

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

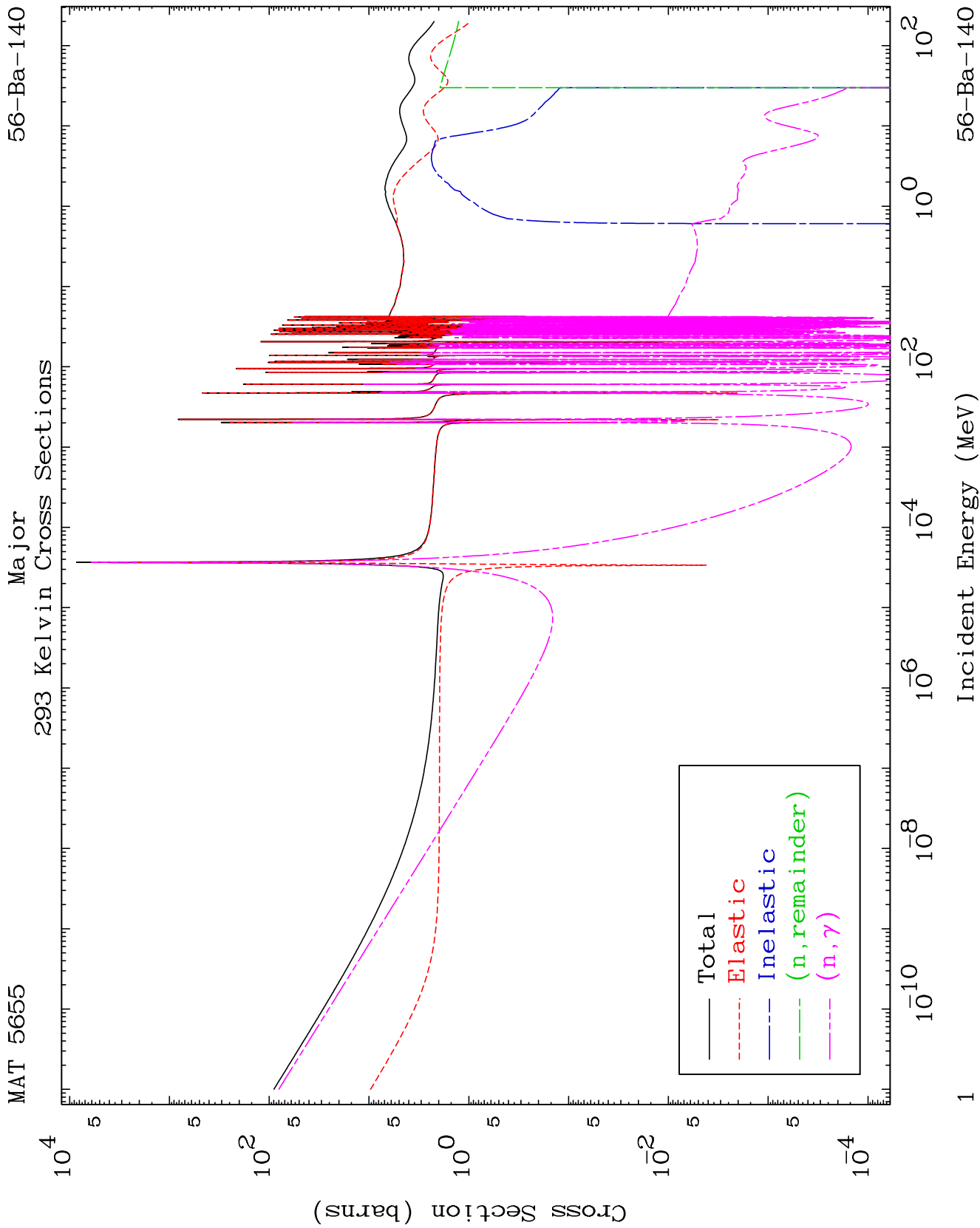
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

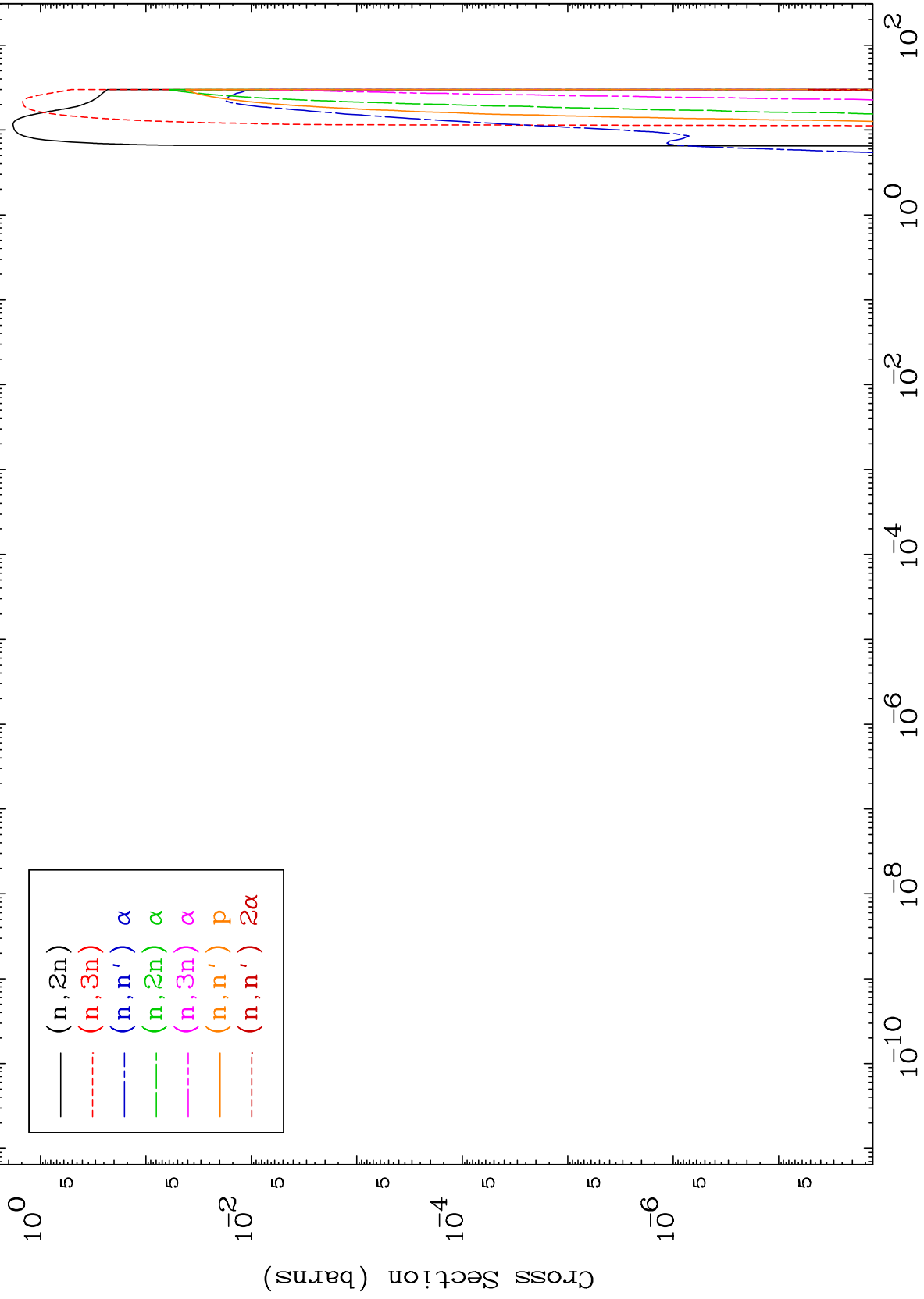
Press Mouse Button to Start



MAT 5655

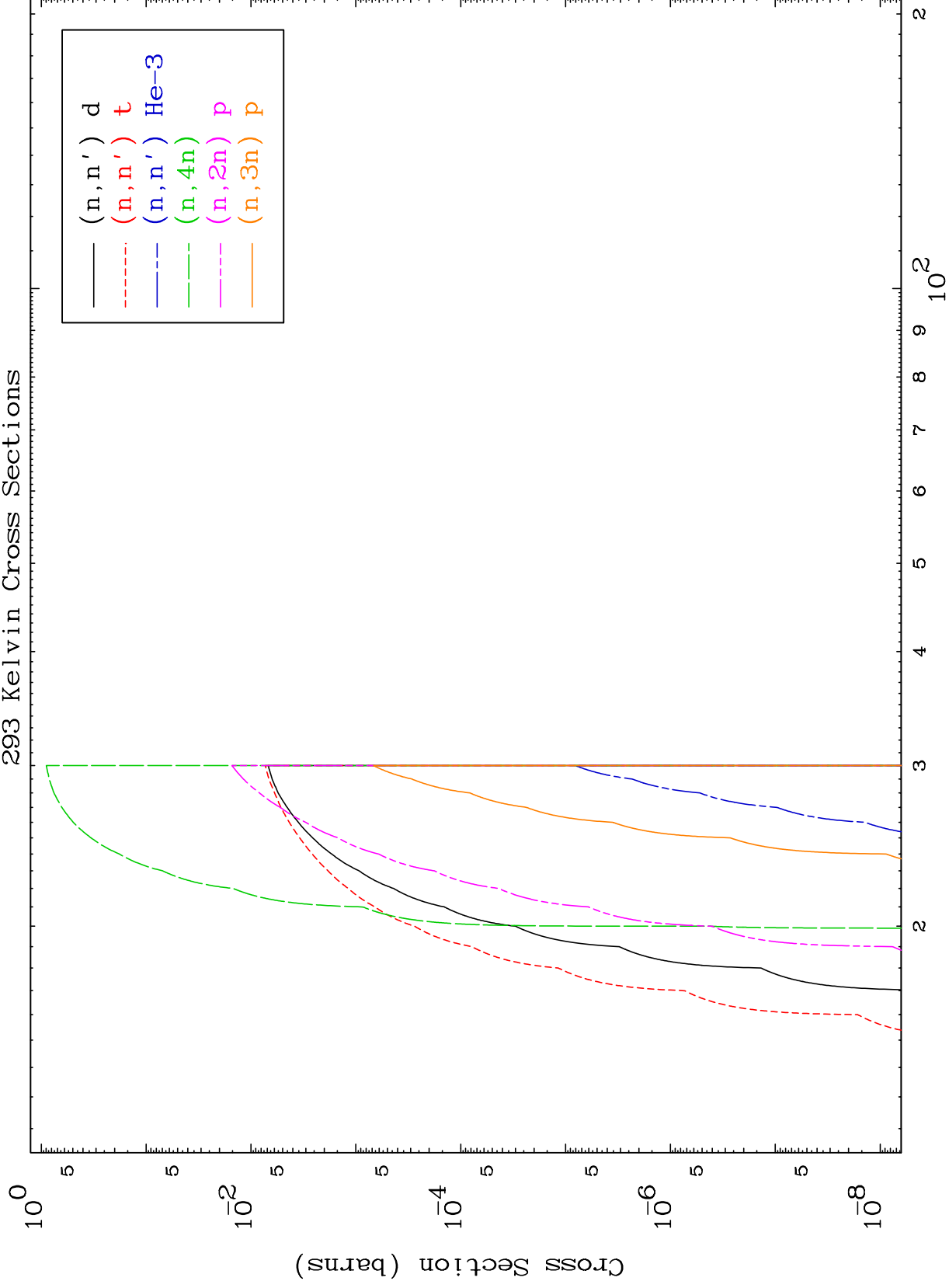
Neutron Production
293 Kelvin Cross Sections

56-Ba-140



56-Ba-140

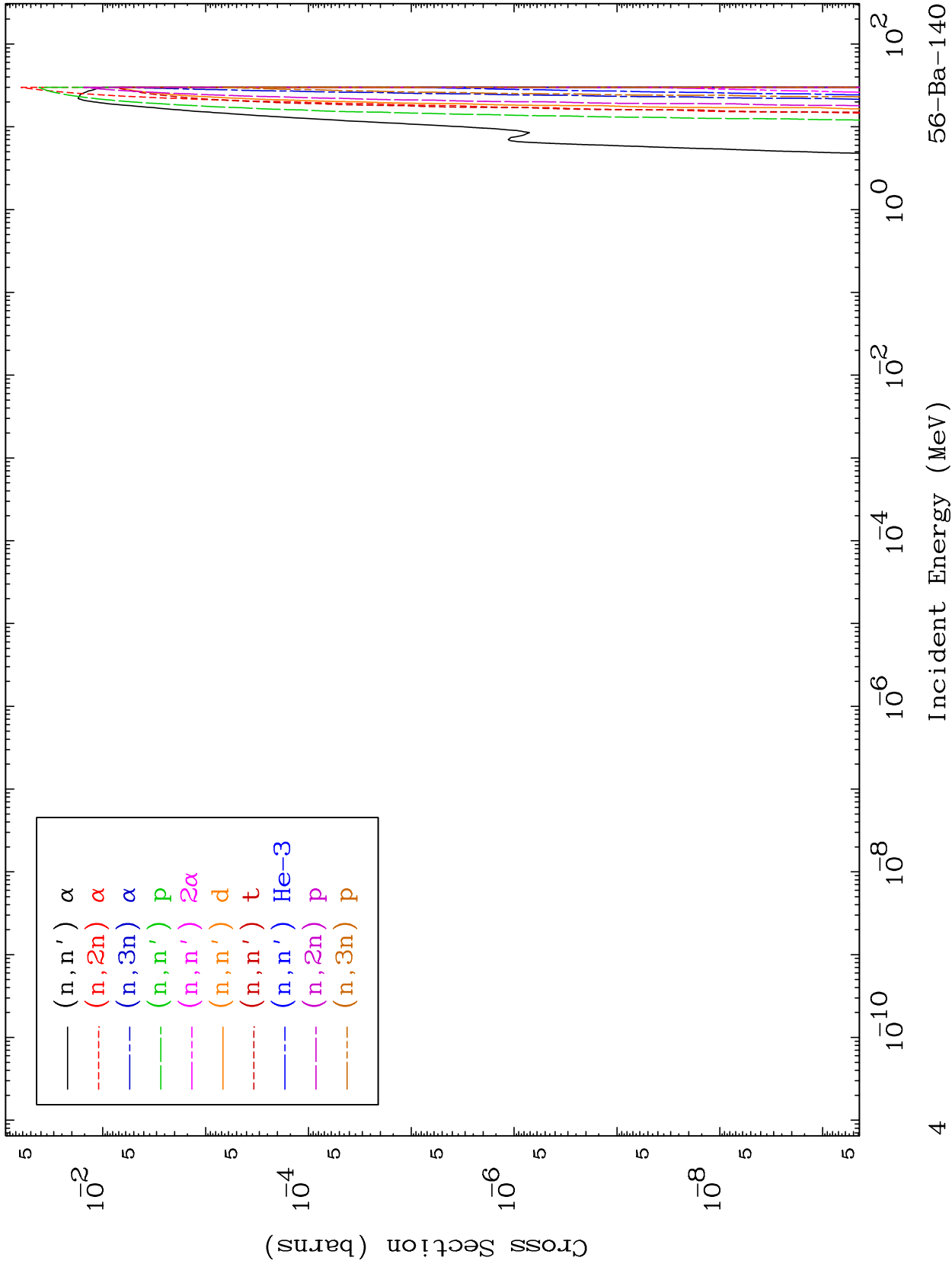
Incident Energy (MeV)



MAT 5655

Charged Particle
293 Kelvin Cross Sections

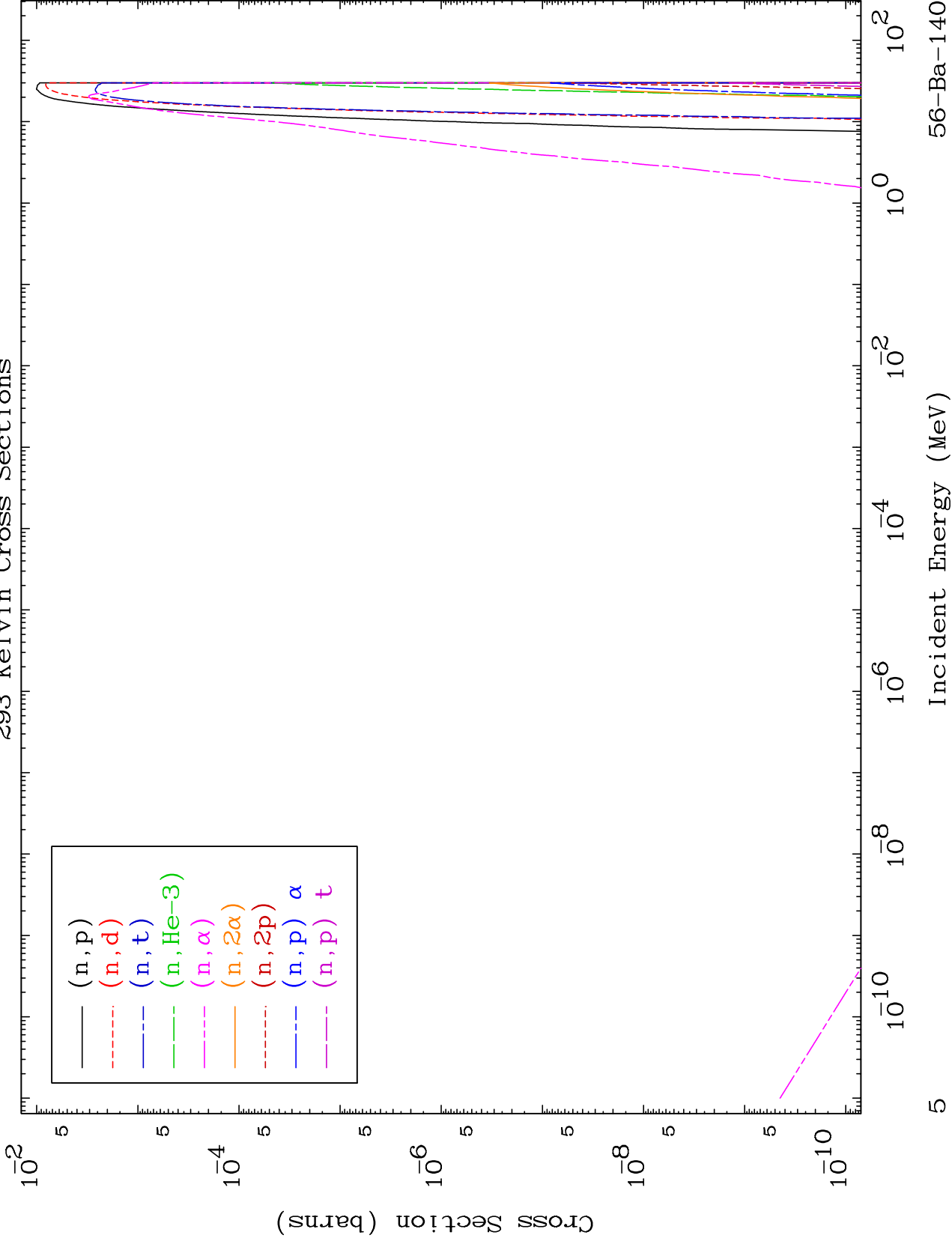
56-Ba-140



MAT 5655

Charged Particle
293 Kelvin Cross Sections

56-Ba-140



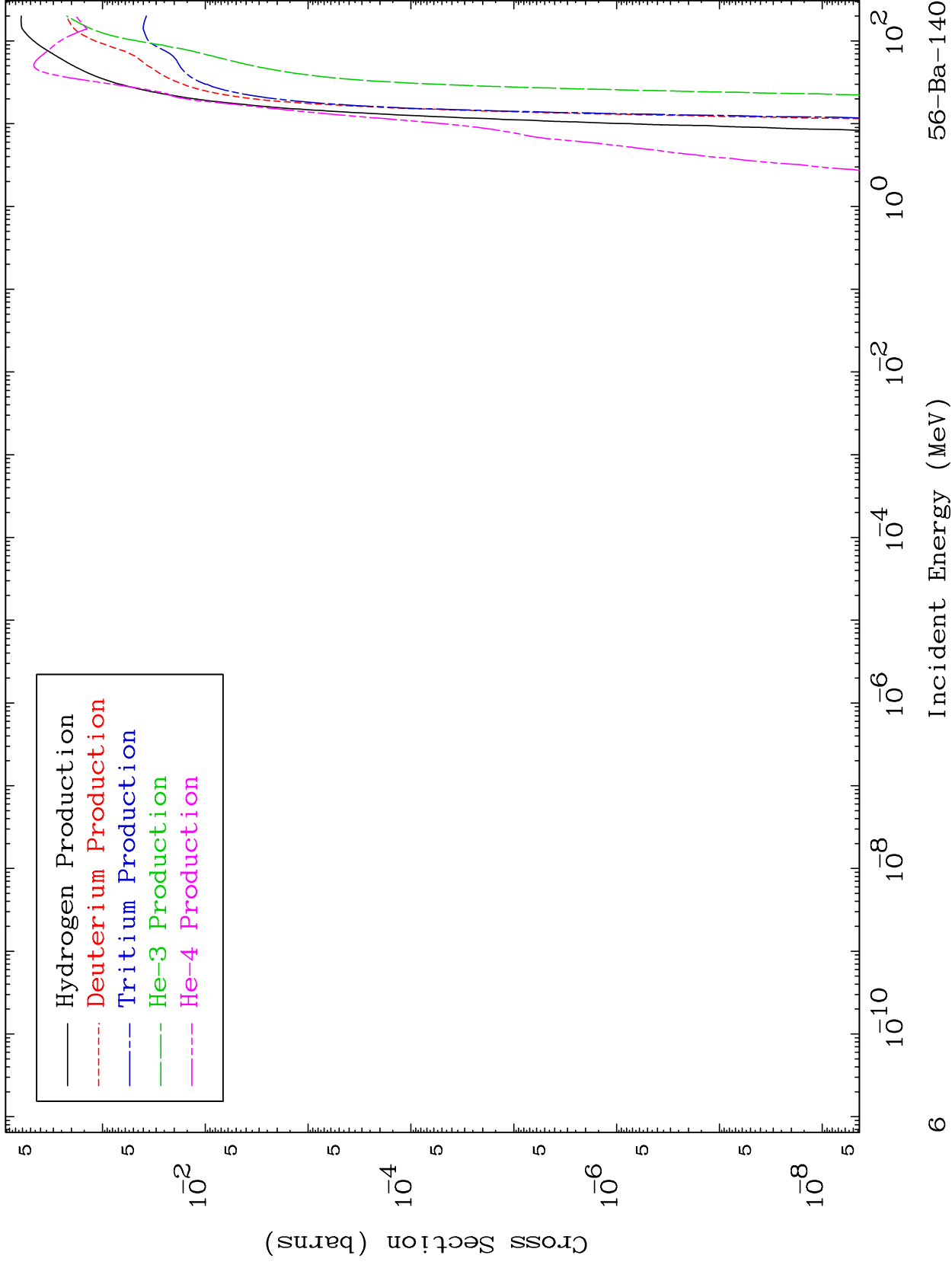
5

56-Ba-140

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Particle Production
293 Kelvin Cross Sections

56-Ba-140

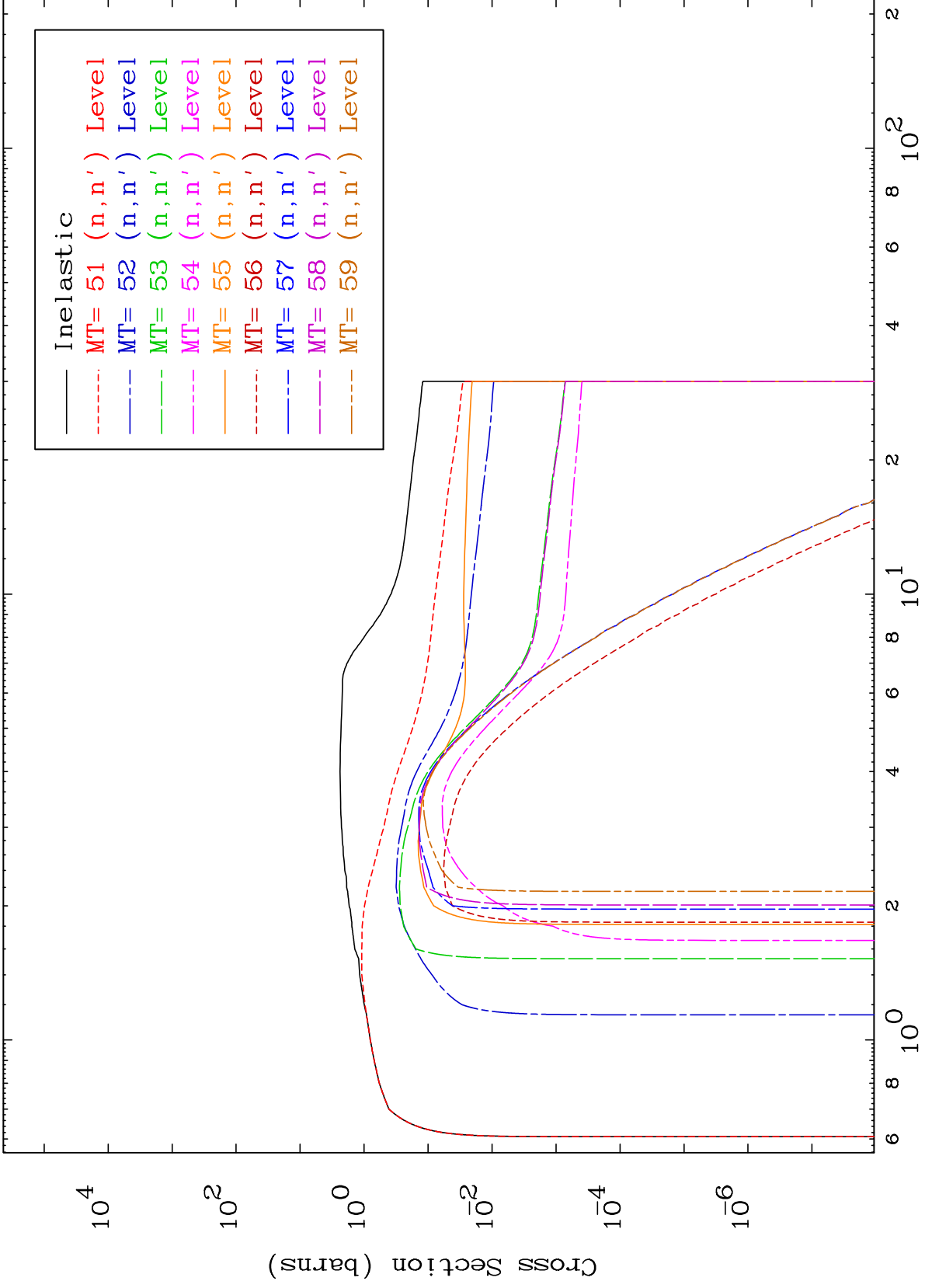


MAT 5655

(n,n') Level

56-Ba-140

293 Kelvin Cross Sections



7

Incident Energy (MeV)

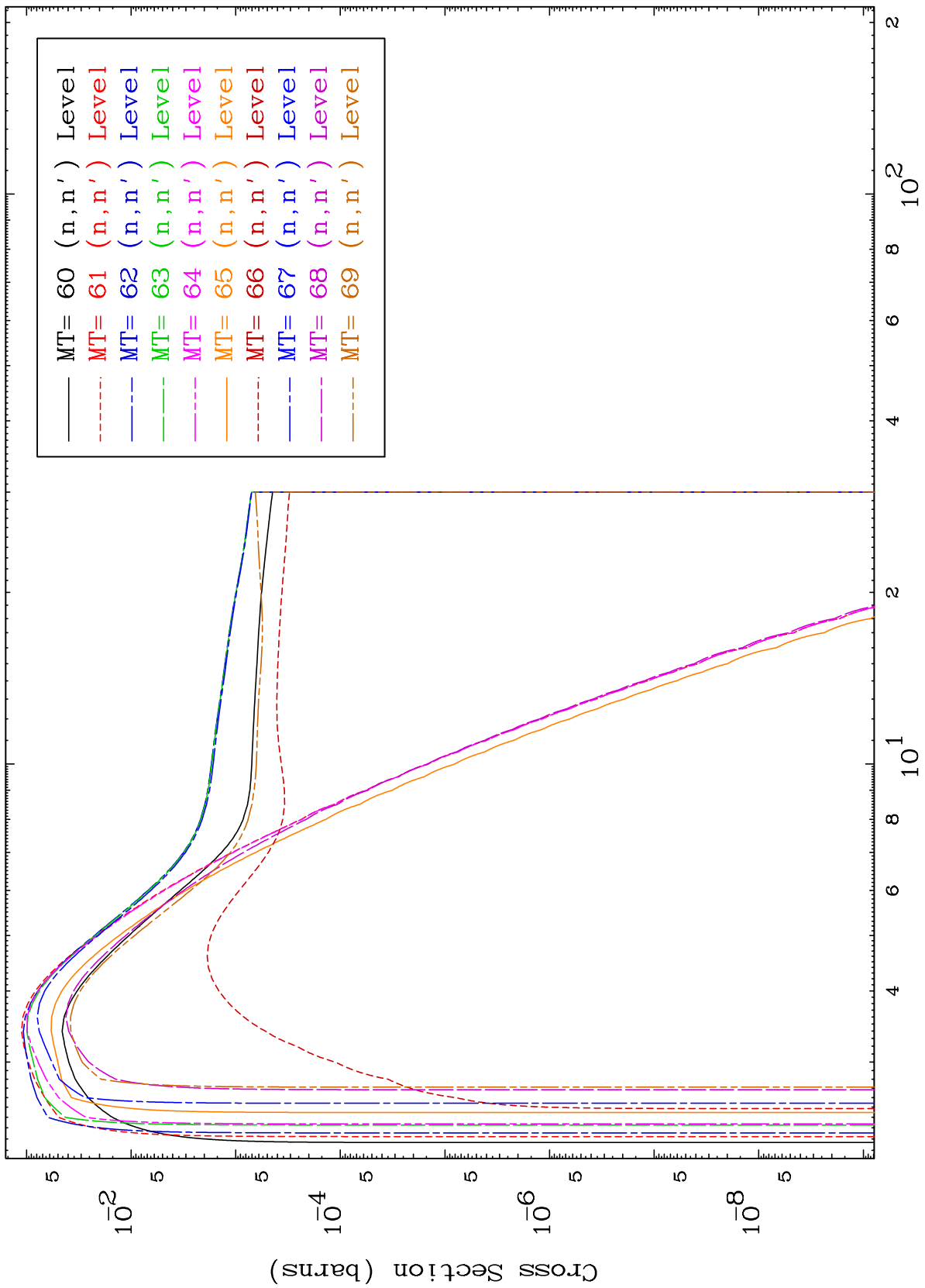
56-Ba-140

MAT 5655

(n,n') Level

56-Ba-140

293 Kelvin Cross Sections



8

Incident Energy (MeV)

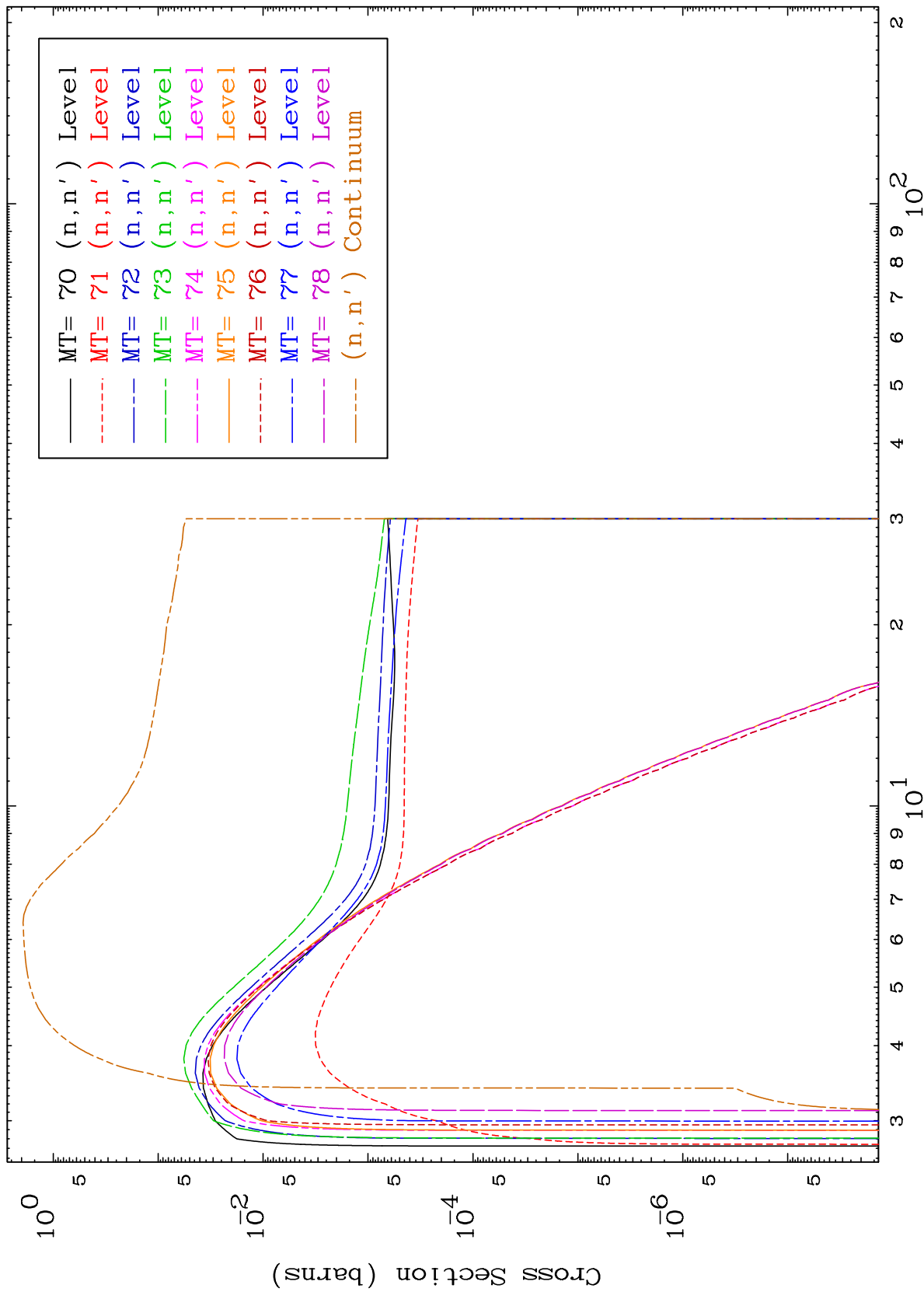
56-Ba-140

MAT 5655

(n,n') Level

56-Ba-140

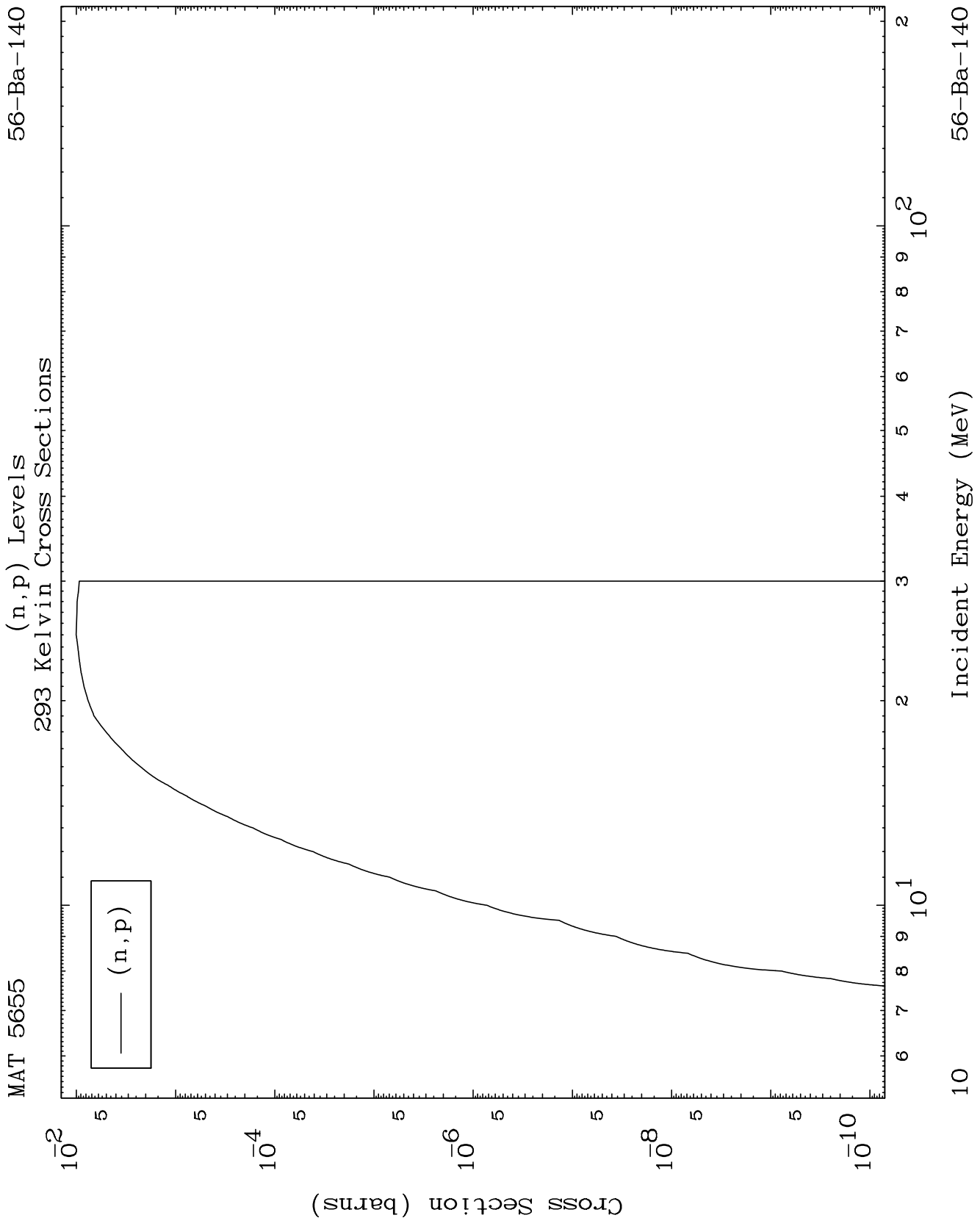
293 Kelvin Cross Sections

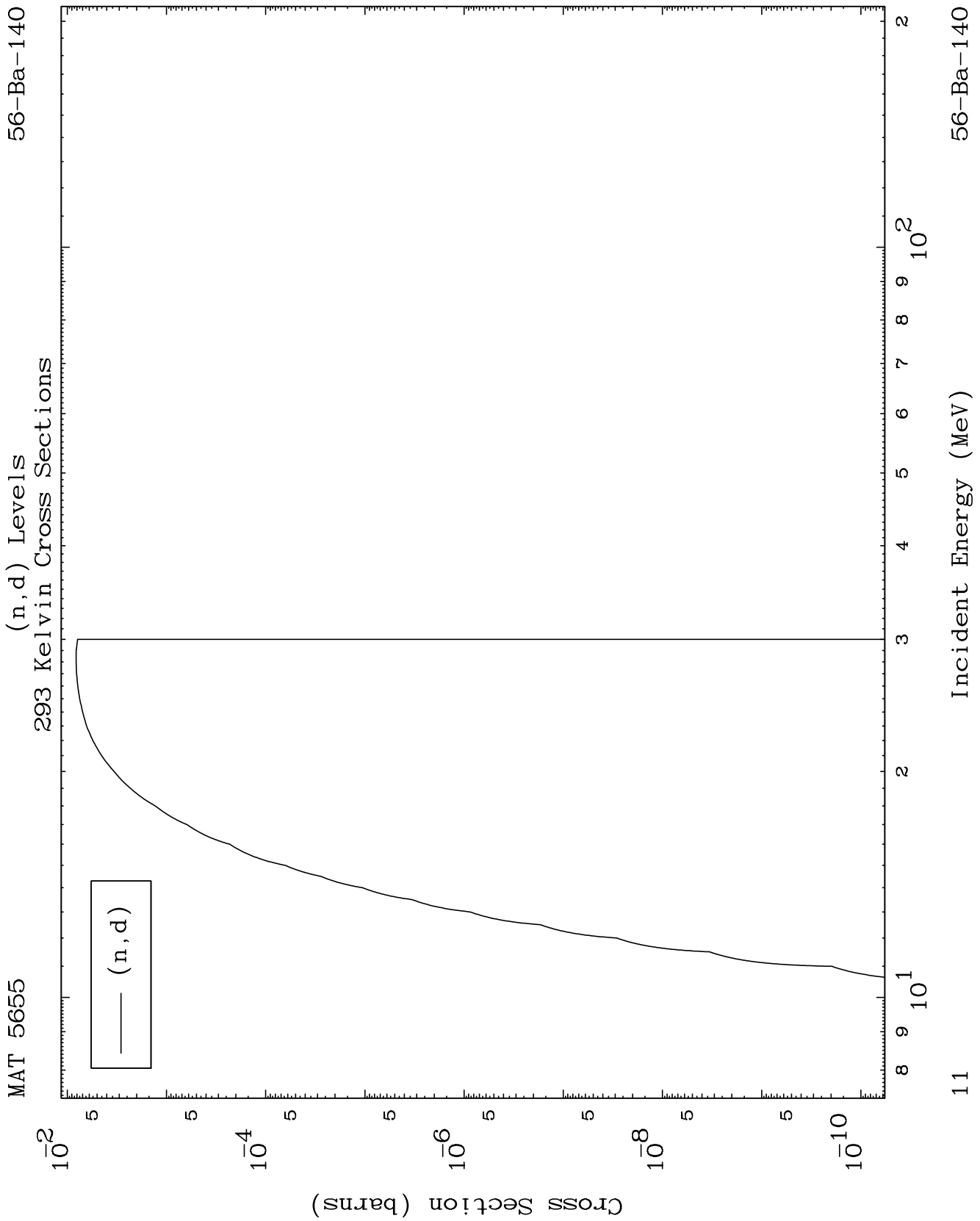


9

Incident Energy (MeV)

56-Ba-140

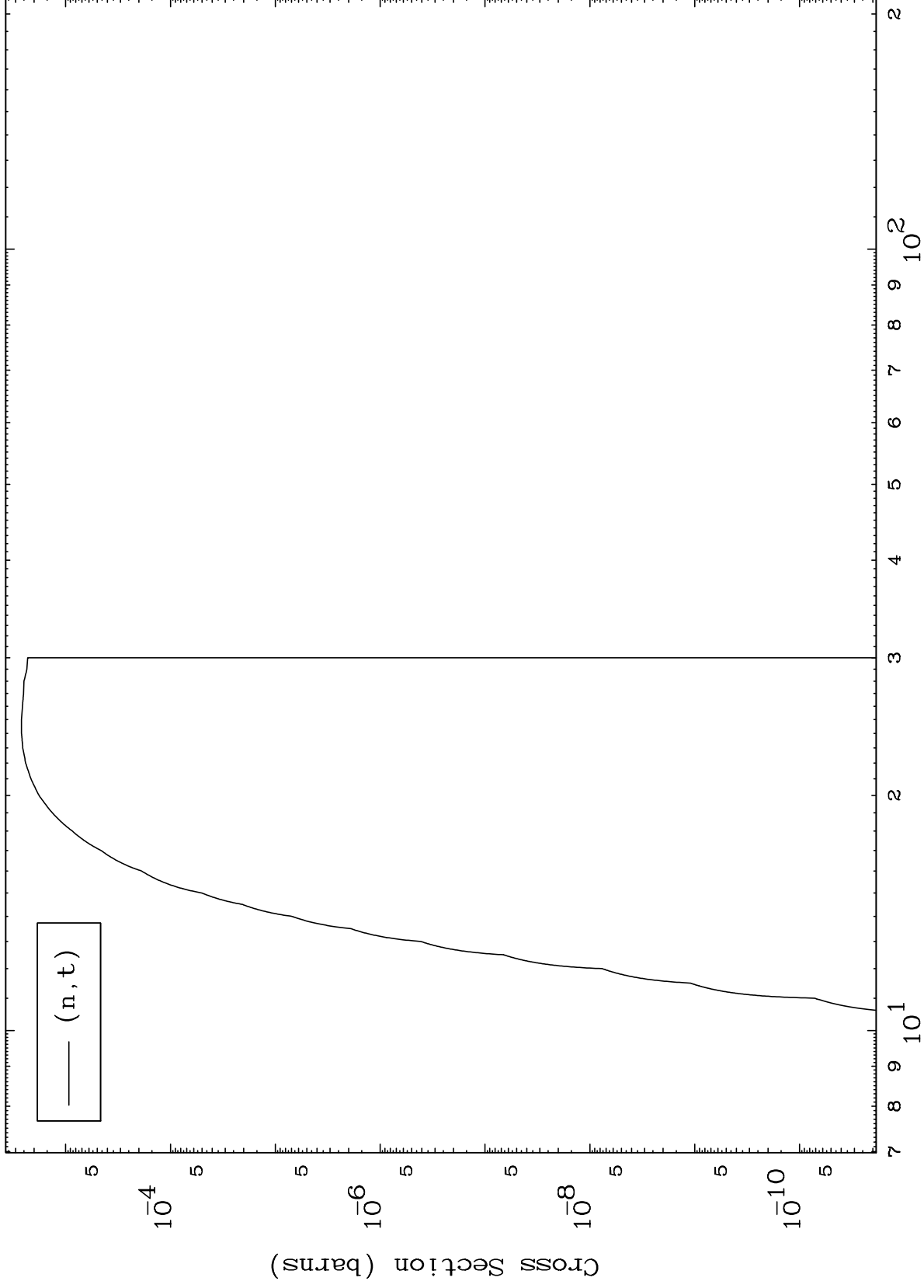




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(n,t) Levels
293 Kelvin Cross Sections

56-Ba-140



12

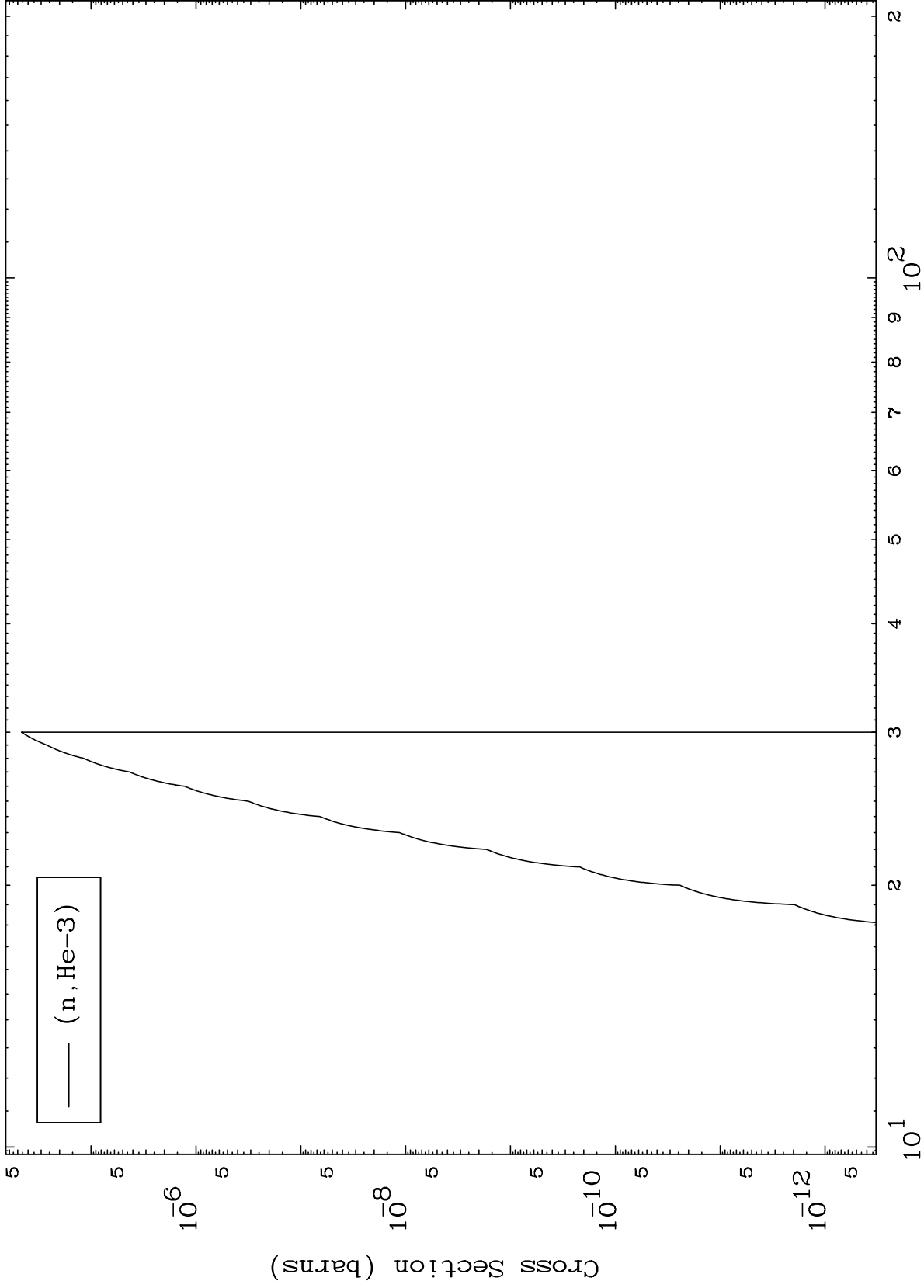
Incident Energy (MeV)

56-Ba-140

MAT 5655

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-140



13

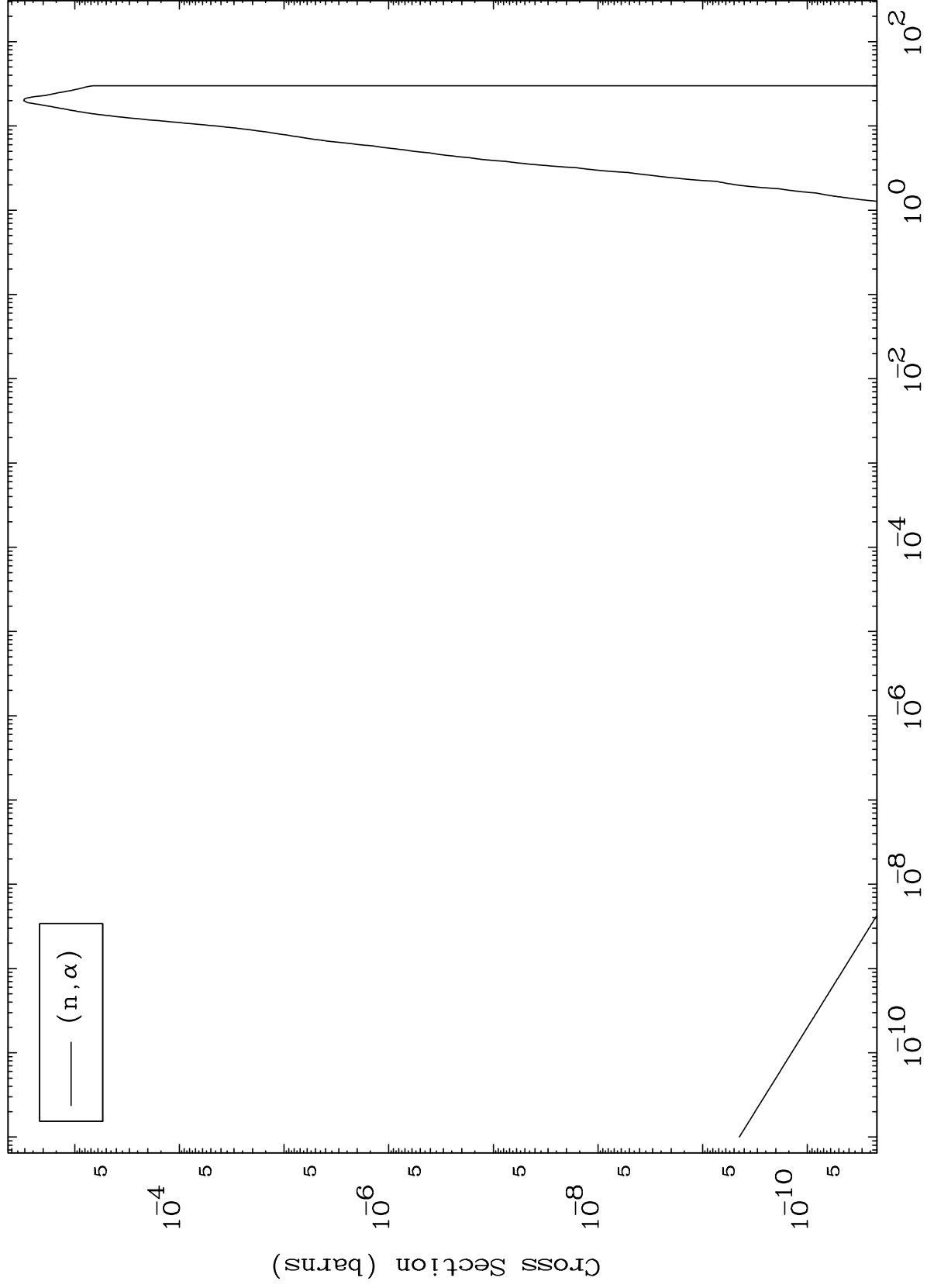
Incident Energy (MeV)

