

Program EVALPLOT  
(Version 2021-1)

by

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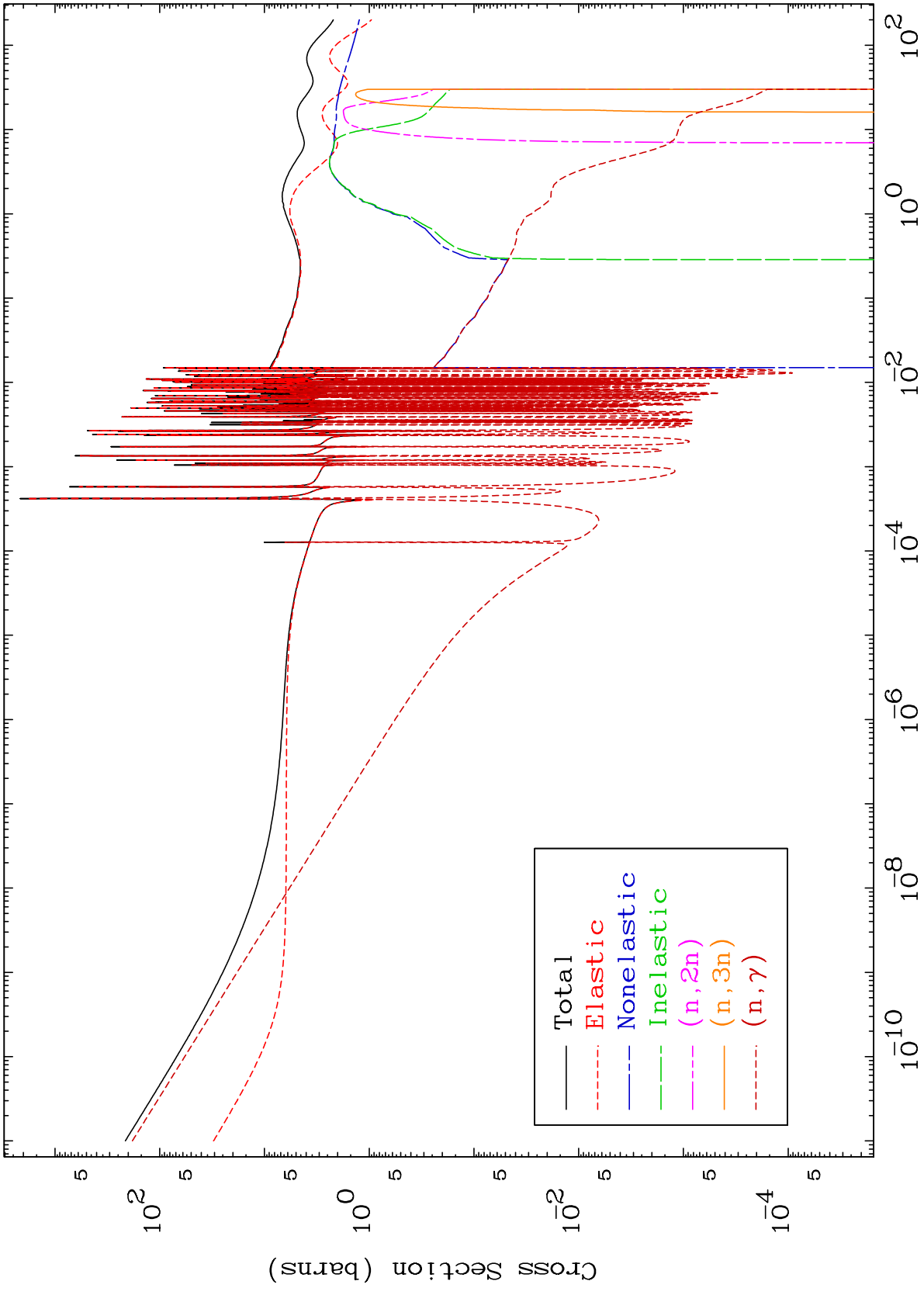
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5646

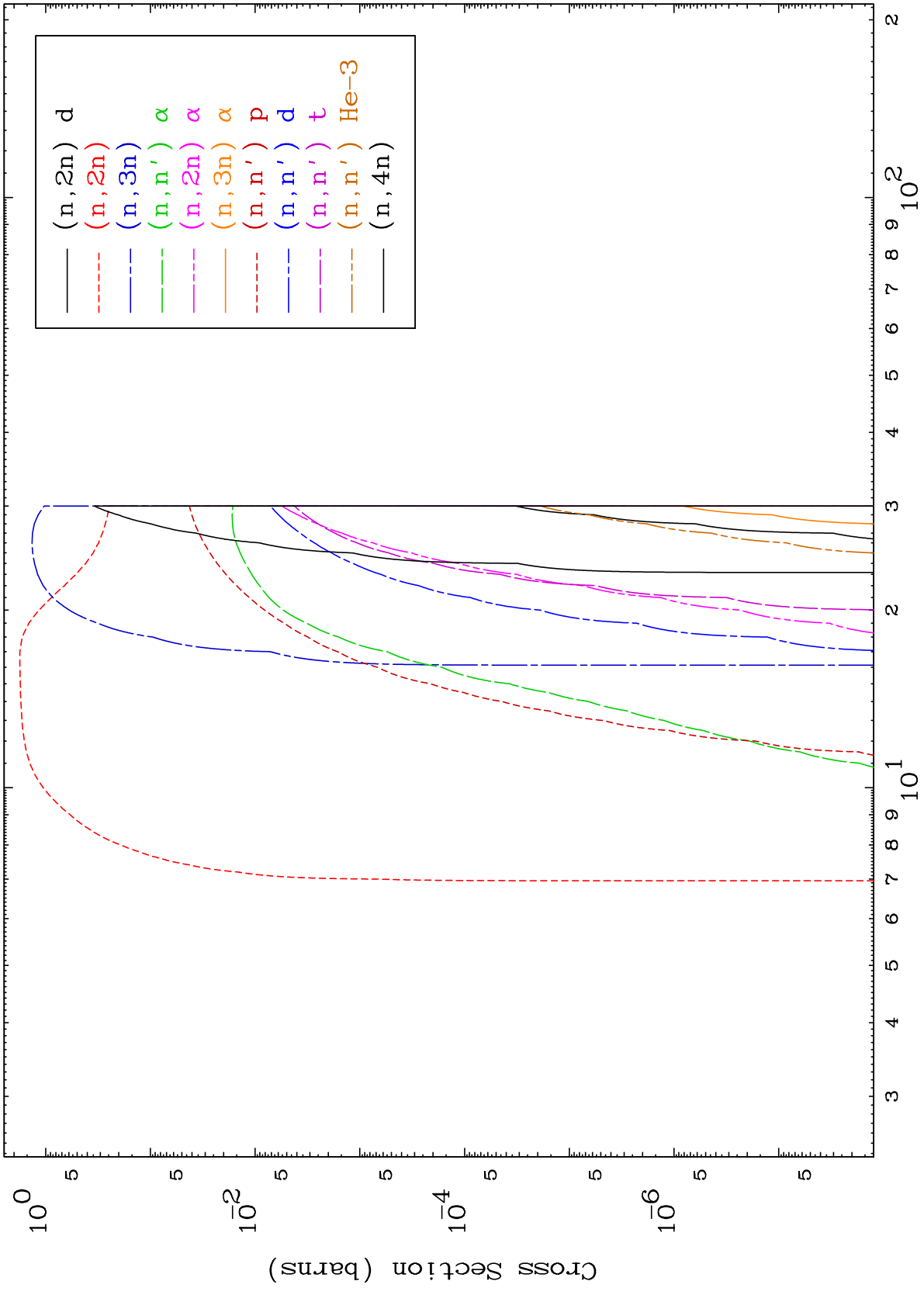
Neutron Major  
293 Kelvin Cross Sections

56-Ba-137



56-Ba-137

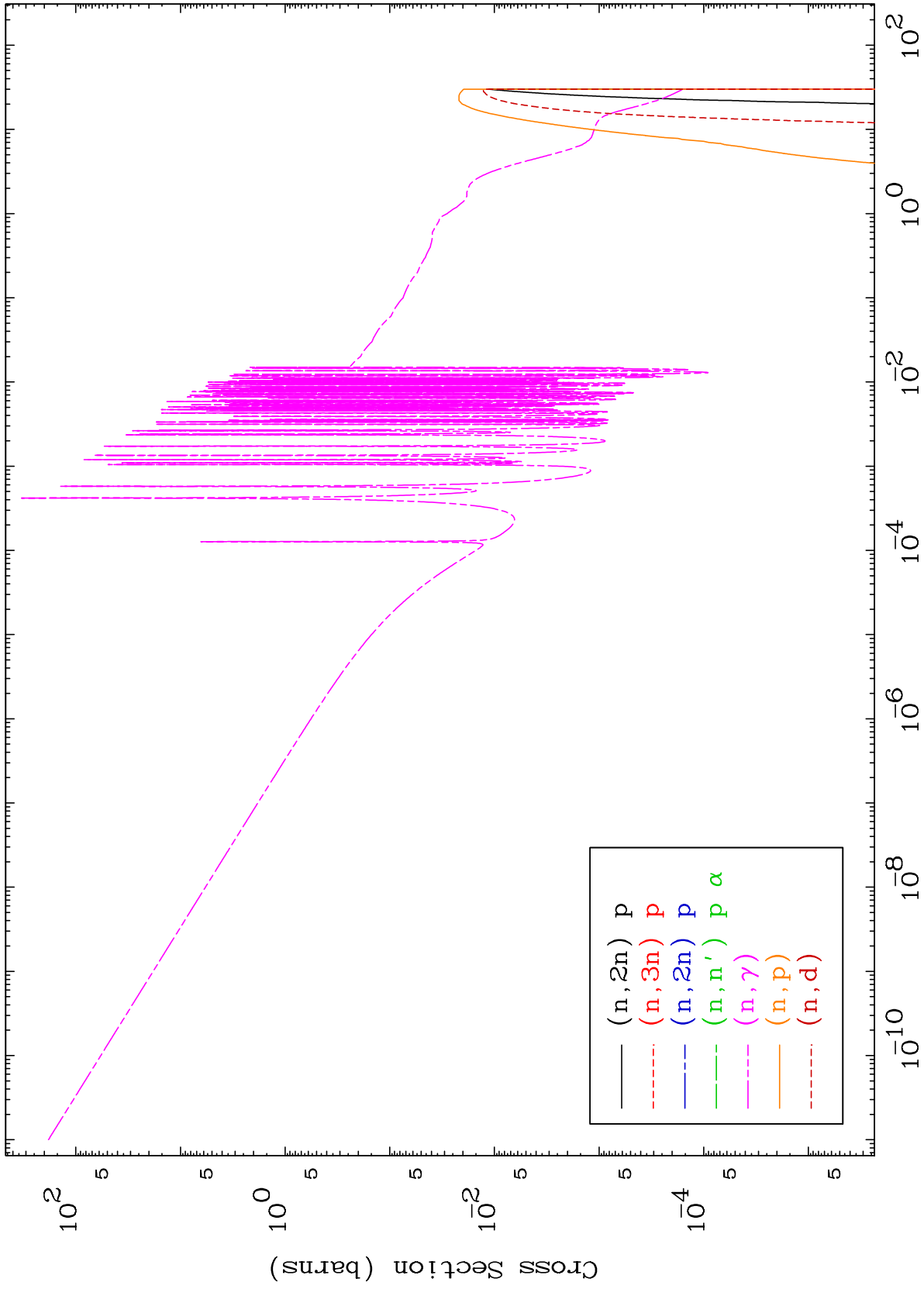
Incident Energy (MeV)



MAT 5646

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-137

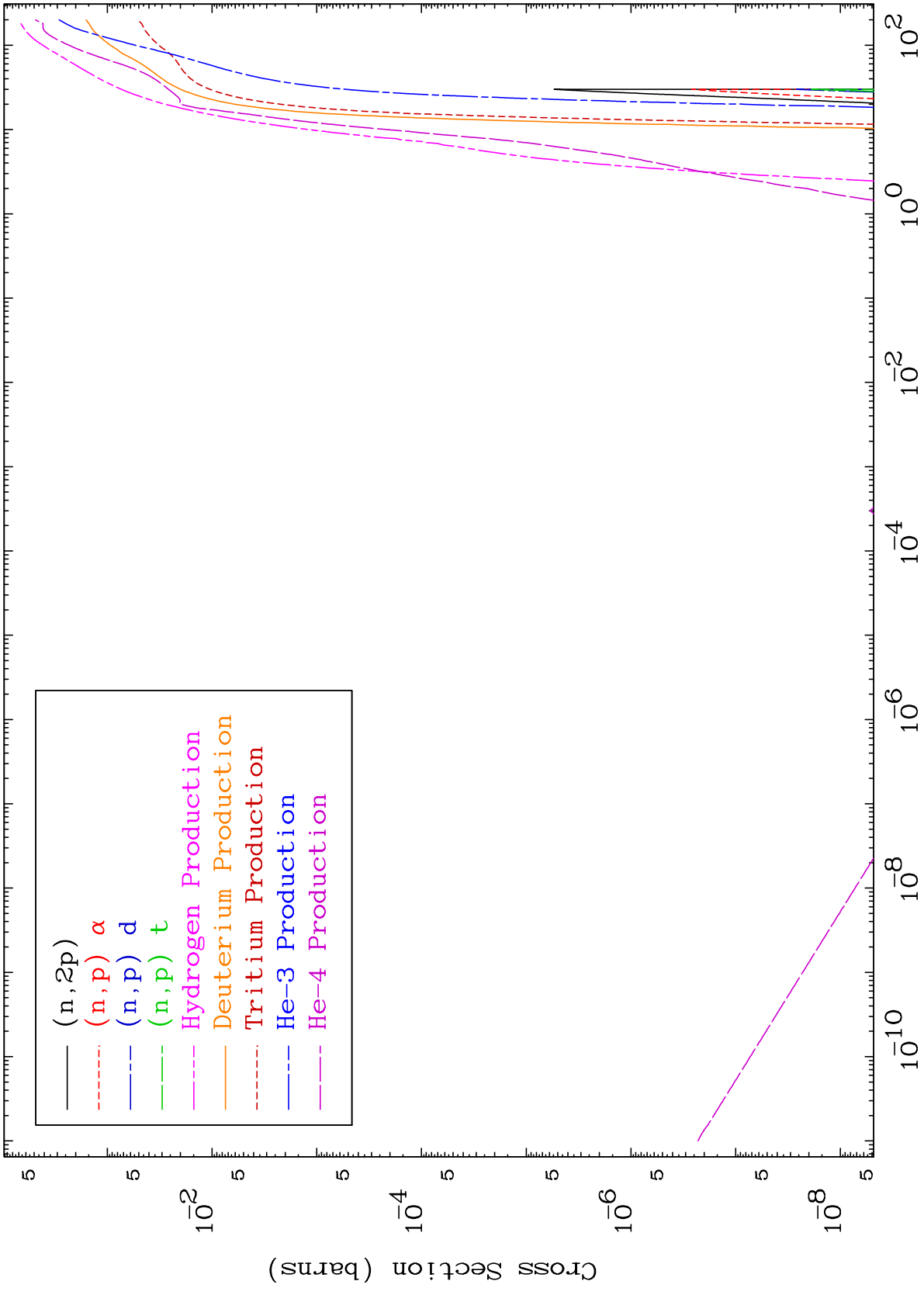


56-Ba-137

MAT 5646

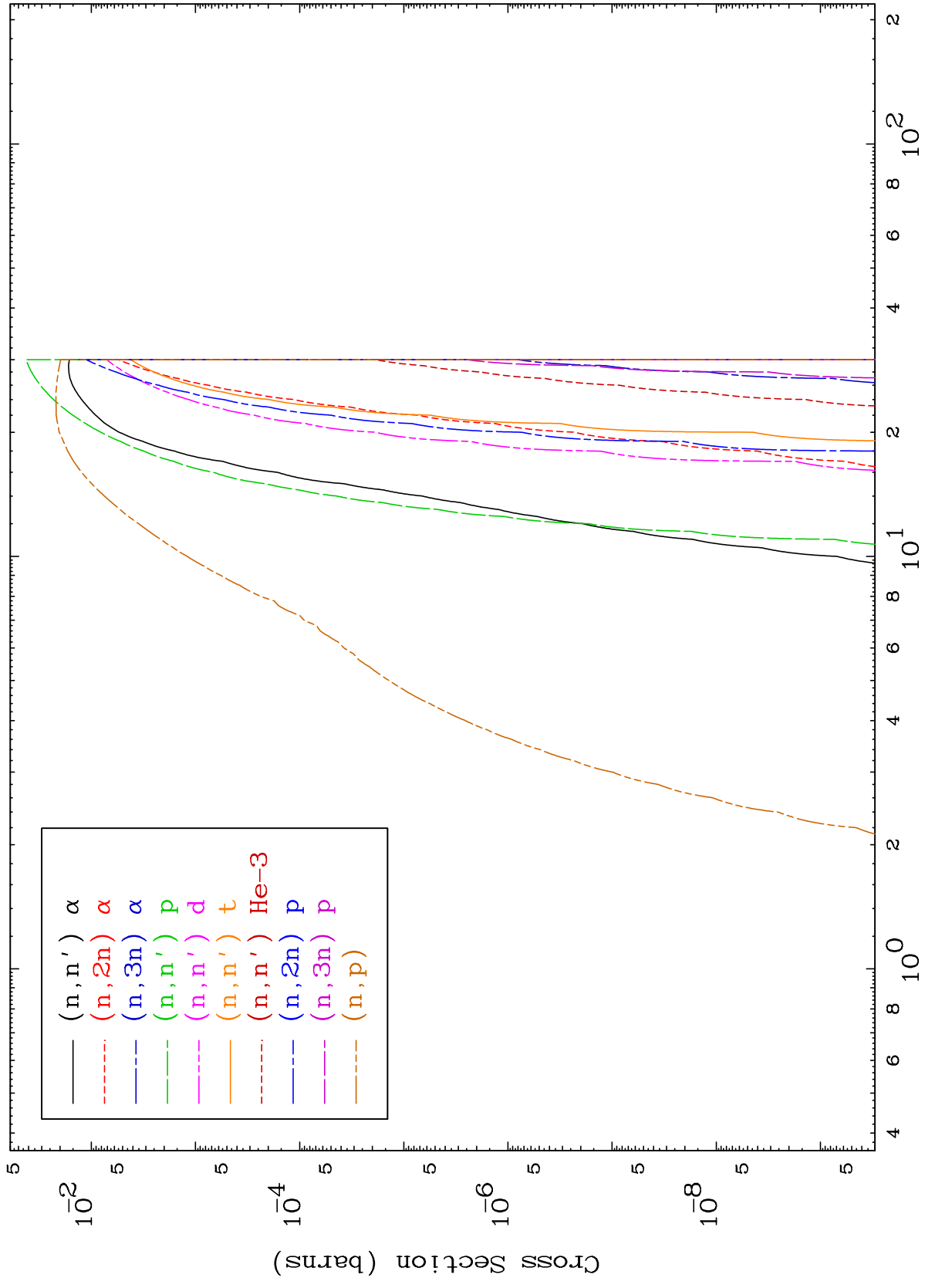
Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-137



56-Ba-137

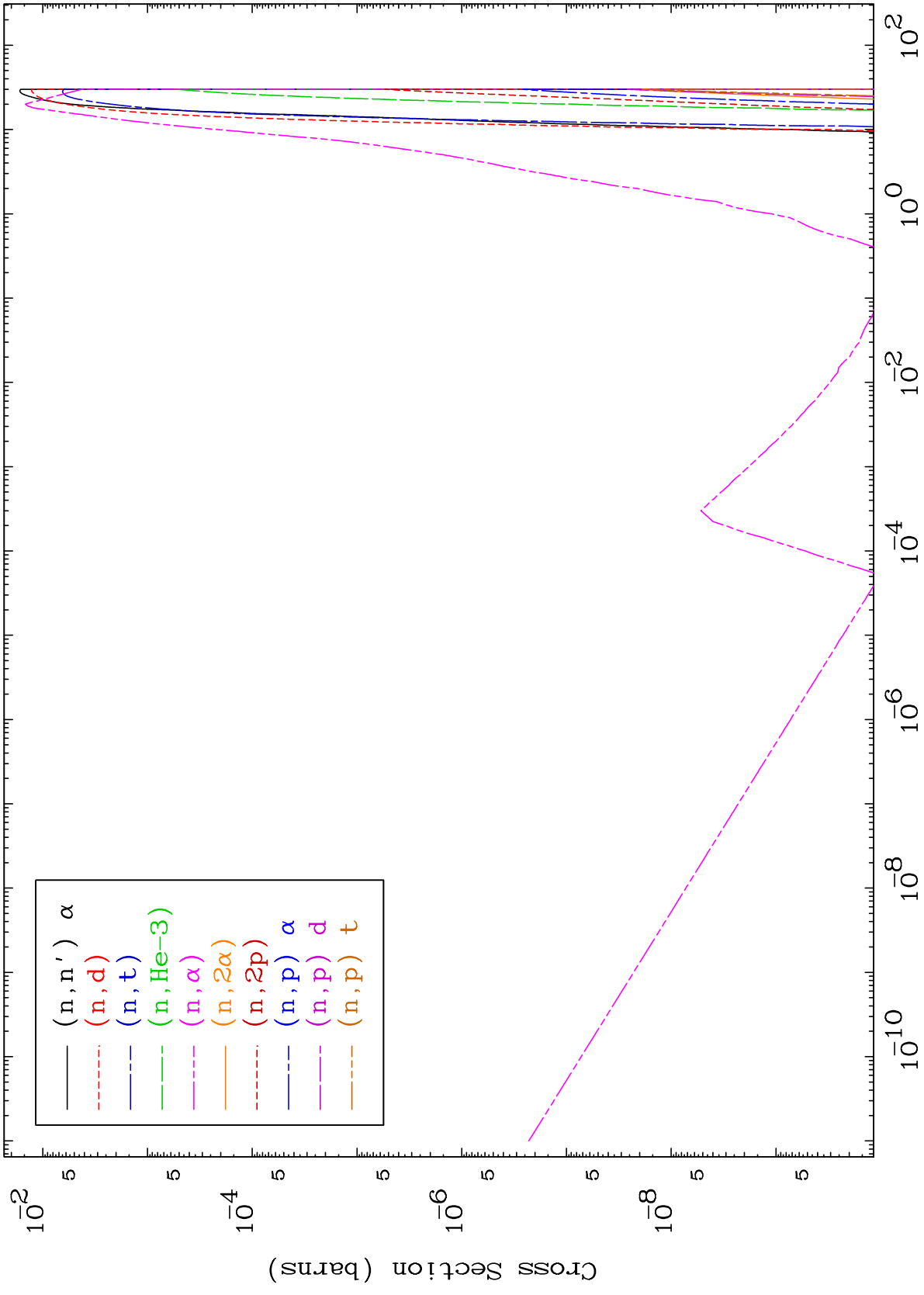
Incident Energy (MeV)



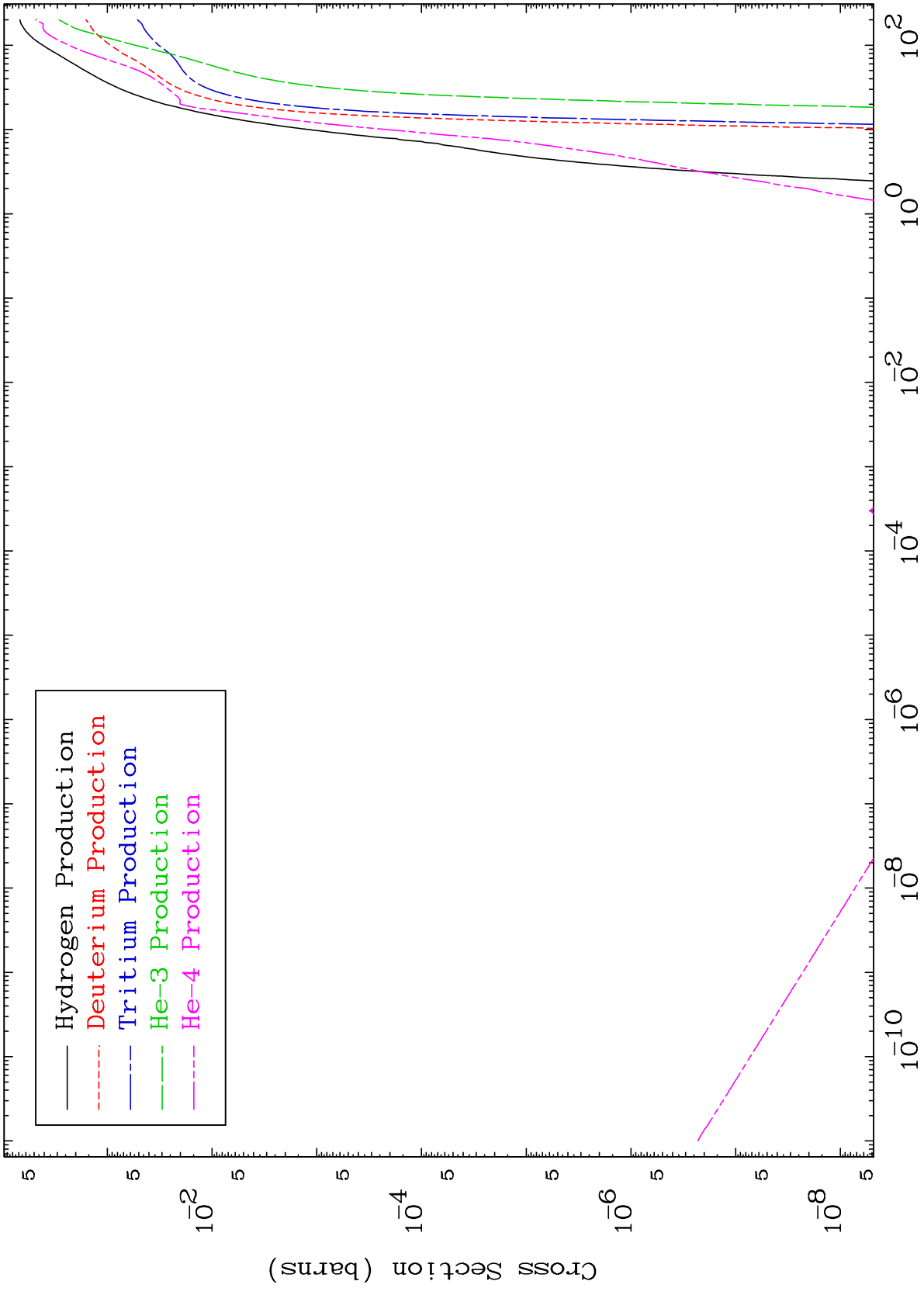
MAT 5646

293 Charged Particle  
Kelvin Cross Sections

56-Ba-137



56-Ba-137

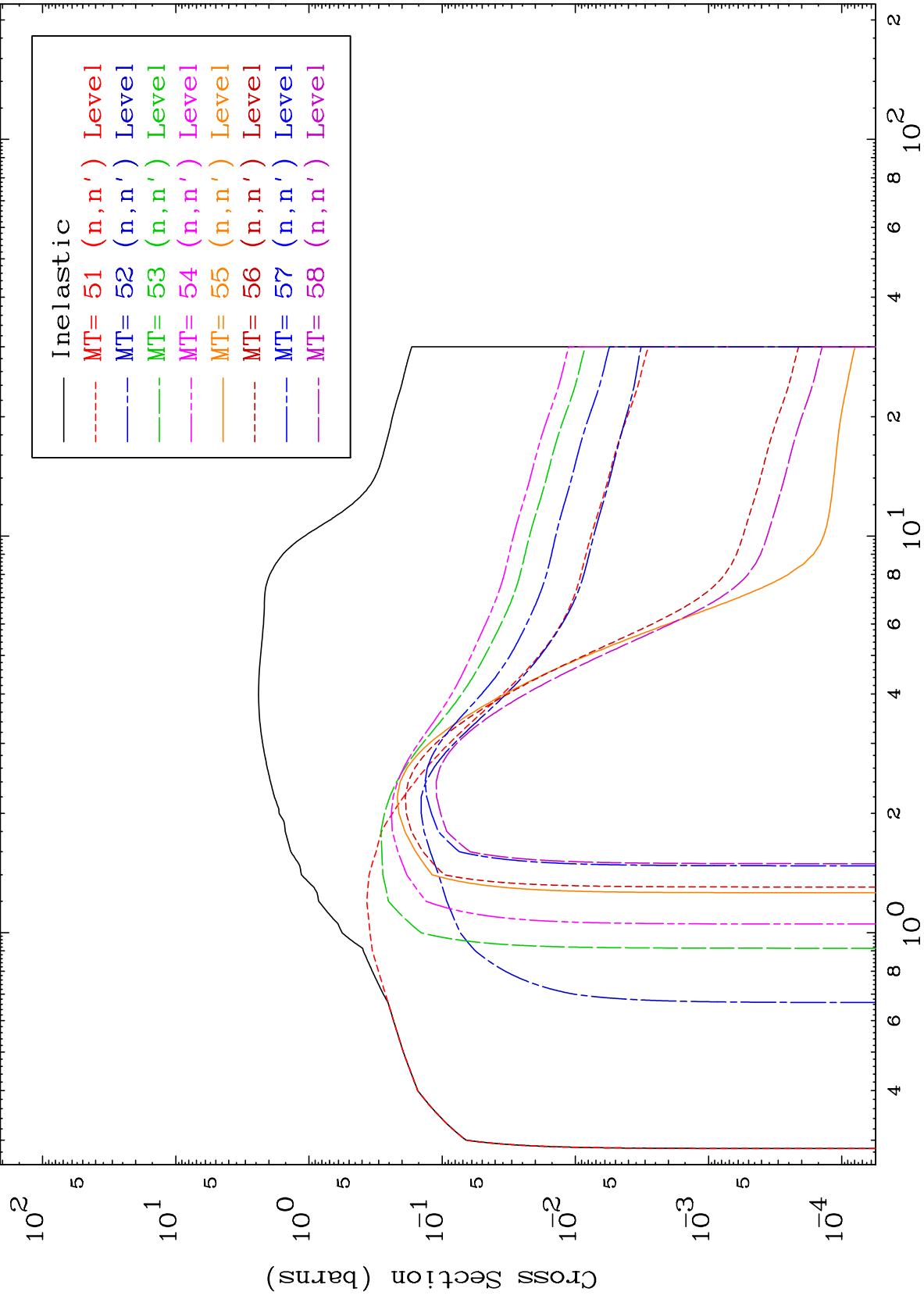




MAT 5646

(n,n') Levels  
293 Kelvin Cross Sections

56-Ba-137



8

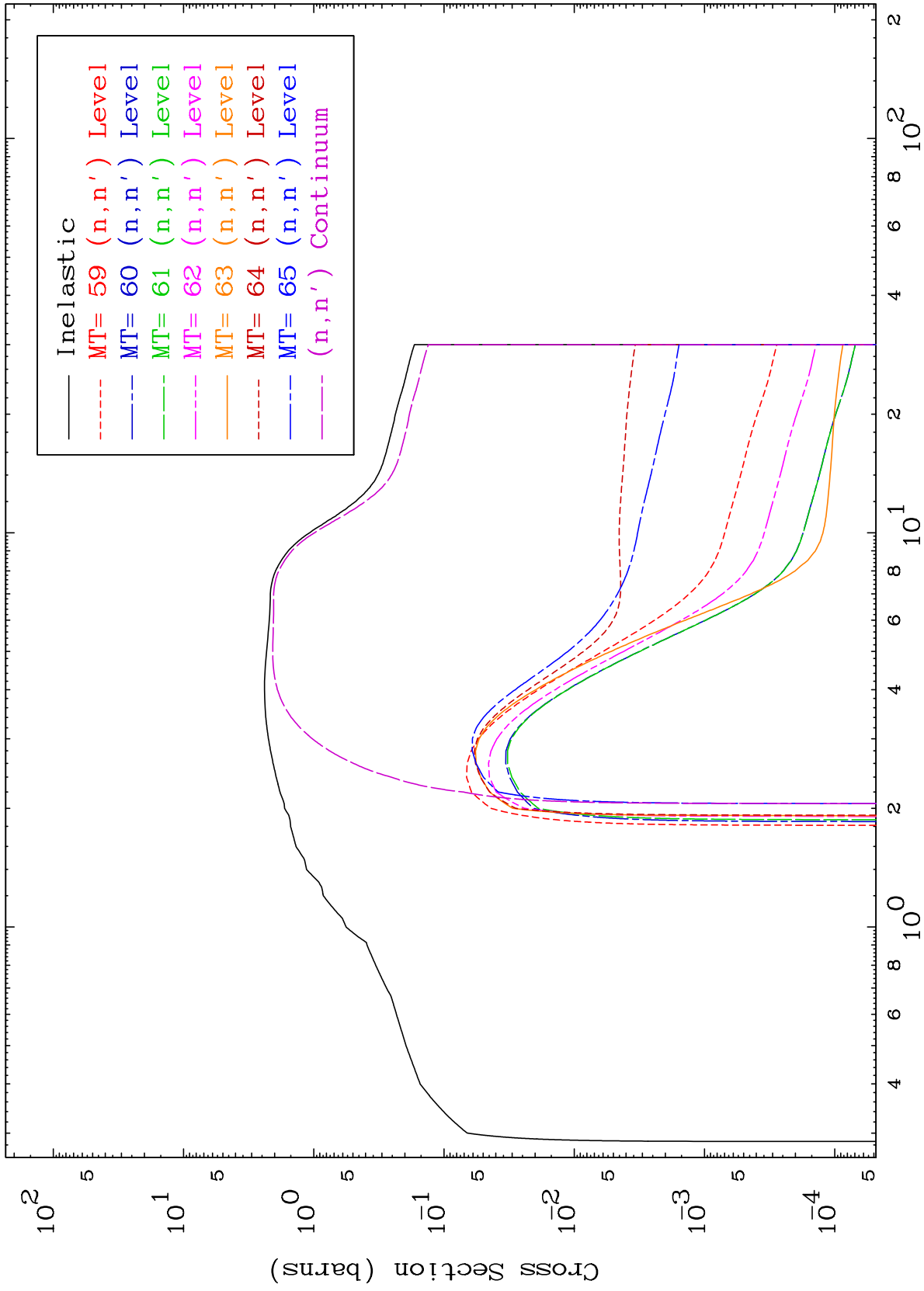
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,n') Levels  
293 Kelvin Cross Sections

56-Ba-137



9

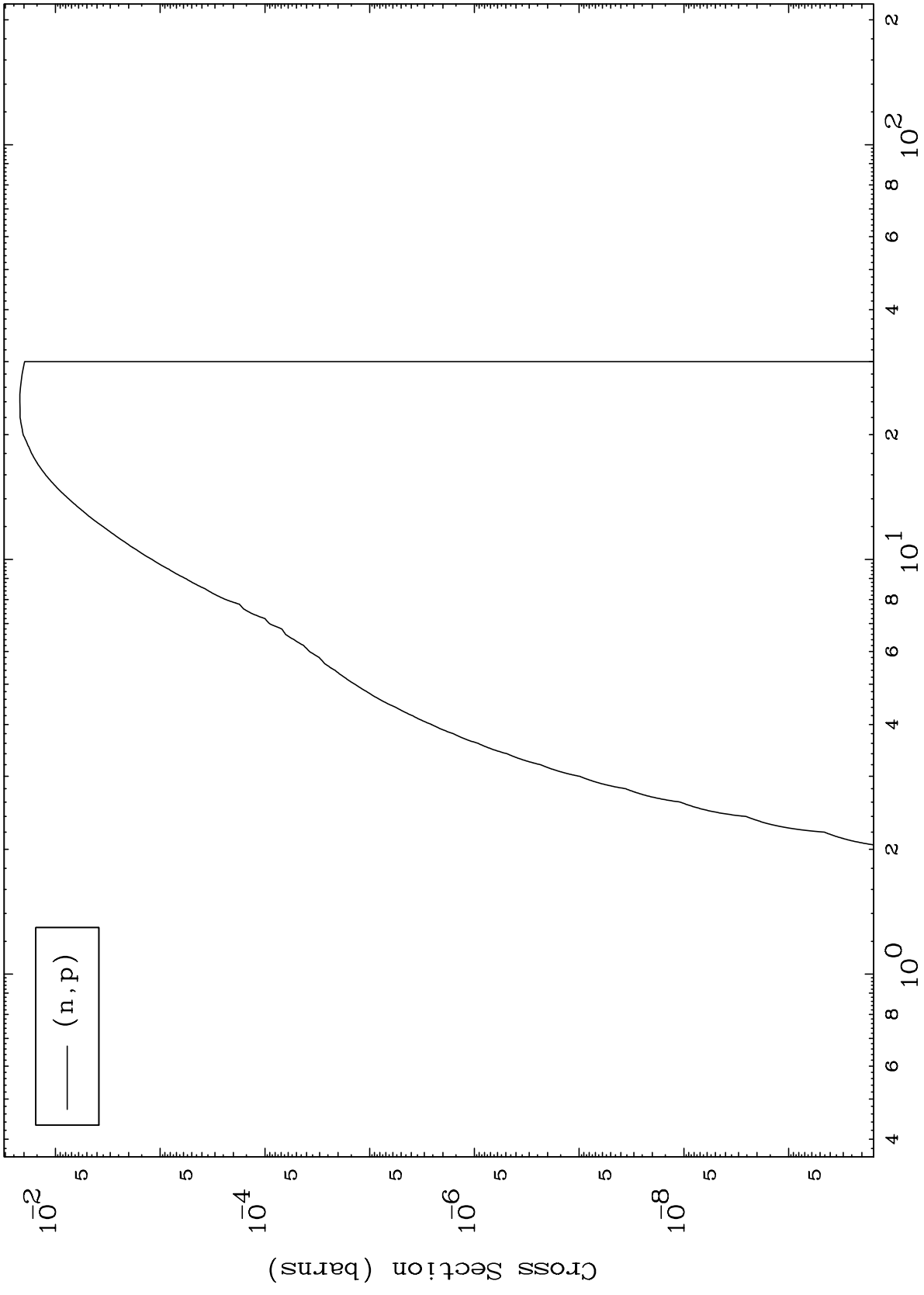
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-137



10

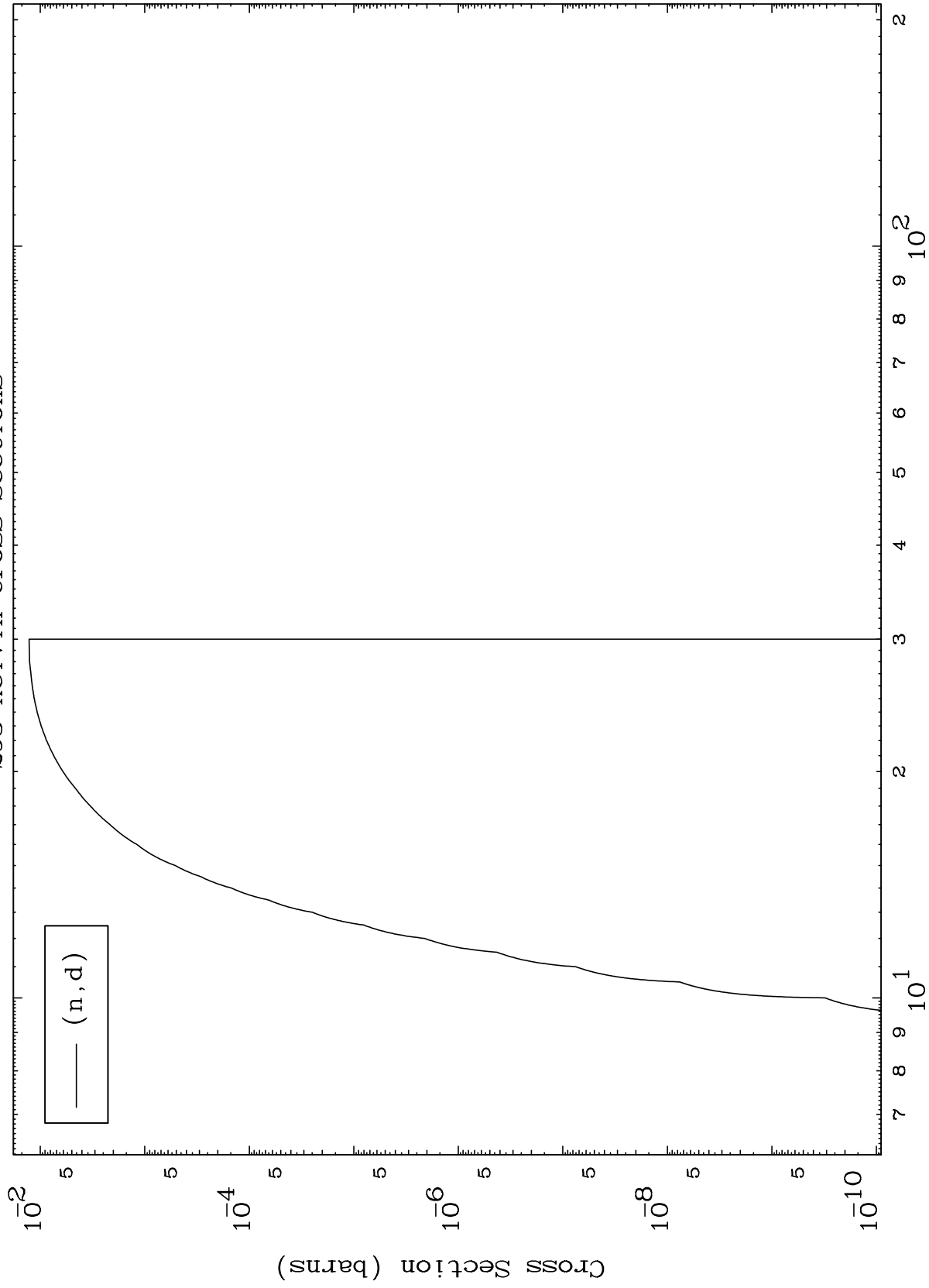
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-137



