

Program EVALPLOT
(Version 2015-2)

by

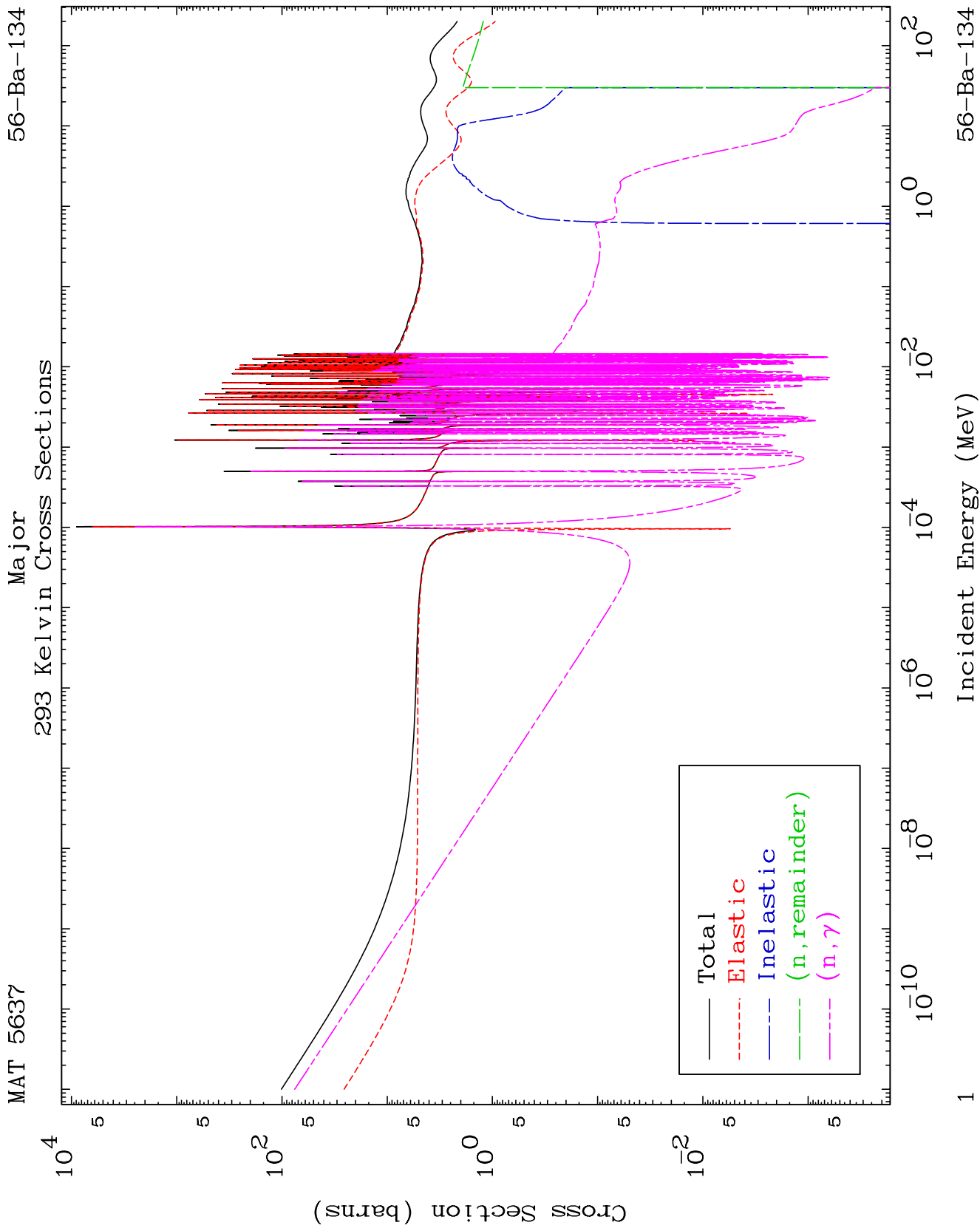
Dermott E. Cullen
(Present Contact Information)

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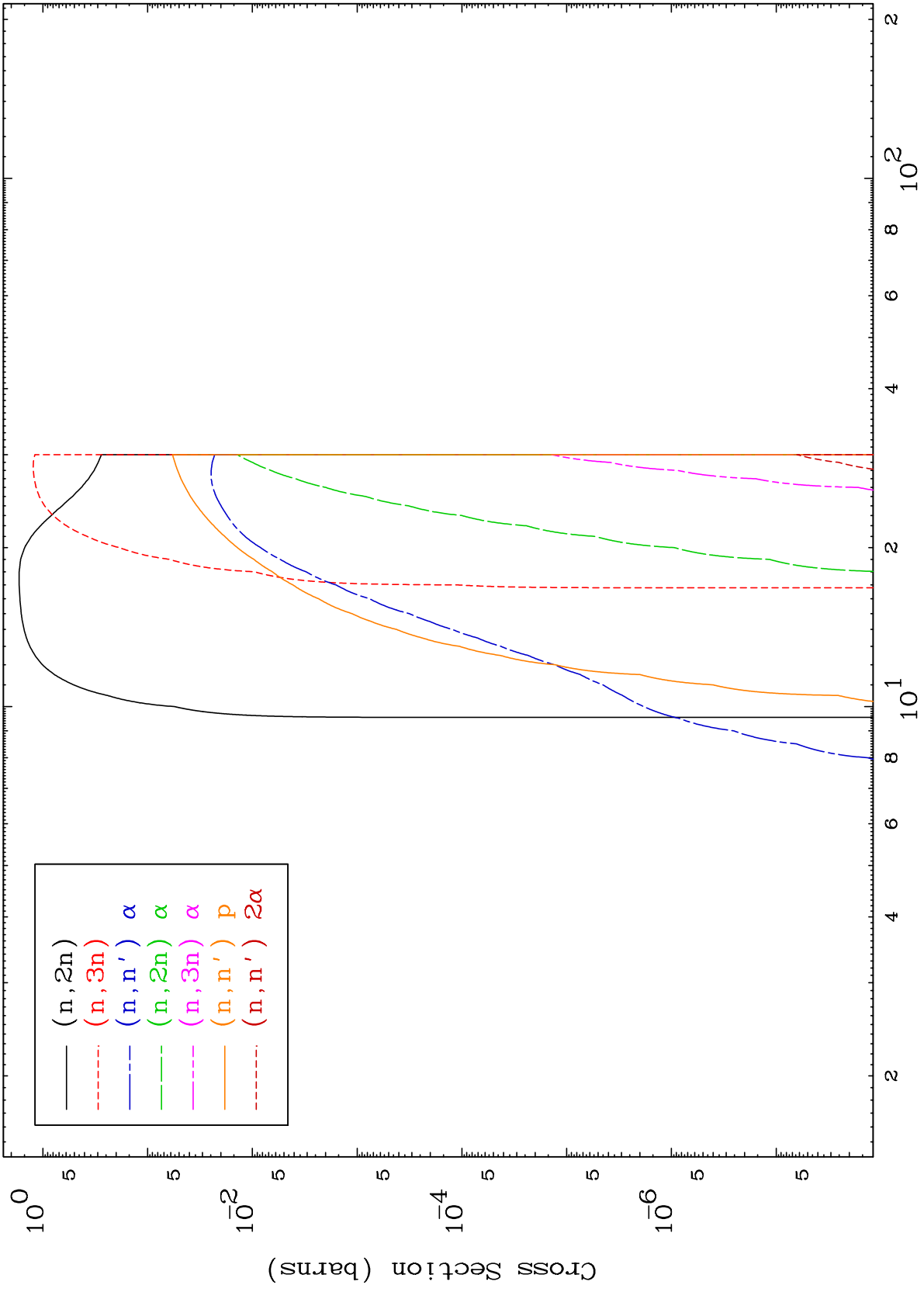
Press Mouse Button to Start

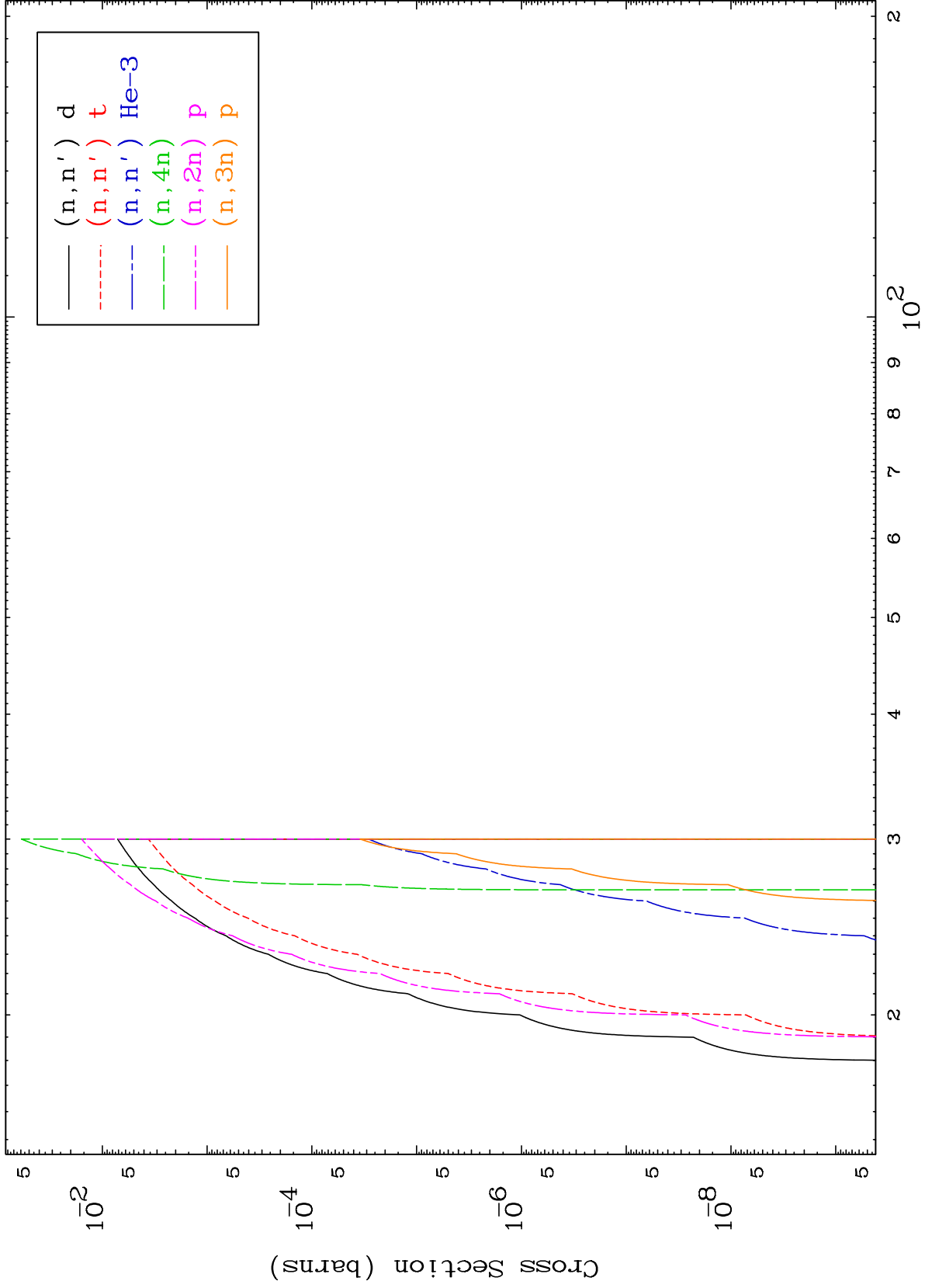


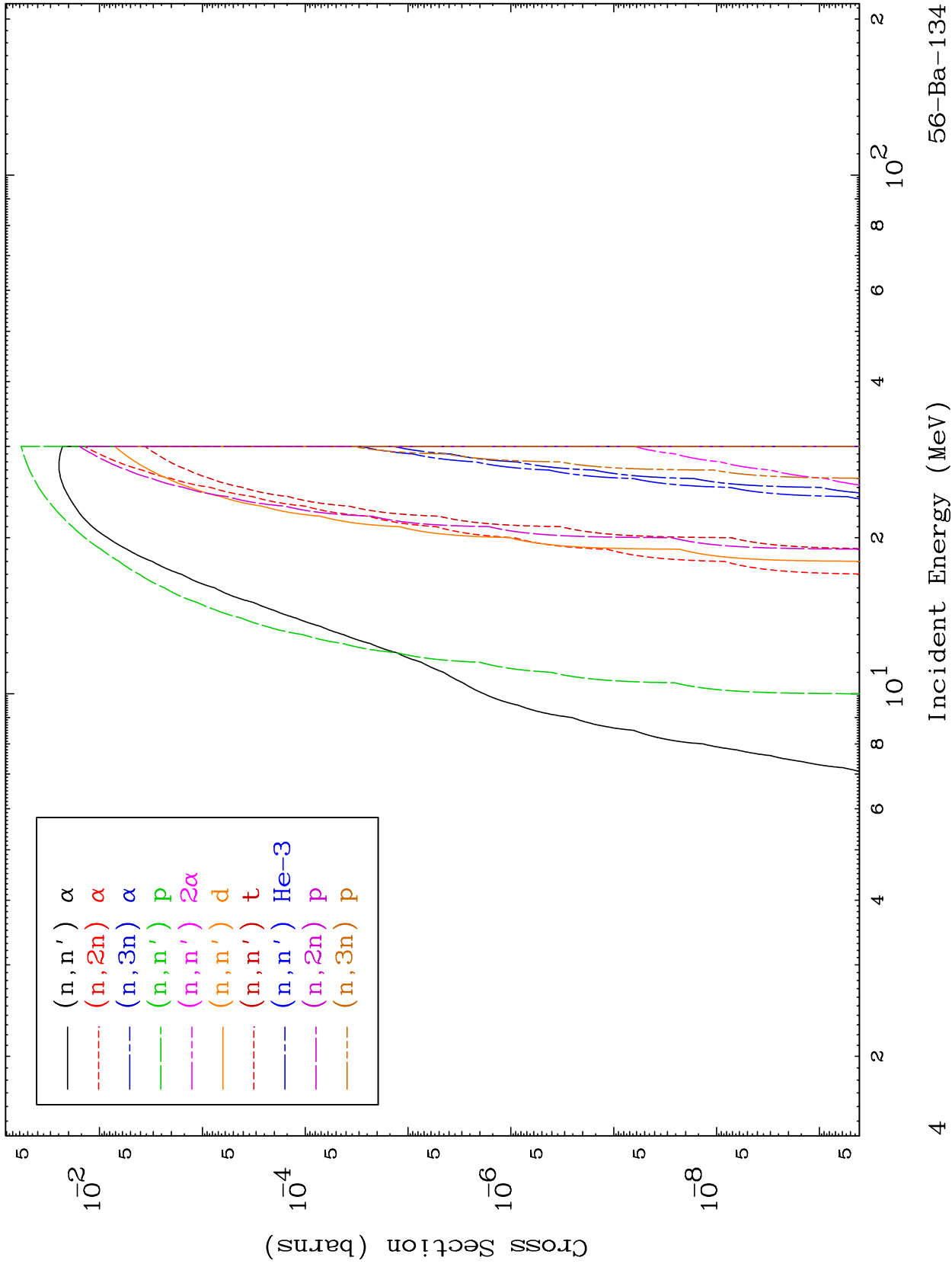
MAT 5637

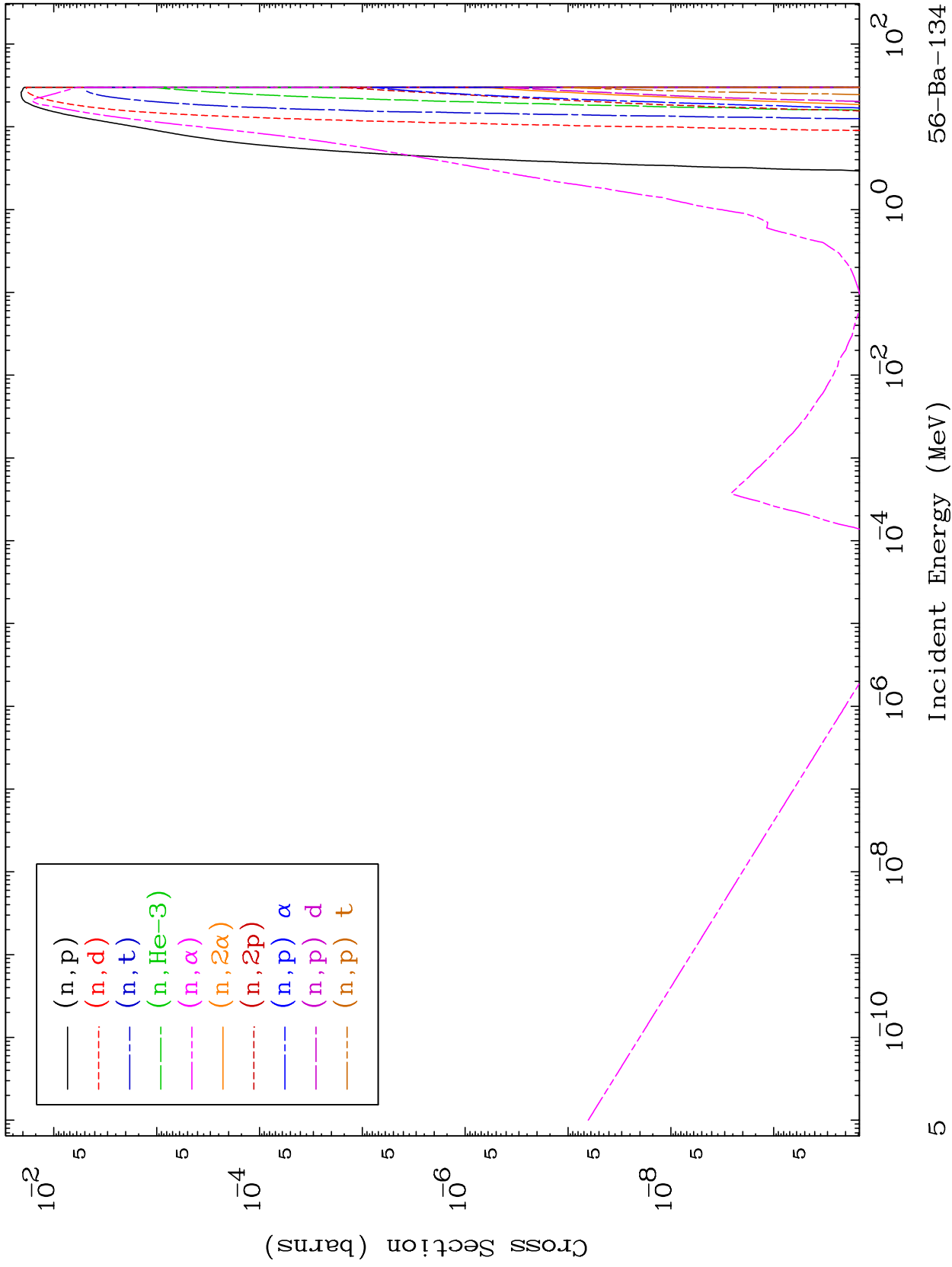
Neutron Production
293 Kelvin Cross Sections

56-Ba-134





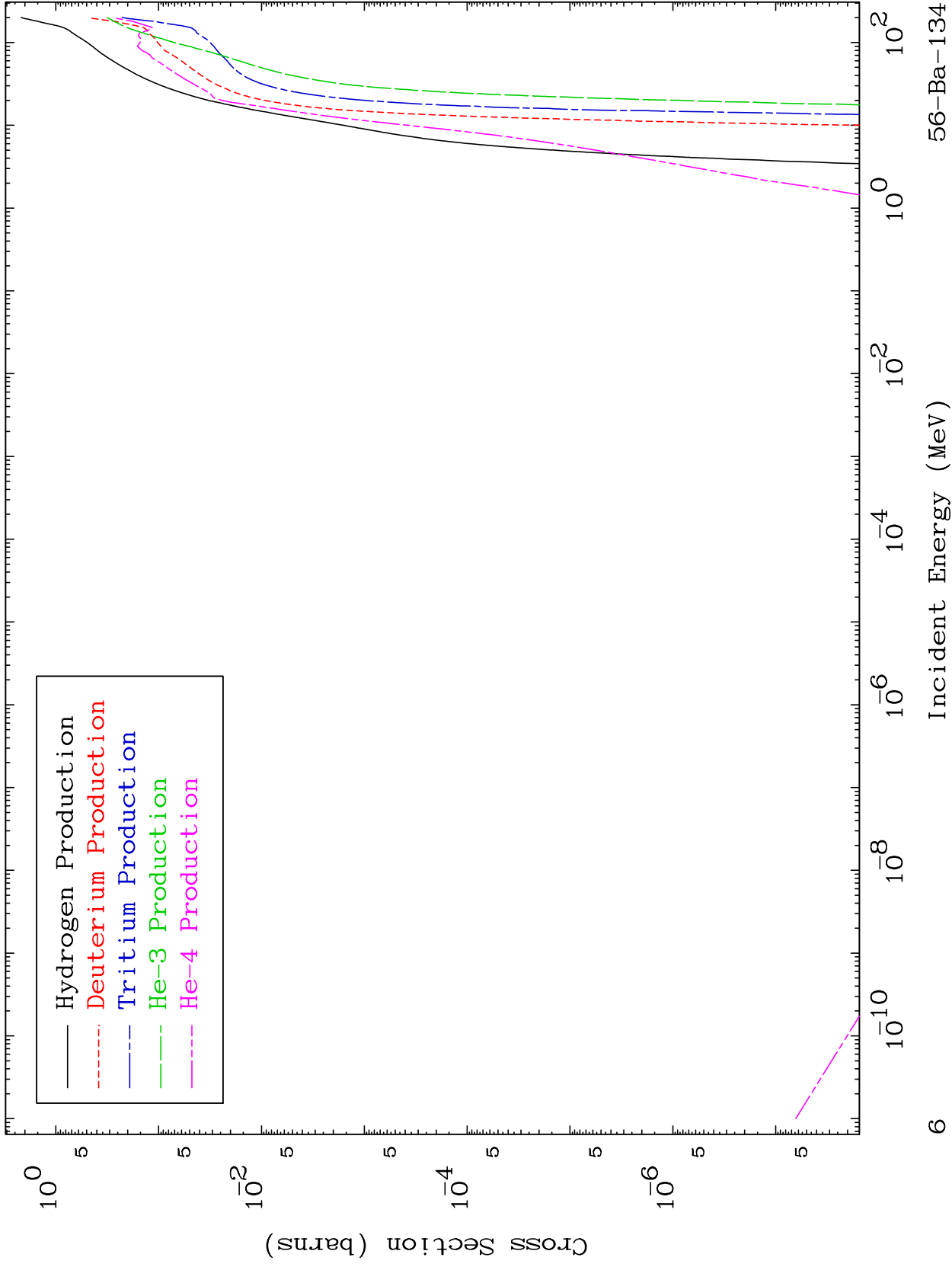




MAT 5637

Particle Production
293 Kelvin Cross Sections

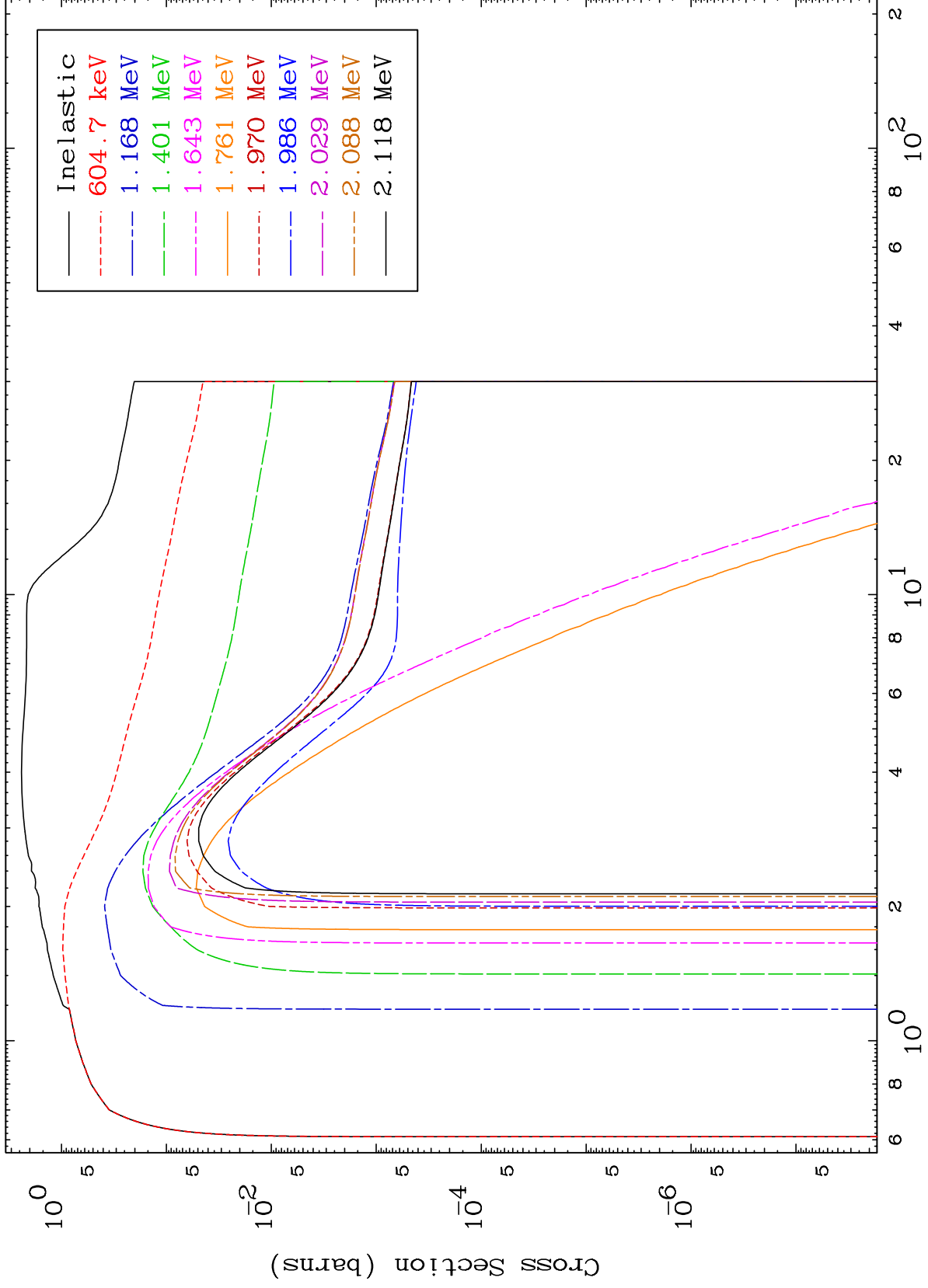
56-Ba-134



MAT 5637

(n,n') Level
293 Kelvin Cross Sections

56-Ba-134



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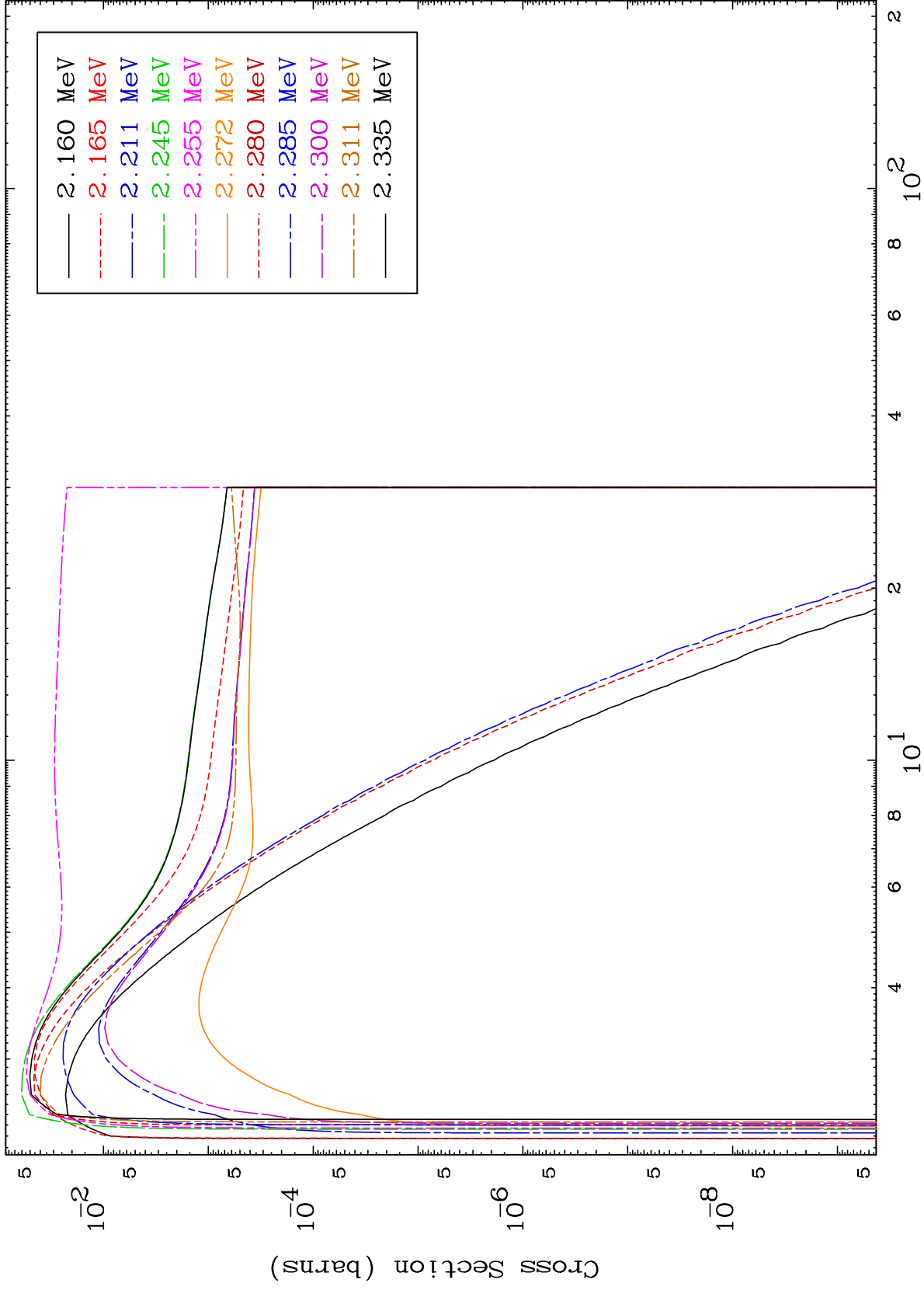
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,n') Level
293 Kelvin Cross Sections

56-Ba-134

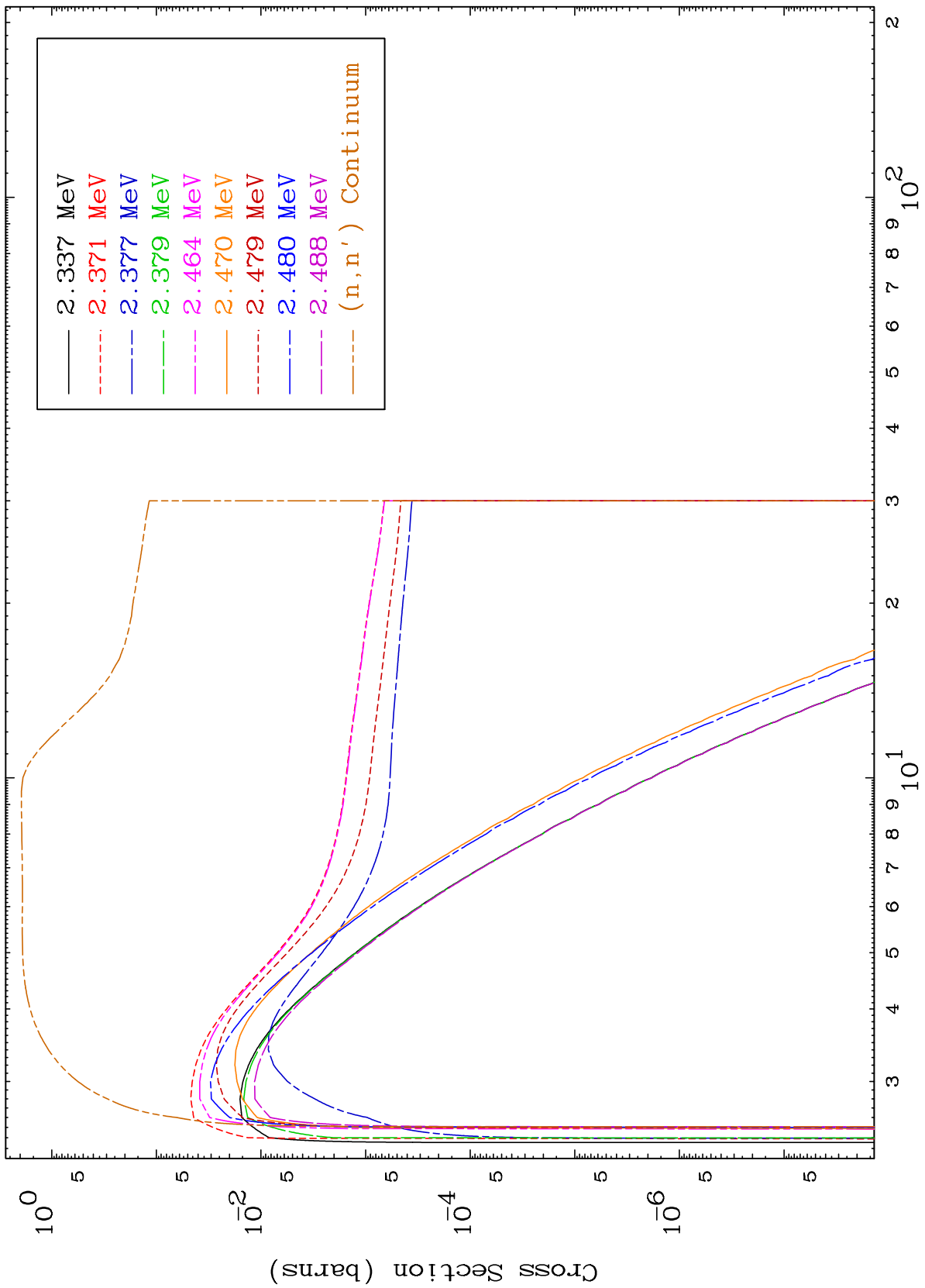


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Incident Energy (MeV)

56-Ba-134

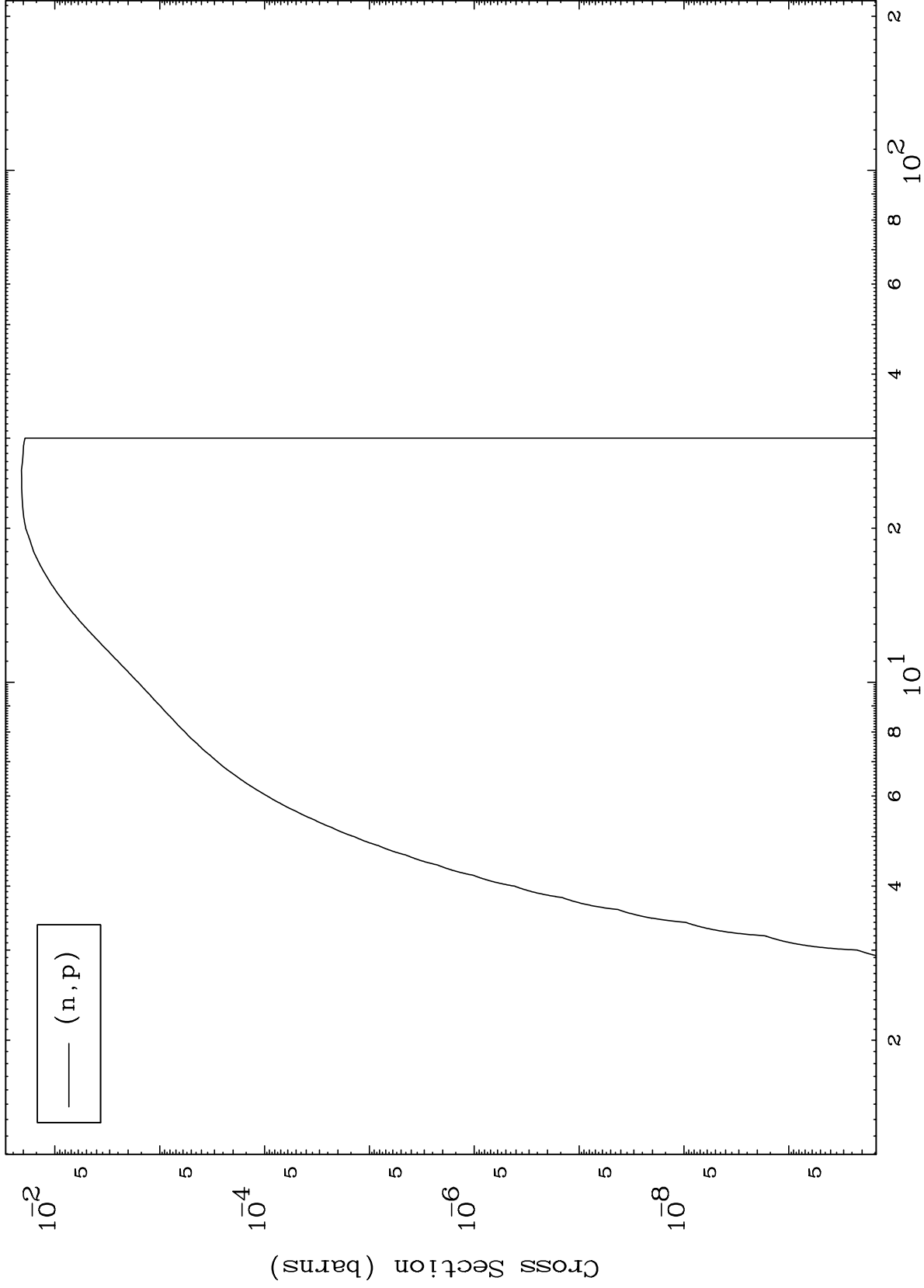
293 Kelvin Cross Sections



MAT 5637

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-134



10

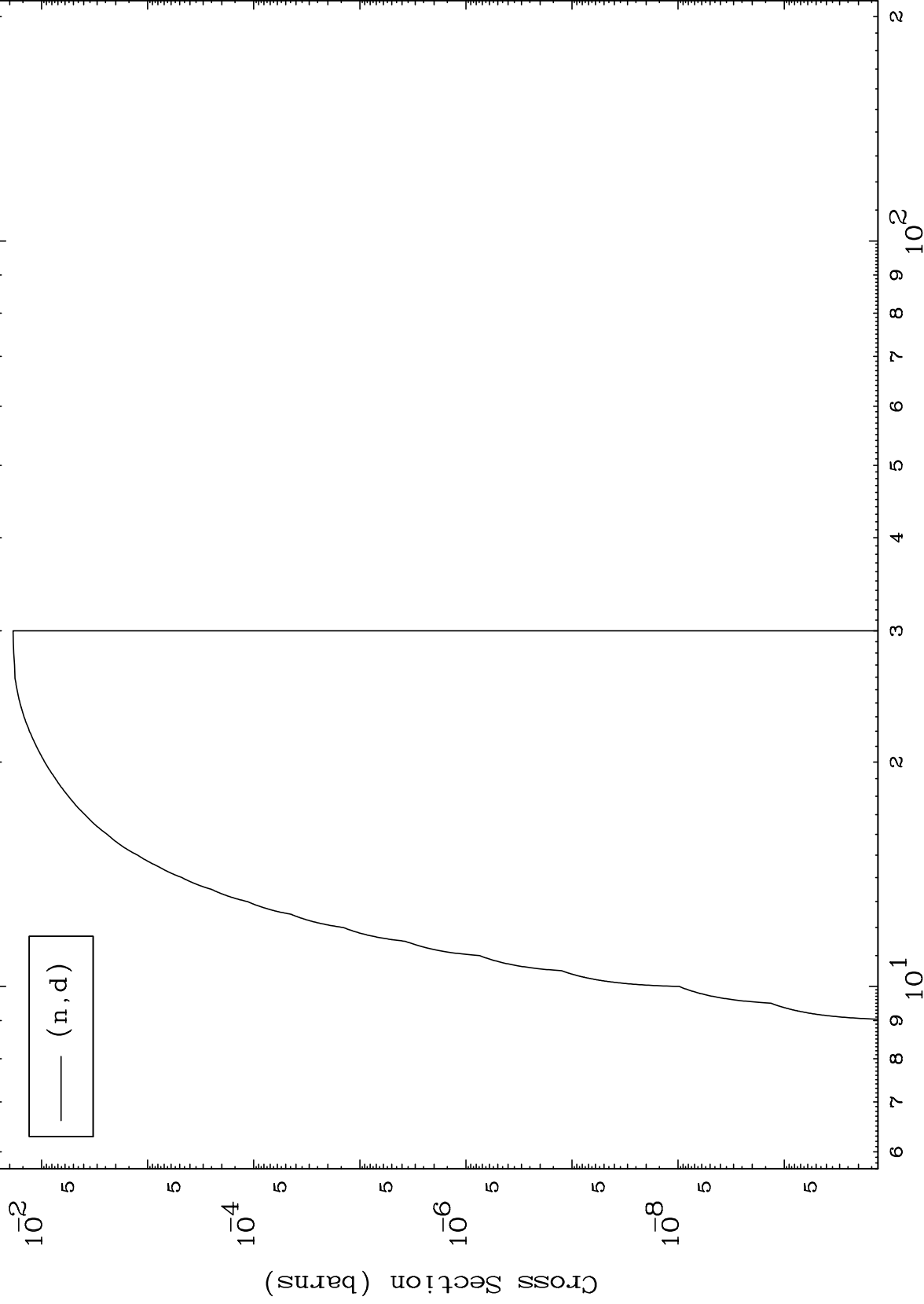
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-134



11

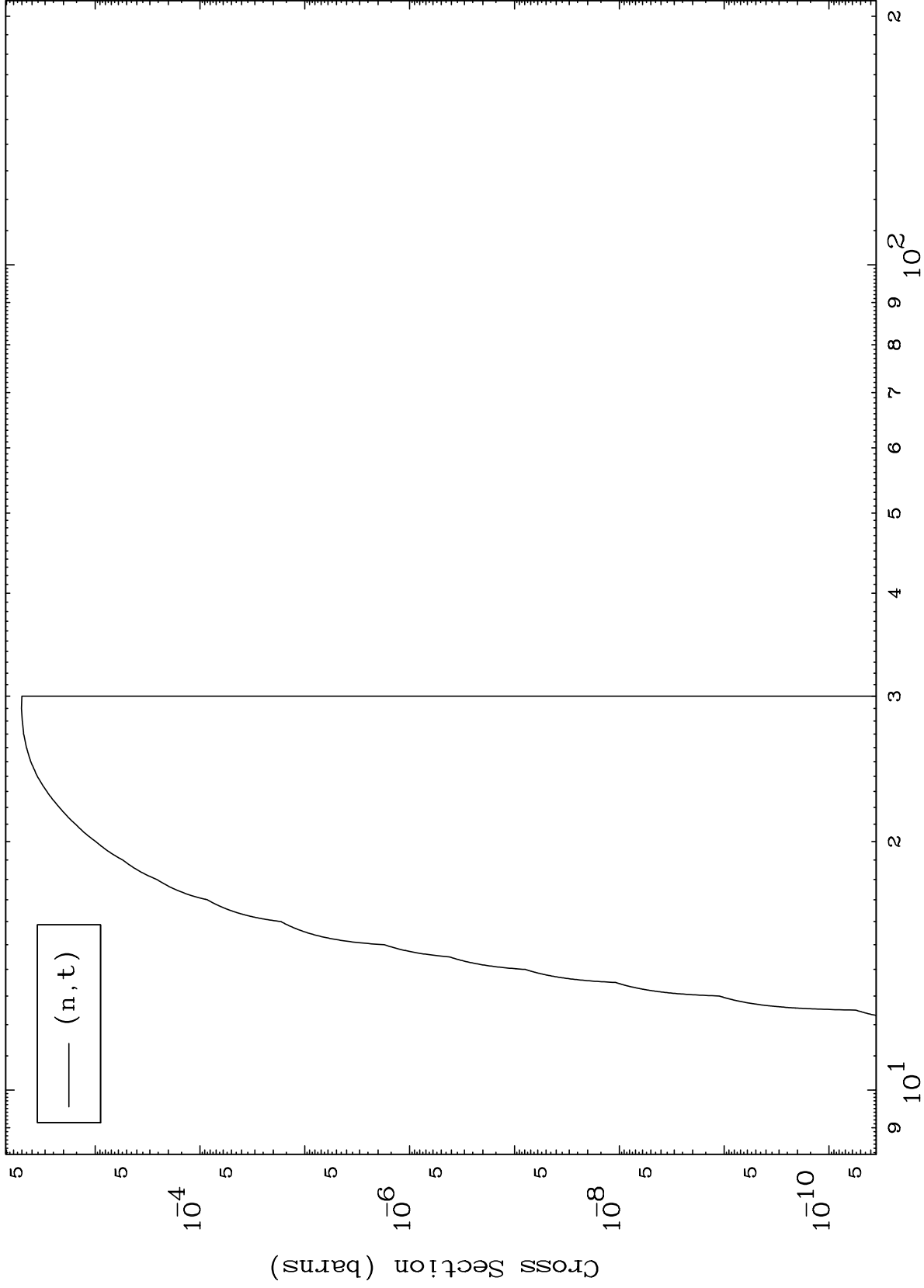
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-134



12

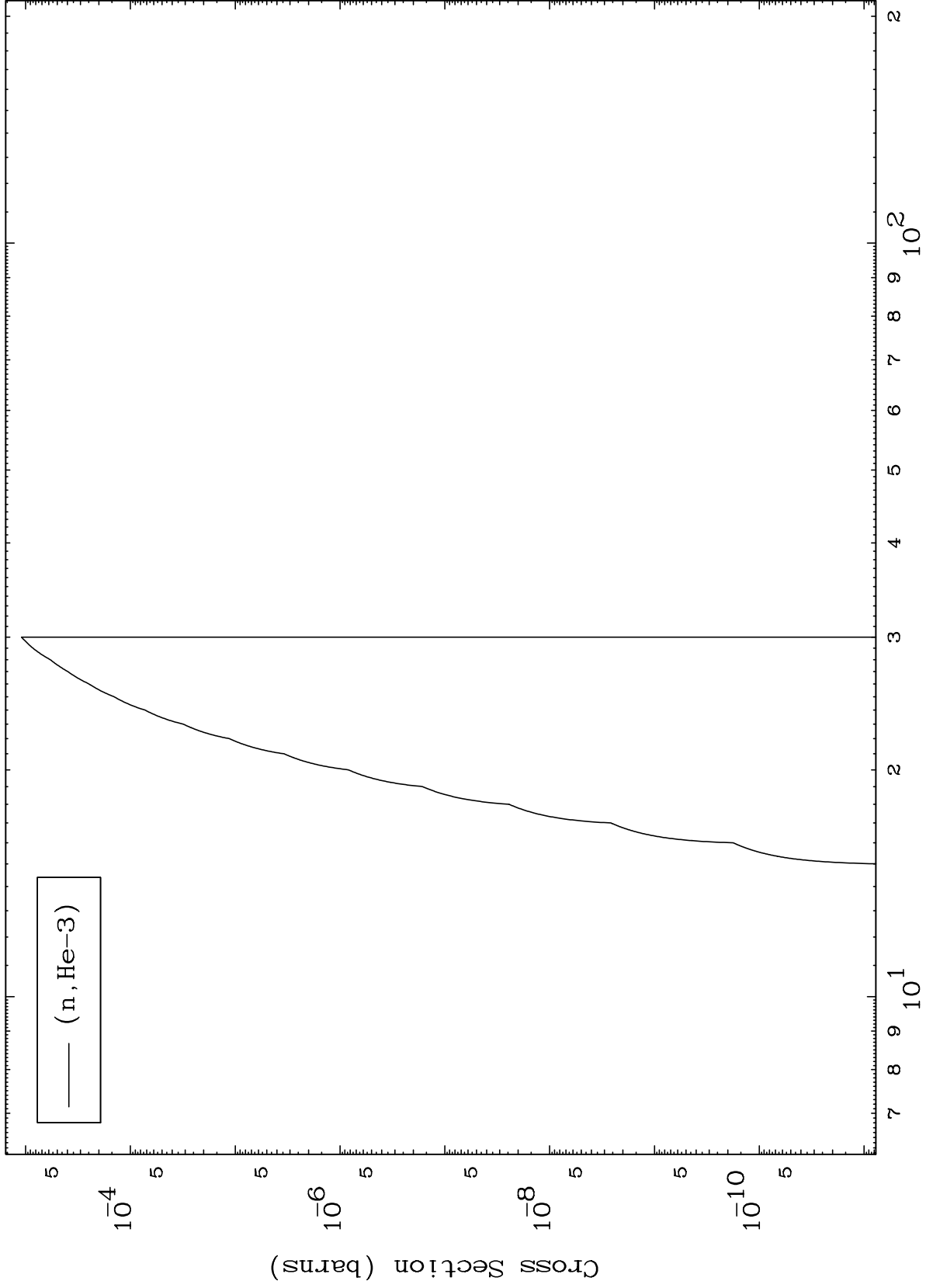
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-134



13

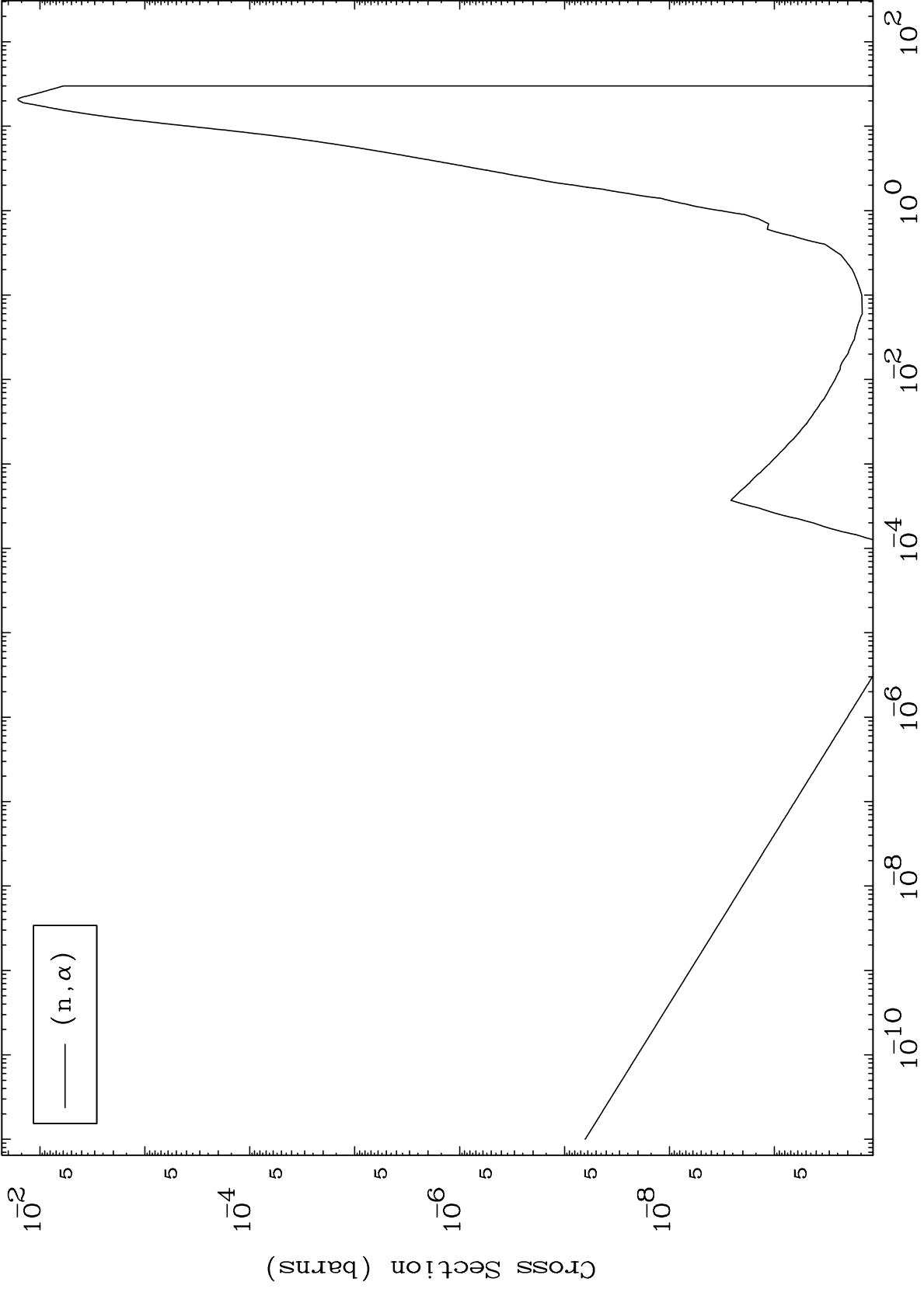
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n, α) Levels
293 Kelvin Cross Sections

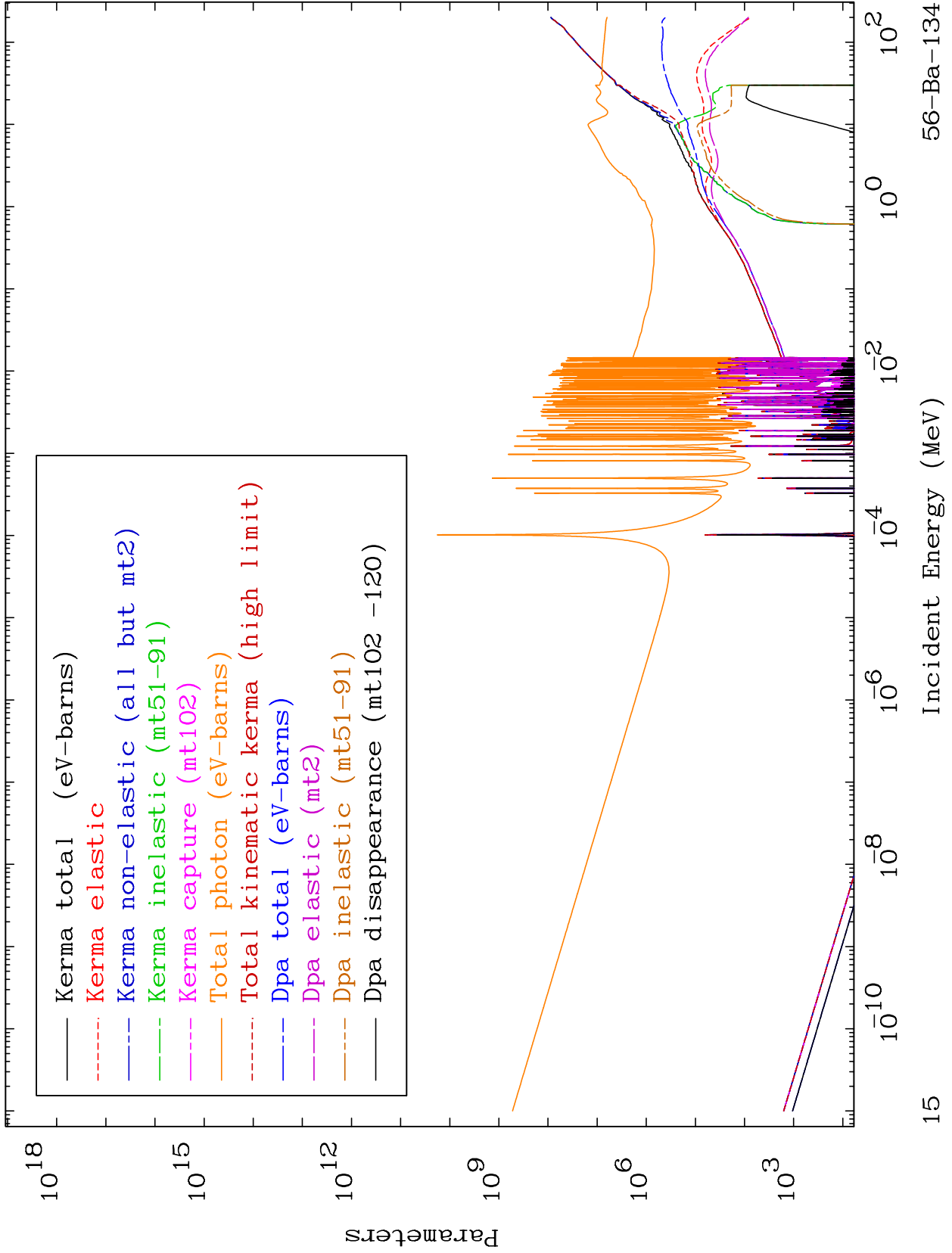
56-Ba-134



14

Incident Energy (MeV)

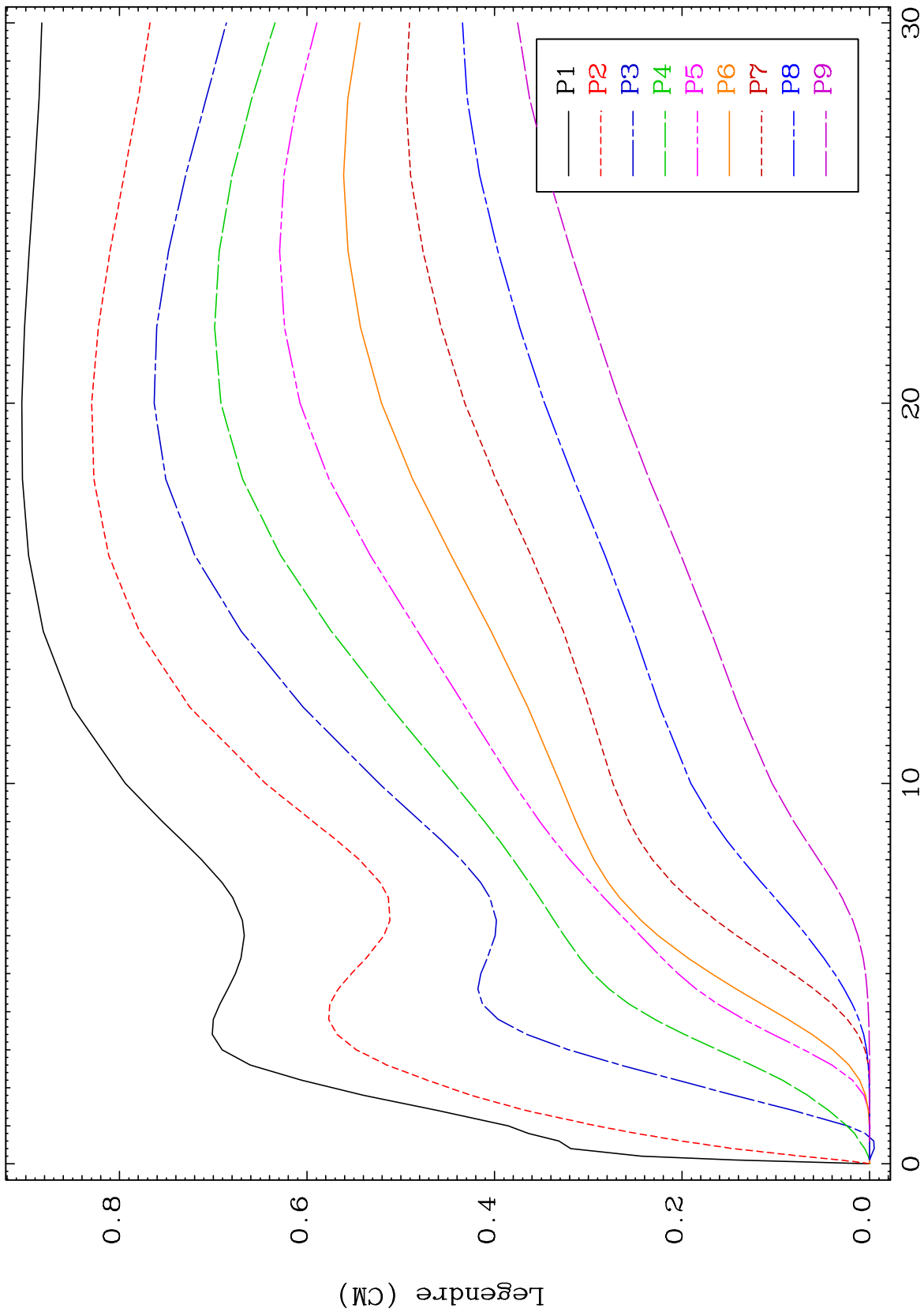
56-Ba-134



MAT 5637

Elastic Legendre Coefficients

56-Ba-134



16

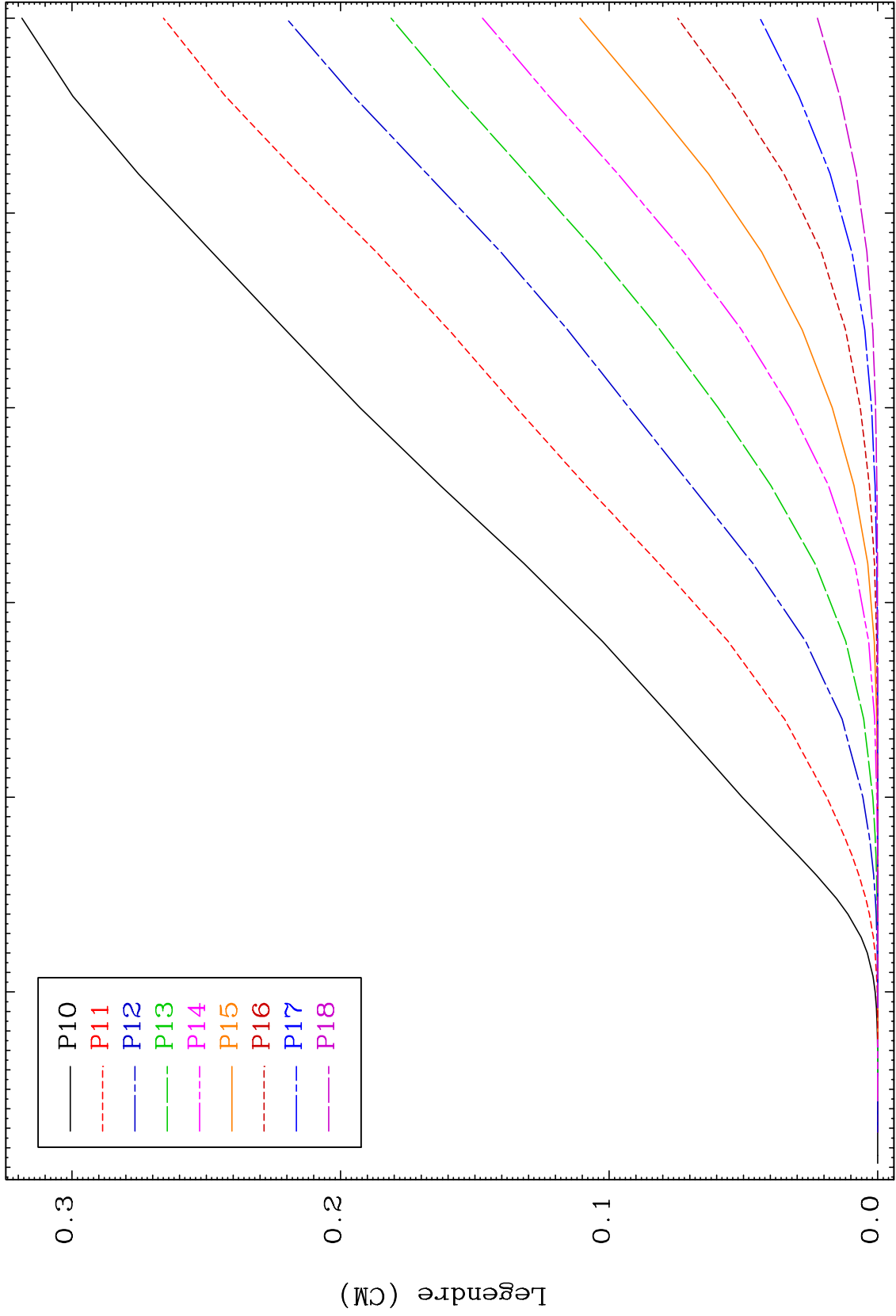
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



