

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

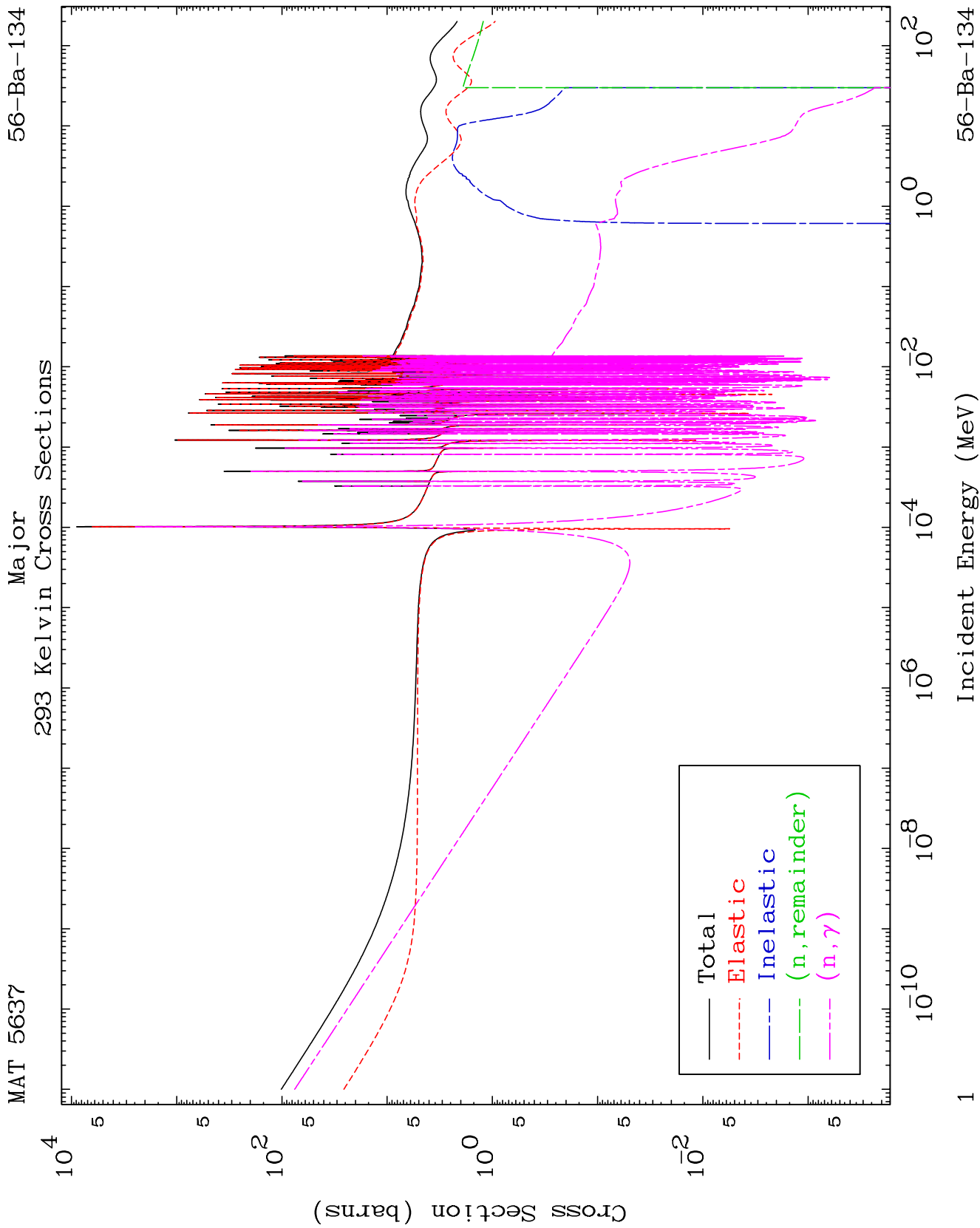
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

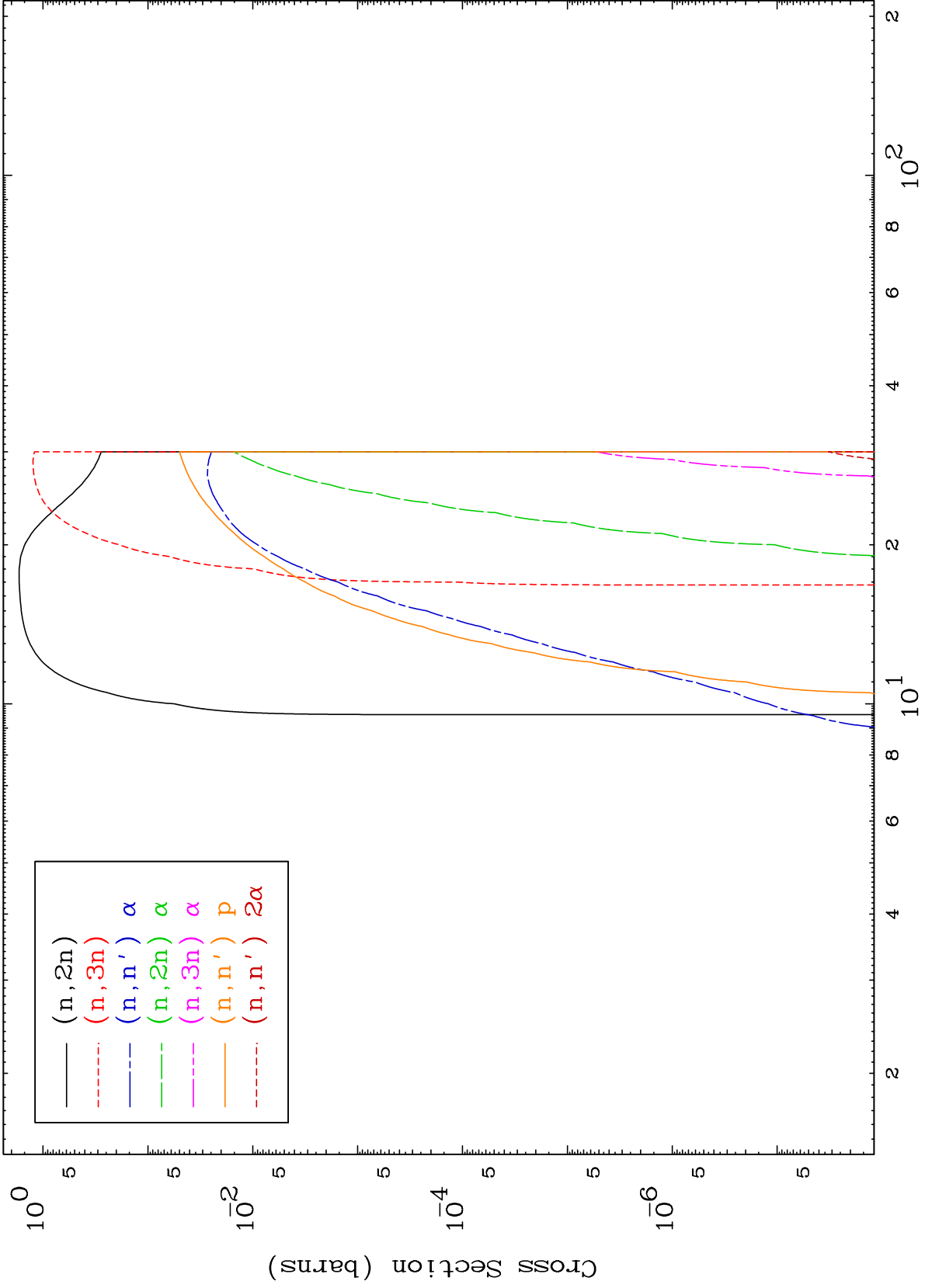
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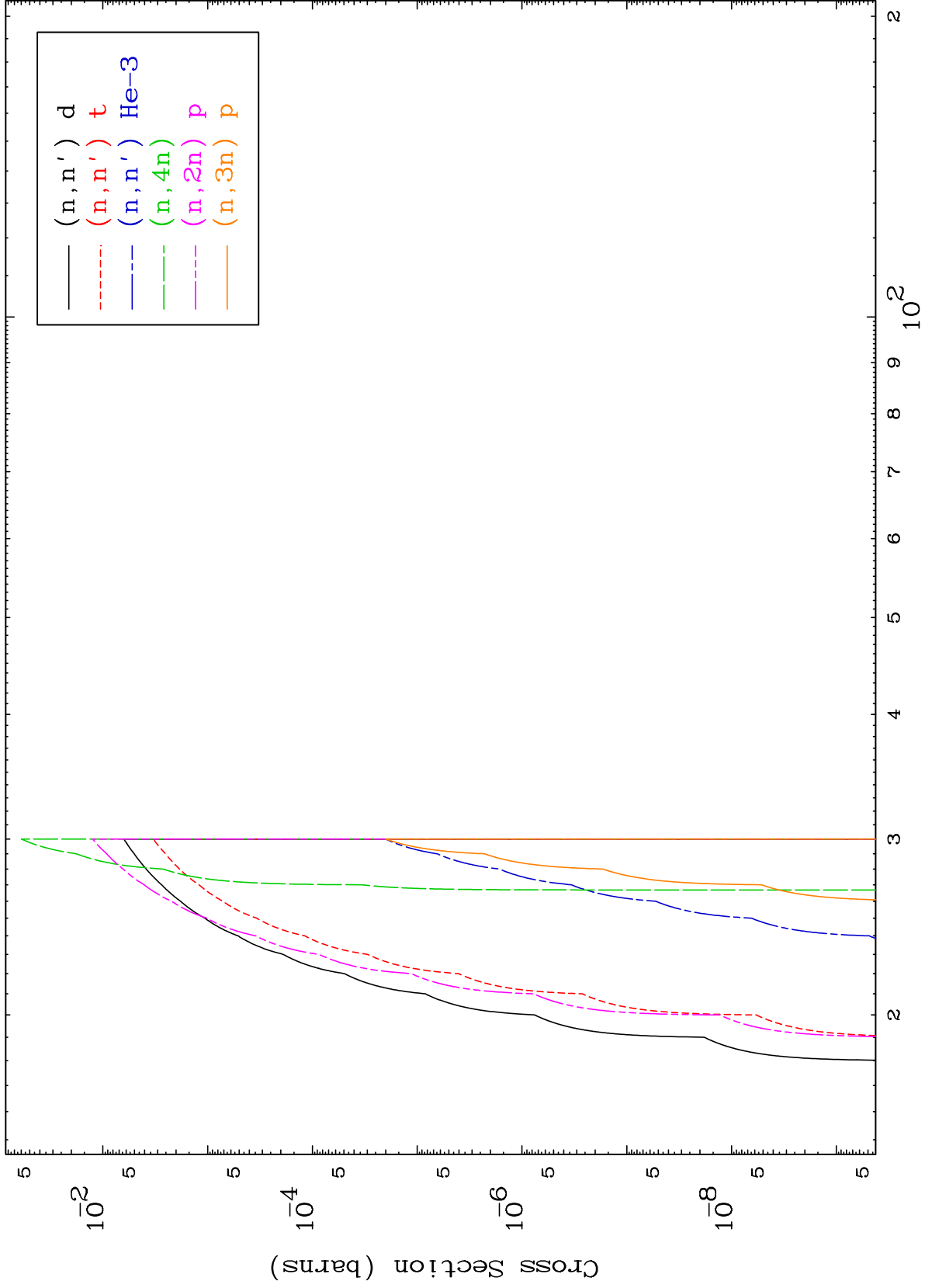


MAT 5637

Neutron Production
293 Kelvin Cross Sections

56-Ba-134

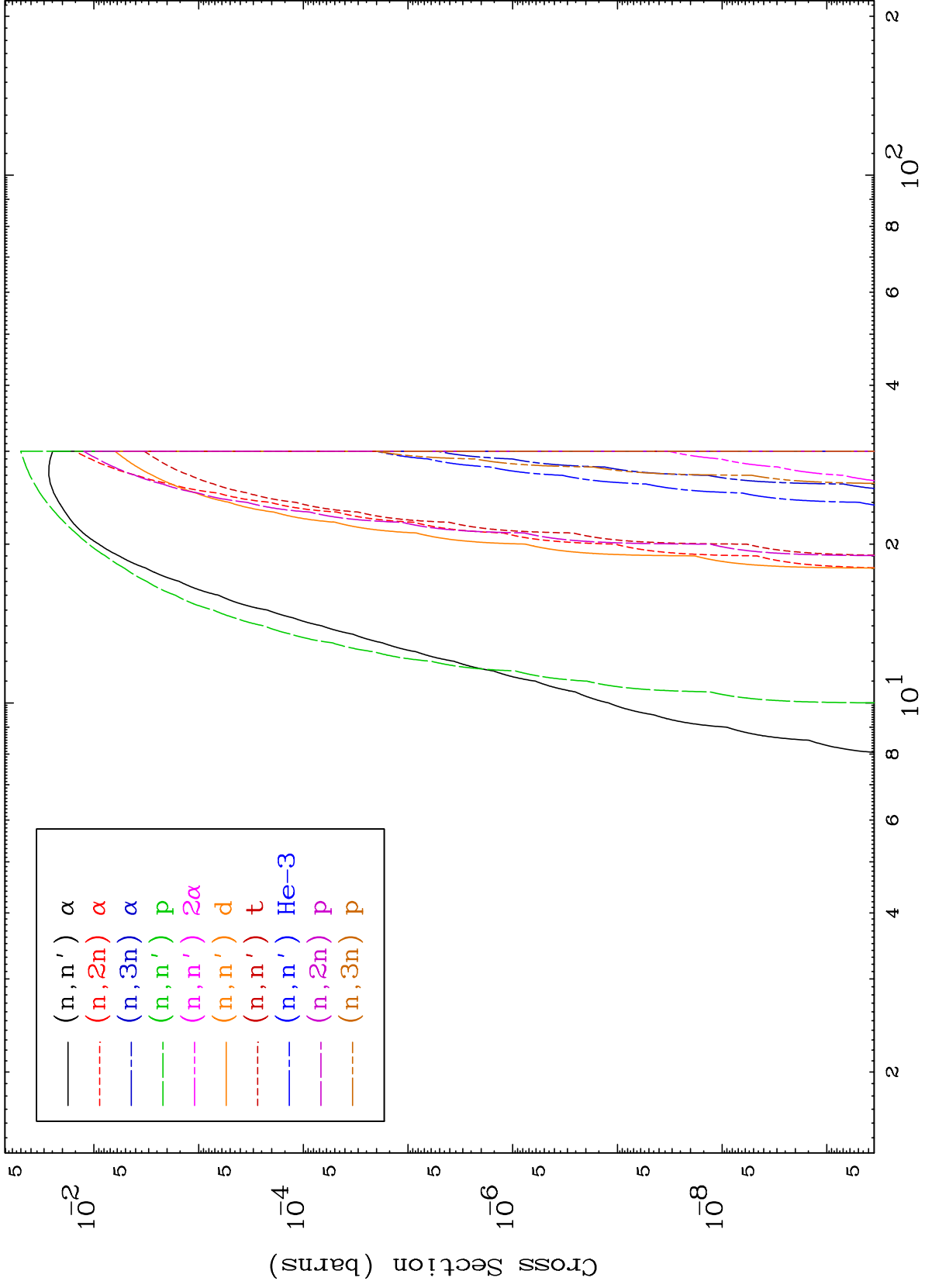




MAT 5637

Charged Particle
293 Kelvin Cross Sections

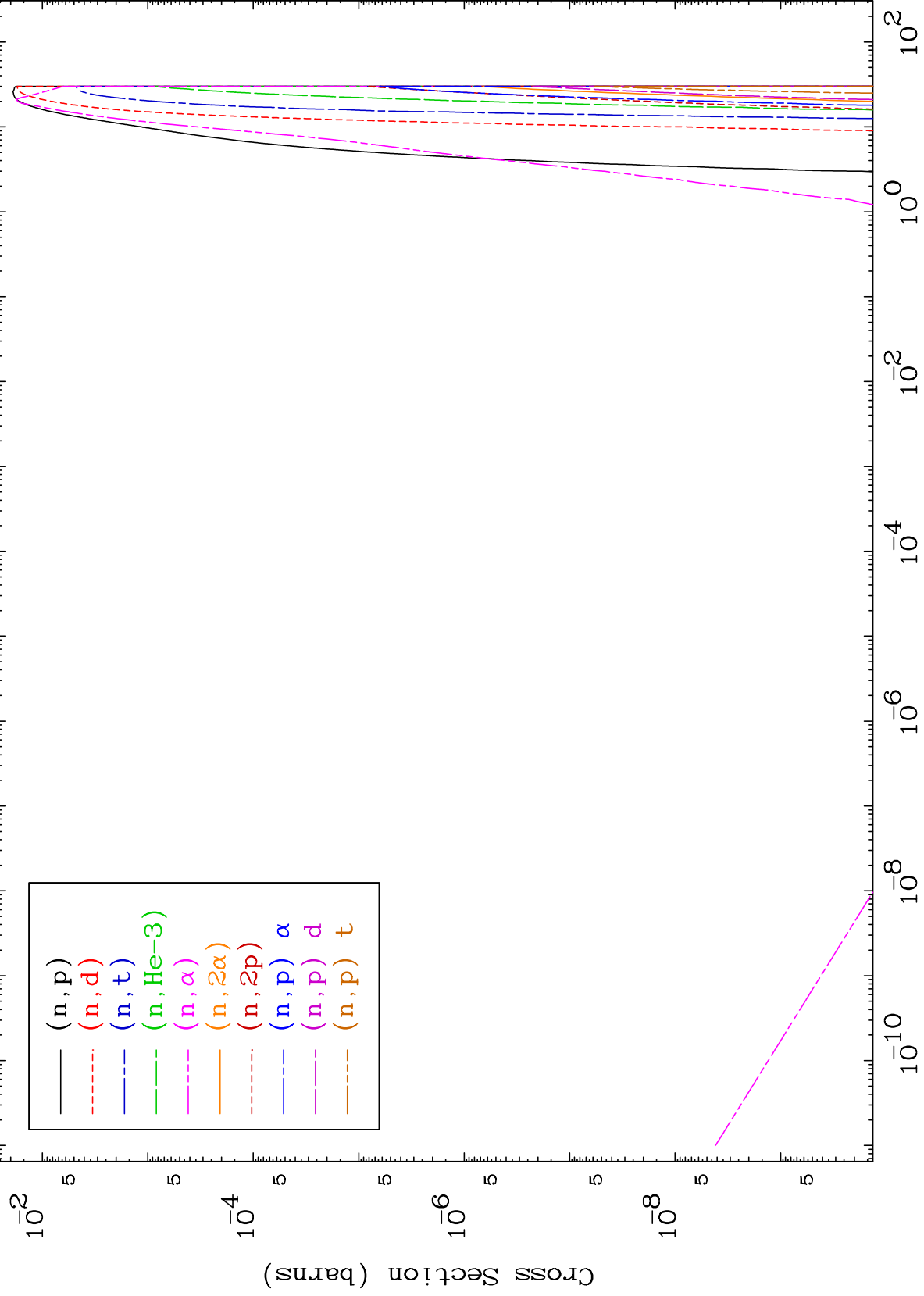
56-Ba-134



MAT 5637

Charged Particle
293 Kelvin Cross Sections

56-Ba-134



5

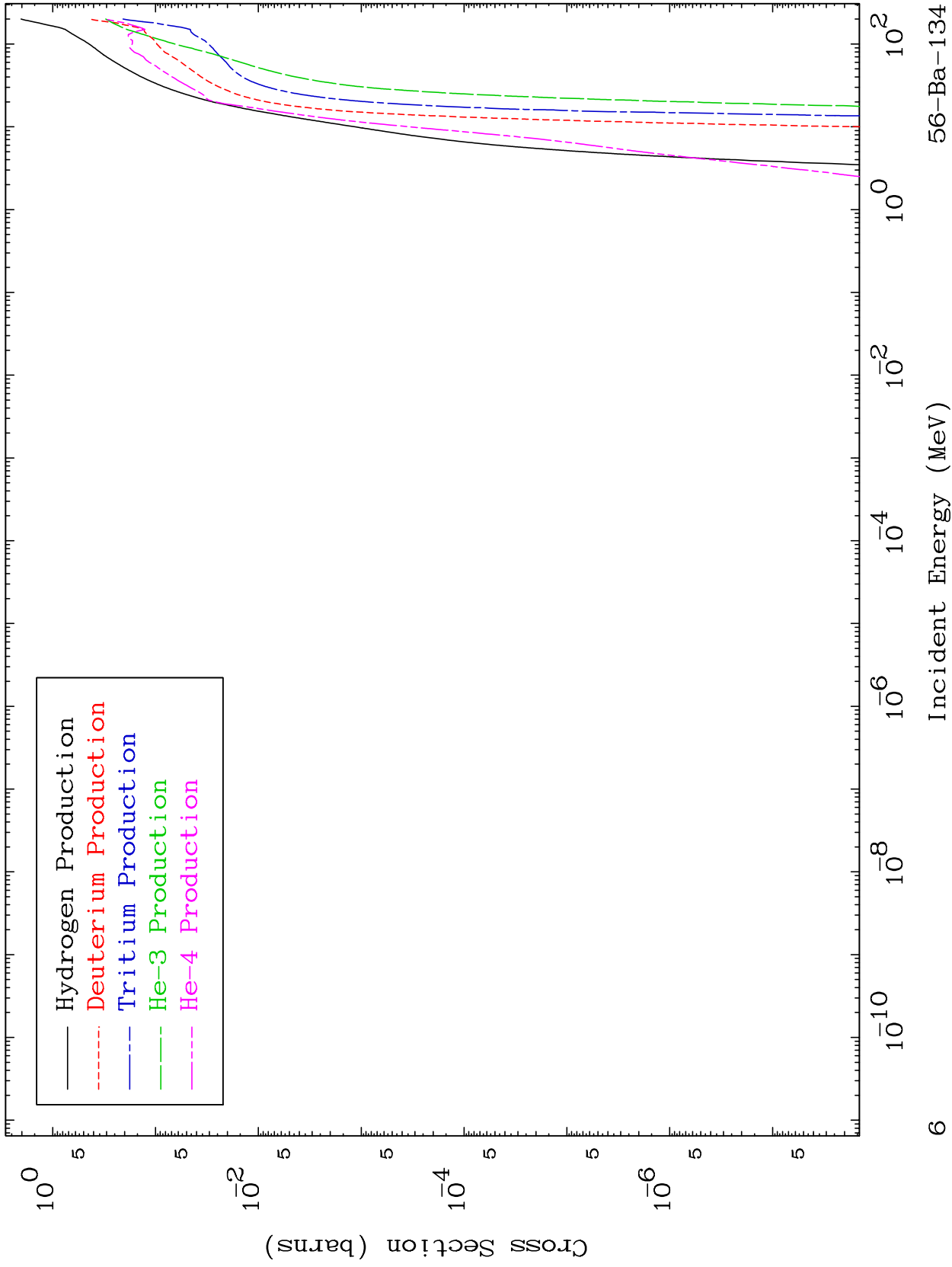
Incident Energy (MeV)

56-Ba-134

MAT 5637

Particle Production
293 Kelvin Cross Sections

56-Ba-134

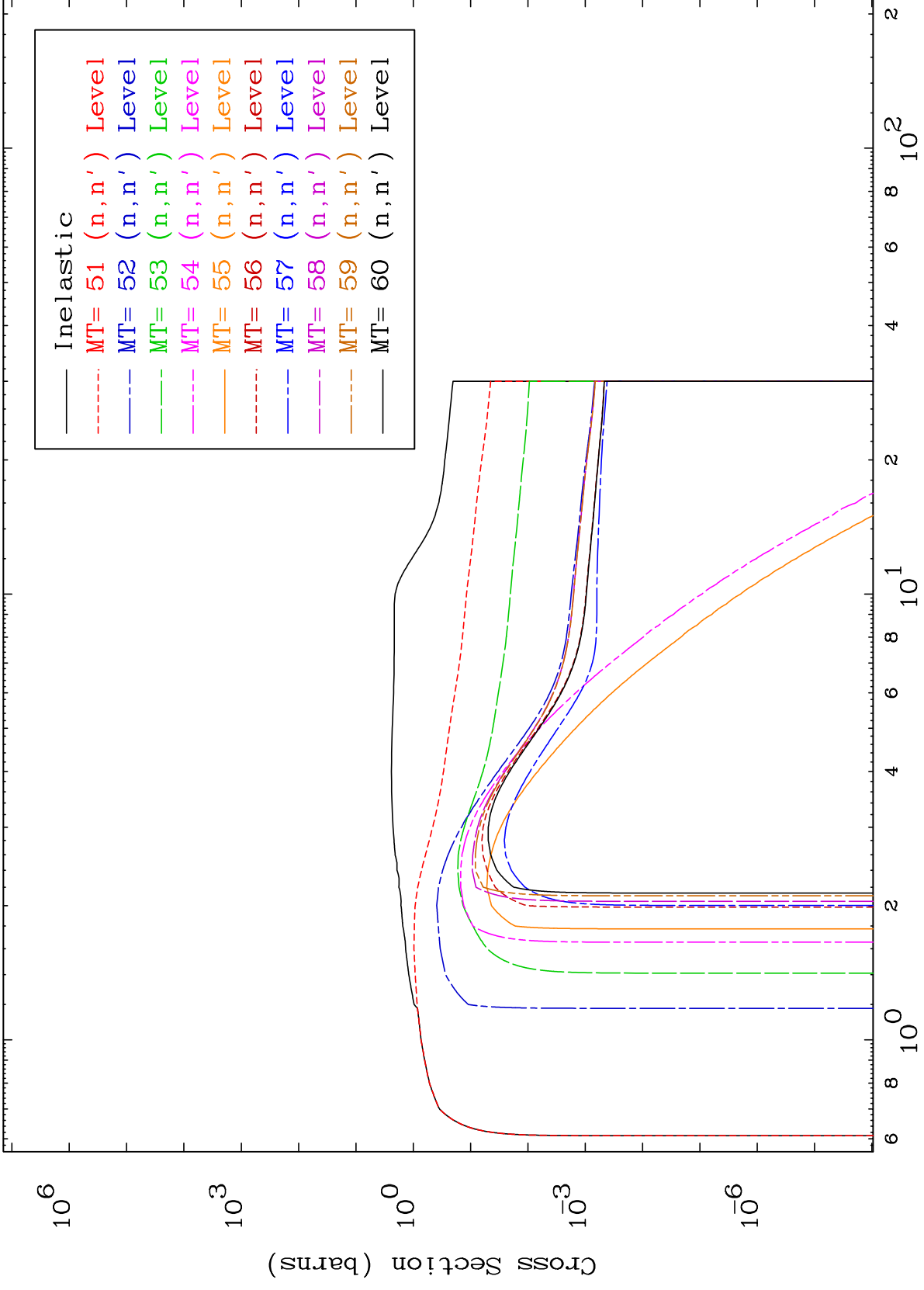


MAT 5637

(n,n') Level

56-Ba-134

293 Kelvin Cross Sections



7

Incident Energy (MeV)

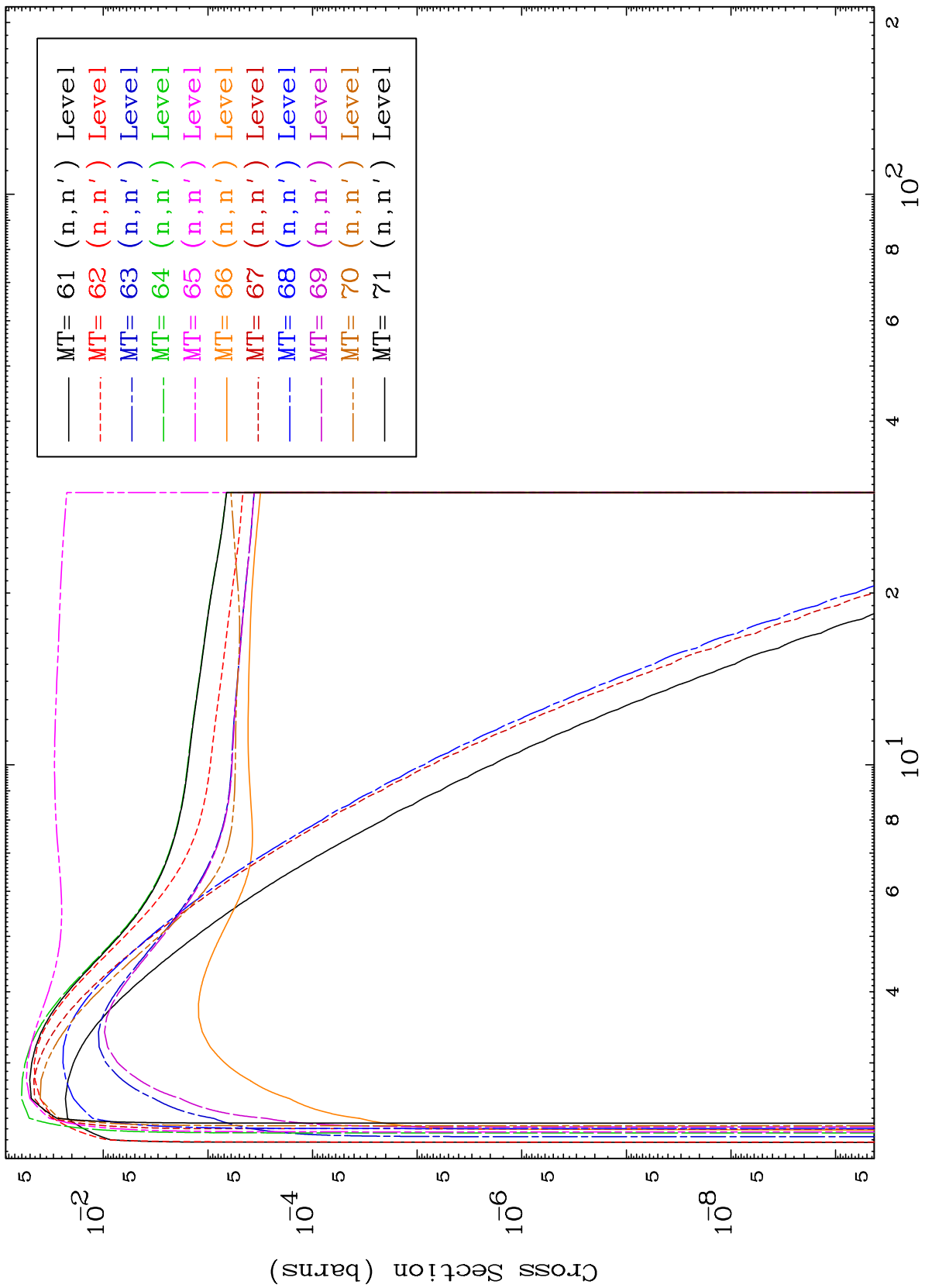
56-Ba-134

MAT 5637

(n,n') Level

56-Ba-134

293 Kelvin Cross Sections

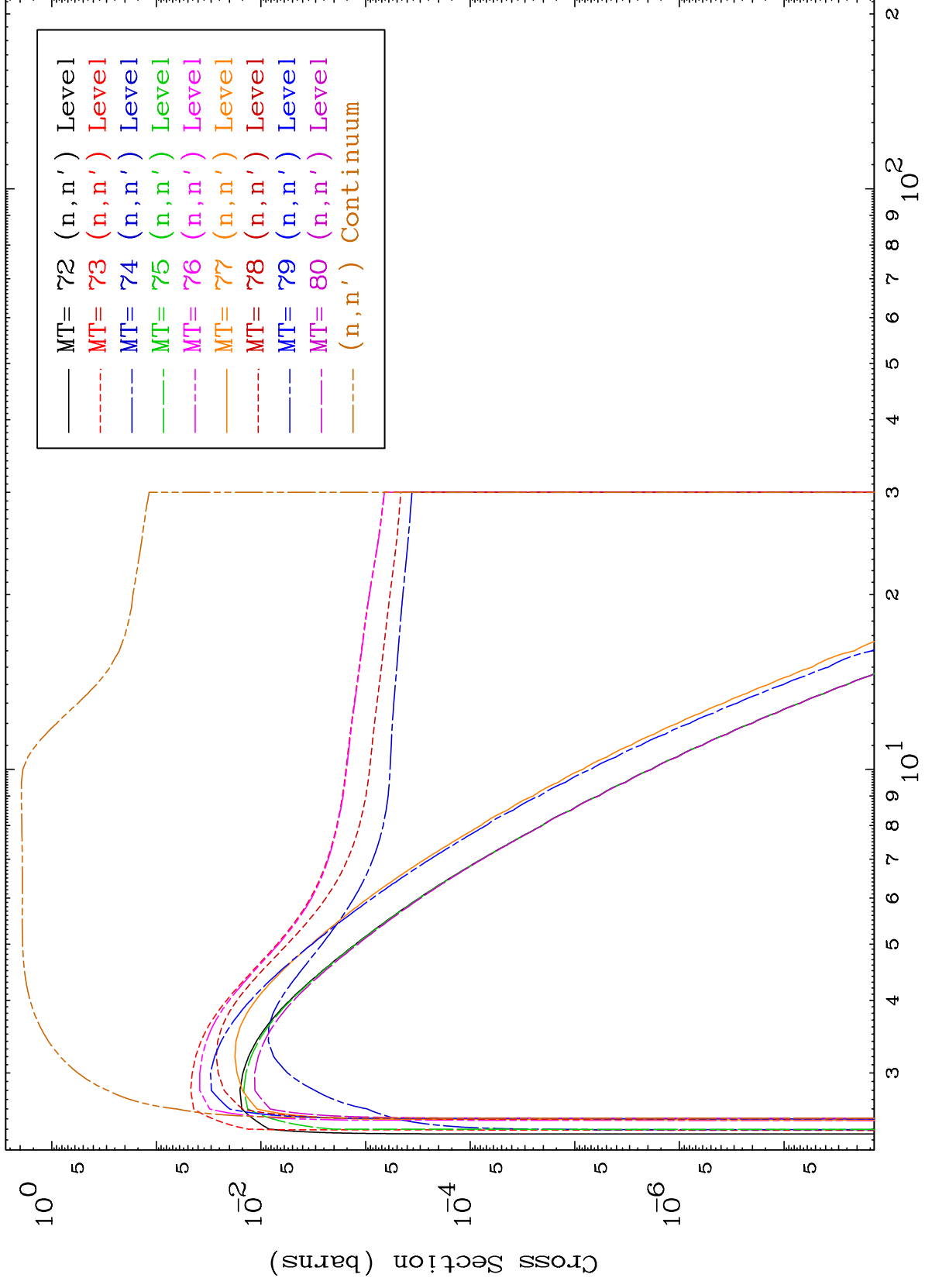


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Incident Energy (MeV)

56-Ba-134

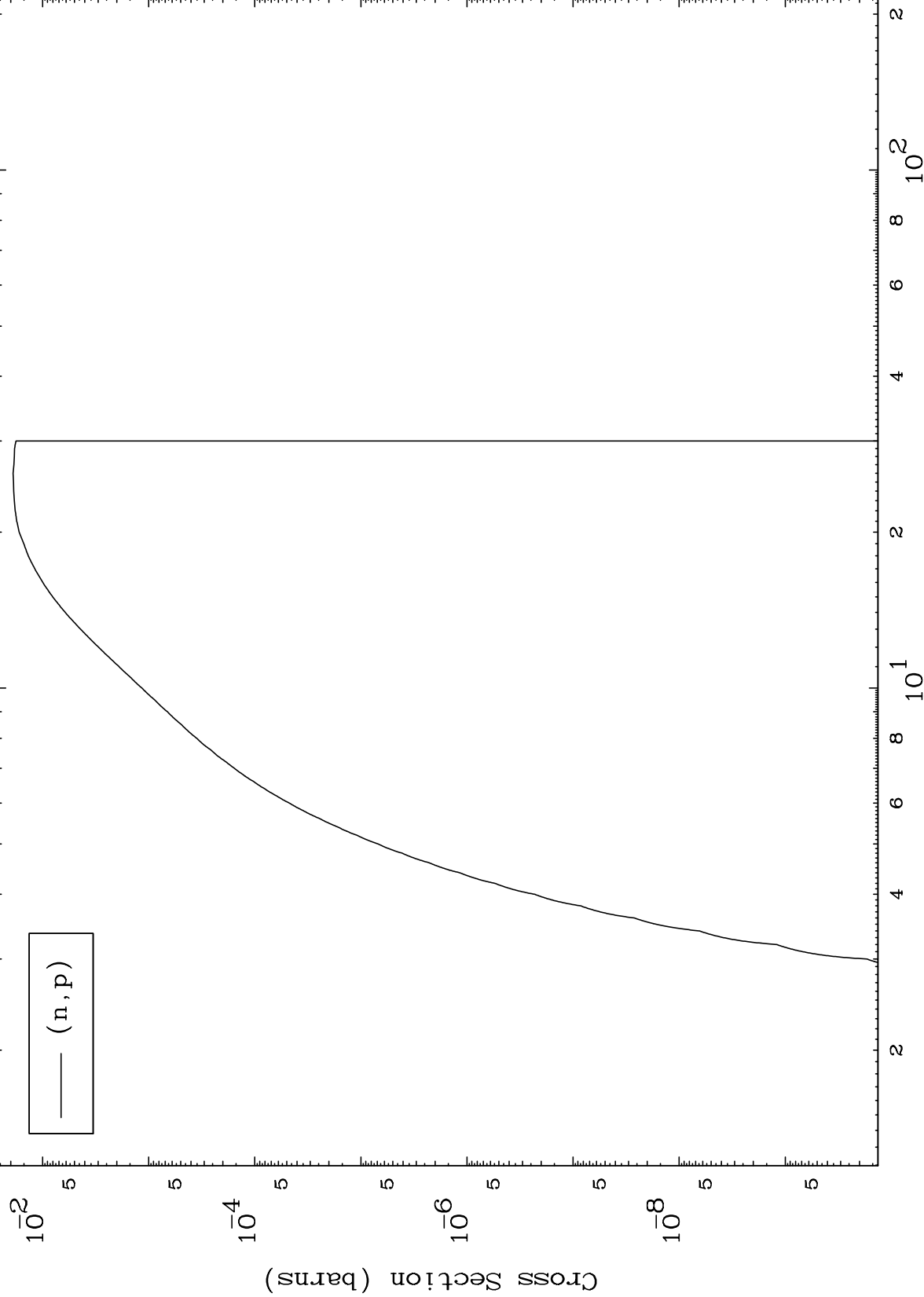
293 Kelvin Cross Sections



MAT 5637

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-134



10

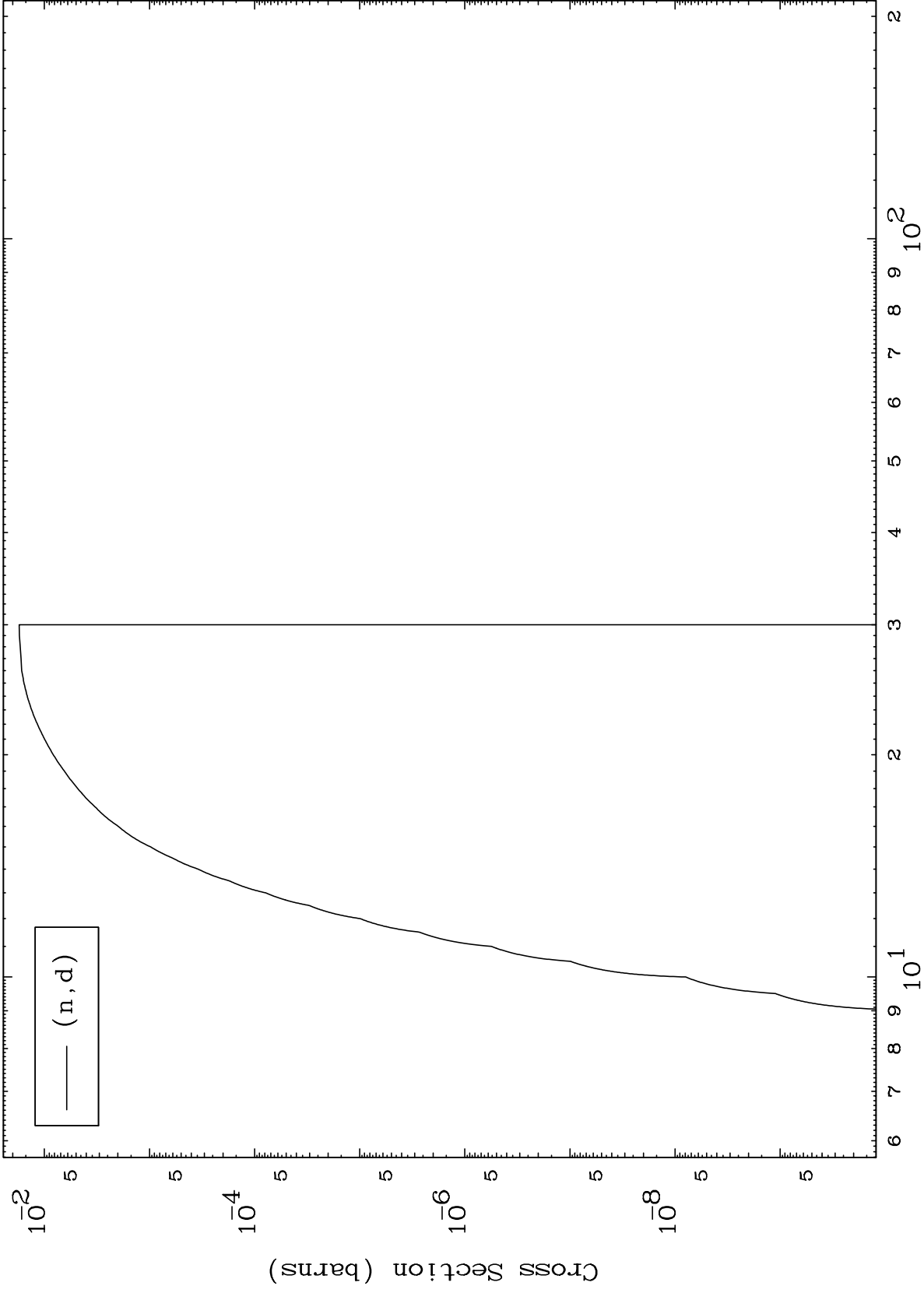
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-134



11

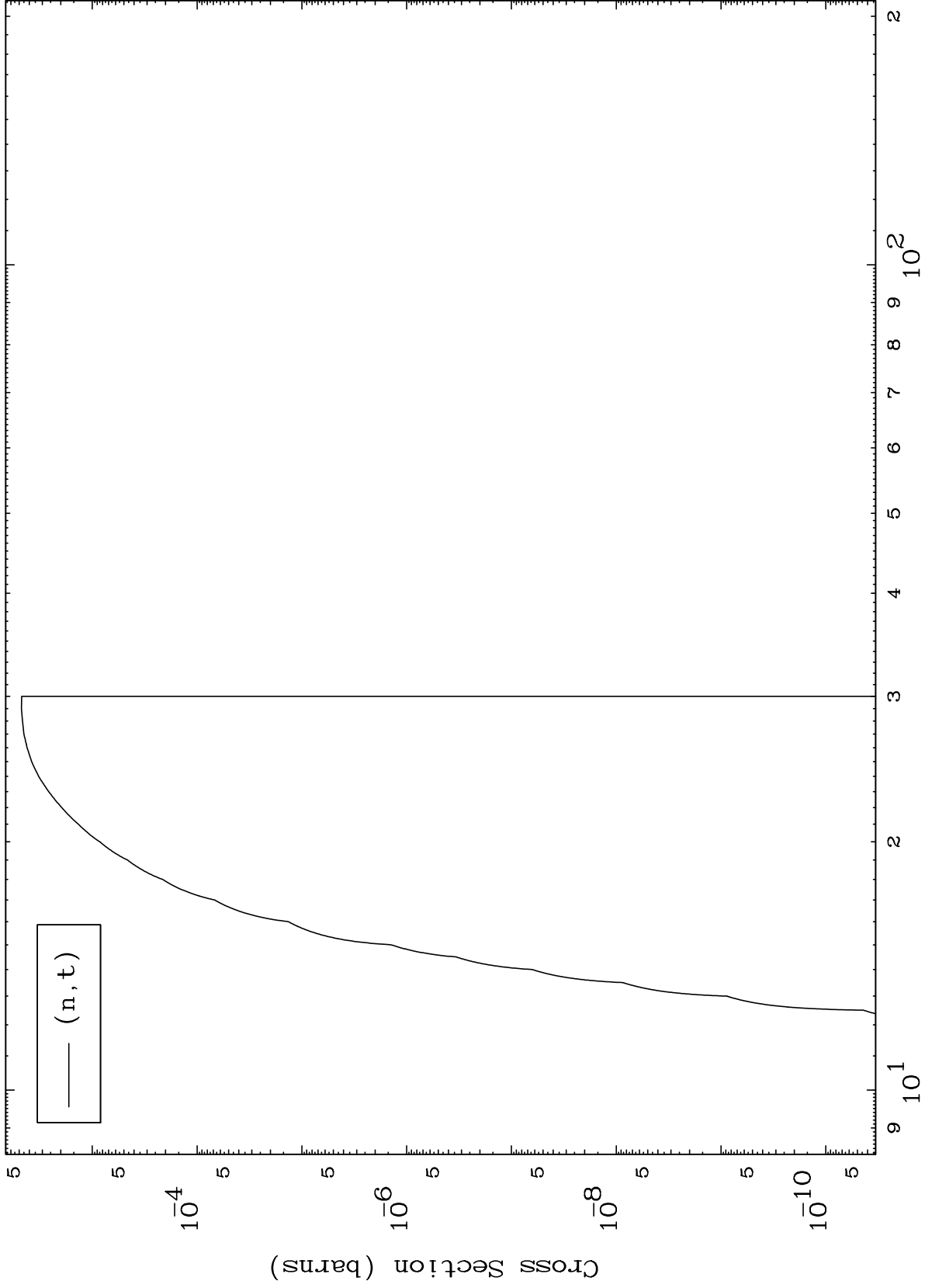
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-134



12

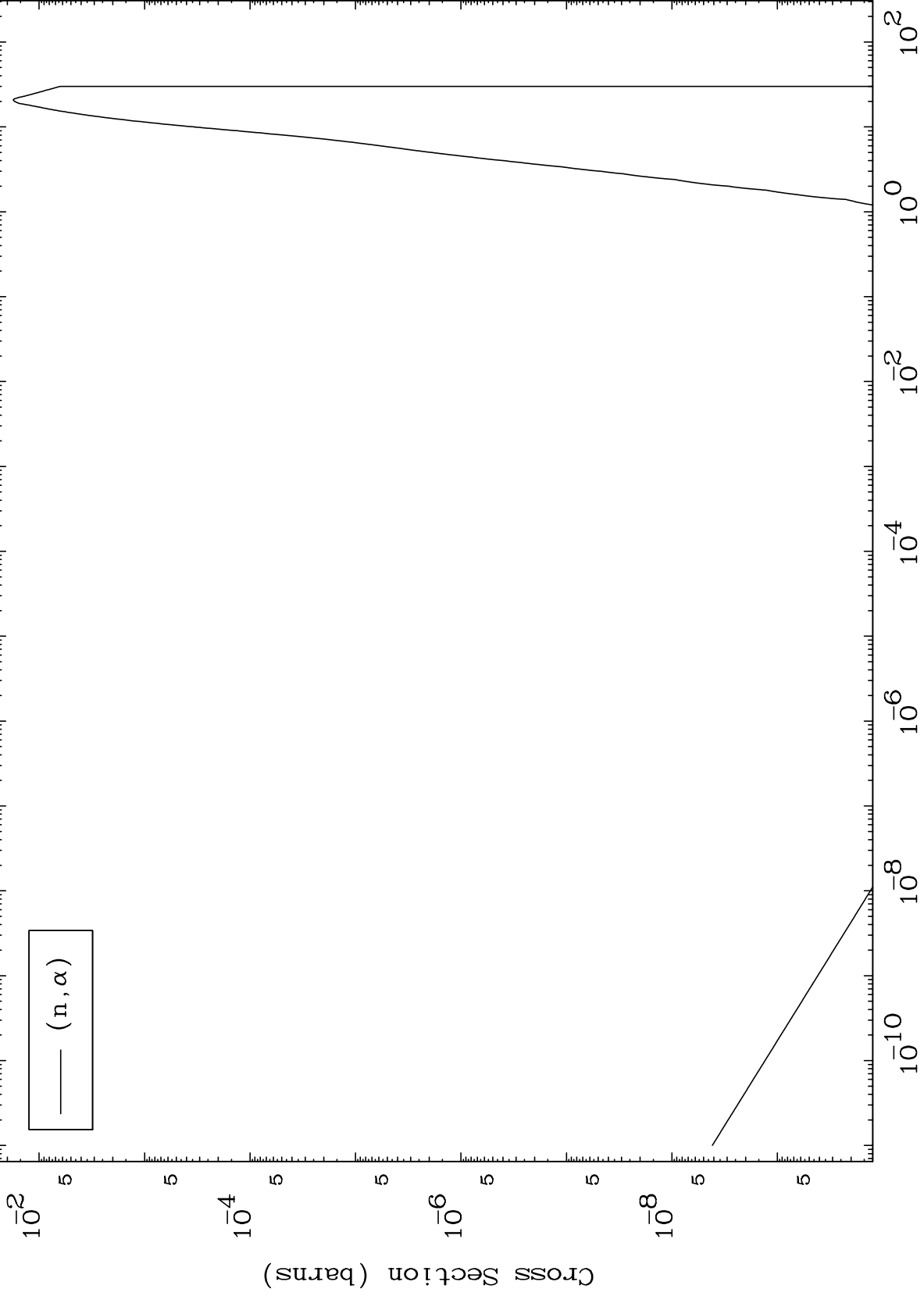
Incident Energy (MeV)

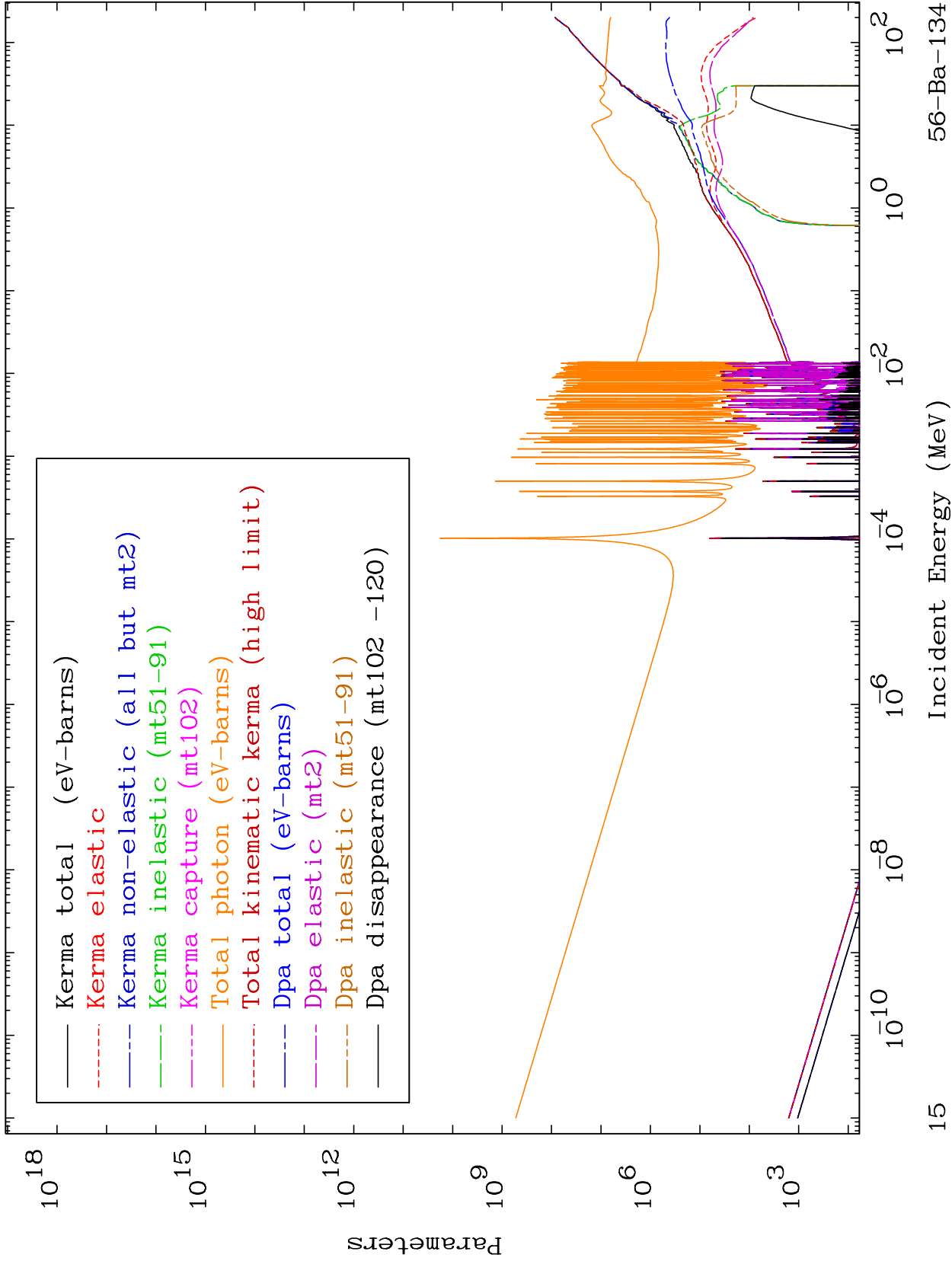
56-Ba-134

MAT 5637

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-134

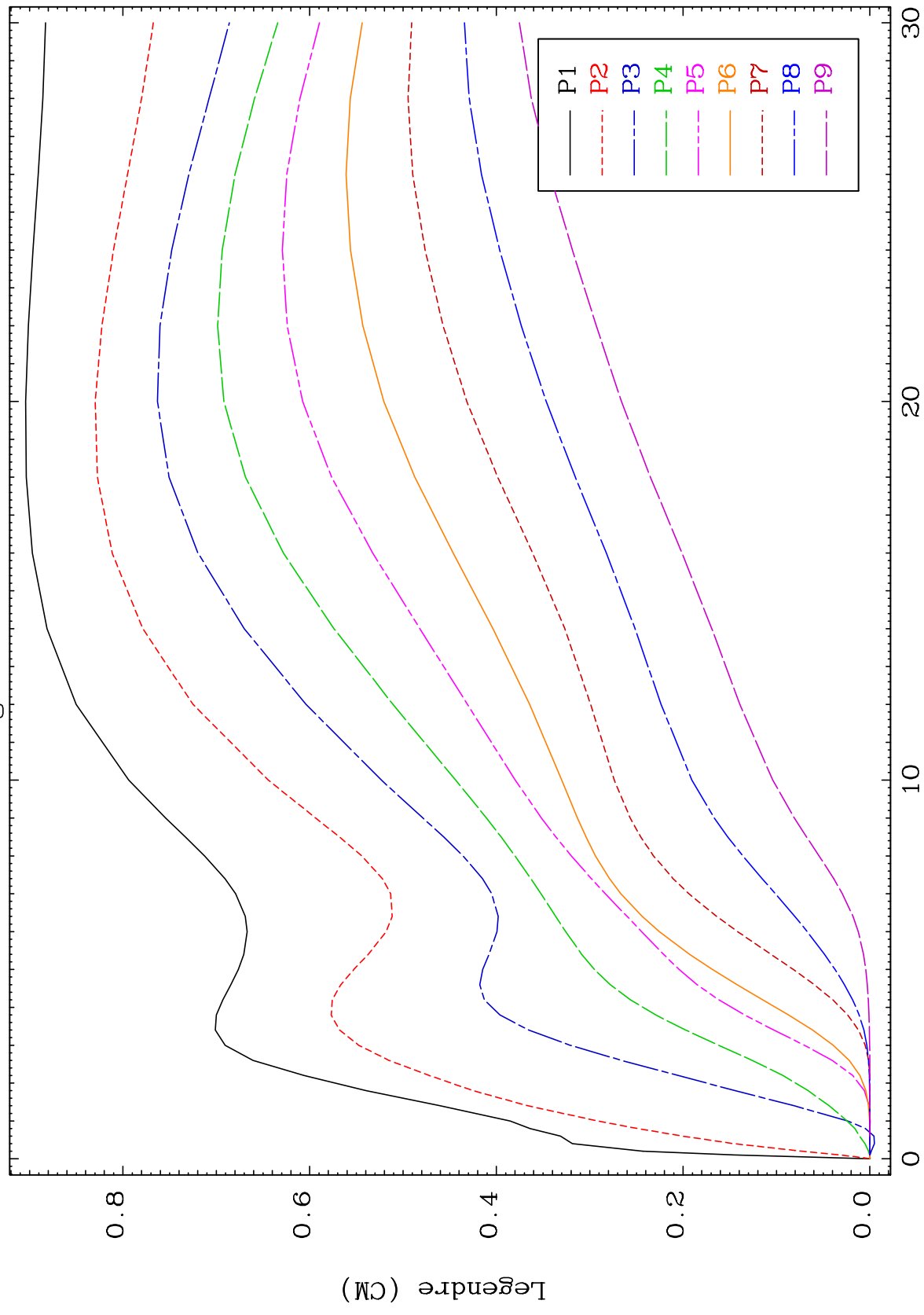




MAT 5637

Elastic Legendre Coefficients

56-Ba-134



16

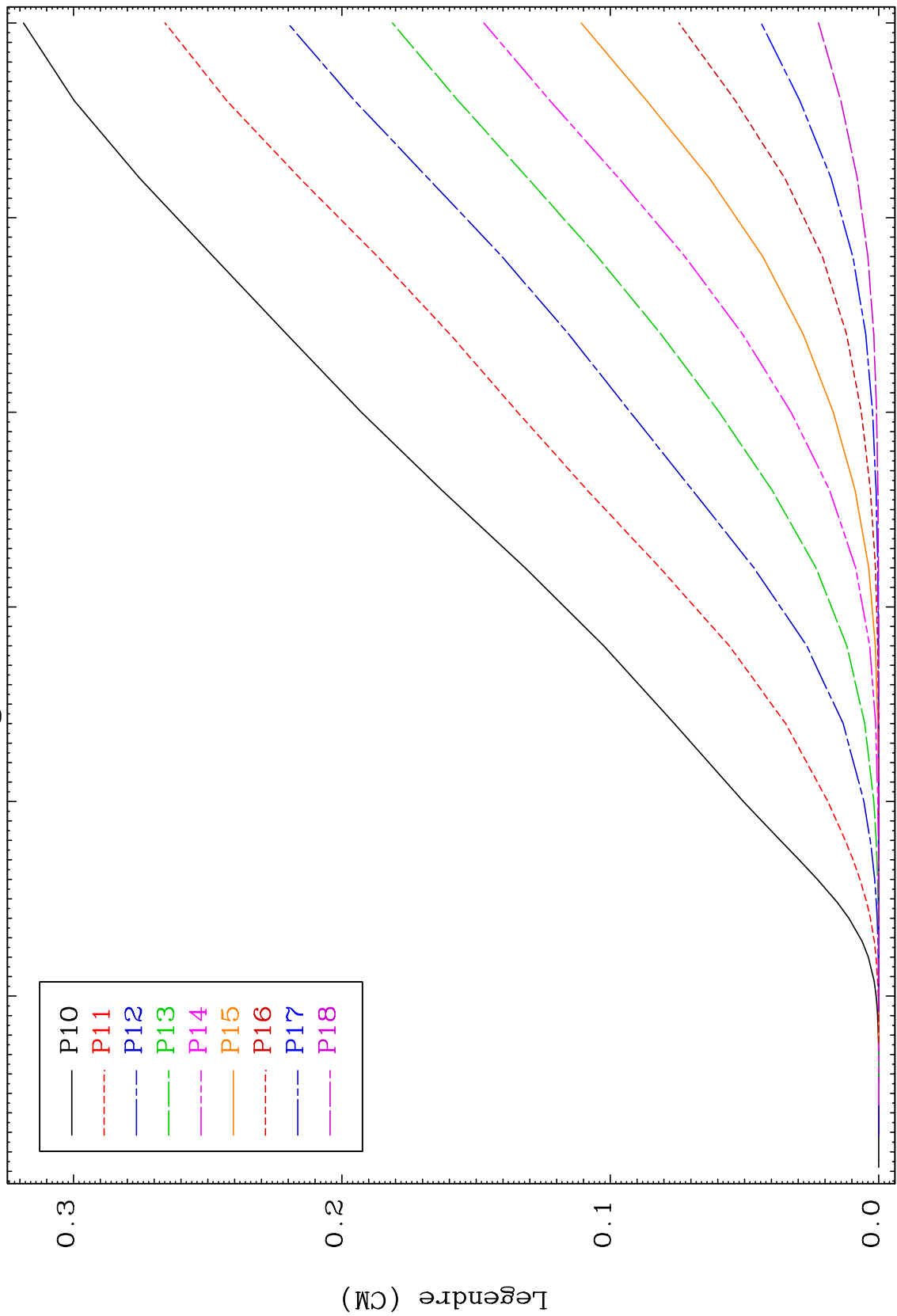
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



