

Program EVALPLOT
(Version 2015-2)

by

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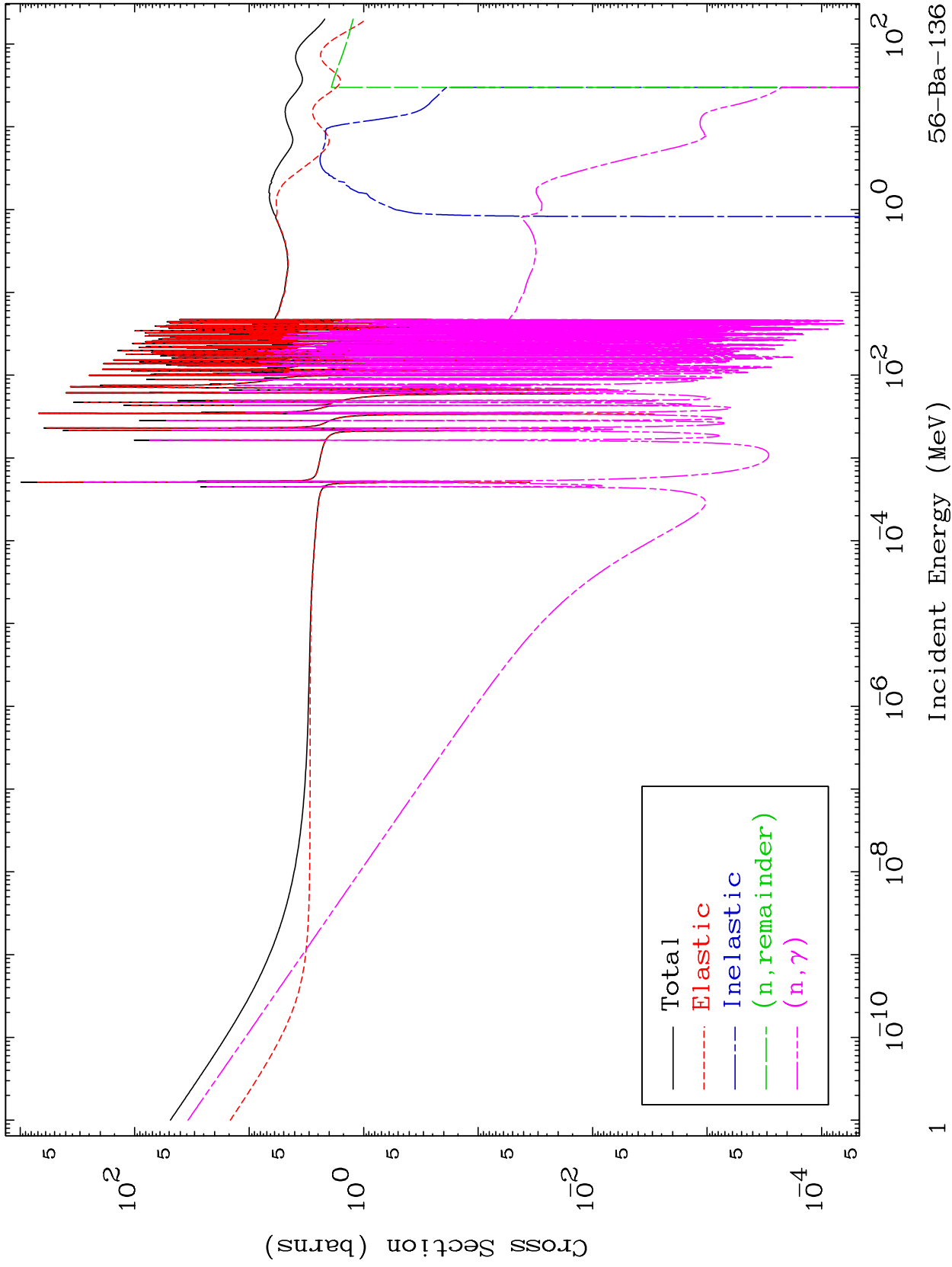
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5643

Major
293 Kelvin Cross Sections

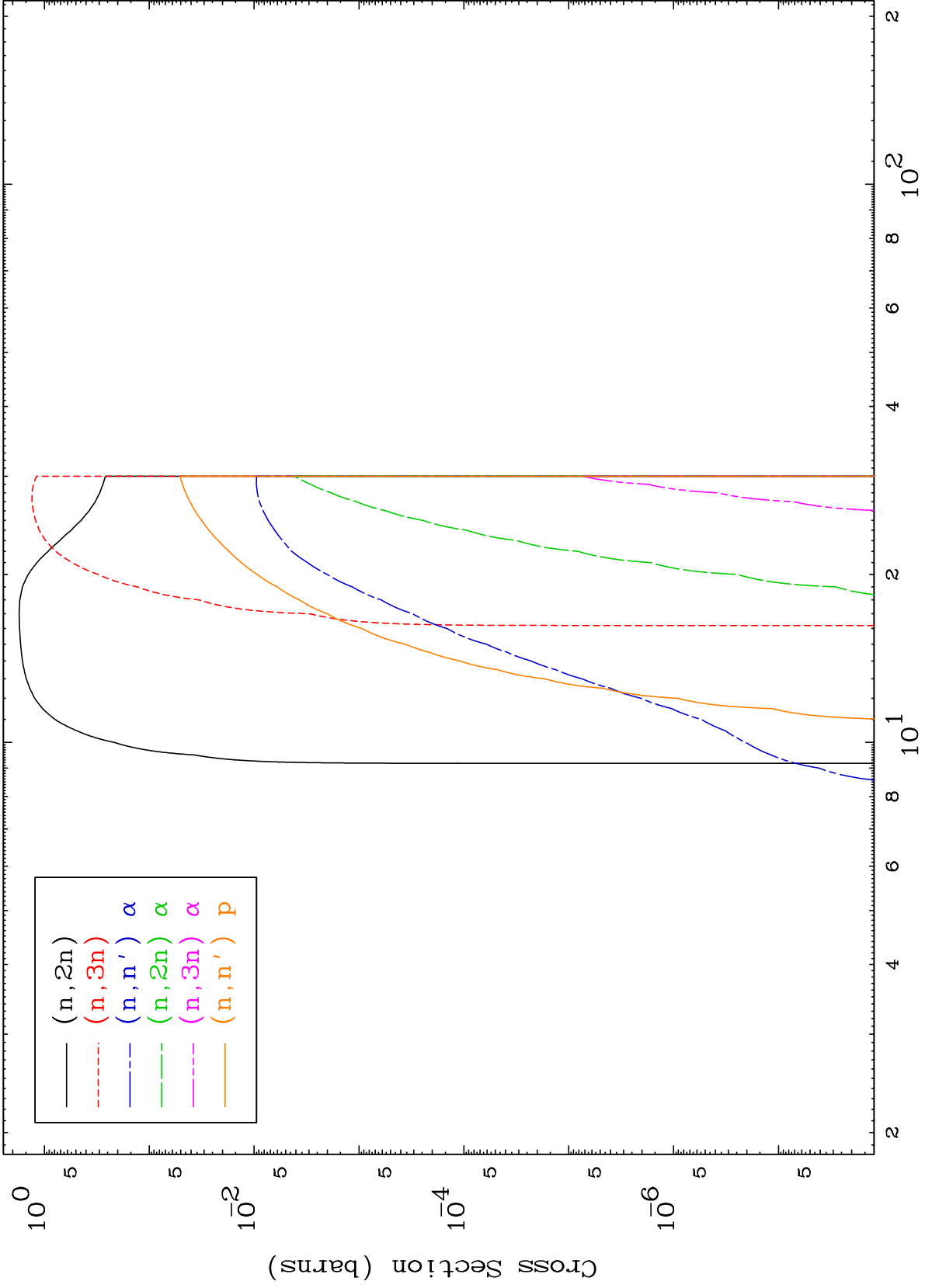
56-Ba-136



MAT 5643

Neutron Production
293 Kelvin Cross Sections

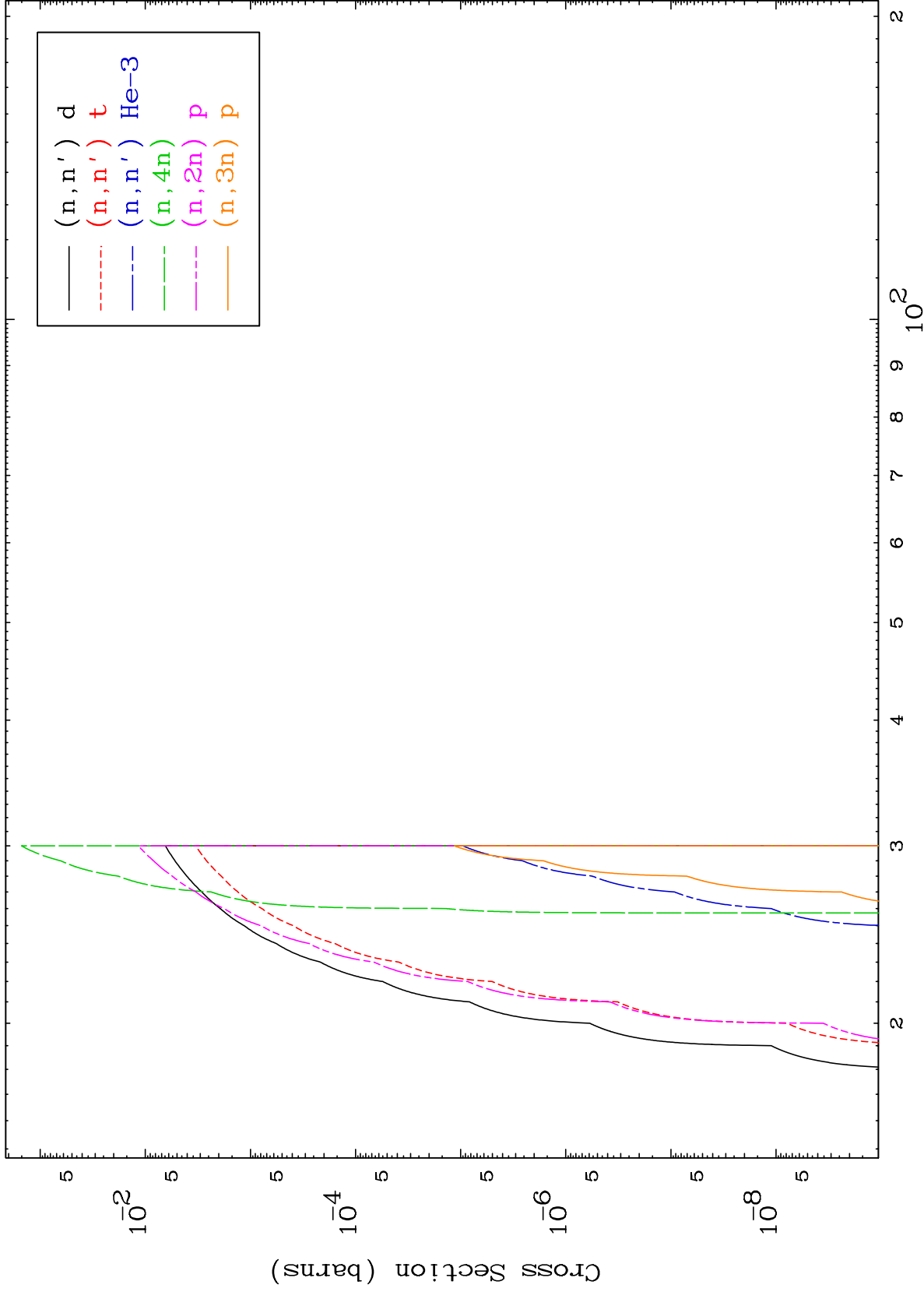
56-Ba-136



56-Ba-136

Incident Energy (MeV)

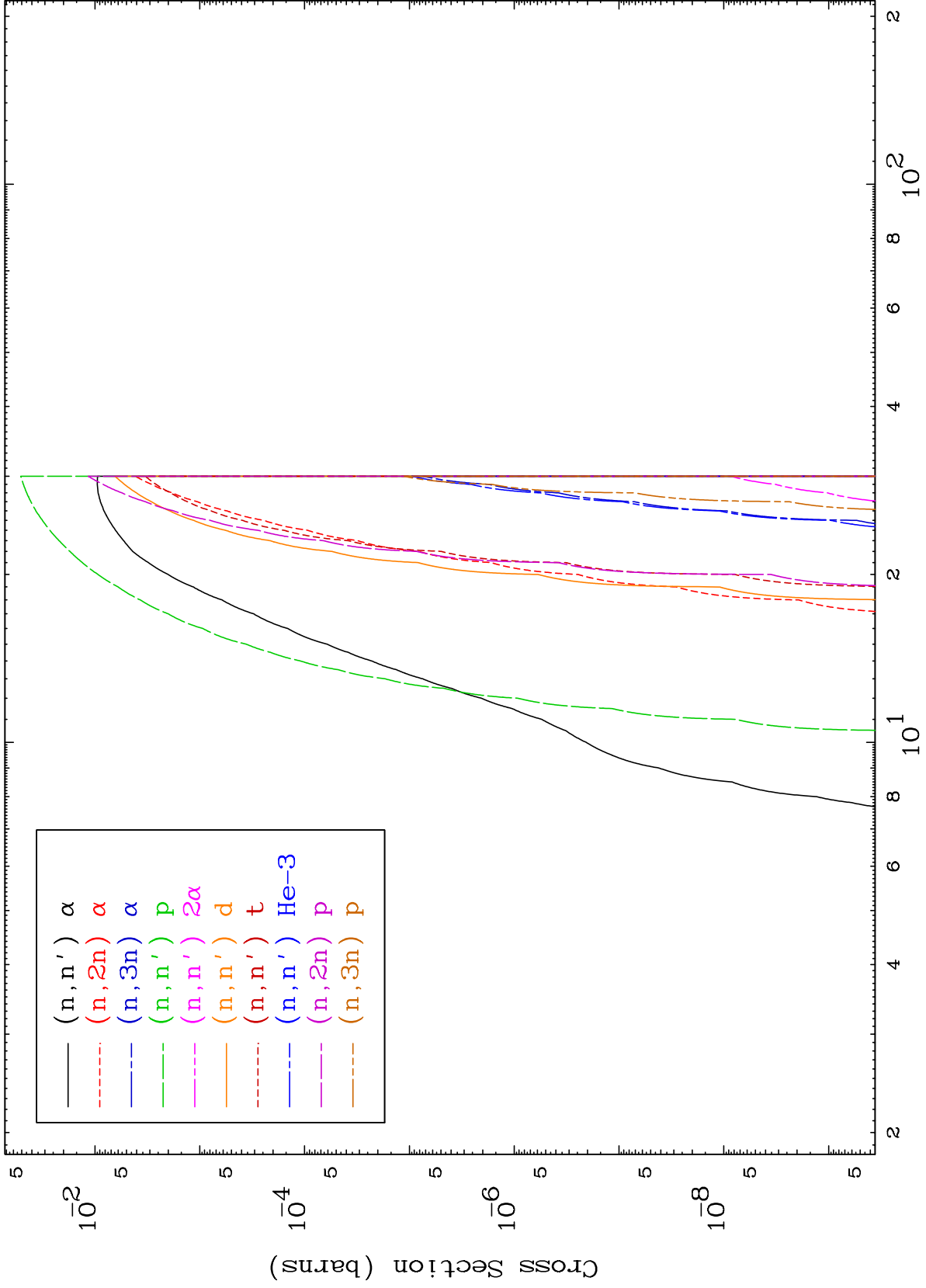
2



MAT 5643

Charged Particle
293 Kelvin Cross Sections

56-Ba-136



4

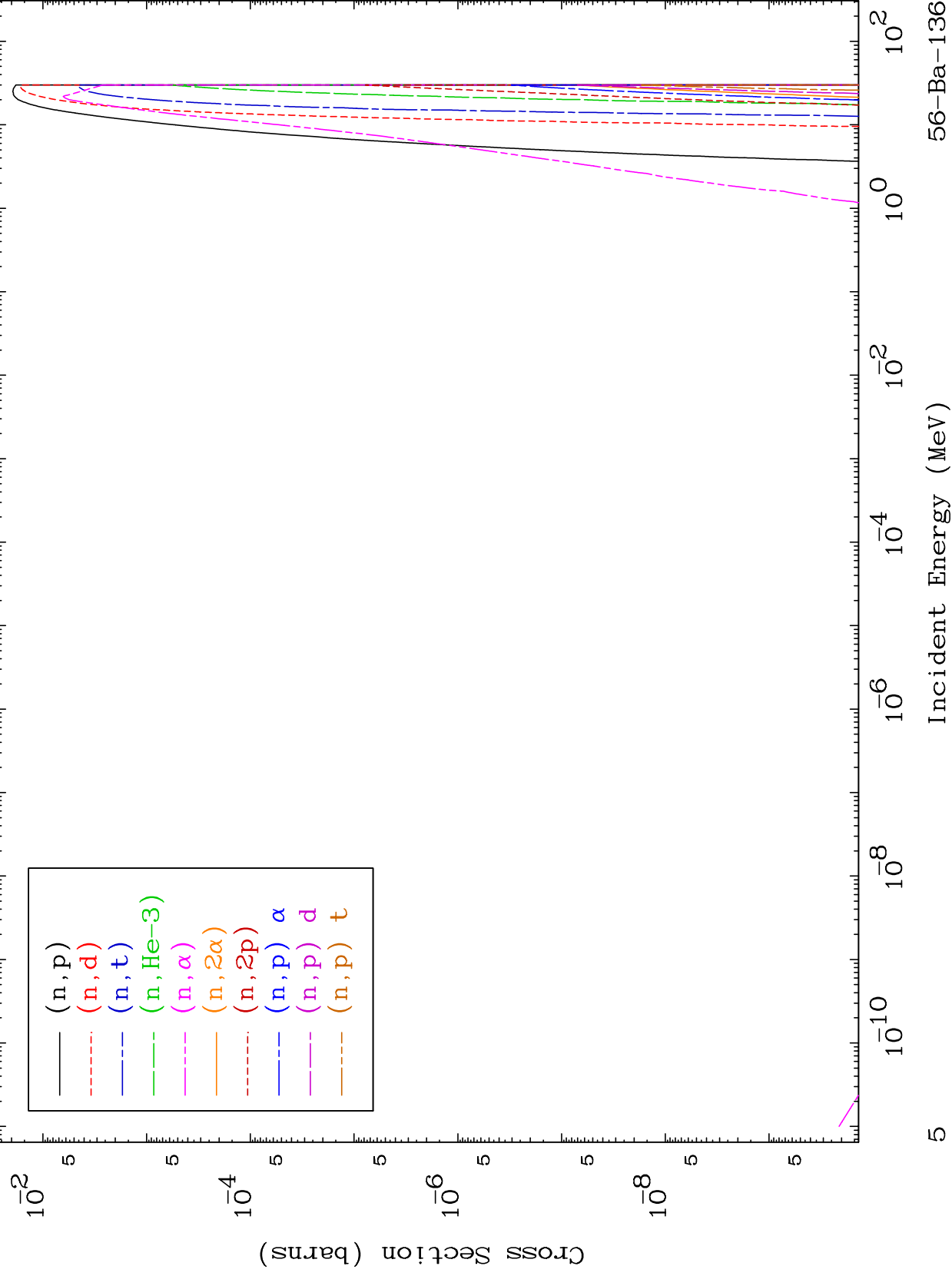
Incident Energy (MeV)

56-Ba-136

MAT 5643

Charged Particle
293 Kelvin Cross Sections

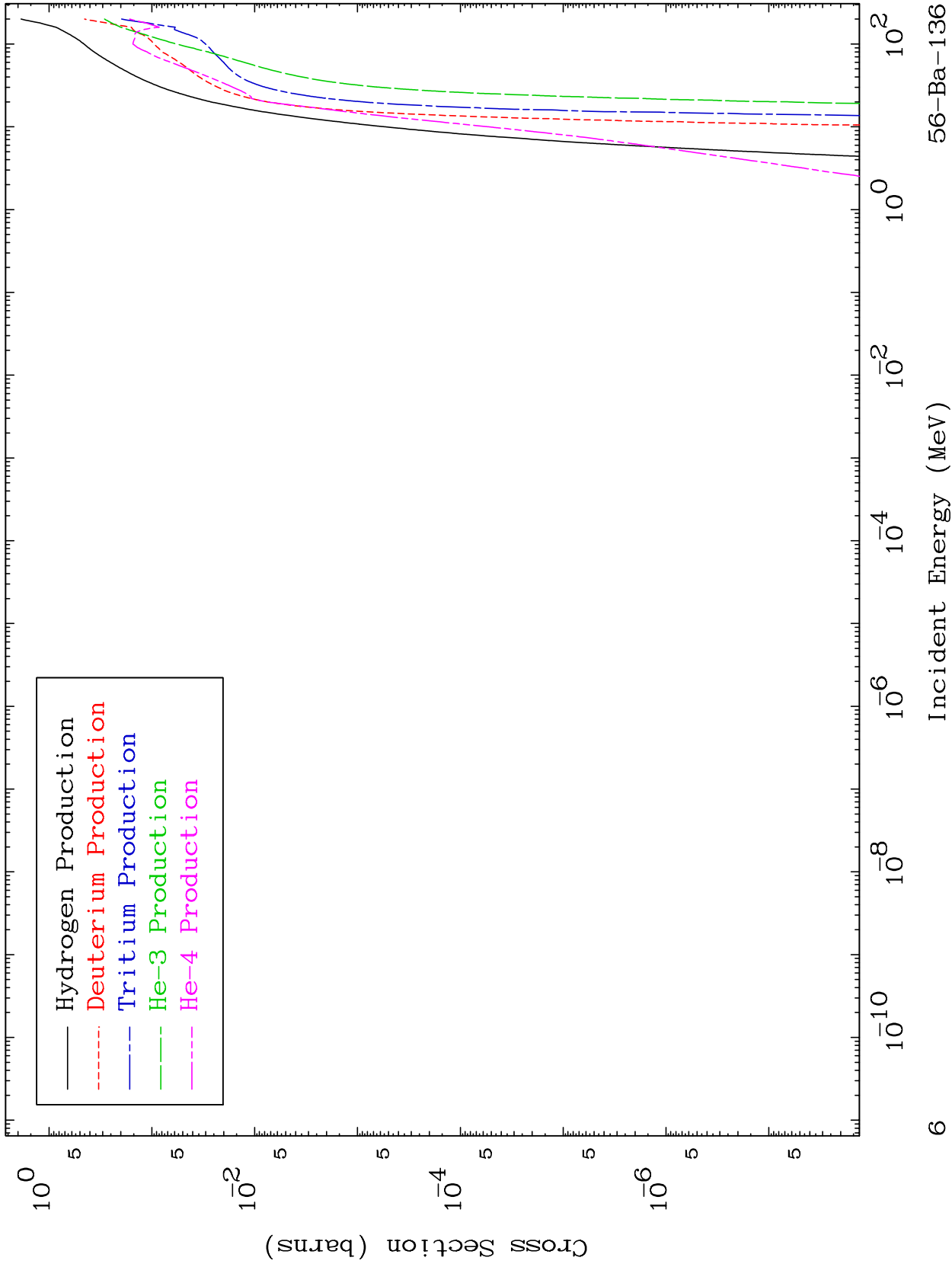
56-Ba-136



MAT 5643

Particle Production
293 Kelvin Cross Sections

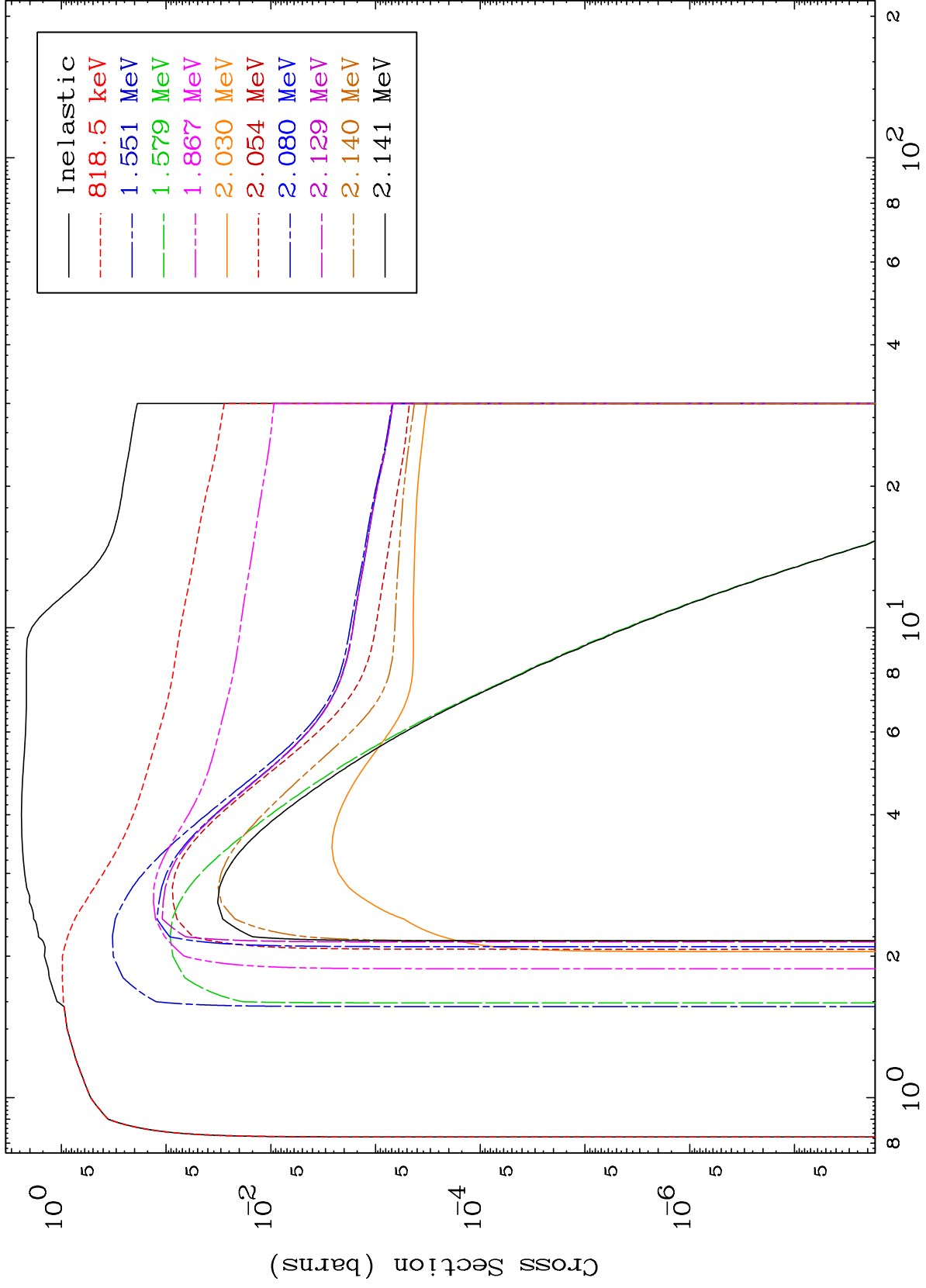
56-Ba-136



MAT 5643

(n,n') Level
293 Kelvin Cross Sections

56-Ba-136



Incident Energy (MeV)

56-Ba-136

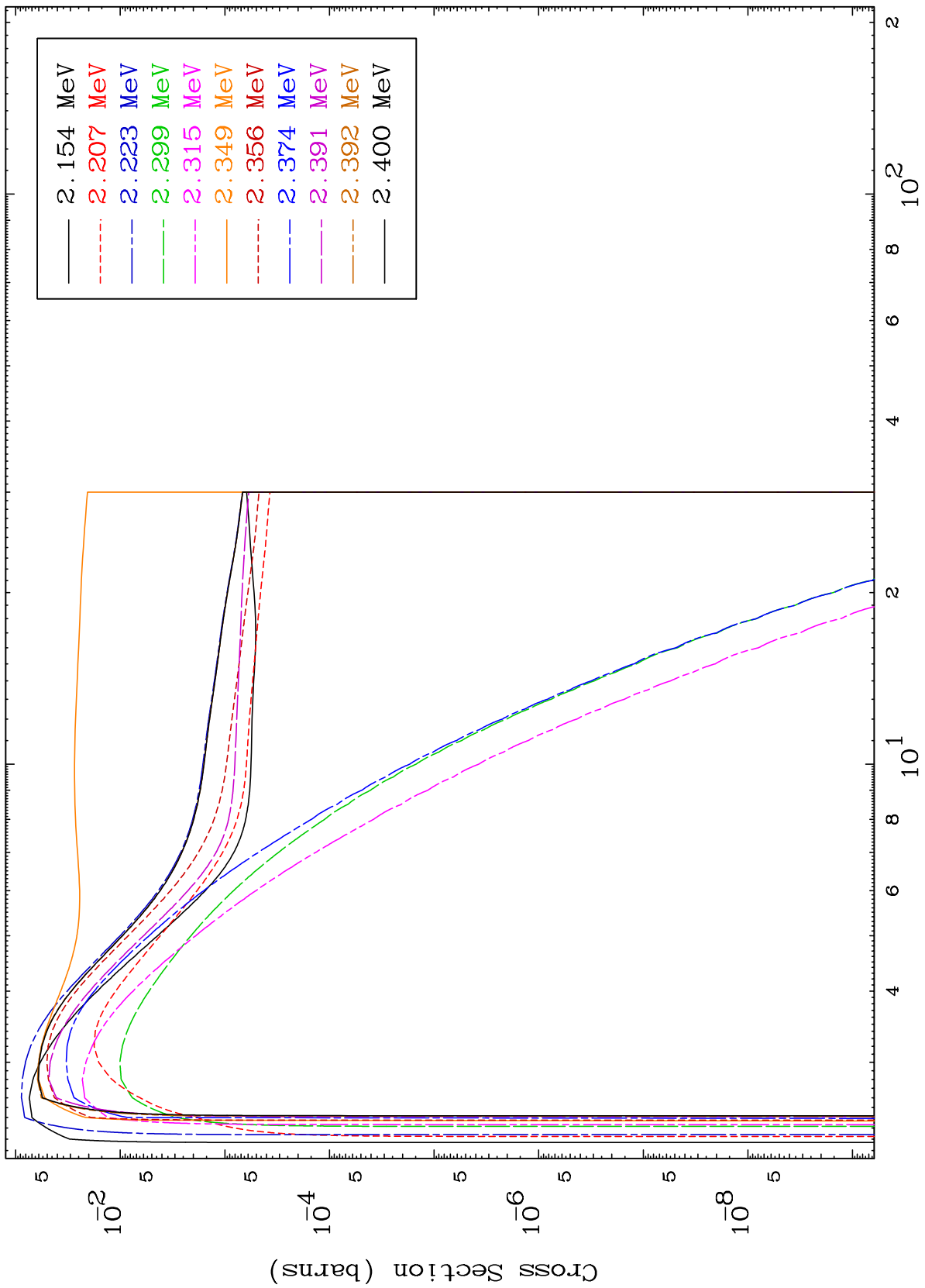
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MAT 5643

(n,n') Level

56-Ba-136

293 Kelvin Cross Sections

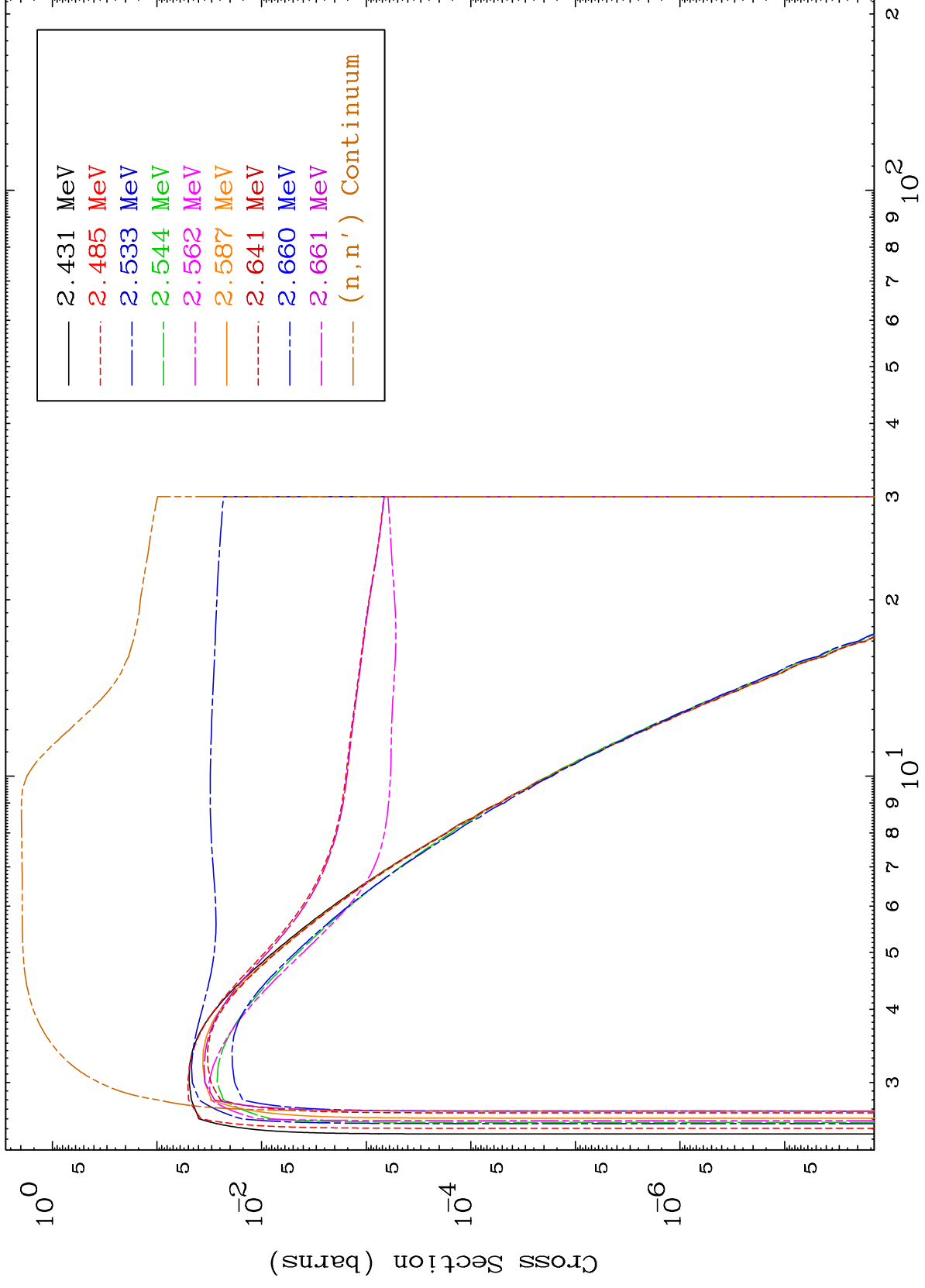


8

Incident Energy (MeV)

56-Ba-136

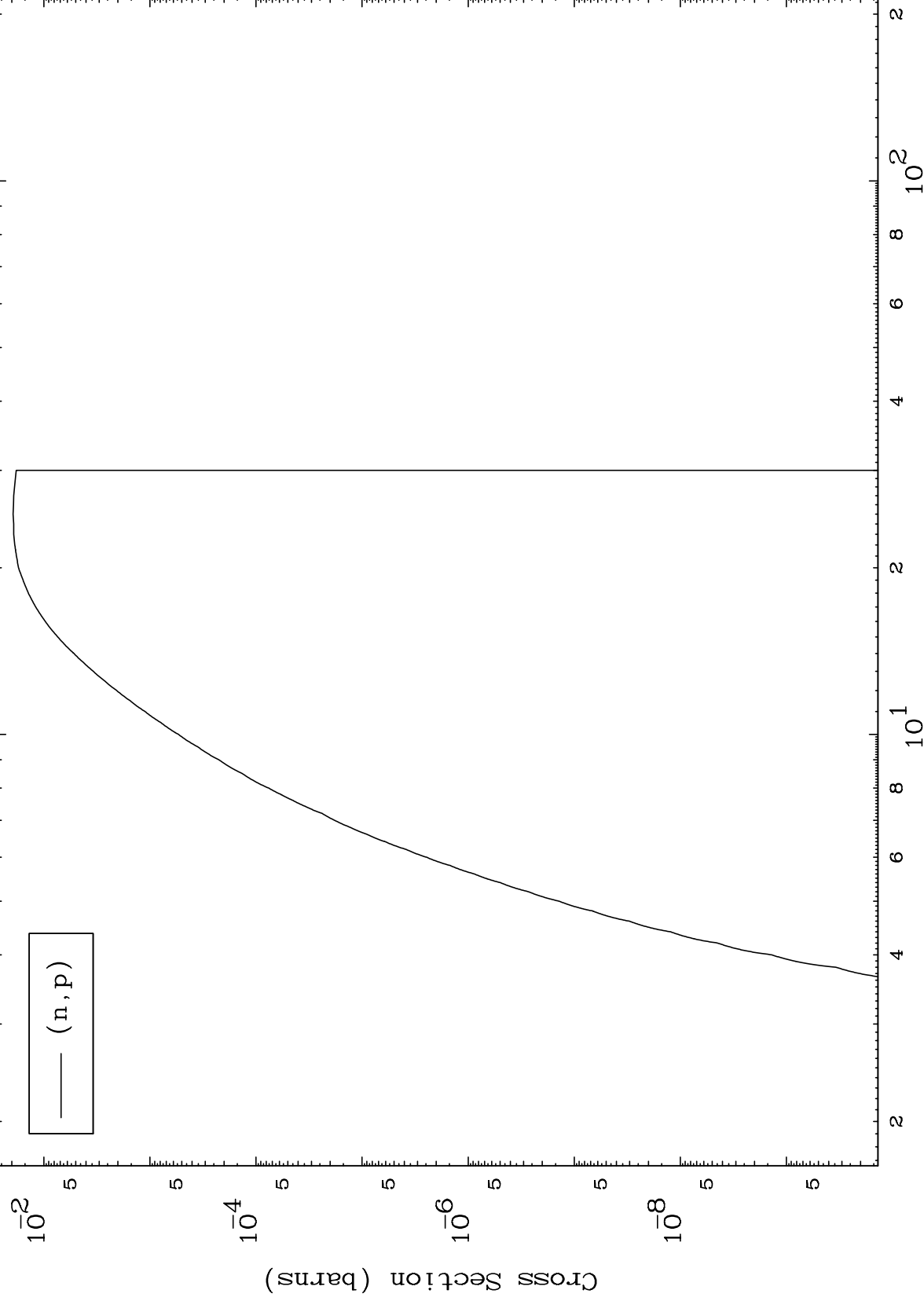
293 Kelvin Cross Sections



MAT 5643

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-136



10

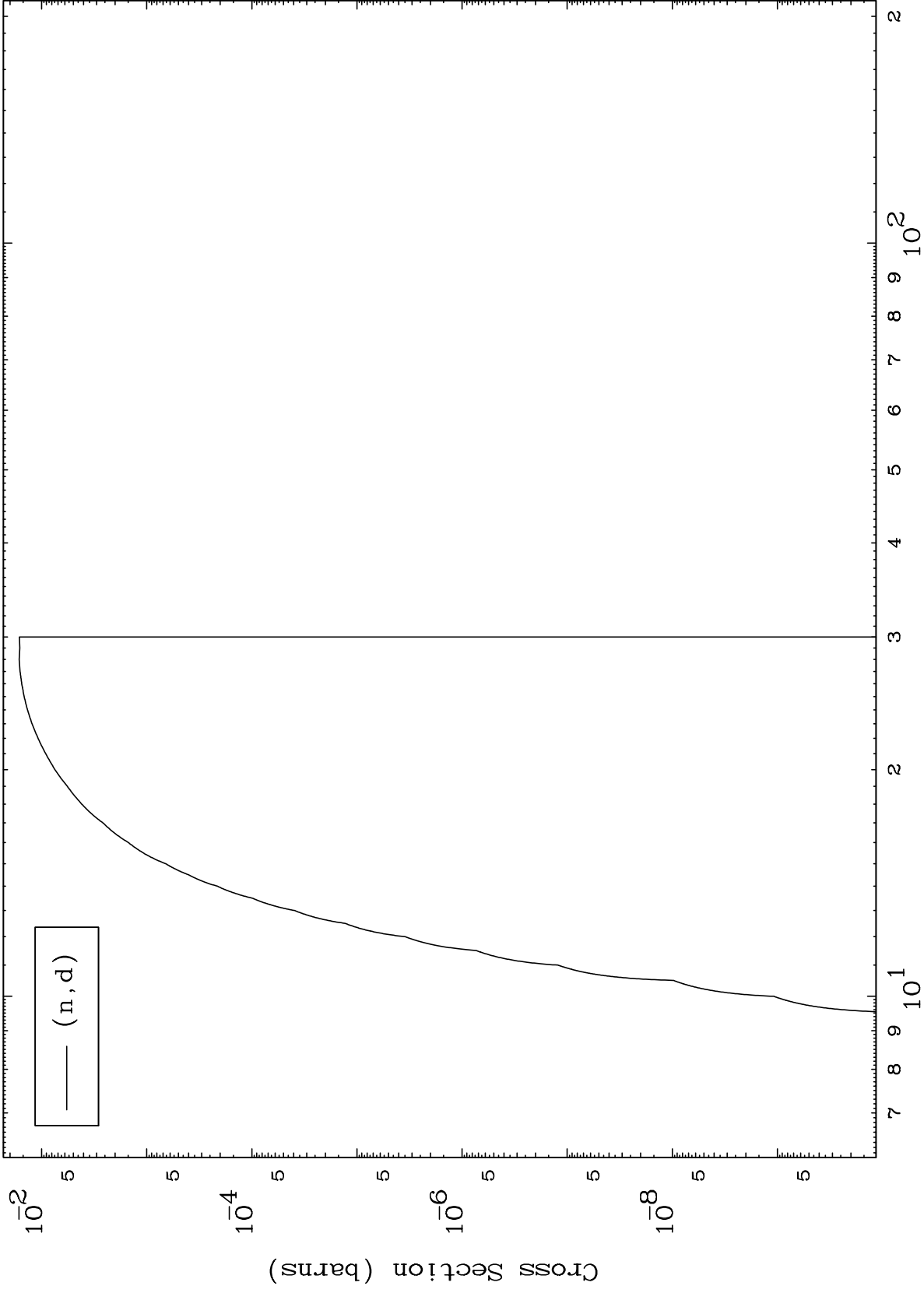
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-136



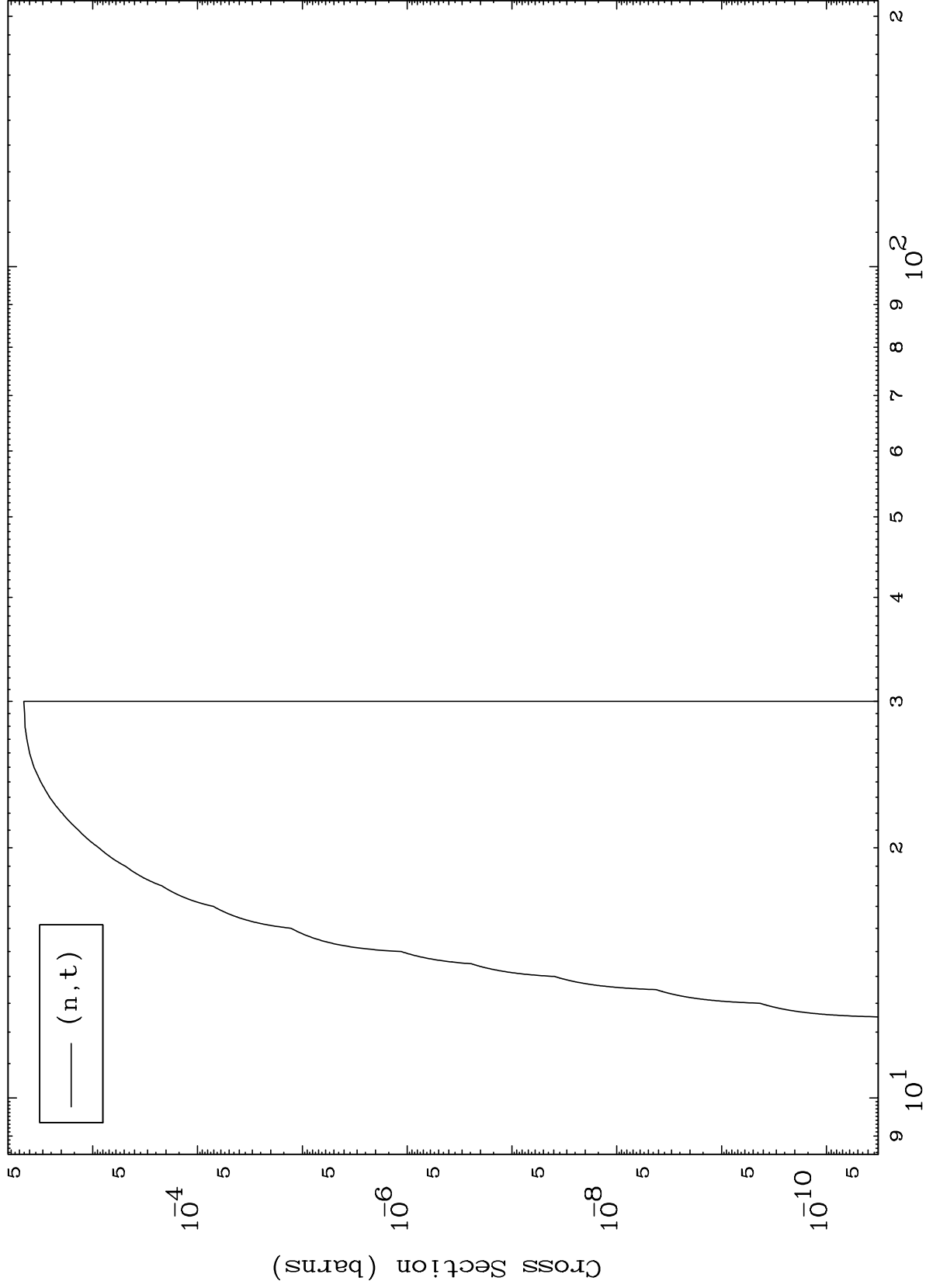
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56-Ba-136

MAT 5643

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-136



12

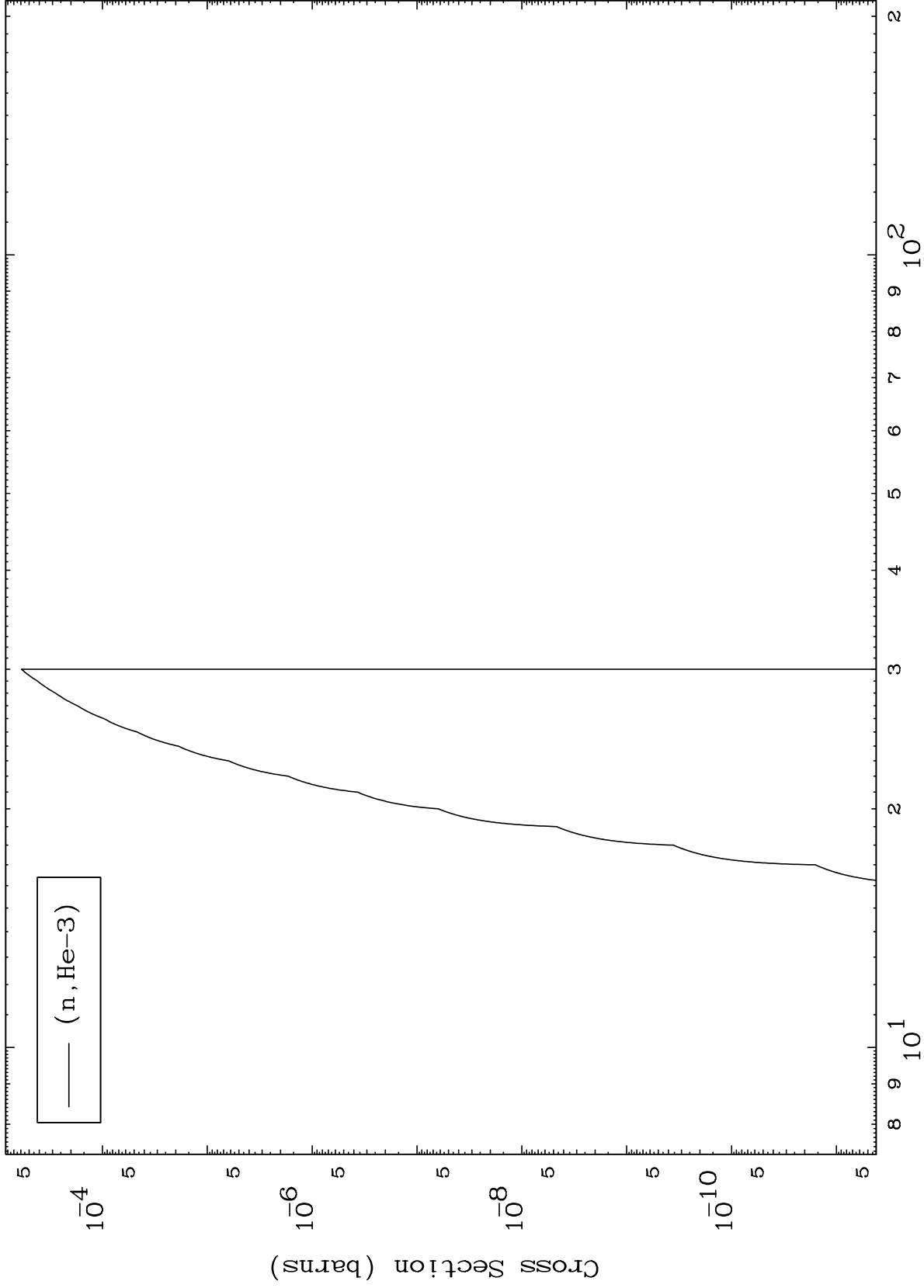
Incident Energy (MeV)

56-Ba-136

MAT 5643

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-136



13

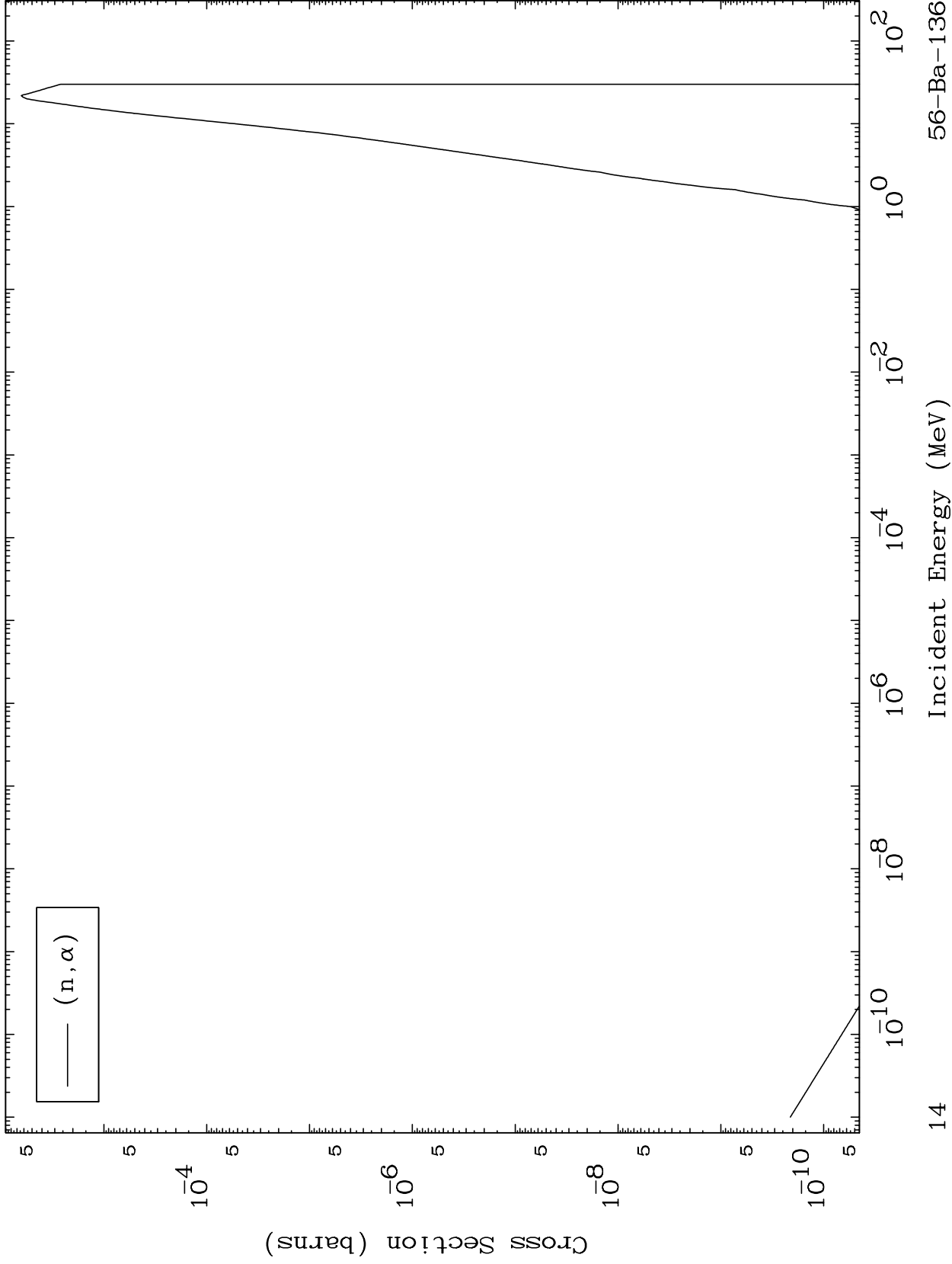
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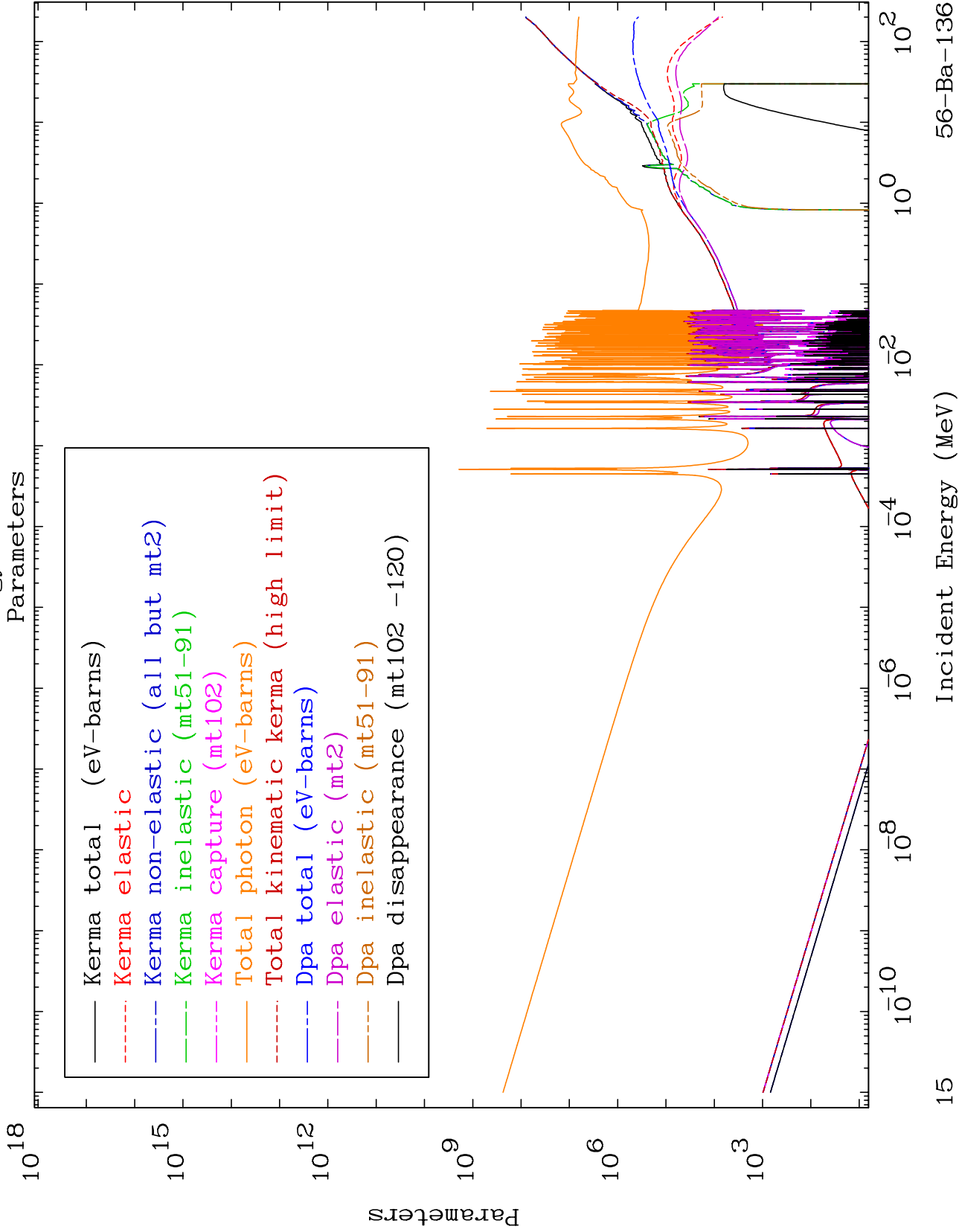
56-Ba-136

MAT 5643

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-136

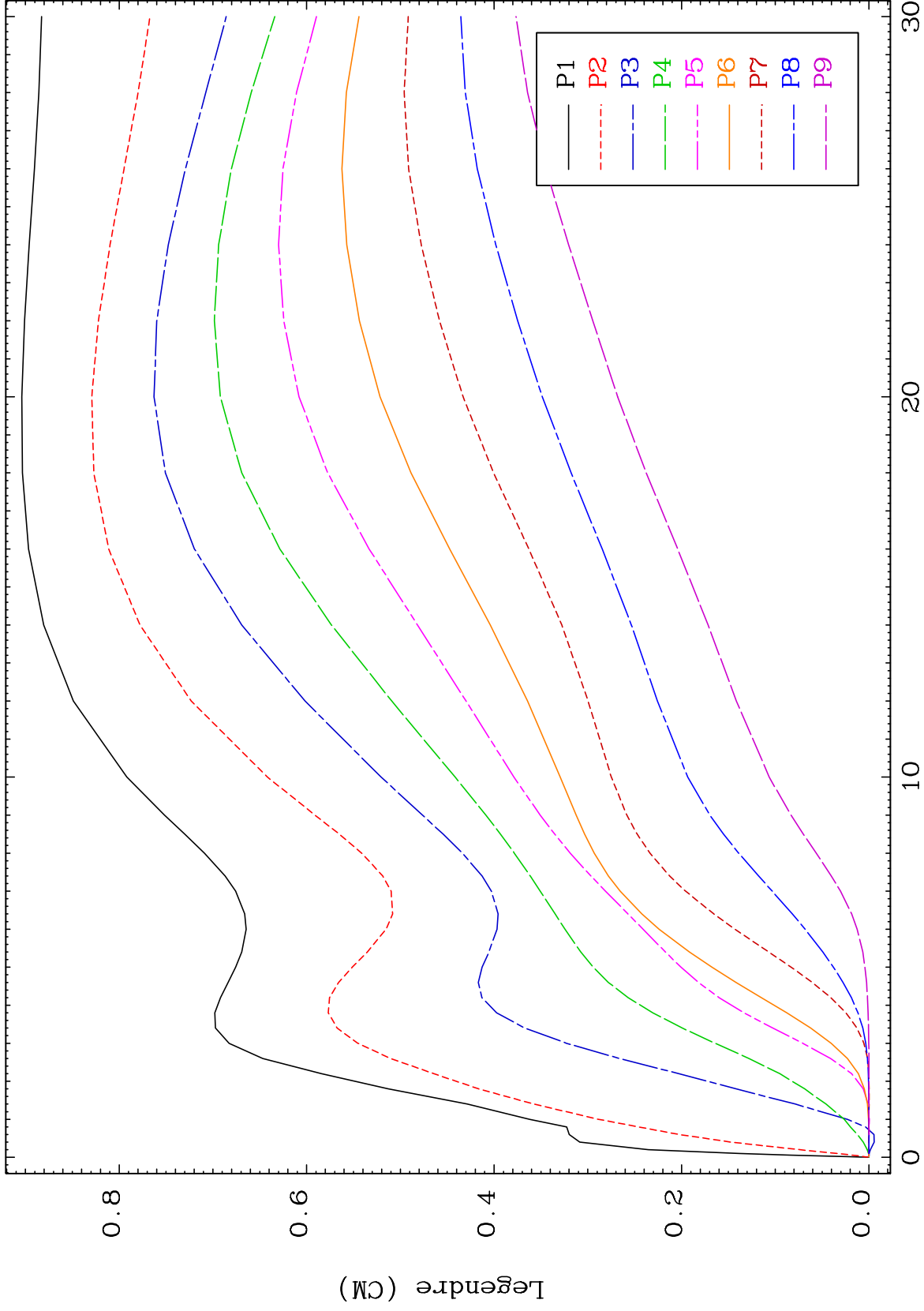




MAT 5643

56-Ba-136

Elastic Legendre Coefficients



56-Ba-136

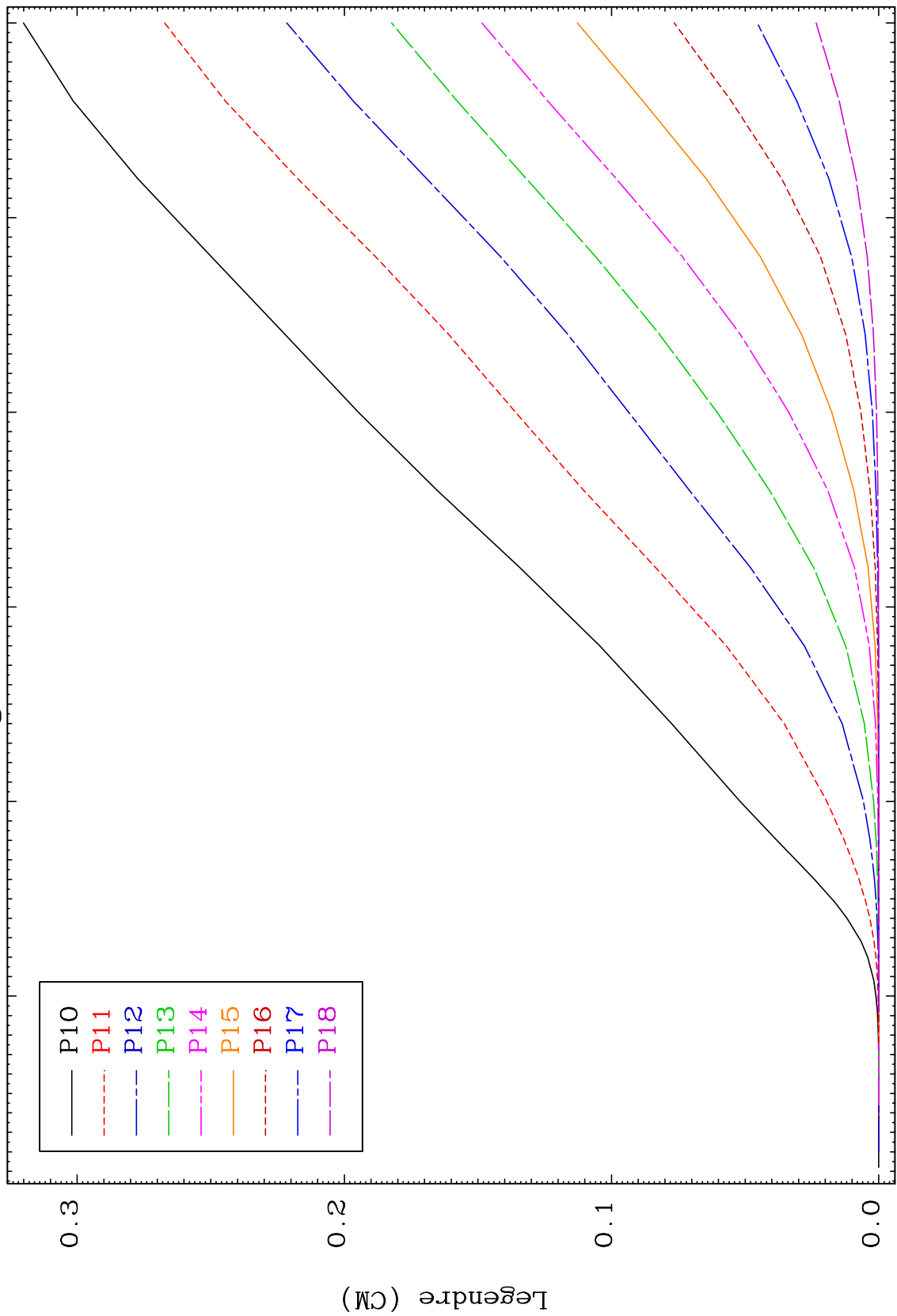
Incident Energy (MeV)

16

MAT 5643

Elastic Legendre Coefficients

56-Ba-136



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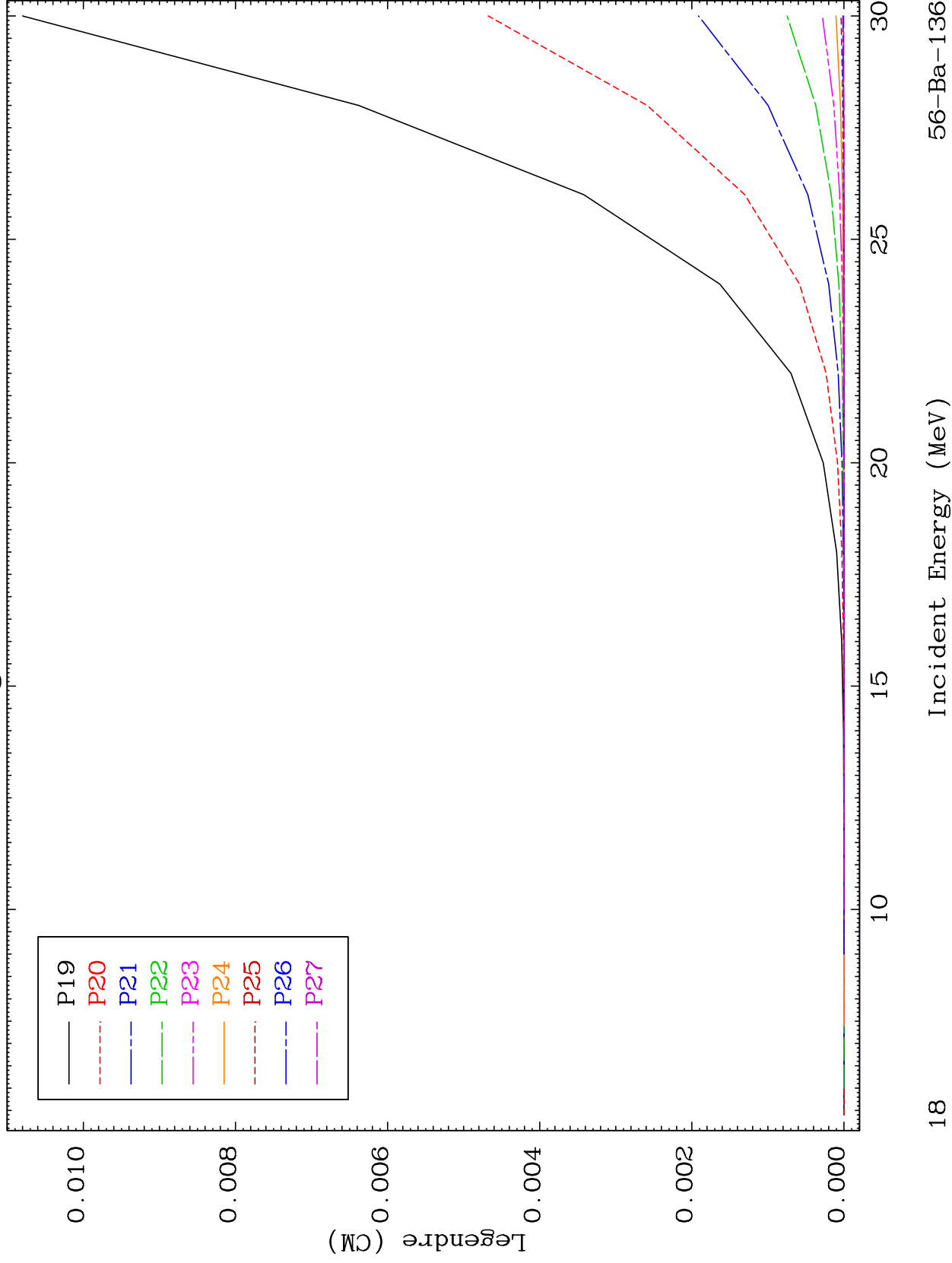
Incident Energy (MeV)