17

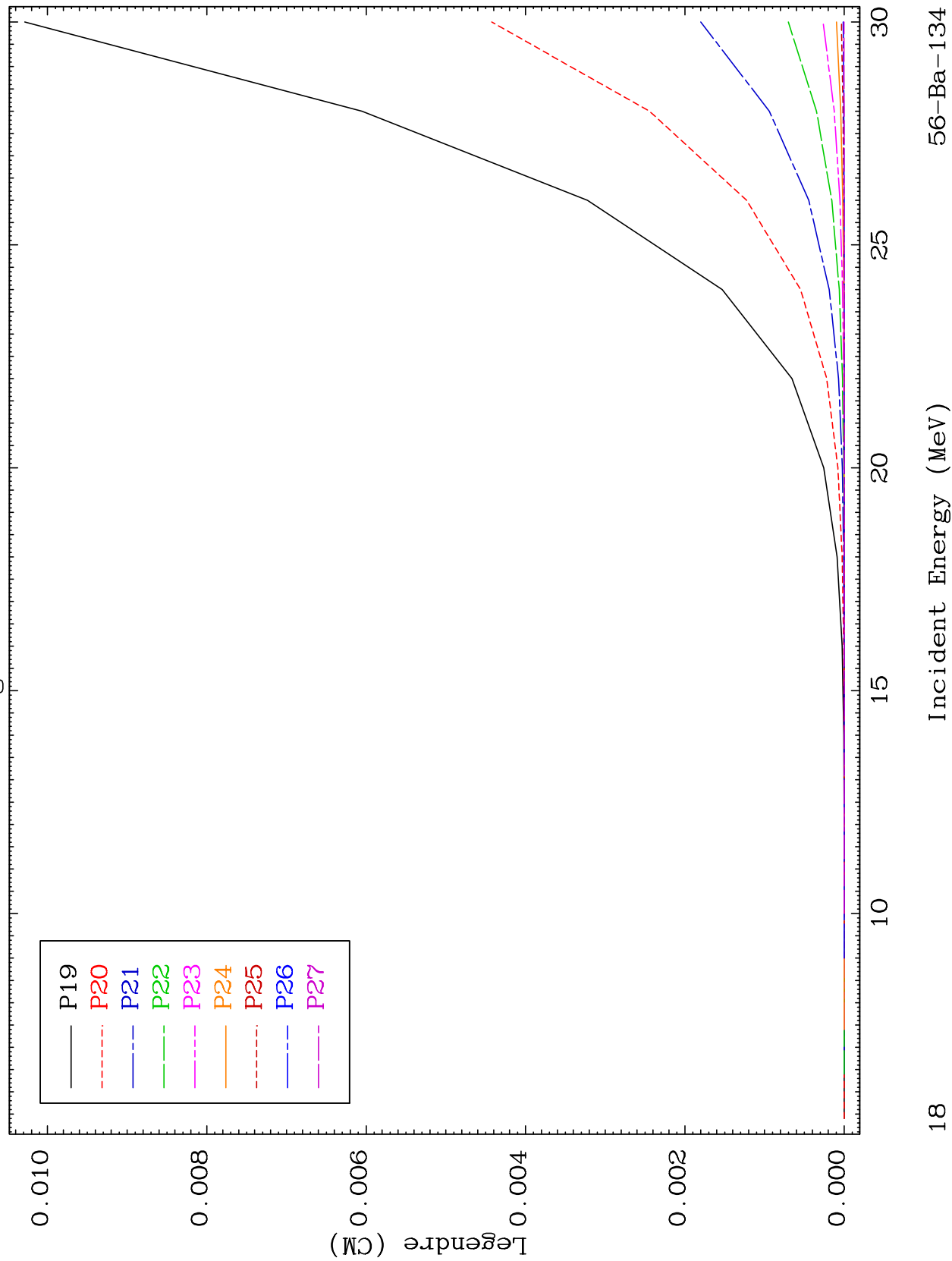
56-Ba-134

Incident Energy (MeV)

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



18

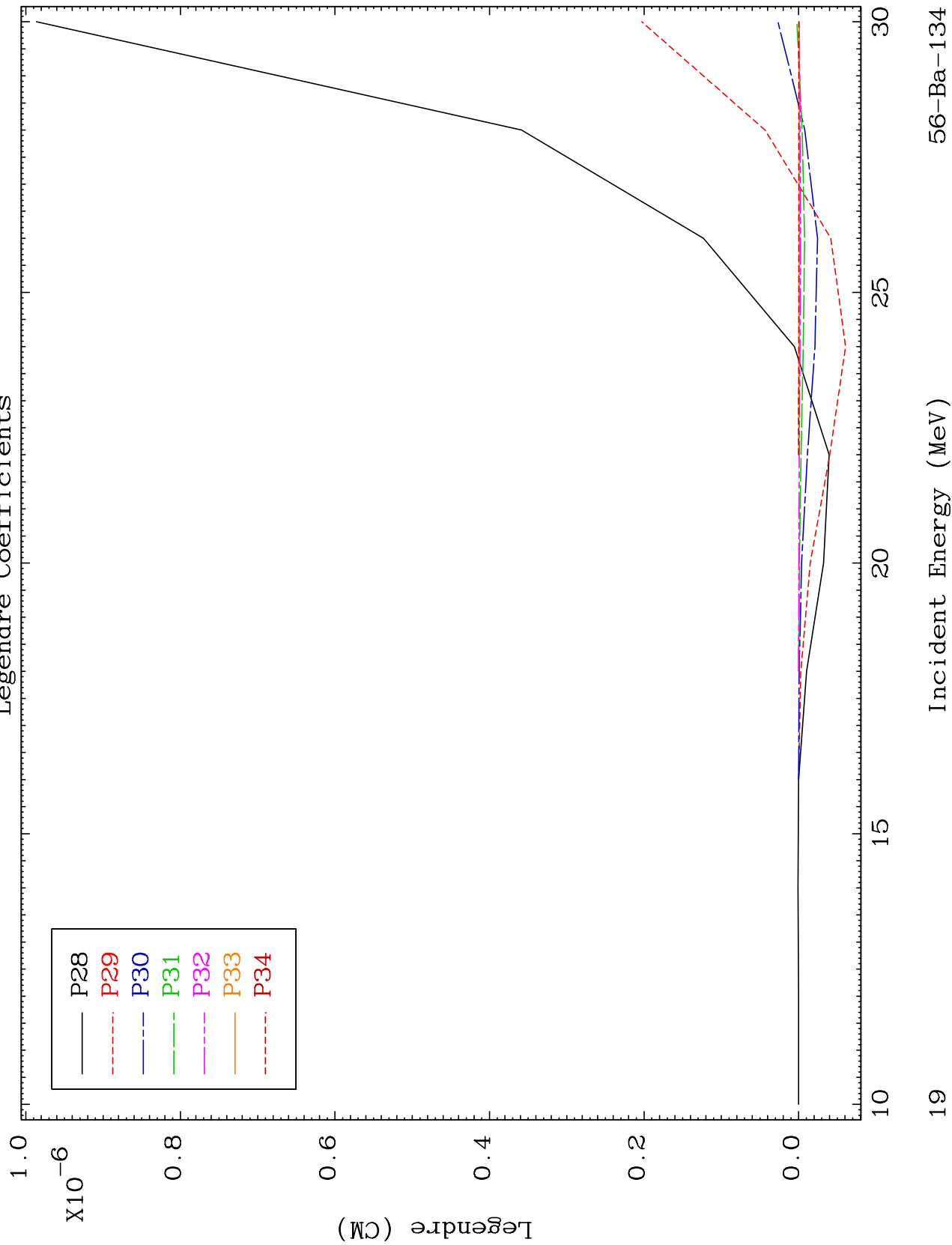
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



19

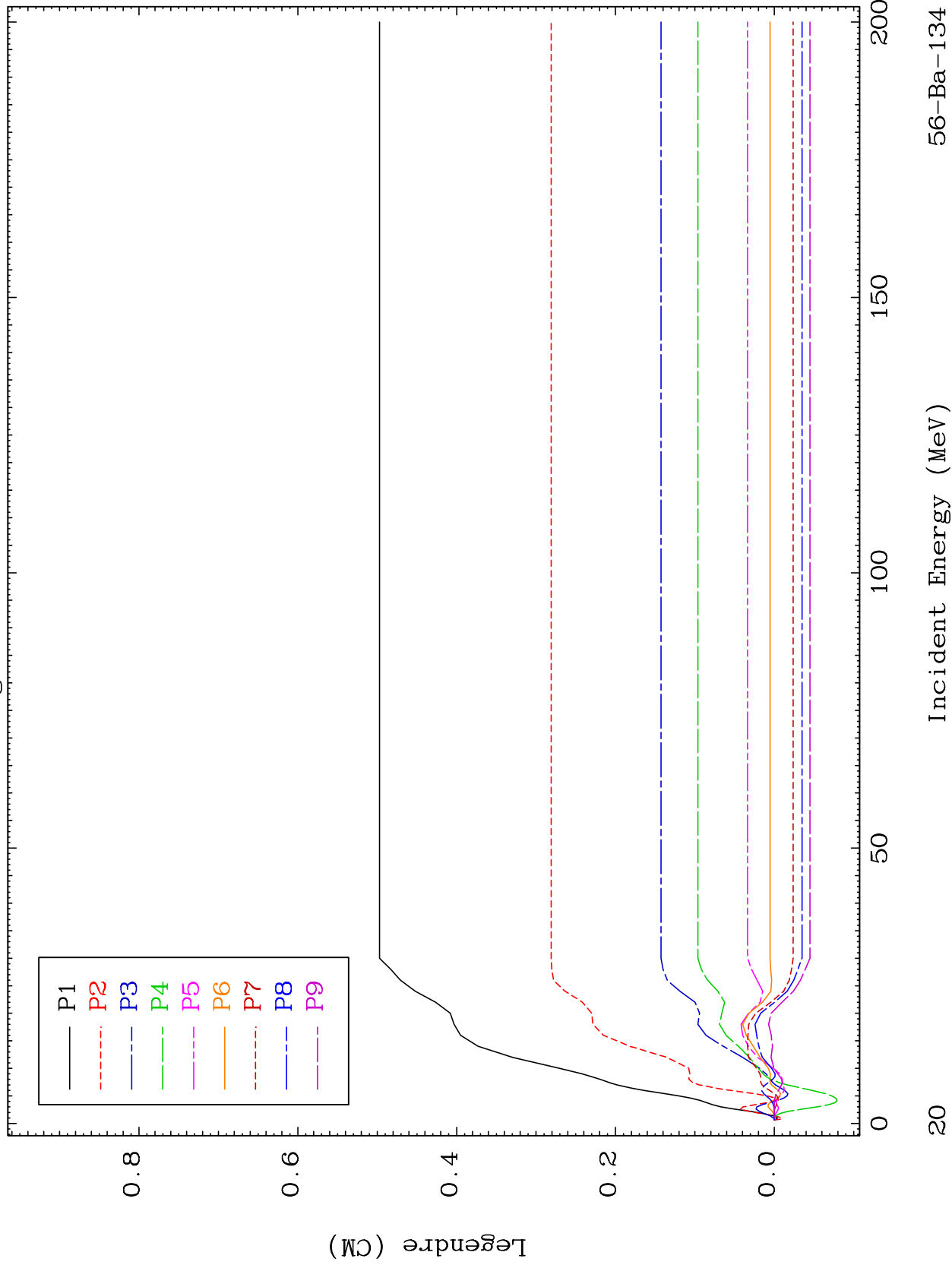
Incident Energy (MeV)

56-Ba-134

MAT 5637

604.7 keV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

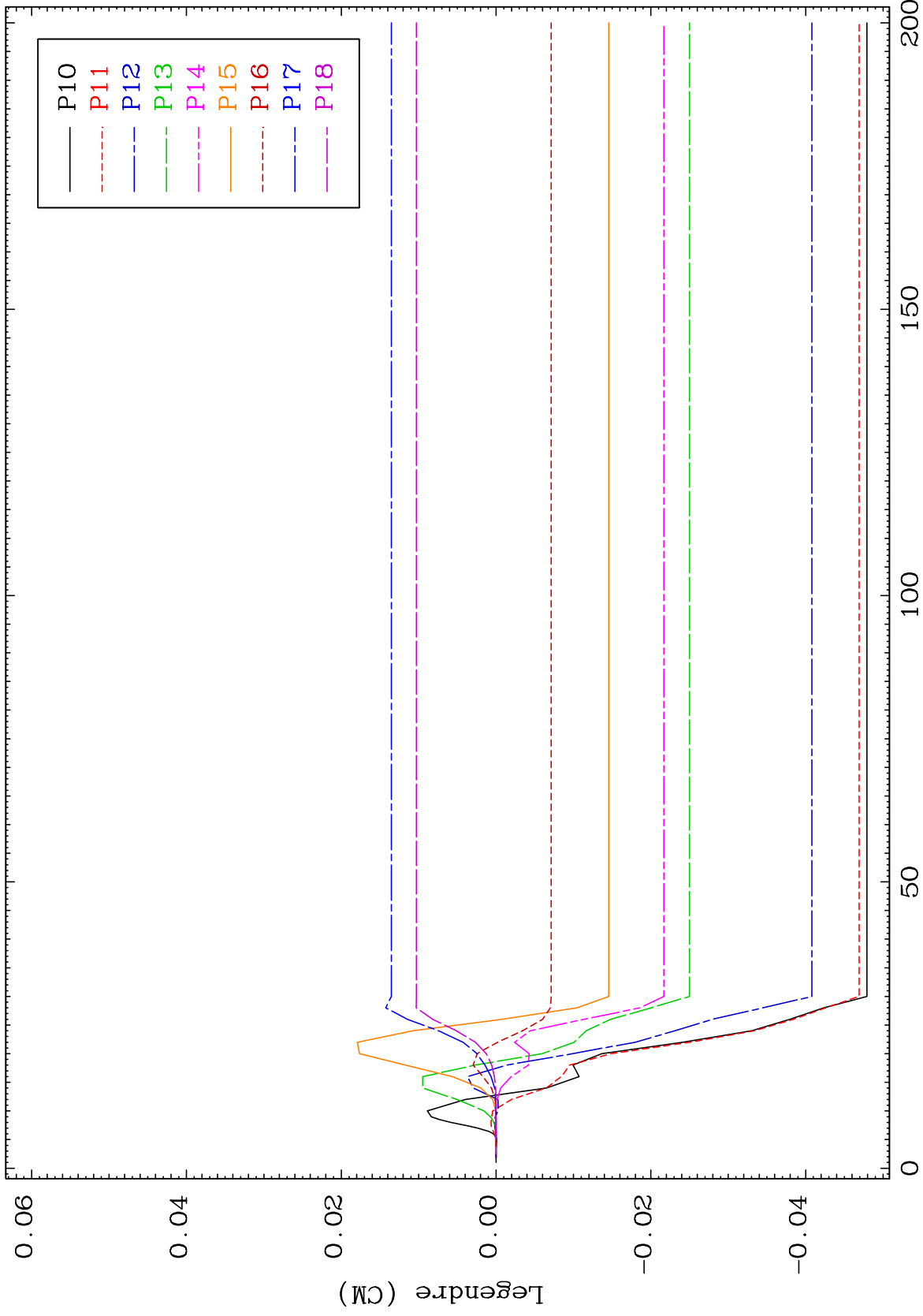
Incident Energy (MeV)

0

MAT 5637

604.7 keV (n,n') Level
Legendre Coefficients

56-Ba-134



21

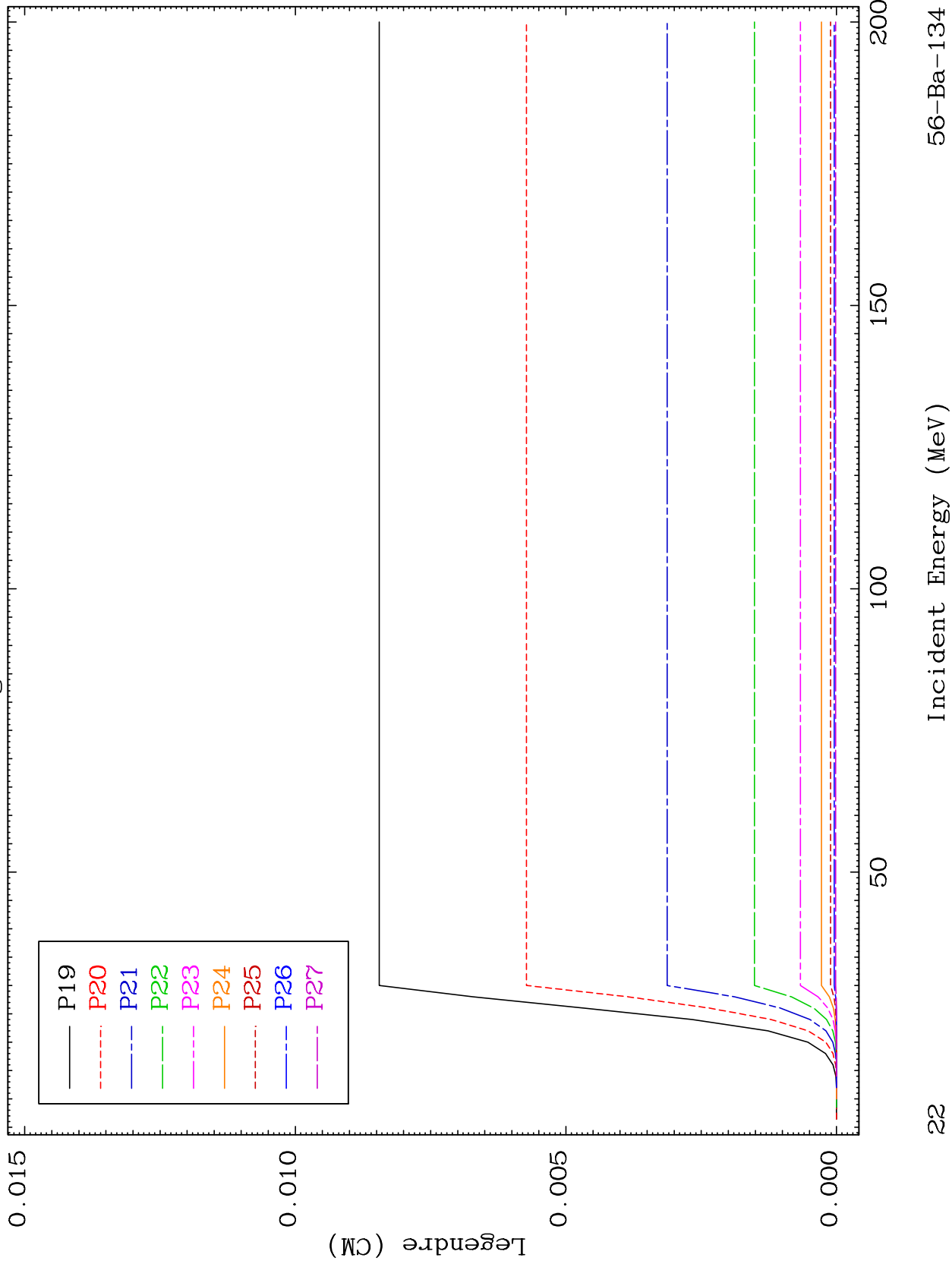
Incident Energy (MeV)

56-Ba-134

MAT 5637

604.7 keV (n,n') Level
Legendre Coefficients

56-Ba-134



22

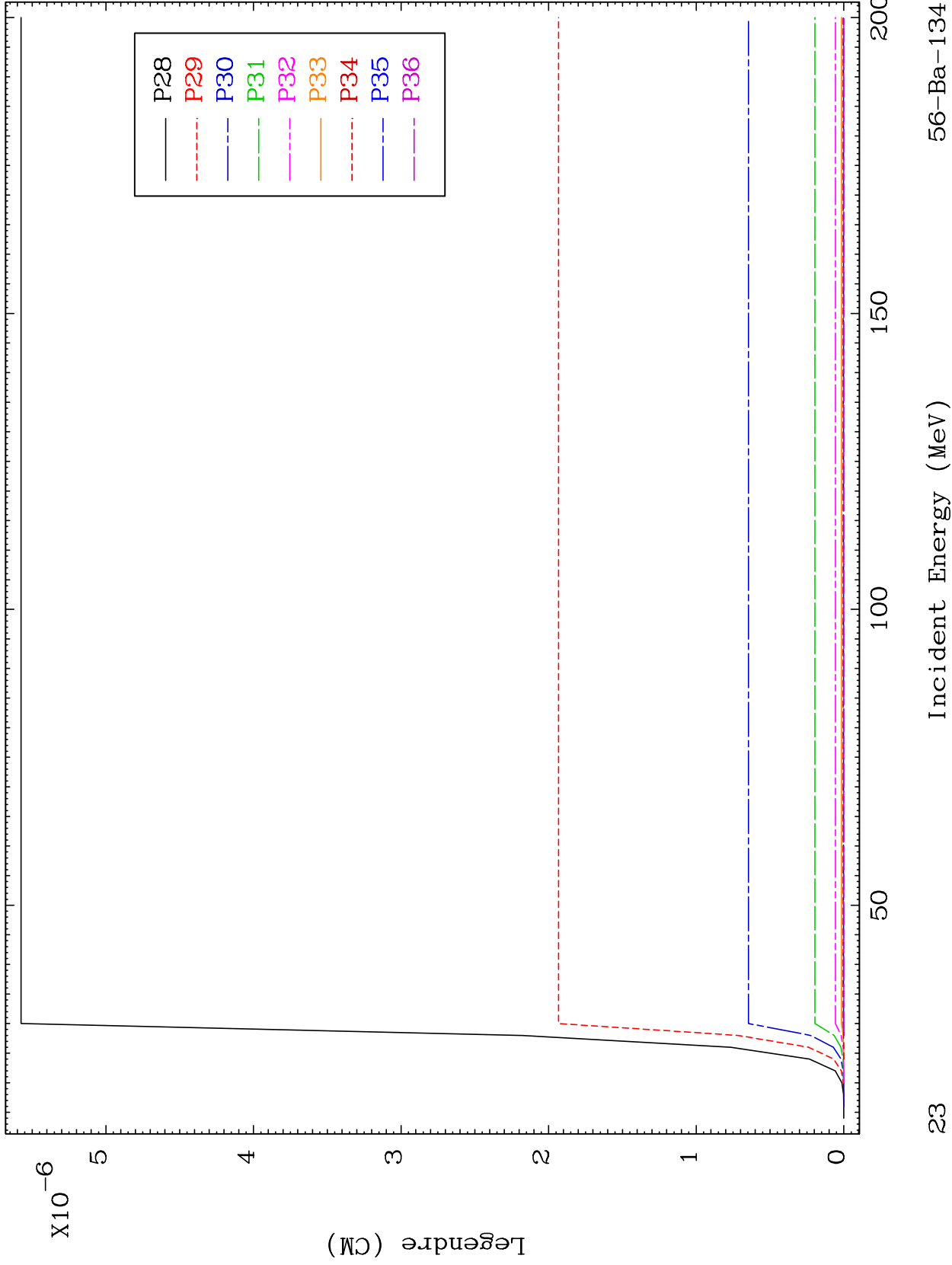
Incident Energy (MeV)

56-Ba-134

MAT 5637

604.7 keV (n,n') Level
Legendre Coefficients

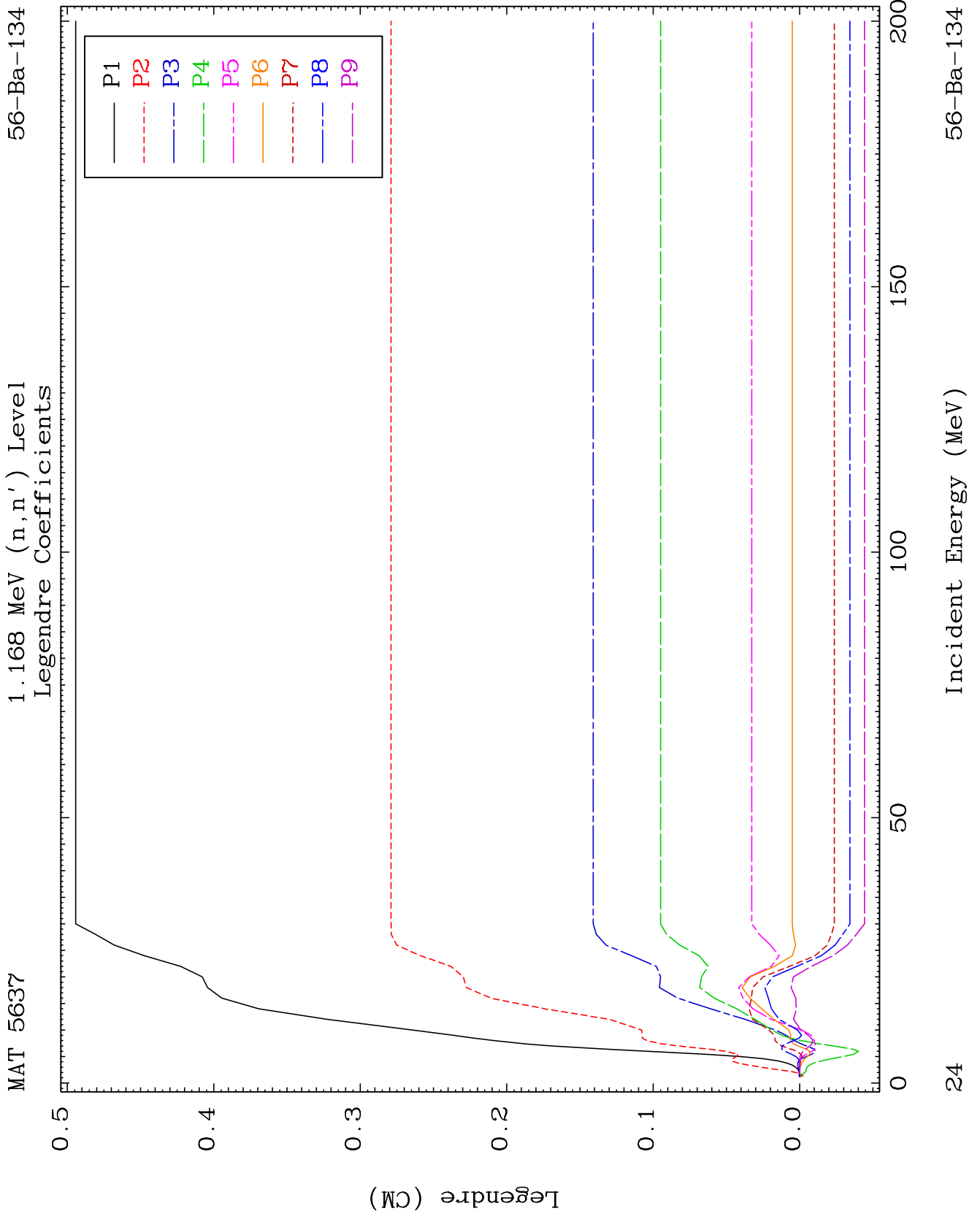
56-Ba-134



23

Incident Energy (MeV)

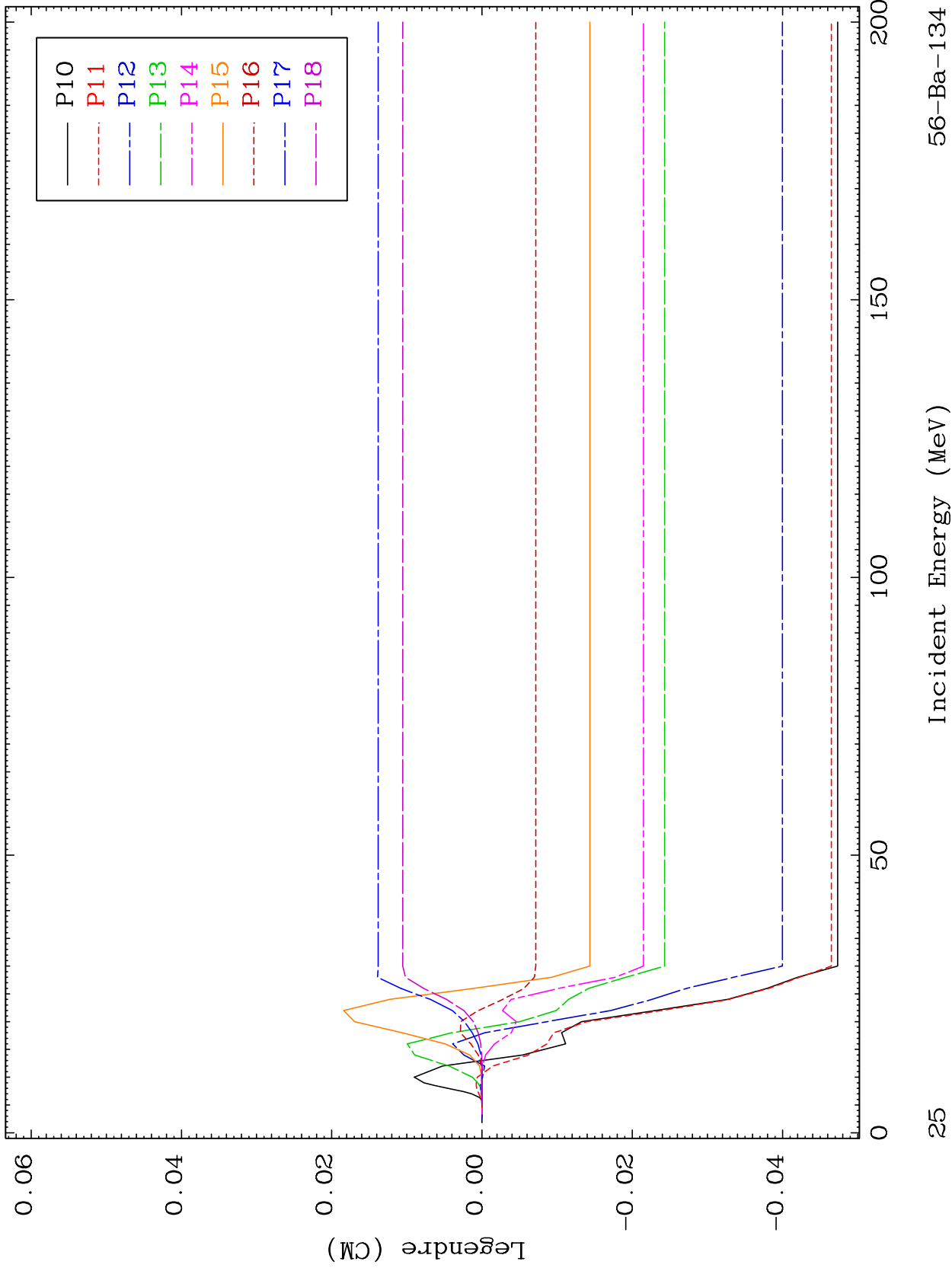
56-Ba-134



MAT 5637

1.168 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

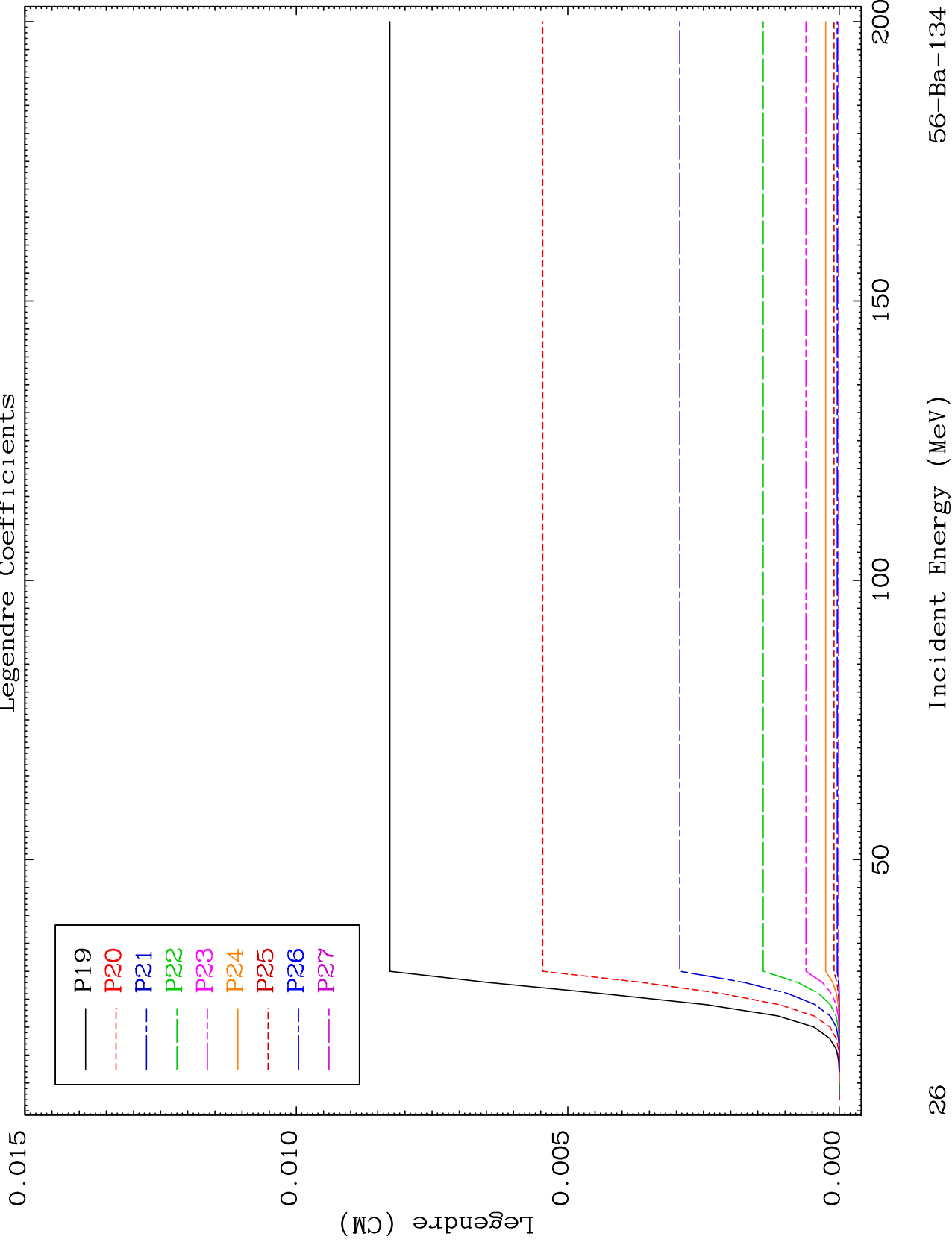
Incident Energy (MeV)

25

MAT 5637

1.168 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



26

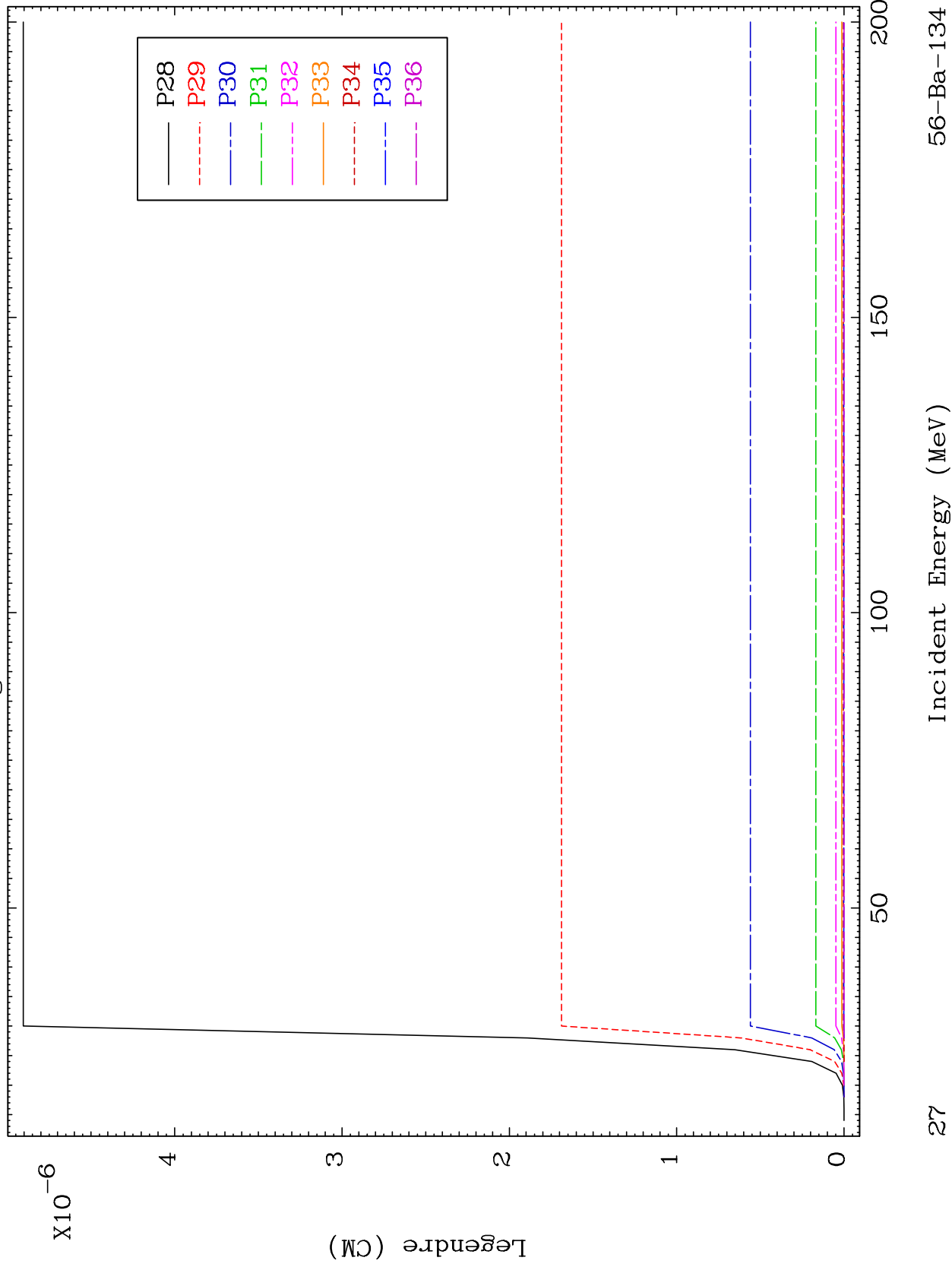
Incident Energy (MeV)

56-Ba-134

MAT 5637

1.168 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



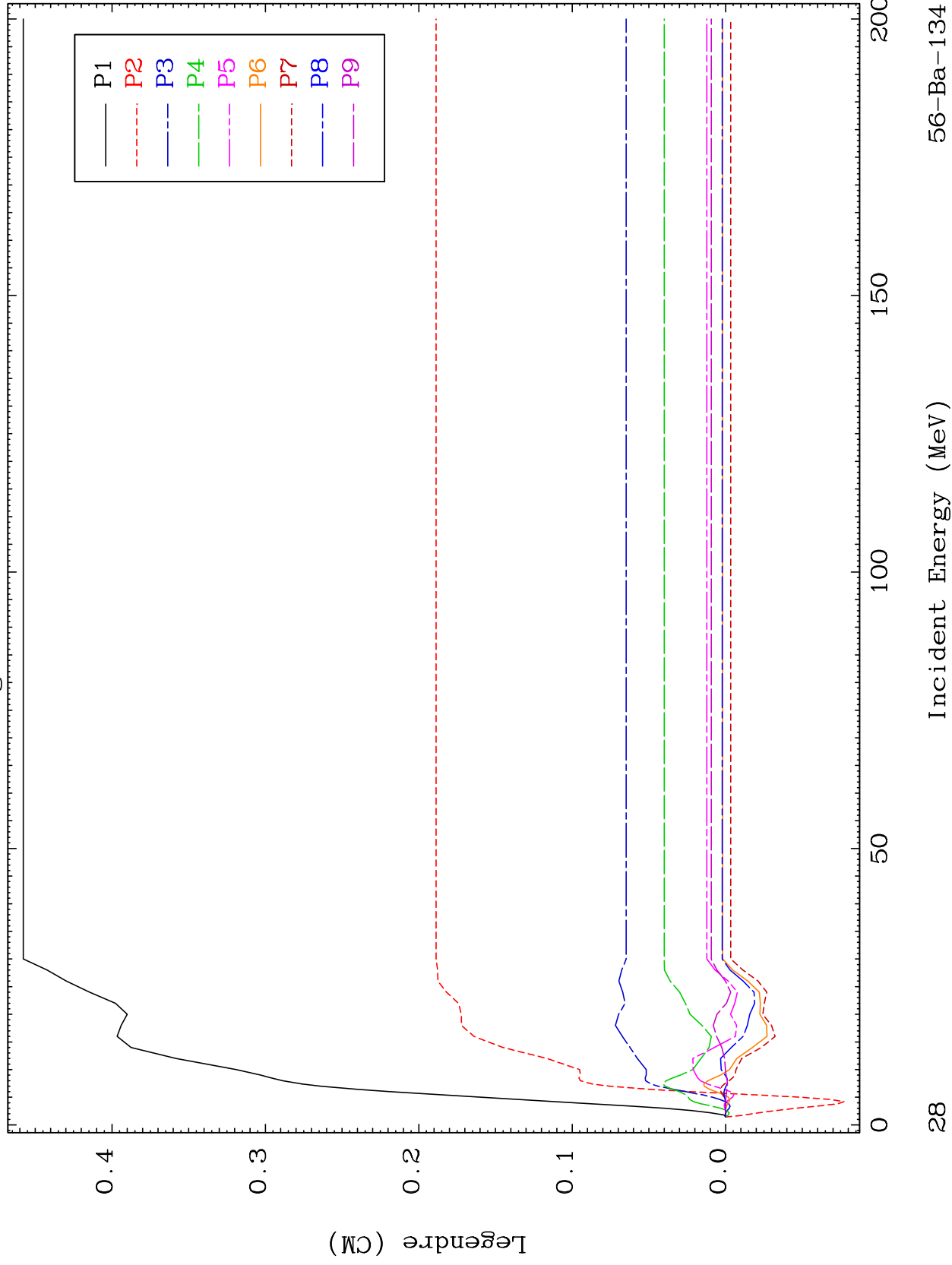
27

56-Ba-134

MAT 5637

1.401 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

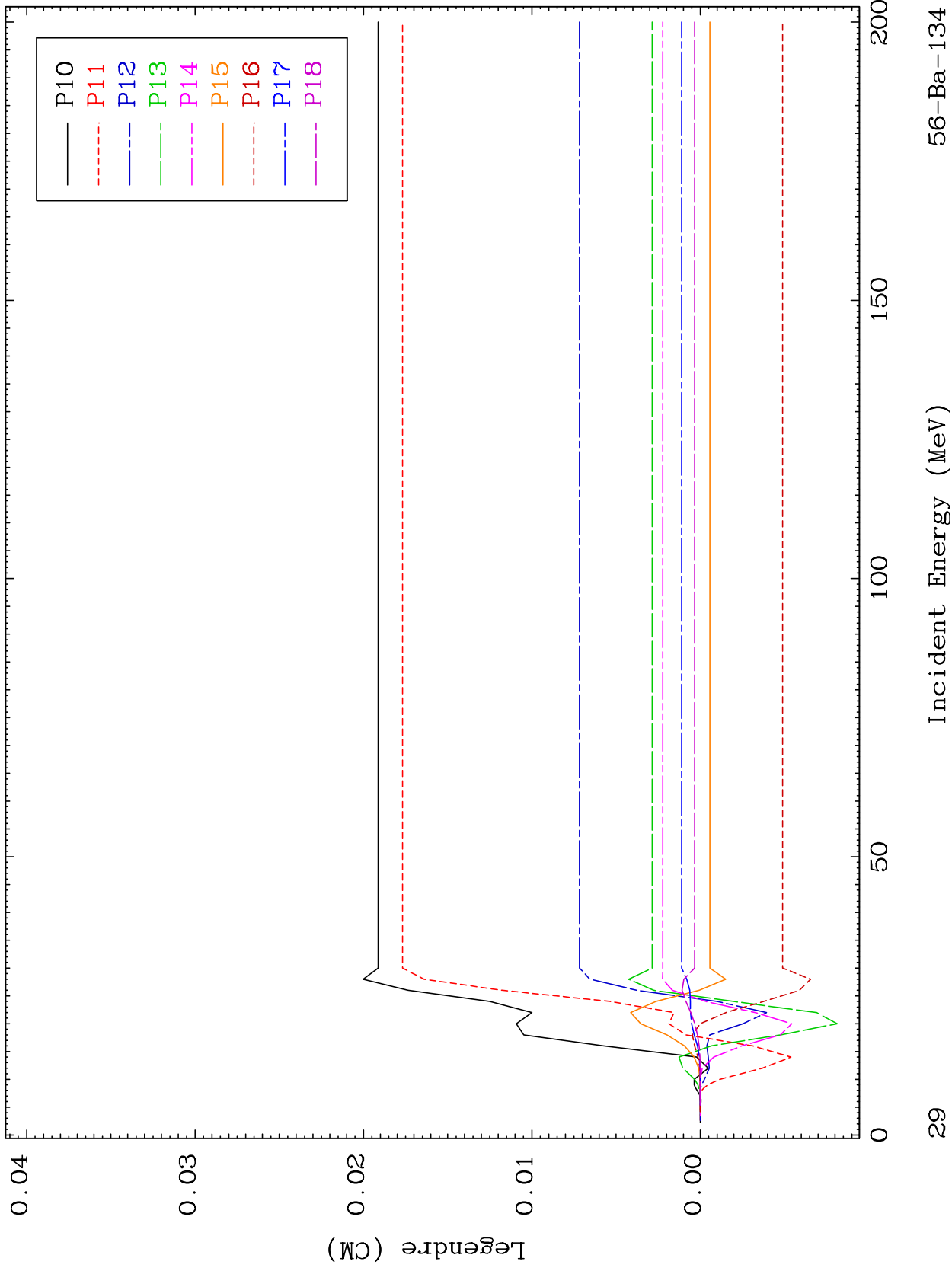
Incident Energy (MeV)

28

MAT 5637

1.401 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



29

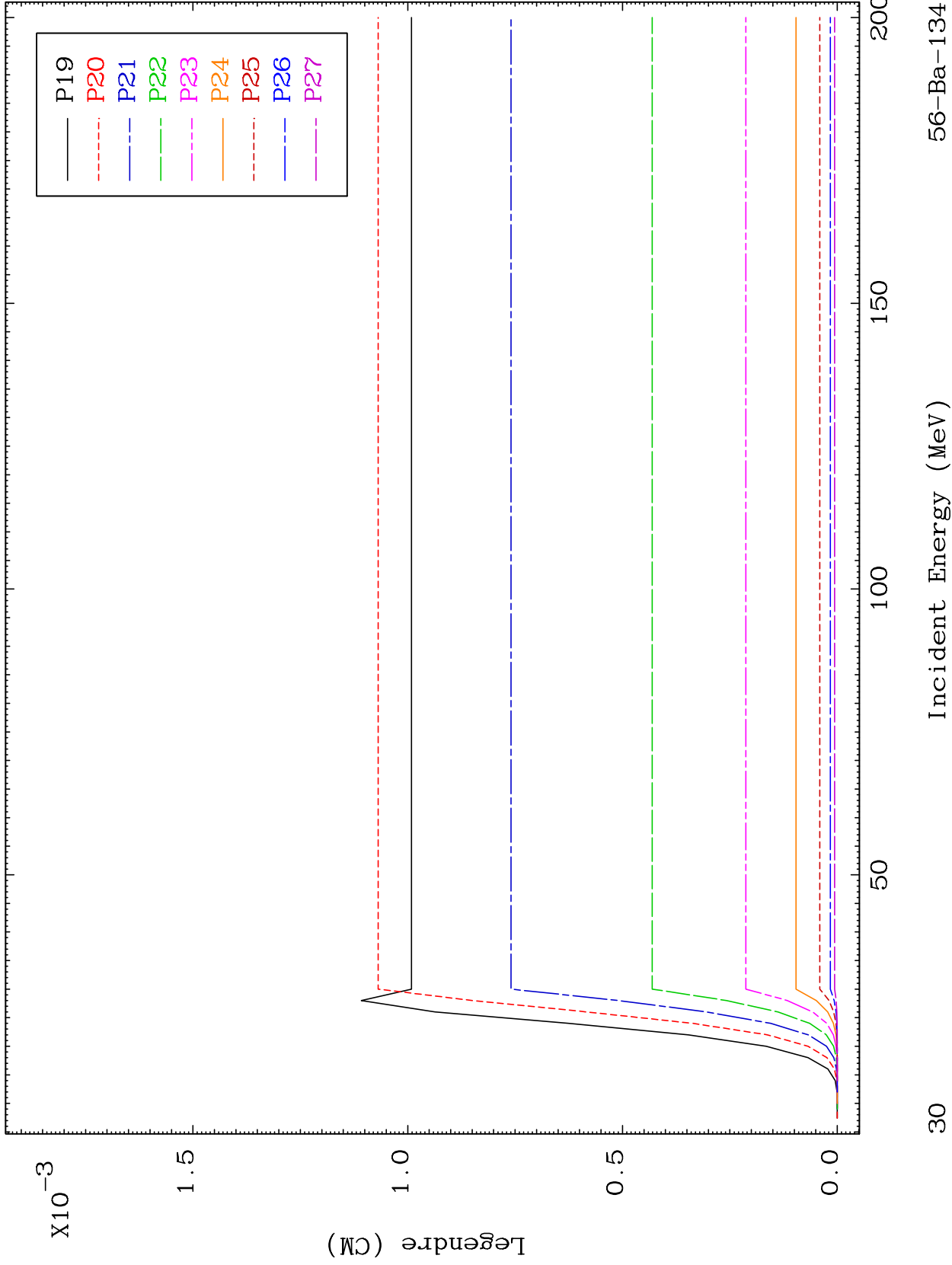
Incident Energy (MeV)

56-Ba-134

MAT 5637

1.401 MeV (n,n') Level
Legendre Coefficients

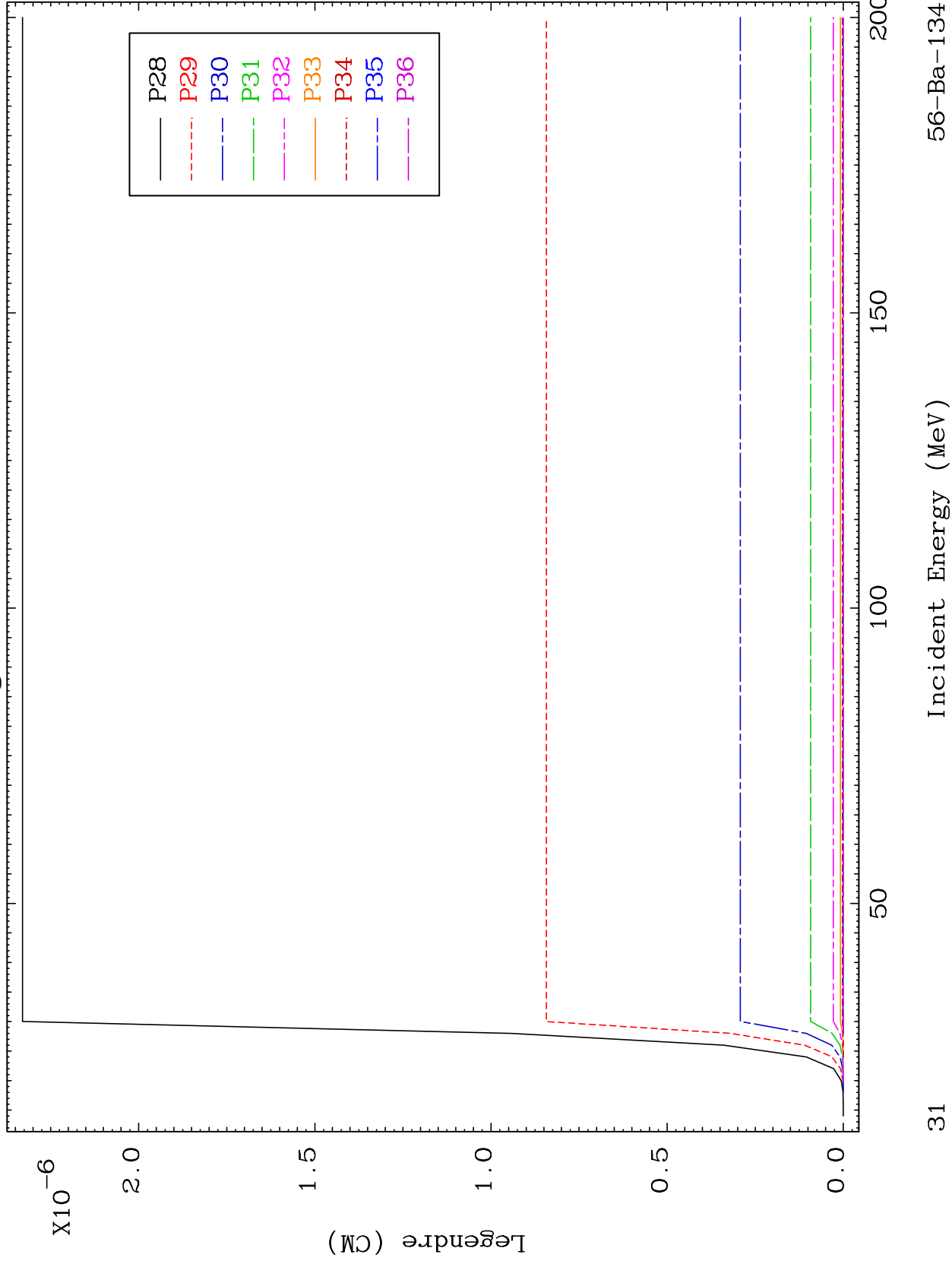
56-Ba-134



MAT 5637

1.401 MeV (n, n') Level
Legendre Coefficients

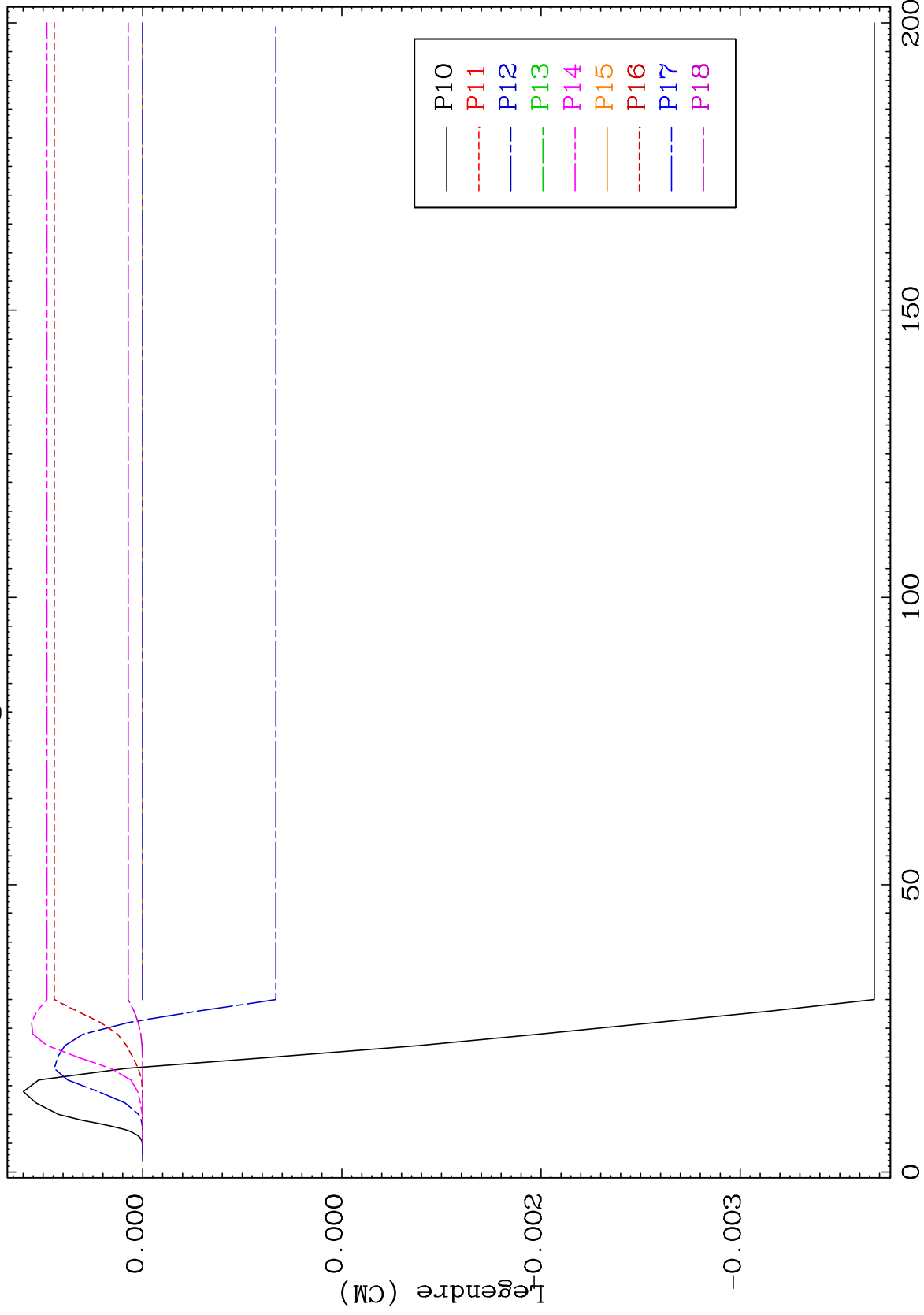
56-Ba-134



MAT 5637

1.643 MeV (n,n') Level
Legendre Coefficients

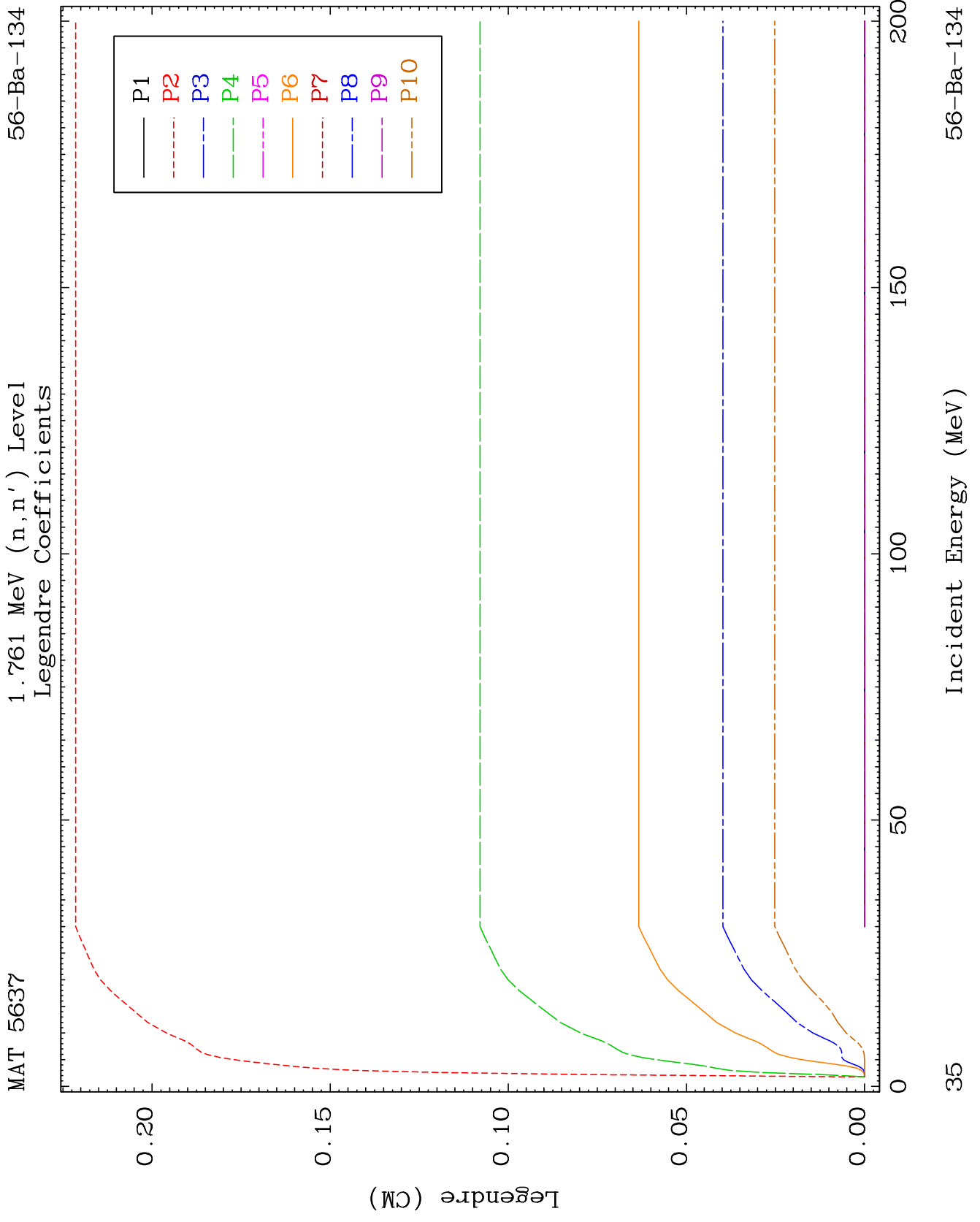
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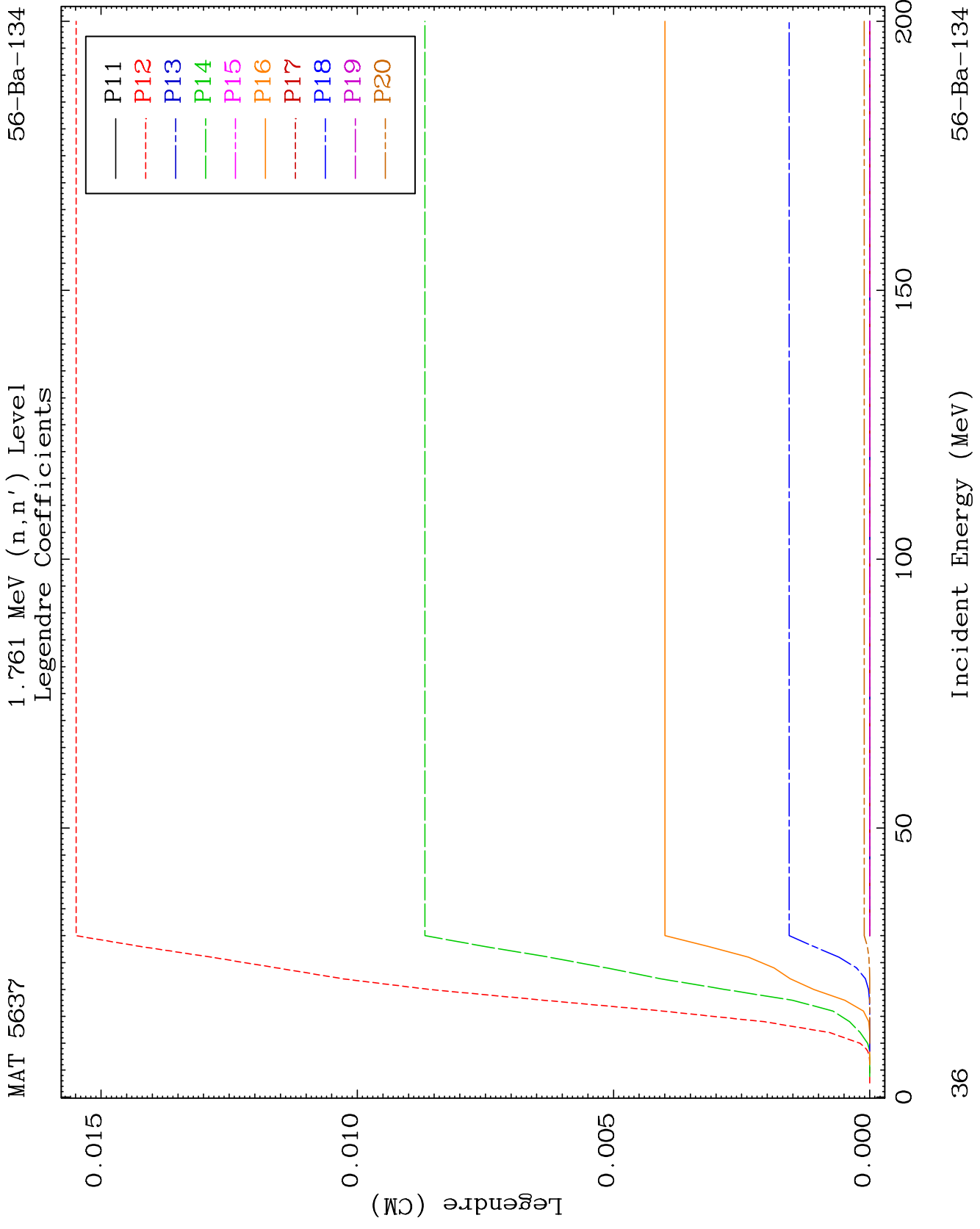


