

Program EVALPLOT
(Version 2015-2)

by

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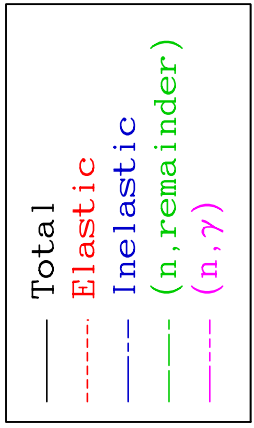
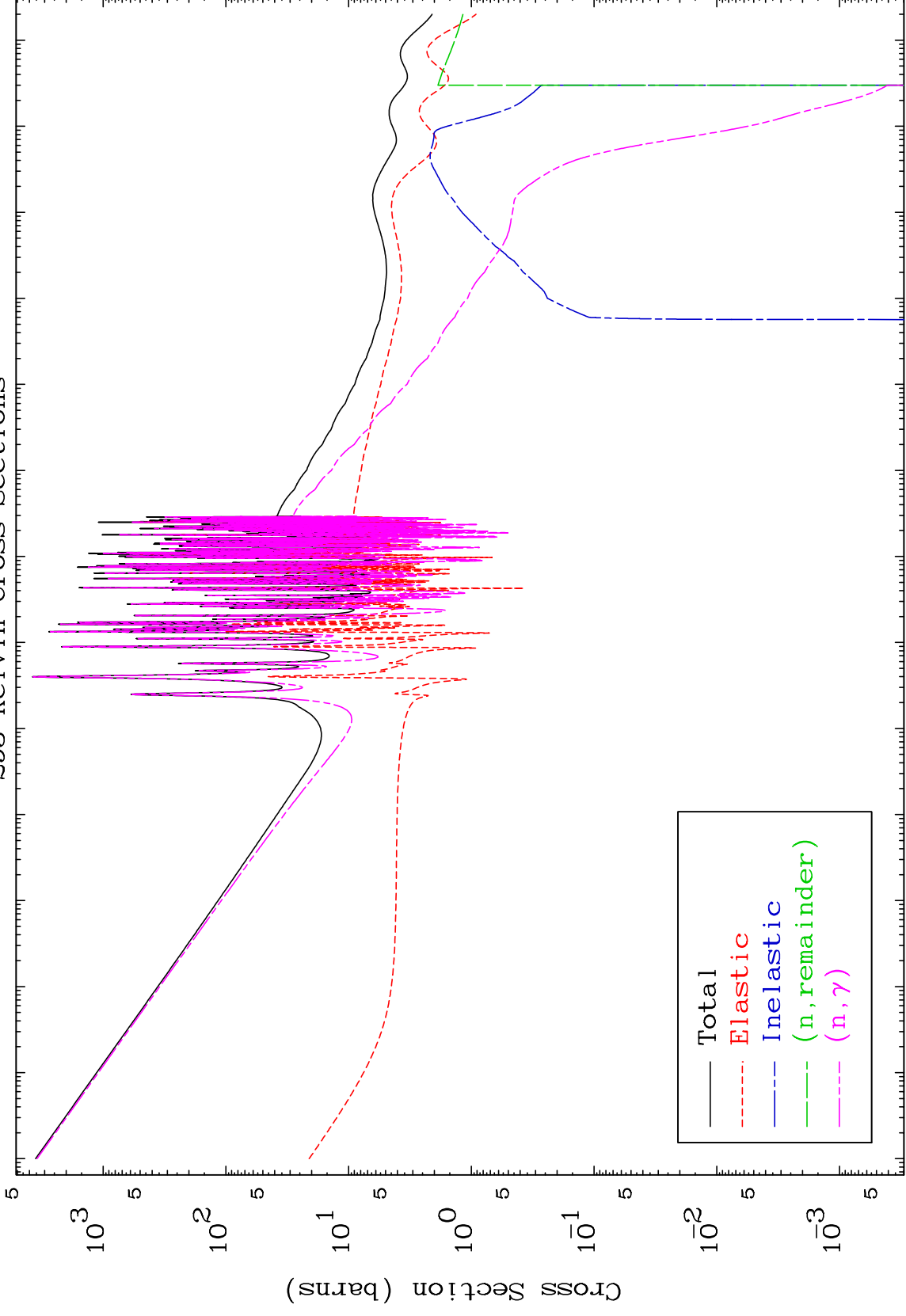
Press Mouse Button to Start

MAT 5616

Major

293 Kelvin Cross Sections

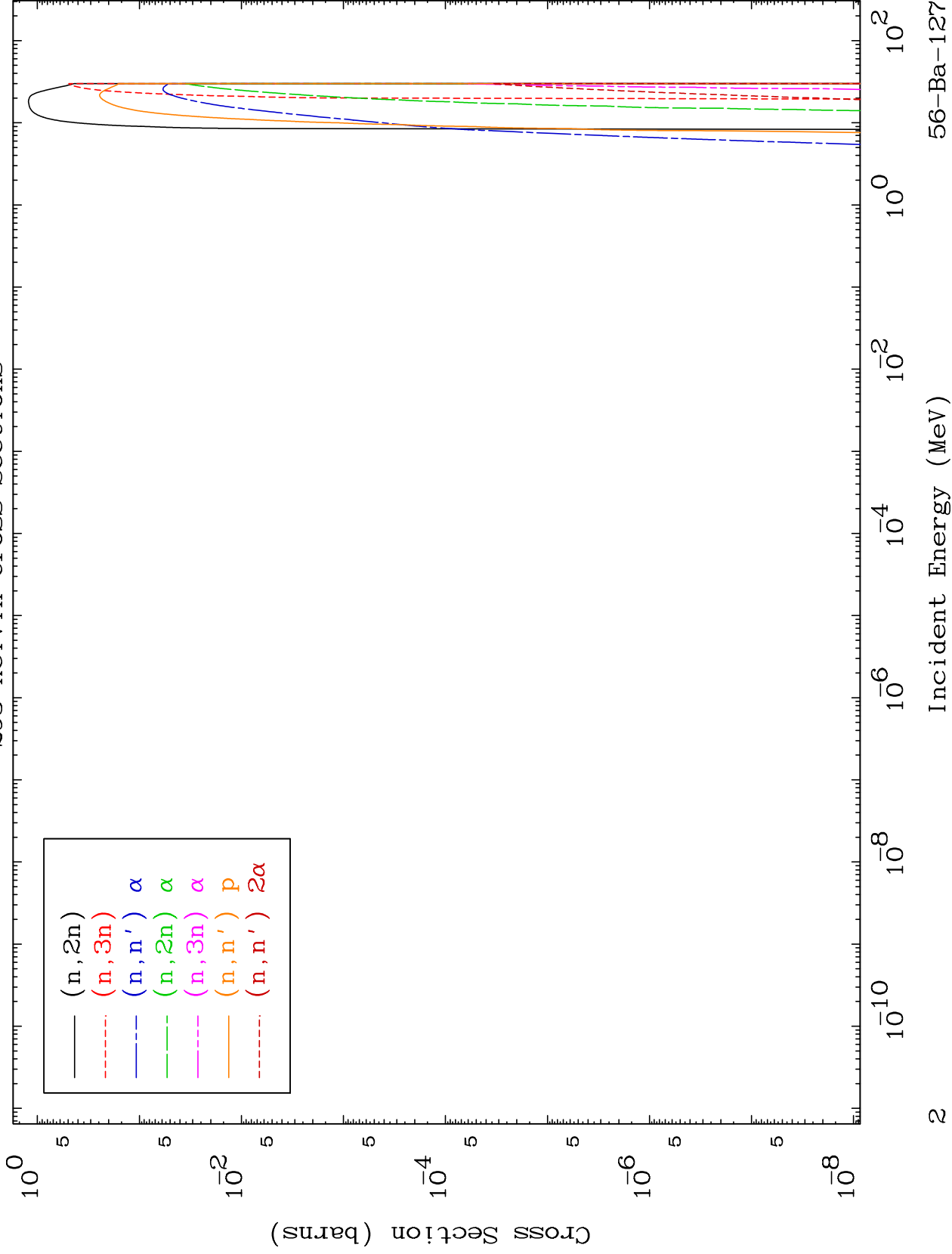
56-Ba-127



MAT 5616

Neutron Production
293 Kelvin Cross Sections

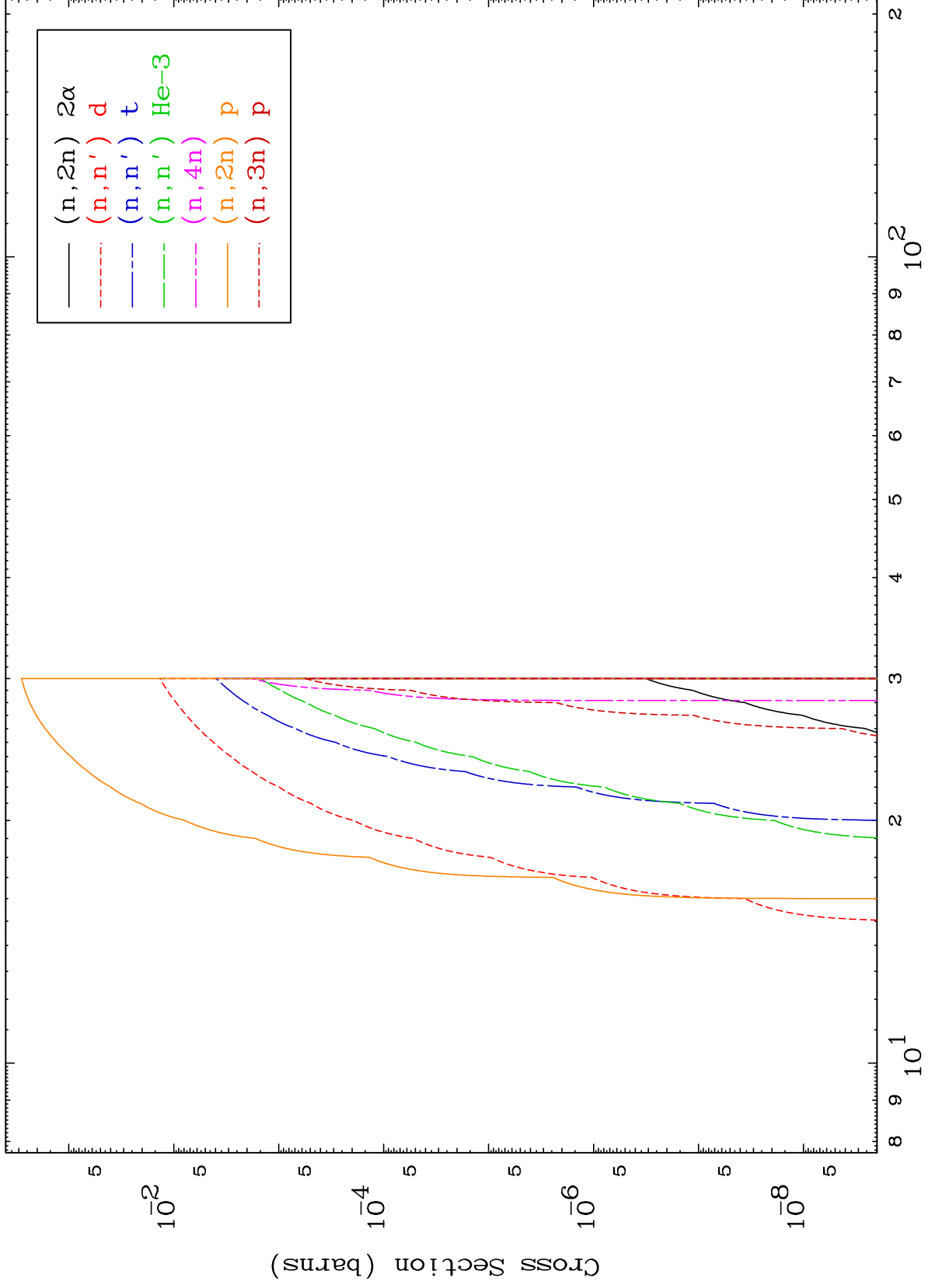
56-Ba-127



MAT 5616

Neutron Production
293 Kelvin Cross Sections

56-Ba-127



3

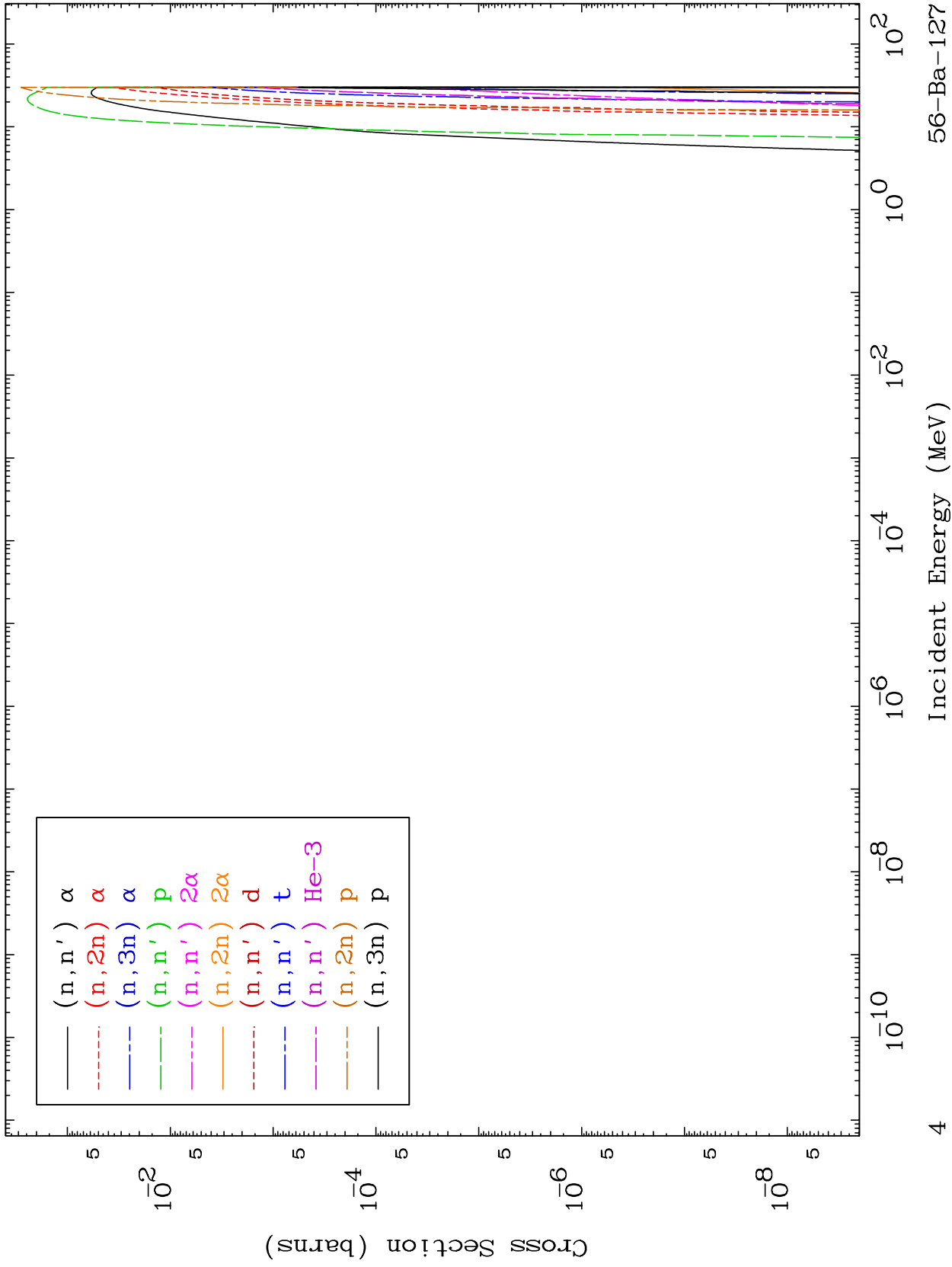
Incident Energy (MeV)

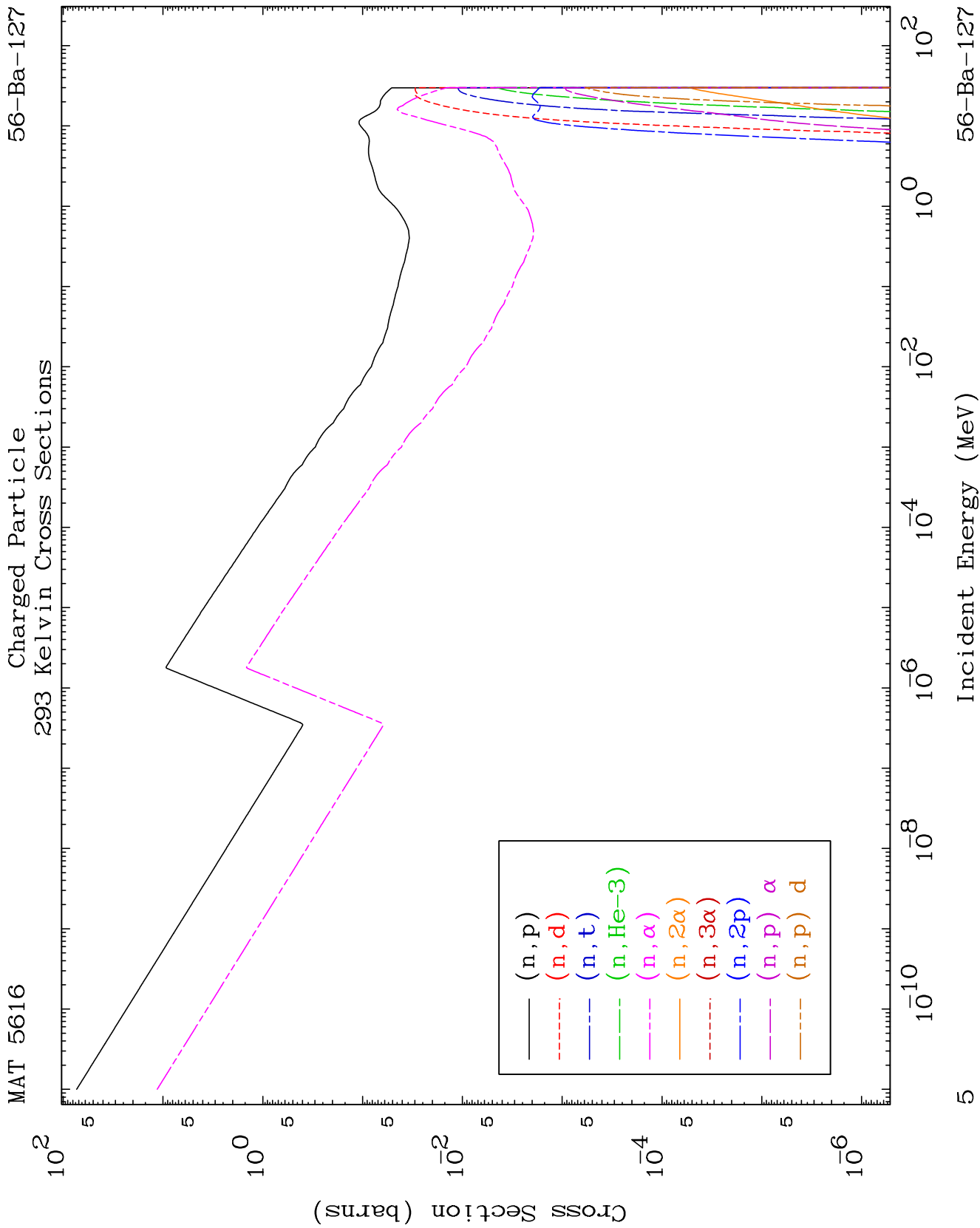
56-Ba-127

MAT 5616

Charged Particle
293 Kelvin Cross Sections

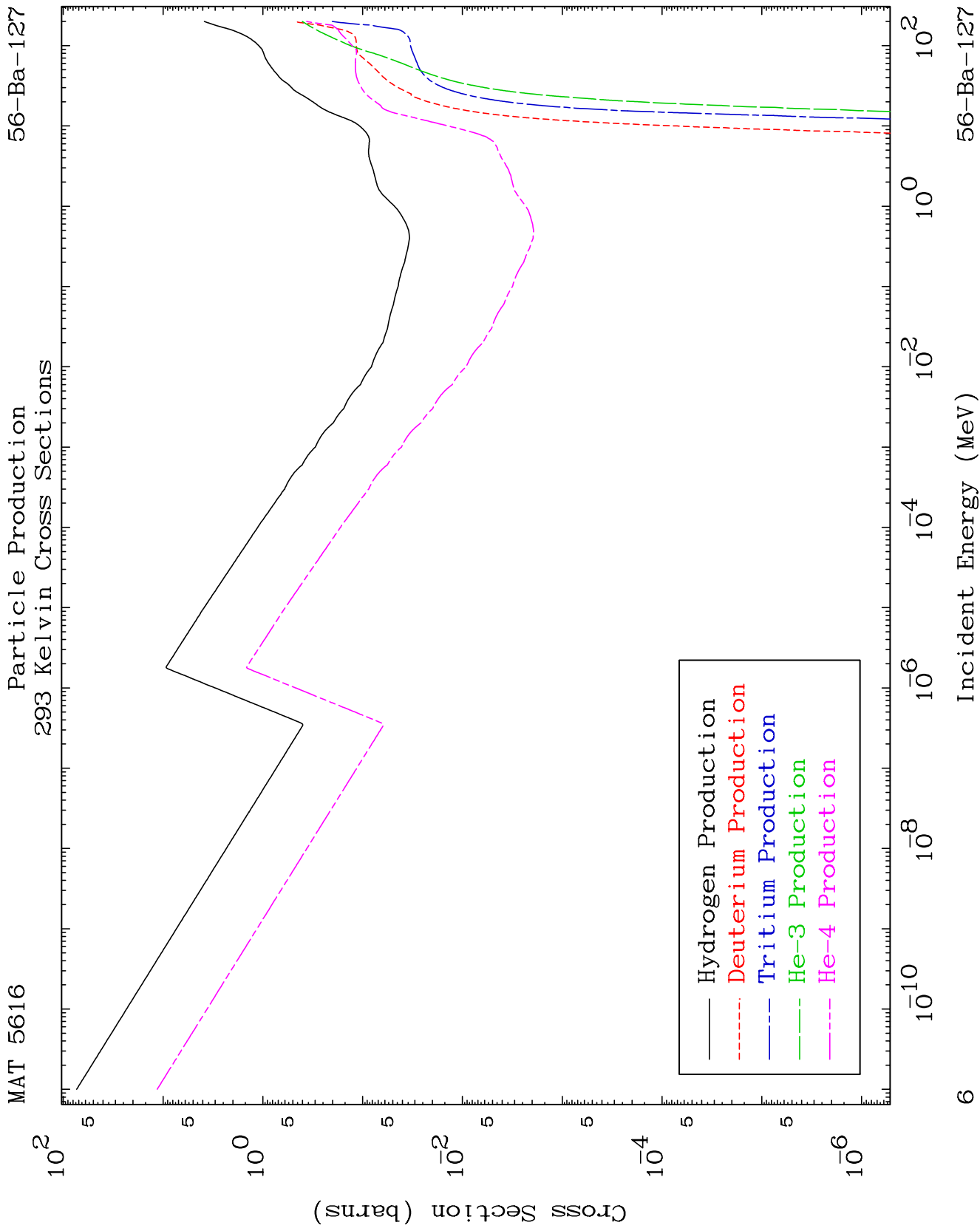
56-Ba-127





MAT 5616

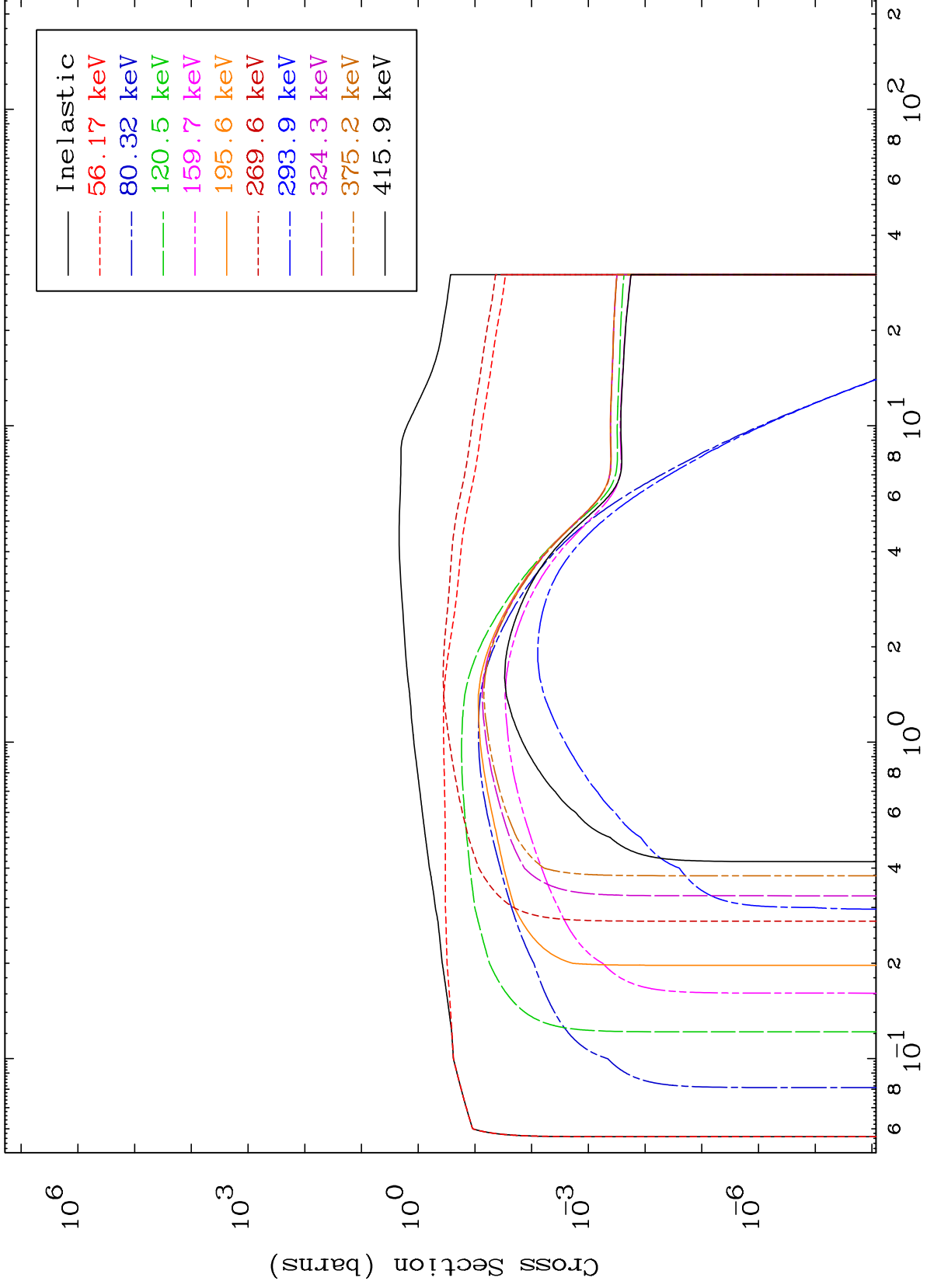
56-Ba-127



MAT 5616

(n,n') Level
293 Kelvin Cross Sections

56-Ba-127



7

Incident Energy (MeV)

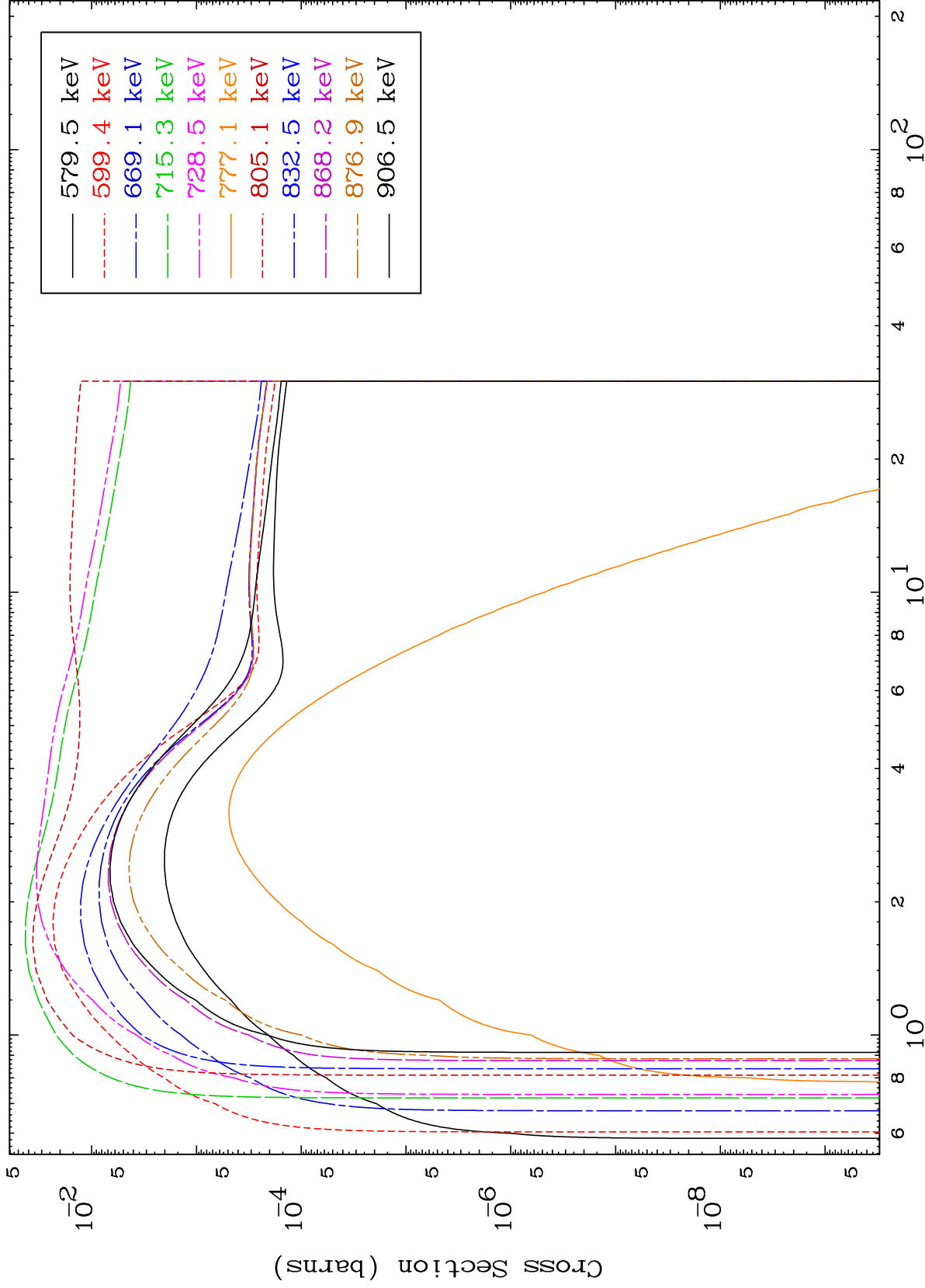
56-Ba-127

MAT 5616

(n,n') Level

56-Ba-127

293 Kelvin Cross Sections



8

Incident Energy (MeV)

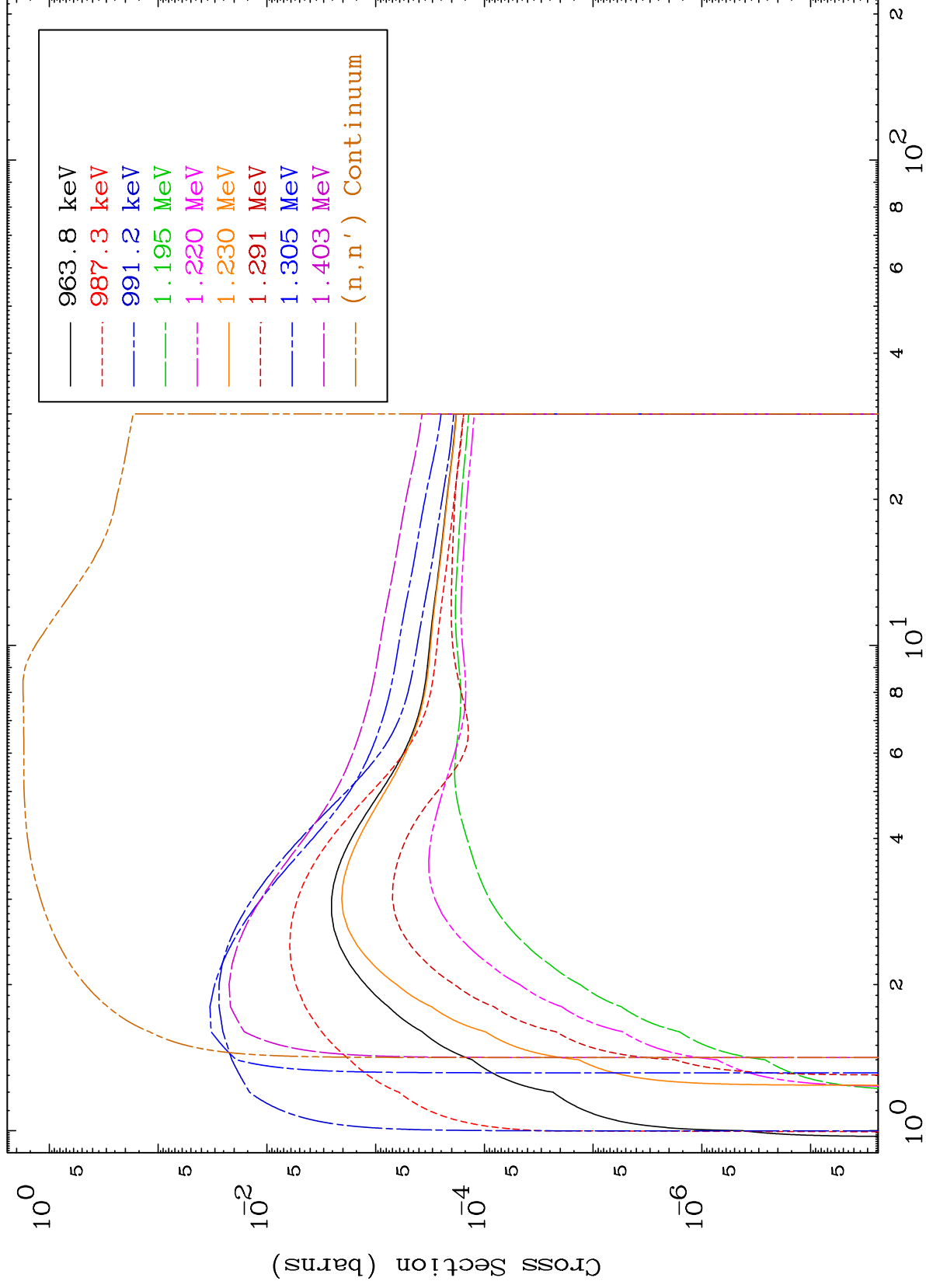
56-Ba-127

MAT 5616

(n,n') Level

56-Ba-127

293 Kelvin Cross Sections



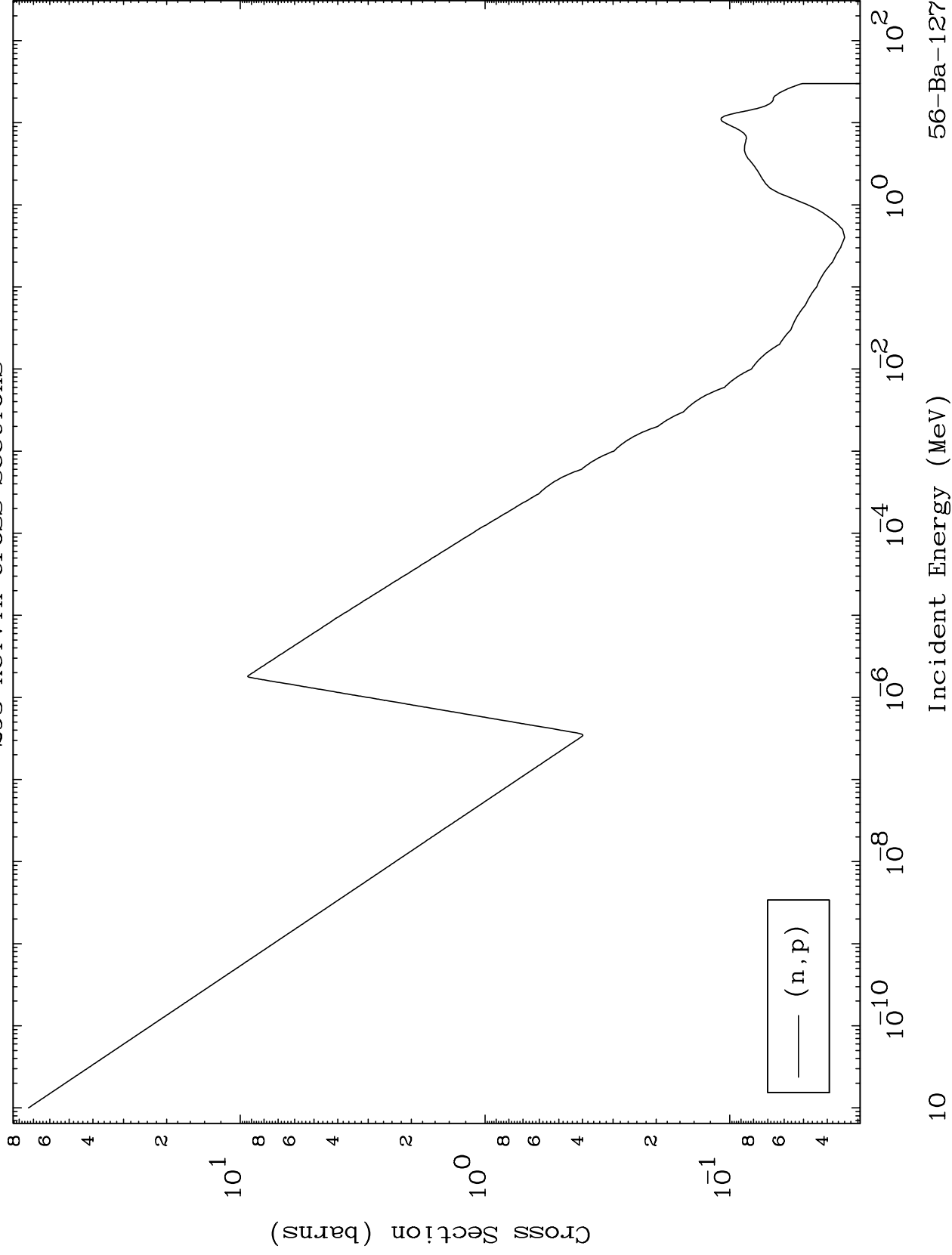
Incident Energy (MeV)

56-Ba-127

MAT 5616

(n,p) Levels
293 Kelvin Cross Sections

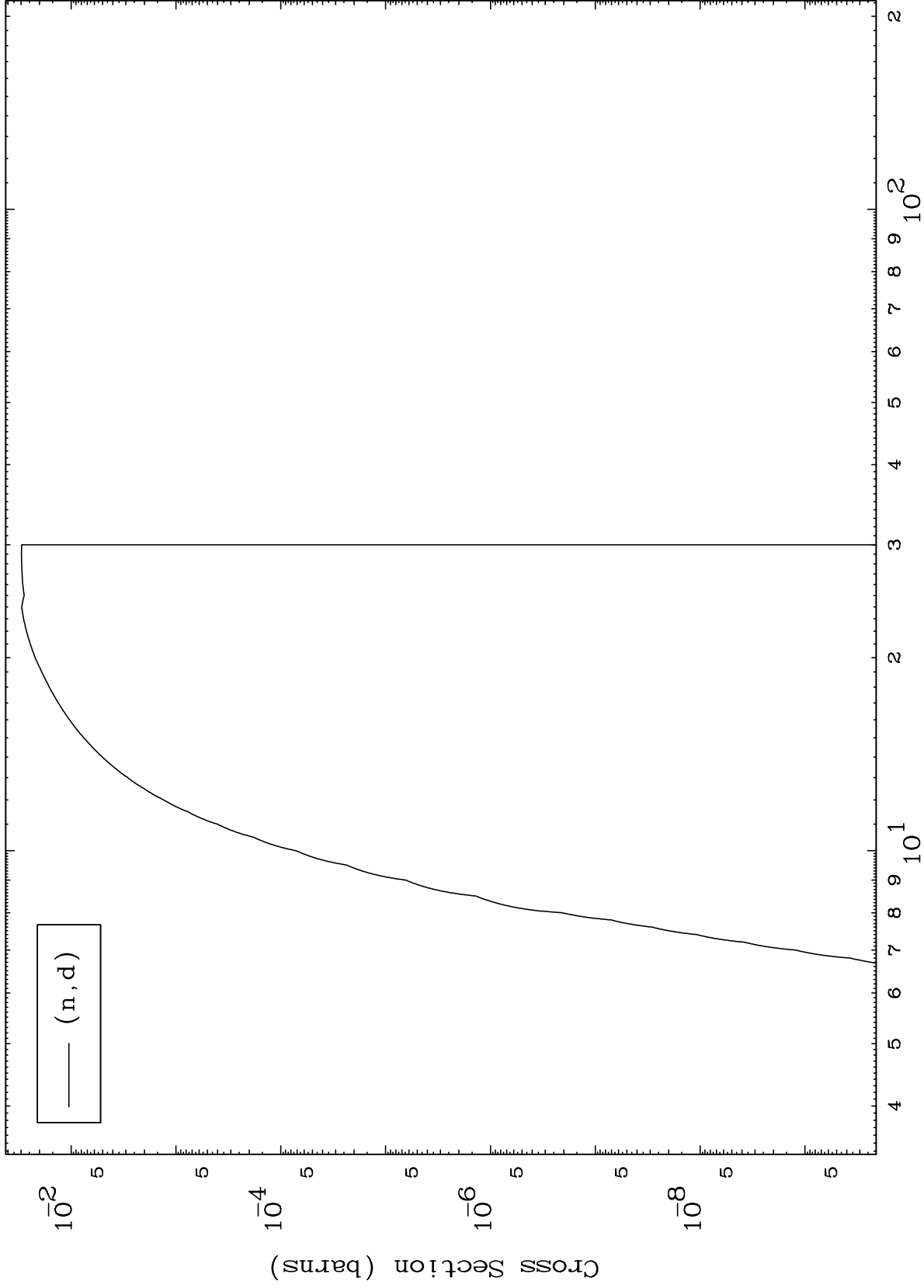
56-Ba-127



MAT 5616

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-127



11

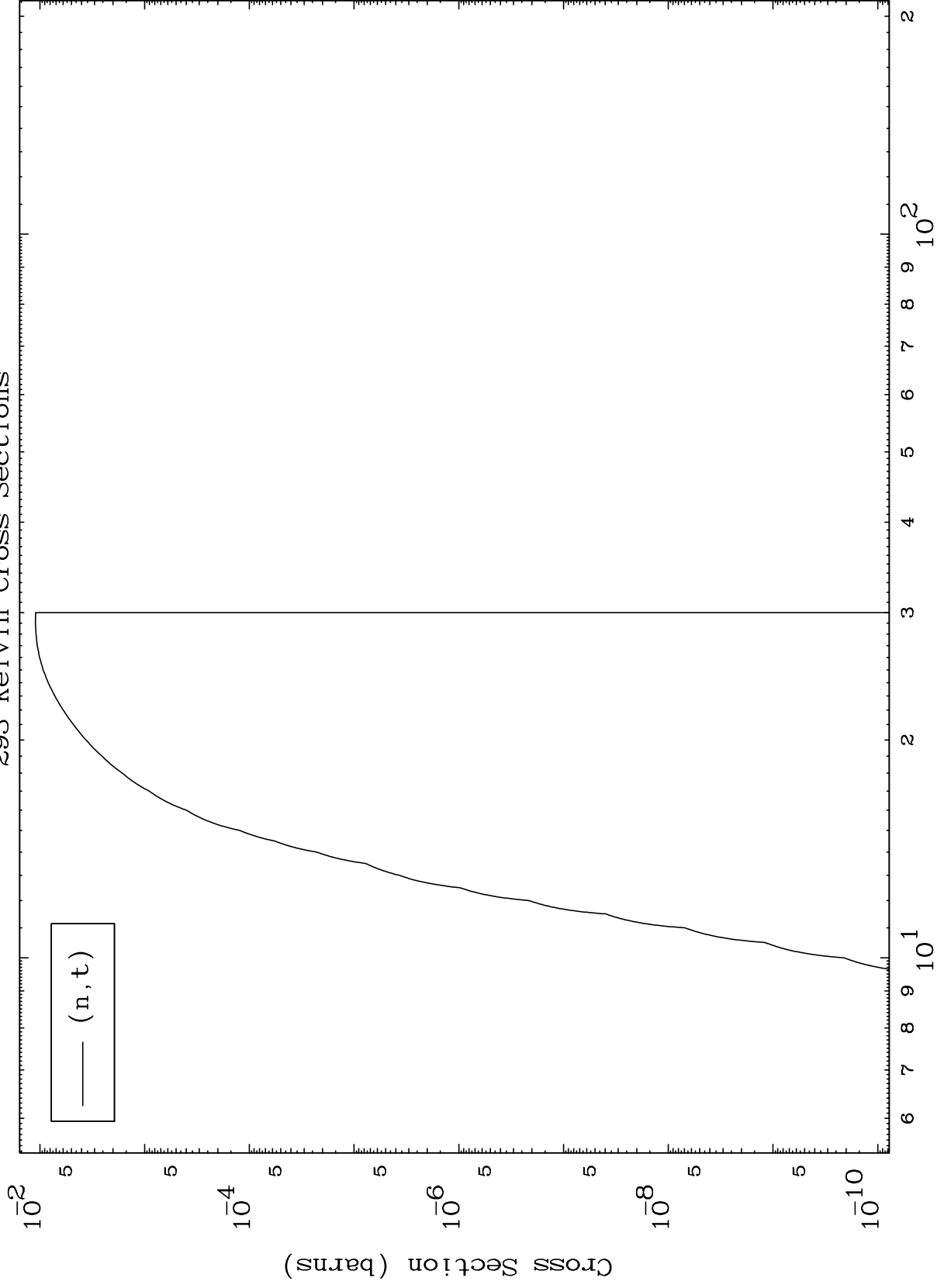
Incident Energy (MeV)

56-Ba-127

MAT 5616

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-127



12

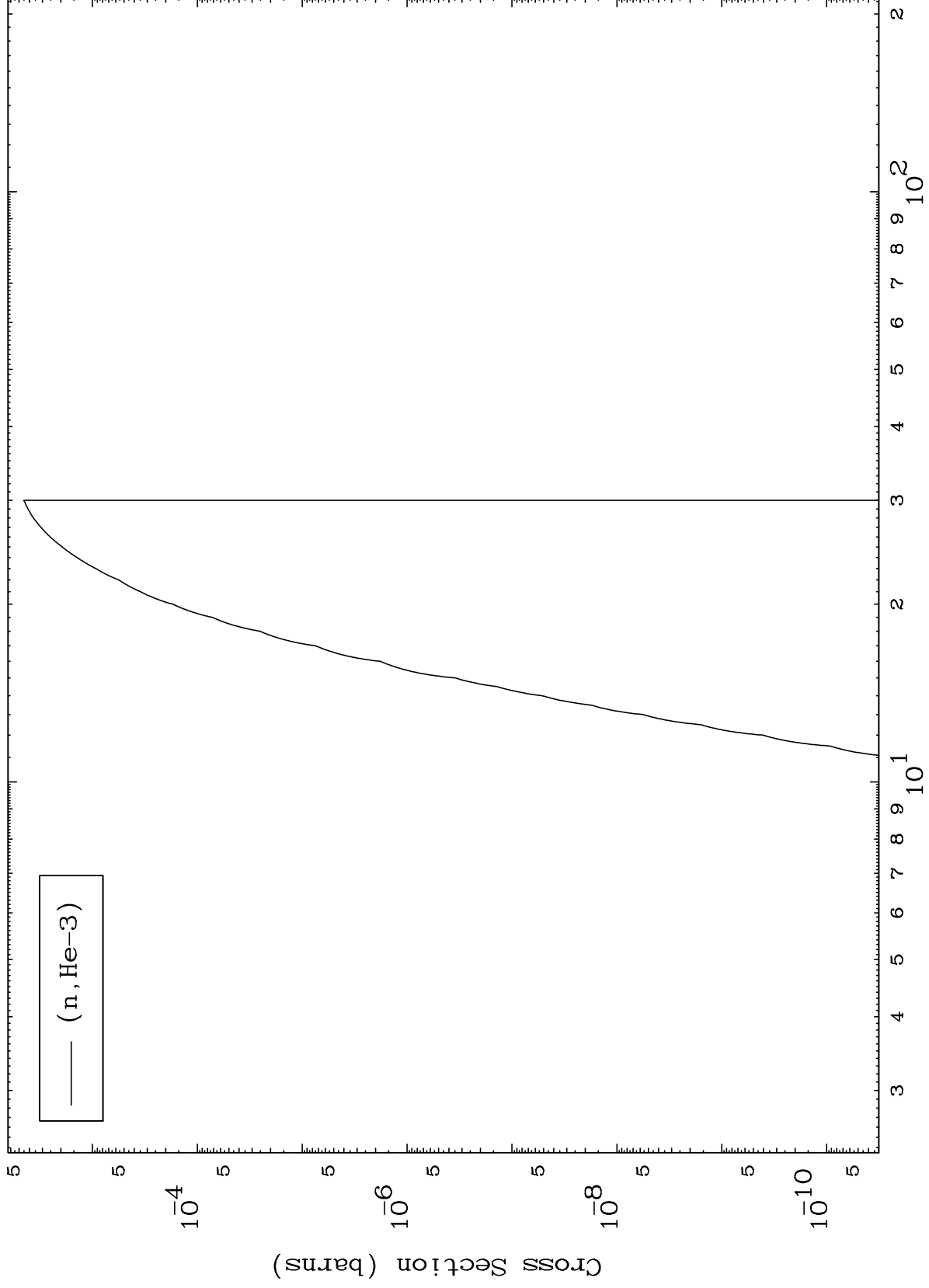
Incident Energy (MeV)

56-Ba-127

MAT 5616

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-127



13

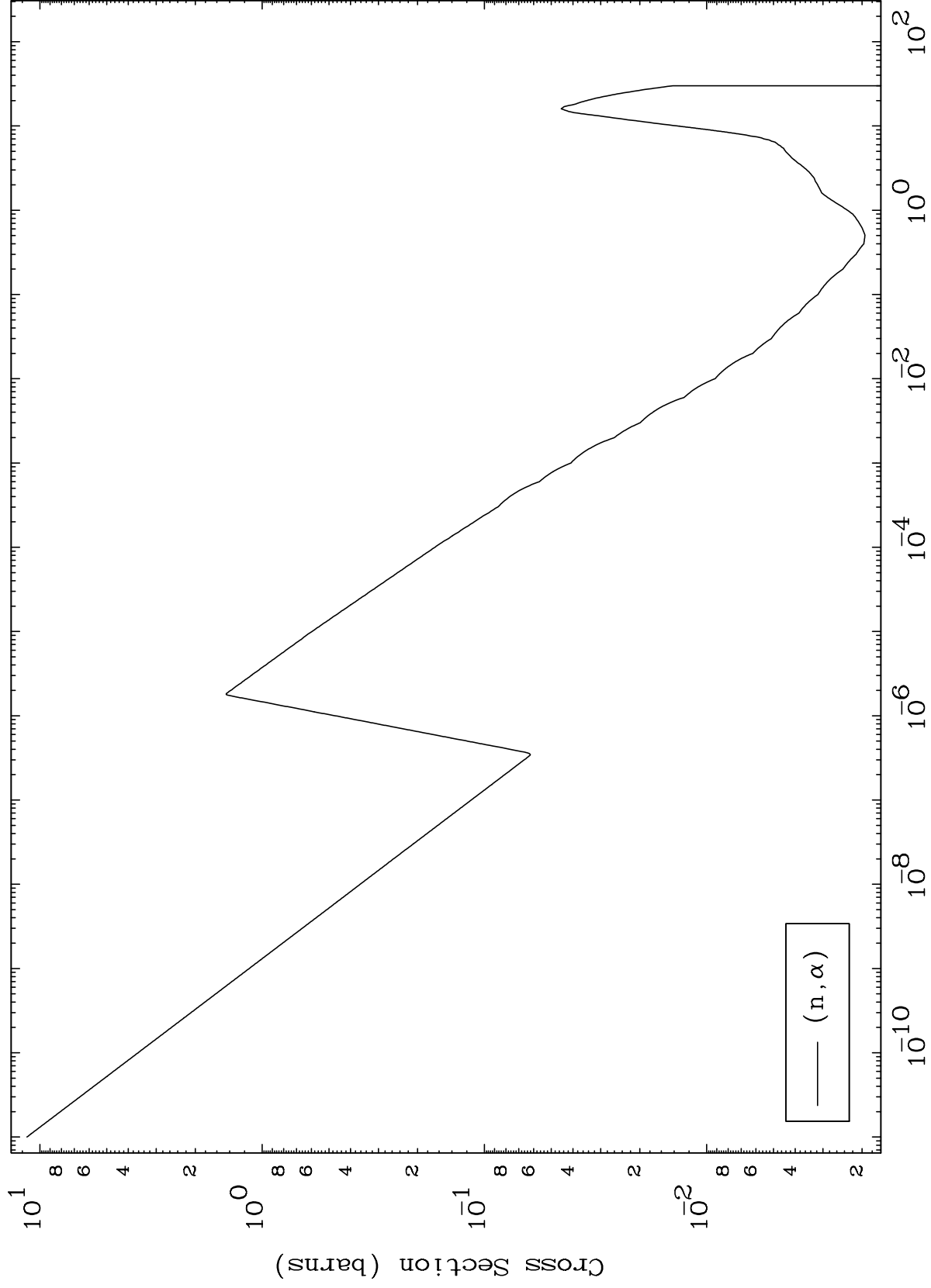
Incident Energy (MeV)