56-Ba-136

MAT 5643

Elastic Legendre Coefficients

56-Ba-136



18

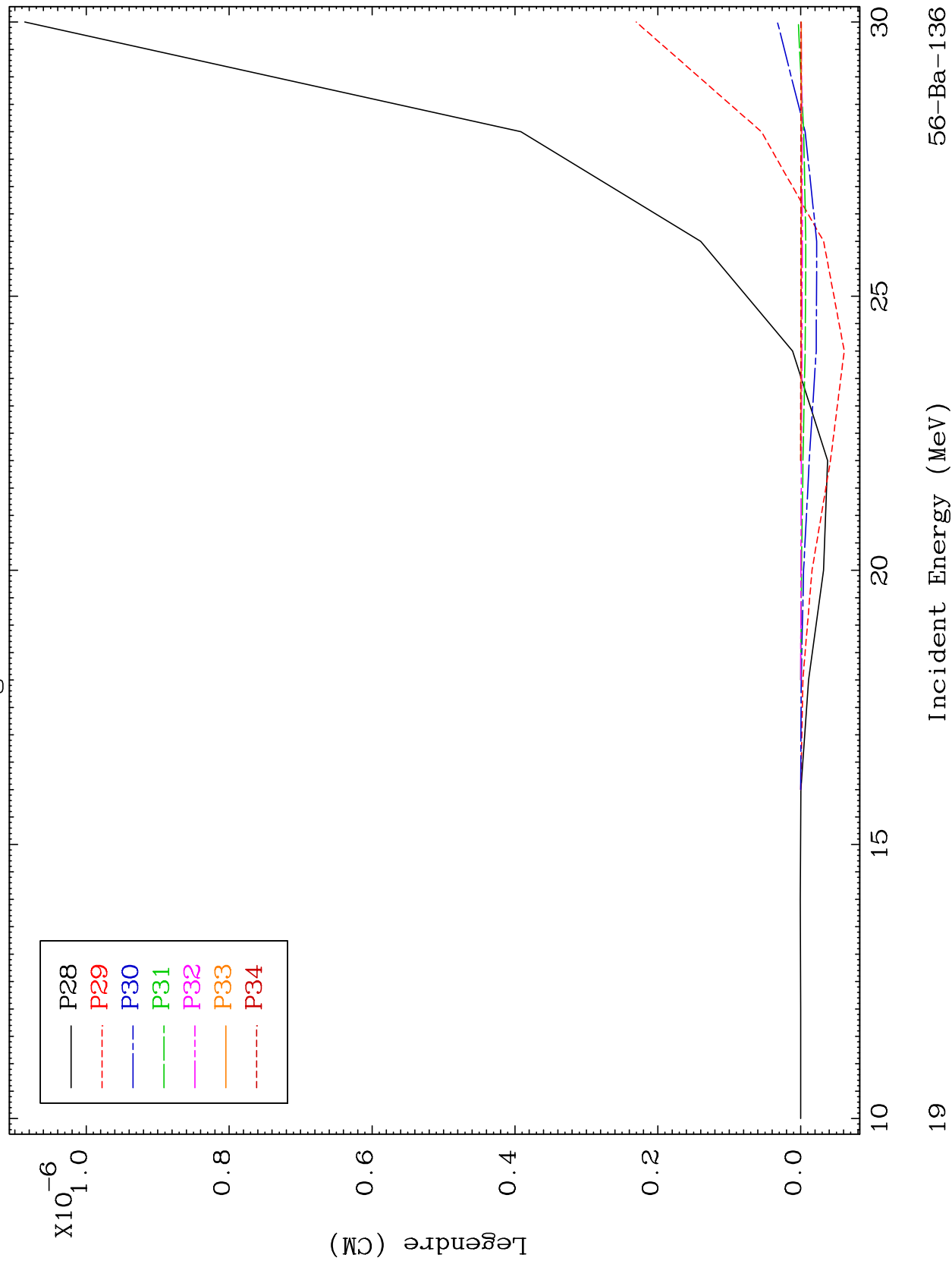
Incident Energy (MeV)

56-Ba-136

MAT 5643

Elastic Legendre Coefficients

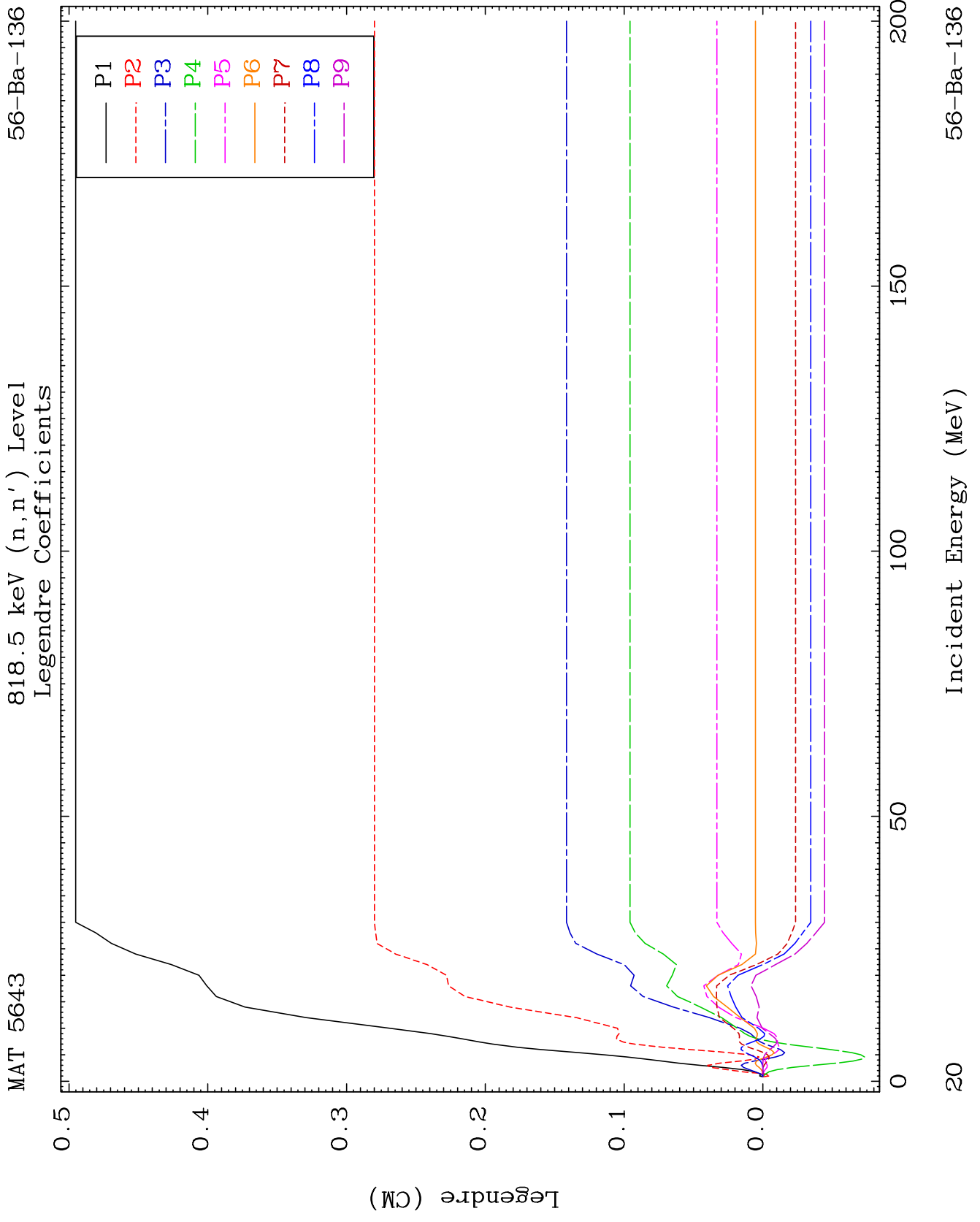
56-Ba-136



56-Ba-136

Incident Energy (MeV)

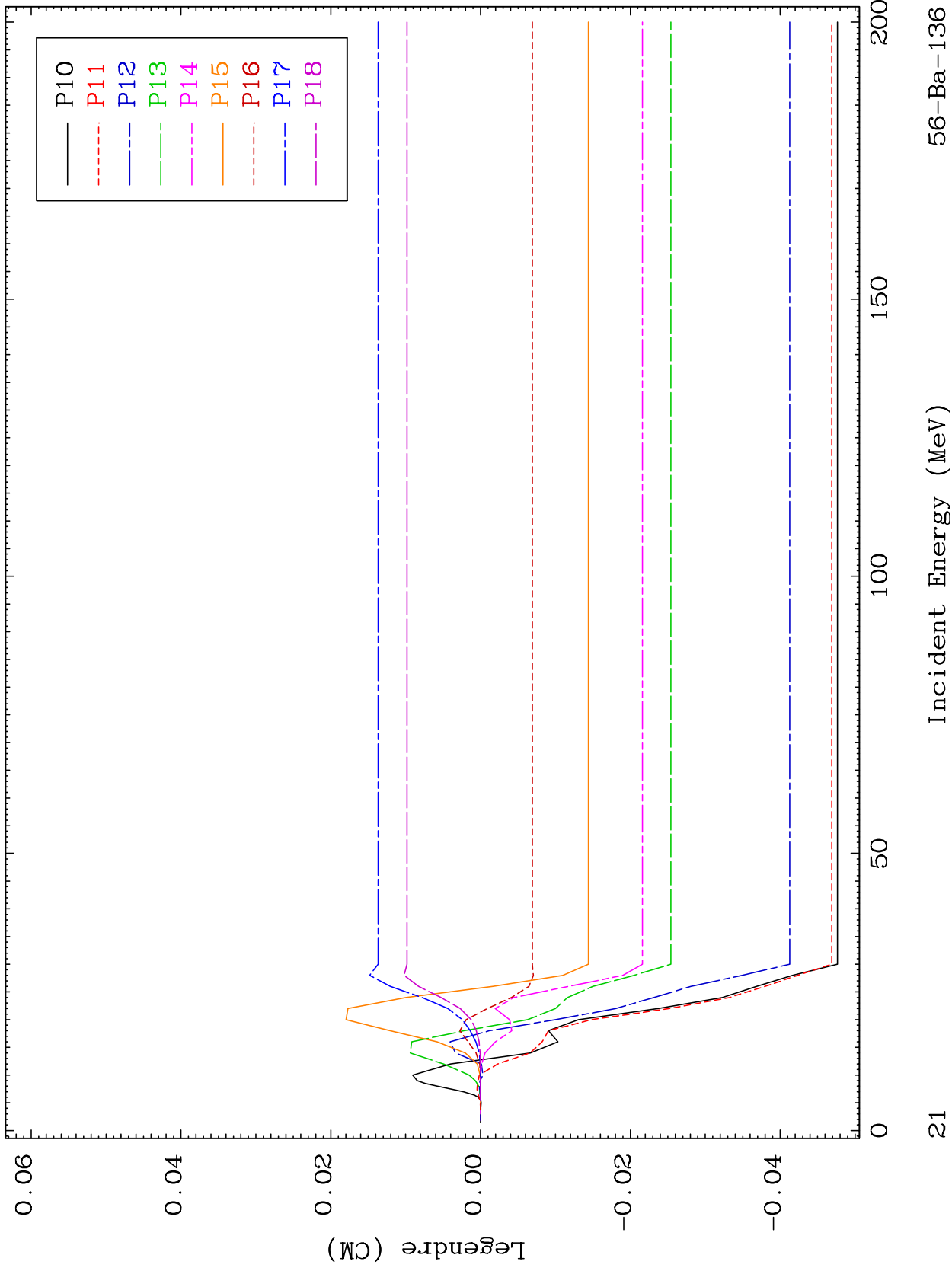
19



MAT 5643

818.5 keV (n,n') Level
Legendre Coefficients

56-Ba-136



21

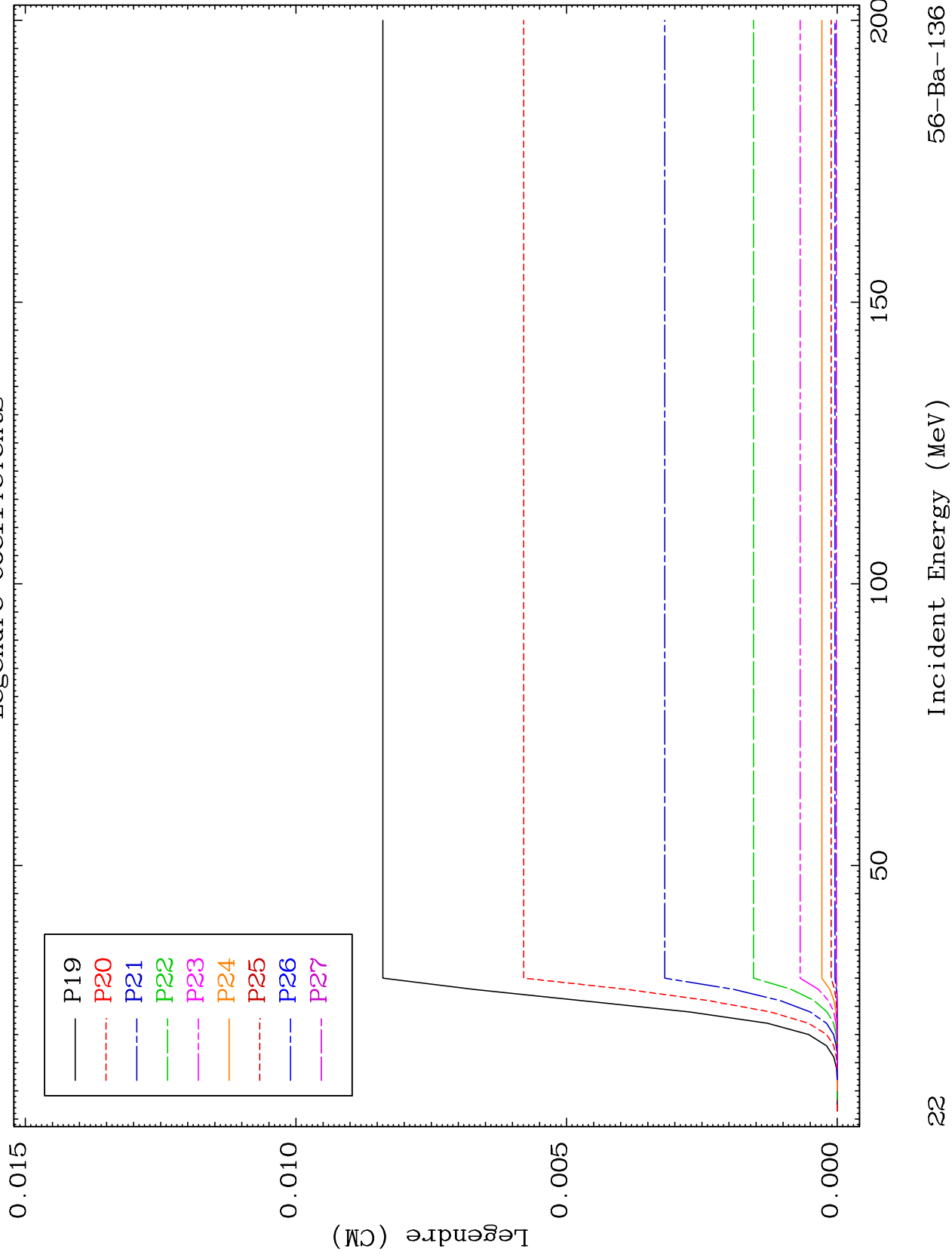
Incident Energy (MeV)

56-Ba-136

MAT 5643

818.5 keV (n,n') Level
Legendre Coefficients

56-Ba-136



22

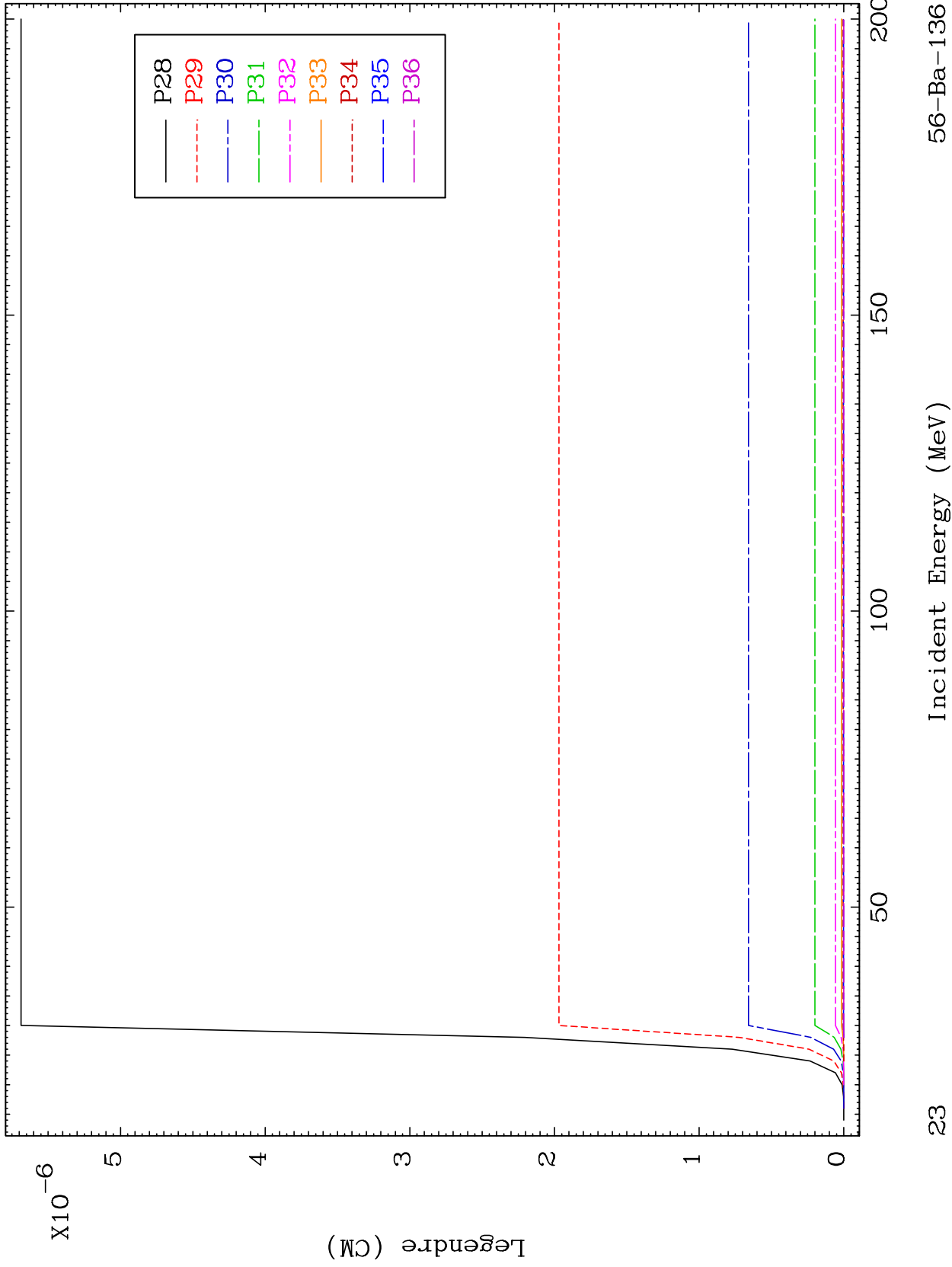
Incident Energy (MeV)

56-Ba-136

MAT 5643

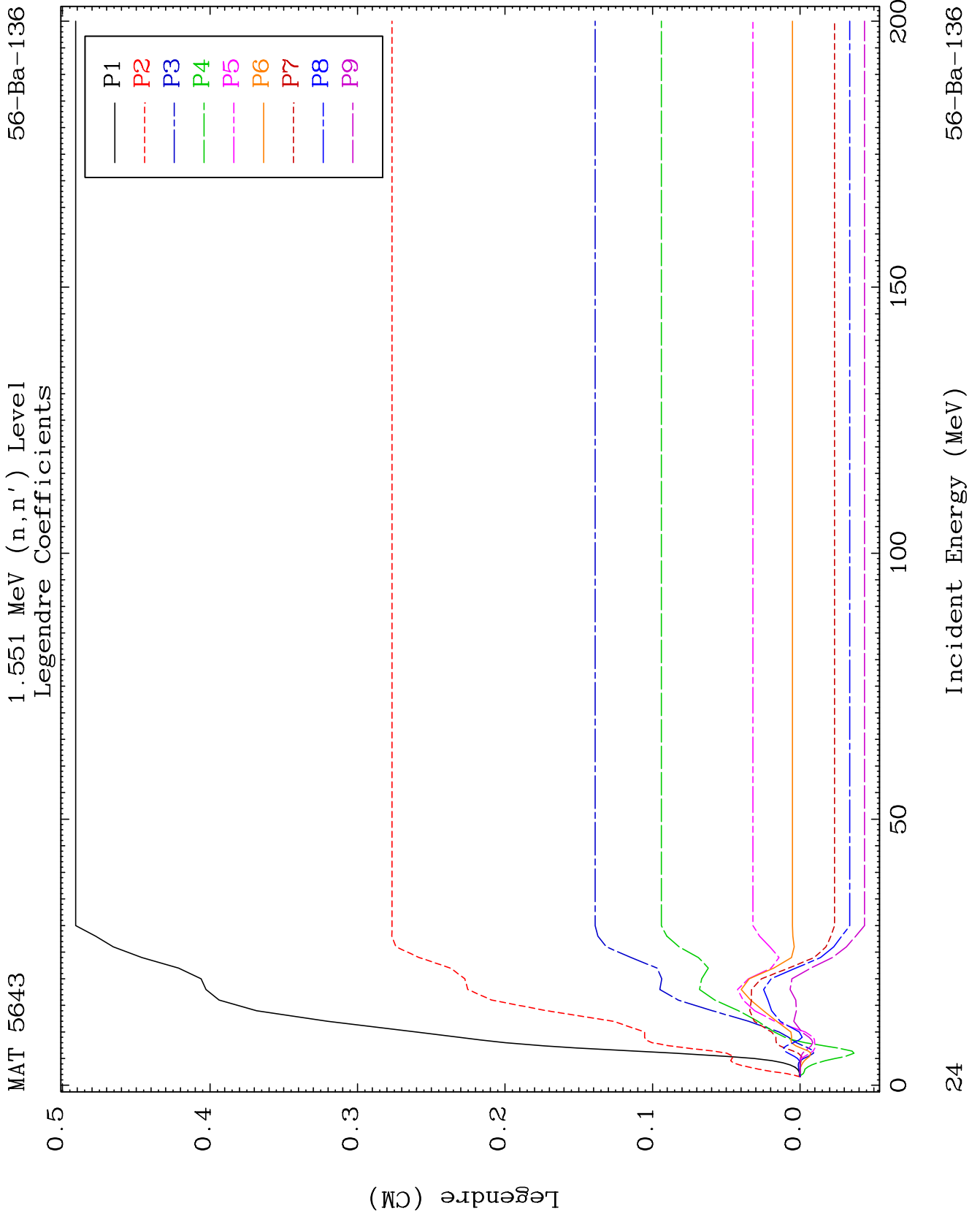
818.5 keV (n,n') Level
Legendre Coefficients

56-Ba-136



23

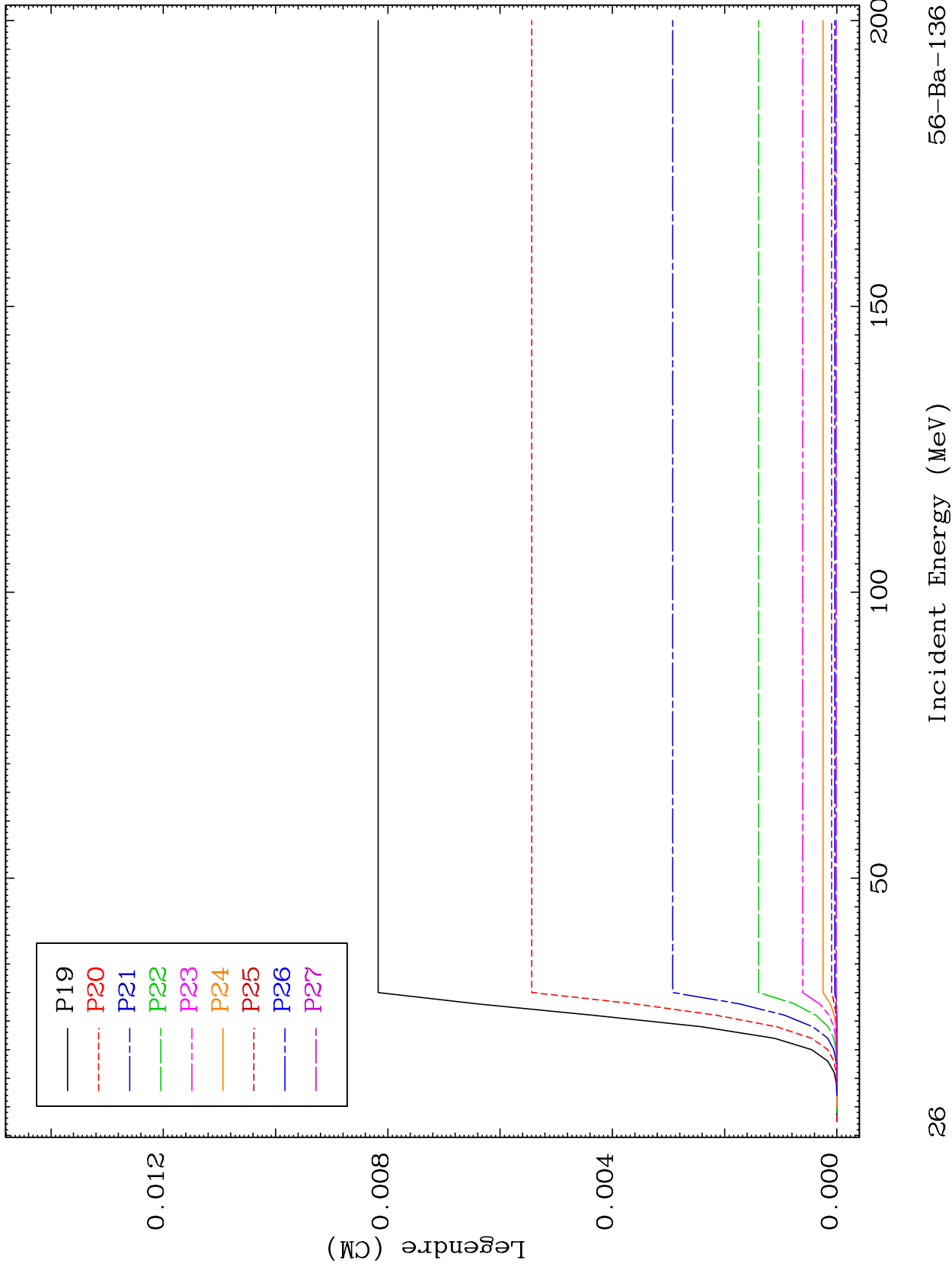
56-Ba-136



MAT 5643

1.551 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



26

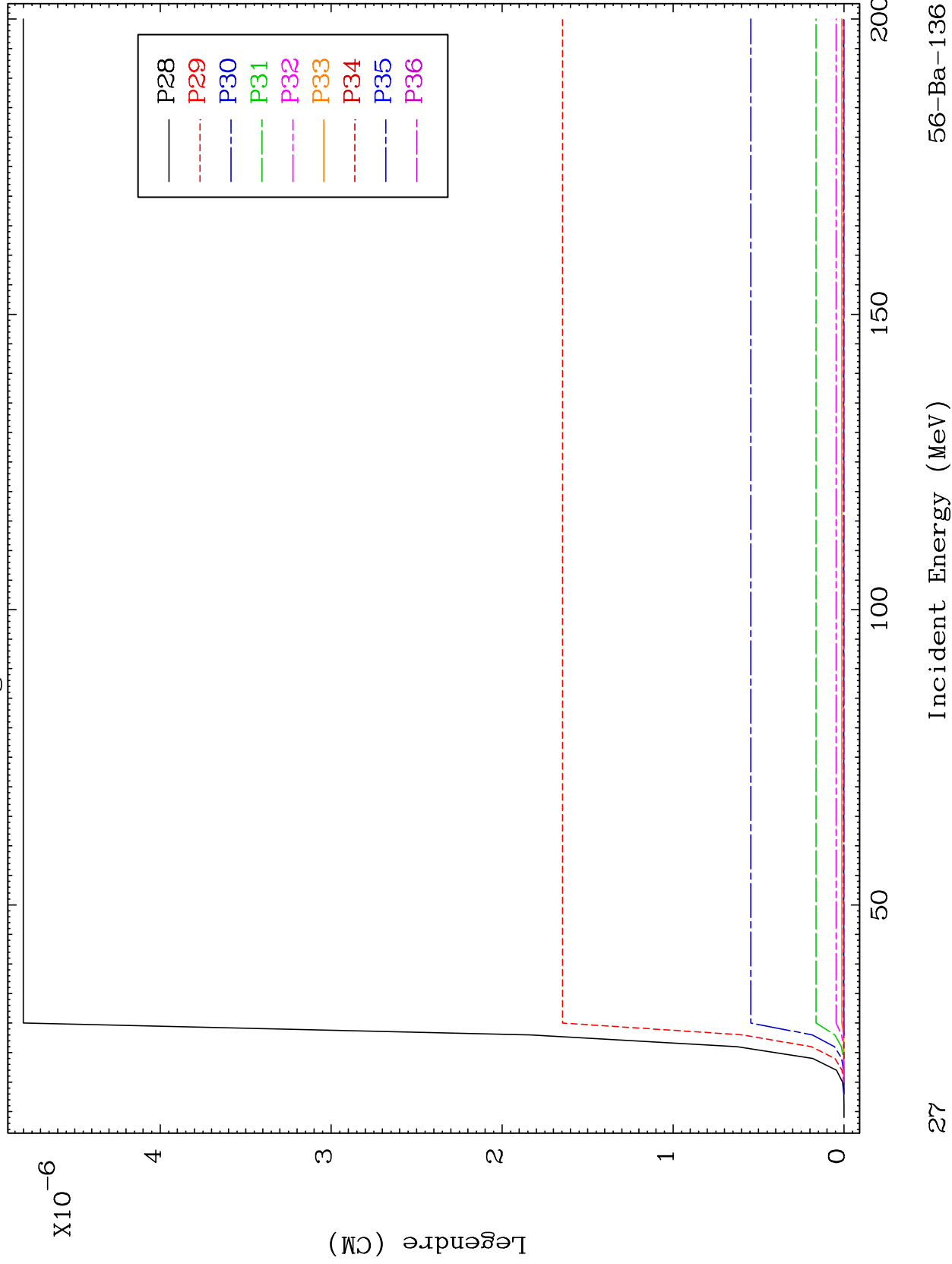
Incident Energy (MeV)

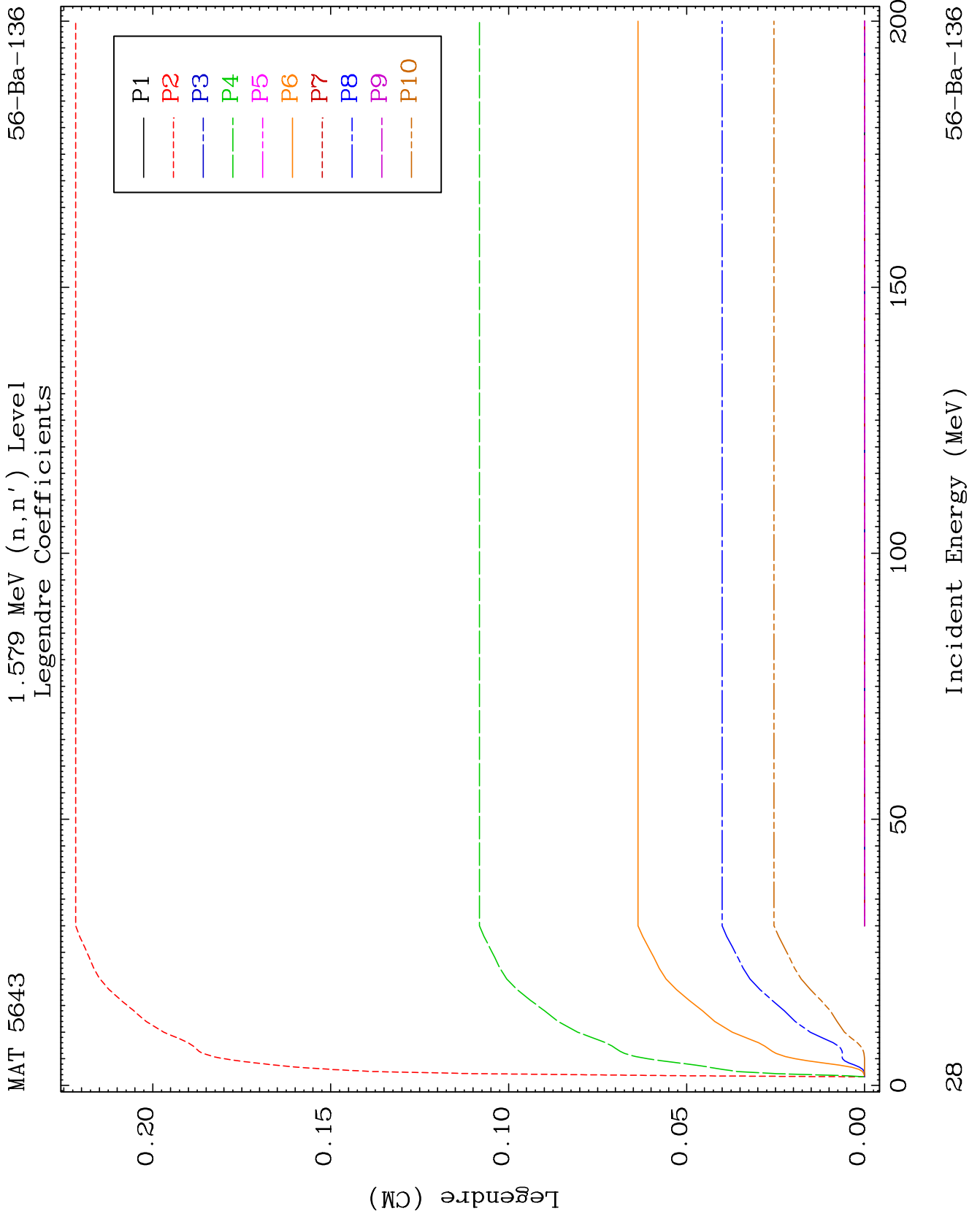
56-Ba-136

MAT 5643

1.551 MeV (n, n') Level
Legendre Coefficients

56-Ba-136

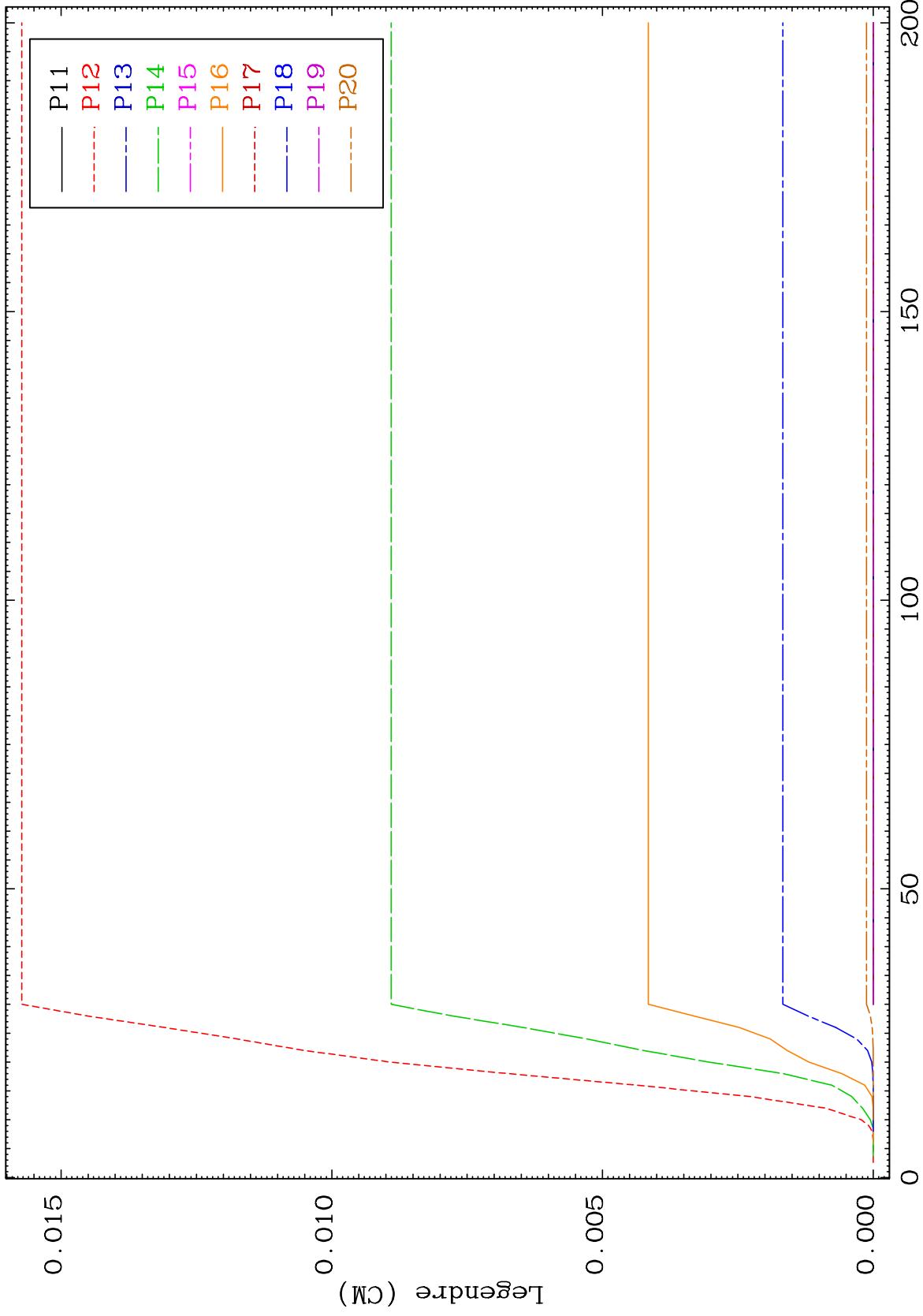




MAT 5643

1.579 MeV (n,n') Level
Legendre Coefficients

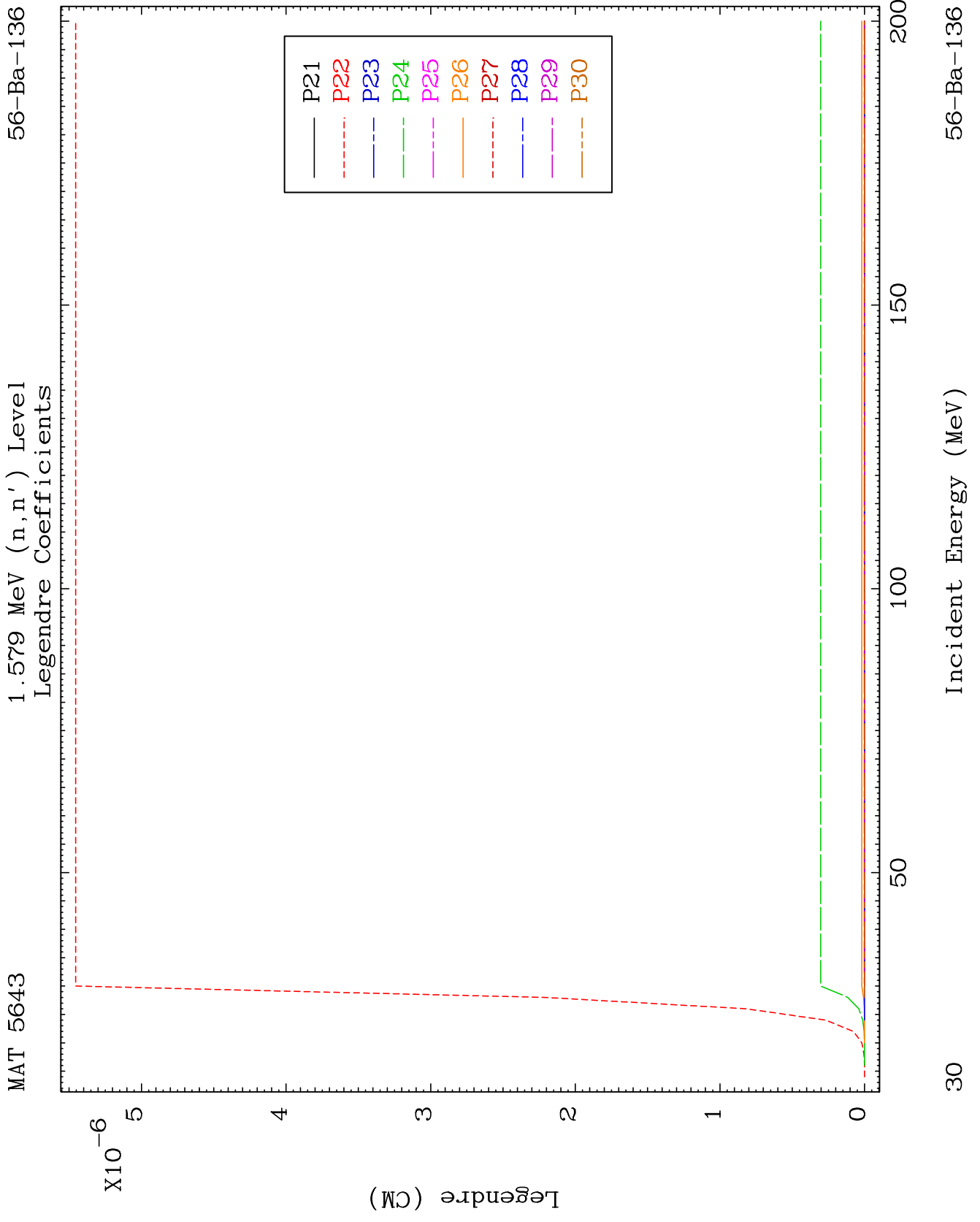
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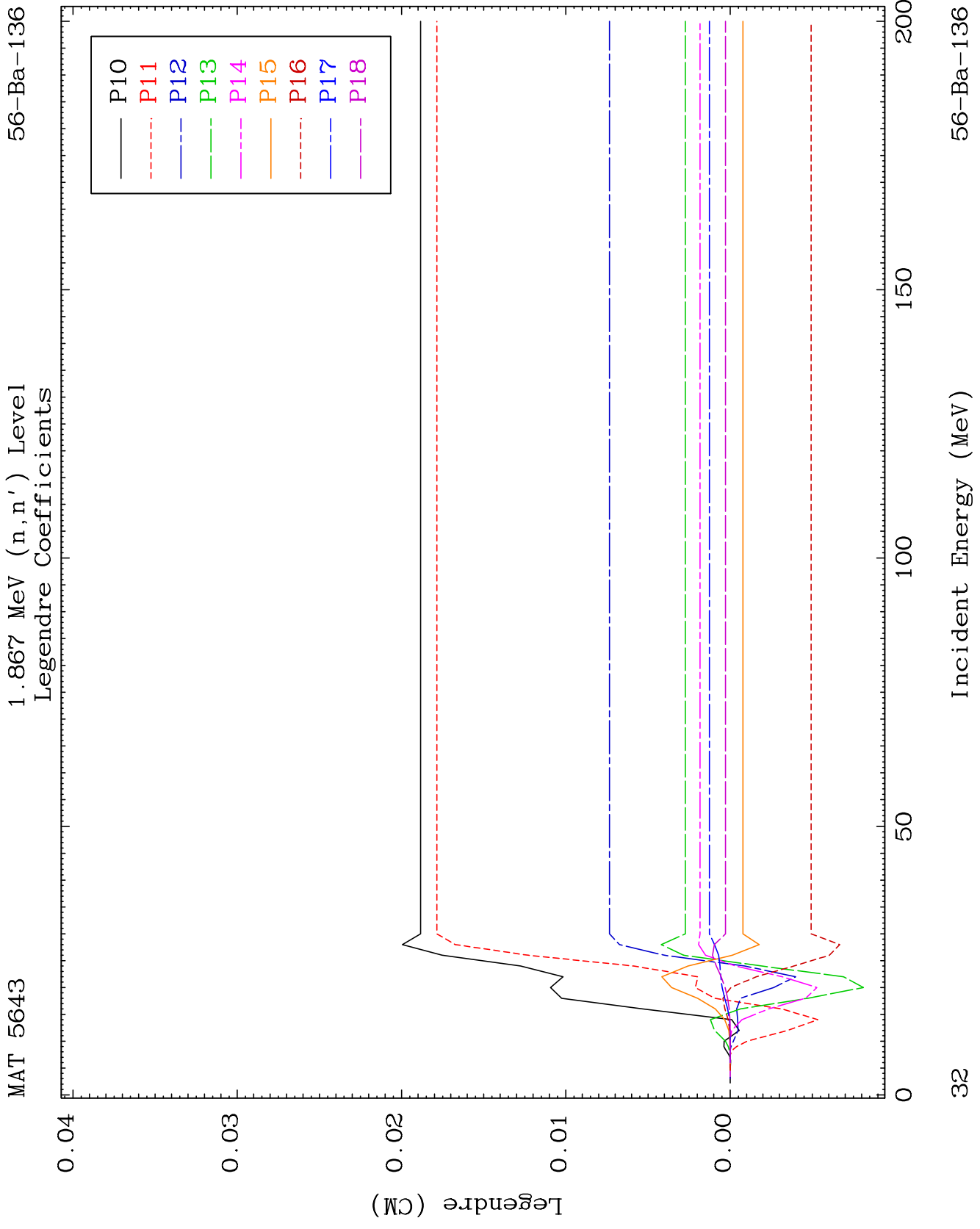


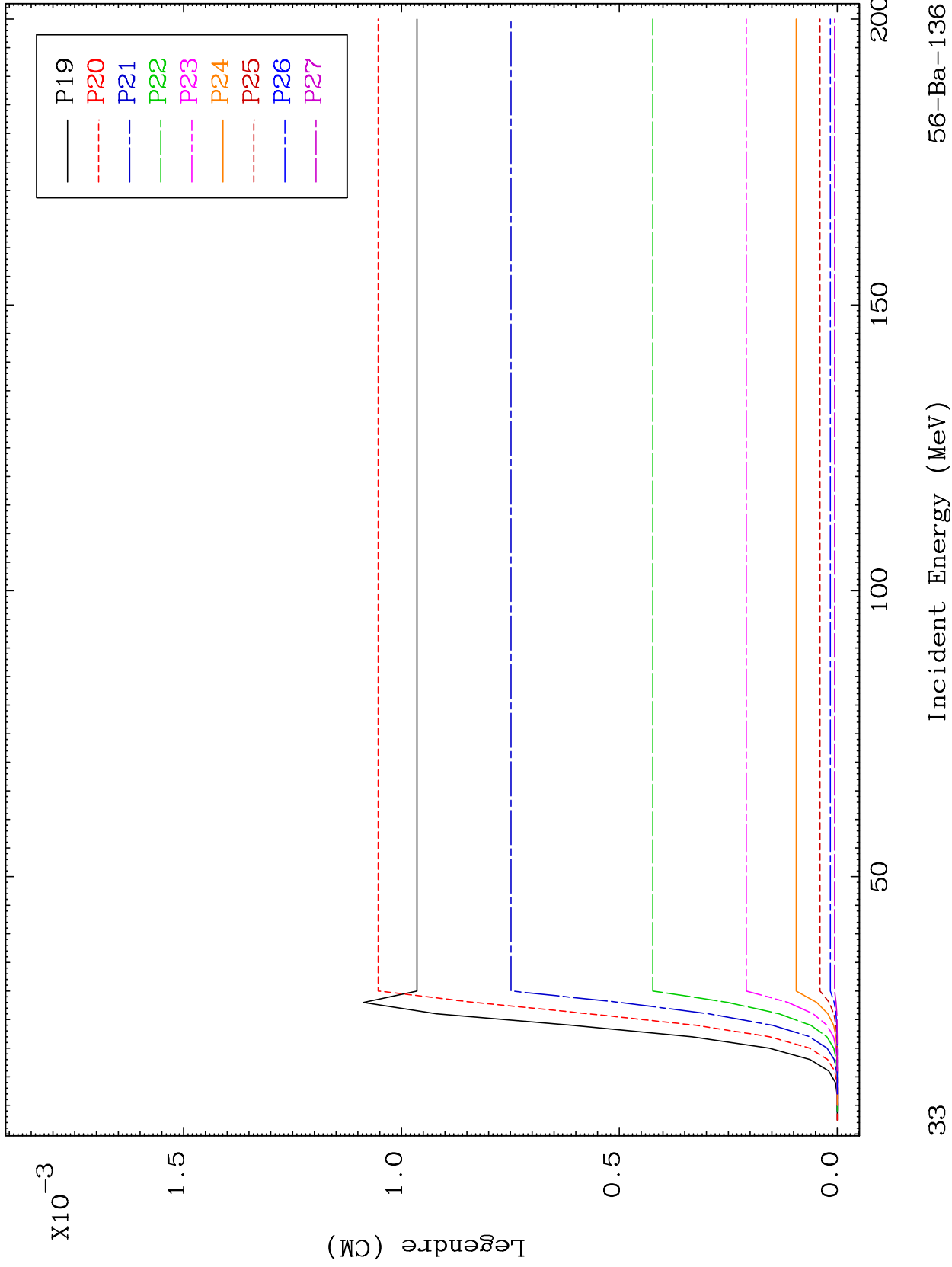
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Incident Energy (MeV)

56-Ba-136



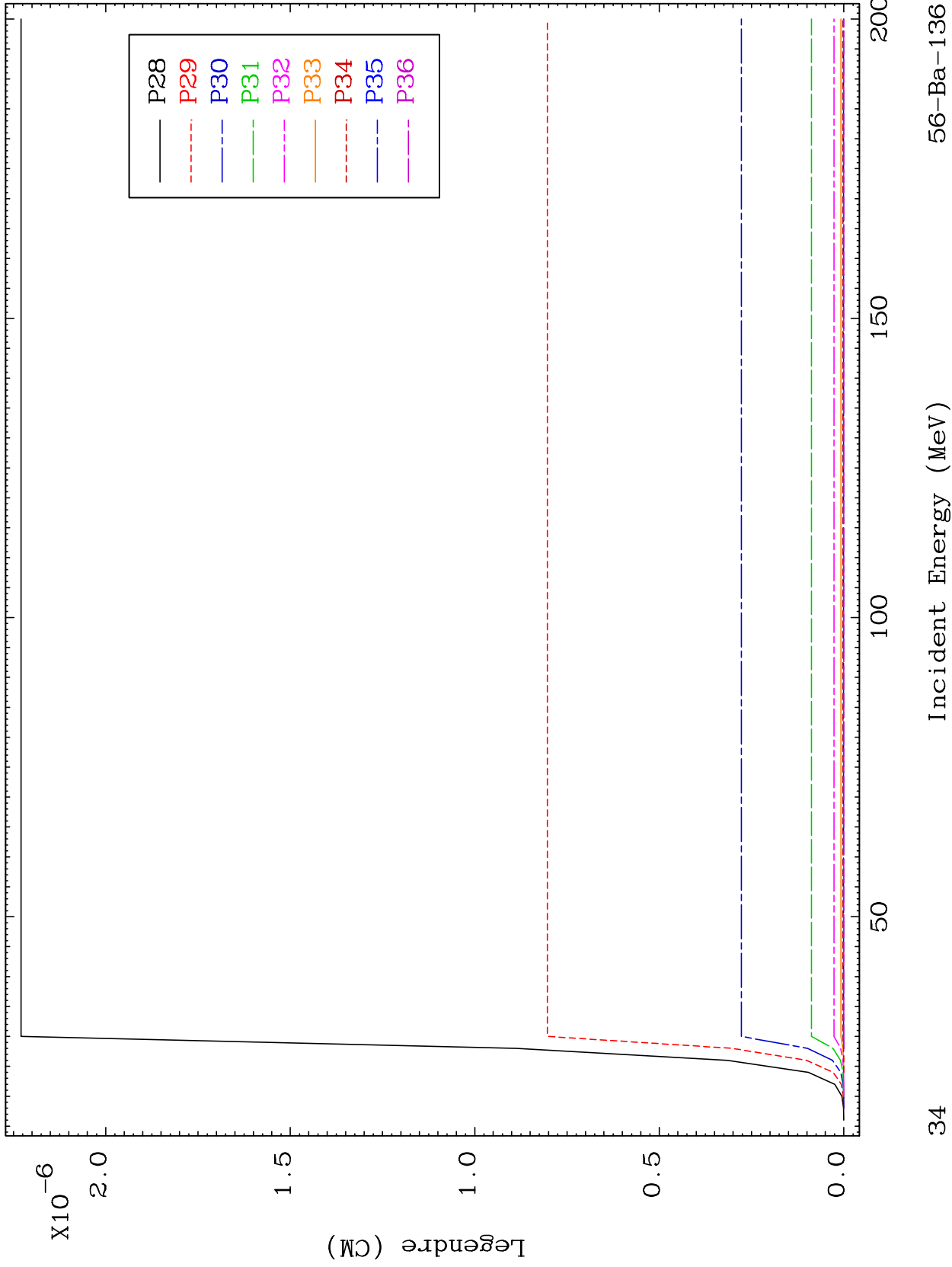




MAT 5643

1.867 MeV (n,n') Level
Legendre Coefficients

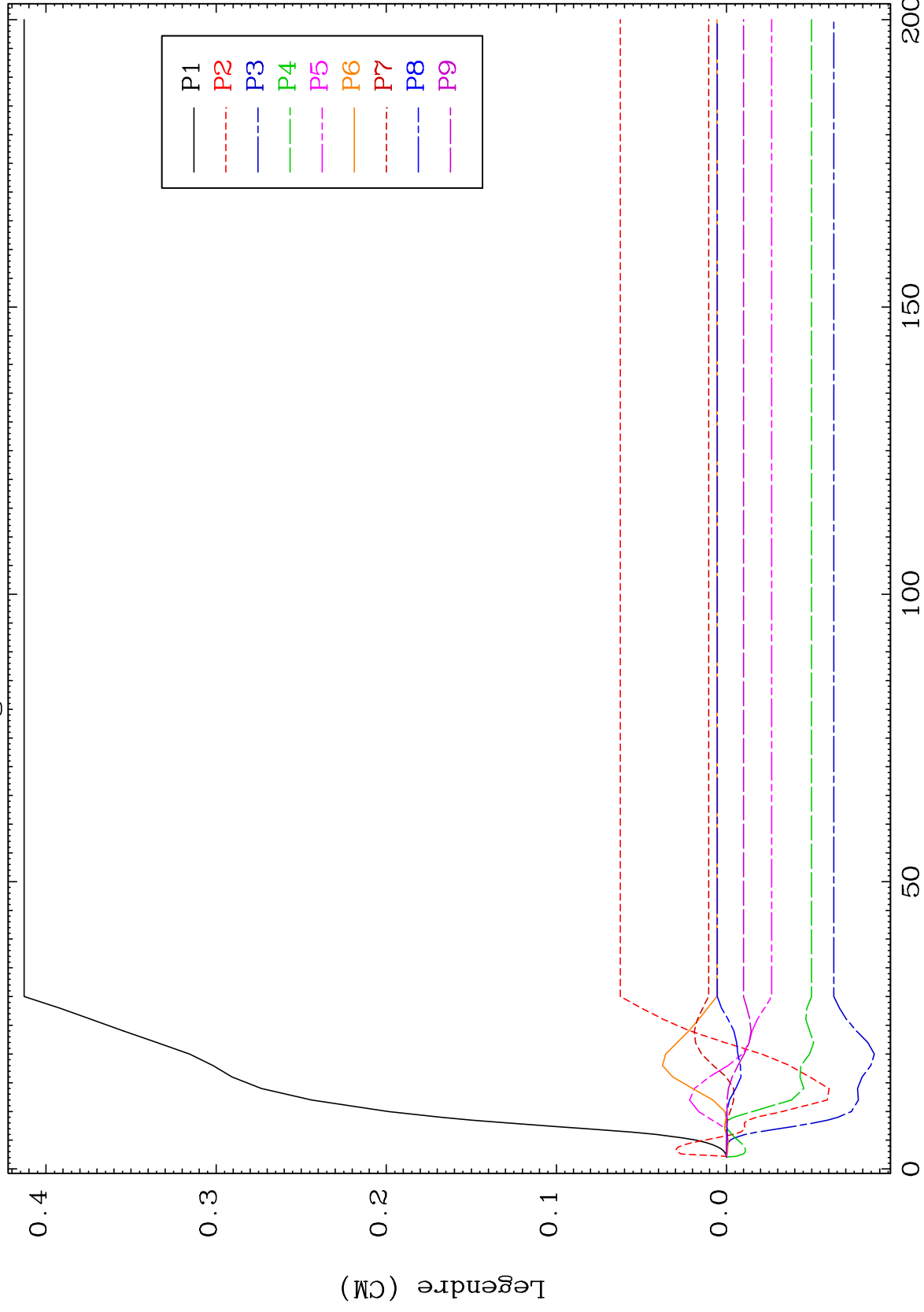
56-Ba-136



MAT 5643

2.030 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



56-Ba-136

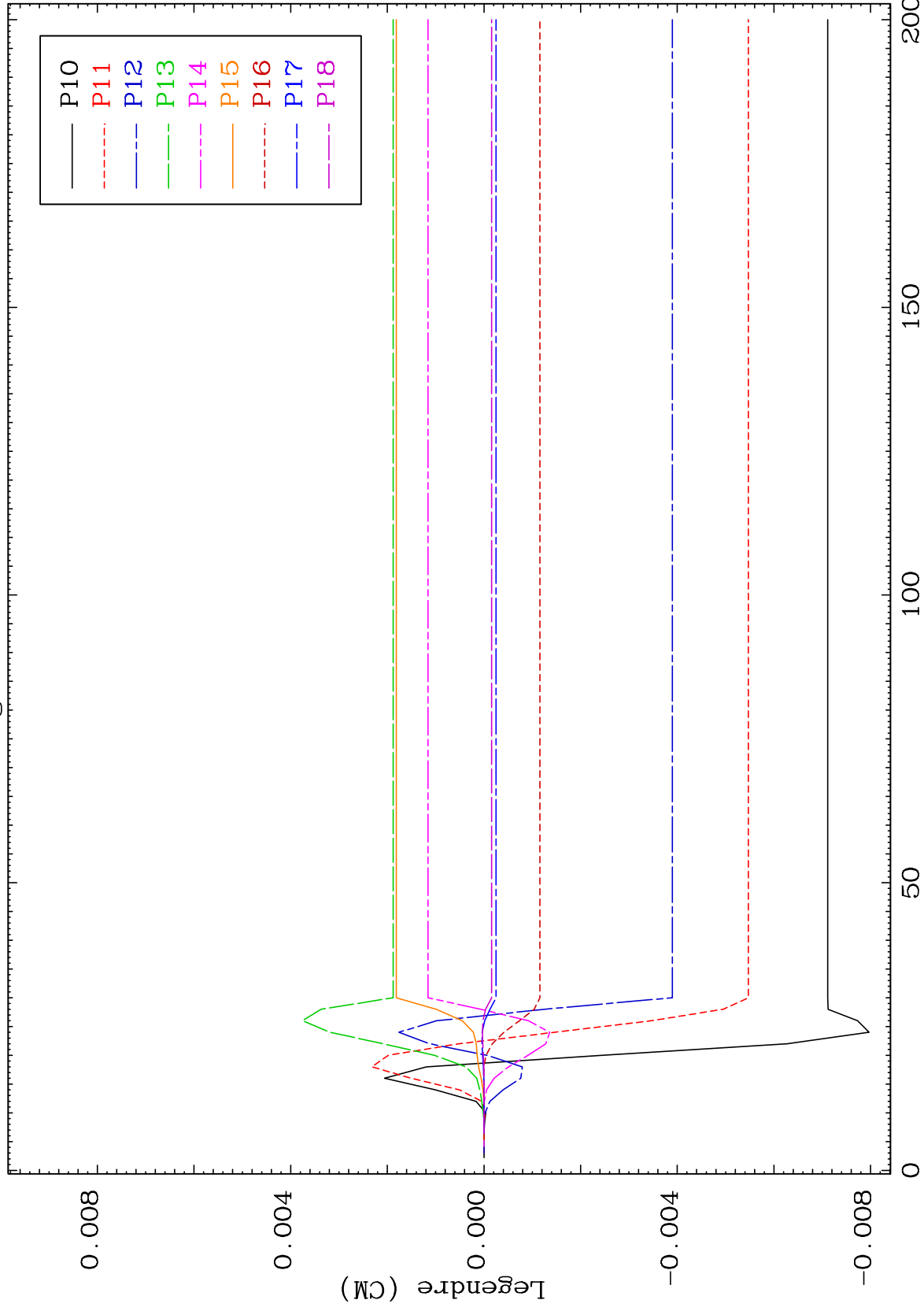
Incident Energy (MeV)

35

MAT 5643

2.030 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



36

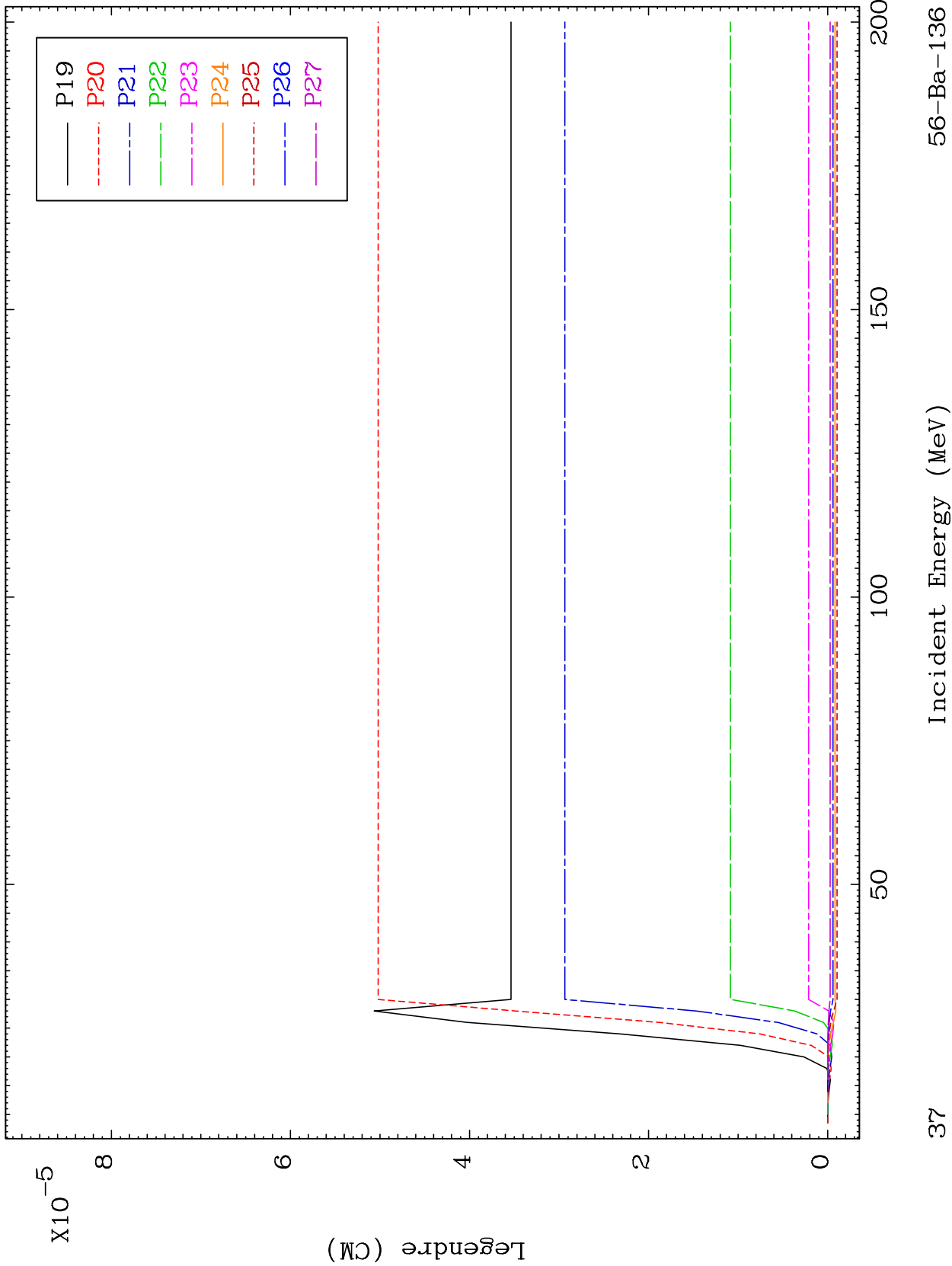
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.030 MeV (n,n') Level
Legendre Coefficients