33

Incident Energy (MeV)

56-Ba-134

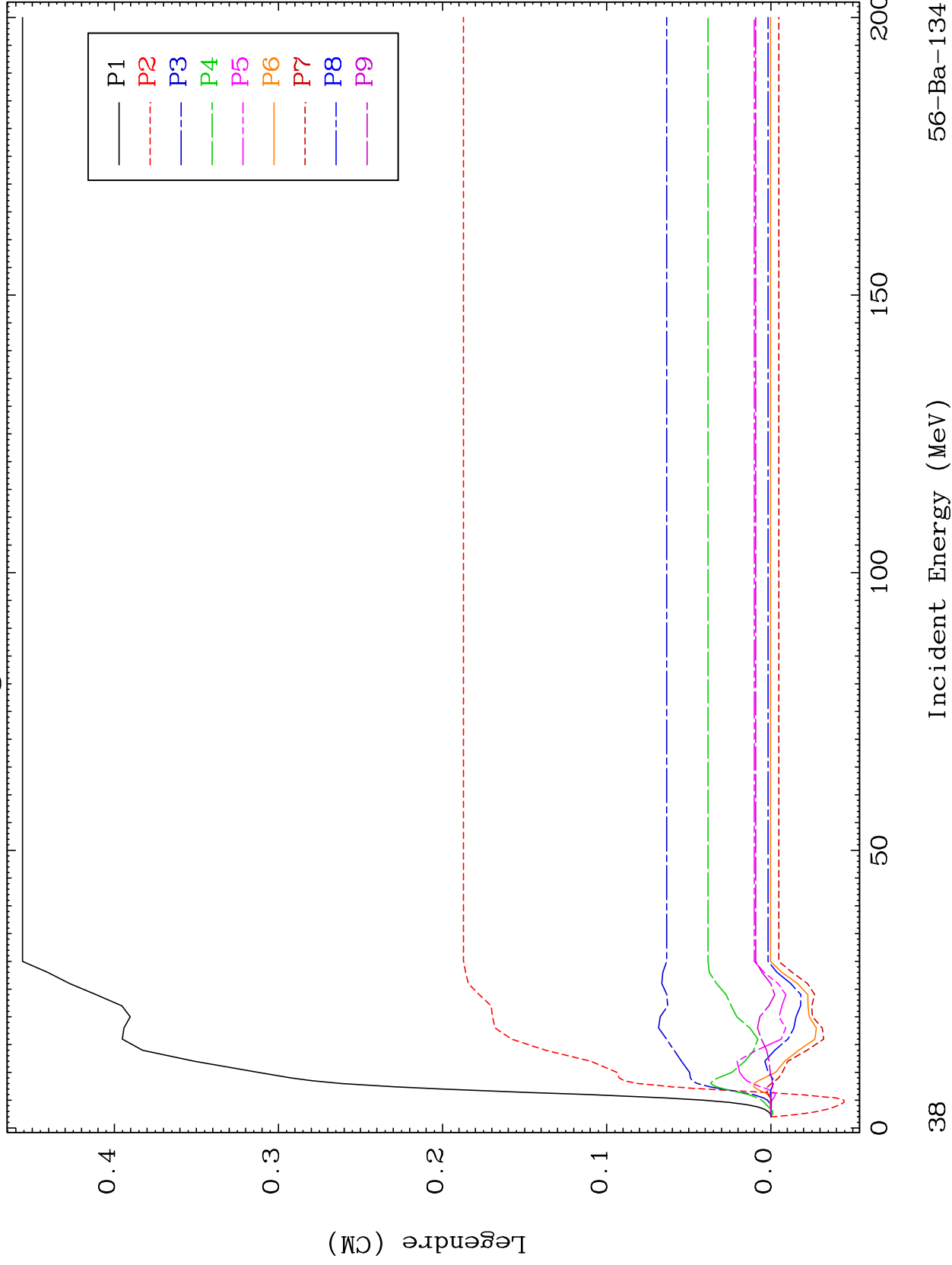




MAT 5637

1.970 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

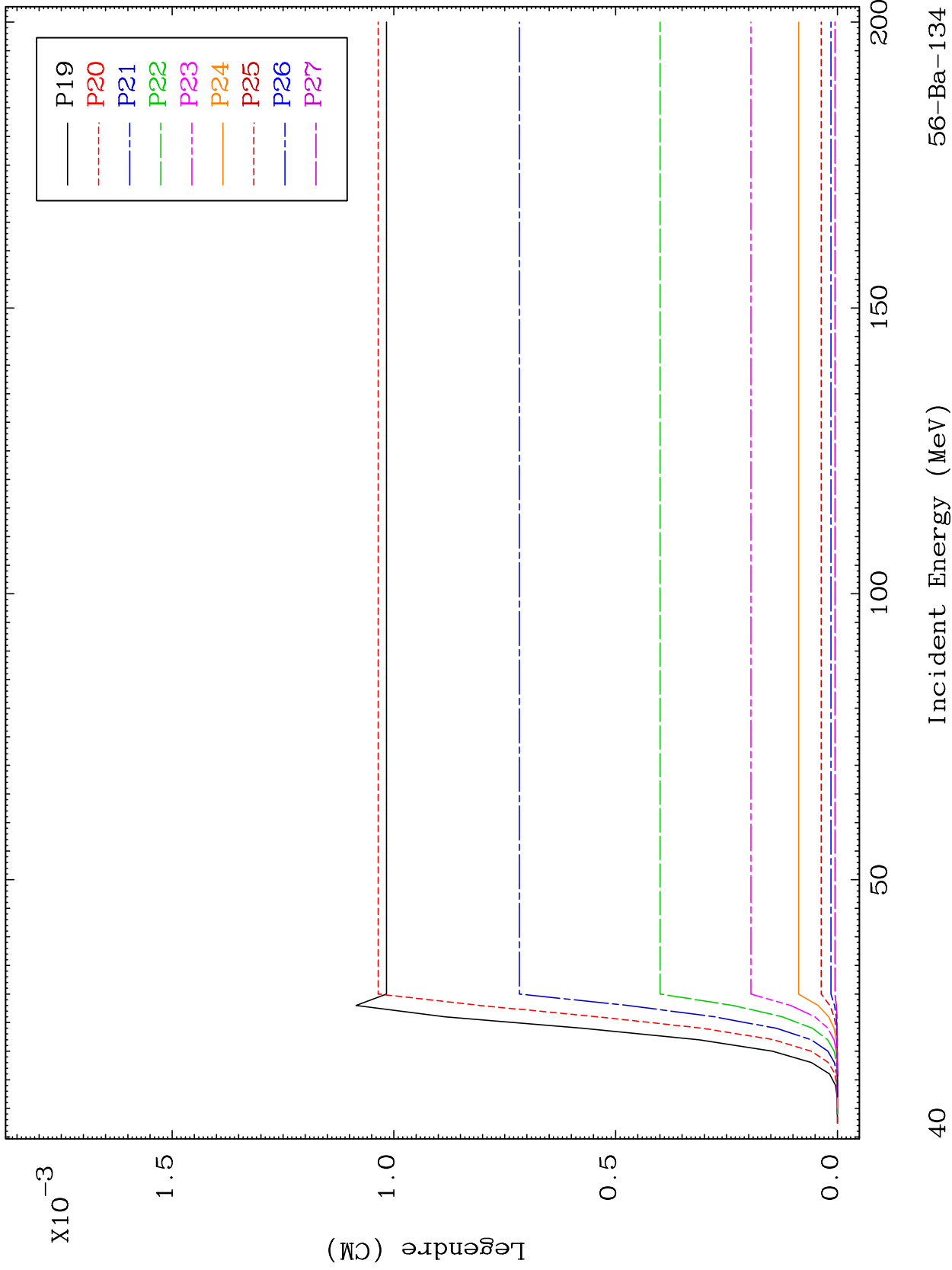
Incident Energy (MeV)

38

MAT 5637

1.970 MeV (n,n') Level
Legendre Coefficients

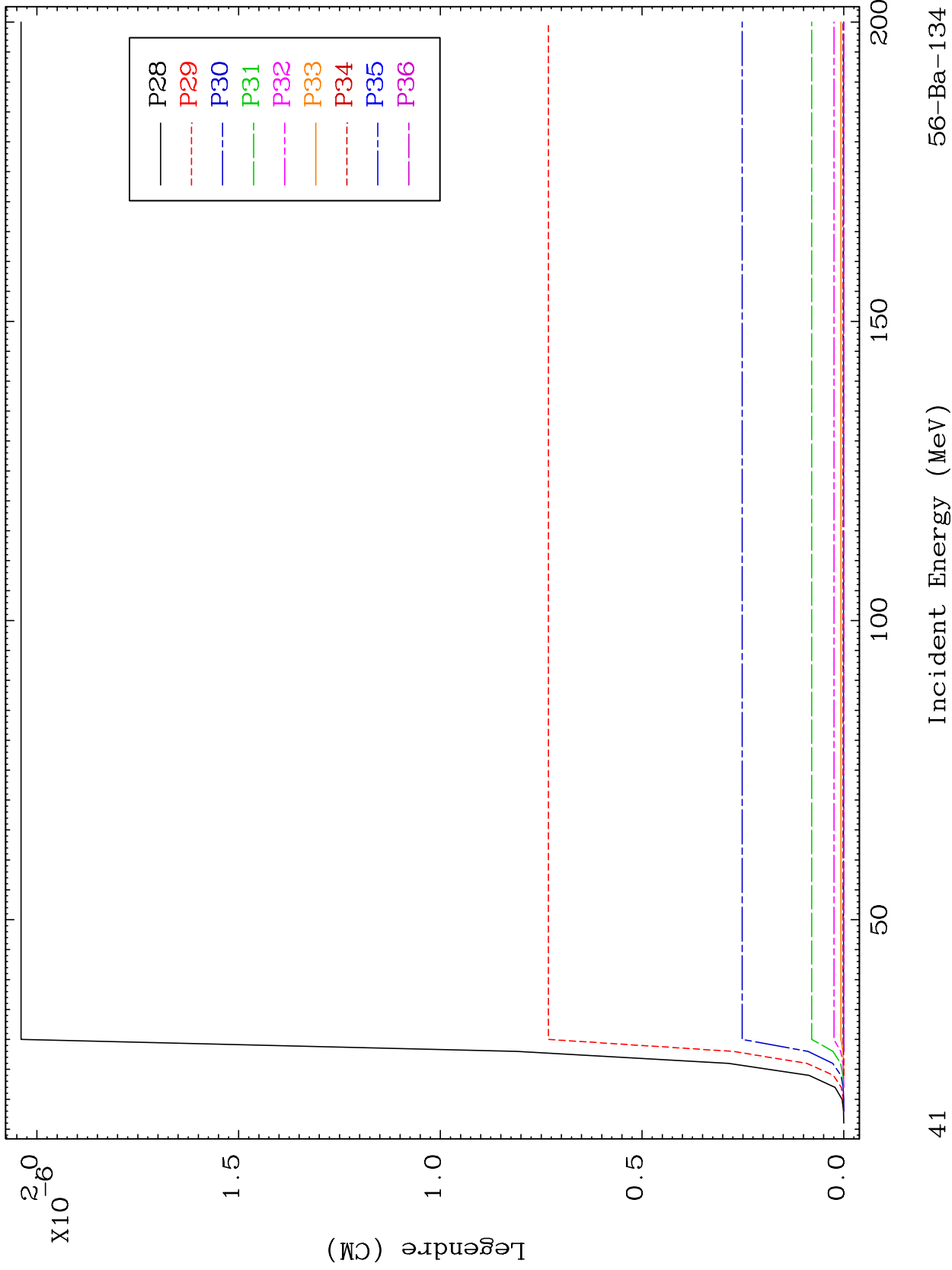
56-Ba-134



MAT 5637

1.970 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



41

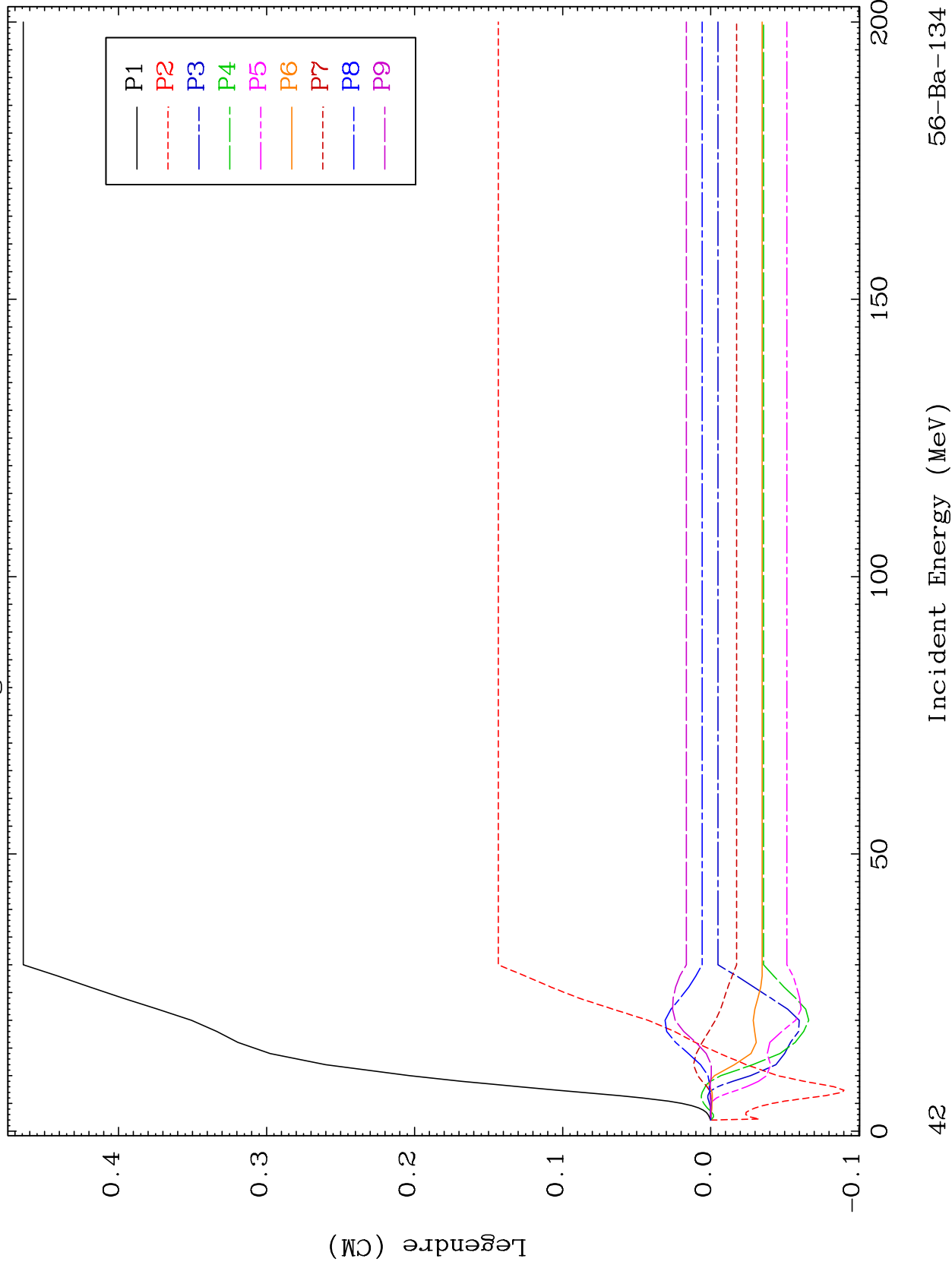
Incident Energy (MeV)

56-Ba-134

MAT 5637

1.986 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

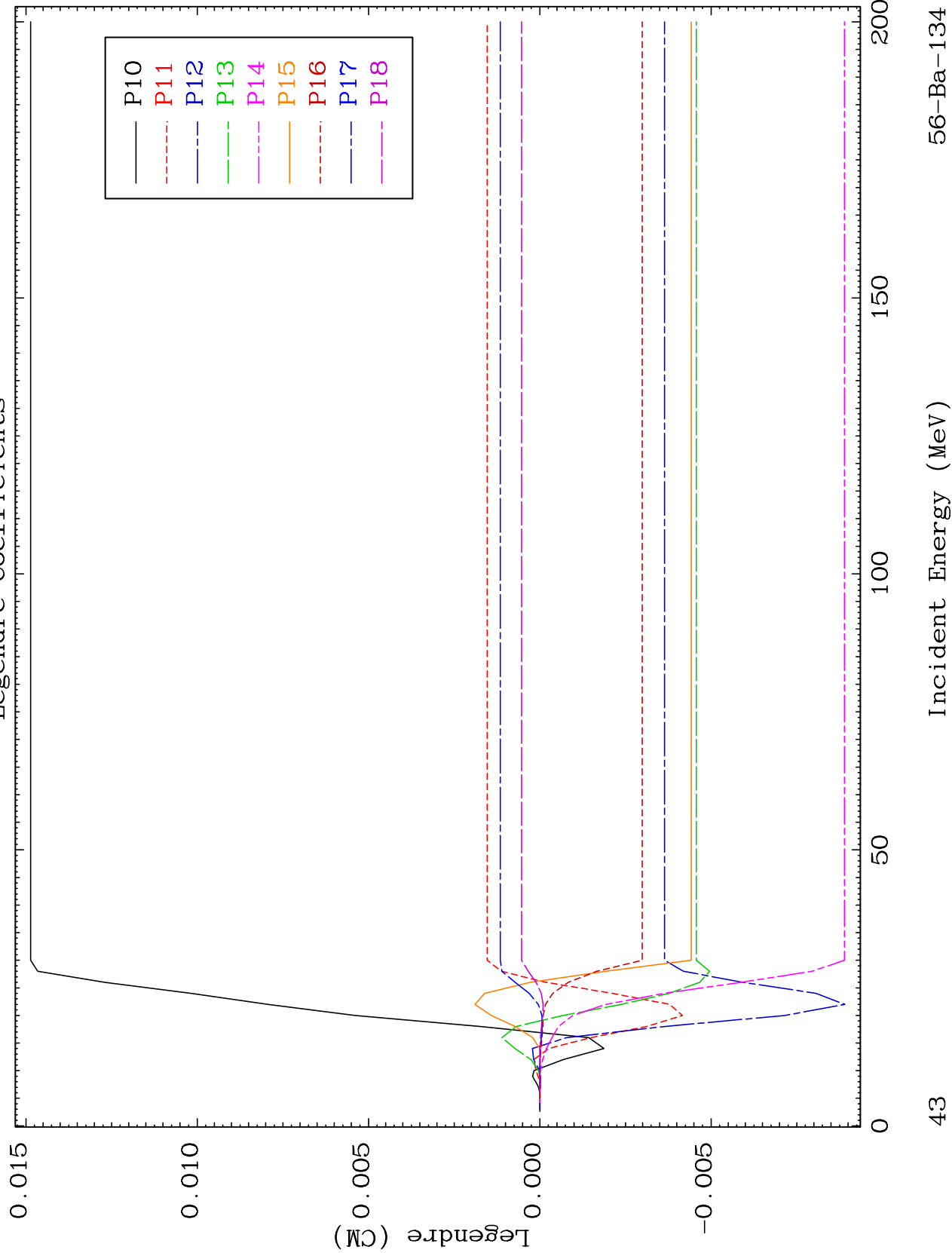
Incident Energy (MeV)

42

MAT 5637

1.986 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



43

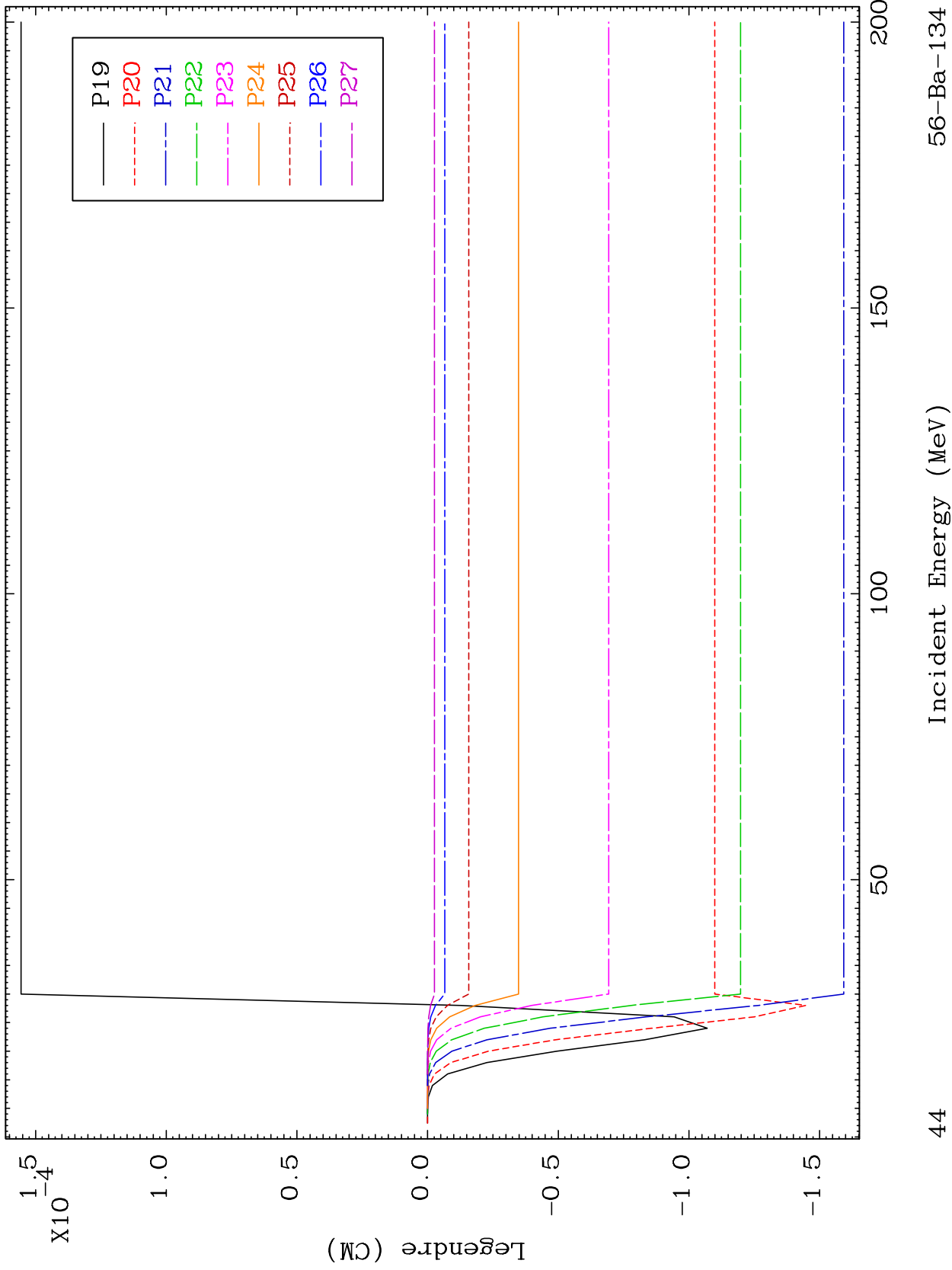
Incident Energy (MeV)

56-Ba-134

MAT 5637

1.986 MeV (n,n') Level
Legendre Coefficients

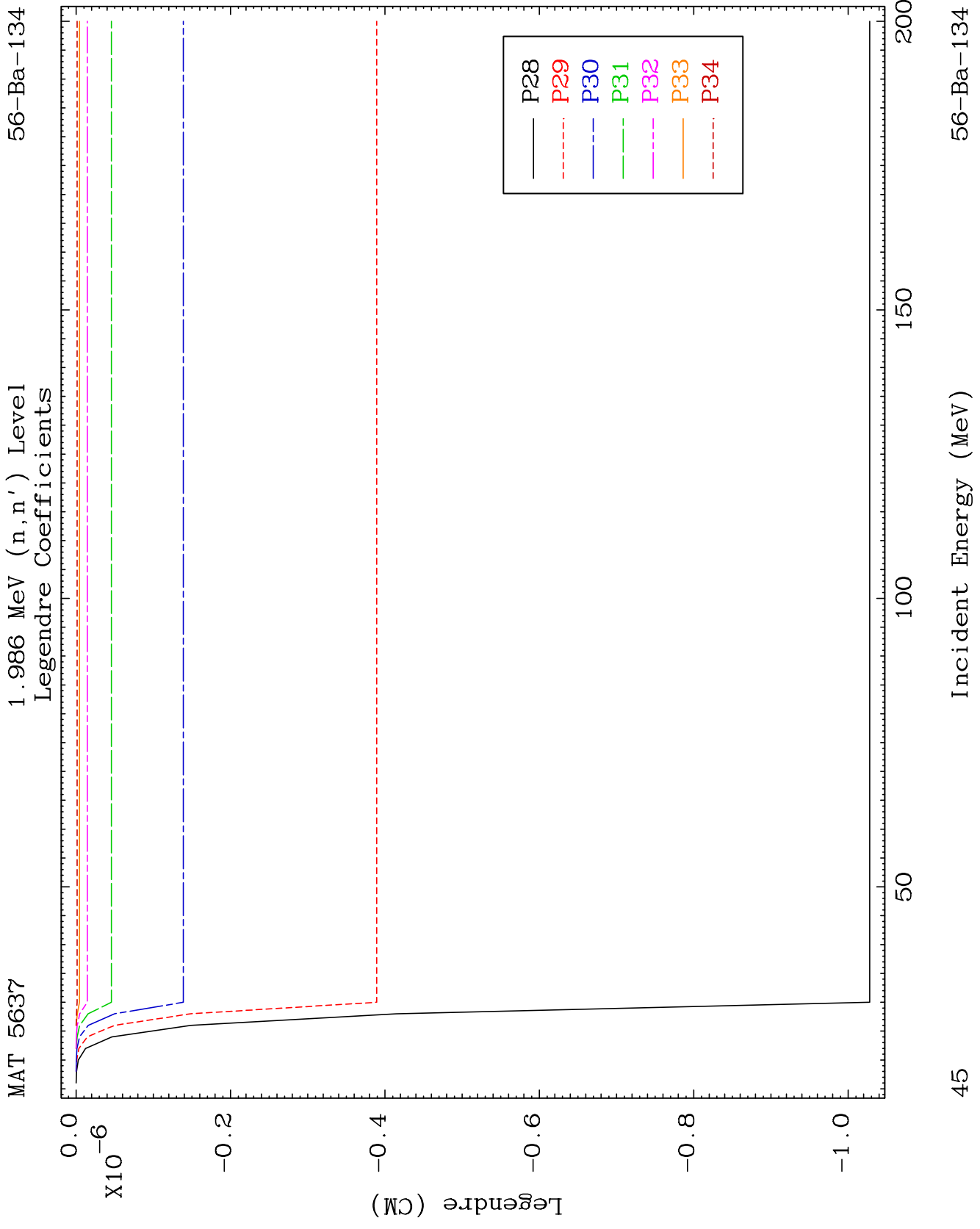
56-Ba-134



44

Incident Energy (MeV)

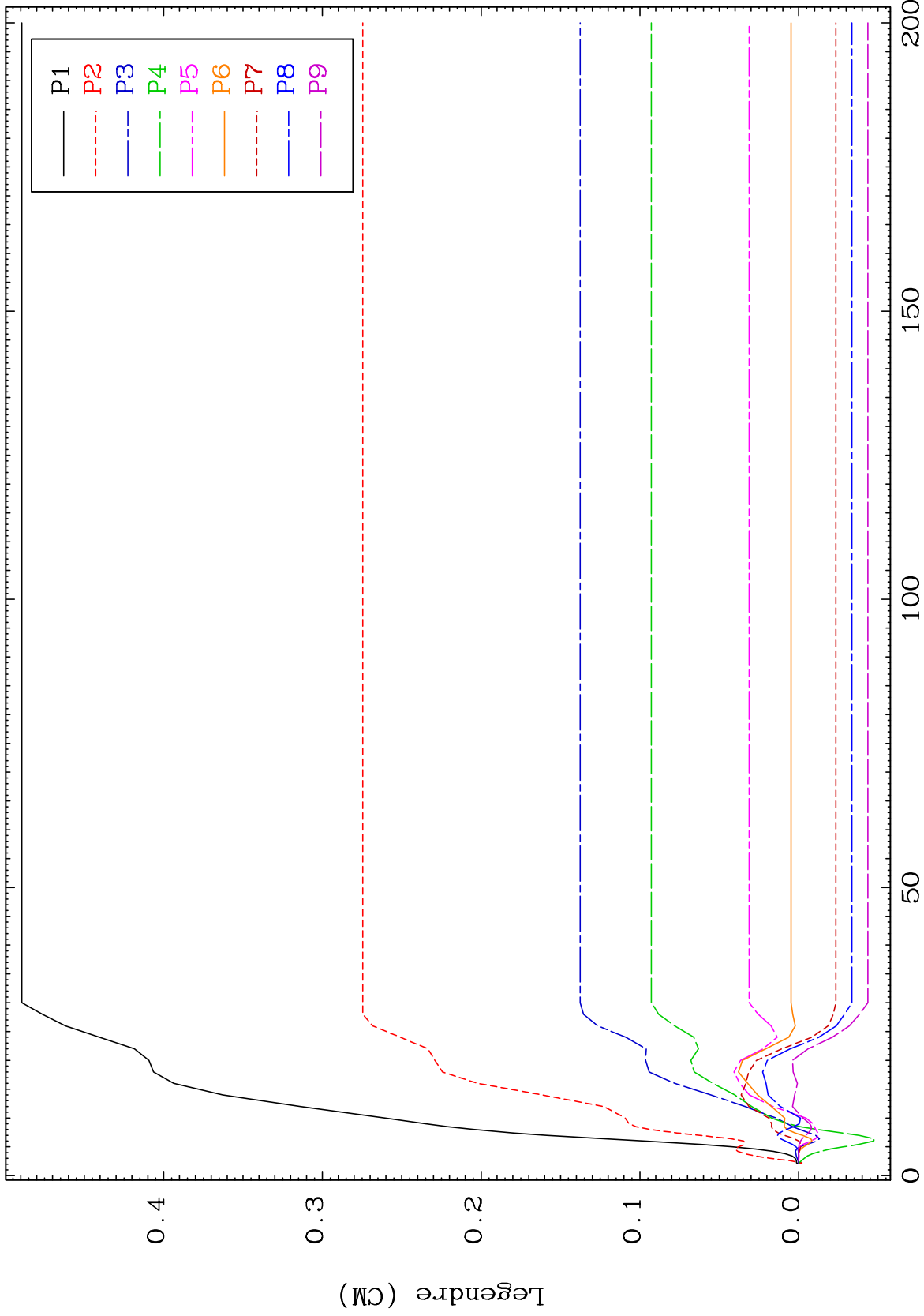
56-Ba-134



MAT 5637

2.029 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



46

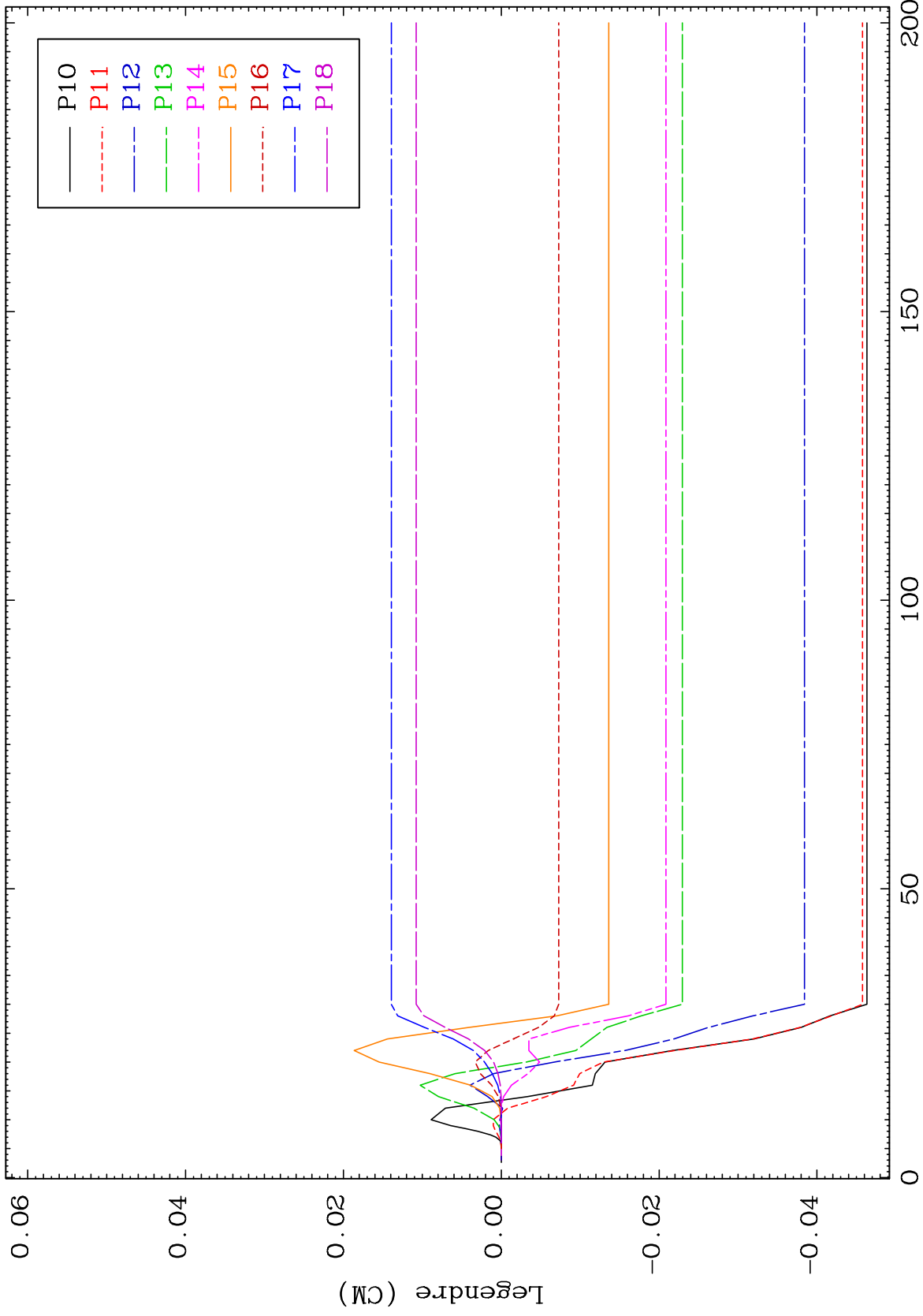
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.029 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



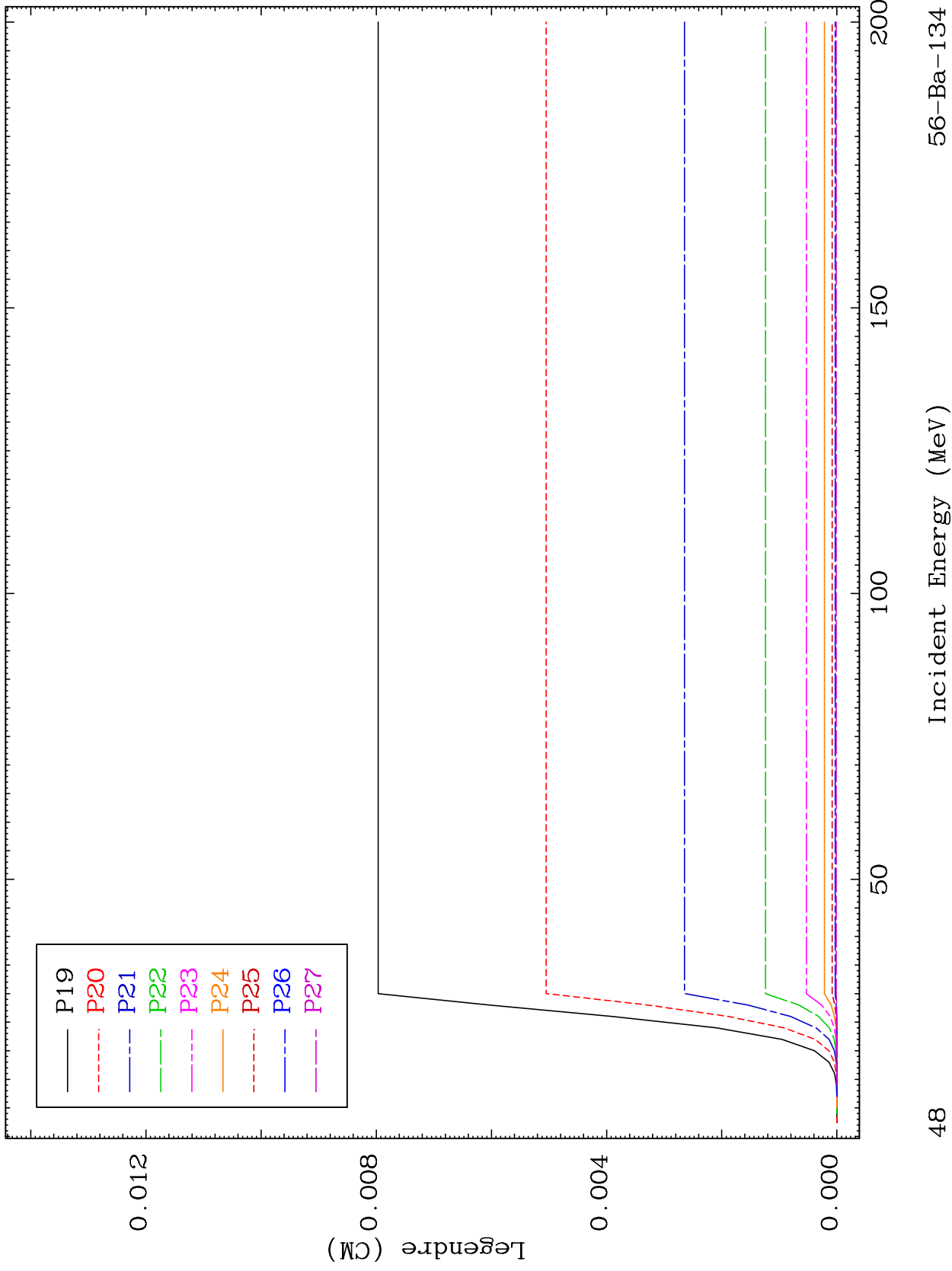
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56-Ba-134

MAT 5637

2.029 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



48

Incident Energy (MeV)

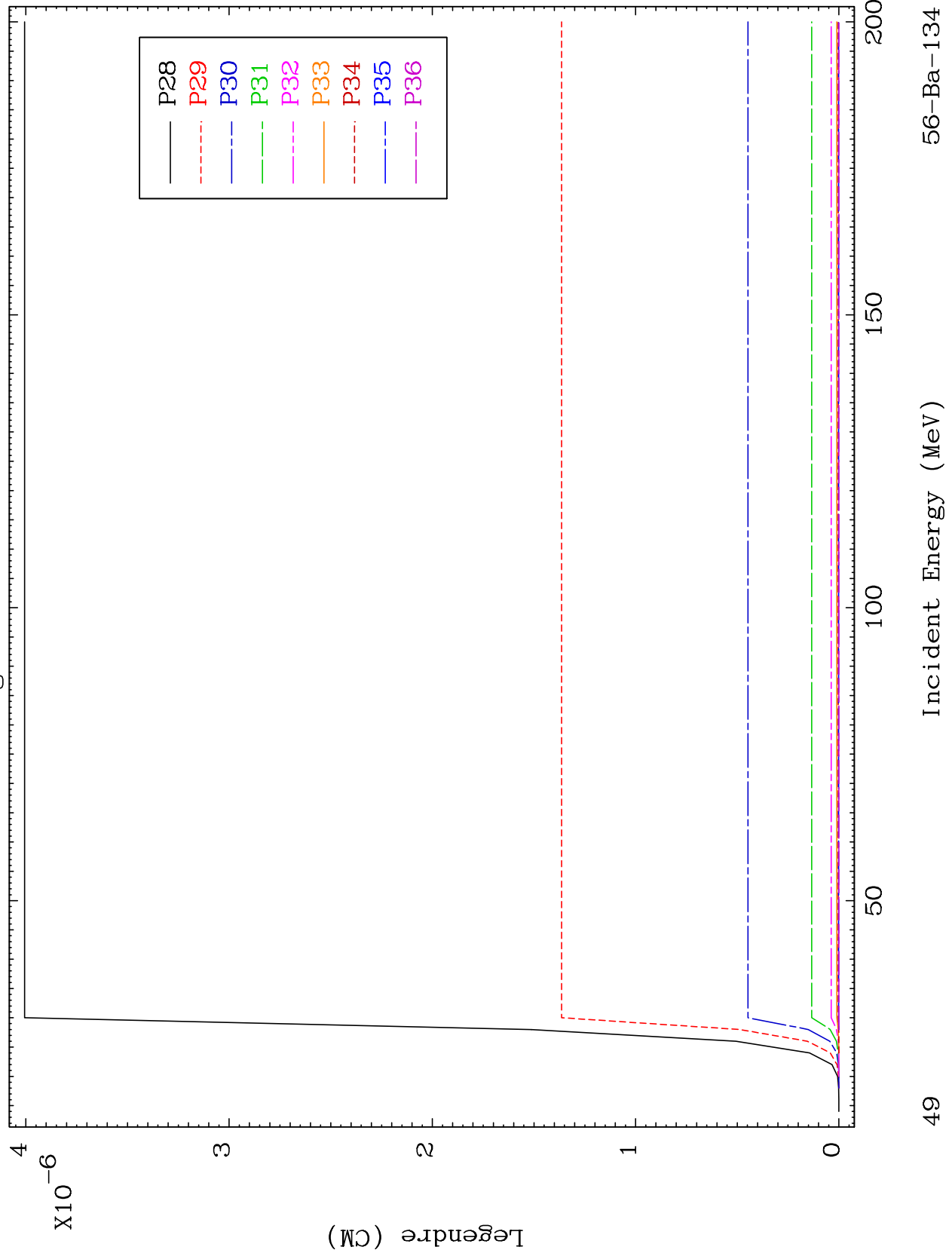
56-Ba-134

200

150

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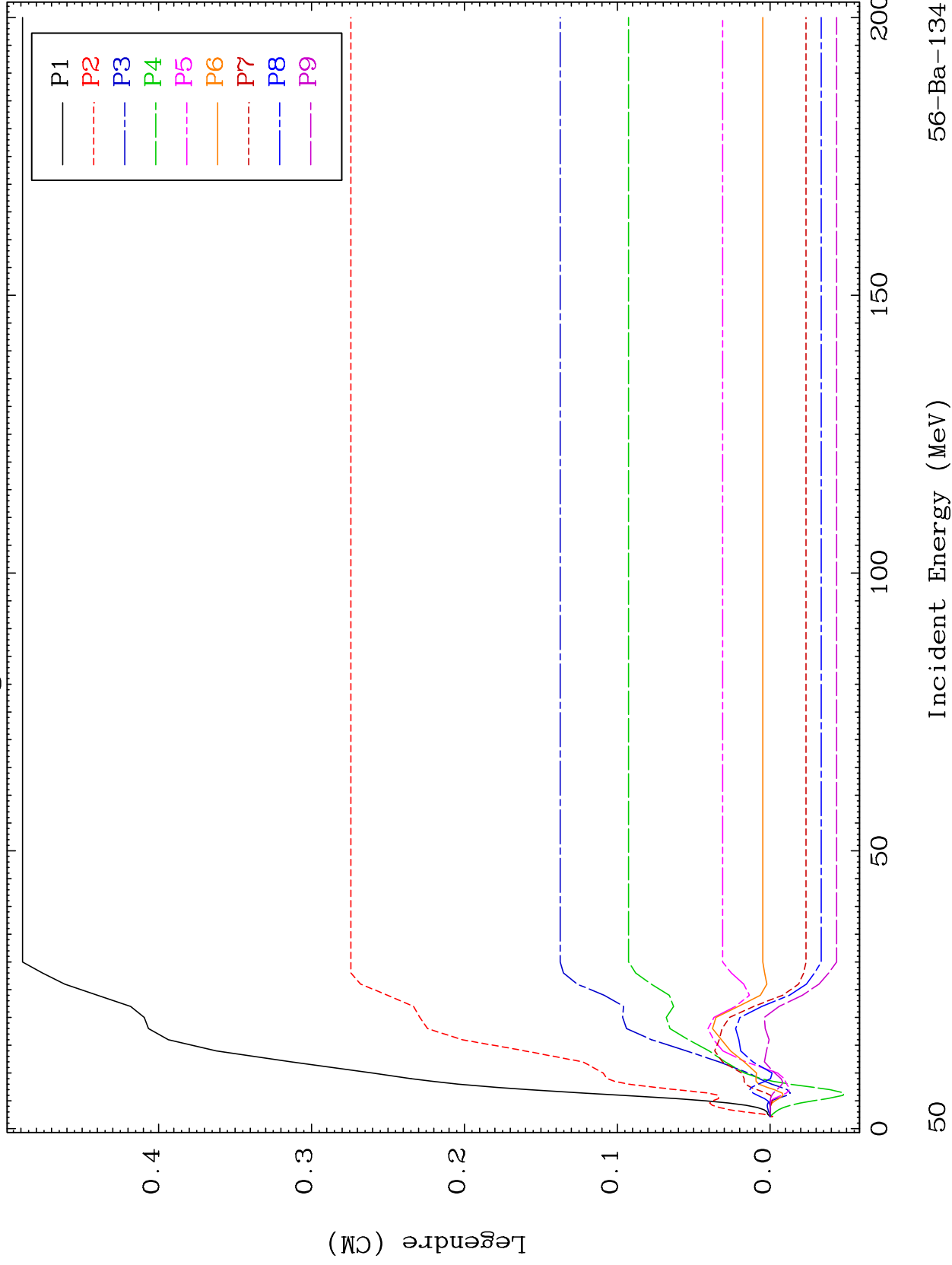
50



MAT 5637

2.088 MeV (n,n') Level
Legendre Coefficients

56-Ba-134

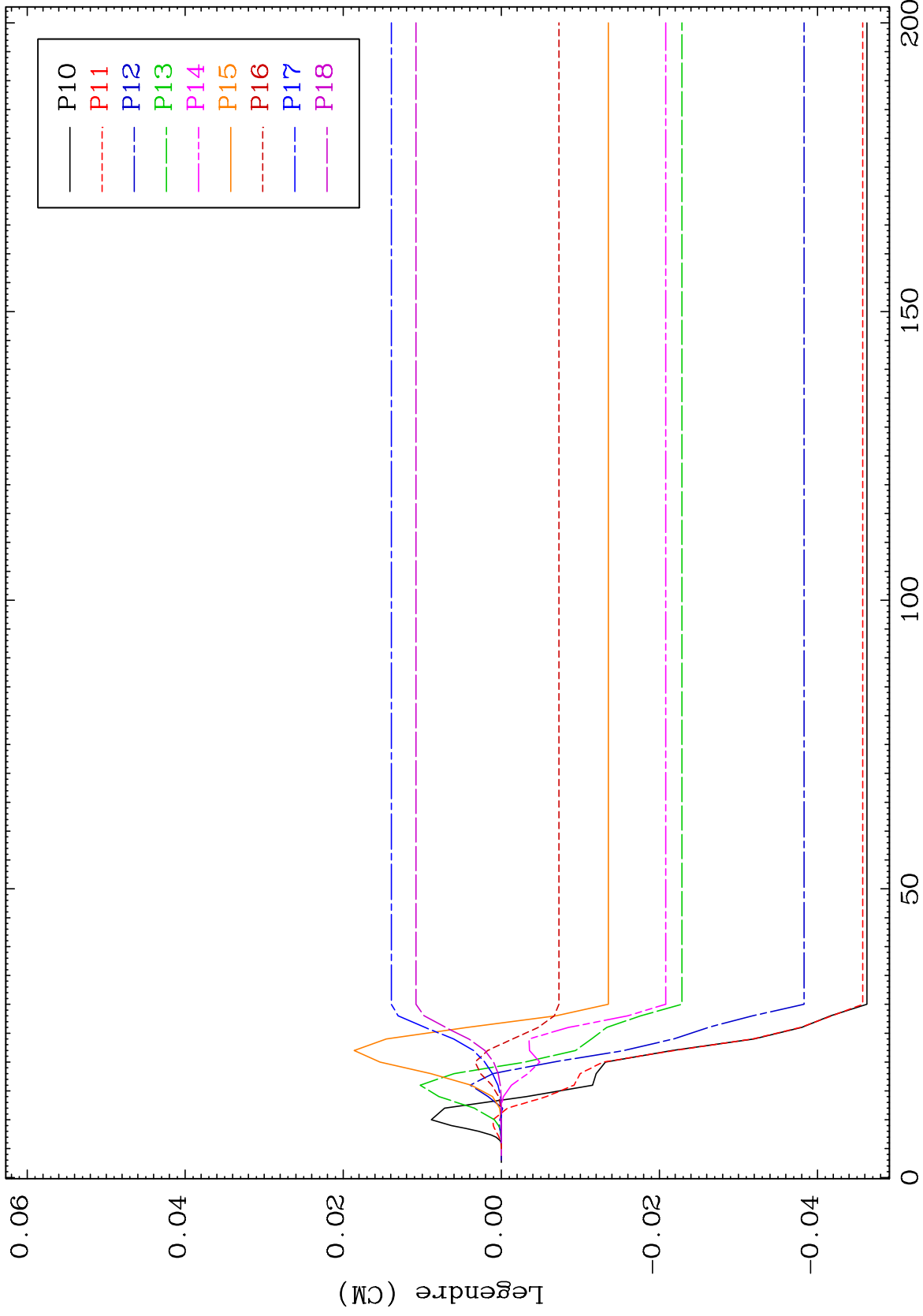


56-Ba-134

MAT 5637

2.088 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



51

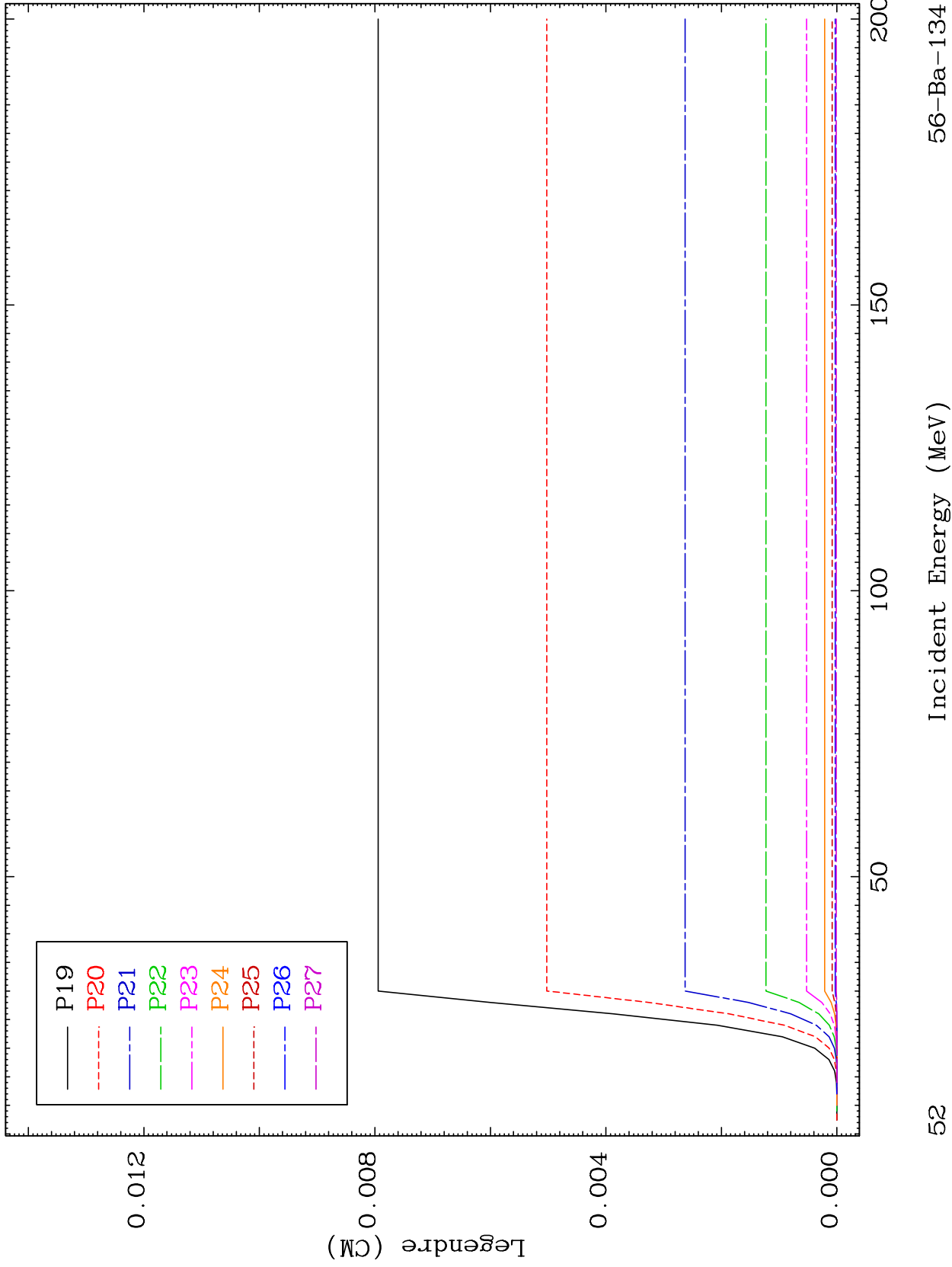
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.088 MeV (n,n') Level
Legendre Coefficients