17

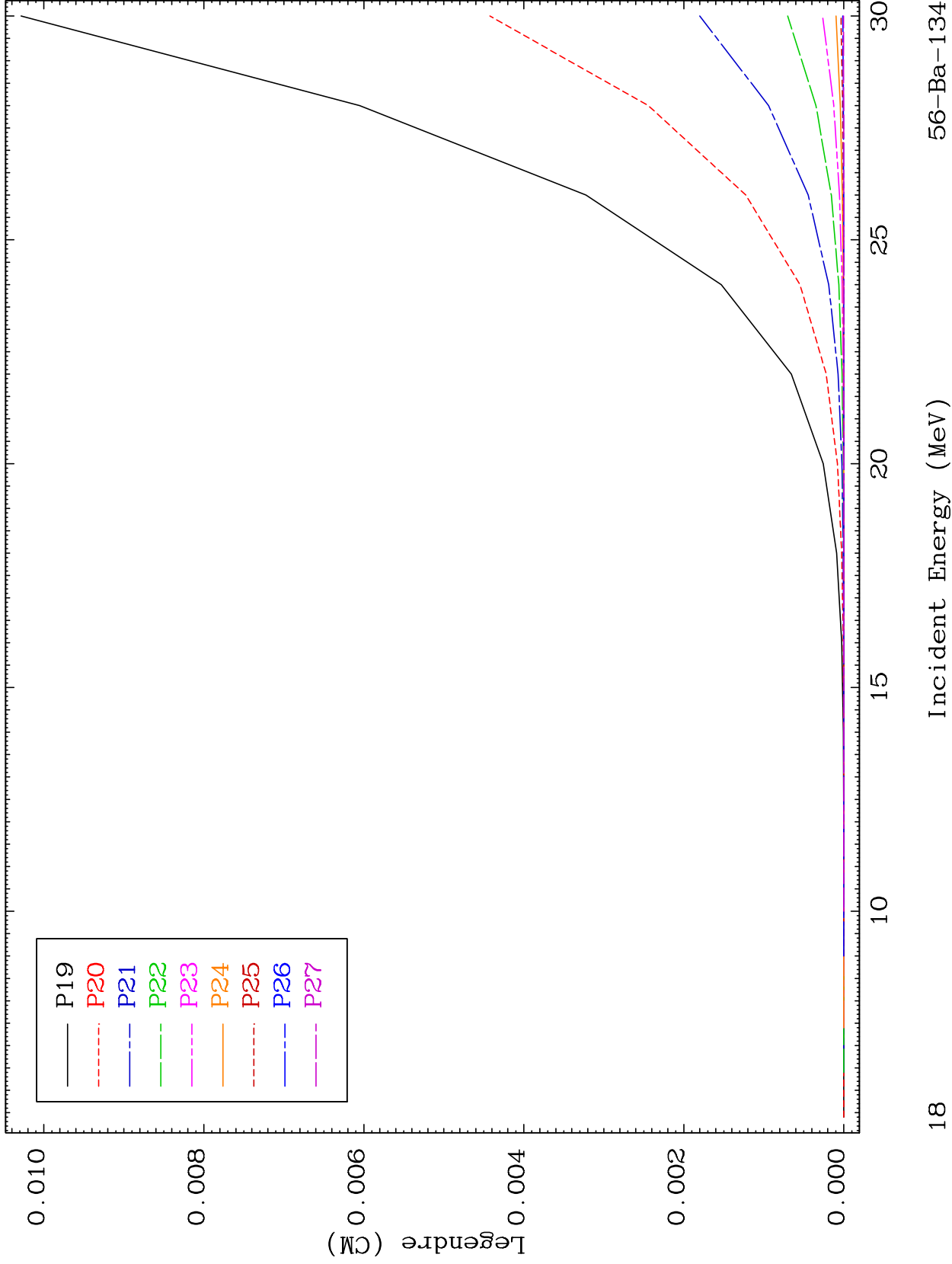
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



18

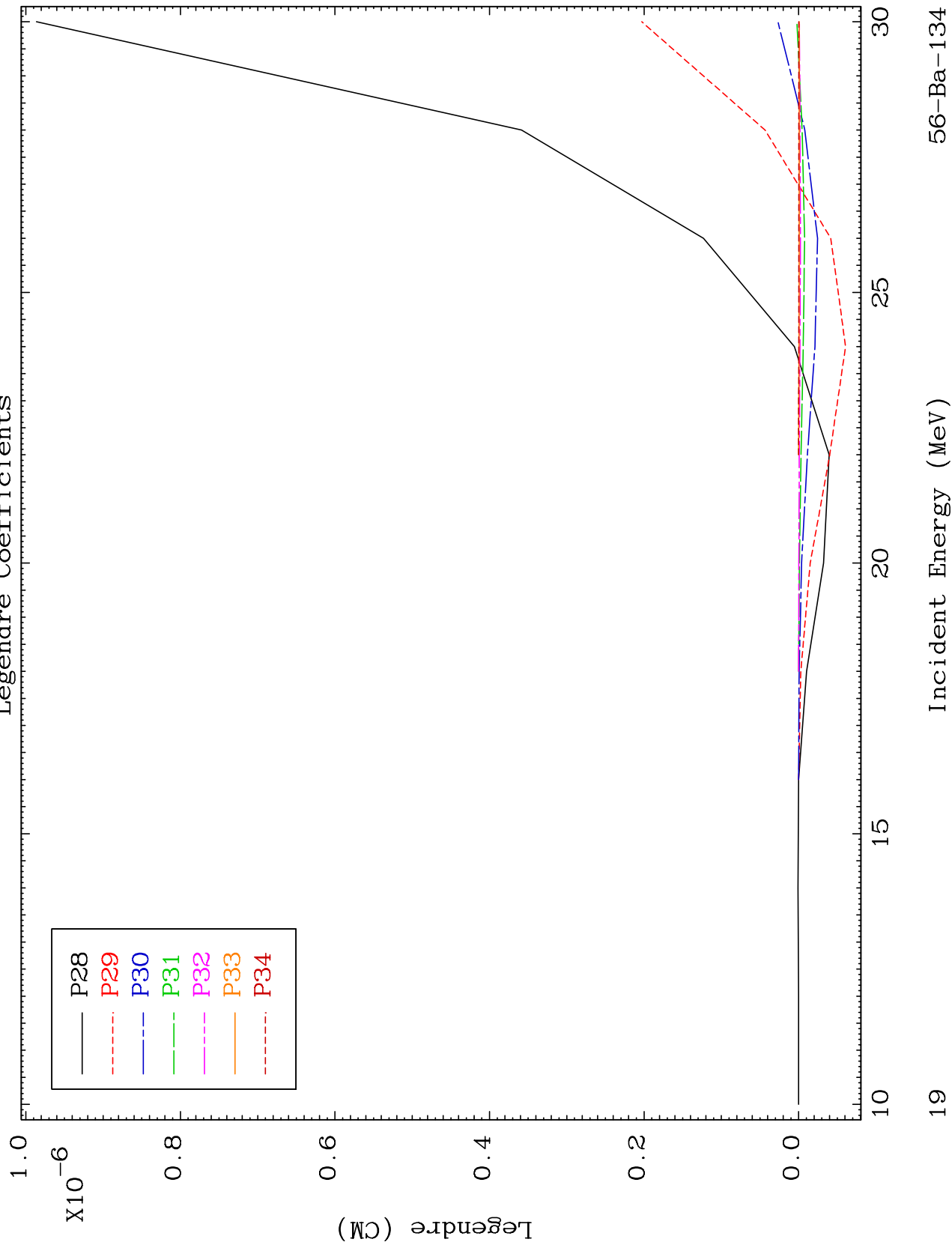
Incident Energy (MeV)

56-Ba-134

MAT 5637

Elastic Legendre Coefficients

56-Ba-134



19

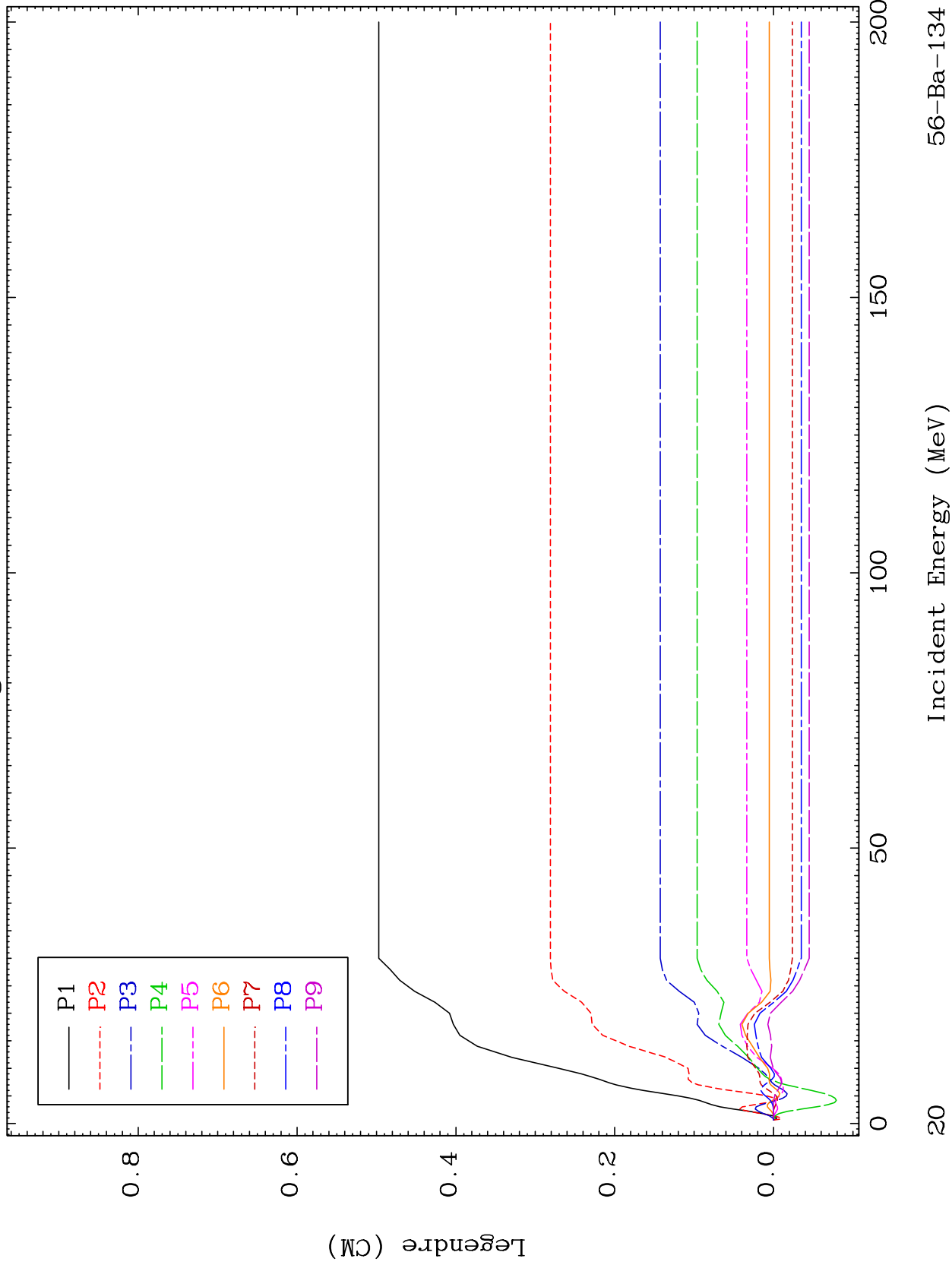
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

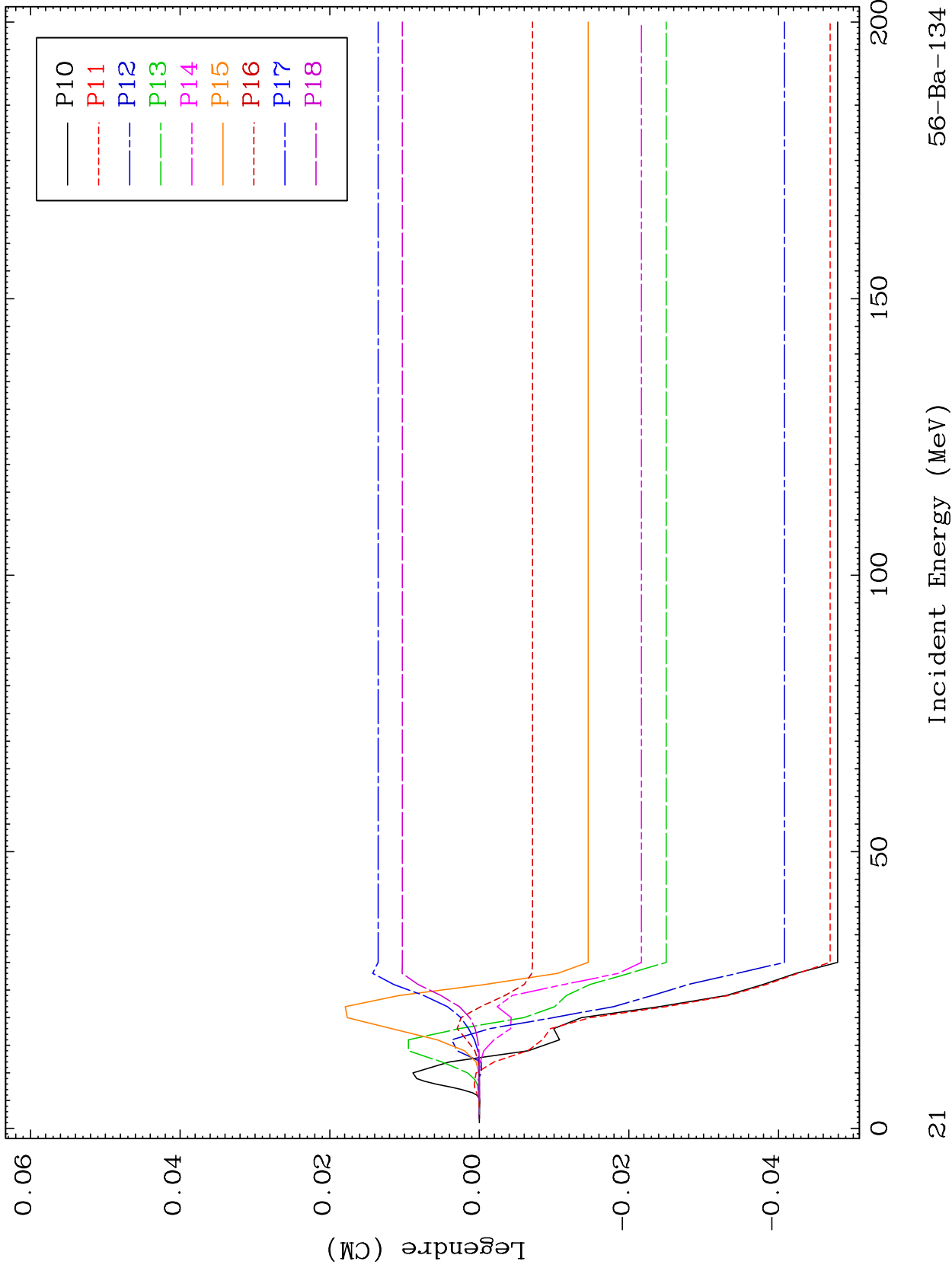
56-Ba-134



MAT 5637

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

56-Ba-134



21

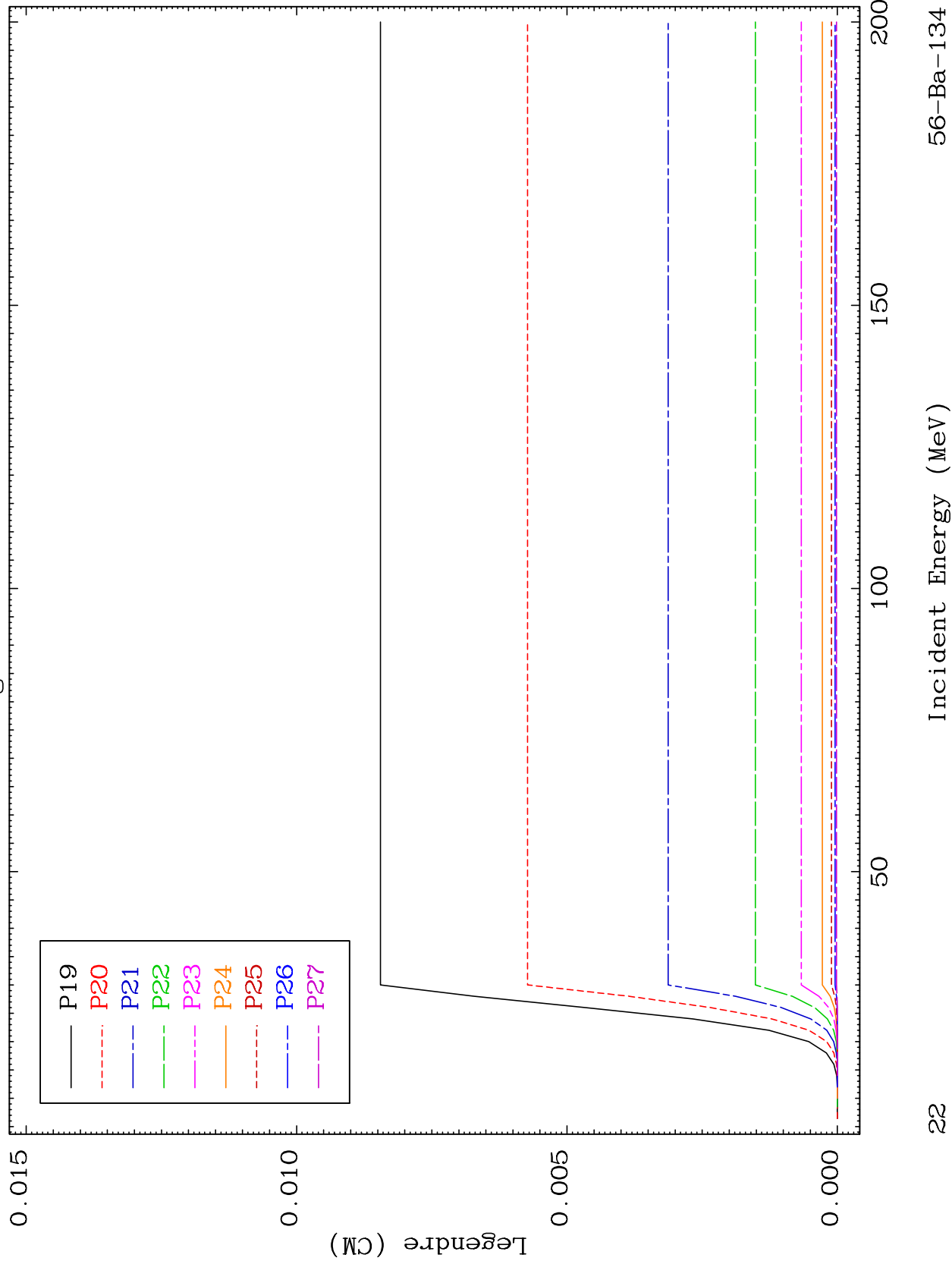
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

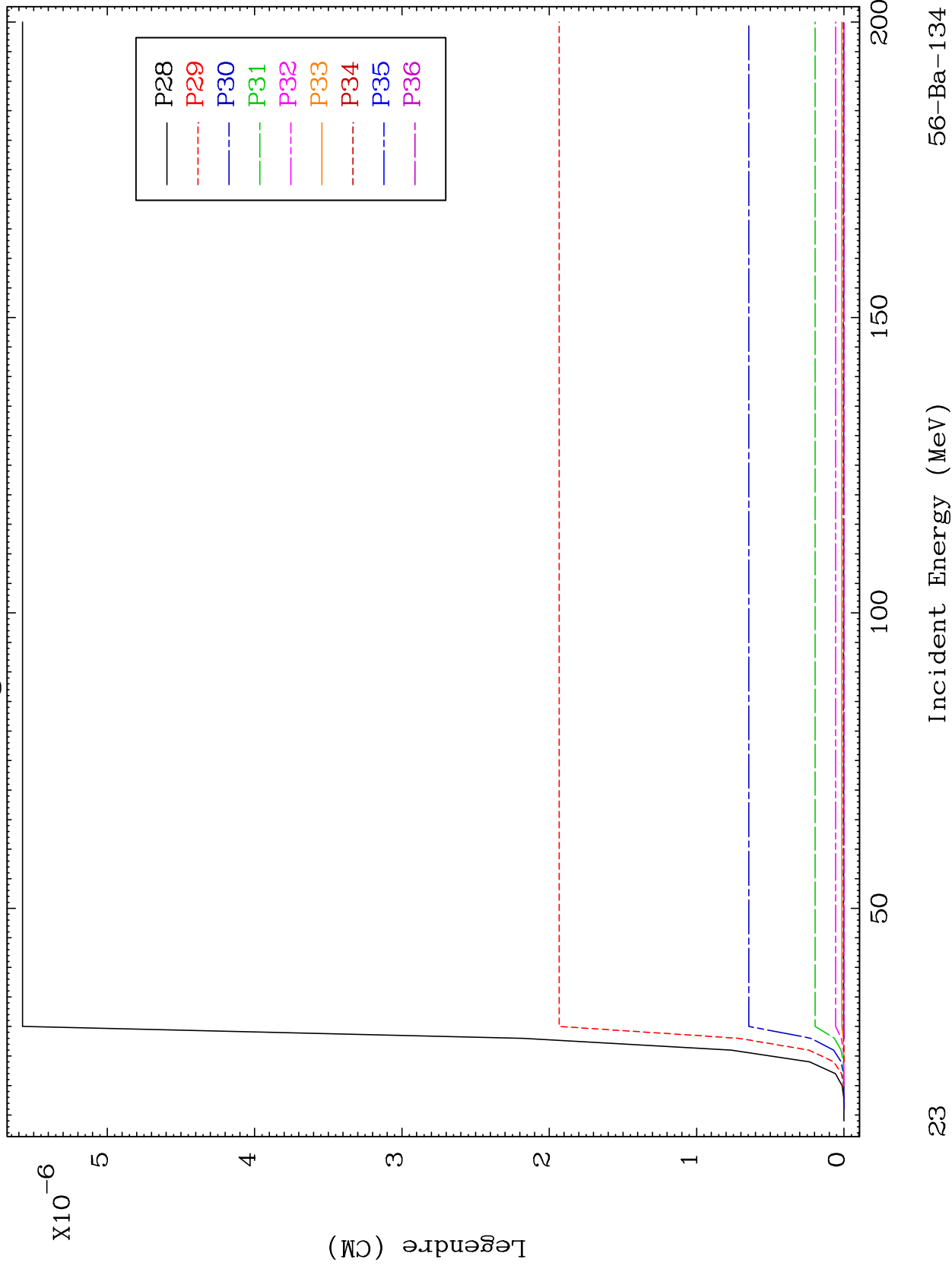
56-Ba-134



MAT 5637

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

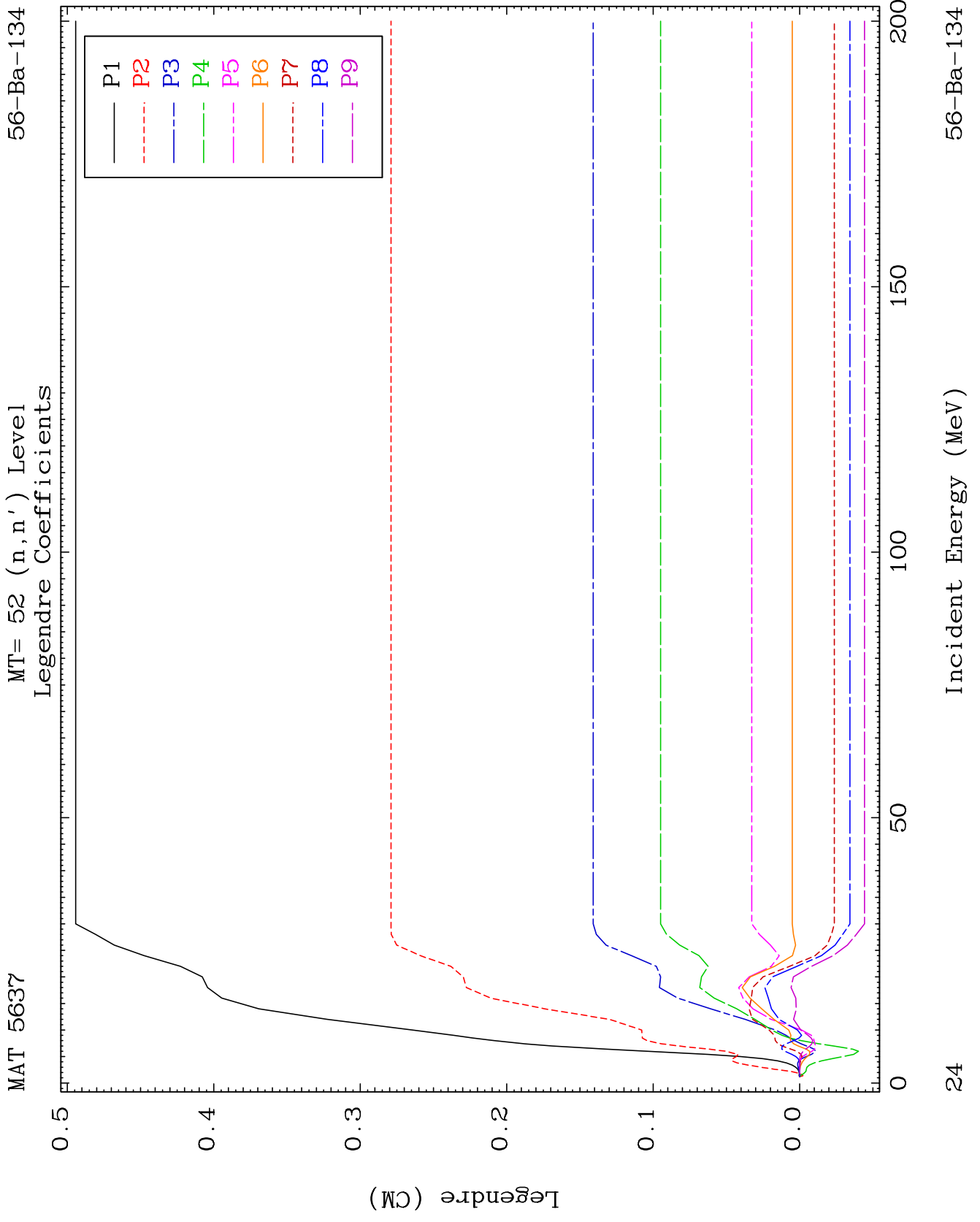
56-Ba-134



23

Incident Energy (MeV)

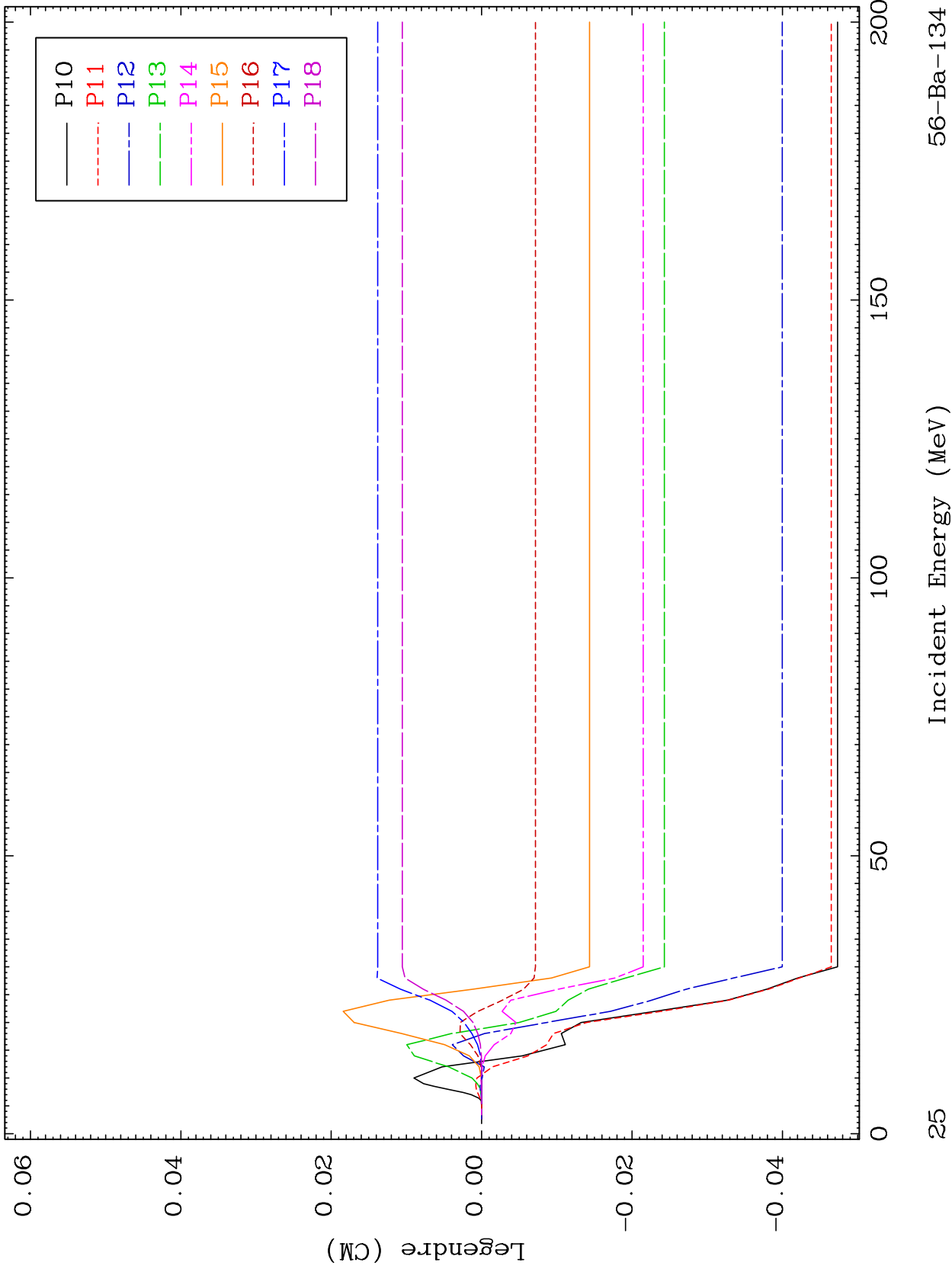
56-Ba-134



MAT 5637

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

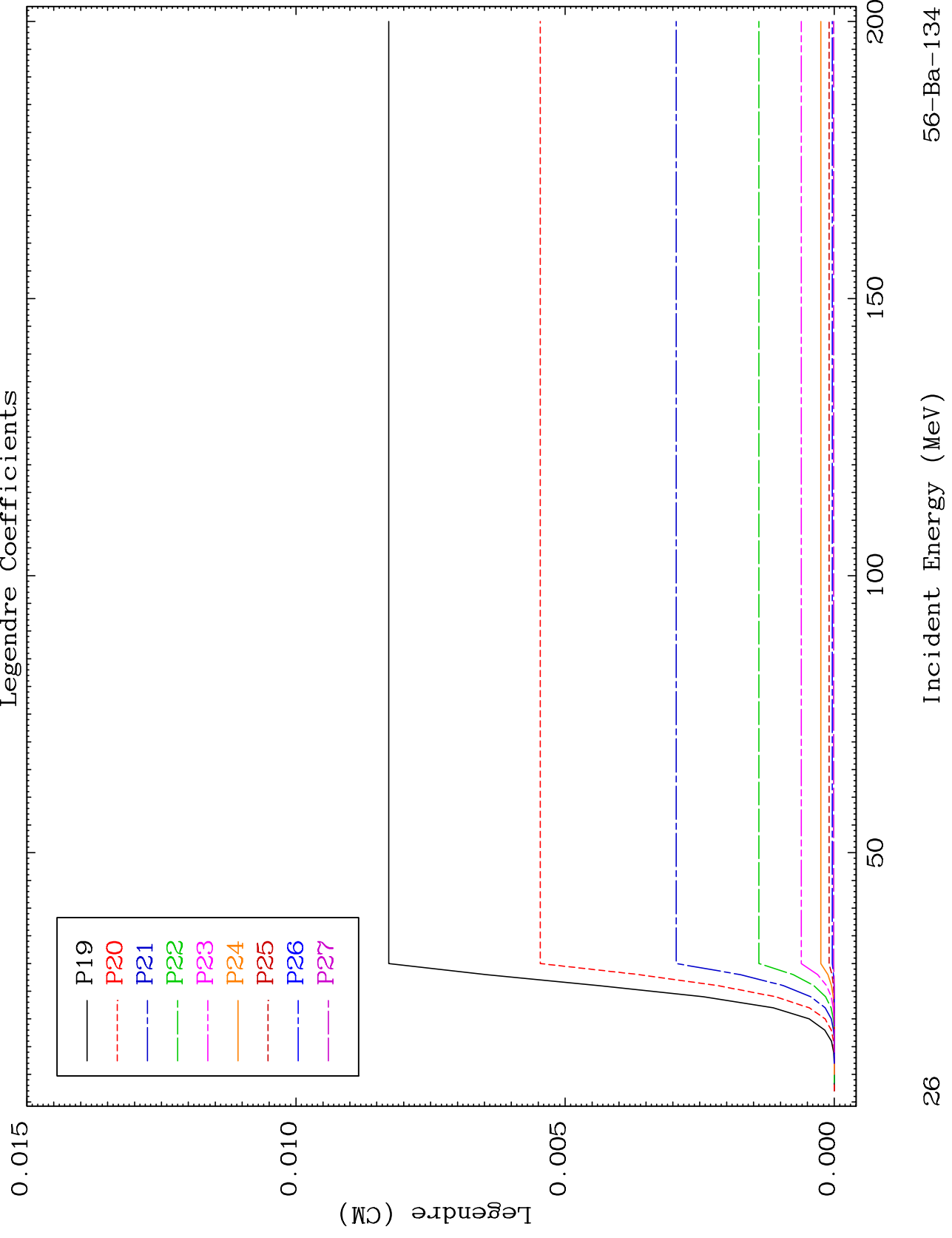
56-Ba-134



MAT 5637

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

56-Ba-134



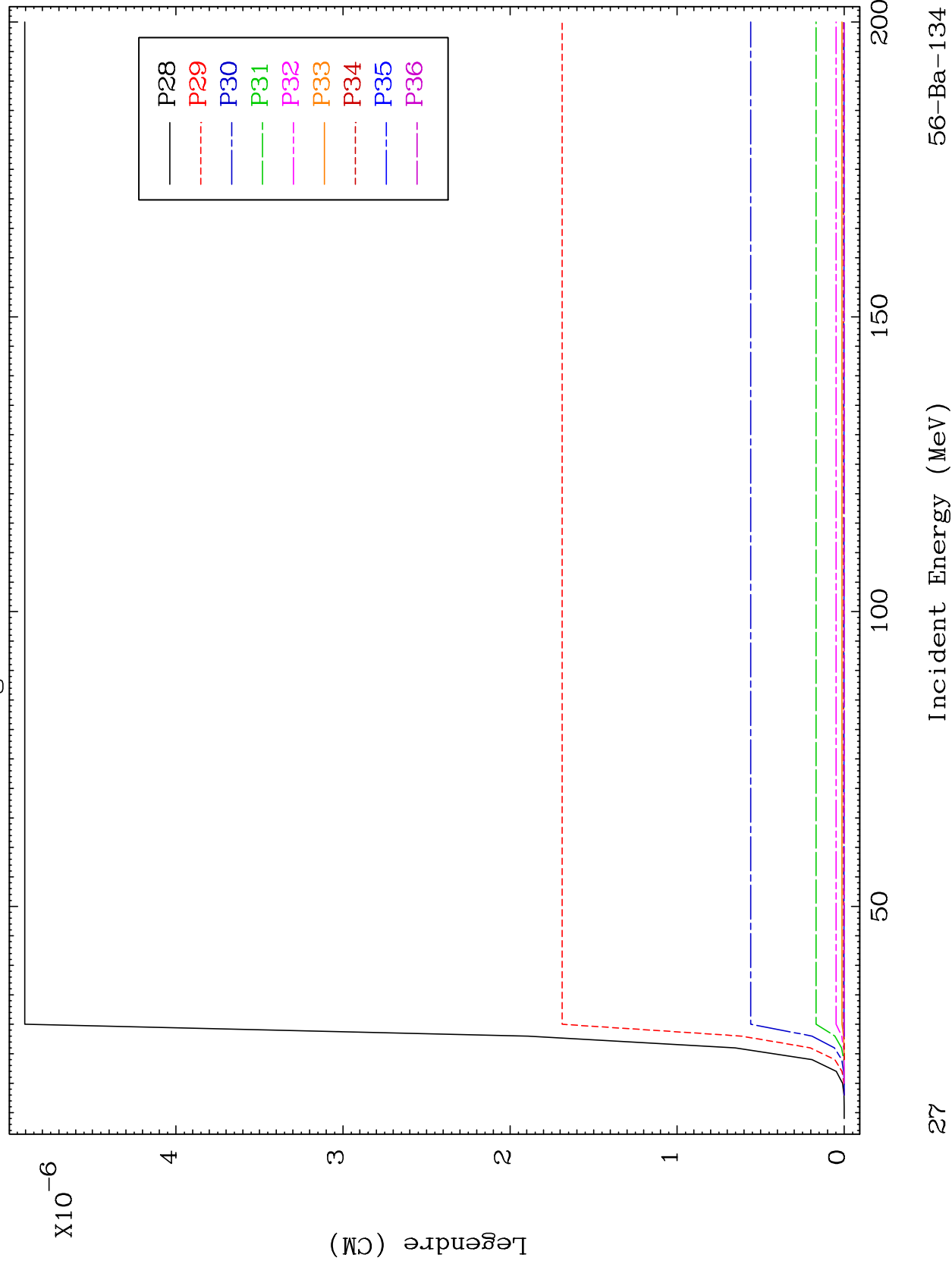
26

56-Ba-134

MAT 5637

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

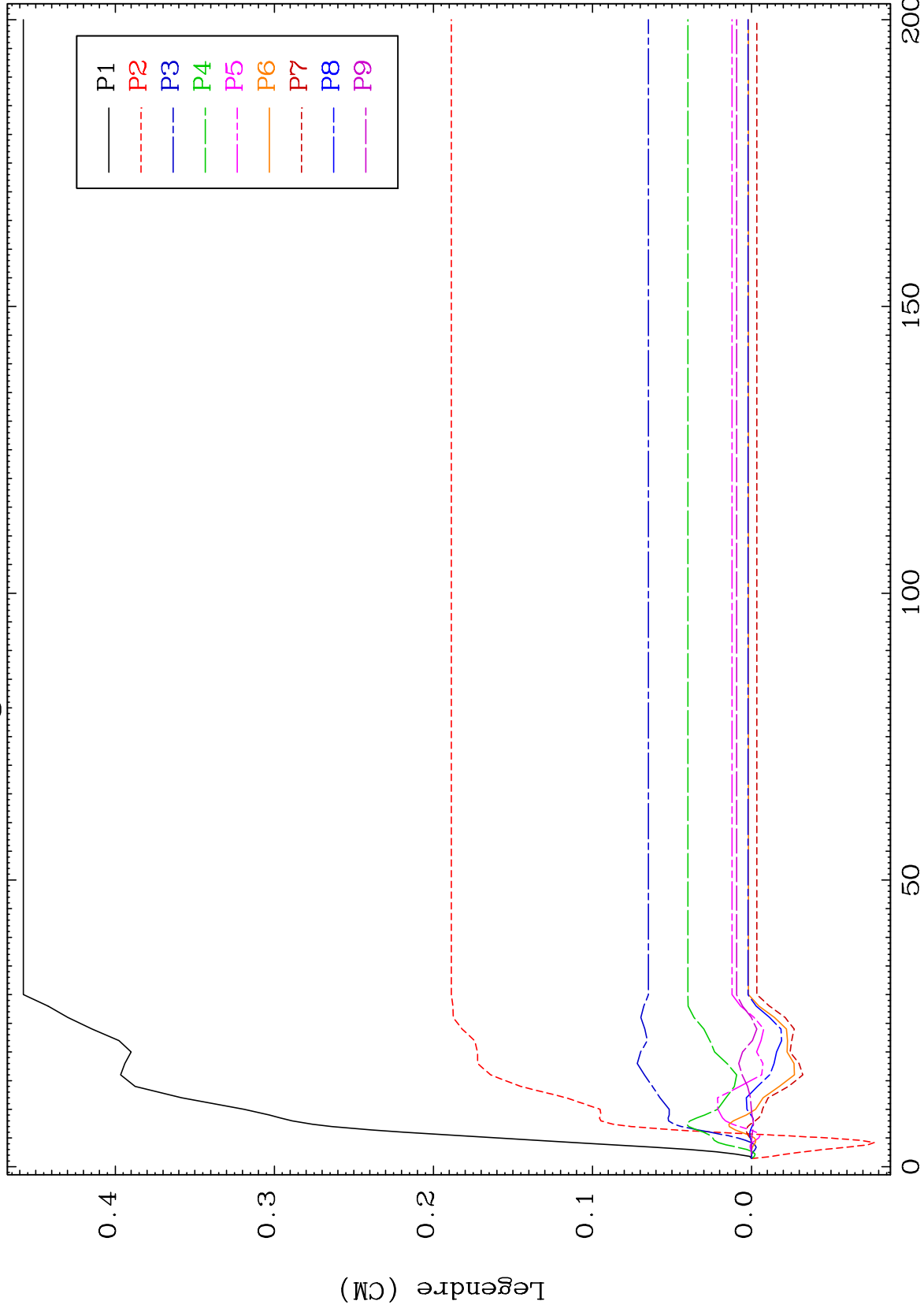
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

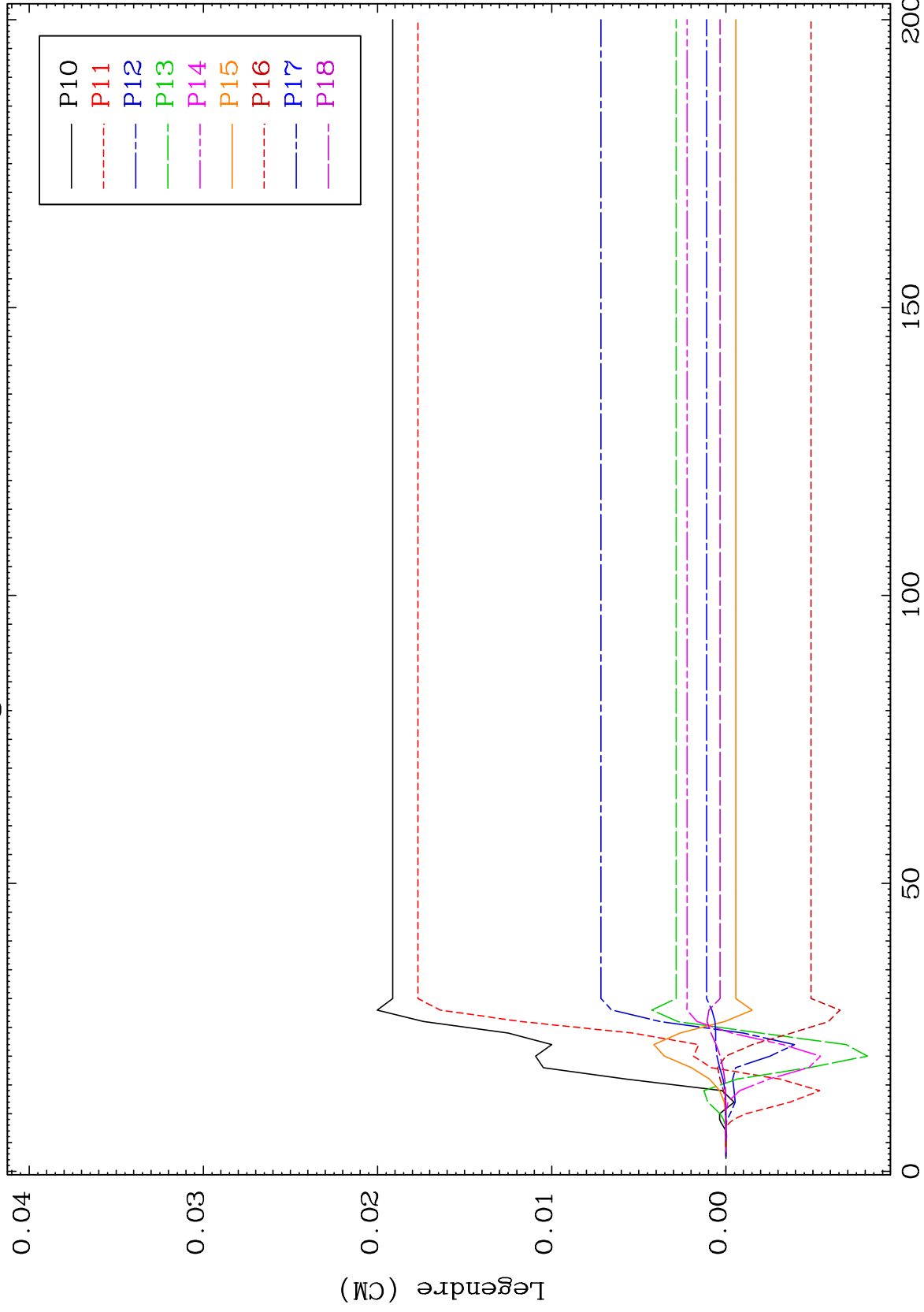
Incident Energy (MeV)

28

MAT 5637

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

56-Ba-134



29

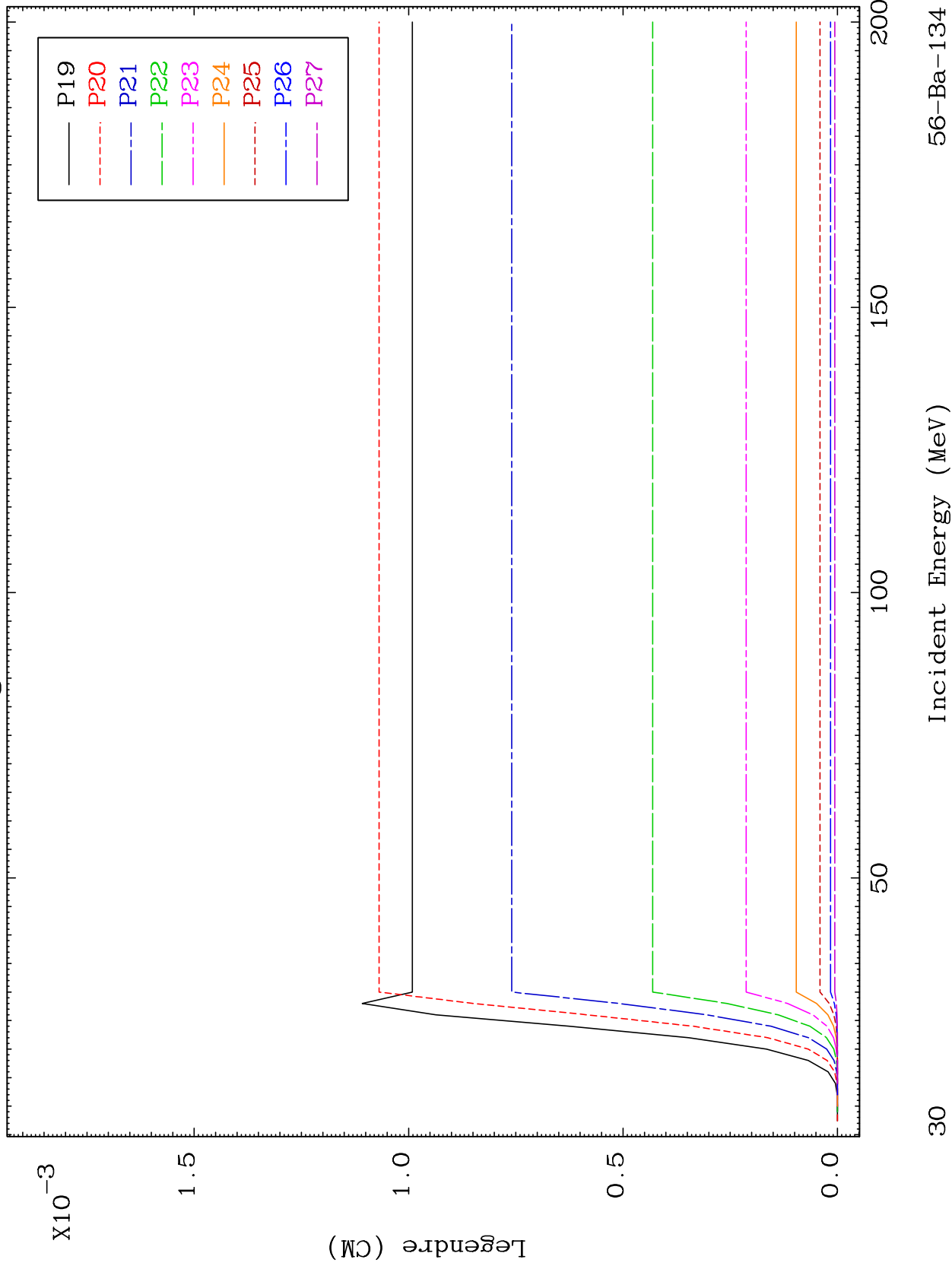
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

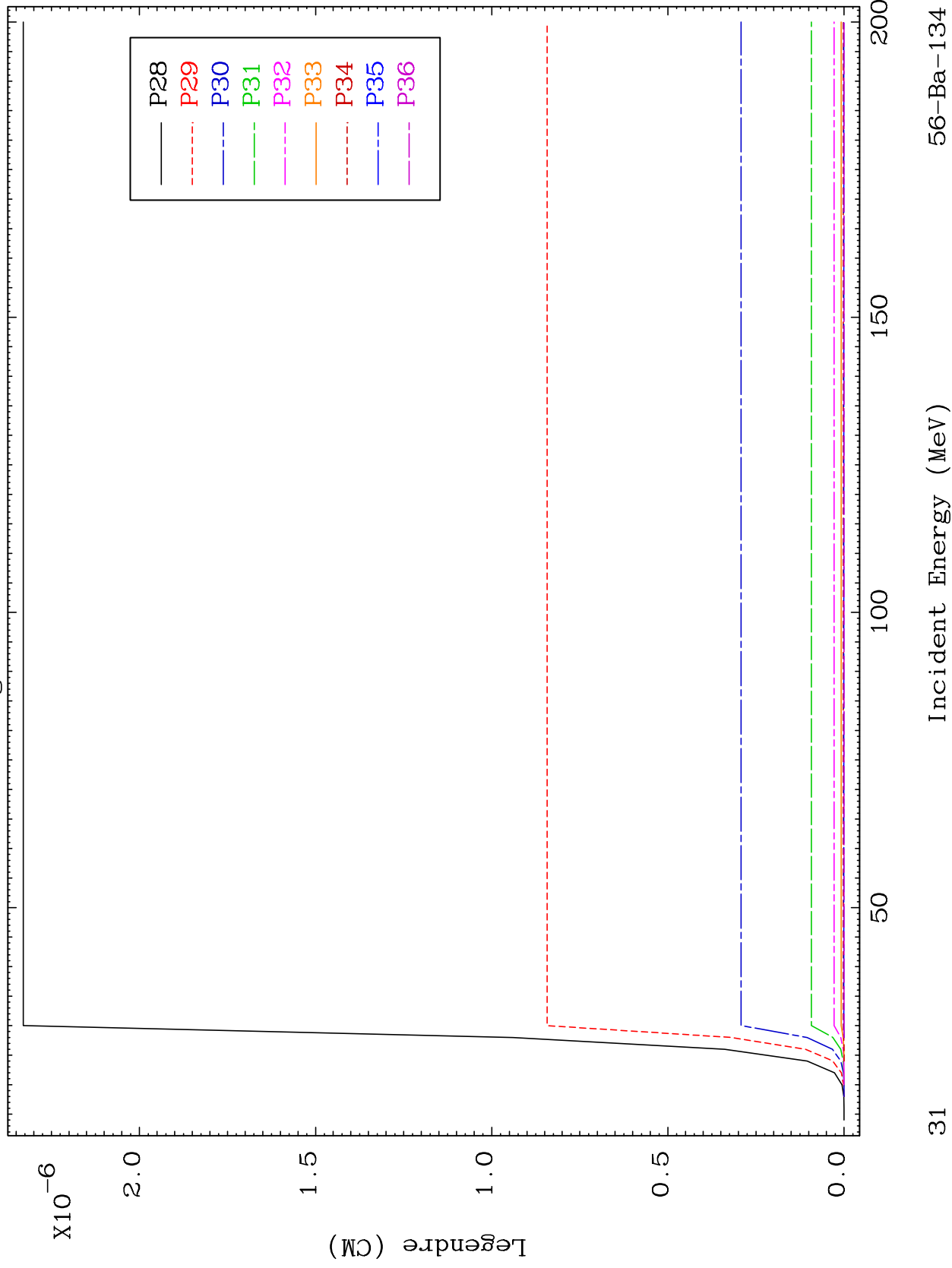
56-Ba-134



MAT 5637

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

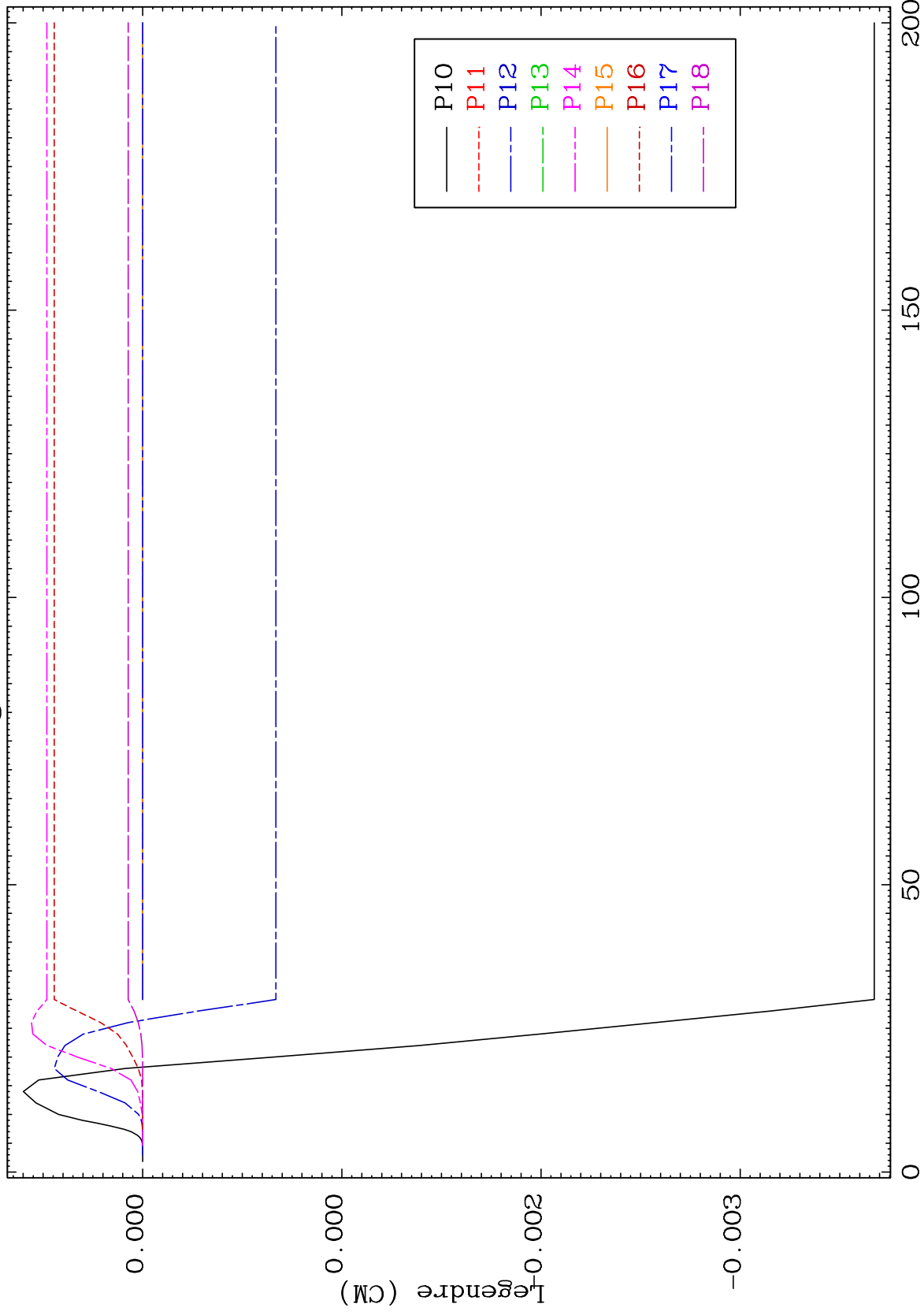
56-Ba-134



MAT 5637

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

56-Ba-134



33

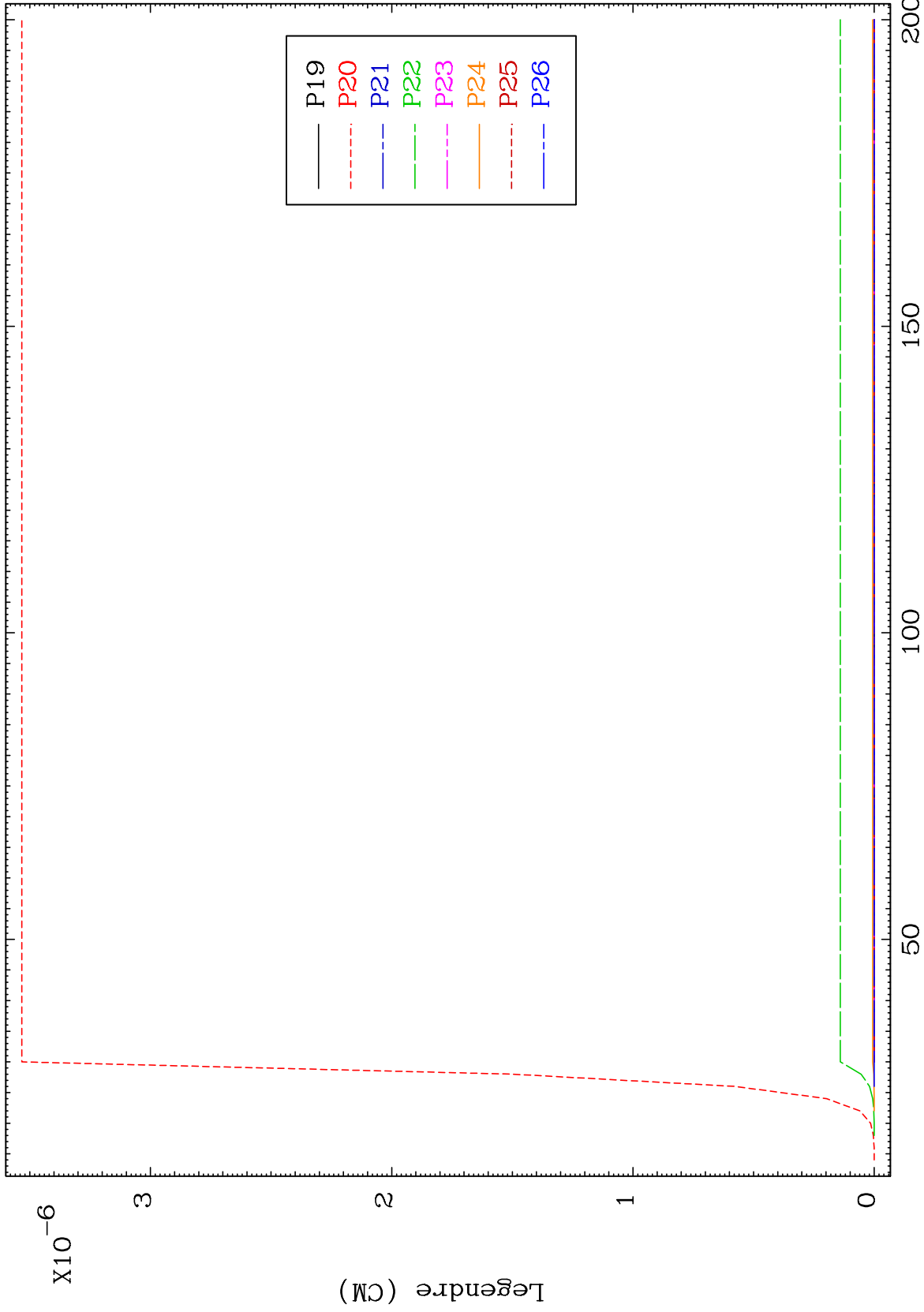
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