56-Ba-127

MAT 5616

(n,α) Levels
293 Kelvin Cross Sections

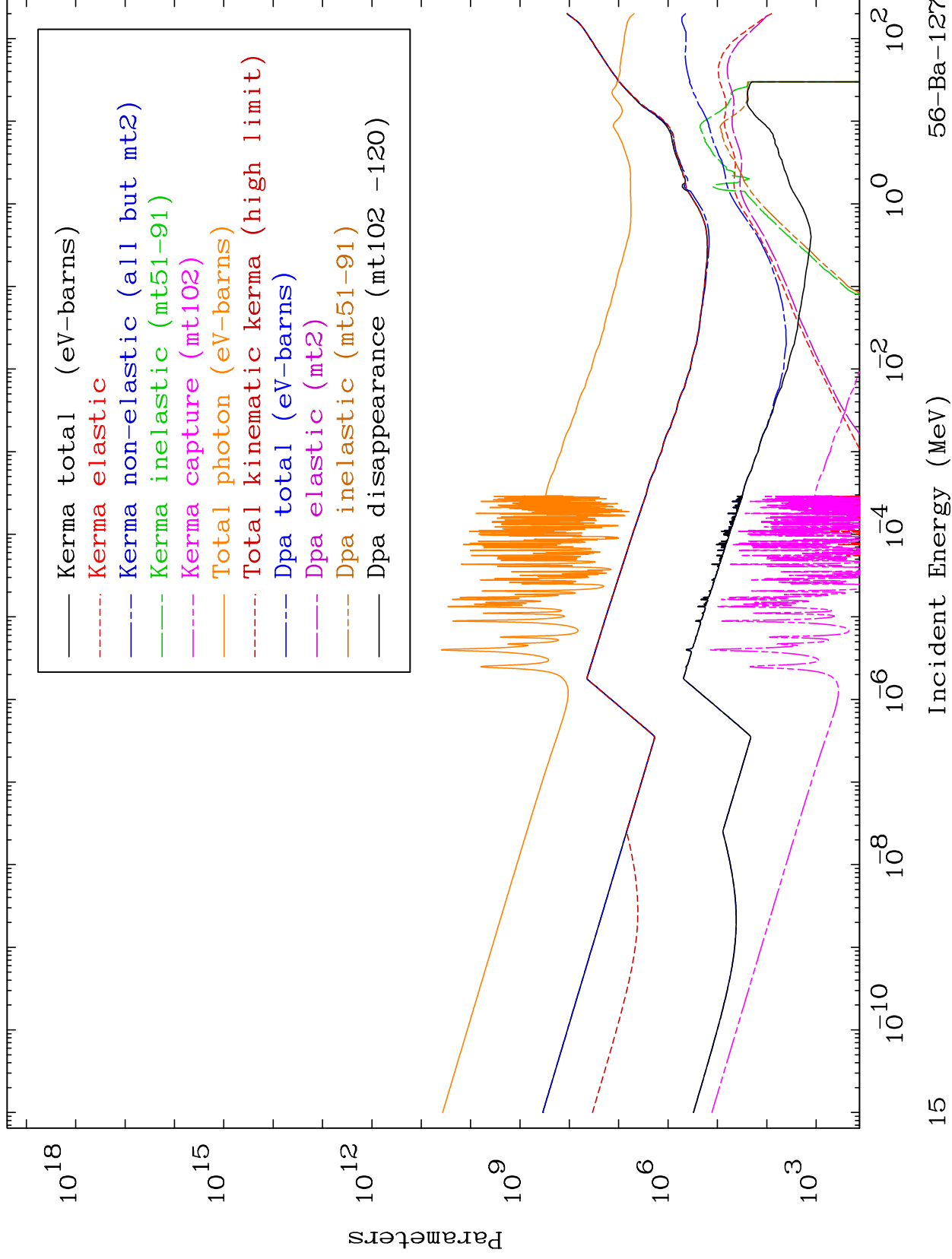
56-Ba-127



14

Incident Energy (MeV)

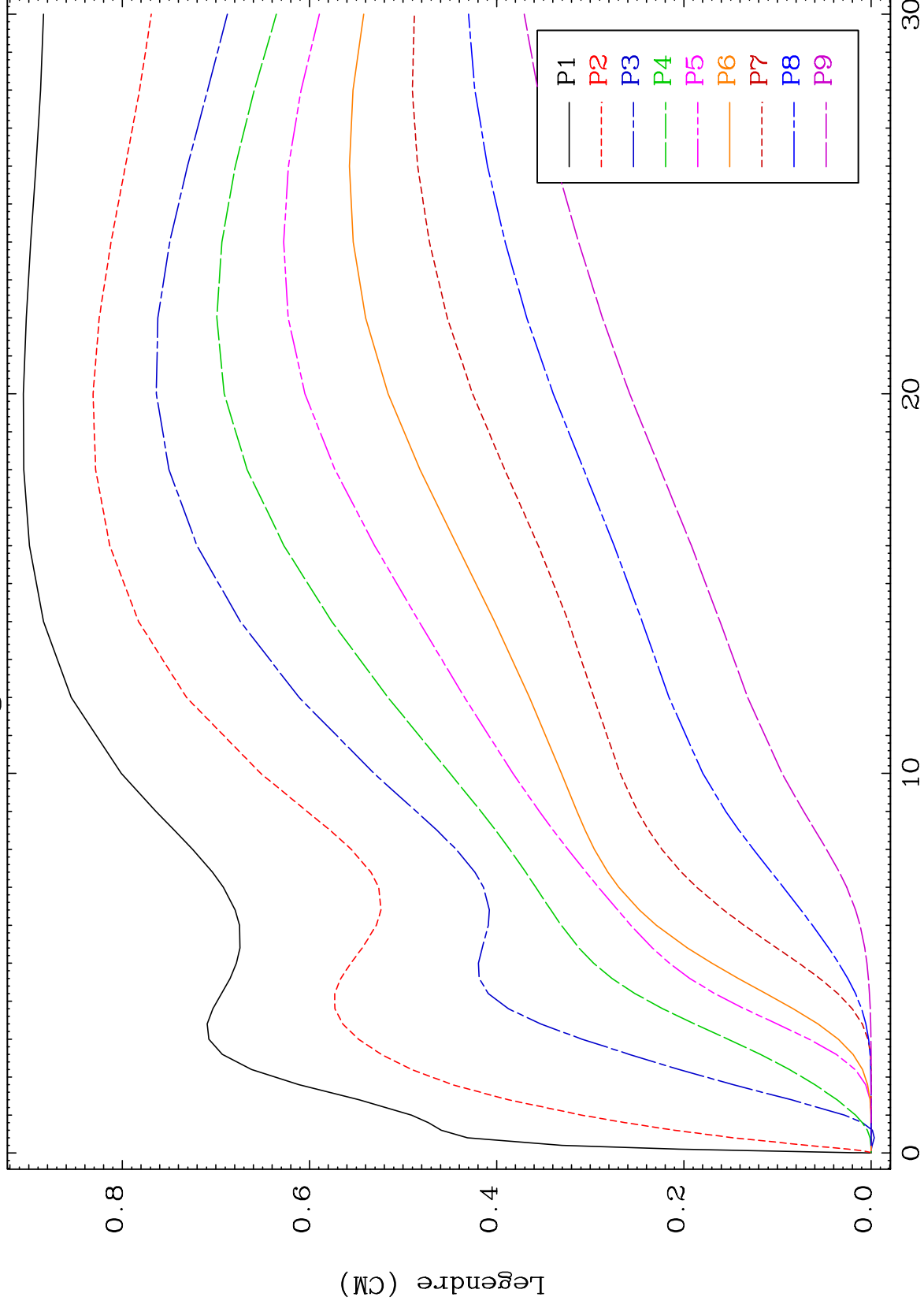
56-Ba-127



MAT 5616

Elastic Legendre Coefficients

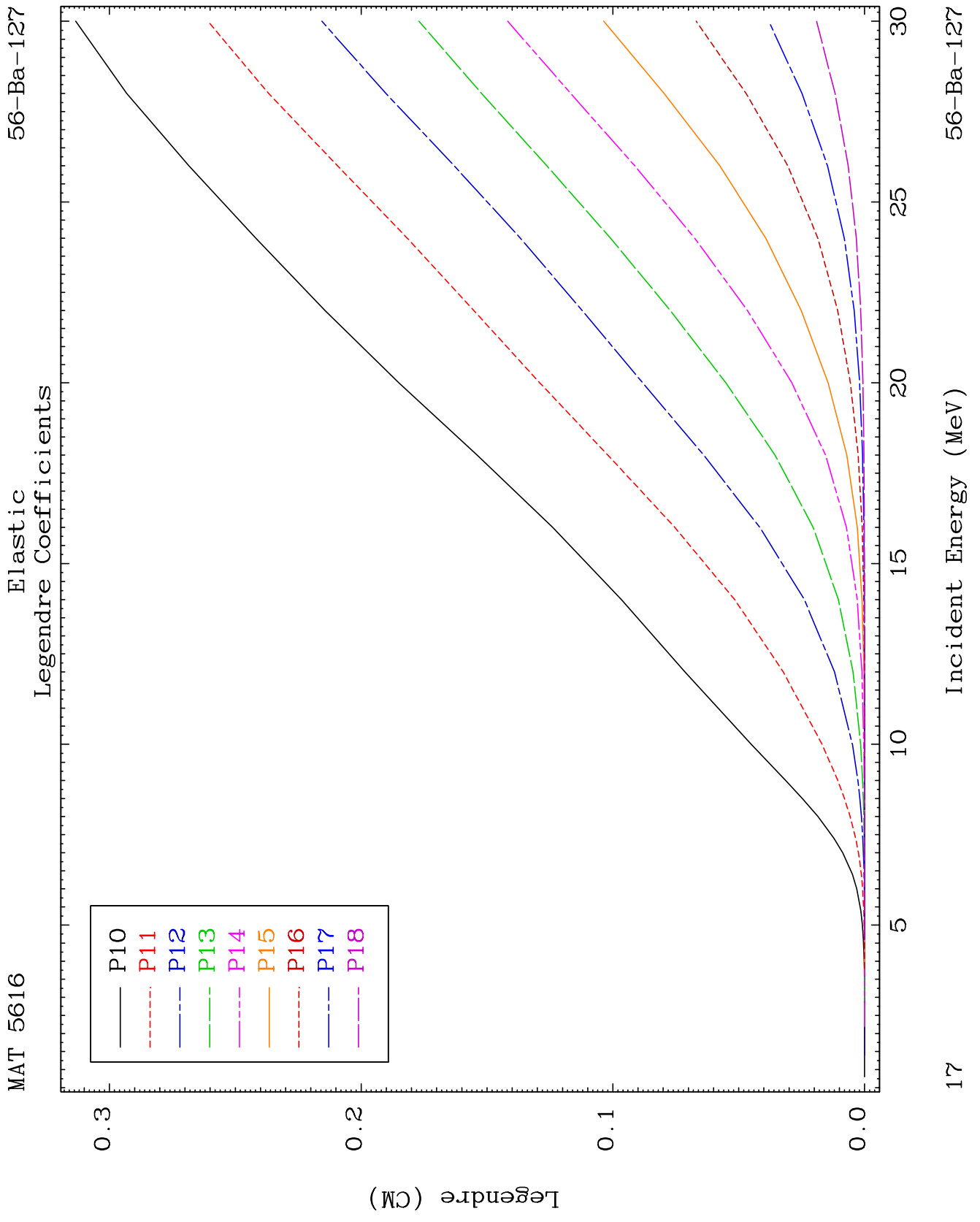
56-Ba-127



16

Incident Energy (MeV)

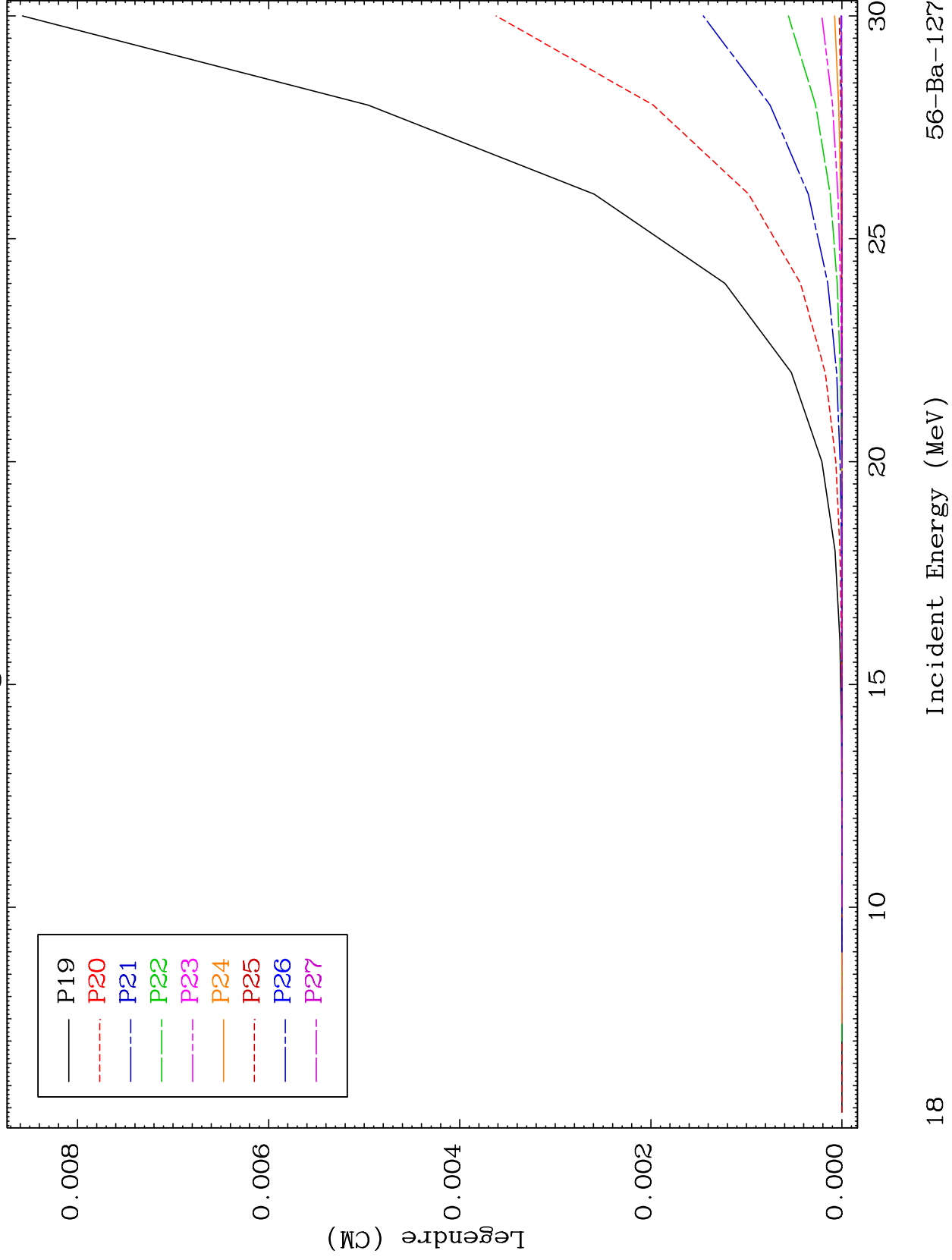
56-Ba-127



MAT 5616

Elastic Legendre Coefficients

56-Ba-127



18

Incident Energy (MeV)

56-Ba-127

30

25

20

15

10

0.008

0.006

0.004

0.002

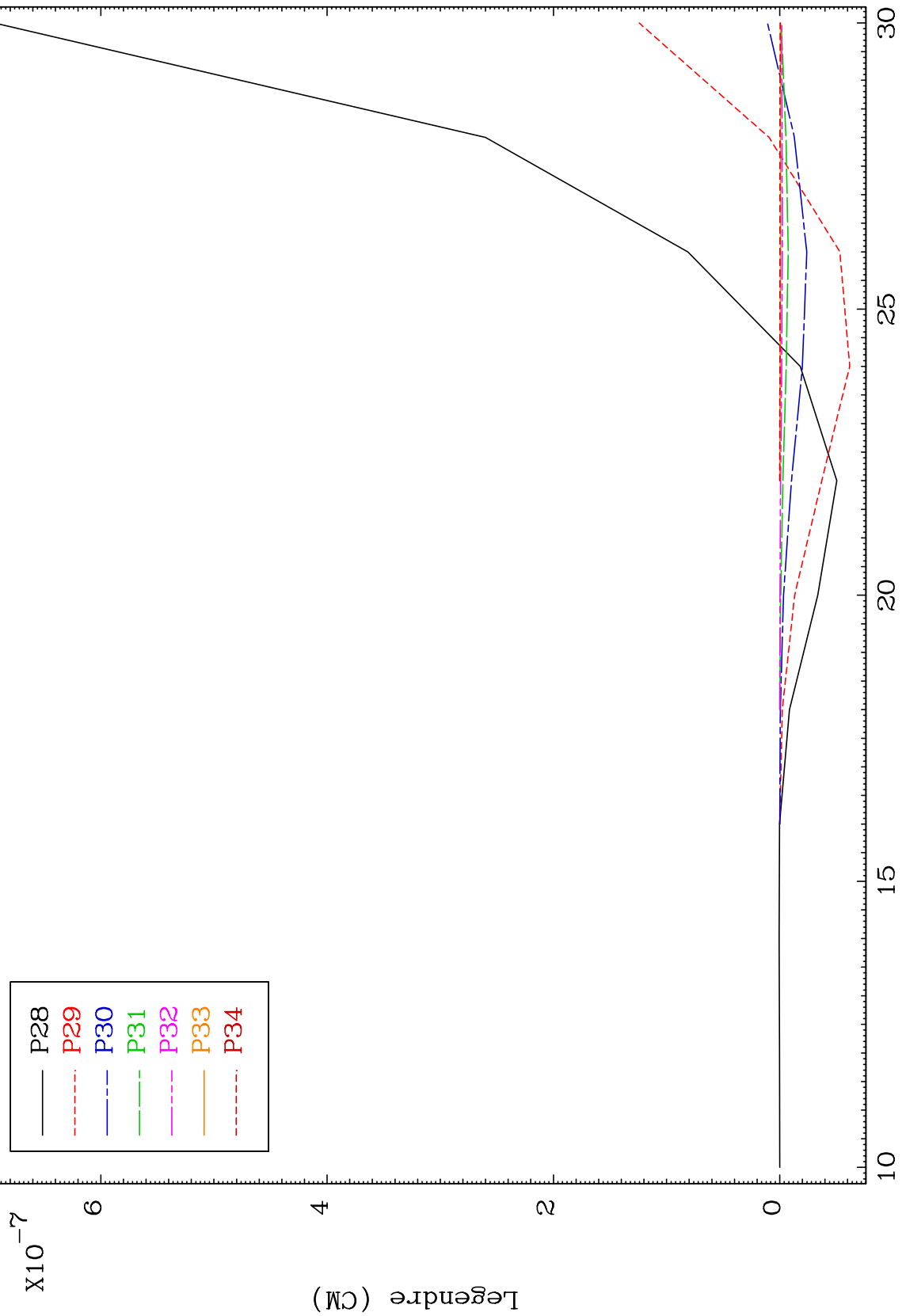
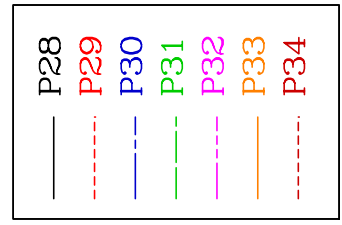
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Legendre (CM)

MAT 5616

Elastic Legendre Coefficients

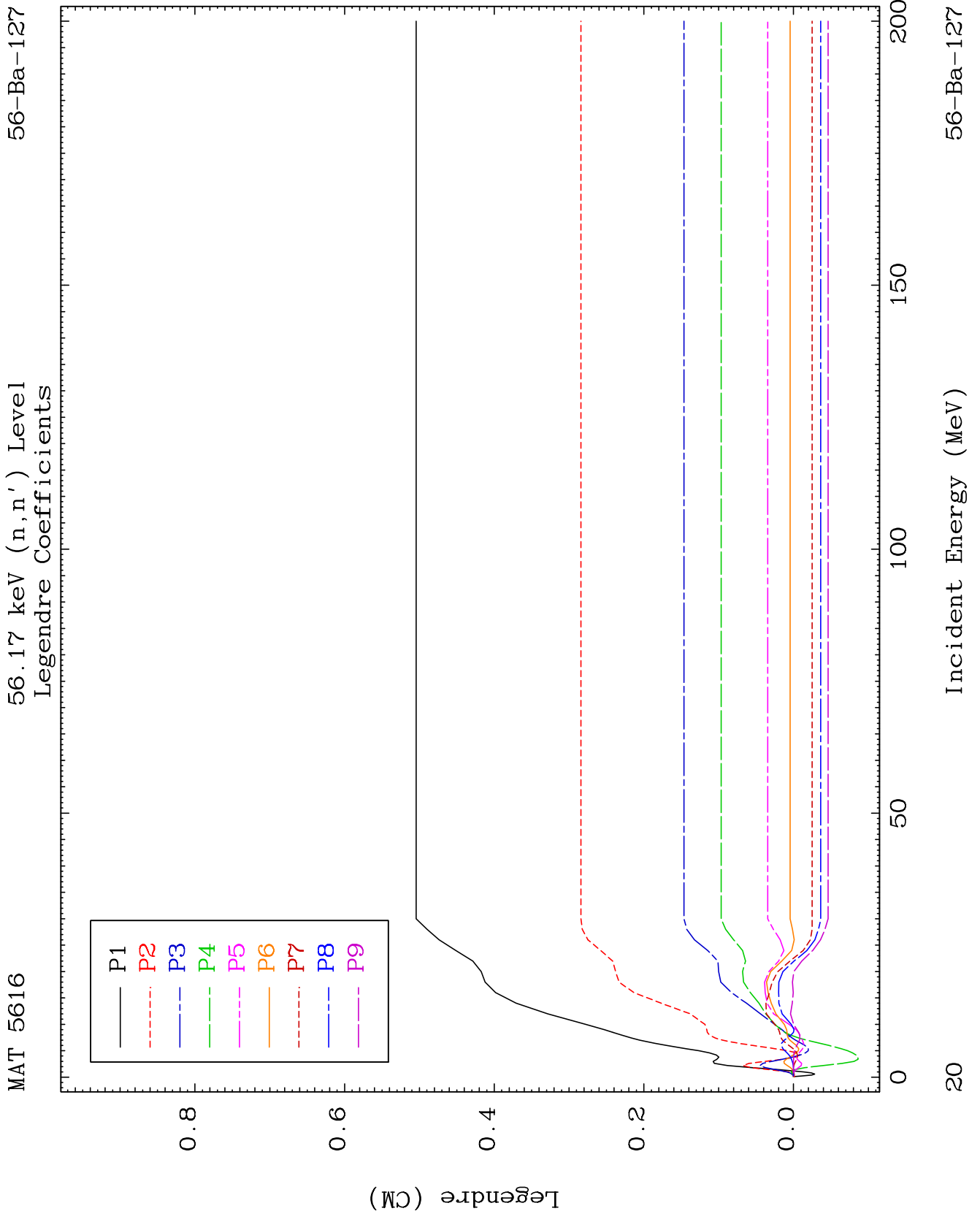
56-Ba-127

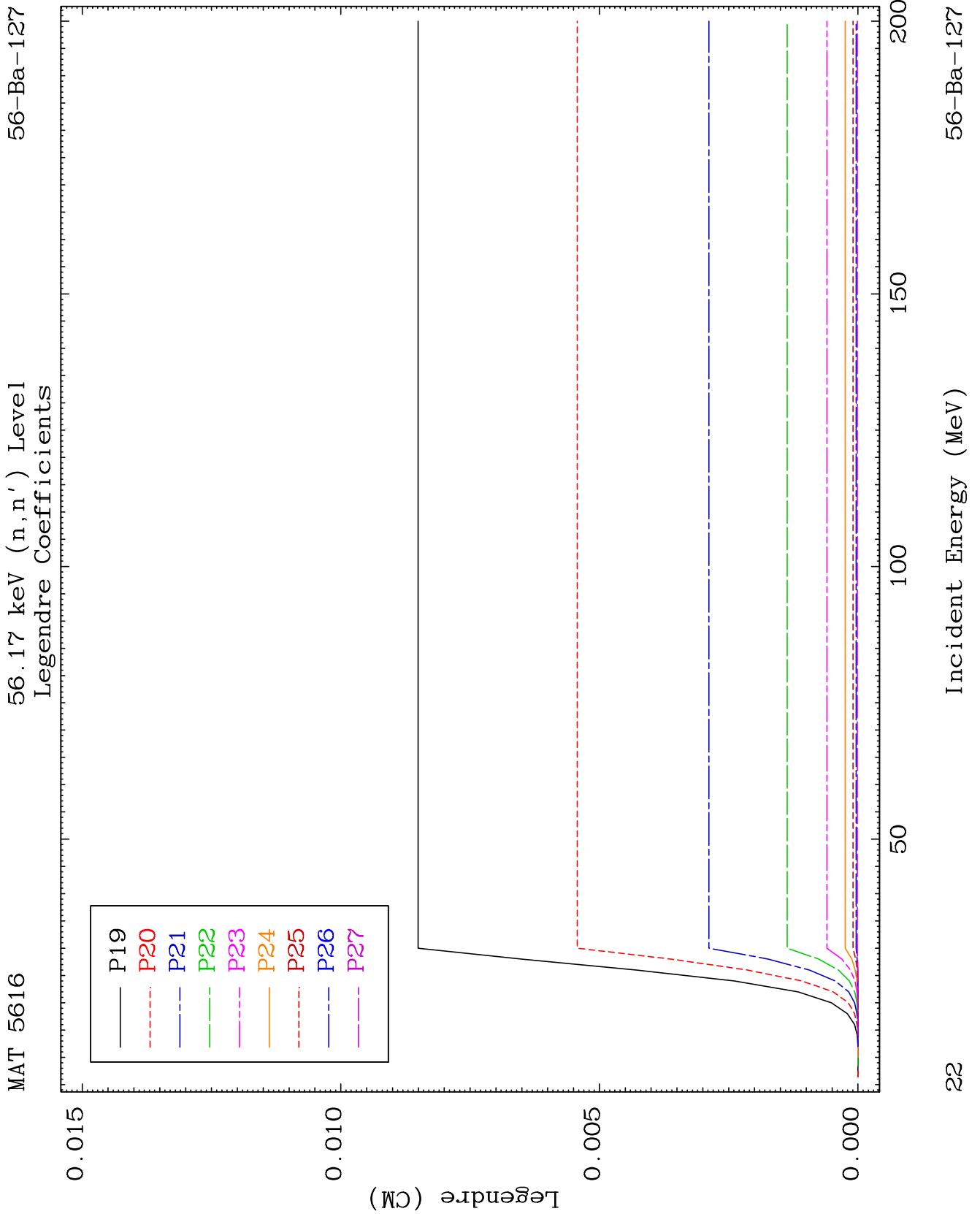


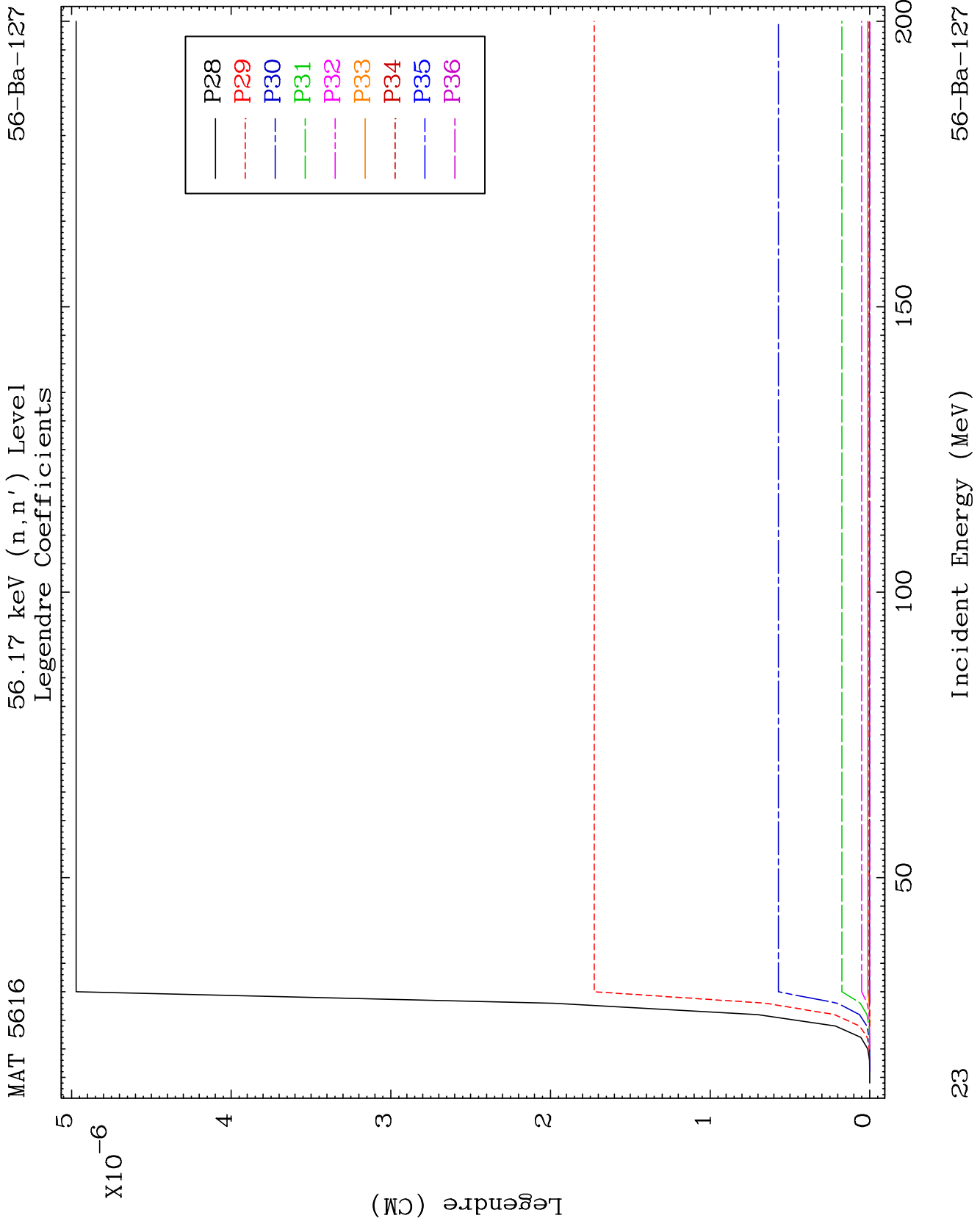
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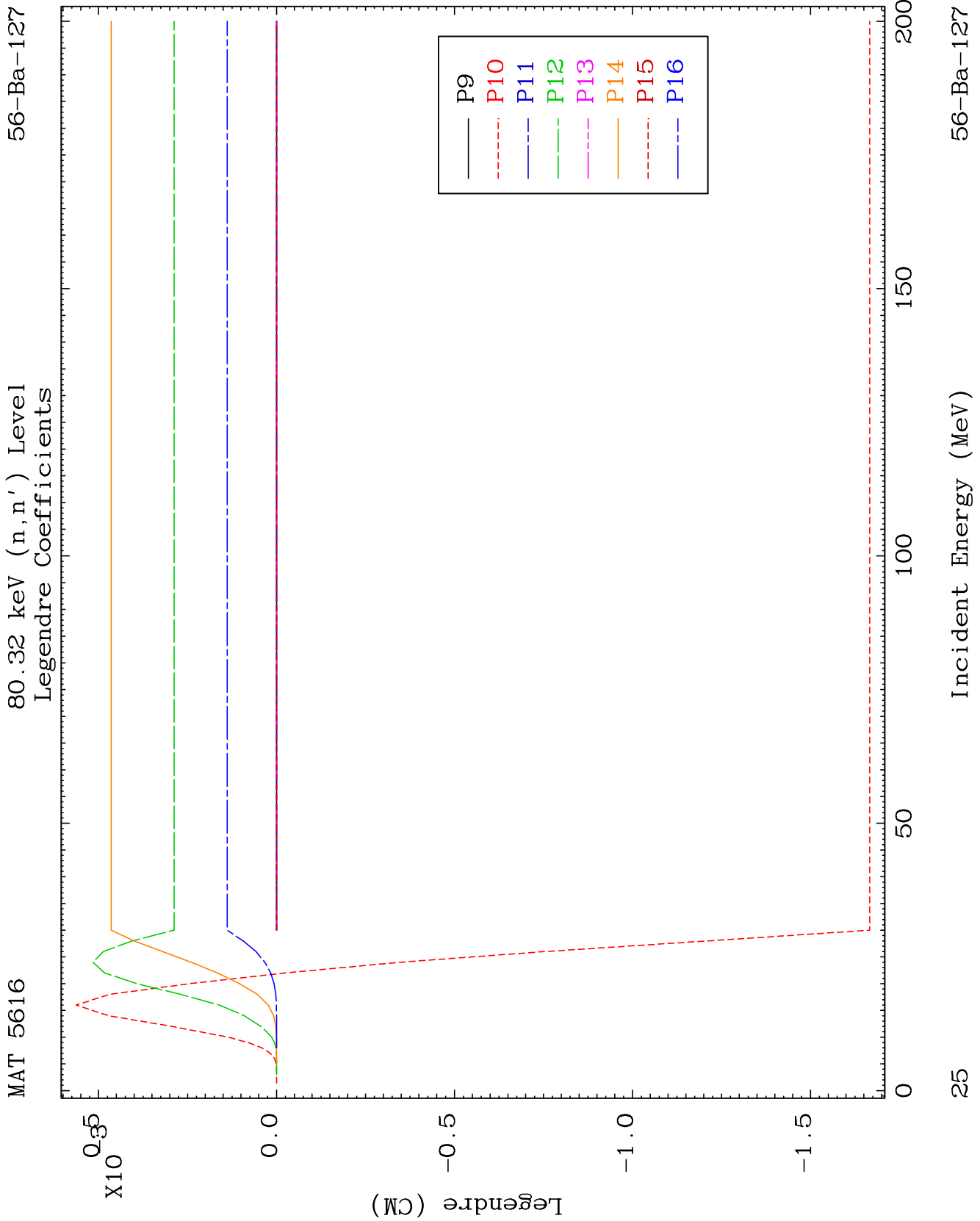
Incident Energy (MeV)

