

Program EVALPLOT  
(Version 2021-1)

by

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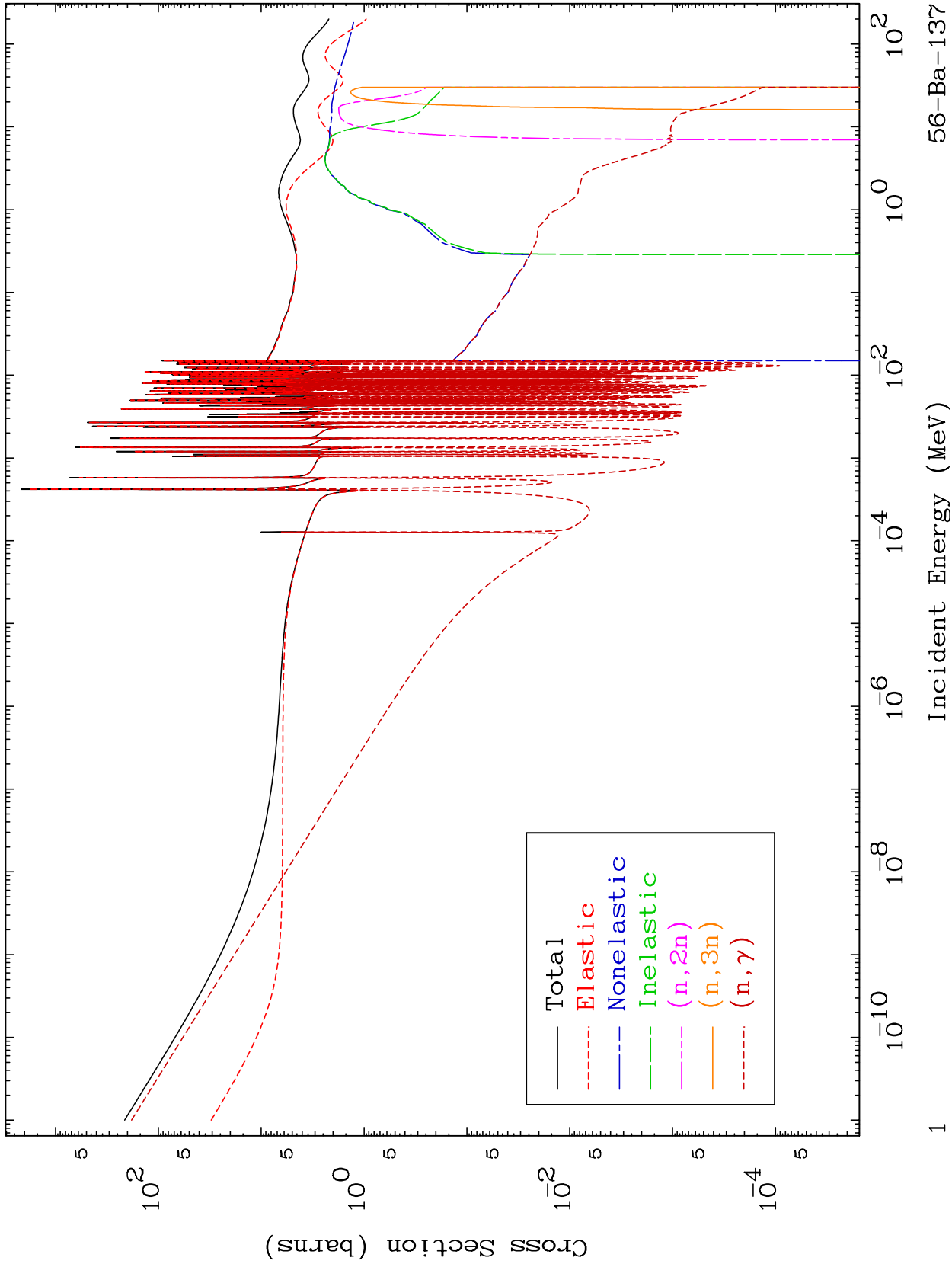
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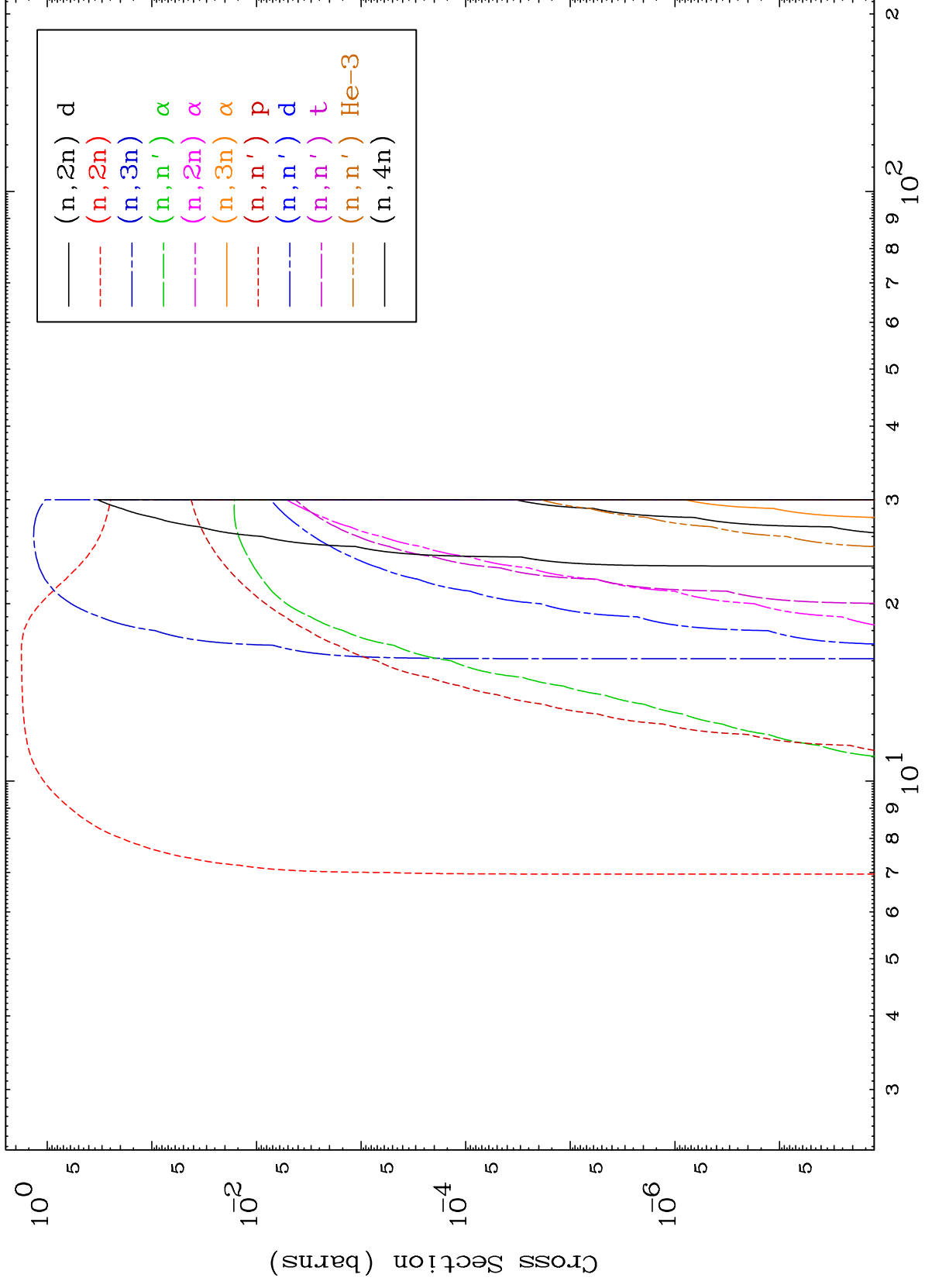
Press Mouse Button to Start

MAT 5646

Neutron Major  
293 Kelvin Cross Sections

56-Ba-137

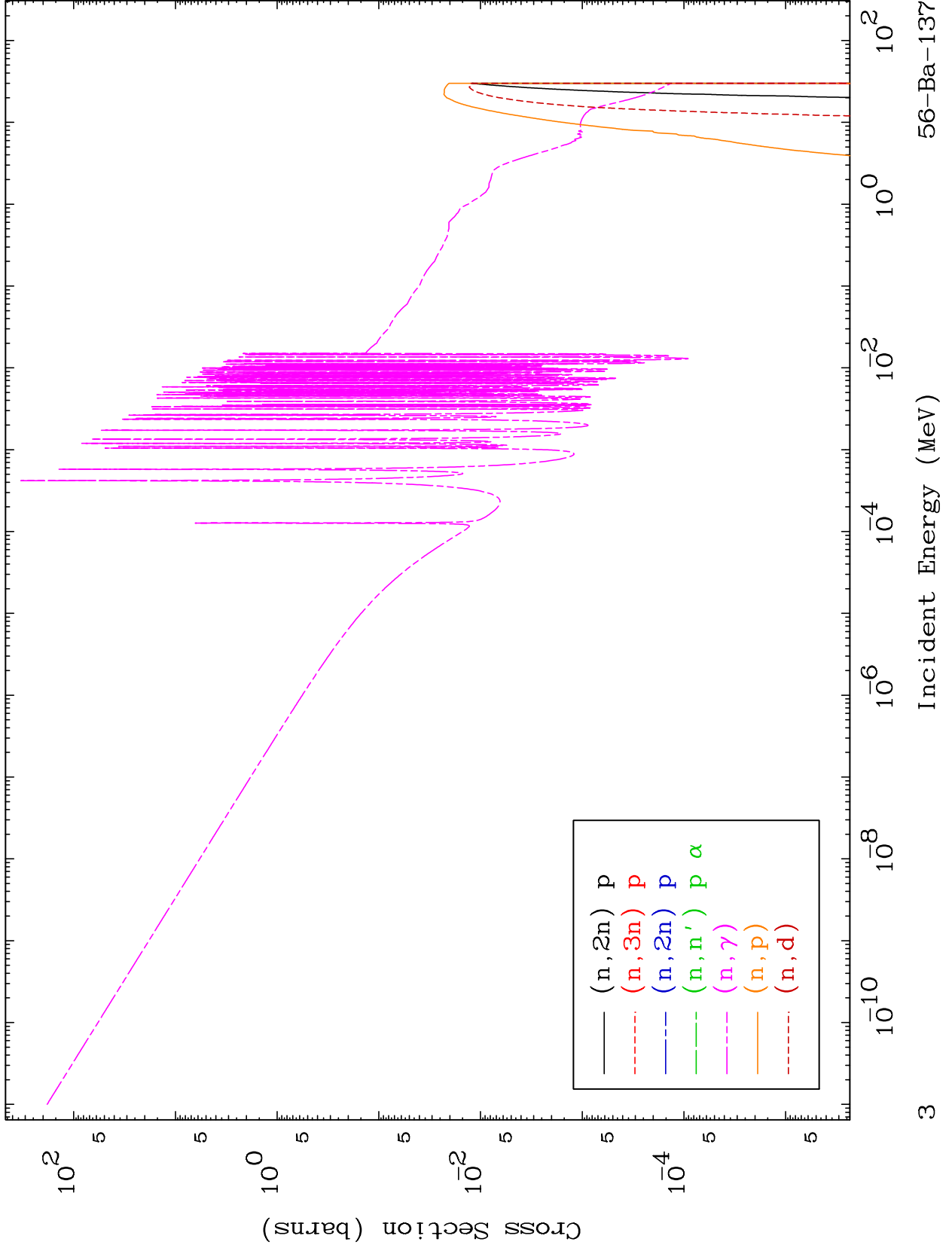




MAT 5646

Neutron Absorption  
293 Kelvin Cross Sections

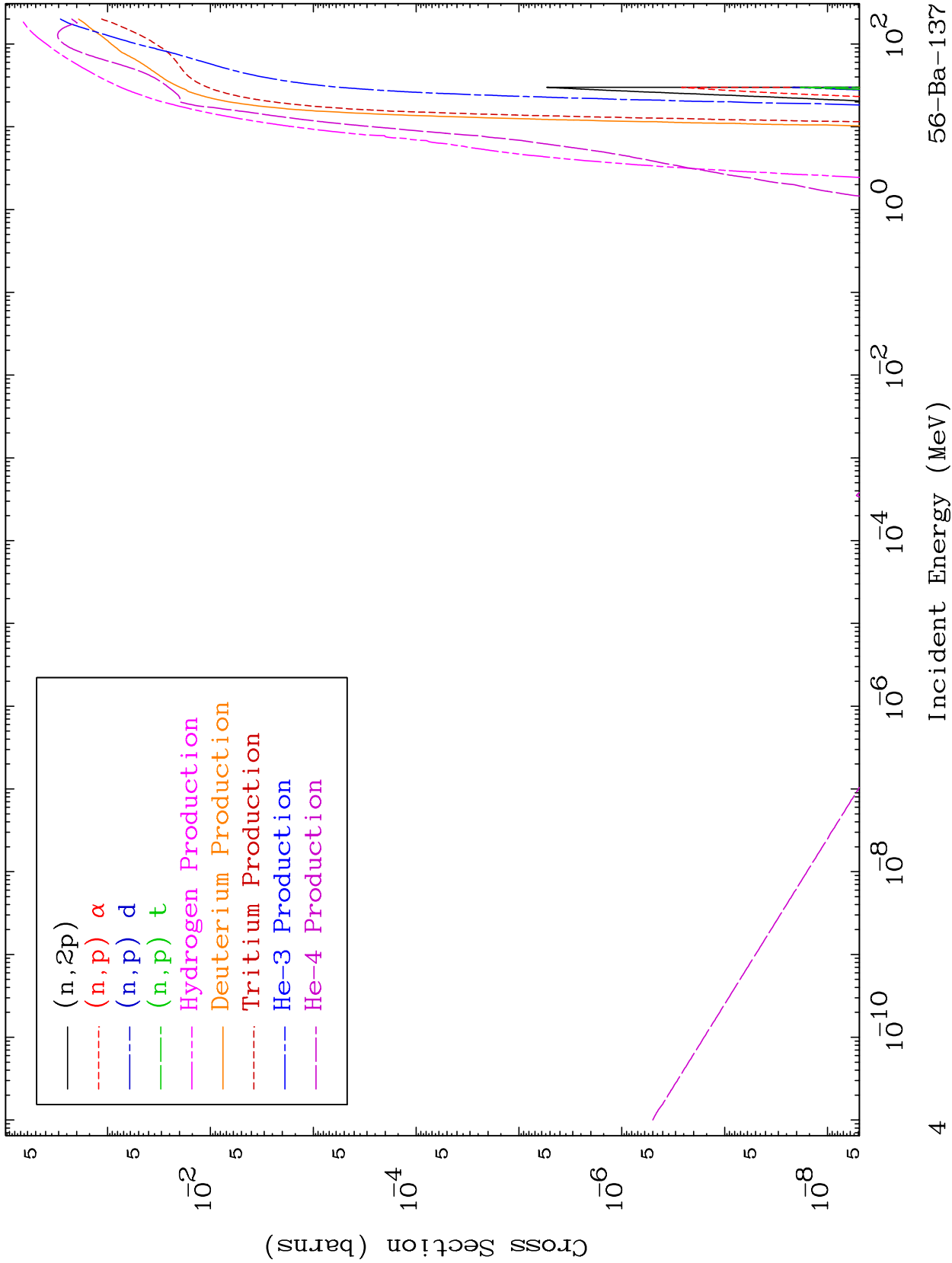
56-Ba-137



MAT 5646

Neutron Absorption  
293 Kelvin Cross Sections

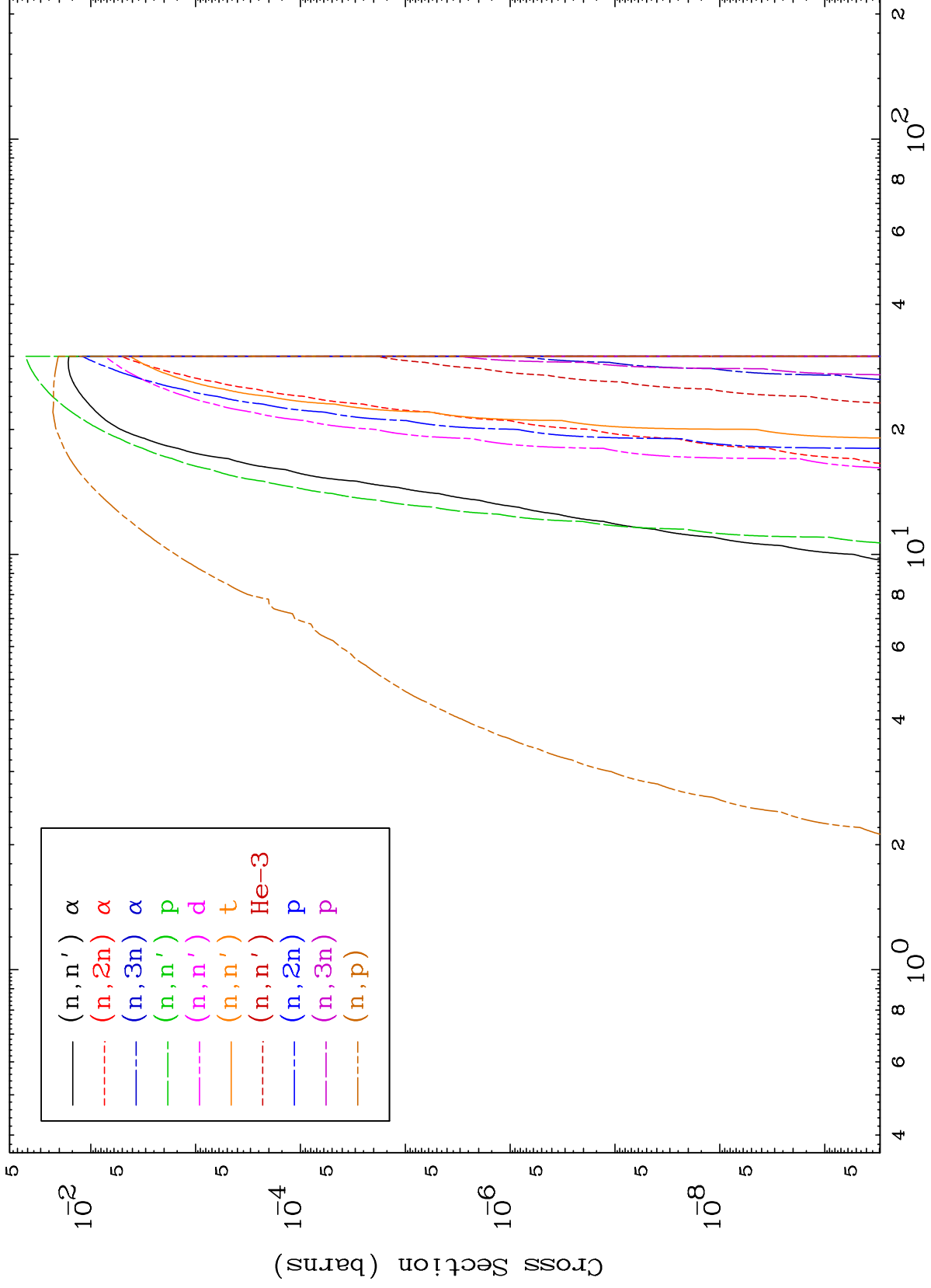
56-Ba-137



MAT 5646

Charged Particle  
293 Kelvin Cross Sections

56-Ba-137



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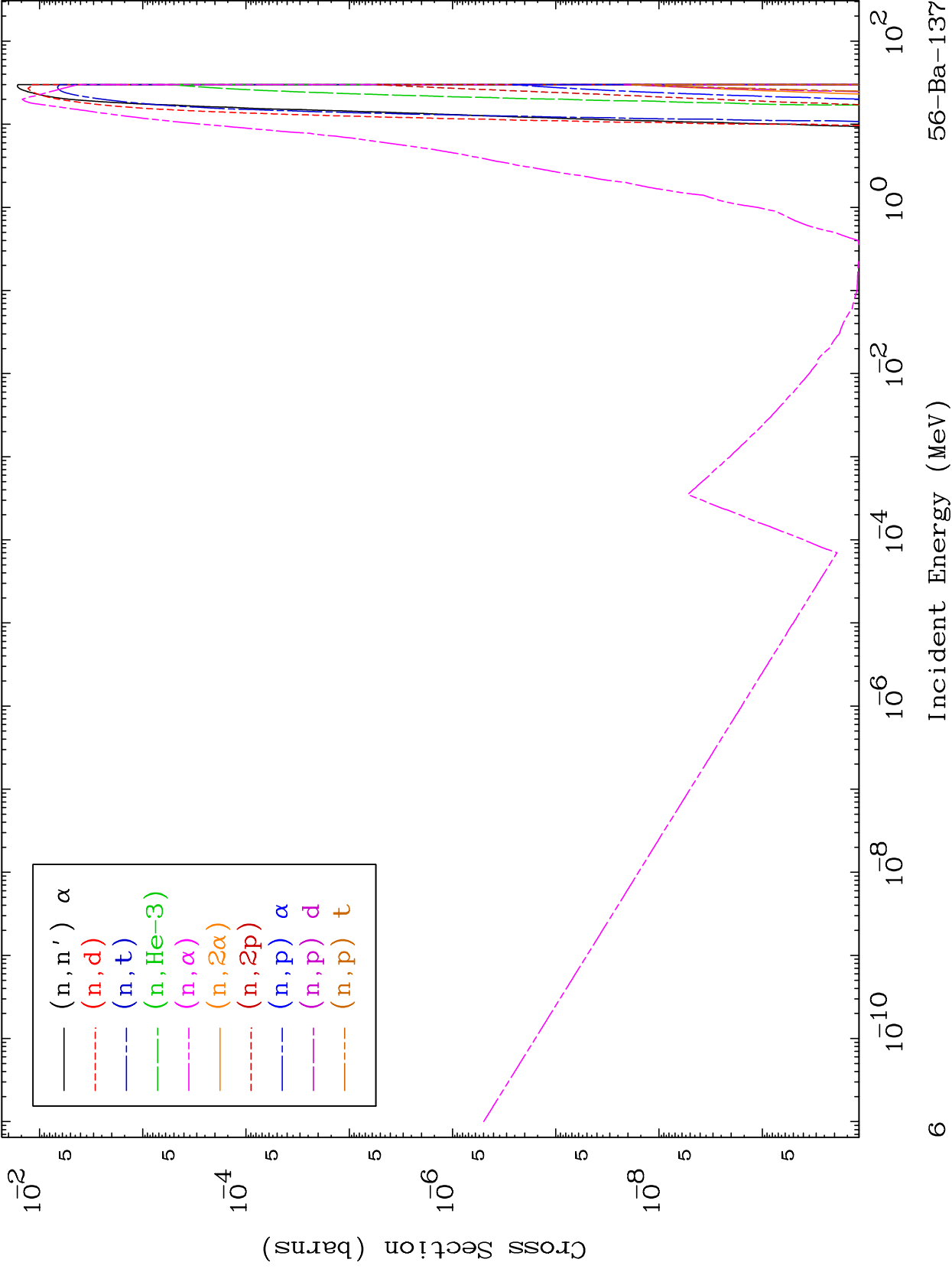
Incident Energy (MeV)

56-Ba-137

MAT 5646

Charged Particle  
293 Kelvin Cross Sections

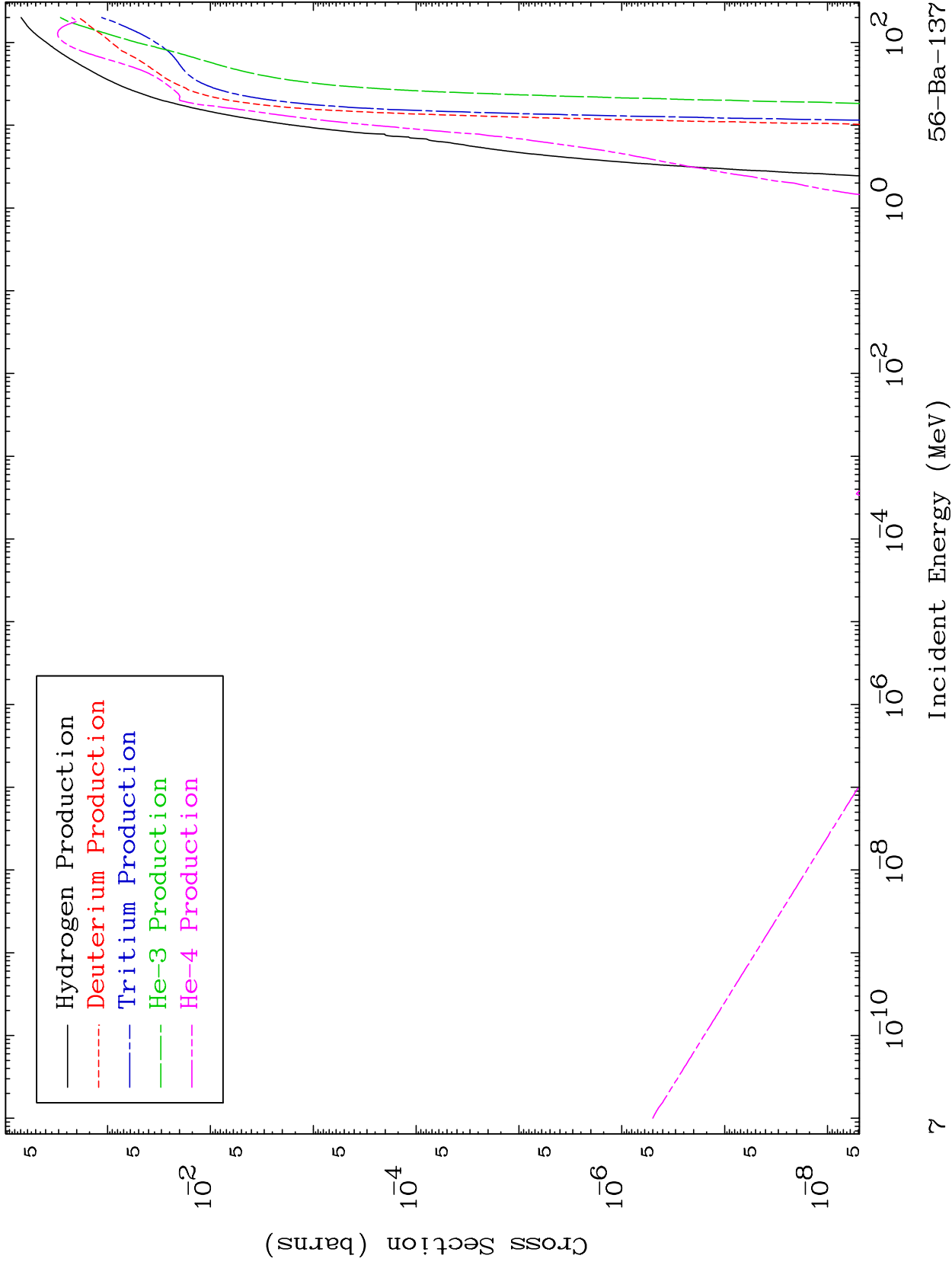
56-Ba-137



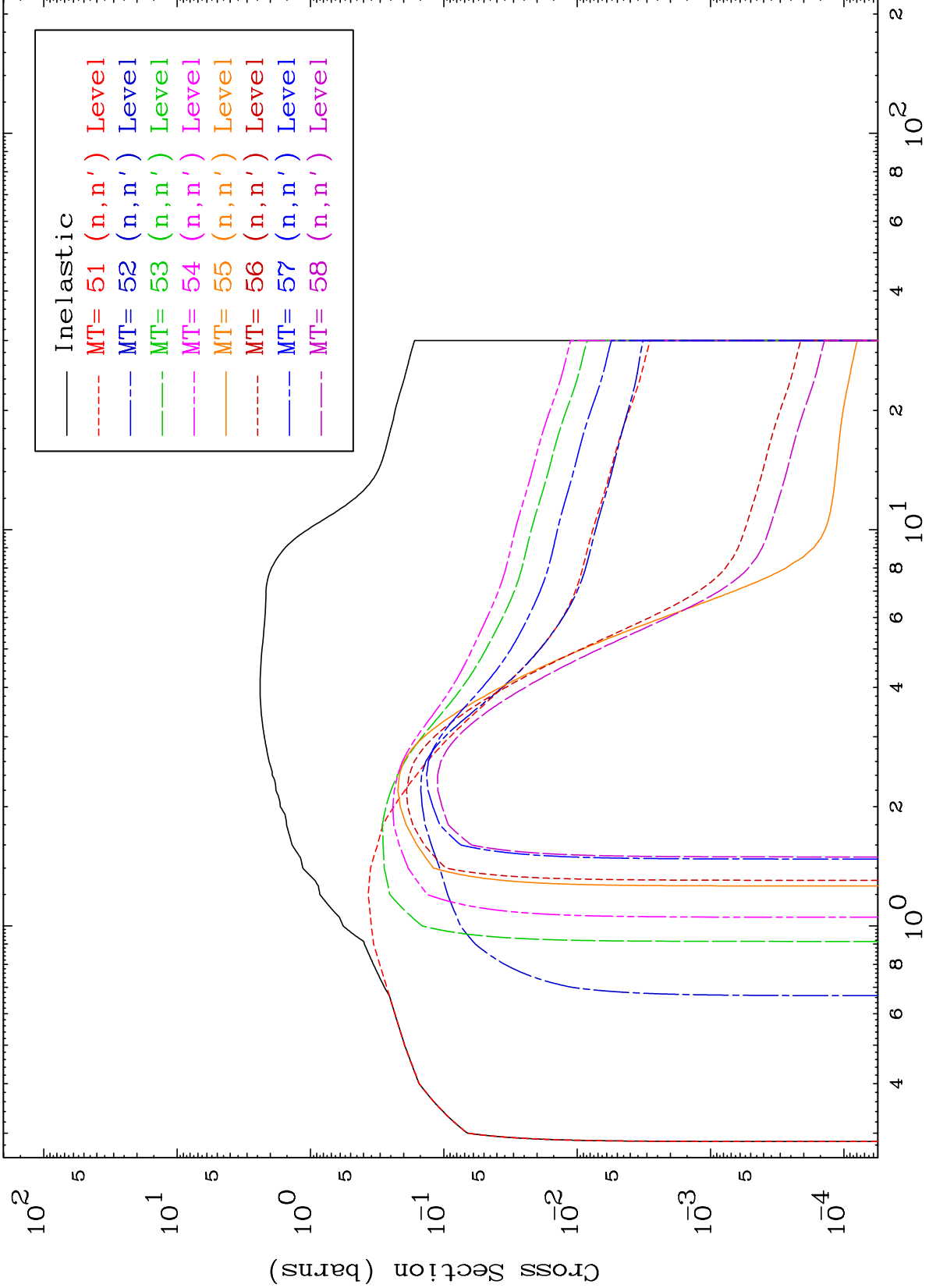
MAT 5646

Particle Production  
293 Kelvin Cross Sections

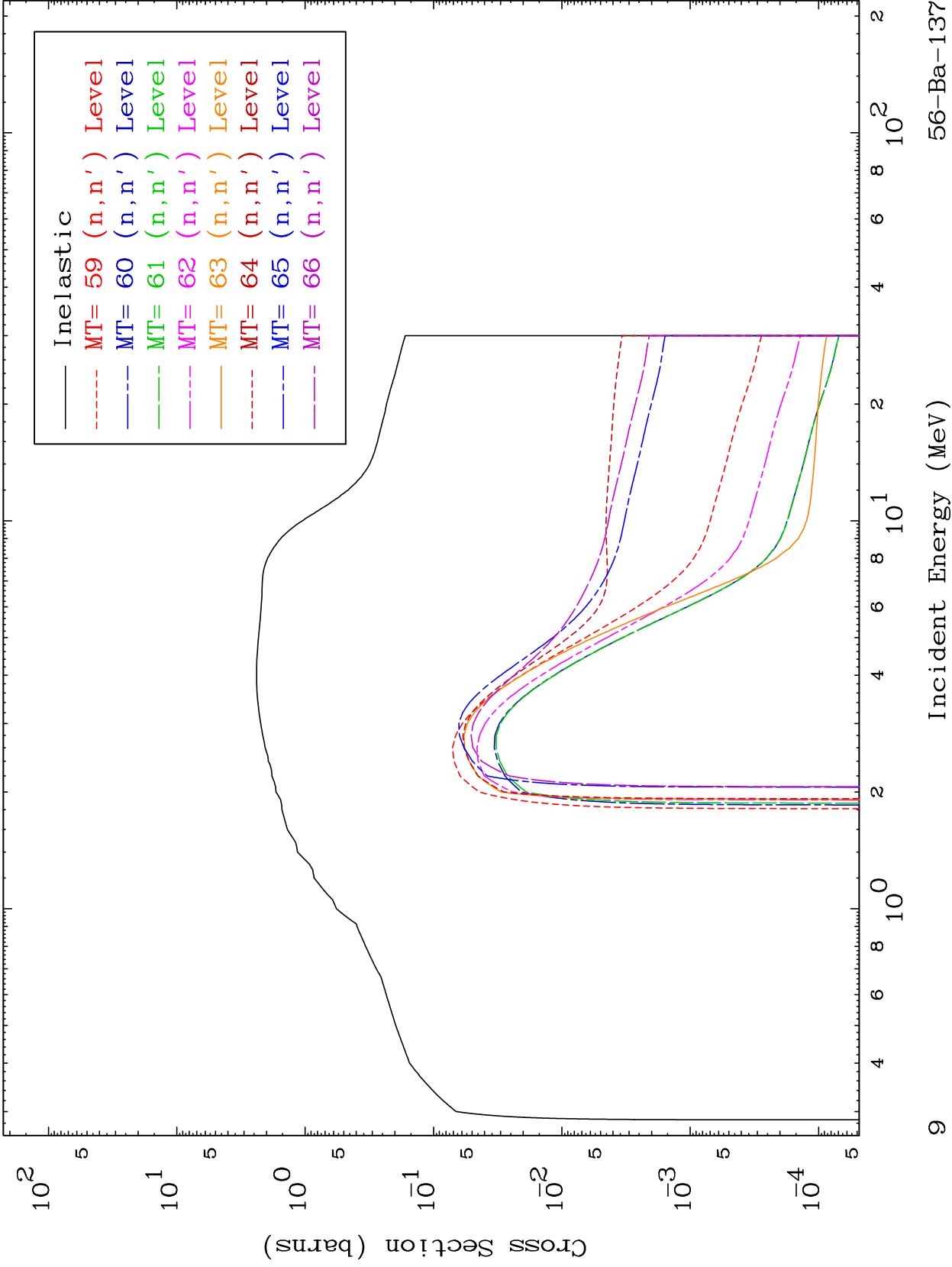
56-Ba-137



293 Kelvin Cross Sections



293 Kelvin Cross Sections

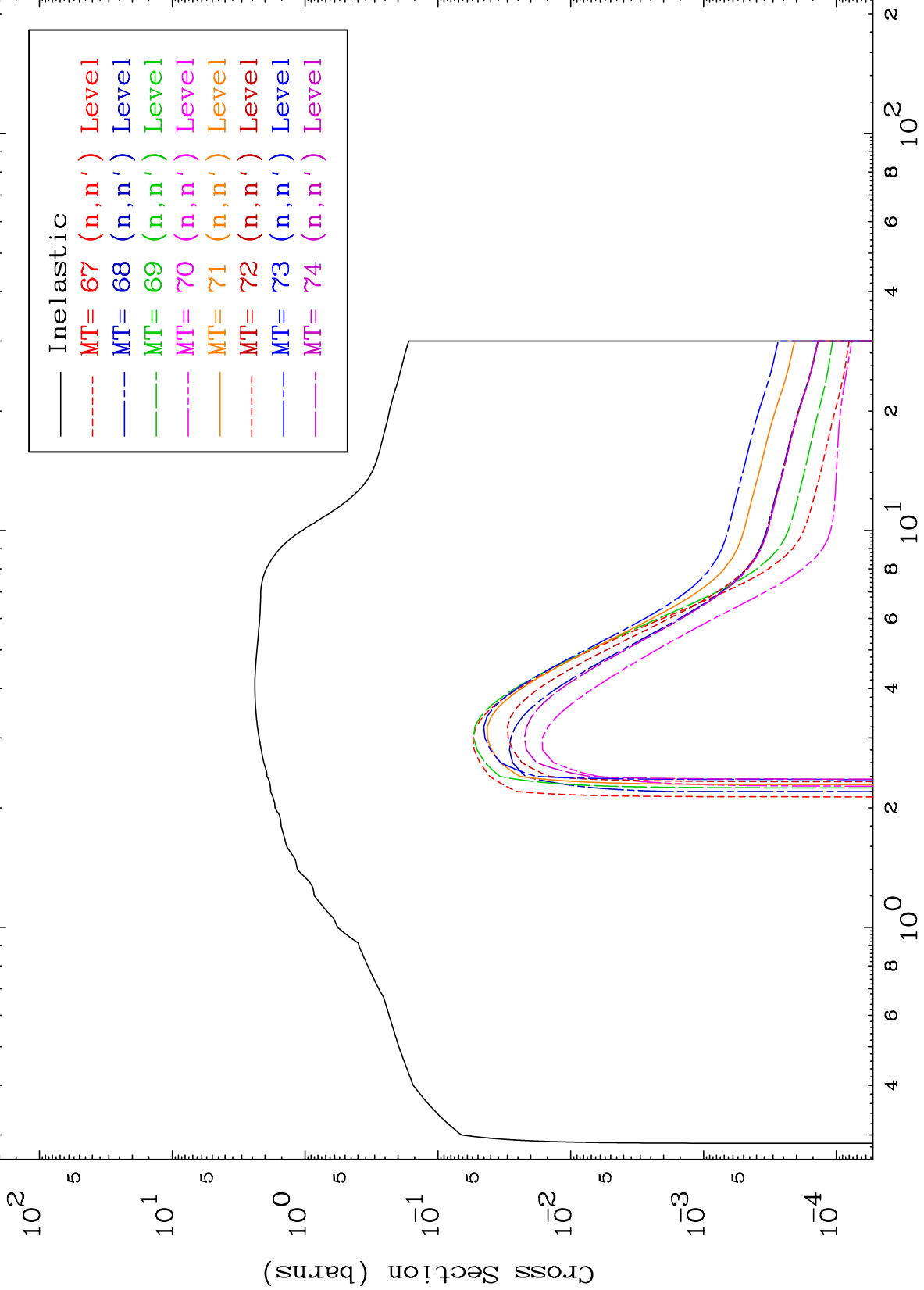


MAT 5646

(n,n') Levels

293 Kelvin Cross Sections

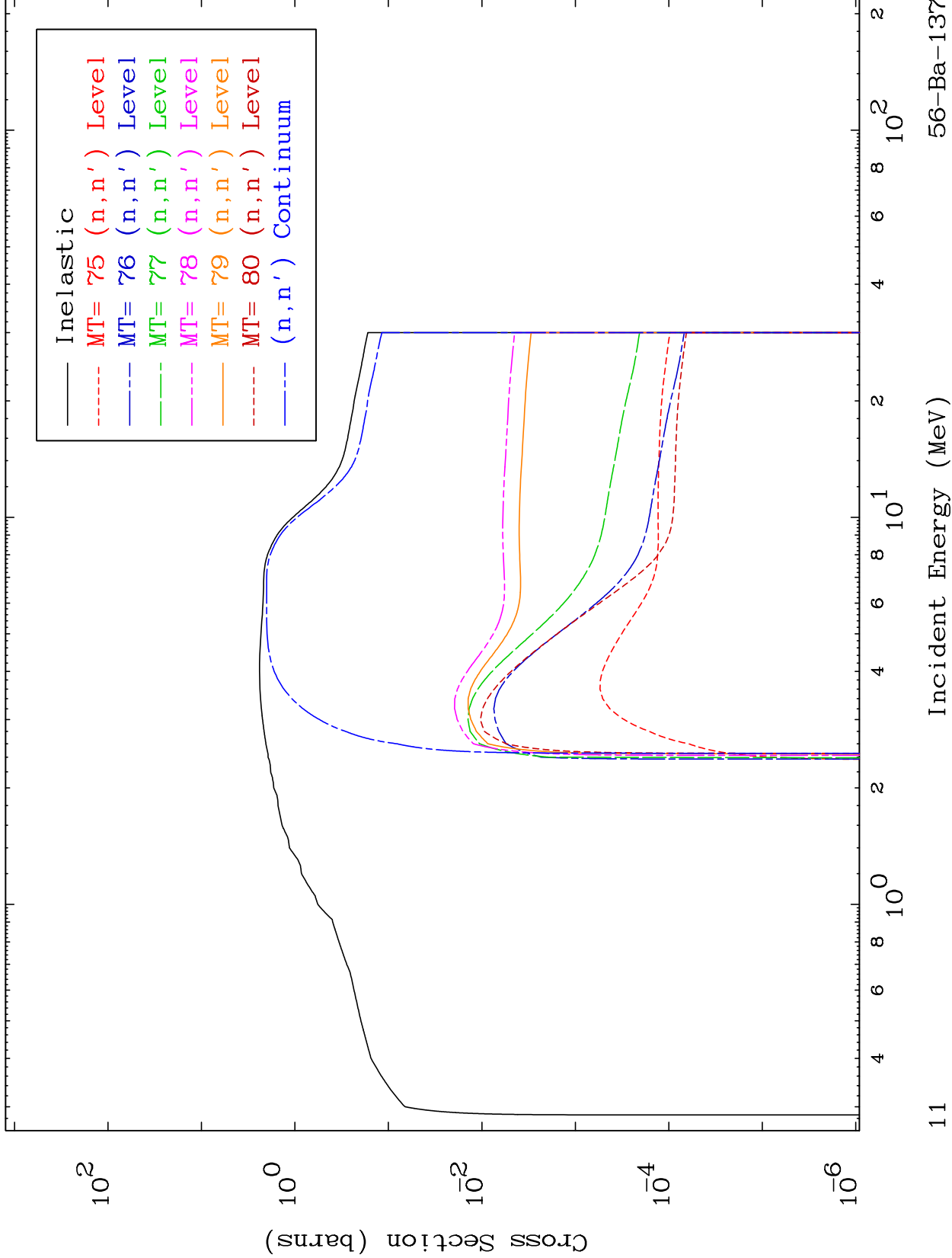
56-Ba-137



10

Incident Energy (MeV)

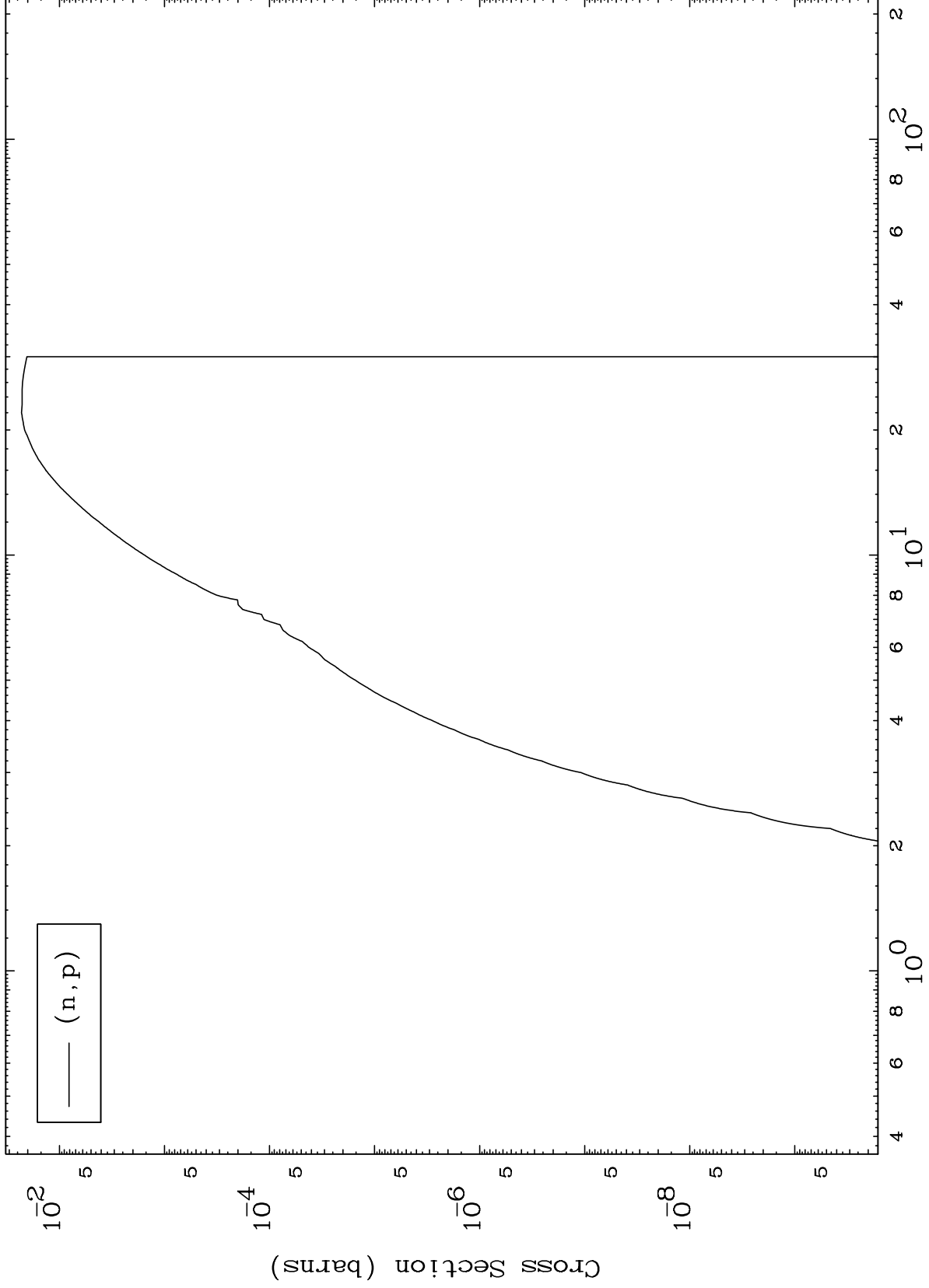
56-Ba-137



MAT 5646

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-137



12

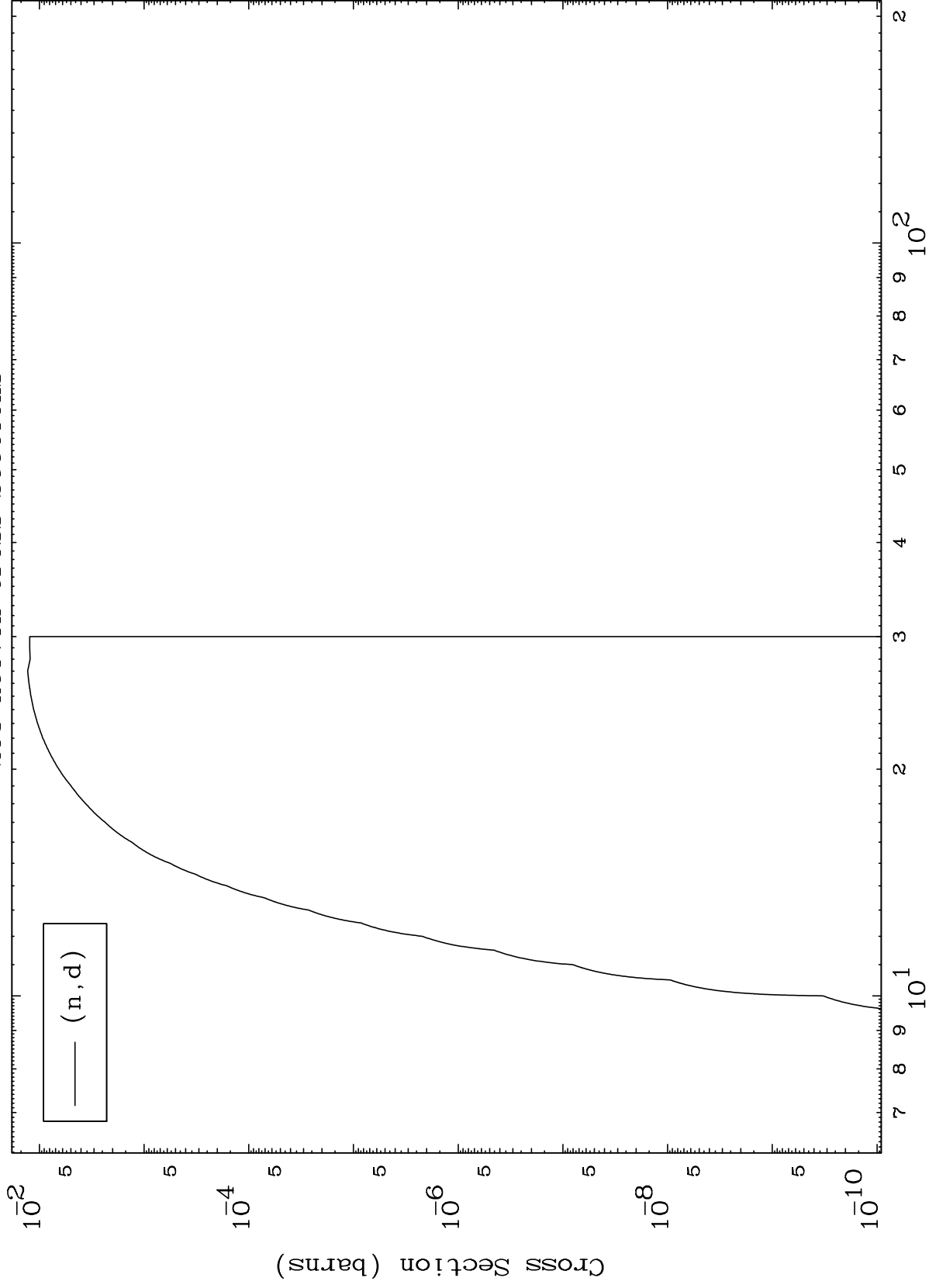
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-137



13

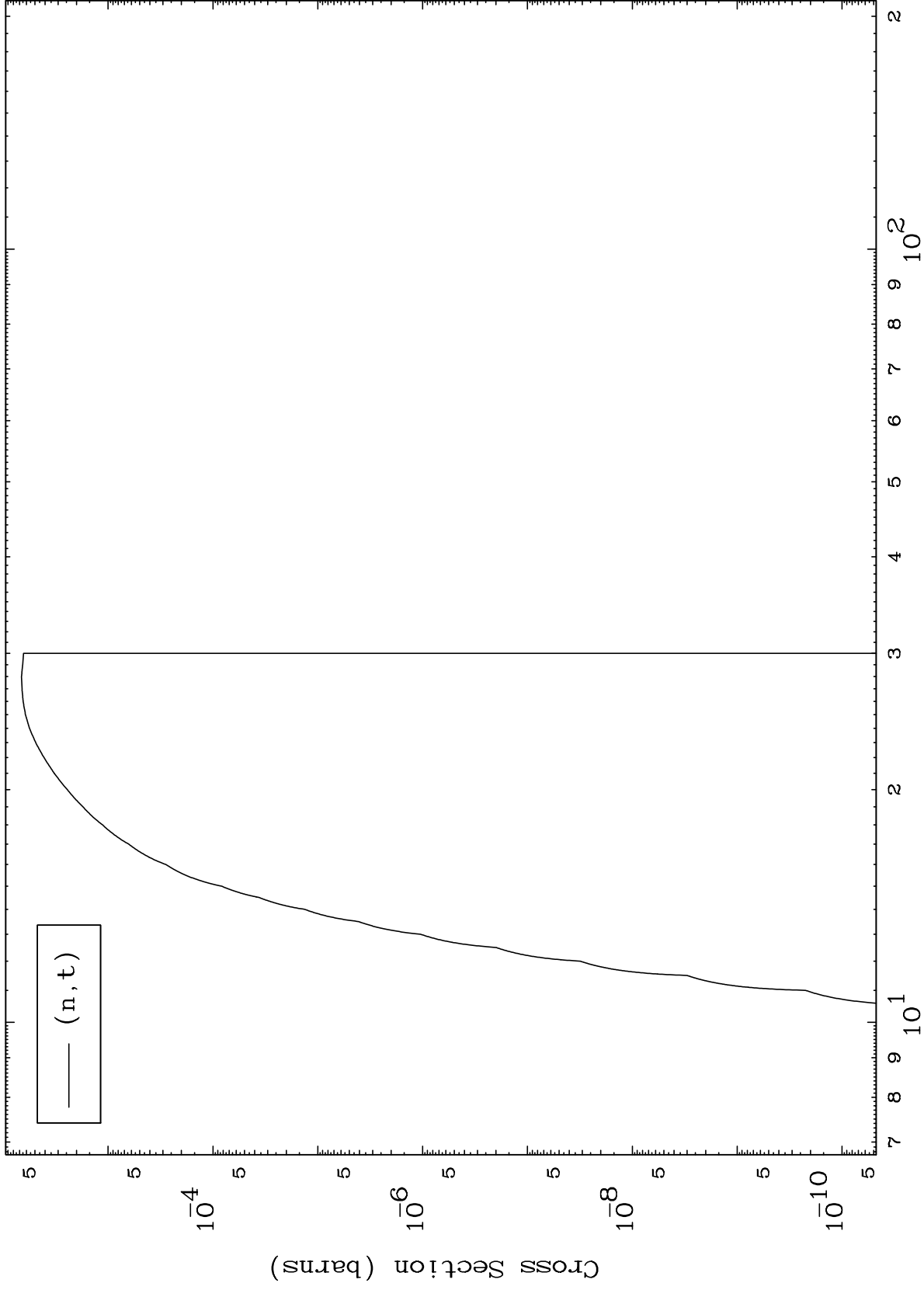
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-137



14

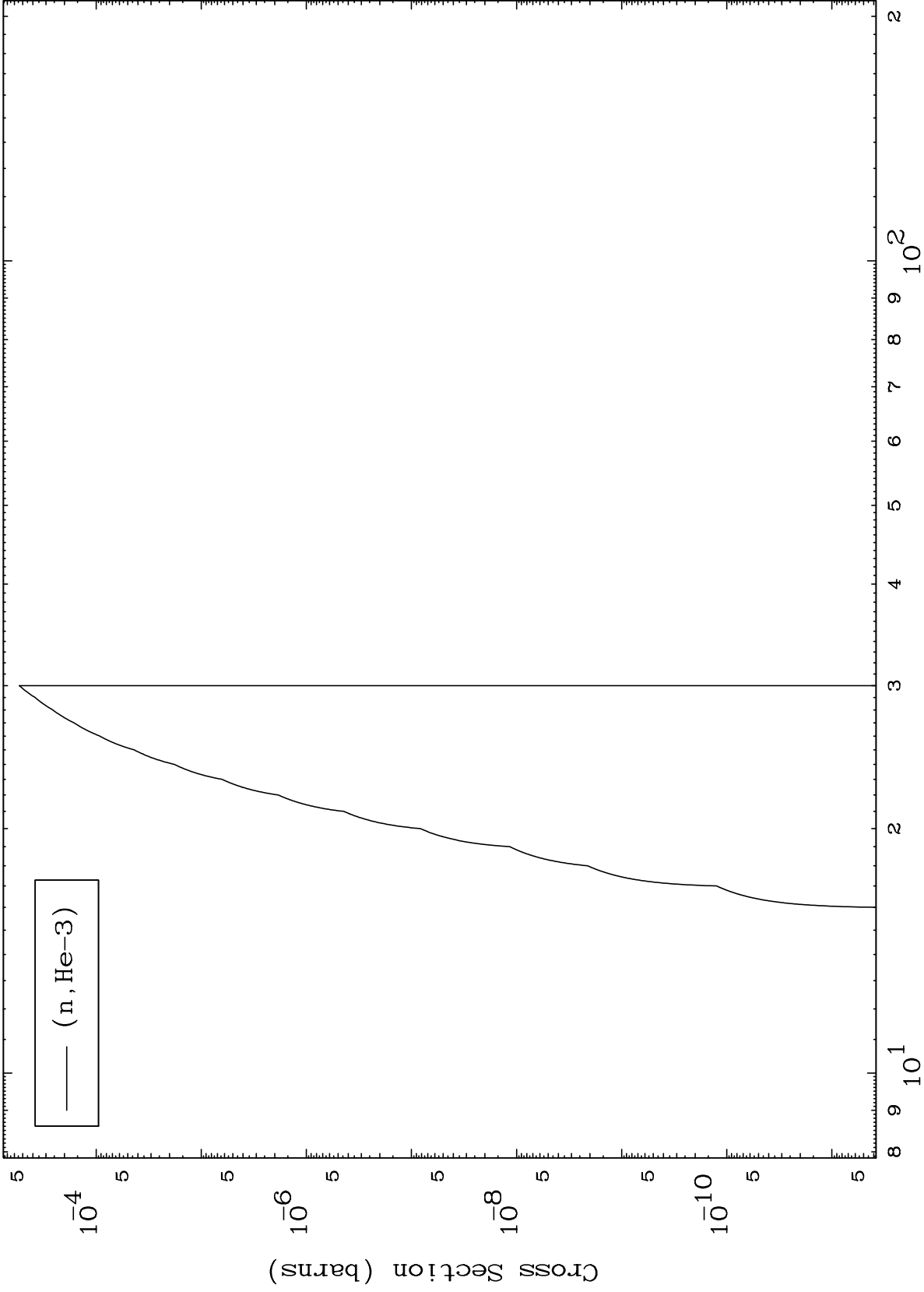
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-137



15

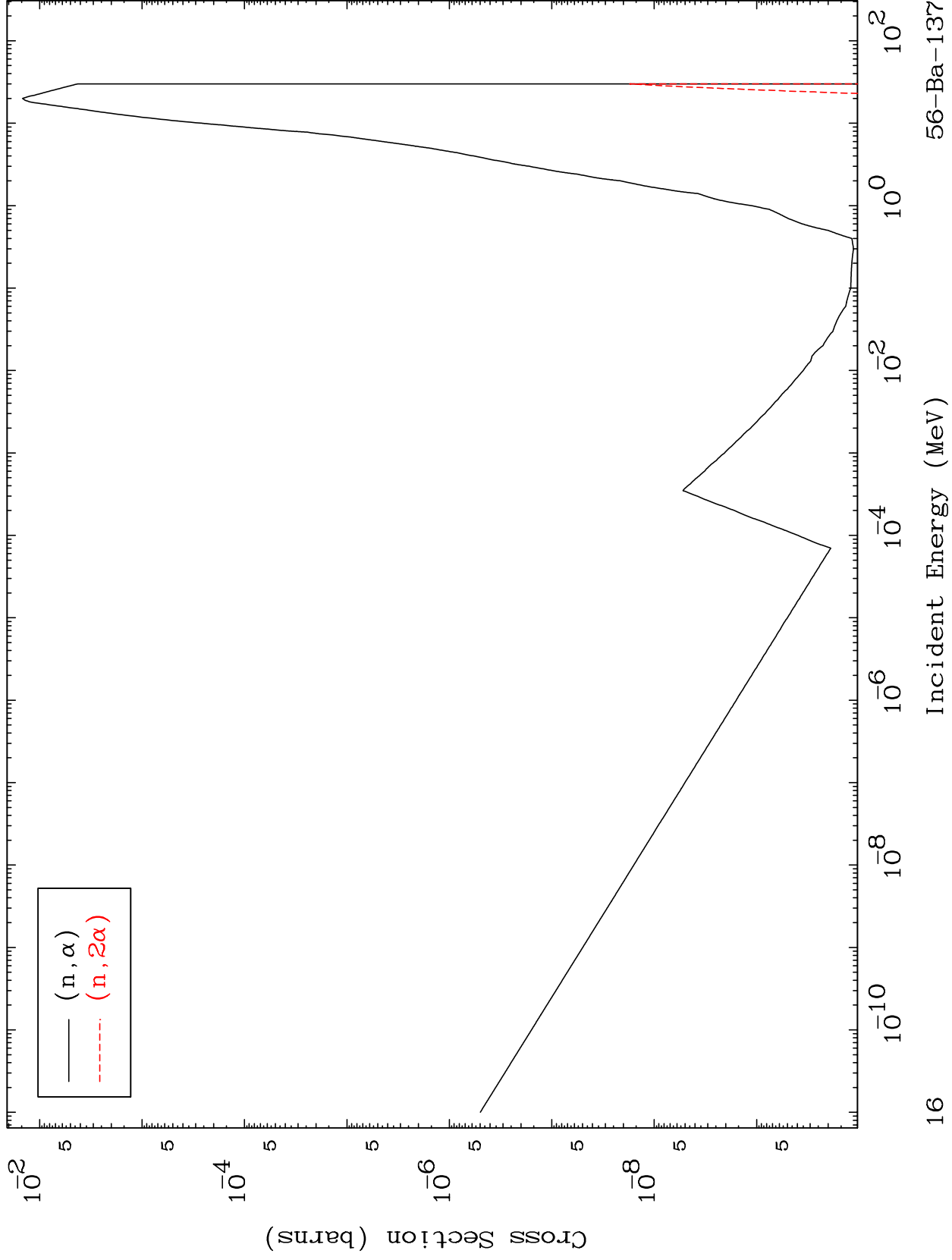
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

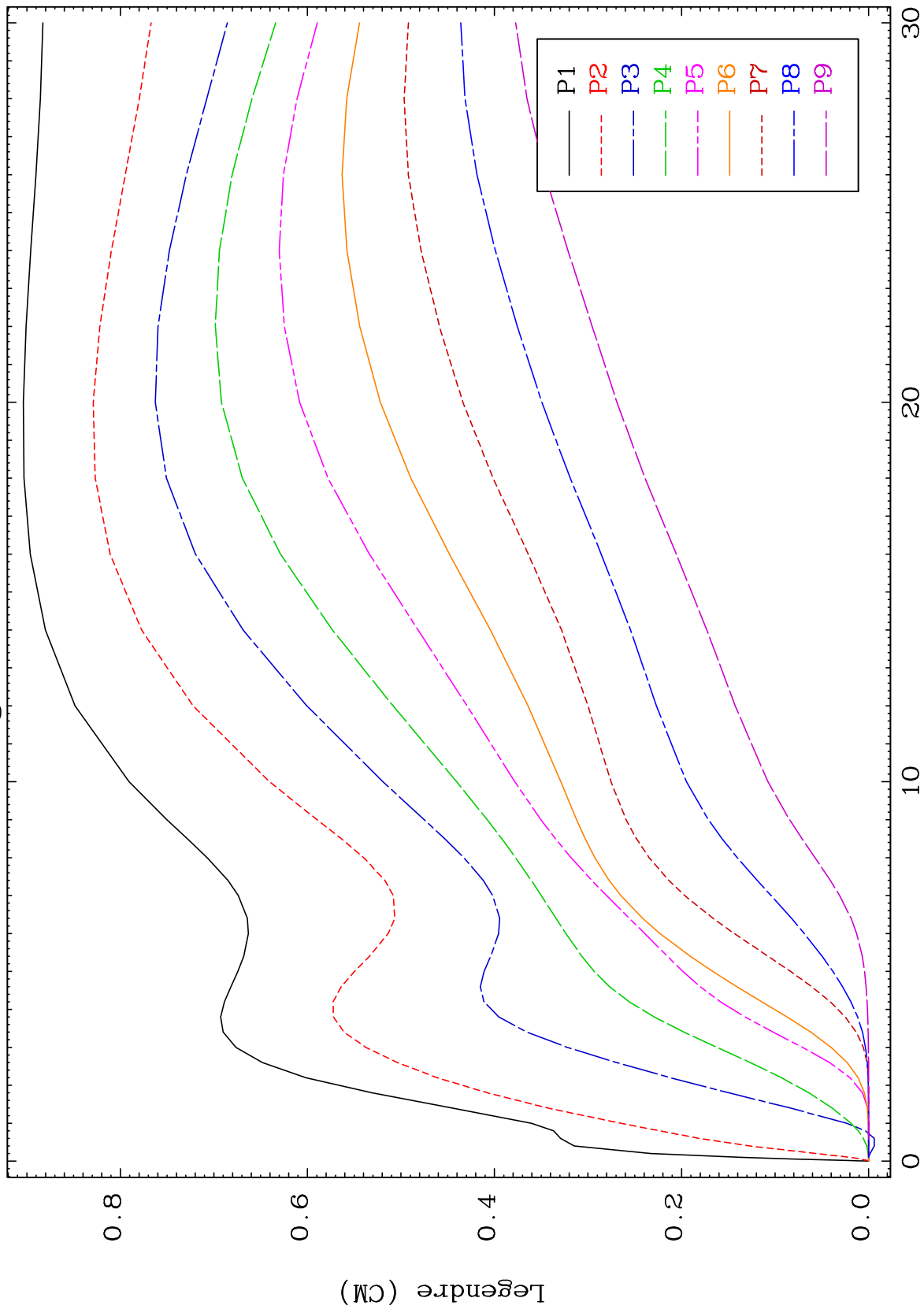
56-Ba-137



MAT 5646

Elastic Legendre Coefficients

56-Ba-137



17

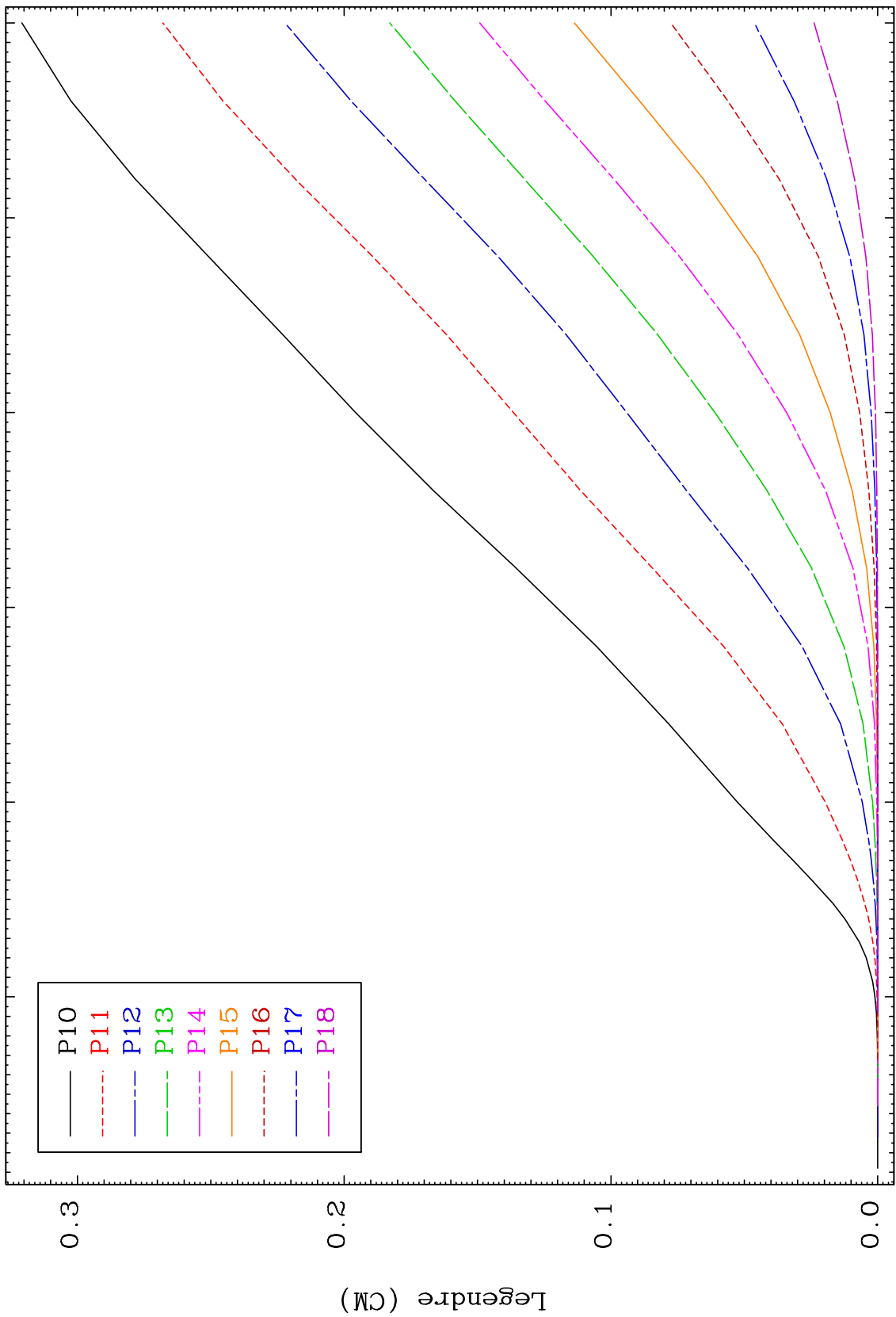
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