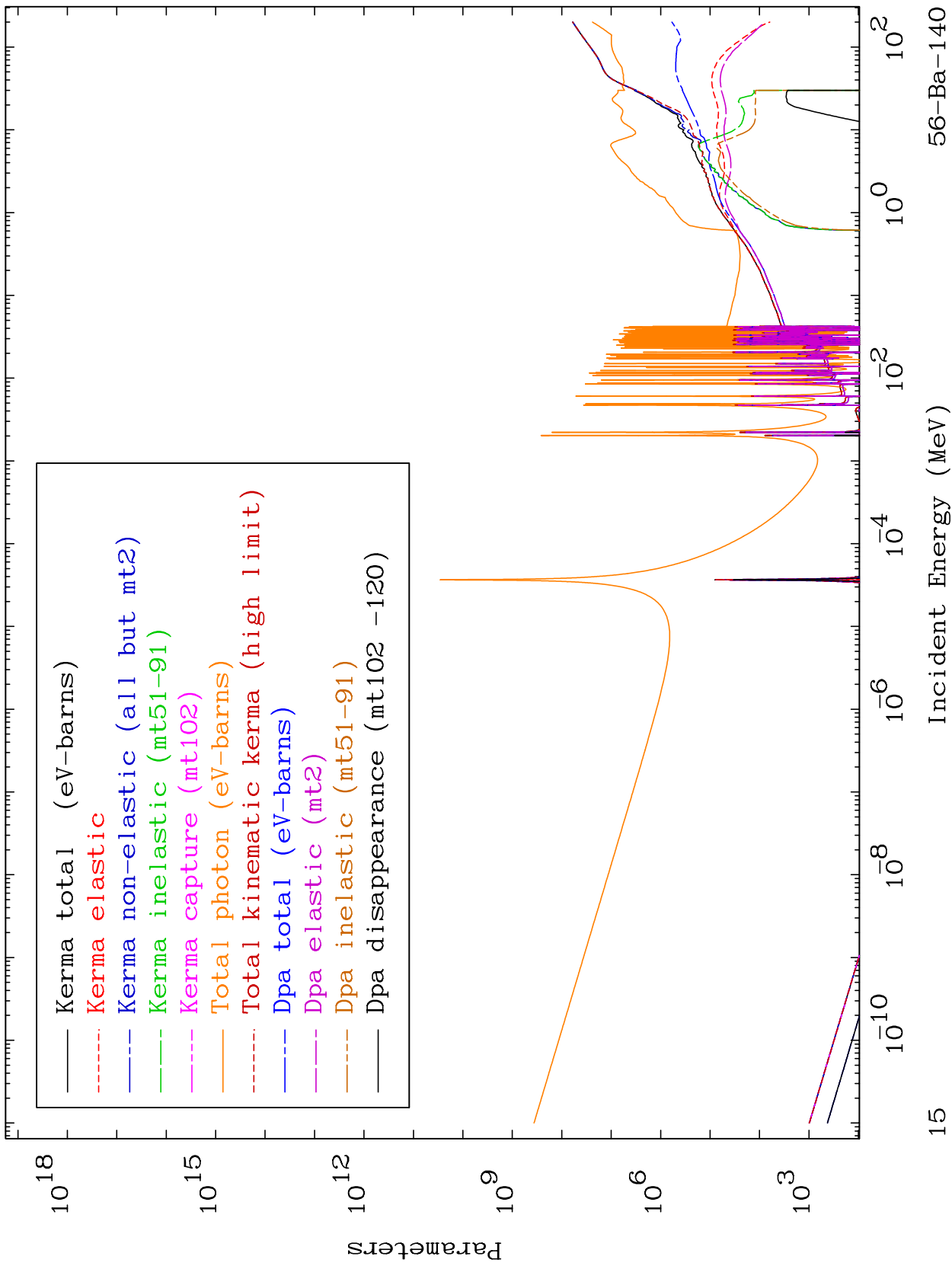
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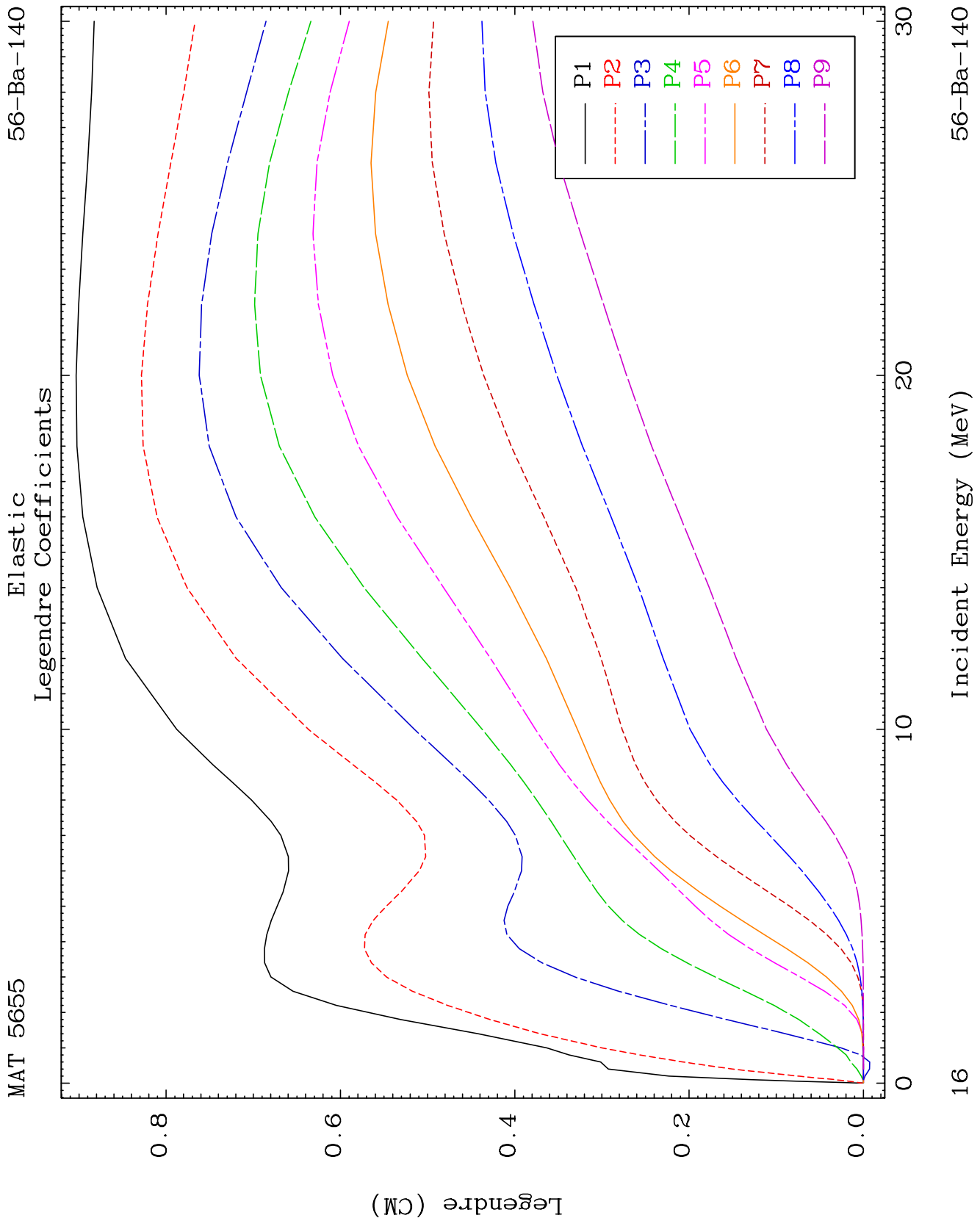
MAT 5655

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-140



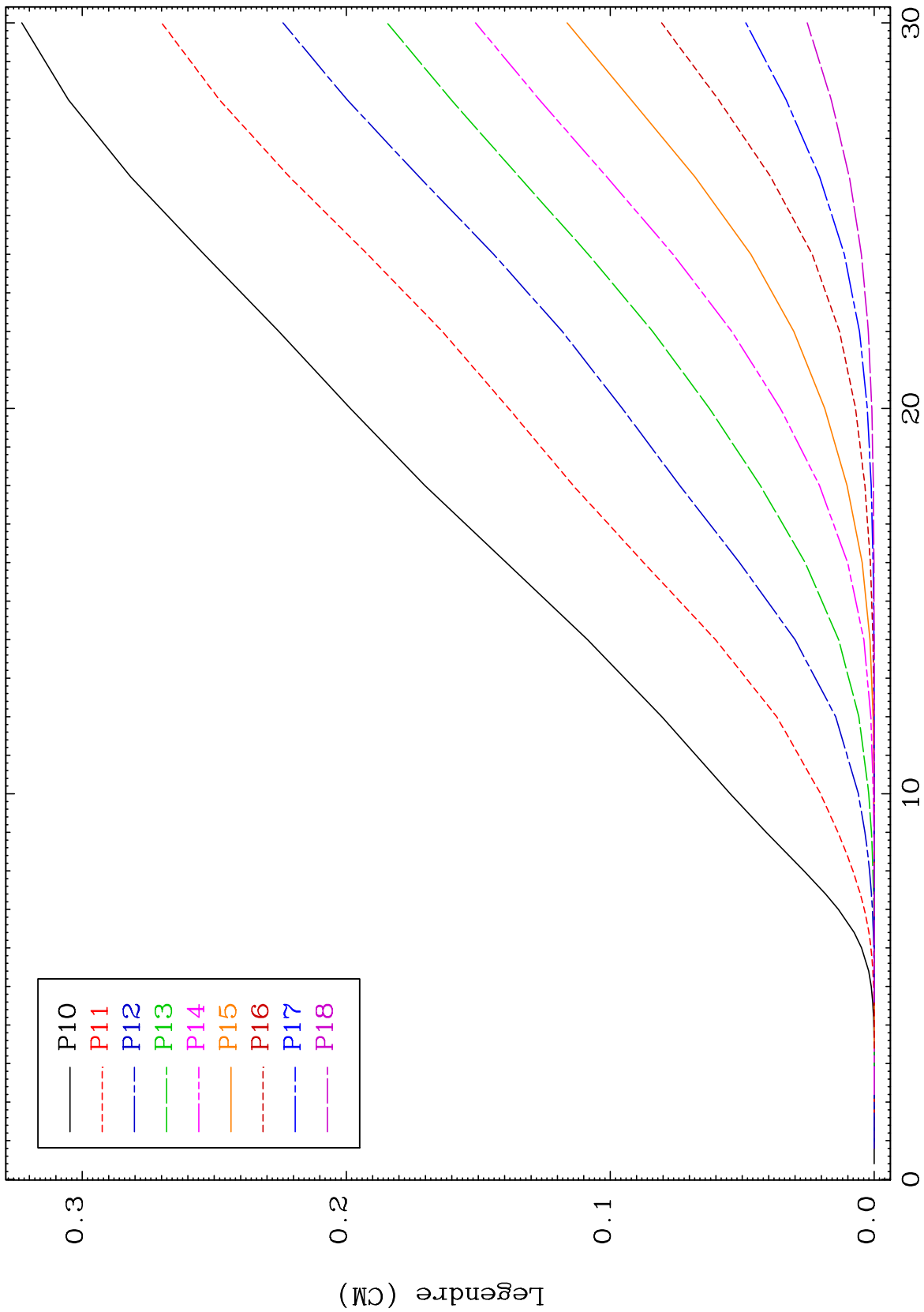




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Elastic Legendre Coefficients

56-Ba-140



17

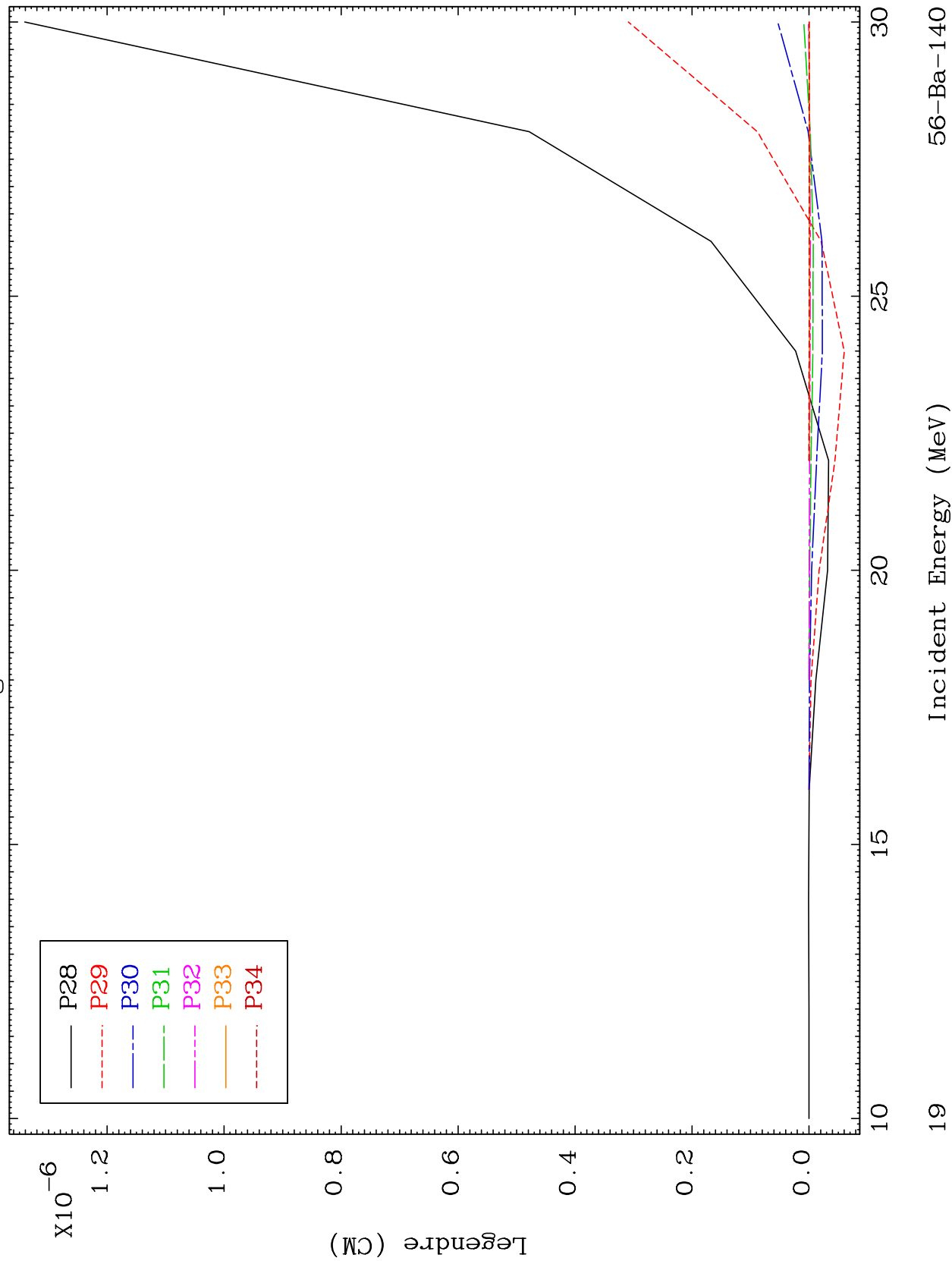
Incident Energy (MeV)

56-Ba-140

MAT 5655

Elastic Legendre Coefficients

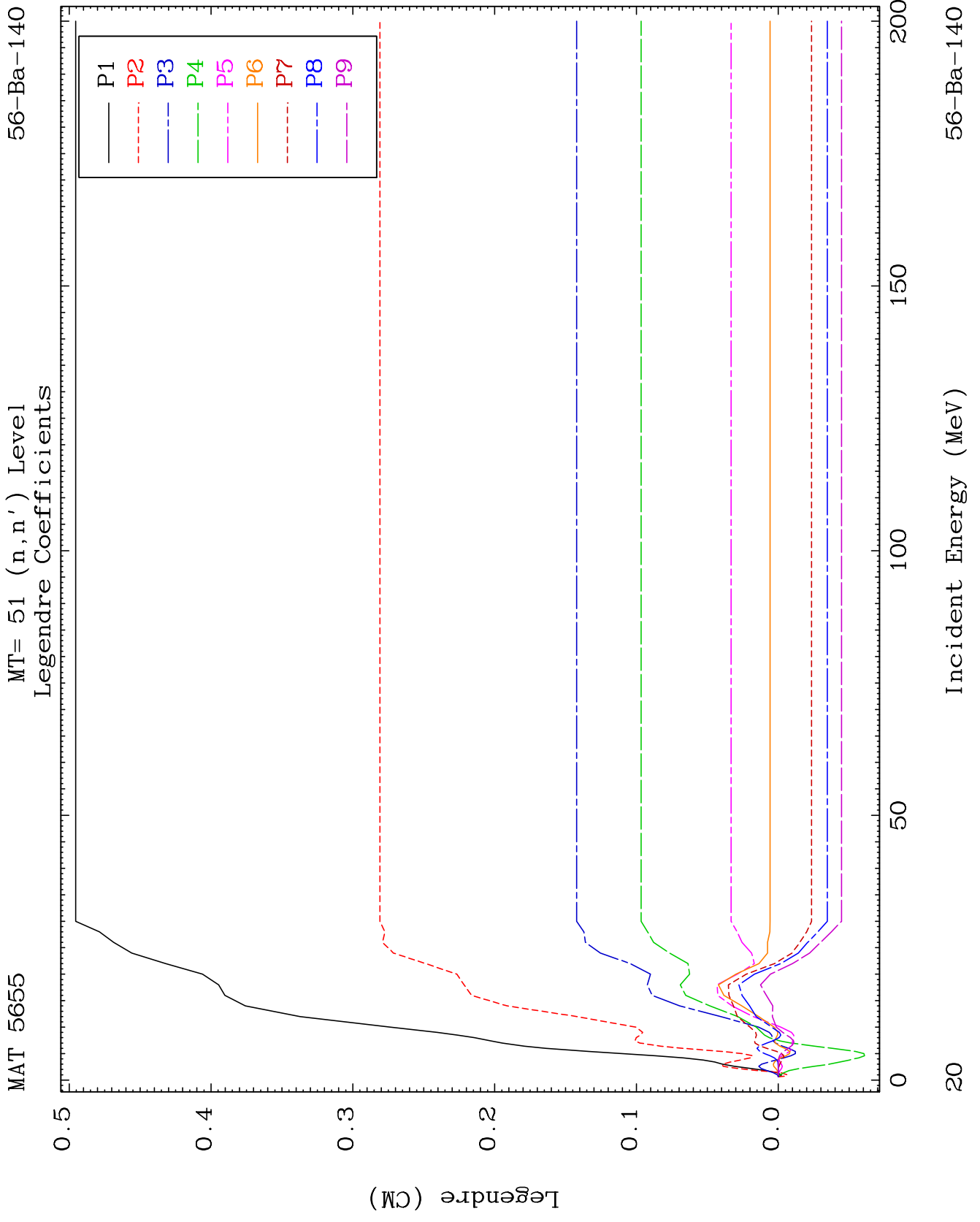
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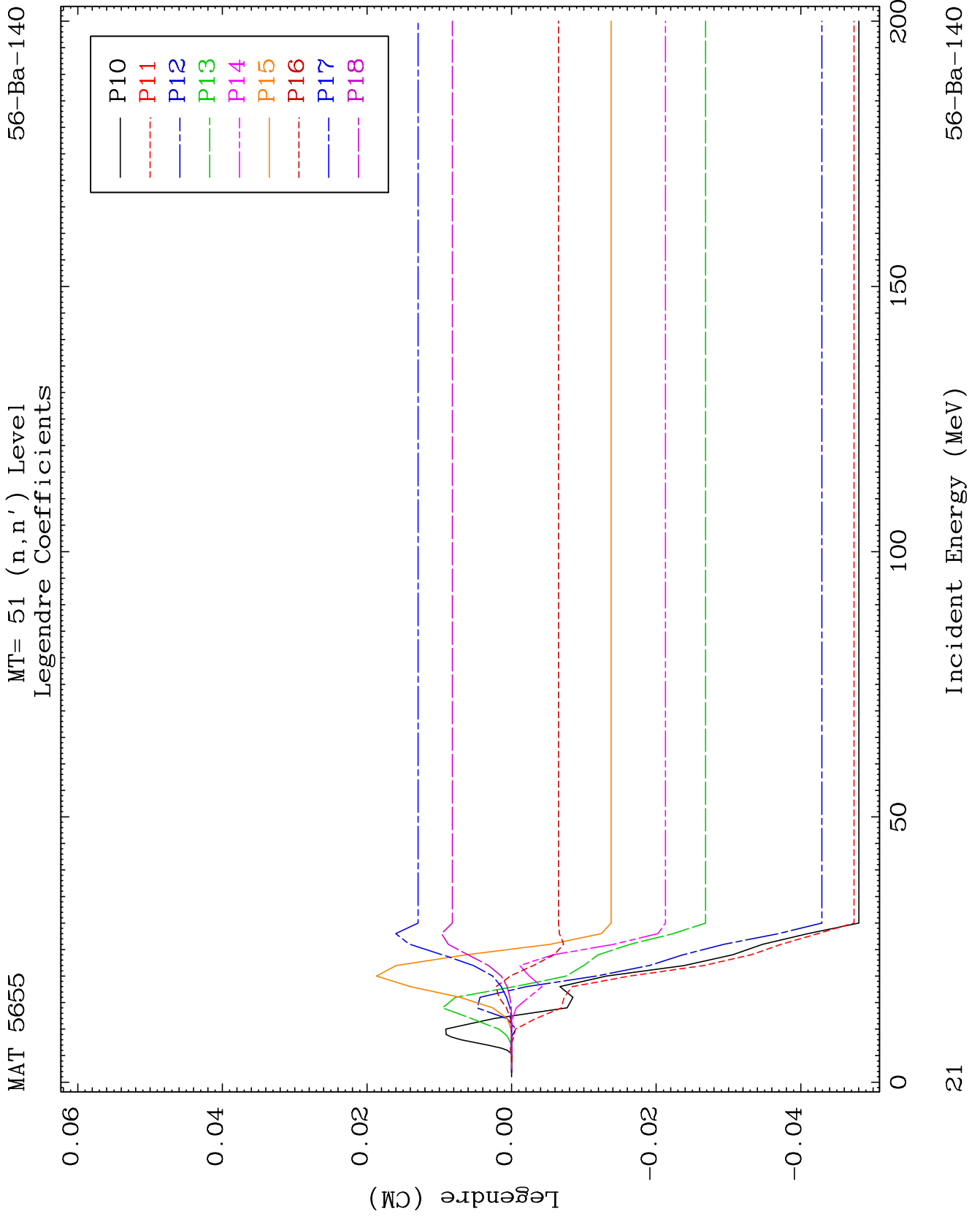


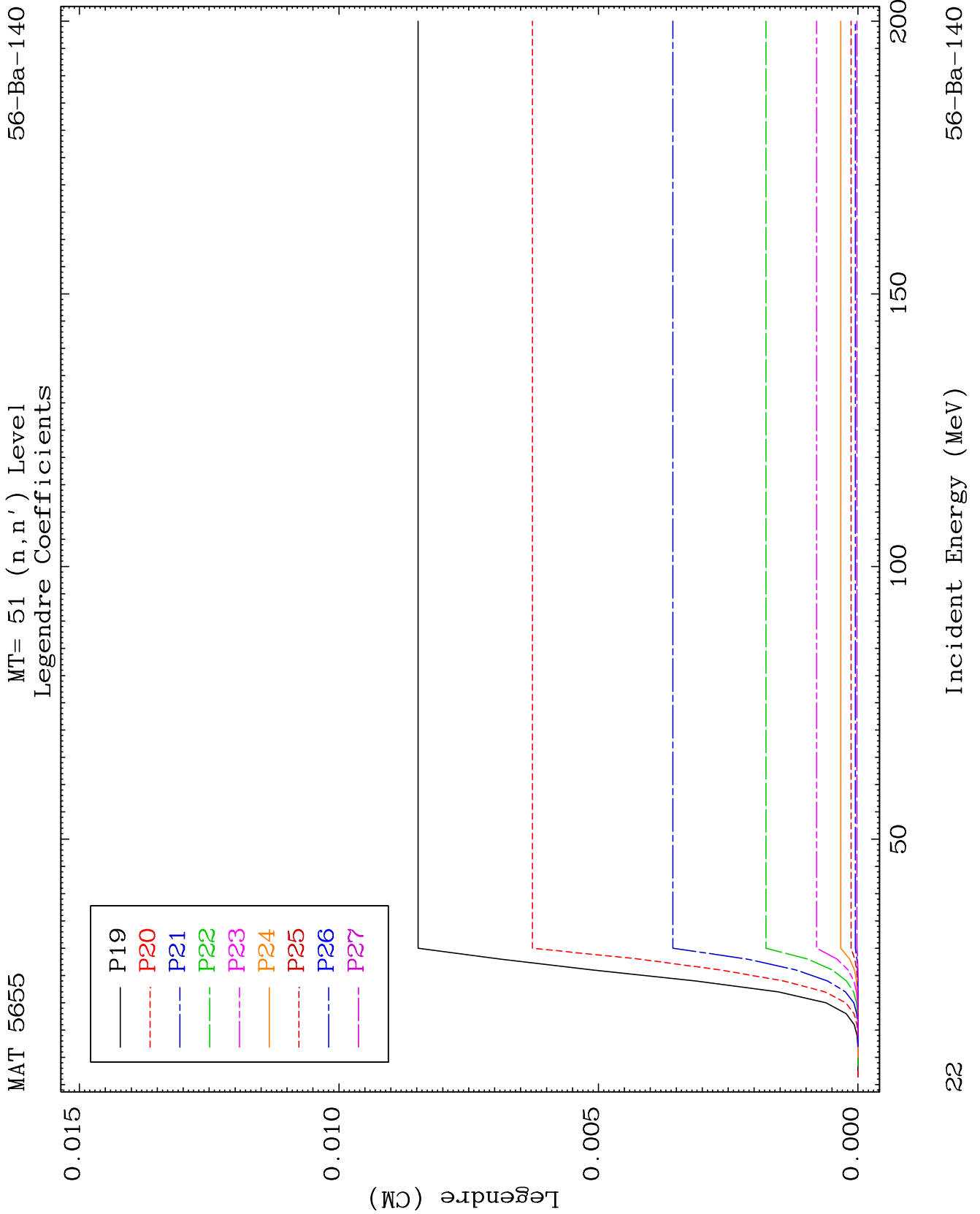
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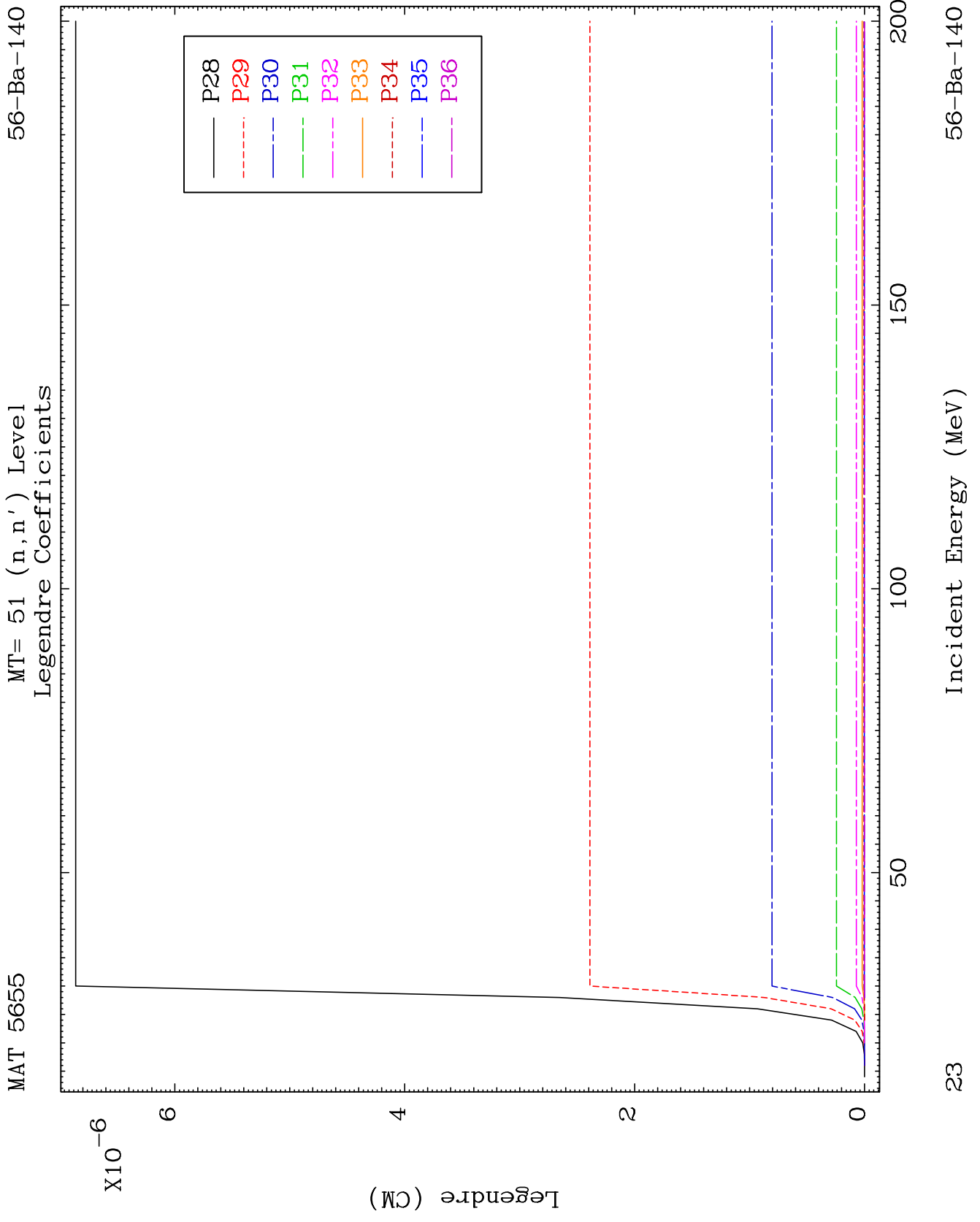
Incident Energy (MeV)

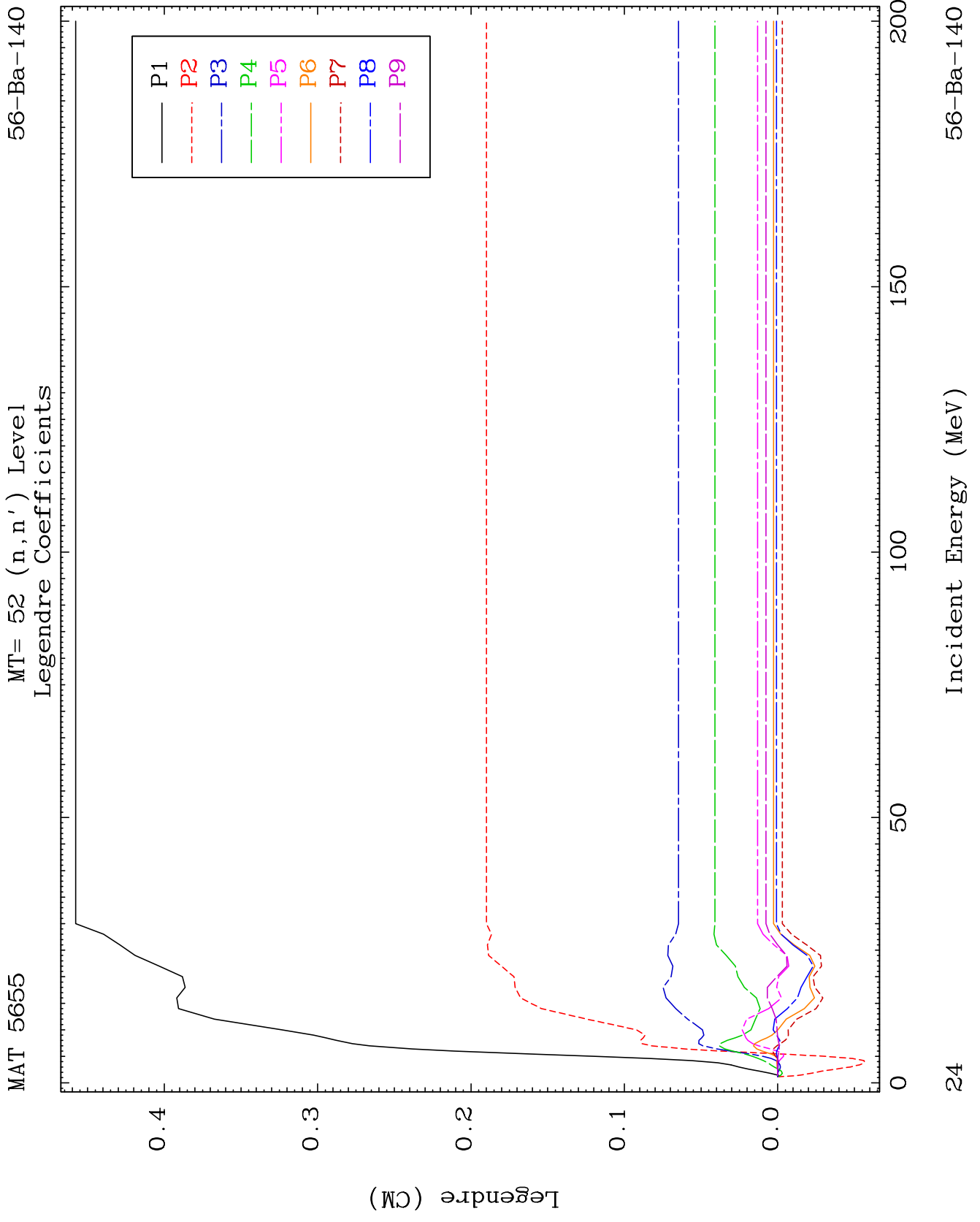
19

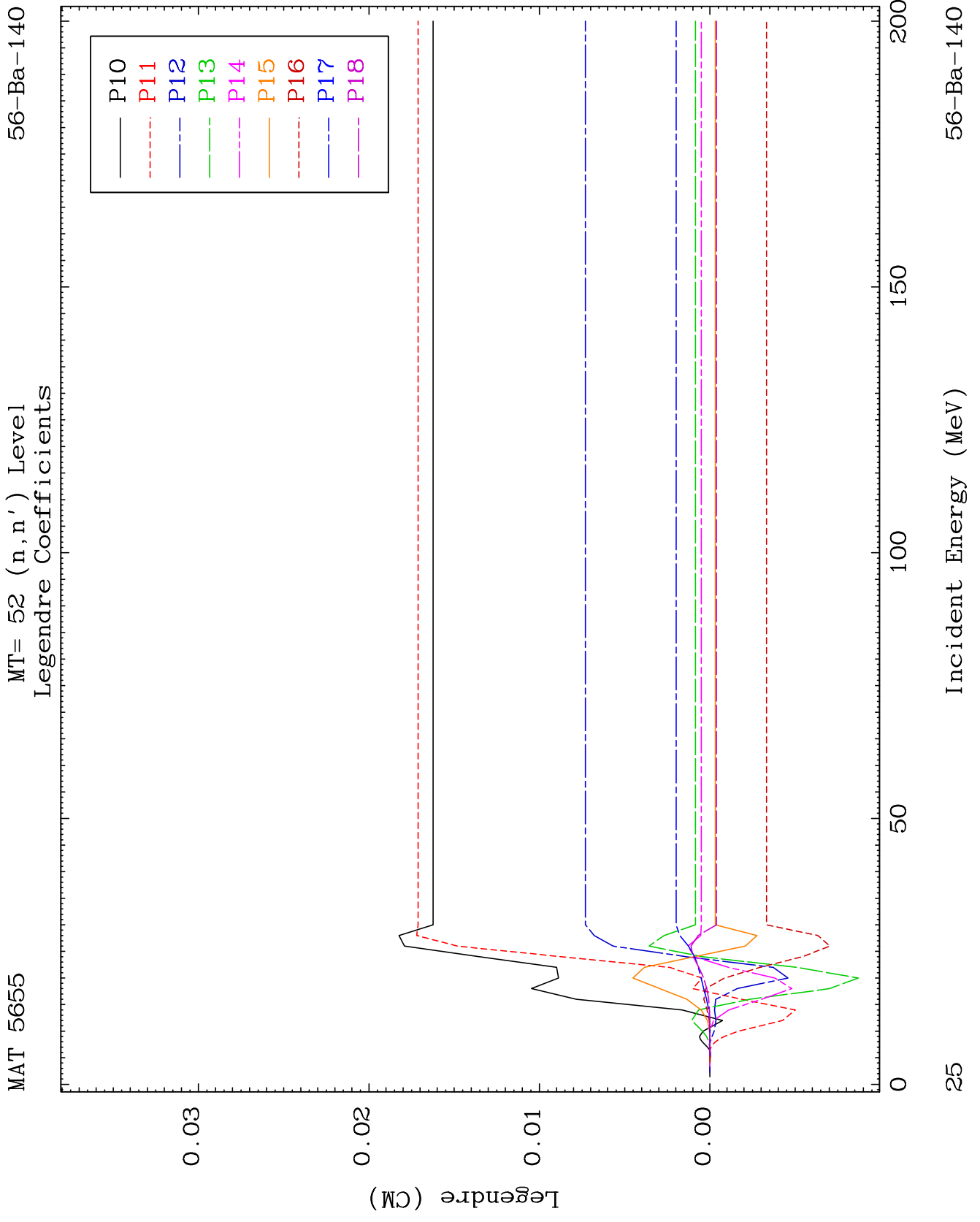


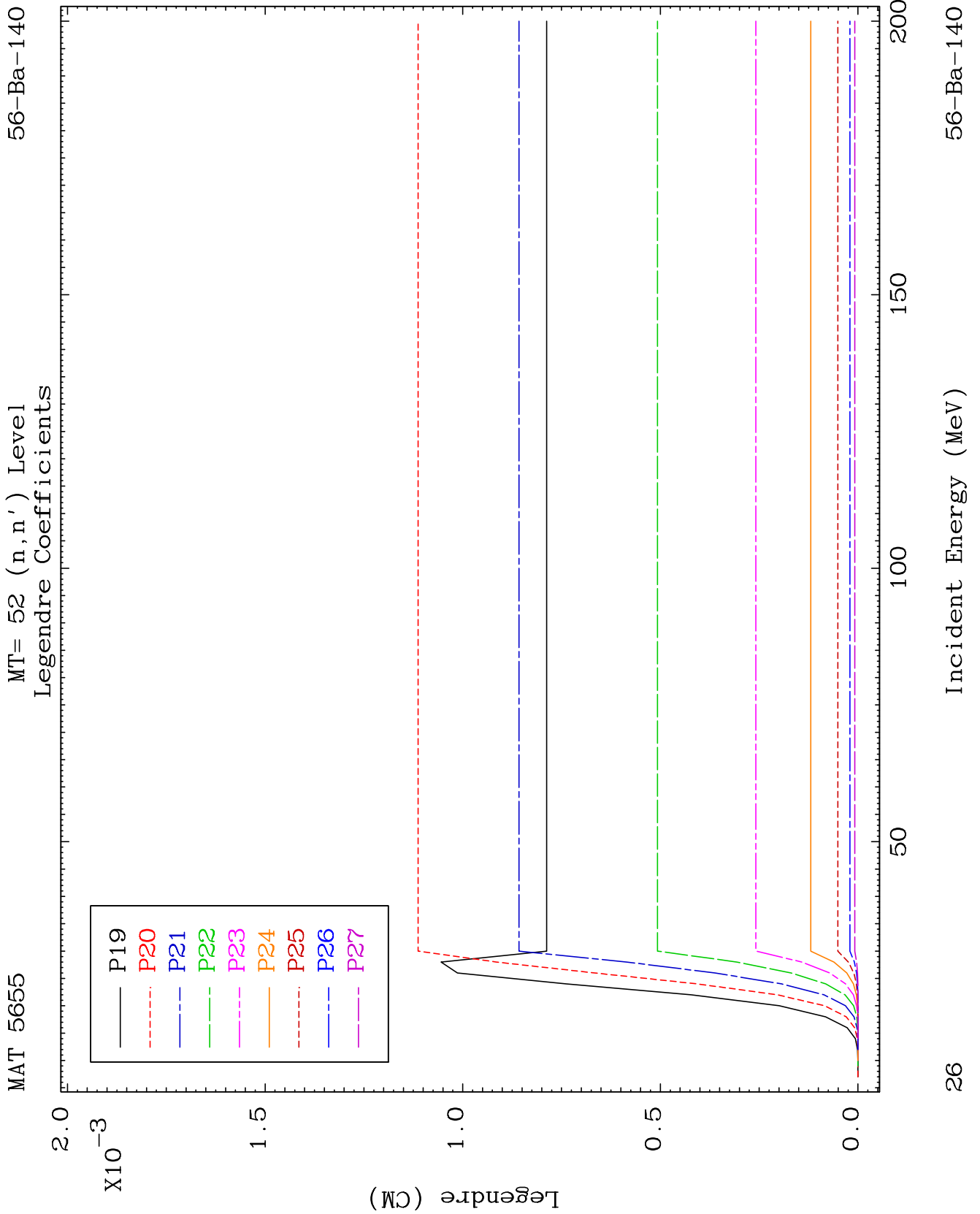








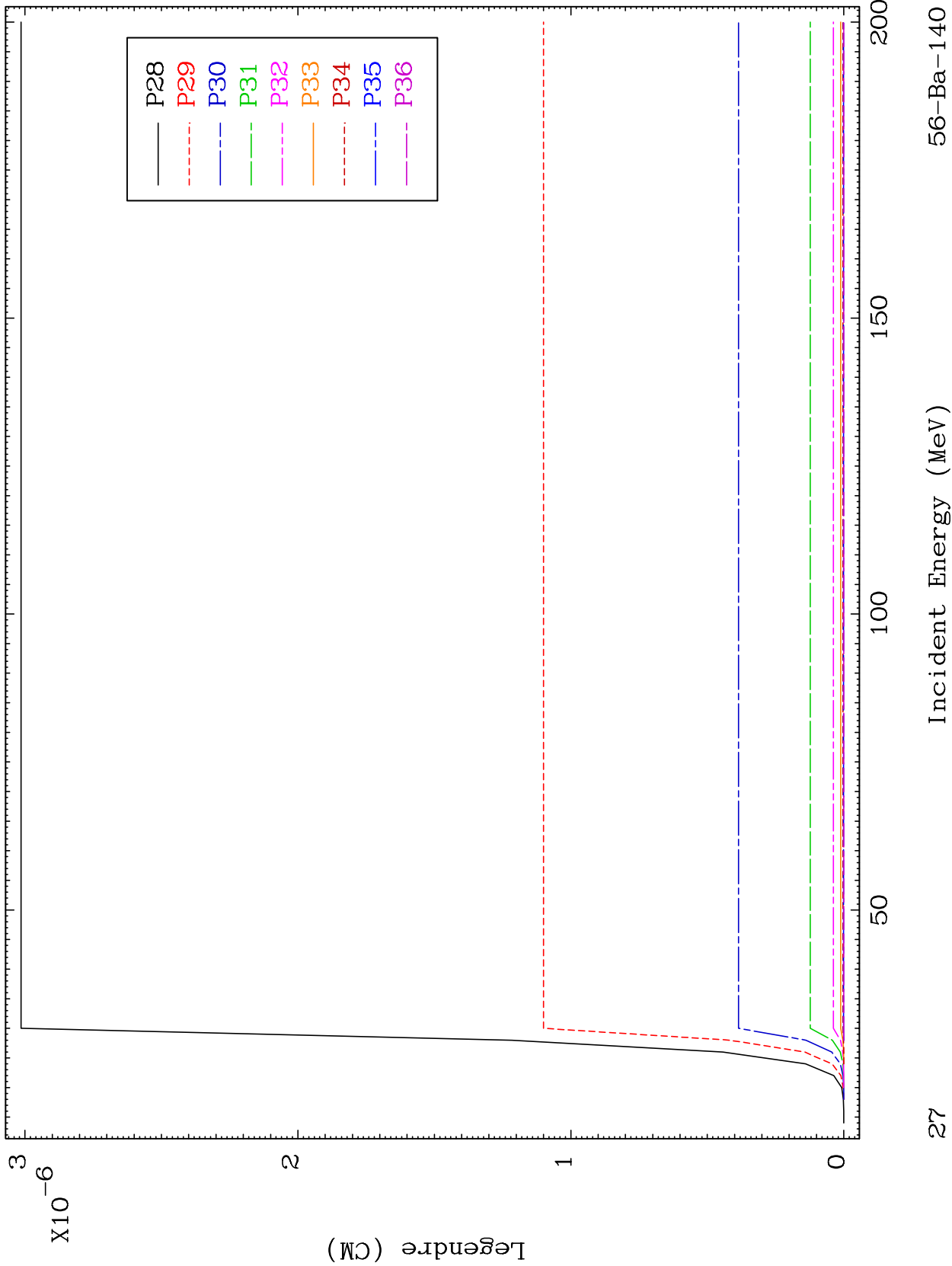




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MT= 52 (n,n') Level
Legendre Coefficients

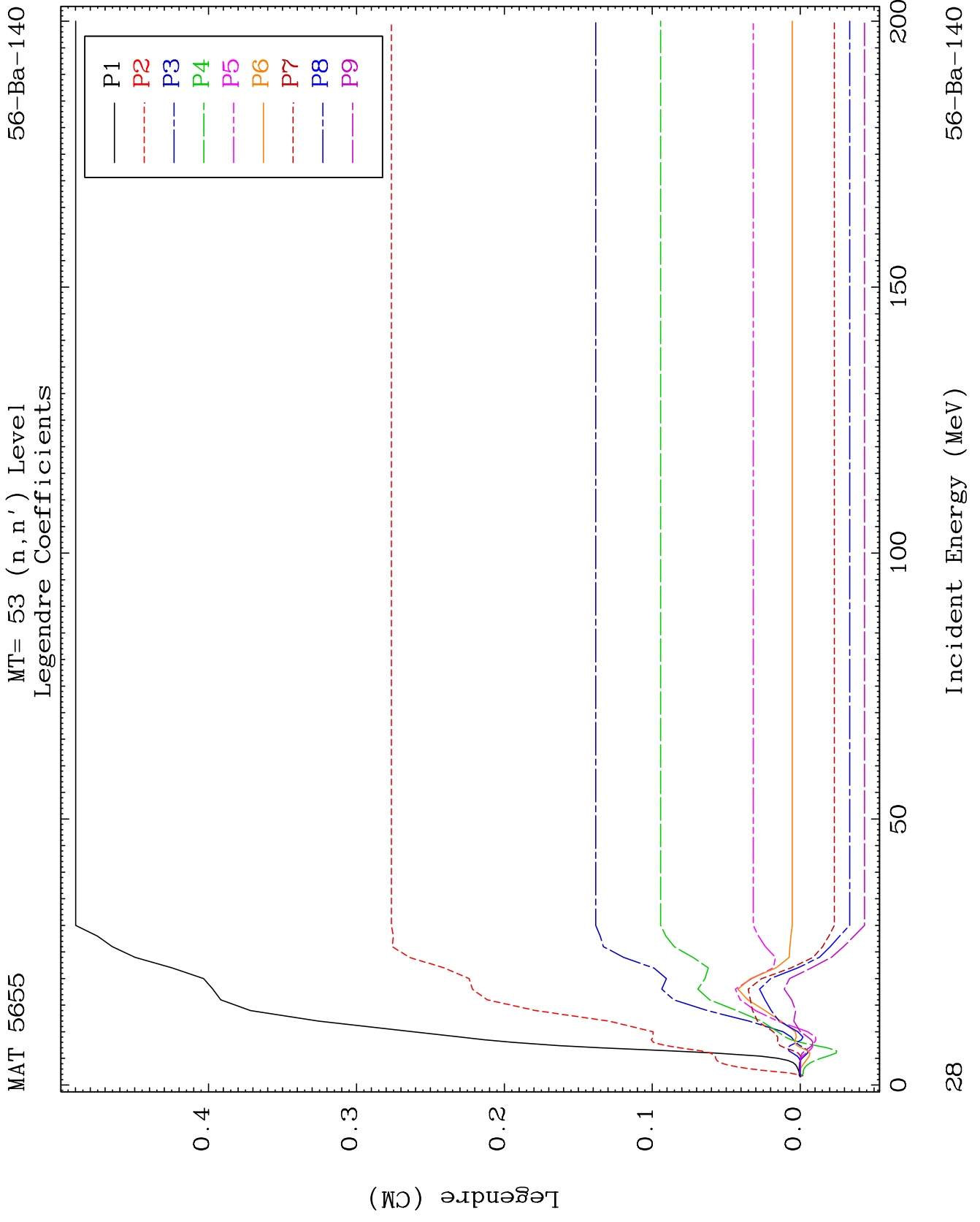
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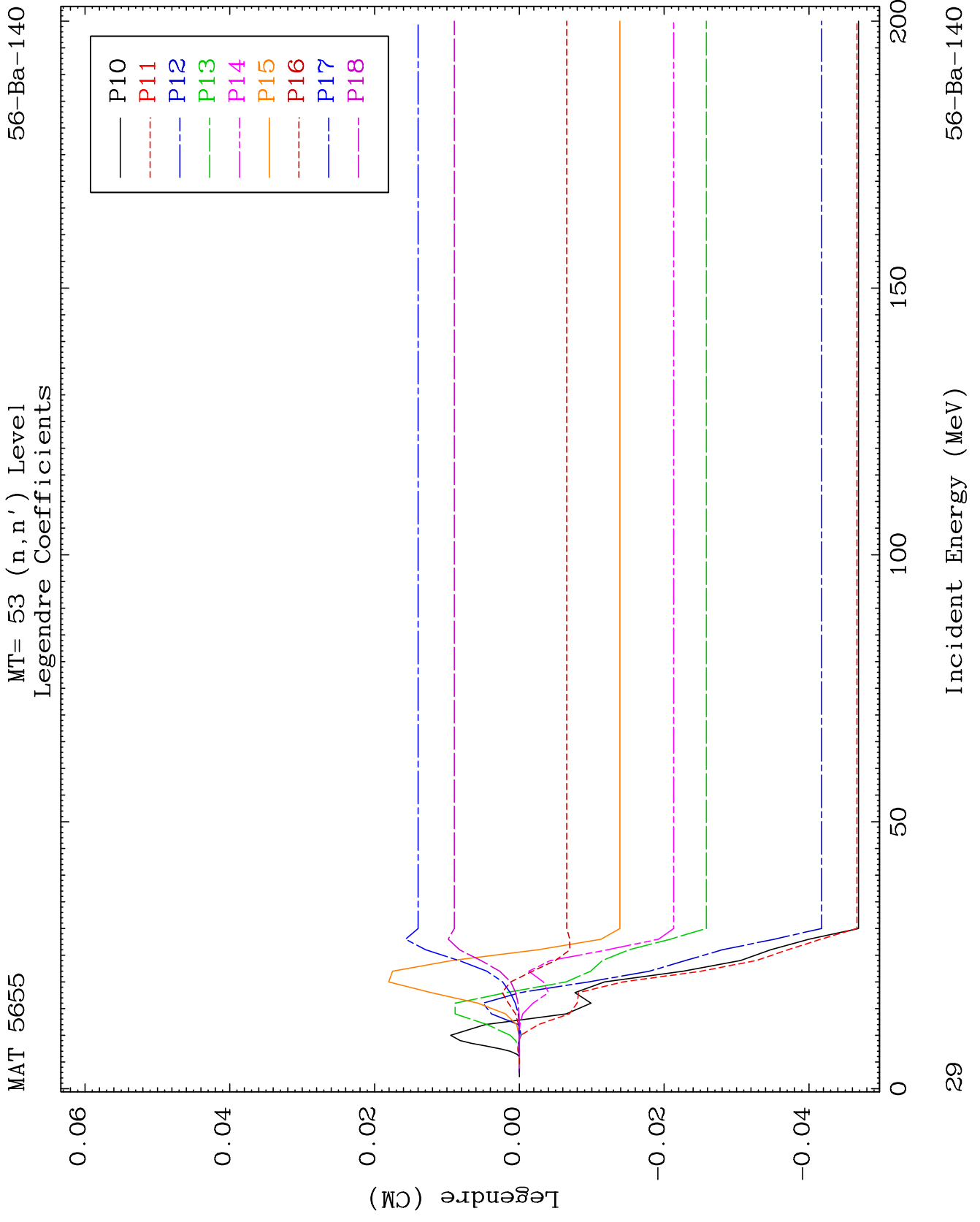


27

Incident Energy (MeV)