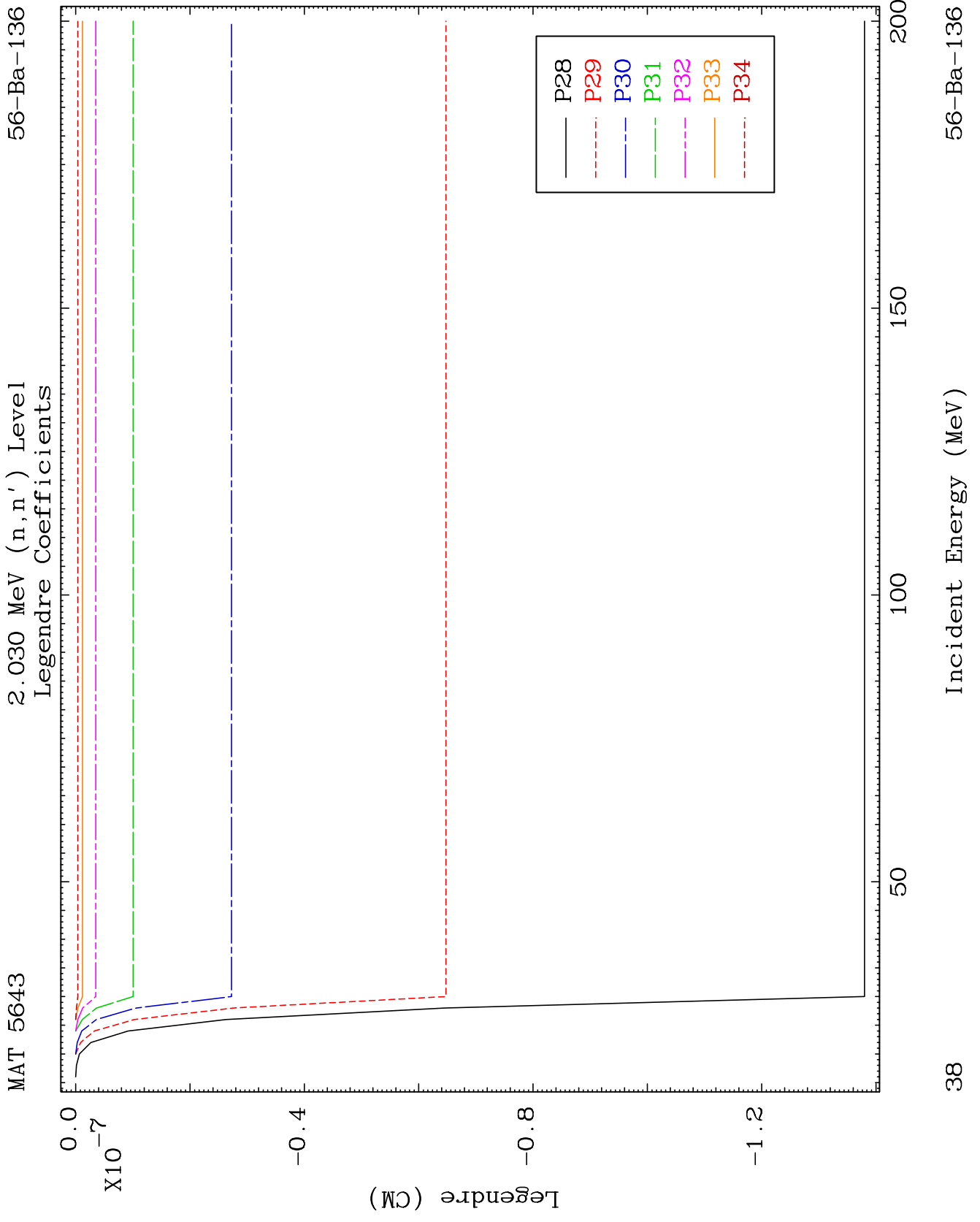
56-Ba-136



37

Incident Energy (MeV)

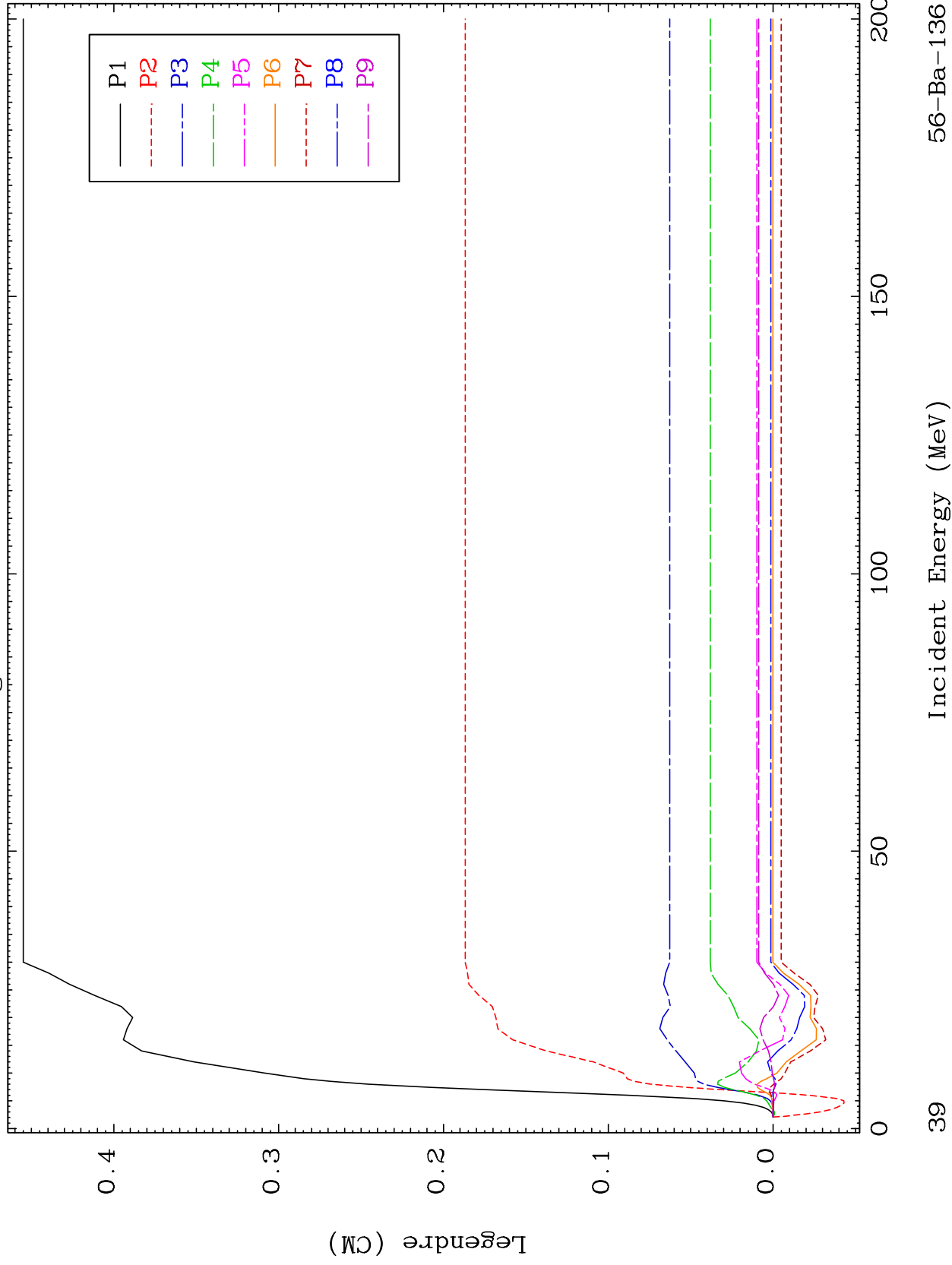
56-Ba-136



MAT 5643

2.054 MeV (n,n') Level
Legendre Coefficients

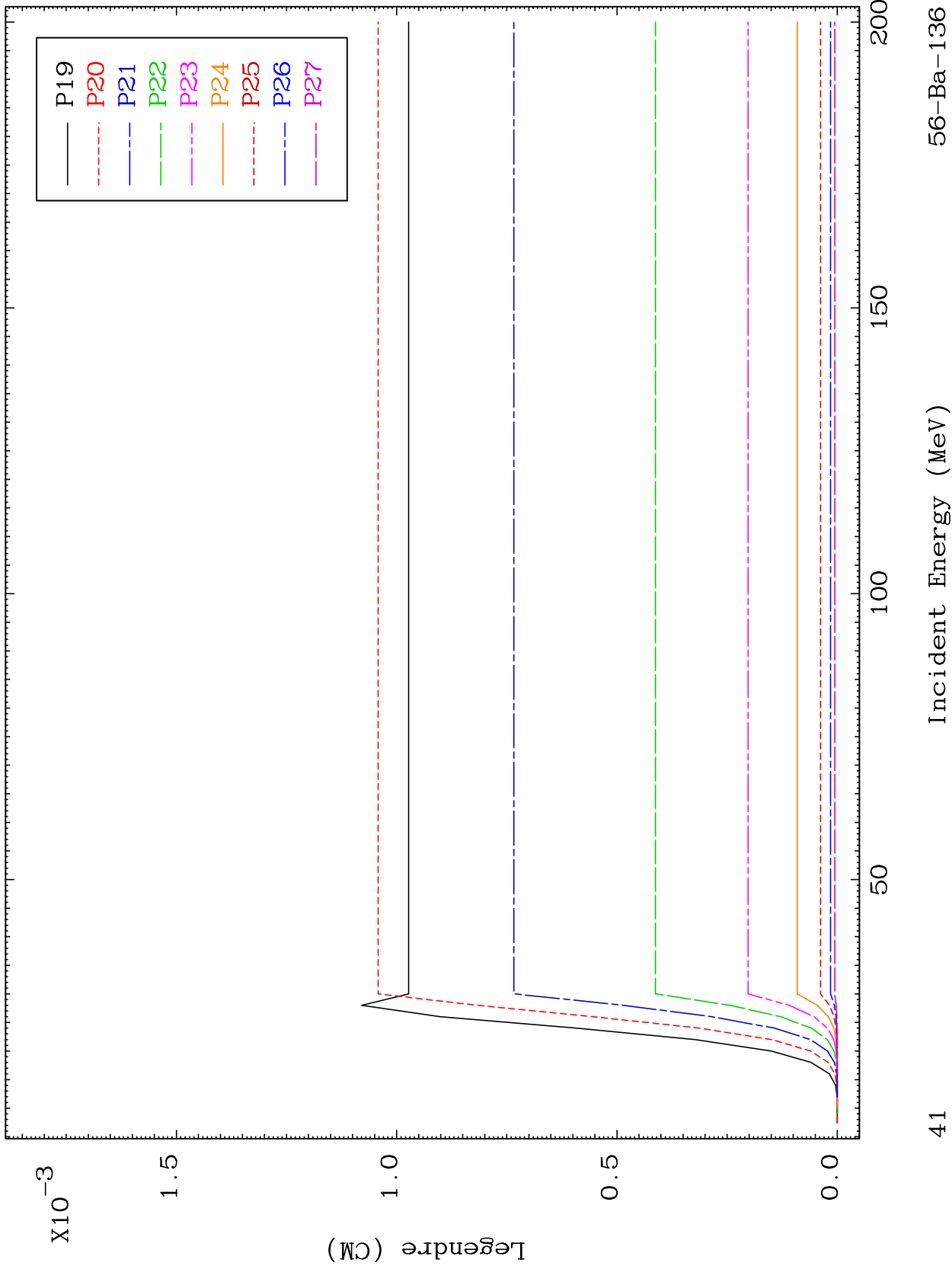
56-Ba-136



56-Ba-136

Incident Energy (MeV)

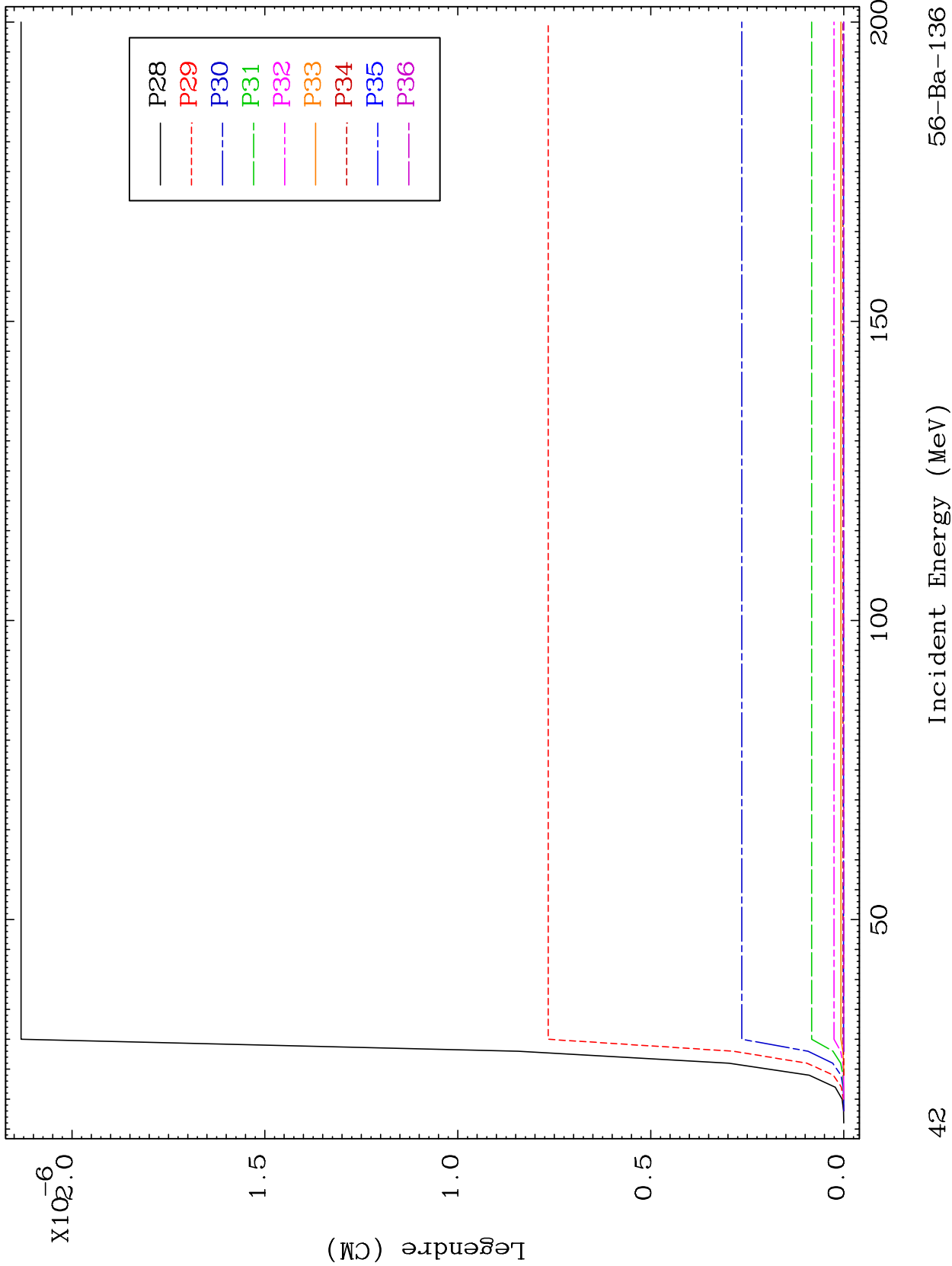
39



MAT 5643

2.054 MeV (n, n') Level
Legendre Coefficients

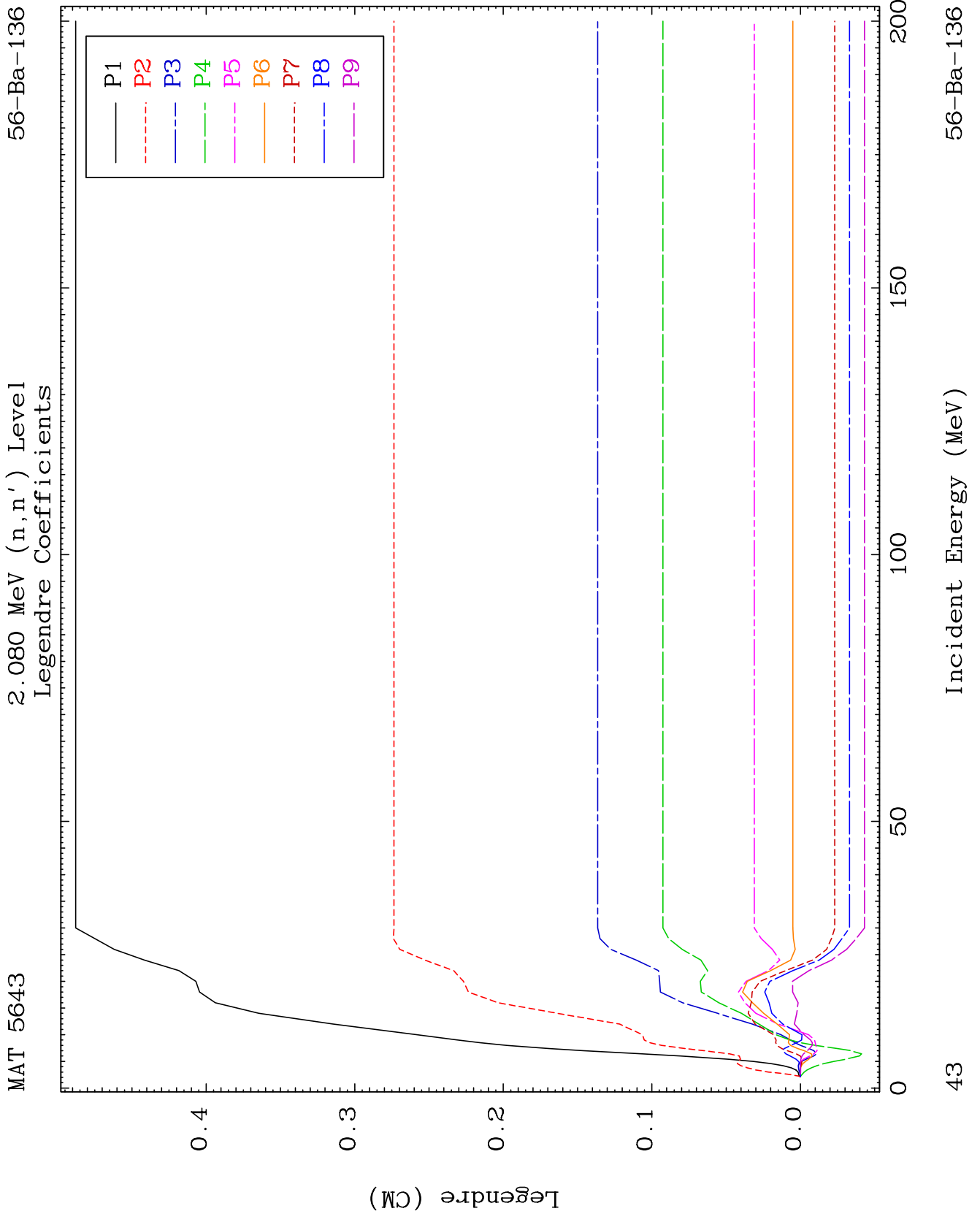
56-Ba-136



42

Incident Energy (MeV)

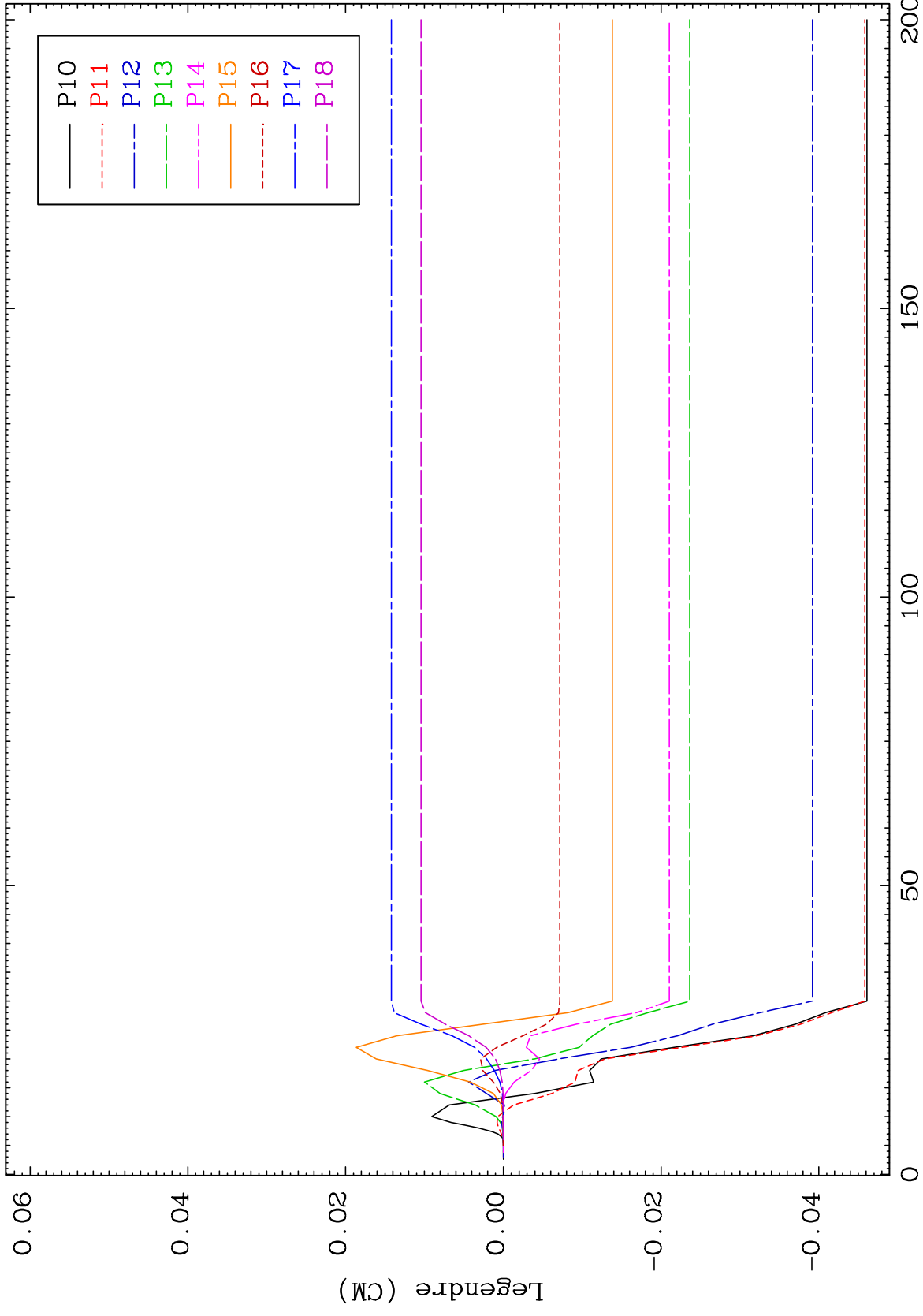
56-Ba-136



MAT 5643

2.080 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



44

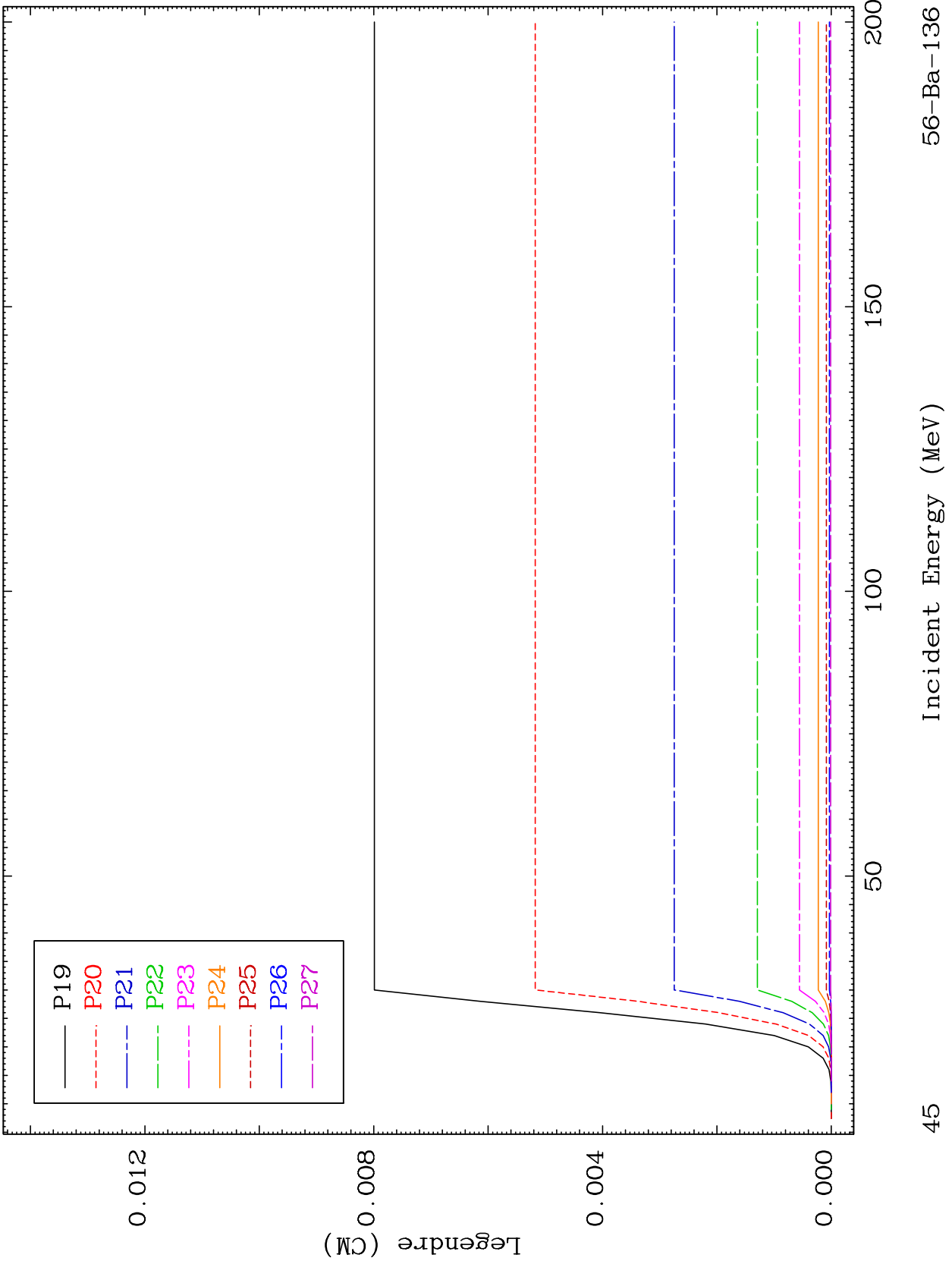
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.080 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



45

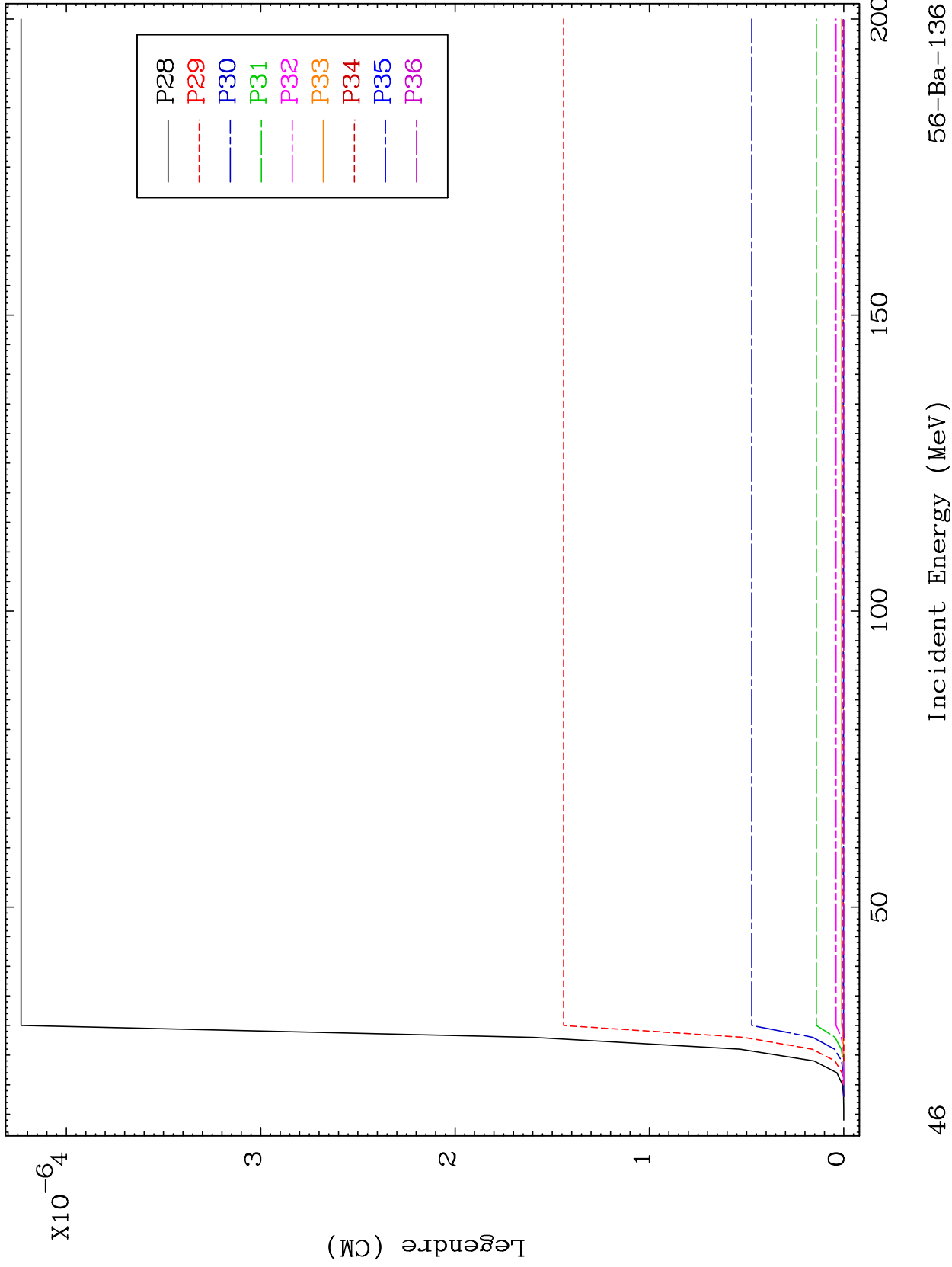
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.080 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



46

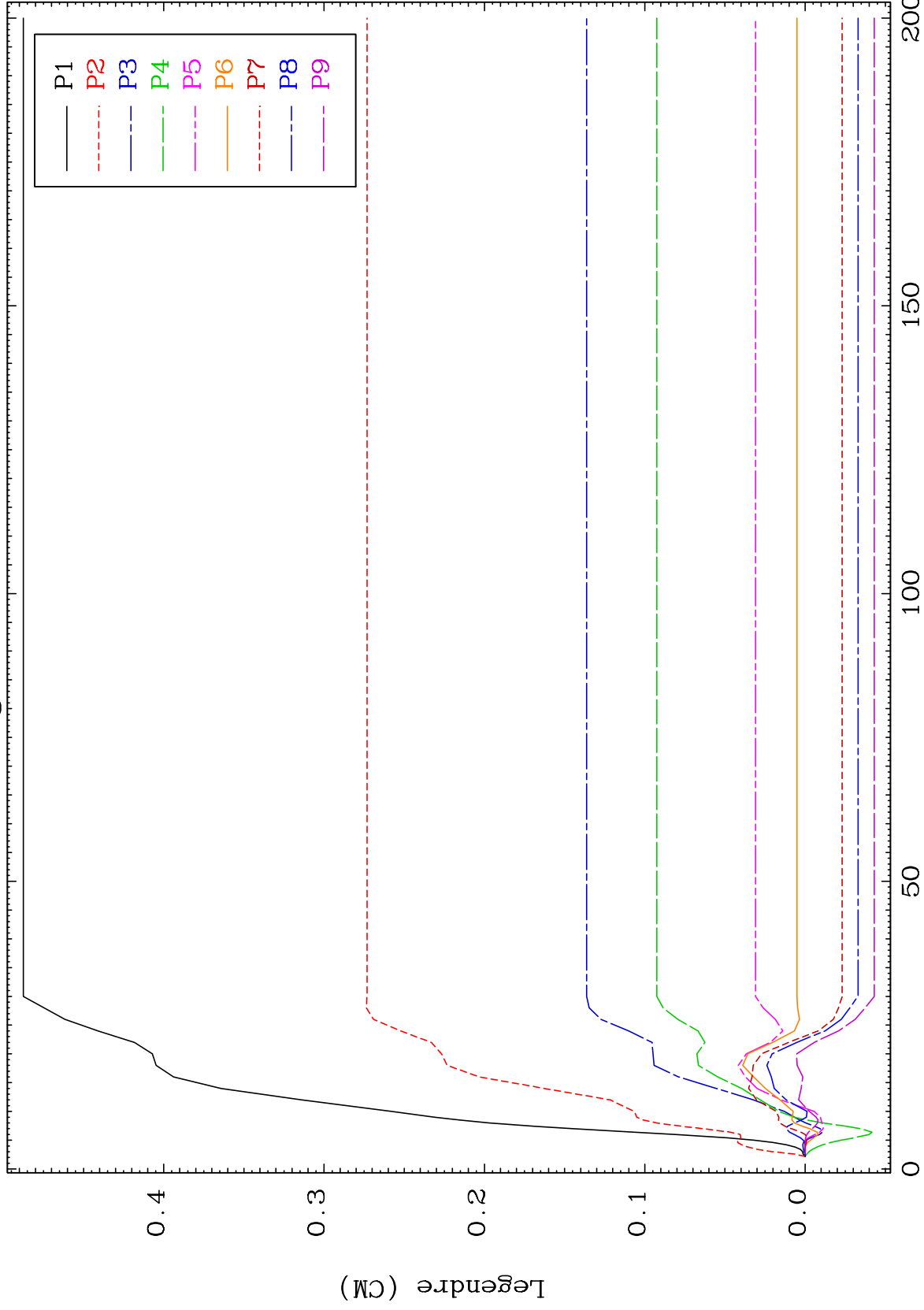
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.129 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



47

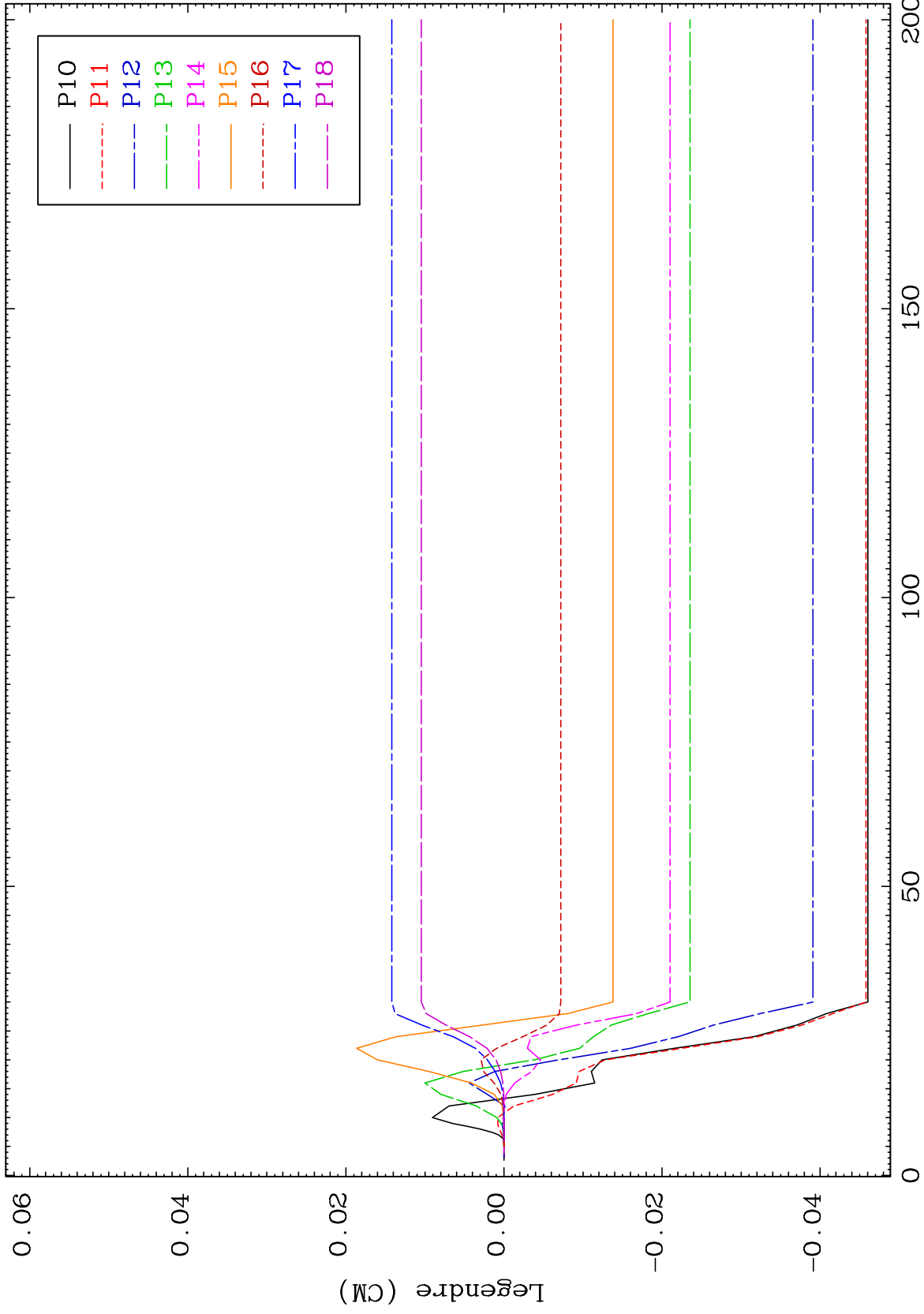
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.129 MeV (n,n') Level
Legendre Coefficients

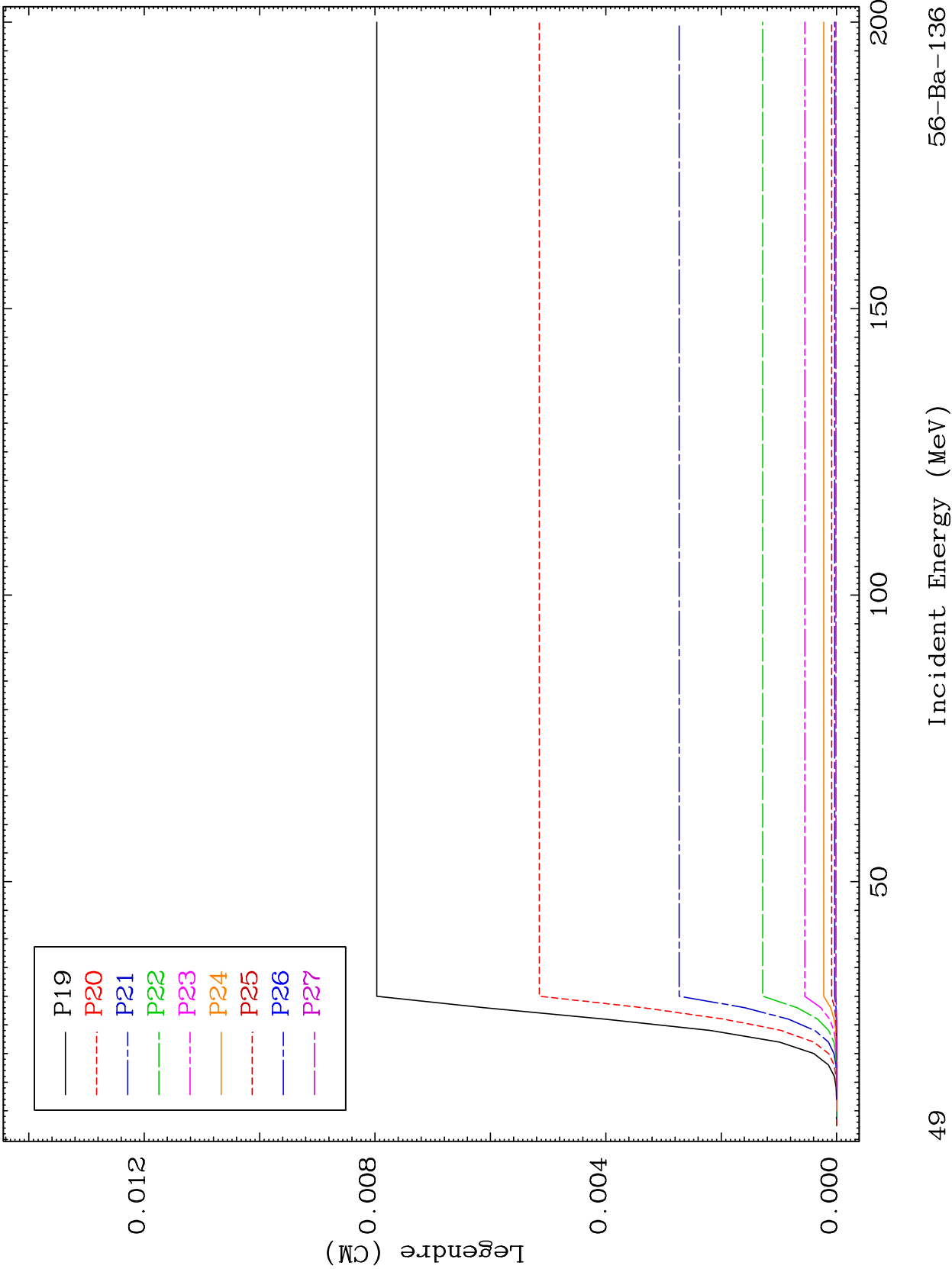
56-Ba-136



48

Incident Energy (MeV)

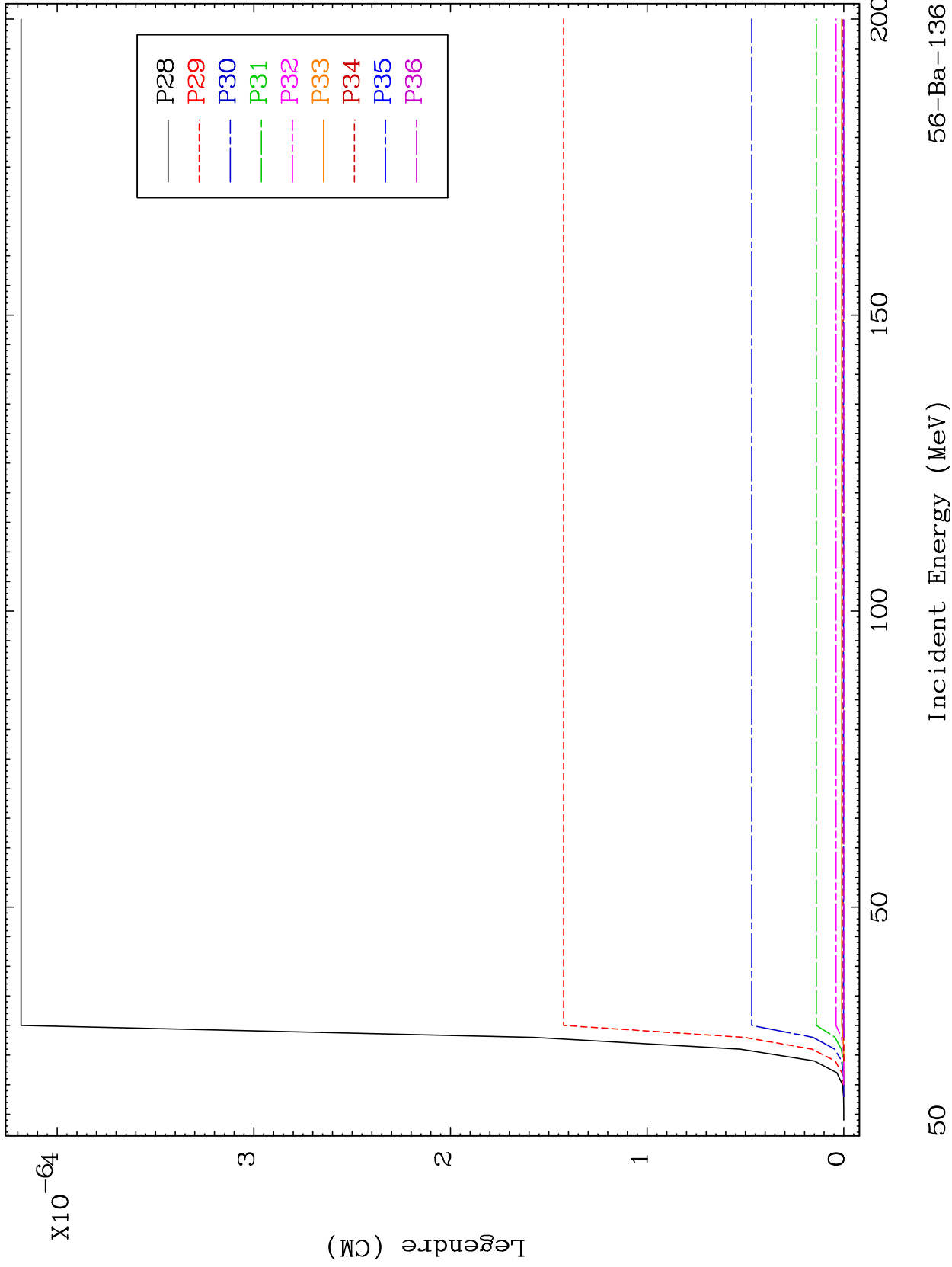
56-Ba-136



MAT 5643

2.129 MeV (n, n') Level
Legendre Coefficients

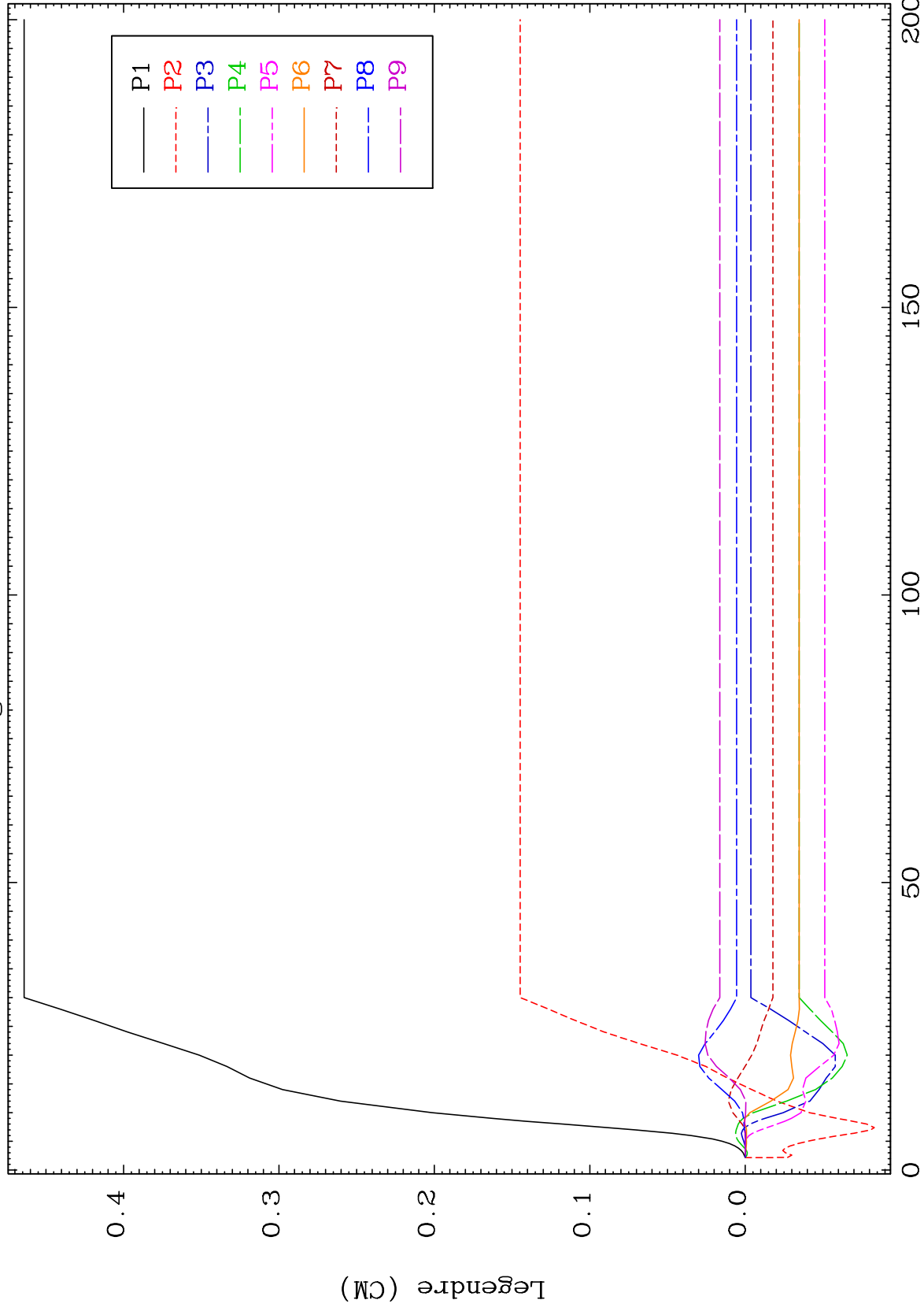
56-Ba-136



MAT 5643

2.140 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



51

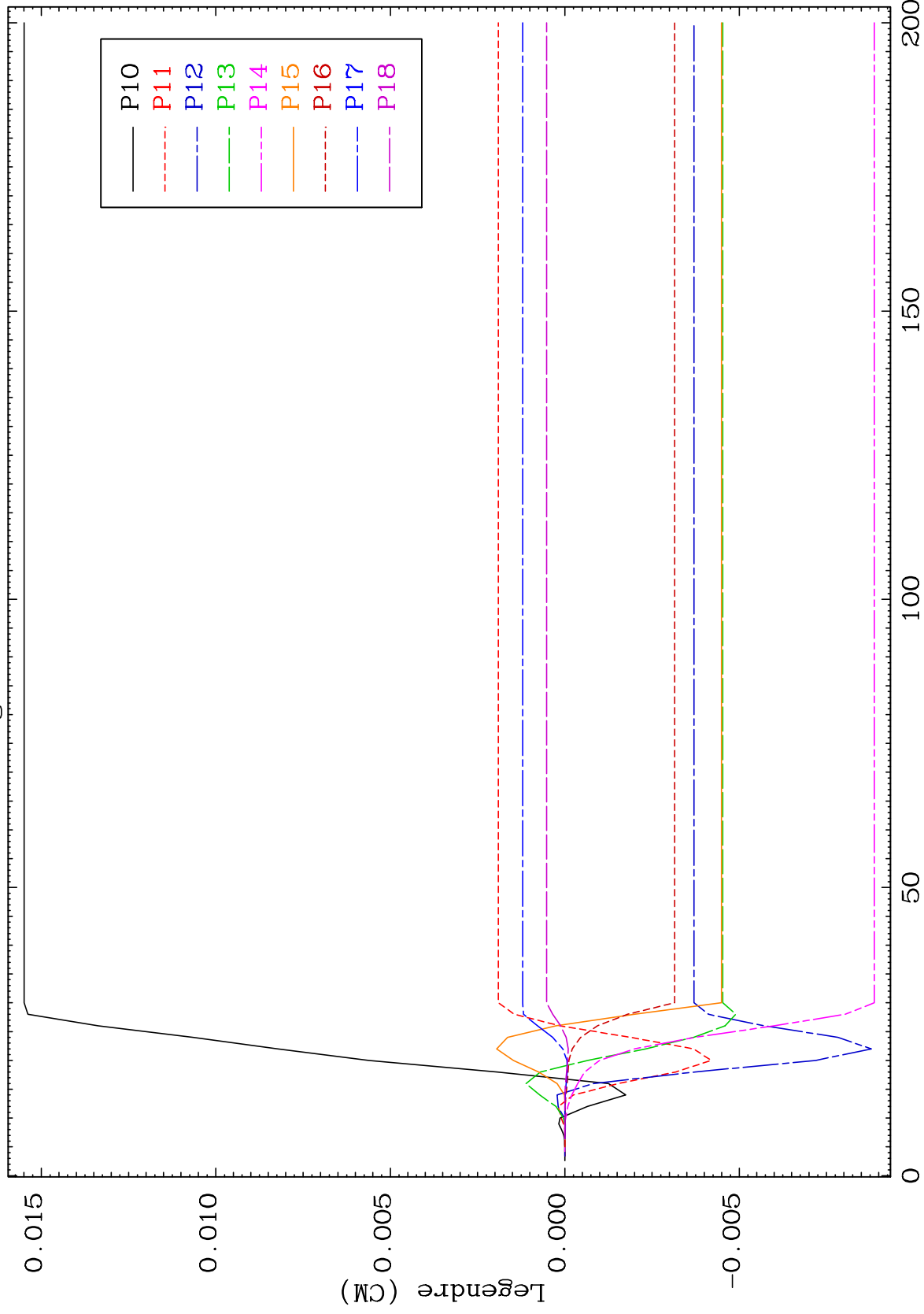
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.140 MeV (n,n') Level
Legendre Coefficients

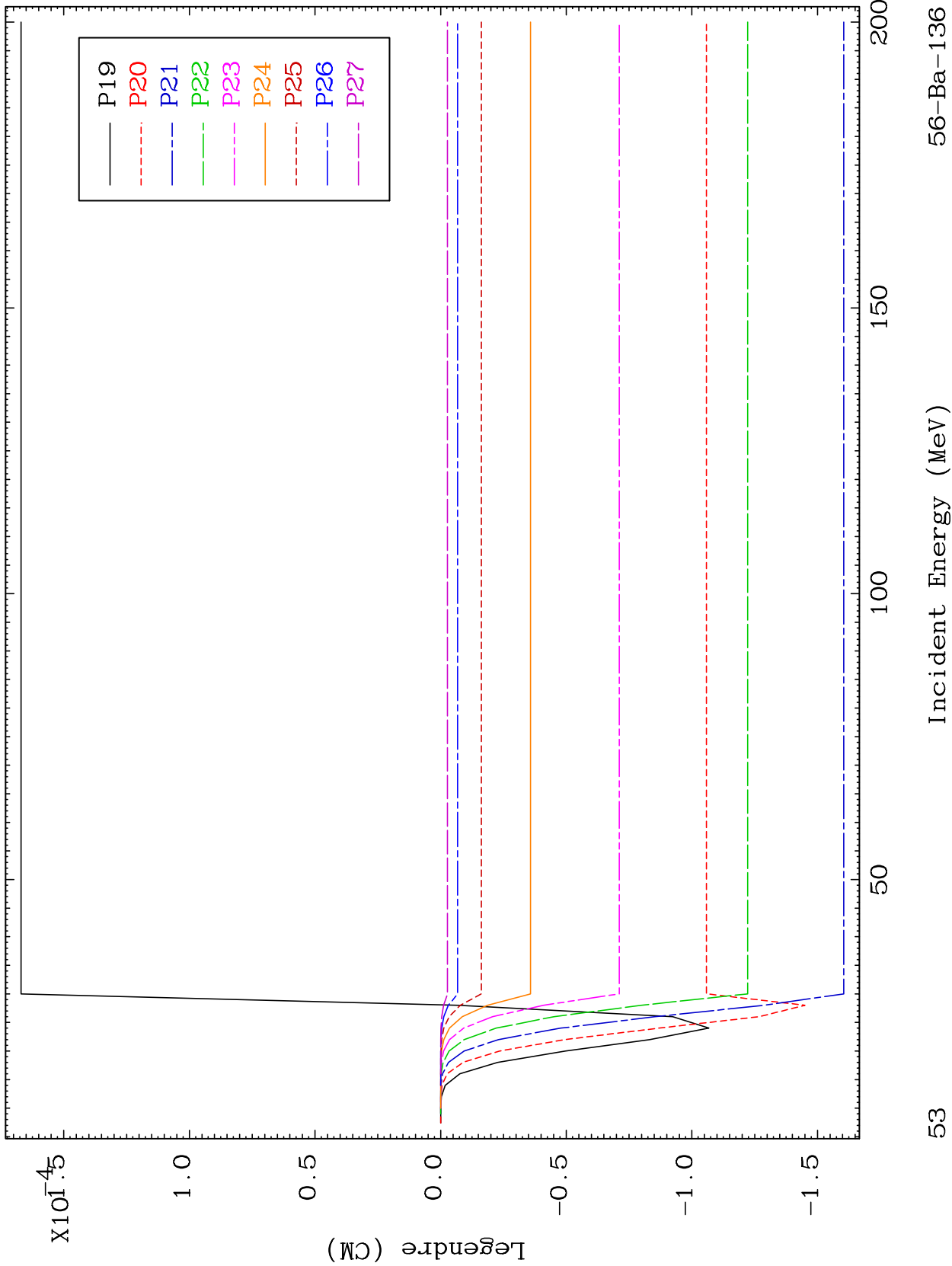
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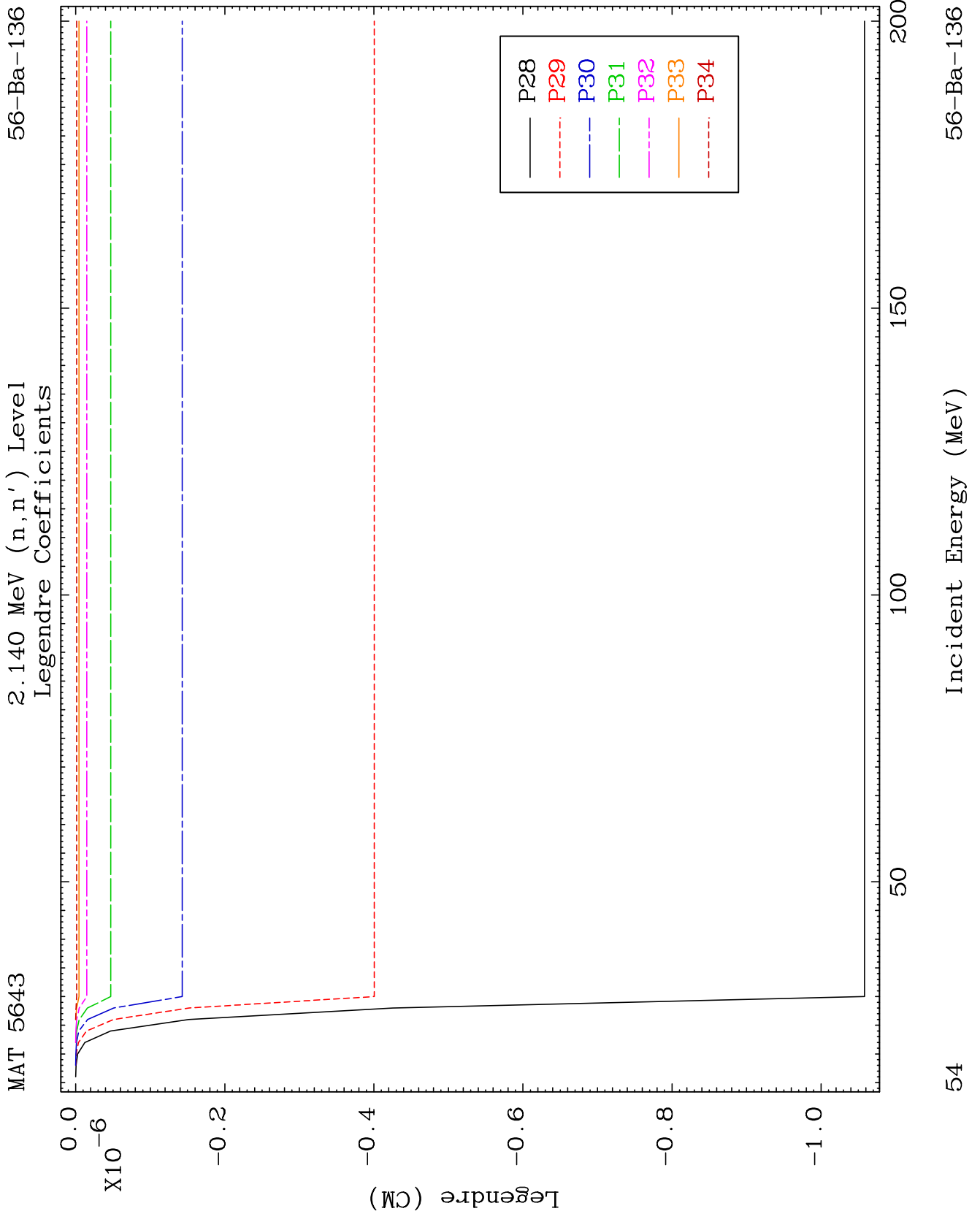


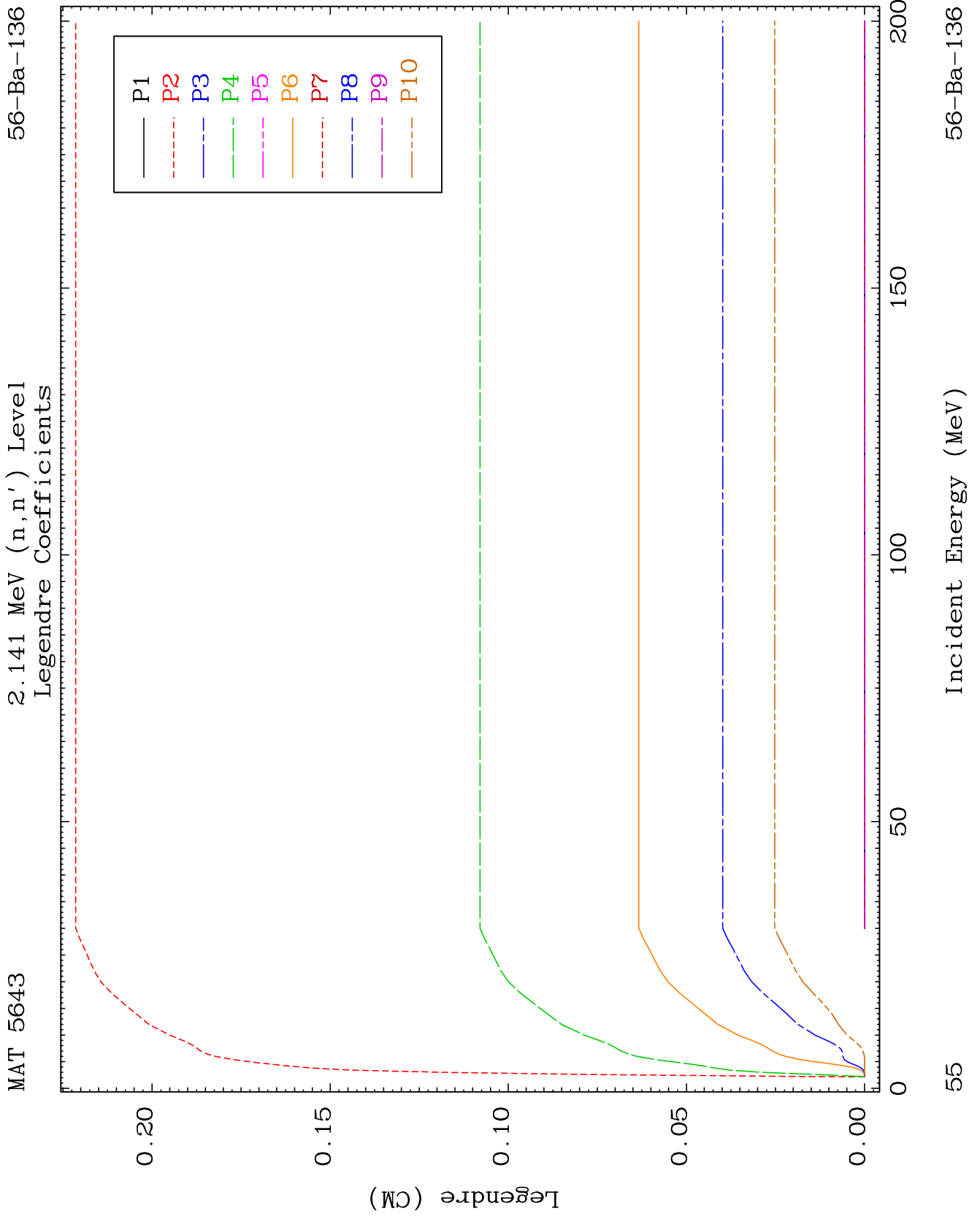
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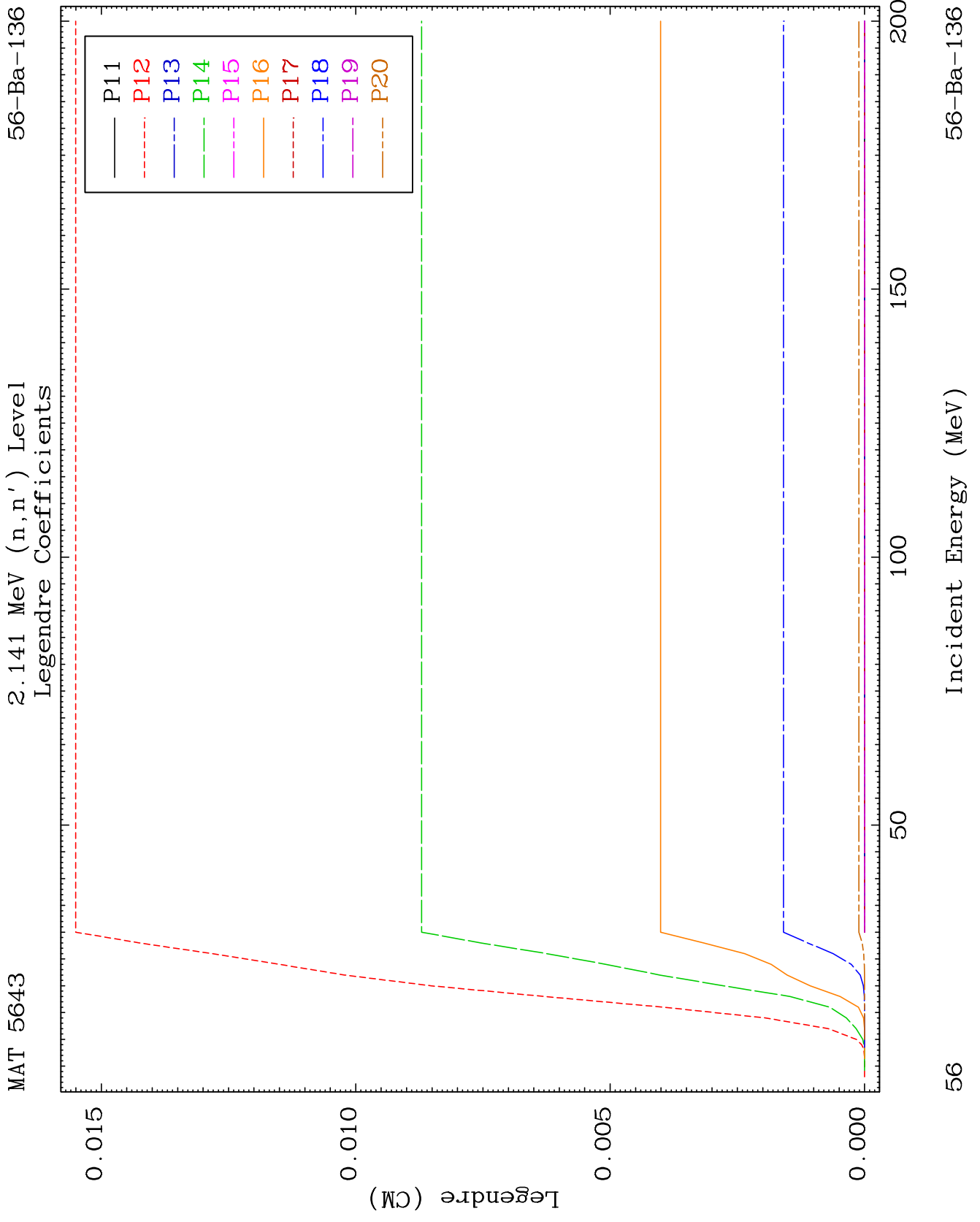
Incident Energy (MeV)