18

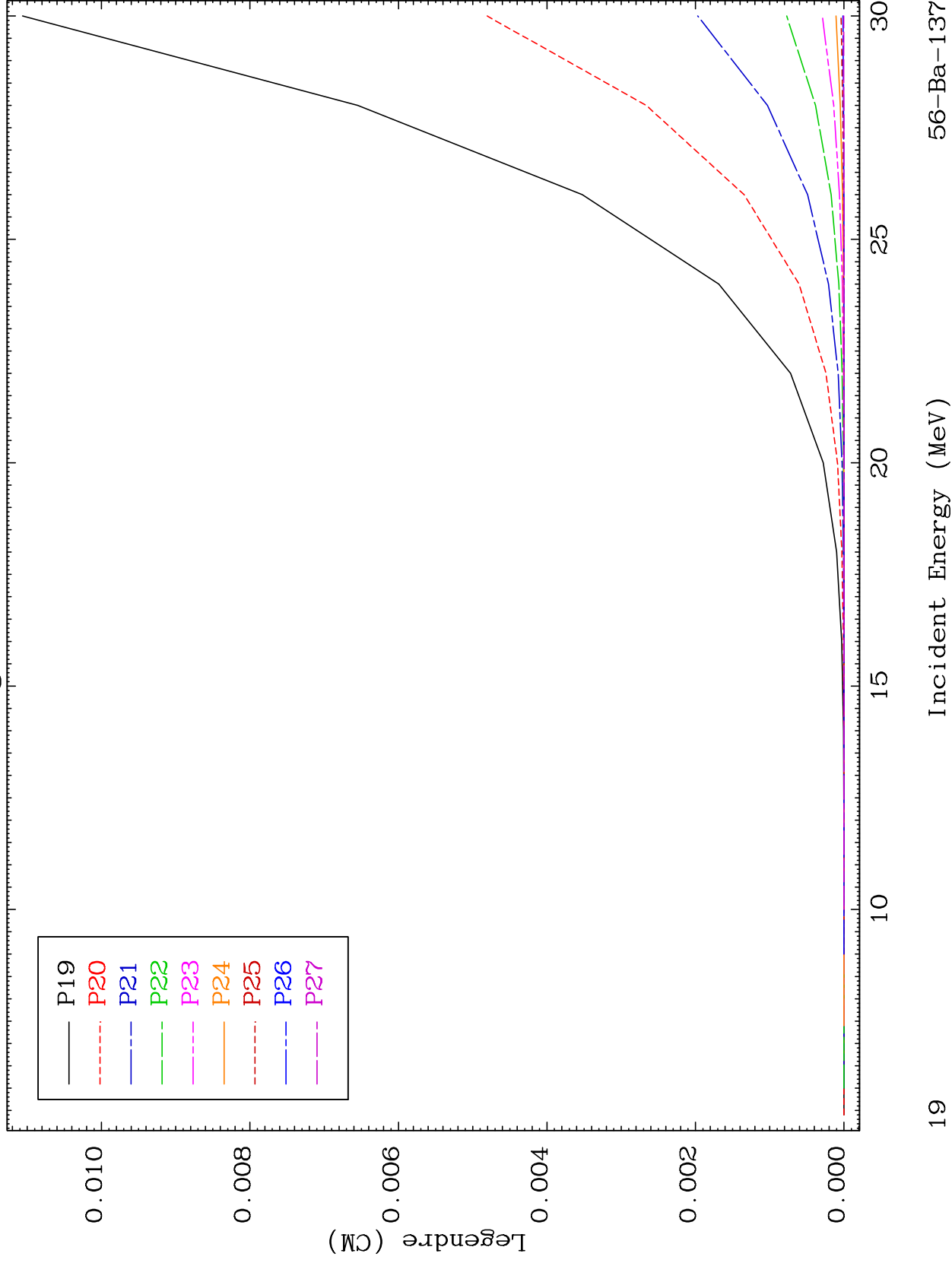
Incident Energy (MeV)

56-Ba-137

MAT 5646

### Elastic Legendre Coefficients

56-Ba-137



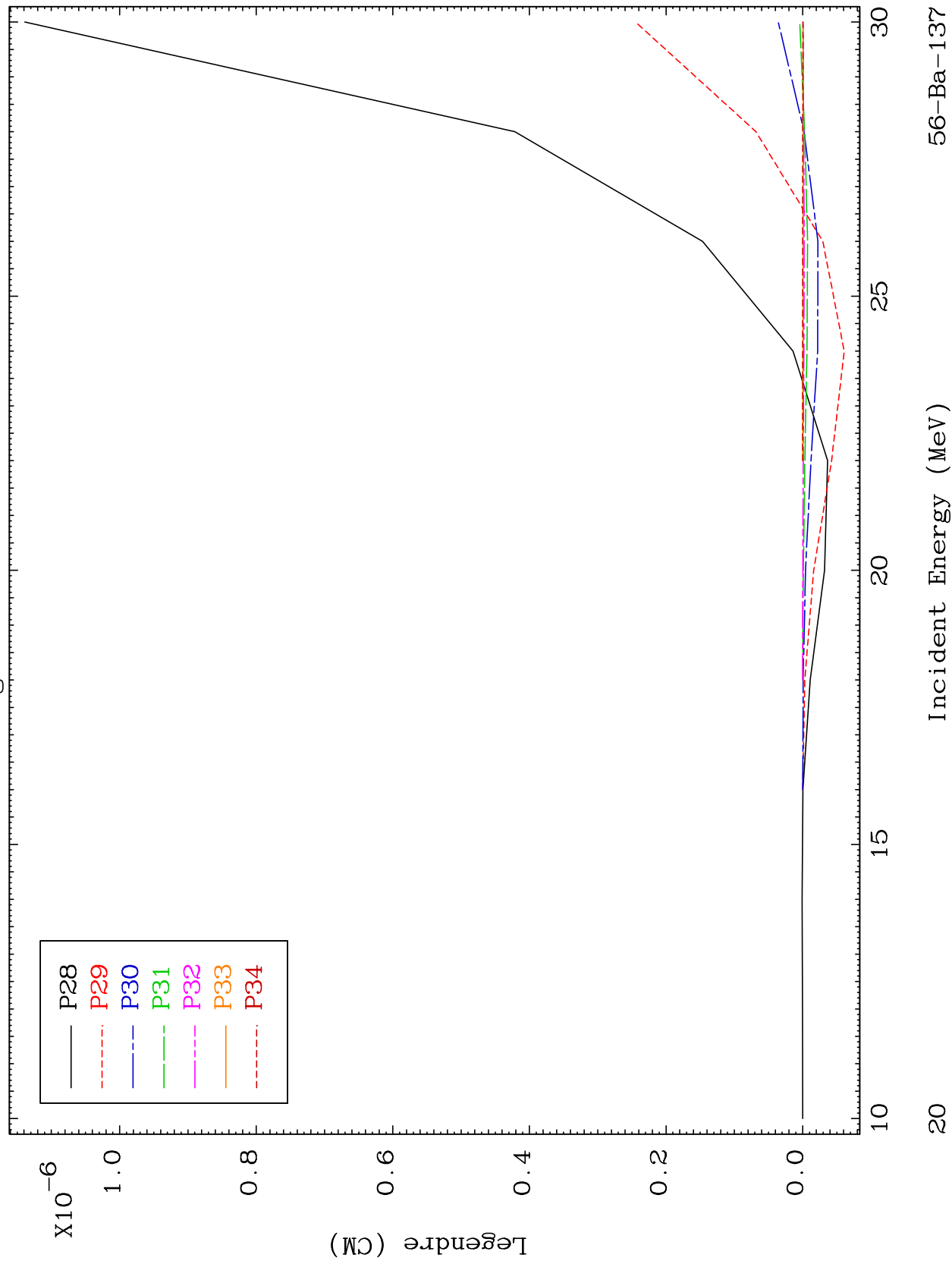
19

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



56-Ba-137

Incident Energy (MeV)

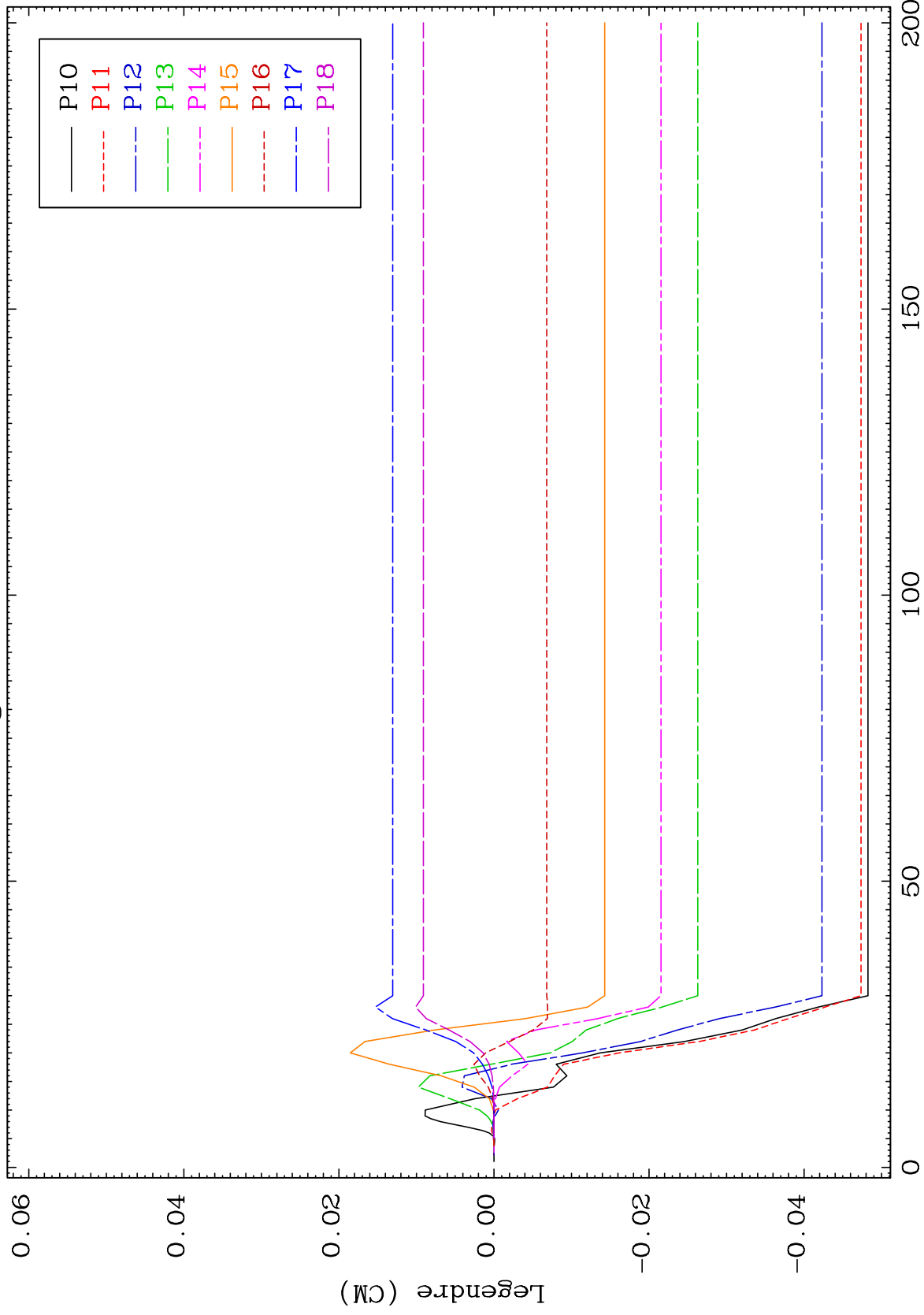
20



MAT 5646

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

56-Ba-137



22

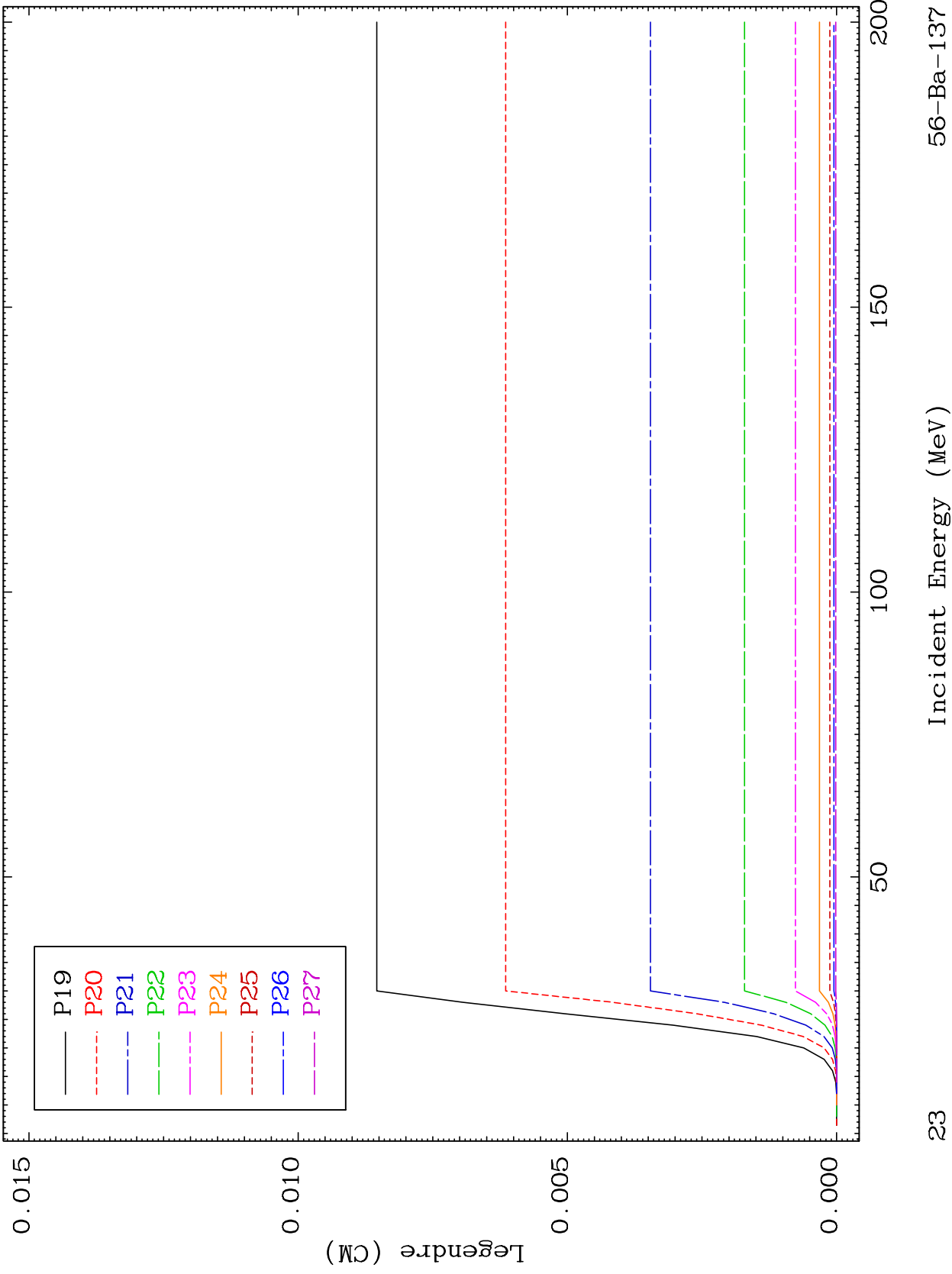
56-Ba-137

56-Ba-137

MAT 5646

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

56-Ba-137



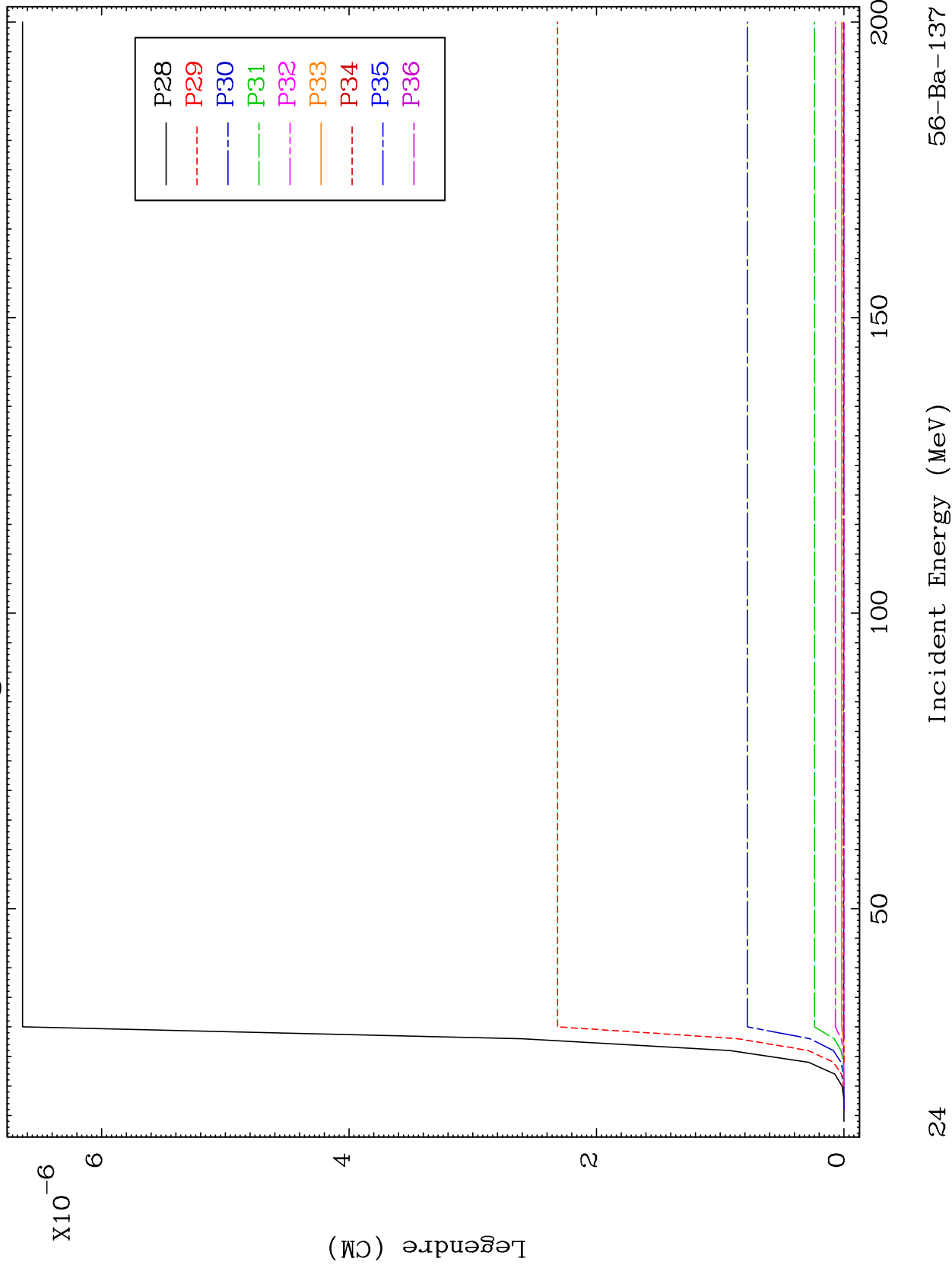
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56-Ba-137

MAT 5646

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

56-Ba-137



24

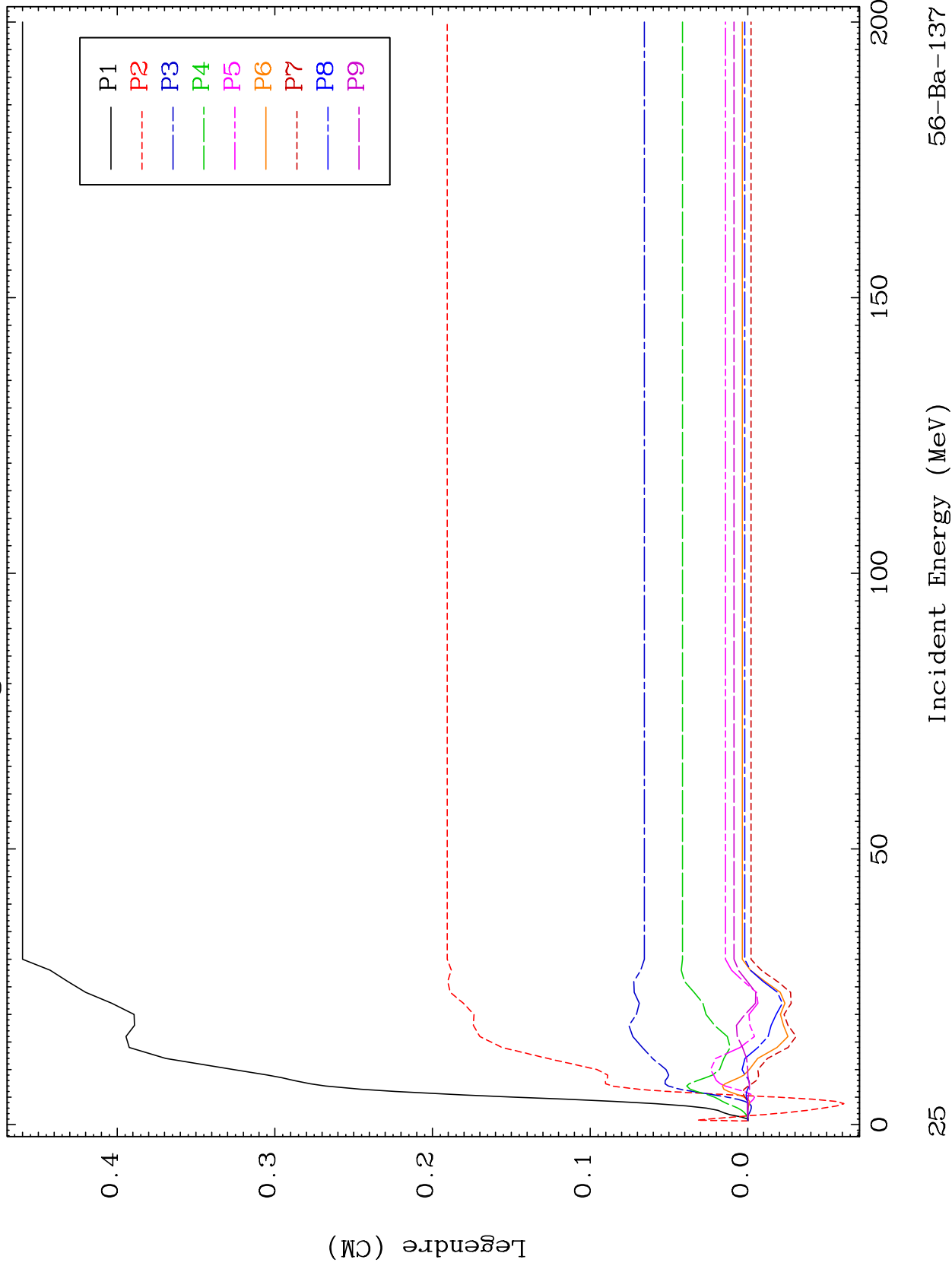
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

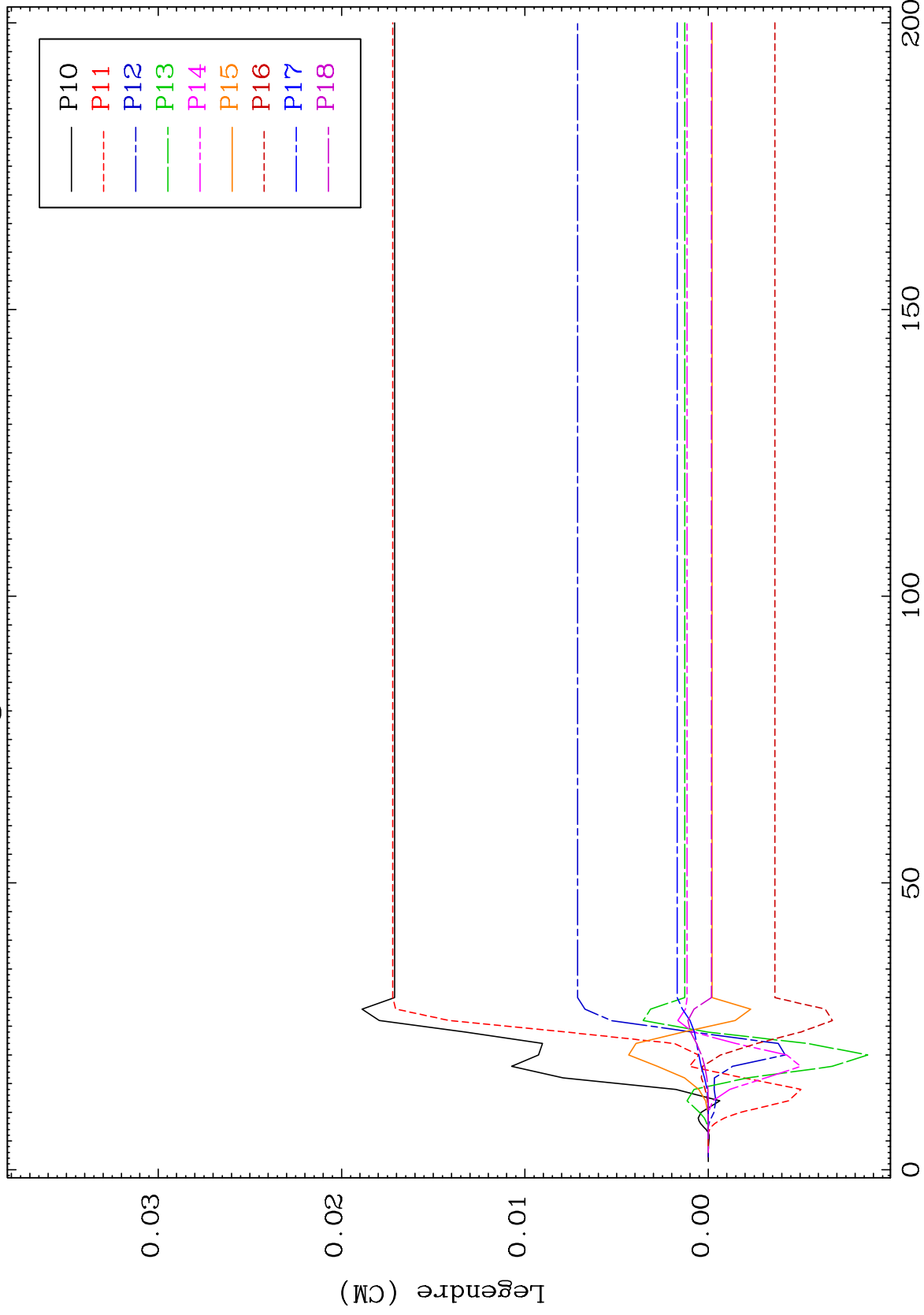
Incident Energy (MeV)

25

MAT 5646

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

56-Ba-137



26

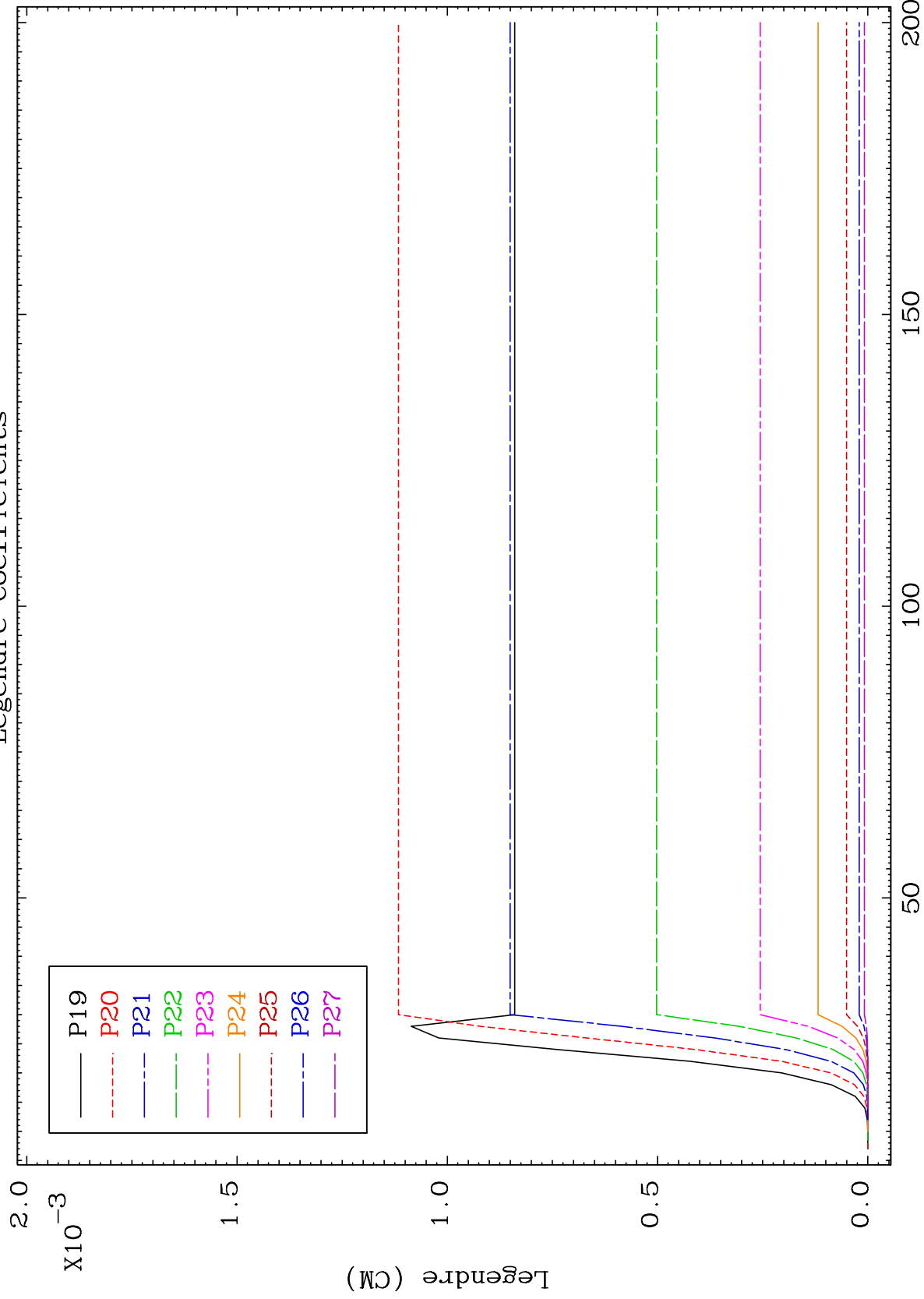
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

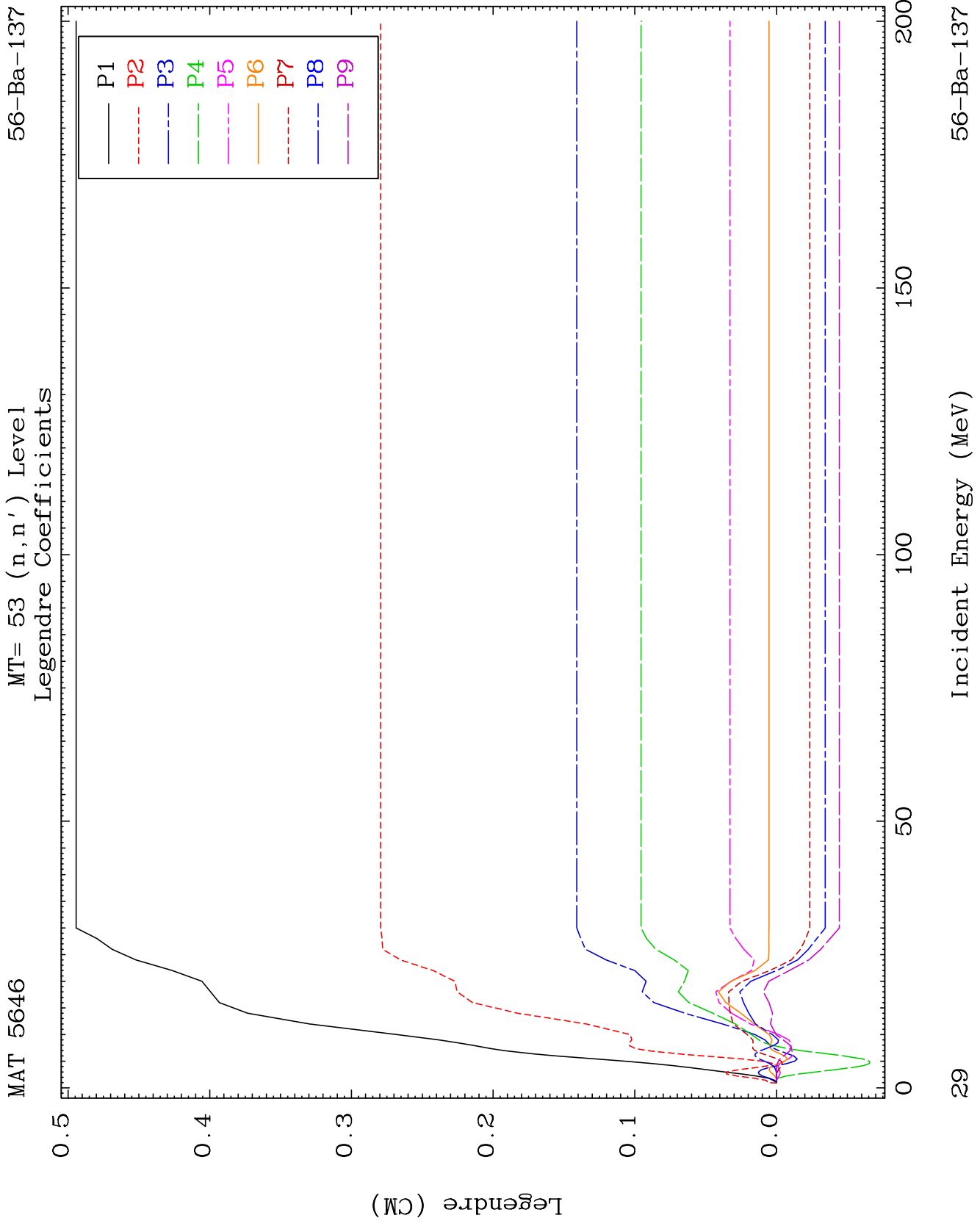
56-Ba-137



27

56-Ba-137

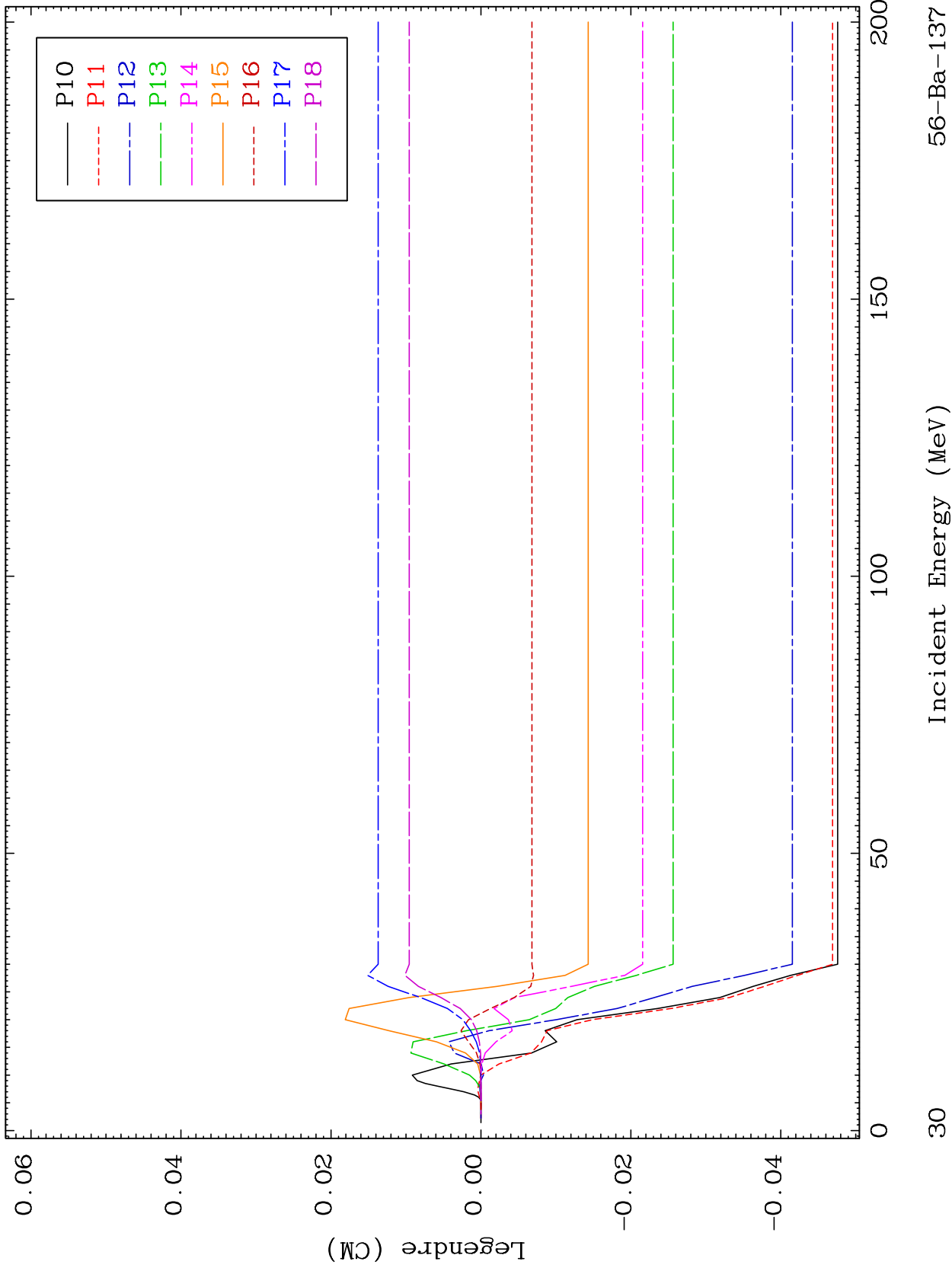




MAT 5646

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

56-Ba-137



56-Ba-137

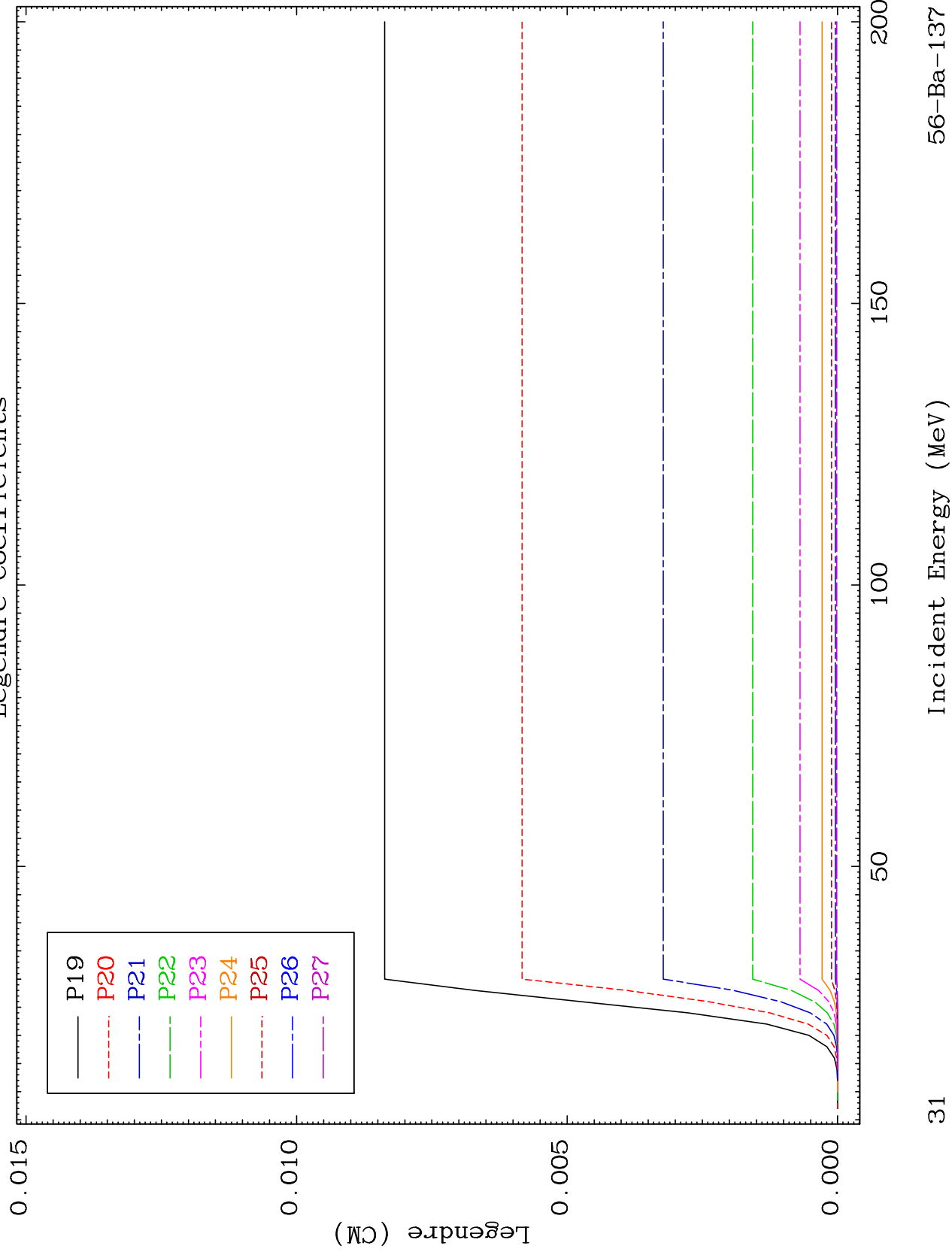
Incident Energy (MeV)

30

MAT 5646

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

56-Ba-137



31

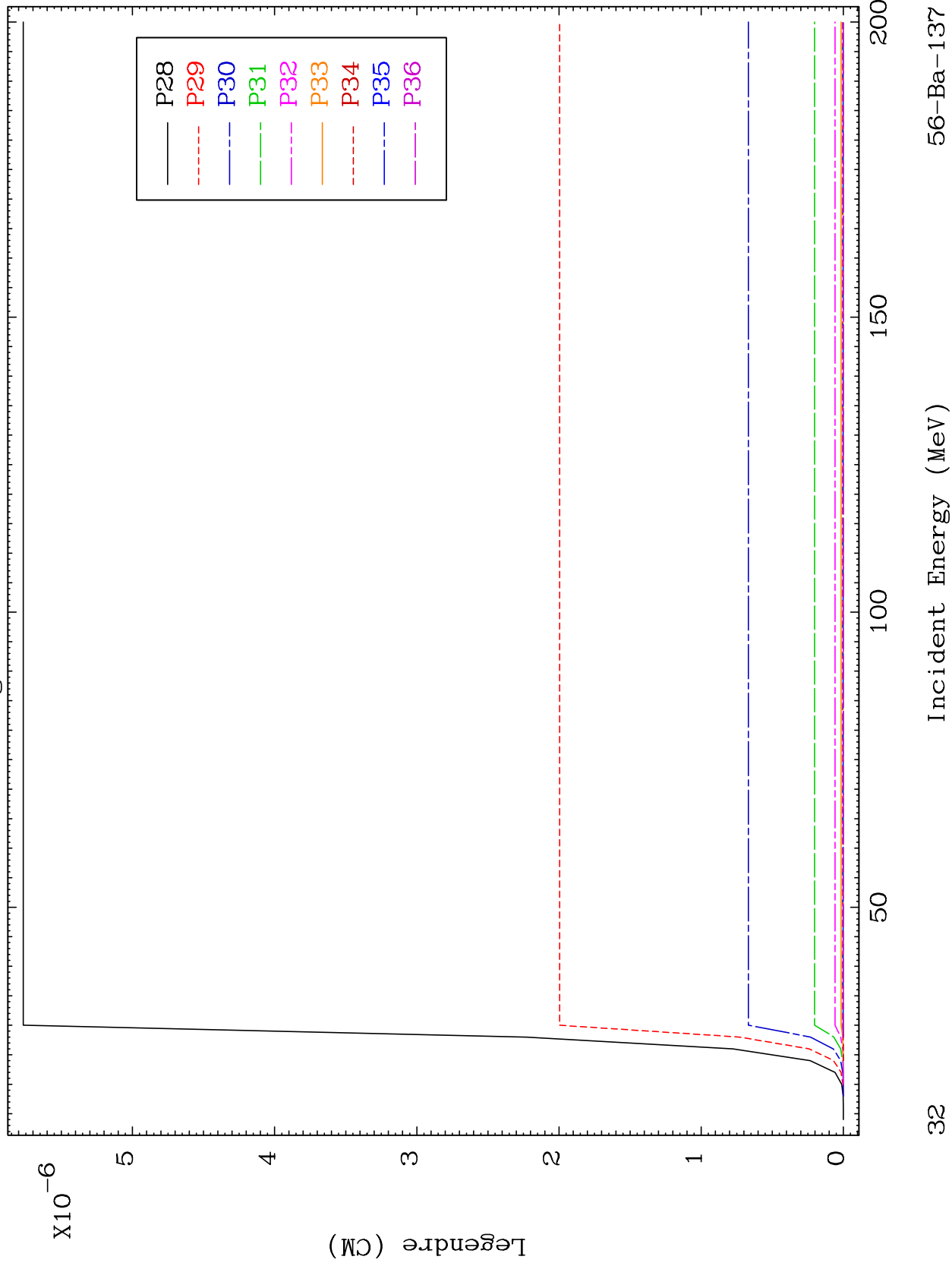
Incident Energy (MeV)

56-Ba-137

MAT 5646

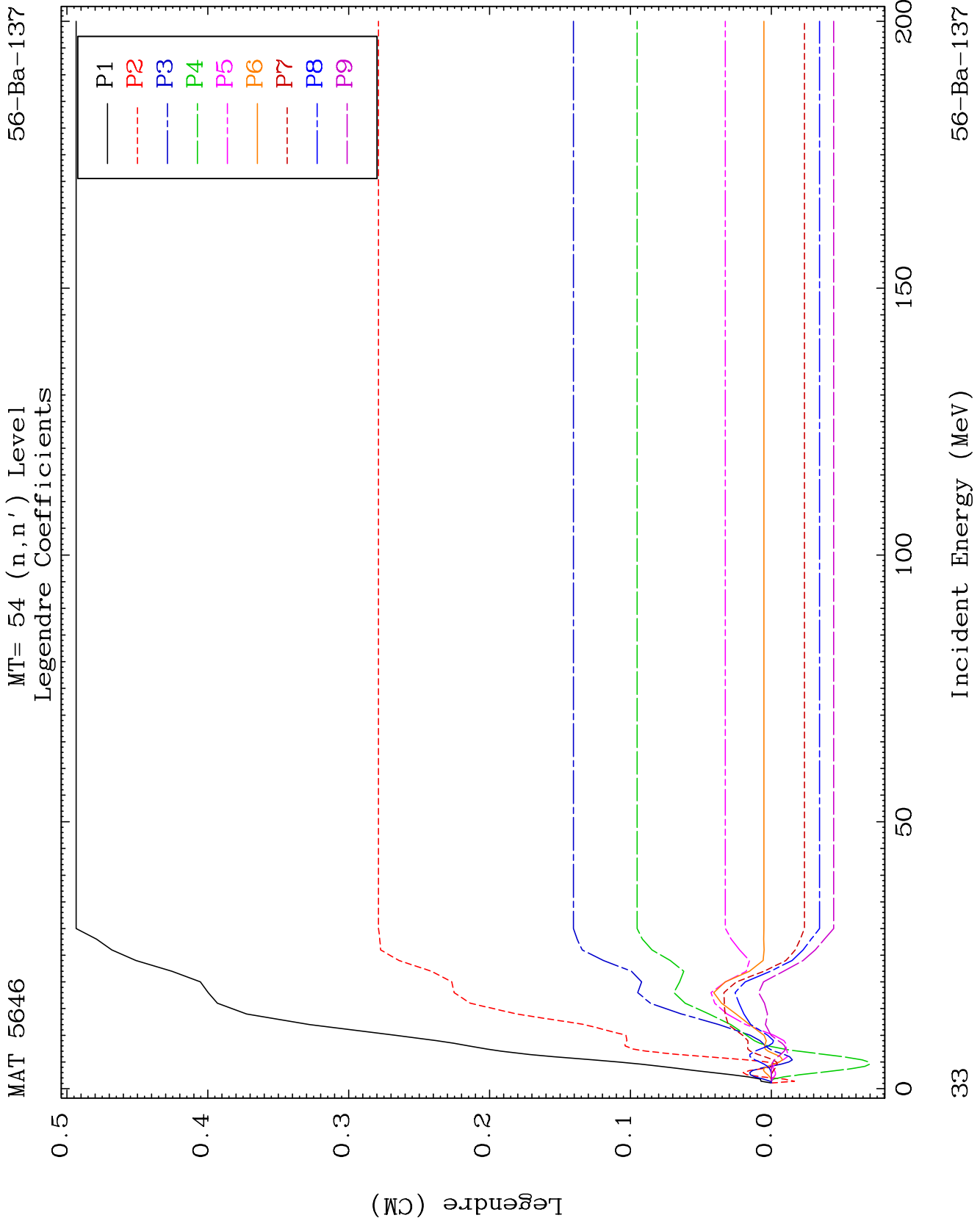
MT= 53 (n,n') Level  
Legendre Coefficients

56-Ba-137



32

56-Ba-137

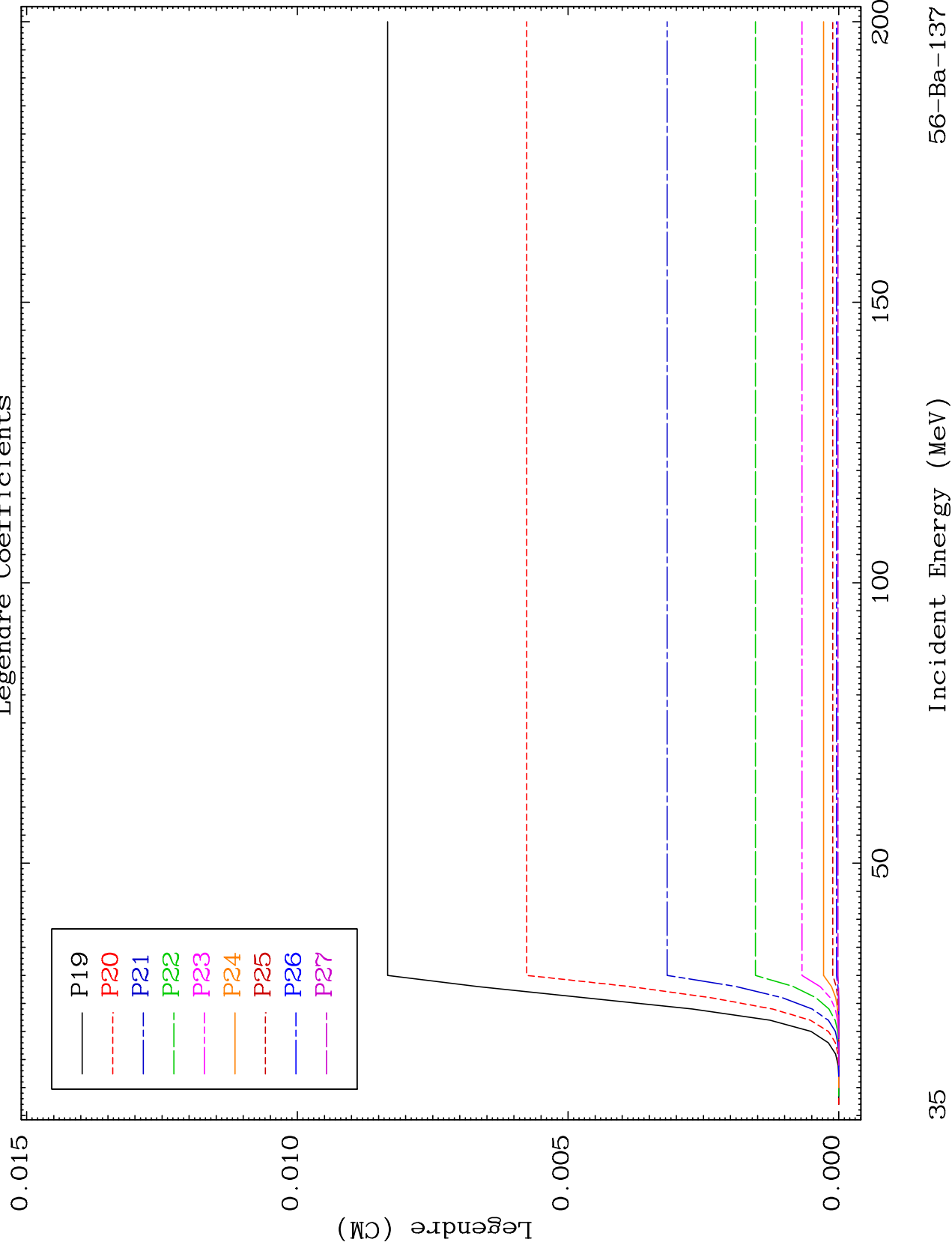




MAT 5646

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

56-Ba-137



35

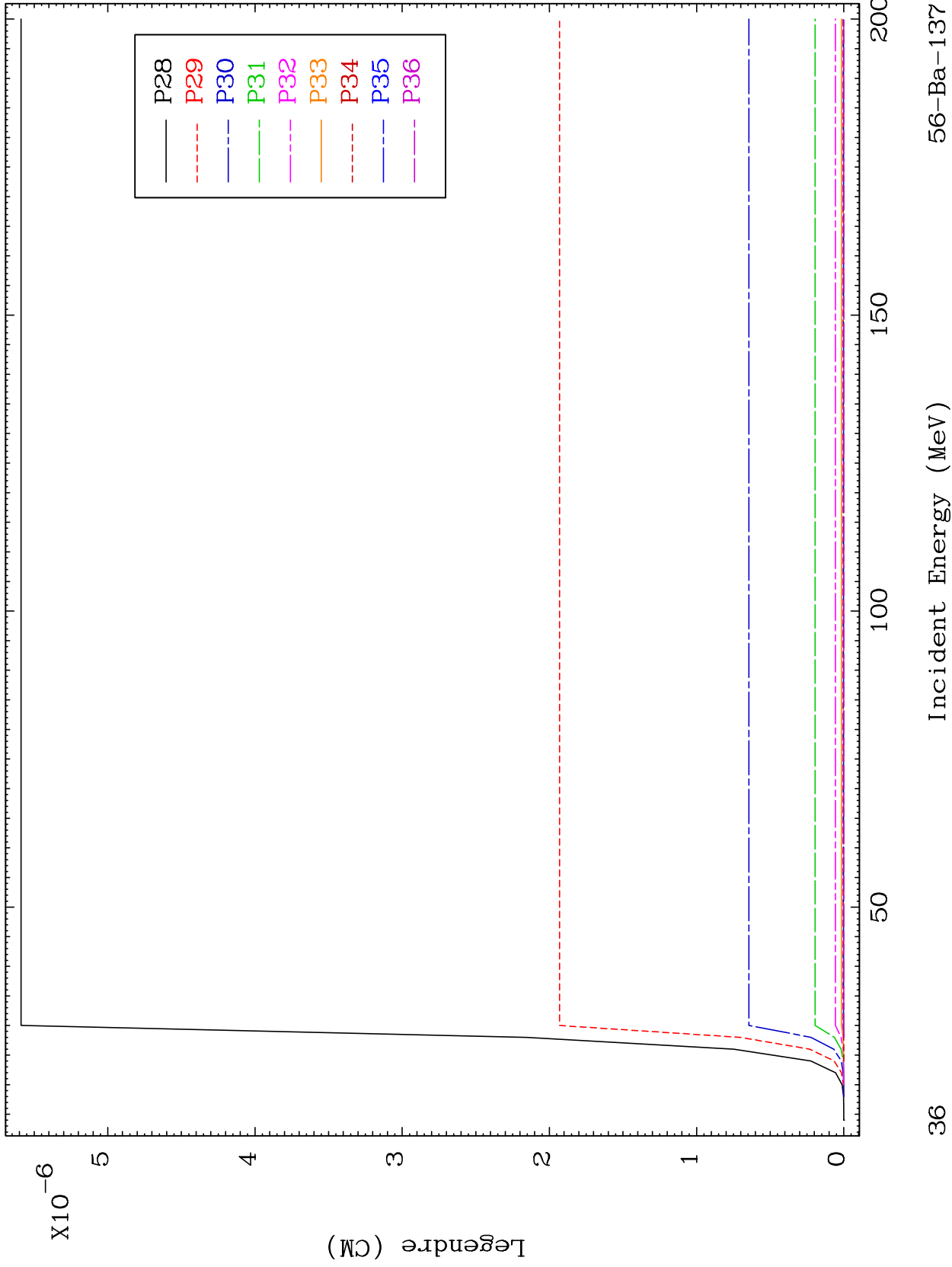
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



36

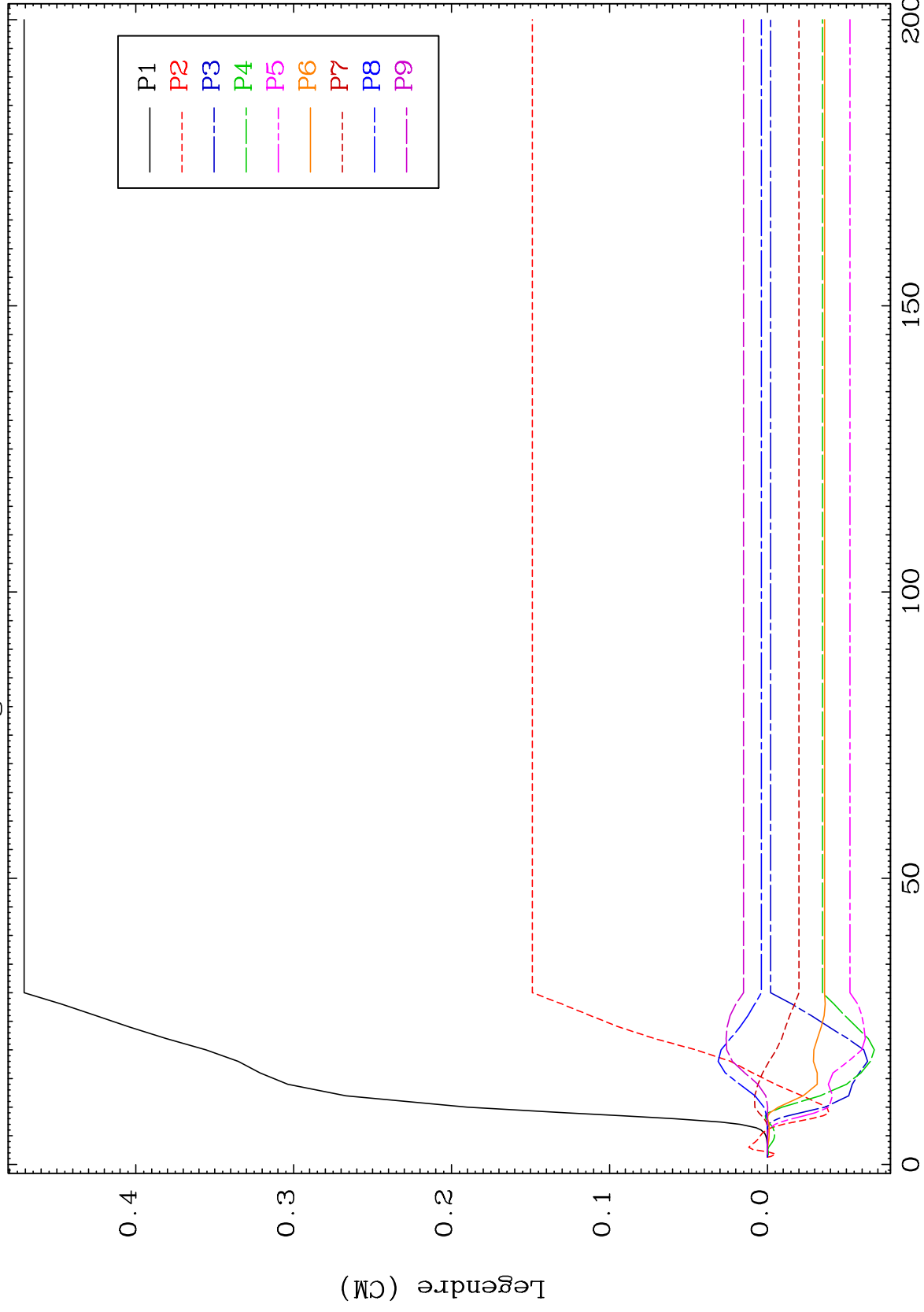
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



37

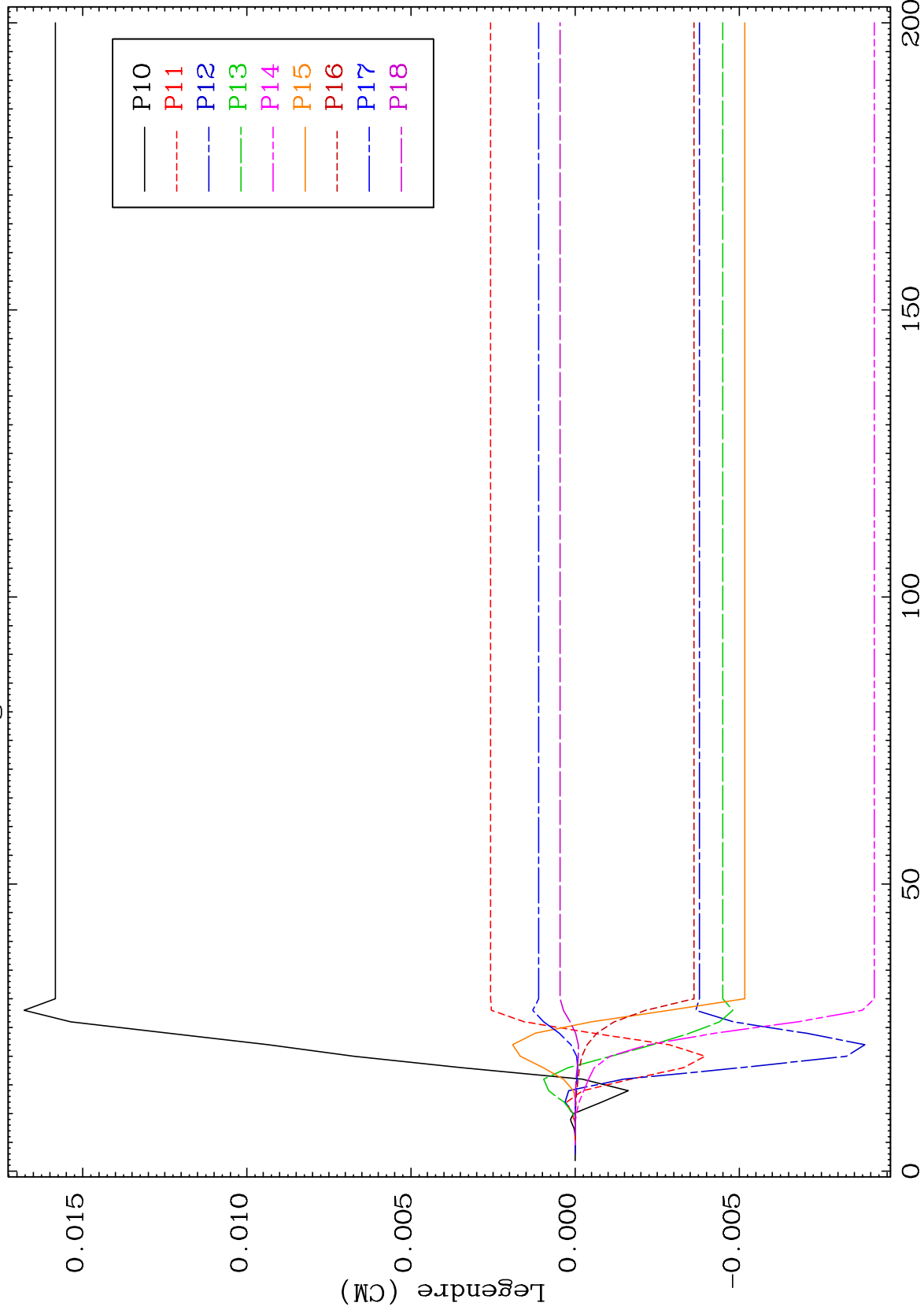
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



38

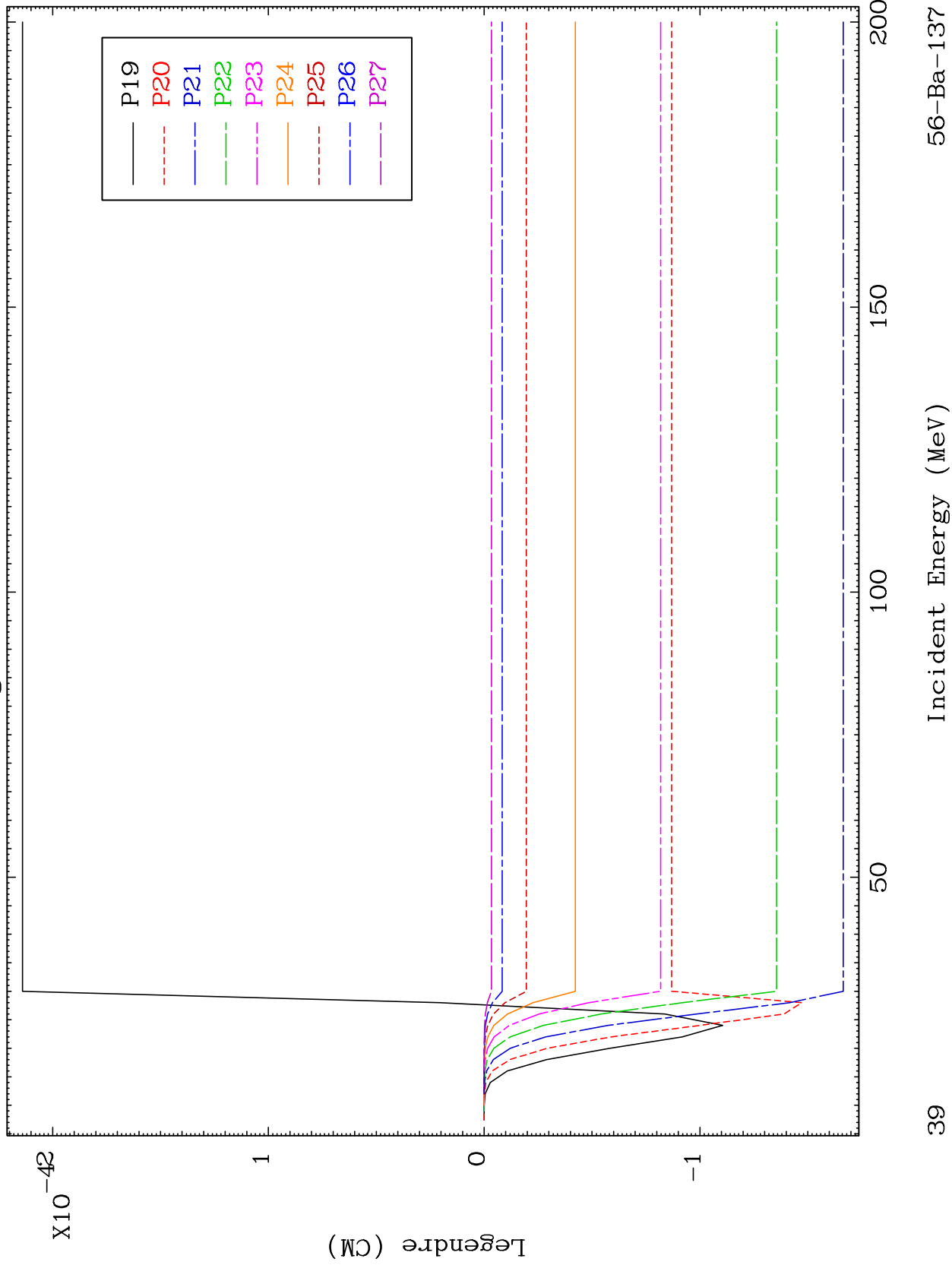
Incident Energy (MeV)