56-Ba-140

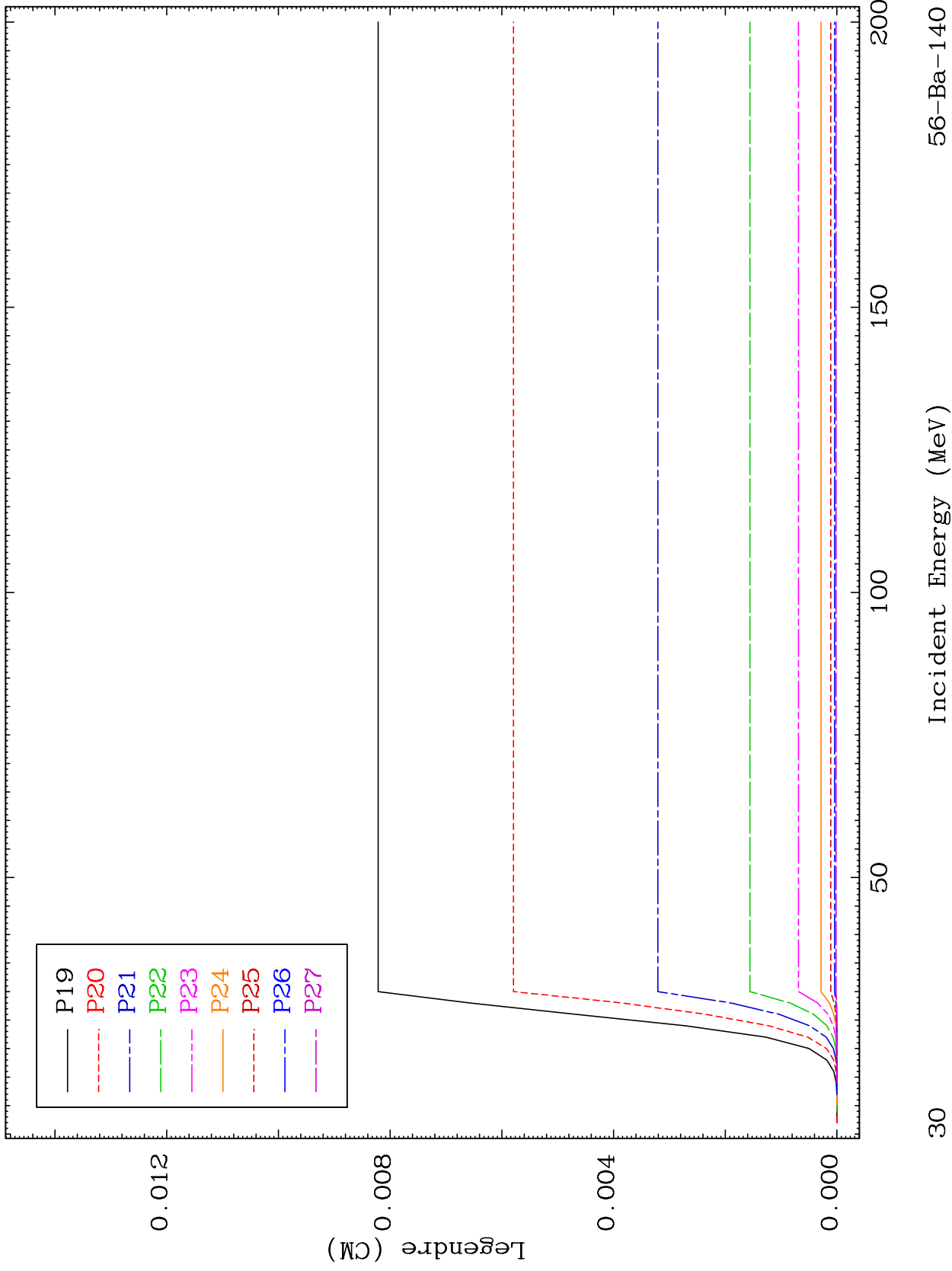




MAT 5655

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

56-Ba-140



56-Ba-140

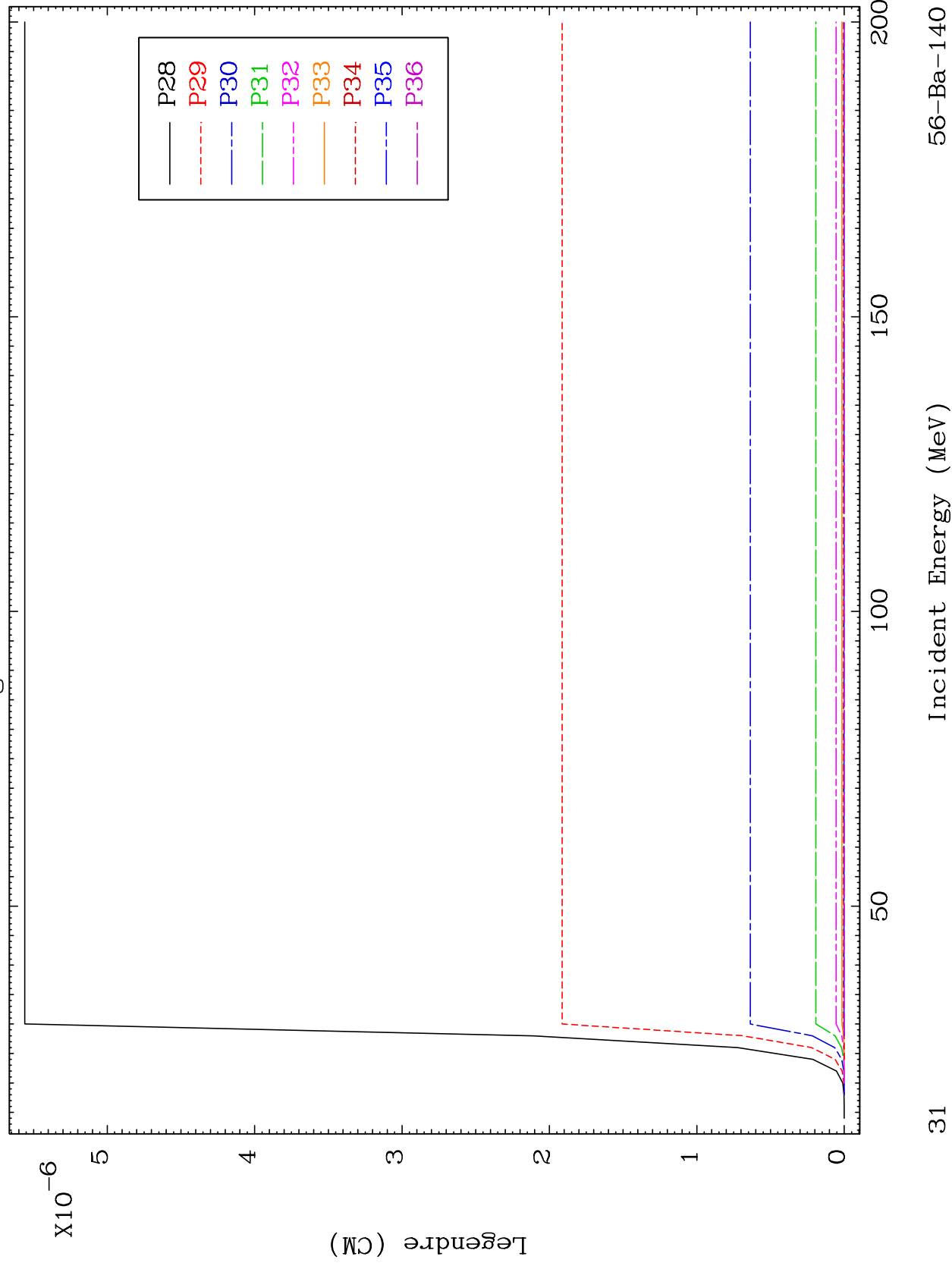
Incident Energy (MeV)

30

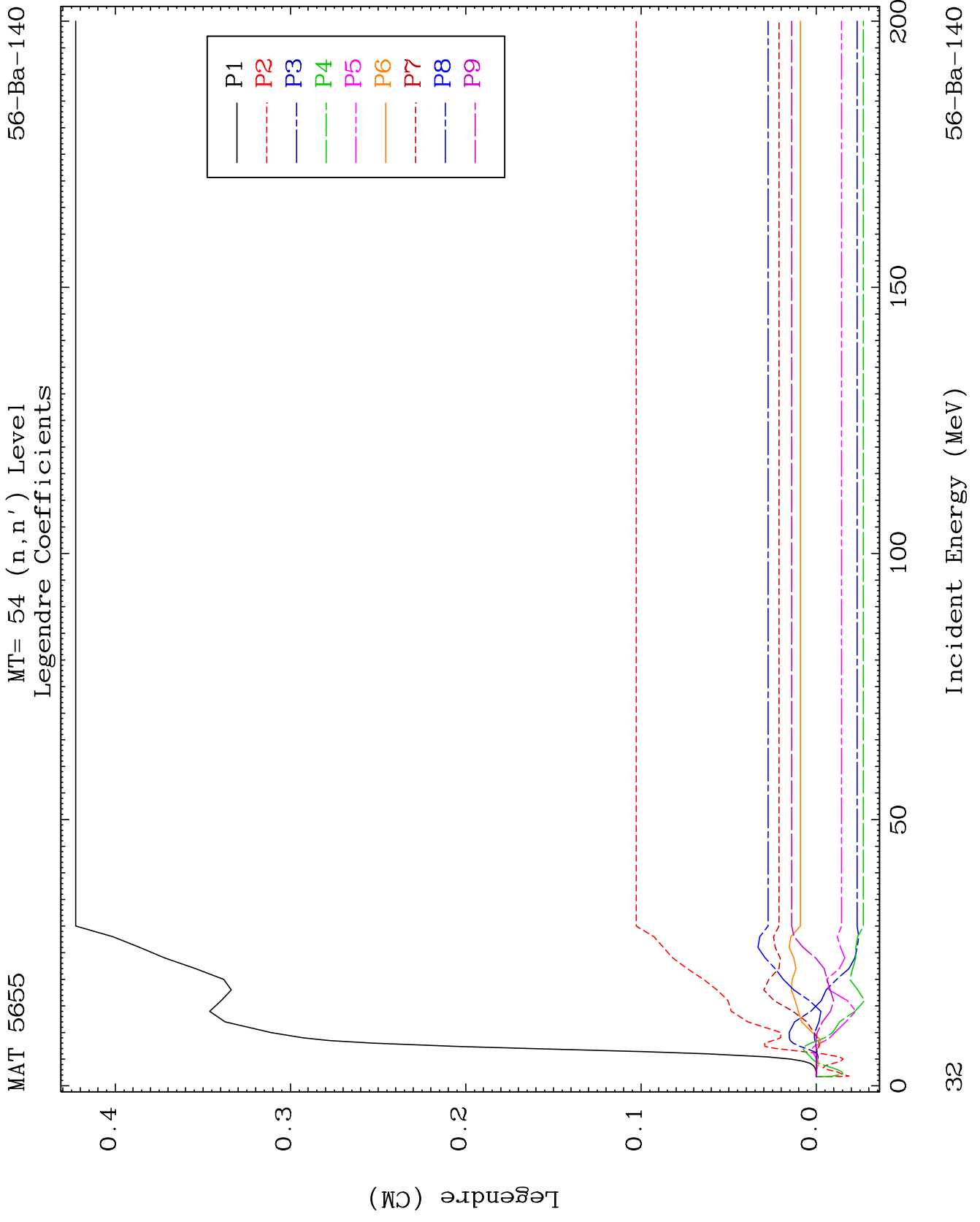
MAT 5655

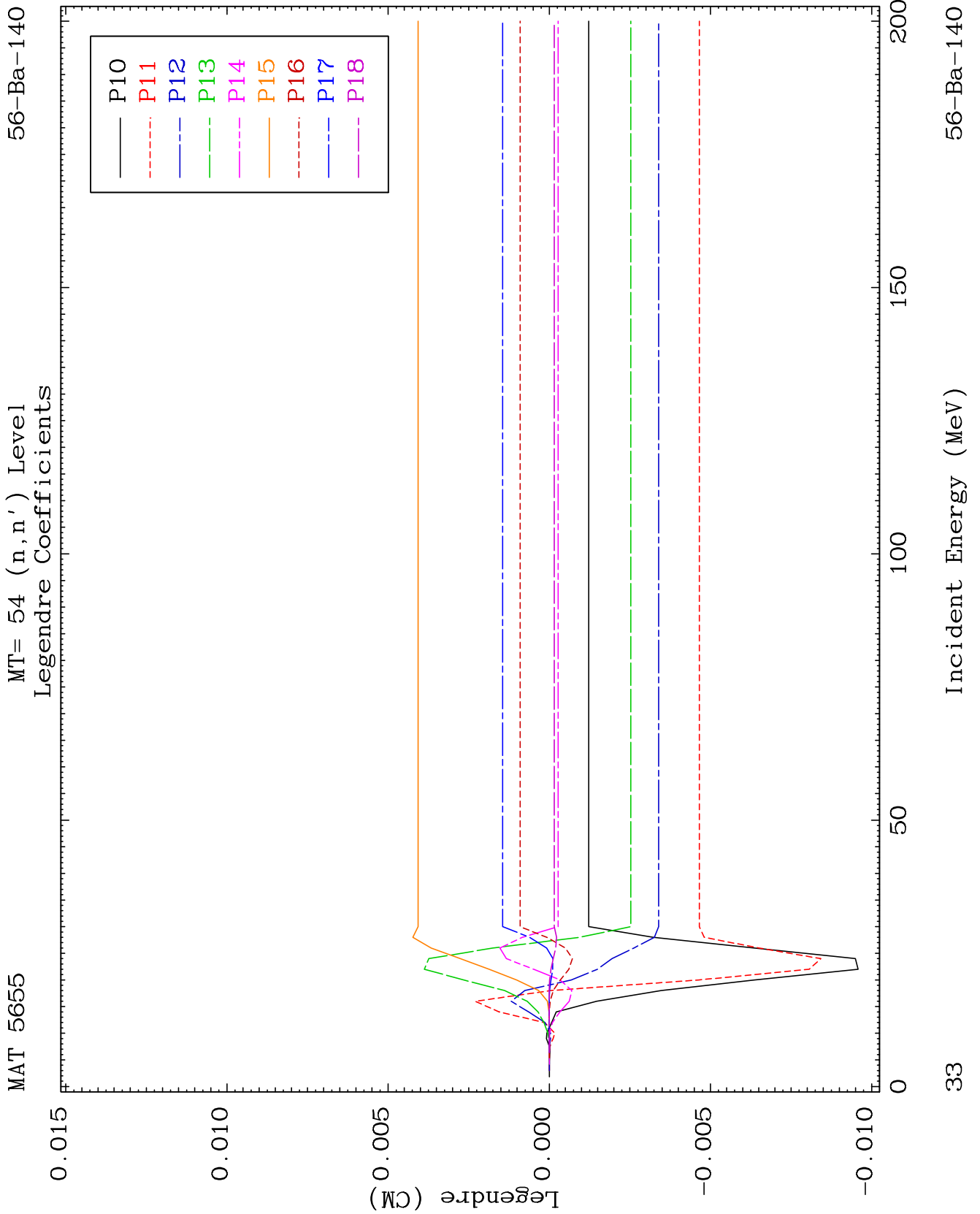
MT= 53 (n,n') Level
Legendre Coefficients

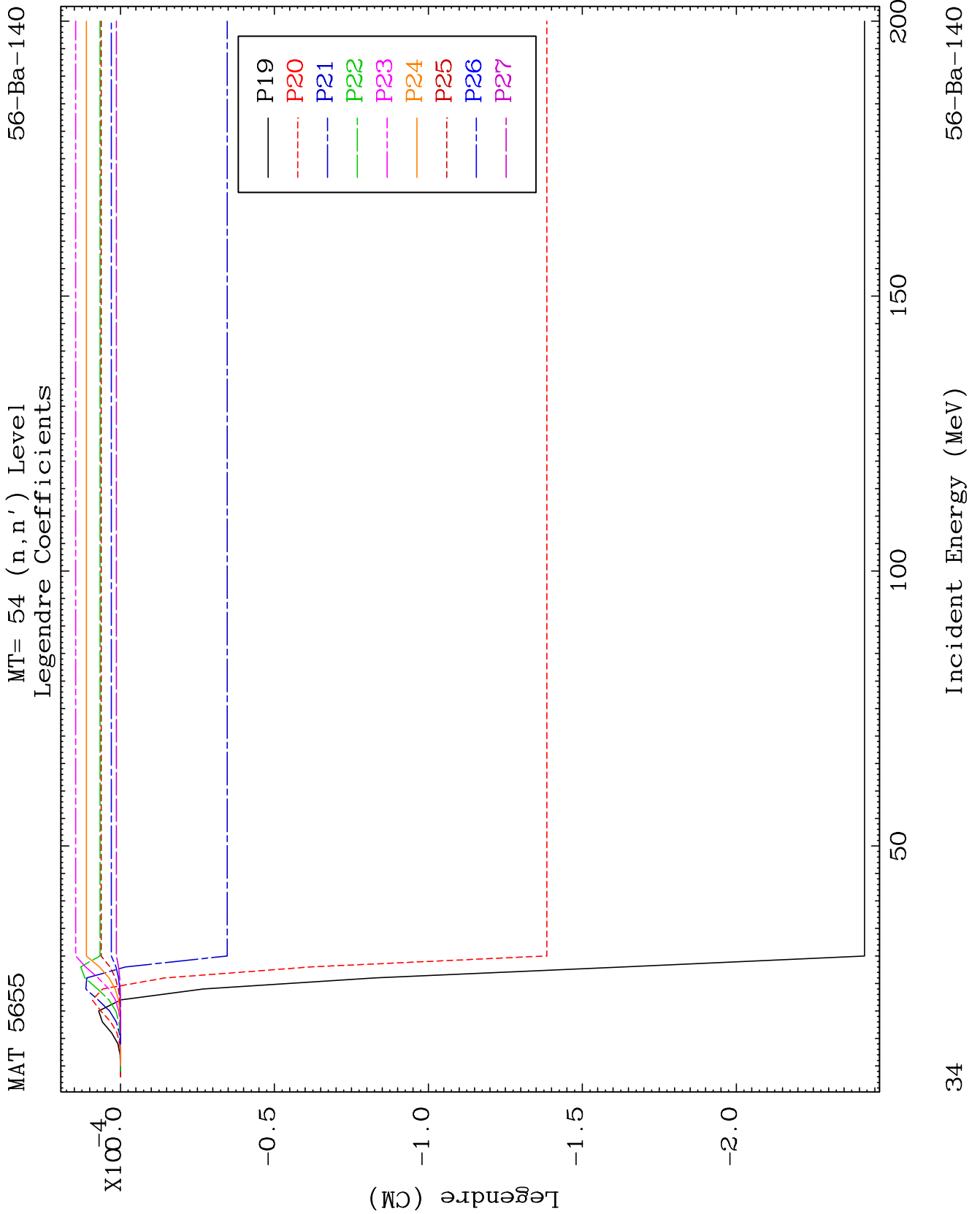
56-Ba-140



31



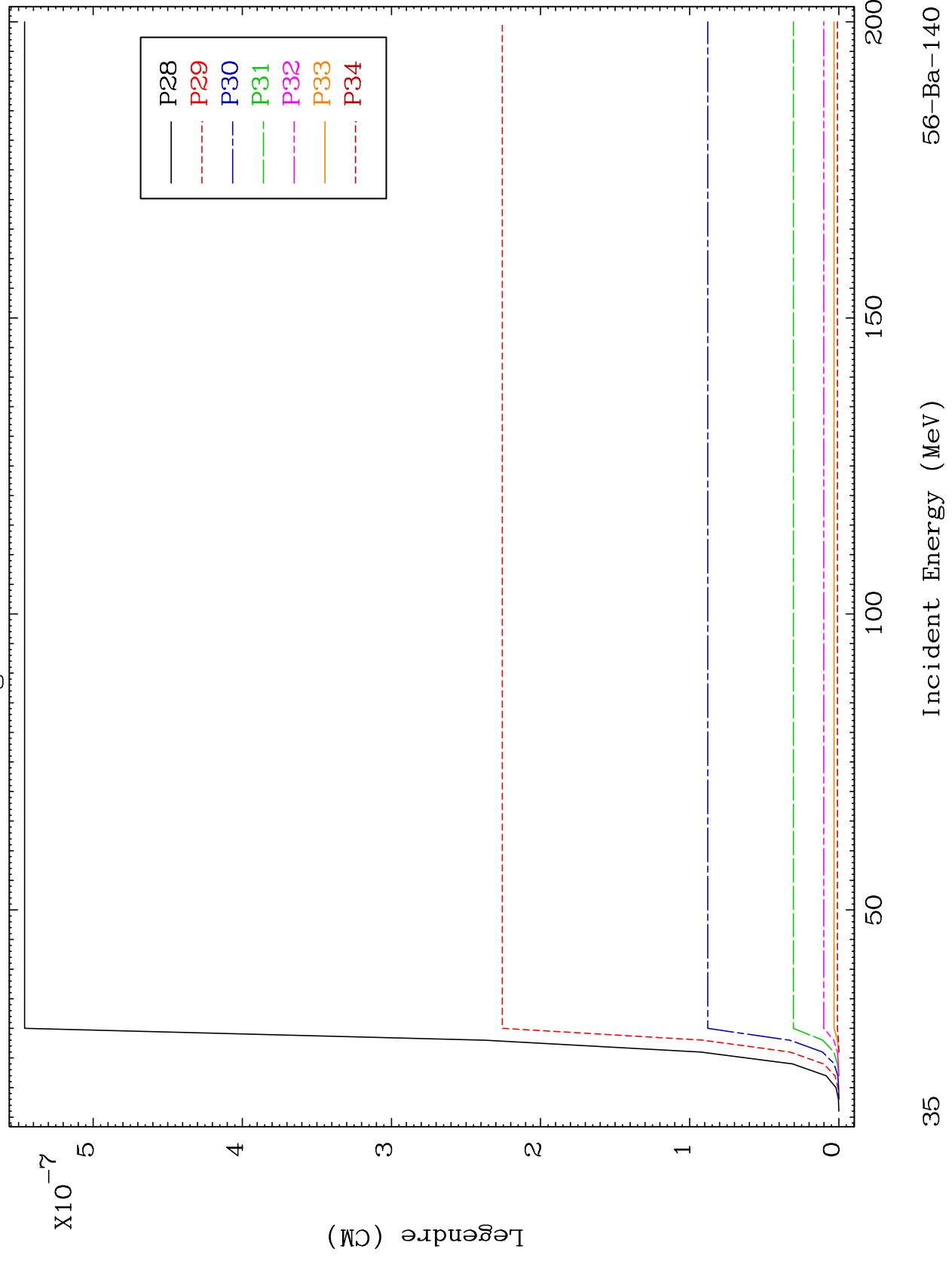


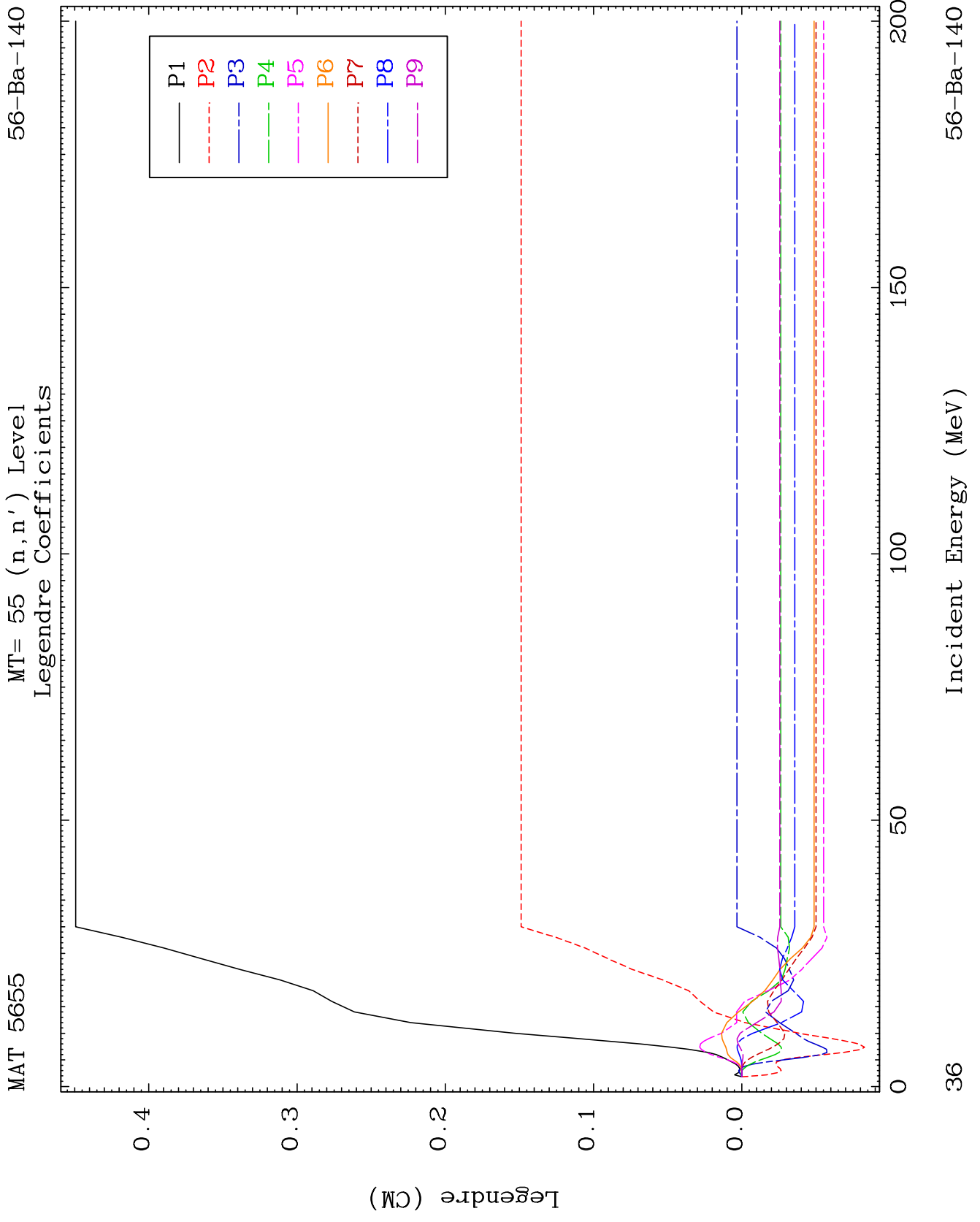


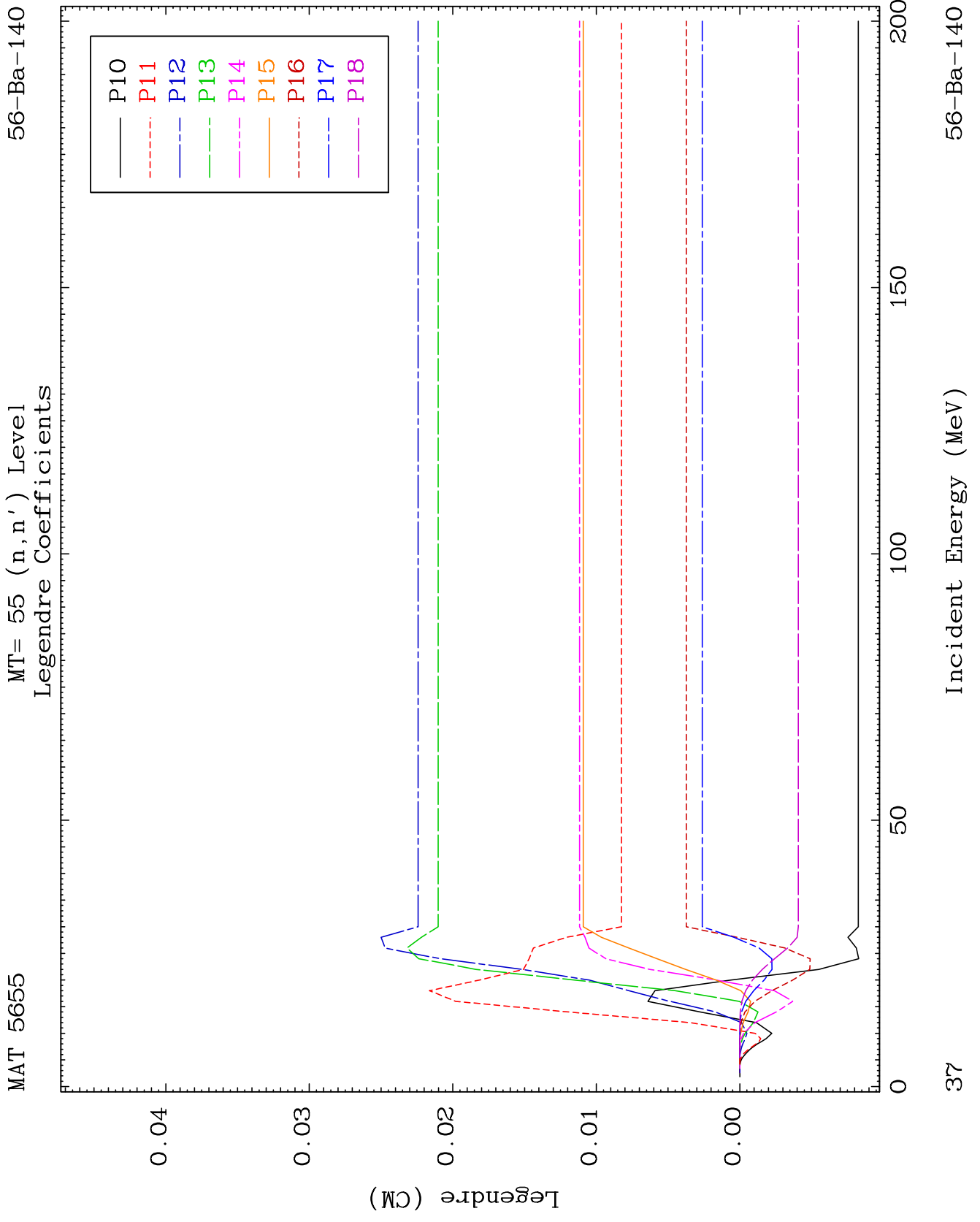
MAT 5655

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

56-Ba-140



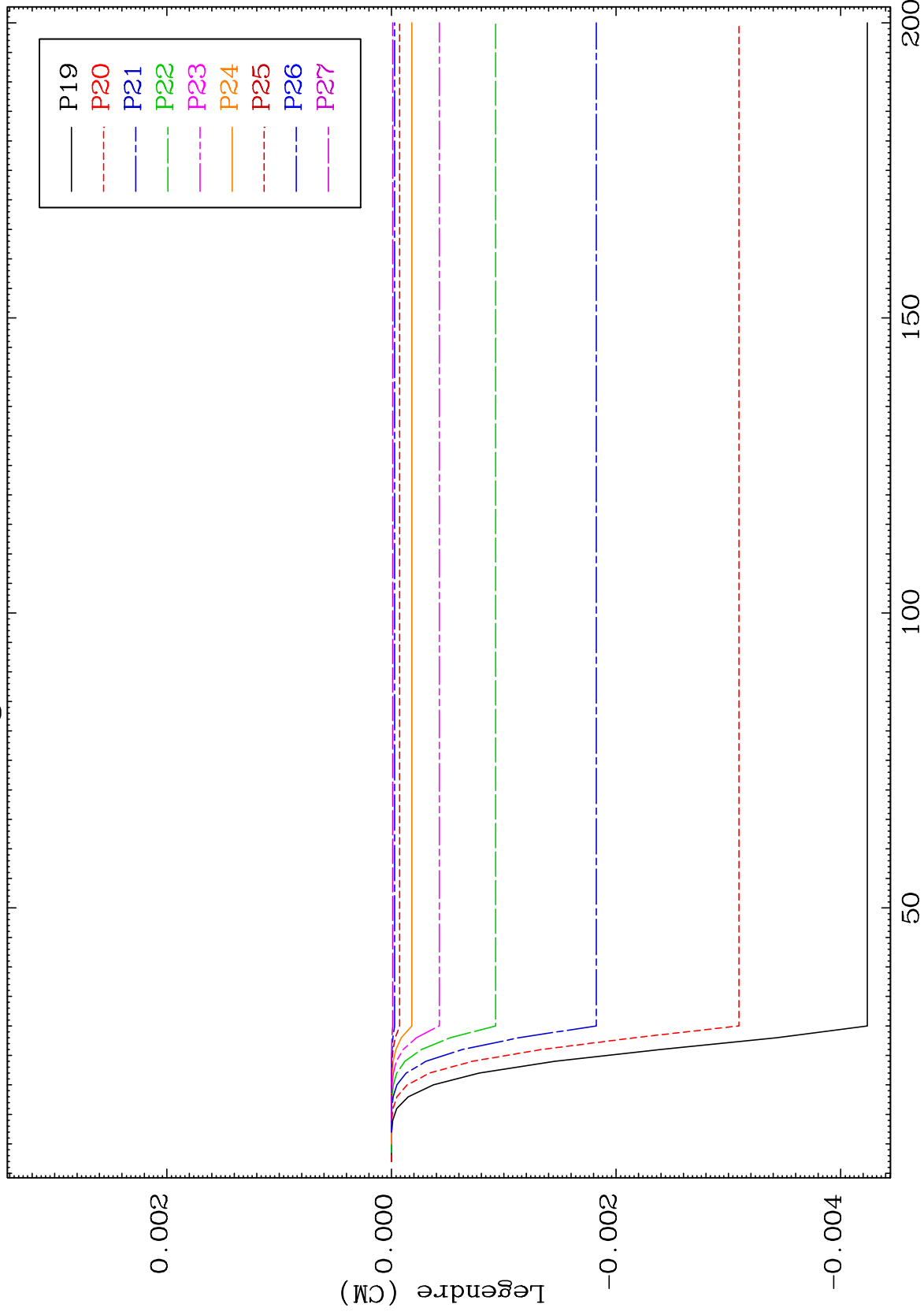




MAT 5655

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

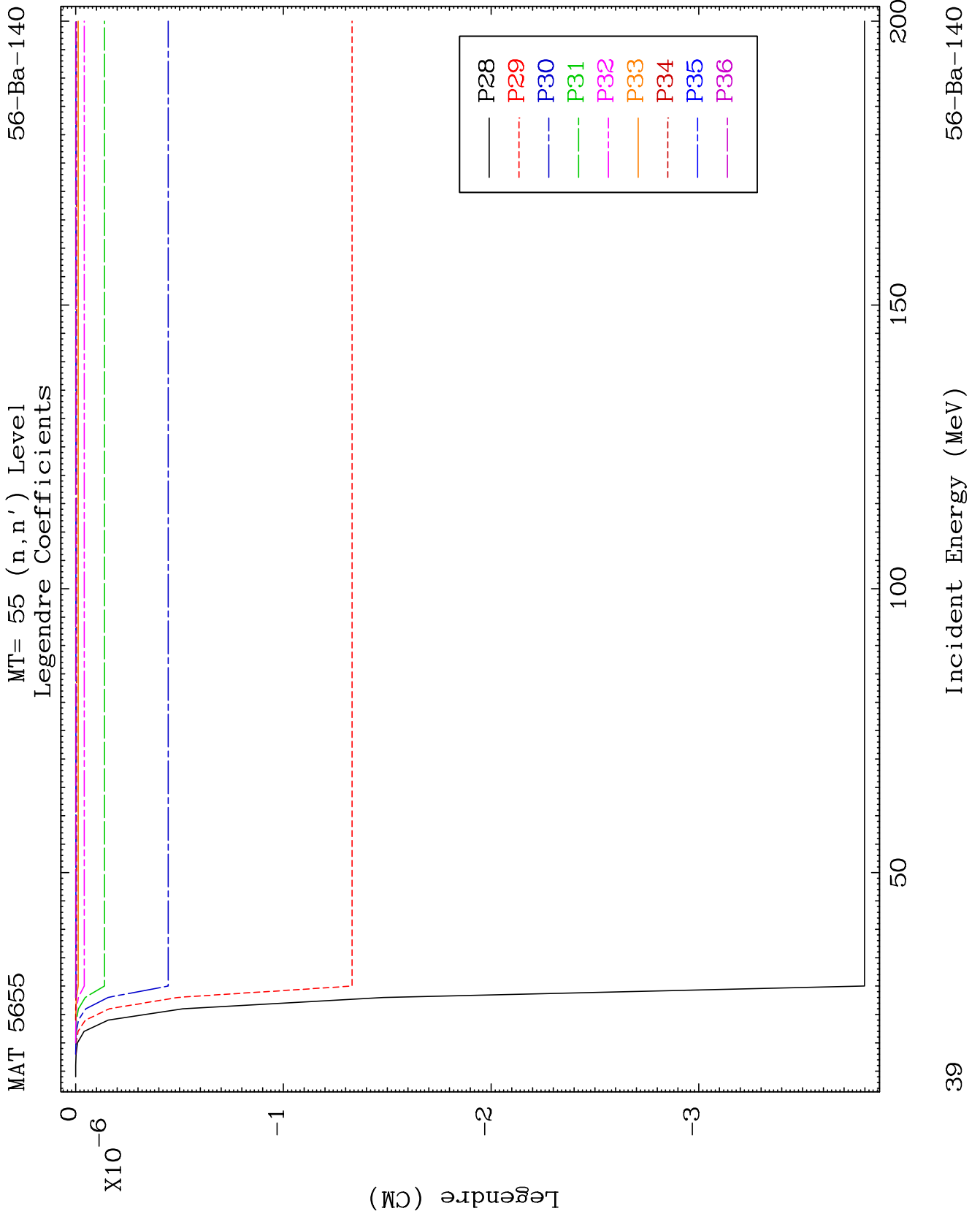
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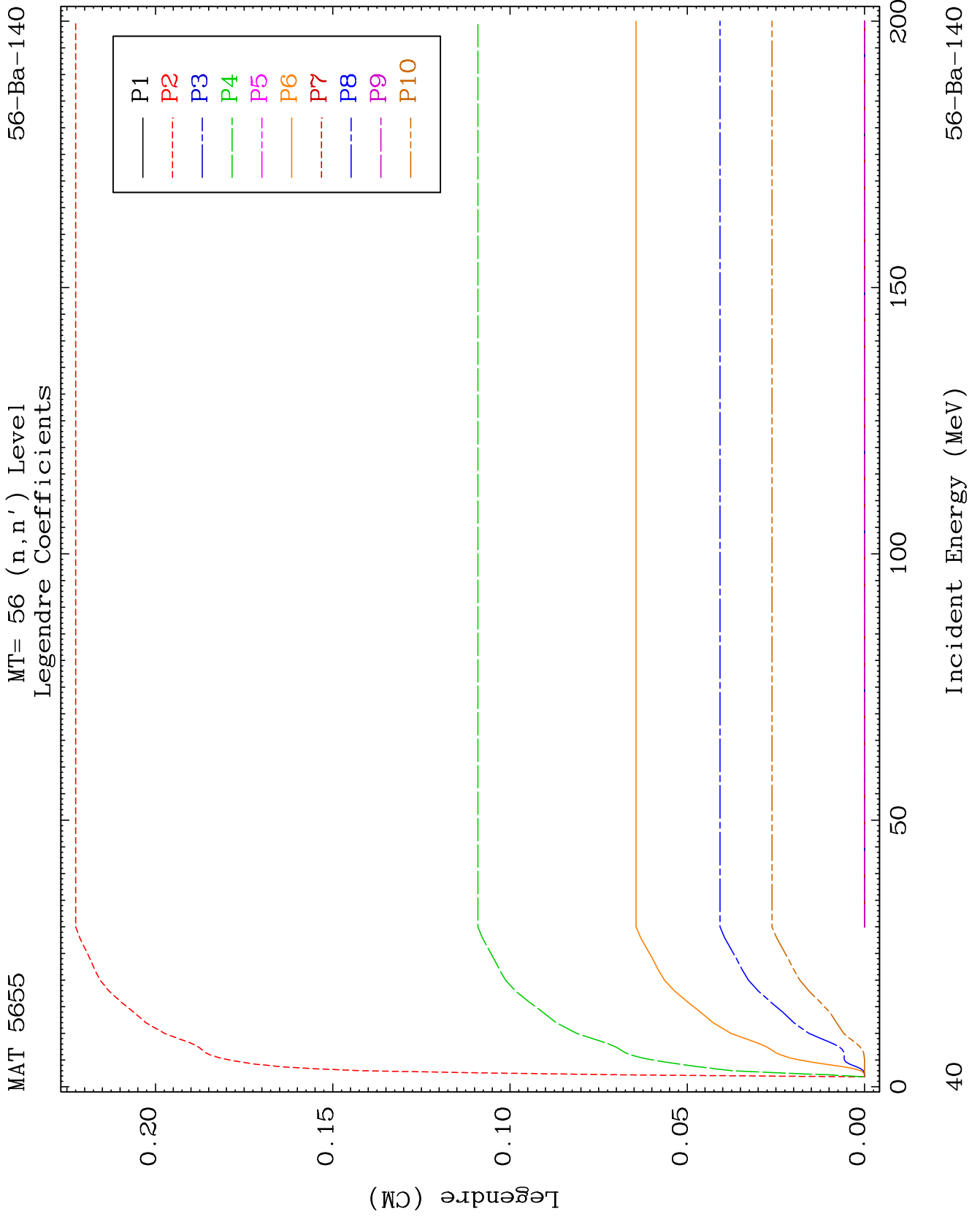


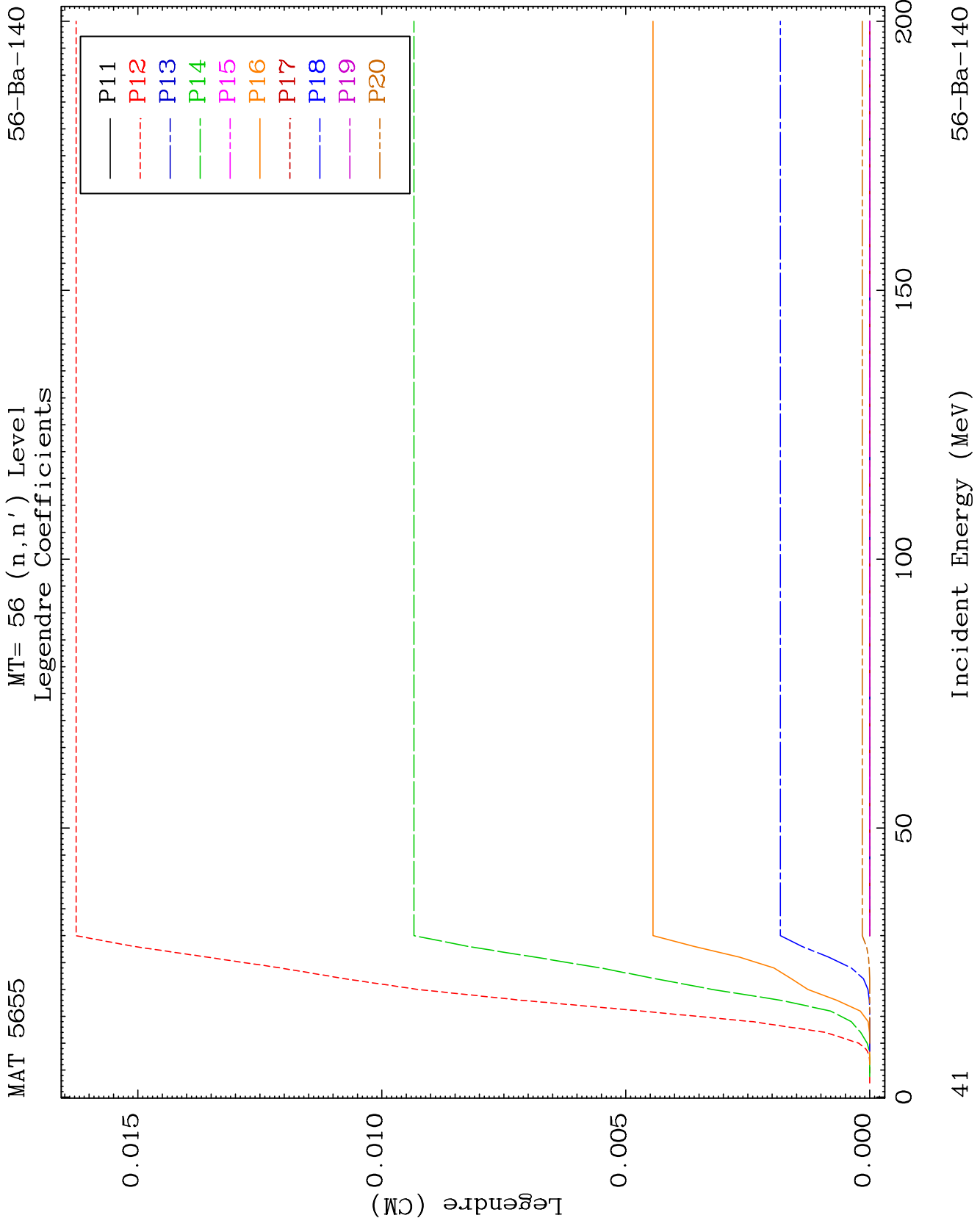
38

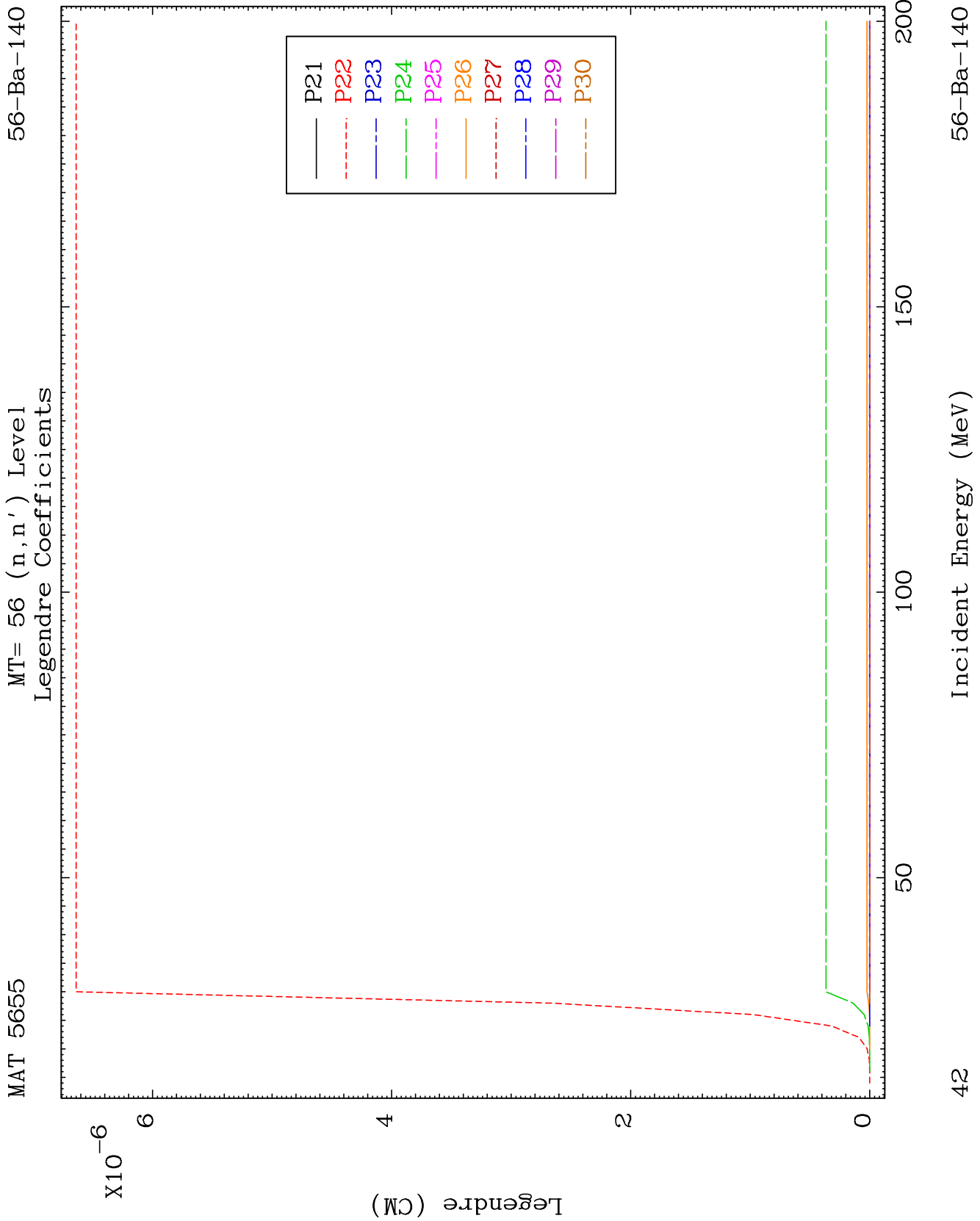
Incident Energy (MeV)

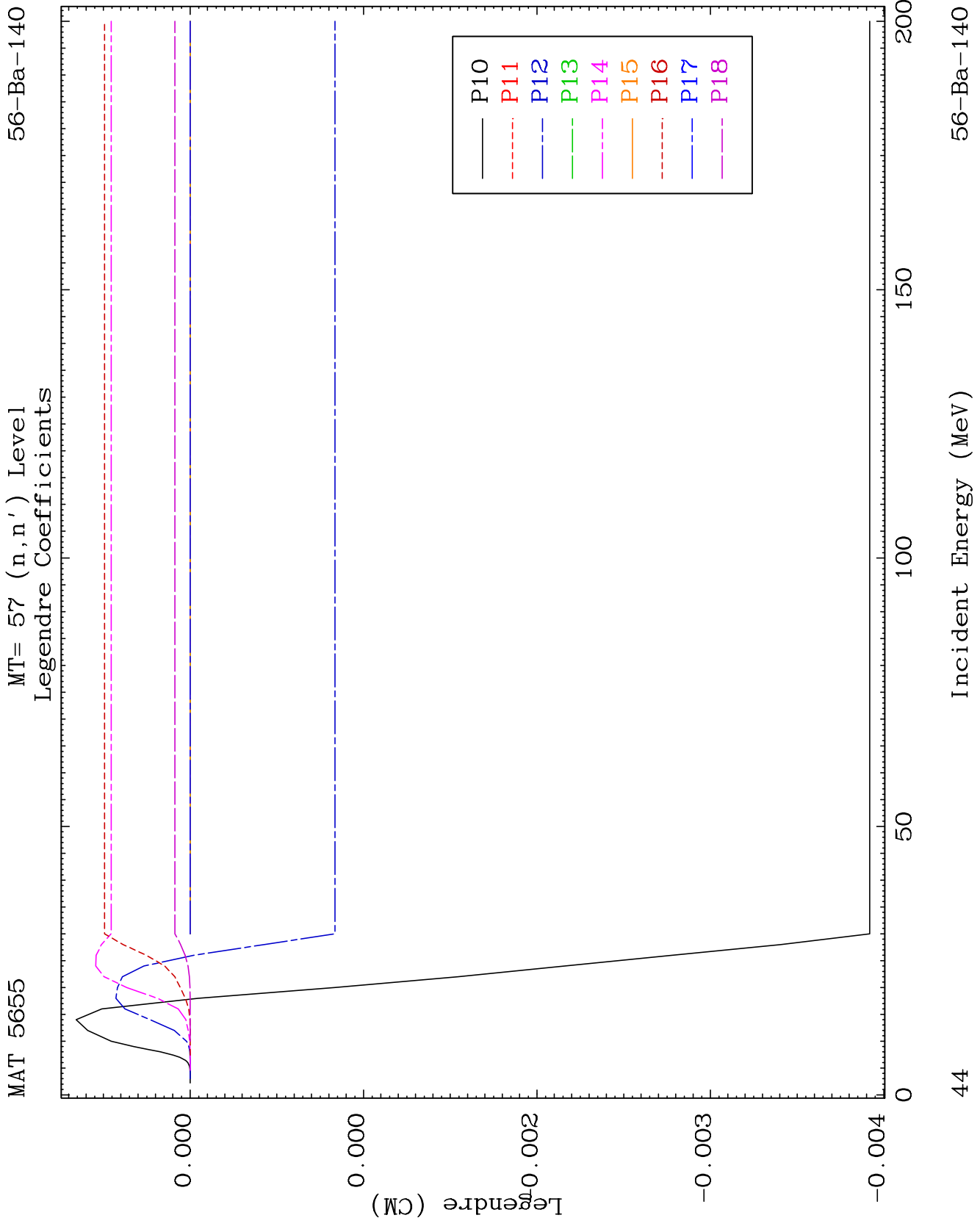
56-Ba-140

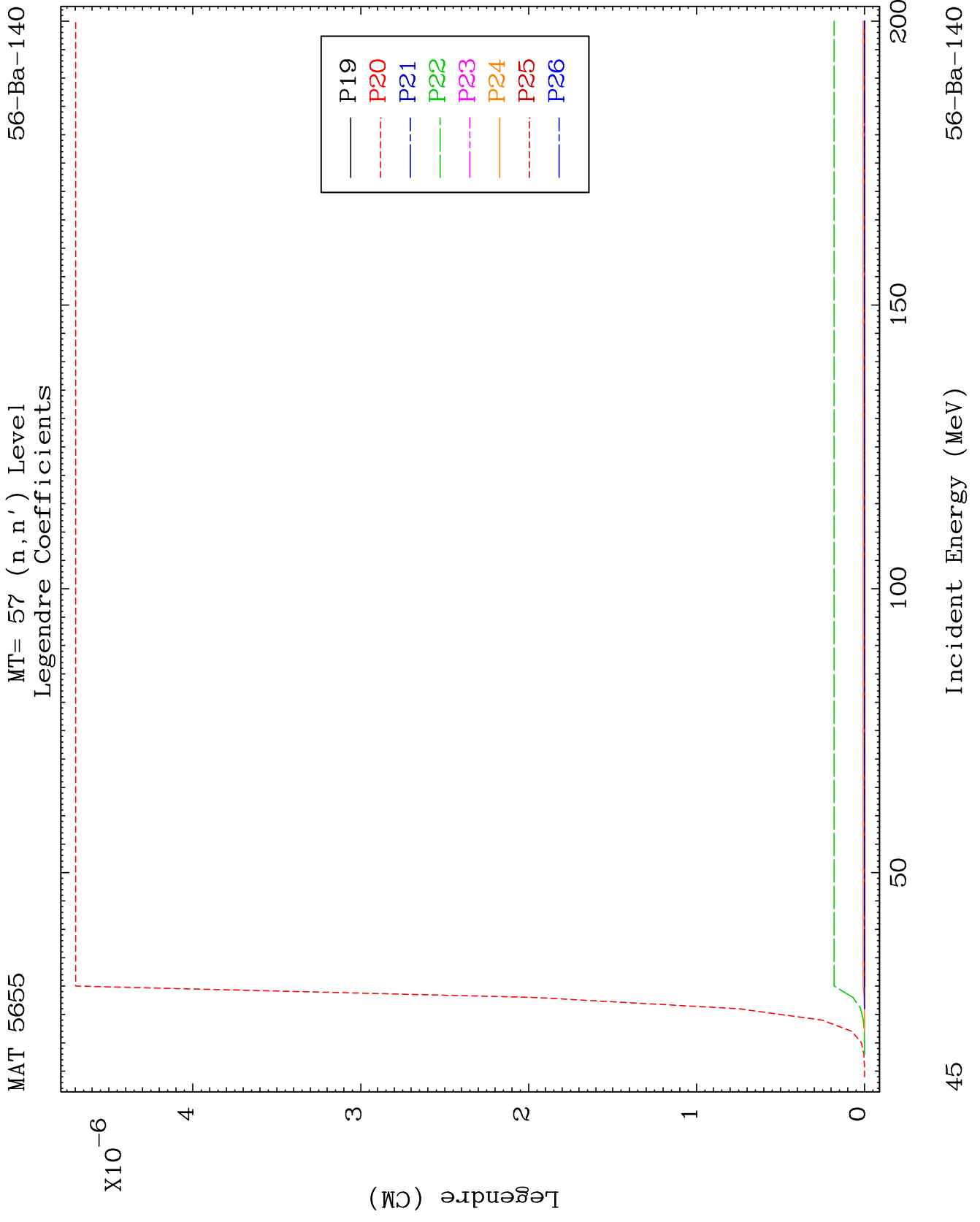


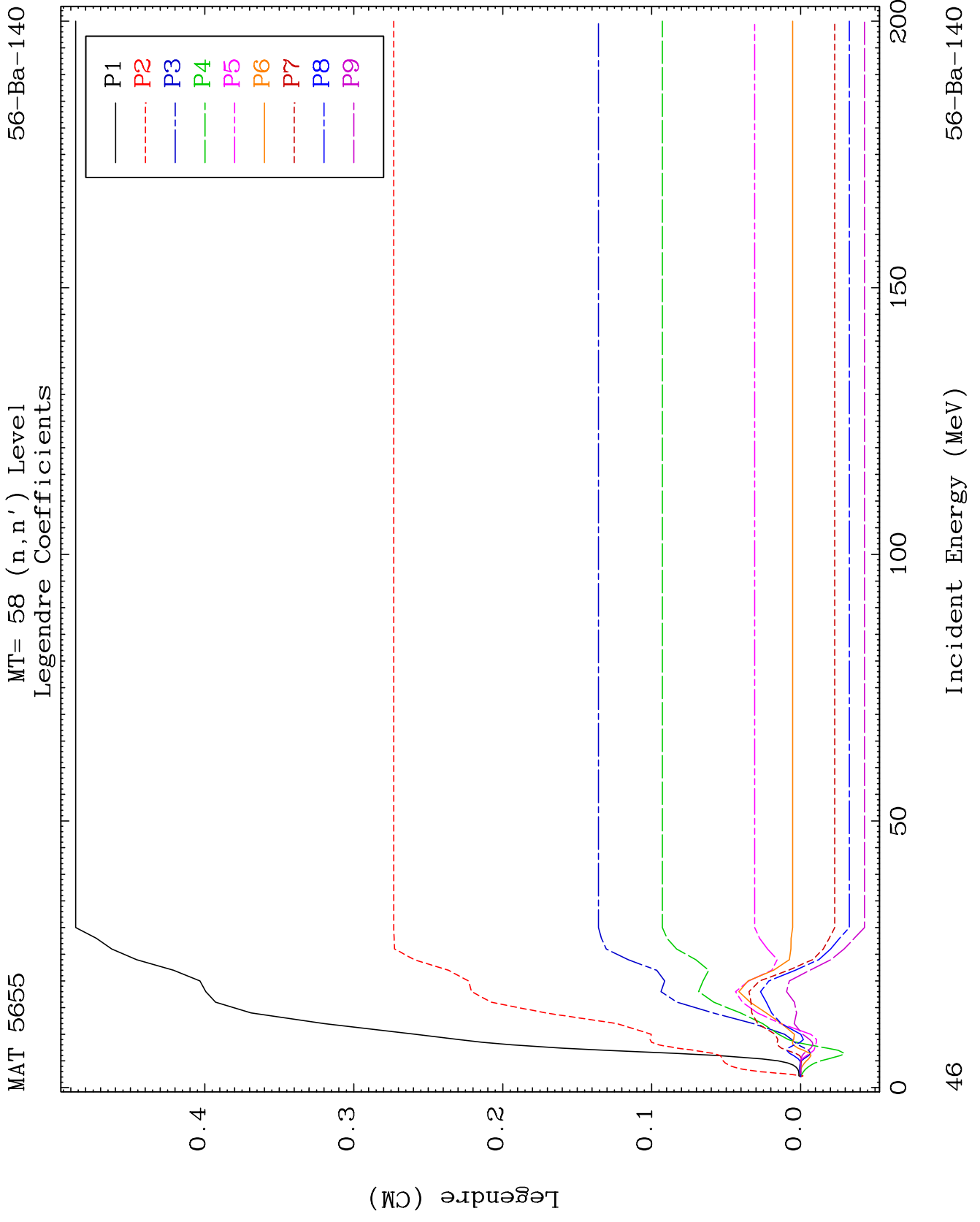








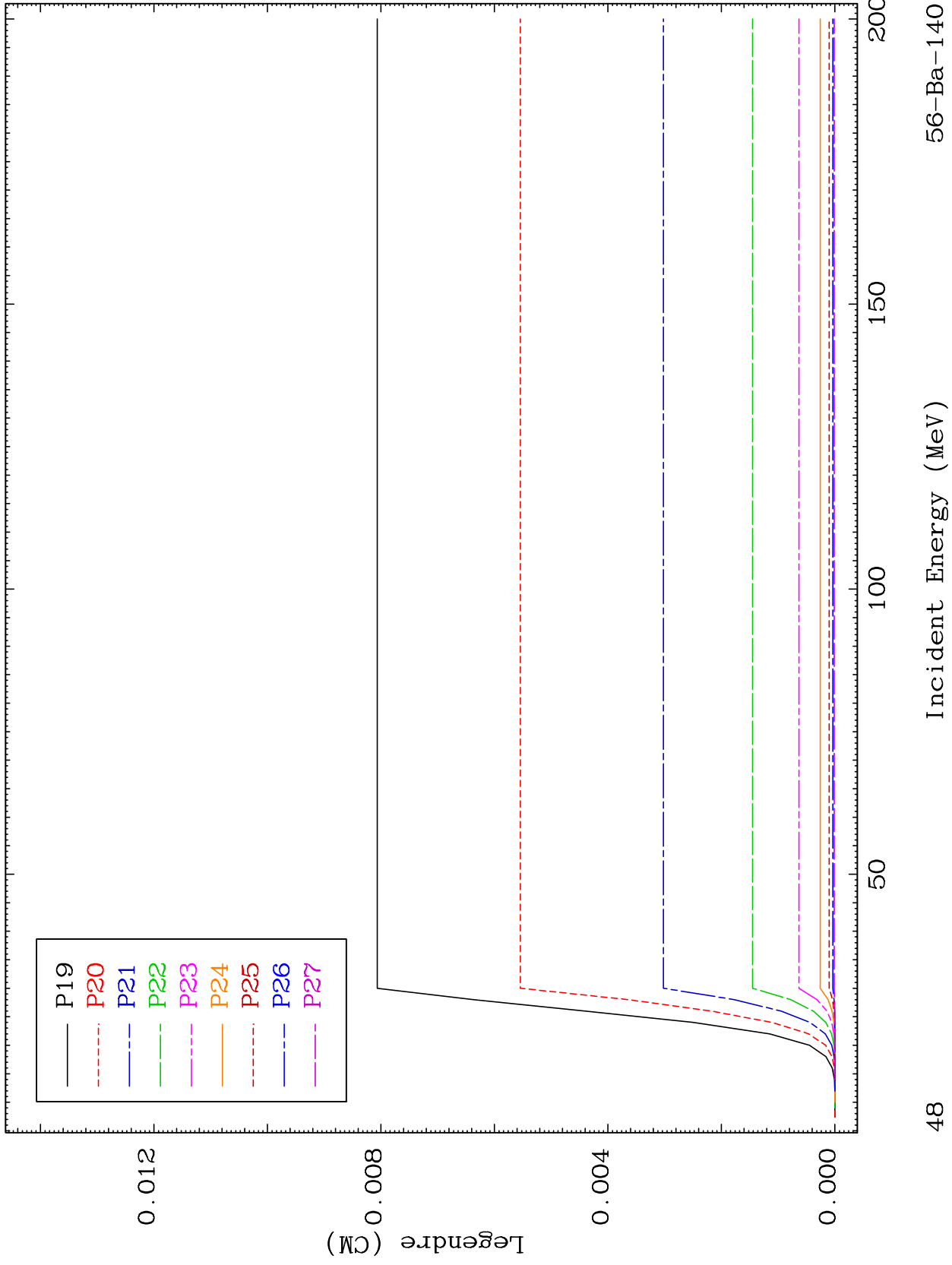




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MT= 58 (n,n') Level
Legendre Coefficients