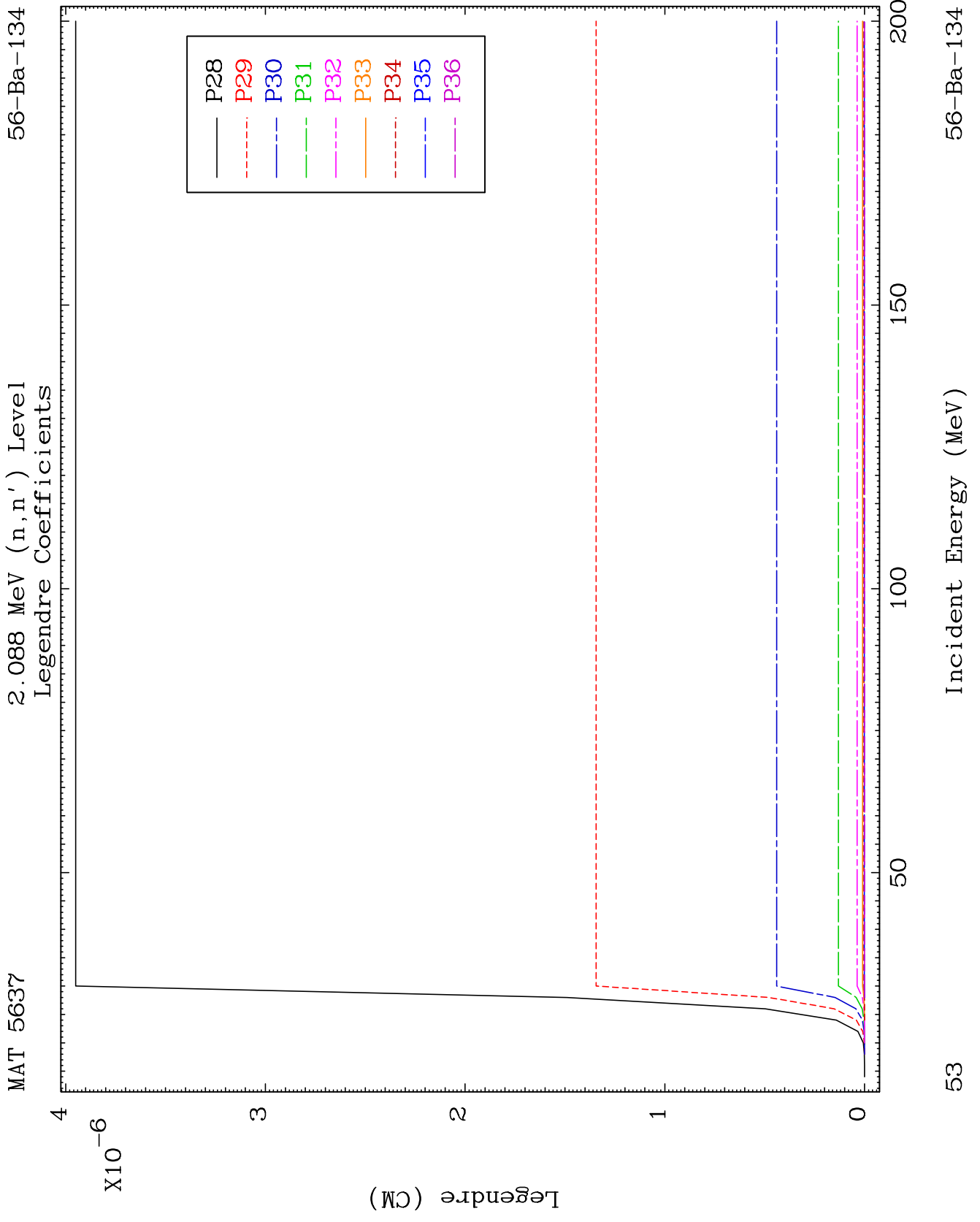
56-Ba-134



52

Incident Energy (MeV)

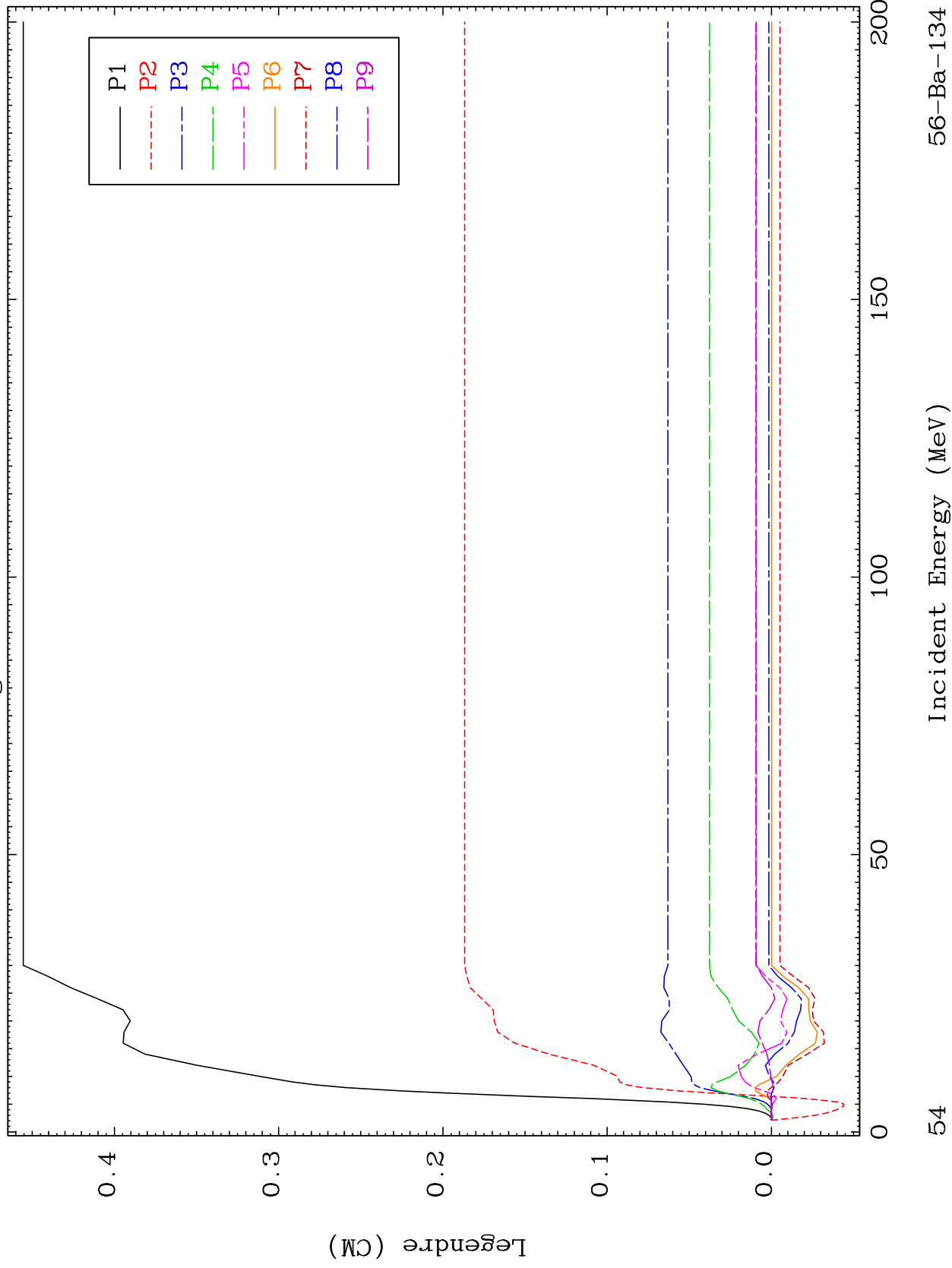
56-Ba-134



MAT 5637

2.118 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

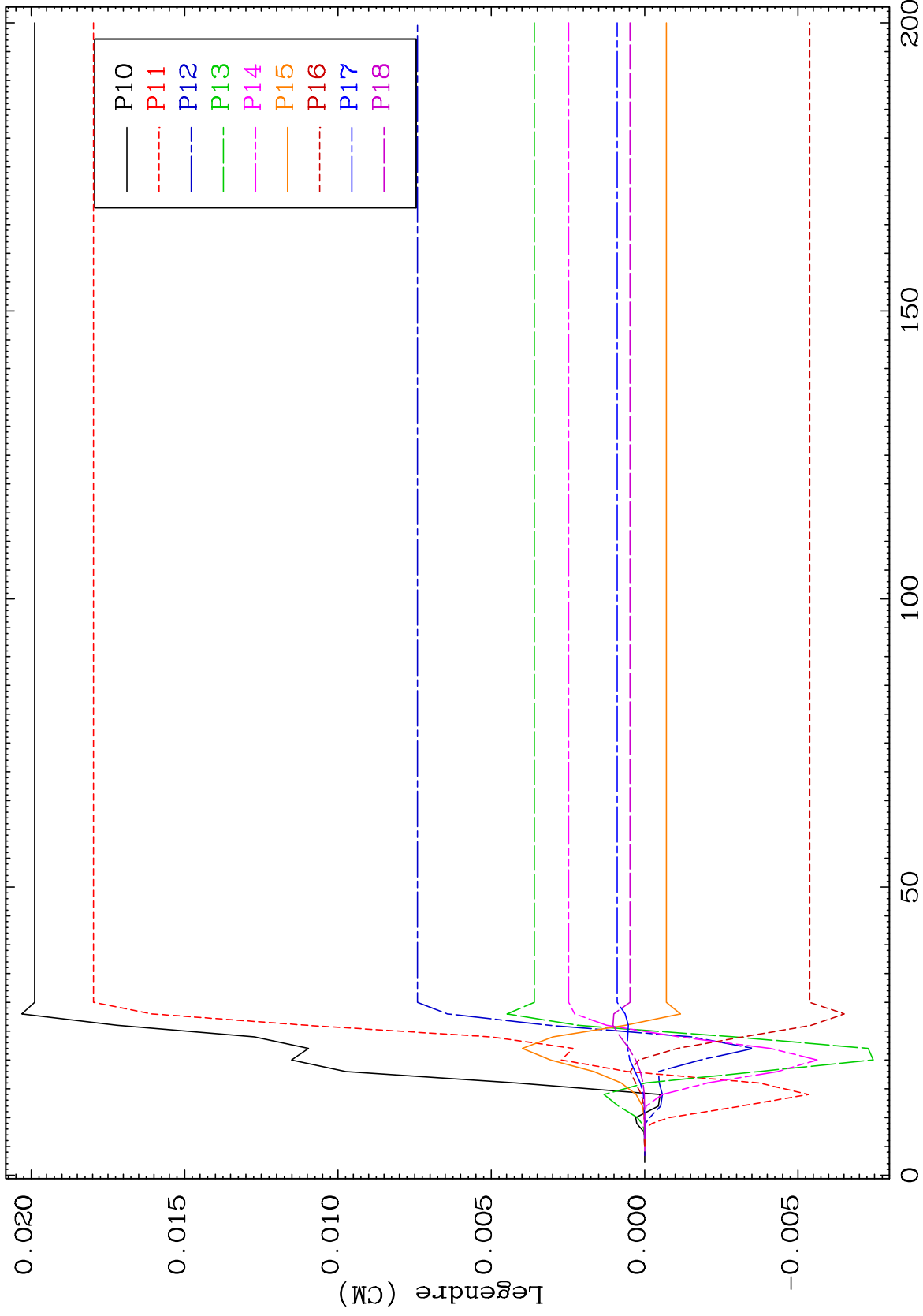
Incident Energy (MeV)

54

MAT 5637

2.118 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

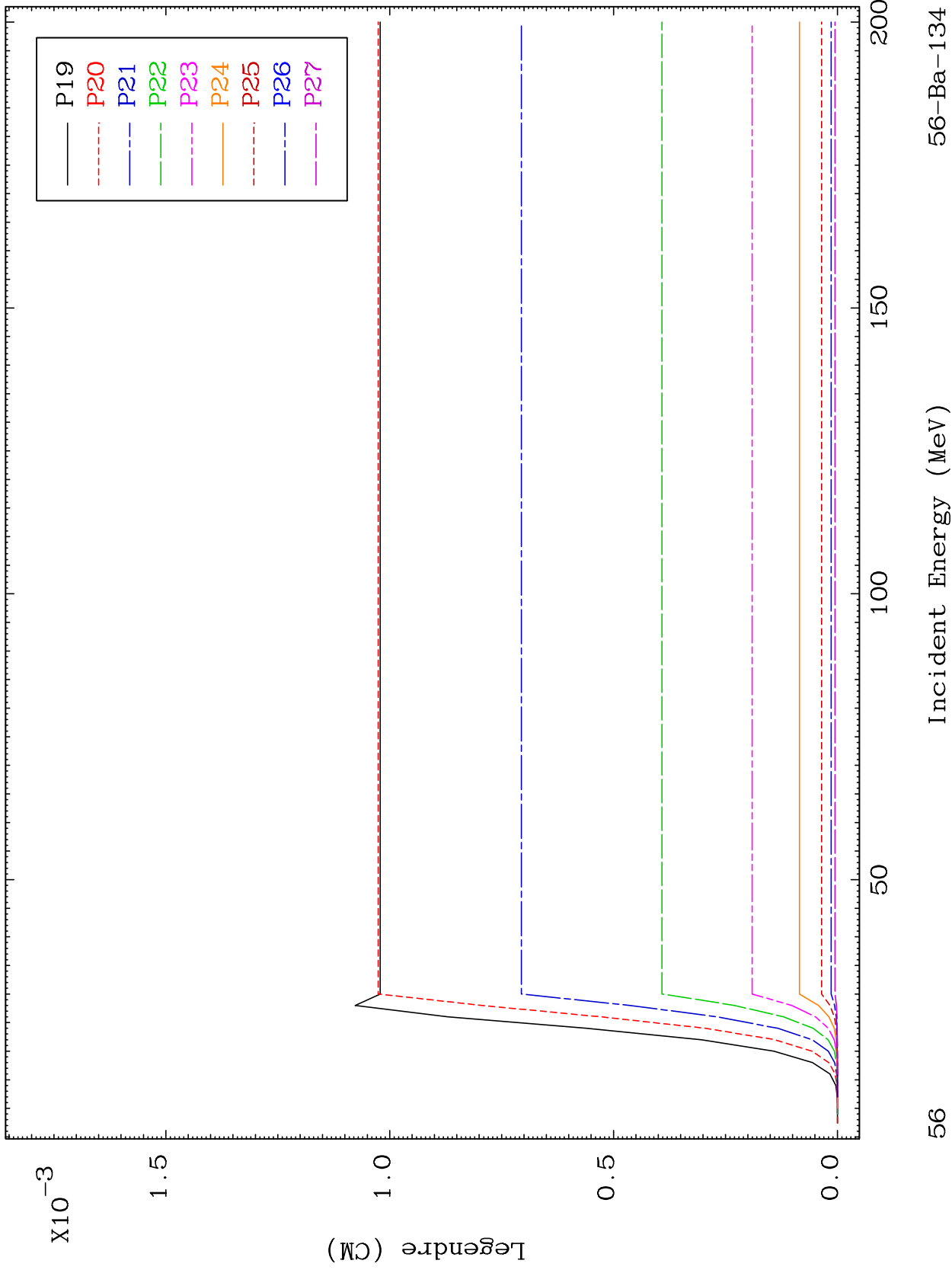
Incident Energy (MeV)

55

MAT 5637

2.118 MeV (n,n') Level
Legendre Coefficients

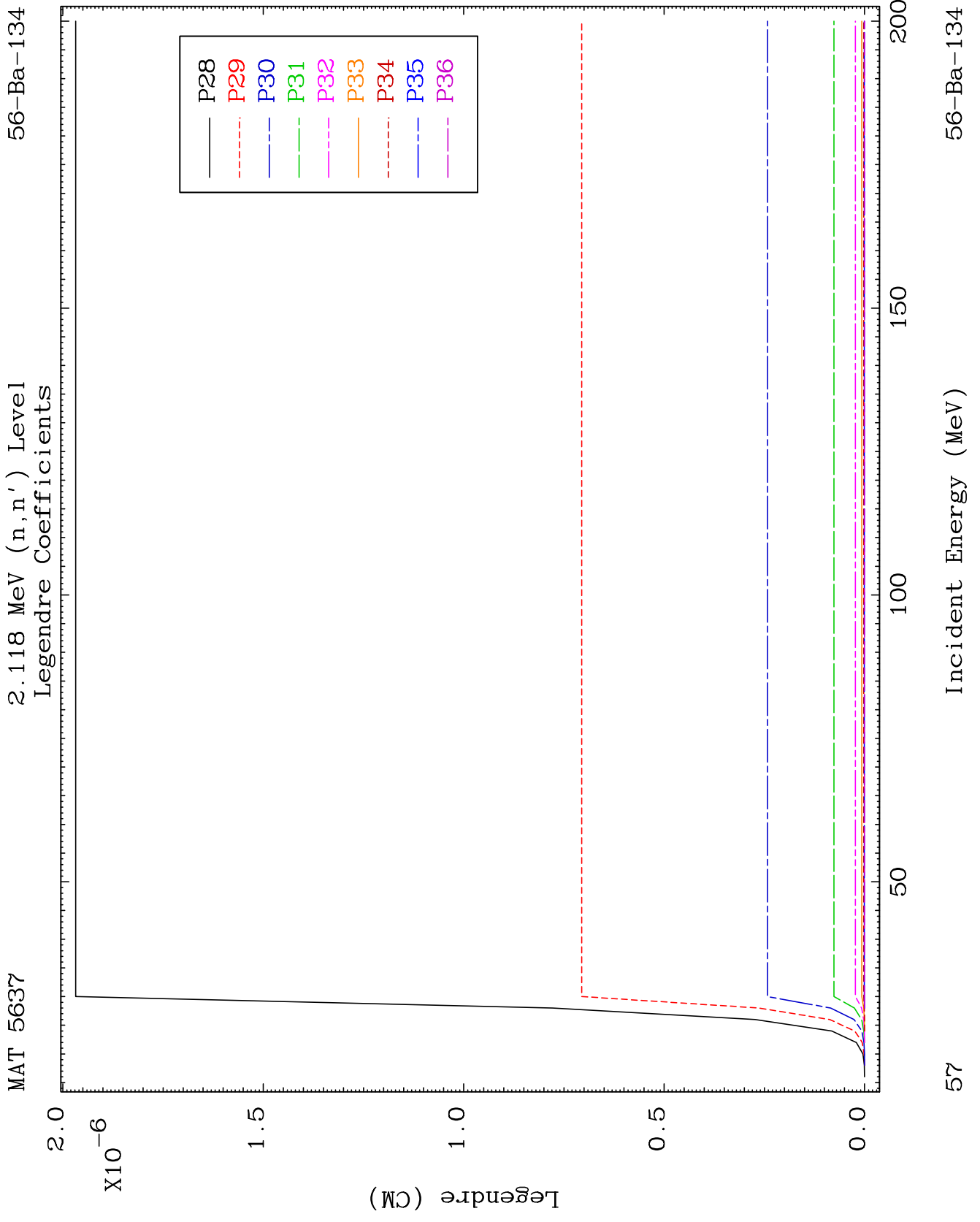
56-Ba-134

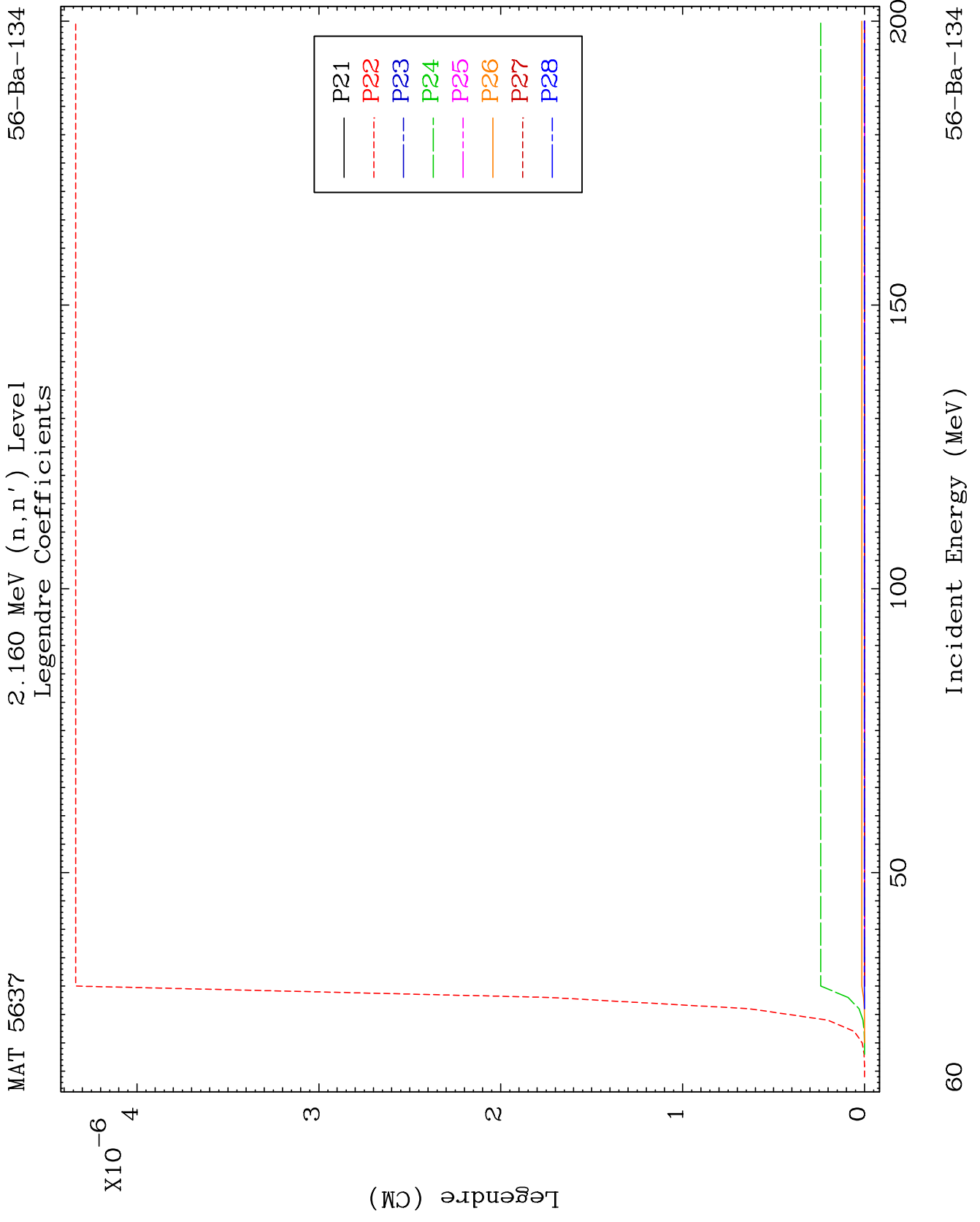


56

Incident Energy (MeV)

56-Ba-134

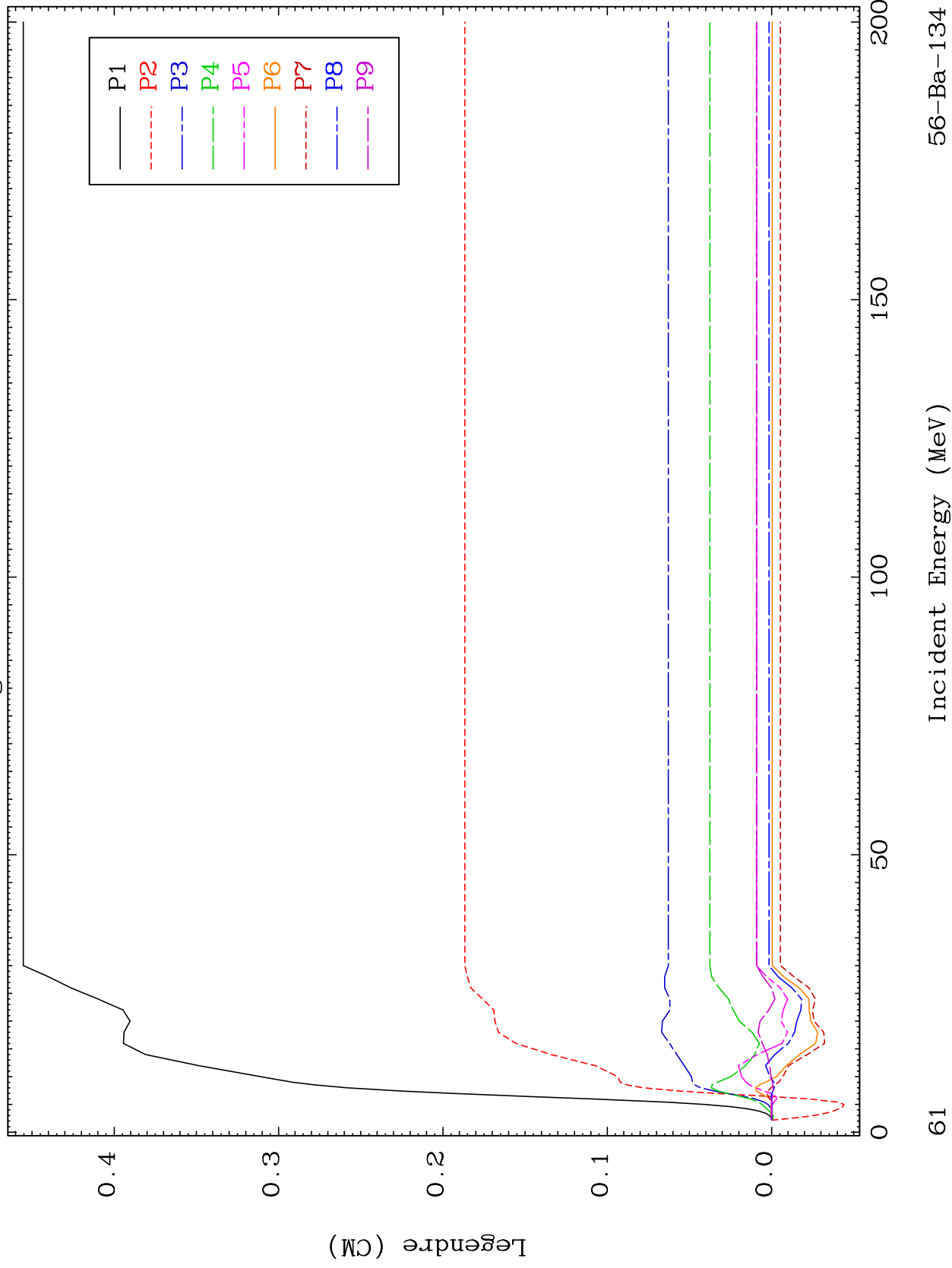




MAT 5637

2.165 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



61

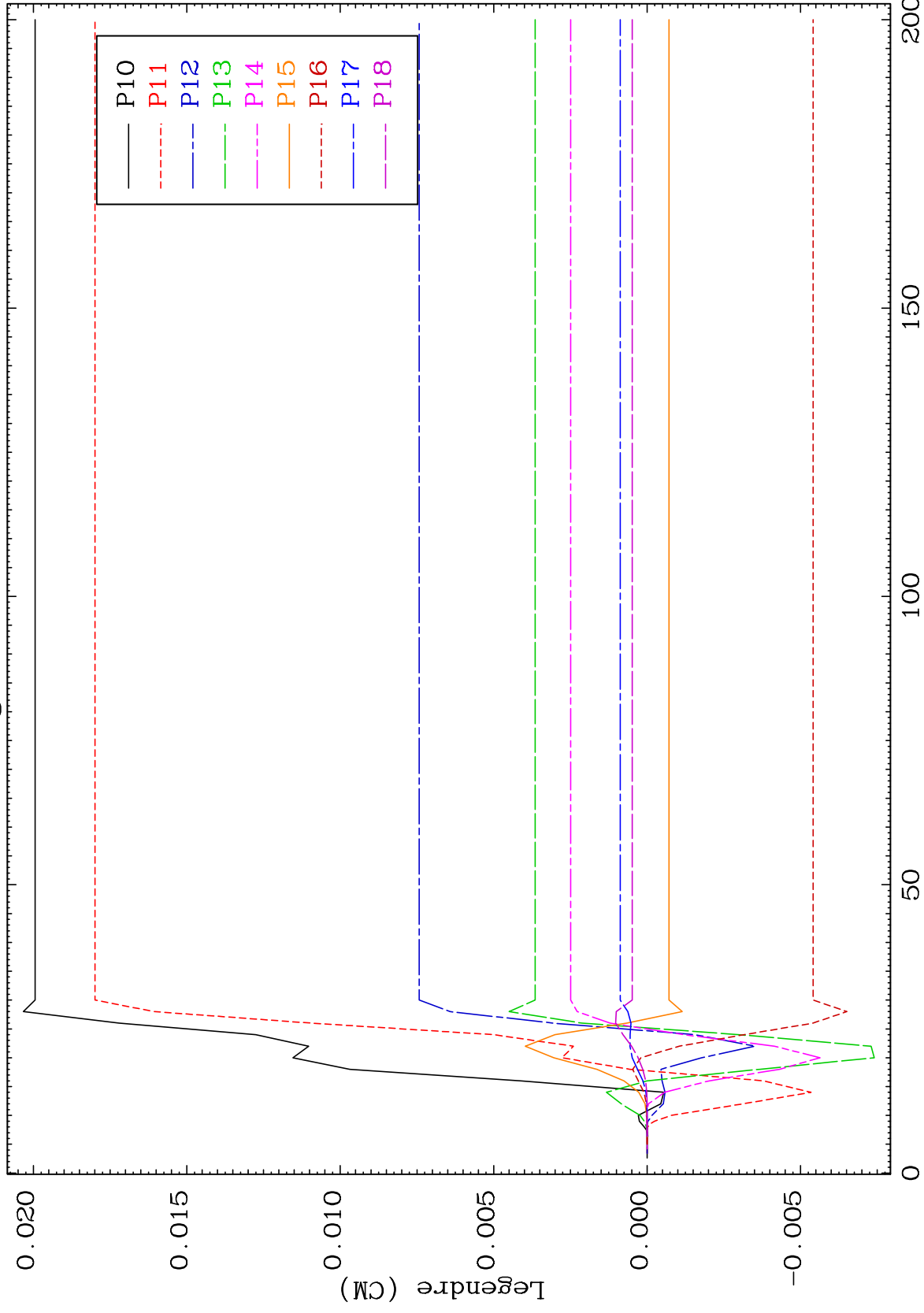
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.165 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



62

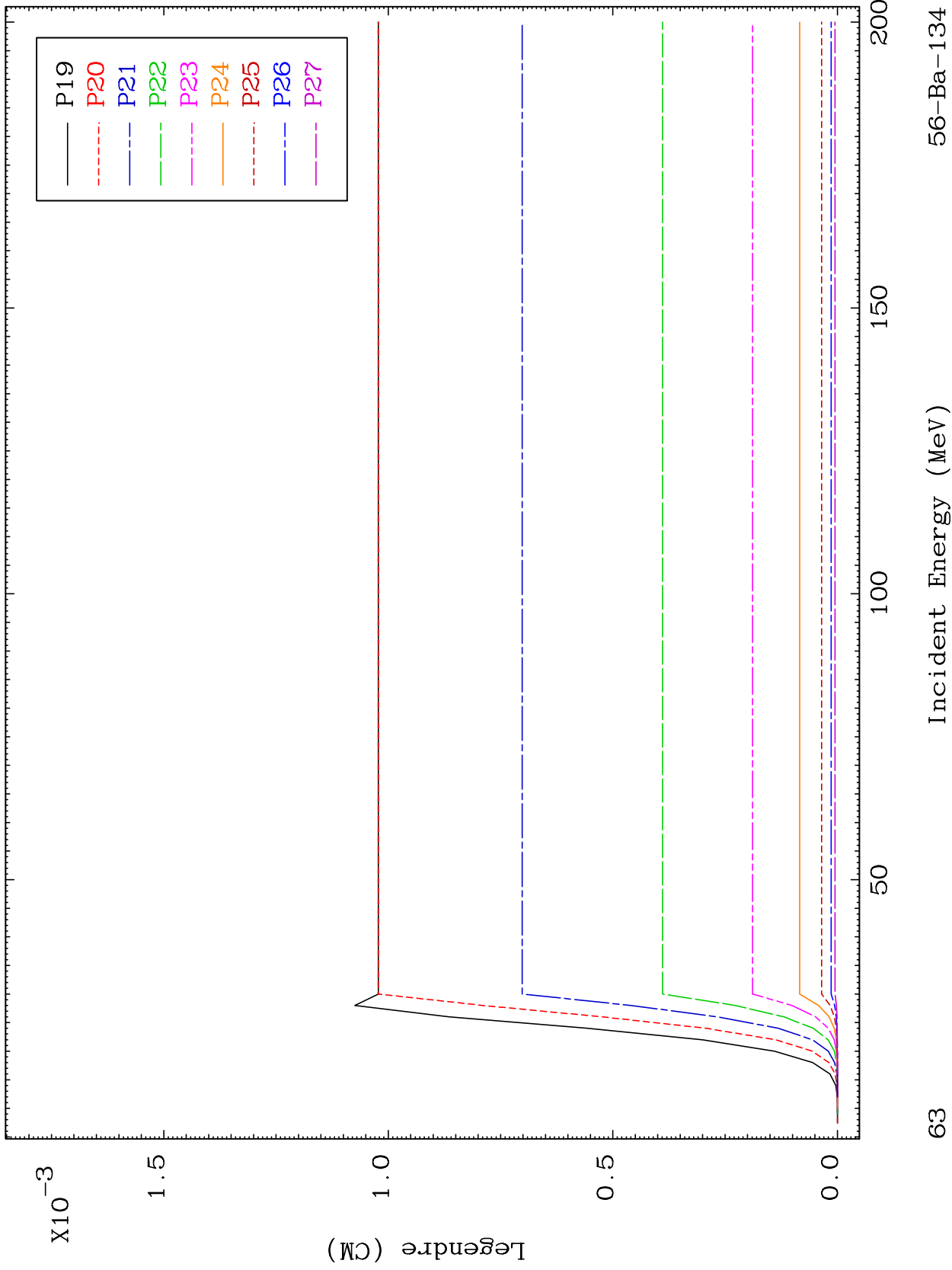
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.165 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



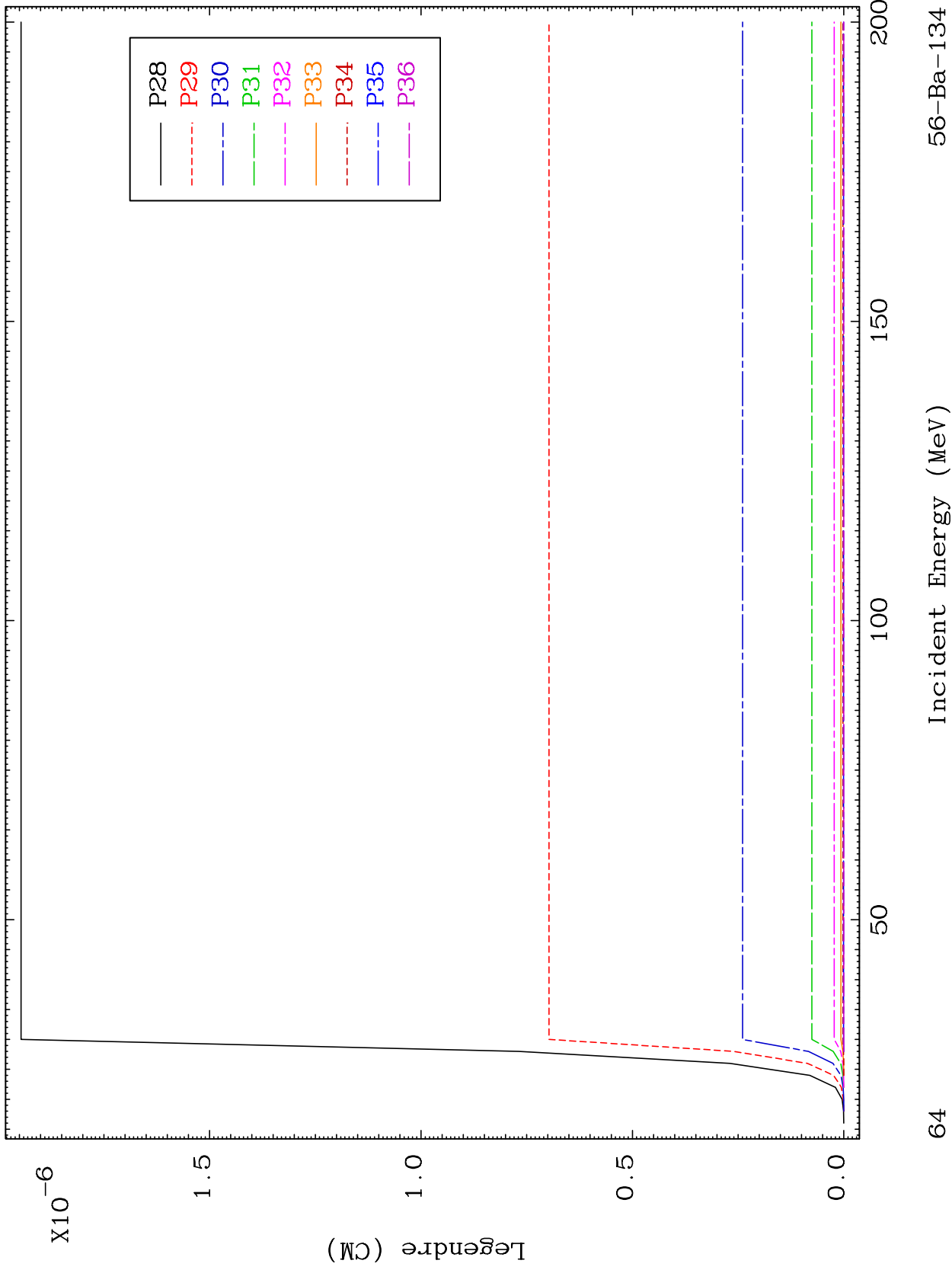
63

56-Ba-134

MAT 5637

2.165 MeV (n,n') Level
Legendre Coefficients

56-Ba-134

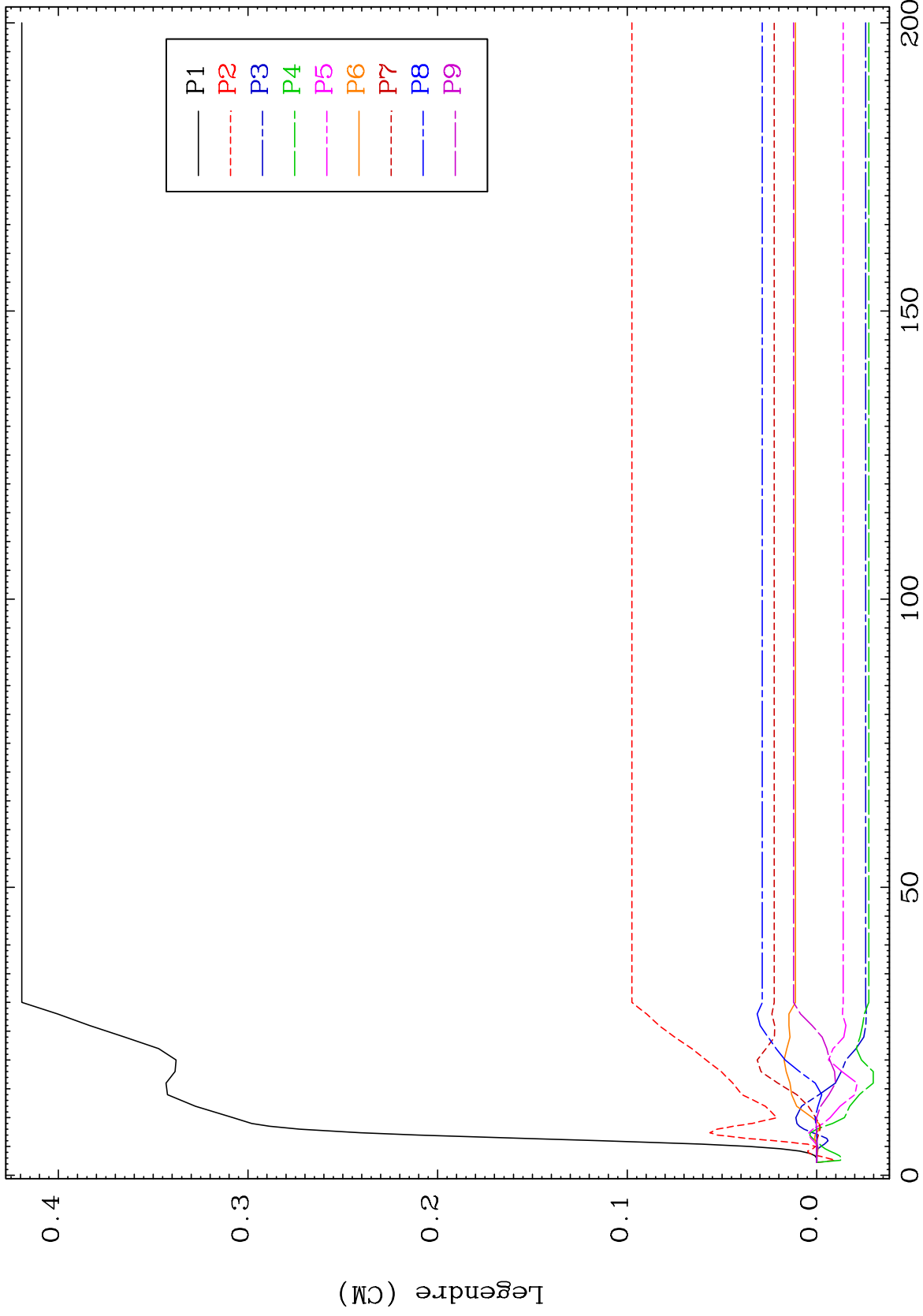


64

MAT 5637

2.211 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

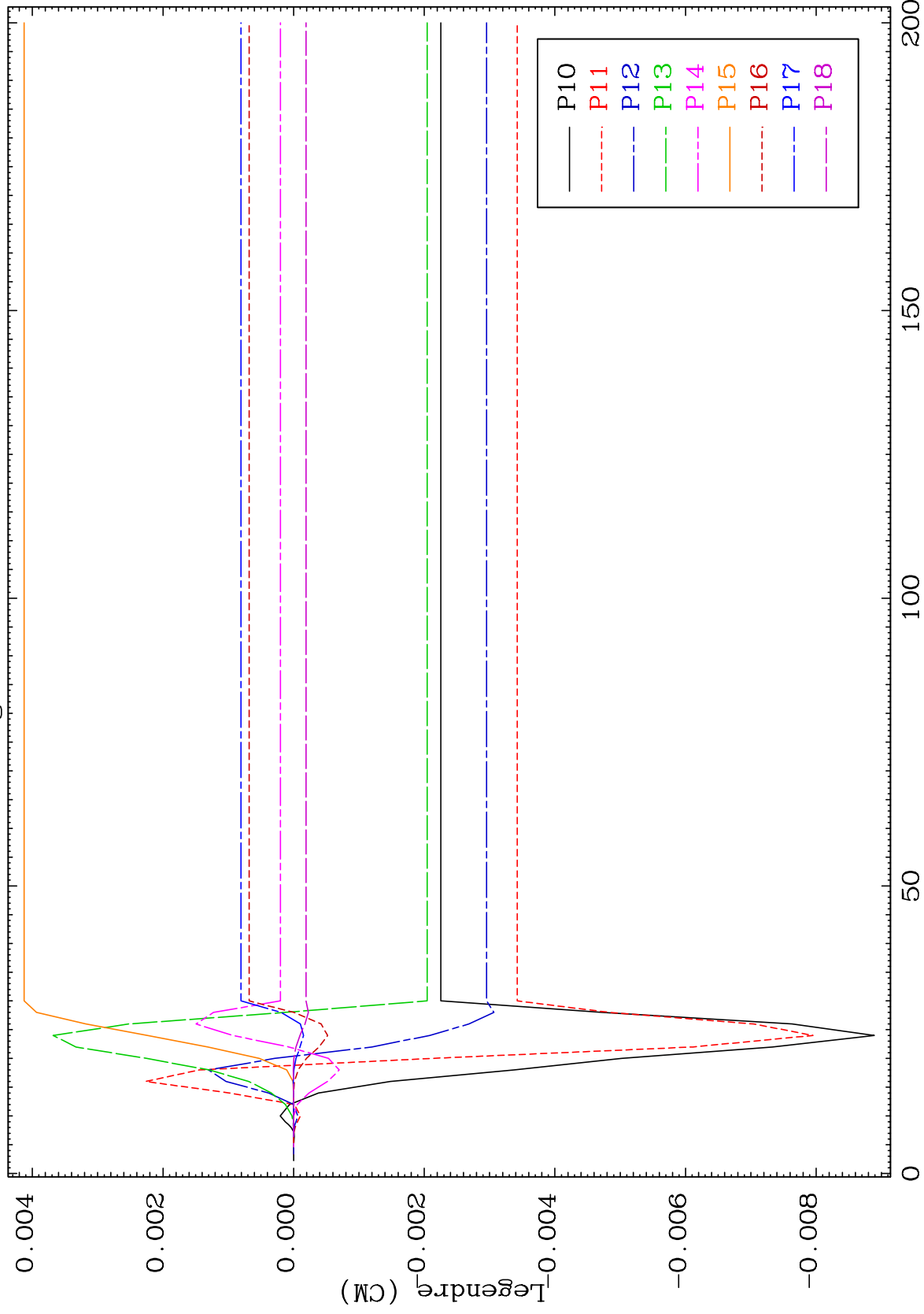
Incident Energy (MeV)

65

MAT 5637

2.211 MeV (n, n') Level
Legendre Coefficients

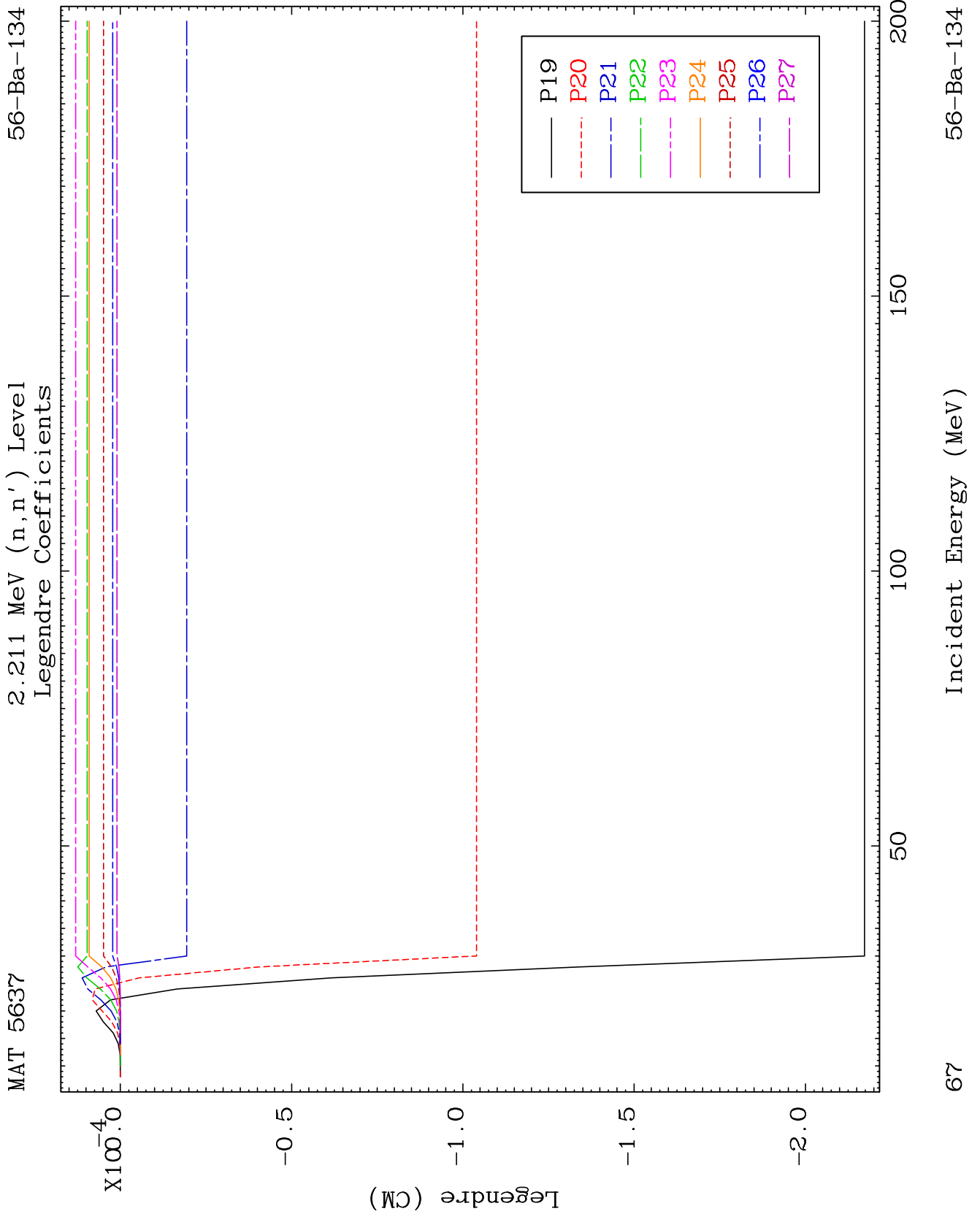
56-Ba-134

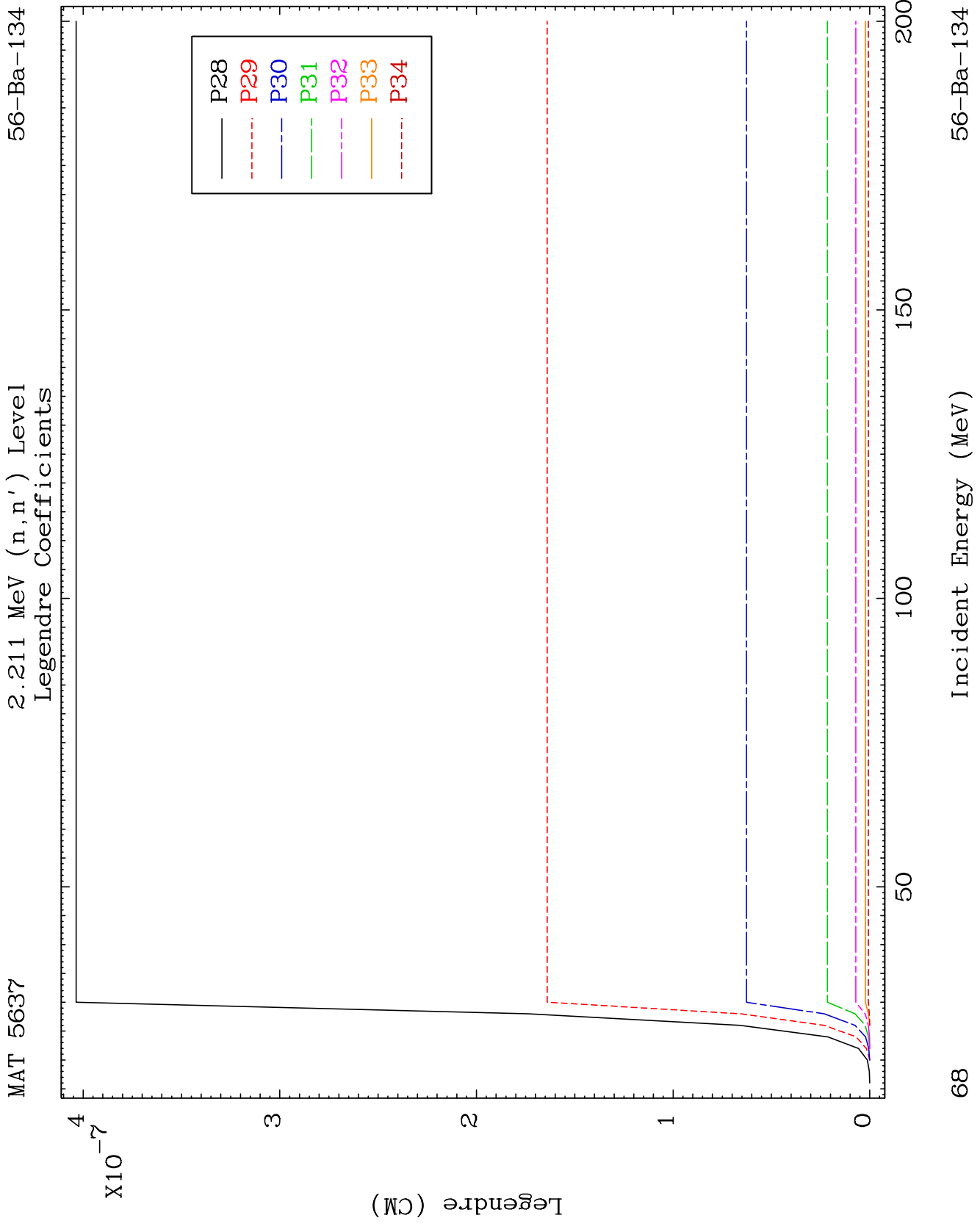


66

Incident Energy (MeV)

56-Ba-134

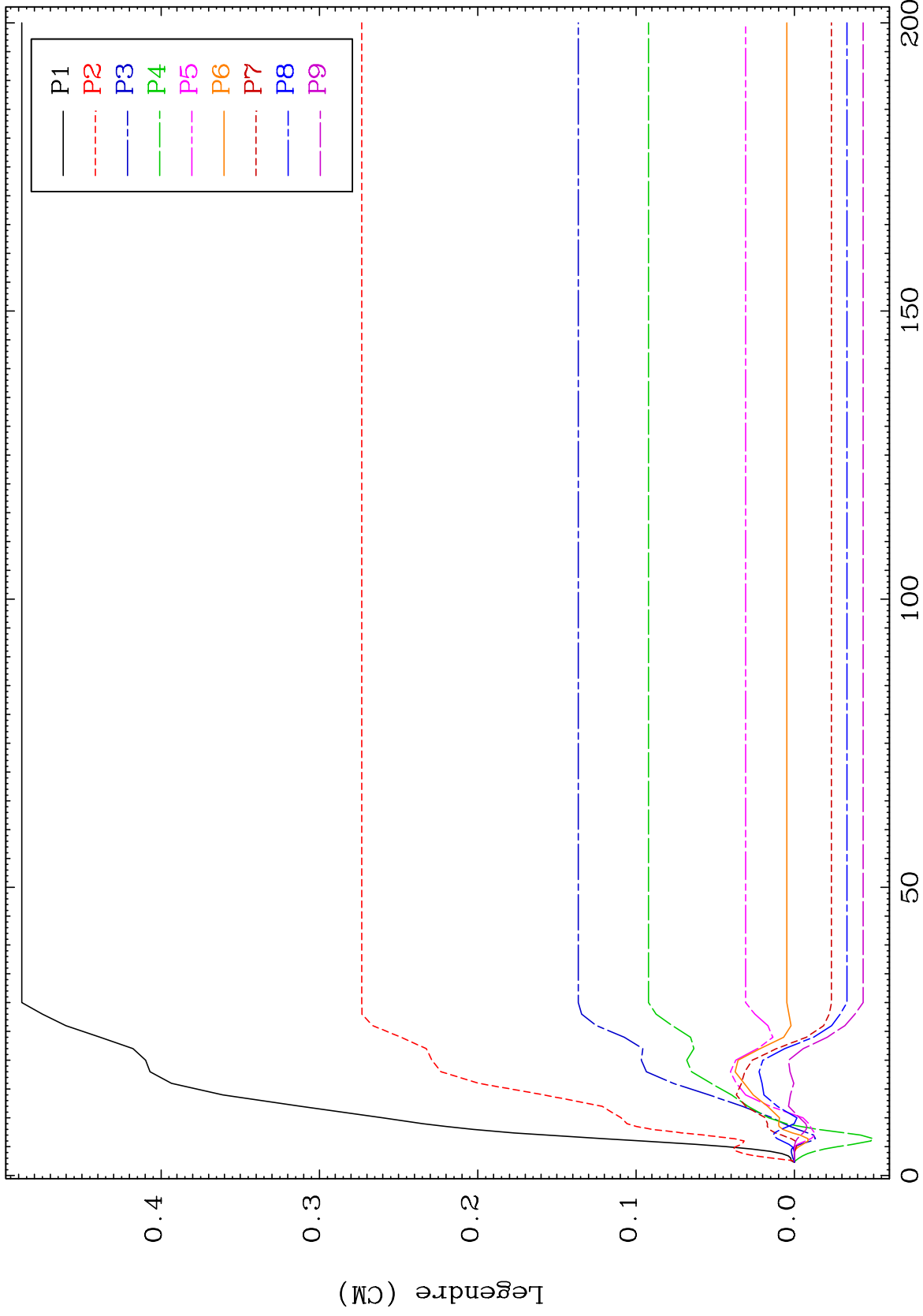




MAT 5637

2.245 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



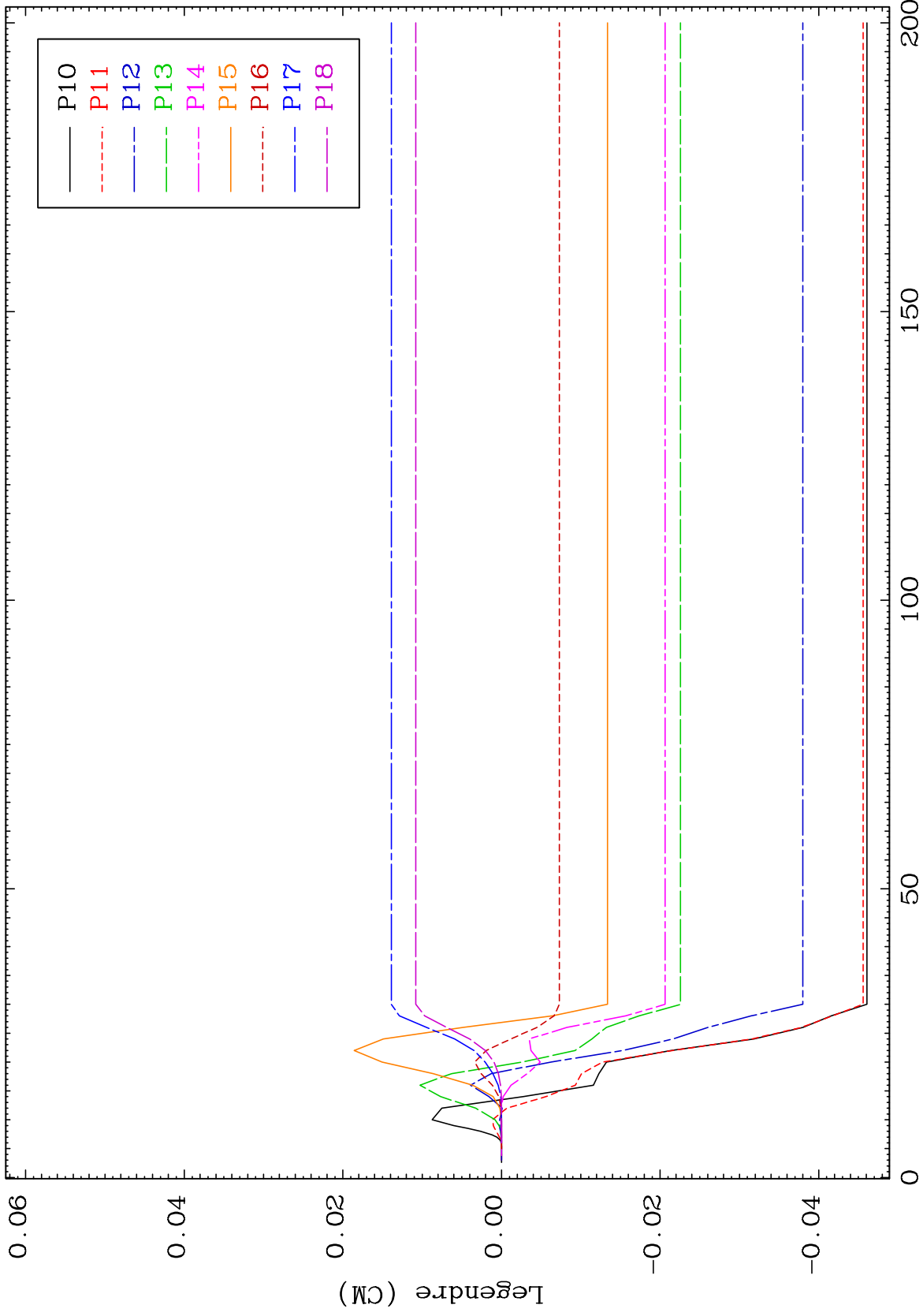
69

56-Ba-134

MAT 5637

2.245 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



70

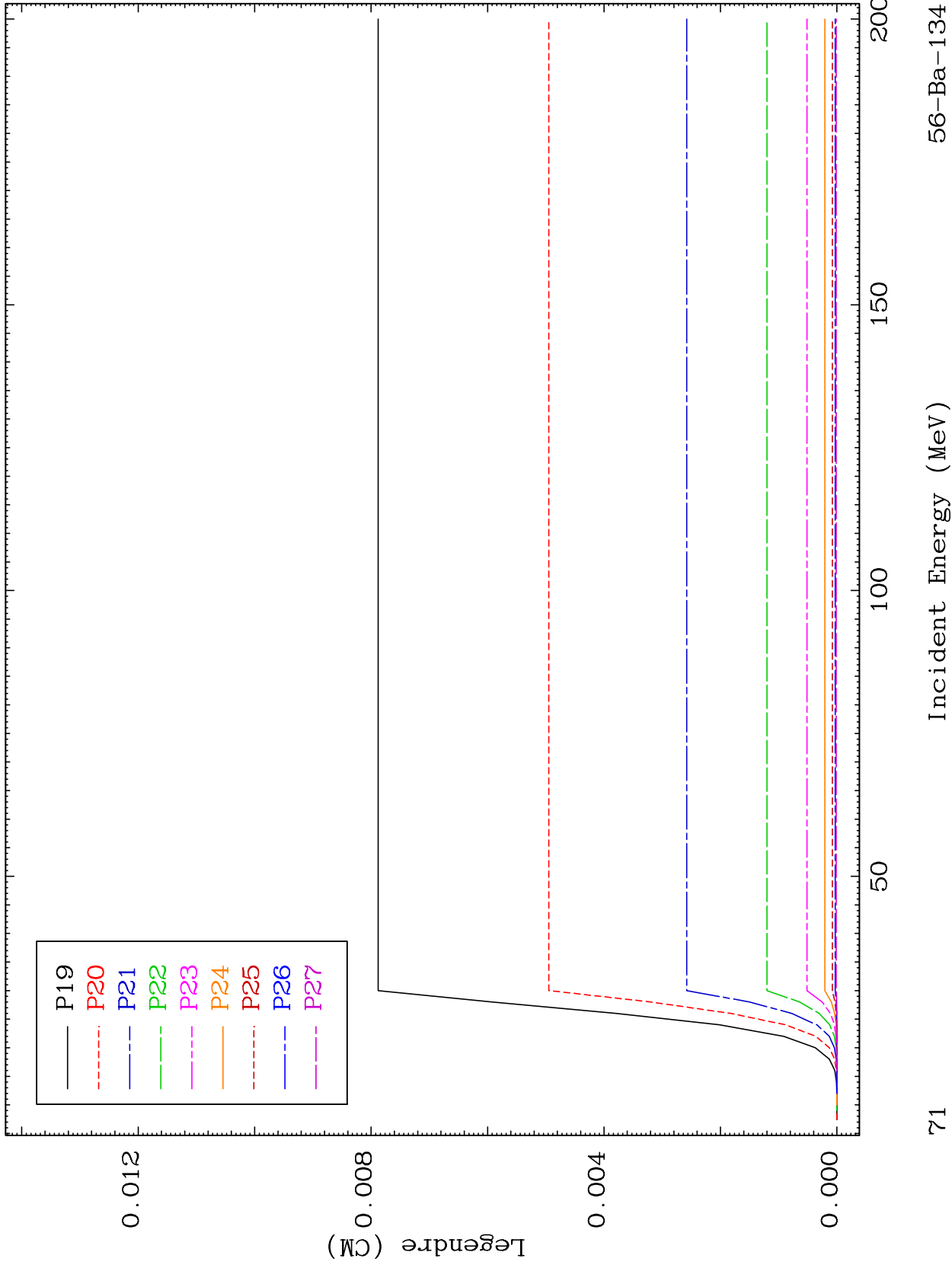
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.245 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