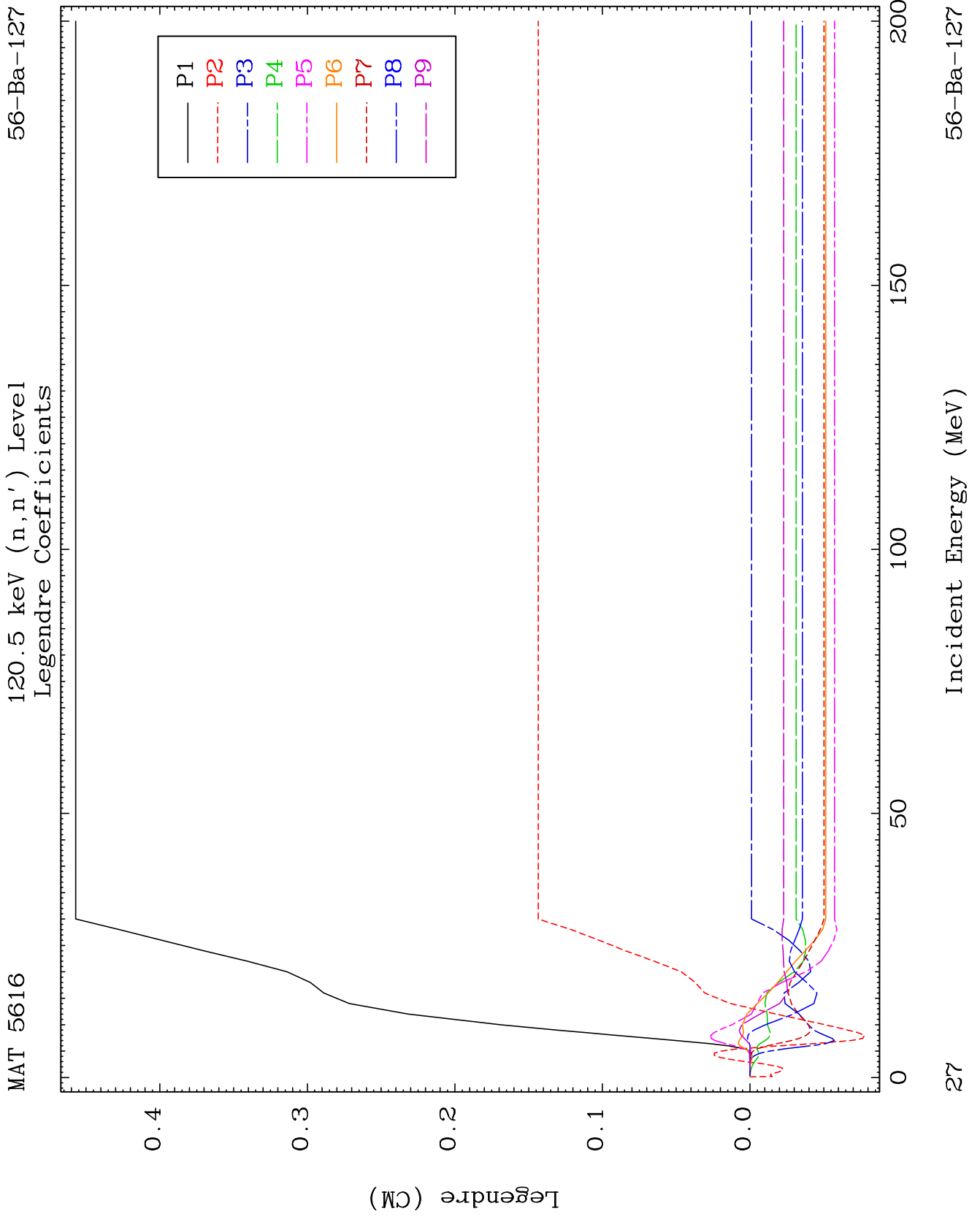
56-Ba-127

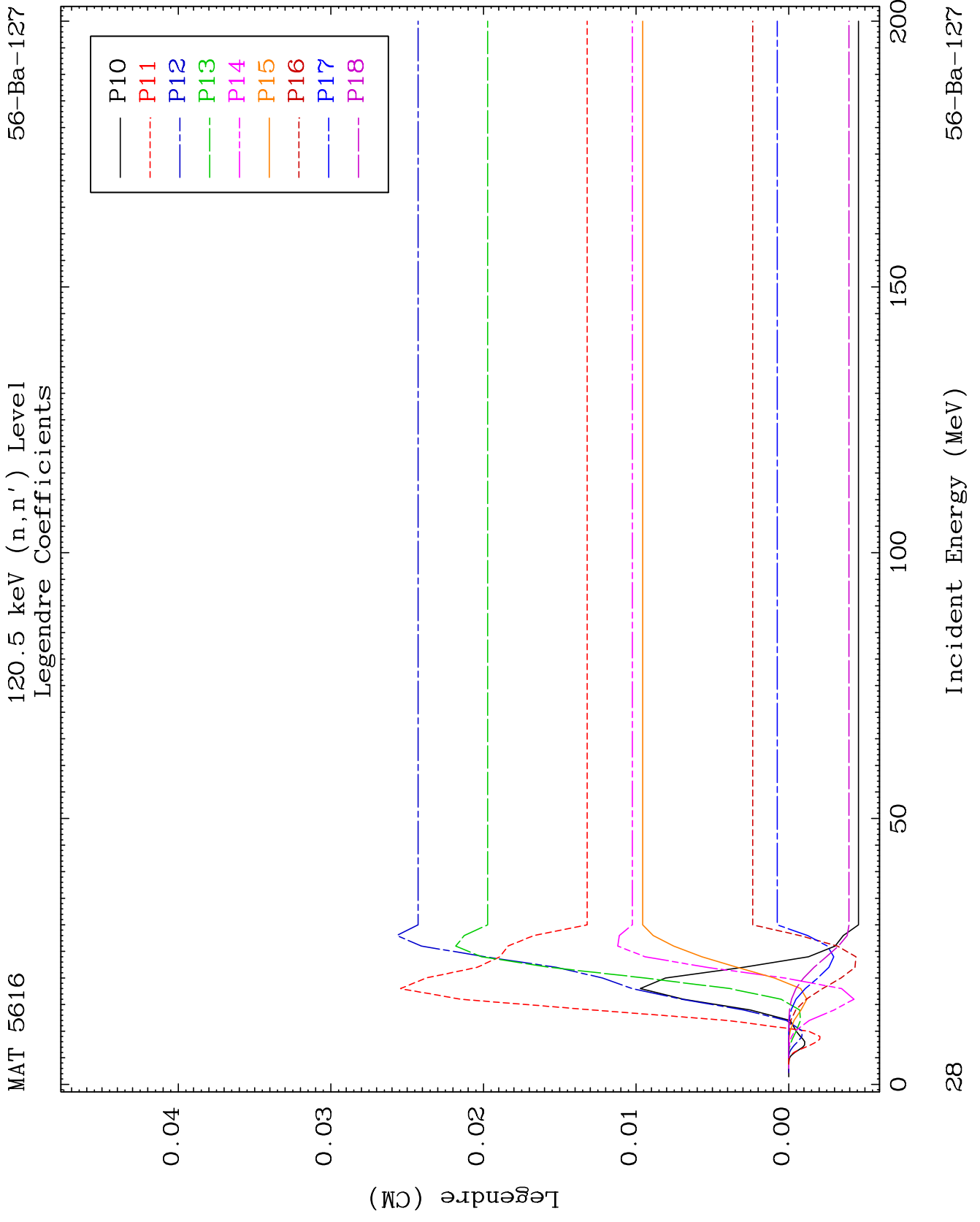


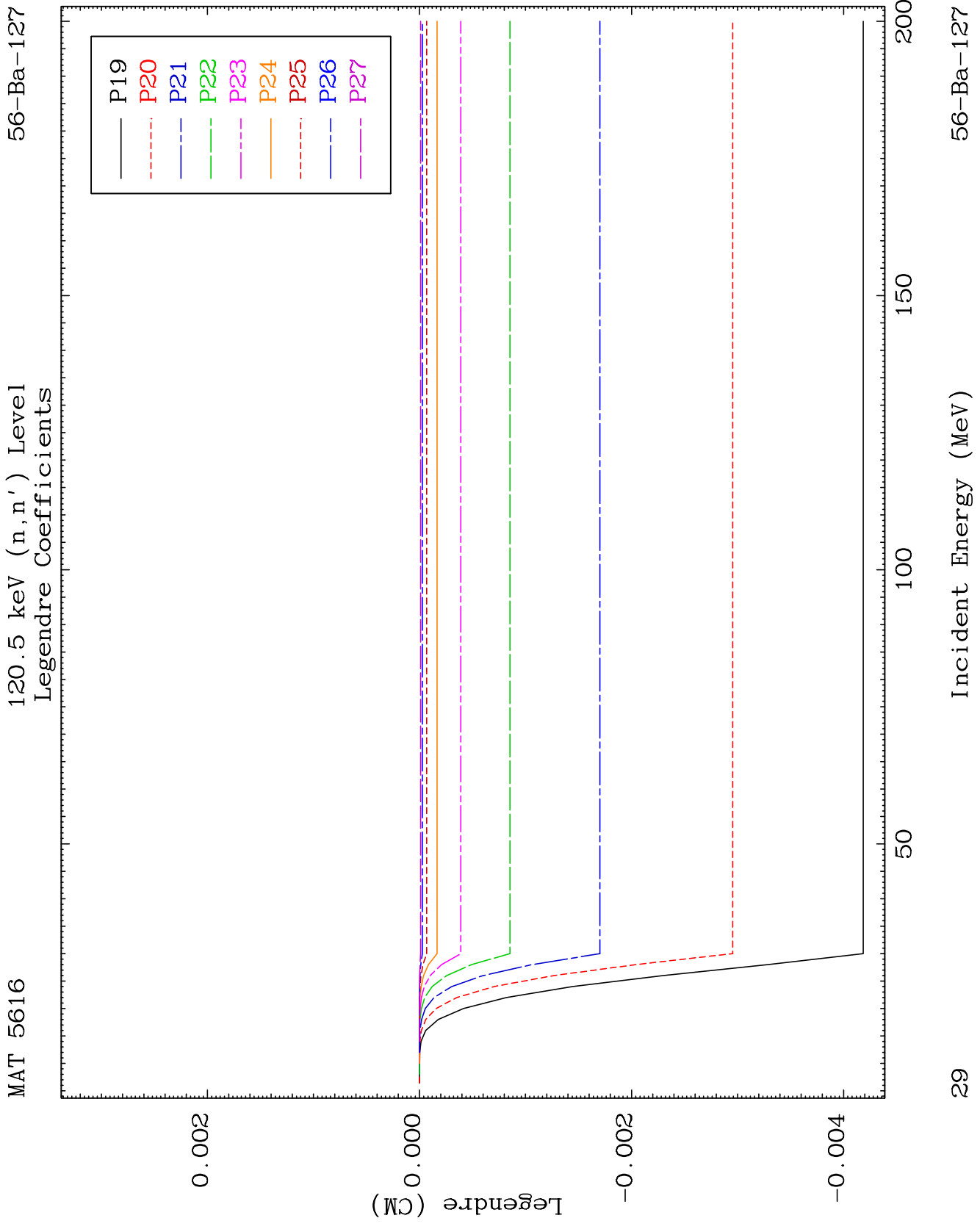


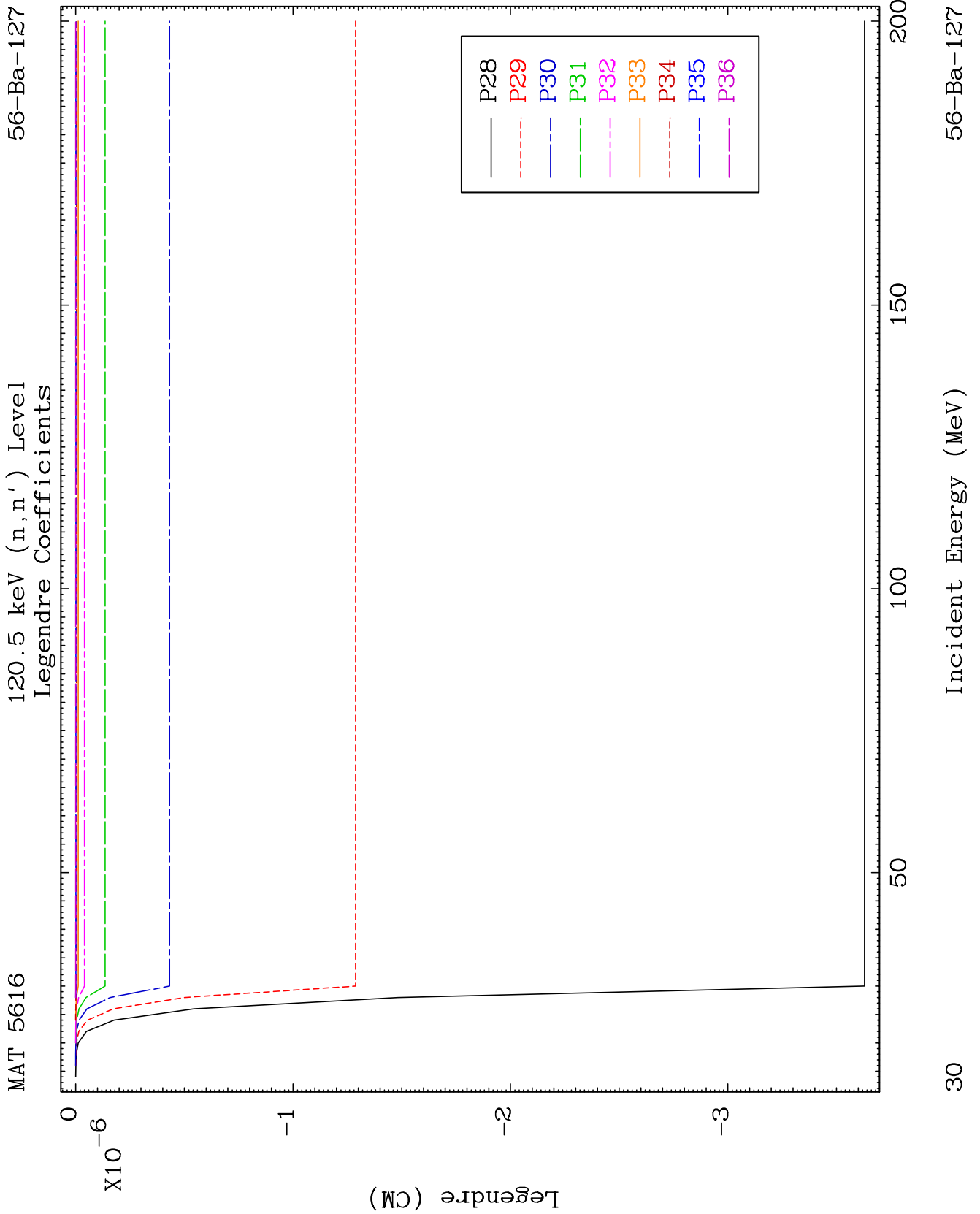


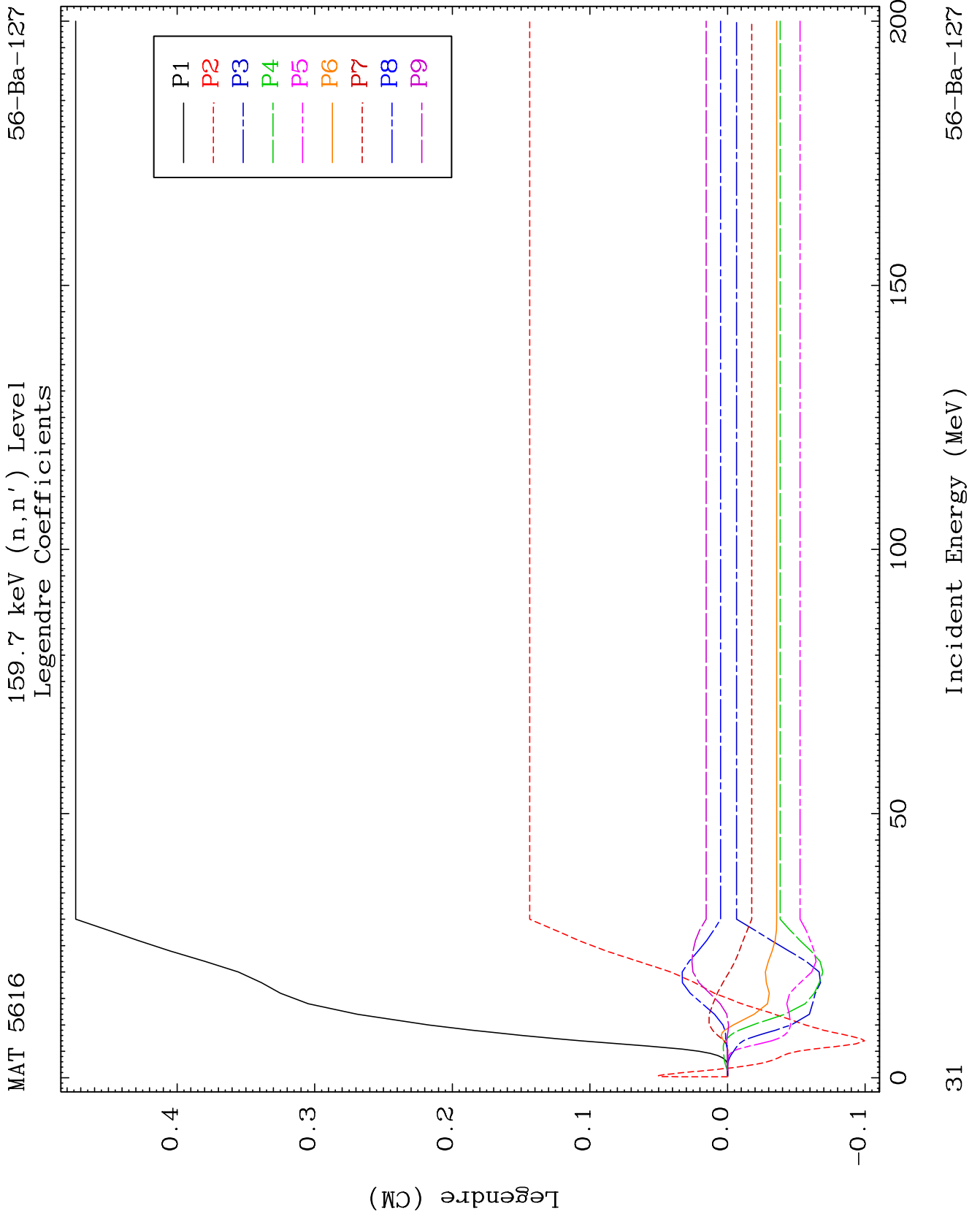


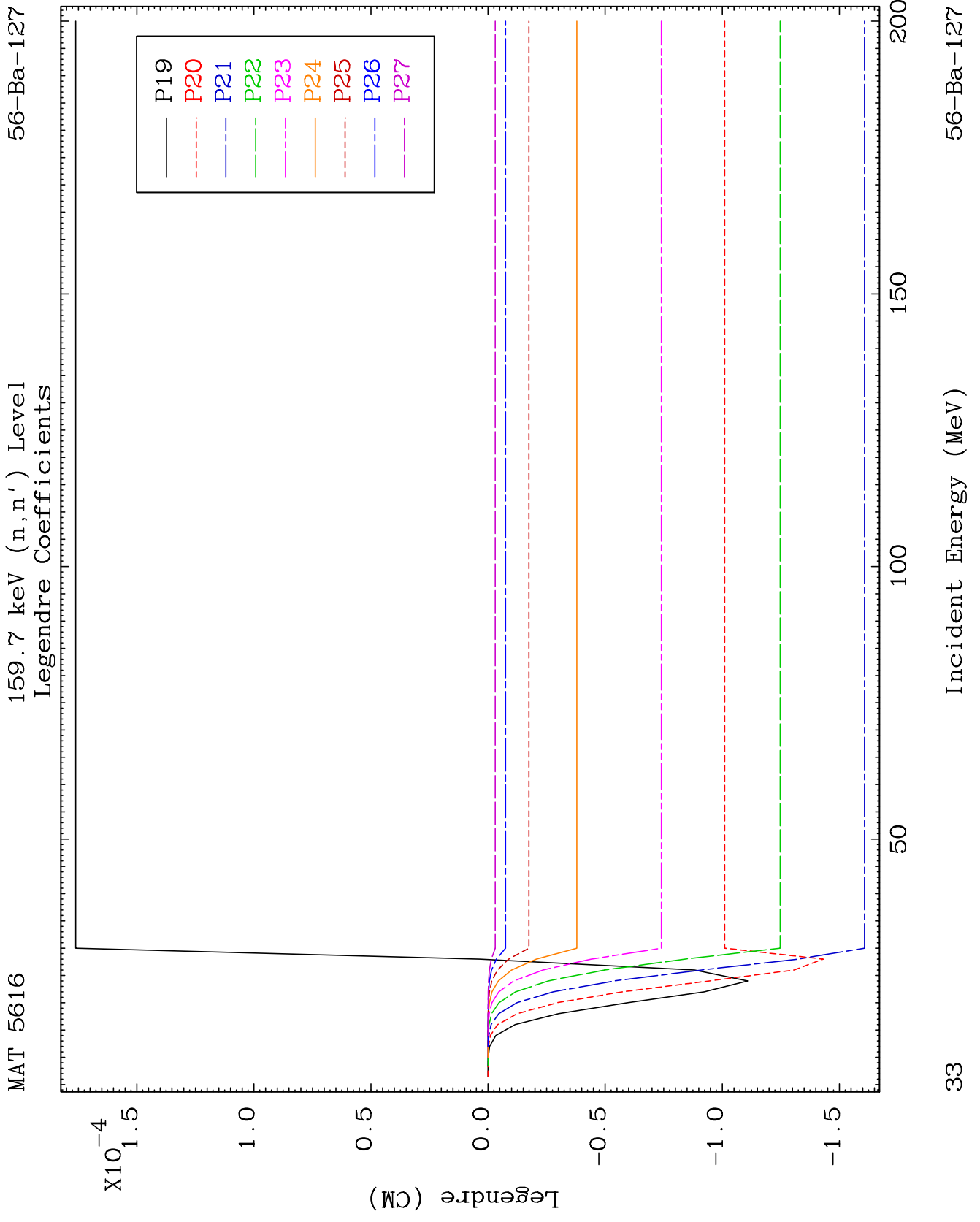


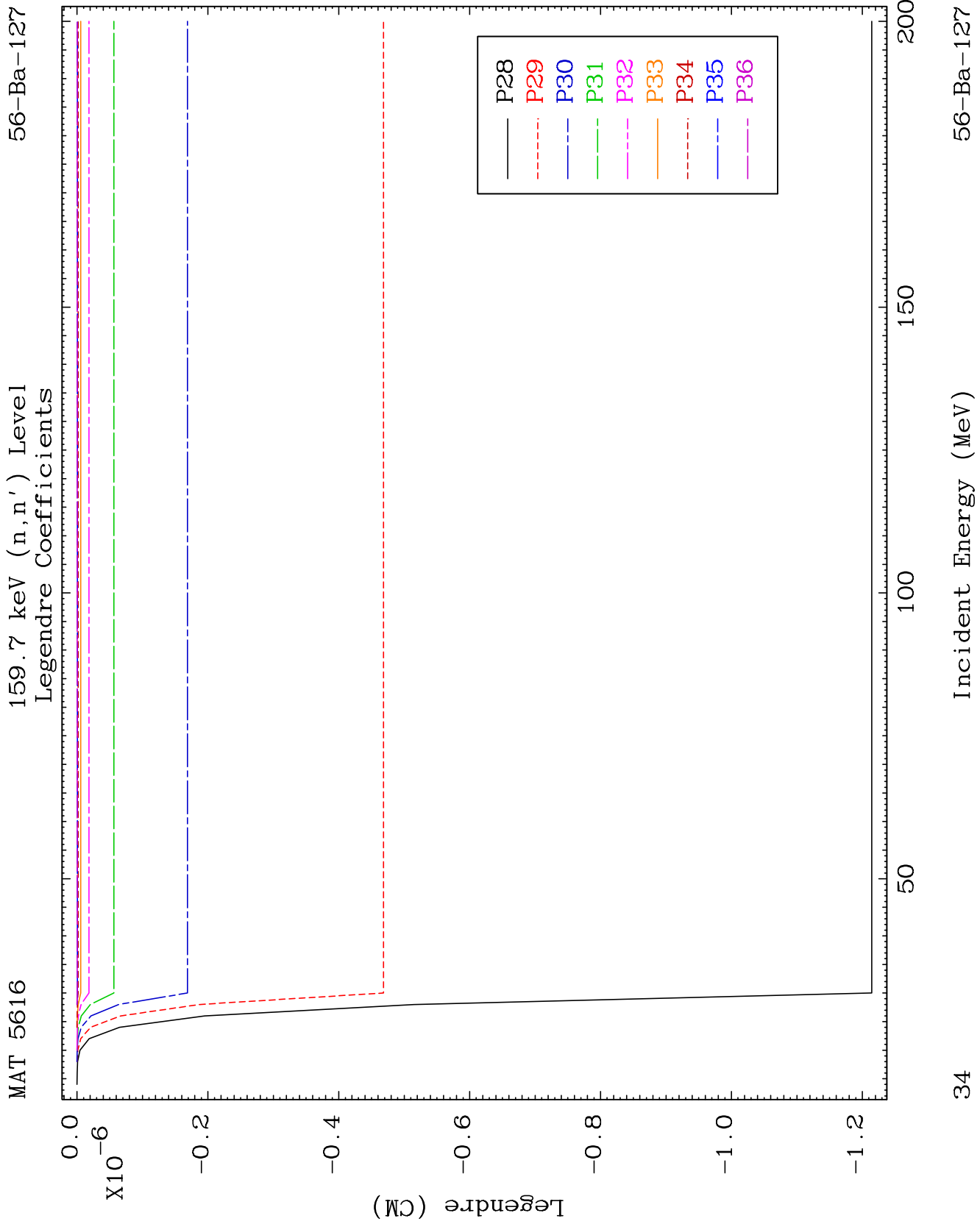


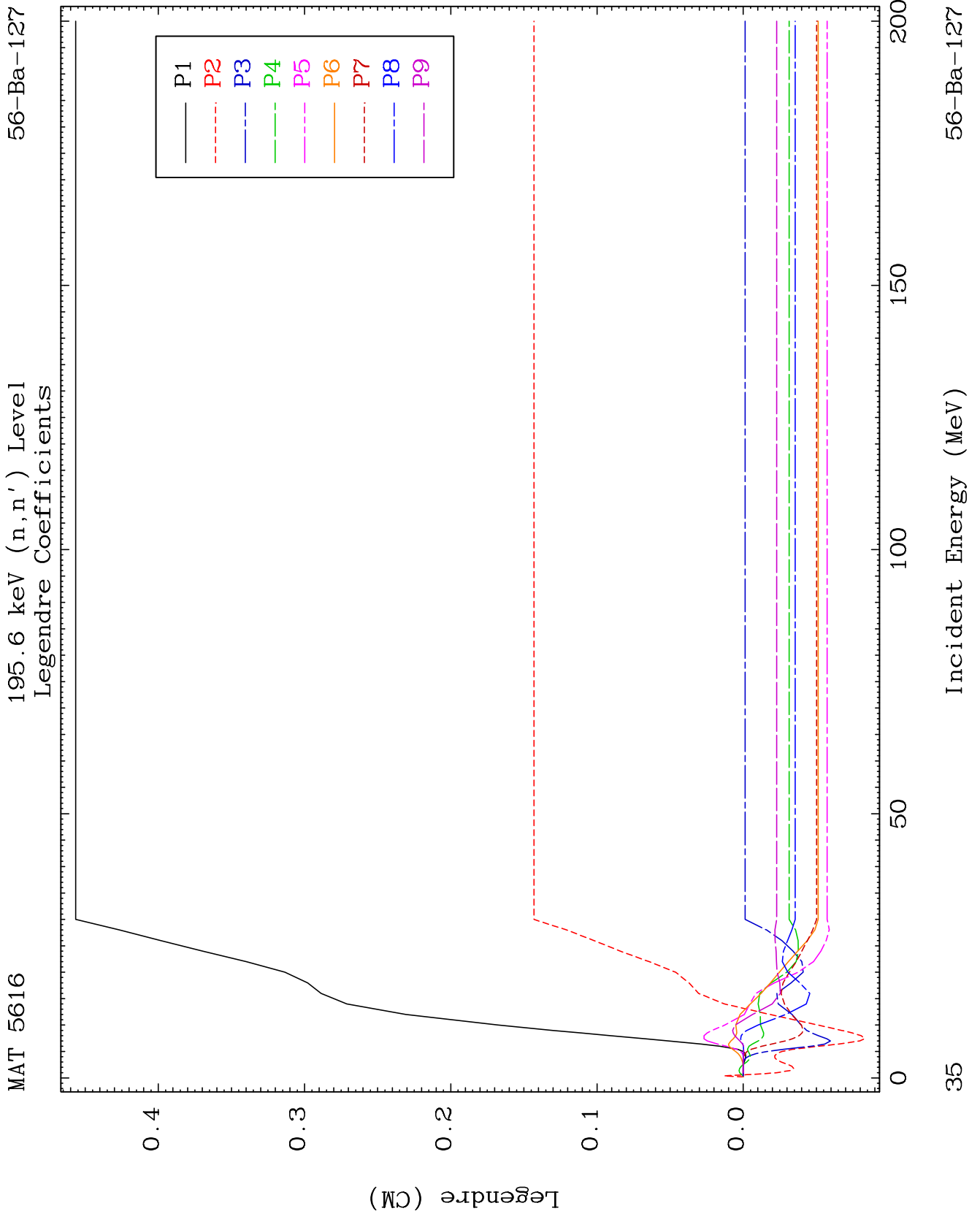


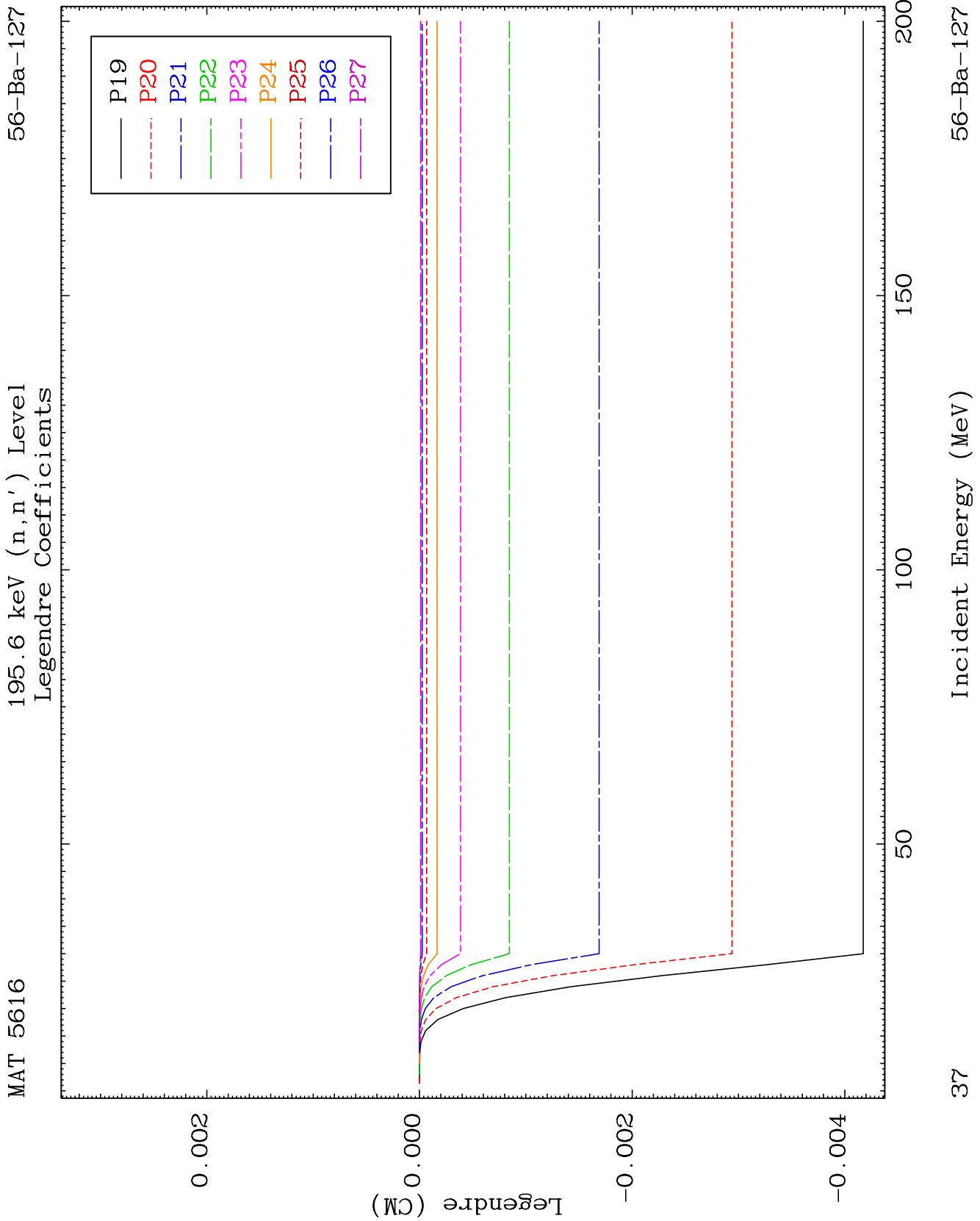


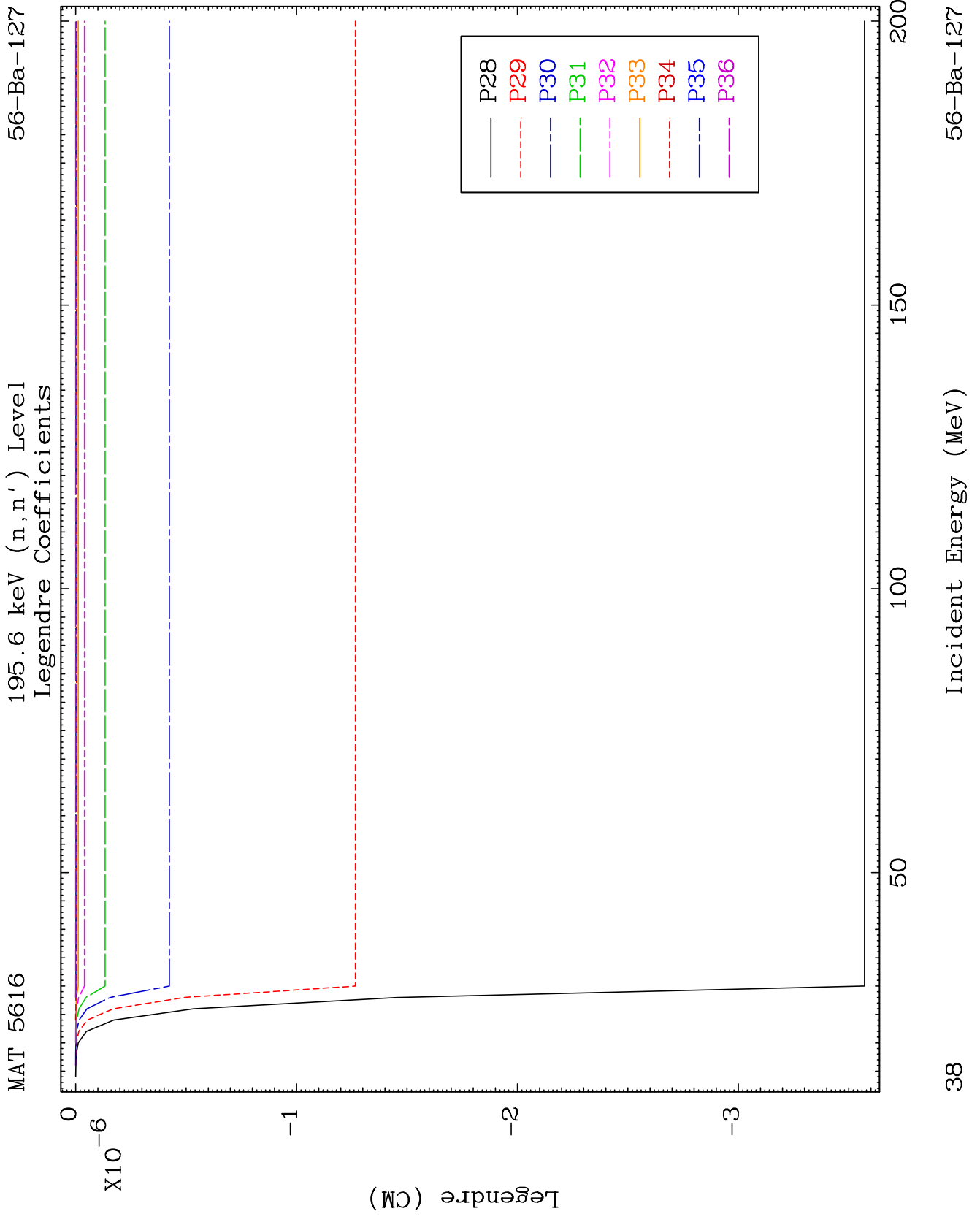








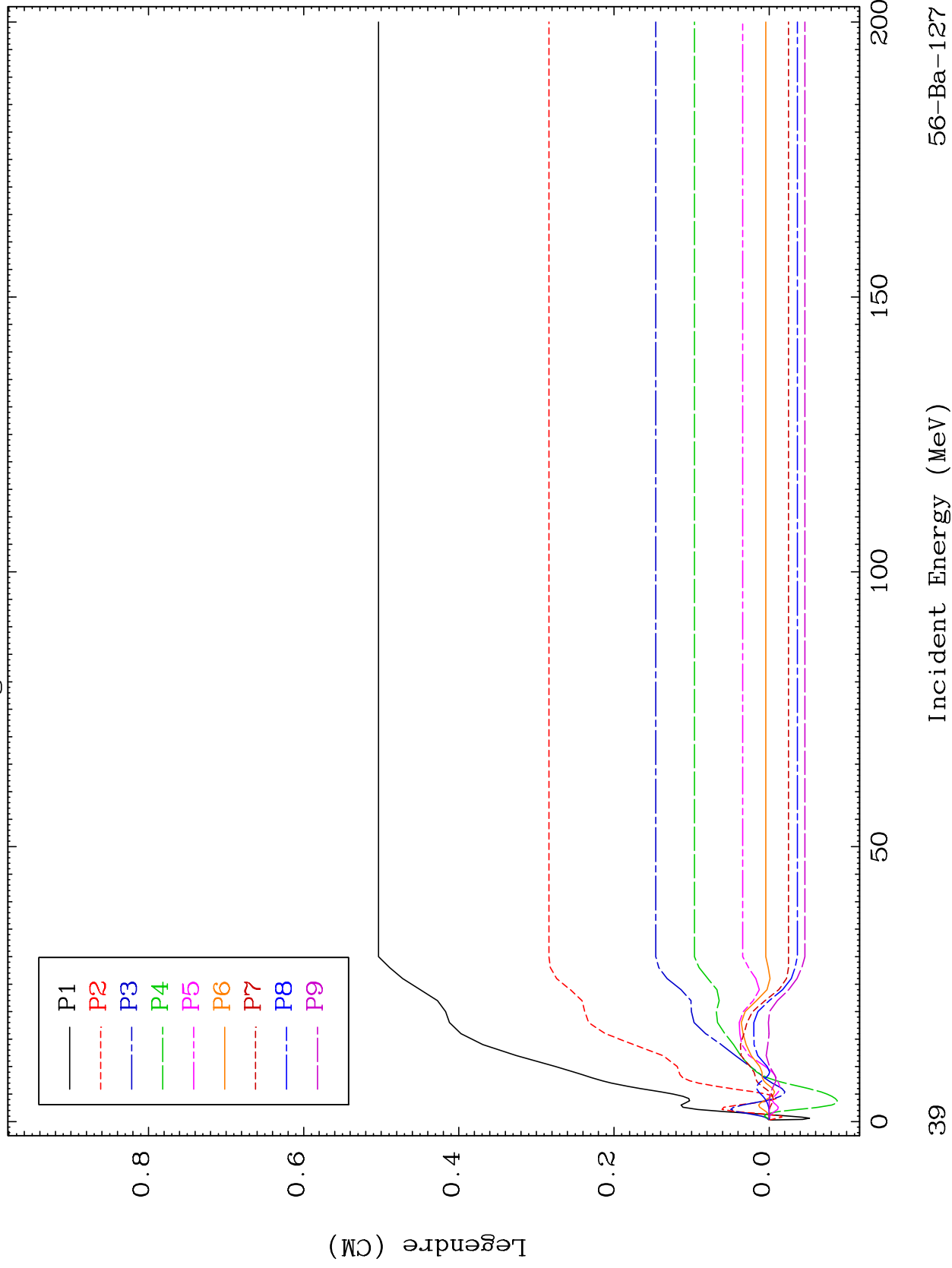




MAT 5616

269.6 keV (n,n') Level
Legendre Coefficients

56-Ba-127



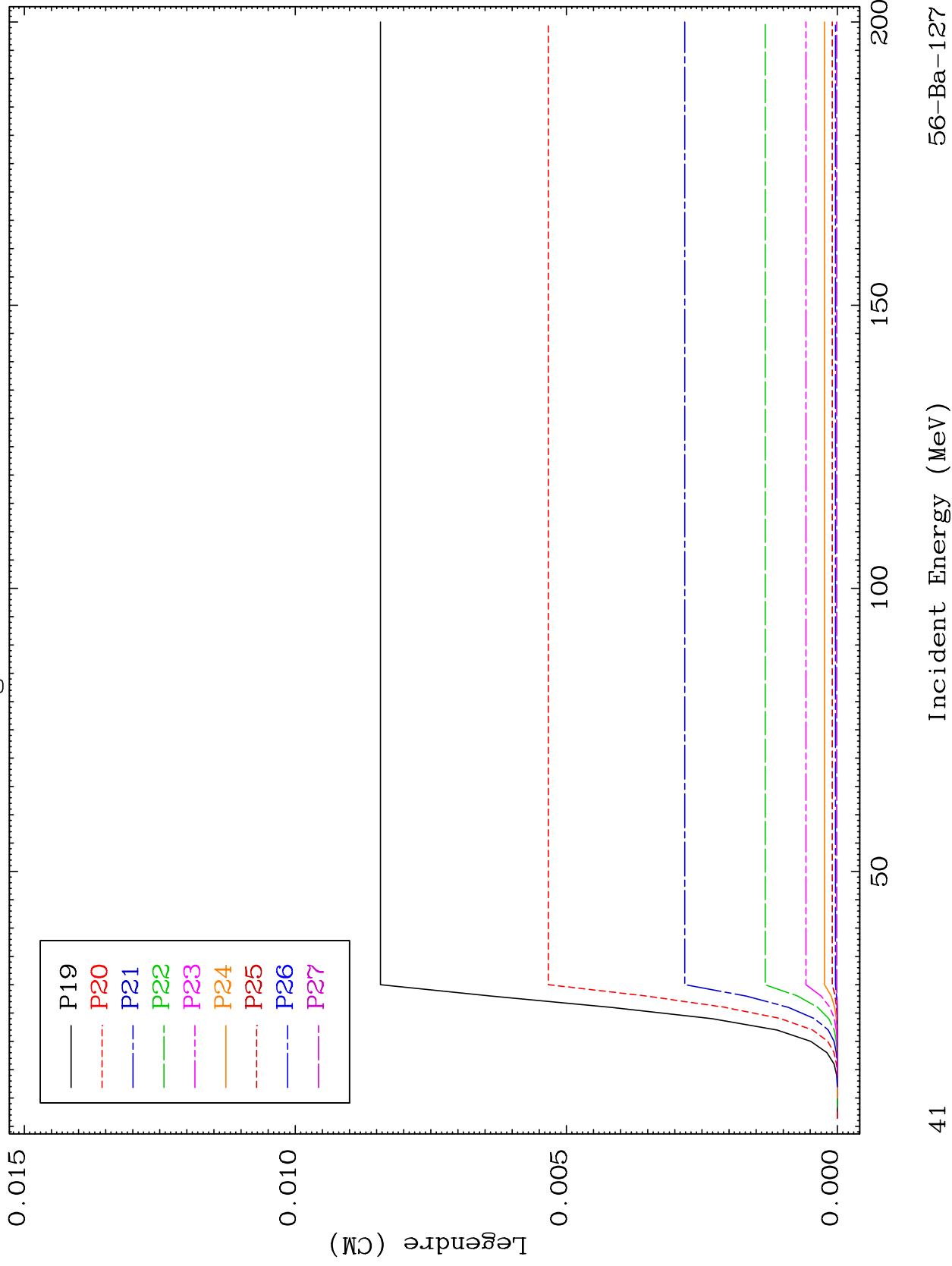
39

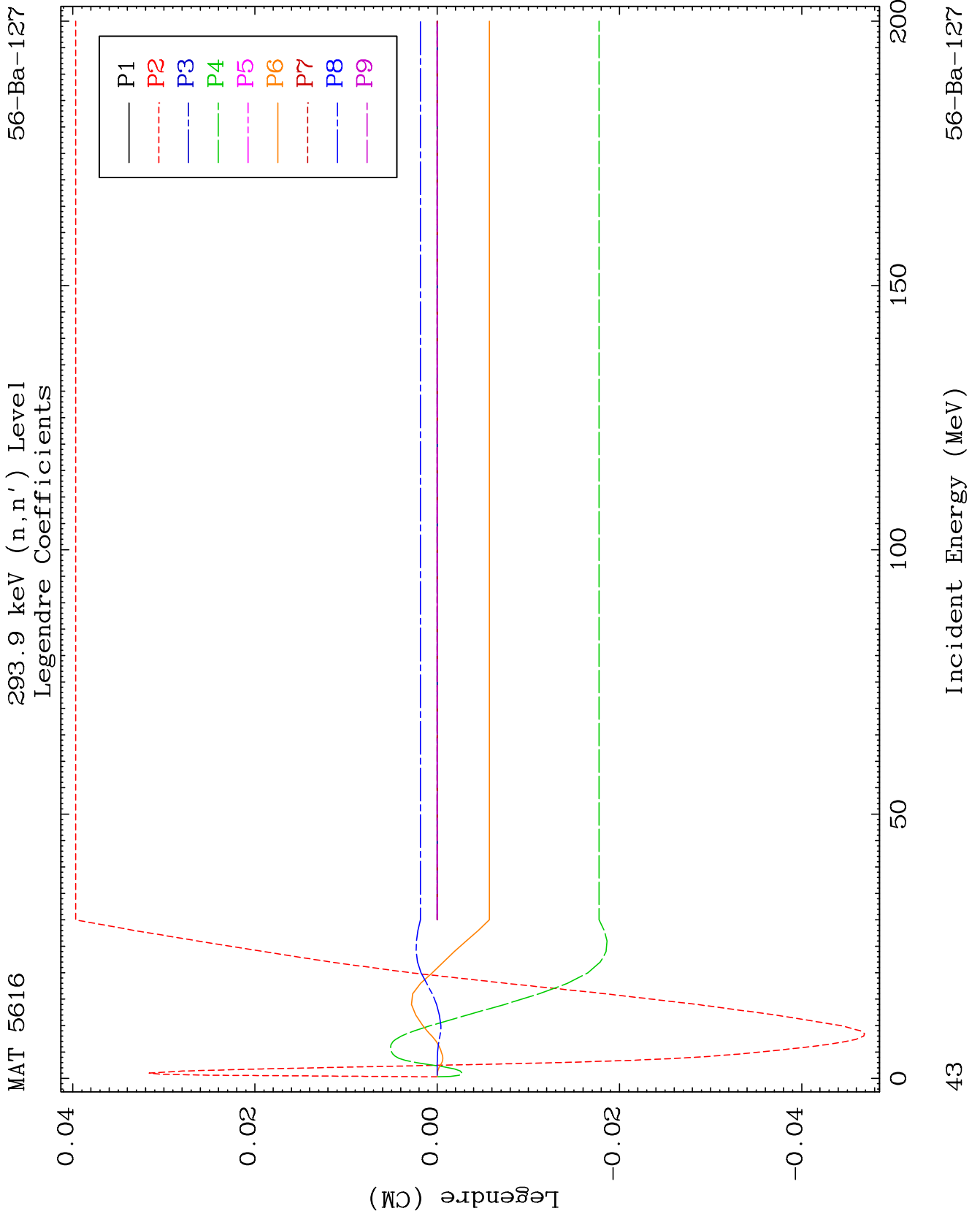
56-Ba-127

MAT 5616

269.6 keV (n,n') Level
Legendre Coefficients

56-Ba-127

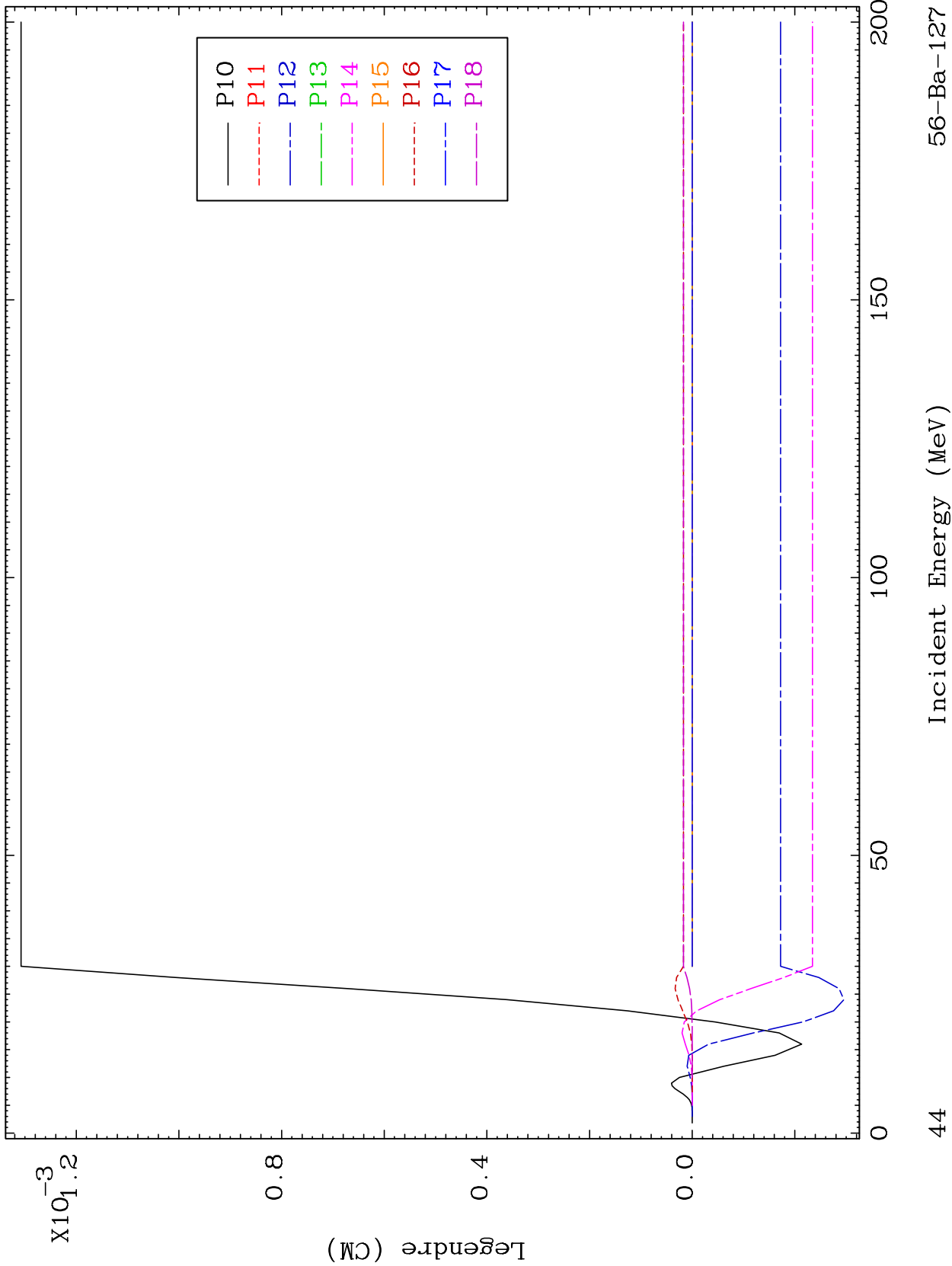




MAT 5616

293.9 keV (n, n') Level
Legendre Coefficients

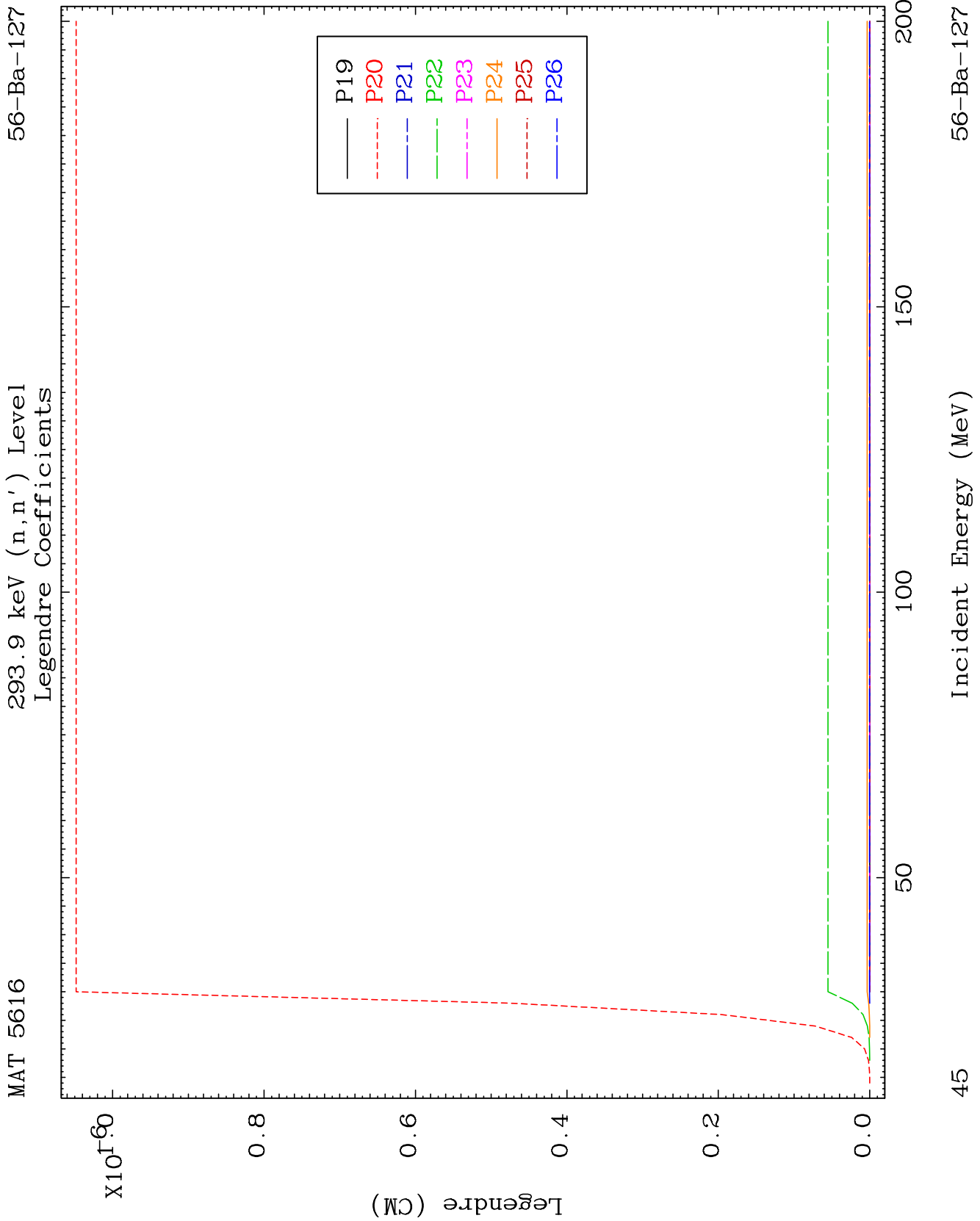
56-Ba-127

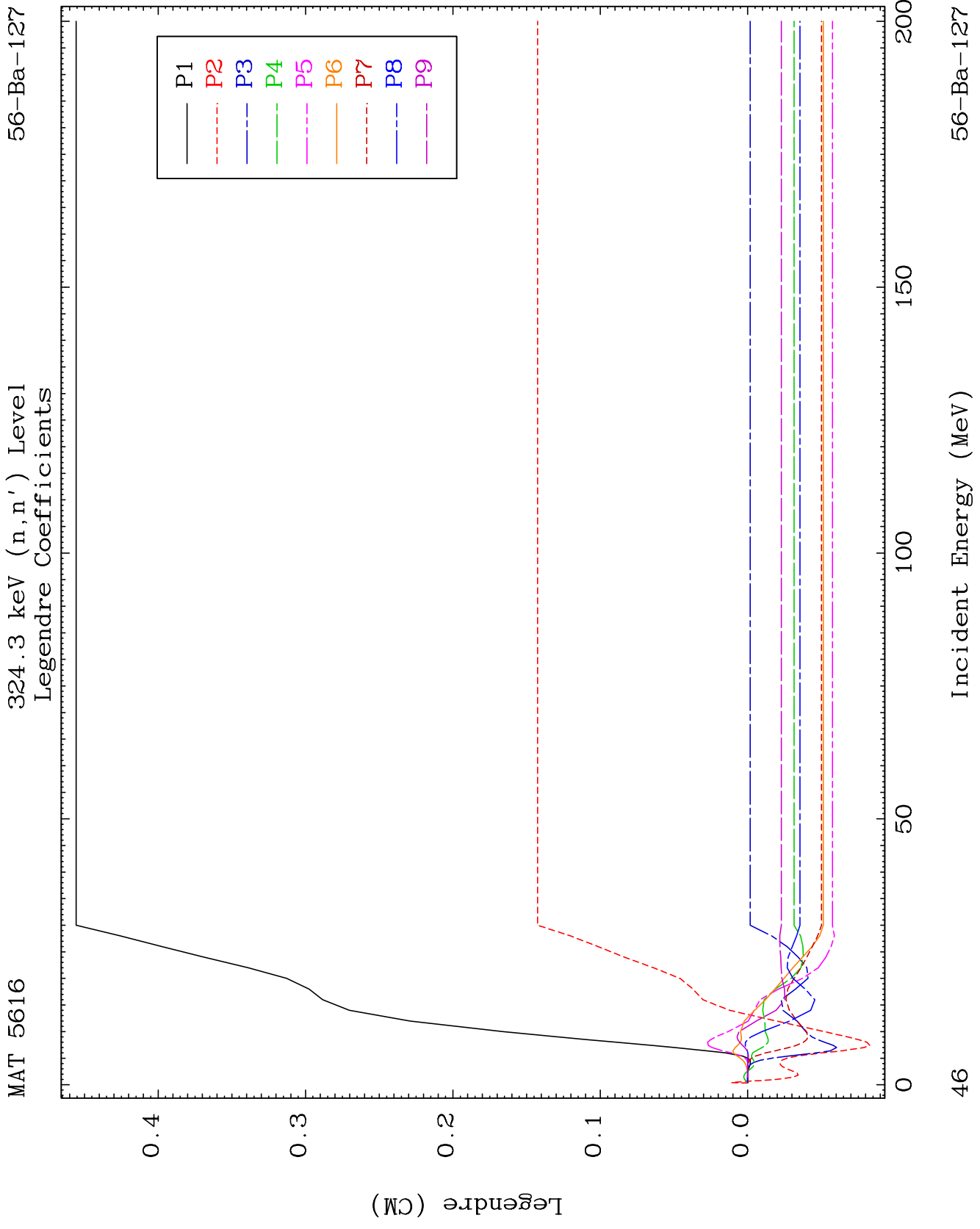


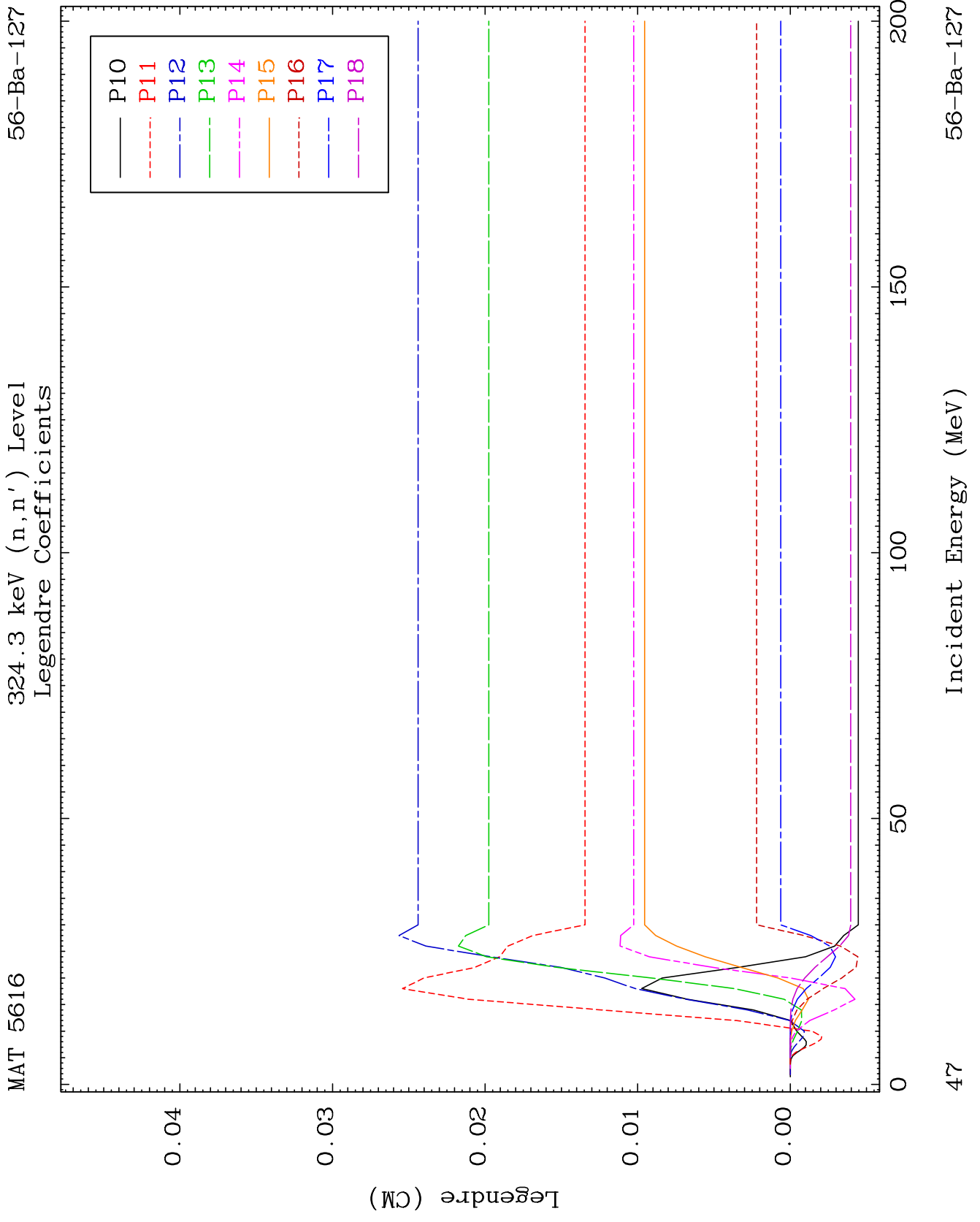
44

Incident Energy (MeV)

56-Ba-127



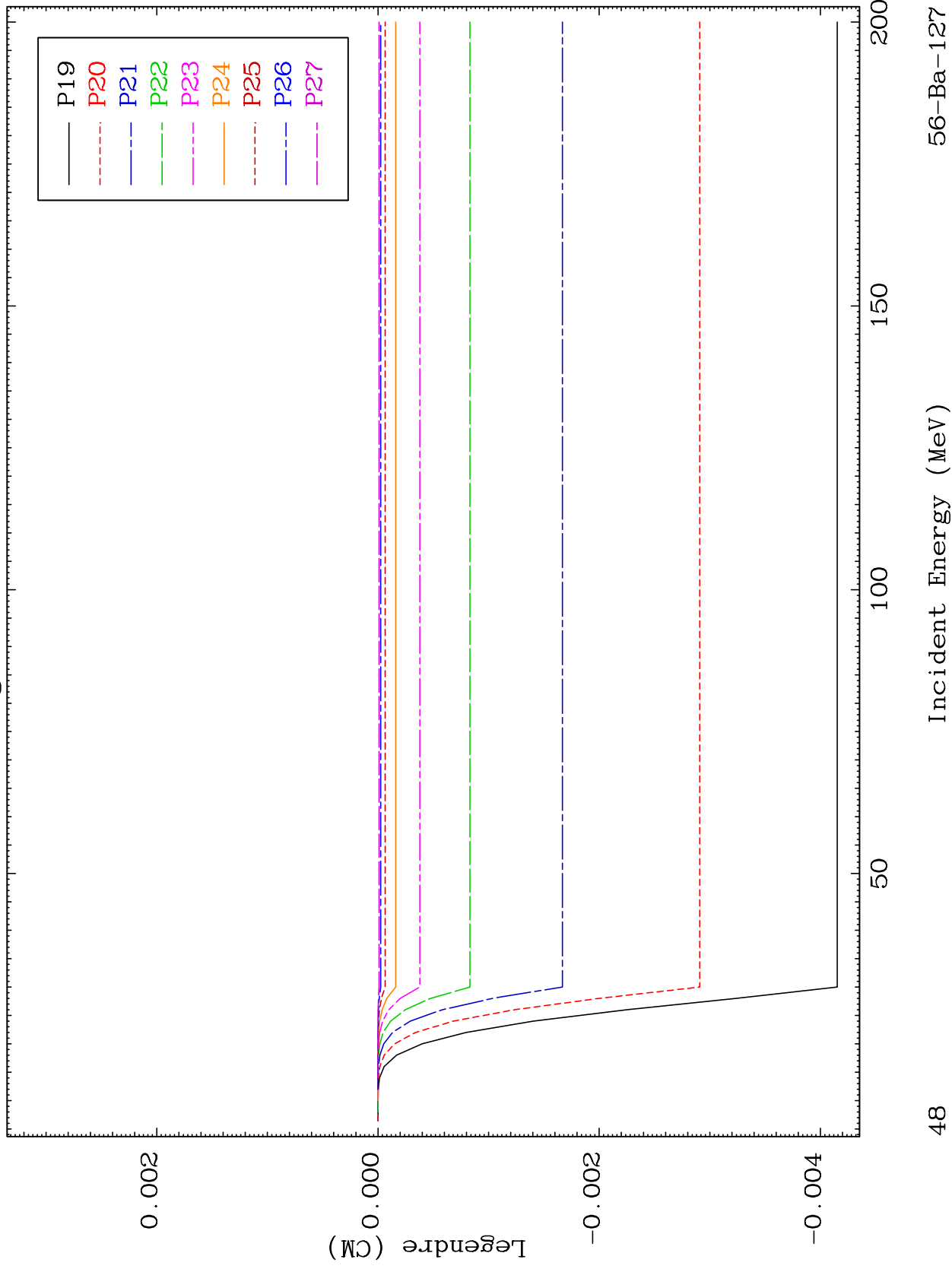




MAT 5616

324.3 keV (n,n') Level
Legendre Coefficients

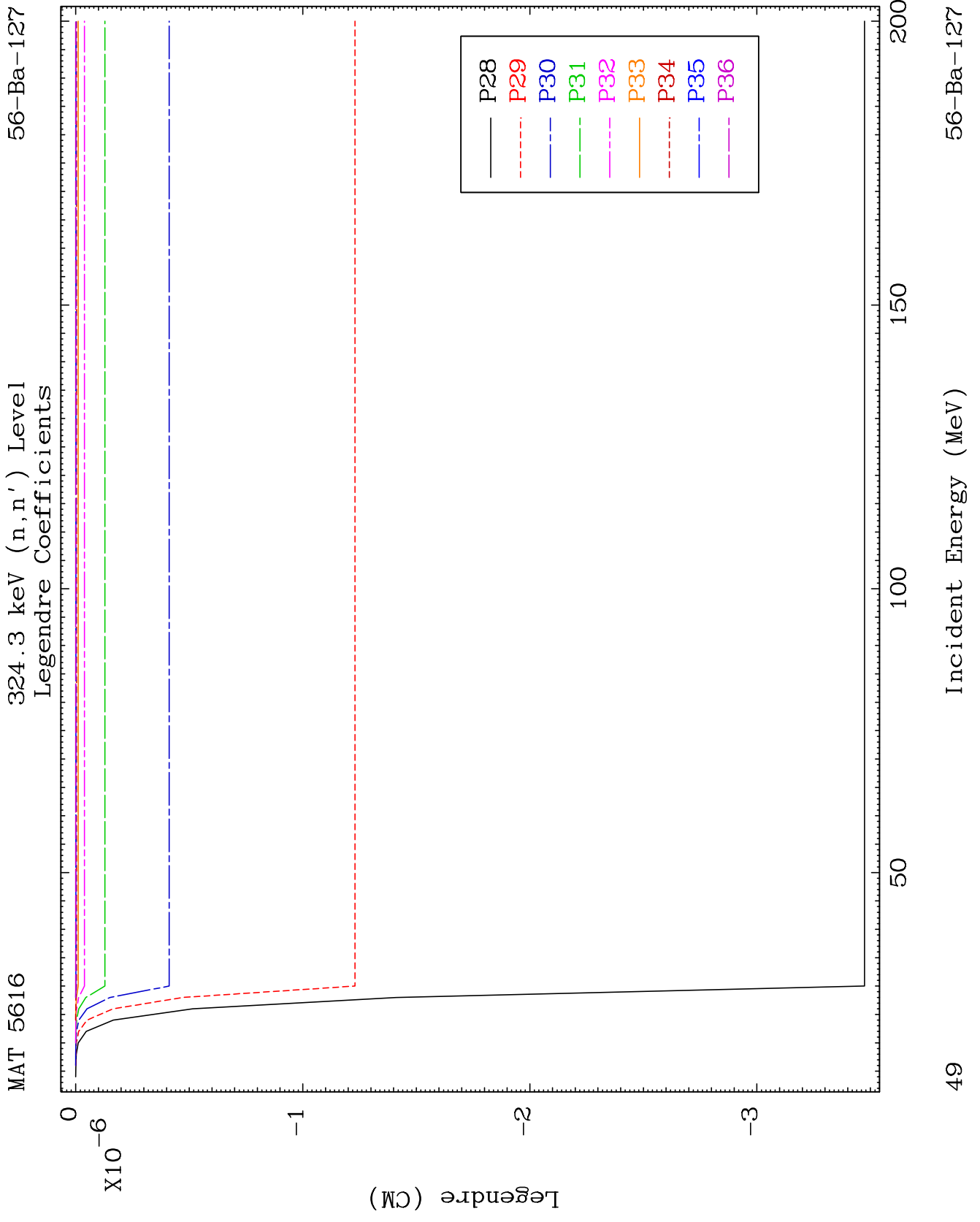
56-Ba-127

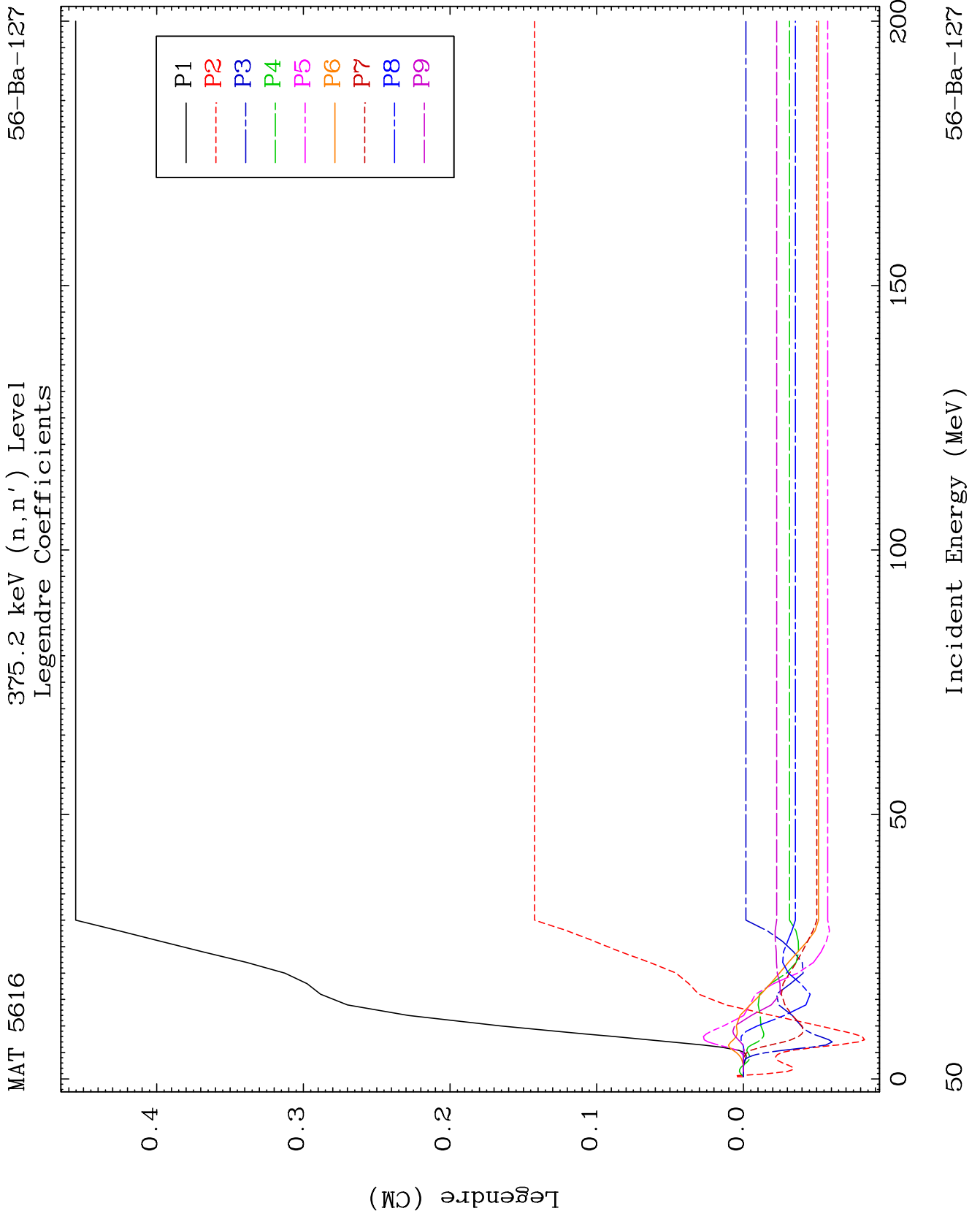


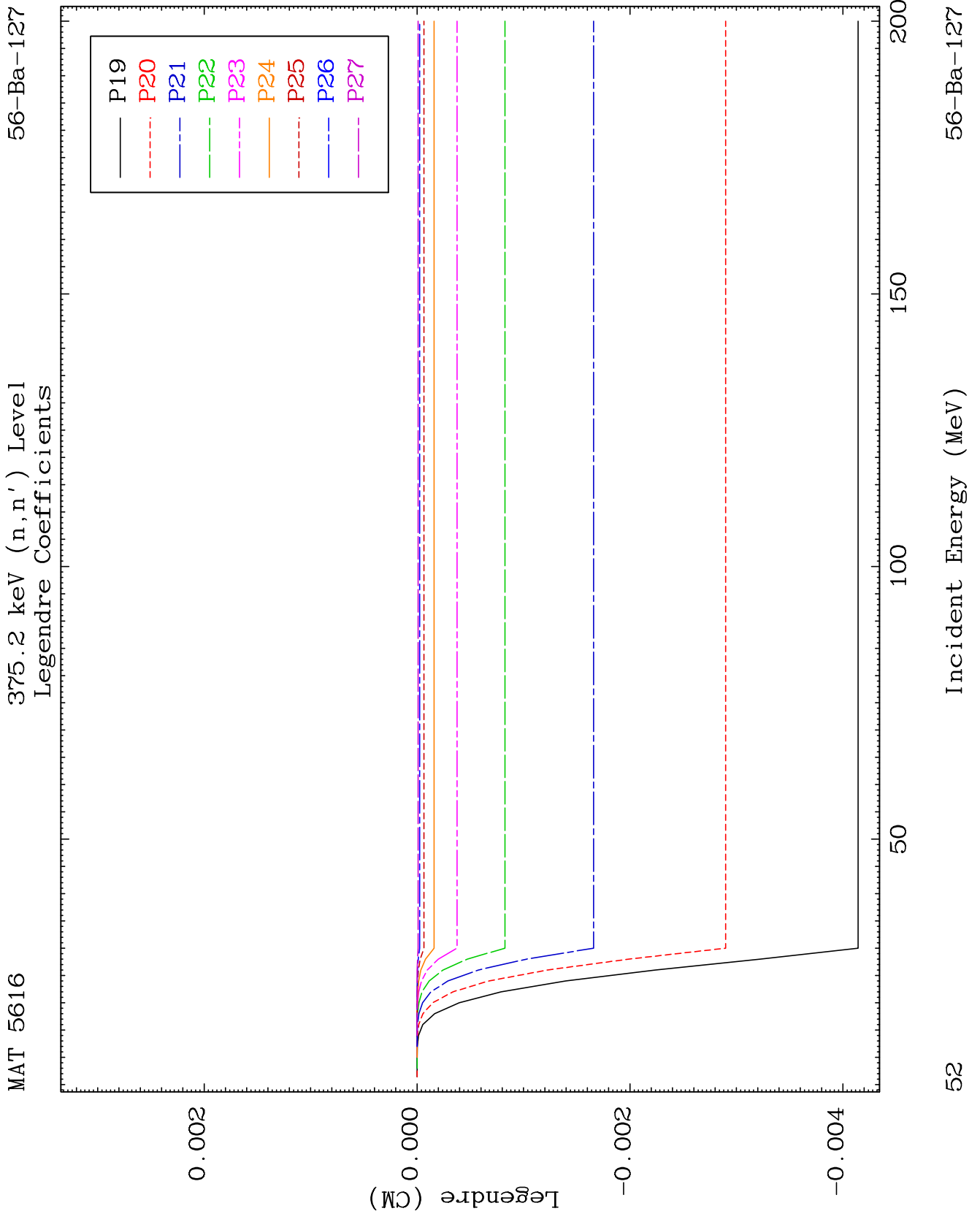
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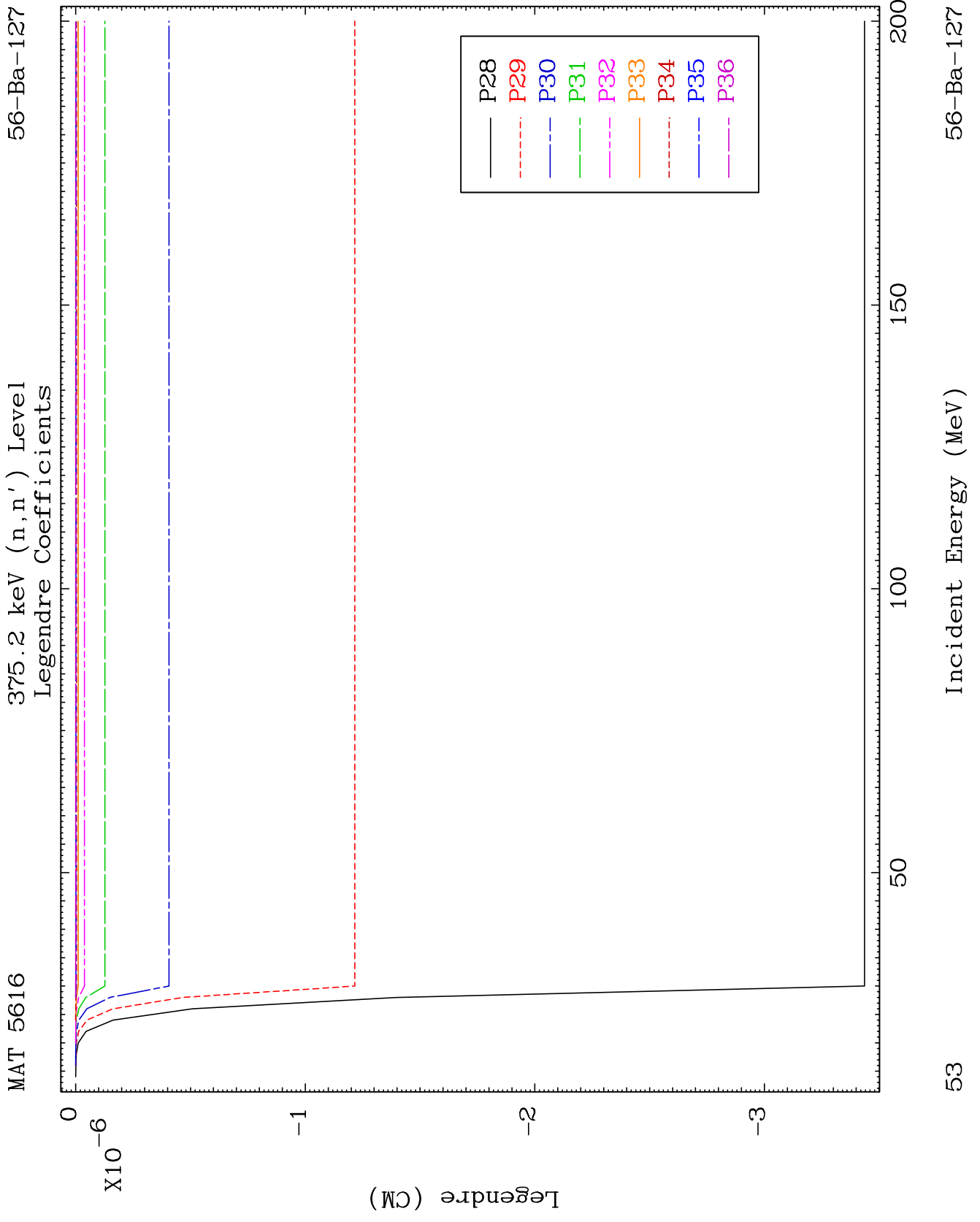
Incident Energy (MeV)