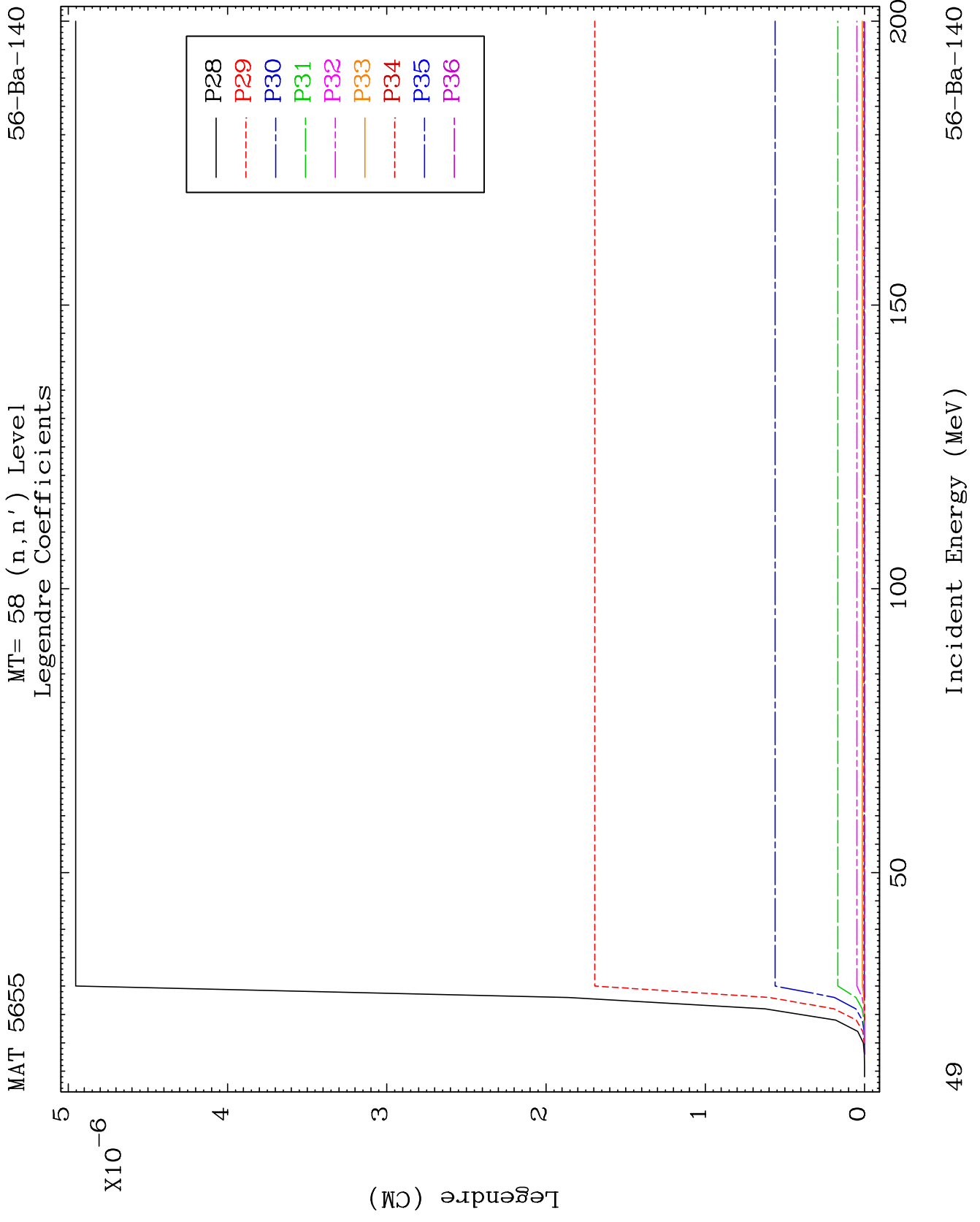
56-Ba-140

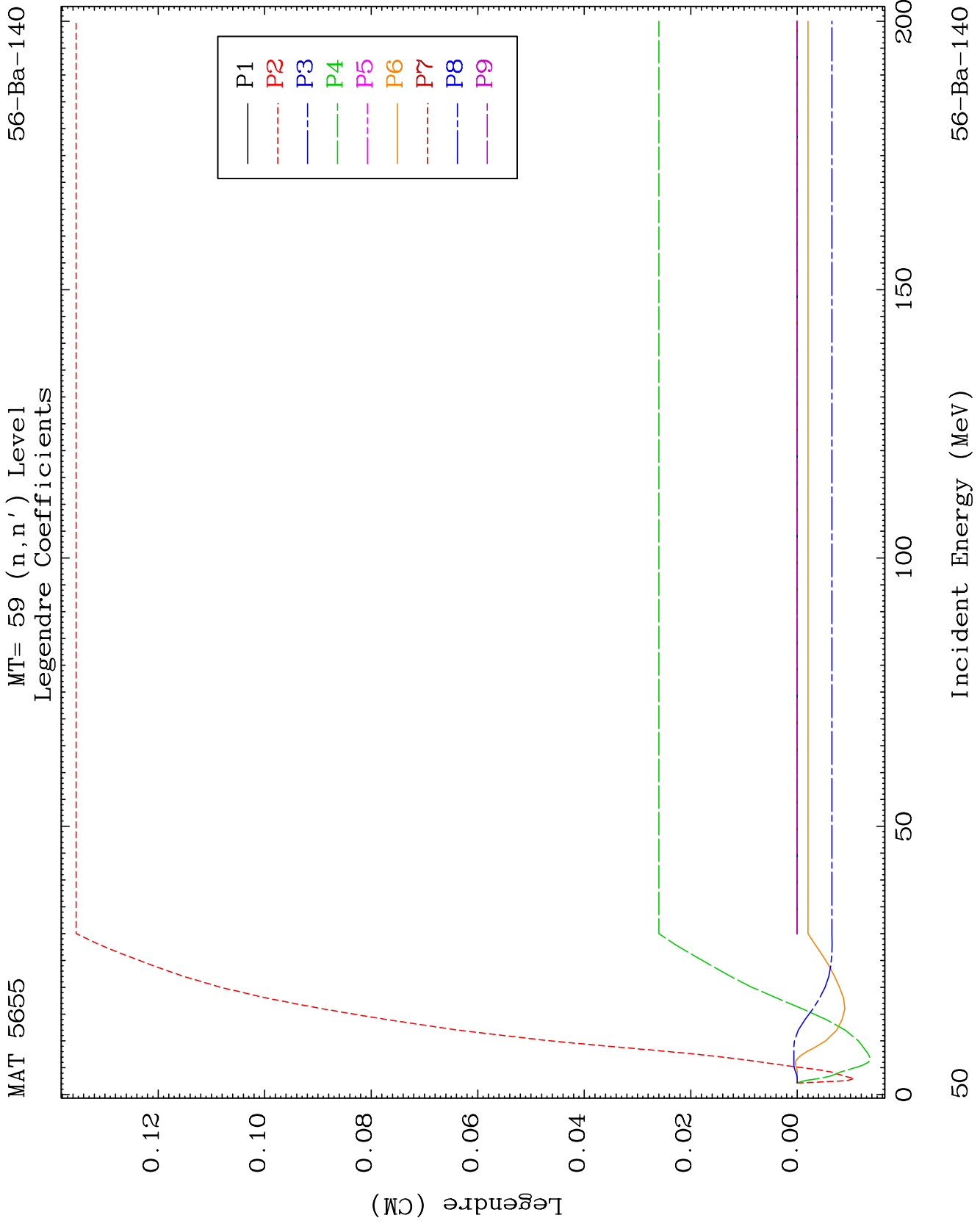


48

Incident Energy (MeV)

56-Ba-140

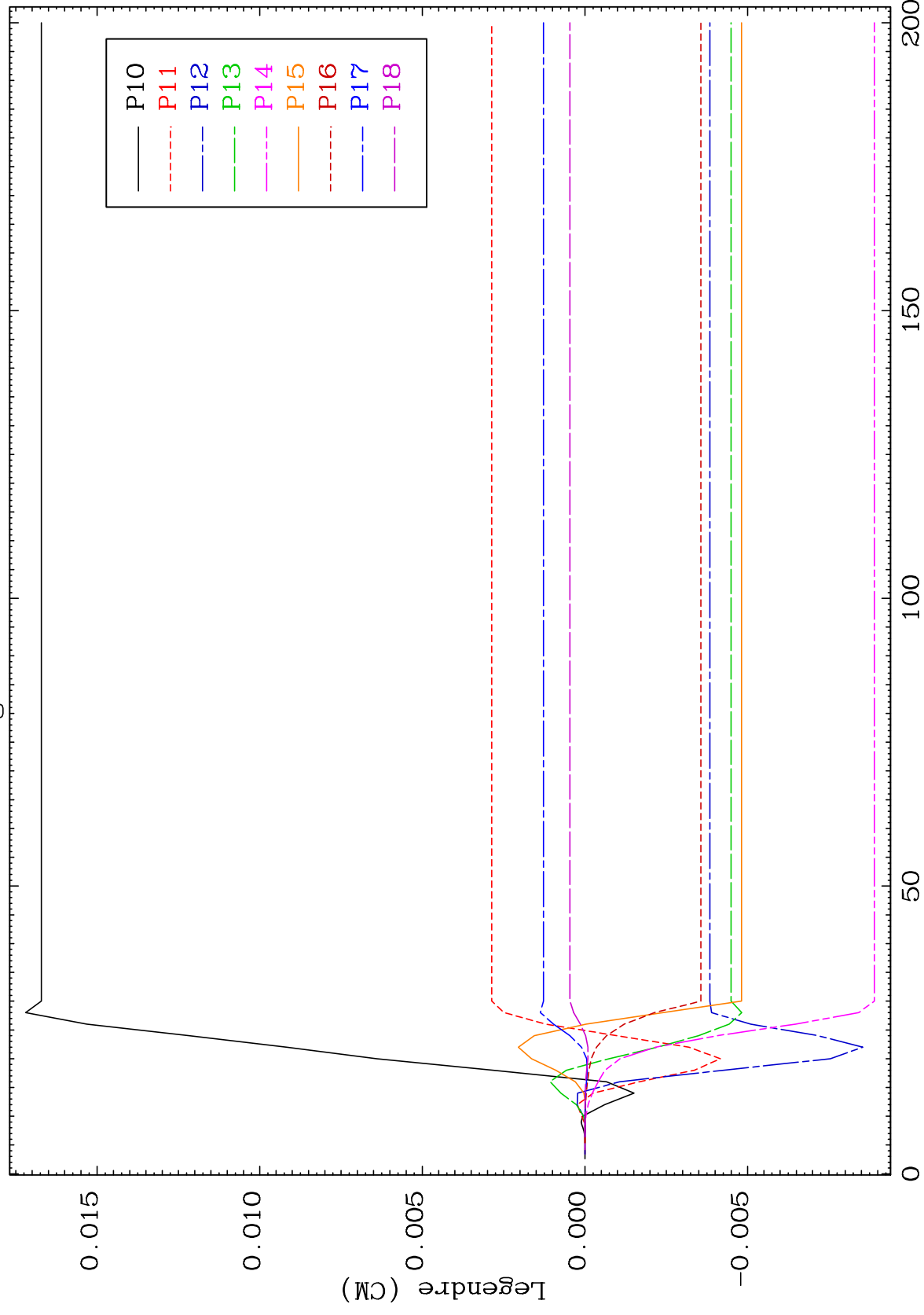




MAT 5655

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

56-Ba-140



54

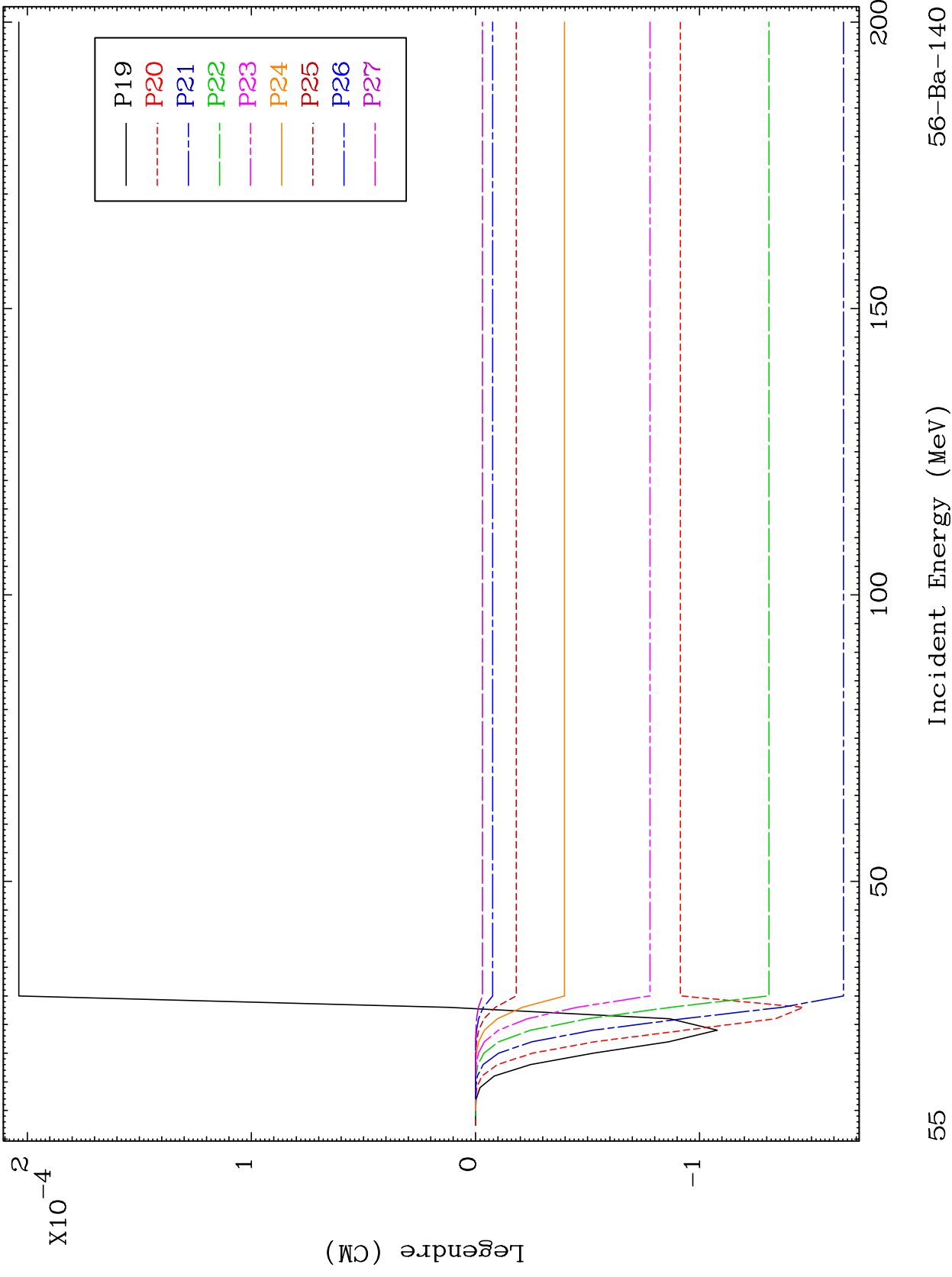
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

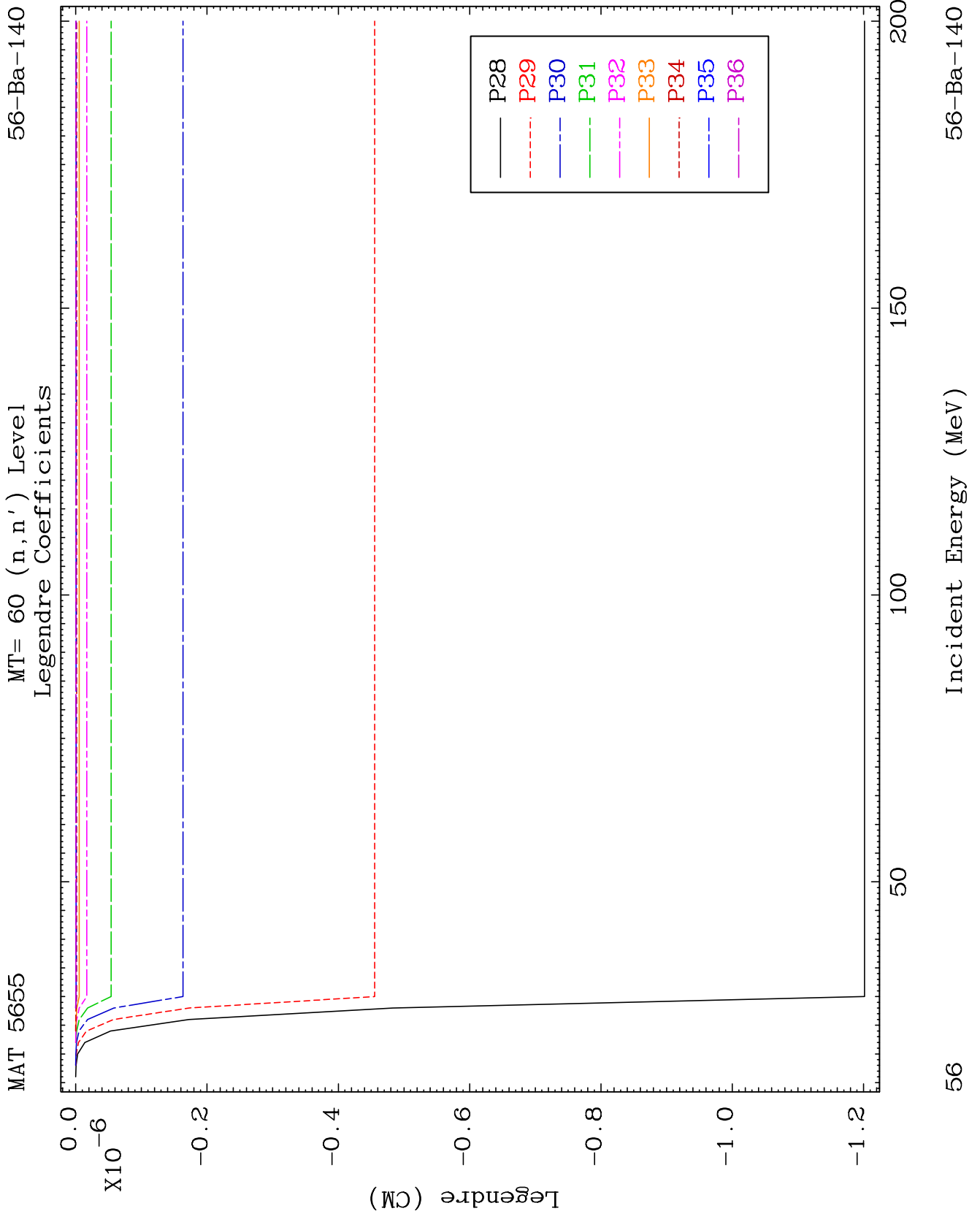
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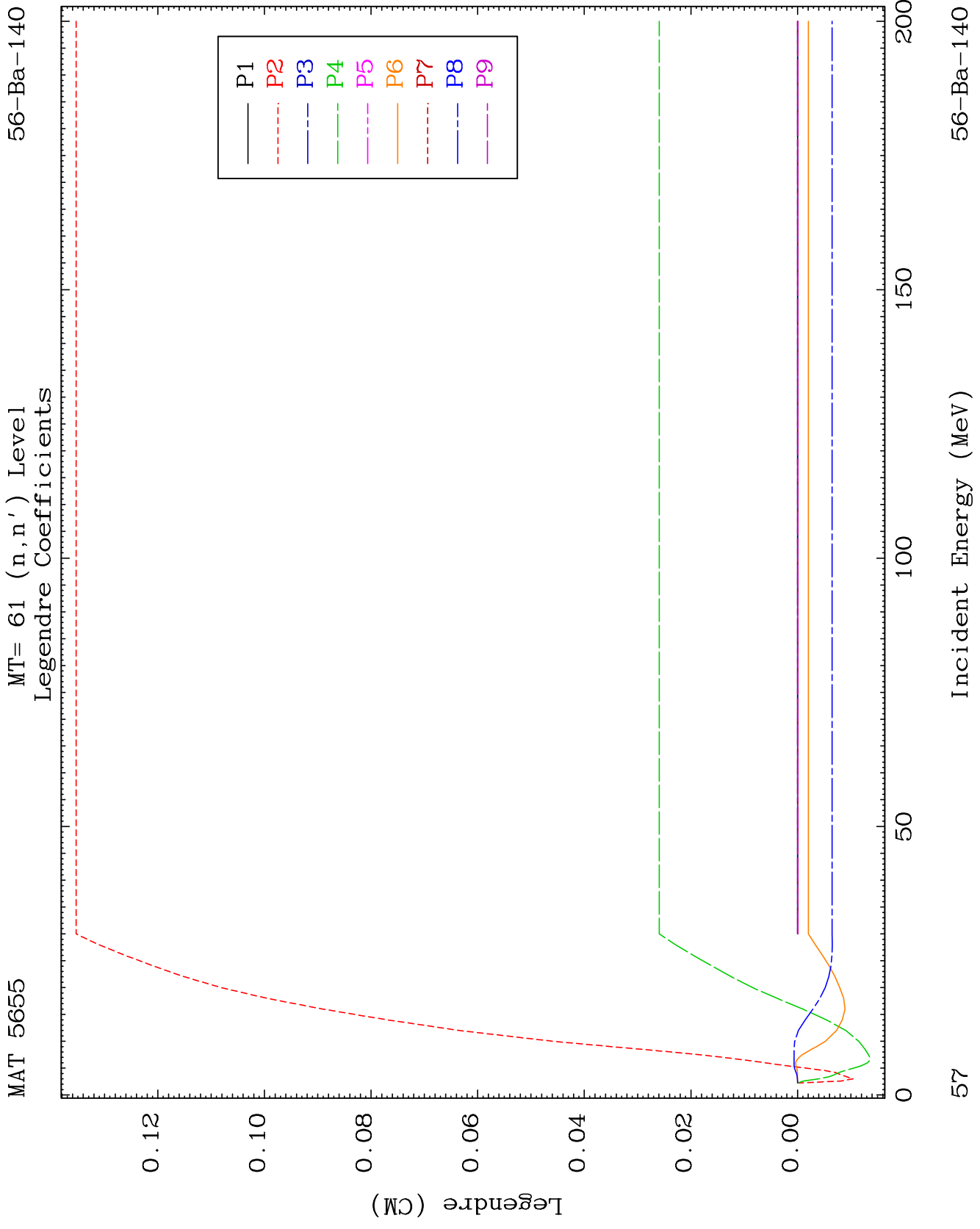


55

Incident Energy (MeV)

56-Ba-140



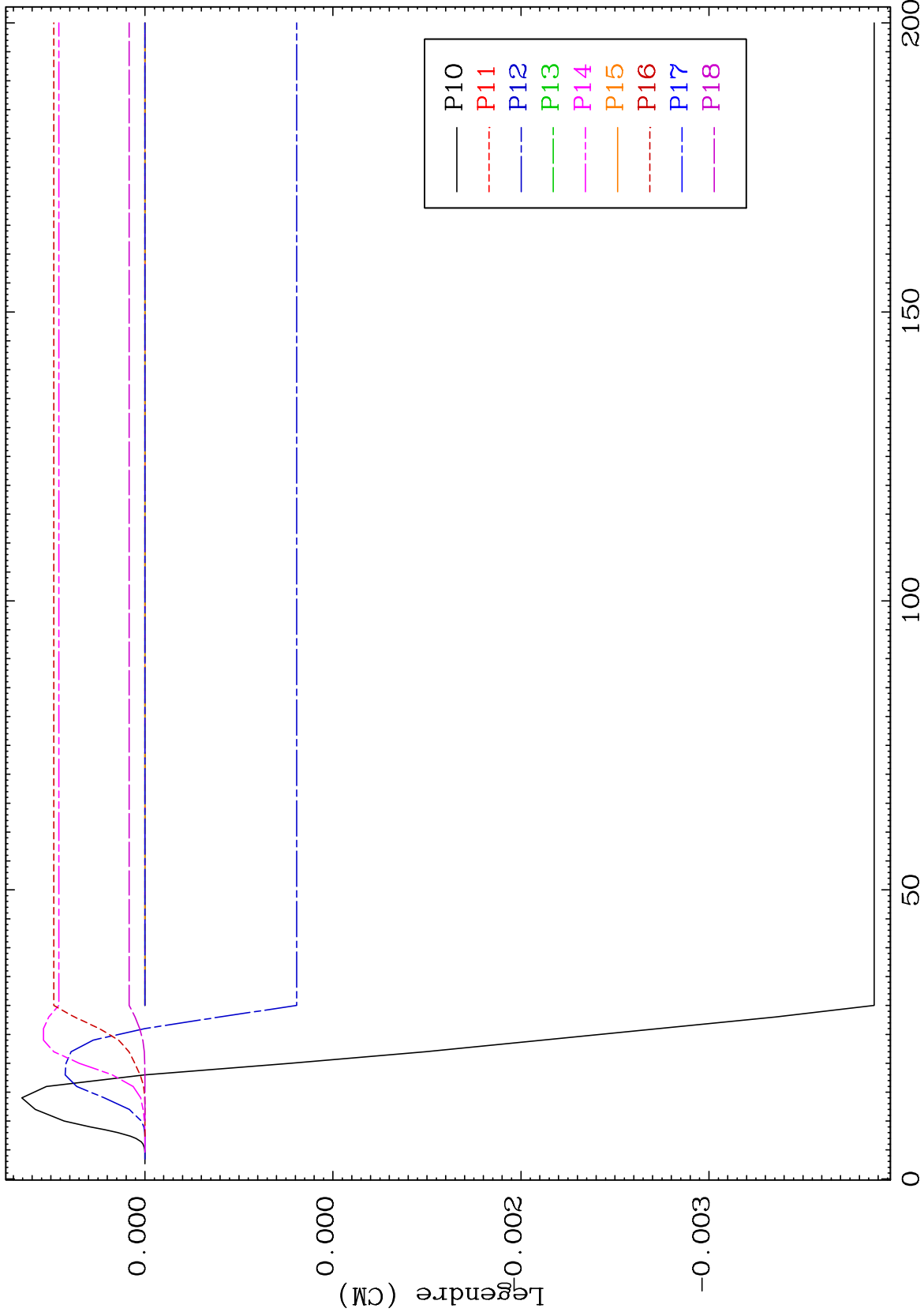


MAT 5655

MT= 61 (n,n') Level

56-Ba-140

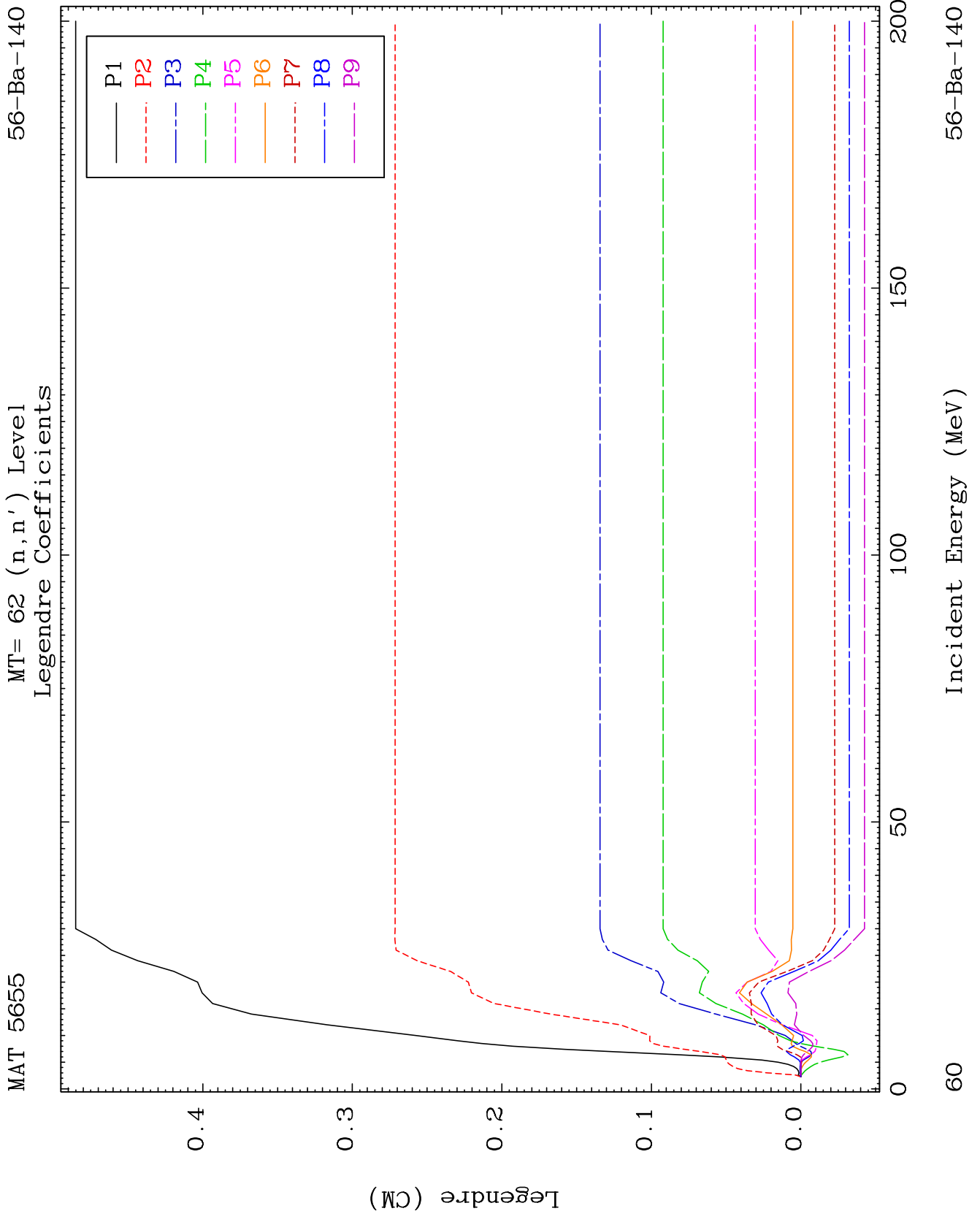
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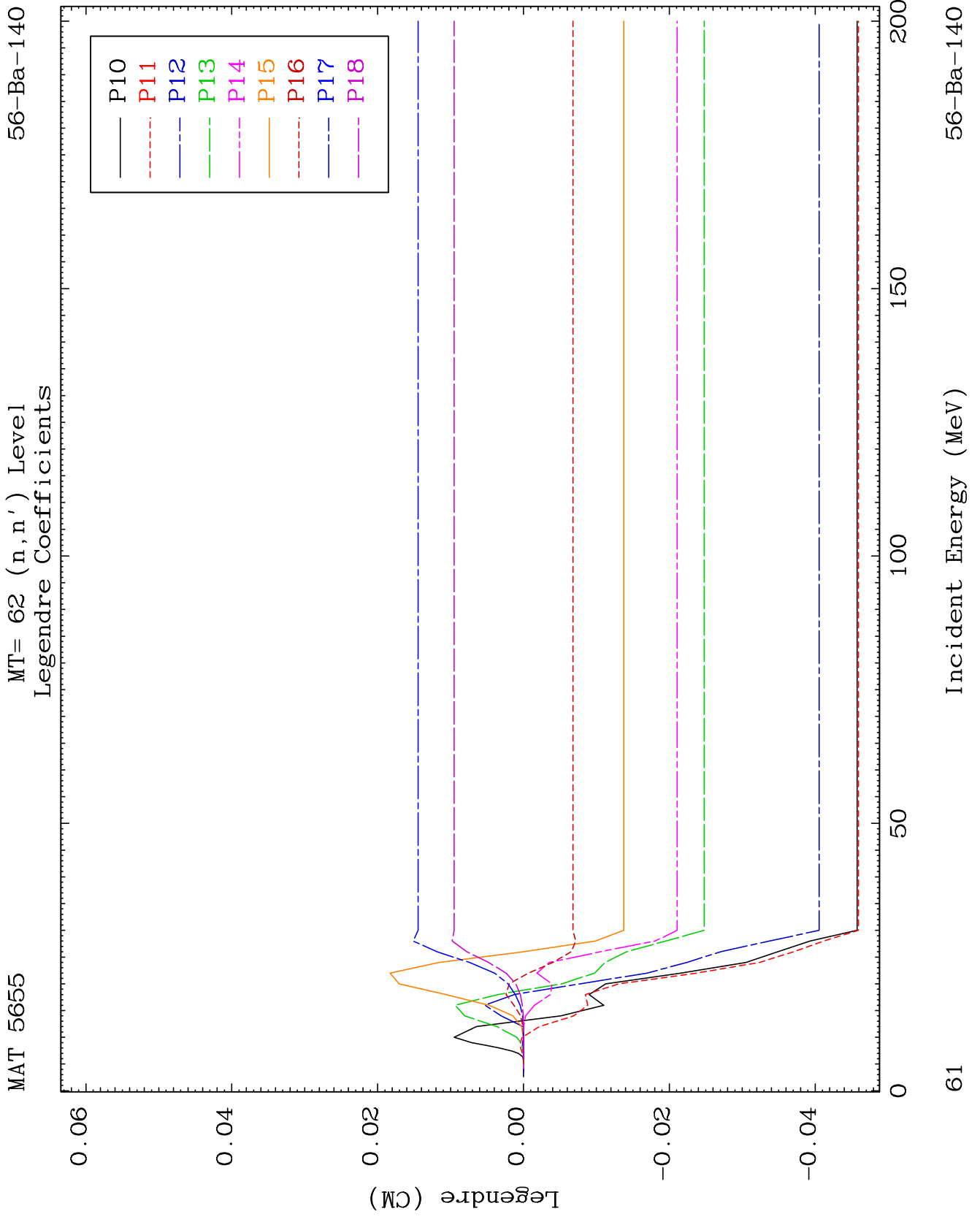


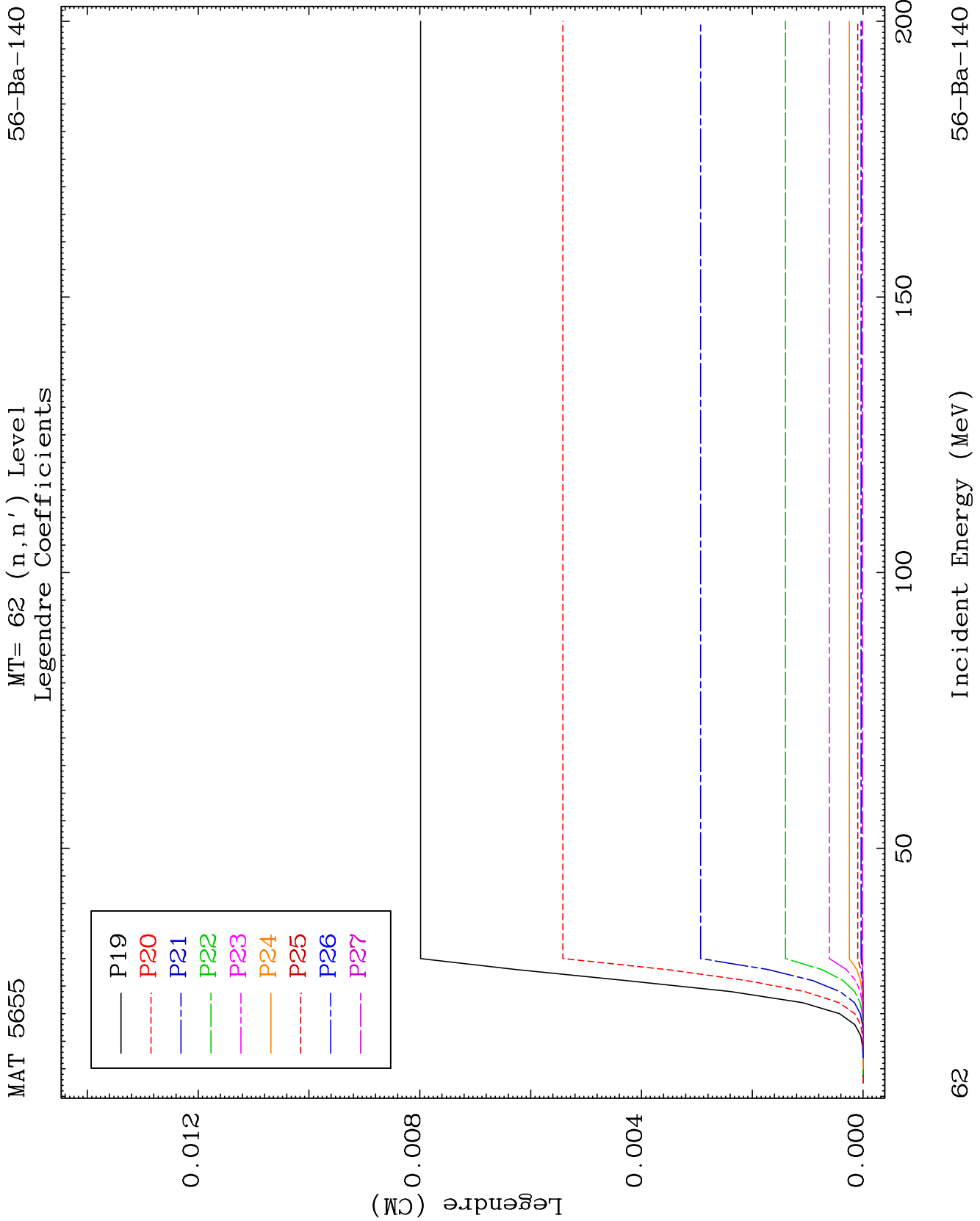
58

Incident Energy (MeV)

