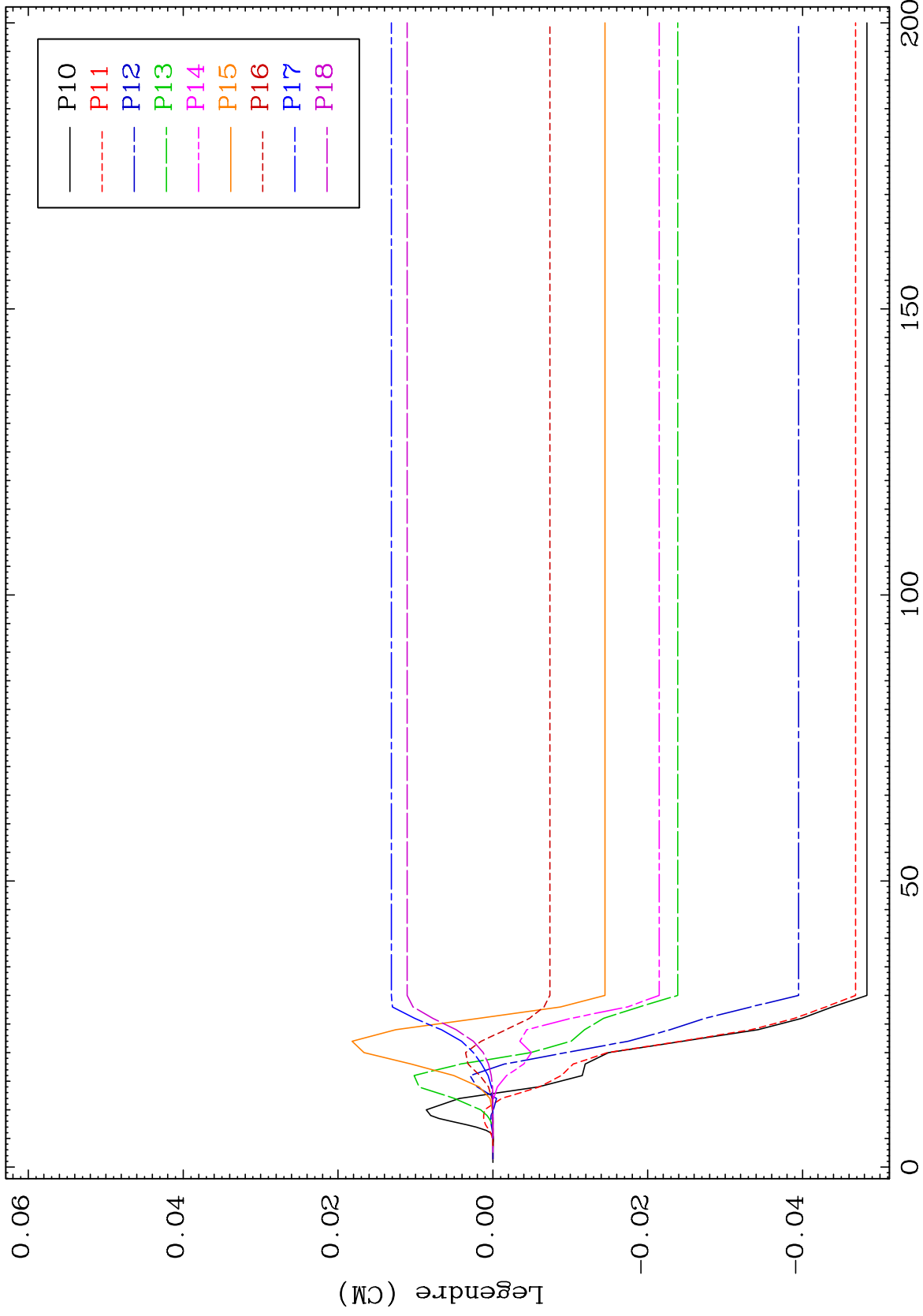


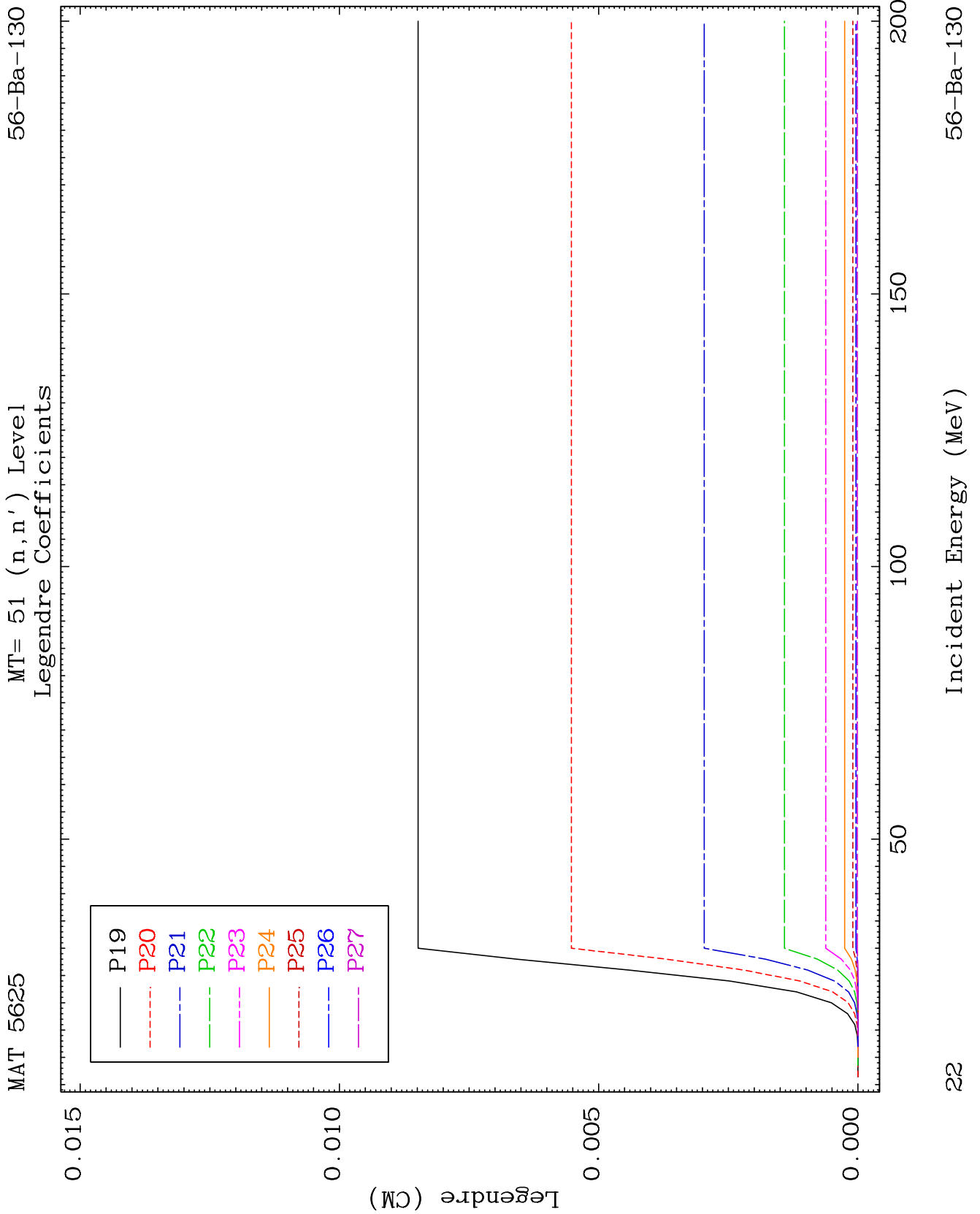


MAT 5625

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

56-Ba-130

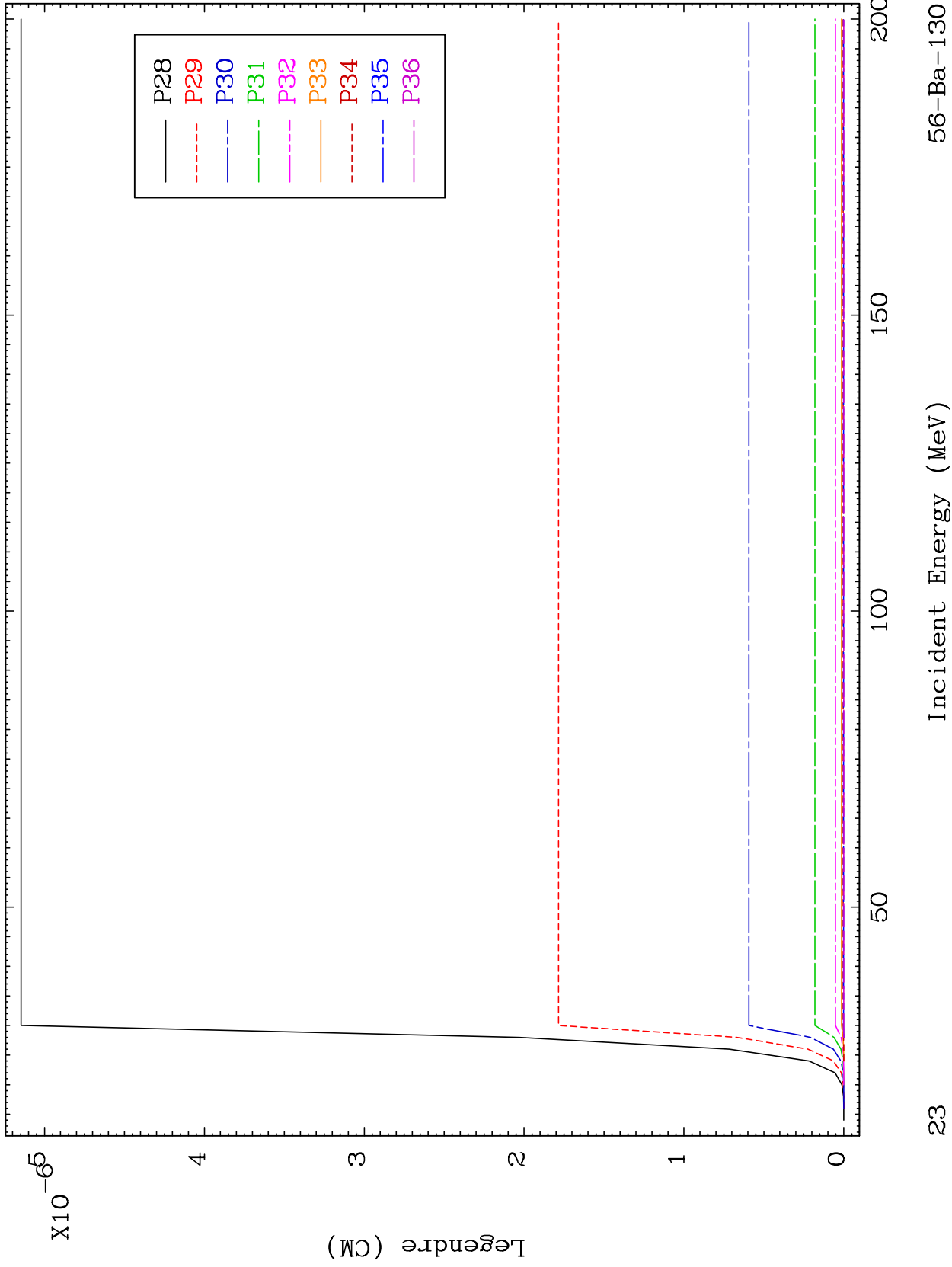




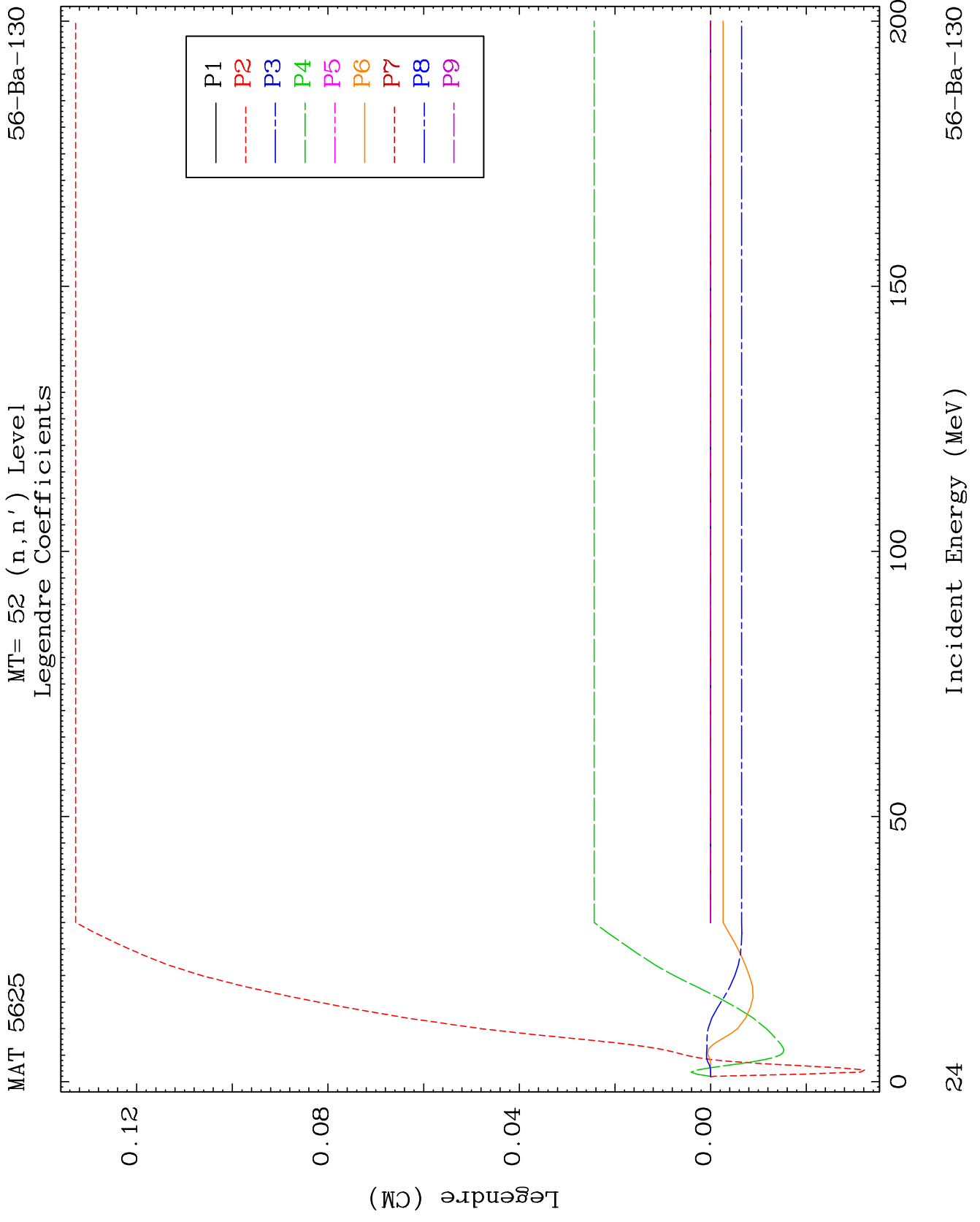
MAT 5625

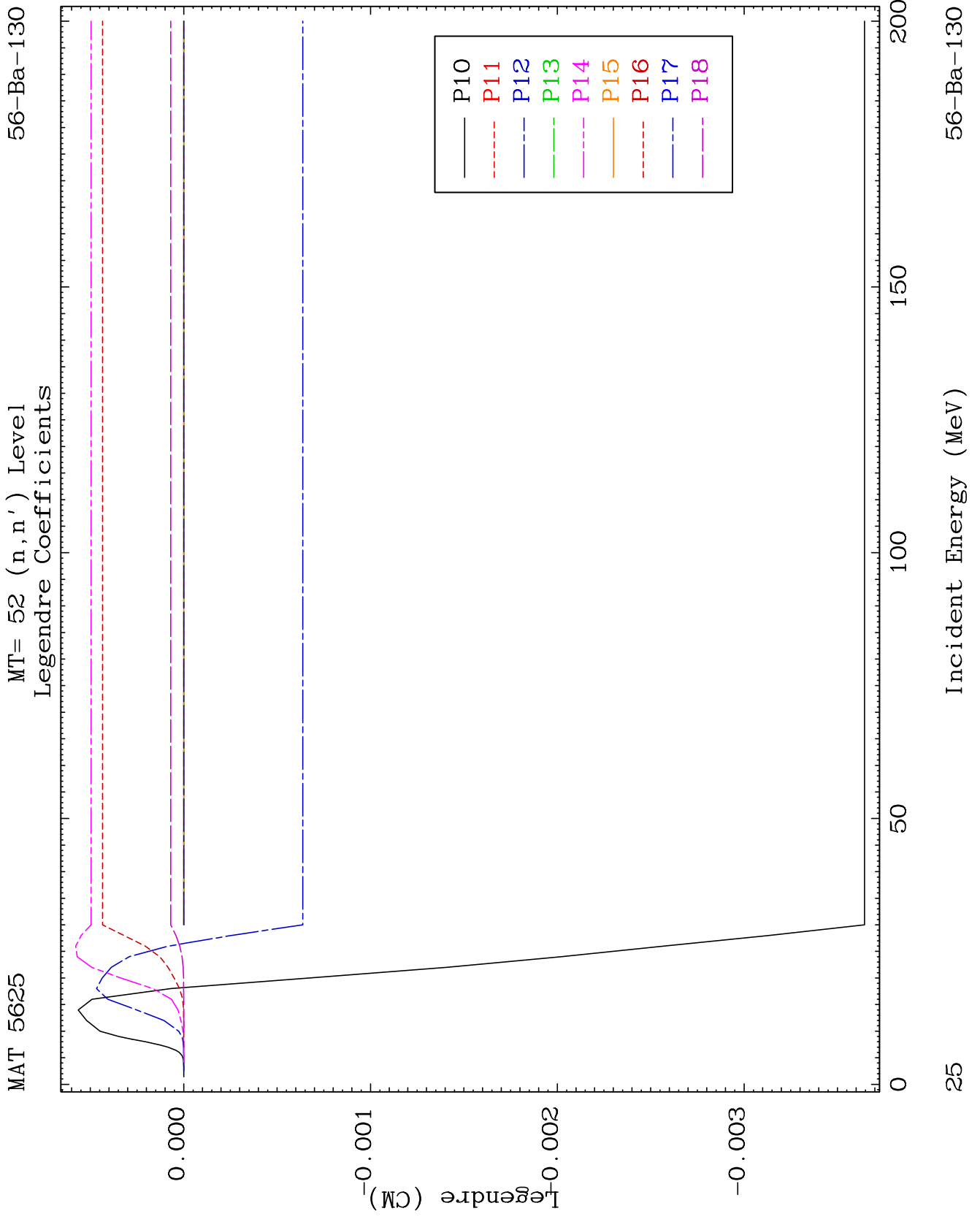
MT= 51 (n,n') Level
Legendre Coefficients

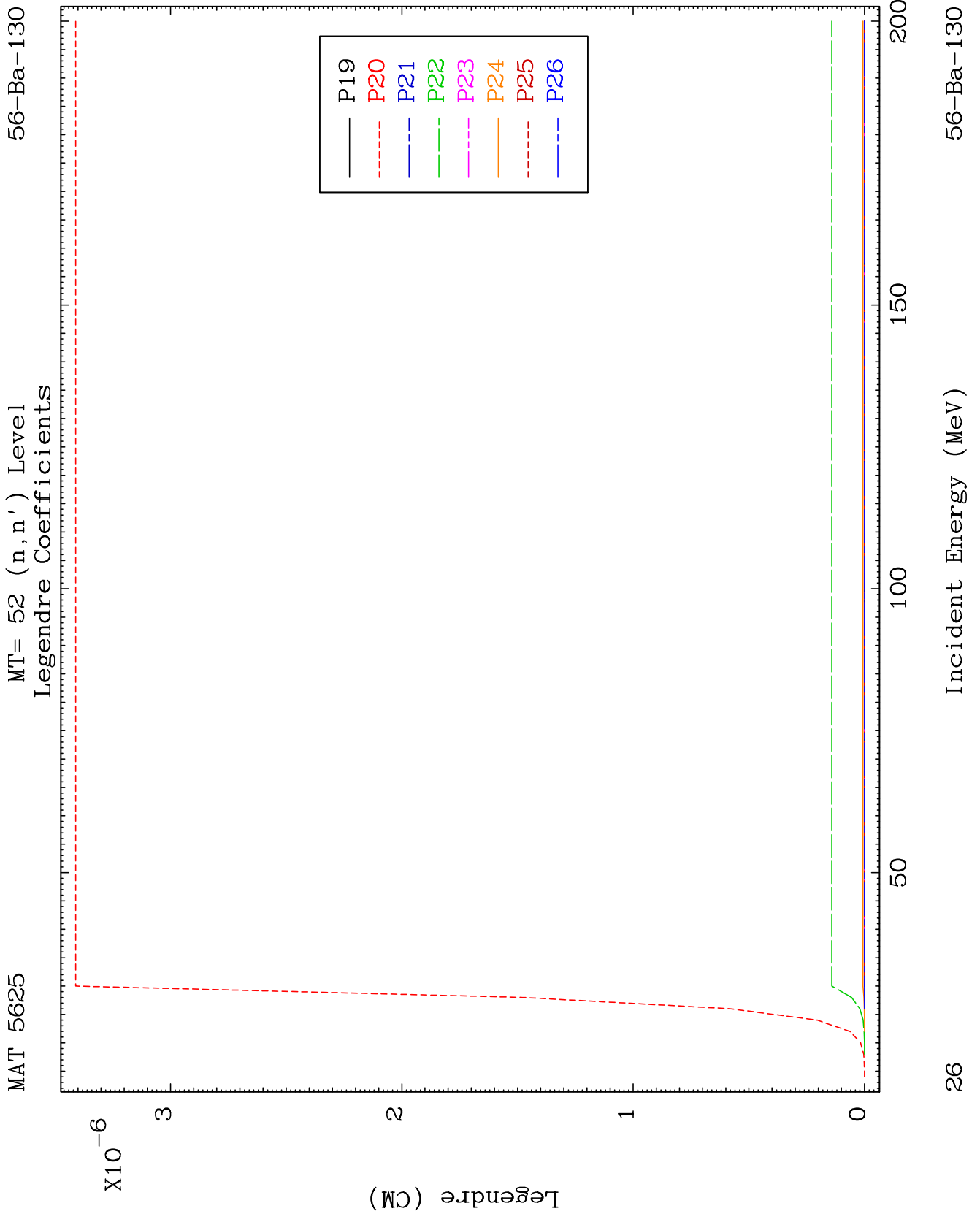
56-Ba-130



23



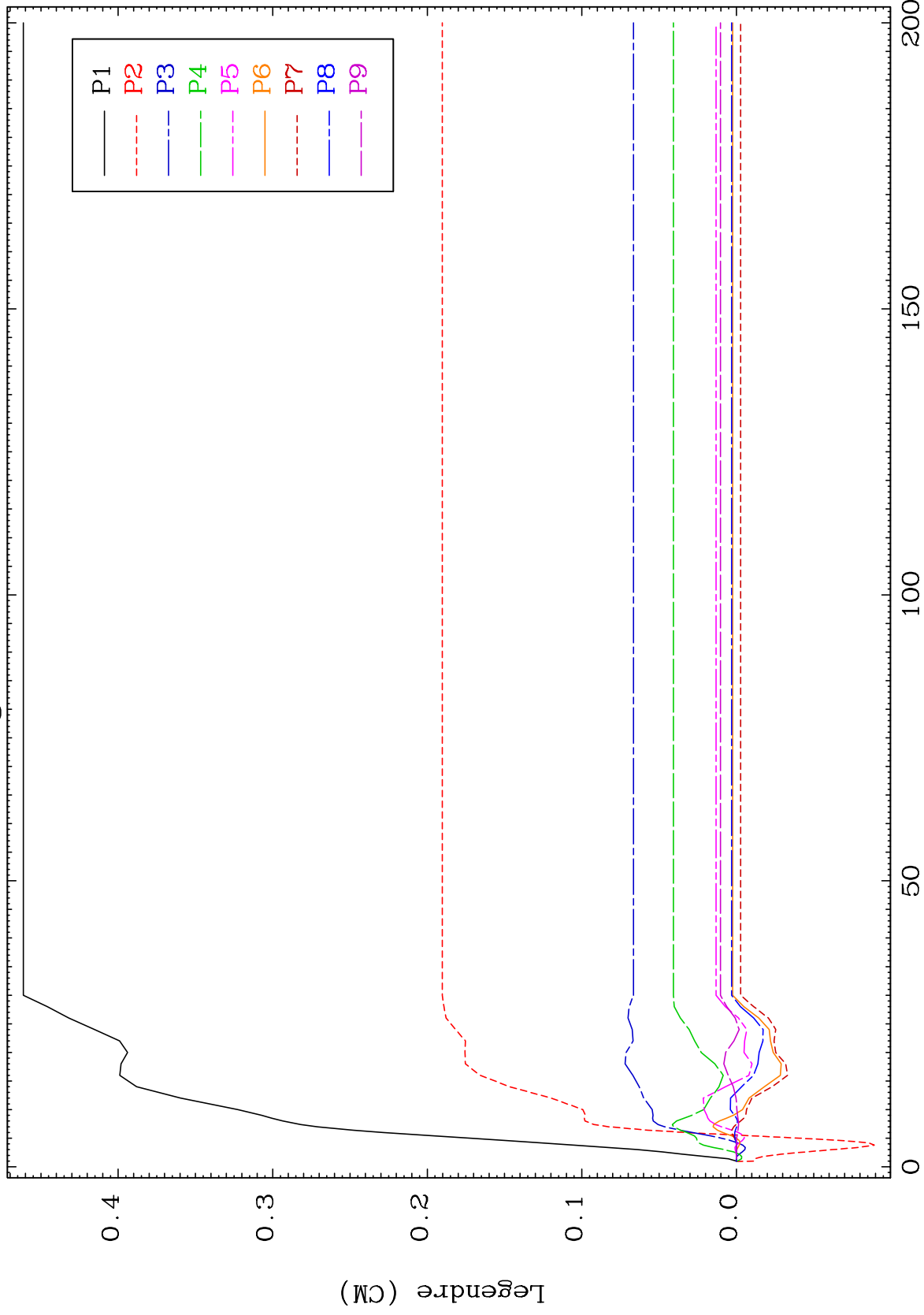




MAT 5625

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

56-Ba-130



27

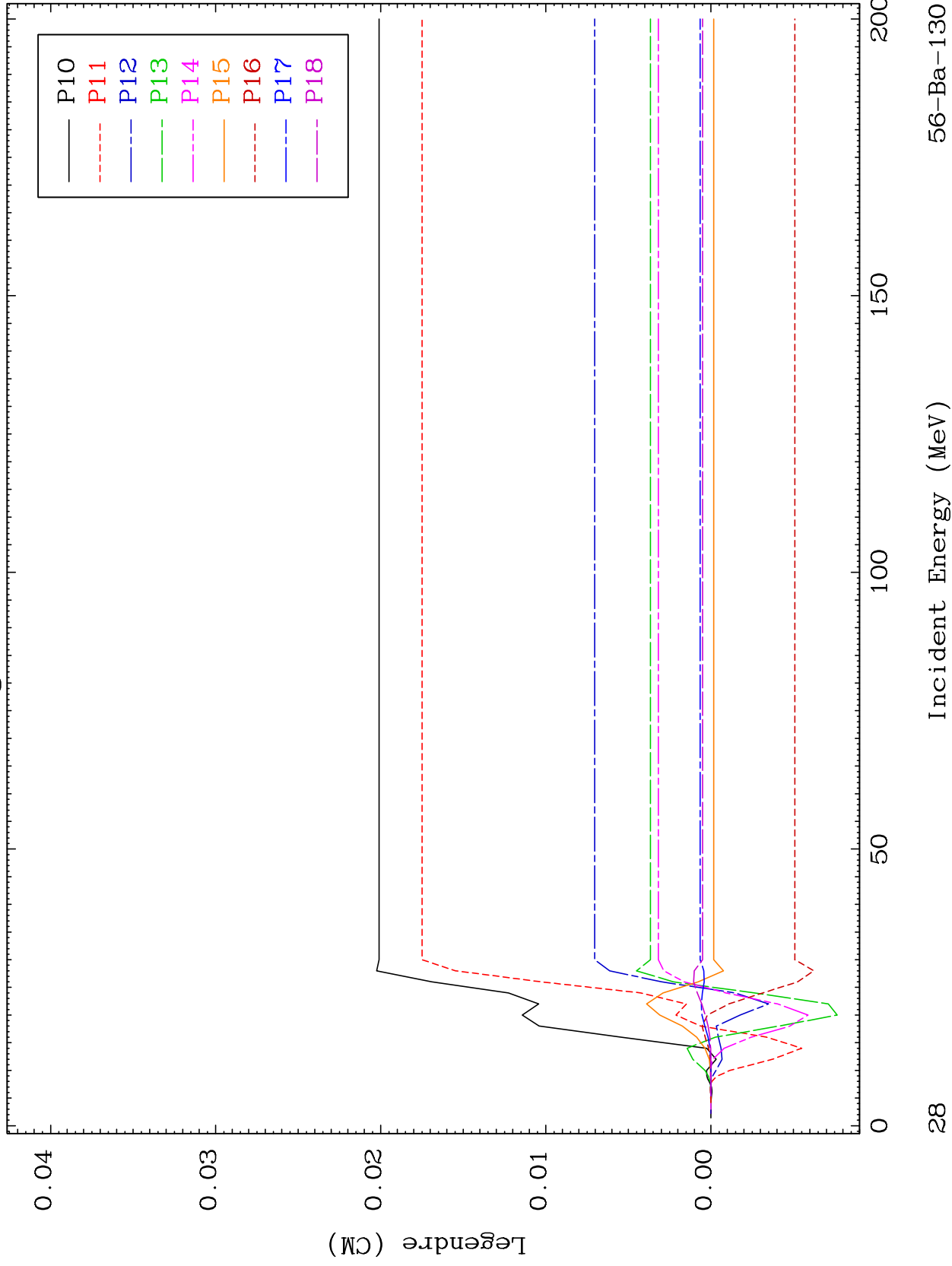
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



56-Ba-130

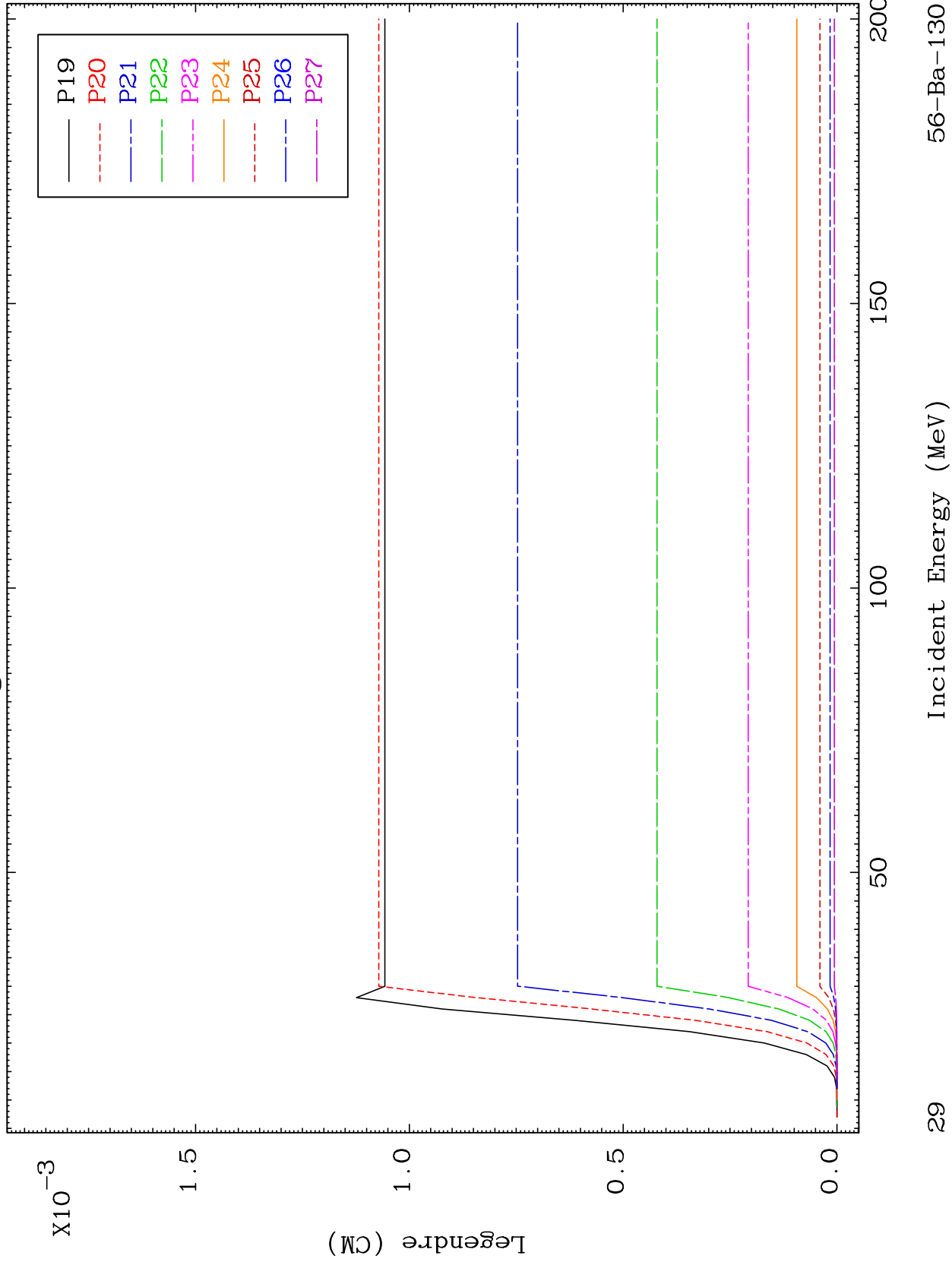
Incident Energy (MeV)

28

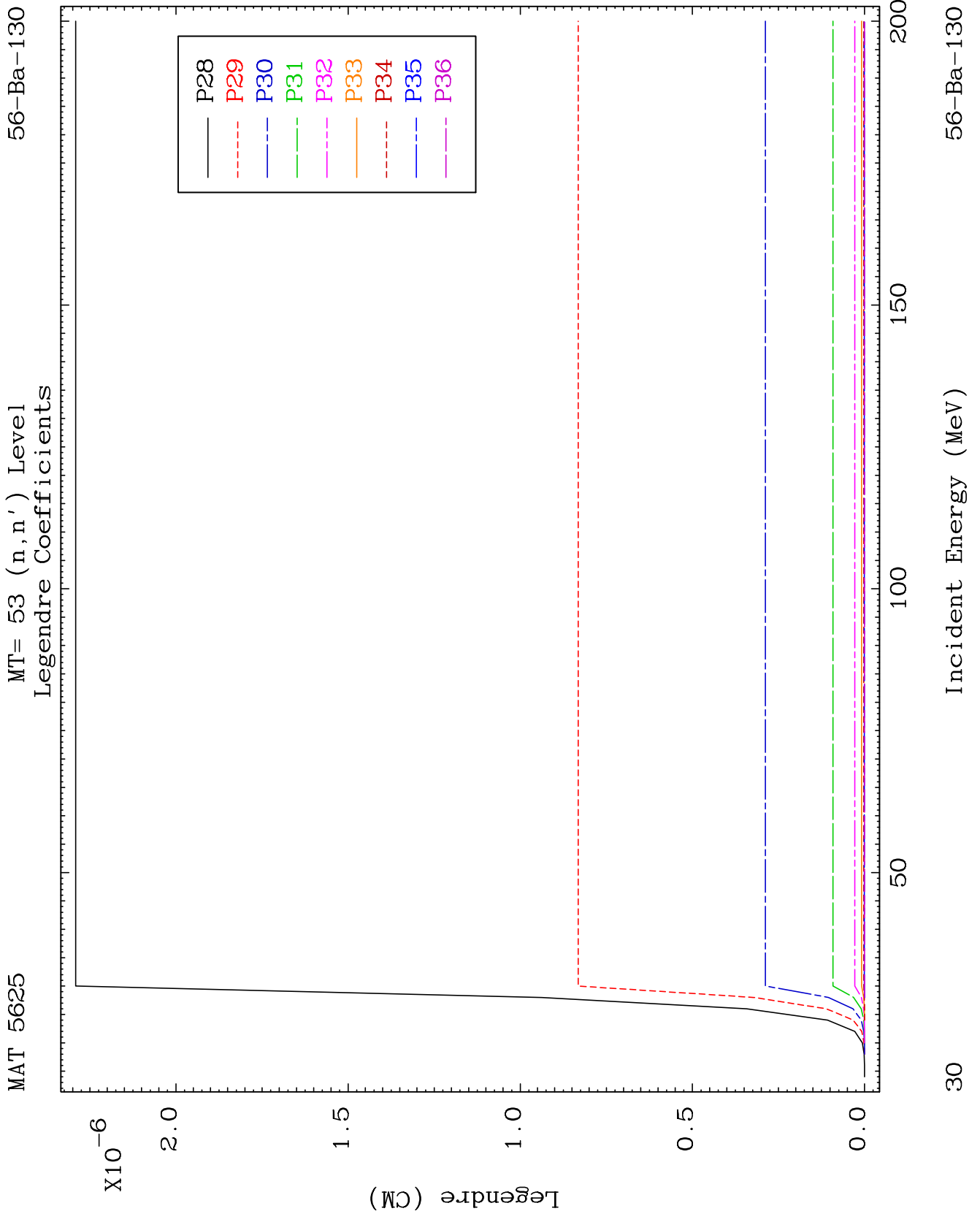
MAT 5625

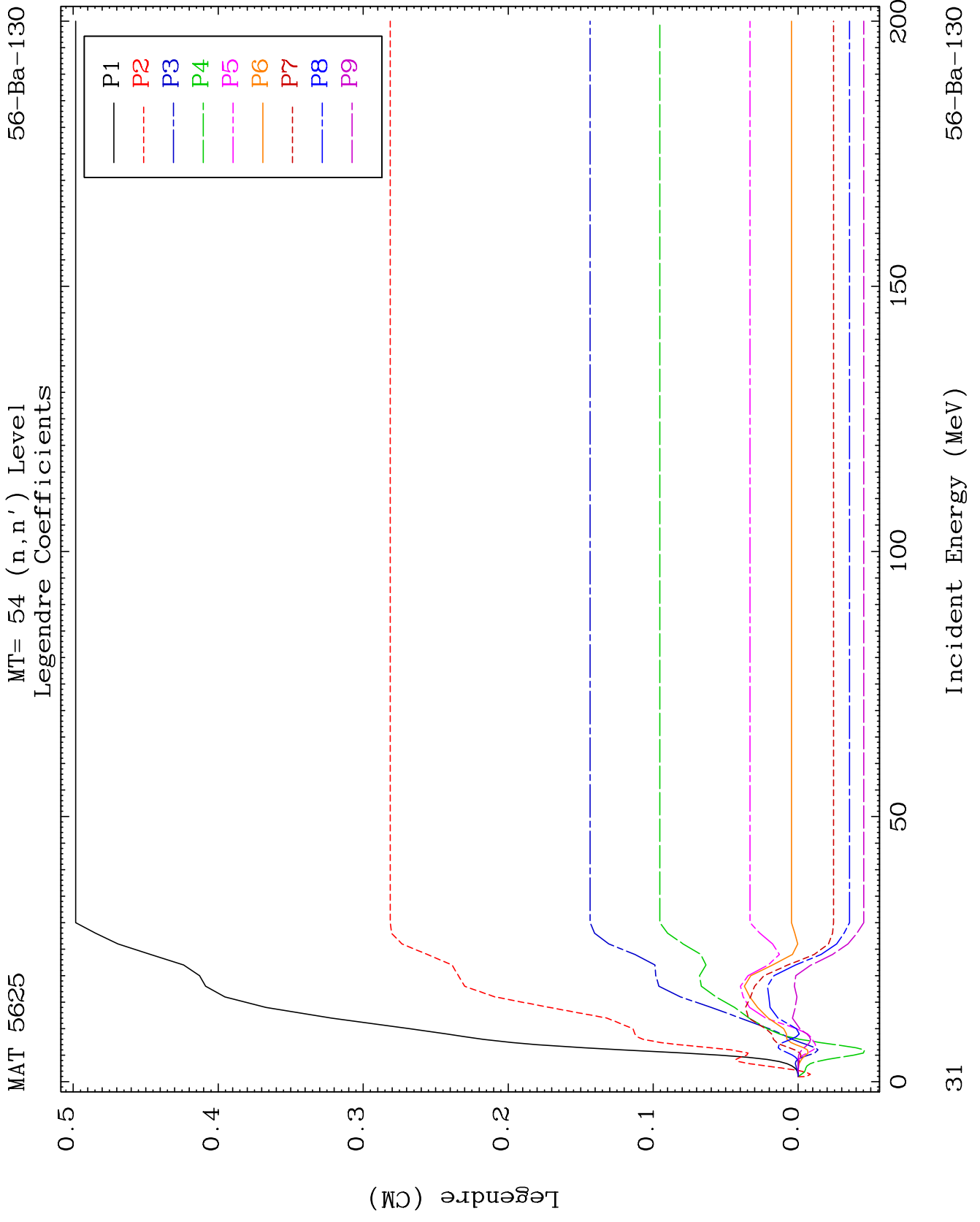
MT= 53 (n,n') Level
Legendre Coefficients