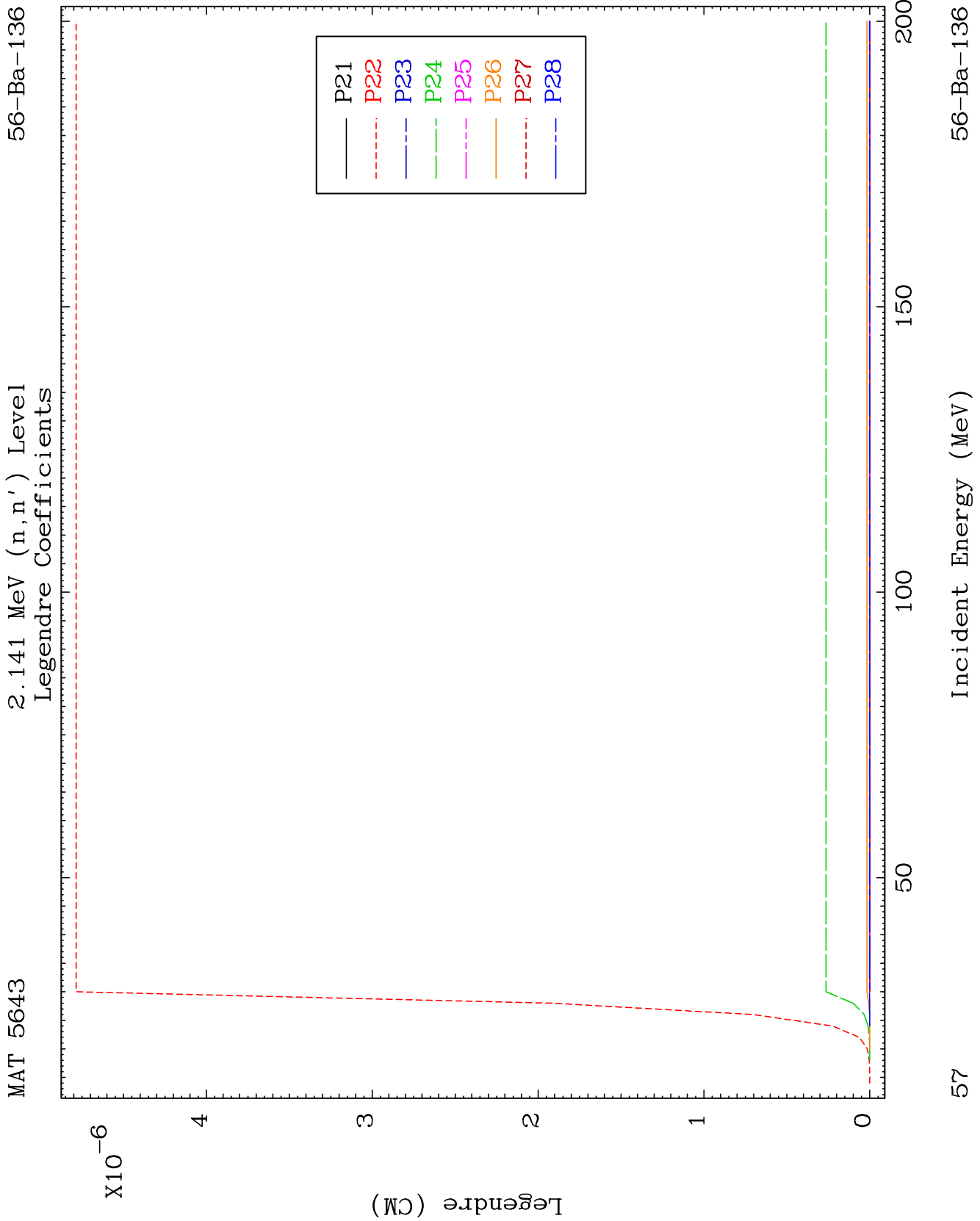
56-Ba-136







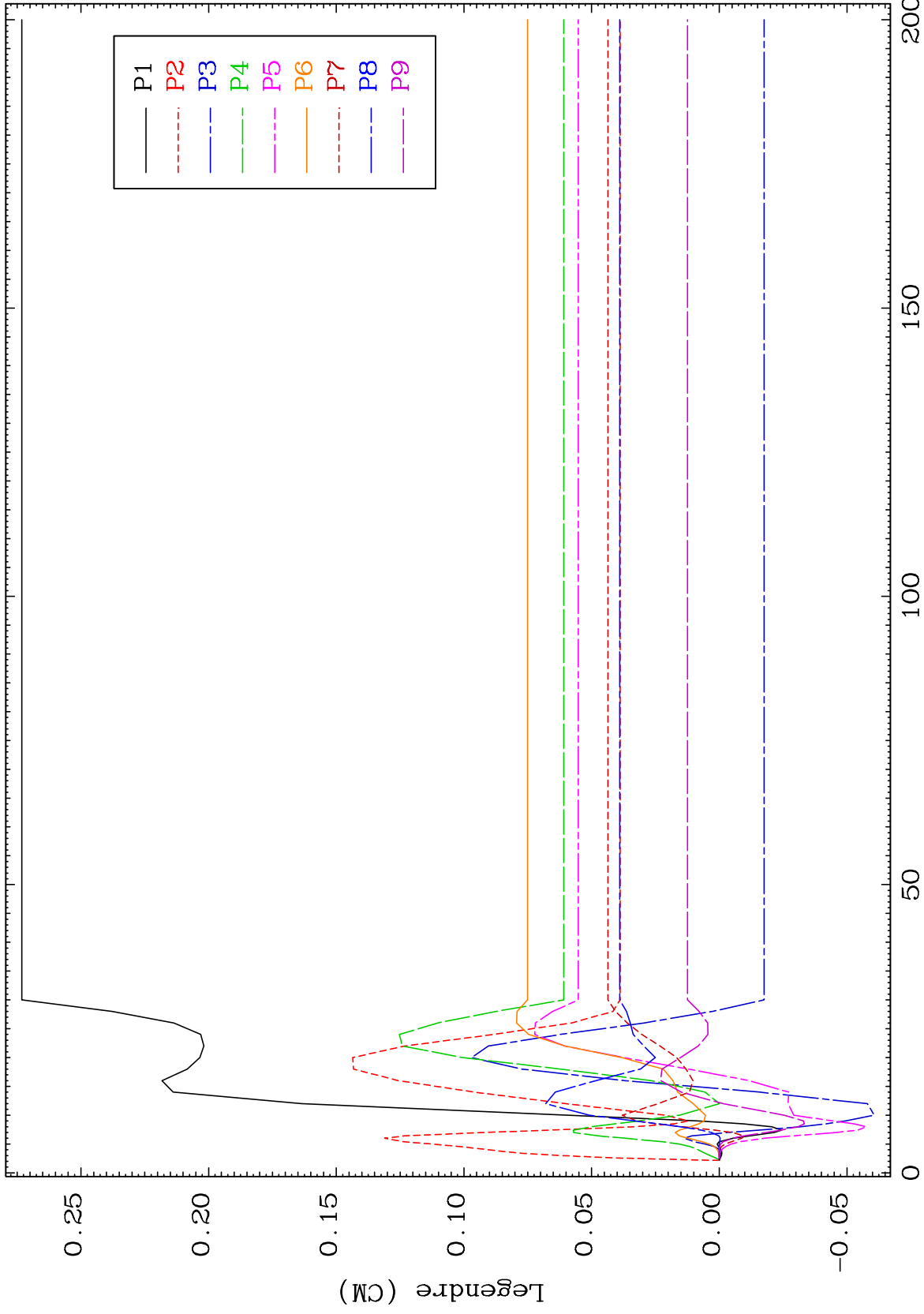




MAT 5643

2.154 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



58

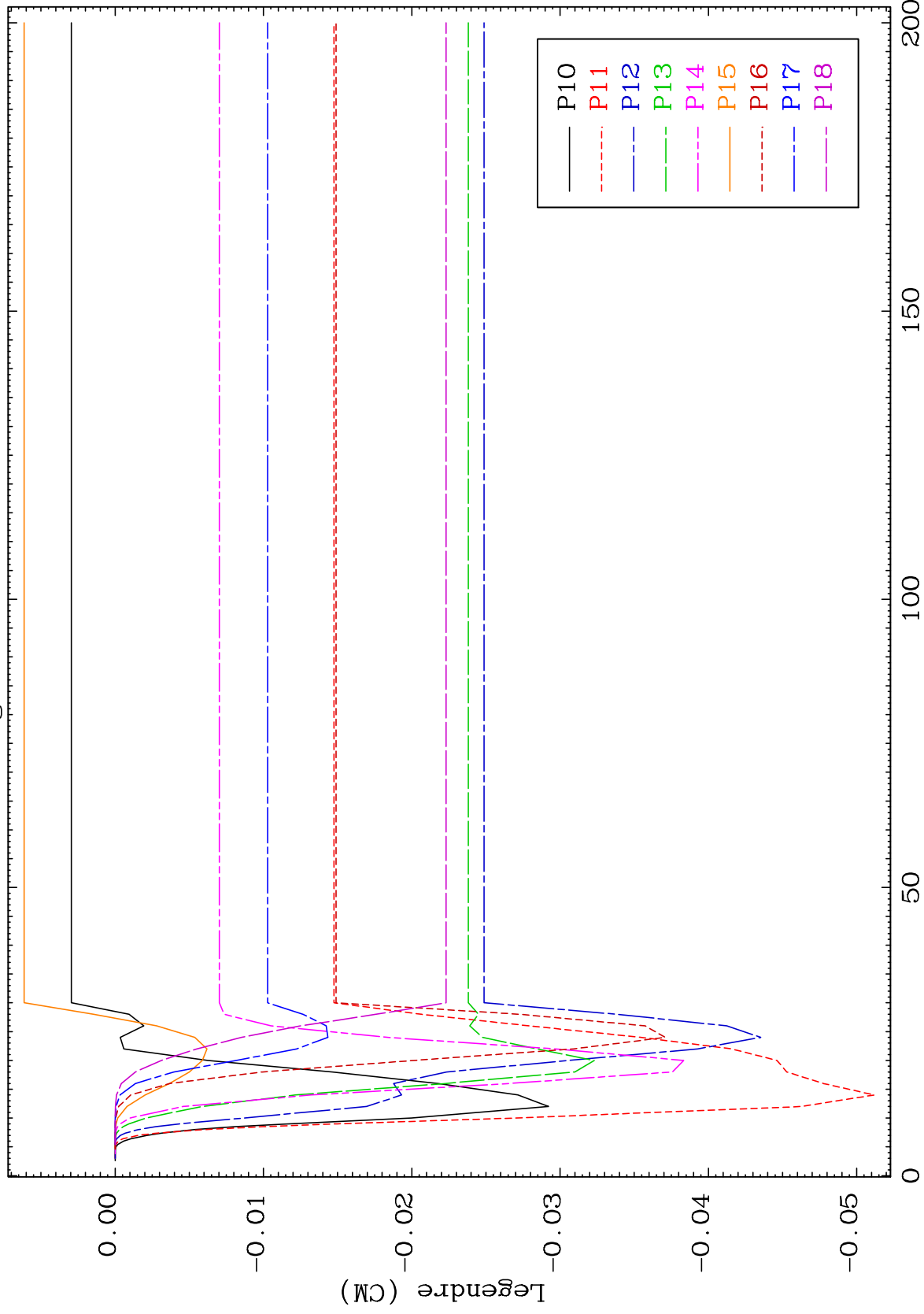
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.154 MeV (n, n') Level
Legendre Coefficients

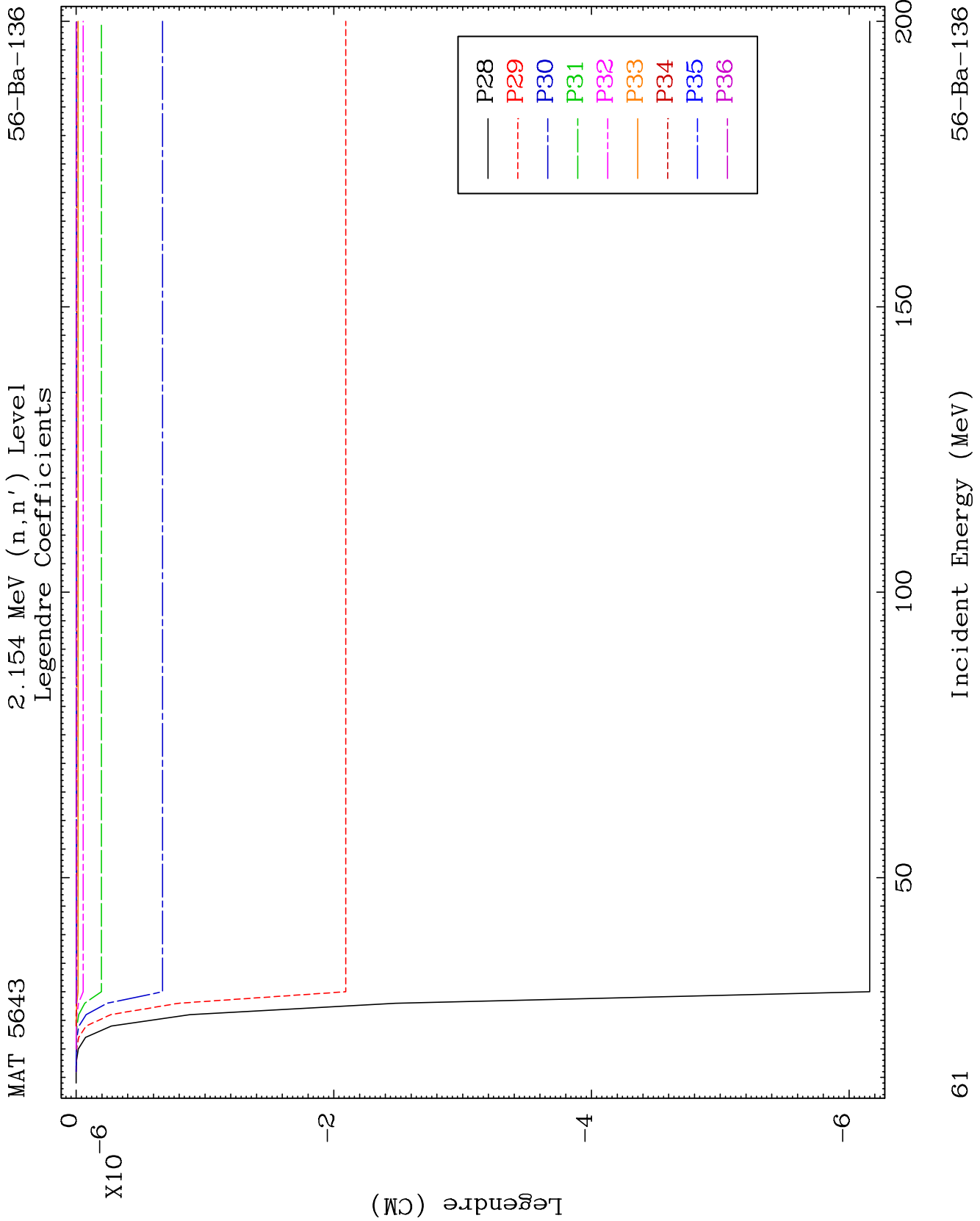
56-Ba-136



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Incident Energy (MeV)

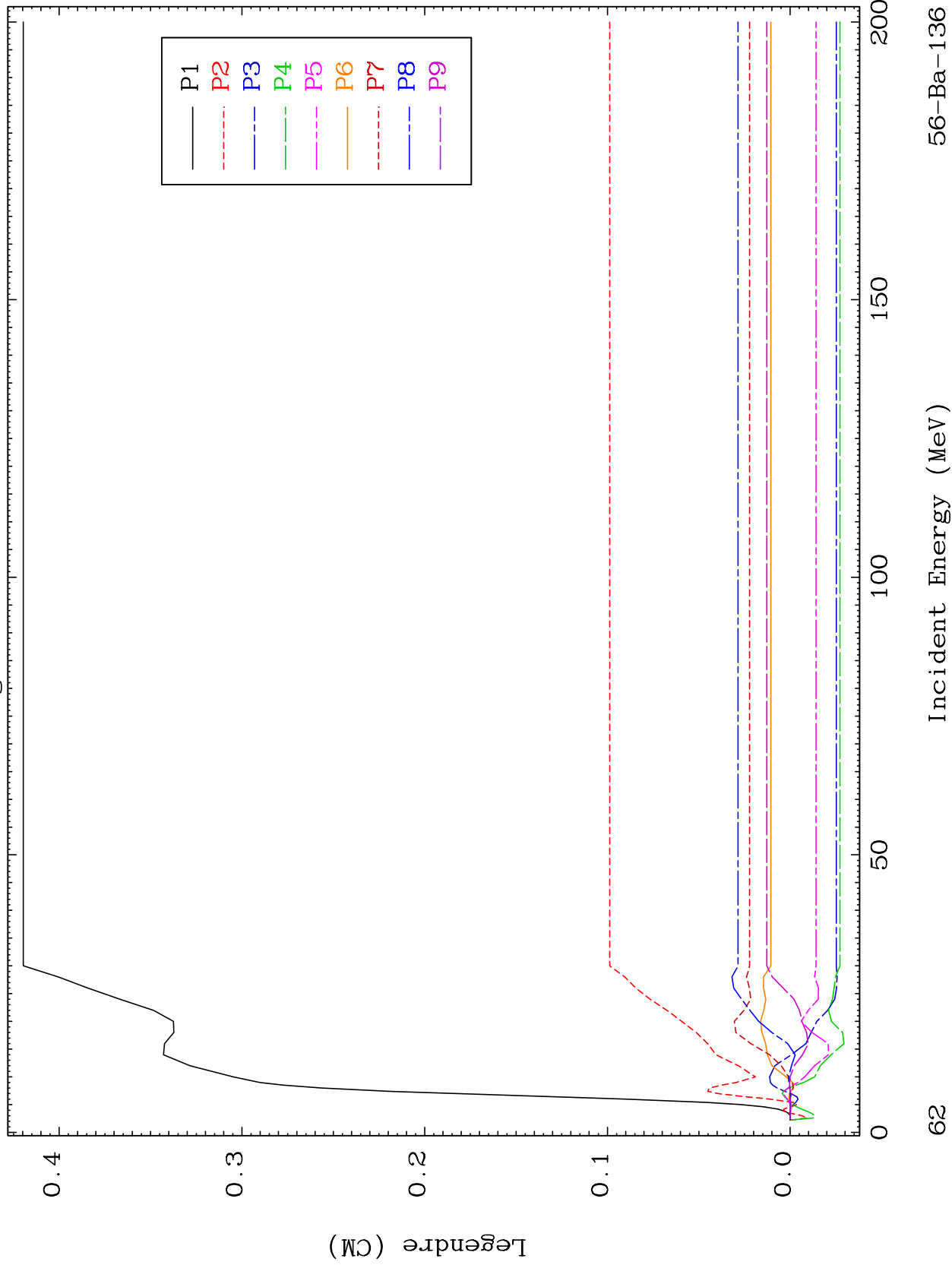
56-Ba-136



MAT 5643

2.207 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



56-Ba-136

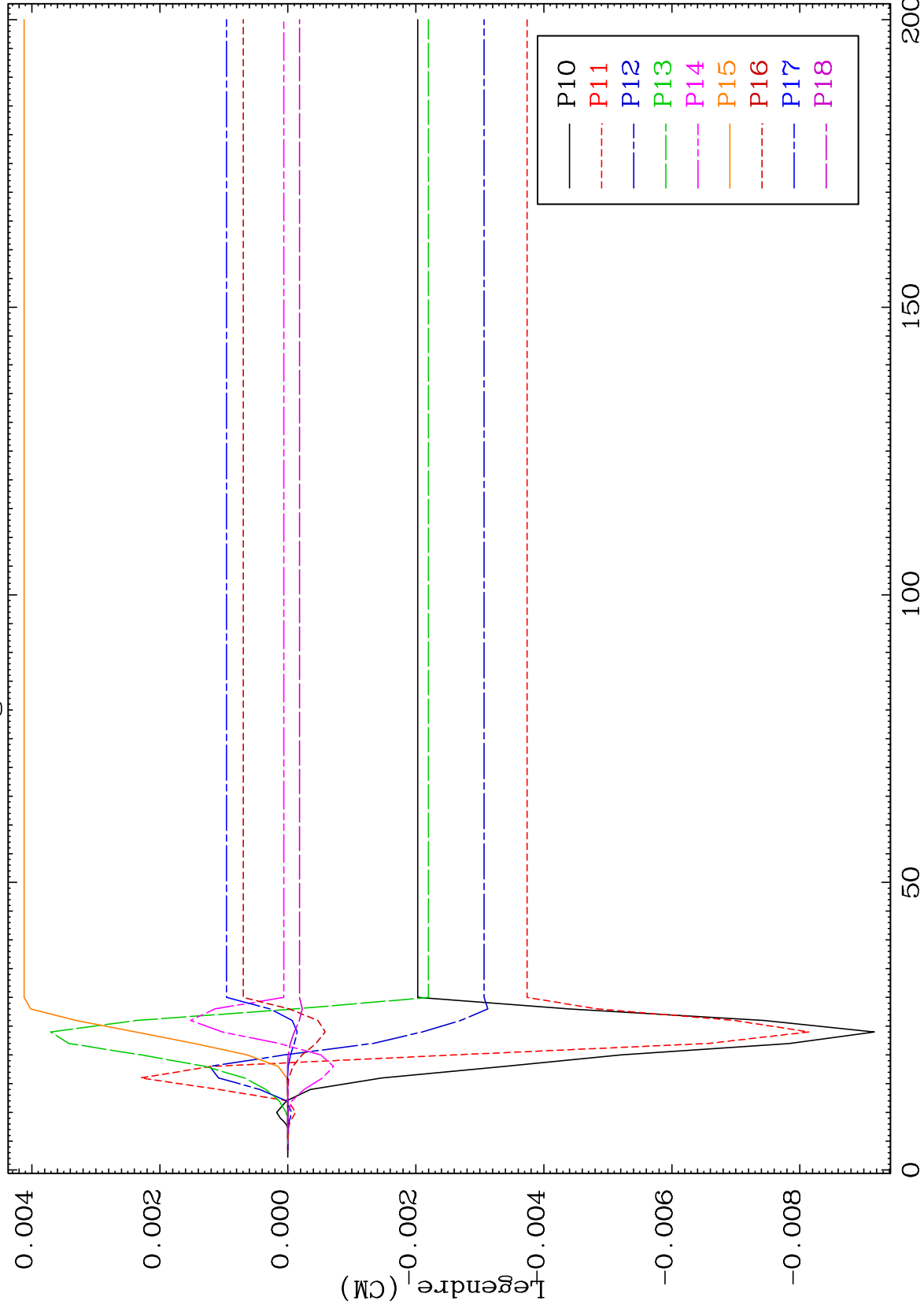
Incident Energy (MeV)

62

MAT 5643

2.207 MeV (n,n') Level
Legendre Coefficients

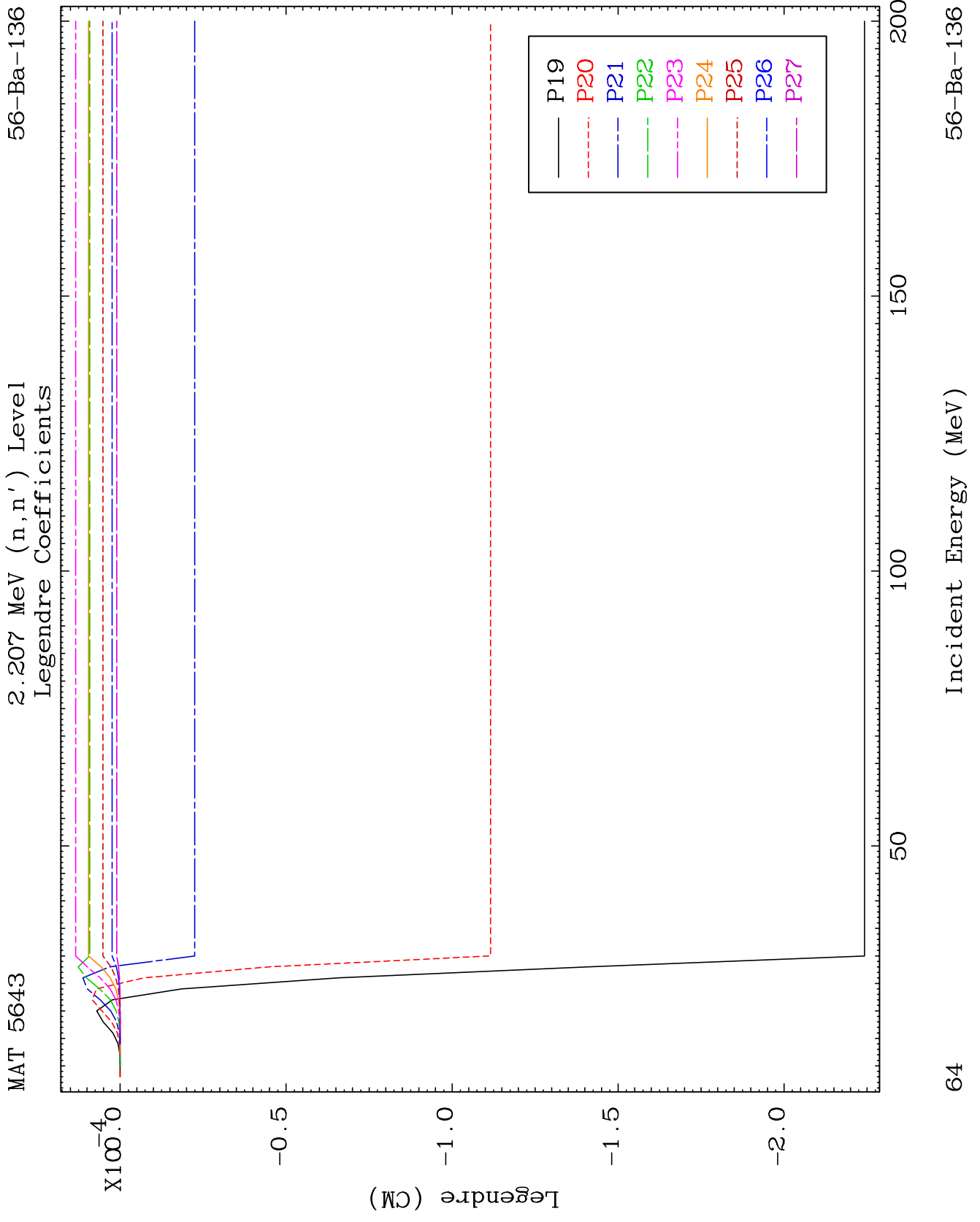
56-Ba-136



63

Incident Energy (MeV)

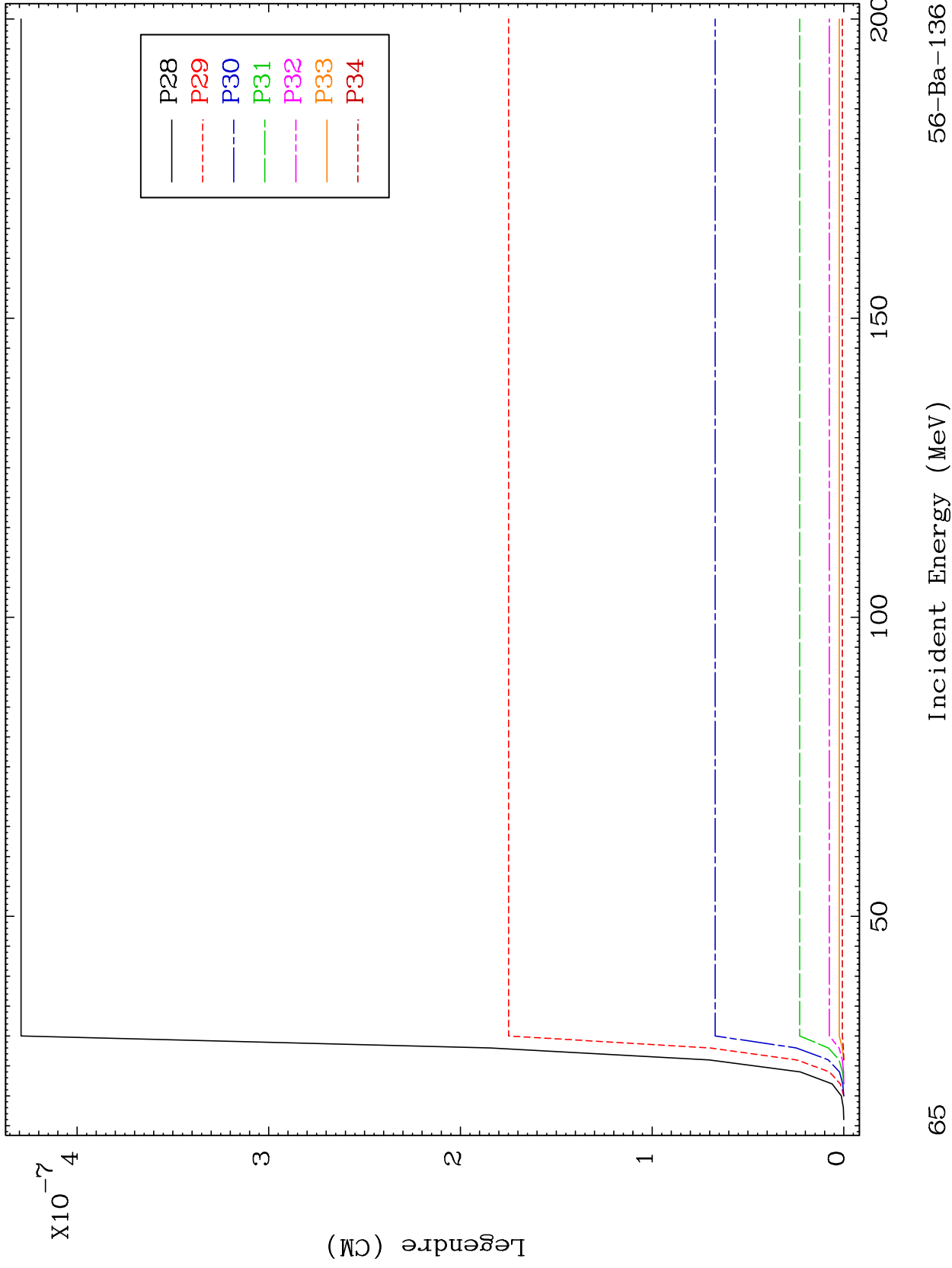
56-Ba-136



MAT 5643

2.207 MeV (n, n') Level
Legendre Coefficients

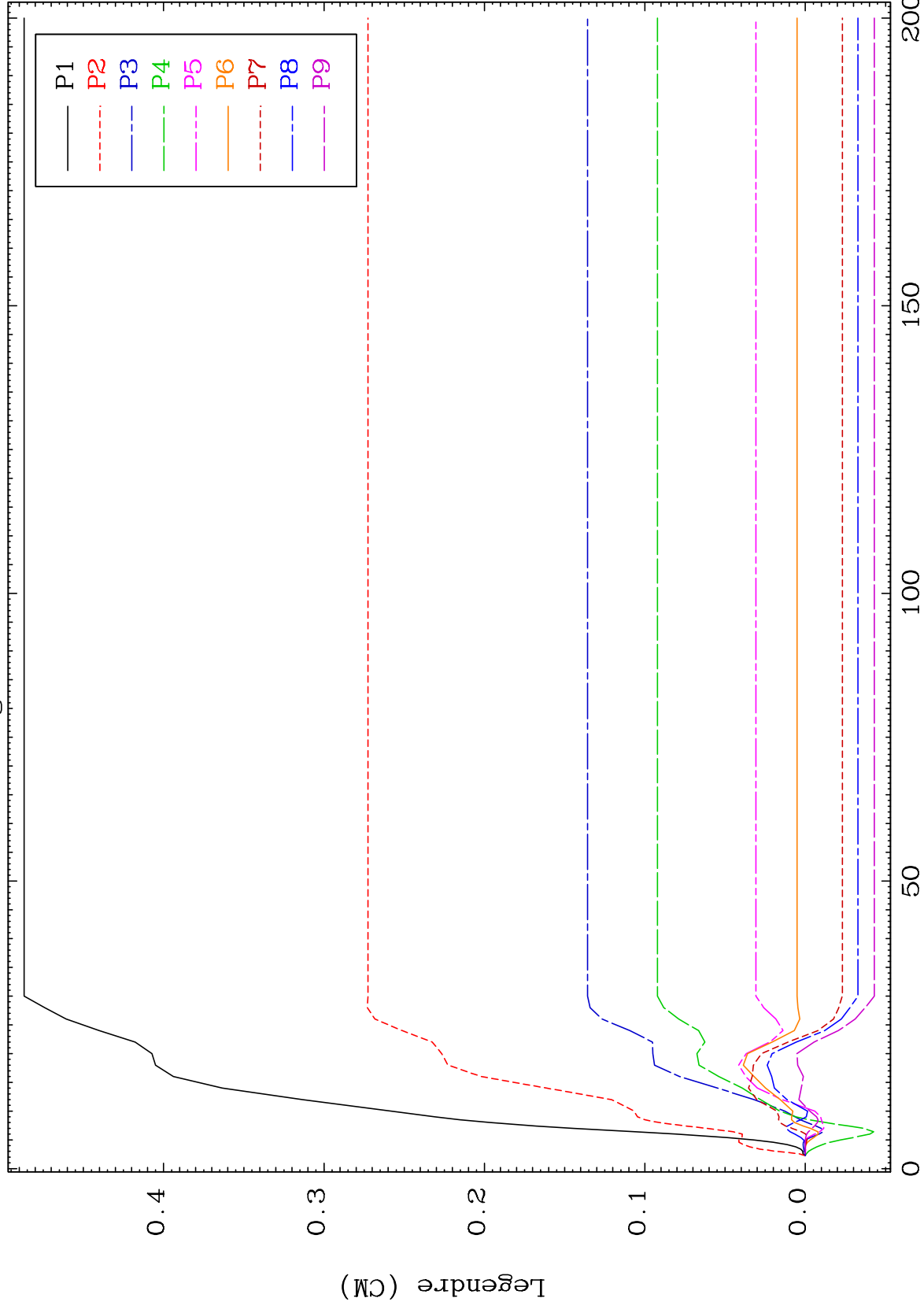
56-Ba-136



MAT 5643

2.223 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



66

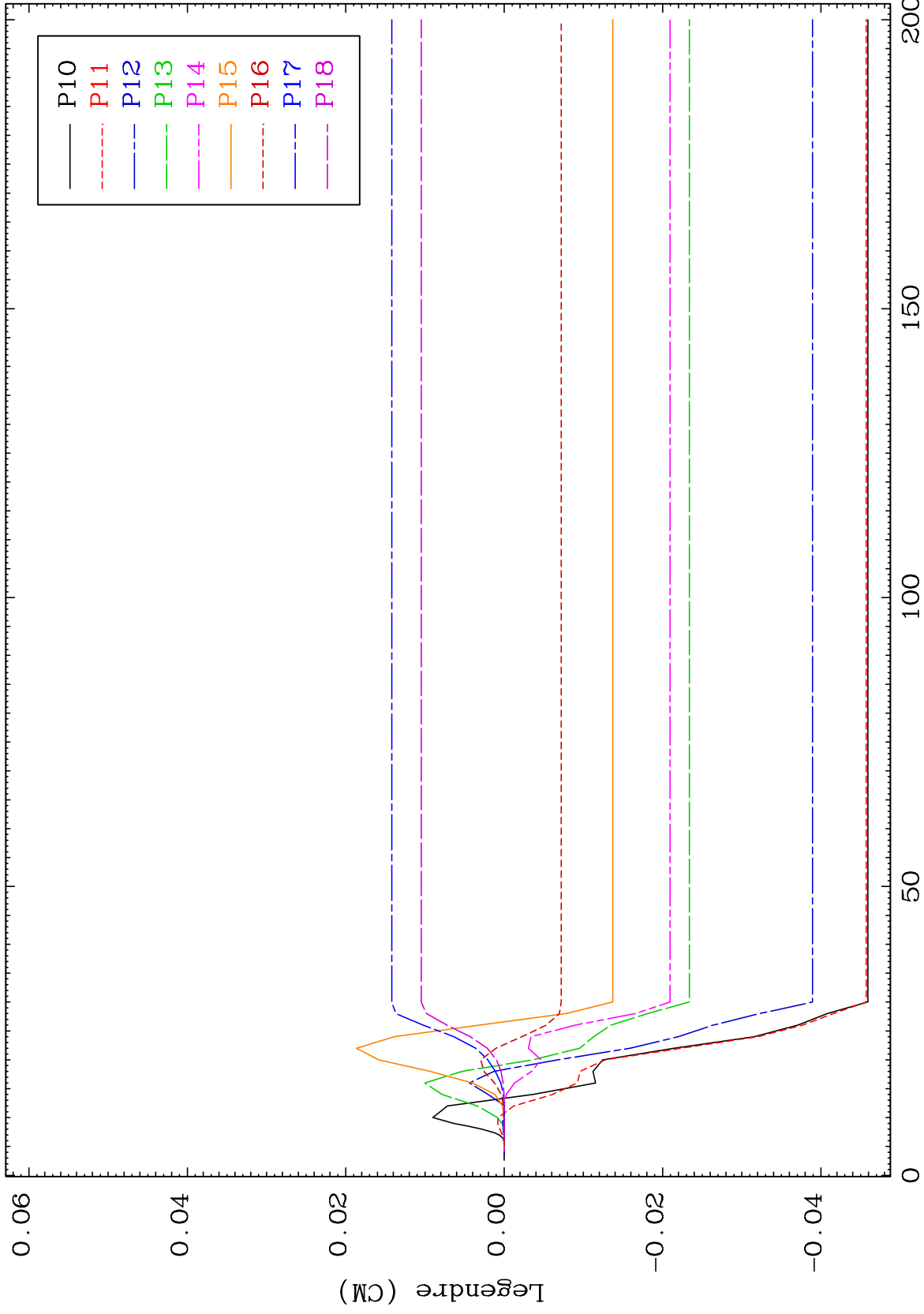
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.223 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



67

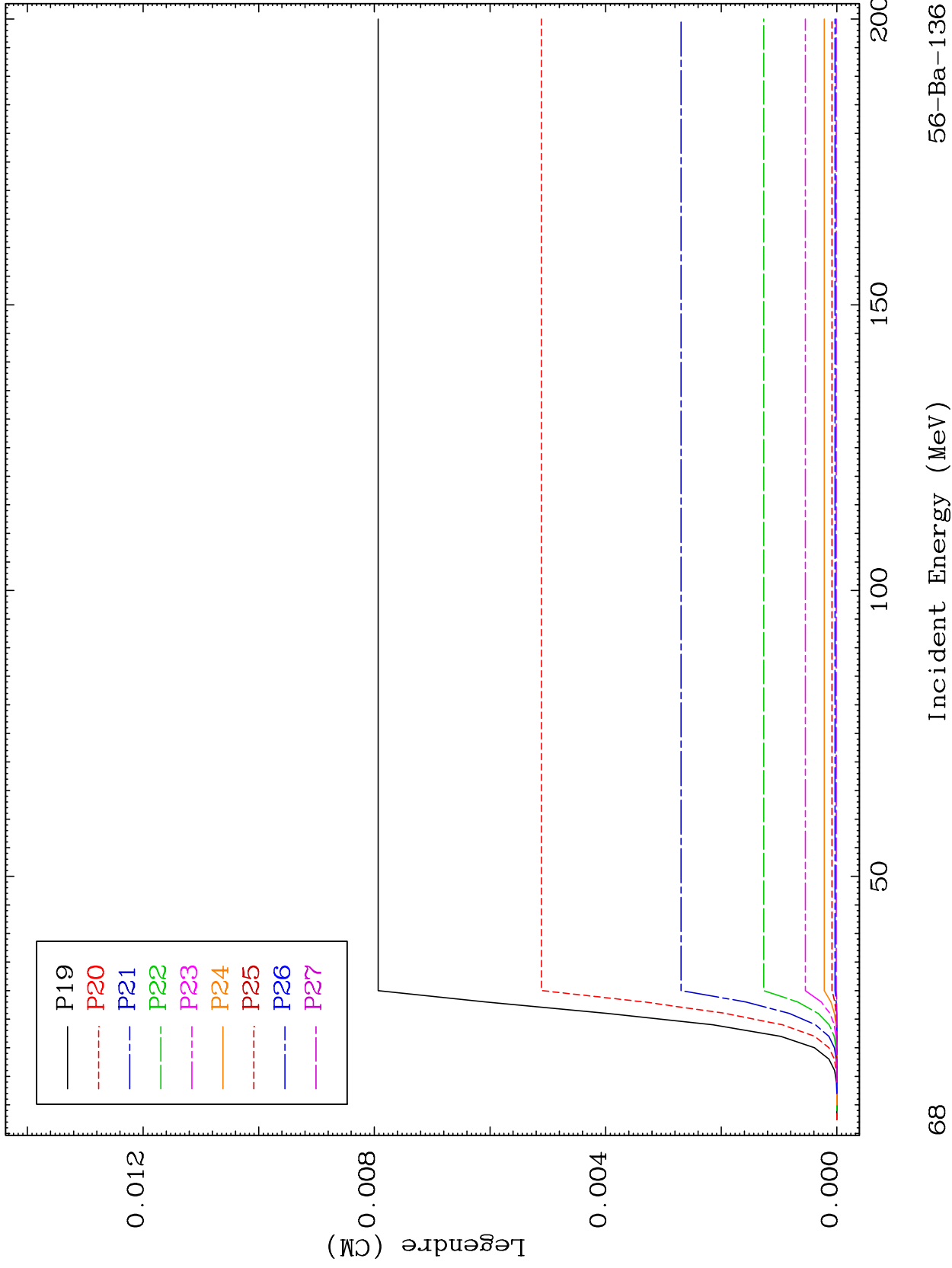
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.223 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



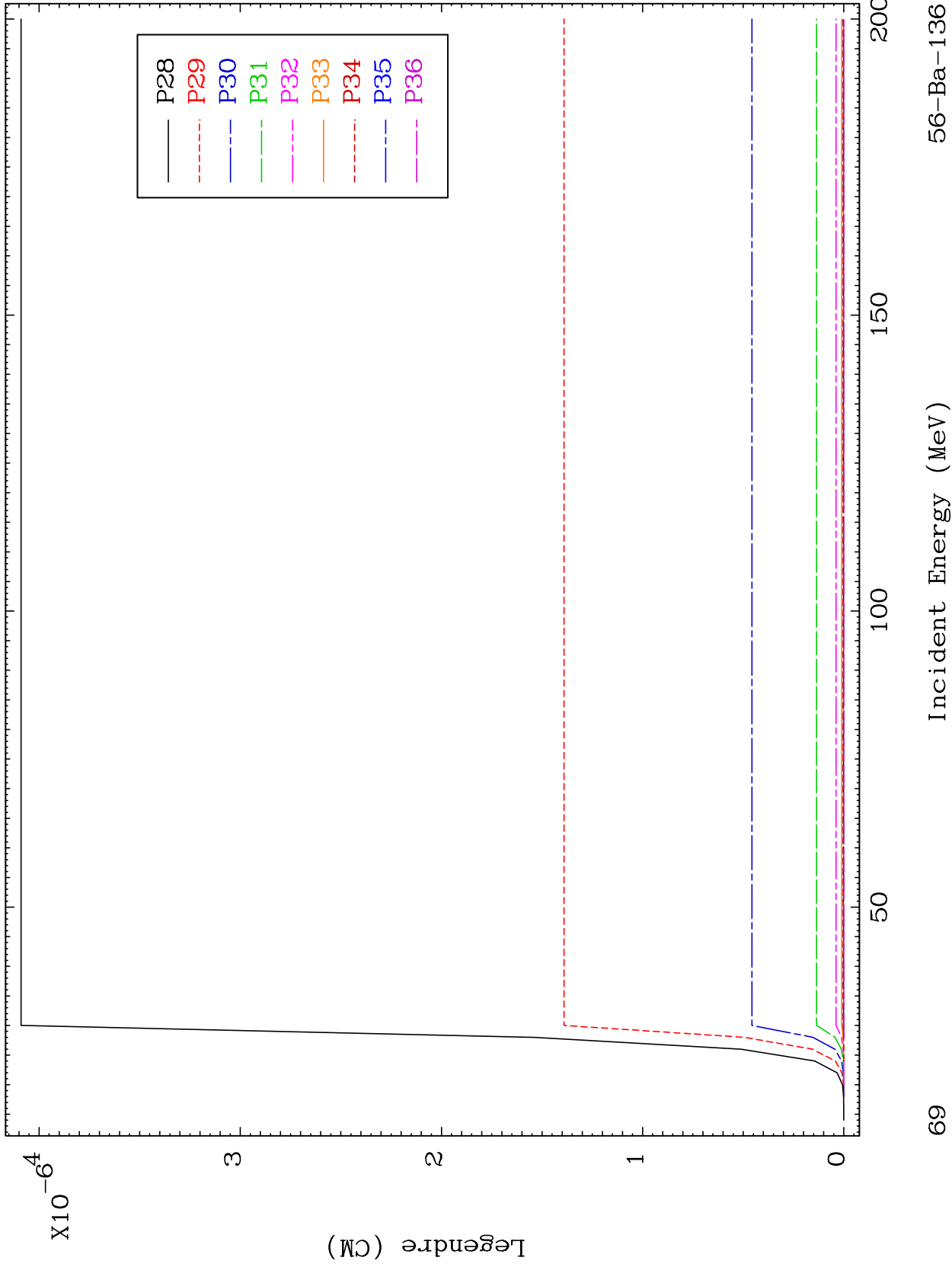
68

56-Ba-136

MAT 5643

2.223 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



69

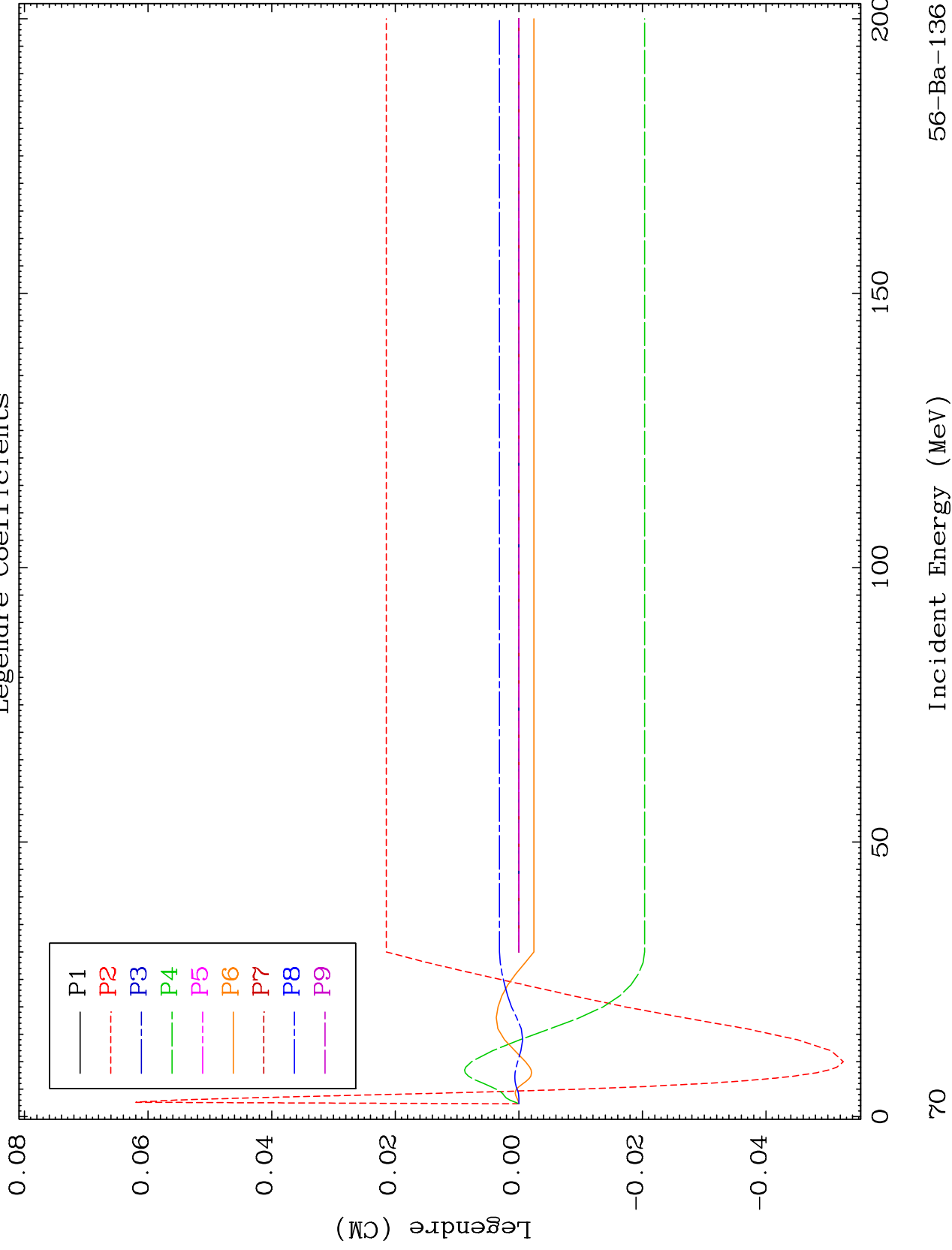
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.299 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



56-Ba-136

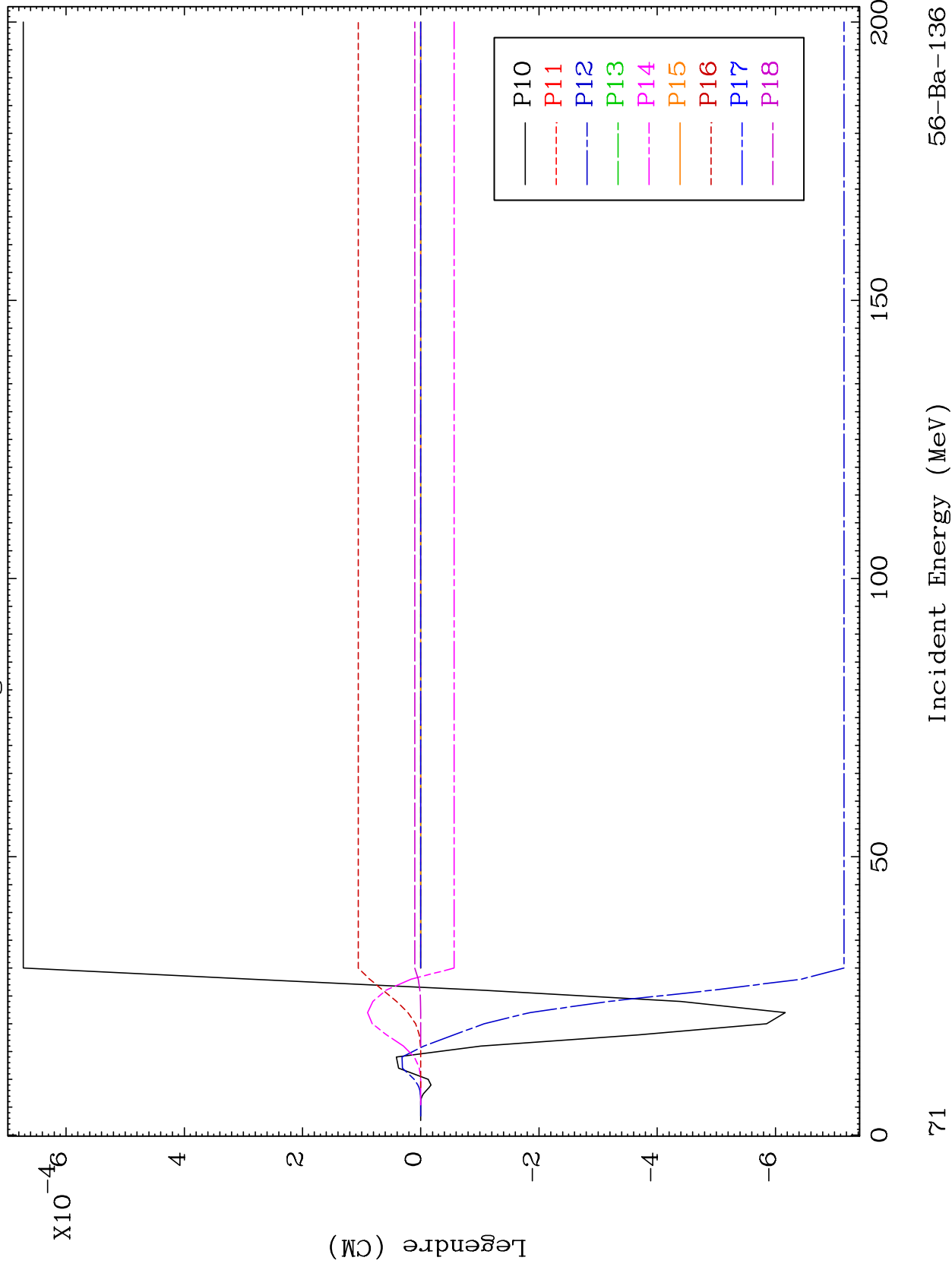
Incident Energy (MeV)

70

MAT 5643

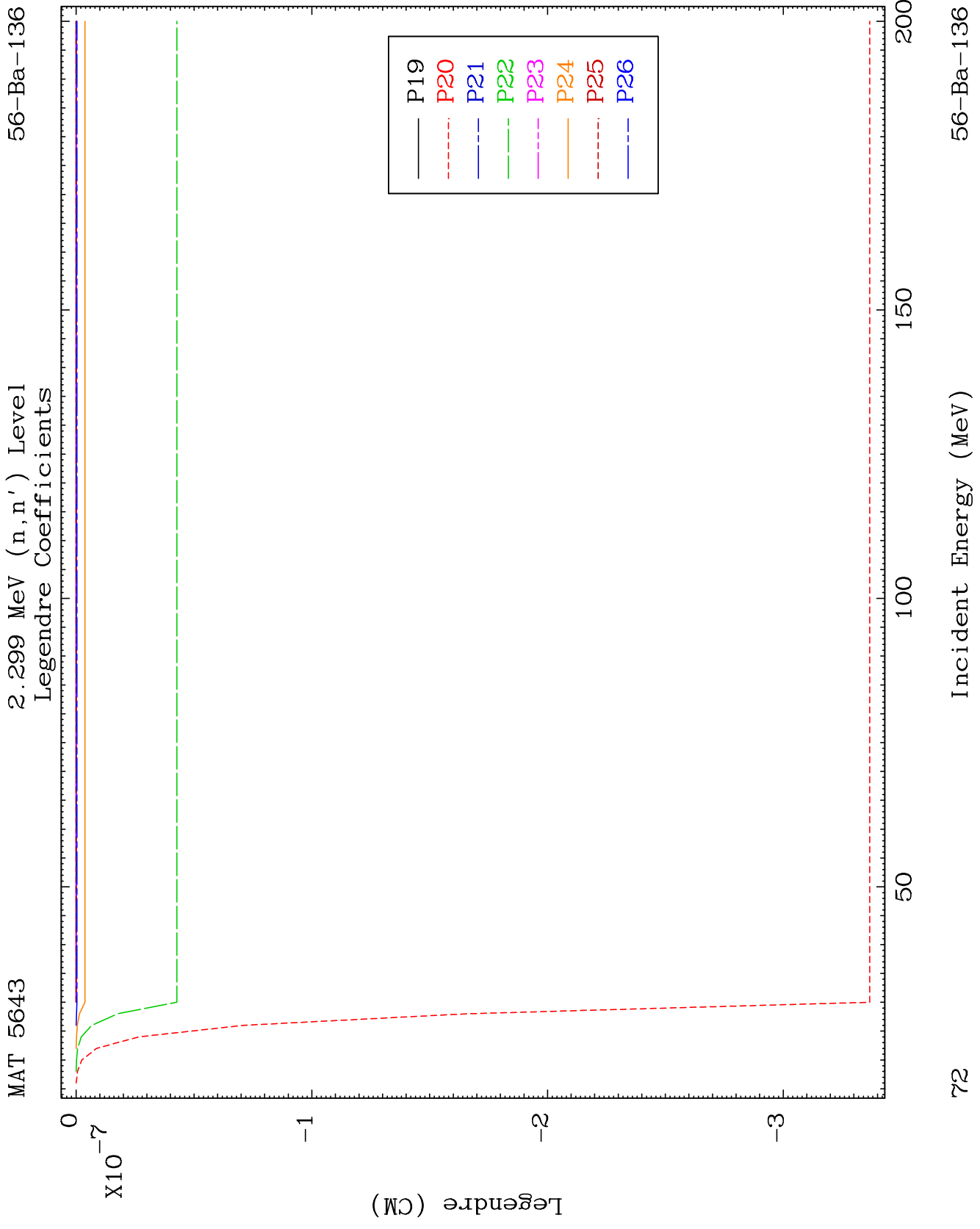
2.299 MeV (n, n') Level
Legendre Coefficients

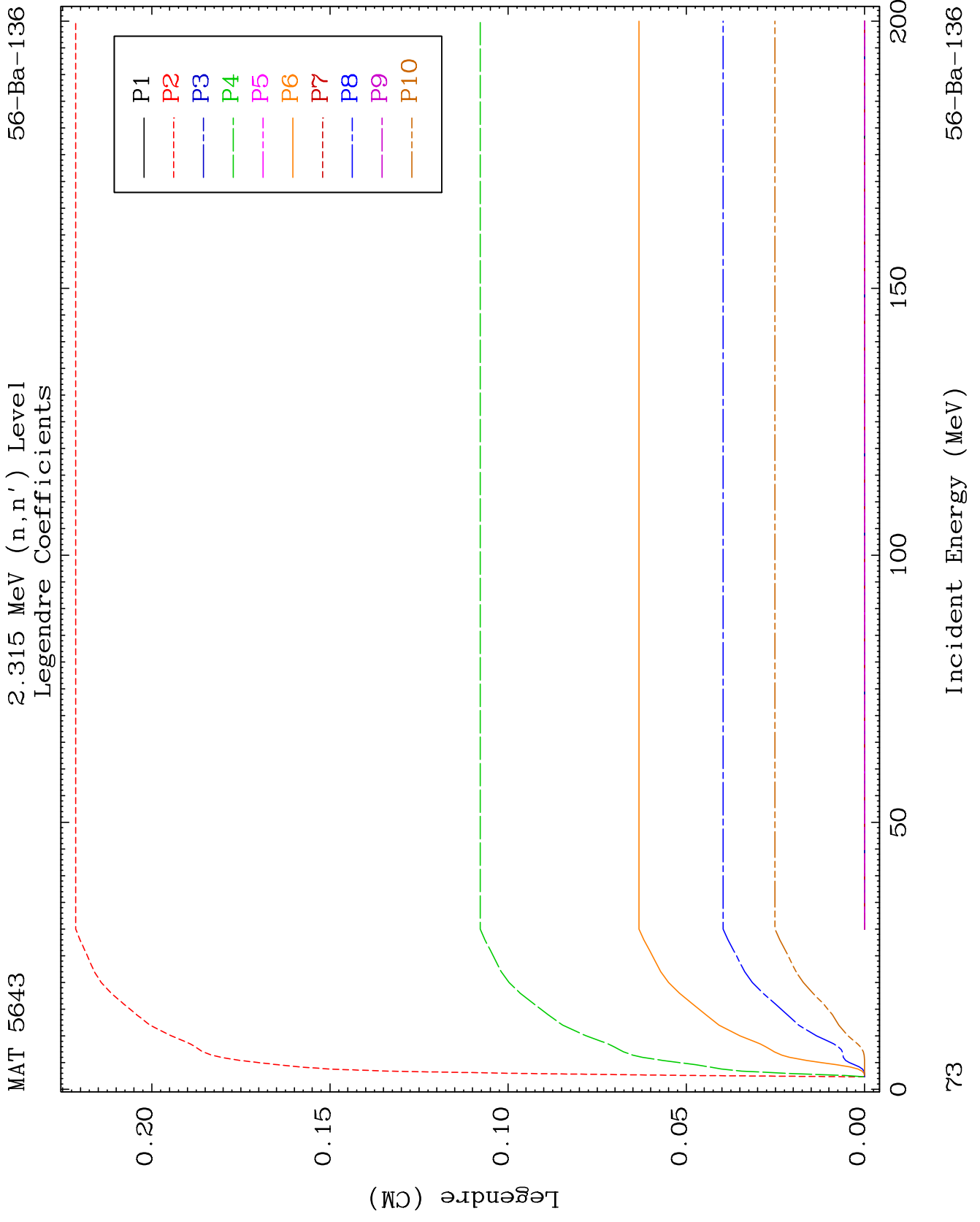
56-Ba-136

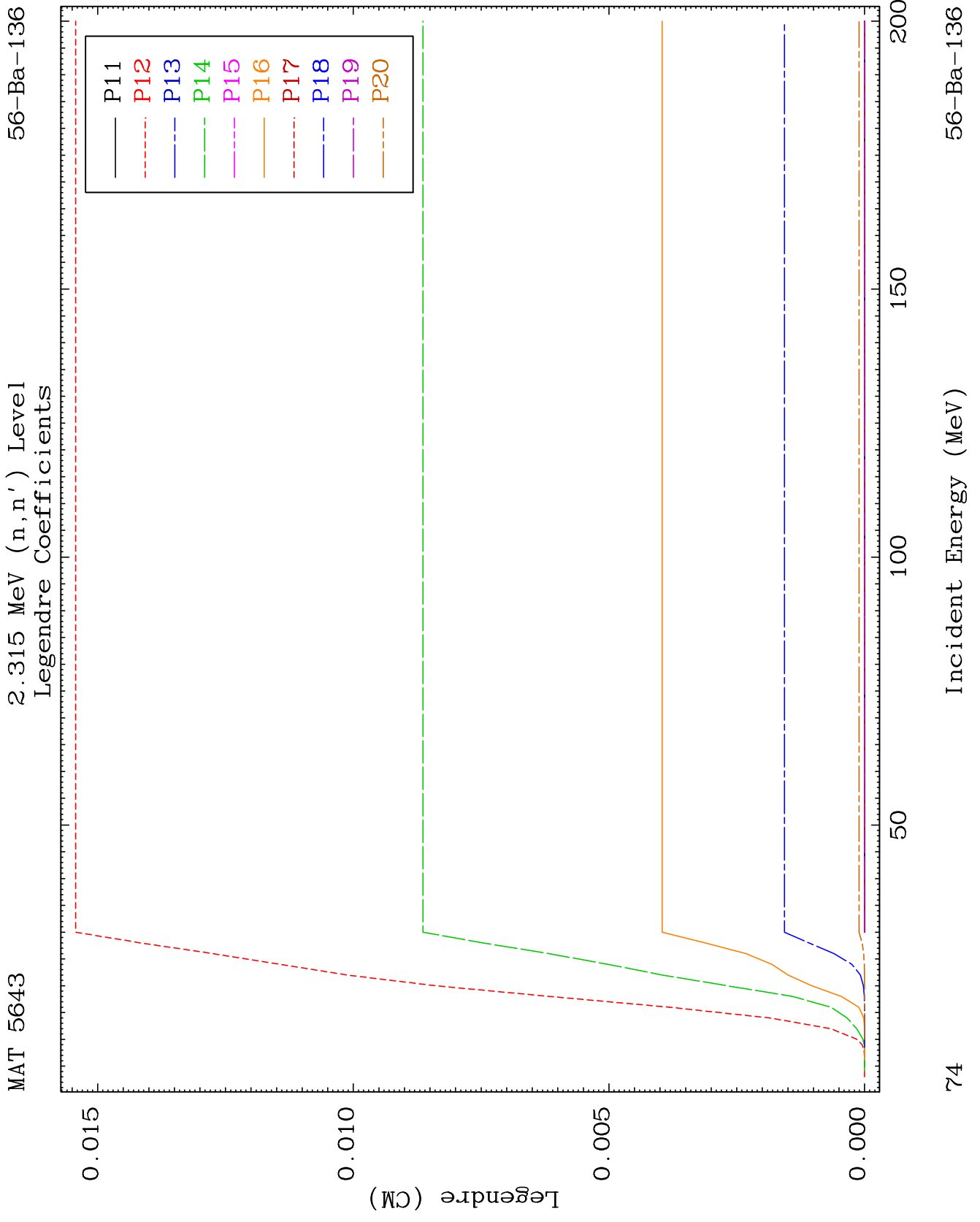


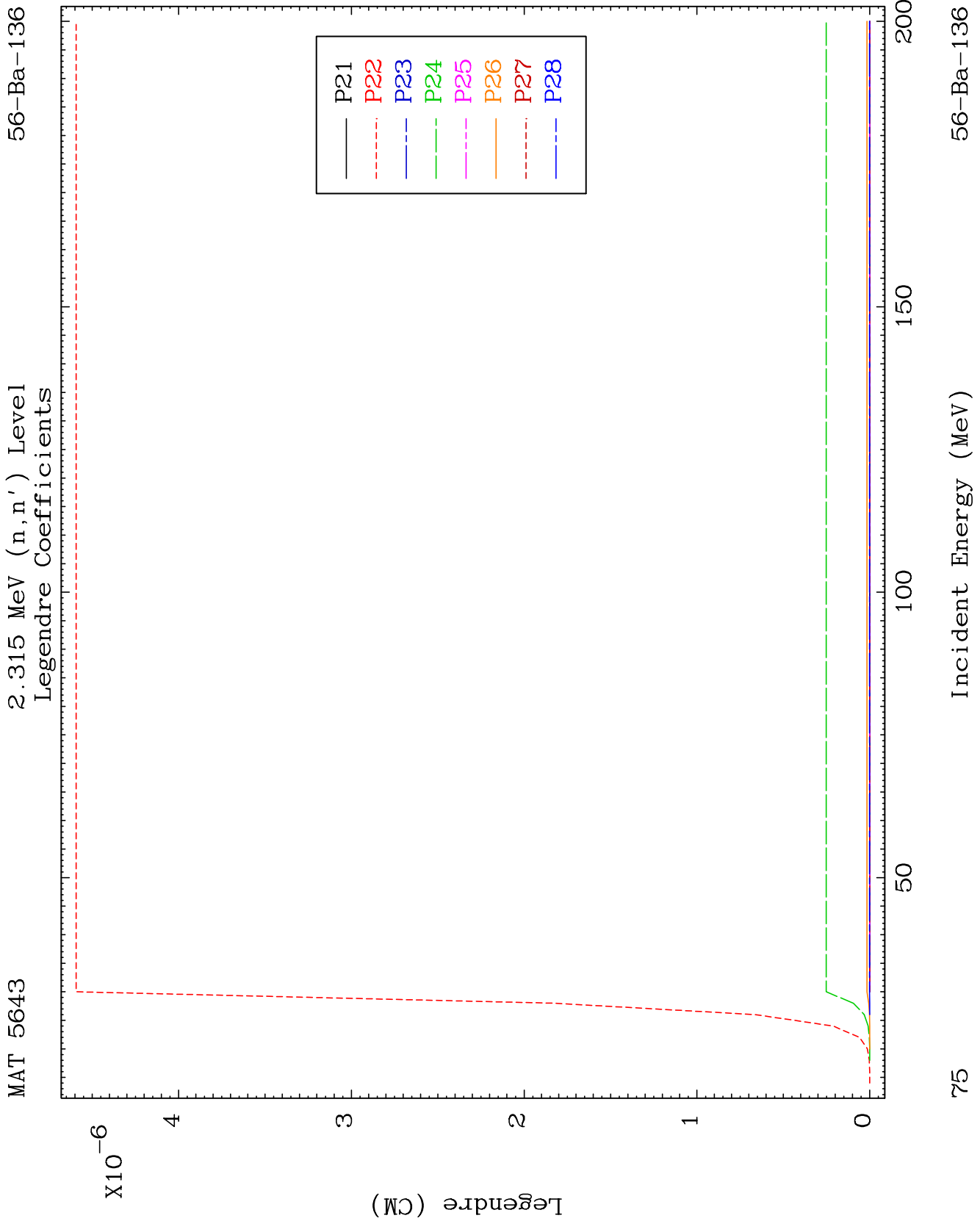
71

56-Ba-136





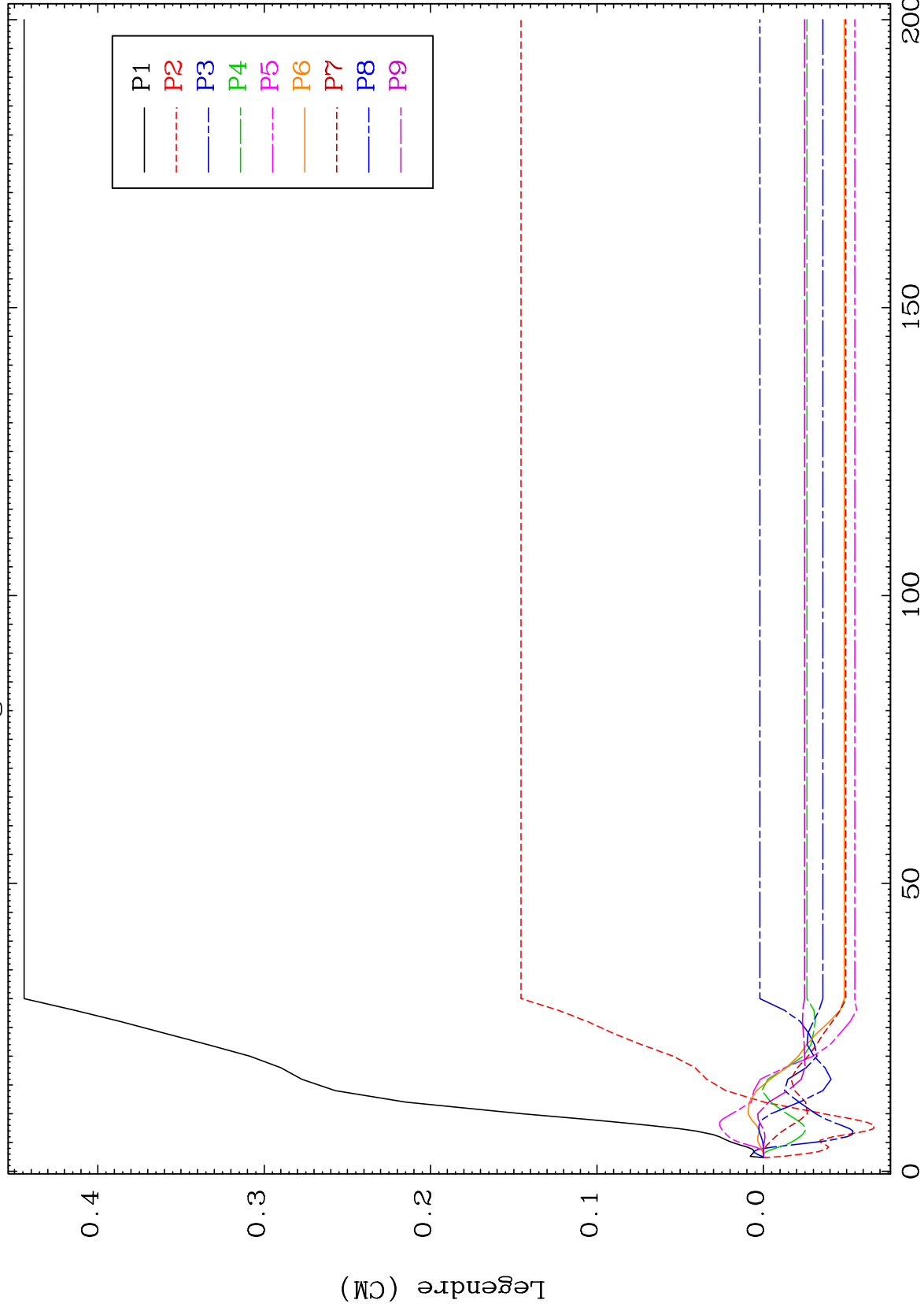




MAT 5643

2.349 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



76

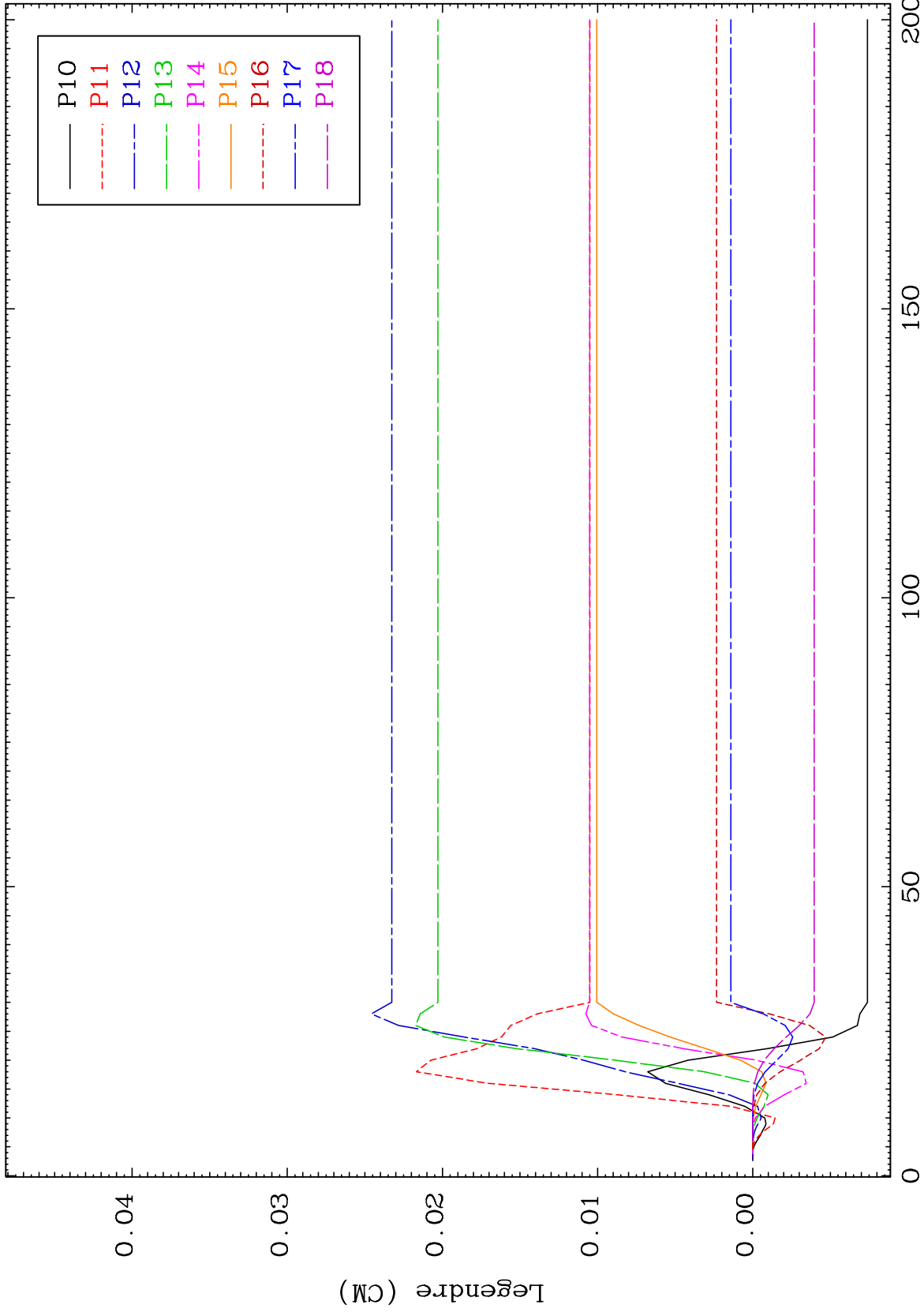
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.349 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