56-Ba-140



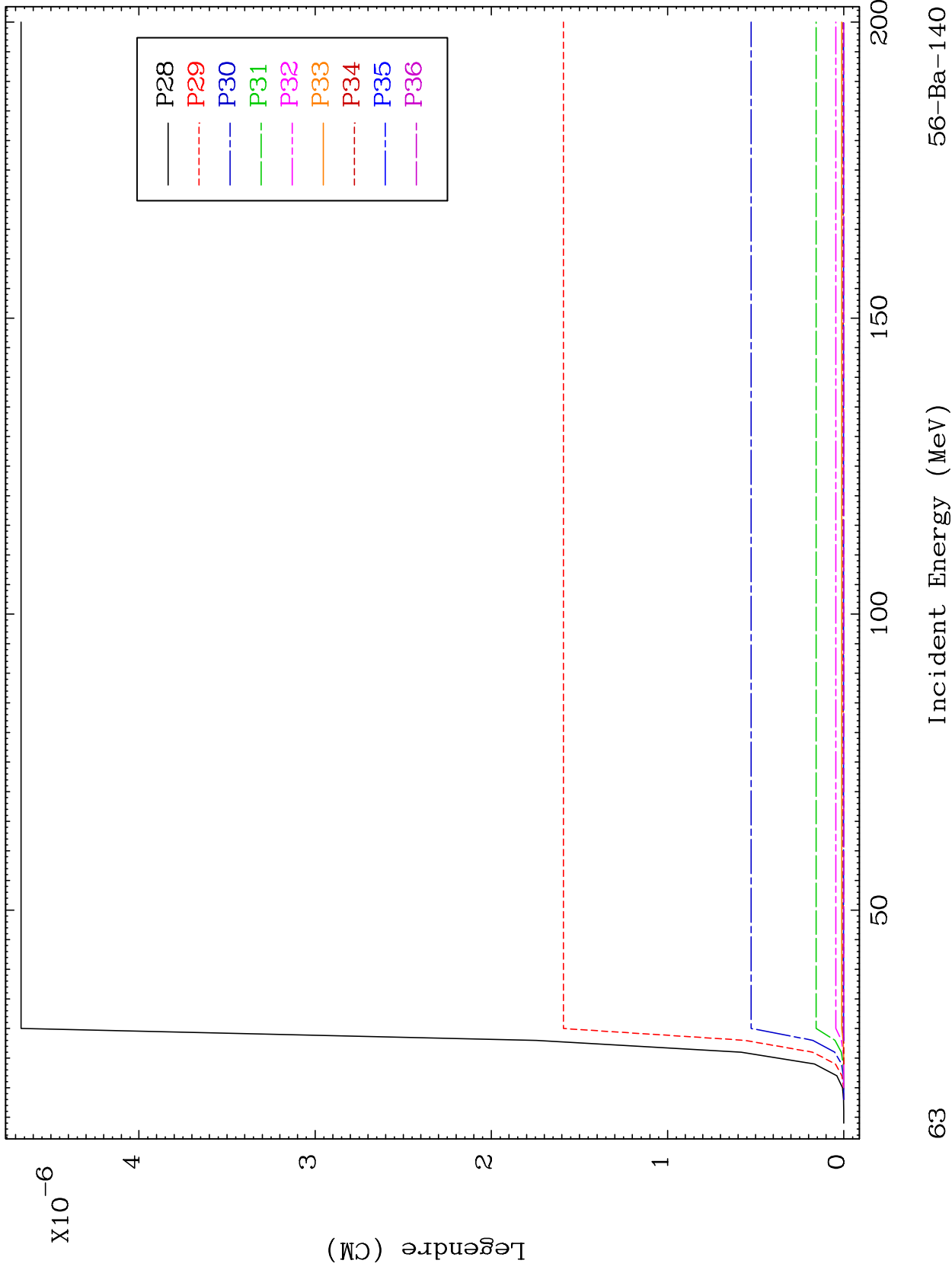


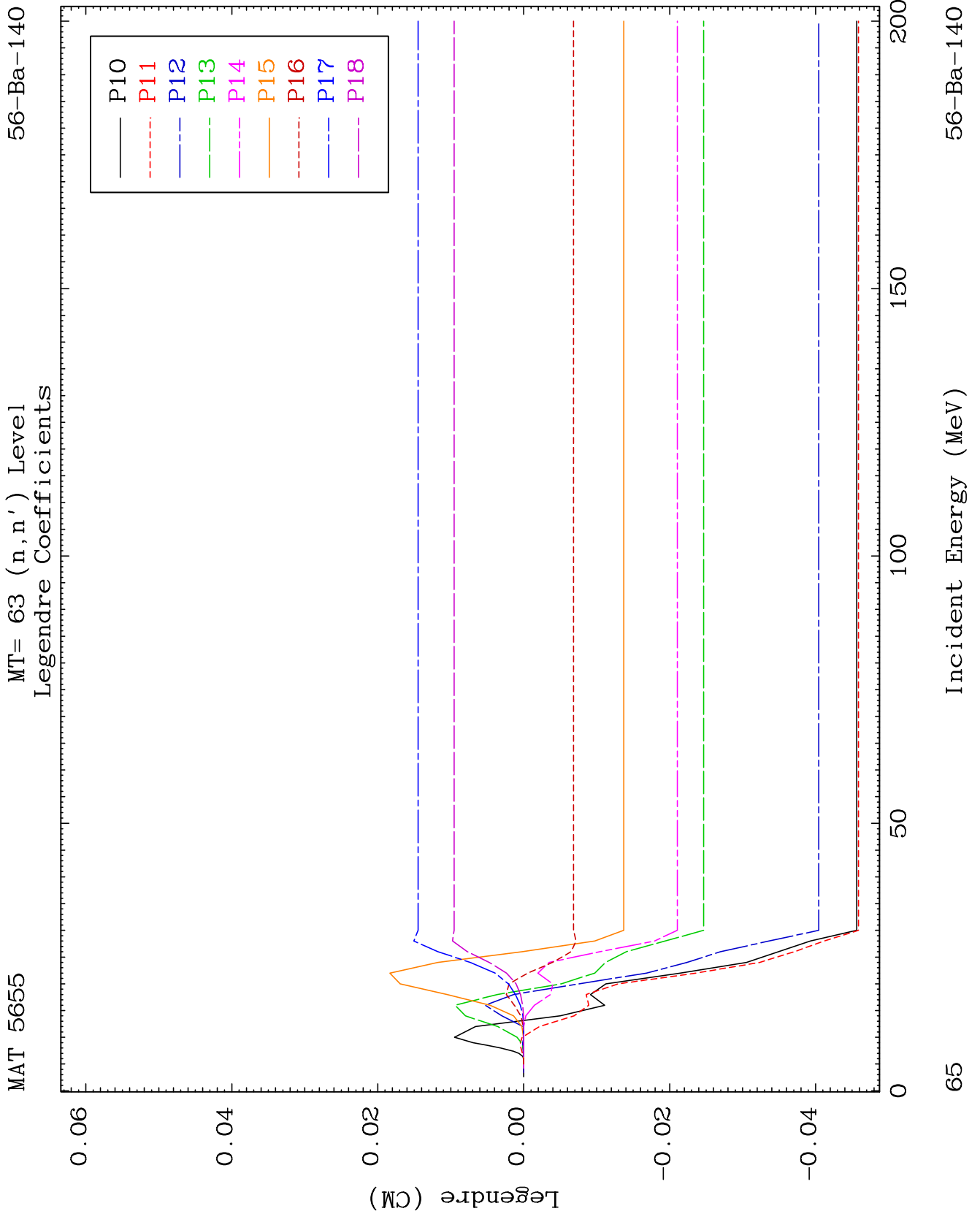


MAT 5655

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

56-Ba-140

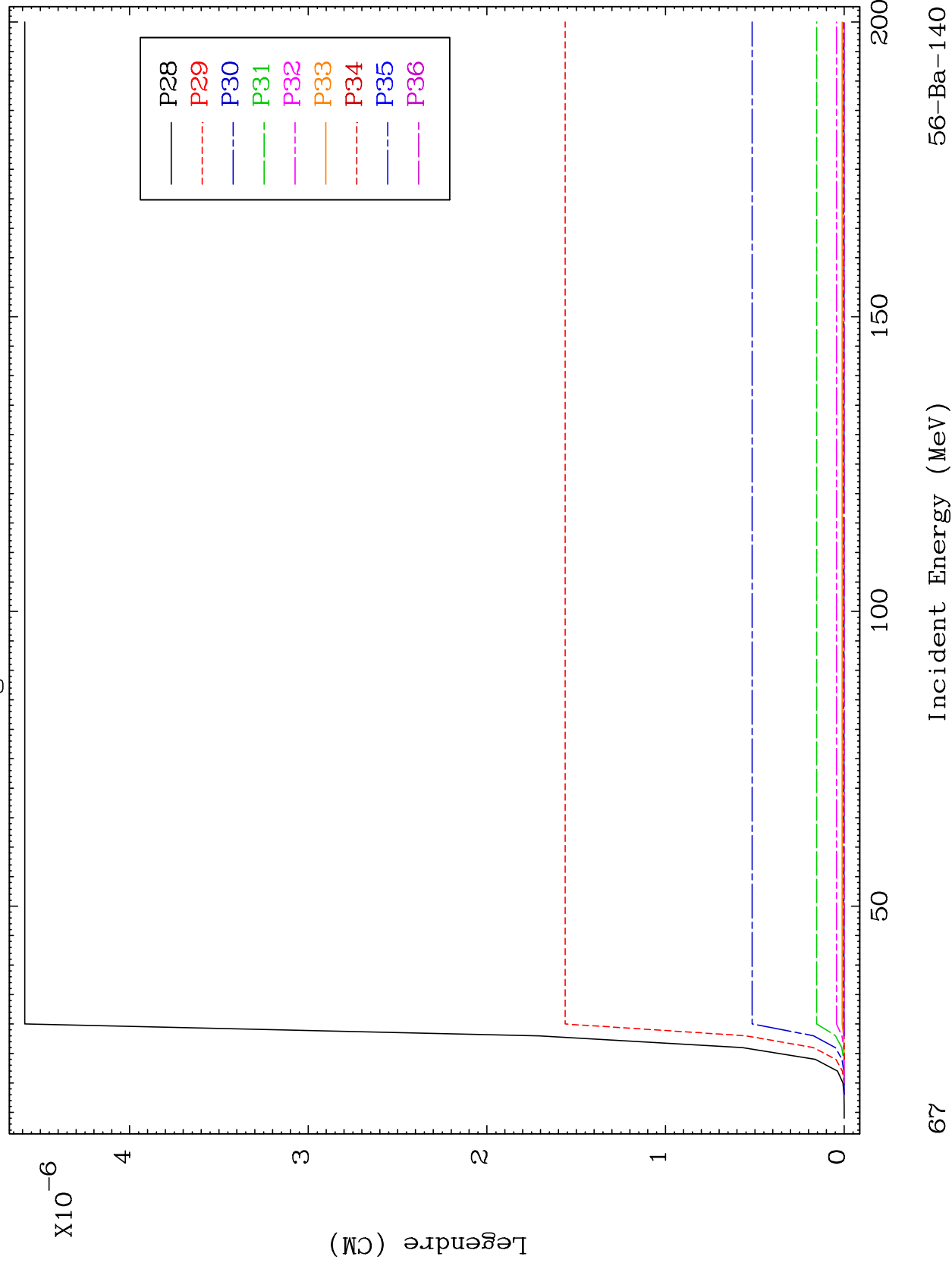




MAT 5655

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

56-Ba-140

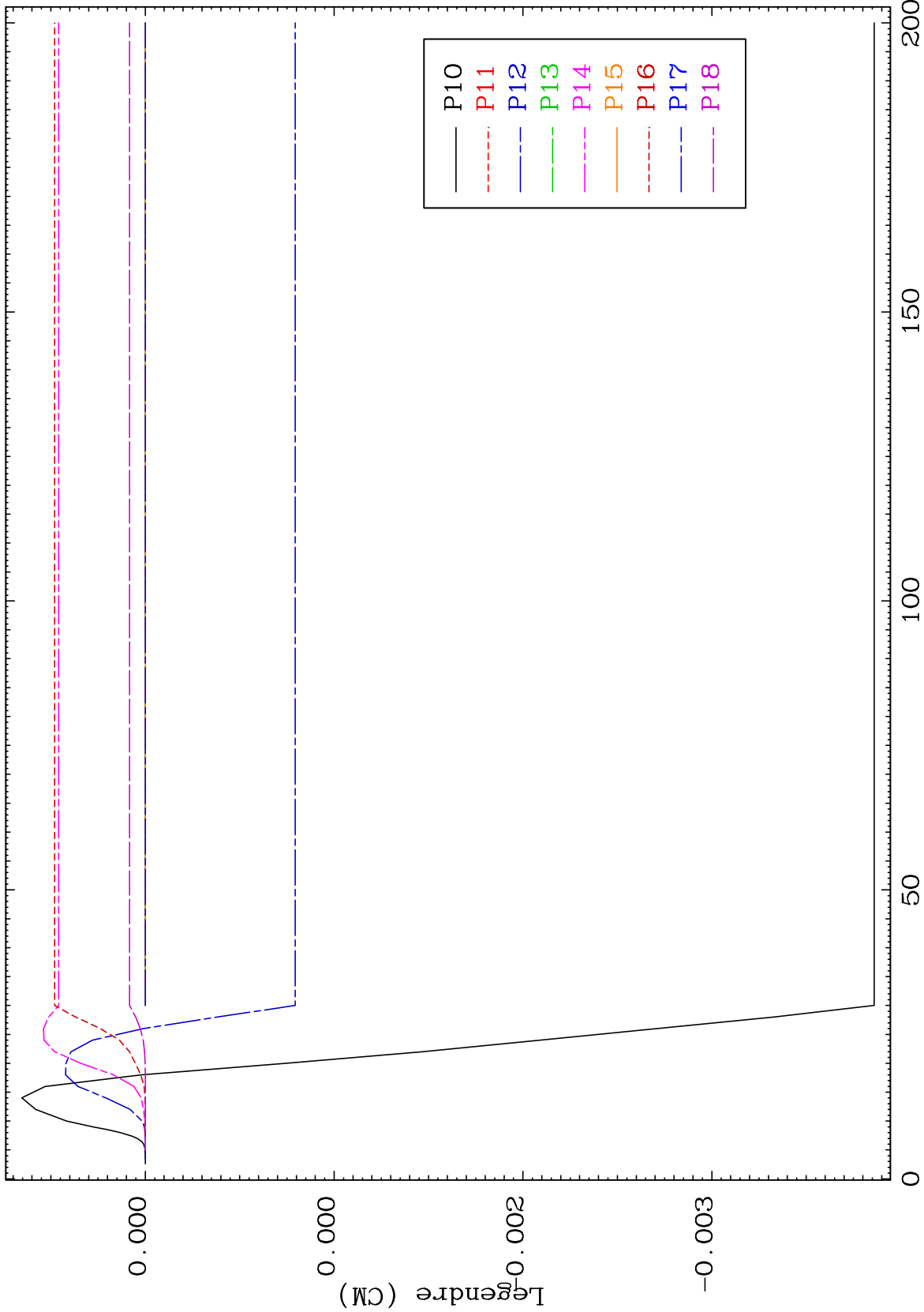


MAT 5655

MT= 64 (n,n') Level

56-Ba-140

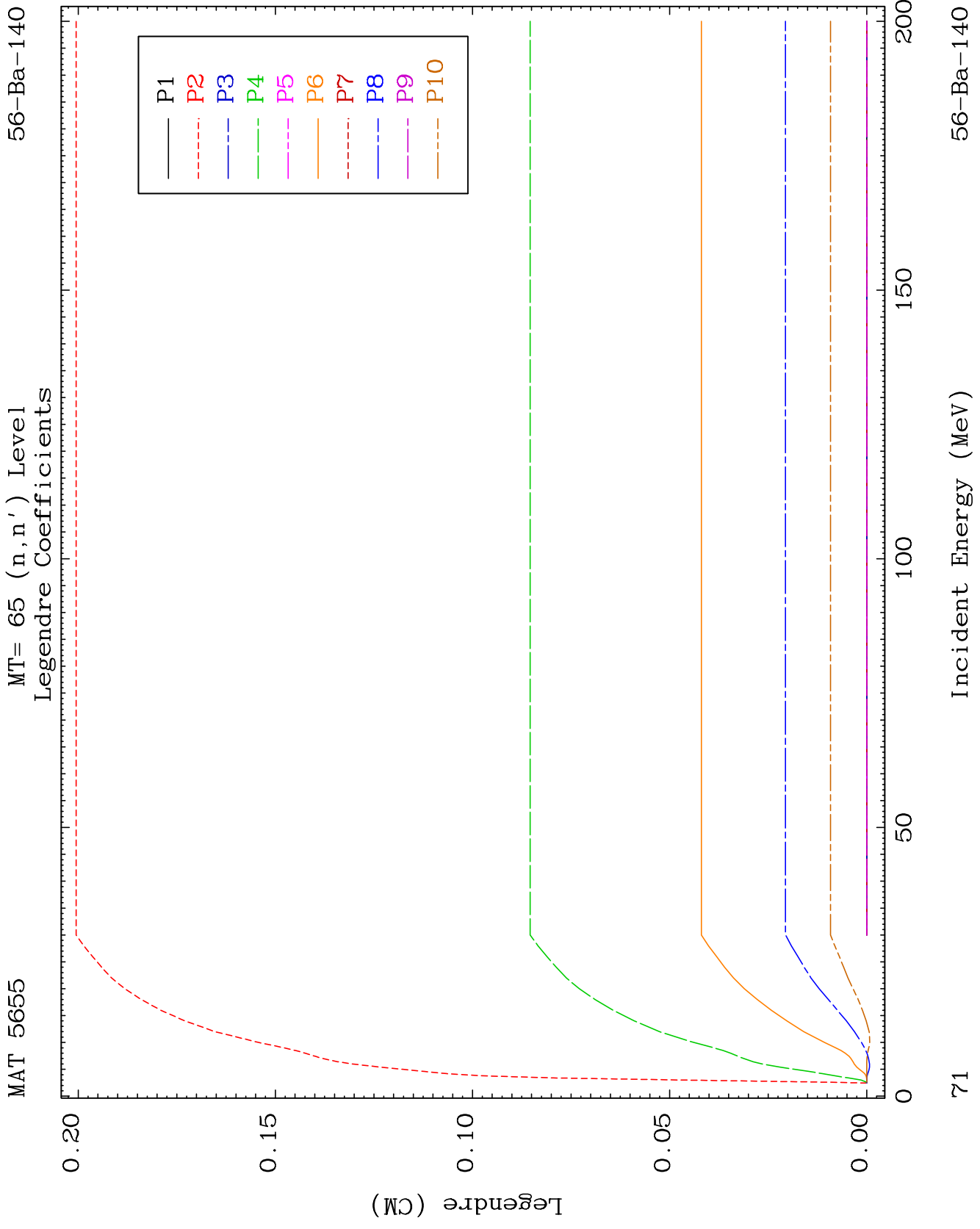
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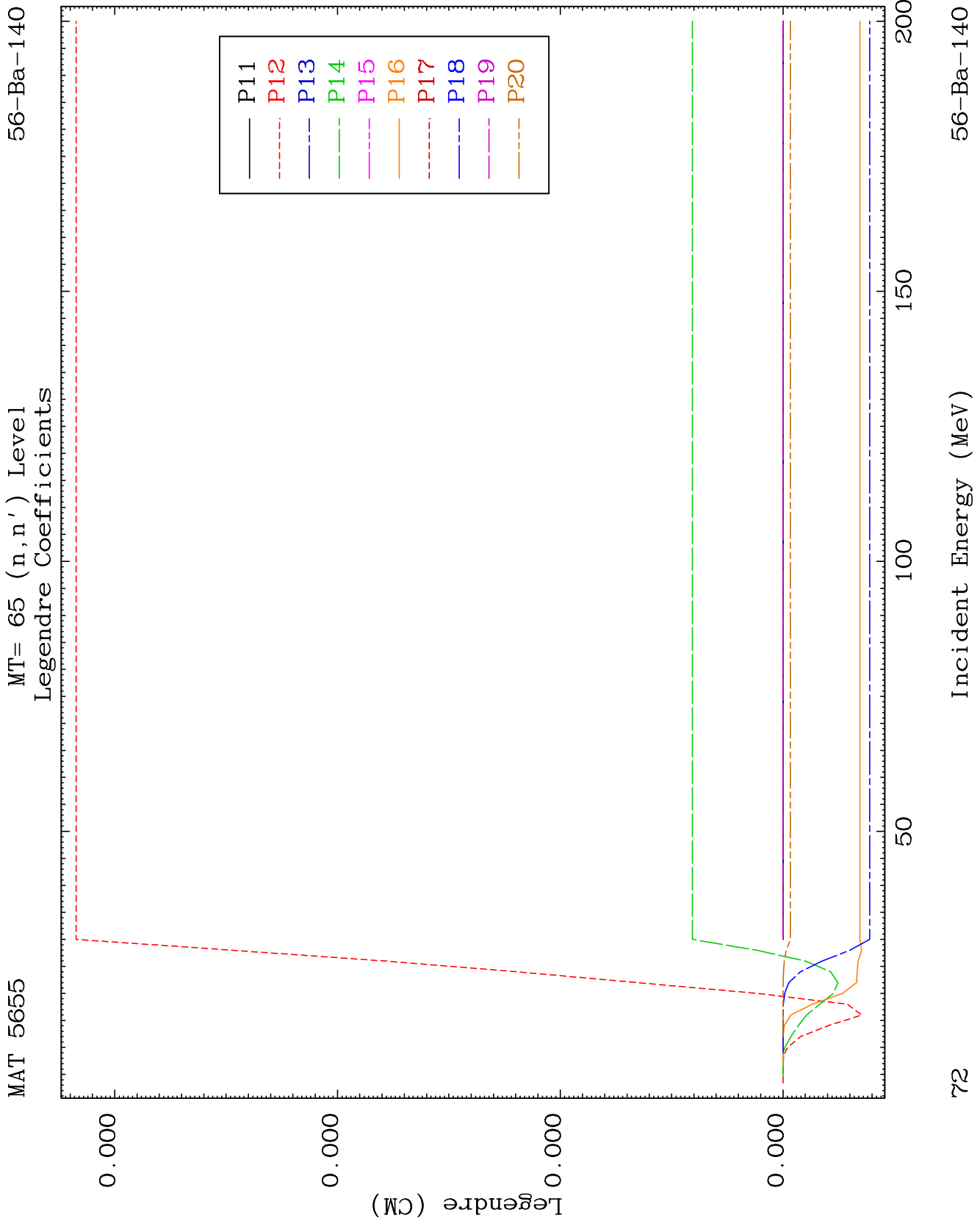


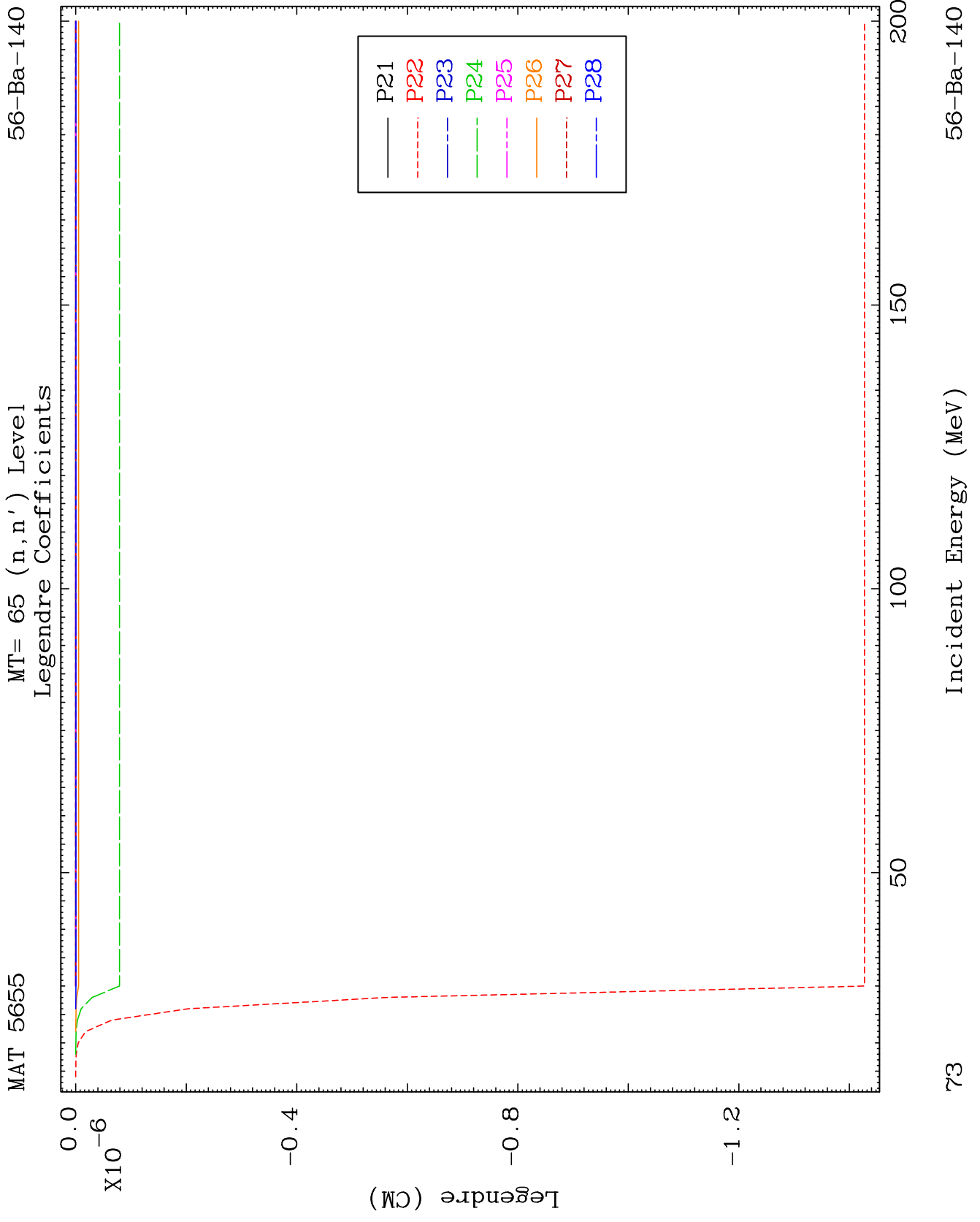
69

Incident Energy (MeV)

56-Ba-140



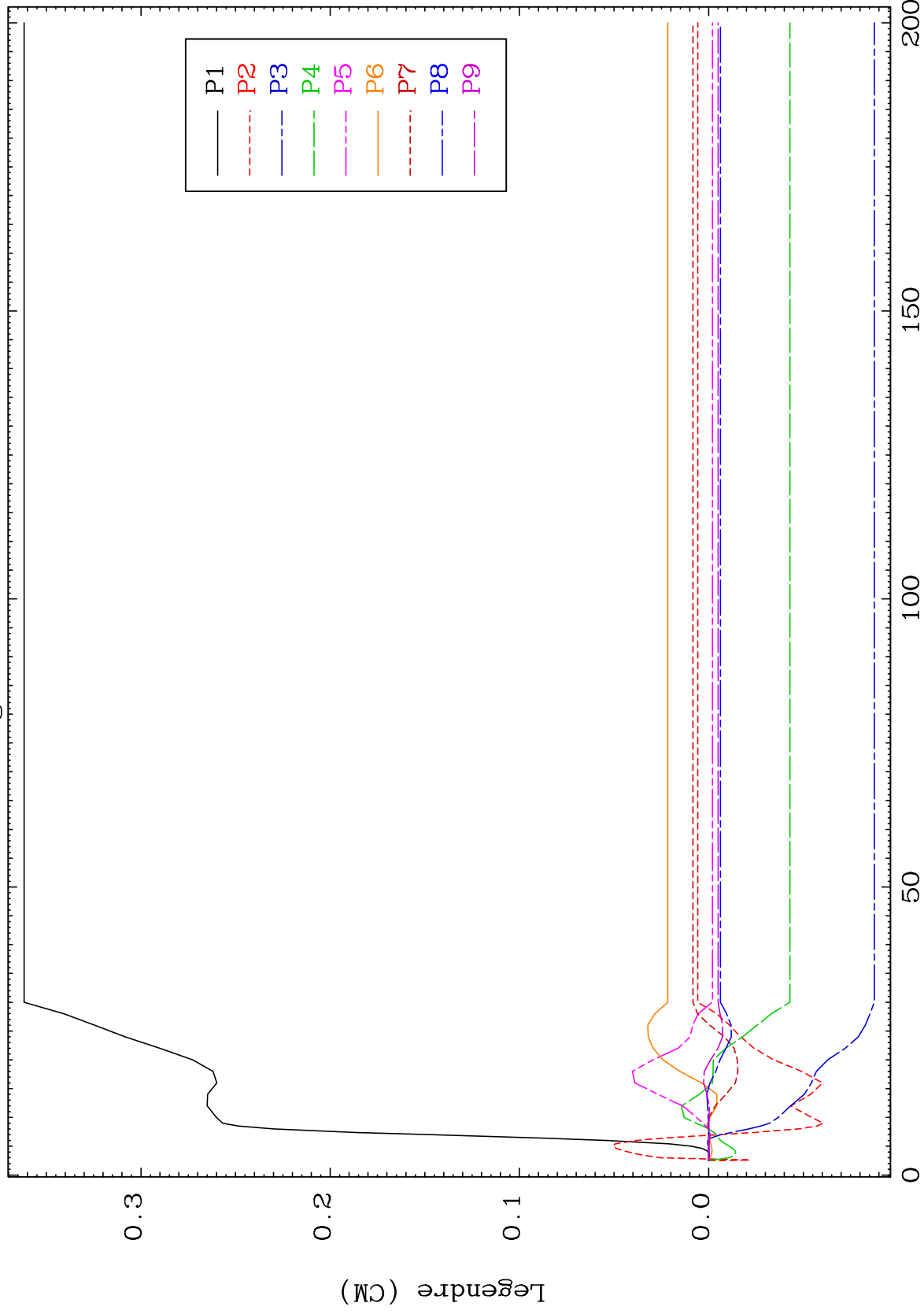




MAT 5655

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

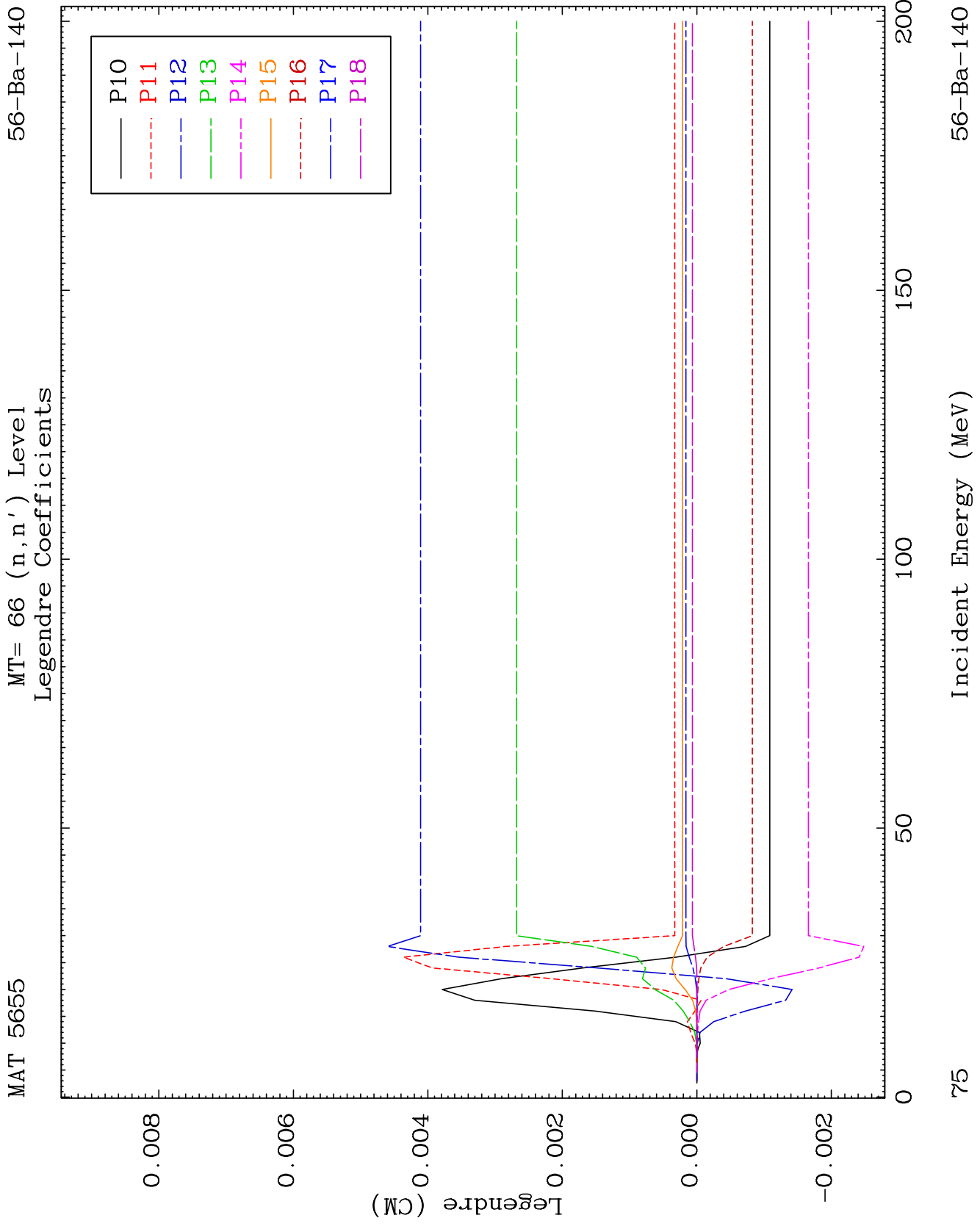
56-Ba-140



74

Incident Energy (MeV)

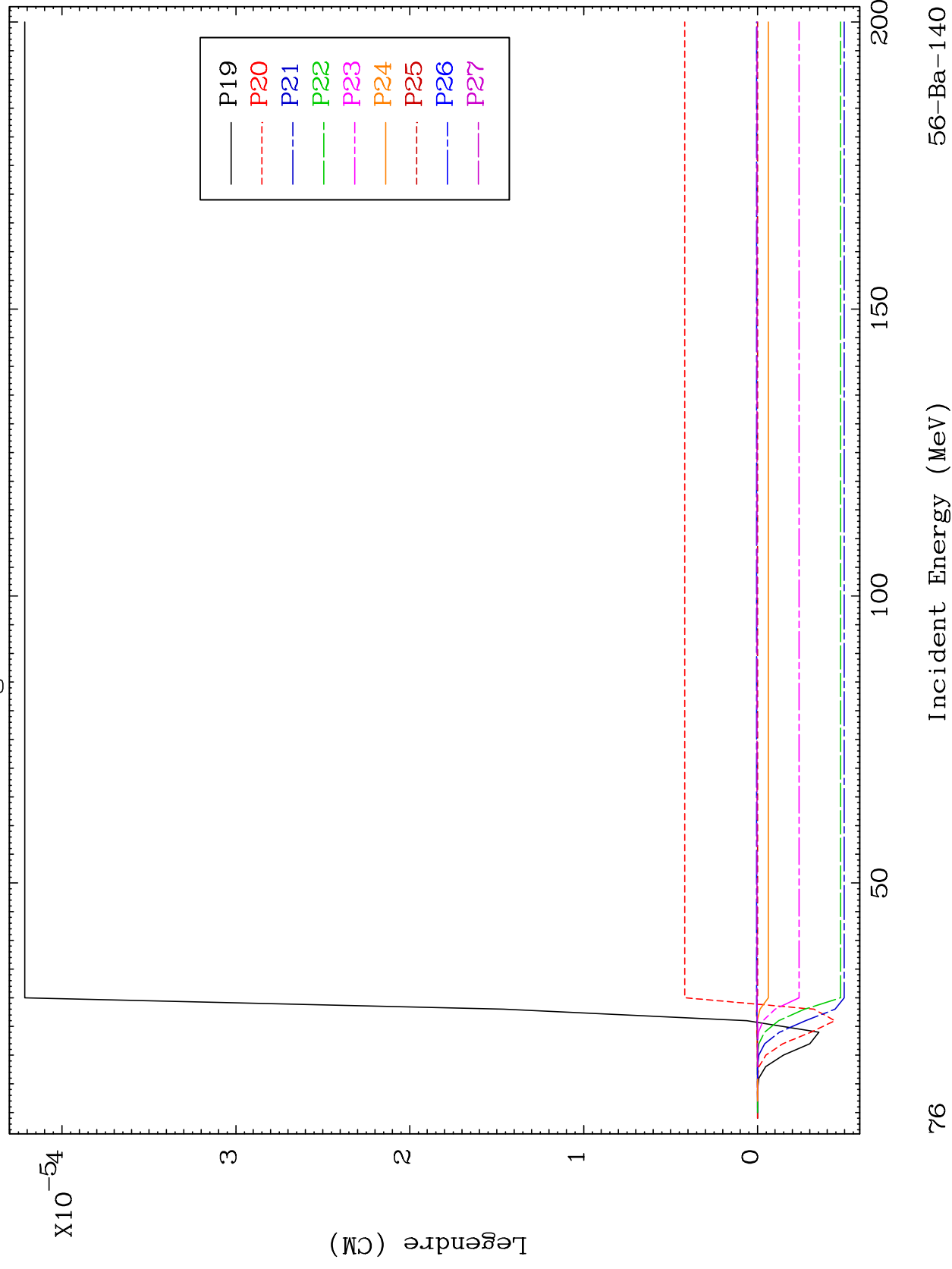
56-Ba-140



MAT 5655

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

56-Ba-140



76

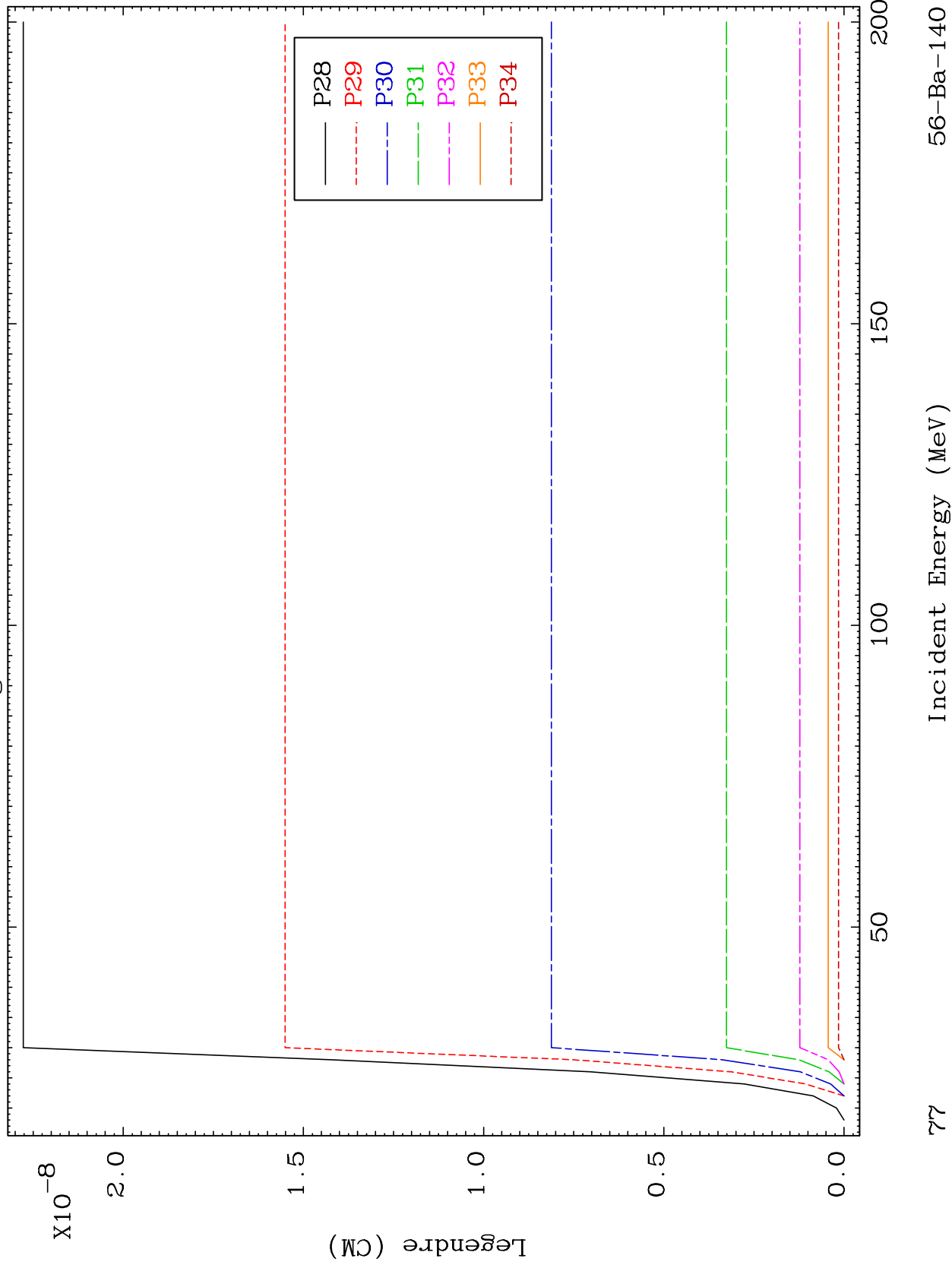
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

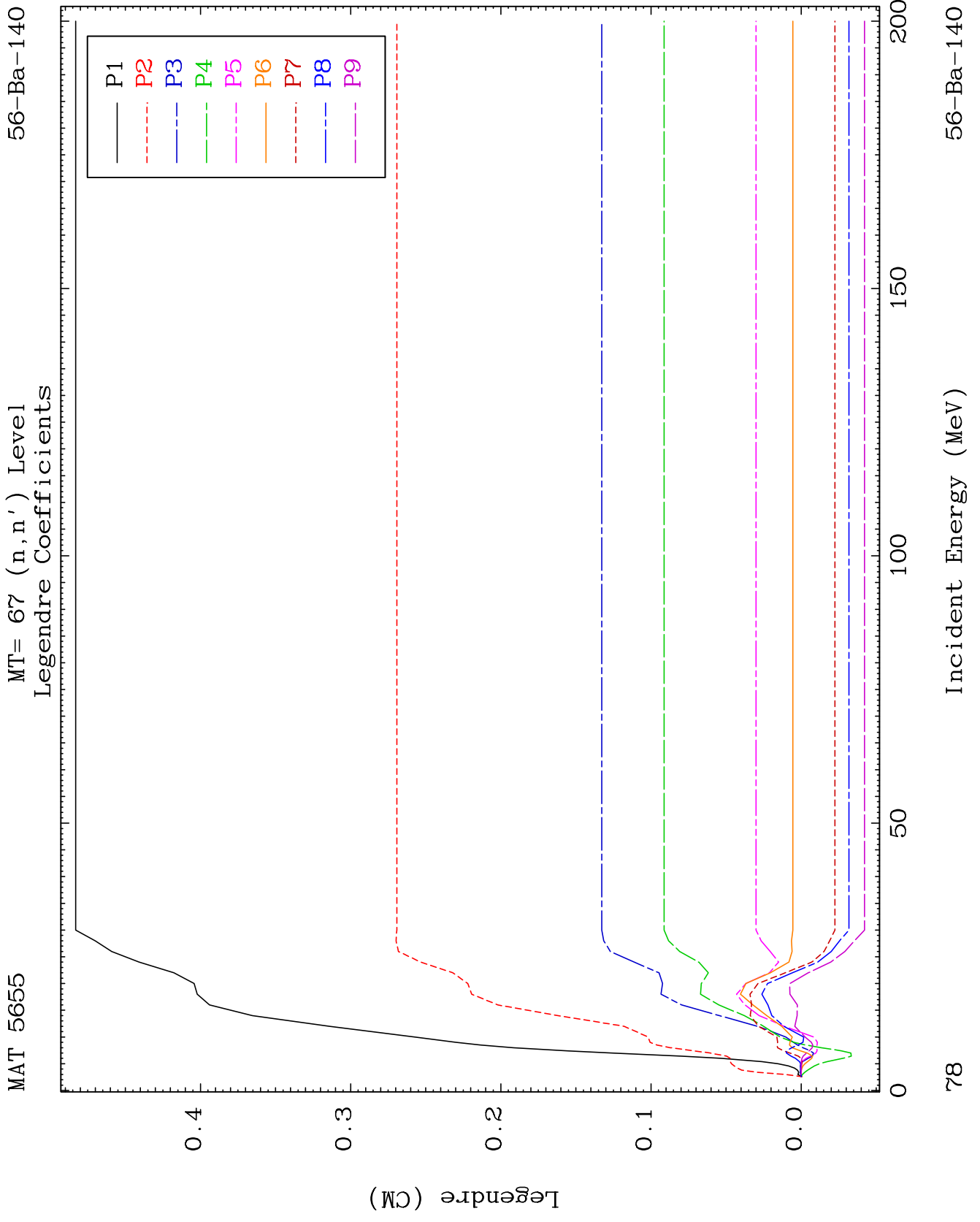
56-Ba-140



77

Incident Energy (MeV)

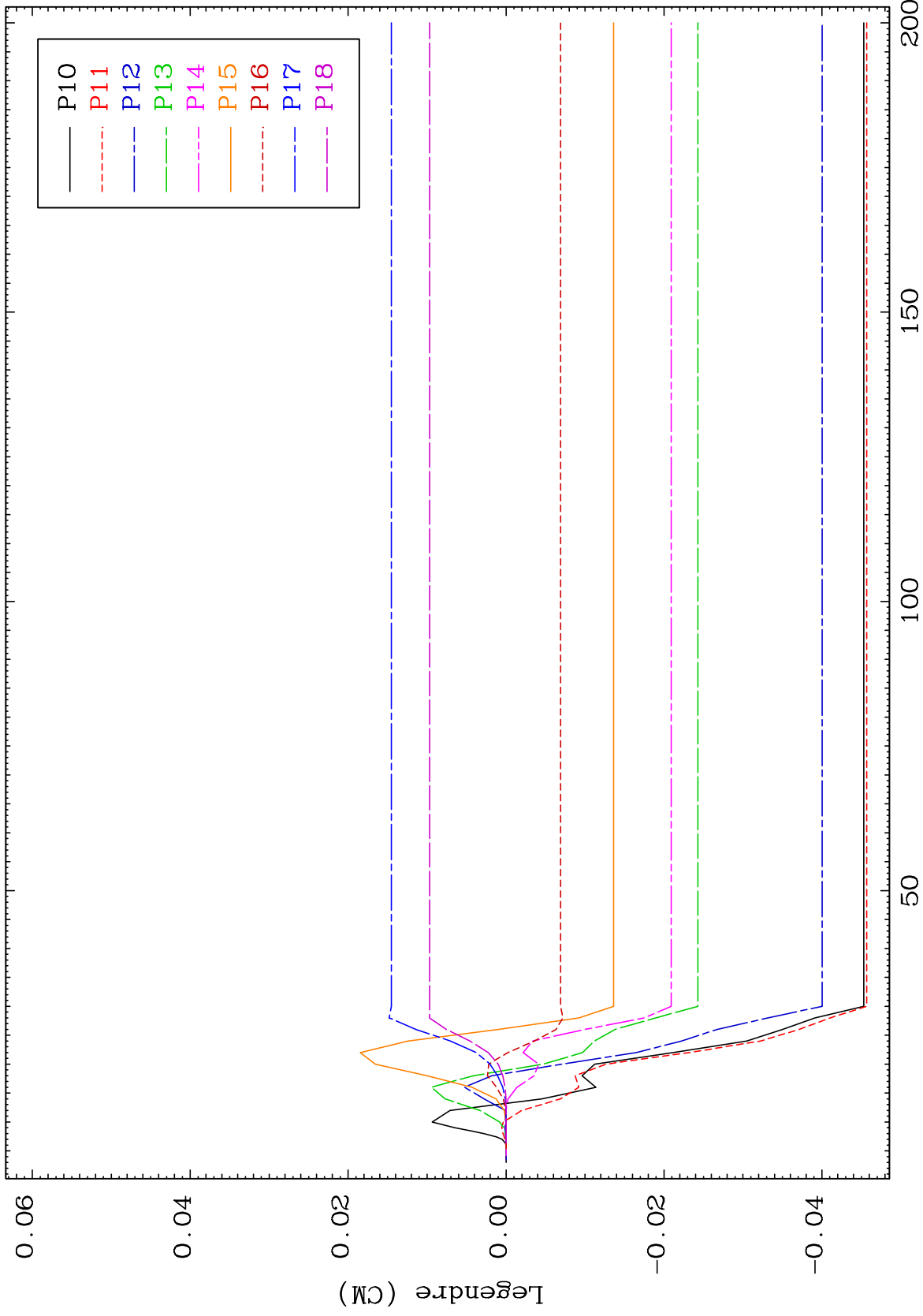
56-Ba-140



MAT 5655

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

56-Ba-140



79

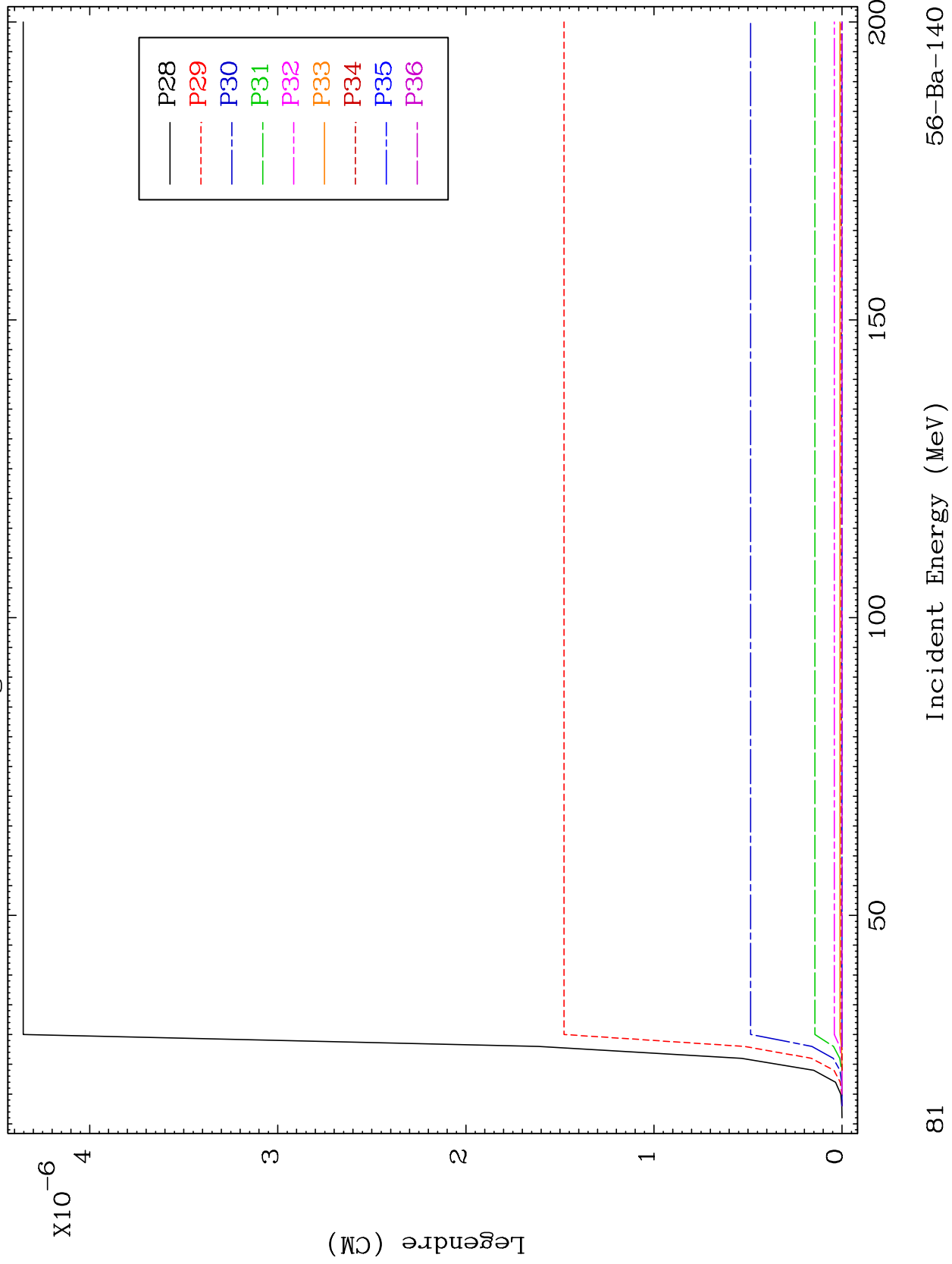
Incident Energy (MeV)

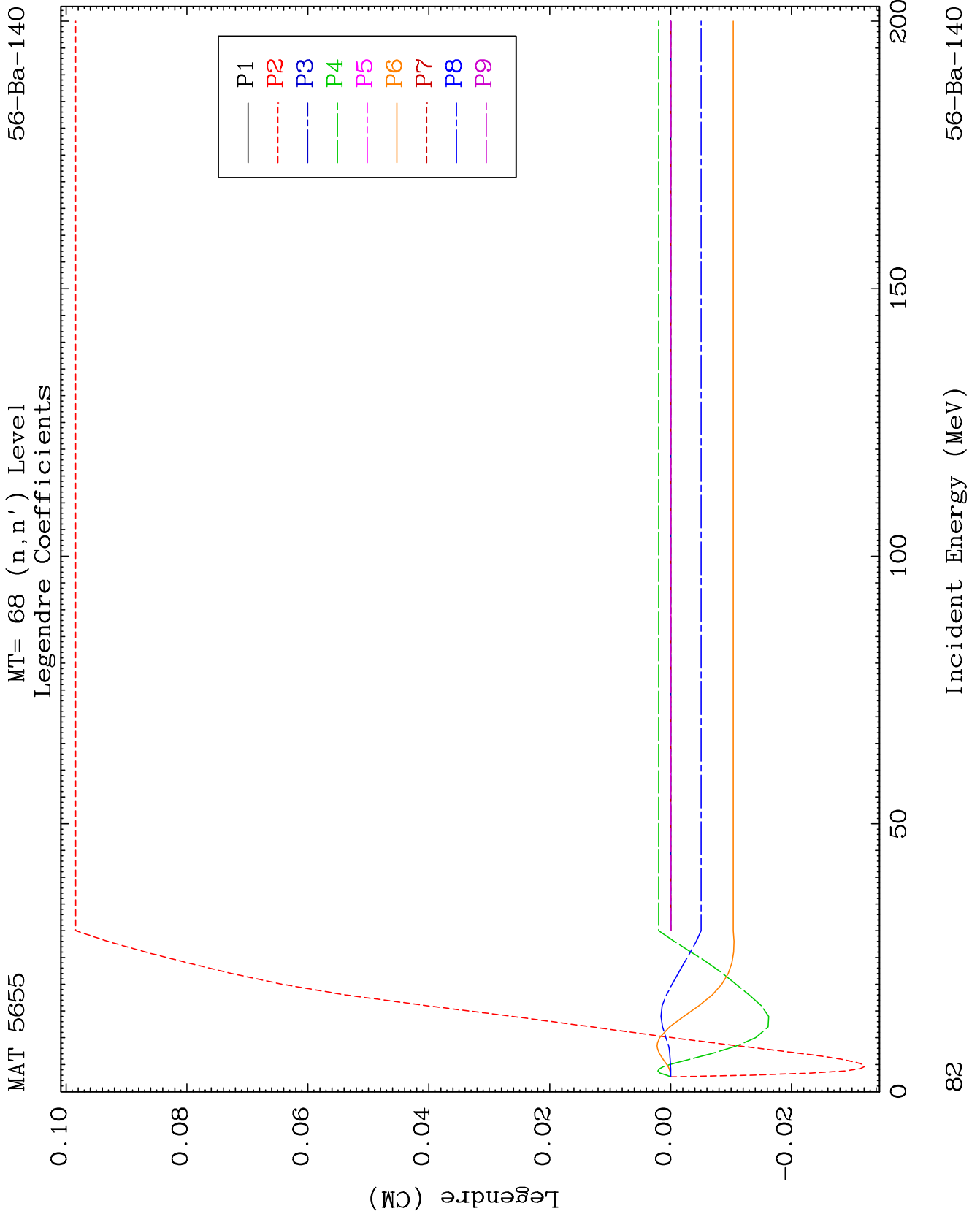
56-Ba-140

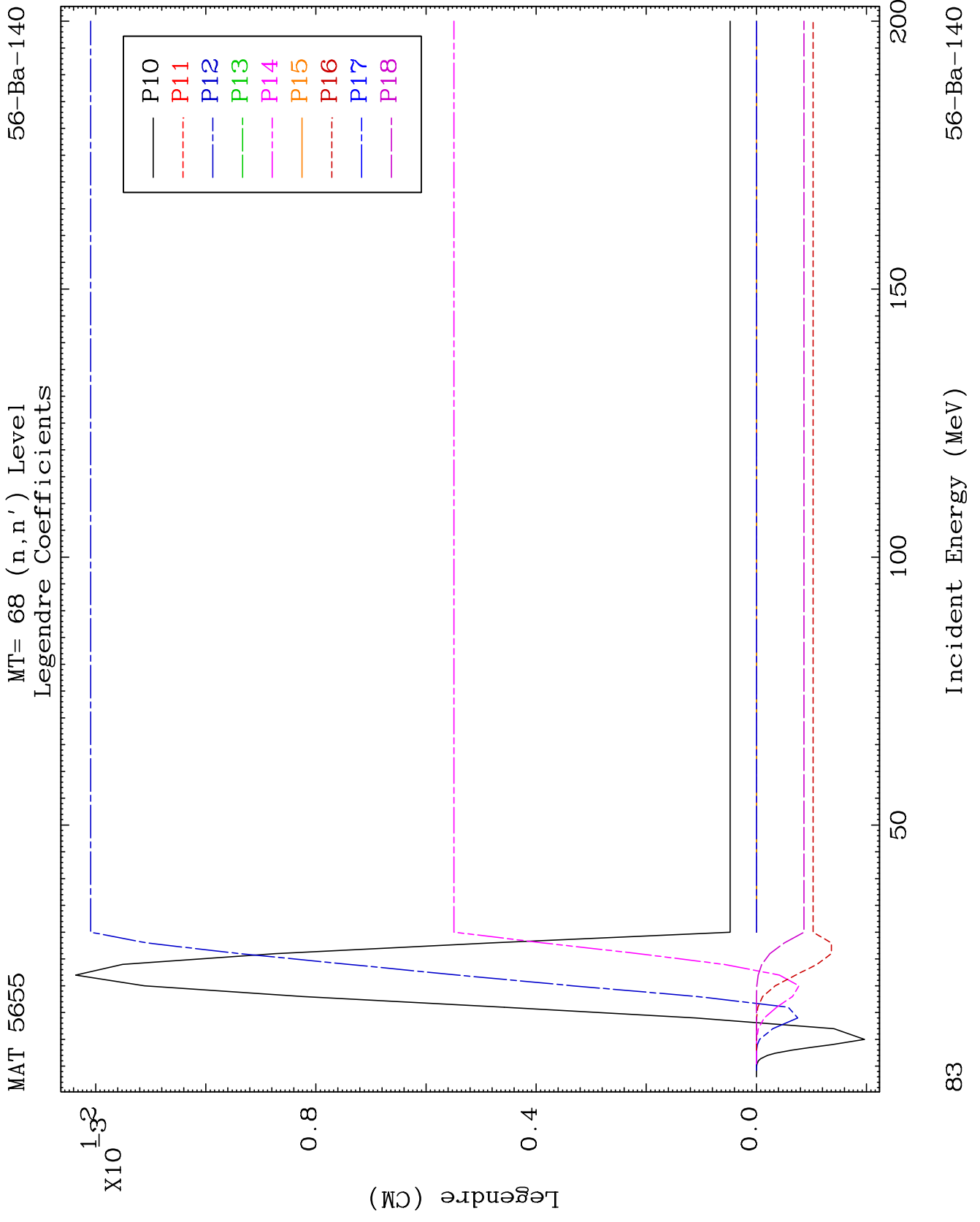
MAT 5655

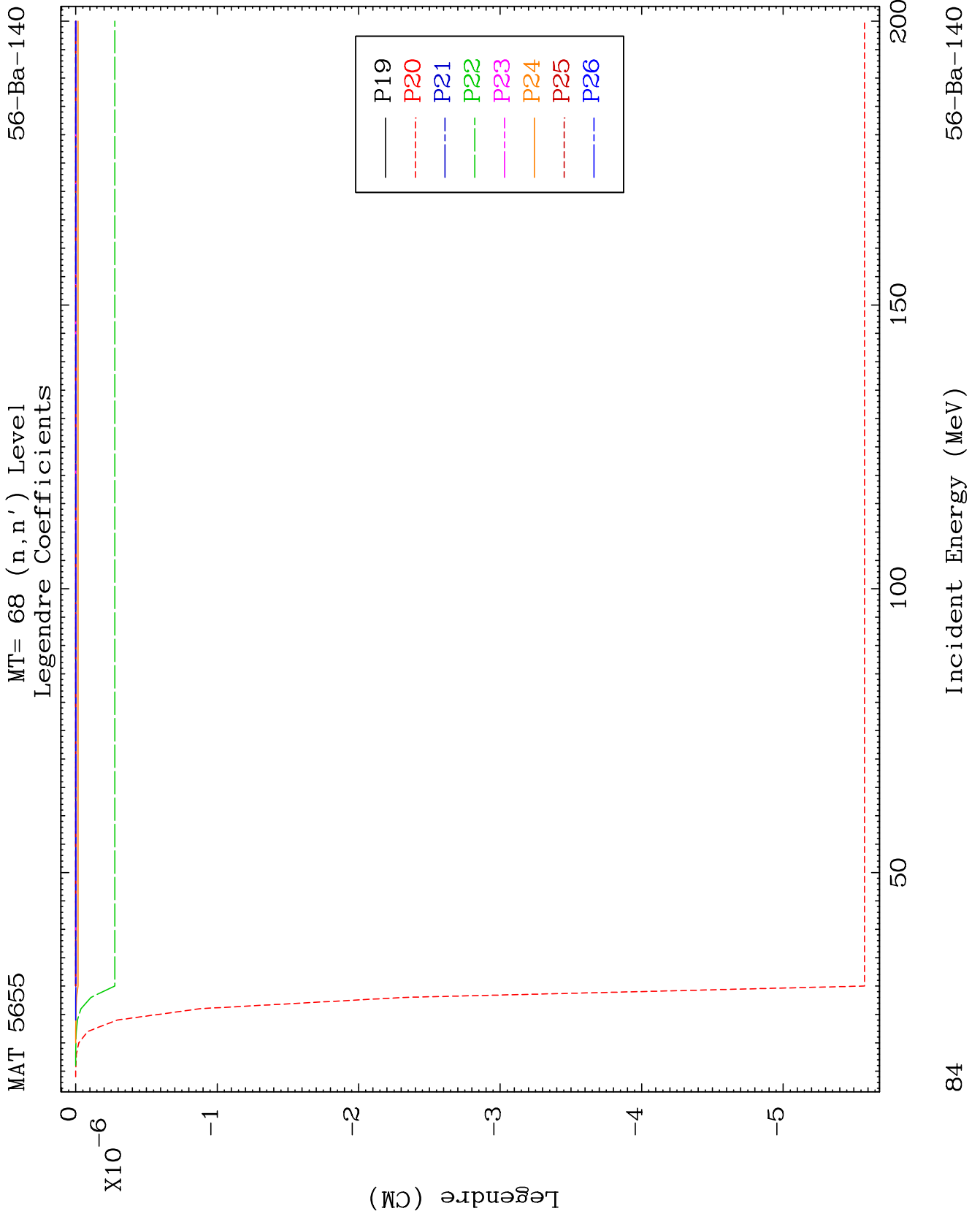
MT= 67 (n,n') Level
Legendre Coefficients