11

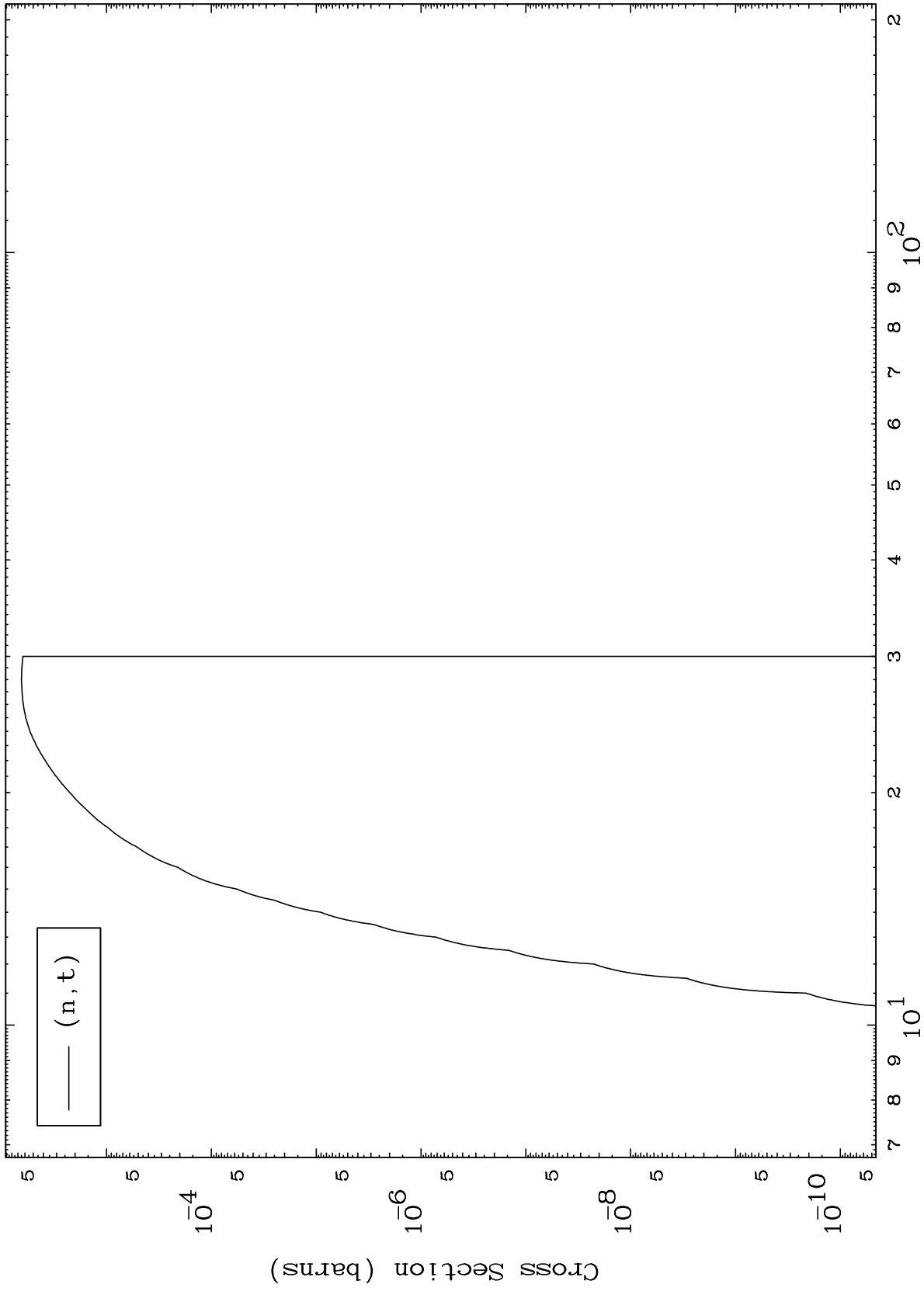
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-137



12

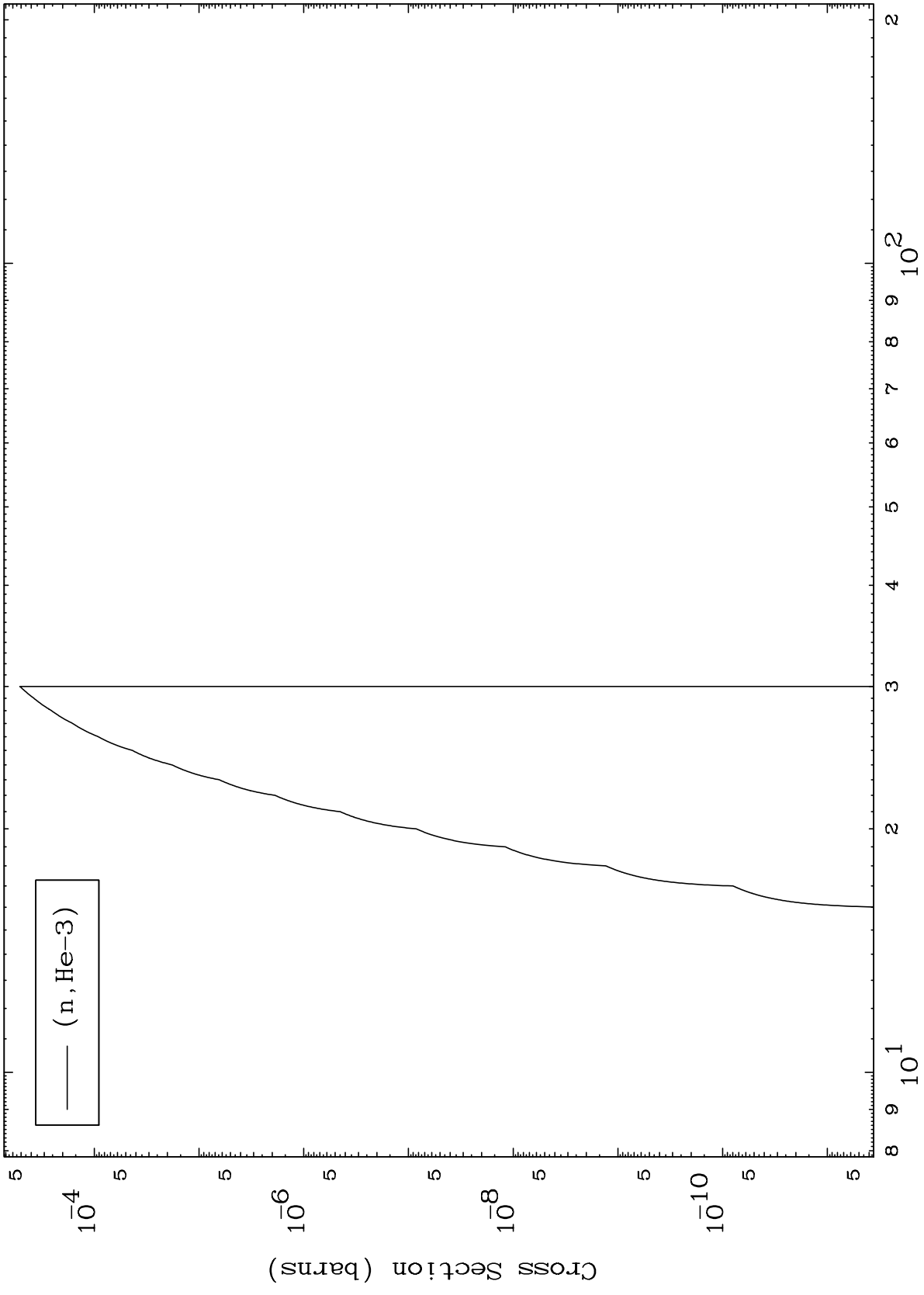
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-137



13

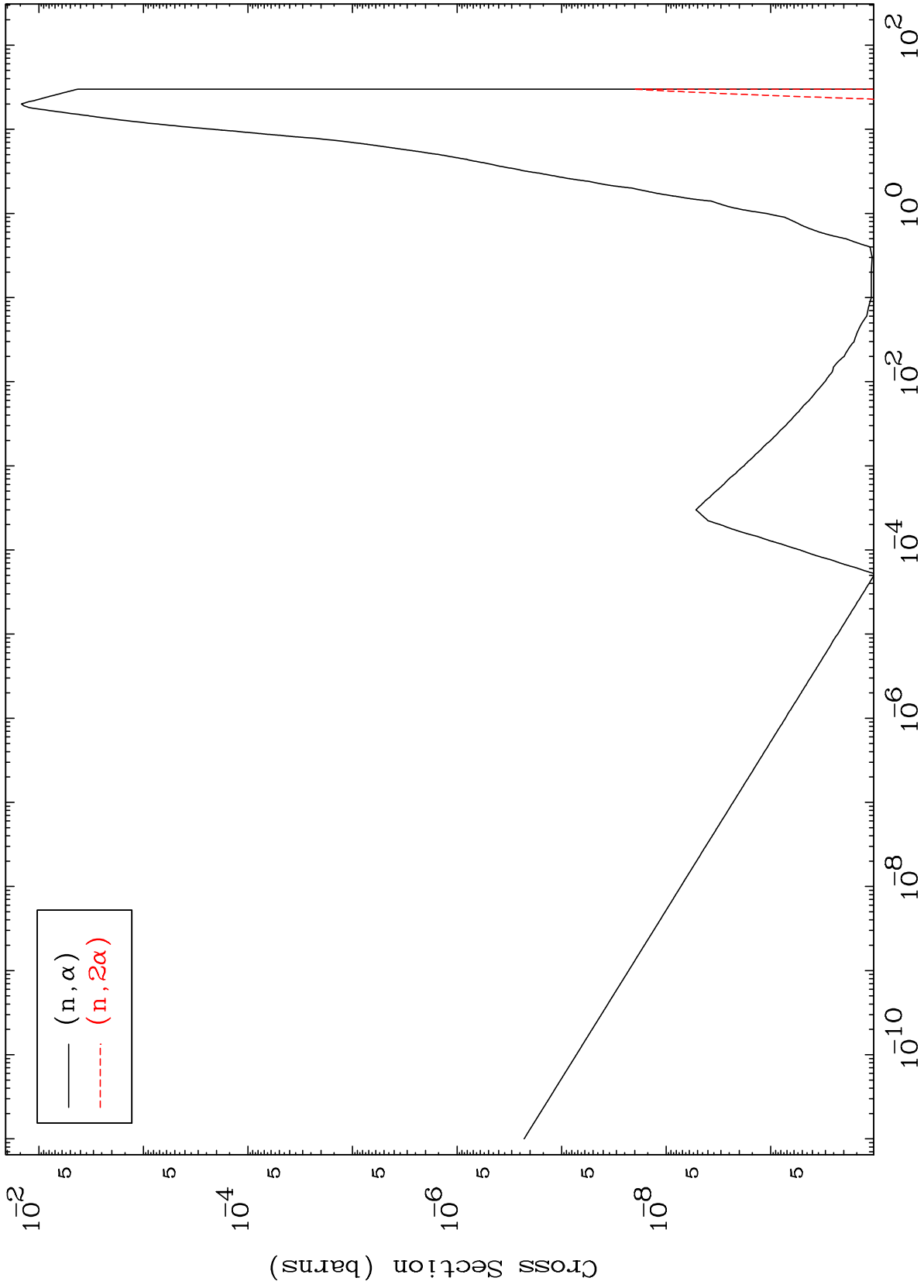
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,α) Levels  
293 Kelvin Cross Sections

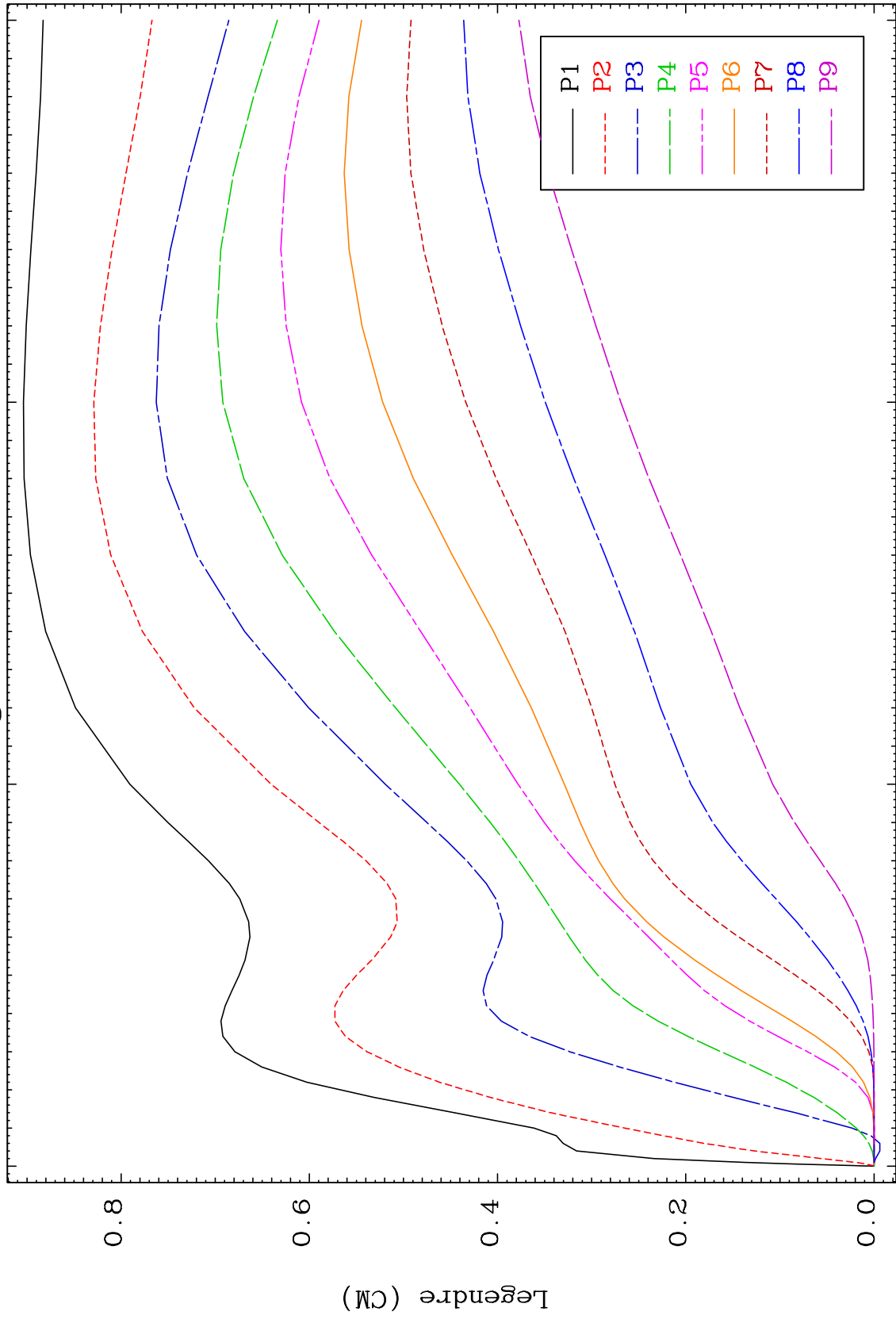
56-Ba-137



MAT 5646

Elastic Legendre Coefficients

56-Ba-137



15

Incident Energy (MeV)

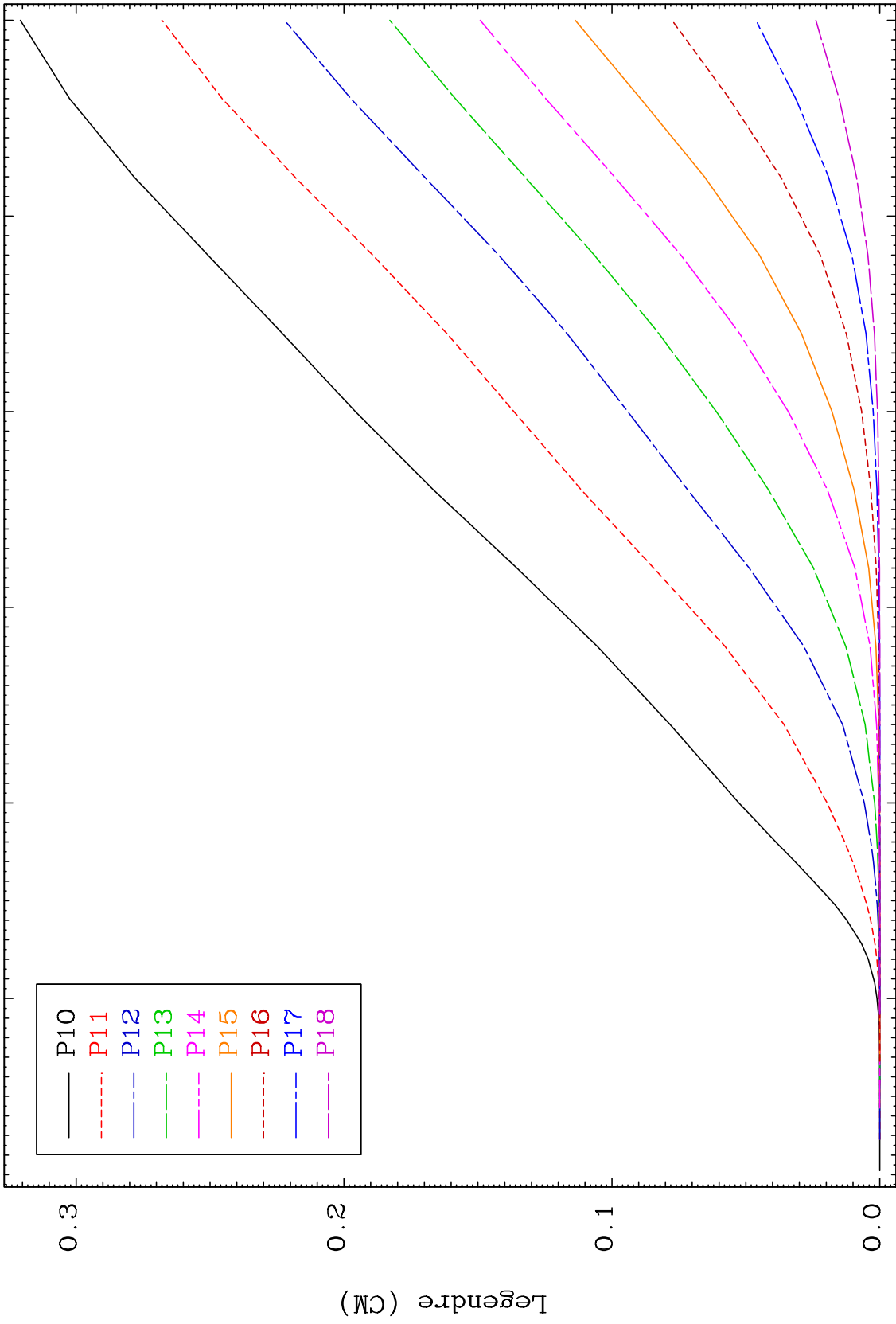
56-Ba-137



MAT 5646

Elastic Legendre Coefficients

56-Ba-137



16

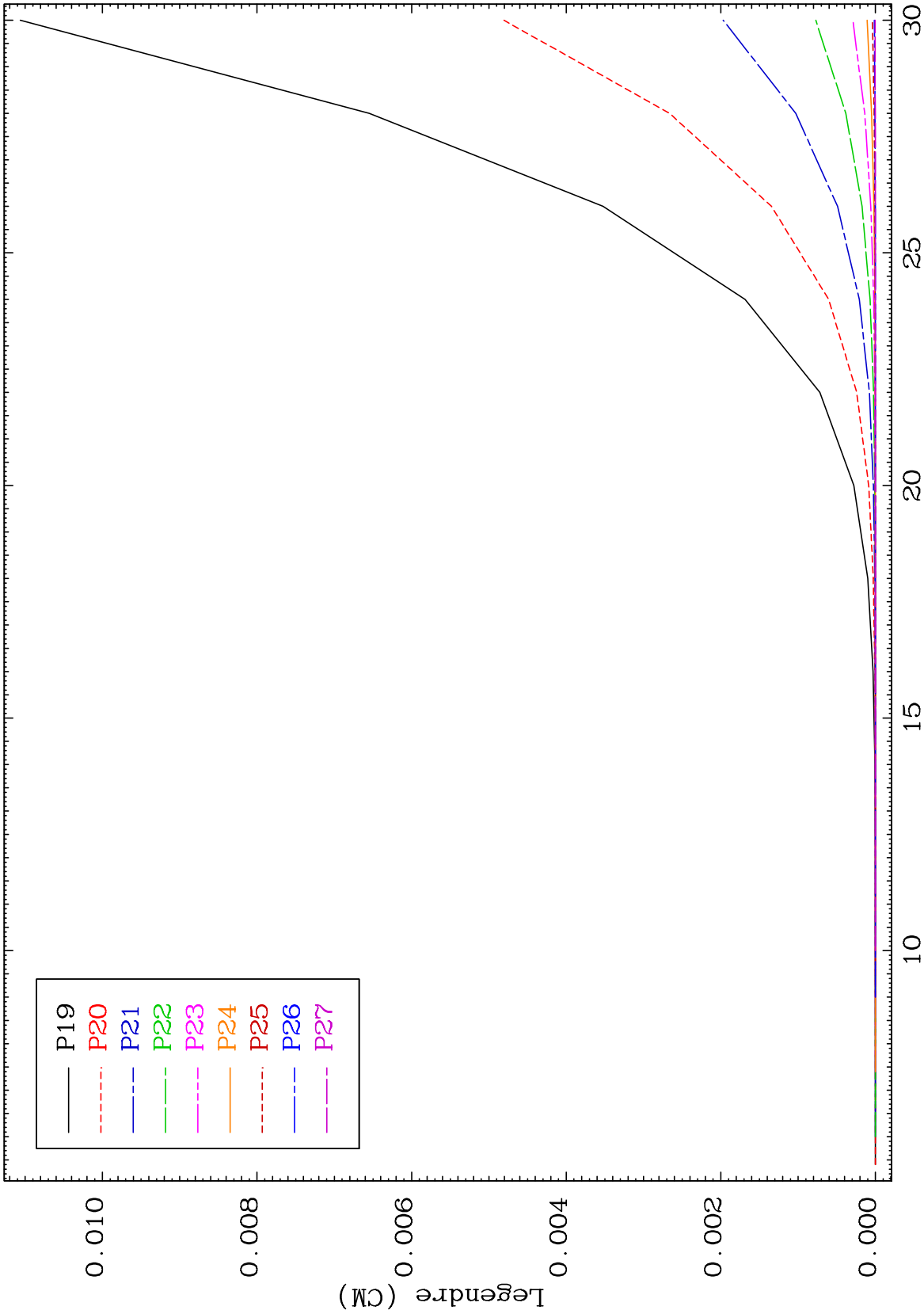
Incident Energy (MeV)

56-Ba-137

MAT 5646

### Elastic Legendre Coefficients

56-Ba-137



17

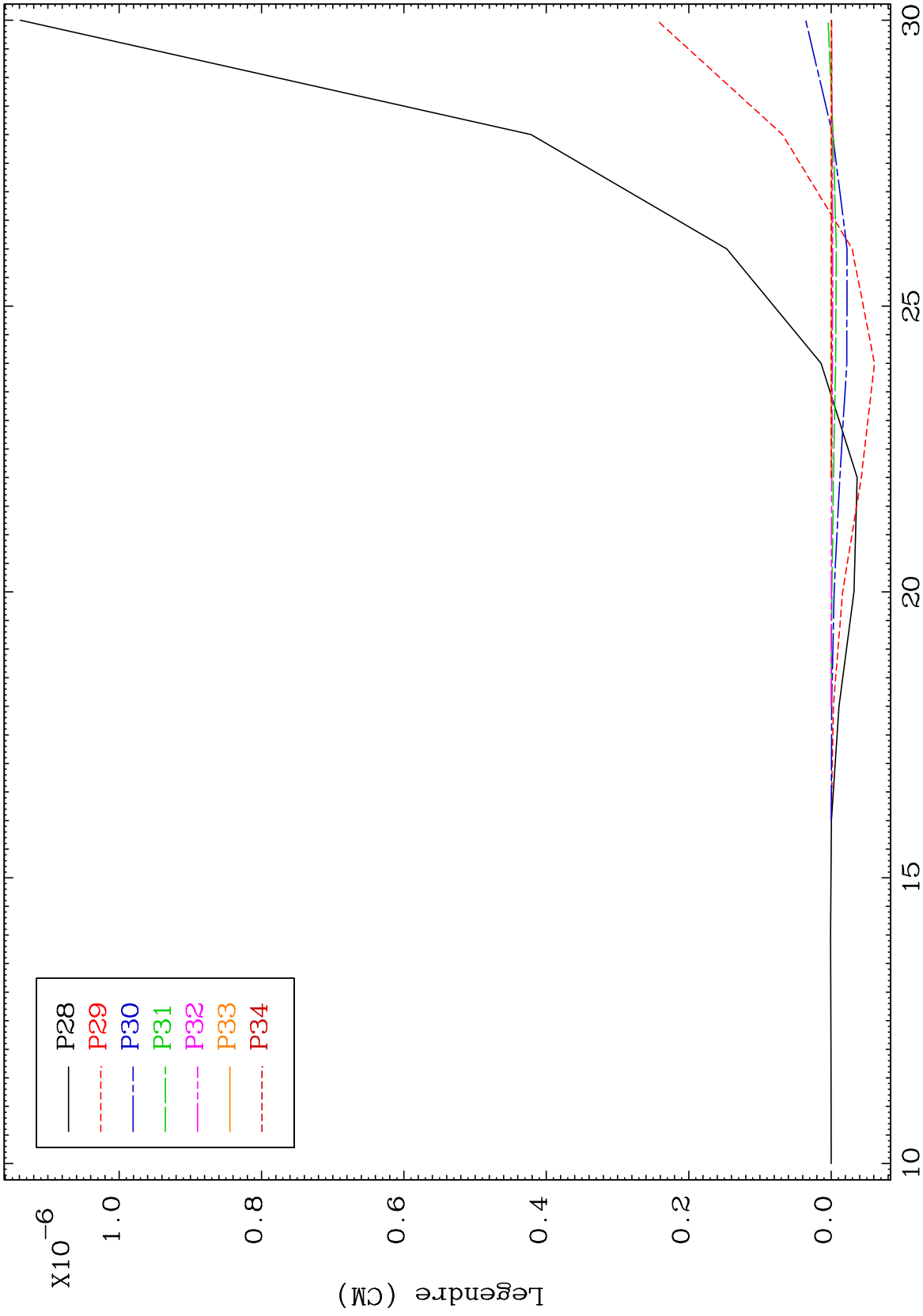
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



18

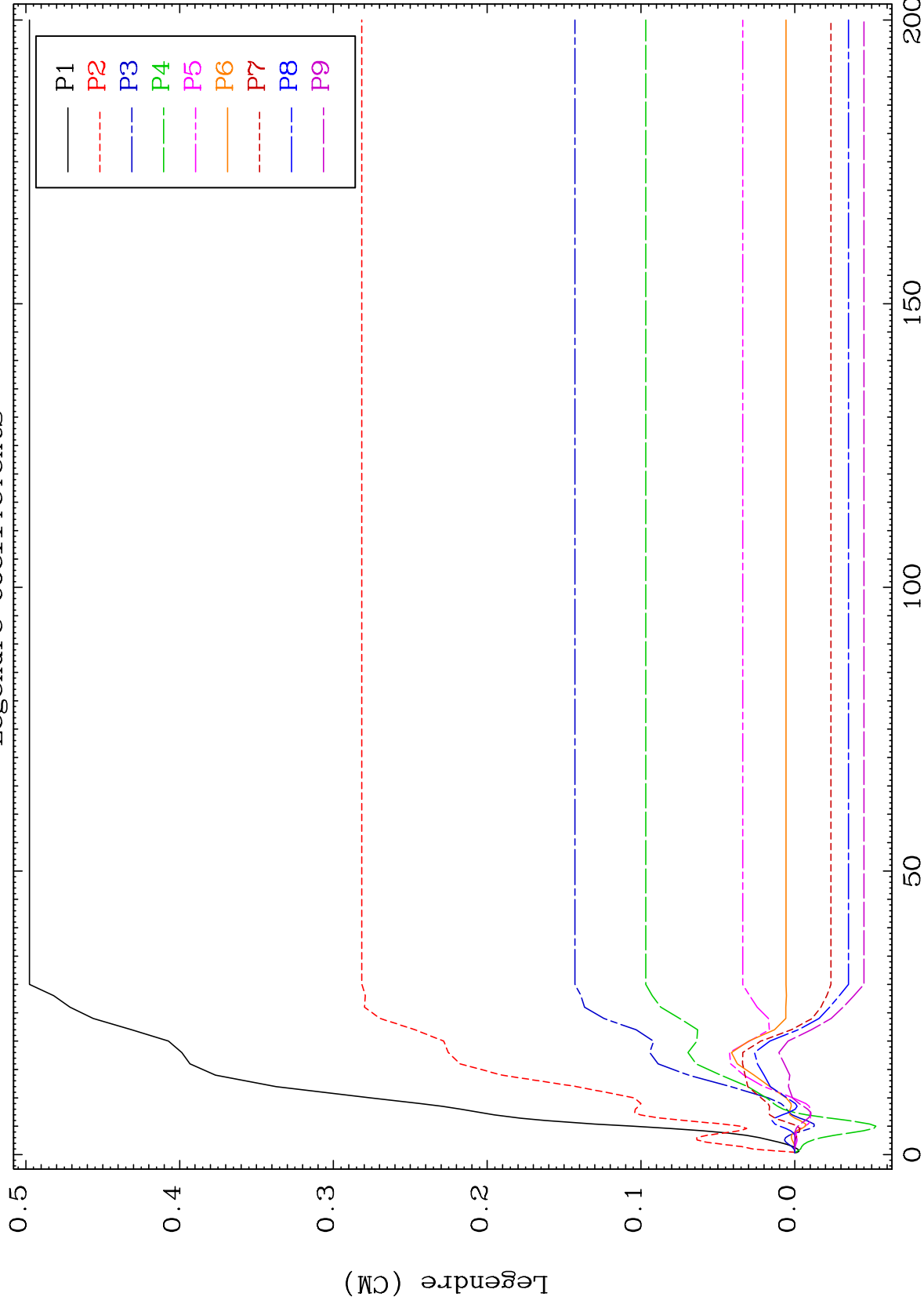
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



19

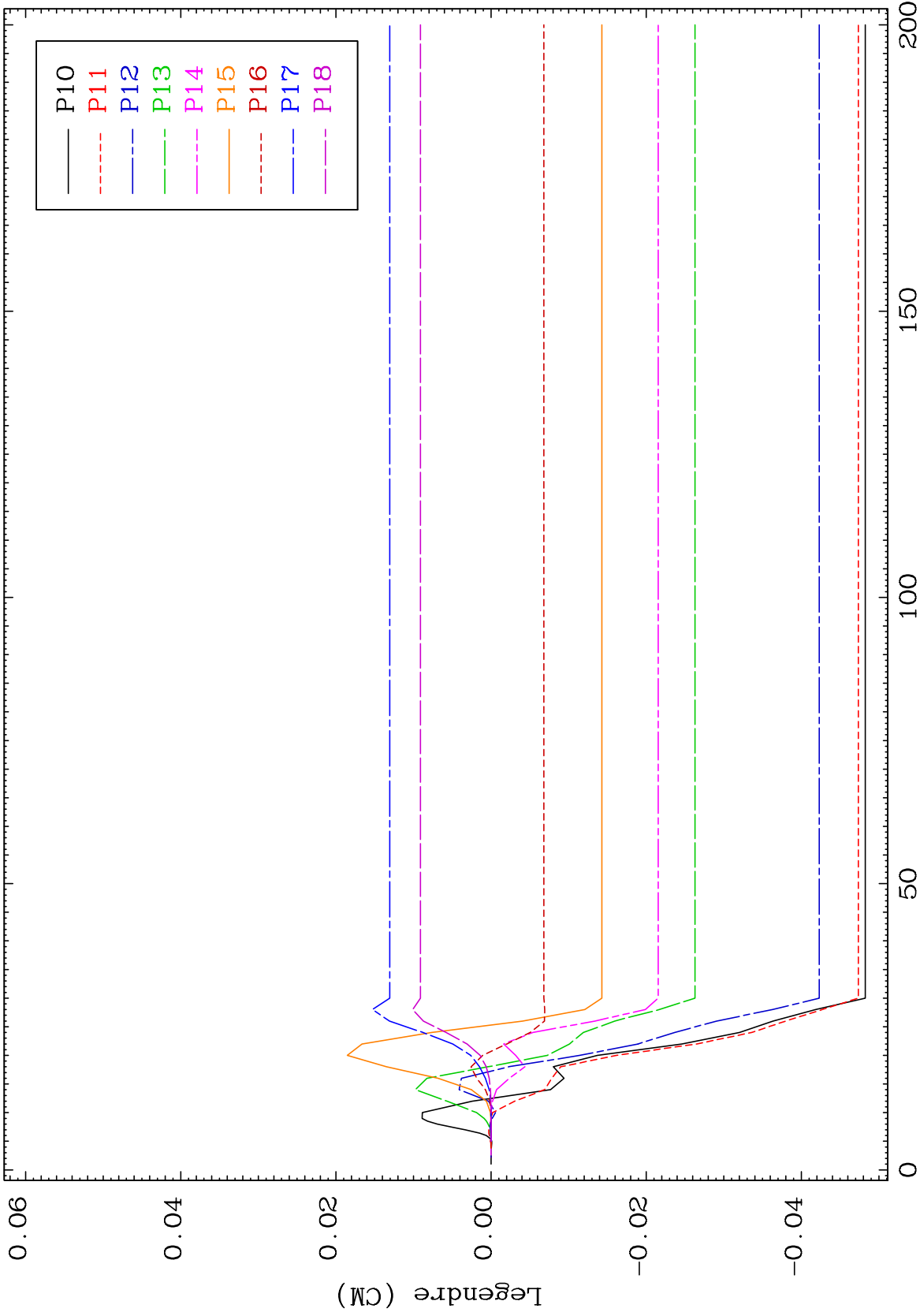
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



20

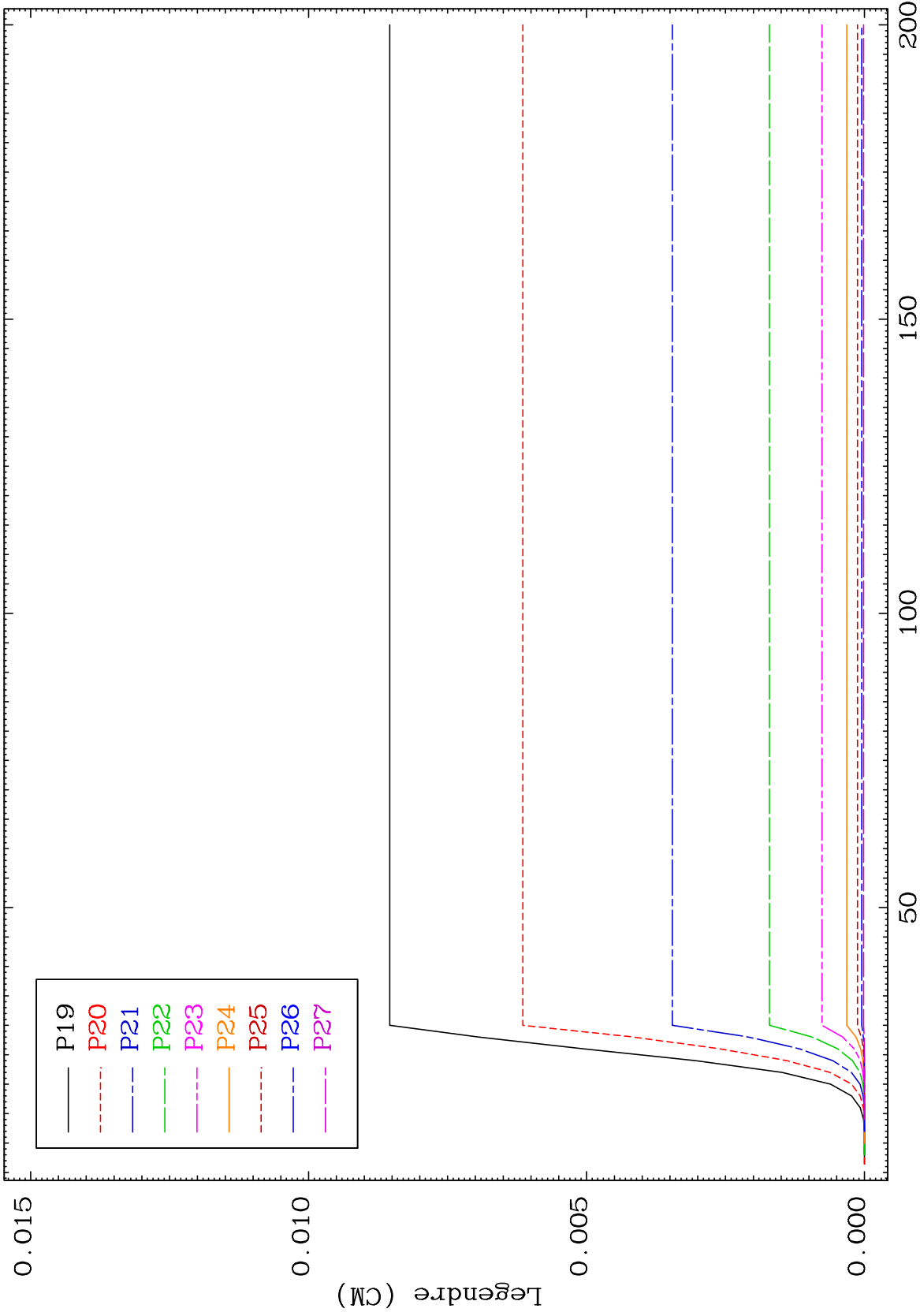
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



21

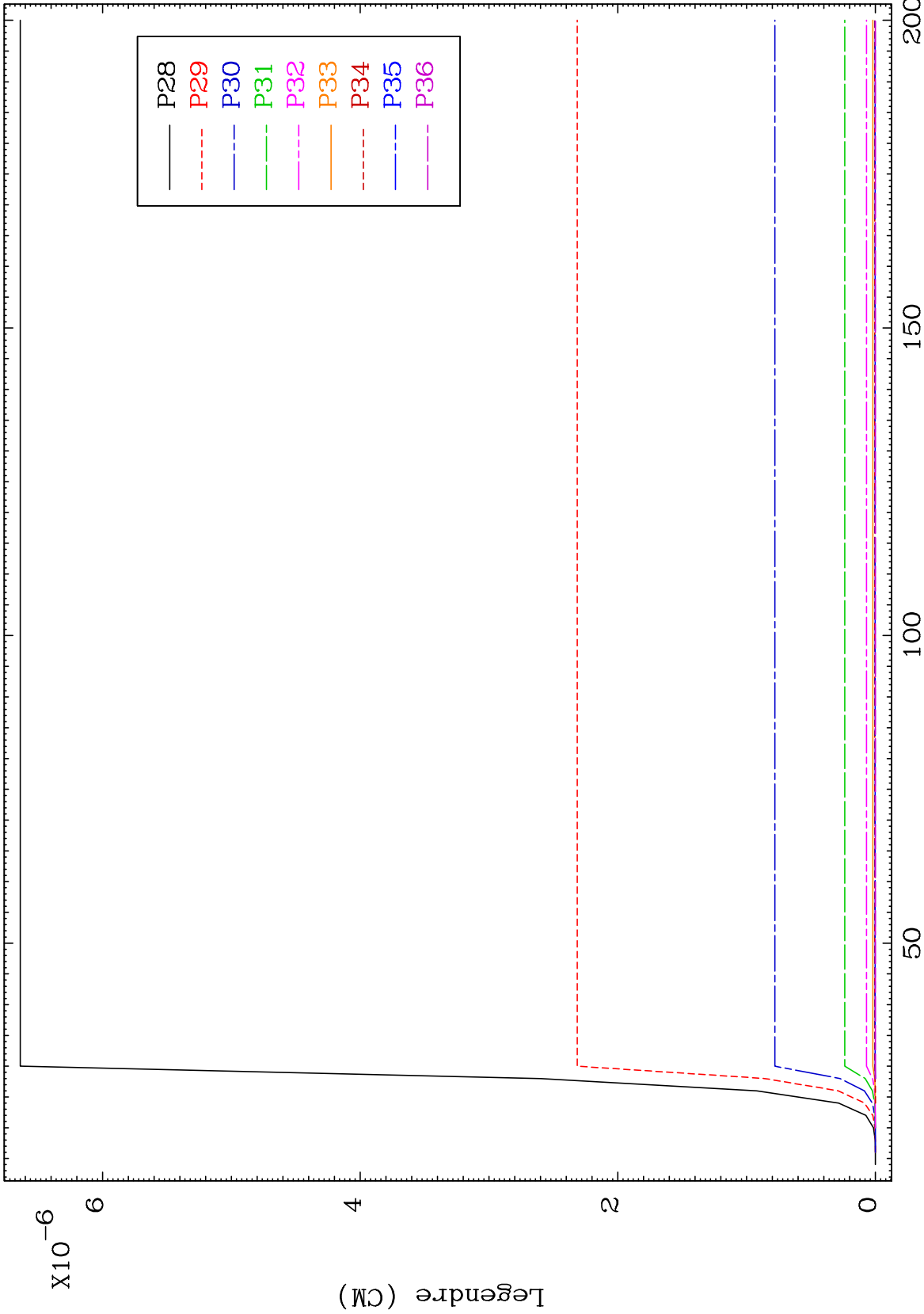
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