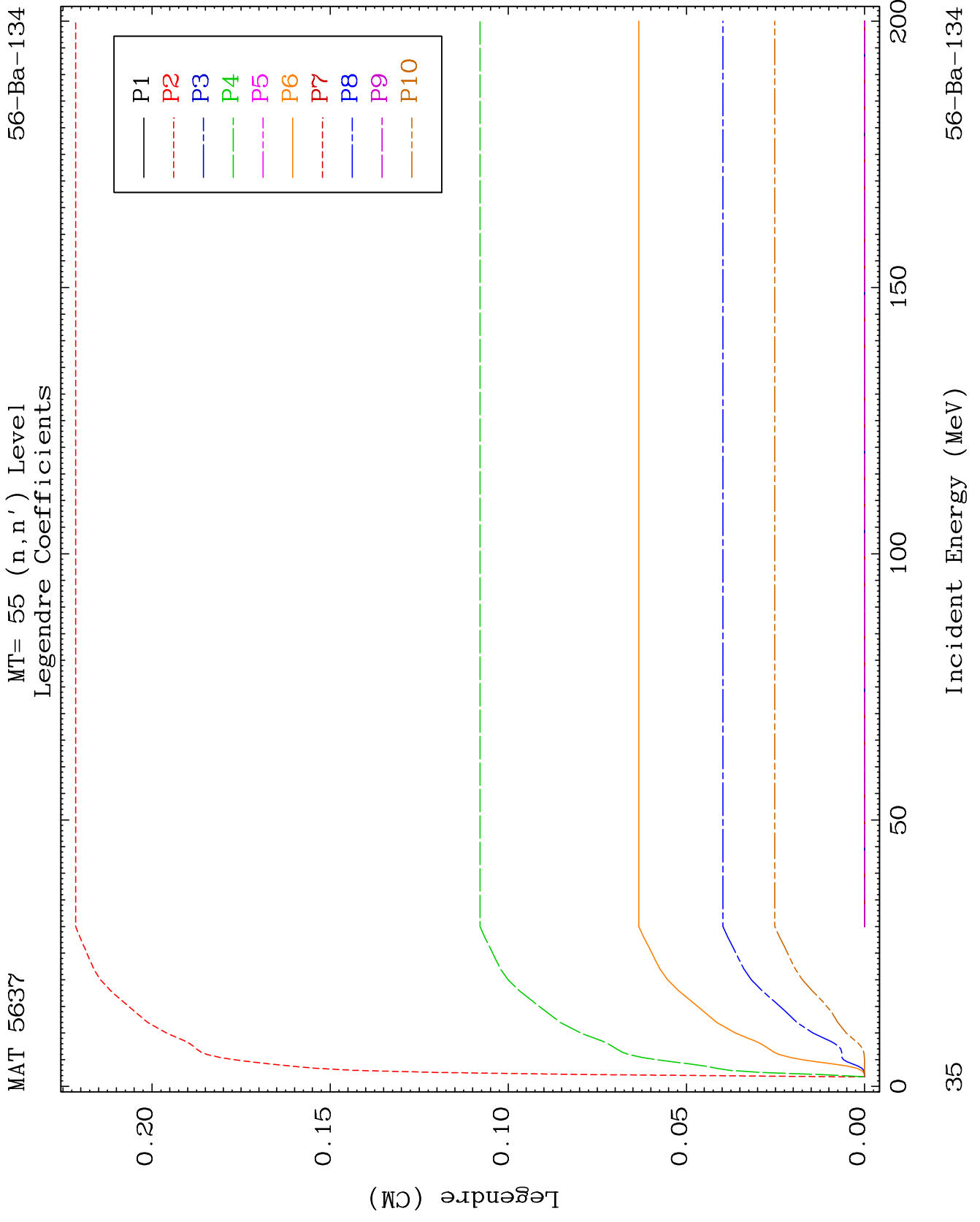
56-Ba-134



34

Incident Energy (MeV)

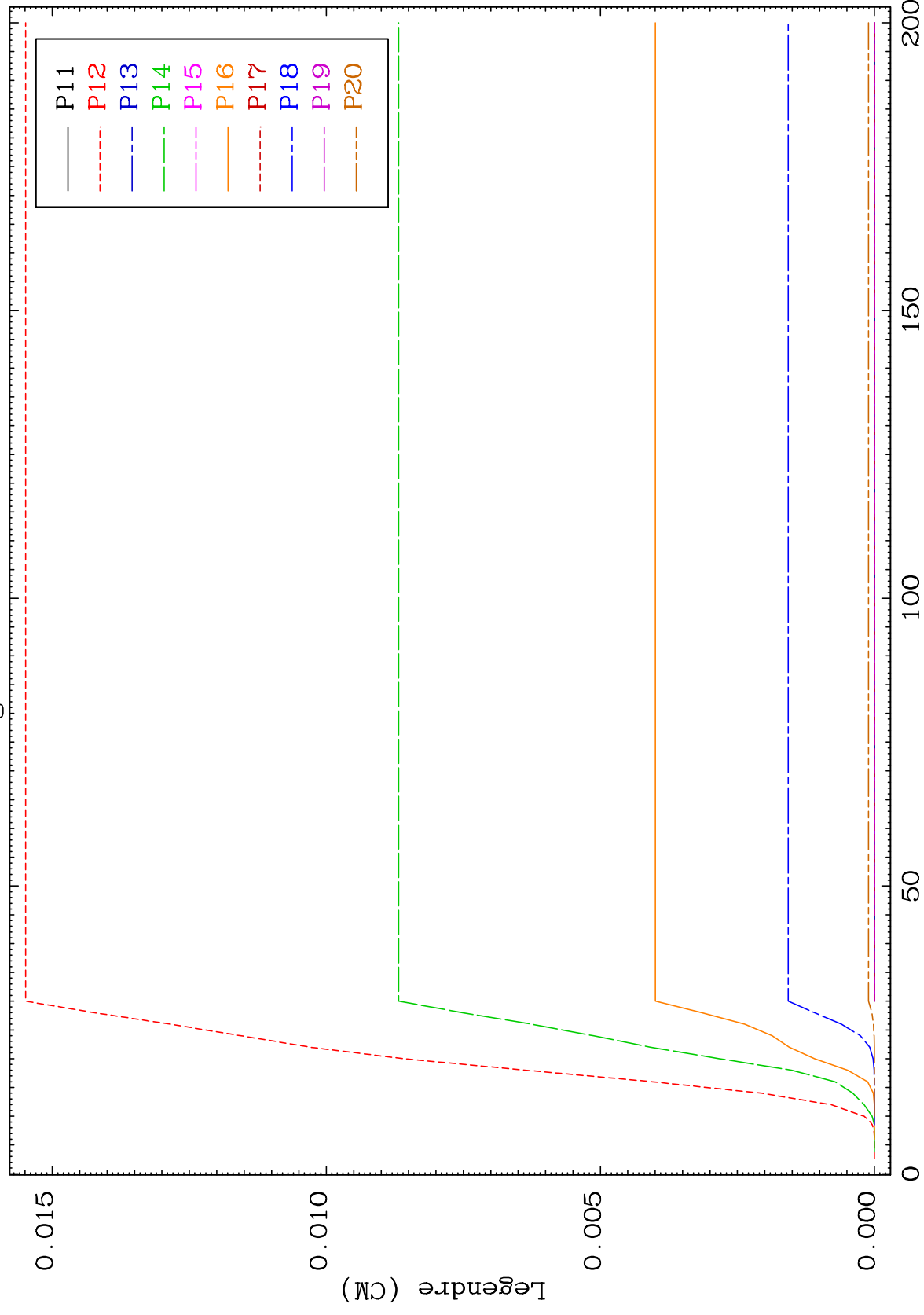
56-Ba-134



MAT 5637

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

56-Ba-134



36

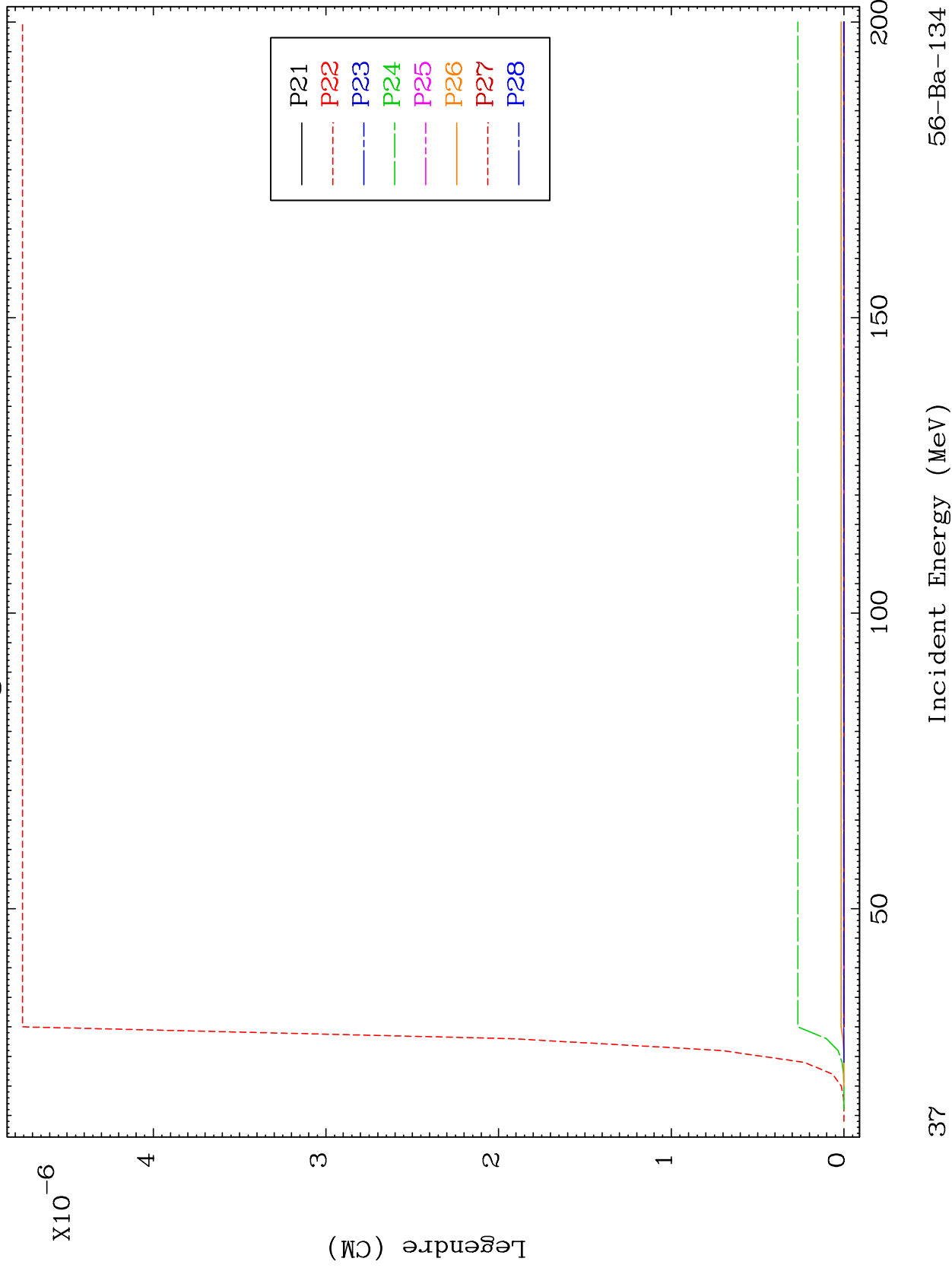
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

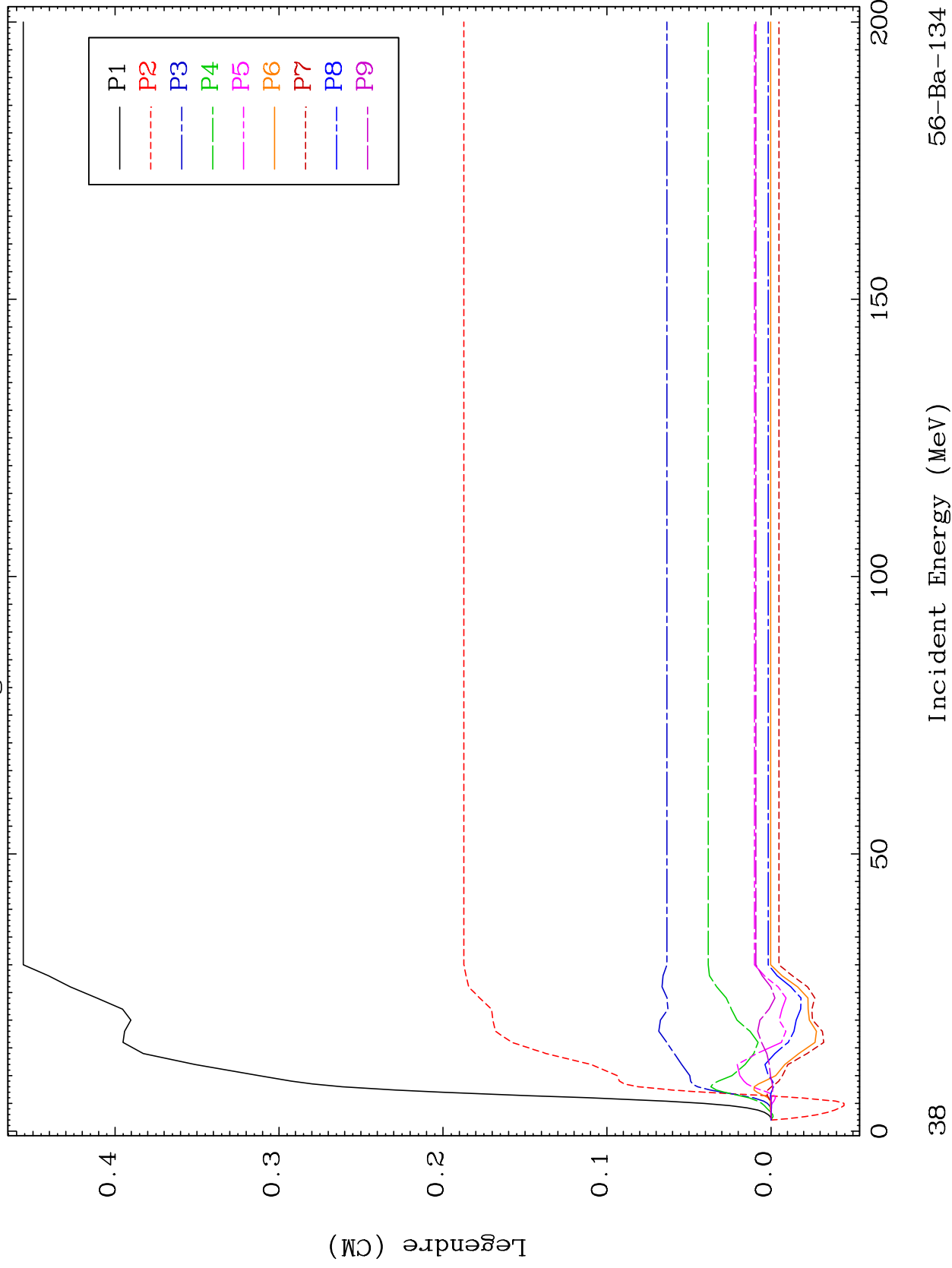
56-Ba-134



MAT 5637

MT= 56 (n,n') Level
Legendre Coefficients

56-Ba-134



56-Ba-134

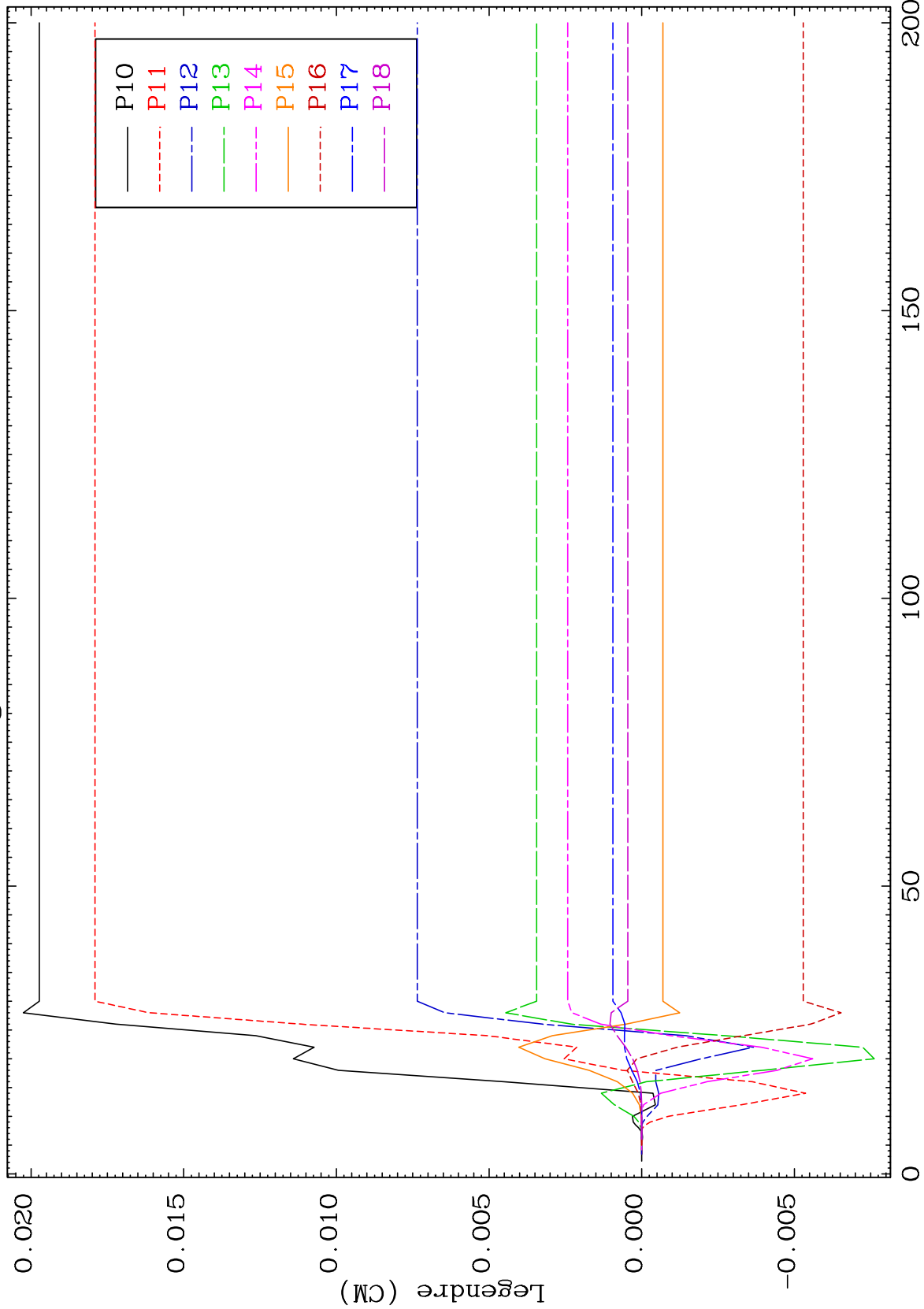
Incident Energy (MeV)

38

MAT 5637

MT= 56 (n,n') Level
Legendre Coefficients

56-Ba-134



39

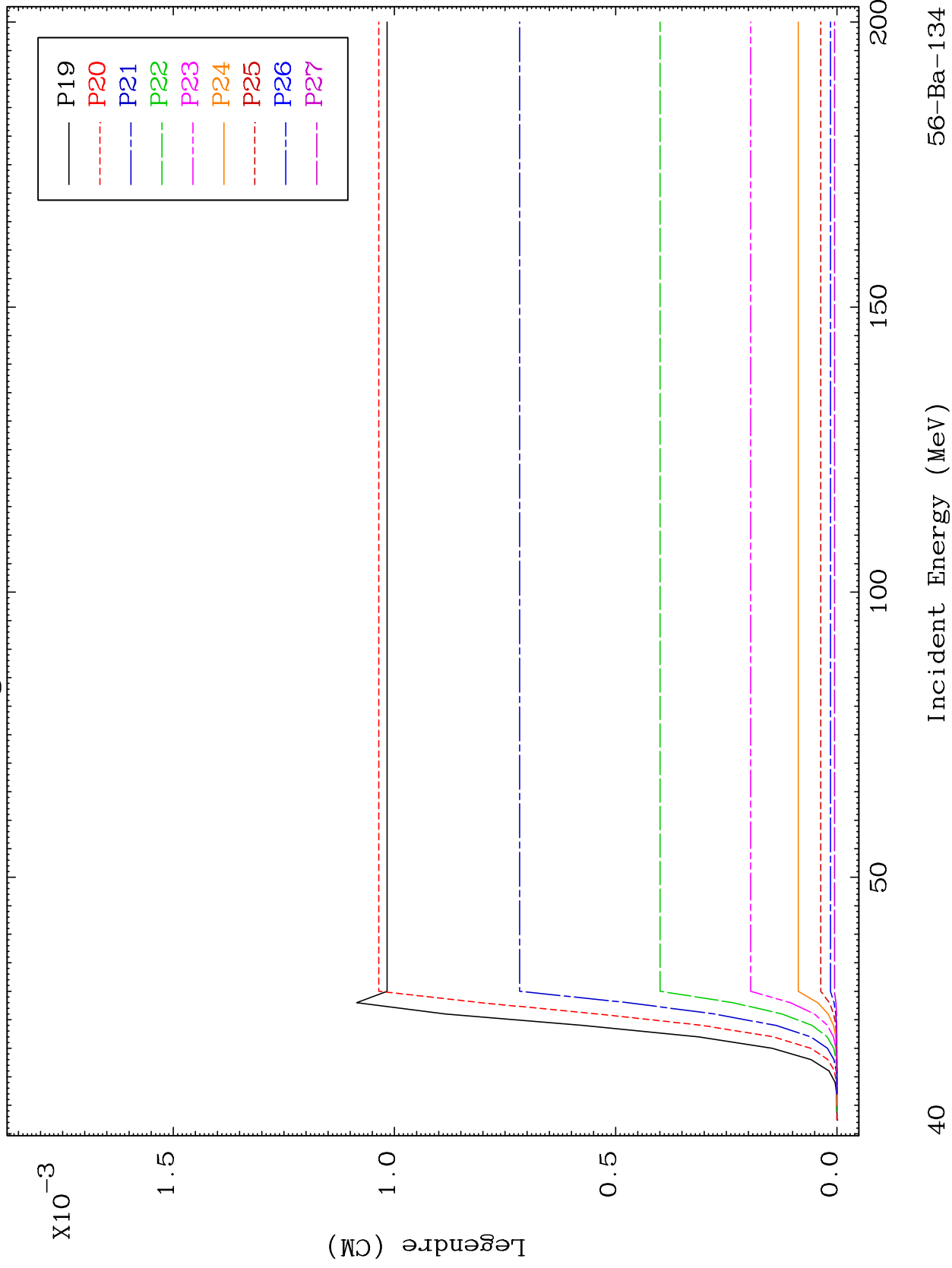
Incident Energy (MeV)

56-Ba-134

MAT 5637

MT= 56 (n,n') Level
Legendre Coefficients

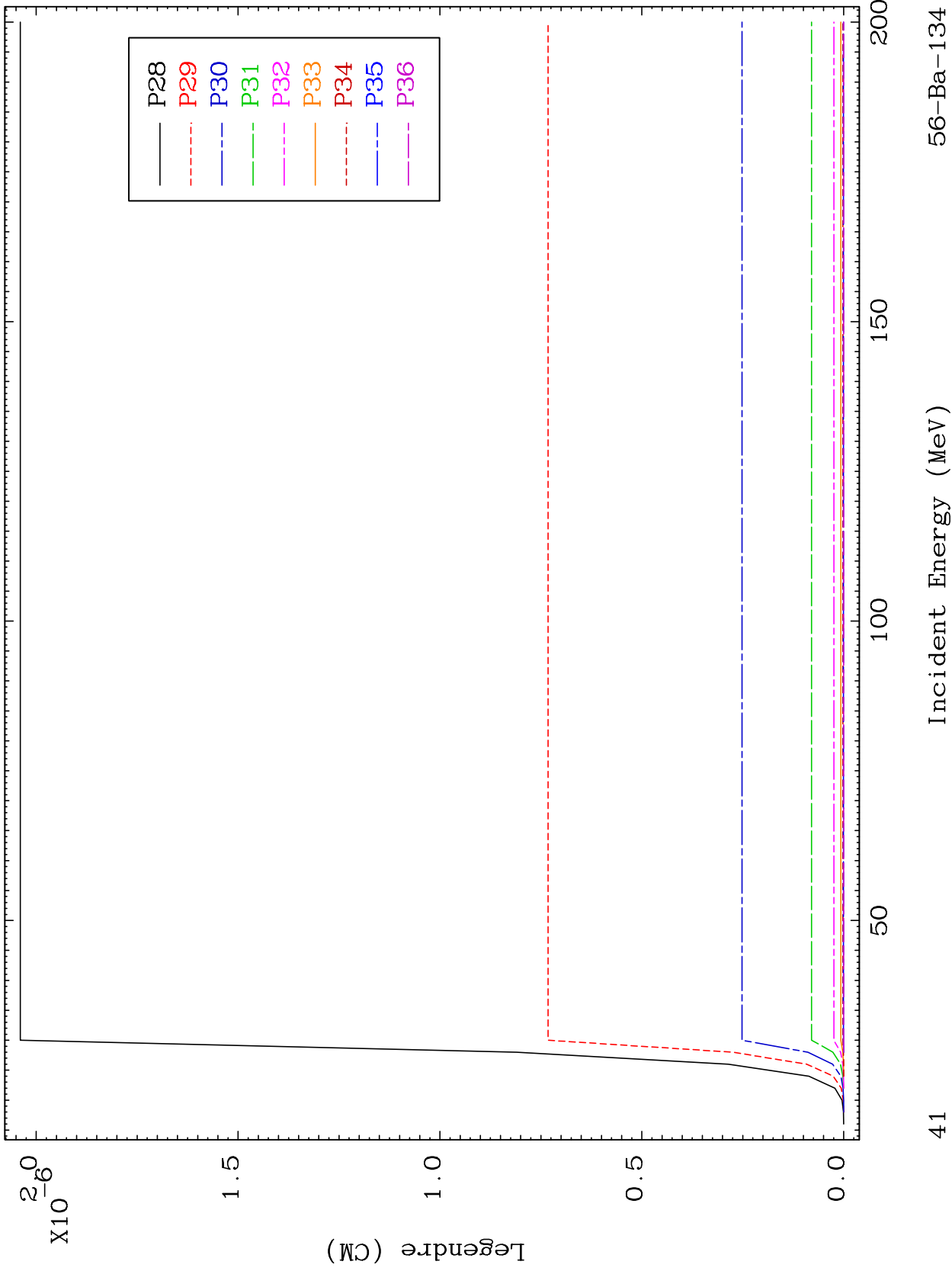
56-Ba-134



MAT 5637

MT= 56 (n,n') Level
Legendre Coefficients

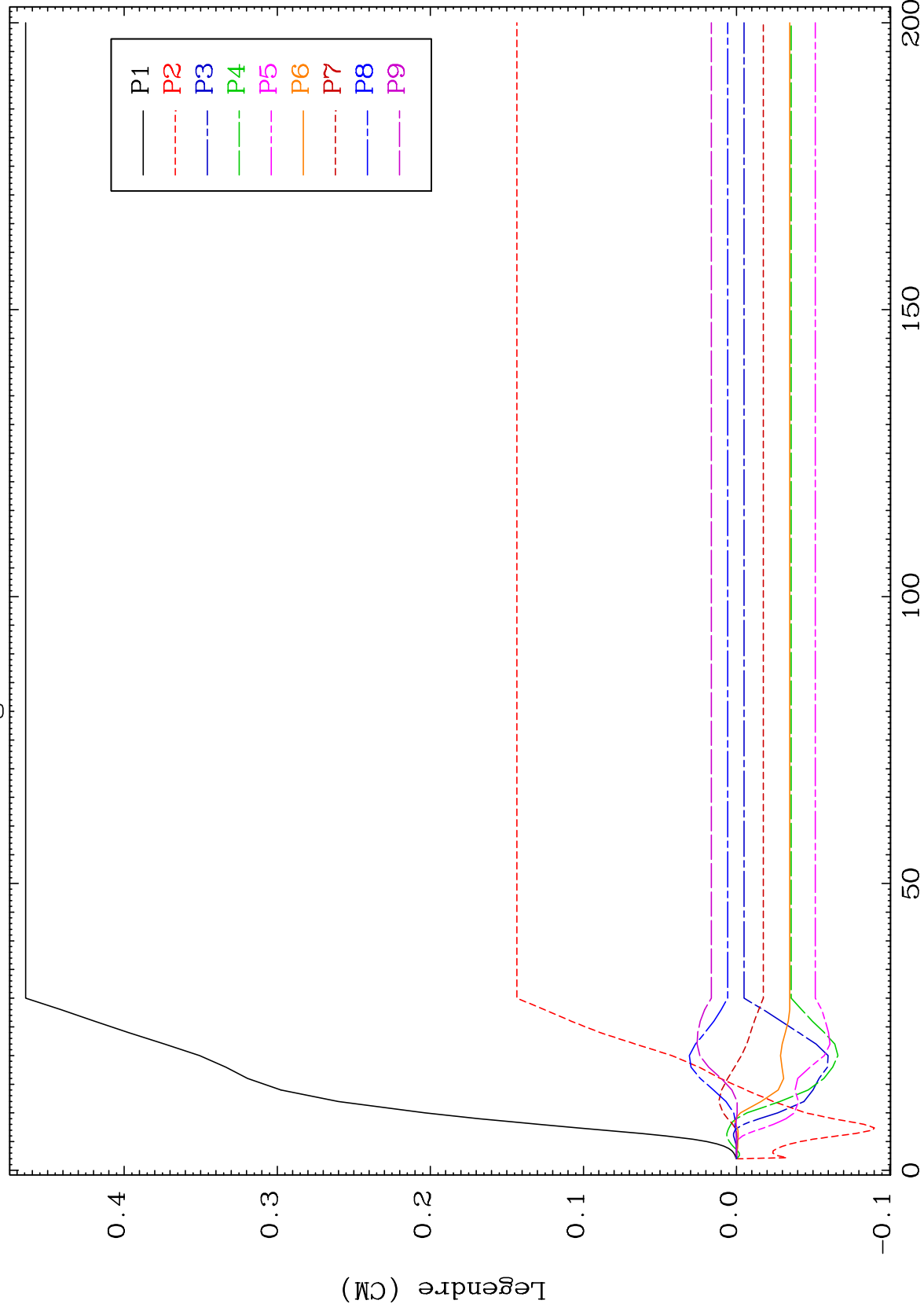
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

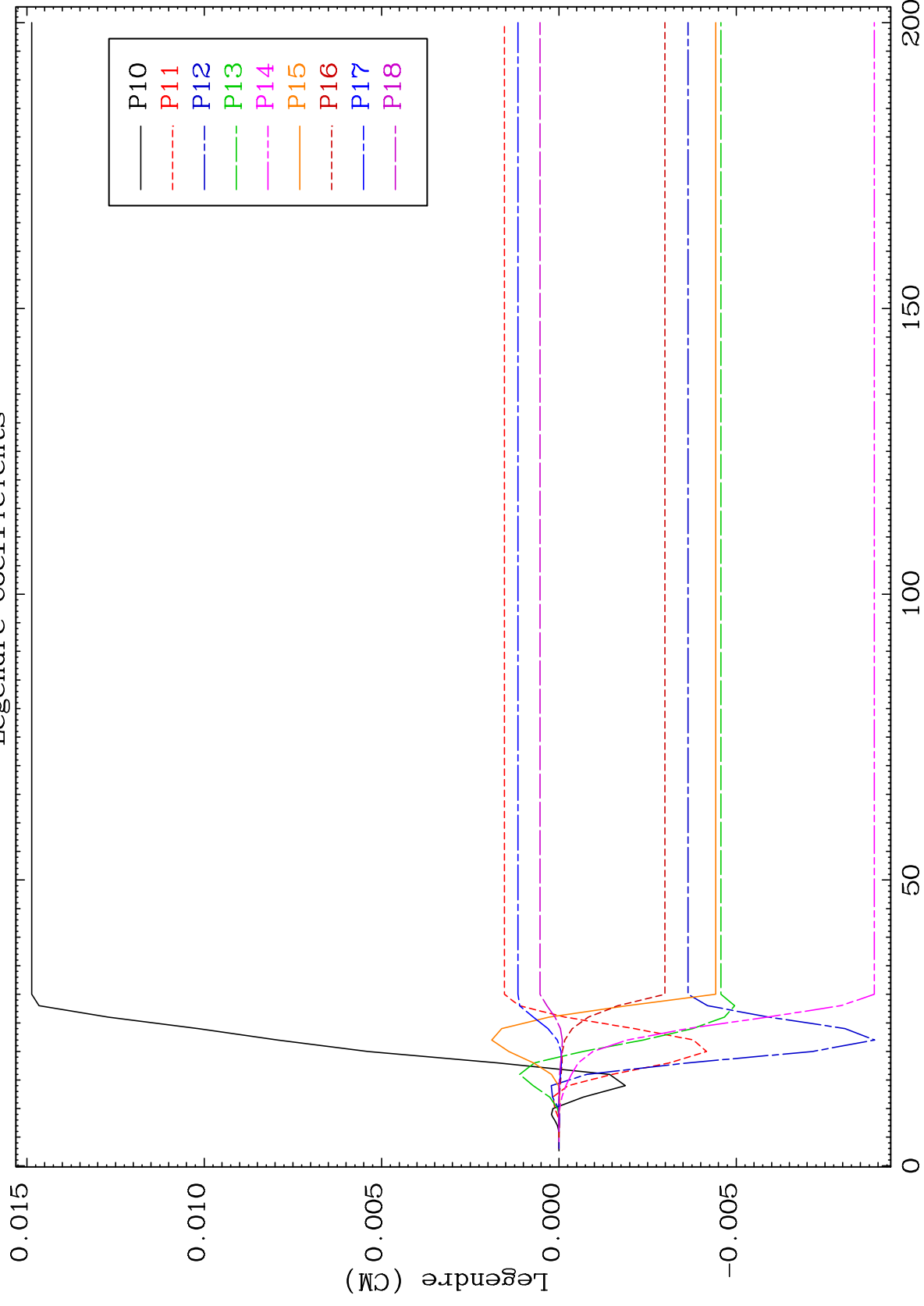
Incident Energy (MeV)

42

MAT 5637

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

56-Ba-134



43

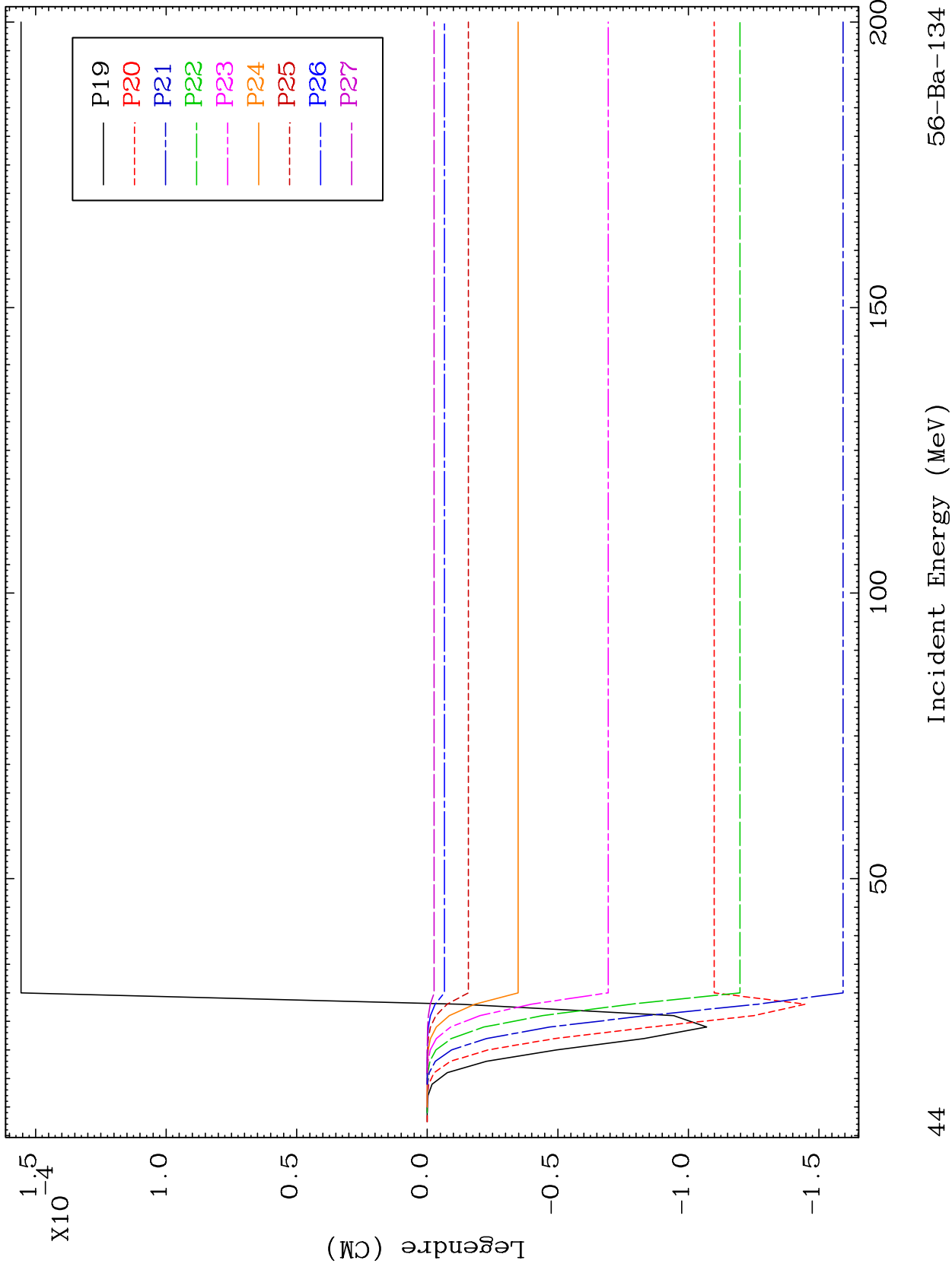
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

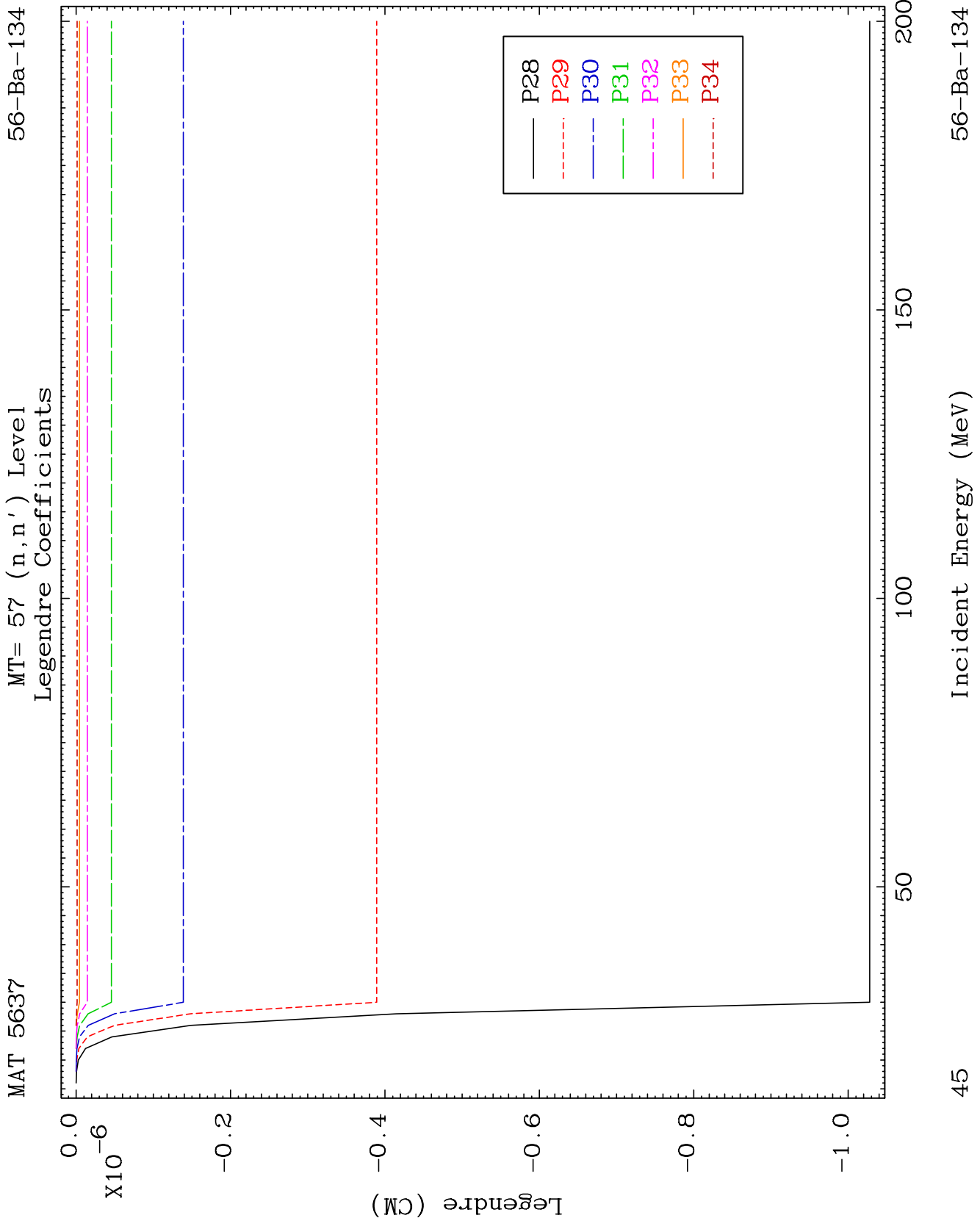
56-Ba-134



44

Incident Energy (MeV)

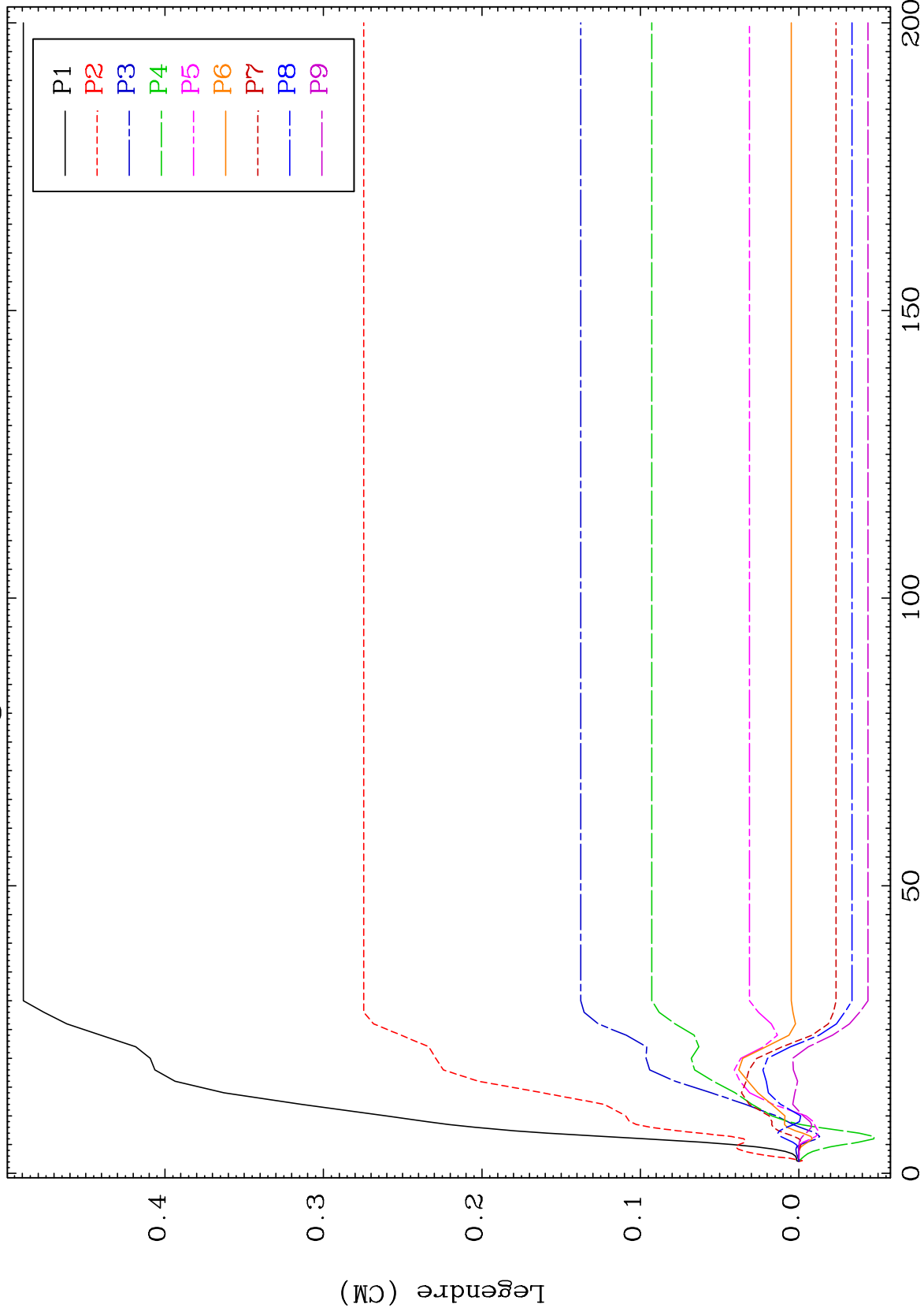
56-Ba-134



MAT 5637

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

56-Ba-134



46

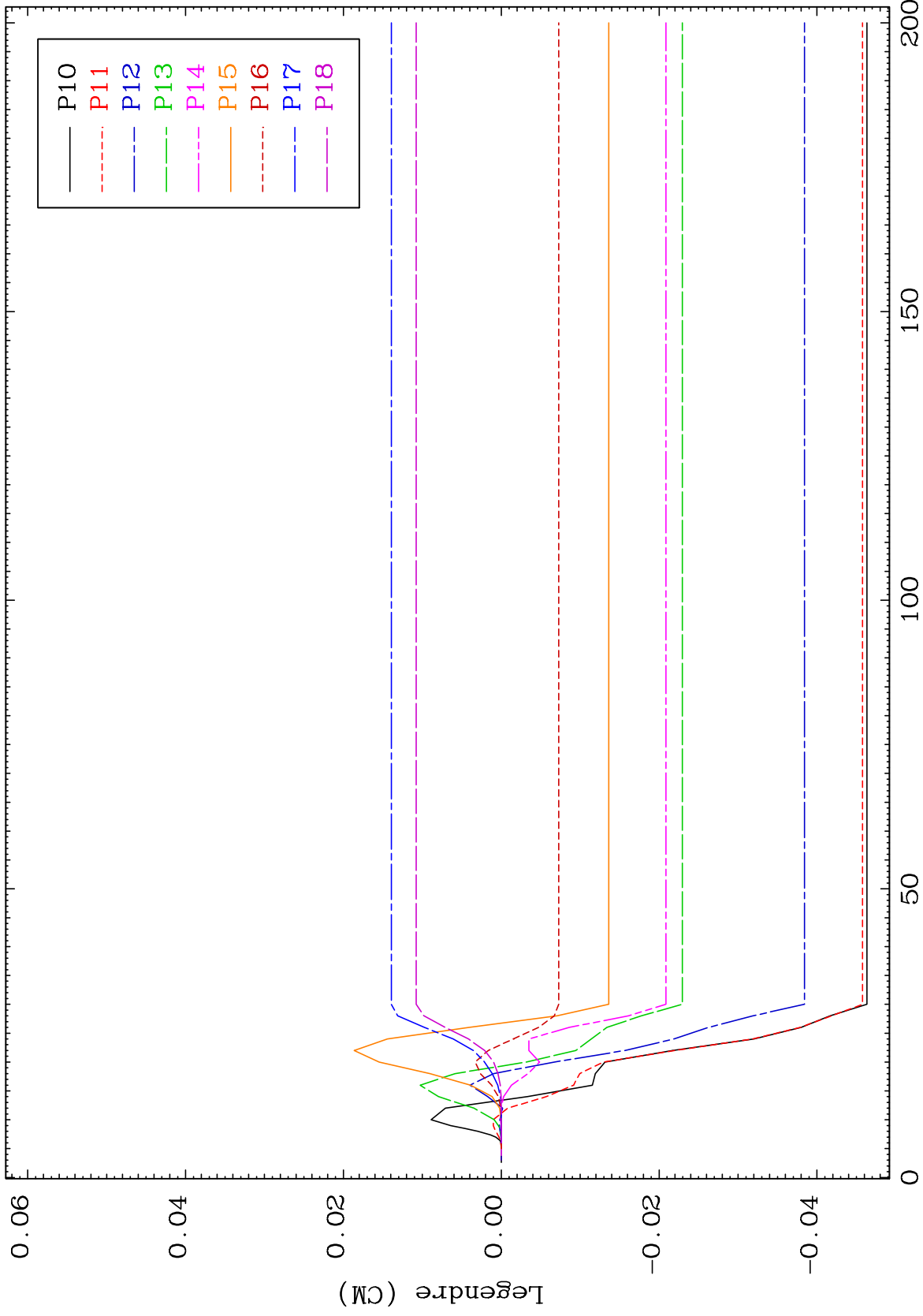
56-Ba-134

56-Ba-134

MAT 5637

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

56-Ba-134



47

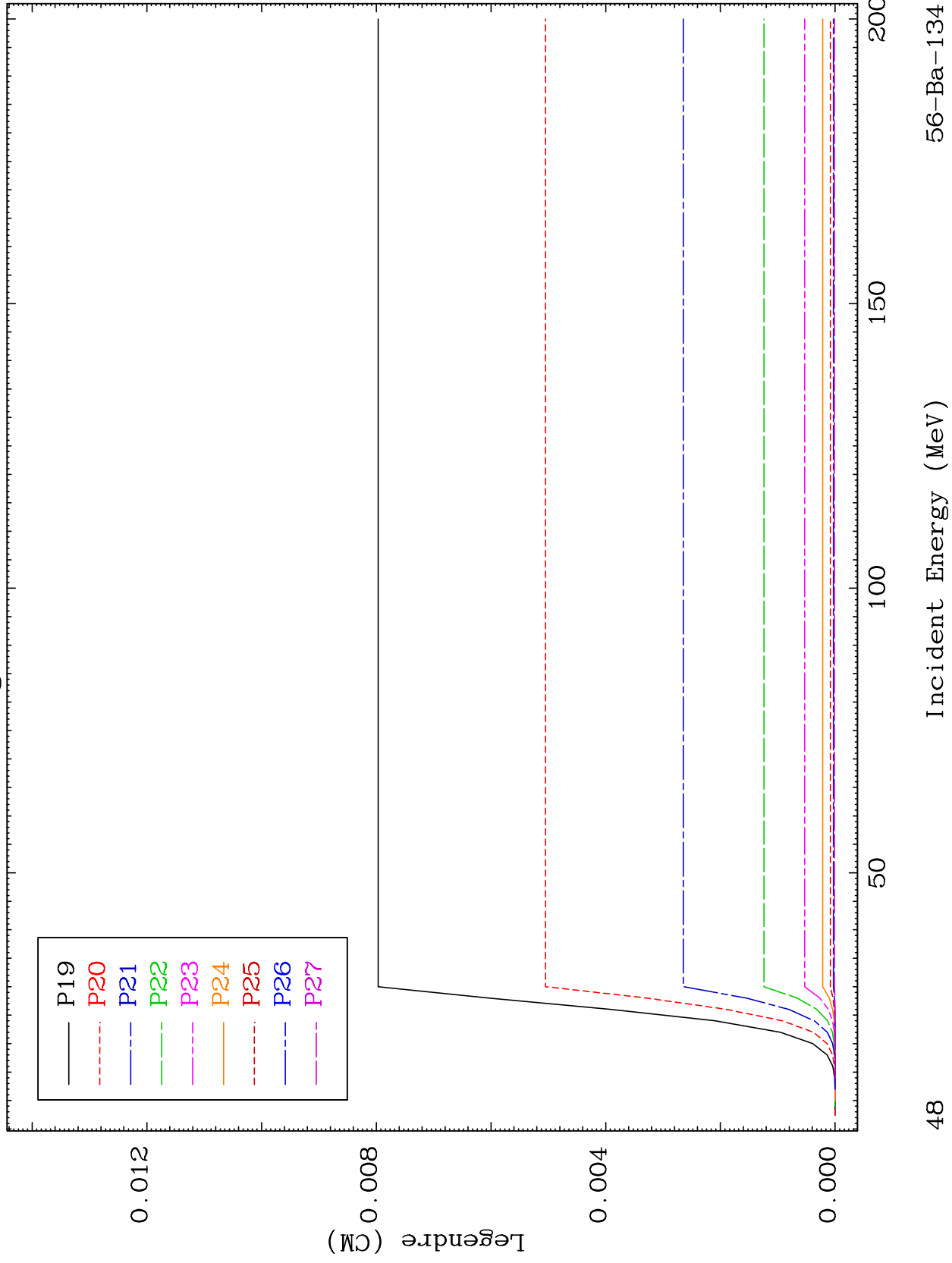
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



48

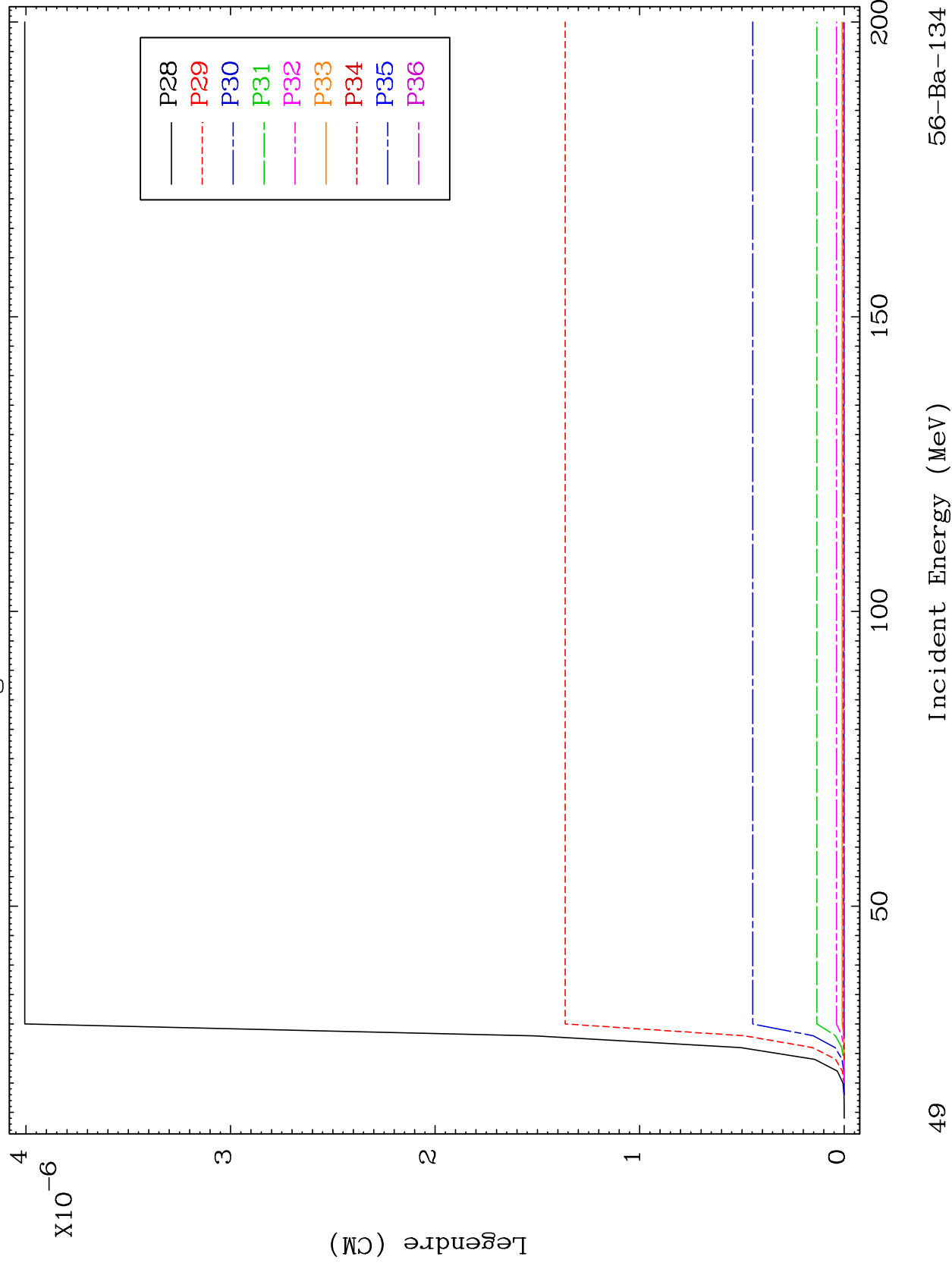
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



49

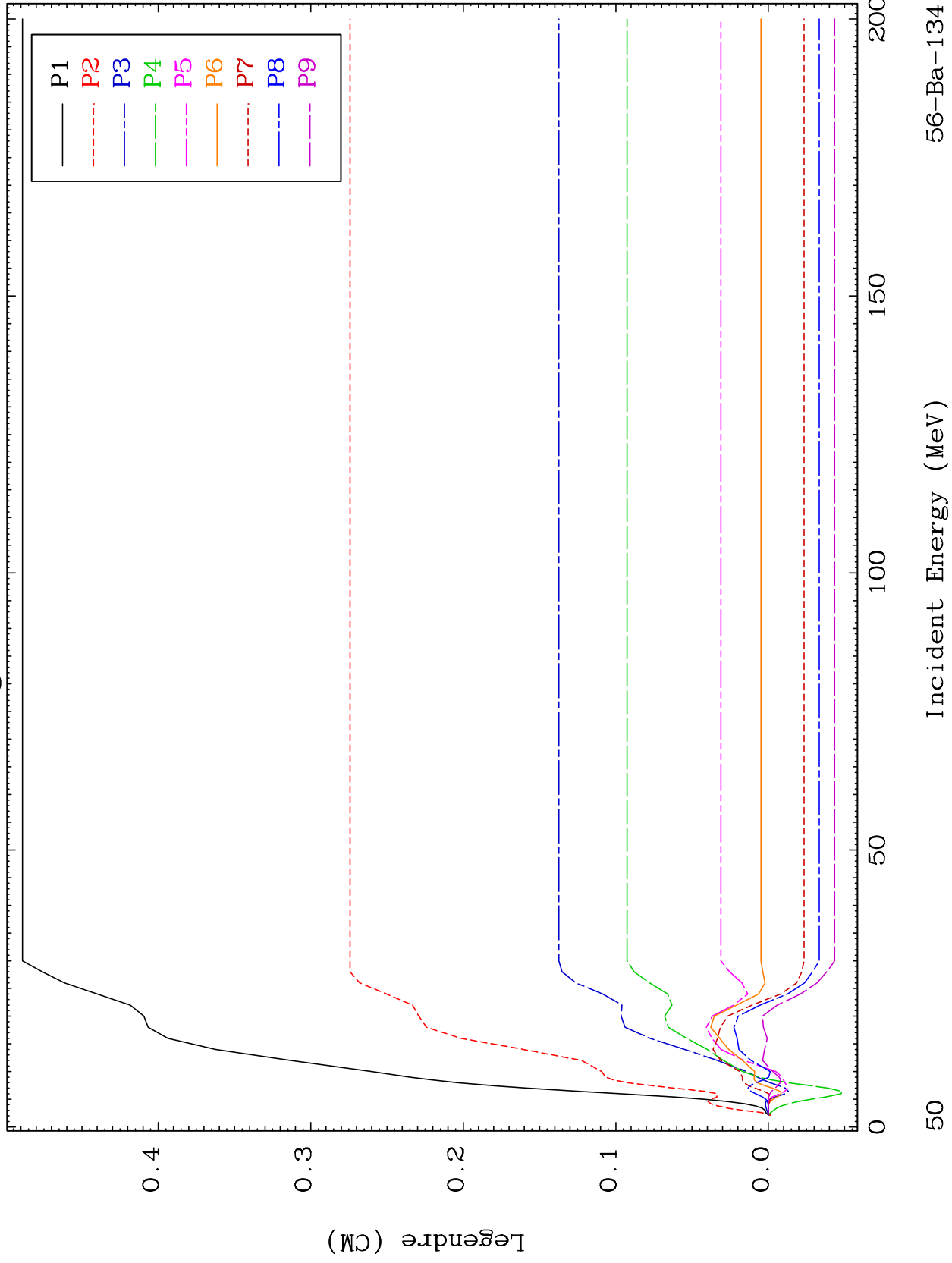
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134