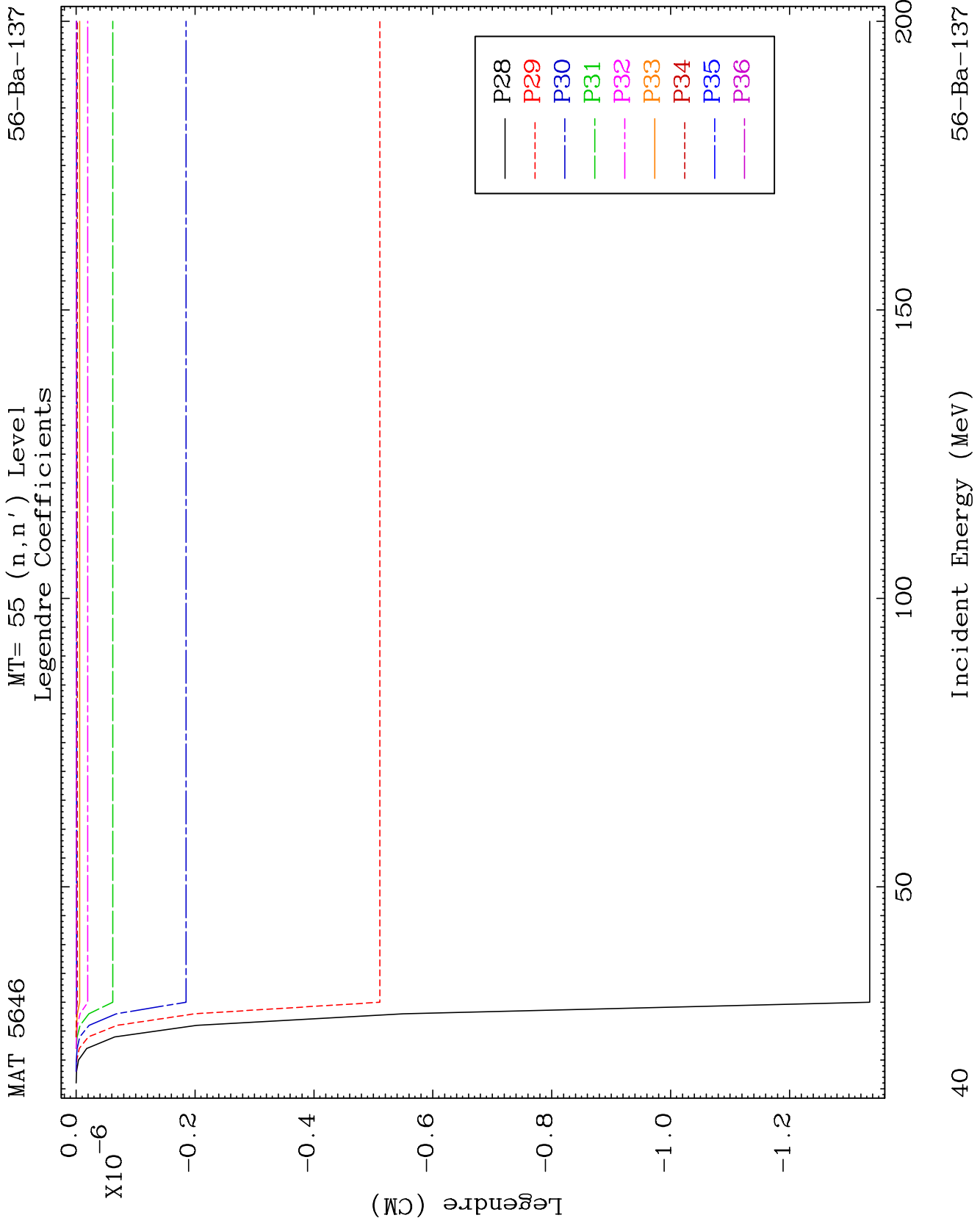
56-Ba-137

MAT 5646

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

56-Ba-137





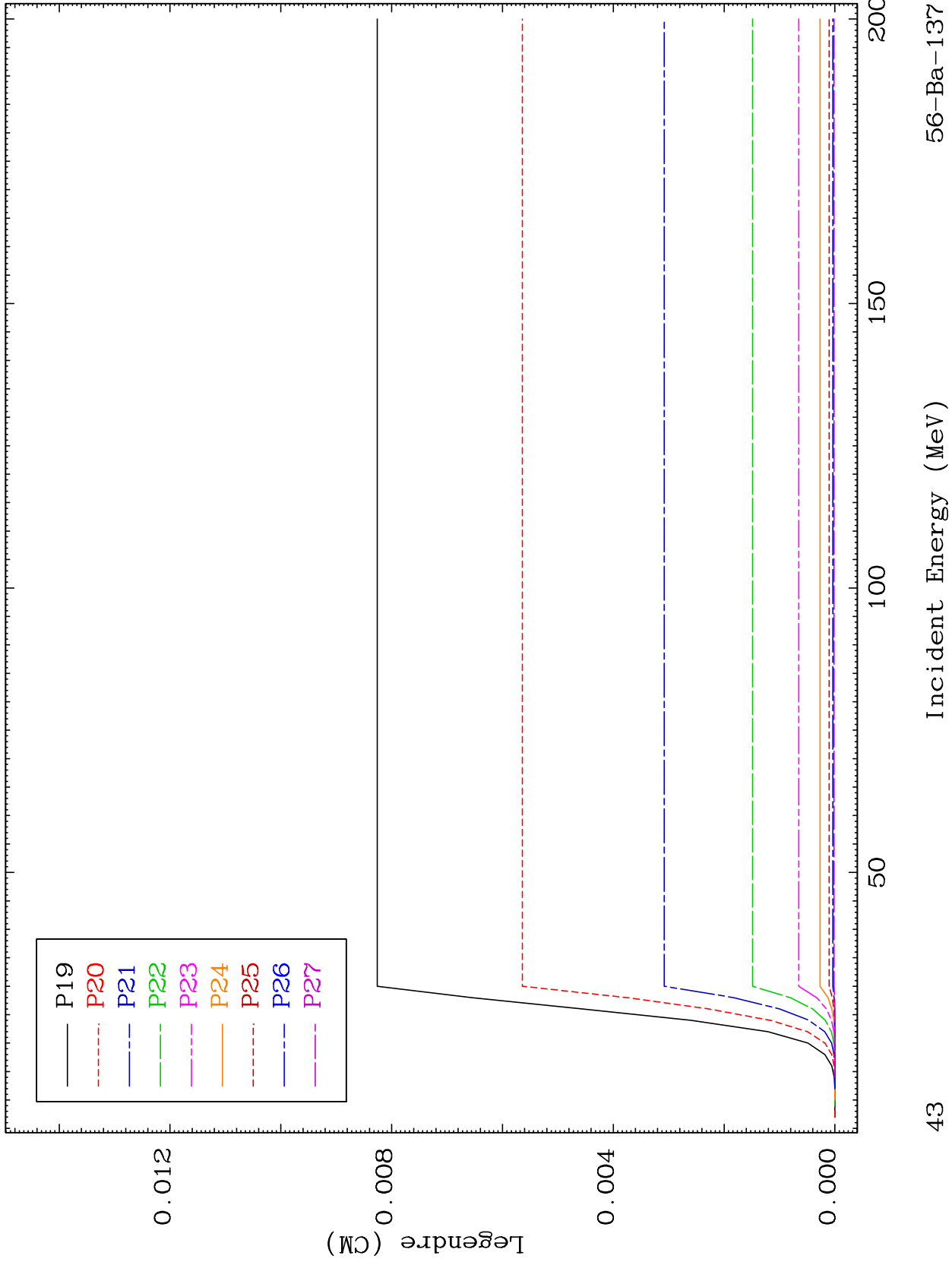




MAT 5646

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

56-Ba-137



43

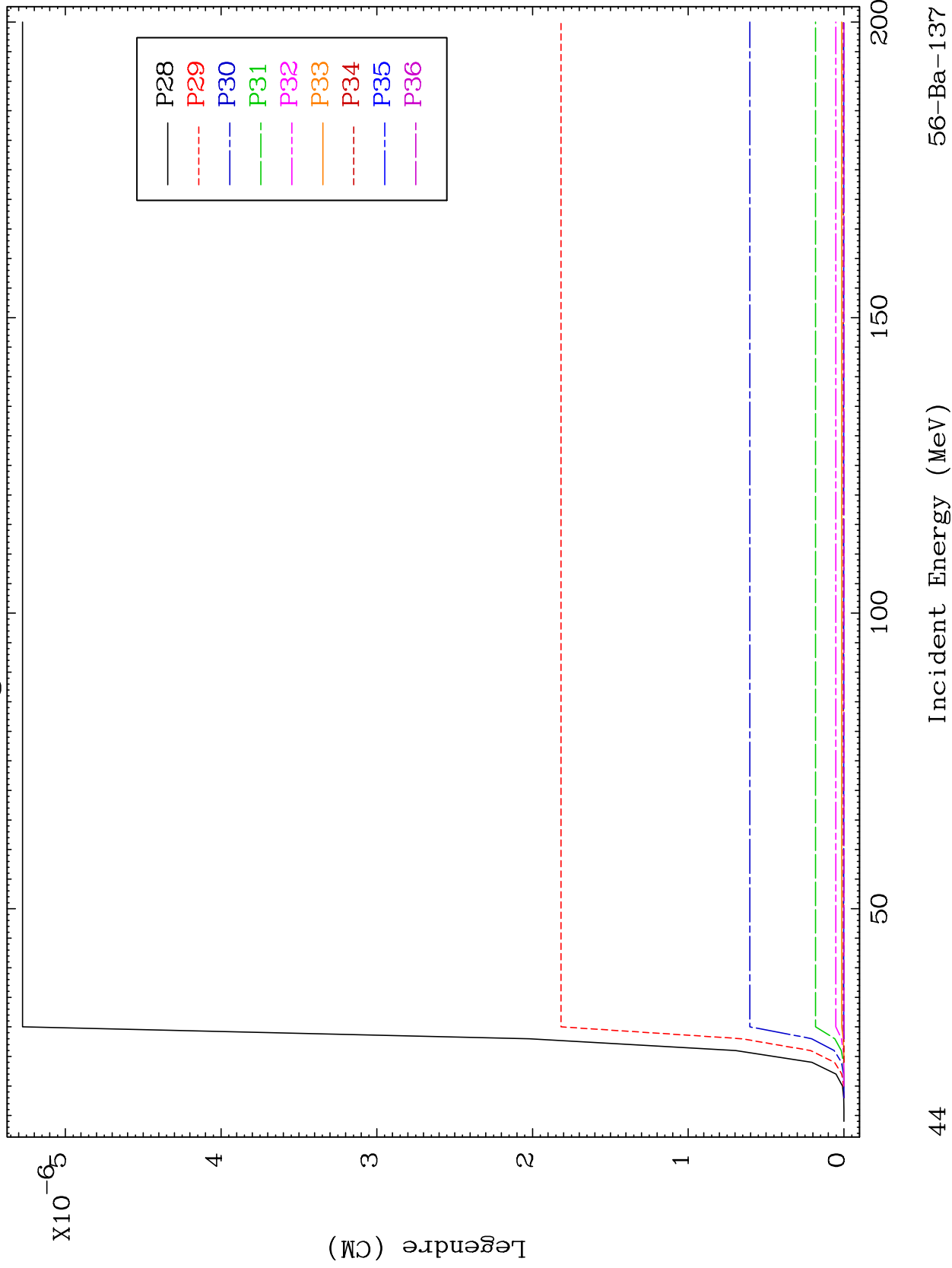
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

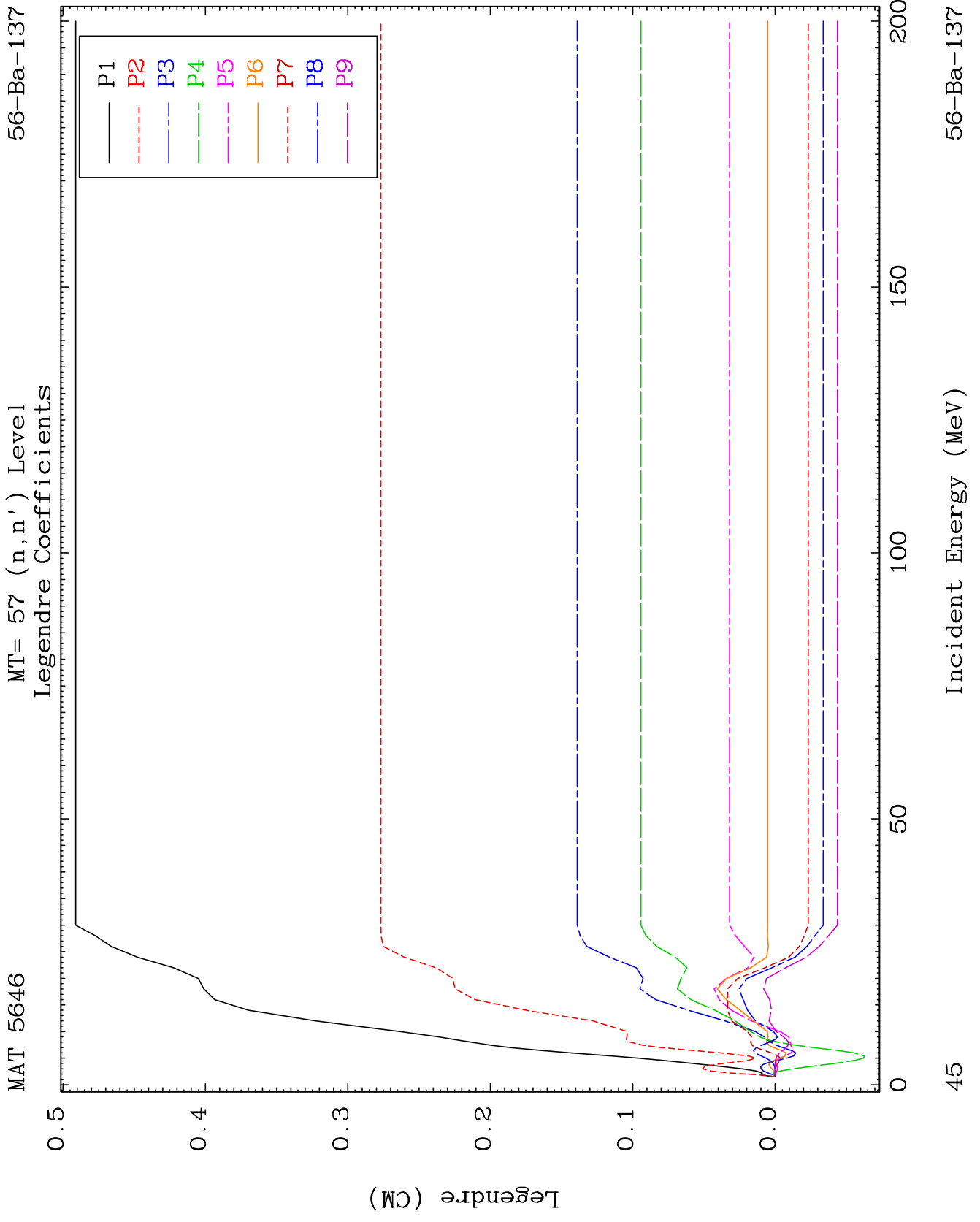
56-Ba-137



44

Incident Energy (MeV)

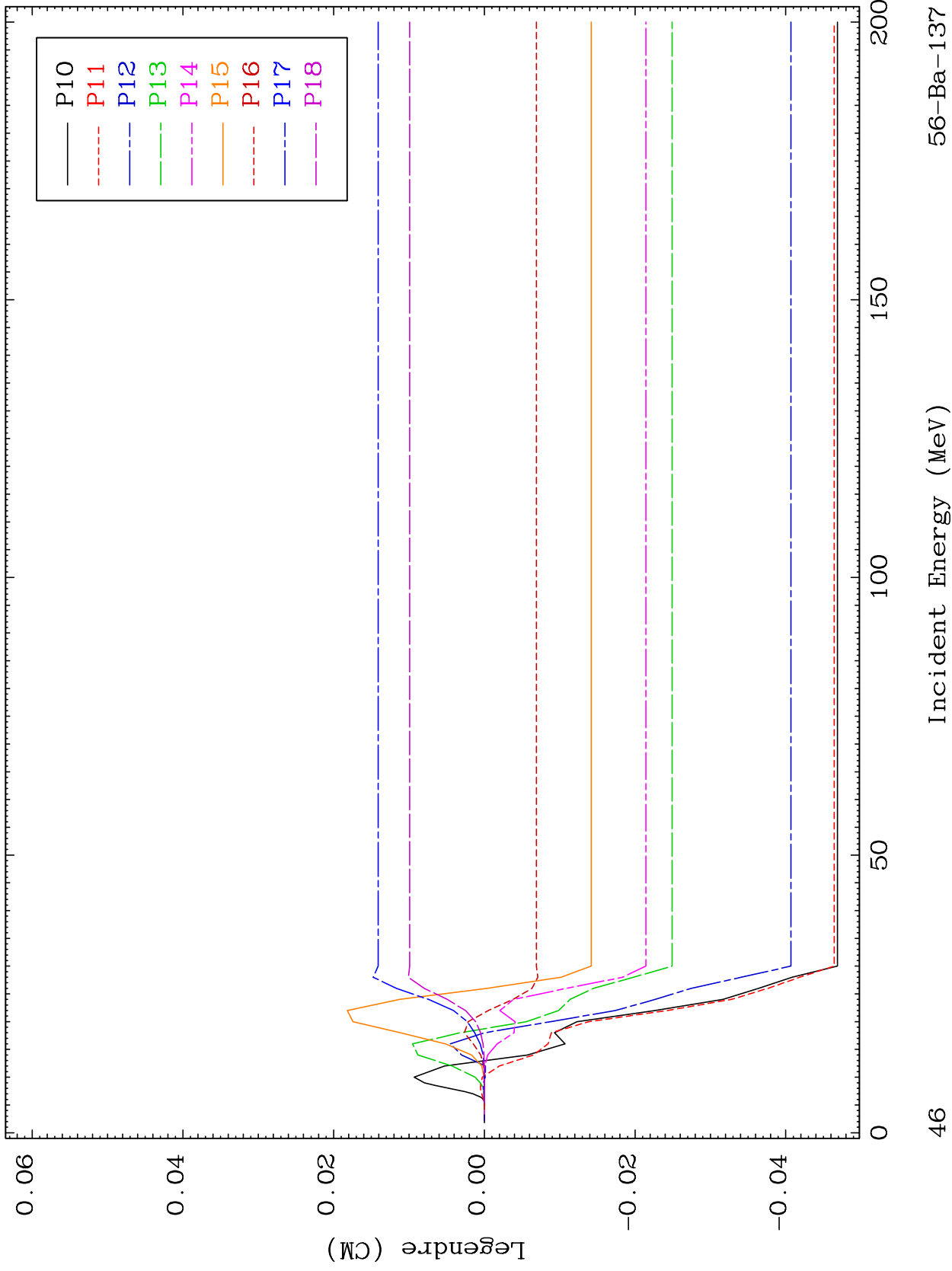
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

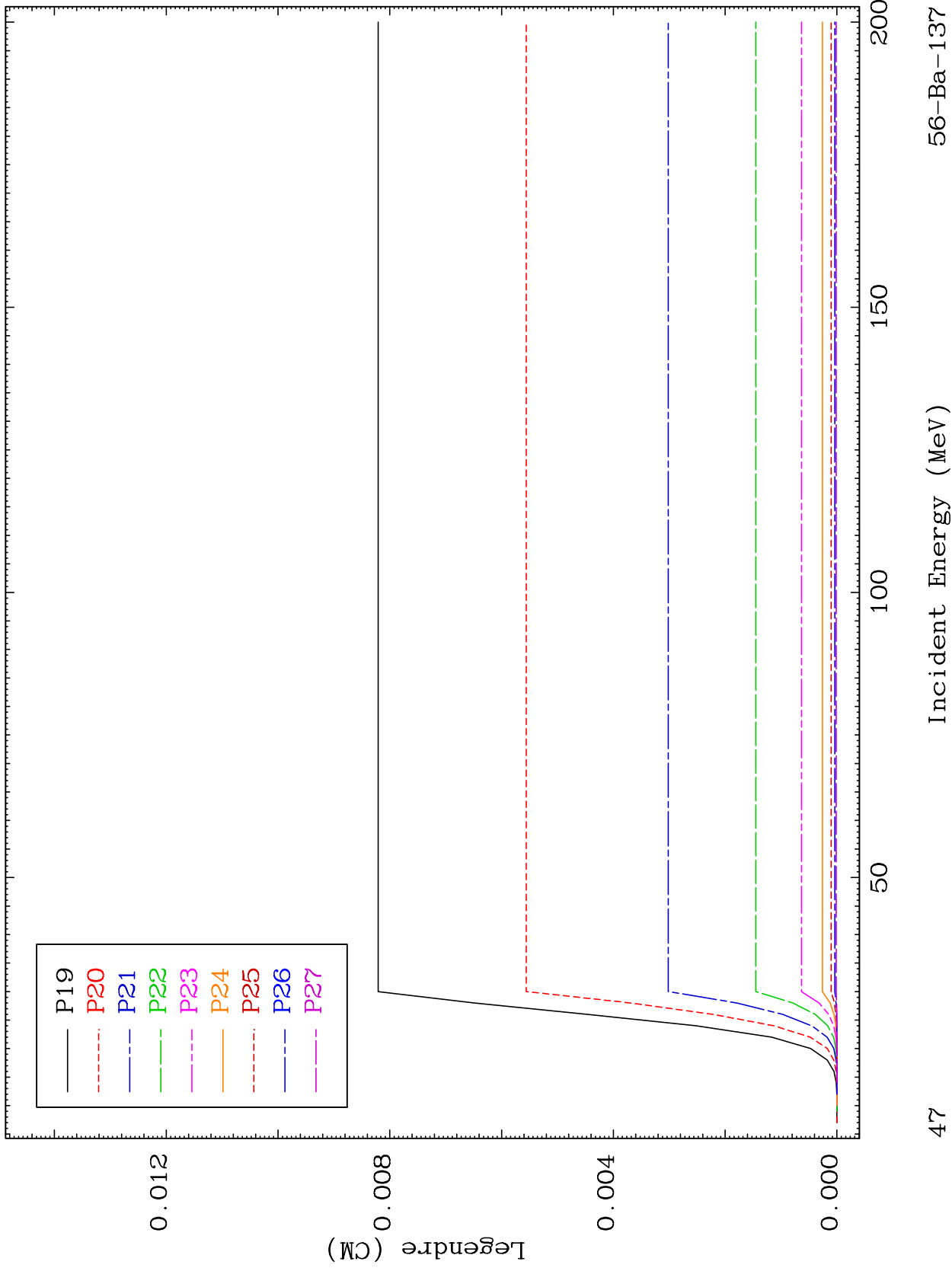
Incident Energy (MeV)

46

MAT 5646

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

56-Ba-137



47

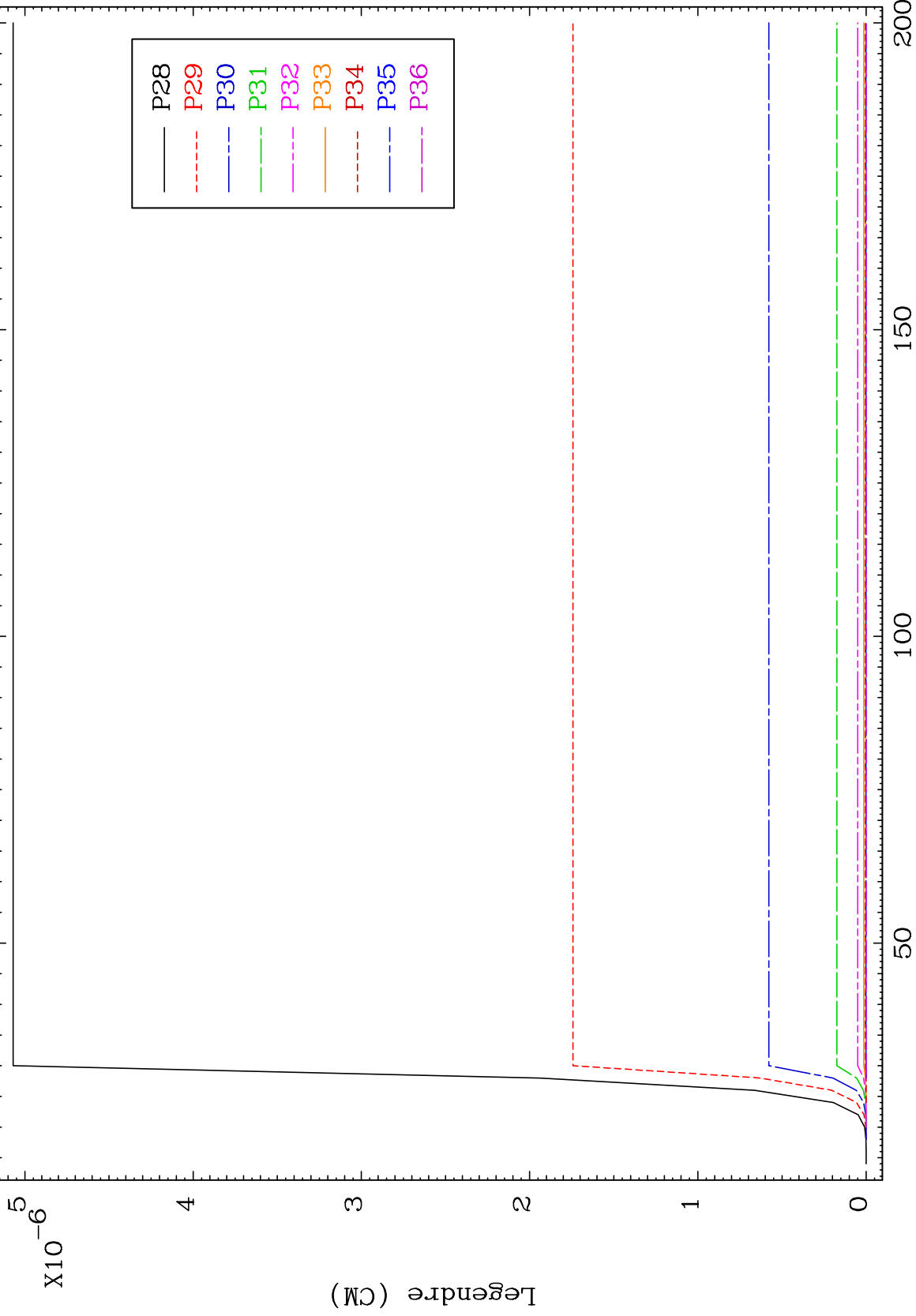
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

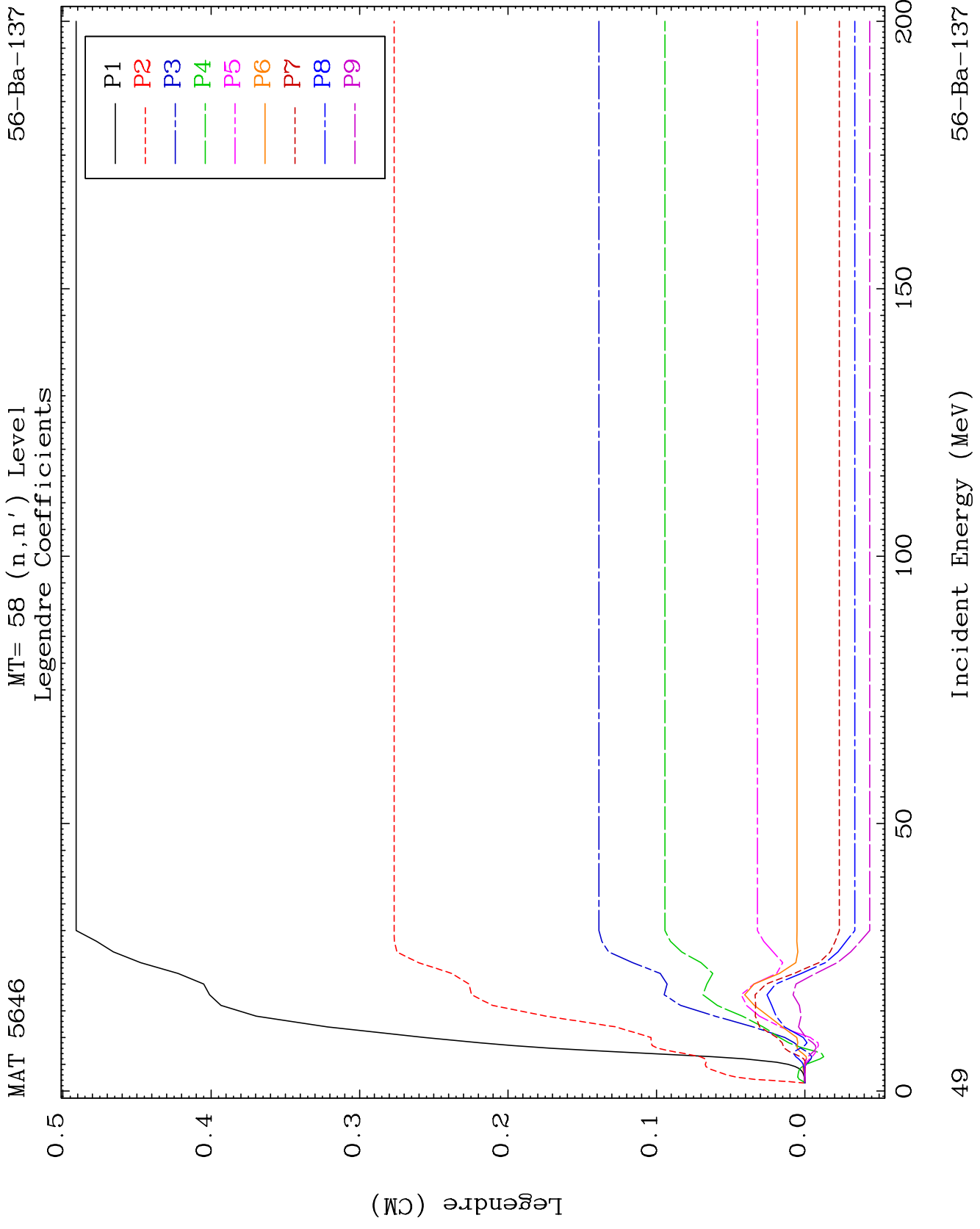
56-Ba-137



48

Incident Energy (MeV)

56-Ba-137

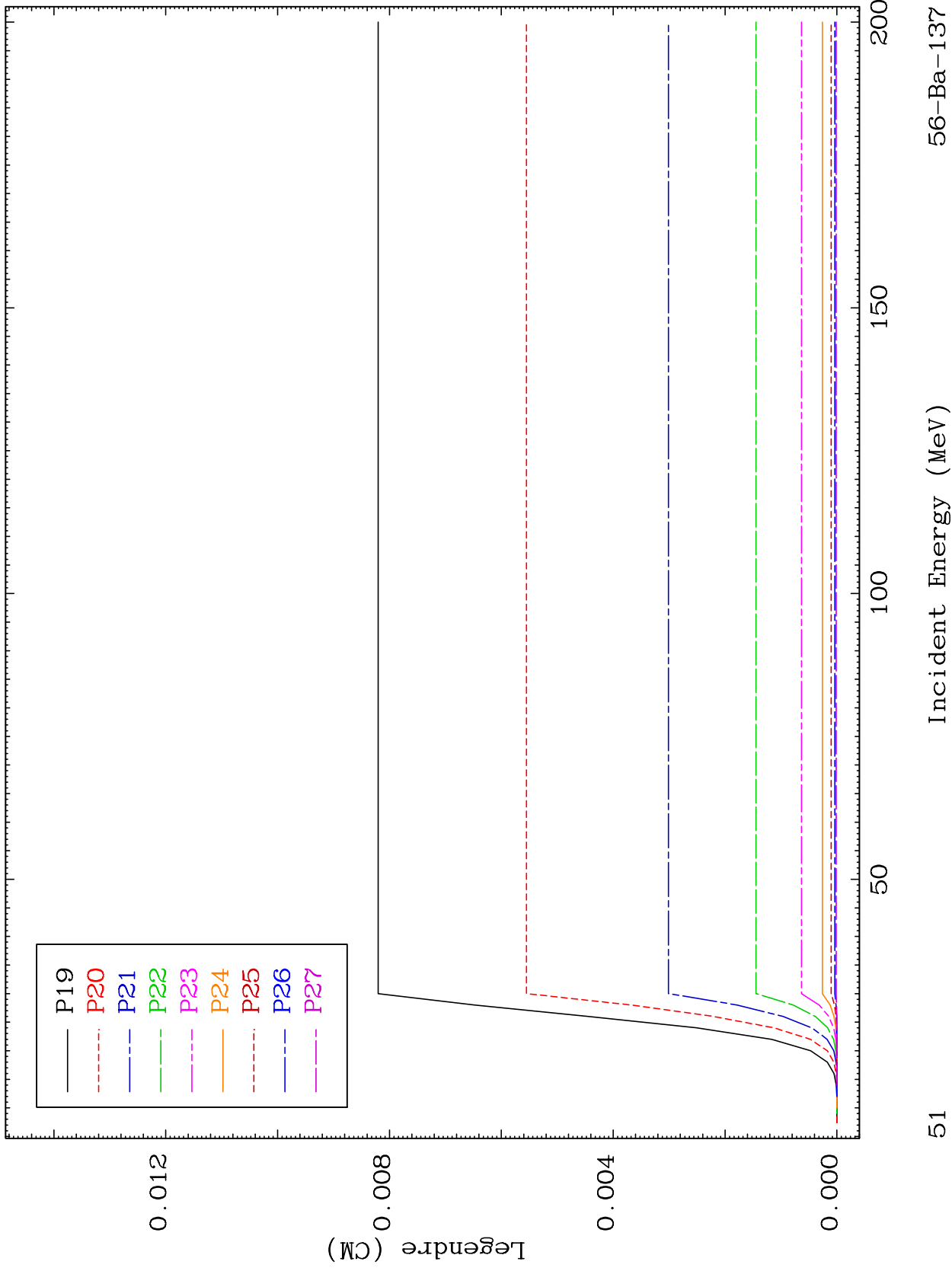




MAT 5646

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

56-Ba-137



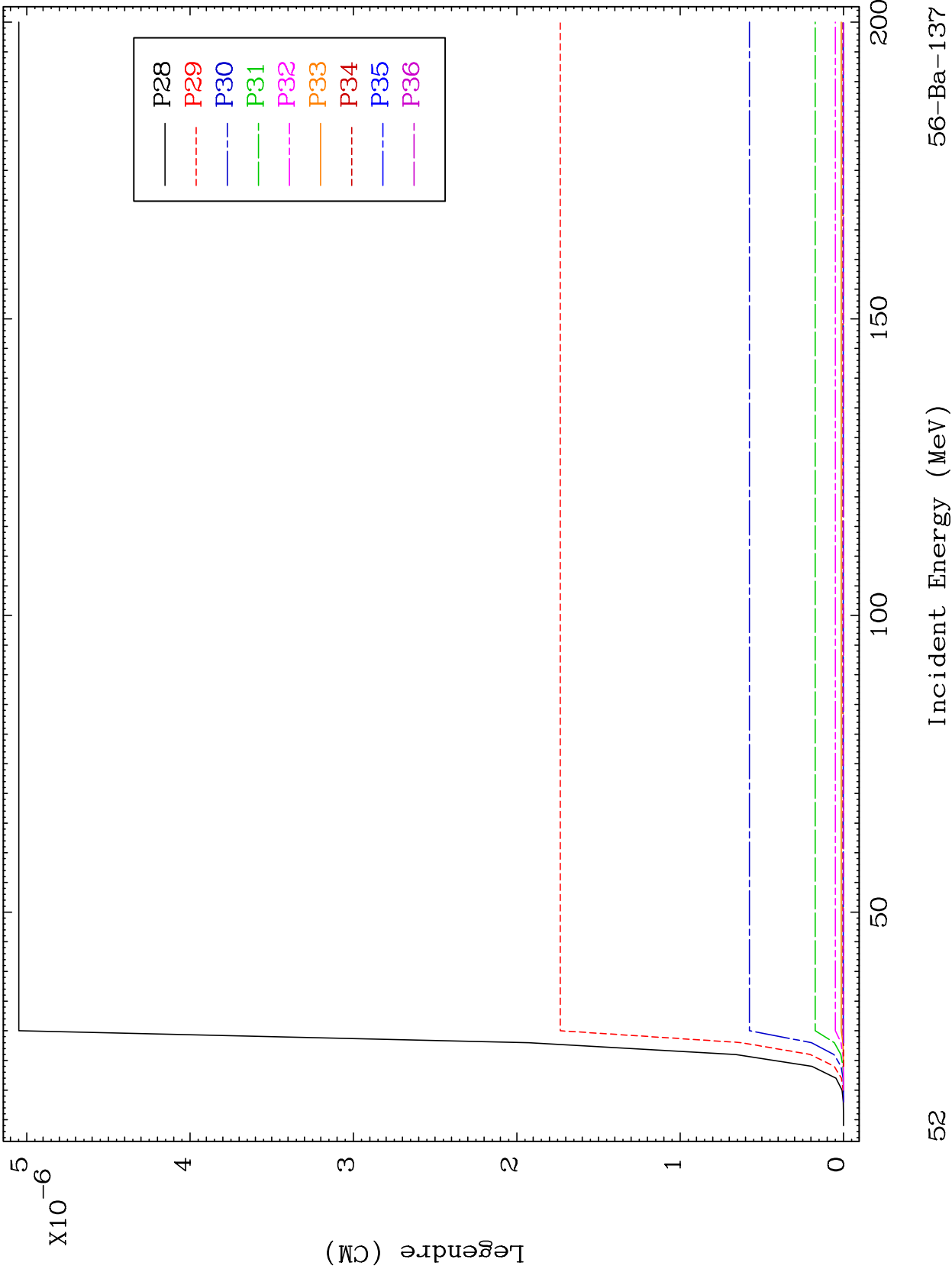
51

56-Ba-137

MAT 5646

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

56-Ba-137

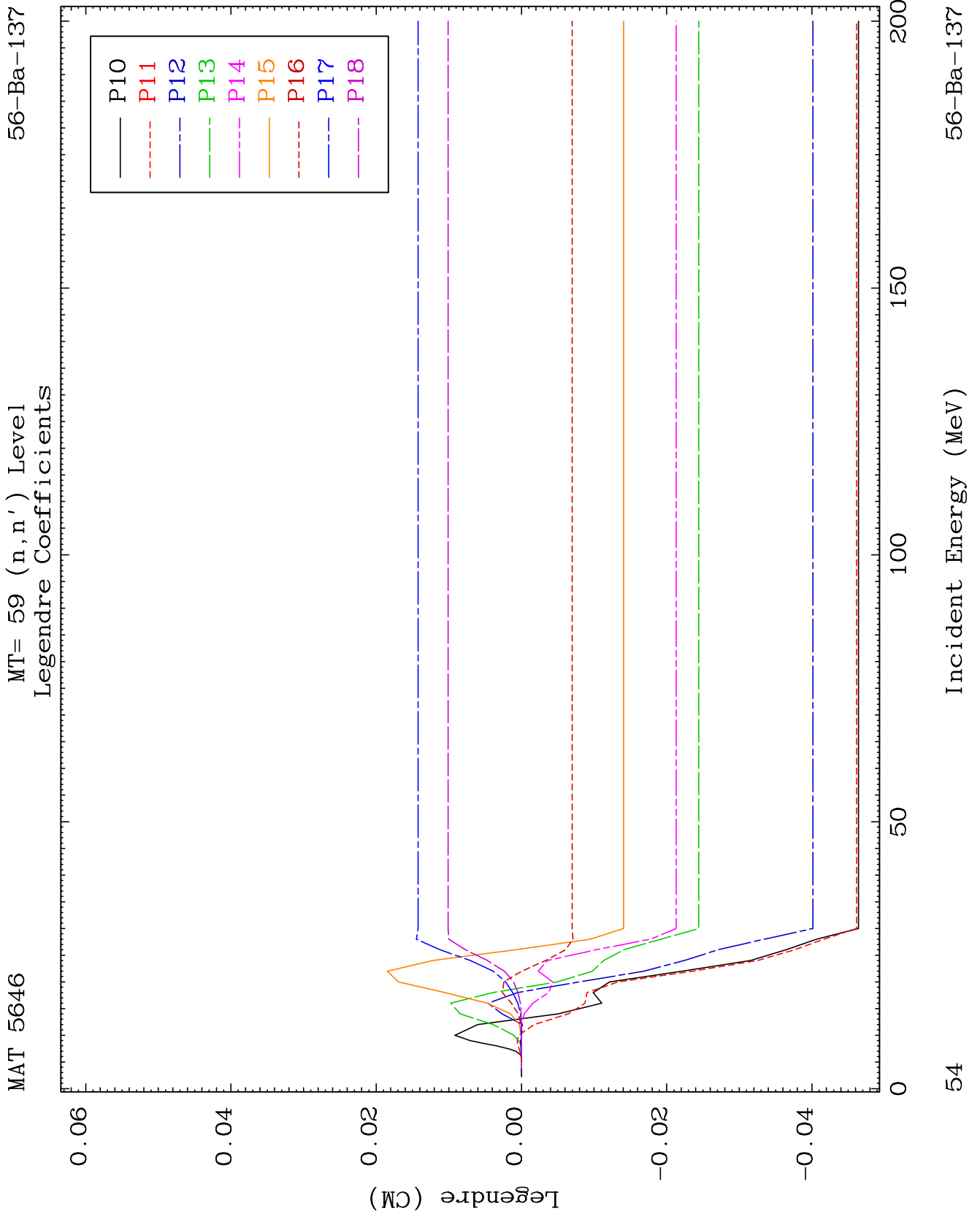


52

Incident Energy (MeV)

56-Ba-137

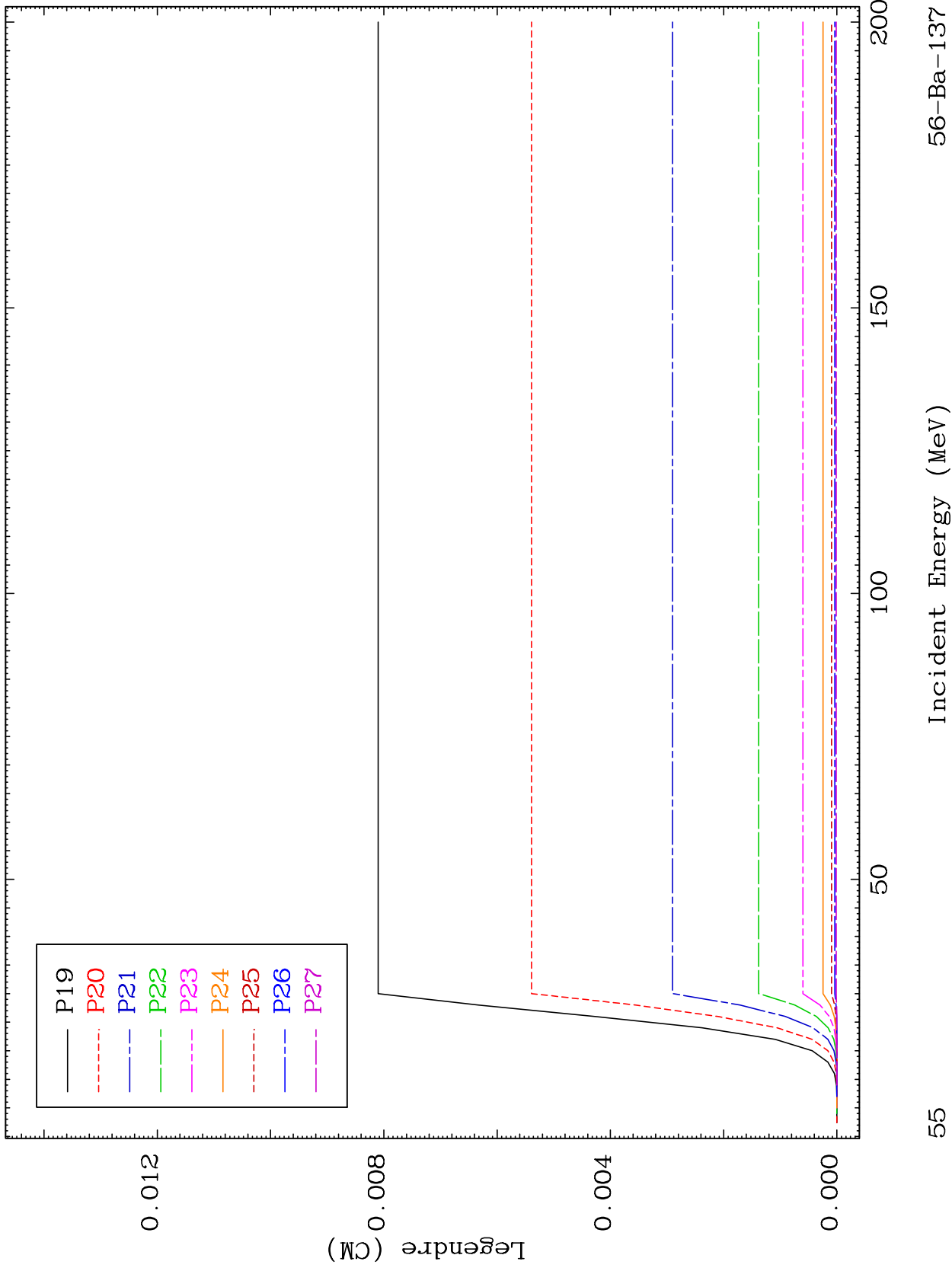




MAT 5646

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

56-Ba-137



55

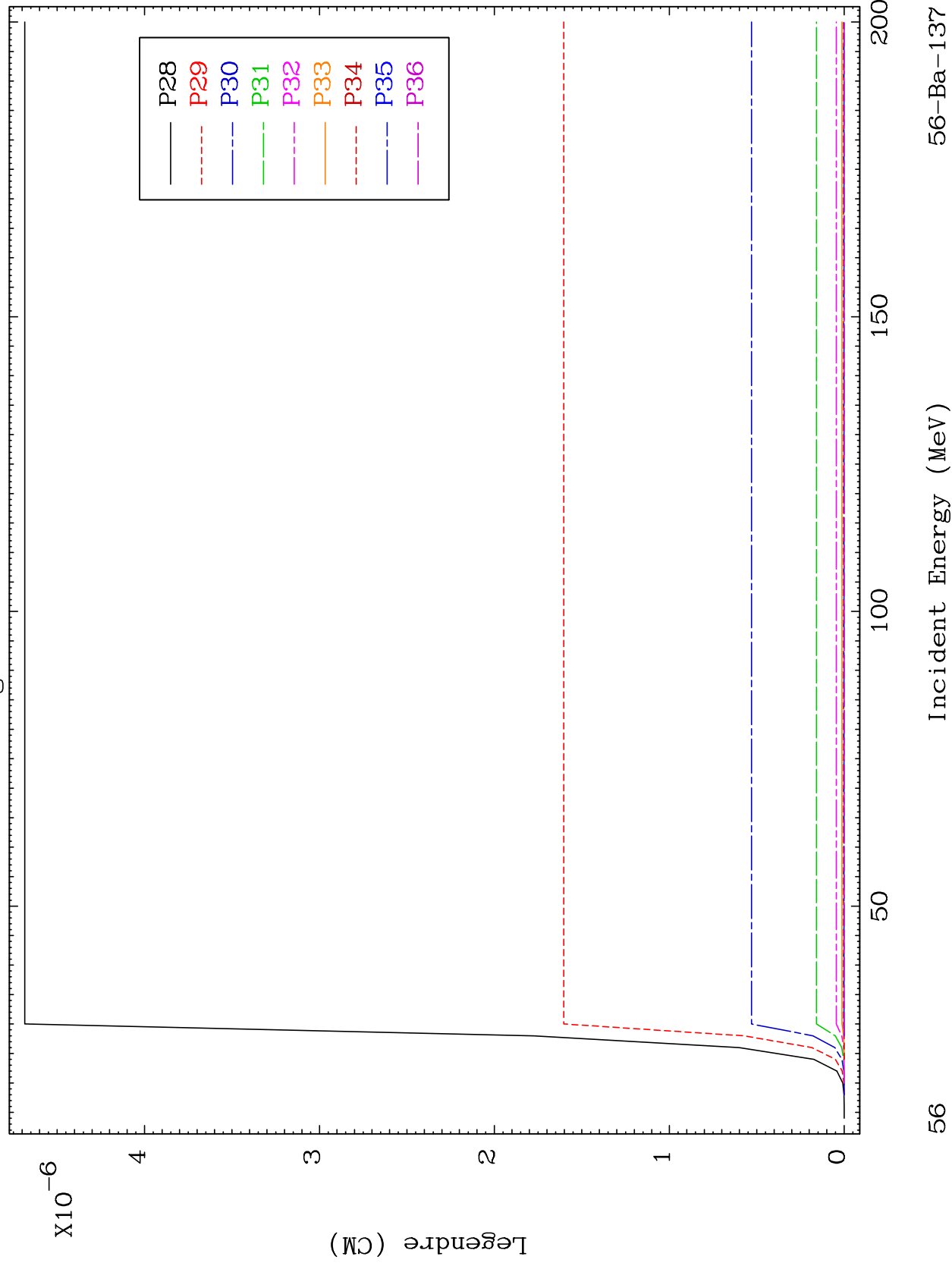
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

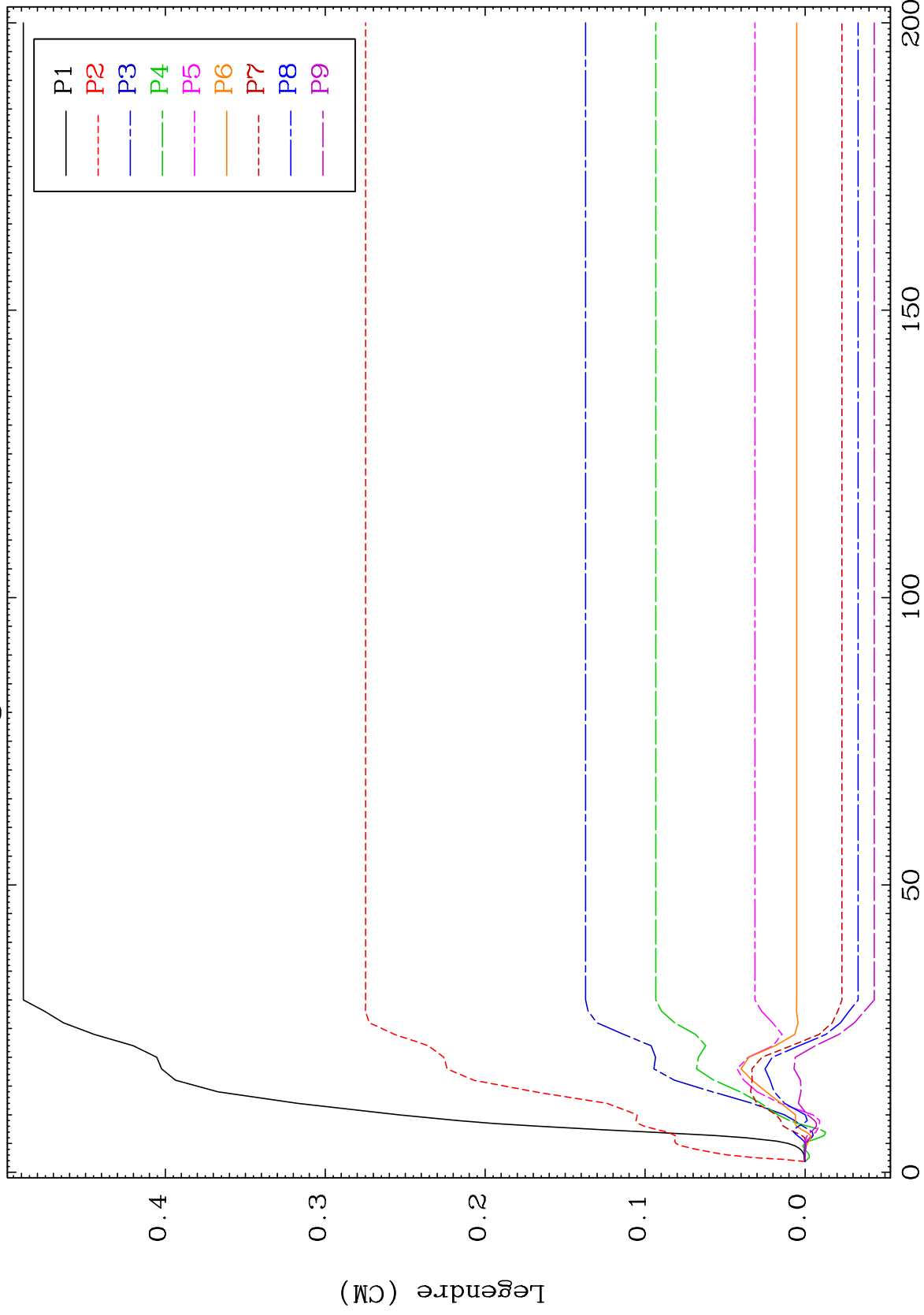
56-Ba-137



MAT 5646

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

56-Ba-137



57

Incident Energy (MeV)

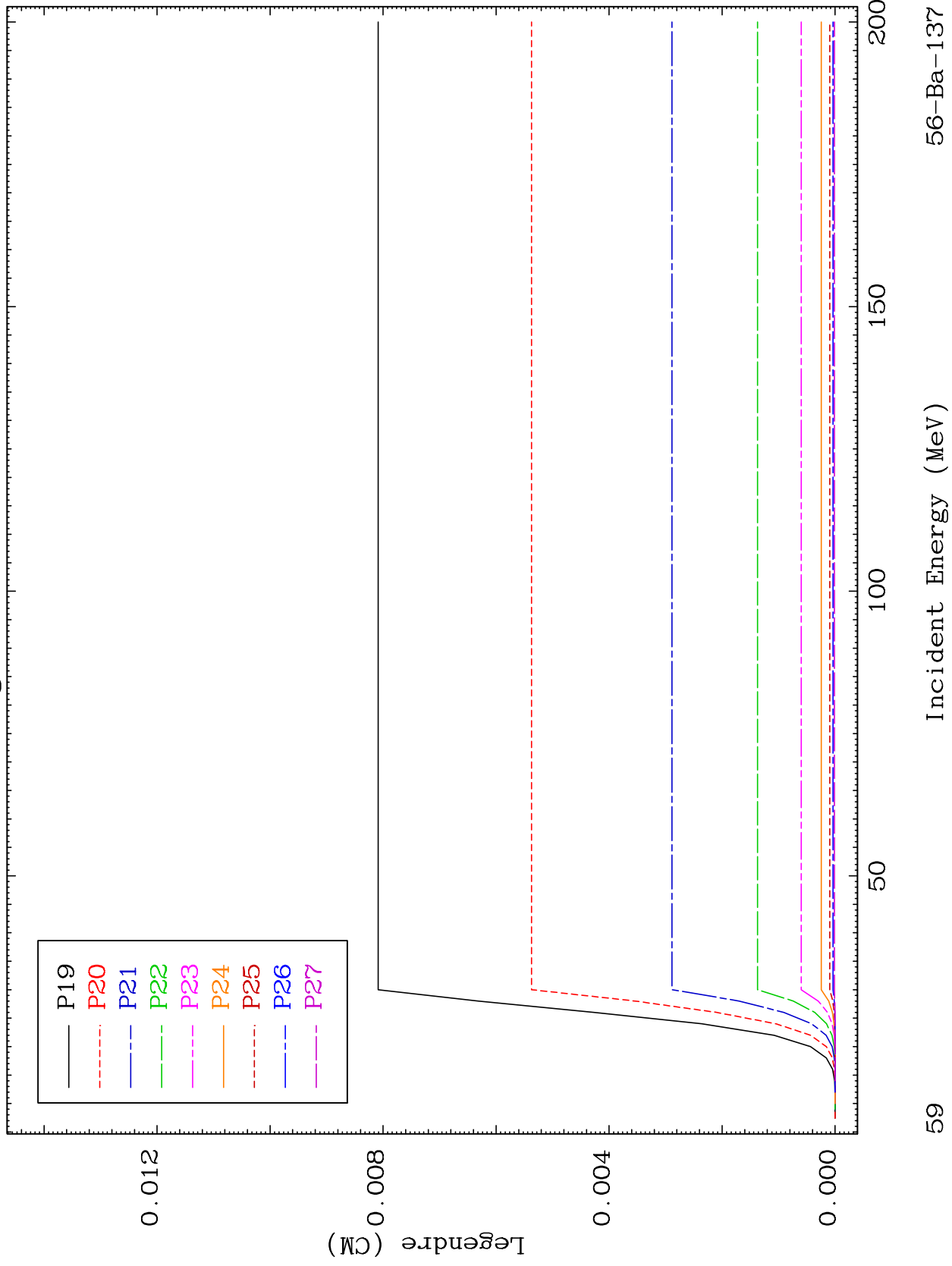
56-Ba-137



MAT 5646

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

56-Ba-137



59

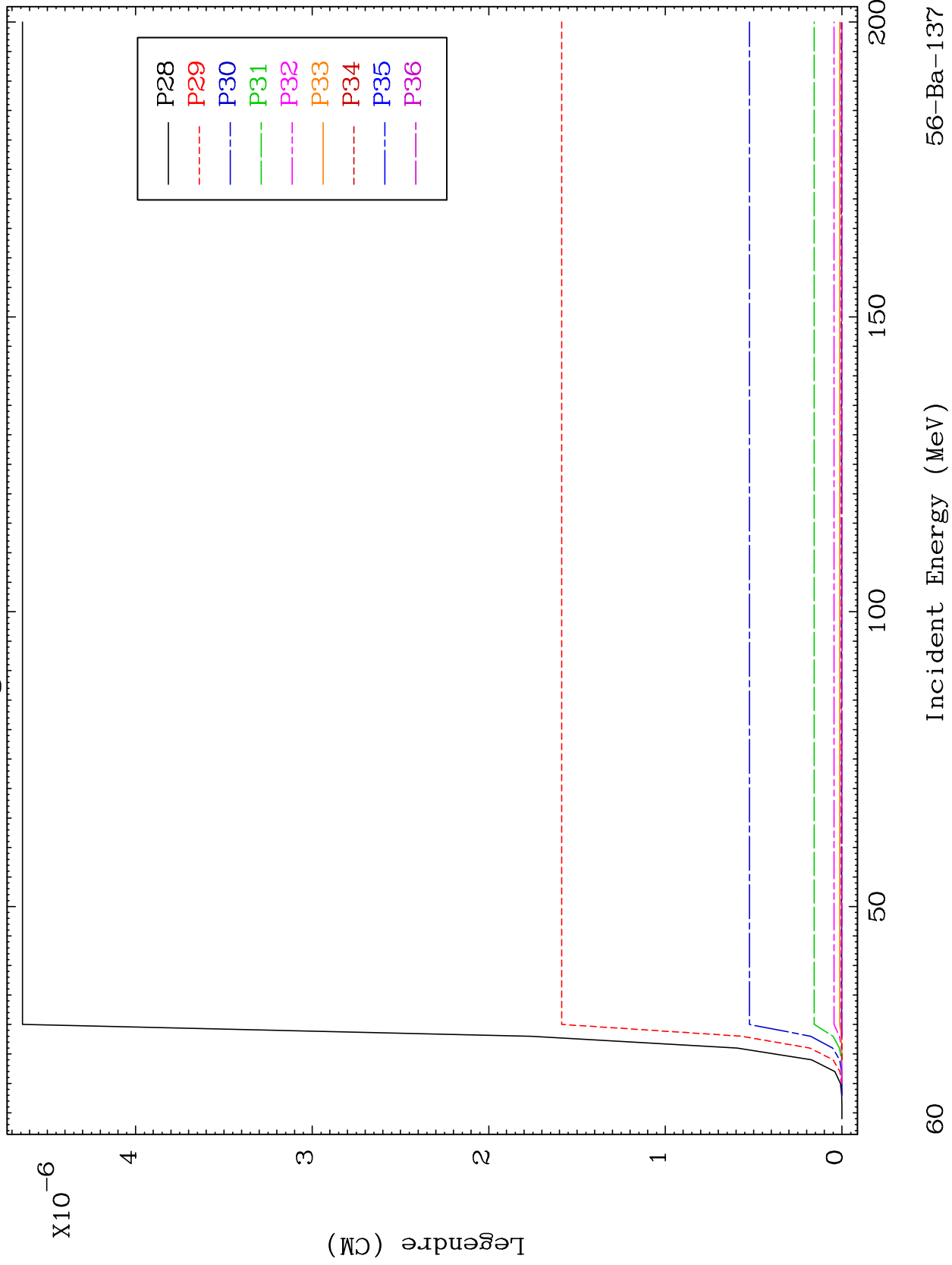
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

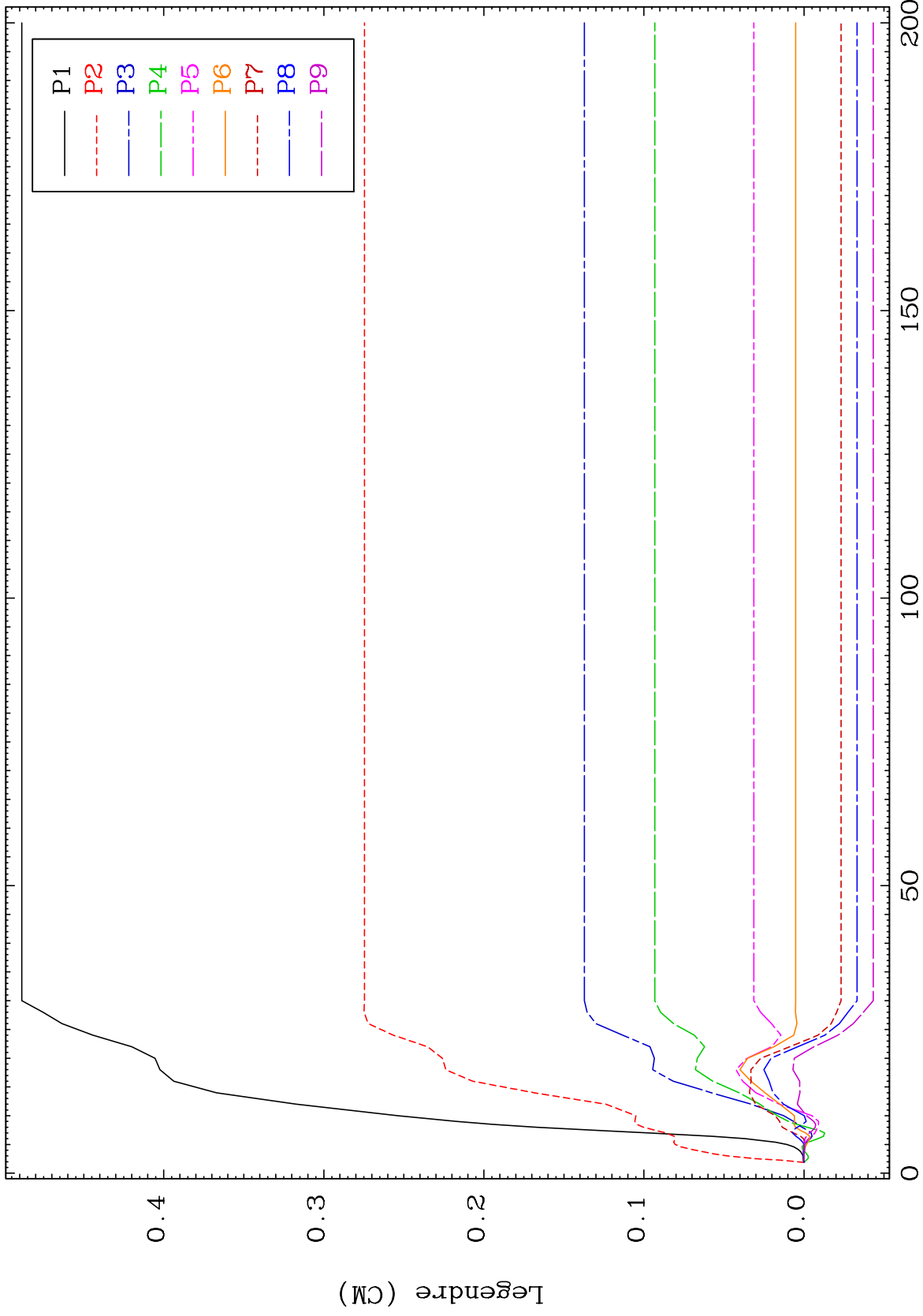
56-Ba-137



MAT 5646

MT= 61 (n,n') Level  
Legendre Coefficients

56-Ba-137



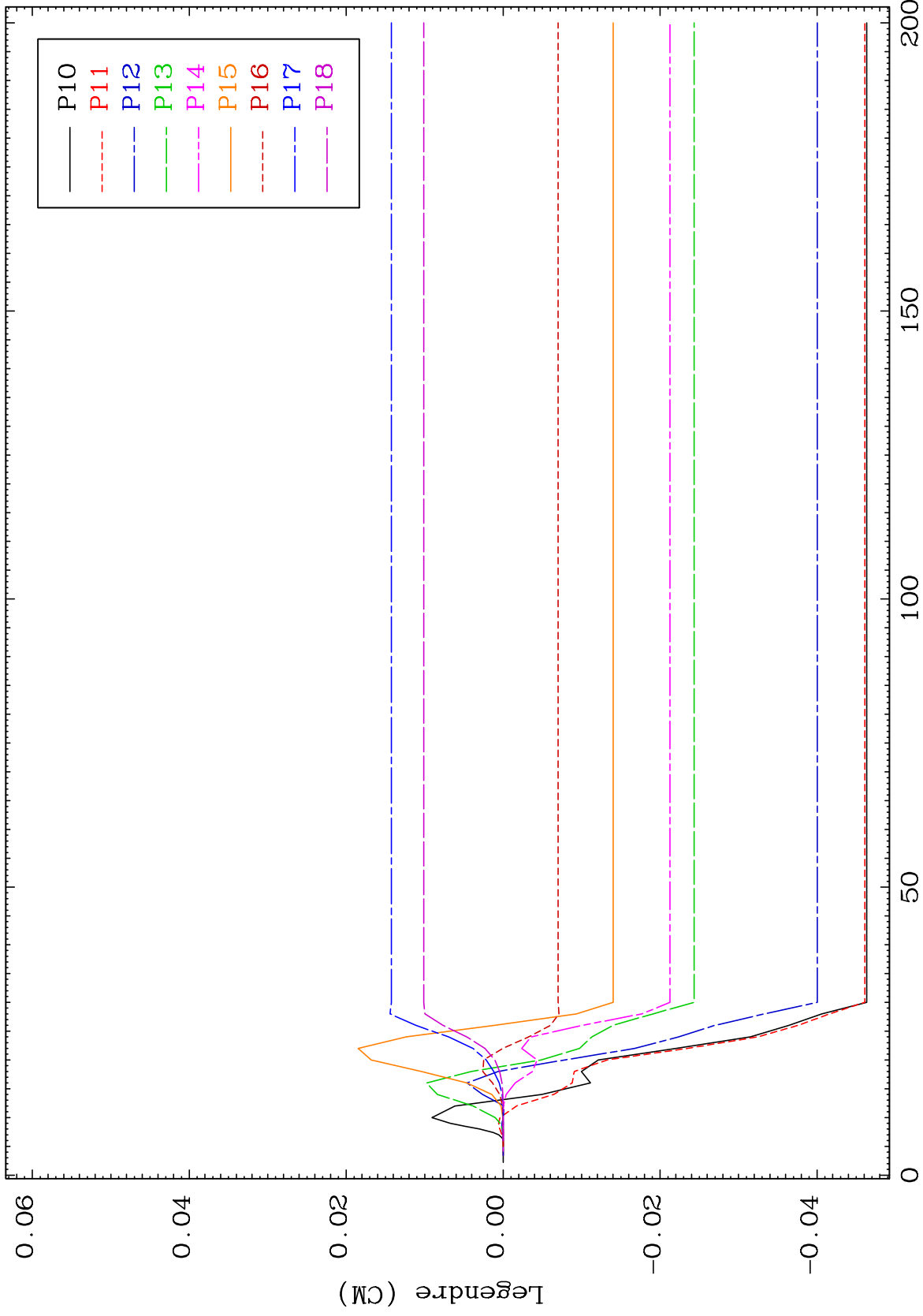
61

56-Ba-137

MAT 5646

MT= 61 (n,n') Level  
Legendre Coefficients

56-Ba-137



62

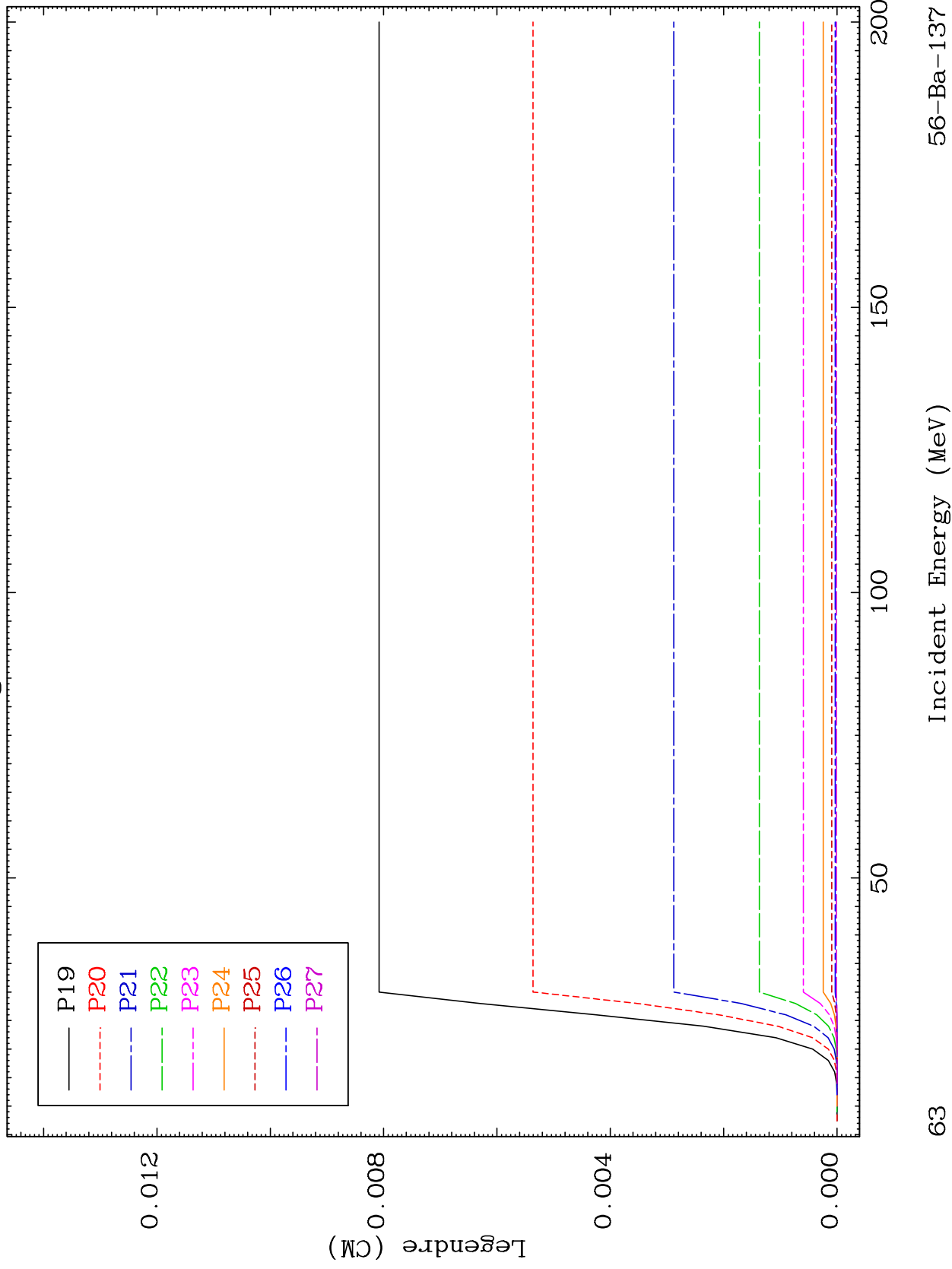
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 61 (n,n') Level  
Legendre Coefficients