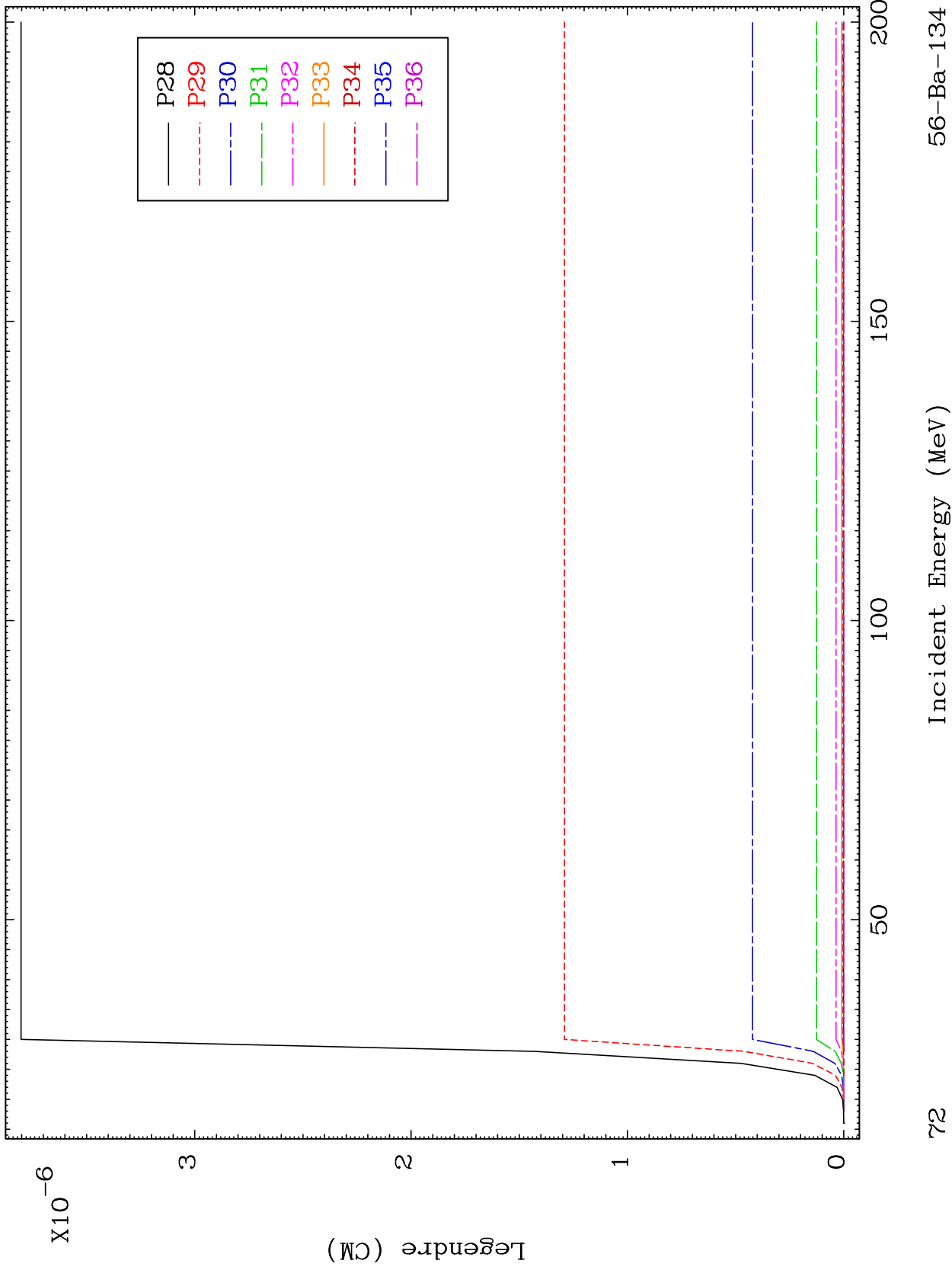
71

56-Ba-134

MAT 5637

2.245 MeV (n,n') Level
Legendre Coefficients

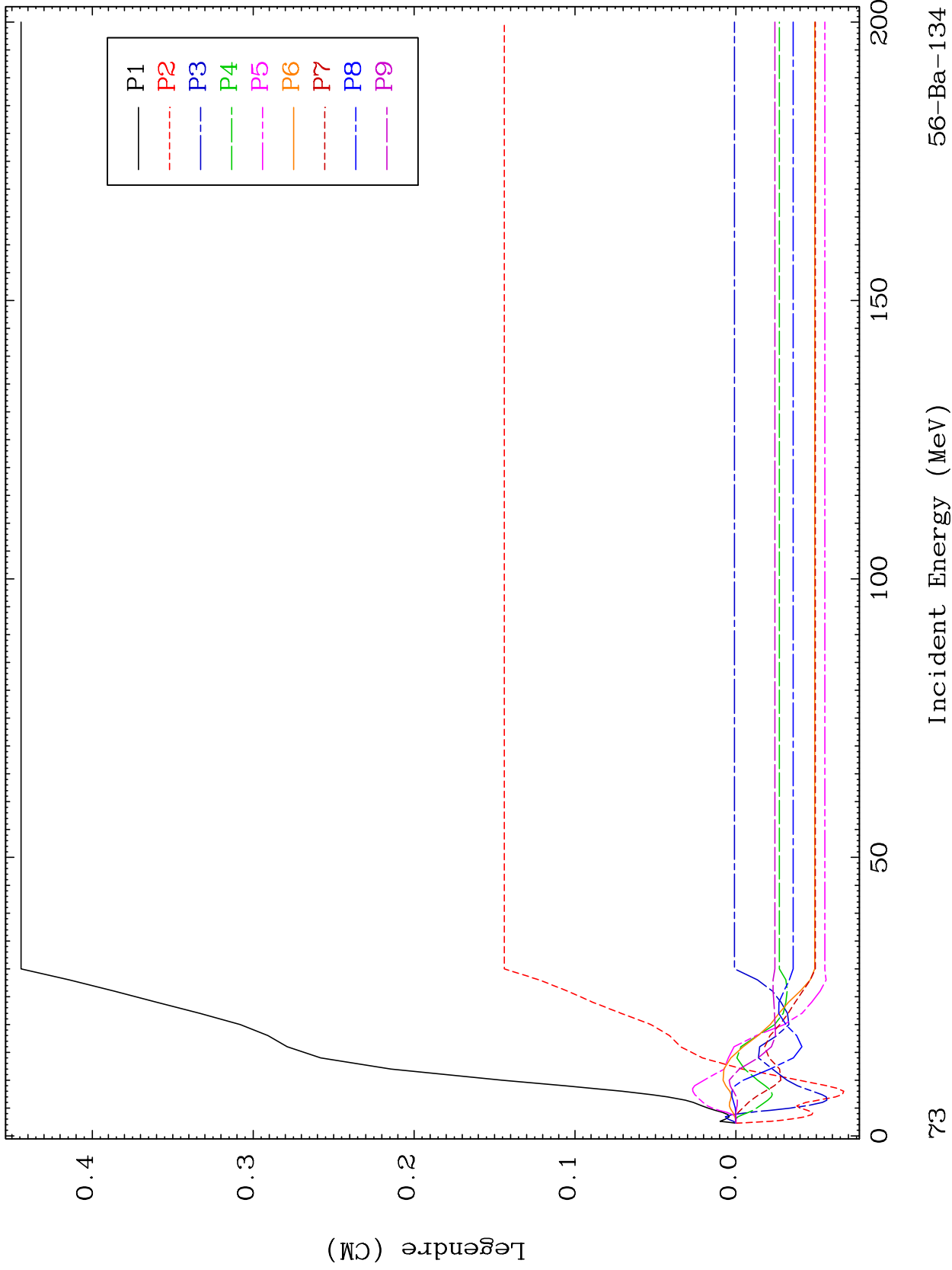
56-Ba-134



MAT 5637

2.255 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



73

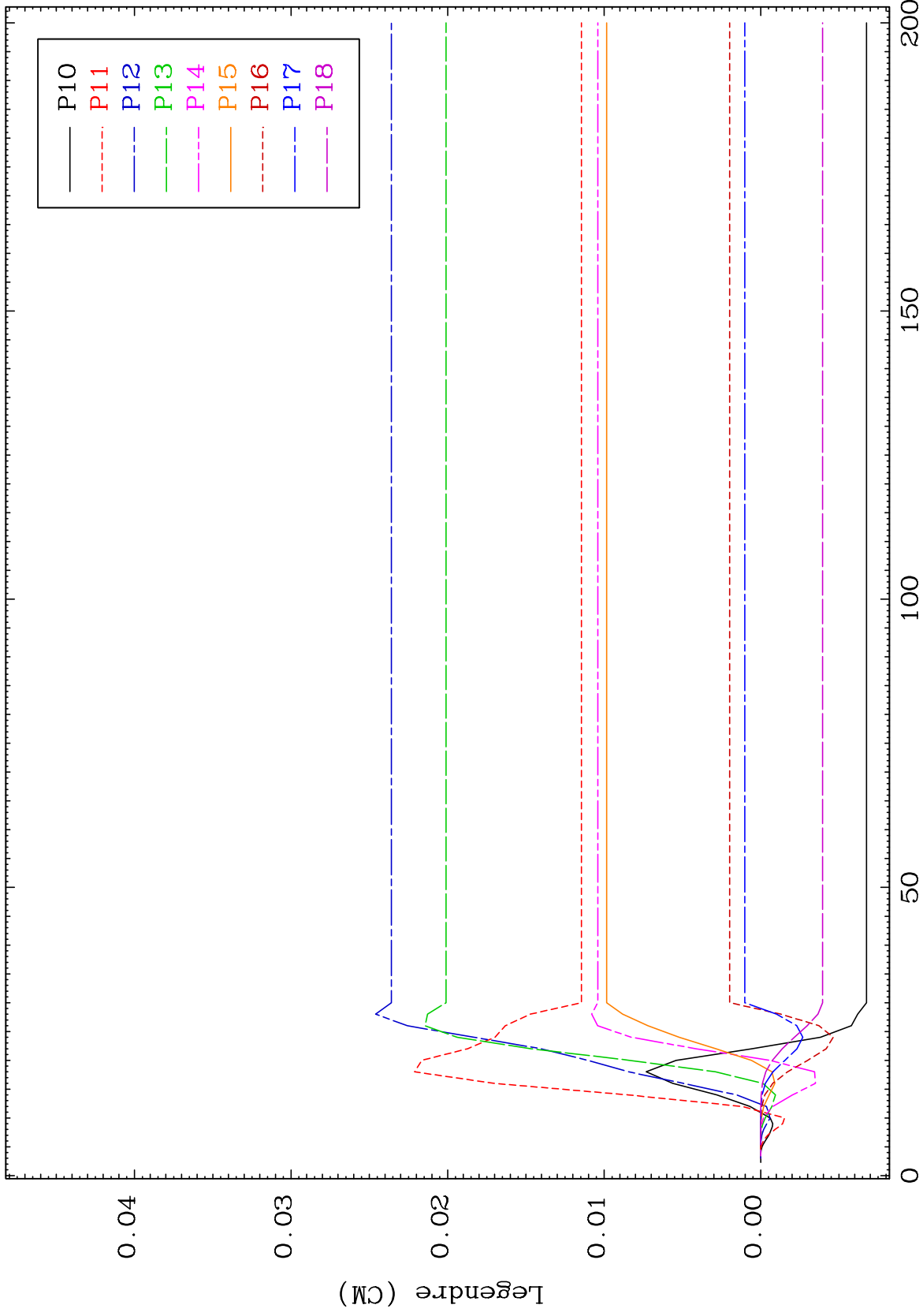
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.255 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



74

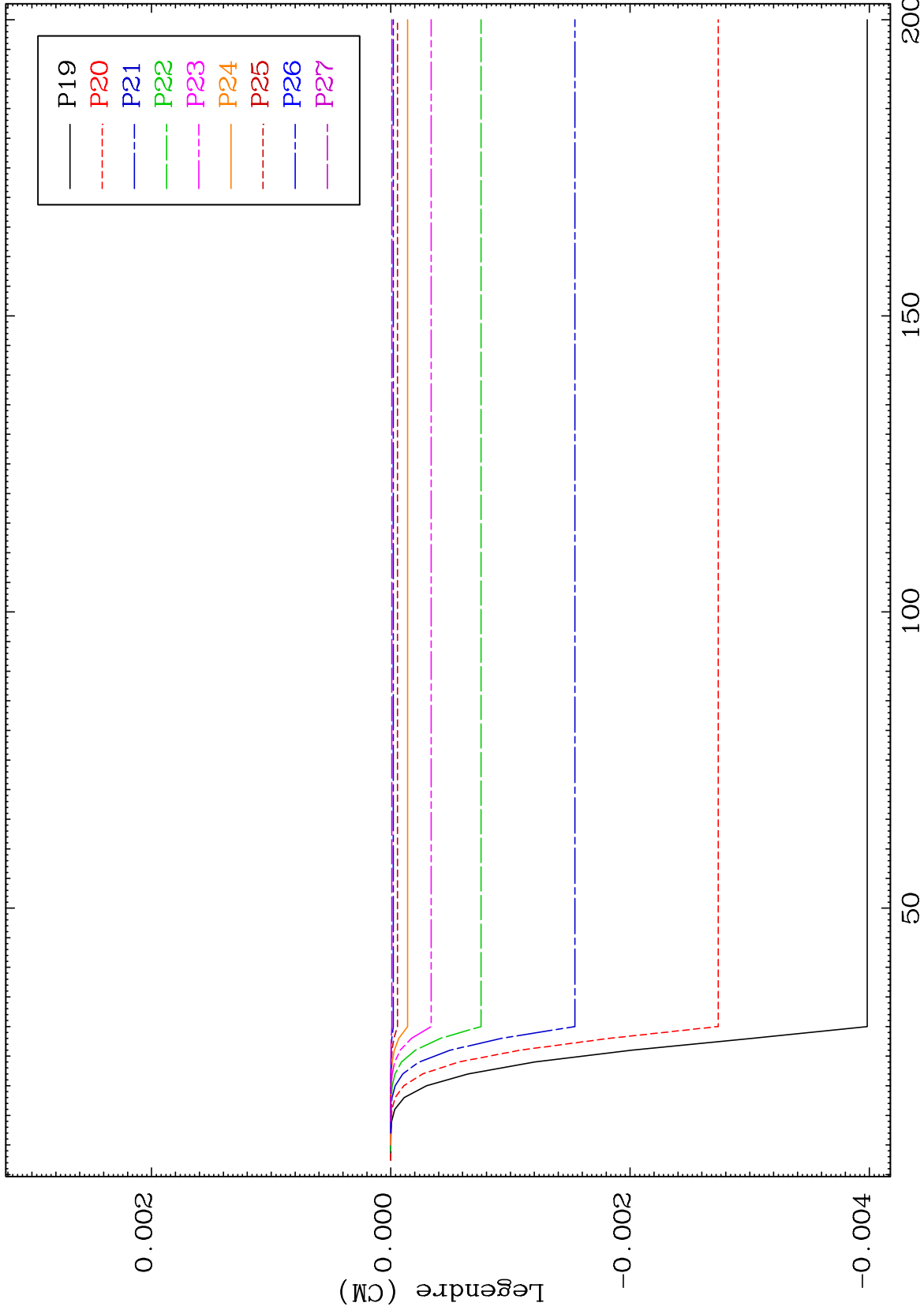
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.255 MeV (n,n') Level
Legendre Coefficients

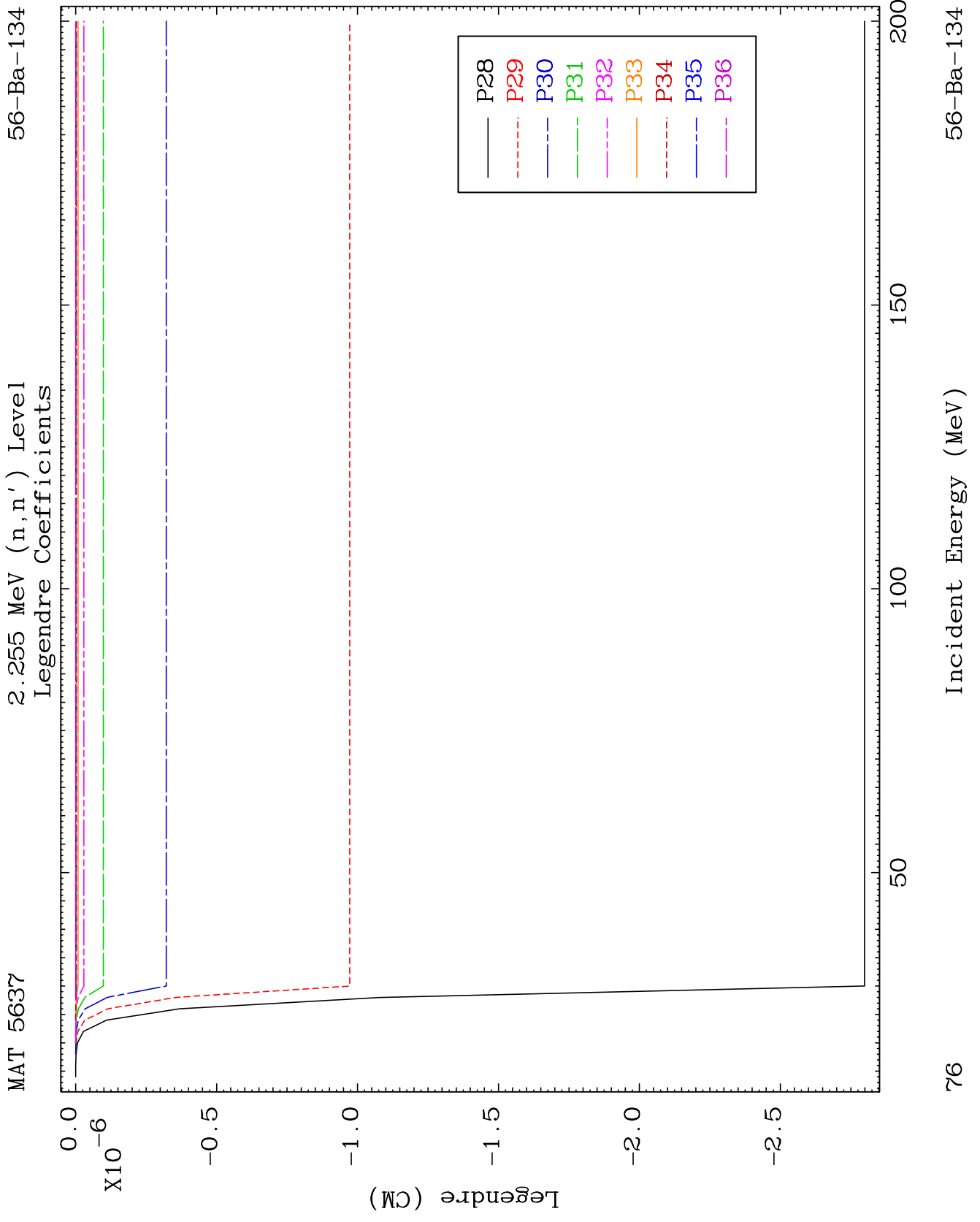
56-Ba-134



75

Incident Energy (MeV)

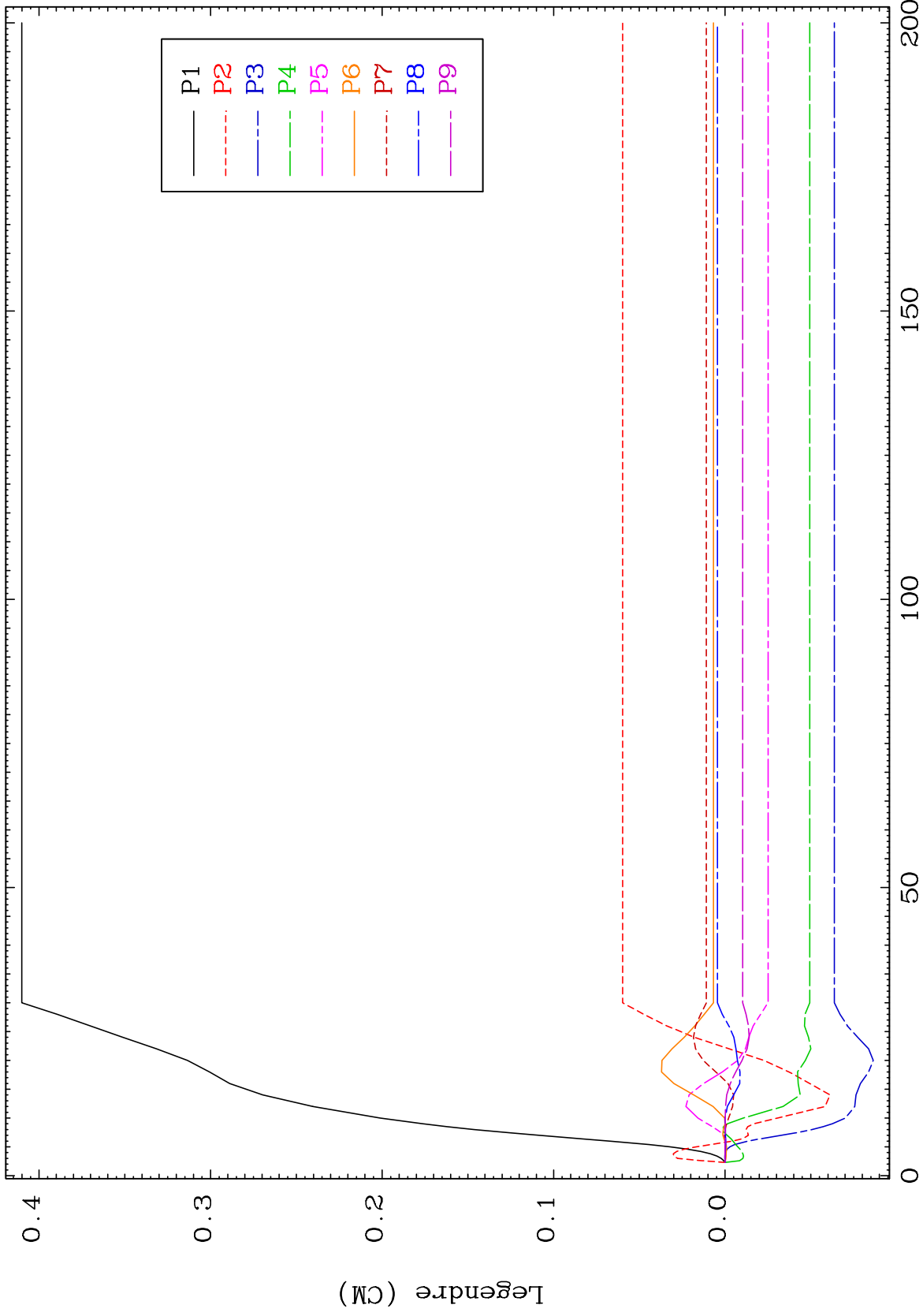
56-Ba-134



MAT 5637

2.272 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



77

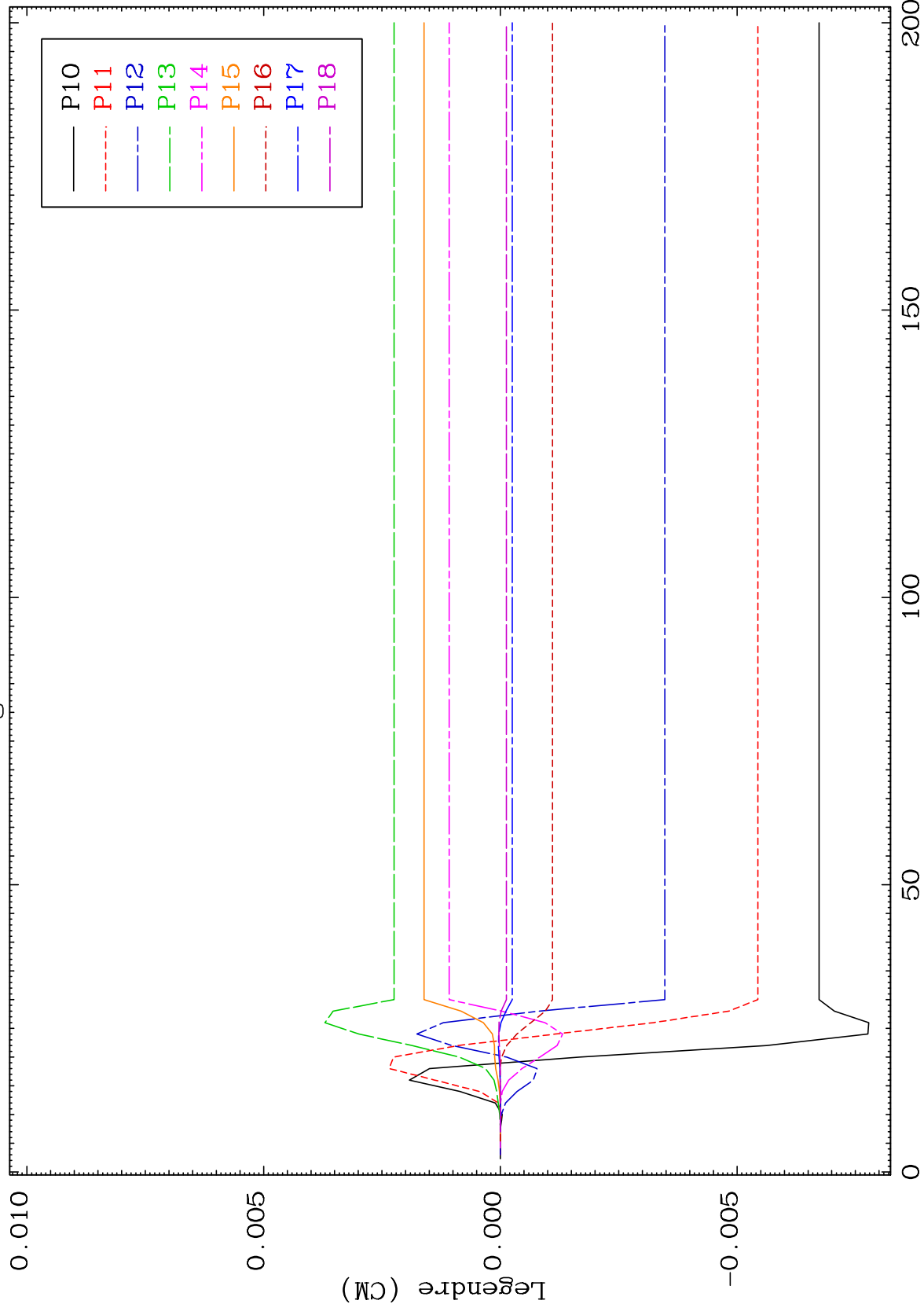
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.272 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



78

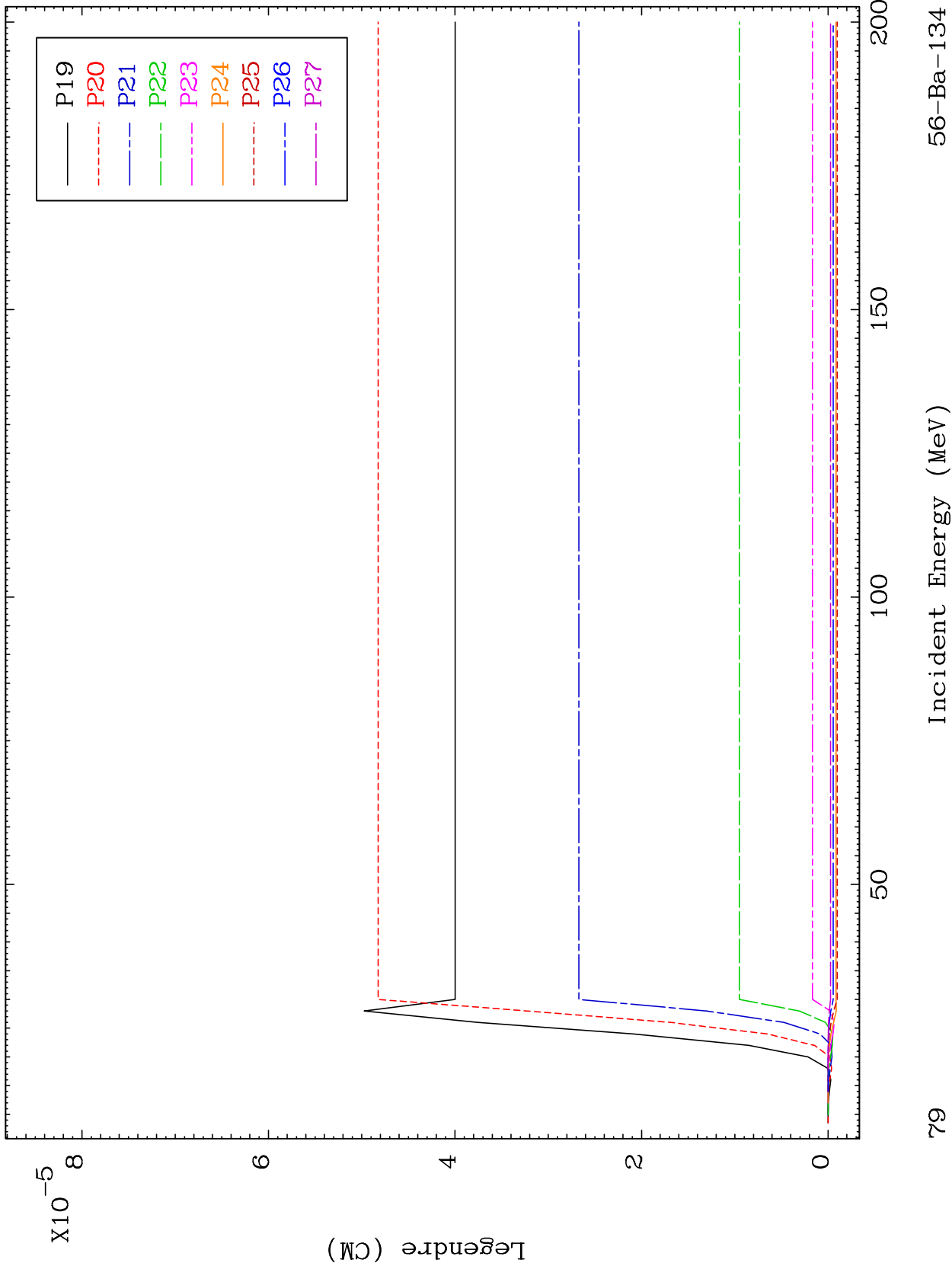
Incident Energy (MeV)

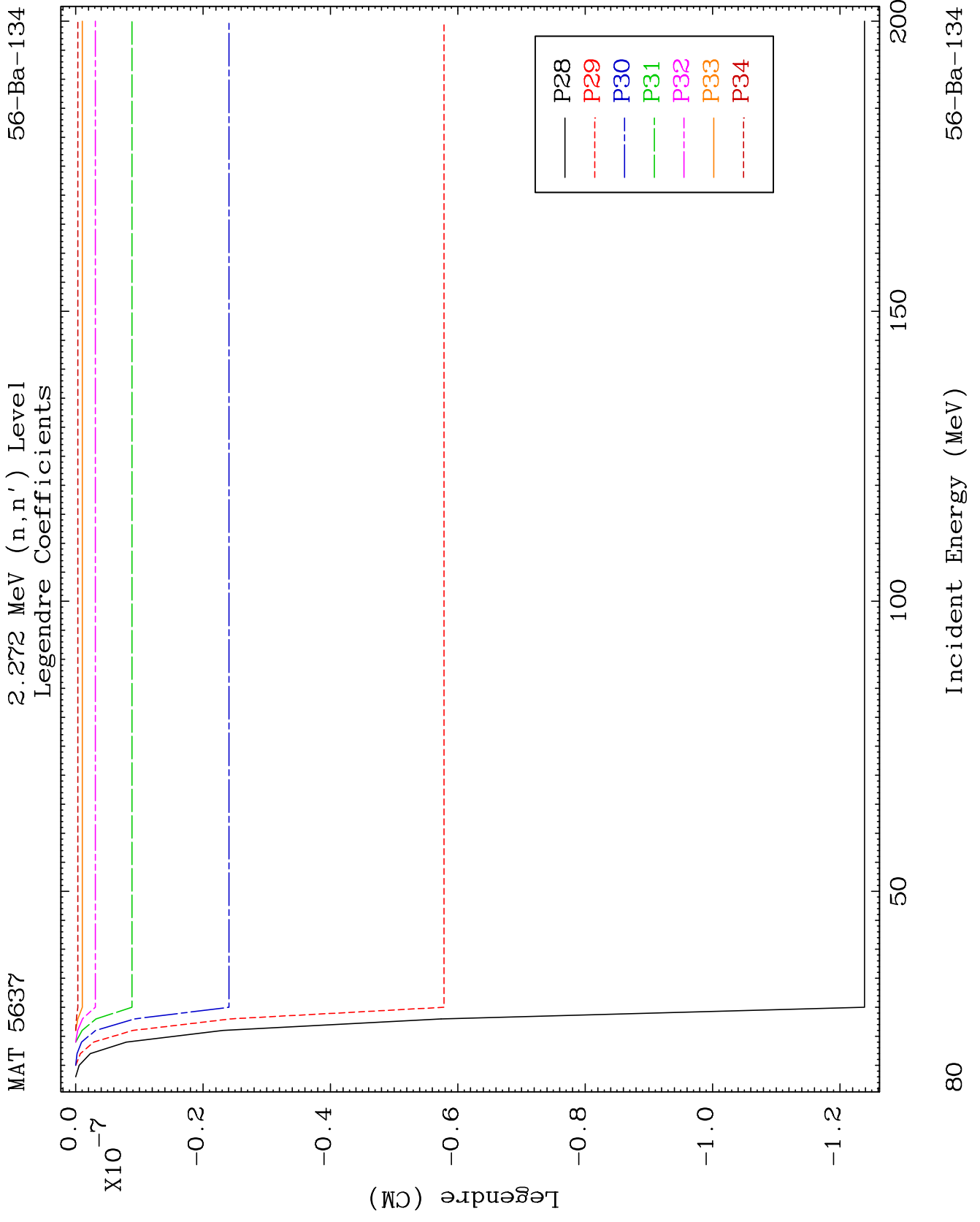
56-Ba-134

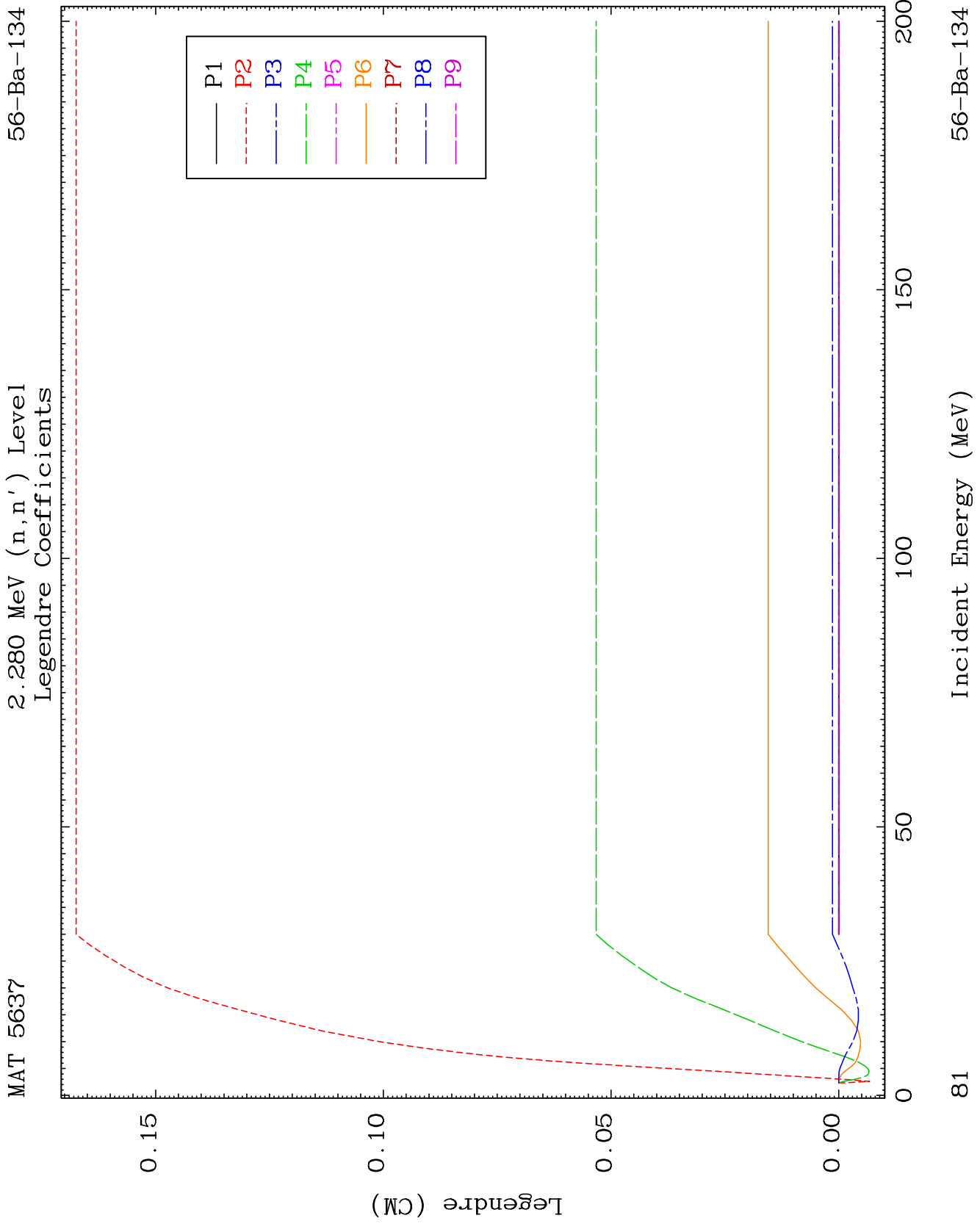
MAT 5637

2.272 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



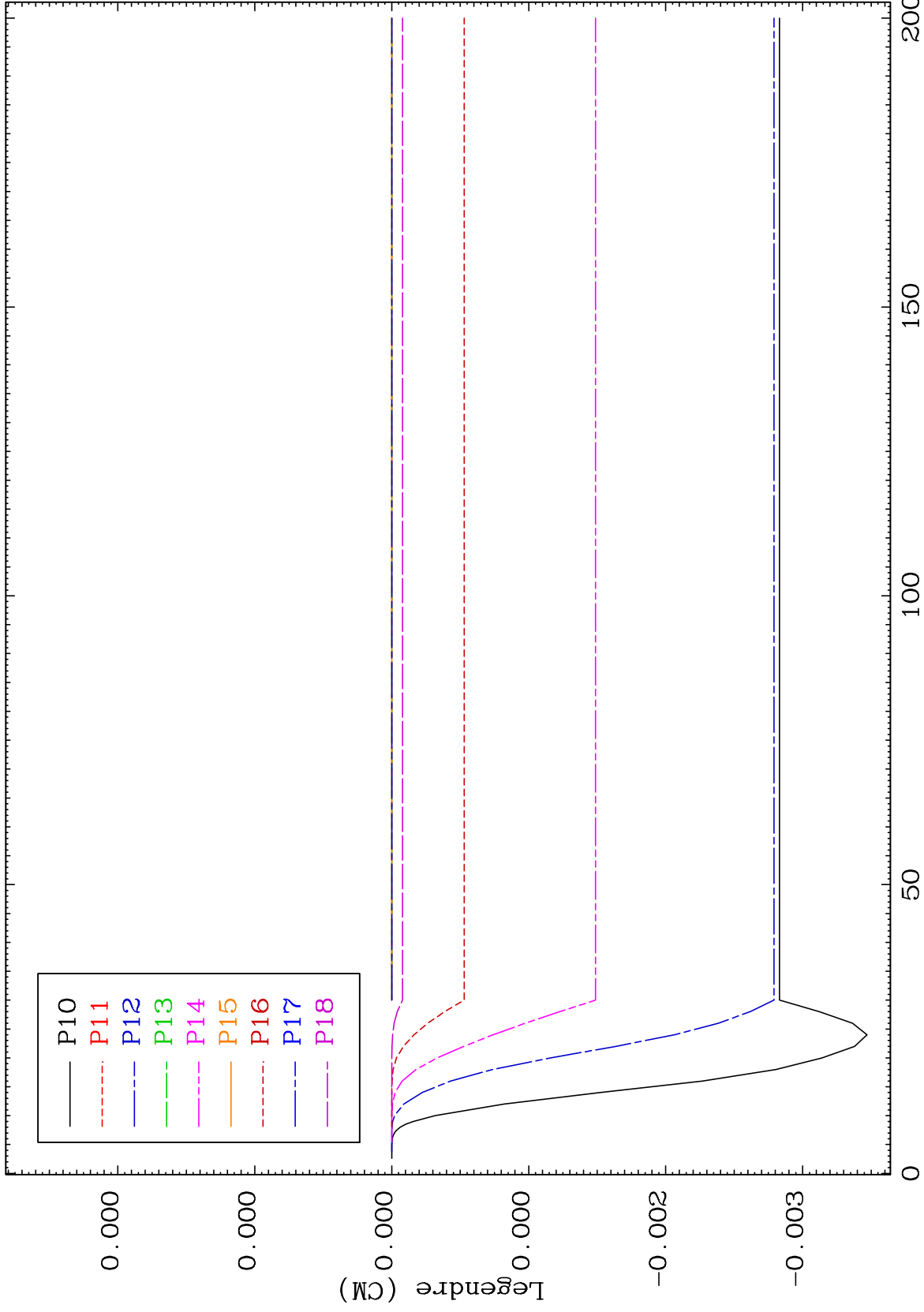




MAT 5637

2.280 MeV (n,n') Level
Legendre Coefficients

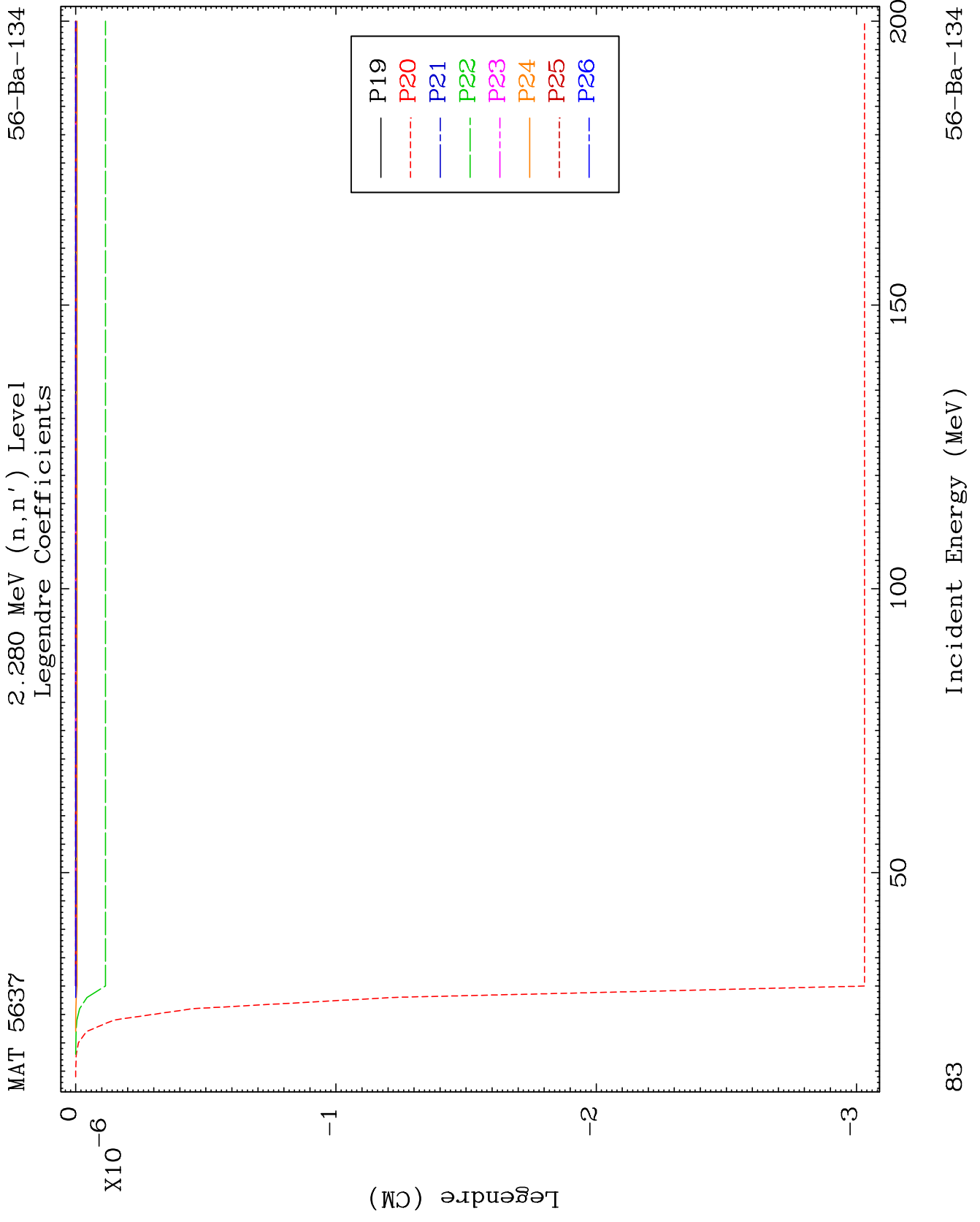
56-Ba-134



82

Incident Energy (MeV)

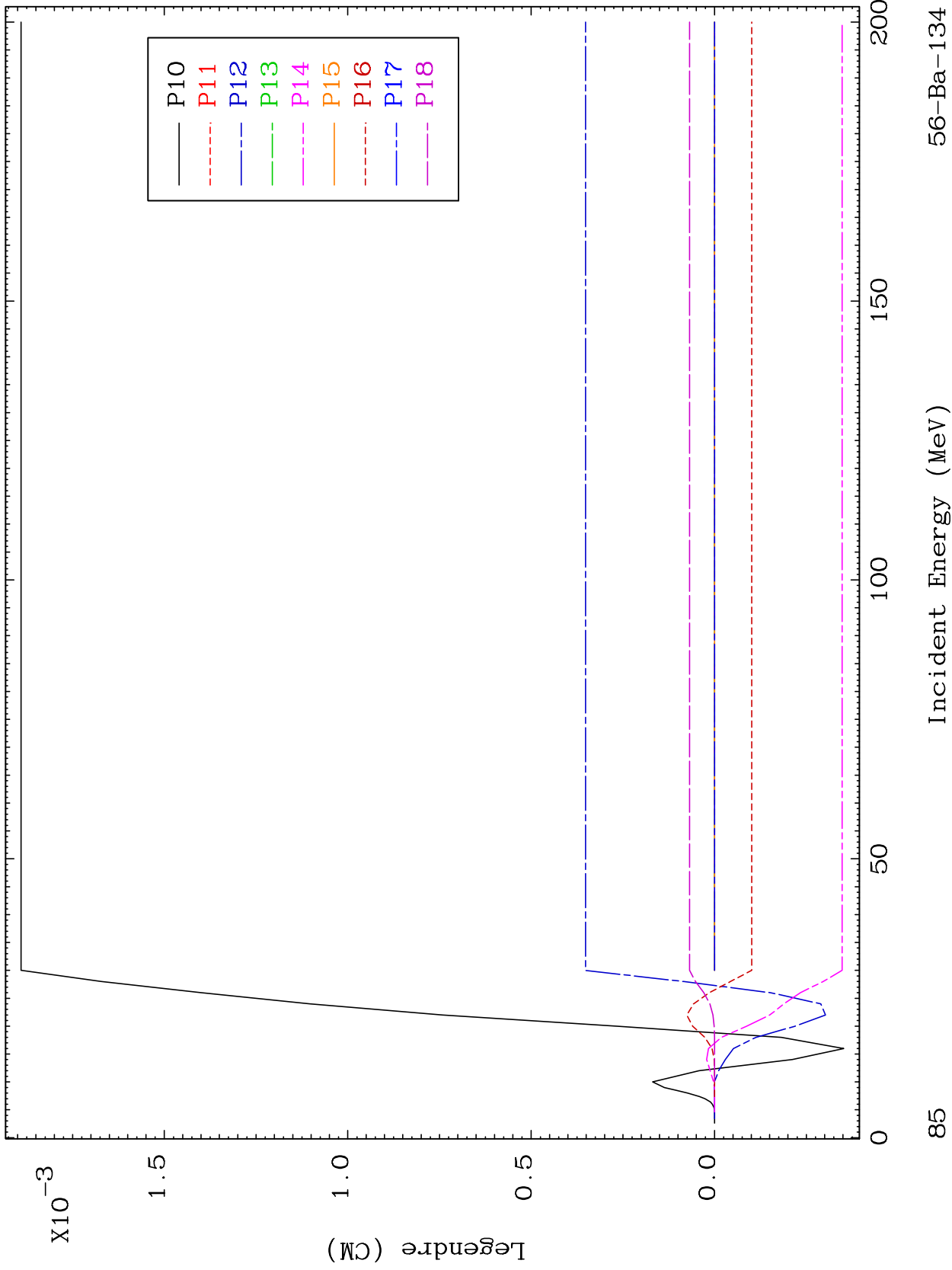
56-Ba-134



MAT 5637

2.285 MeV (n, n') Level
Legendre Coefficients

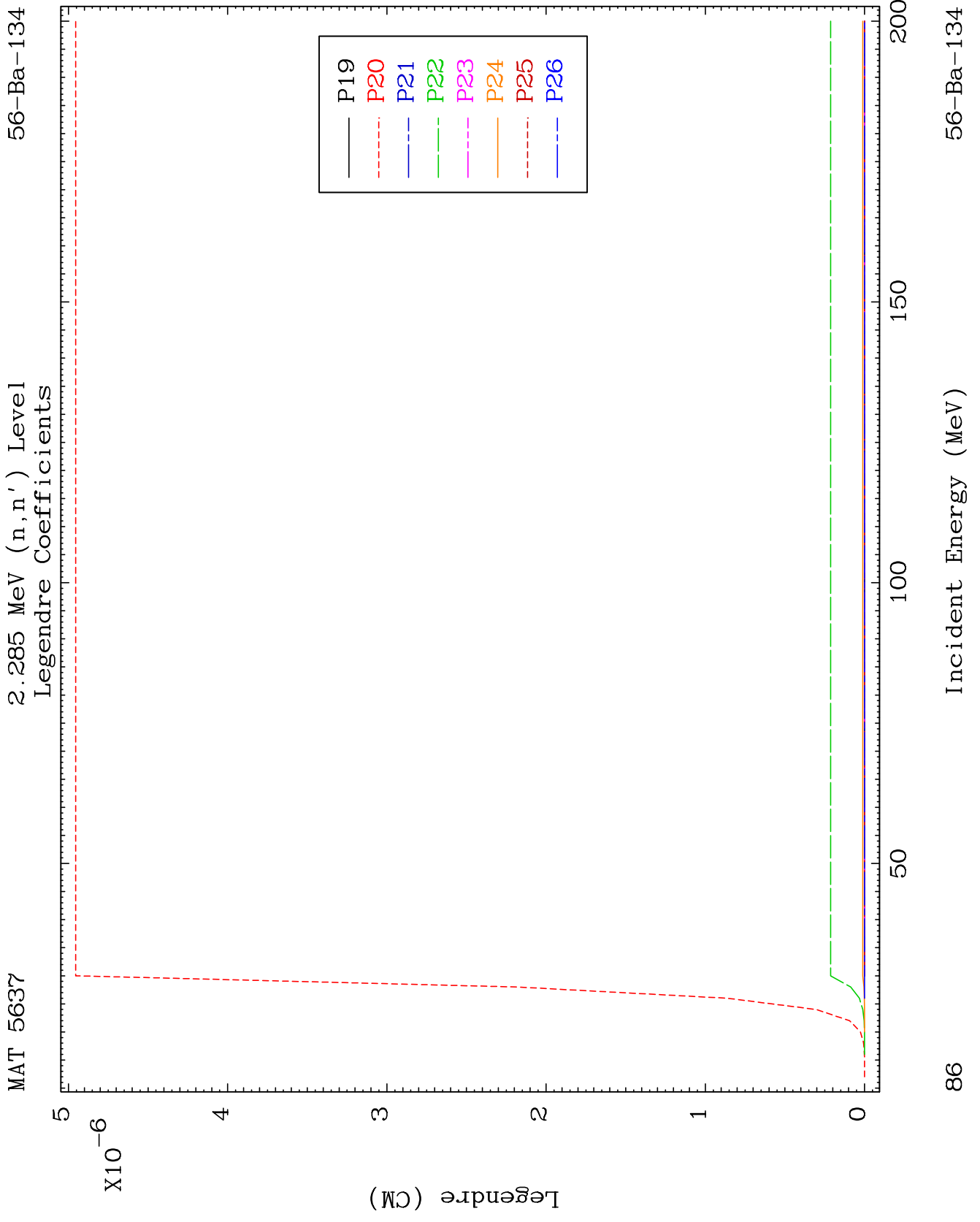
56-Ba-134



85

Incident Energy (MeV)

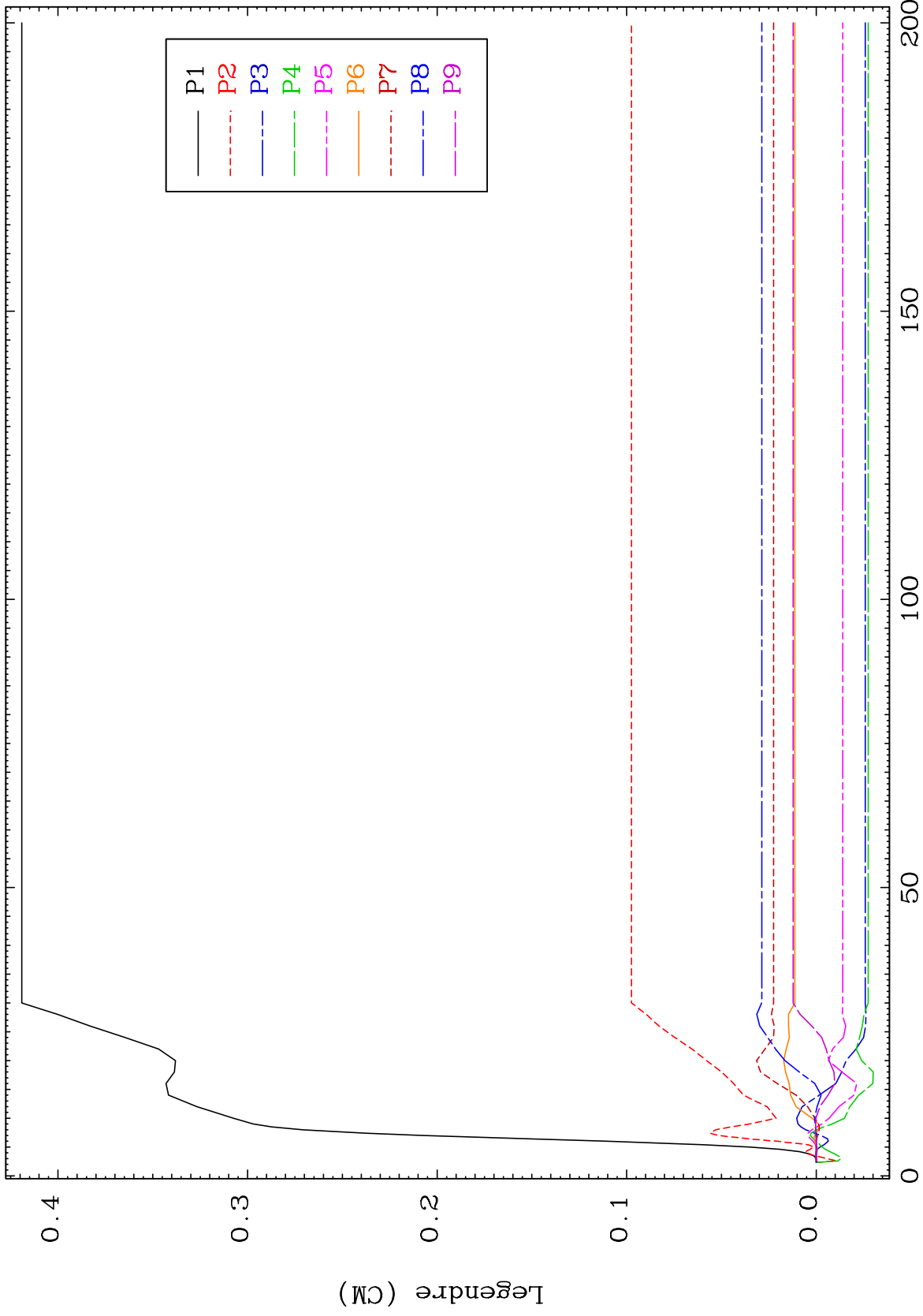
56-Ba-134



MAT 5637

2.300 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



87

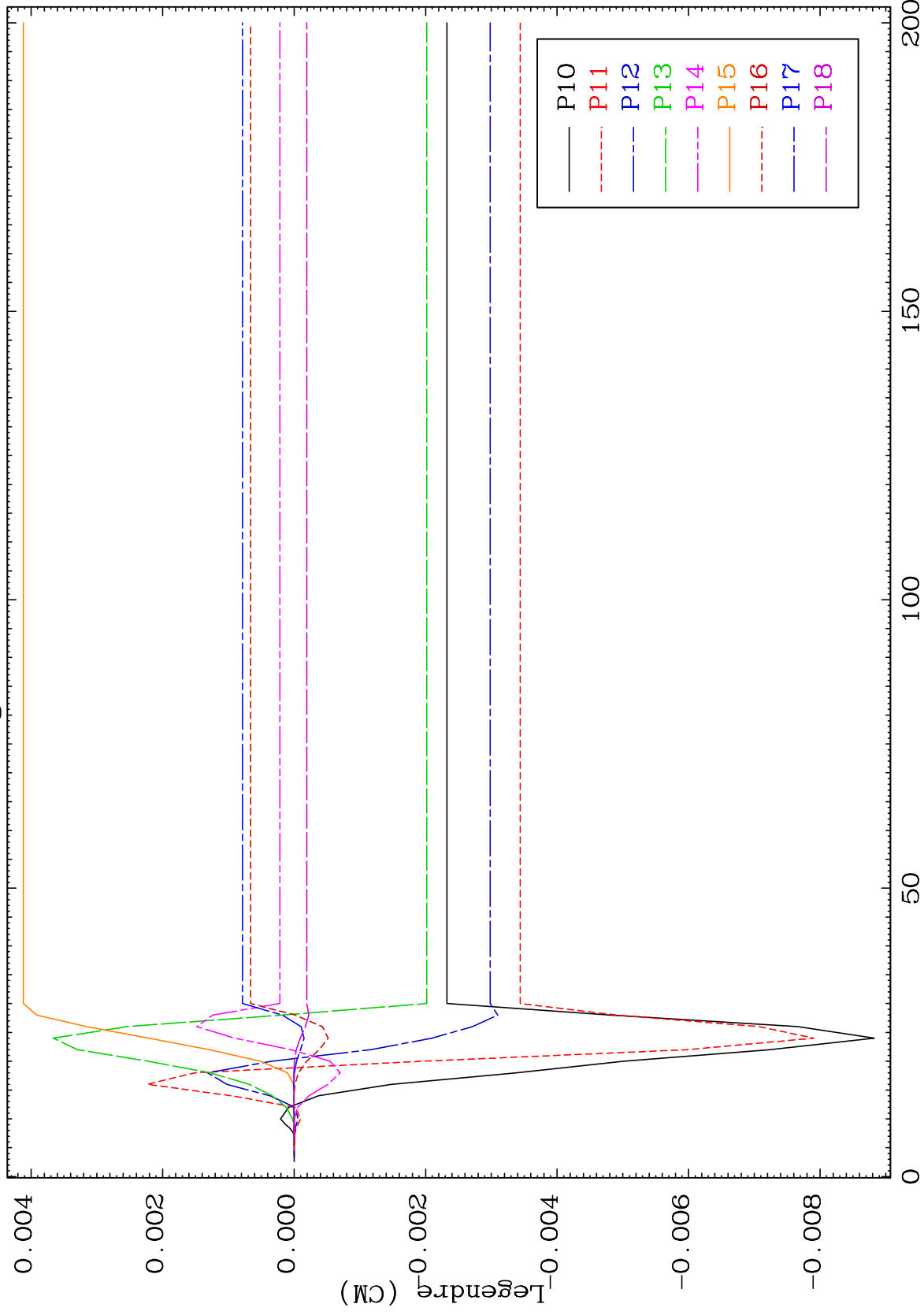
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.300 MeV (n,n') Level
Legendre Coefficients