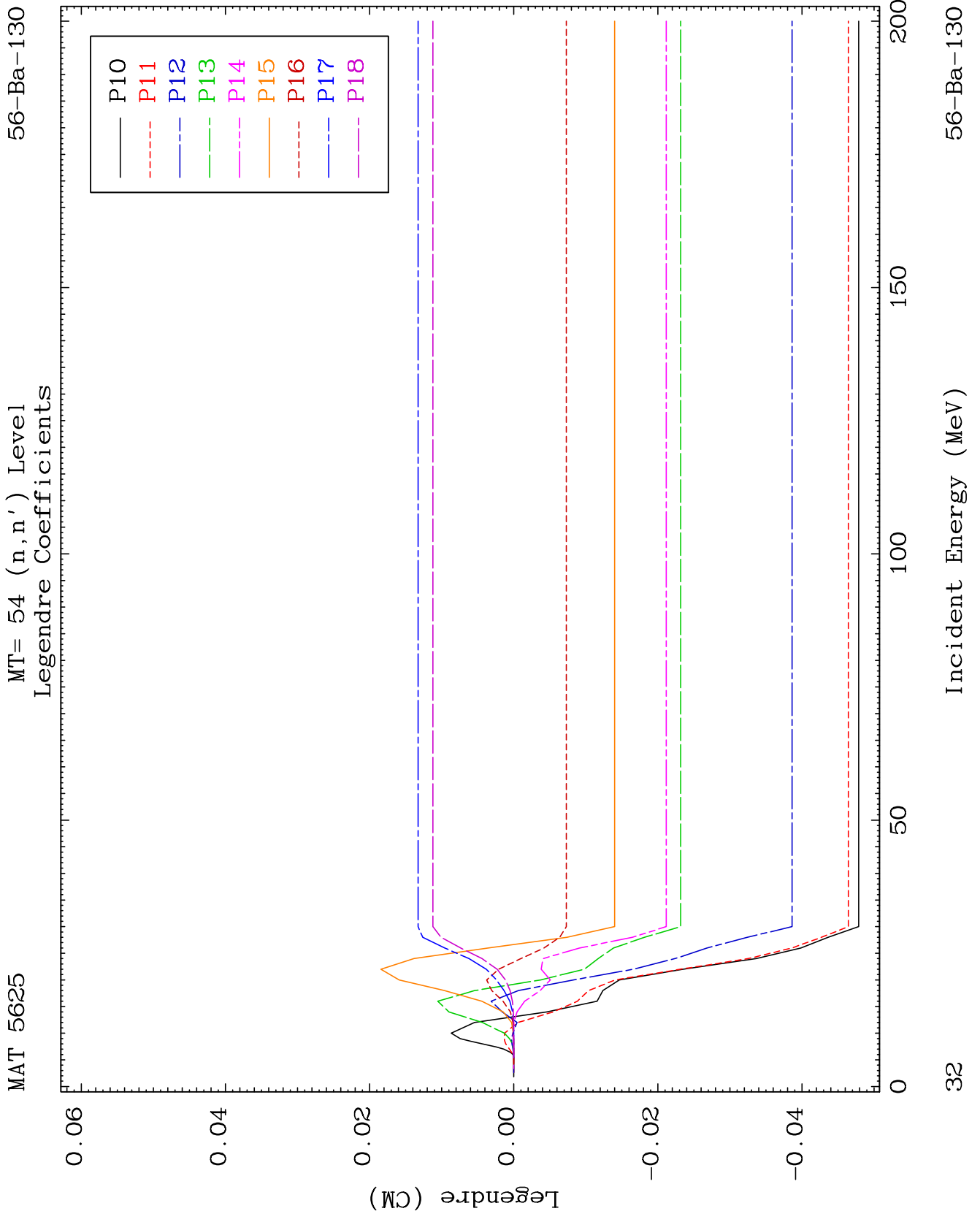
56-Ba-130

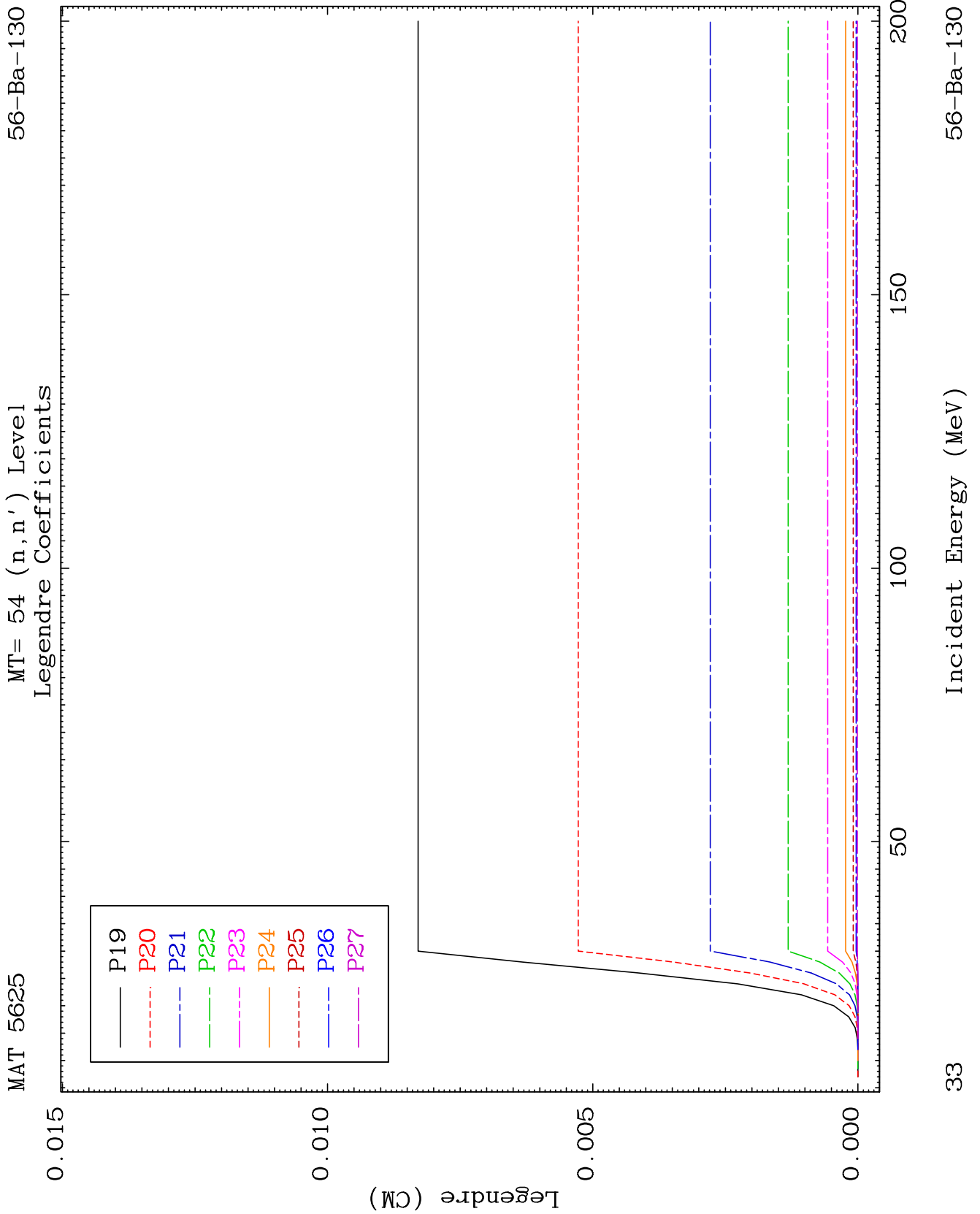


29





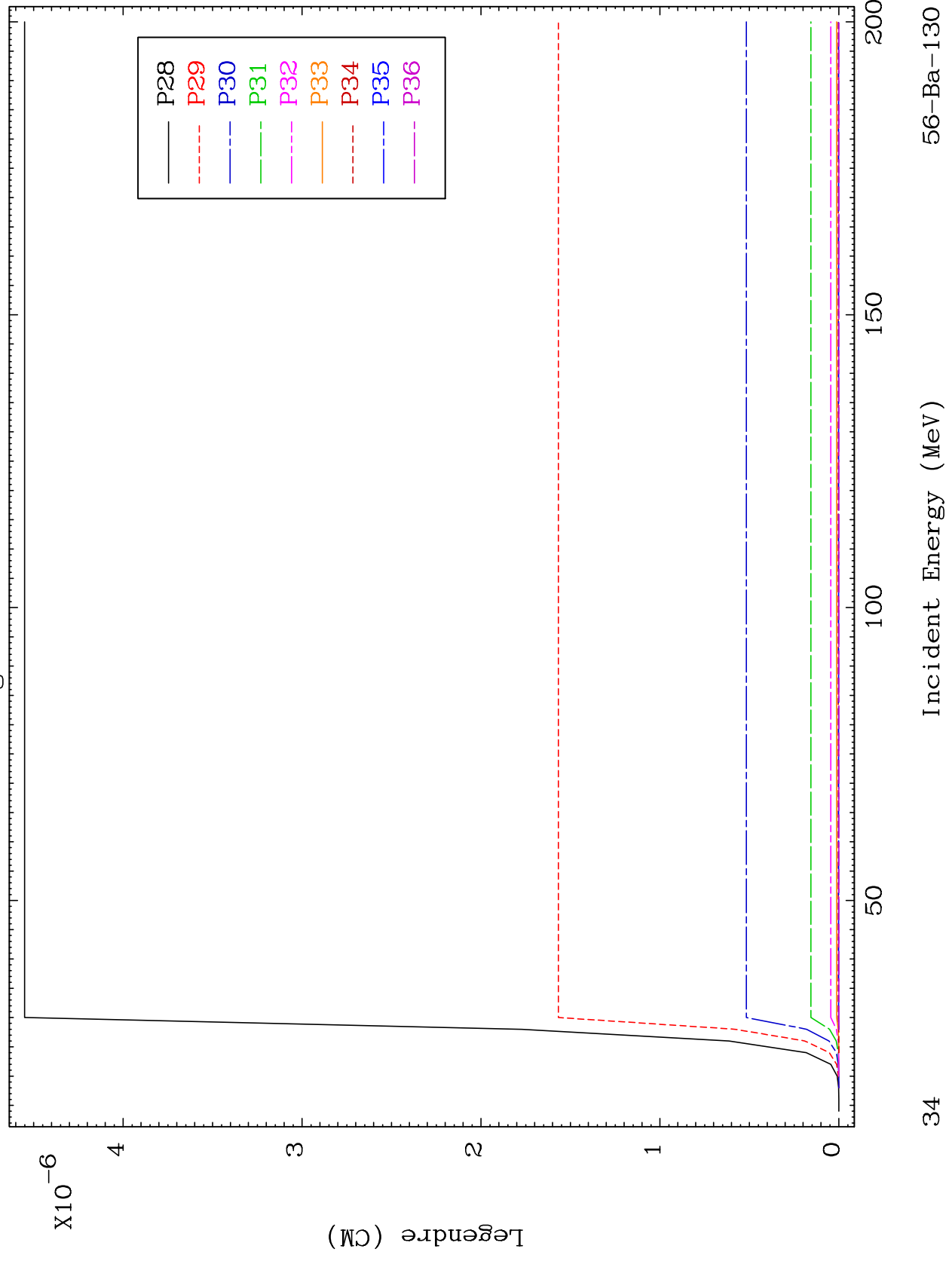




MAT 5625

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

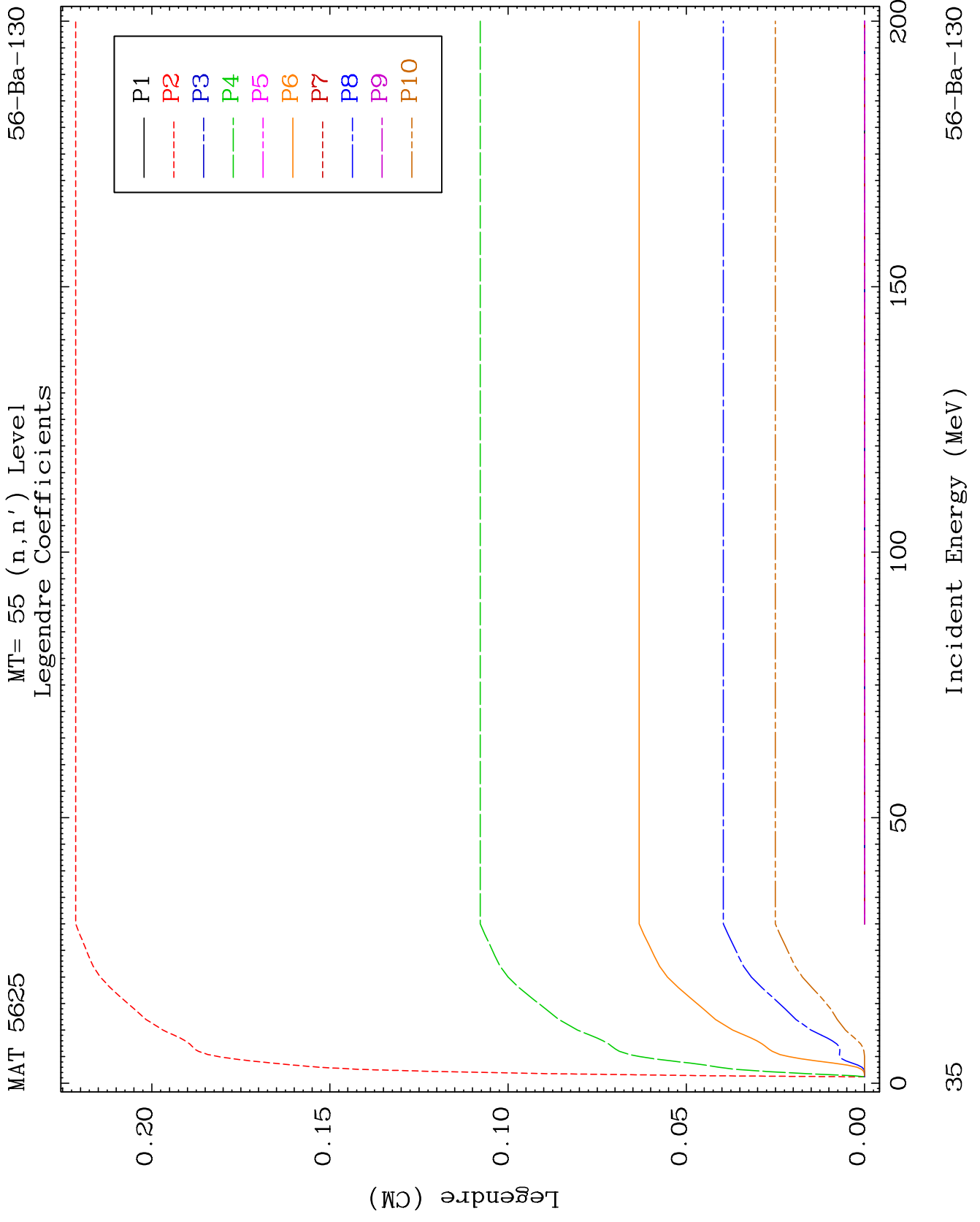
56-Ba-130

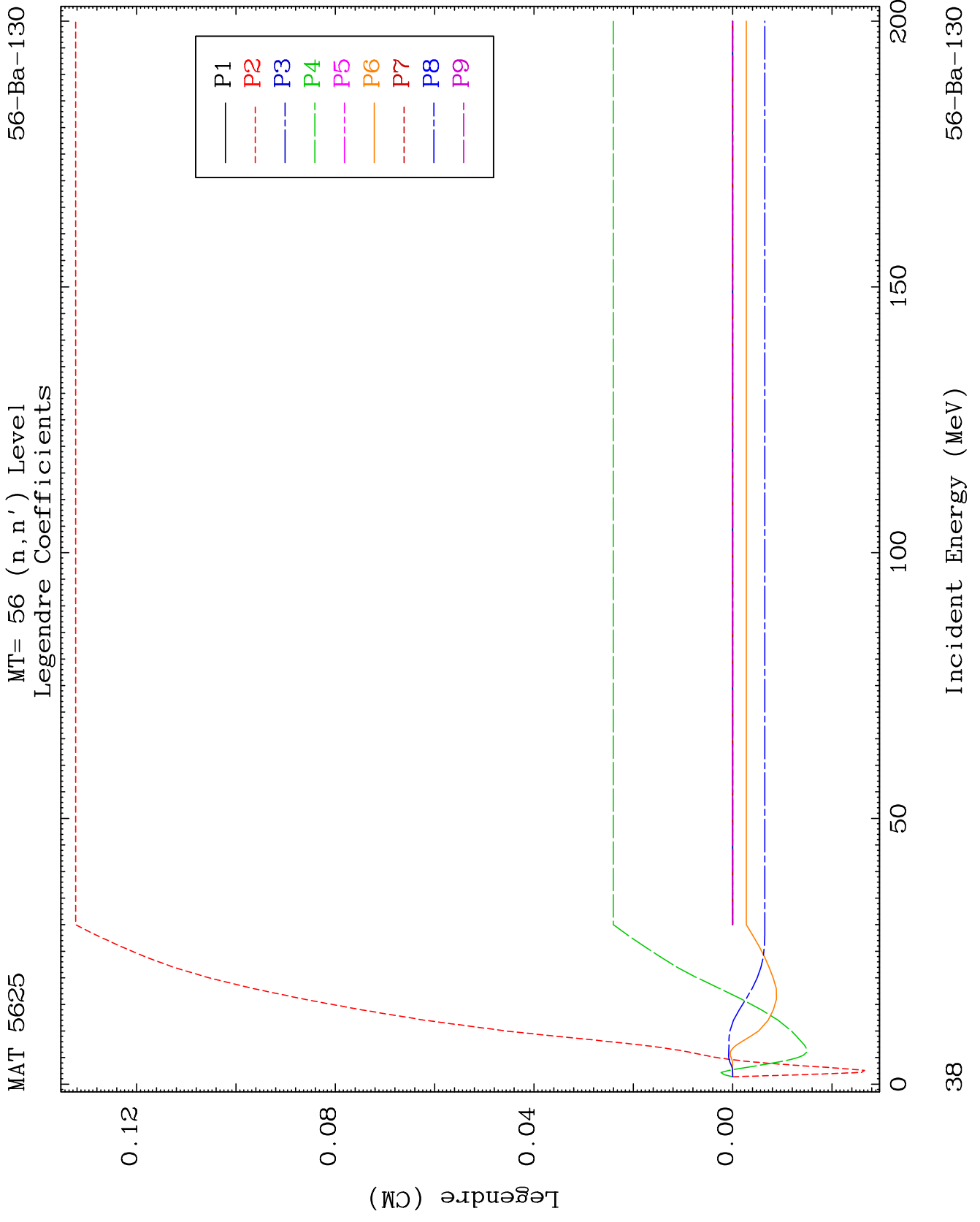


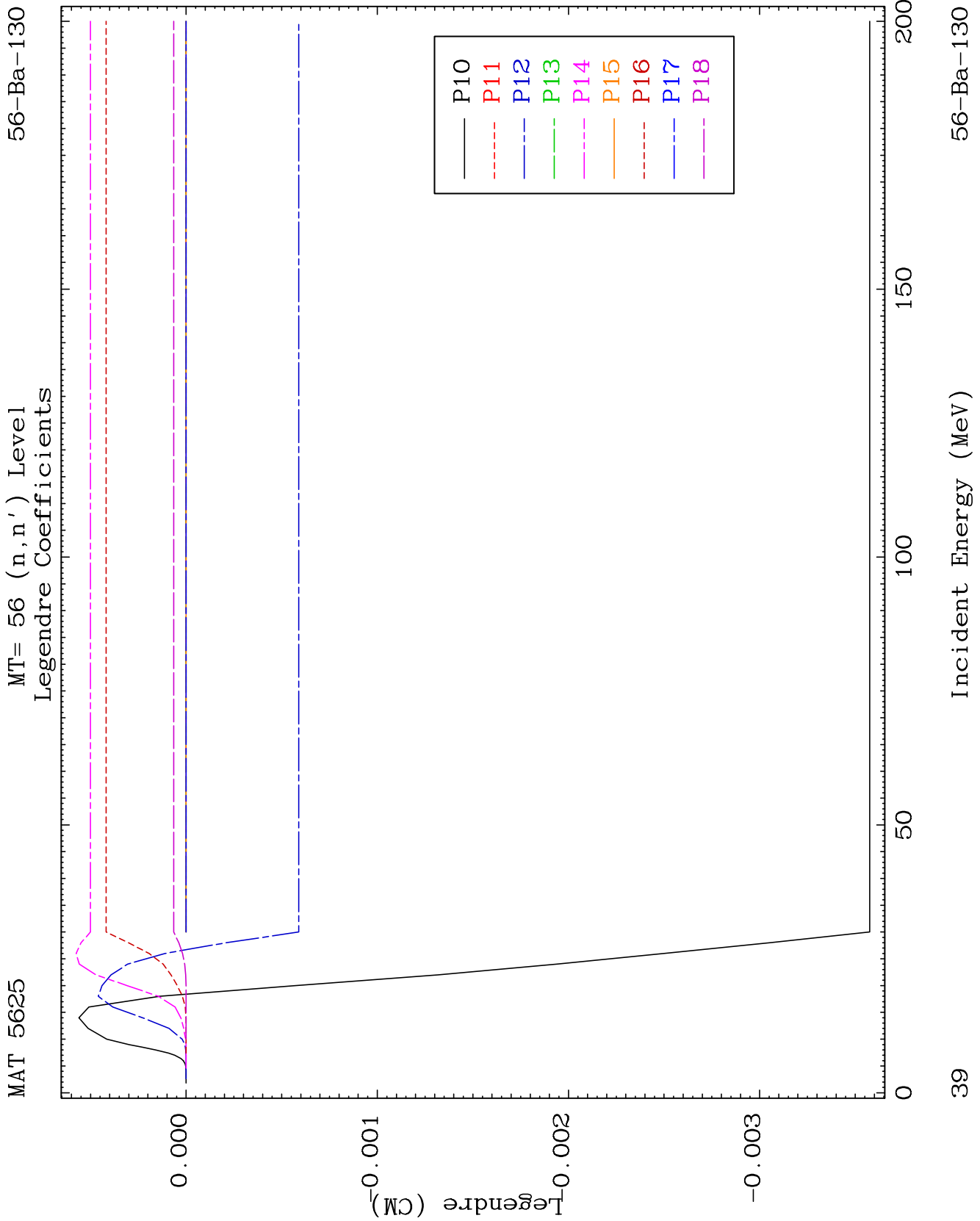
34

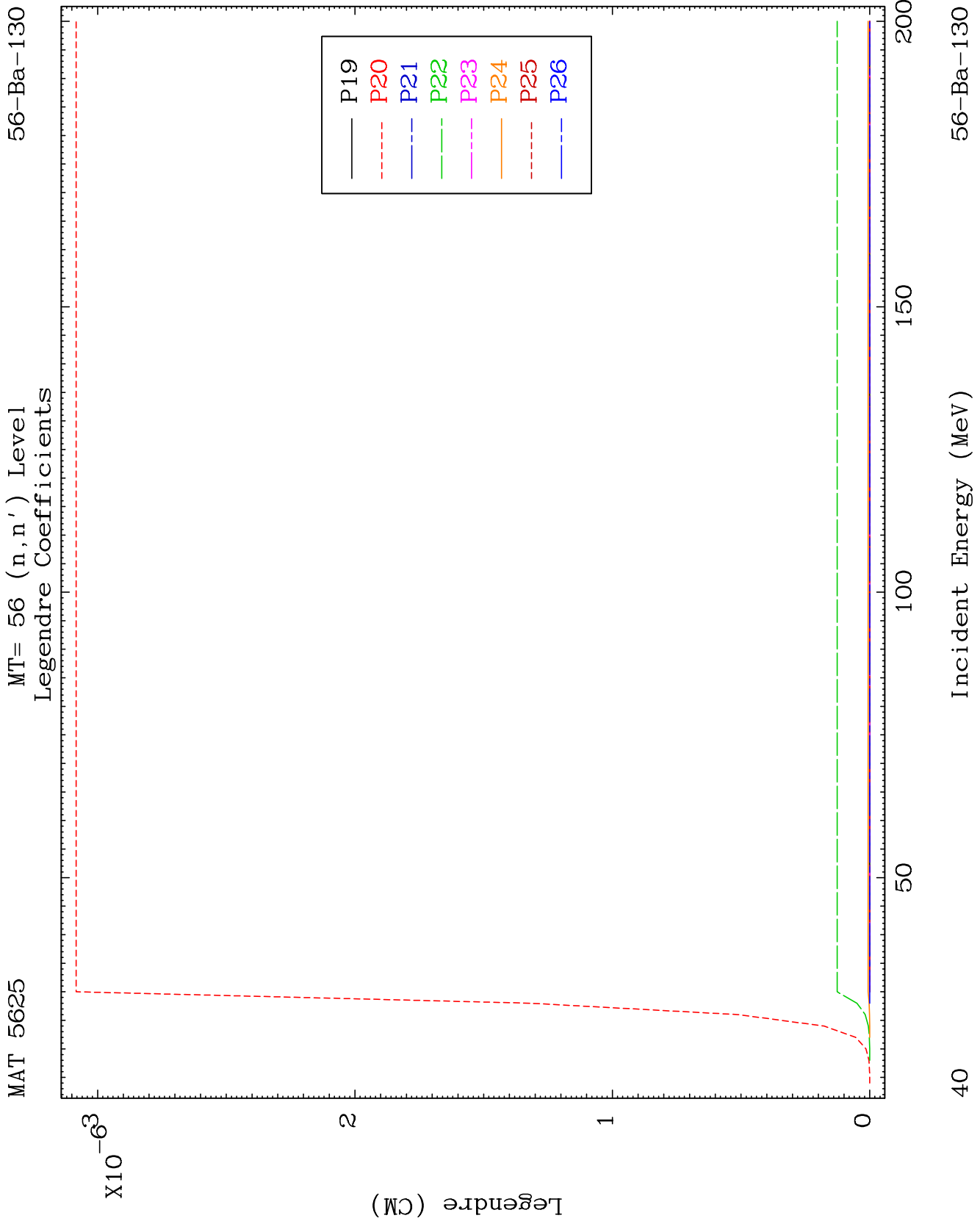
Incident Energy (MeV)

56-Ba-130





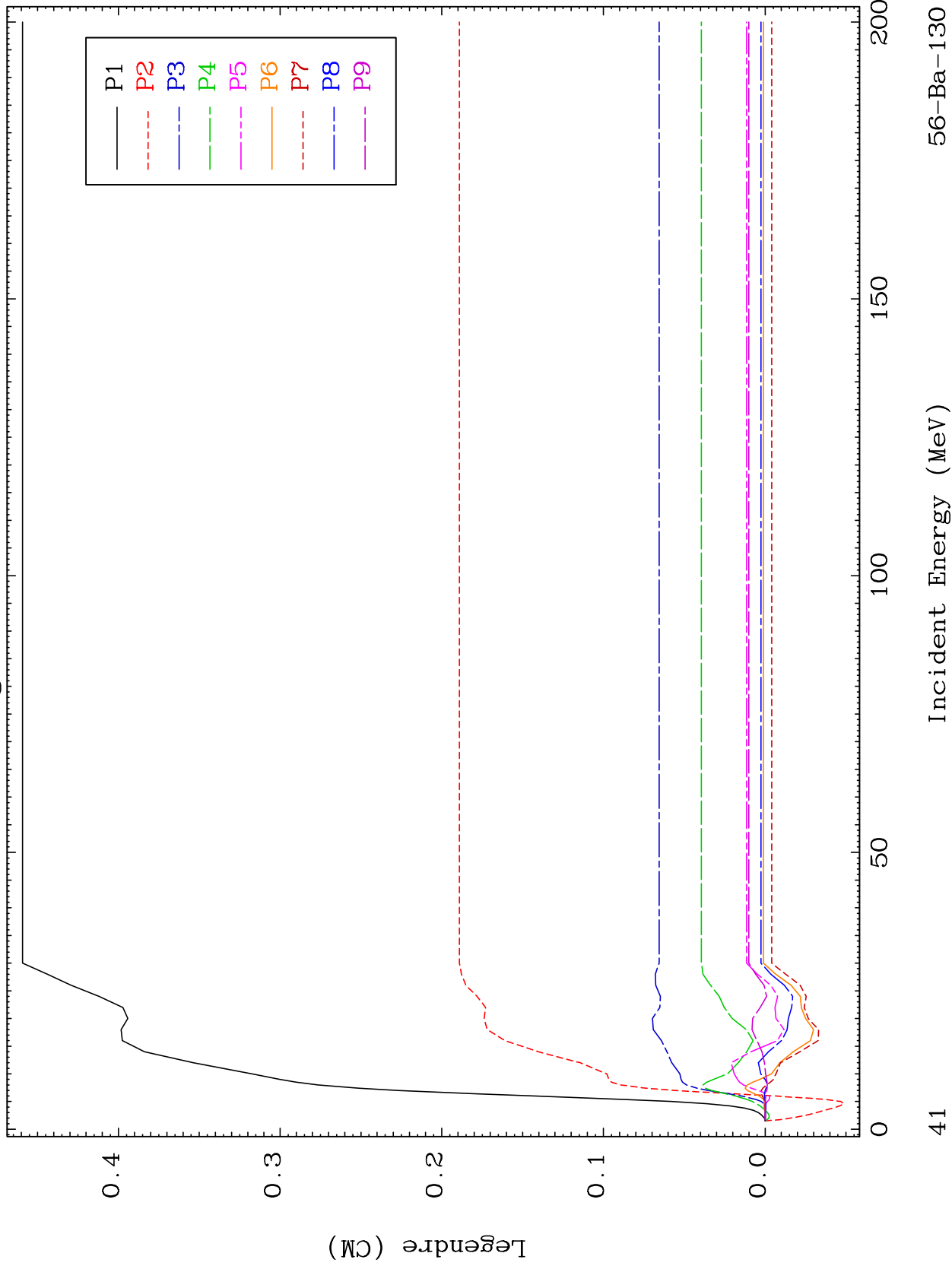




MAT 5625

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

56-Ba-130



56-Ba-130

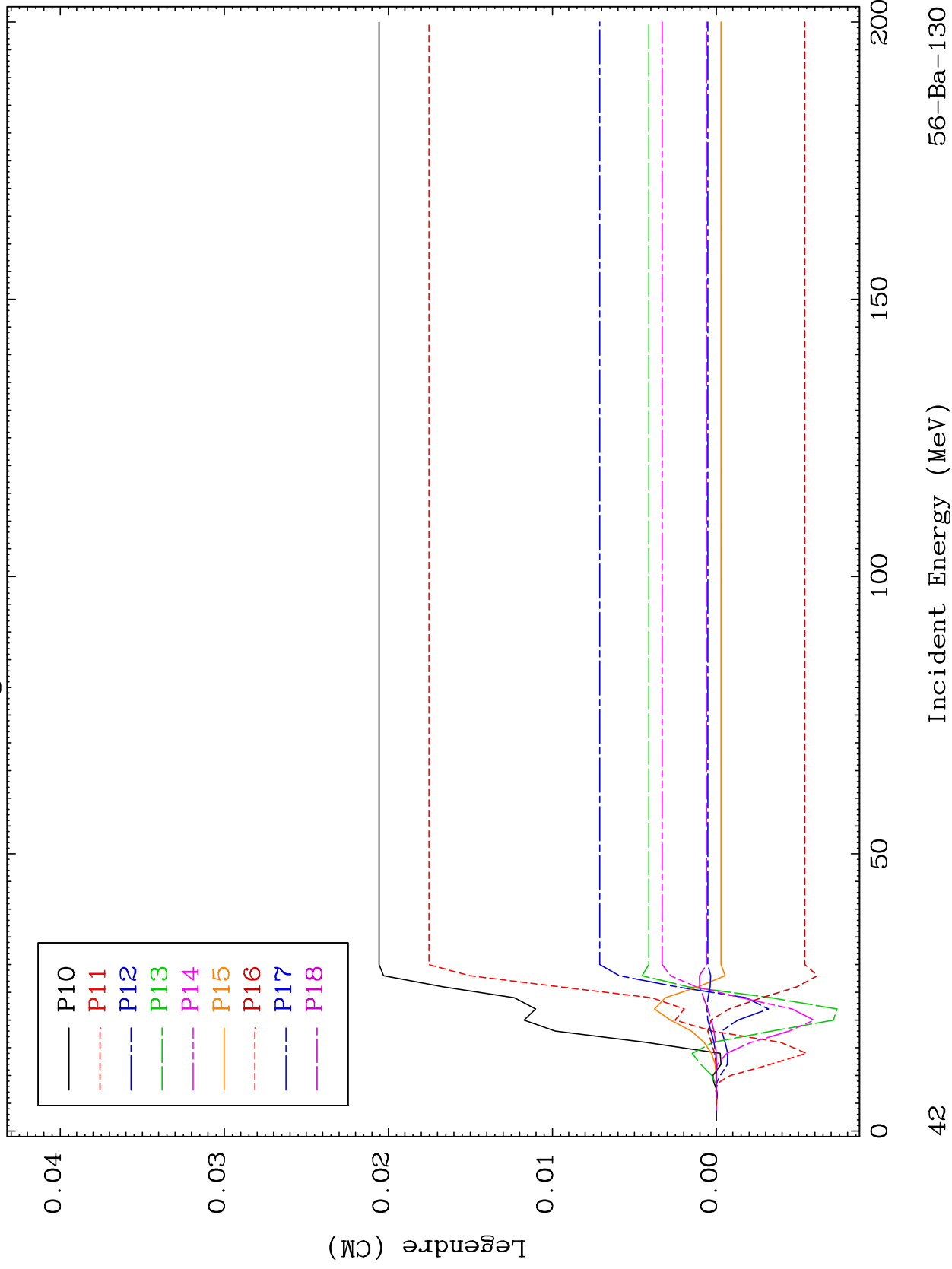
Incident Energy (MeV)

41

MAT 5625

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

56-Ba-130



56-Ba-130

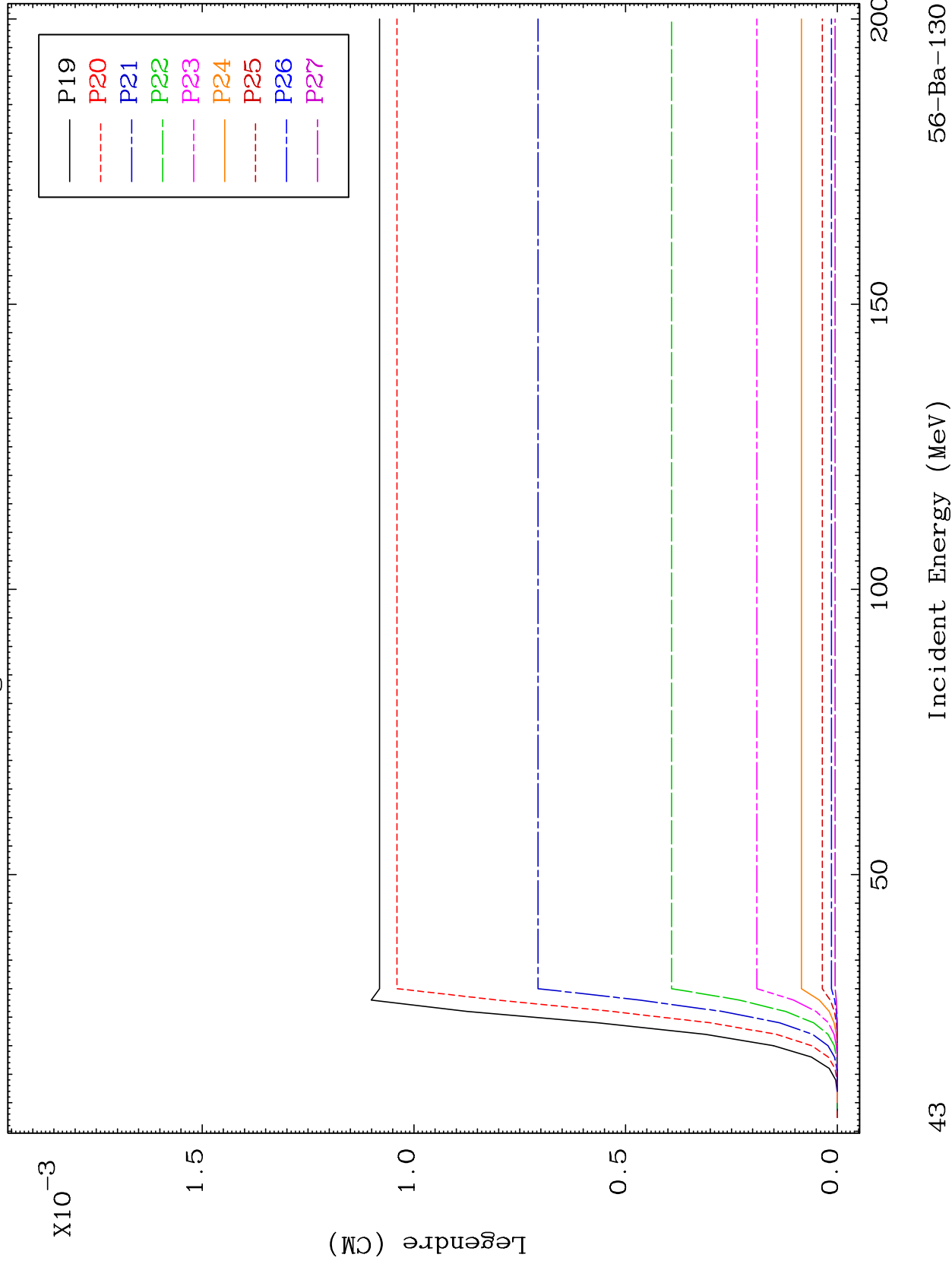
Incident Energy (MeV)

42

MAT 5625

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

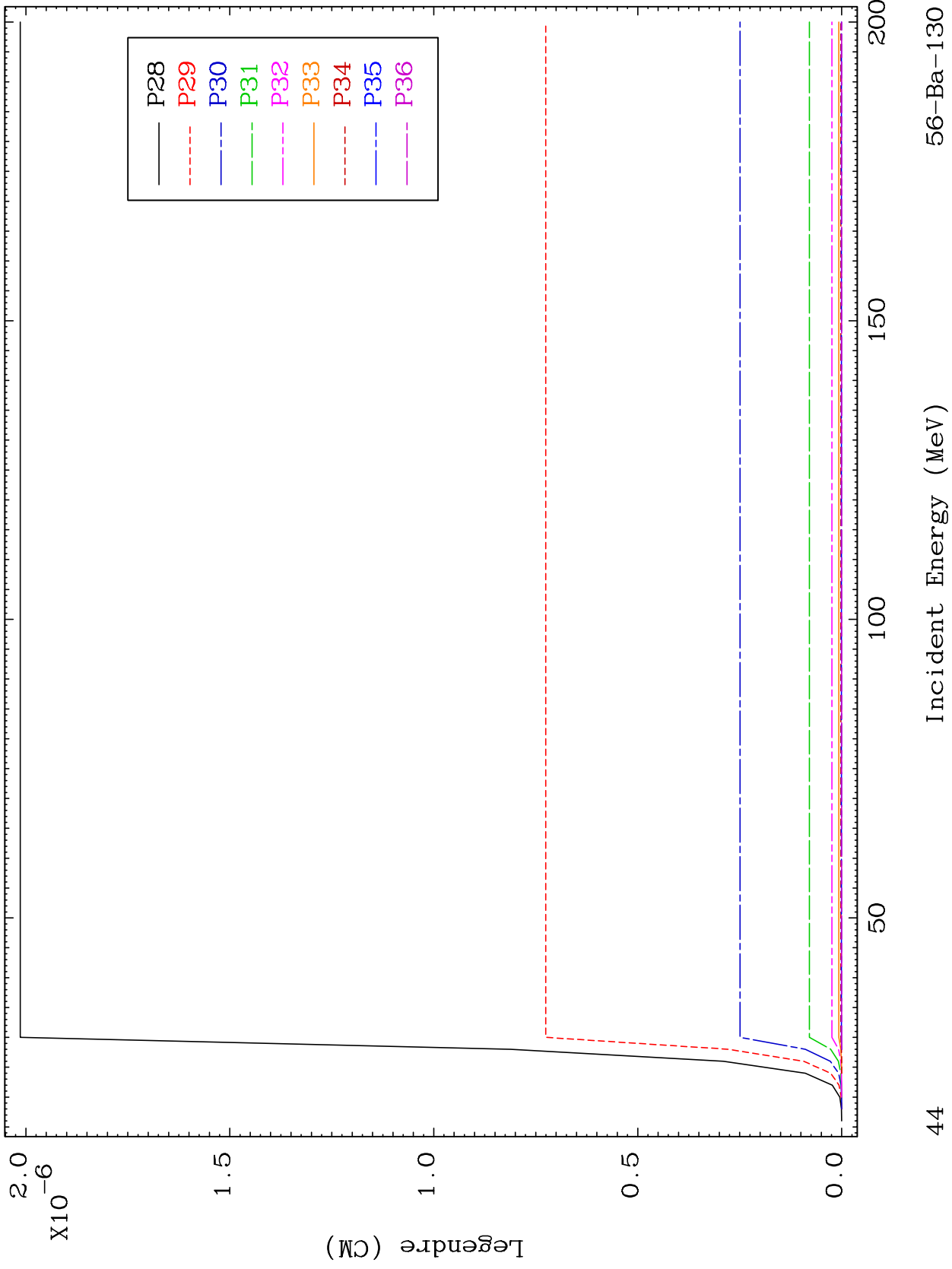
56-Ba-130



MAT 5625

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

56-Ba-130



44

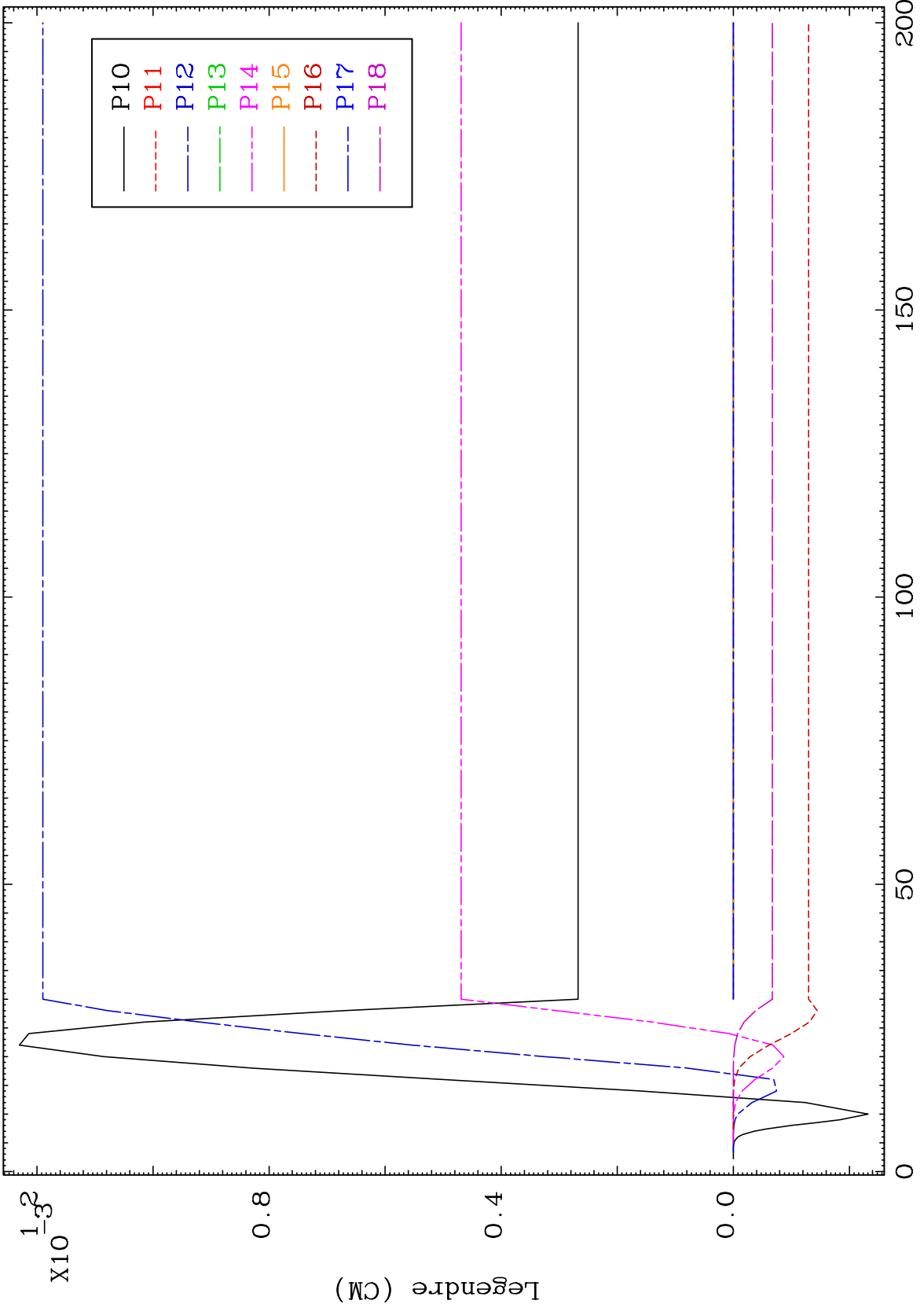
Incident Energy (MeV)