77

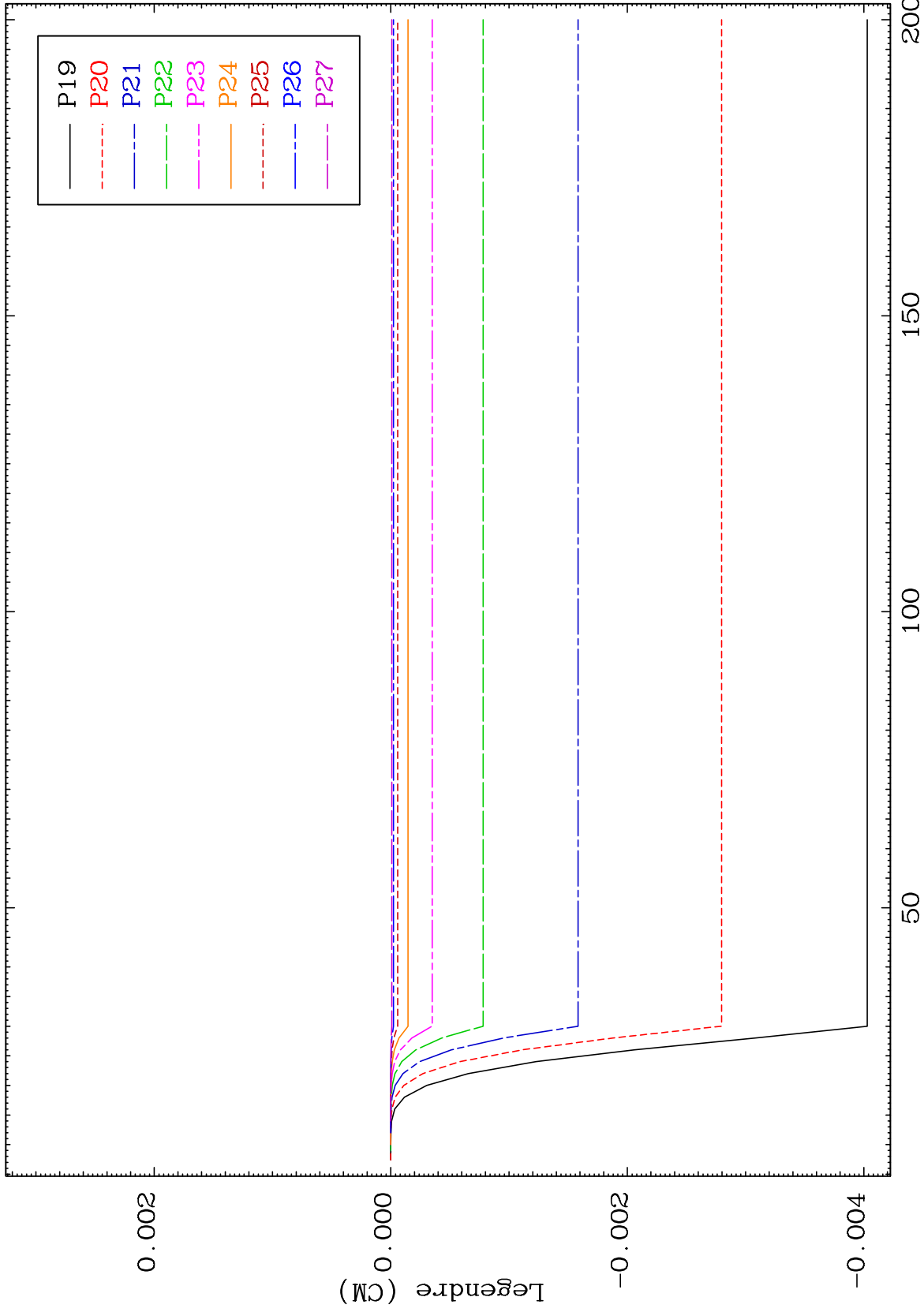
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.349 MeV (n,n') Level
Legendre Coefficients

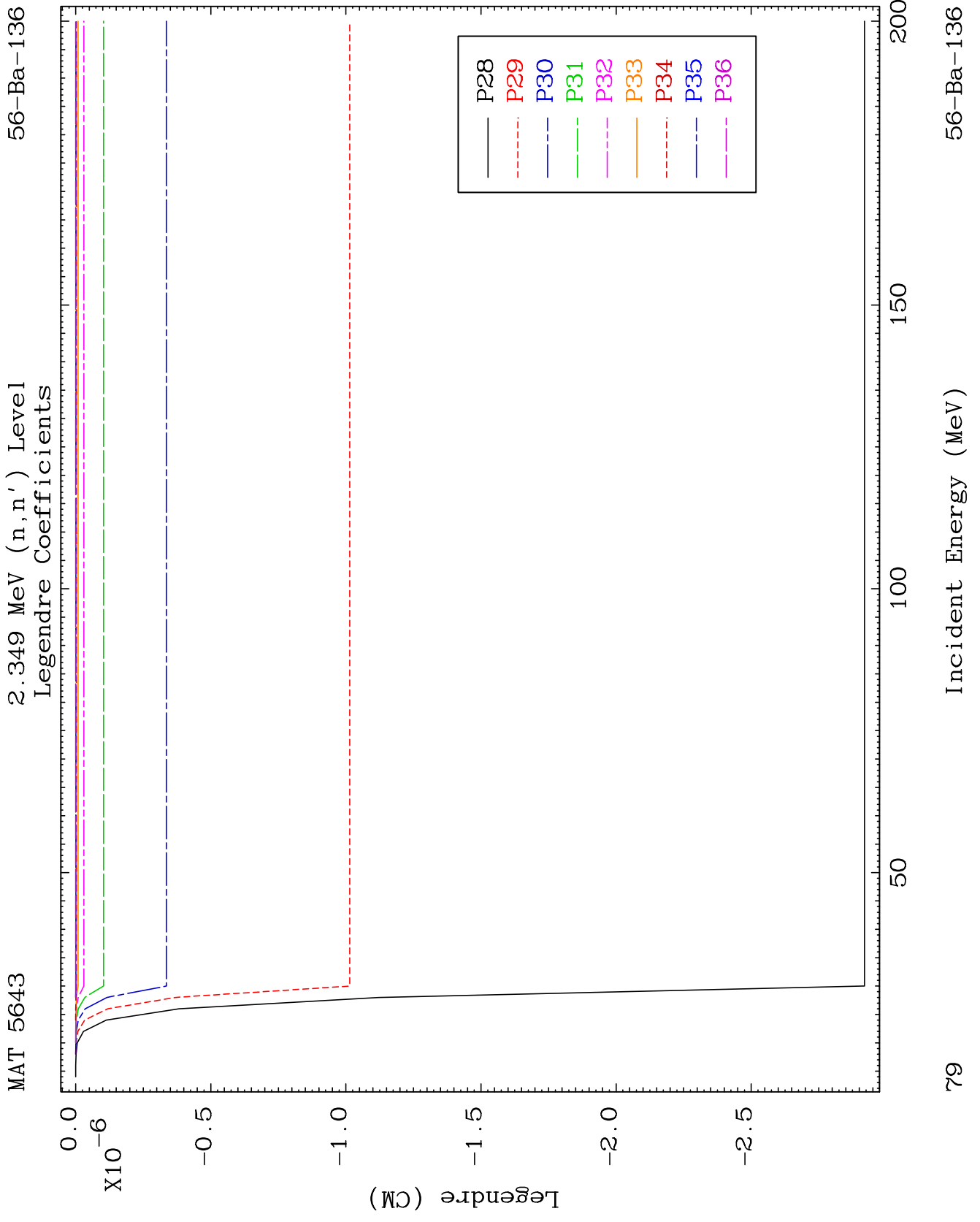
56-Ba-136



78

Incident Energy (MeV)

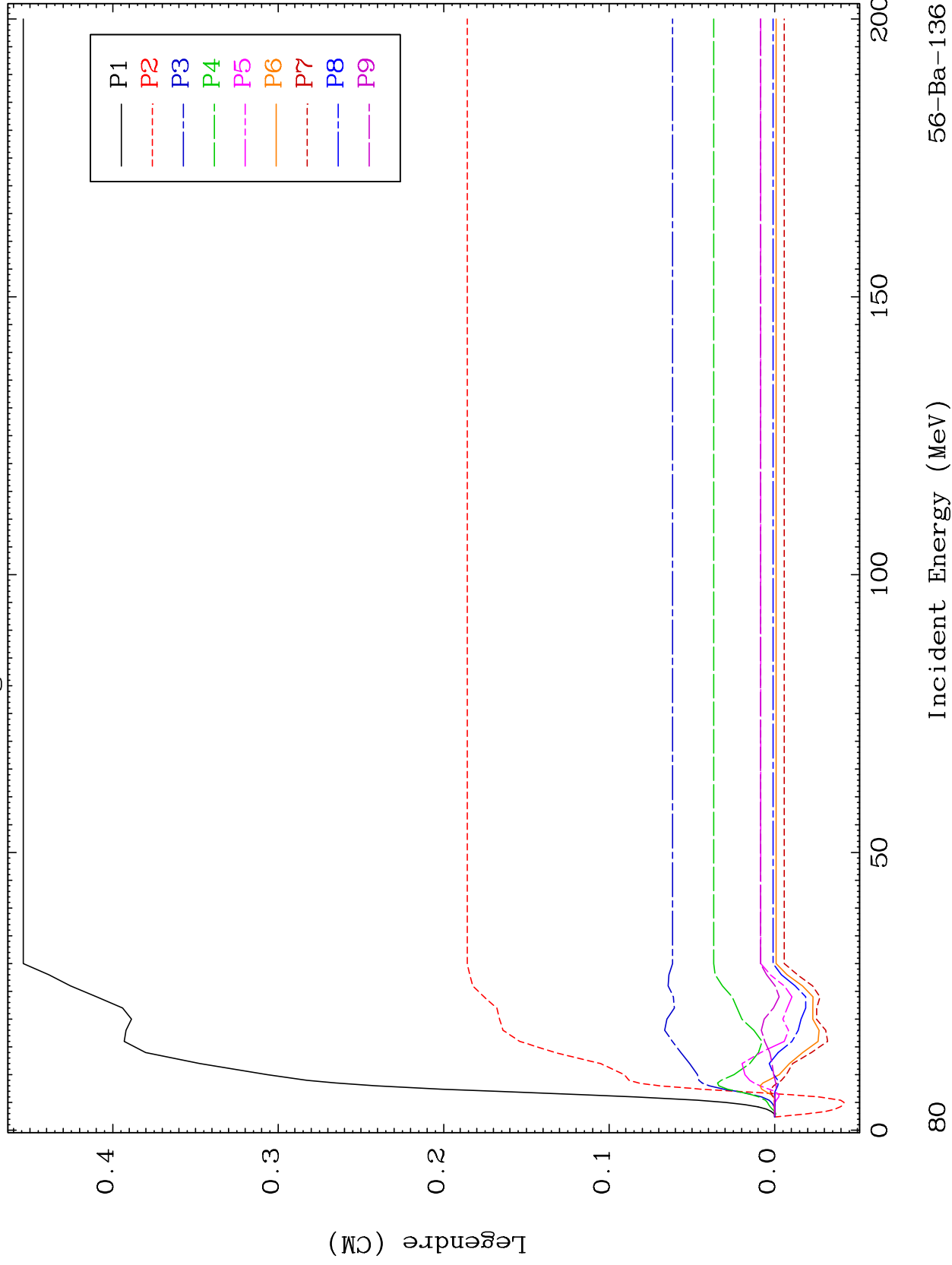
56-Ba-136



MAT 5643

2.356 MeV (n,n') Level
Legendre Coefficients

56-Ba-136

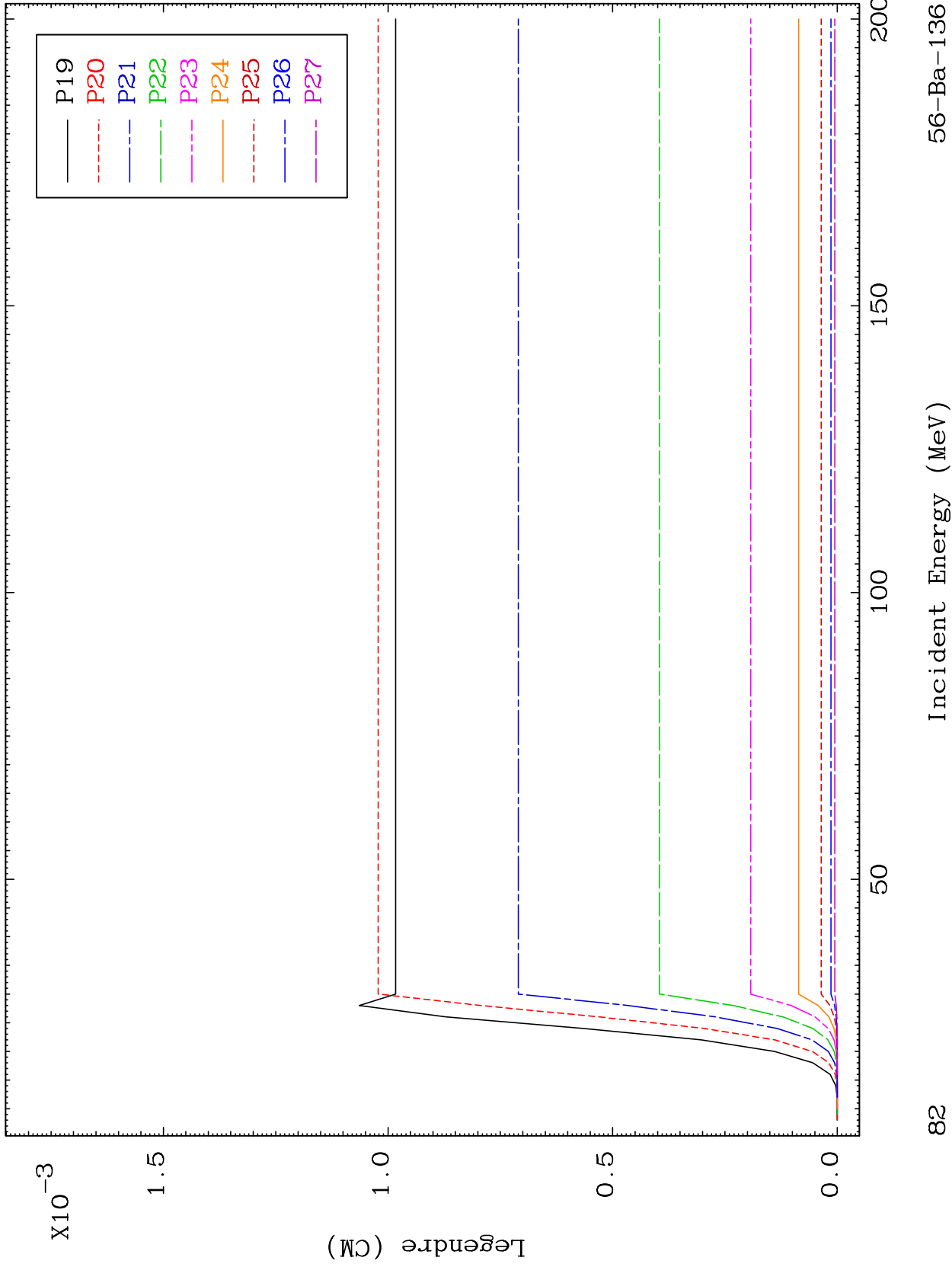


56-Ba-136

MAT 5643

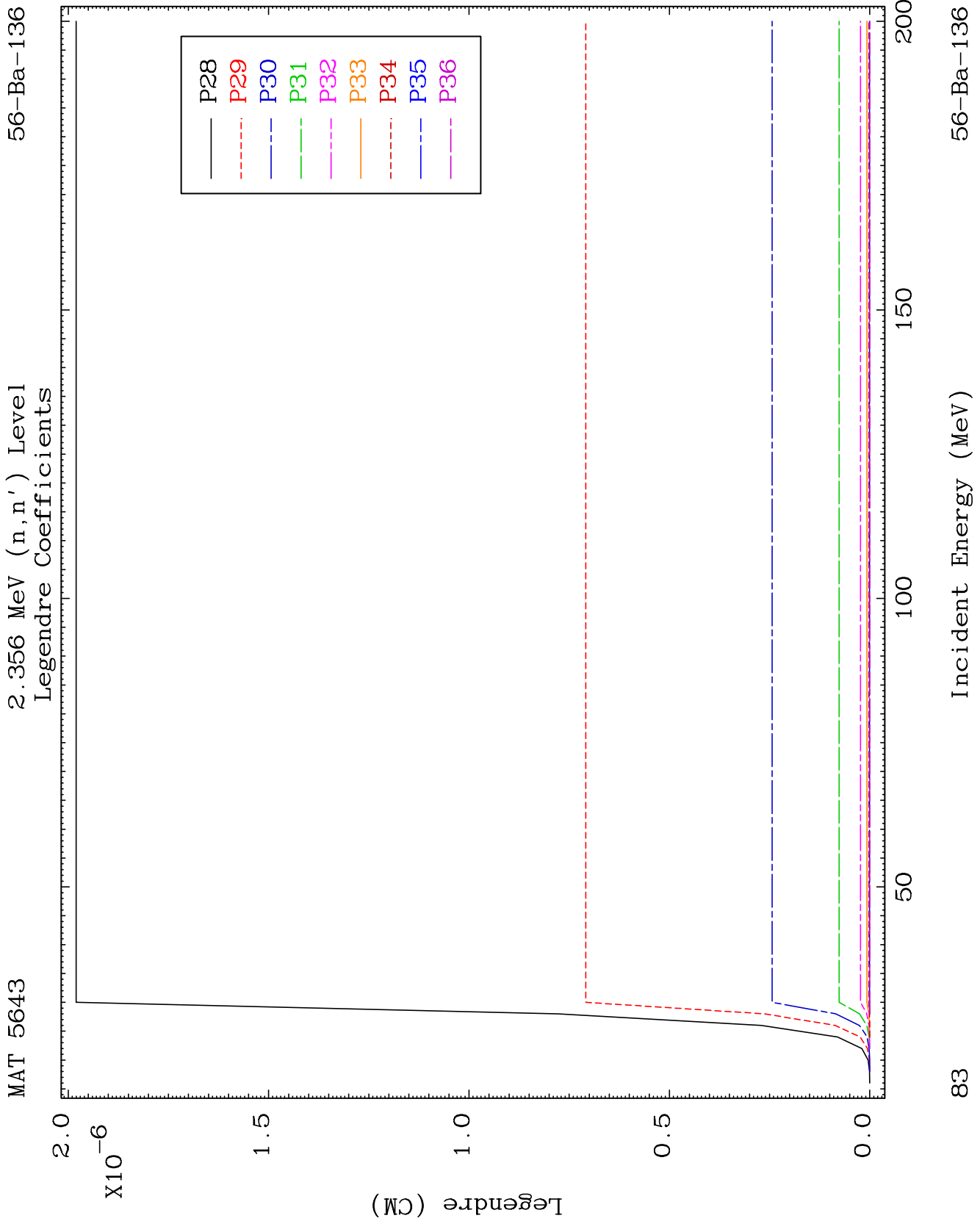
2.356 MeV (n,n') Level
Legendre Coefficients

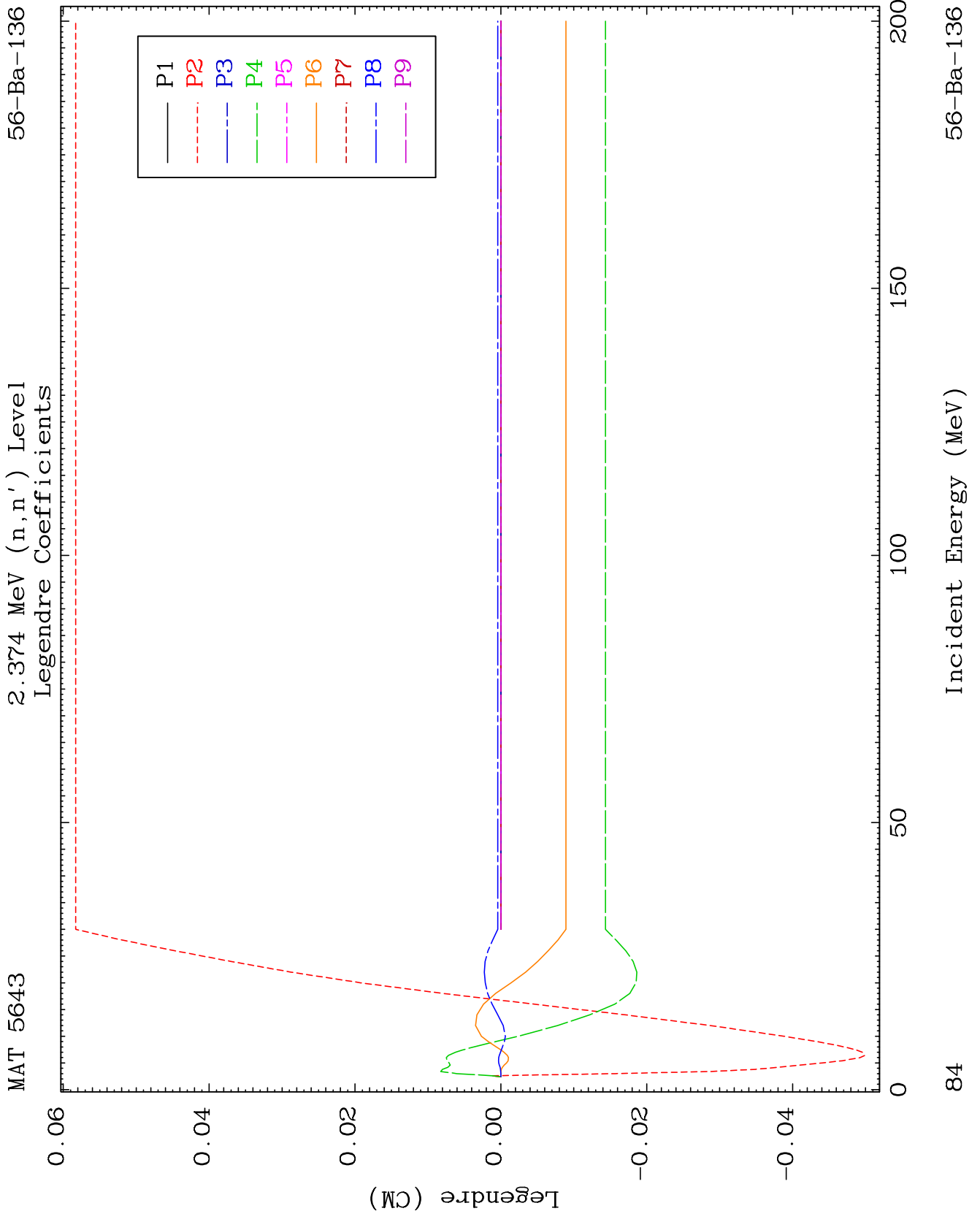
56-Ba-136



82

56-Ba-136

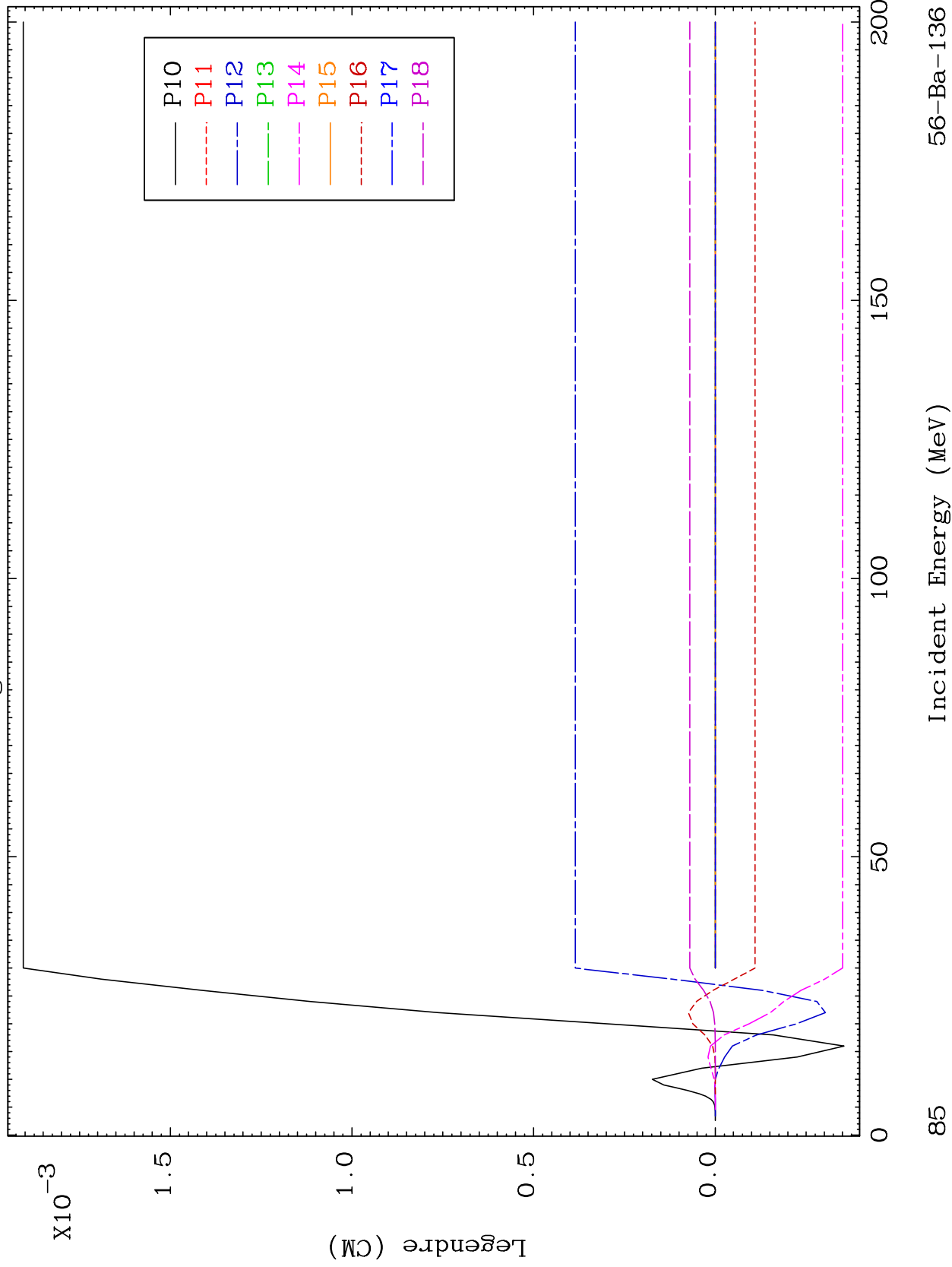




MAT 5643

2.374 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



85

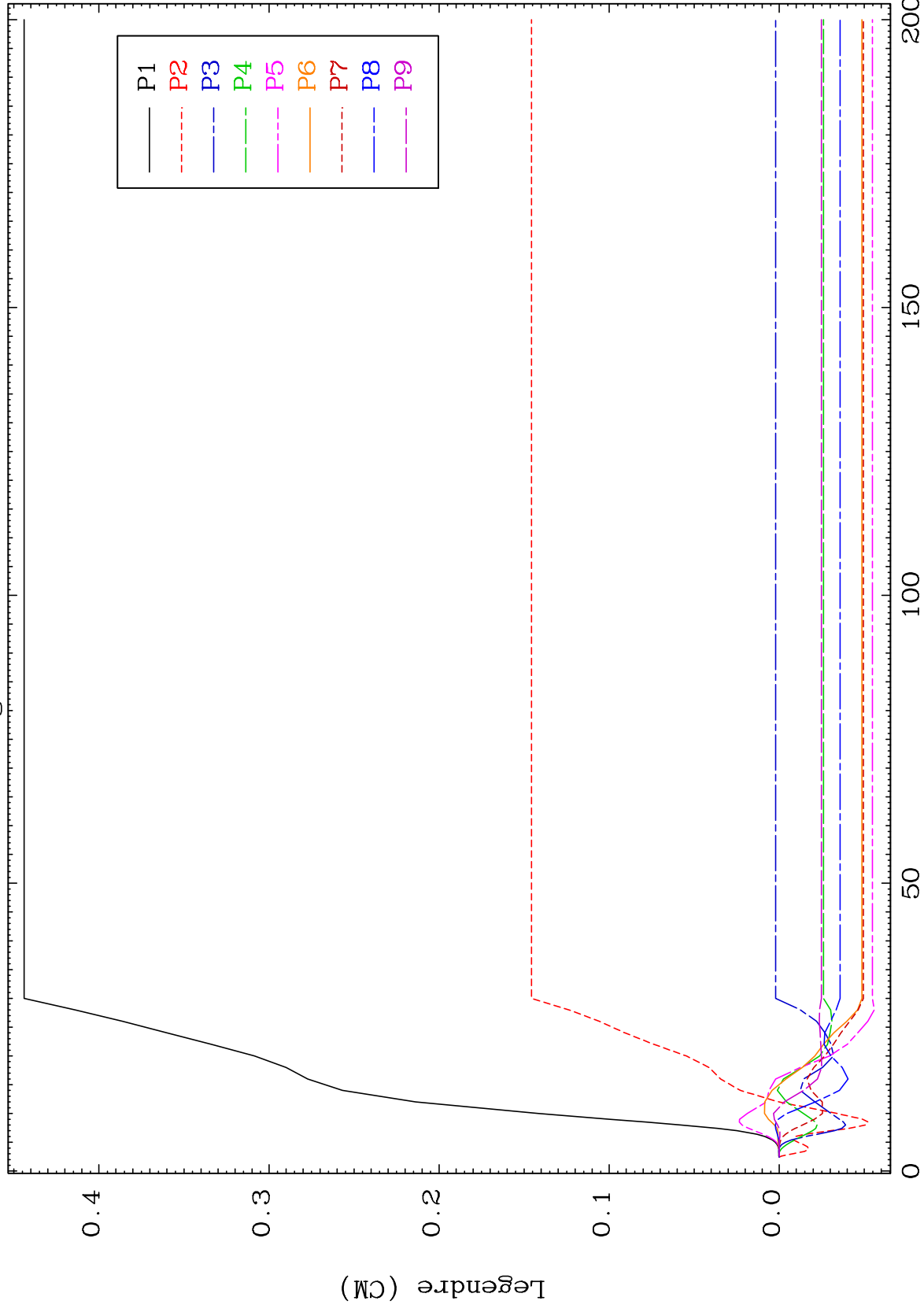
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.391 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



87

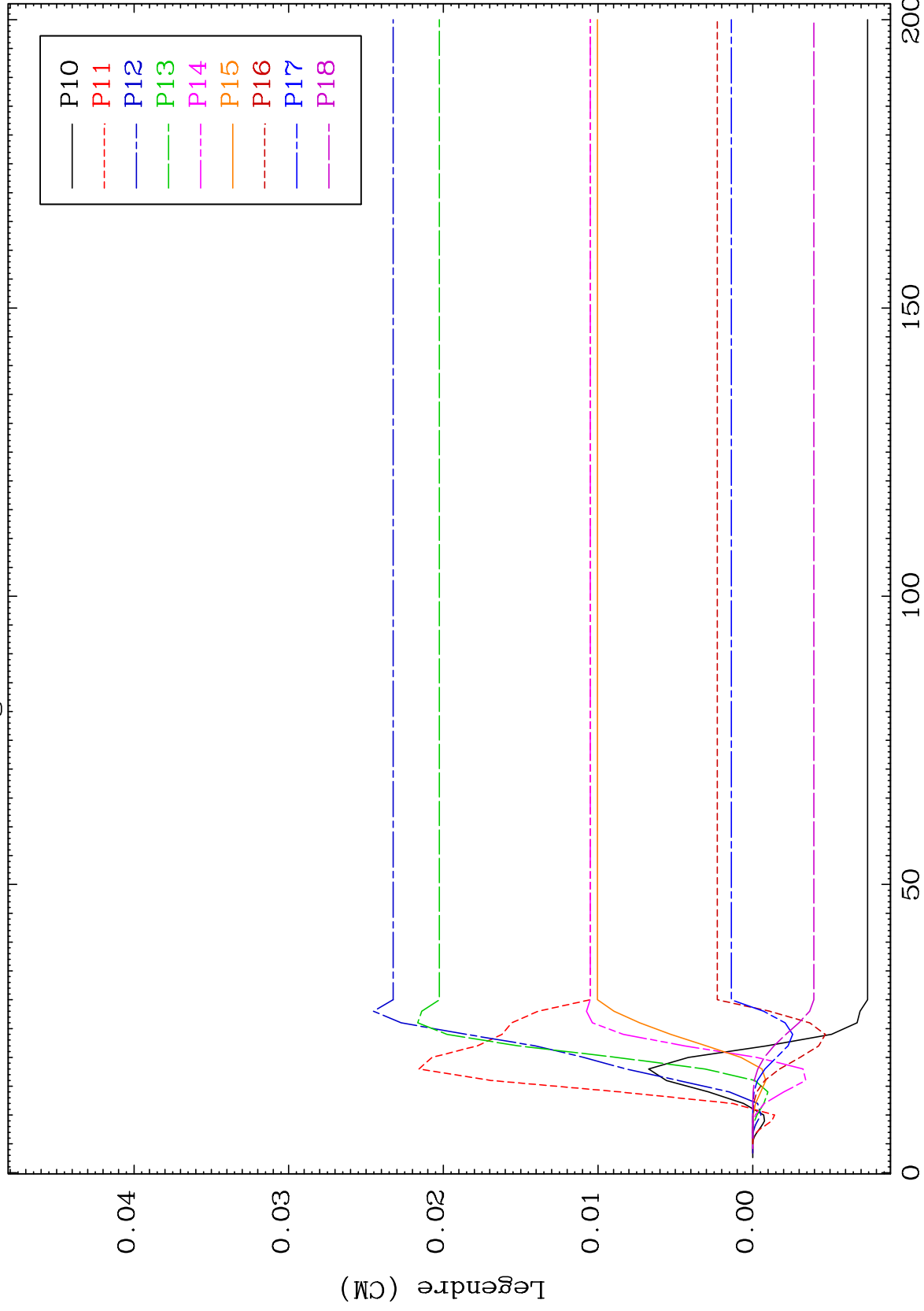
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.391 MeV (n,n') Level
Legendre Coefficients

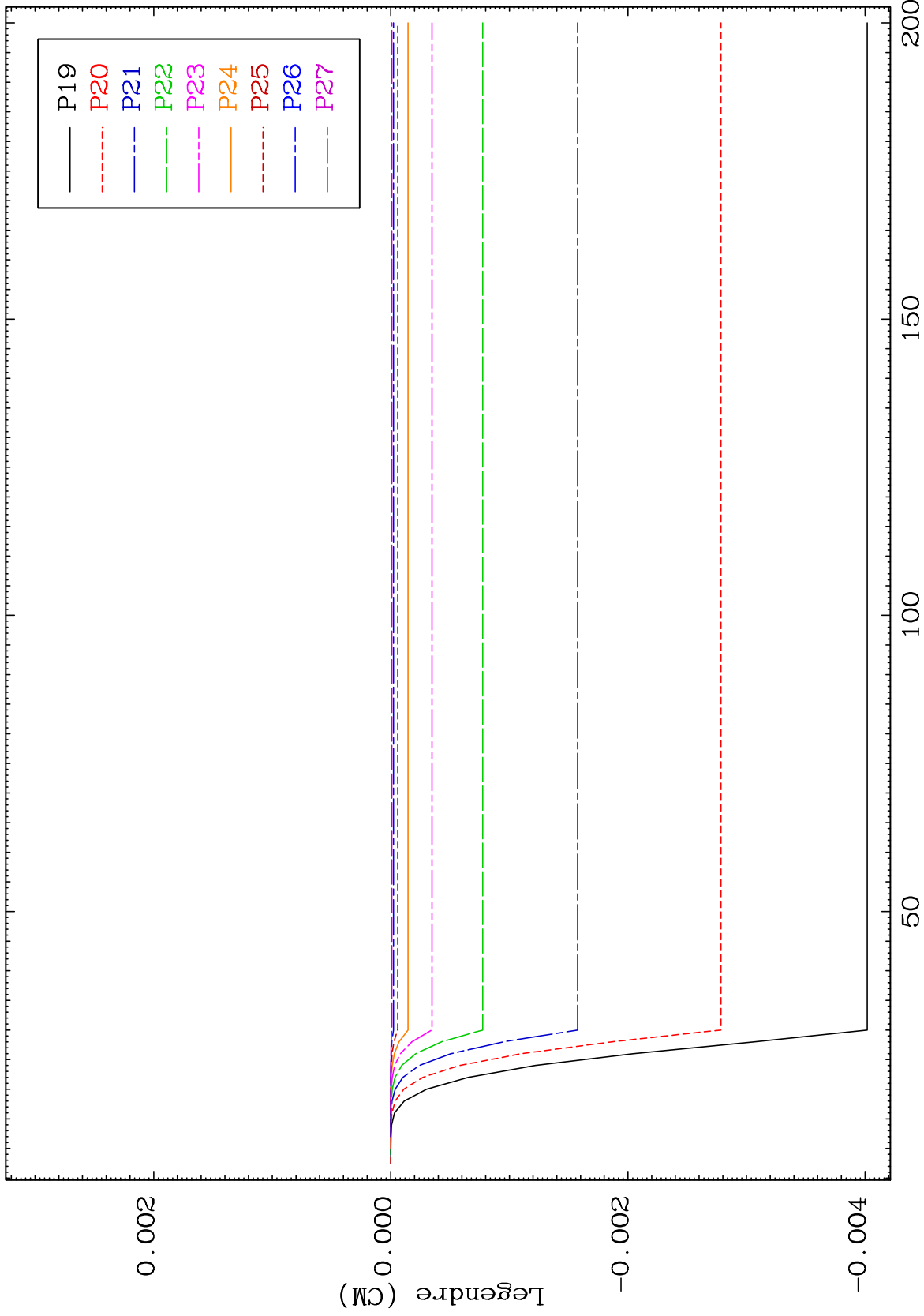
56-Ba-136

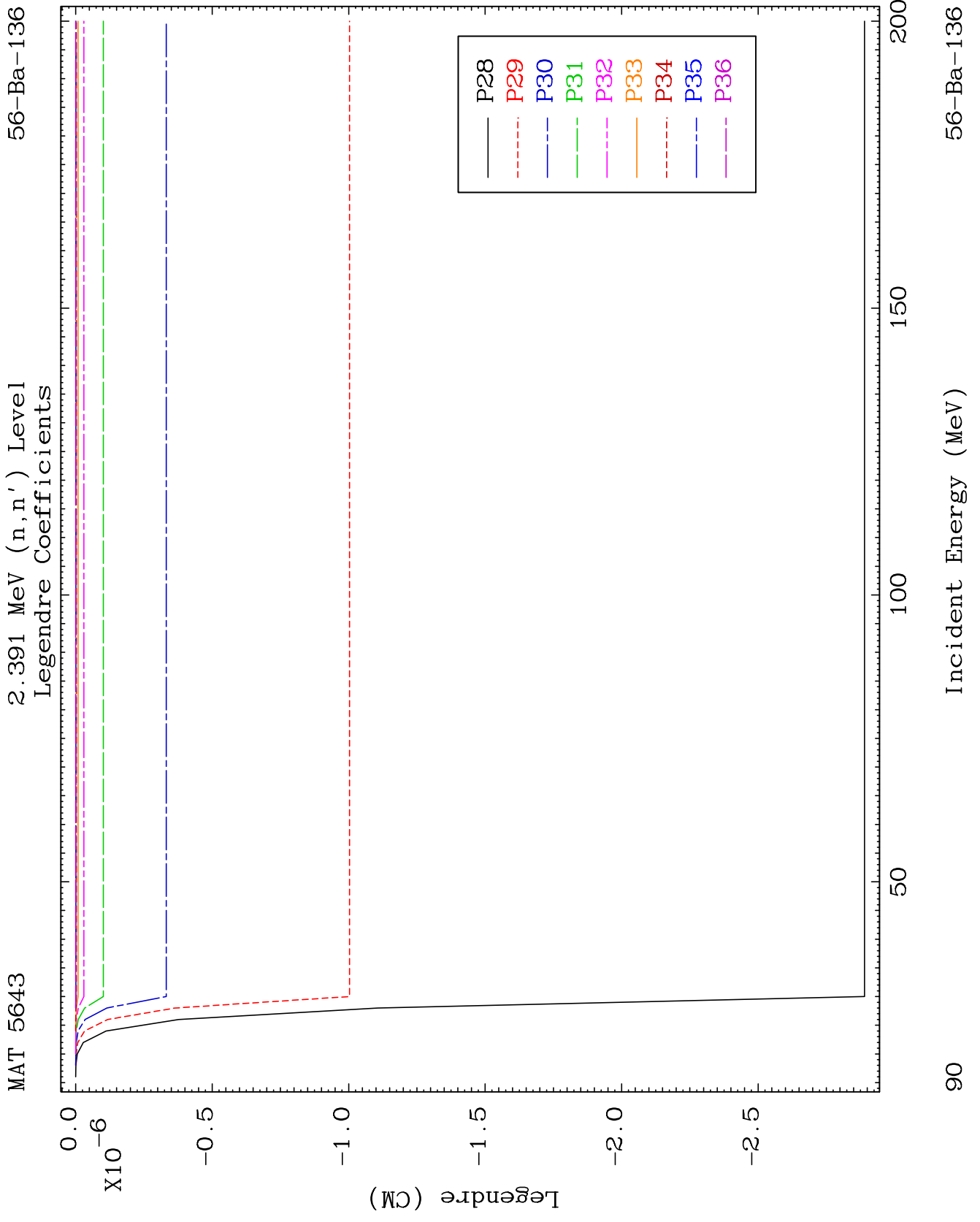


88

Incident Energy (MeV)

56-Ba-136

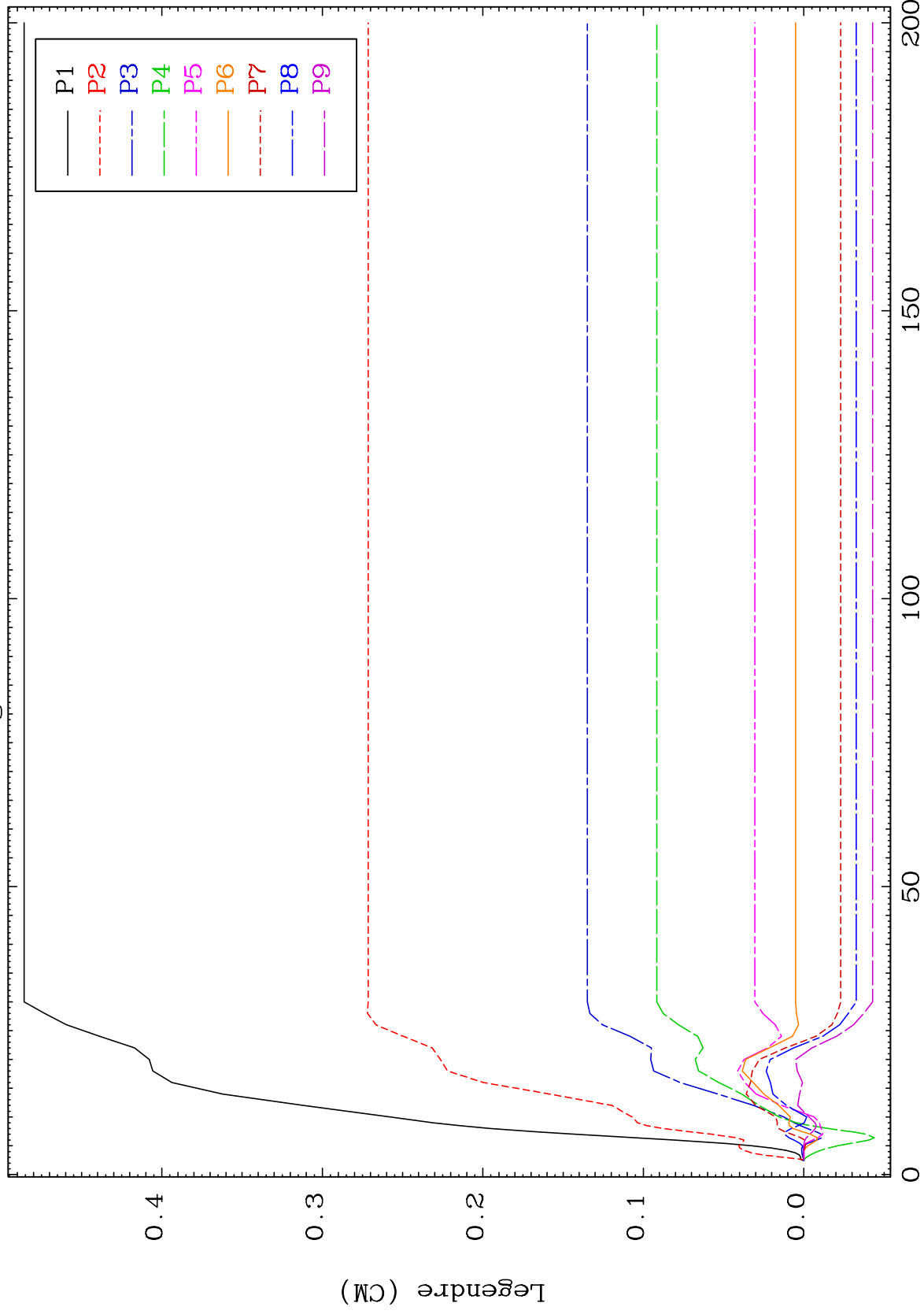




MAT 5643

2.392 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



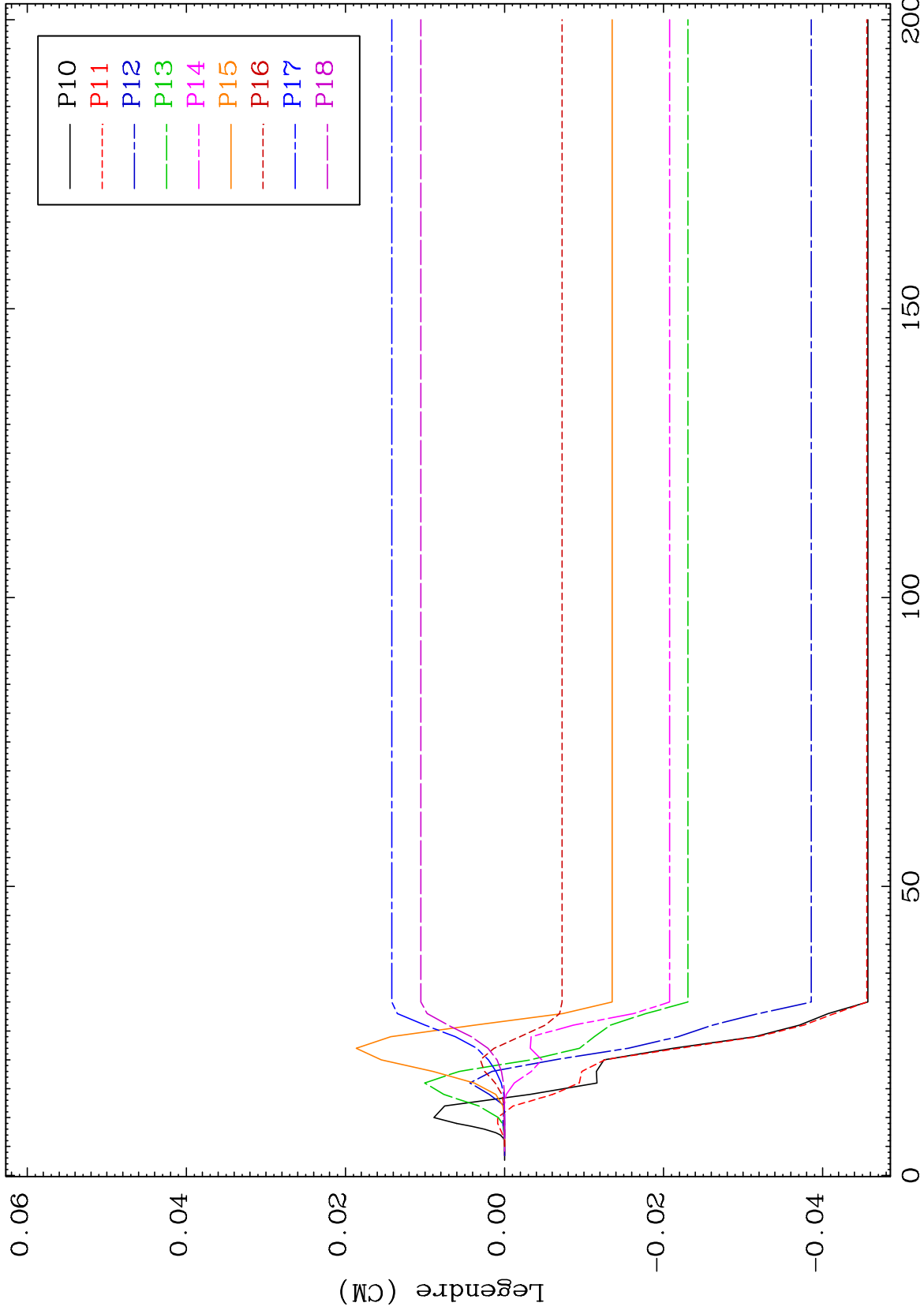
91

56-Ba-136

MAT 5643

2.392 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



92

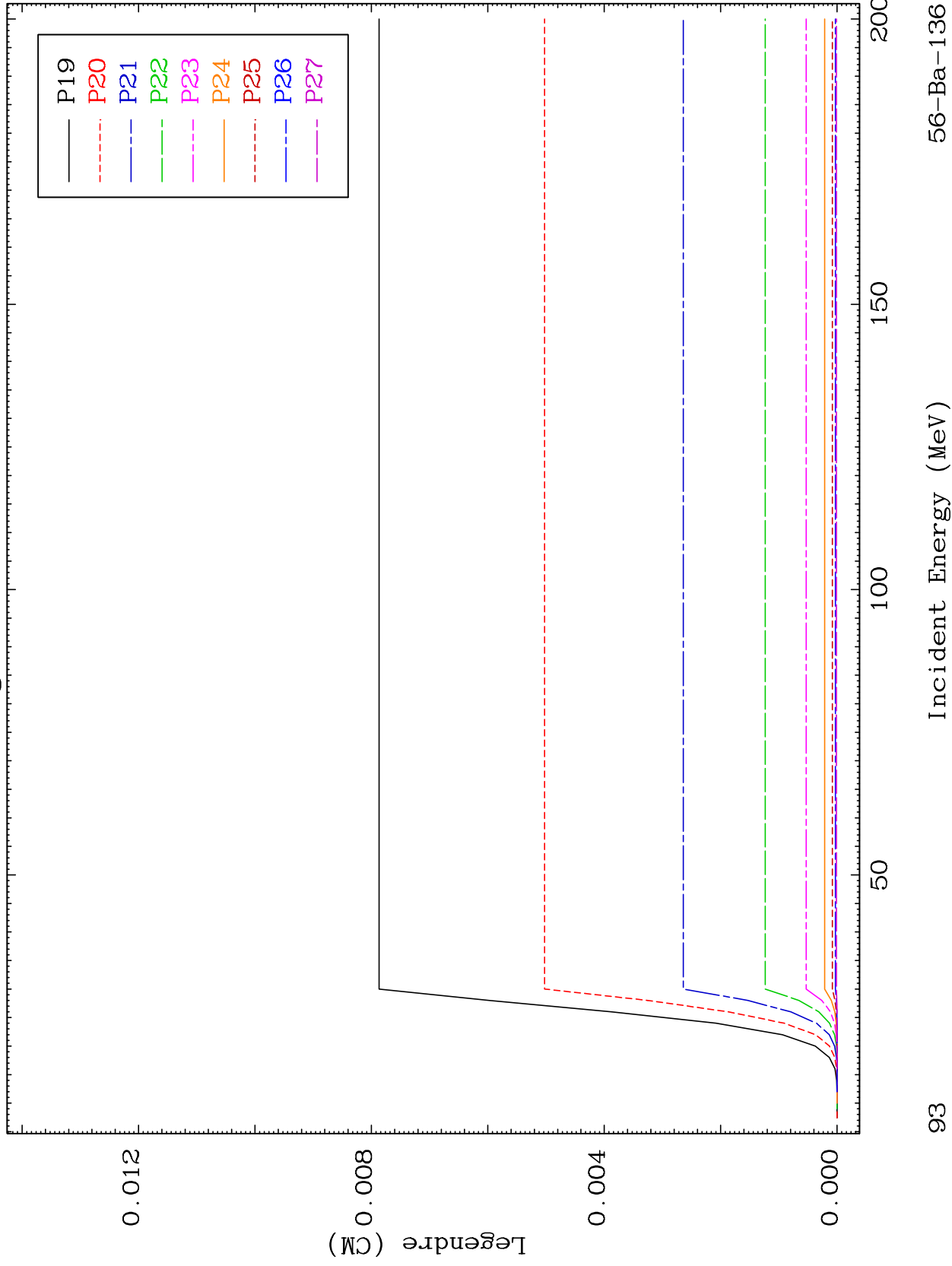
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.392 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



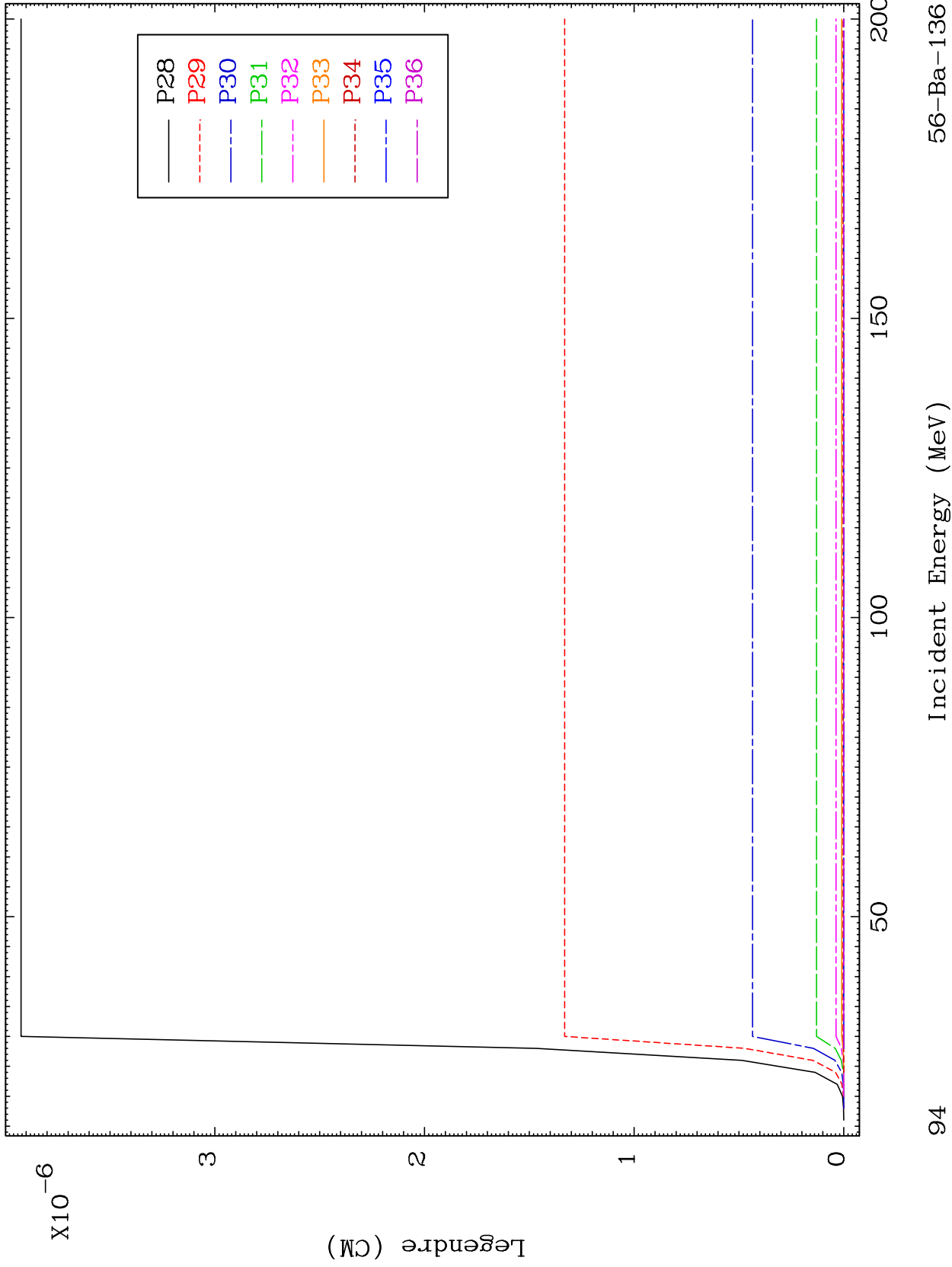
93

56-Ba-136

MAT 5643

2.392 MeV (n, n') Level
Legendre Coefficients

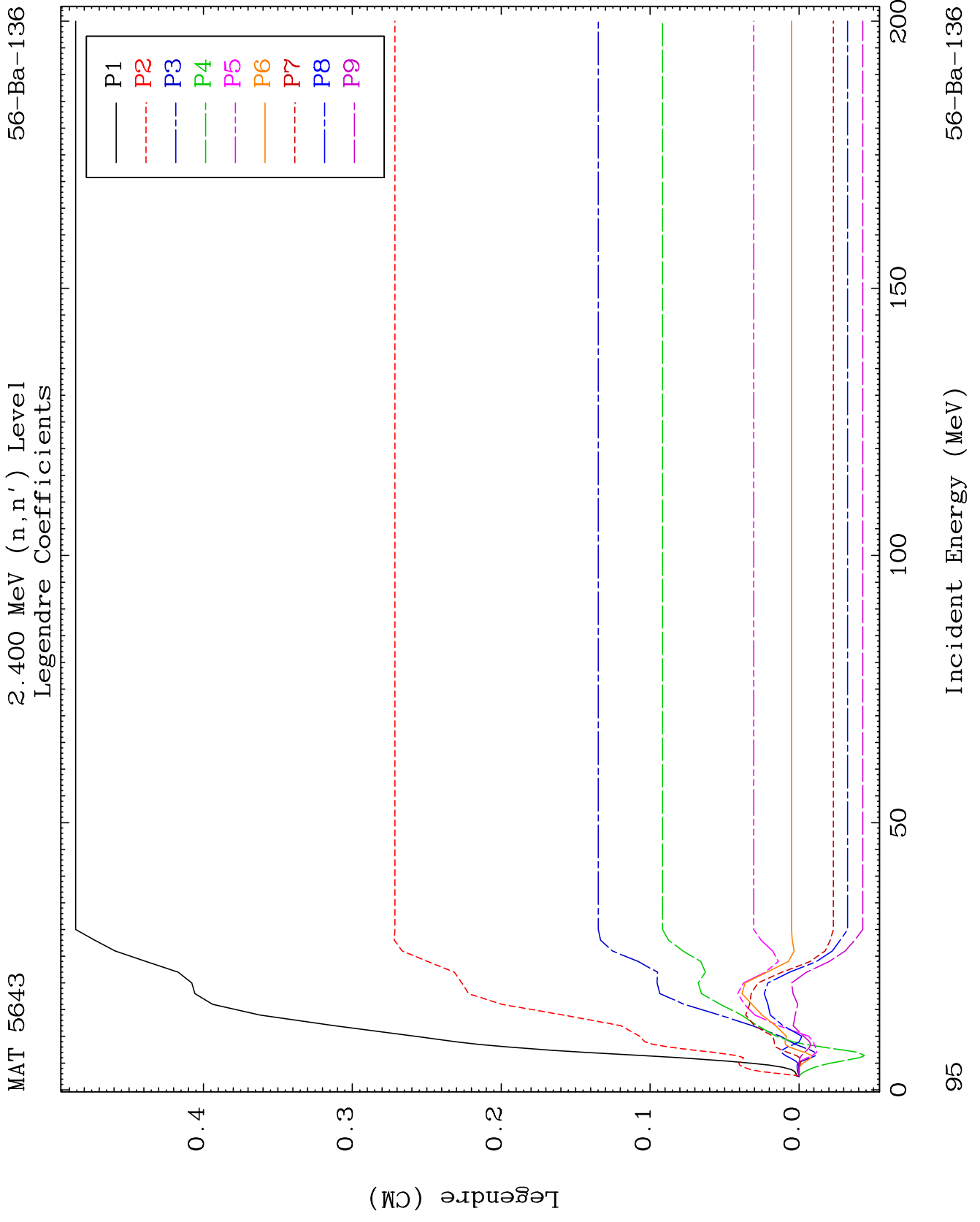
56-Ba-136



94

Incident Energy (MeV)