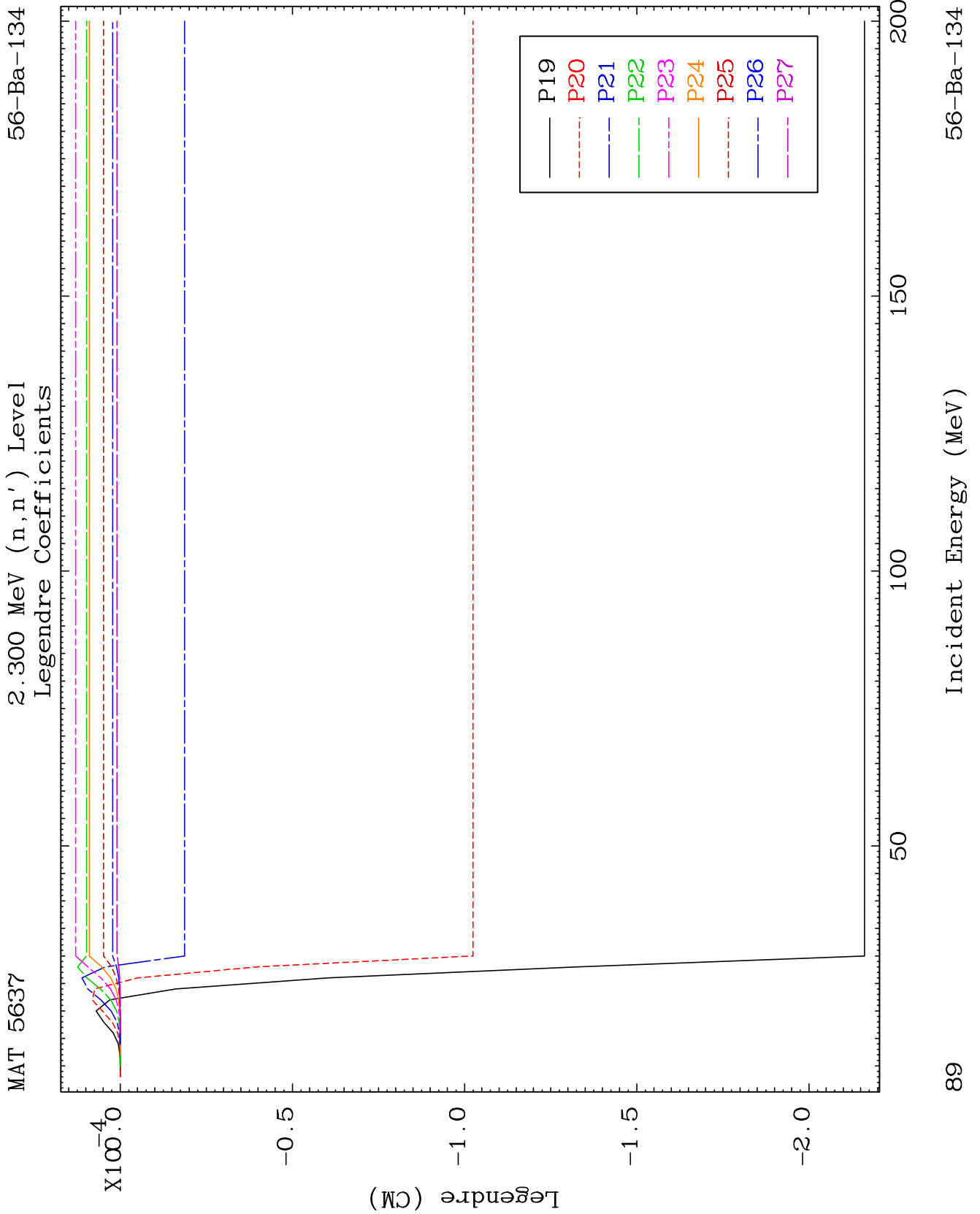
56-Ba-134

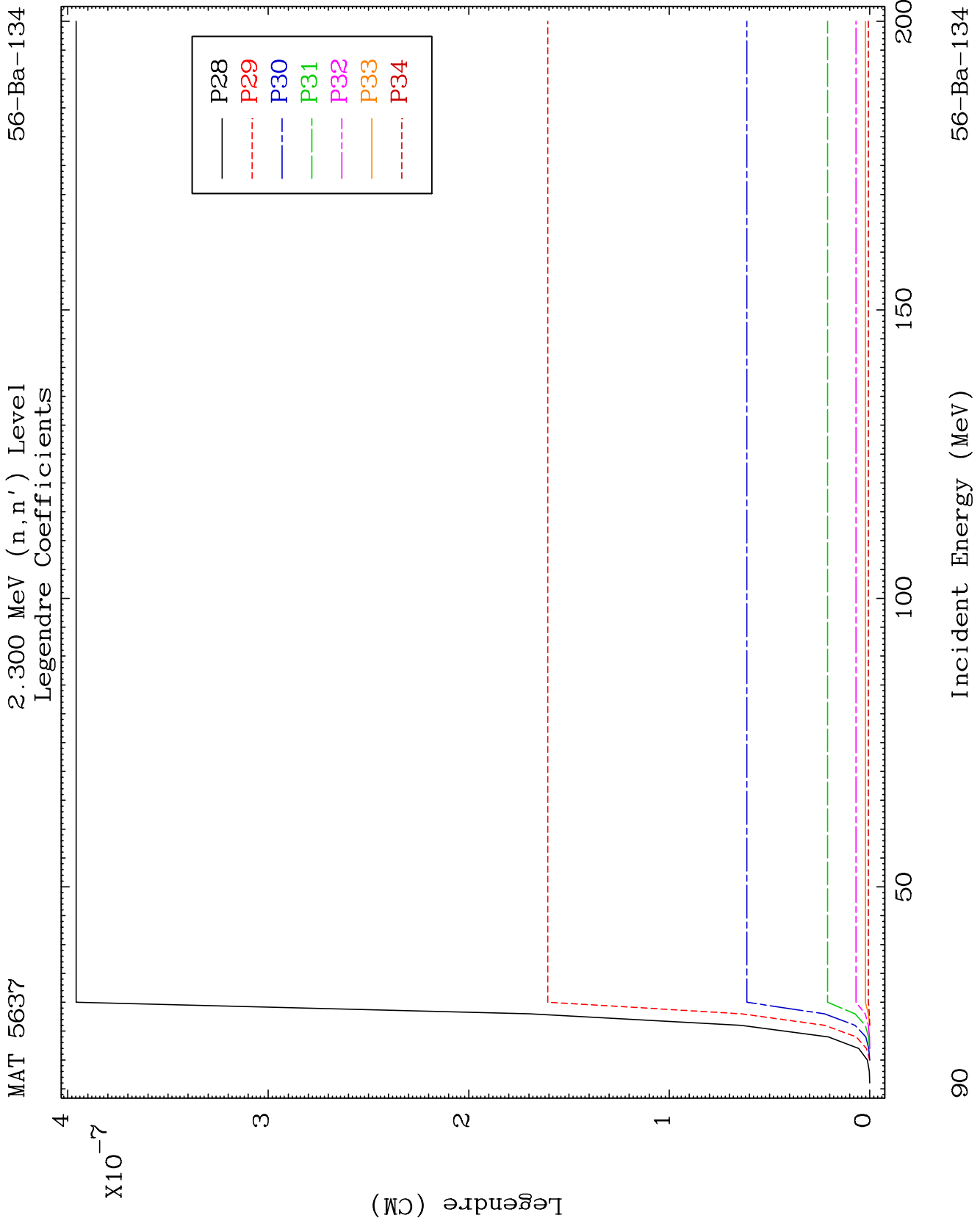


88

Incident Energy (MeV)

56-Ba-134

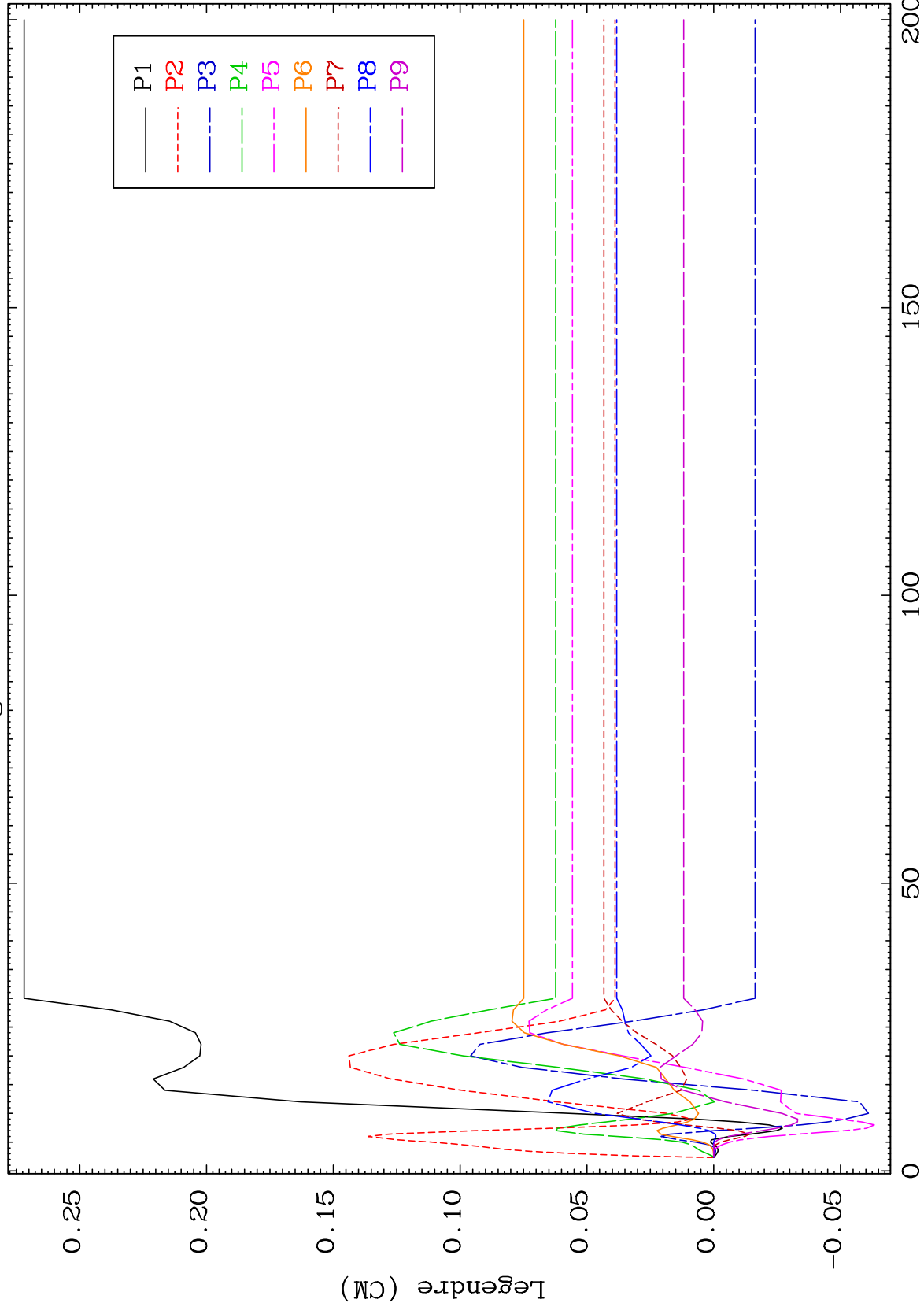




MAT 5637

2.311 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



91

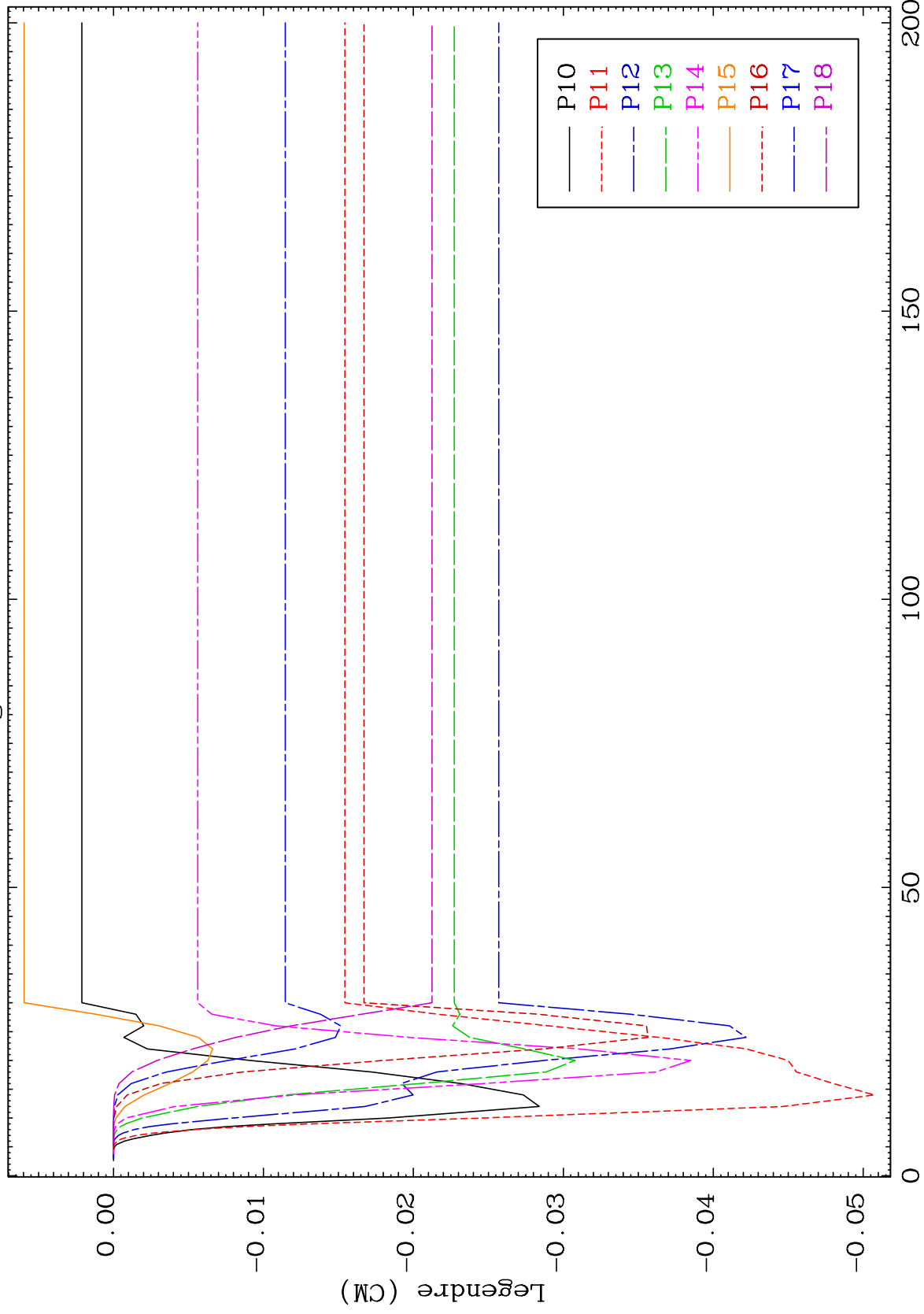
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.311 MeV (n, n') Level
Legendre Coefficients

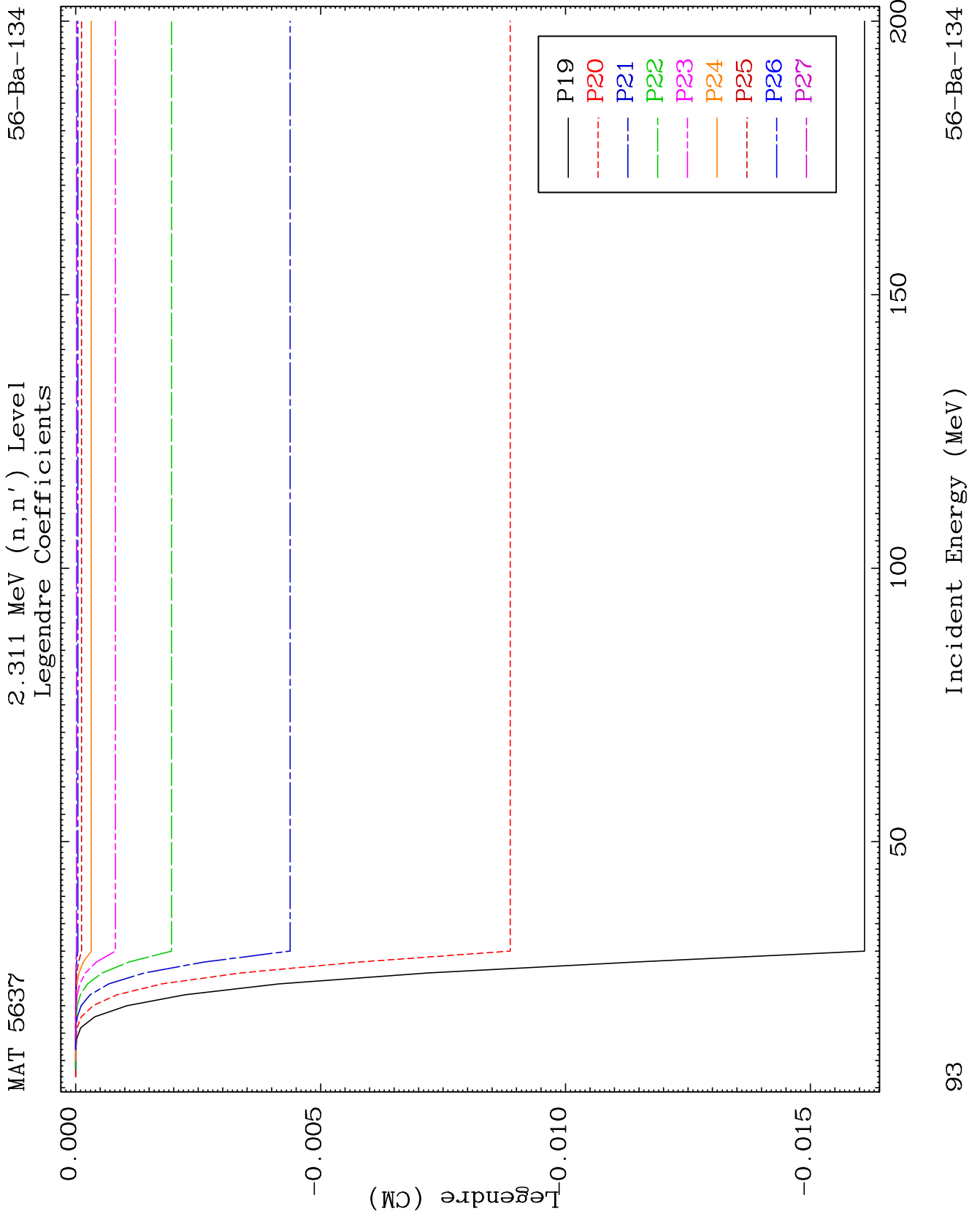
56-Ba-134

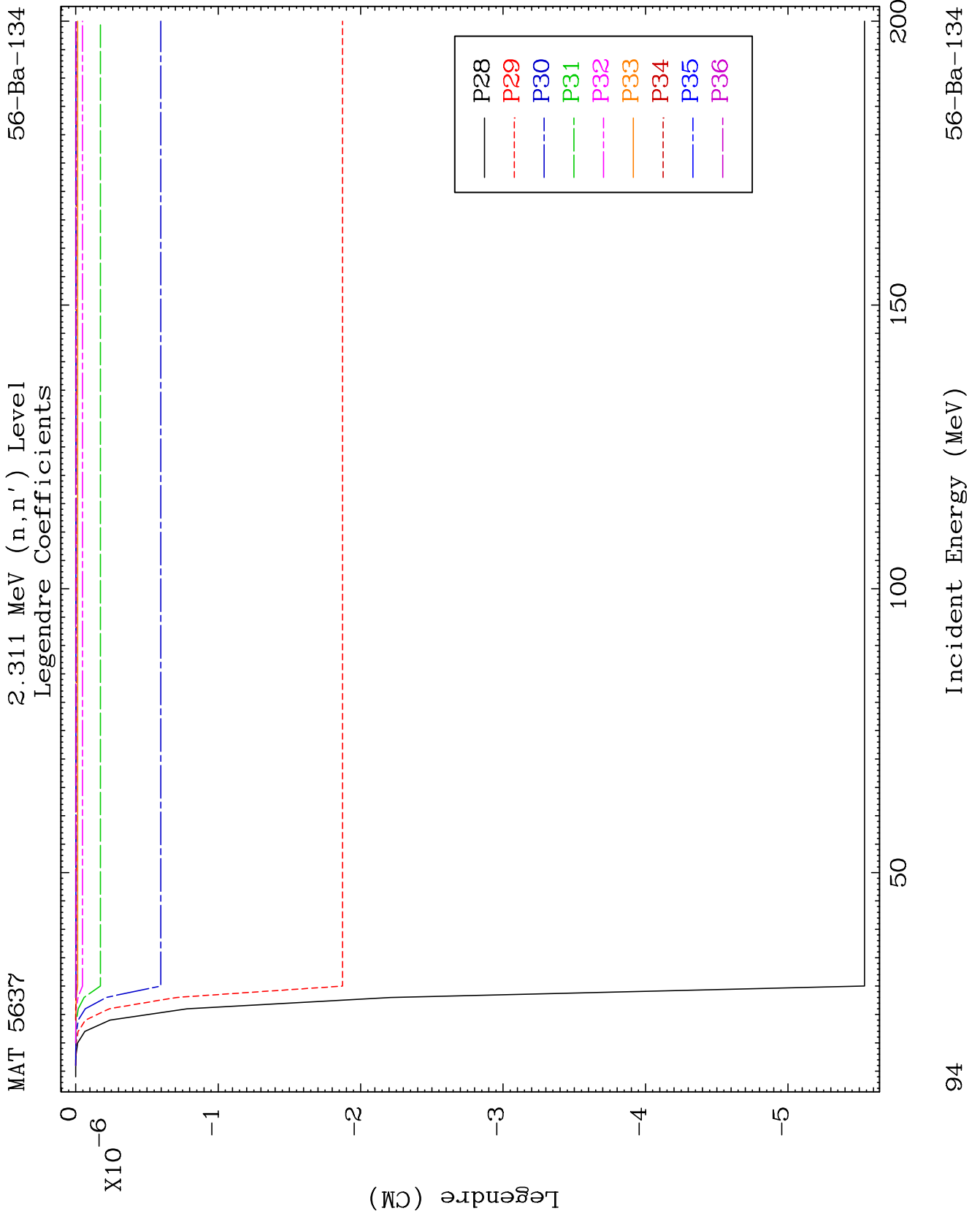


92

Incident Energy (MeV)

56-Ba-134

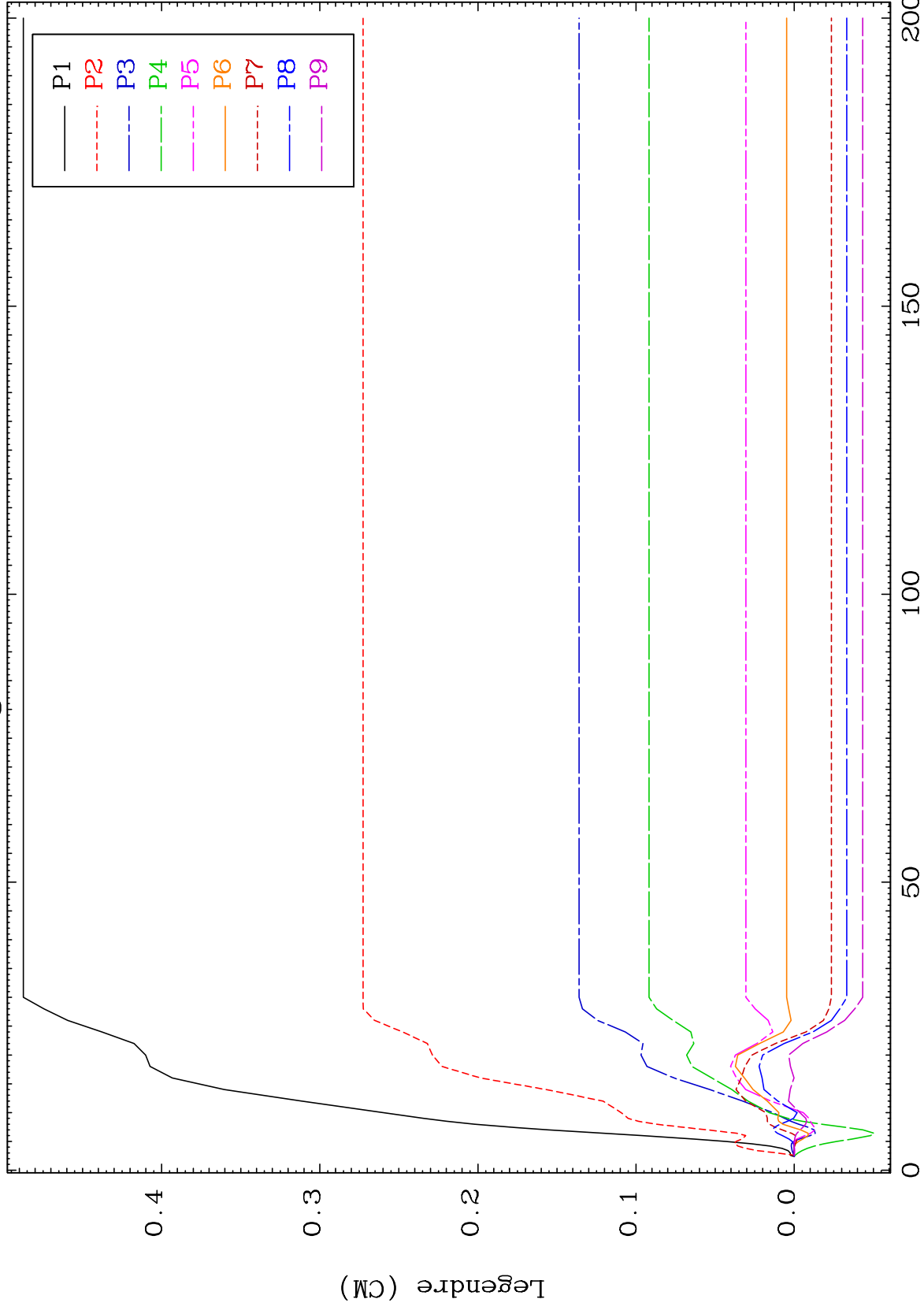




MAT 5637

2.335 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



95

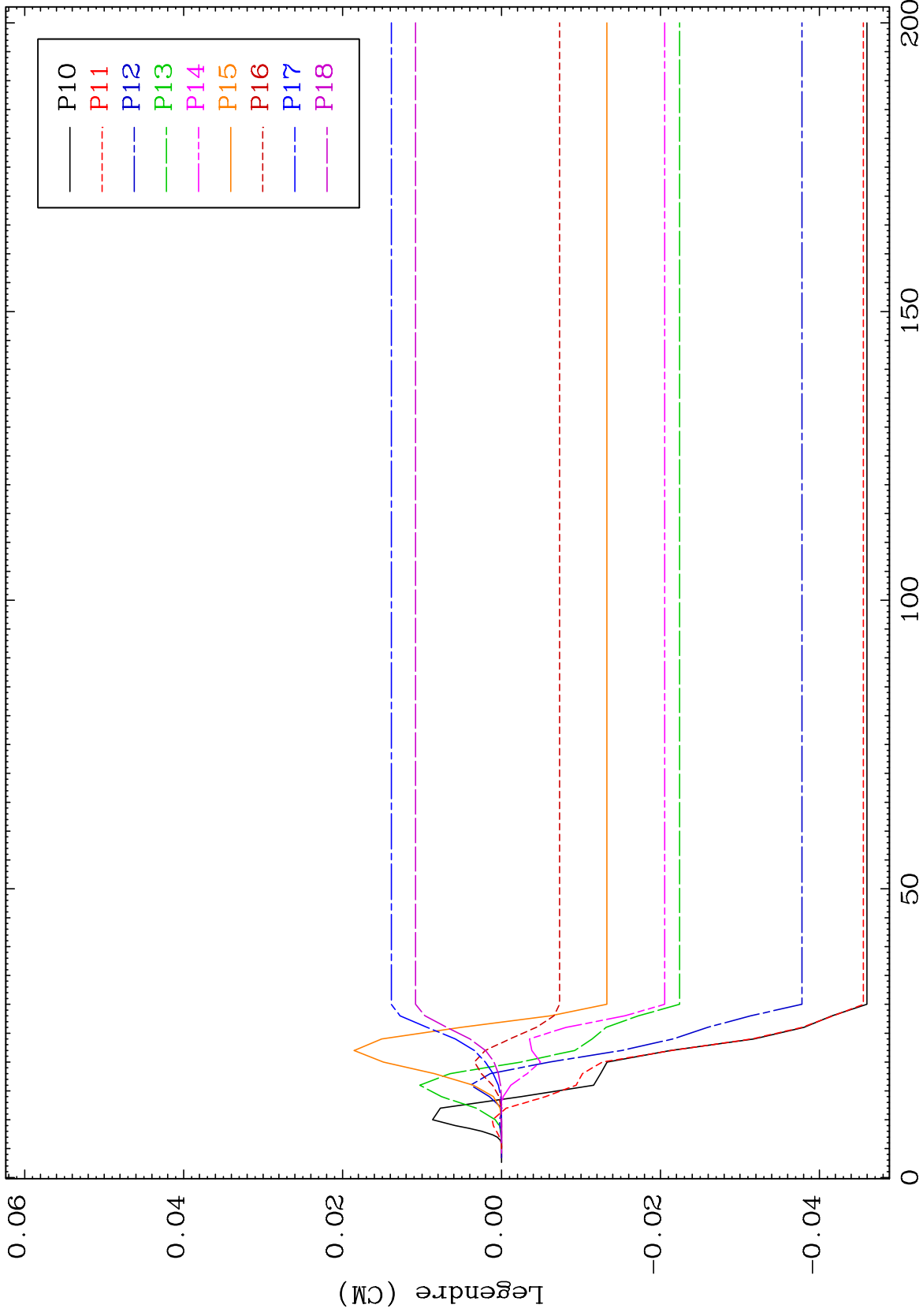
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.335 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



96

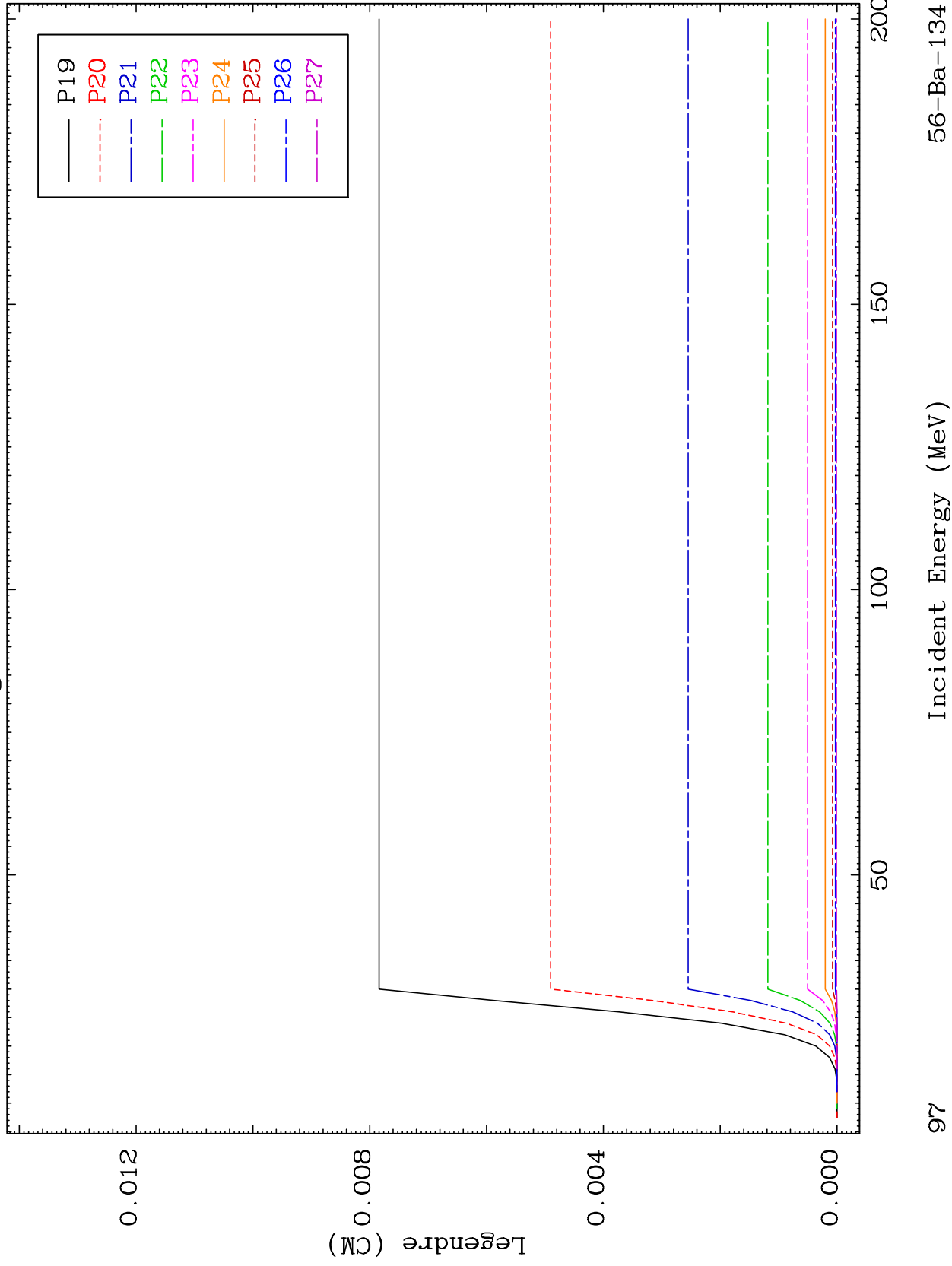
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.335 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



97

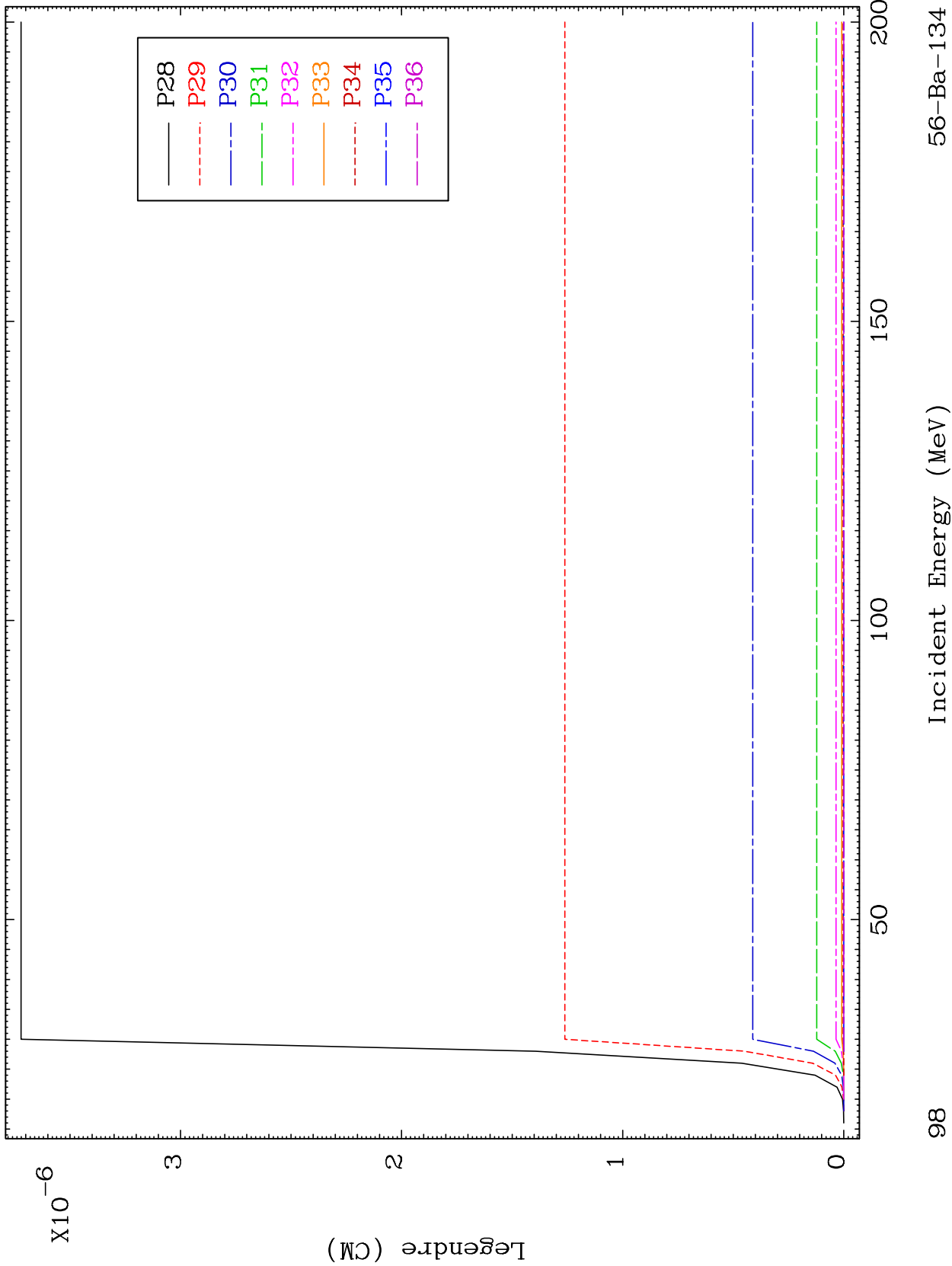
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.335 MeV (n,n') Level
Legendre Coefficients

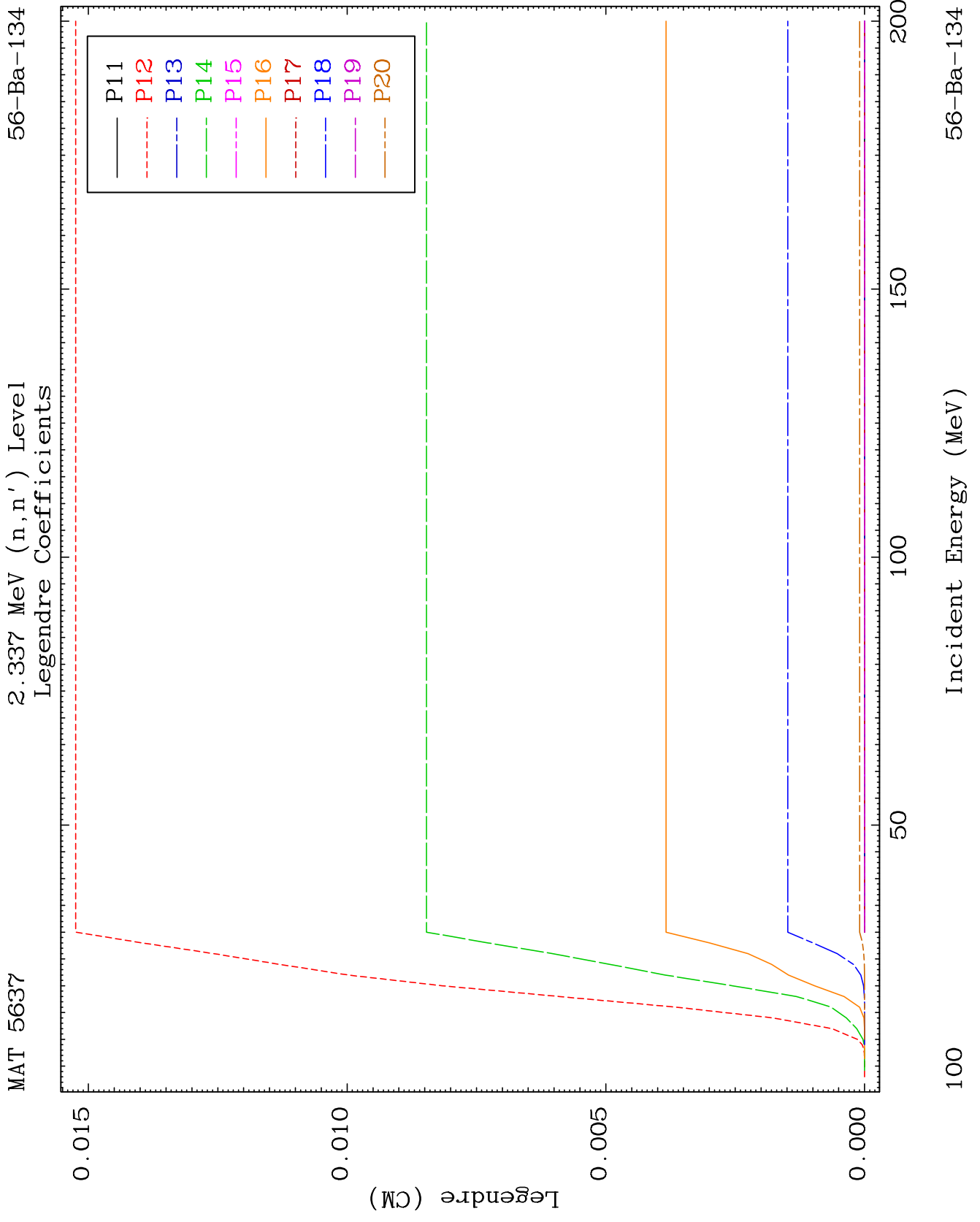
56-Ba-134

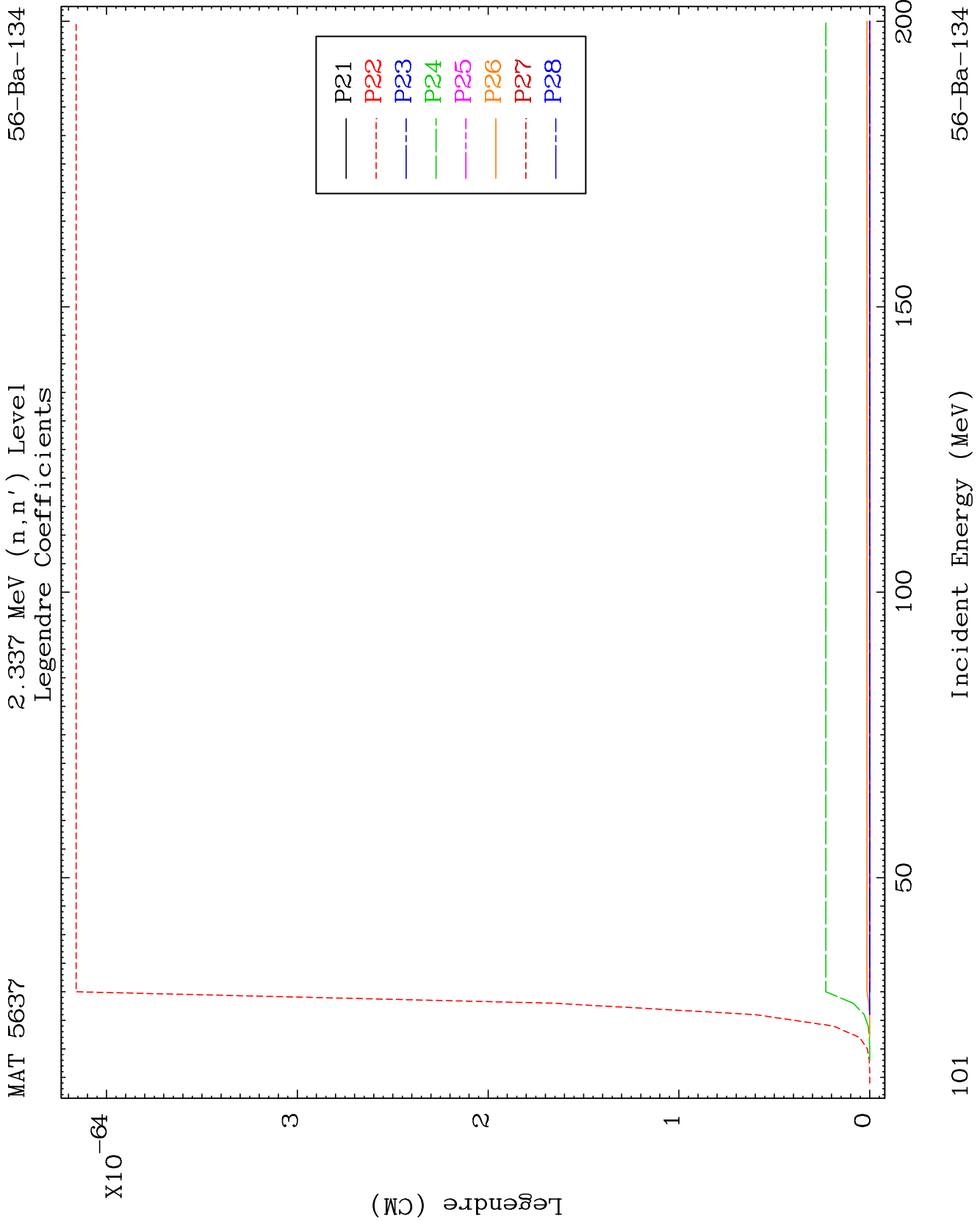


98

Incident Energy (MeV)

56-Ba-134

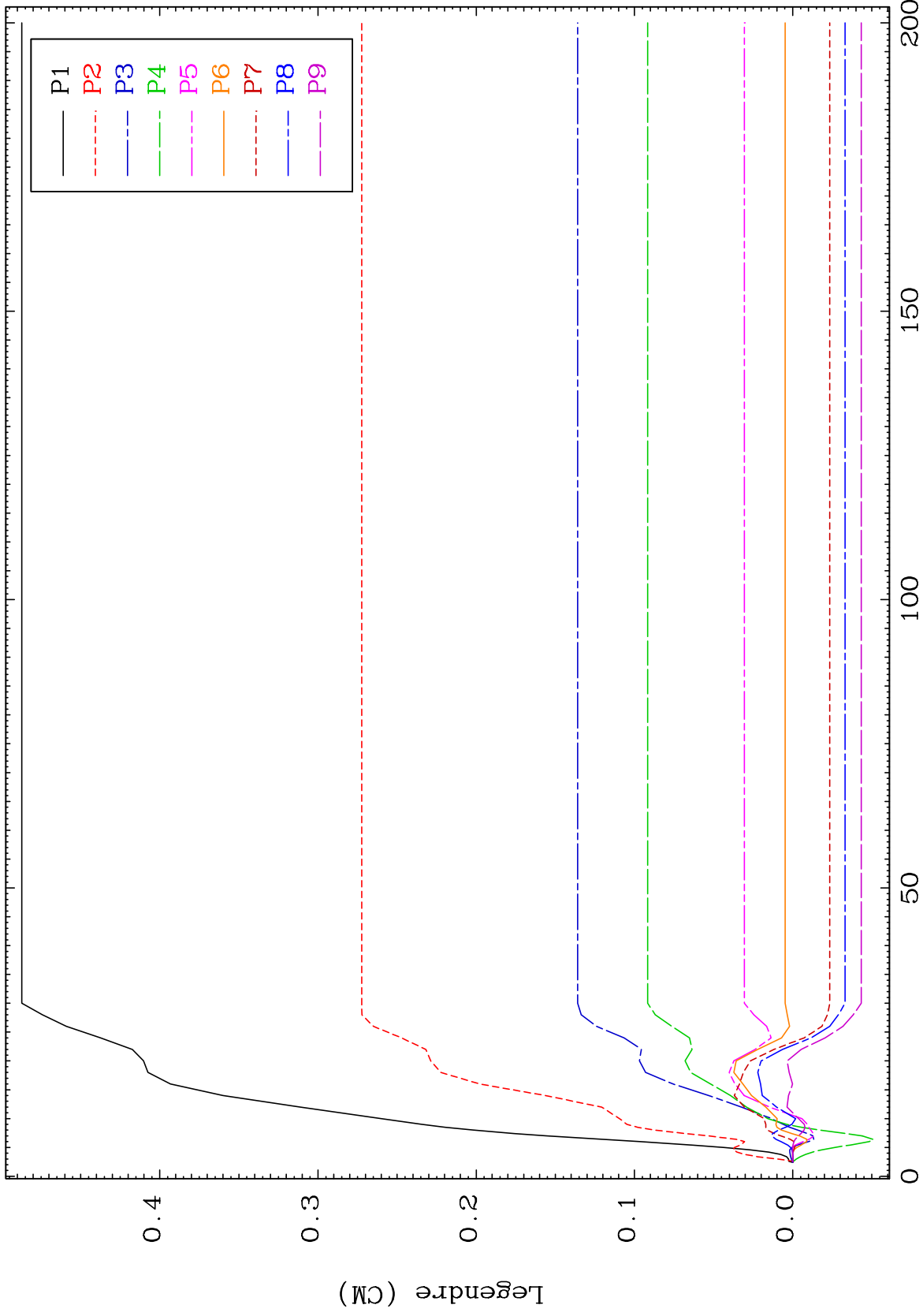




MAT 5637

2.371 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

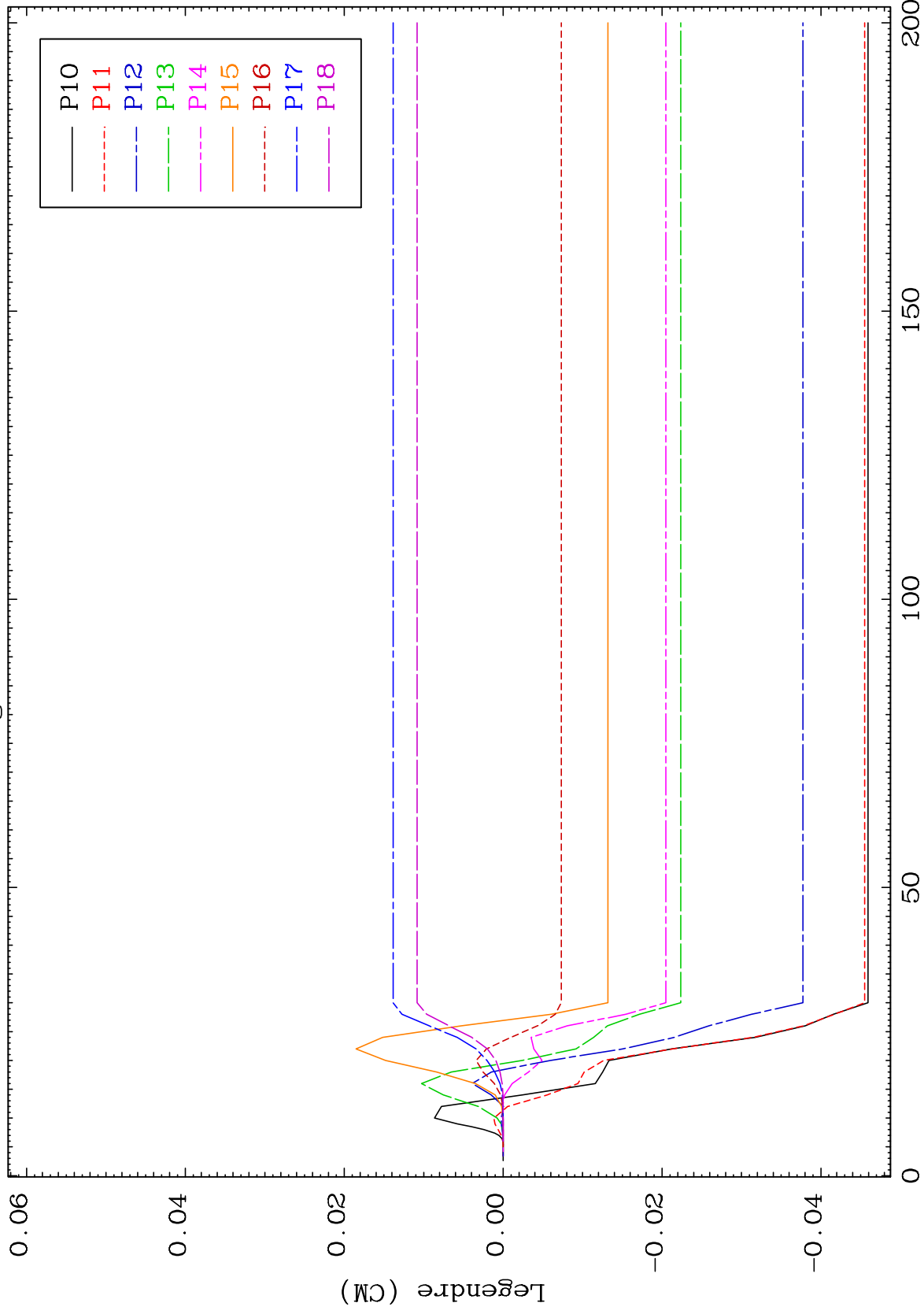
Incident Energy (MeV)

102

MAT 5637

2.371 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



103

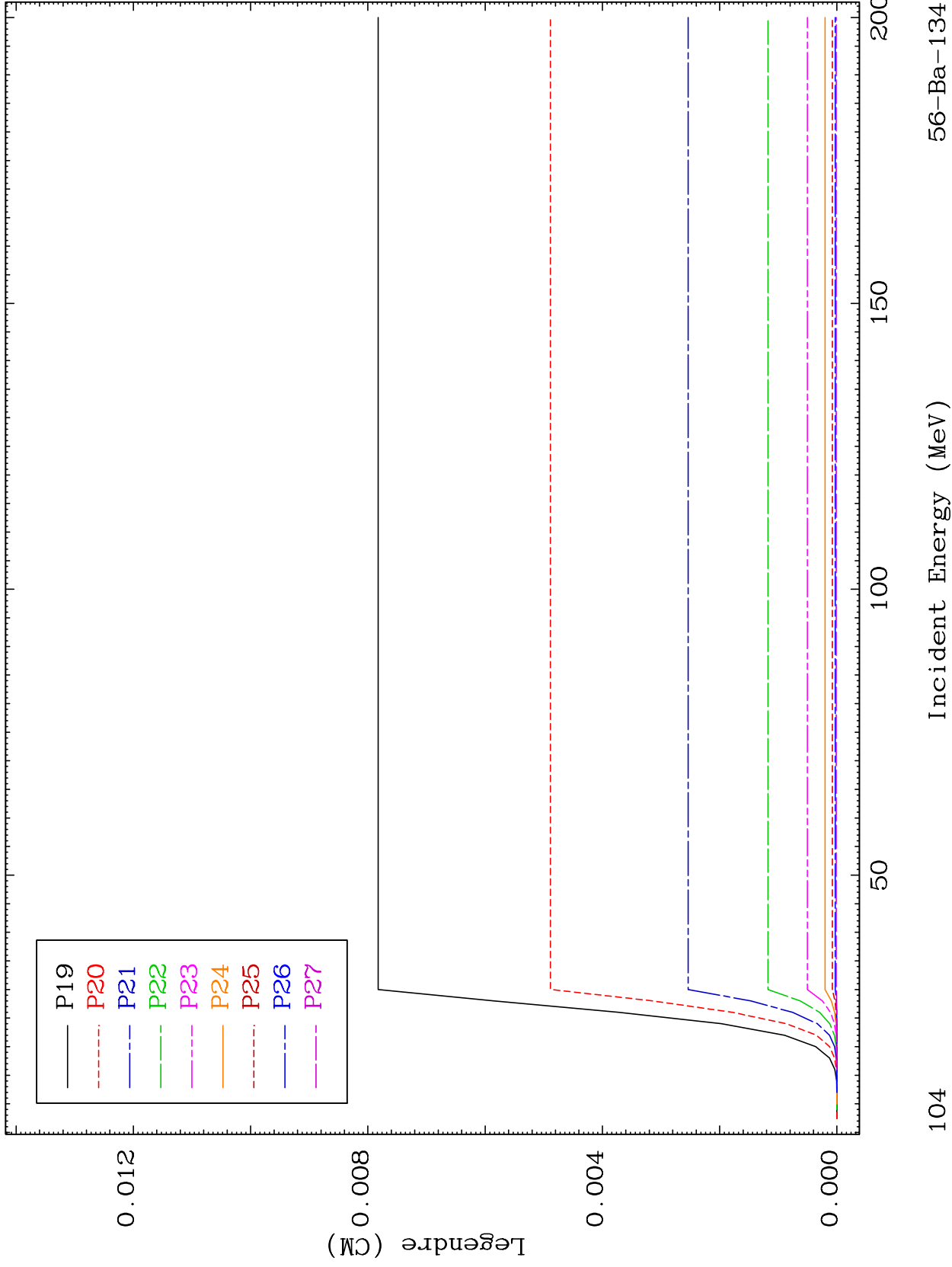
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.371 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