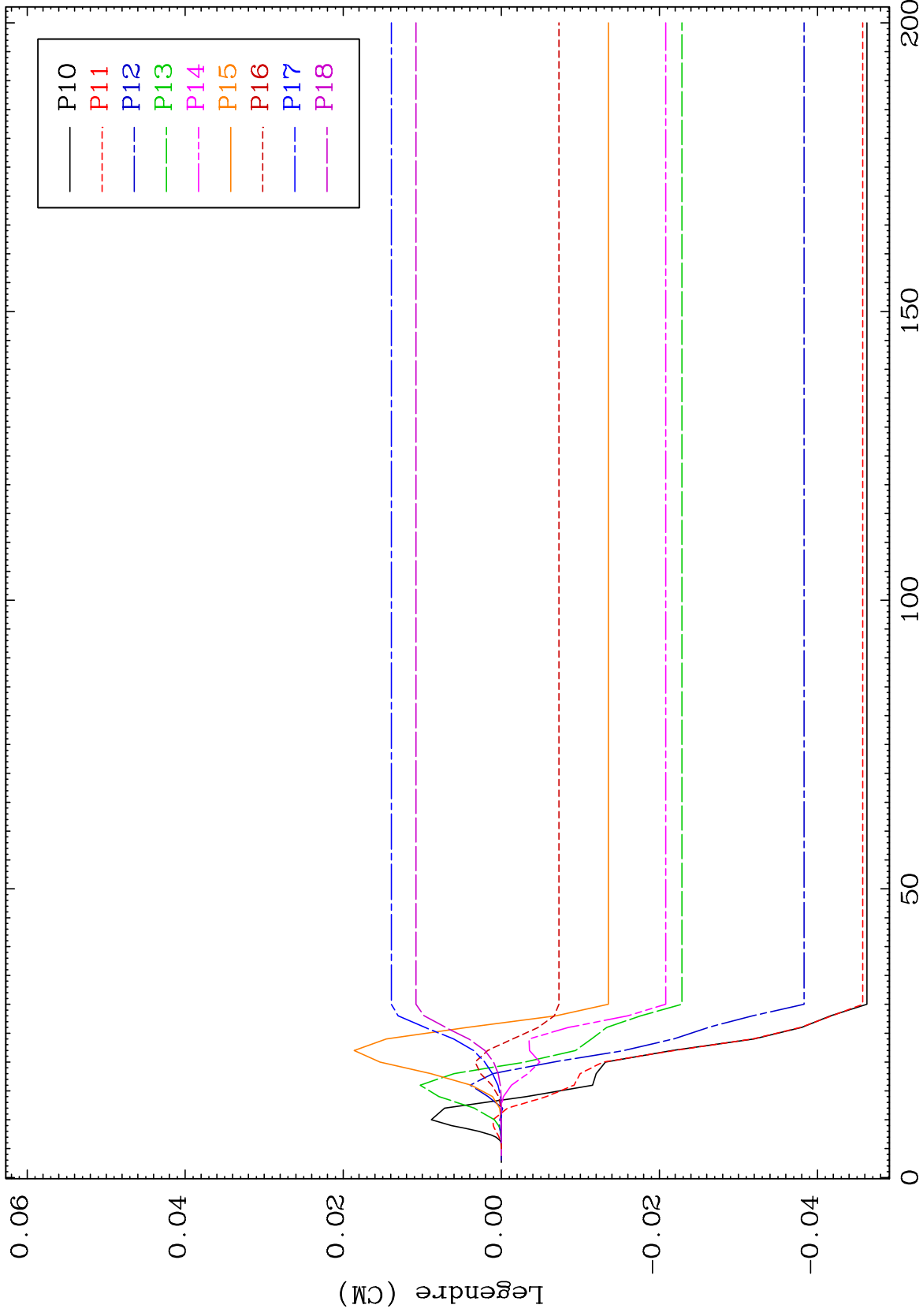


56-Ba-134

MAT 5637

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

56-Ba-134



51

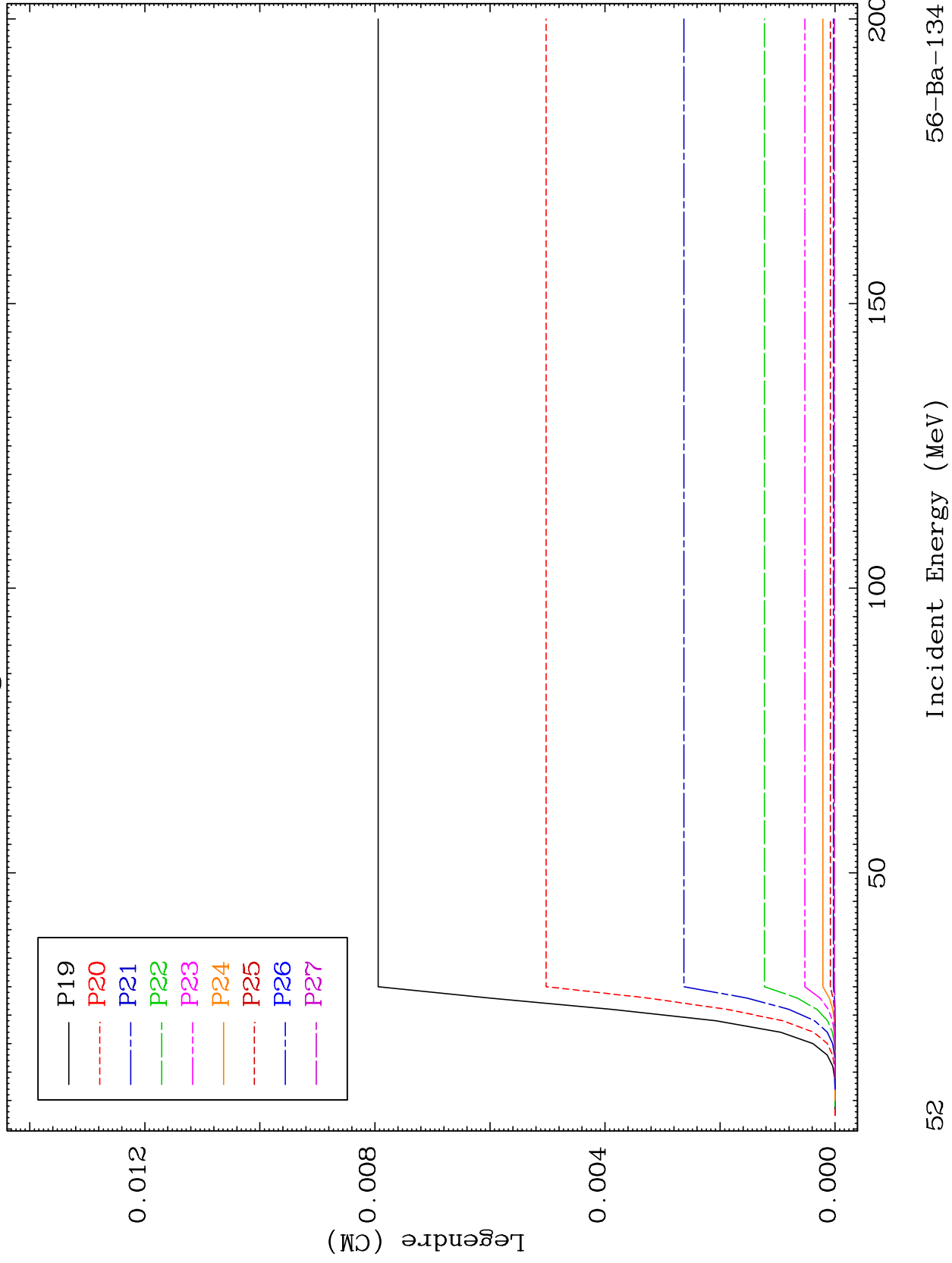
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



52

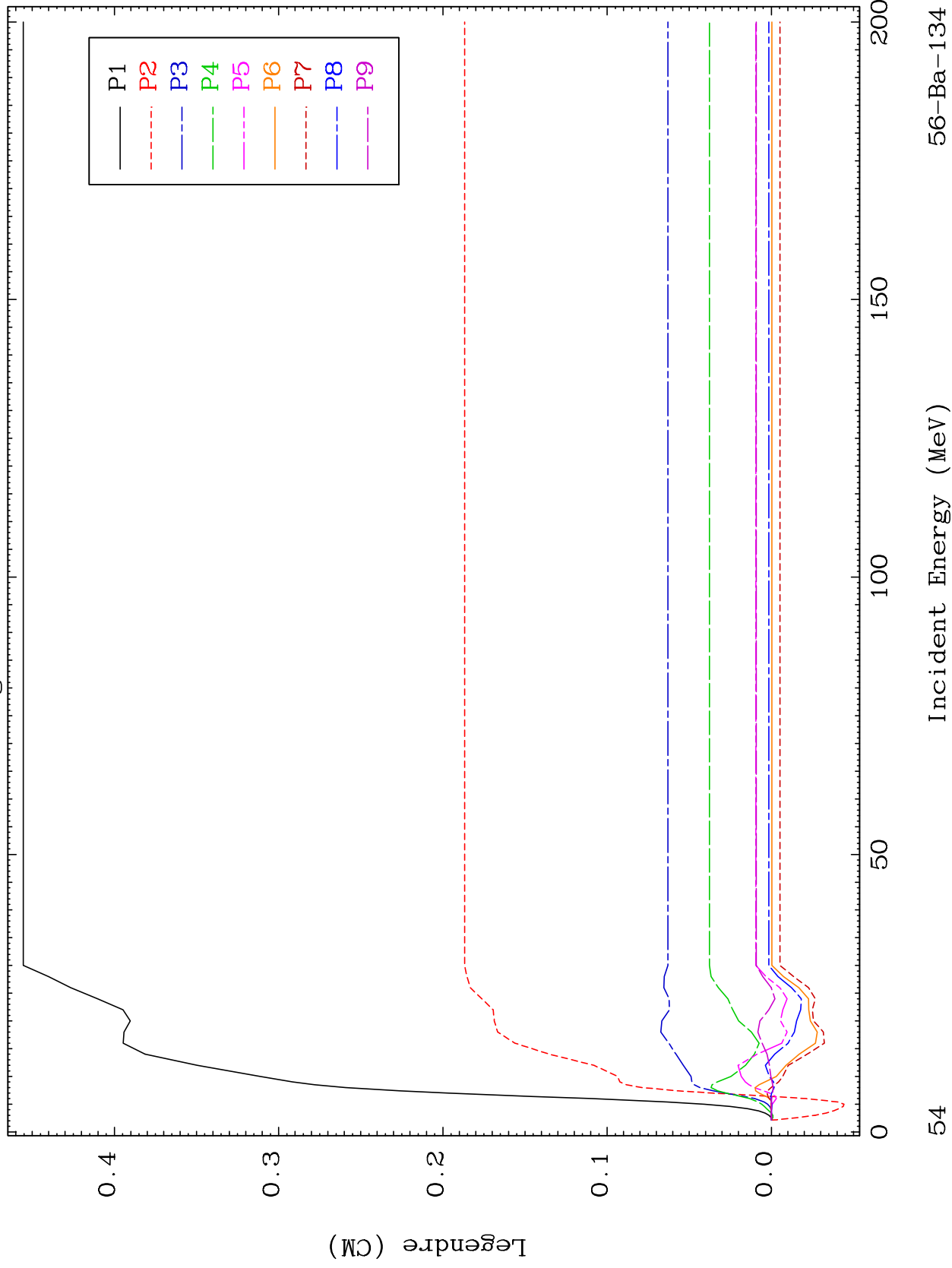
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

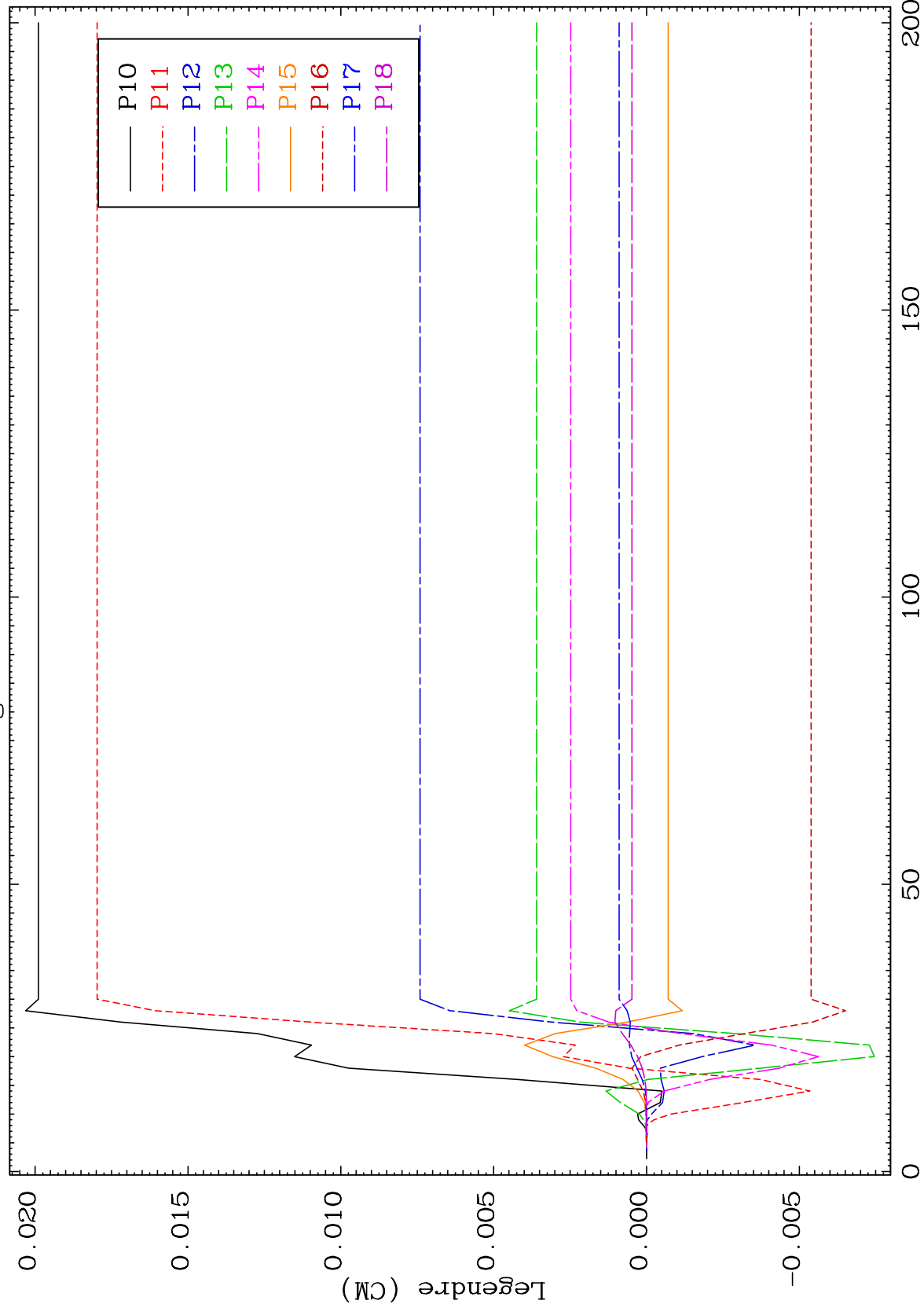
Incident Energy (MeV)

54

MAT 5637

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

56-Ba-134



55

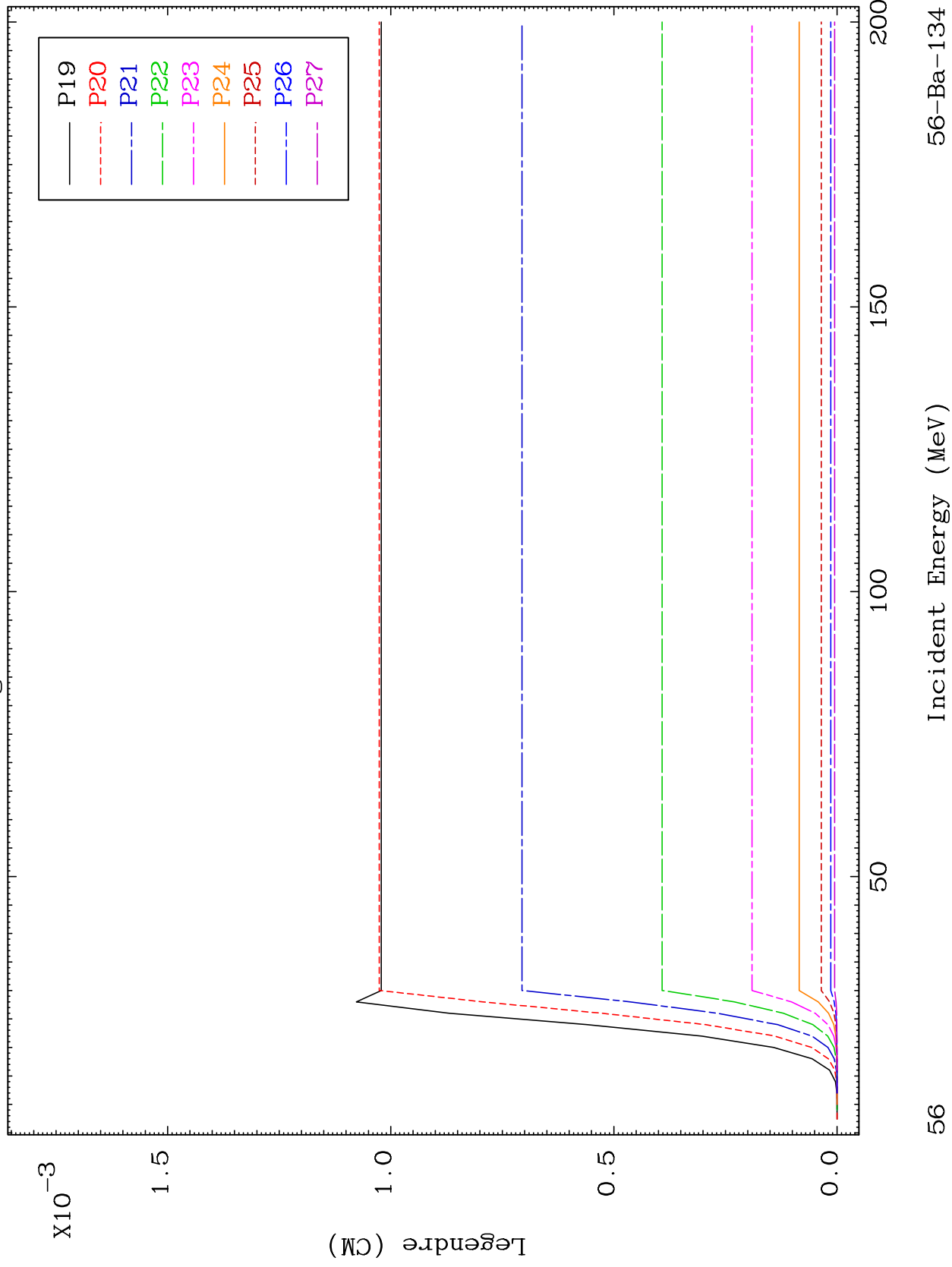
56-Ba-134

56-Ba-134

MAT 5637

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

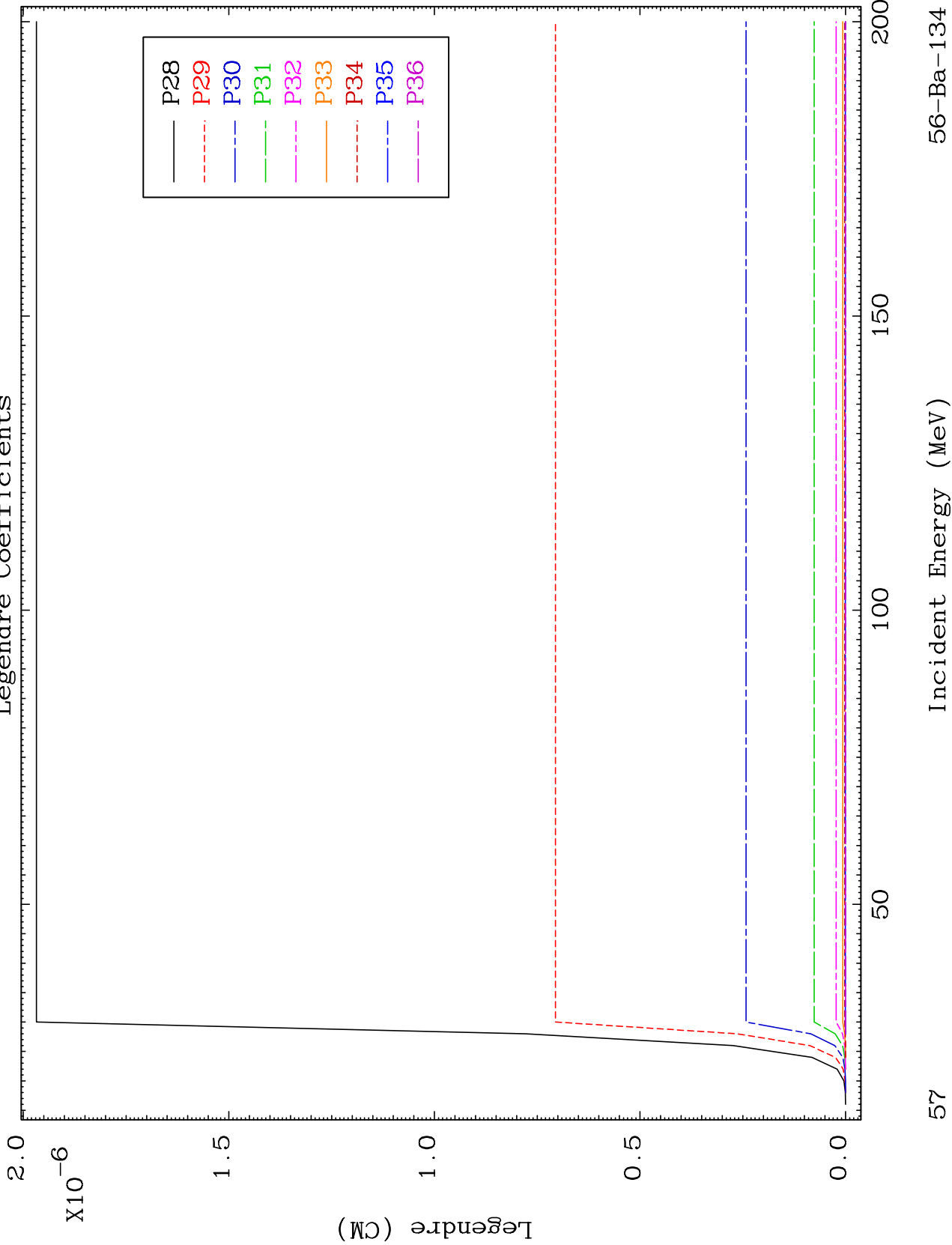
56-Ba-134

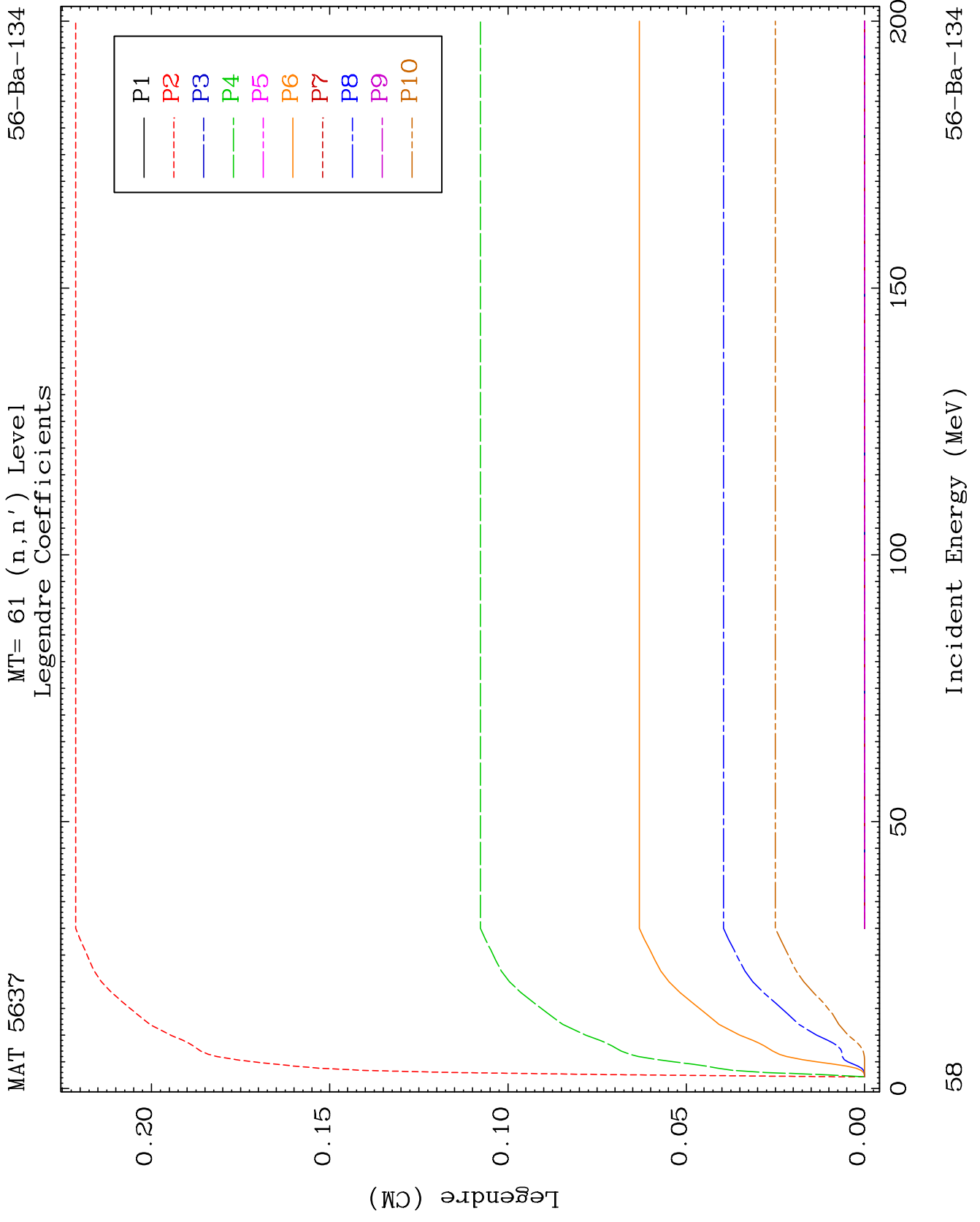


MAT 5637

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

56-Ba-134

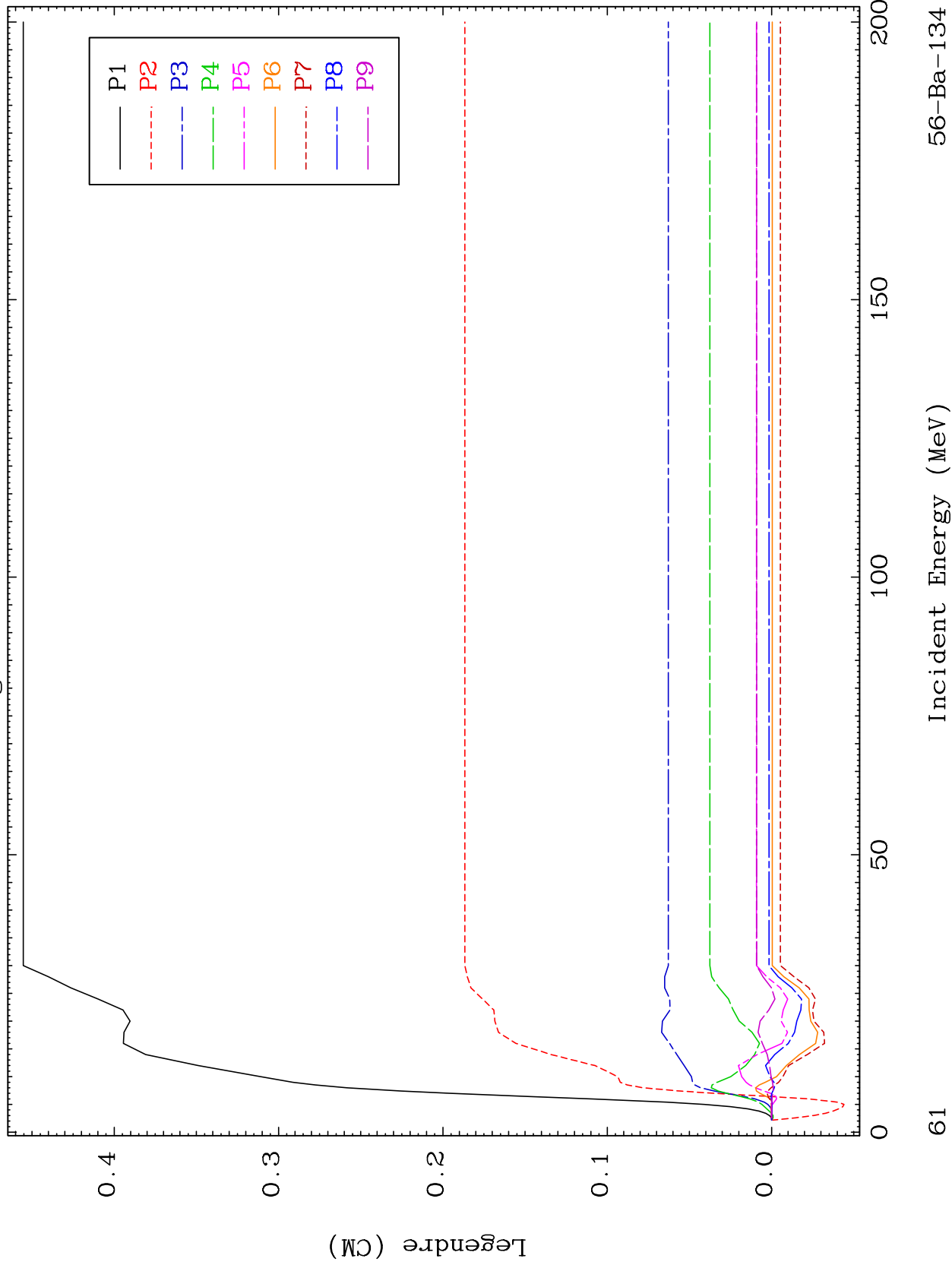




MAT 5637

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

56-Ba-134



56-Ba-134

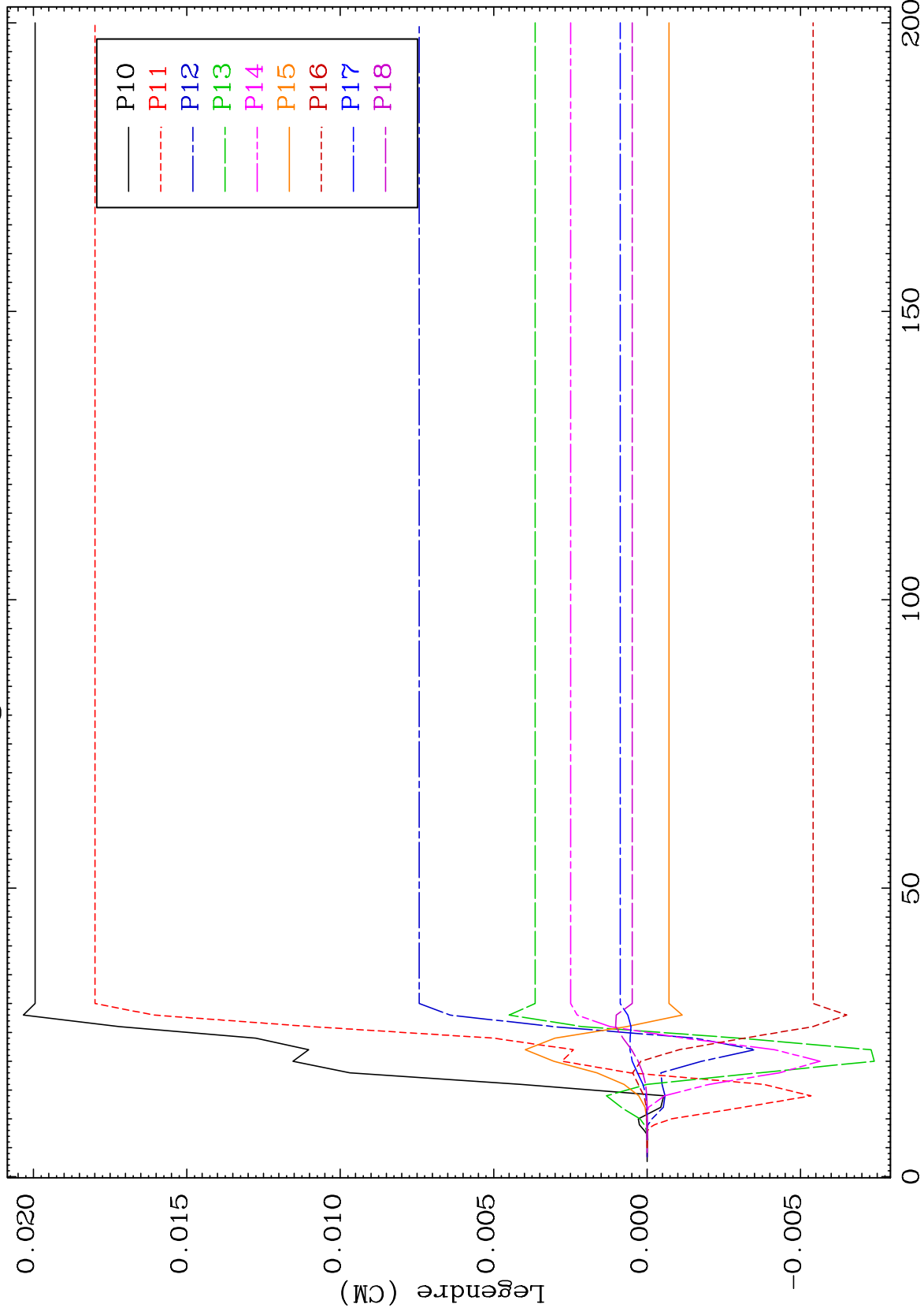
Incident Energy (MeV)

61

MAT 5637

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

56-Ba-134



56-Ba-134

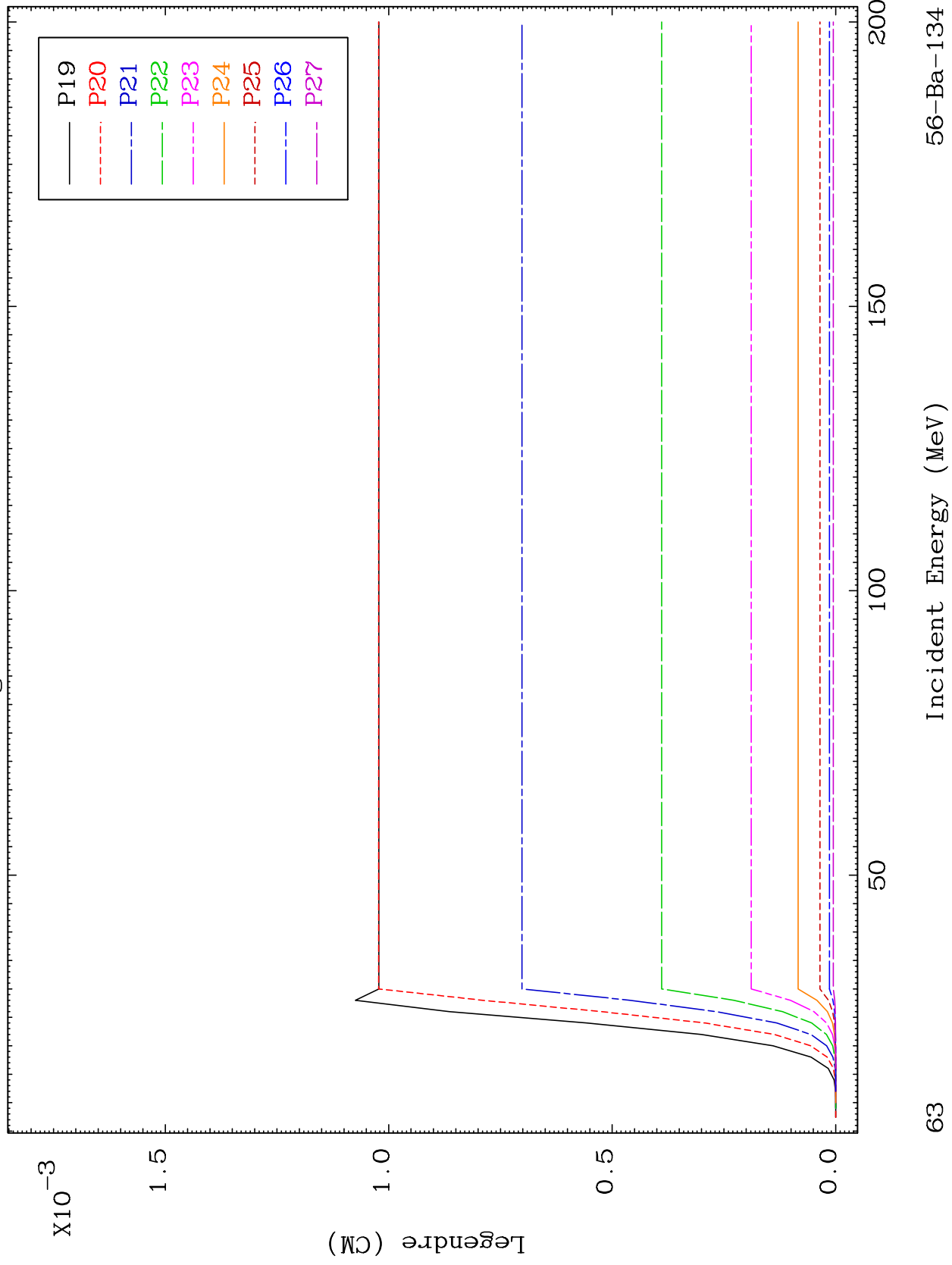
Incident Energy (MeV)

62

MAT 5637

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

56-Ba-134



63

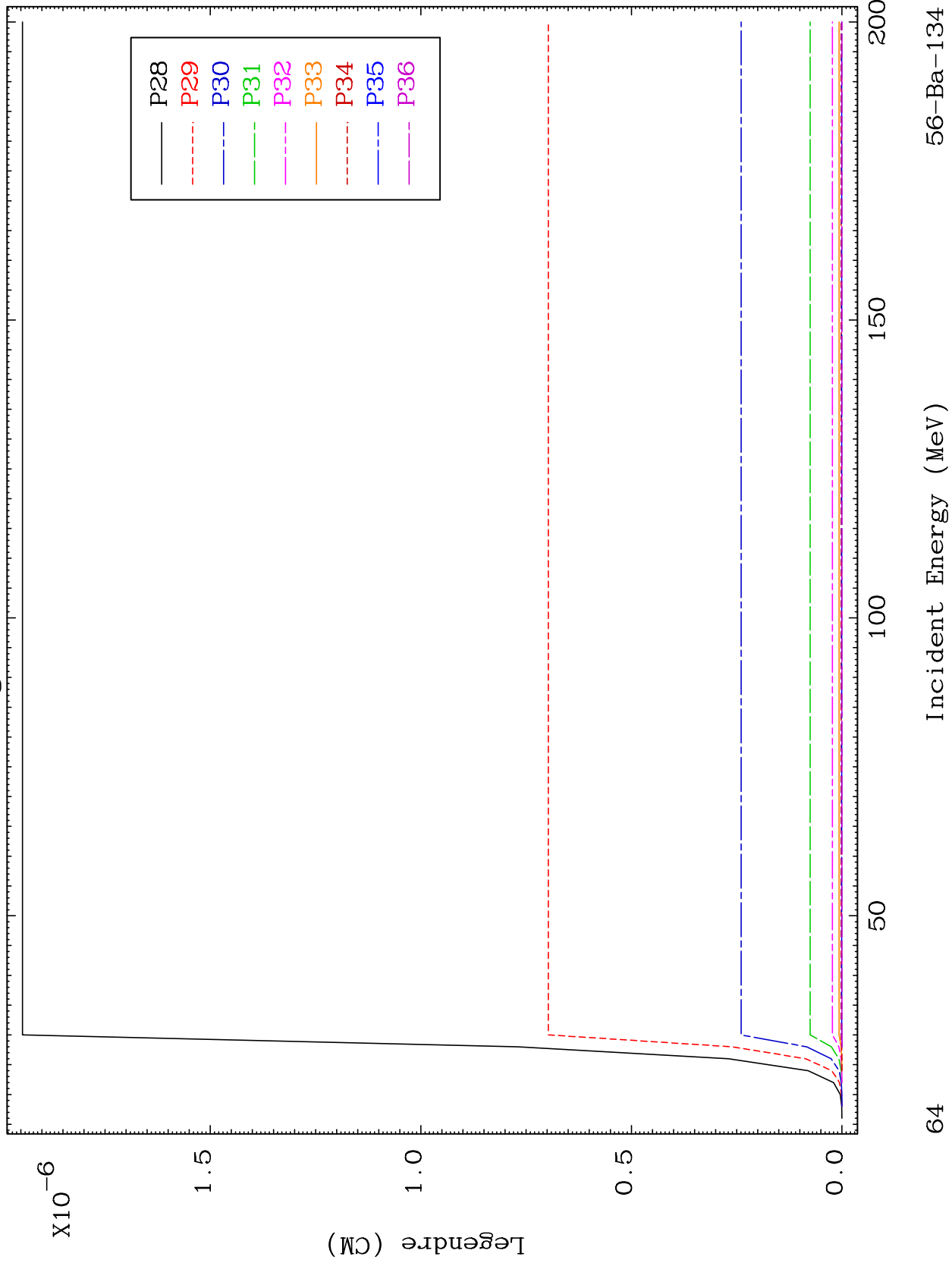
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



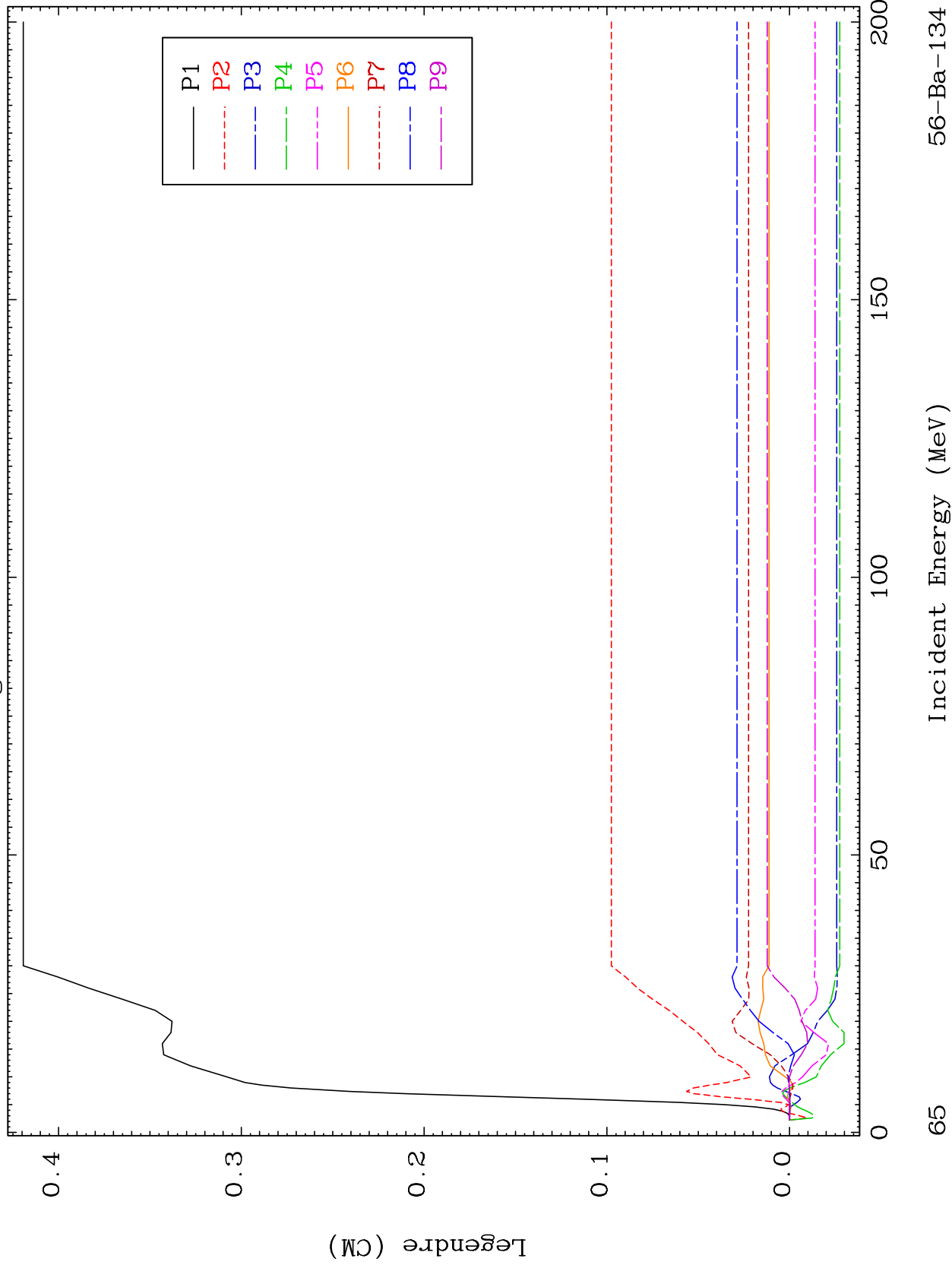
64

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

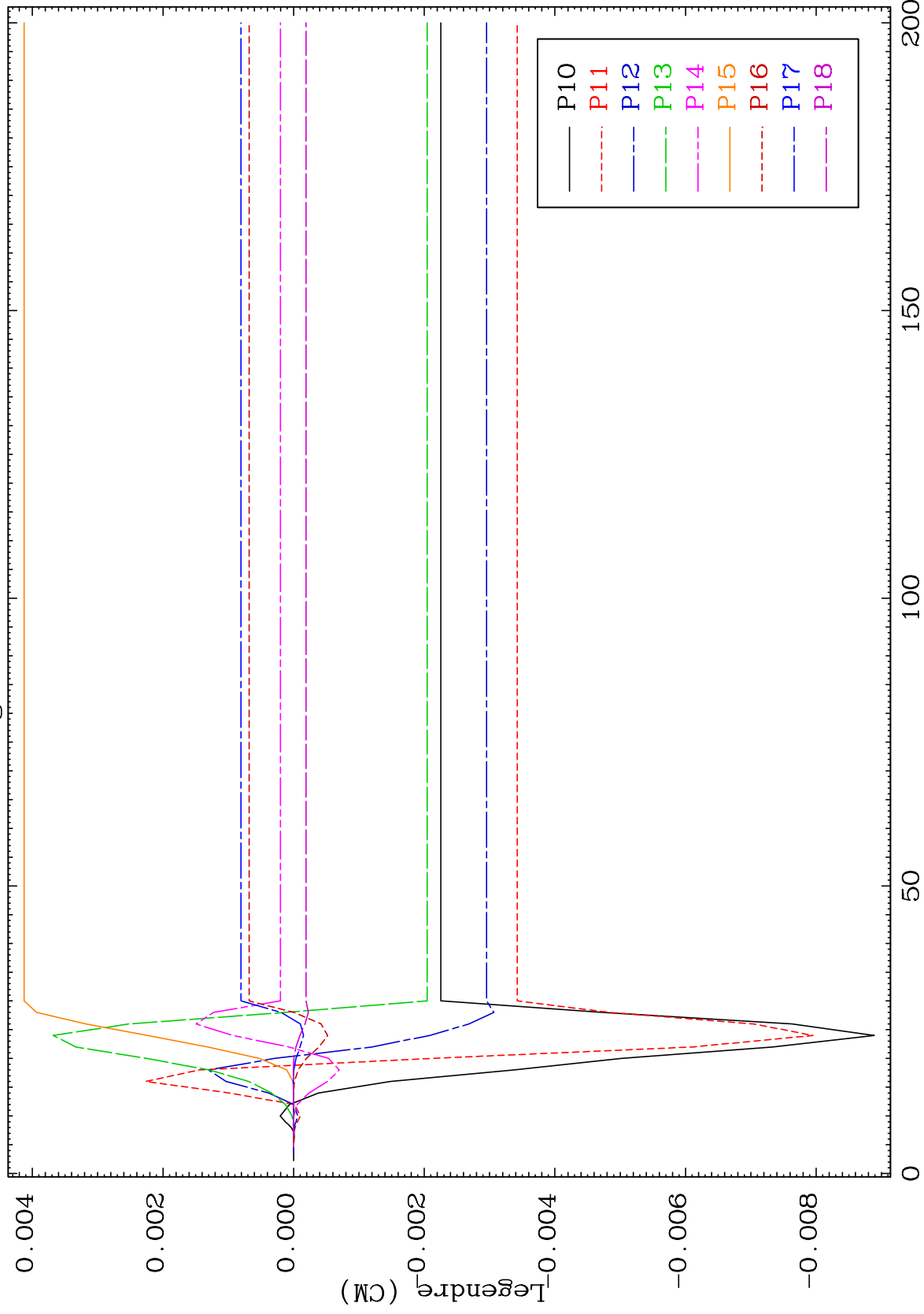
Incident Energy (MeV)

65

MAT 5637

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

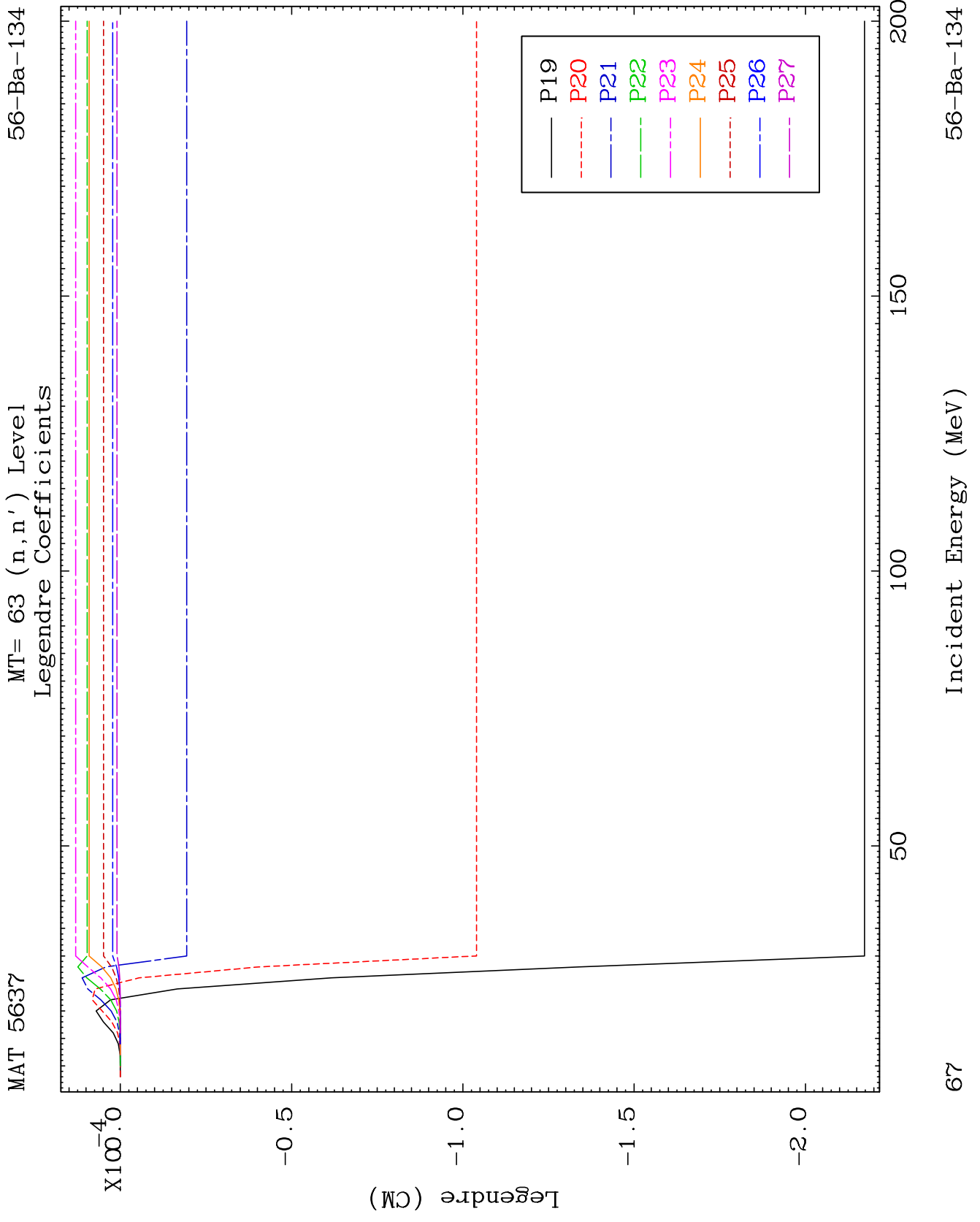
56-Ba-134



66

Incident Energy (MeV)

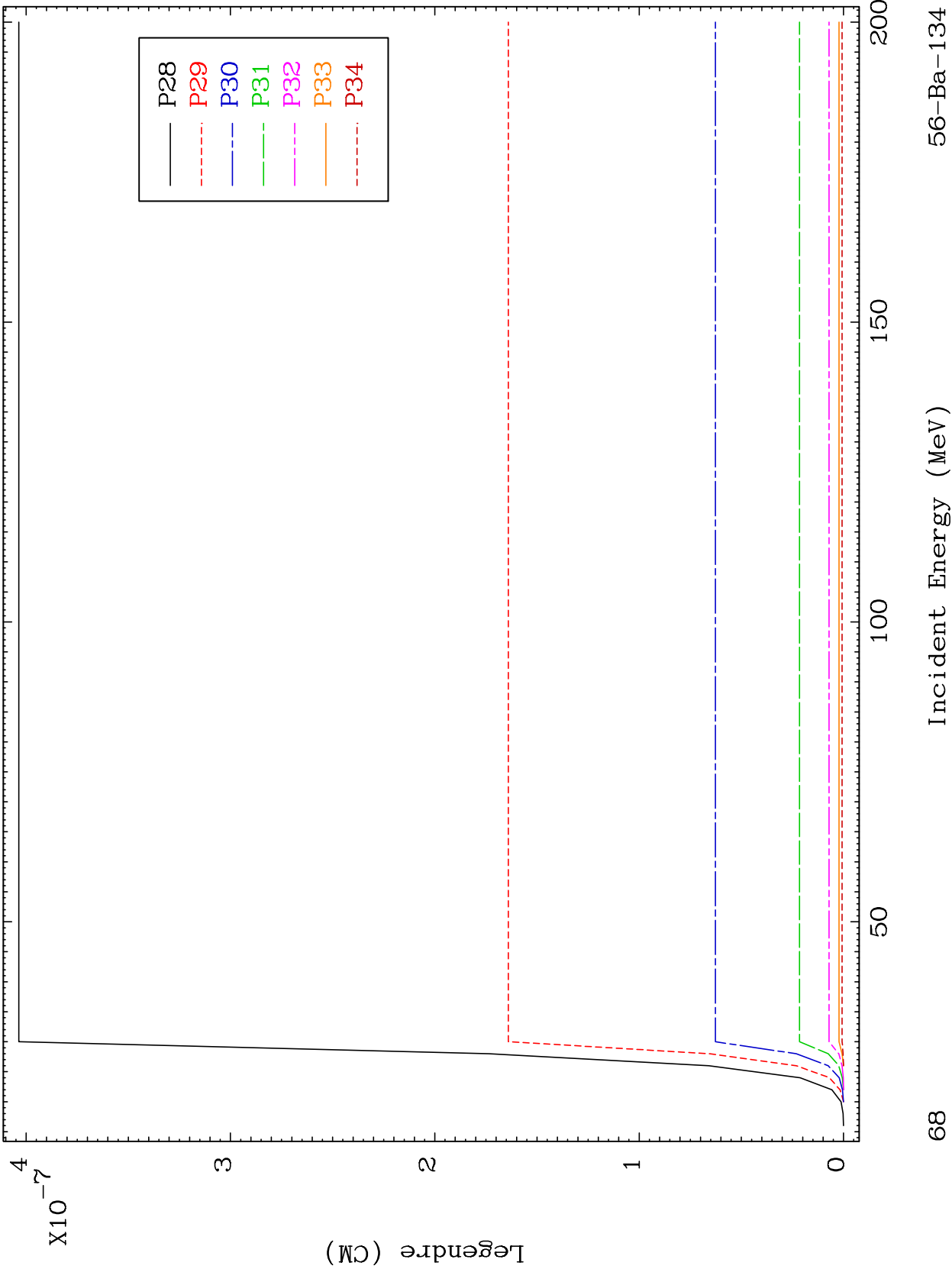
56-Ba-134



MAT 5637

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

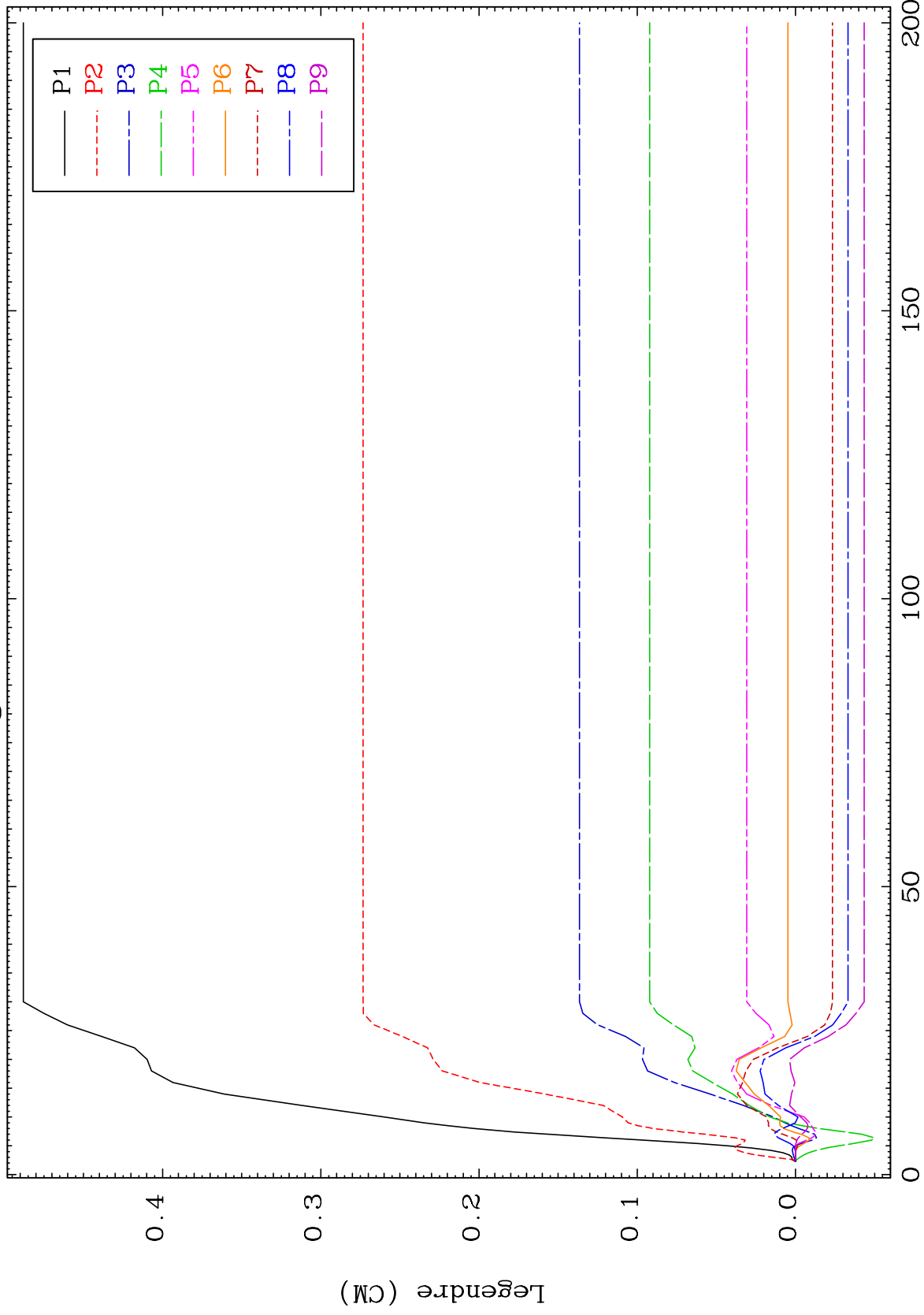
56-Ba-134



MAT 5637

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

56-Ba-134



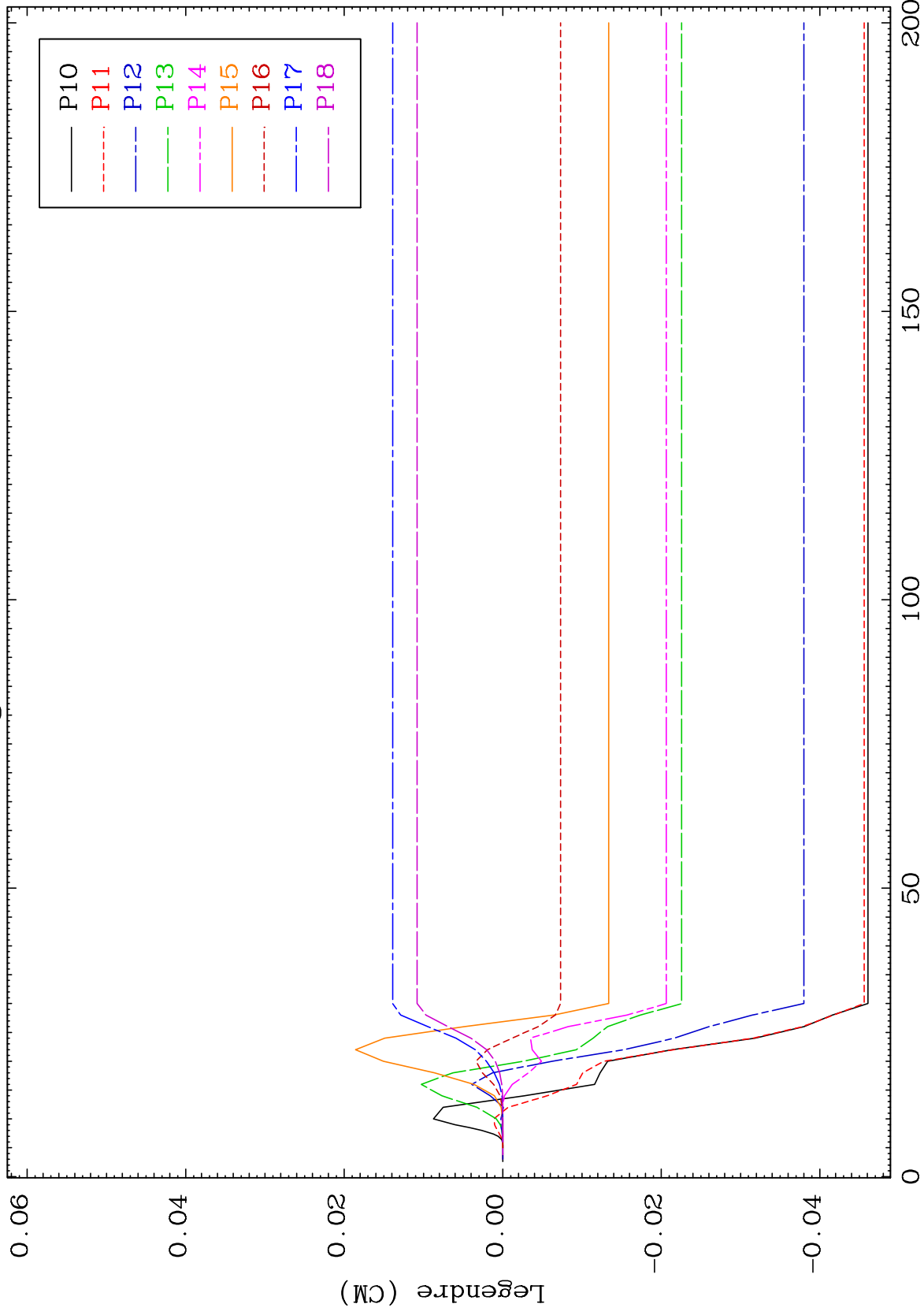
69

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

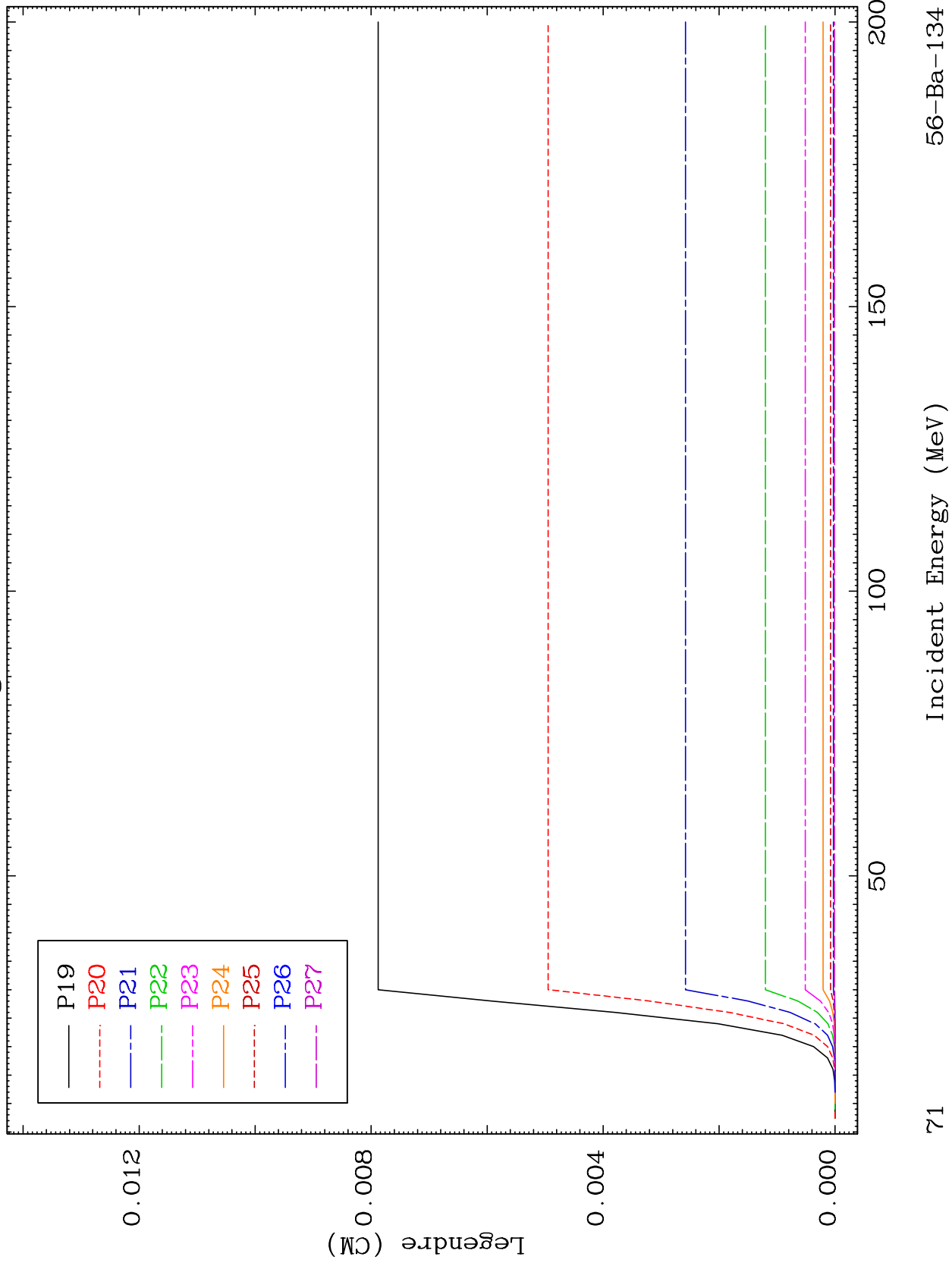
Incident Energy (MeV)