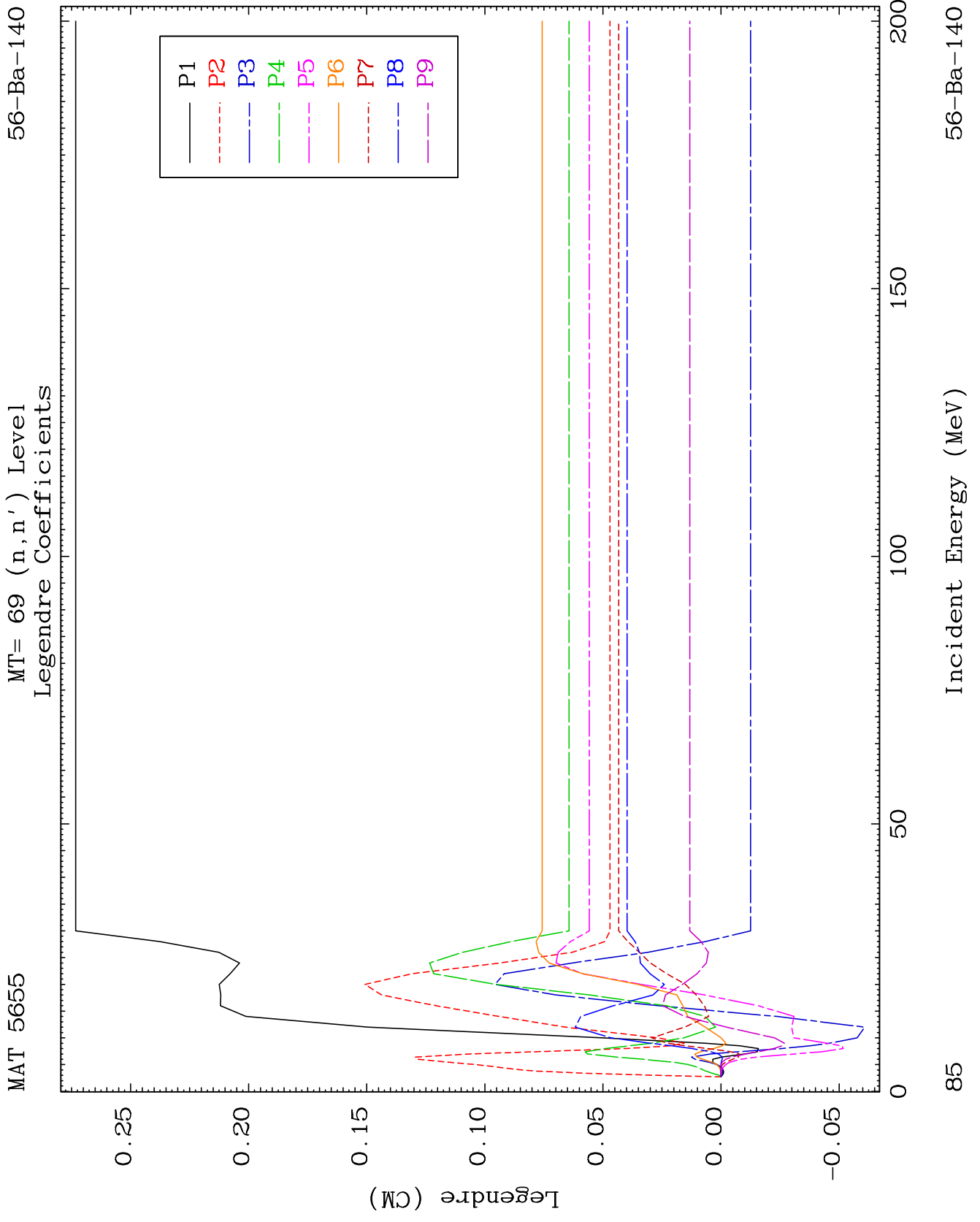
56-Ba-140







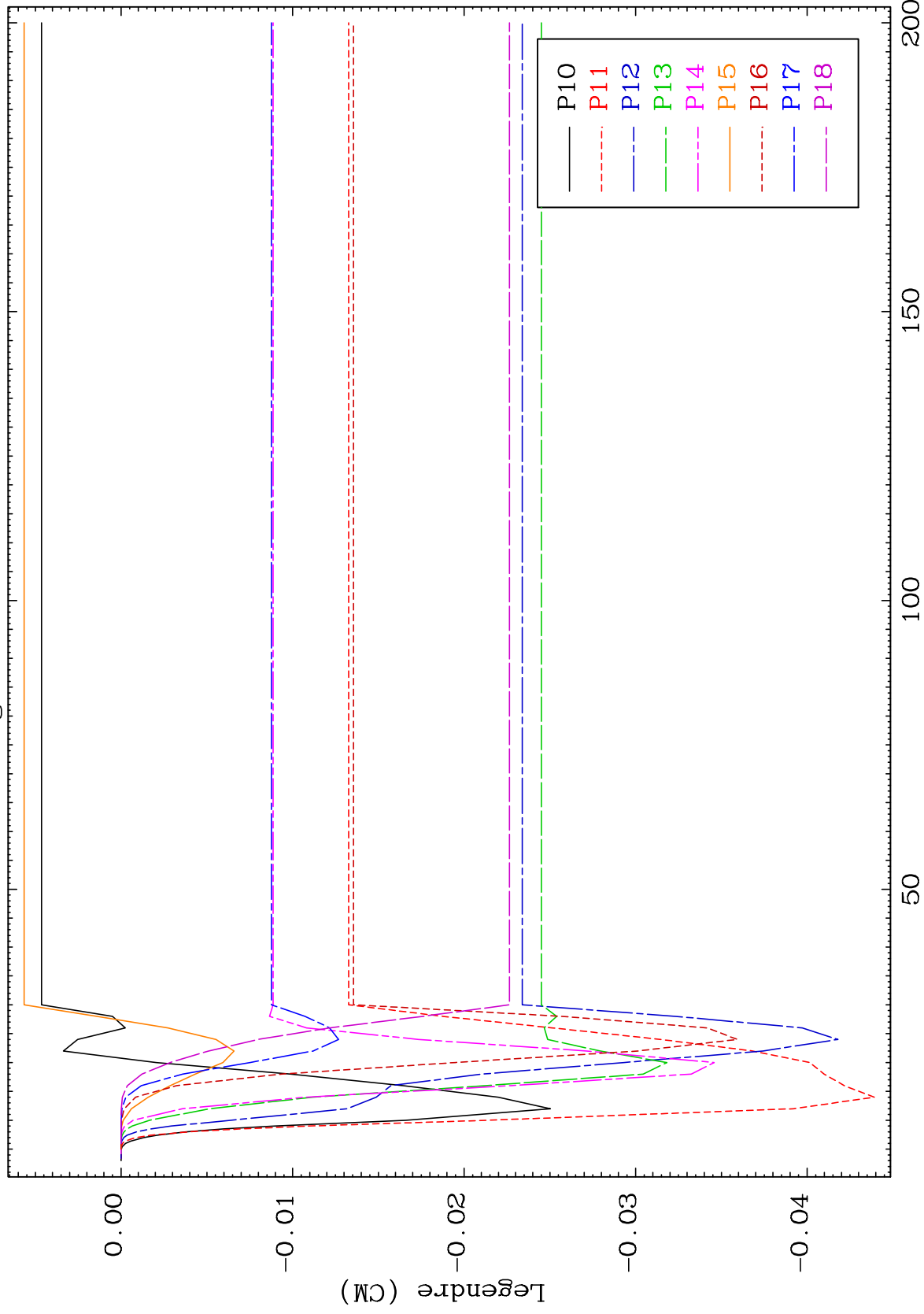




MAT 5655

56-Ba-140

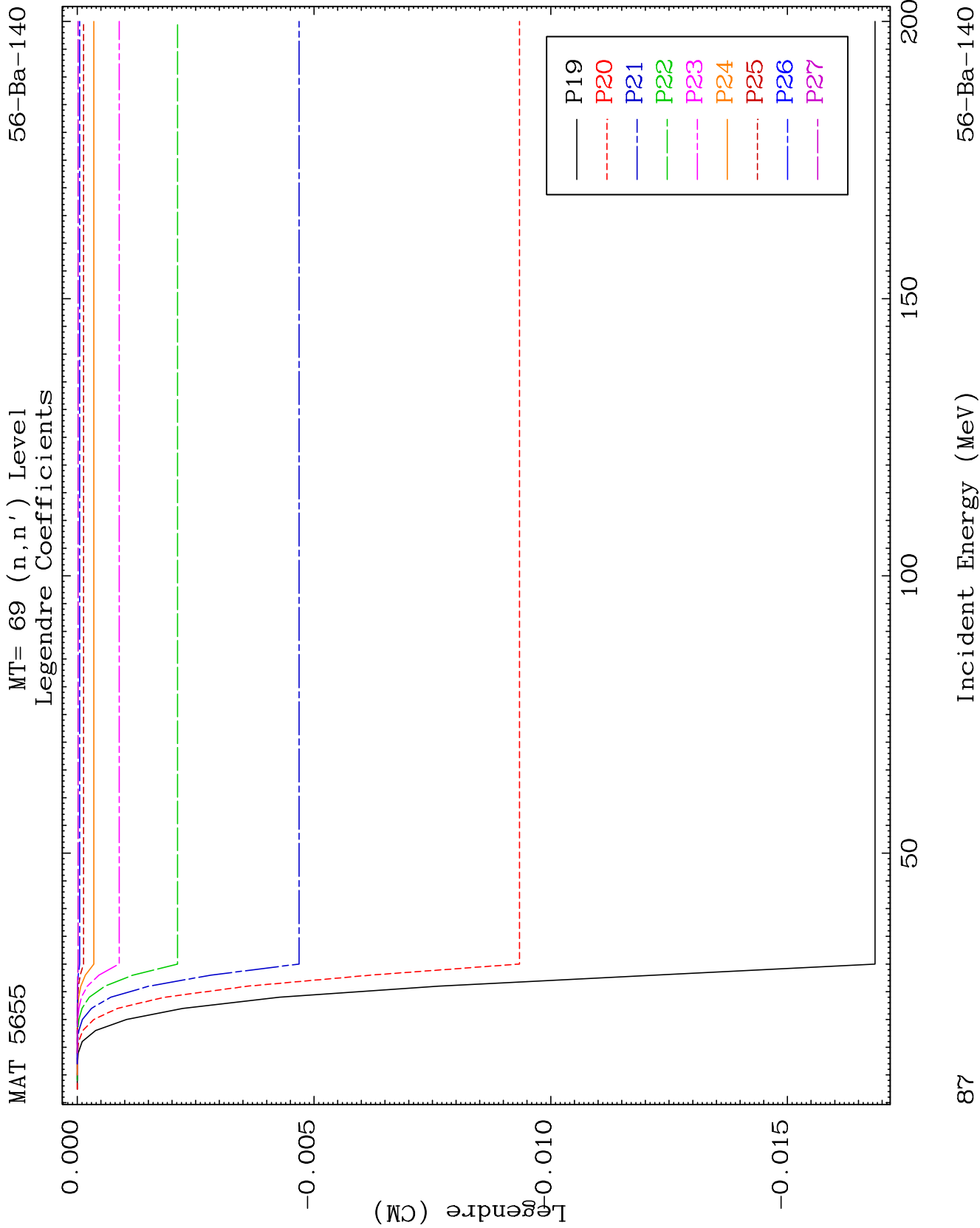
MT= 69 (n,n') Level
Legendre Coefficients

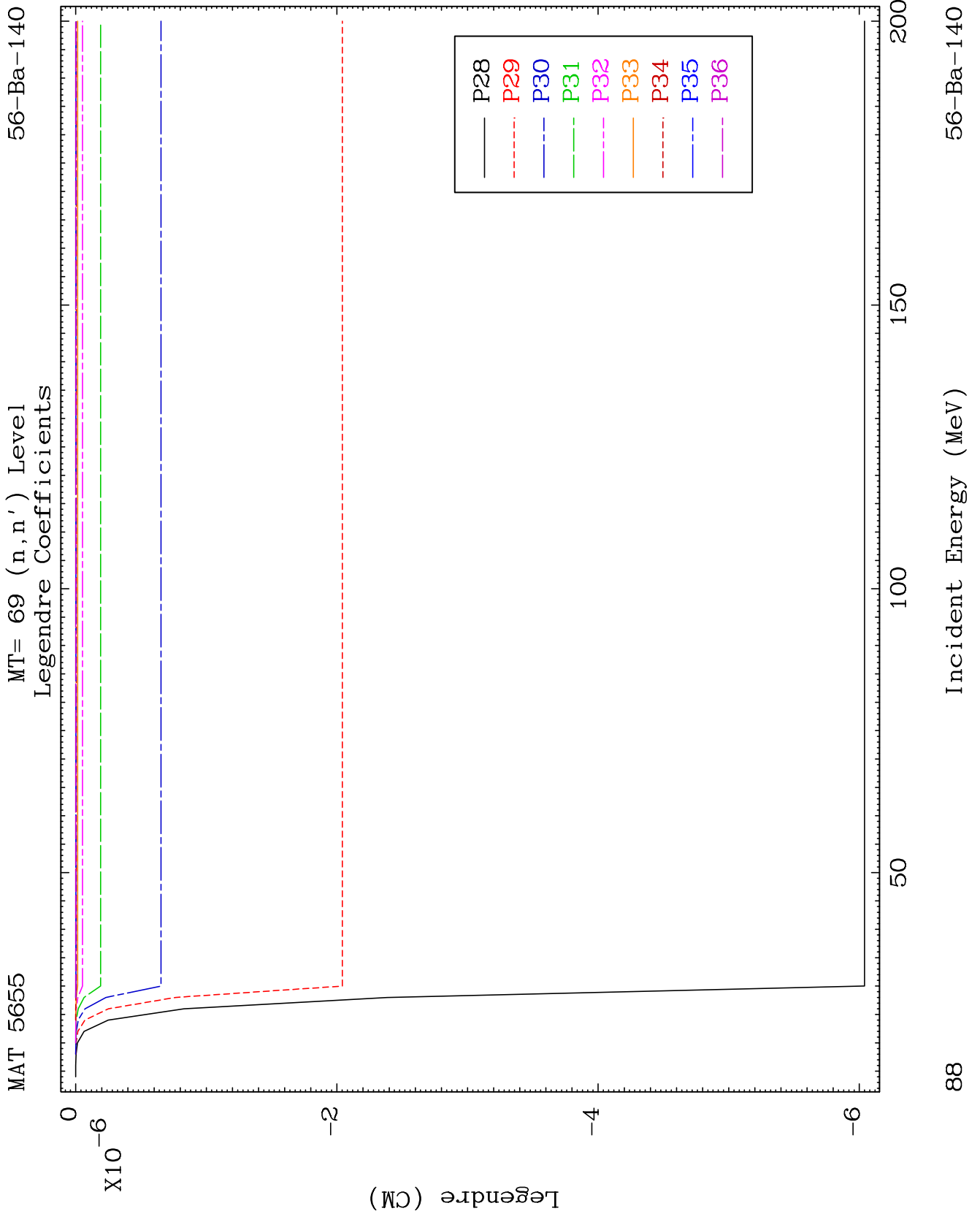


86

56-Ba-140

Incident Energy (MeV)

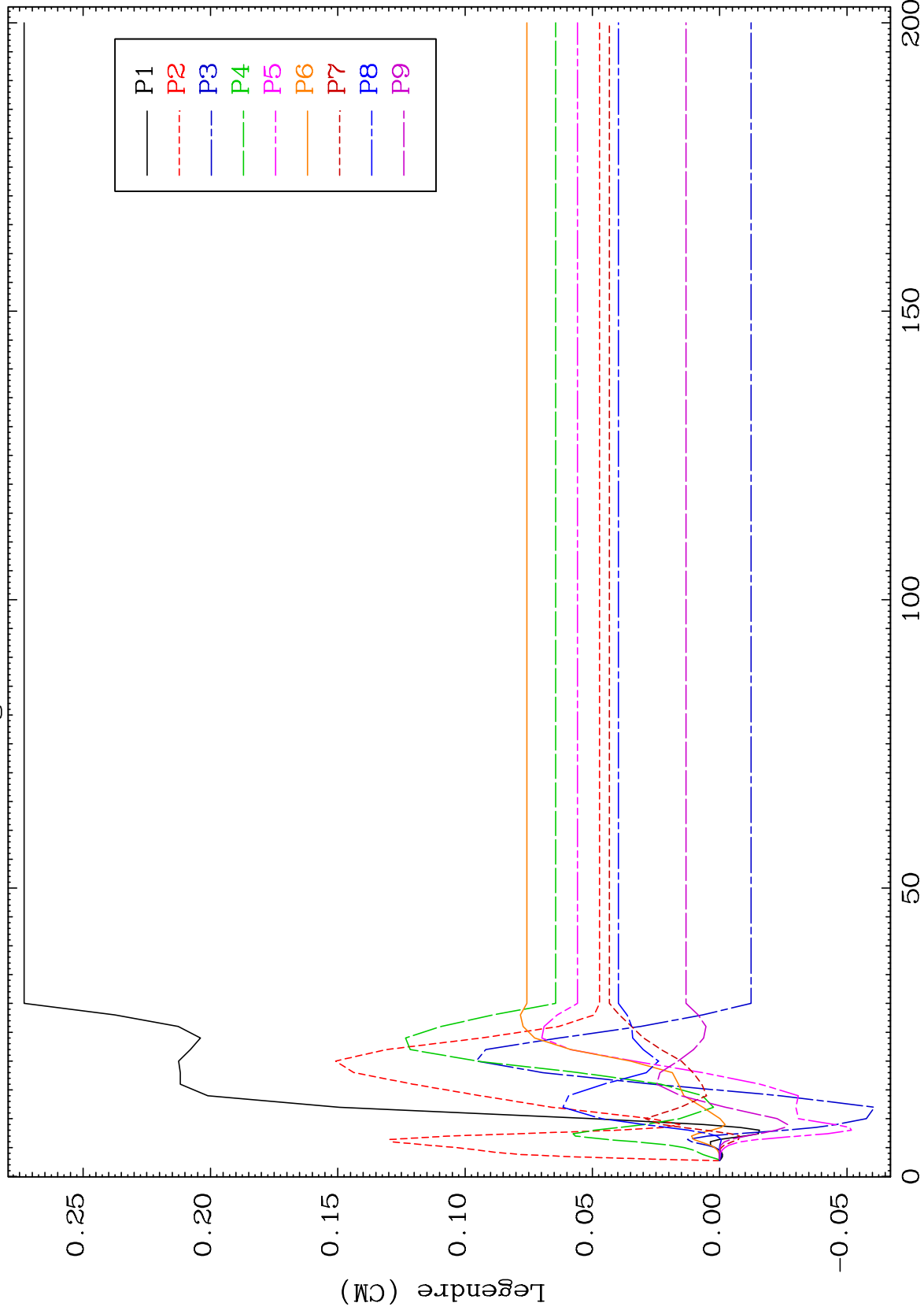




MAT 5655

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

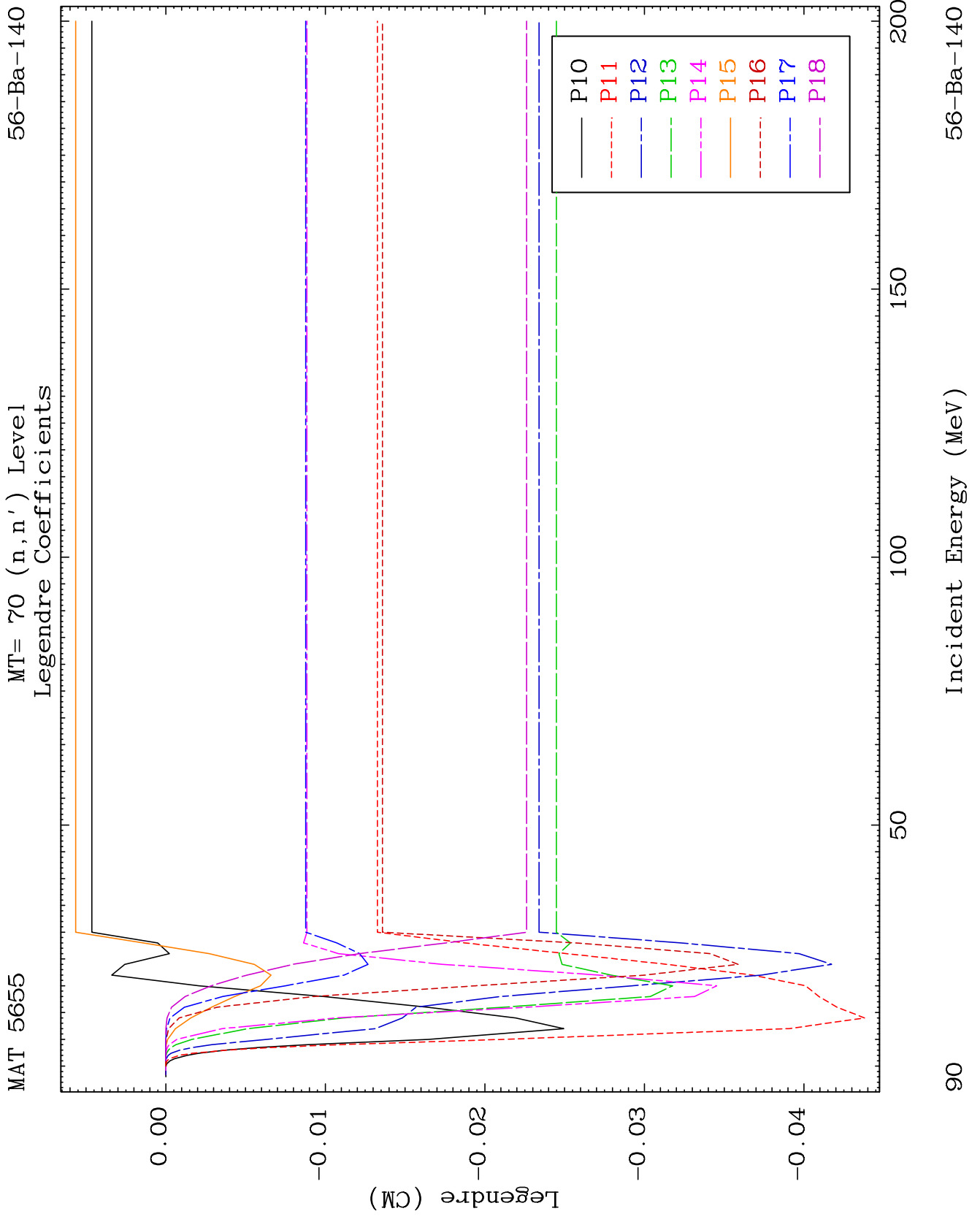
56-Ba-140

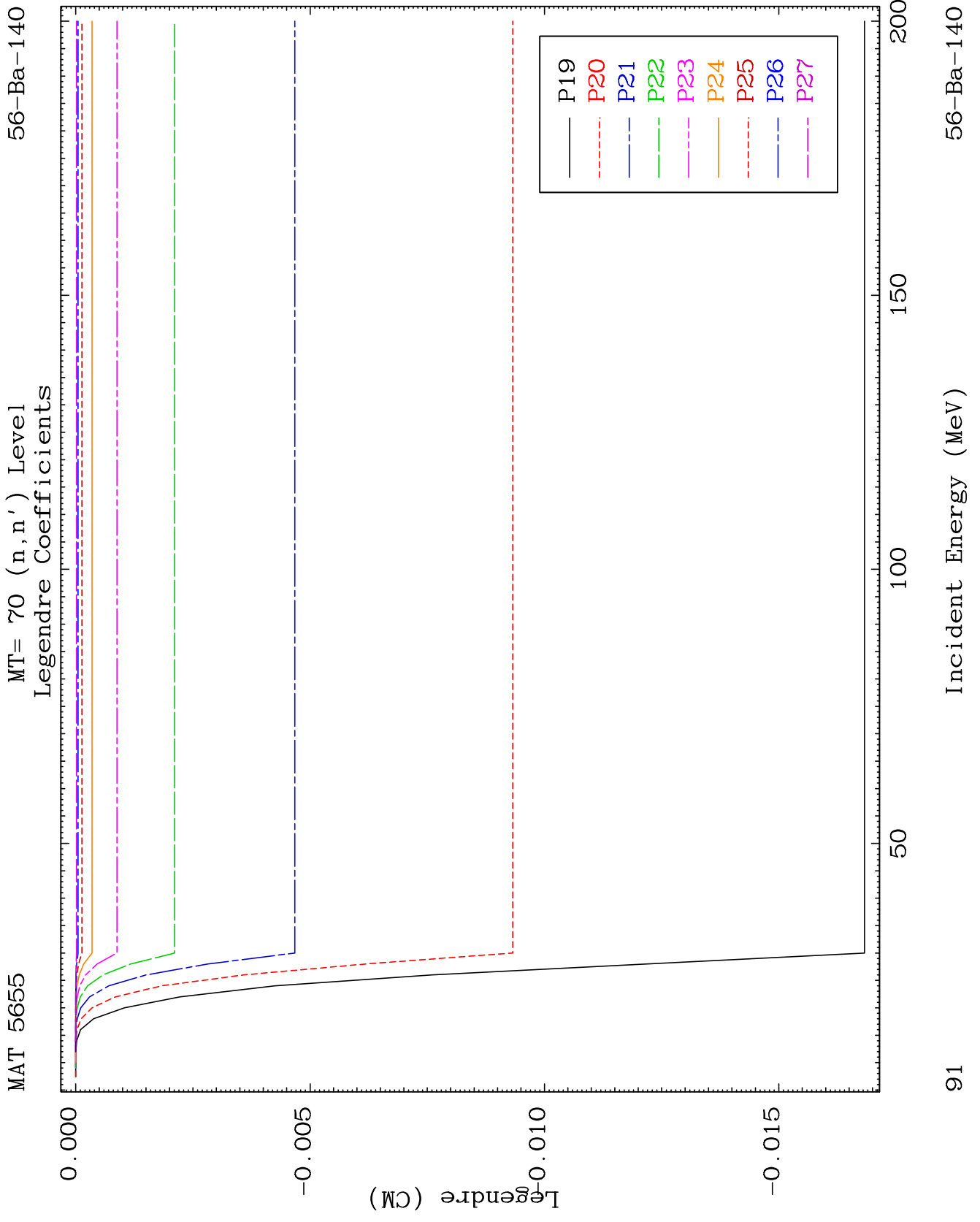


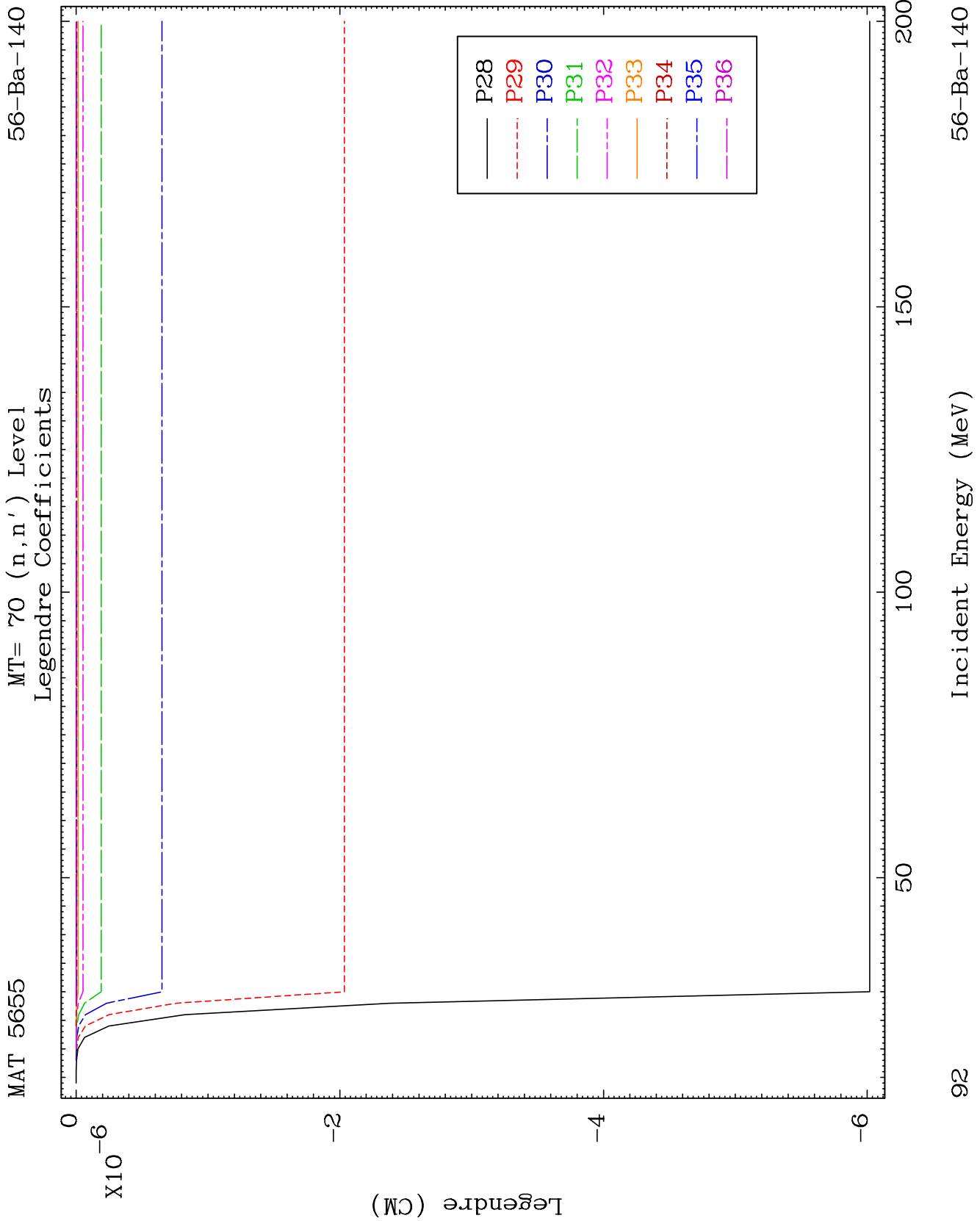
56-Ba-140

Incident Energy (MeV)

89



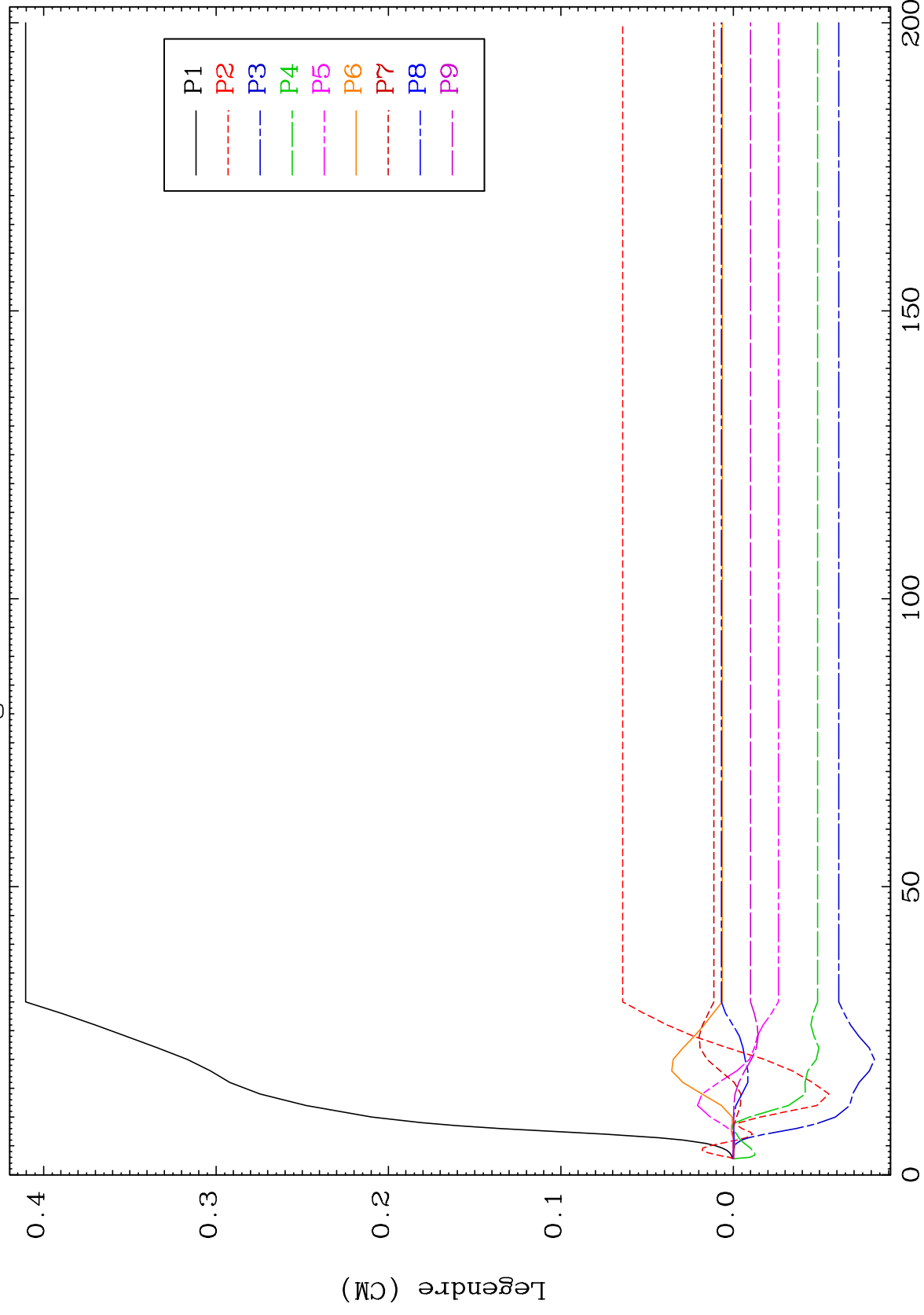




MAT 5655

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

56-Ba-140



93

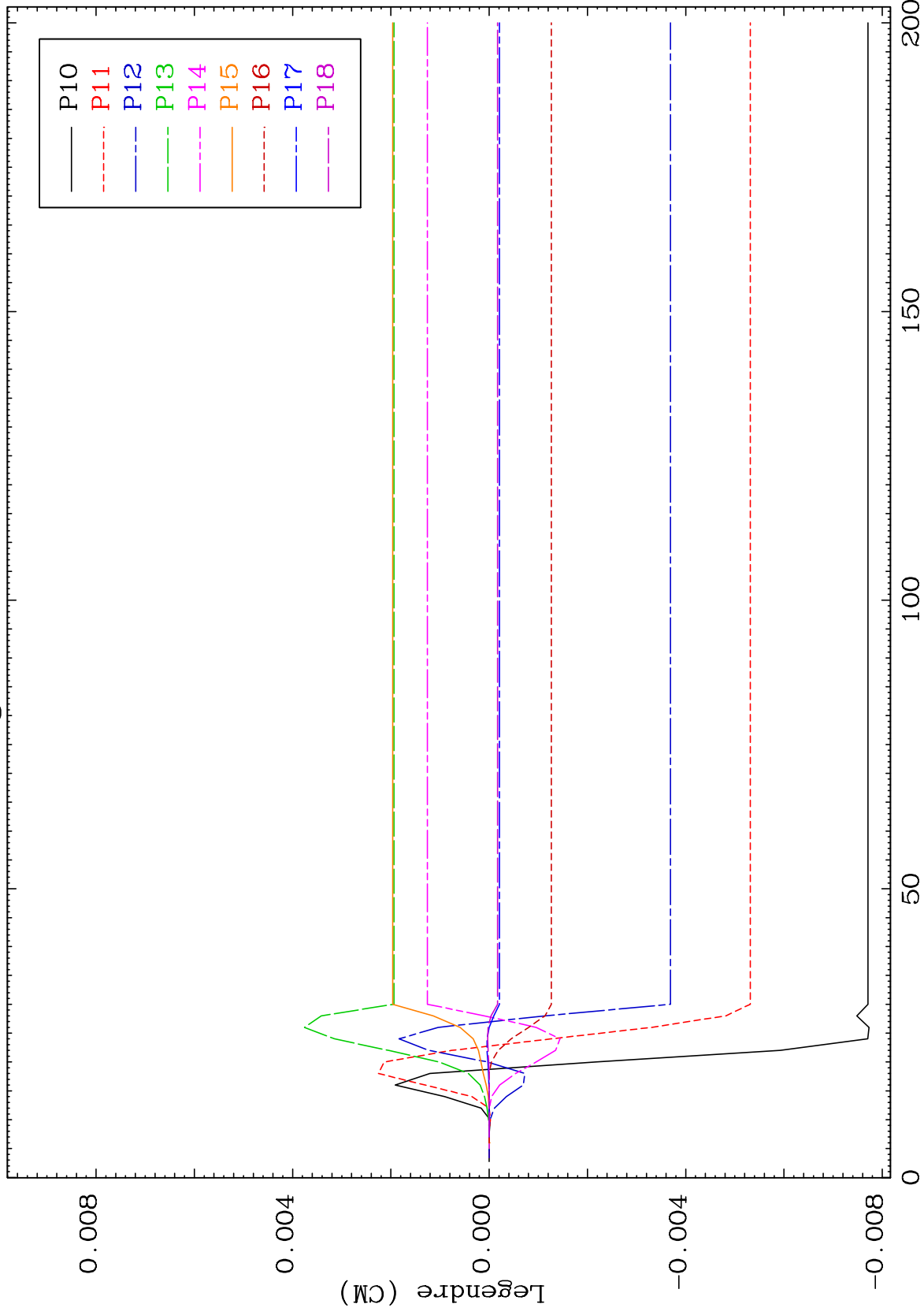
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

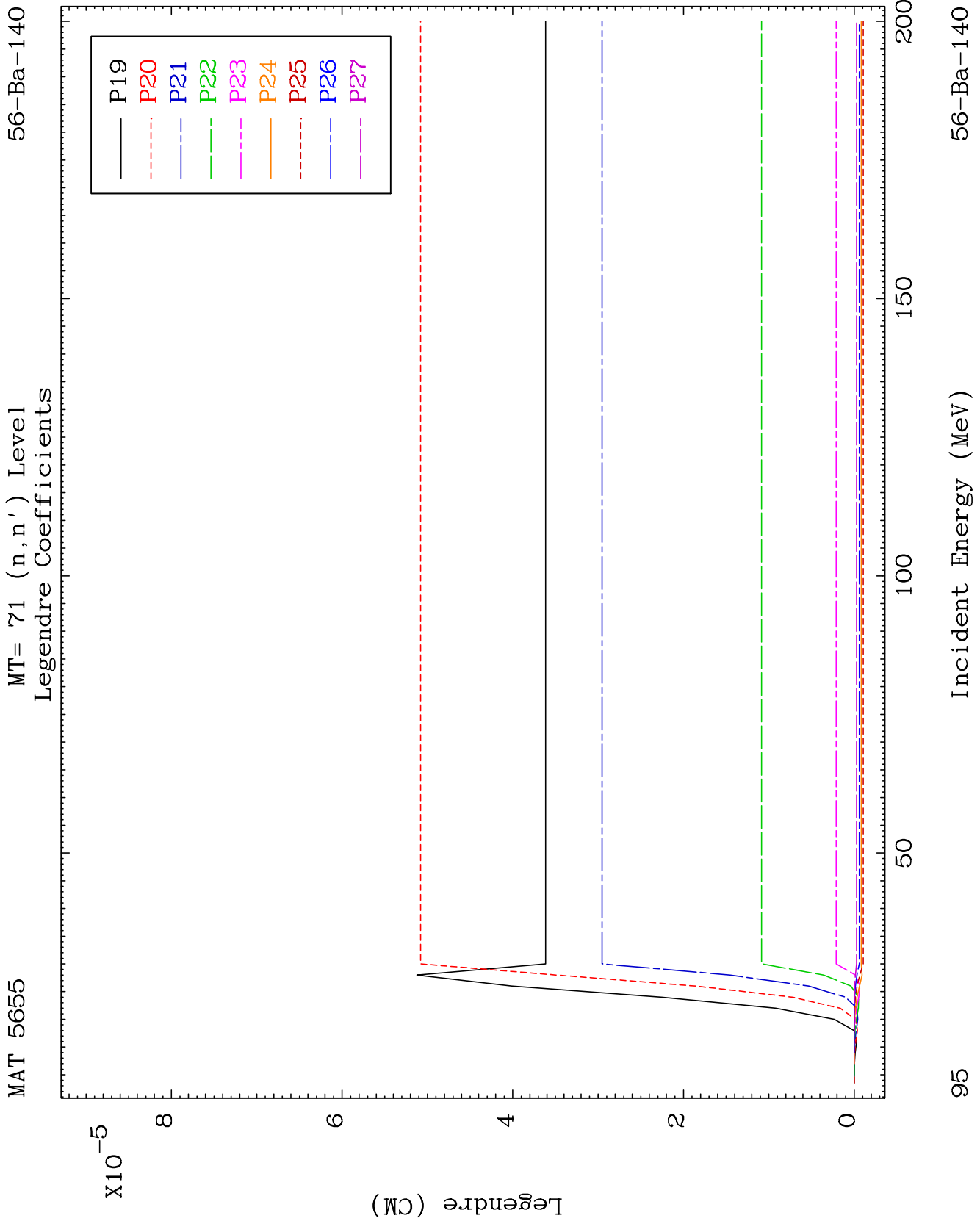
56-Ba-140

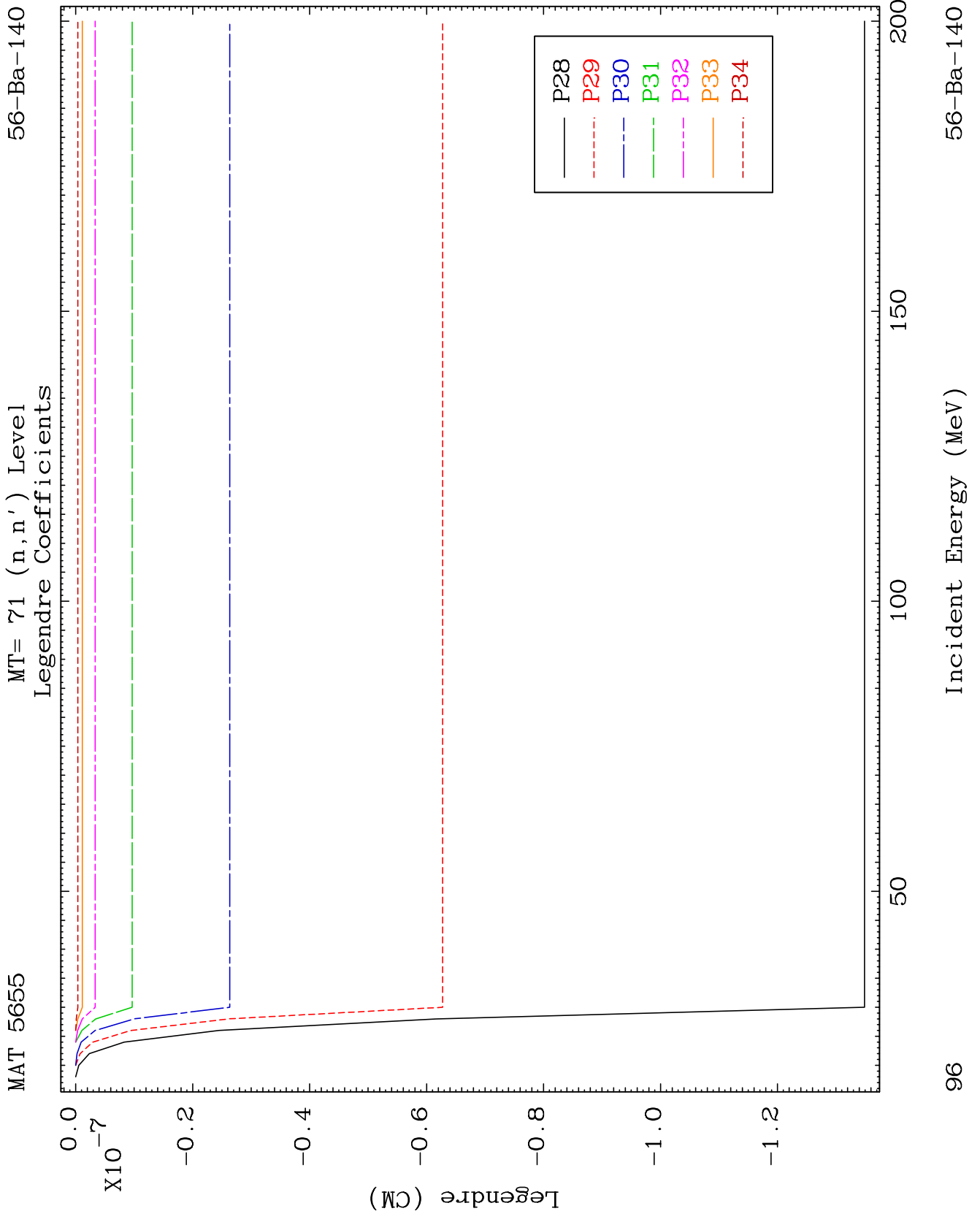


94

Incident Energy (MeV)

56-Ba-140

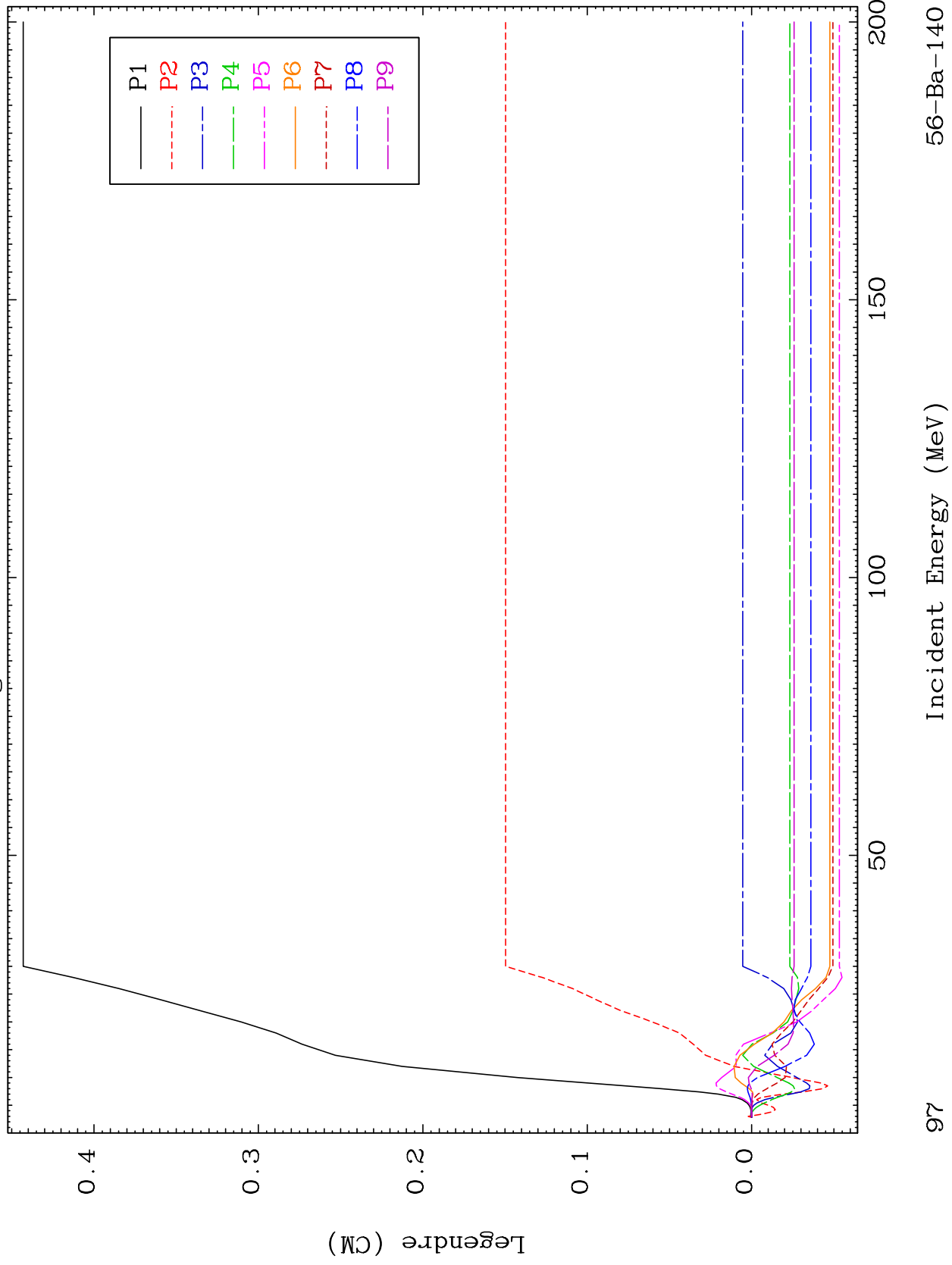




MAT 5655

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

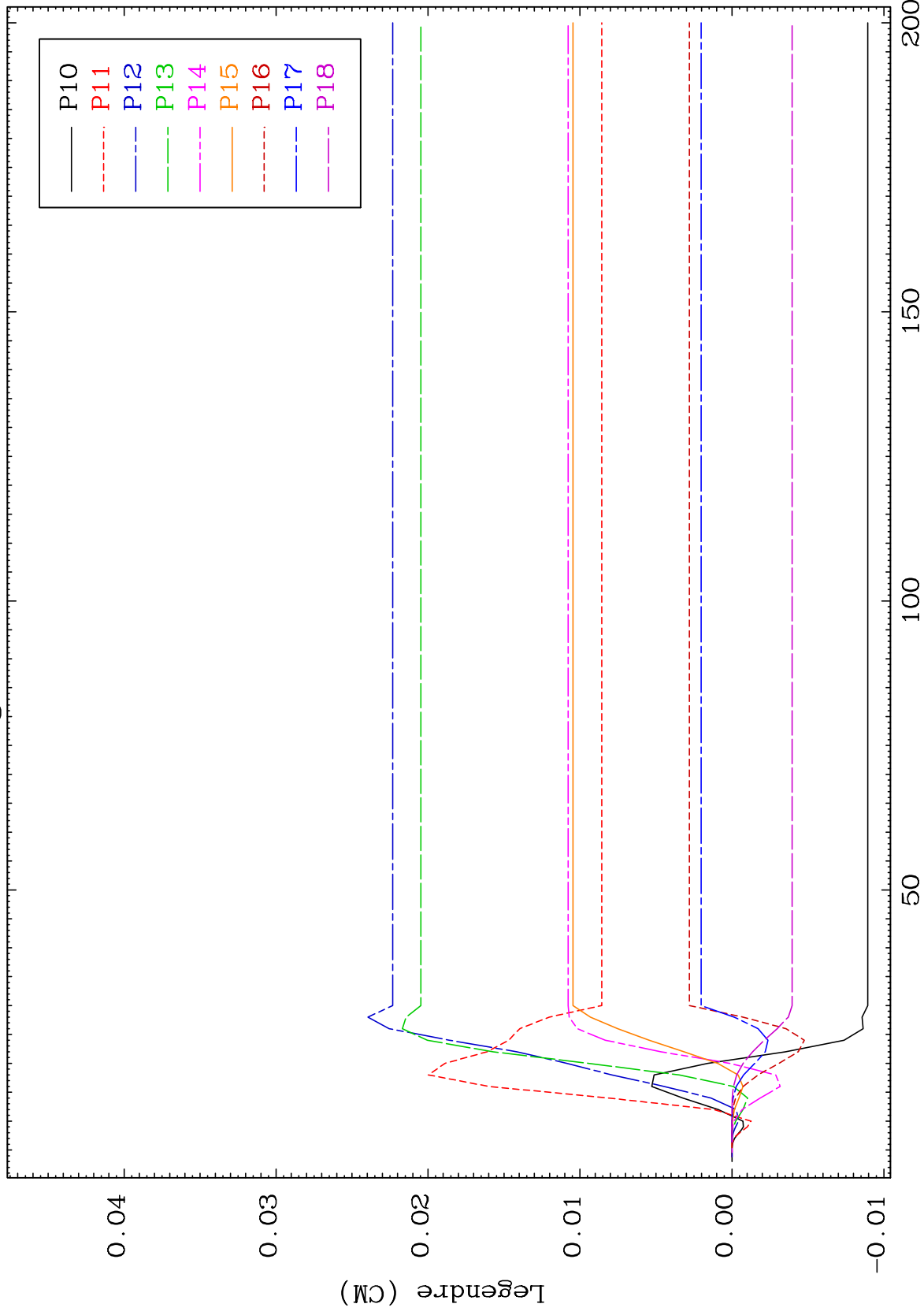
56-Ba-140



MAT 5655

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

56-Ba-140



98

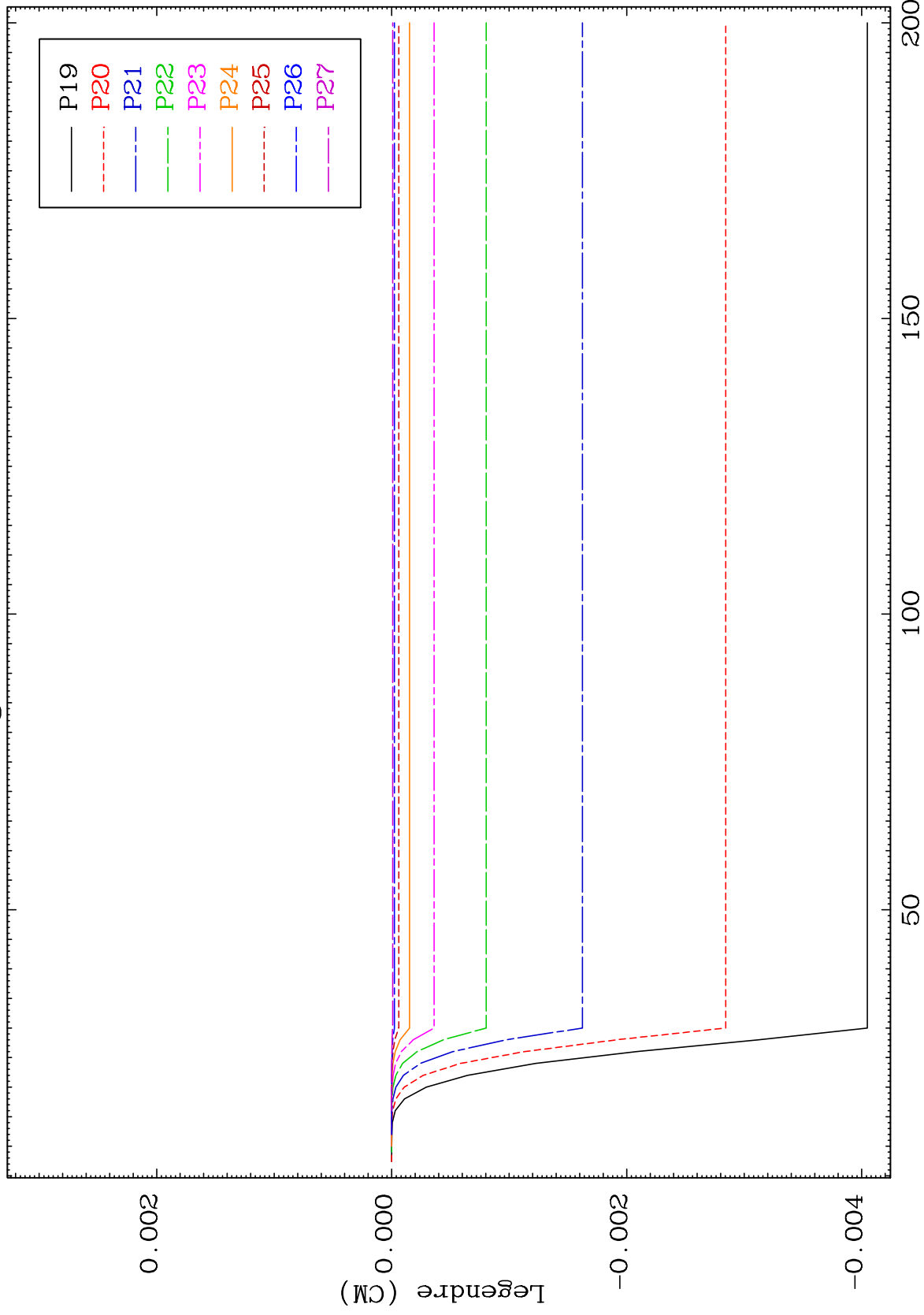
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