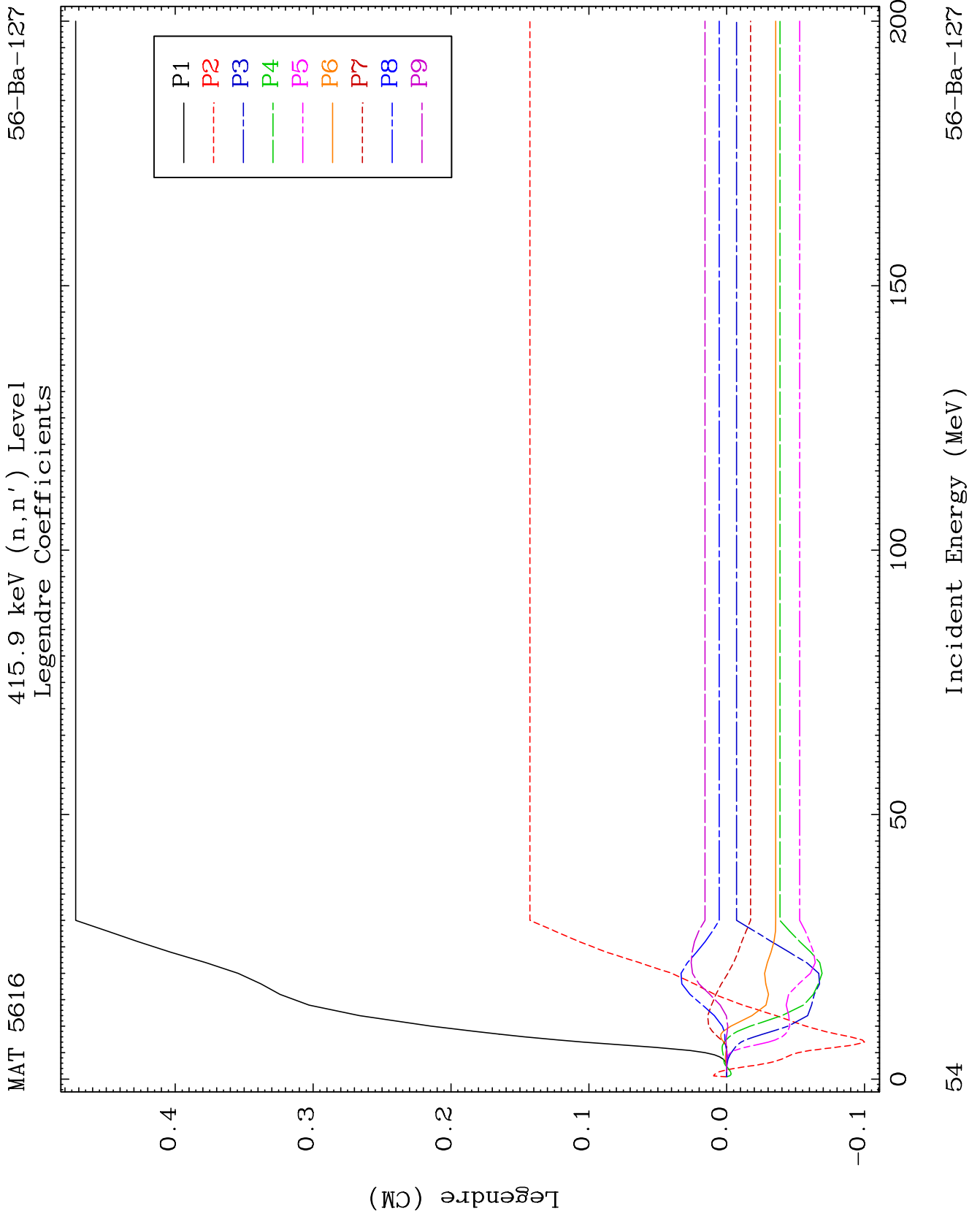
56-Ba-127

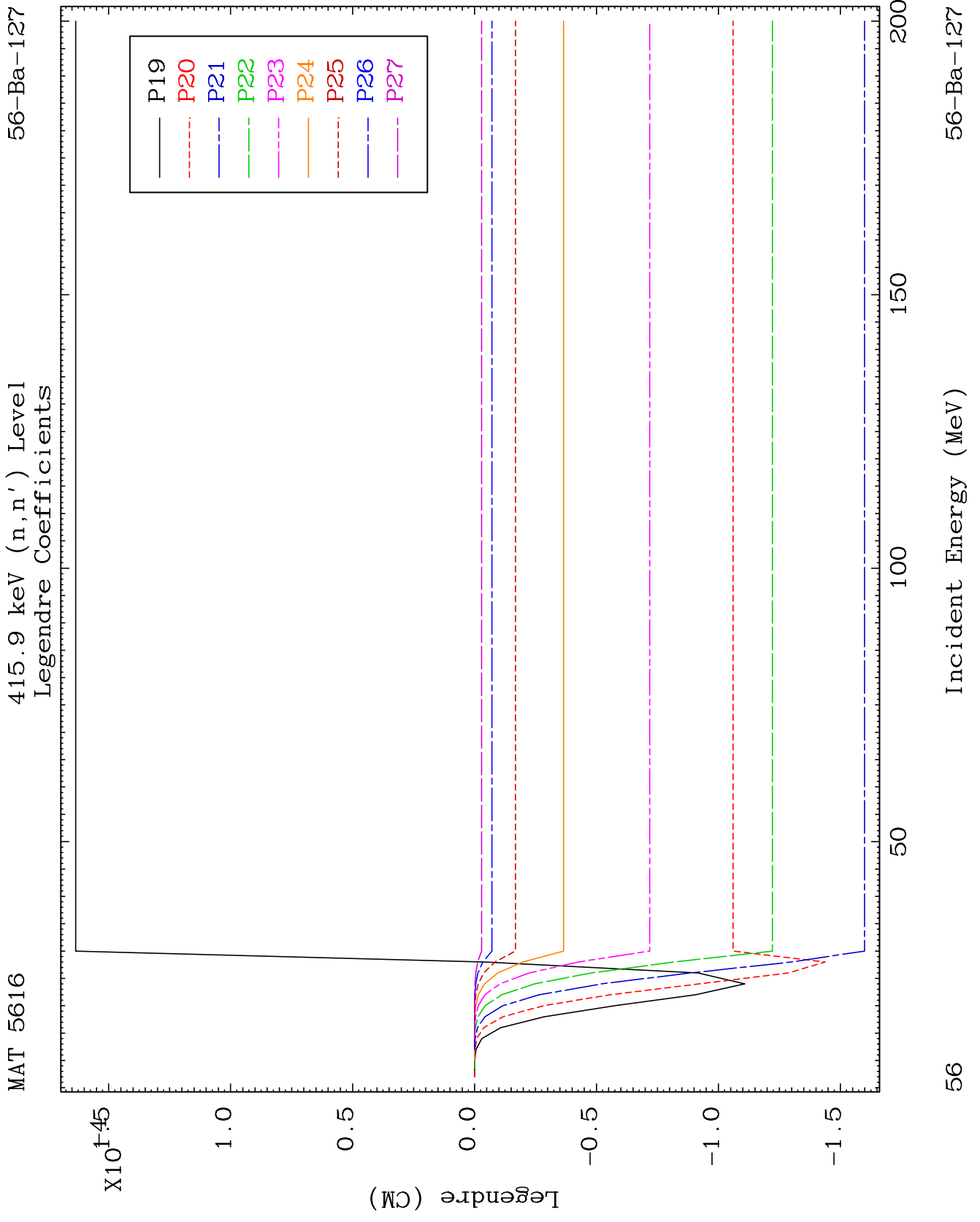


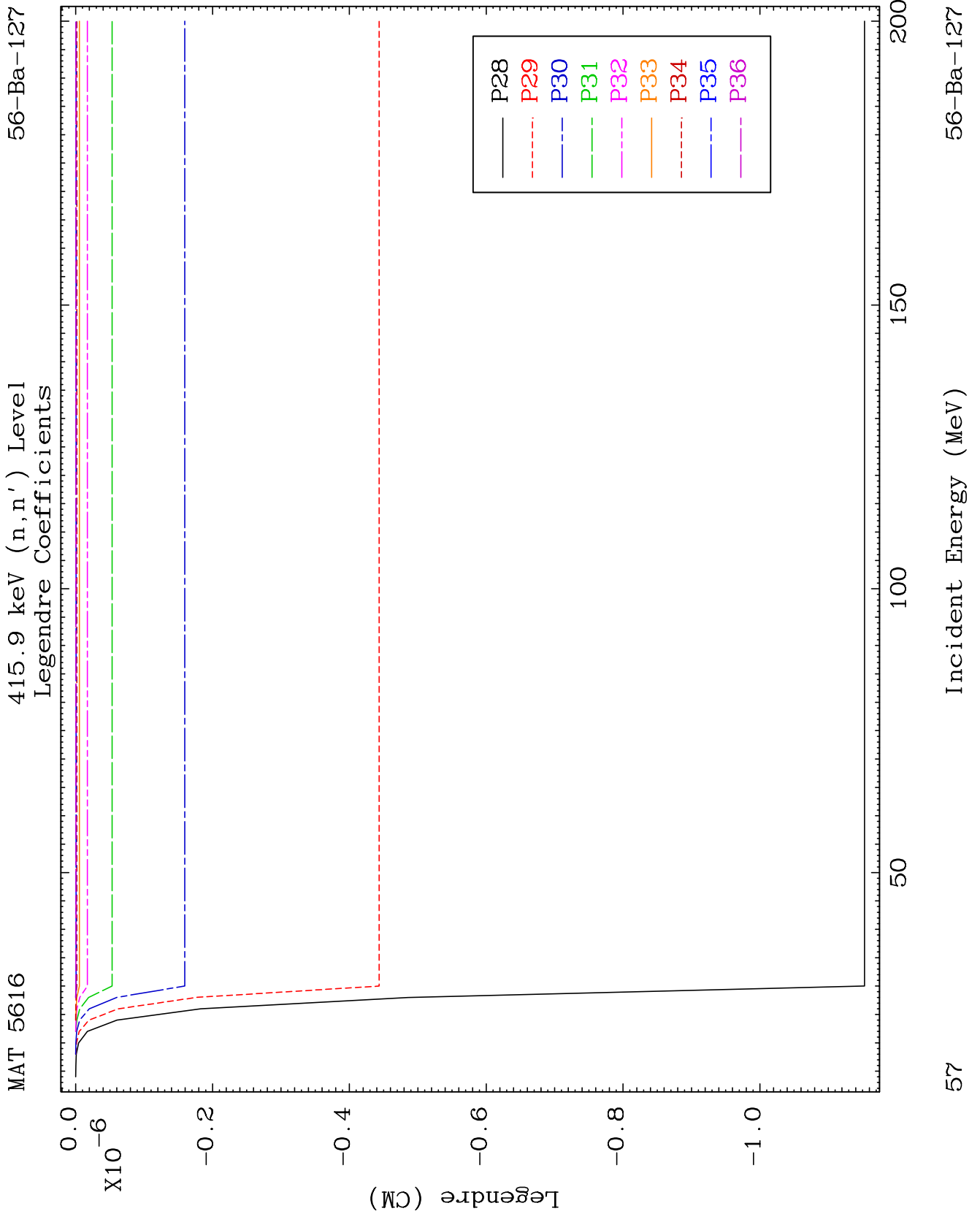


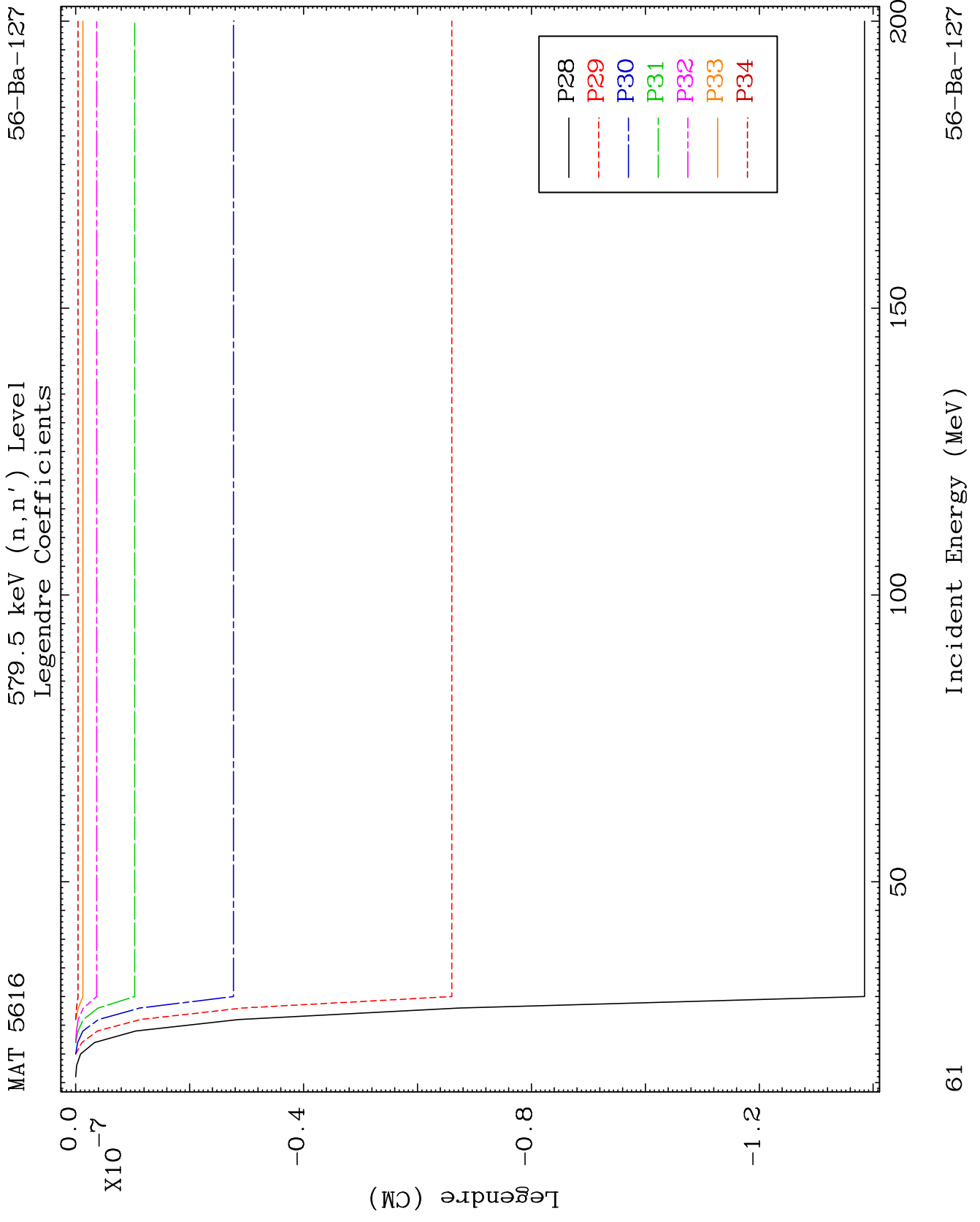








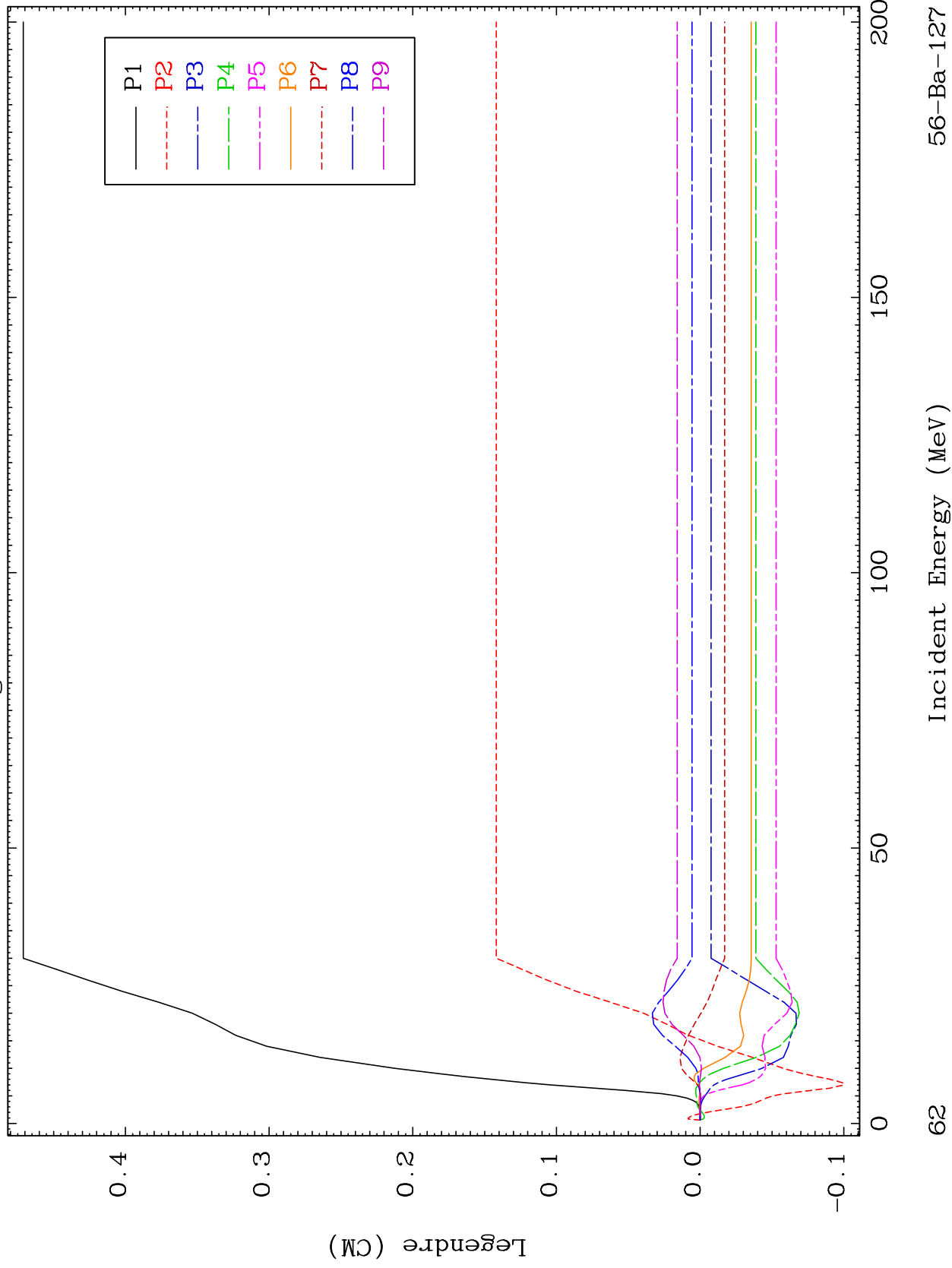




MAT 5616

599.4 keV (n,n') Level
Legendre Coefficients

56-Ba-127



56-Ba-127

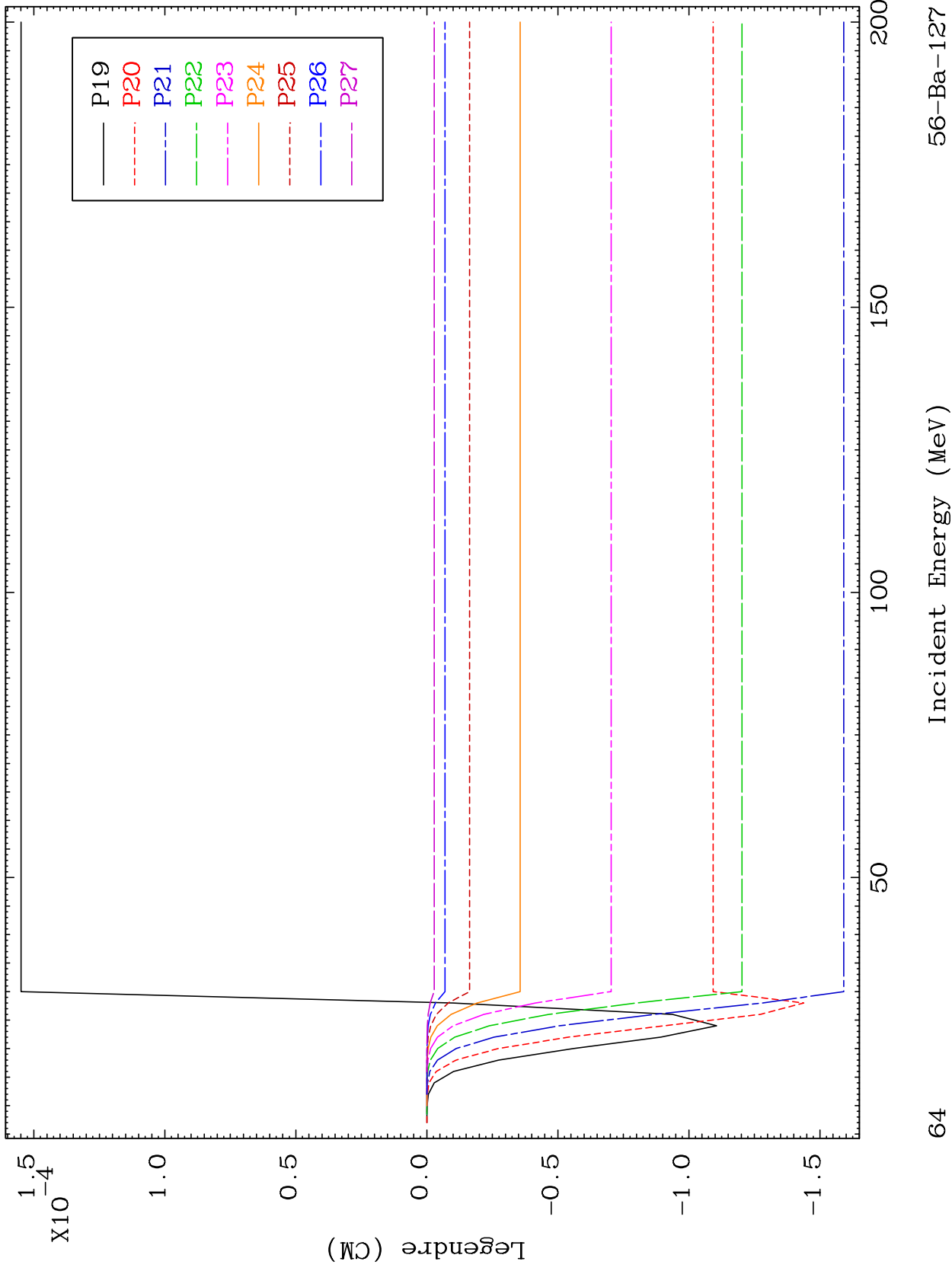
Incident Energy (MeV)

62

MAT 5616

599.4 keV (n,n') Level
Legendre Coefficients

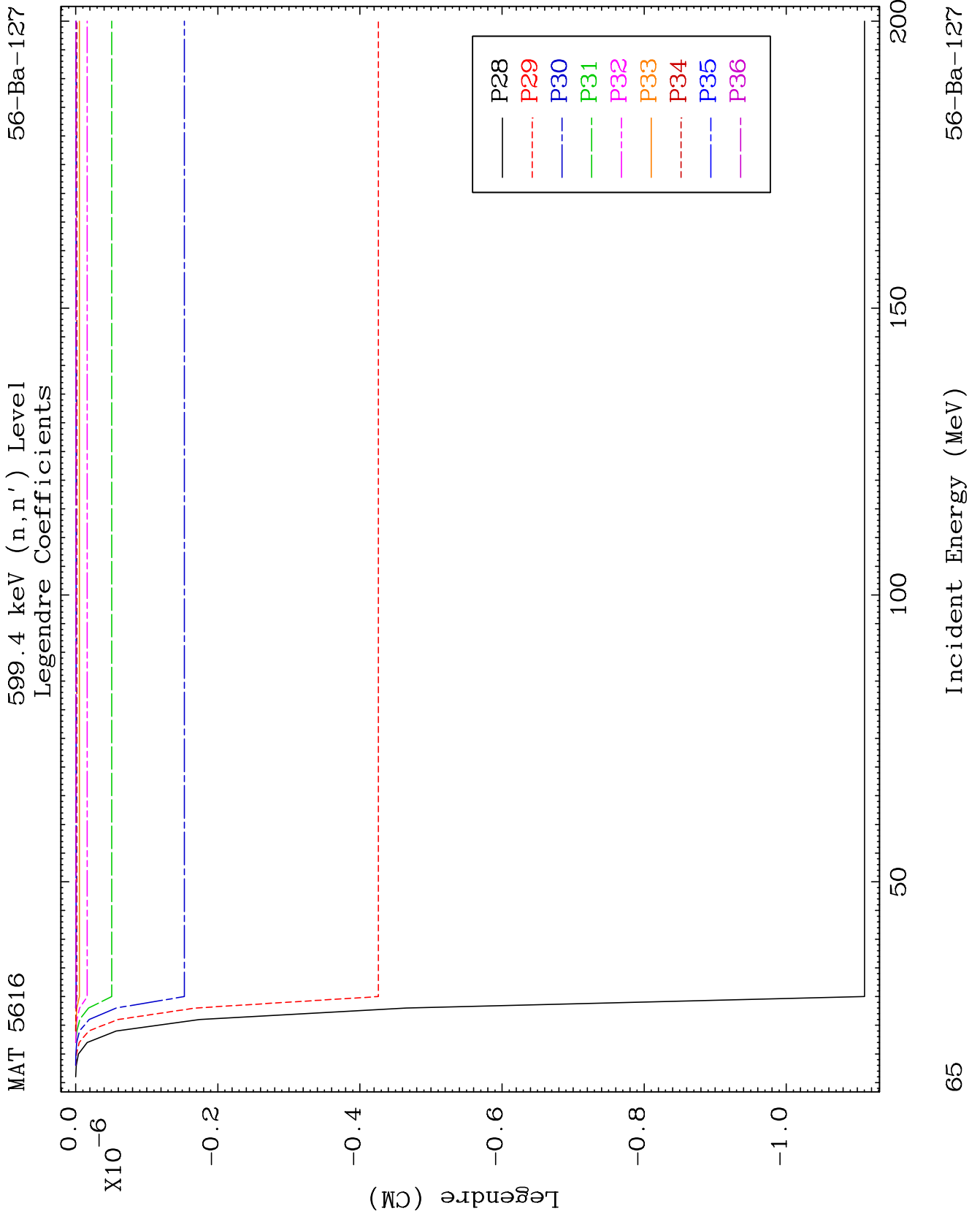
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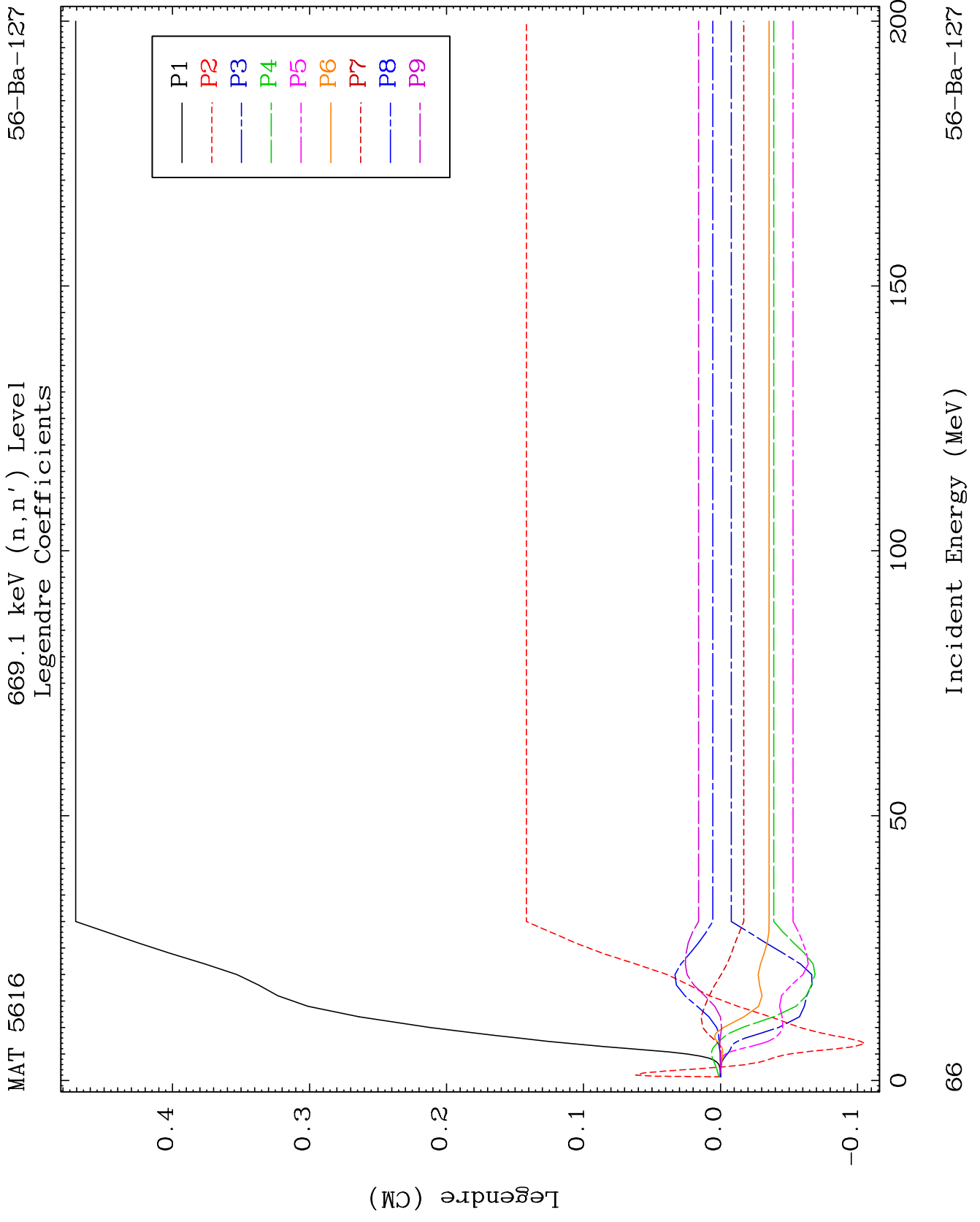


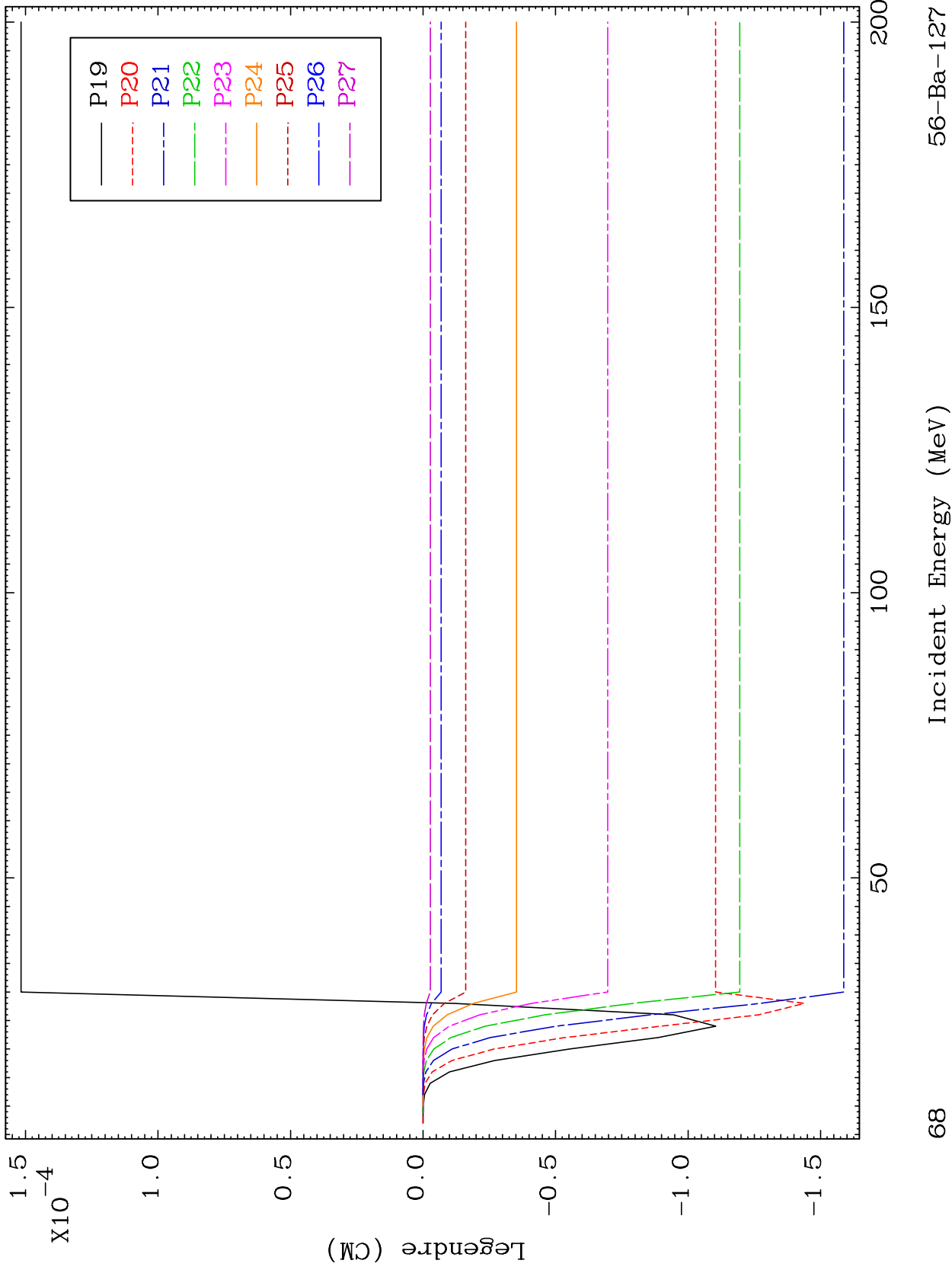
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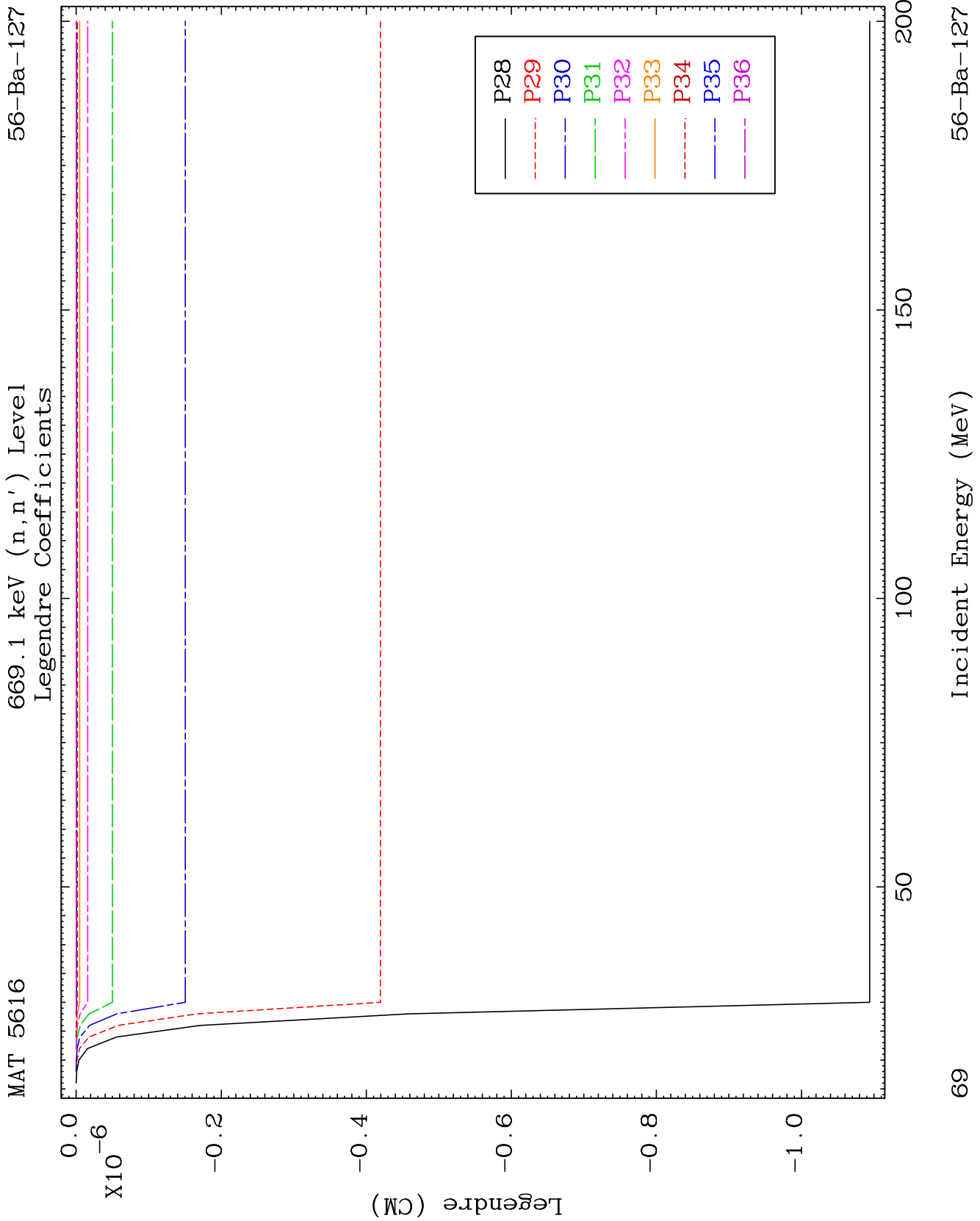
Incident Energy (MeV)

56-Ba-127





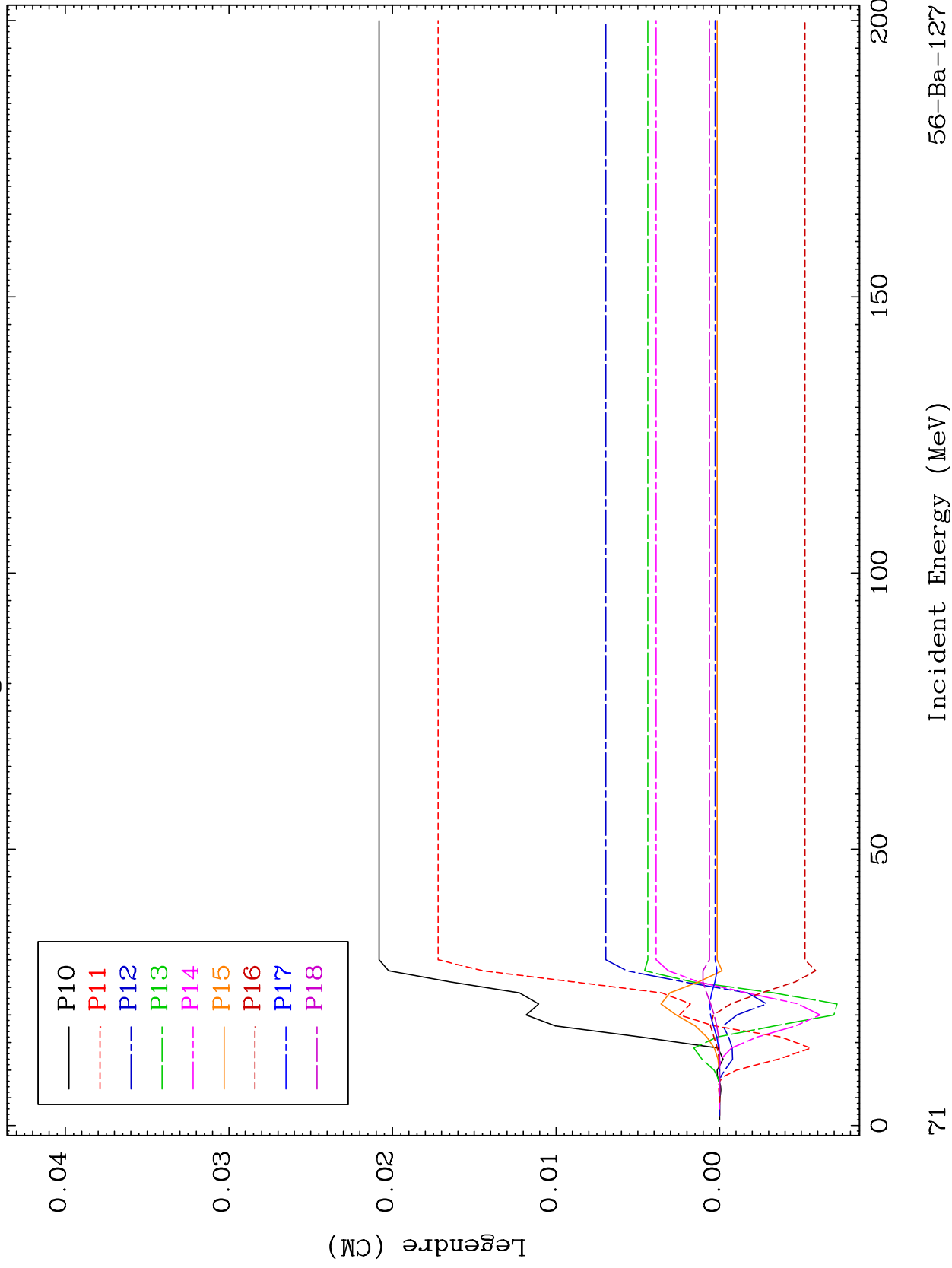




MAT 5616

715.3 keV (n,n') Level
Legendre Coefficients

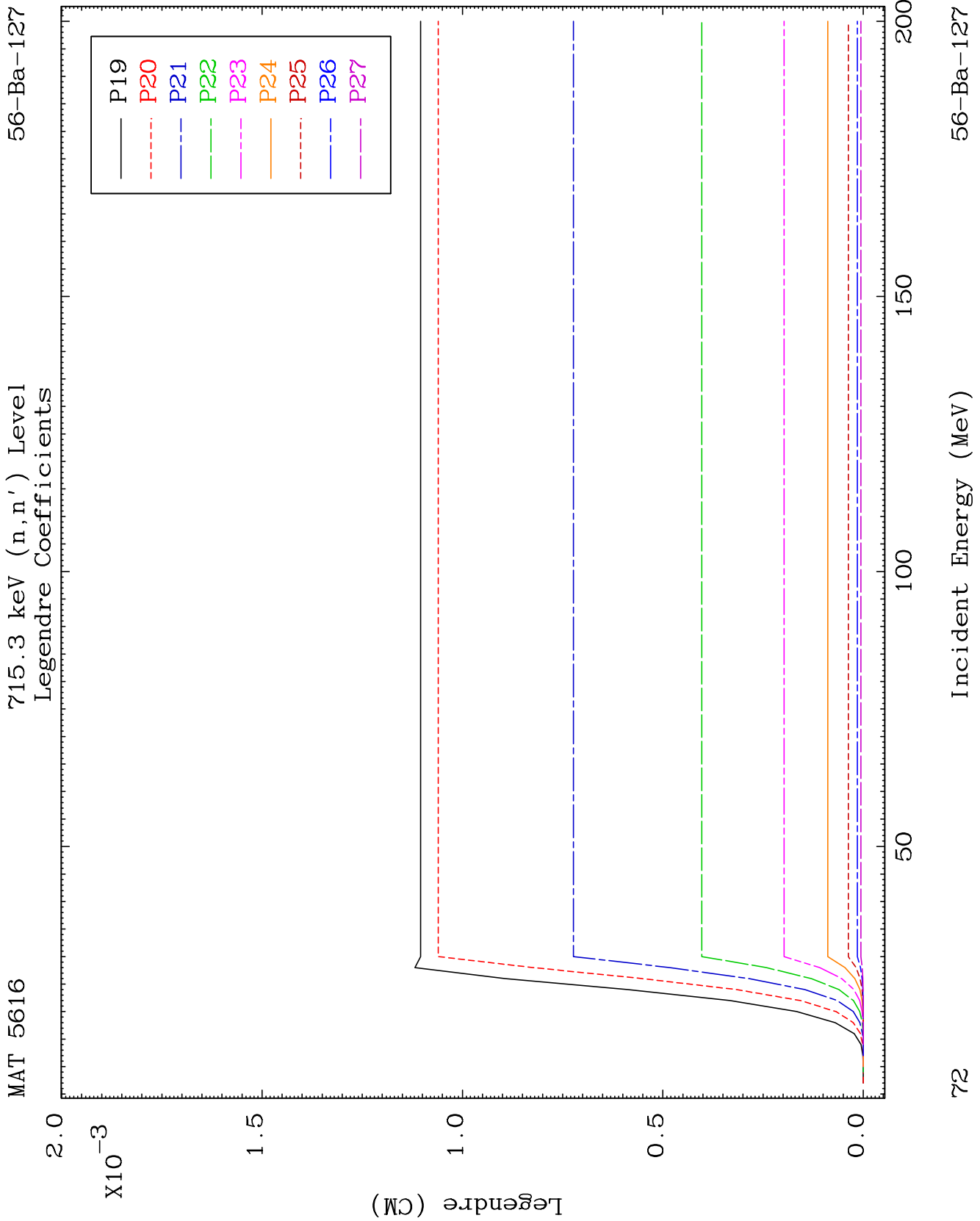
56-Ba-127

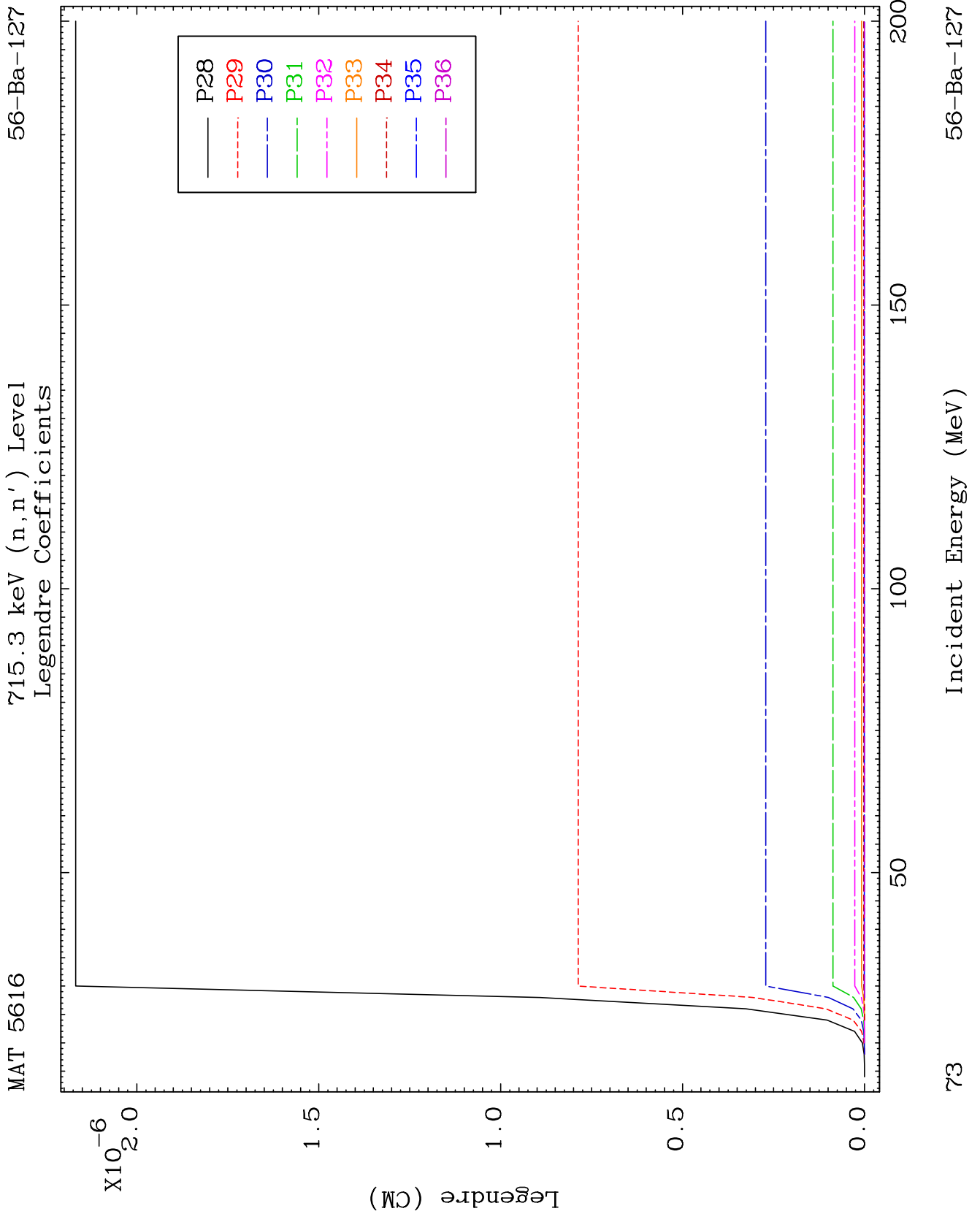


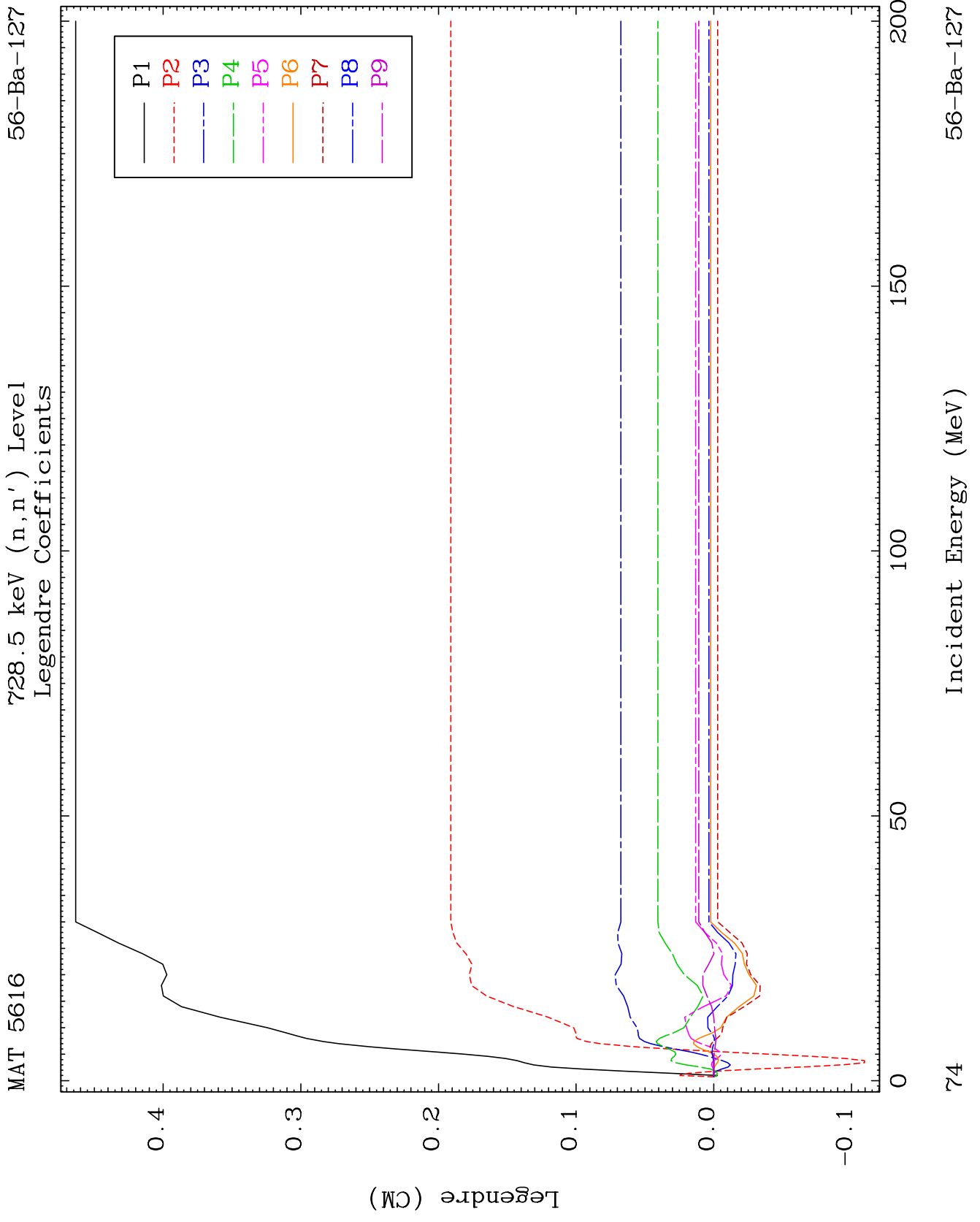
71

Incident Energy (MeV)