56-Ba-130

MAT 5625

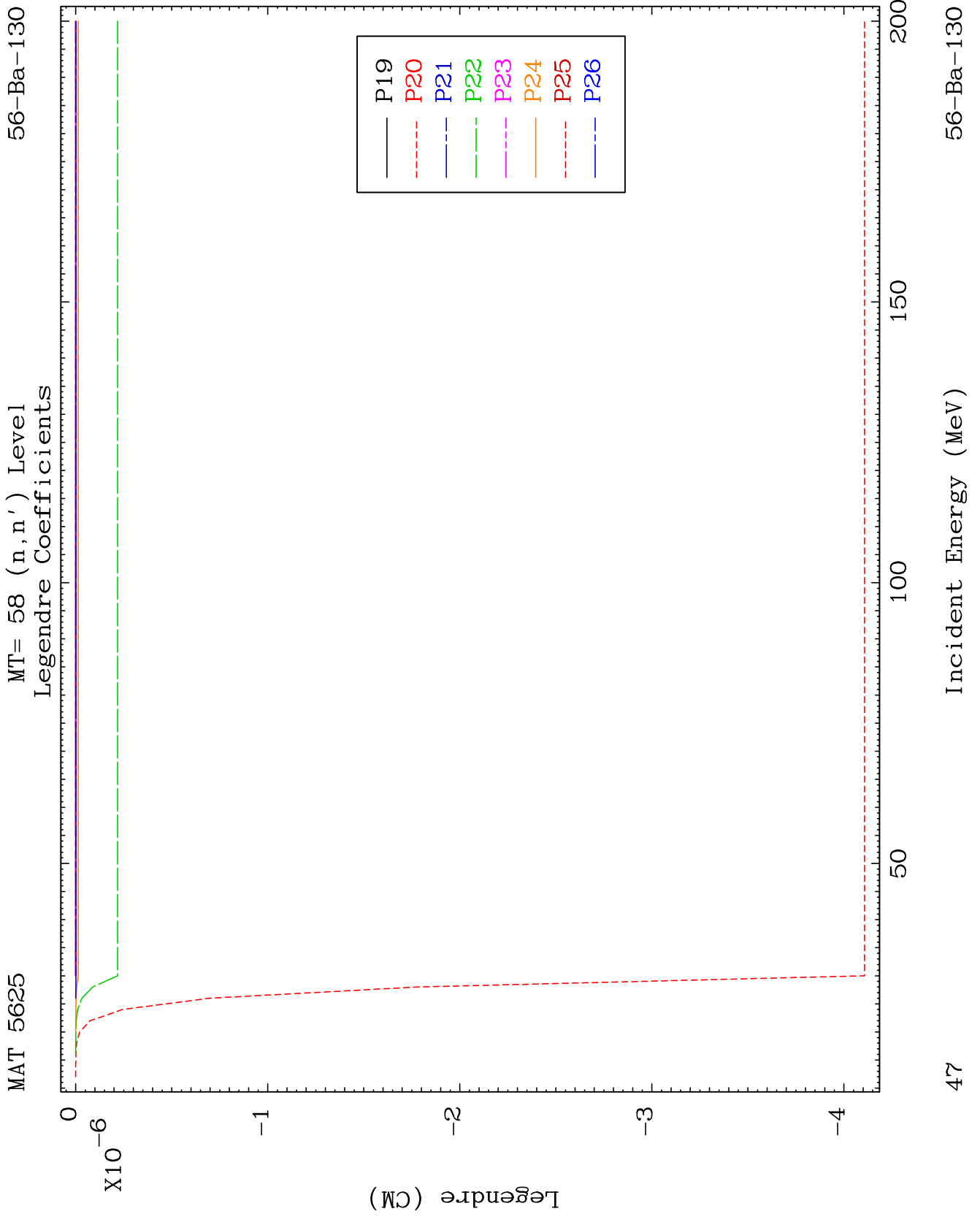
MT= 58 (n,n') Level
Legendre Coefficients

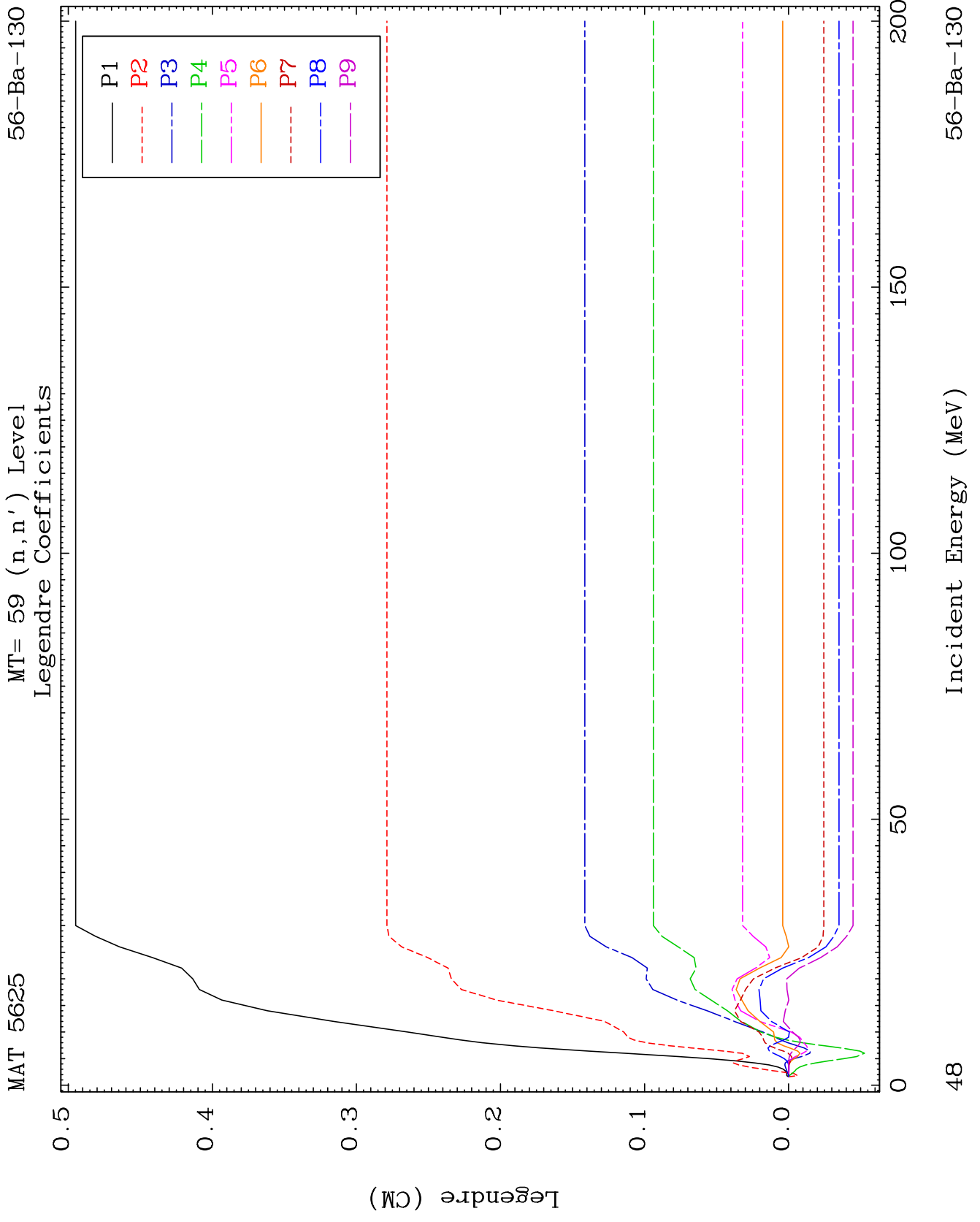
56-Ba-130

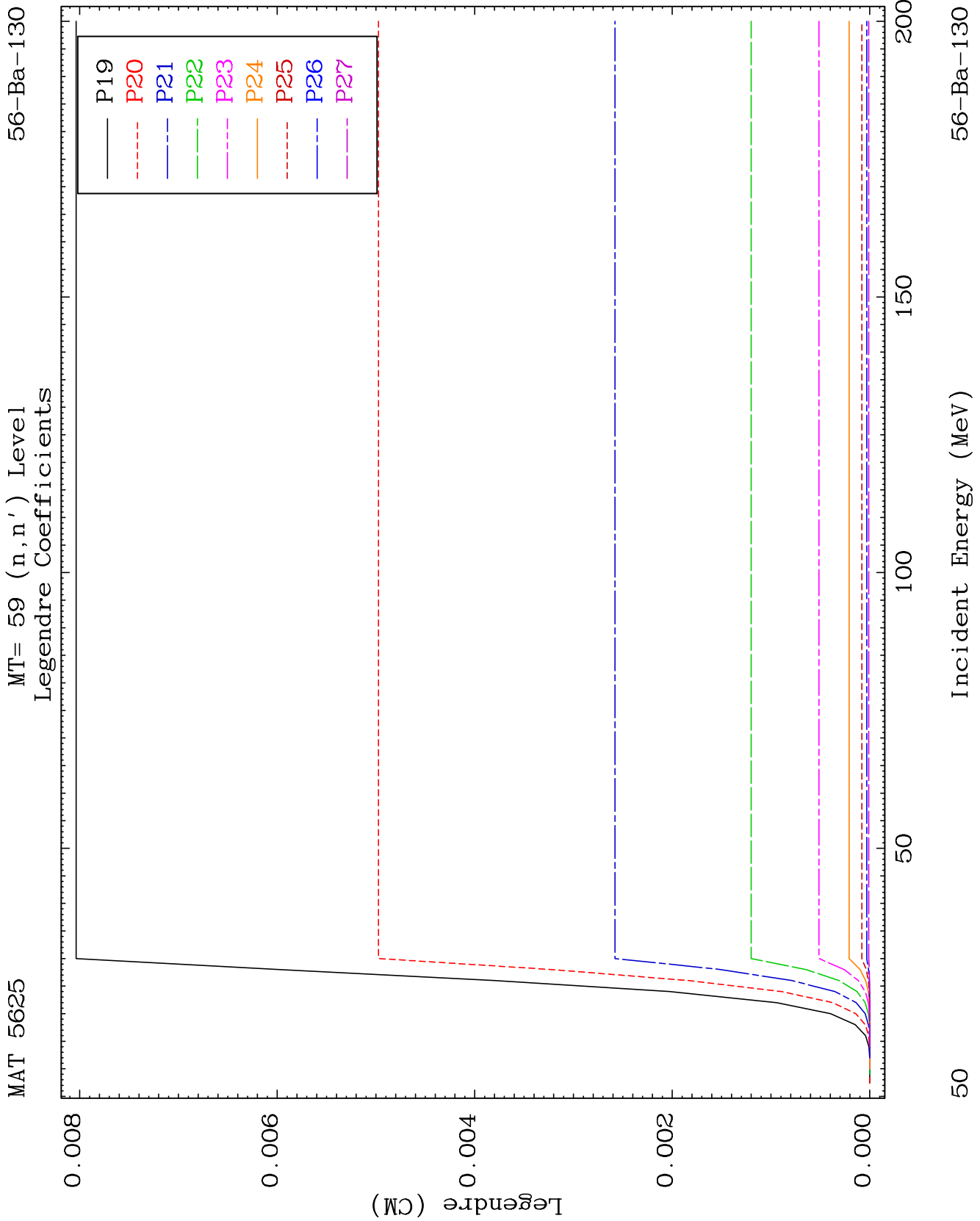


46

56-Ba-130



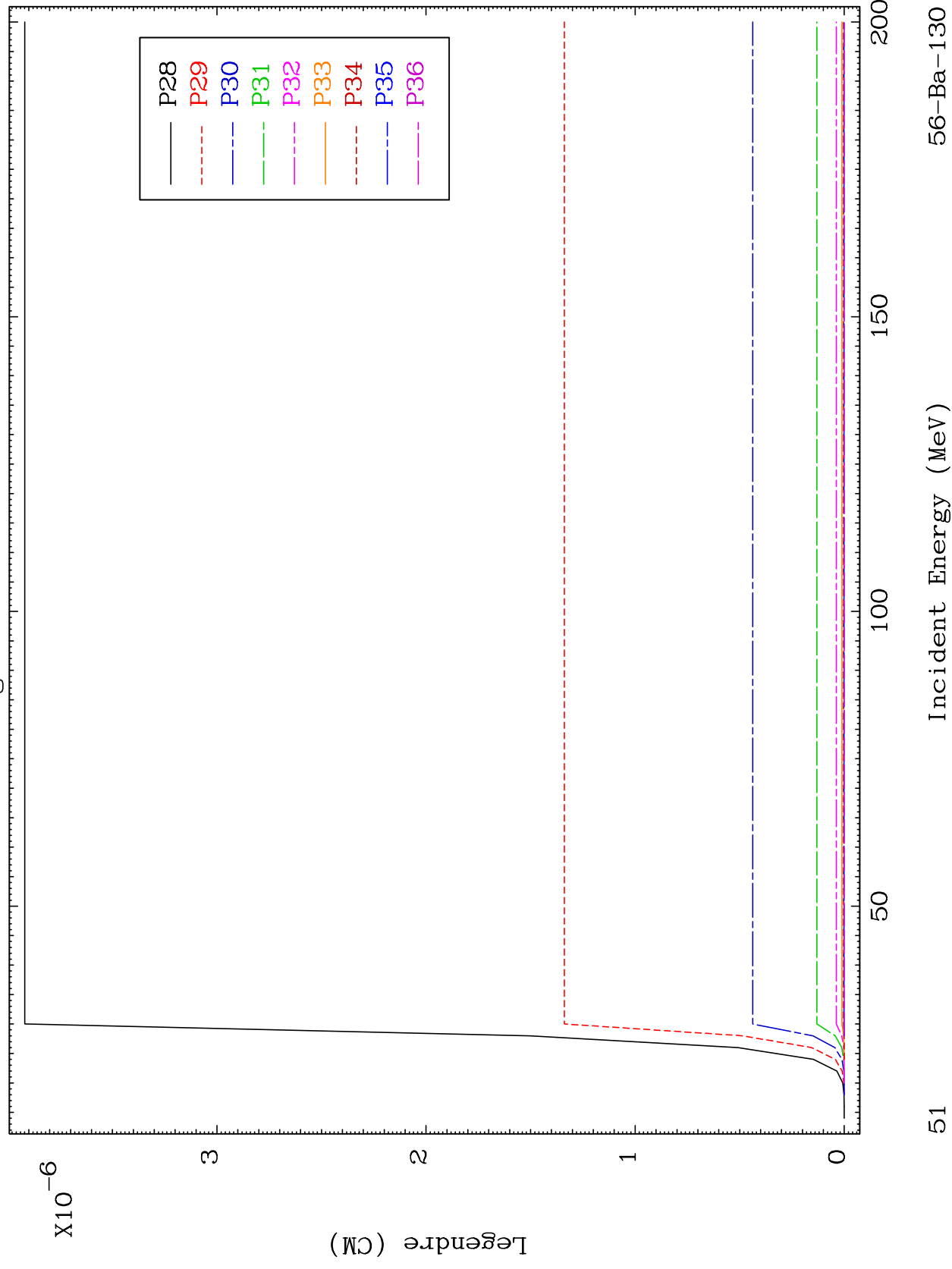




MAT 5625

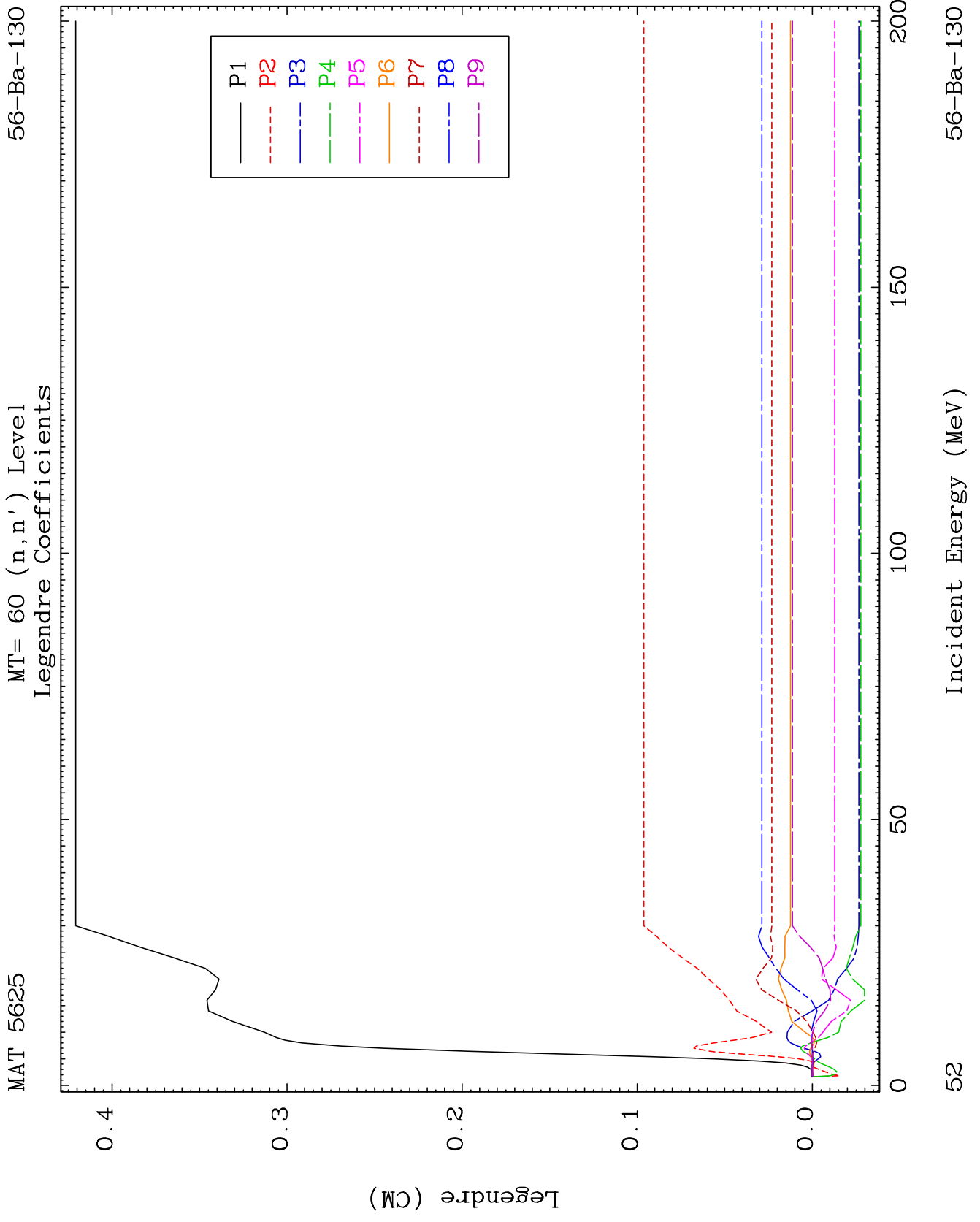
MT= 59 (n,n') Level
Legendre Coefficients

56-Ba-130



51

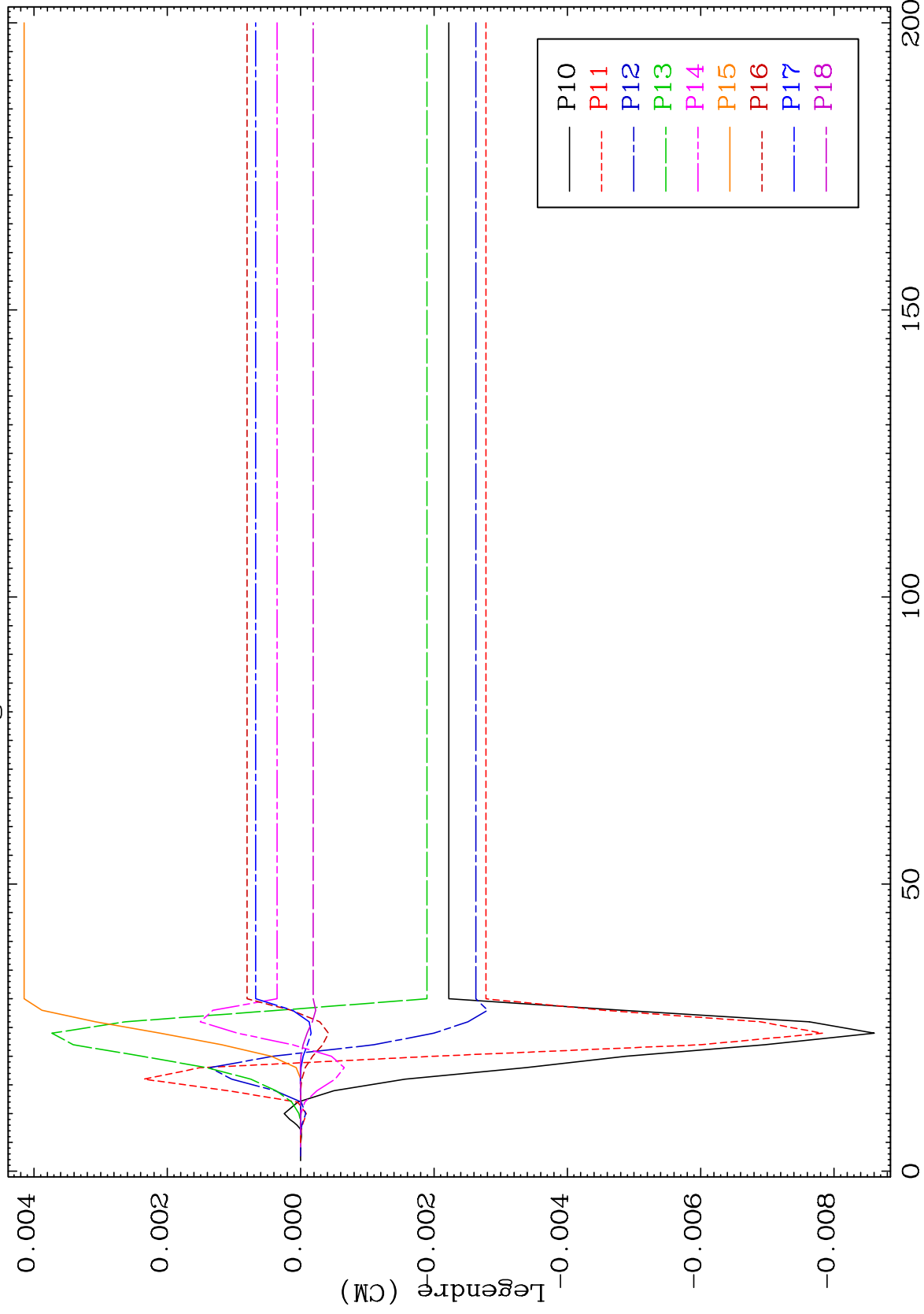
56-Ba-130



MAT 5625

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

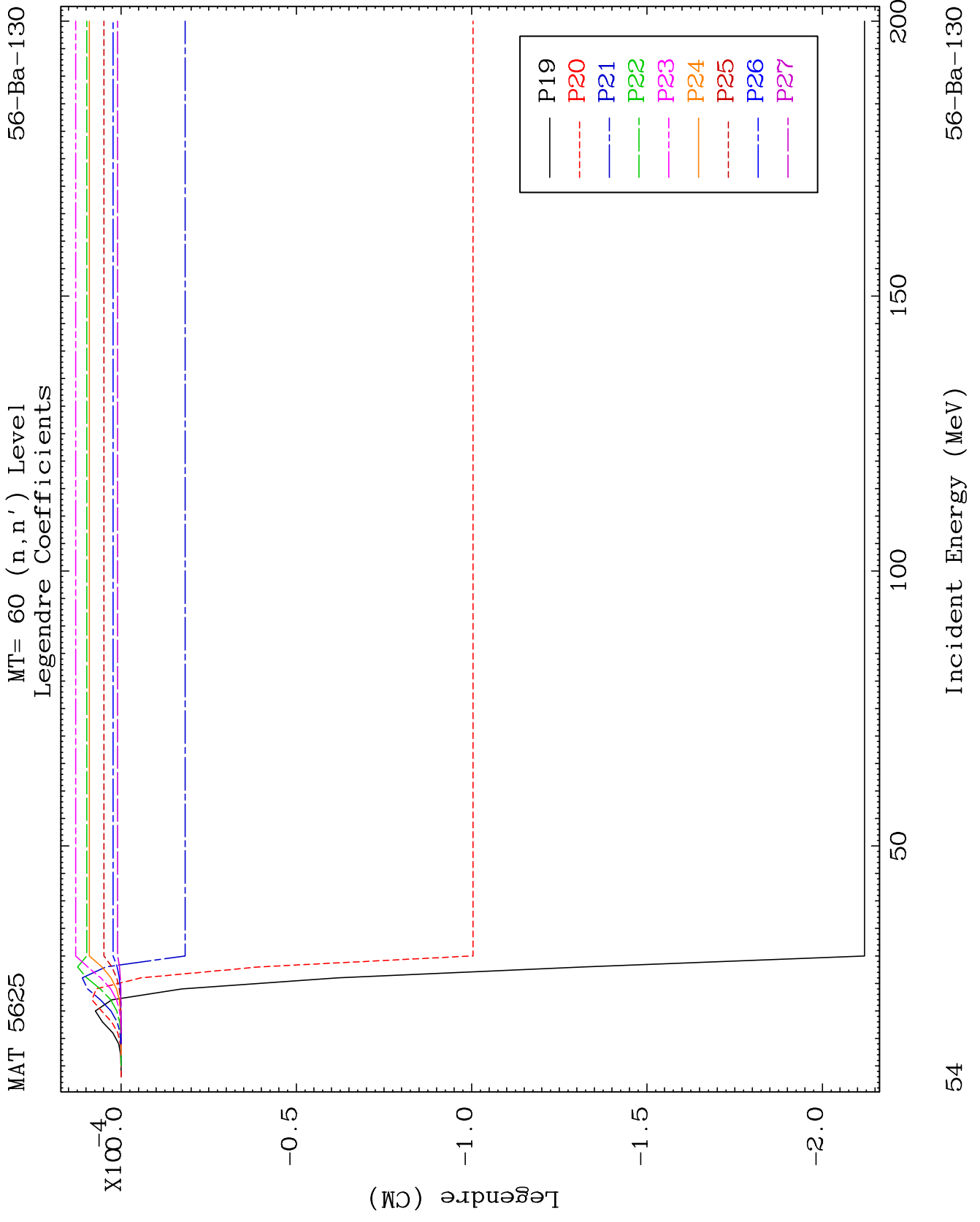
56-Ba-130



53

Incident Energy (MeV)

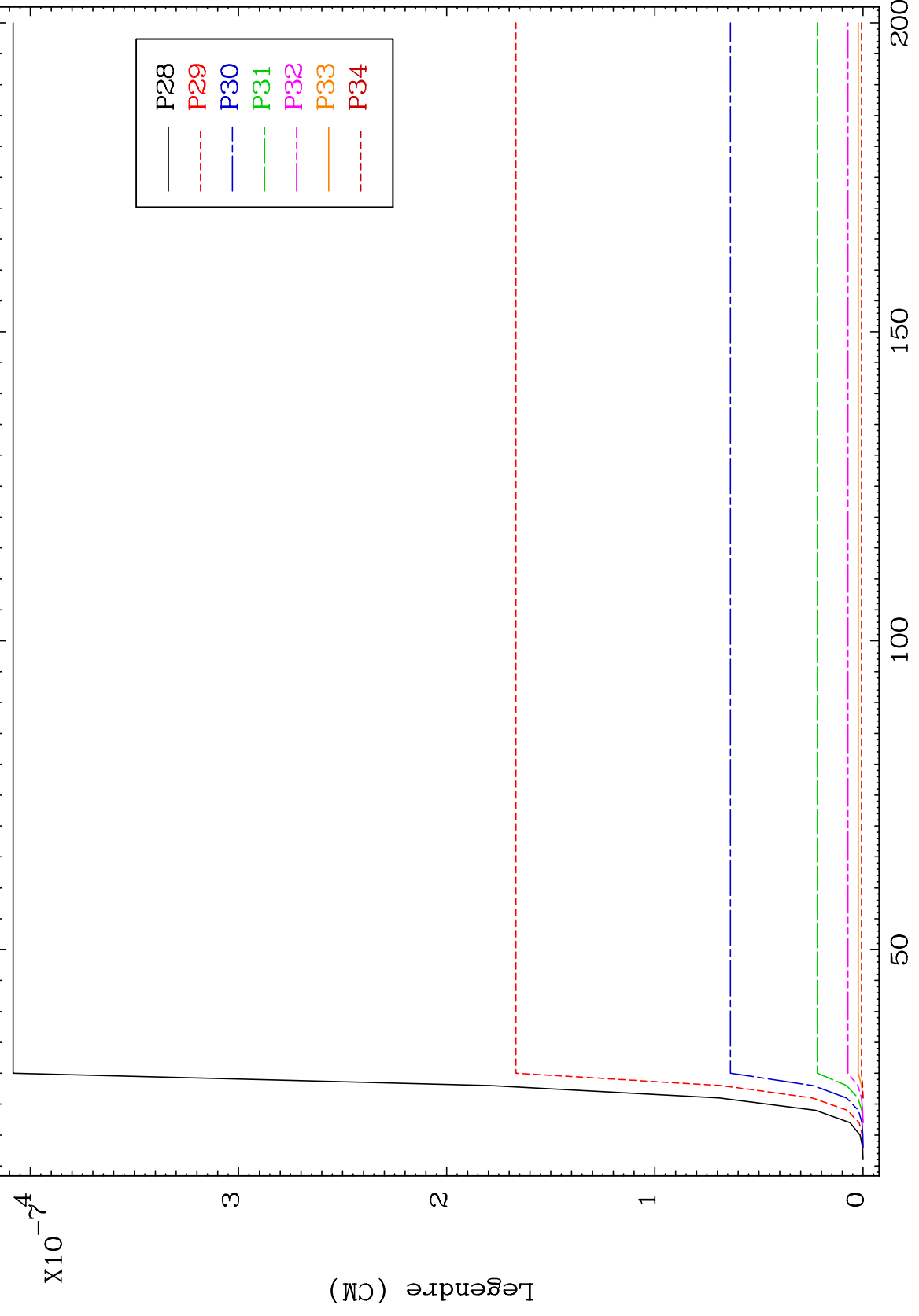
56-Ba-130



MAT 5625

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

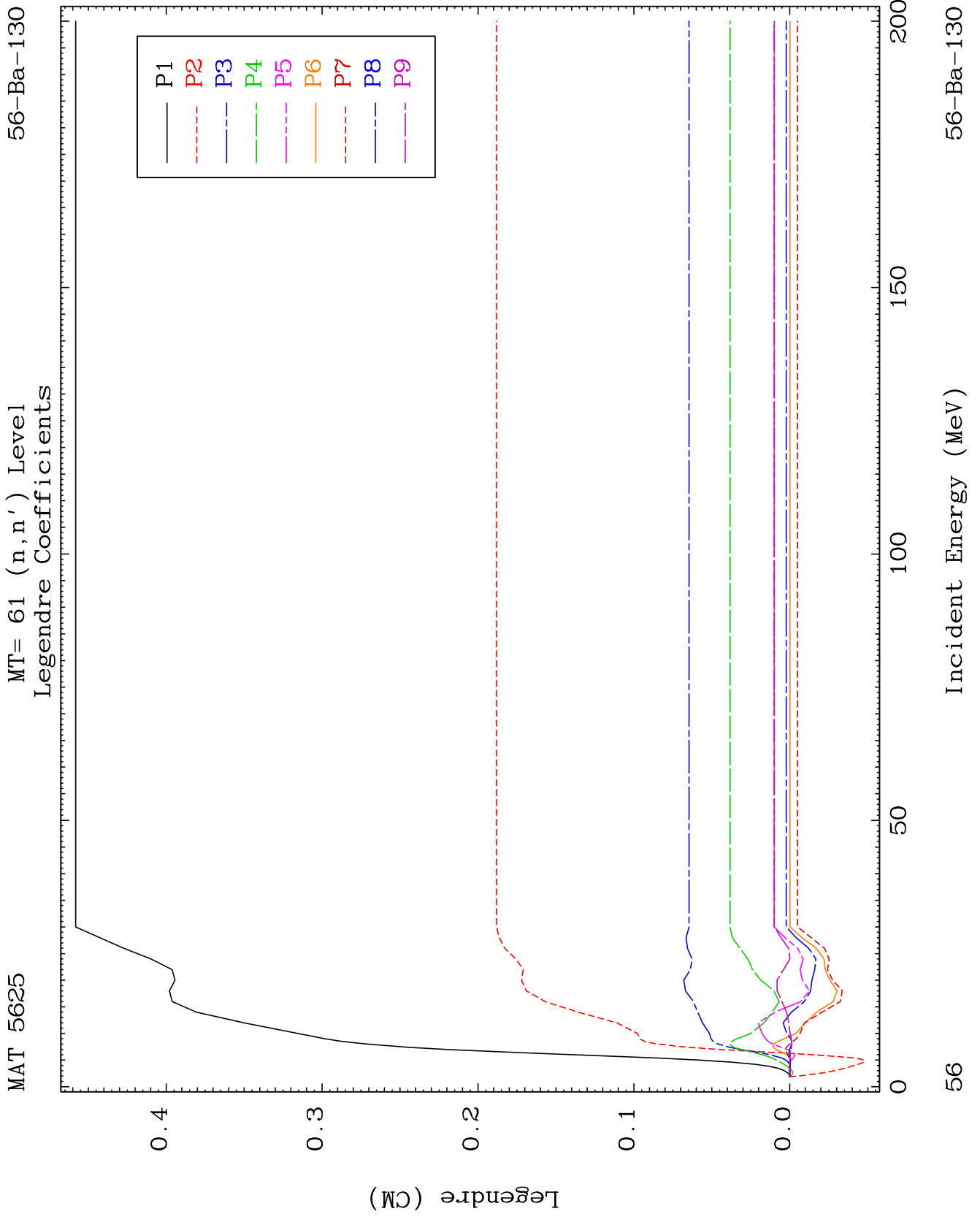
56-Ba-130



55

Incident Energy (MeV)

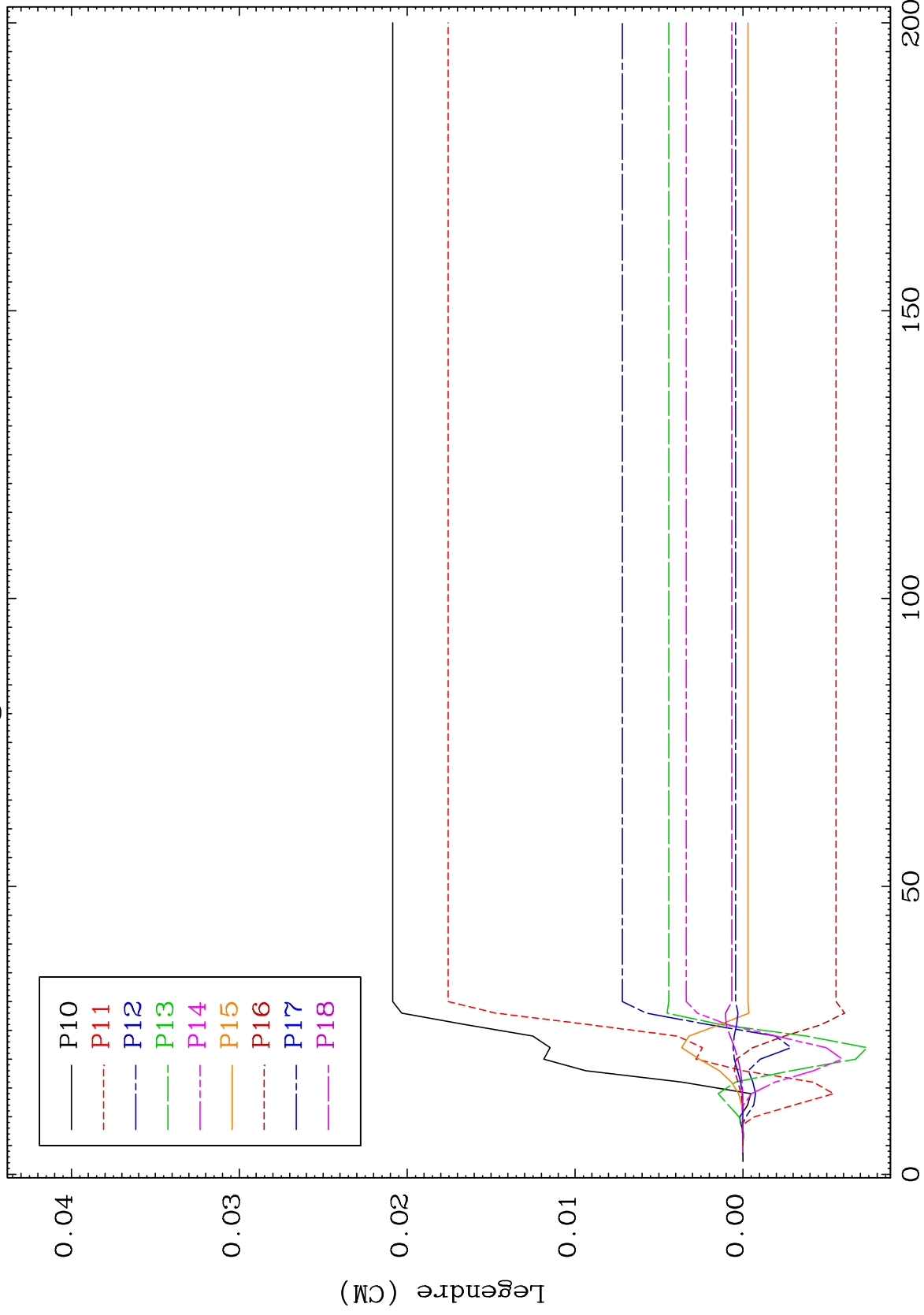
56-Ba-130



MAT 5625

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

56-Ba-130



57

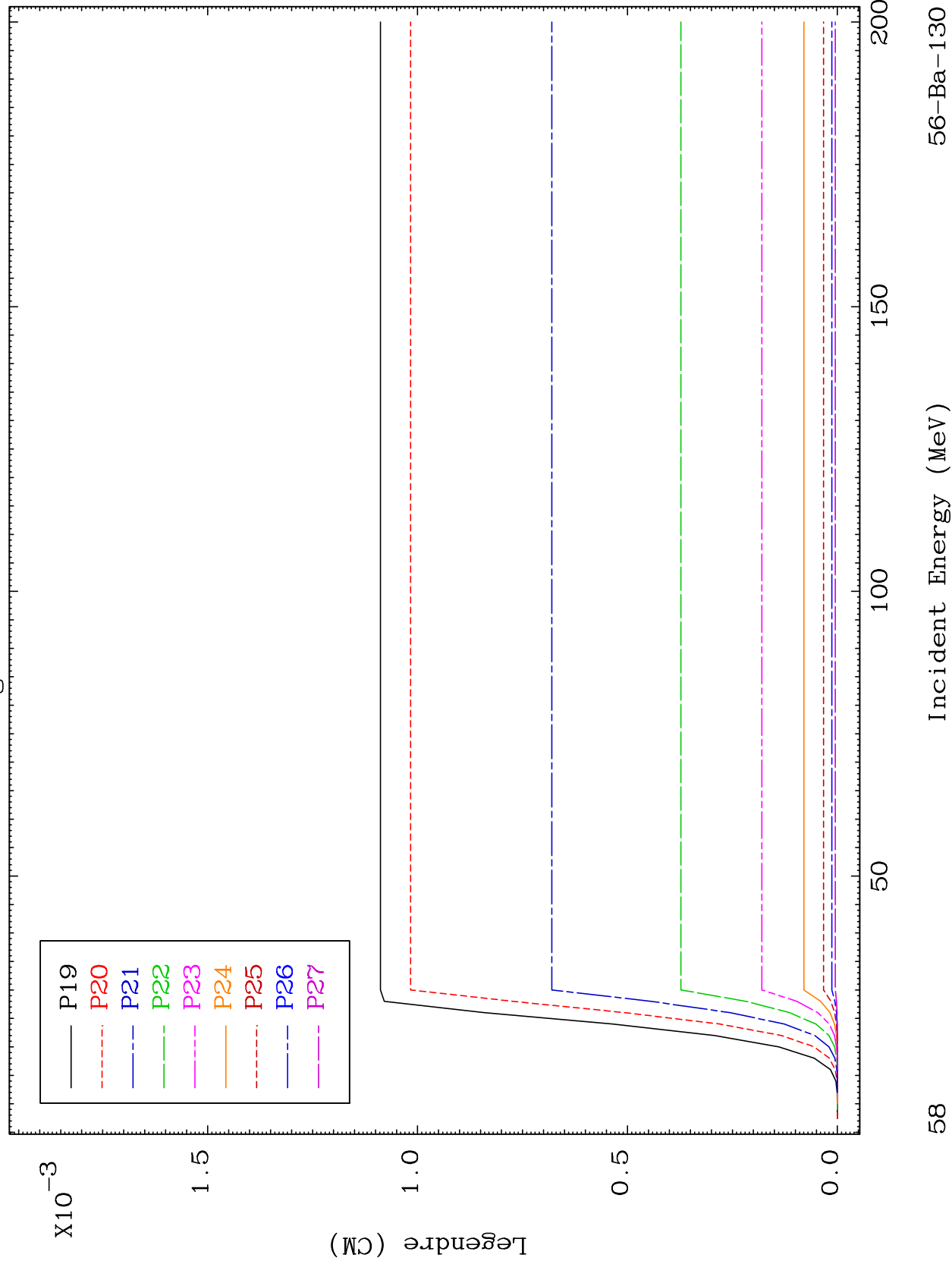
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