56-Ba-137



63

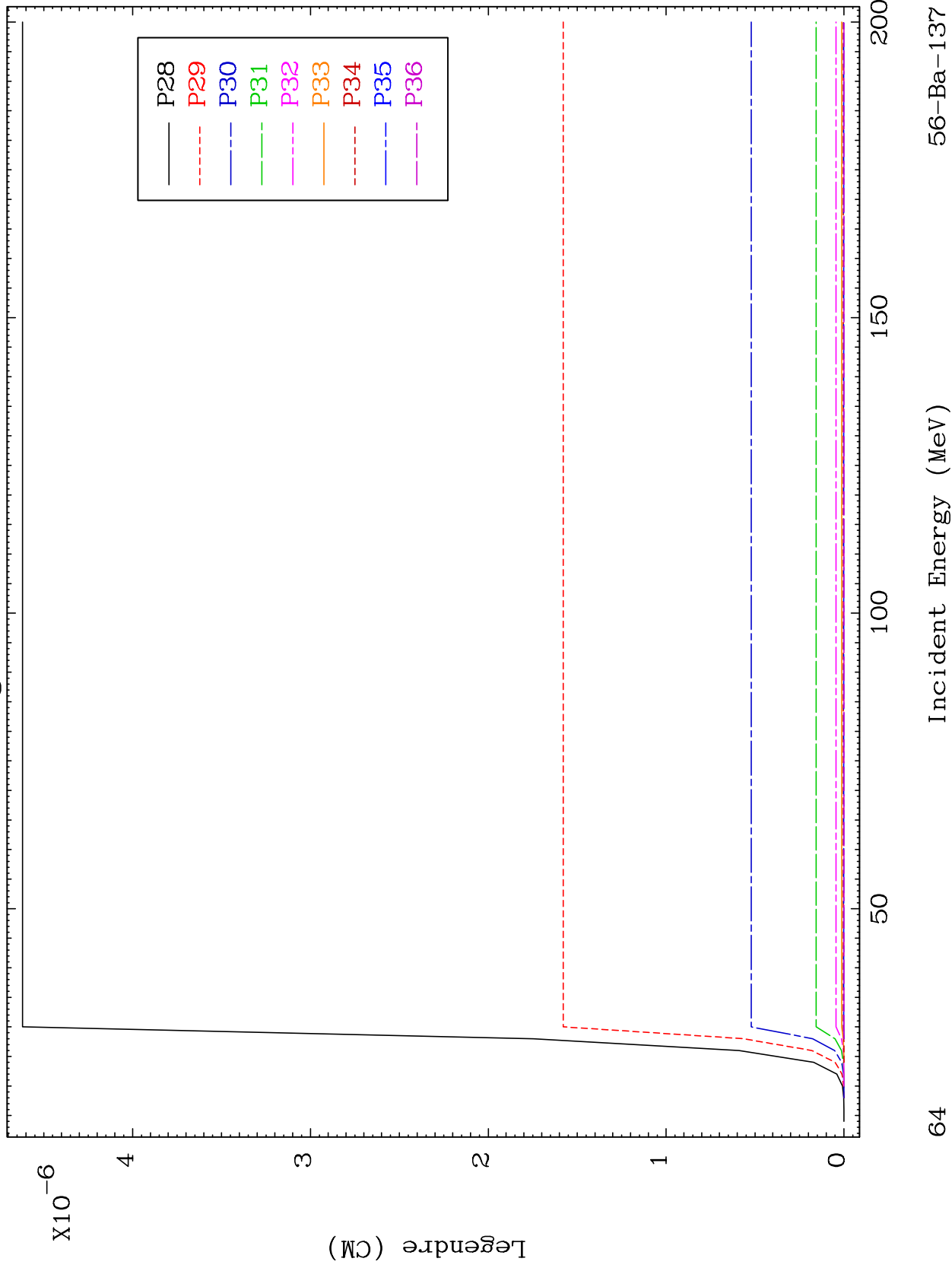
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 61 (n,n') Level  
Legendre Coefficients

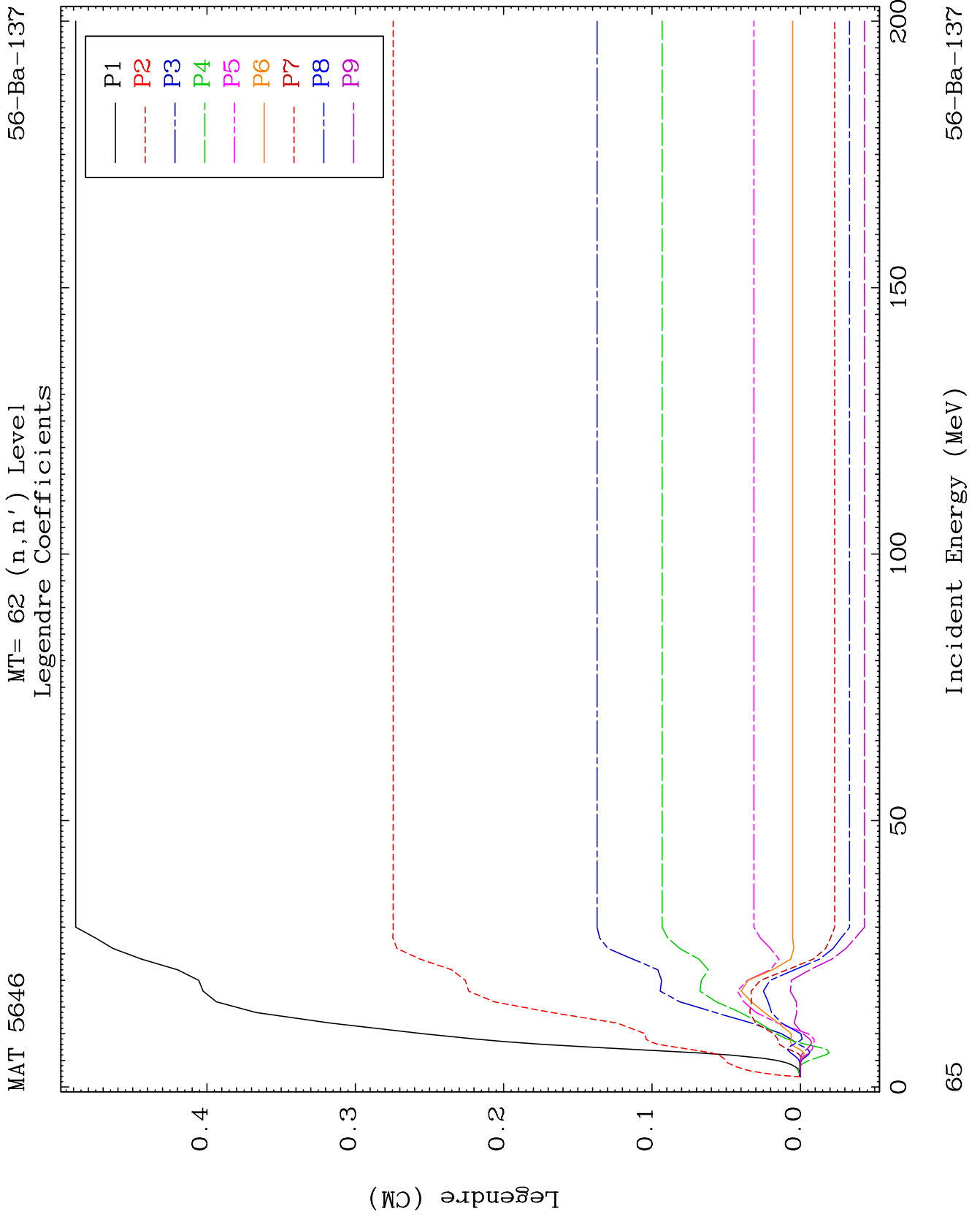
56-Ba-137



64

Incident Energy (MeV)

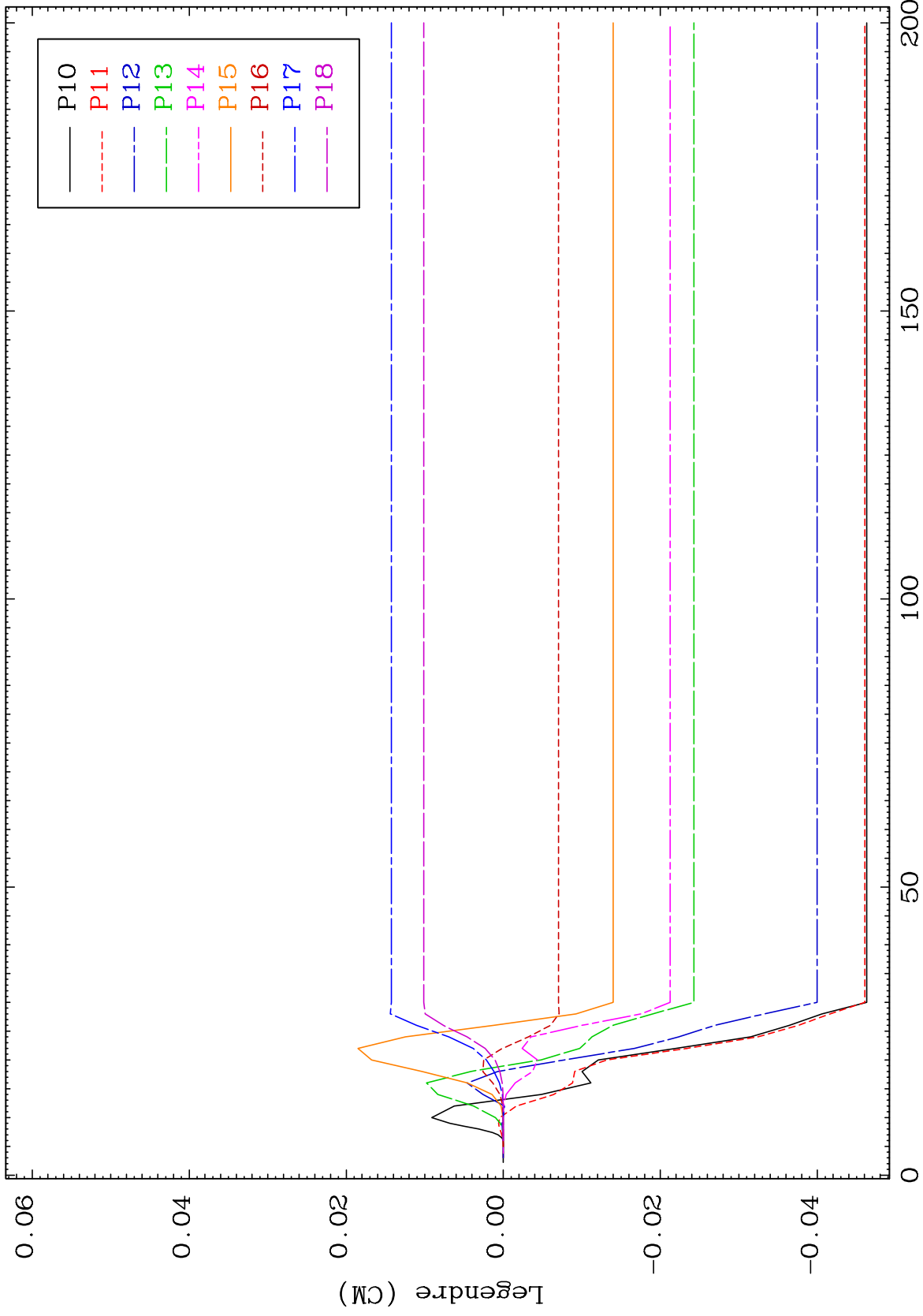
56-Ba-137



MAT 5646

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

56-Ba-137



66

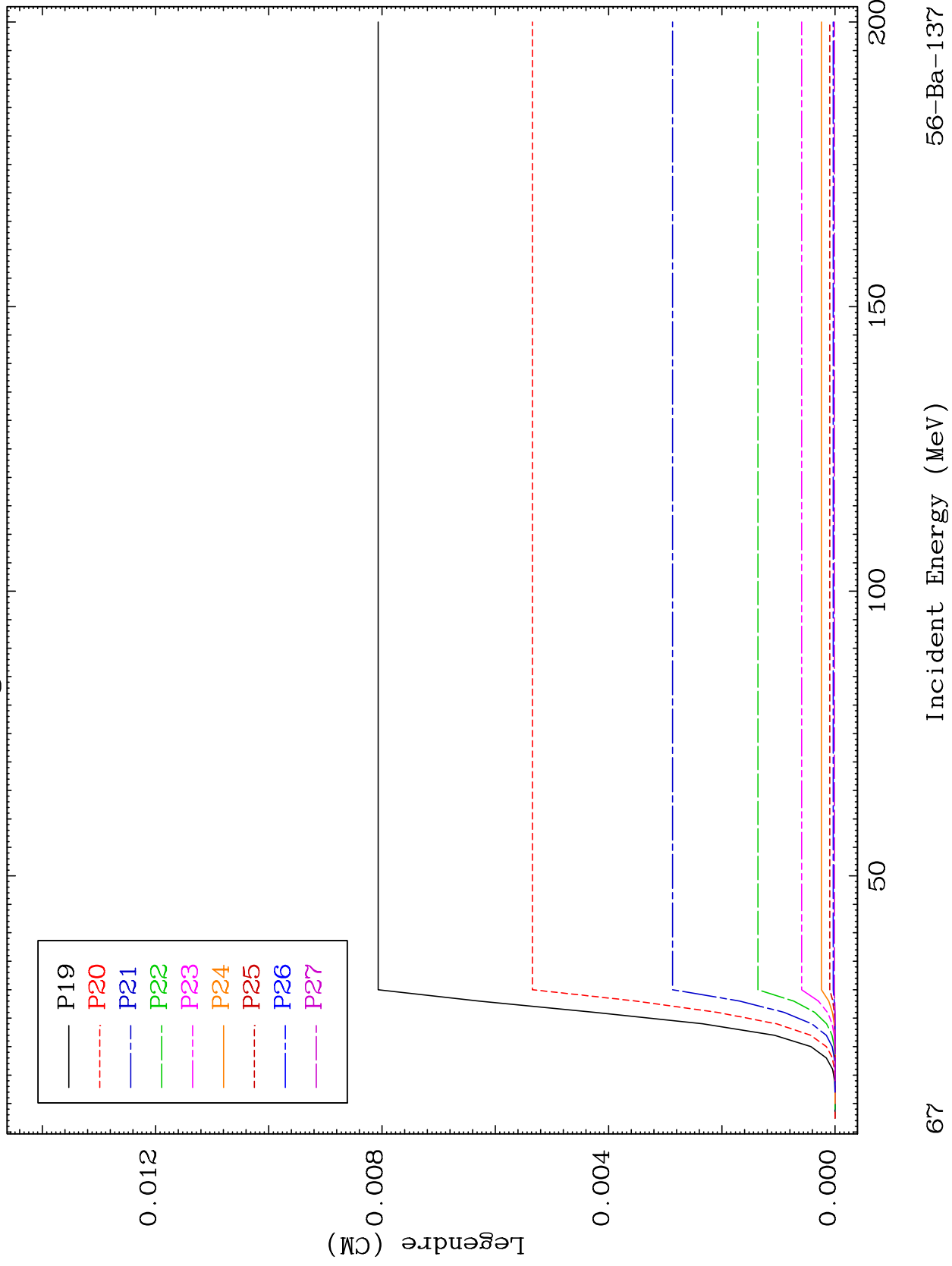
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



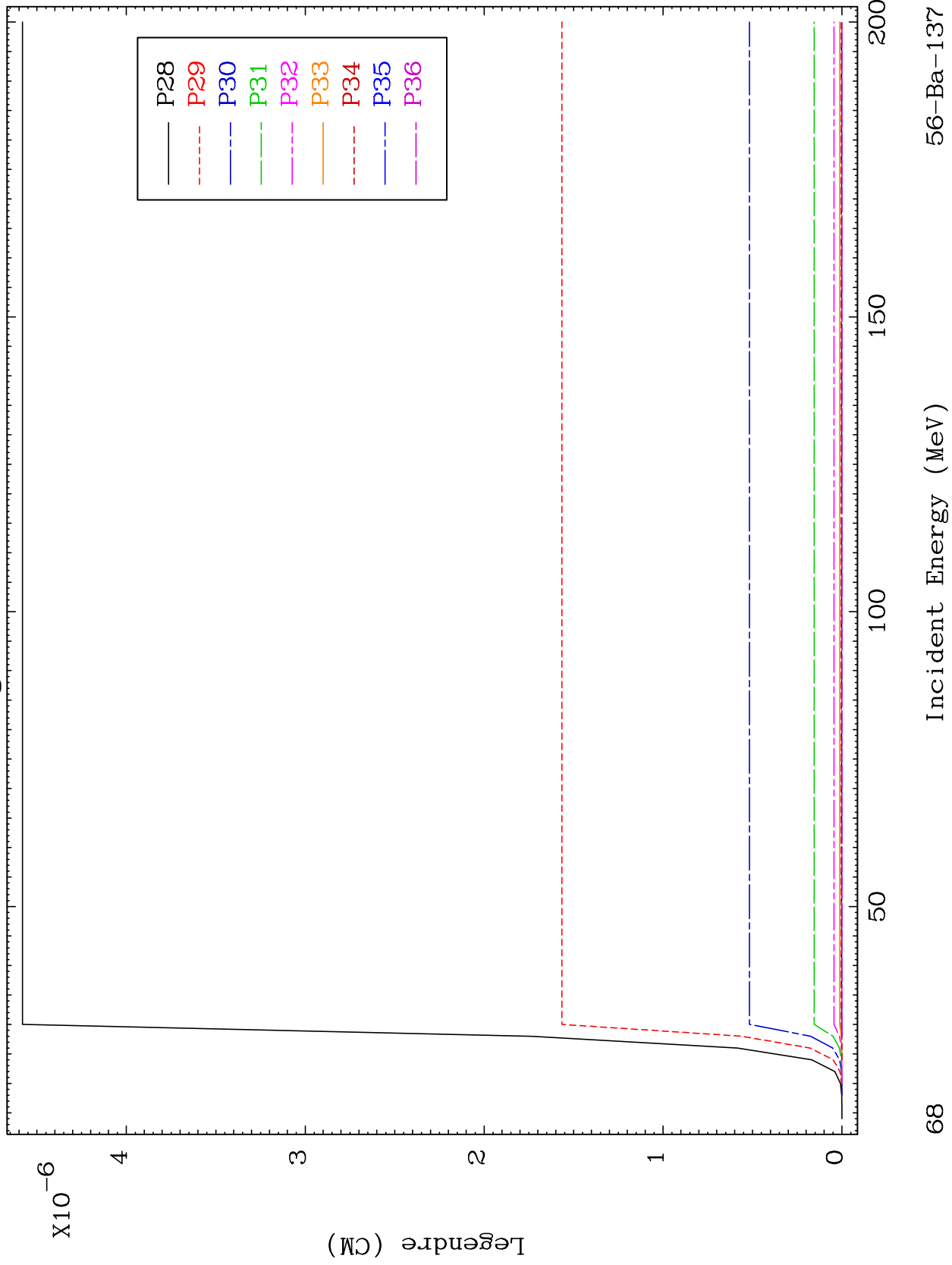
67

56-Ba-137

MAT 5646

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

56-Ba-137



68

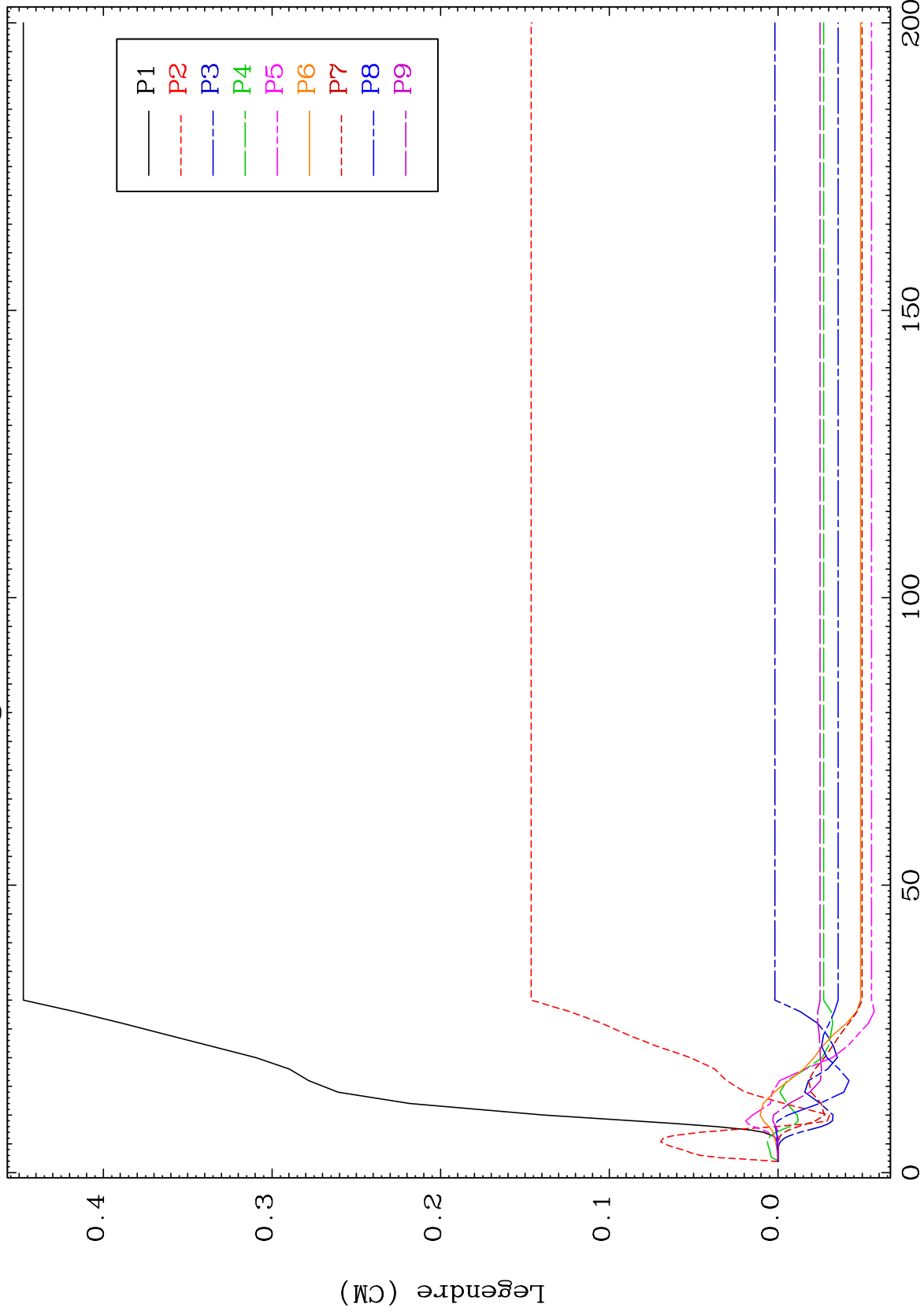
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



69

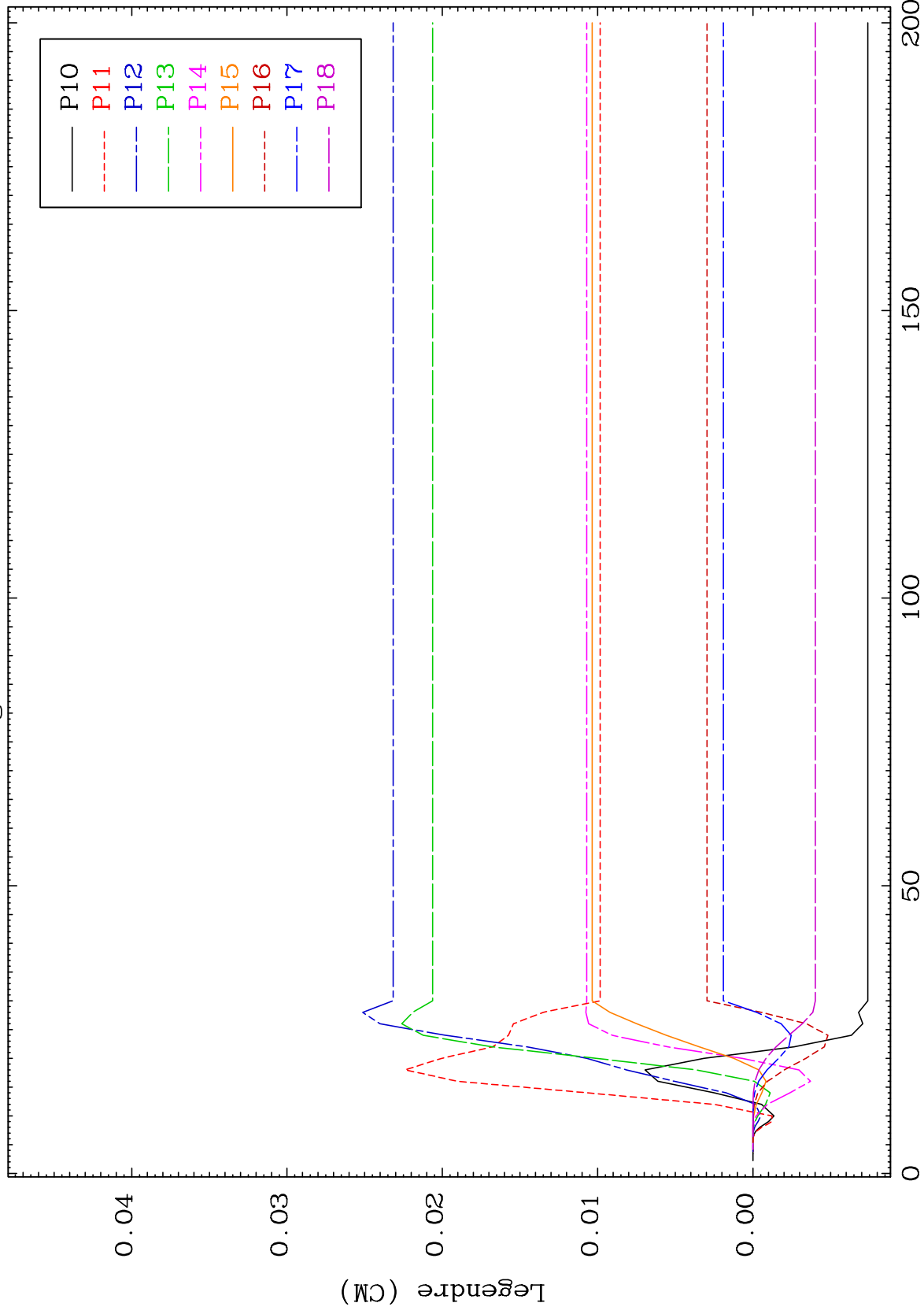
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

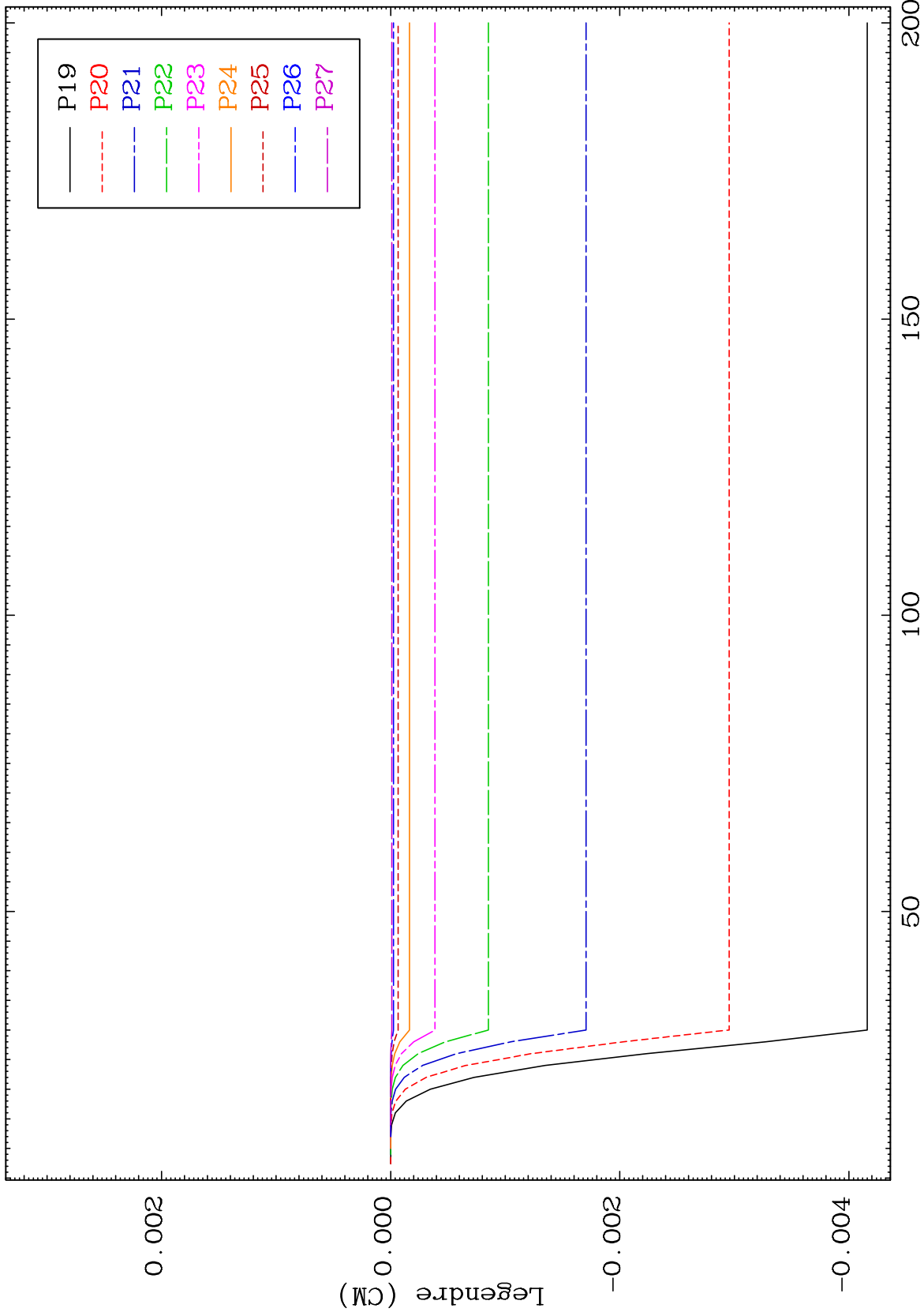
Incident Energy (MeV)

70

MAT 5646

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

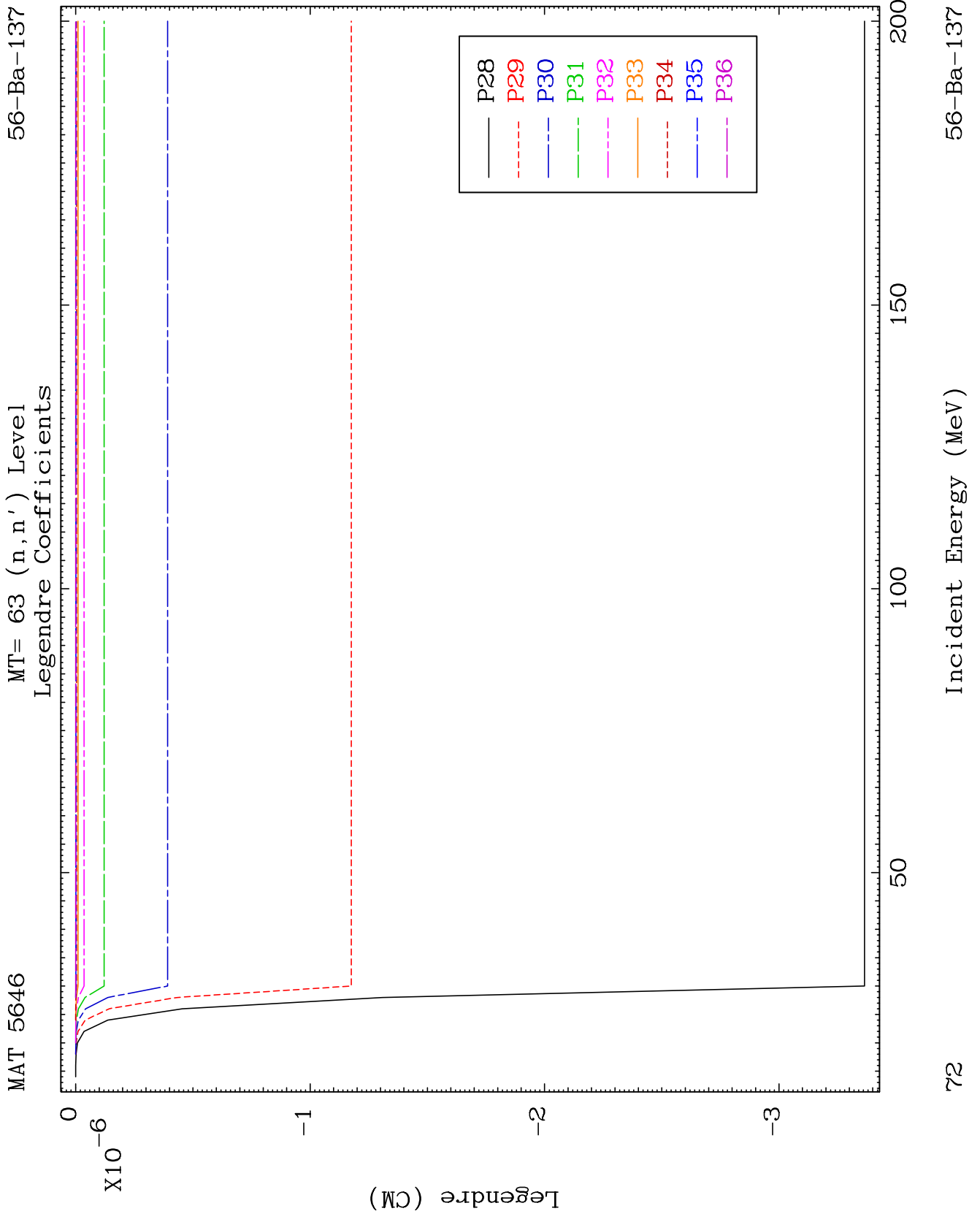
56-Ba-137



71

Incident Energy (MeV)

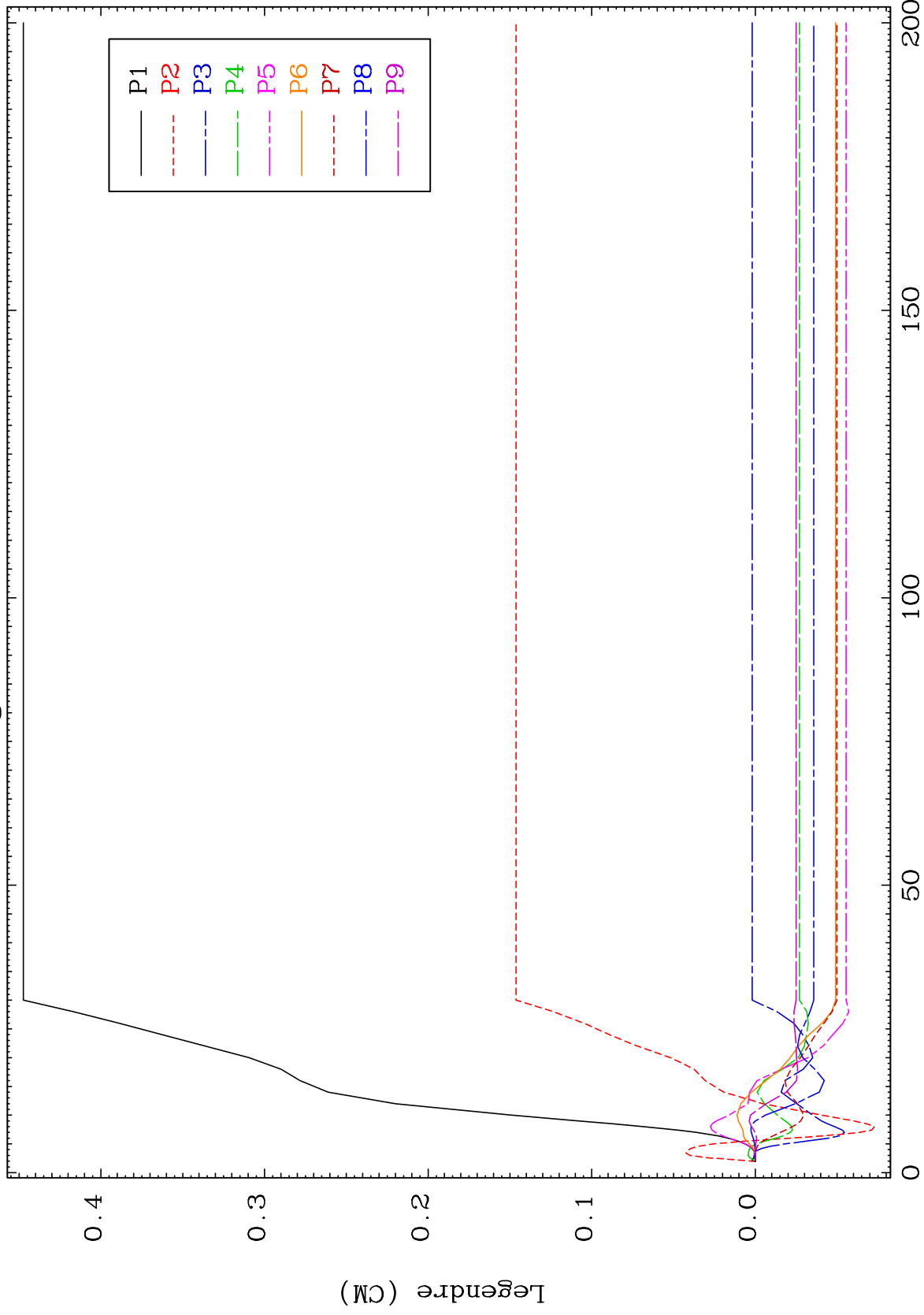
56-Ba-137



MAT 5646

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

56-Ba-137



73

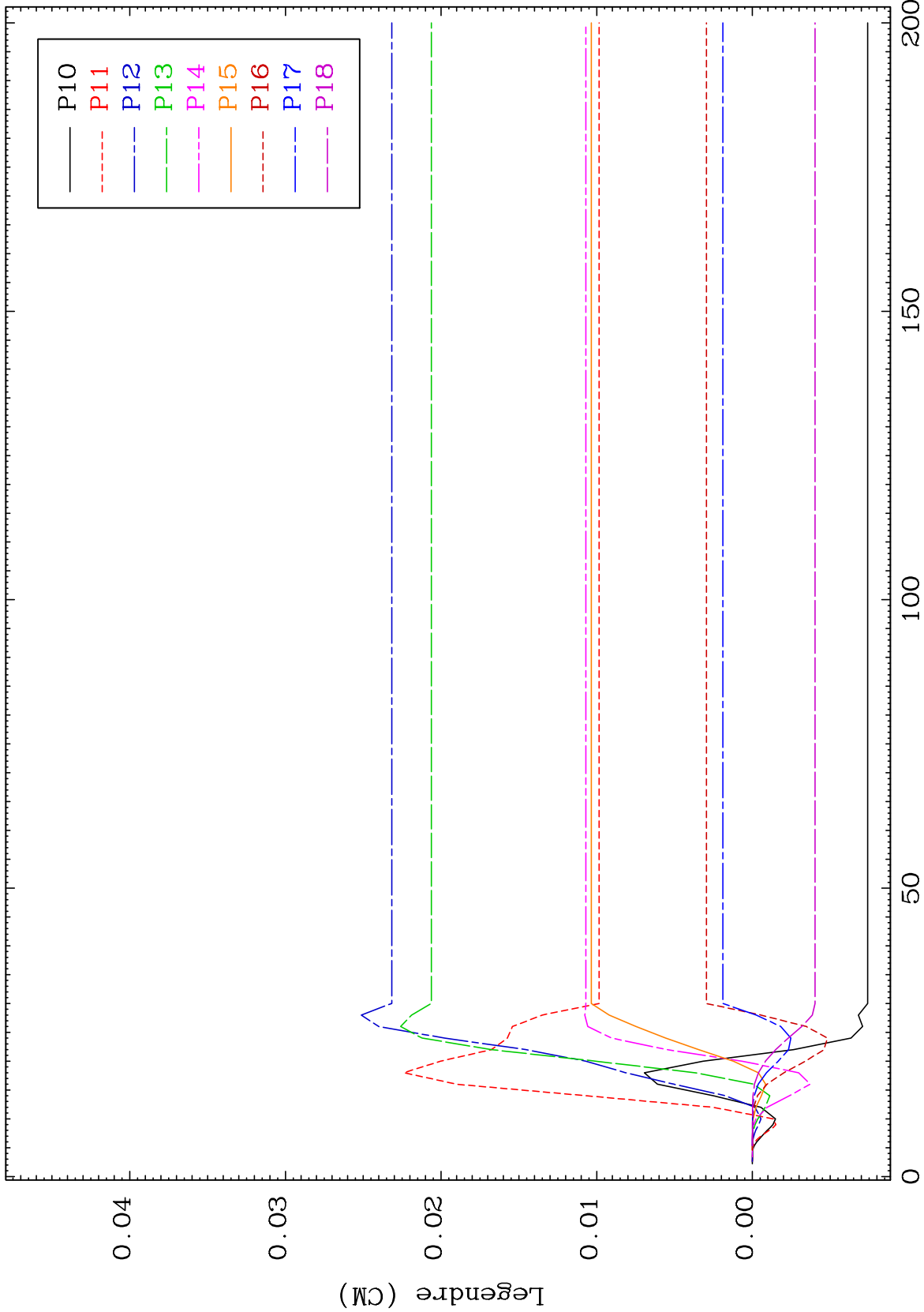
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



74

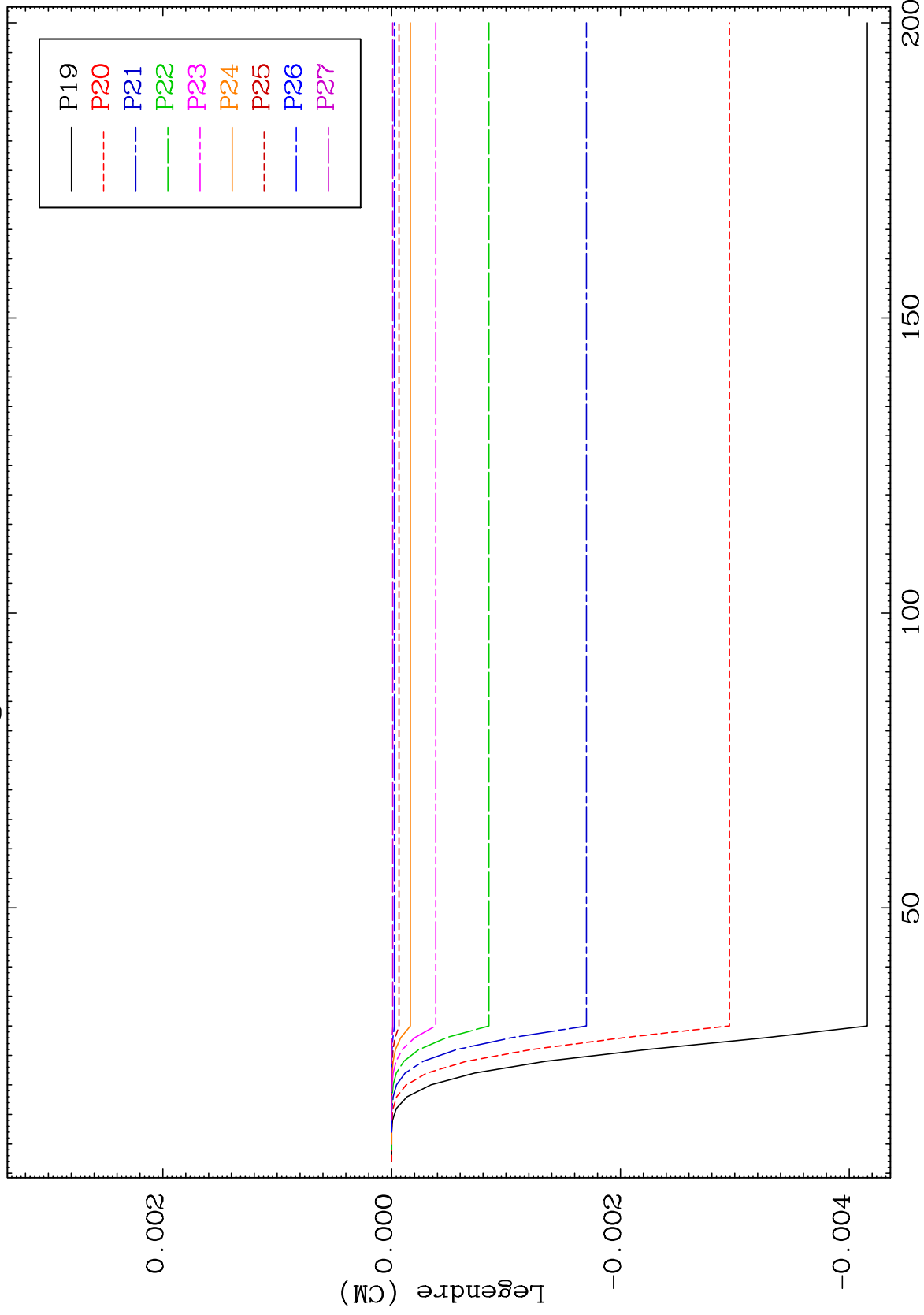
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

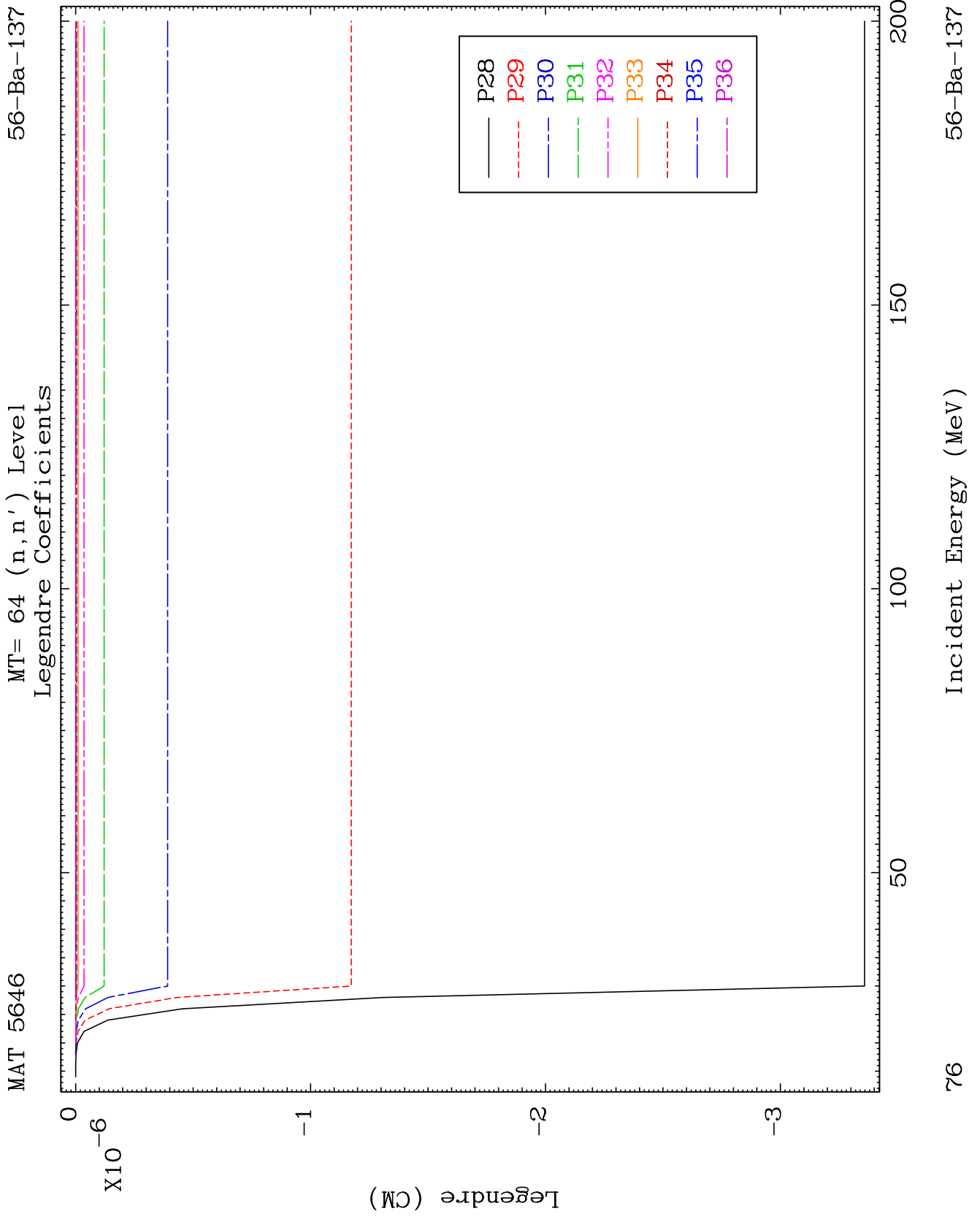
56-Ba-137



75

Incident Energy (MeV)

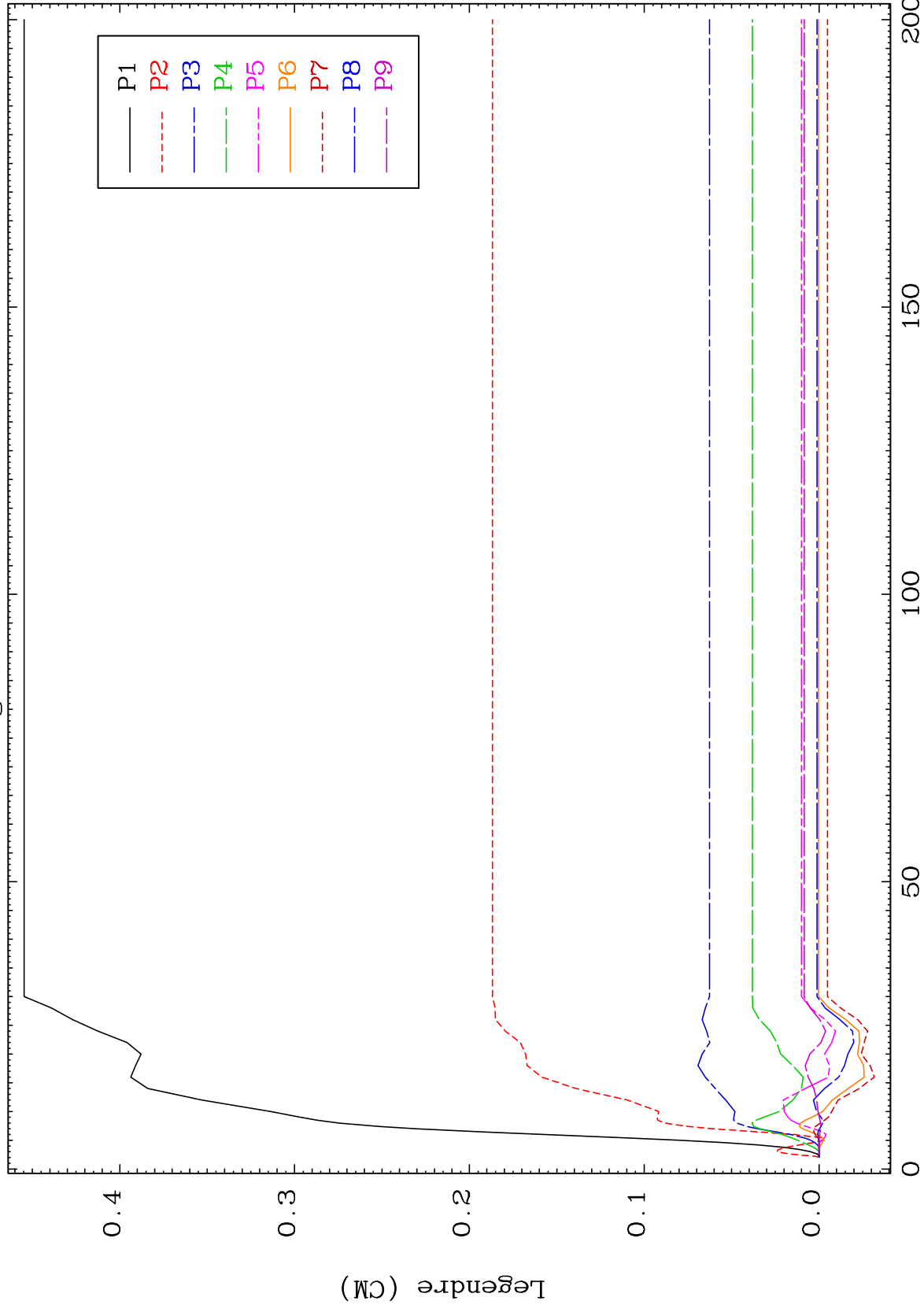
56-Ba-137



MAT 5646

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

56-Ba-137



77

Incident Energy (MeV)

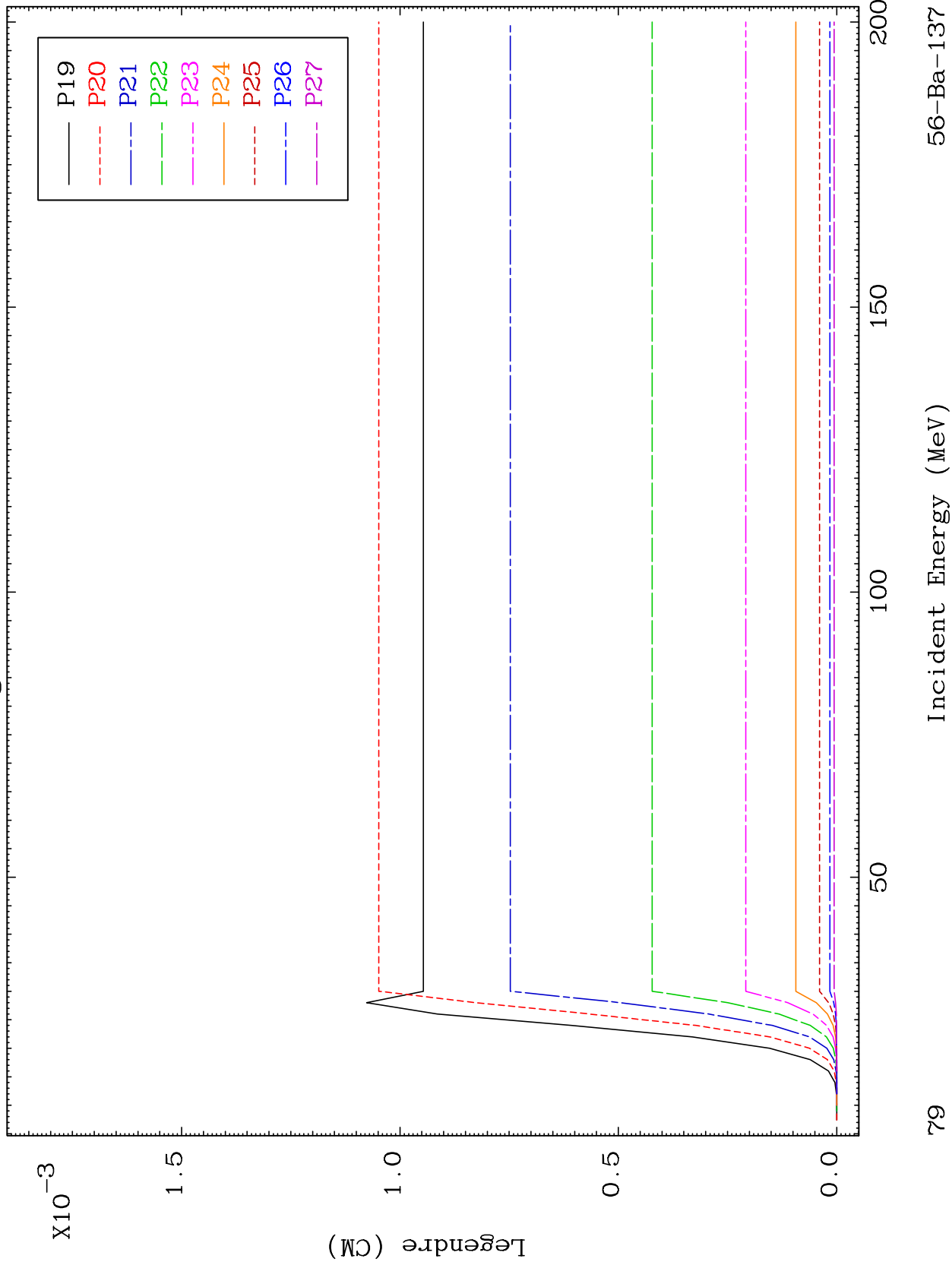
56-Ba-137



MAT 5646

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

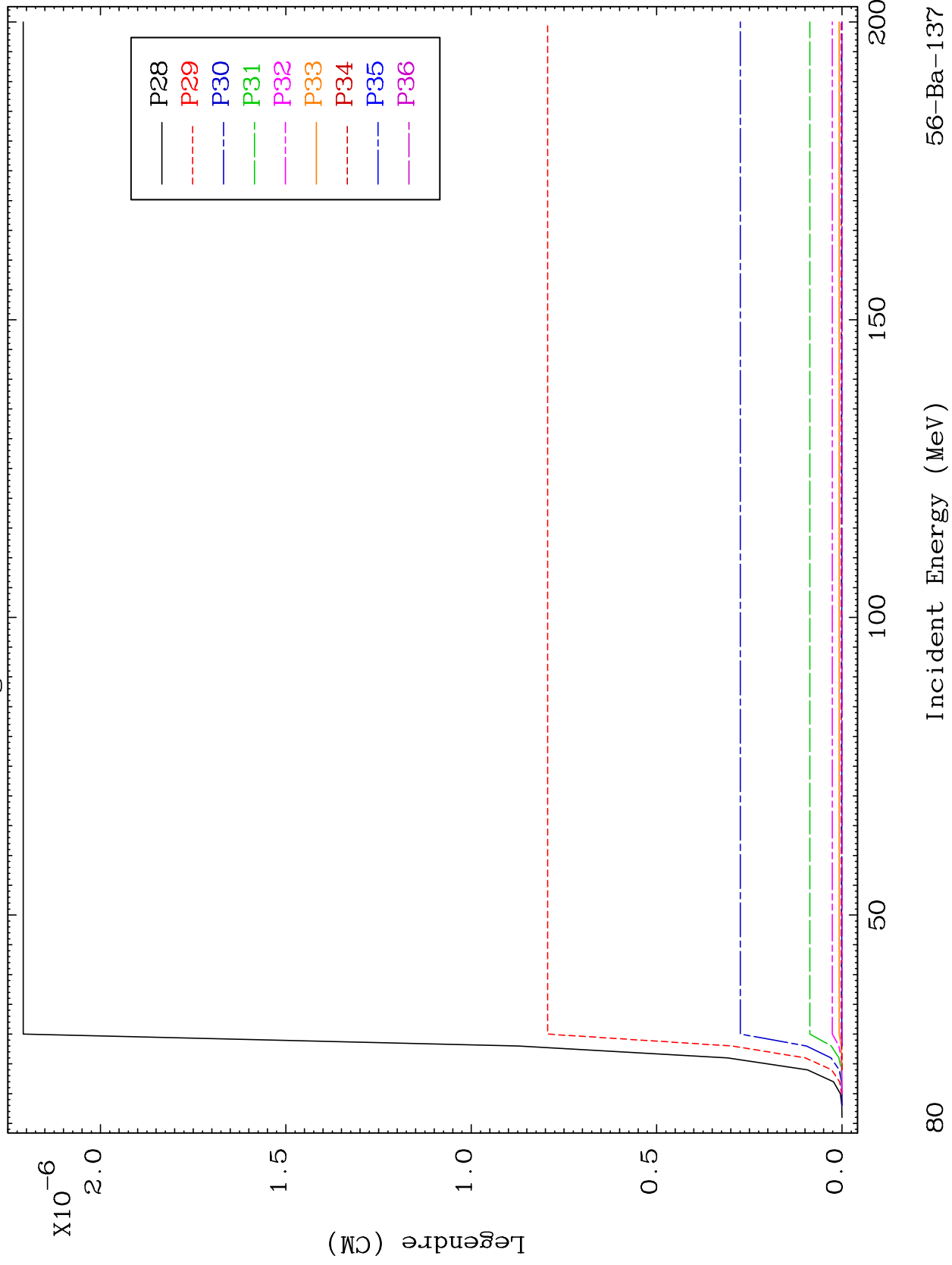
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

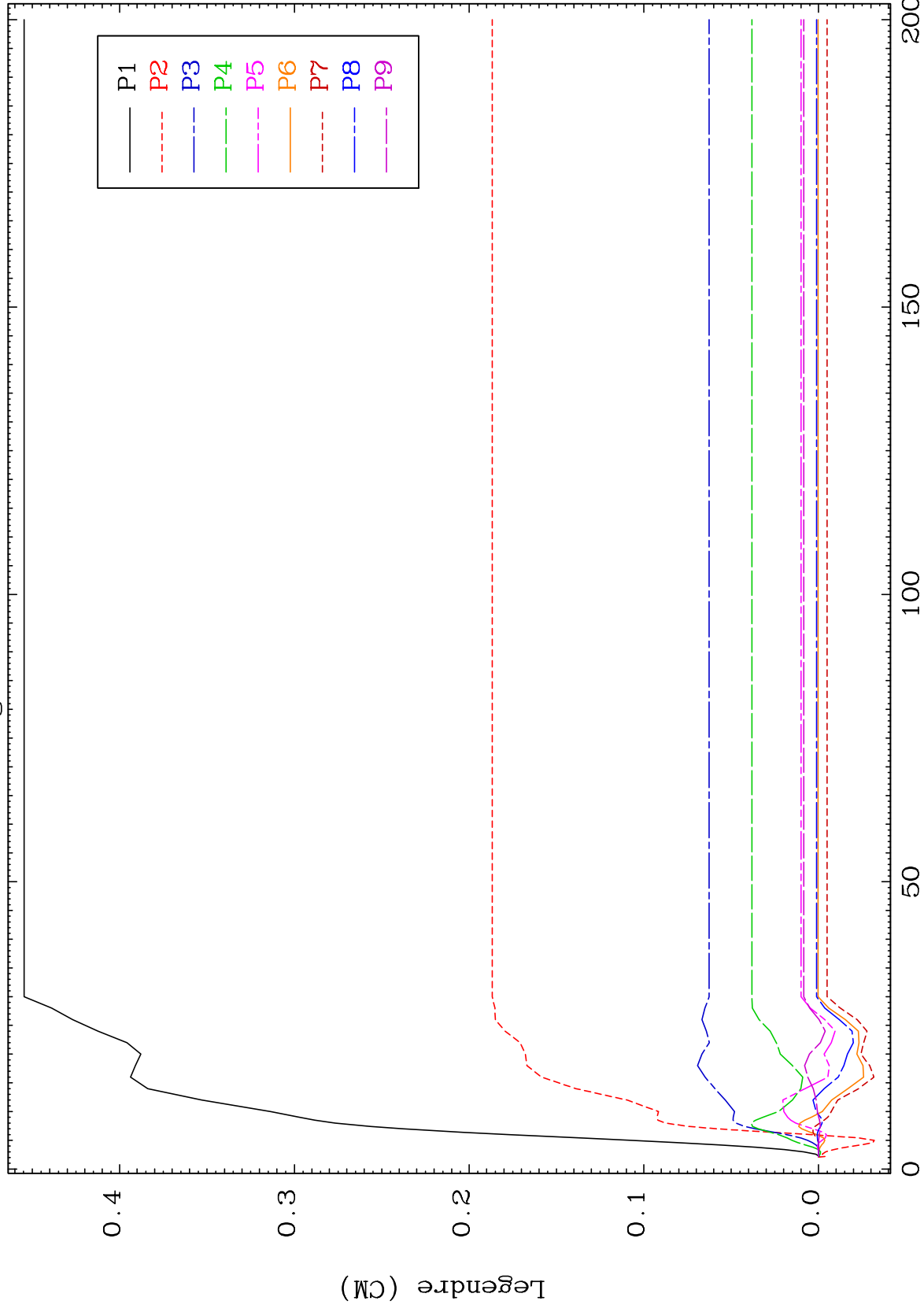
Incident Energy (MeV)

80

MAT 5646

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

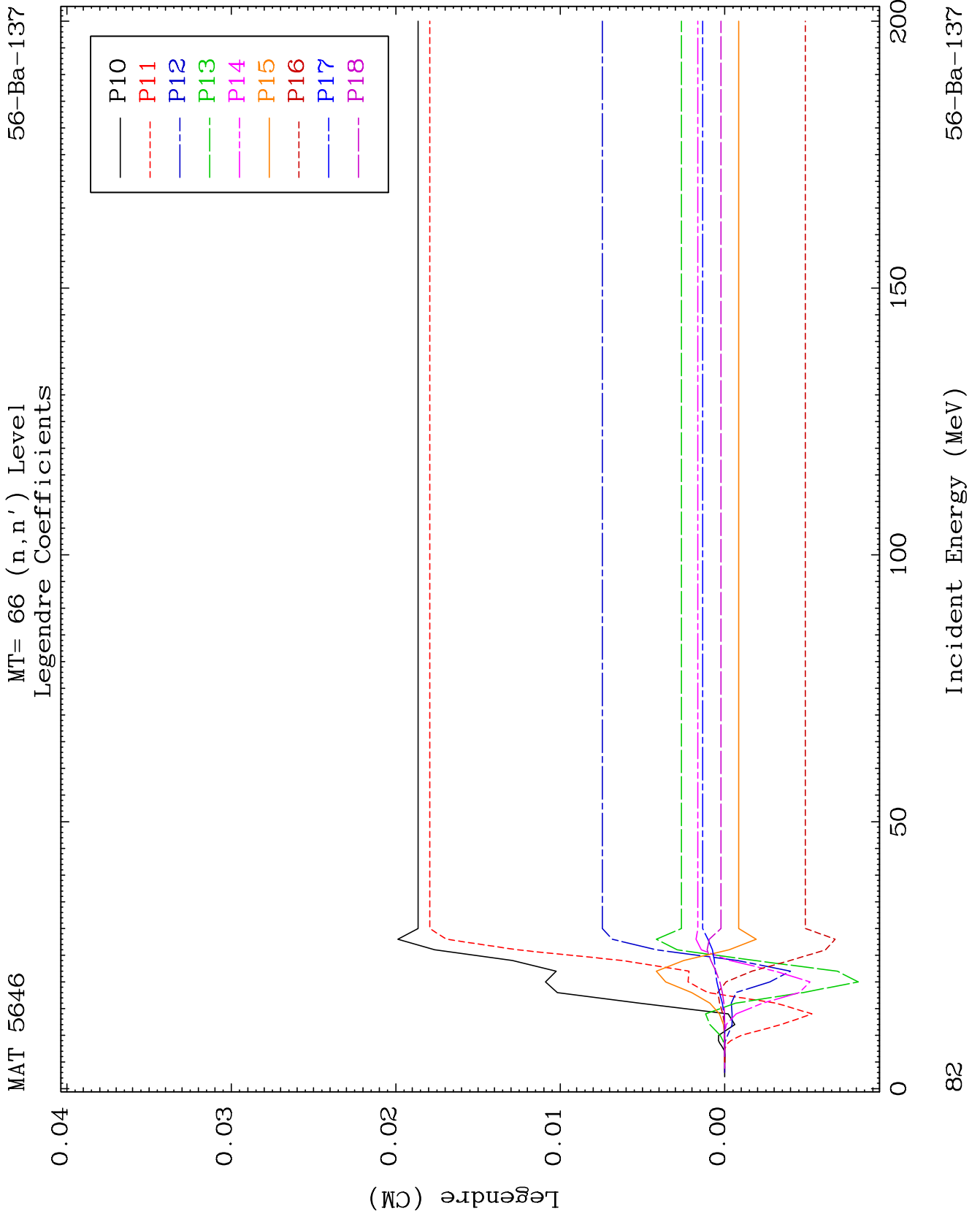
56-Ba-137



81

Incident Energy (MeV)