56-Ba-127



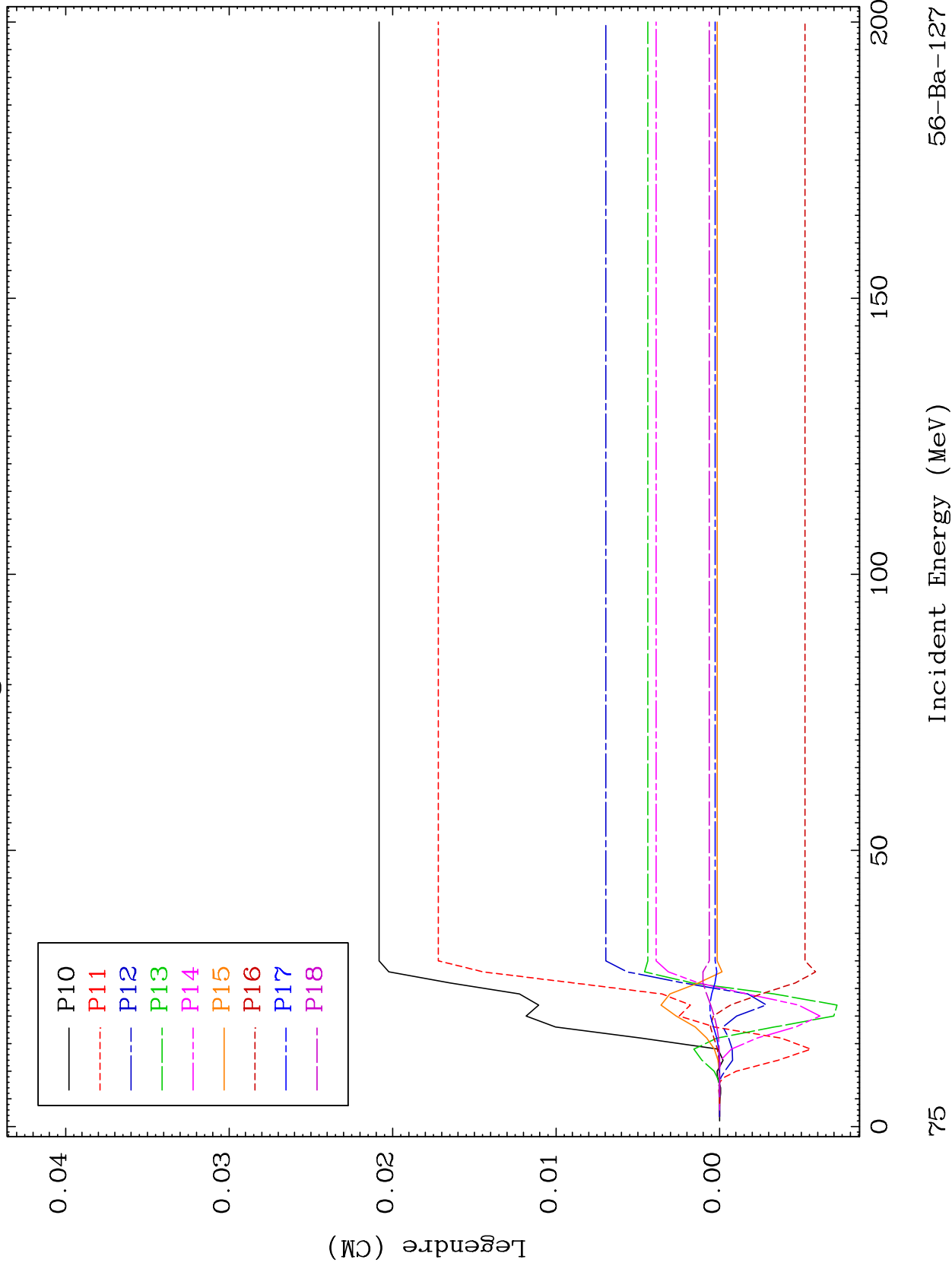


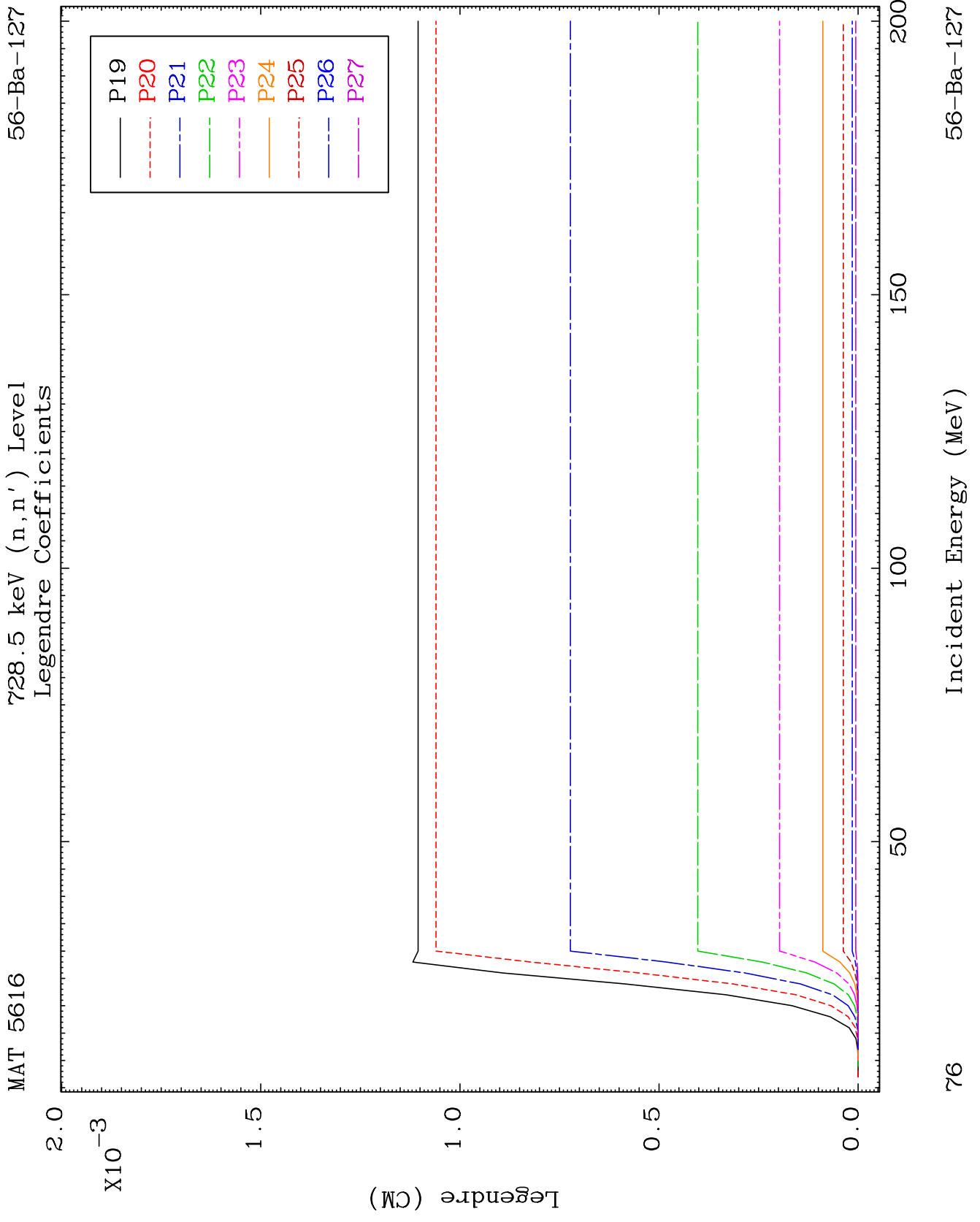


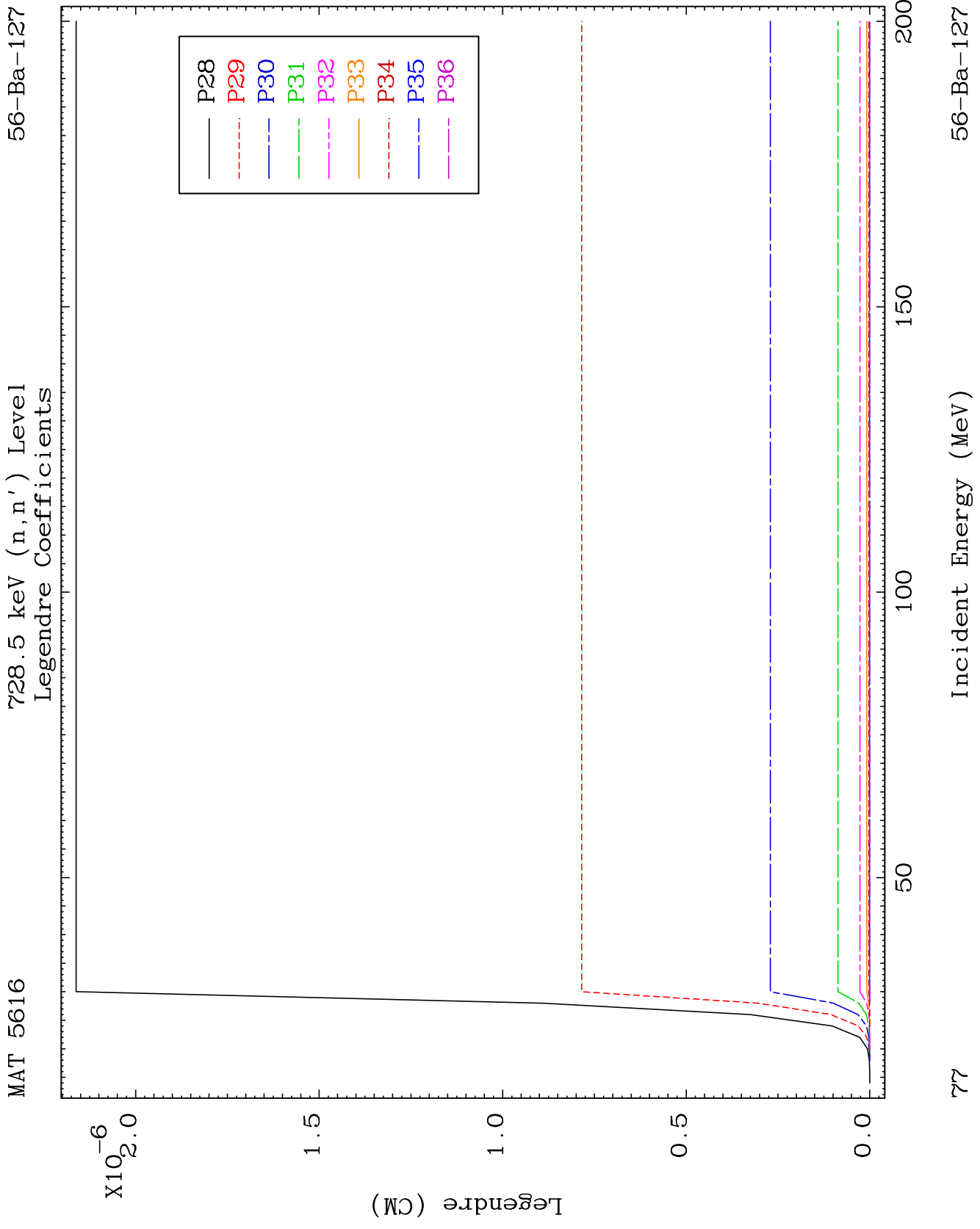
MAT 5616

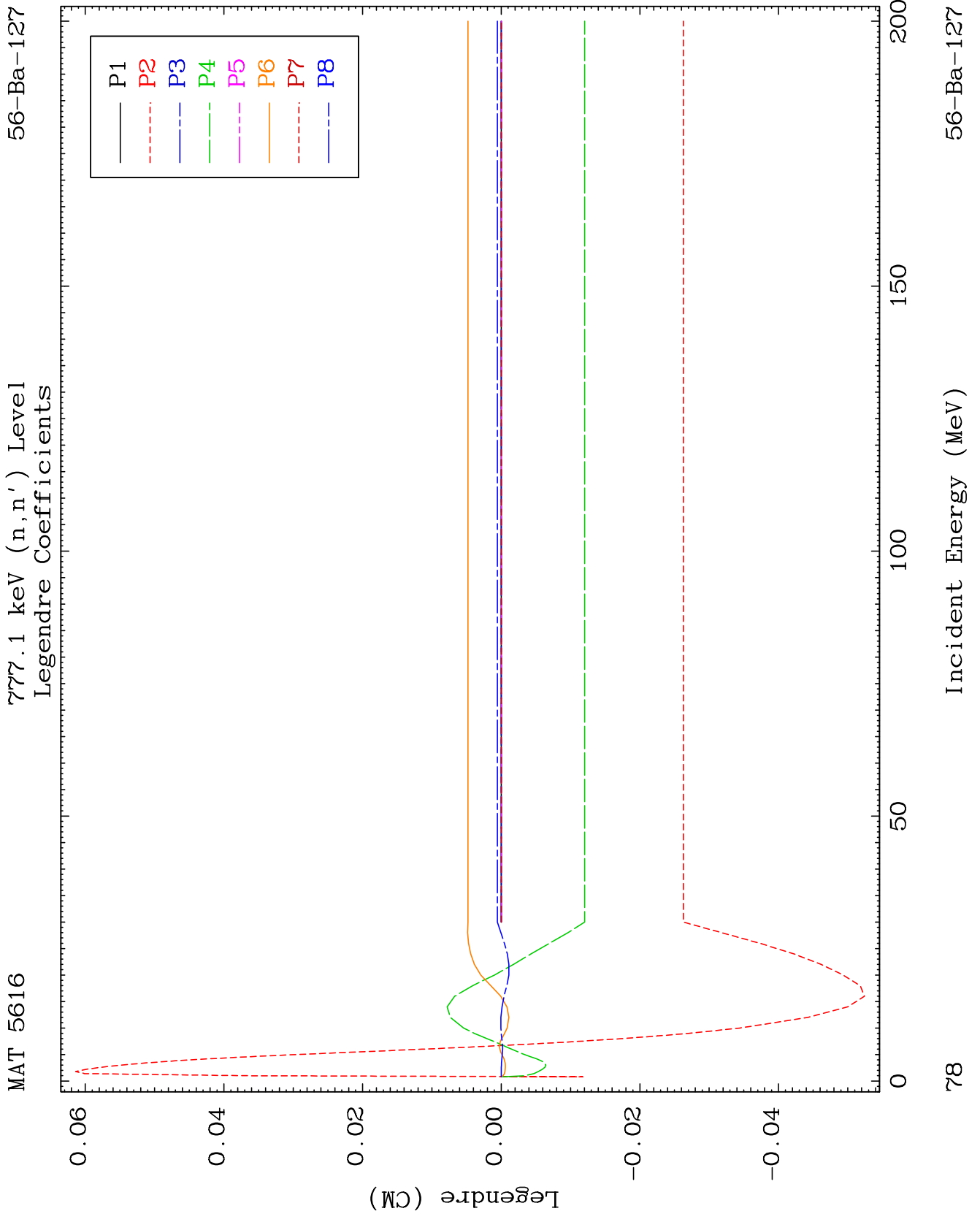
728.5 keV (n,n') Level
Legendre Coefficients

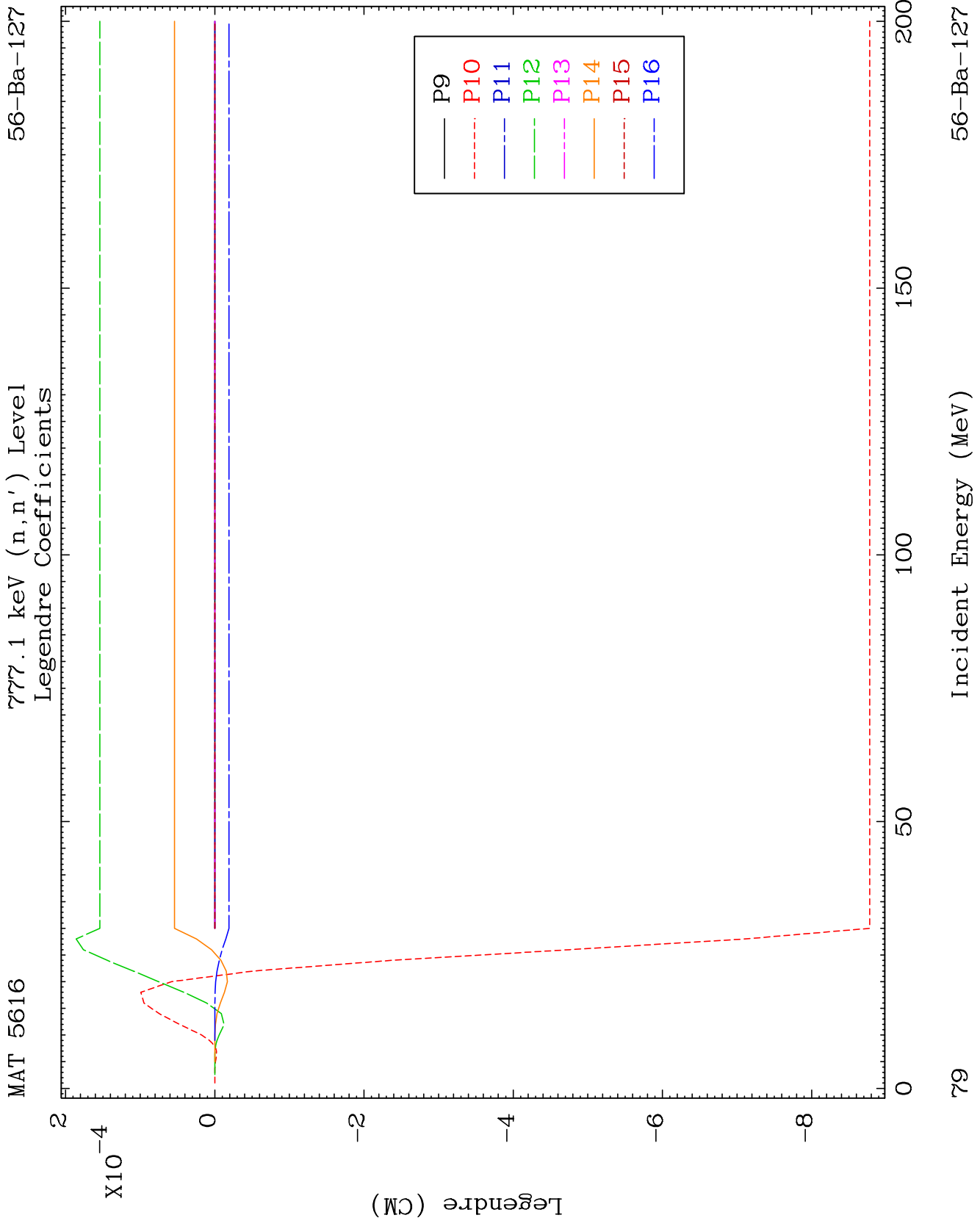
56-Ba-127







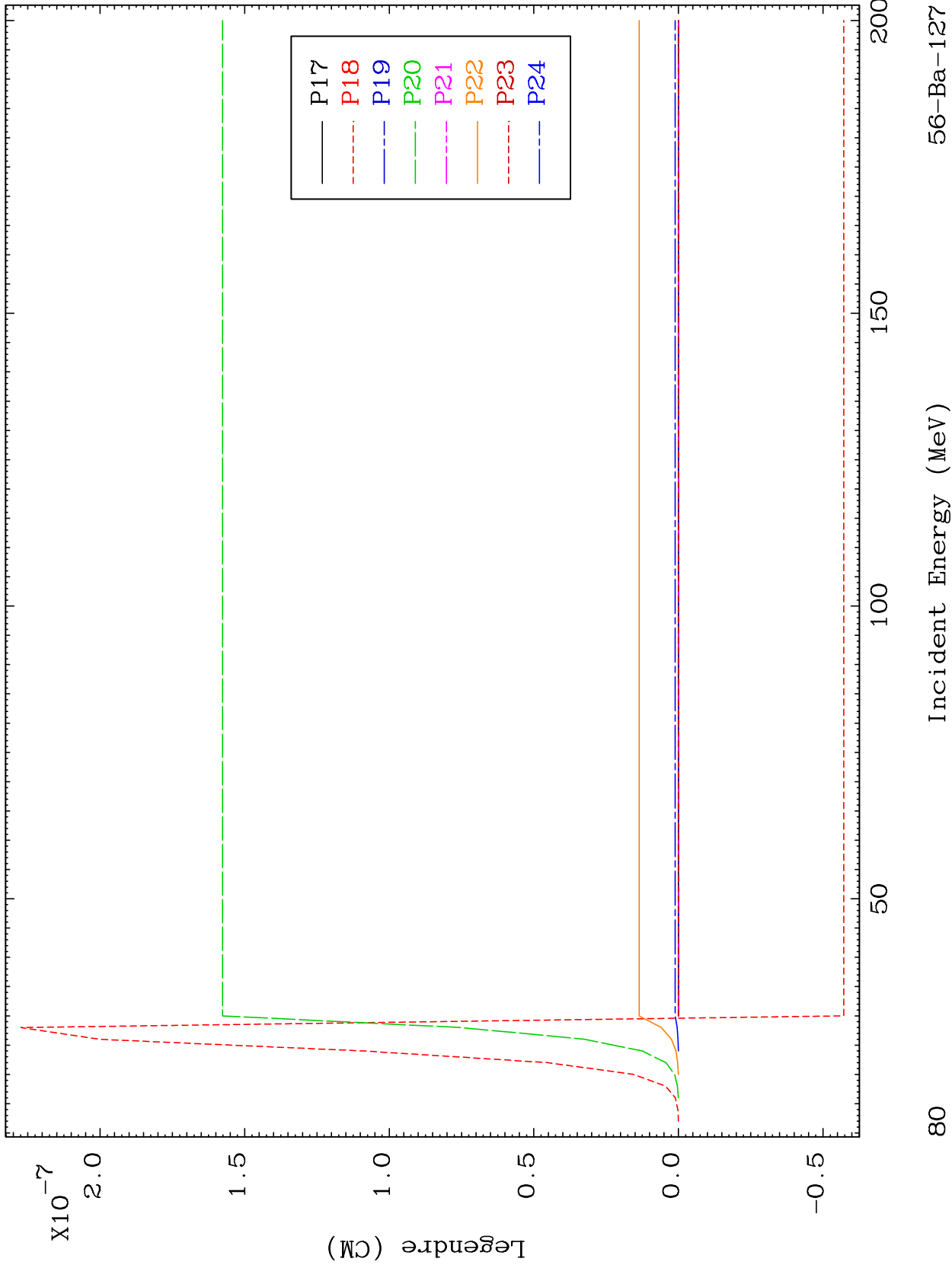




MAT 5616

777.1 keV (n,n') Level
Legendre Coefficients

56-Ba-127



56-Ba-127

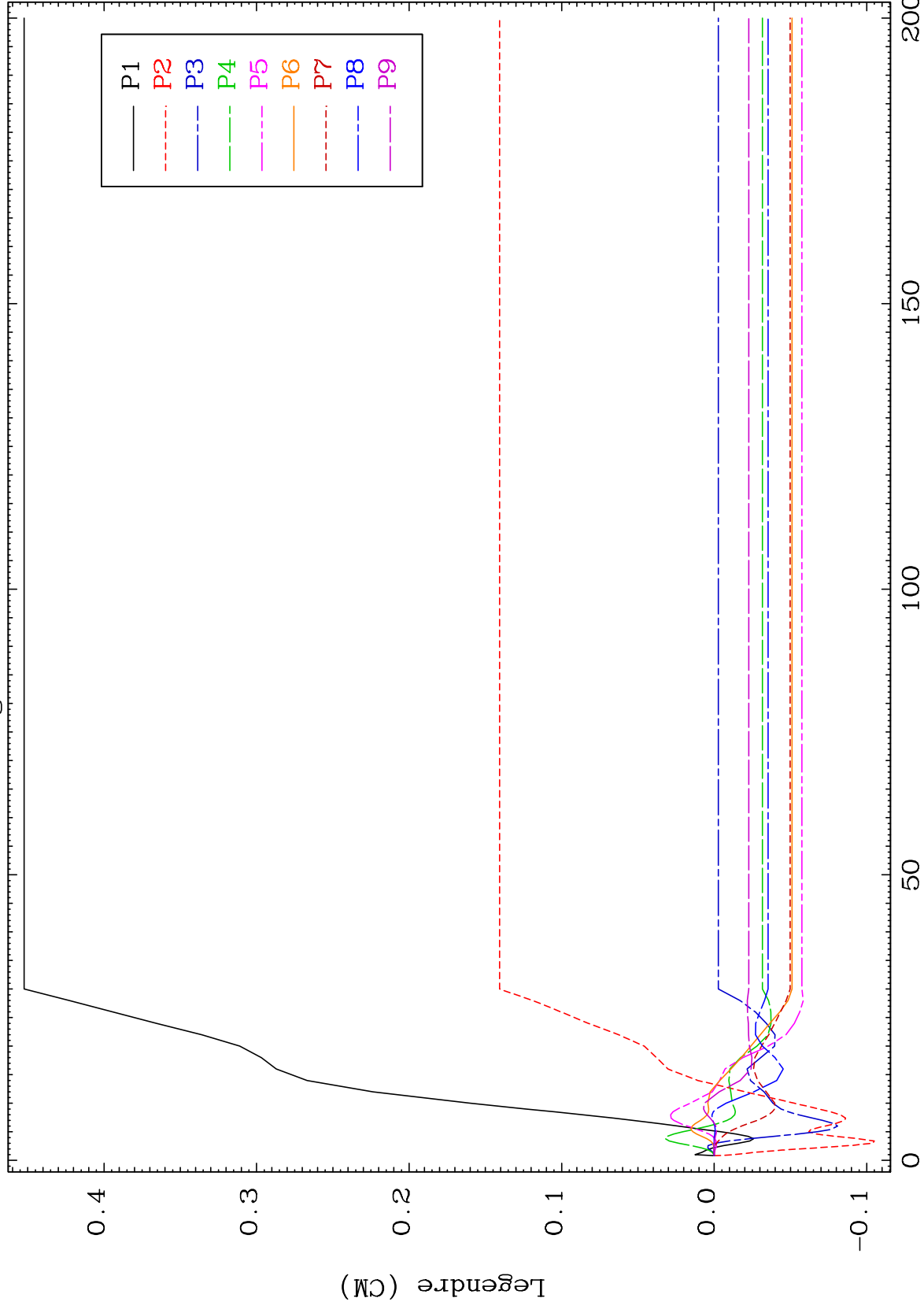
Incident Energy (MeV)

80

MAT 5616

805.1 keV (n,n') Level
Legendre Coefficients

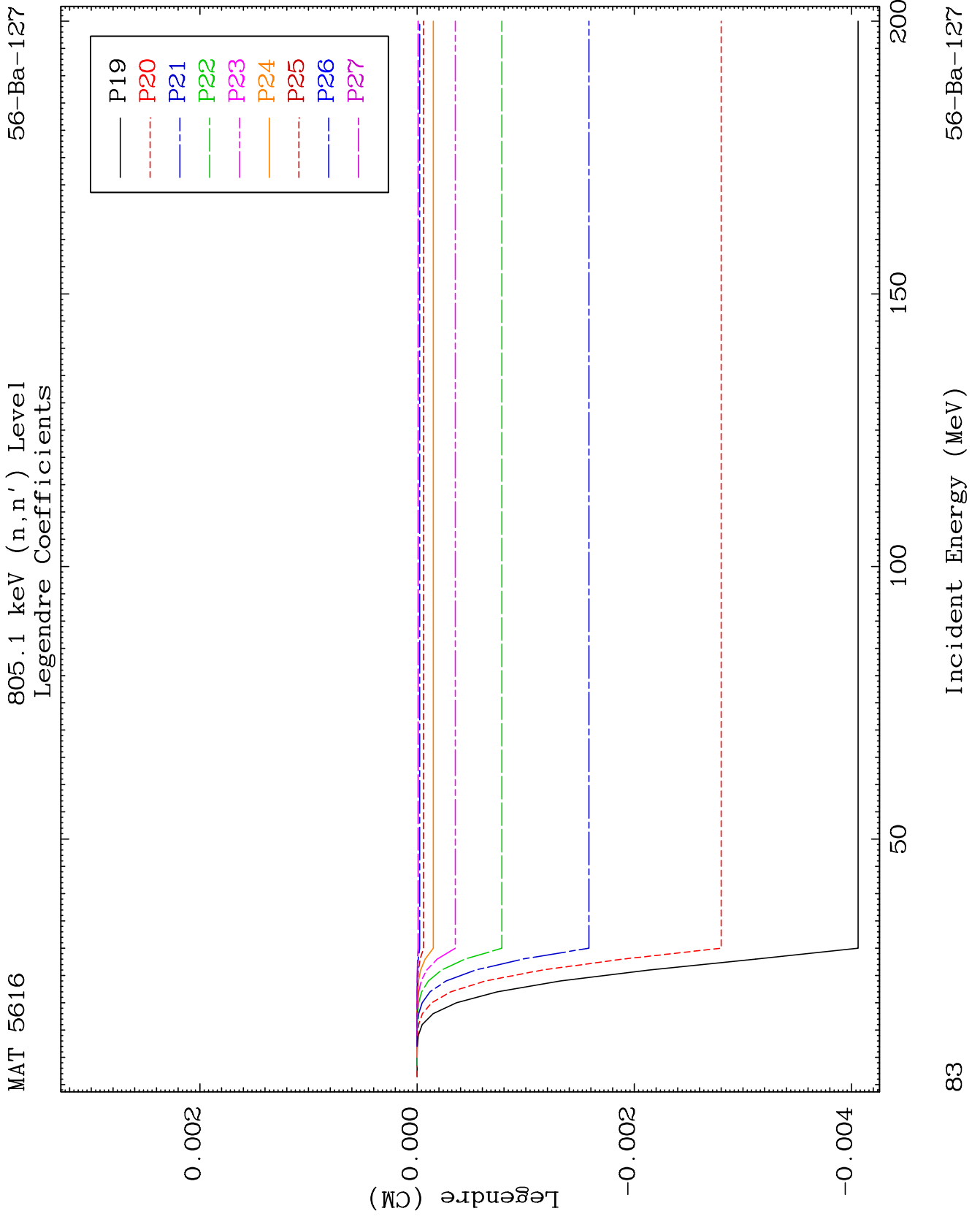
56-Ba-127

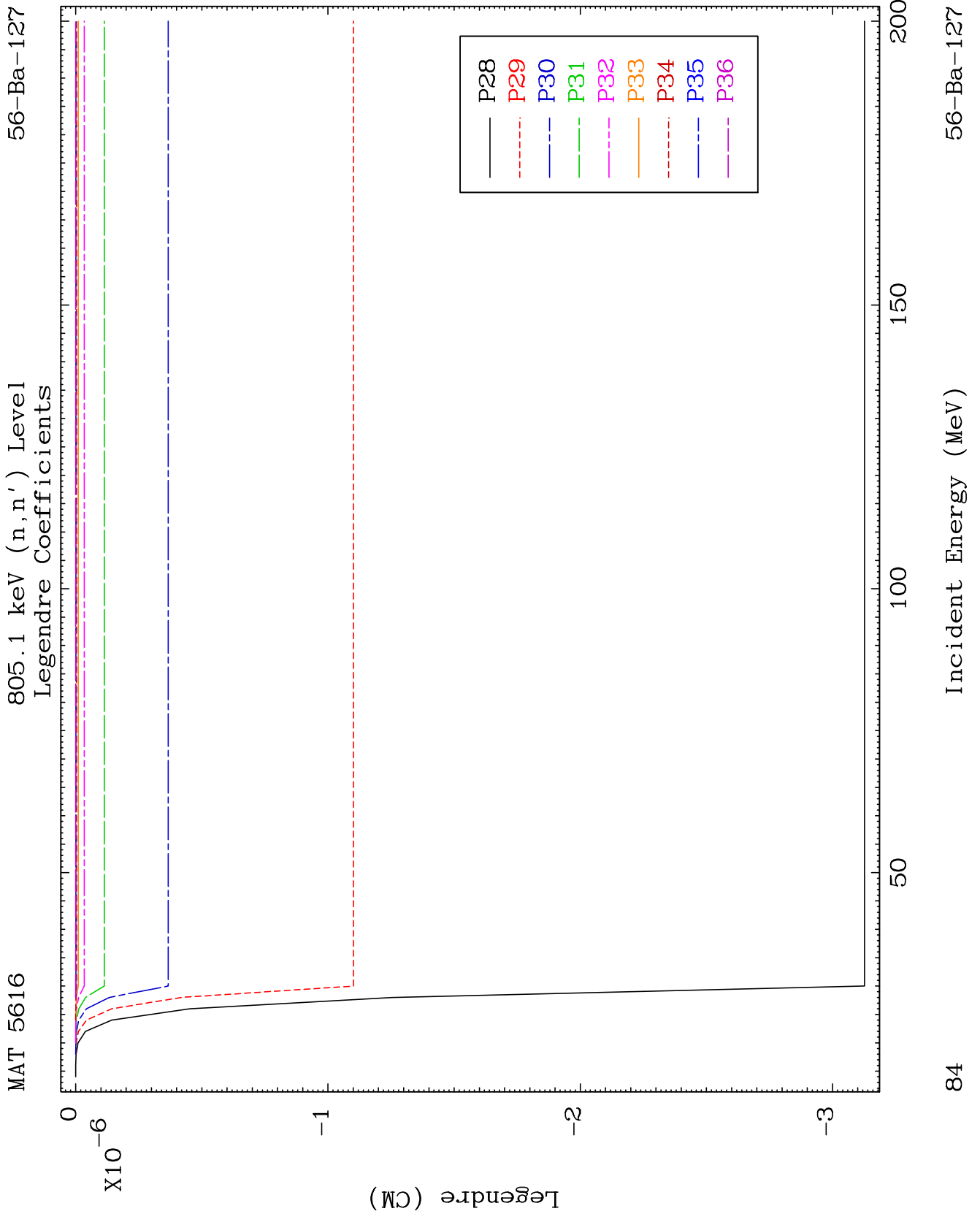


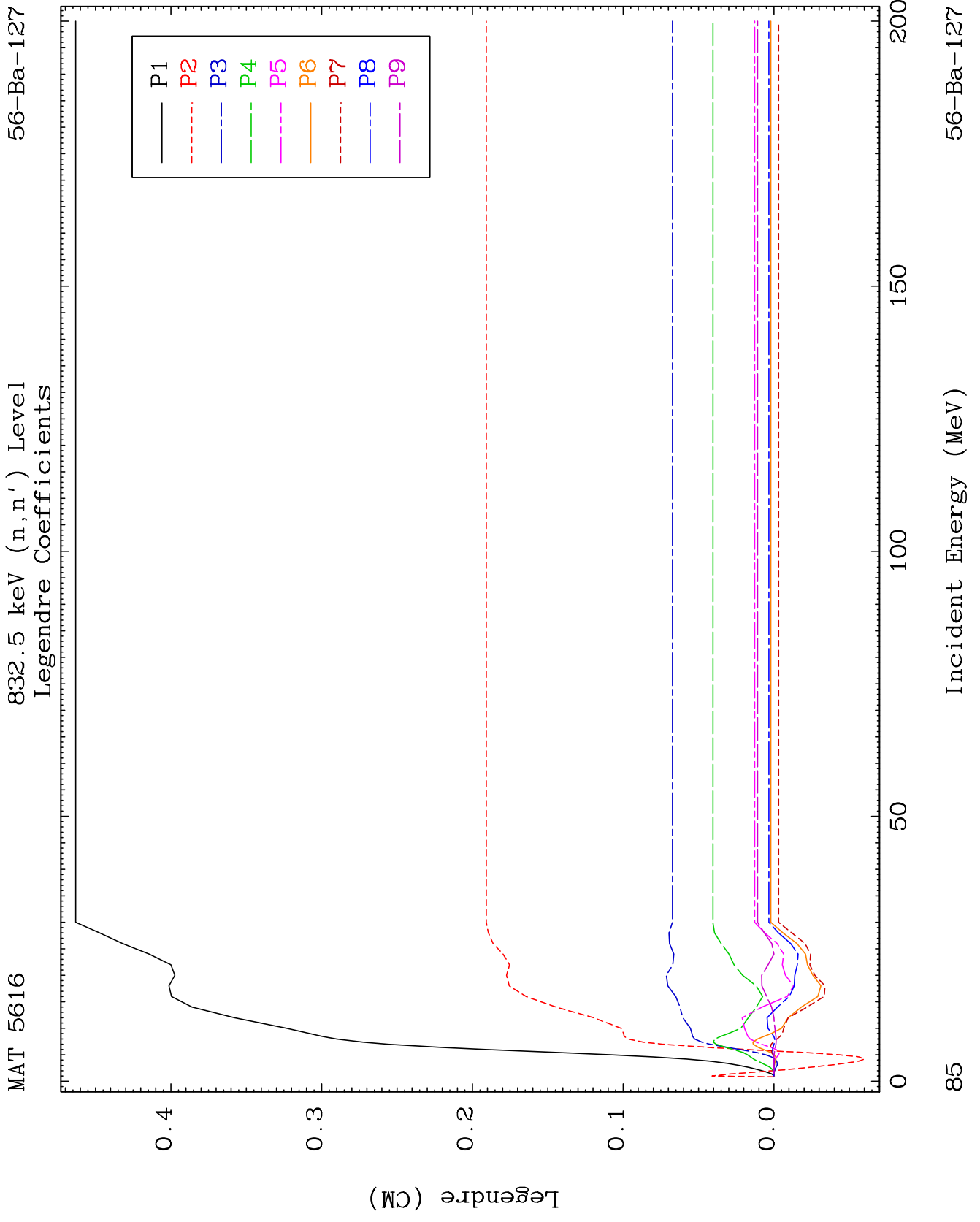
81

Incident Energy (MeV)