58

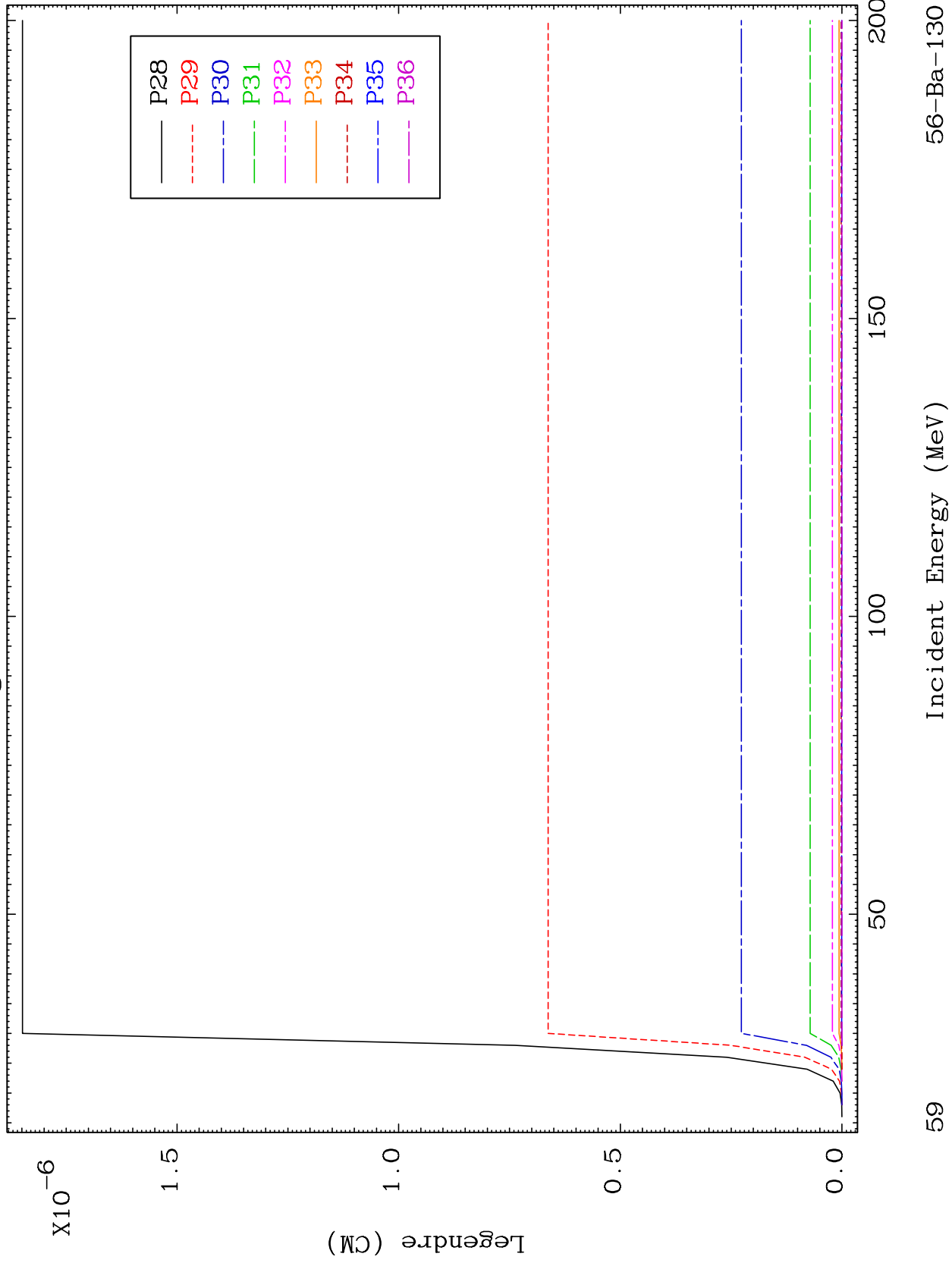
Incident Energy (MeV)

56-Ba-130

MAT 5625

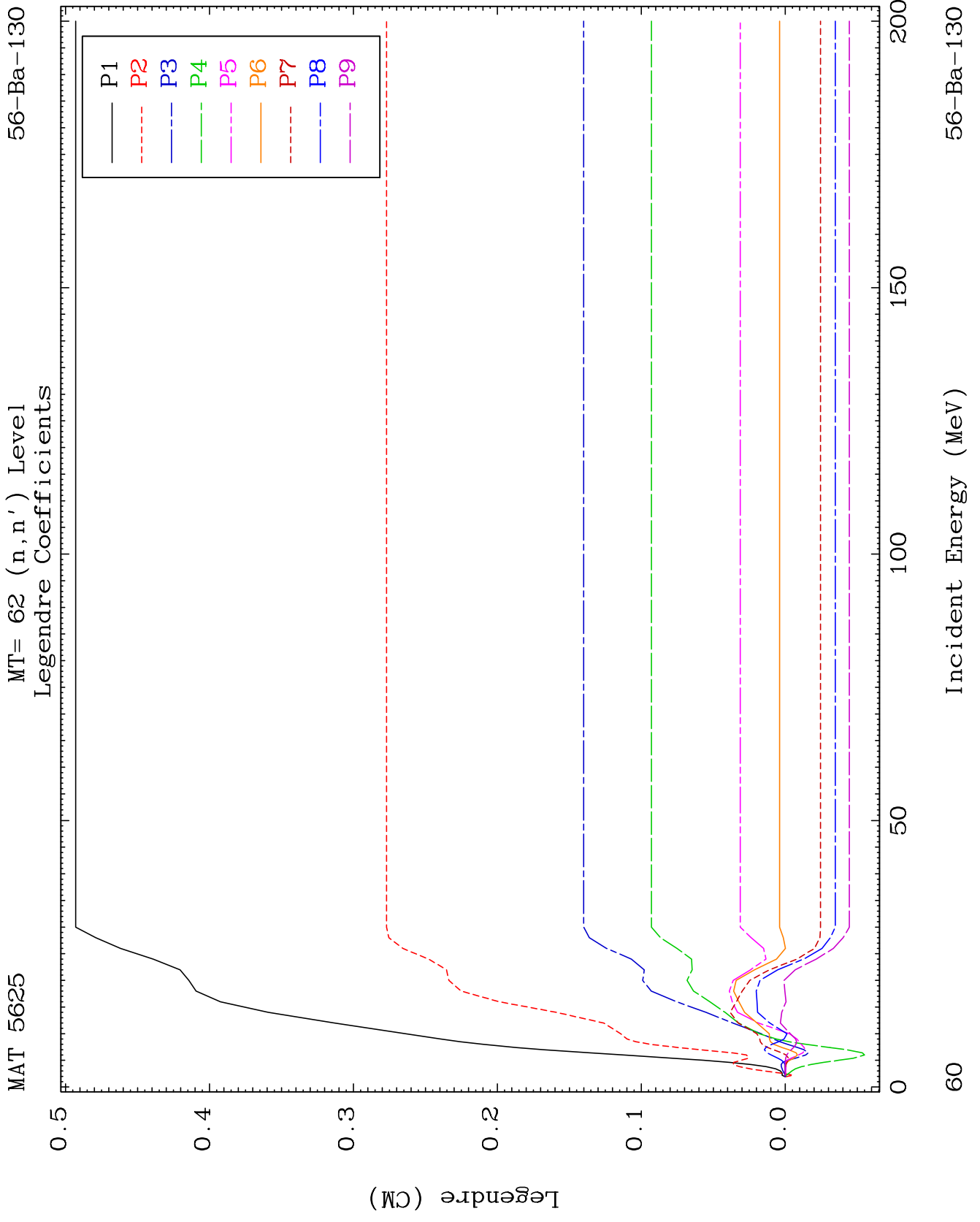
MT= 61 (n,n') Level
Legendre Coefficients

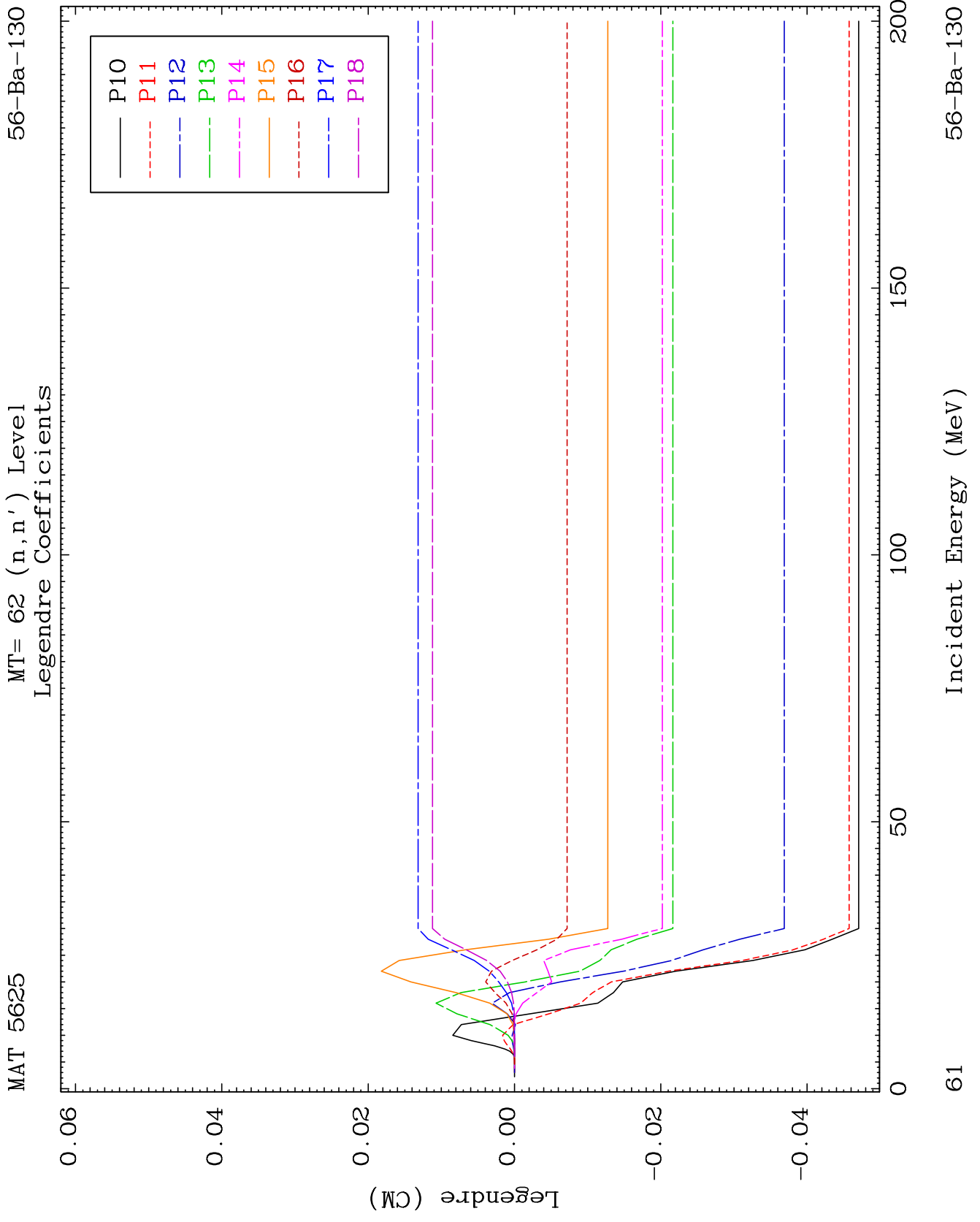
56-Ba-130

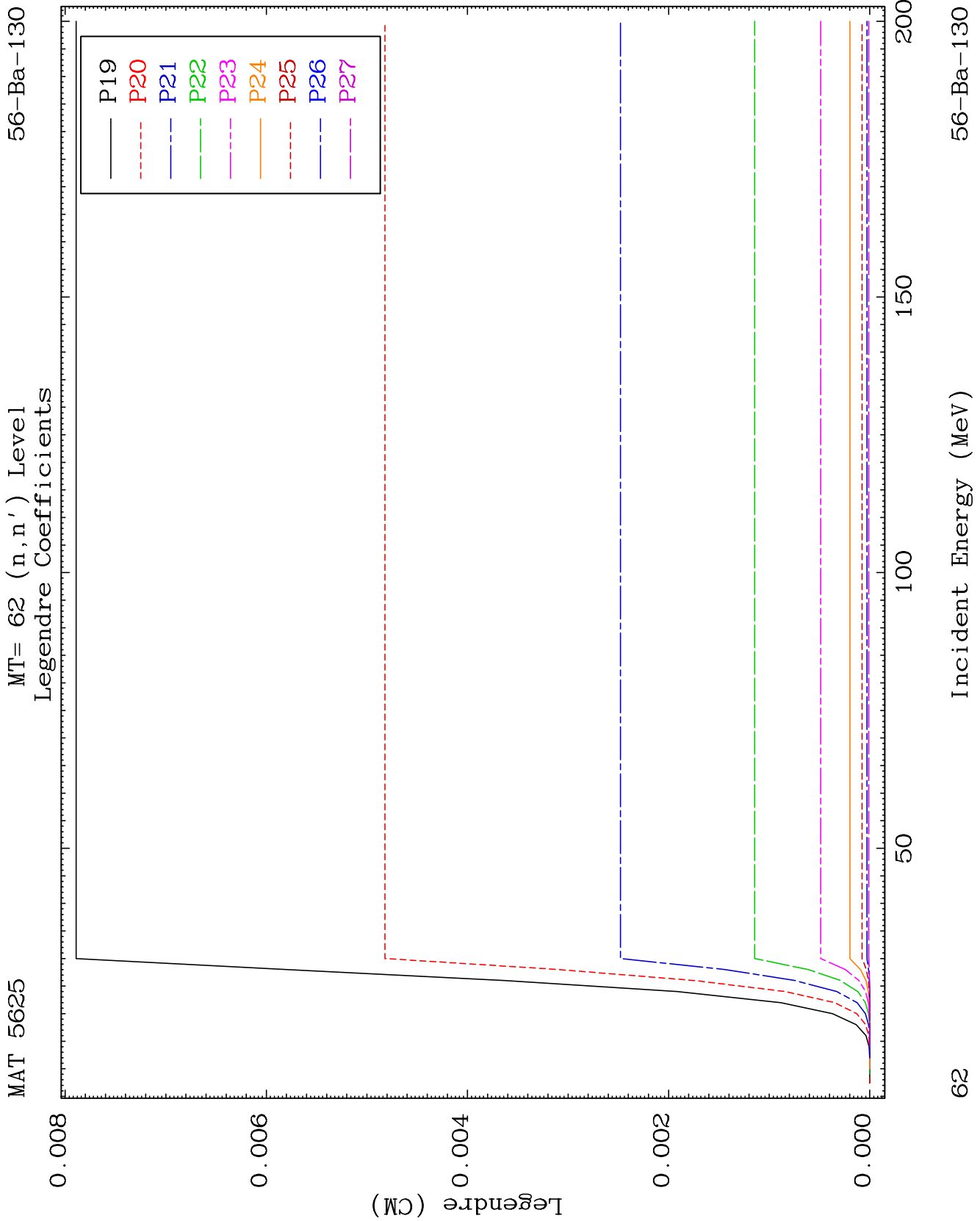


59

56-Ba-130



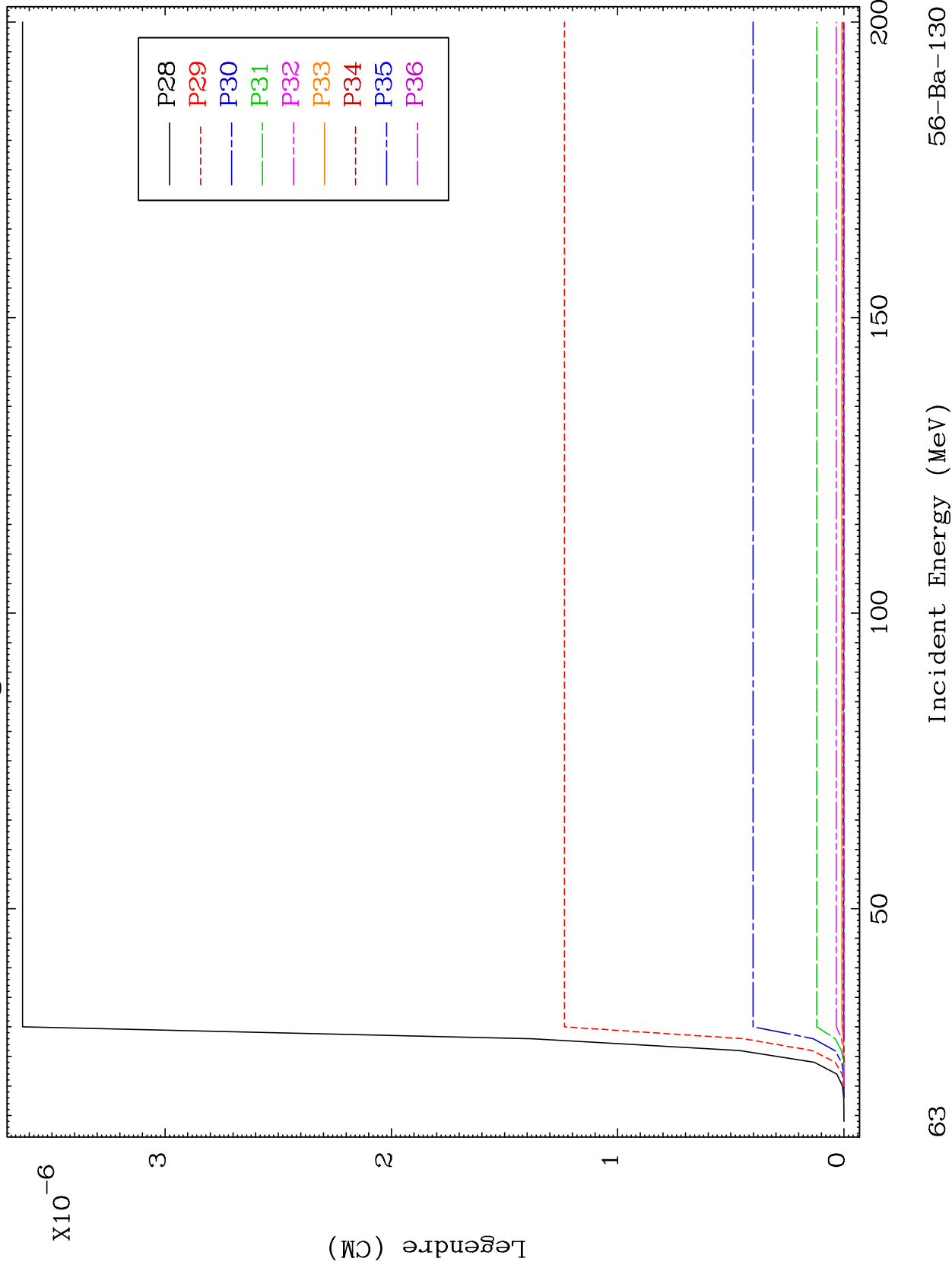




MAT 5625

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

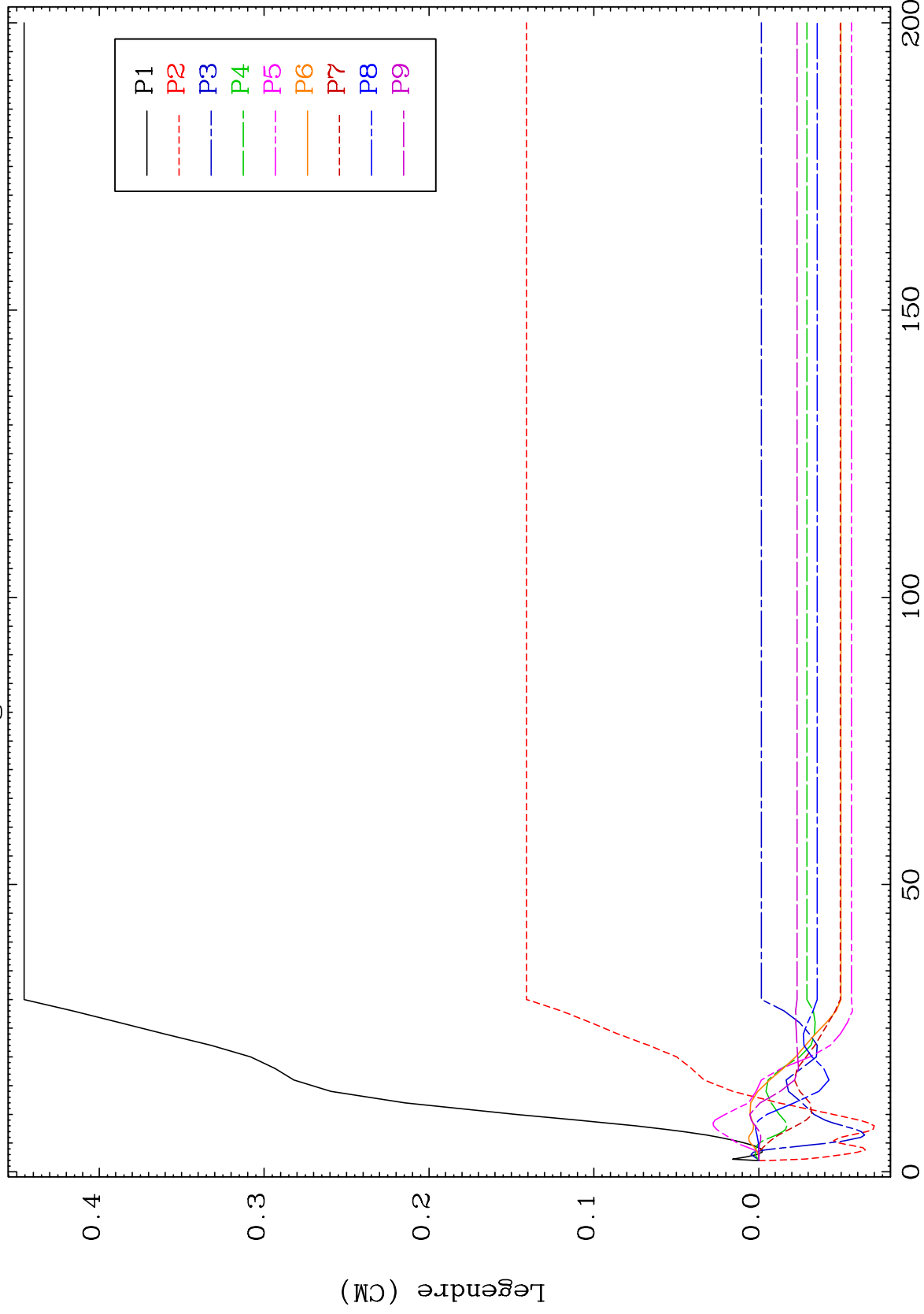
56-Ba-130



MAT 5625

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

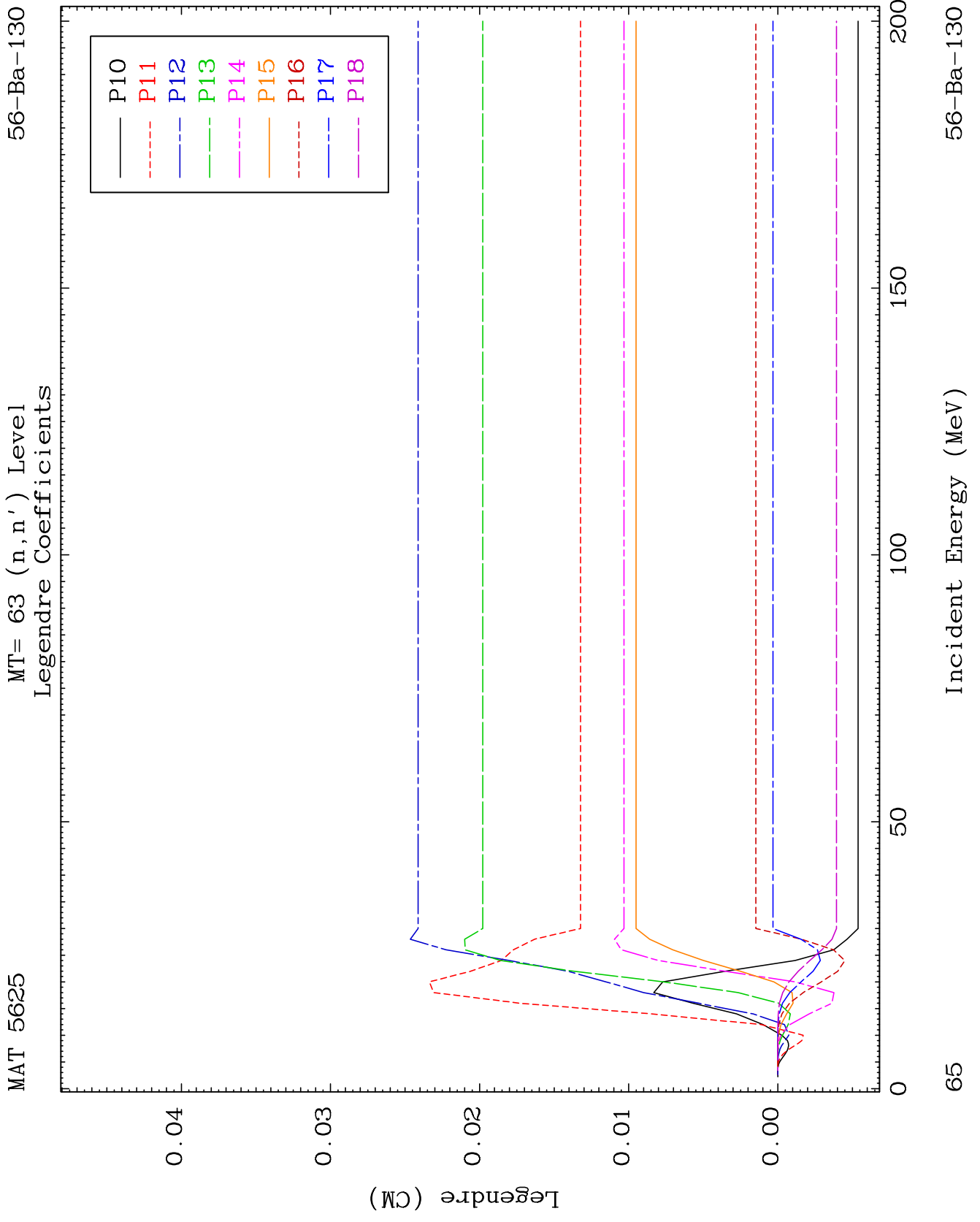
56-Ba-130



64

Incident Energy (MeV)

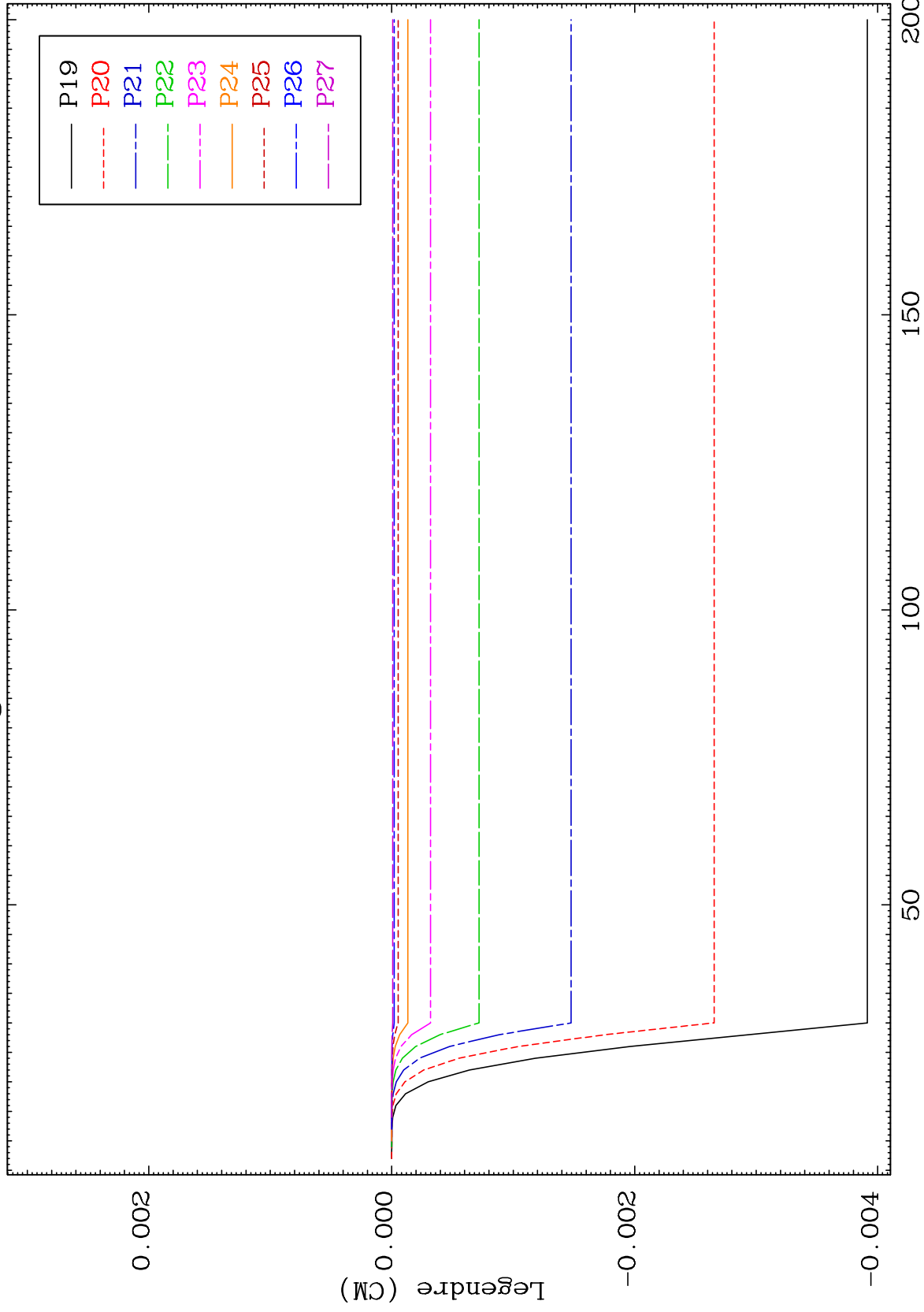
56-Ba-130



MAT 5625

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

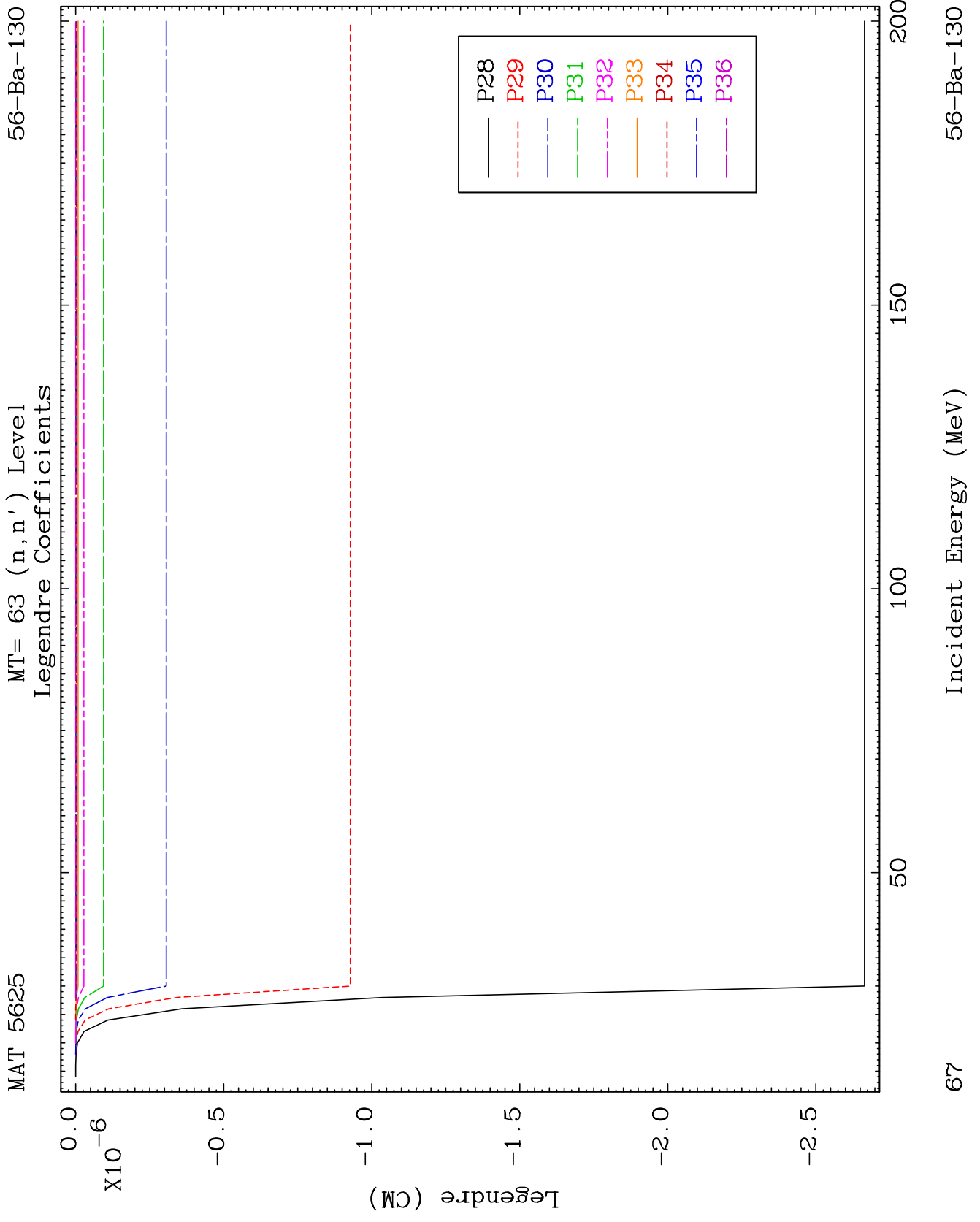
56-Ba-130



66

Incident Energy (MeV)

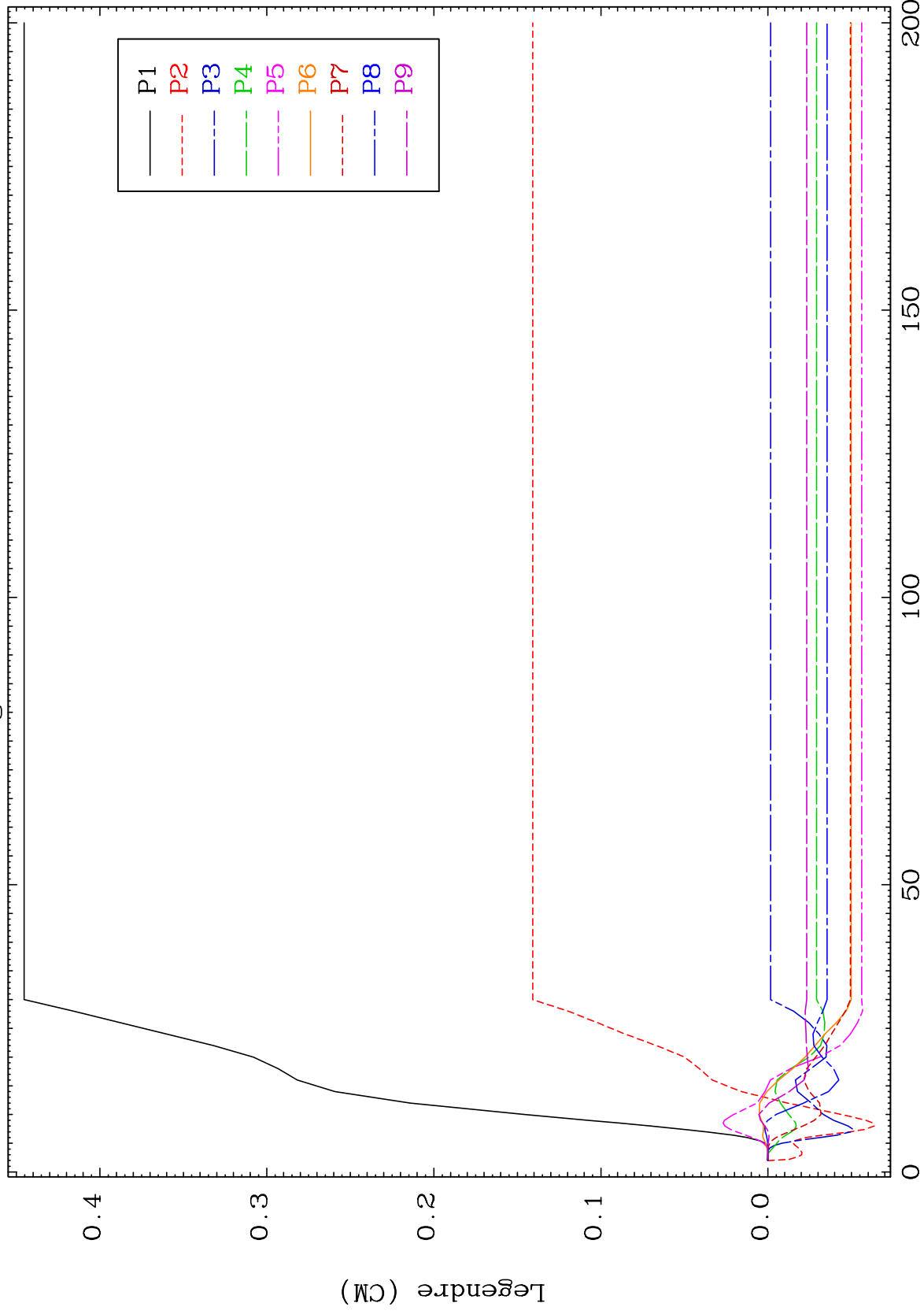
56-Ba-130



MAT 5625

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

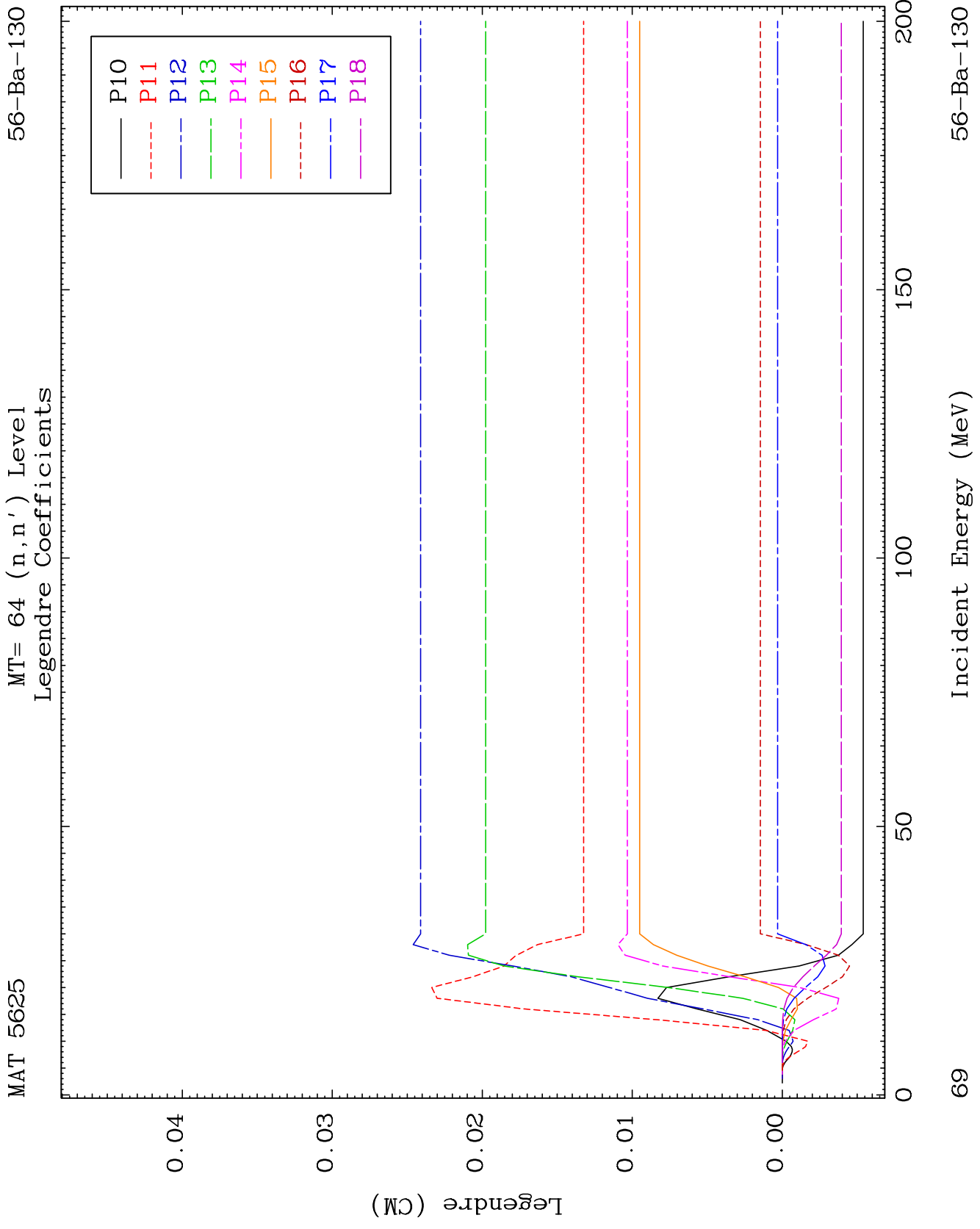
56-Ba-130



56-Ba-130

Incident Energy (MeV)