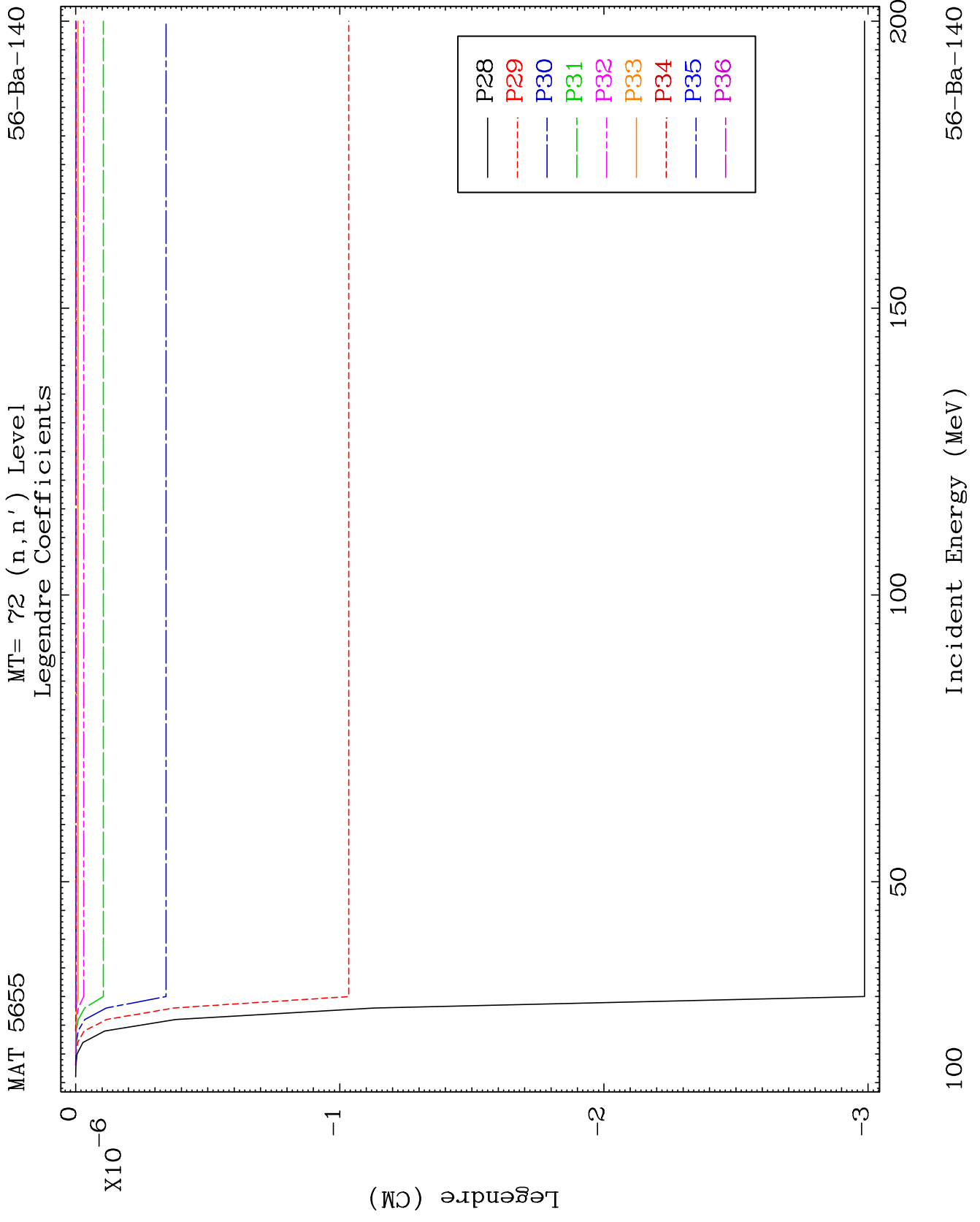
56-Ba-140

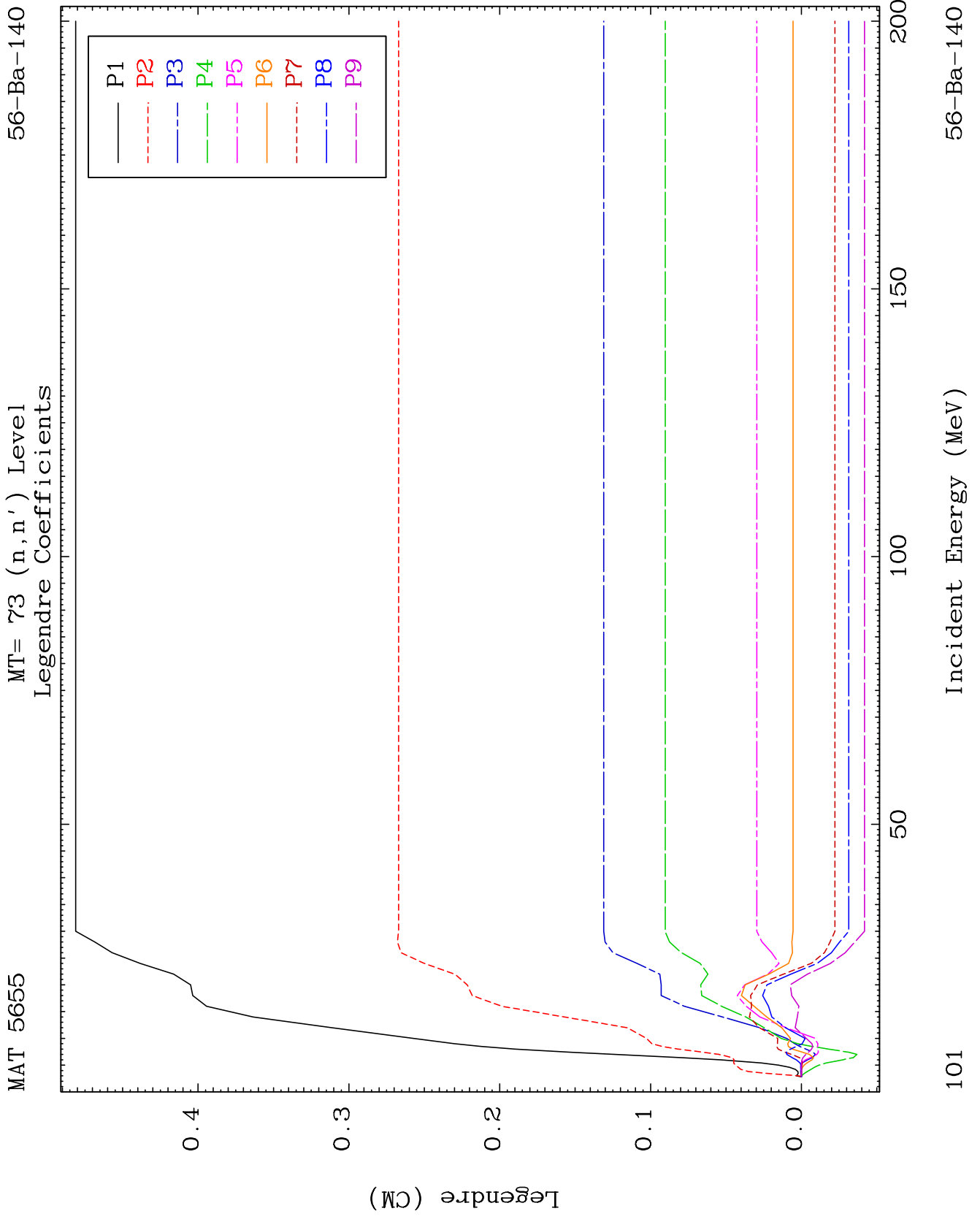


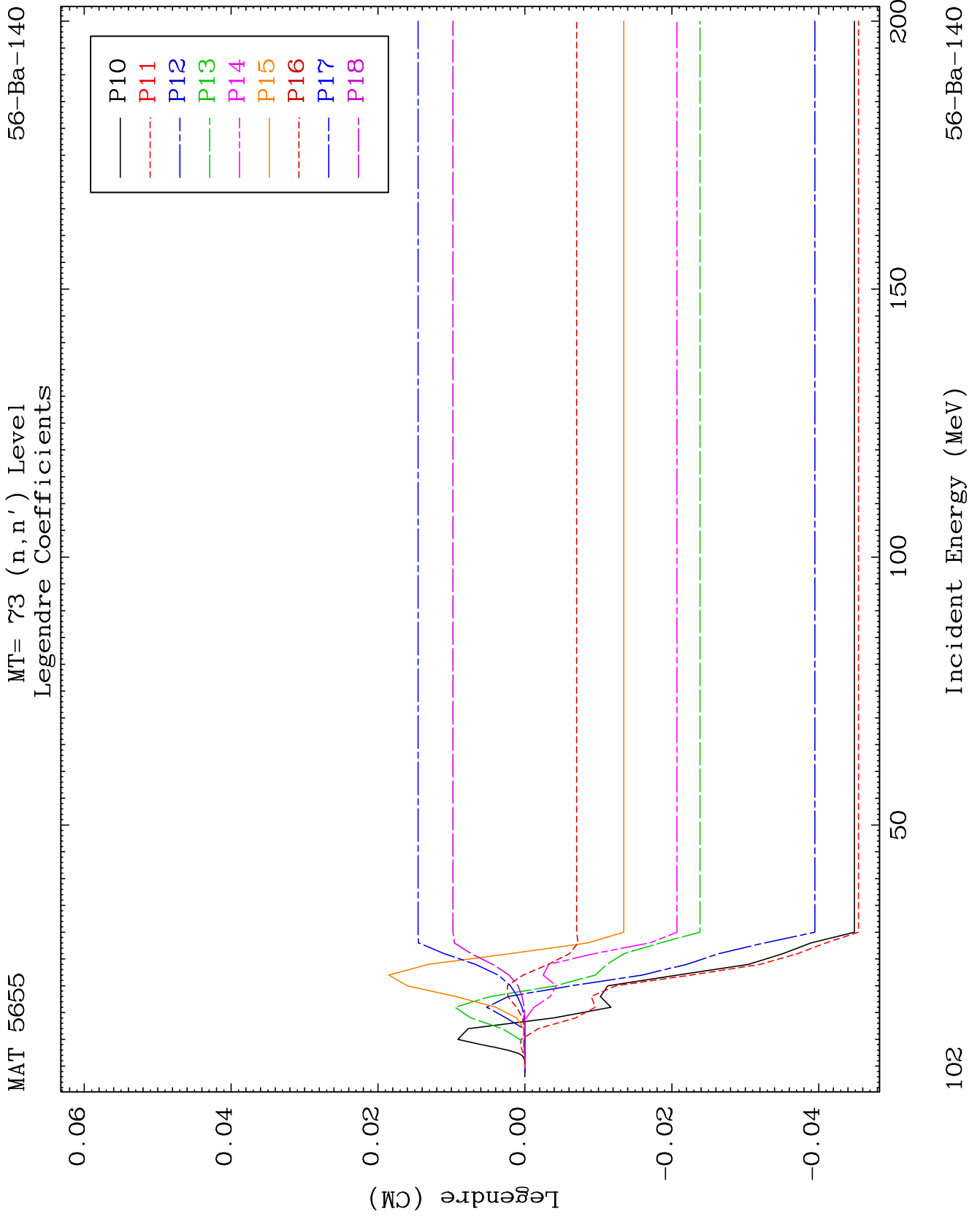
99

Incident Energy (MeV)

56-Ba-140



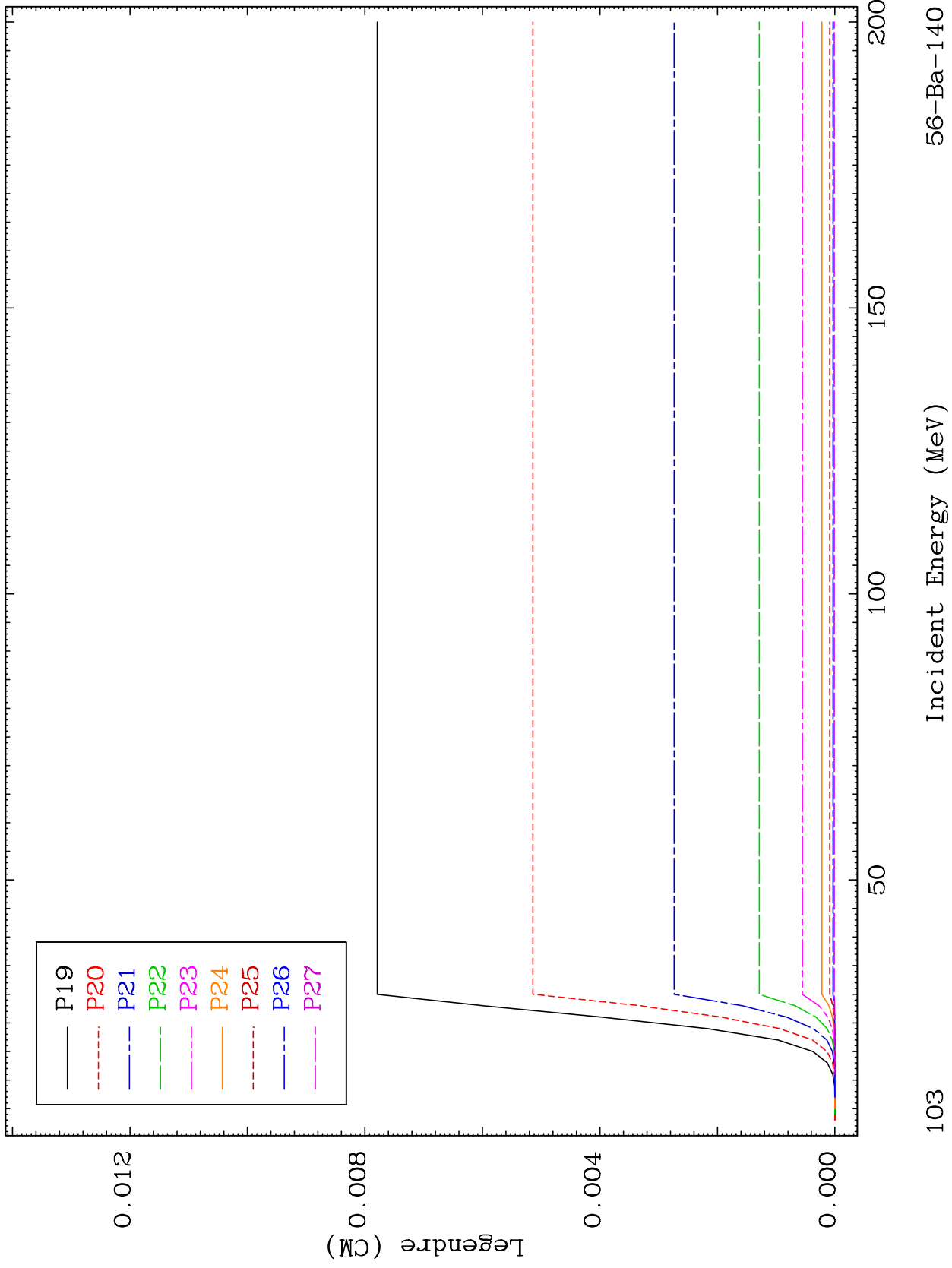




MAT 5655

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

56-Ba-140



103

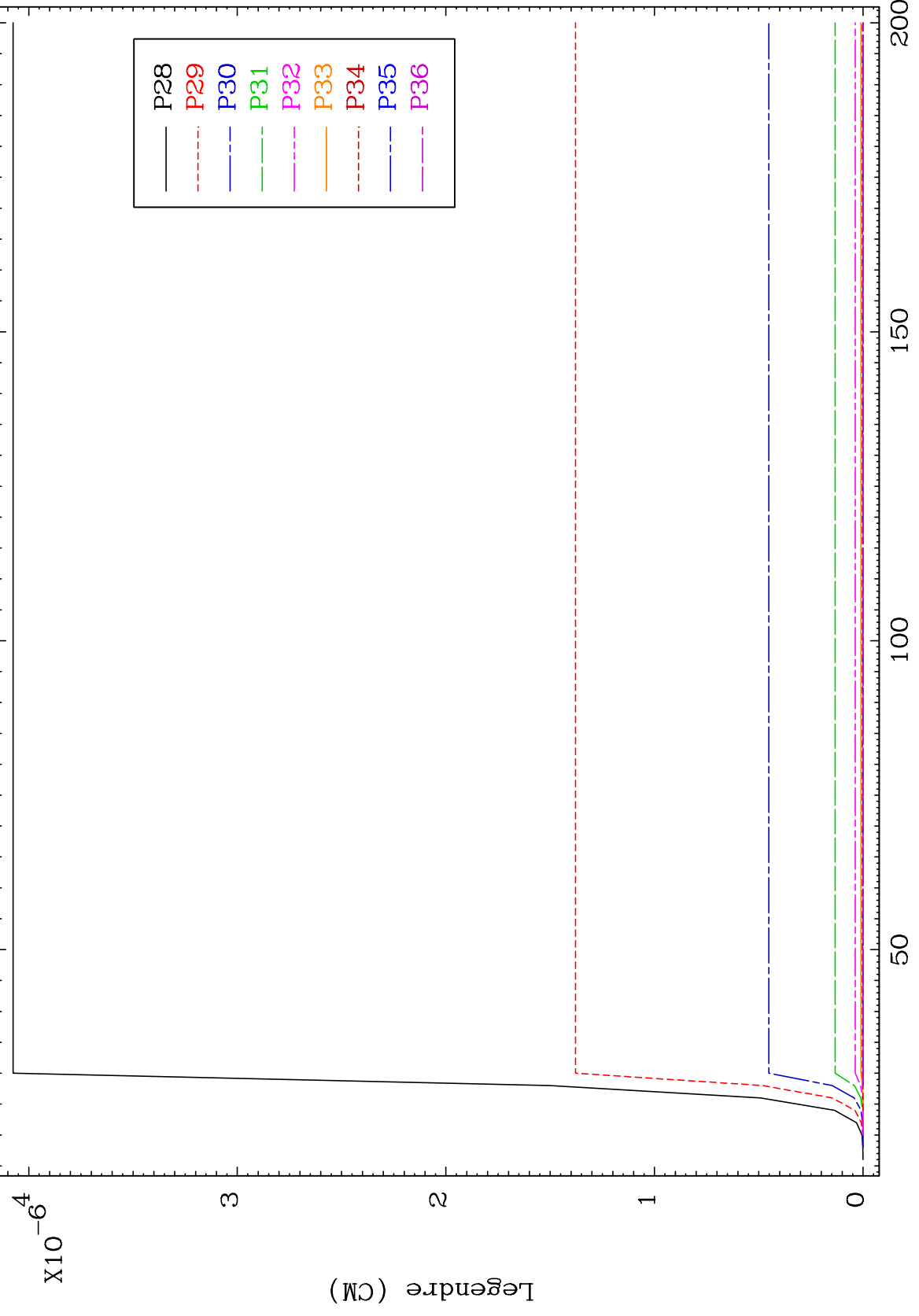
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

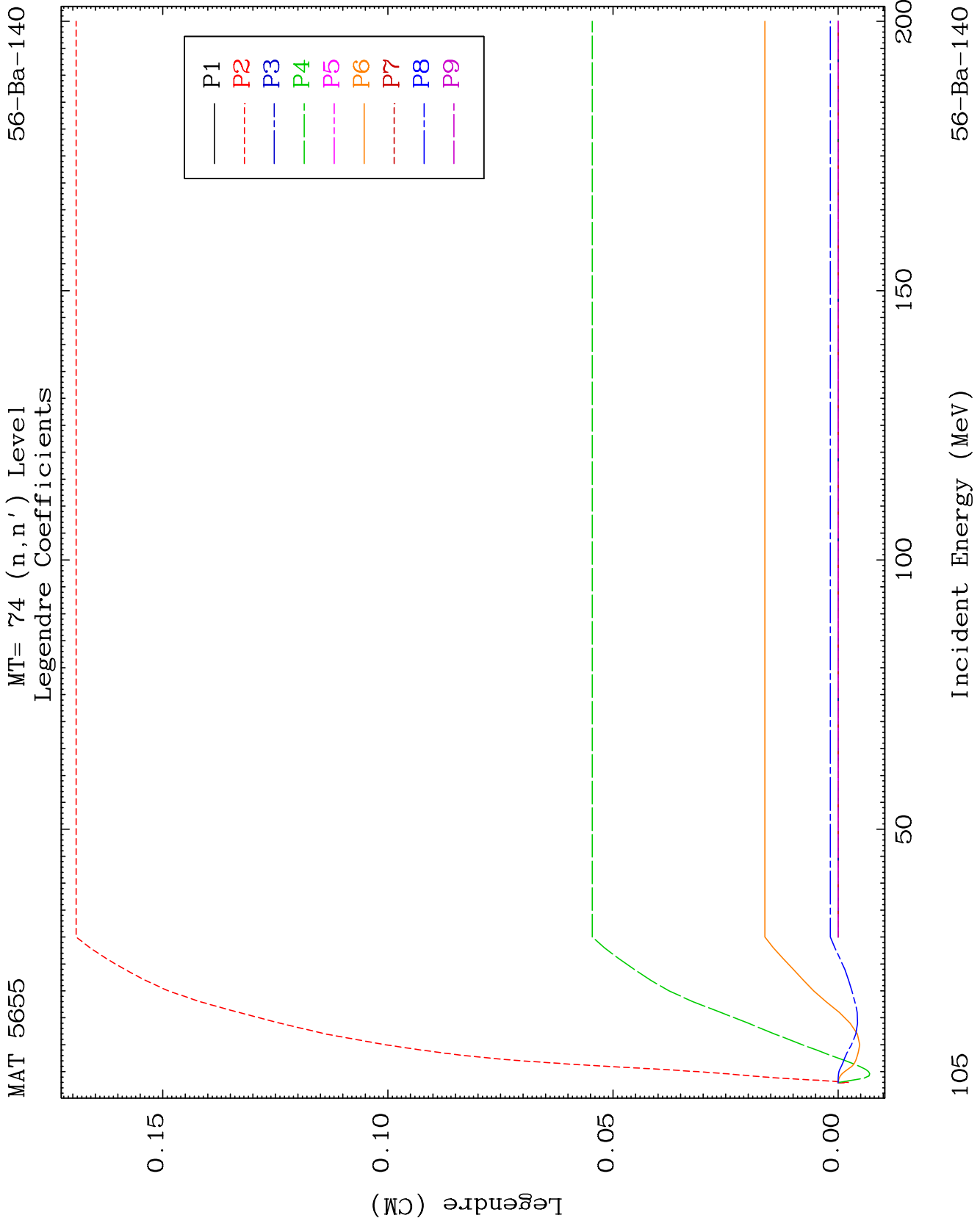
56-Ba-140



104

Incident Energy (MeV)

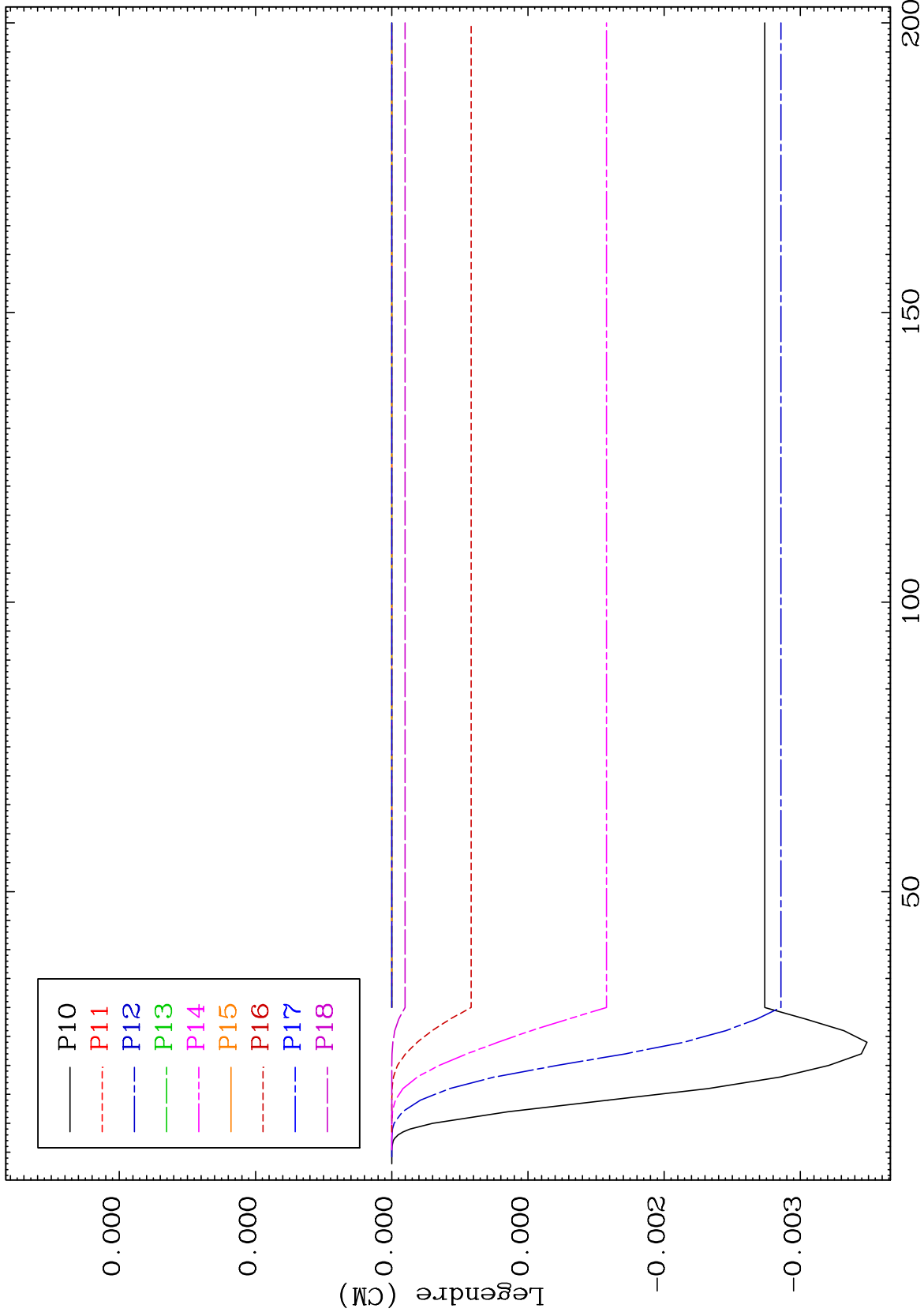
56-Ba-140



MAT 5655

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

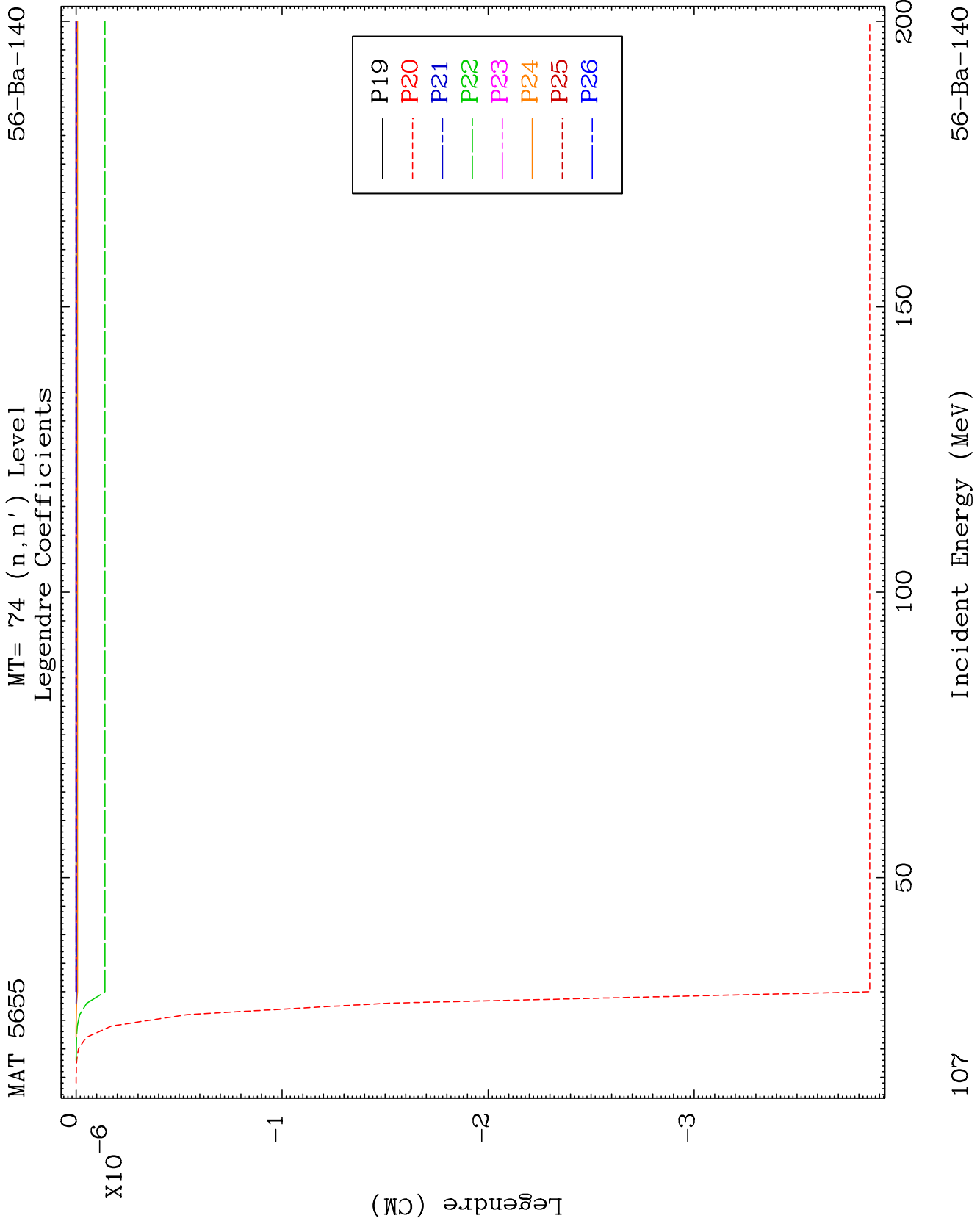
56-Ba-140

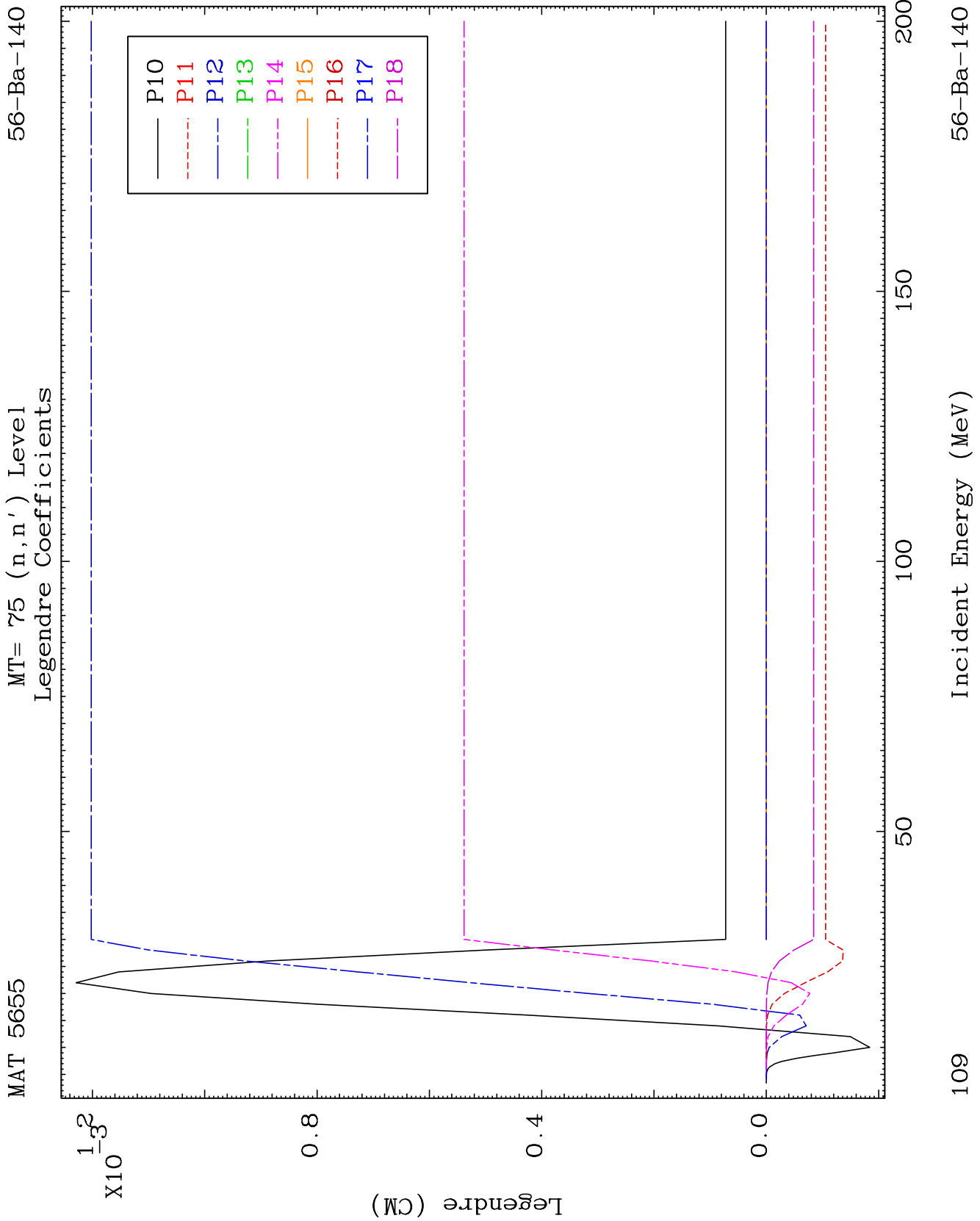


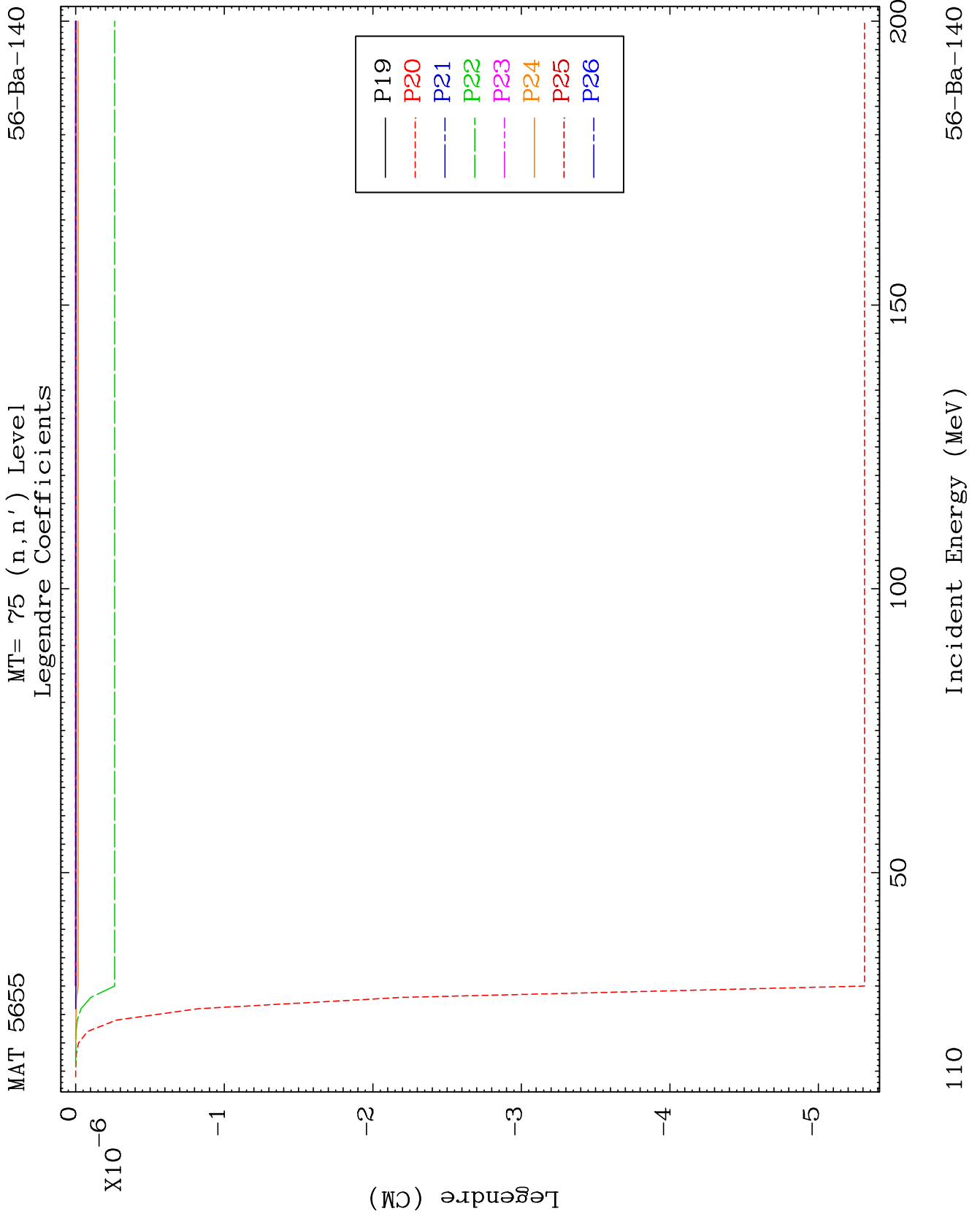
106

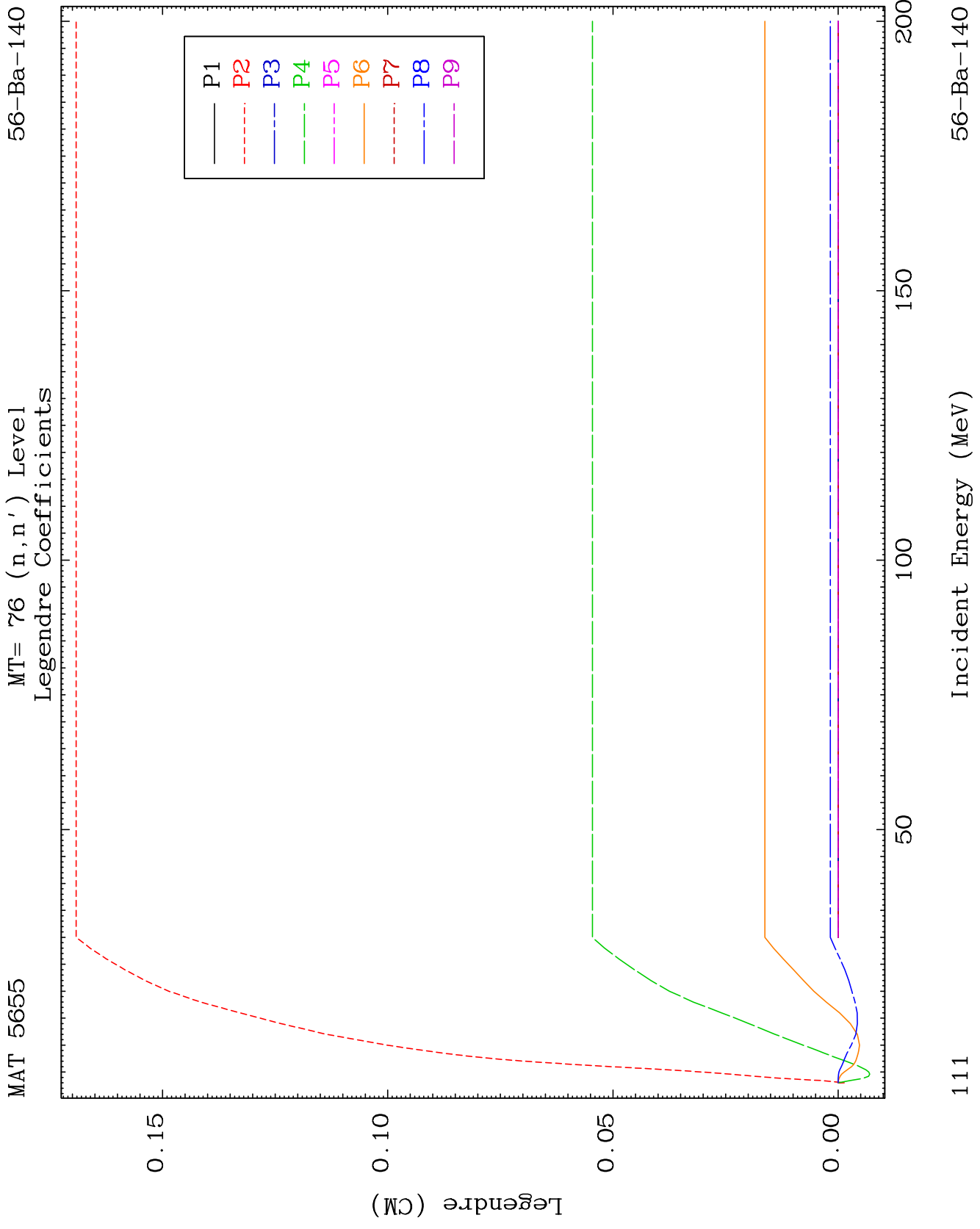
Incident Energy (MeV)

56-Ba-140





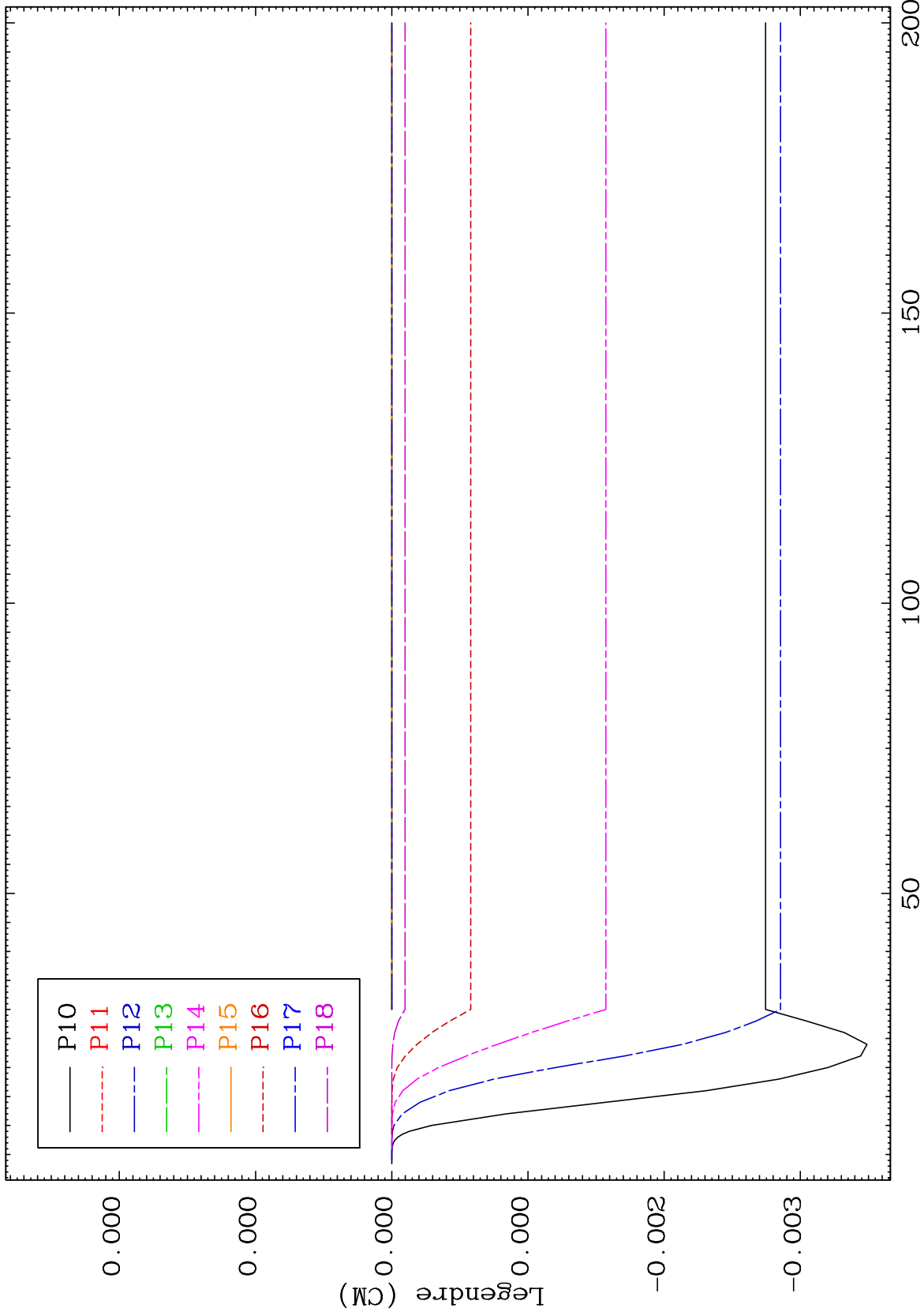




MAT 5655

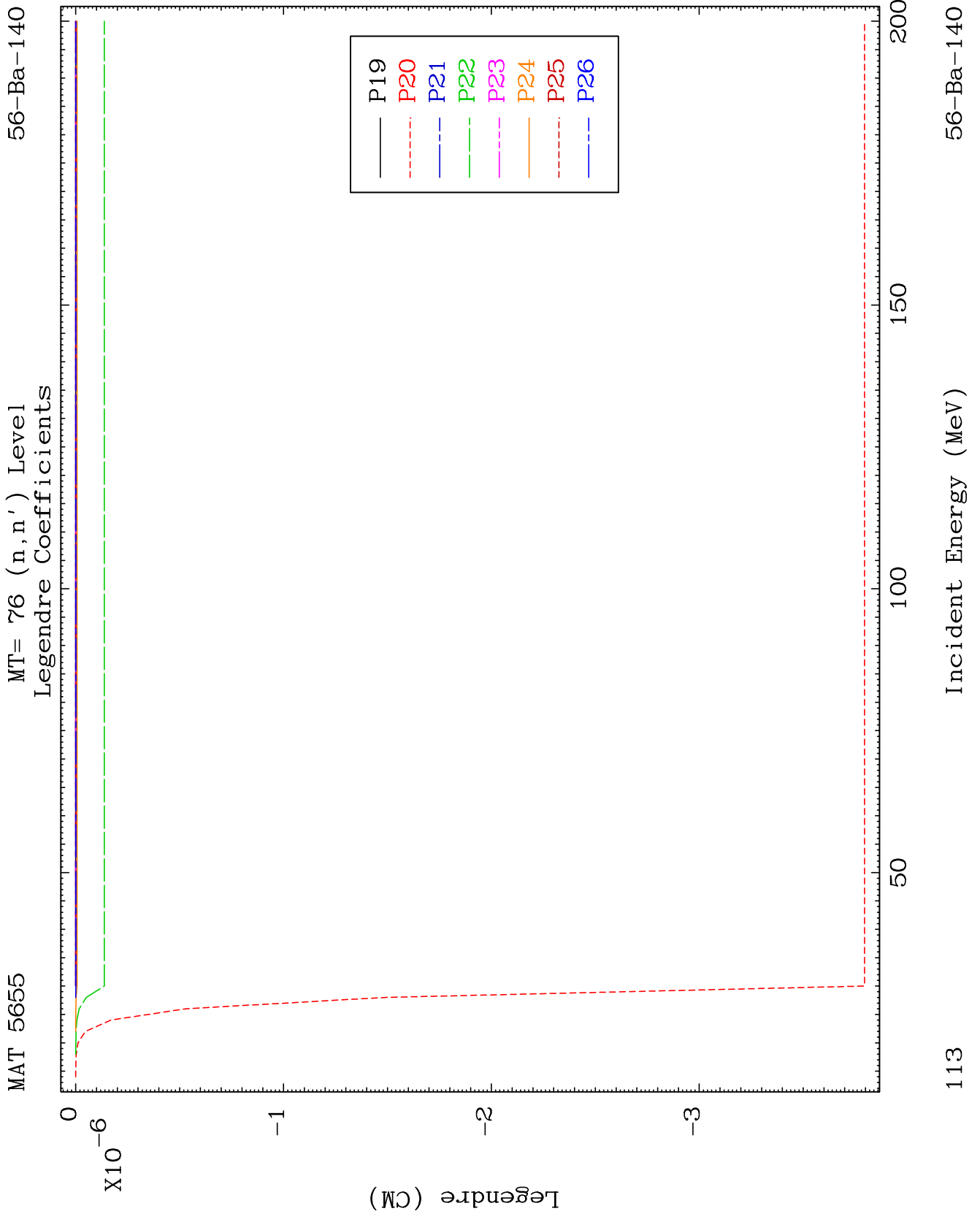
MT= 76 (n,n') Level
Legendre Coefficients