22

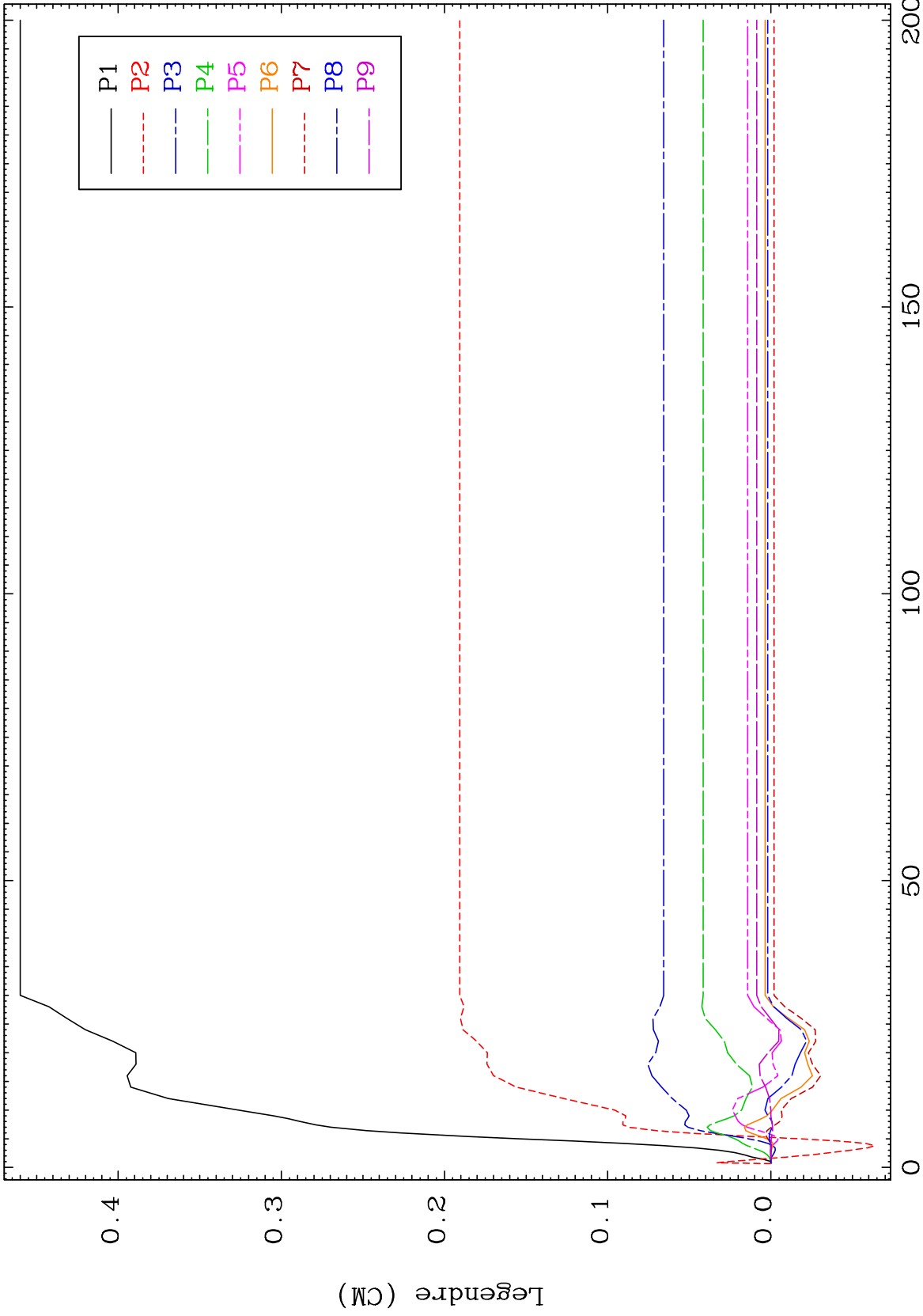
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



23

Incident Energy (MeV)

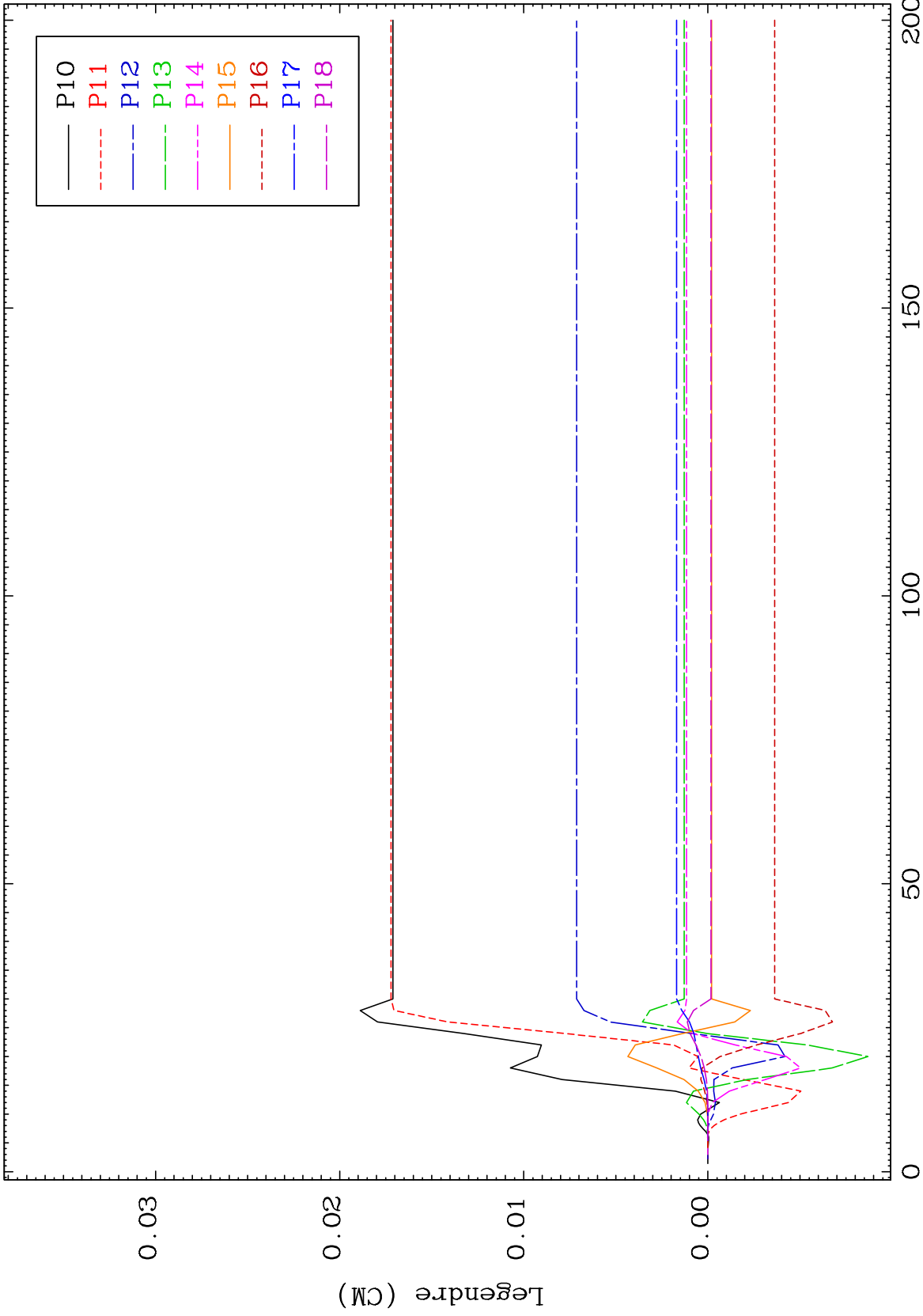
56-Ba-137



MAT 5646

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

56-Ba-137



24

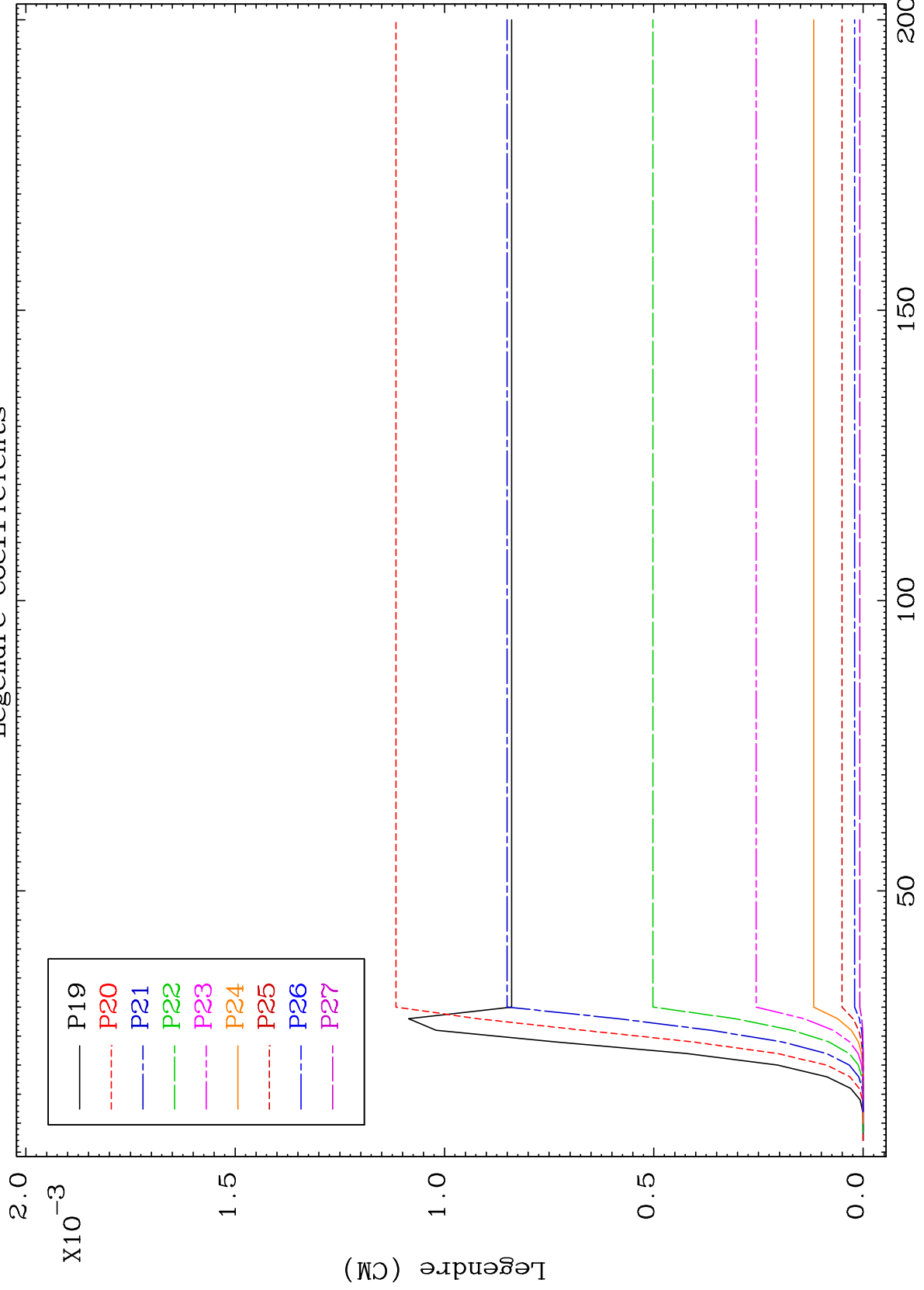
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



25

Incident Energy (MeV)

50

100

150

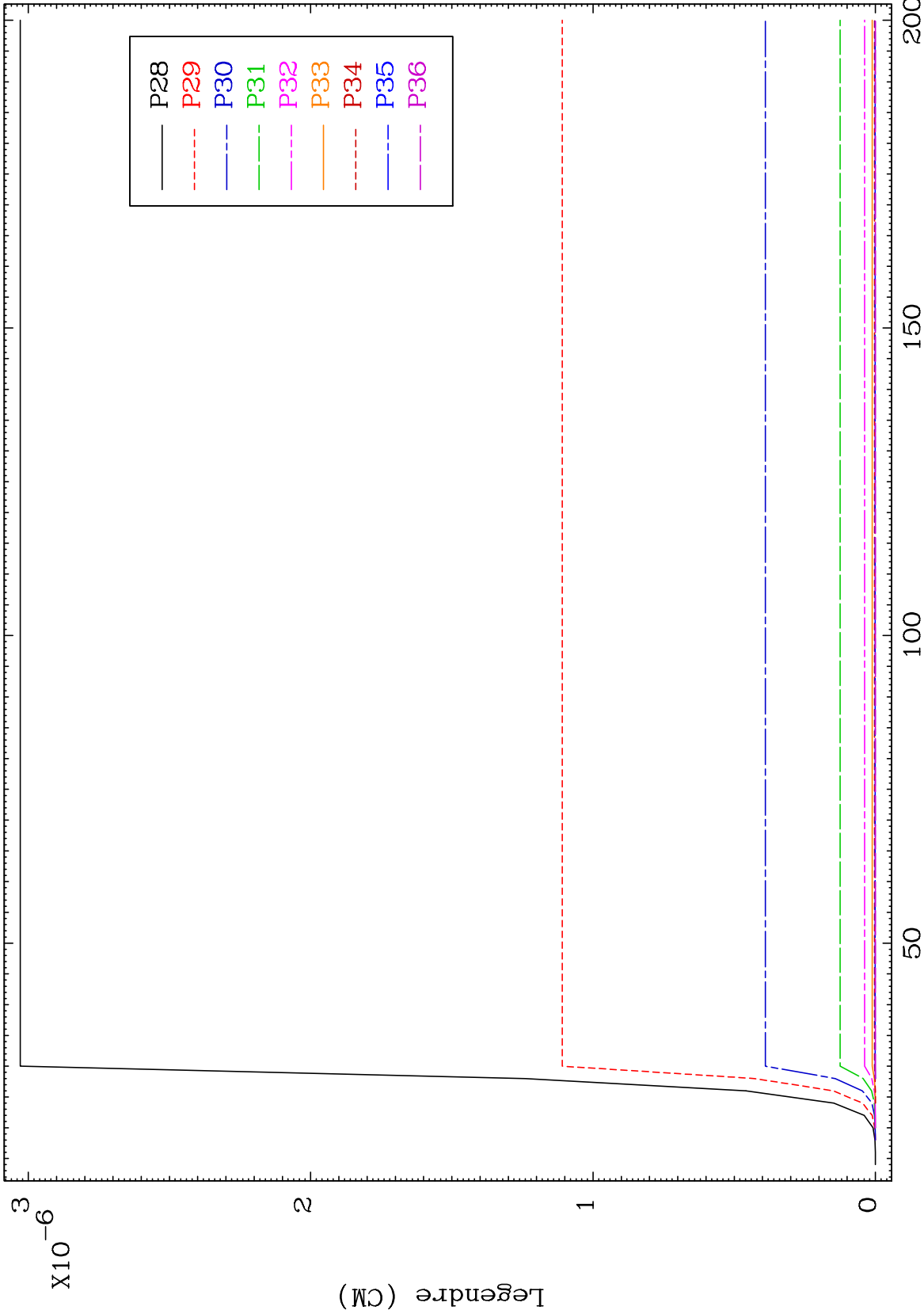
200

56-Ba-137

MAT 5646

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

56-Ba-137



26

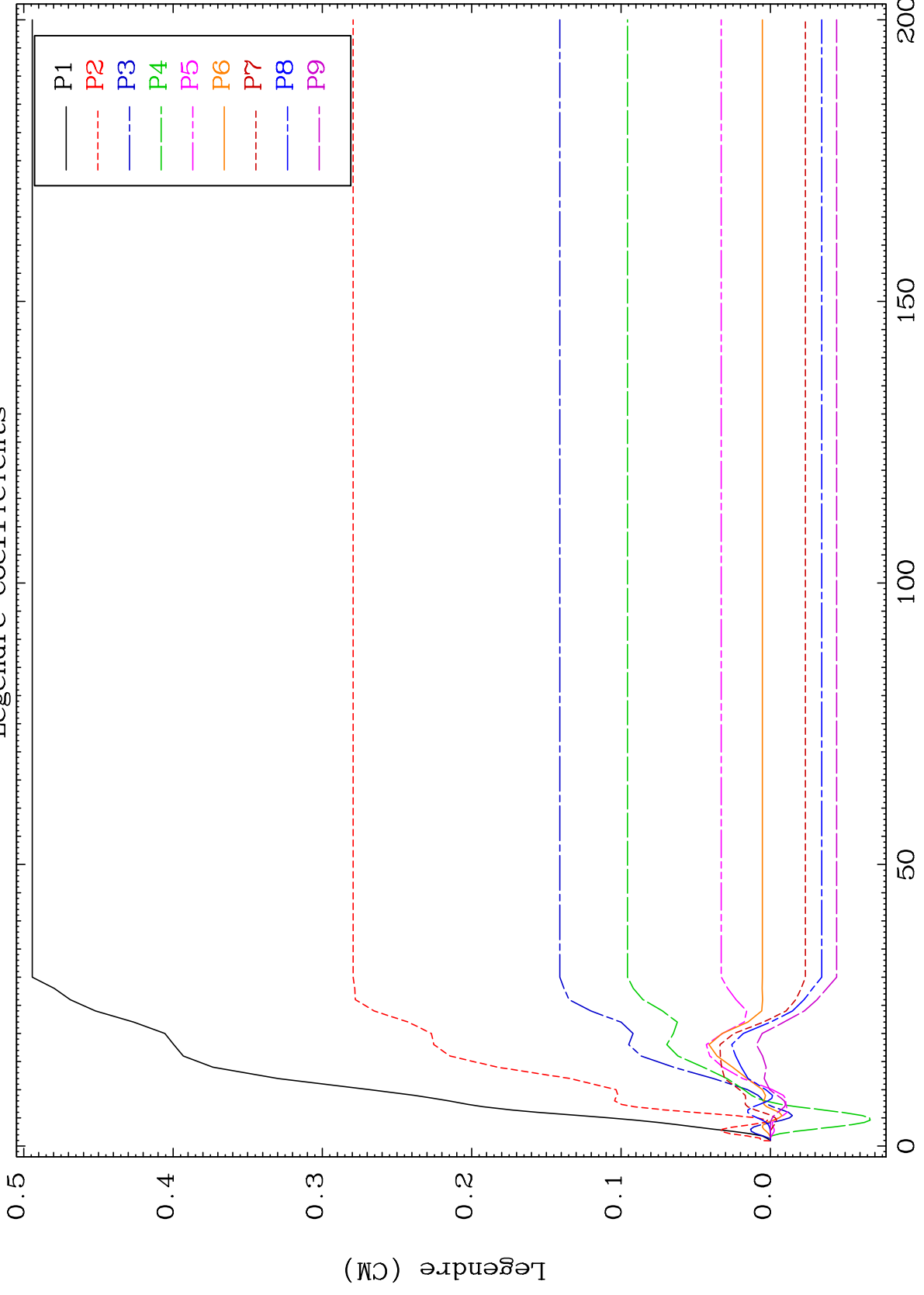
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



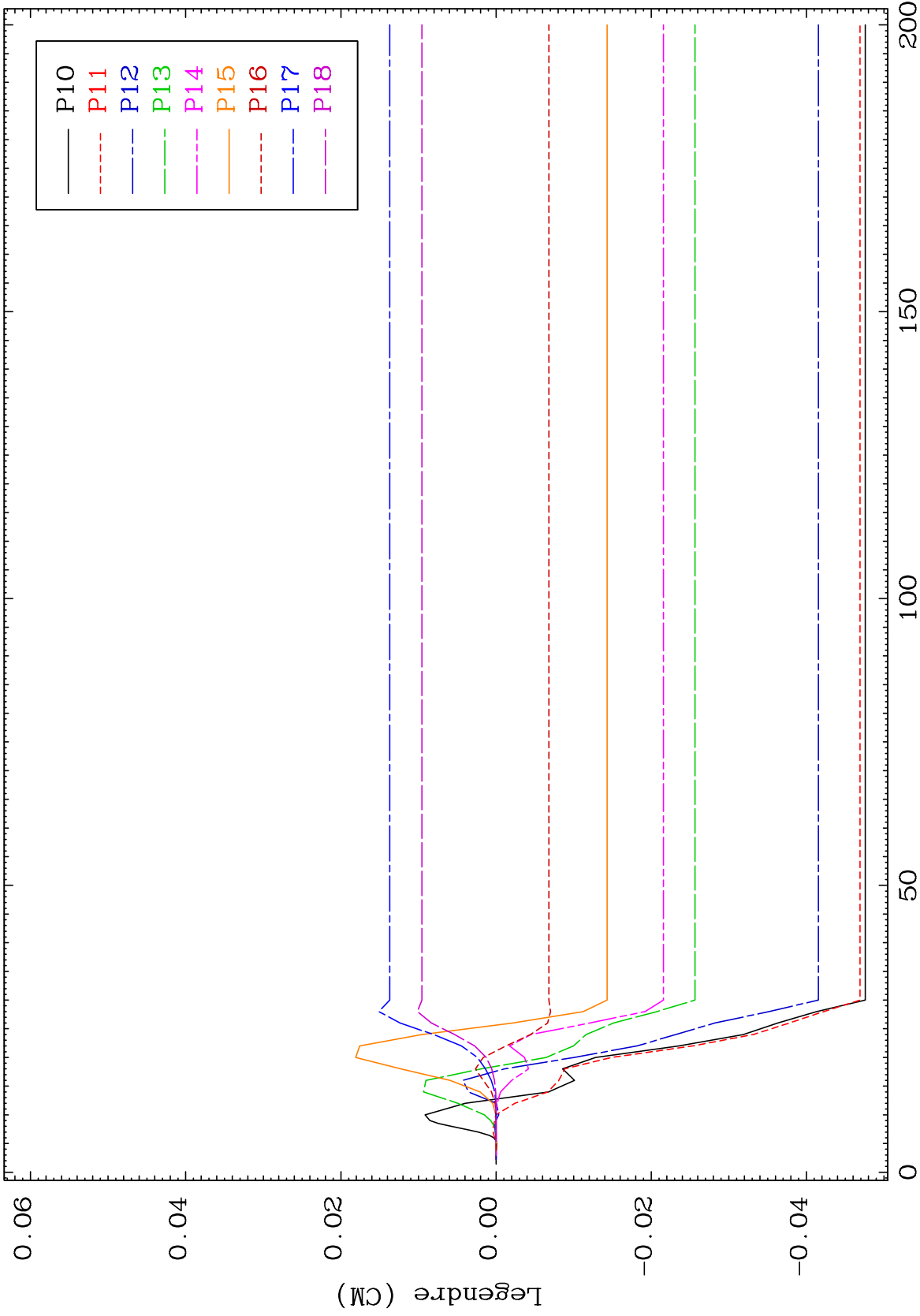
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56-Ba-137

MAT 5646

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

56-Ba-137



28

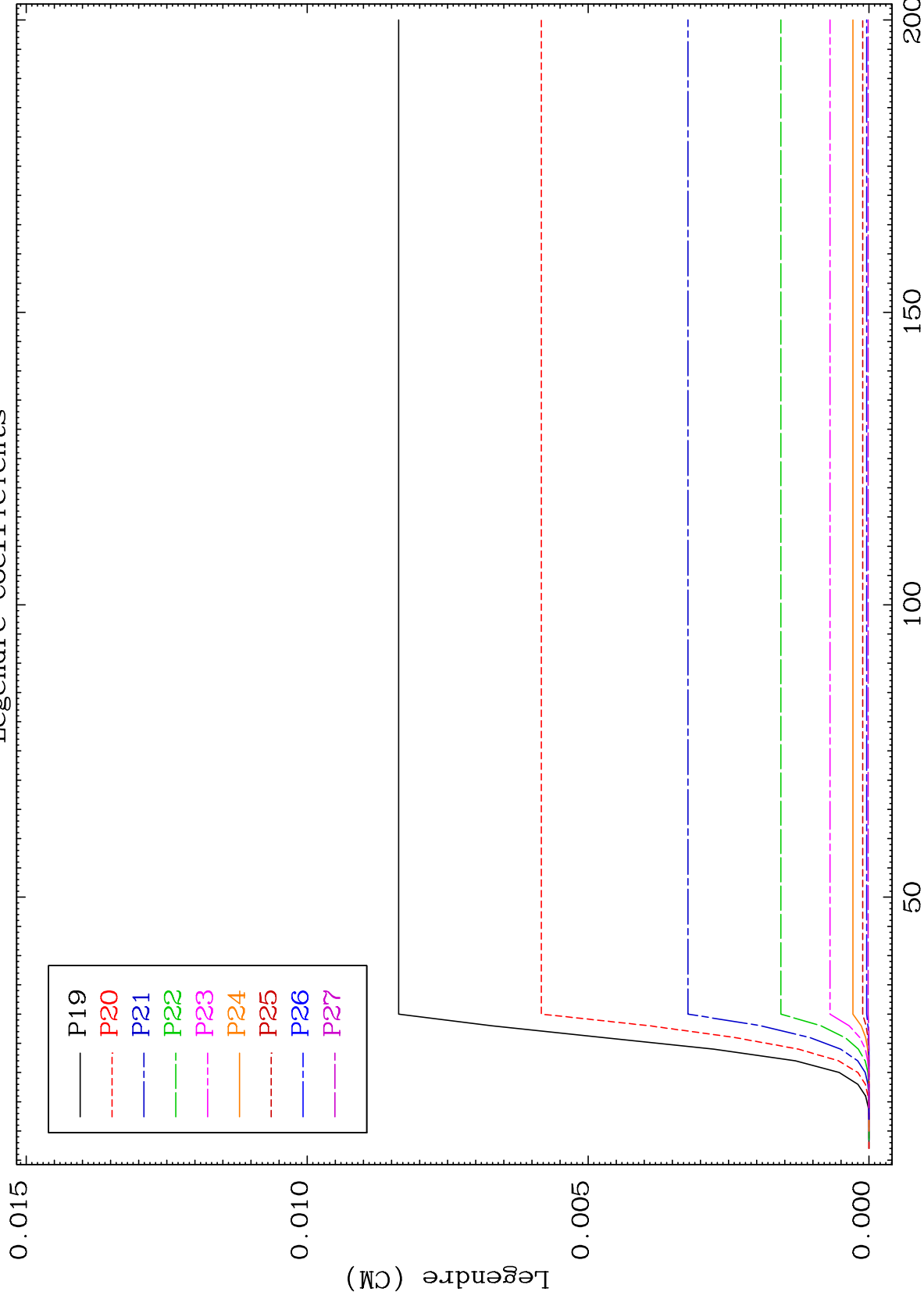
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



29

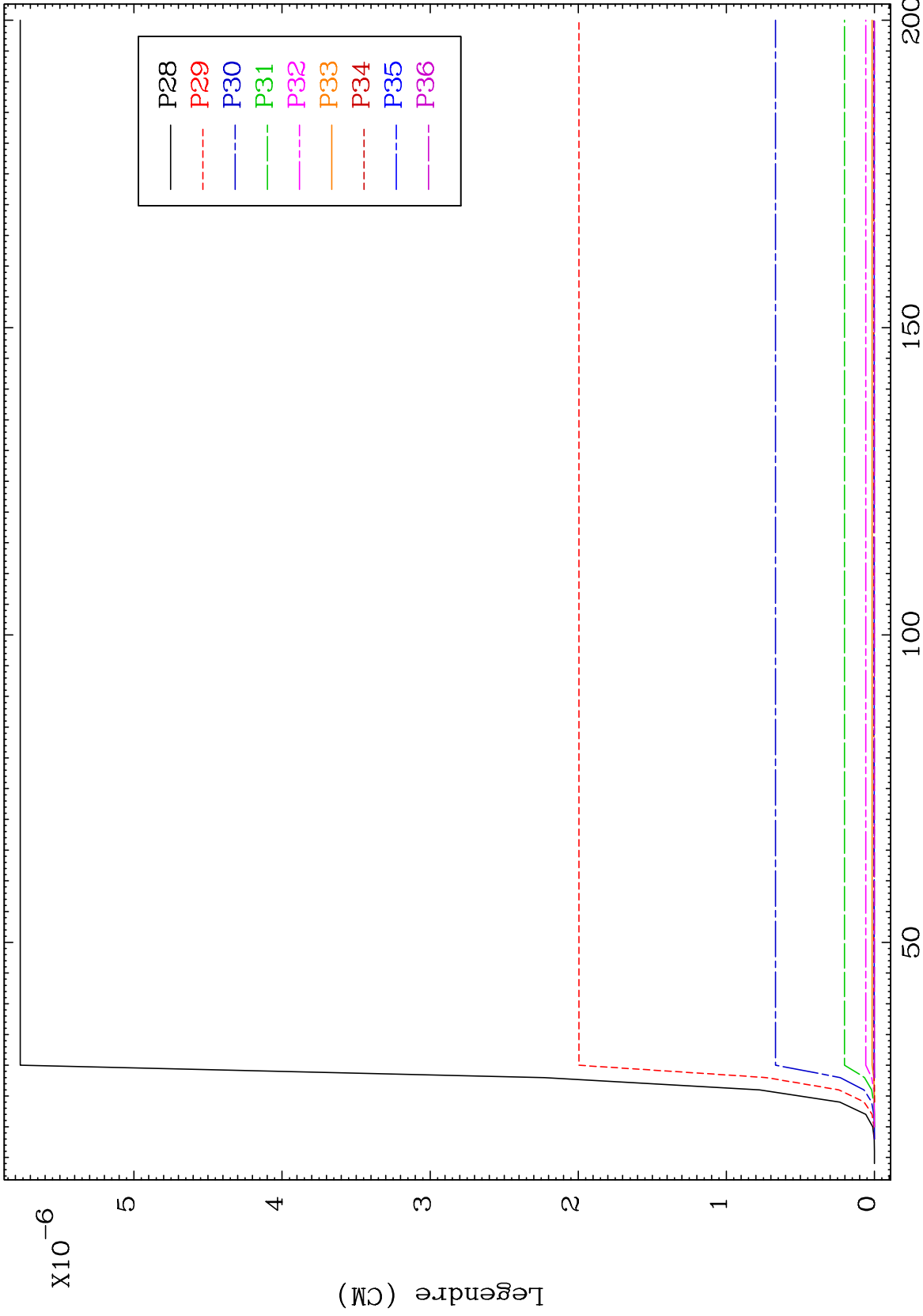
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

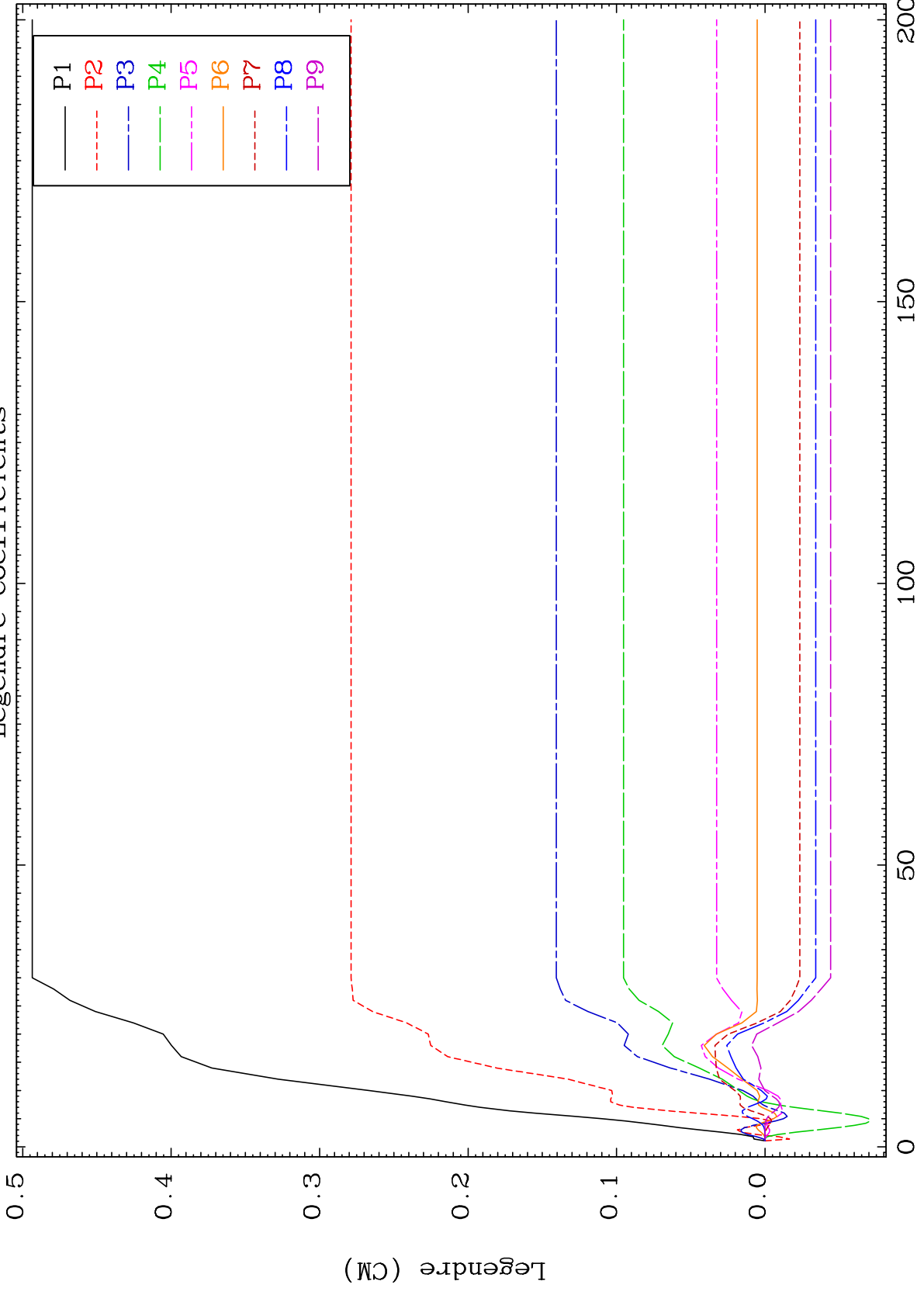


30

Incident Energy (MeV)

56-Ba-137

MAT 5646 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-137



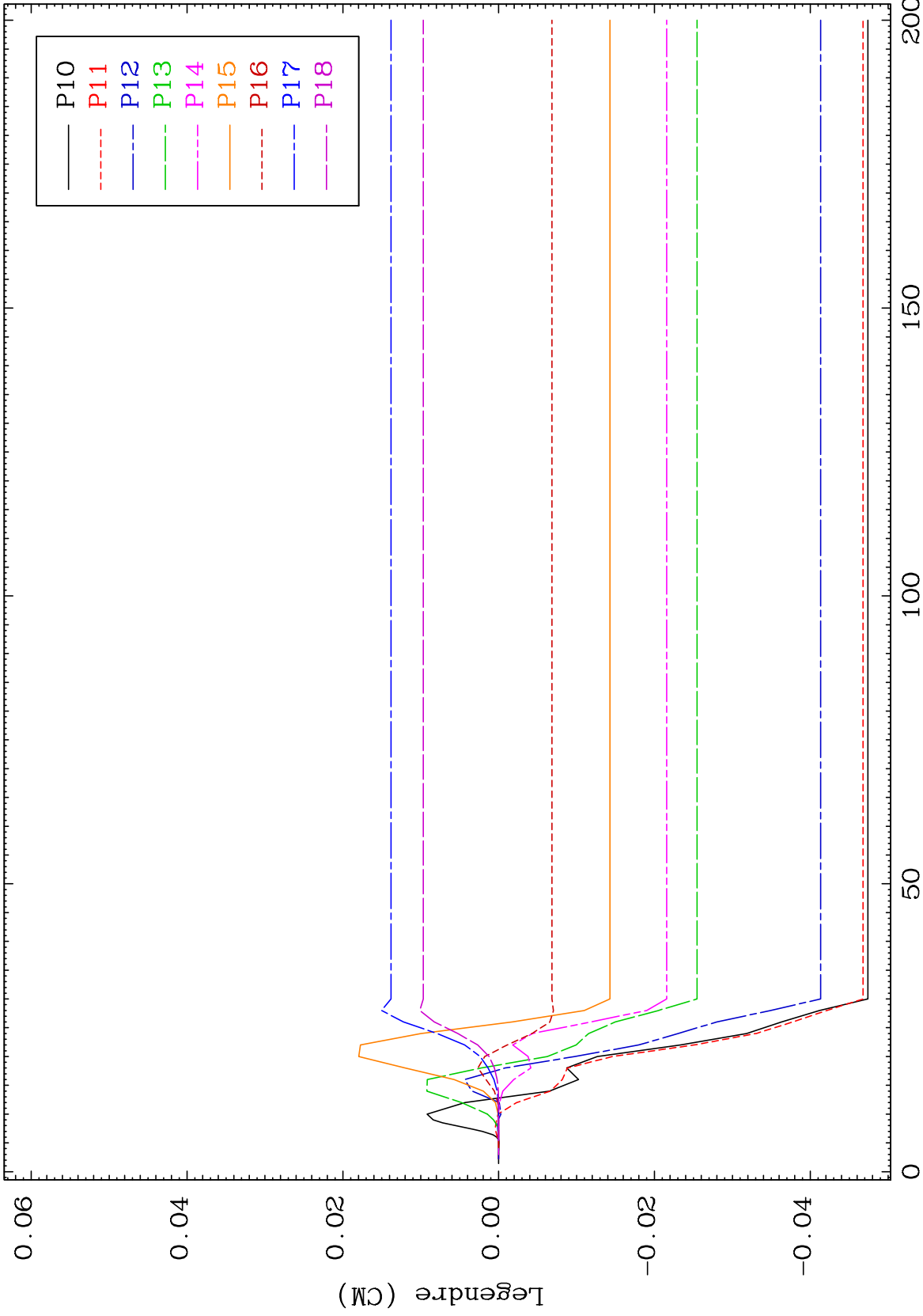
31 56-Ba-137



MAT 5646

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

56-Ba-137



32

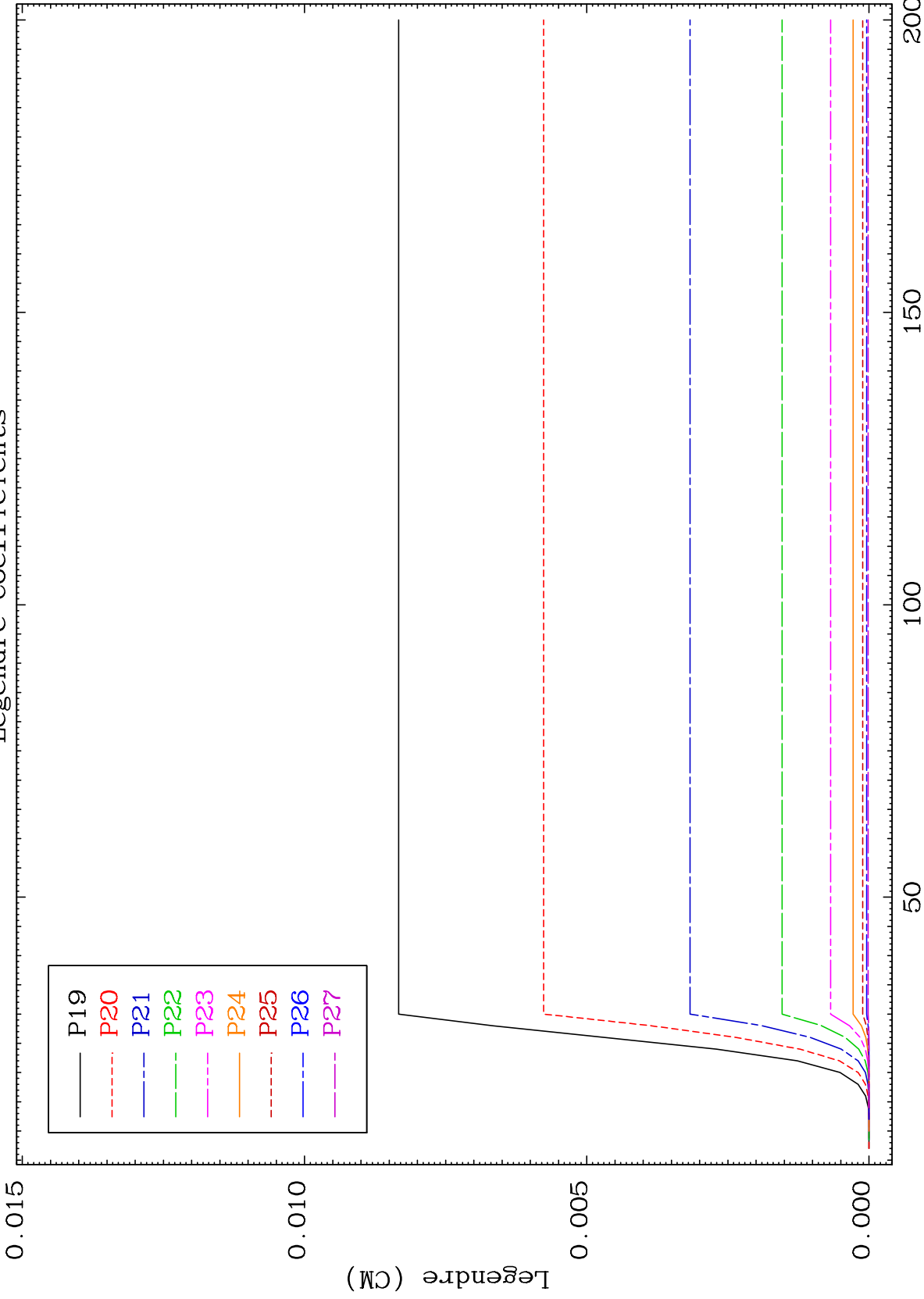
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