56-Ba-127



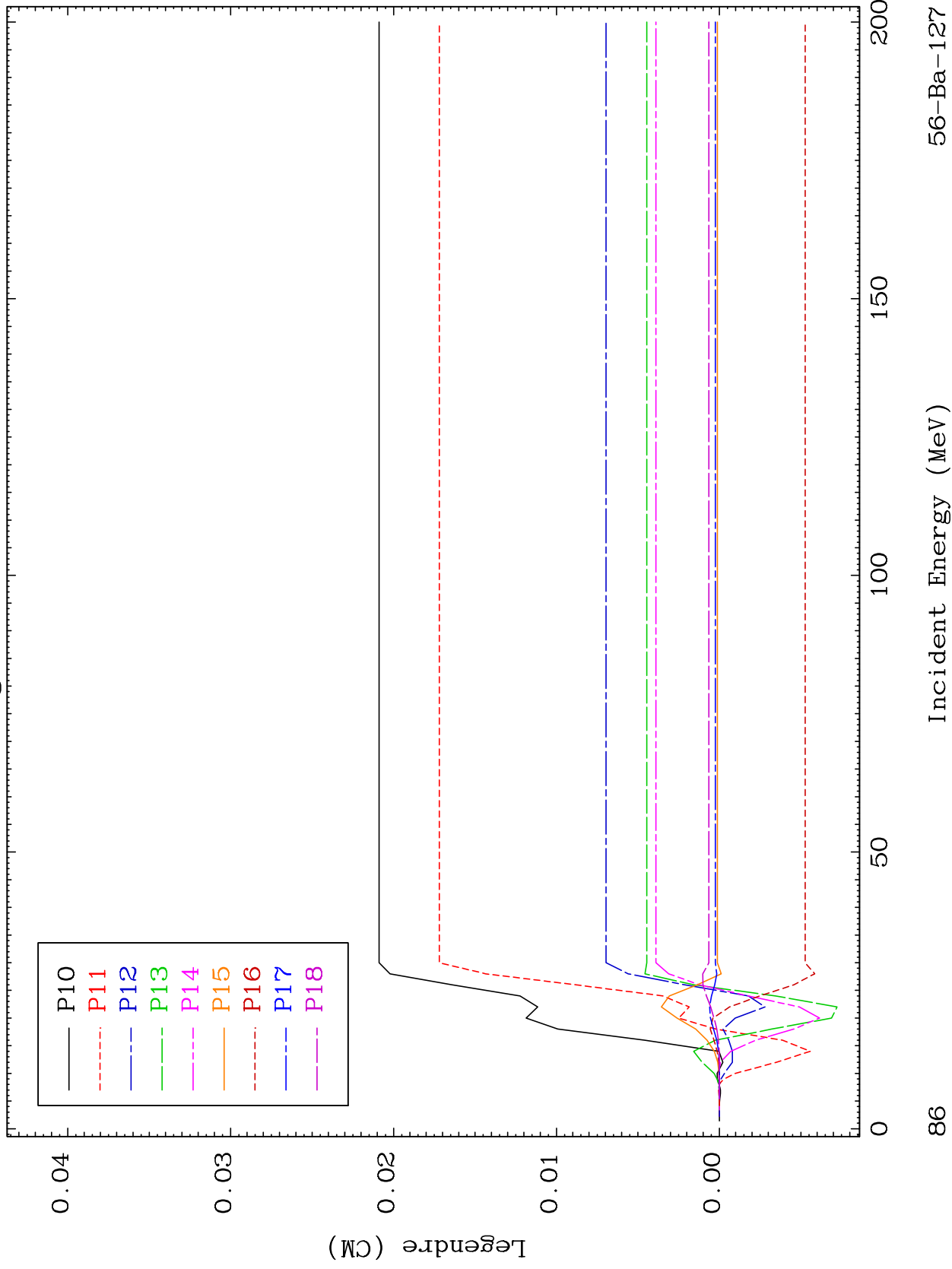




MAT 5616

832.5 keV (n,n') Level
Legendre Coefficients

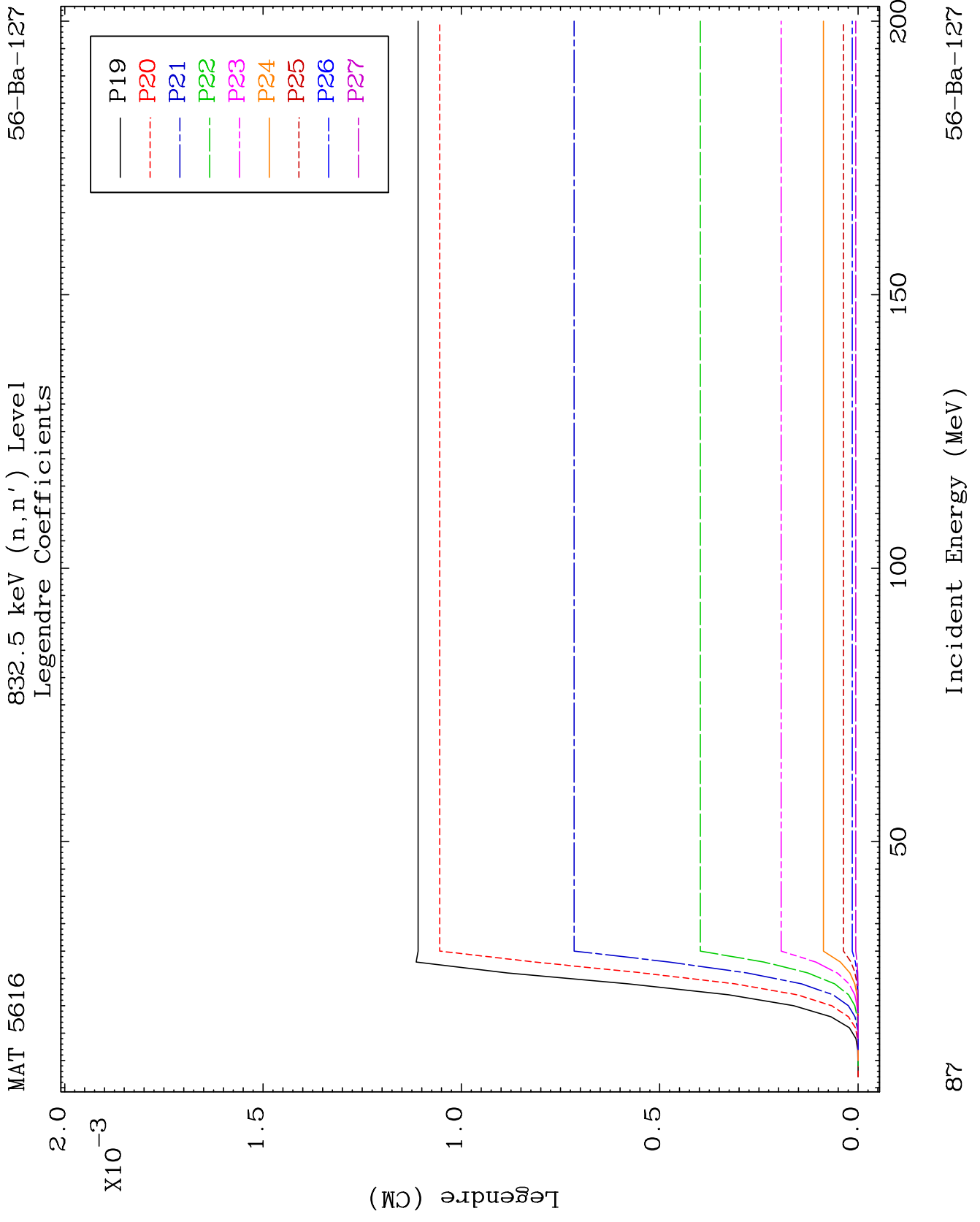
56-Ba-127

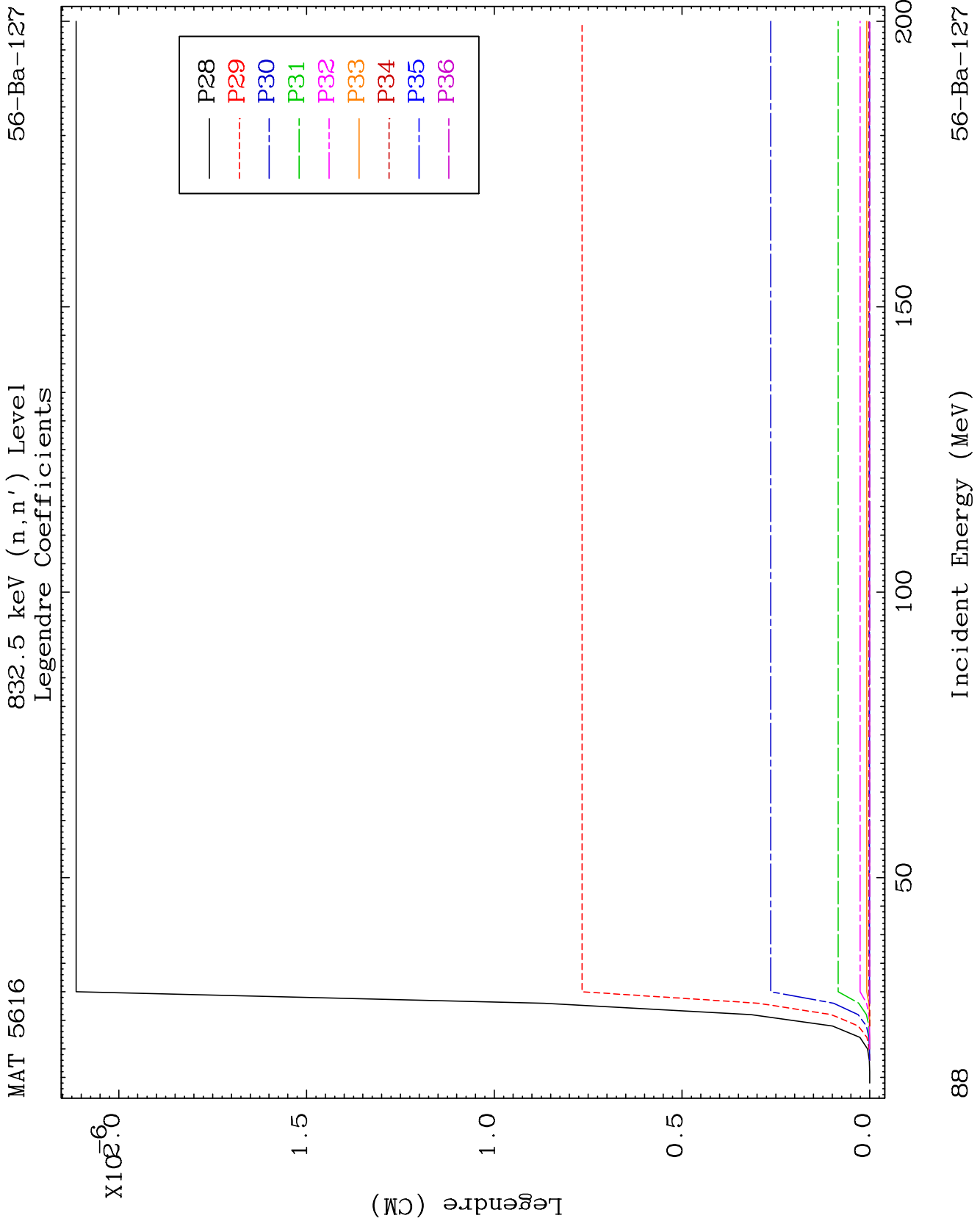


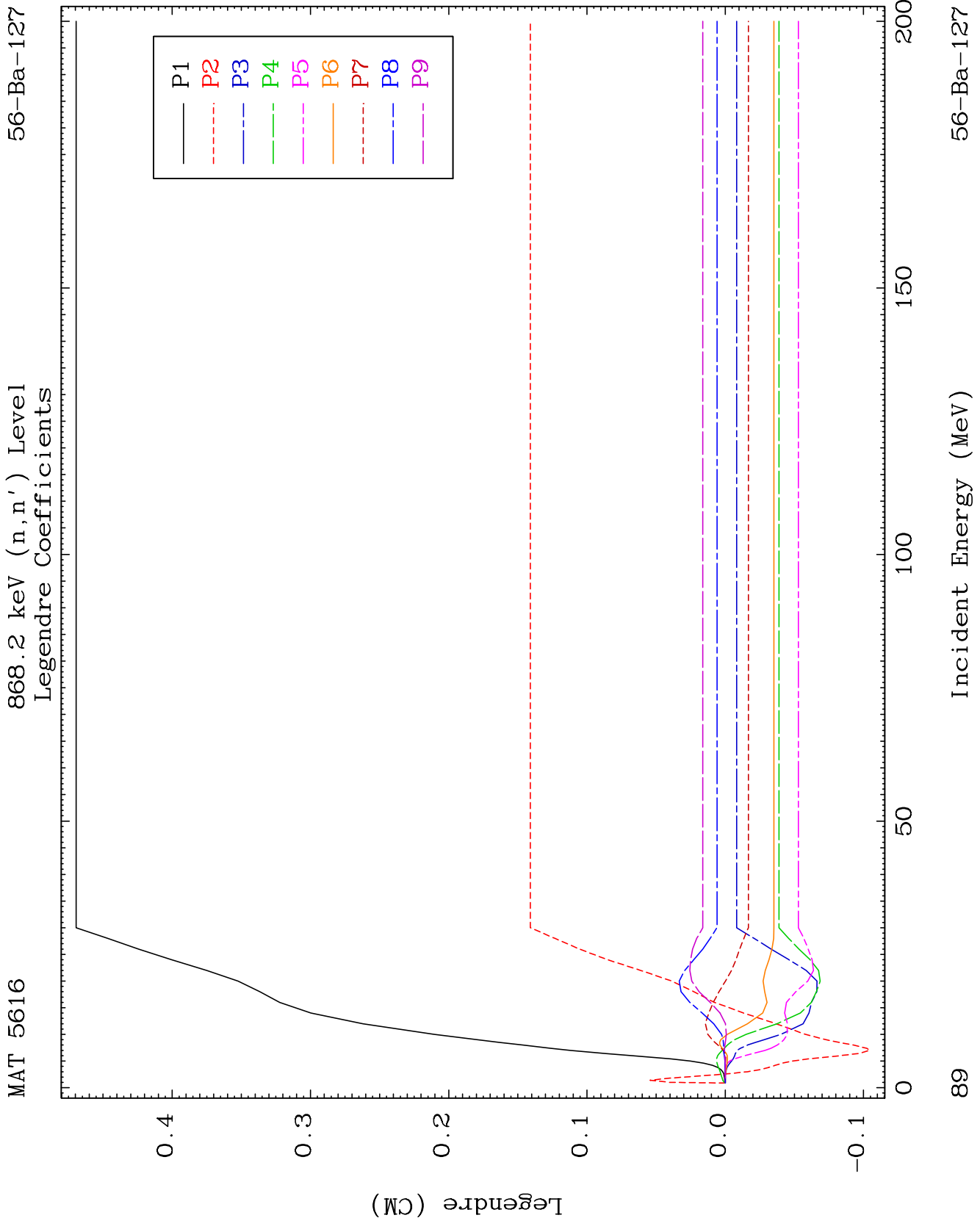
56-Ba-127

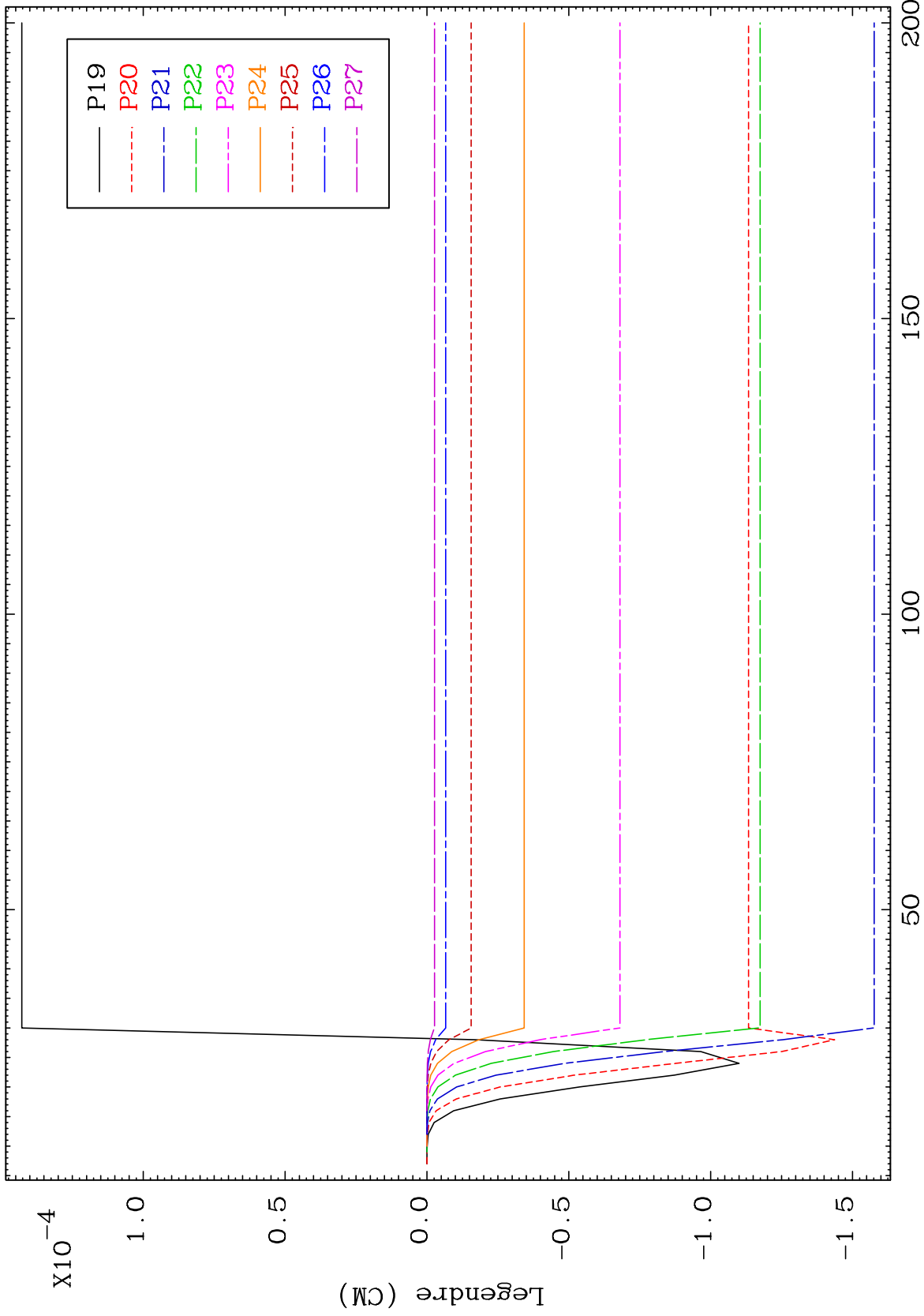
Incident Energy (MeV)

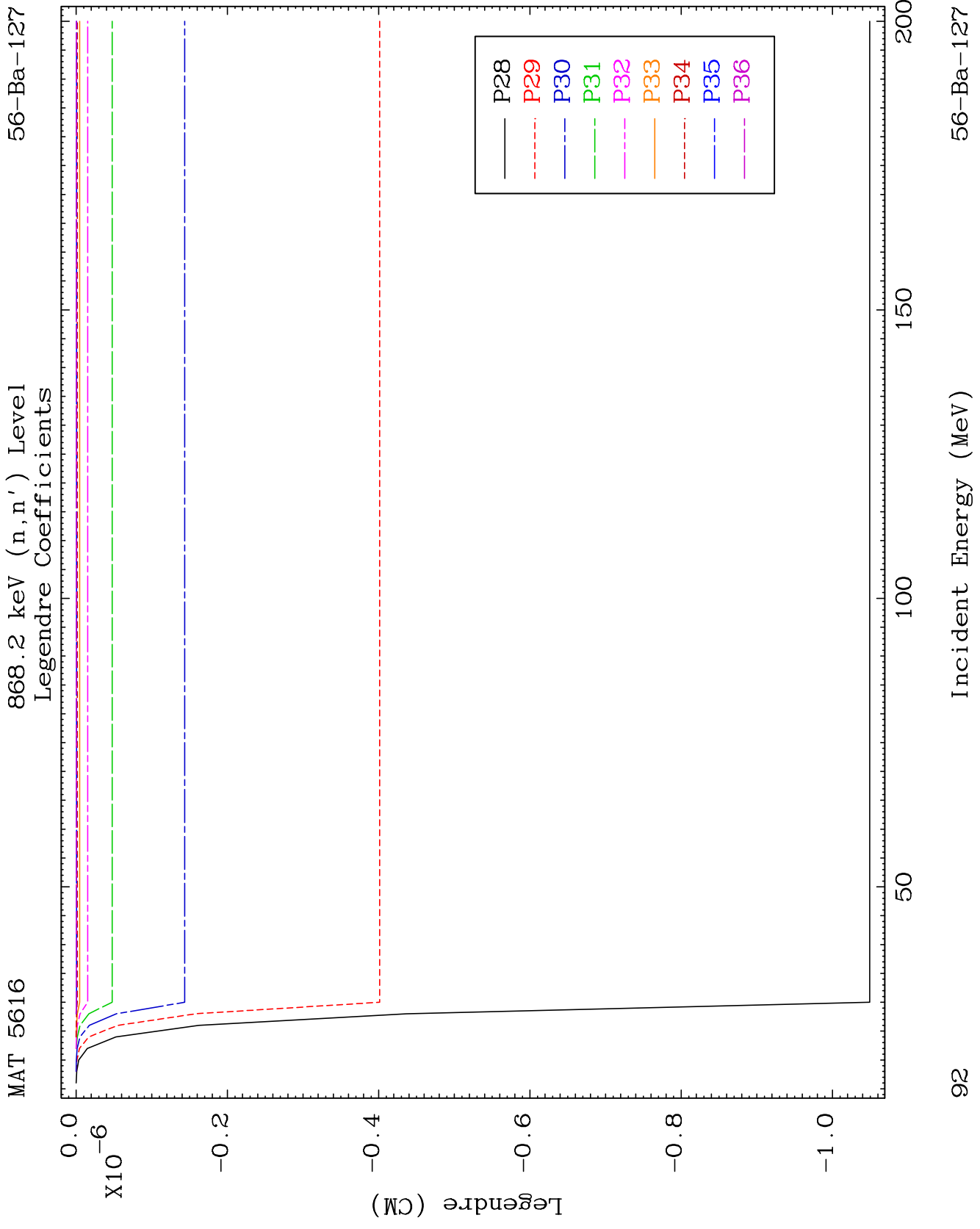
86

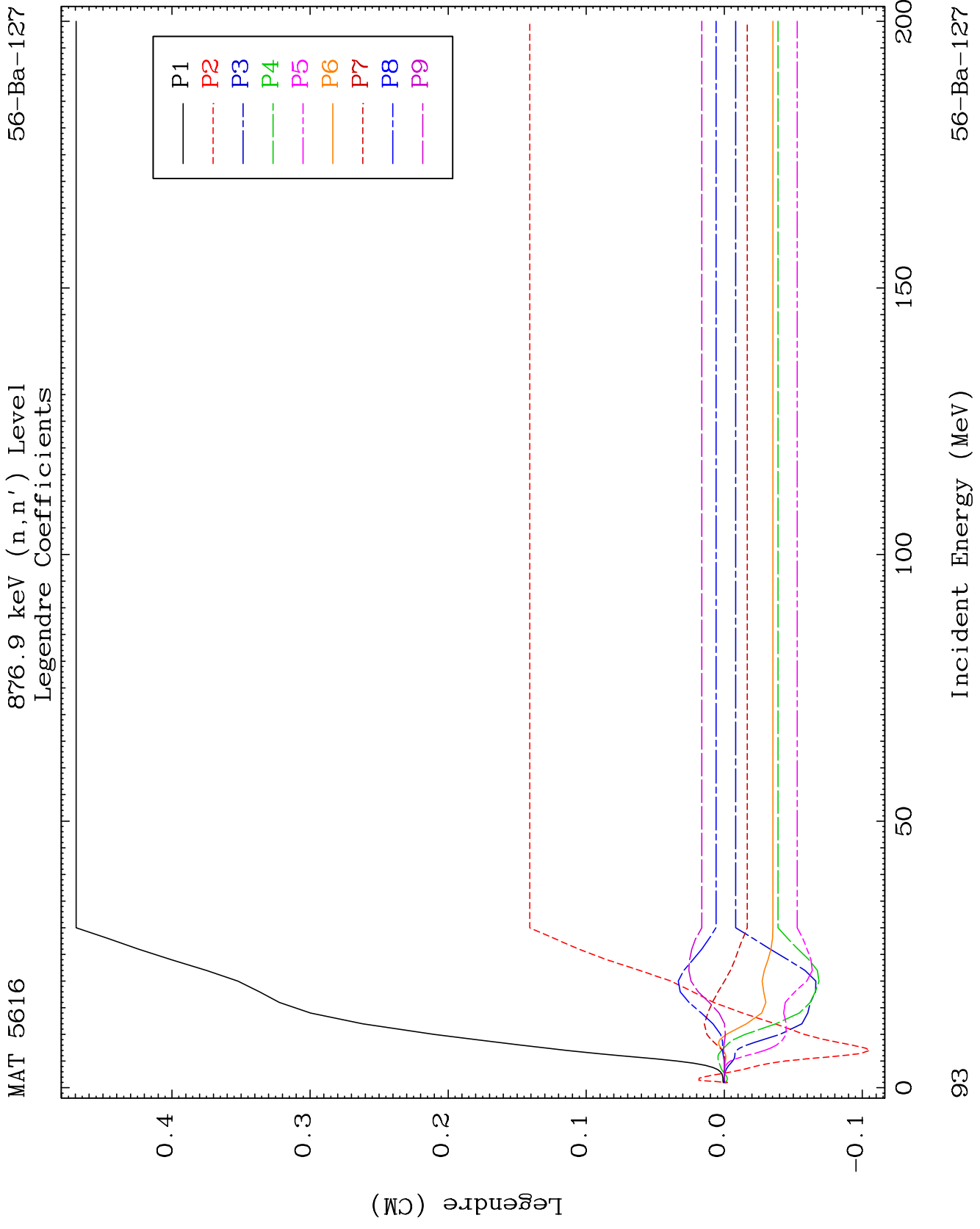








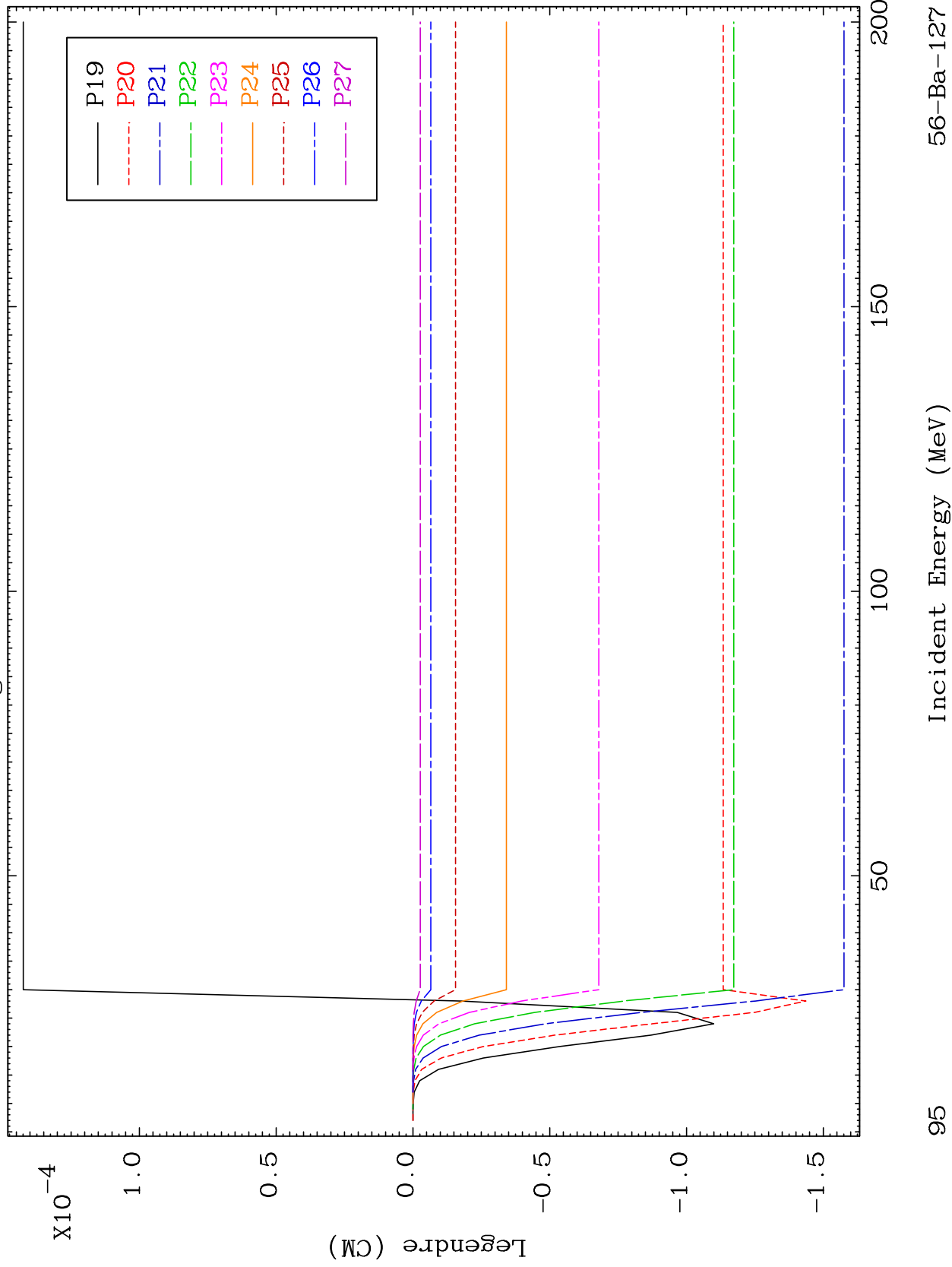




MAT 5616

876.9 keV (n,n') Level
Legendre Coefficients

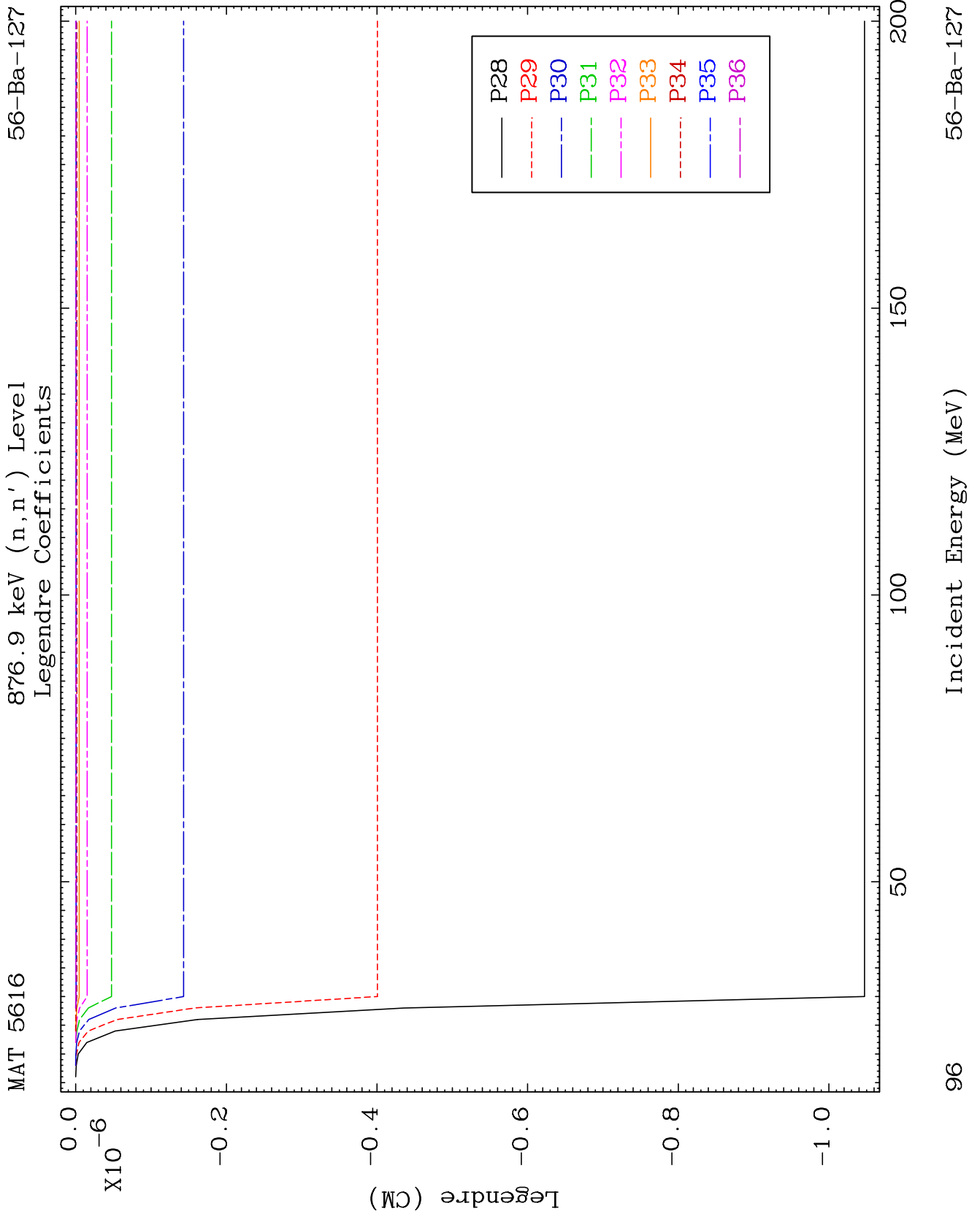
56-Ba-127

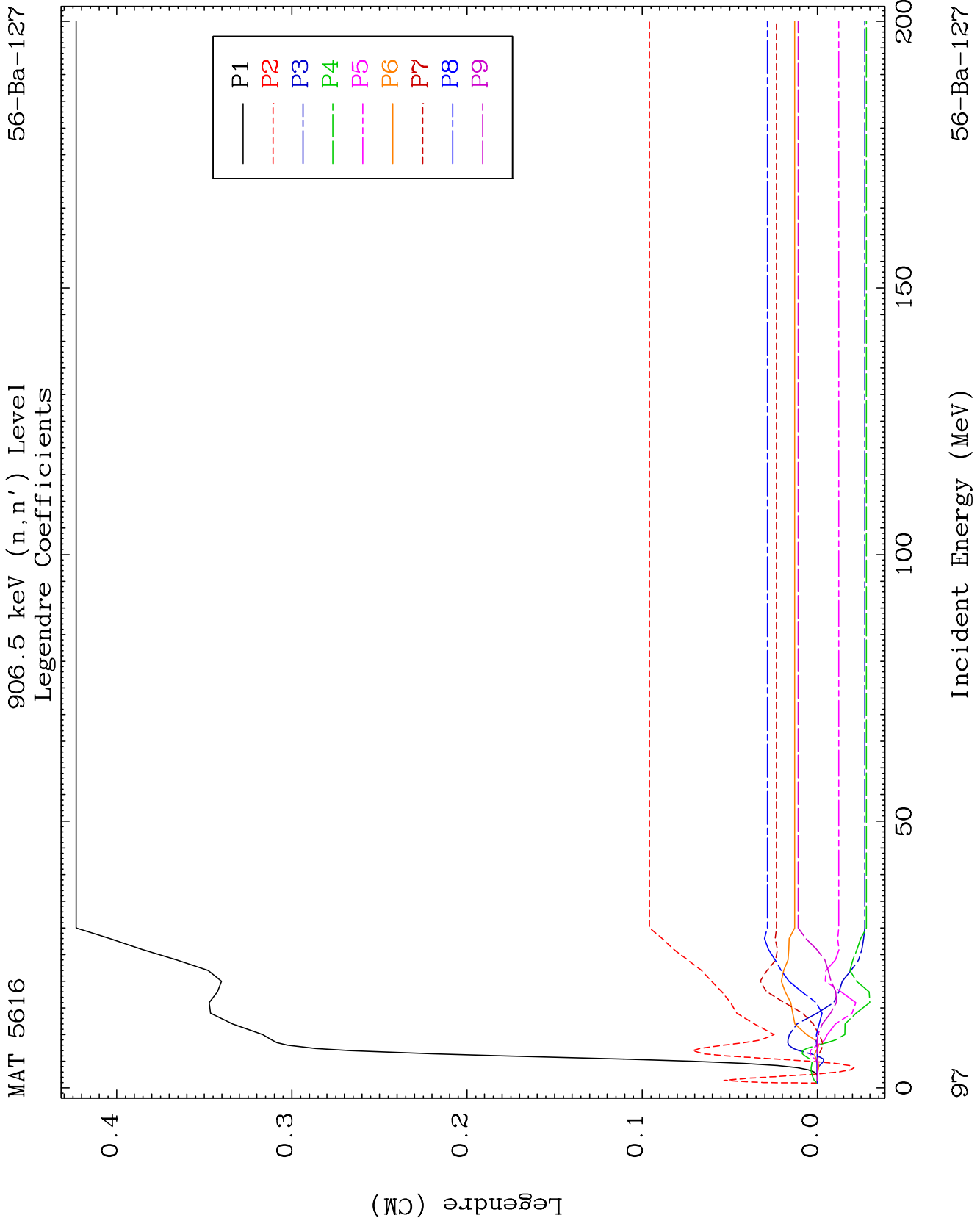


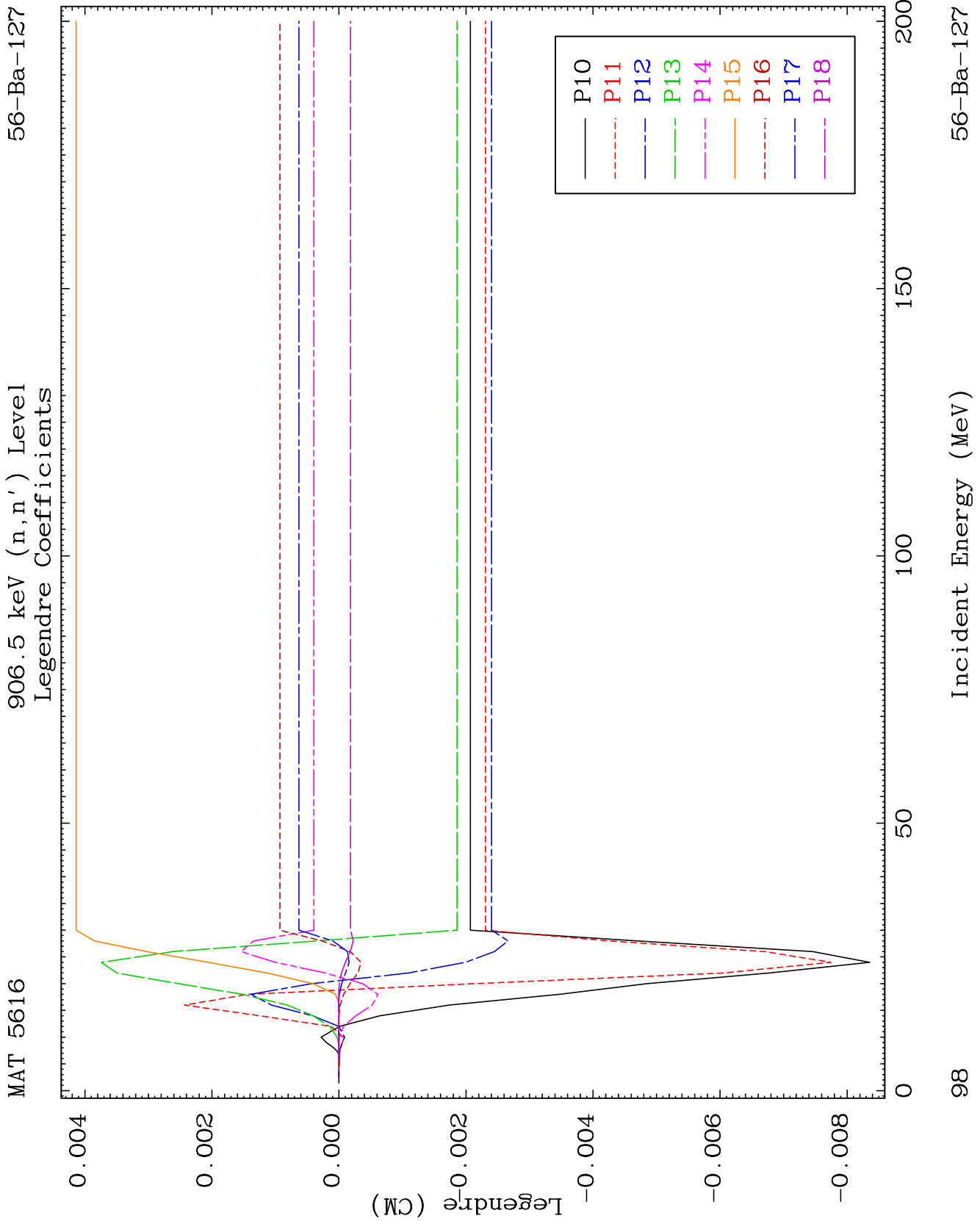
95

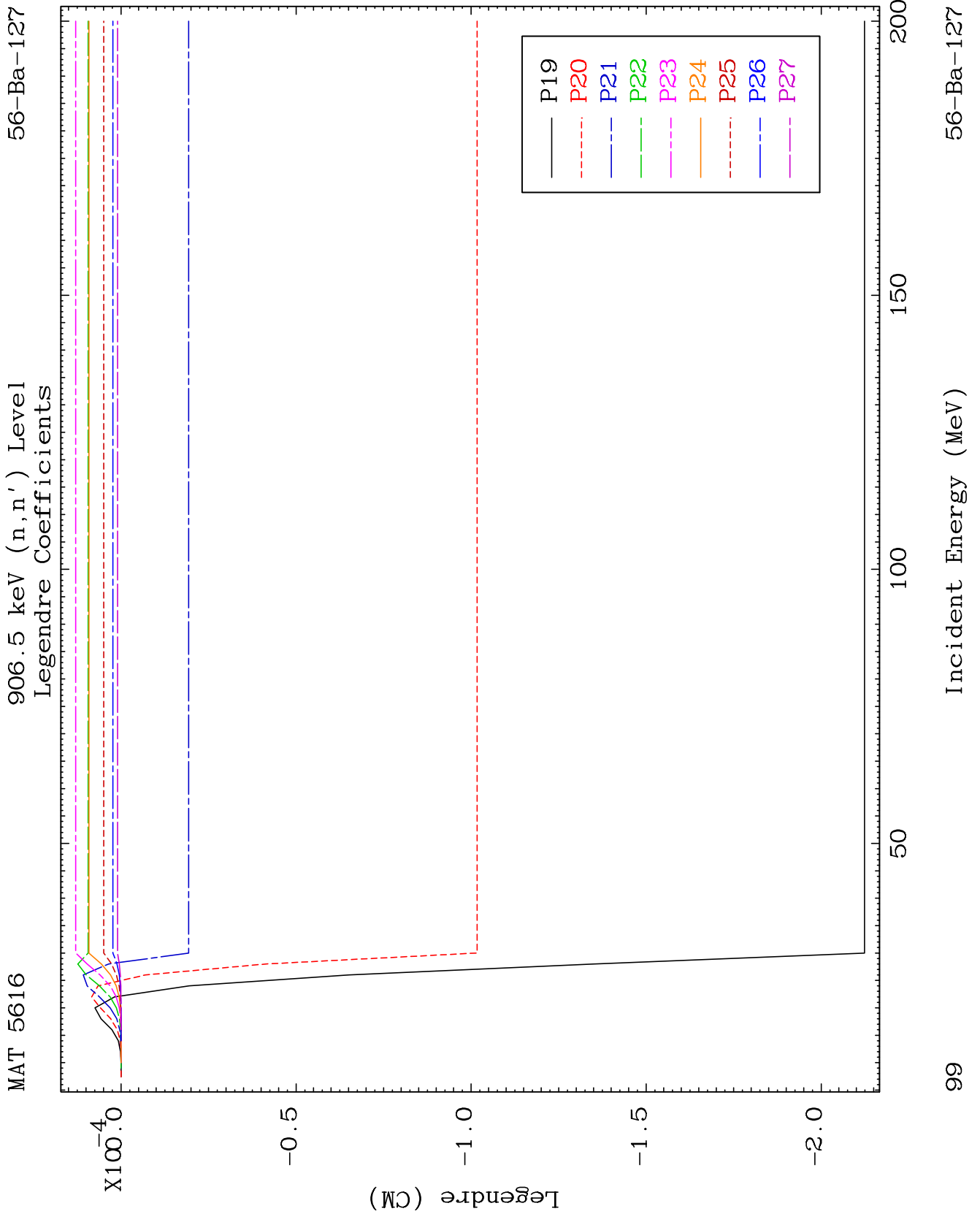
Incident Energy (MeV)