104

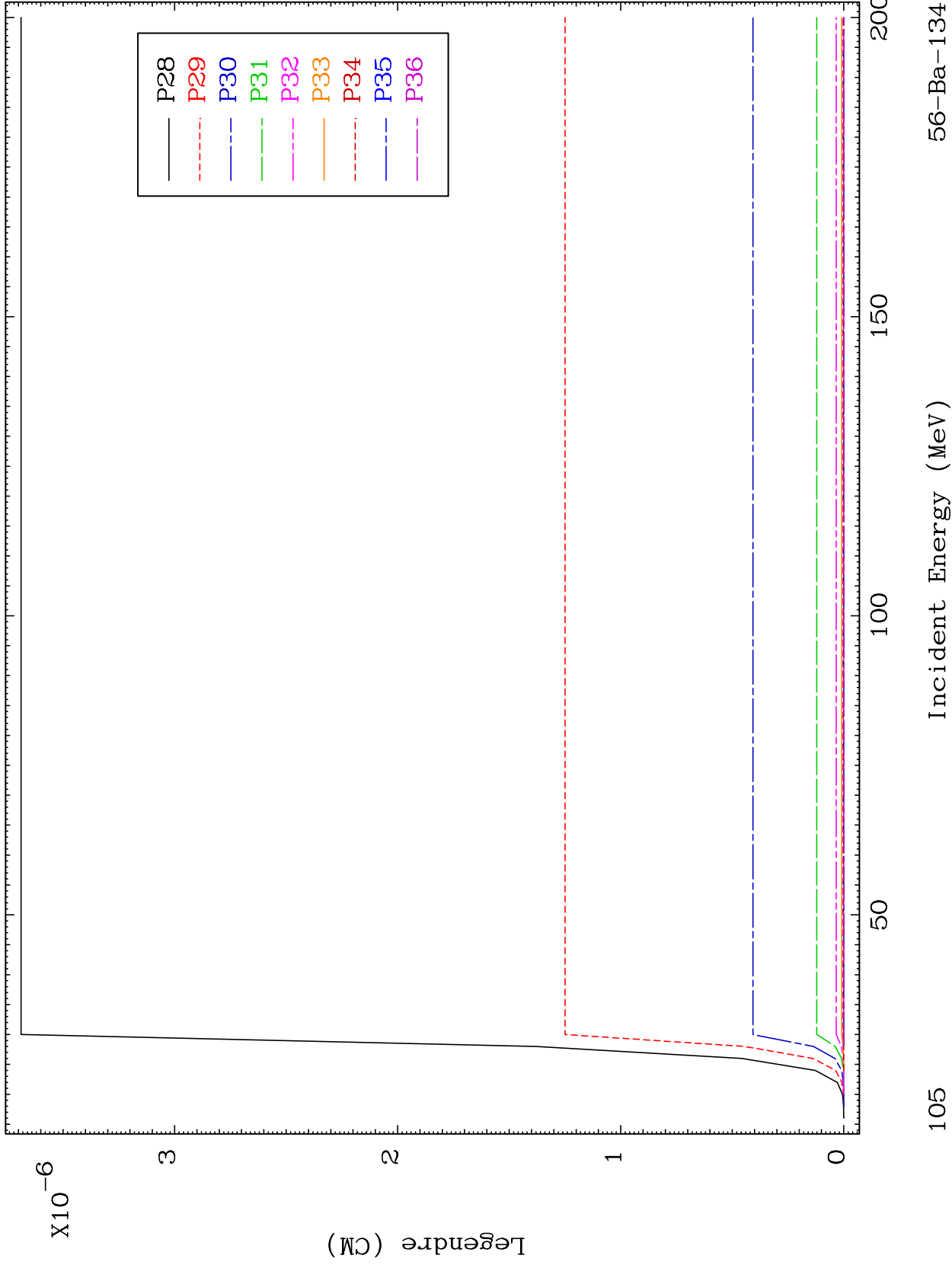
Incident Energy (MeV)

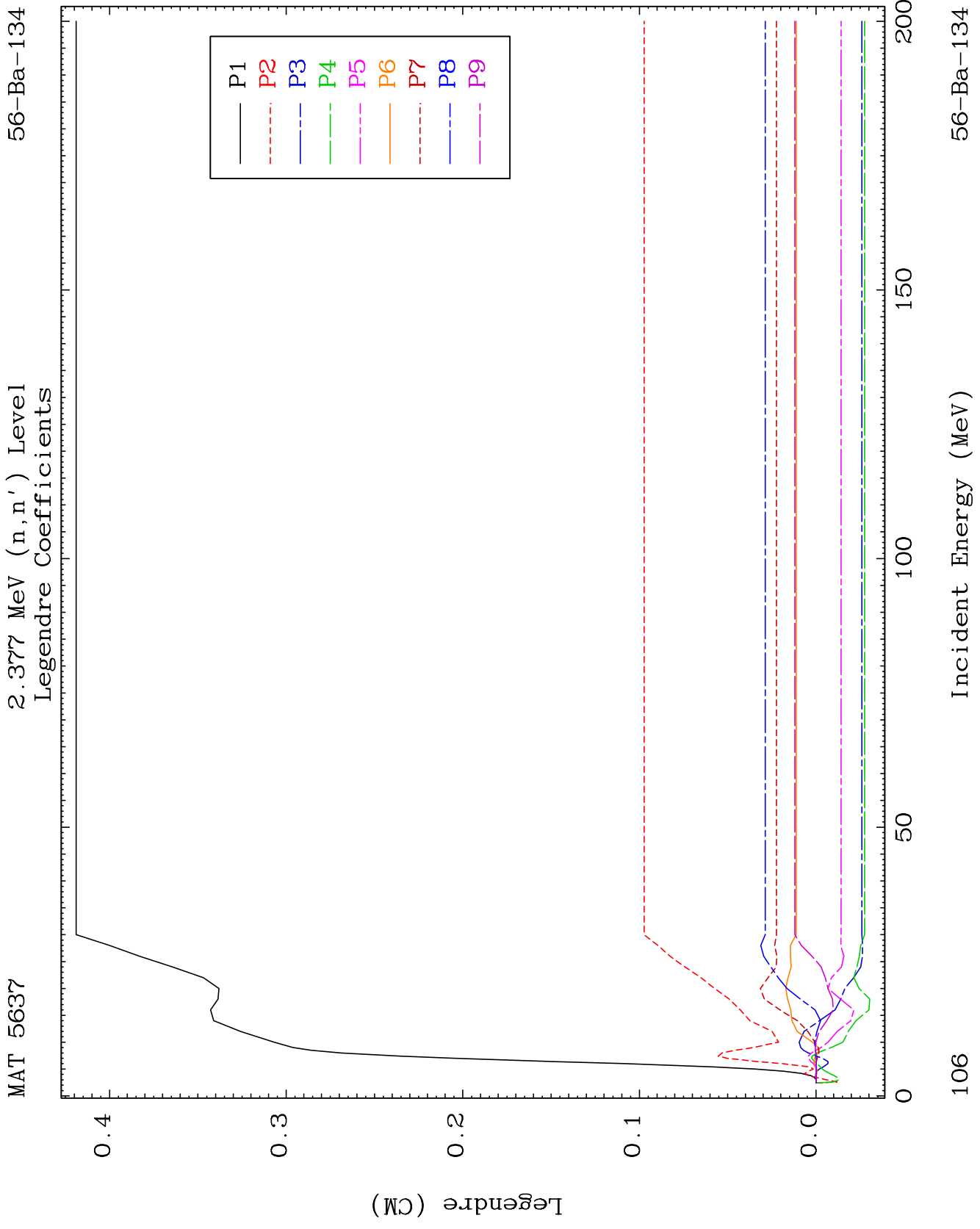
56-Ba-134

MAT 5637

2.371 MeV (n,n') Level
Legendre Coefficients

56-Ba-134

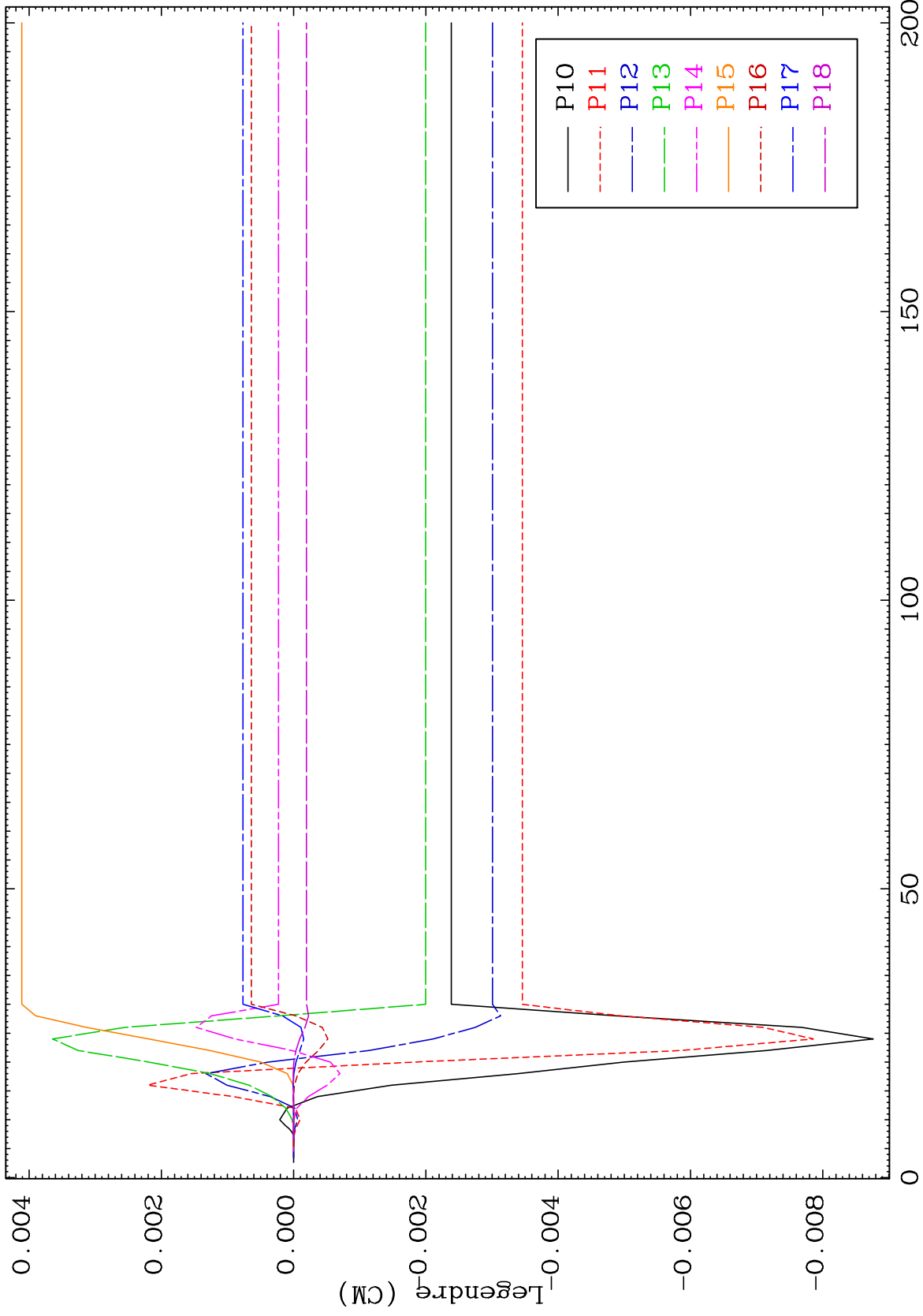




MAT 5637

2.377 MeV (n,n') Level
Legendre Coefficients

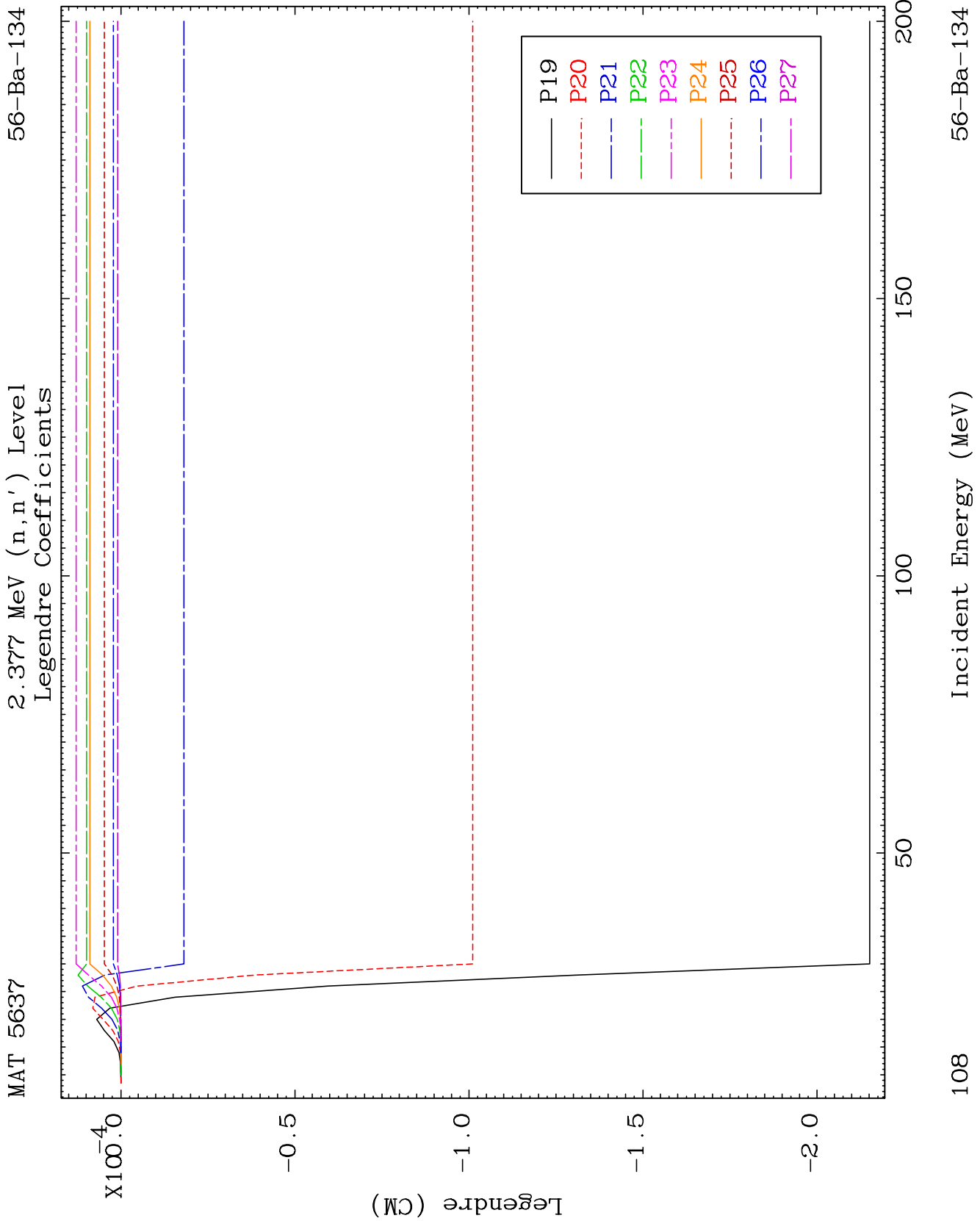
56-Ba-134



107

Incident Energy (MeV)

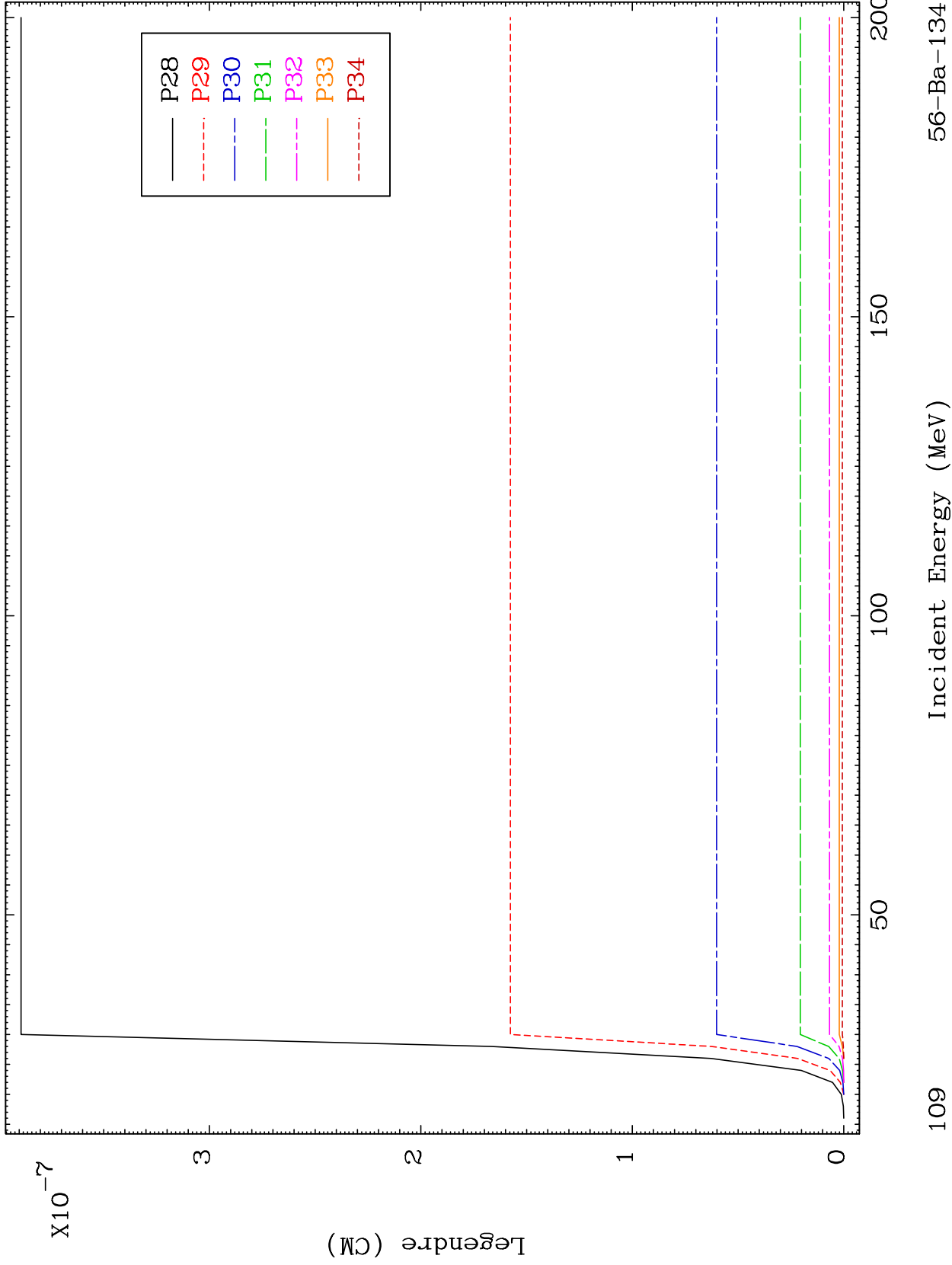
56-Ba-134



MAT 5637

2.377 MeV (n, n') Level
Legendre Coefficients

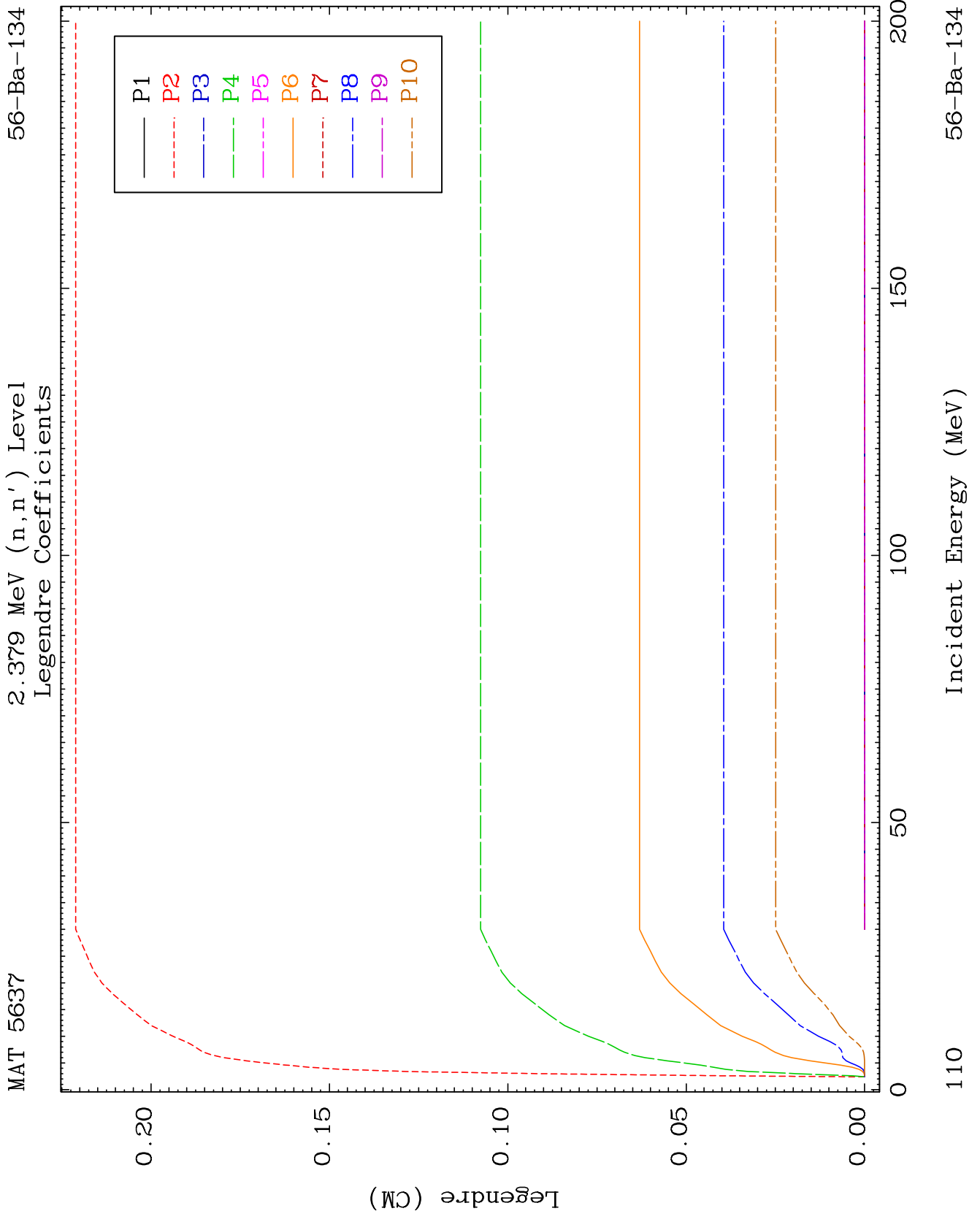
56-Ba-134

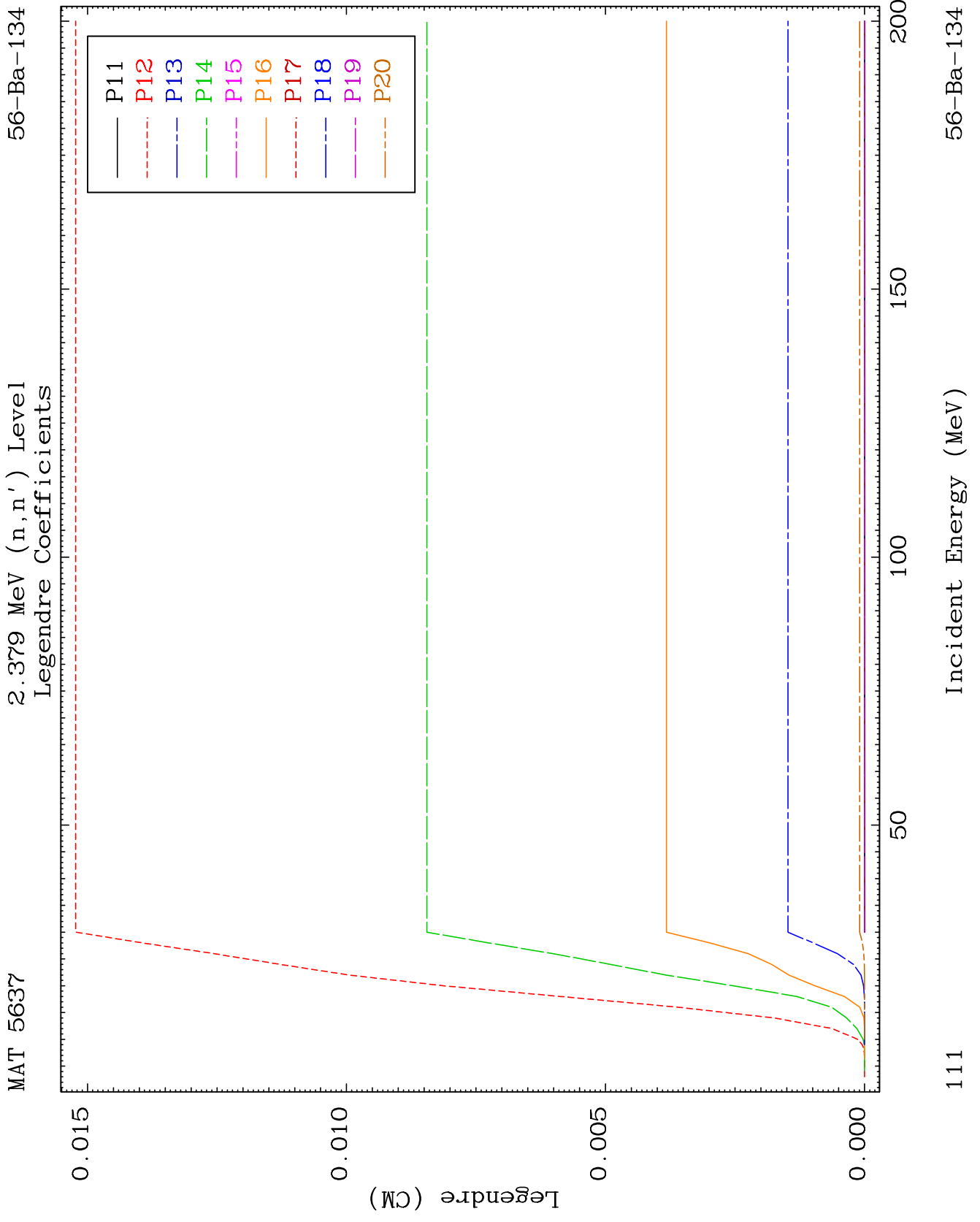


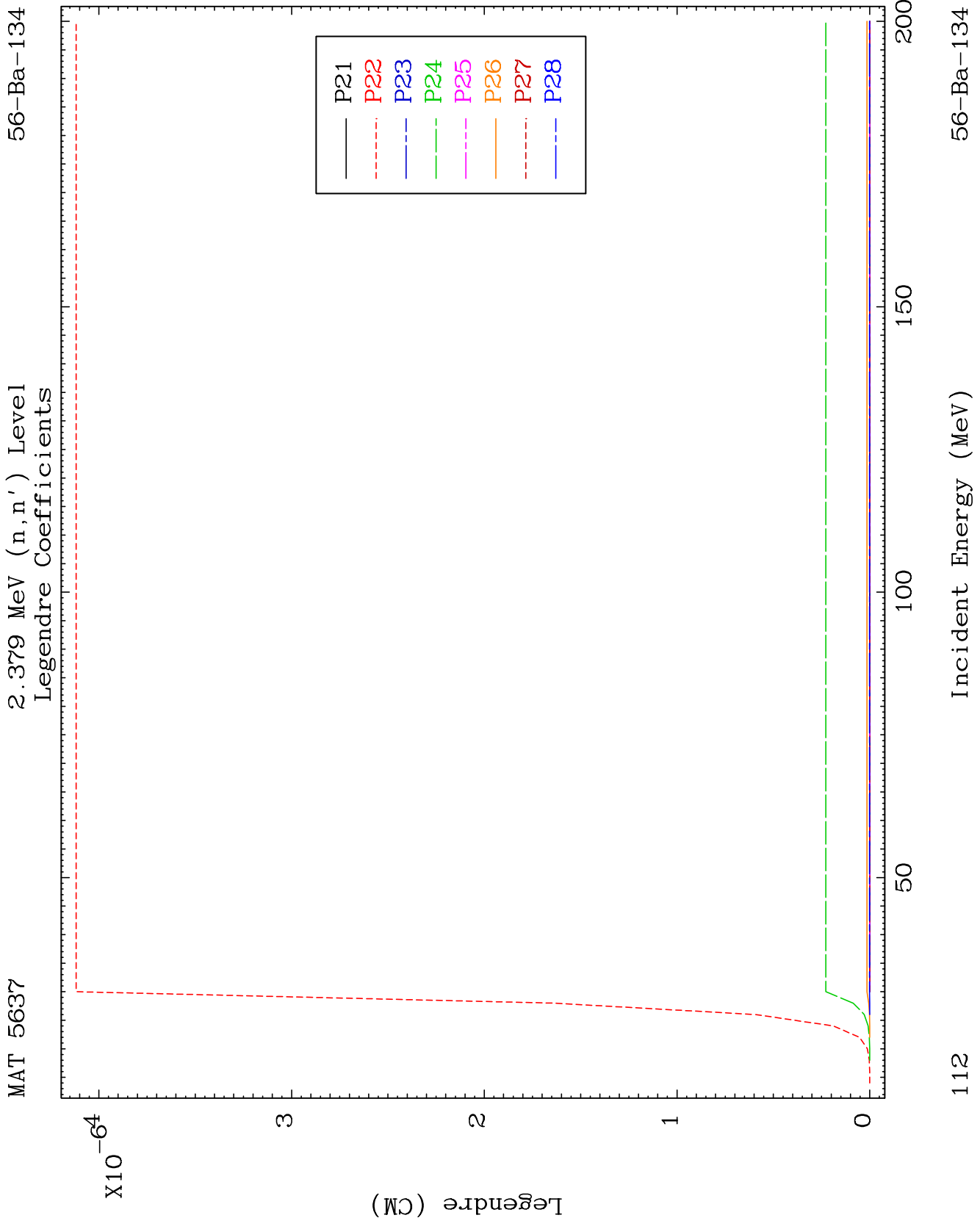
56-Ba-134

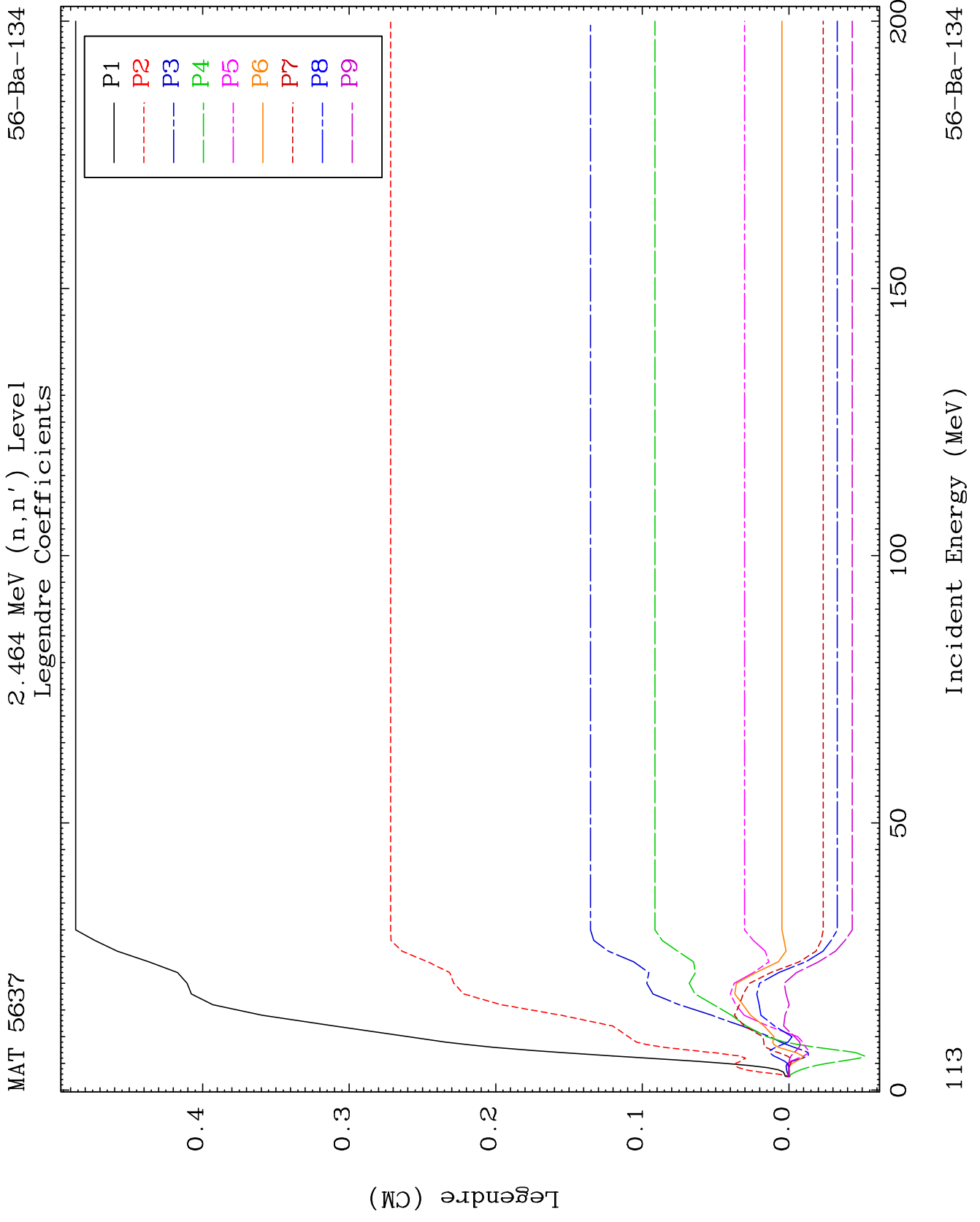
Incident Energy (MeV)

109





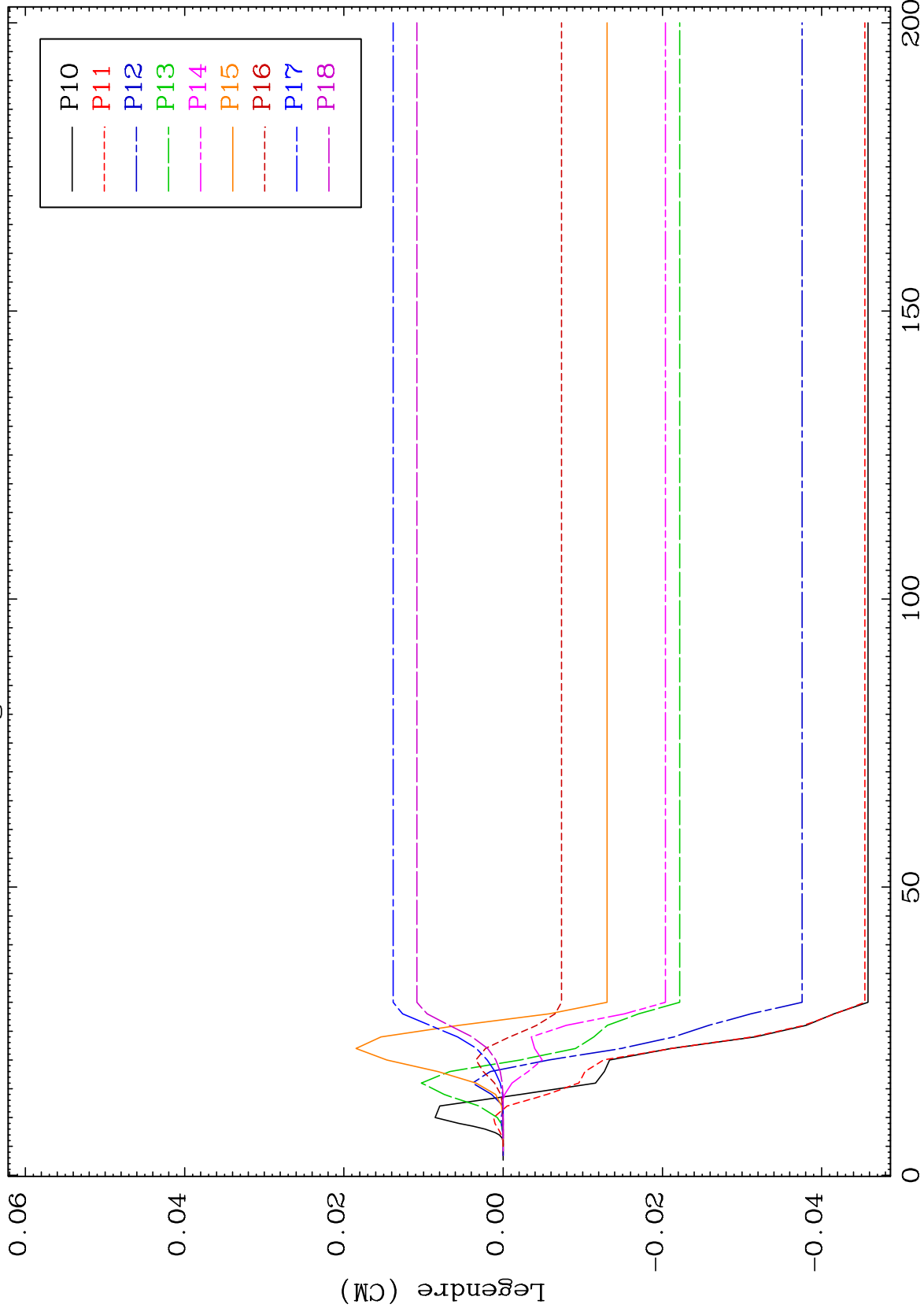




MAT 5637

2.464 MeV (n,n') Level
Legendre Coefficients

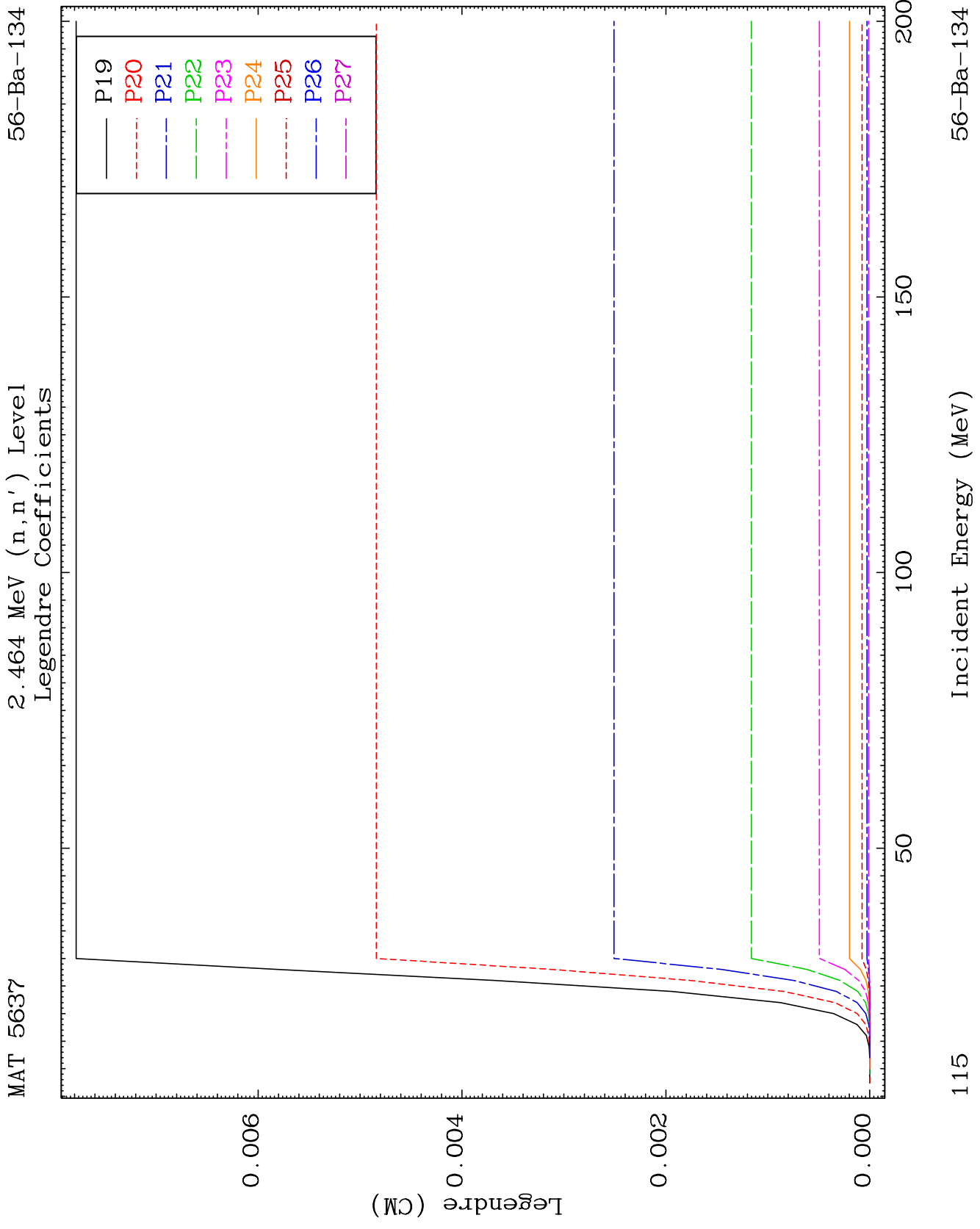
56-Ba-134



114

Incident Energy (MeV)

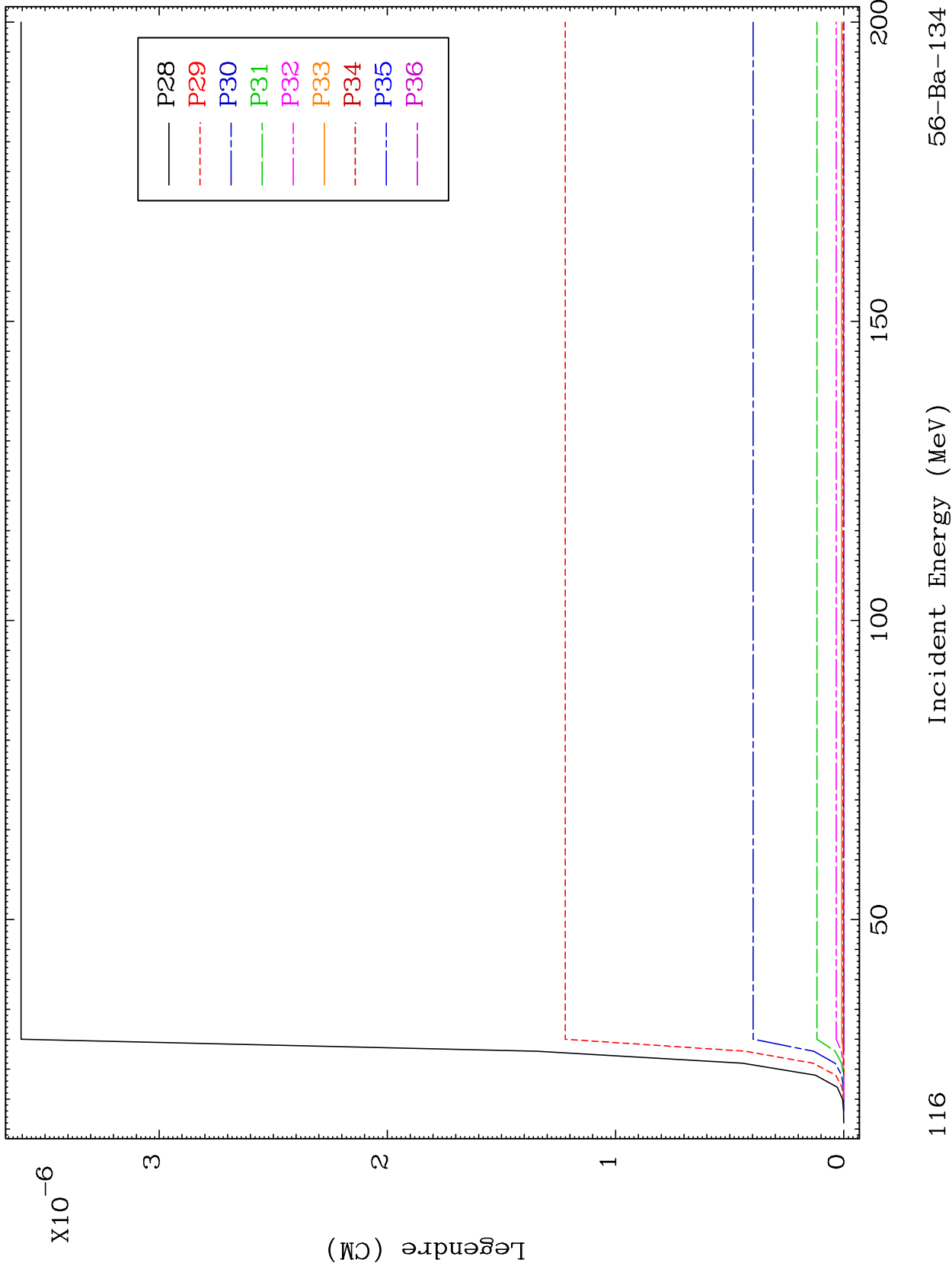
56-Ba-134



MAT 5637

2.464 MeV (n,n') Level
Legendre Coefficients

56-Ba-134



116

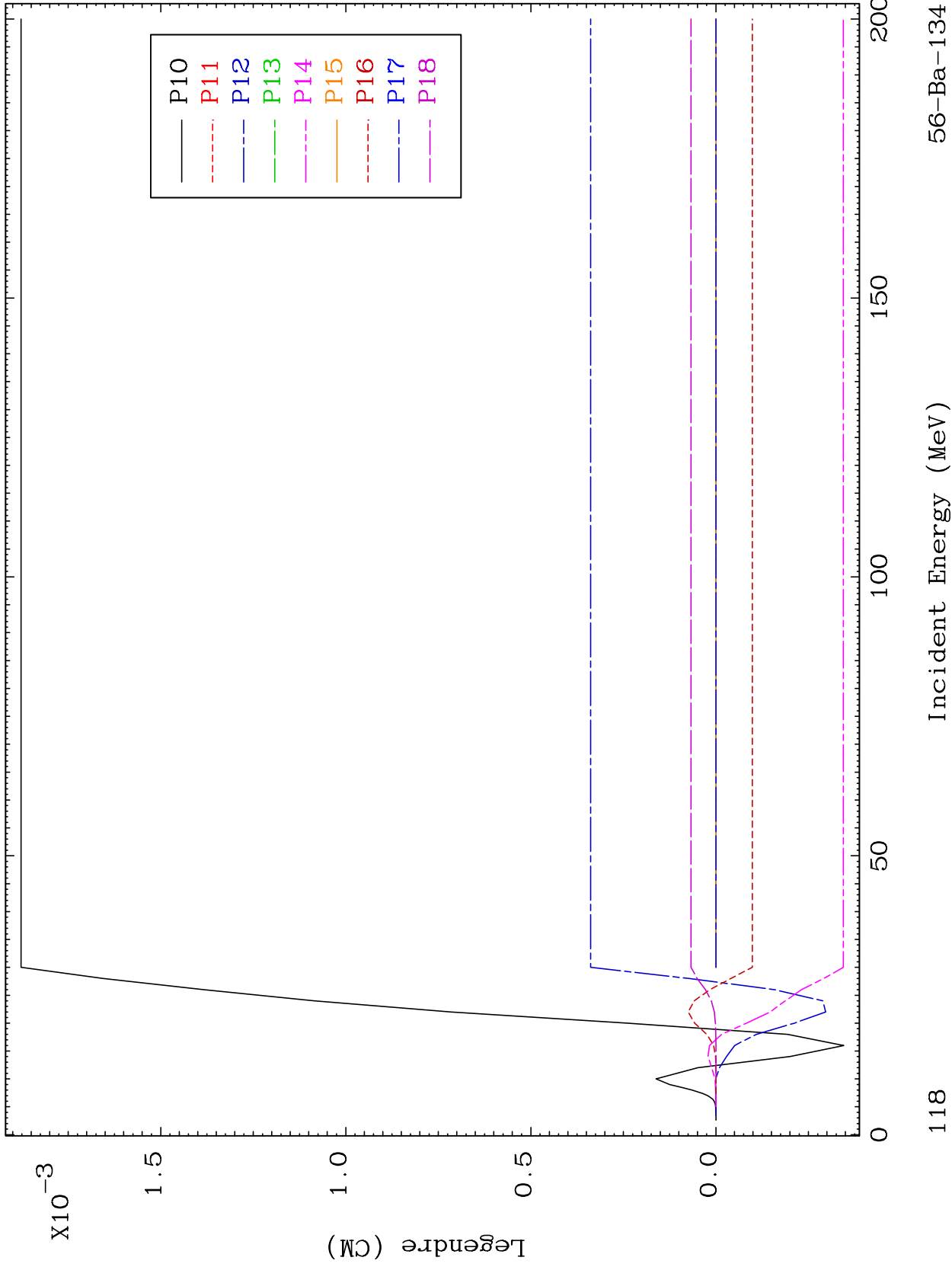
Incident Energy (MeV)

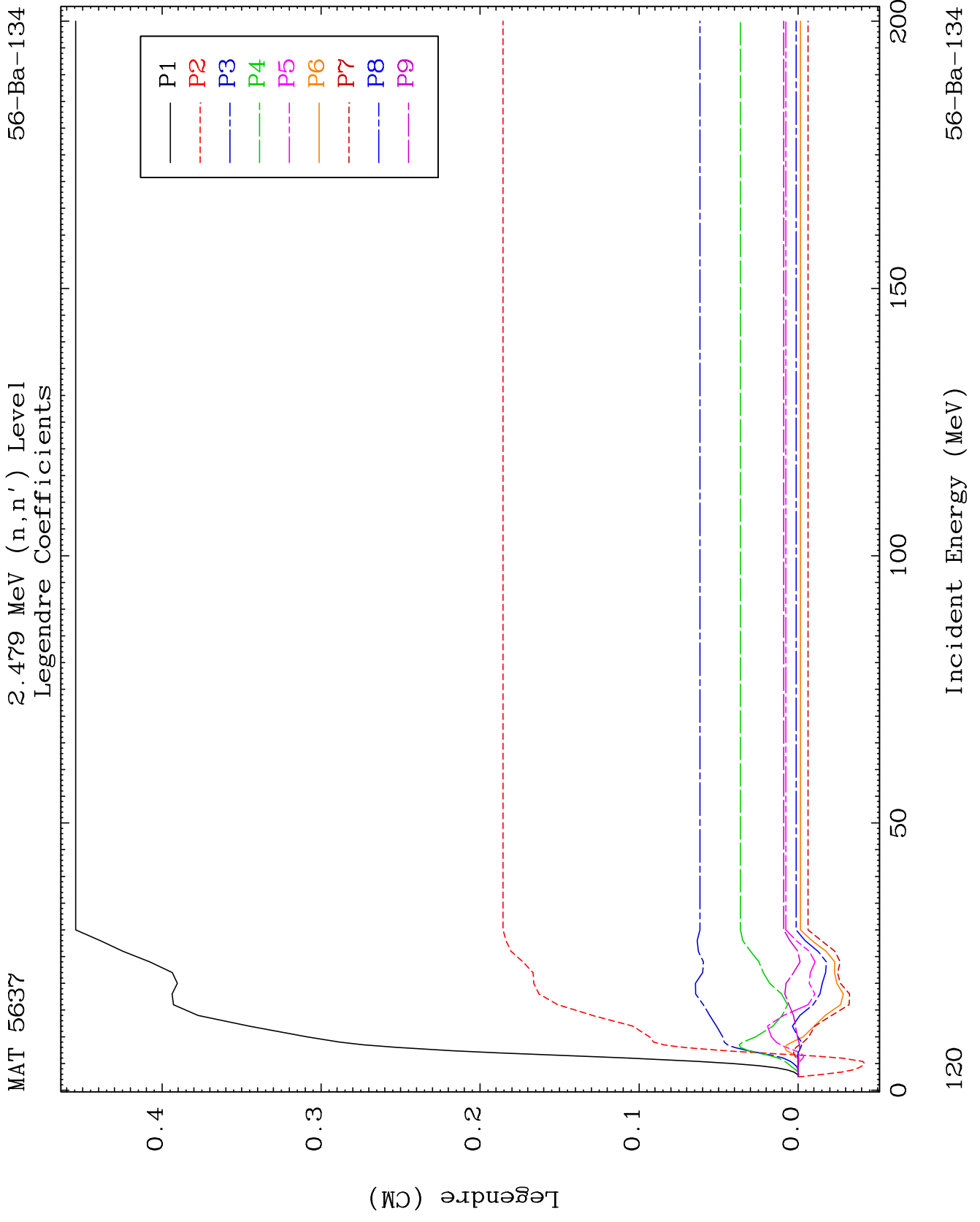
56-Ba-134

MAT 5637

2.470 MeV (n, n') Level
Legendre Coefficients

56-Ba-134

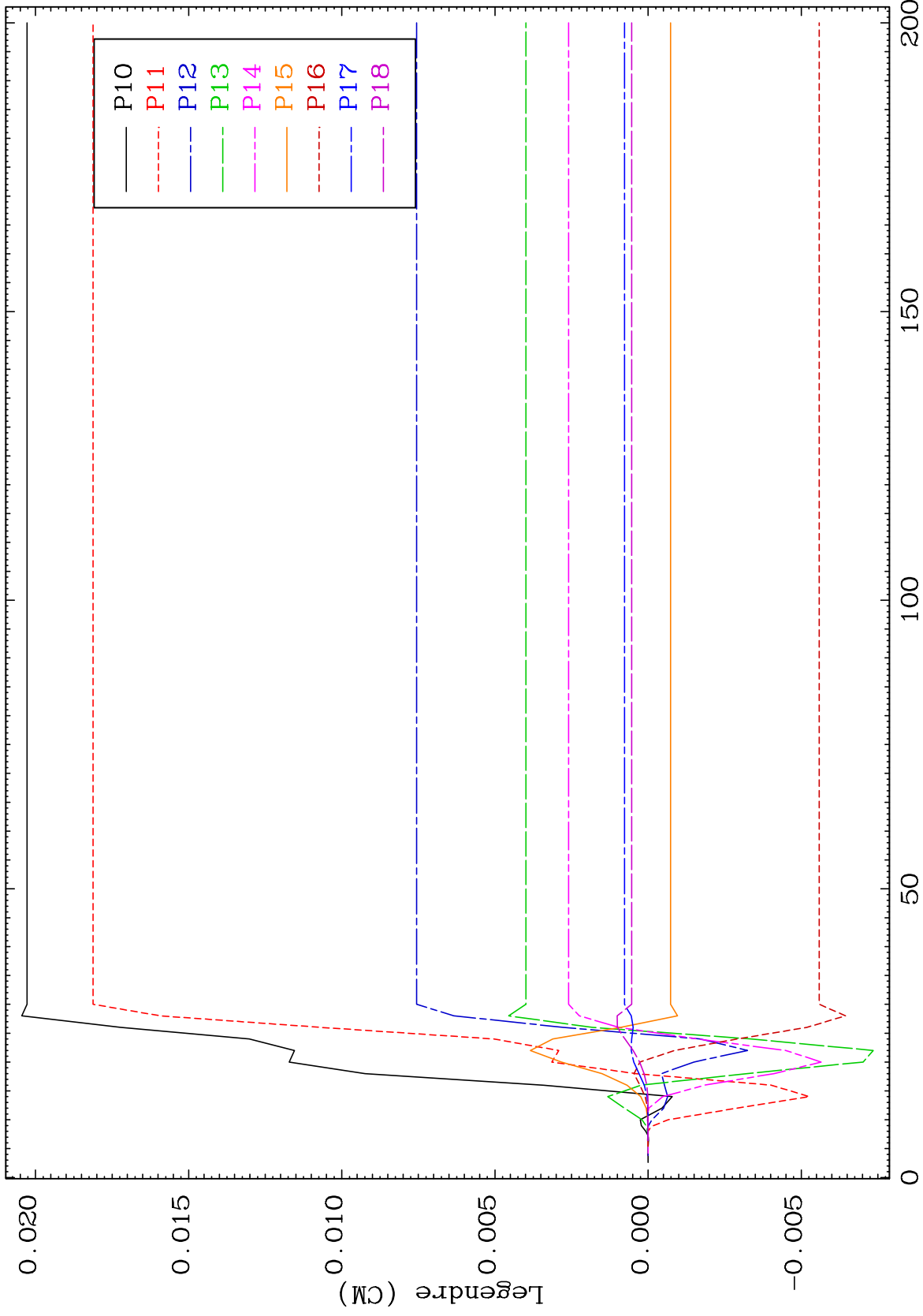




MAT 5637

2.479 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



121

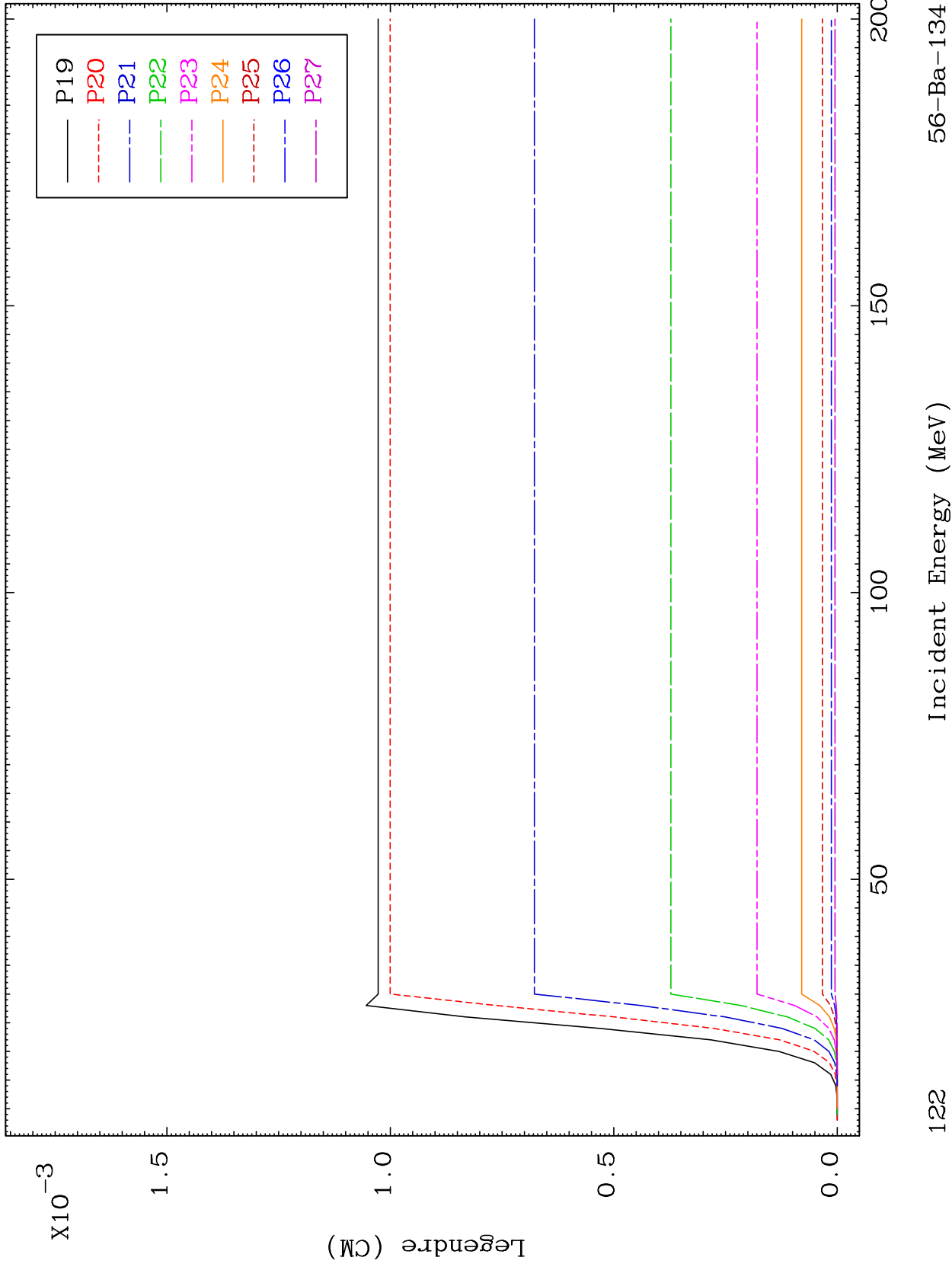
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.479 MeV (n,n') Level
Legendre Coefficients