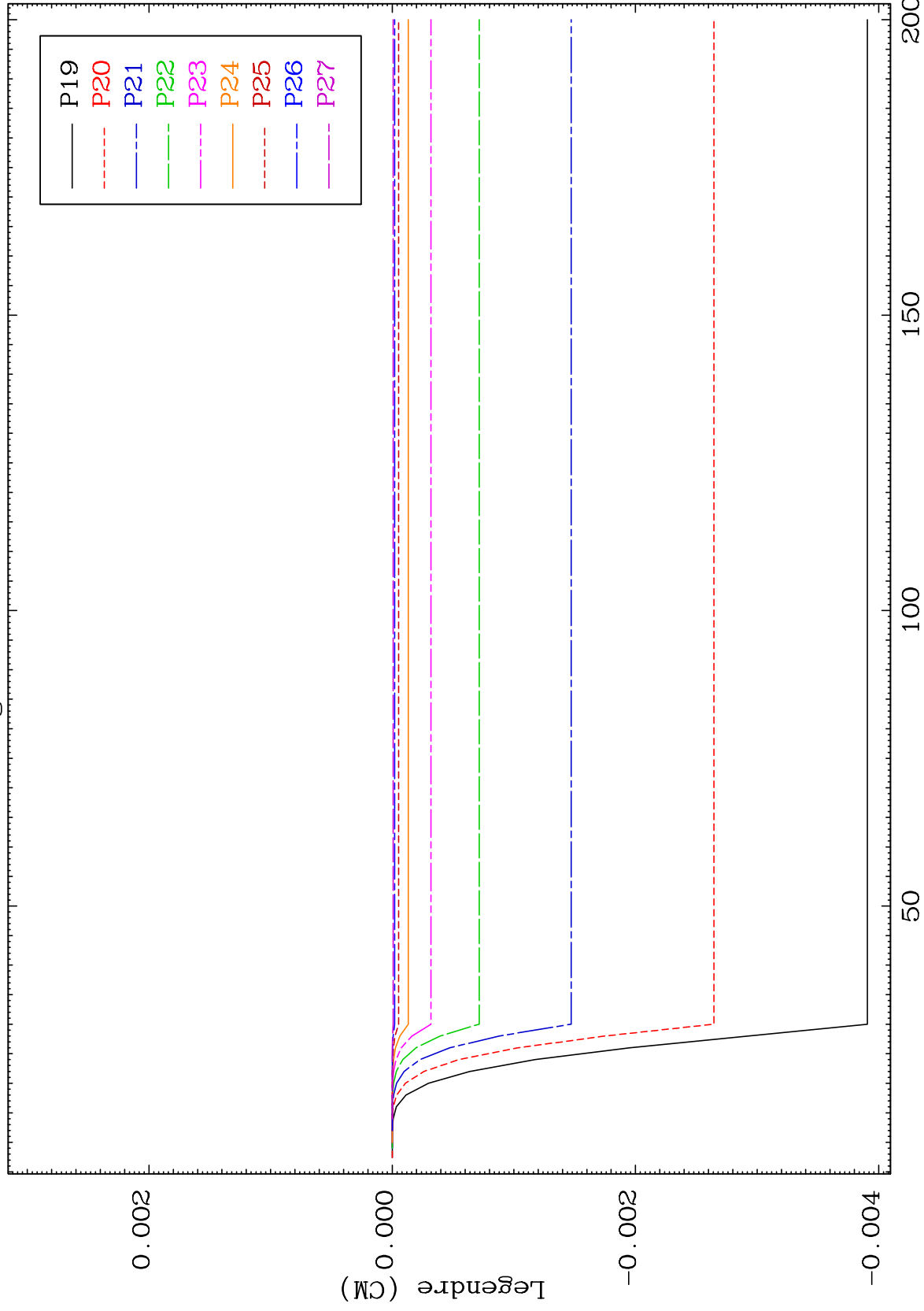
68



MAT 5625

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

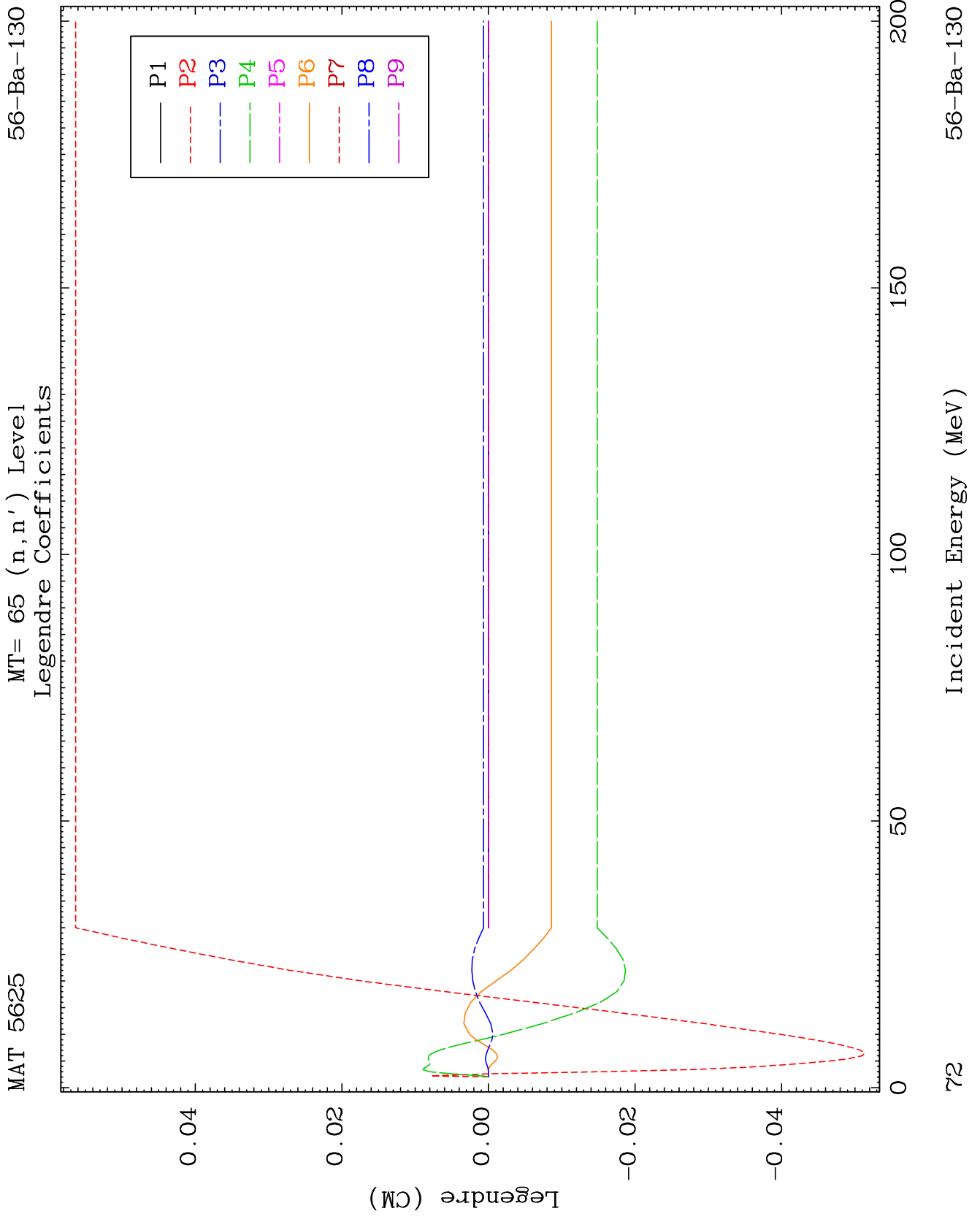
56-Ba-130



70

Incident Energy (MeV)

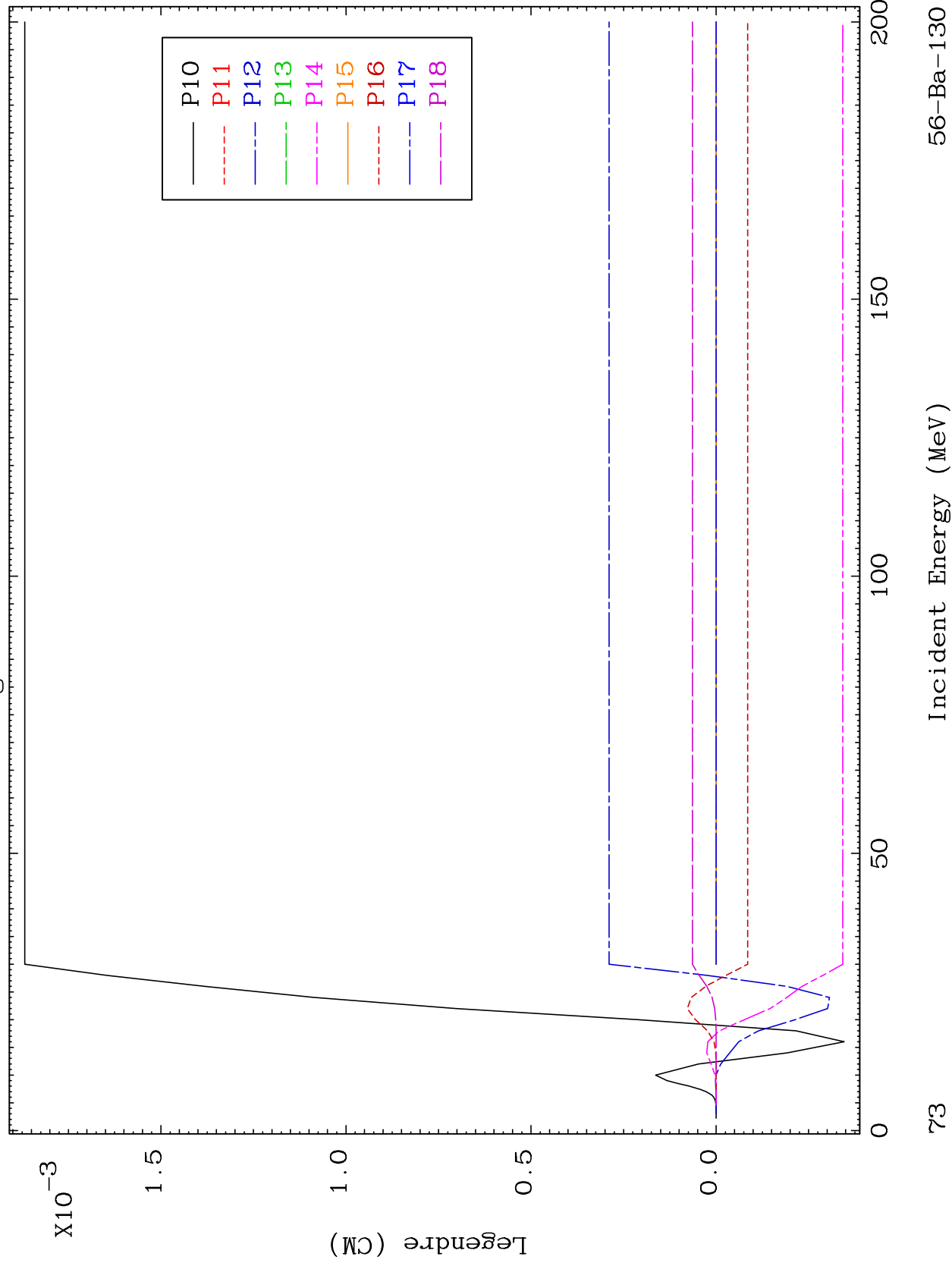
56-Ba-130



MAT 5625

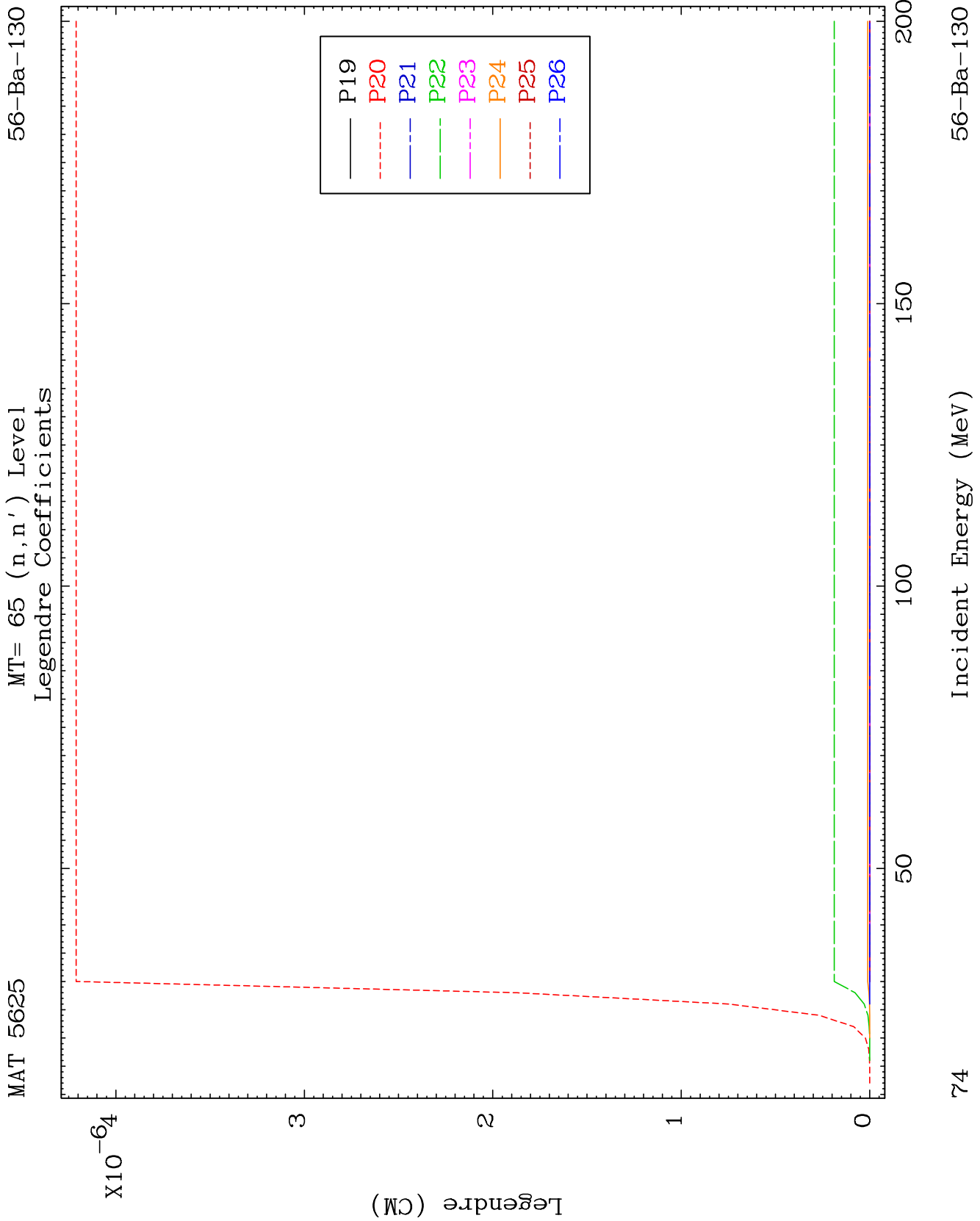
MT= 65 (n,n') Level
Legendre Coefficients

56-Ba-130



73

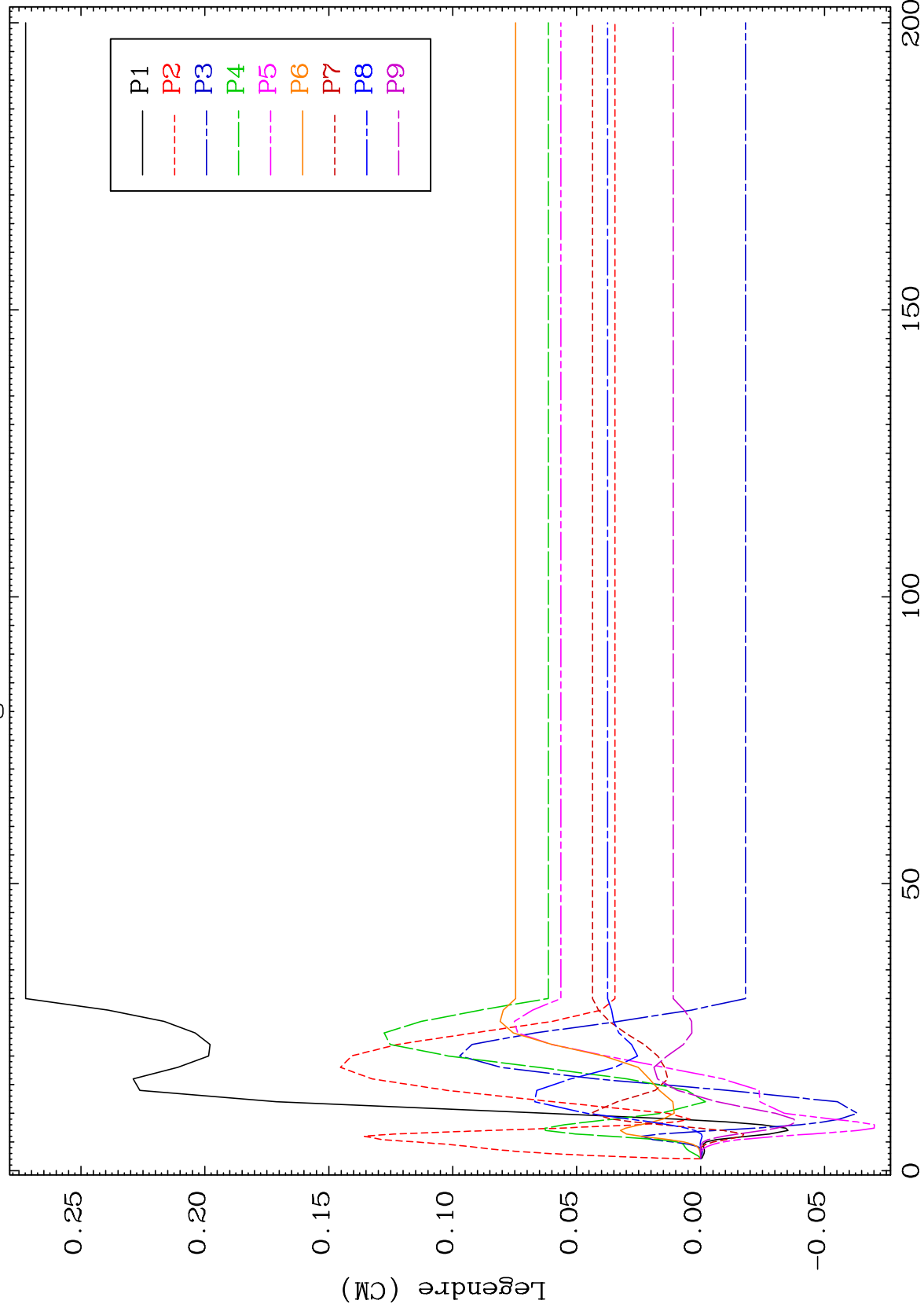
56-Ba-130



MAT 5625

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

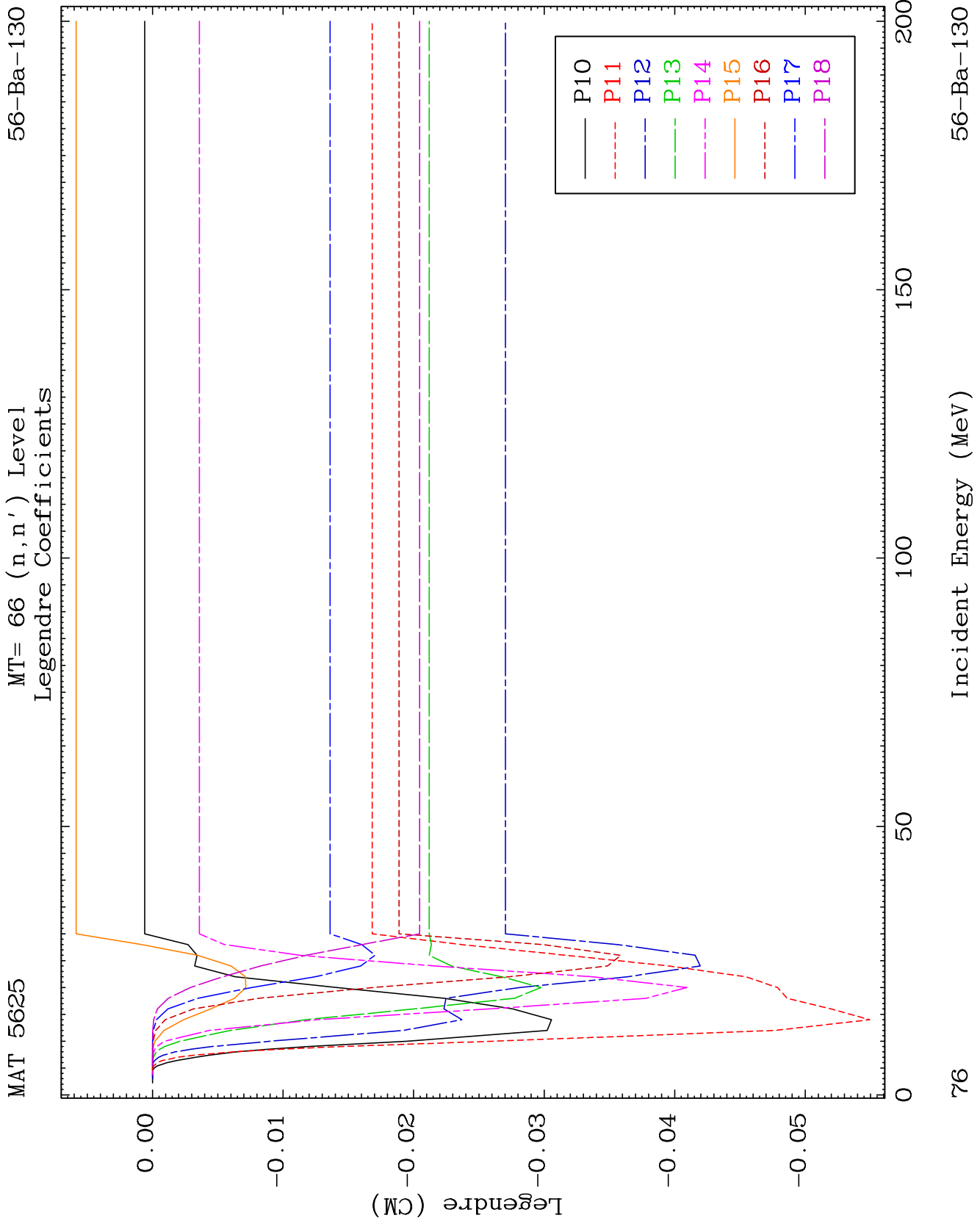
56-Ba-130

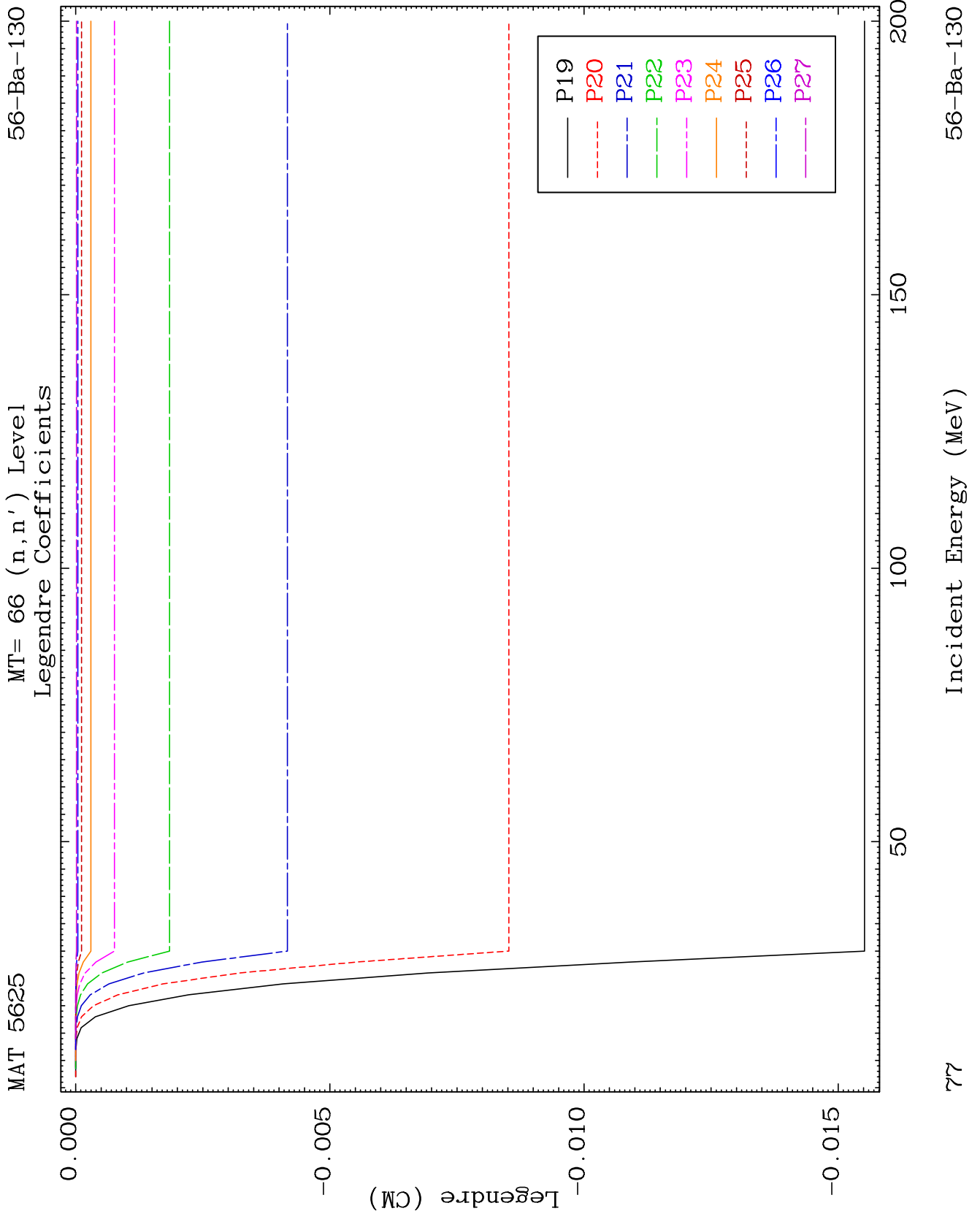


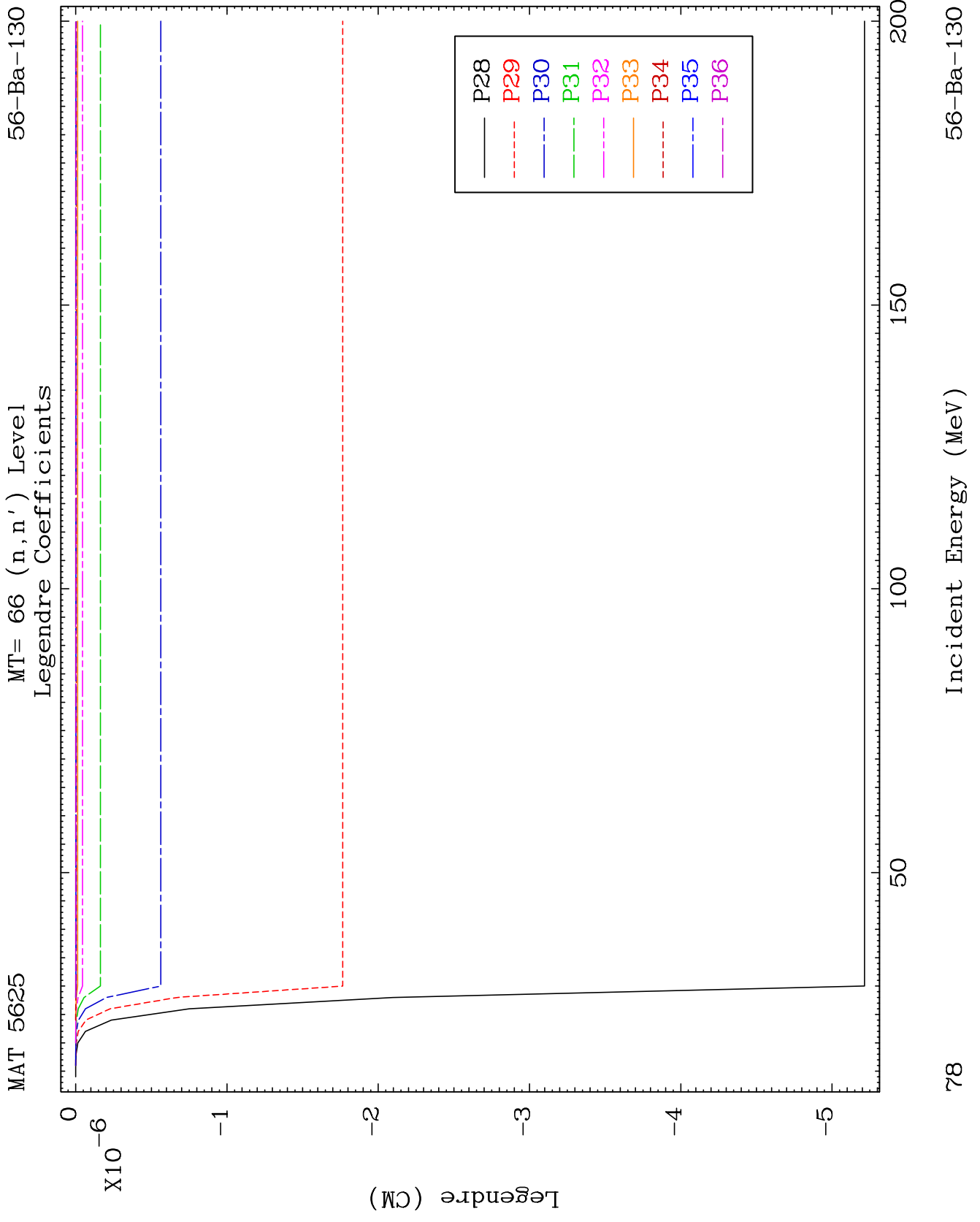
56-Ba-130

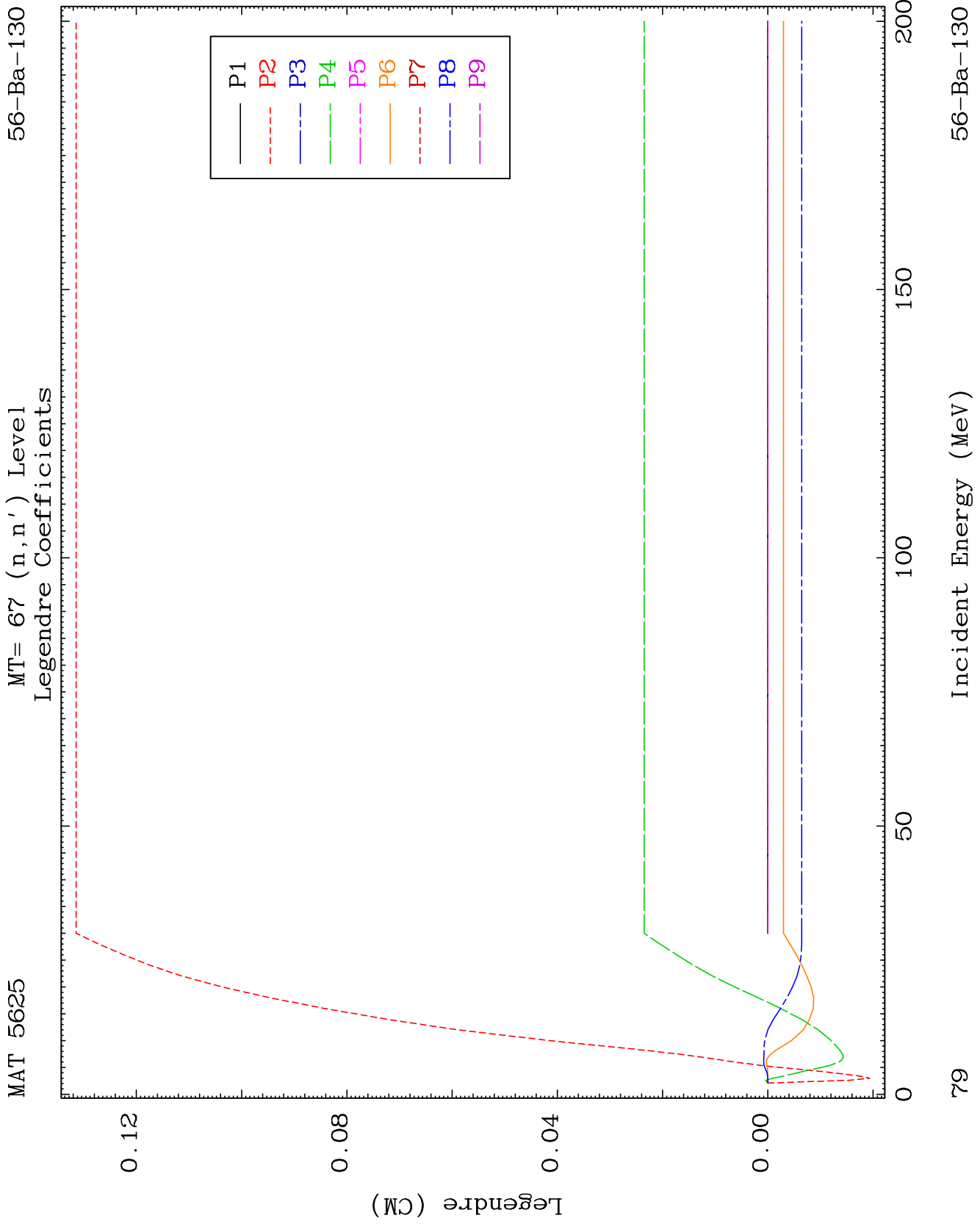
Incident Energy (MeV)

75





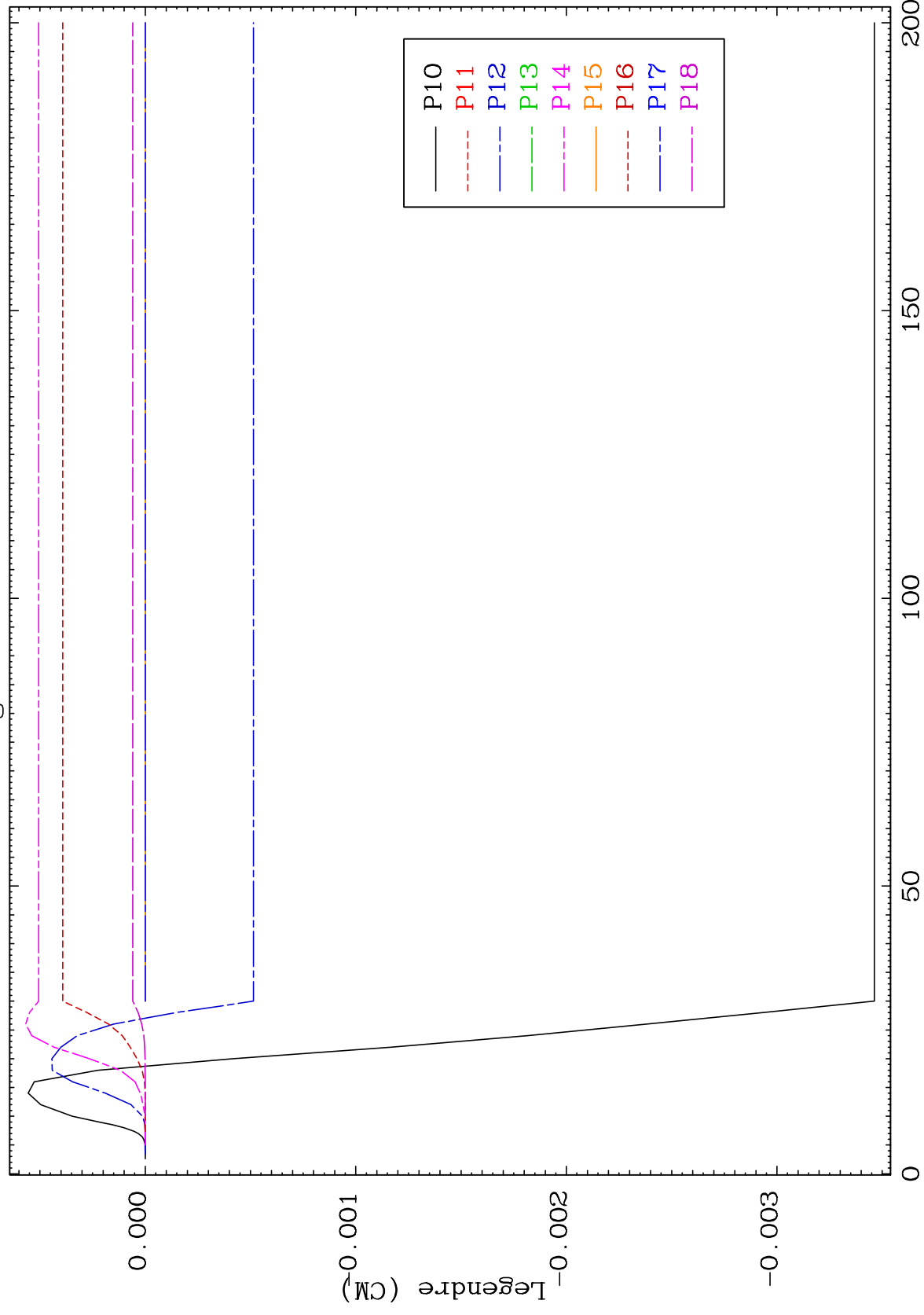




MAT 5625

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

56-Ba-130



80

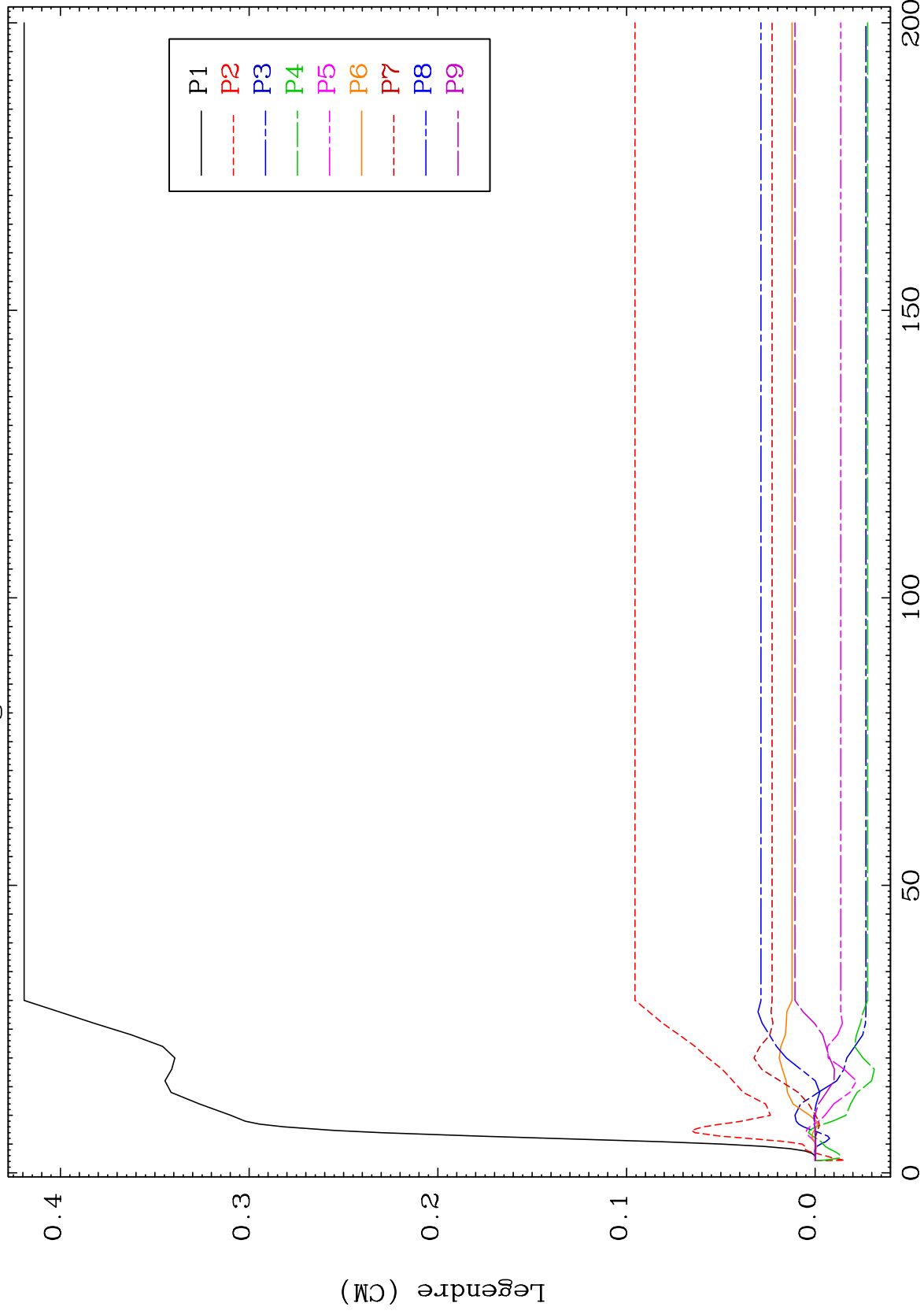
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