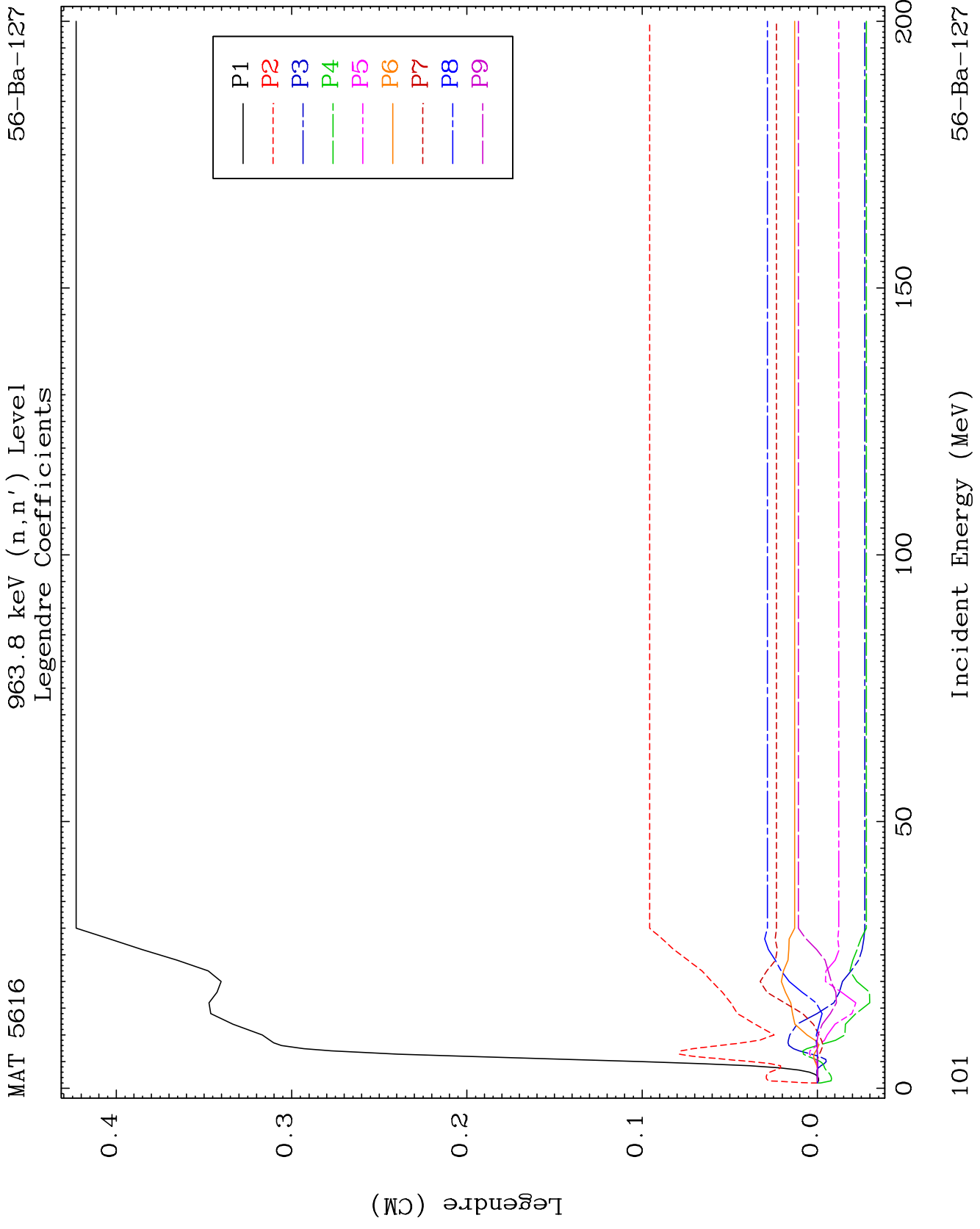
56-Ba-127

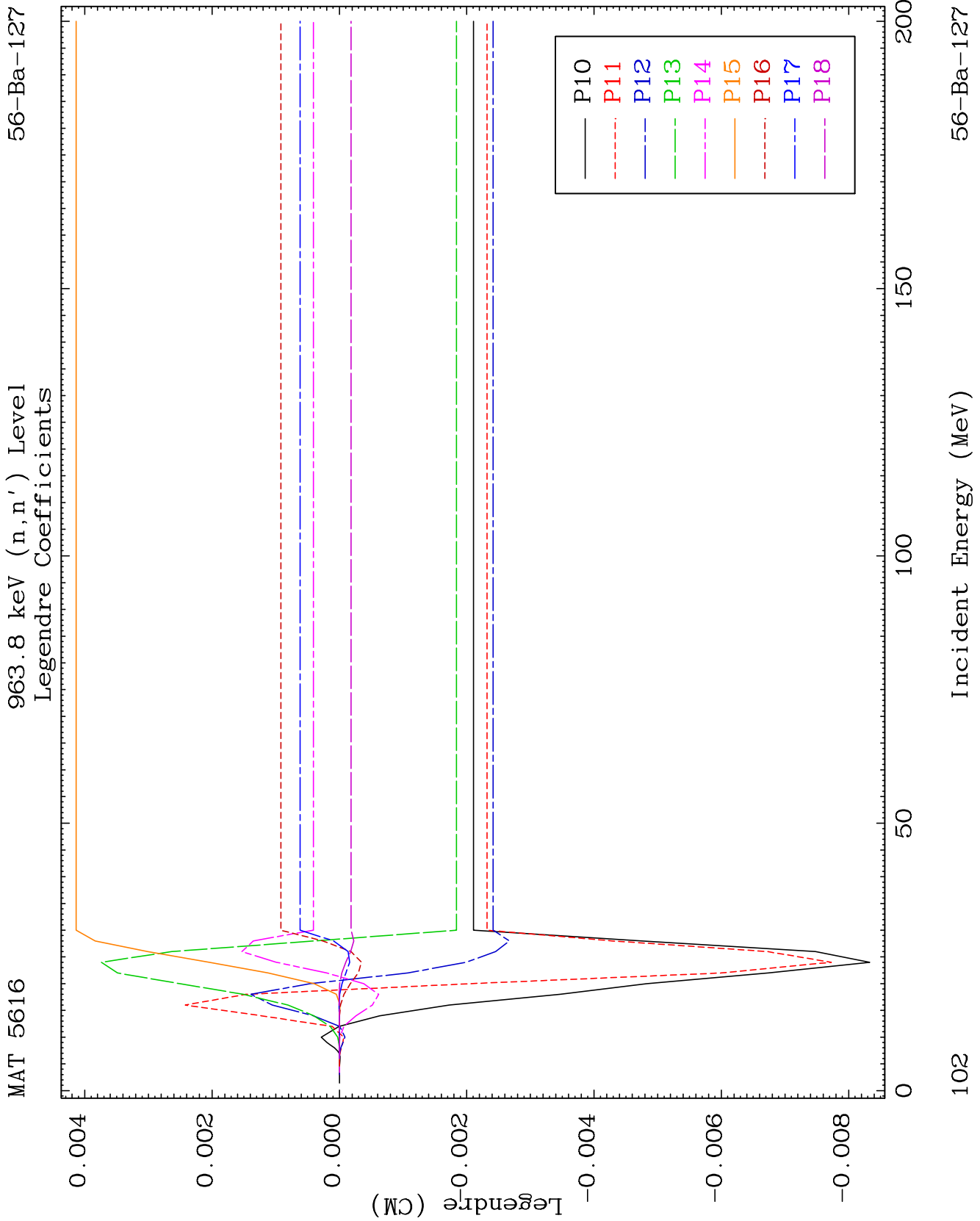


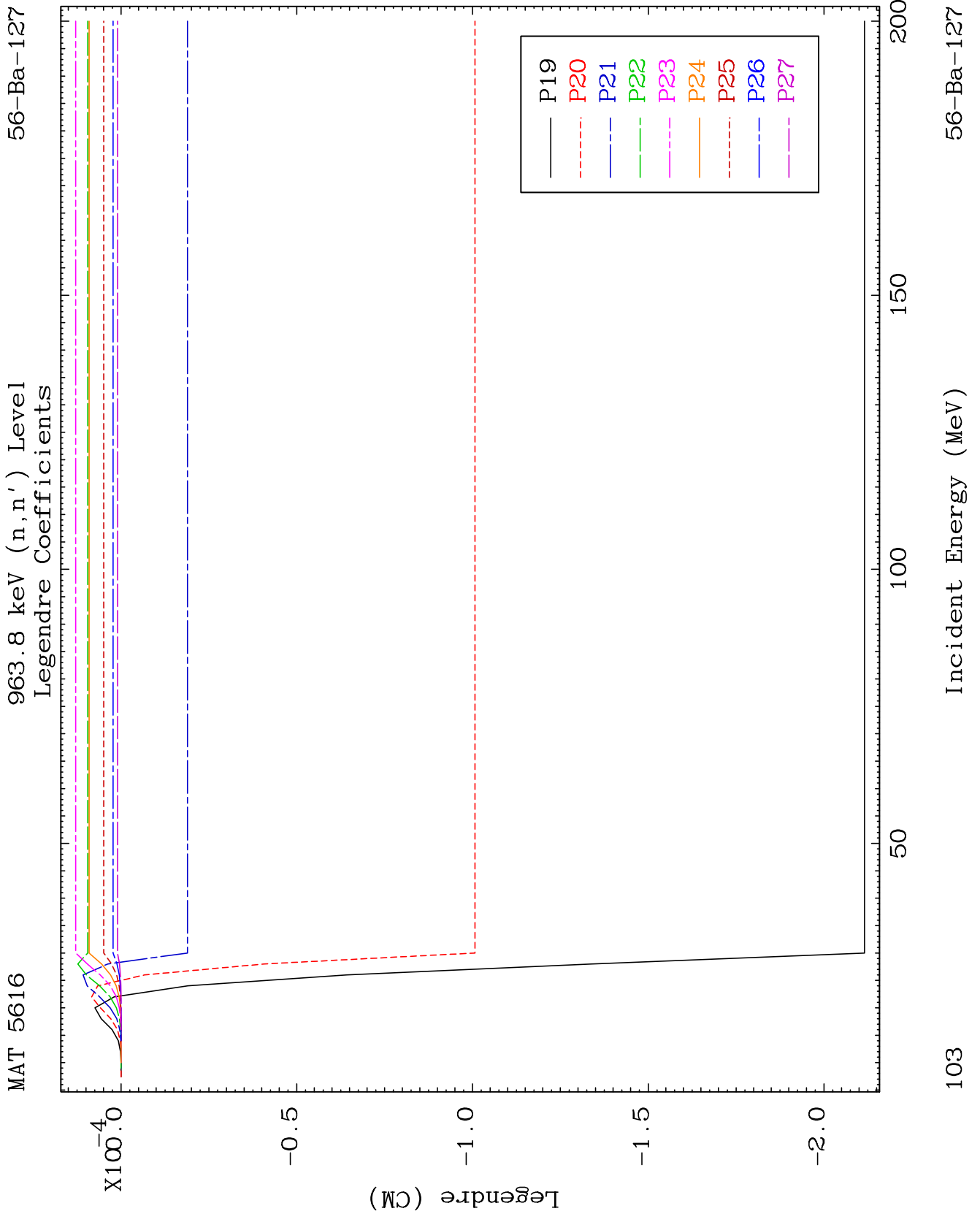


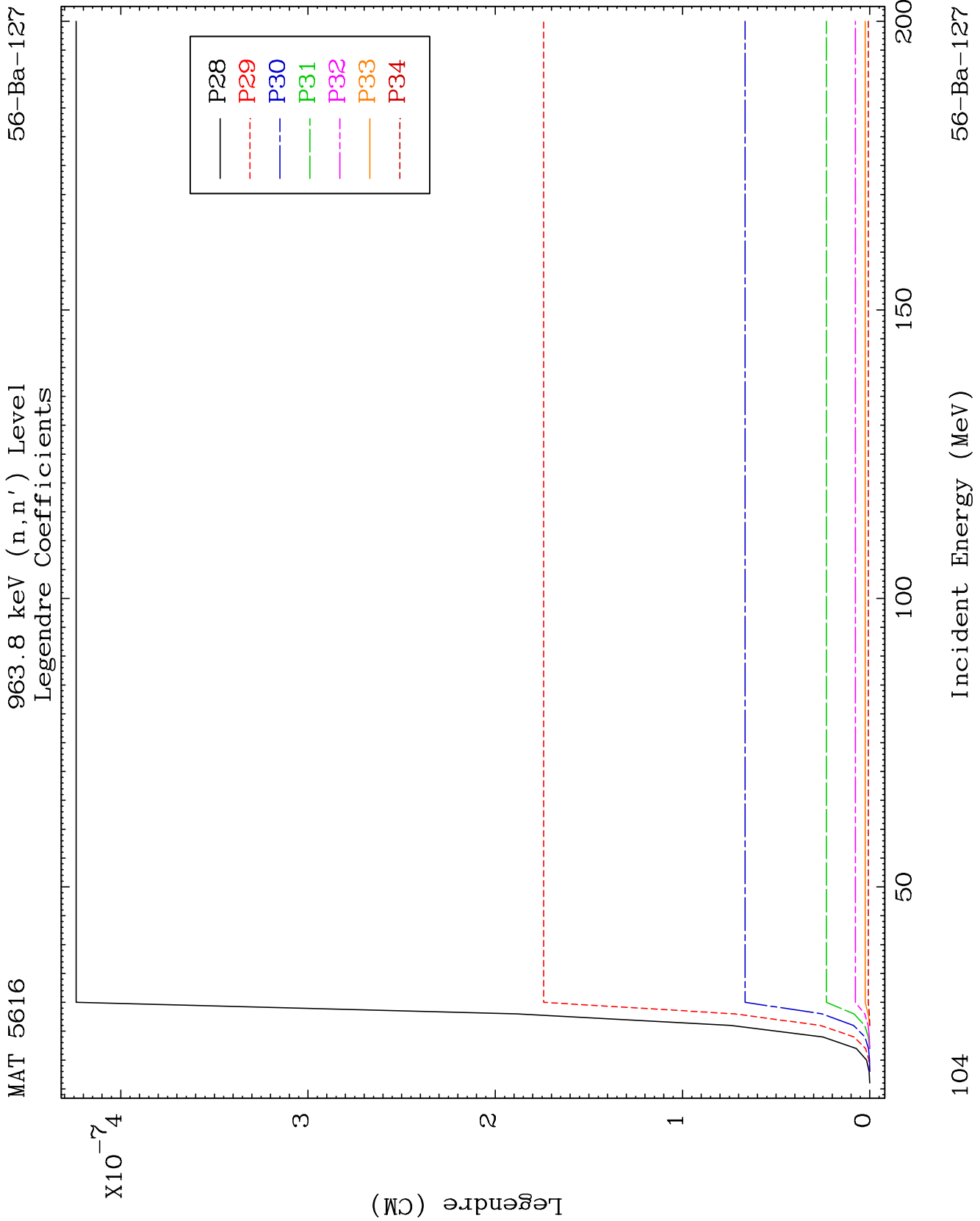


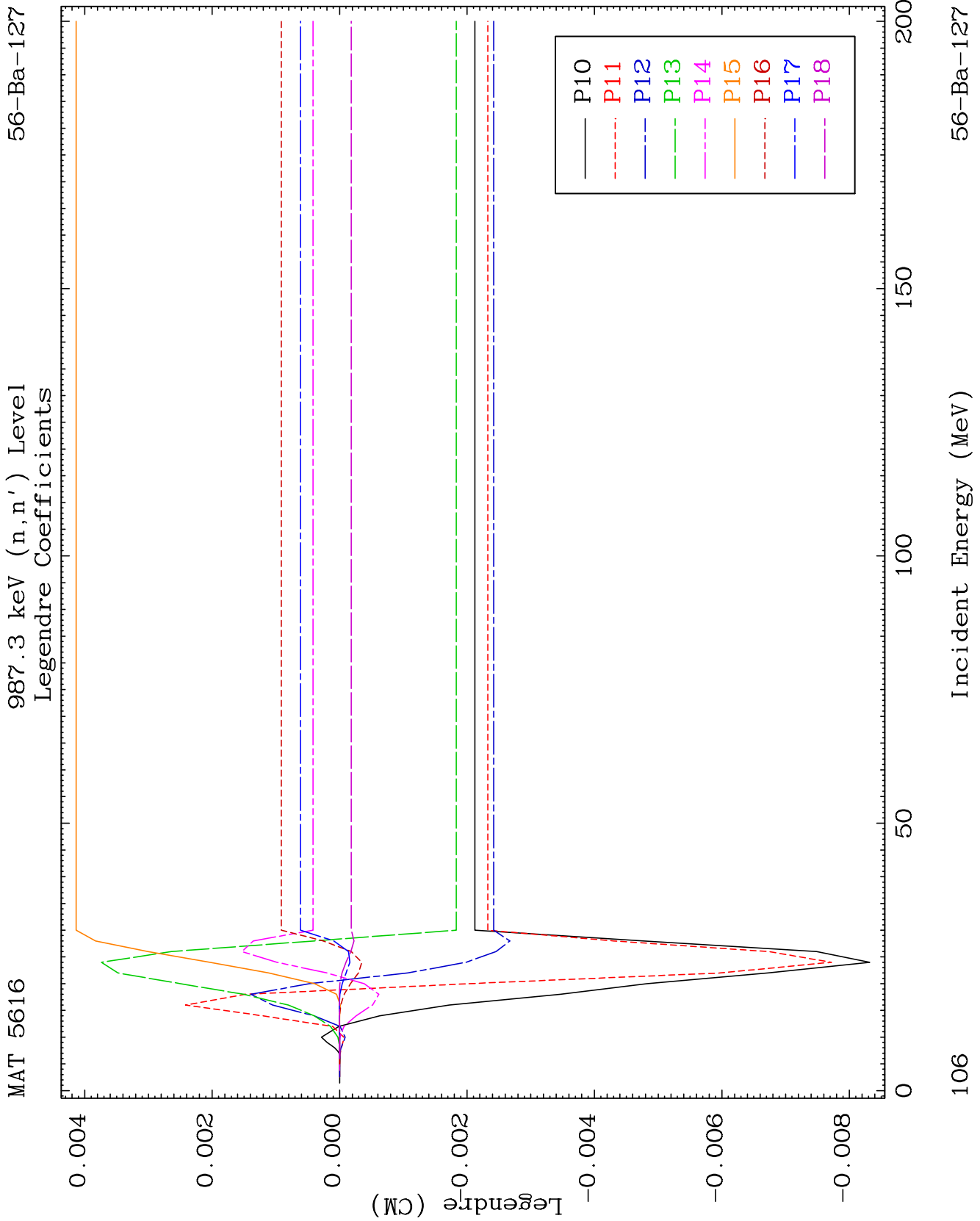


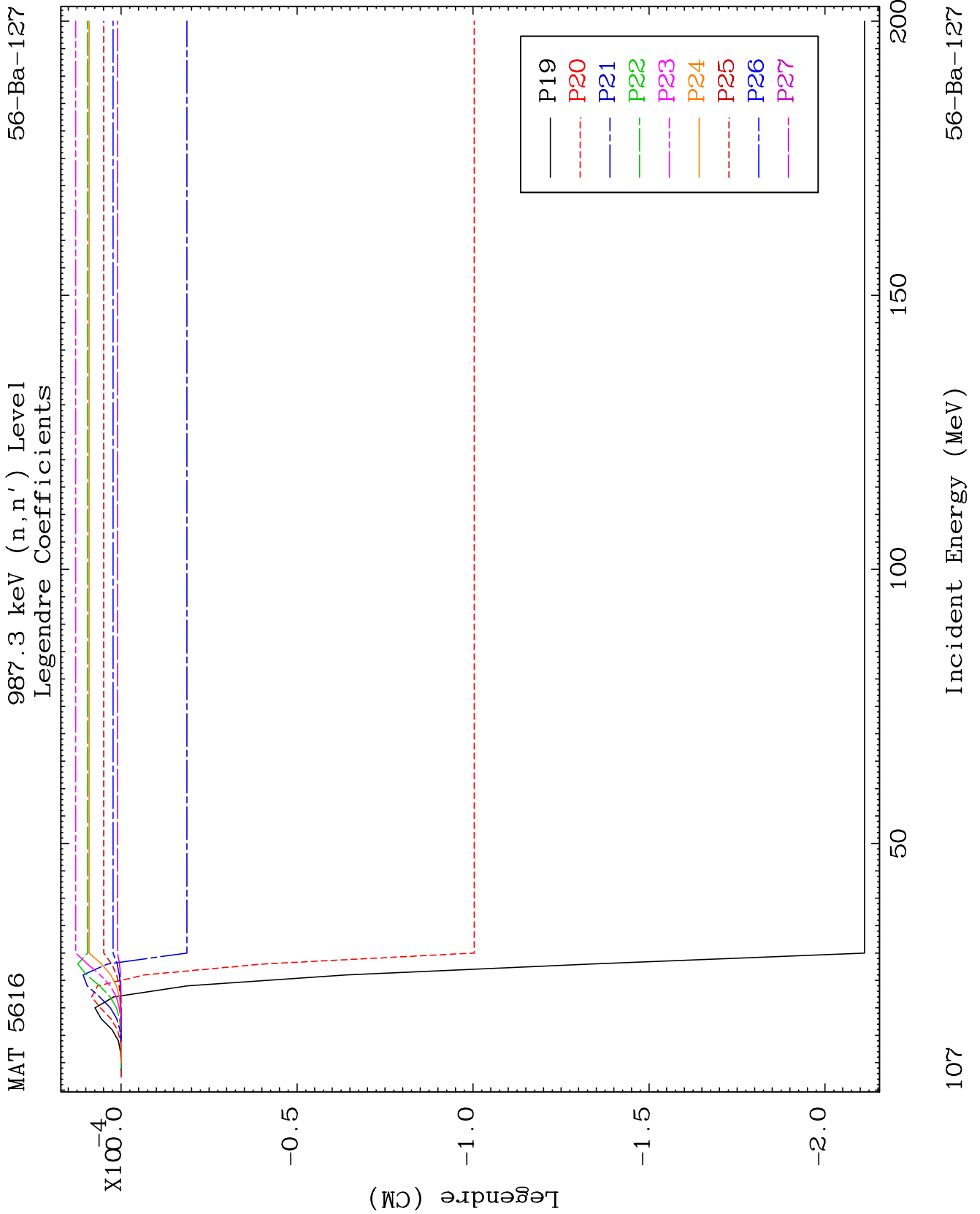








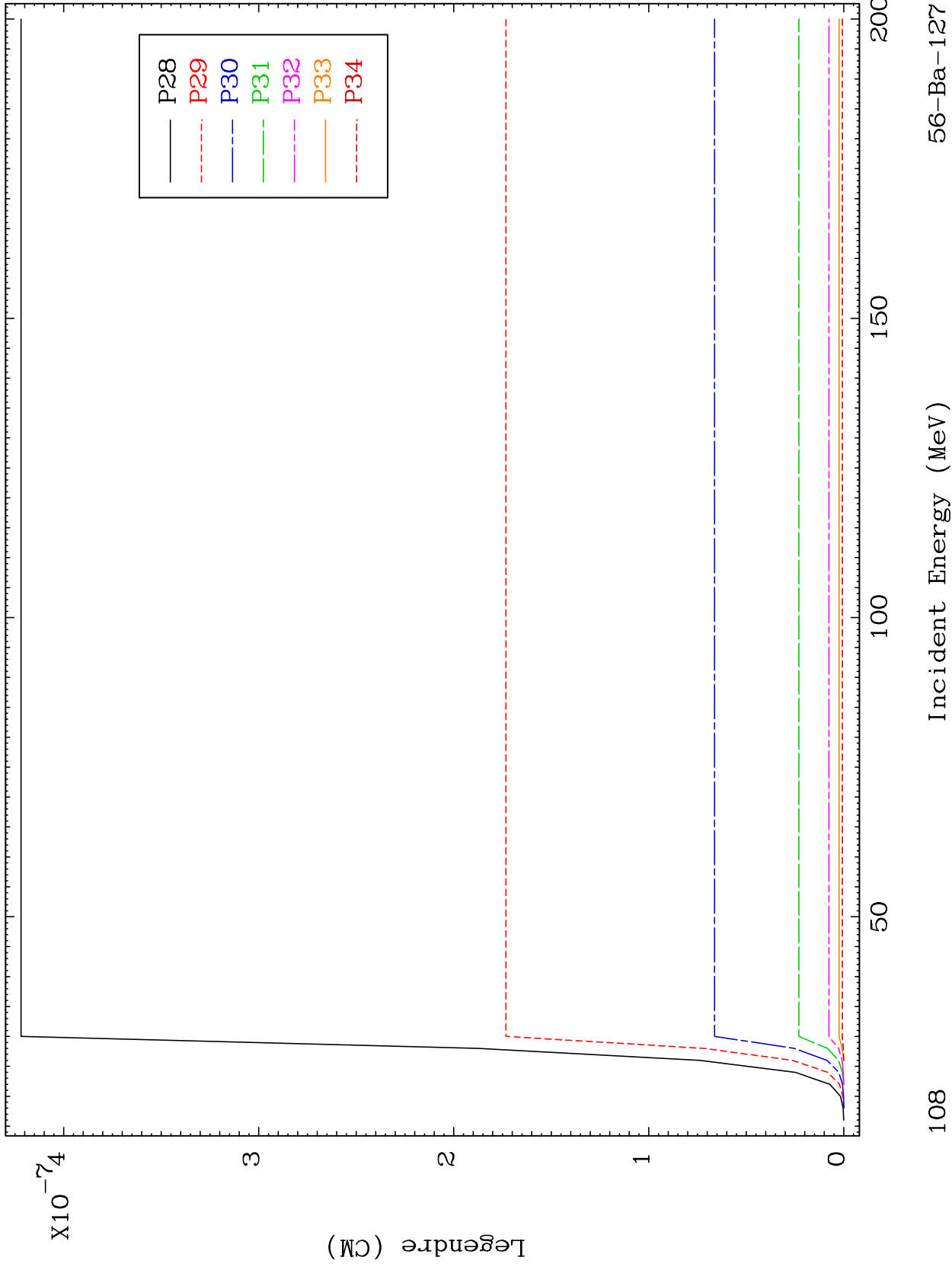




MAT 5616

987.3 keV (n,n') Level
Legendre Coefficients

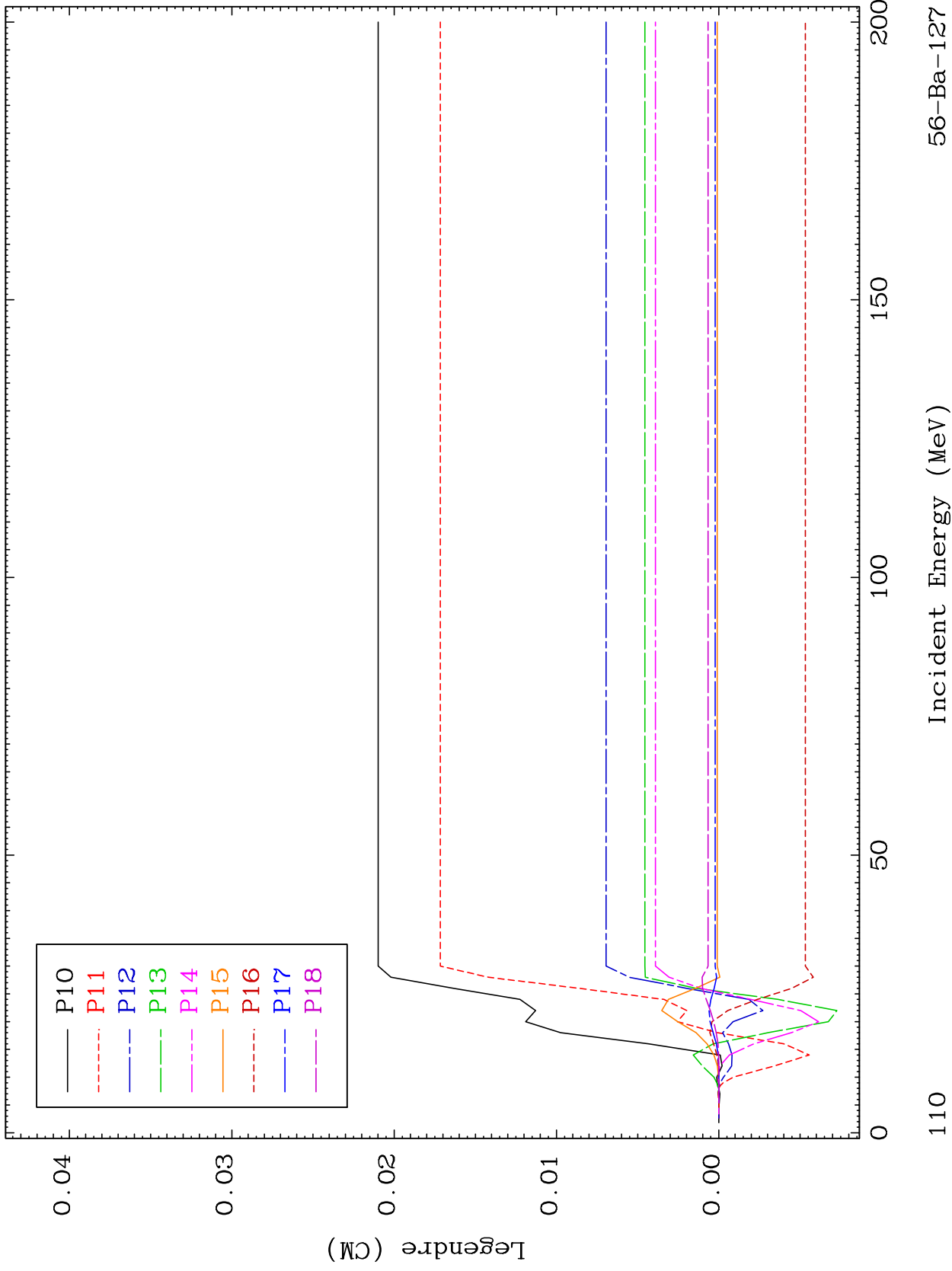
56-Ba-127



MAT 5616

991.2 keV (n,n') Level
Legendre Coefficients

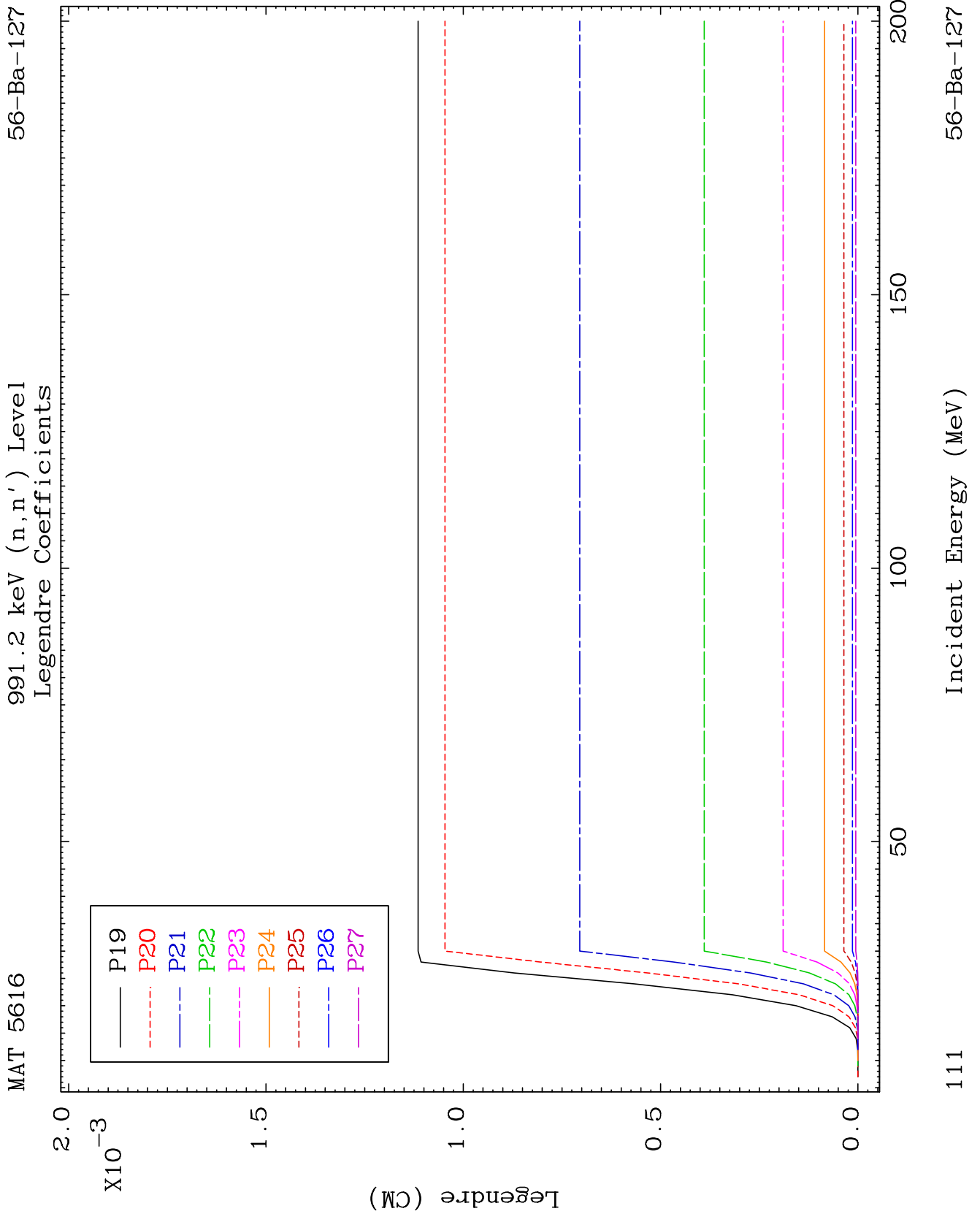
56-Ba-127



56-Ba-127

Incident Energy (MeV)

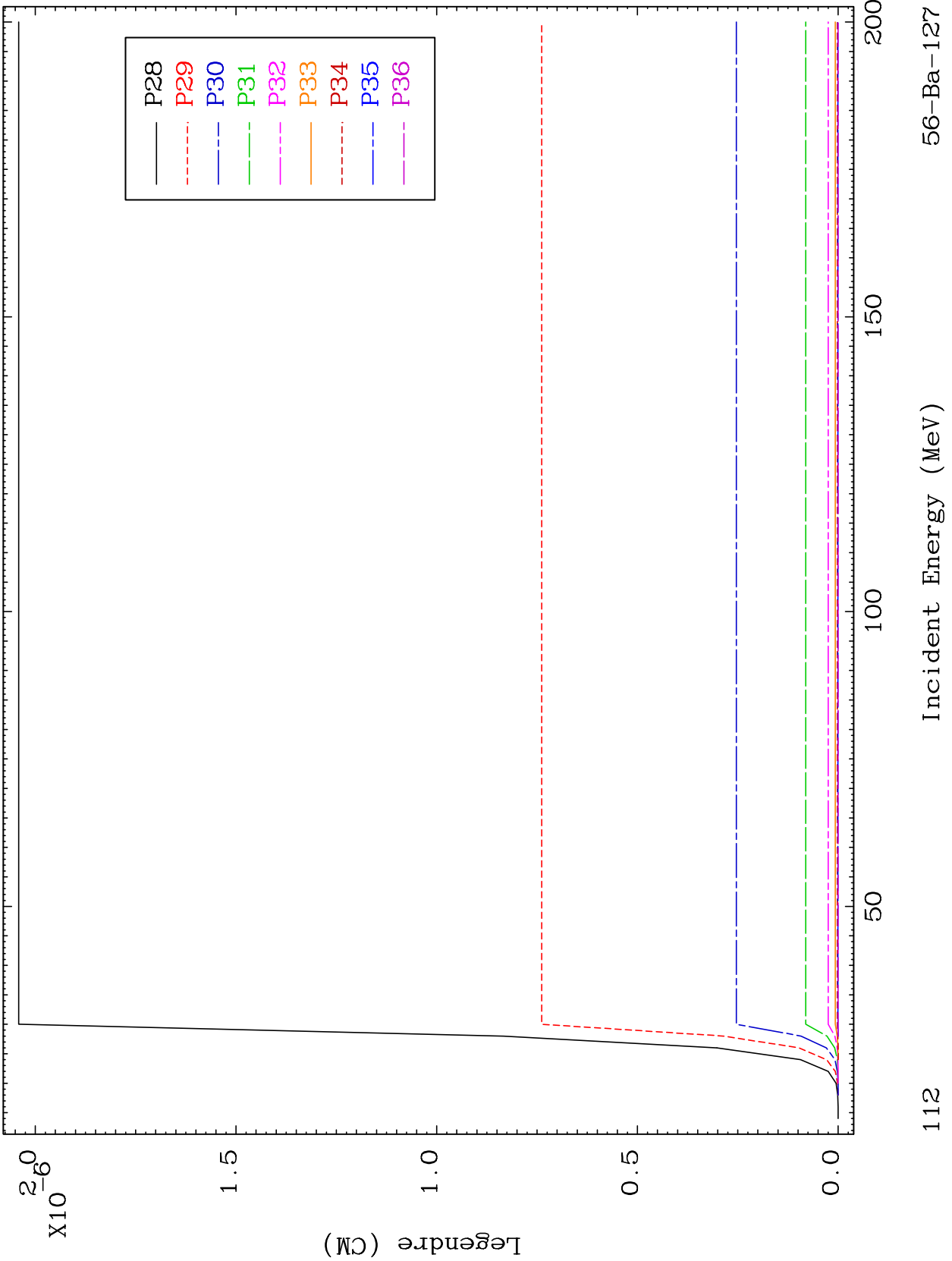
110



MAT 5616

991.2 keV (n,n') Level
Legendre Coefficients

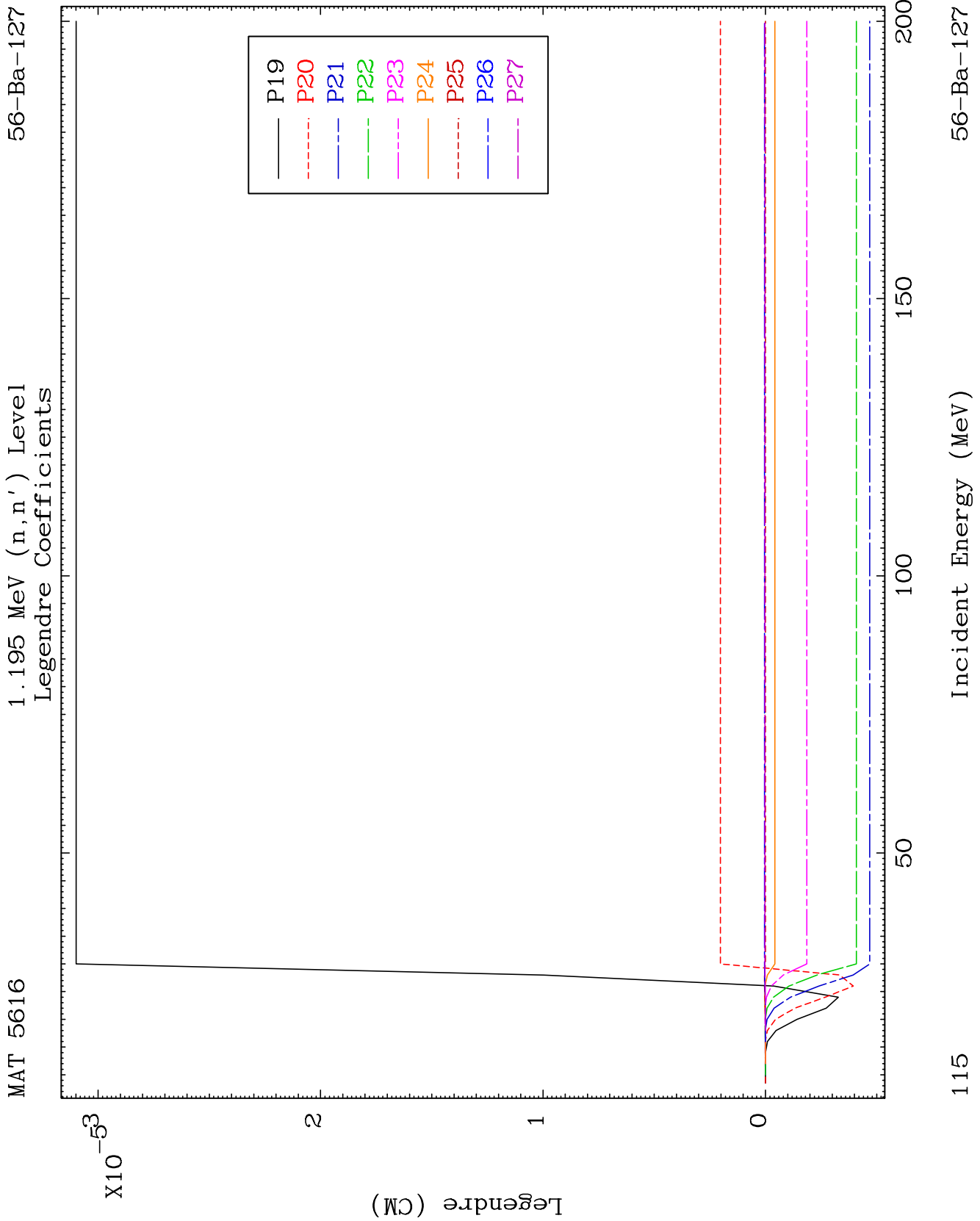
56-Ba-127

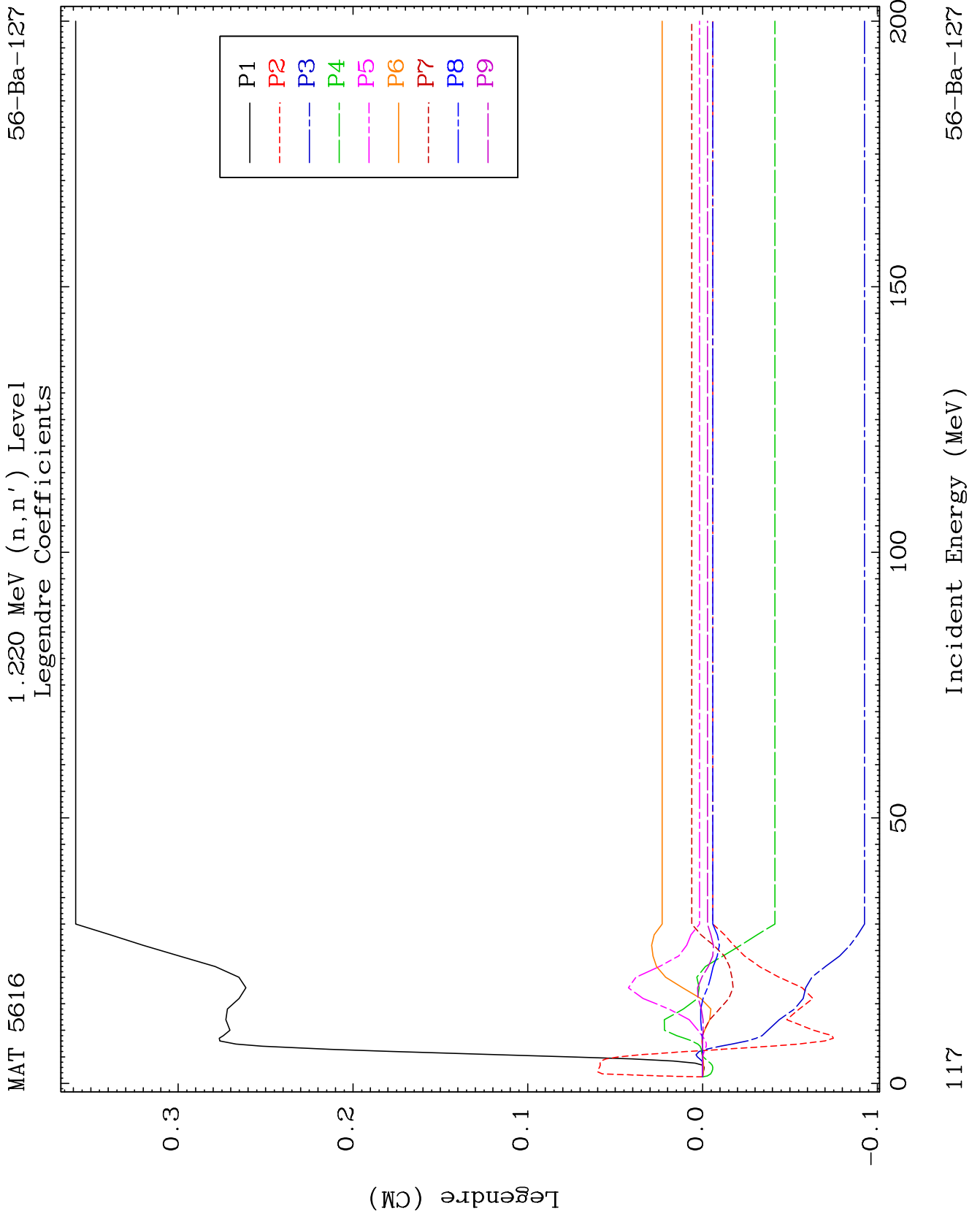


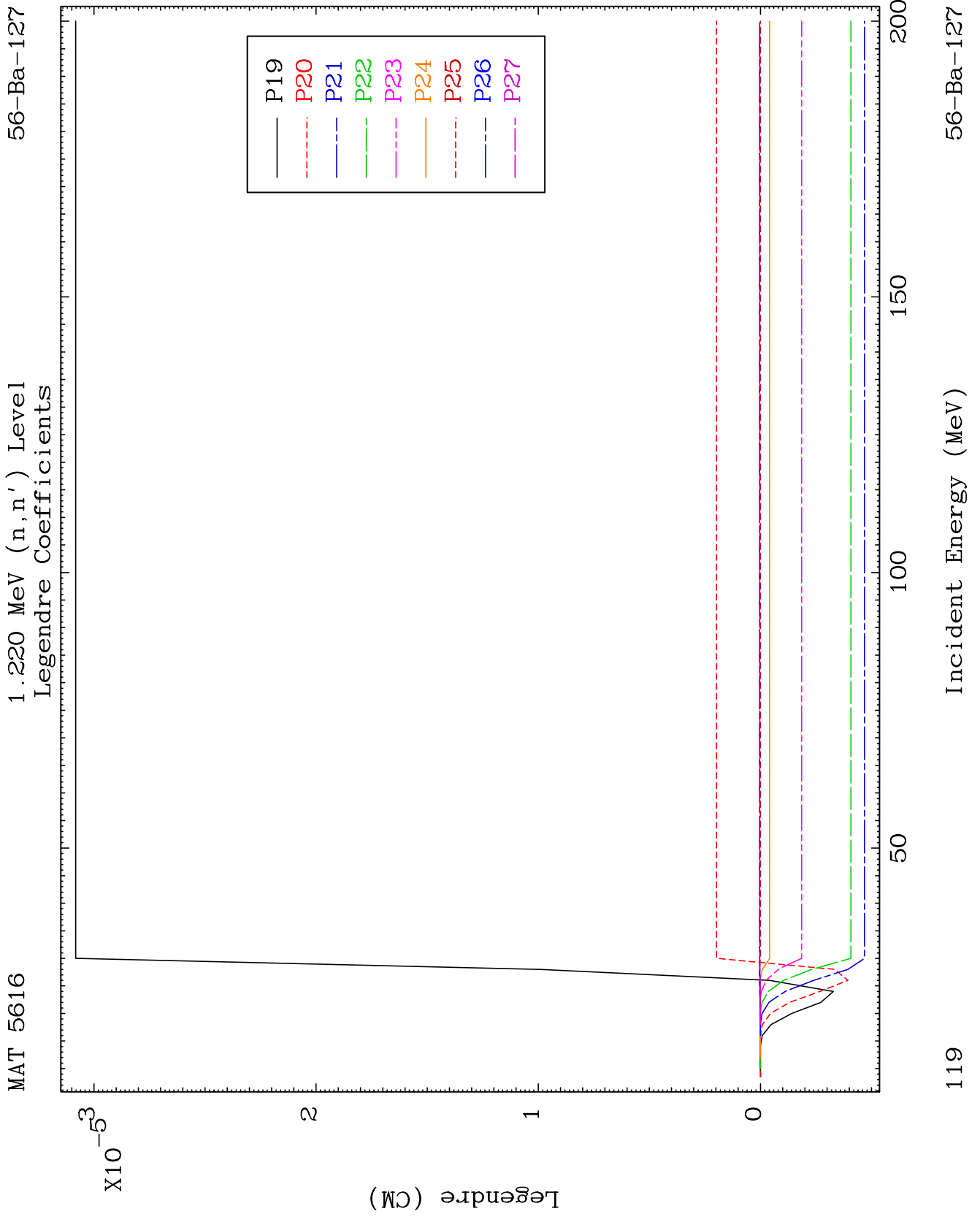
56-Ba-127

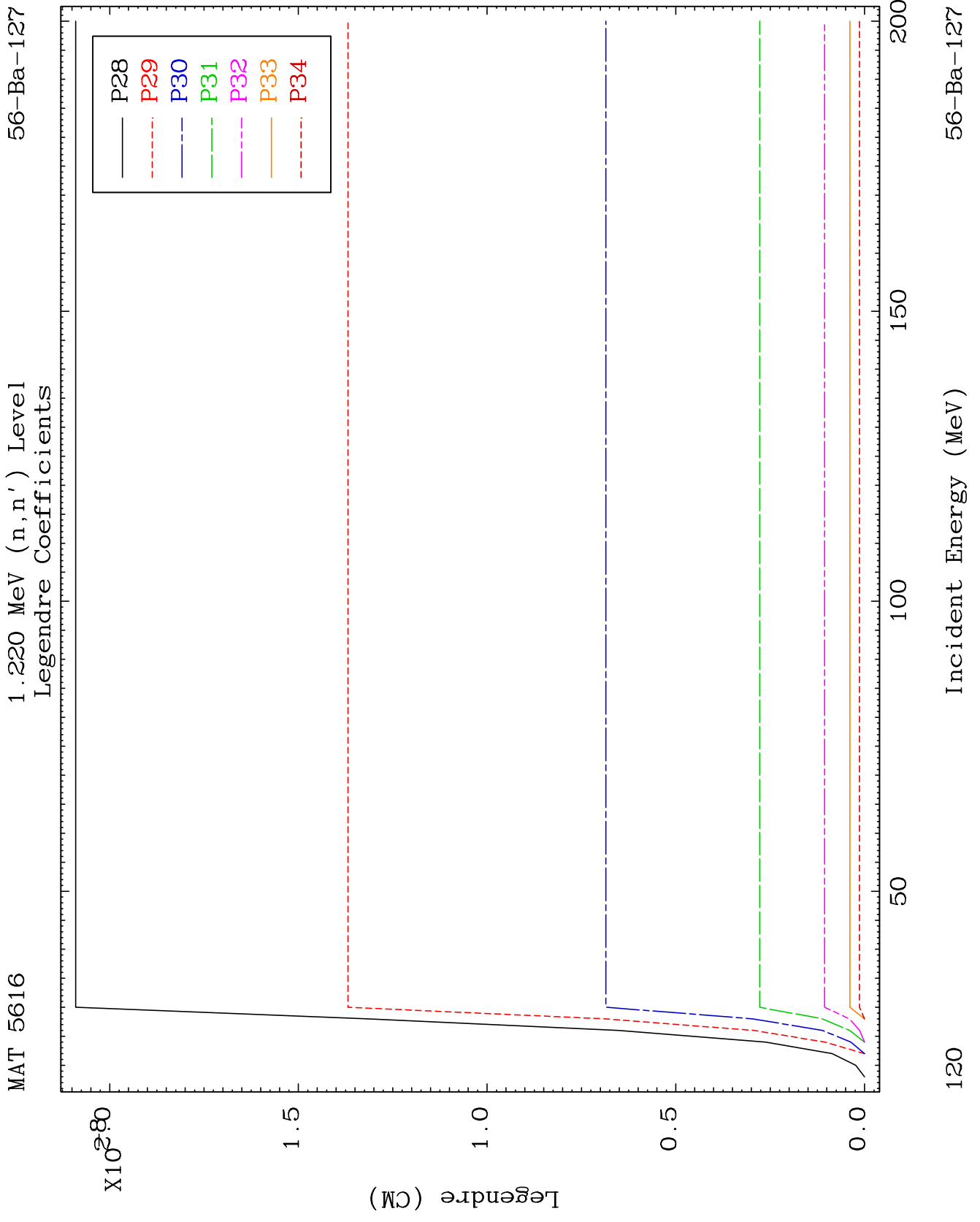
Incident Energy (MeV)