33

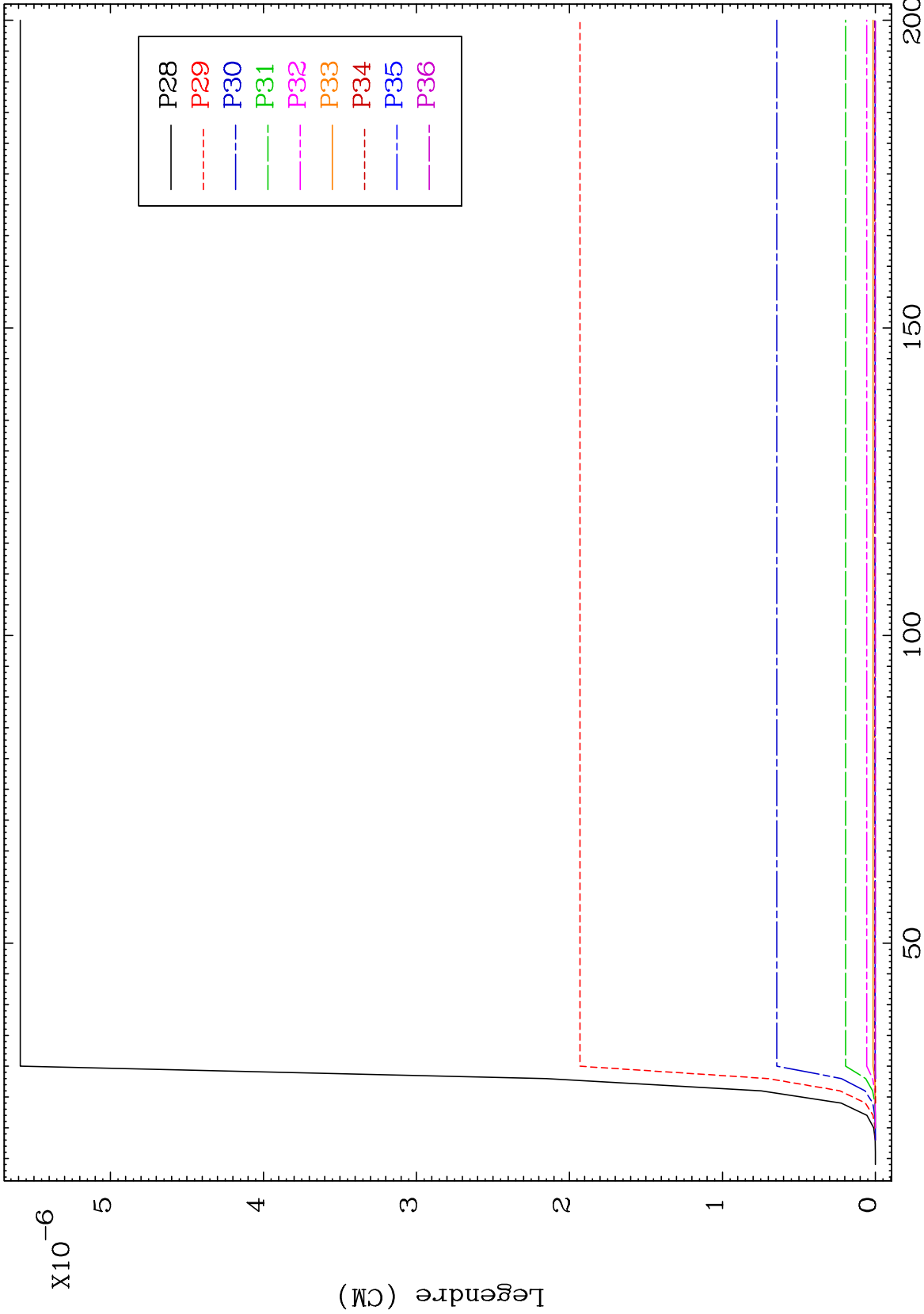
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



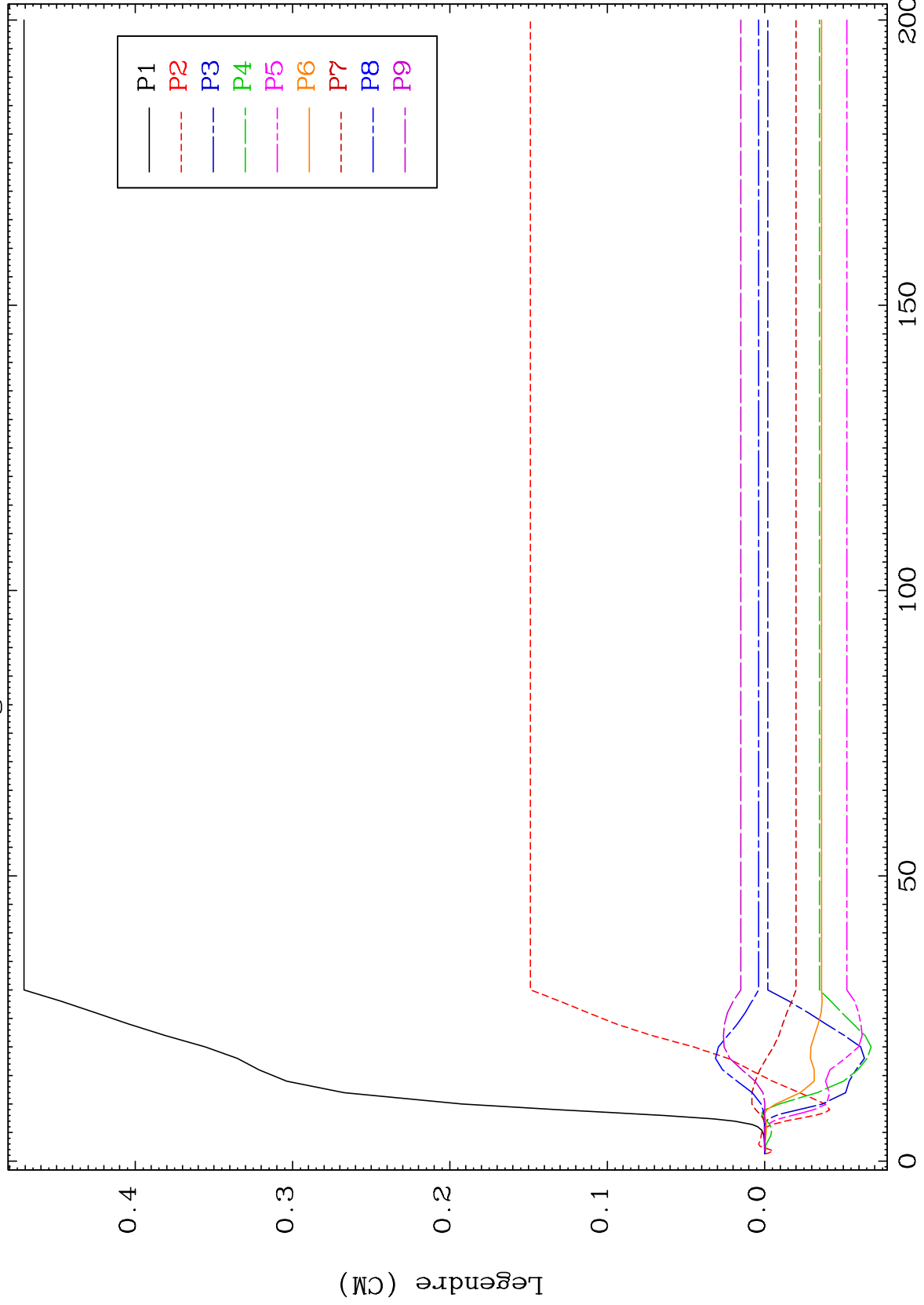
34

56-Ba-137

MAT 5646

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

56-Ba-137



35

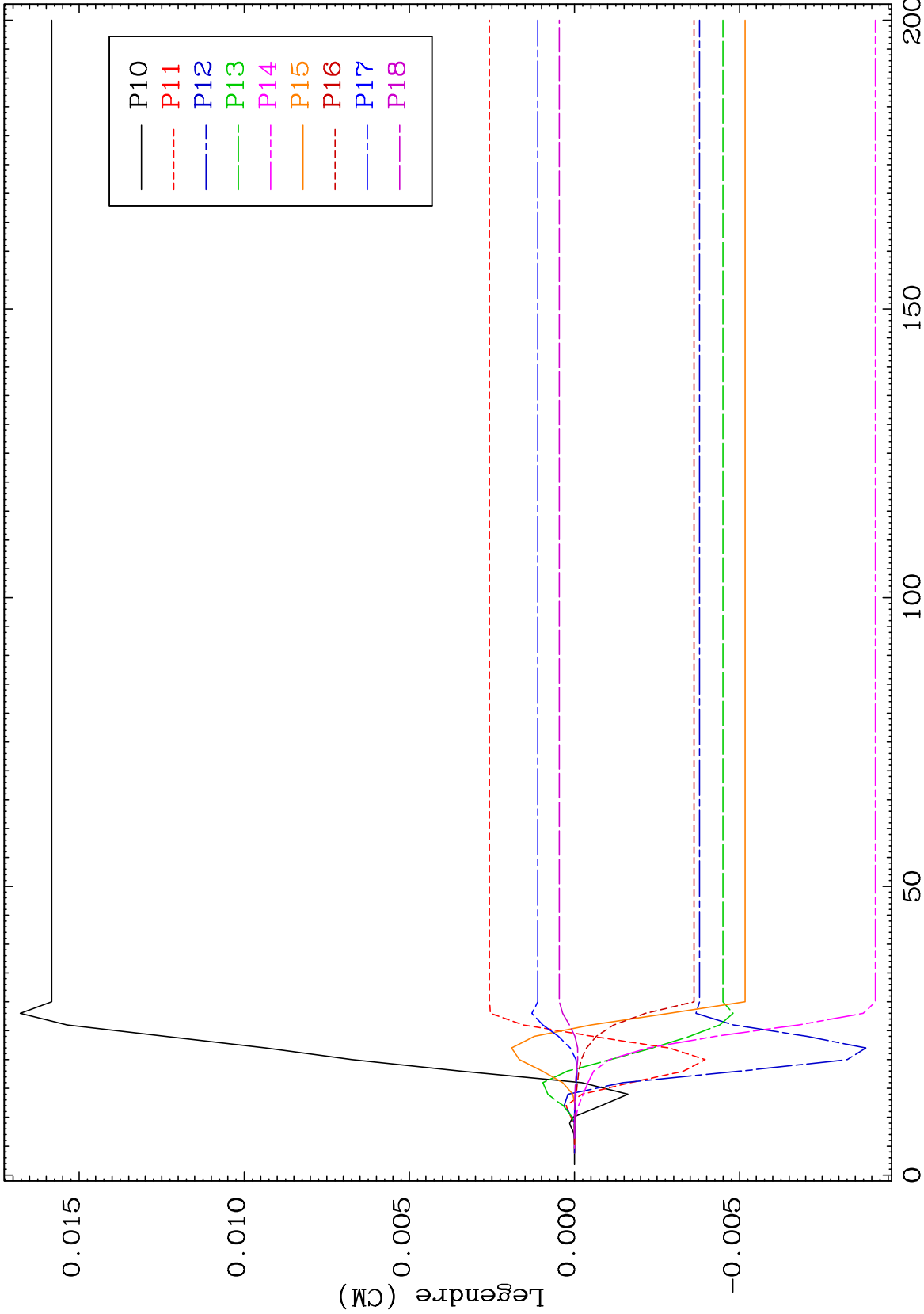
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



36

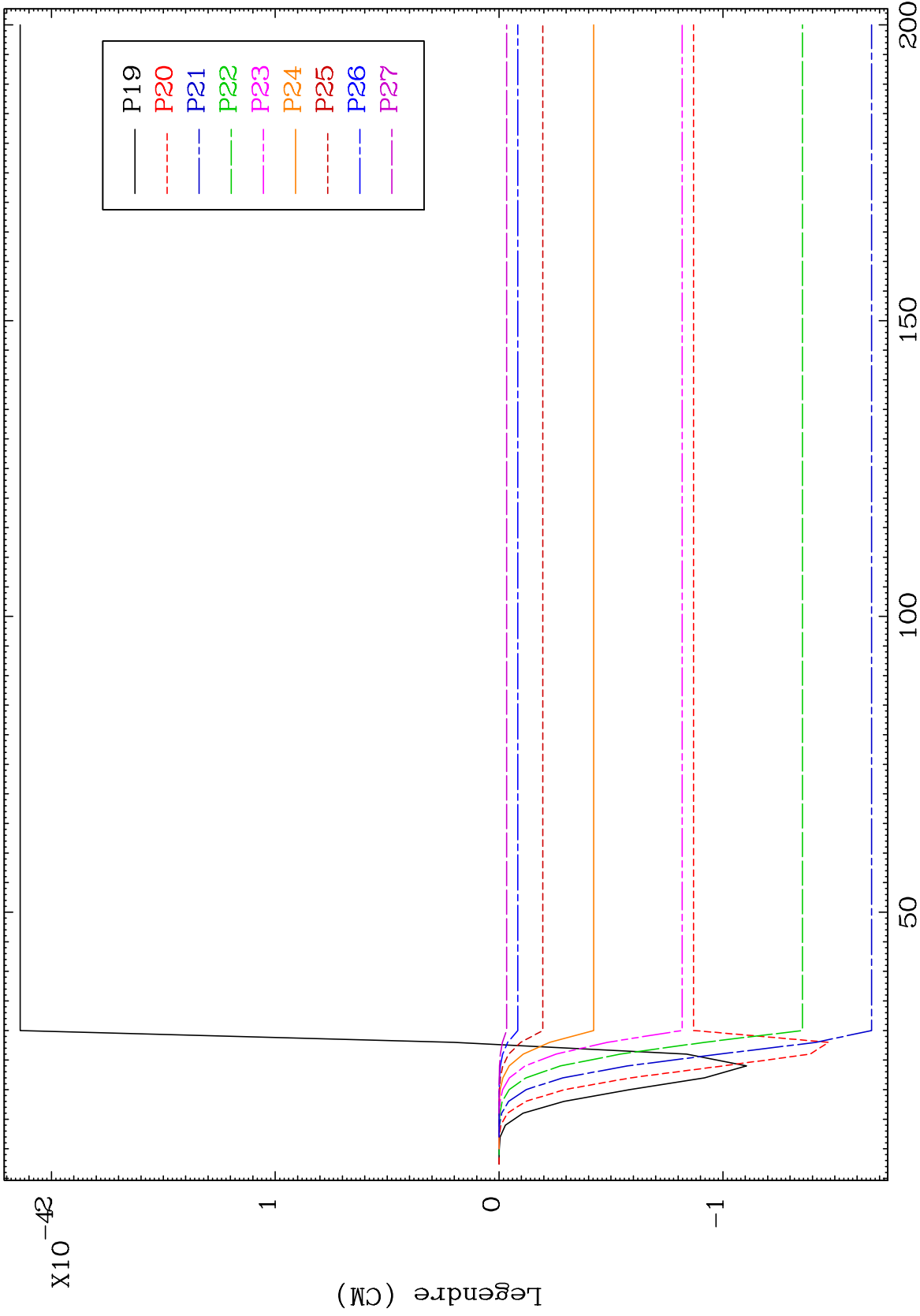
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



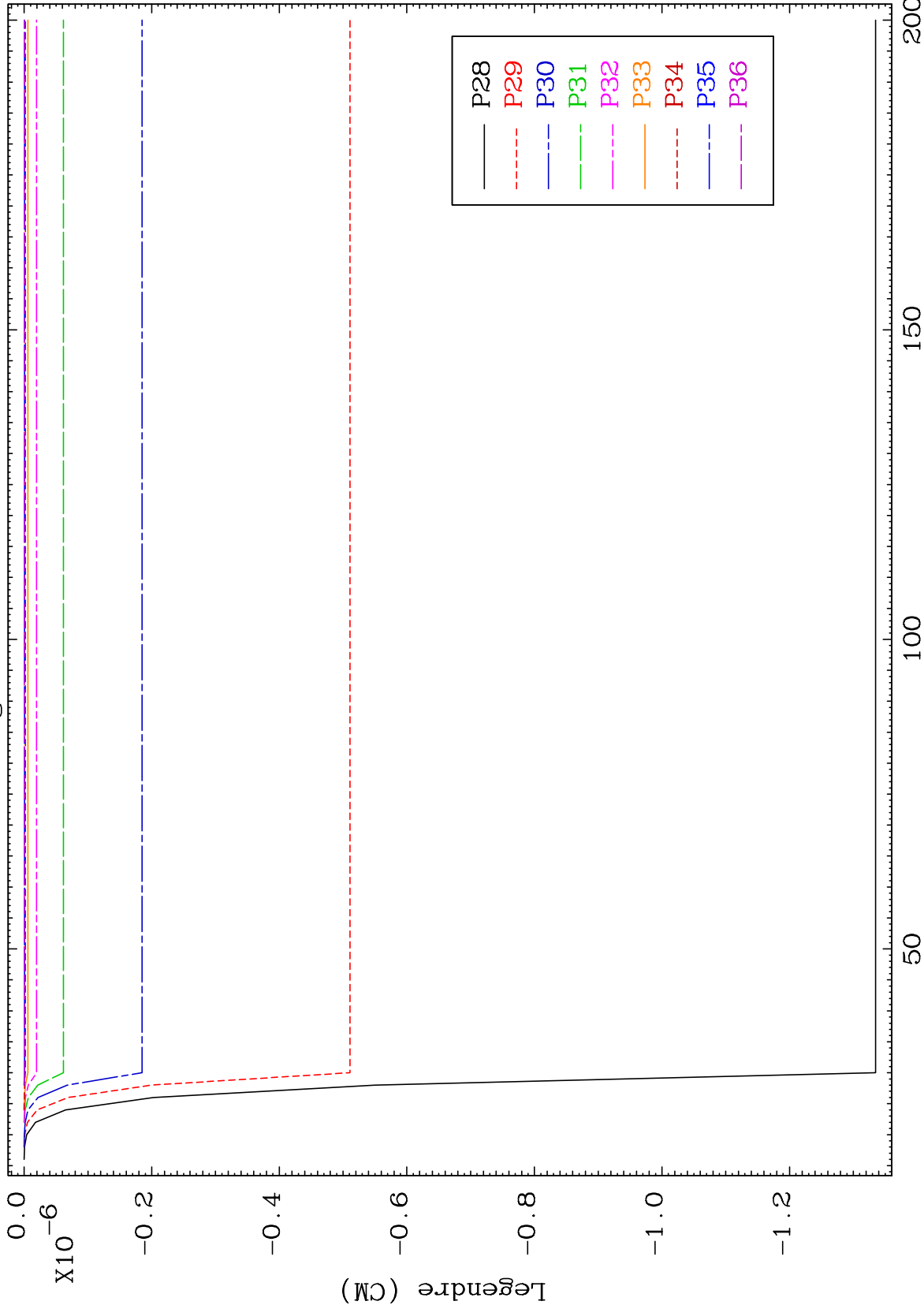
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56-Ba-137

MAT 5646

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

56-Ba-137

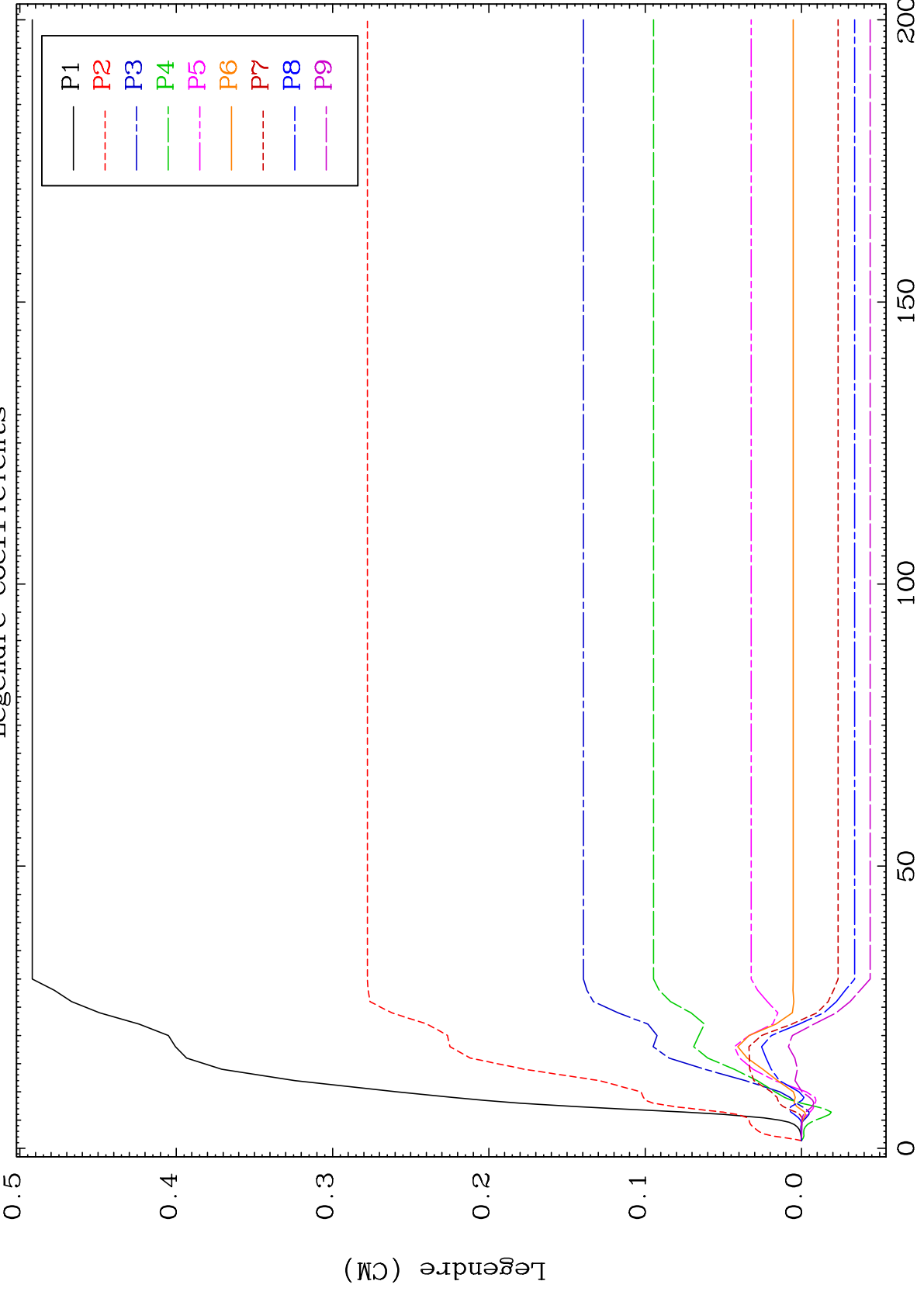


56-Ba-137

Incident Energy (MeV)

38

MAT 5646 MT= 56 (n,n') Level Legendre Coefficients 56-Ba-137



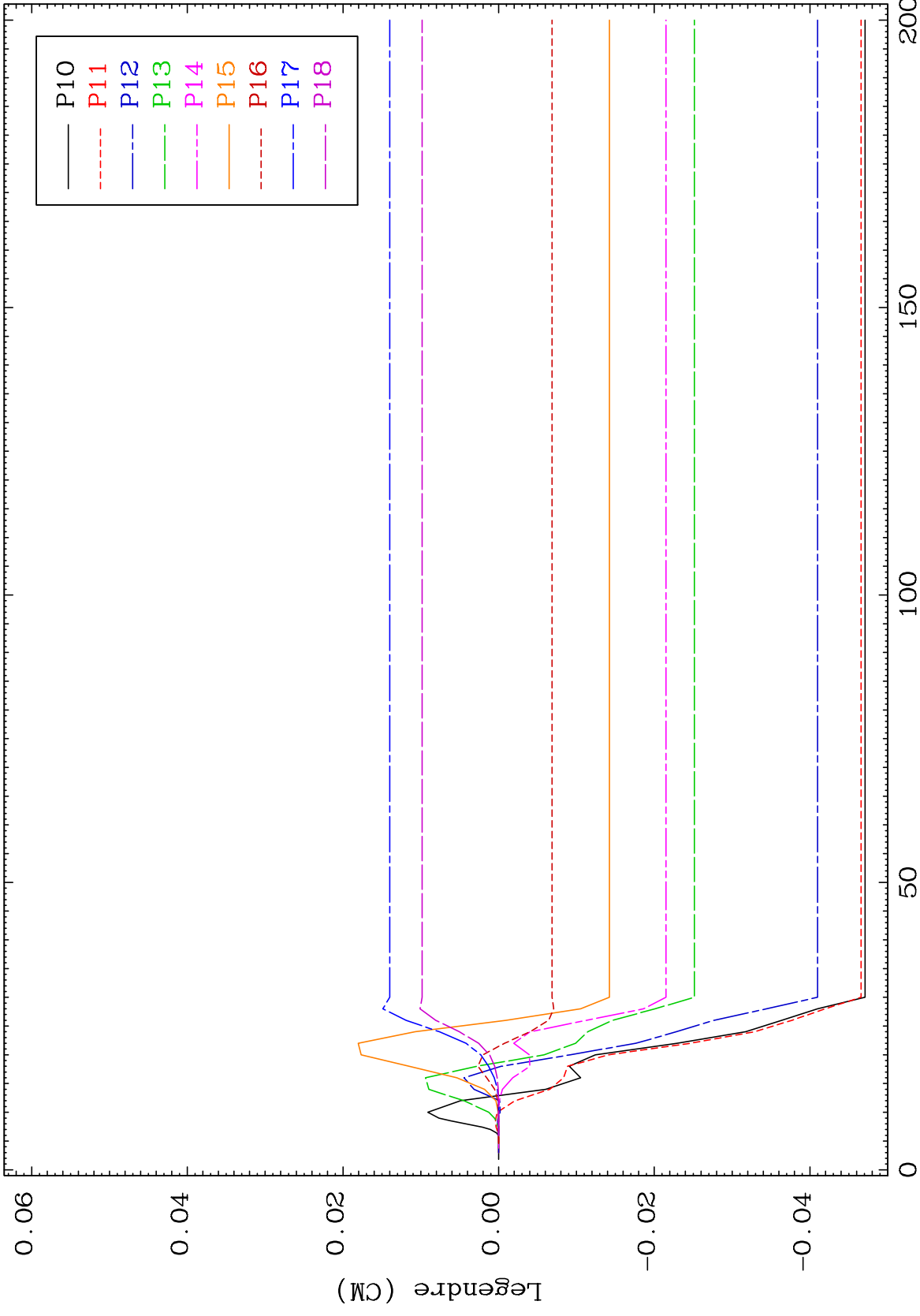
39 56-Ba-137



MAT 5646

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

56-Ba-137



40

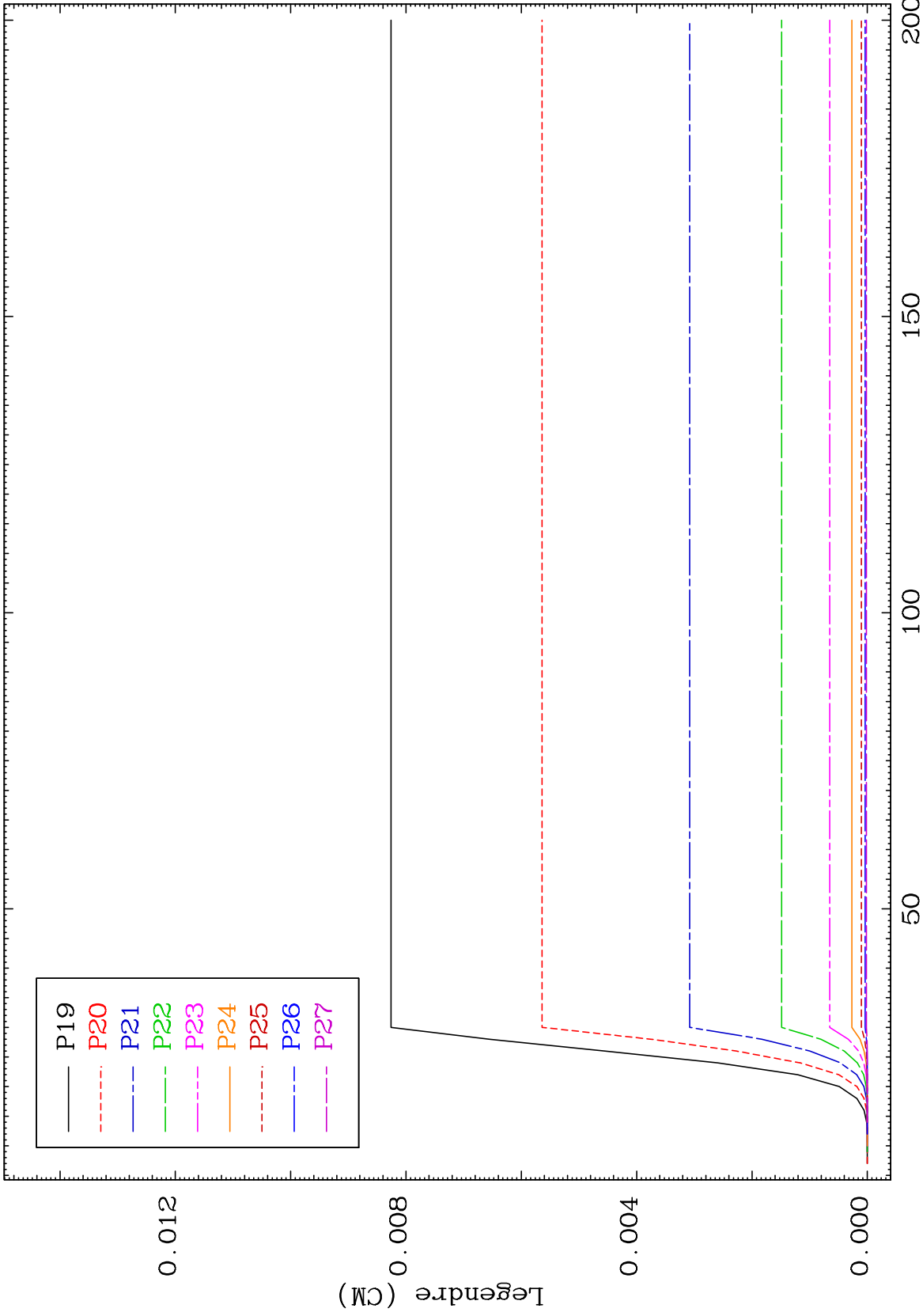
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

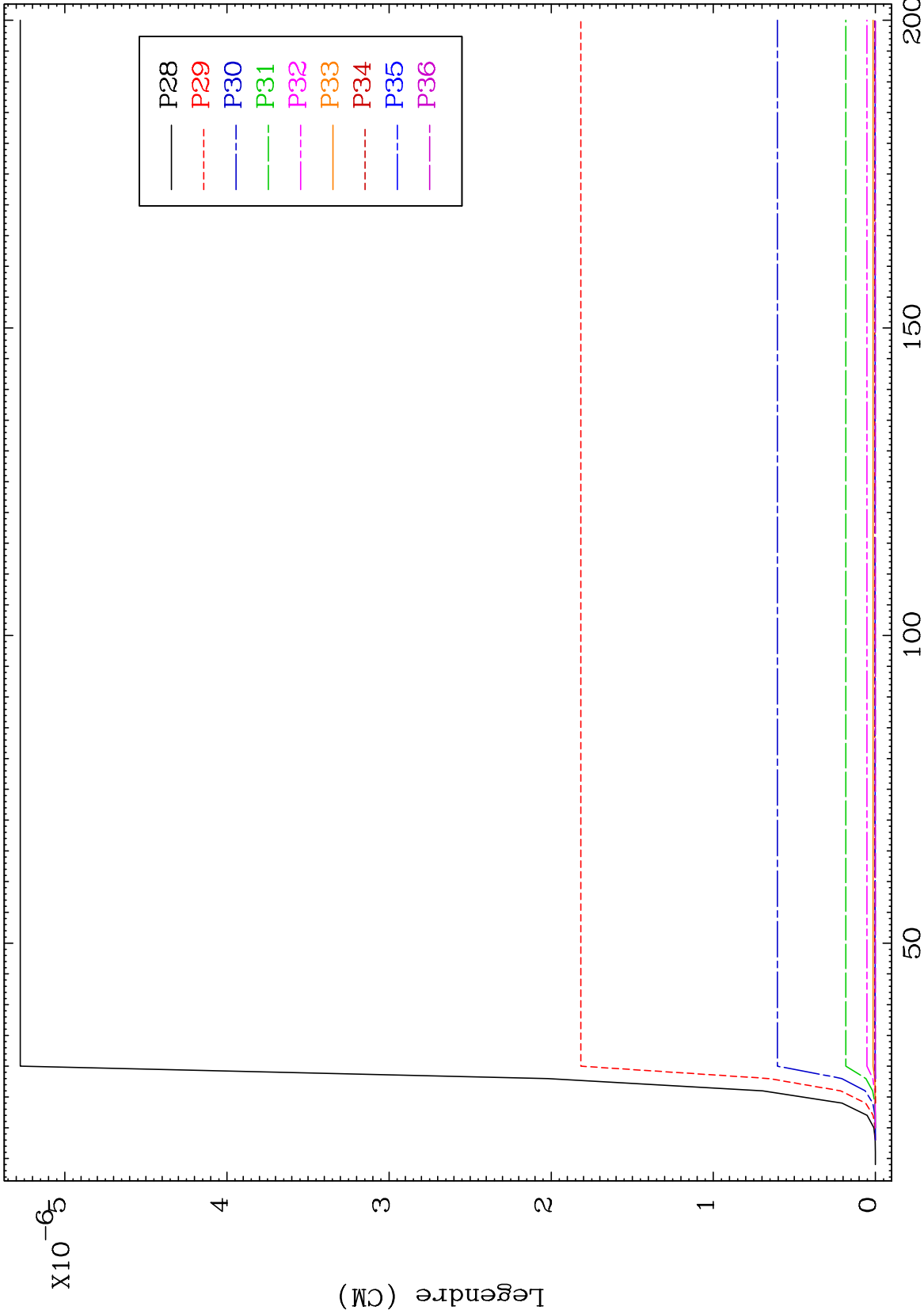
56-Ba-137



MAT 5646

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

56-Ba-137

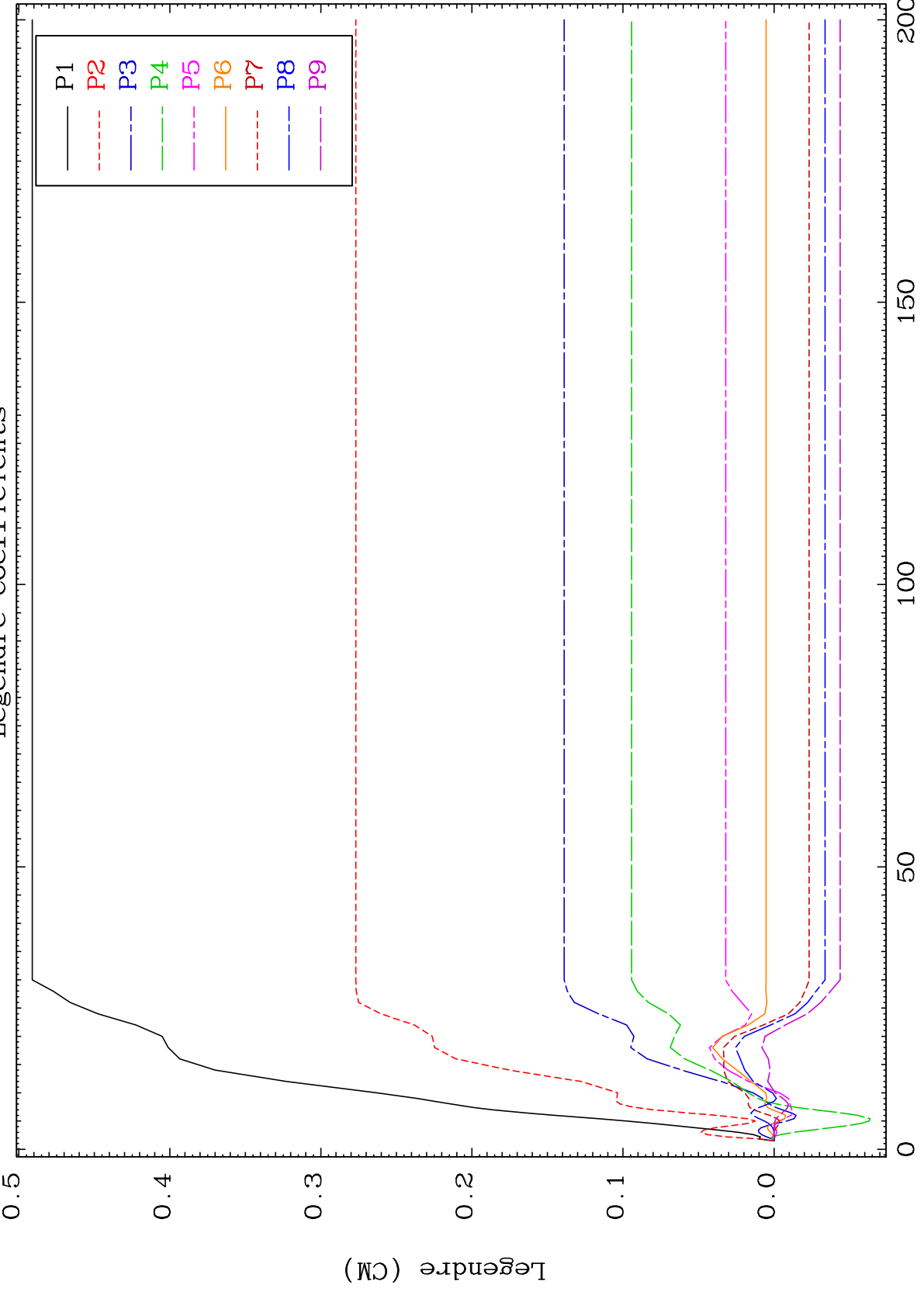


42

Incident Energy (MeV)