70

MAT 5637

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

56-Ba-134



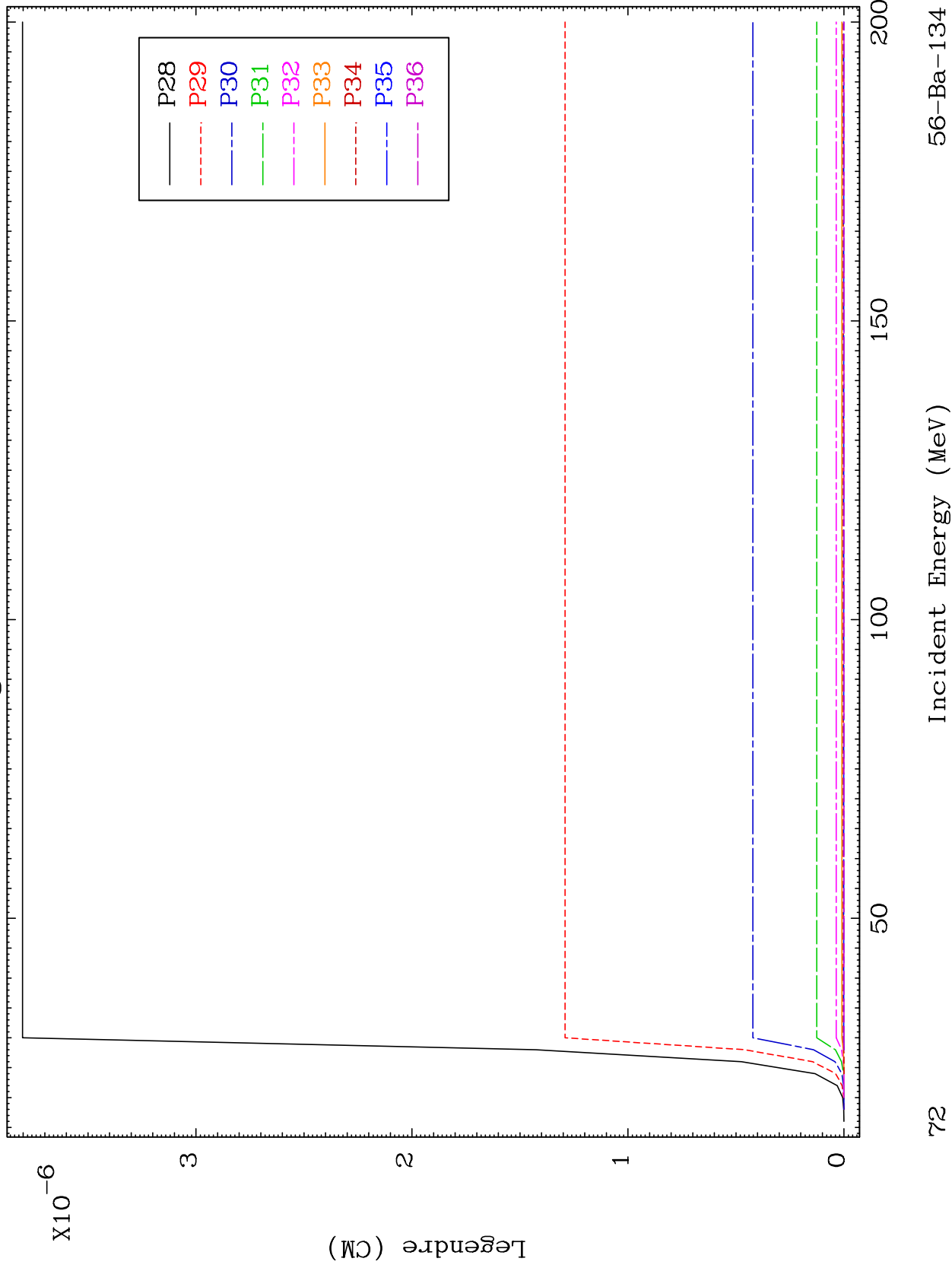
71

56-Ba-134

MAT 5637

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

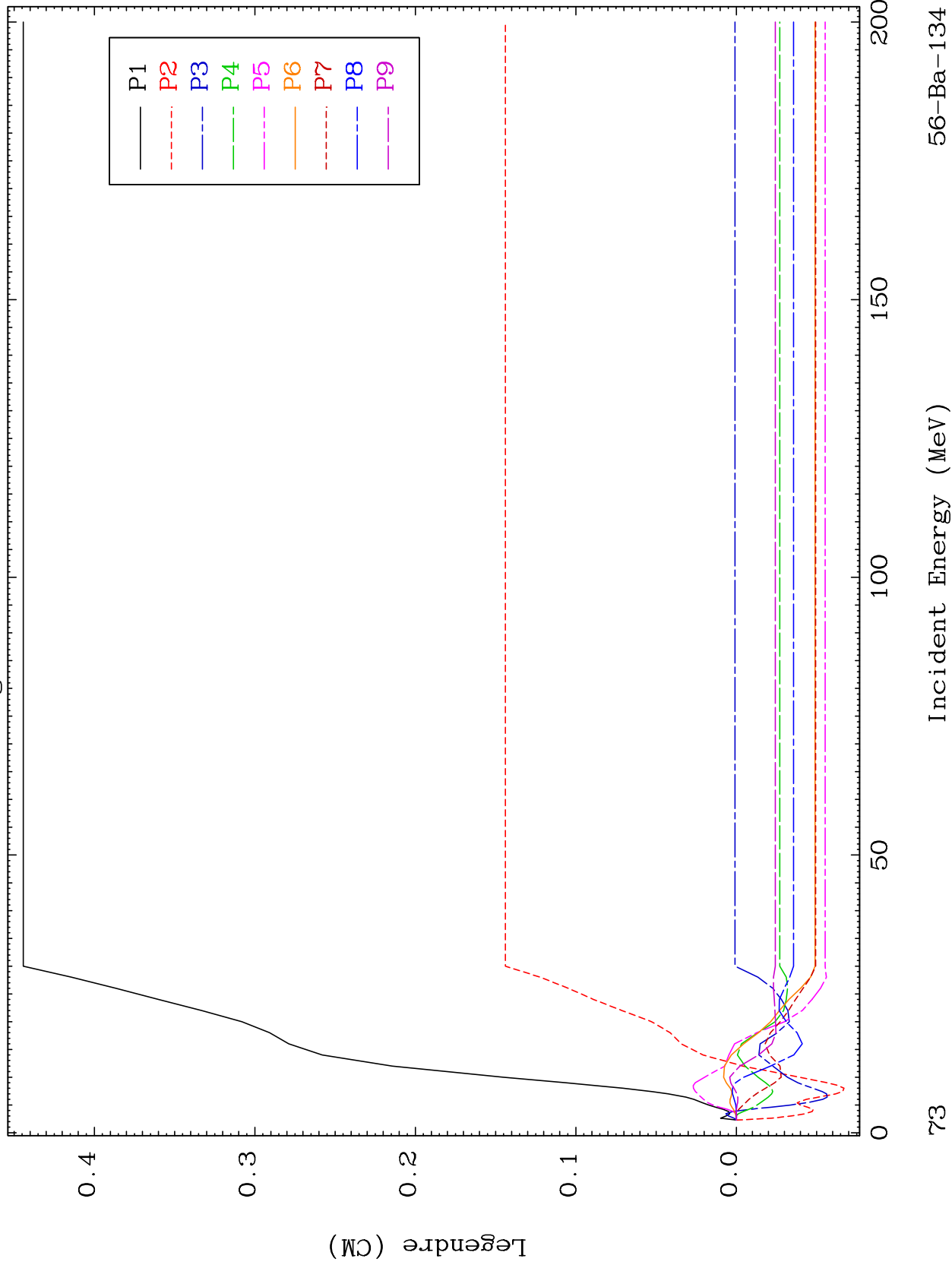
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

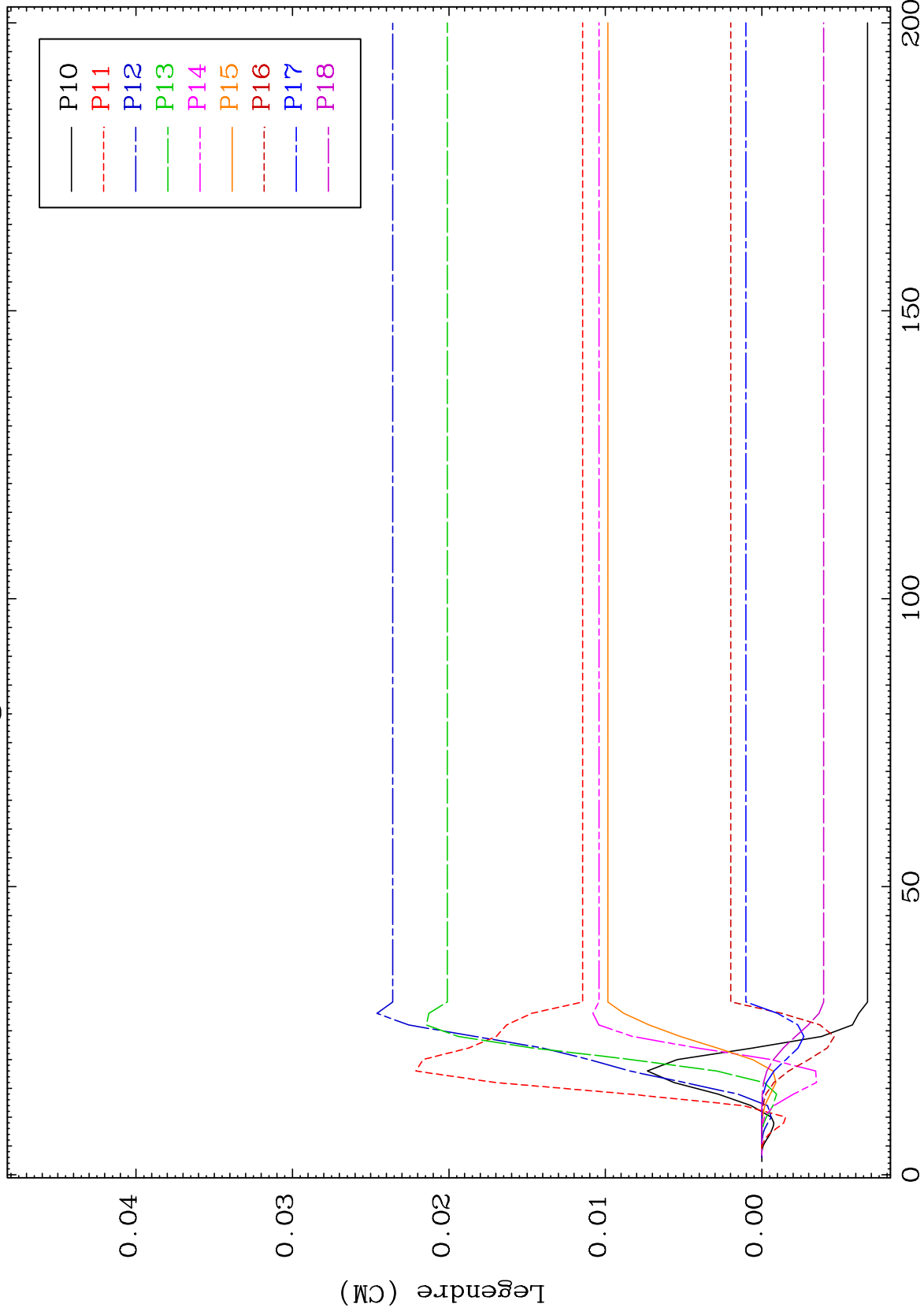
Incident Energy (MeV)

73

MAT 5637

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

56-Ba-134



74

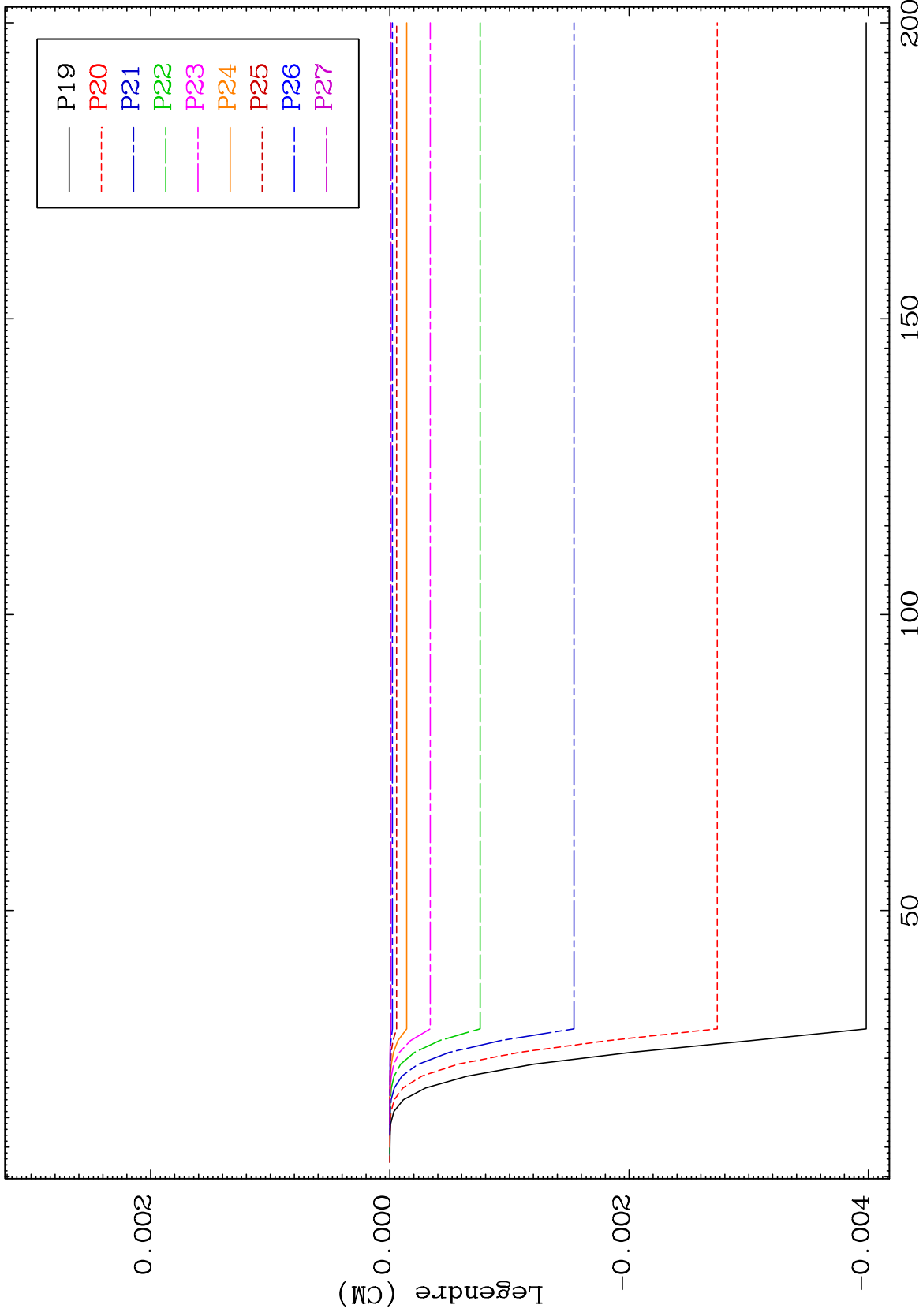
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

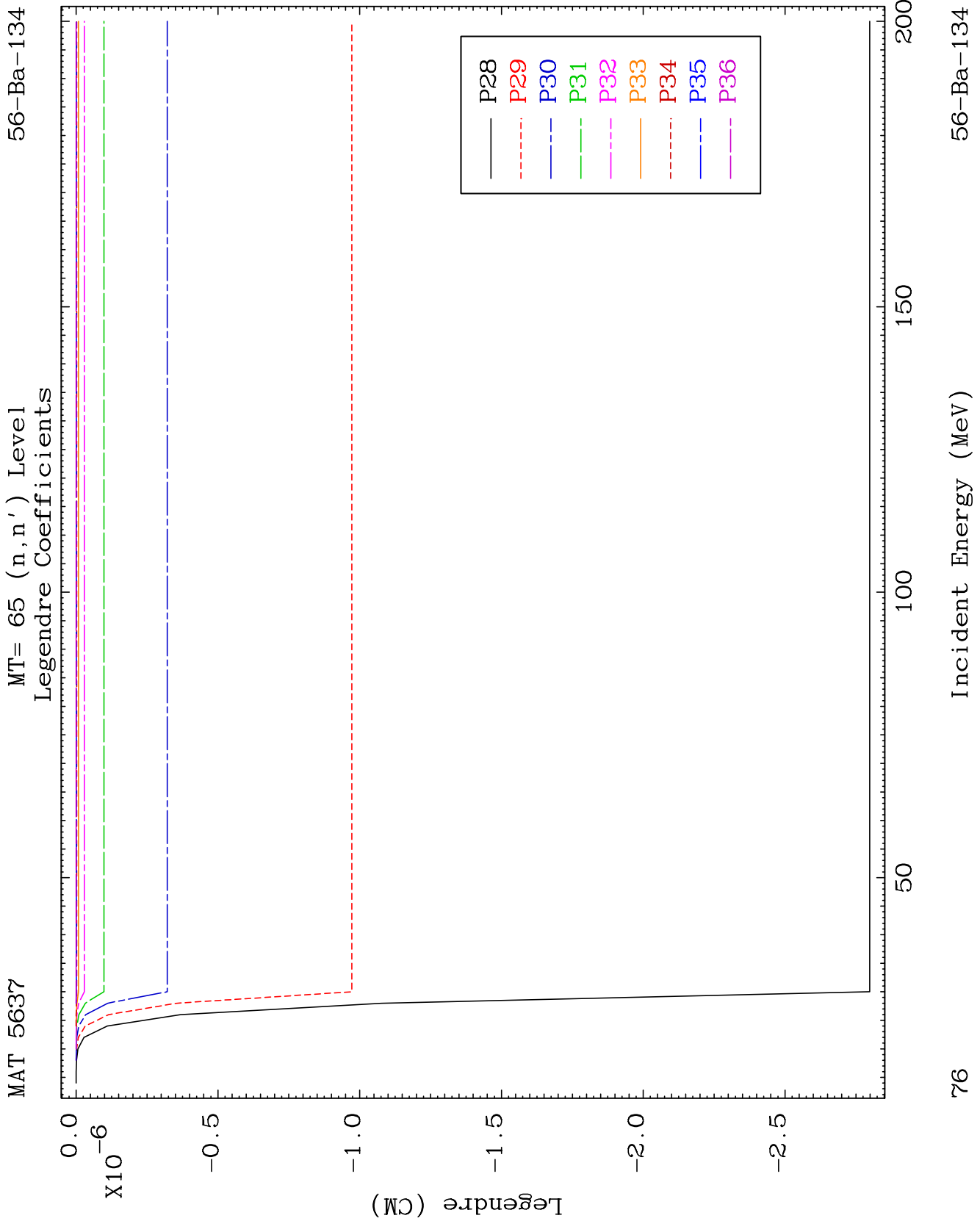
56-Ba-134



75

Incident Energy (MeV)

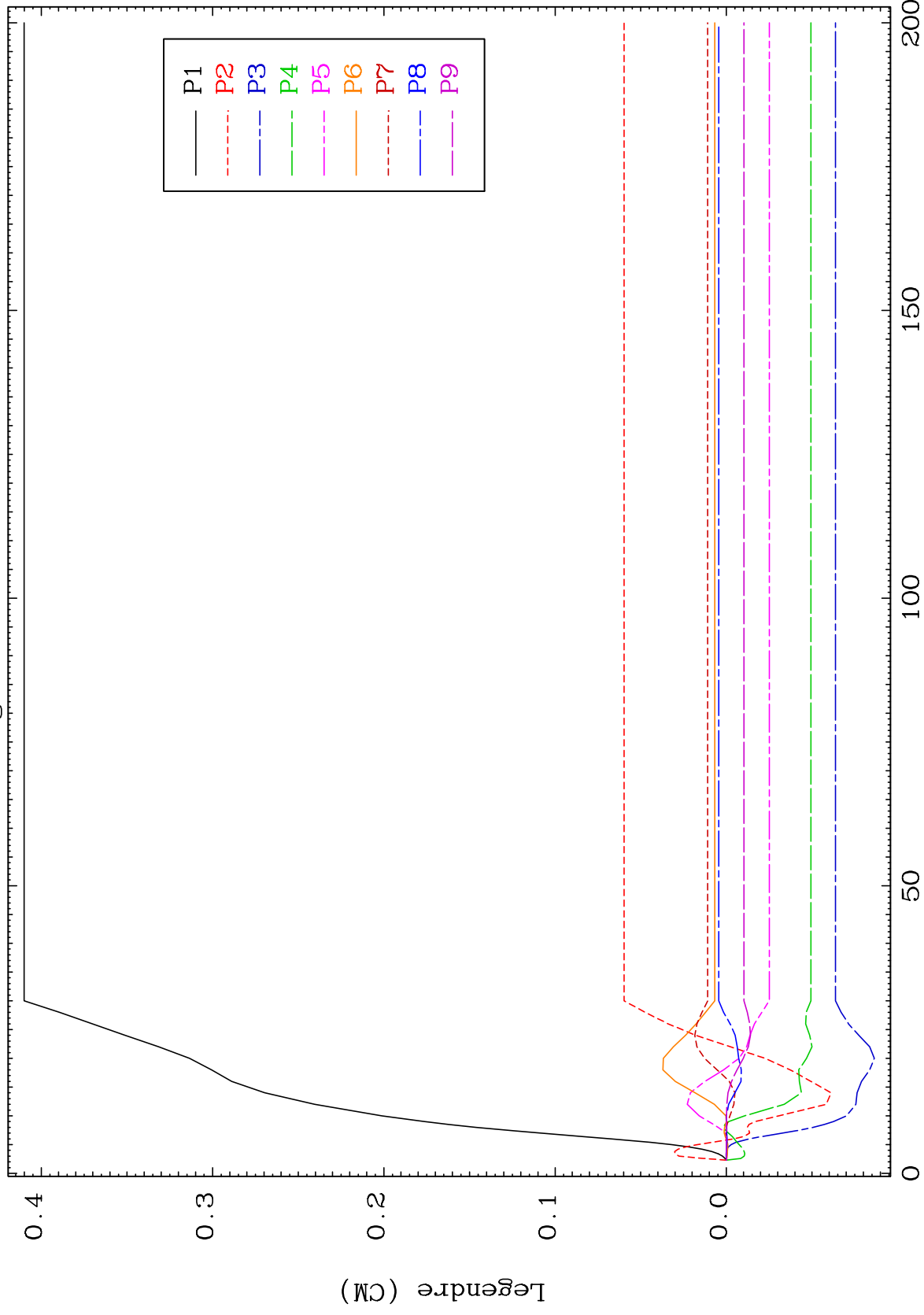
56-Ba-134



MAT 5637

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

56-Ba-134



77

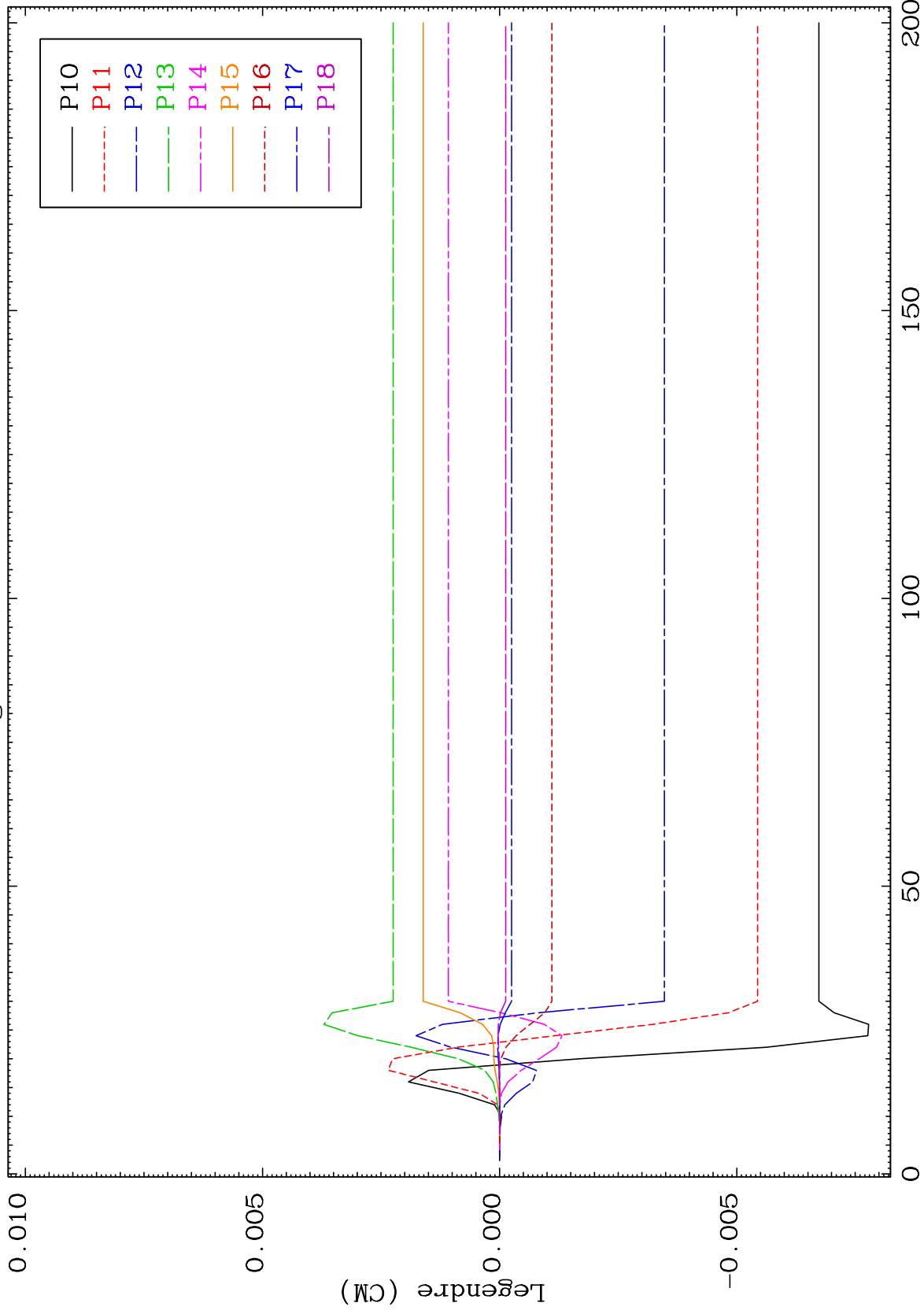
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



78

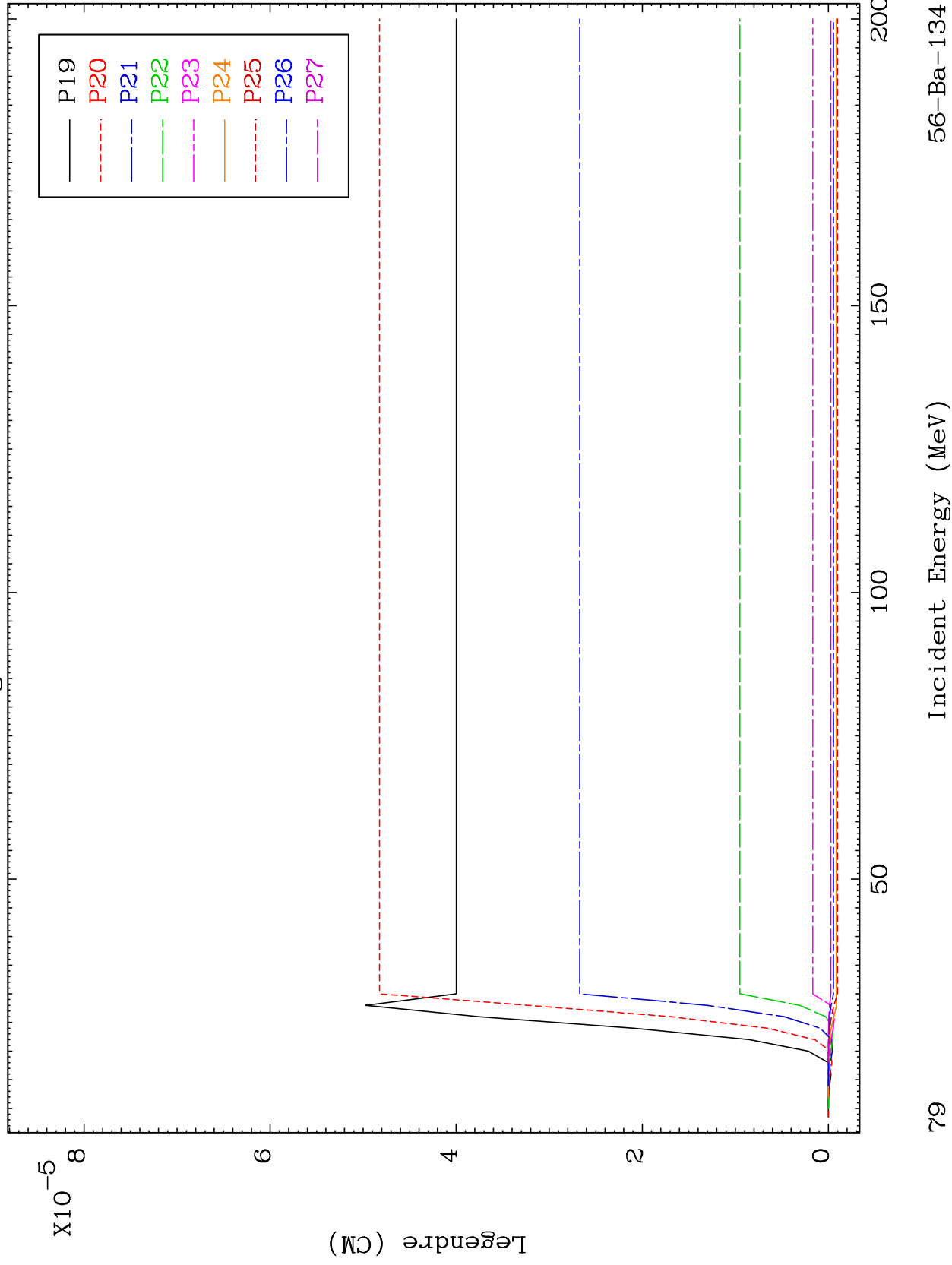
Incident Energy (MeV)

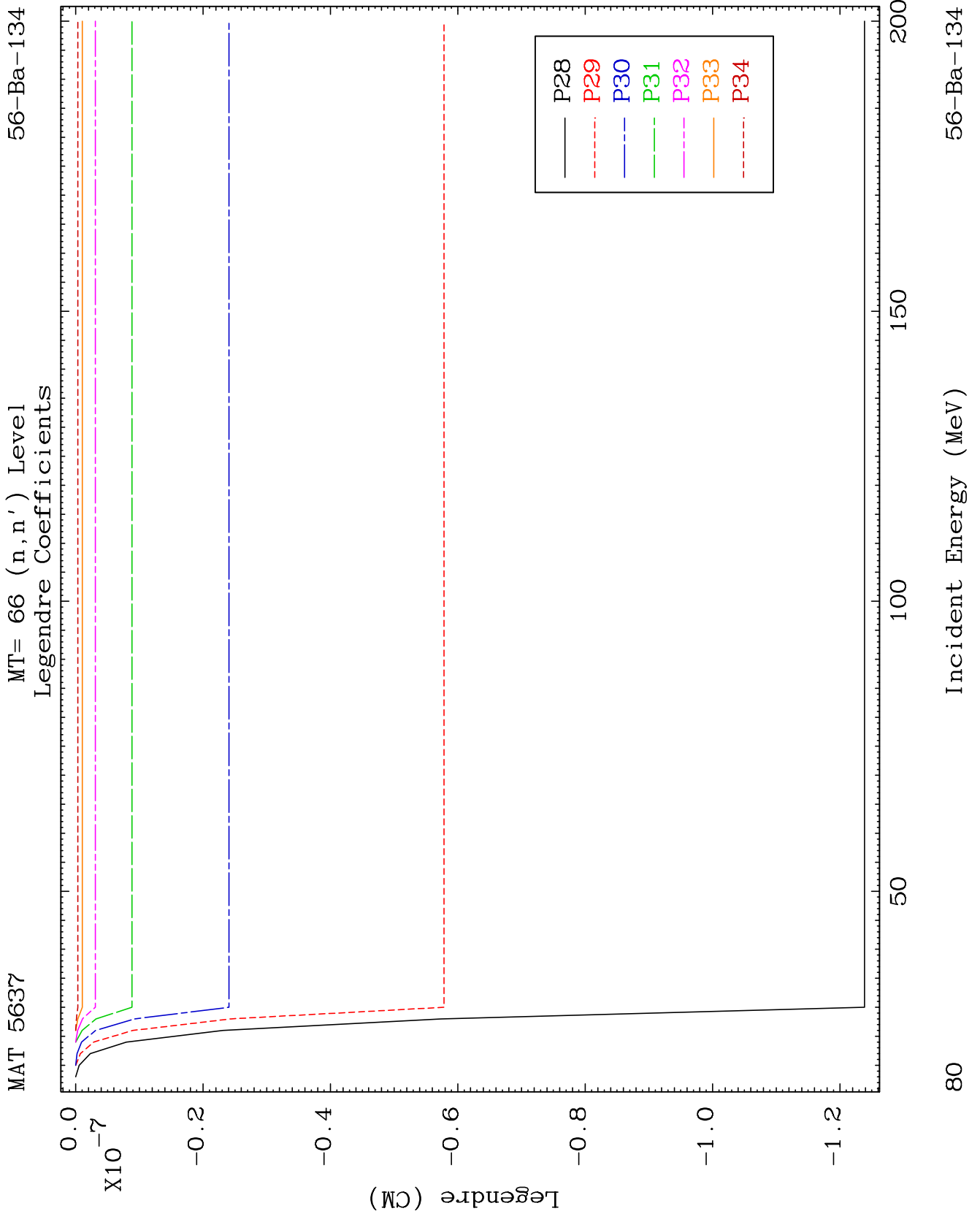
56-Ba-134

MAT 5637

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

56-Ba-134

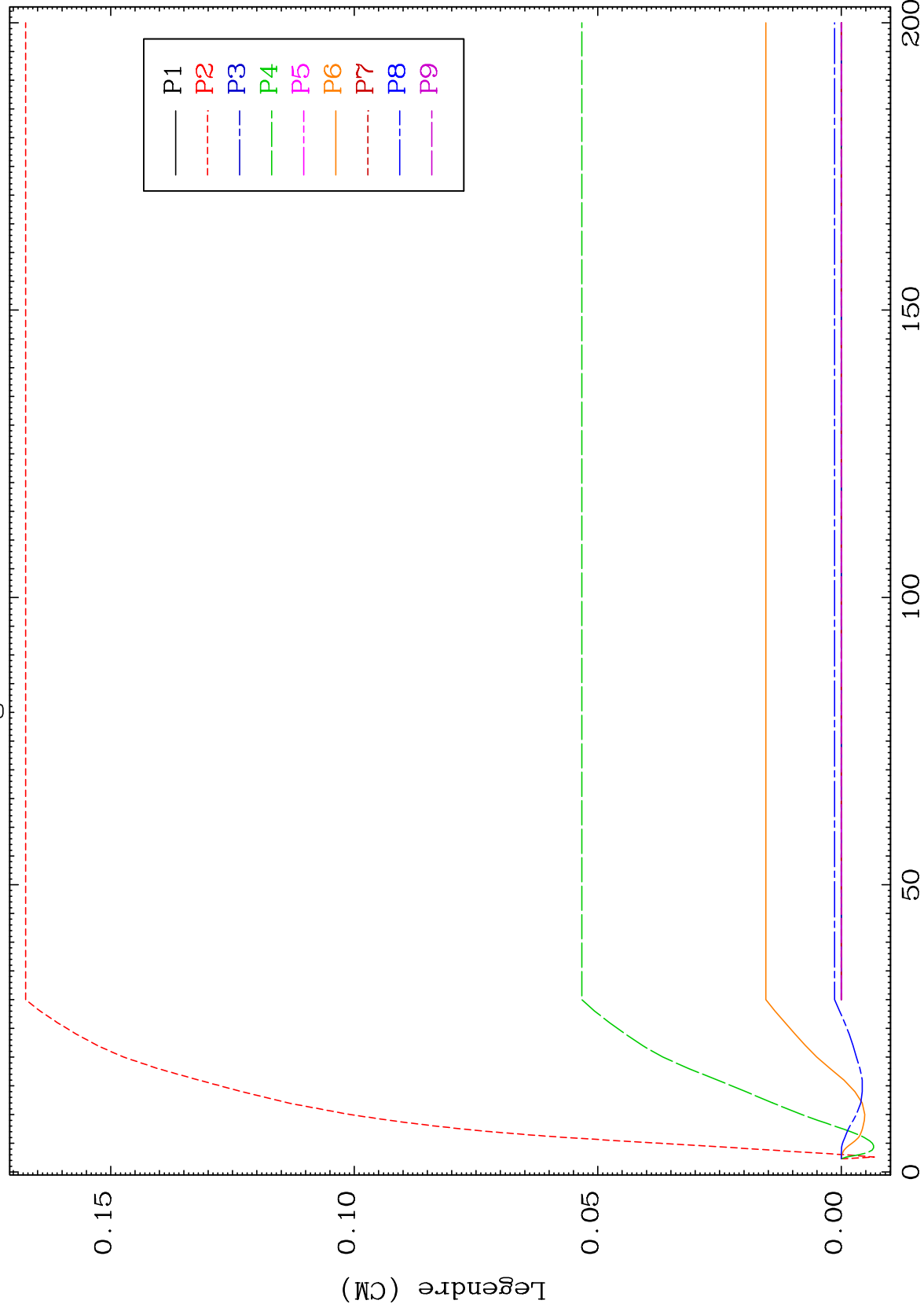




MAT 5637

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

56-Ba-134



81

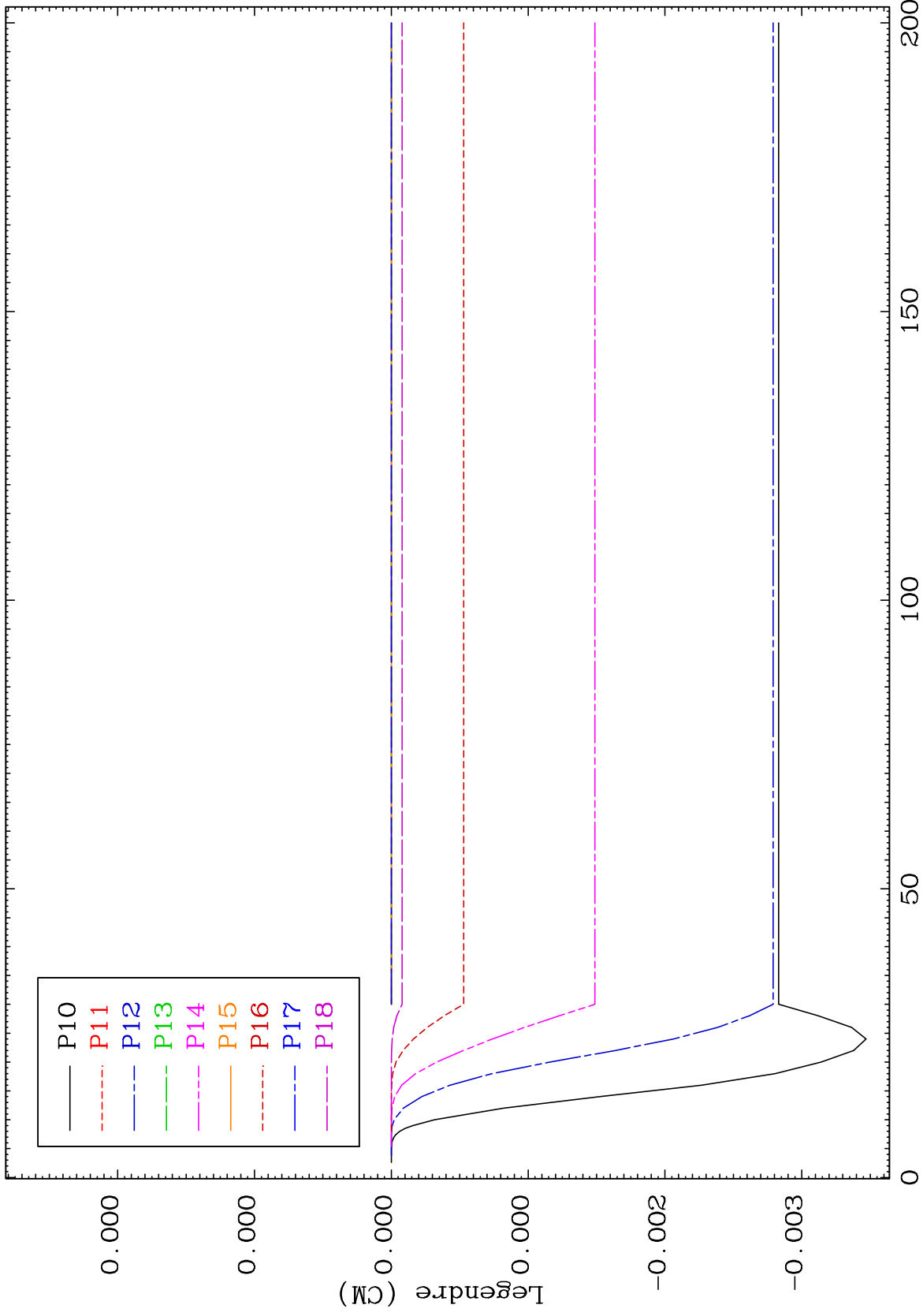
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



82

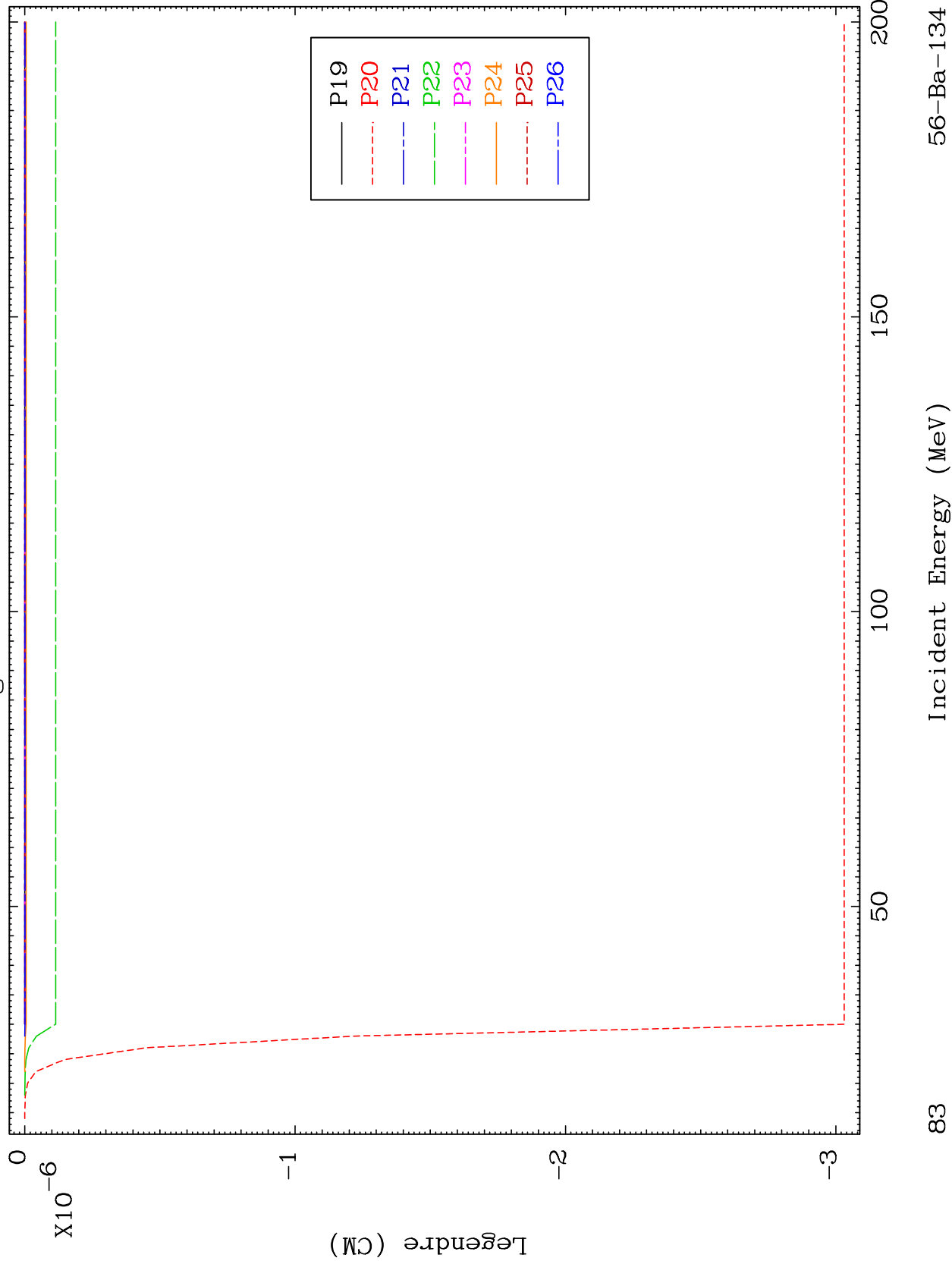
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



83

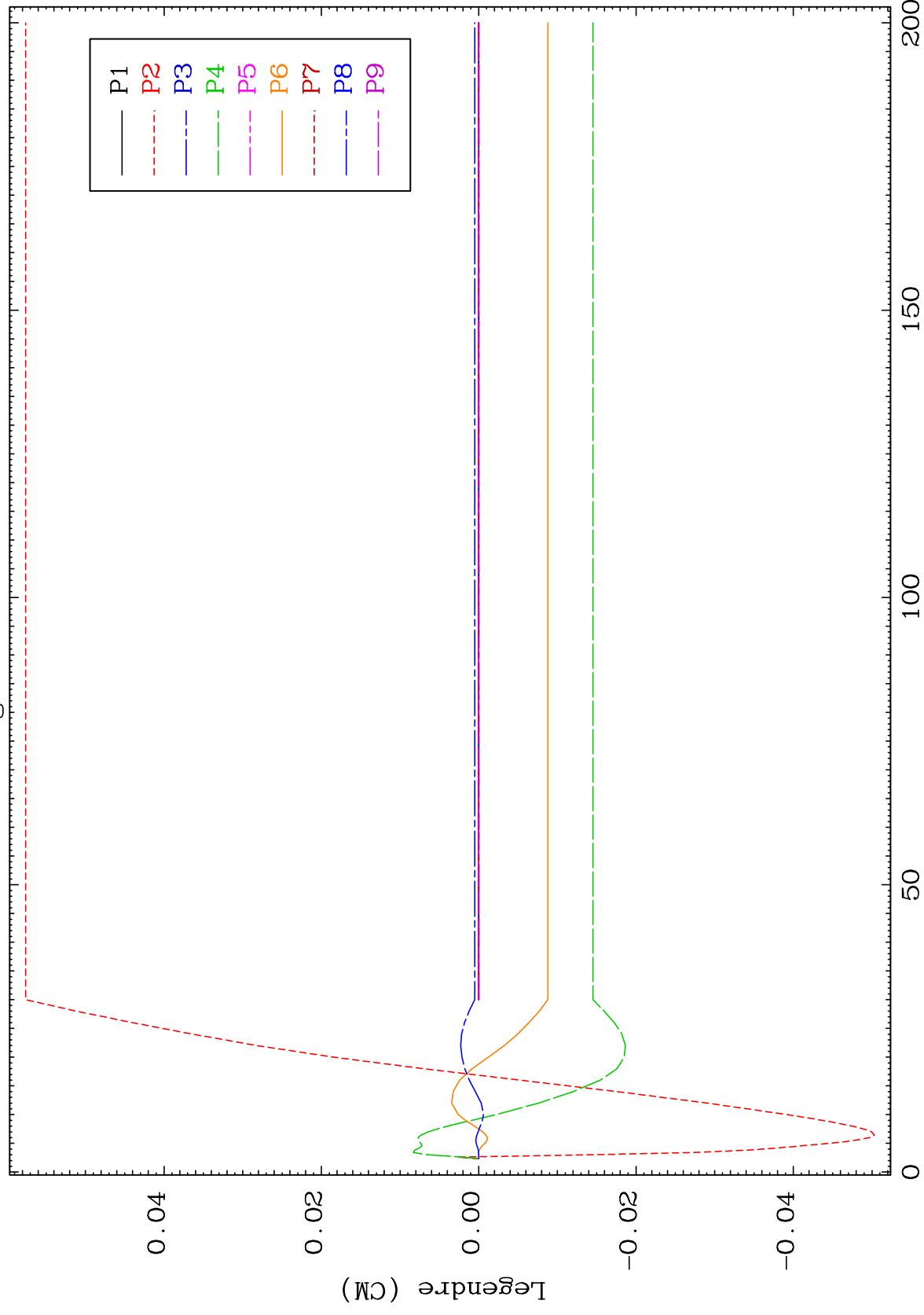
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



84

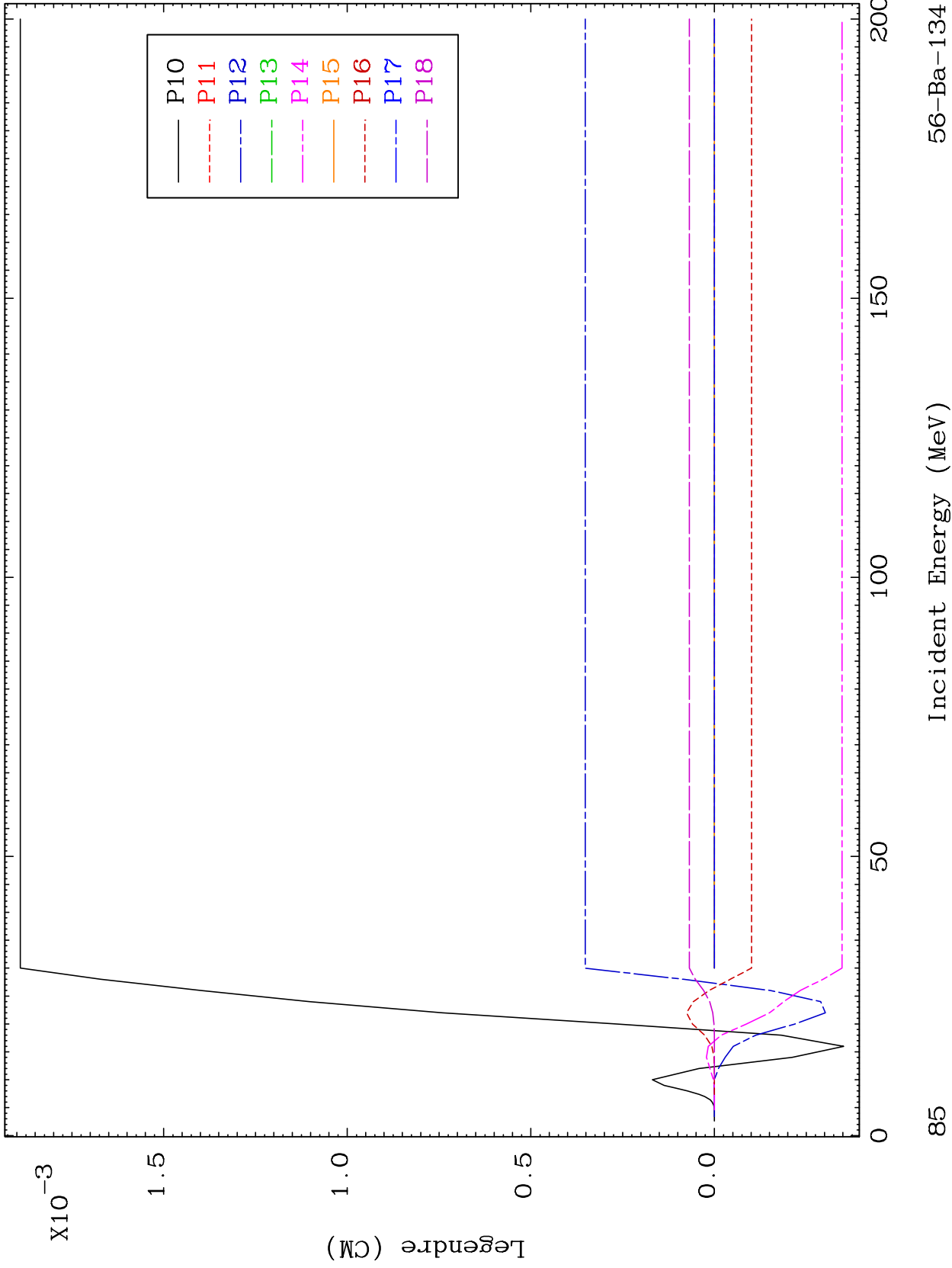
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