56-Ba-137



56-Ba-137

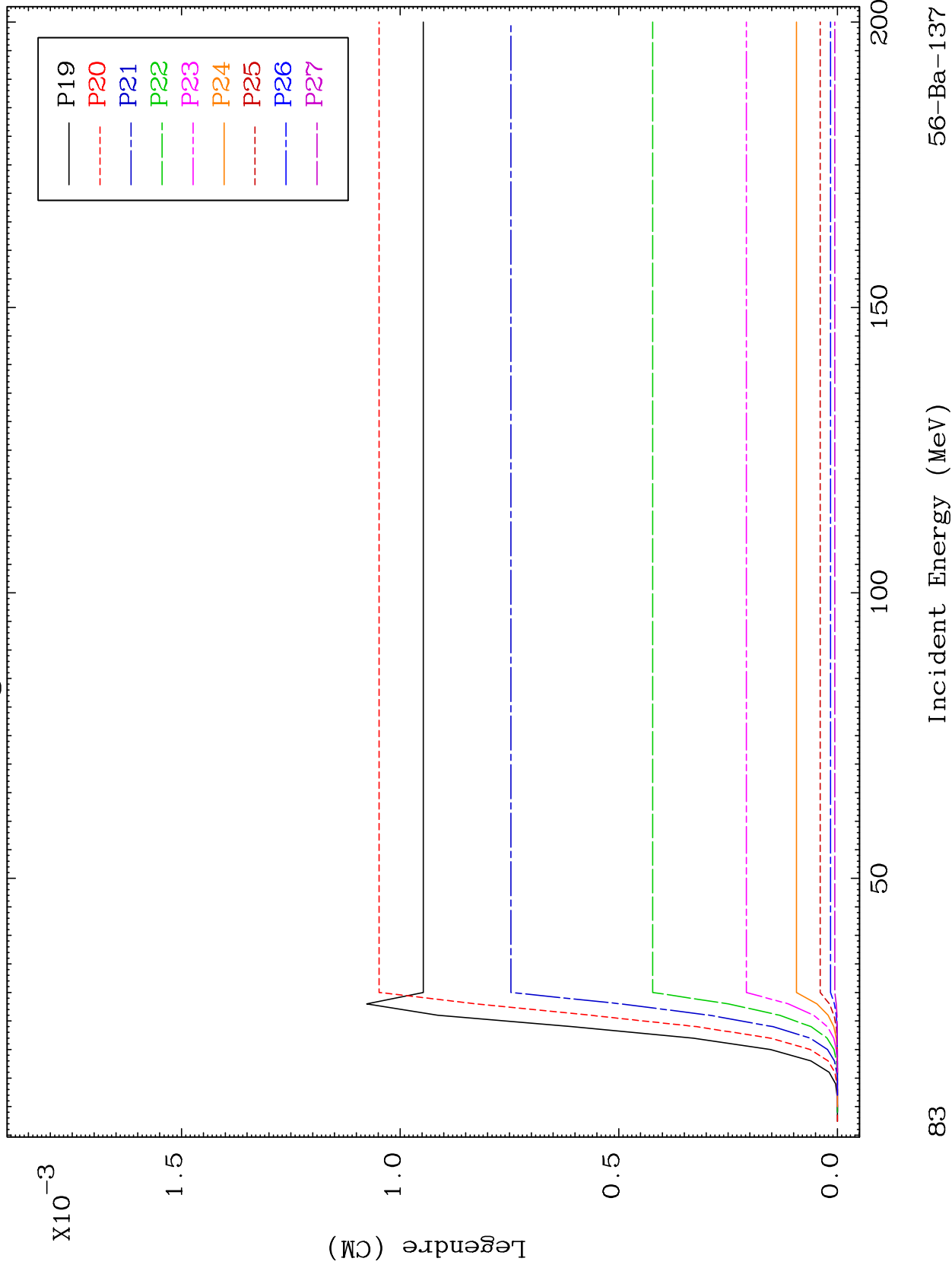
Incident Energy (MeV)

82

MAT 5646

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

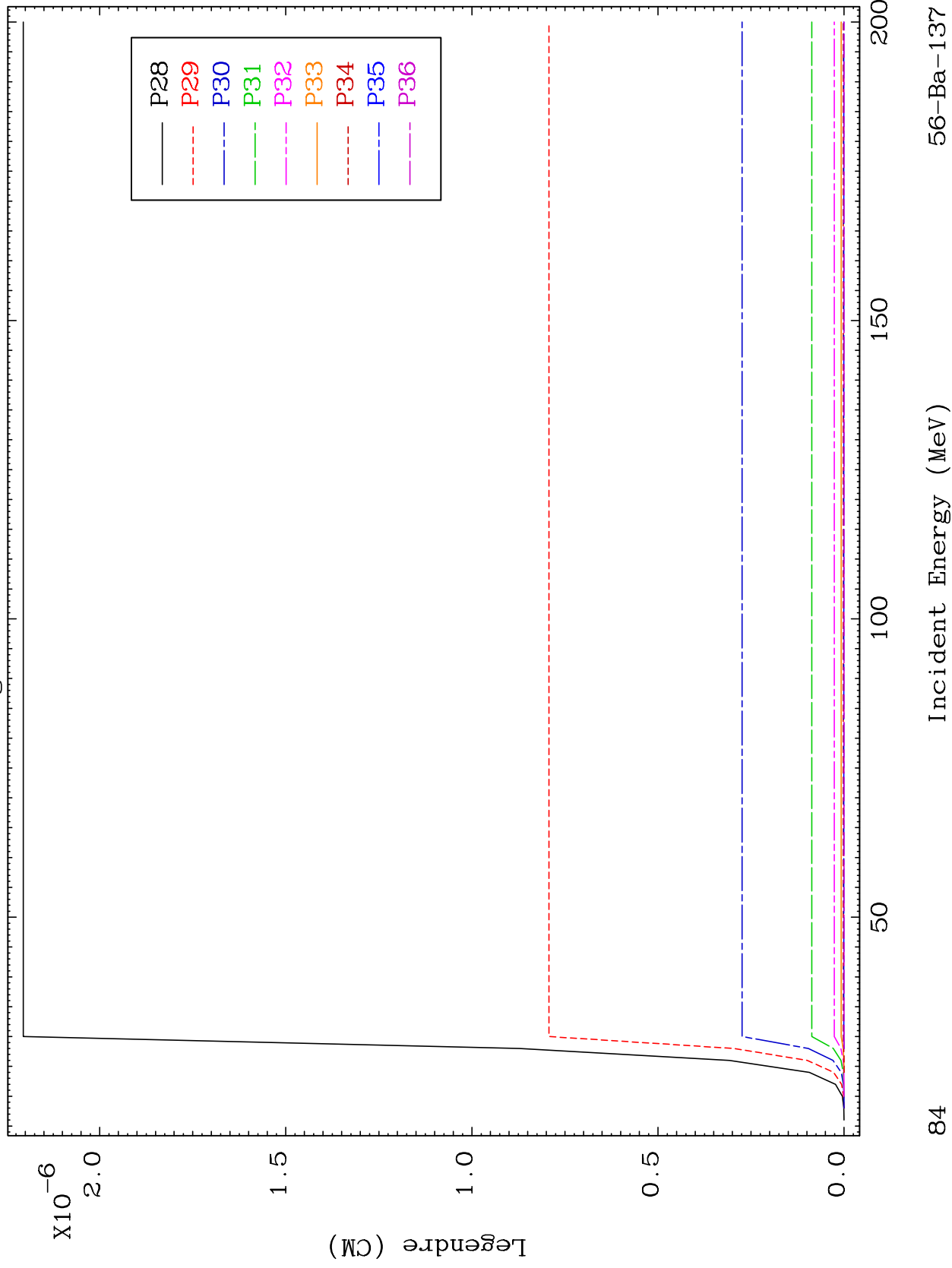
56-Ba-137



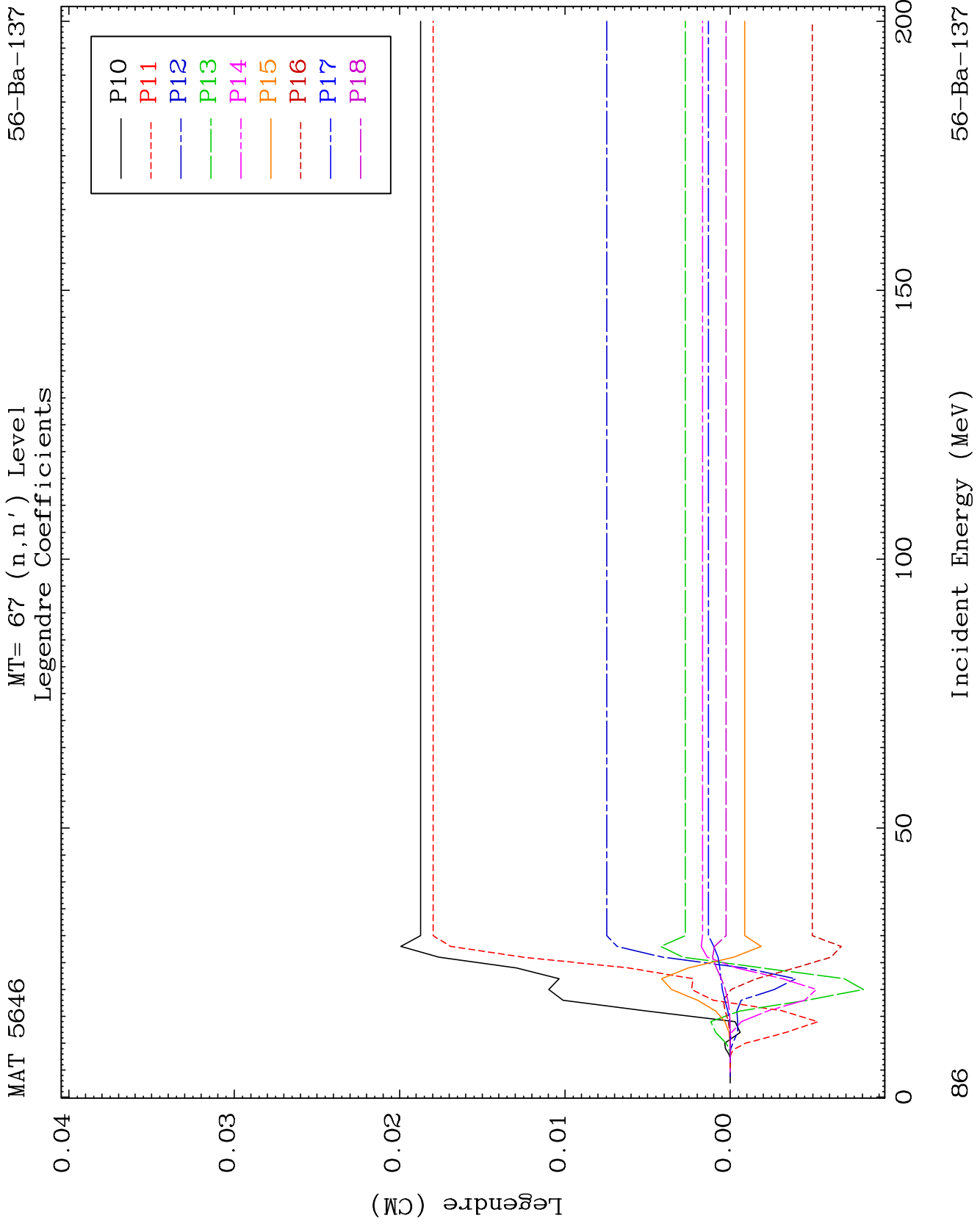
MAT 5646

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

56-Ba-137







56-Ba-137

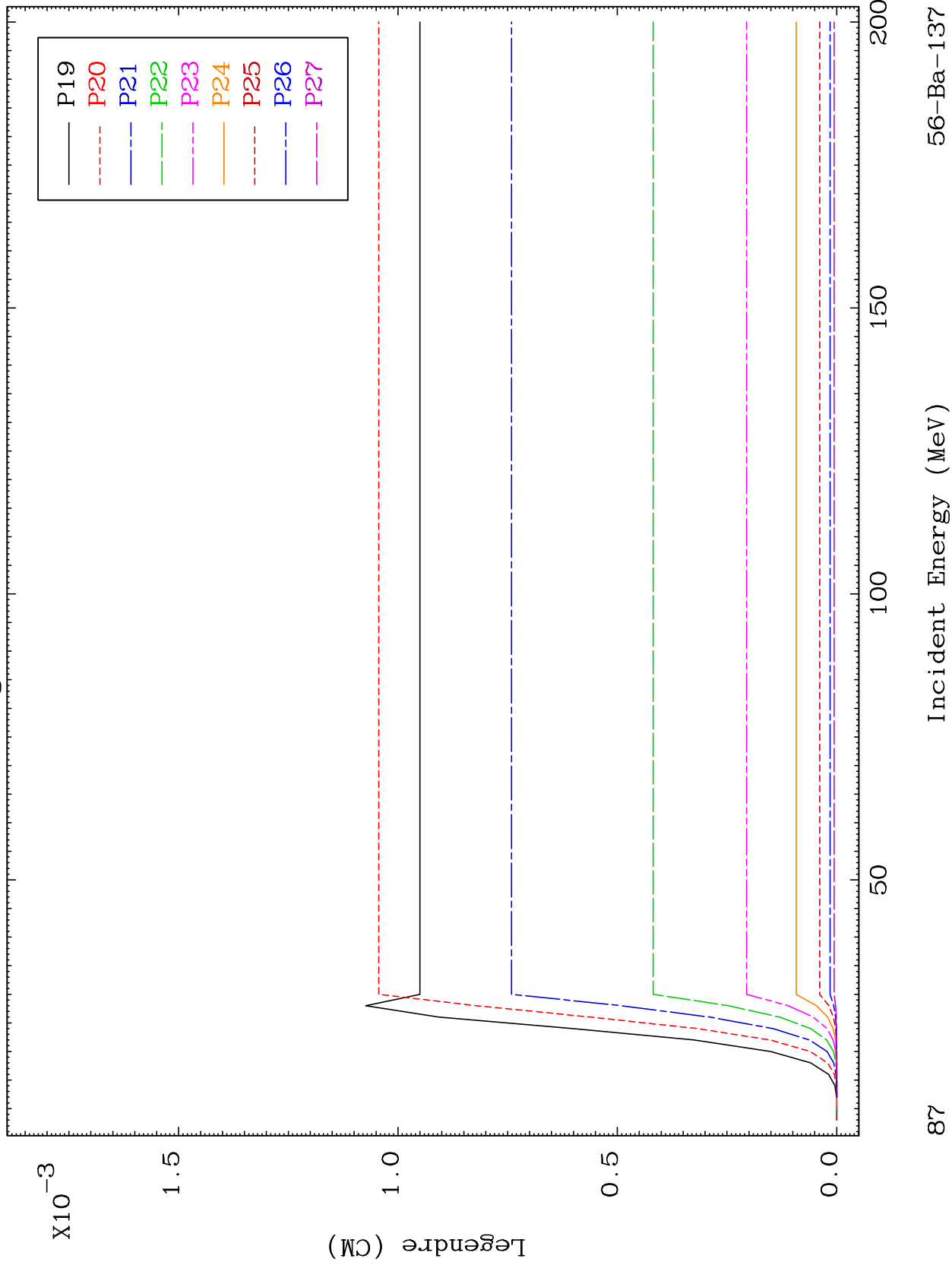
Incident Energy (MeV)

86

MAT 5646

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

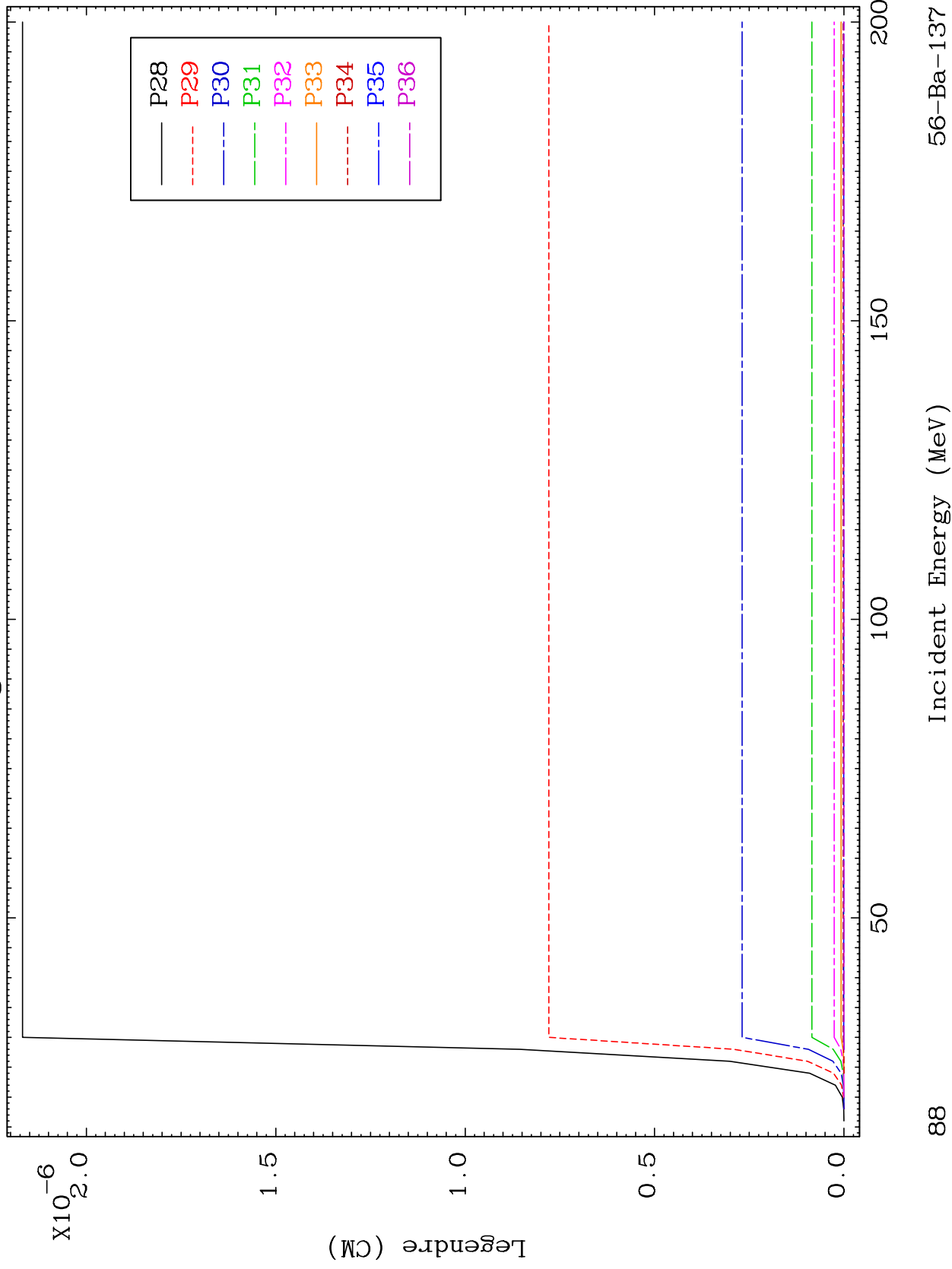
56-Ba-137



MAT 5646

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

56-Ba-137



88

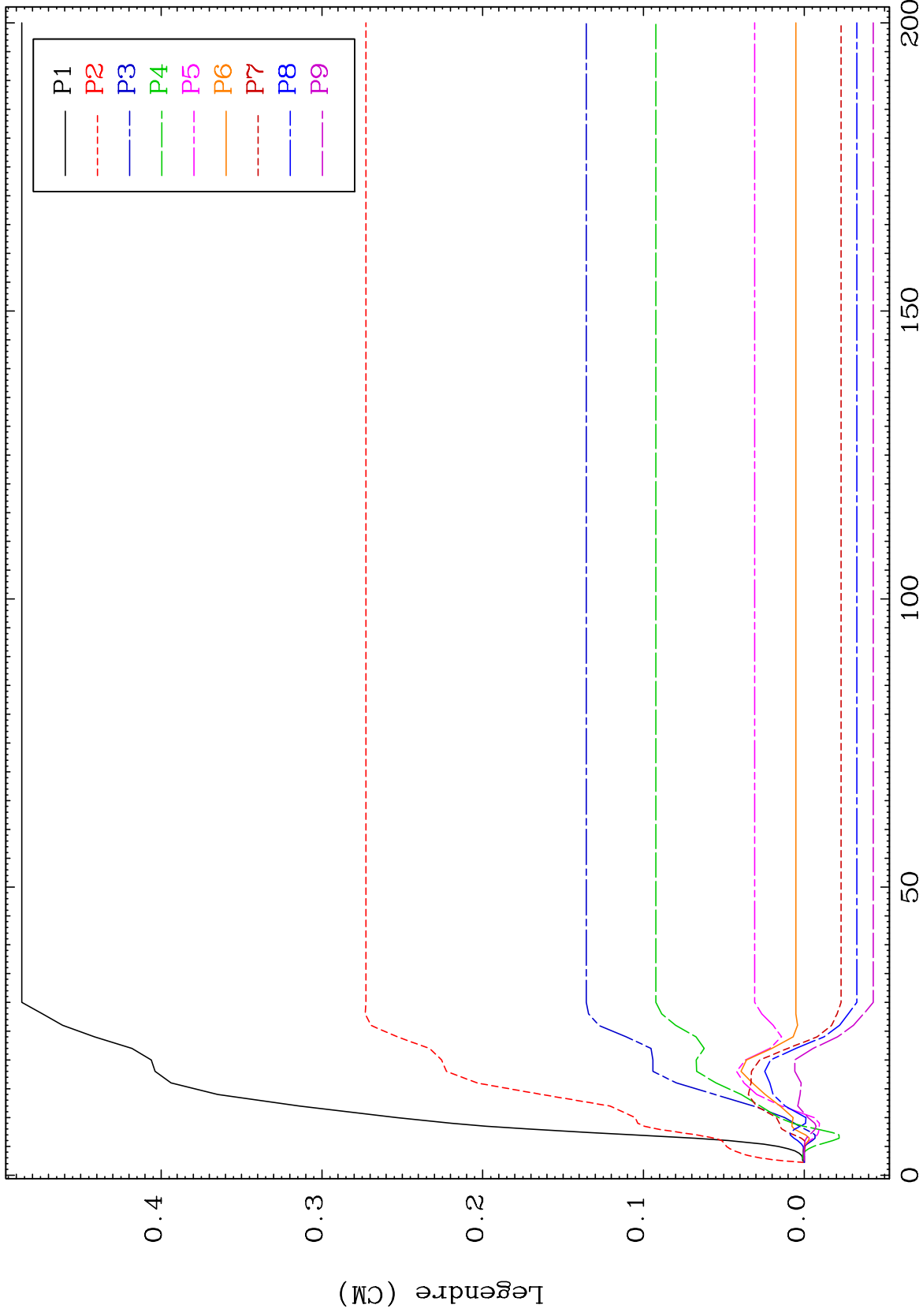
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



89

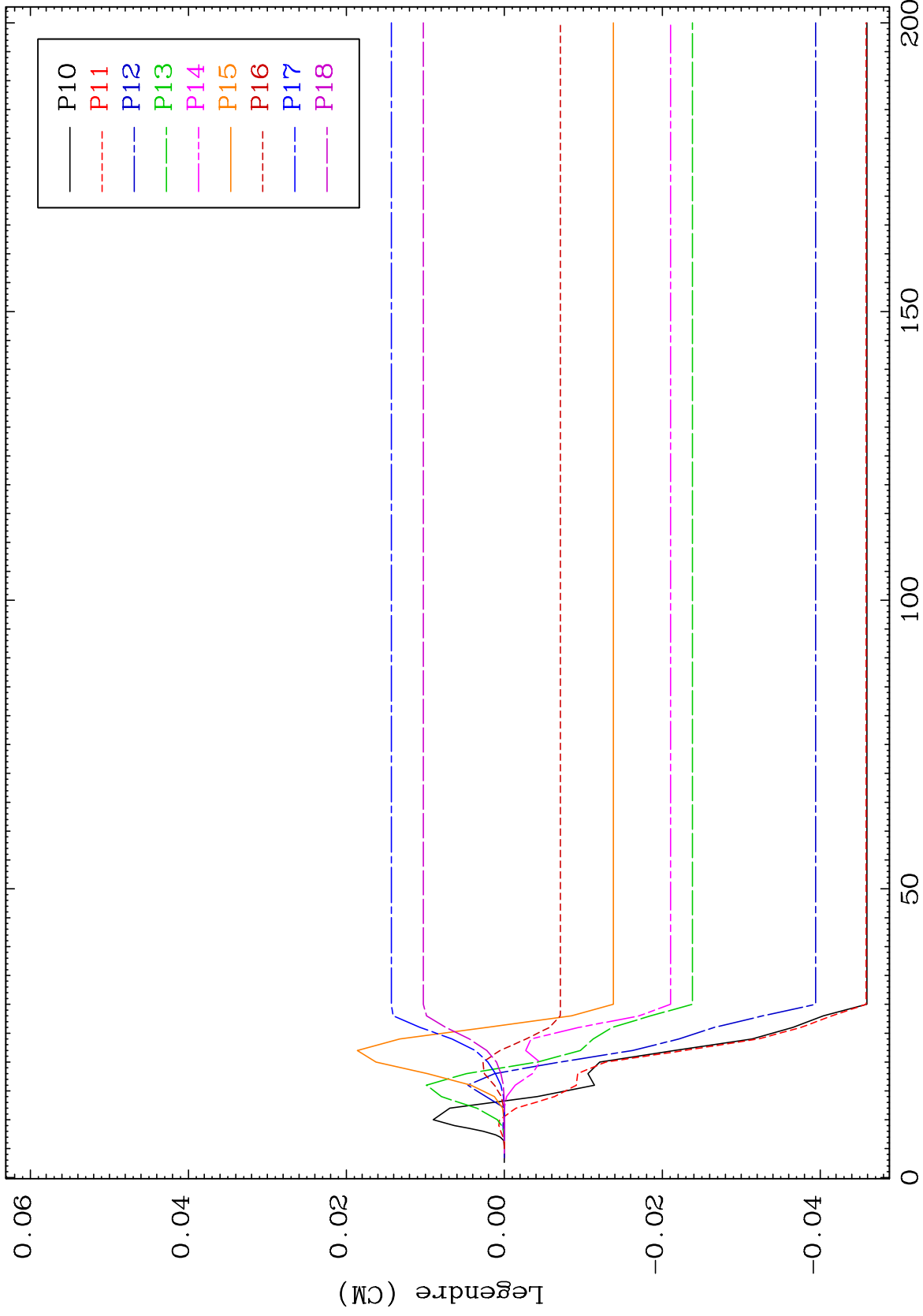
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



90

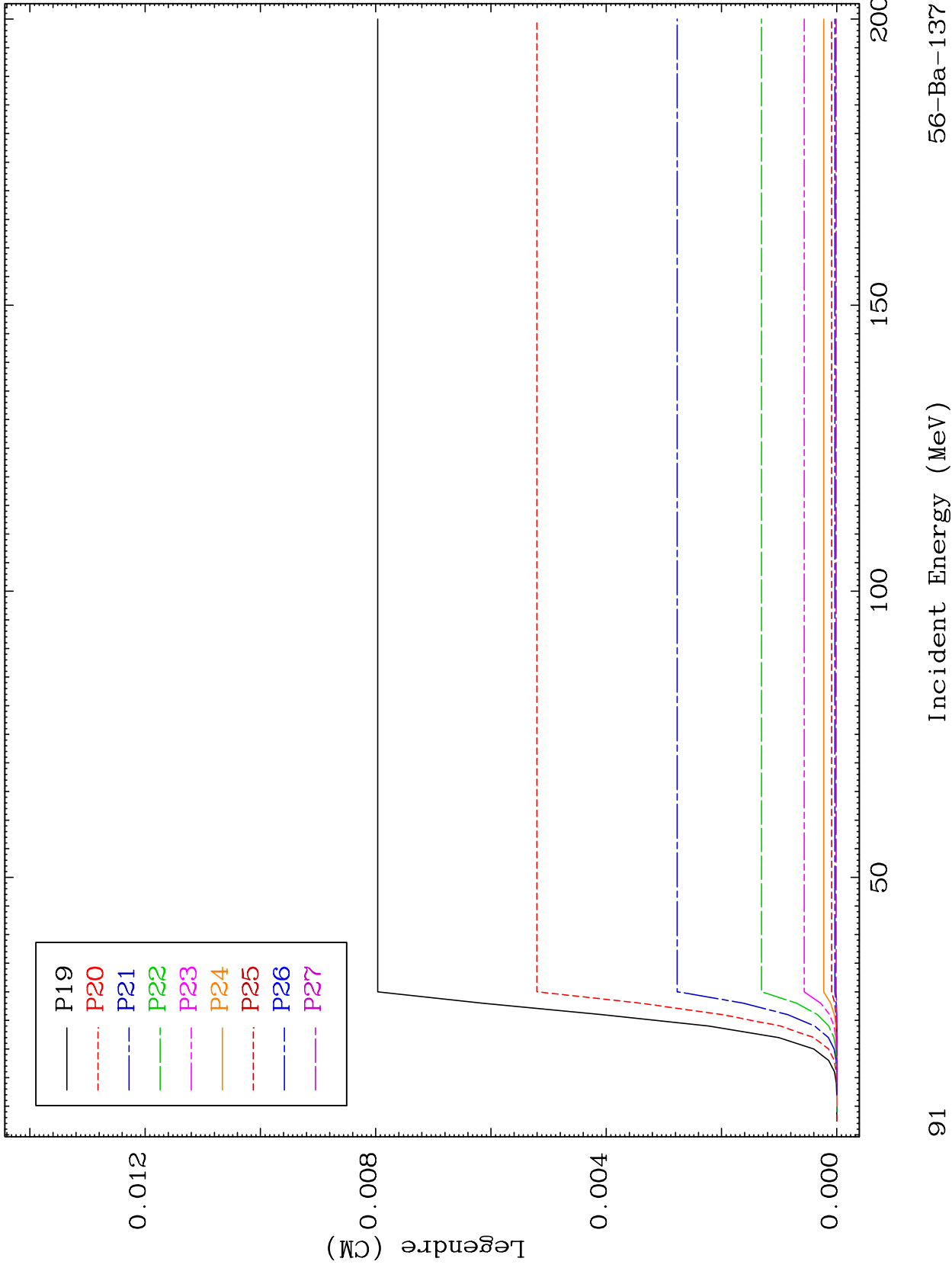
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



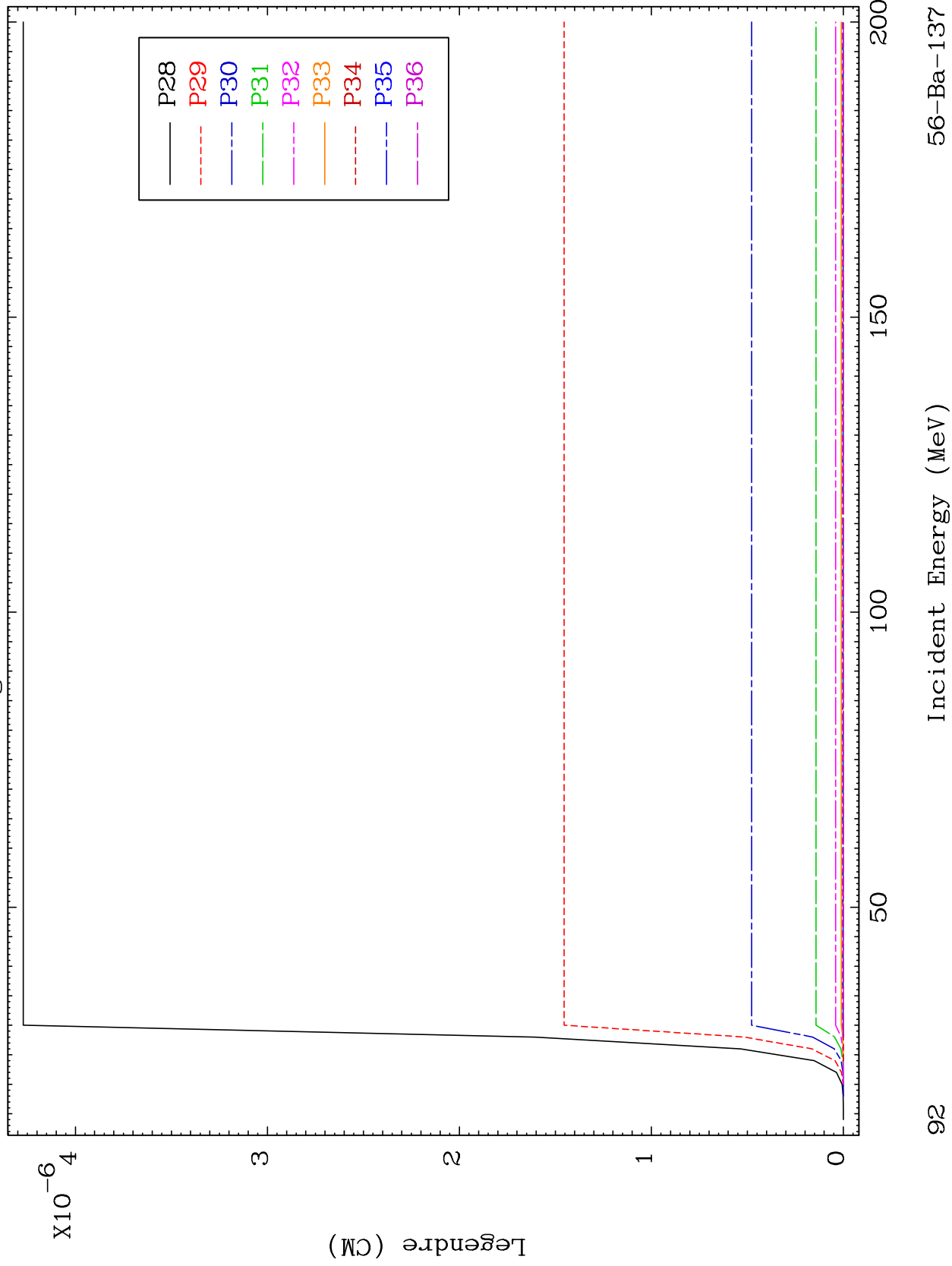
91

56-Ba-137

MAT 5646

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

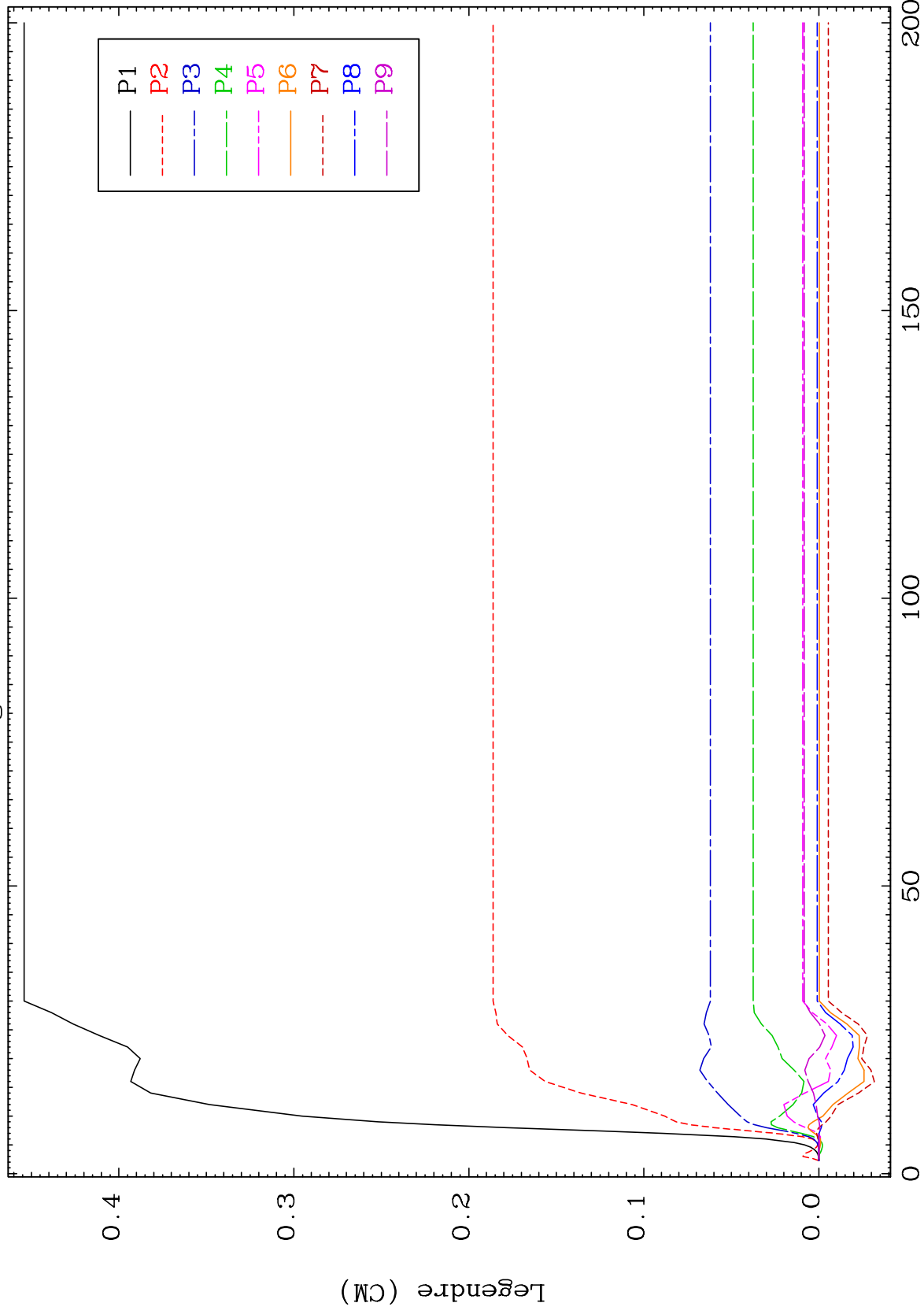
56-Ba-137



MAT 5646

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

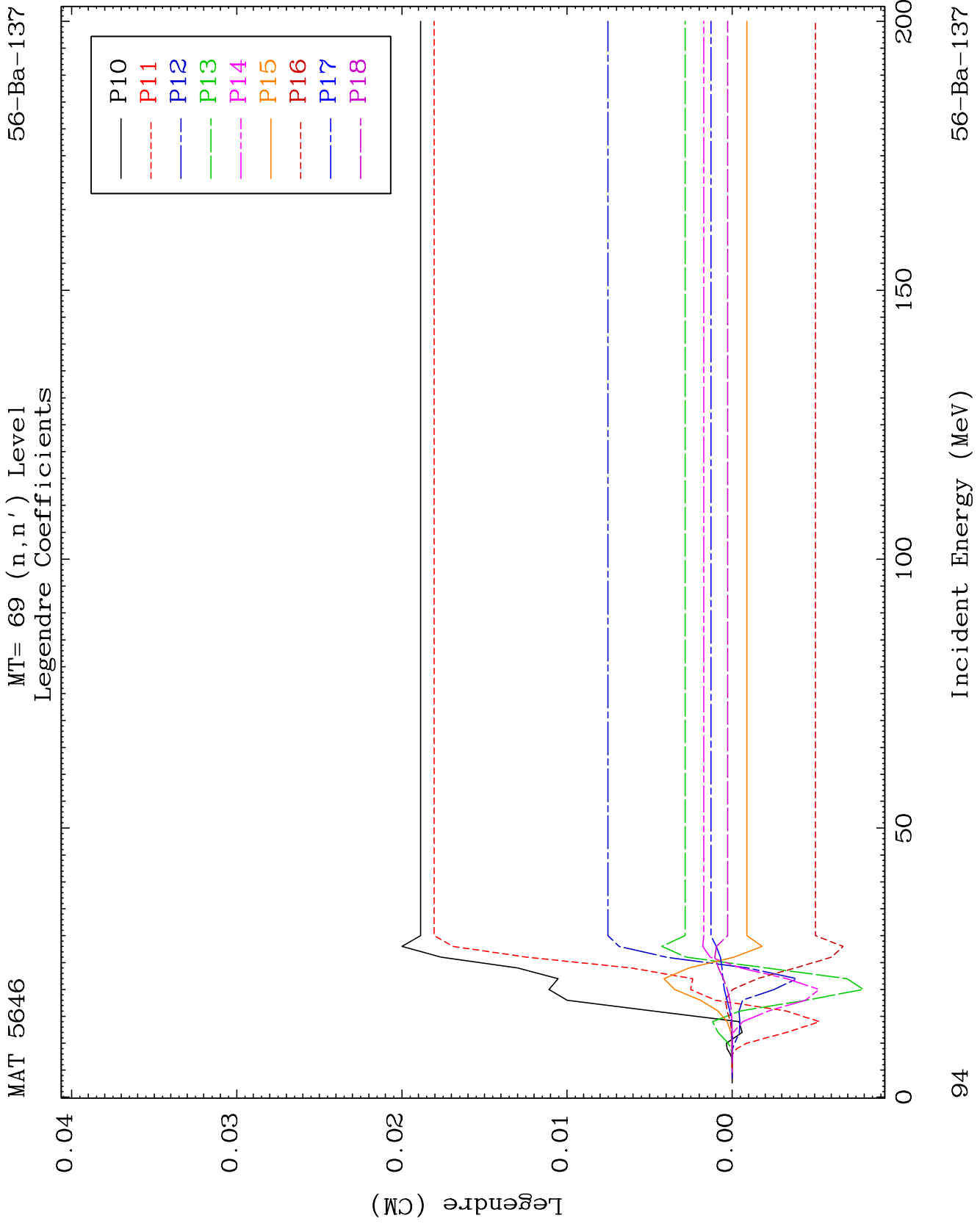
56-Ba-137



93

Incident Energy (MeV)

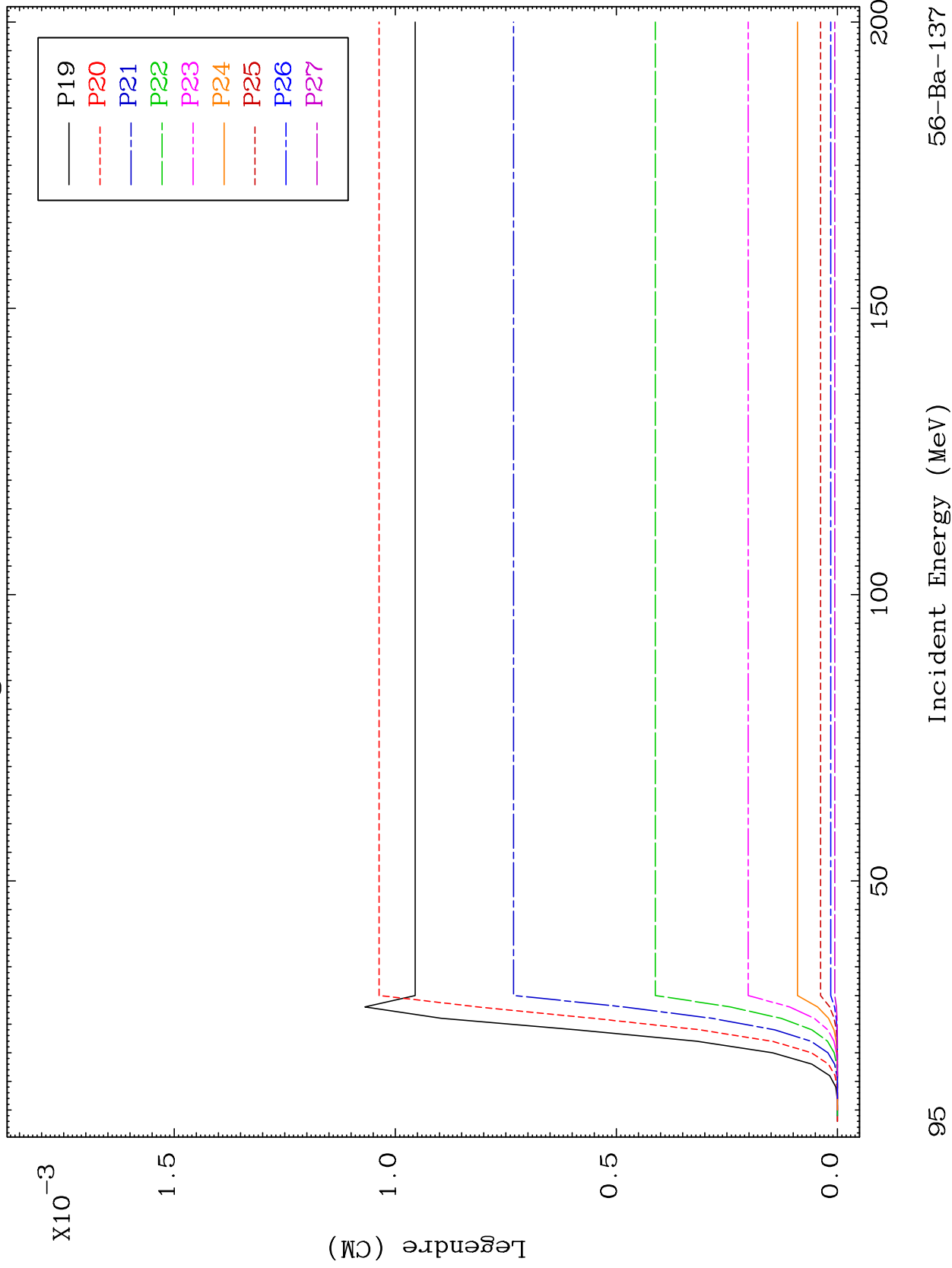
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

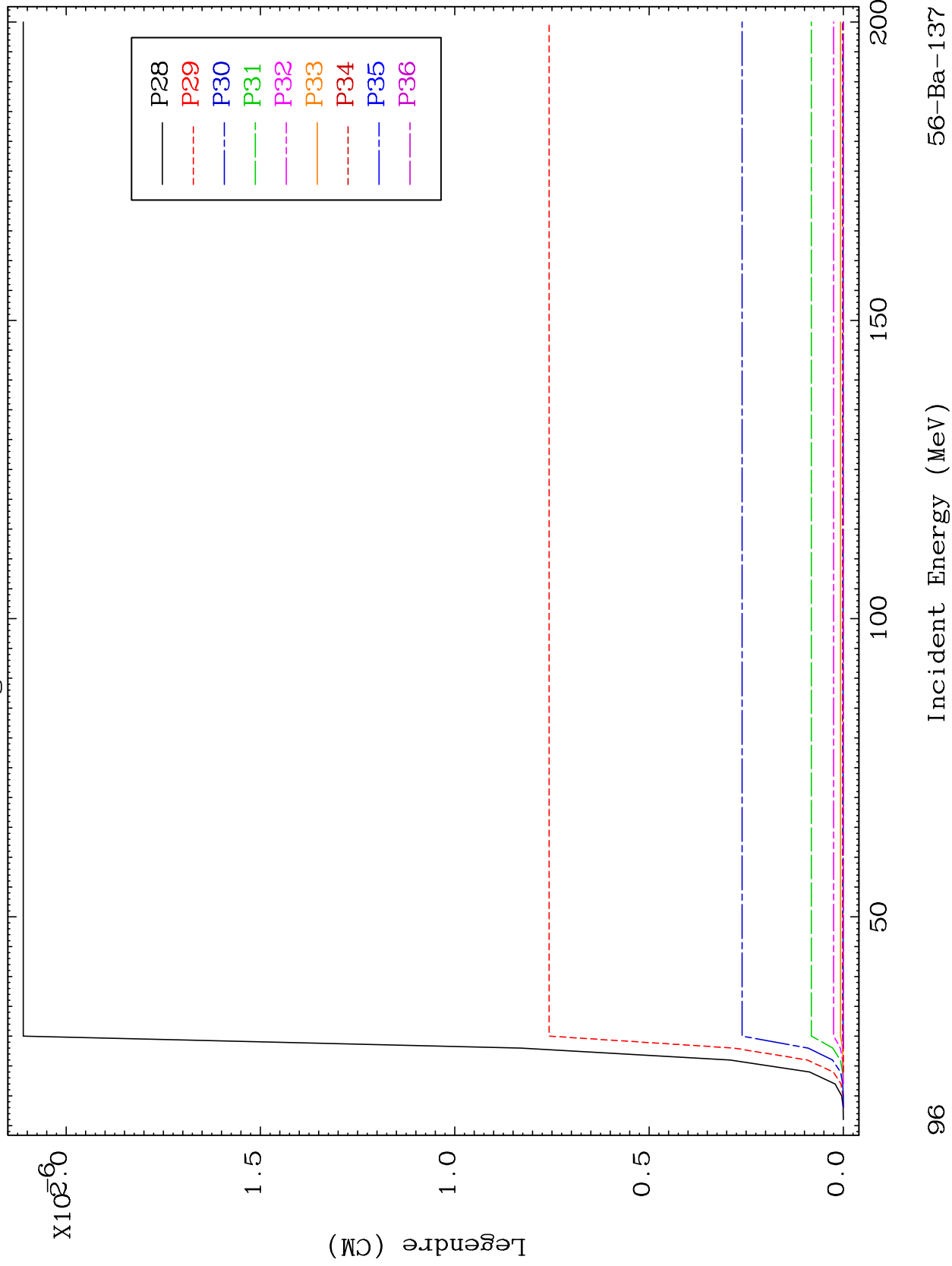
Incident Energy (MeV)

95

MAT 5646

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

56-Ba-137



96

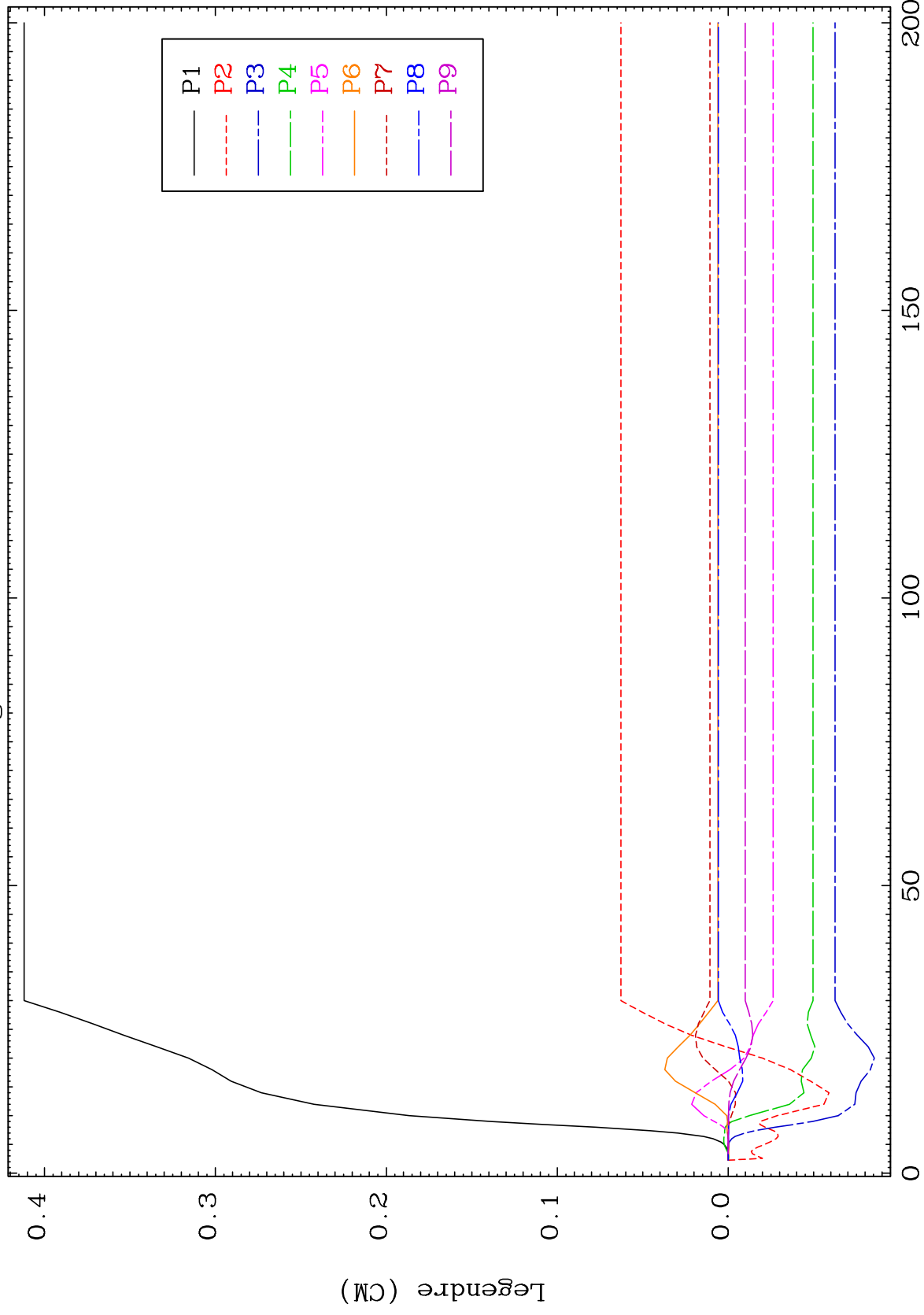
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



97

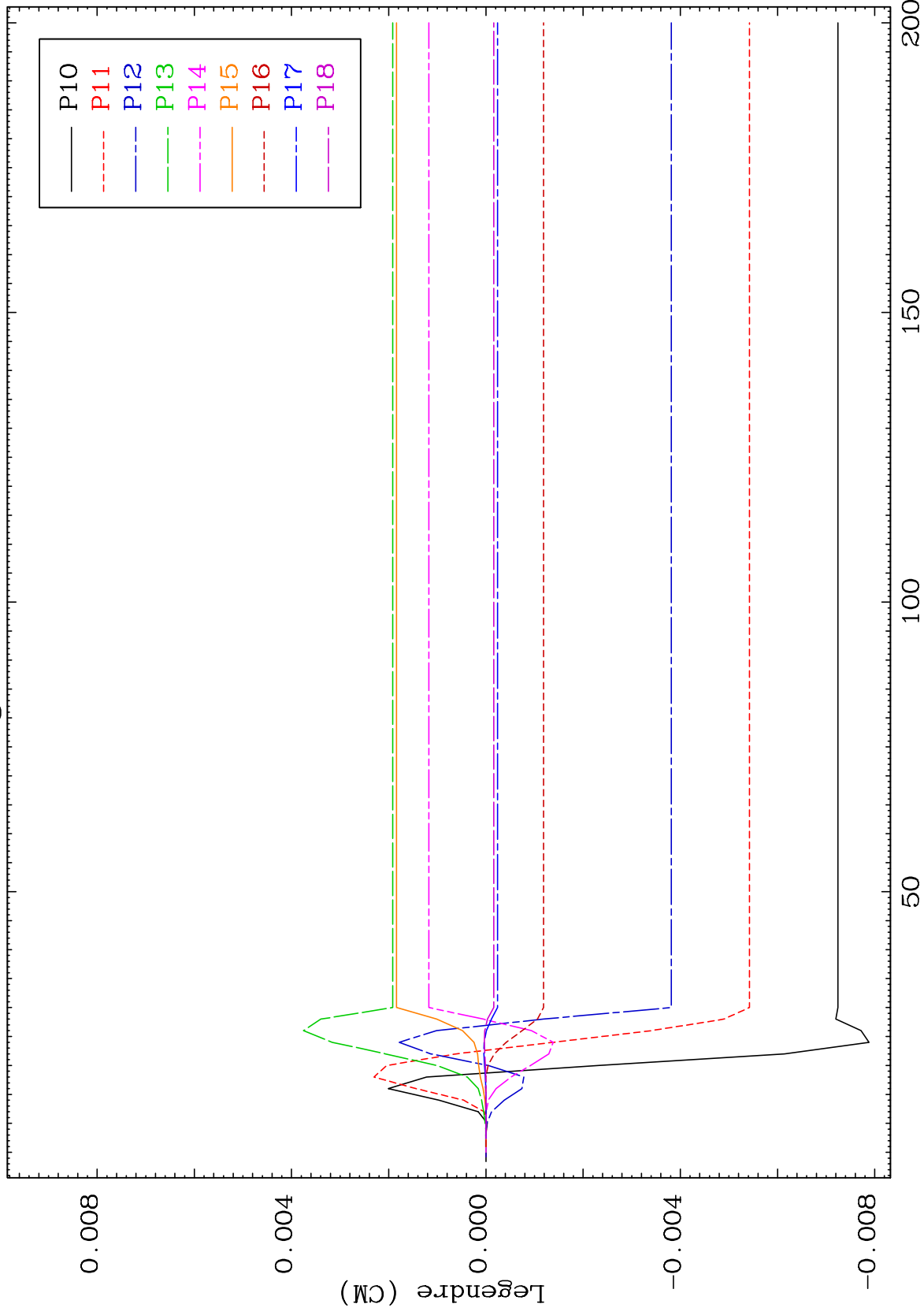
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



98

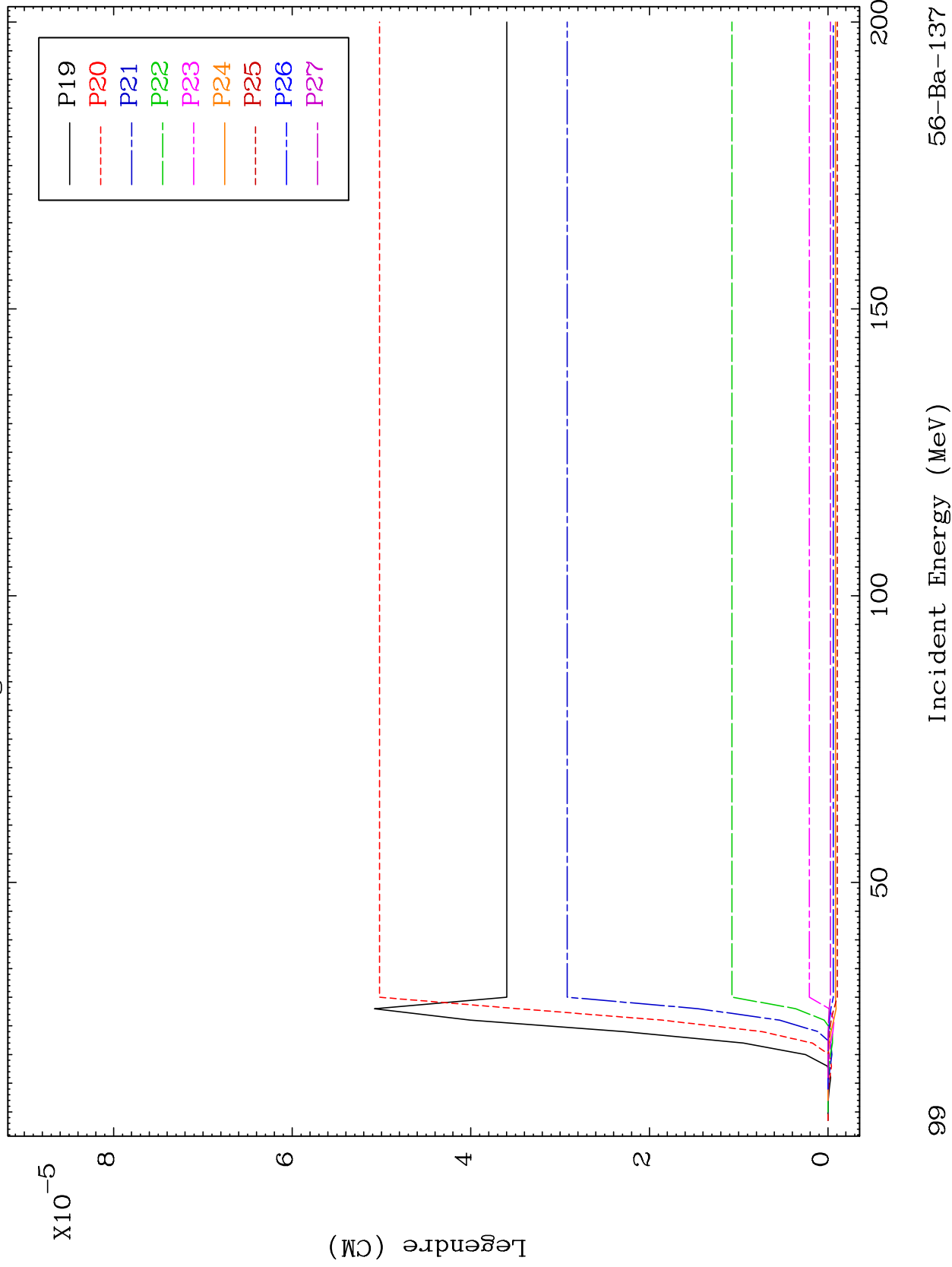
Incident Energy (MeV)

56-Ba-137

MAT 5646

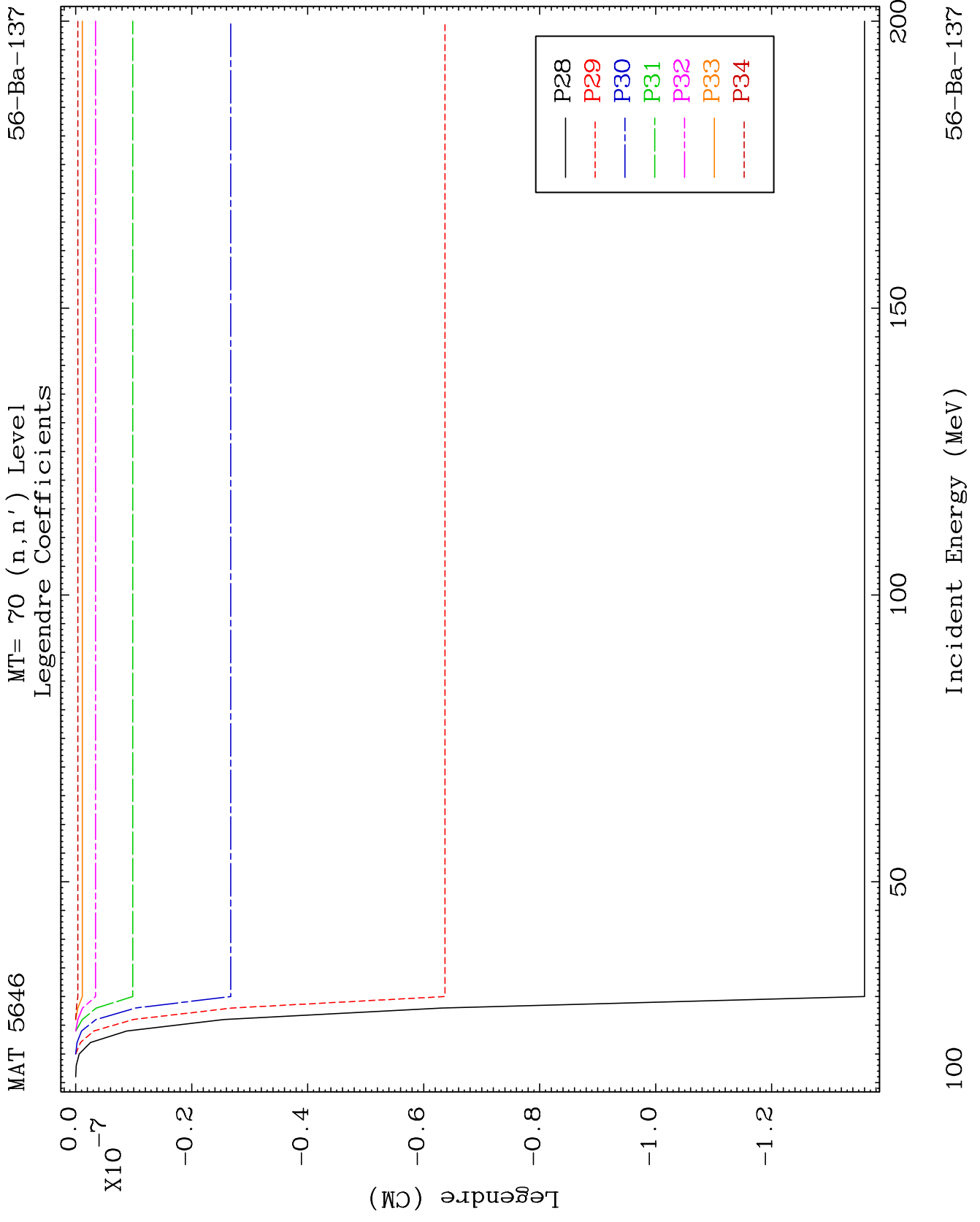
MT= 70 (n,n') Level  
Legendre Coefficients

56-Ba-137



99

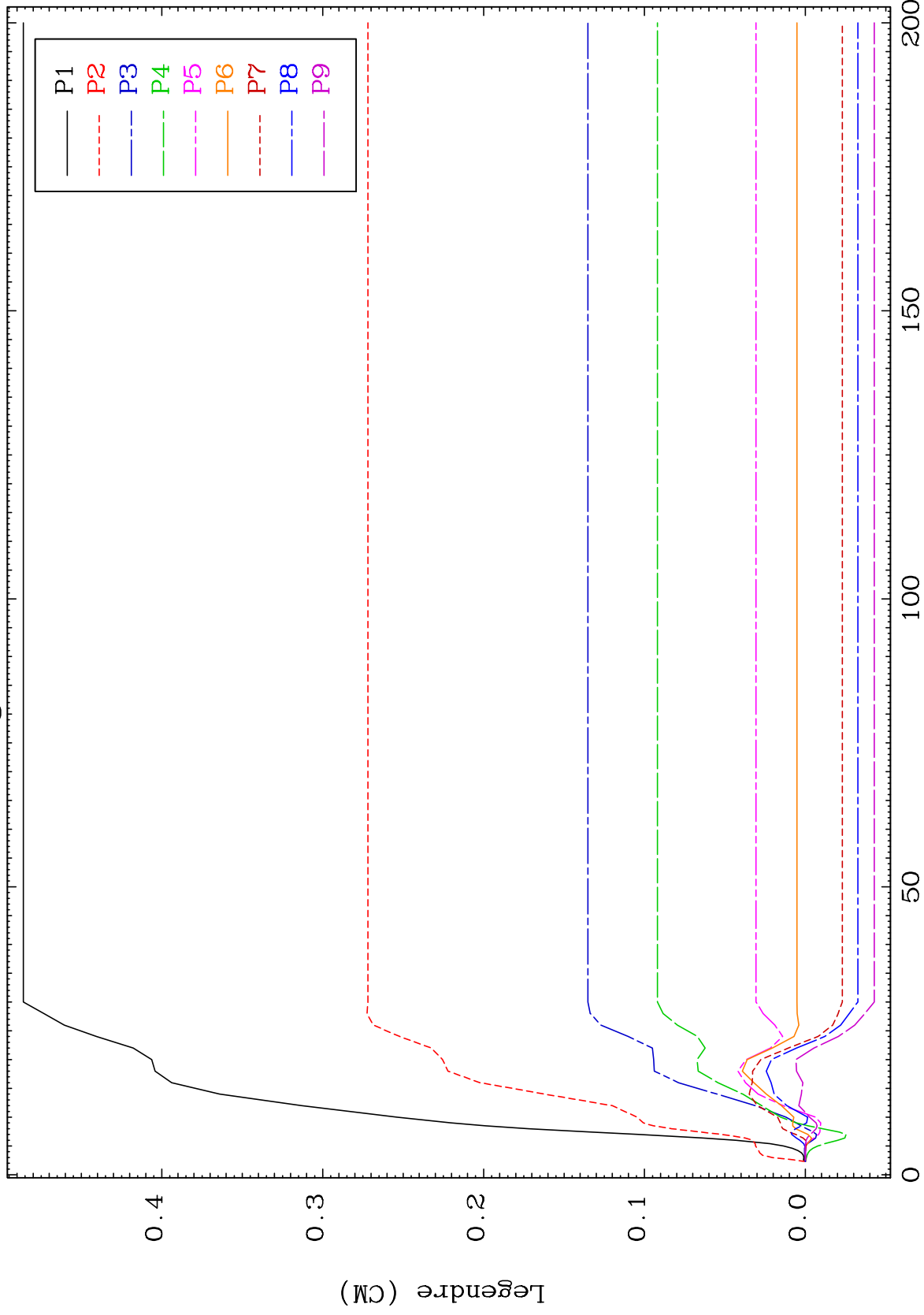
56-Ba-137



MAT 5646

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

56-Ba-137



101

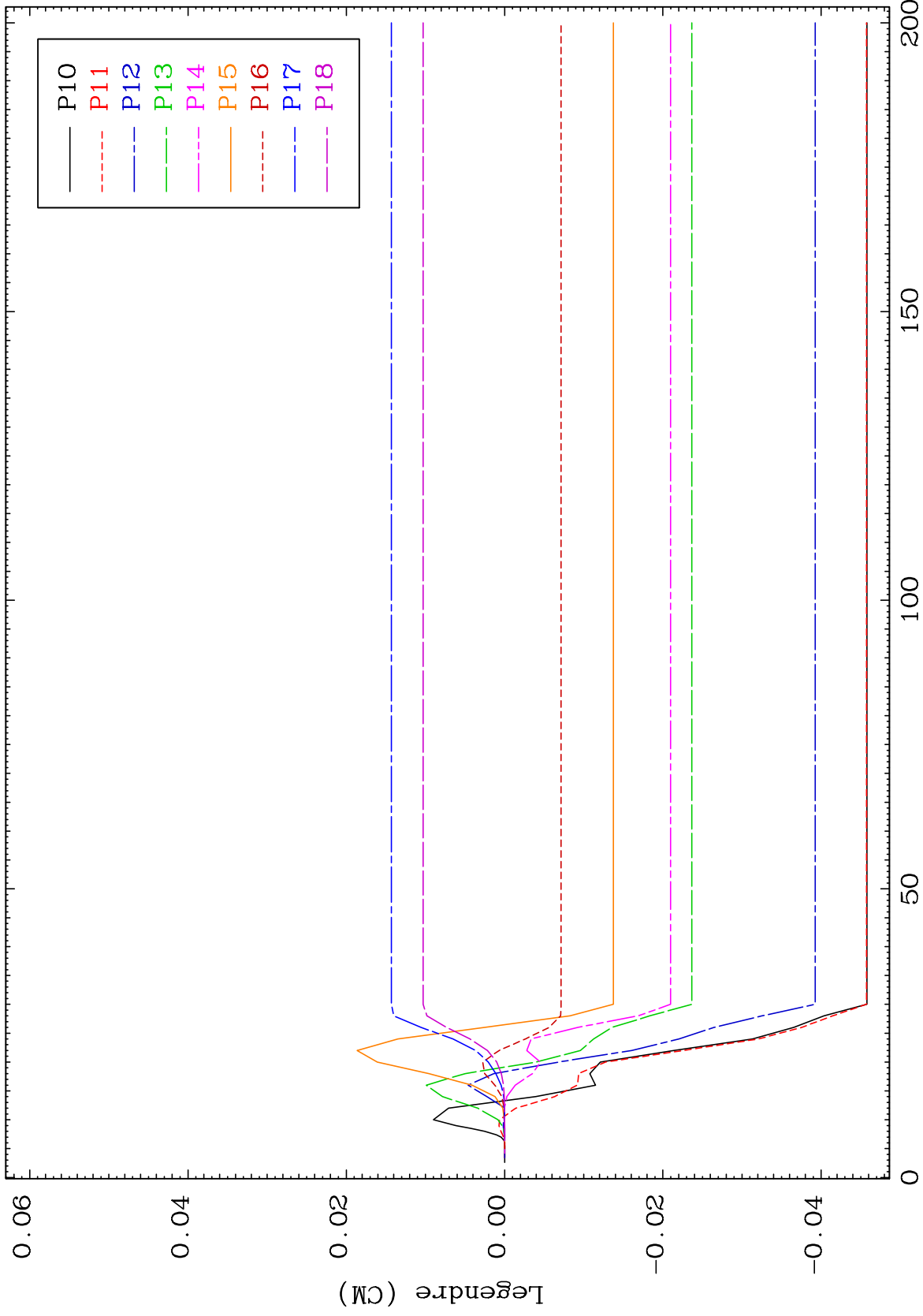
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