56-Ba-137

MAT 5646 MT= 57 (n,n') Level Legendre Coefficients 56-Ba-137

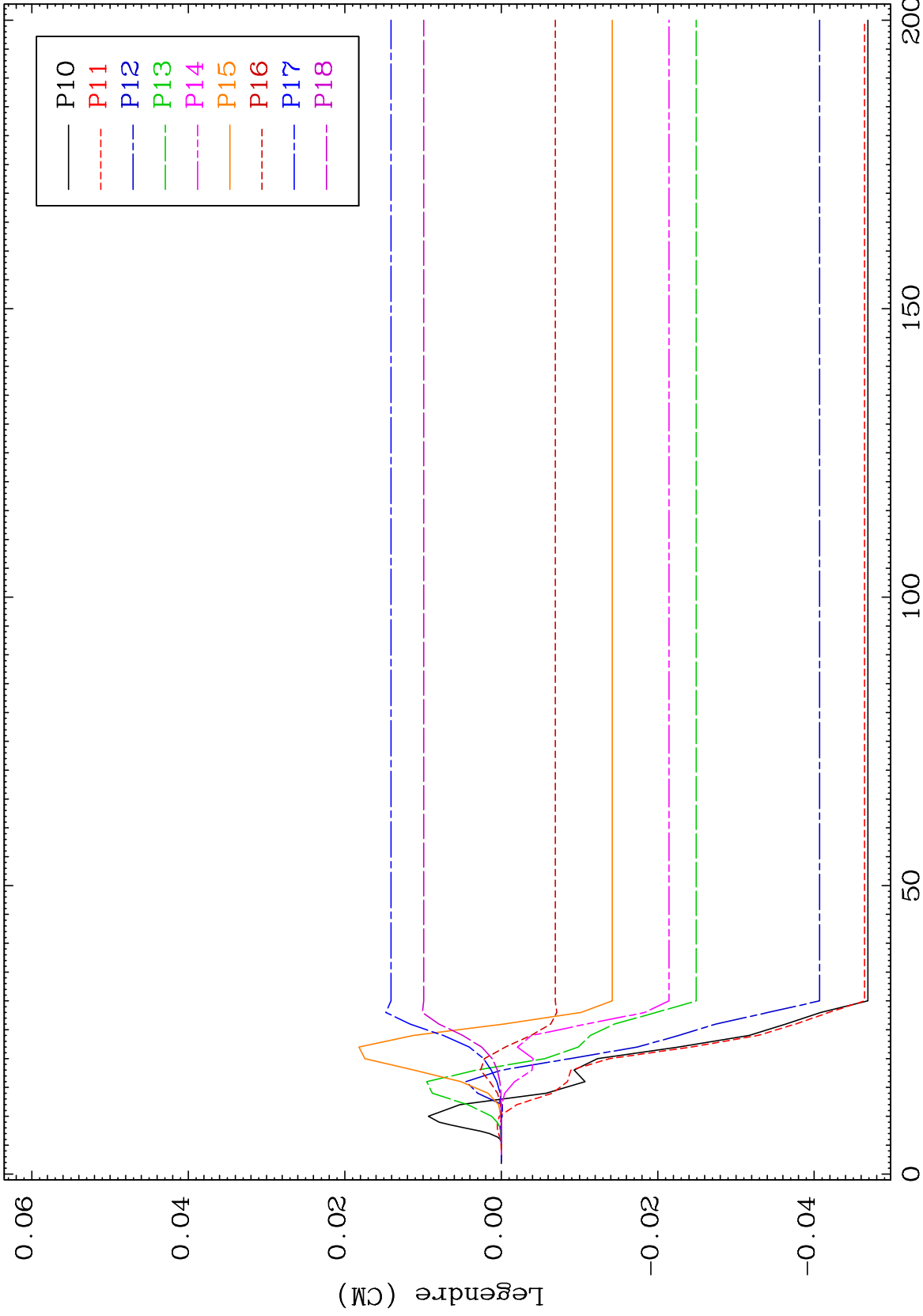


43 Incident Energy (MeV) 56-Ba-137

MAT 5646

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

56-Ba-137



44

Incident Energy (MeV)

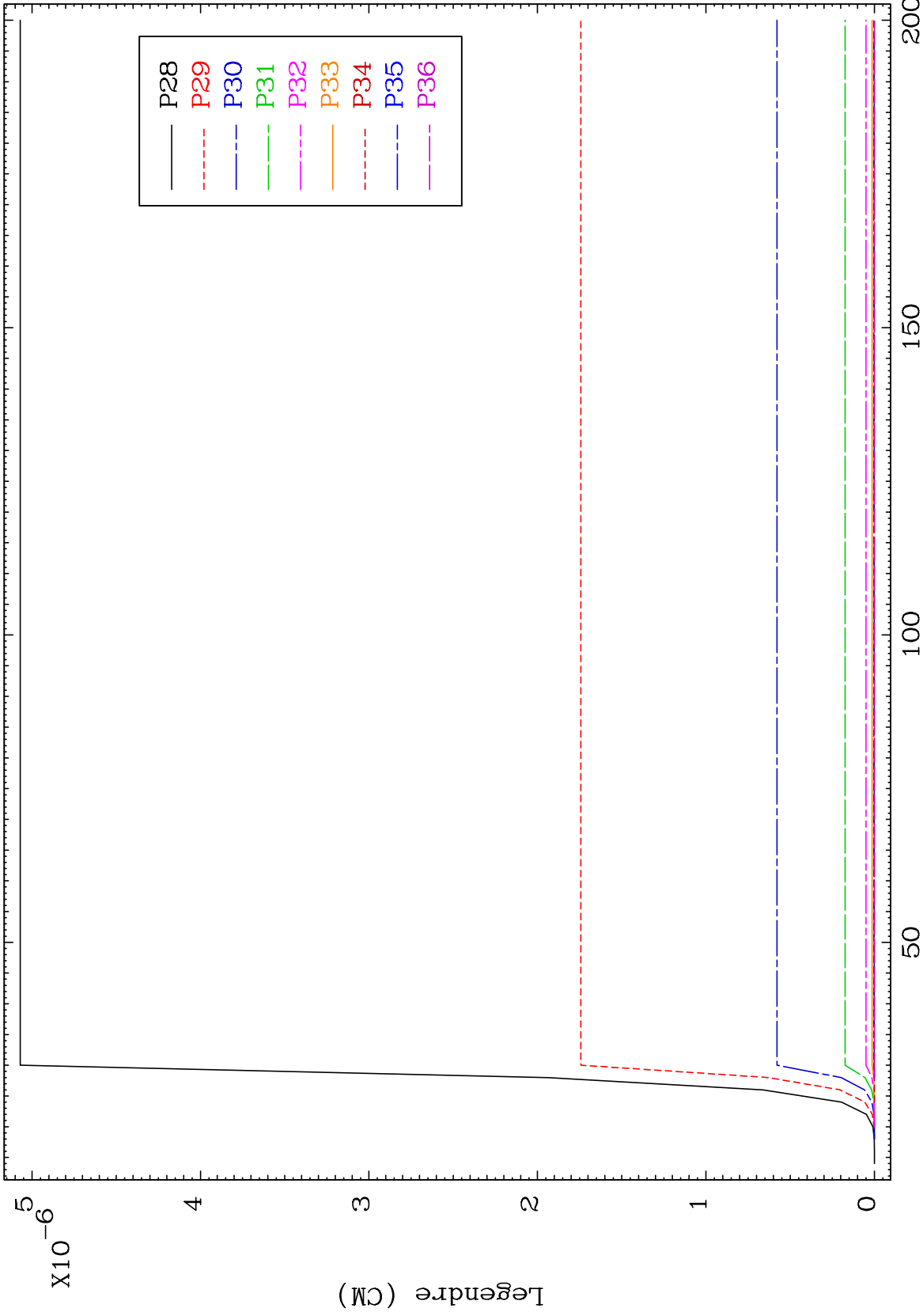
56-Ba-137



MAT 5646

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

56-Ba-137



46

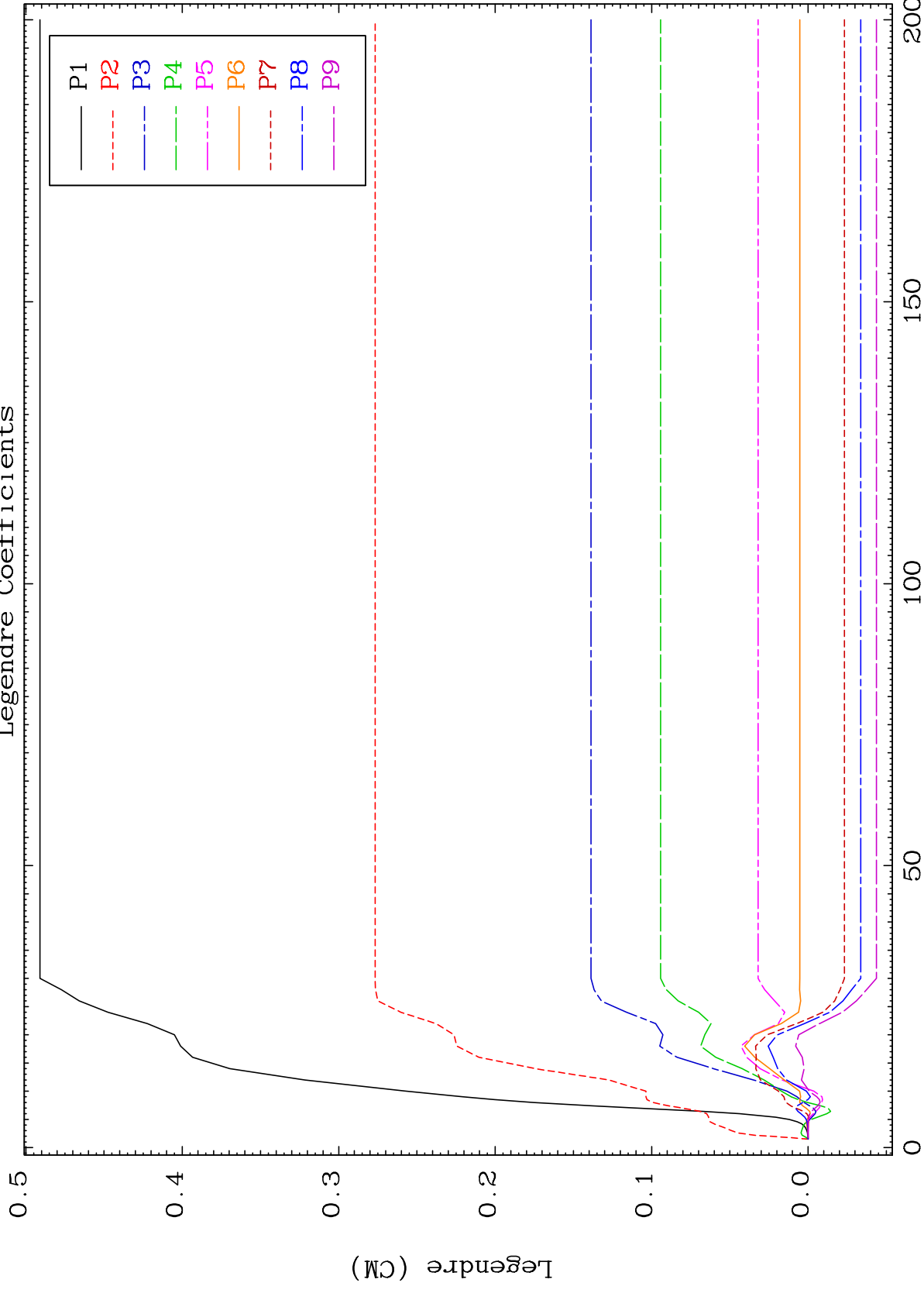
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

Incident Energy (MeV)

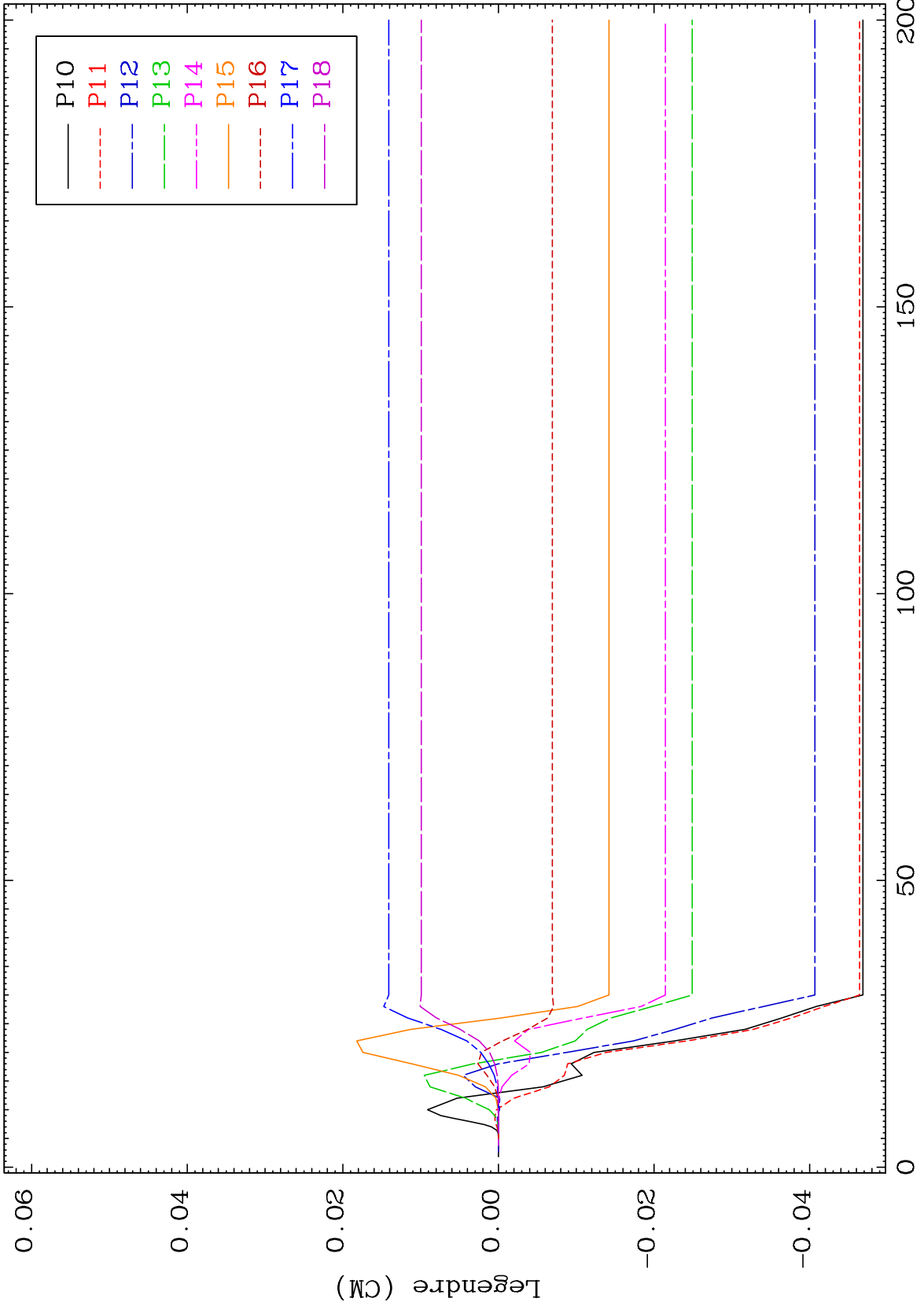
47



MAT 5646

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

56-Ba-137



48

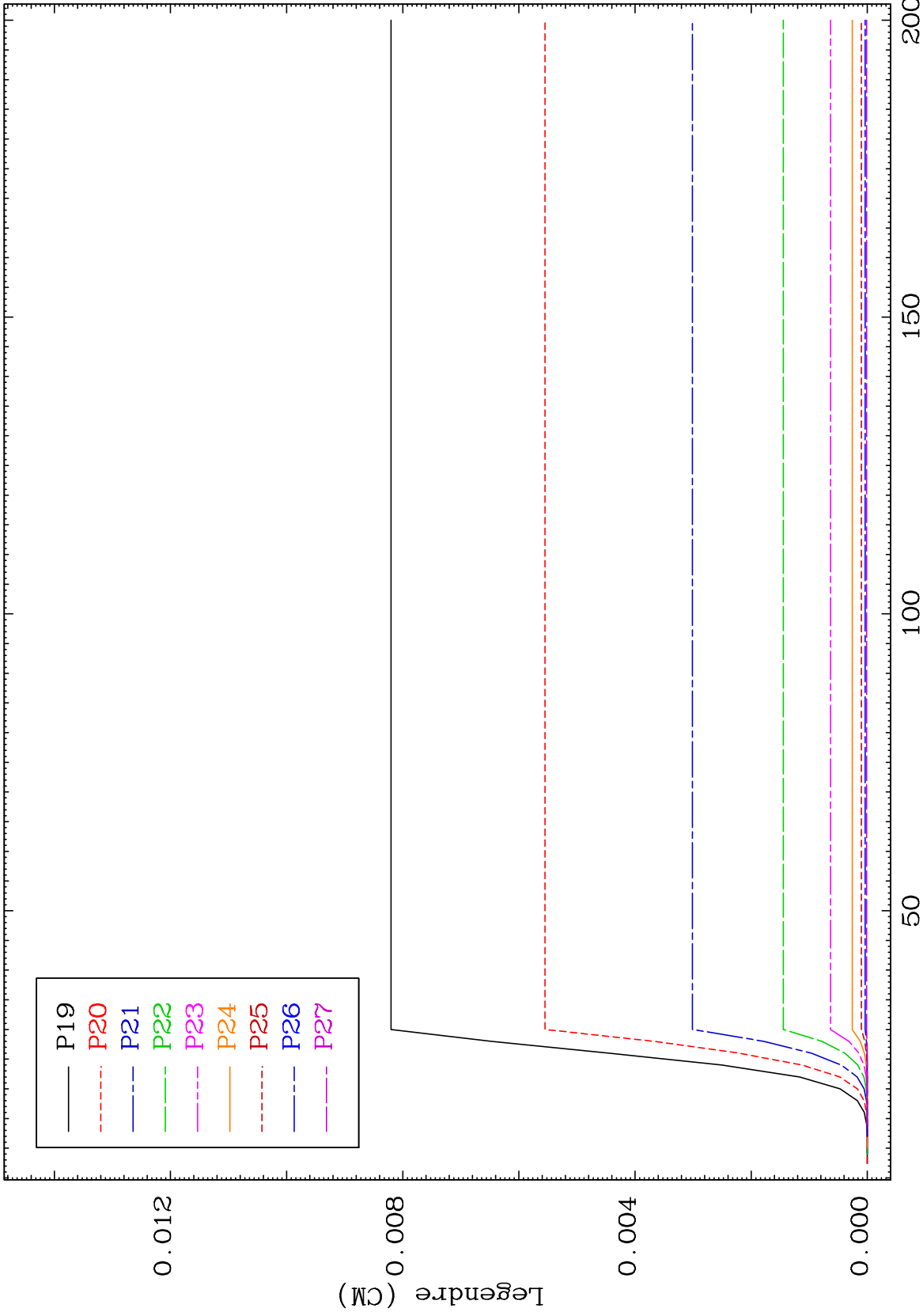
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



49

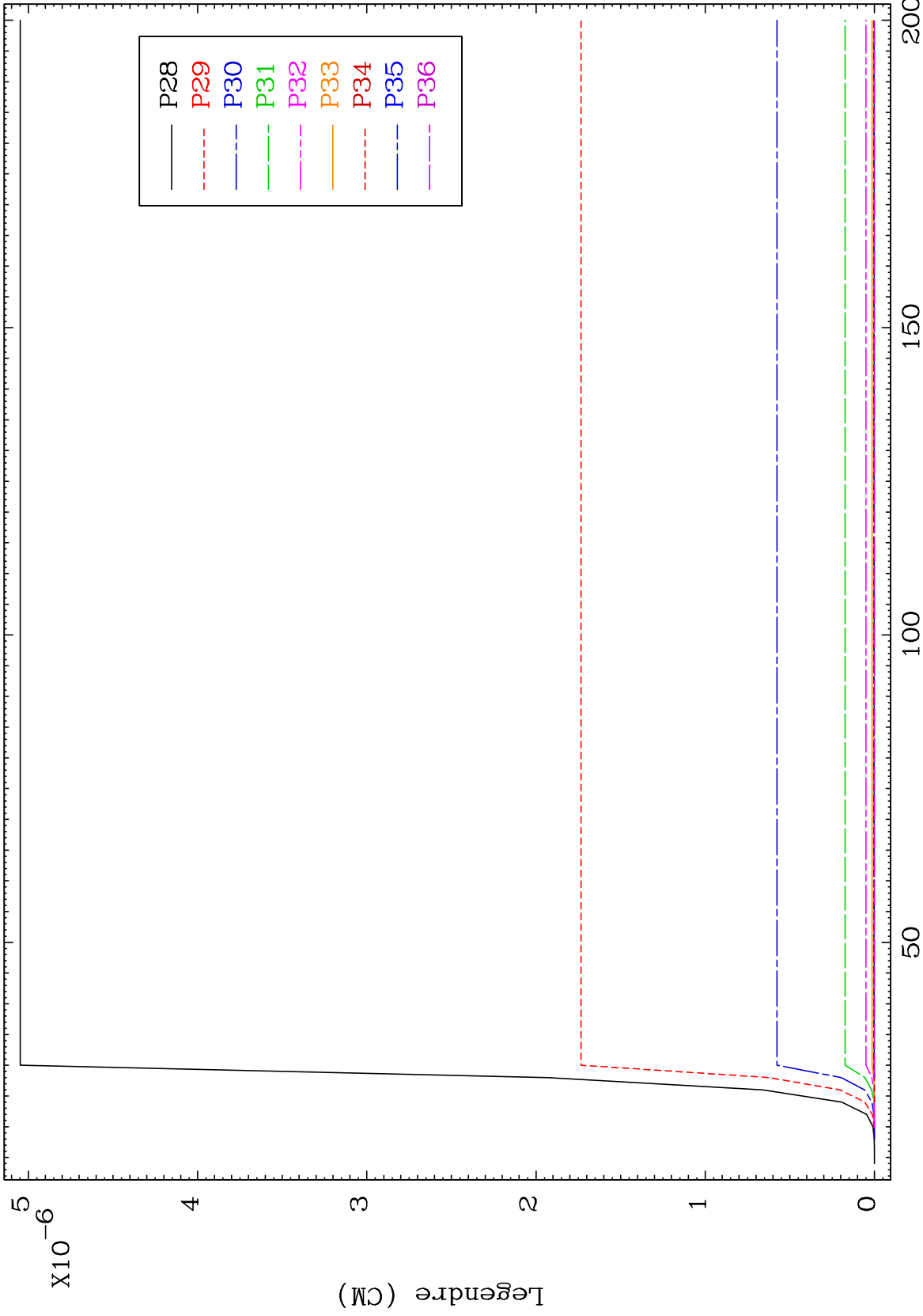
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



50

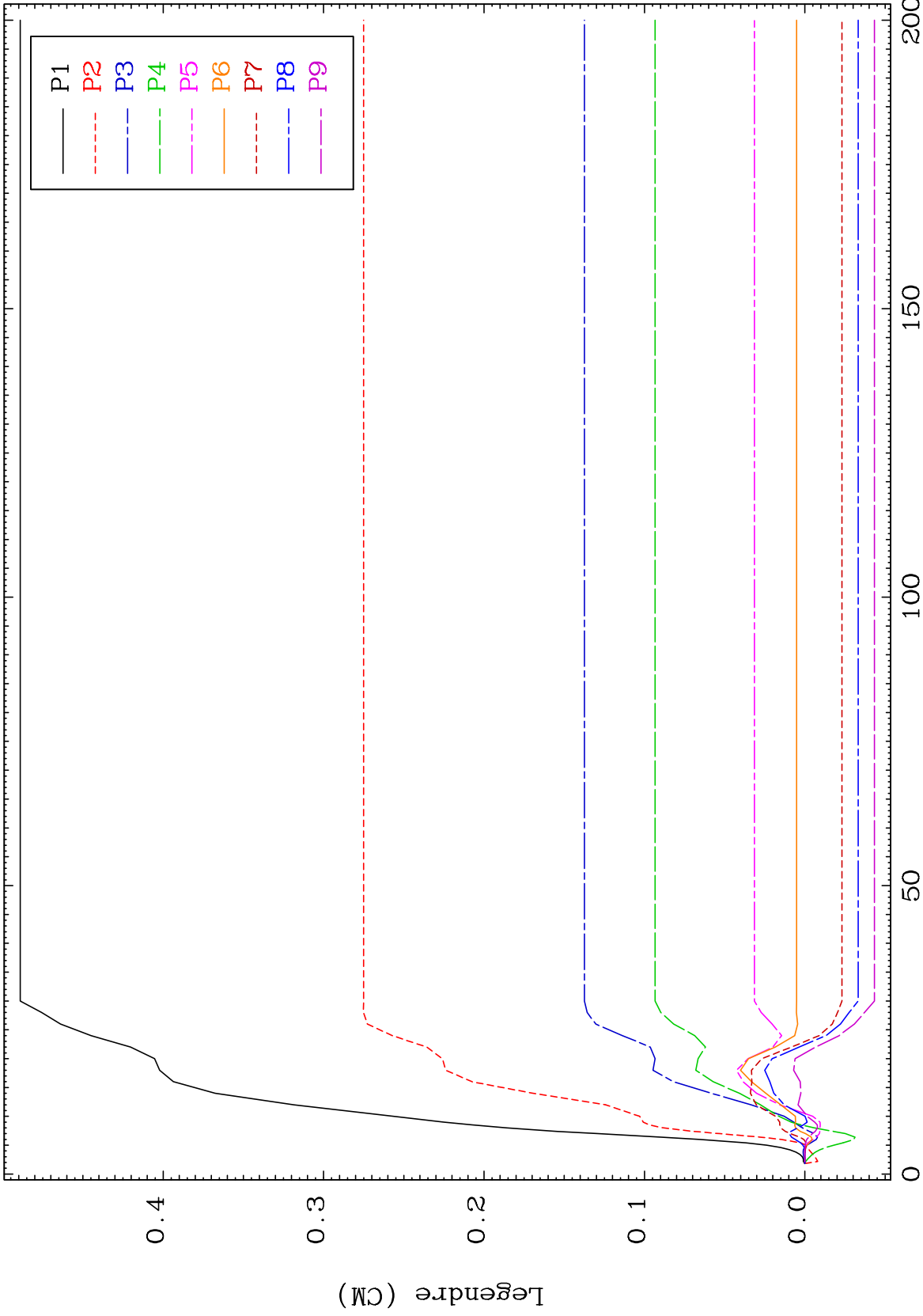
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



51

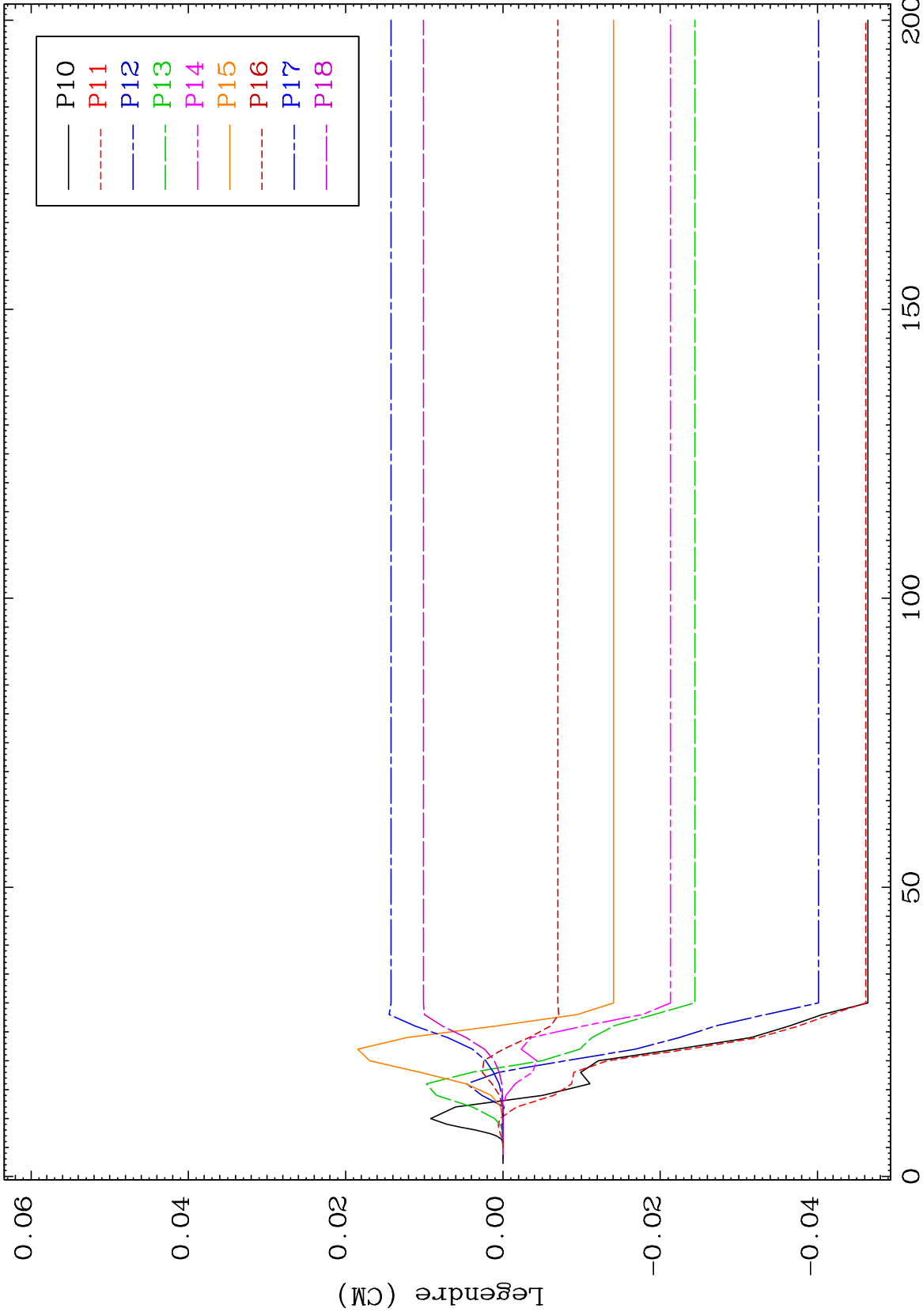
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



52

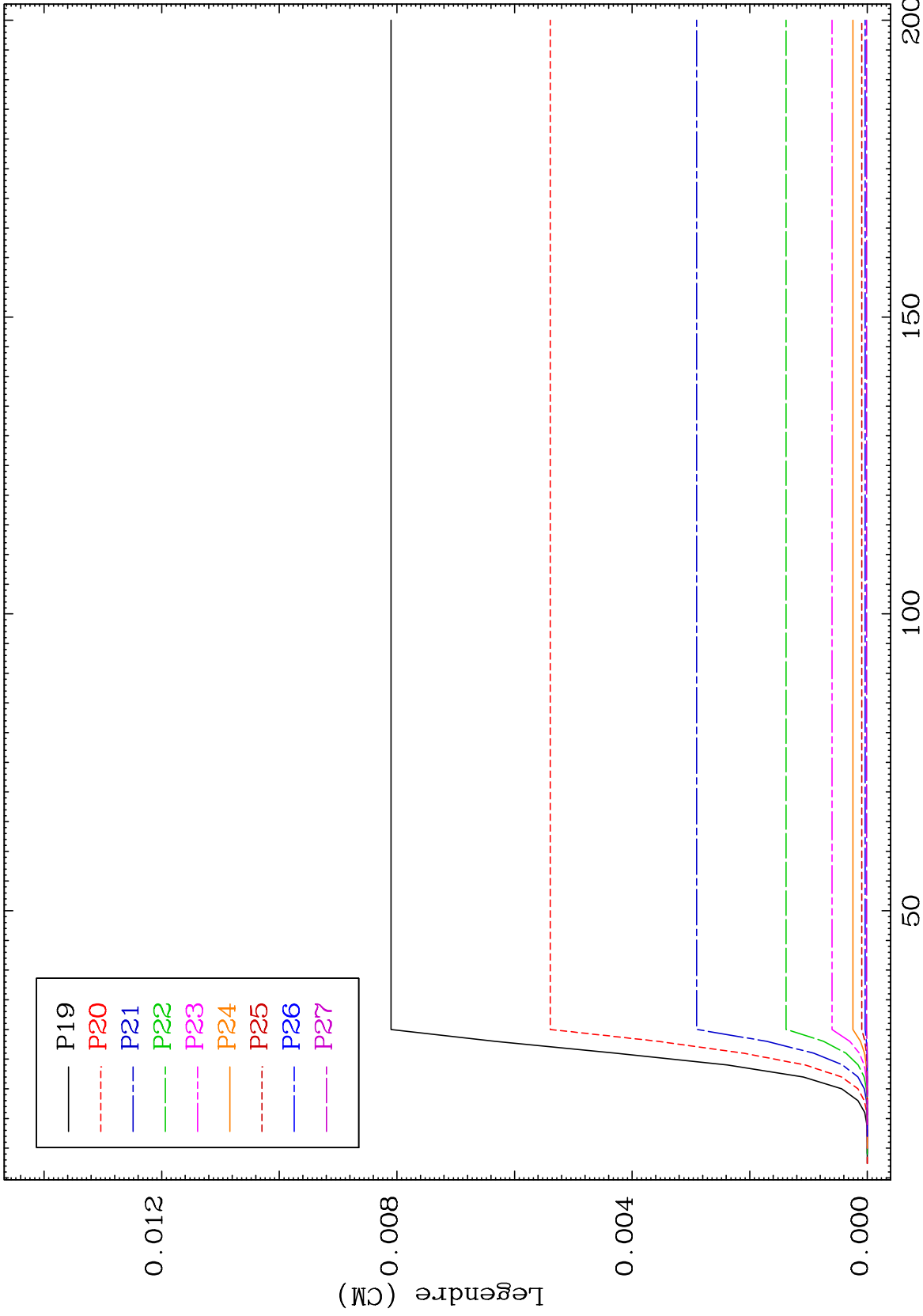
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



53

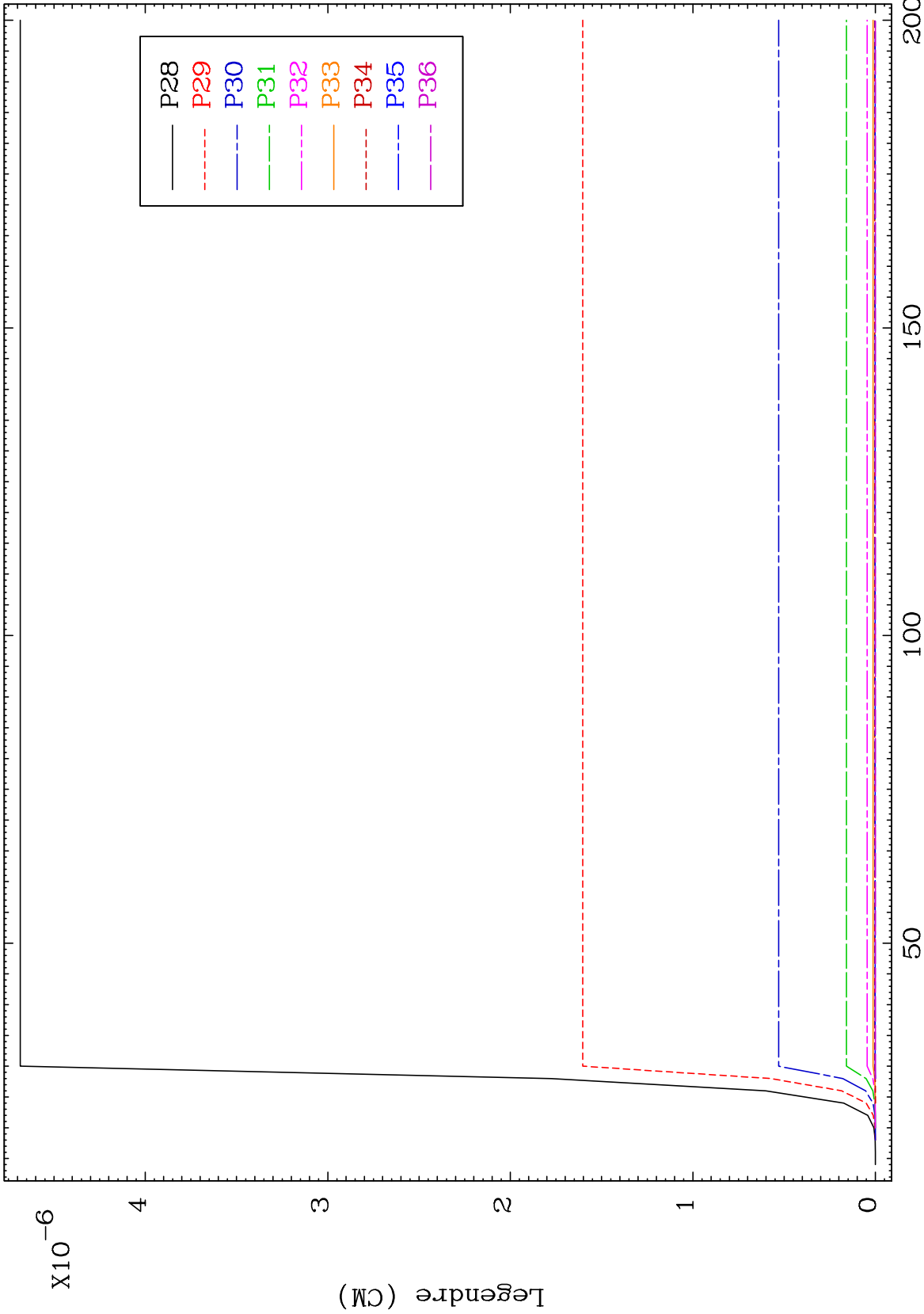
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



54

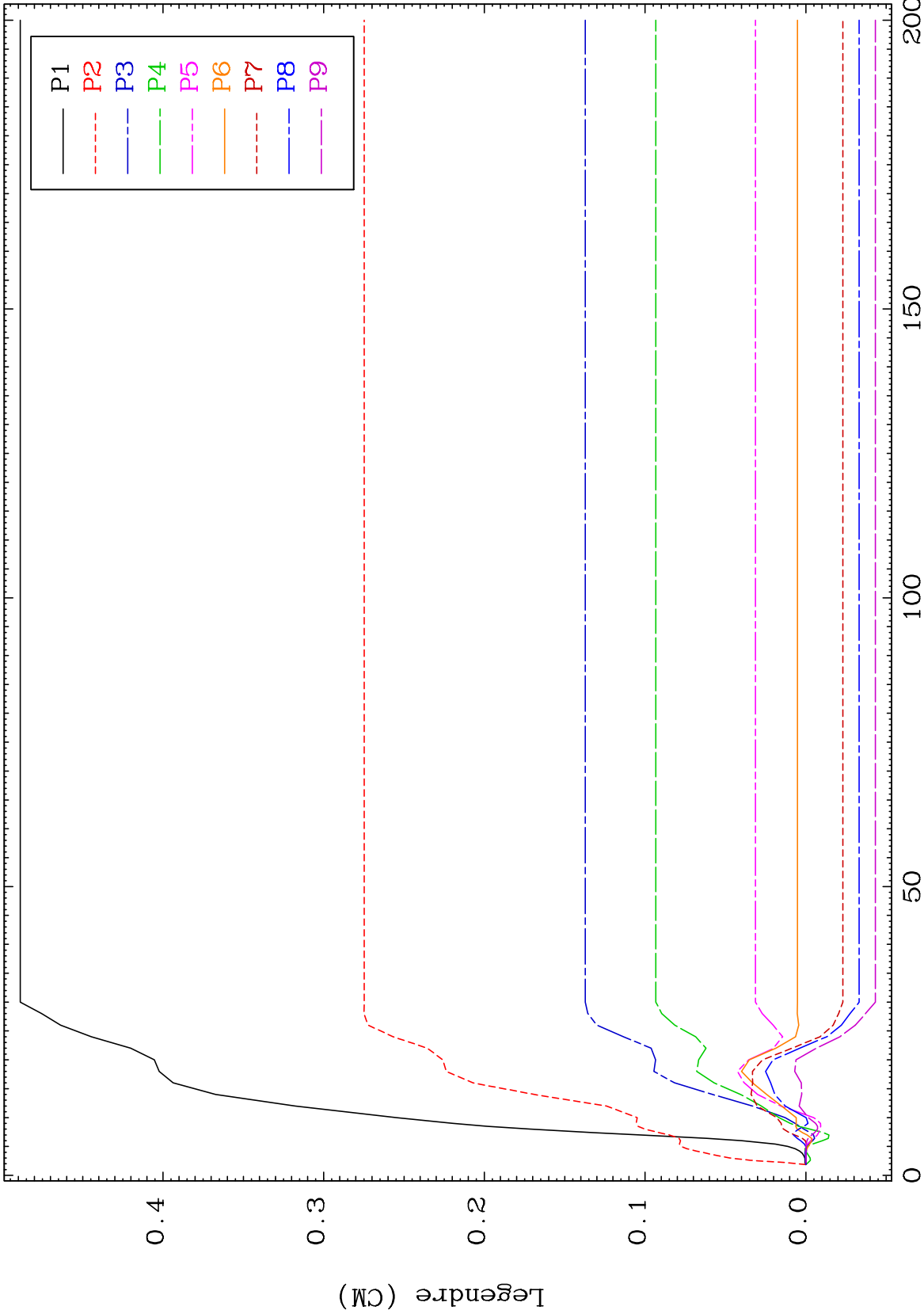
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