85

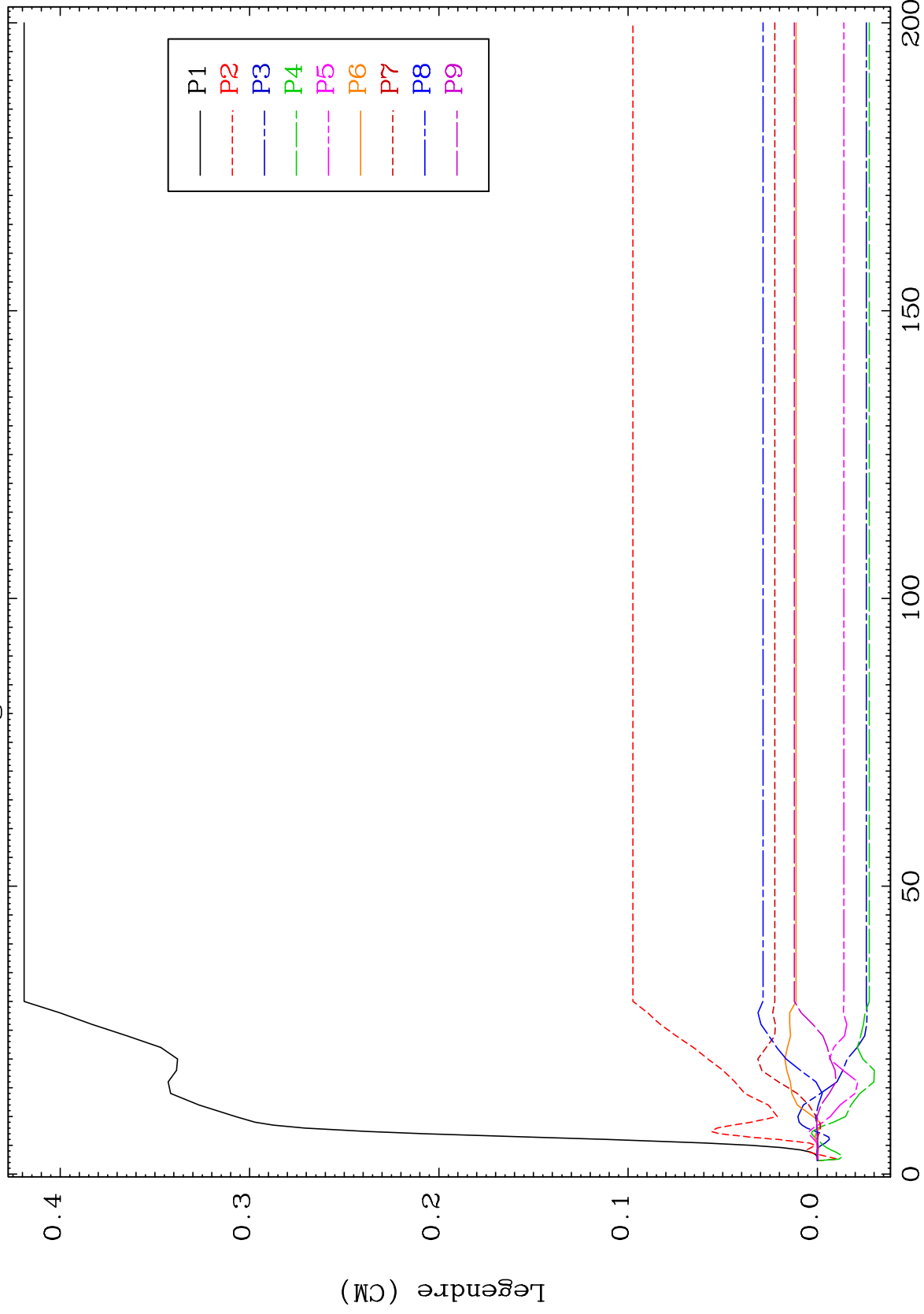
56-Ba-134

200

MAT 5637

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

56-Ba-134



87

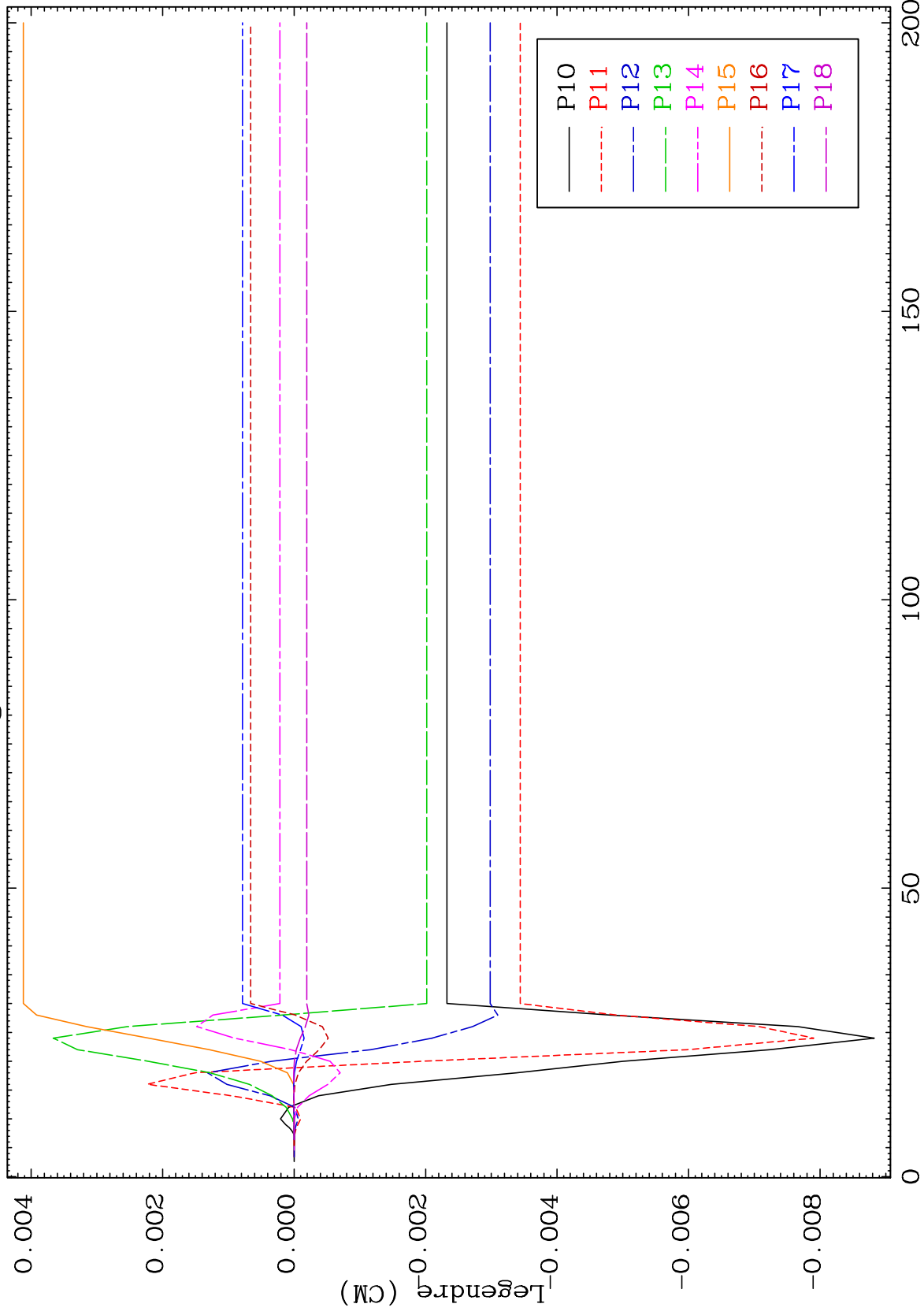
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

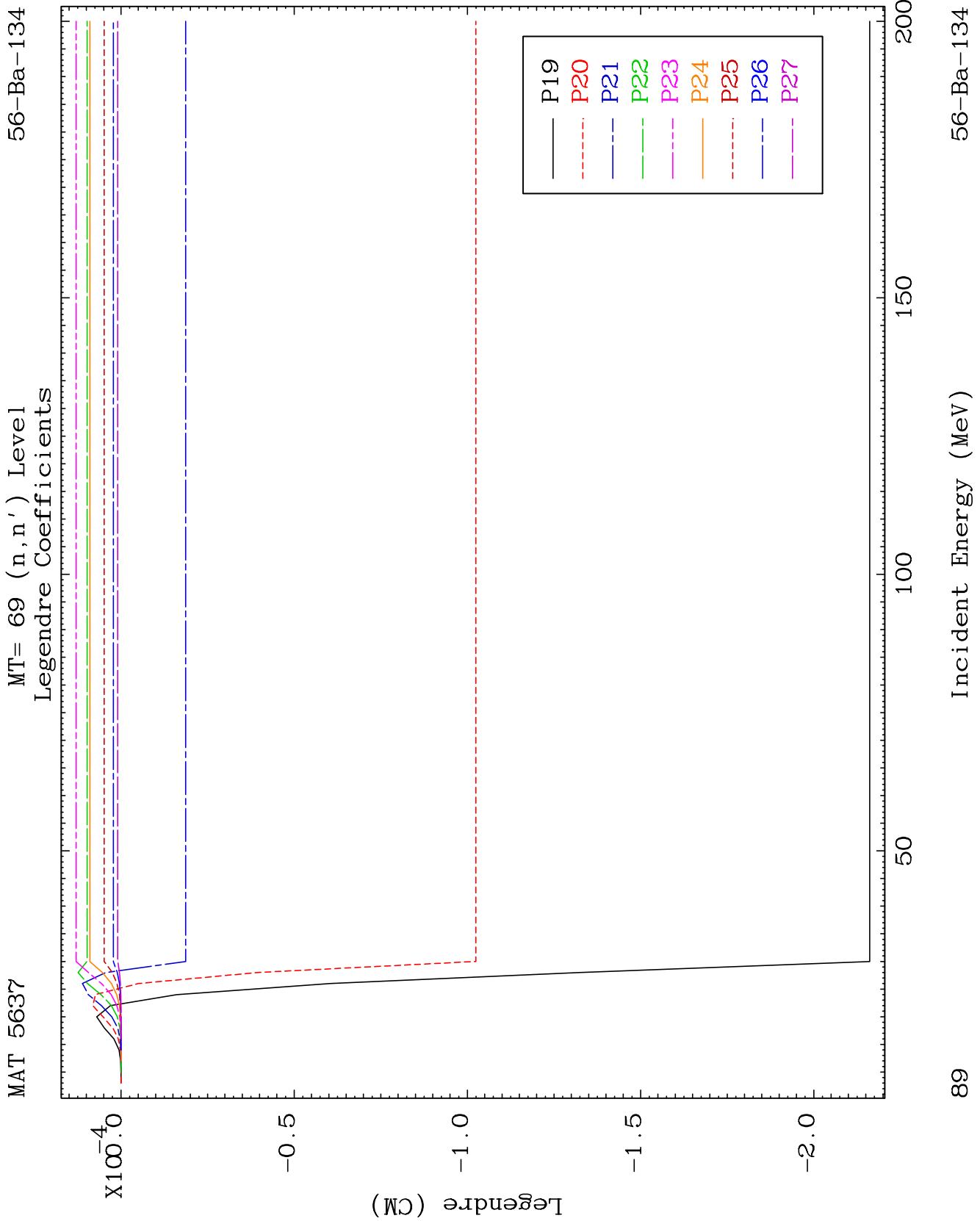
56-Ba-134



88

Incident Energy (MeV)

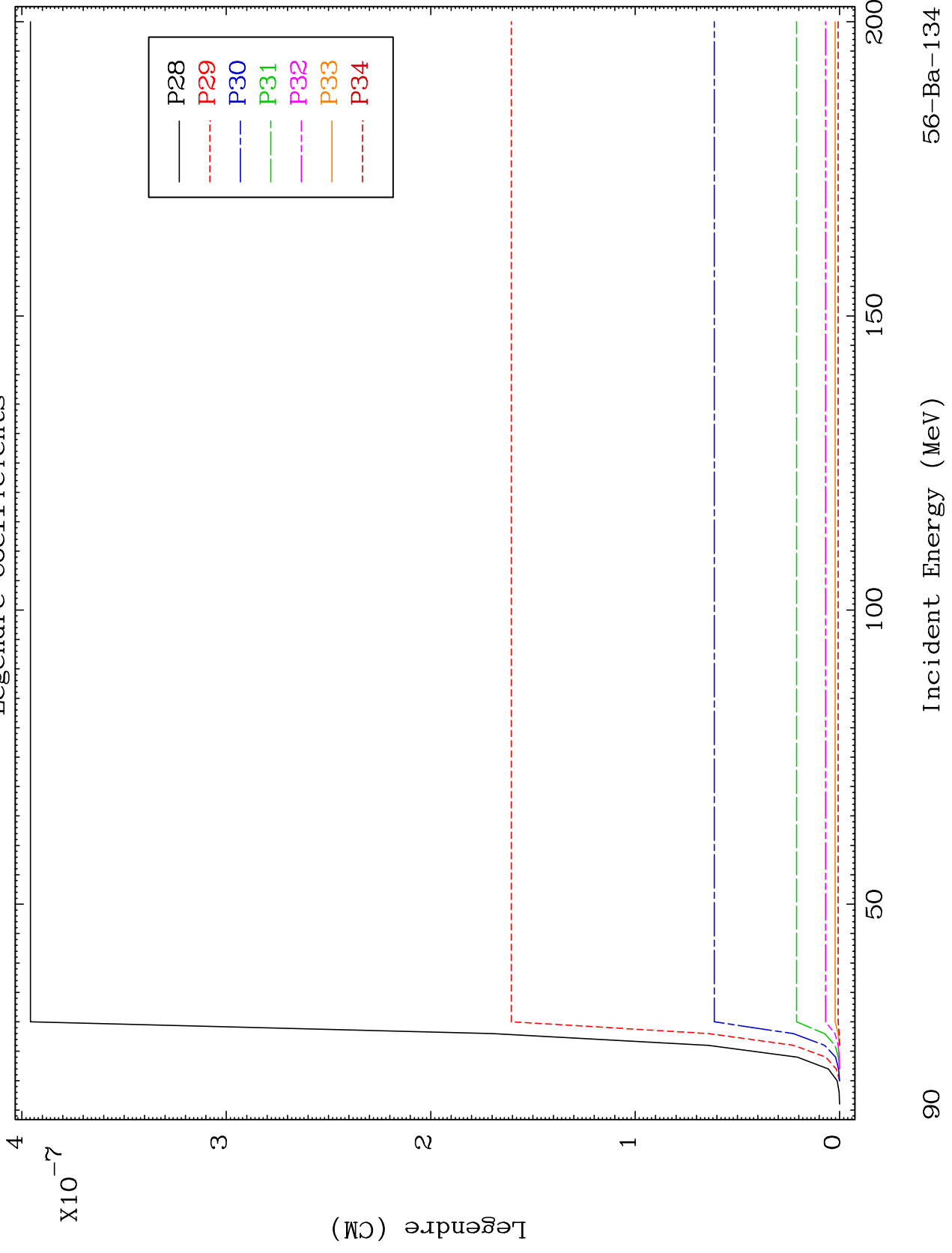
56-Ba-134



MAT 5637

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

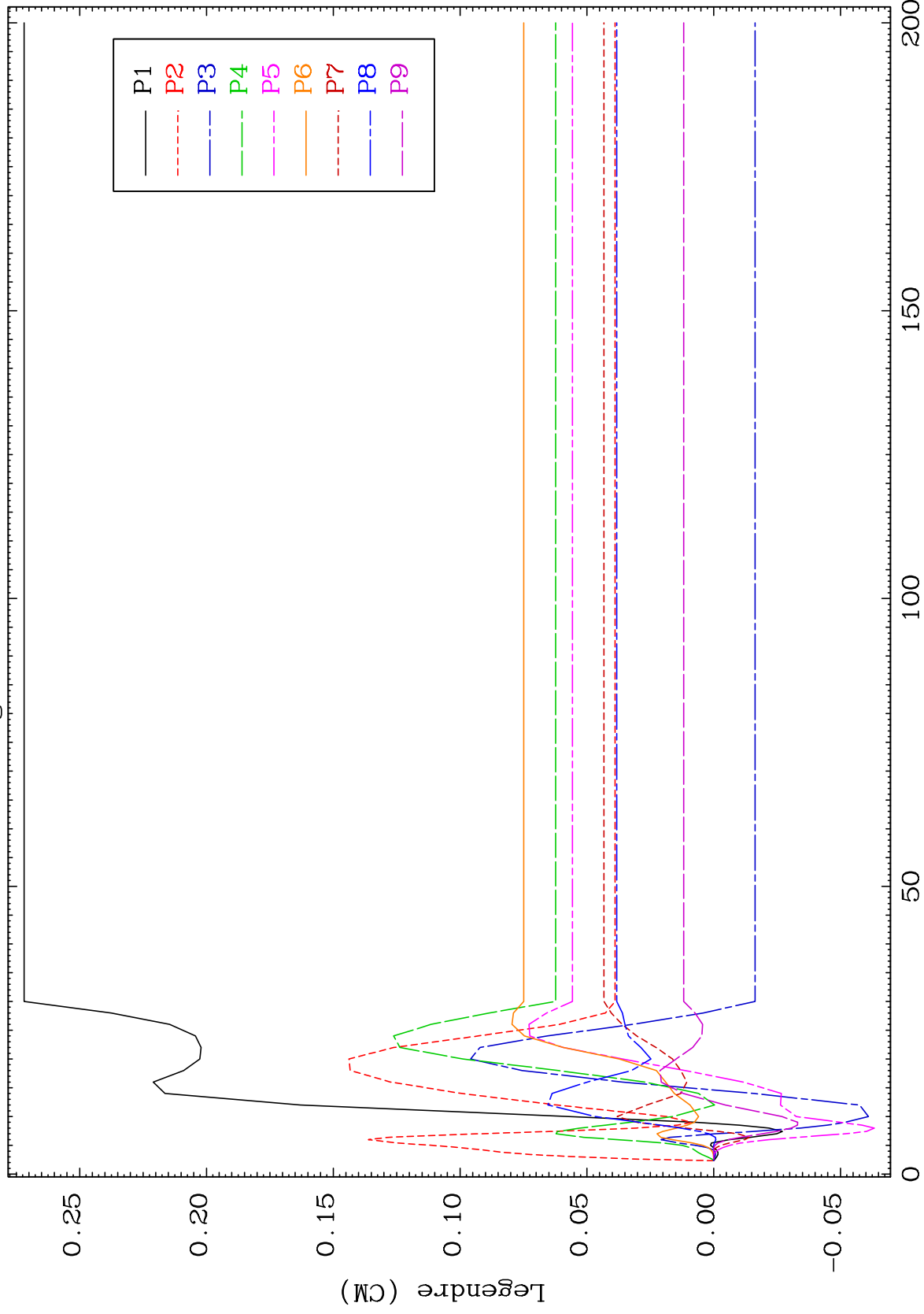
56-Ba-134



MAT 5637

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

56-Ba-134



91

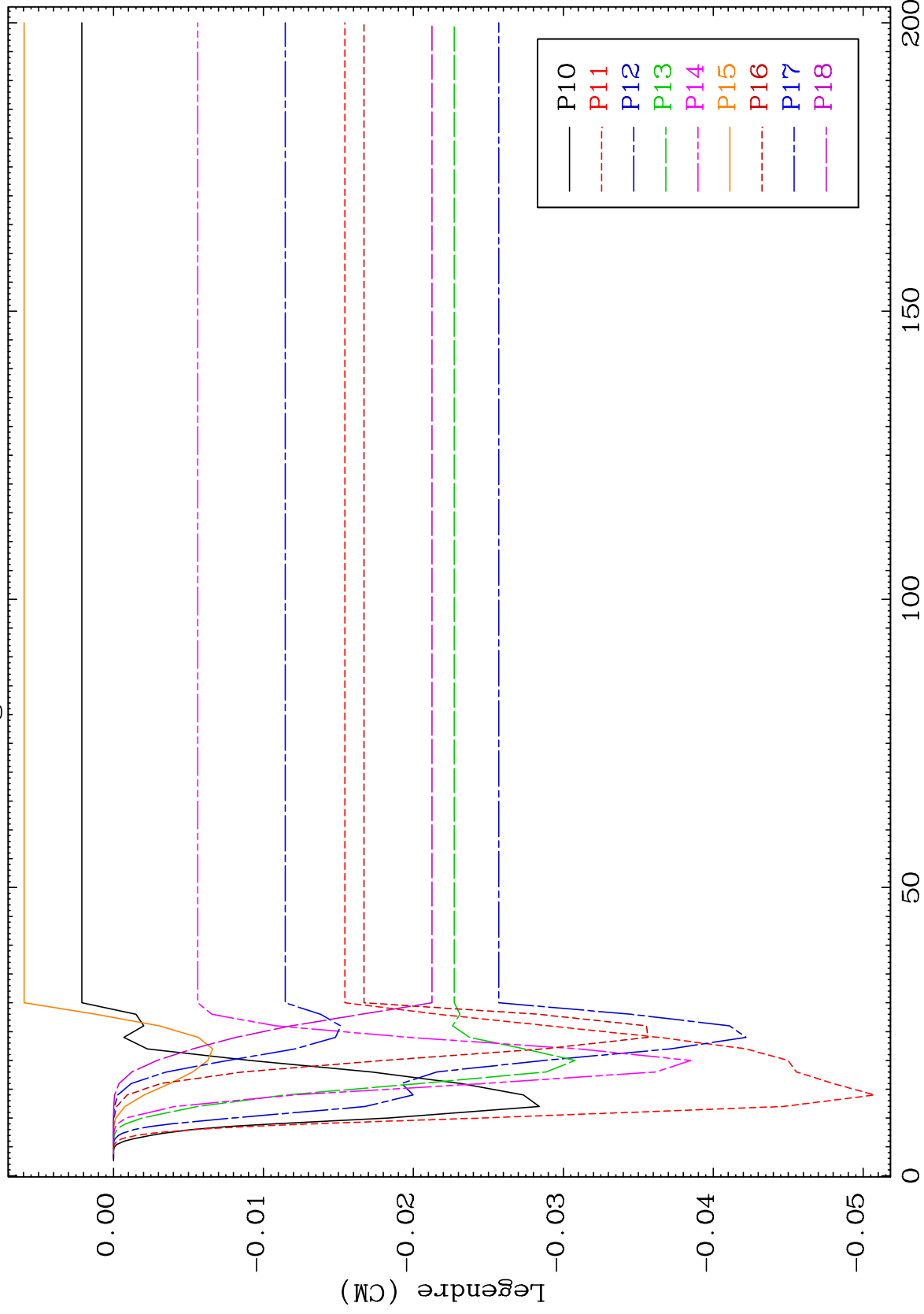
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

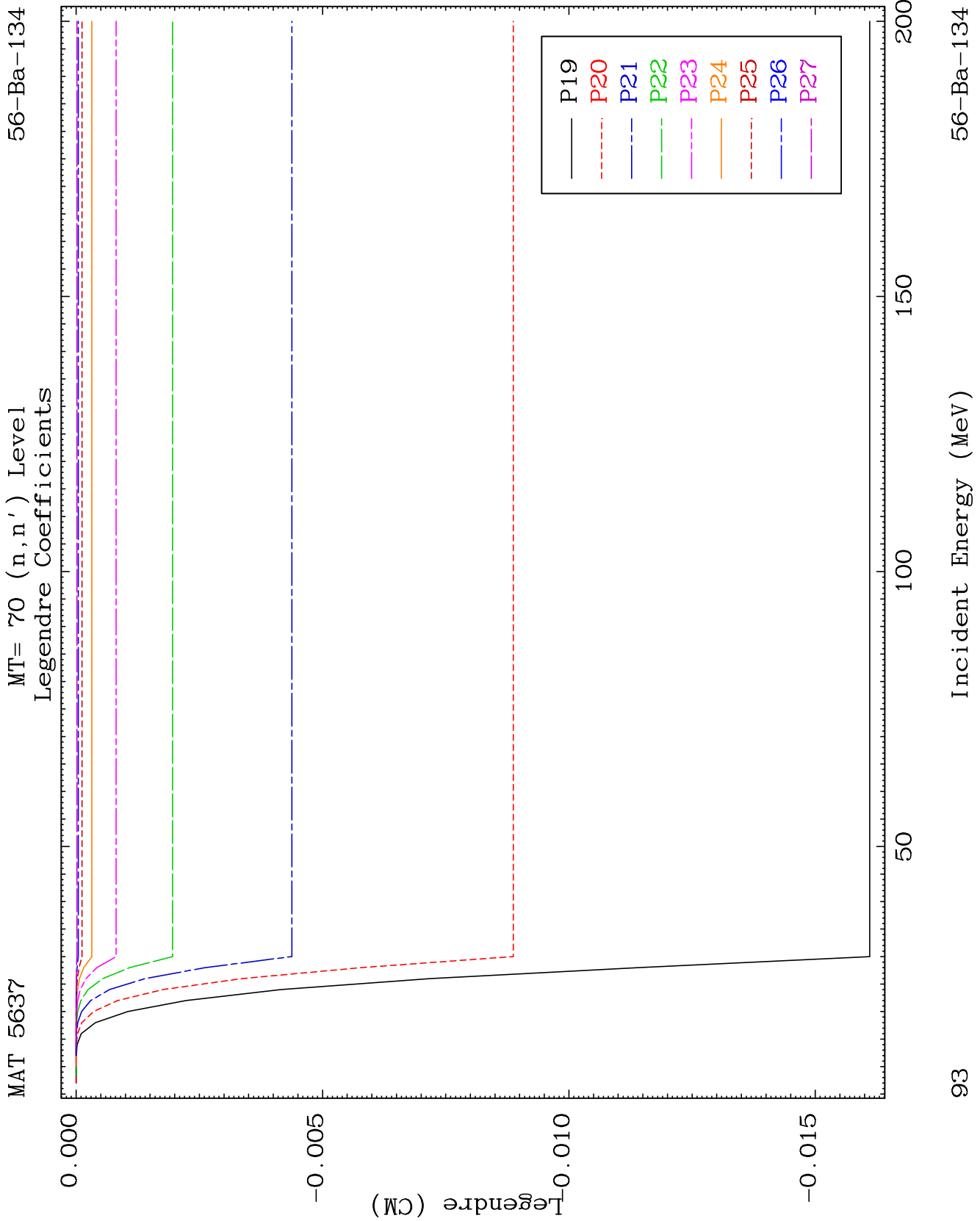
56-Ba-134



92

Incident Energy (MeV)

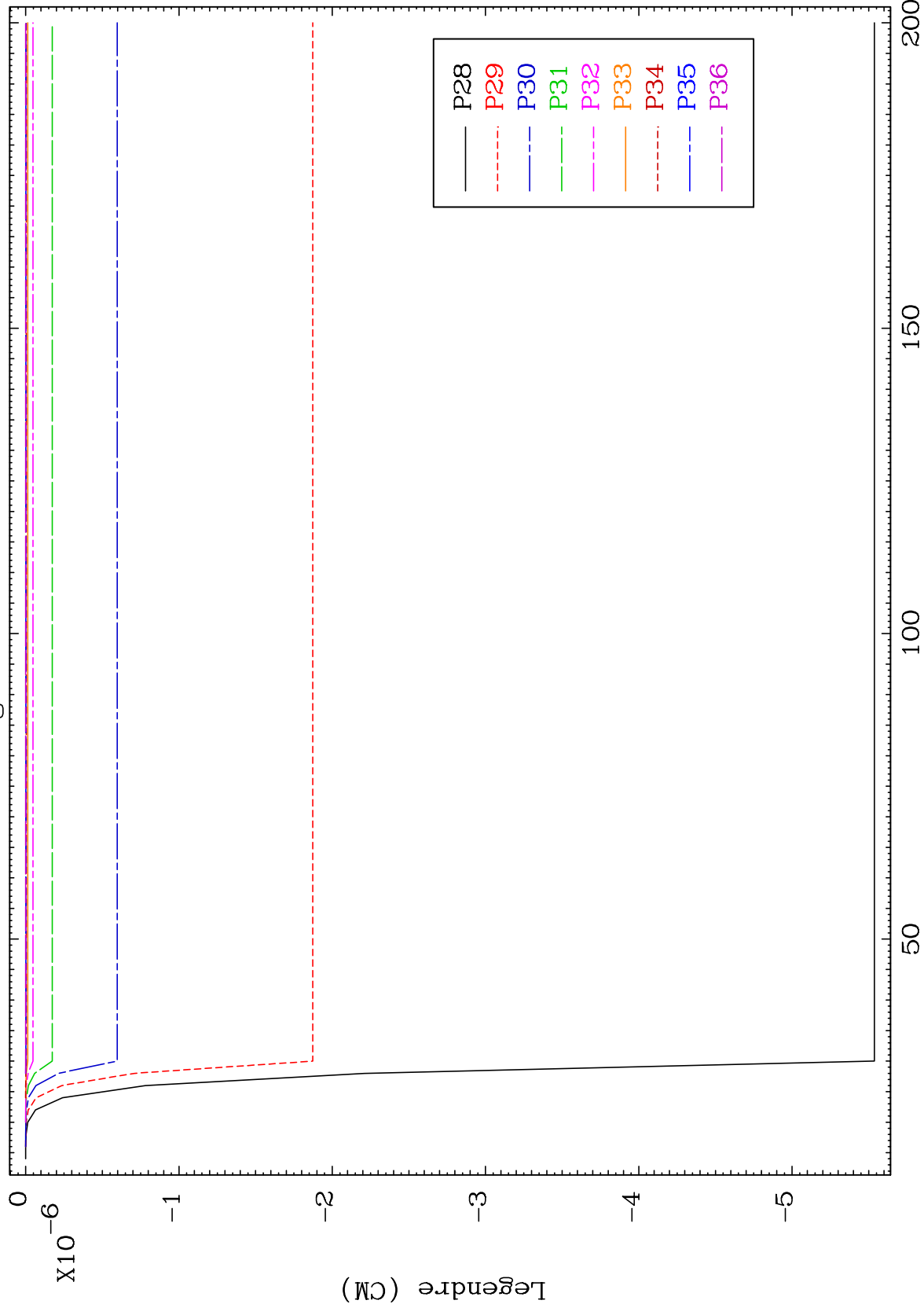
56-Ba-134



MAT 5637

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

56-Ba-134



94

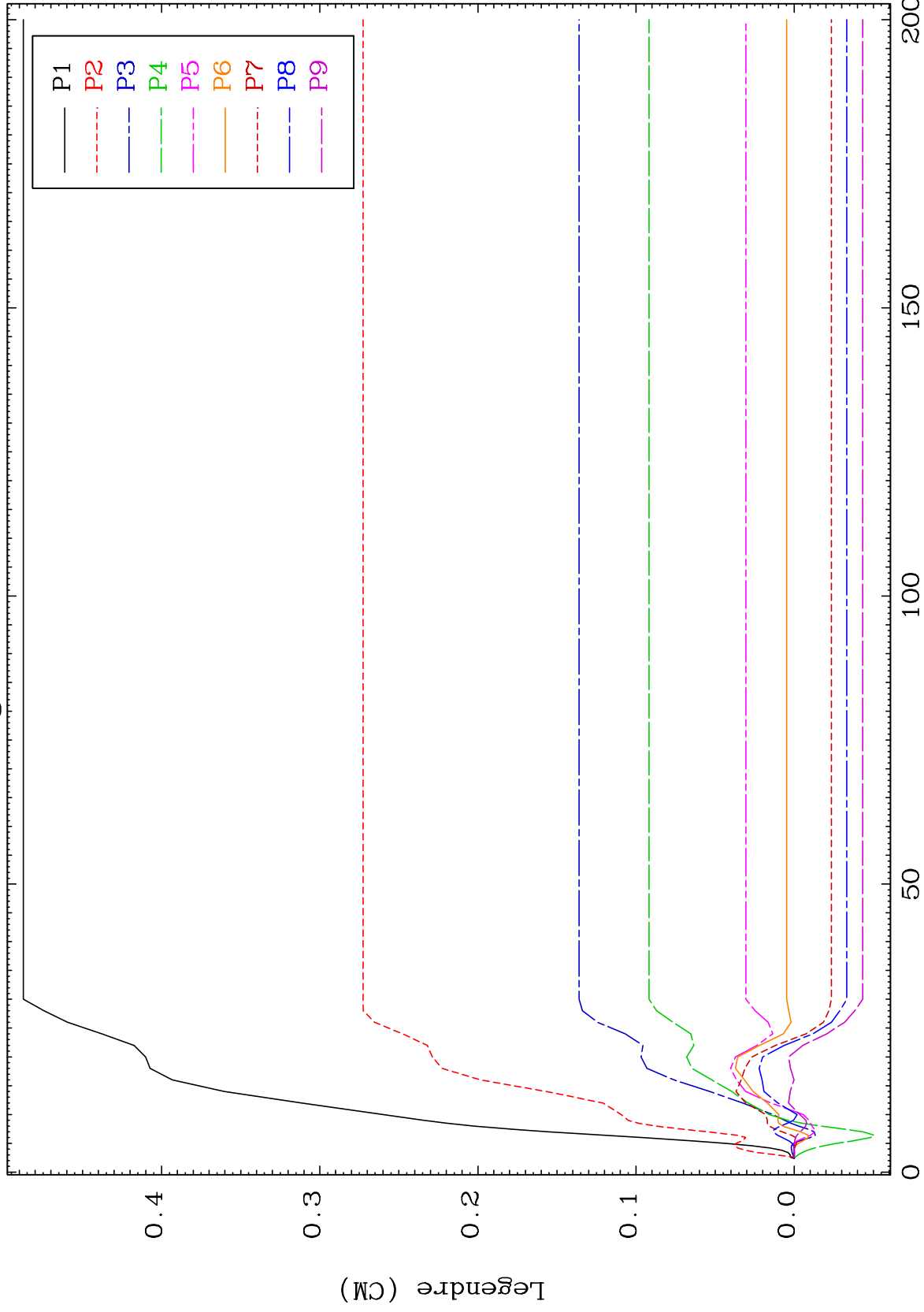
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



95

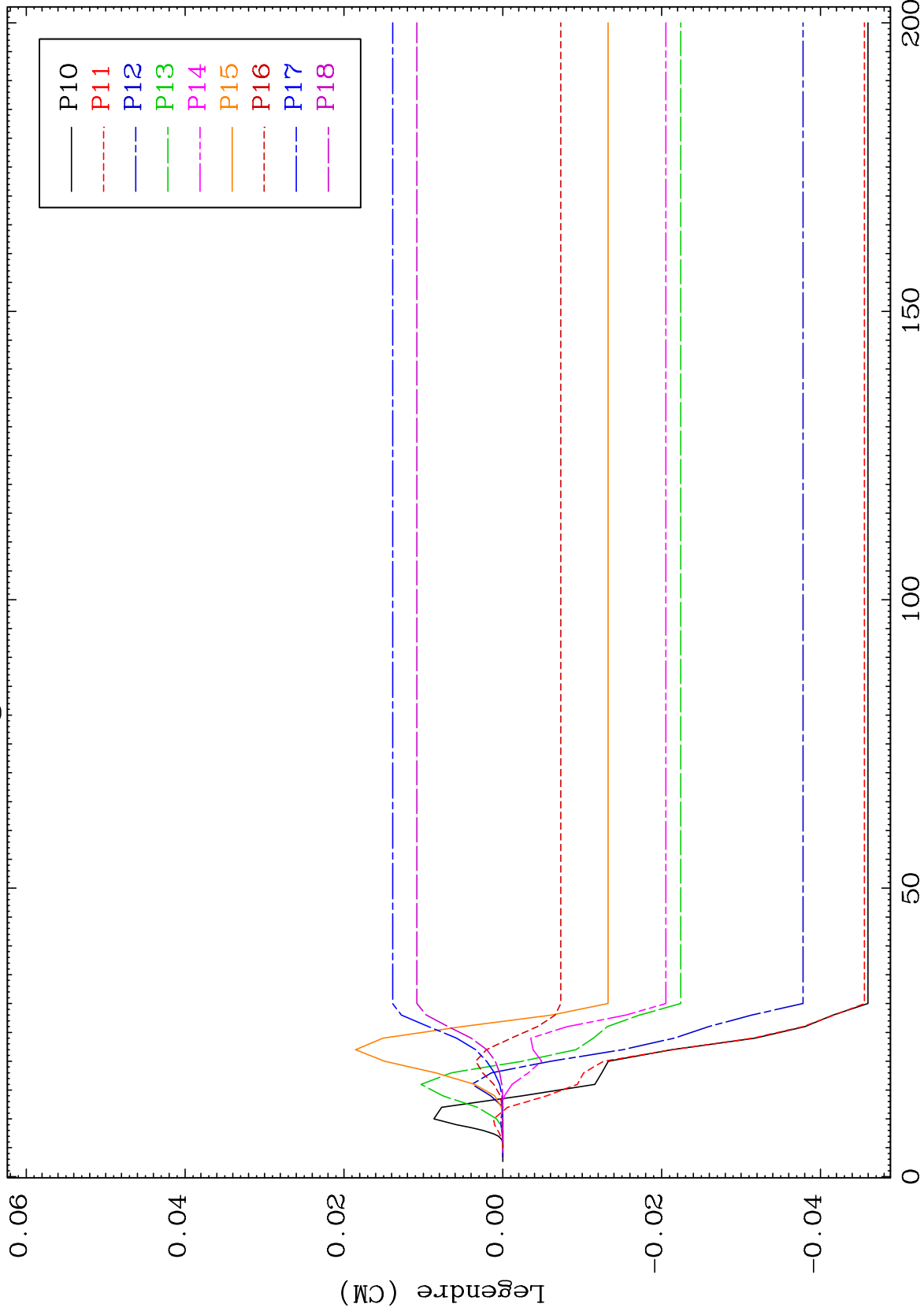
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



96

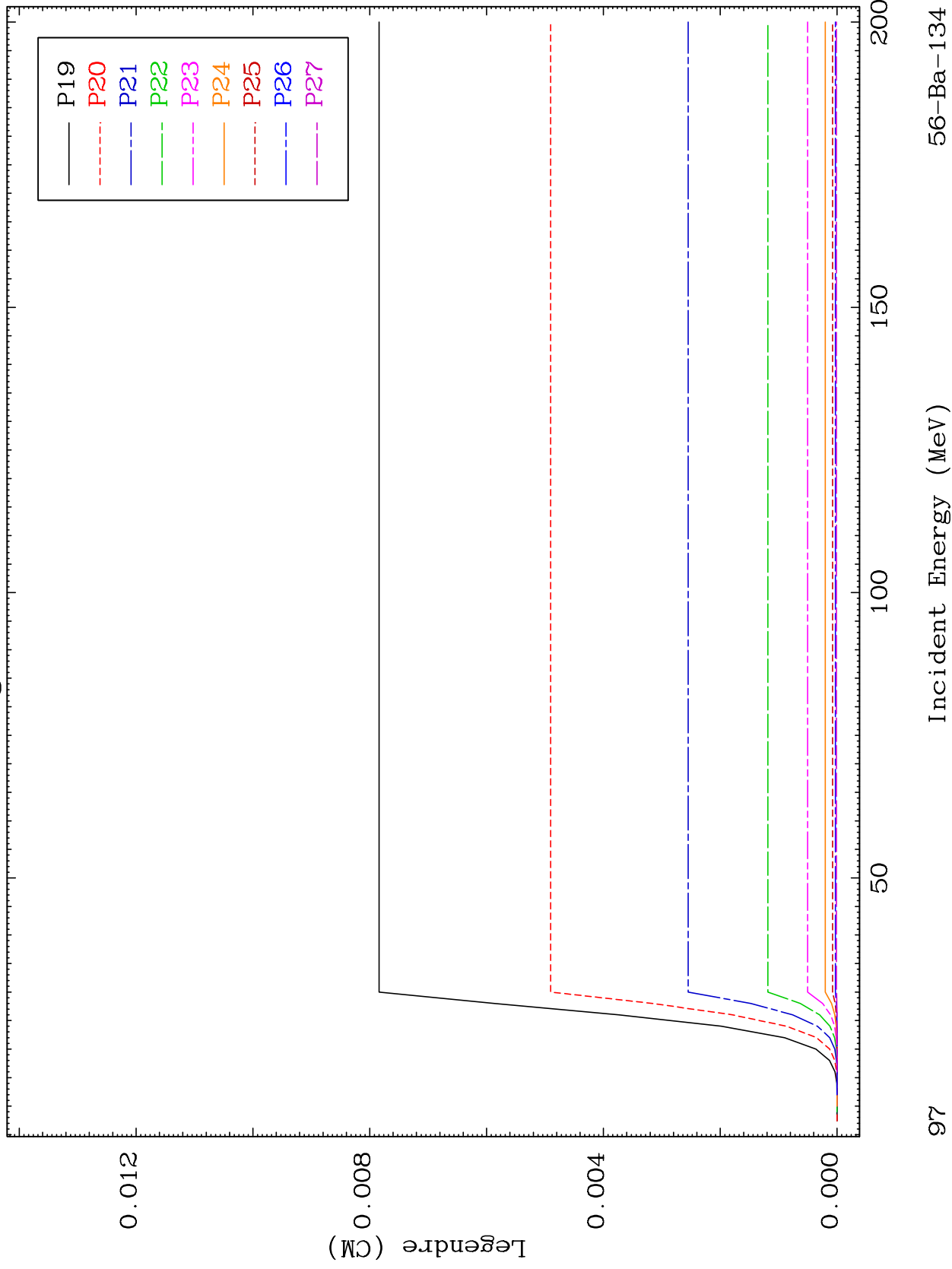
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



97

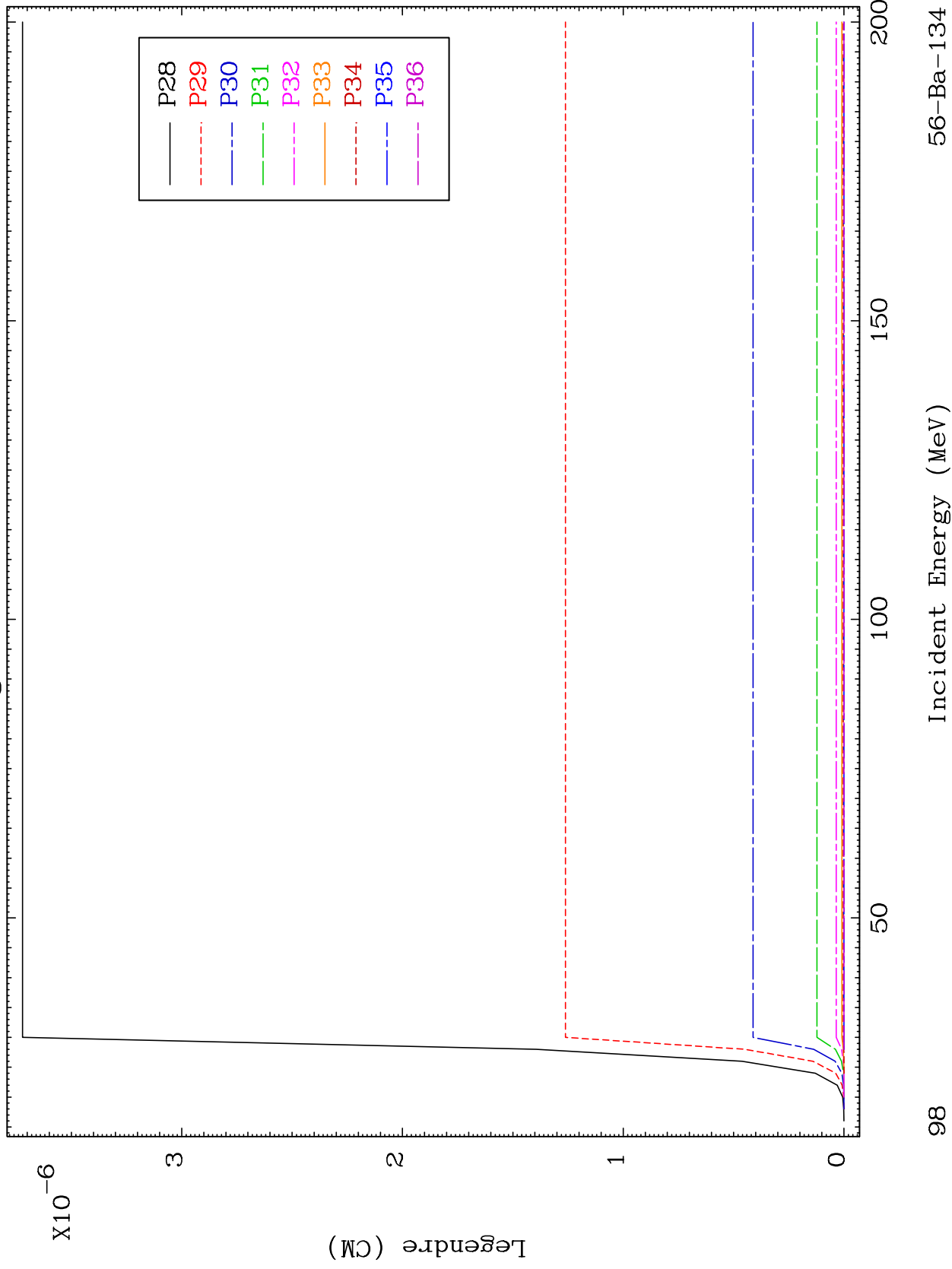
Incident Energy (MeV)

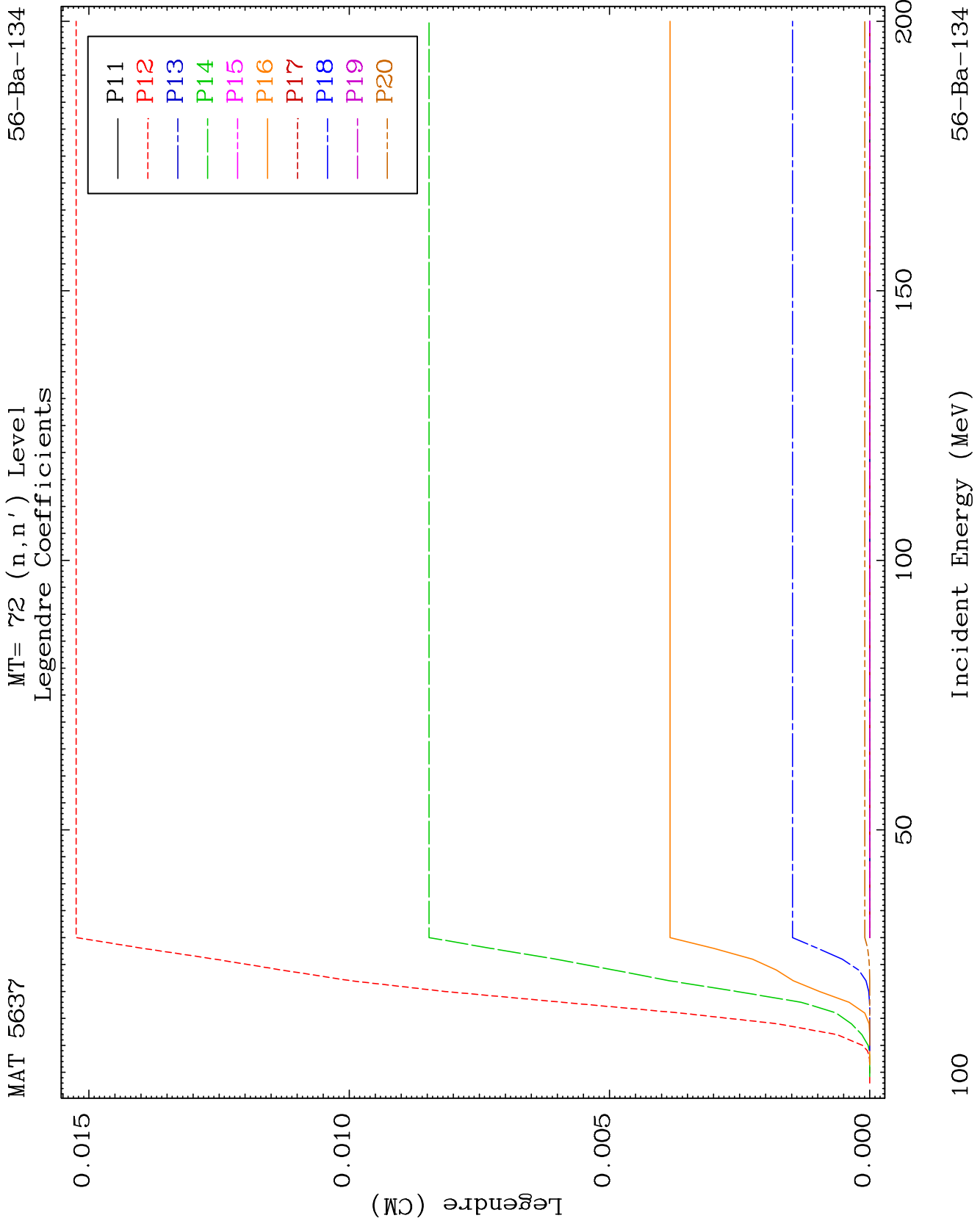
56-Ba-134

MAT 5637

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

56-Ba-134

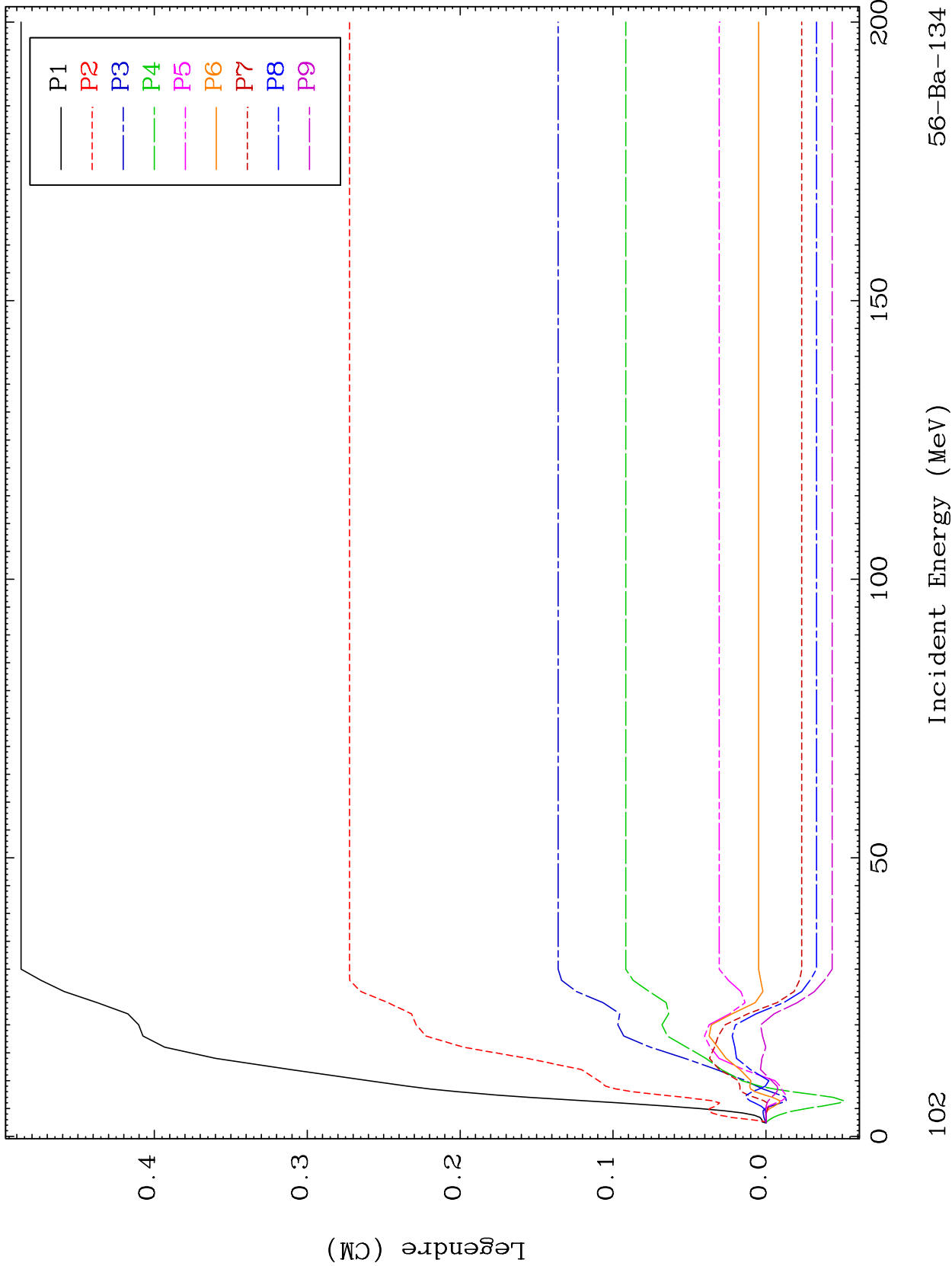




MAT 5637

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

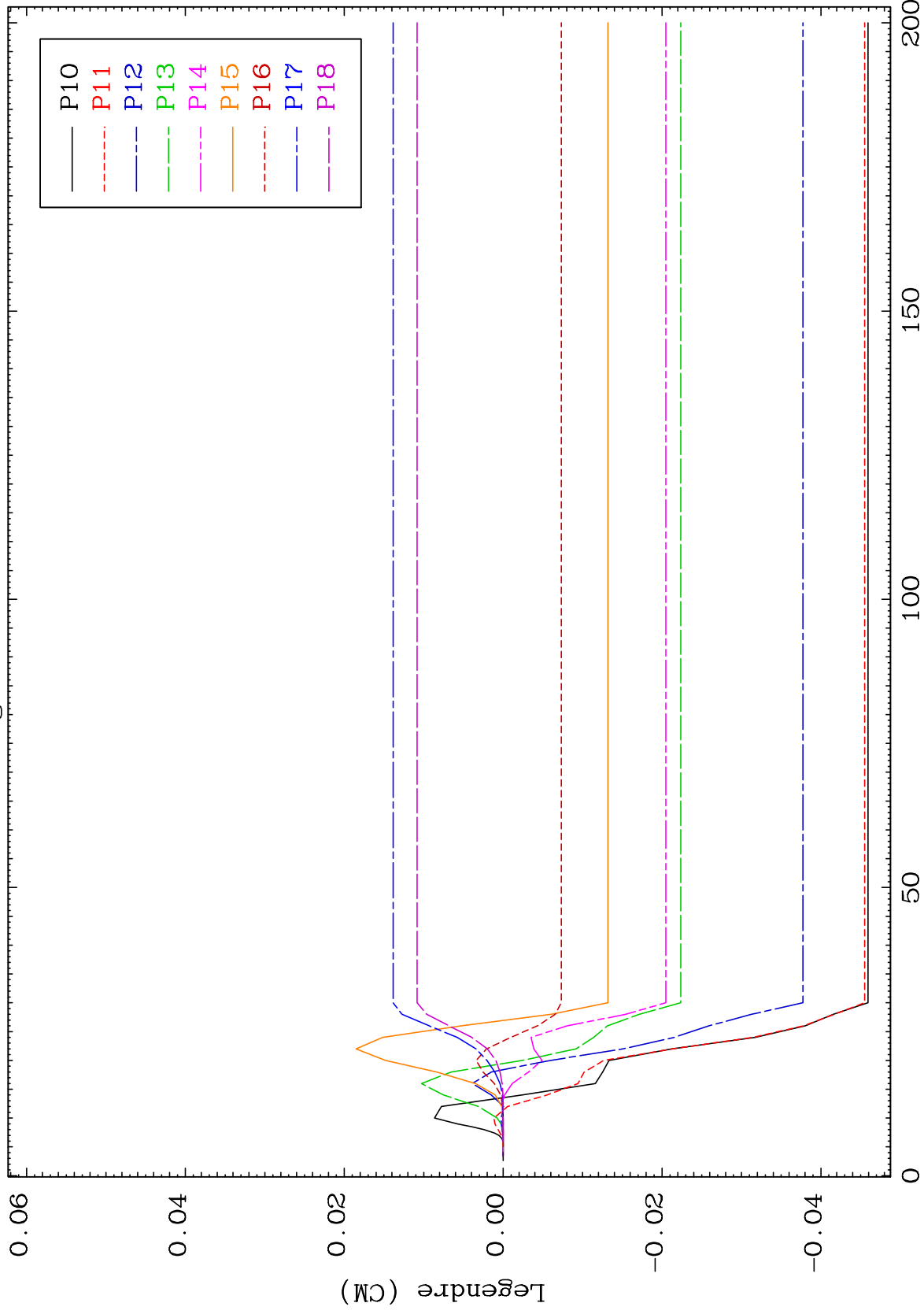
56-Ba-134



MAT 5637

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

56-Ba-134



103

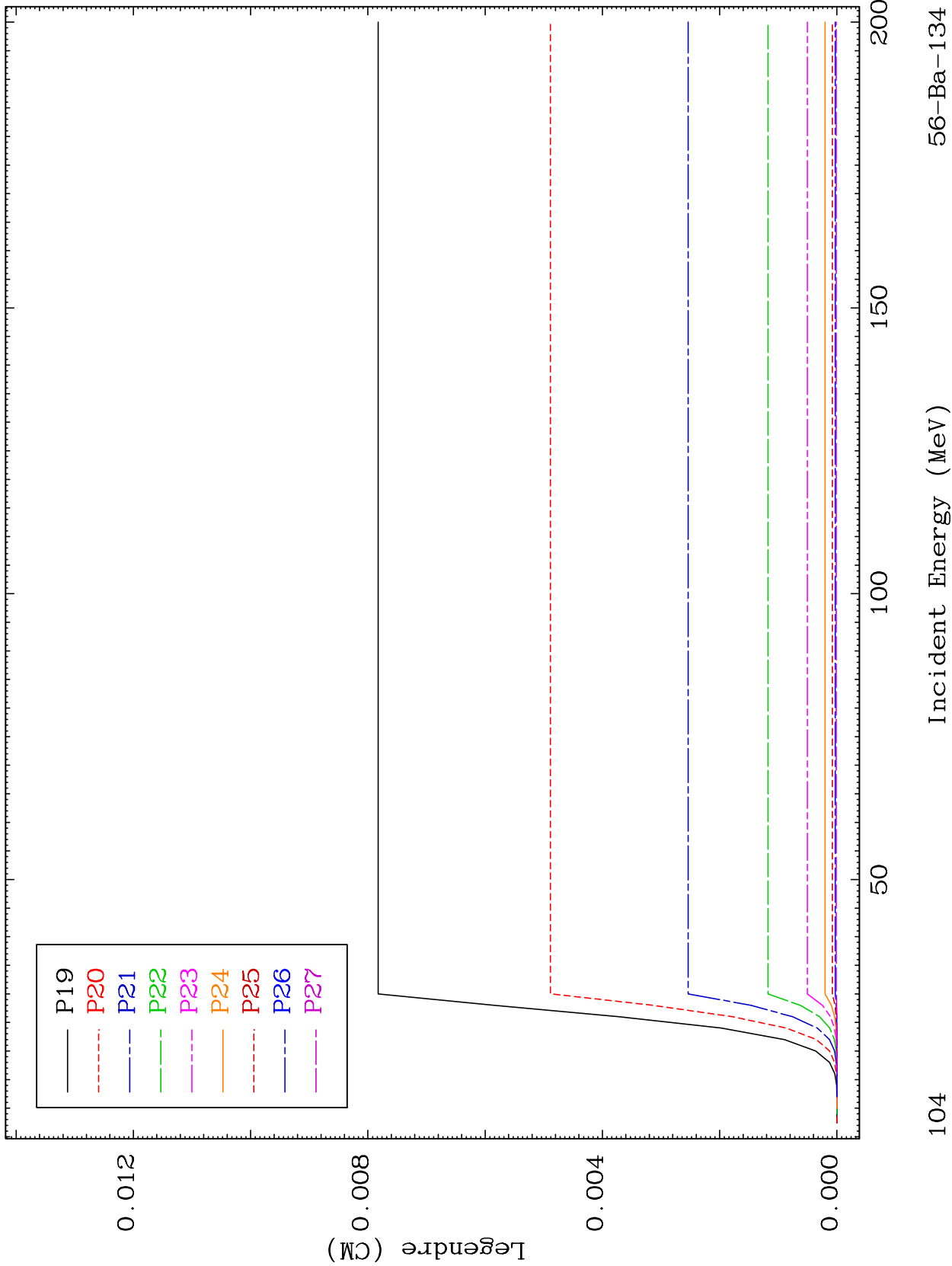
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

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



104

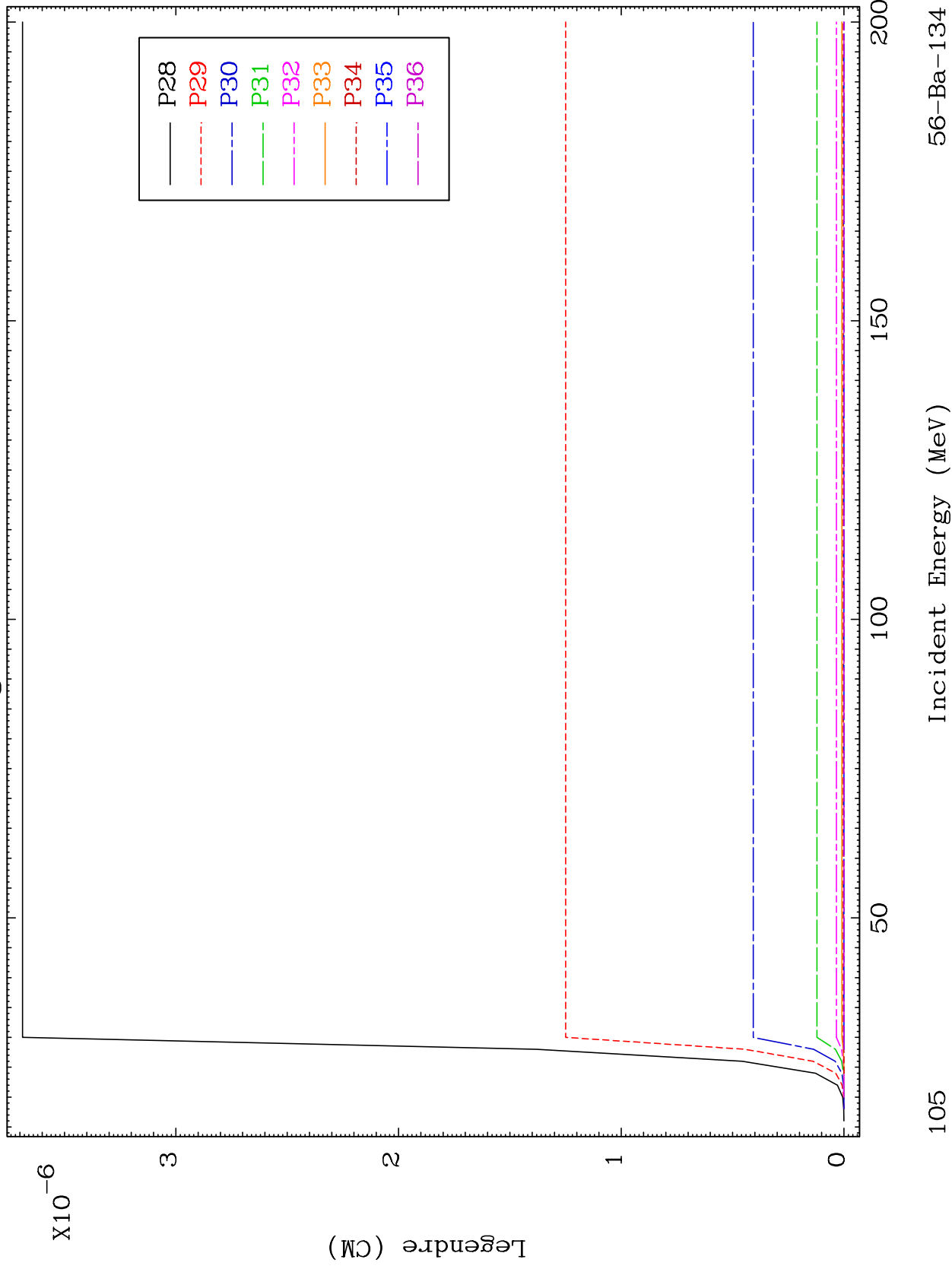
56-Ba-134

Incident Energy (MeV)