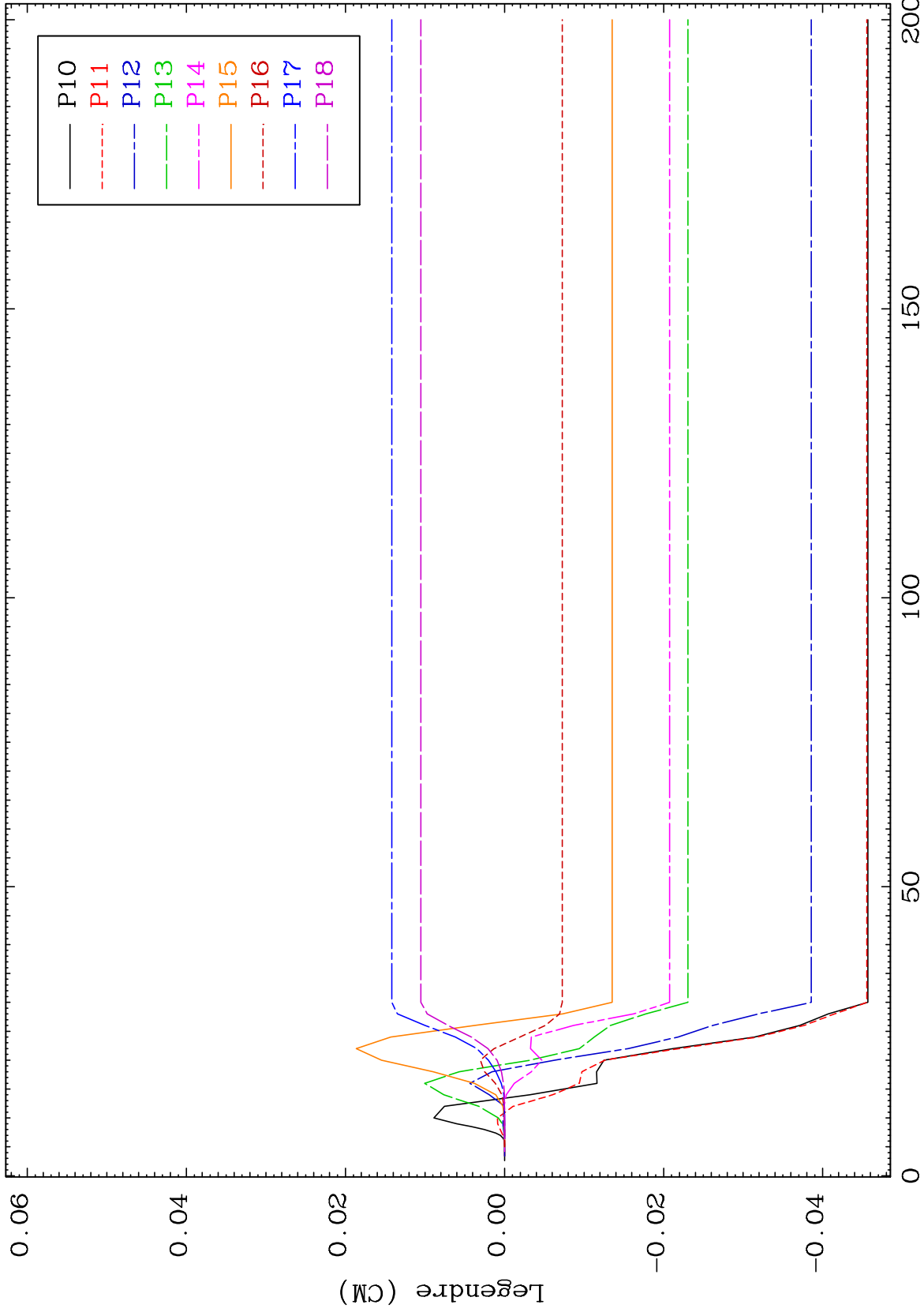
56-Ba-136



MAT 5643

2.400 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



96

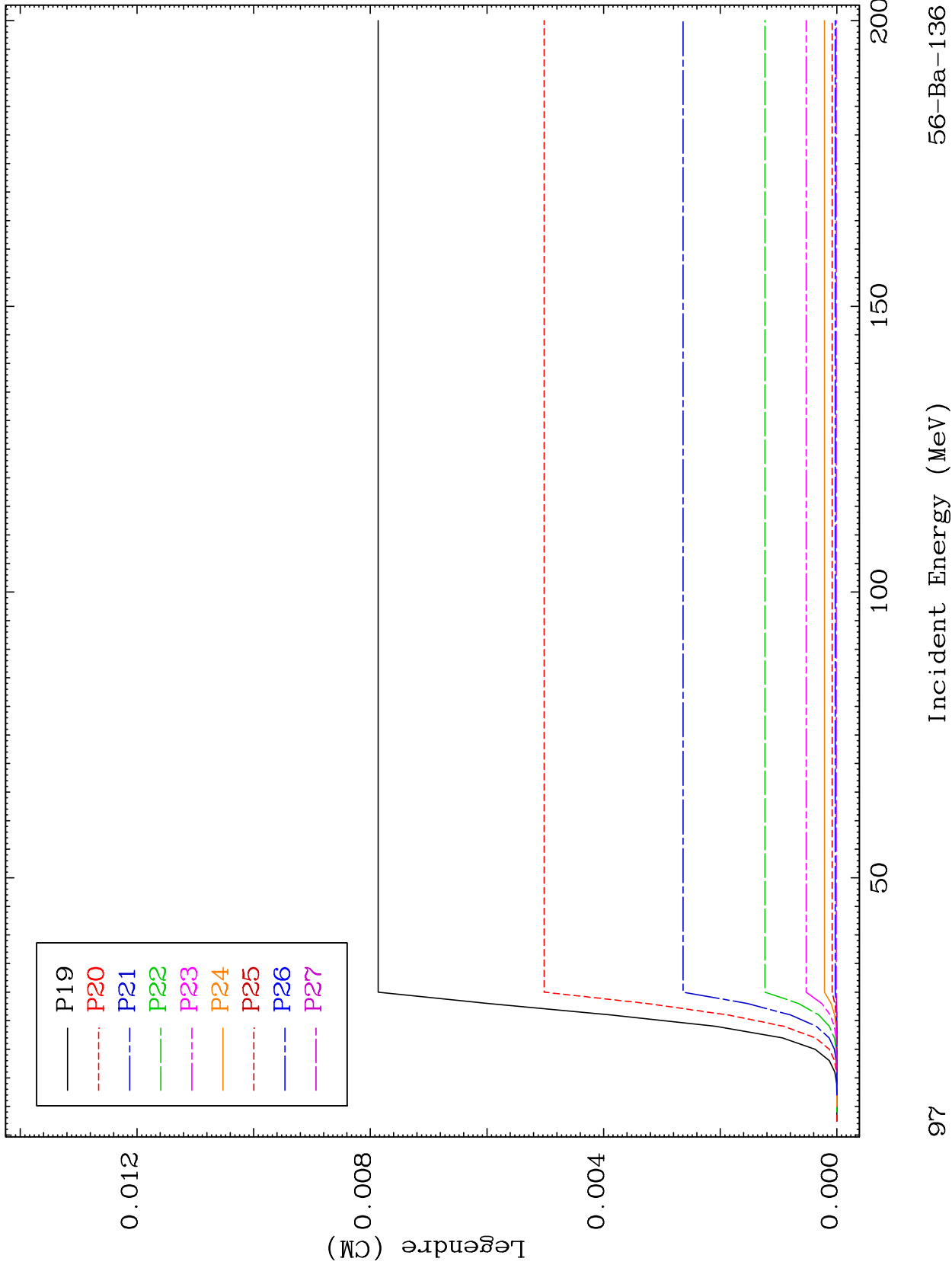
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.400 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



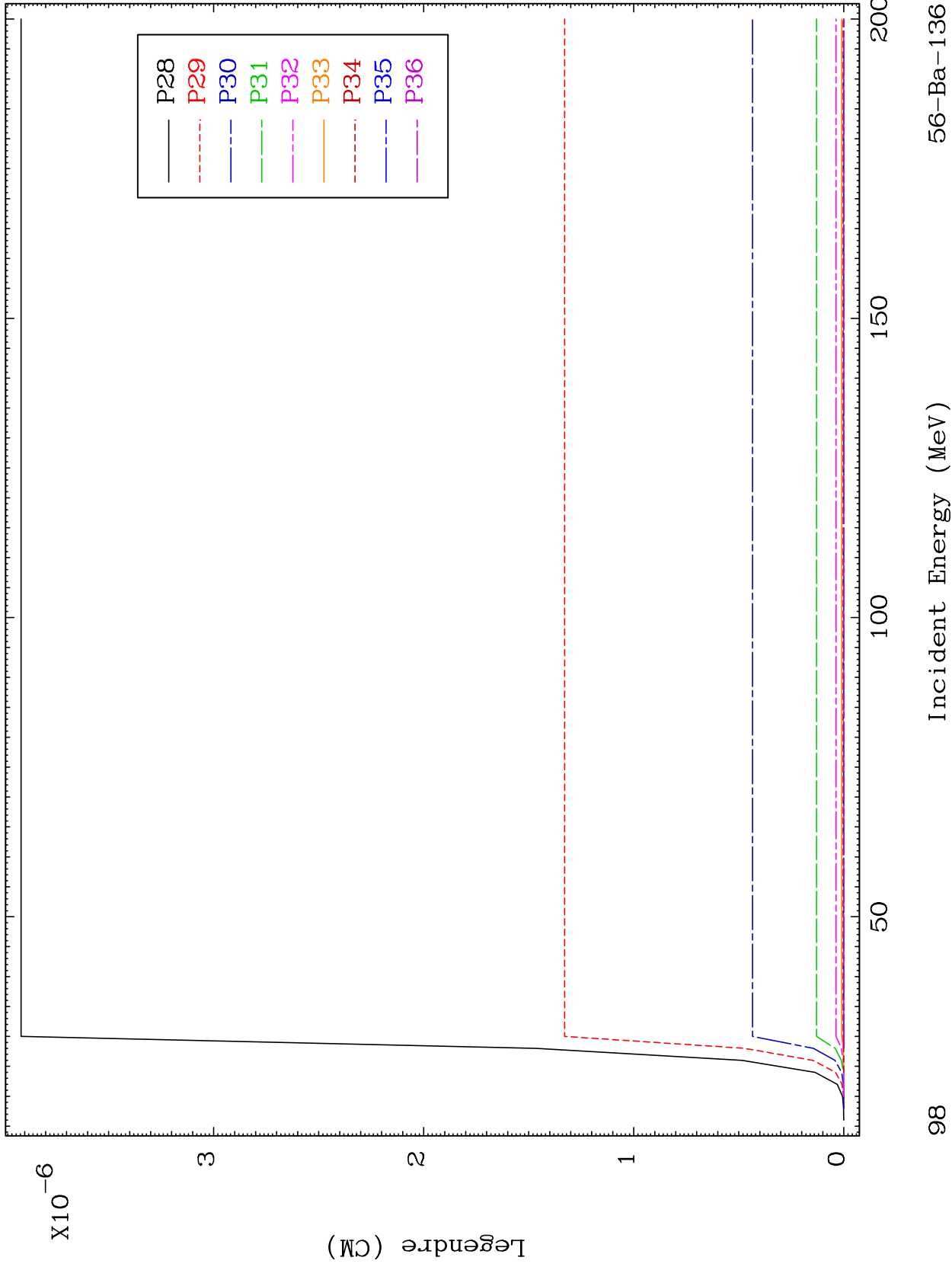
97

56-Ba-136

MAT 5643

2.400 MeV (n, n') Level
Legendre Coefficients

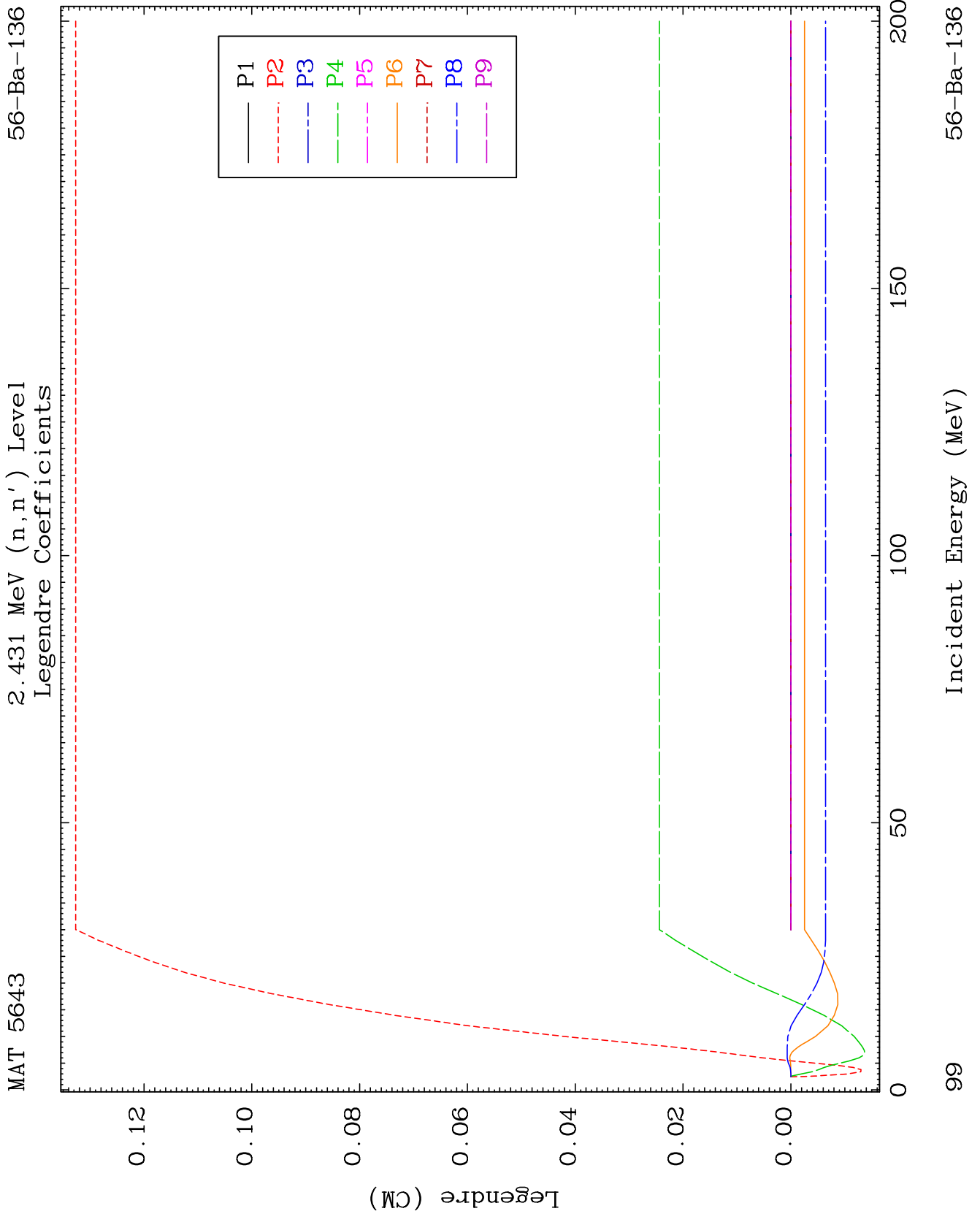
56-Ba-136



98

Incident Energy (MeV)

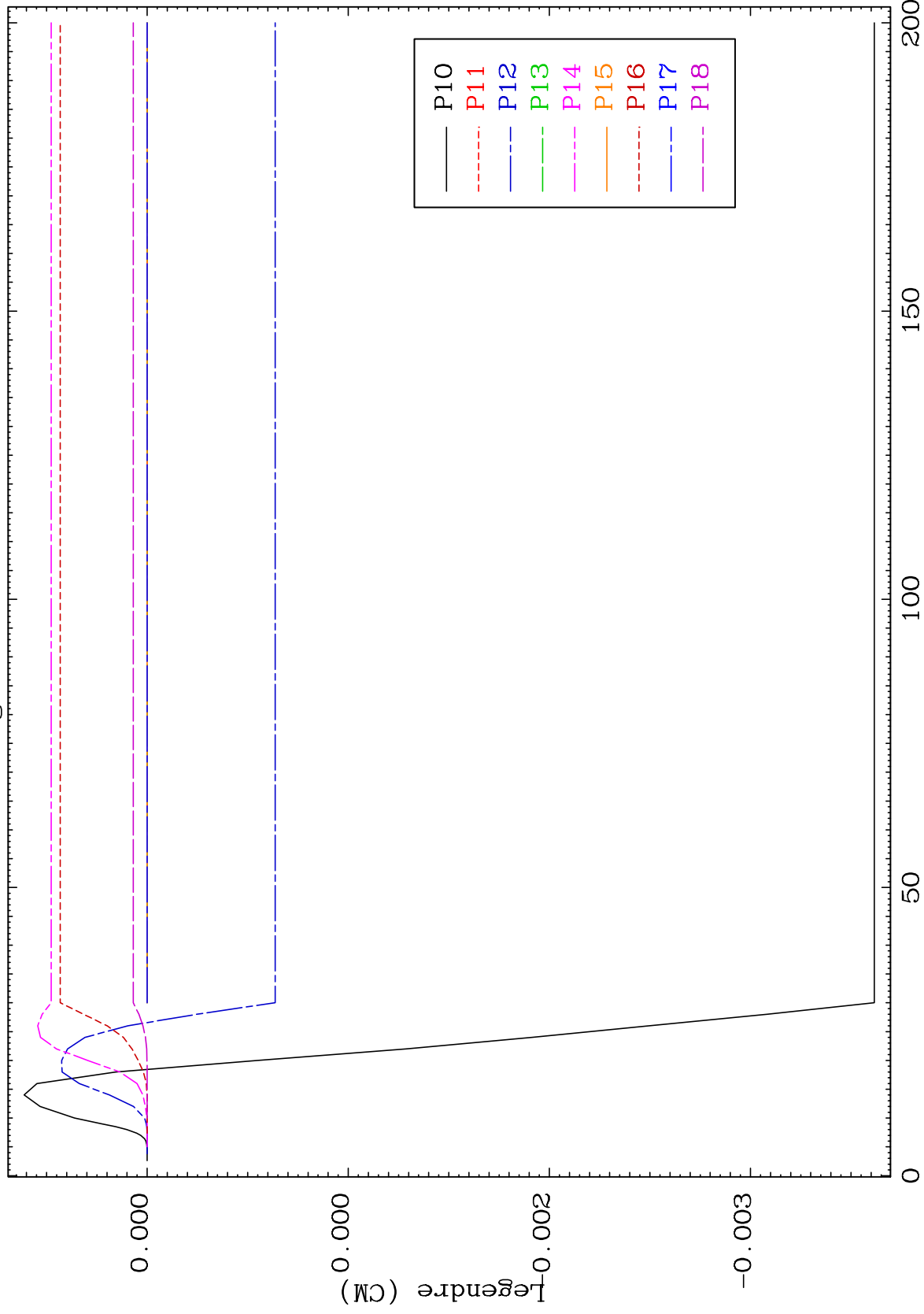
56-Ba-136



MAT 5643

2.431 MeV (n,n') Level
Legendre Coefficients

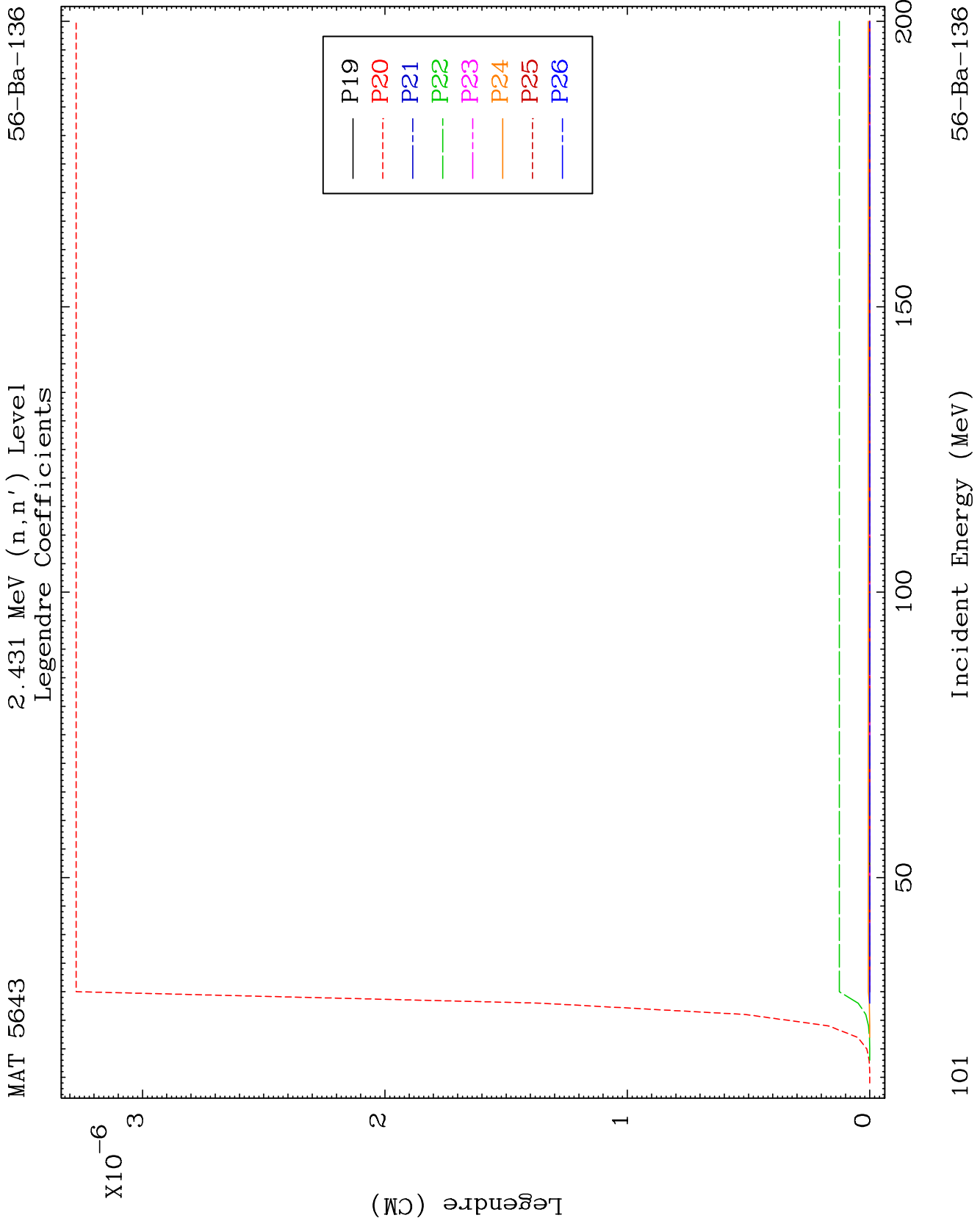
56-Ba-136

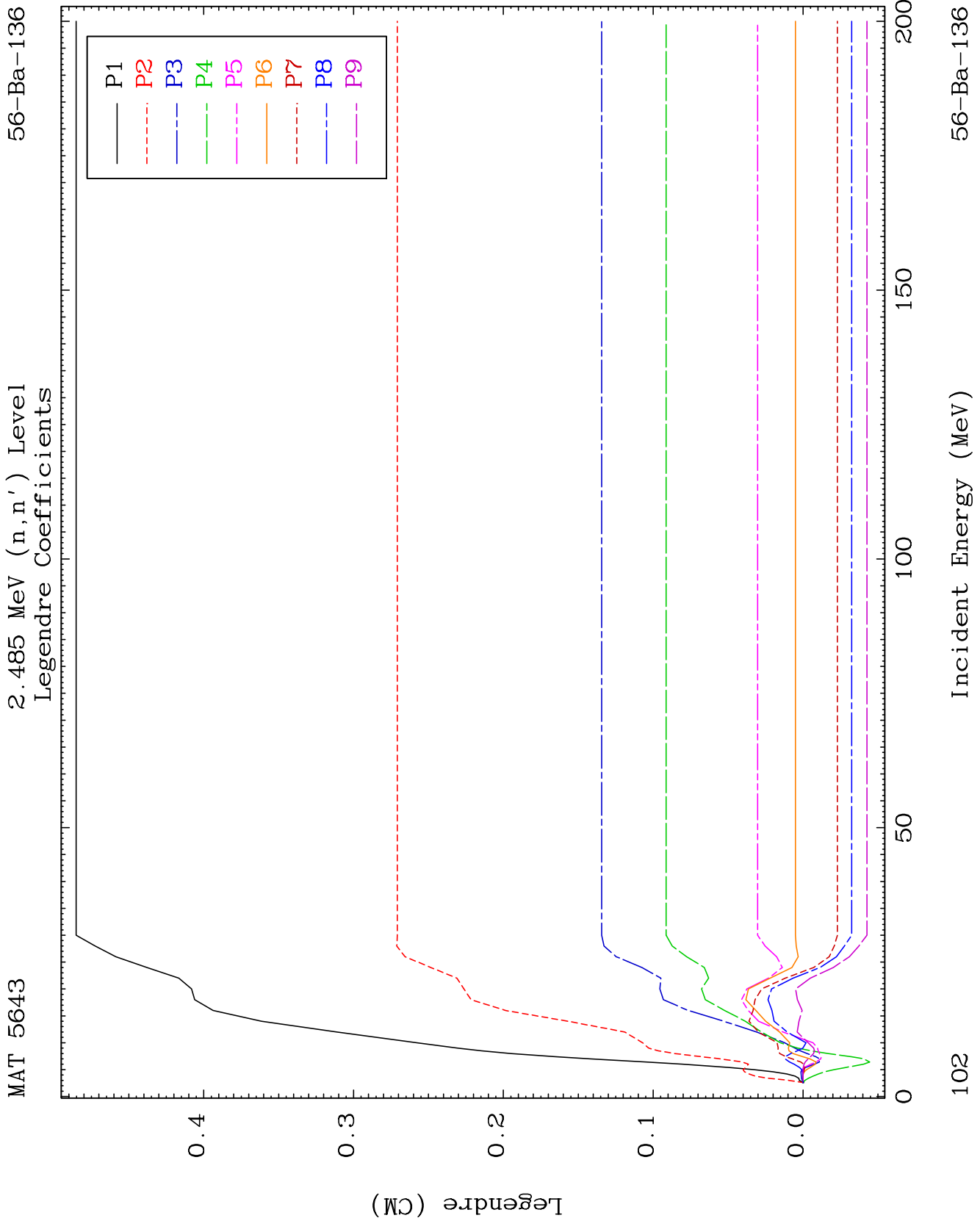


100

Incident Energy (MeV)

56-Ba-136

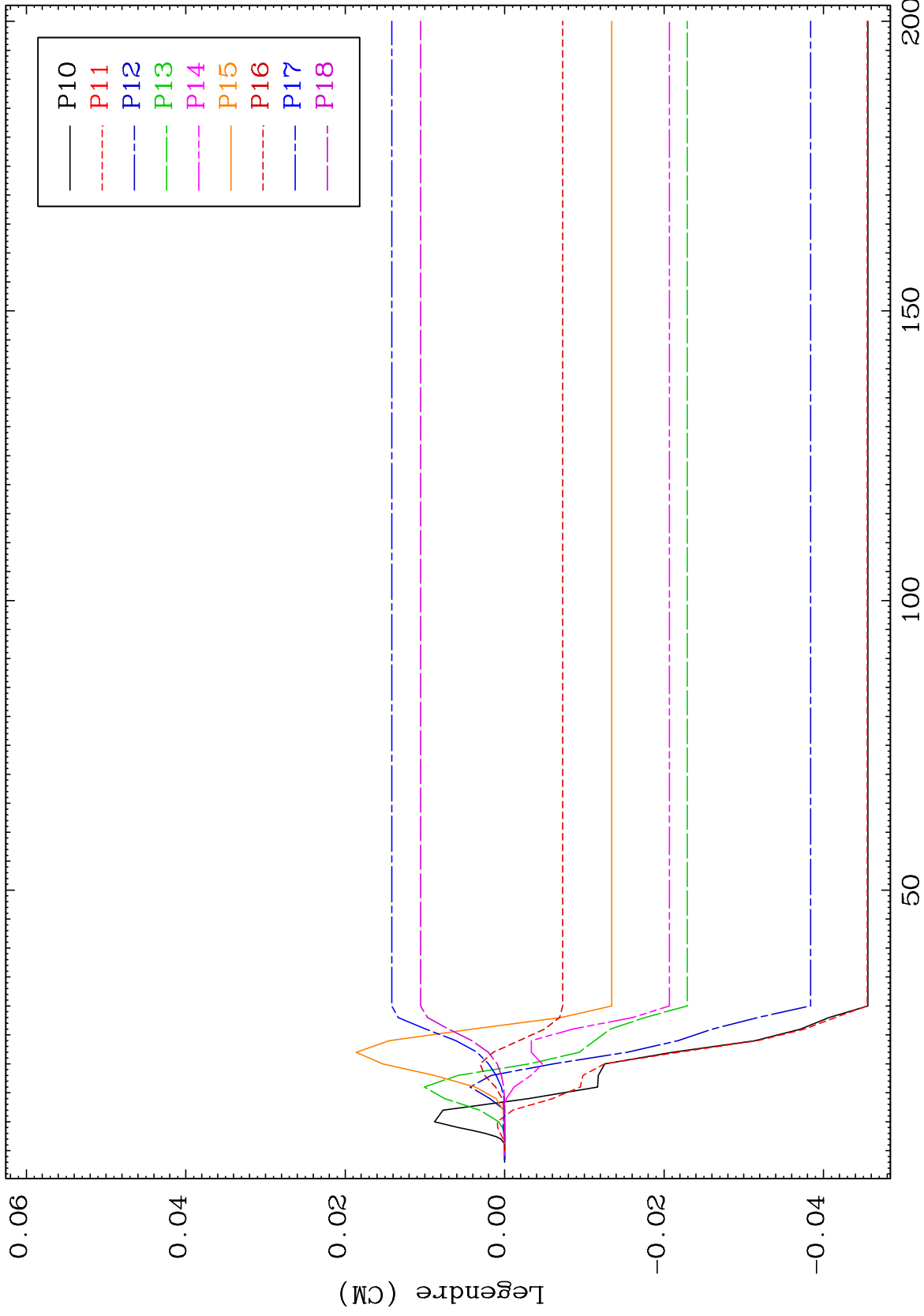




MAT 5643

2.485 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



103

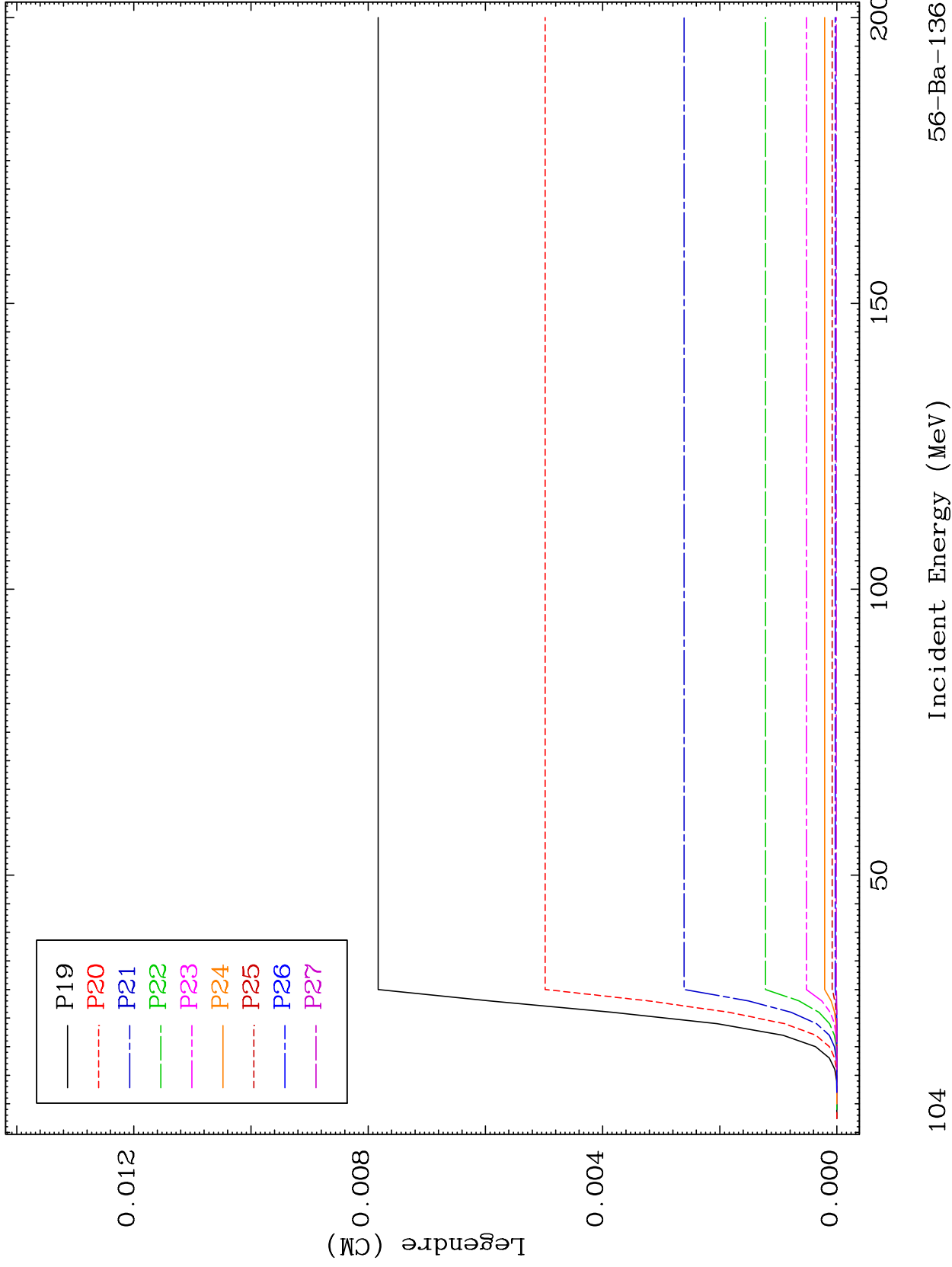
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.485 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



104

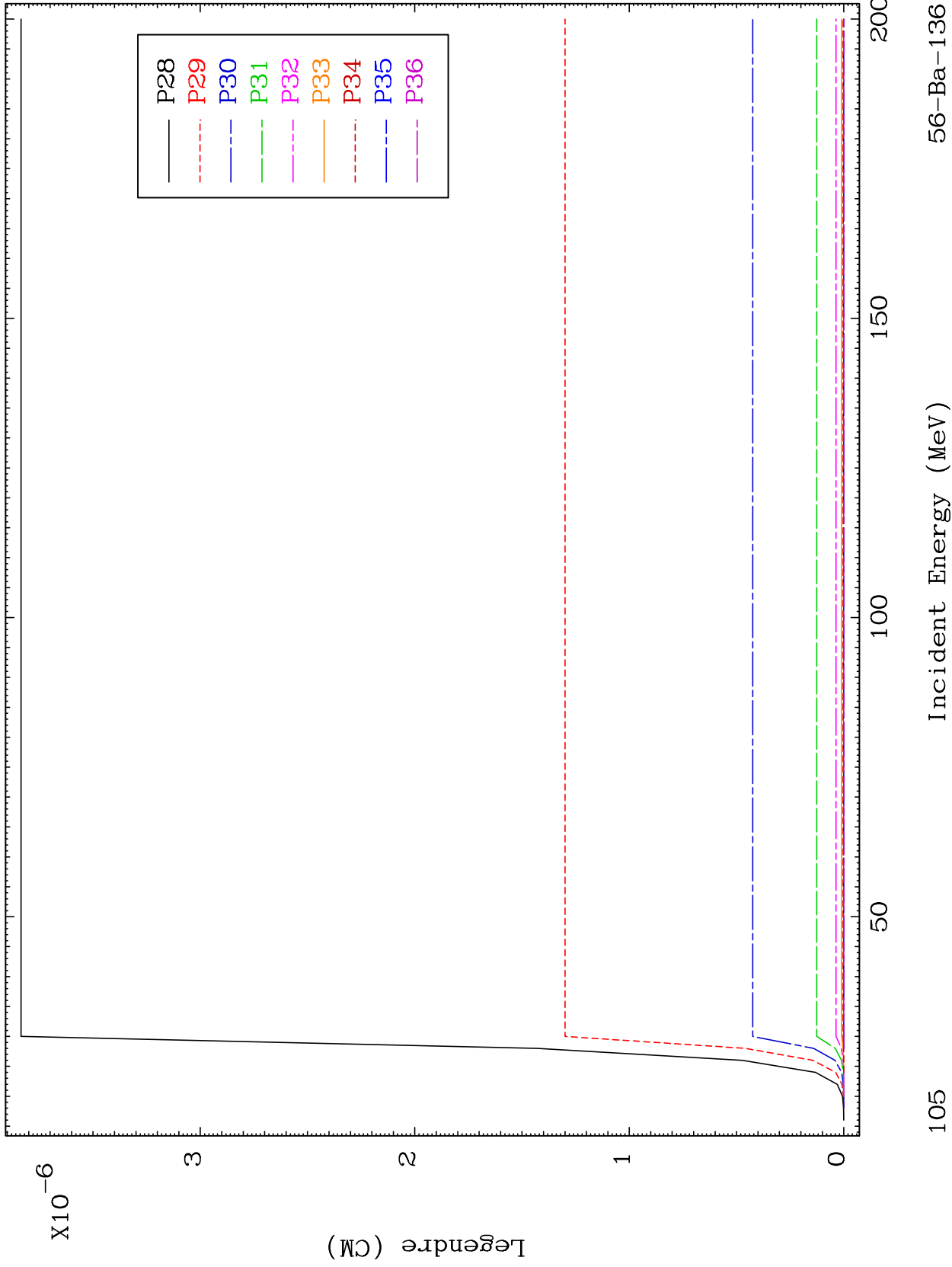
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.485 MeV (n,n') Level
Legendre Coefficients

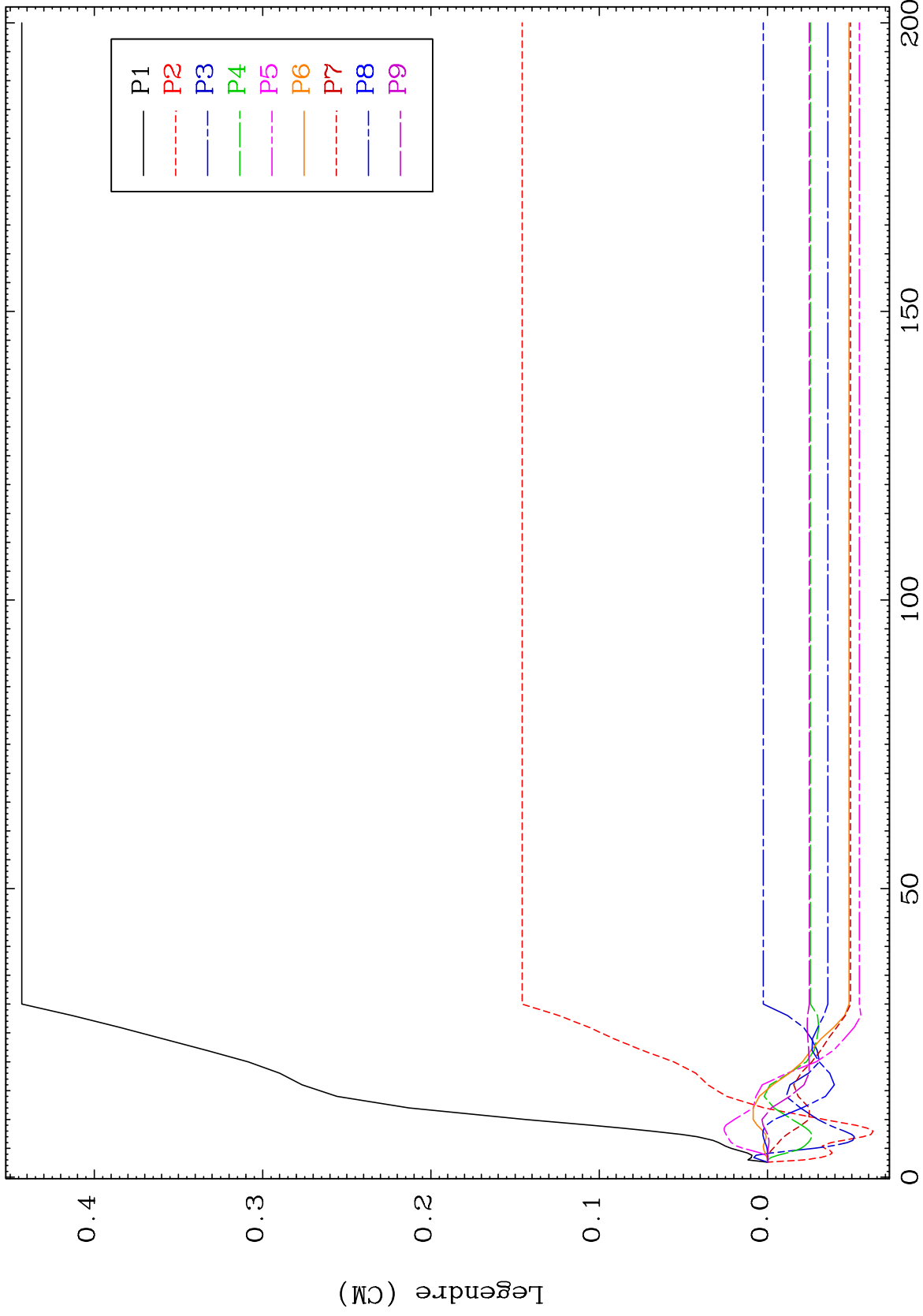
56-Ba-136



MAT 5643

2.533 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



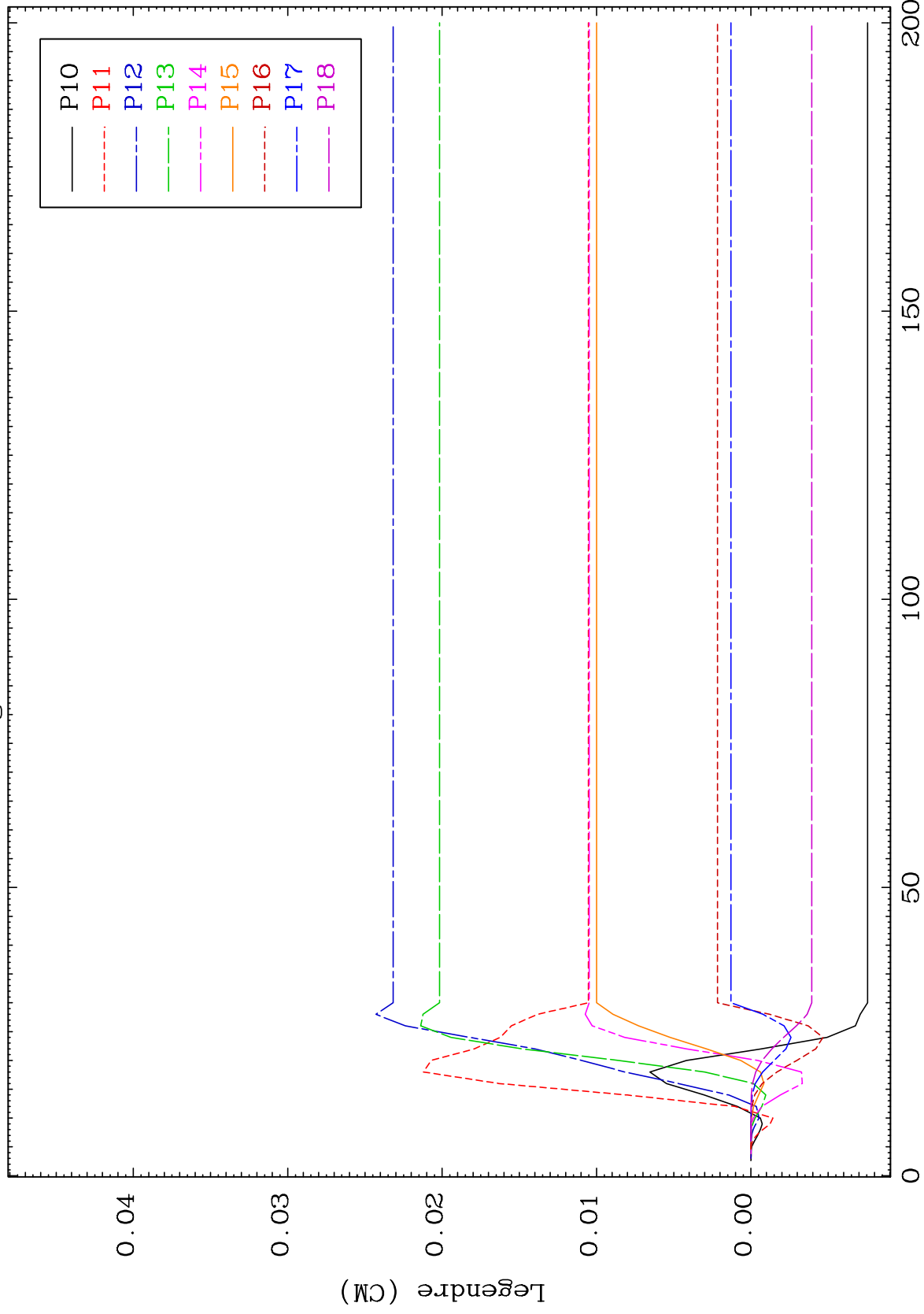
106

56-Ba-136

MAT 5643

2.533 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



107

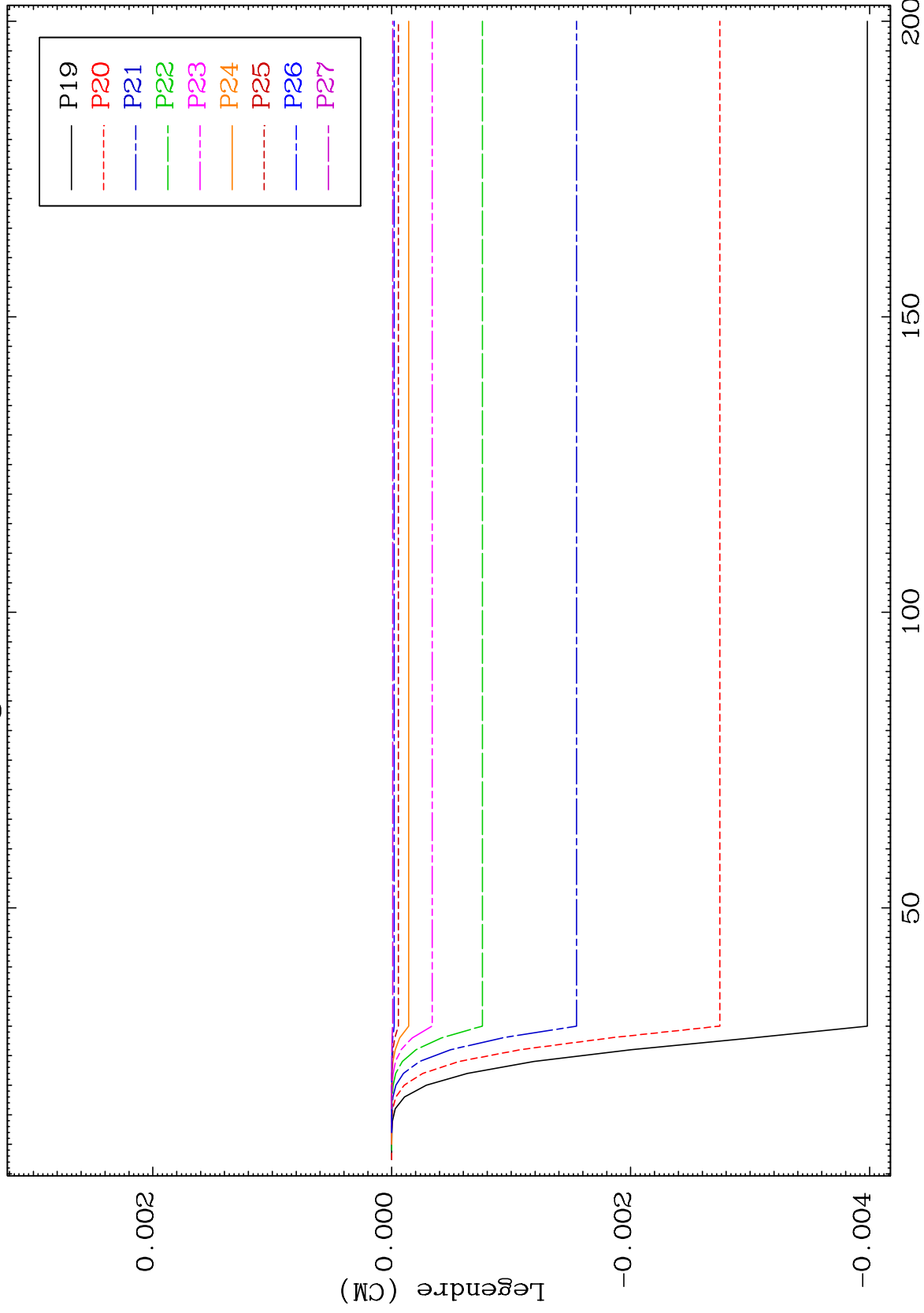
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.533 MeV (n,n') Level
Legendre Coefficients

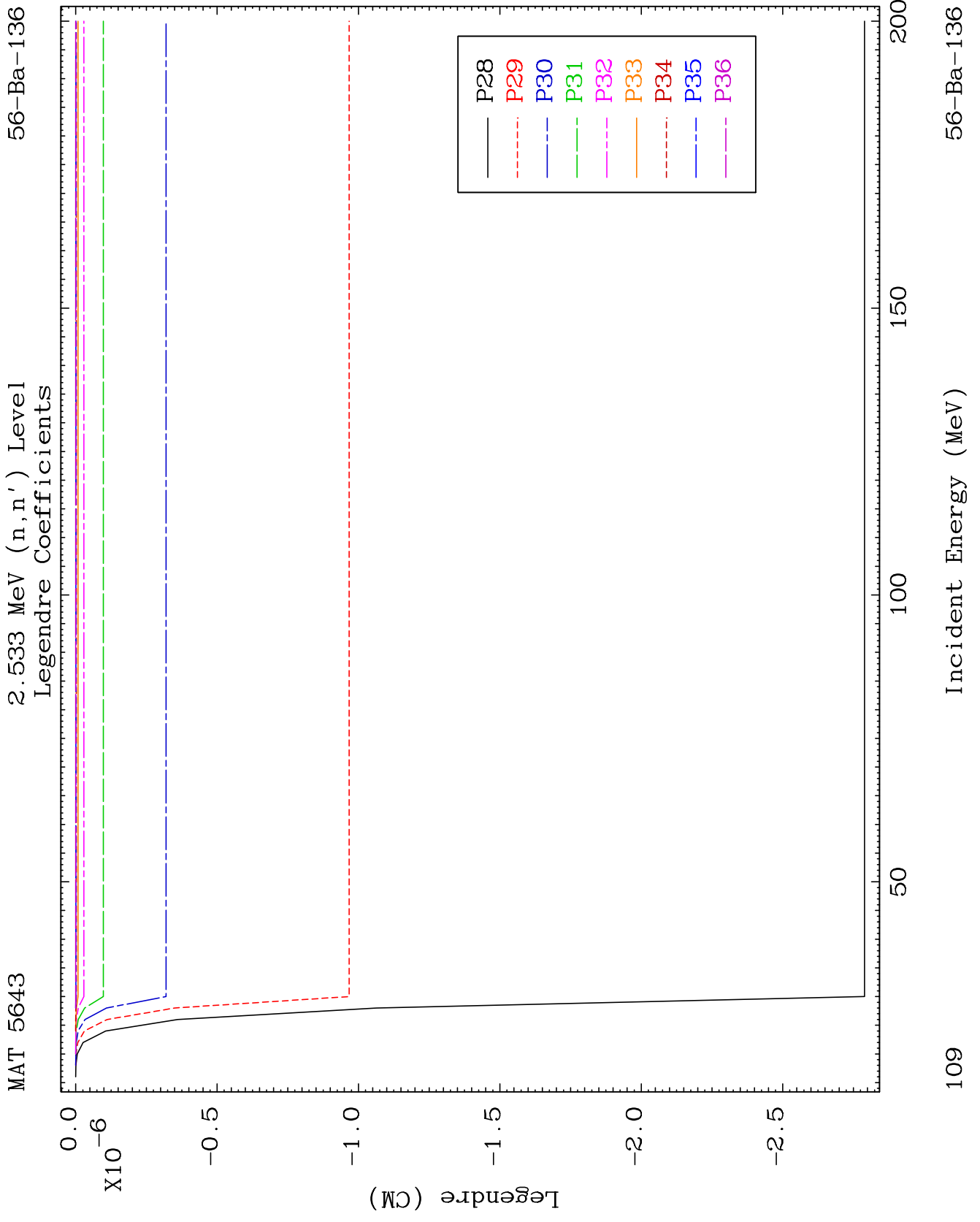
56-Ba-136

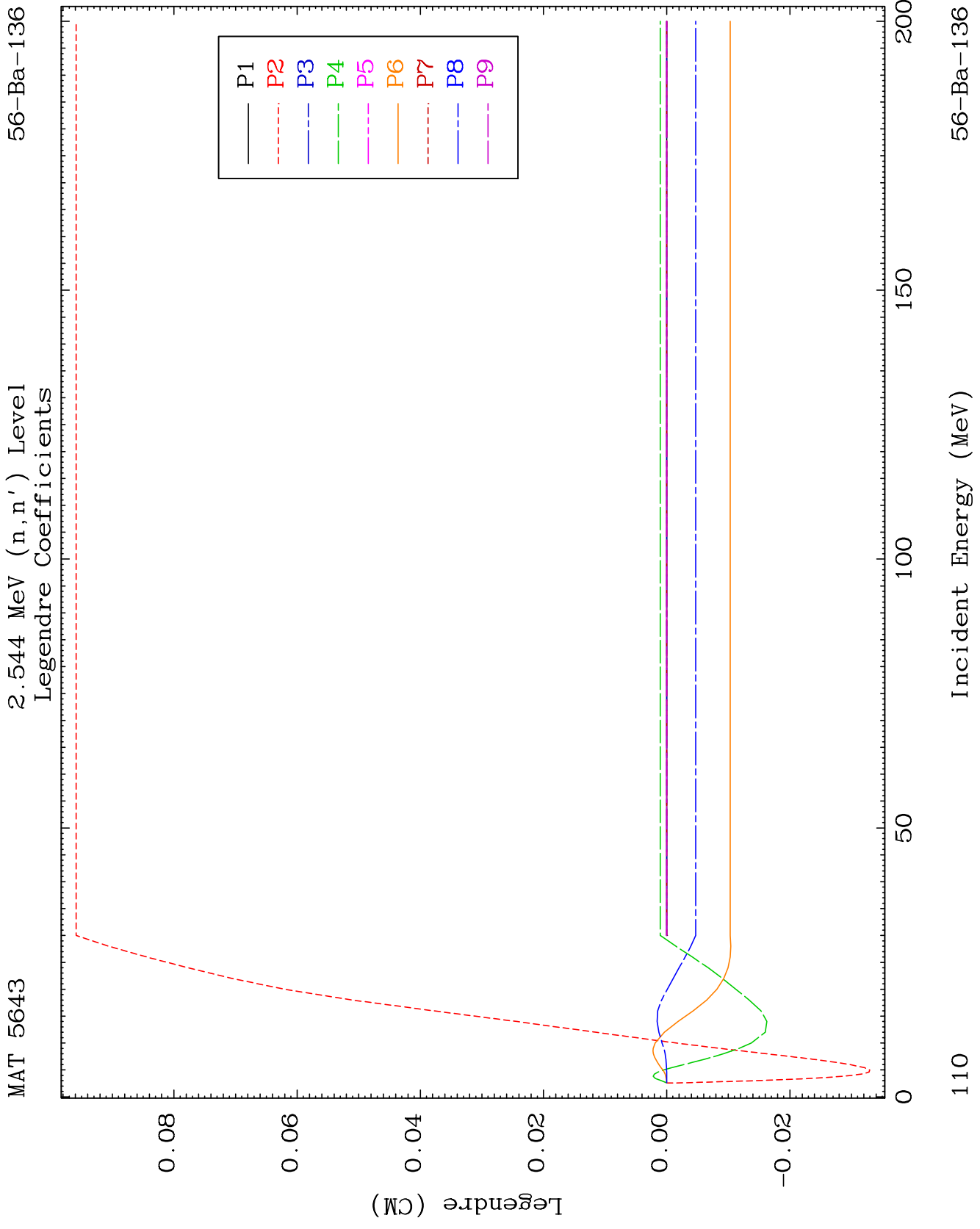


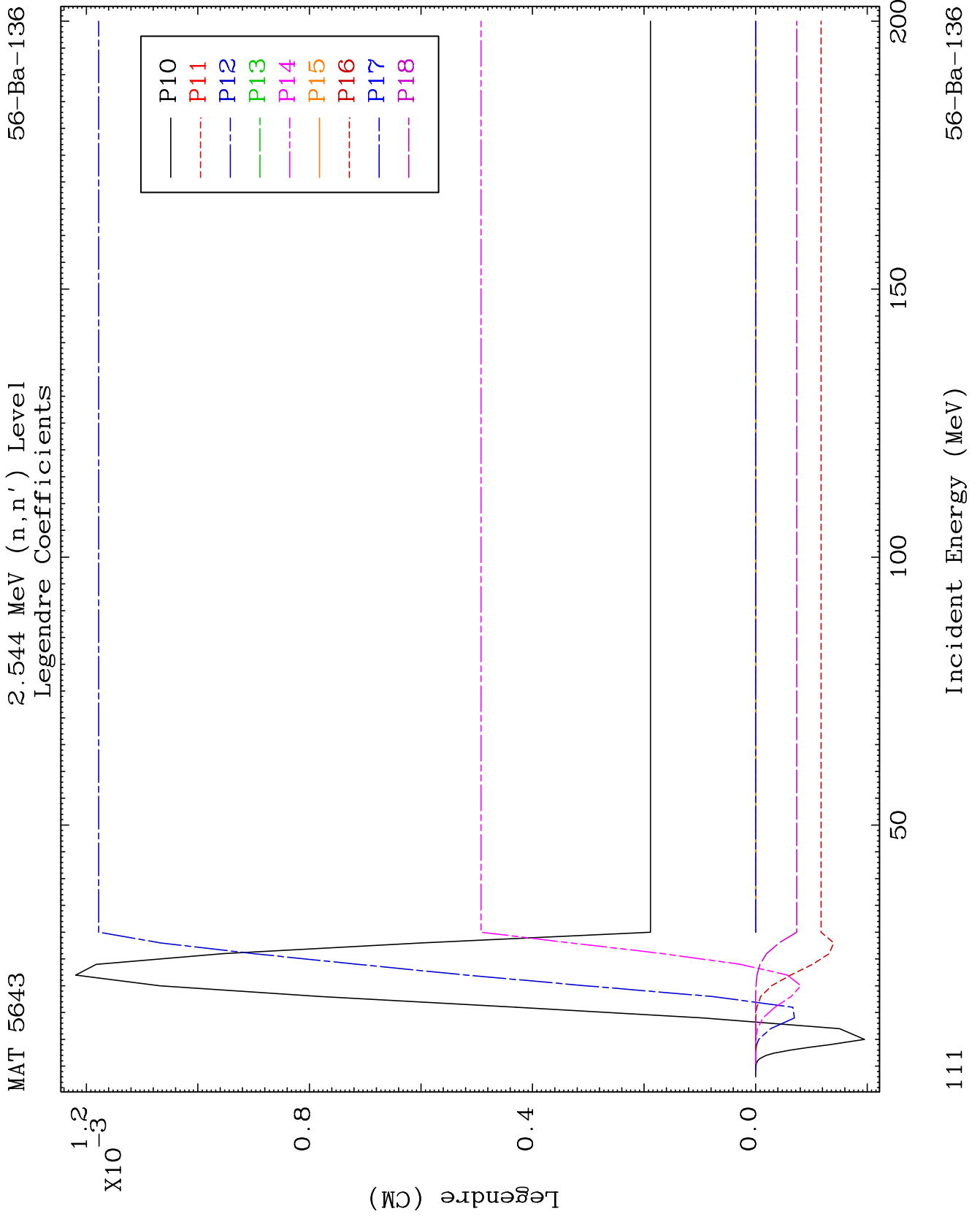
108

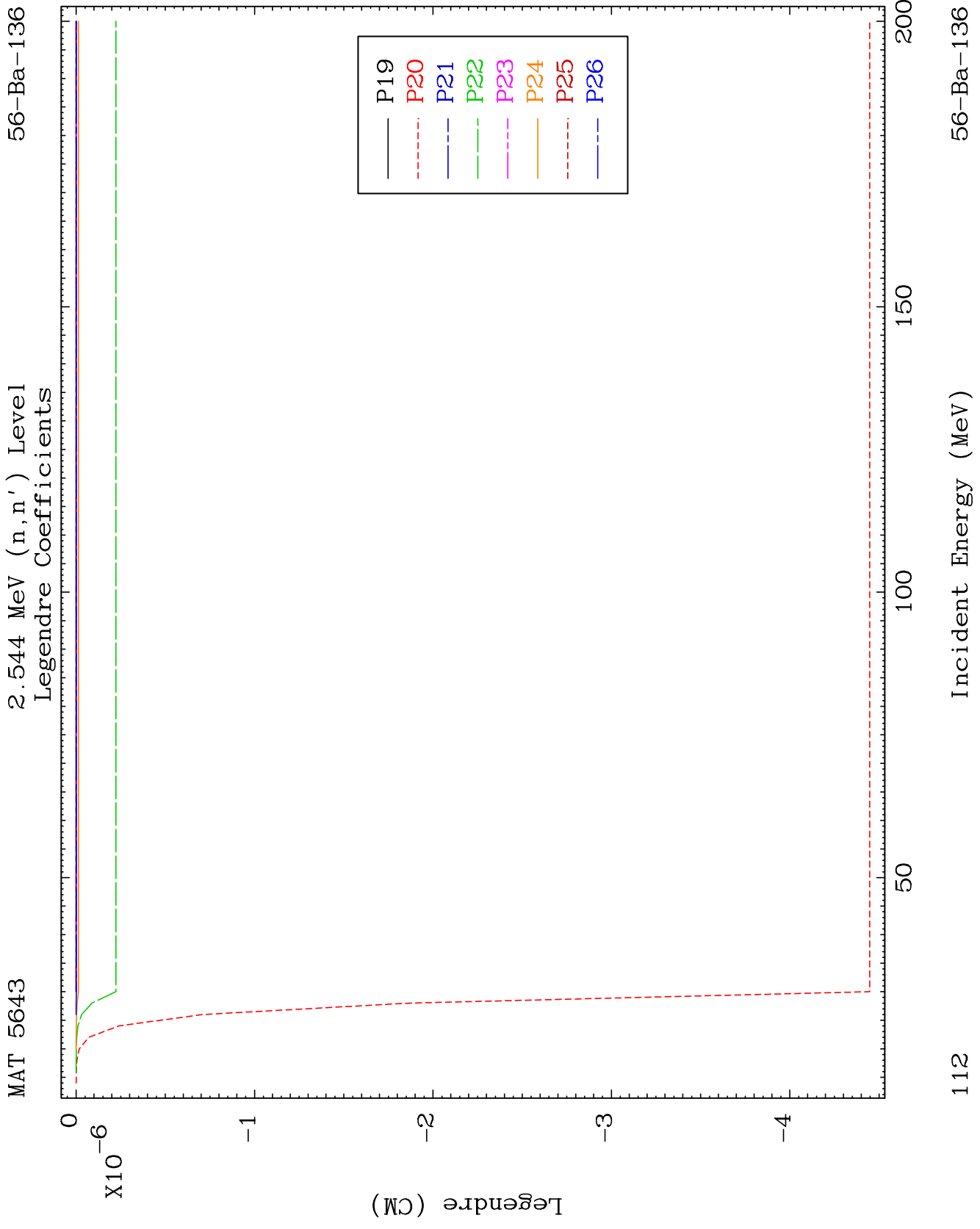
Incident Energy (MeV)