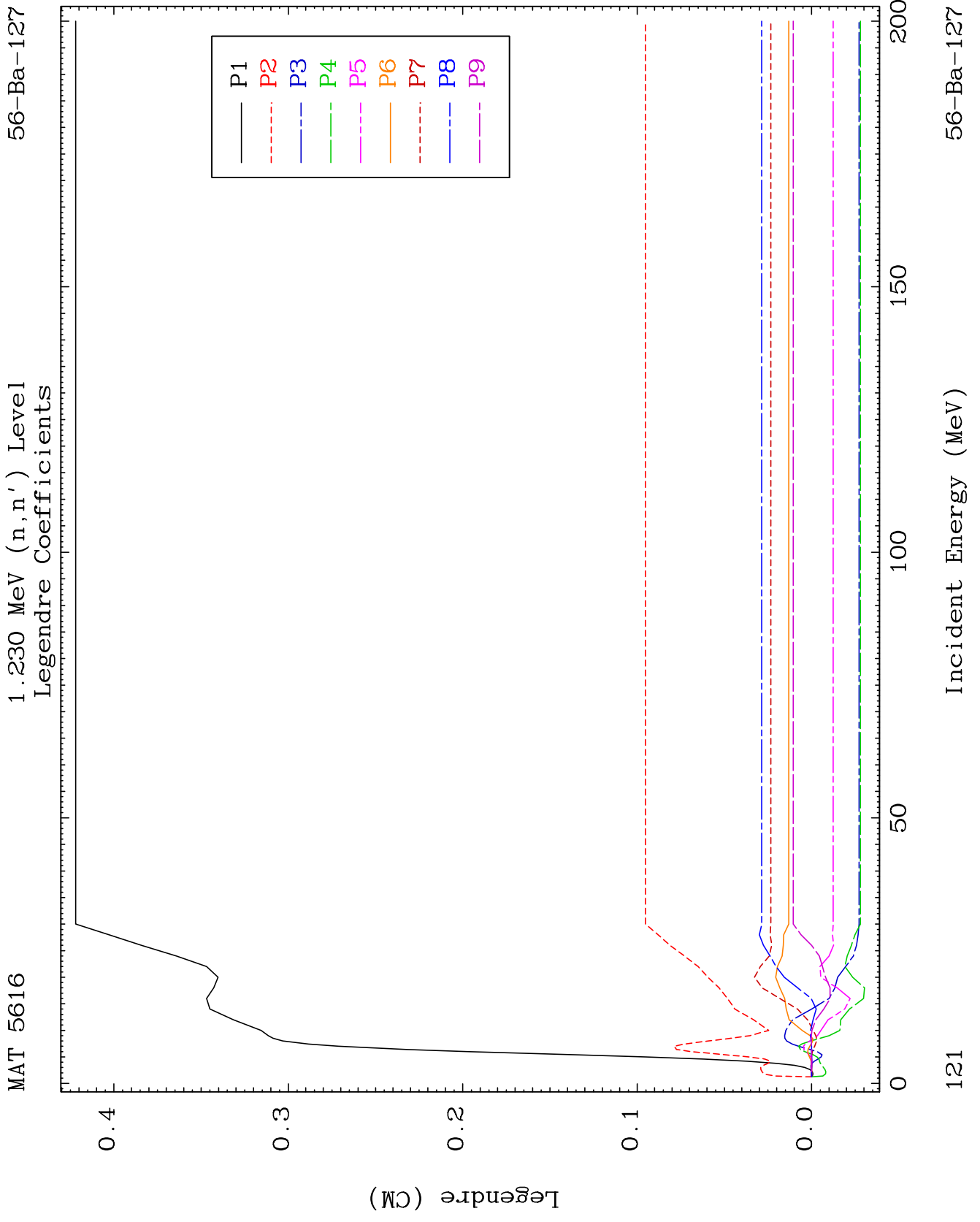
112

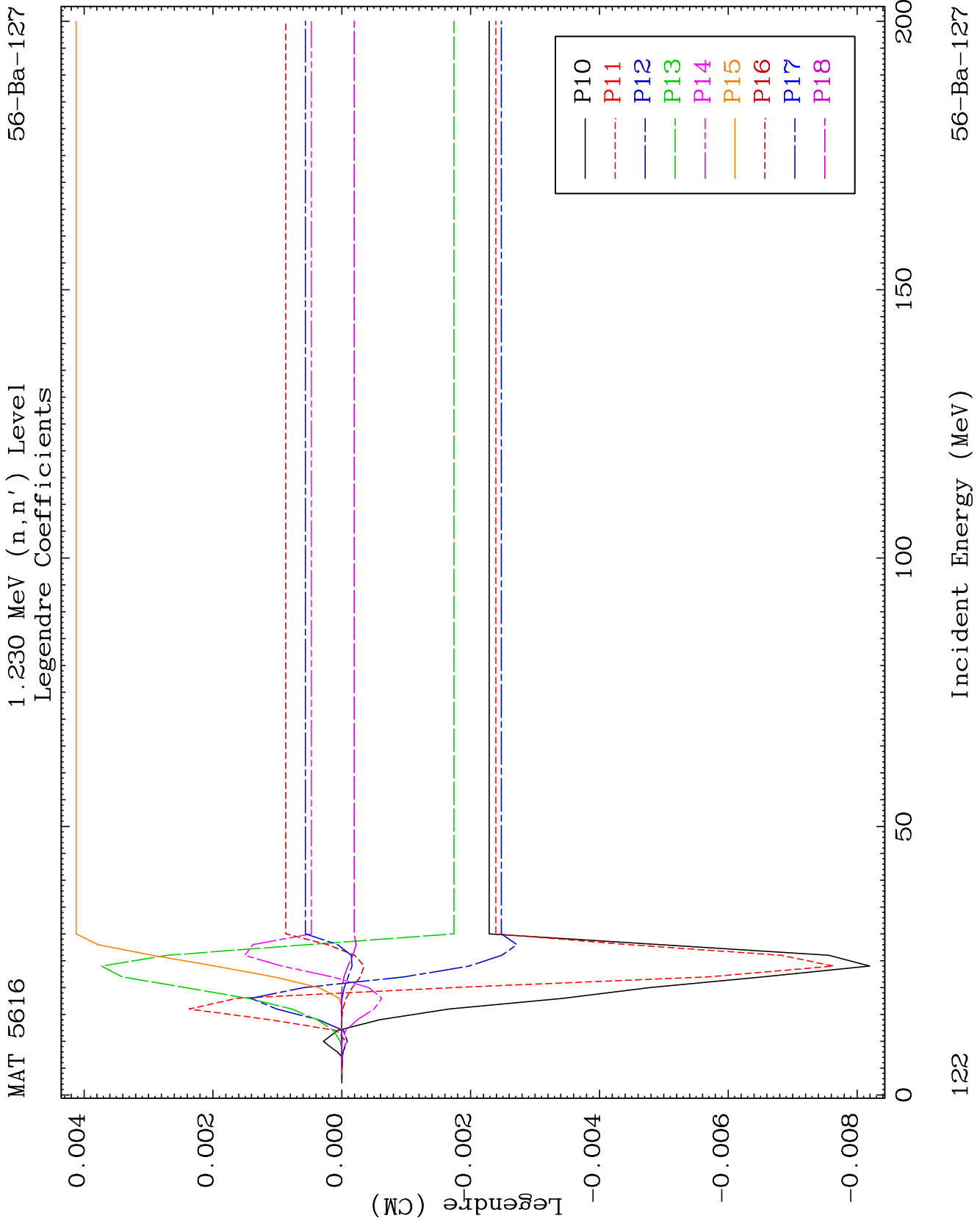


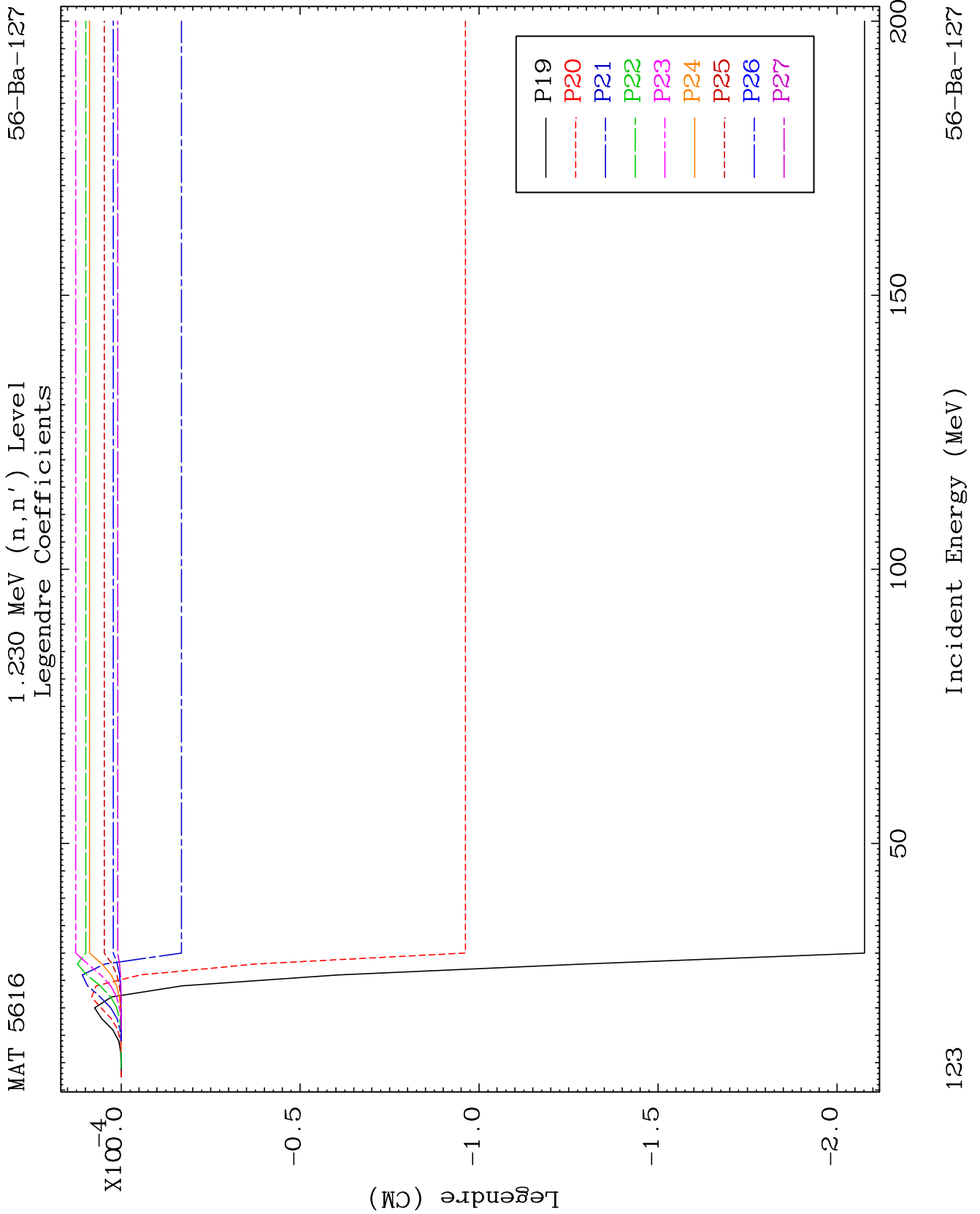


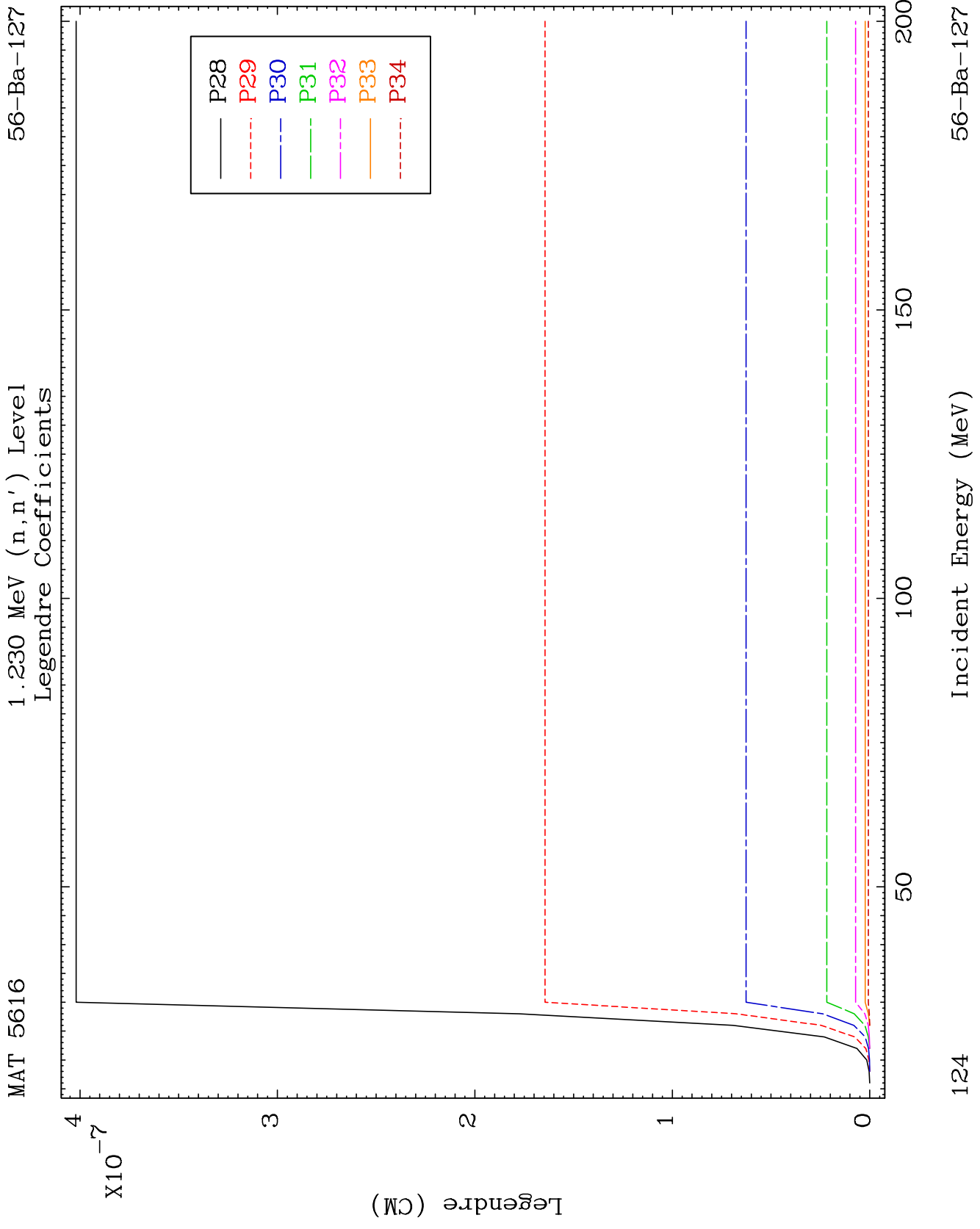


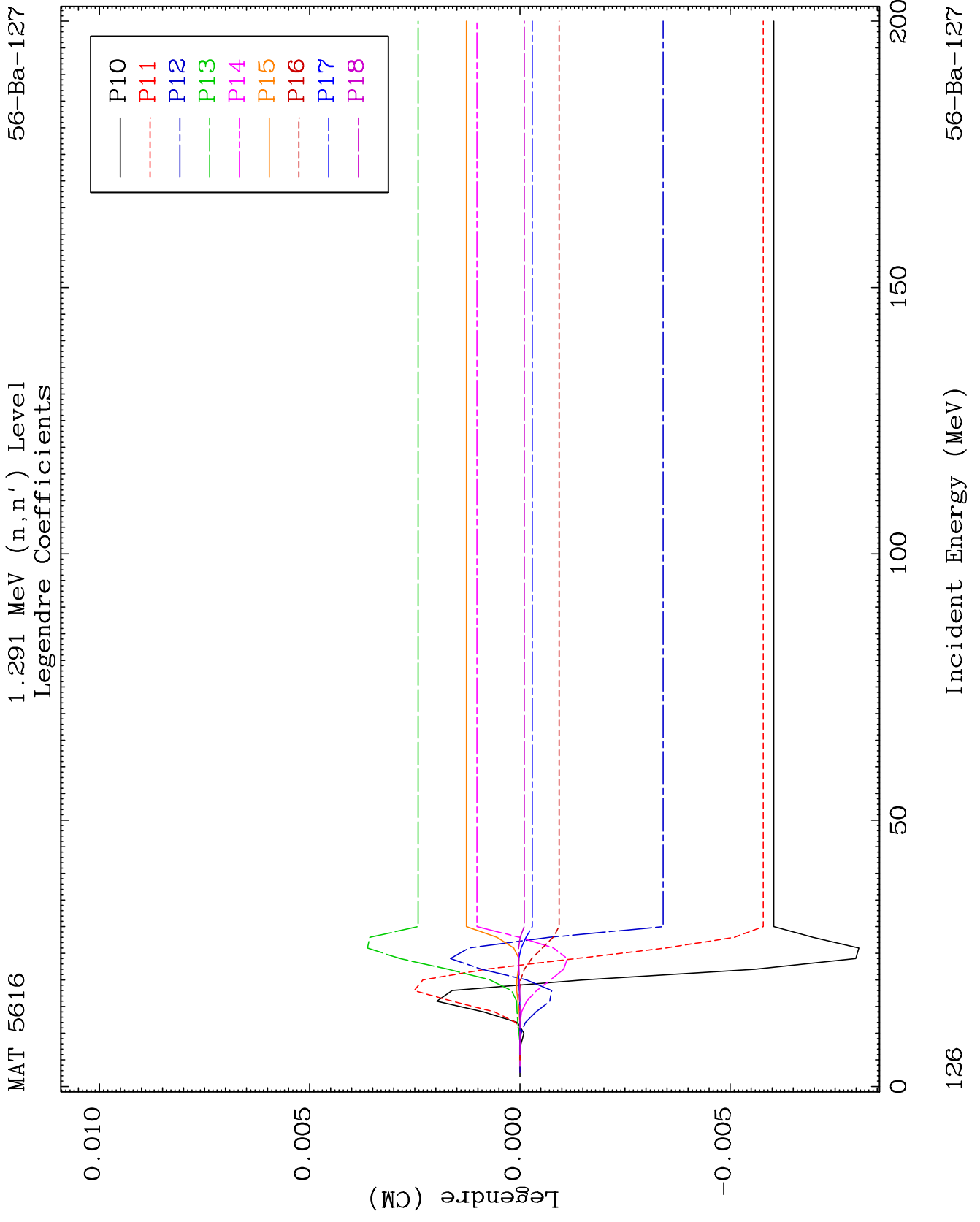


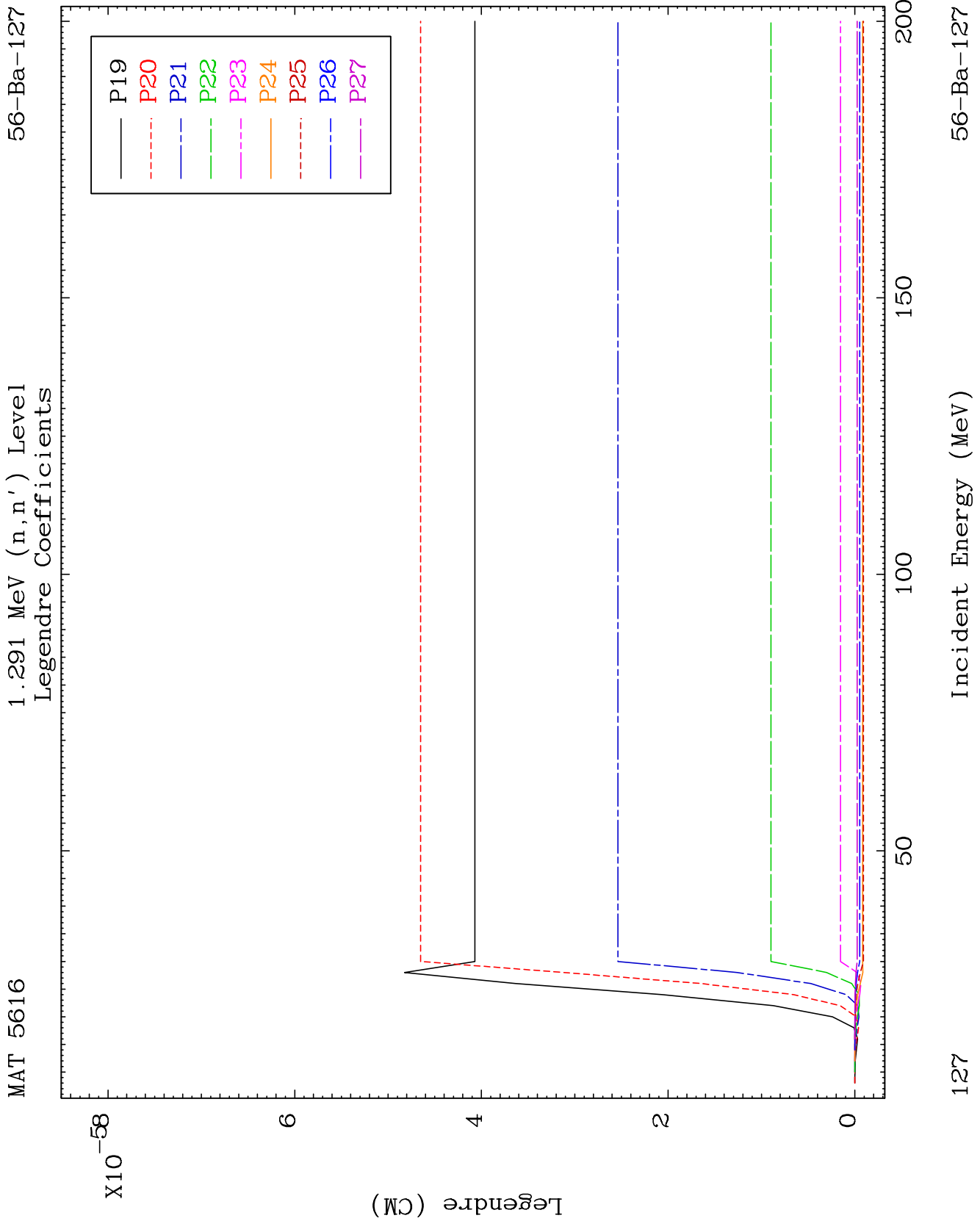


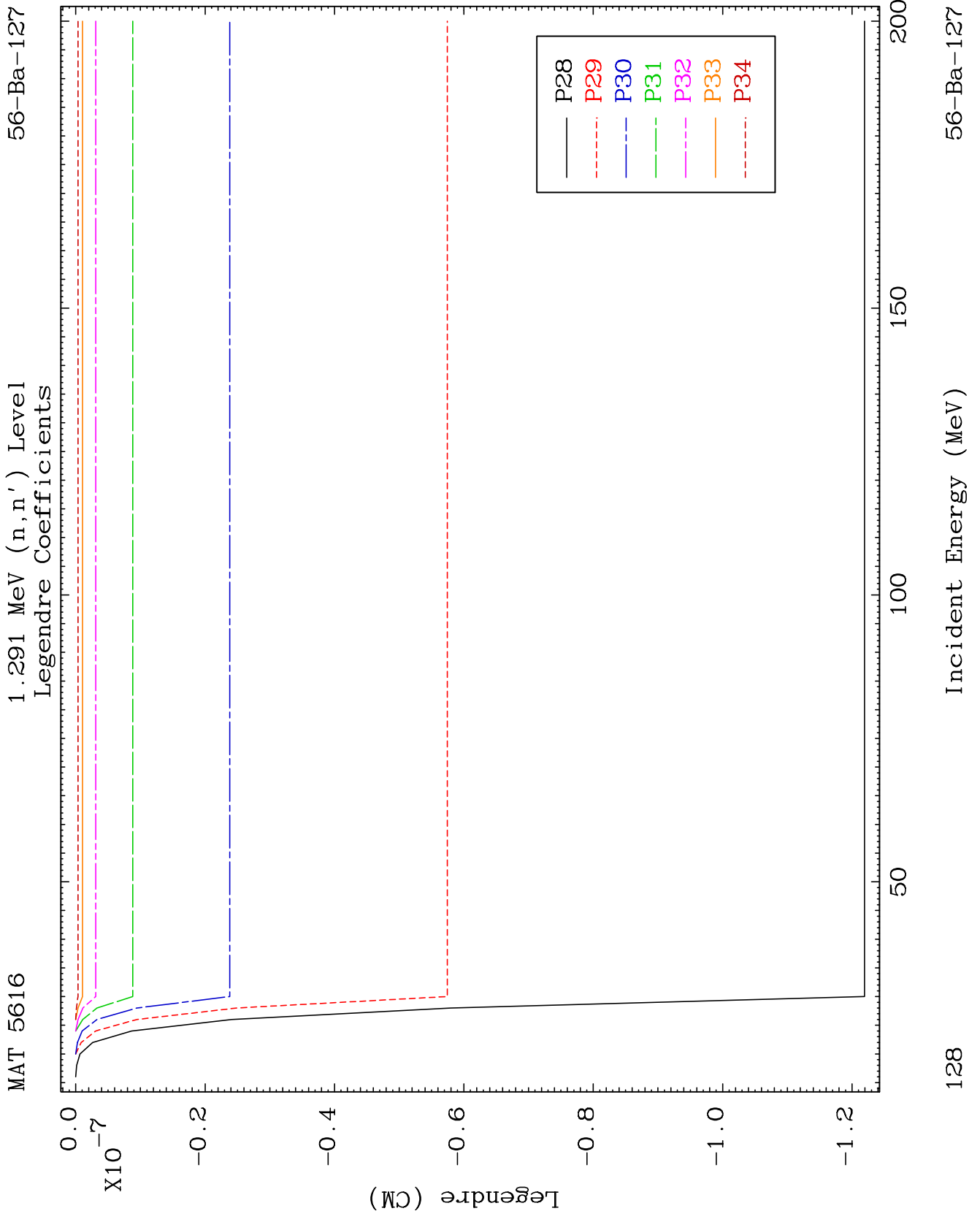


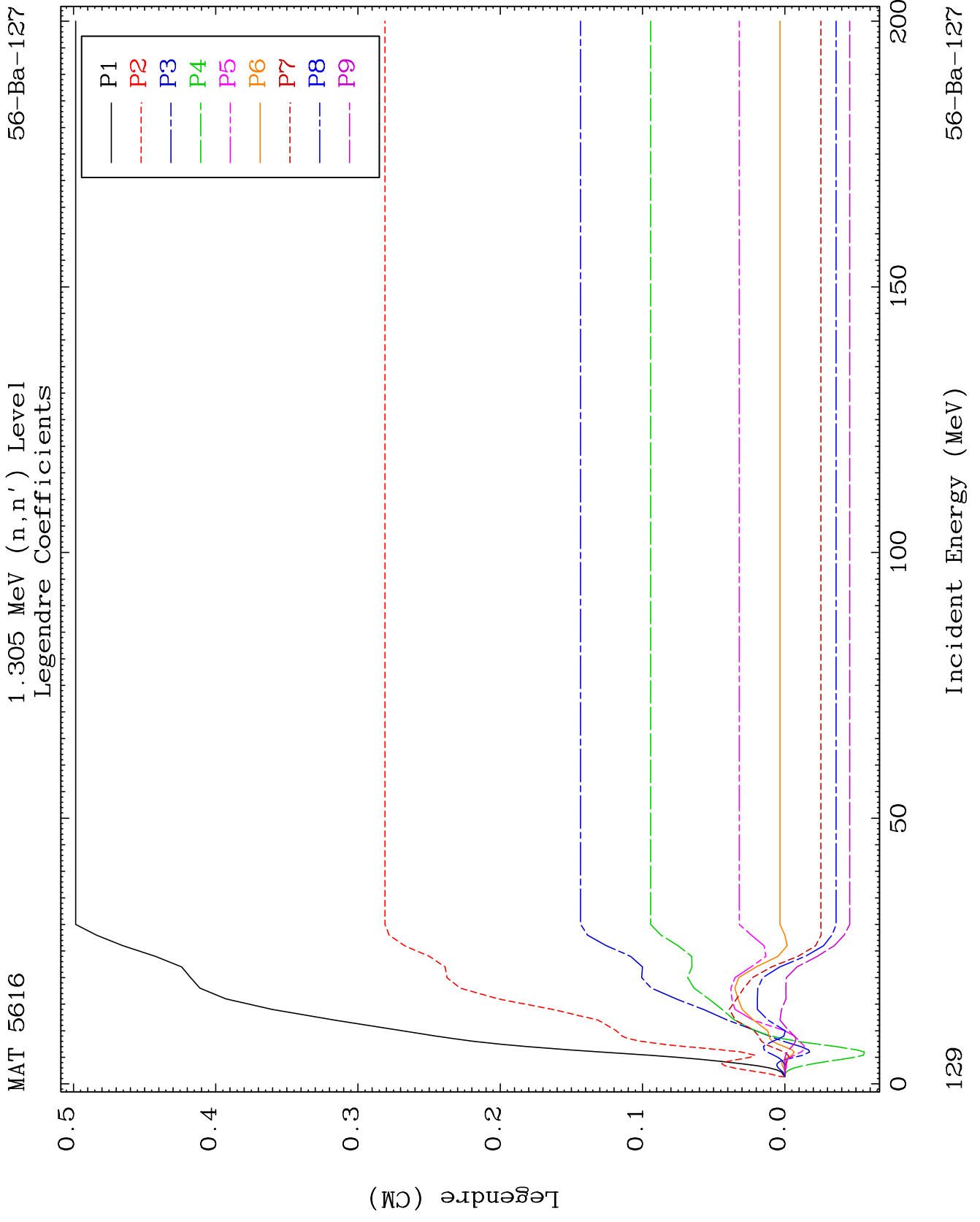


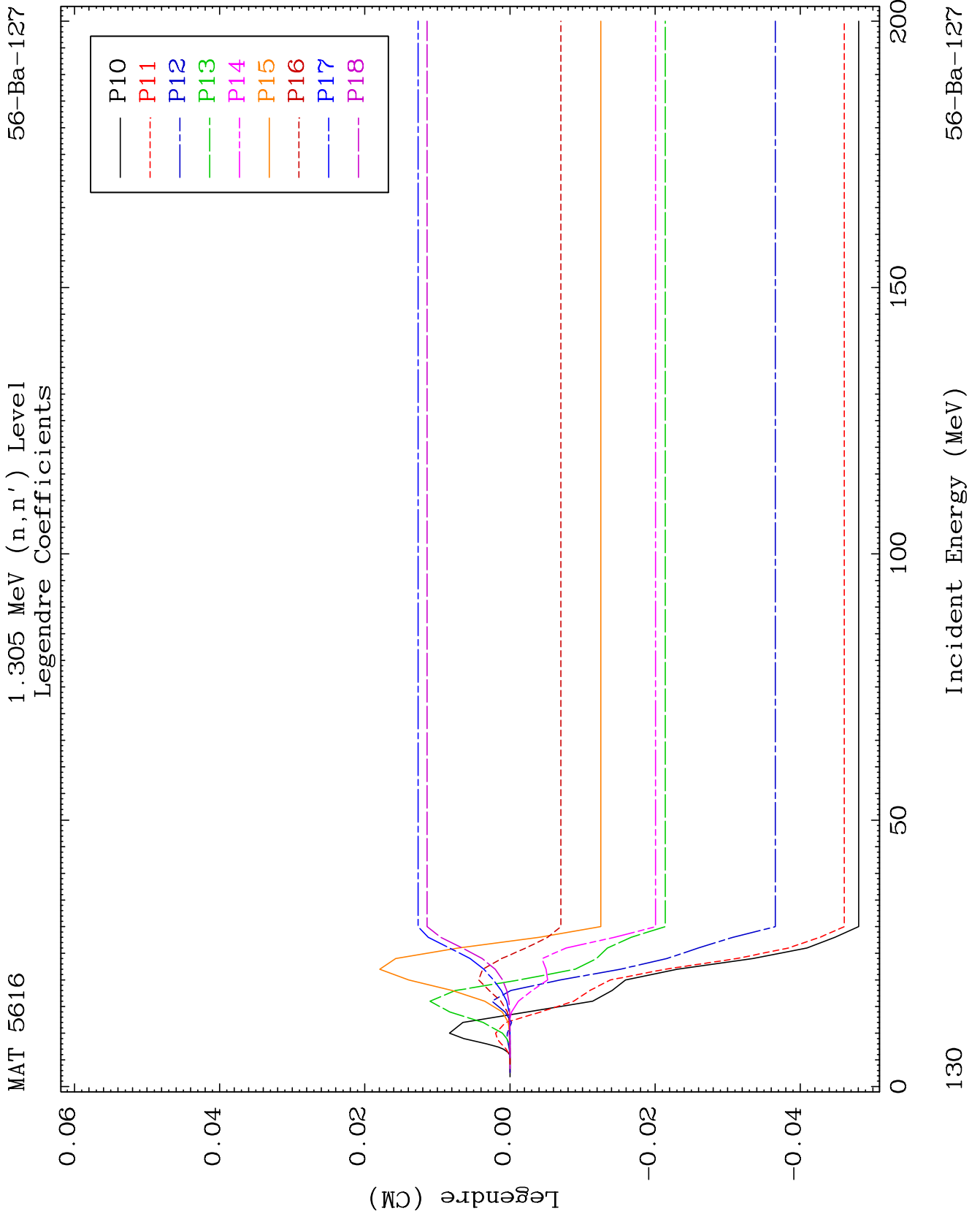


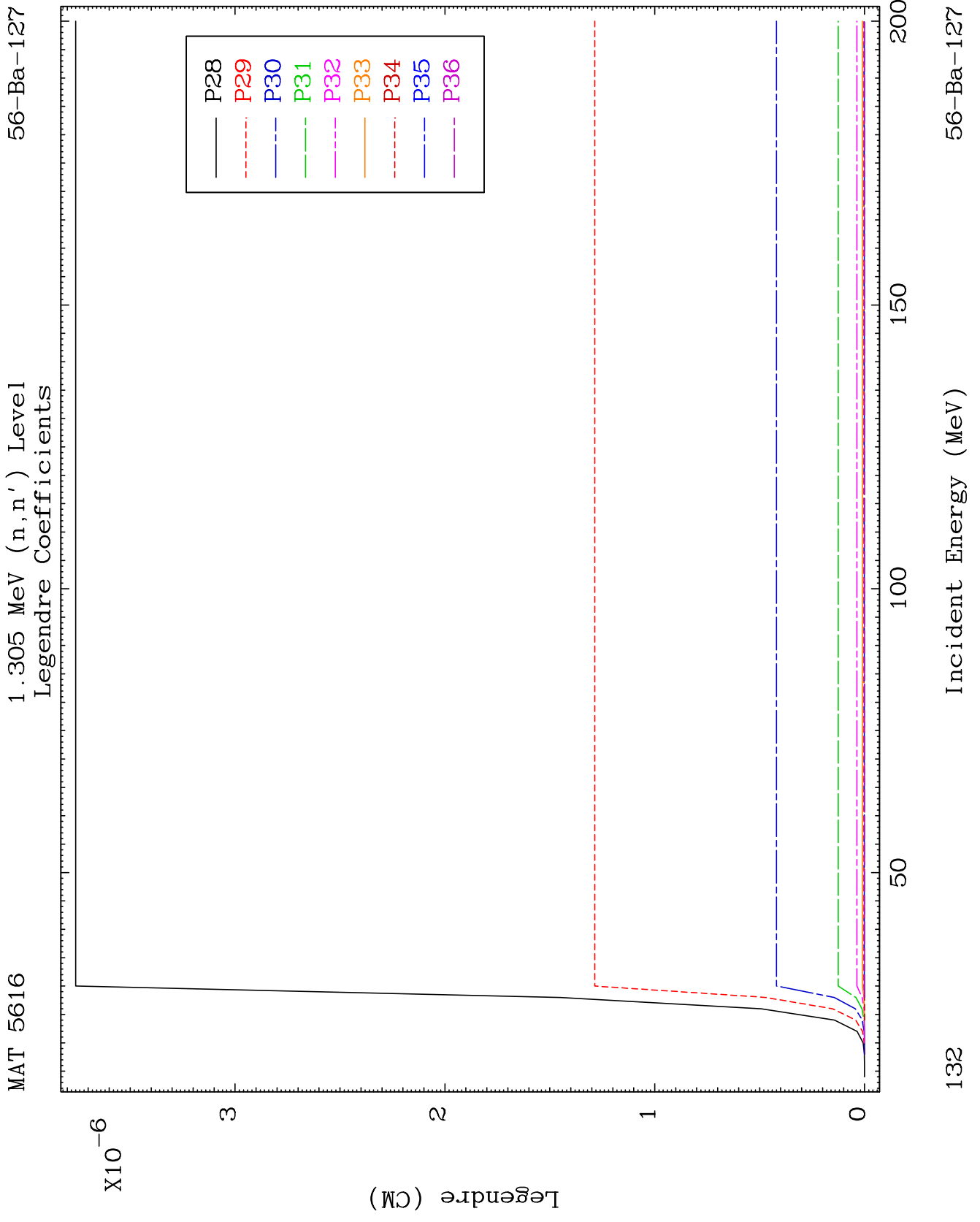


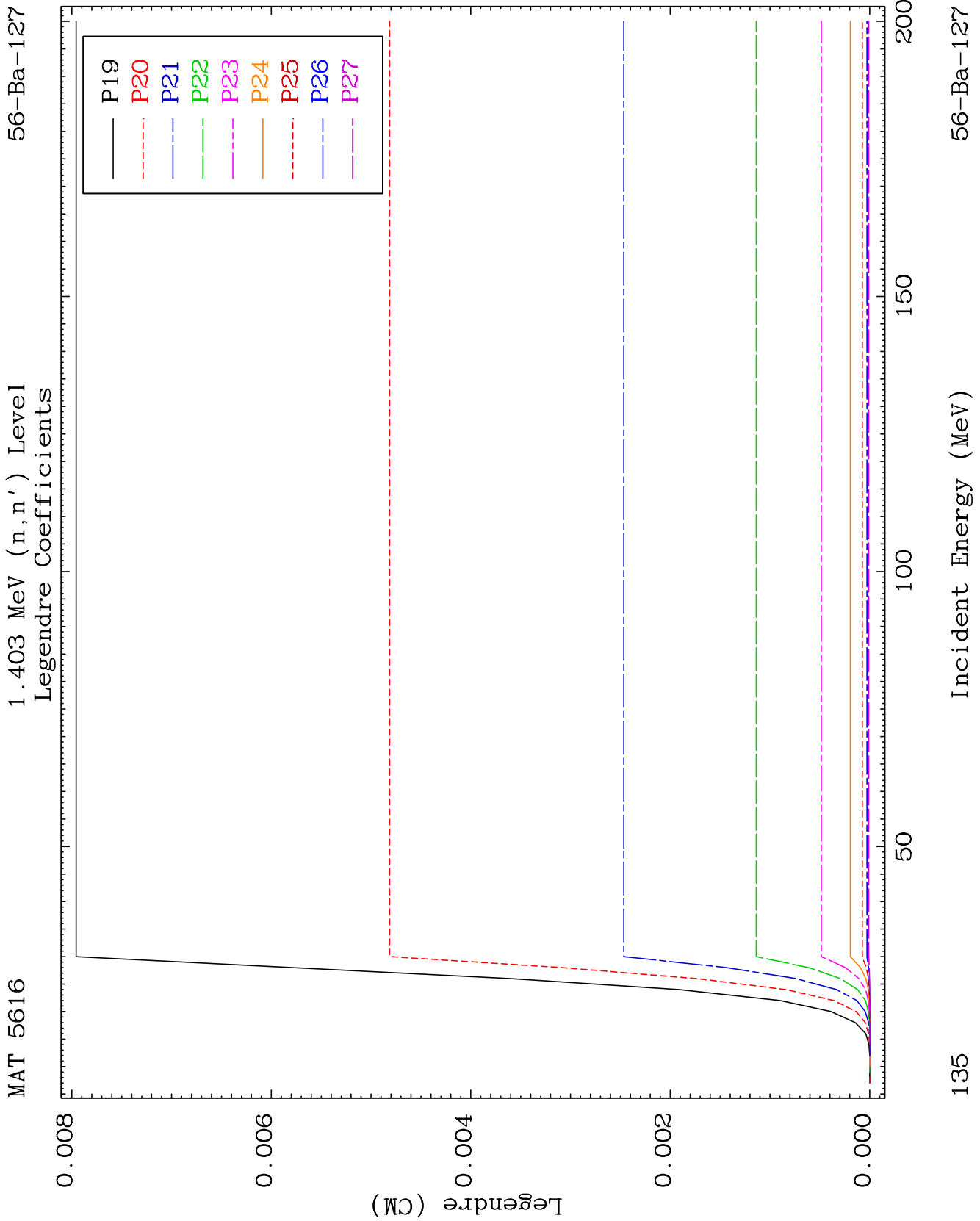


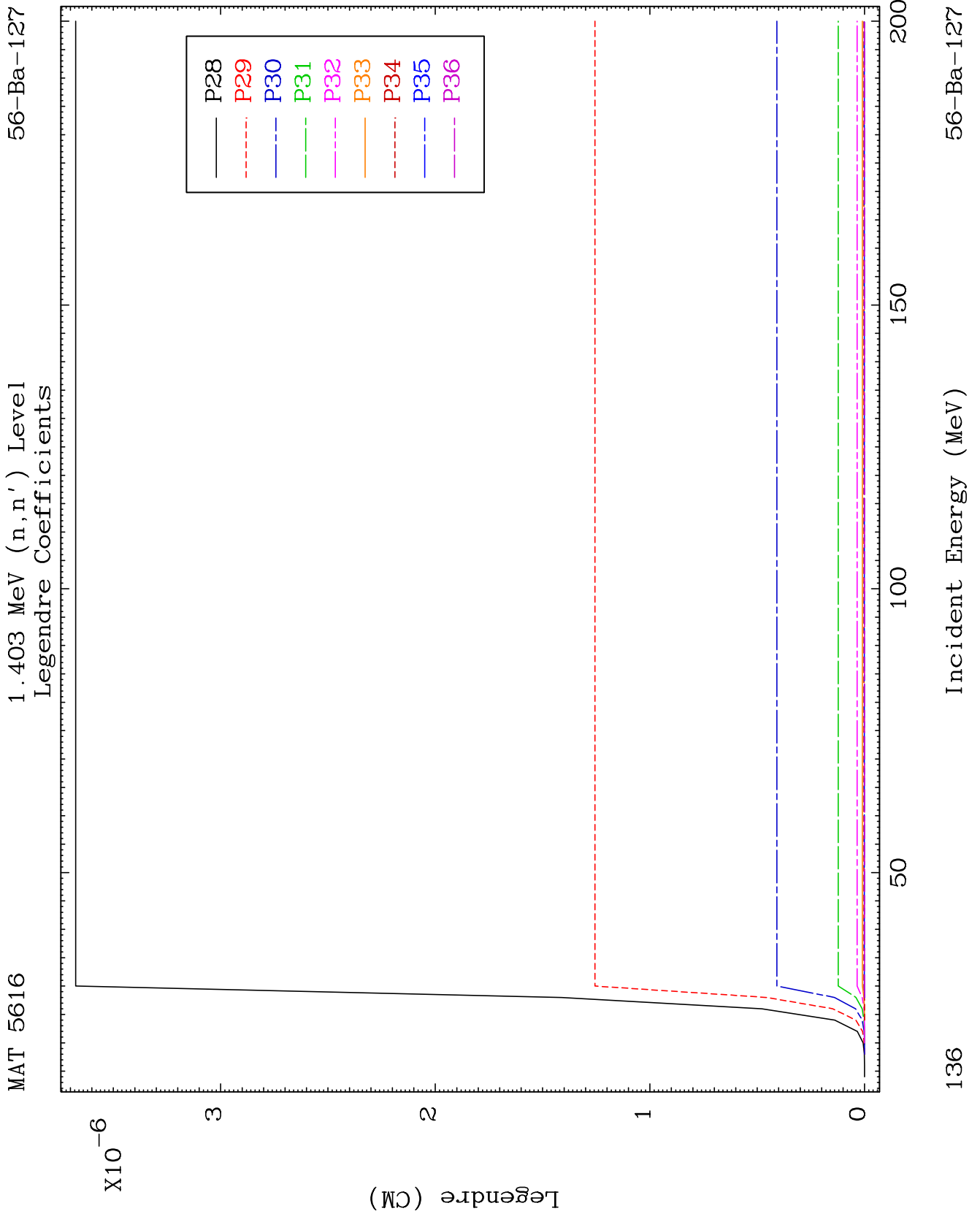








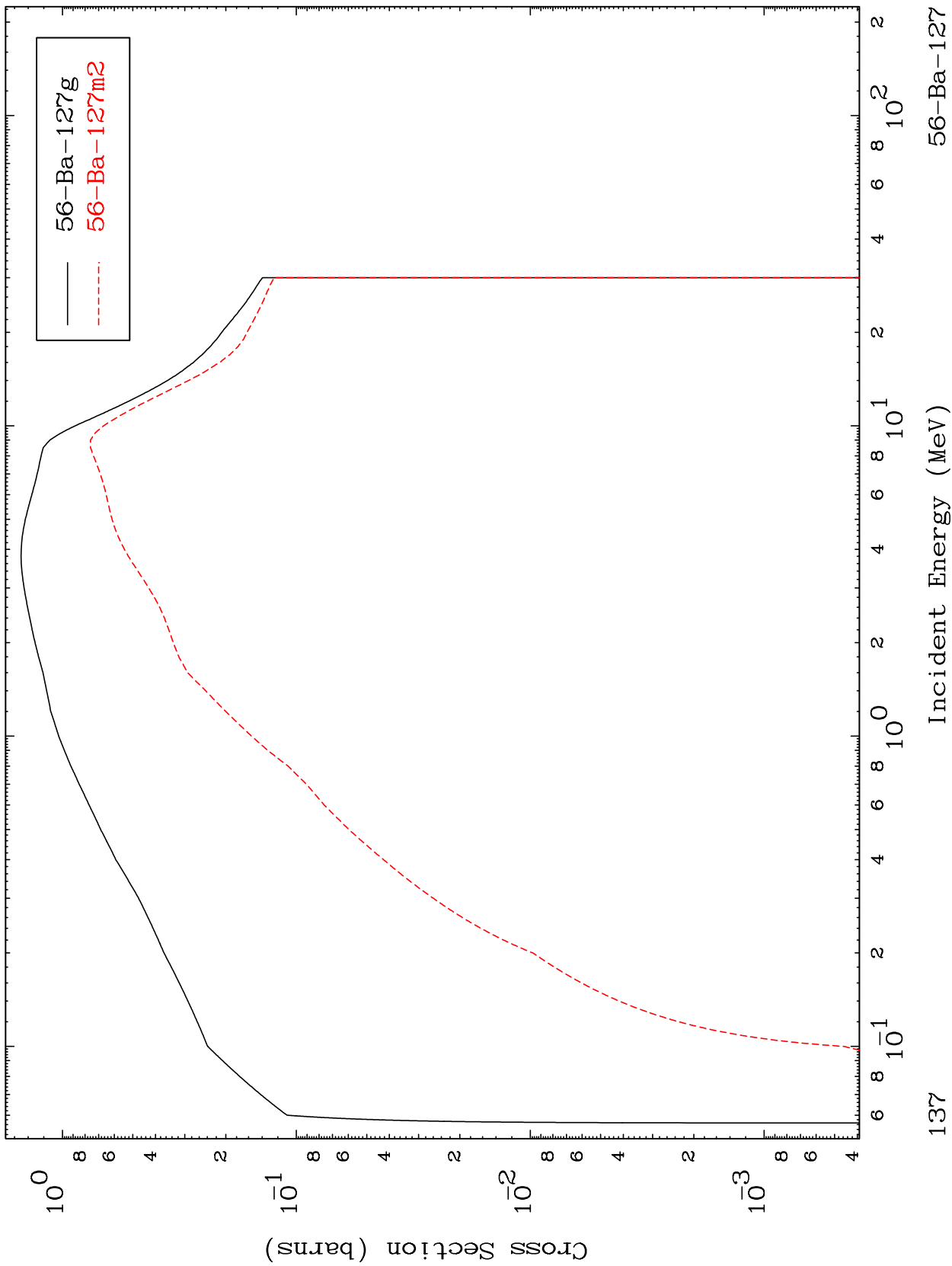




MAT 5616

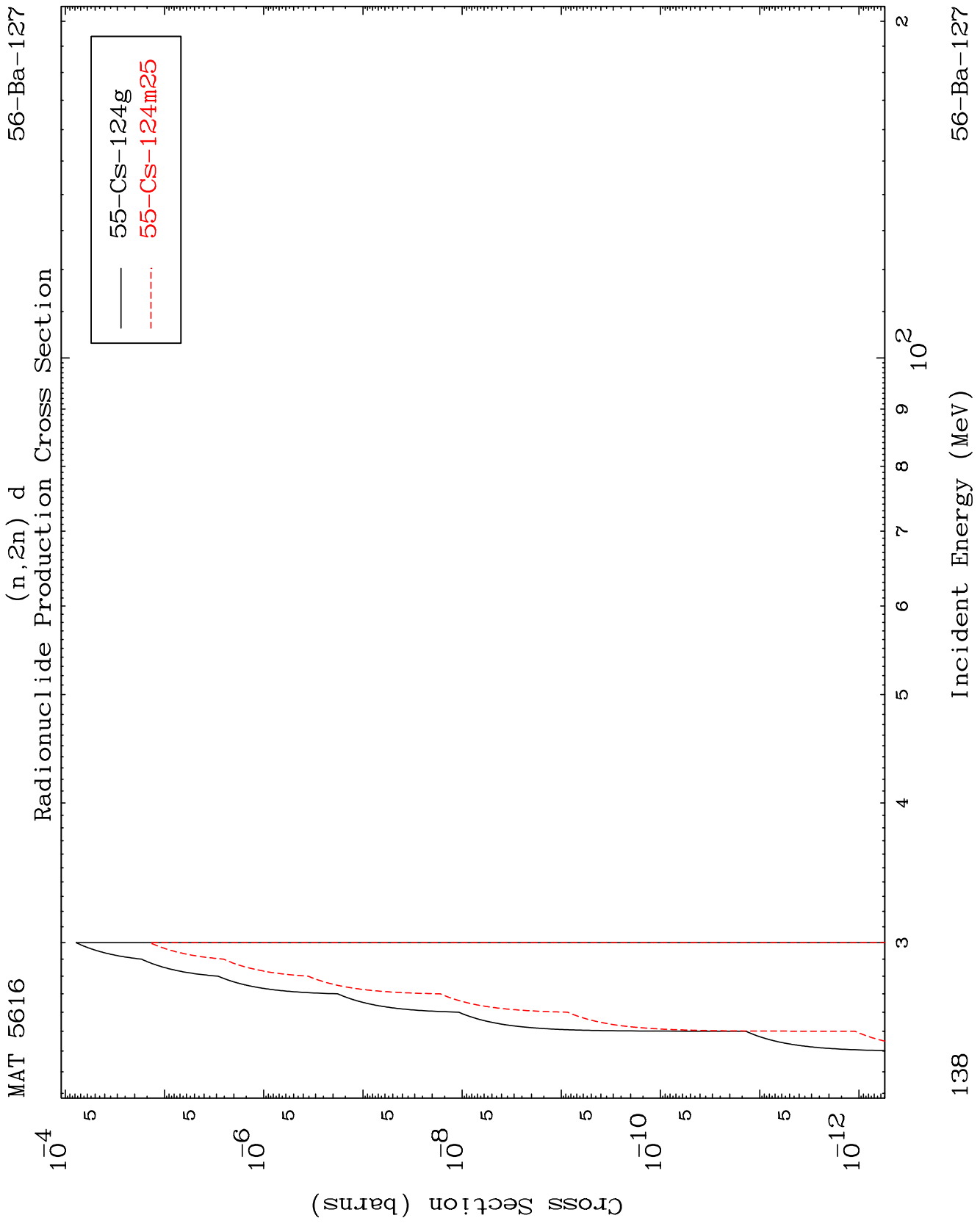
56-Ba-127

Inelastic
Radionuclide Production Cross Section



137

56-Ba-127

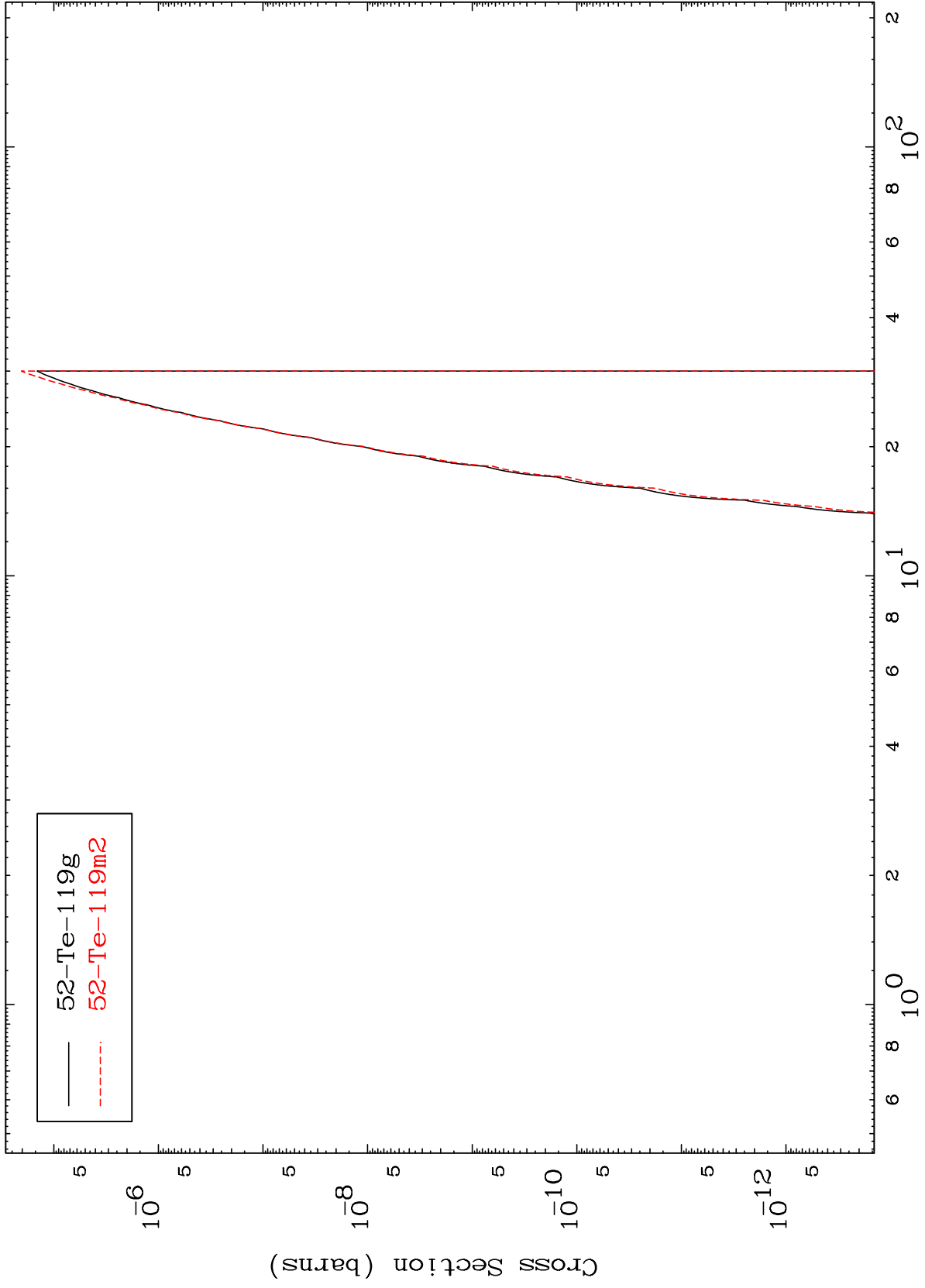


MAT 5616

(n,n') 2α

56-Ba-127

Radionuclide Production Cross Section



52-Te-119g
52-Te-119m2

139

Incident Energy (MeV)

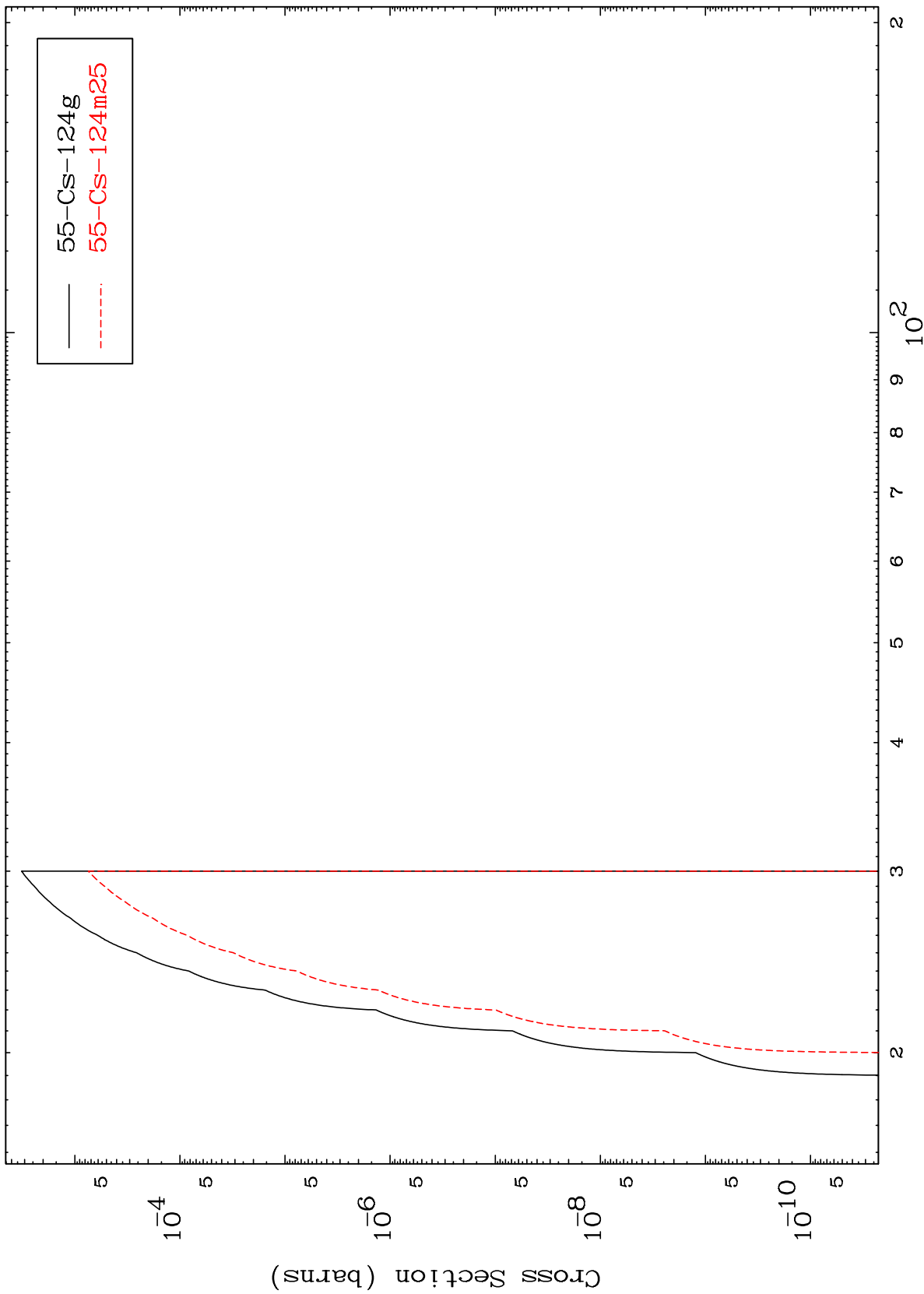
56-Ba-127

MAT 5616

(n,n') t

56-Ba-127

Radionuclide Production Cross Section



140

Incident Energy (MeV)

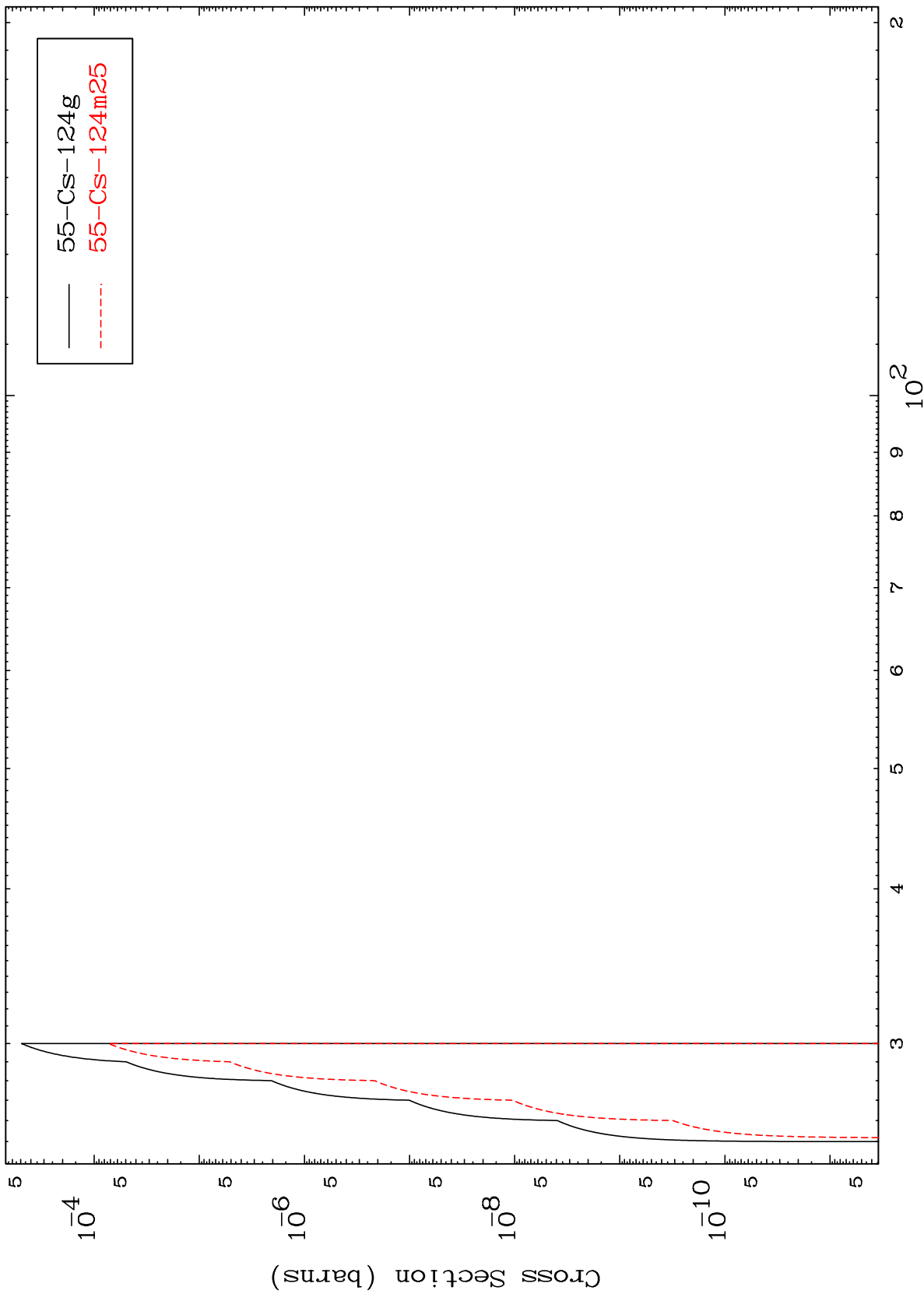
56-Ba-127

MAT 5616

(n,3n) p

56-Ba-127

Radionuclide Production Cross Section



141

Incident Energy (MeV)

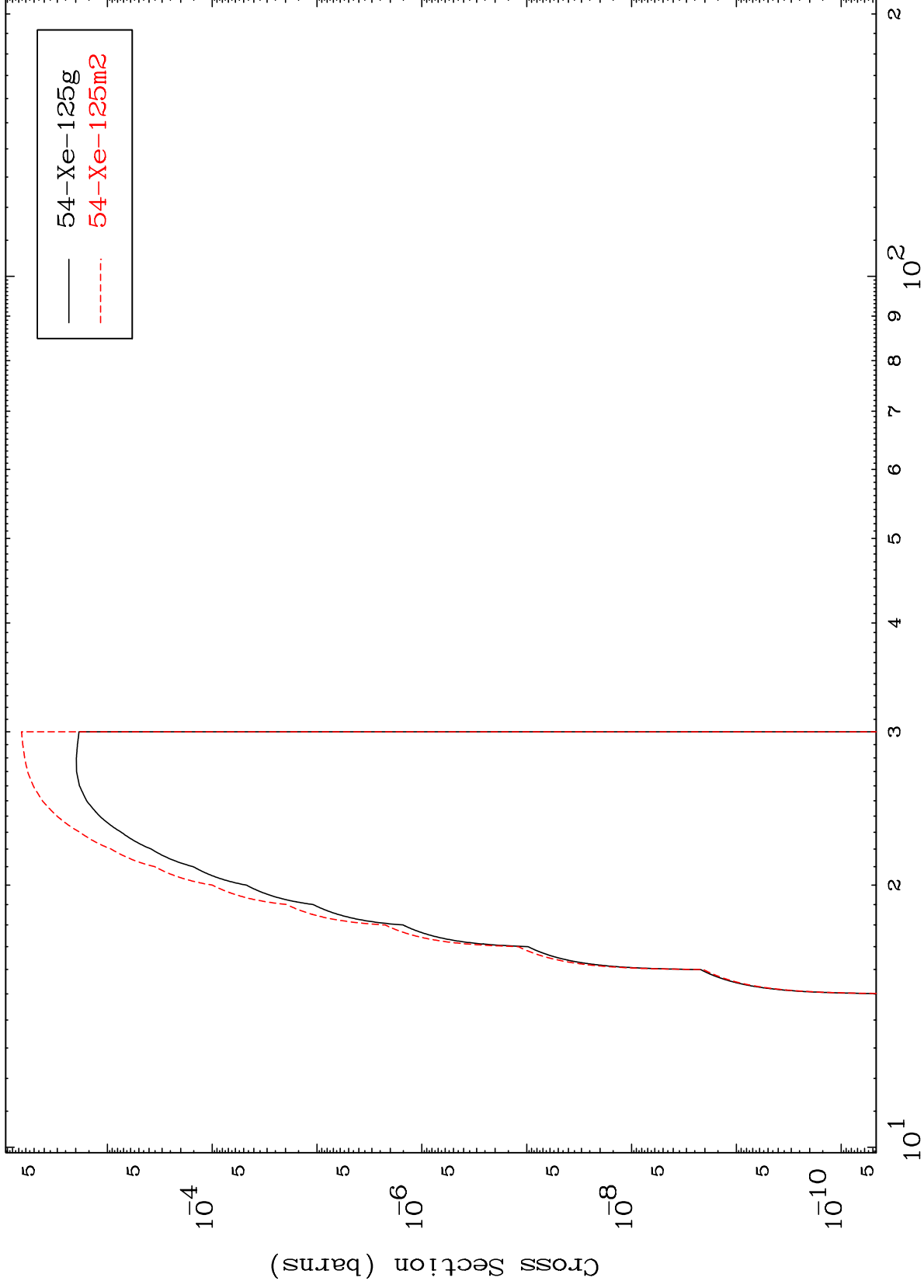
56-Ba-127

MAT 5616

(n,2n) p

56-Ba-127

Radionuclide Production Cross Section



142

Incident Energy (MeV)

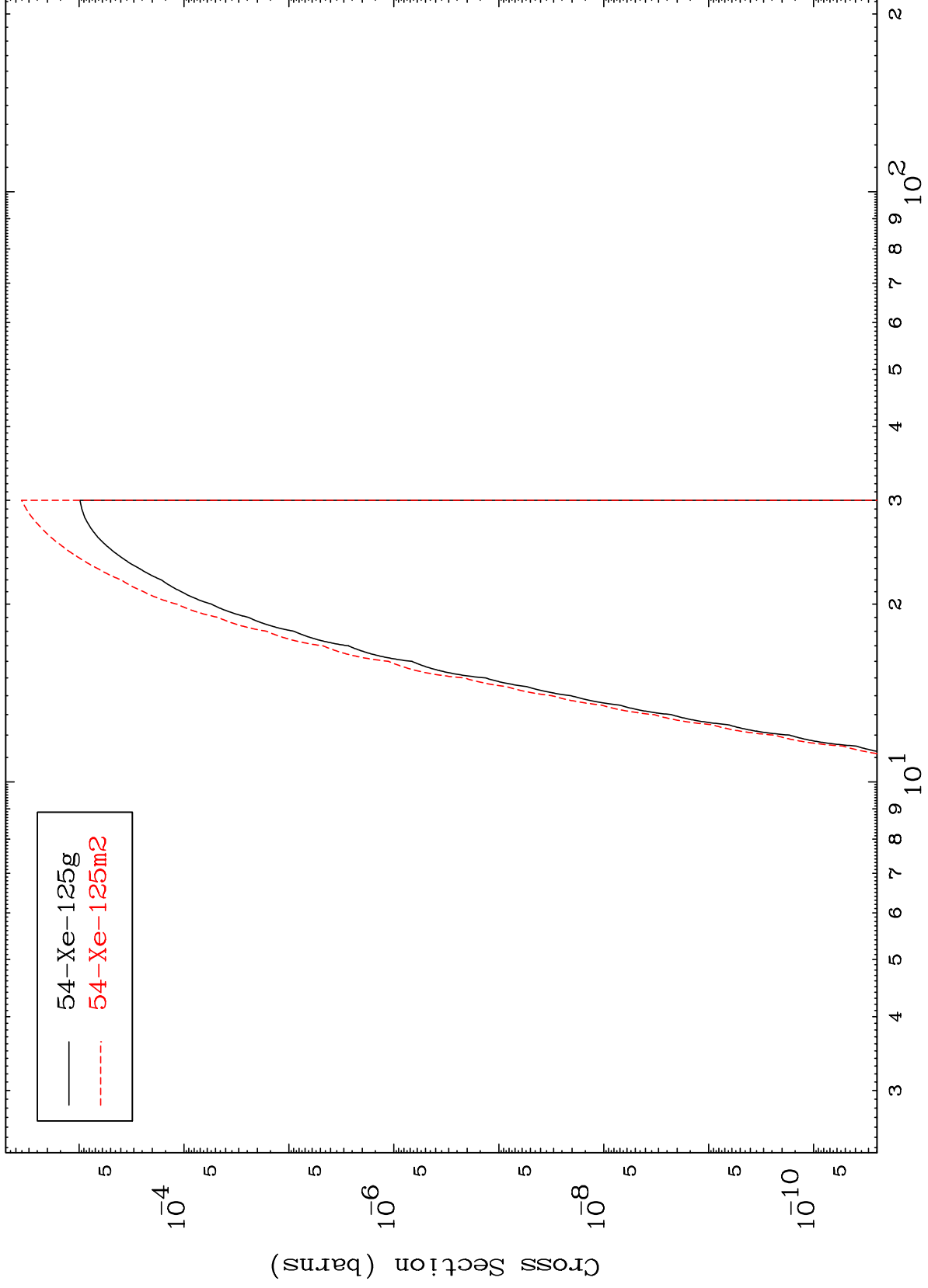
56-Ba-127

MAT 5616

(n,He-3)

56-Ba-127

Radionuclide Production Cross Section



143

Incident Energy (MeV)

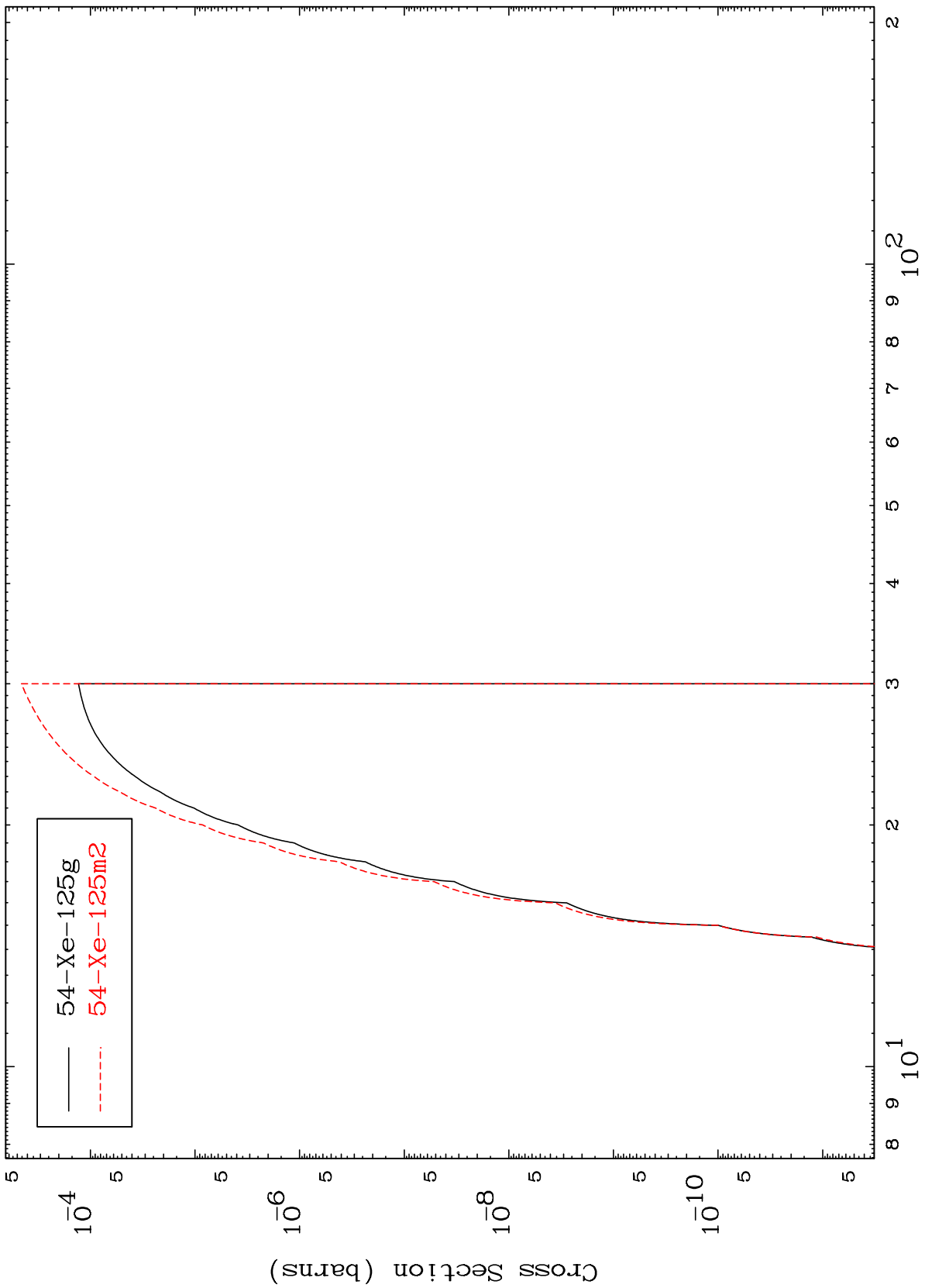
56-Ba-127

MAT 5616

(n,p) d

56-Ba-127

Radionuclide Production Cross Section



54-Xe-125g
54-Xe-125m2

Incident Energy (MeV)

56-Ba-127

144