102

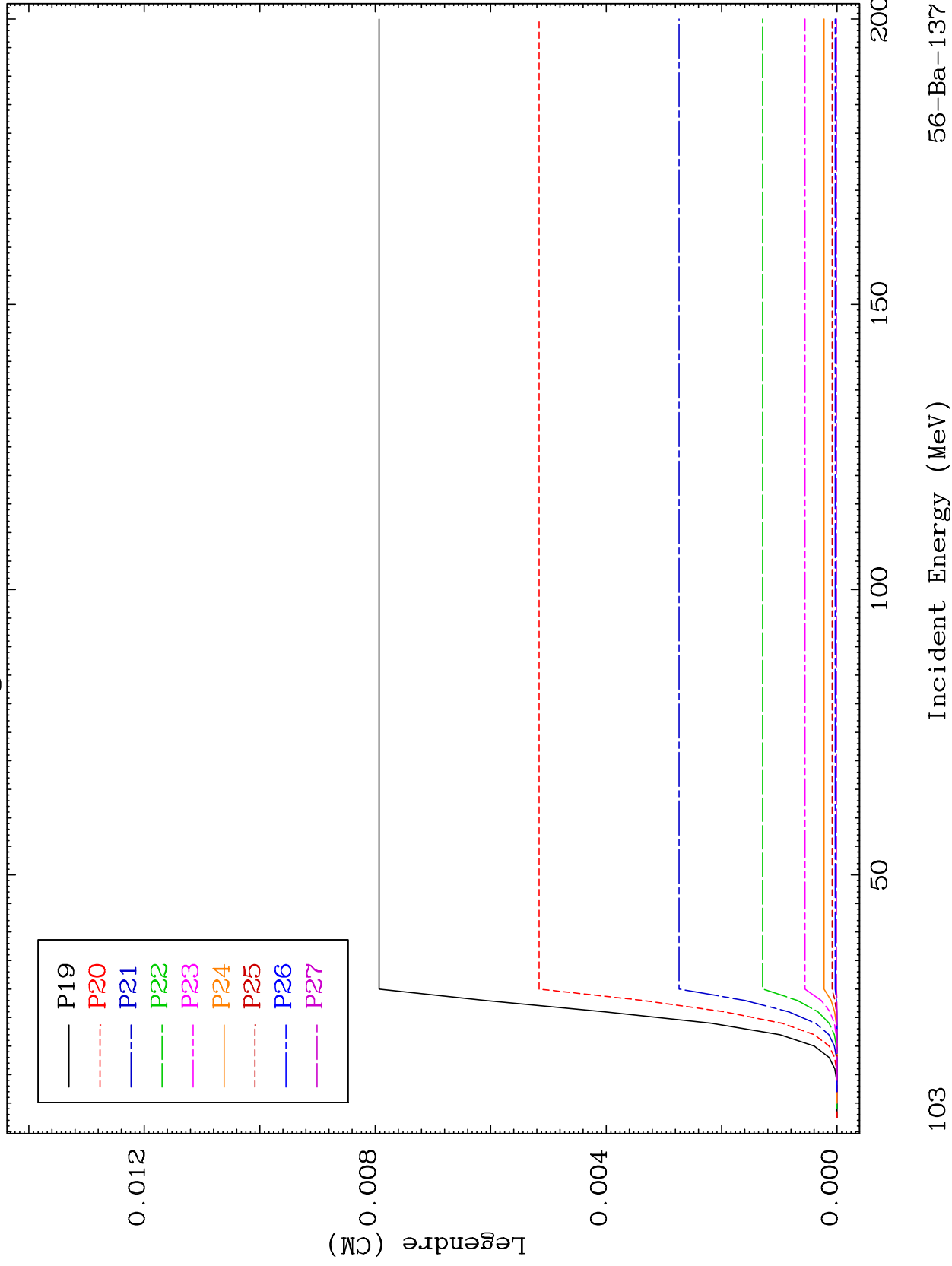
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



103

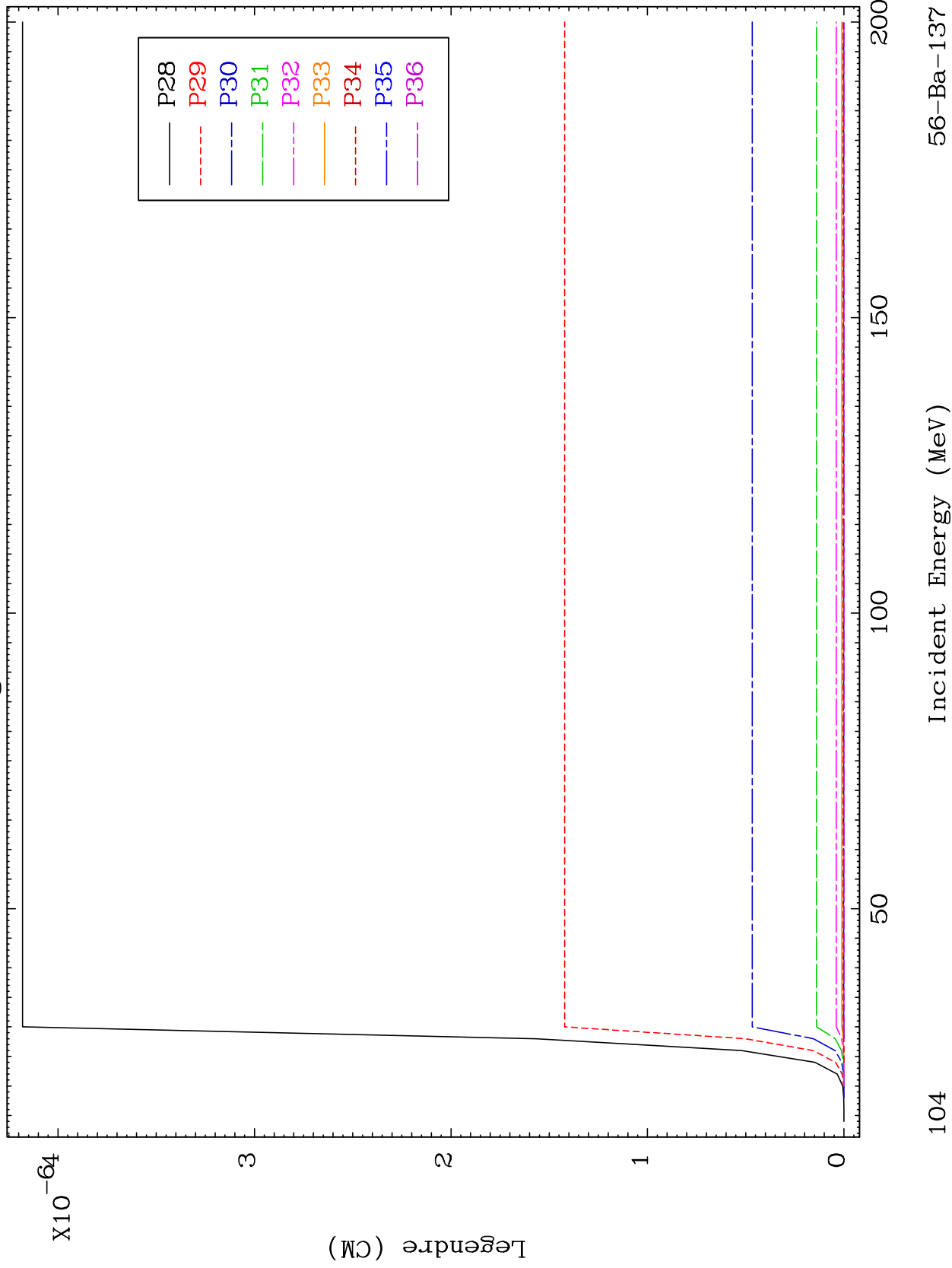
Incident Energy (MeV)

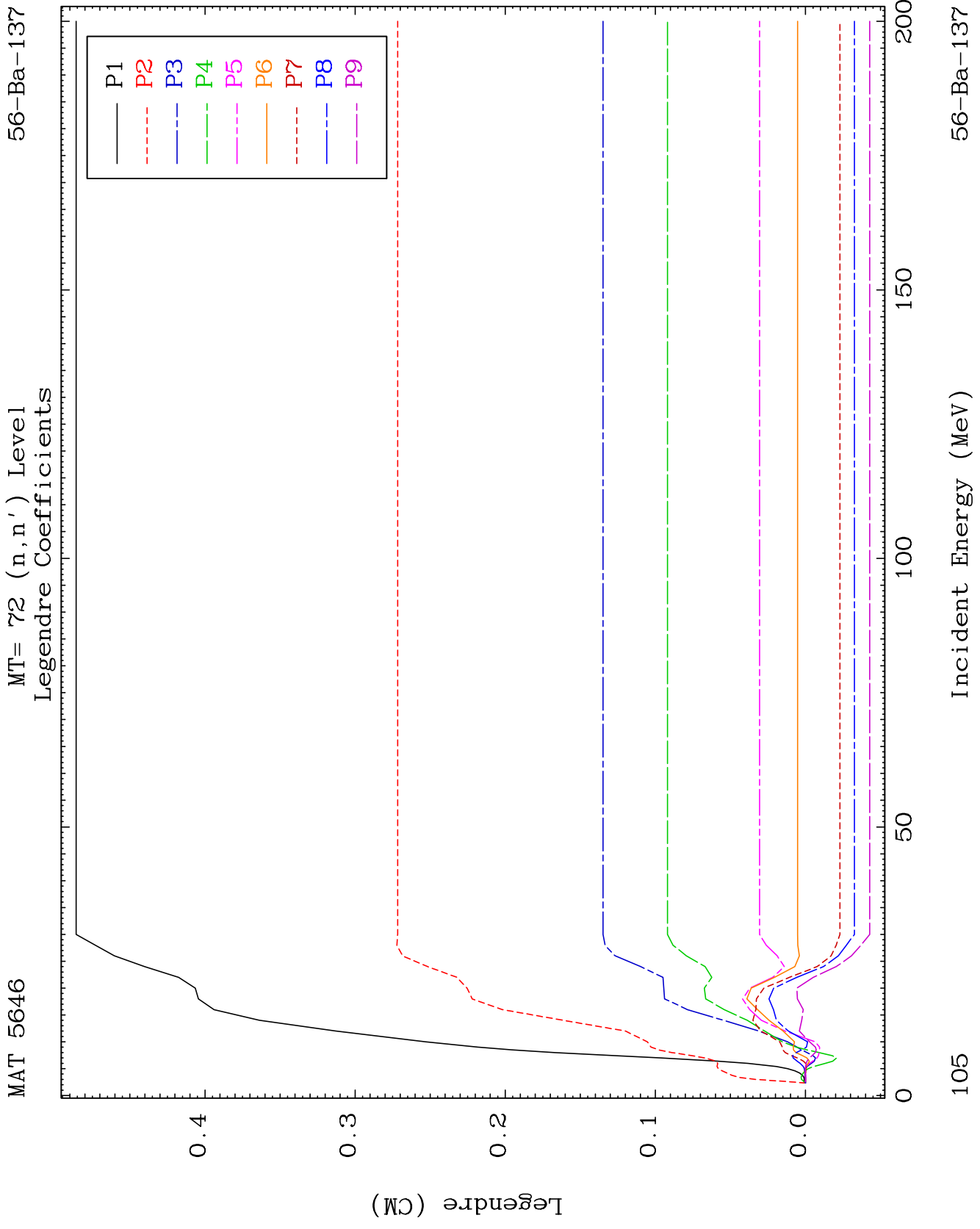
56-Ba-137

MAT 5646

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

56-Ba-137

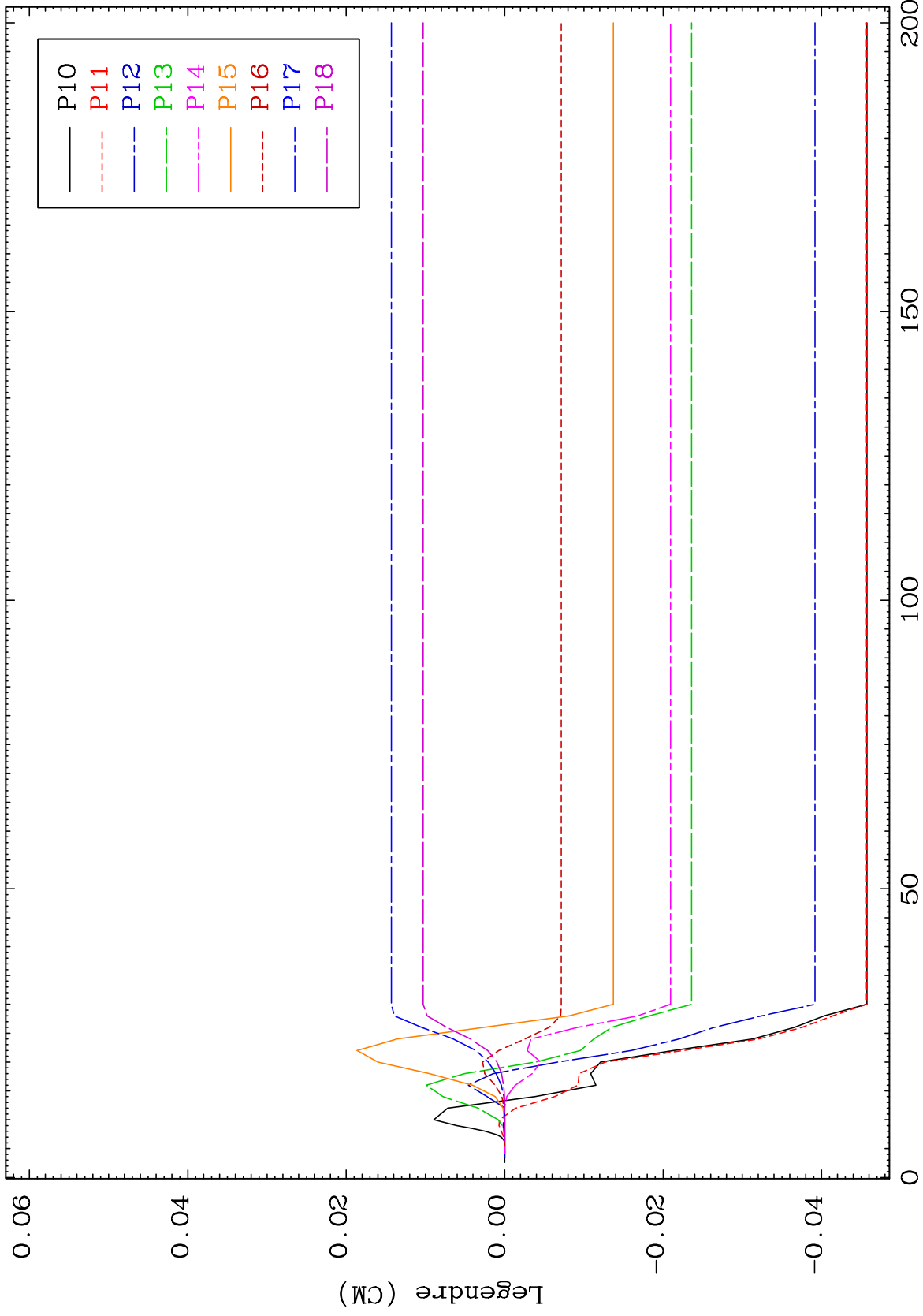




MAT 5646

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

56-Ba-137



106

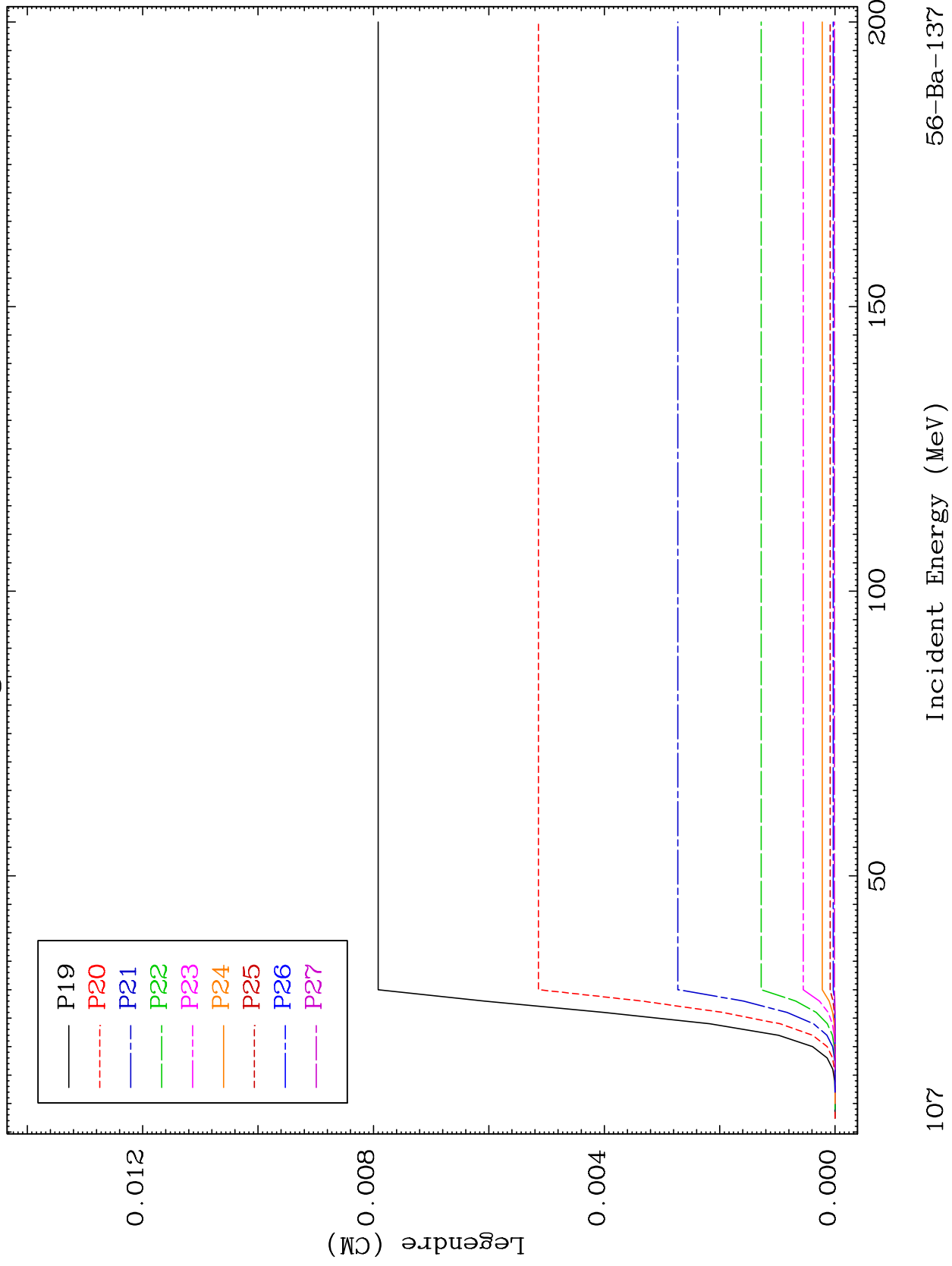
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



107

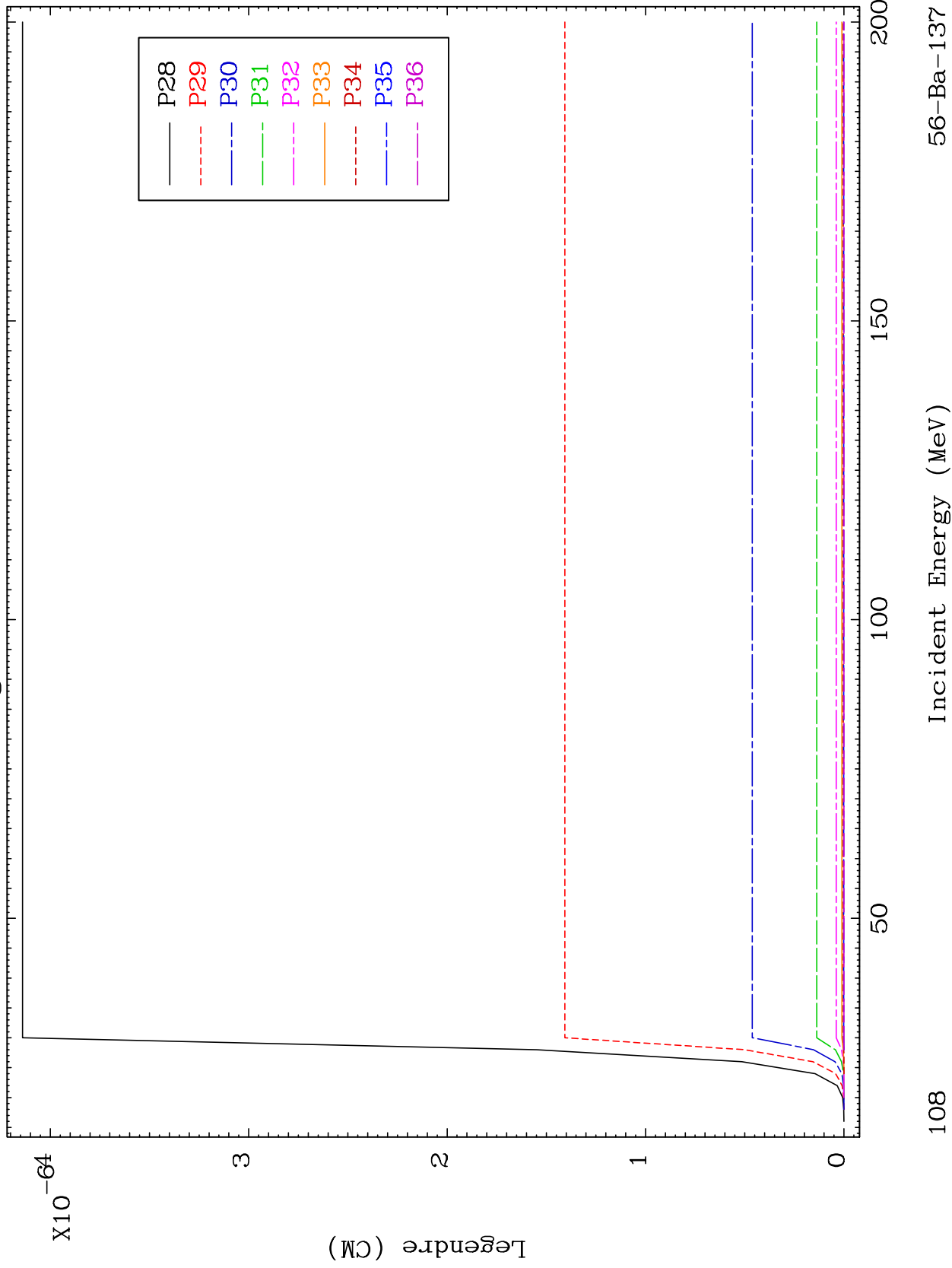
Incident Energy (MeV)

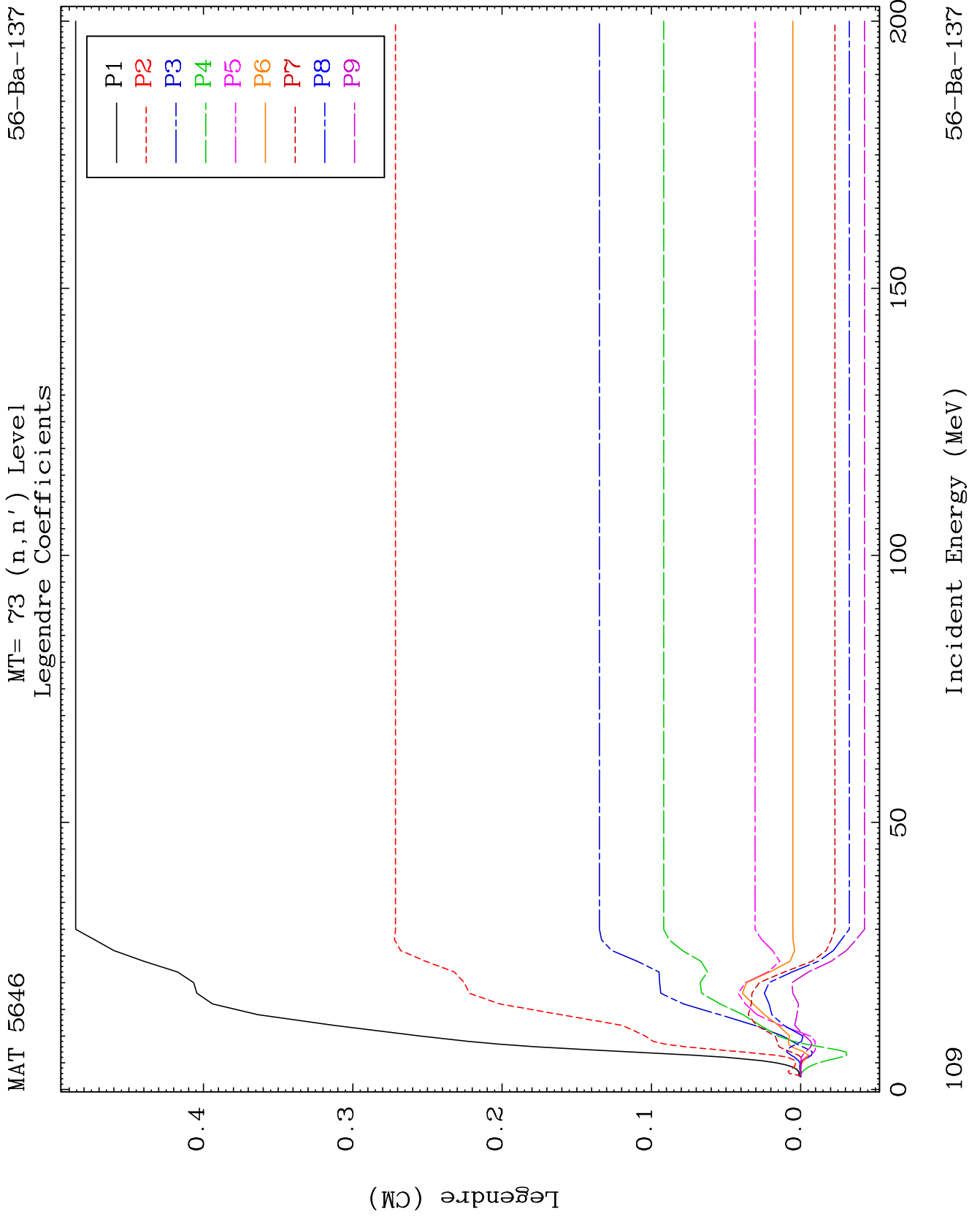
56-Ba-137

MAT 5646

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

56-Ba-137

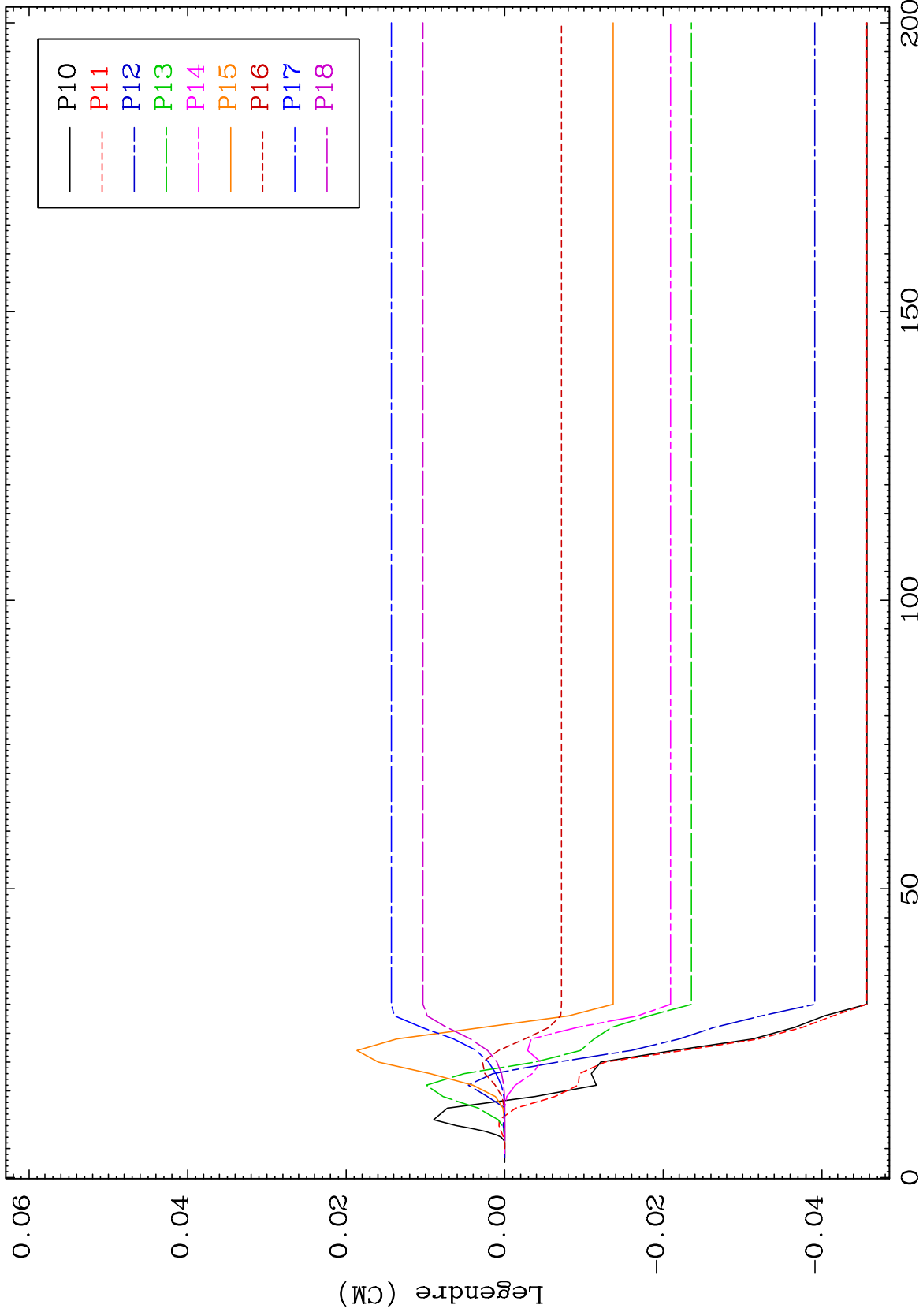




MAT 5646

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

56-Ba-137



110

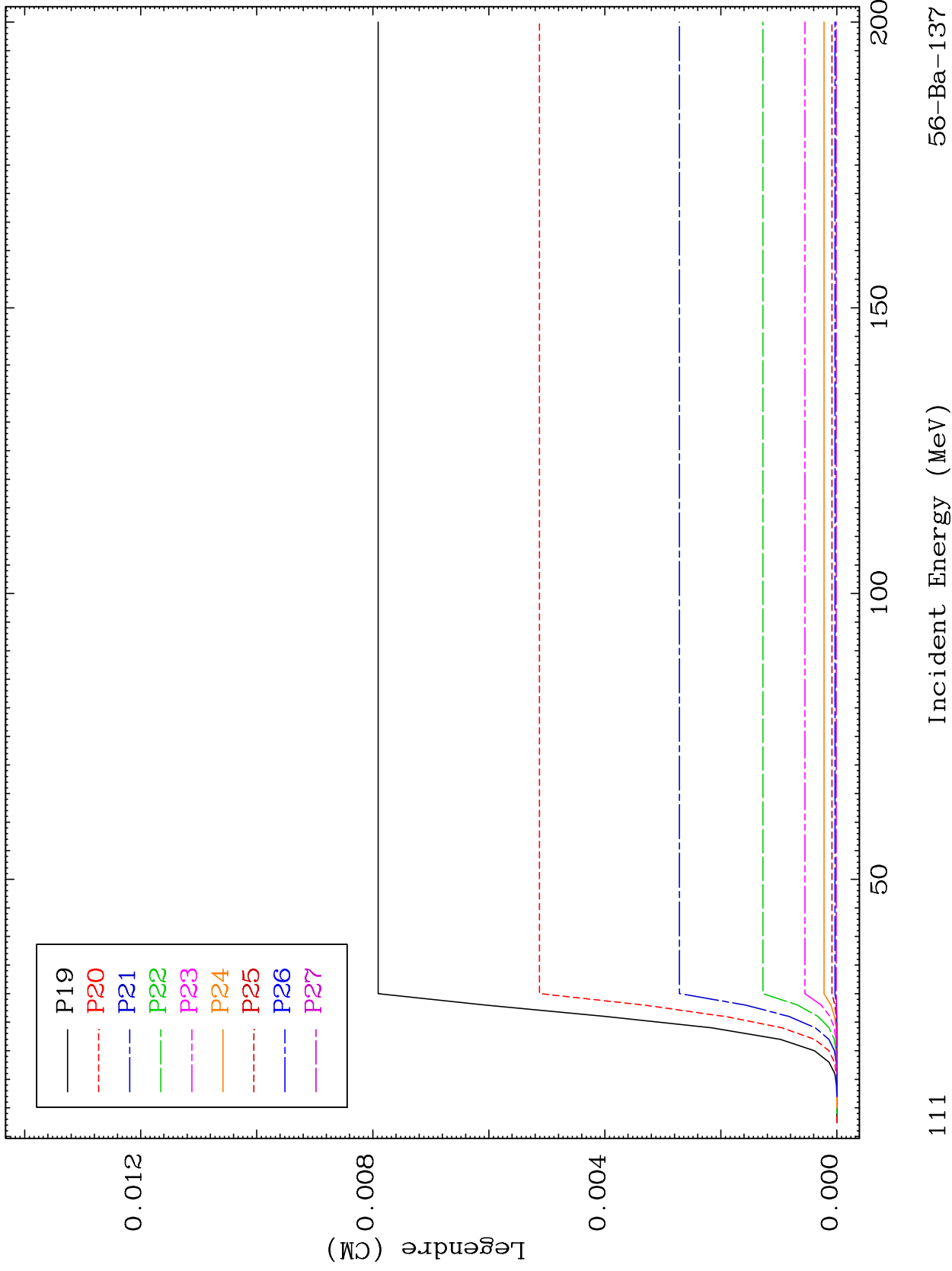
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



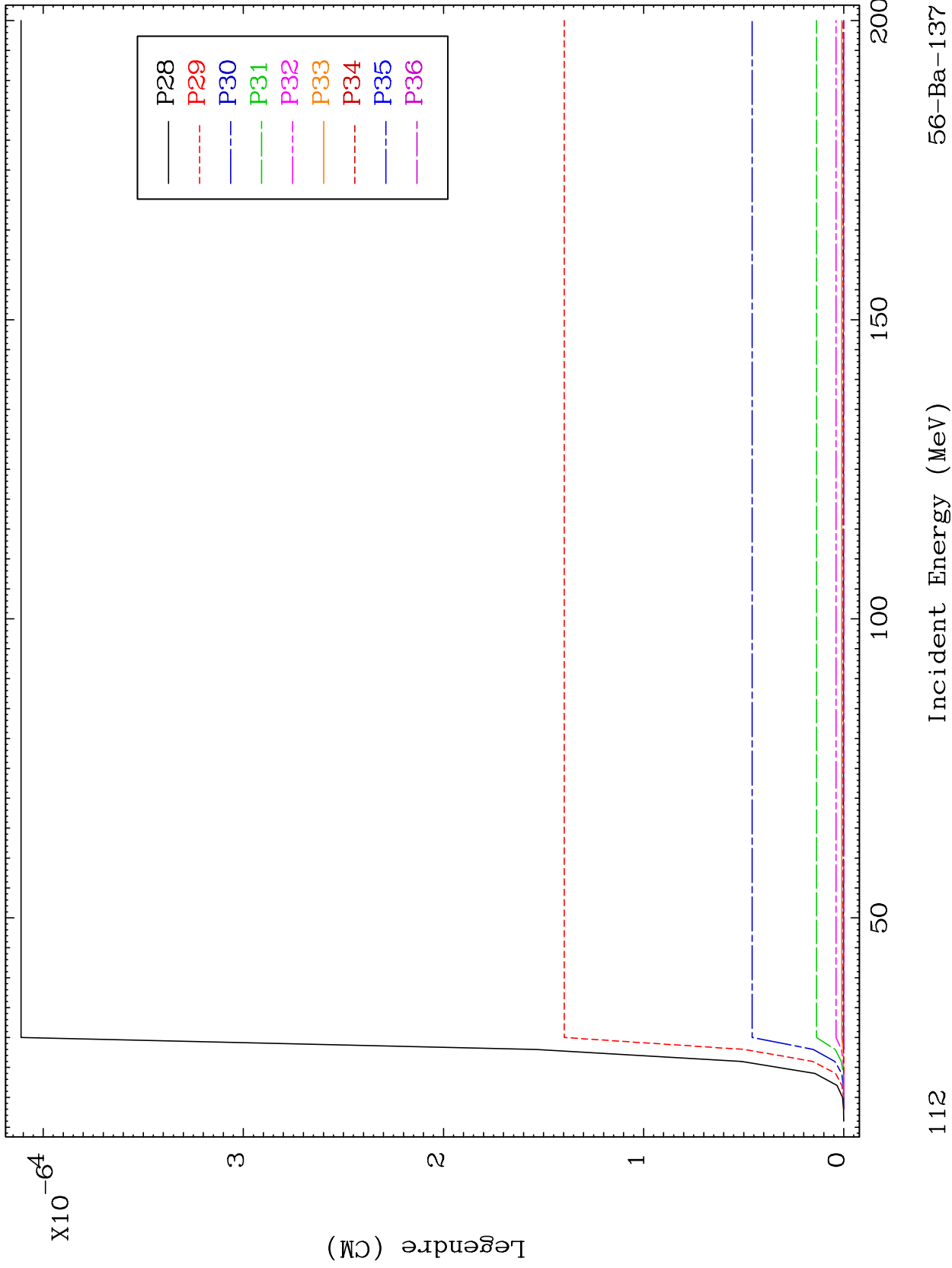
111

56-Ba-137

MAT 5646

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

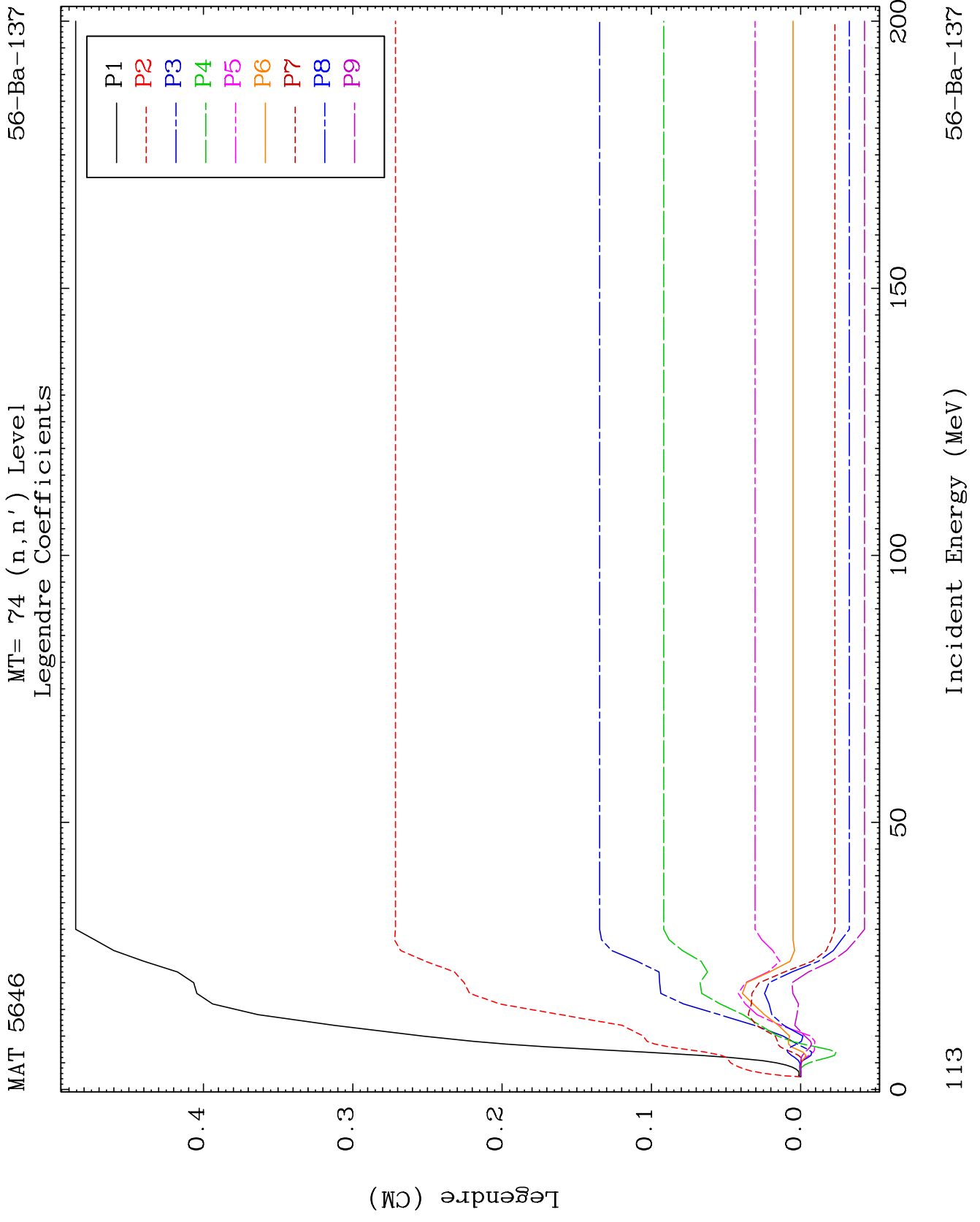
56-Ba-137



112

Incident Energy (MeV)

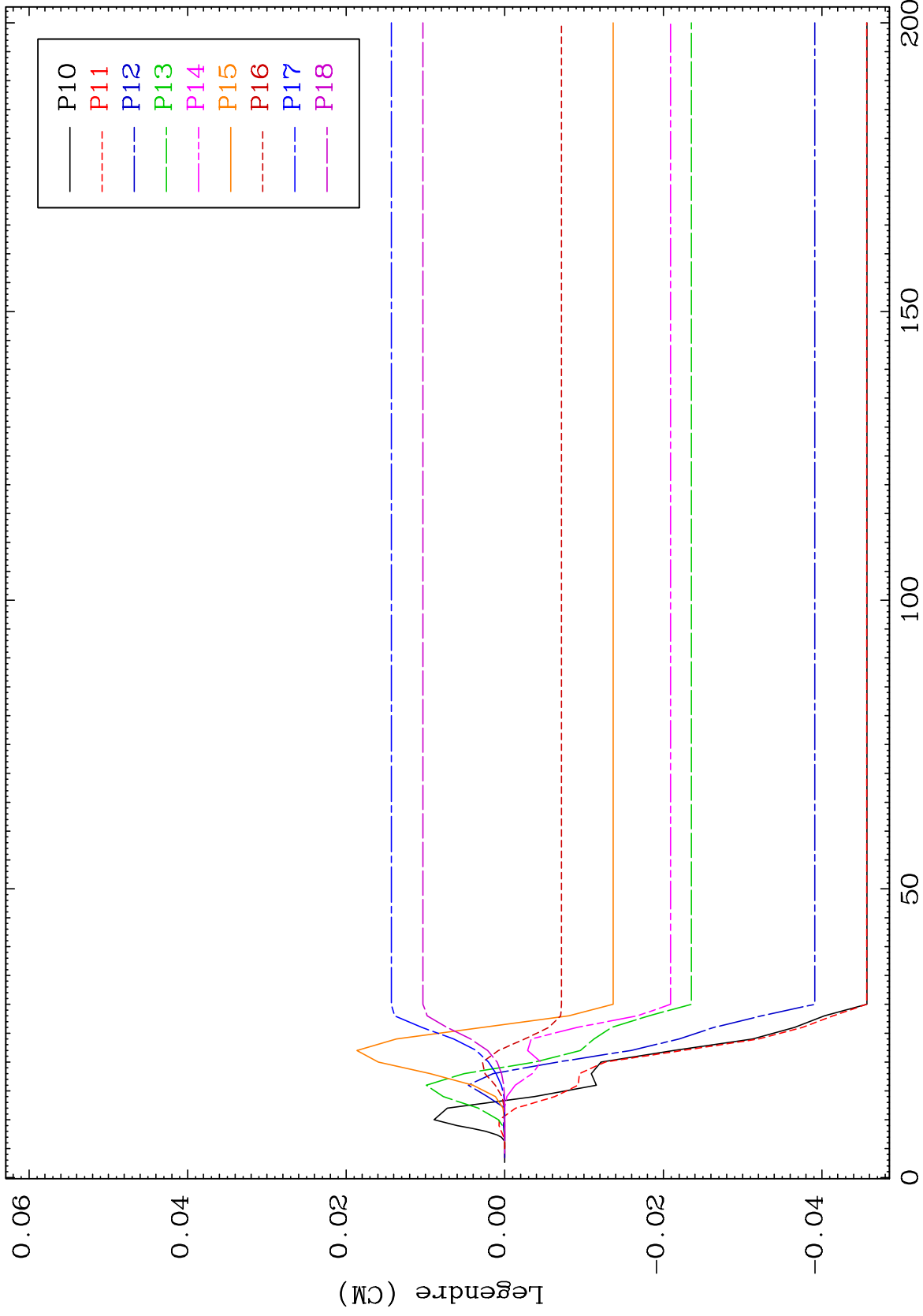
56-Ba-137



MAT 5646

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

56-Ba-137



114

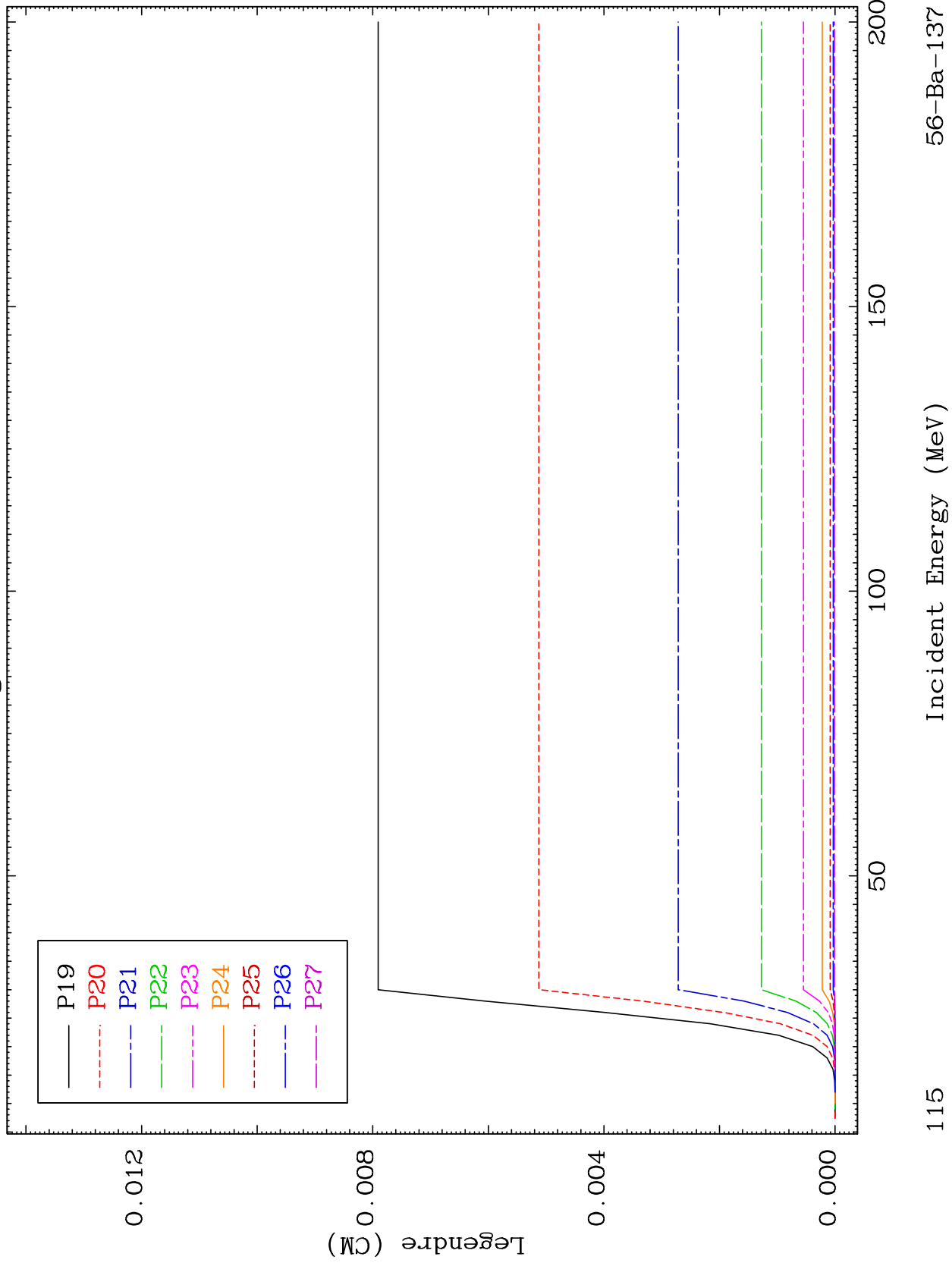
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



115

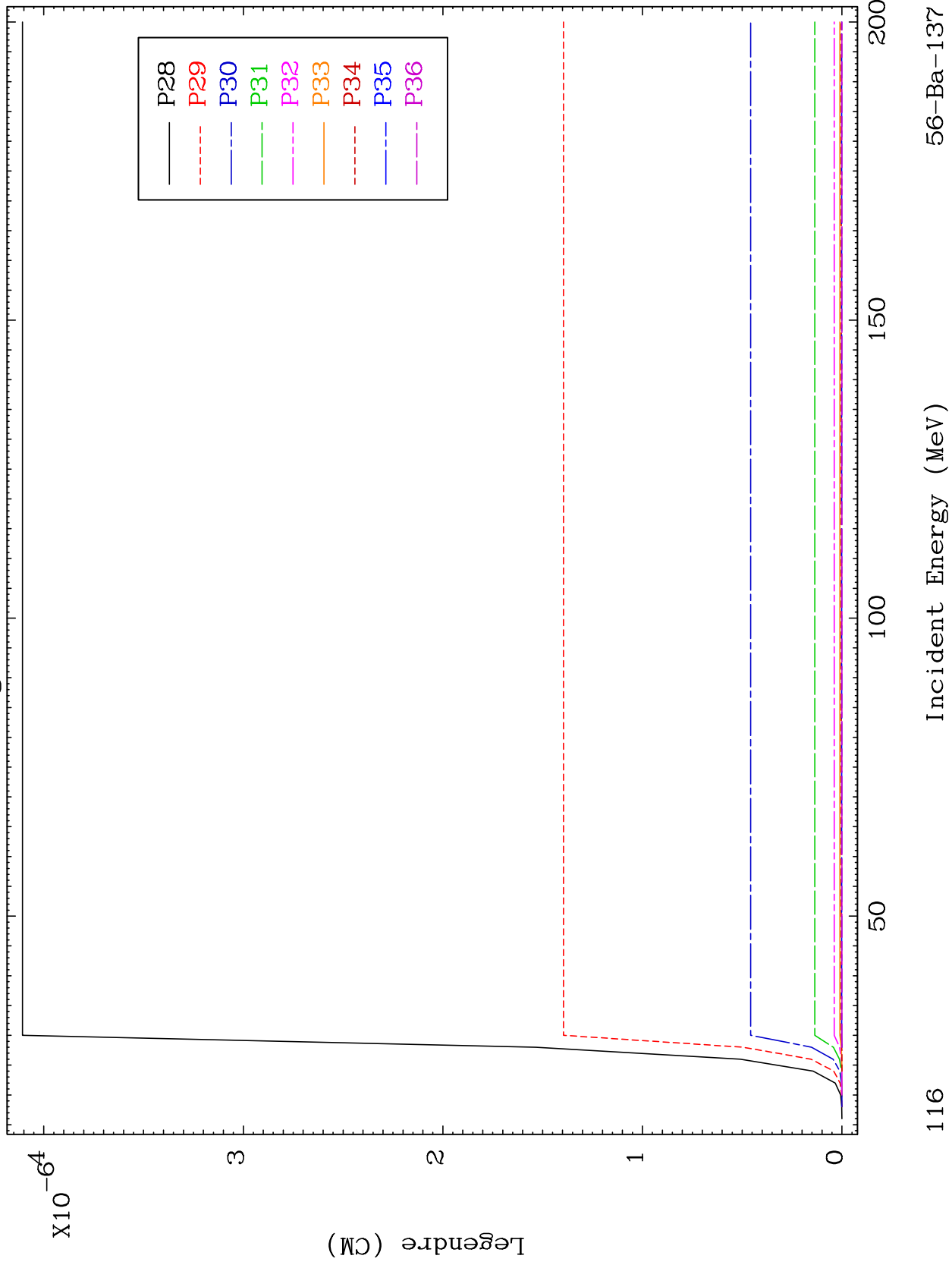
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

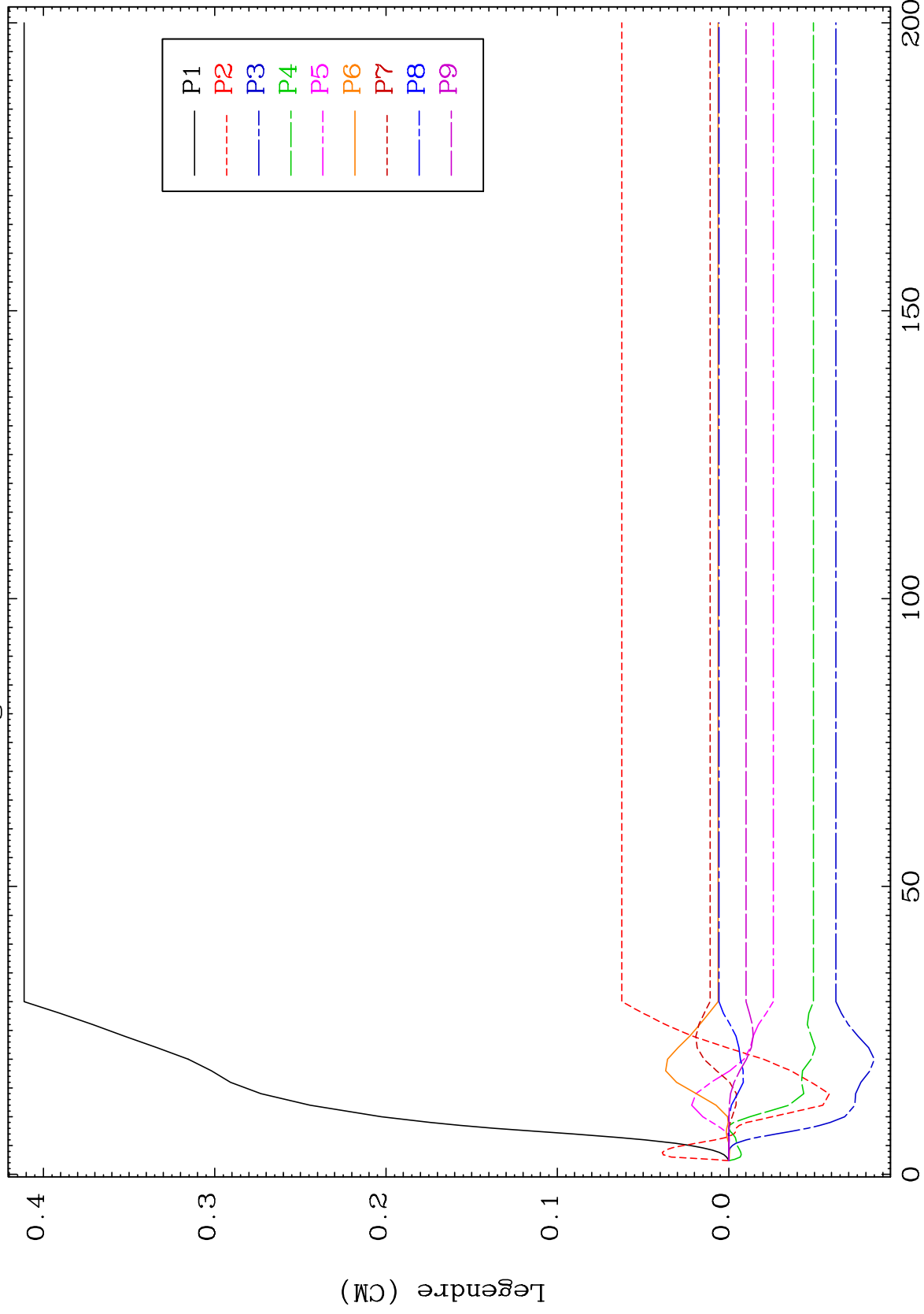
56-Ba-137



MAT 5646

MT= 75 (n,n') Level  
Legendre Coefficients

56-Ba-137



117

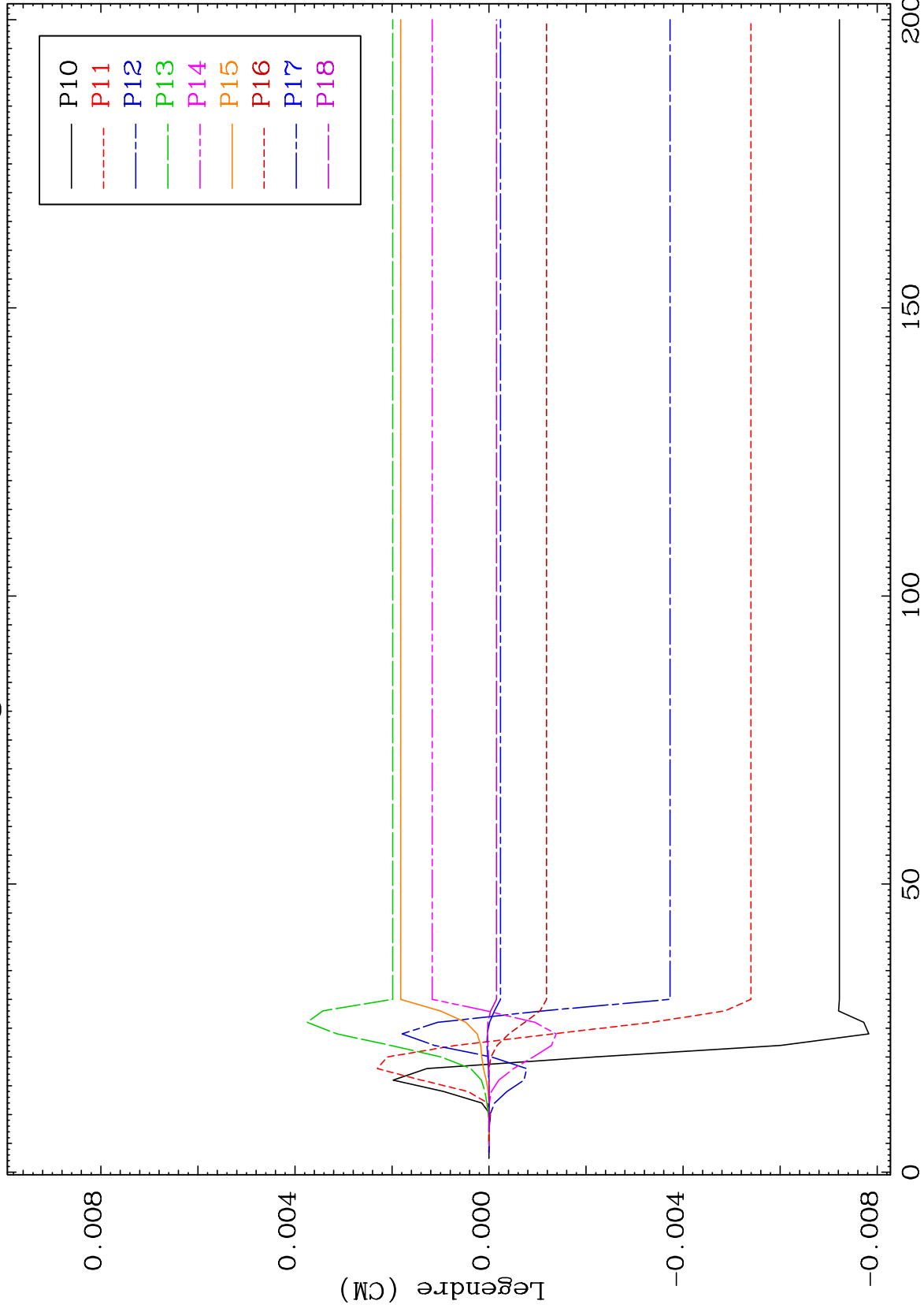
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 75 (n,n') Level  
Legendre Coefficients

56-Ba-137



118

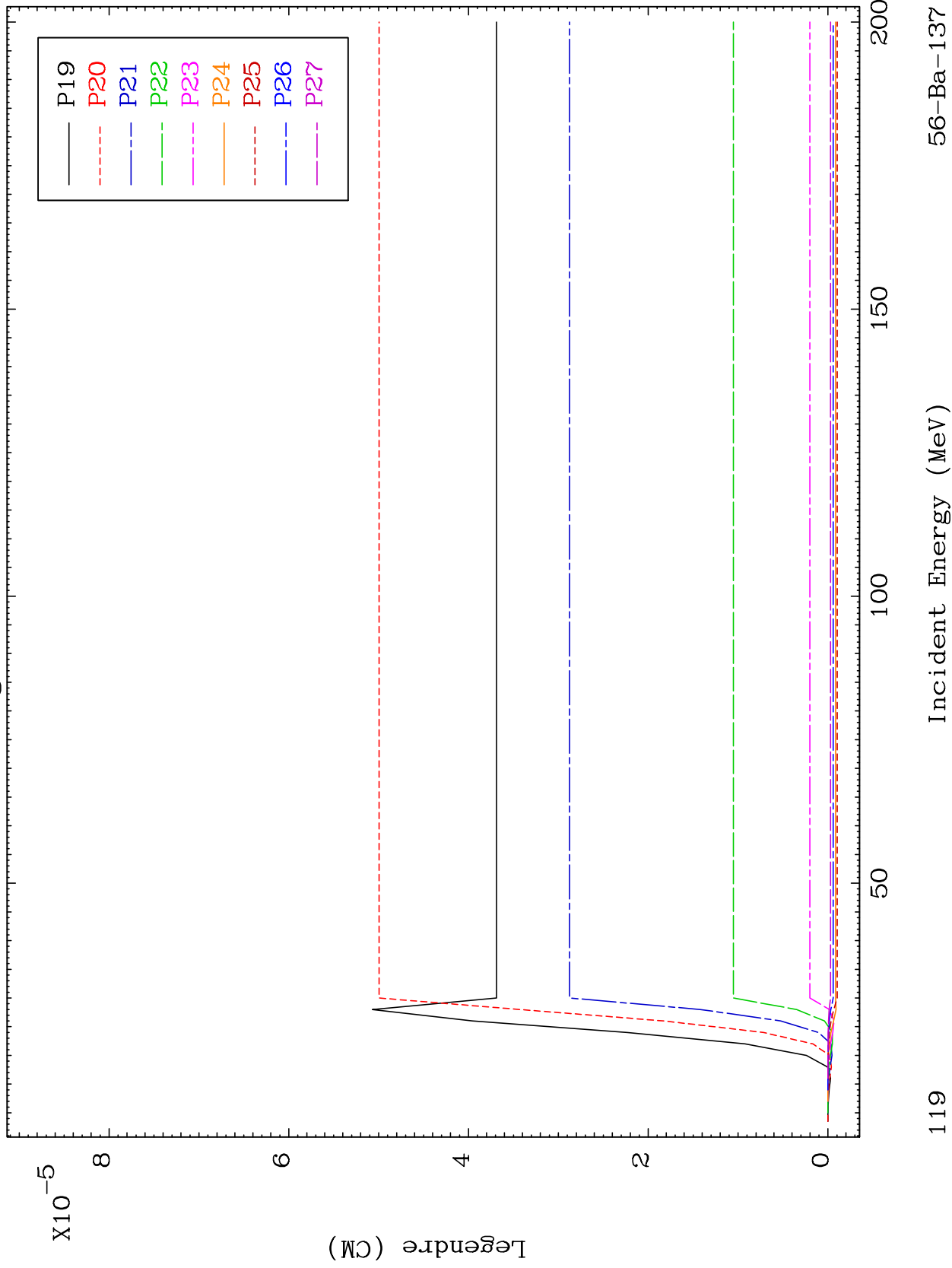
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 75 (n,n') Level  
Legendre Coefficients

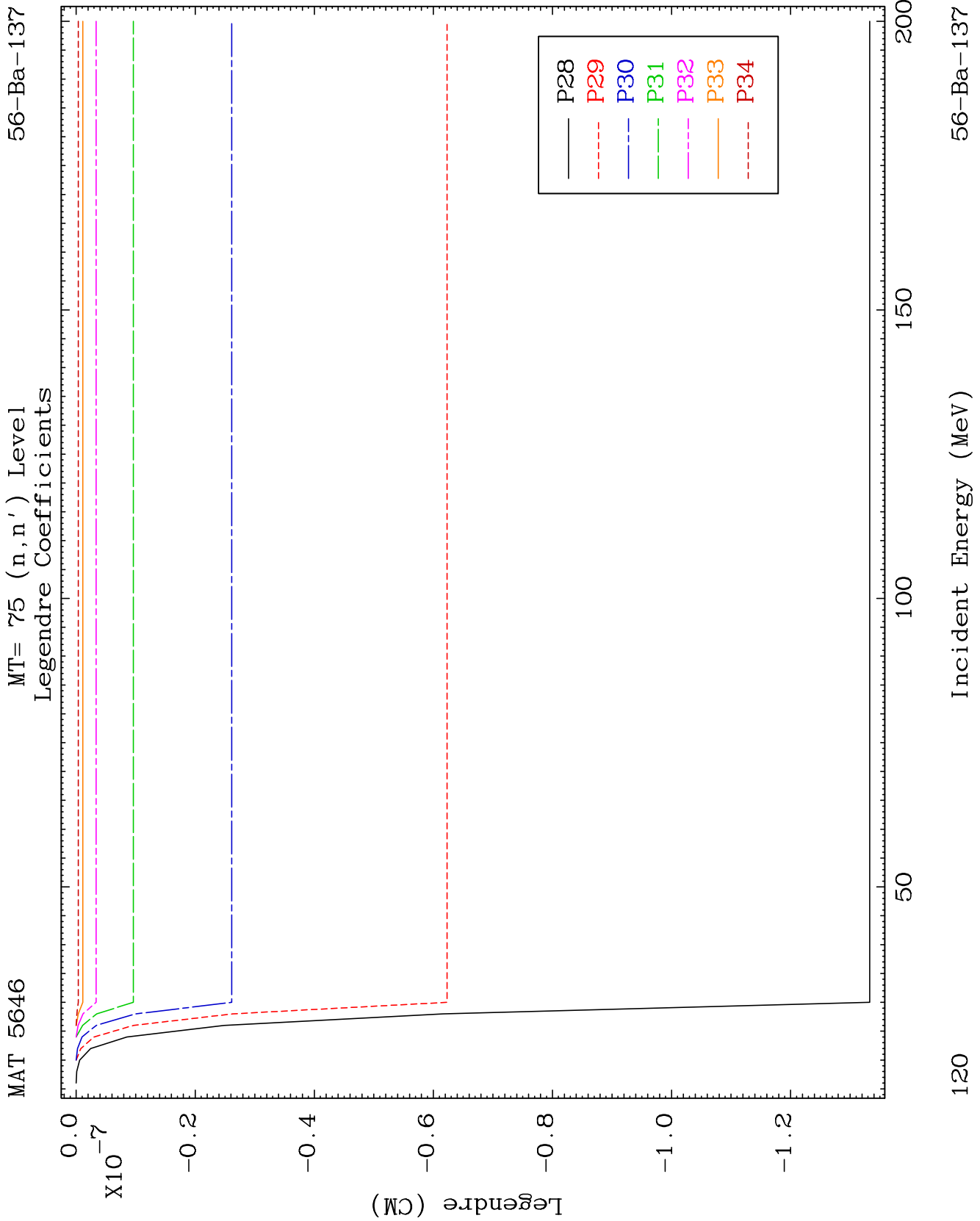
56-Ba-137



119

Incident Energy (MeV)