55

Incident Energy (MeV)

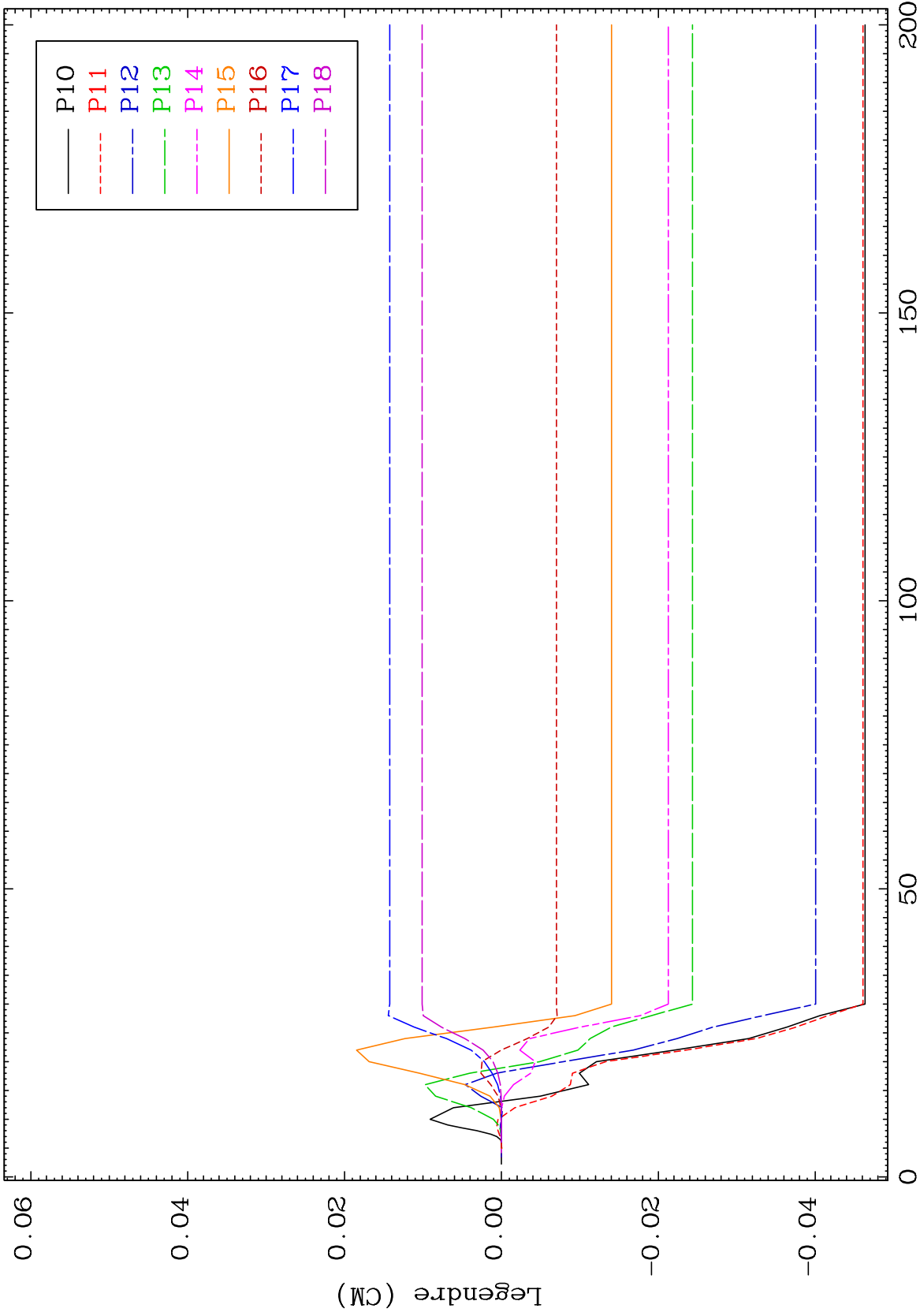
56-Ba-137



MAT 5646

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

56-Ba-137



56

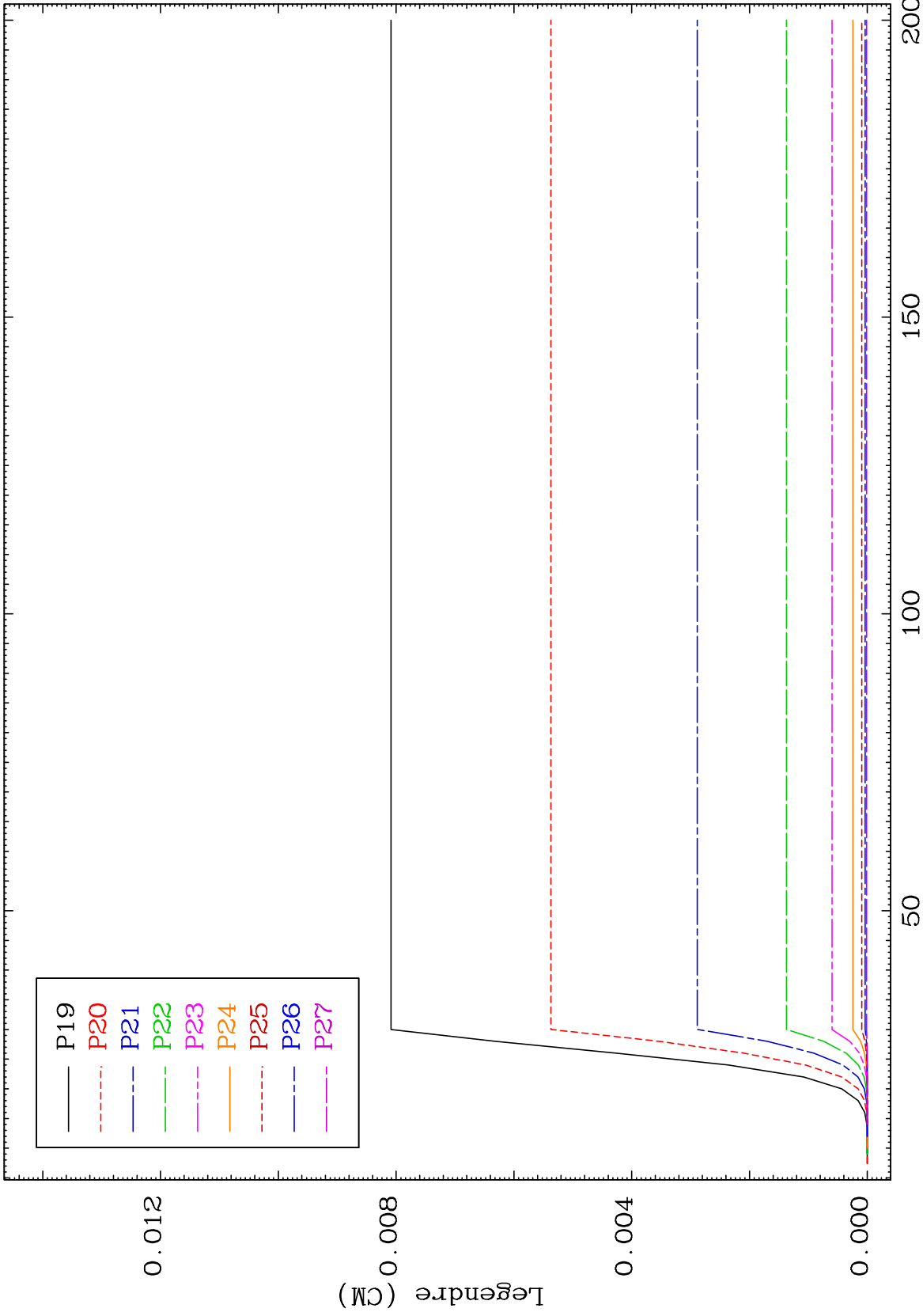
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



57

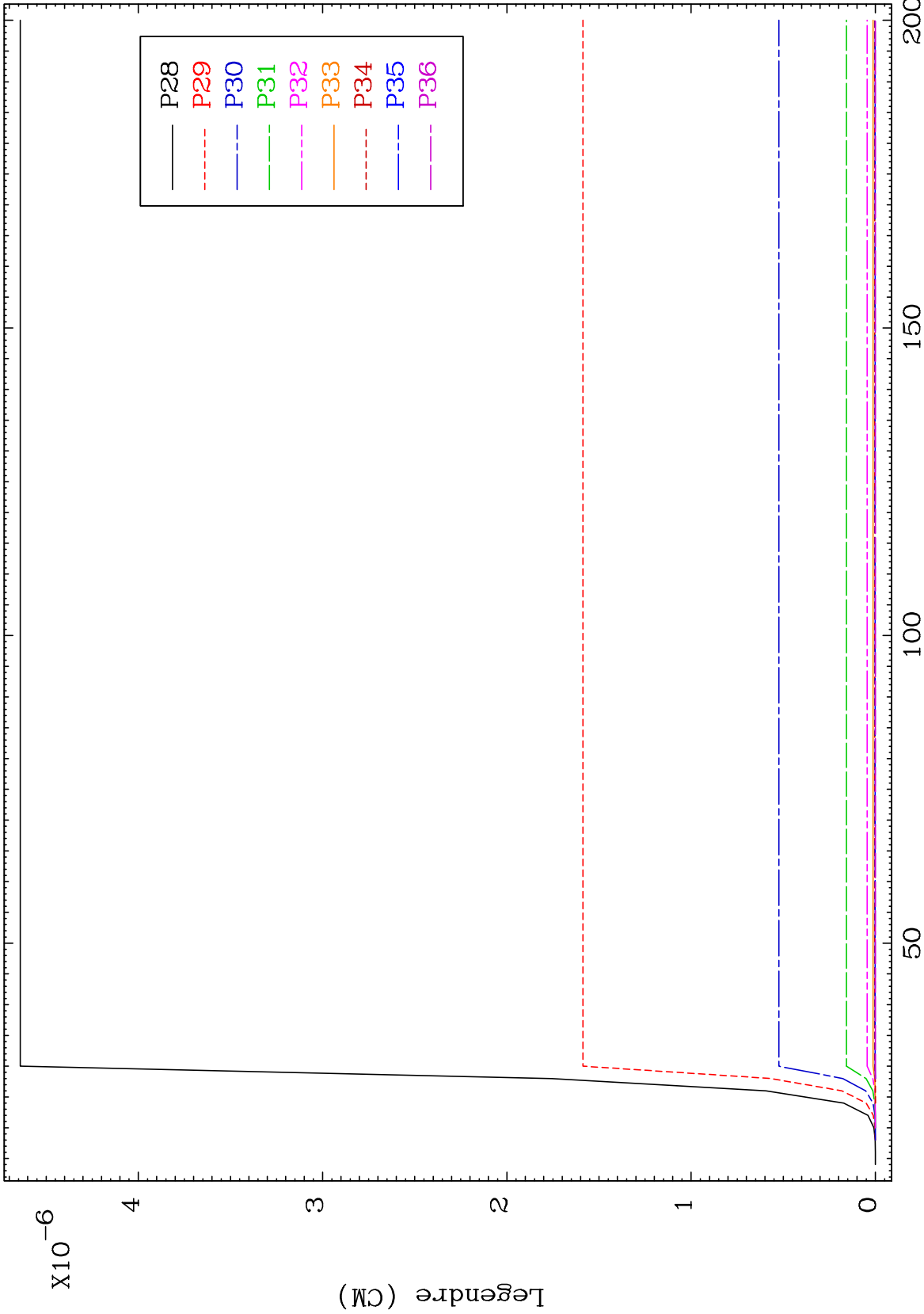
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



58

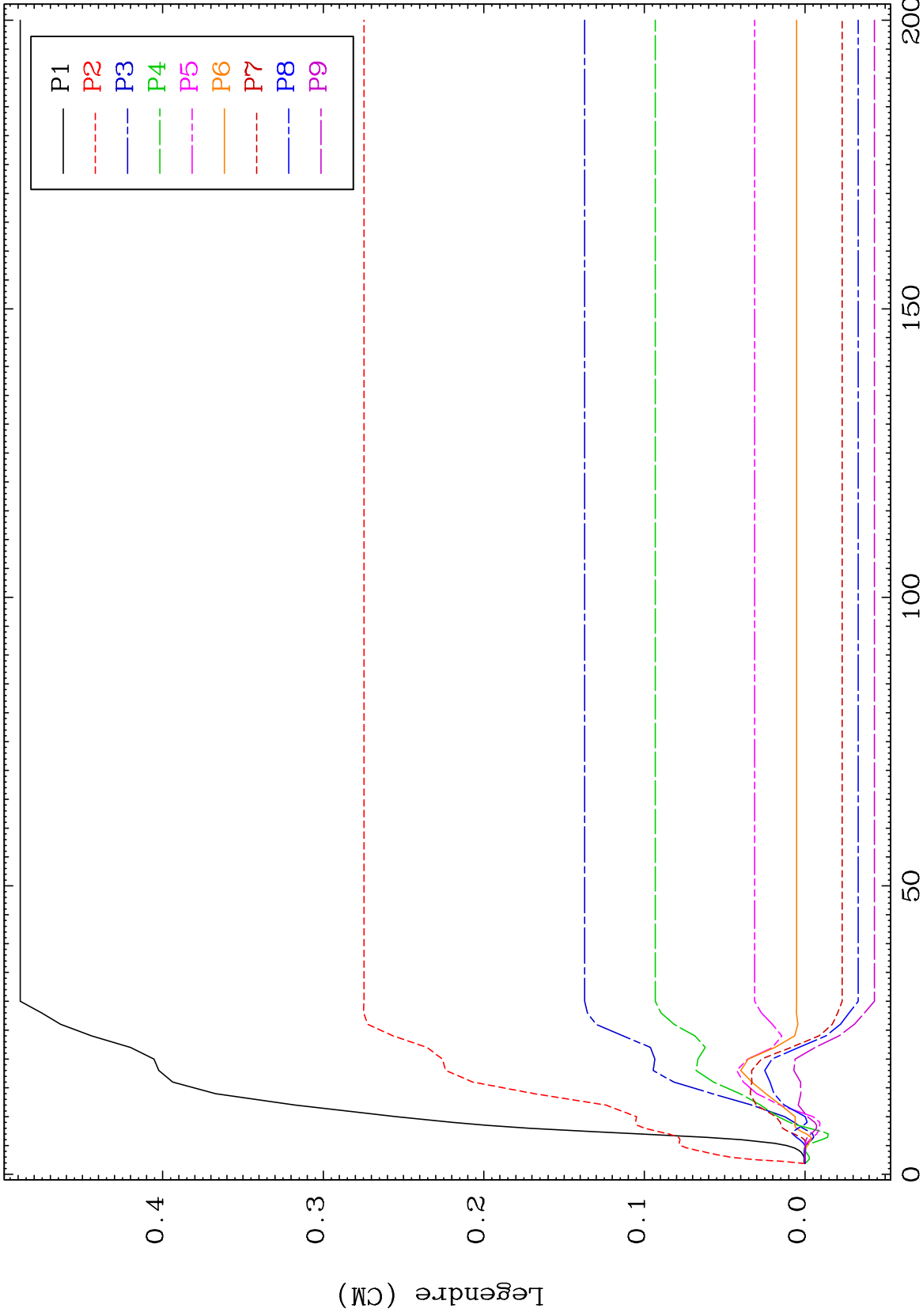
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



59

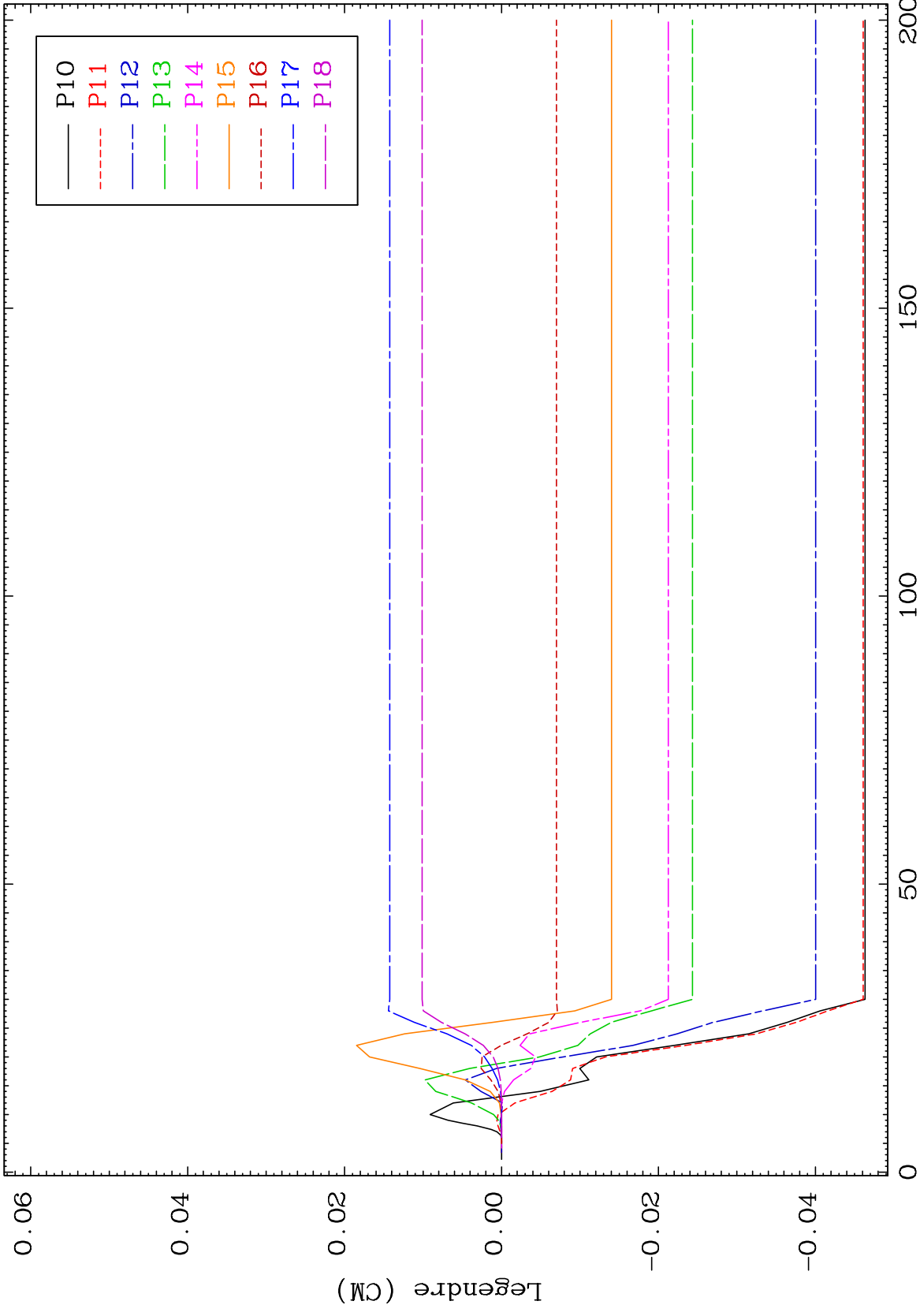
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



60

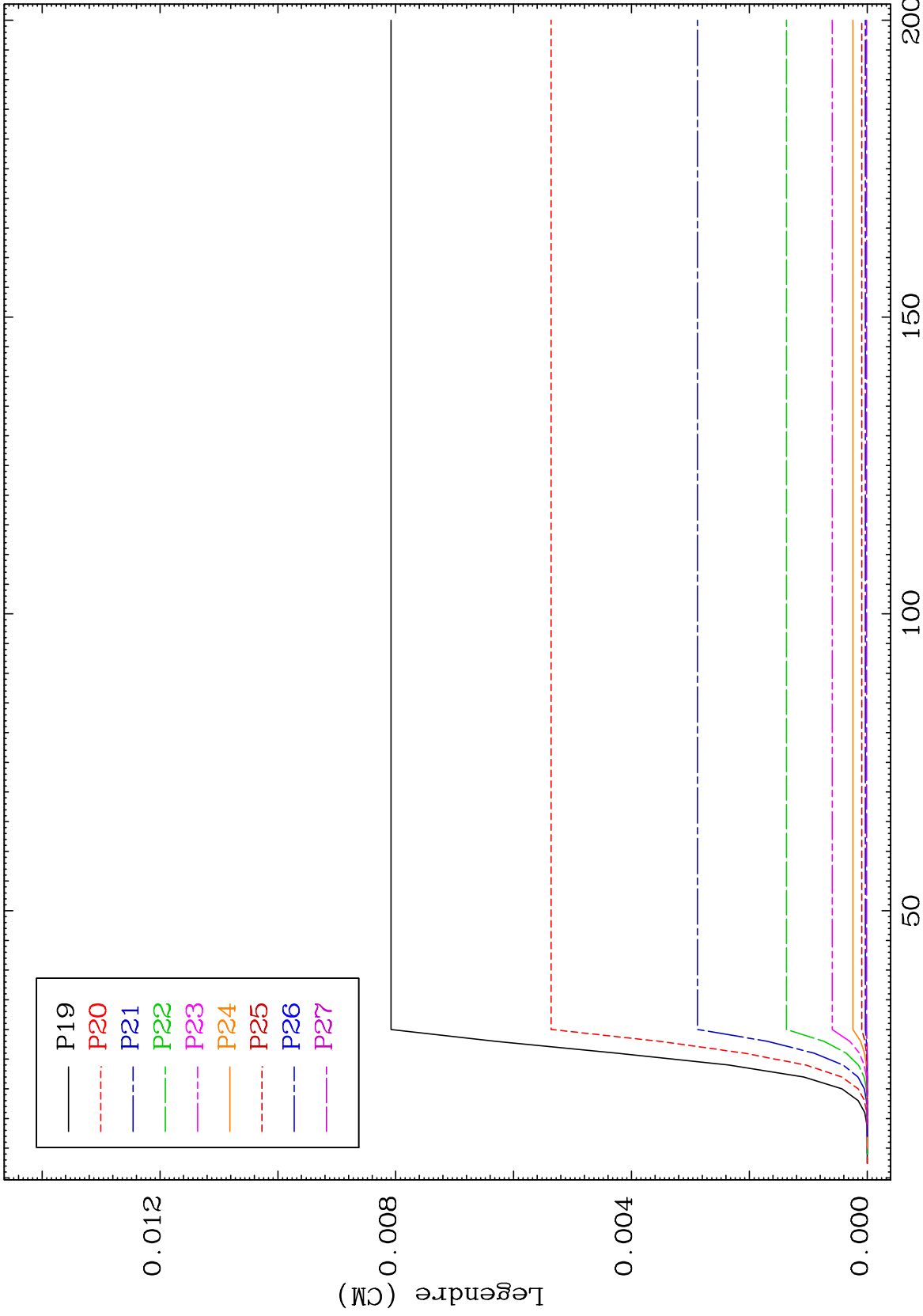
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



61

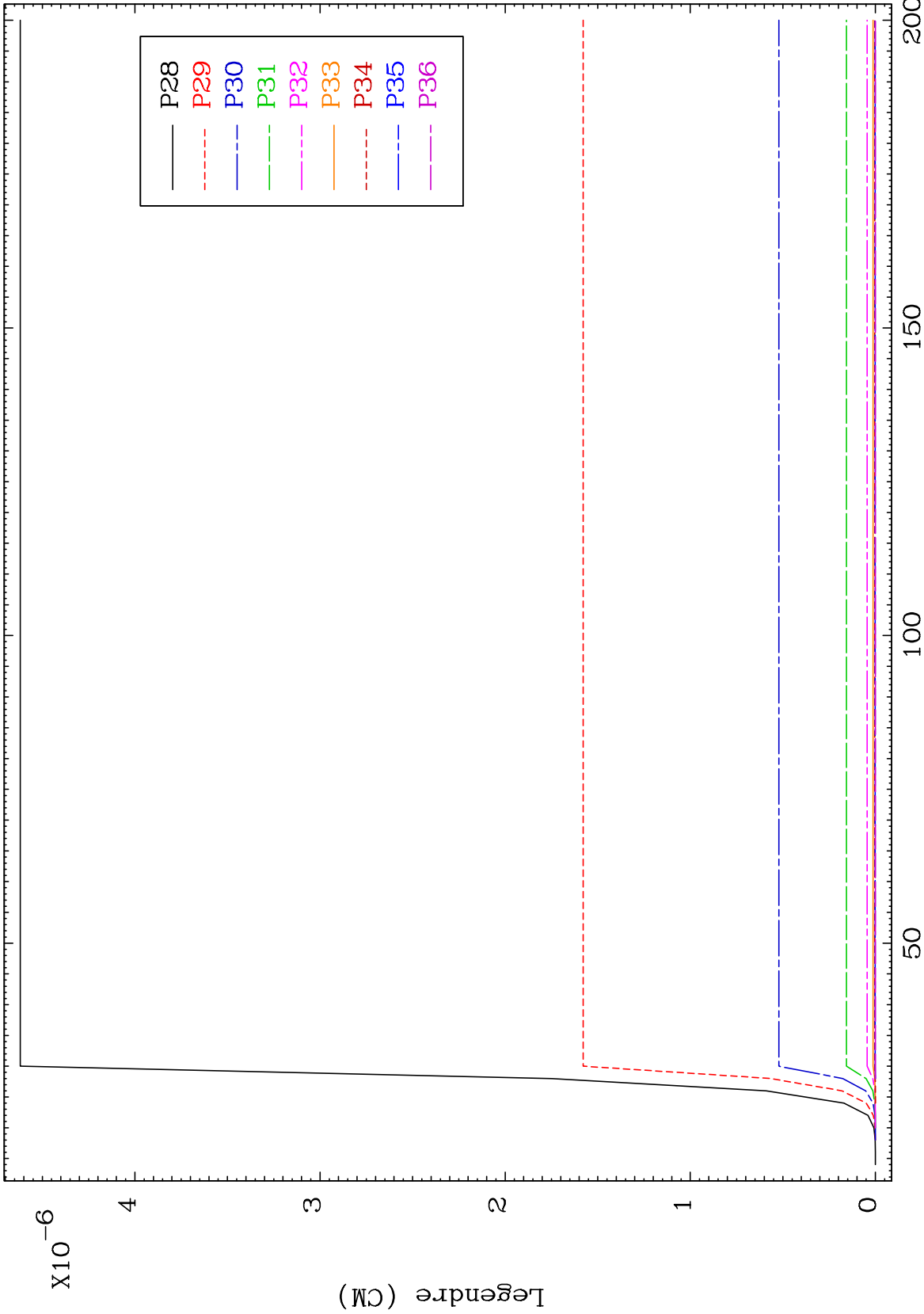
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



62

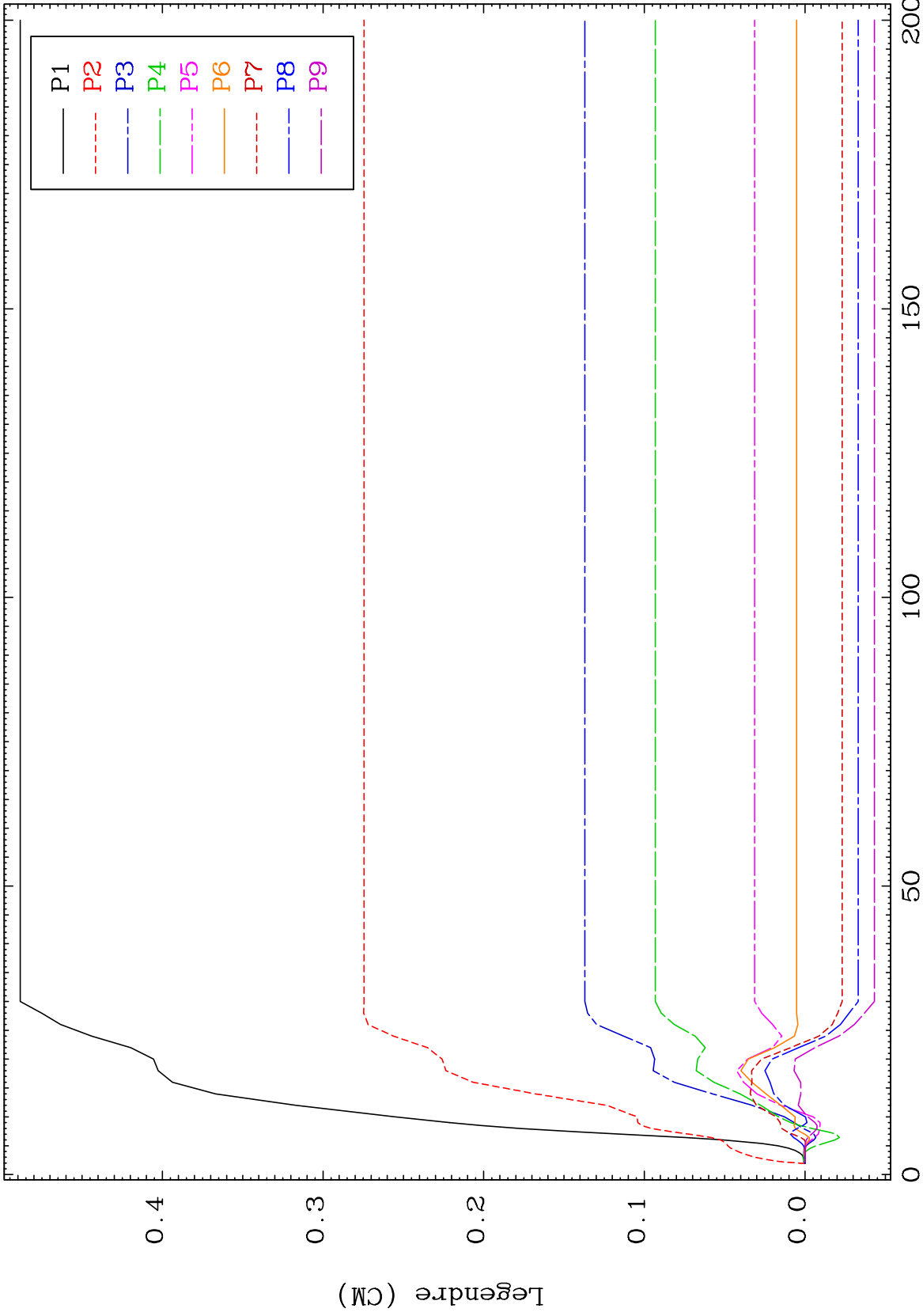
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



63

Incident Energy (MeV)

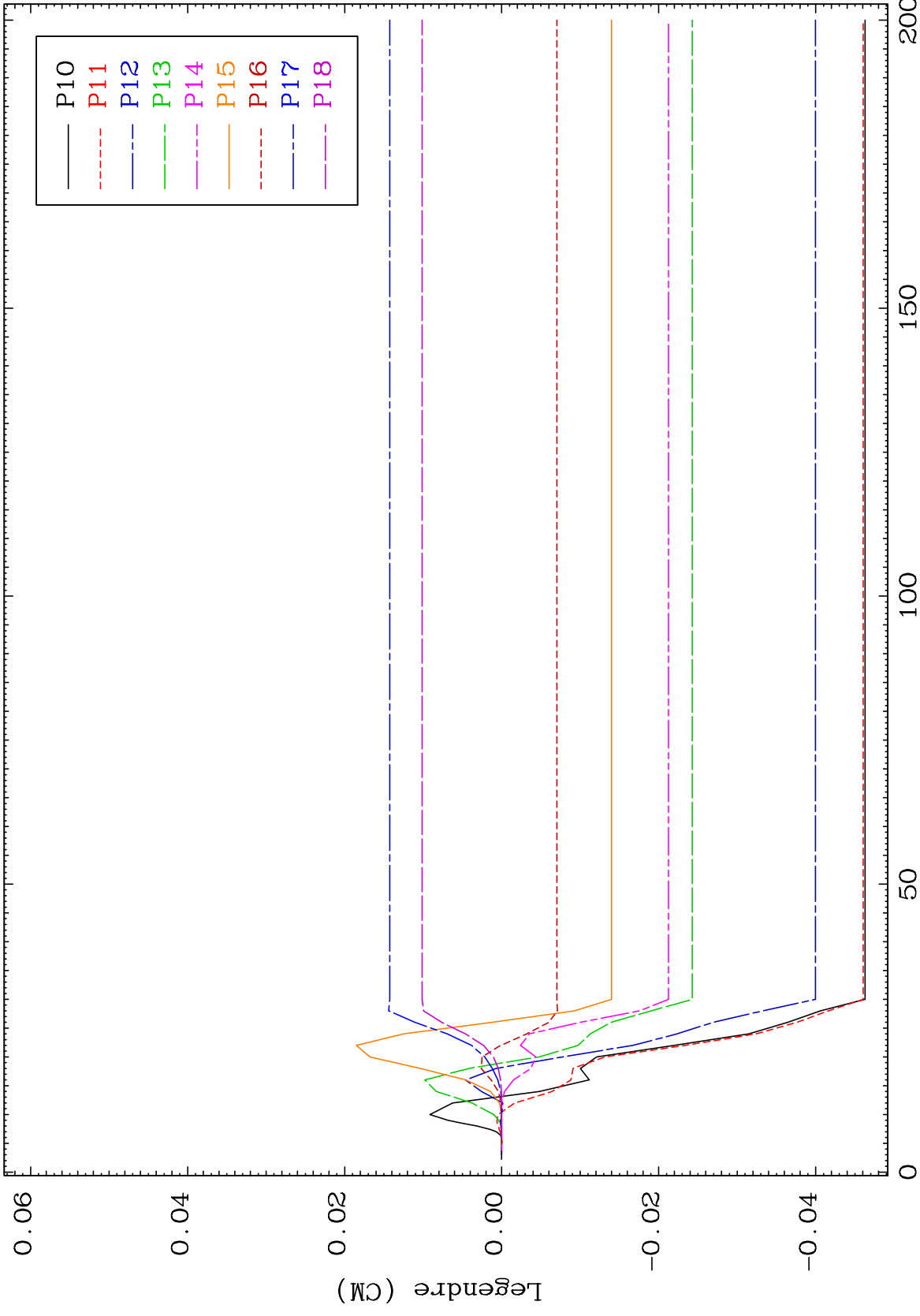
56-Ba-137



MAT 5646

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

56-Ba-137



64

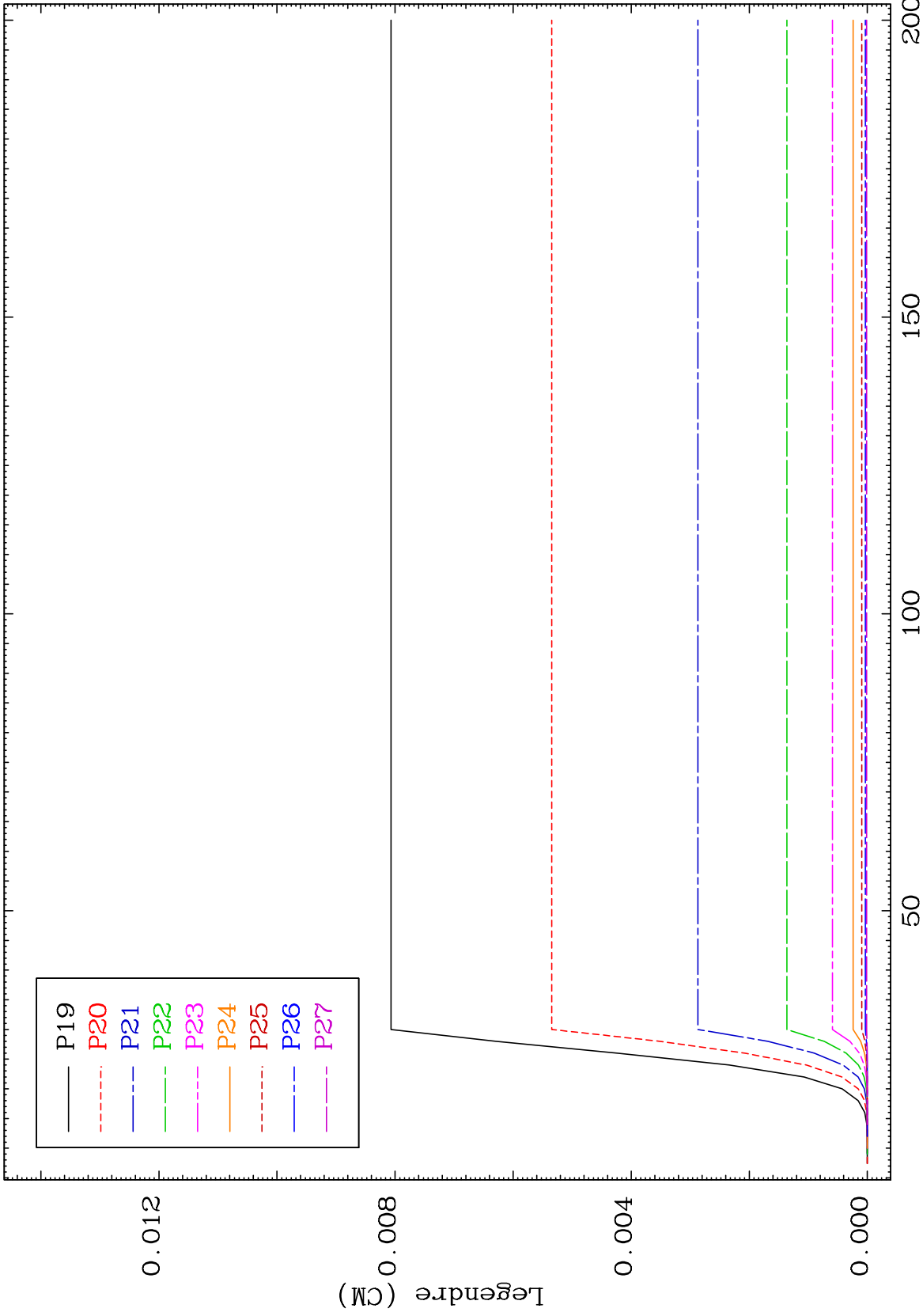
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



65

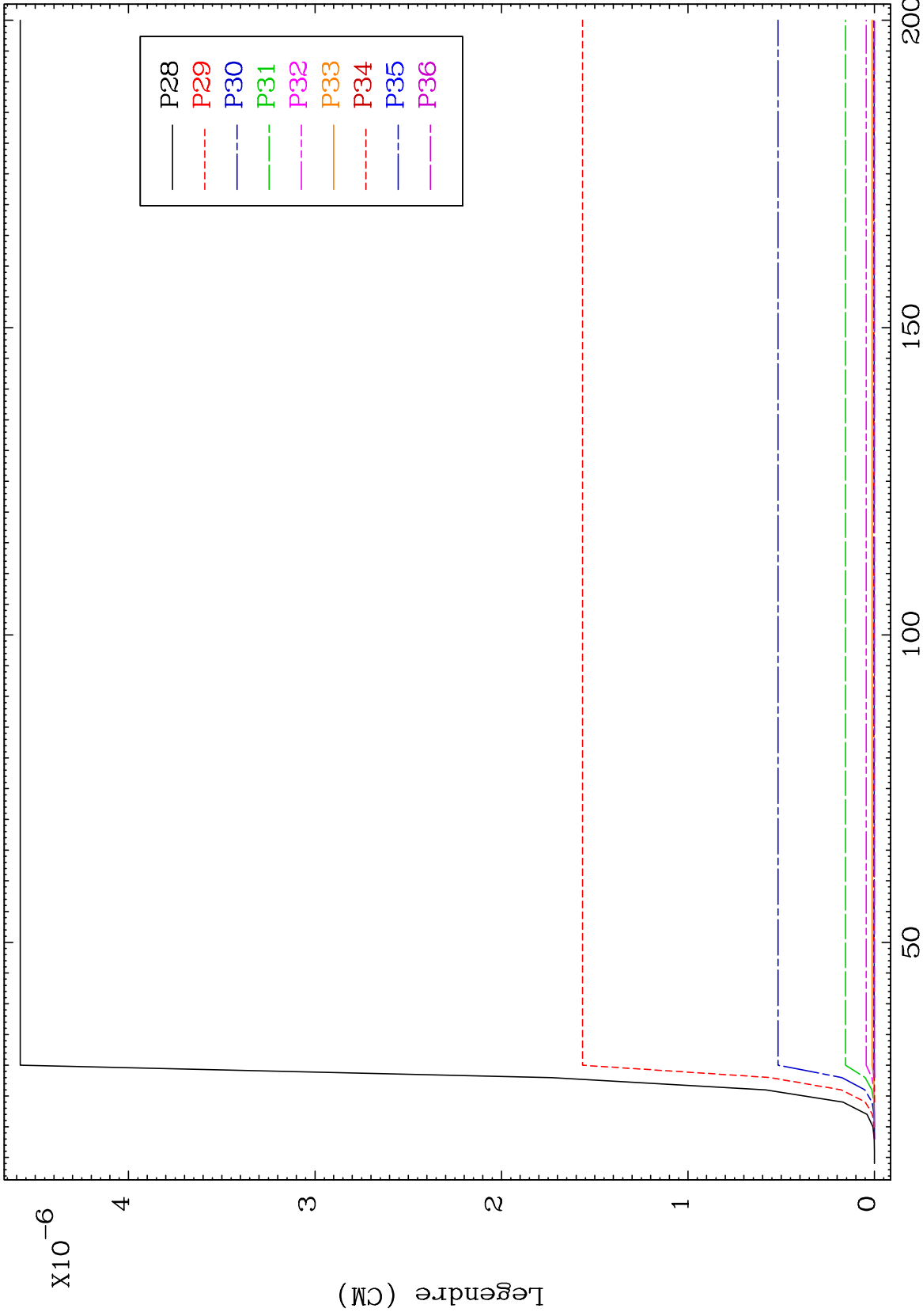
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