82

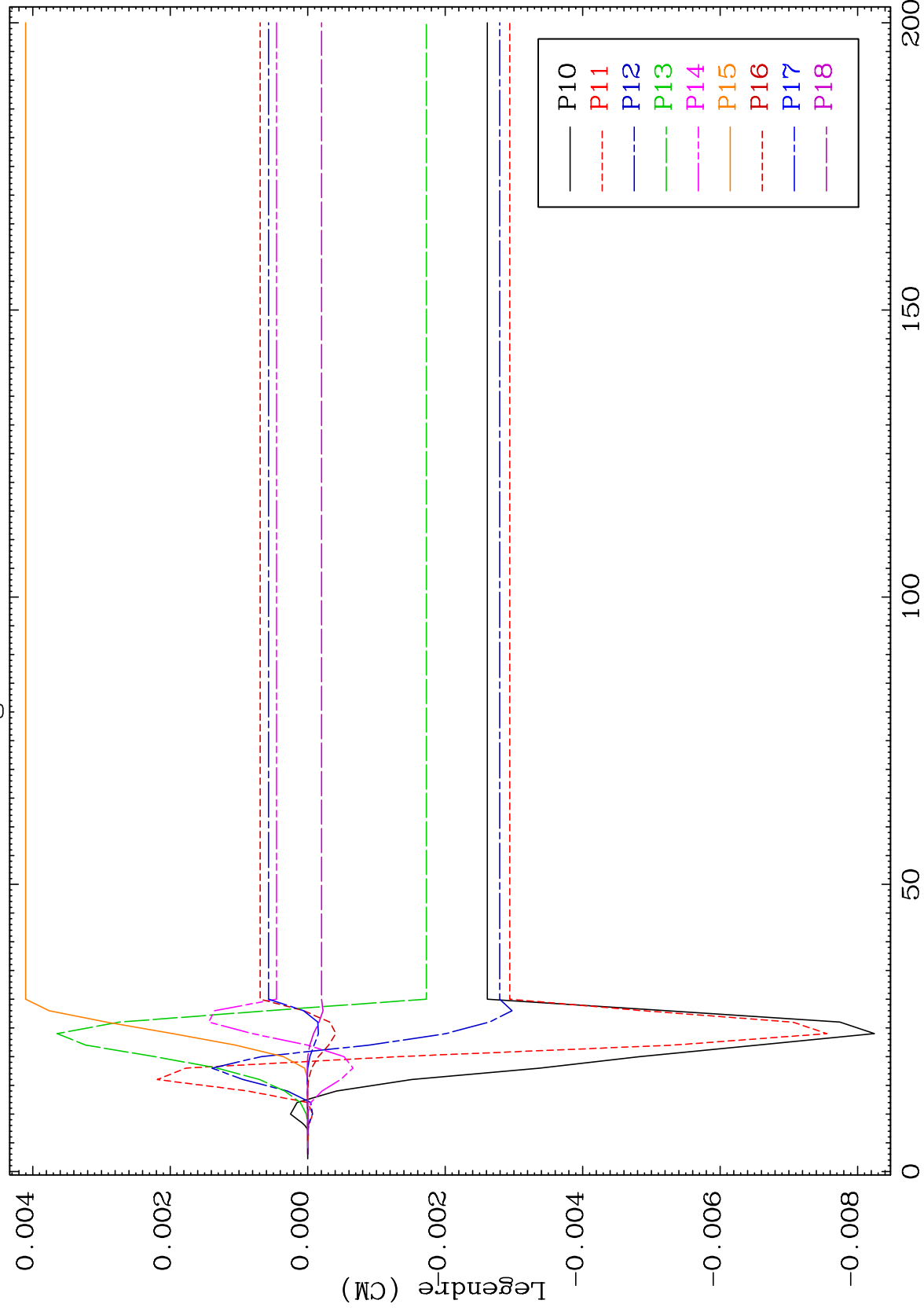
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

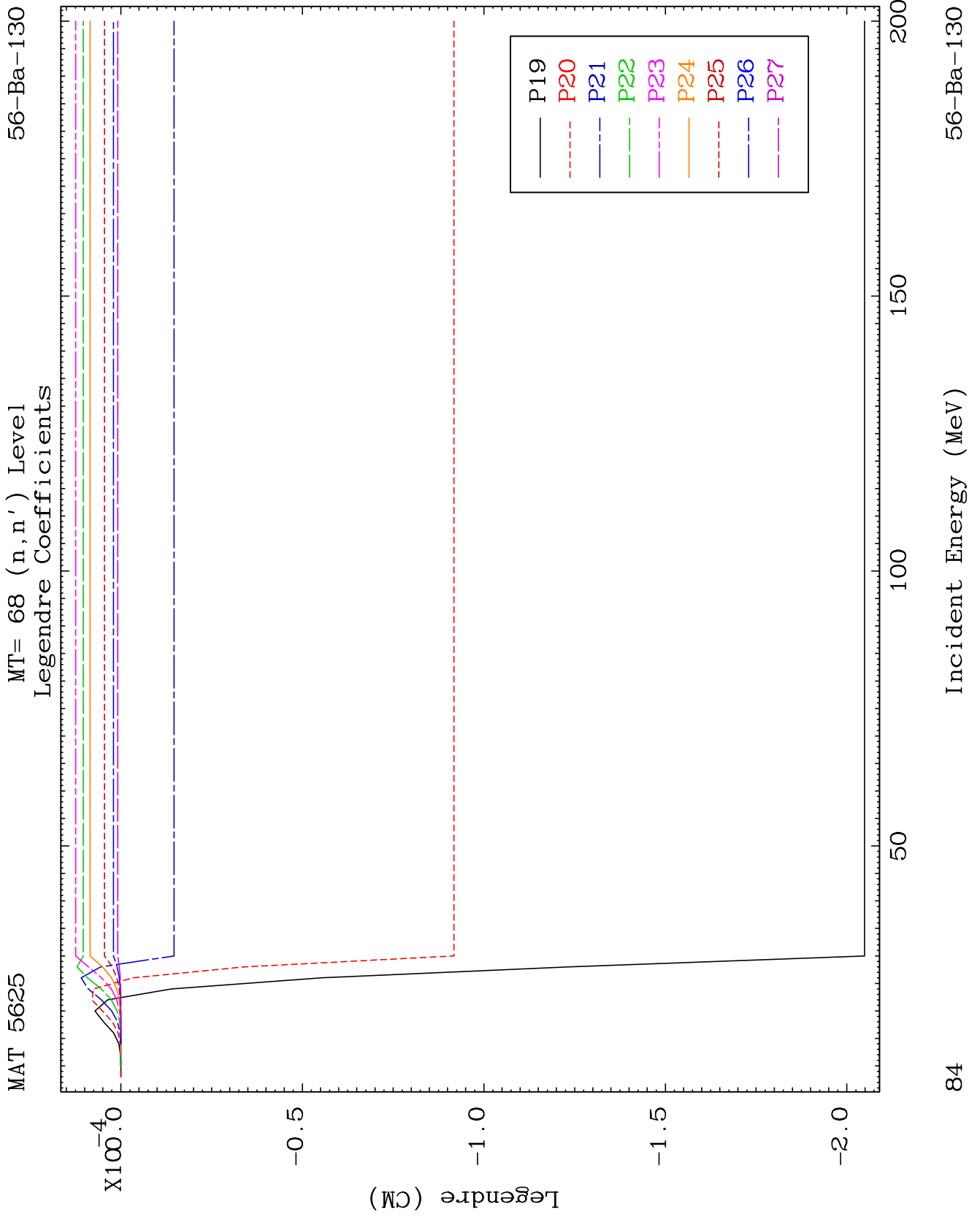
56-Ba-130



83

Incident Energy (MeV)

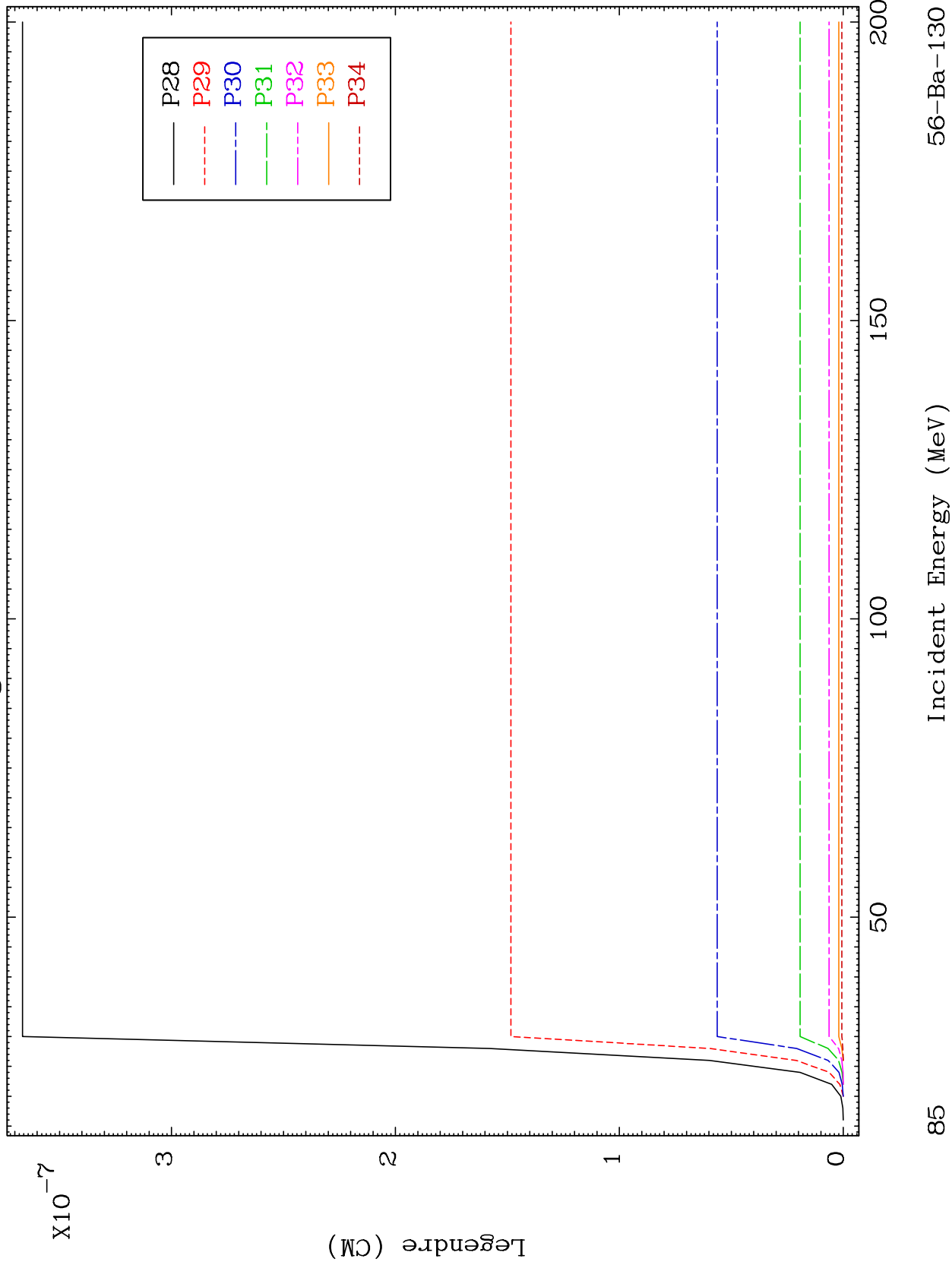
56-Ba-130



MAT 5625

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

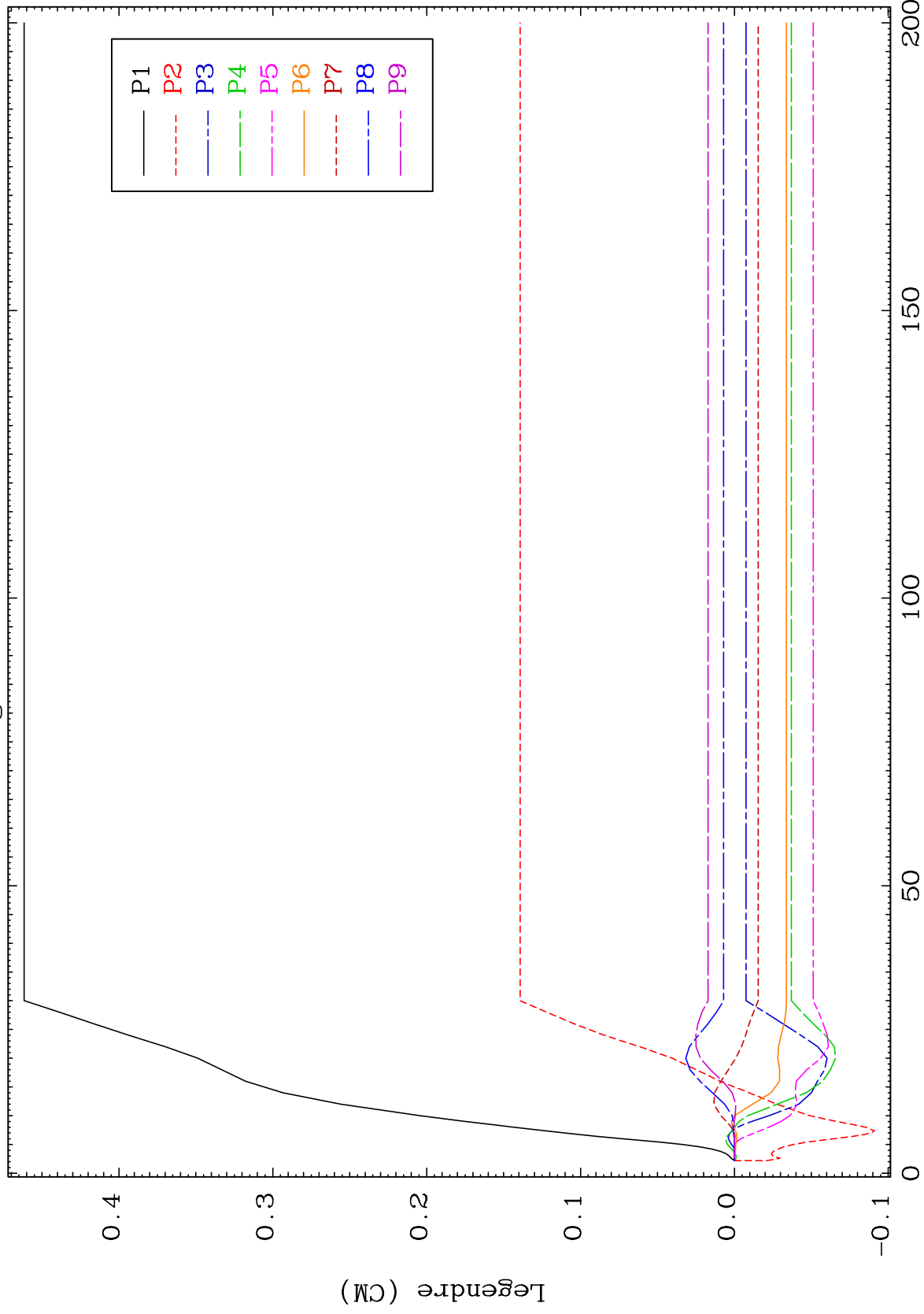
56-Ba-130



MAT 5625

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

56-Ba-130



86

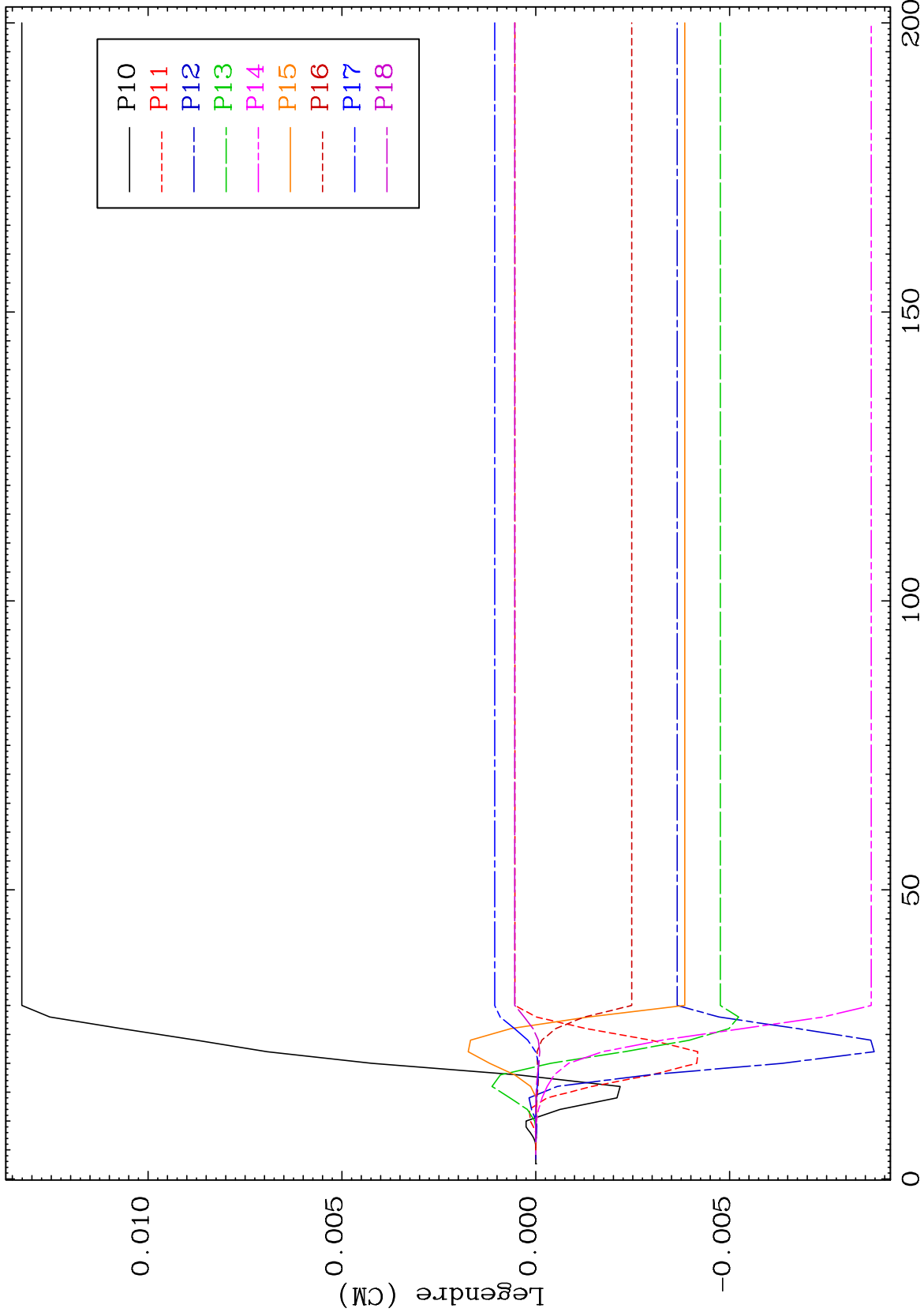
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

56-Ba-130



87

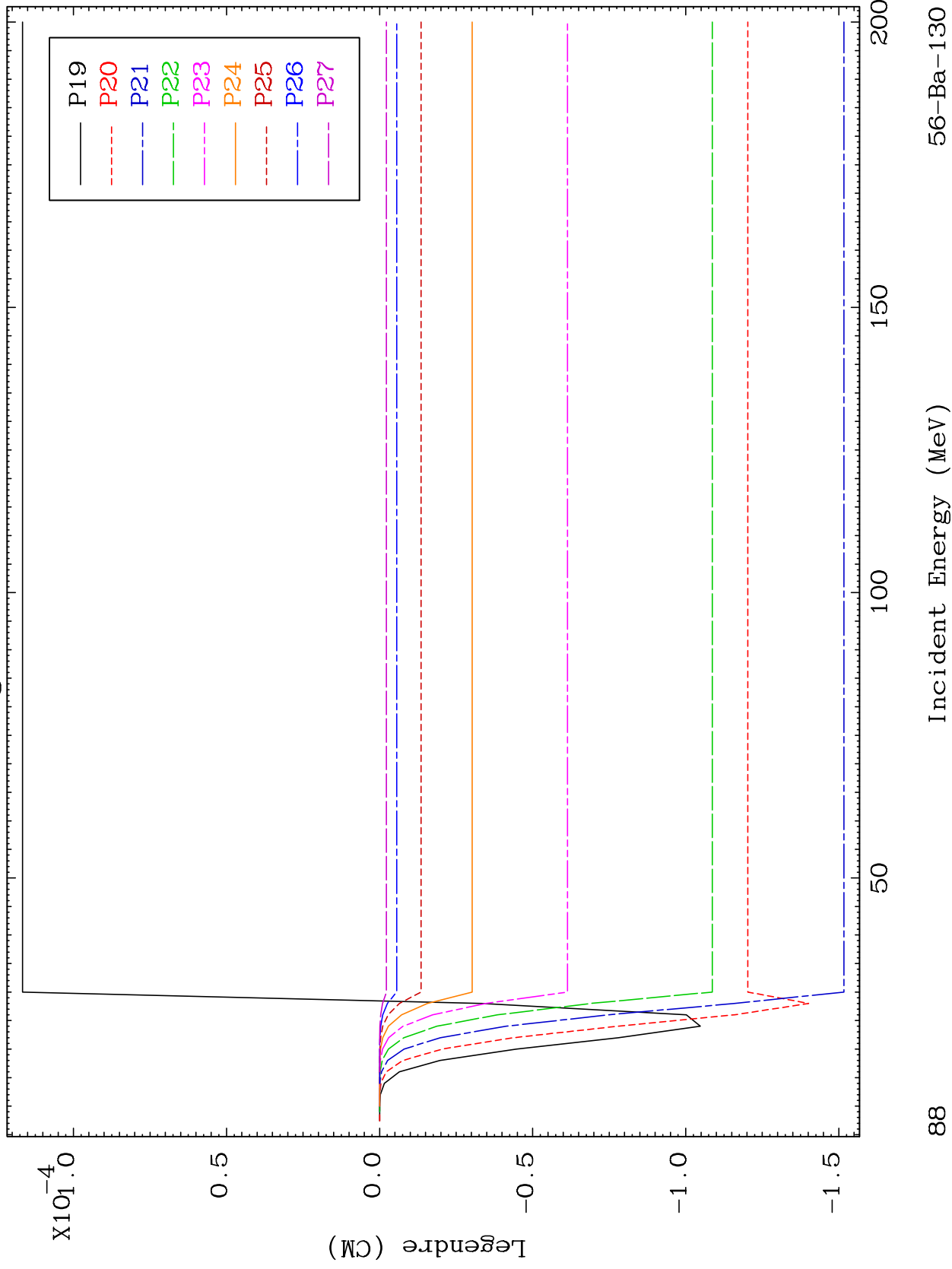
Incident Energy (MeV)

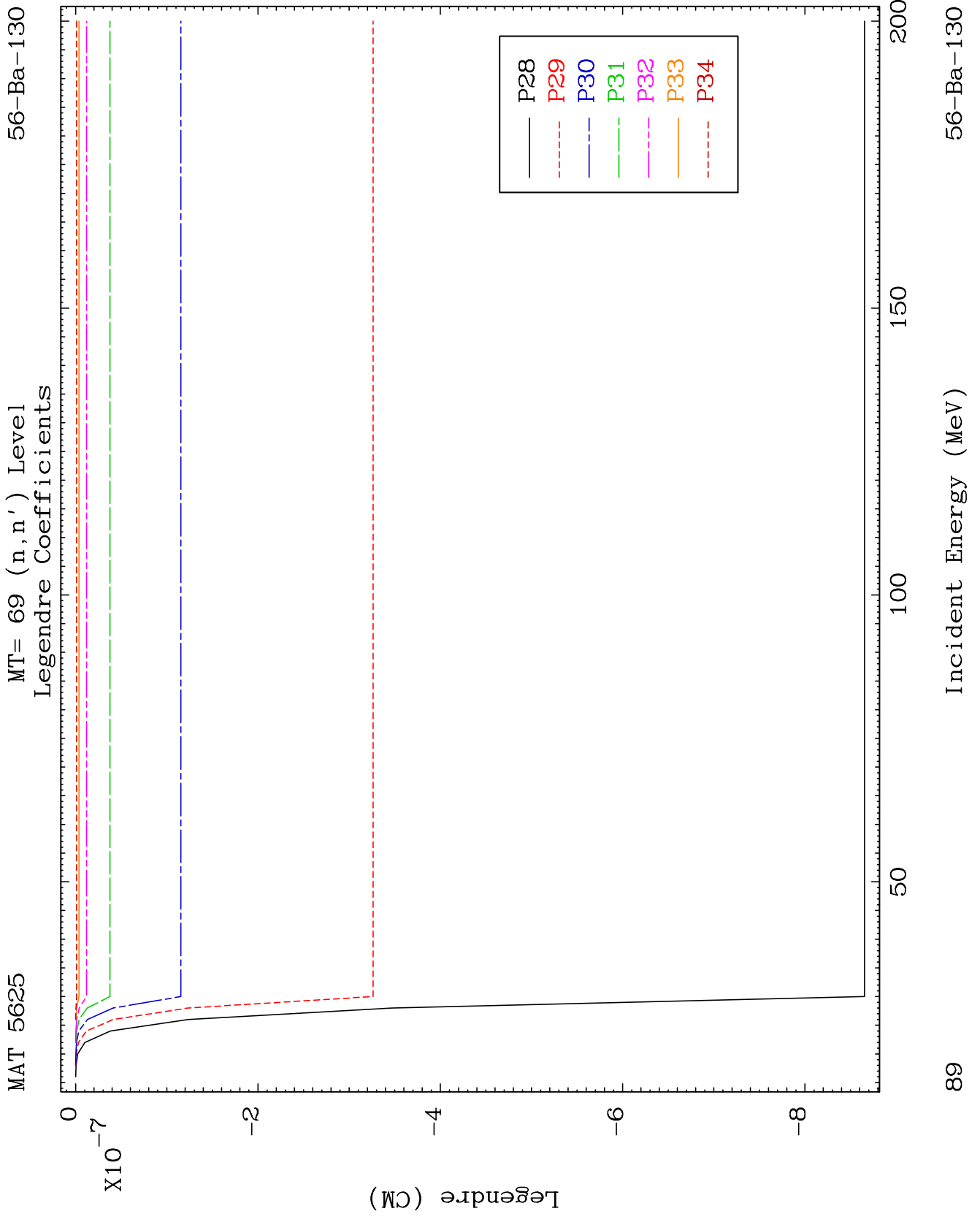
56-Ba-130

MAT 5625

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

56-Ba-130

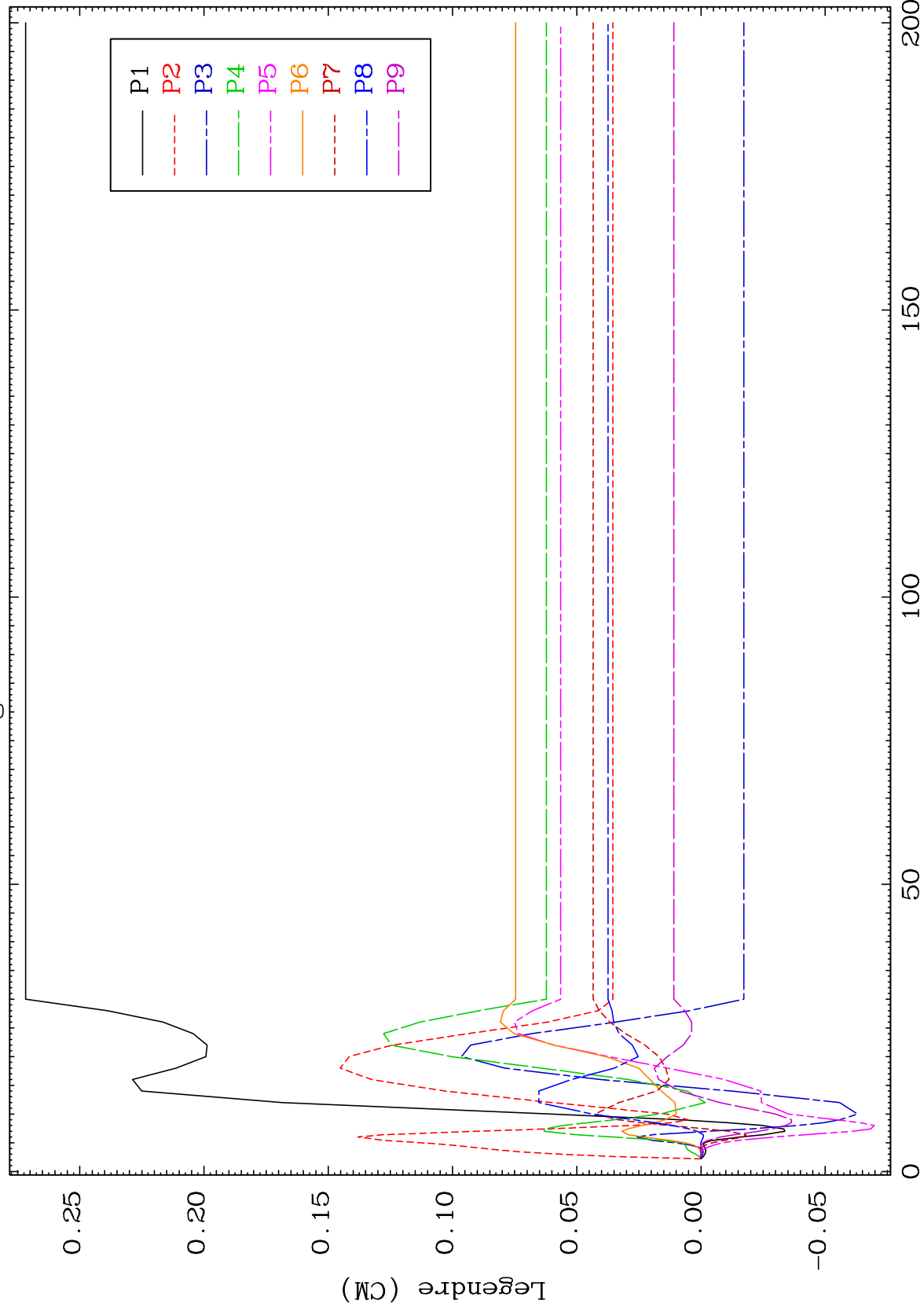




MAT 5625

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

56-Ba-130



56-Ba-130

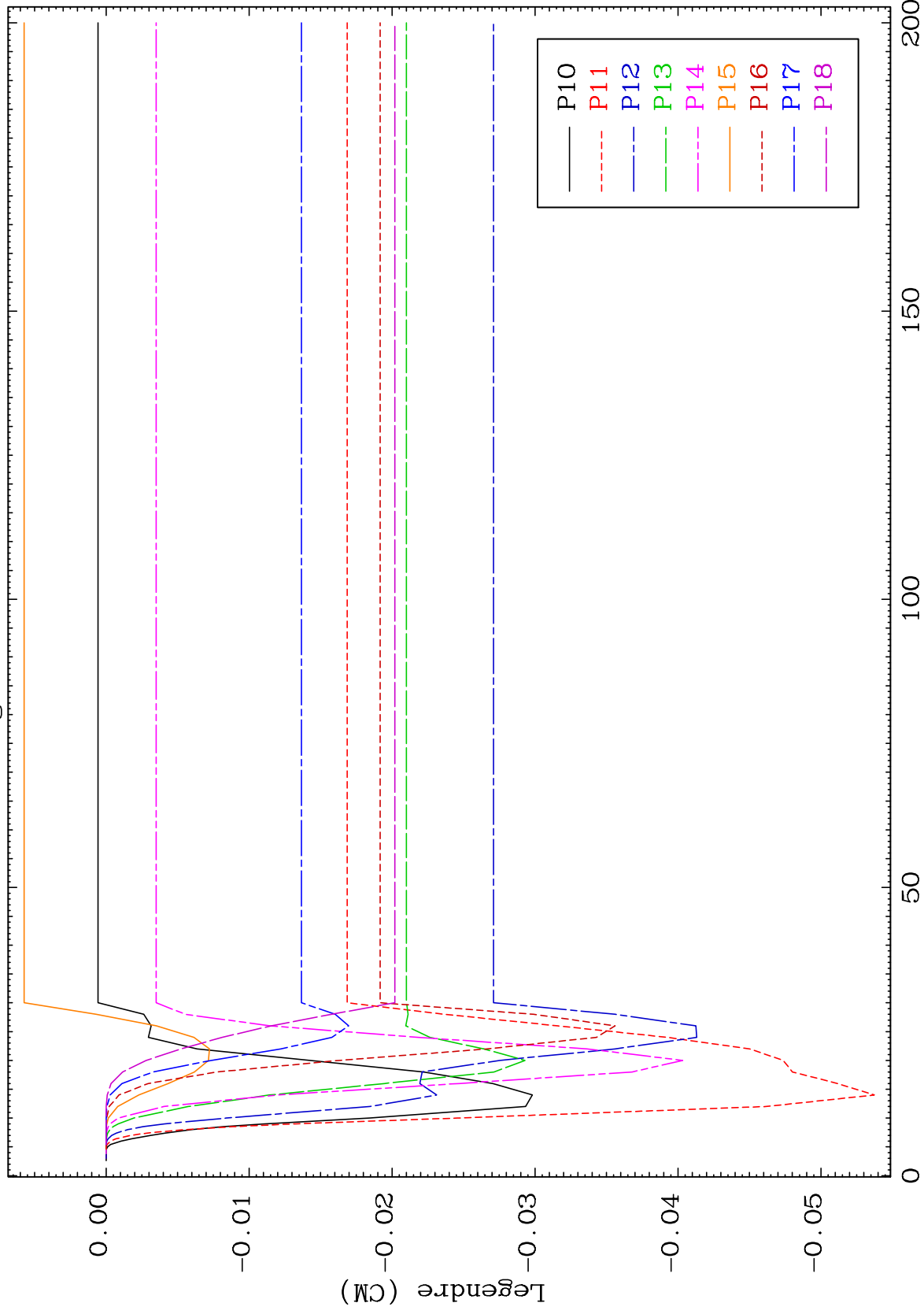
Incident Energy (MeV)

90

MAT 5625

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

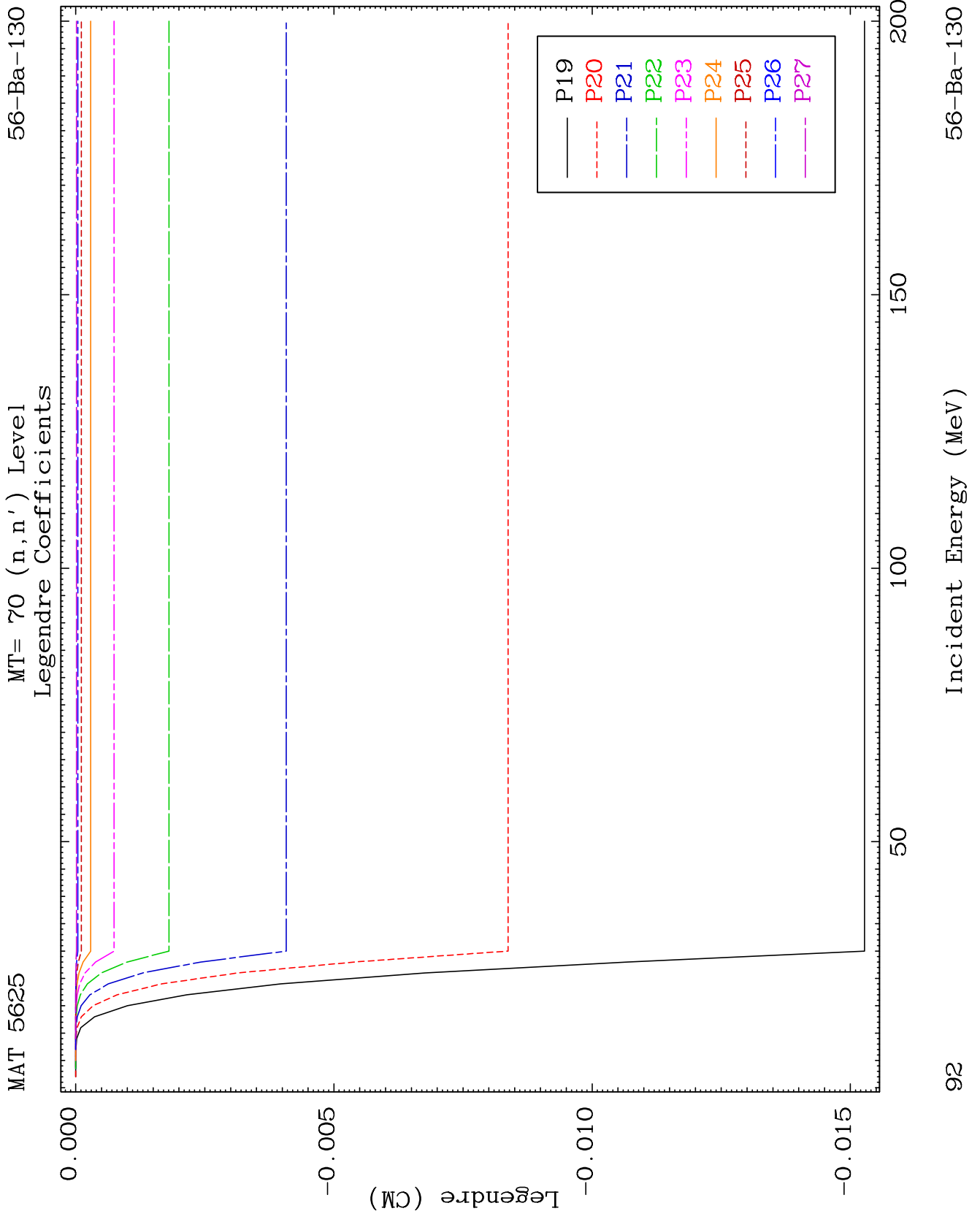
56-Ba-130

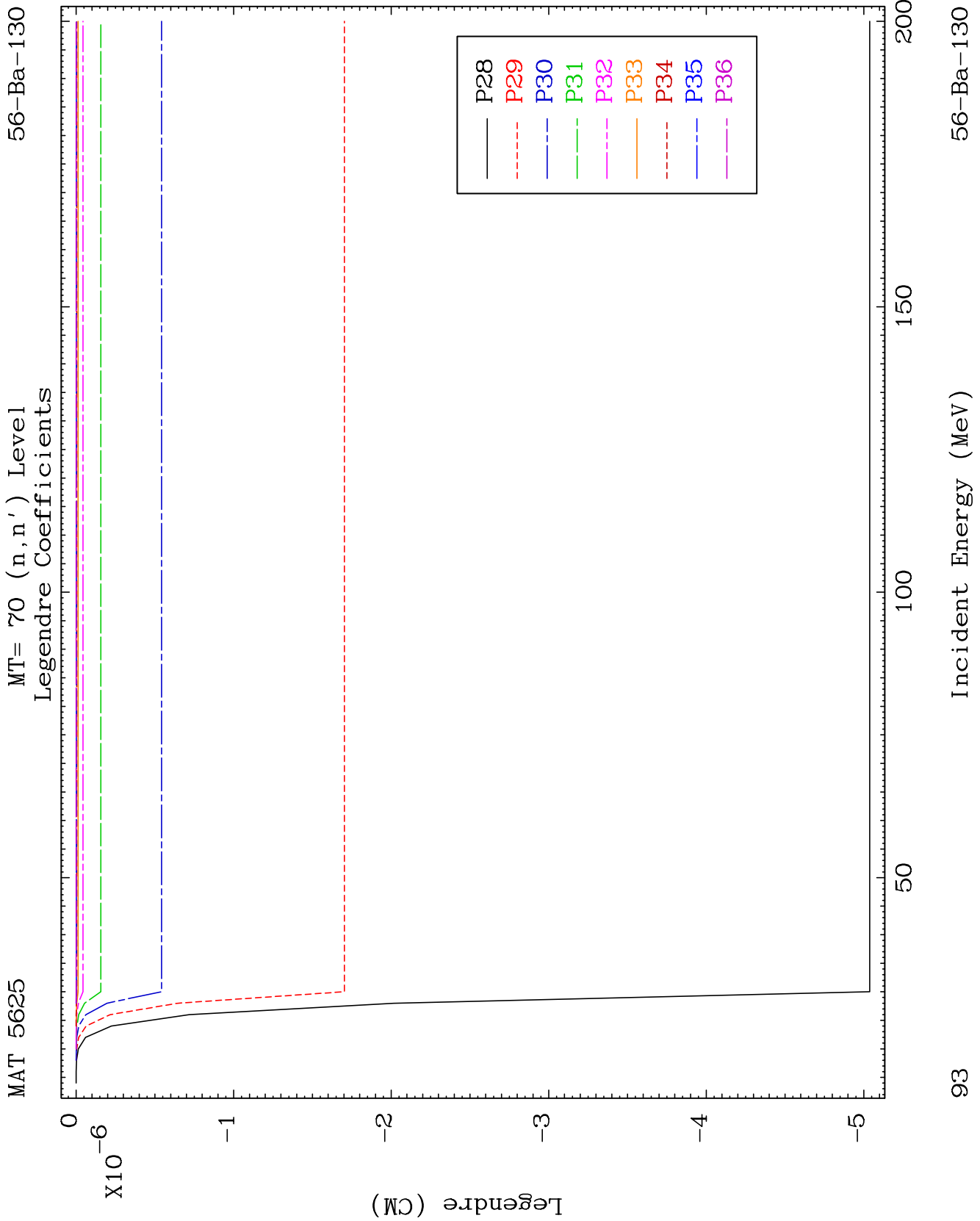


91

Incident Energy (MeV)