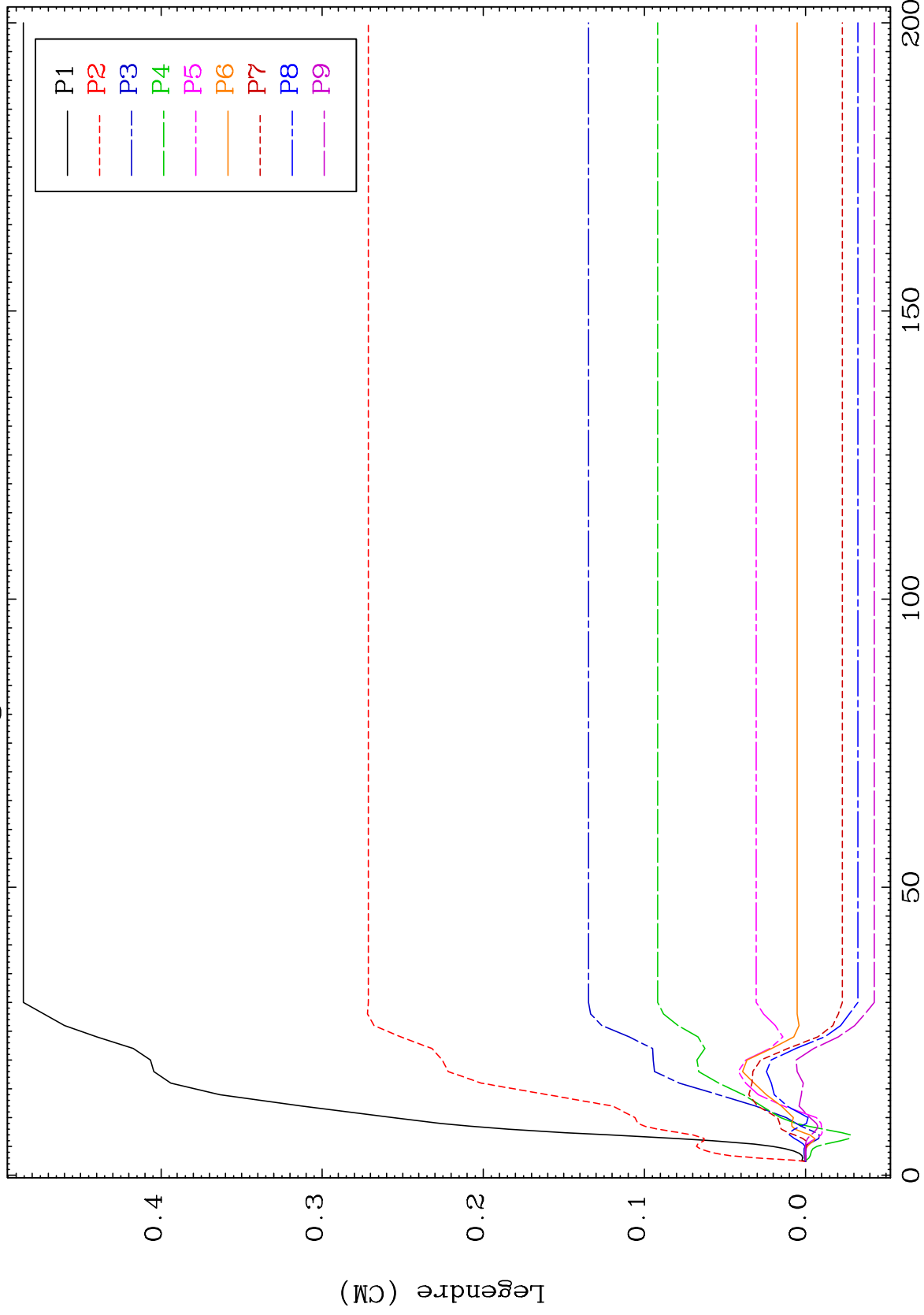
56-Ba-137



MAT 5646

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

56-Ba-137



121

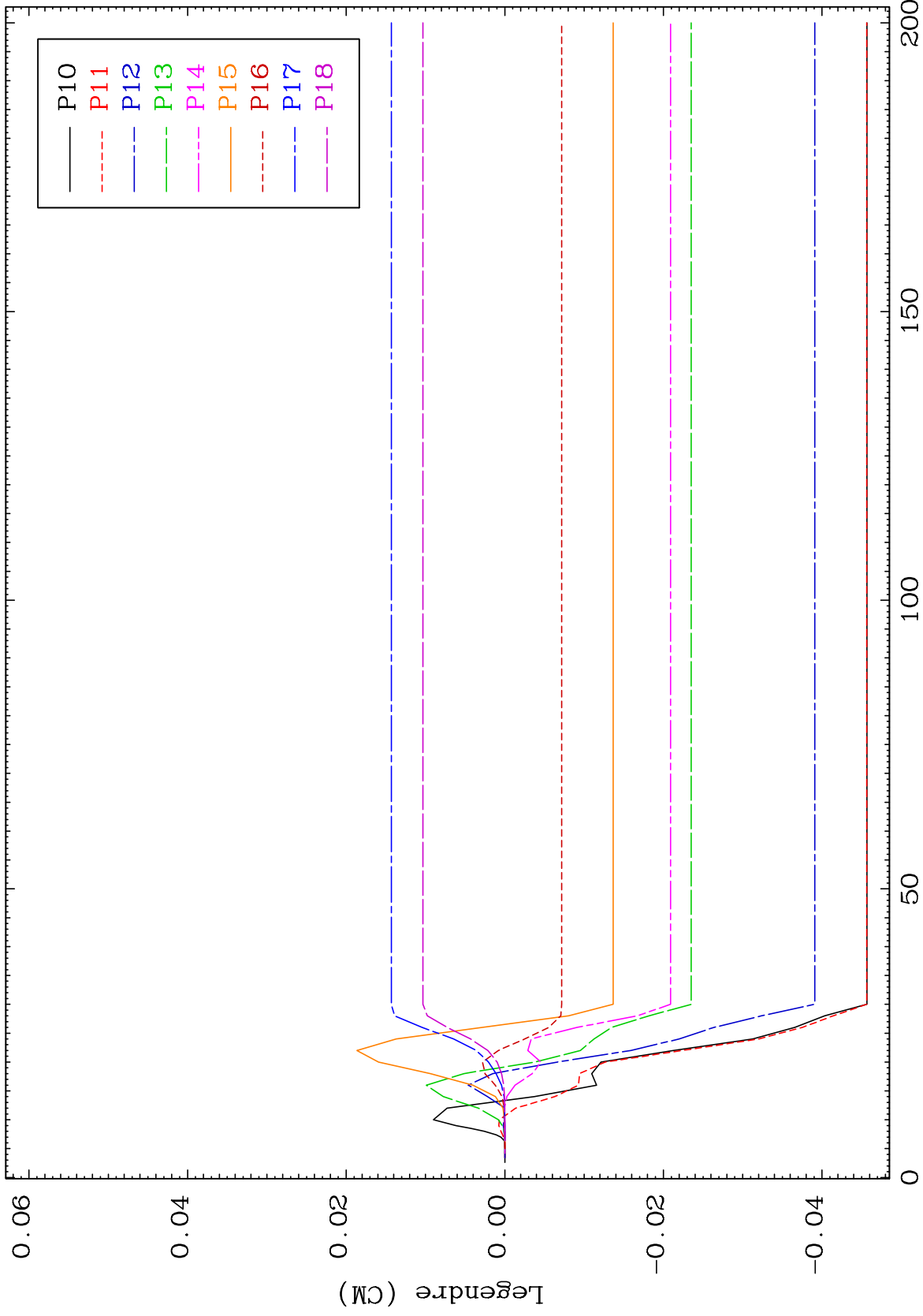
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



122

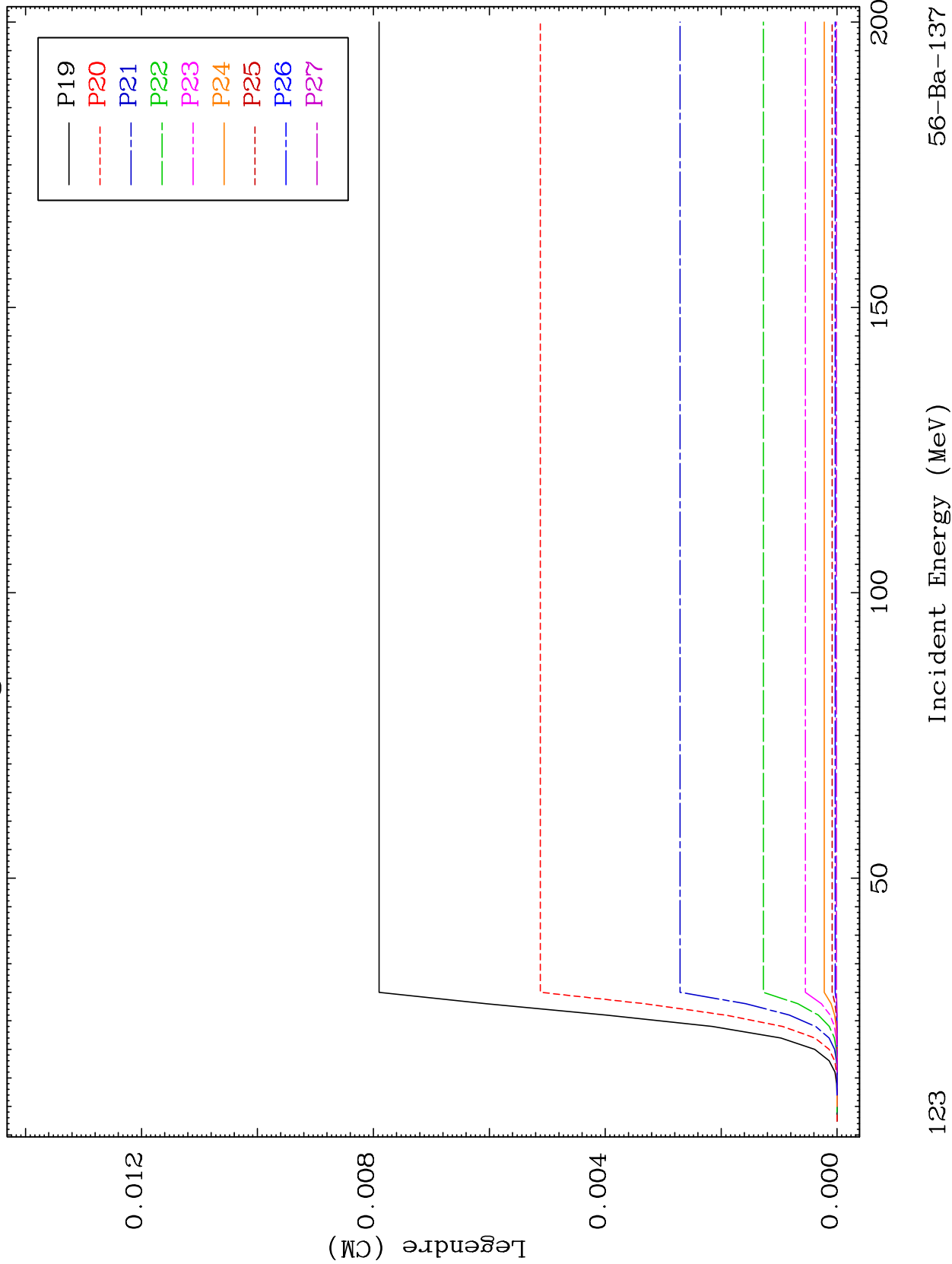
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

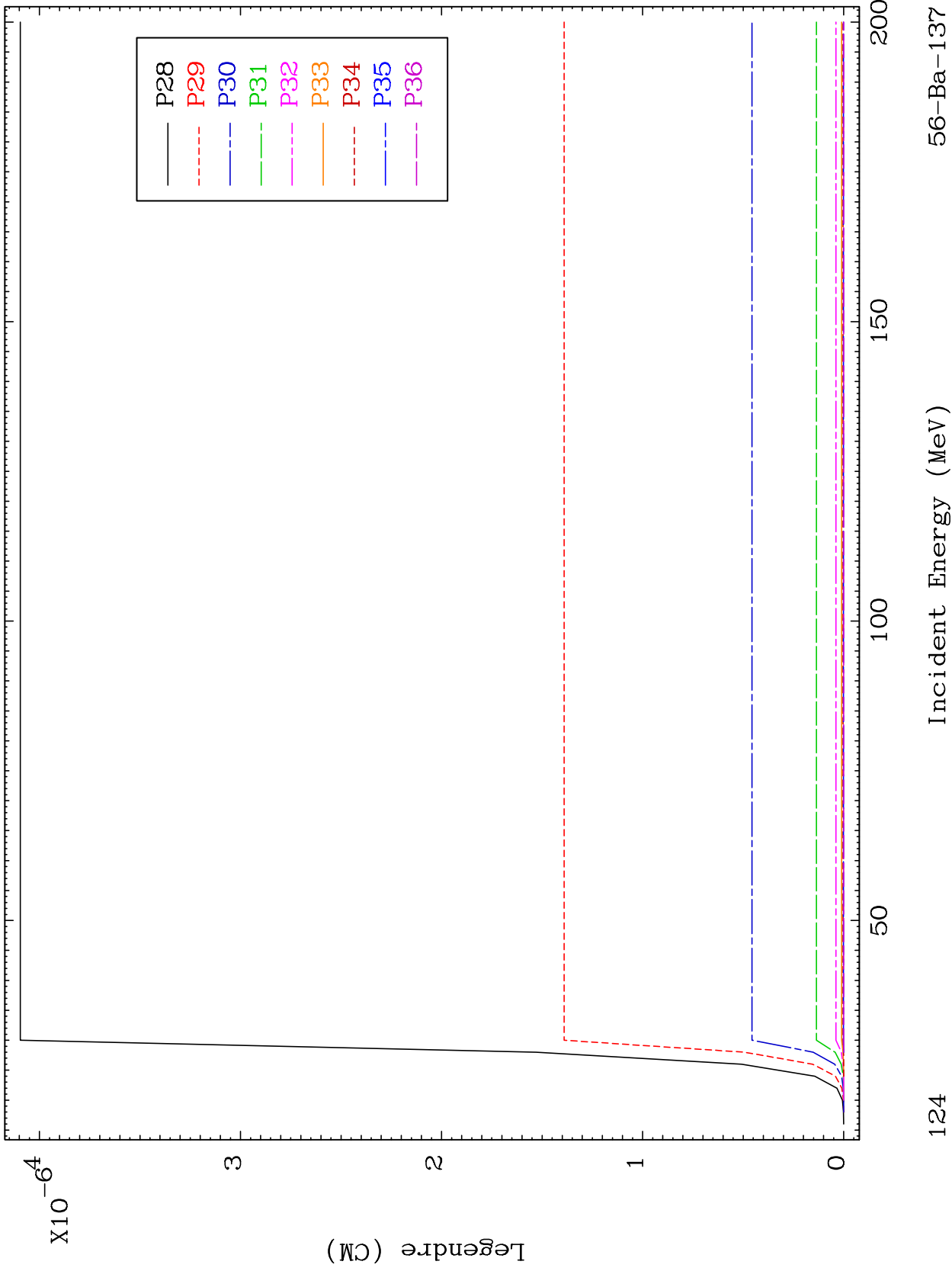


123

MAT 5646

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

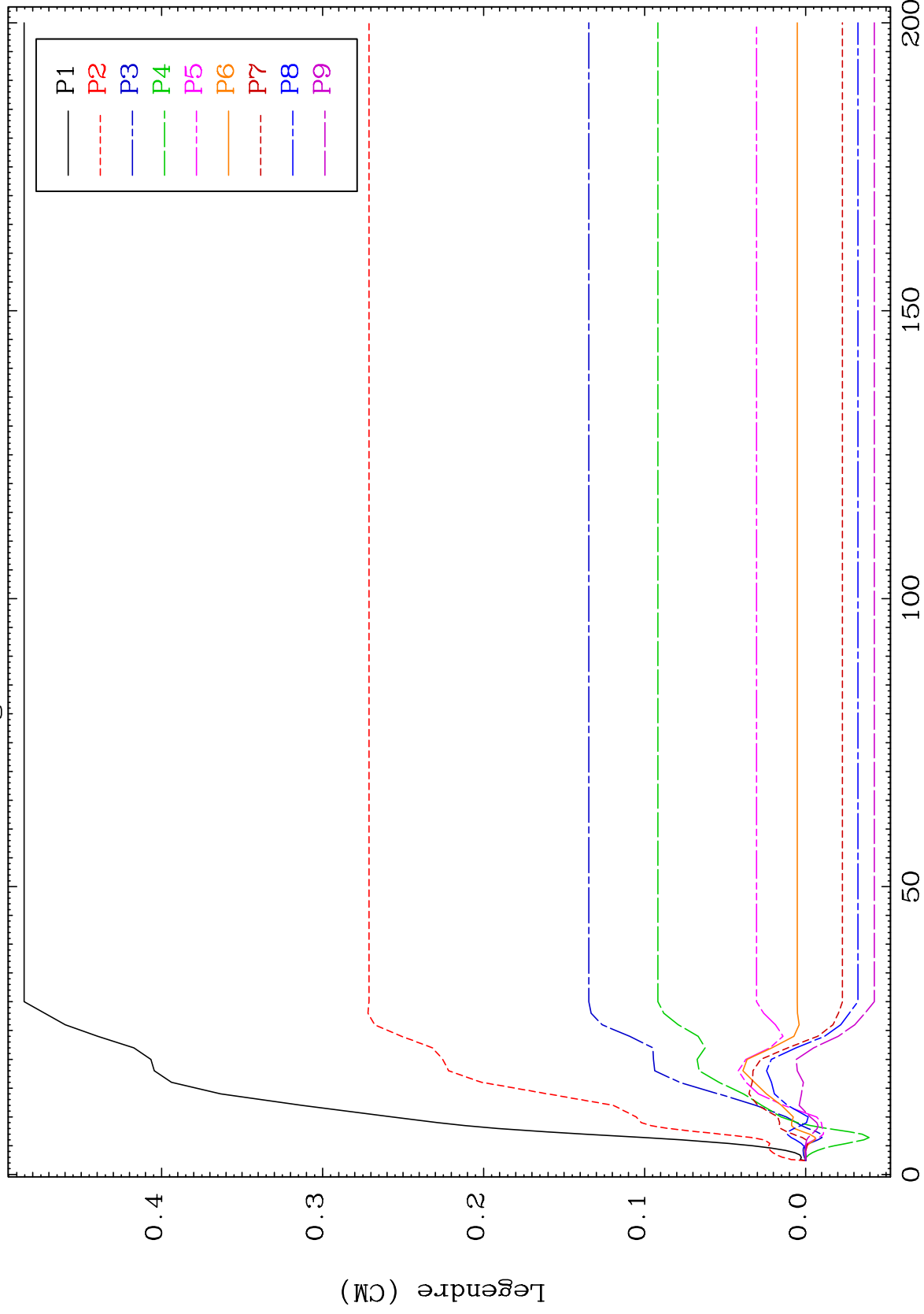
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

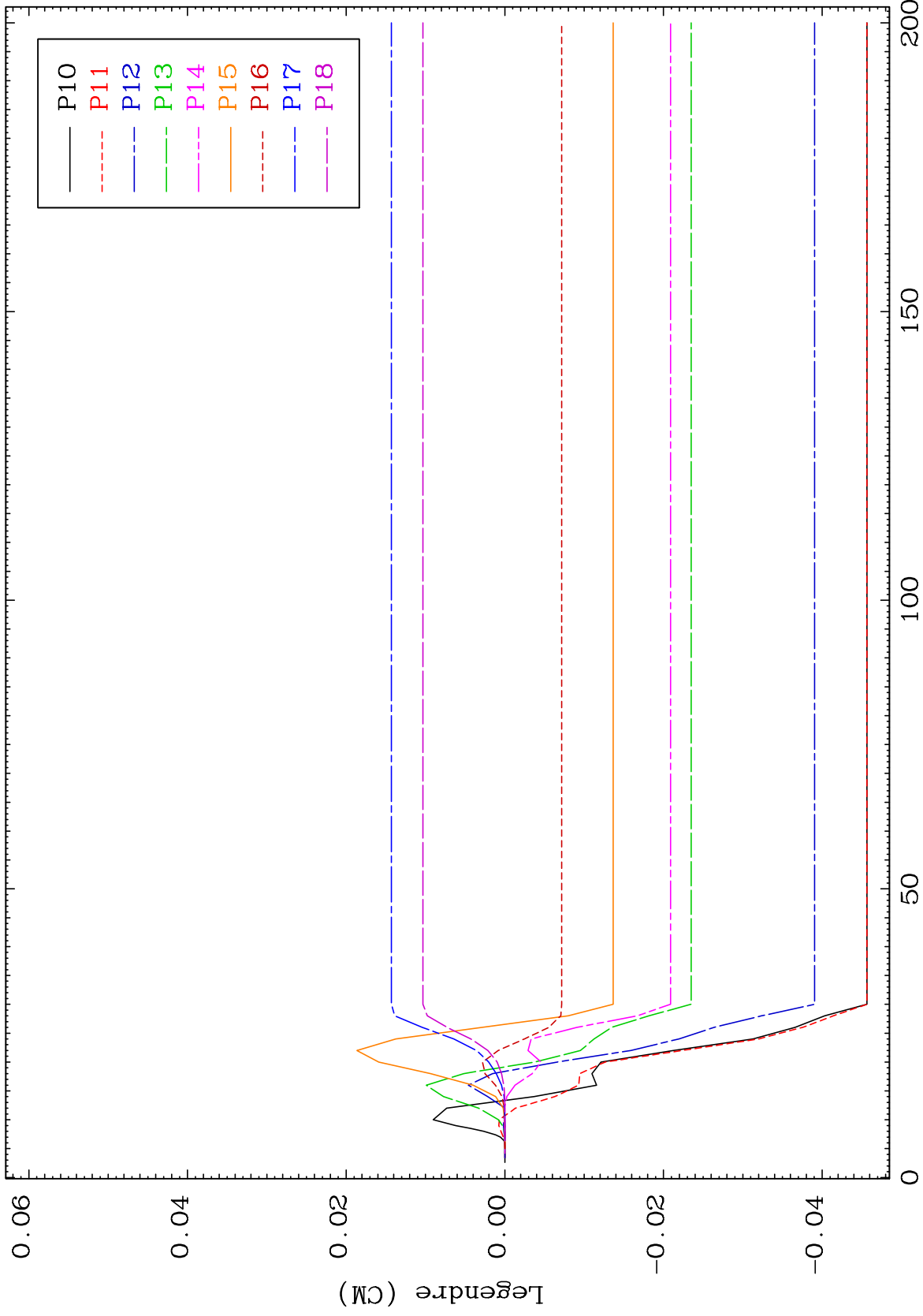
Incident Energy (MeV)

125

MAT 5646

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

56-Ba-137



126

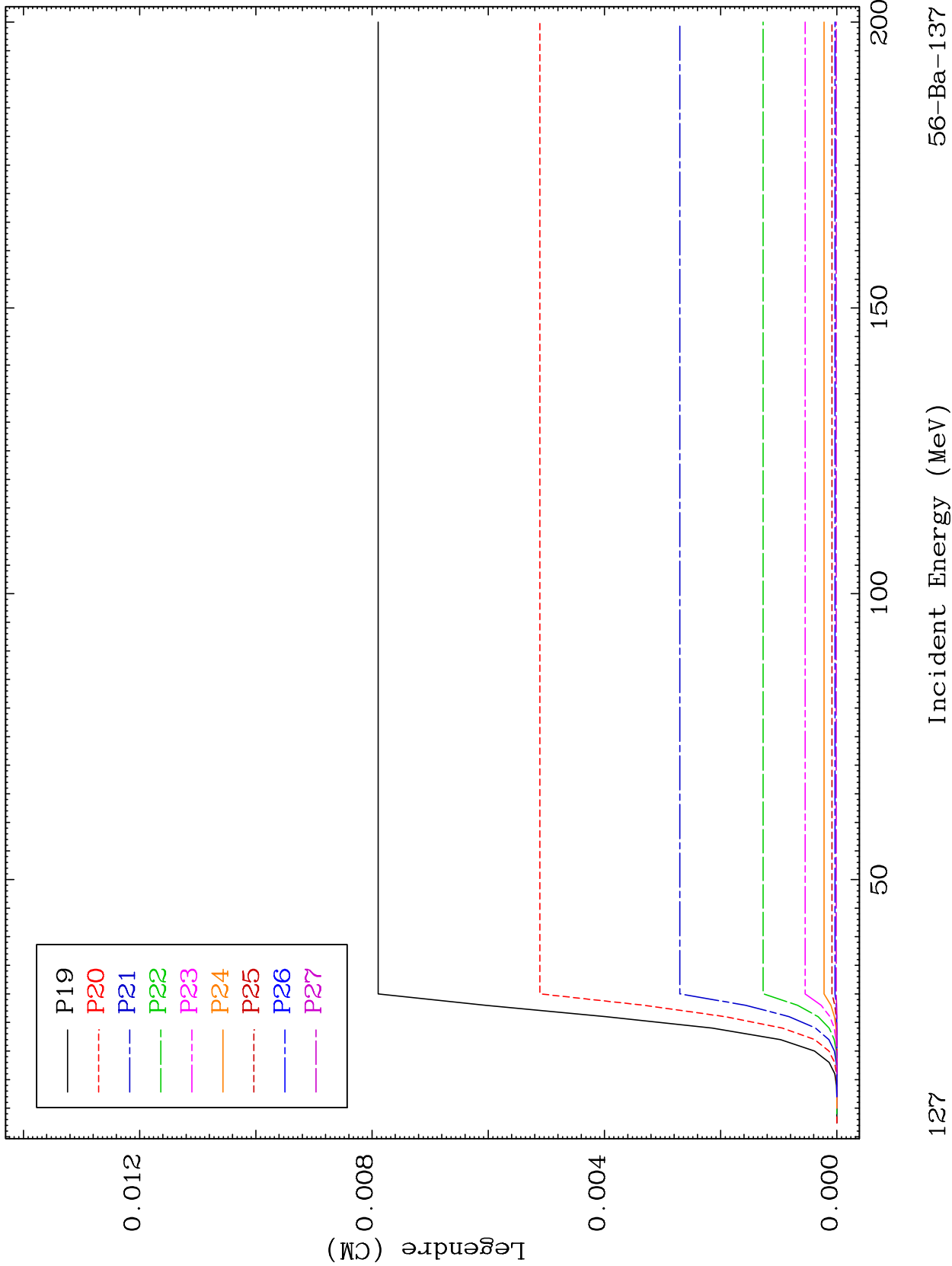
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



127

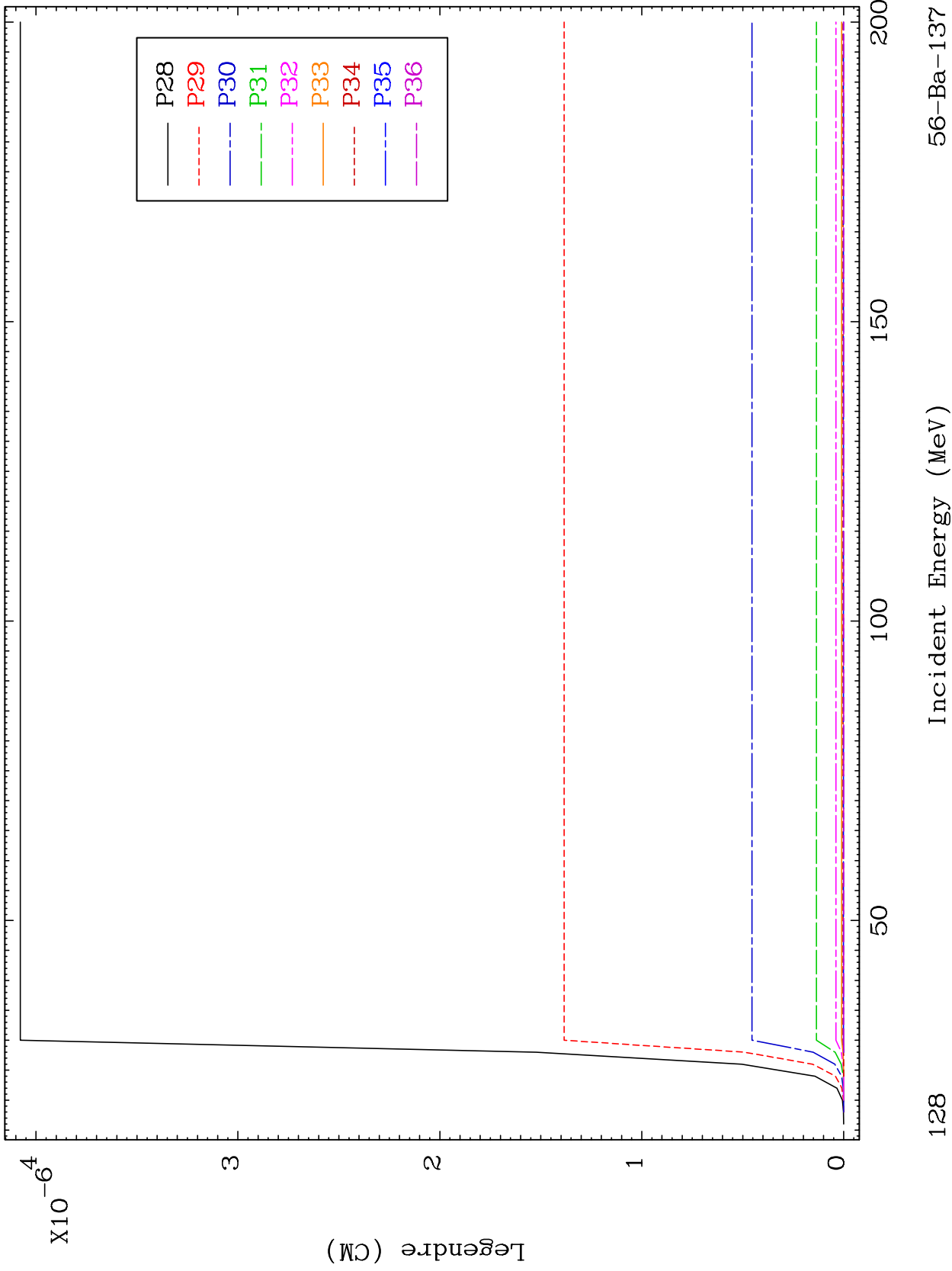
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

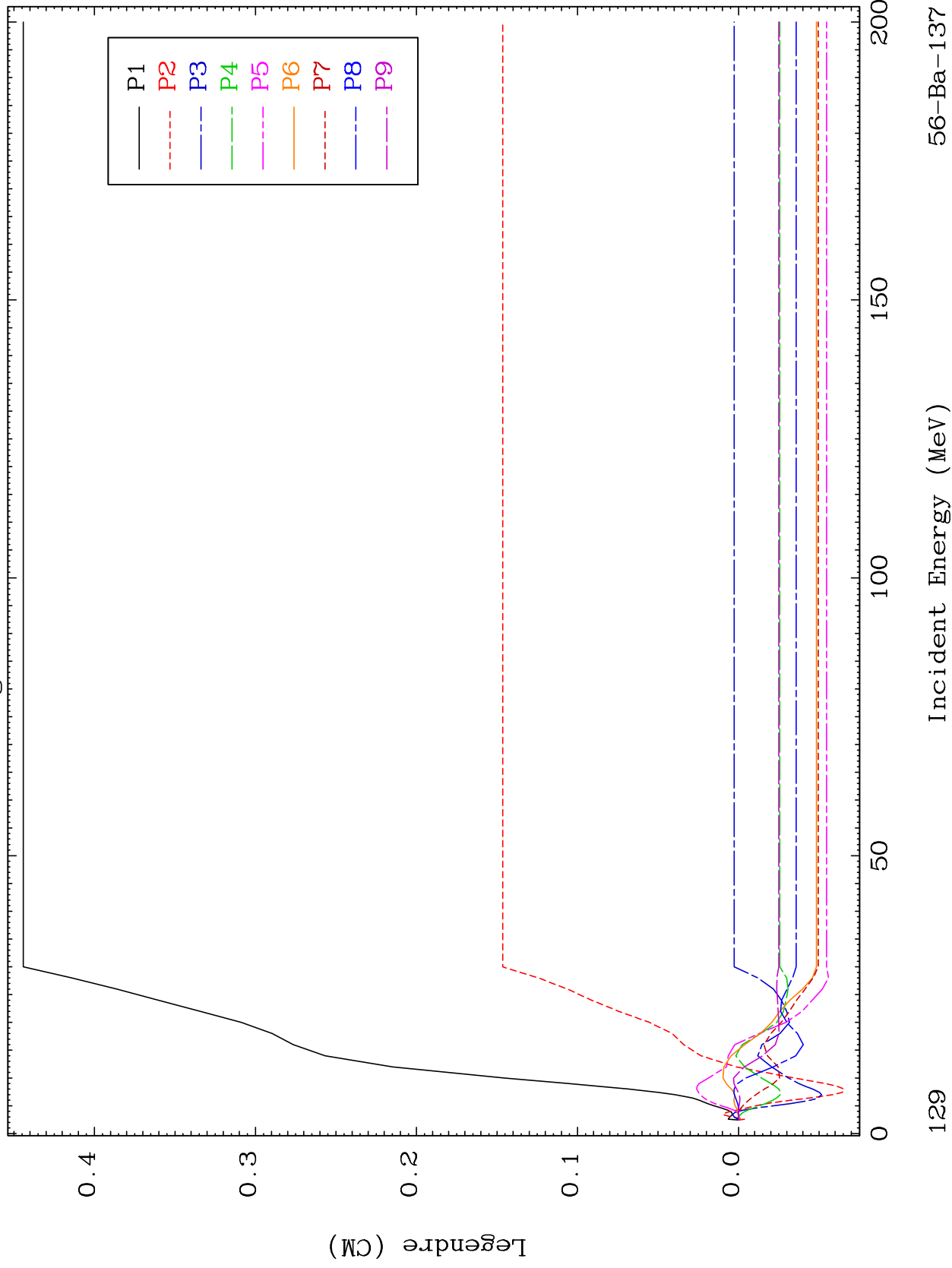
56-Ba-137



MAT 5646

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

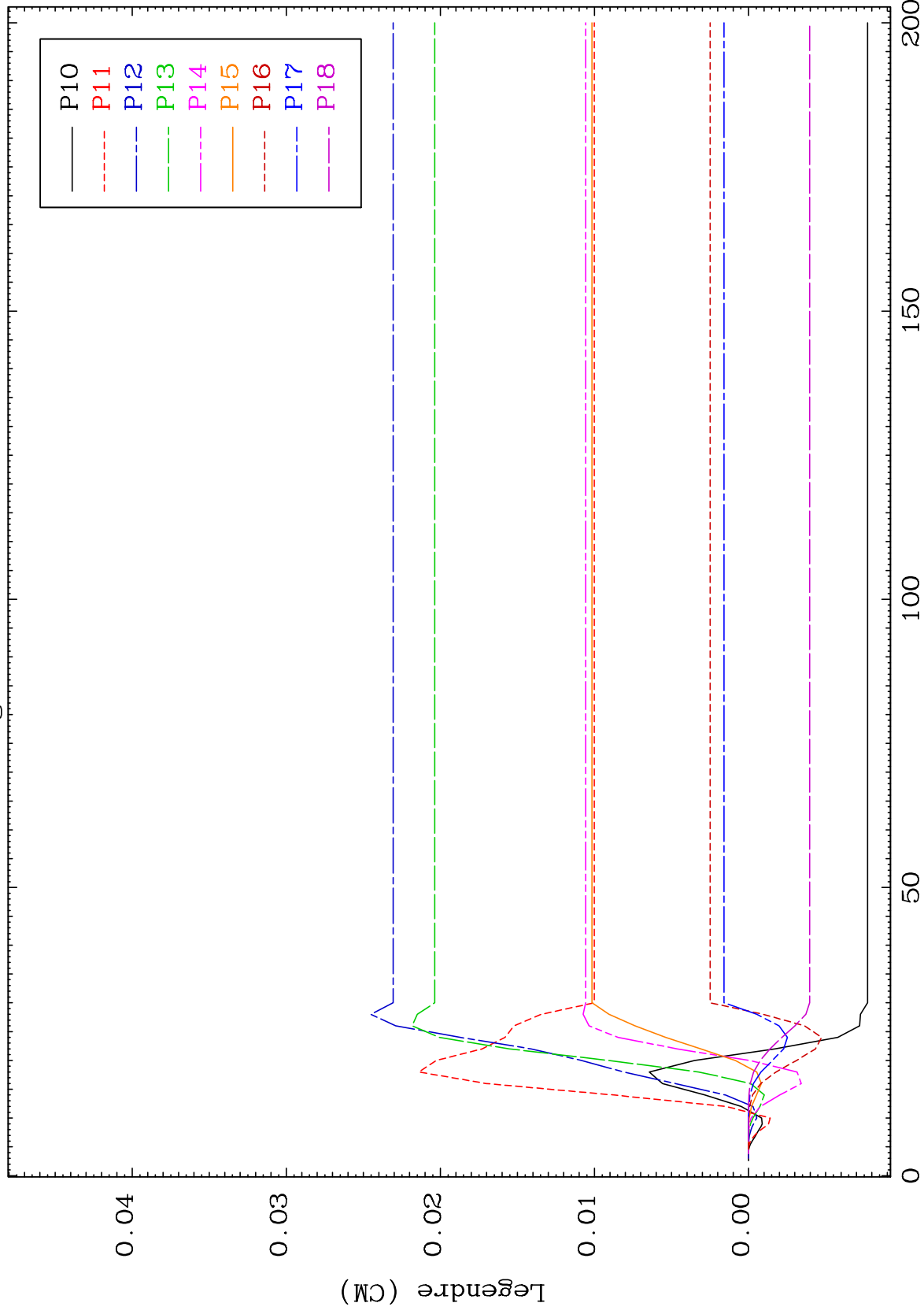
56-Ba-137



MAT 5646

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

56-Ba-137



130

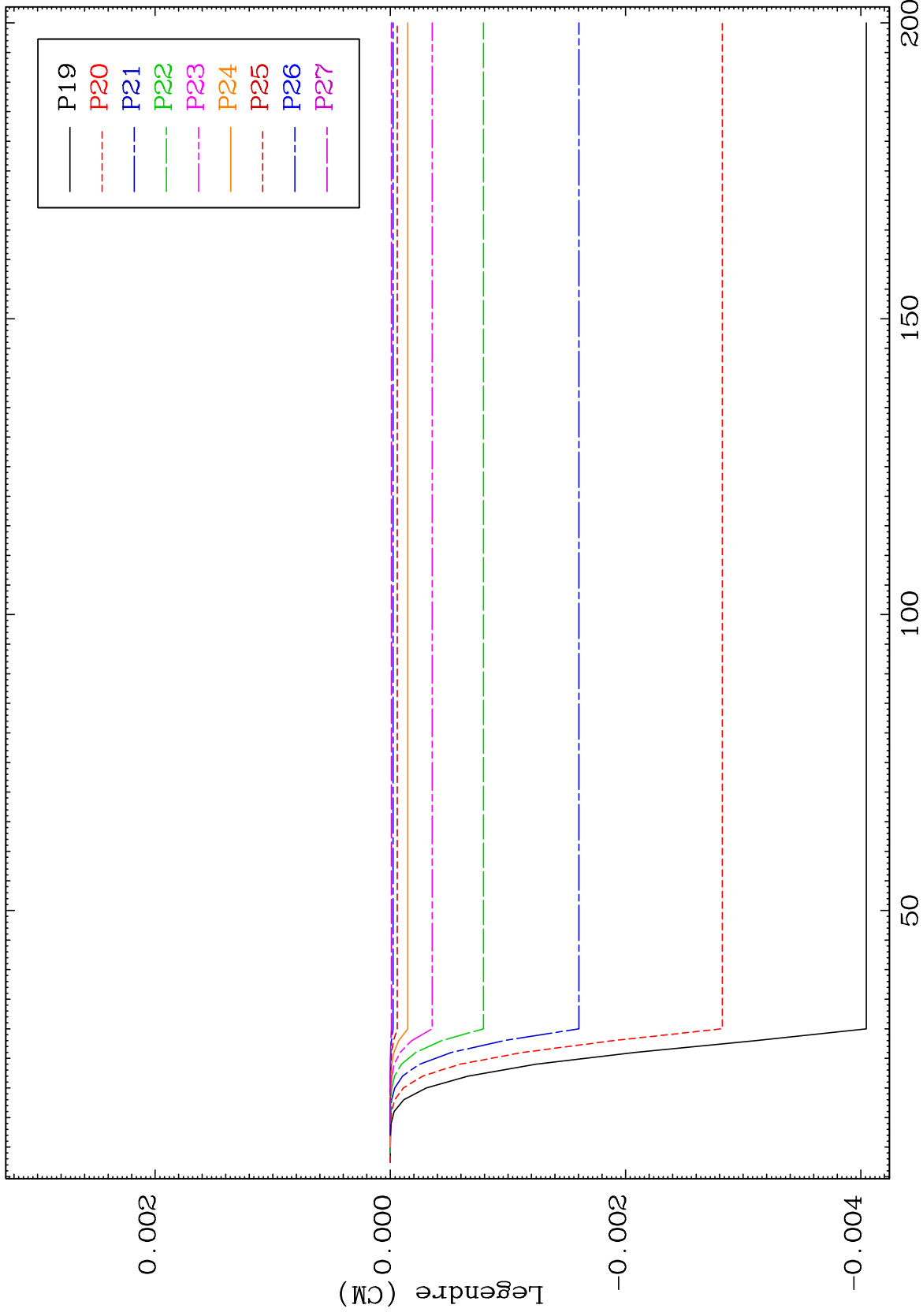
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

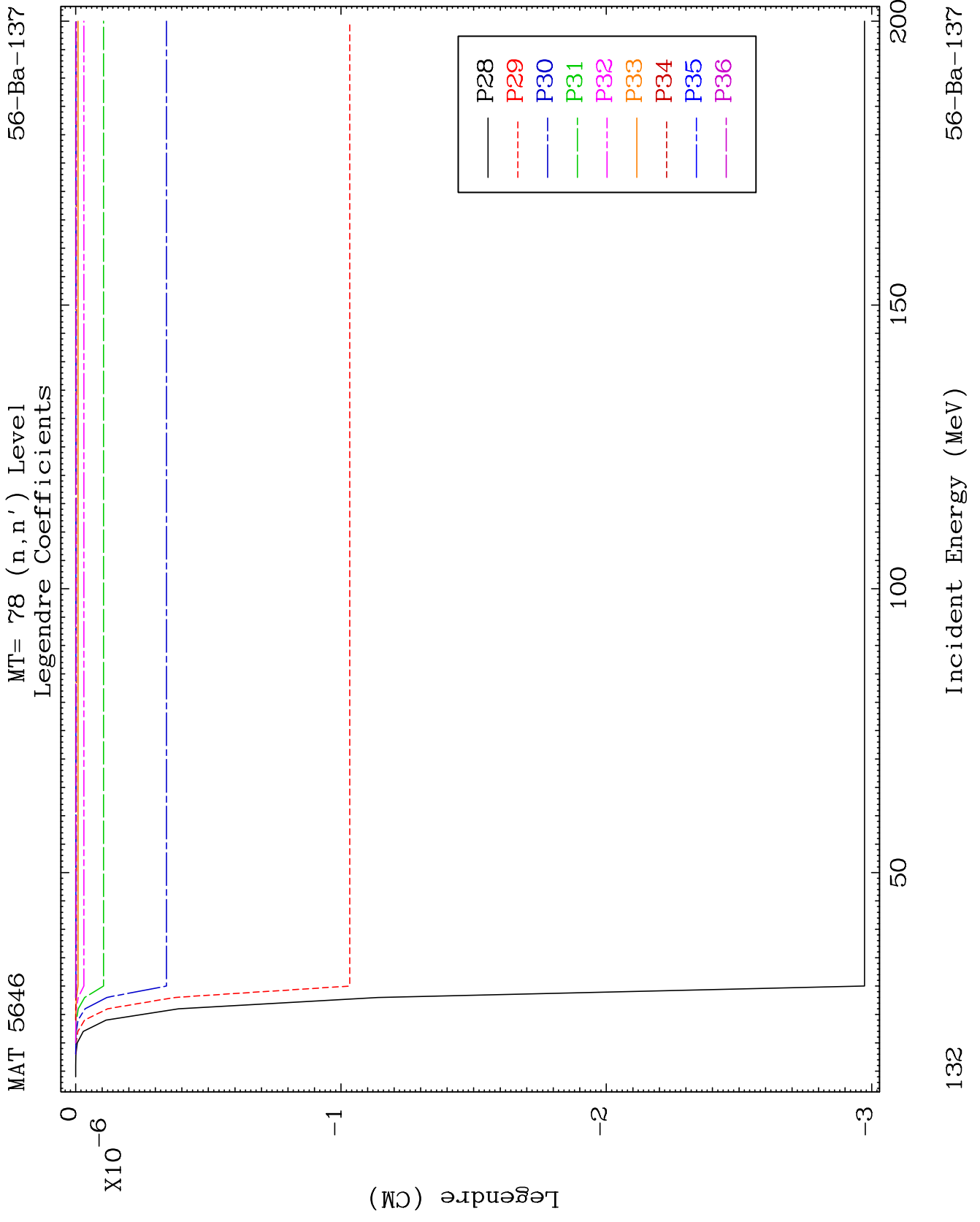
56-Ba-137



131

Incident Energy (MeV)

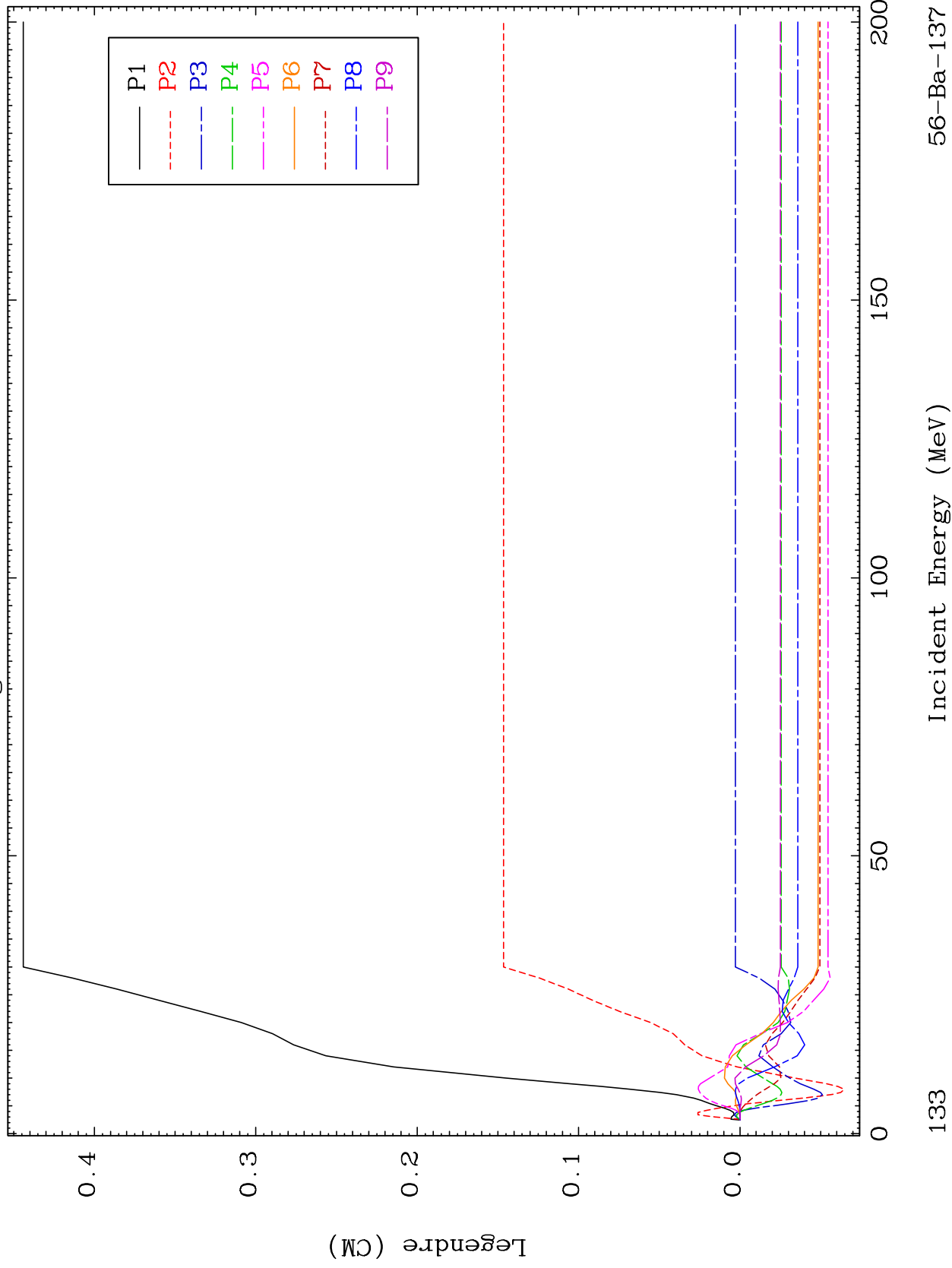
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

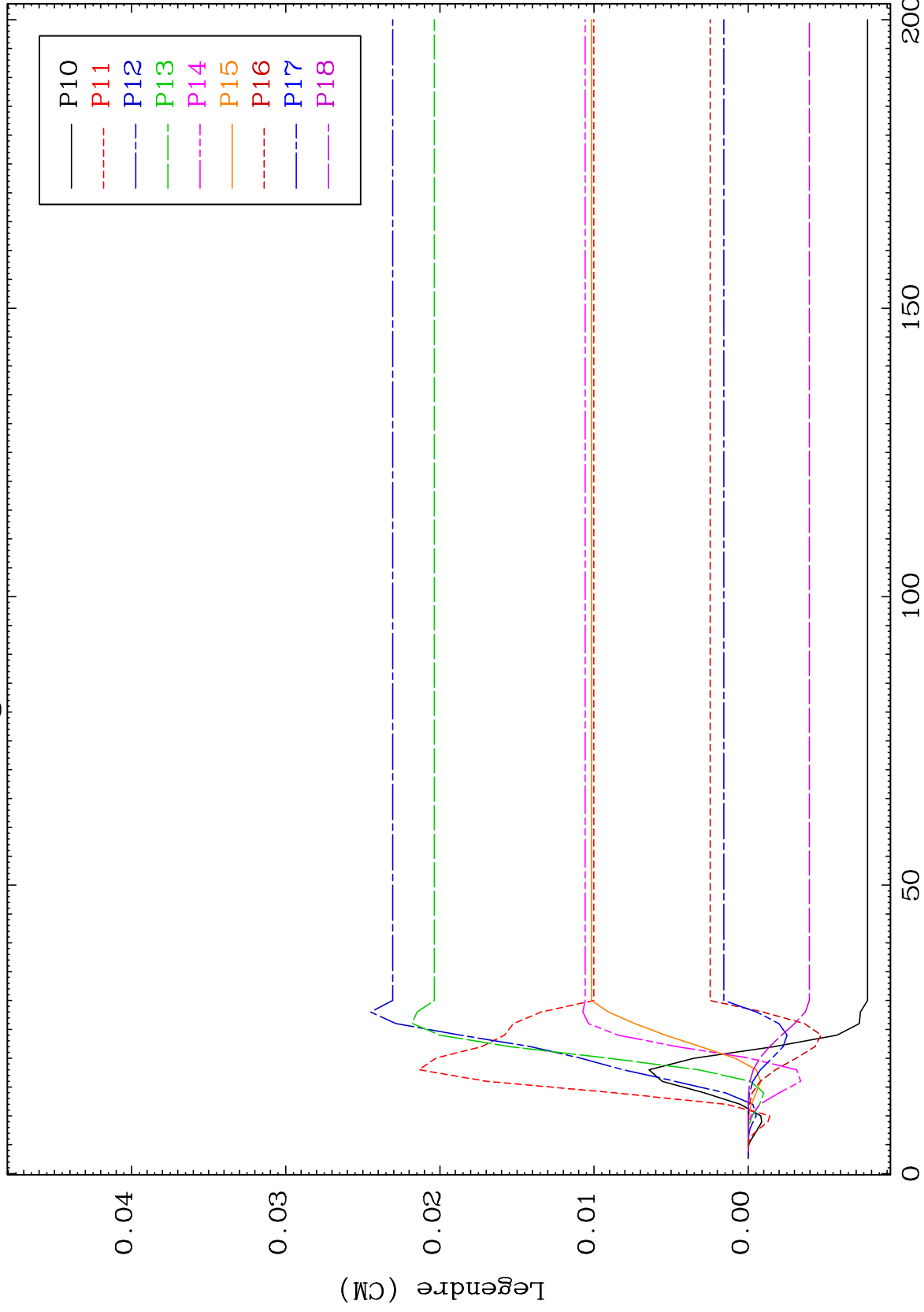
Incident Energy (MeV)

133

MAT 5646

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

56-Ba-137



134

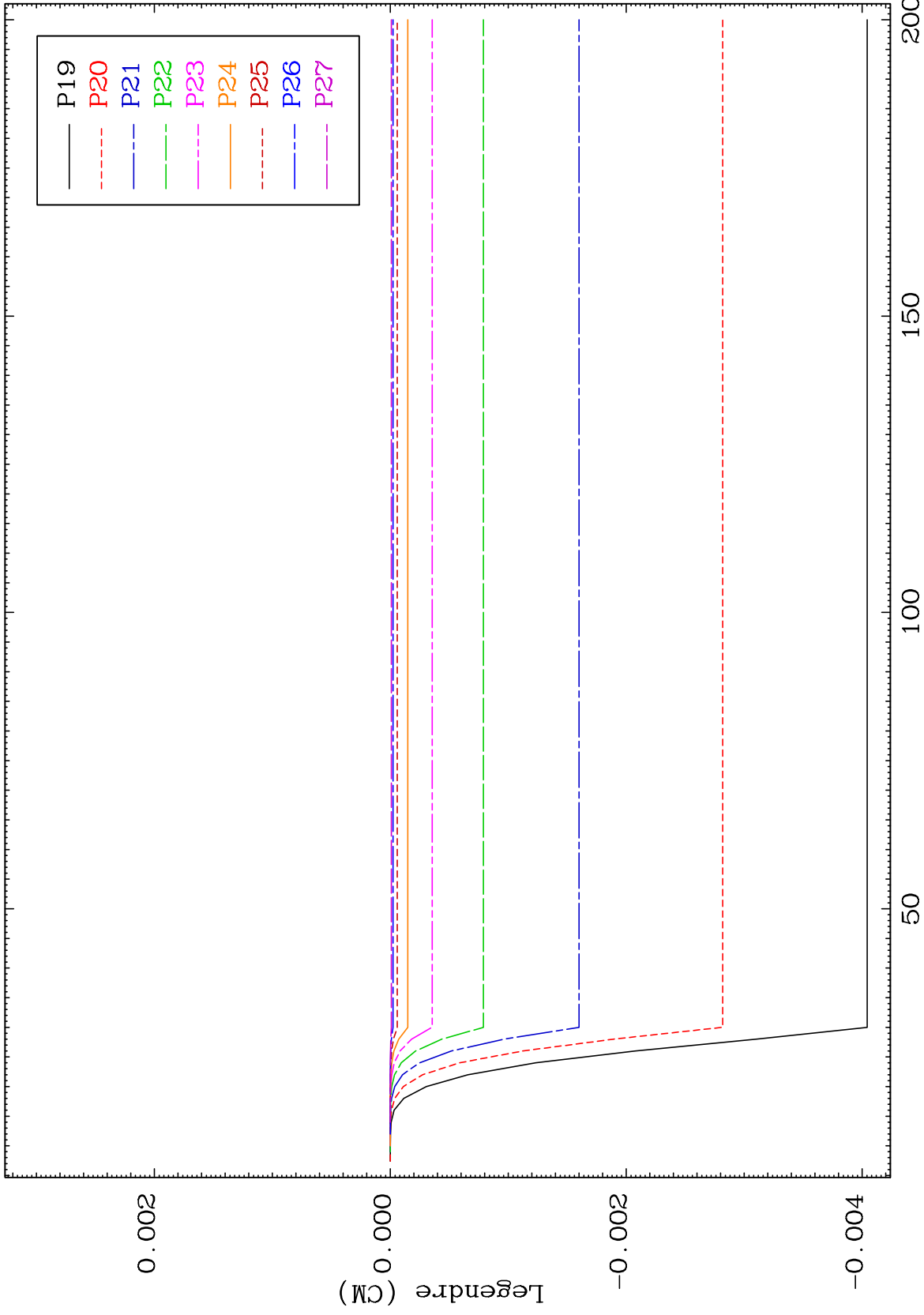
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

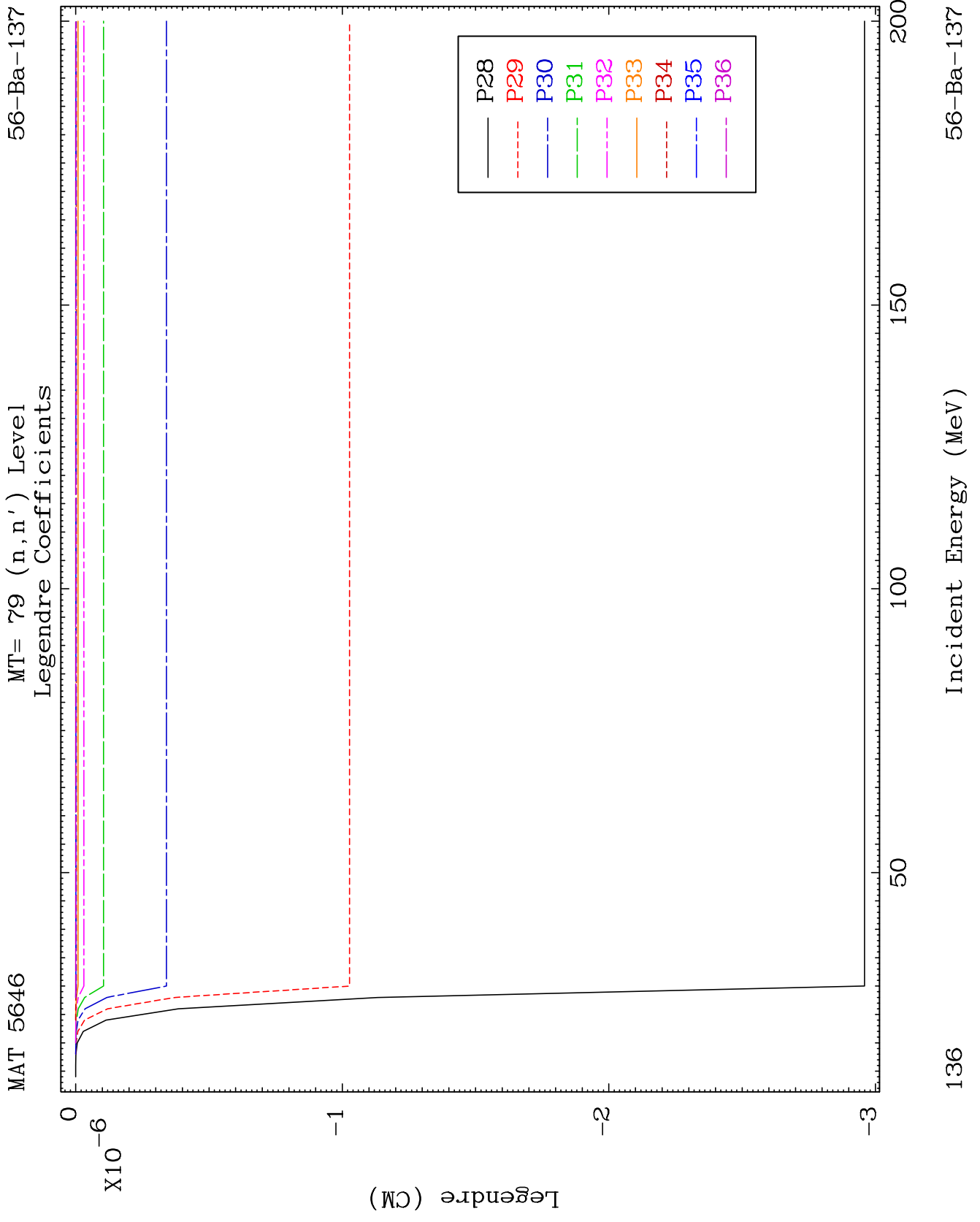
56-Ba-137



135

Incident Energy (MeV)

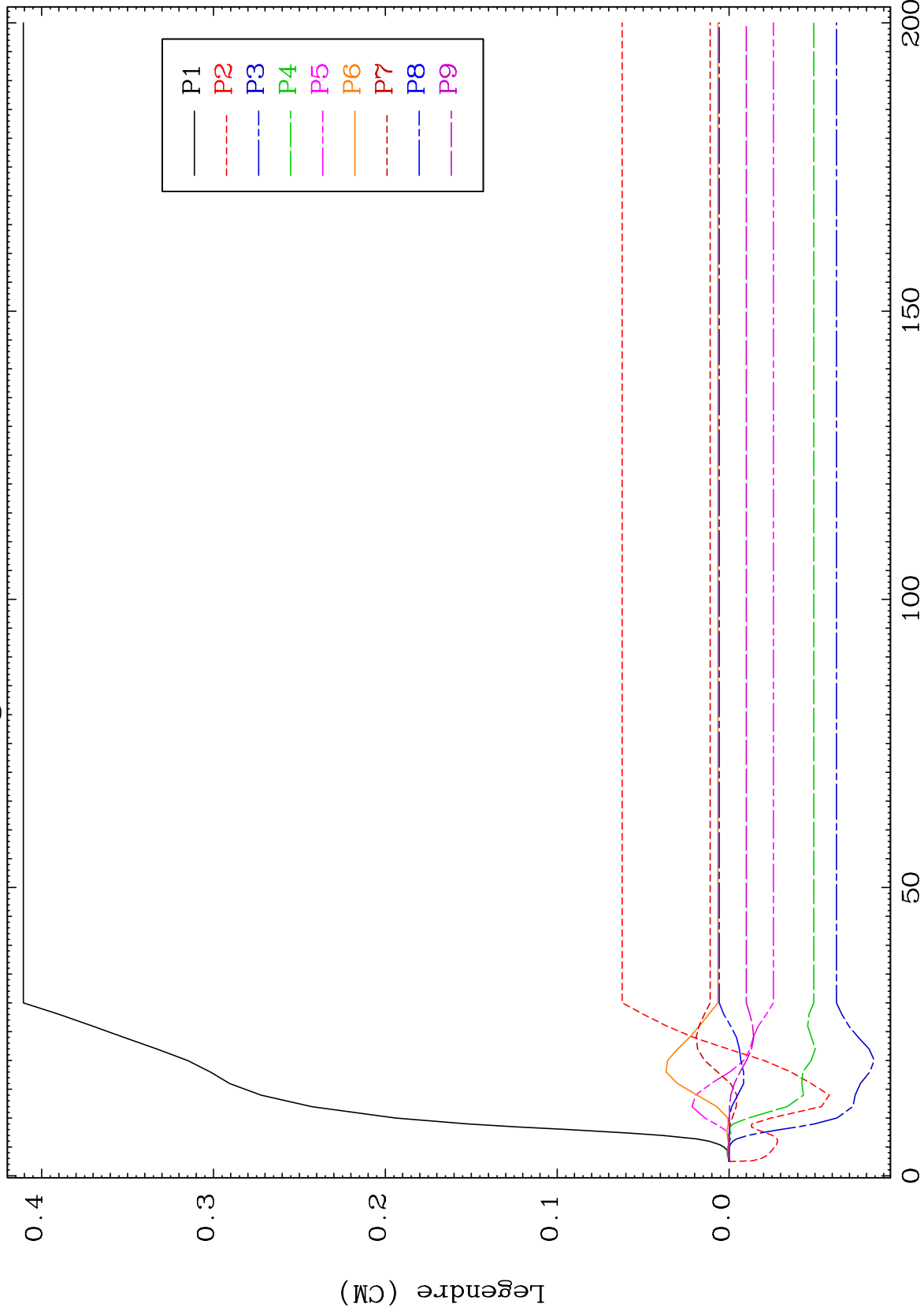
56-Ba-137



MAT 5646

MT= 80 (n,n') Level  
Legendre Coefficients

56-Ba-137



137

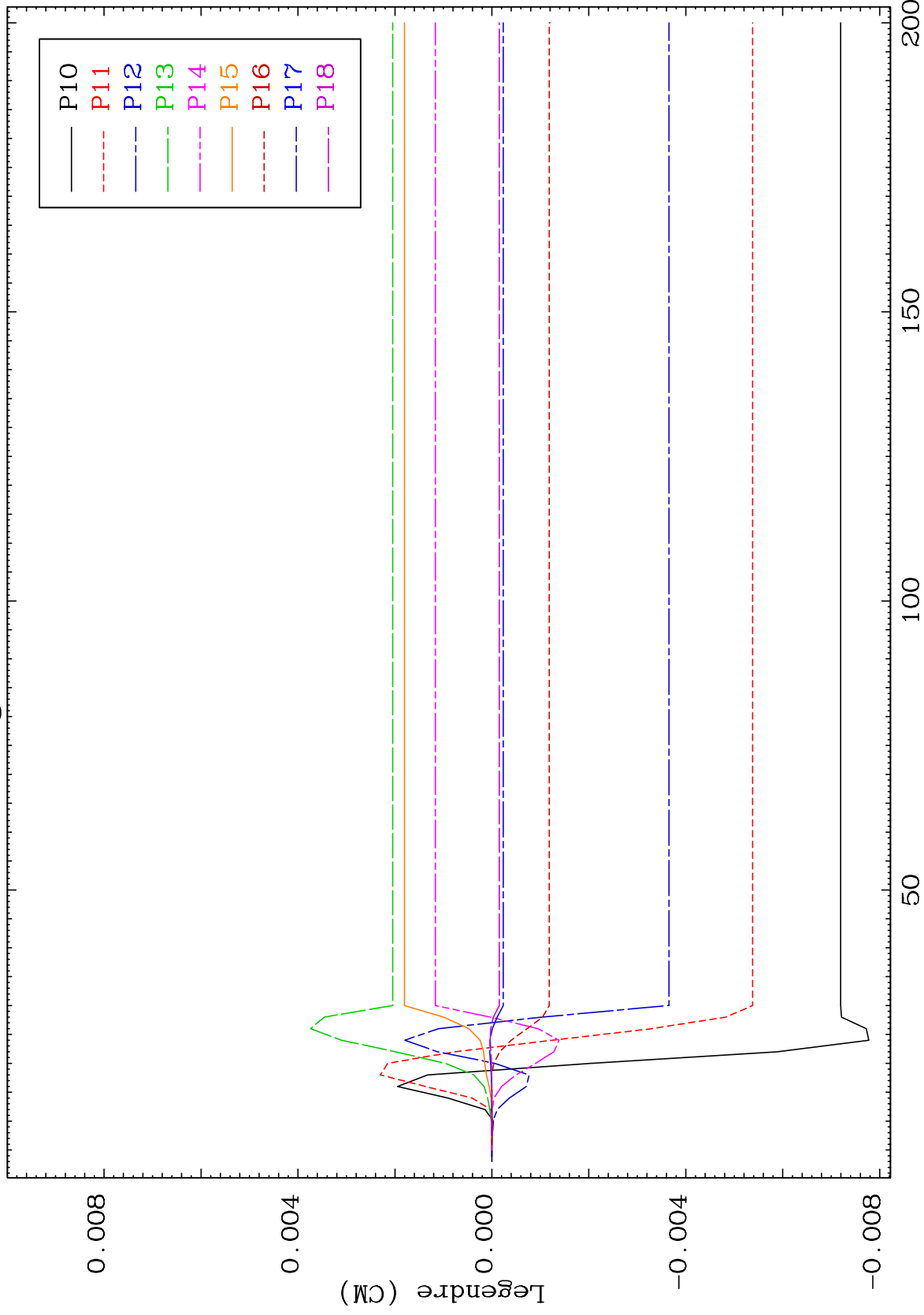
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 80 (n,n') Level  
Legendre Coefficients