MAT 5637

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

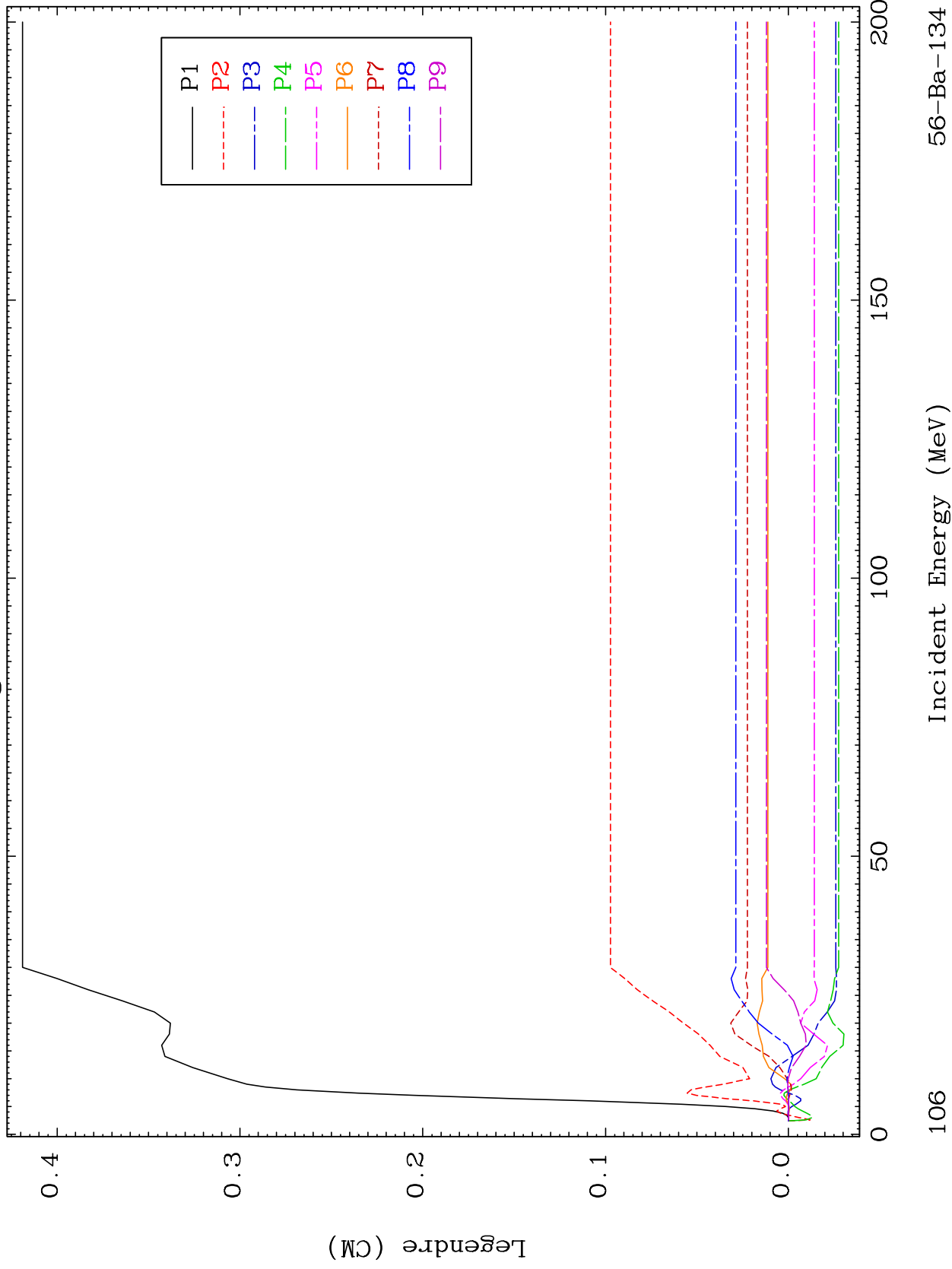
56-Ba-134



MAT 5637

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

56-Ba-134



56-Ba-134

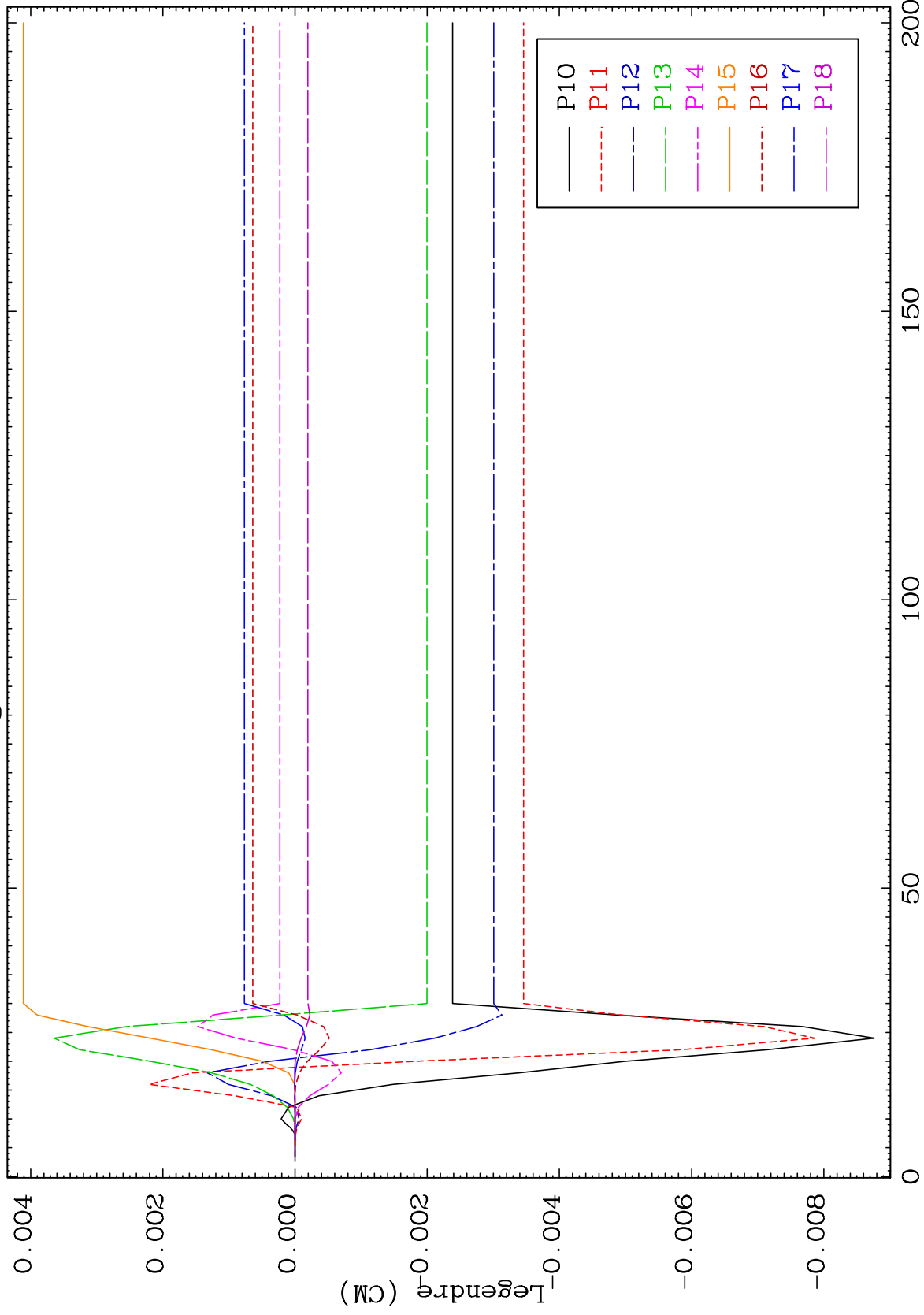
Incident Energy (MeV)

106

MAT 5637

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

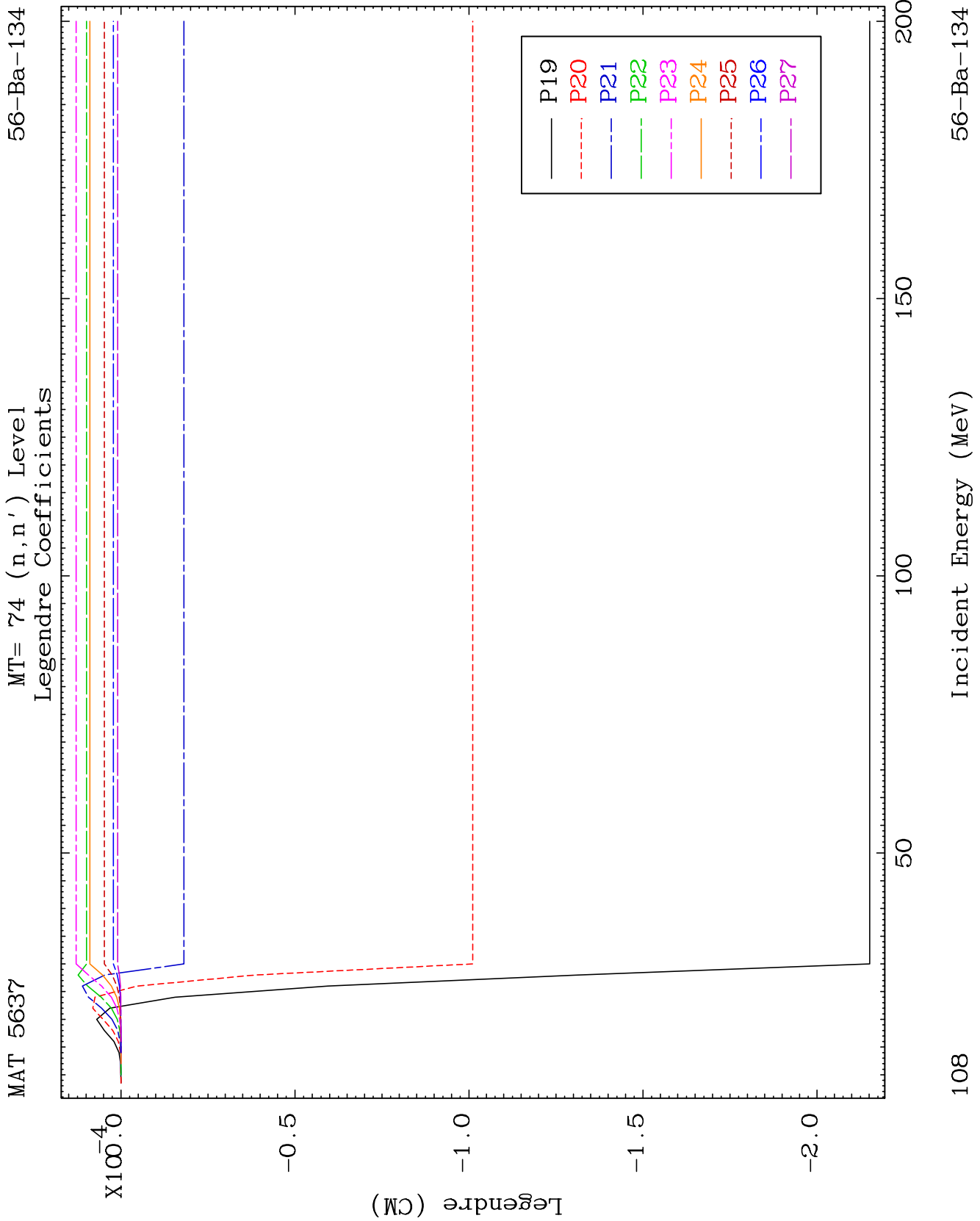
56-Ba-134



107

Incident Energy (MeV)

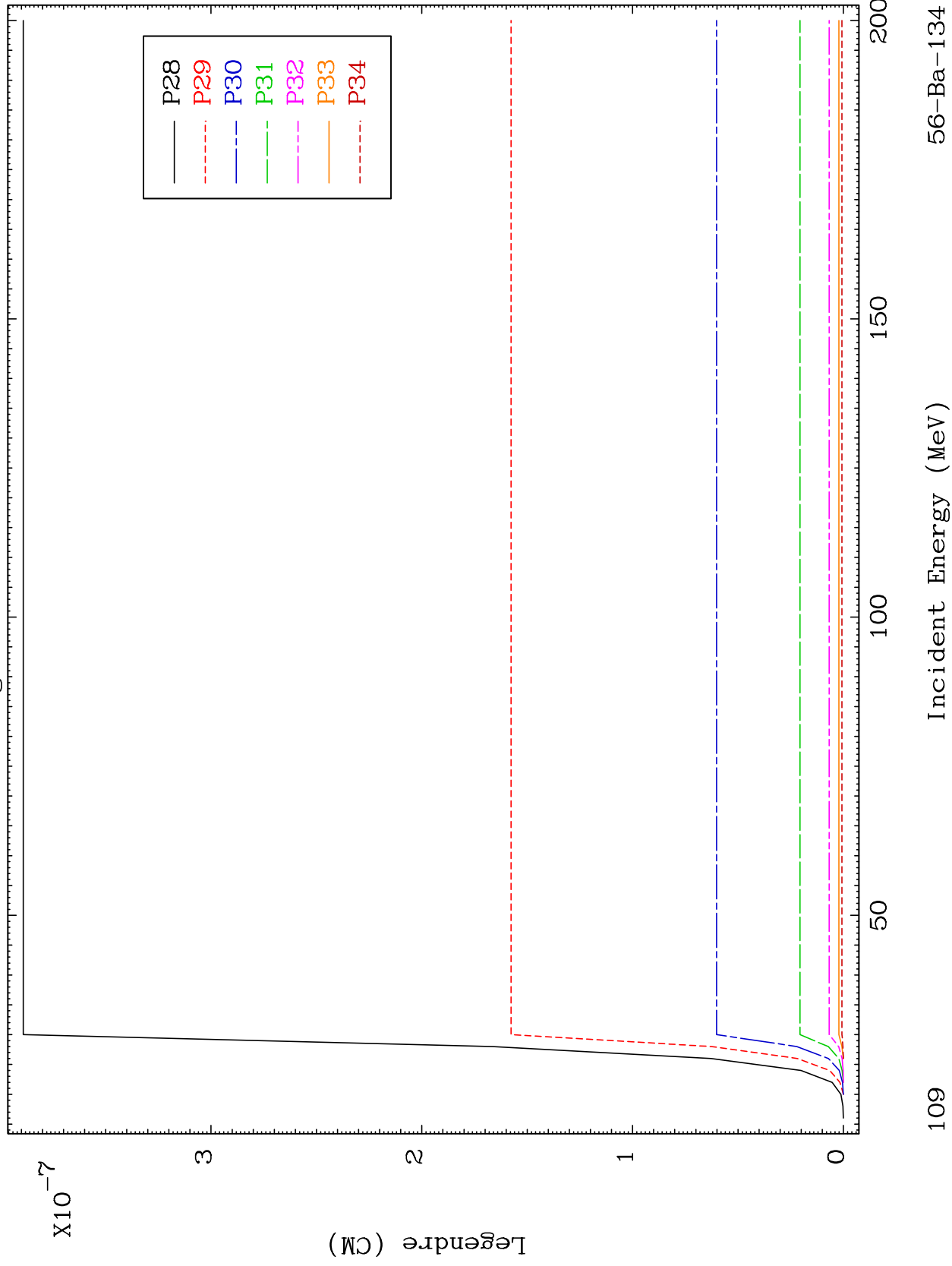
56-Ba-134



MAT 5637

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

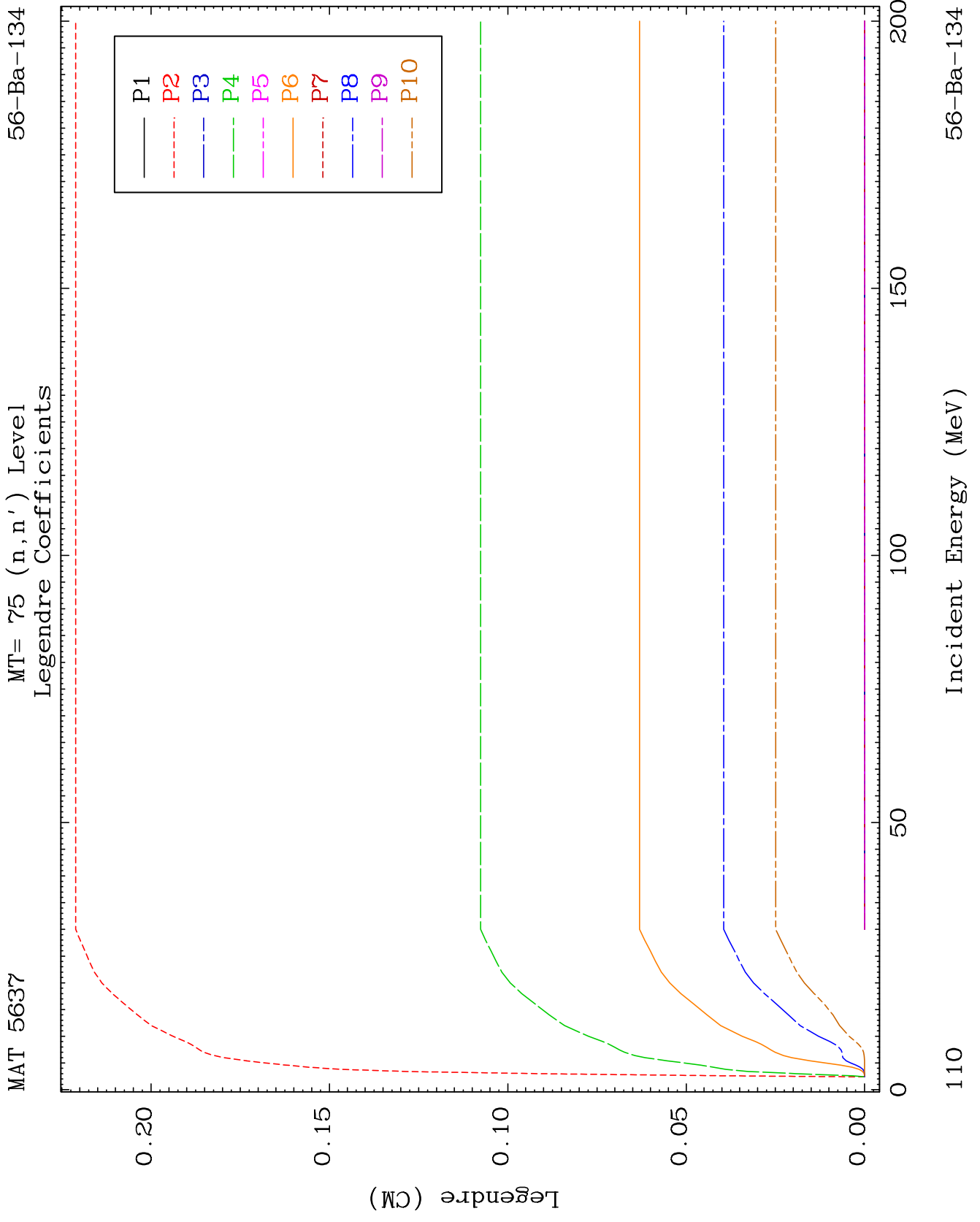
56-Ba-134

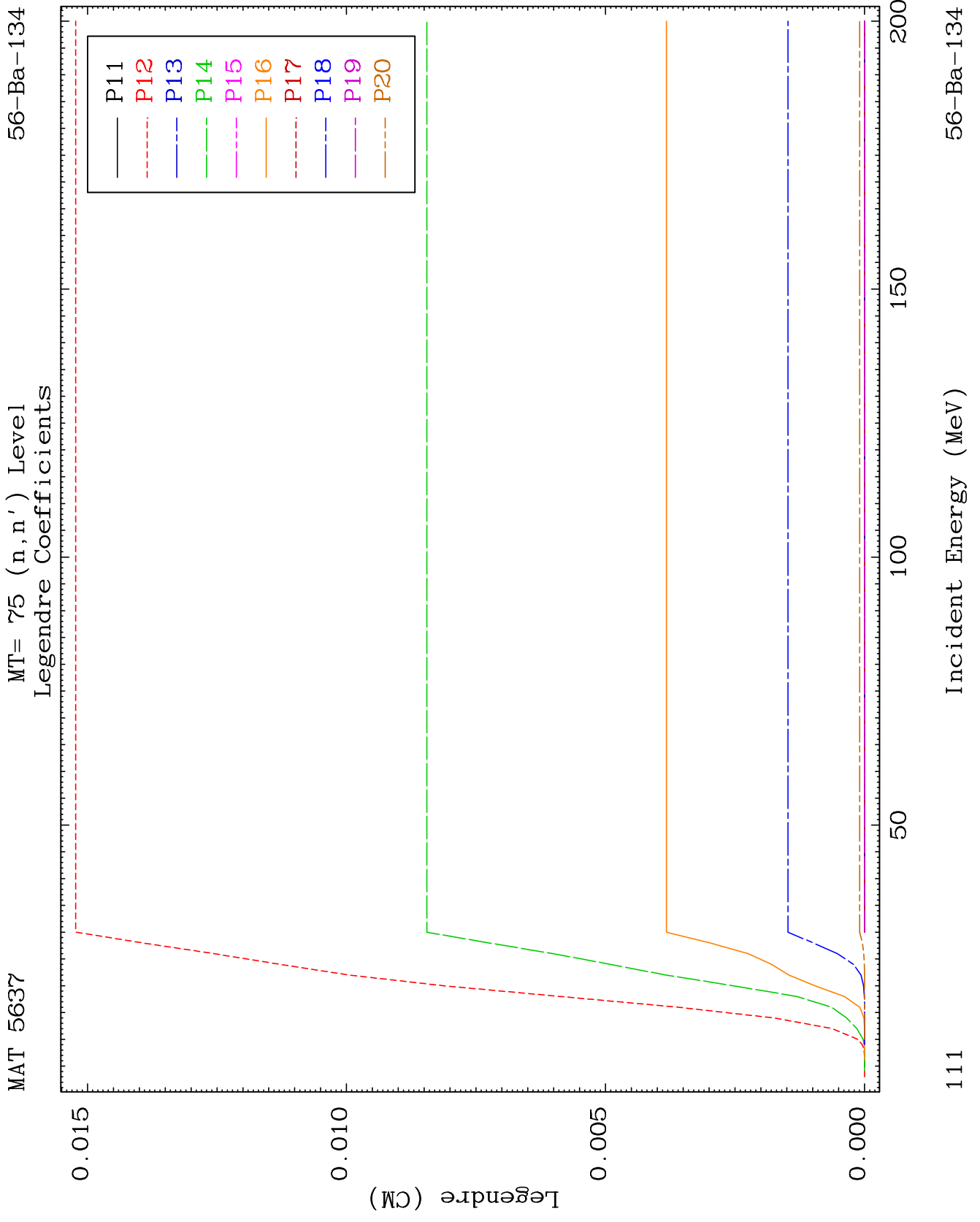


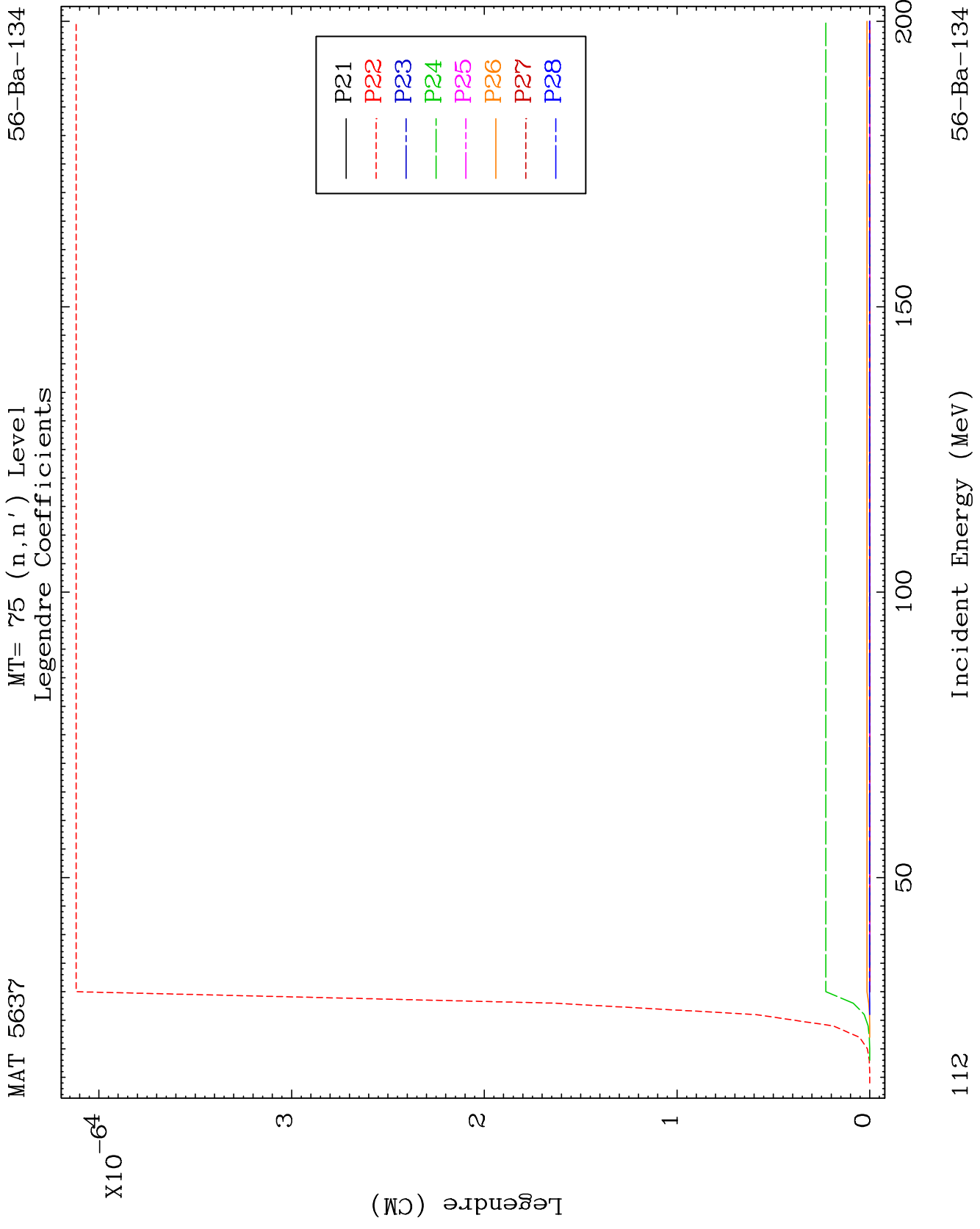
56-Ba-134

Incident Energy (MeV)

109



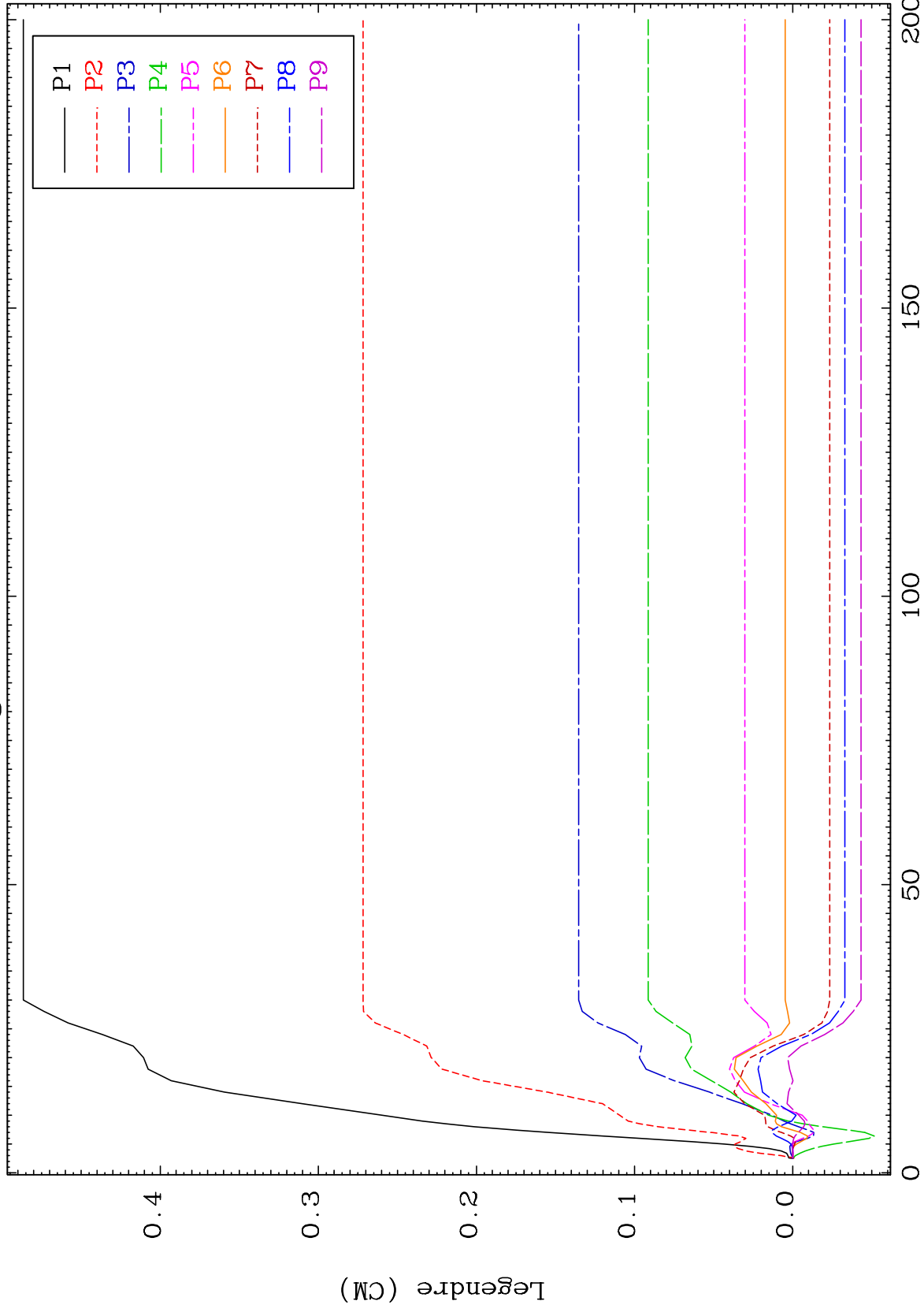




MAT 5637

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

56-Ba-134



113

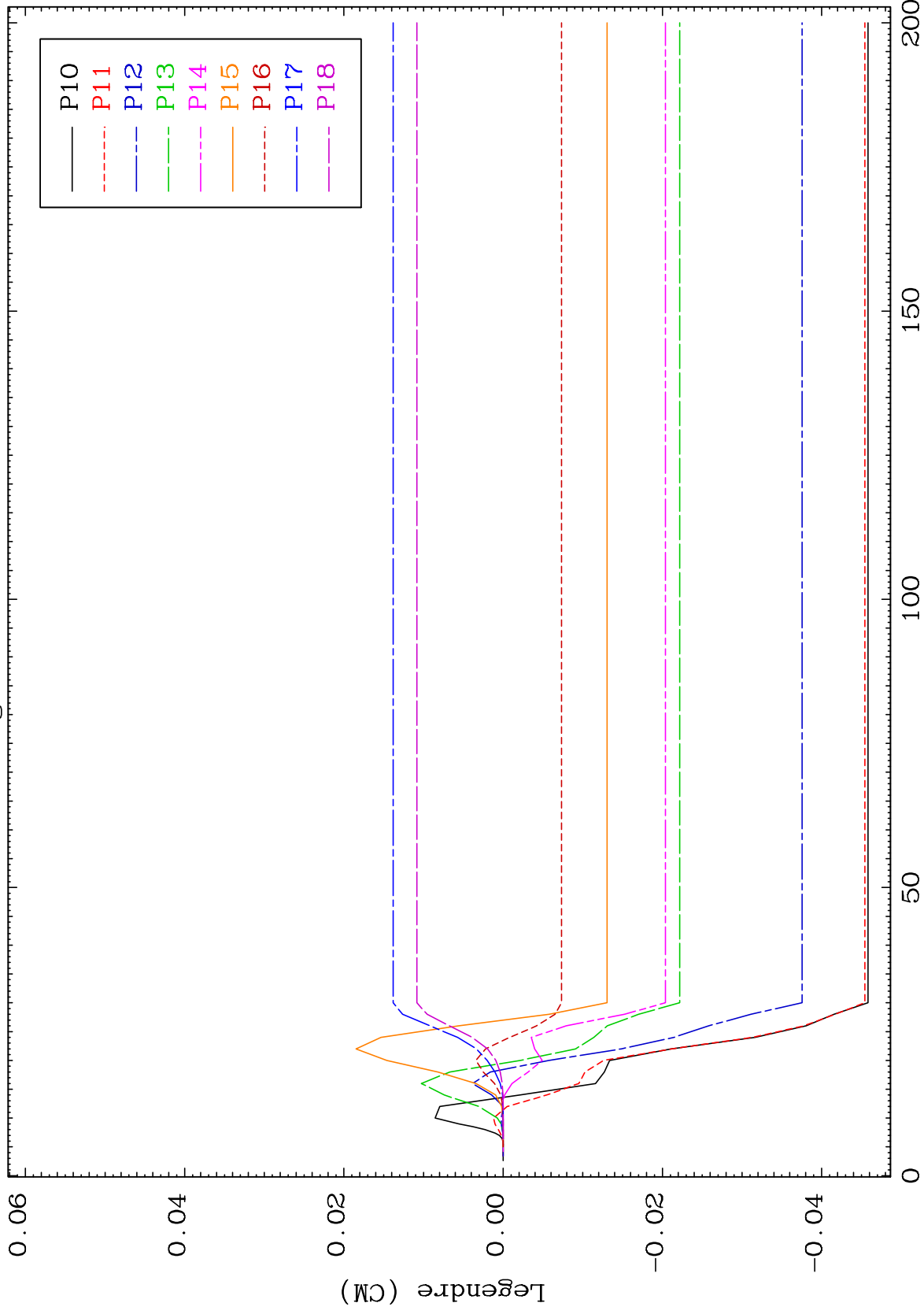
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



114

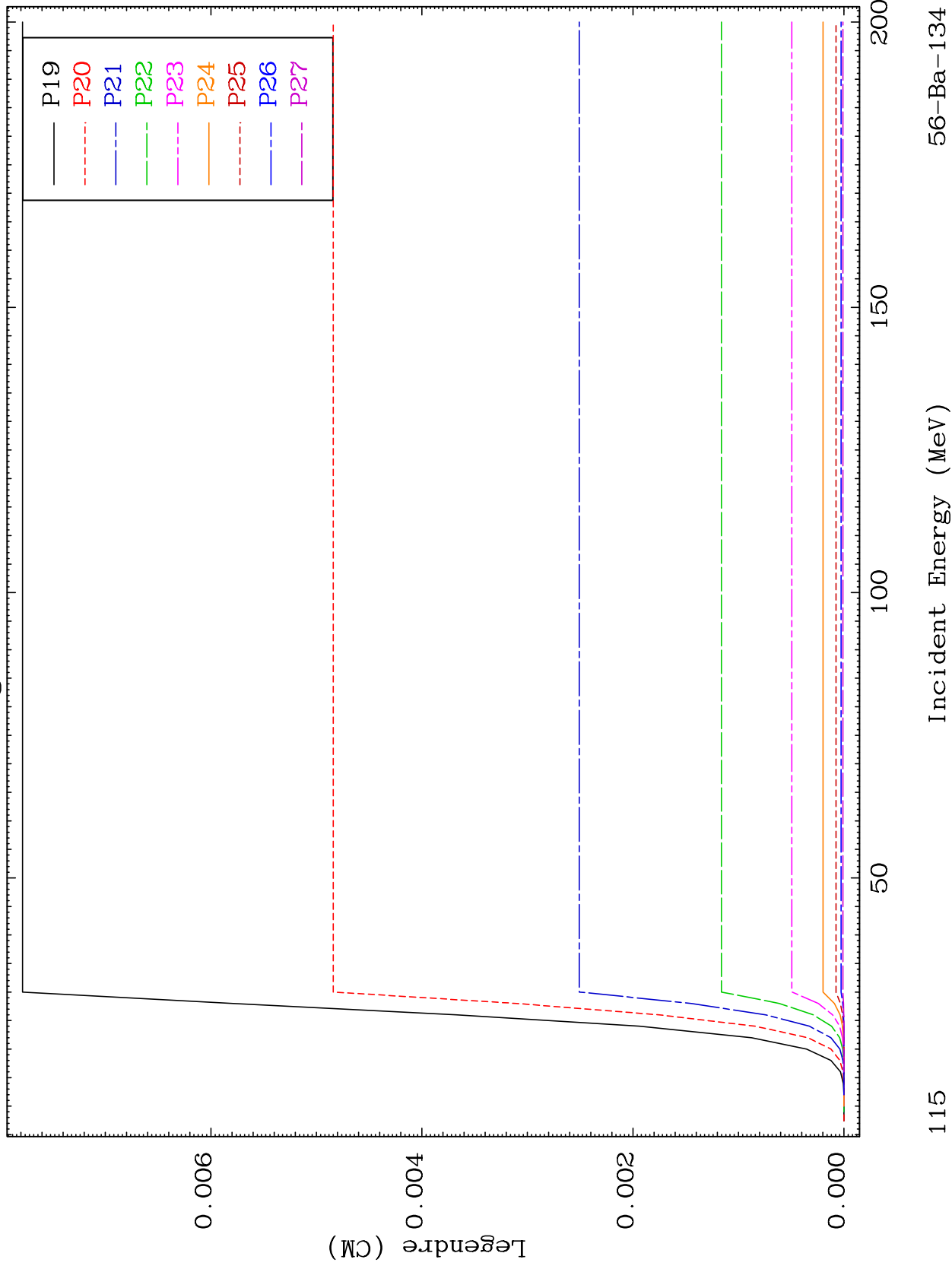
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



56-Ba-134

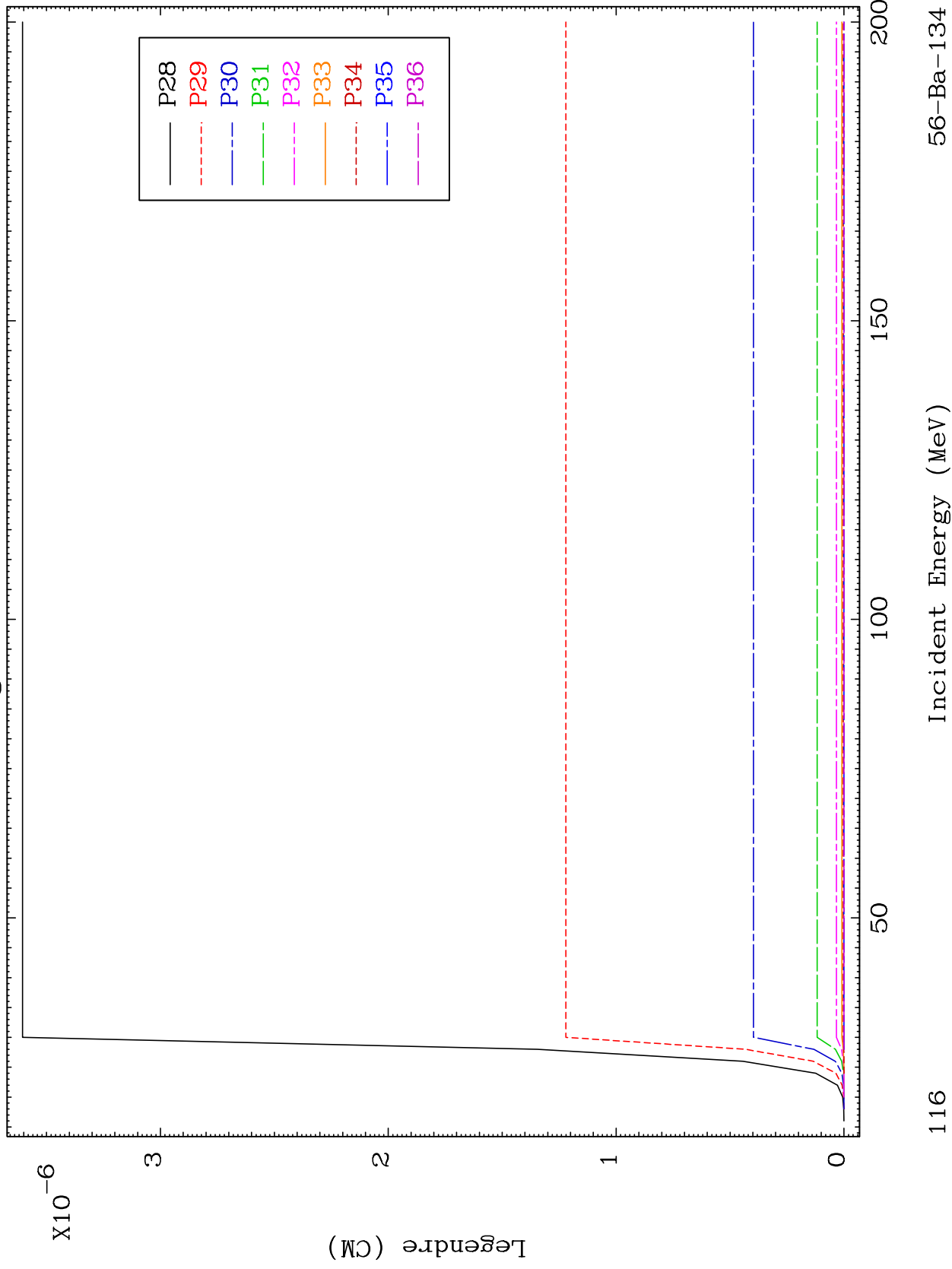
Incident Energy (MeV)

115

MAT 5637

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

56-Ba-134



116

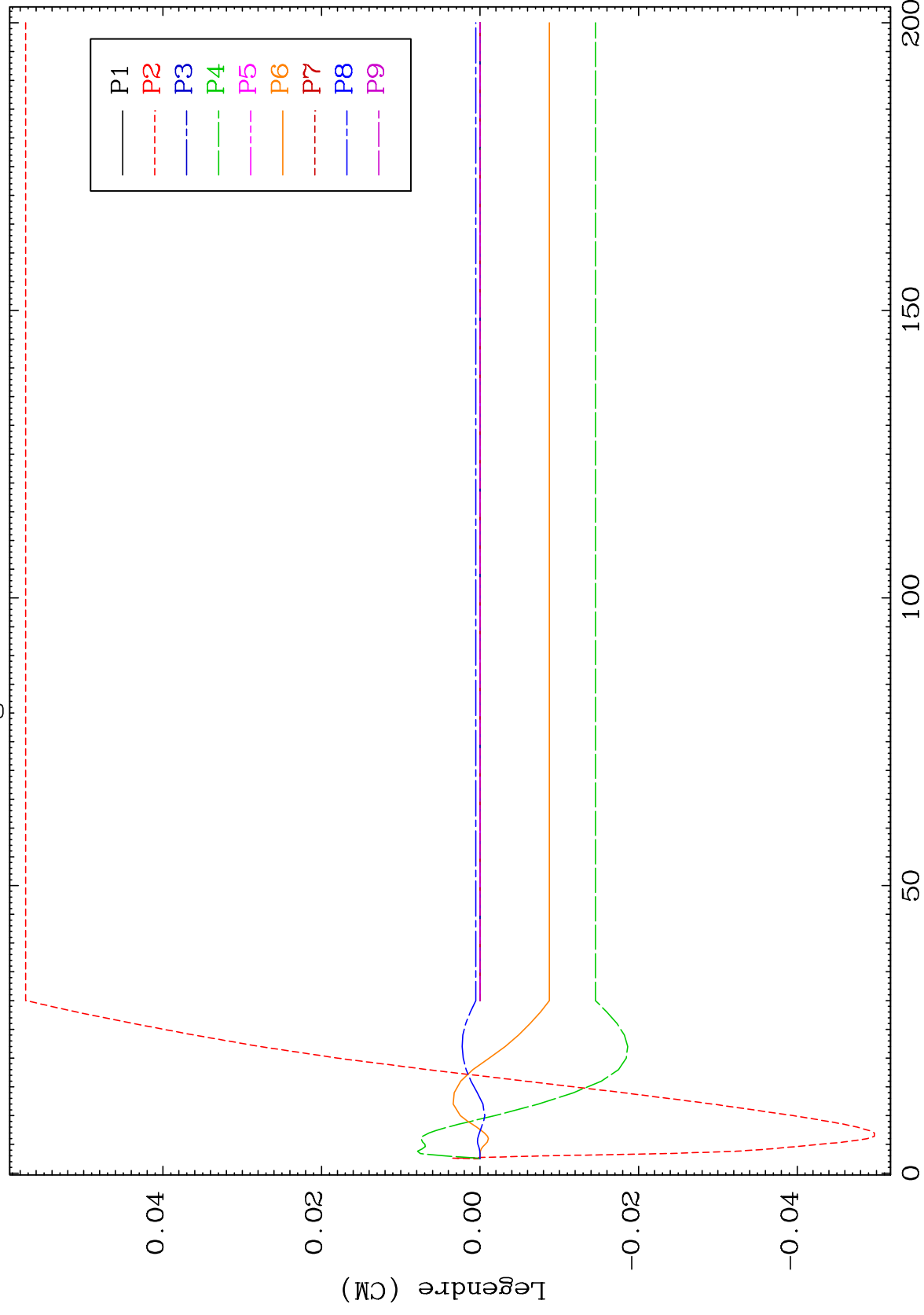
Incident Energy (MeV)

56-Ba-134

MAT 5637

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

56-Ba-134



117

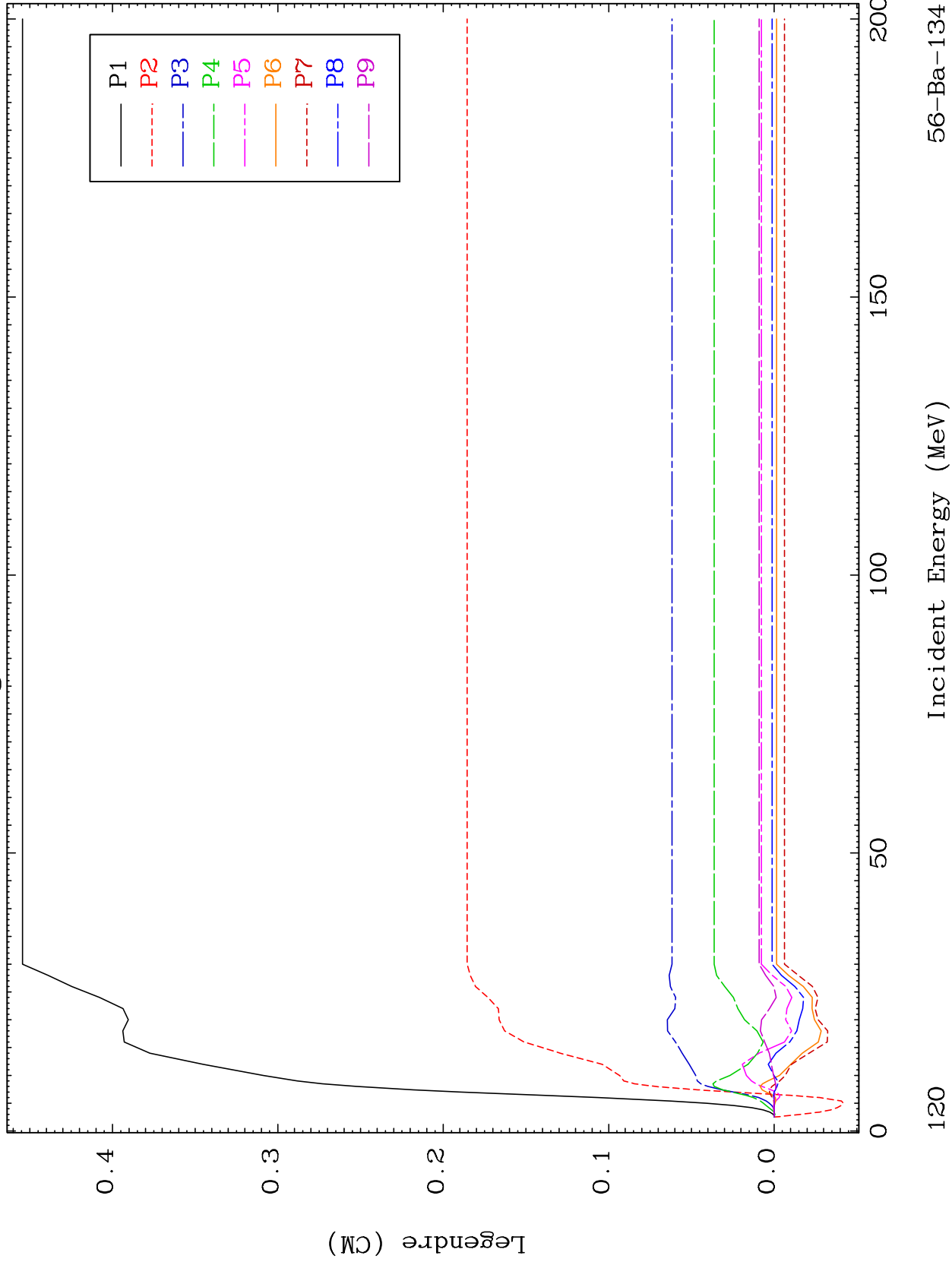
Incident Energy (MeV)

56-Ba-134

MAT 5637

MT= 78 (n,n') Level
Legendre Coefficients

56-Ba-134

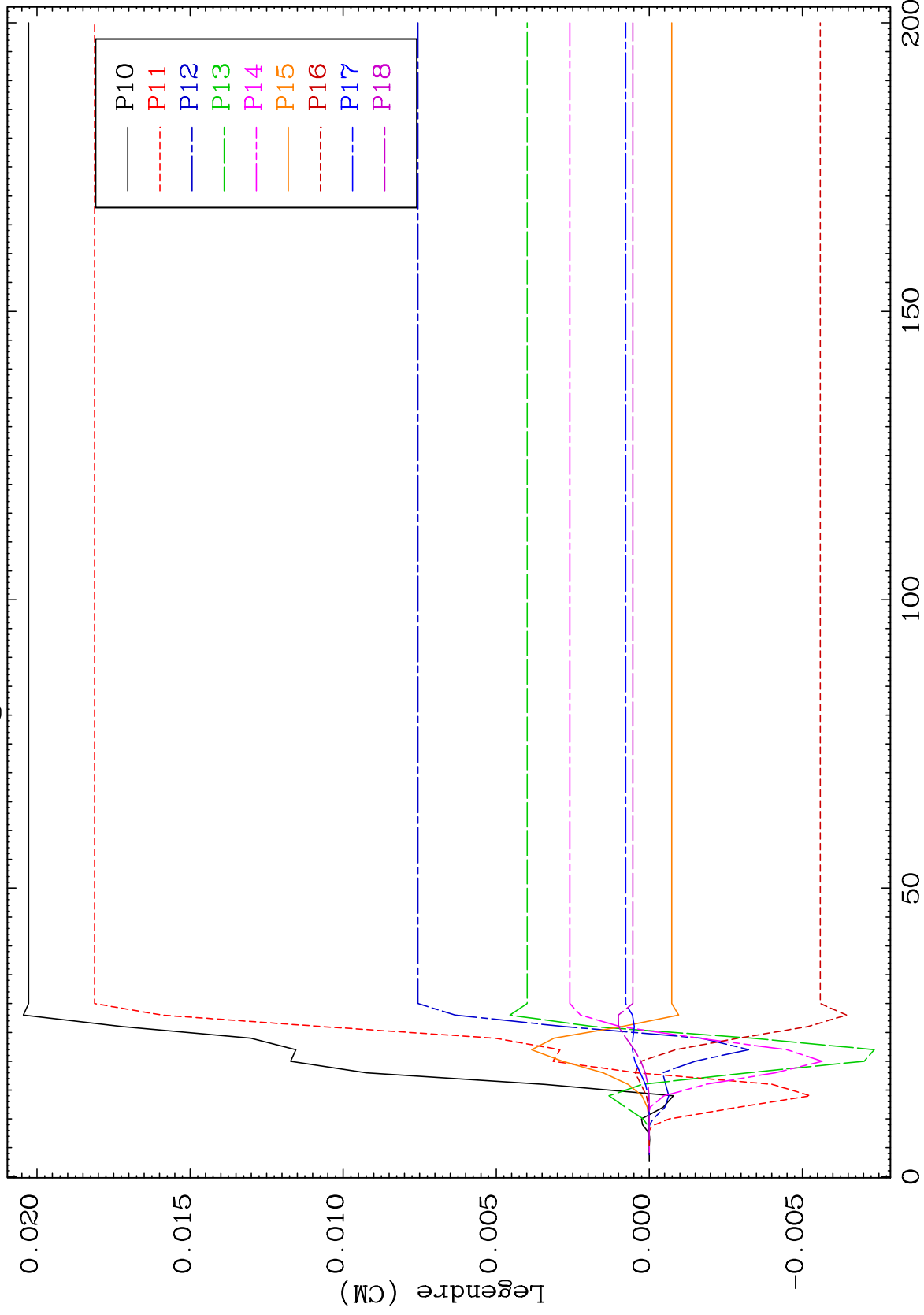


56-Ba-134

MAT 5637

MT= 78 (n,n') Level
Legendre Coefficients

56-Ba-134



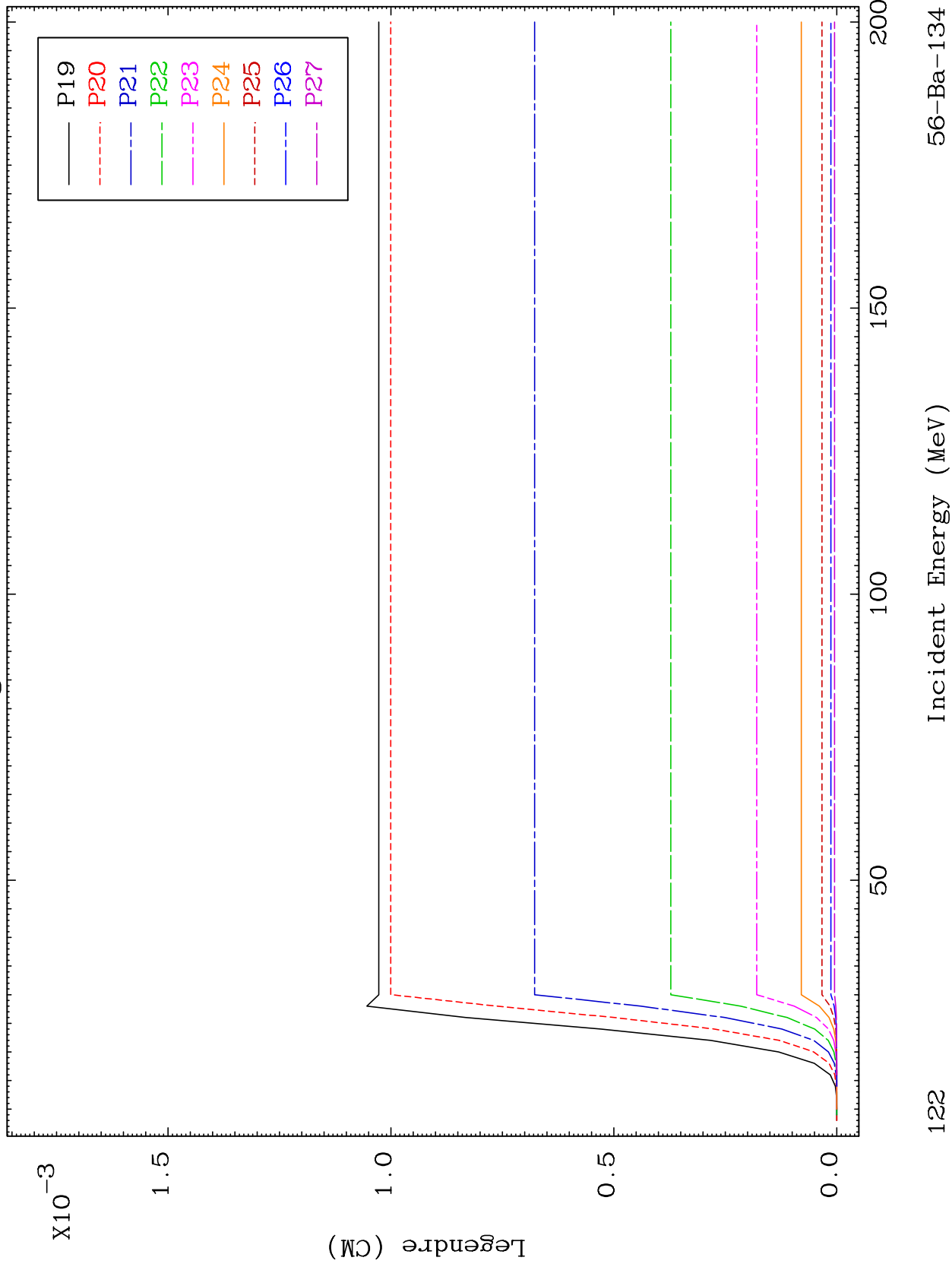
121

56-Ba-134

MAT 5637

MT= 78 (n,n') Level
Legendre Coefficients

56-Ba-134



122

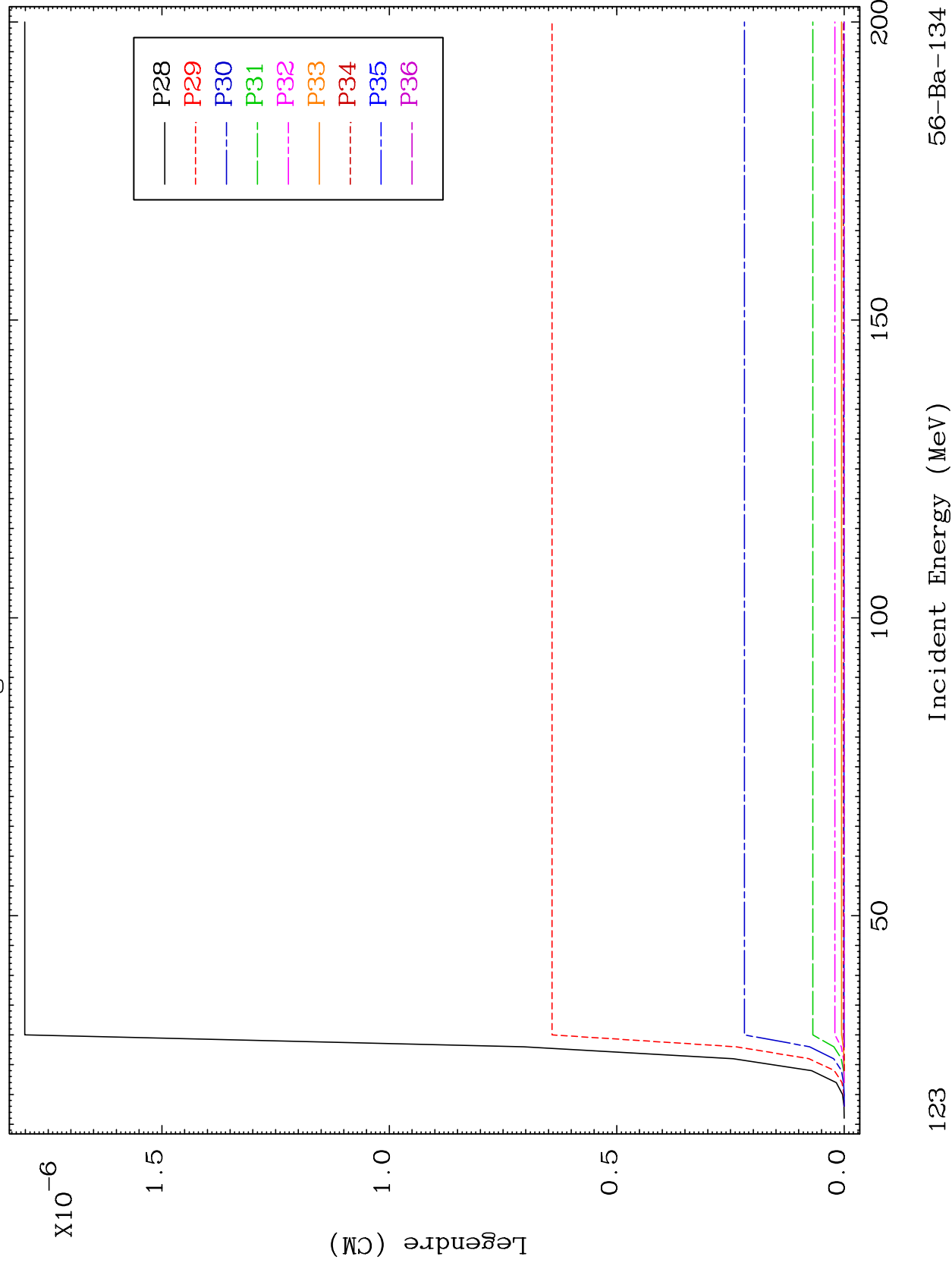
Incident Energy (MeV)