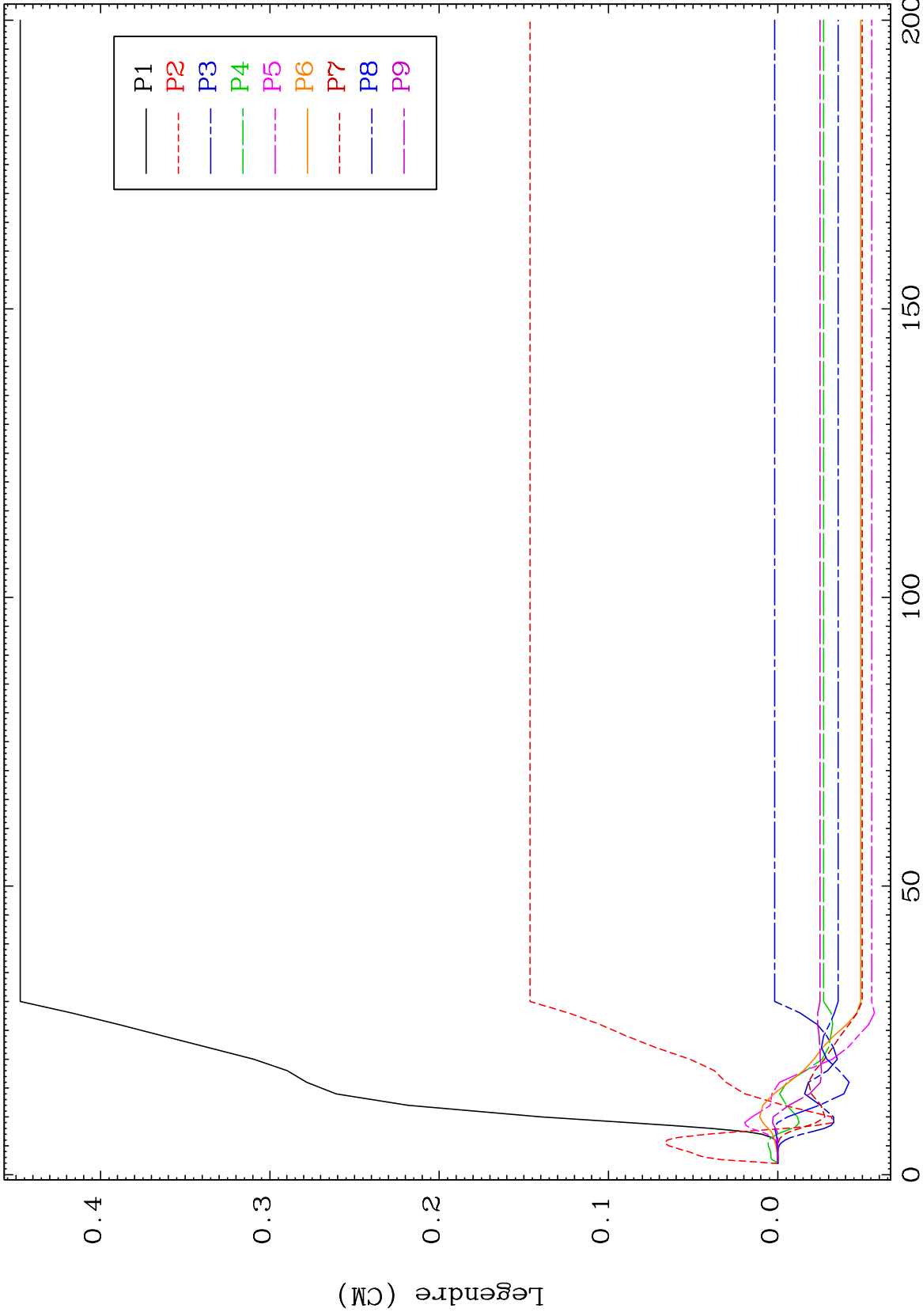
66

56-Ba-137

MAT 5646

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

56-Ba-137



67

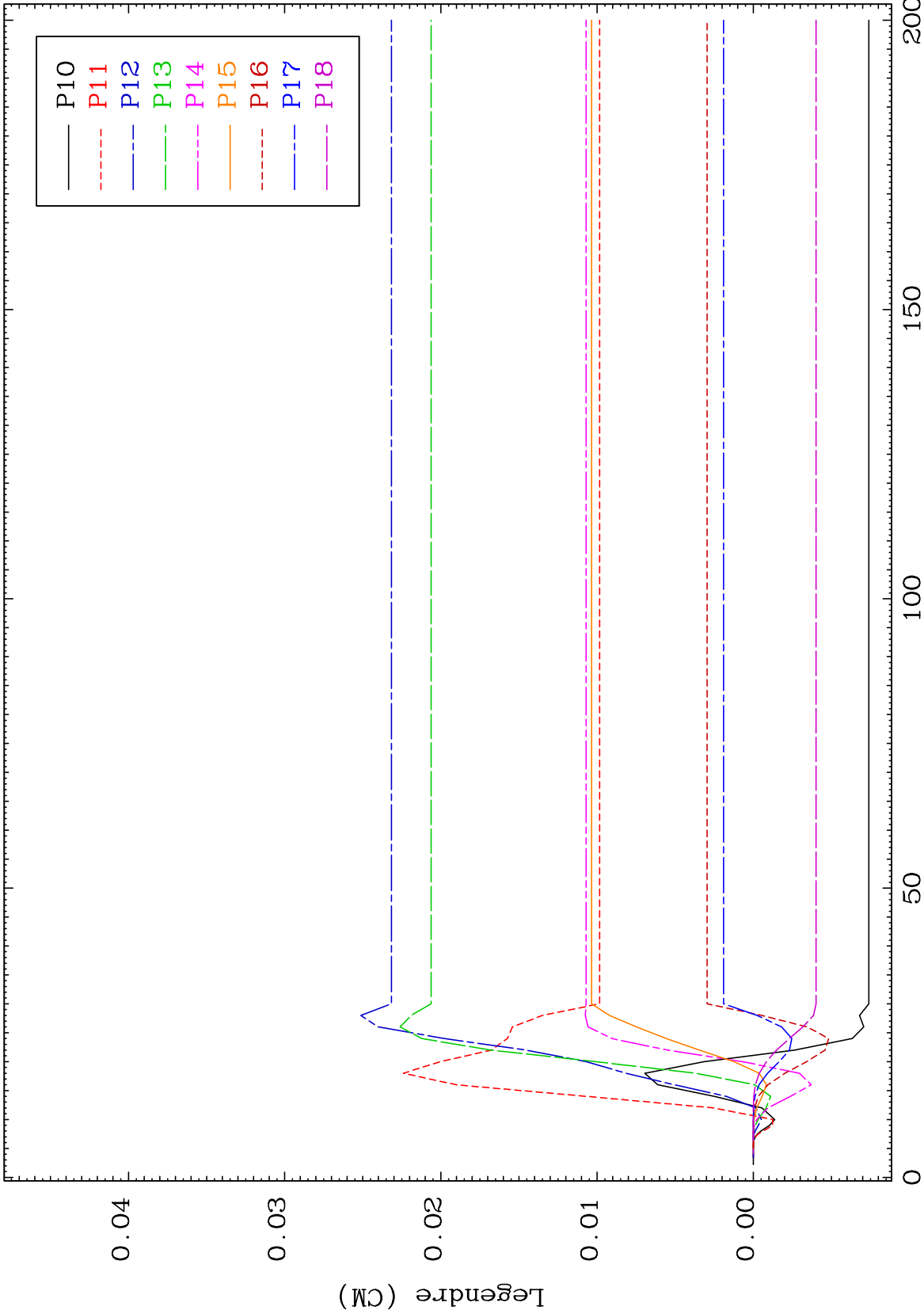
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



68

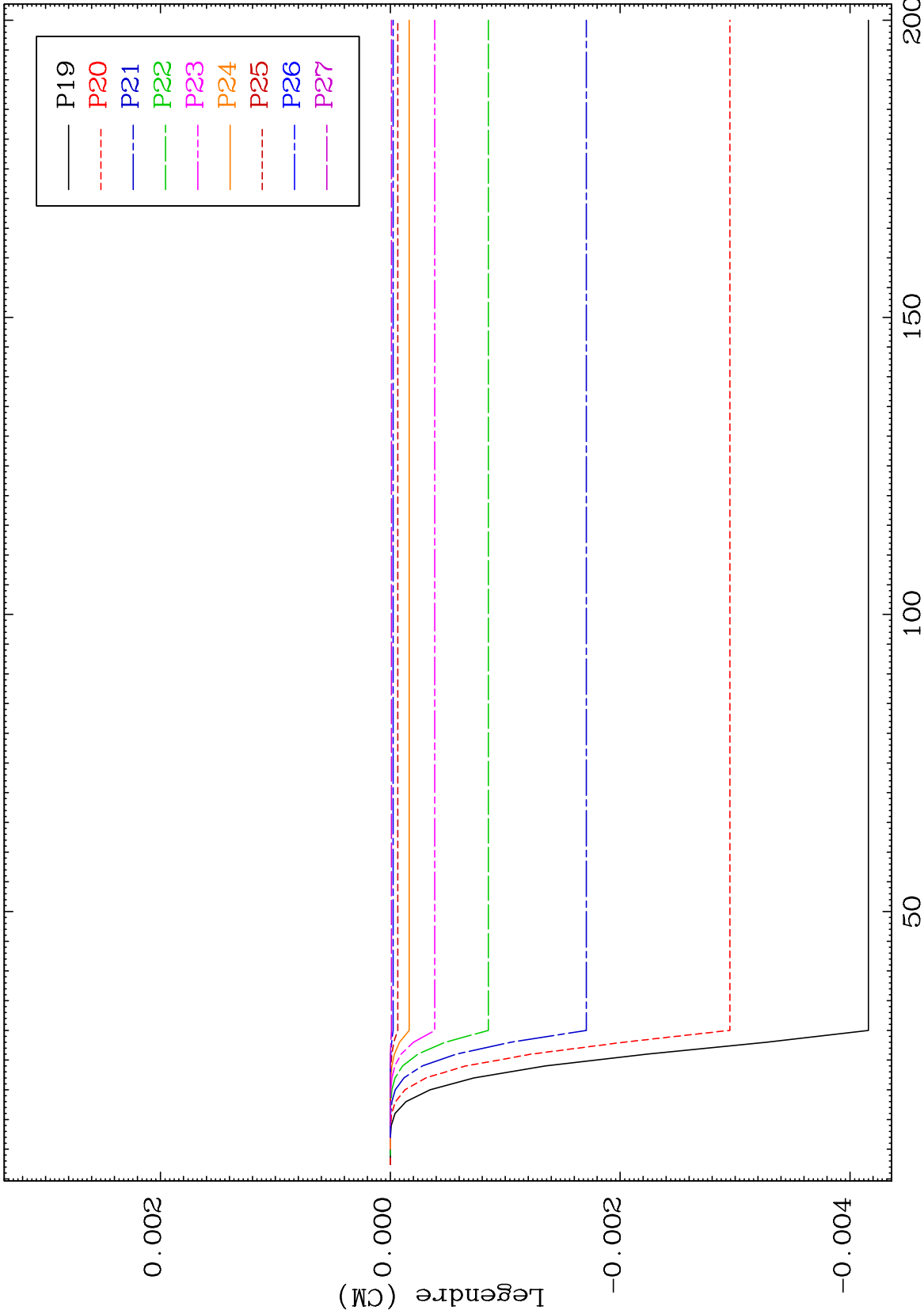
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



69

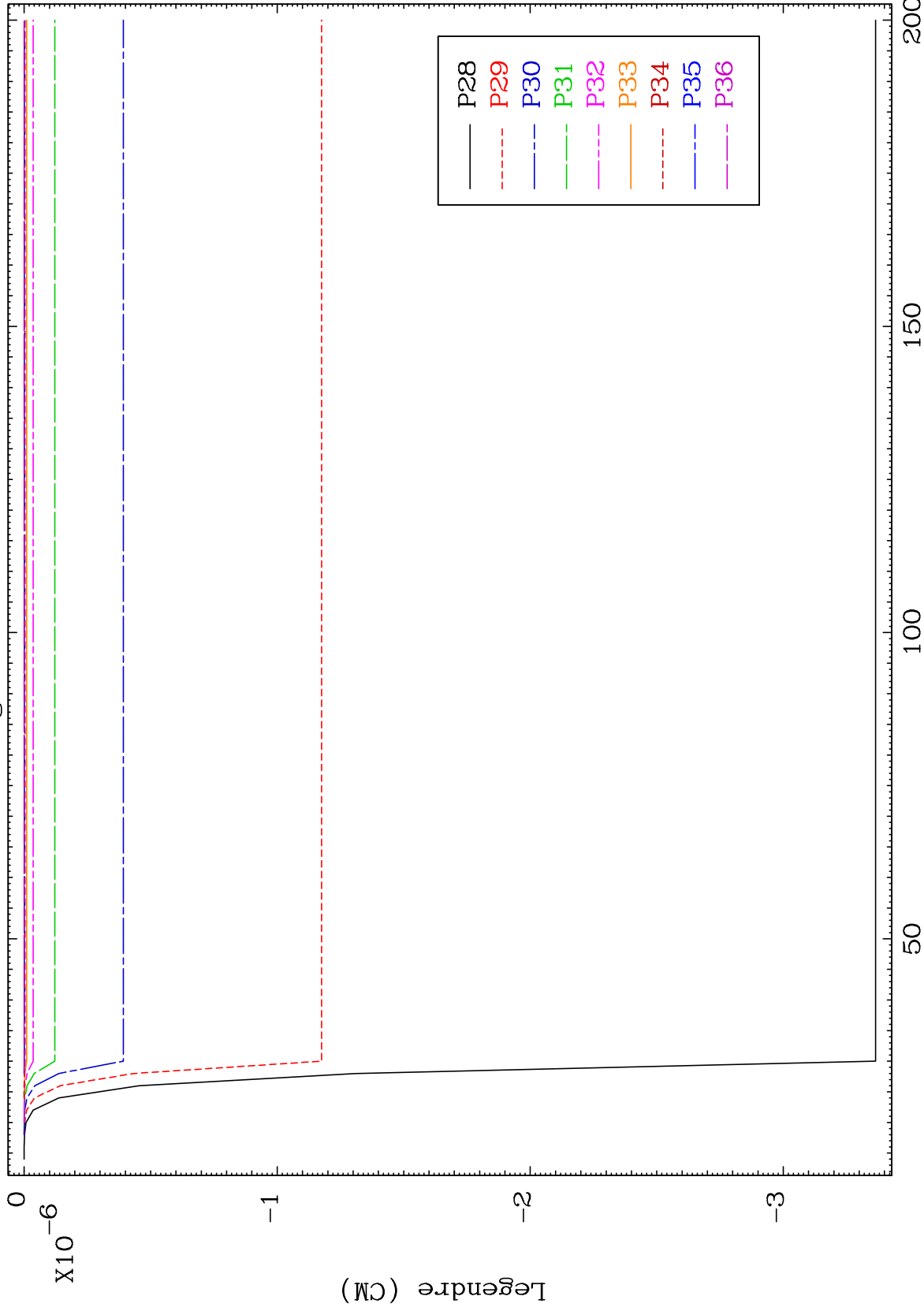
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

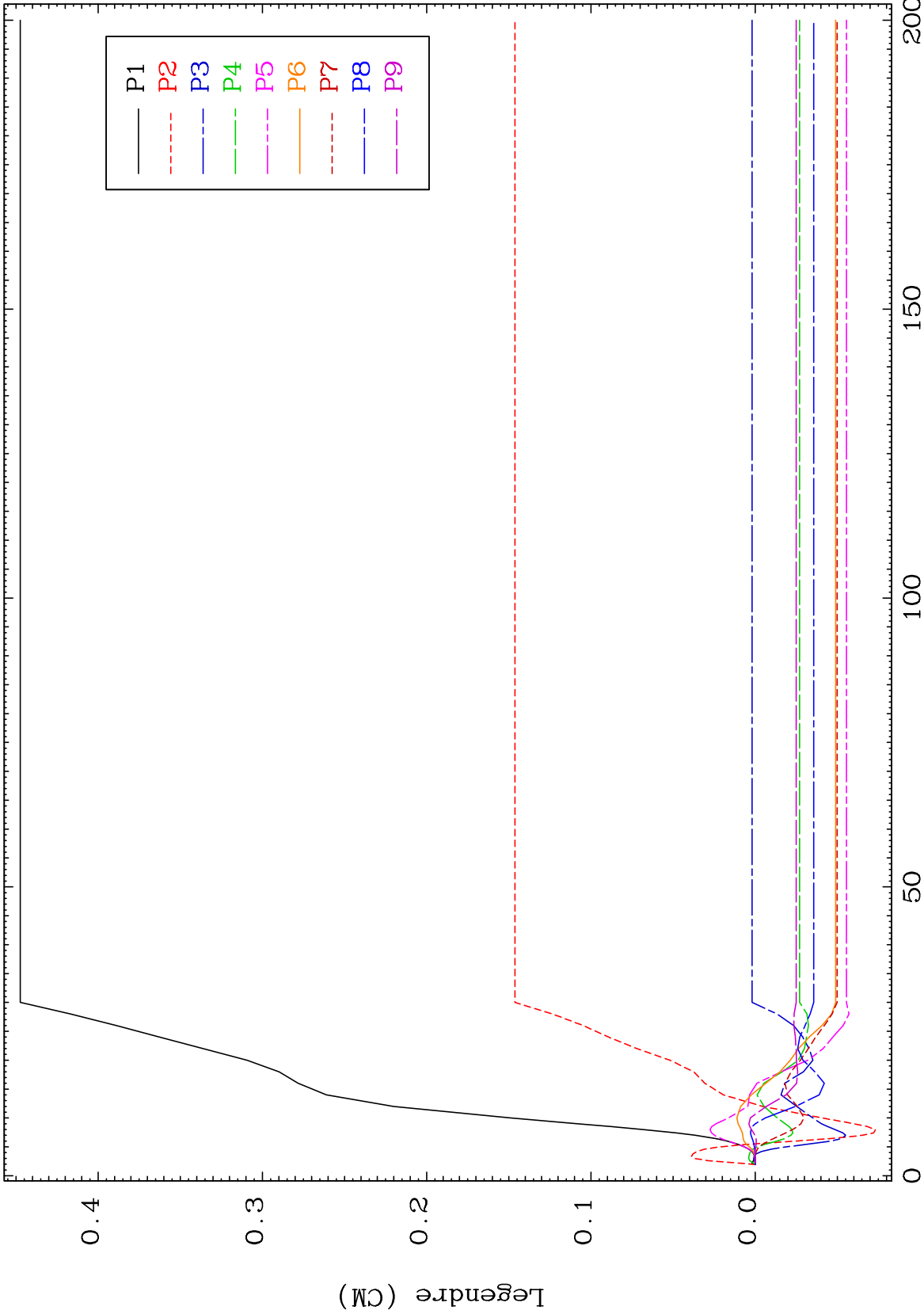
Incident Energy (MeV)

70

MAT 5646

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

56-Ba-137



71

Incident Energy (MeV)

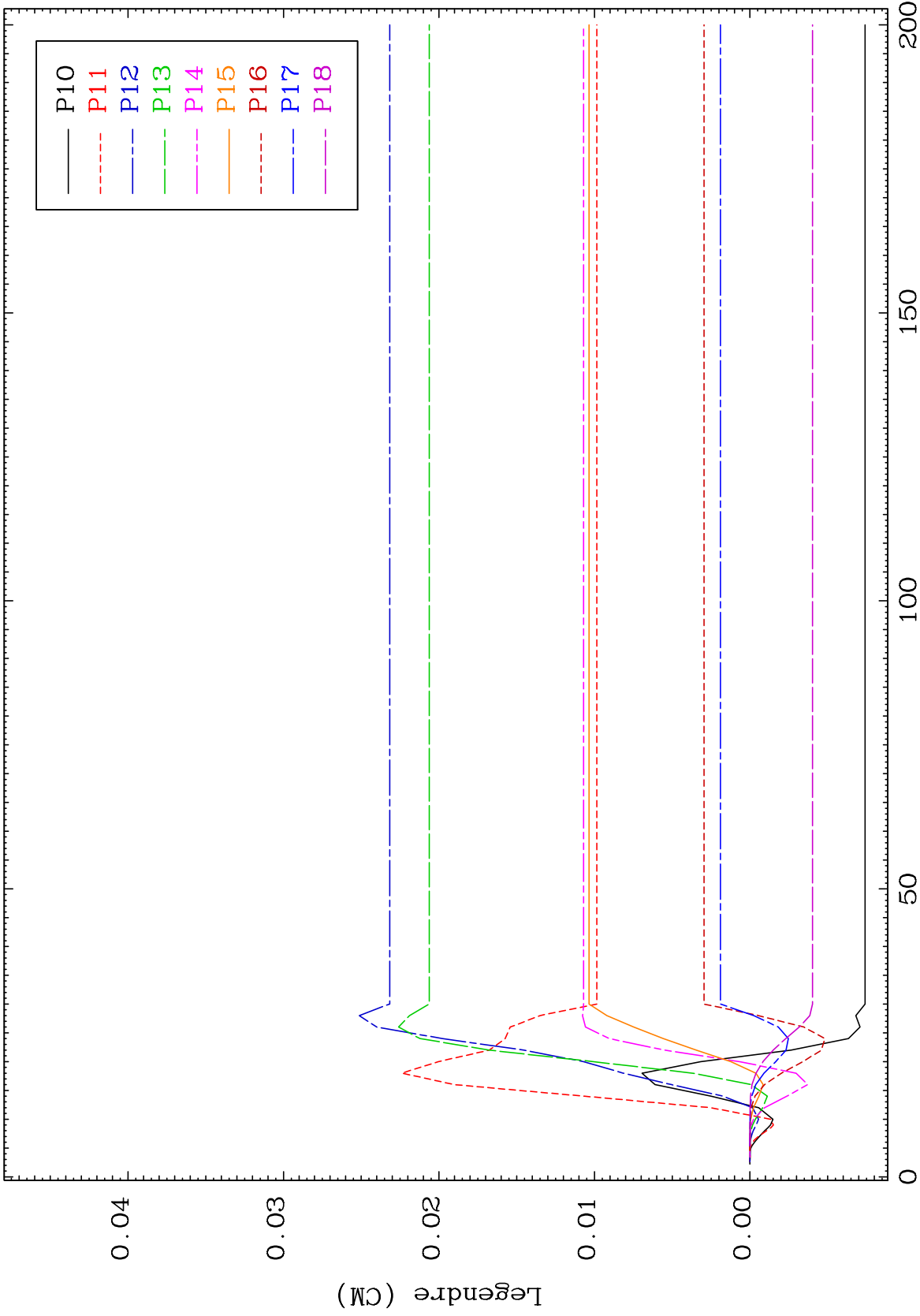
56-Ba-137



MAT 5646

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

56-Ba-137



72

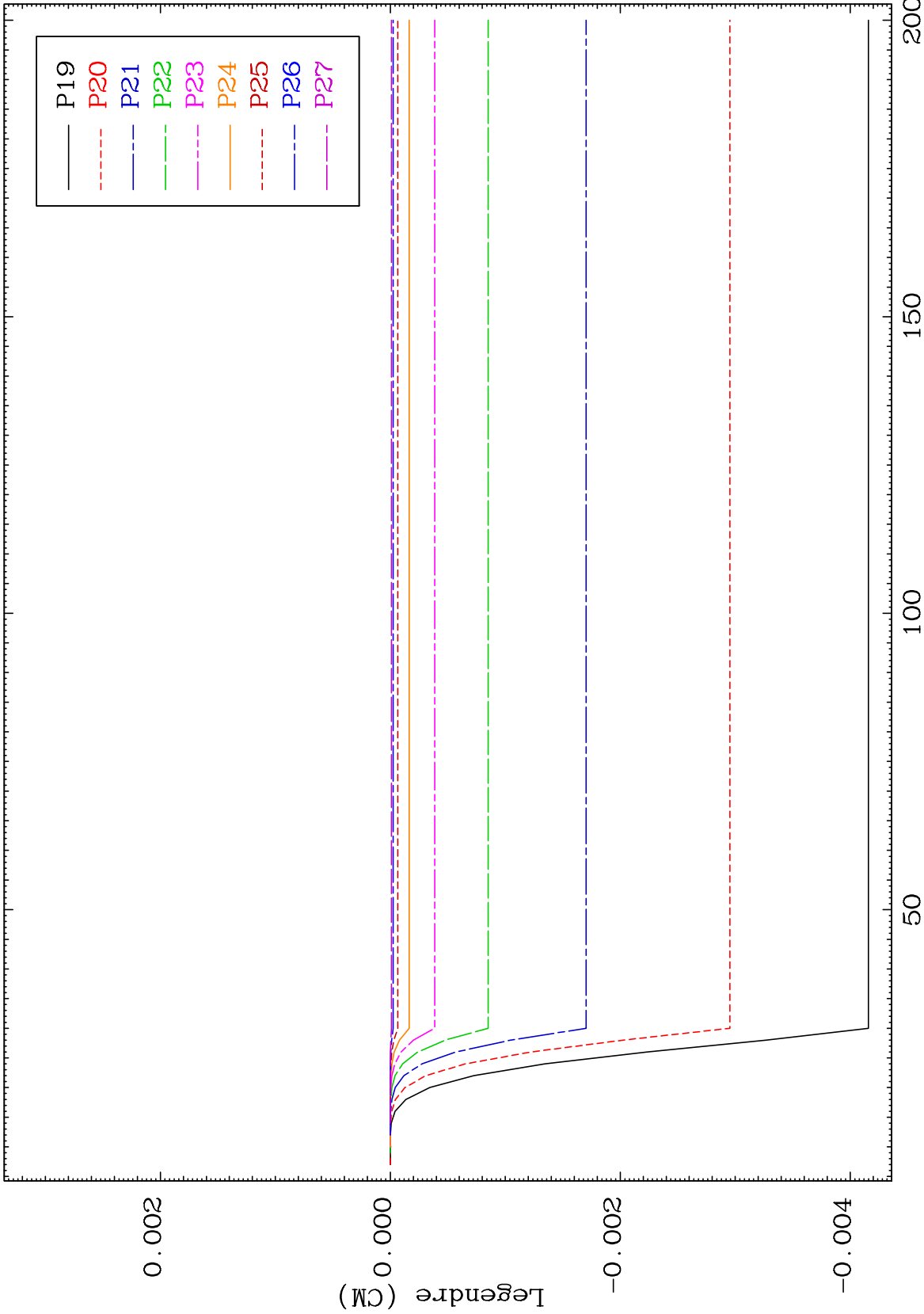
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



73

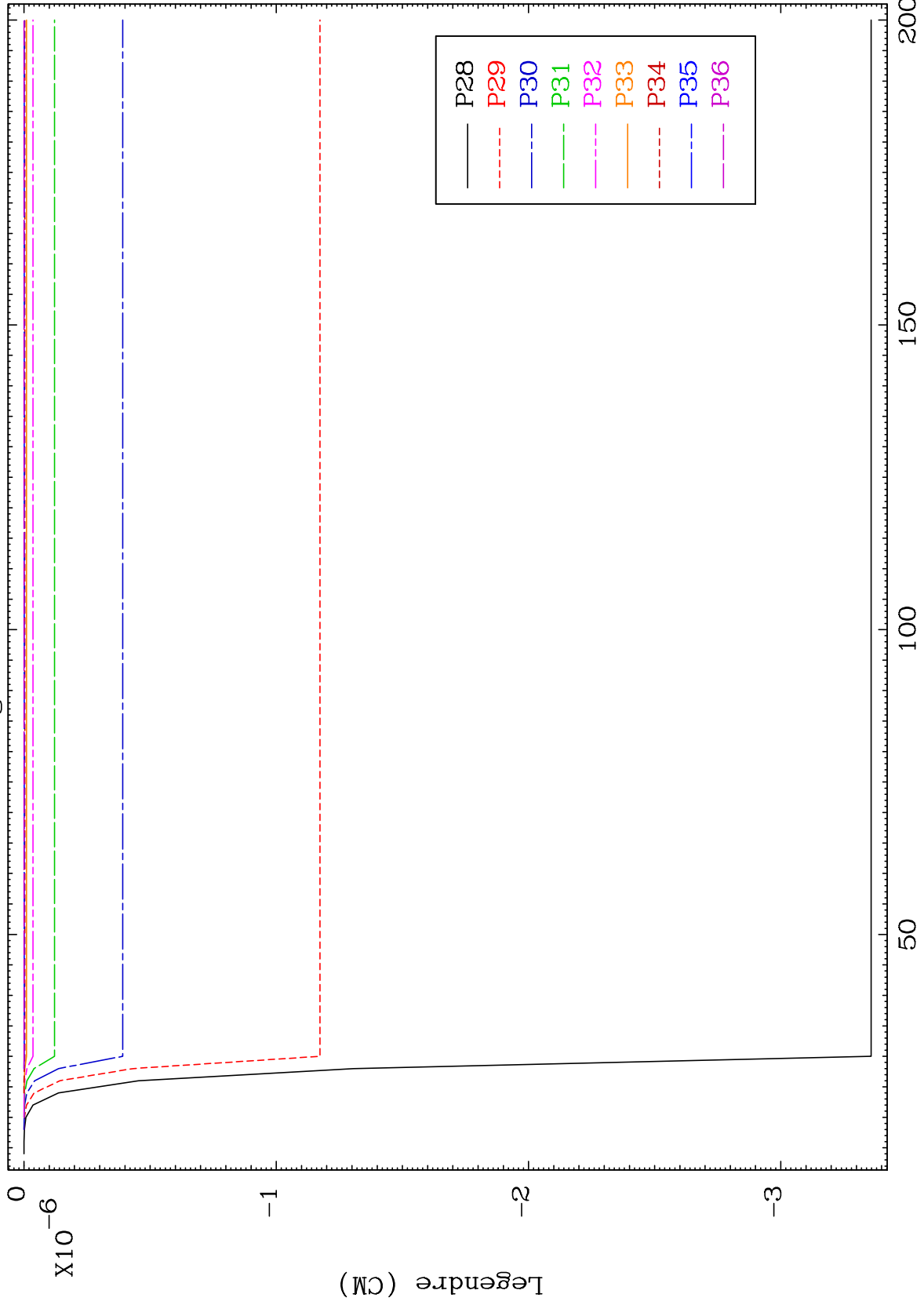
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

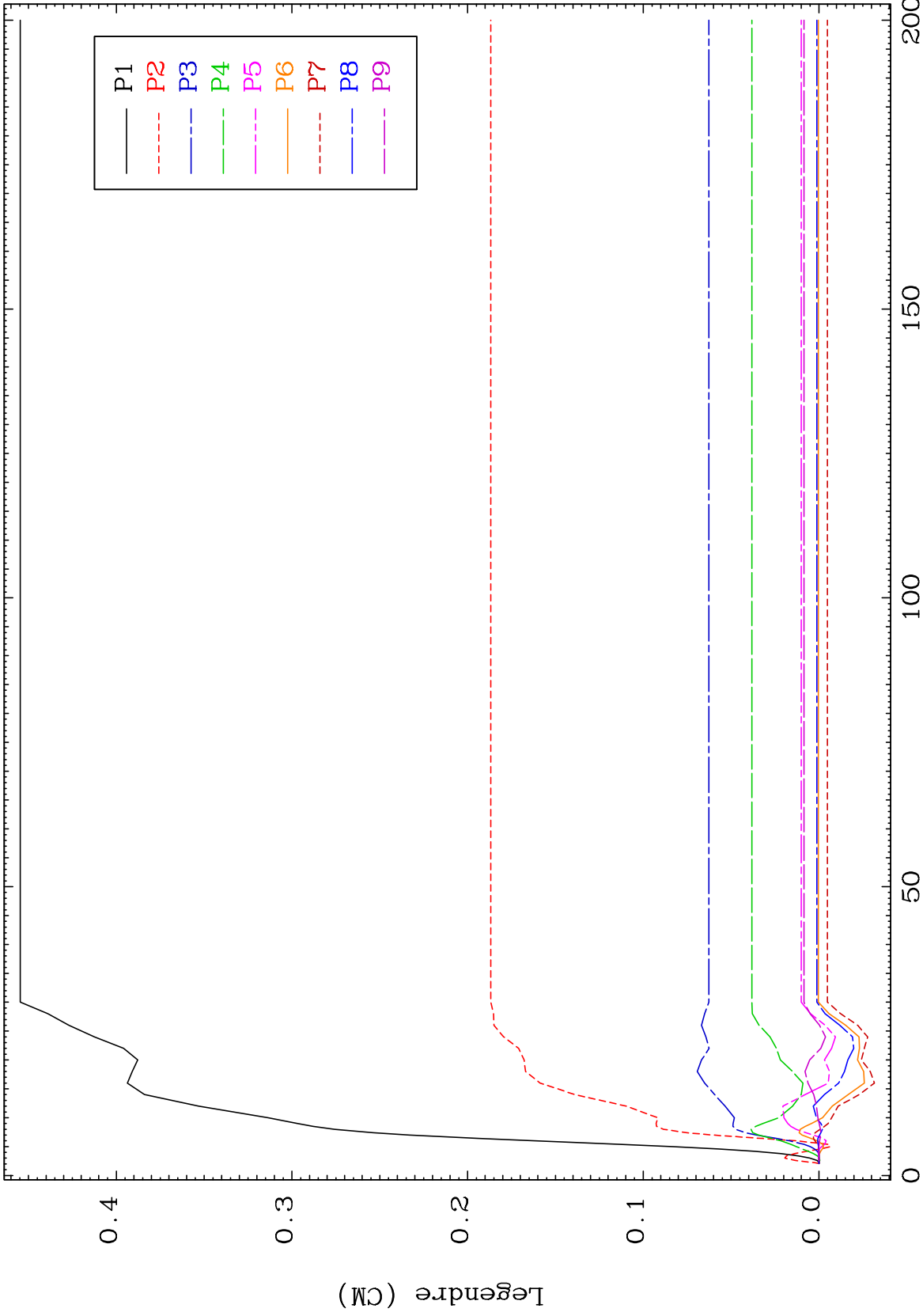
Incident Energy (MeV)

74

MAT 5646

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

56-Ba-137

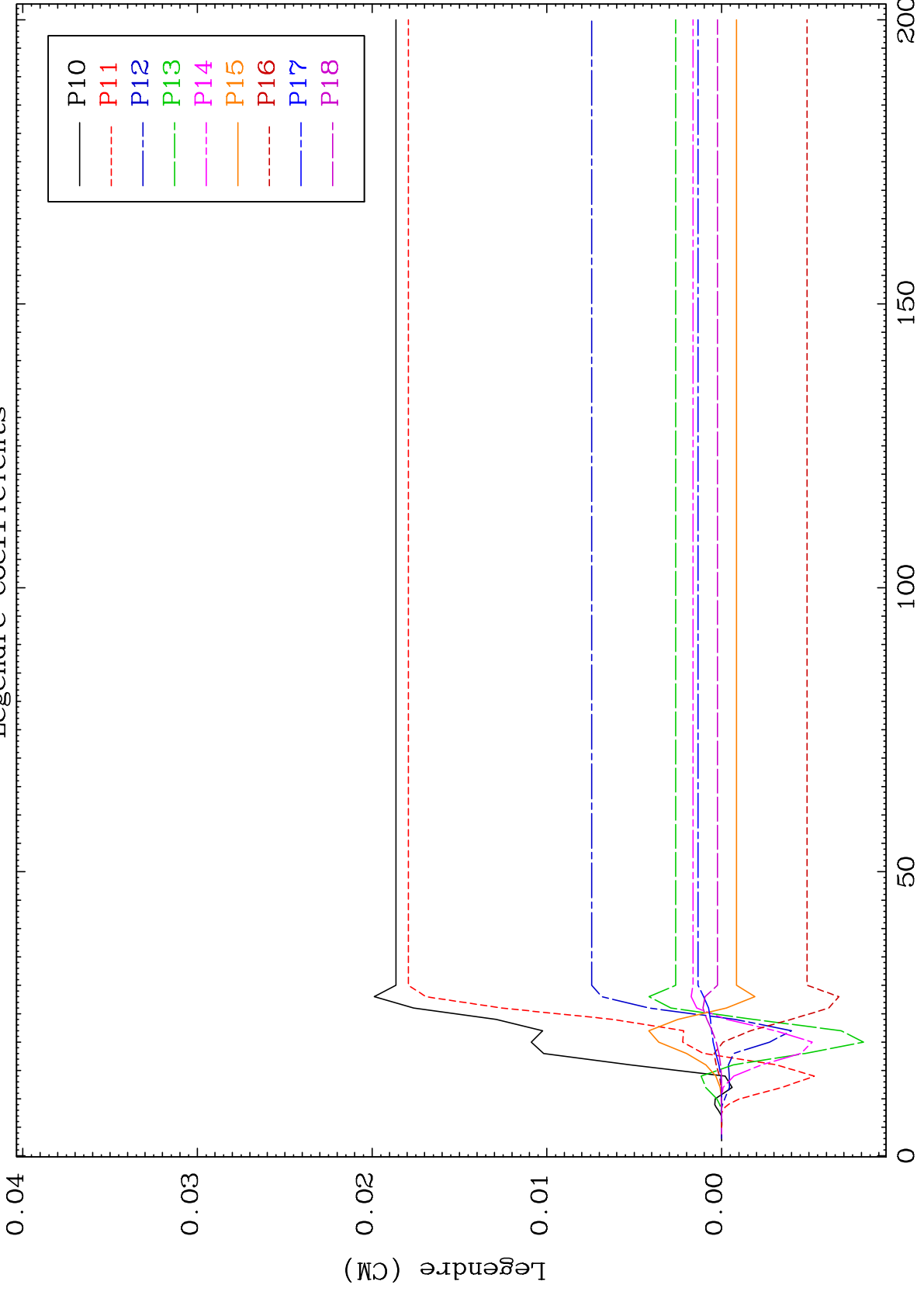


75

Incident Energy (MeV)