56-Ba-140



112

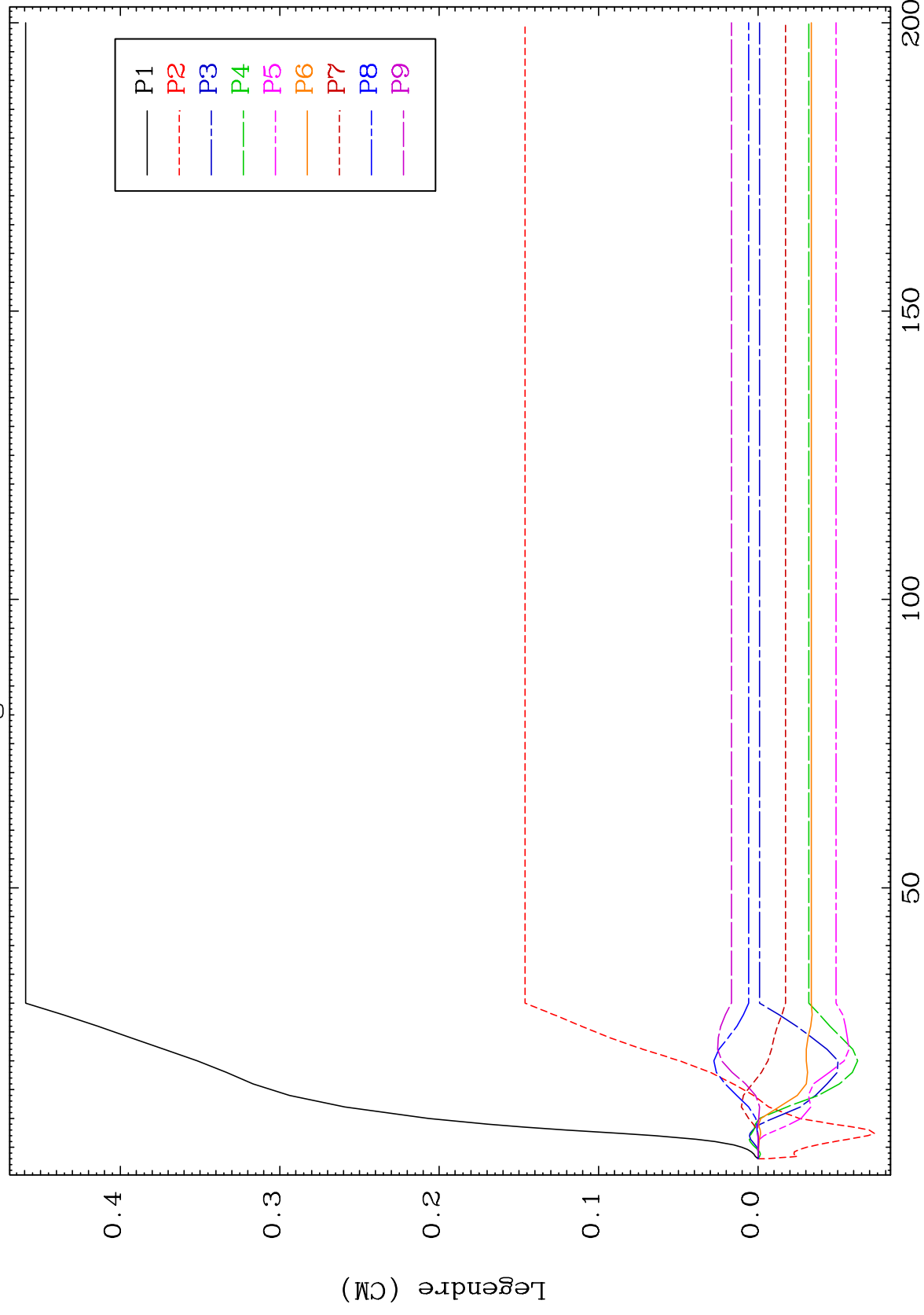
56-Ba-140



MAT 5655

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

56-Ba-140



114

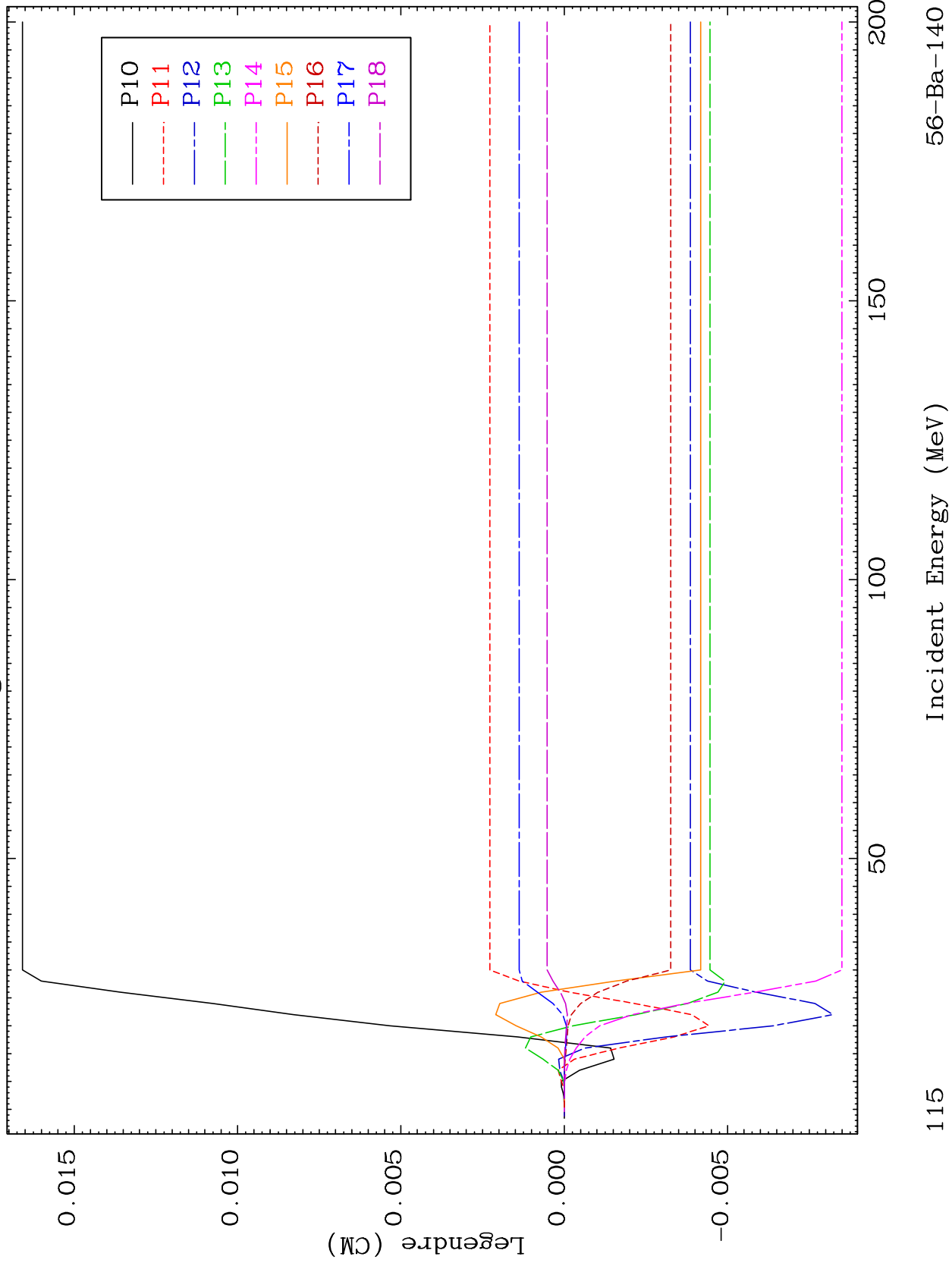
Incident Energy (MeV)

56-Ba-140

MAT 5655

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

56-Ba-140



115

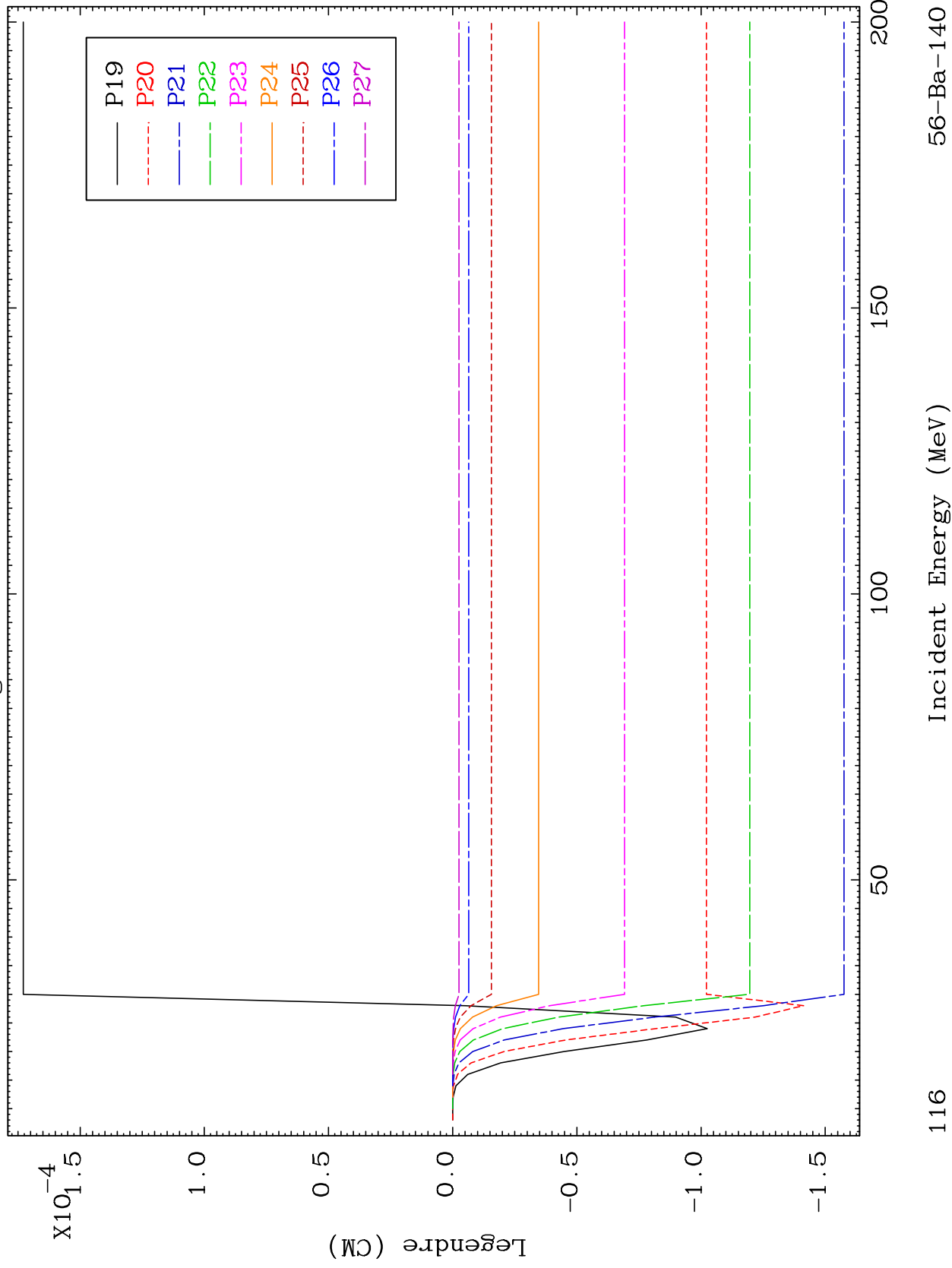
Incident Energy (MeV)

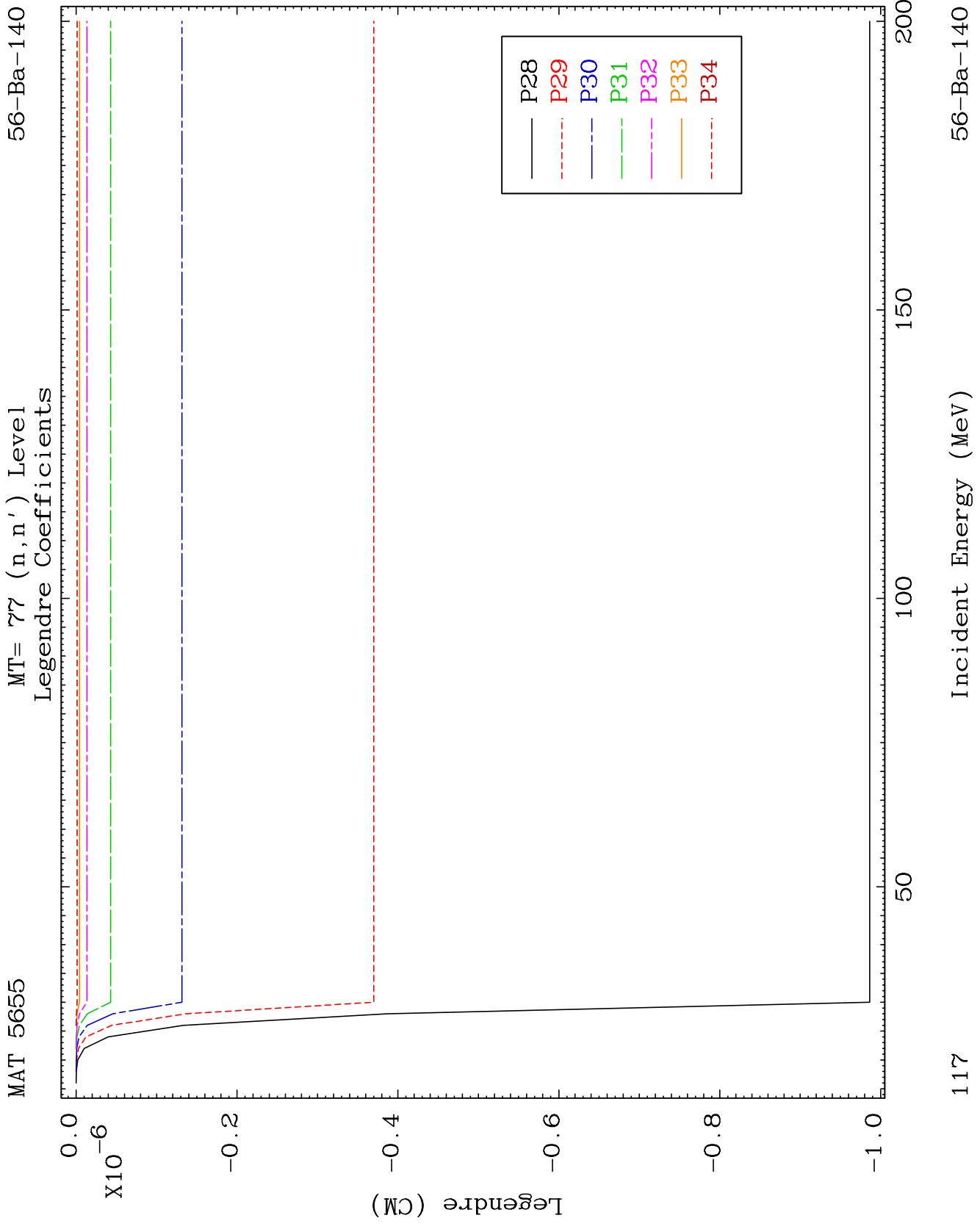
56-Ba-140

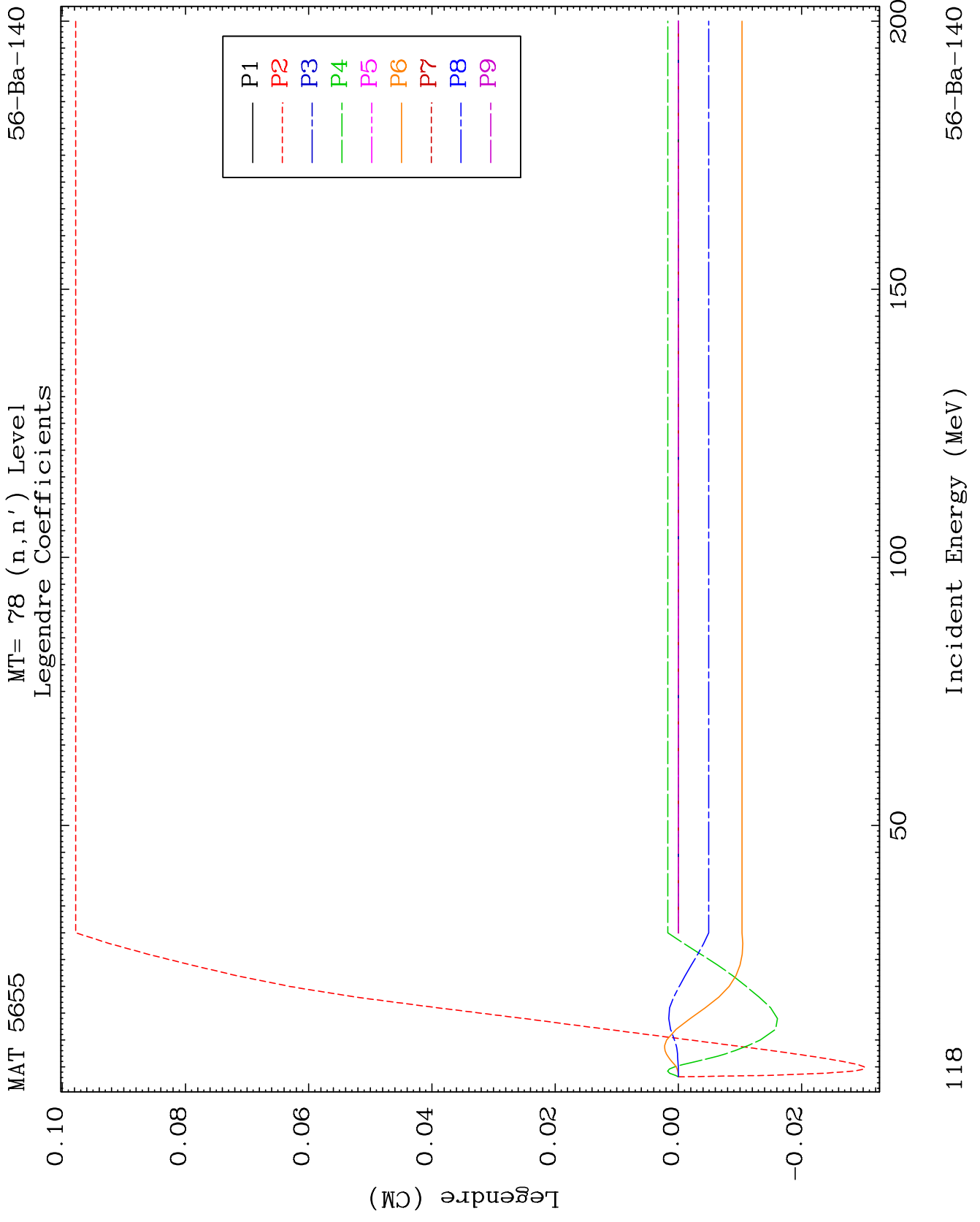
MAT 5655

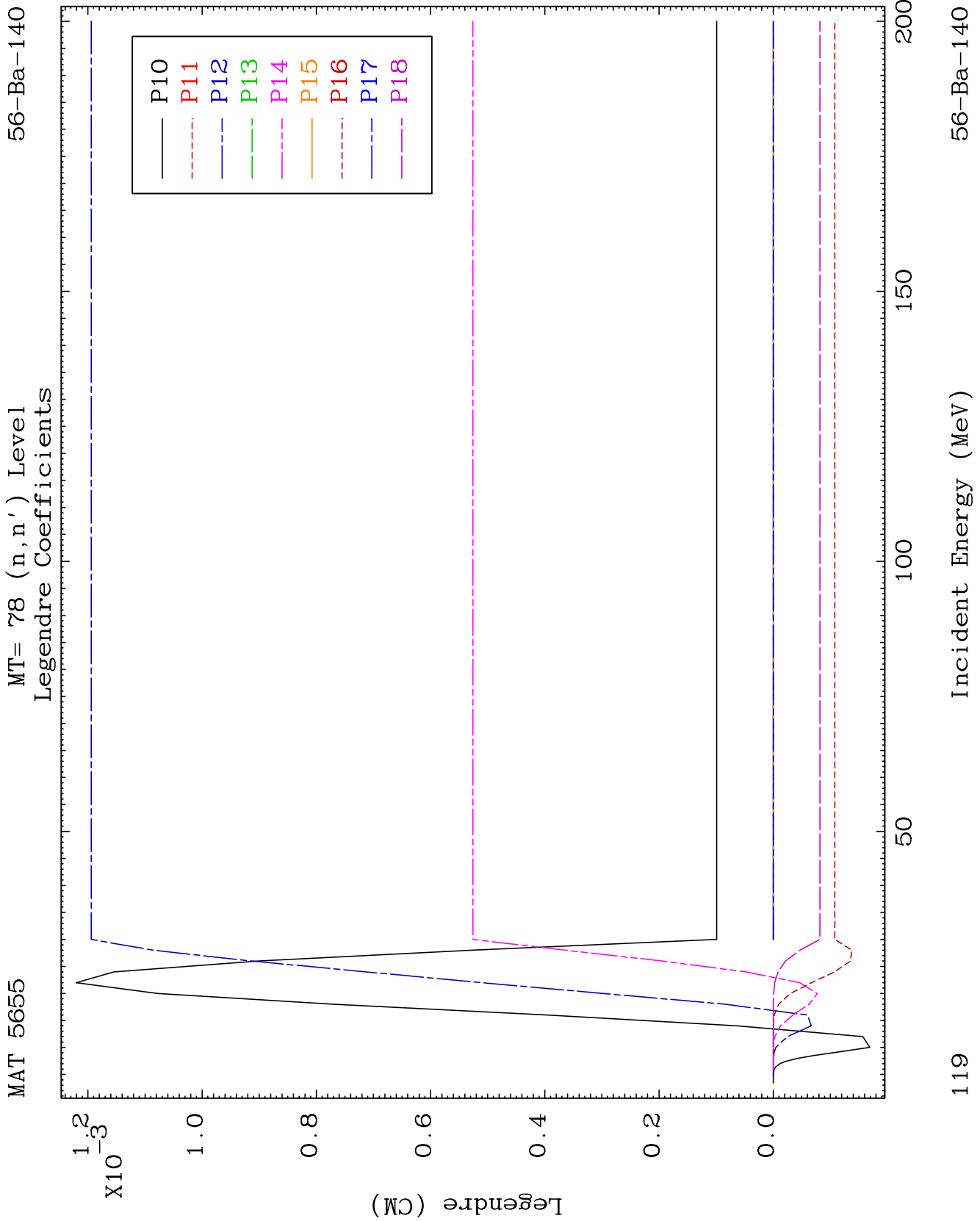
MT= 77 (n,n') Level
Legendre Coefficients

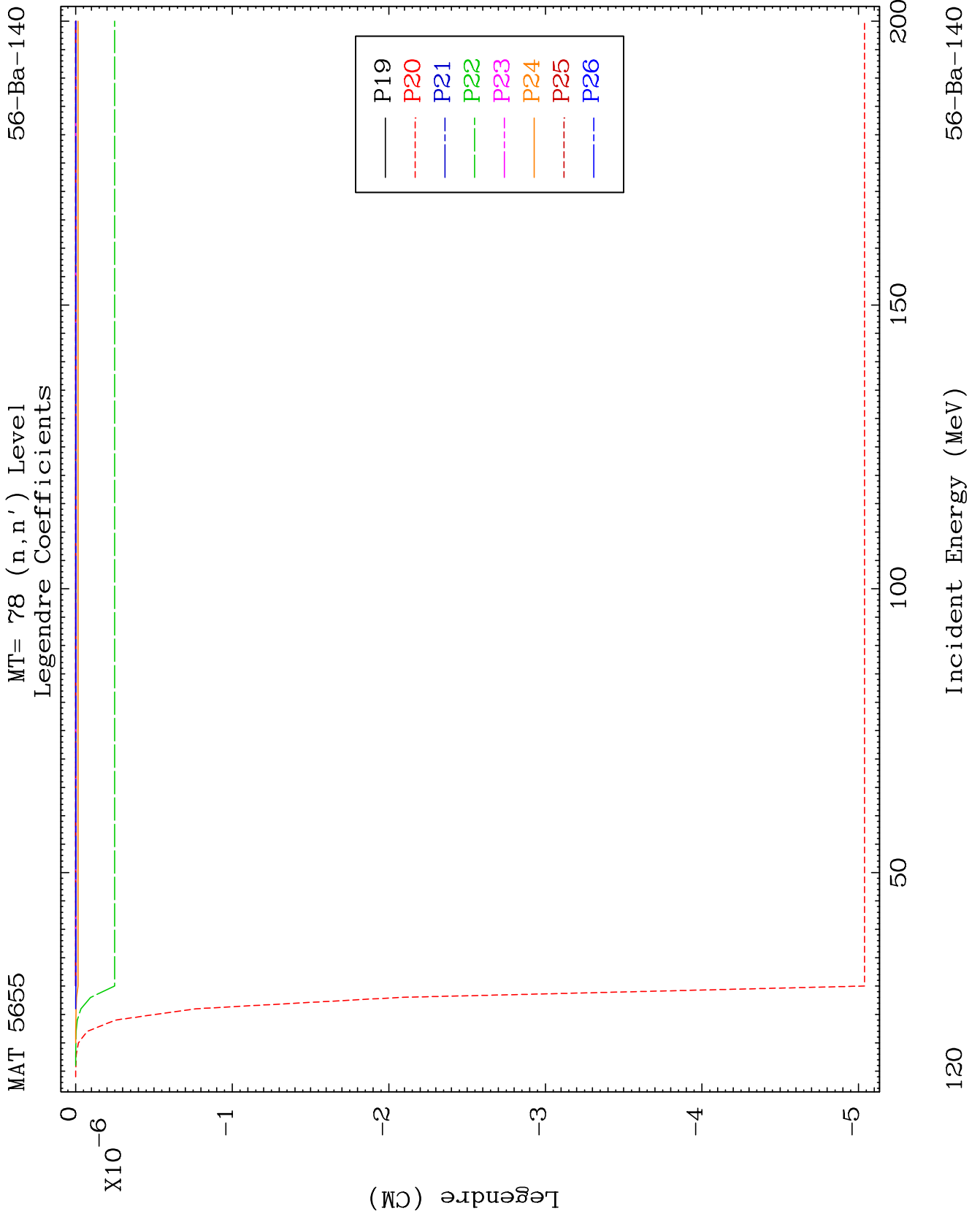
56-Ba-140









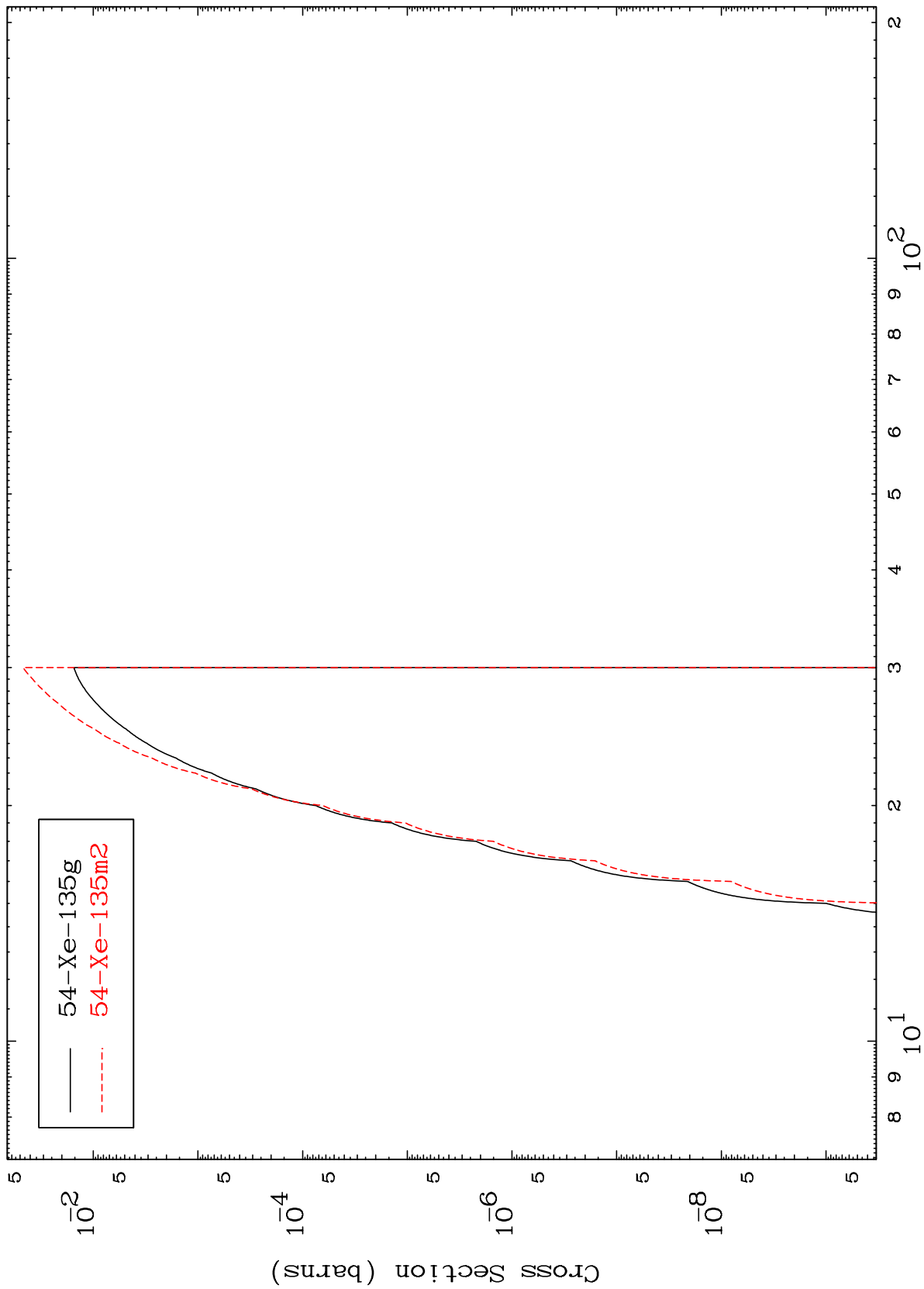


MAT 5655

(n,2n) α

56-Ba-140

Radionuclide Production Cross Section



121

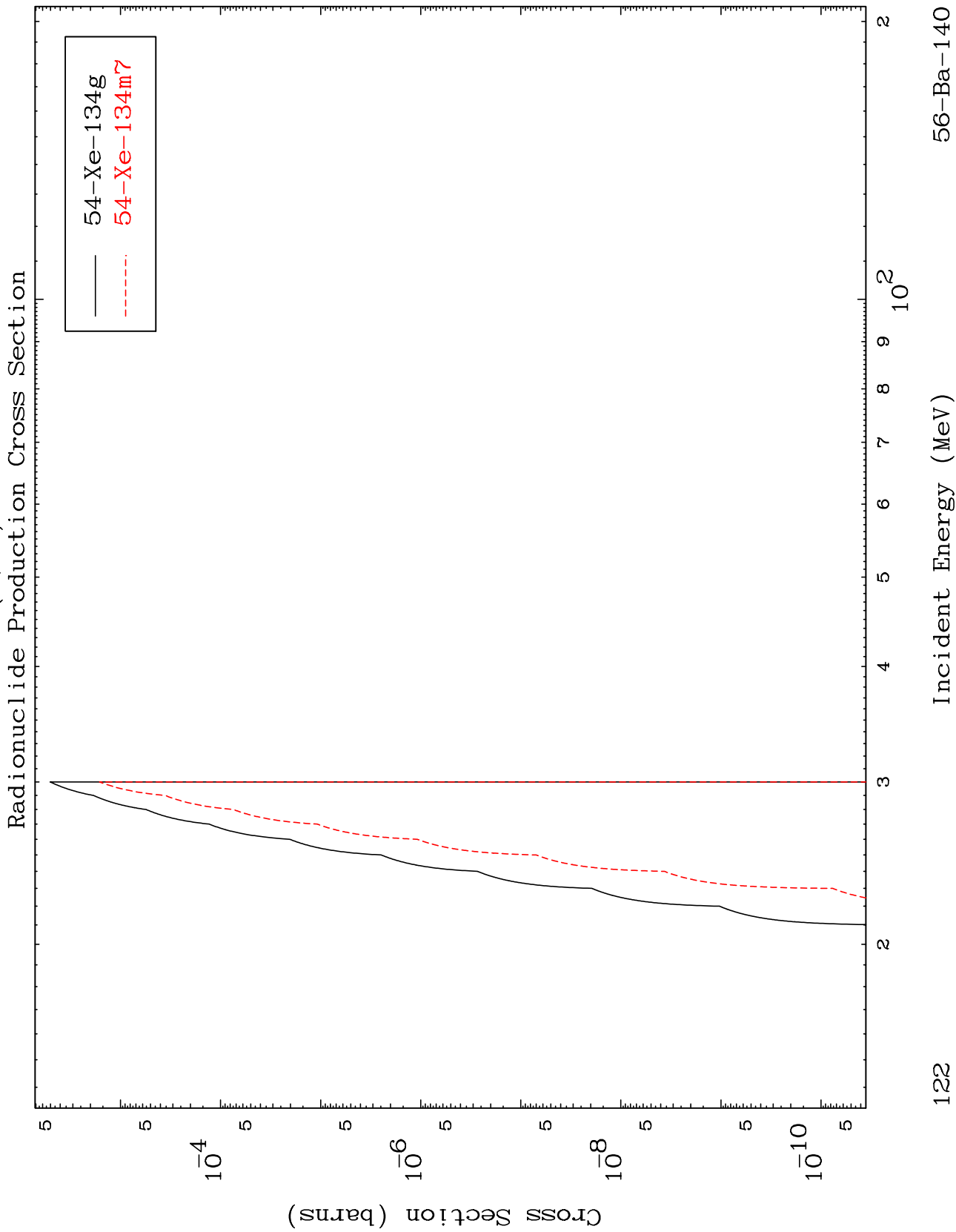
Incident Energy (MeV)

56-Ba-140

MAT 5655

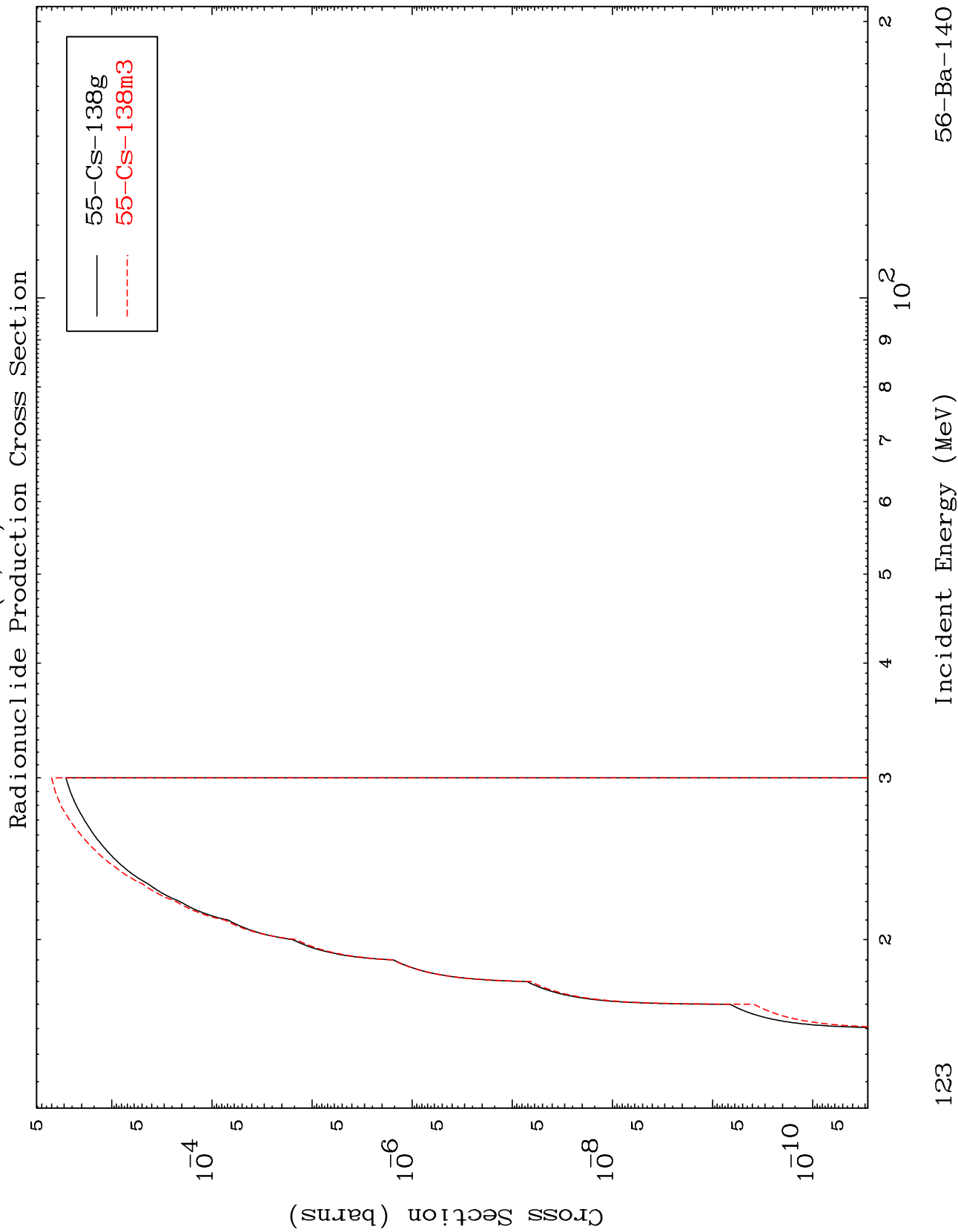
(n,3n) α

56-Ba-140



122

56-Ba-140

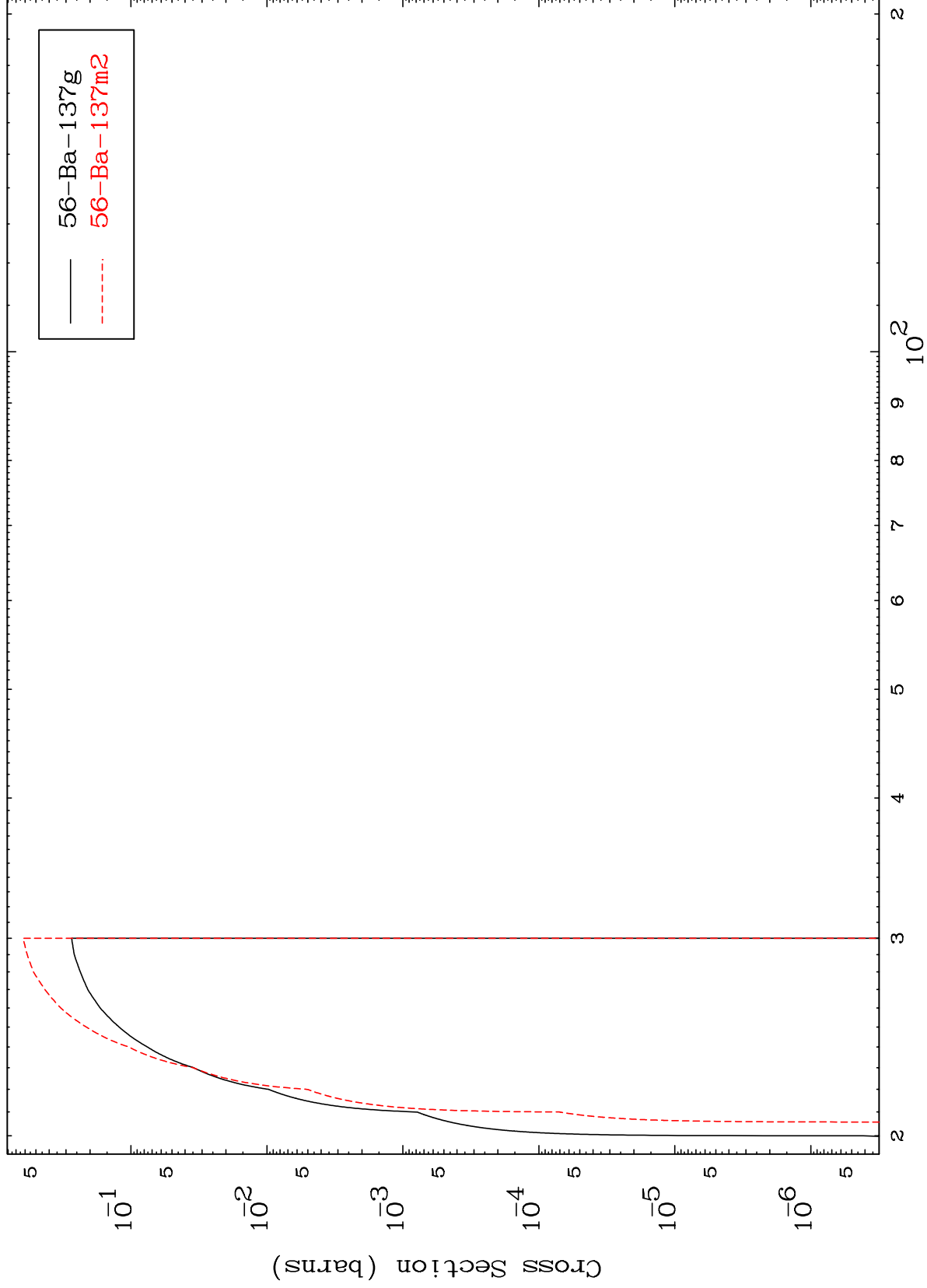


MAT 5655

(n,4n)

56-Ba-140

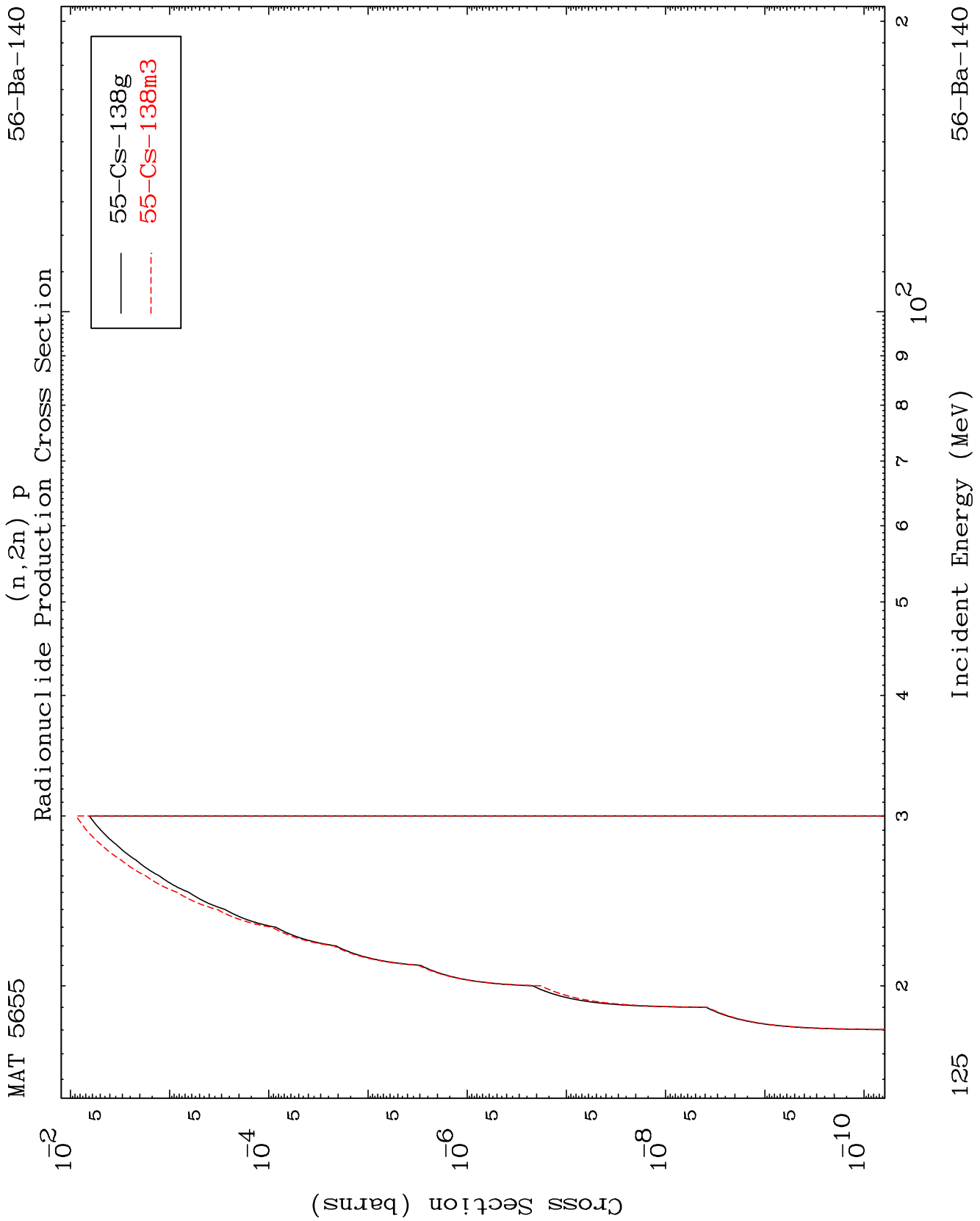
Radionuclide Production Cross Section



124

Incident Energy (MeV)

56-Ba-140

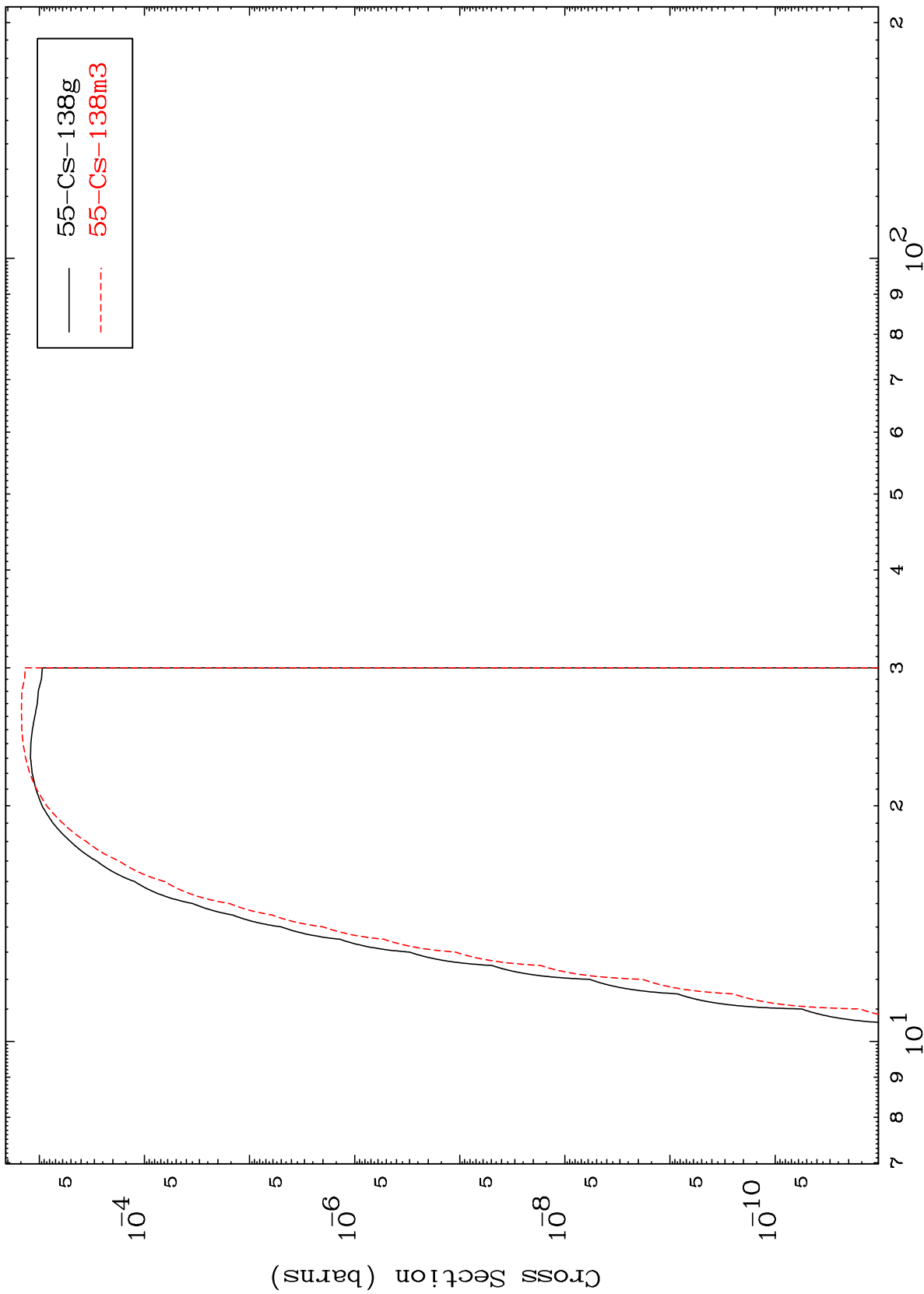


125

MAT 5655

56-Ba-140

(n,t)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

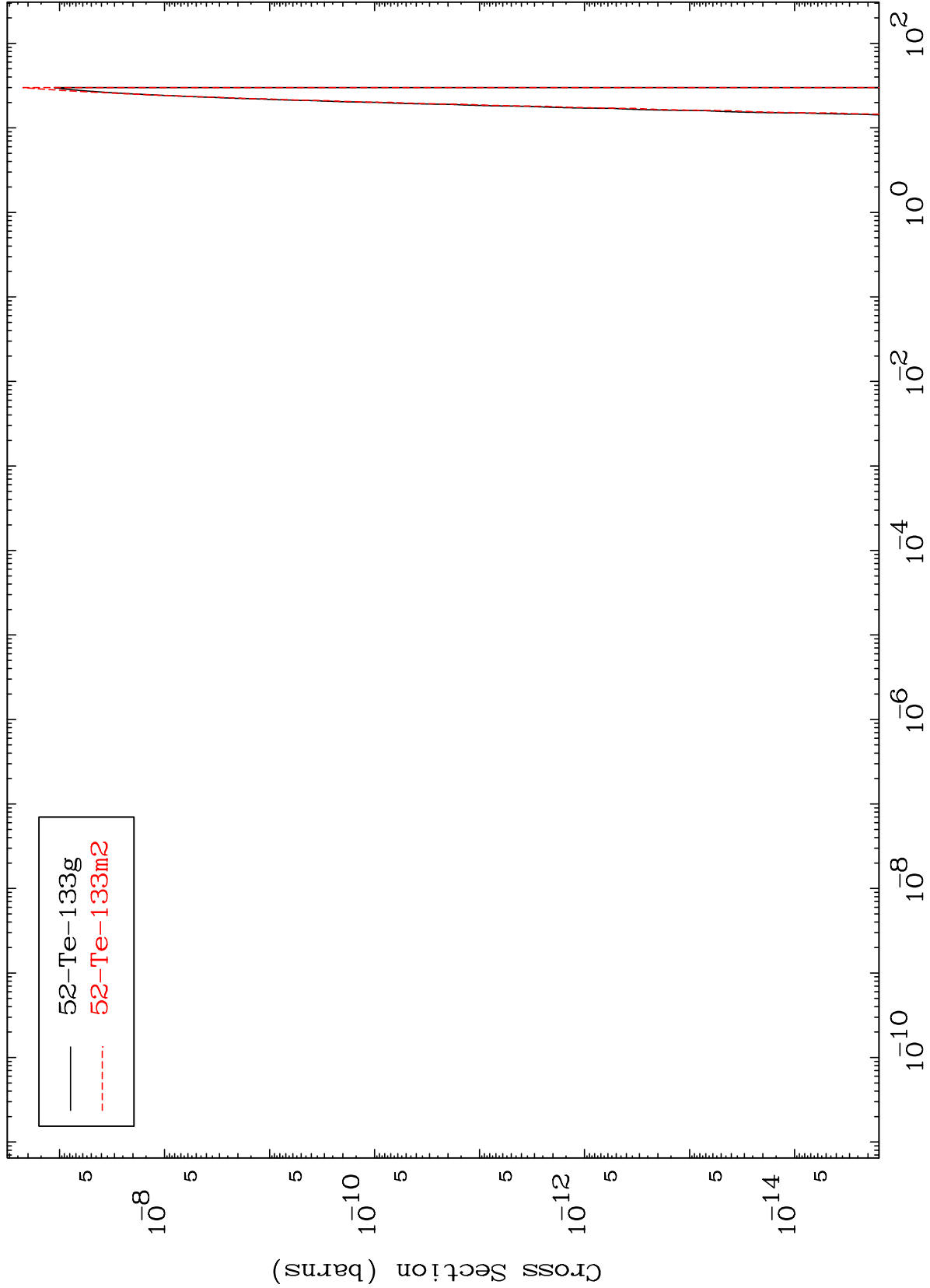
56-Ba-140

MAT 5655

(n,2α)

56-Ba-140

Radionuclide Production Cross Section

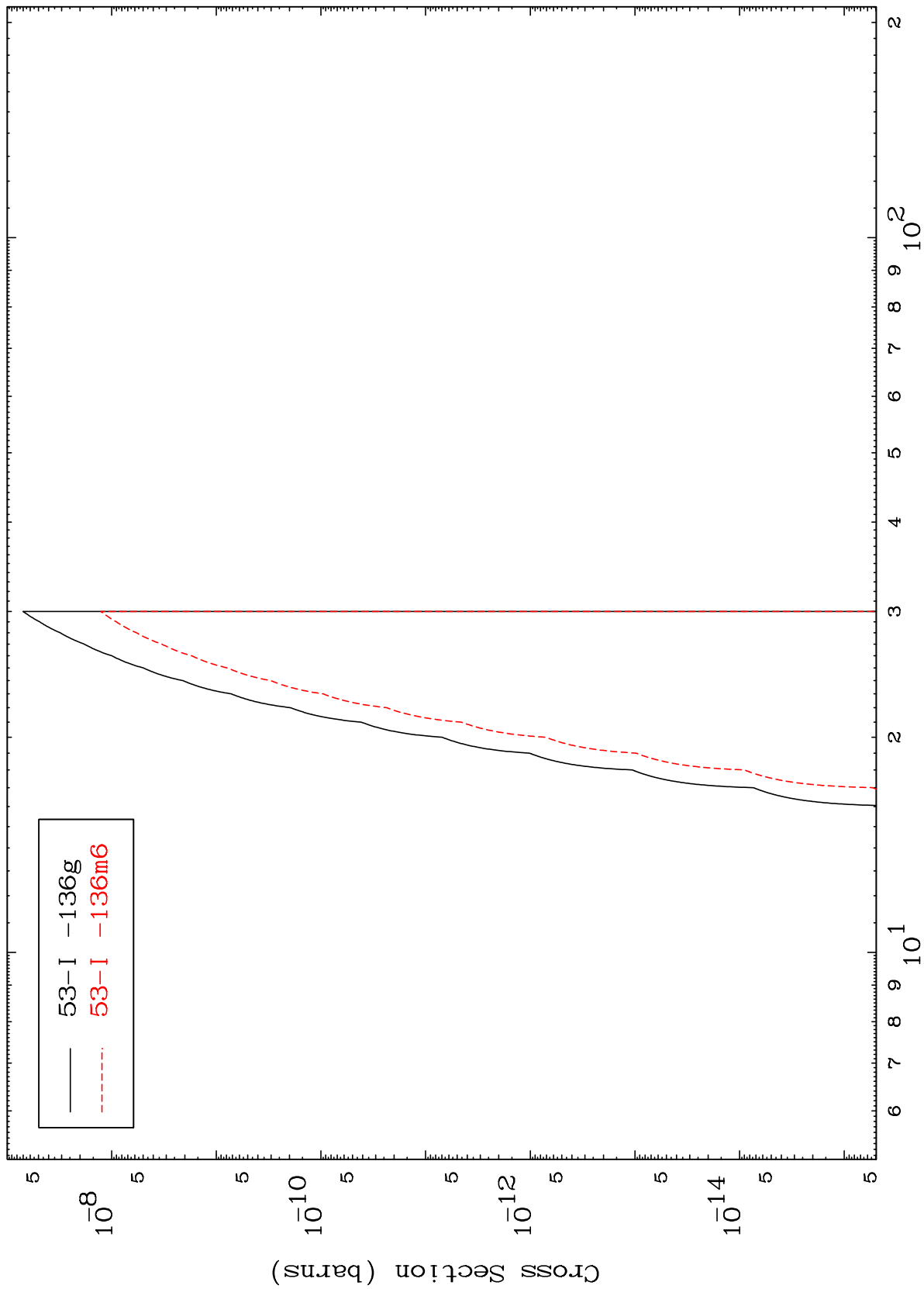


MAT 5655

(n,p) α

56-Ba-140

Radionuclide Production Cross Section



128

Incident Energy (MeV)

56-Ba-140