56-Ba-134

MAT 5637

MT= 78 (n,n') Level
Legendre Coefficients

56-Ba-134

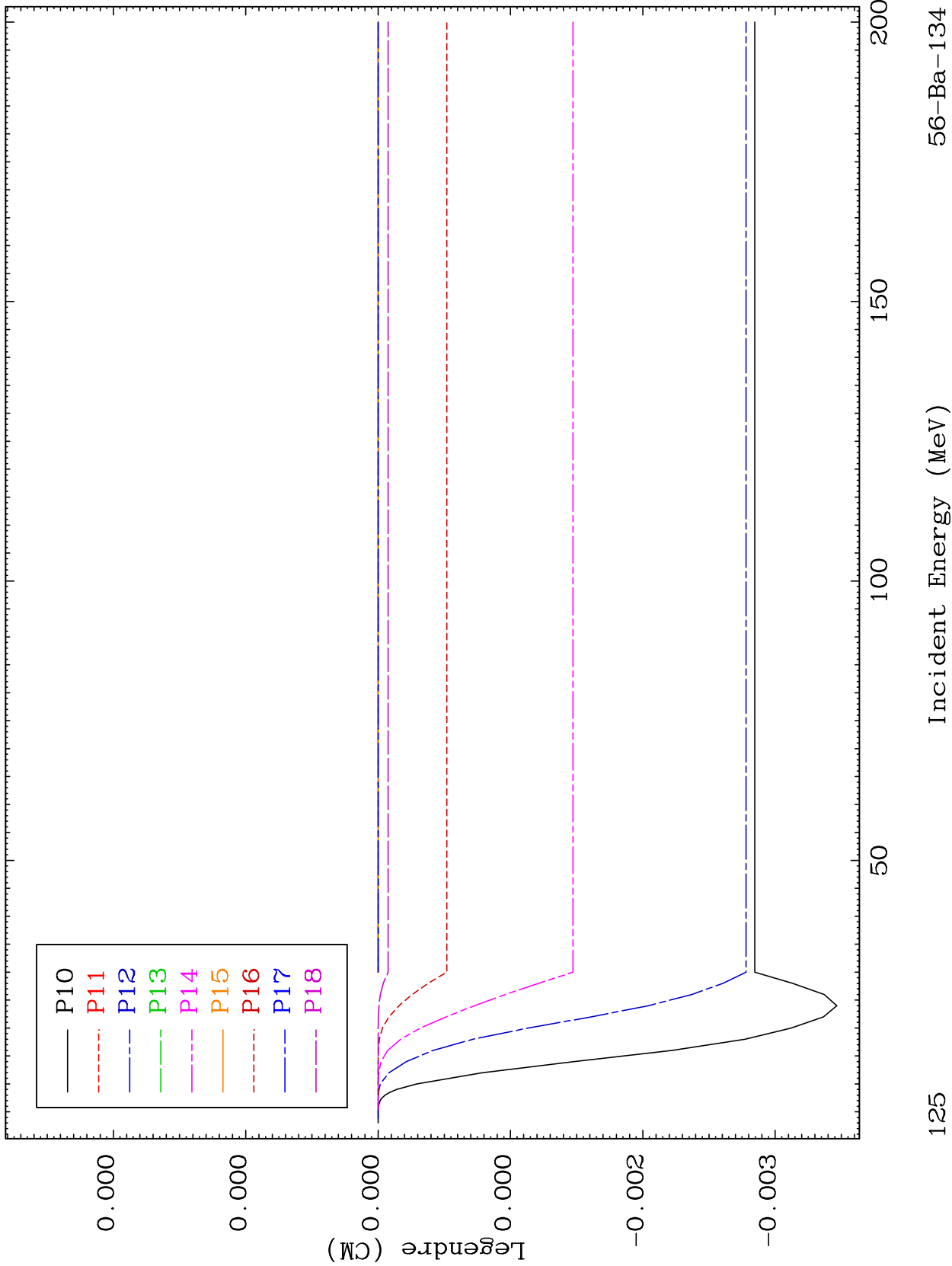


123

MAT 5637

MT= 79 (n,n') Level
Legendre Coefficients

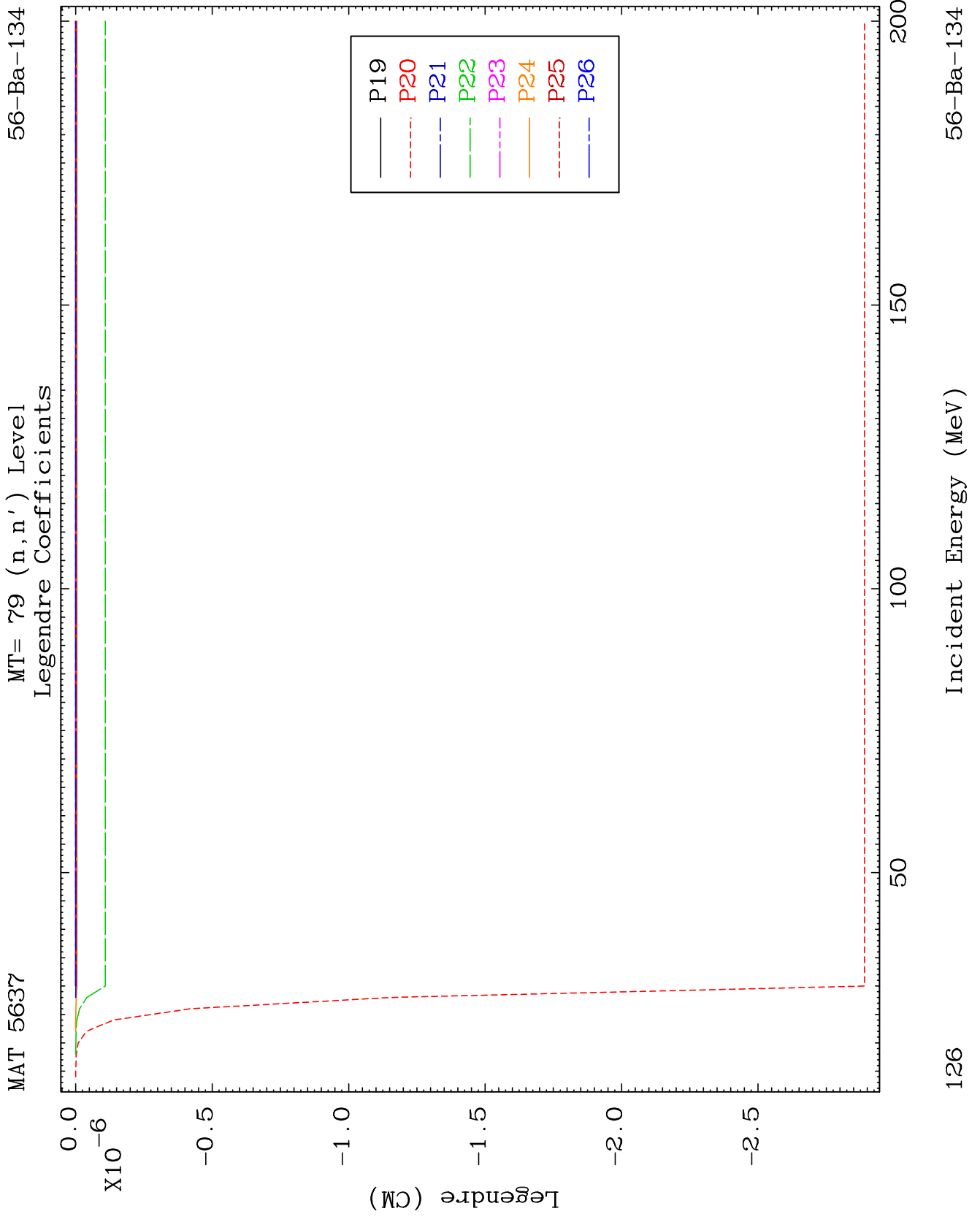
56-Ba-134

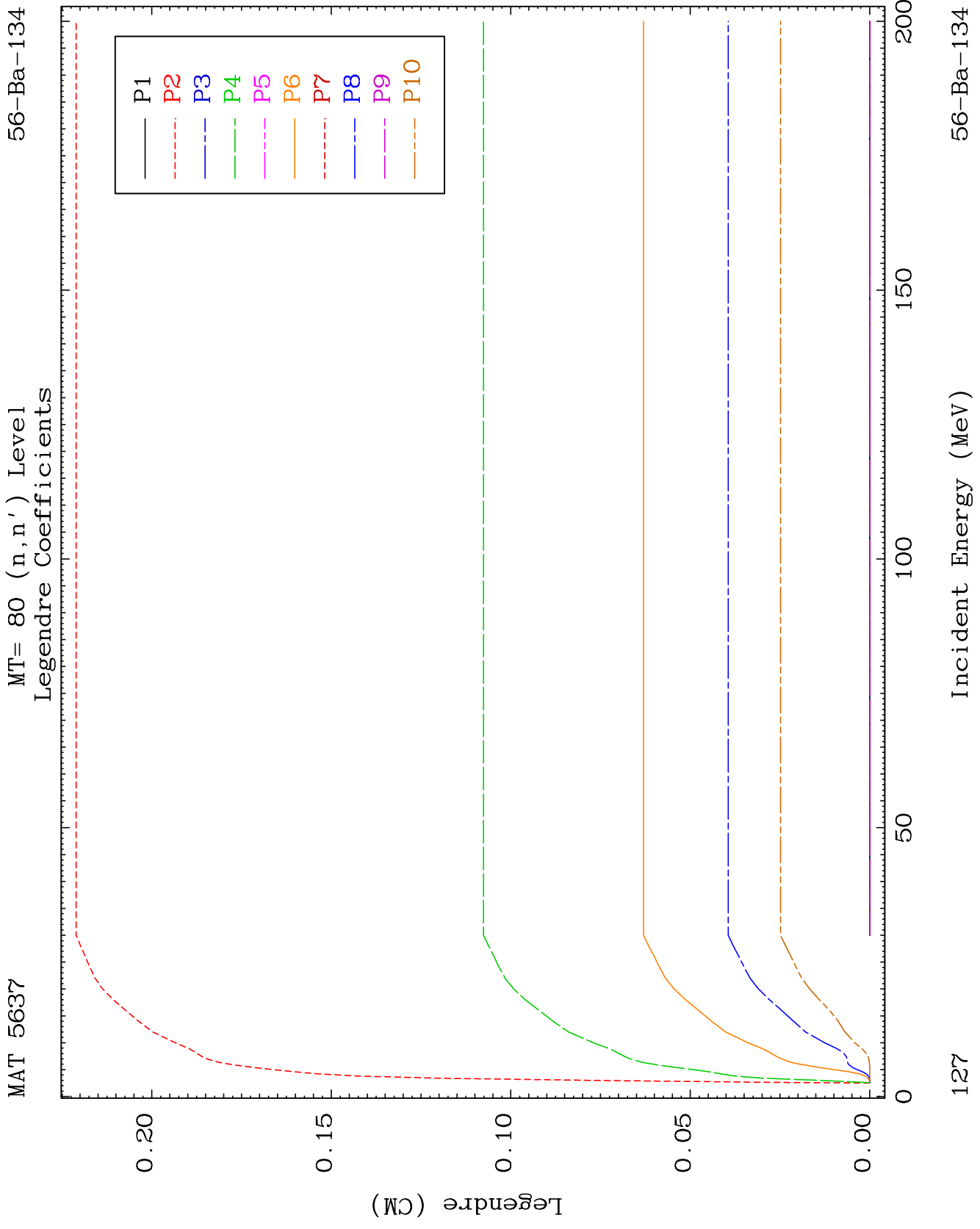


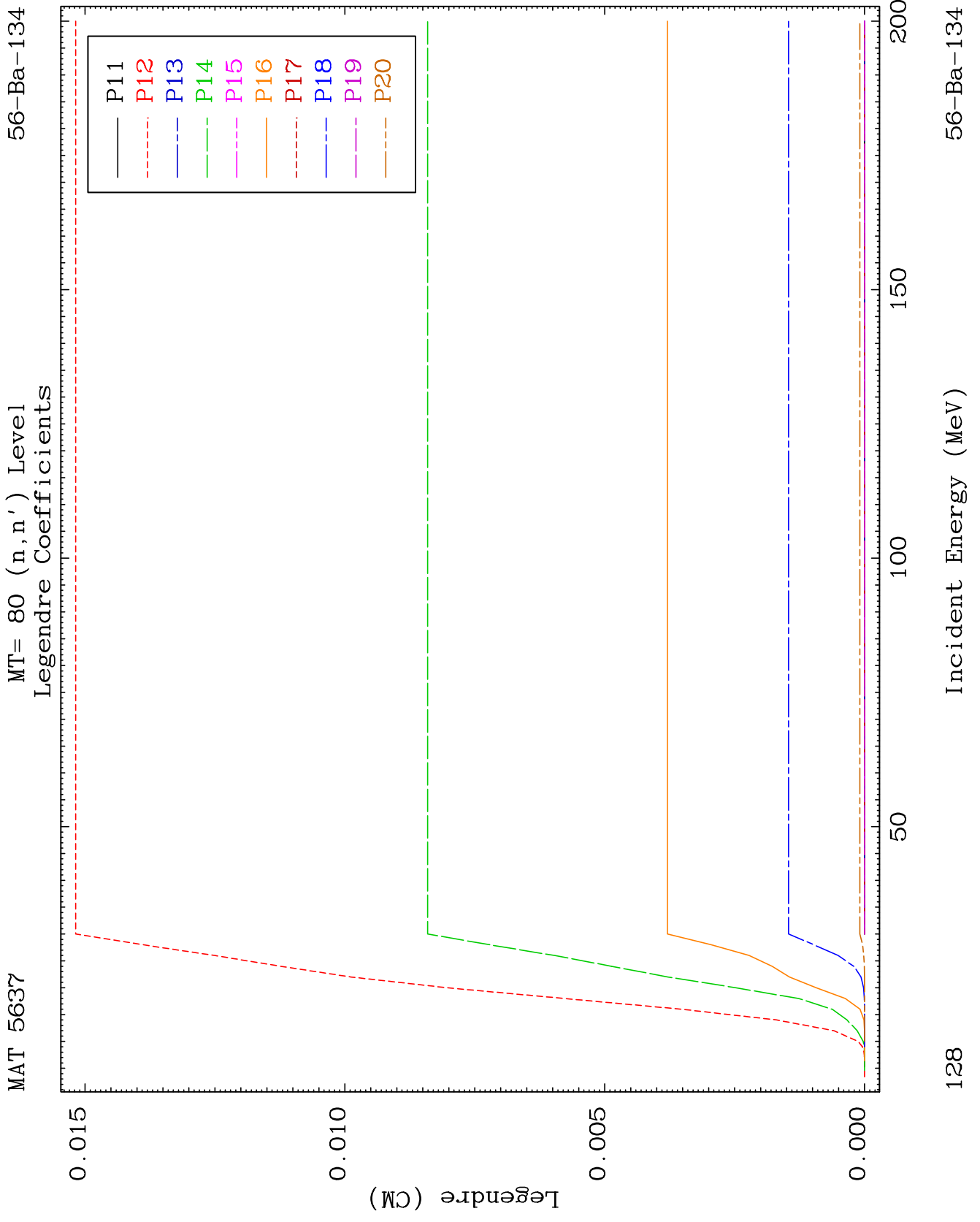
125

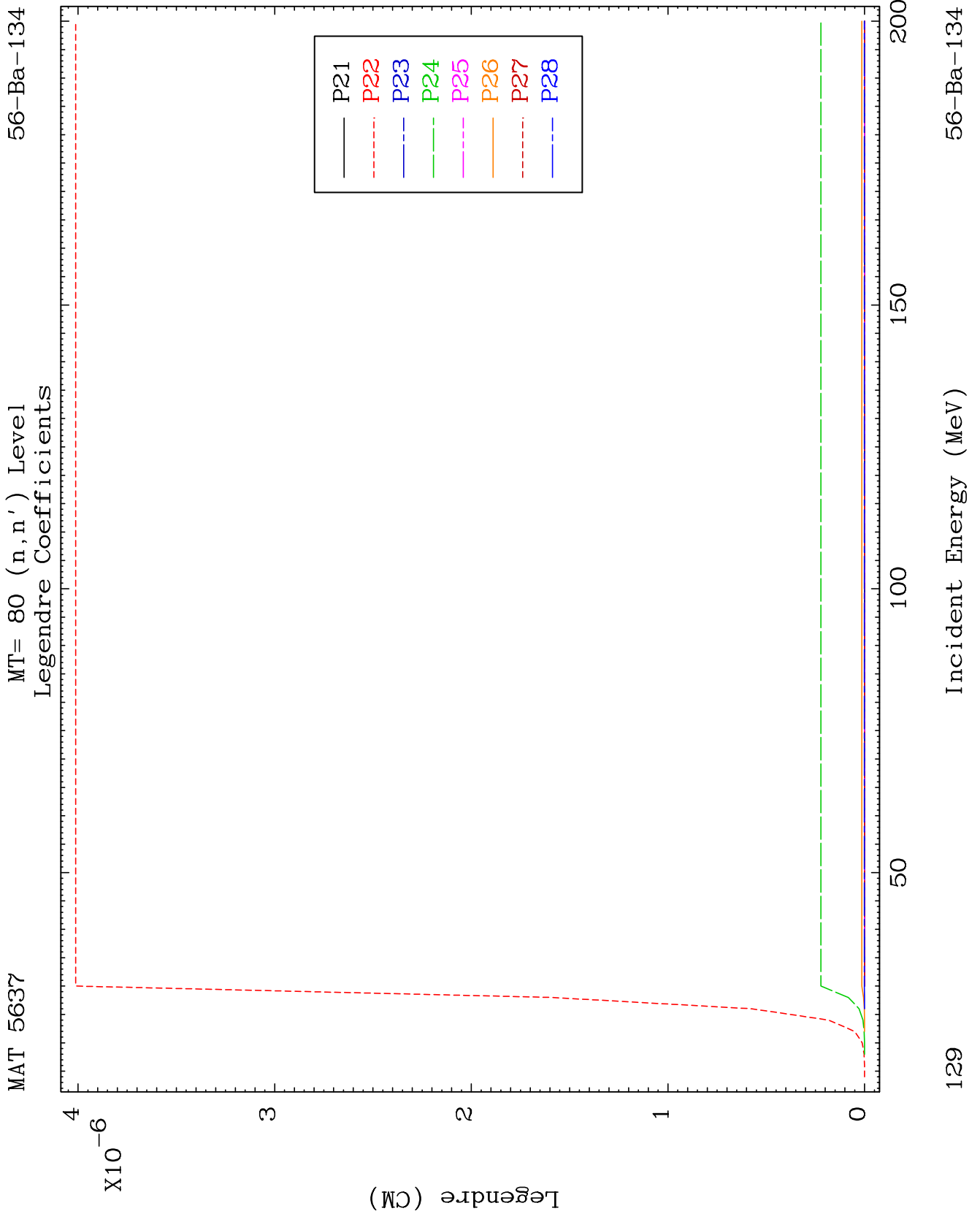
Incident Energy (MeV)

56-Ba-134







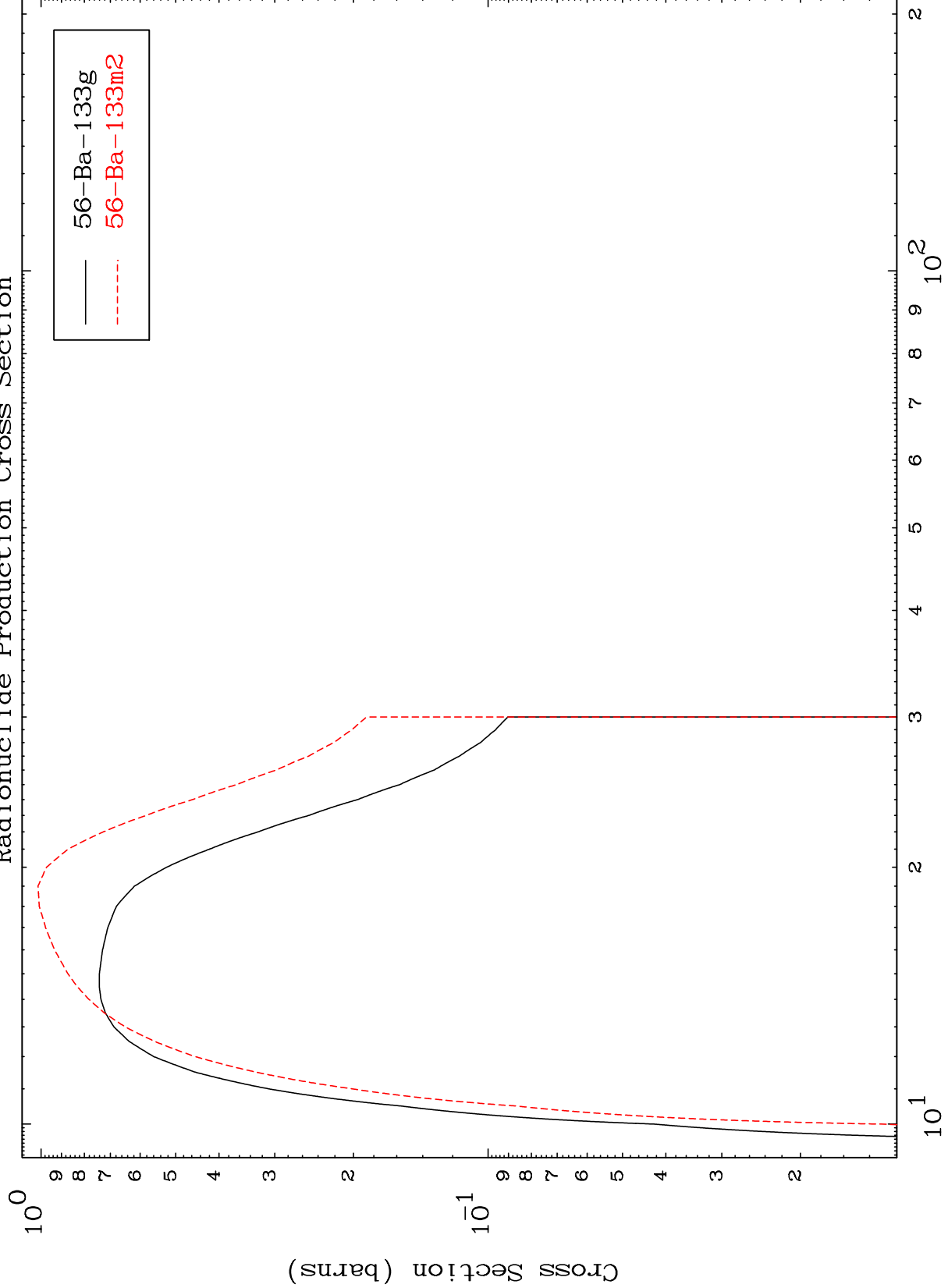


MAT 5637

(n,2n)

56-Ba-134

Radionuclide Production Cross Section



56-Ba-133g
56-Ba-133m2

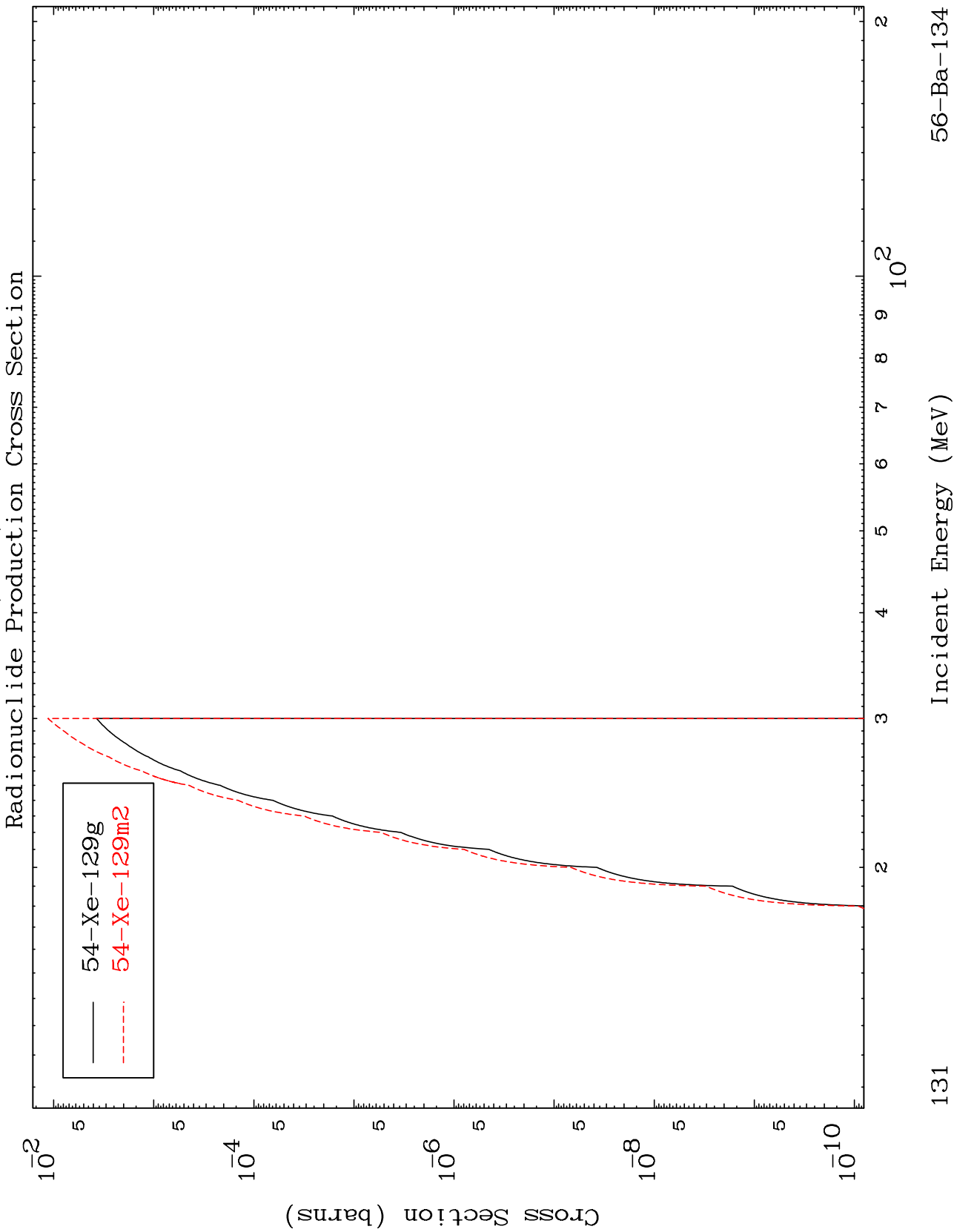
Incident Energy (MeV)

56-Ba-134

MAT 5637

(n,2n) α

56-Ba-134



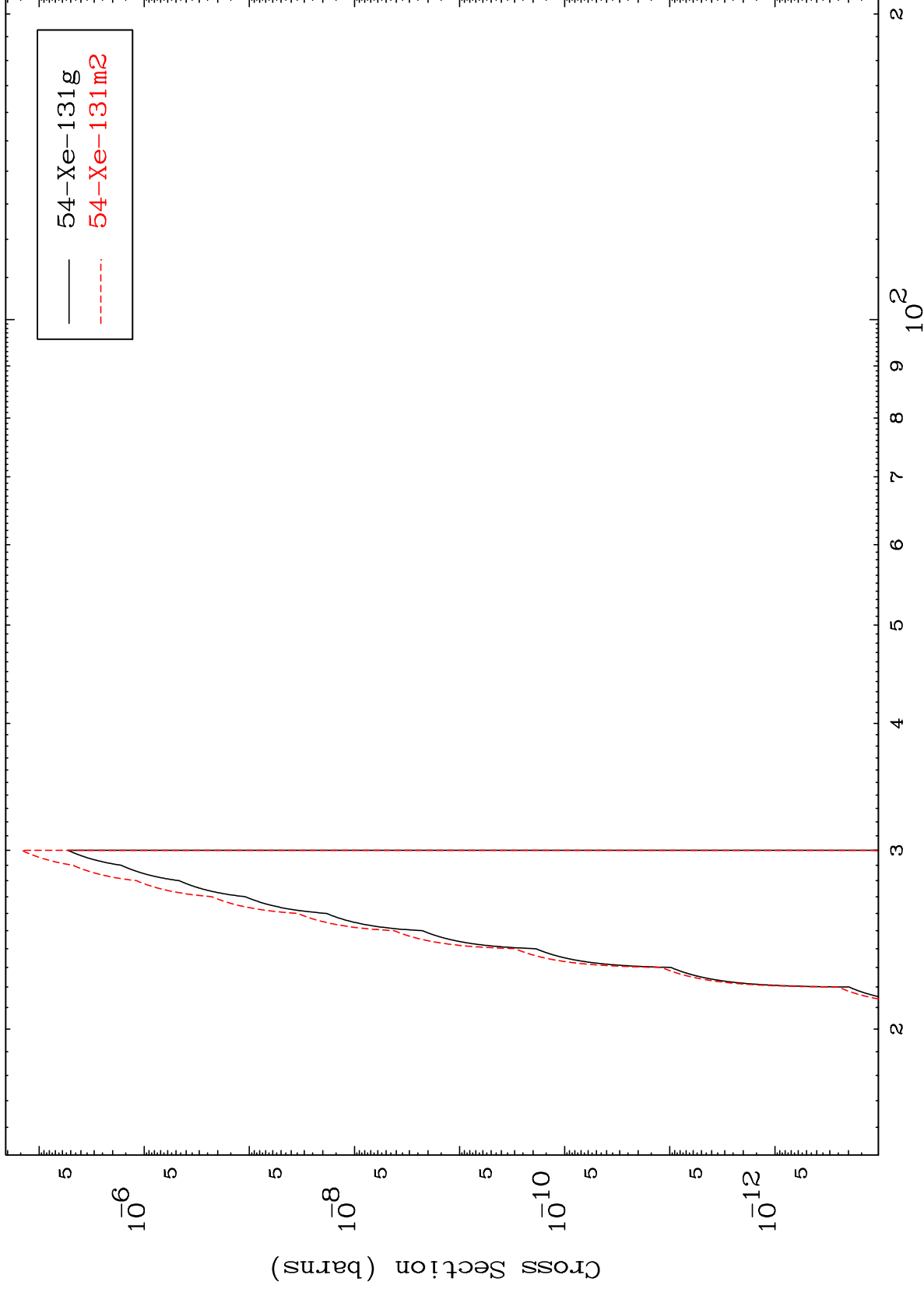
131

MAT 5637

(n,n') He-3

56-Ba-134

Radionuclide Production Cross Section



132

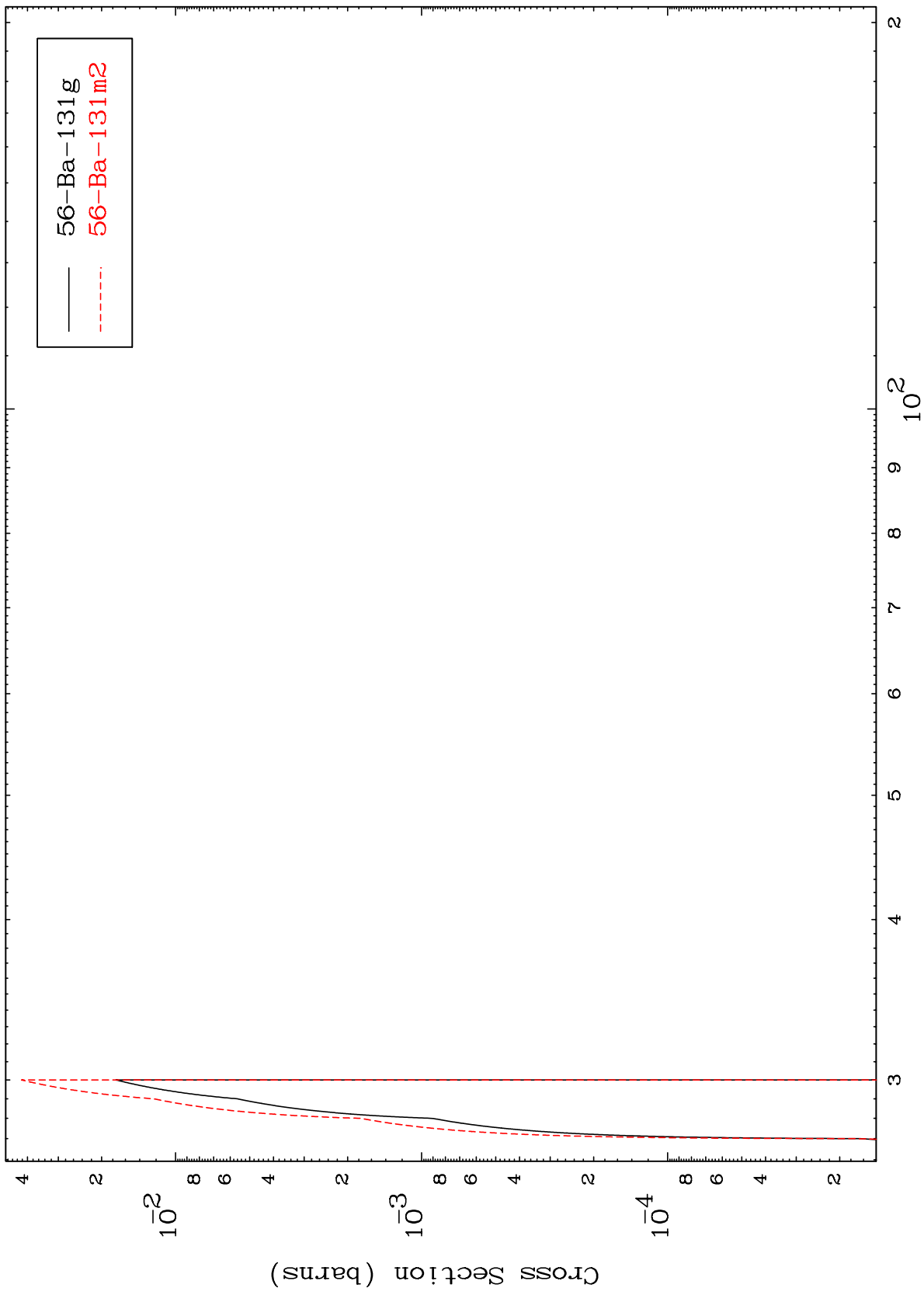
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

(n,4n)
Radionuclide Production Cross Section



133

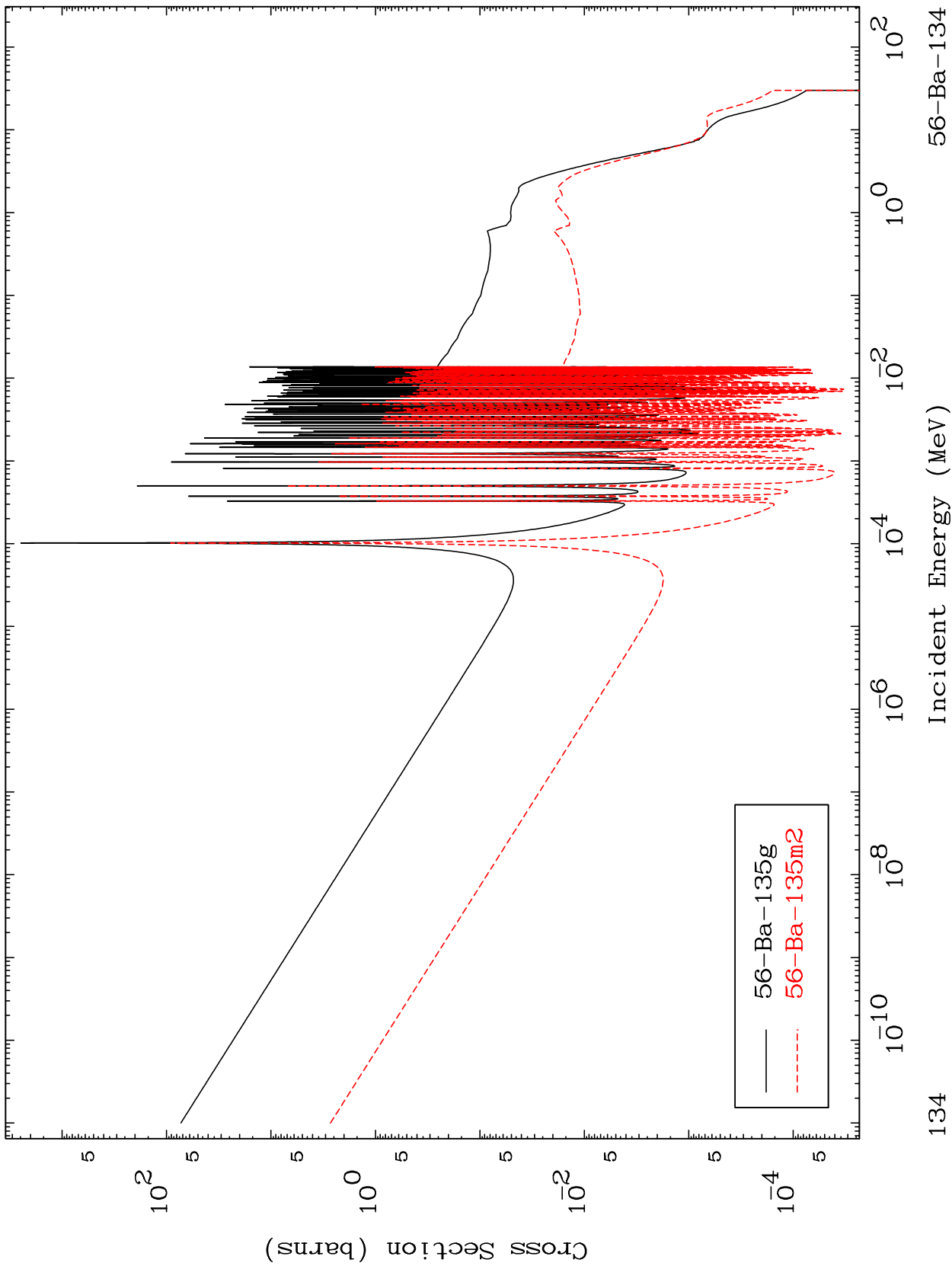
56-Ba-134

Incident Energy (MeV)

MAT 5637

56-Ba-134

(n, γ)
Radionuclide Production Cross Section

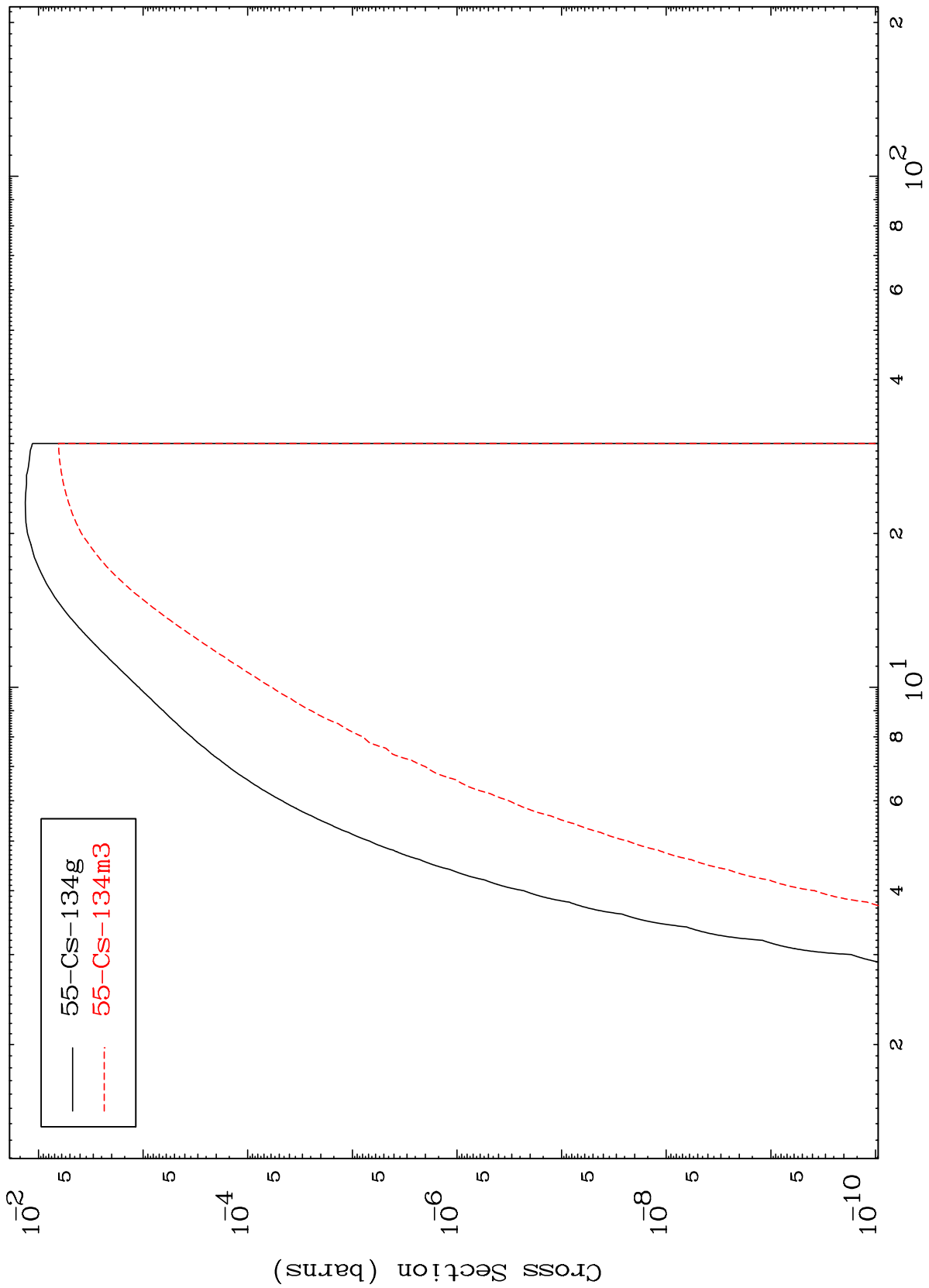


134

MAT 5637

56-Ba-134

(n,p)
Radionuclide Production Cross Section



— 55-Cs-134g
- - - 55-Cs-134m3

135

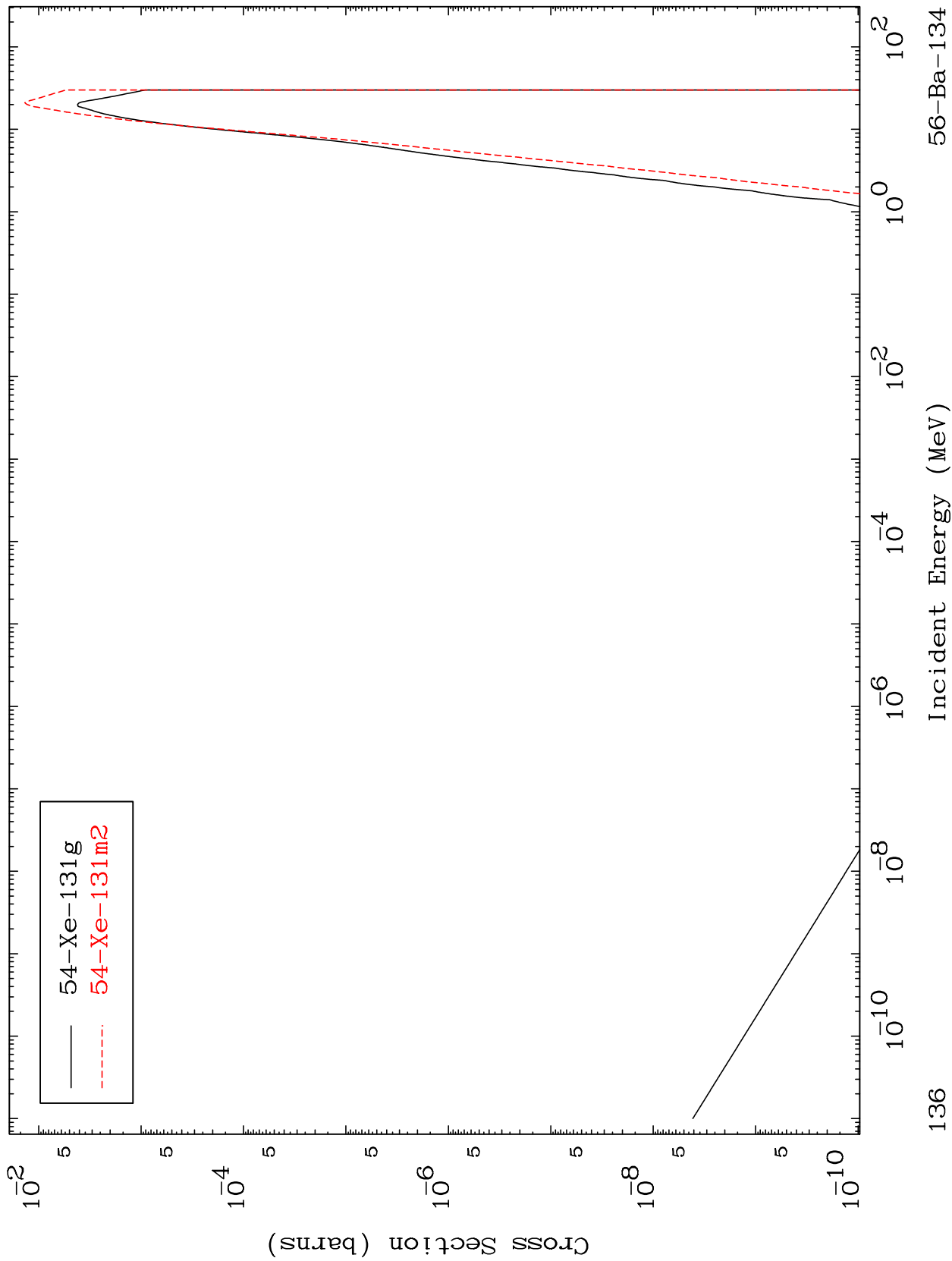
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

(n, α)
Radionuclide Production Cross Section

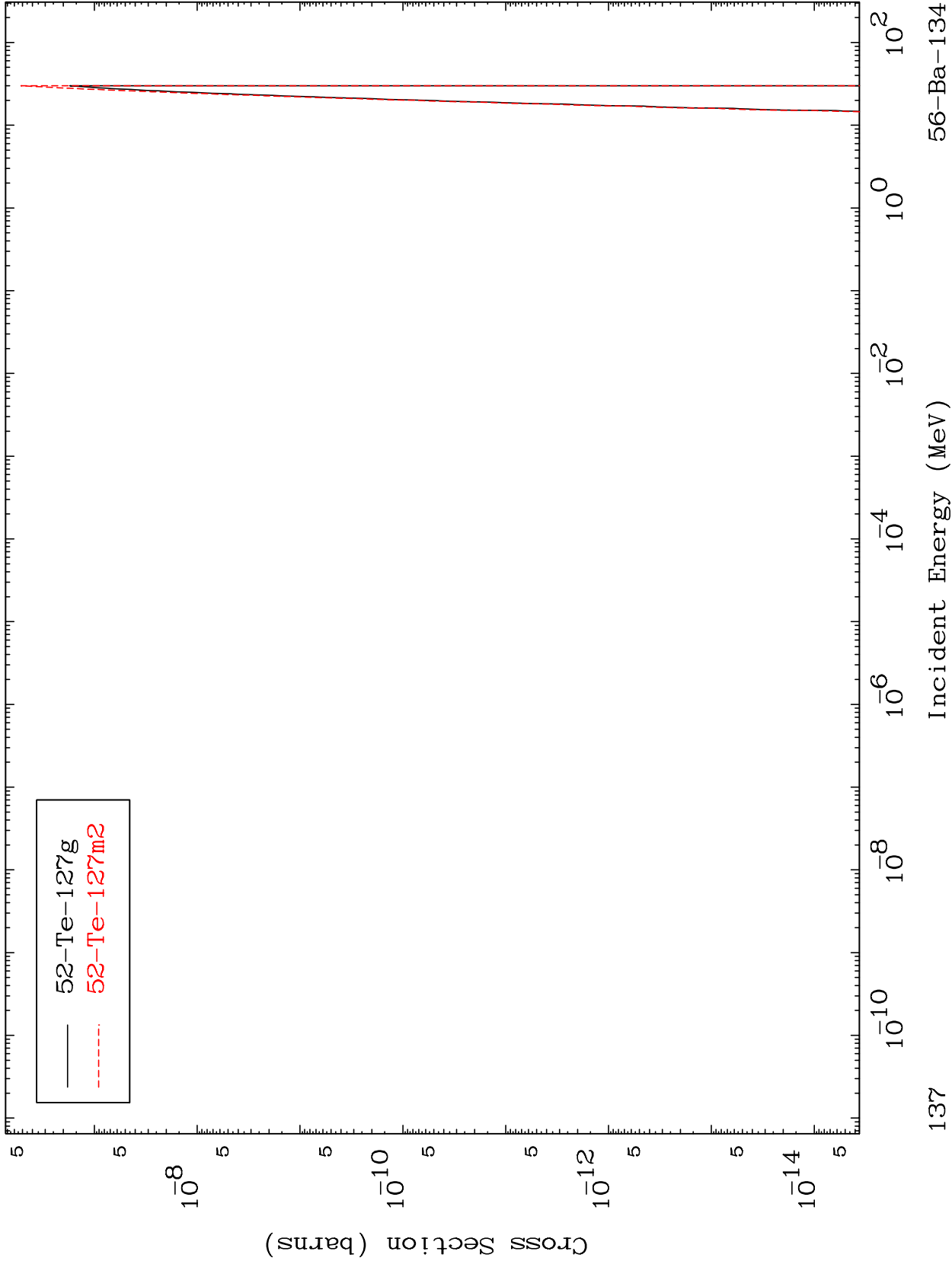


MAT 5637

(n,2α)

56-Ba-134

Radionuclide Production Cross Section



137

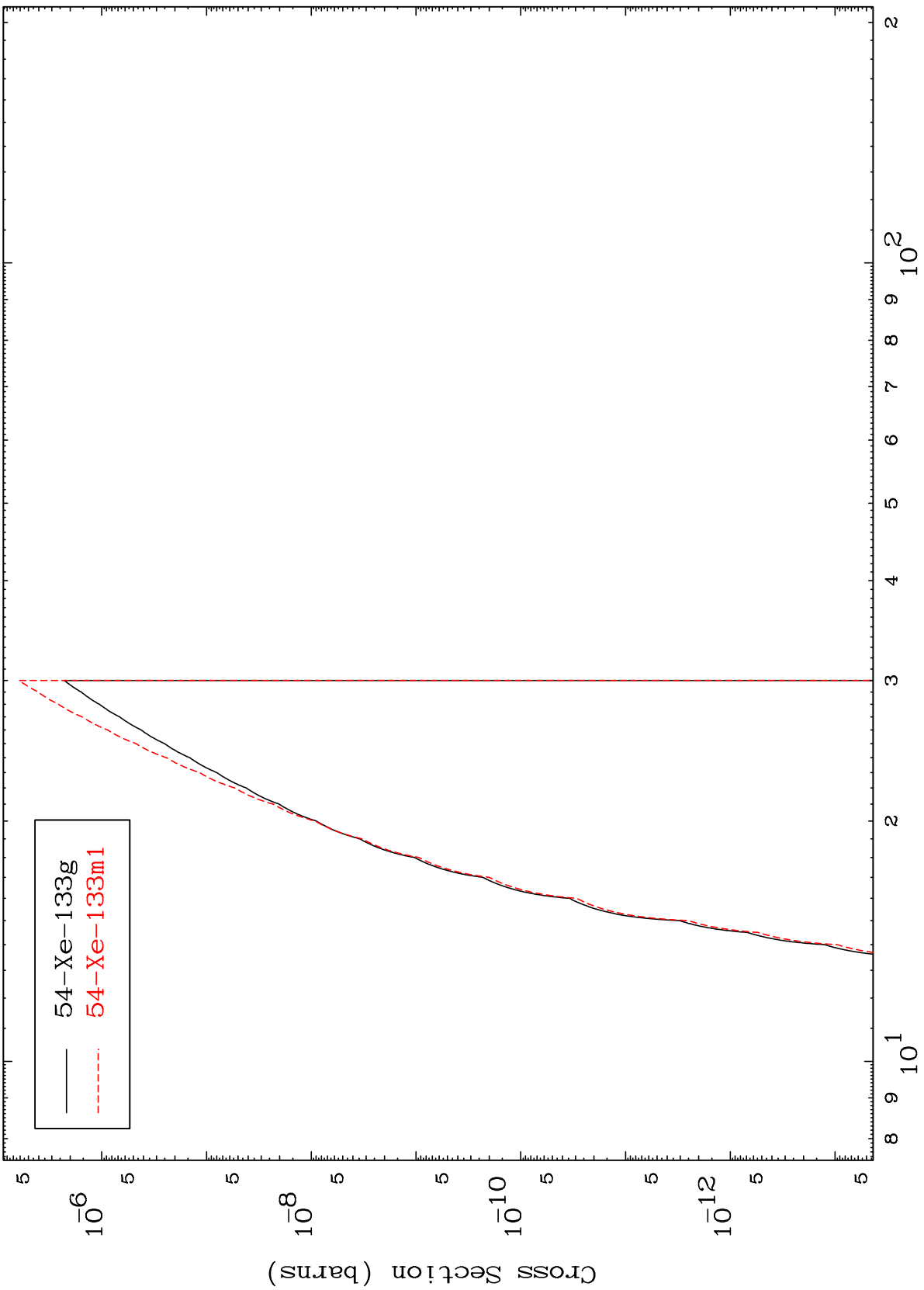
Incident Energy (MeV)

56-Ba-134

MAT 5637

56-Ba-134

(n,2p)
Radionuclide Production Cross Section



54-Xe-133g
54-Xe-133m1

56-Ba-134

Incident Energy (MeV)

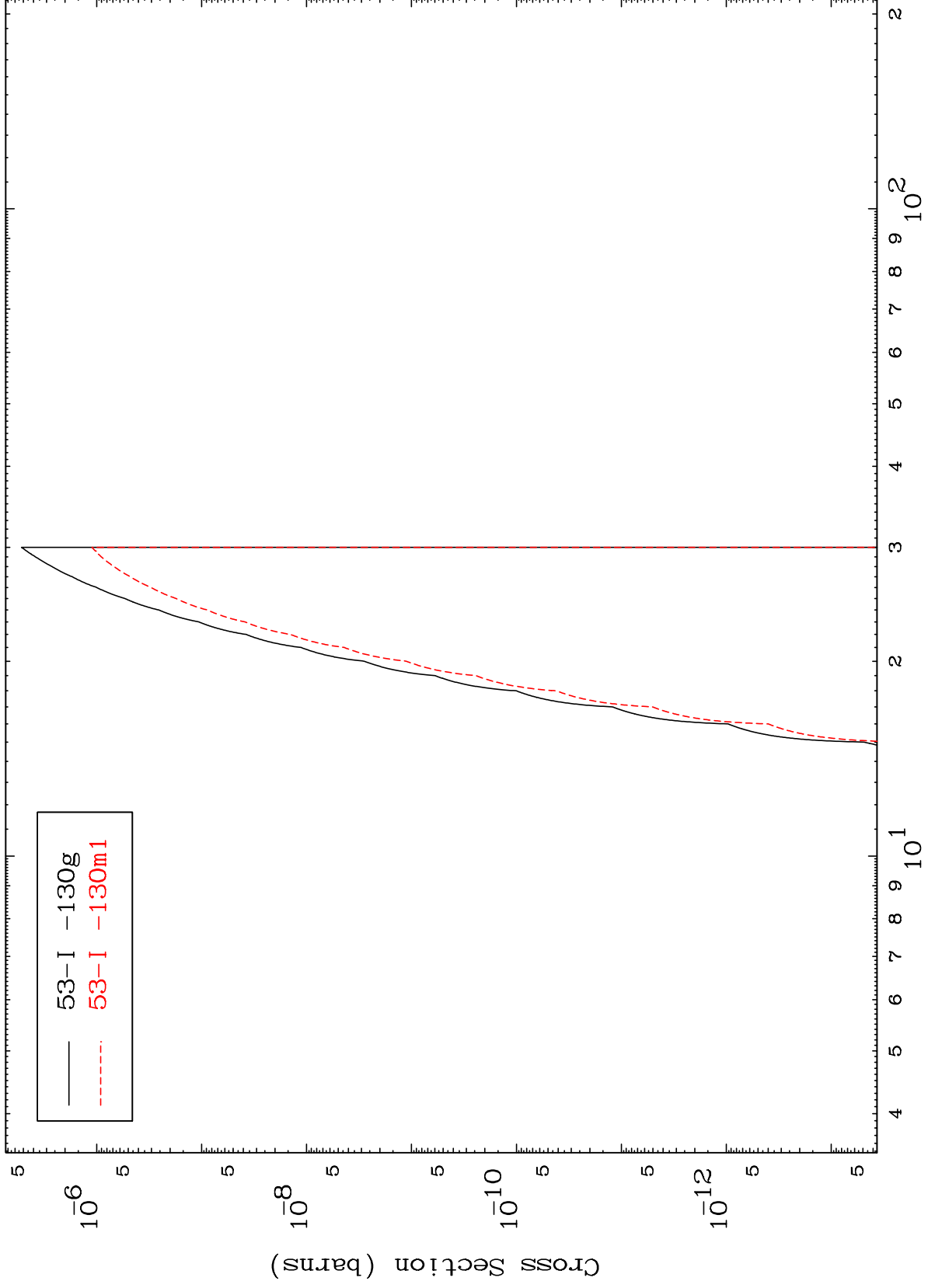
138

MAT 5637

(n,p) α

56-Ba-134

Radionuclide Production Cross Section



53-I -130g
53-I -130m1

139

Incident Energy (MeV)

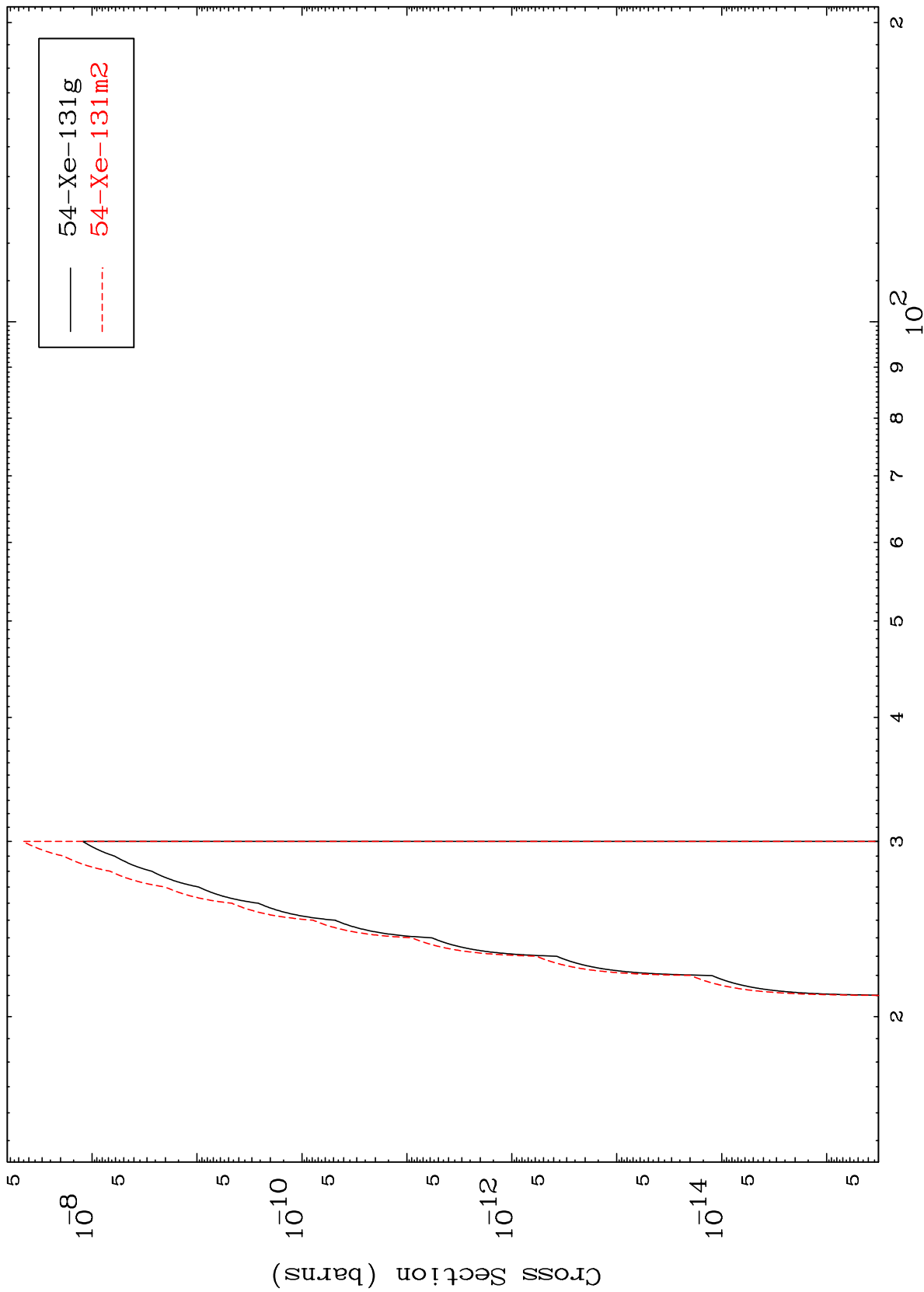
56-Ba-134

MAT 5637

(n,p) t

56-Ba-134

Radionuclide Production Cross Section



140

Incident Energy (MeV)

56-Ba-134