56-Ba-134

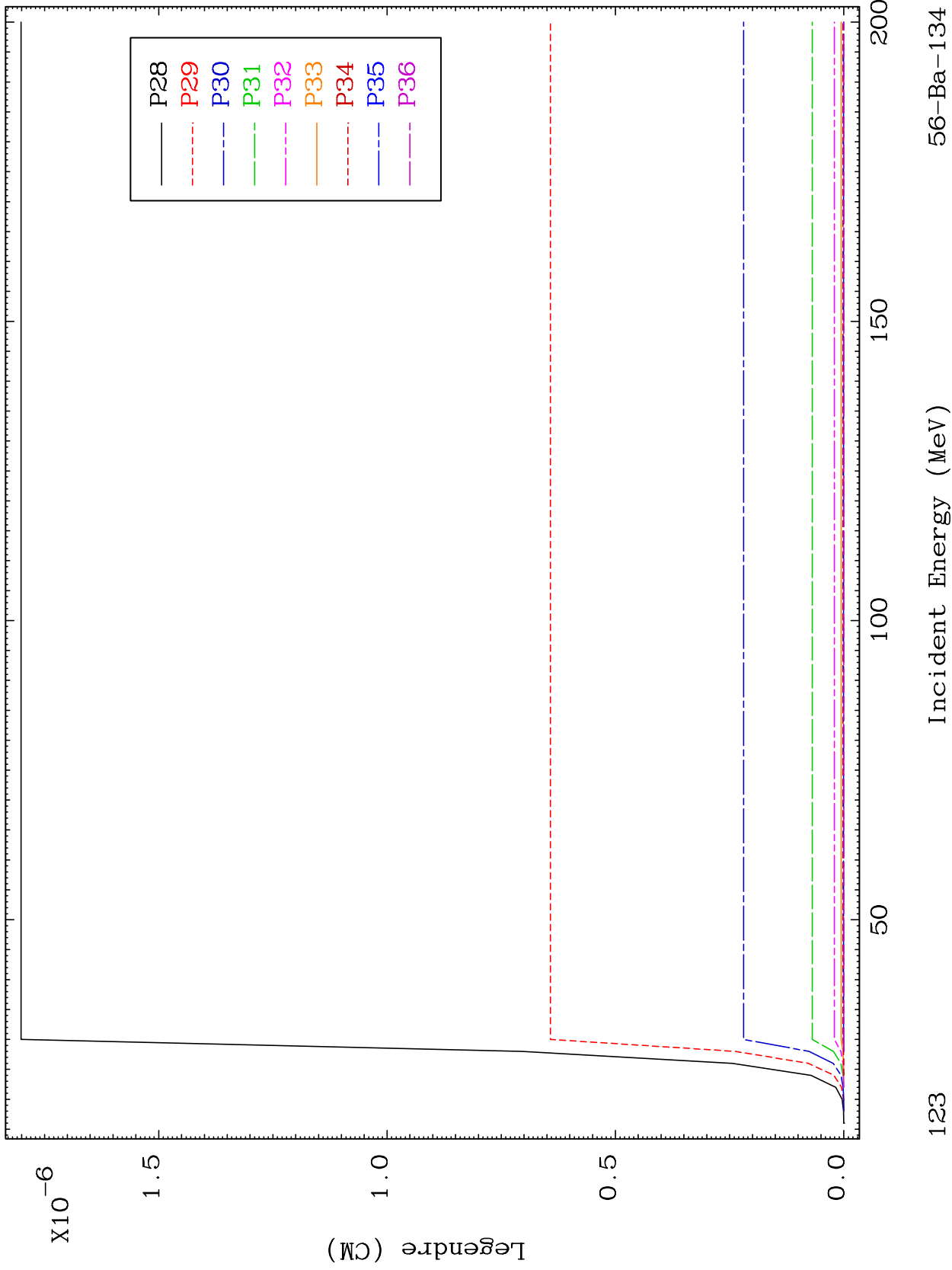


122

MAT 5637

2.479 MeV (n, n') Level
Legendre Coefficients

56-Ba-134



123

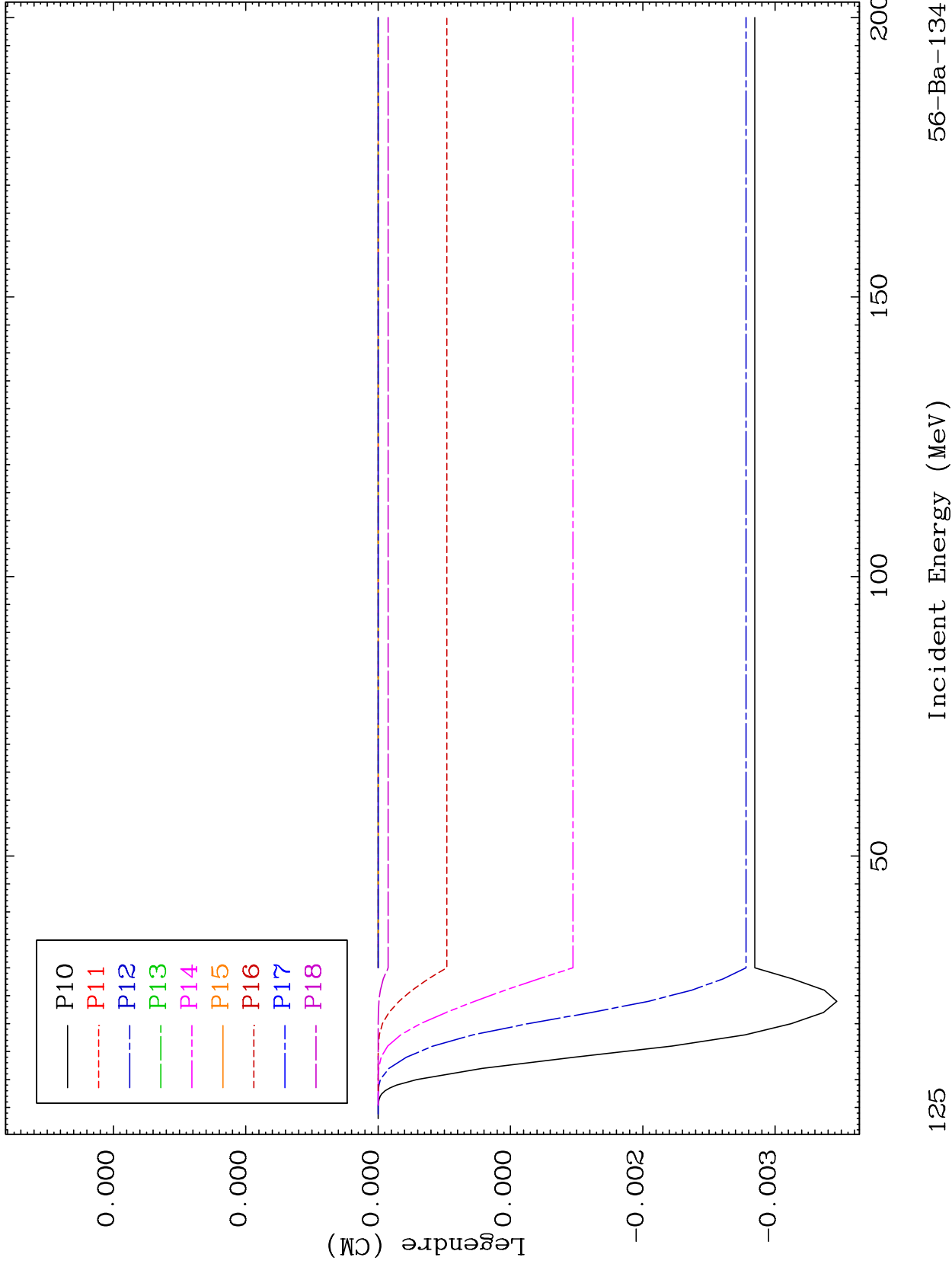
Incident Energy (MeV)

56-Ba-134

MAT 5637

2.480 MeV (n,n') Level
Legendre Coefficients

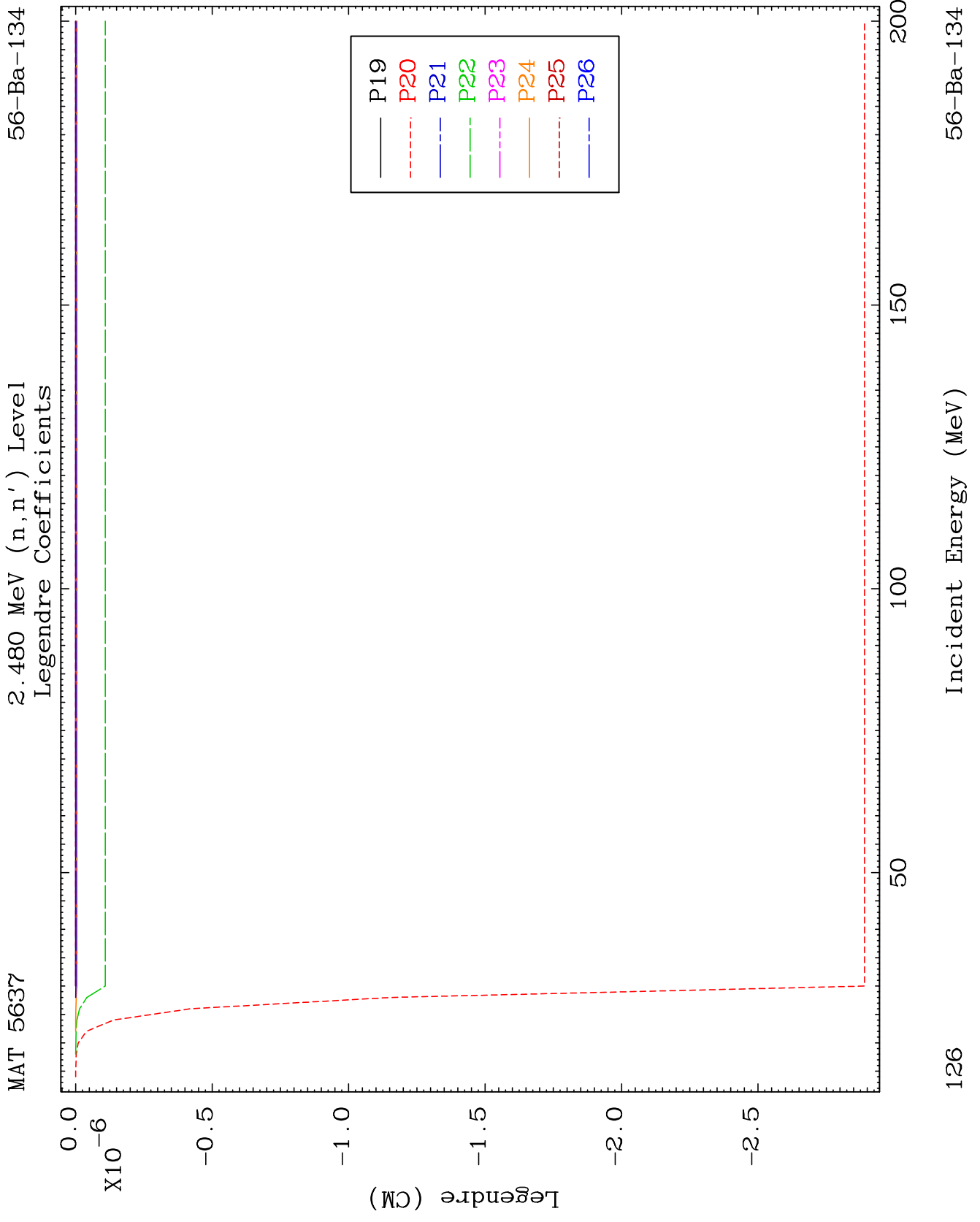
56-Ba-134

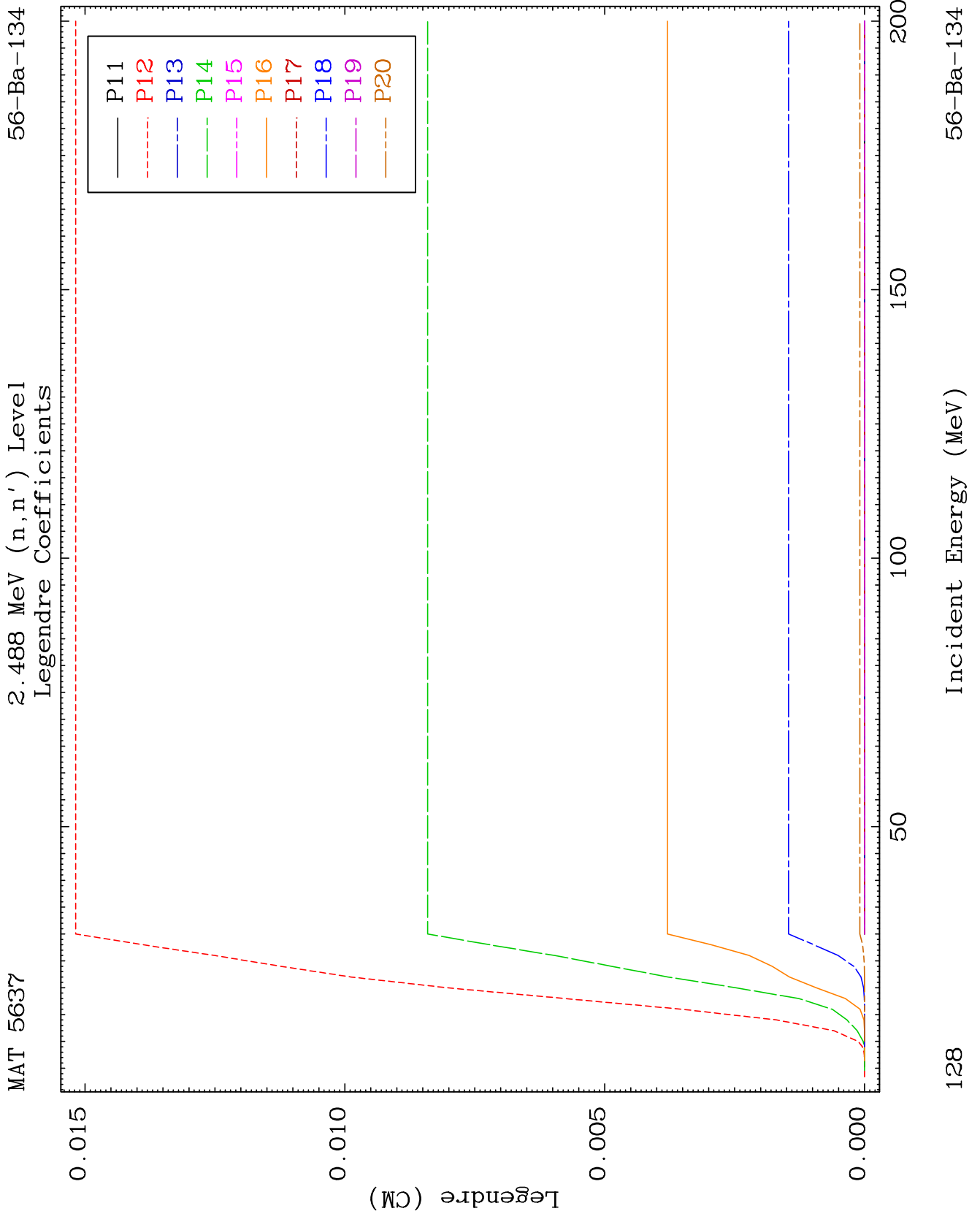


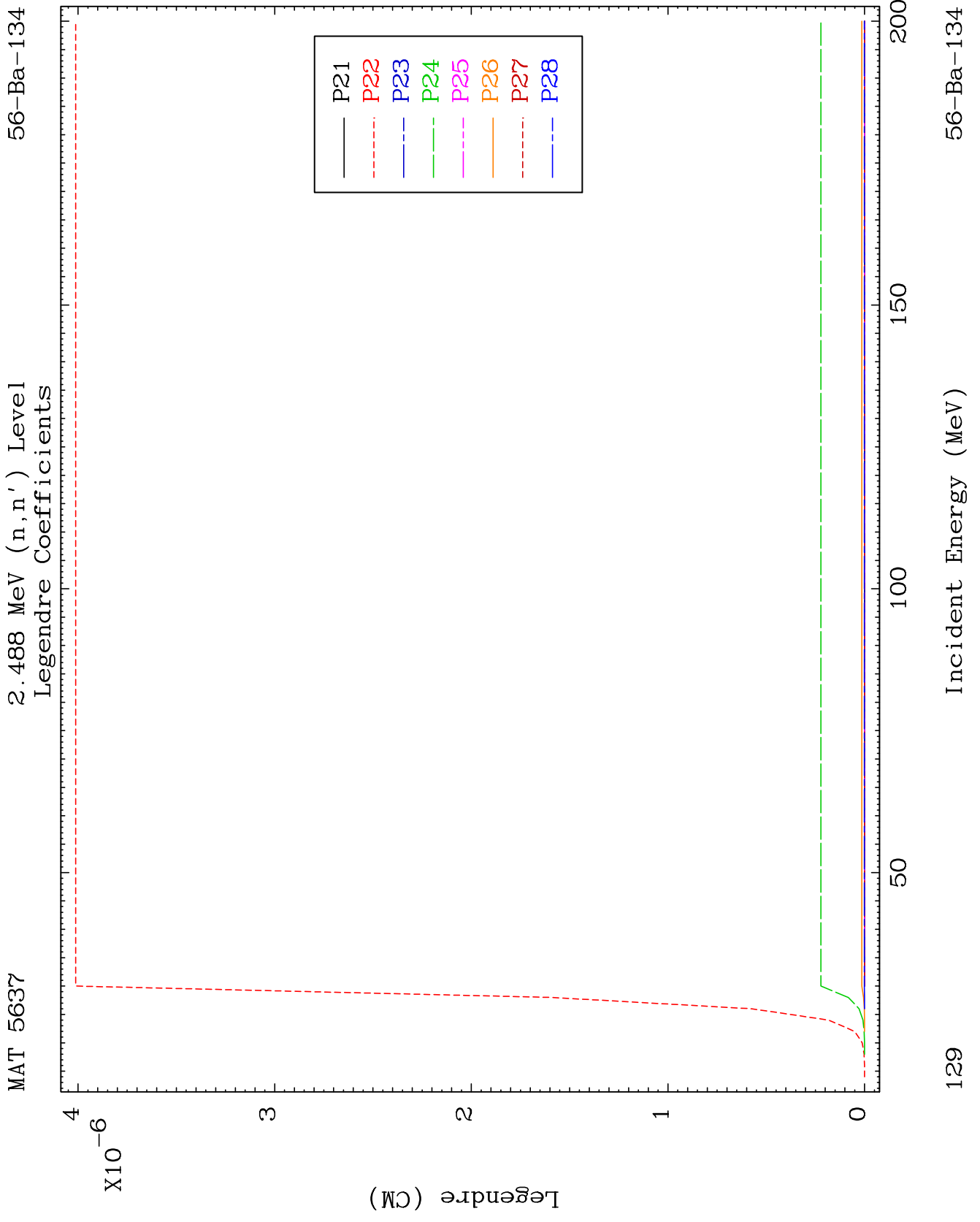
125

Incident Energy (MeV)

56-Ba-134





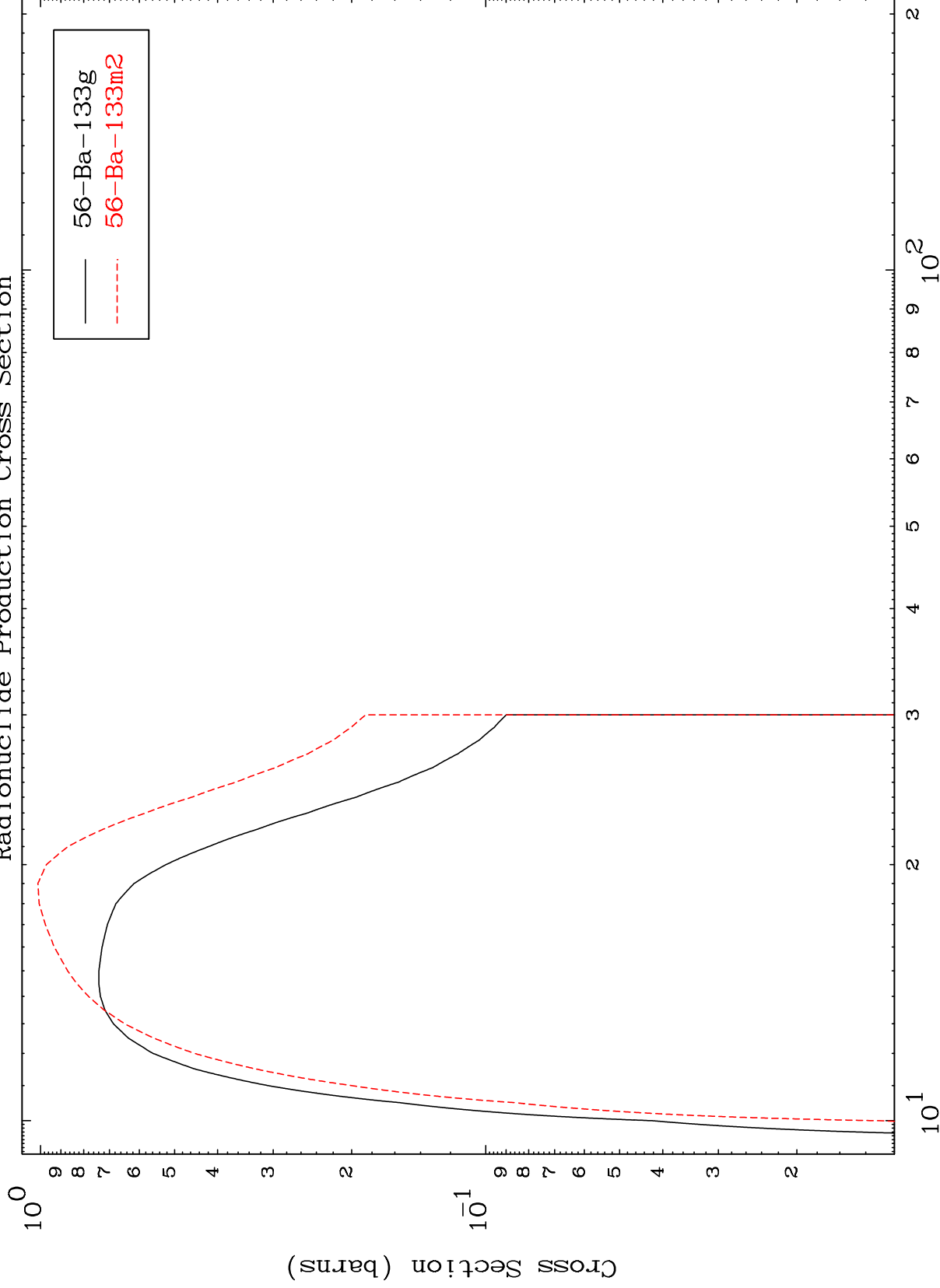


MAT 5637

(n,2n)

56-Ba-134

Radionuclide Production Cross Section



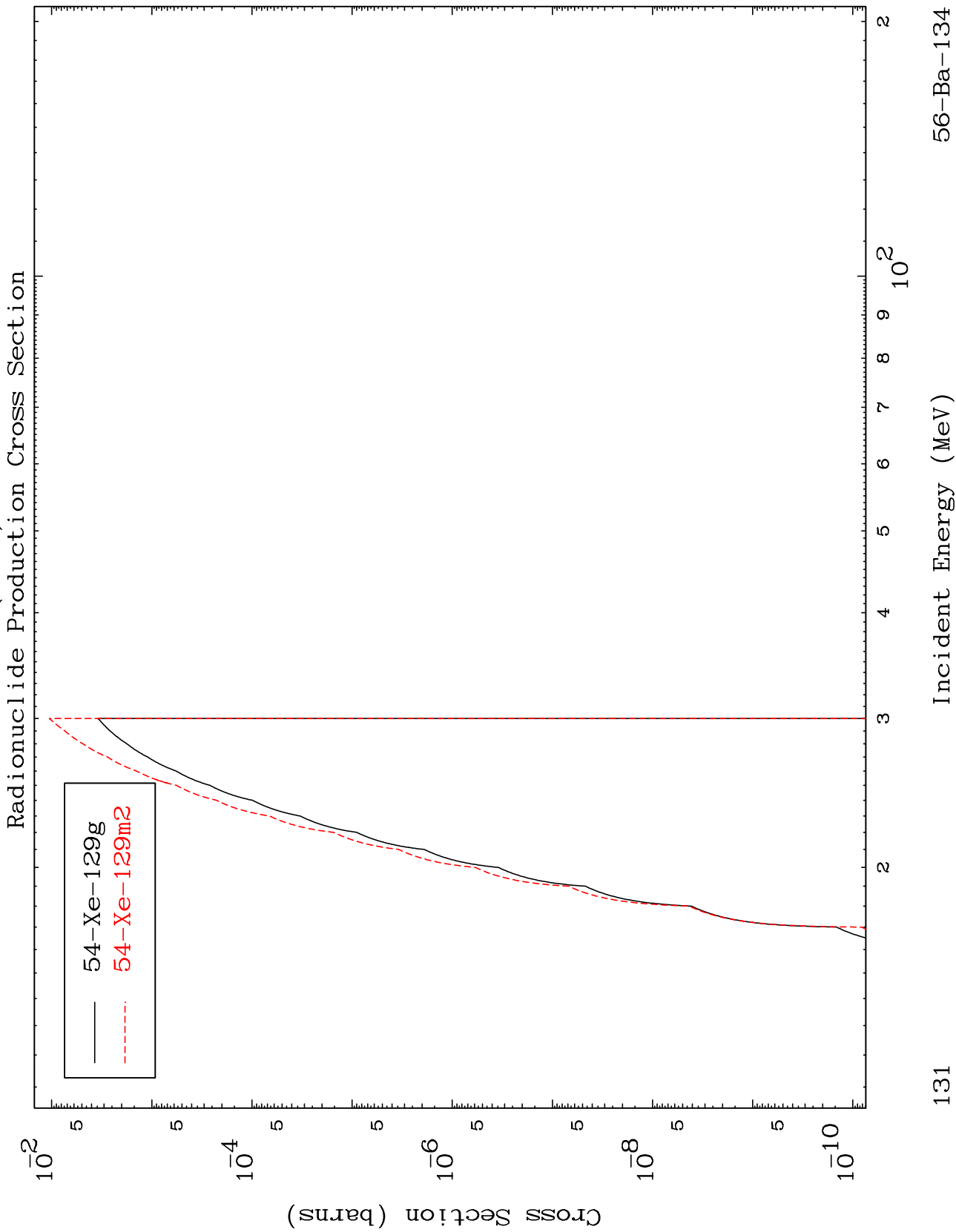
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,2n) α

56-Ba-134



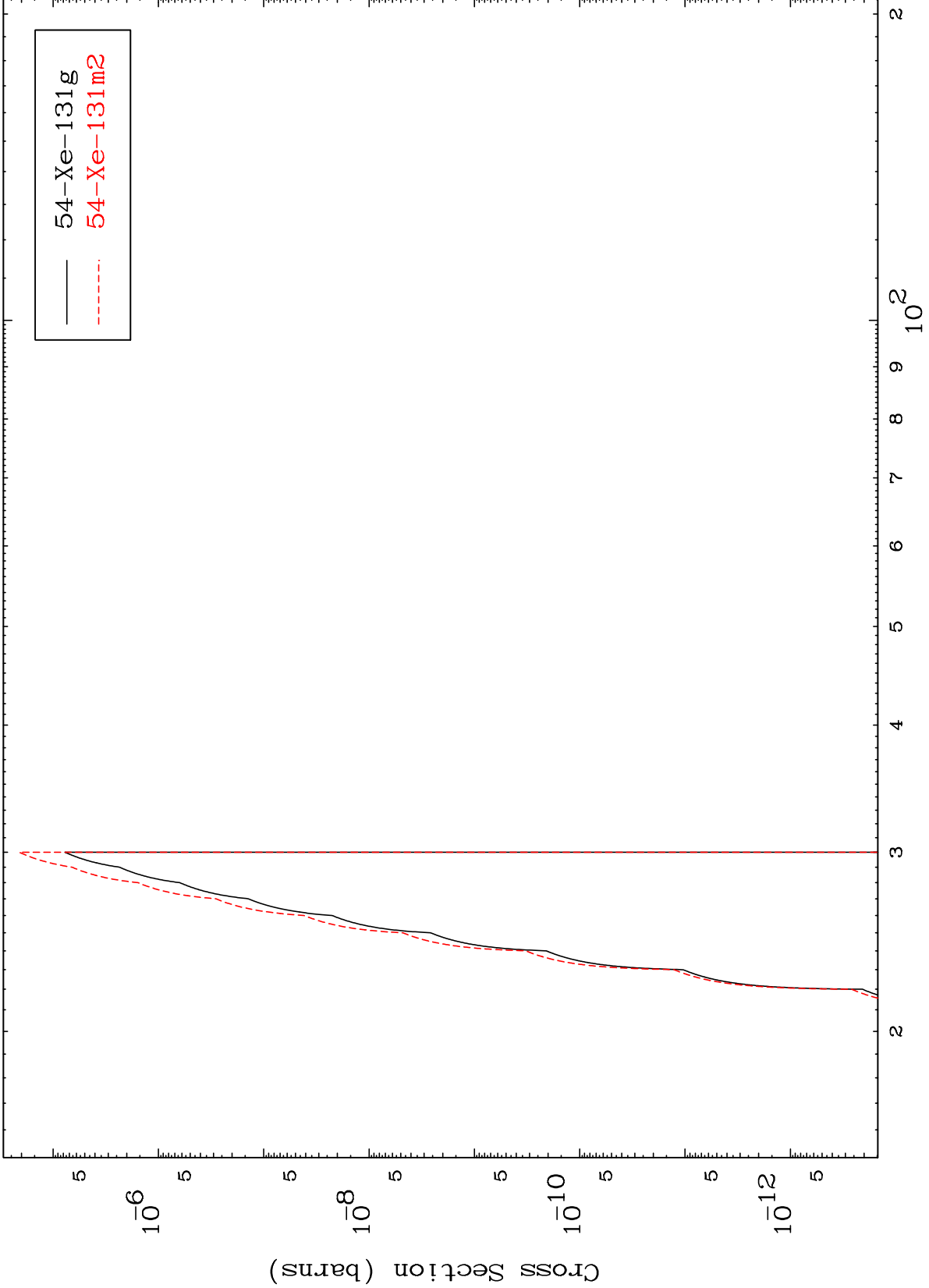
131

MAT 5637

(n,n') He-3

56-Ba-134

Radionuclide Production Cross Section



132

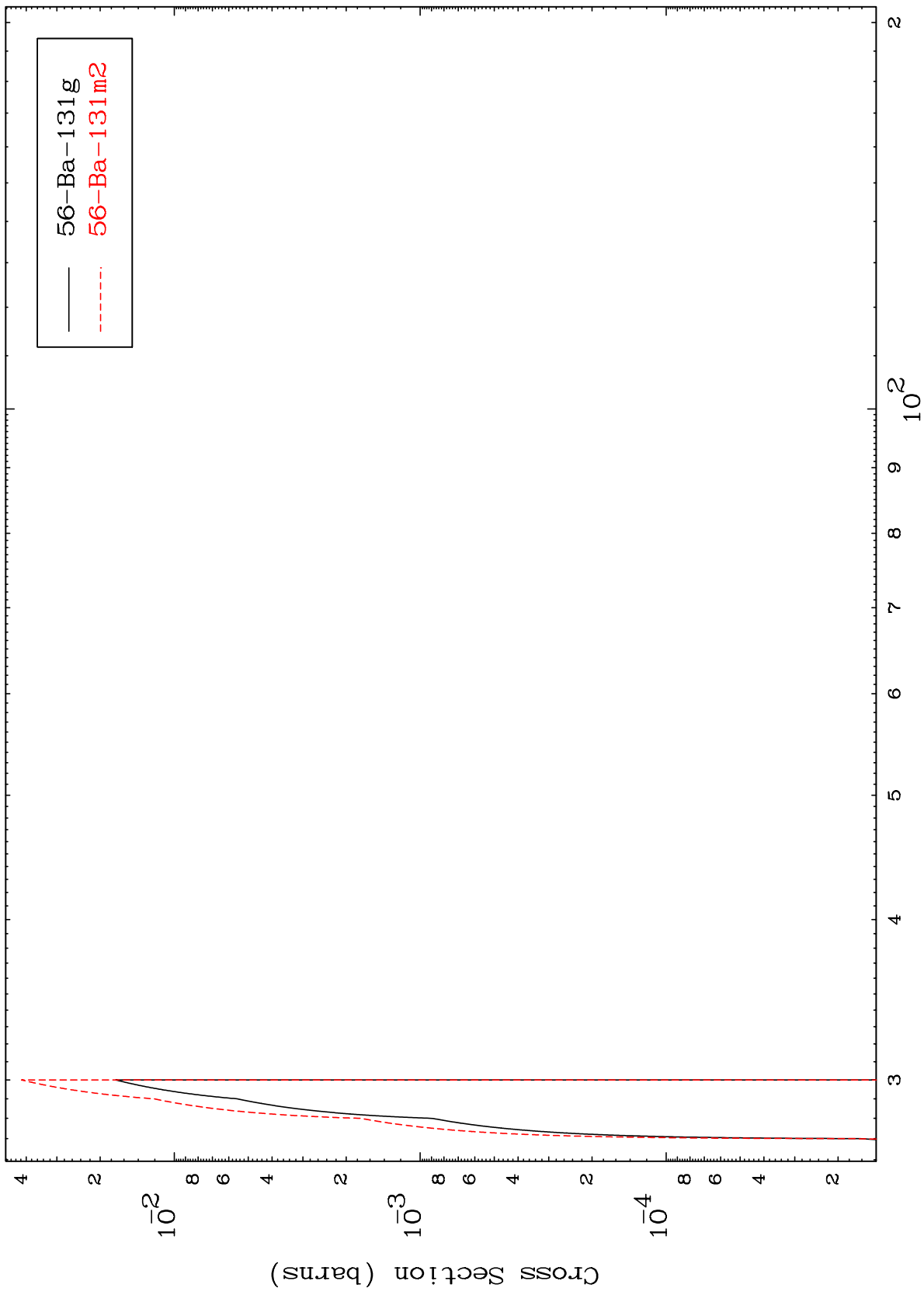
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

(n,4n)
Radionuclide Production Cross Section



56-Ba-134

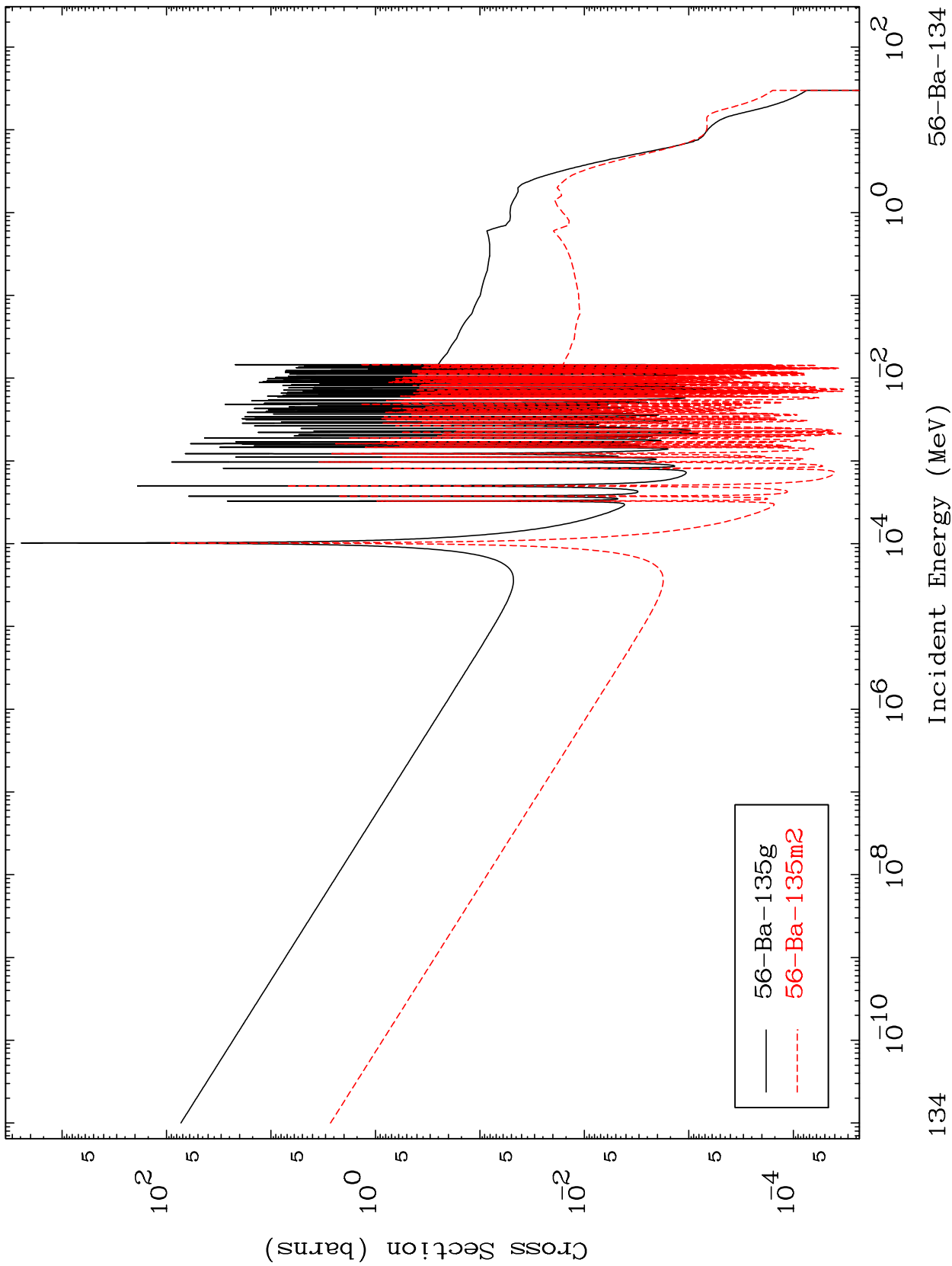
Incident Energy (MeV)

133

MAT 5637

56-Ba-134

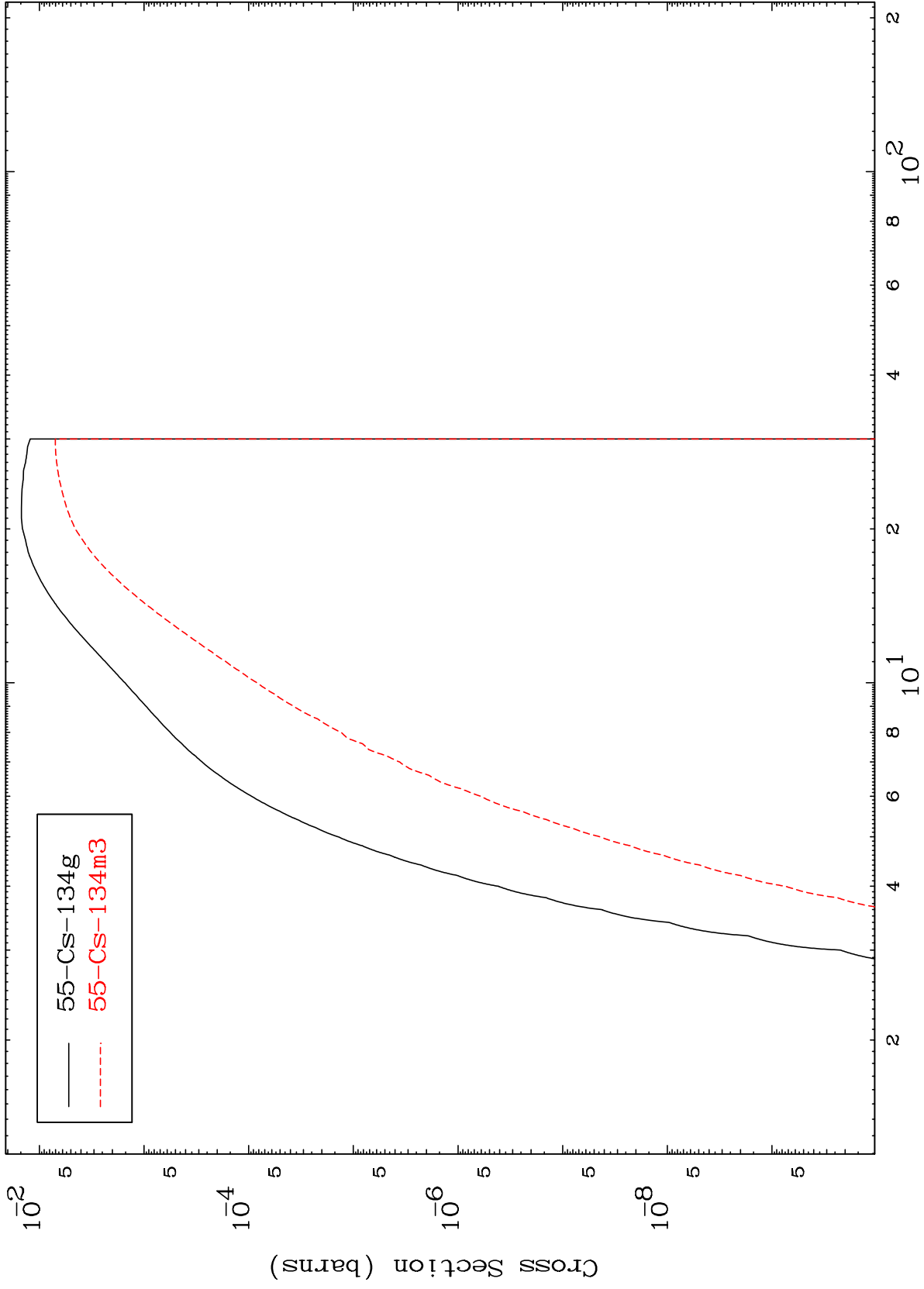
(n, γ)
Radionuclide Production Cross Section



MAT 5637

56-Ba-134

(n,p)
Radionuclide Production Cross Section



135

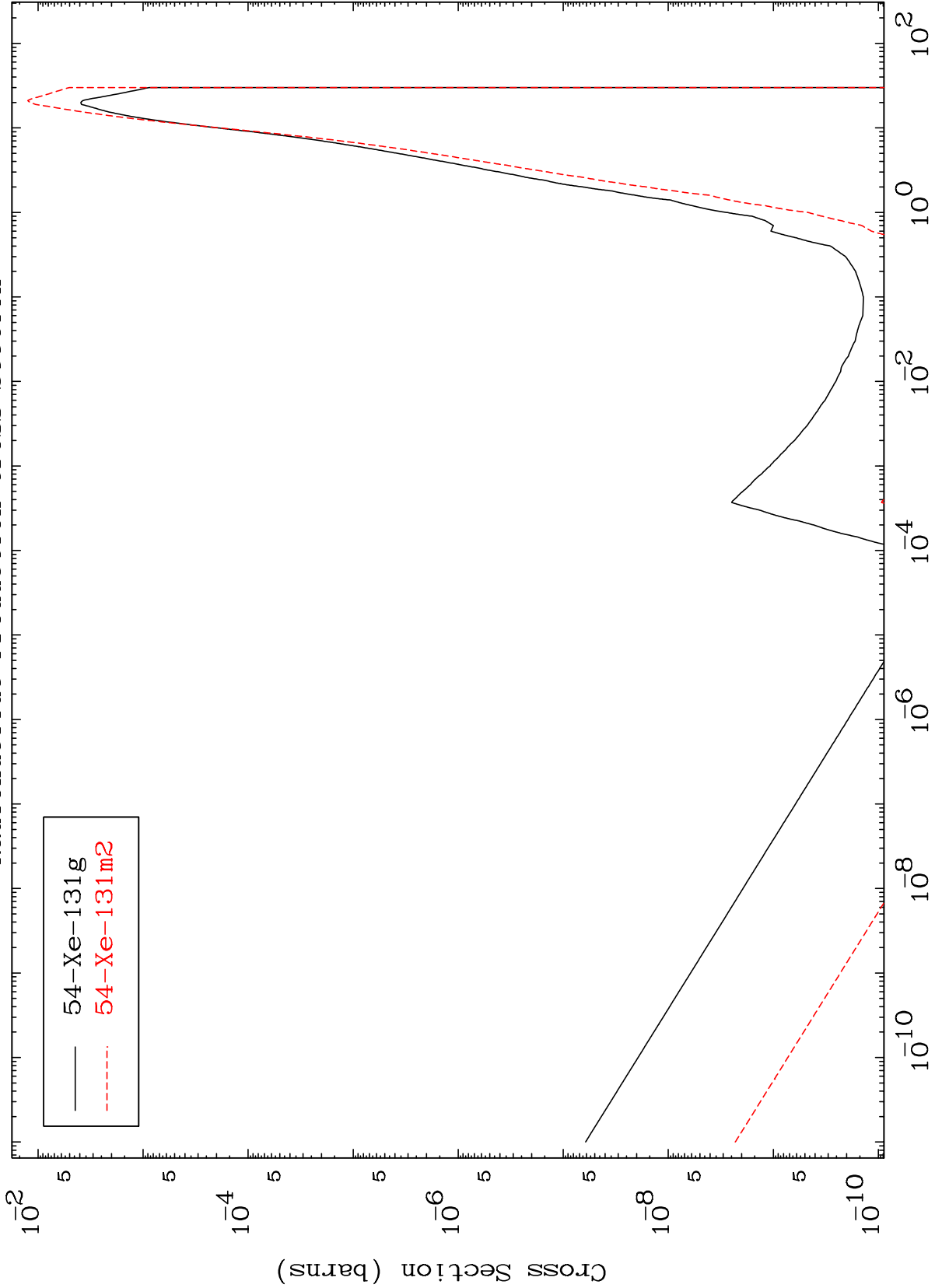
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

Radionuclide Production Cross Section
(n, α)



54-Xe-131g
54-Xe-131m2

56-Ba-134

Incident Energy (MeV)

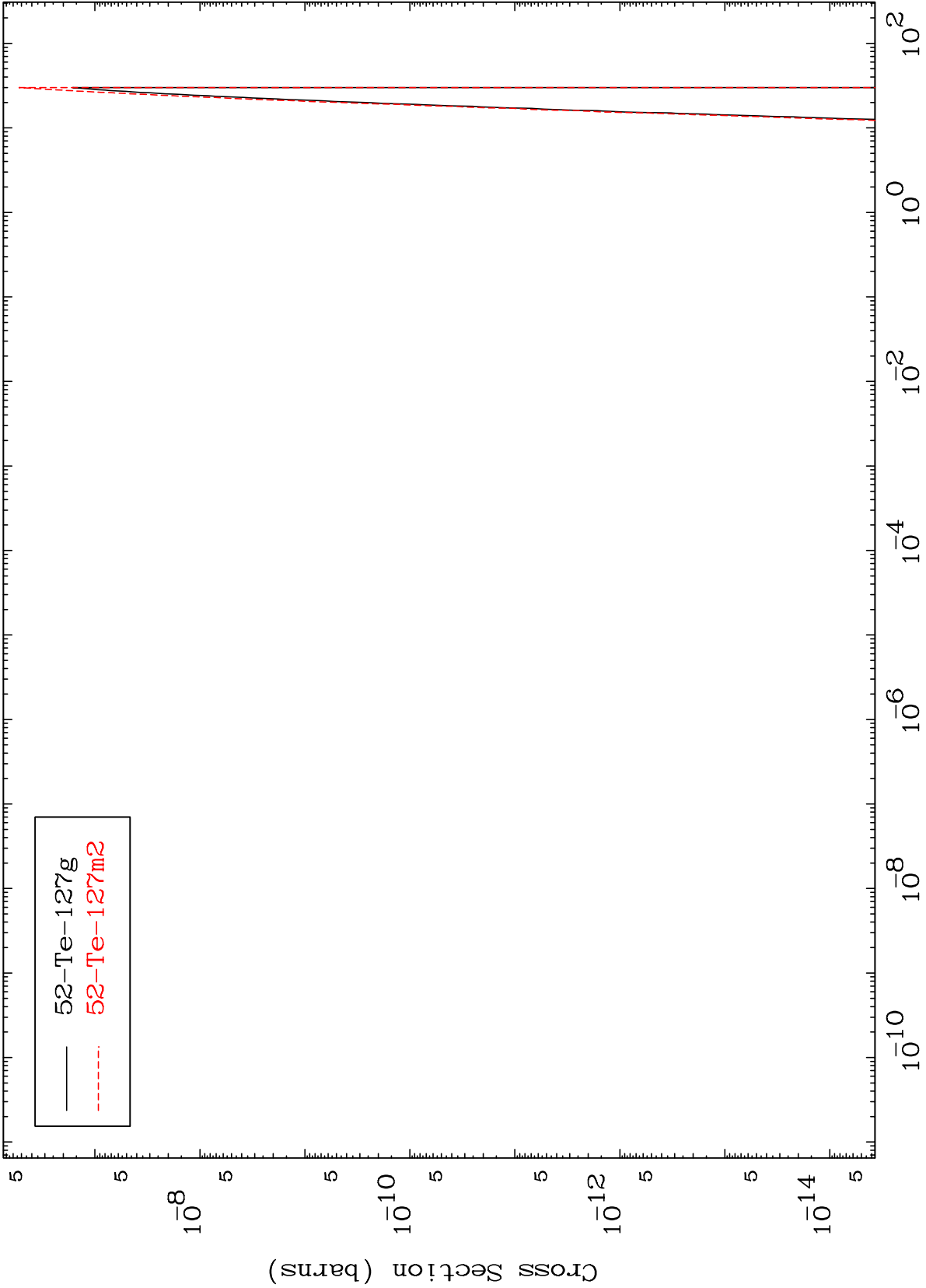
136

MAT 5637

(n,2α)

56-Ba-134

Radionuclide Production Cross Section



52-Te-127g
52-Te-127m2

137

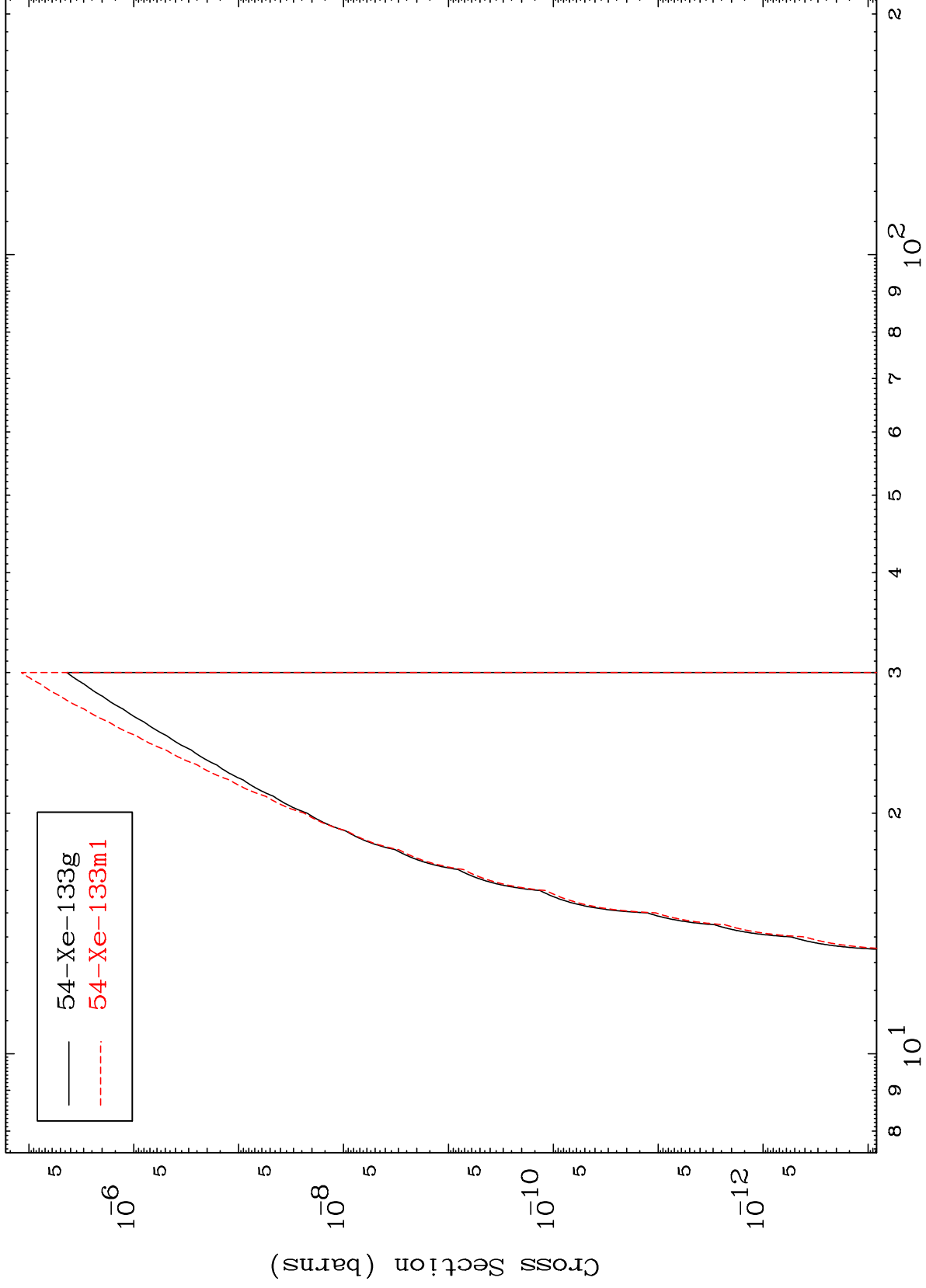
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

(n,2p)
Radionuclide Production Cross Section



138

Incident Energy (MeV)

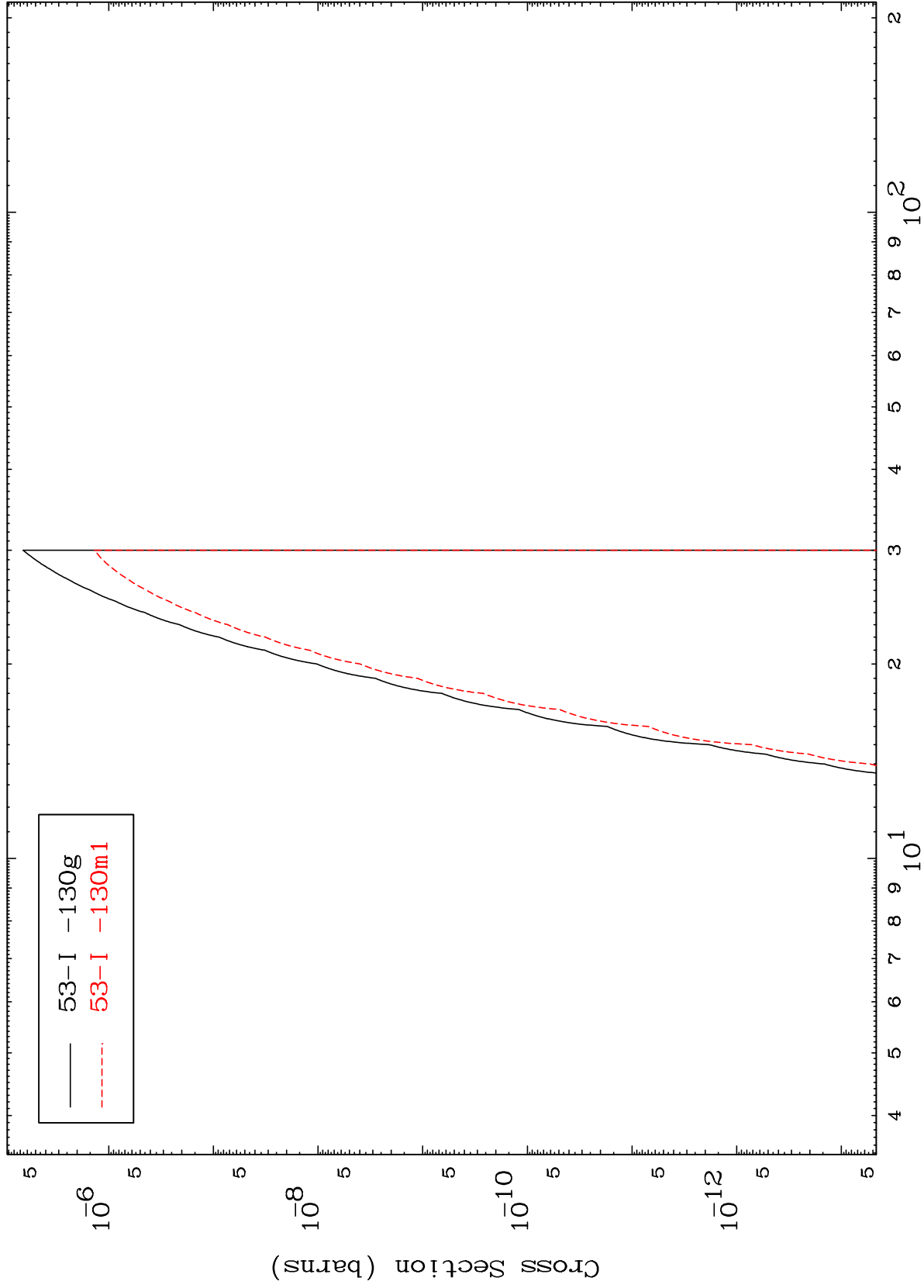
56-Ba-134

MAT 5637

(n,p) α

56-Ba-134

Radionuclide Production Cross Section



139

Incident Energy (MeV)

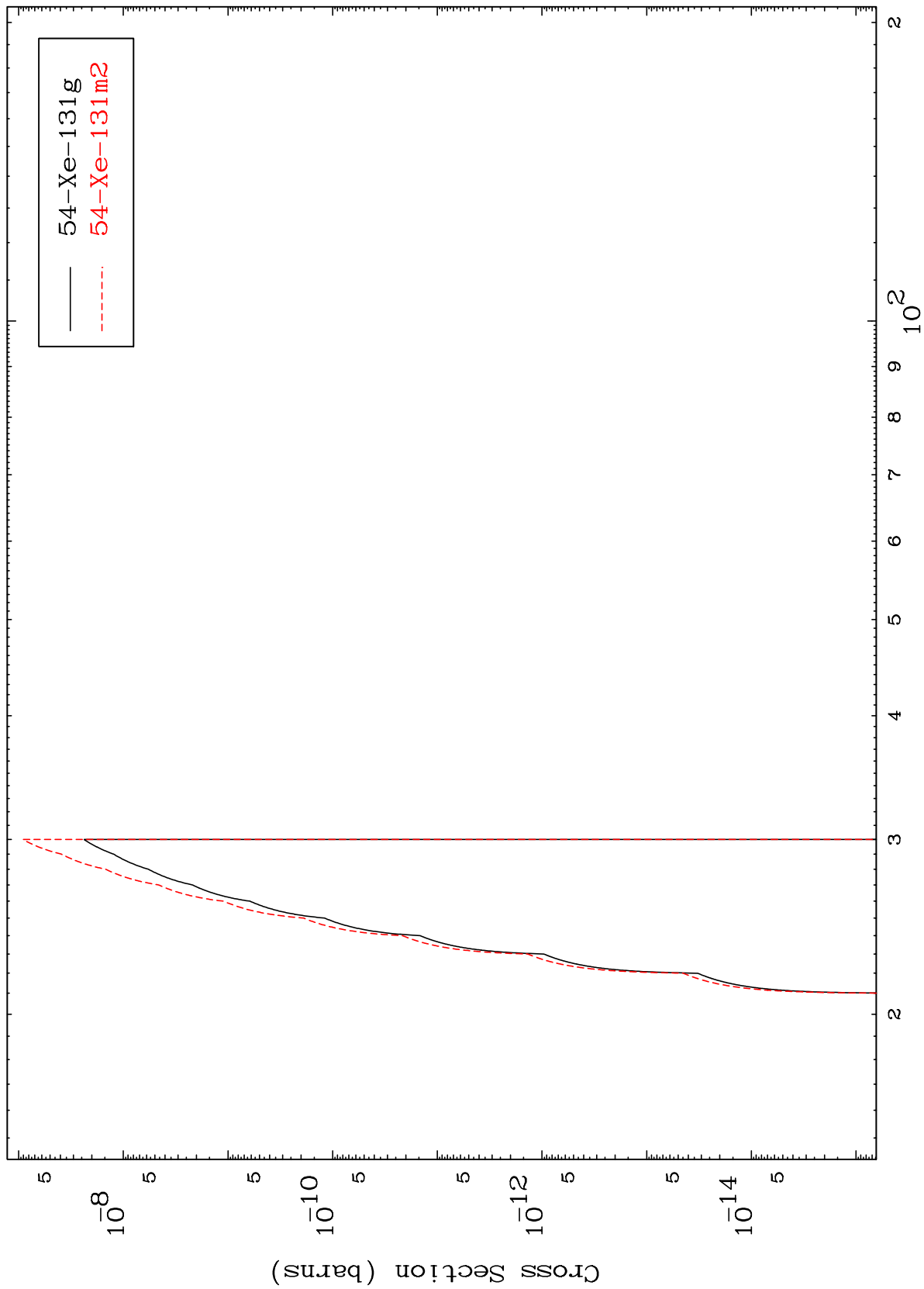
56-Ba-134

MAT 5637

(n,p) t

56-Ba-134

Radionuclide Production Cross Section



140

Incident Energy (MeV)

56-Ba-134