56-Ba-130

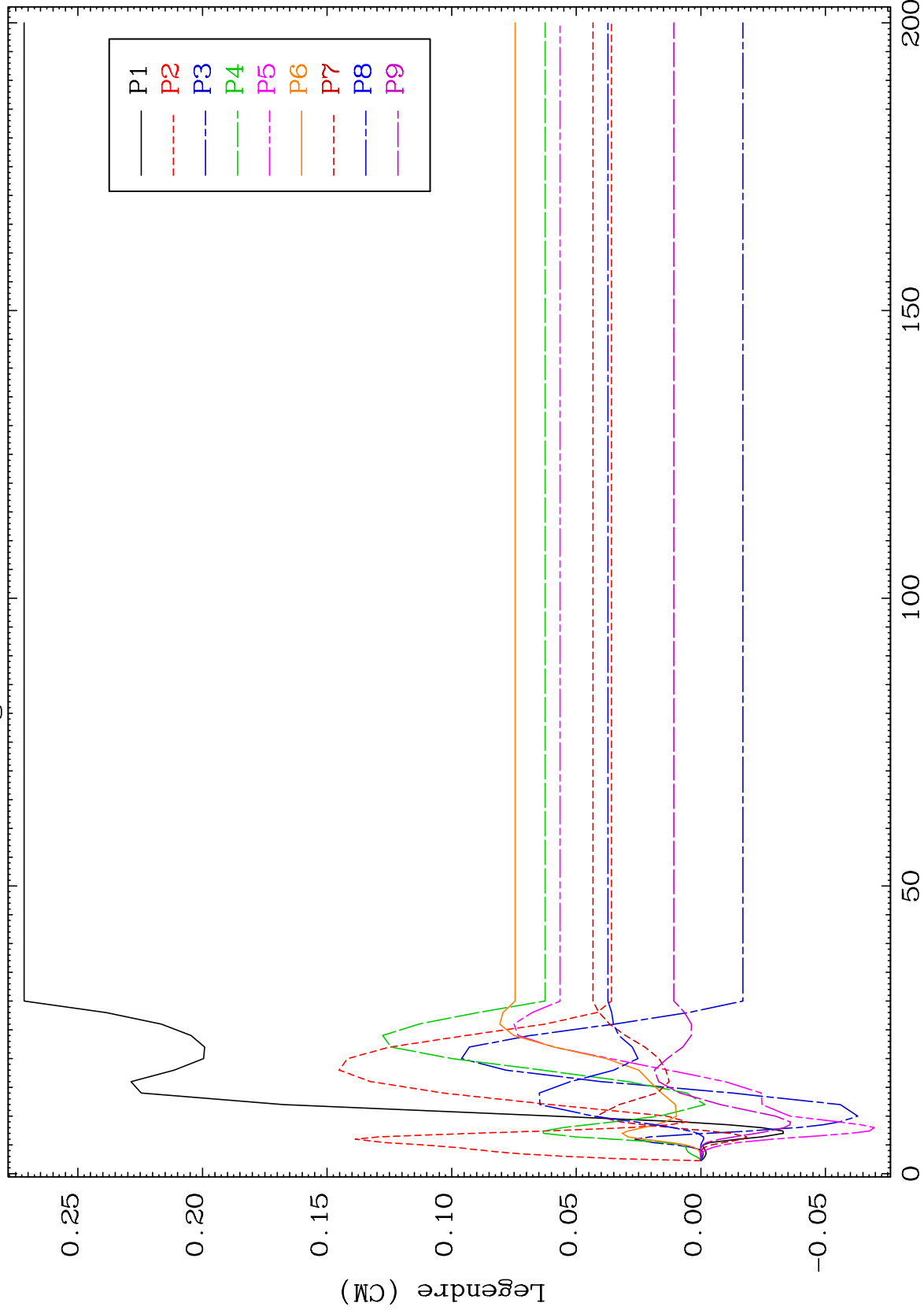




MAT 5625

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

56-Ba-130



94

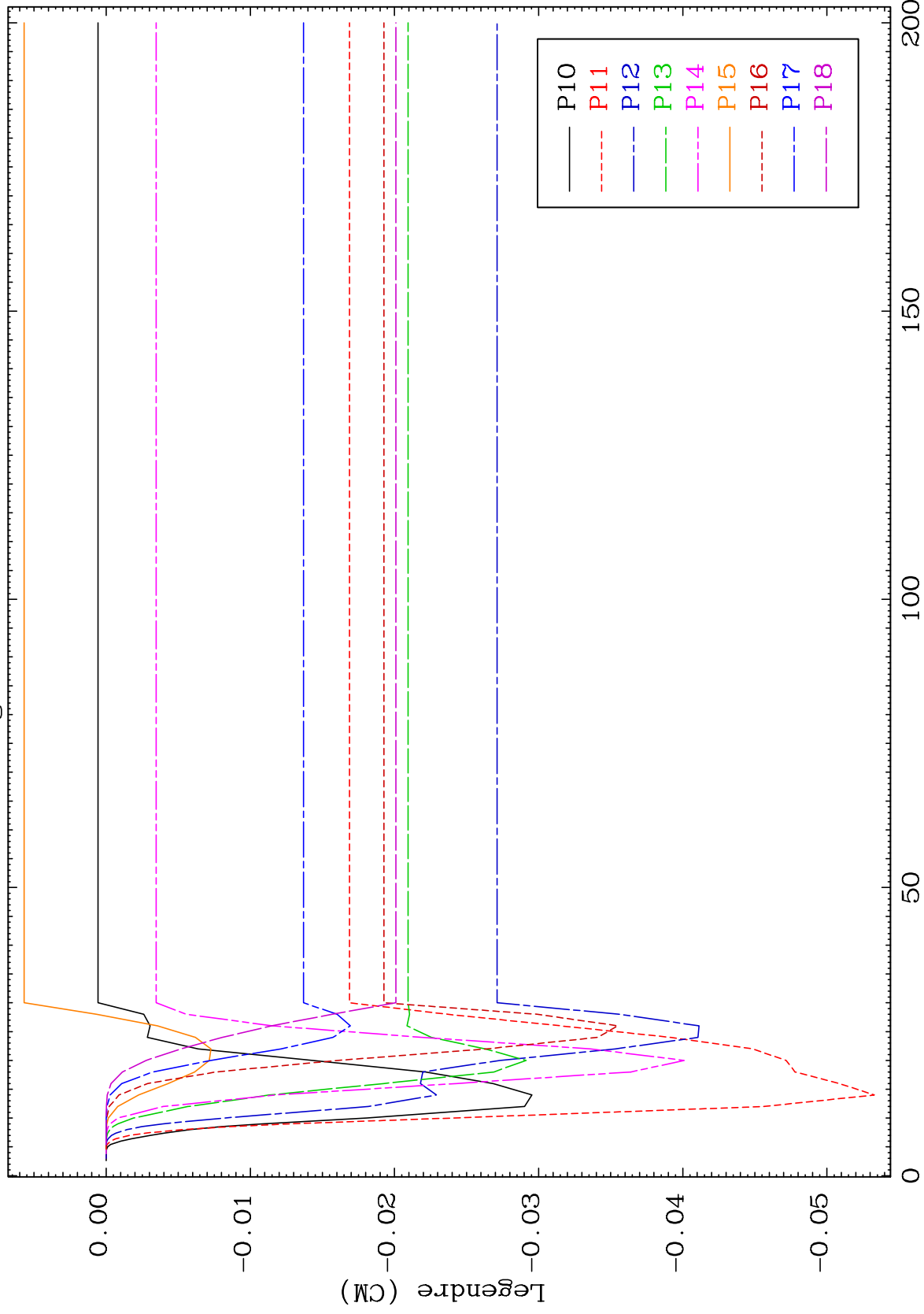
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

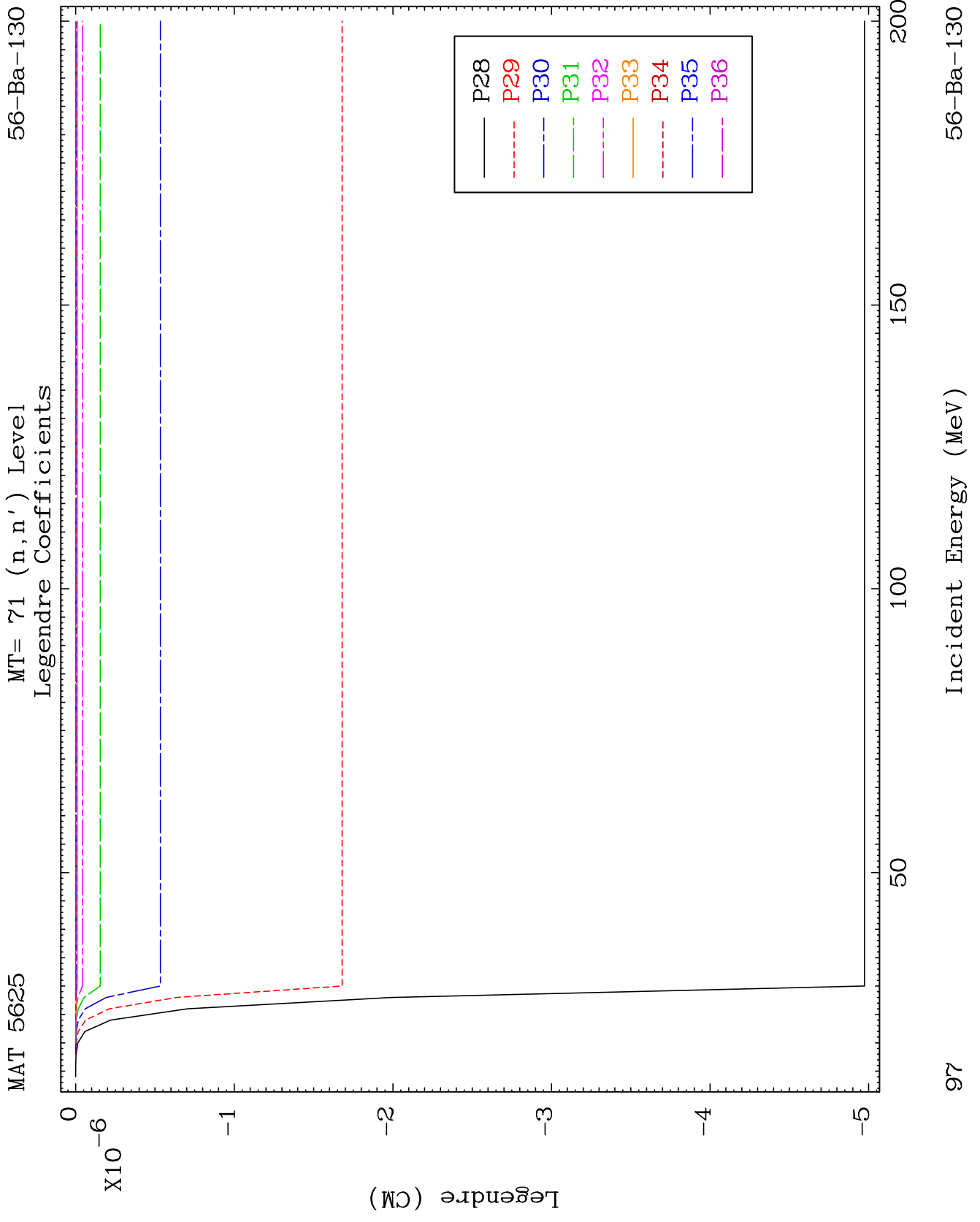
56-Ba-130



95

Incident Energy (MeV)

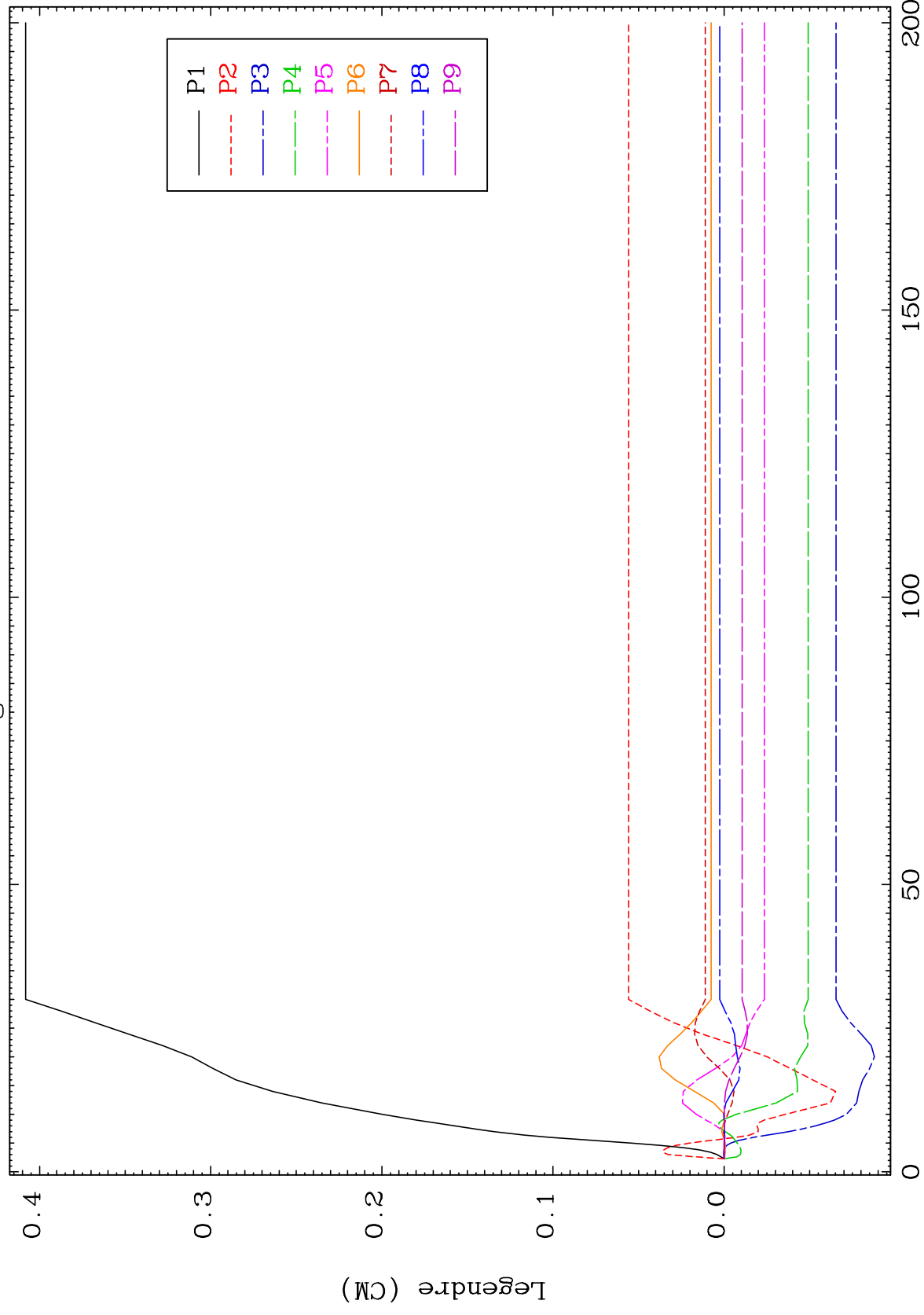
56-Ba-130



MAT 5625

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

56-Ba-130



98

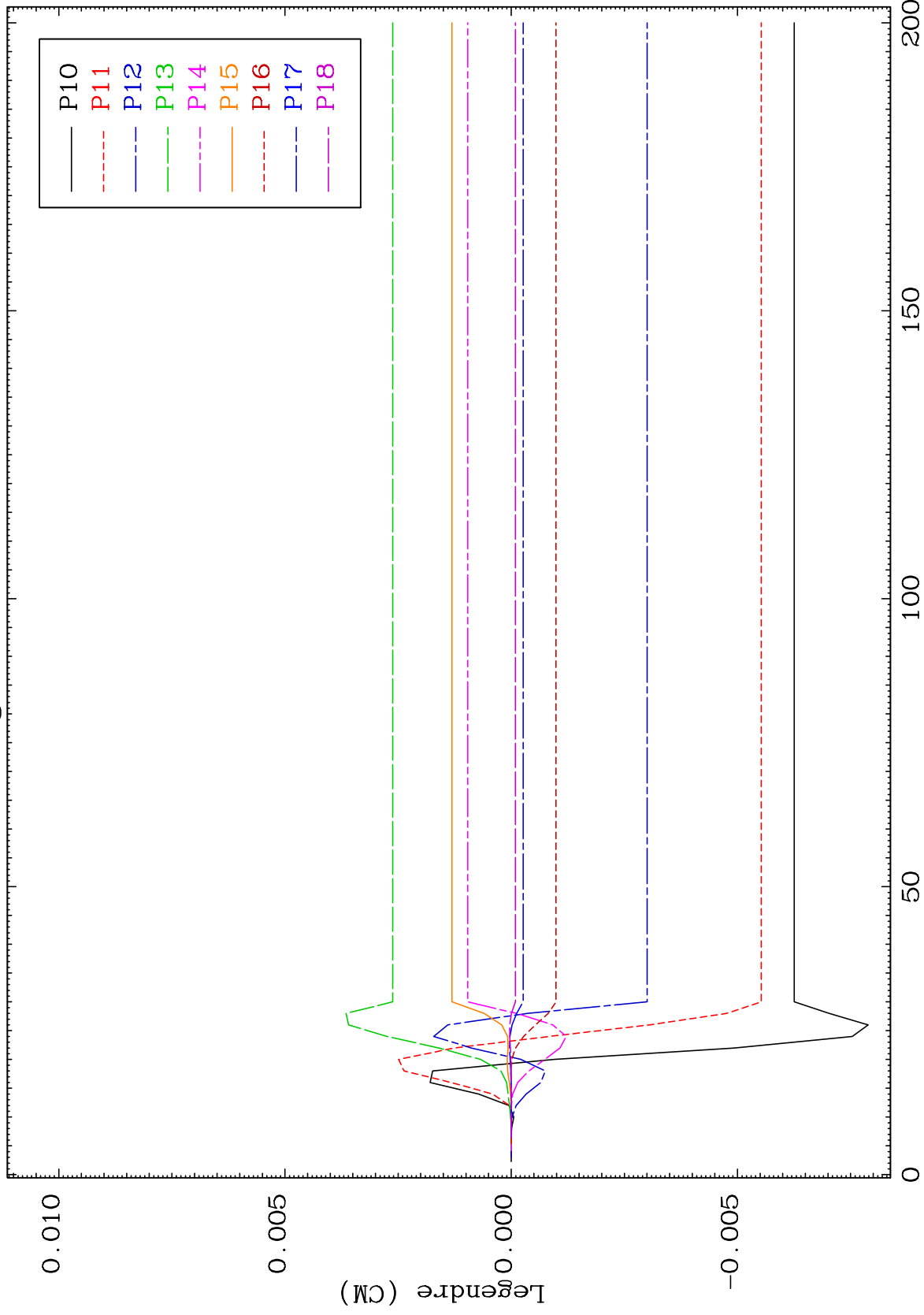
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

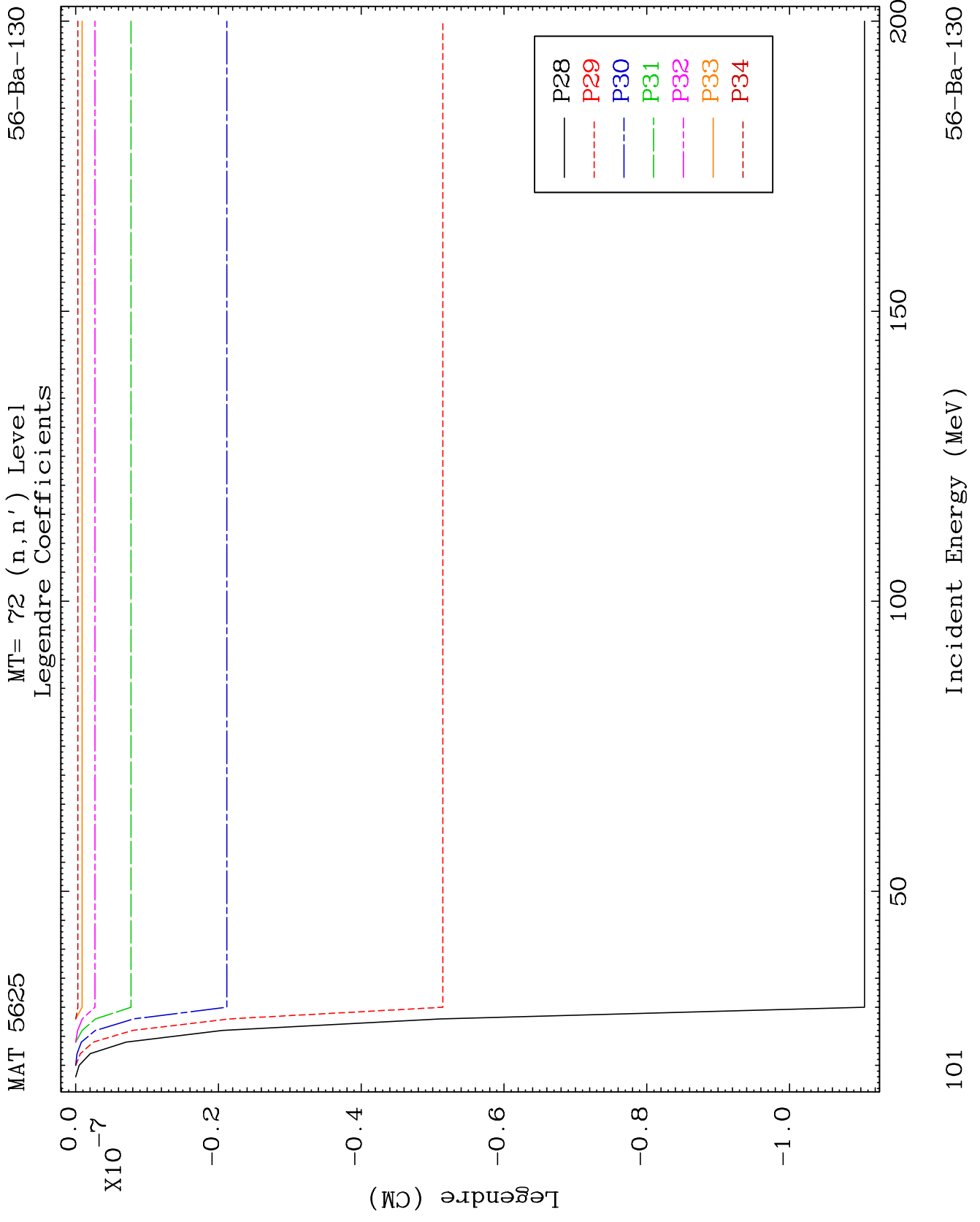
56-Ba-130



99

Incident Energy (MeV)

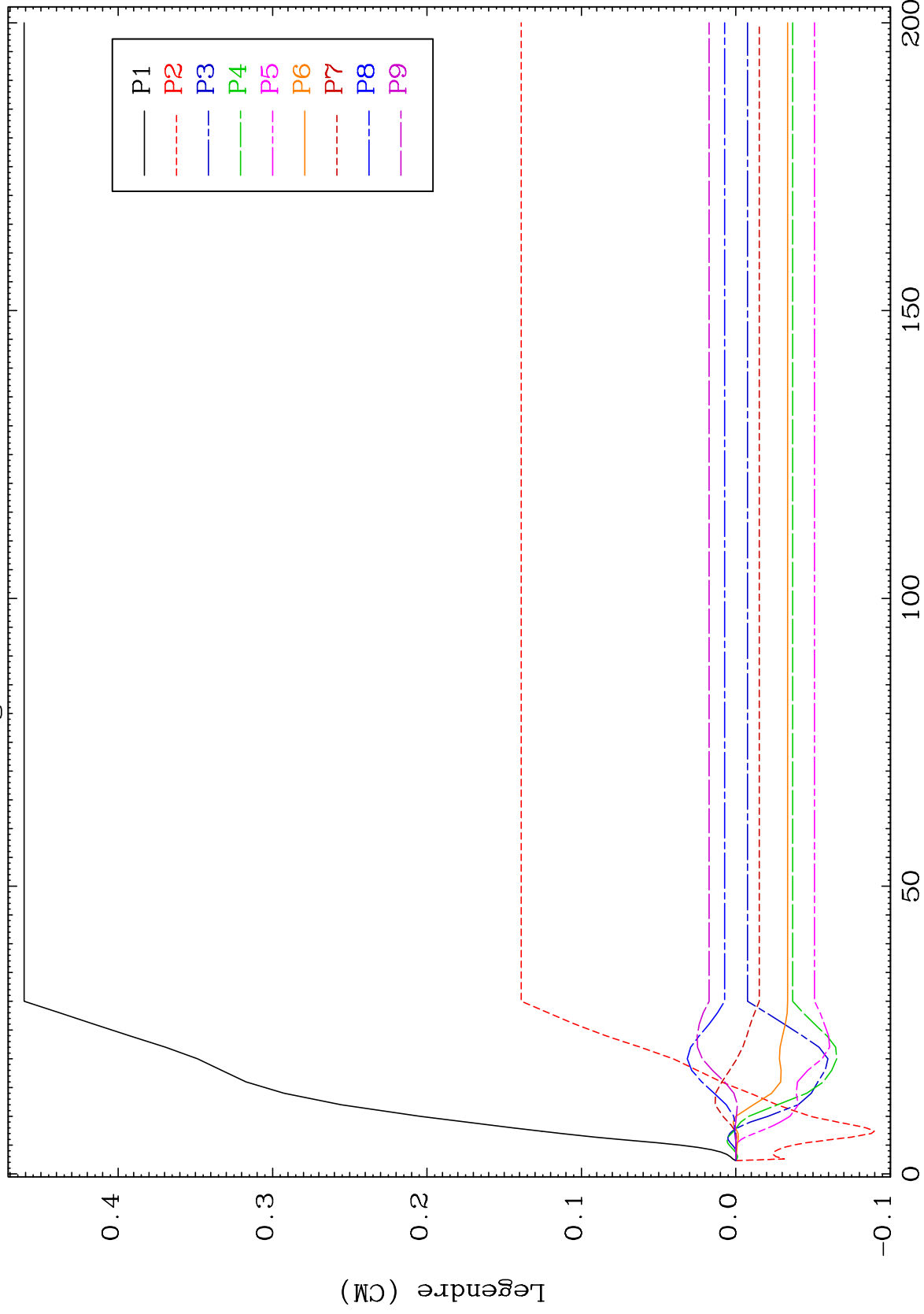
56-Ba-130



MAT 5625

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

56-Ba-130



56-Ba-130

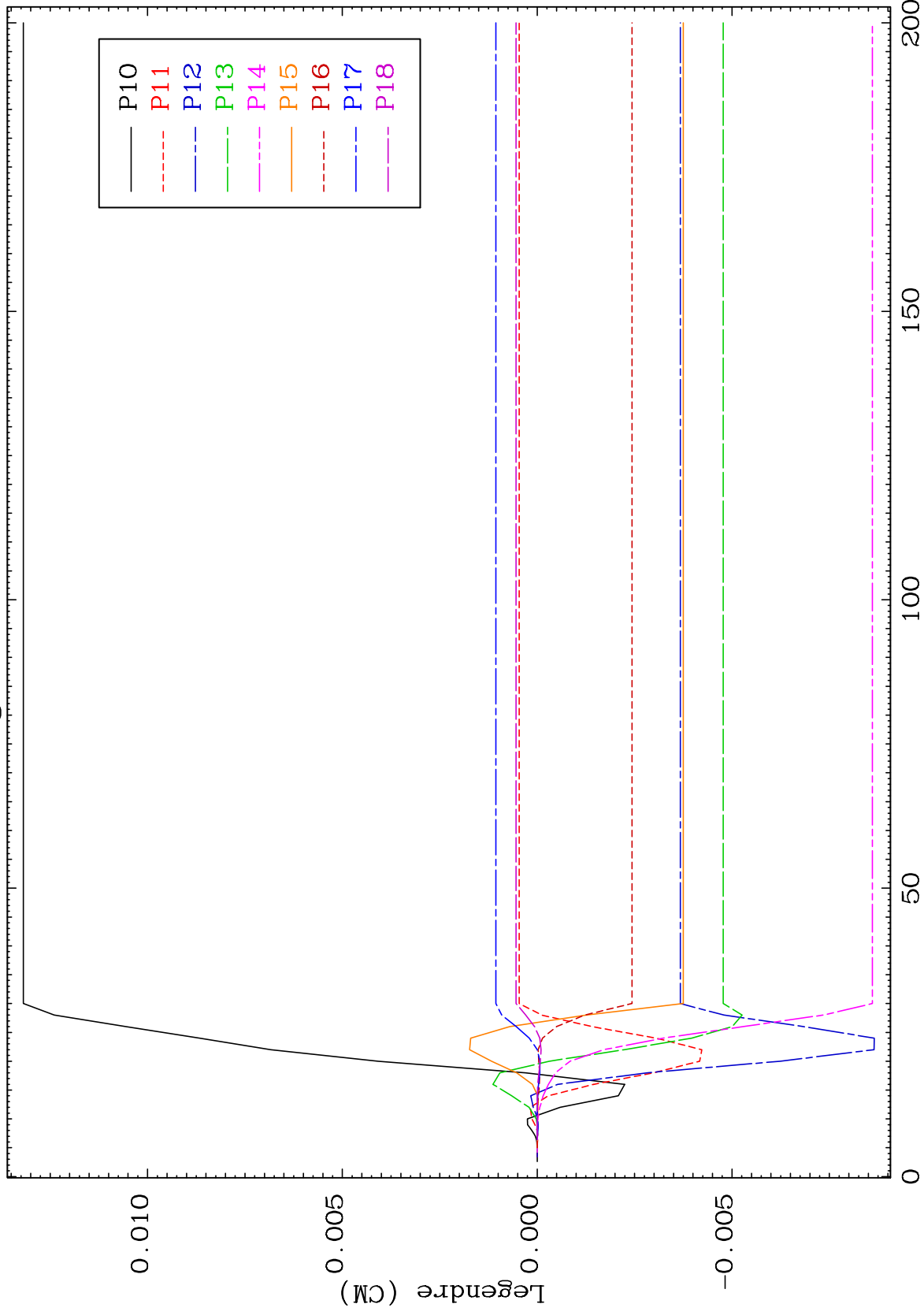
Incident Energy (MeV)

102

MAT 5625

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

56-Ba-130



103

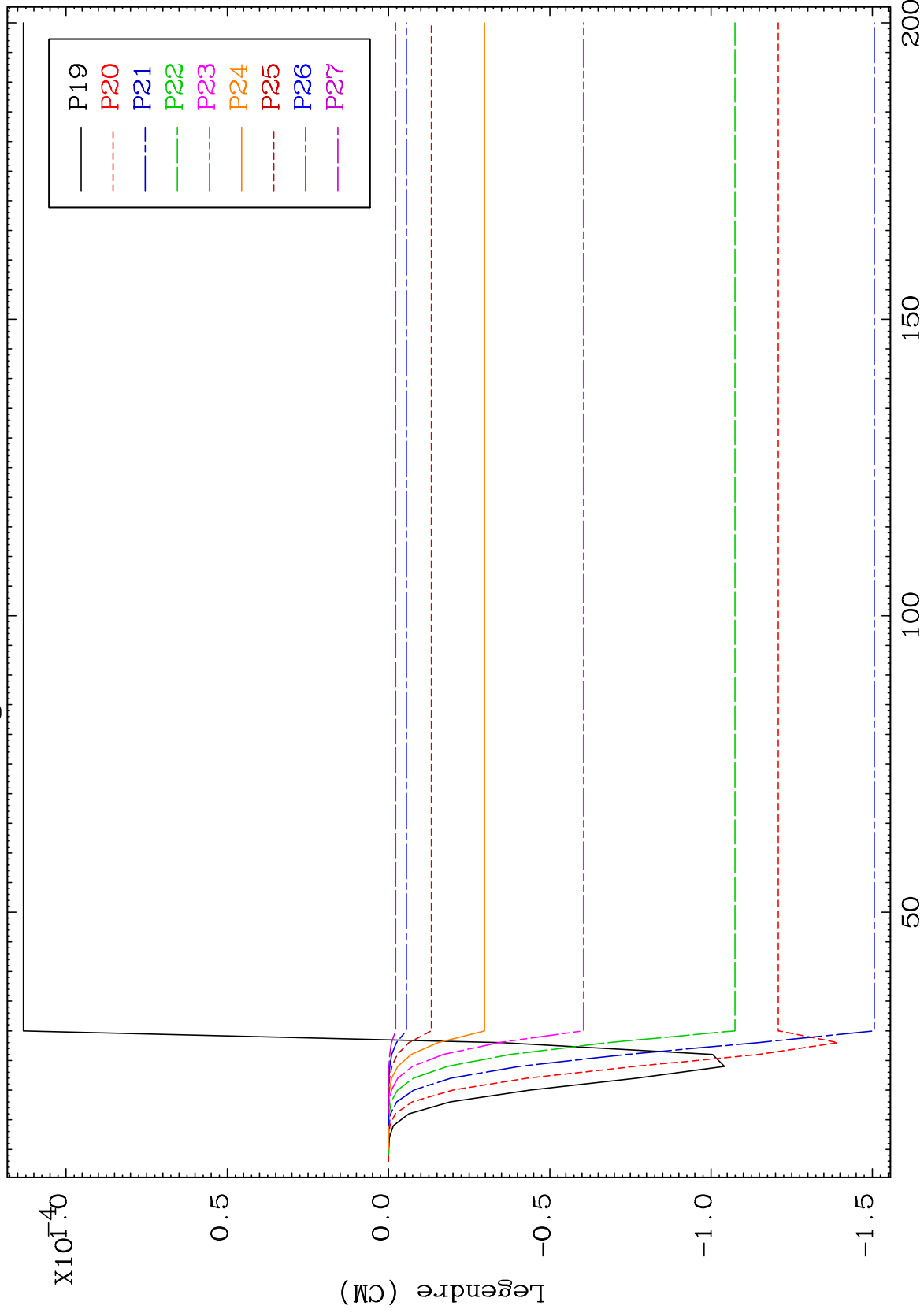
Incident Energy (MeV)

56-Ba-130

MAT 5625

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

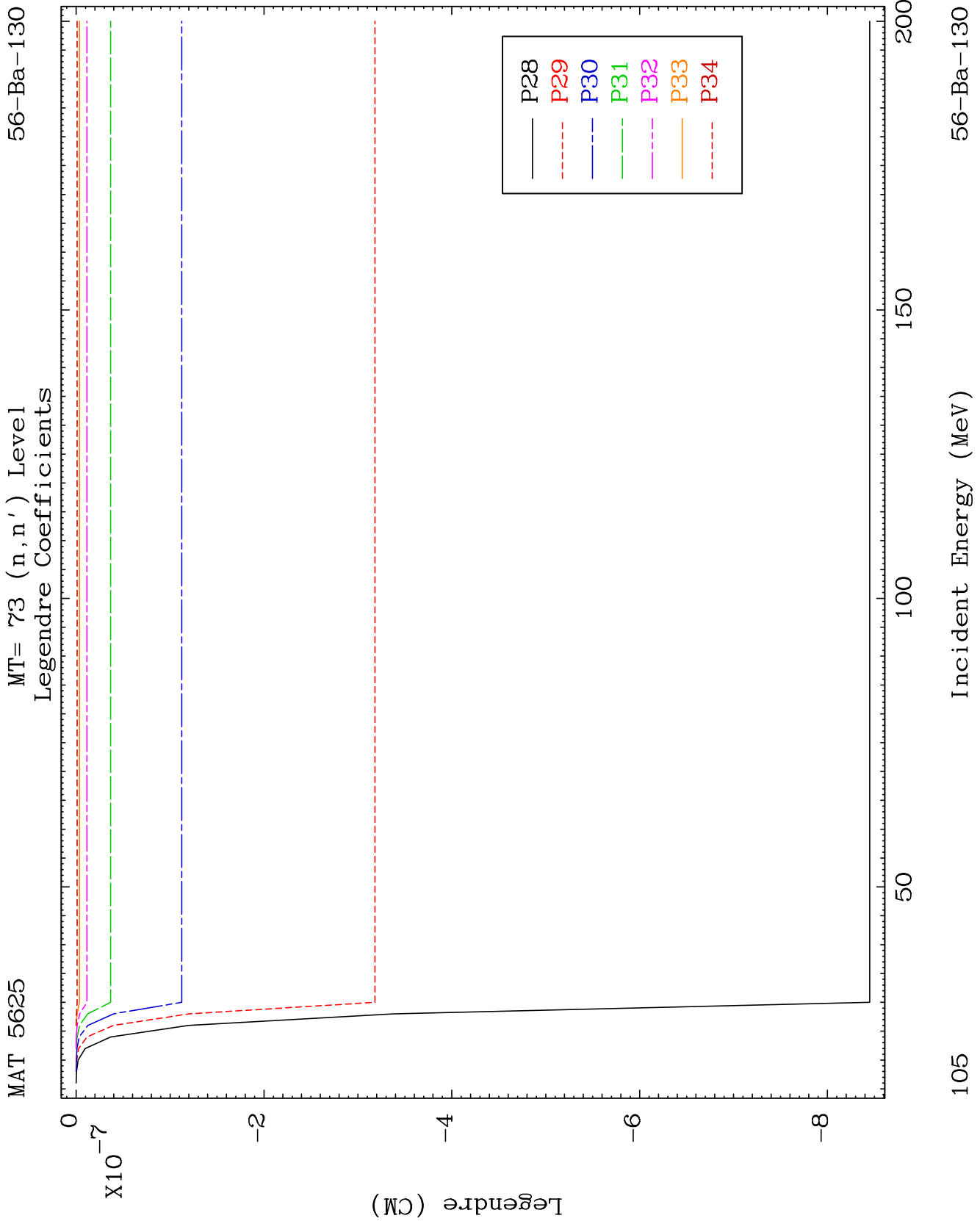
56-Ba-130

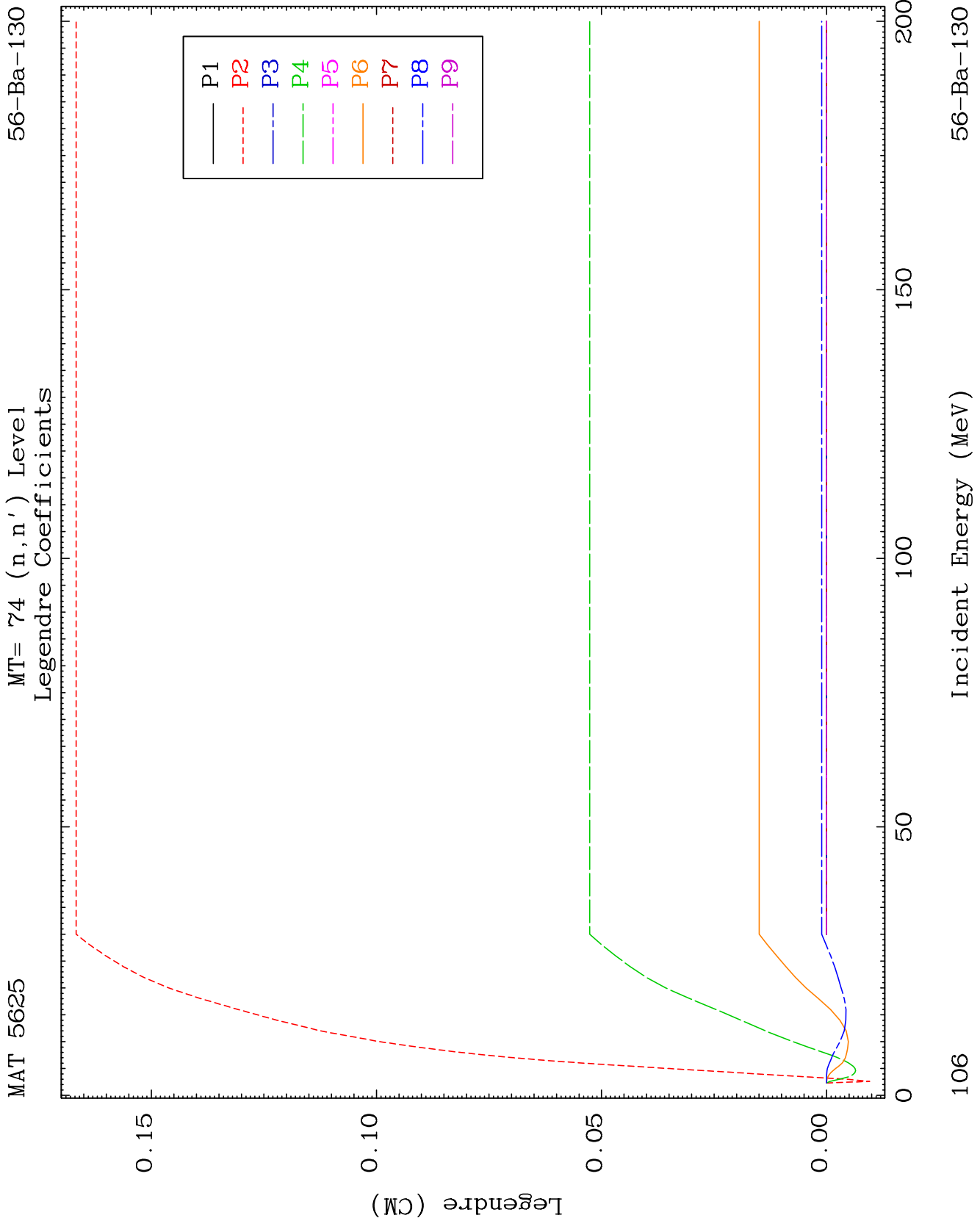


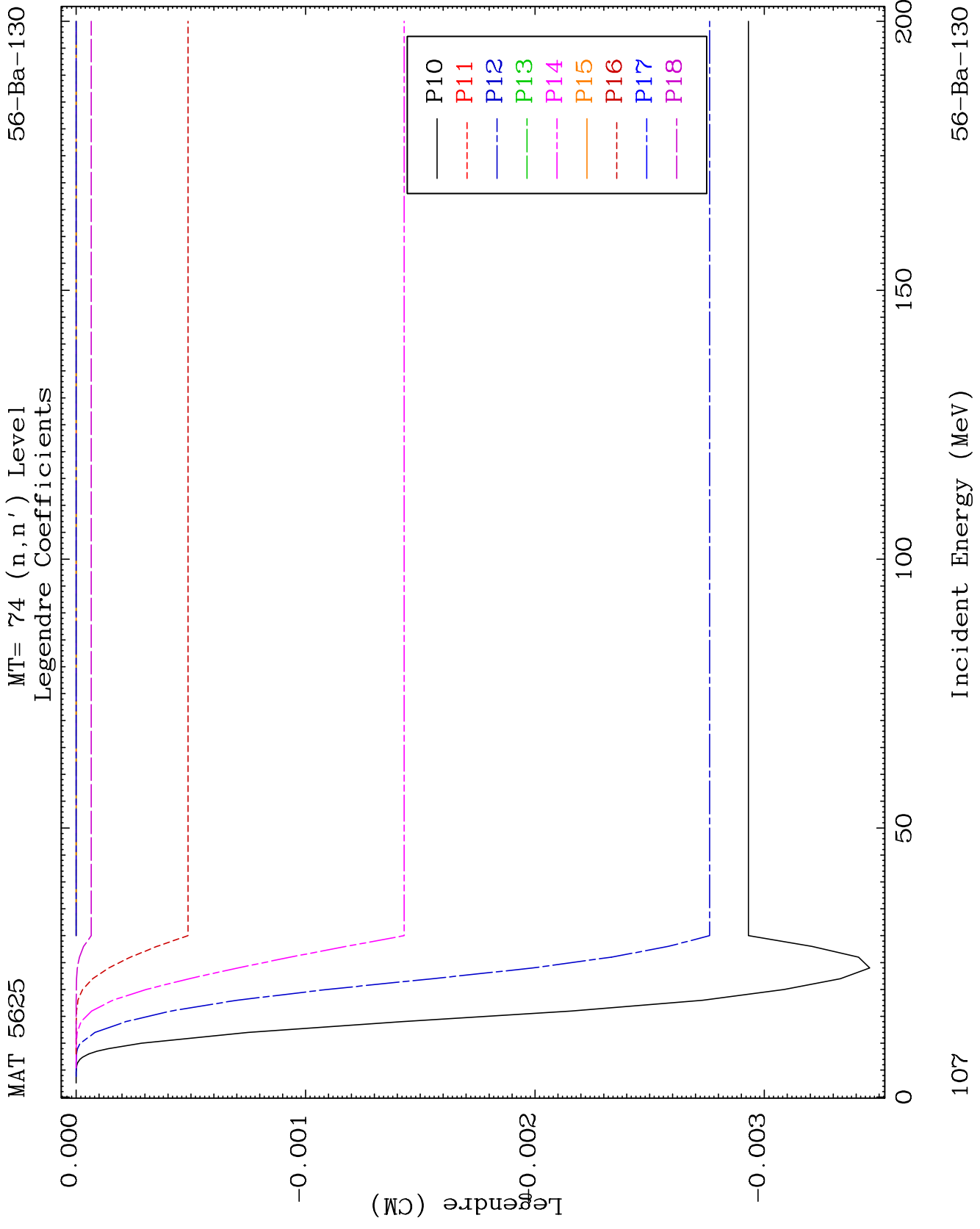
104

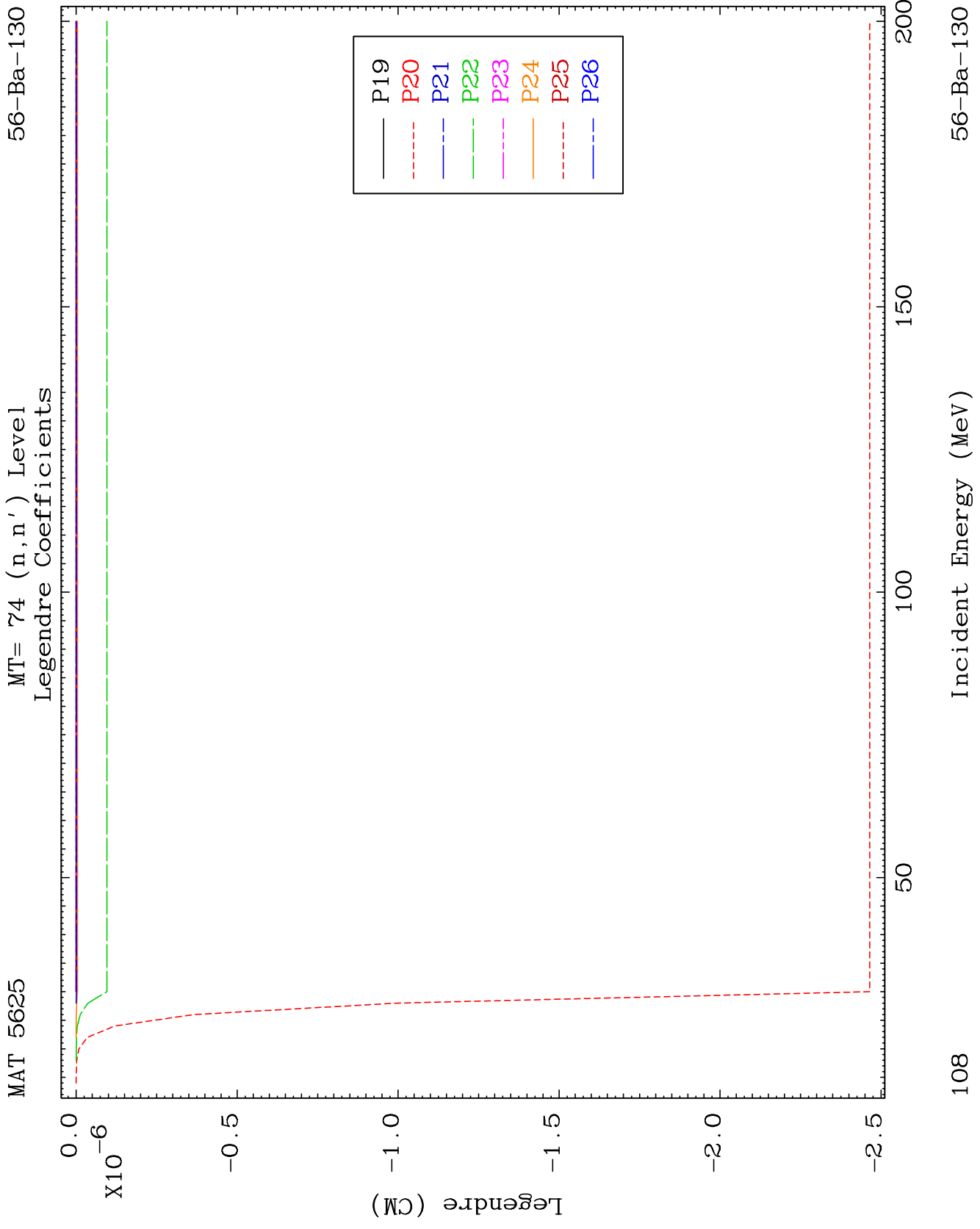
Incident Energy (MeV)