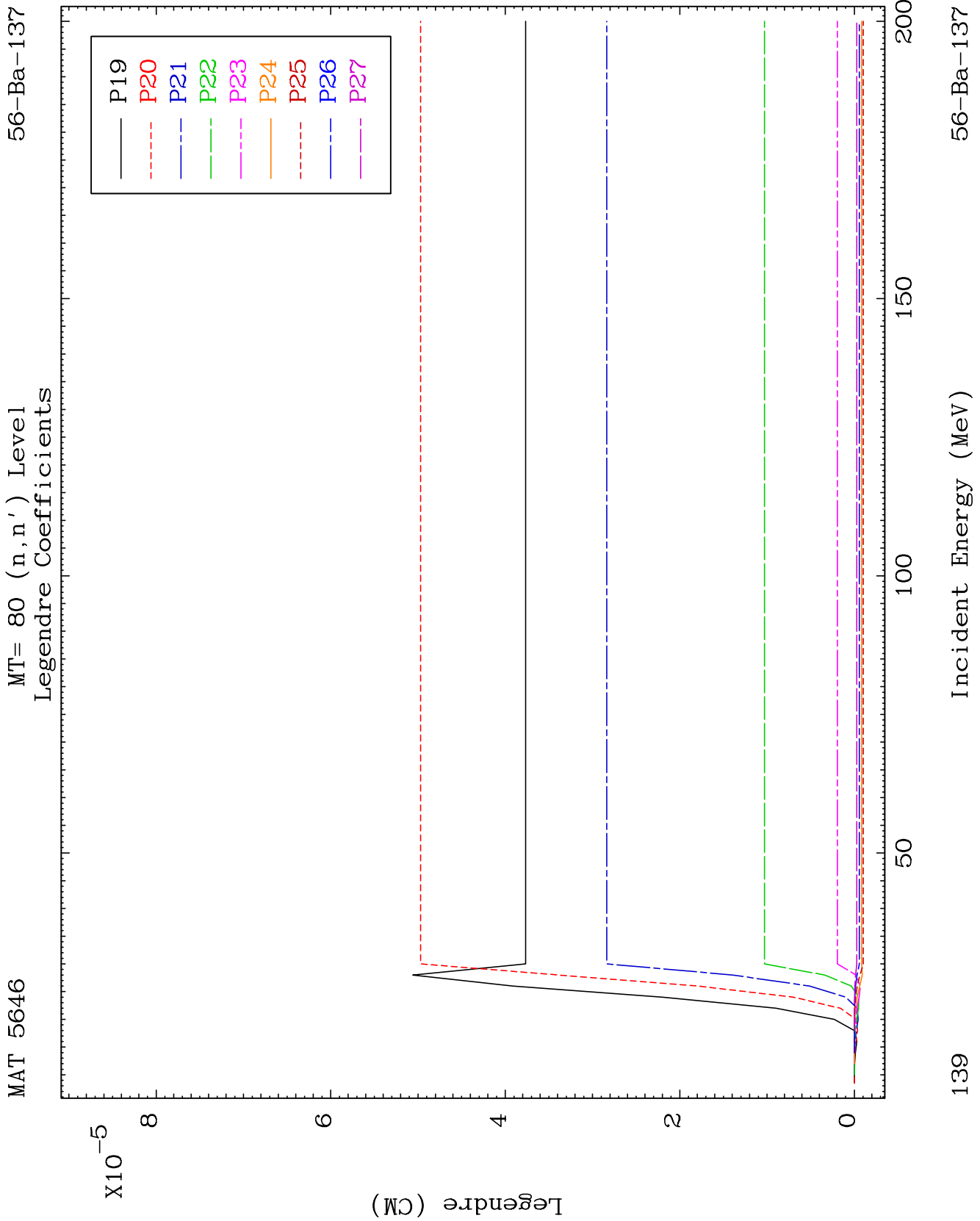
56-Ba-137

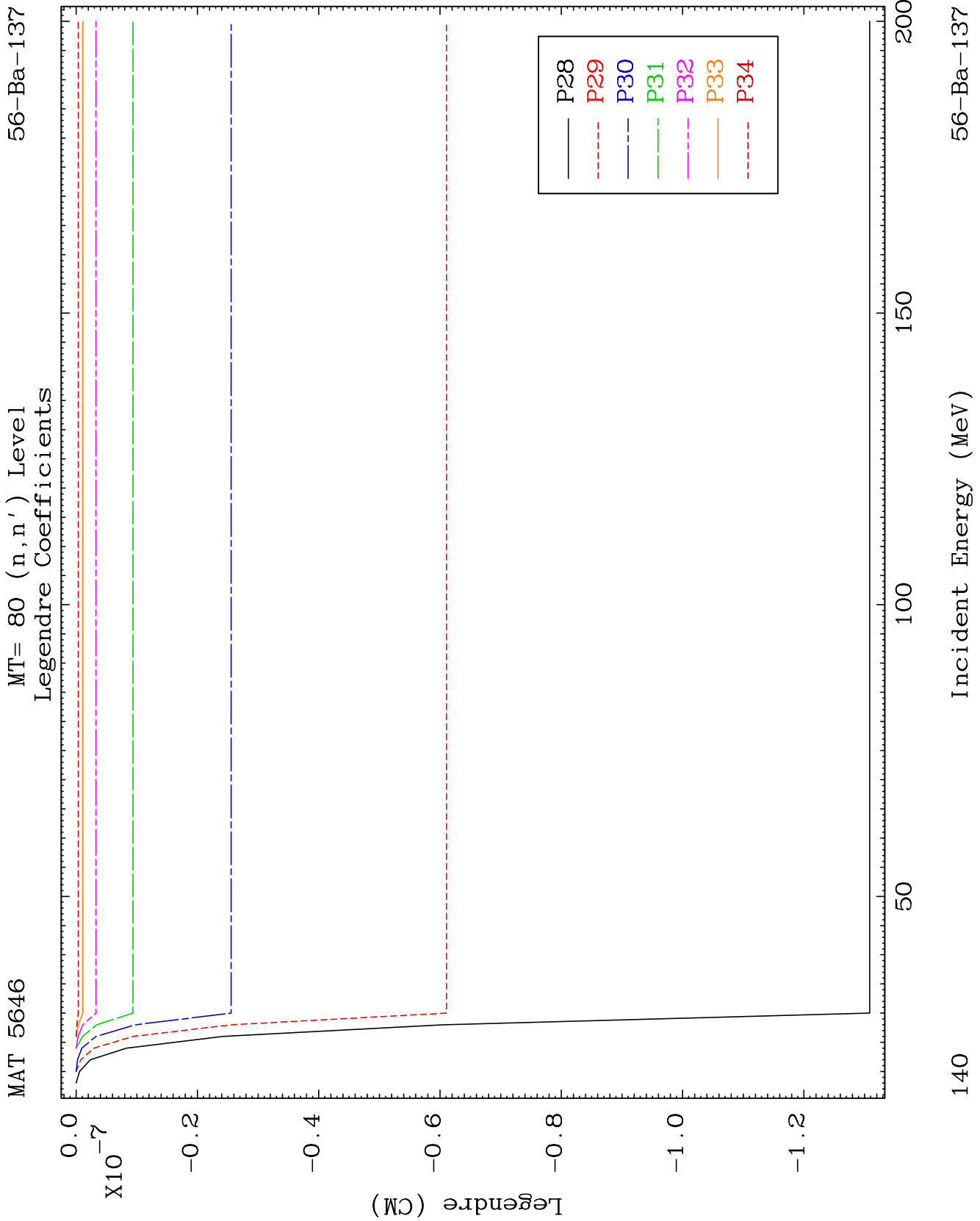


138

Incident Energy (MeV)

56-Ba-137

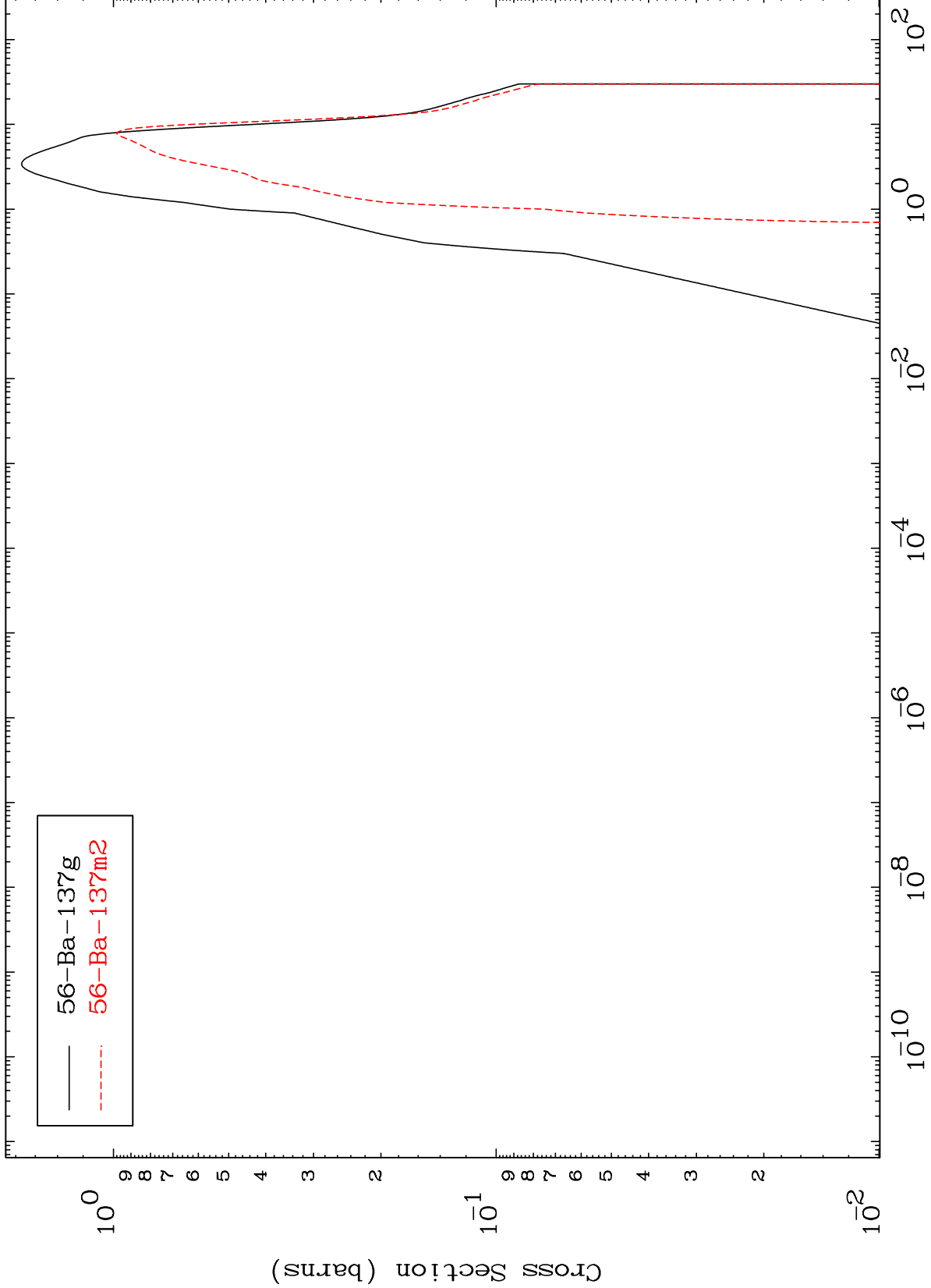




MAT 5646

Inelastic  
Radionuclide Production Cross Section

56-Ba-137



56-Ba-137g  
56-Ba-137m2

141

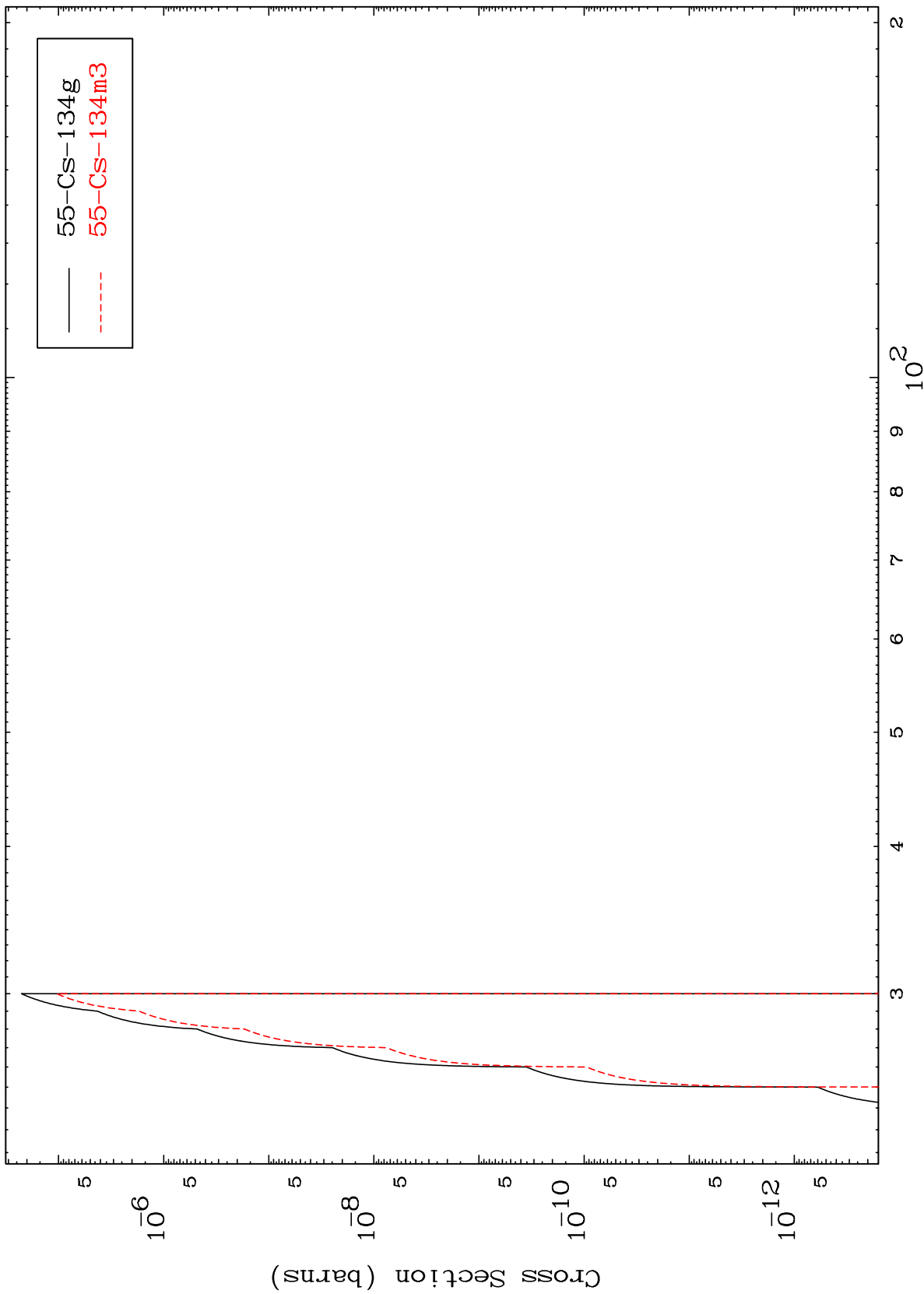
56-Ba-137

MAT 5646

(n,2n) d

56-Ba-137

Radionuclide Production Cross Section



55-Cs-134g  
55-Cs-134m3

142

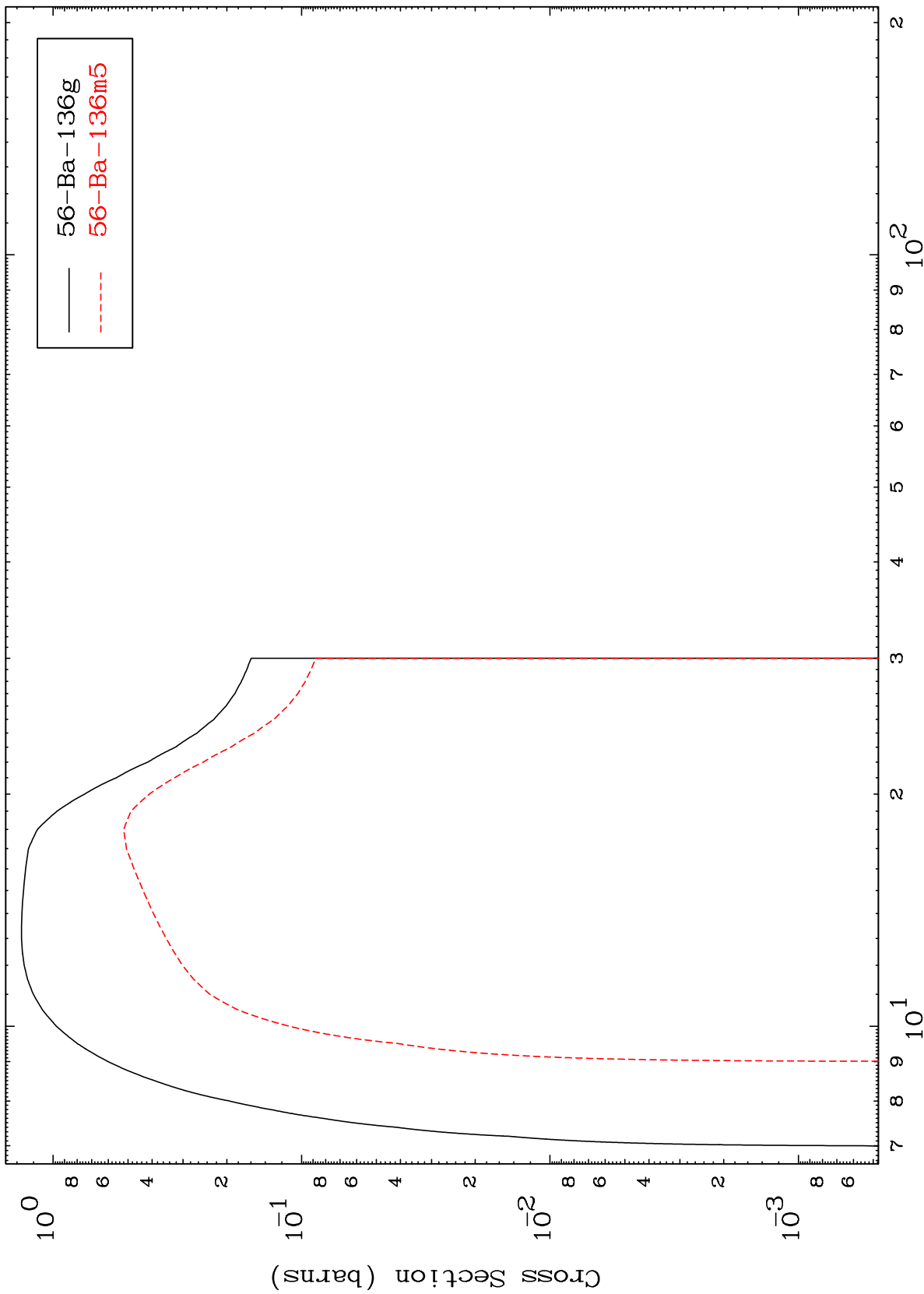
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,2n)  
Radionuclide Production Cross Section



143

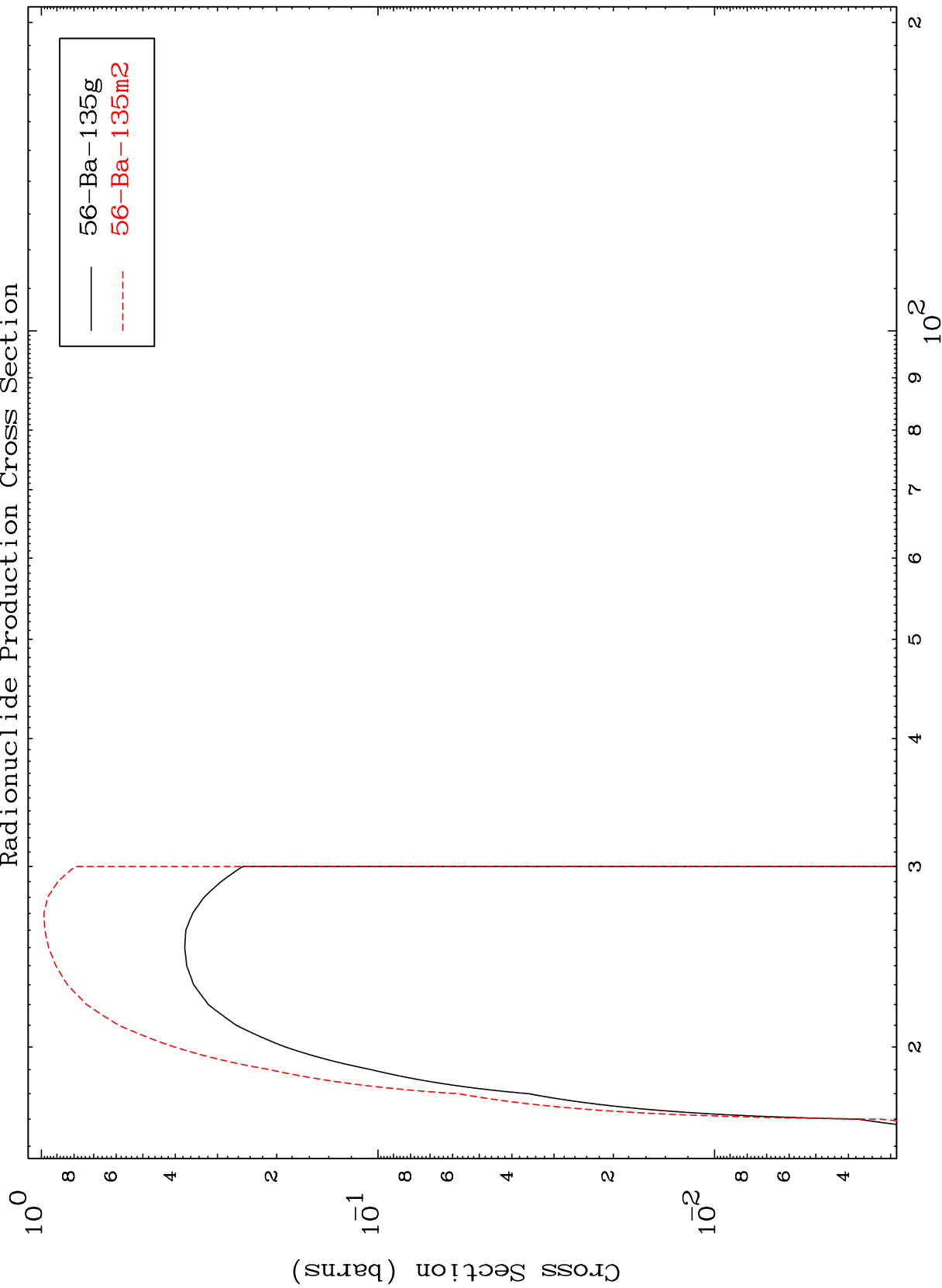
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,3n)  
Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

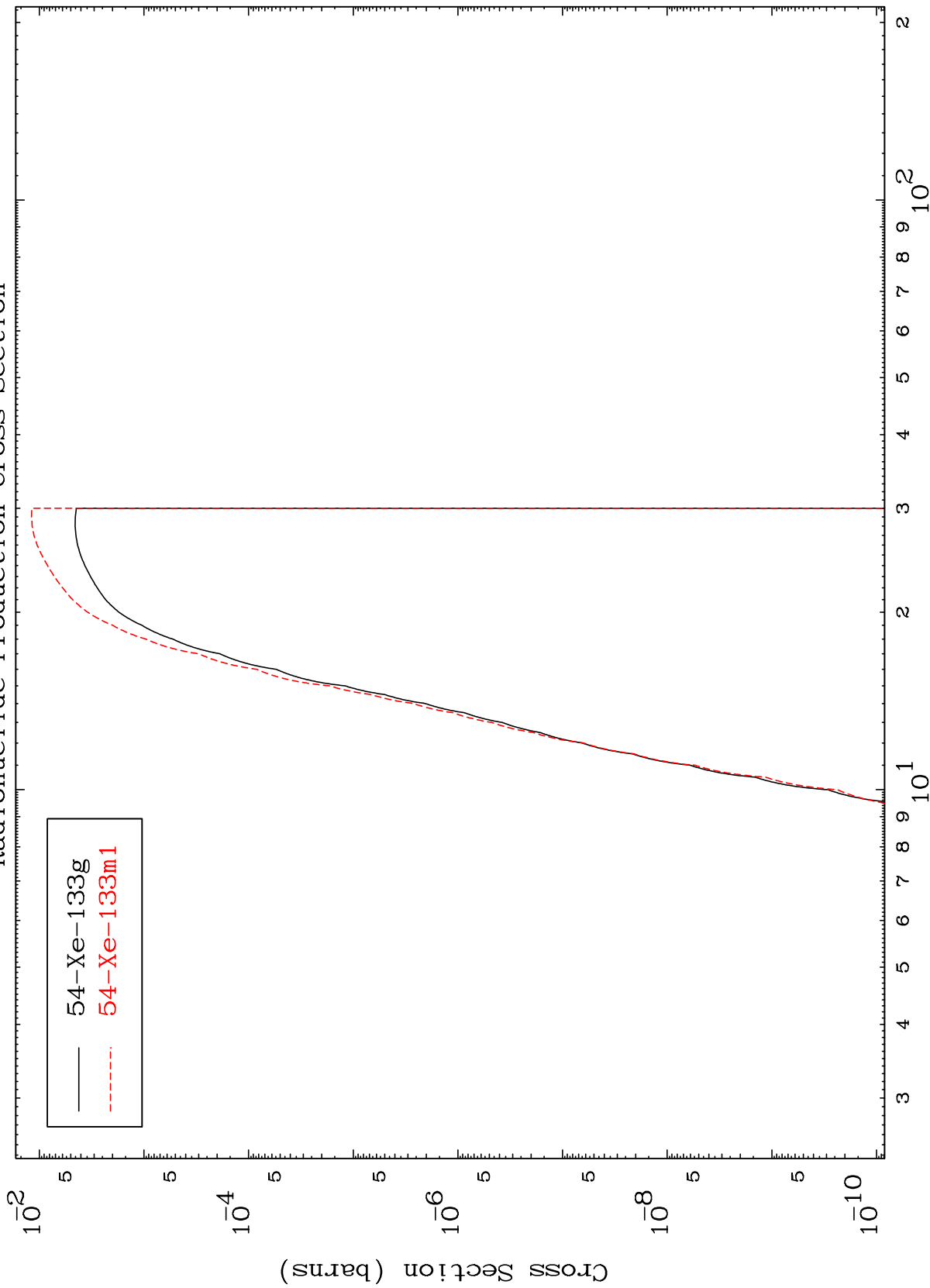
144

MAT 5646

56-Ba-137

(n,n')  $\alpha$

Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

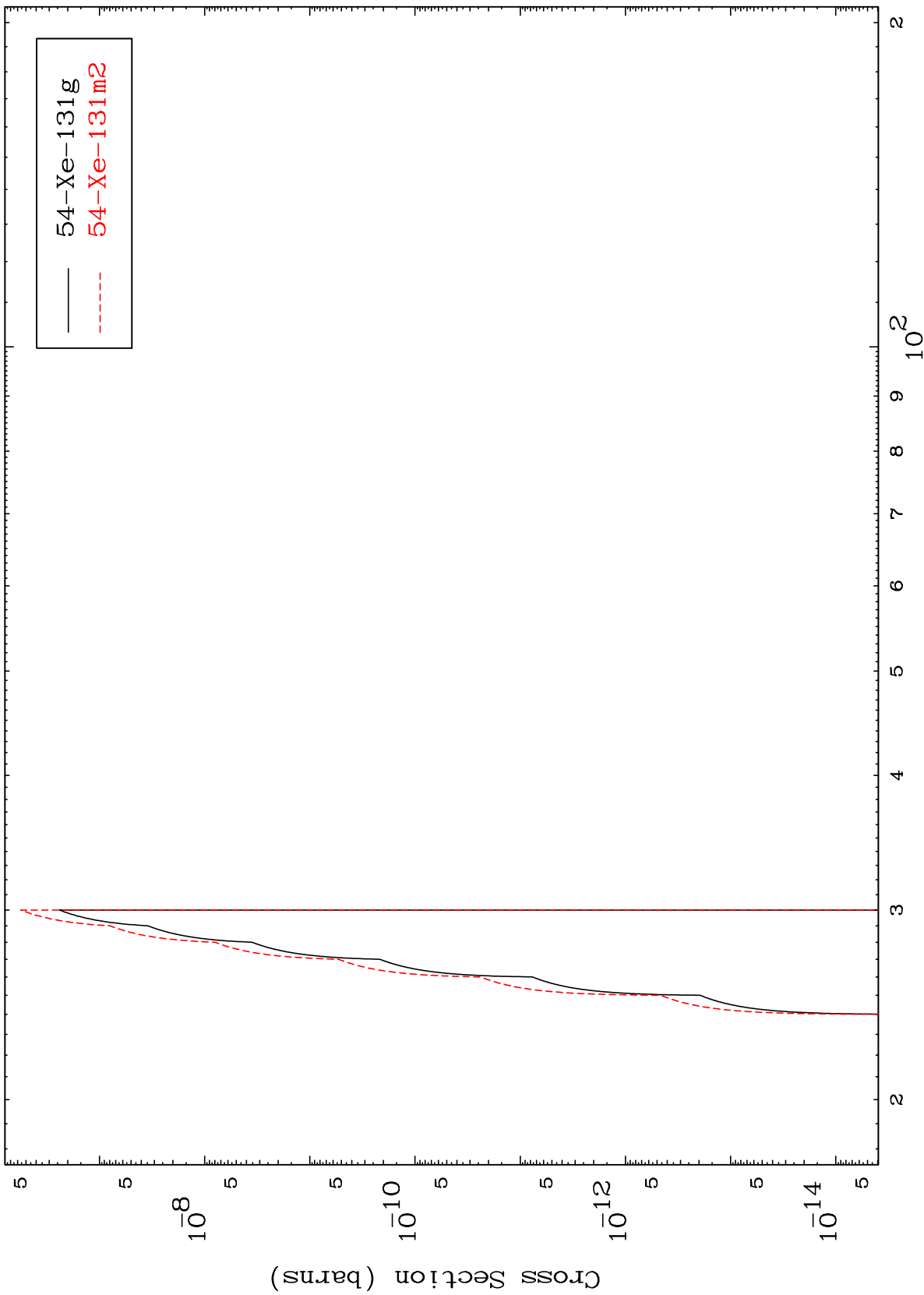
145

MAT 5646

(n,3n)  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



146

Incident Energy (MeV)

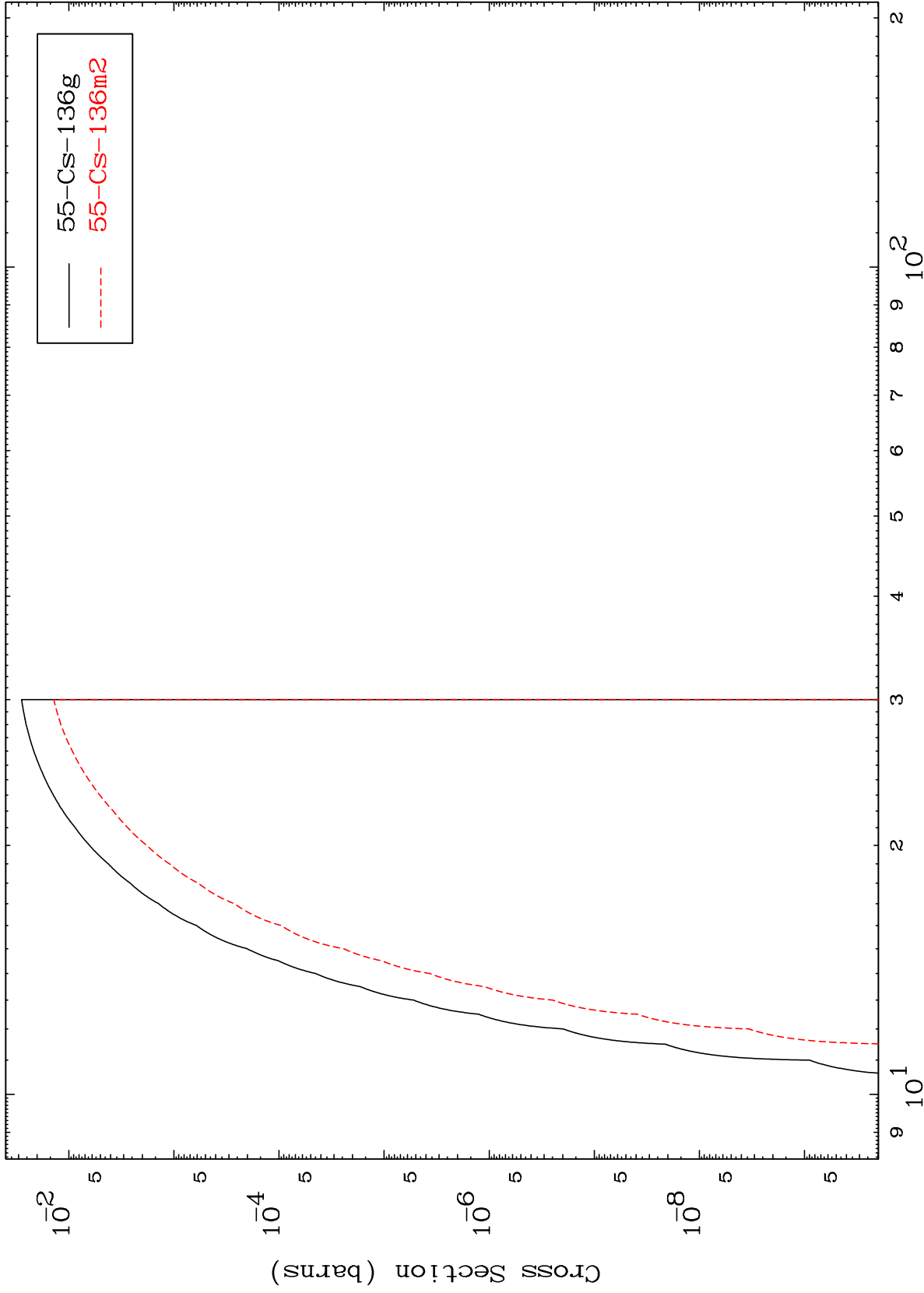
56-Ba-137

MAT 5646

(n,n') p

56-Ba-137

Radionuclide Production Cross Section

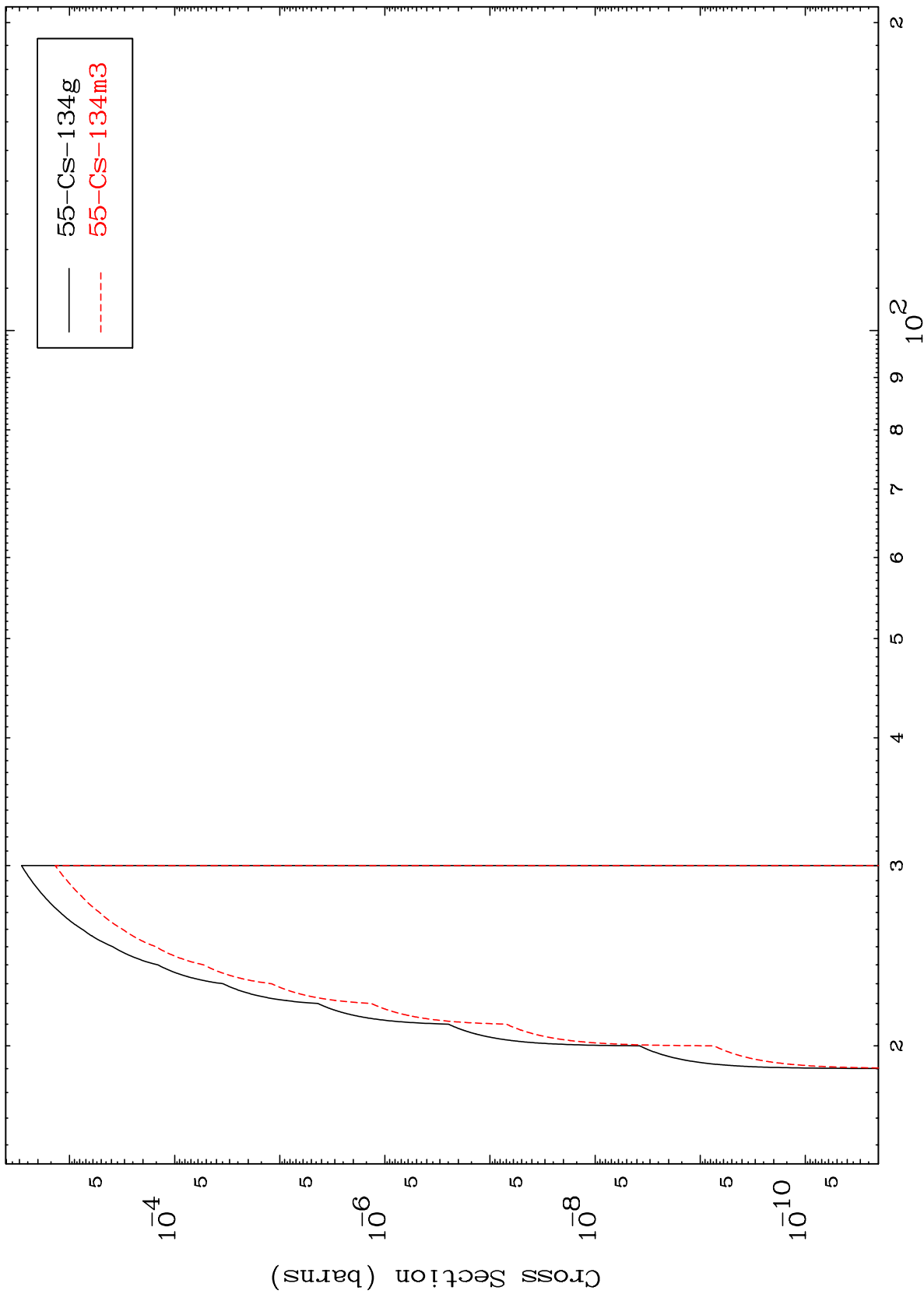


147

Incident Energy (MeV)

56-Ba-137

Radionuclide Production Cross Section

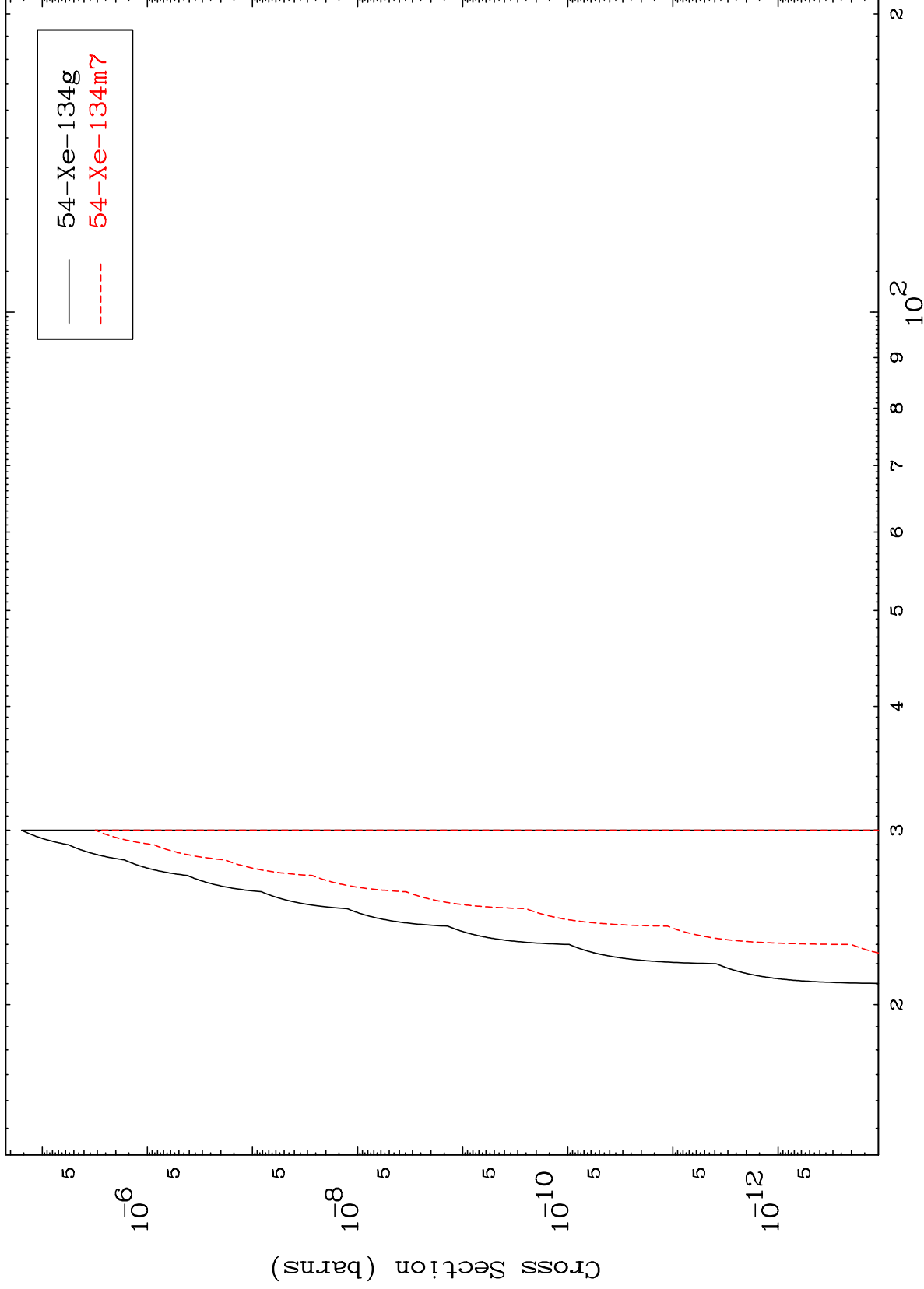


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(n,n') He-3

56-Ba-137

Radionuclide Production Cross Section



149

Incident Energy (MeV)

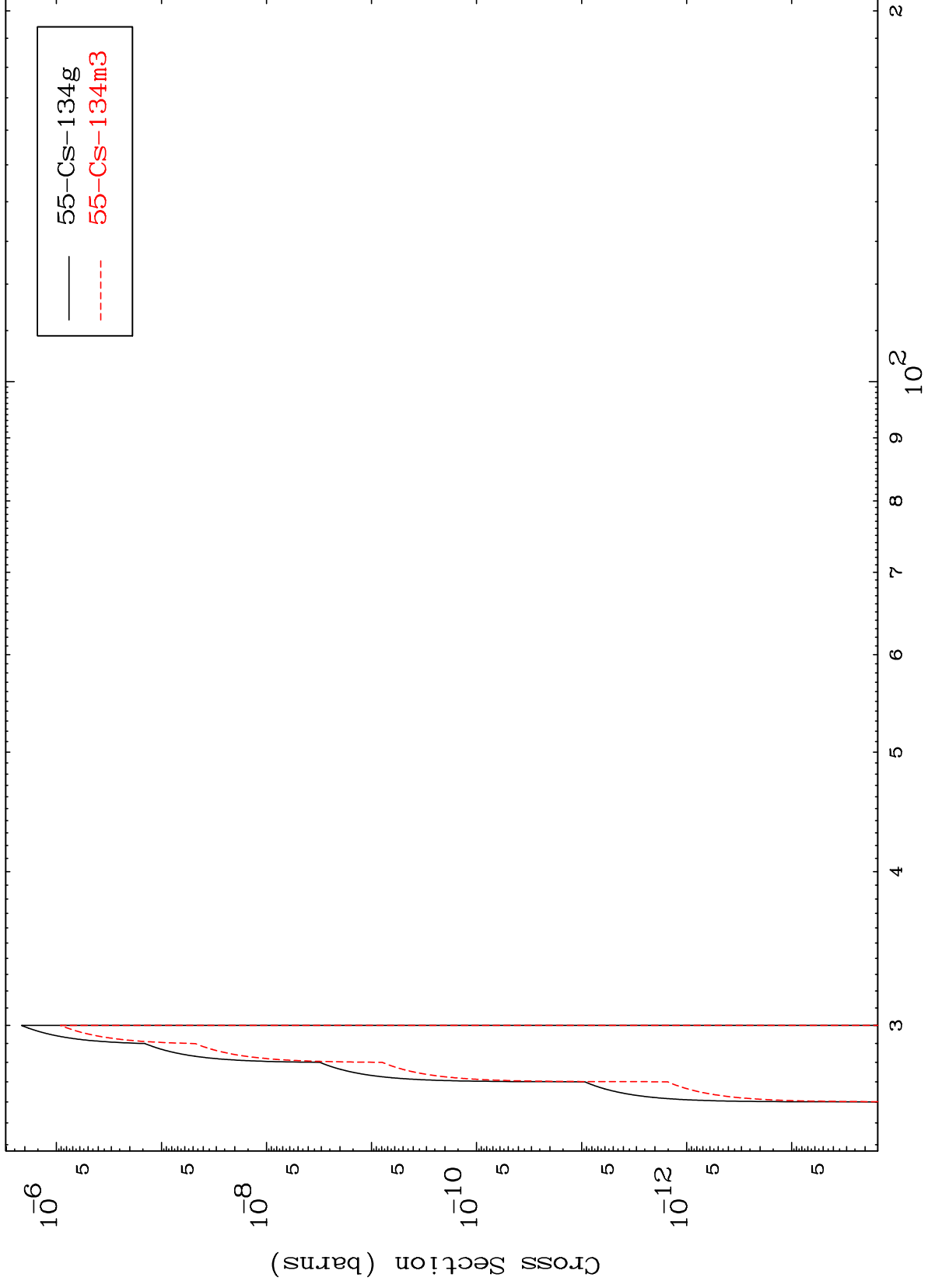
56-Ba-137

MAT 5646

(n,3n) p

56-Ba-137

Radionuclide Production Cross Section



150

Incident Energy (MeV)

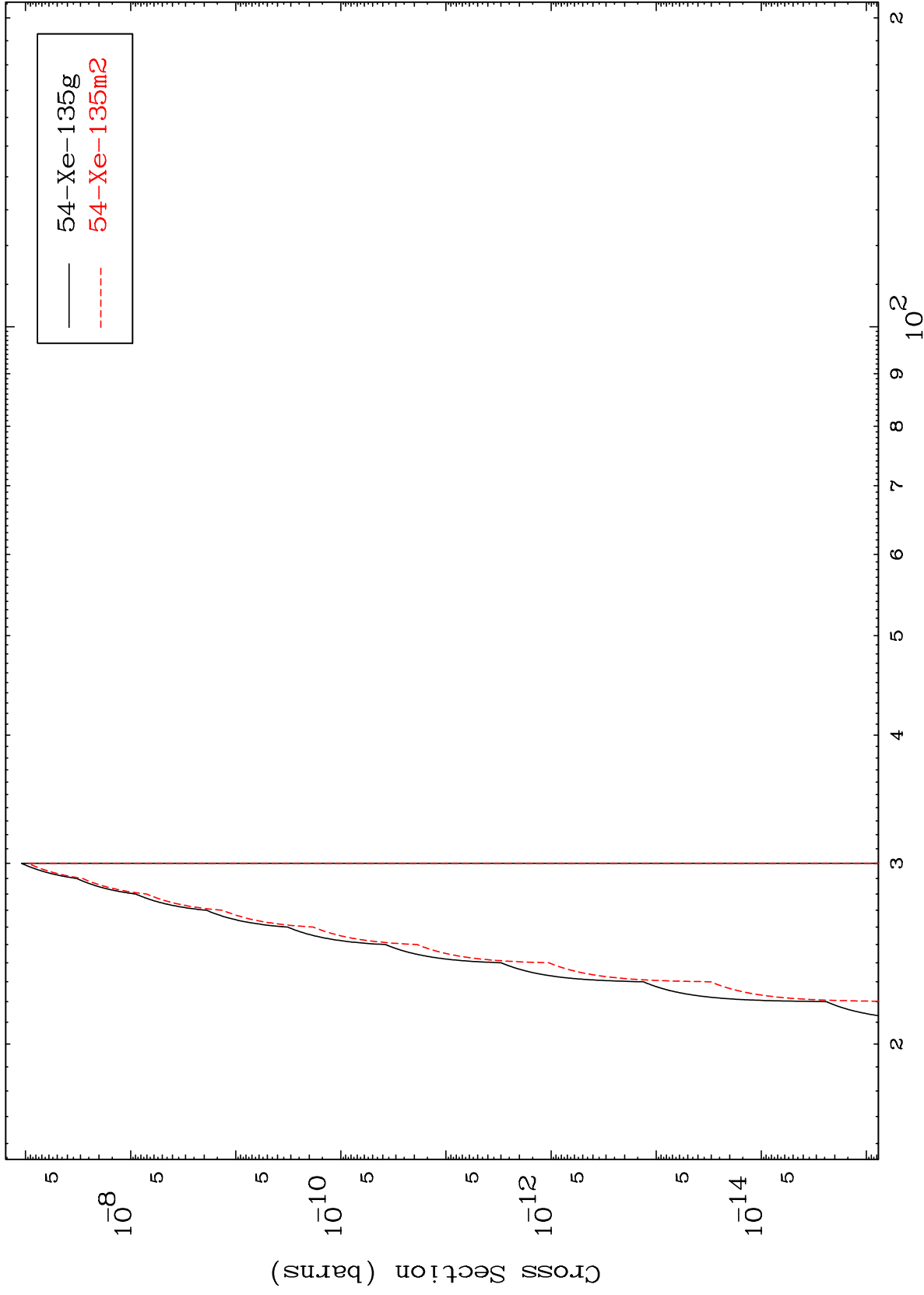
56-Ba-137

MAT 5646

(n,2n) p

56-Ba-137

Radionuclide Production Cross Section



151

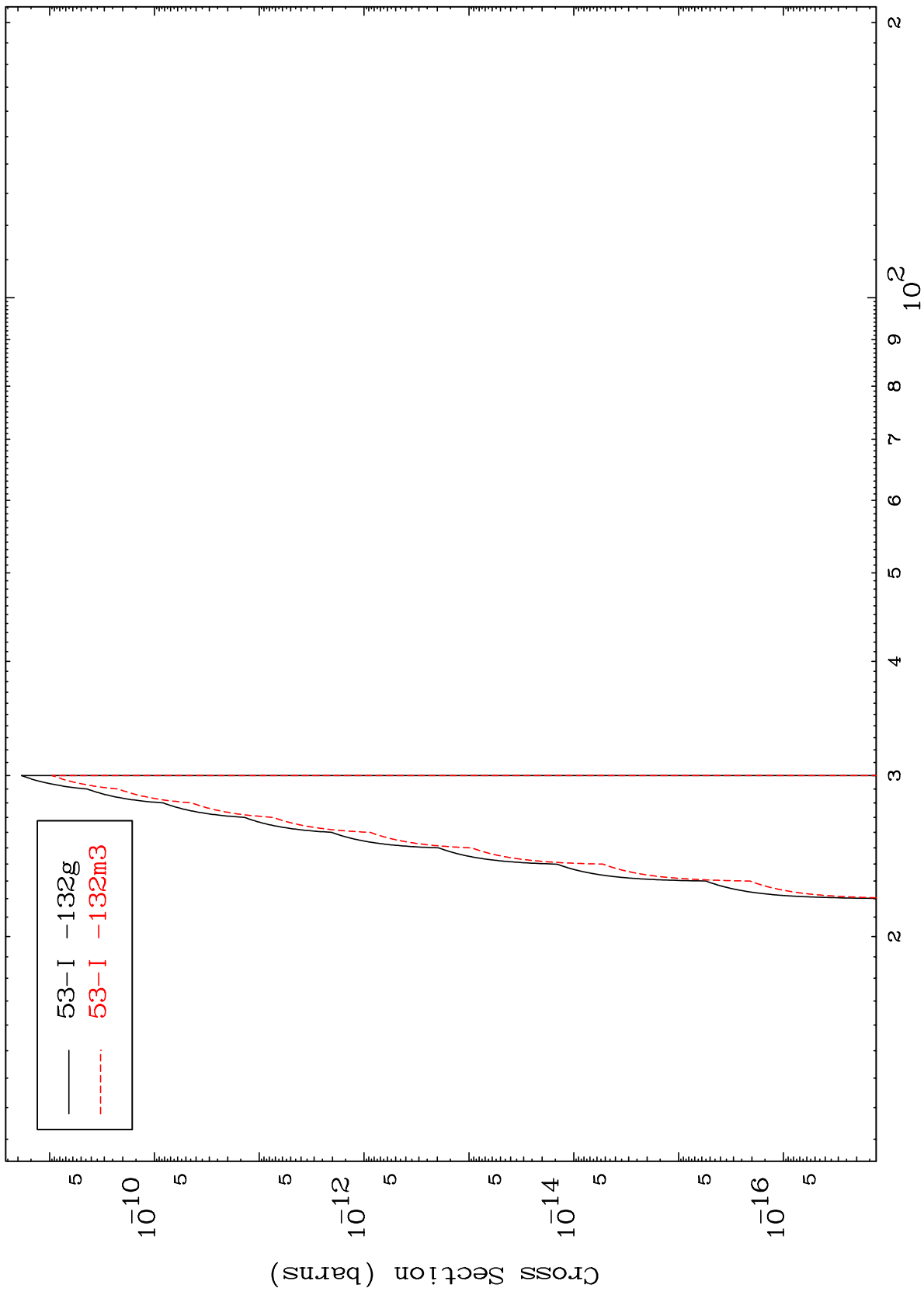
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



152

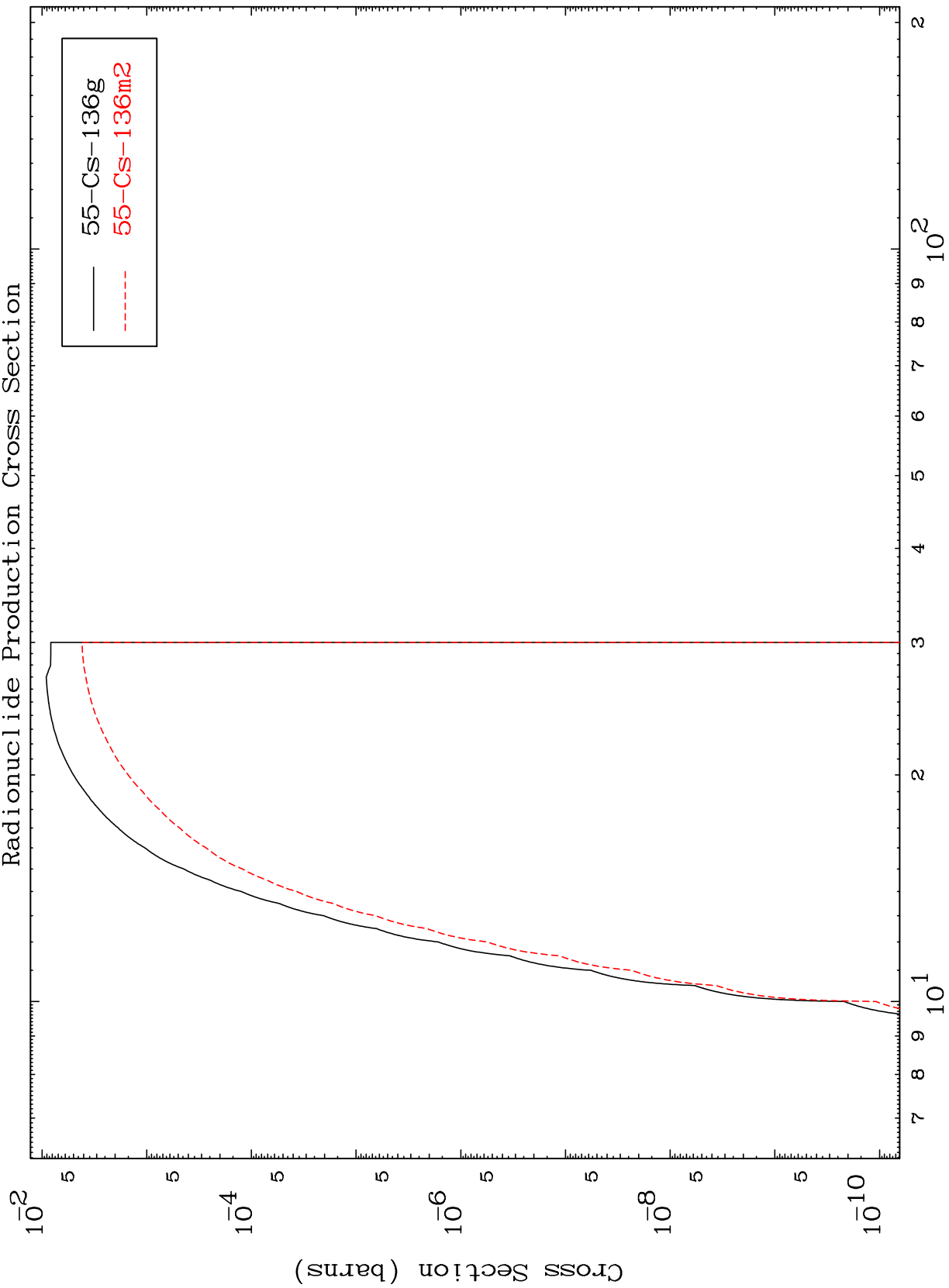
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,d)  
Radionuclide Production Cross Section



153

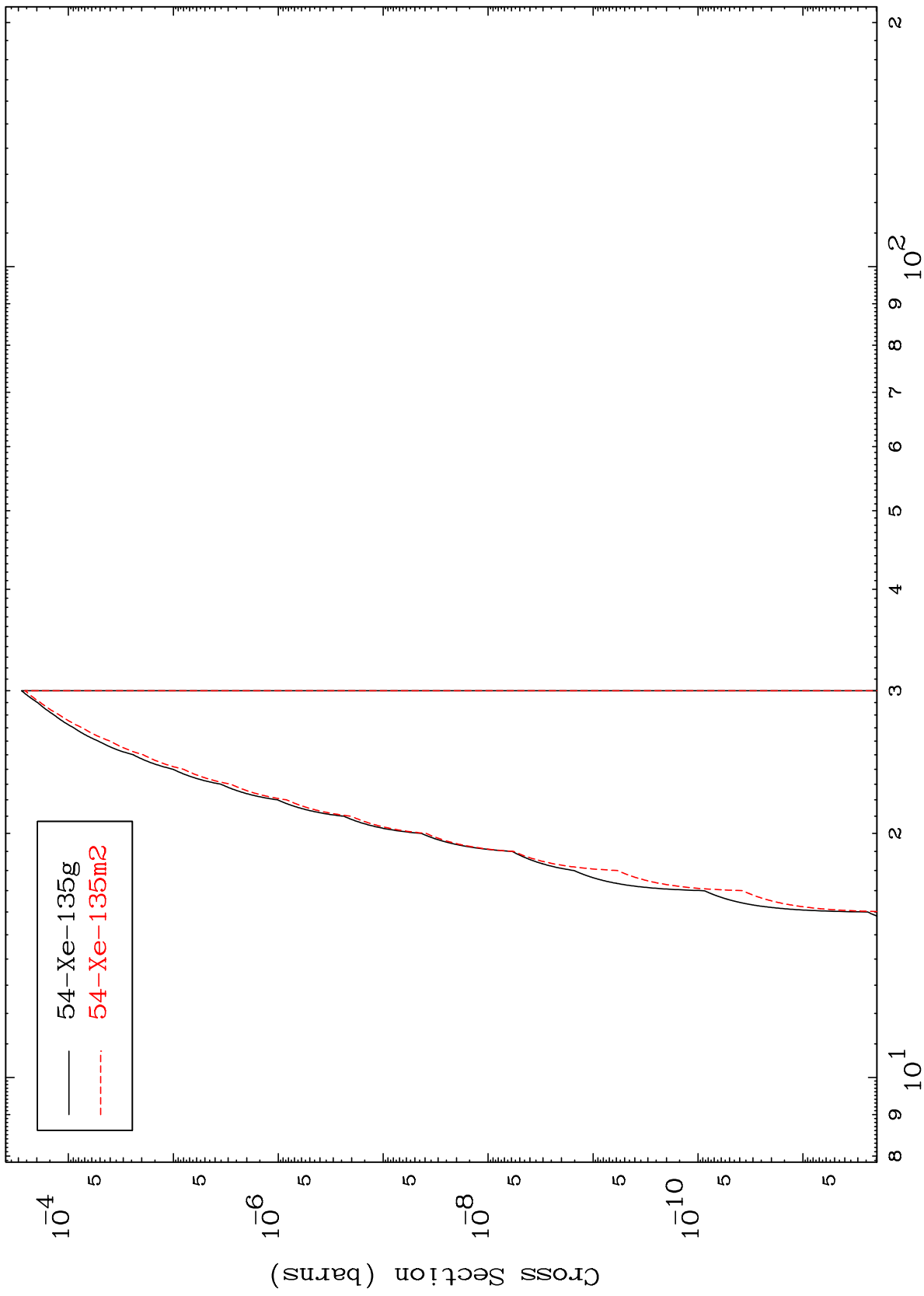
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,He-3)  
Radionuclide Production Cross Section



154

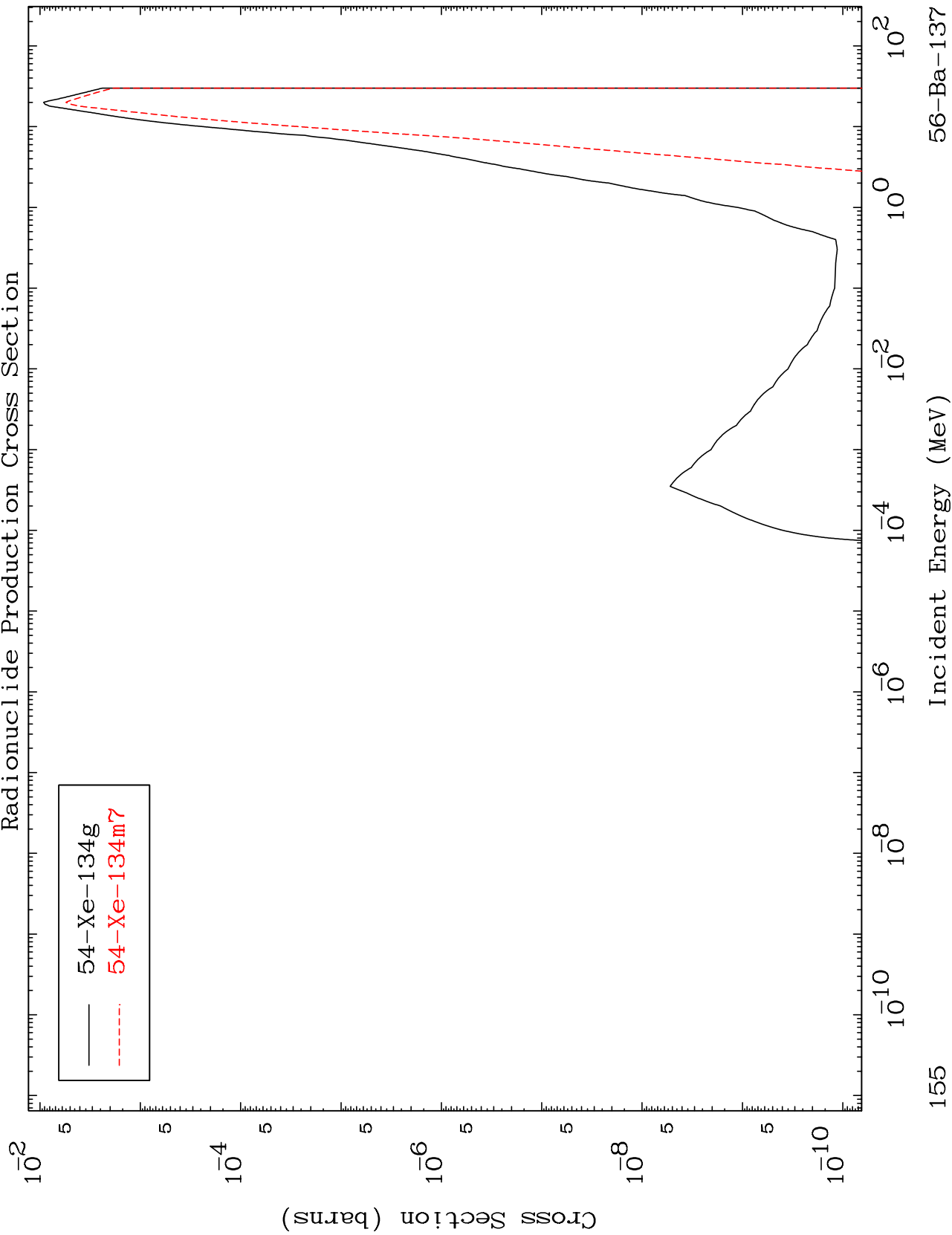
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

Radionuclide Production Cross Section

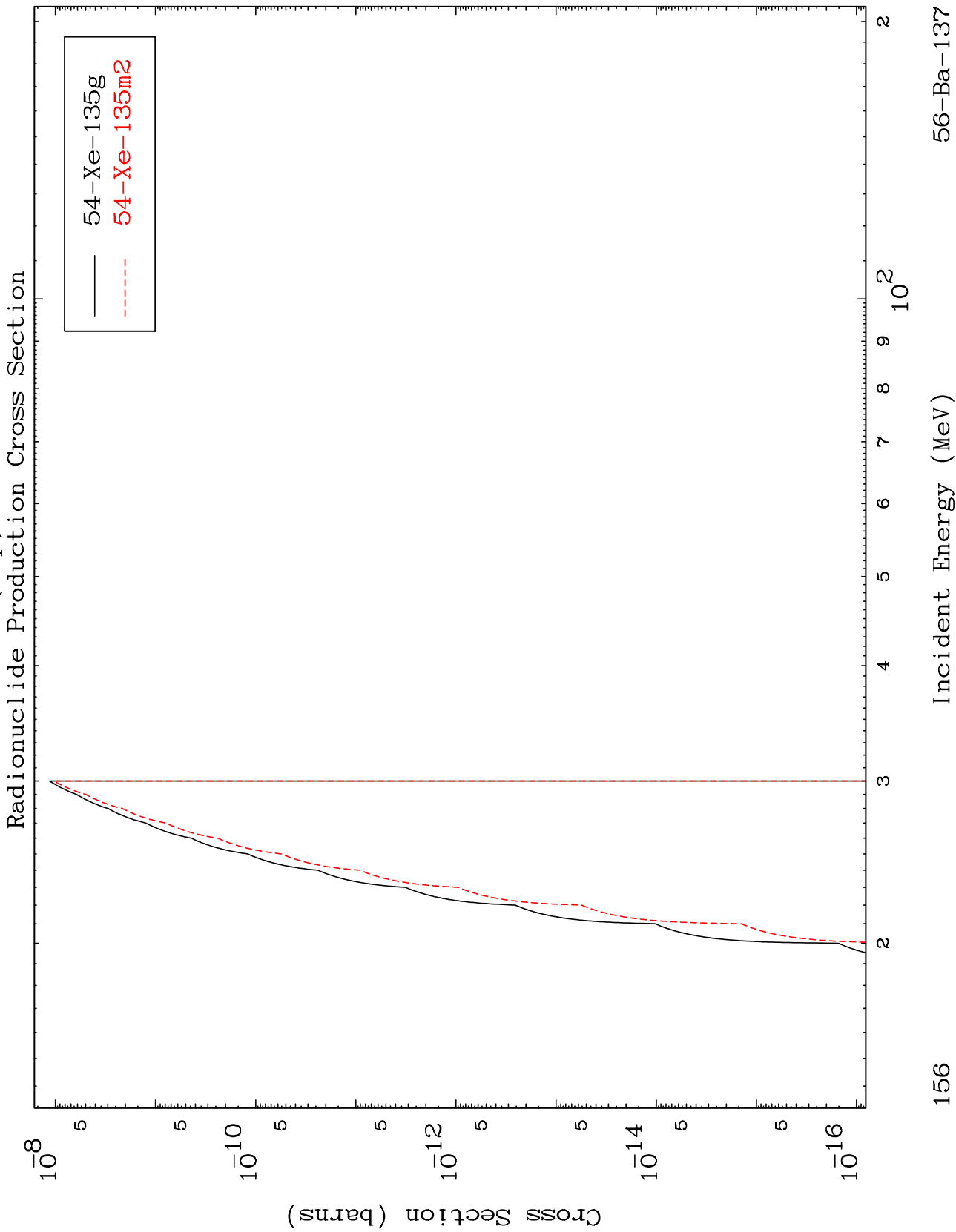


155

MAT 5646

(n,p) d

56-Ba-137



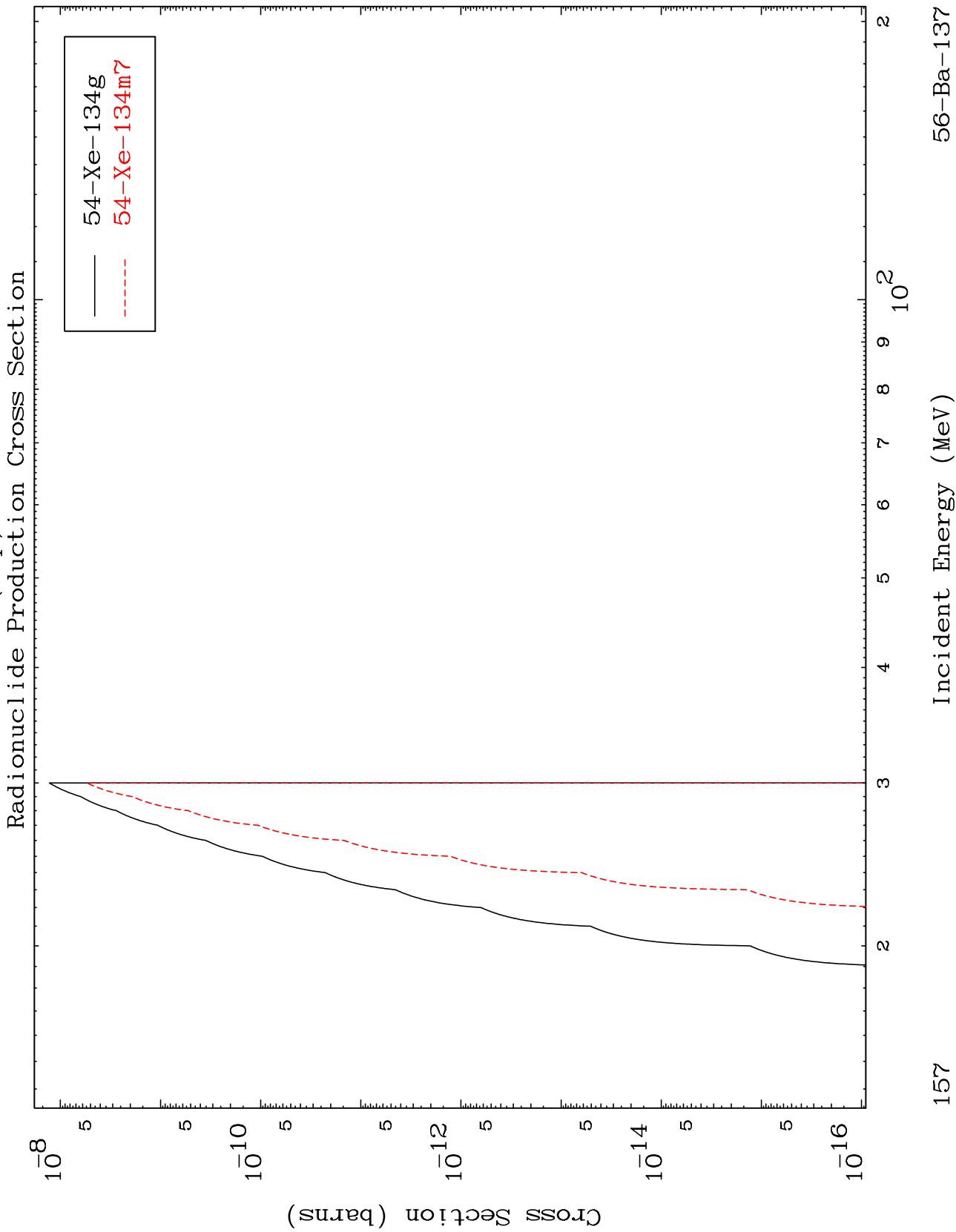
156

56-Ba-137

MAT 5646

(n,p) t

56-Ba-137



157

56-Ba-137