56-Ba-136





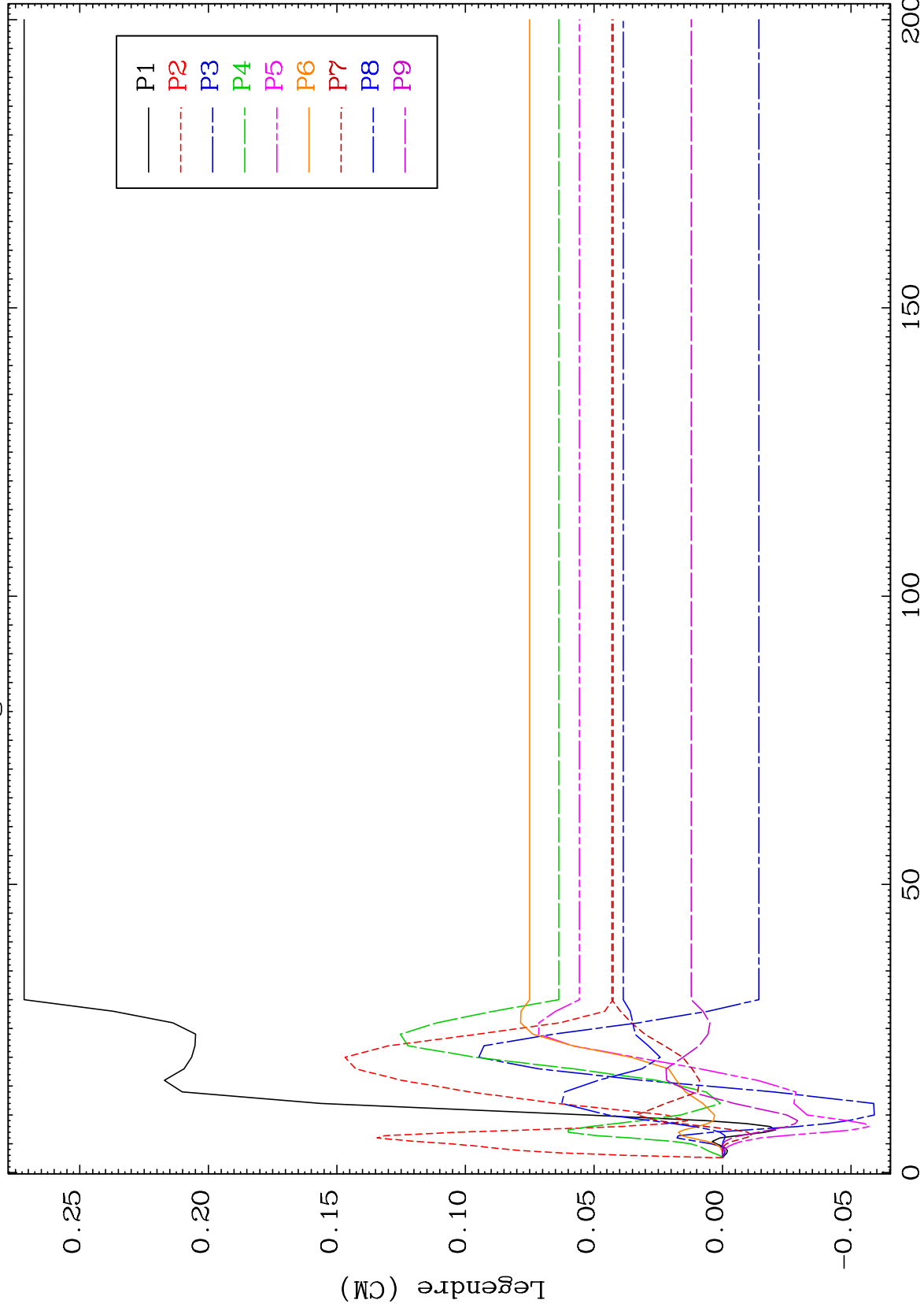




MAT 5643

2.562 MeV (n,n') Level
Legendre Coefficients

56-Ba-136



113

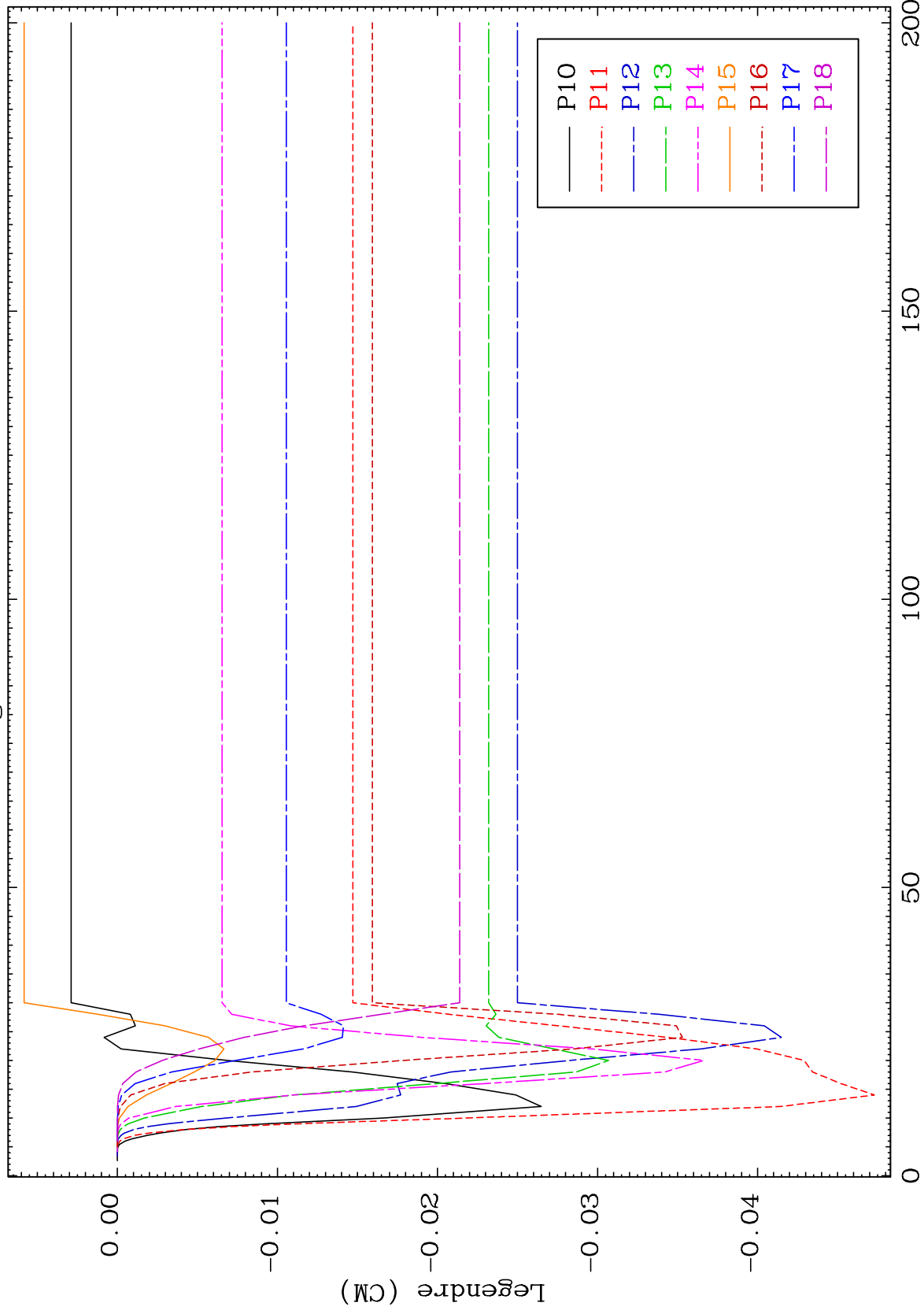
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.562 MeV (n, n') Level
Legendre Coefficients

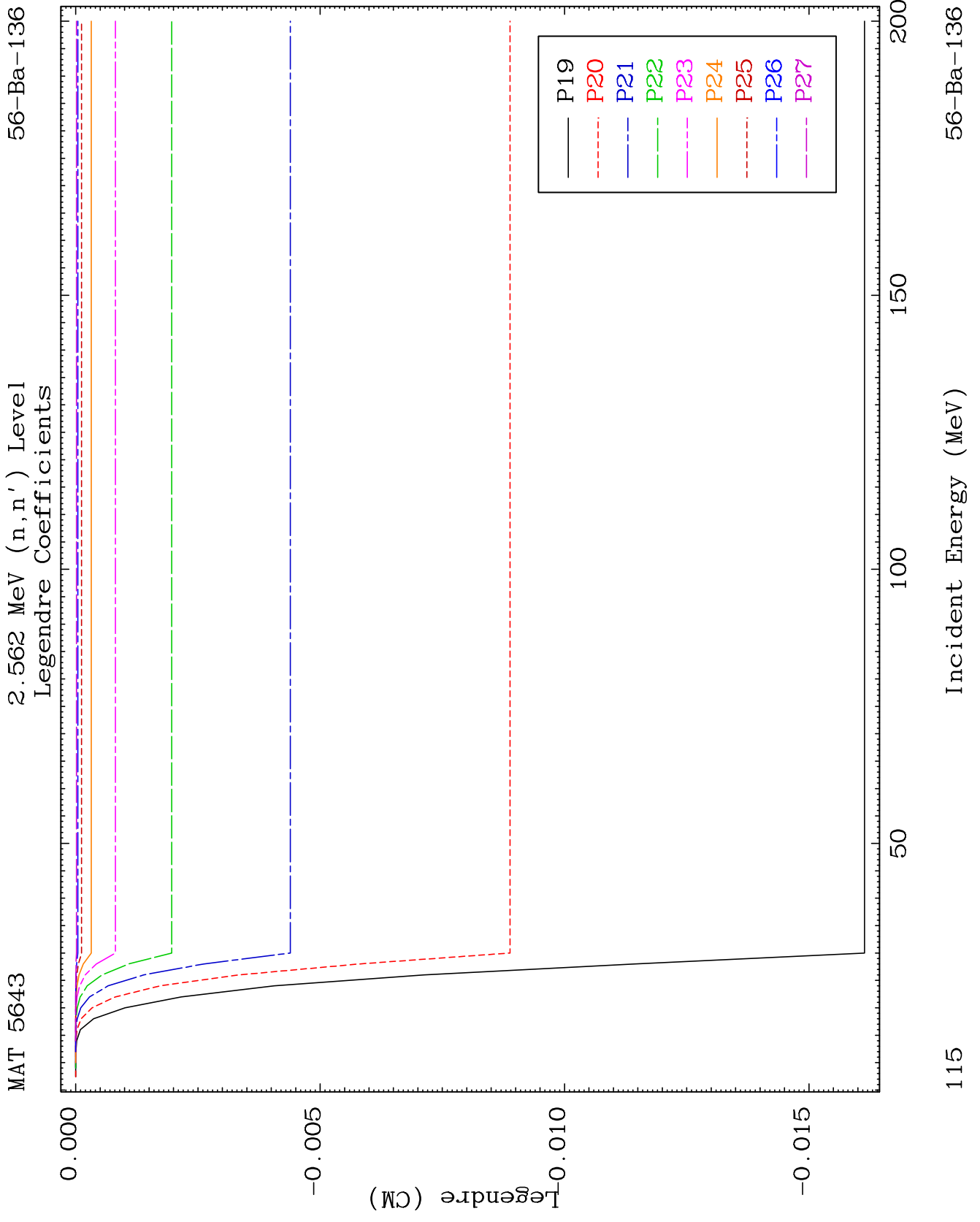
56-Ba-136

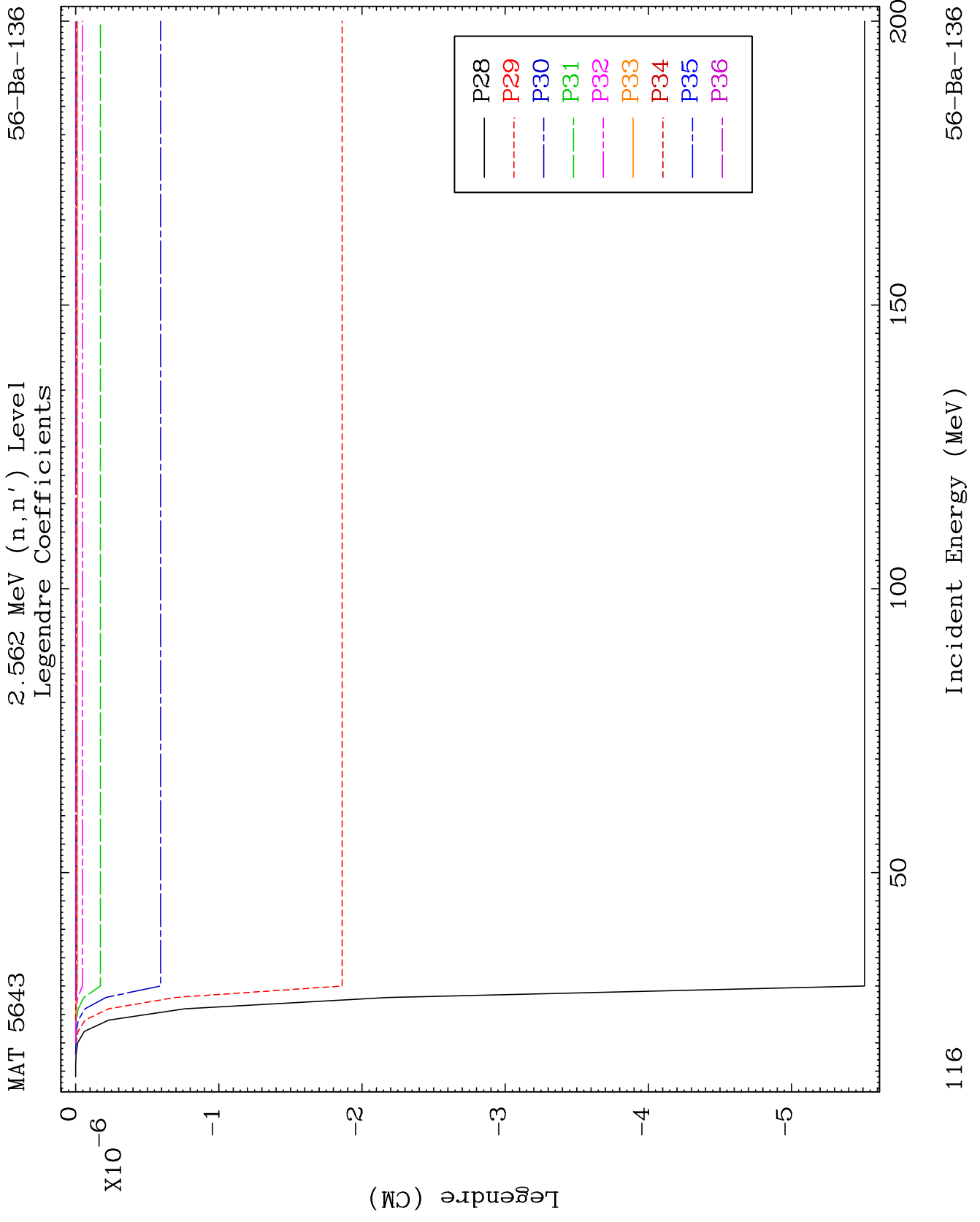


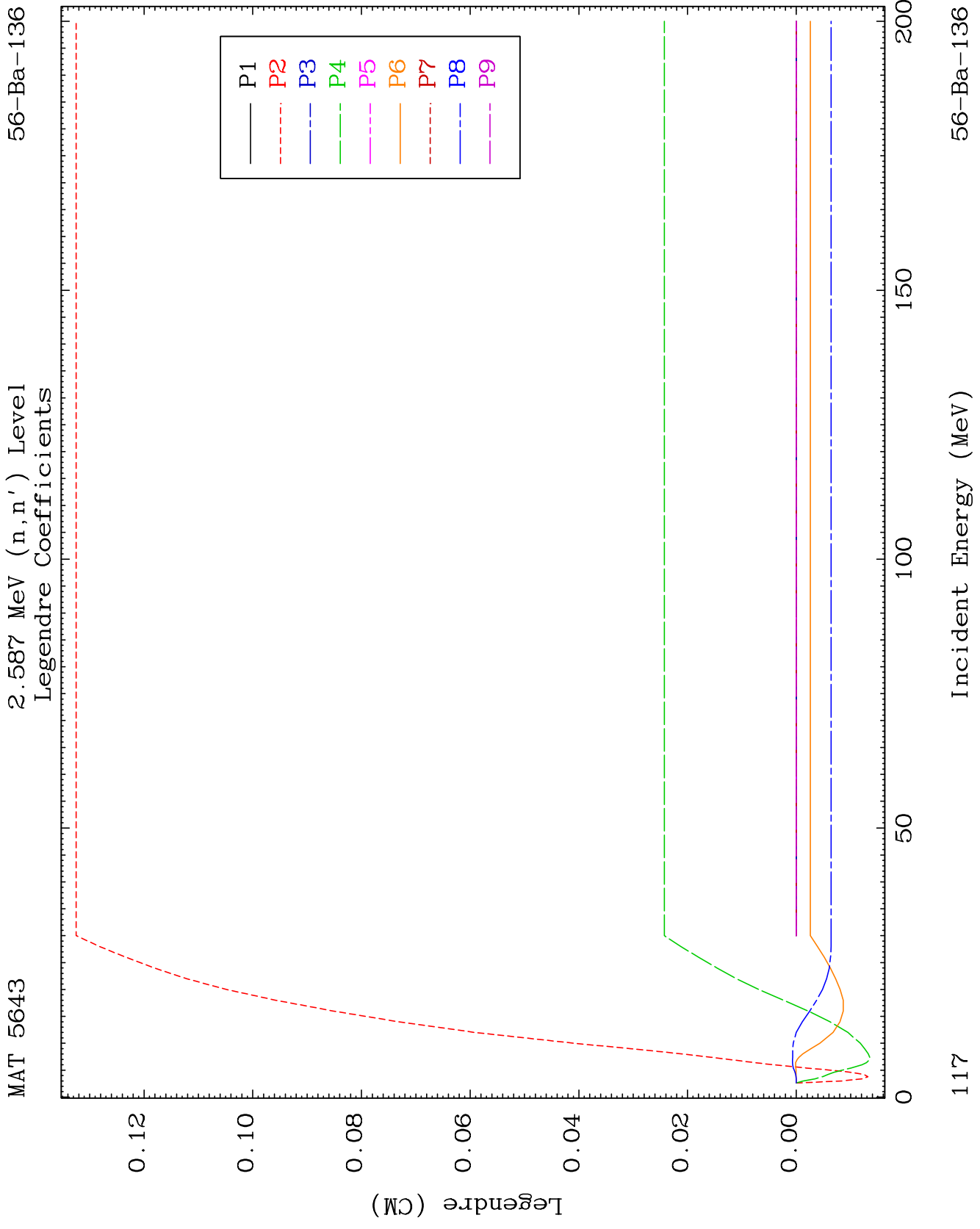
114

Incident Energy (MeV)

56-Ba-136



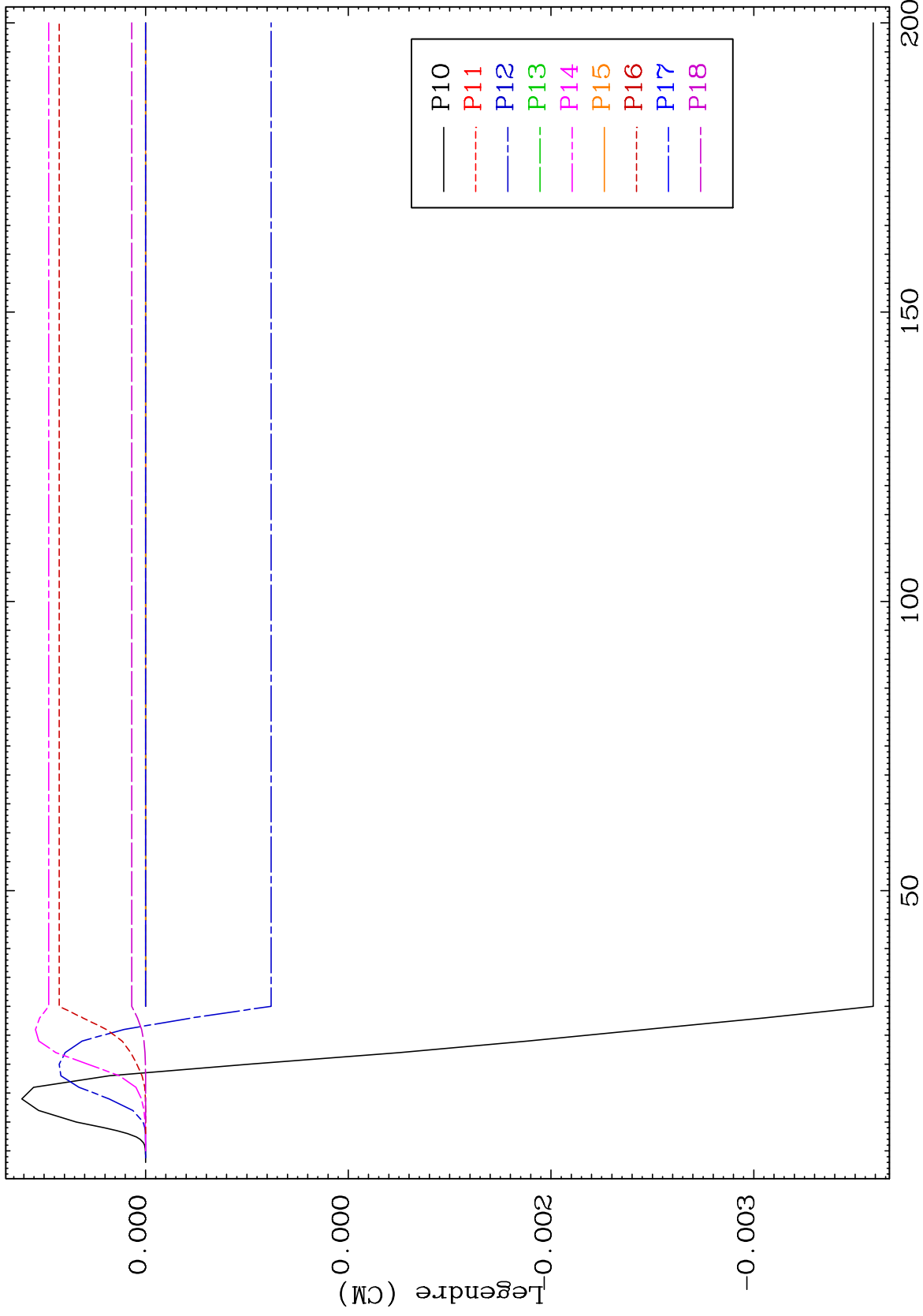




MAT 5643

2.587 MeV (n,n') Level
Legendre Coefficients

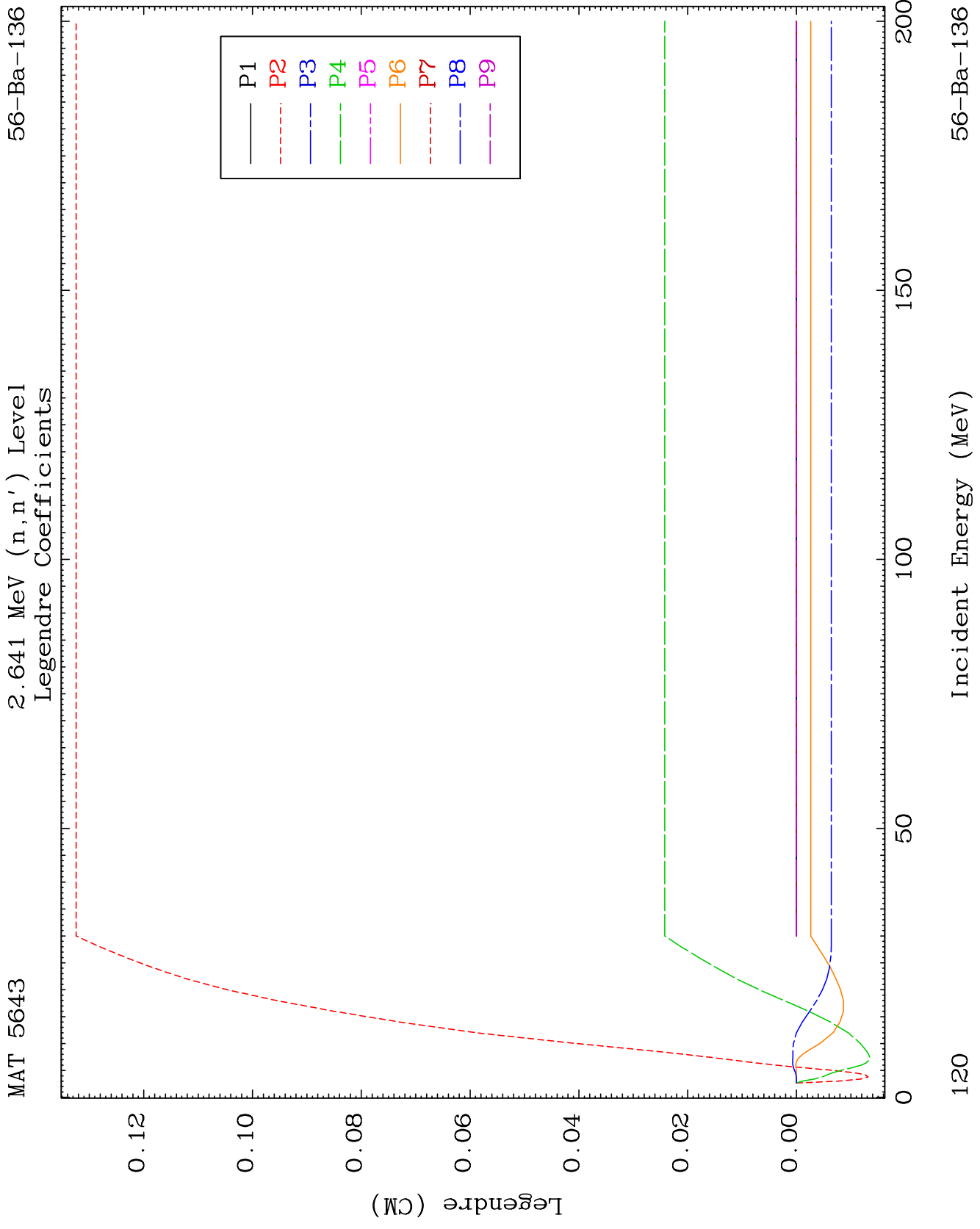
56-Ba-136



118

Incident Energy (MeV)

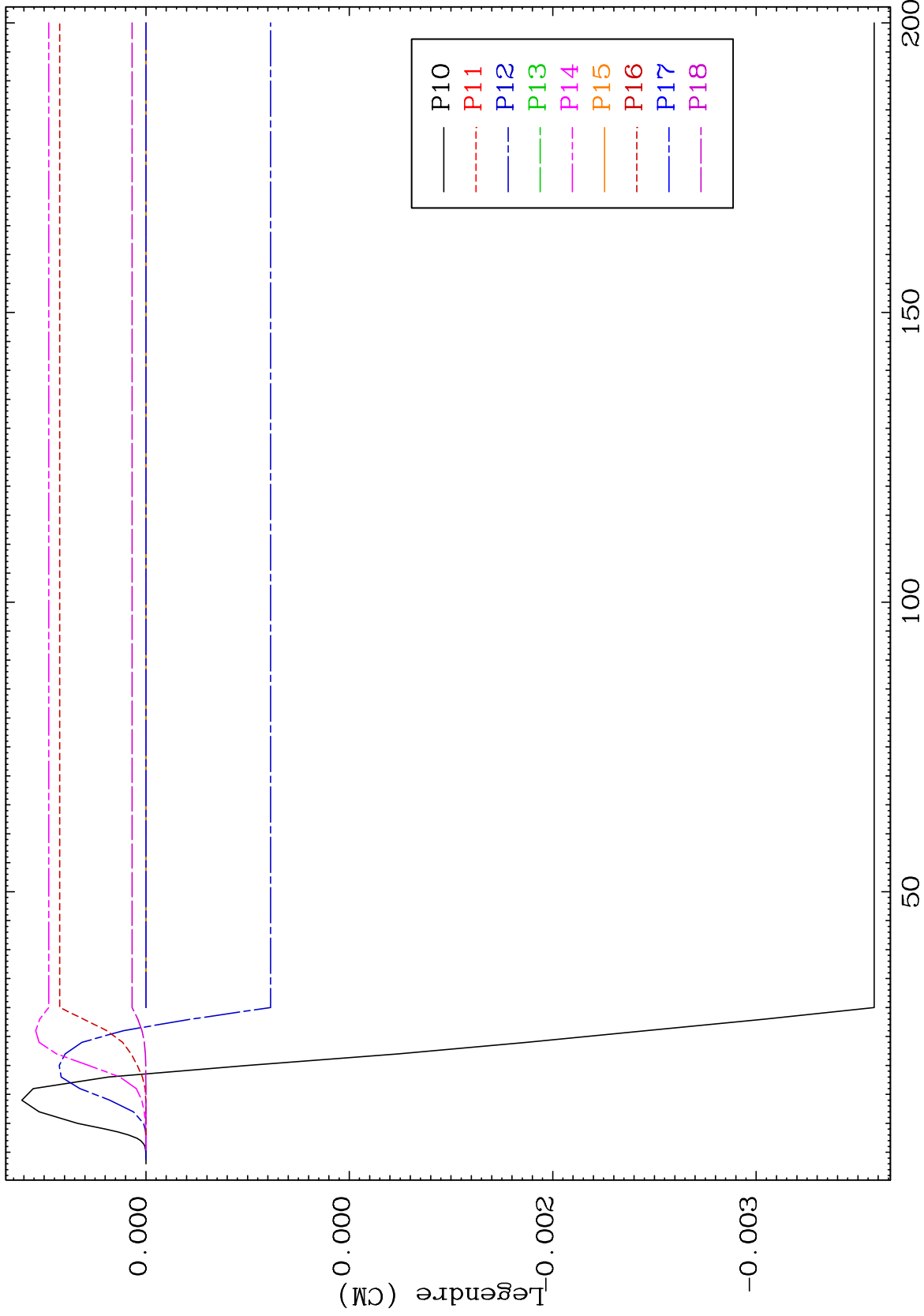
56-Ba-136



MAT 5643

2.641 MeV (n,n') Level
Legendre Coefficients

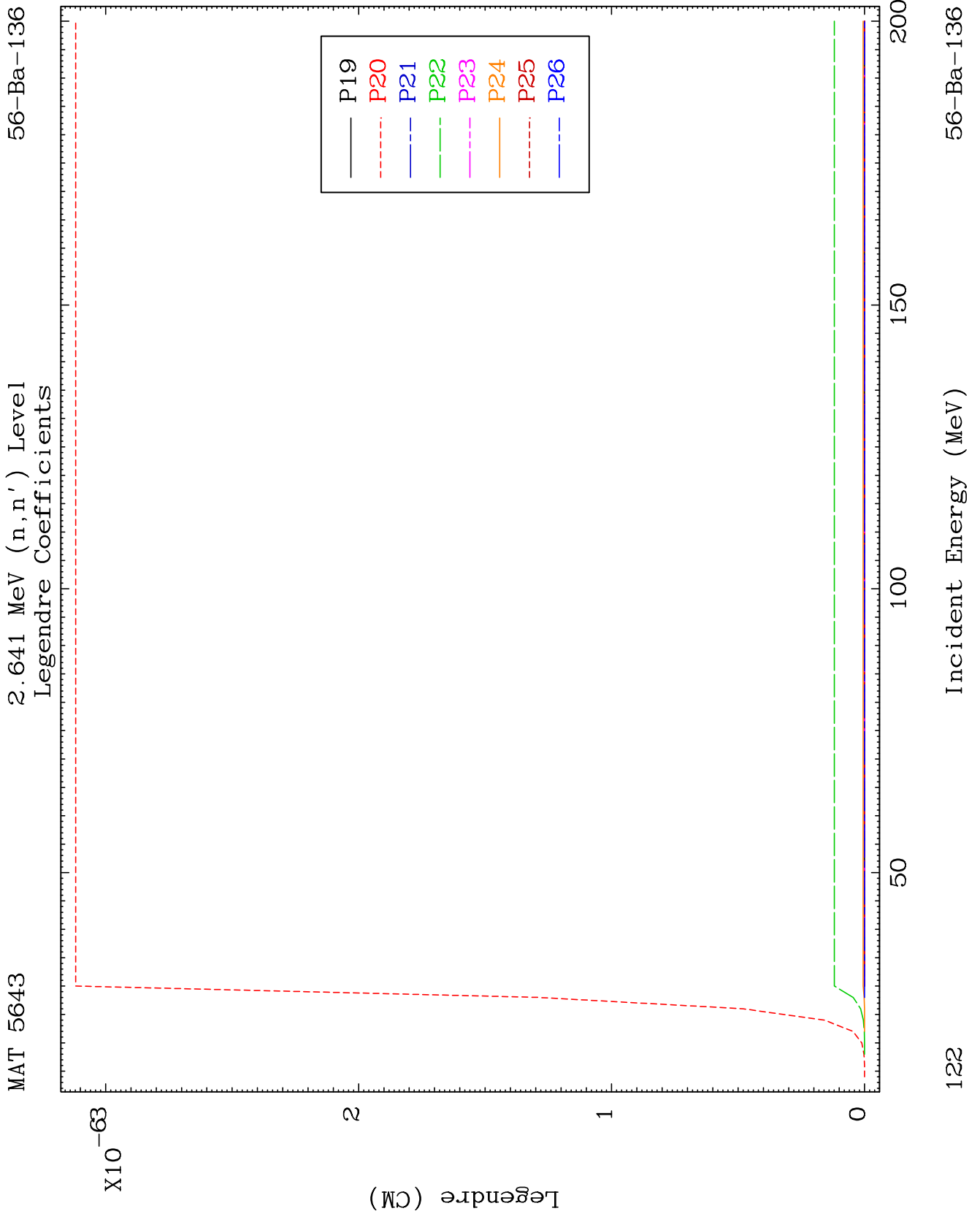
56-Ba-136

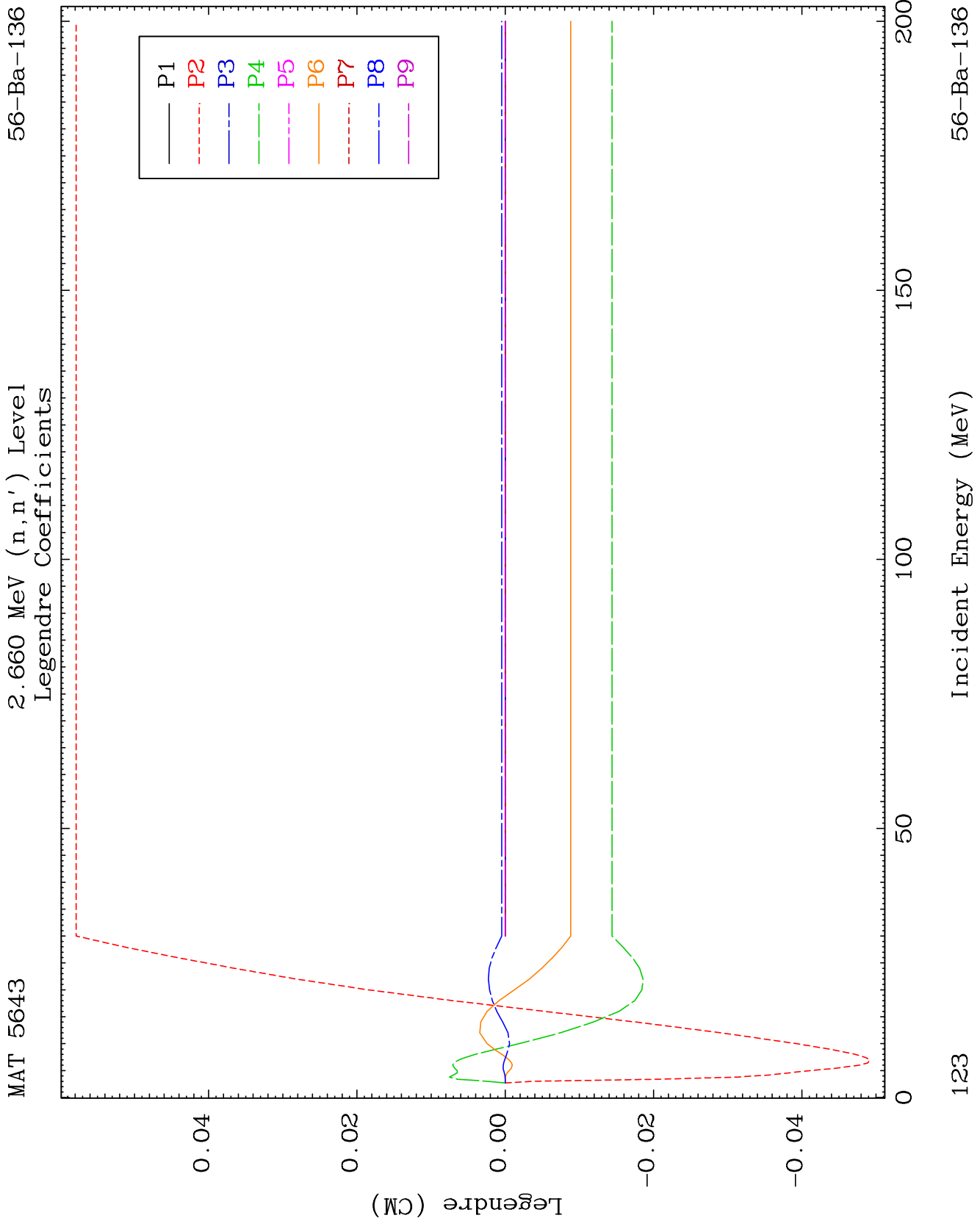


121

Incident Energy (MeV)

56-Ba-136

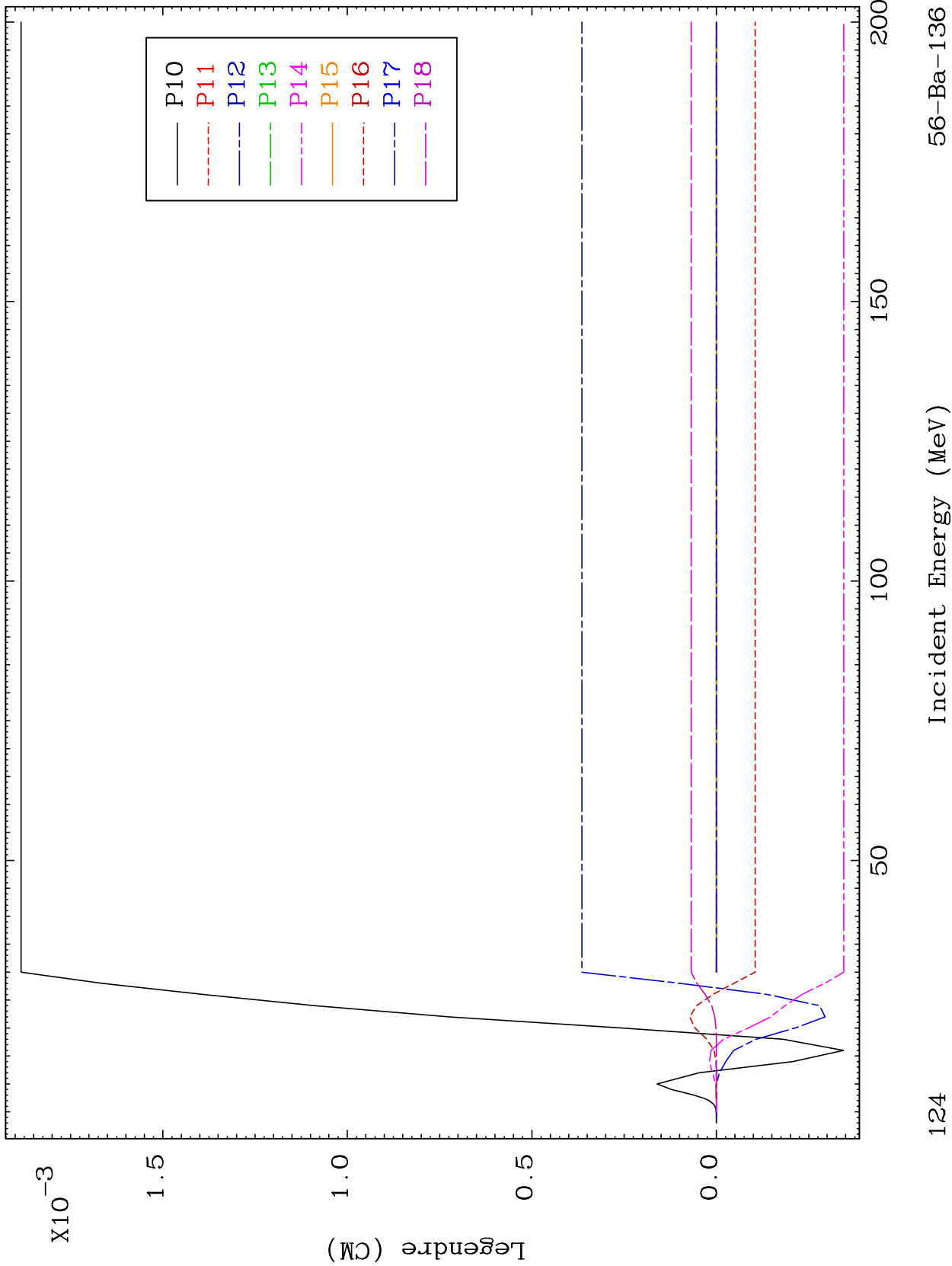




MAT 5643

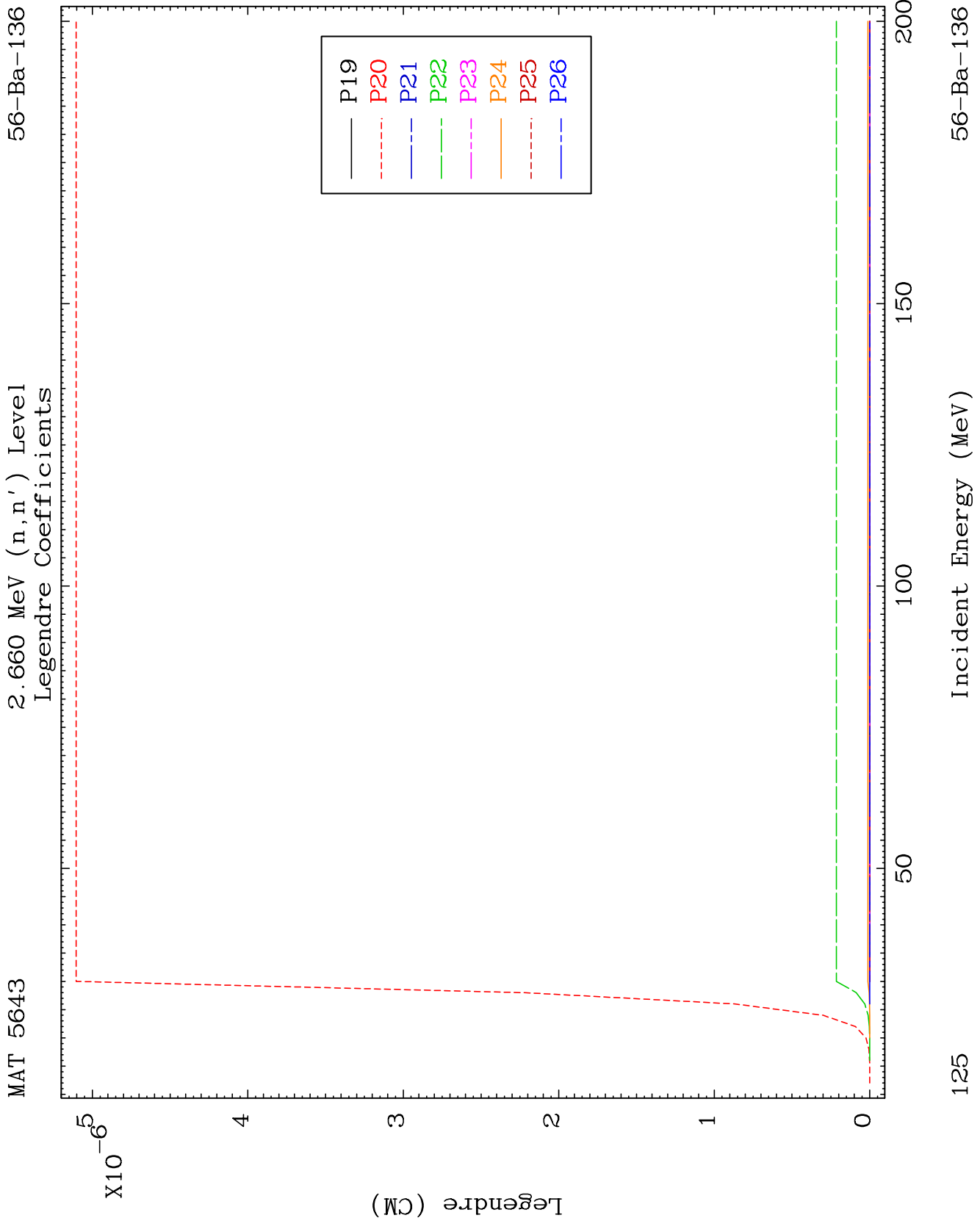
2.660 MeV (n, n') Level
Legendre Coefficients

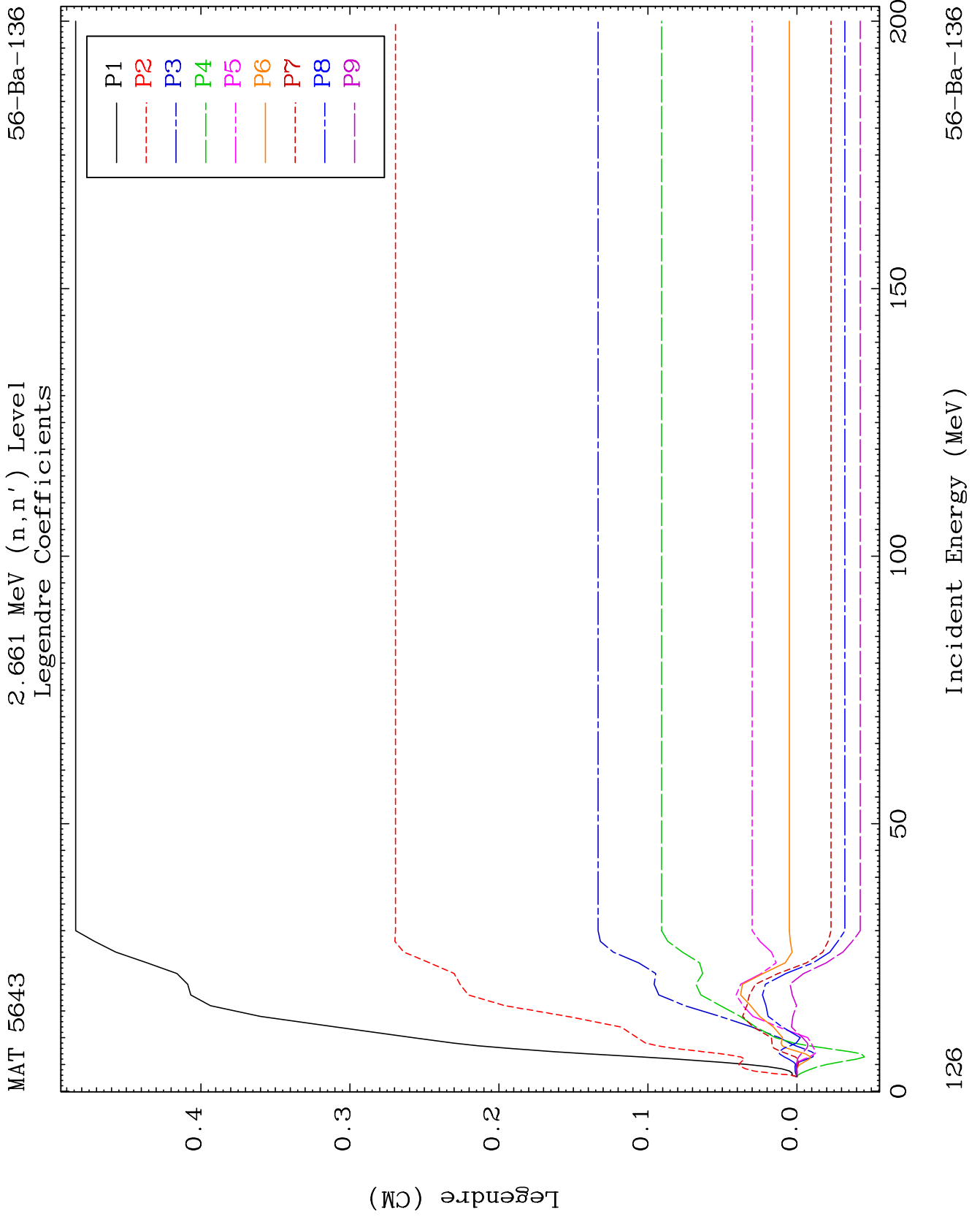
56-Ba-136



124

56-Ba-136

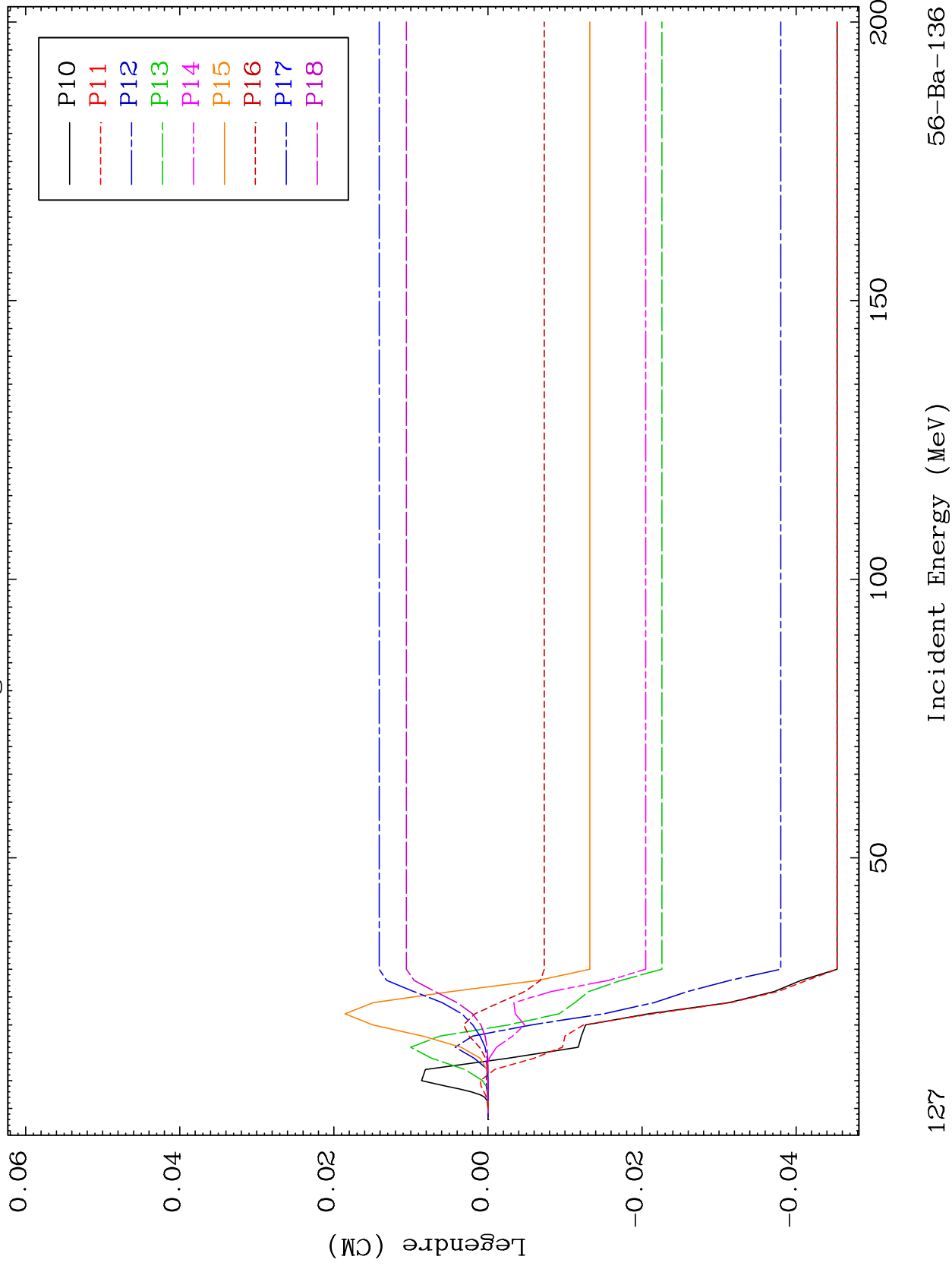




MAT 5643

2.661 MeV (n,n') Level
Legendre Coefficients

56-Ba-136

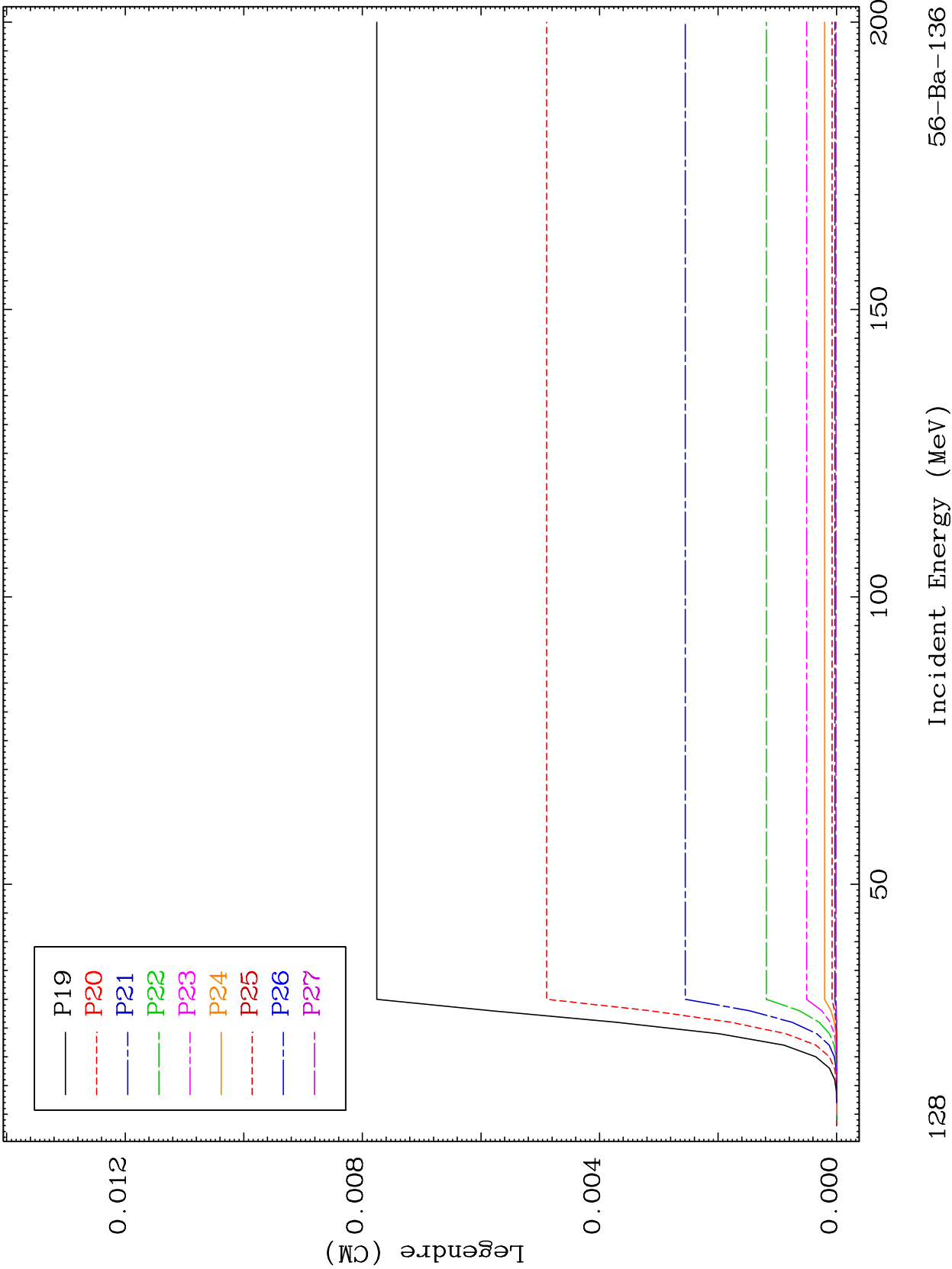


127

MAT 5643

2.661 MeV (n, n') Level
Legendre Coefficients

56-Ba-136



128

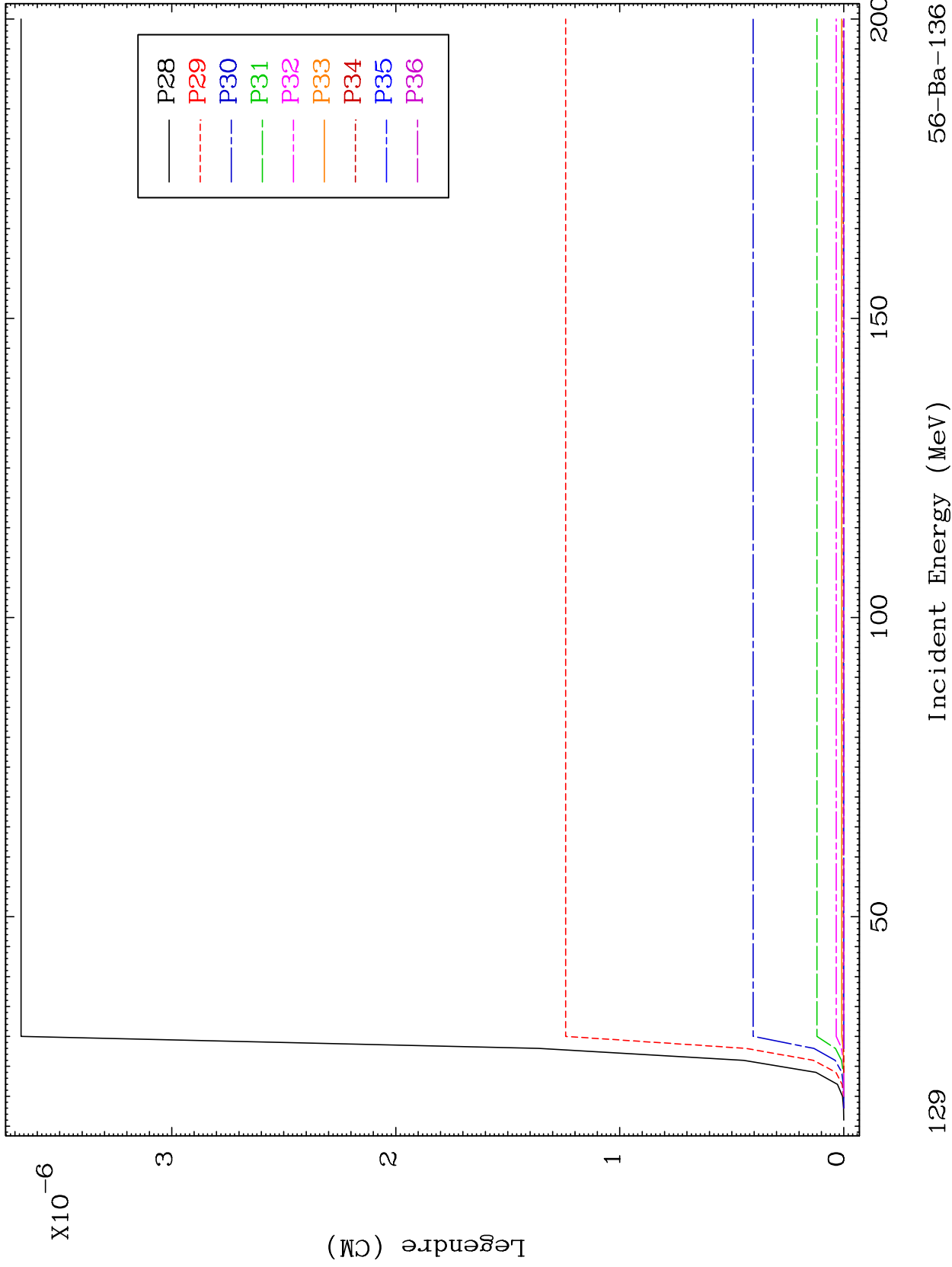
Incident Energy (MeV)

56-Ba-136

MAT 5643

2.661 MeV (n,n') Level
Legendre Coefficients

56-Ba-136

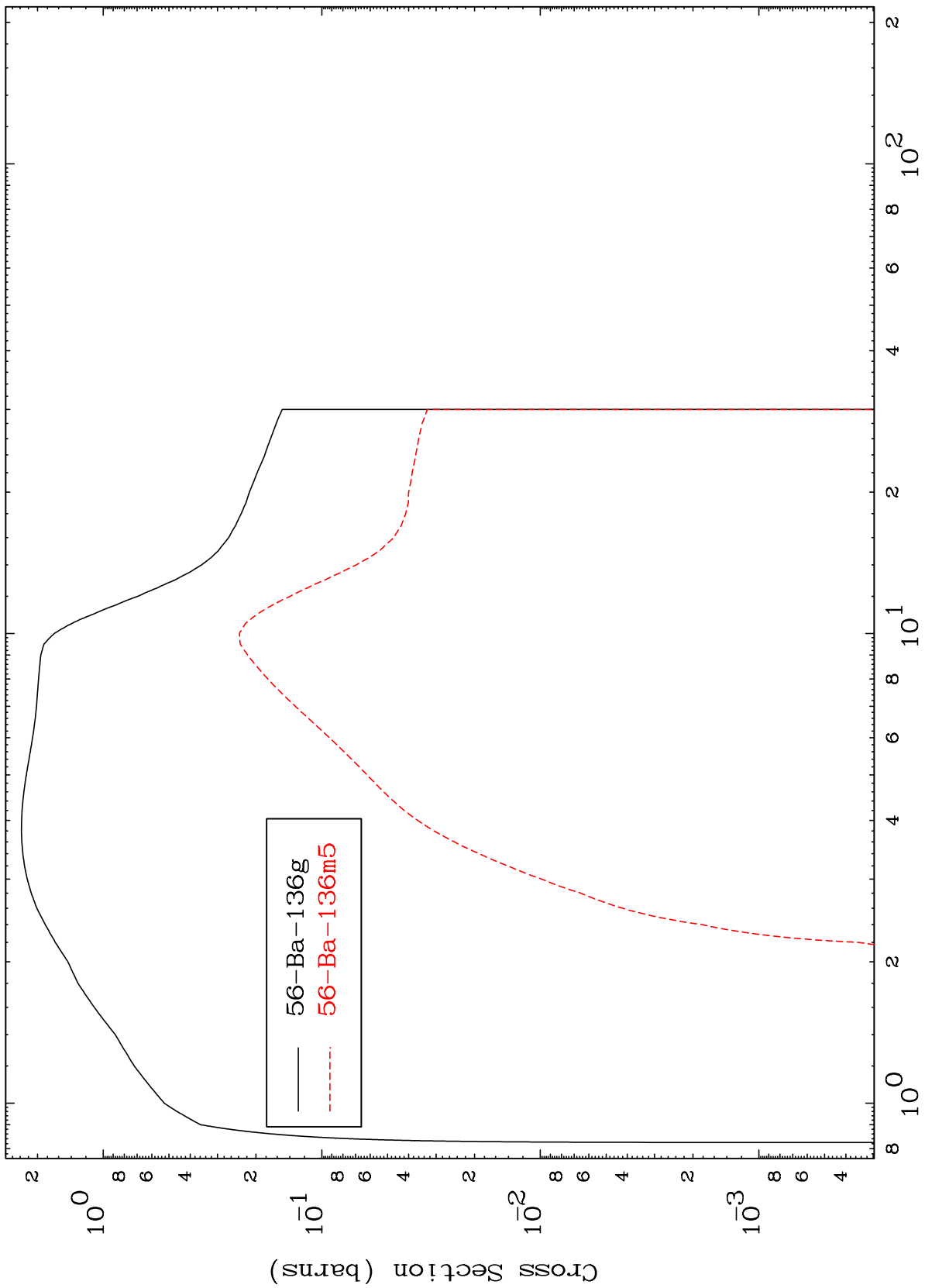


129

MAT 5643

56-Ba-136

Inelastic Radionuclide Production Cross Section



Incident Energy (MeV)

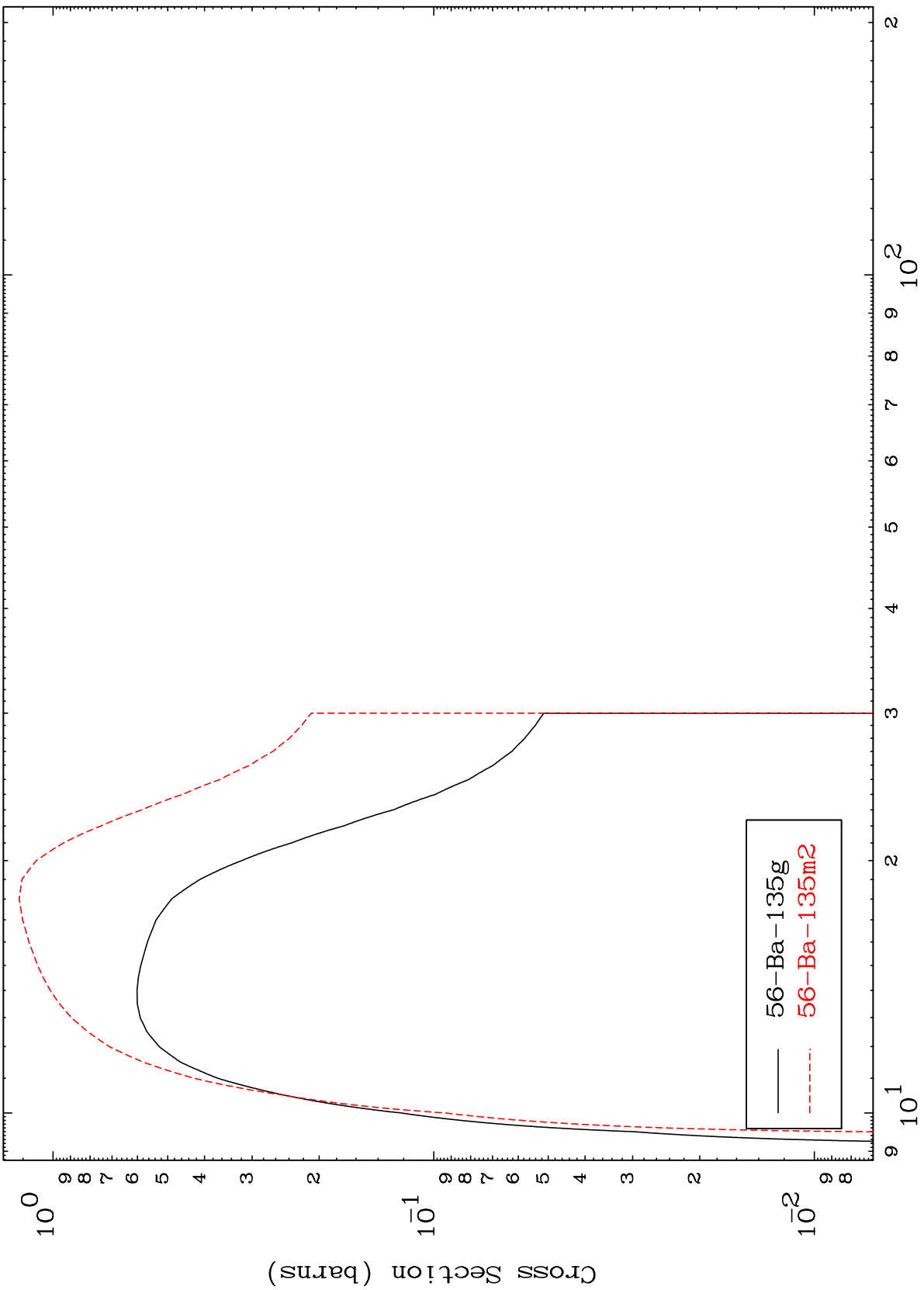
56-Ba-136

130

MAT 5643

56-Ba-136

(n,2n)
Radionuclide Production Cross Section



56-Ba-136

Incident Energy (MeV)