56-Ba-130





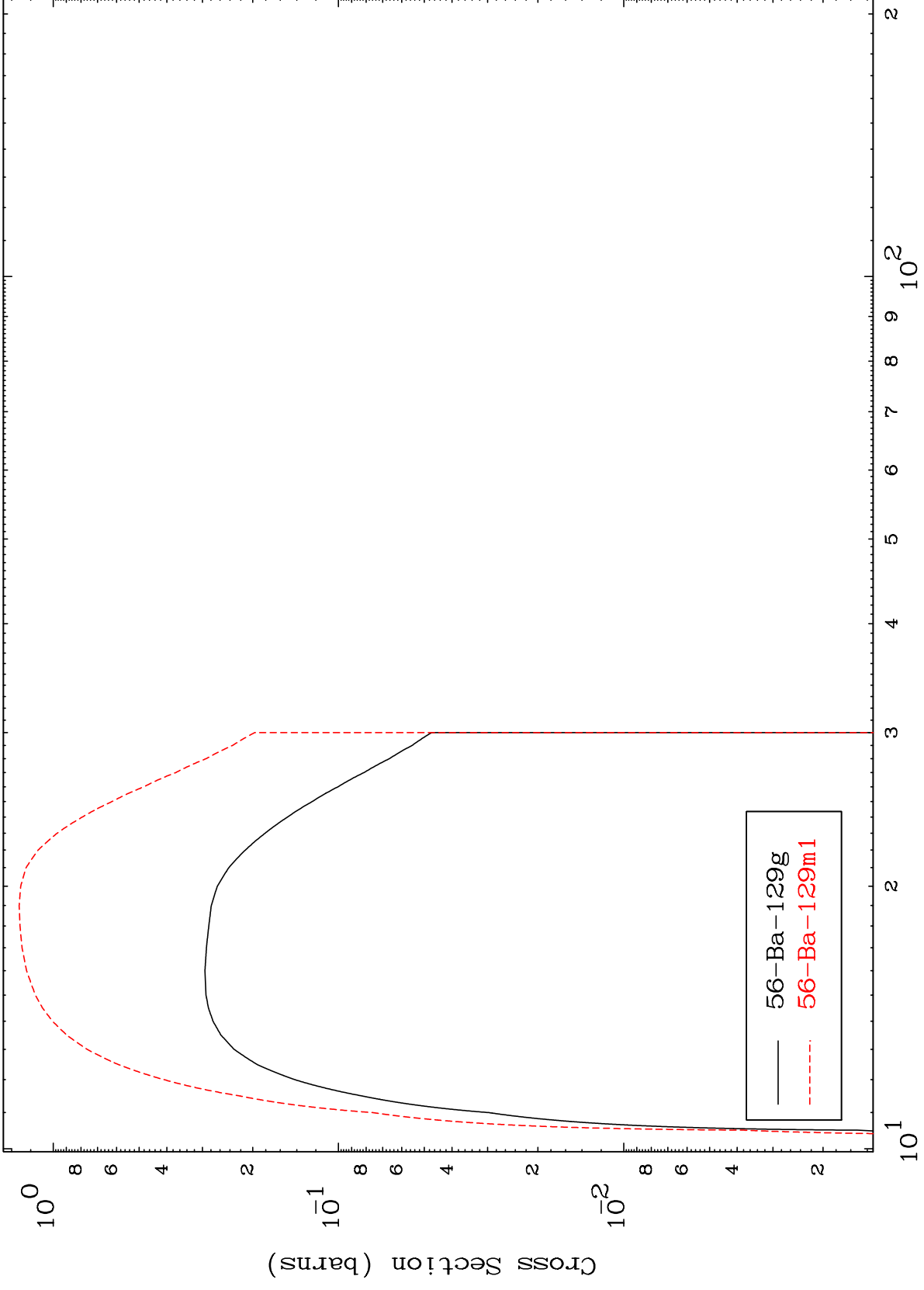




MAT 5625

56-Ba-130

(n,2n)
Radionuclide Production Cross Section



56-Ba-130

Incident Energy (MeV)

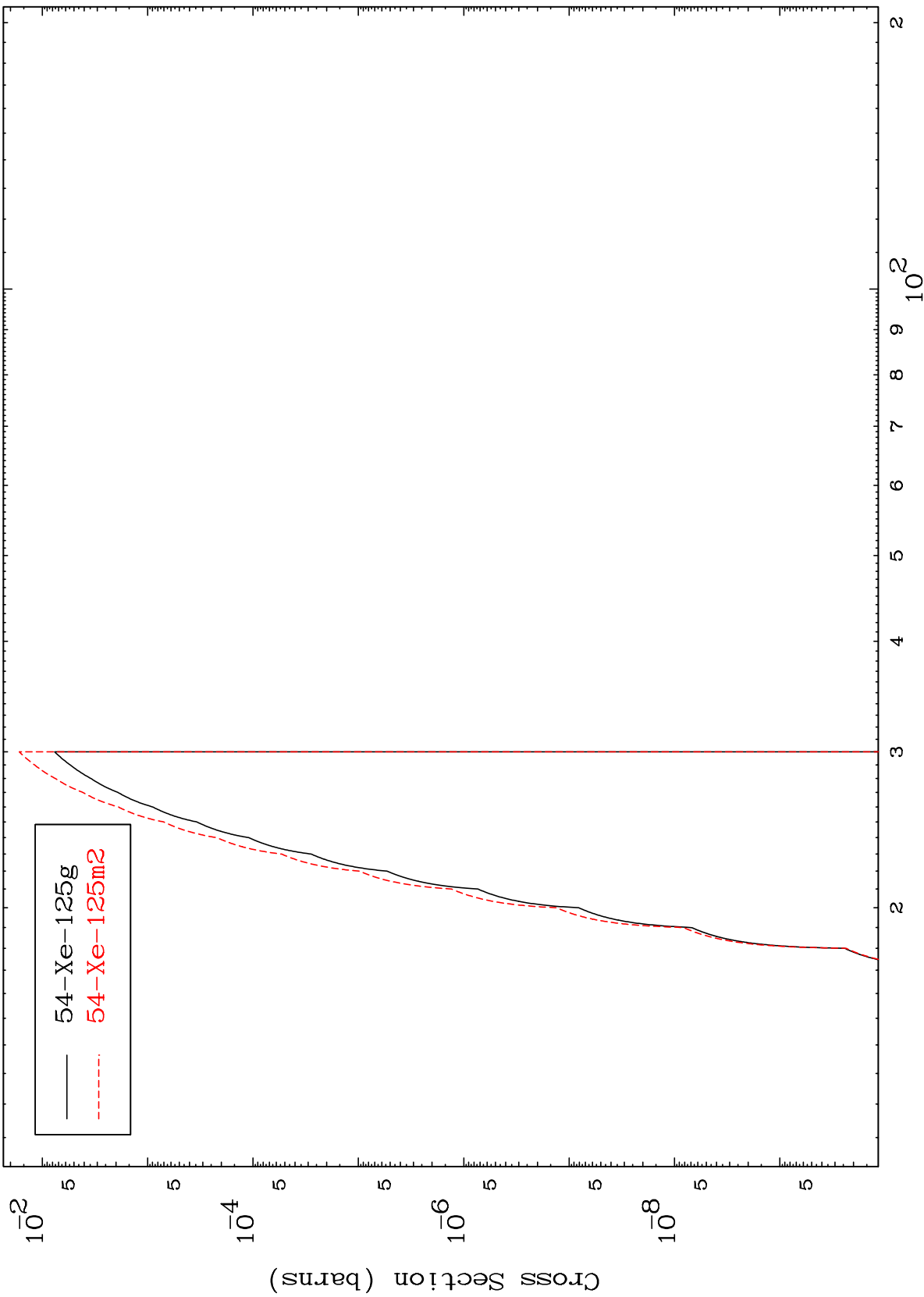
109

MAT 5625

(n,2n) α

56-Ba-130

Radionuclide Production Cross Section



110

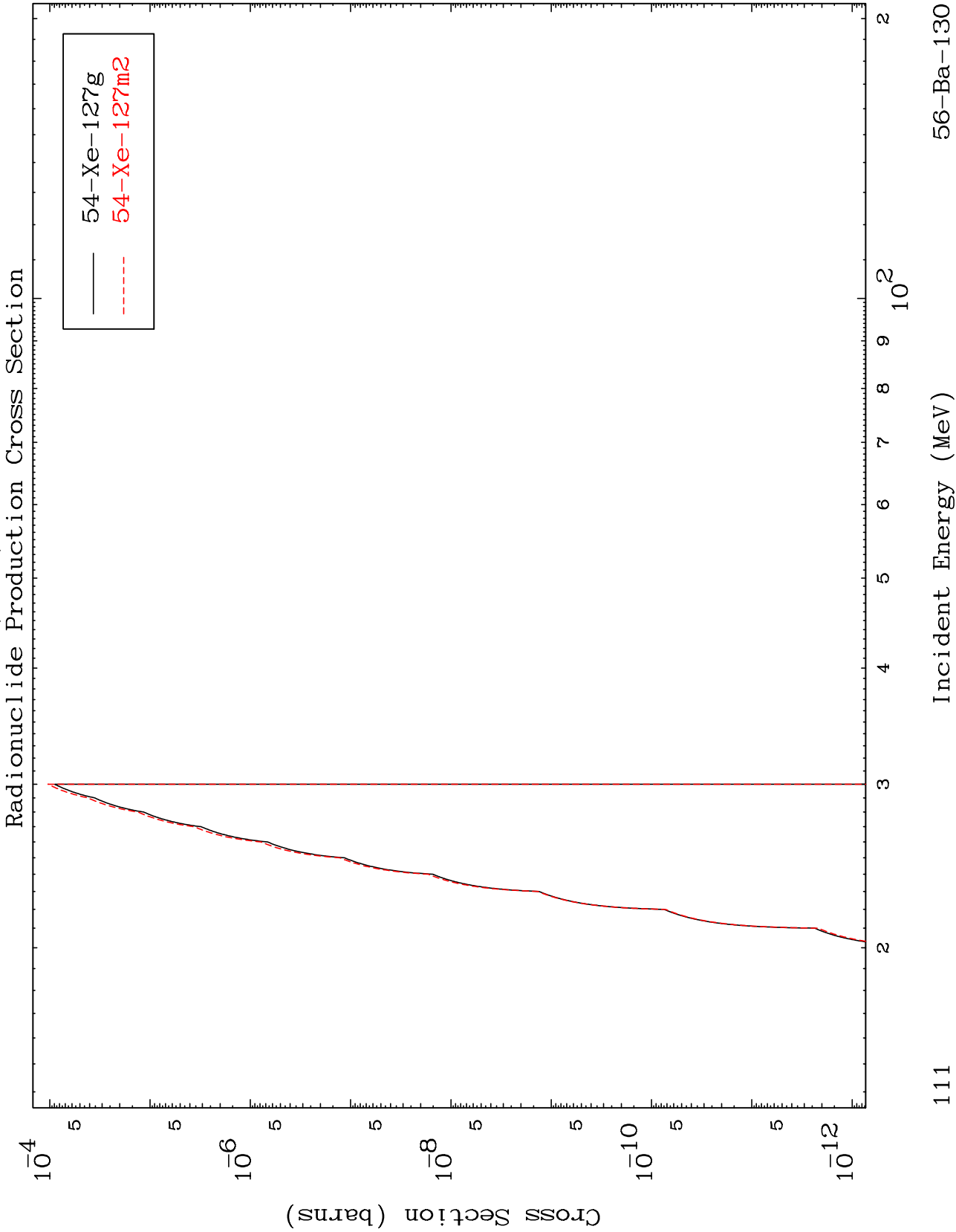
Incident Energy (MeV)

56-Ba-130

MAT 5625

(n,n') He-3

56-Ba-130



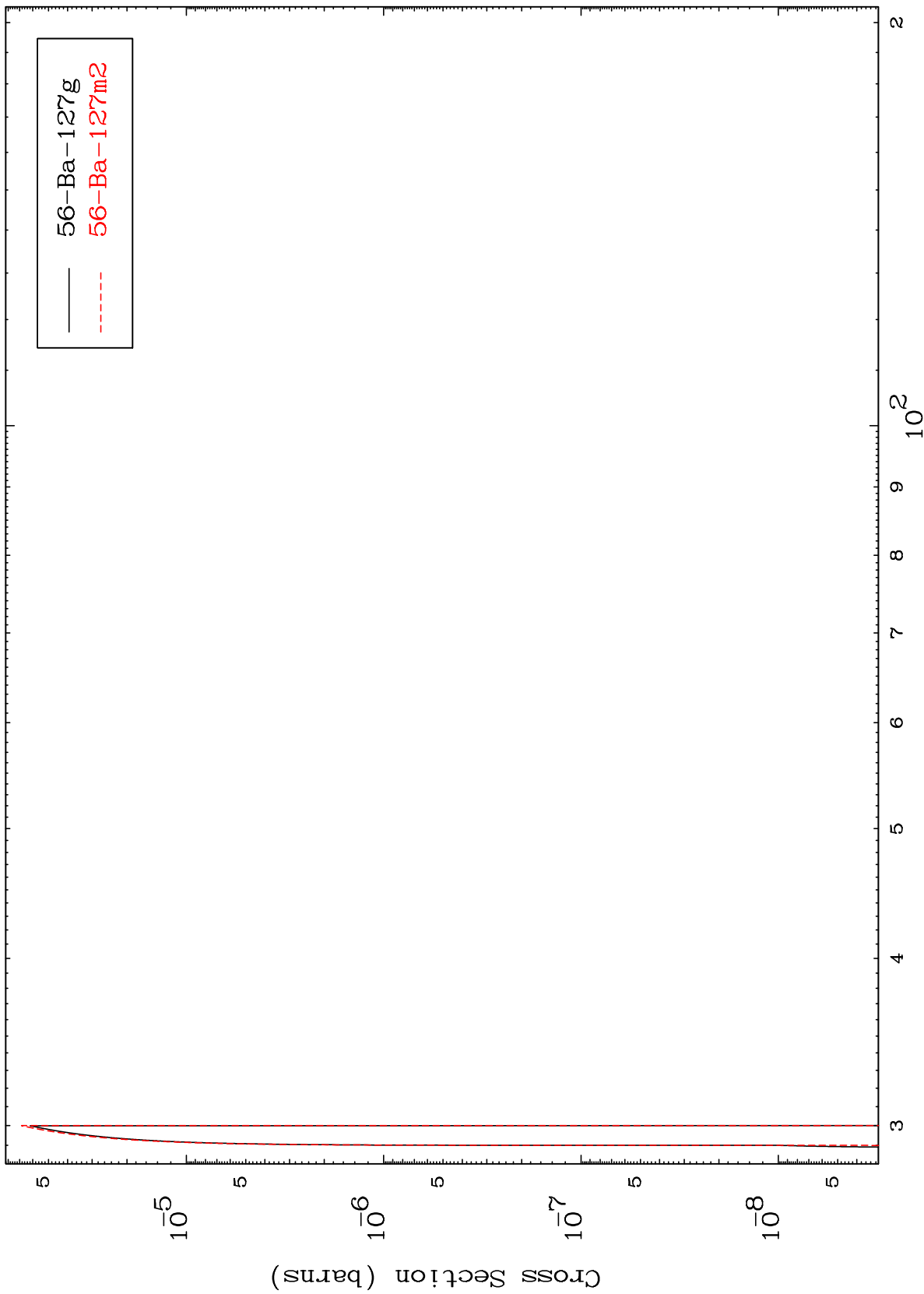
111

56-Ba-130

MAT 5625

56-Ba-130

(n,4n)
Radionuclide Production Cross Section



56-Ba-130

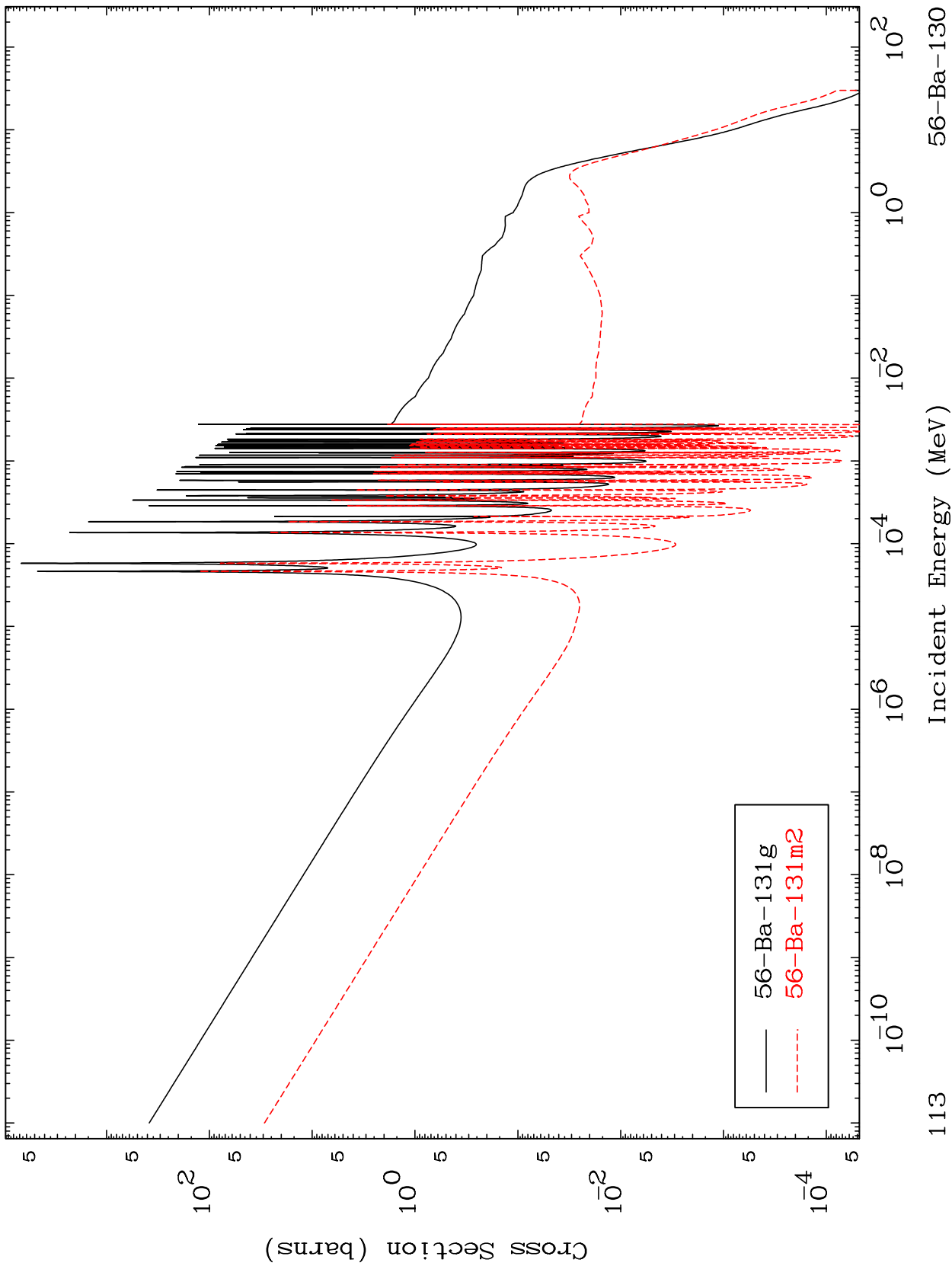
Incident Energy (MeV)

112

MAT 5625

56-Ba-130

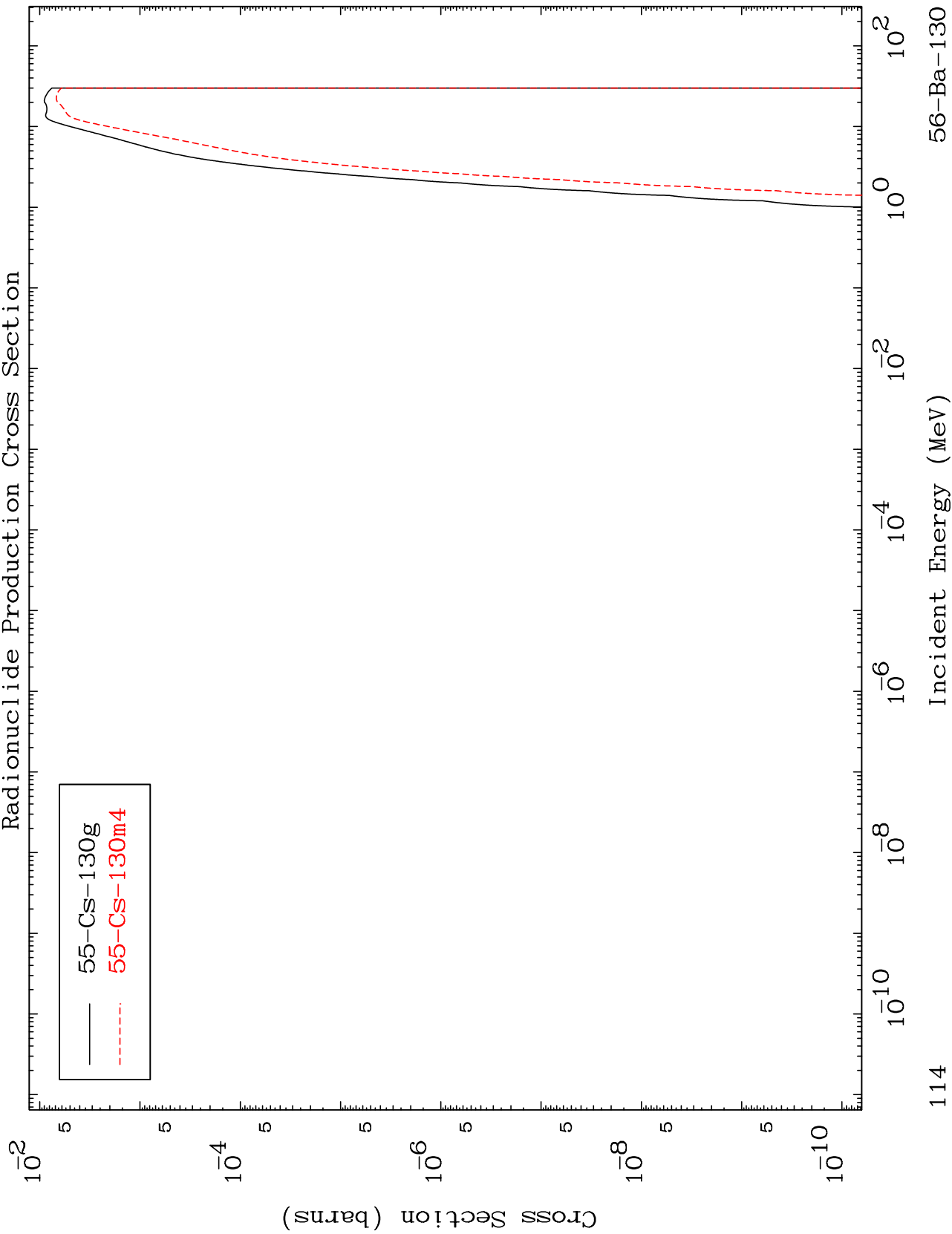
(n, γ)
Radionuclide Production Cross Section



MAT 5625

56-Ba-130

(n,p)
Radionuclide Production Cross Section

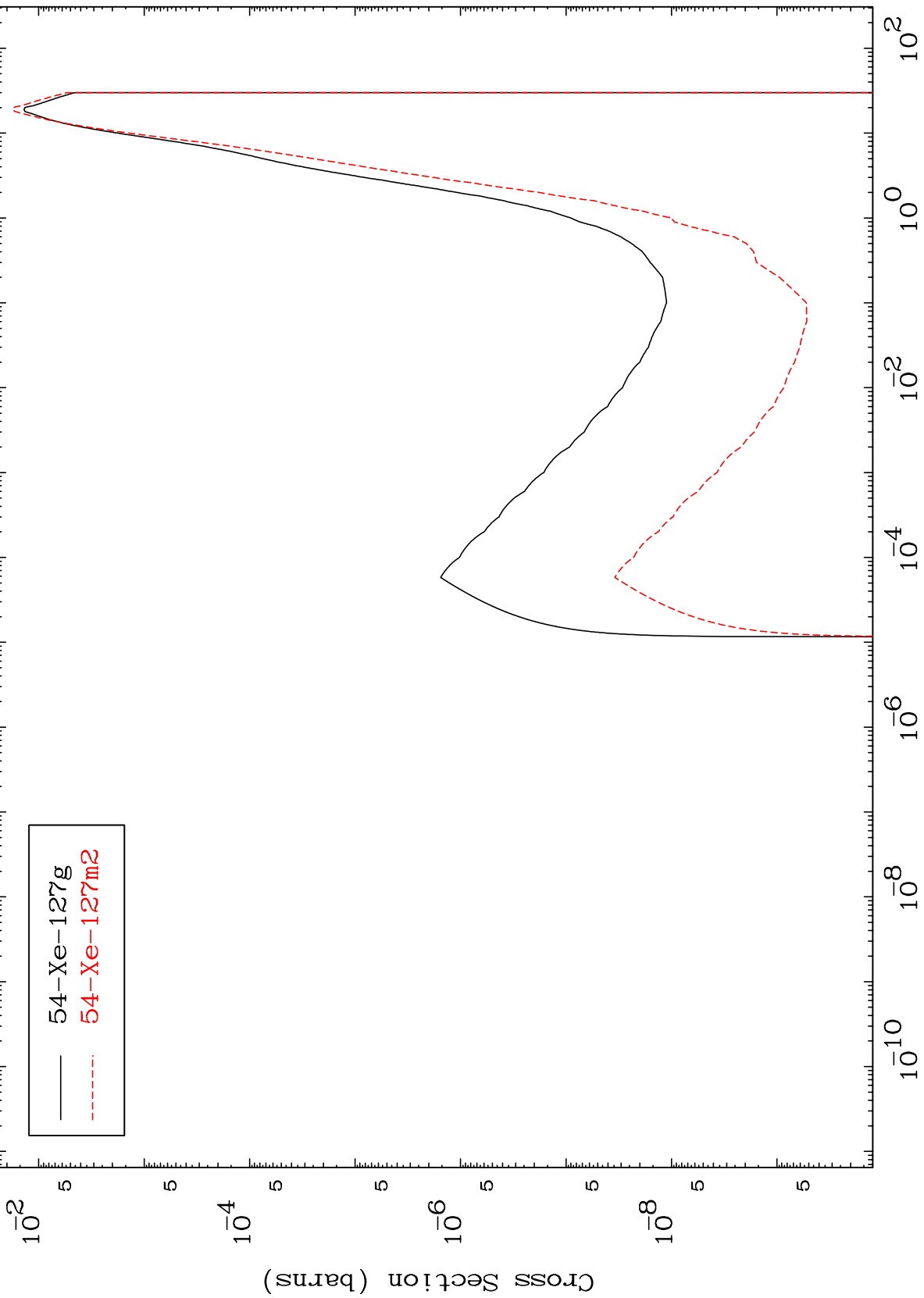


MAT 5625

(n, α)

56-Ba-130

Radionuclide Production Cross Section



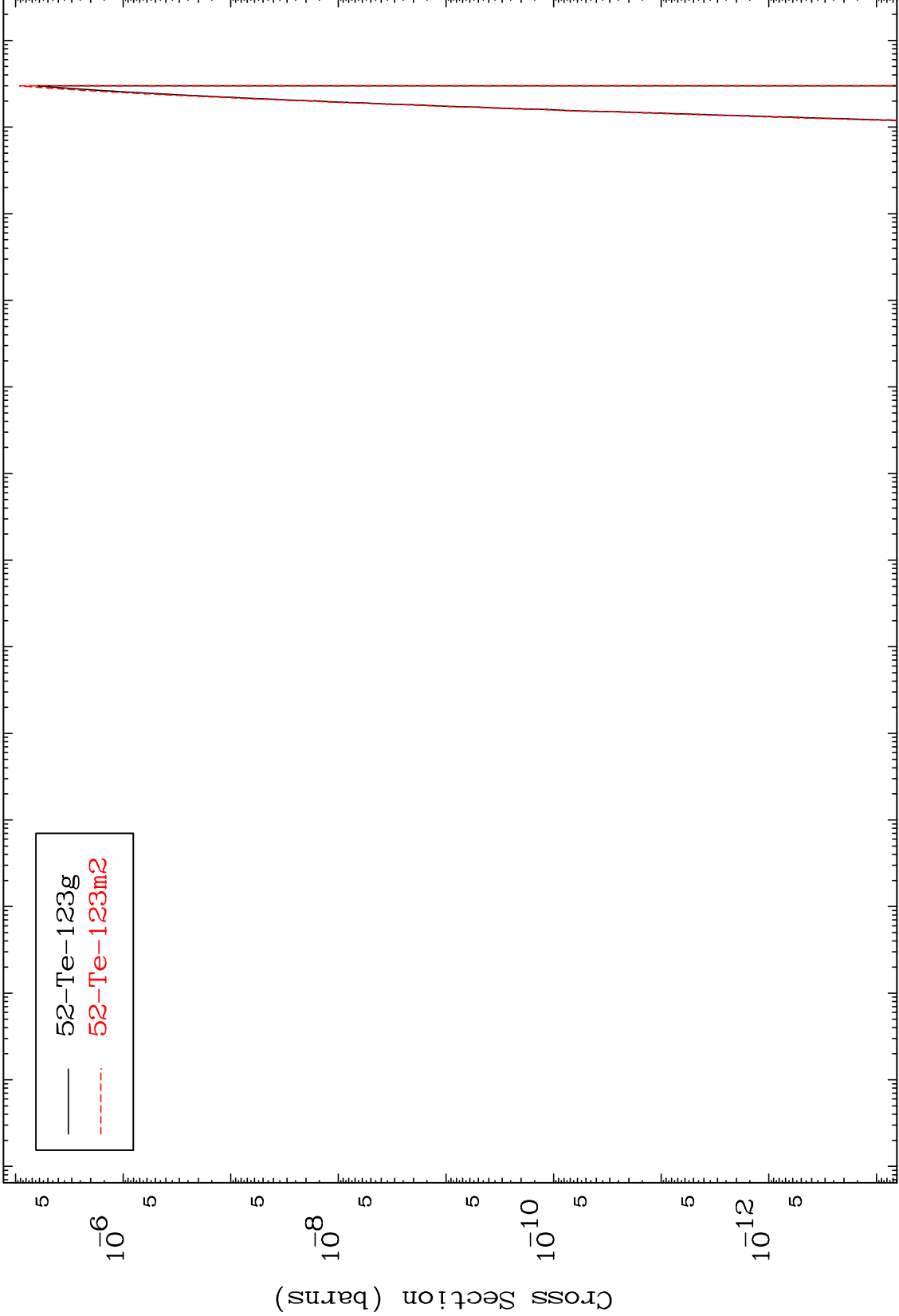
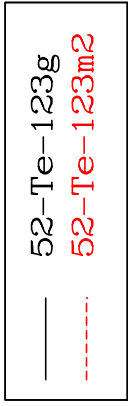
115

MAT 5625

(n,2α)

56-Ba-130

Radionuclide Production Cross Section



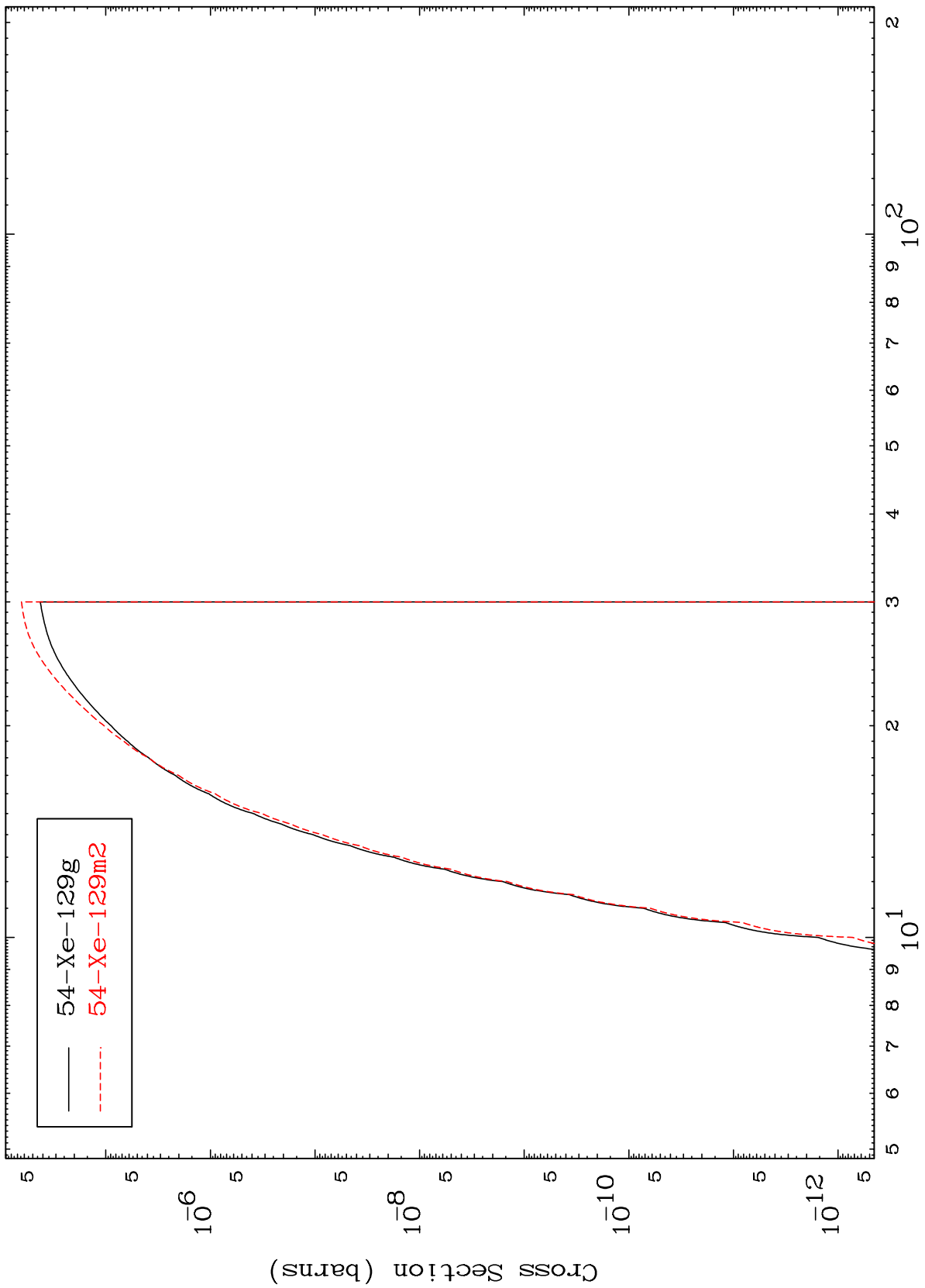
116

56-Ba-130

MAT 5625

56-Ba-130

(n,2p)
Radionuclide Production Cross Section



117

Incident Energy (MeV)

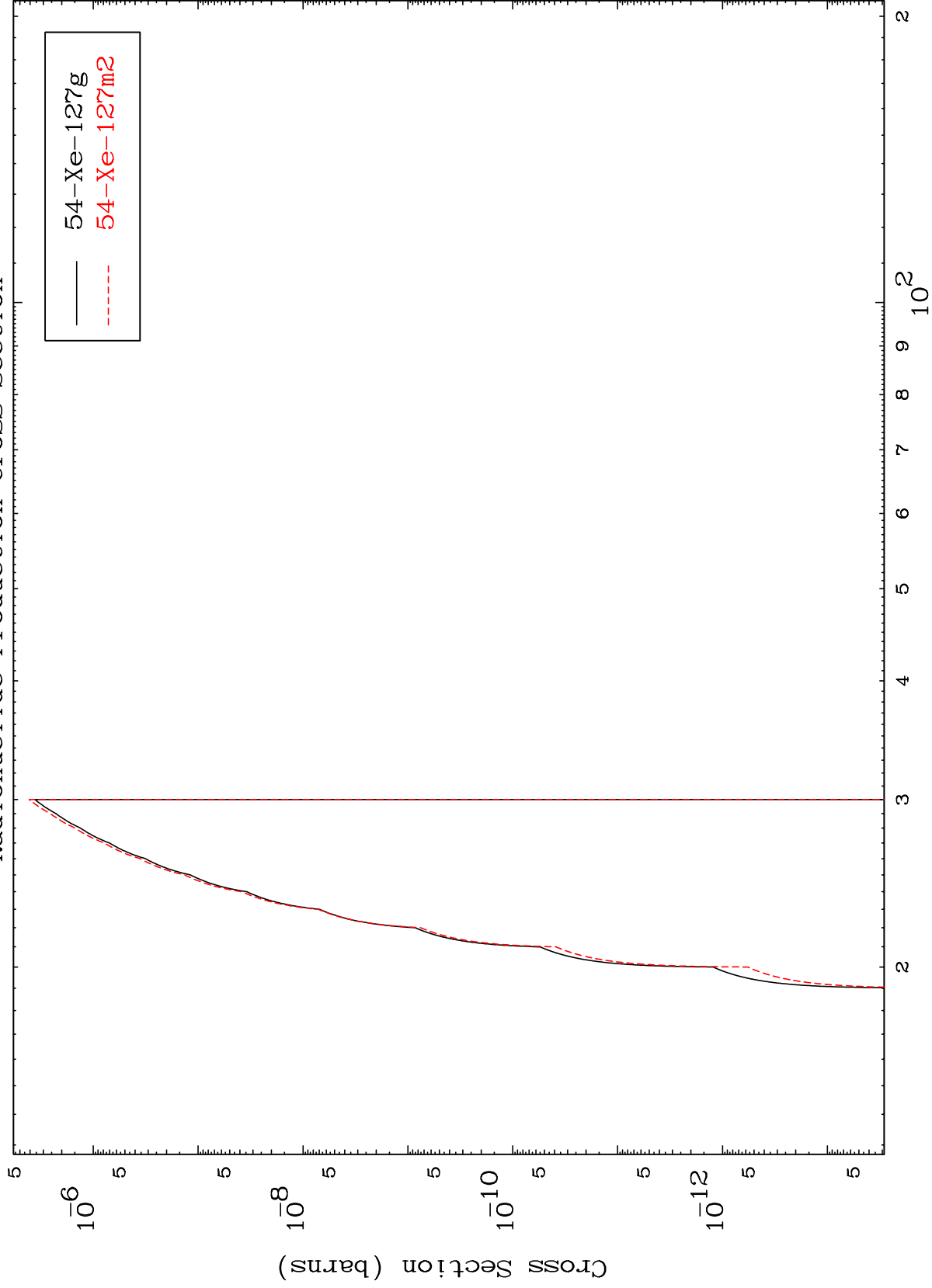
56-Ba-130

MAT 5625

(n,p) t

56-Ba-130

Radionuclide Production Cross Section



118

Incident Energy (MeV)

56-Ba-130