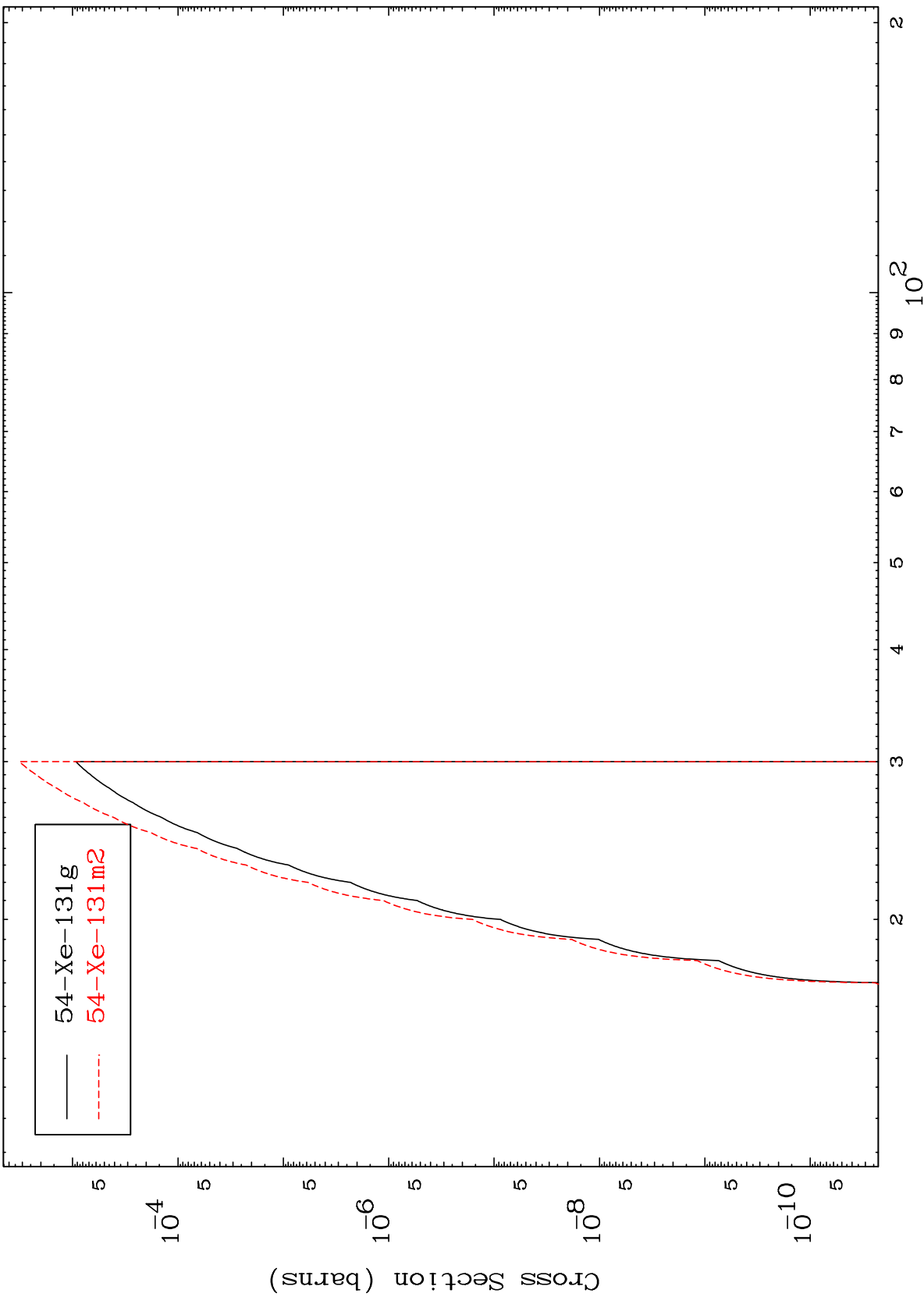
131

MAT 5643

(n,2n) α

56-Ba-136

Radionuclide Production Cross Section



132

Incident Energy (MeV)

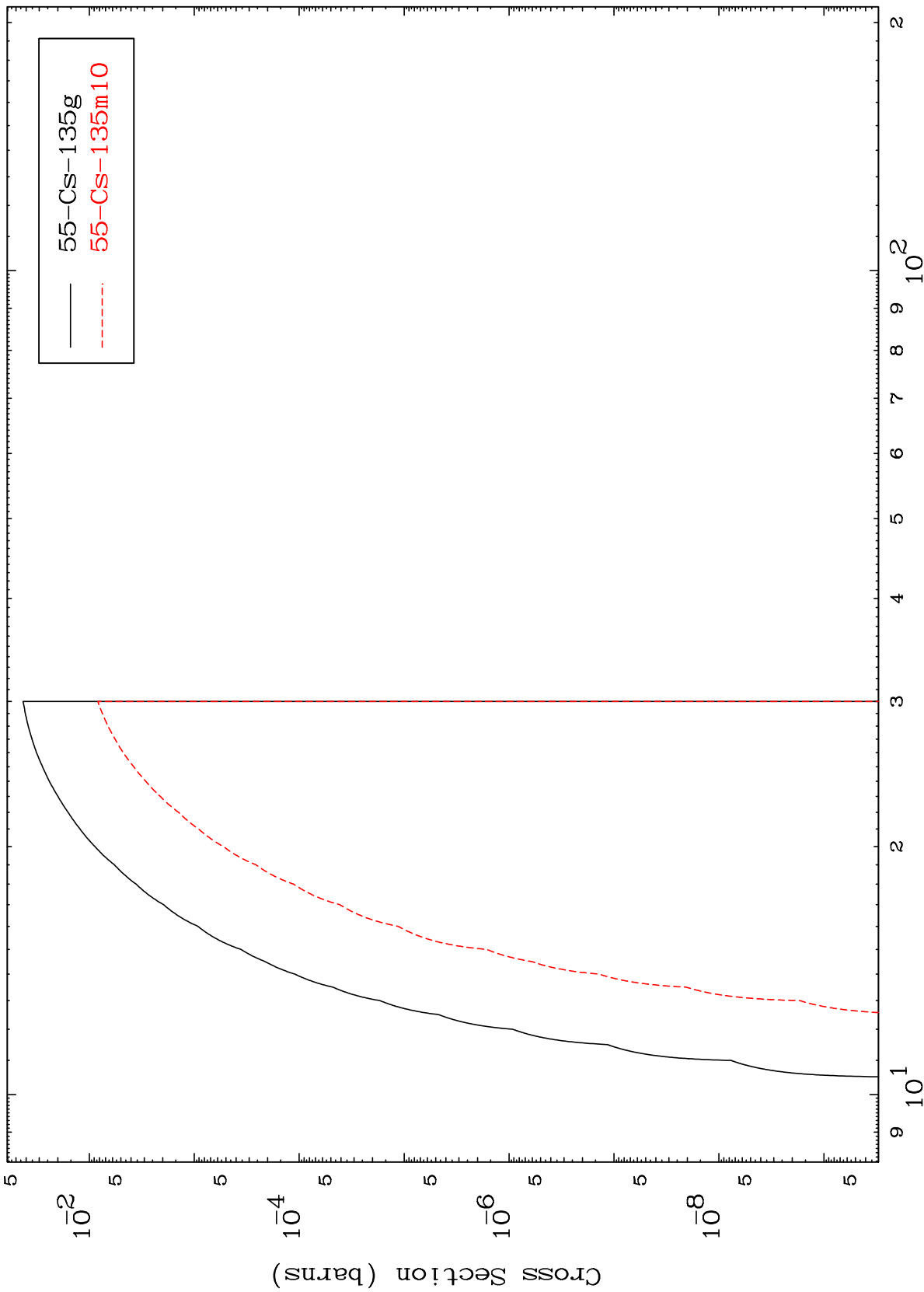
56-Ba-136

MAT 5643

(n,n') p

56-Ba-136

Radionuclide Production Cross Section



133

Incident Energy (MeV)

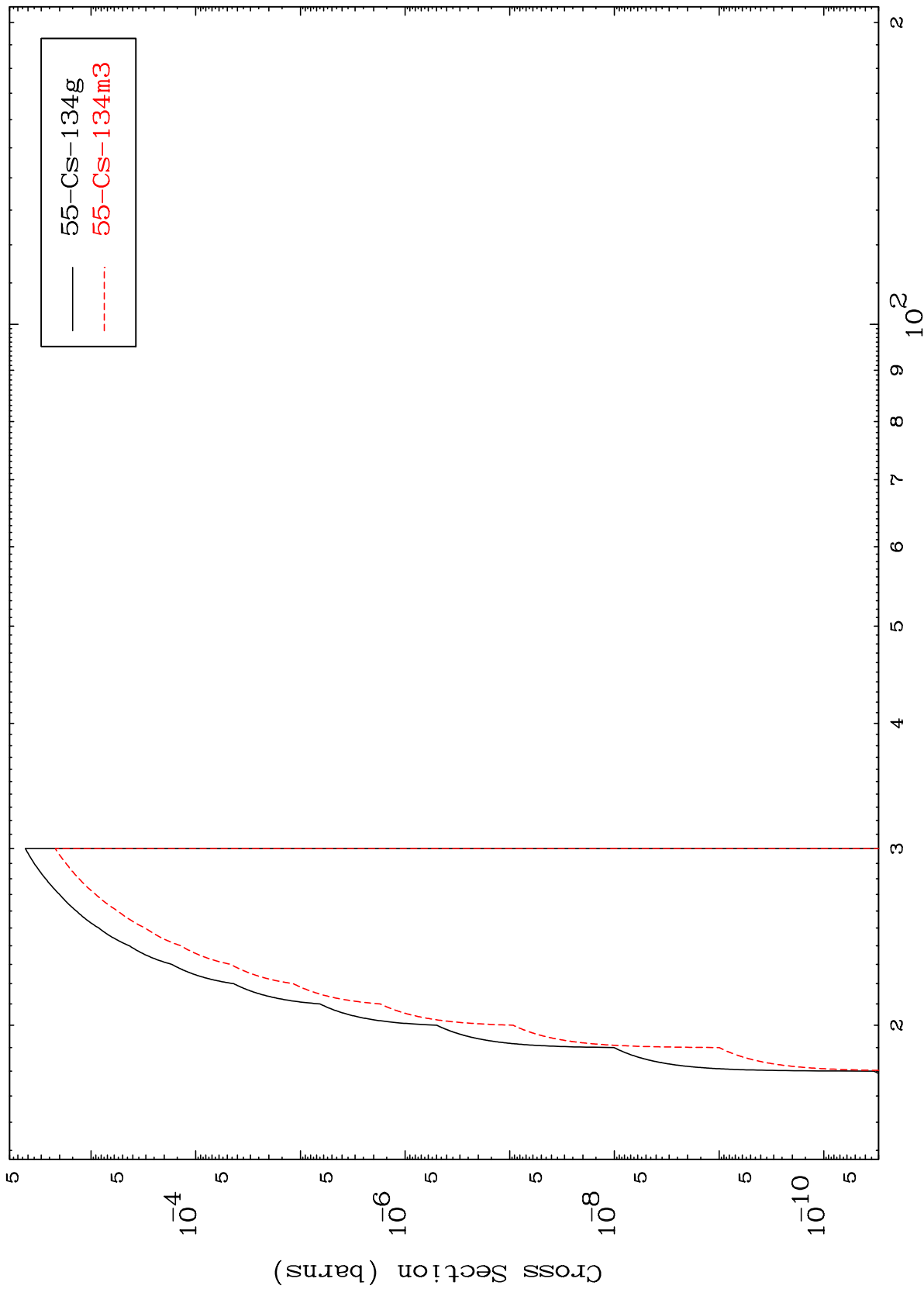
56-Ba-136

MAT 5643

(n,n') d

56-Ba-136

Radionuclide Production Cross Section



134

Incident Energy (MeV)

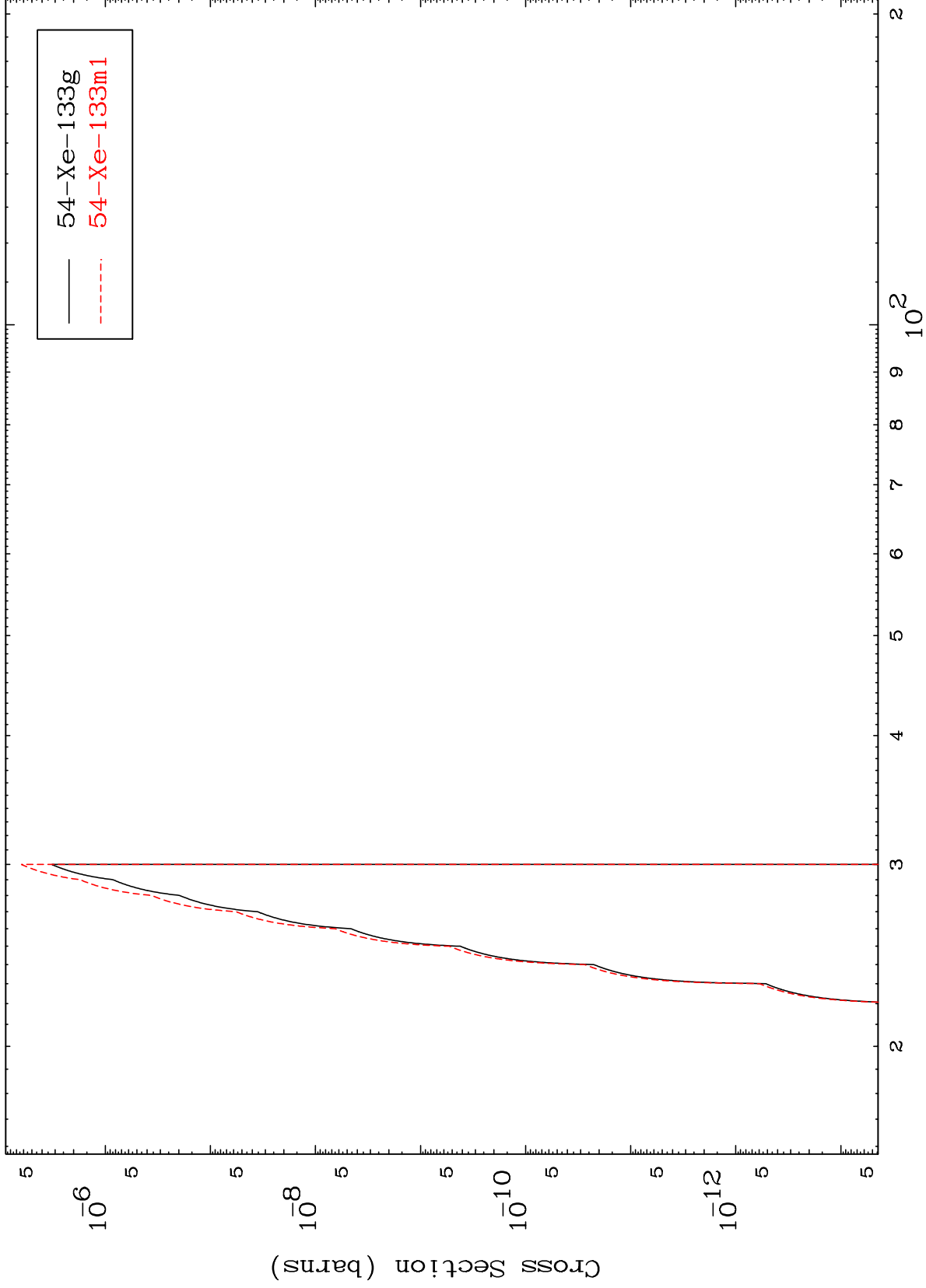
56-Ba-136

MAT 5643

(n,n') He-3

56-Ba-136

Radionuclide Production Cross Section



135

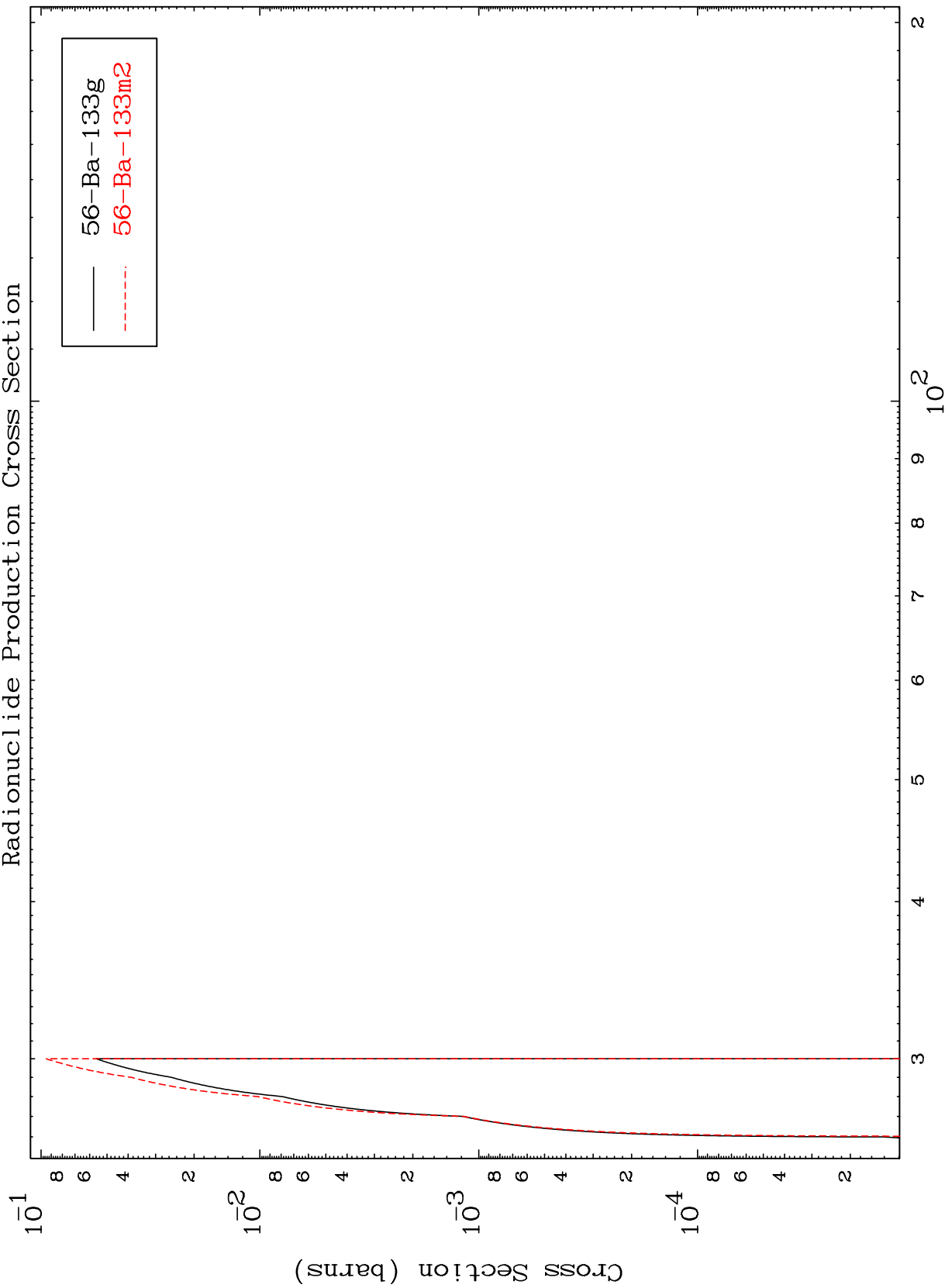
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

(n,4n)
Radionuclide Production Cross Section



136

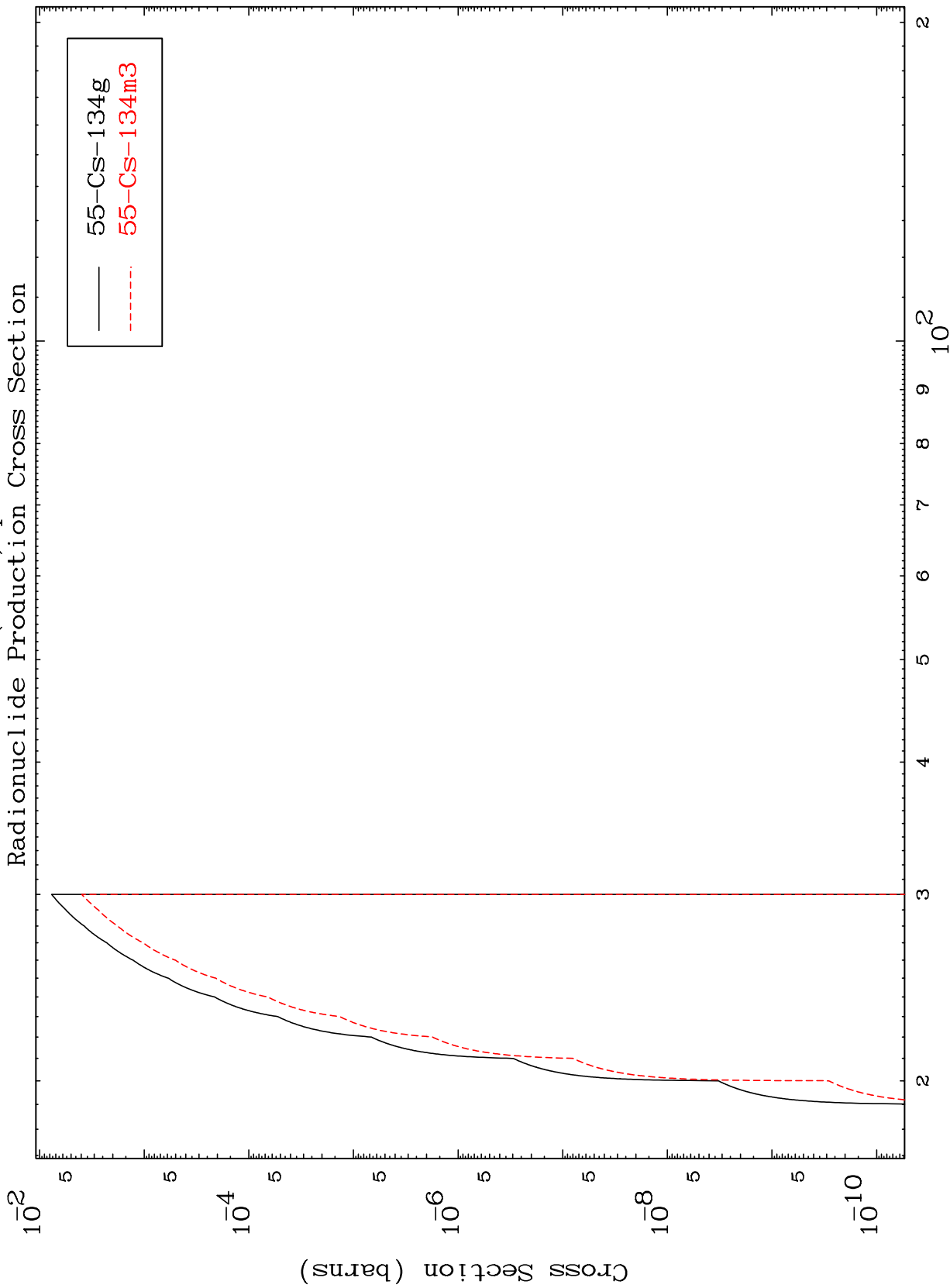
56-Ba-136

Incident Energy (MeV)

MAT 5643

56-Ba-136

(n,2n) p
Radionuclide Production Cross Section



56-Ba-136

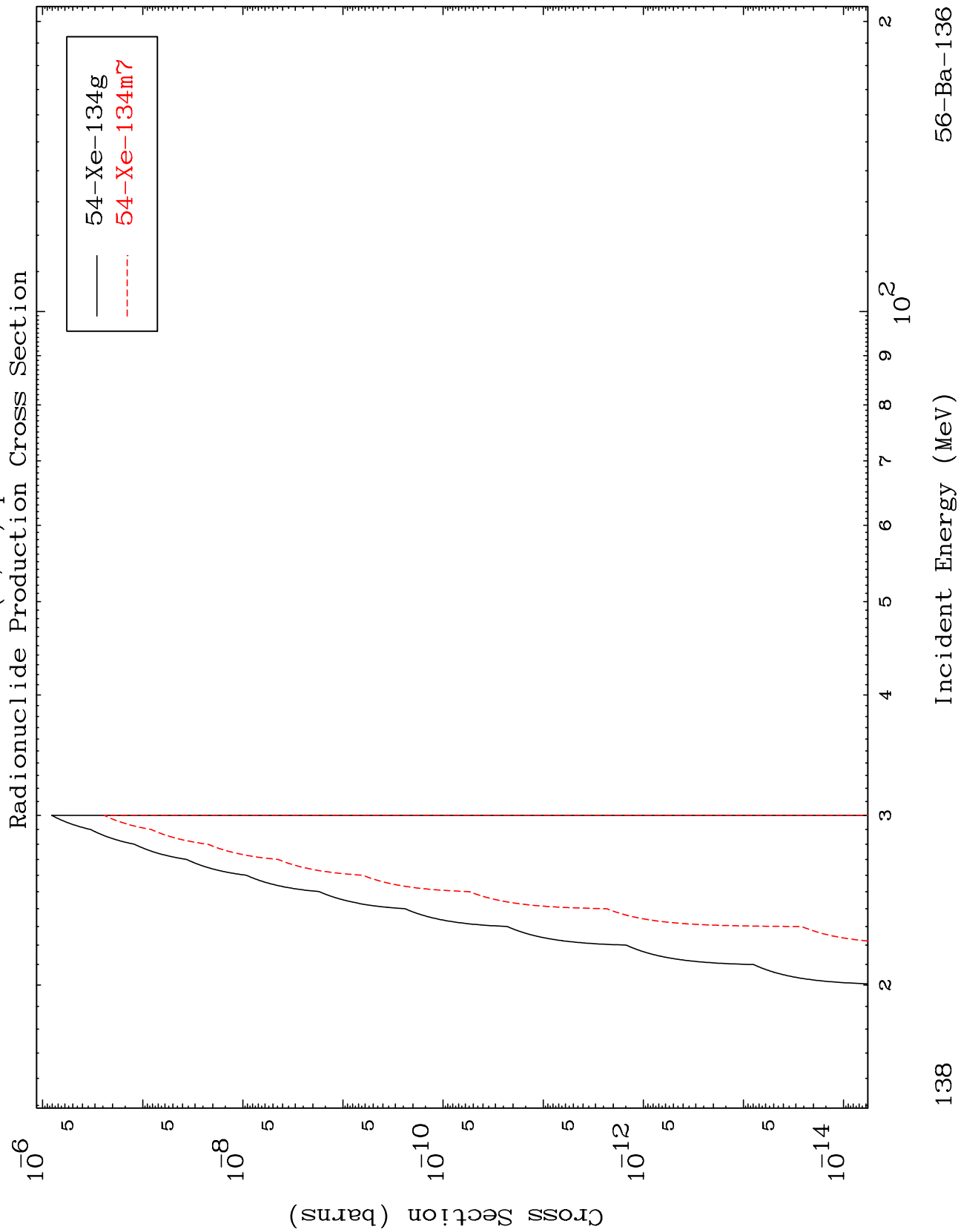
Incident Energy (MeV)

137

MAT 5643

(n,2n) p

56-Ba-136

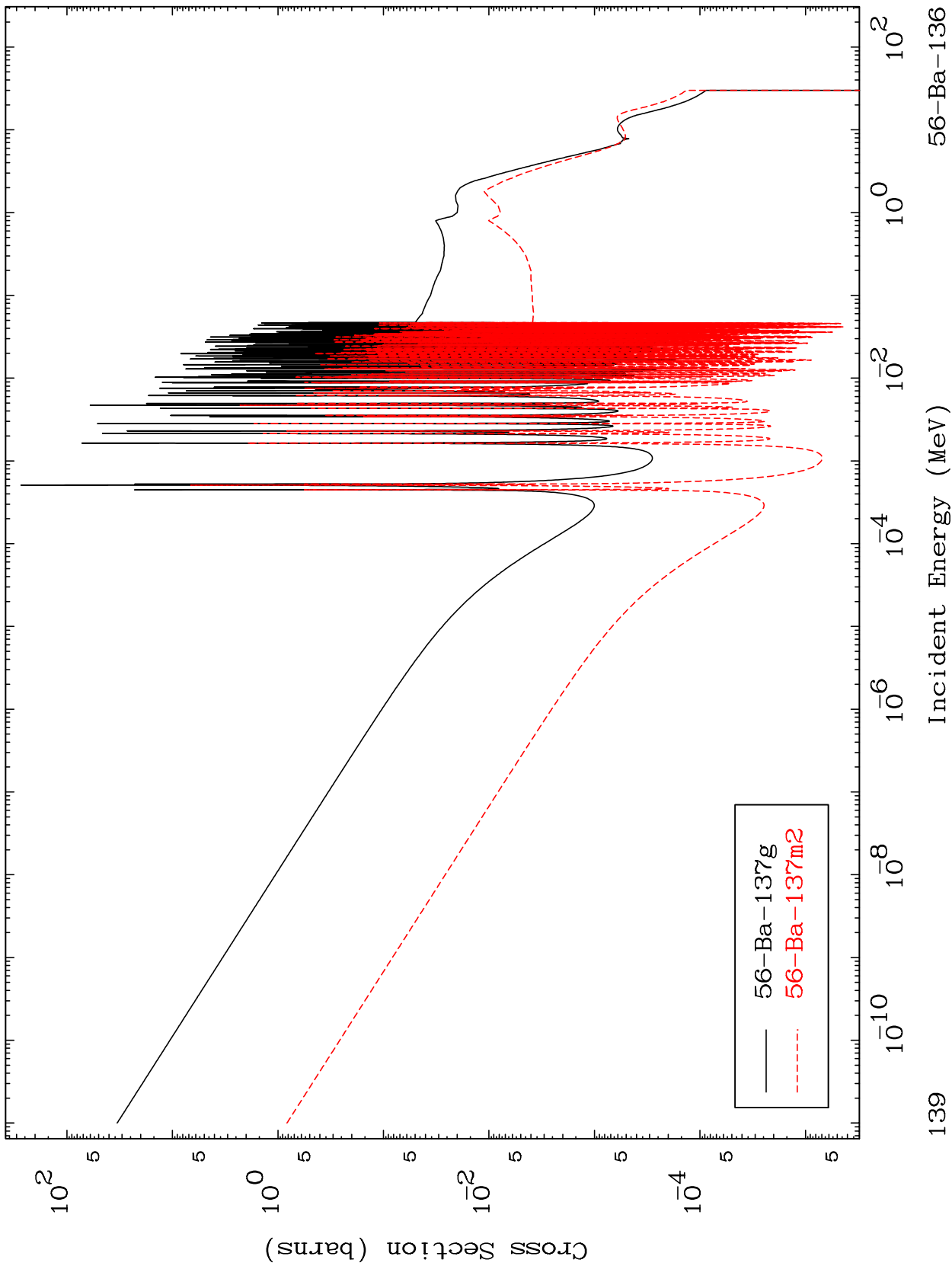


138

MAT 5643

56-Ba-136

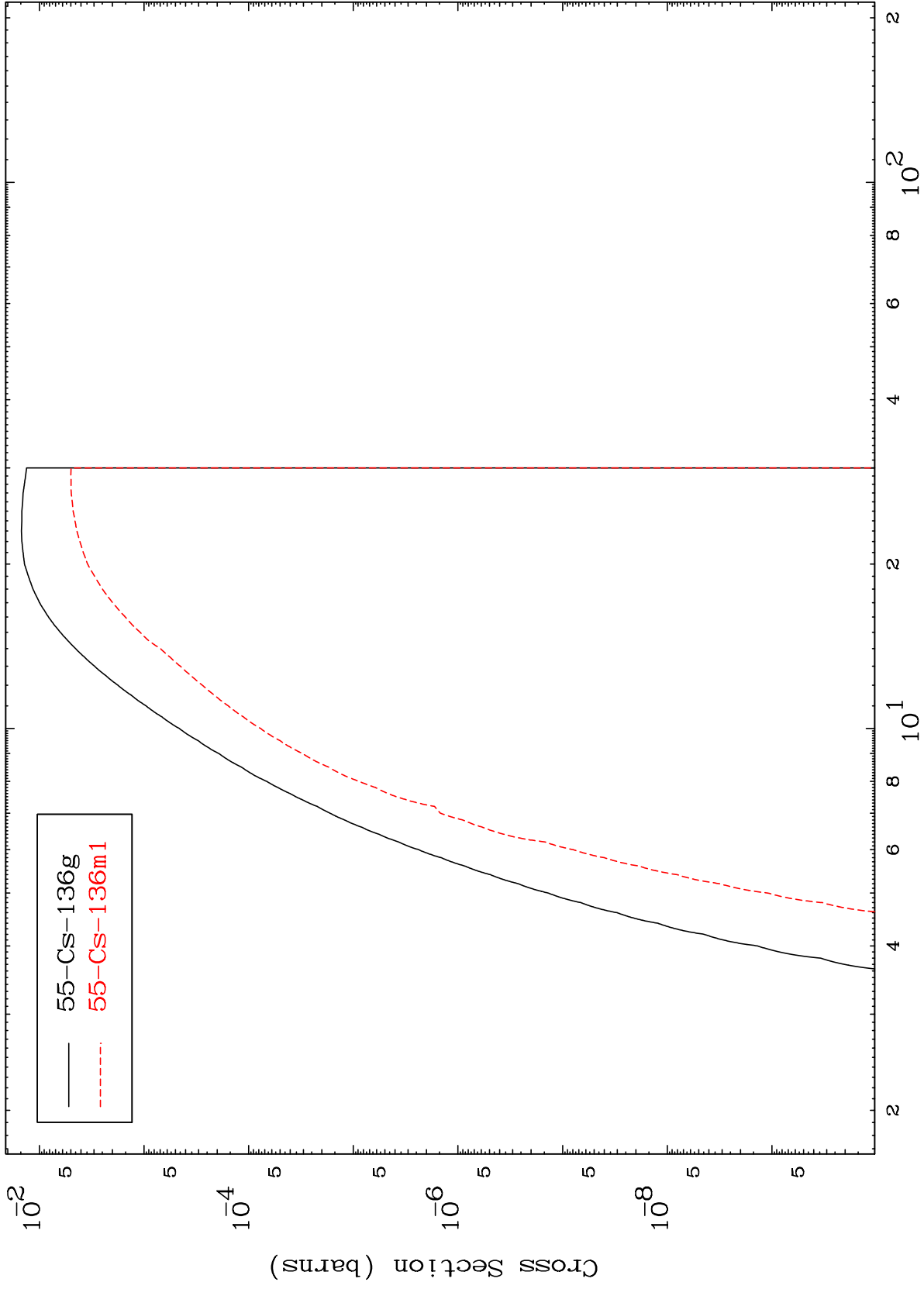
(n, γ)
Radionuclide Production Cross Section



MAT 5643

56-Ba-136

(n,p)
Radionuclide Production Cross Section



56-Ba-136

Incident Energy (MeV)

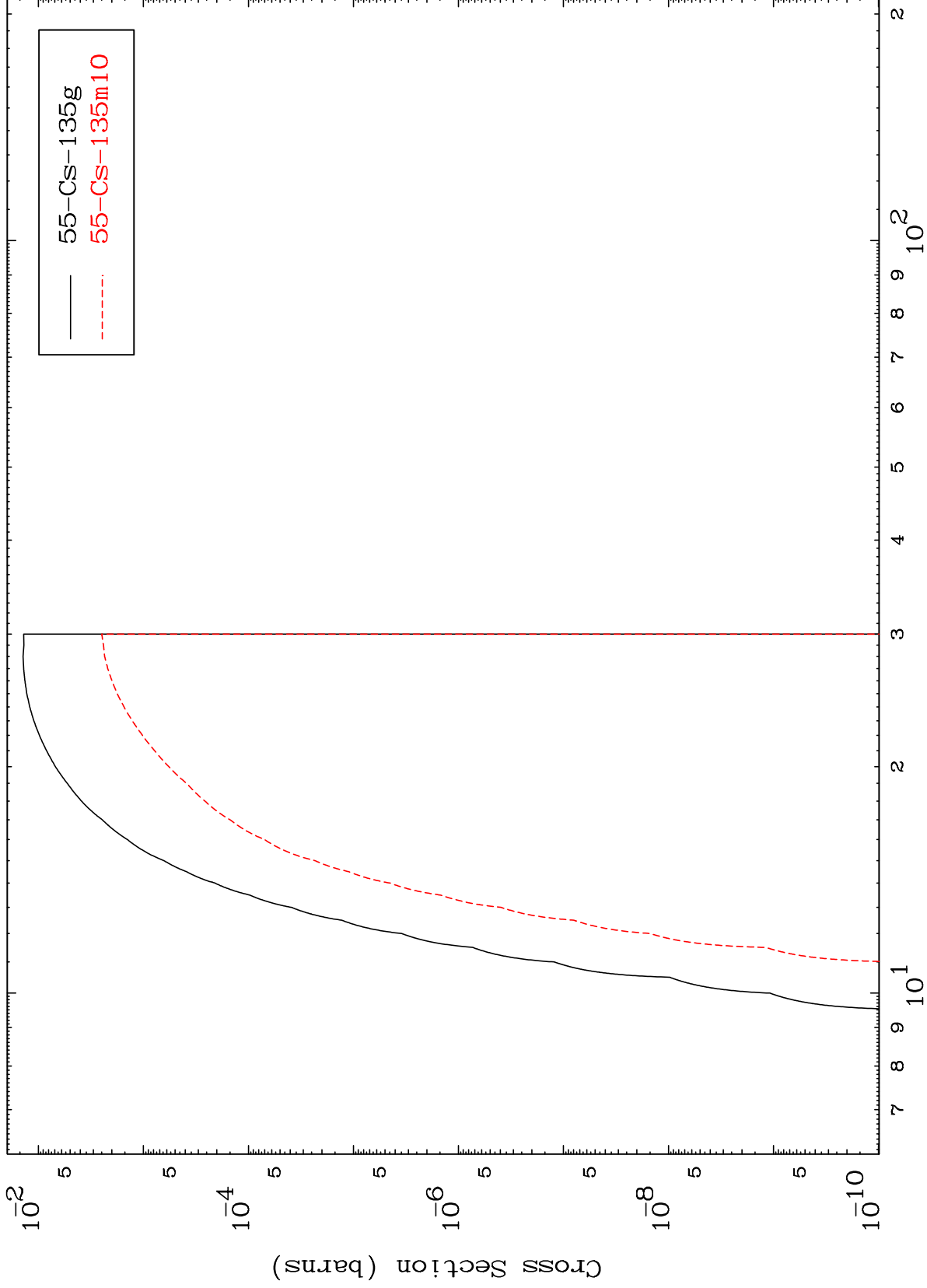
140

MAT 5643

(n,d)

56-Ba-136

Radionuclide Production Cross Section



141

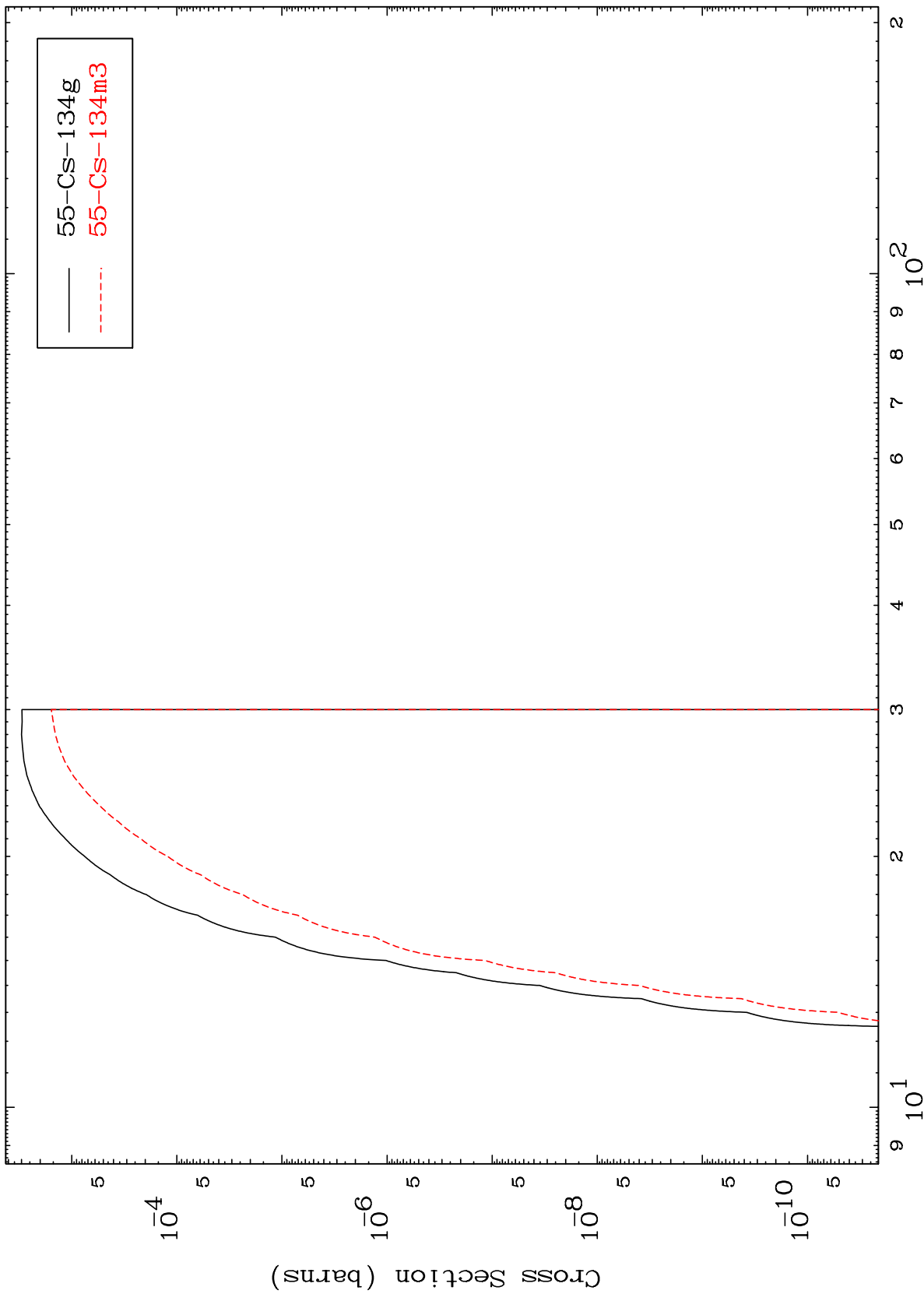
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

(n,t)
Radionuclide Production Cross Section



56-Ba-136

Incident Energy (MeV)

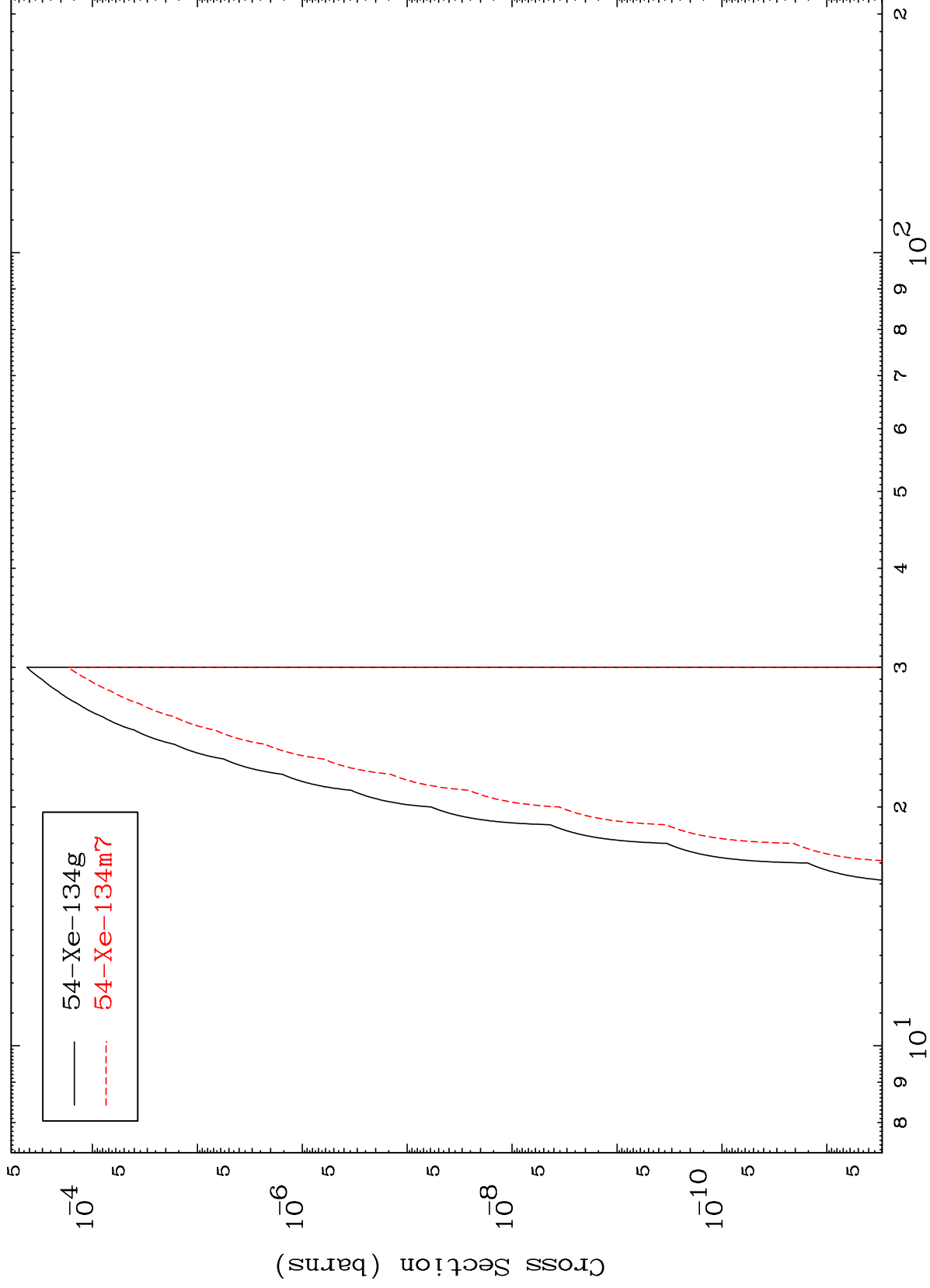
142

MAT 5643

(n,He-3)

56-Ba-136

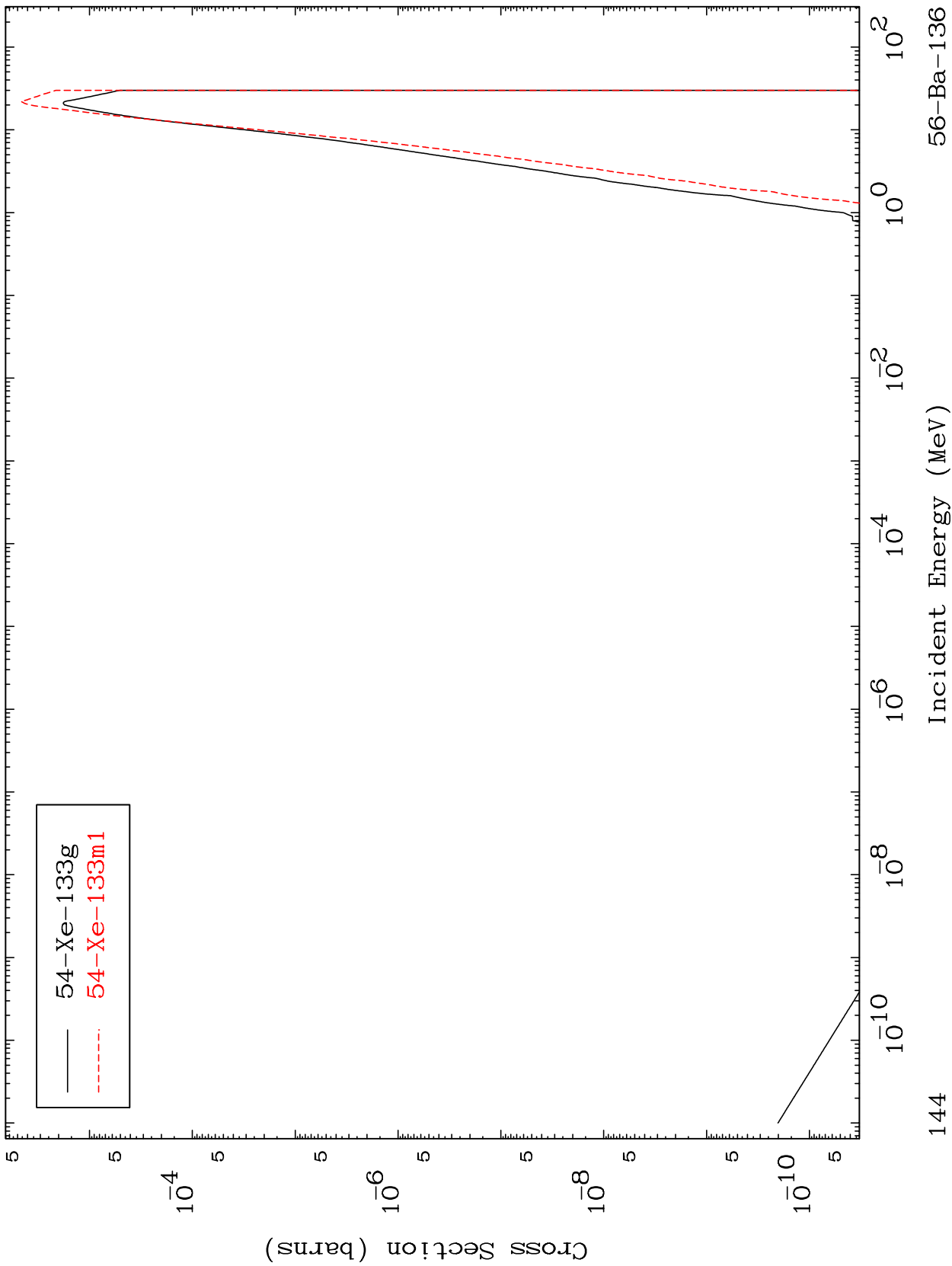
Radionuclide Production Cross Section



MAT 5643

56-Ba-136

(n, α)
Radionuclide Production Cross Section



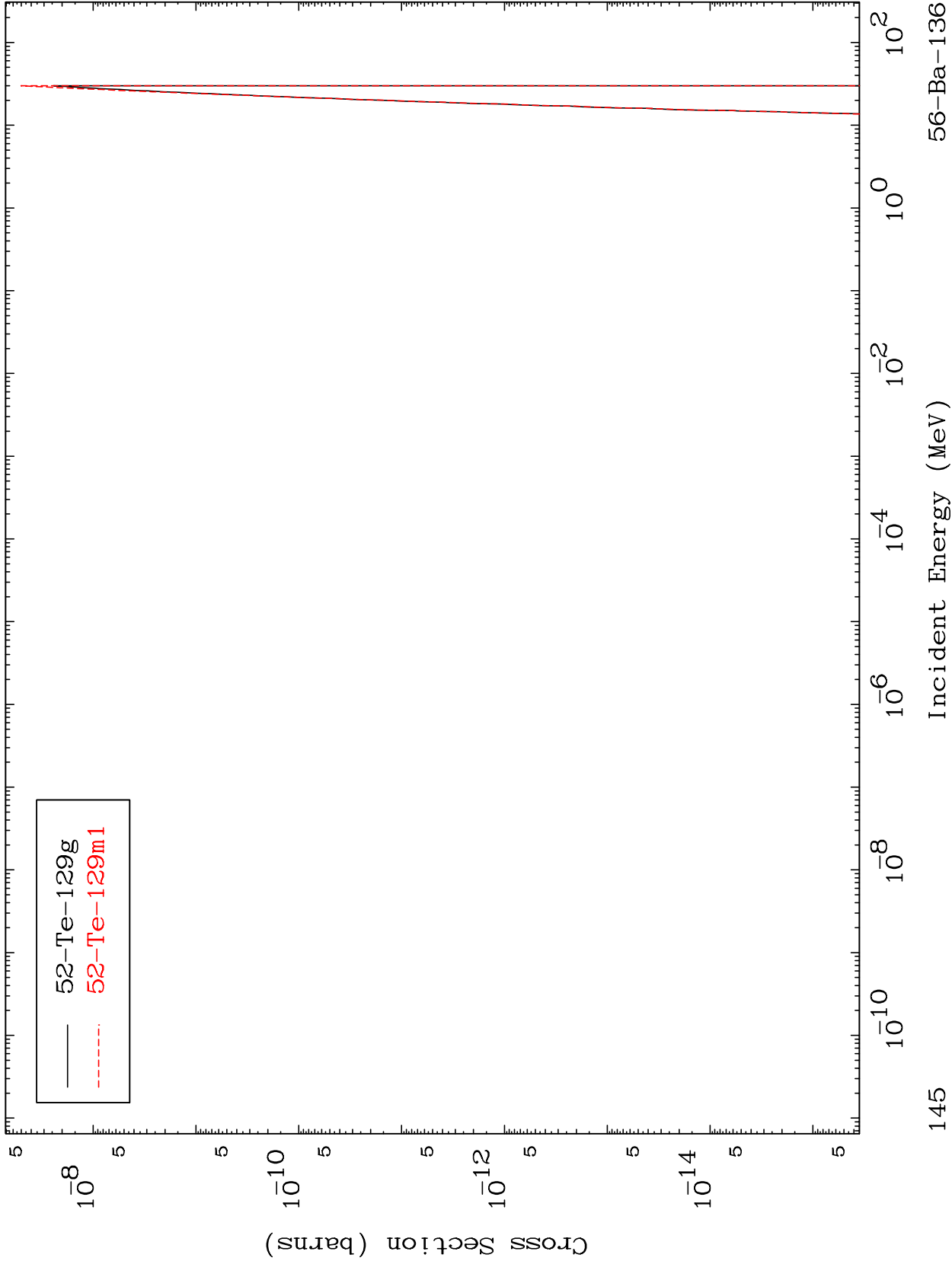
144

MAT 5643

(n,2α)

56-Ba-136

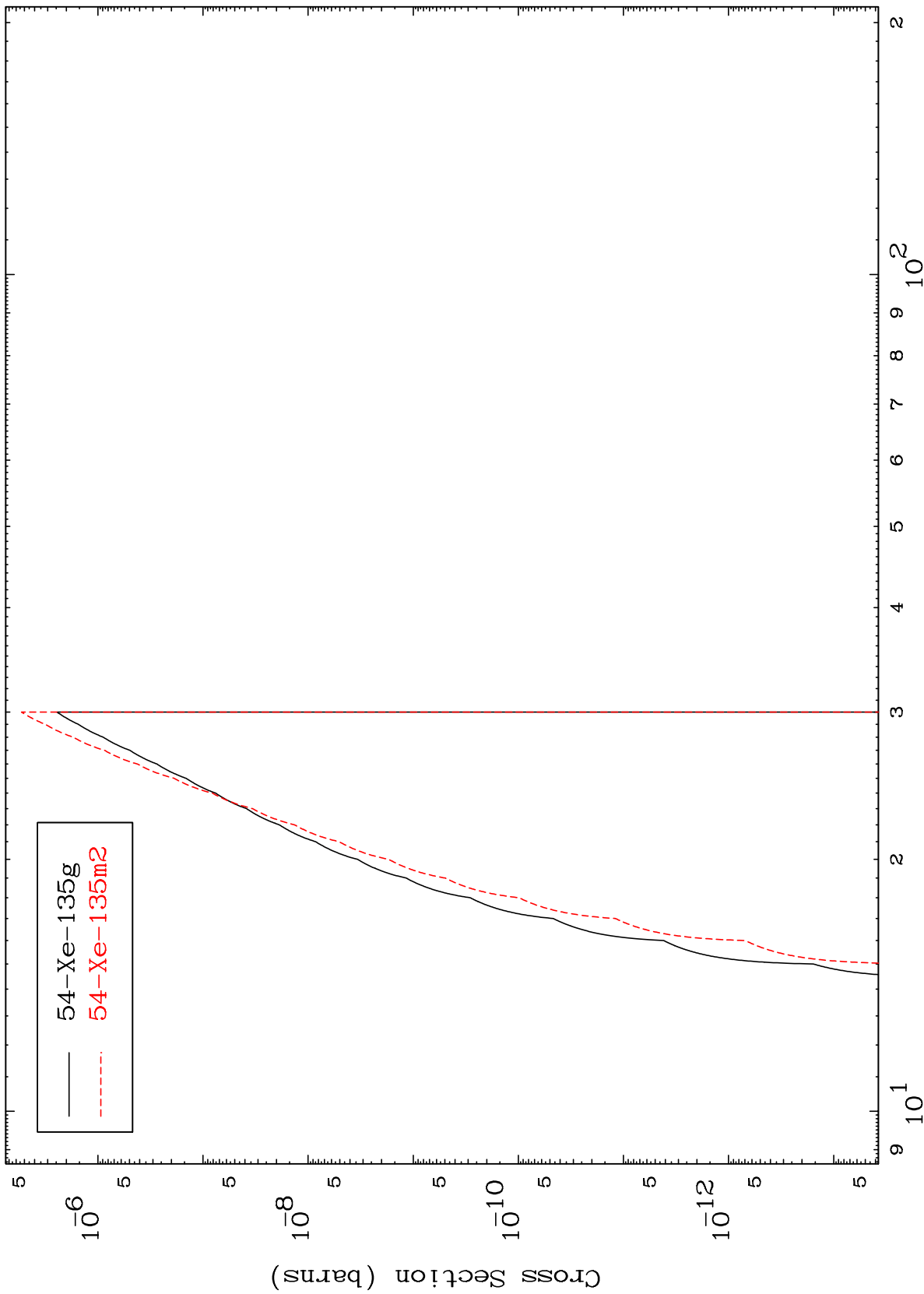
Radionuclide Production Cross Section



MAT 5643

56-Ba-136

(n,2p)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

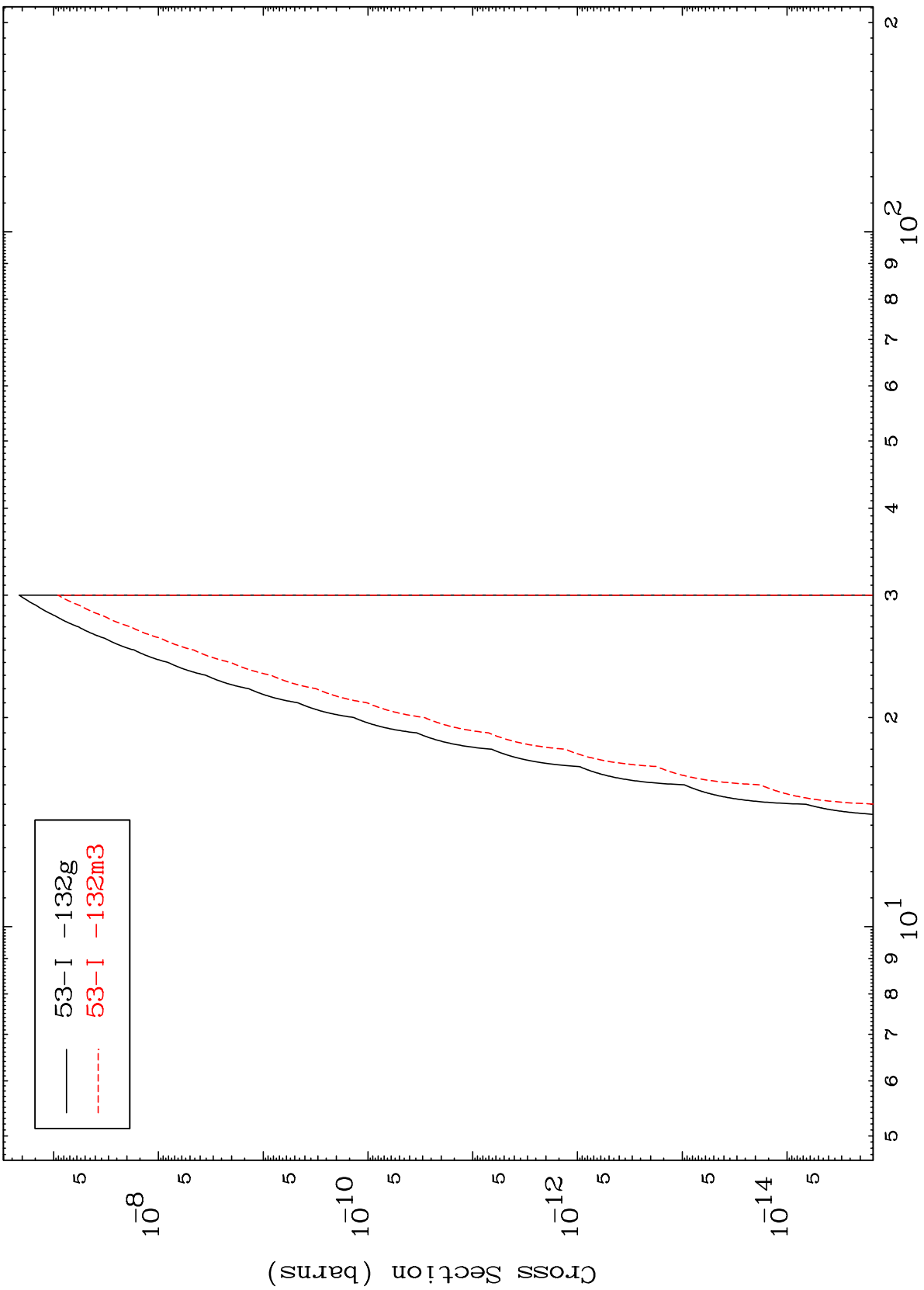
56-Ba-136

MAT 5643

(n,p) α

56-Ba-136

Radionuclide Production Cross Section



147

Incident Energy (MeV)

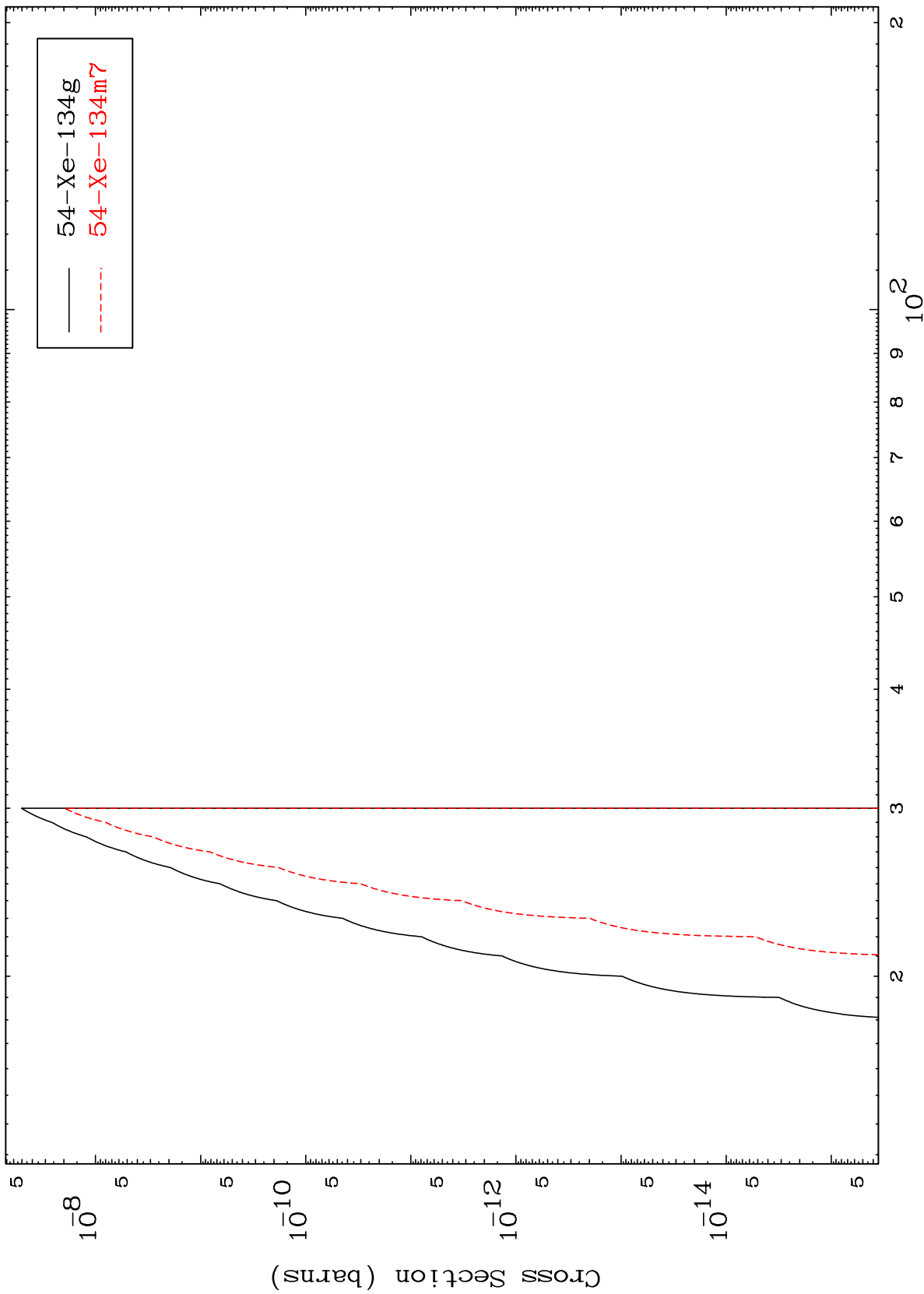
56-Ba-136

MAT 5643

(n,p) d

56-Ba-136

Radionuclide Production Cross Section



148

Incident Energy (MeV)

56-Ba-136