56-Ba-137

MAT 5646 MT= 65 (n,n') Level Legendre Coefficients 56-Ba-137

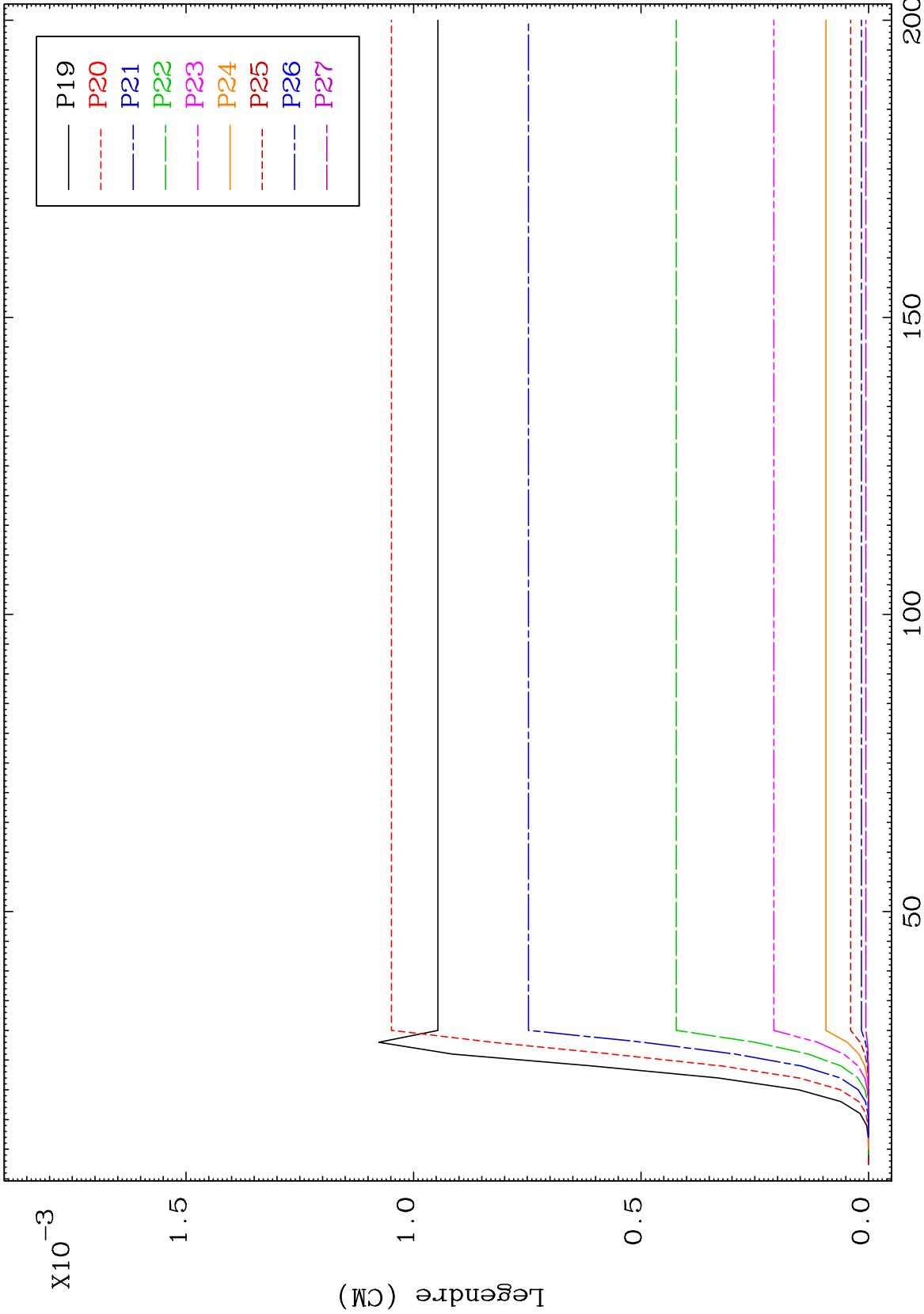


76 56-Ba-137

MAT 5646

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

56-Ba-137



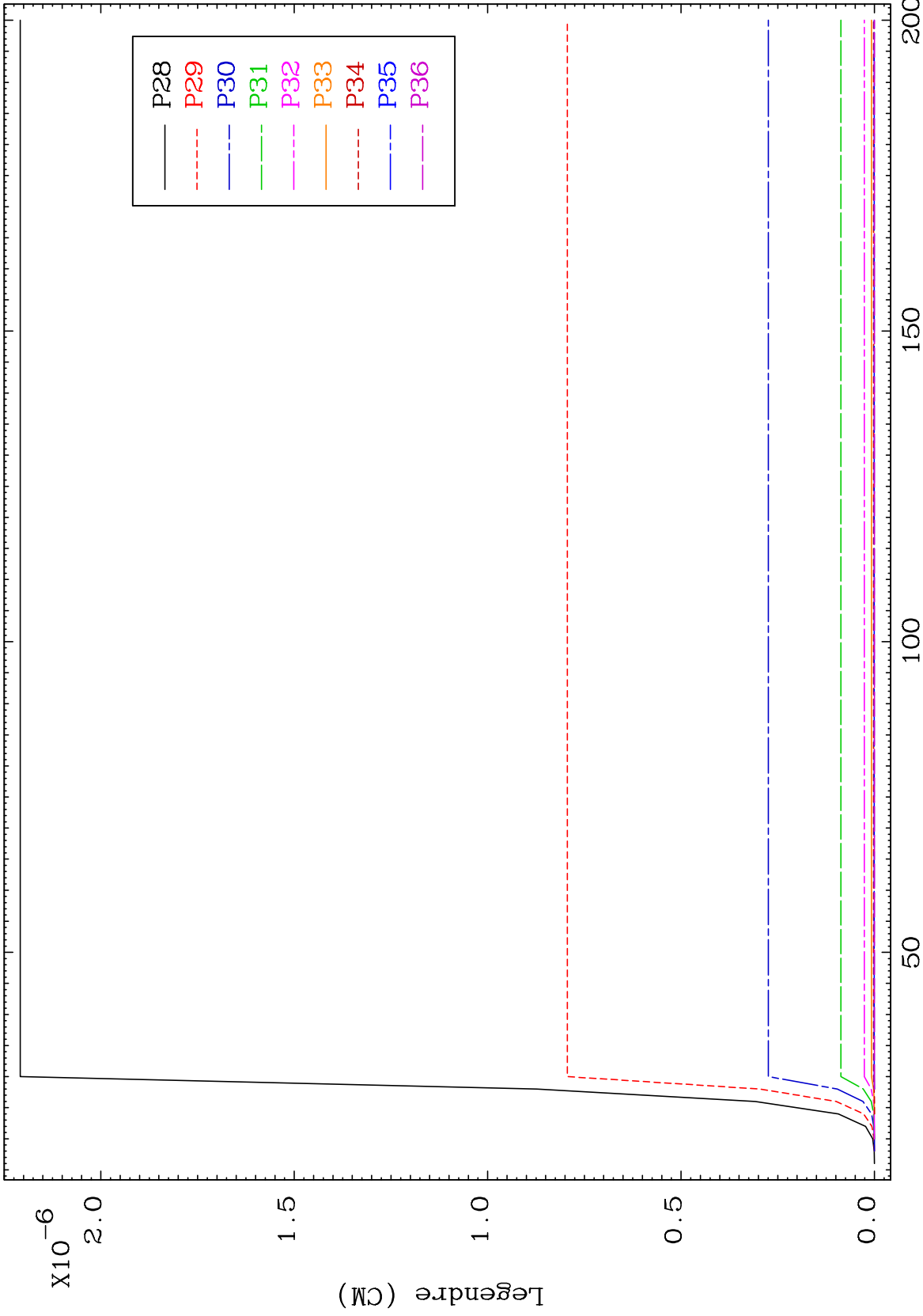
77

56-Ba-137

MAT 5646

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

56-Ba-137



78

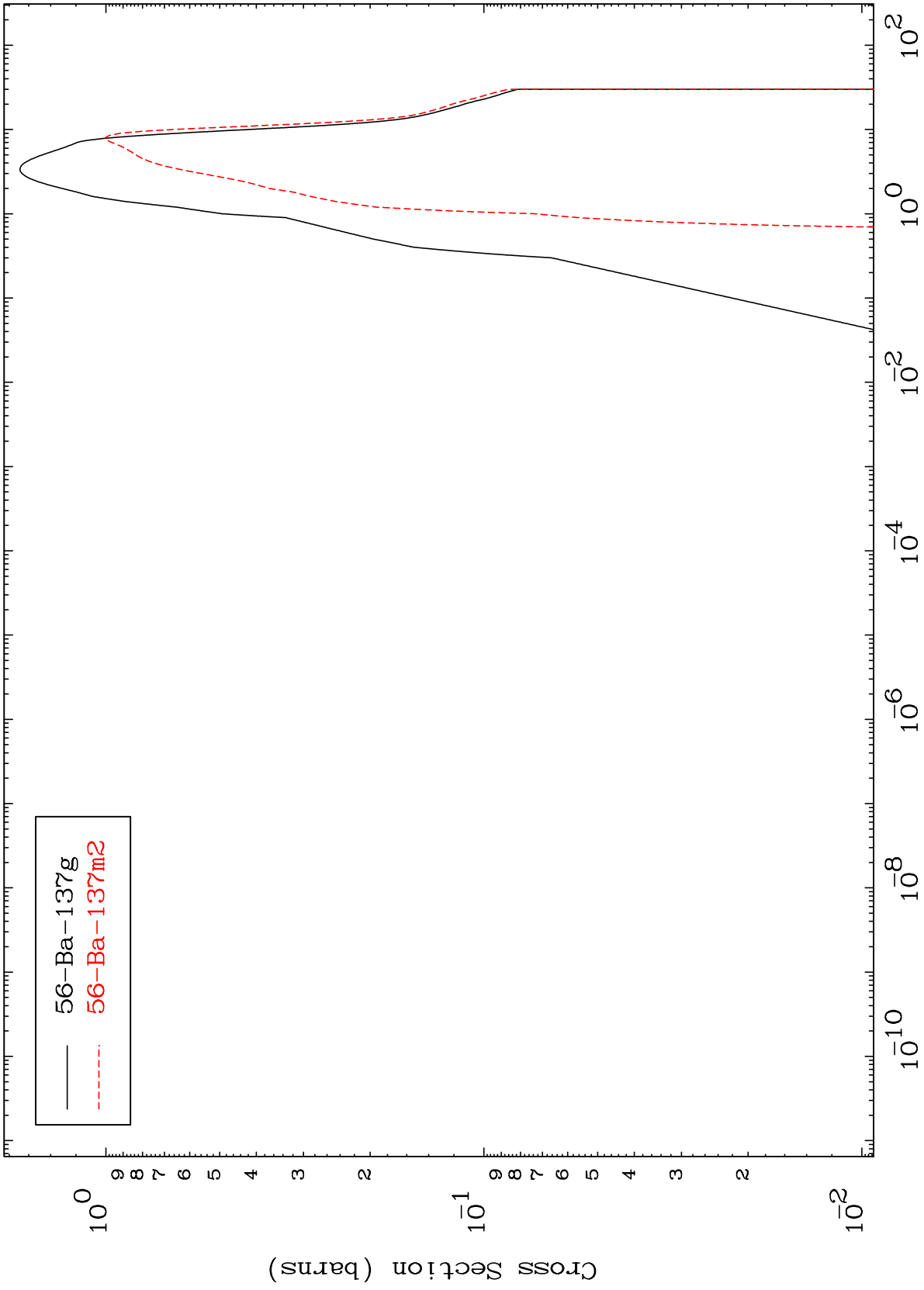
Incident Energy (MeV)

56-Ba-137

MAT 5646

Inelastic  
Radionuclide Production Cross Section

56-Ba-137



79

Incident Energy (MeV)

56-Ba-137

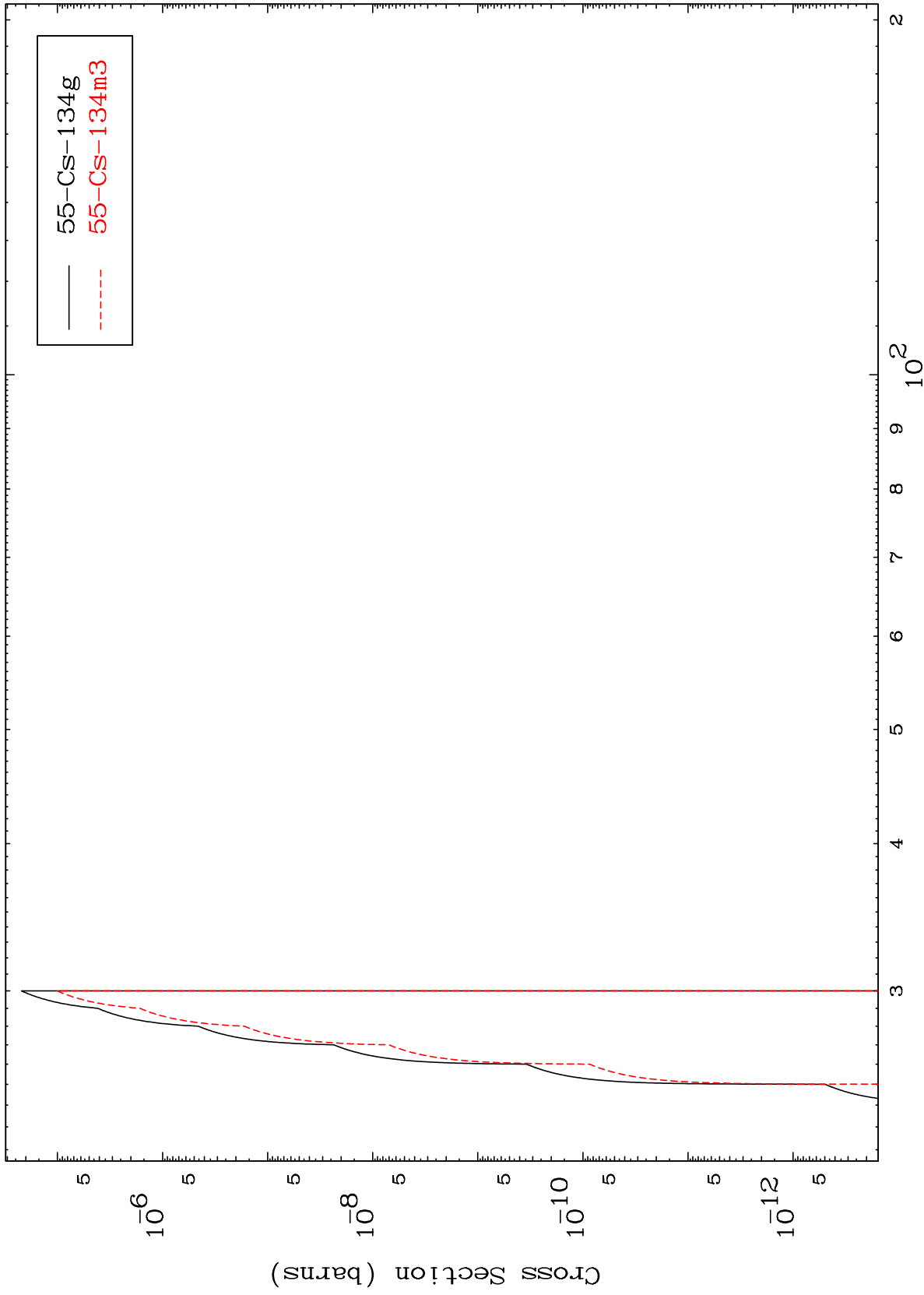


MAT 5646

(n,2n) d

56-Ba-137

Radionuclide Production Cross Section



80

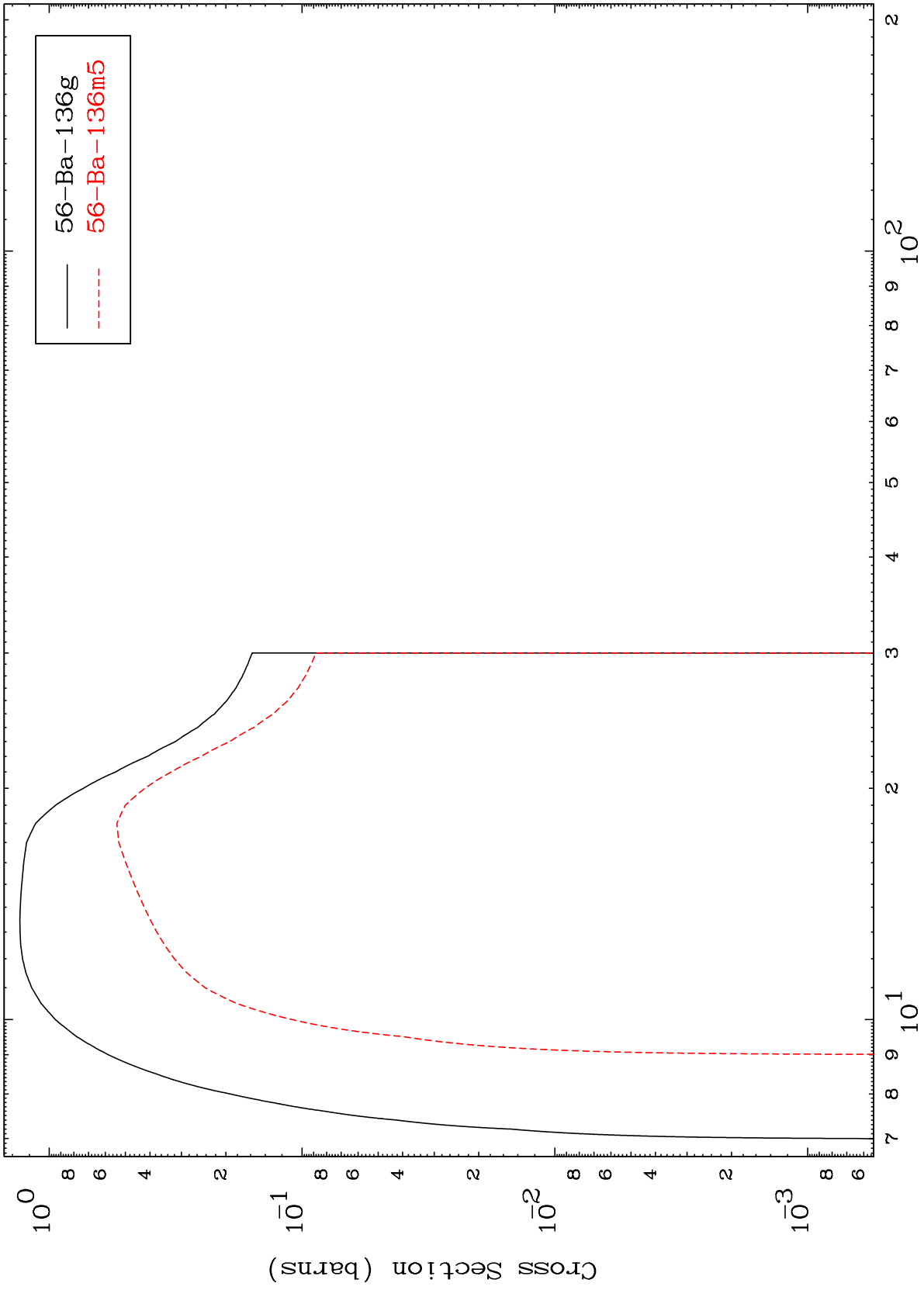
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,2n)  
Radionuclide Production Cross Section



81

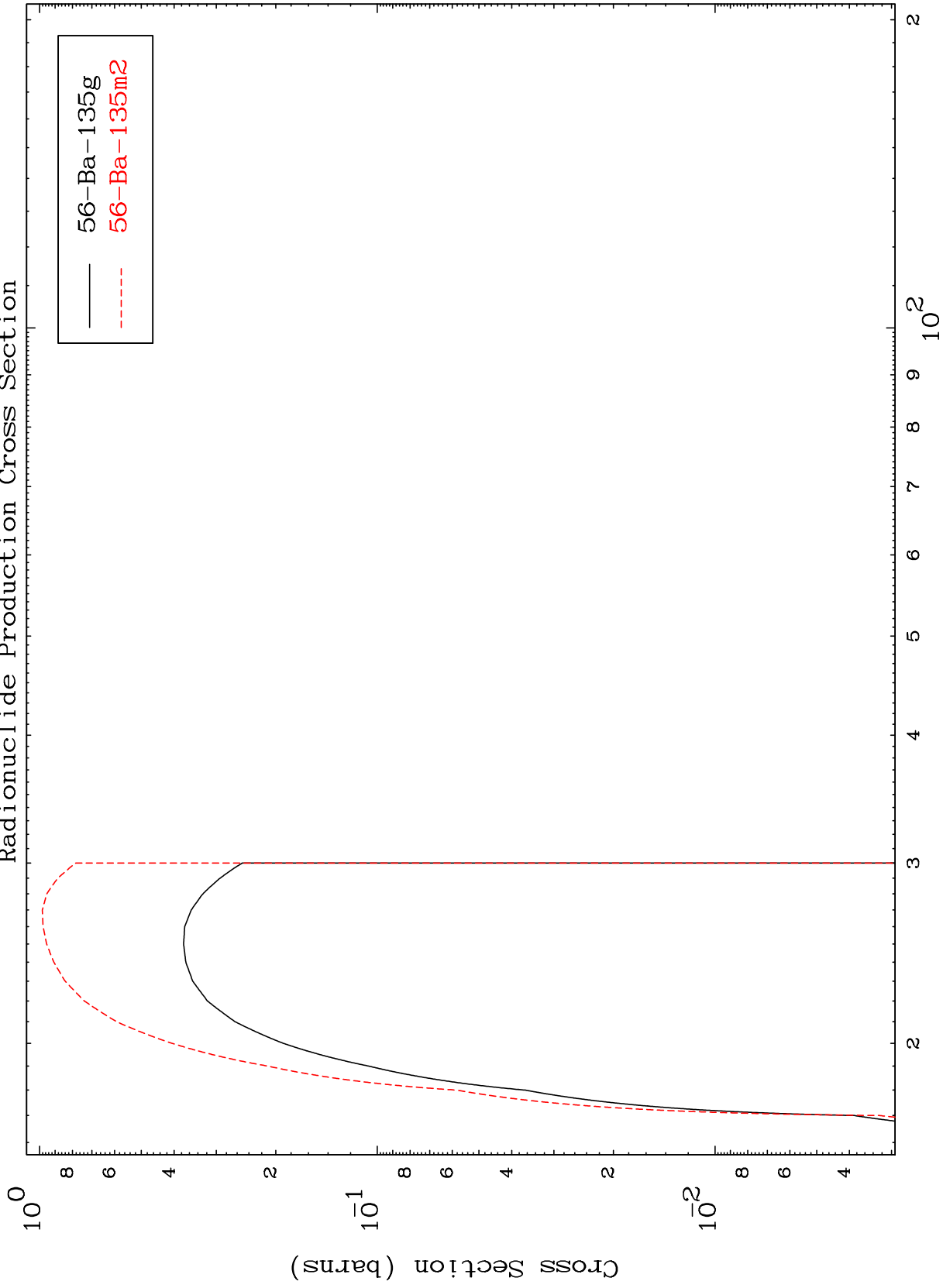
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,3n)  
Radionuclide Production Cross Section



82

Incident Energy (MeV)

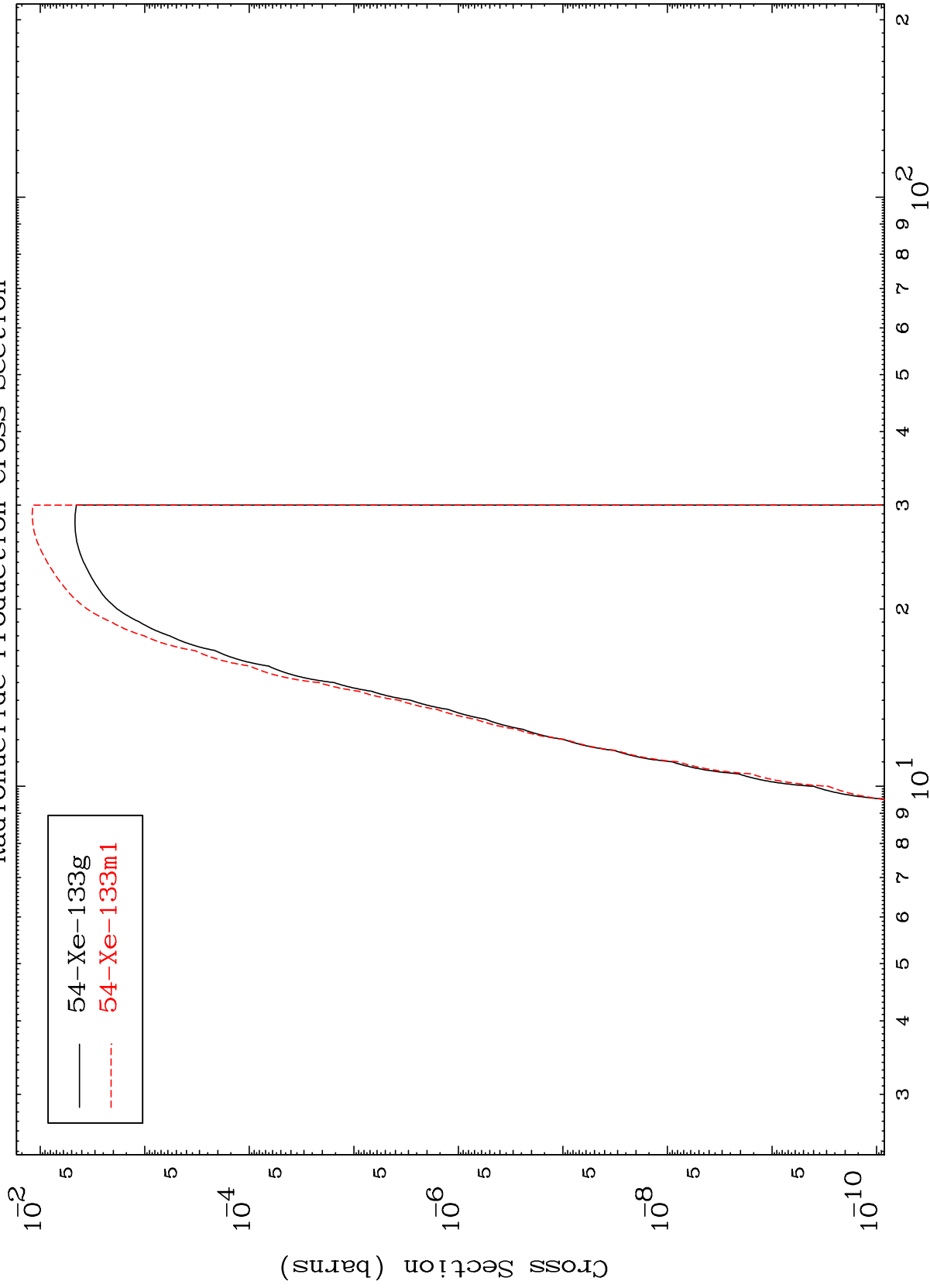
56-Ba-137

MAT 5646

(n,n')  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



83

Incident Energy (MeV)

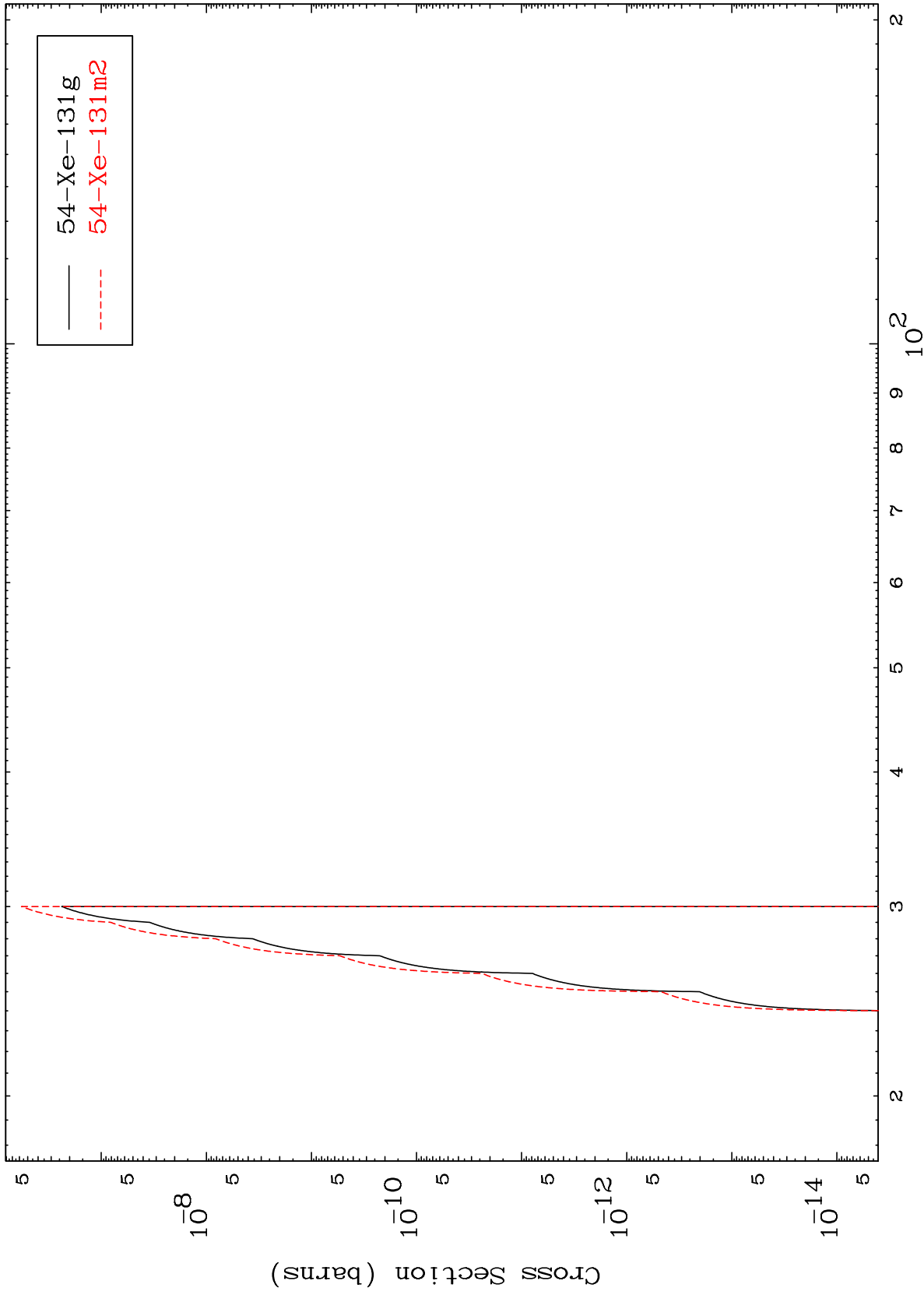
56-Ba-137

MAT 5646

(n,3n)  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



84

Incident Energy (MeV)

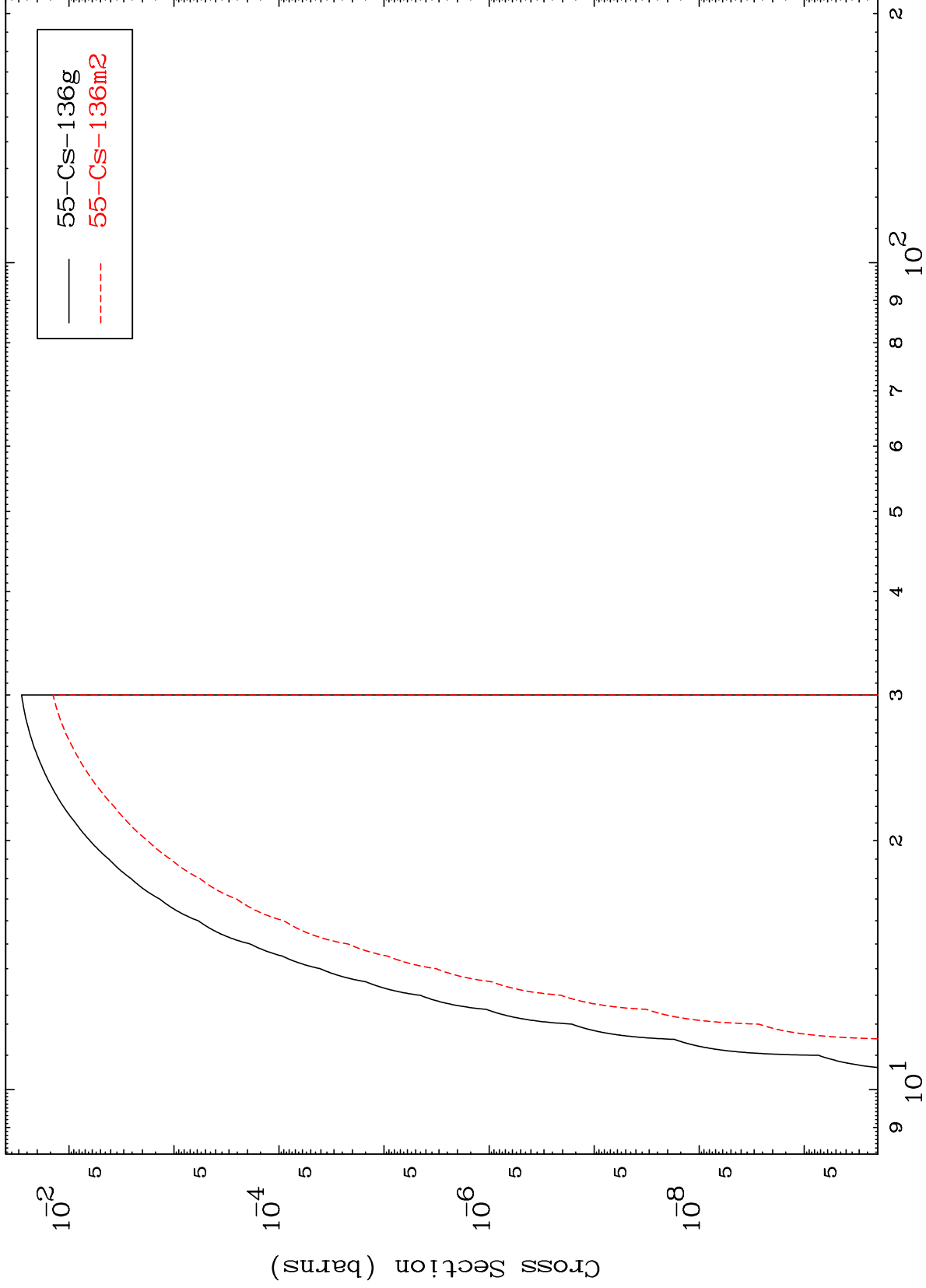
56-Ba-137

MAT 5646

(n,n') p

56-Ba-137

Radionuclide Production Cross Section



85

Incident Energy (MeV)

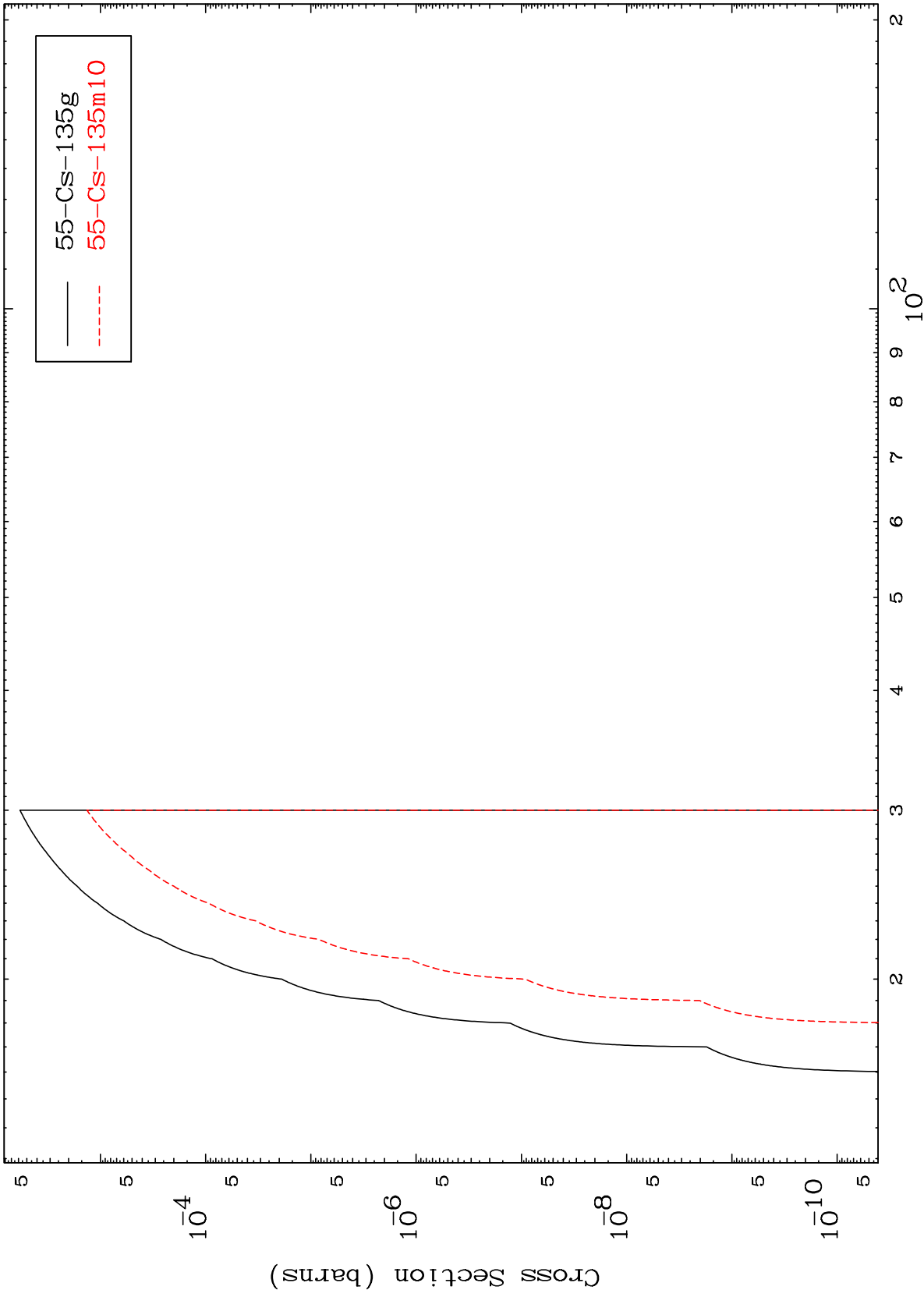
56-Ba-137

MAT 5646

(n,n') d

56-Ba-137

Radionuclide Production Cross Section



86

Incident Energy (MeV)

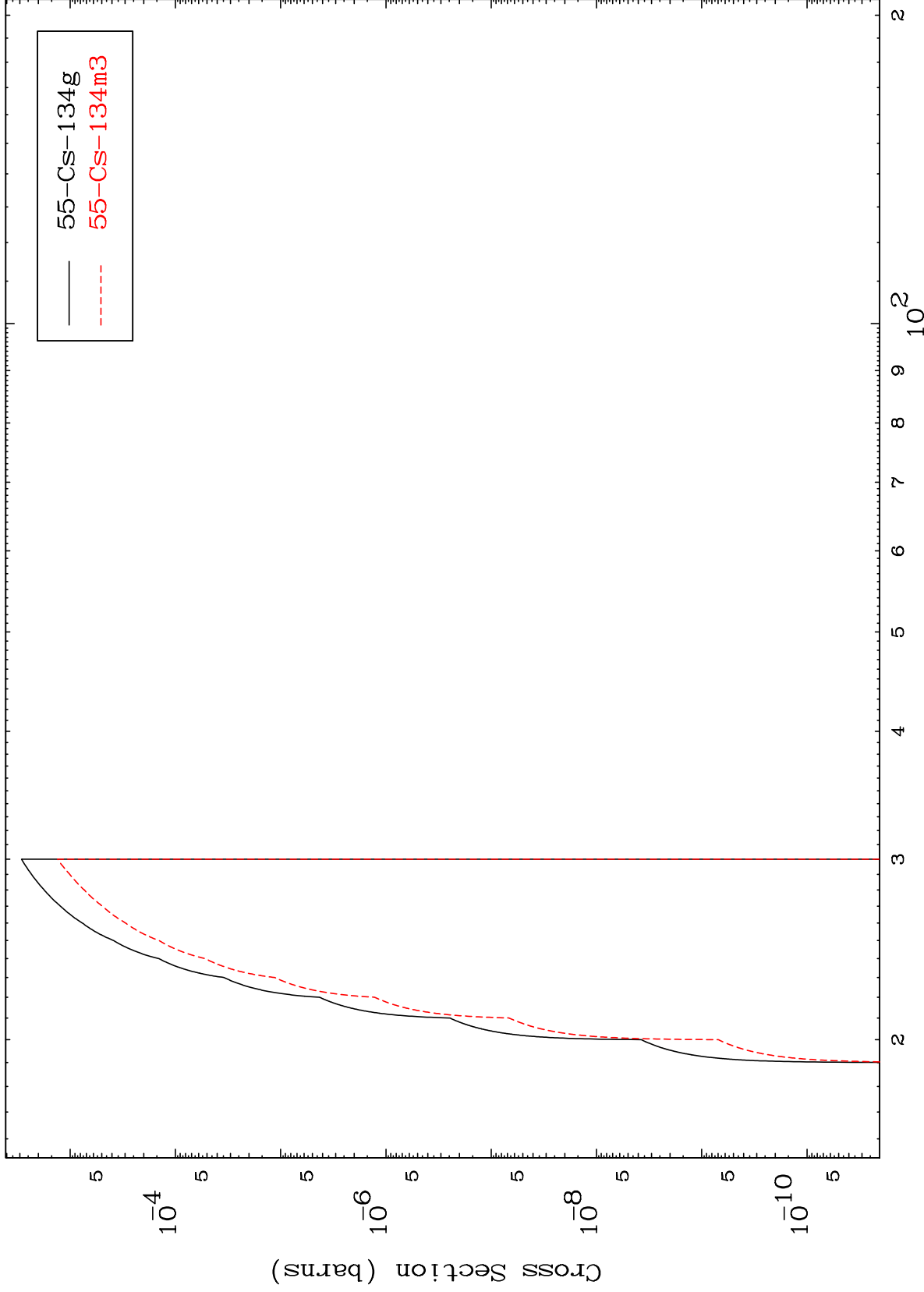
56-Ba-137

MAT 5646

(n,n') t

56-Ba-137

Radionuclide Production Cross Section



87

Incident Energy (MeV)

56-Ba-137

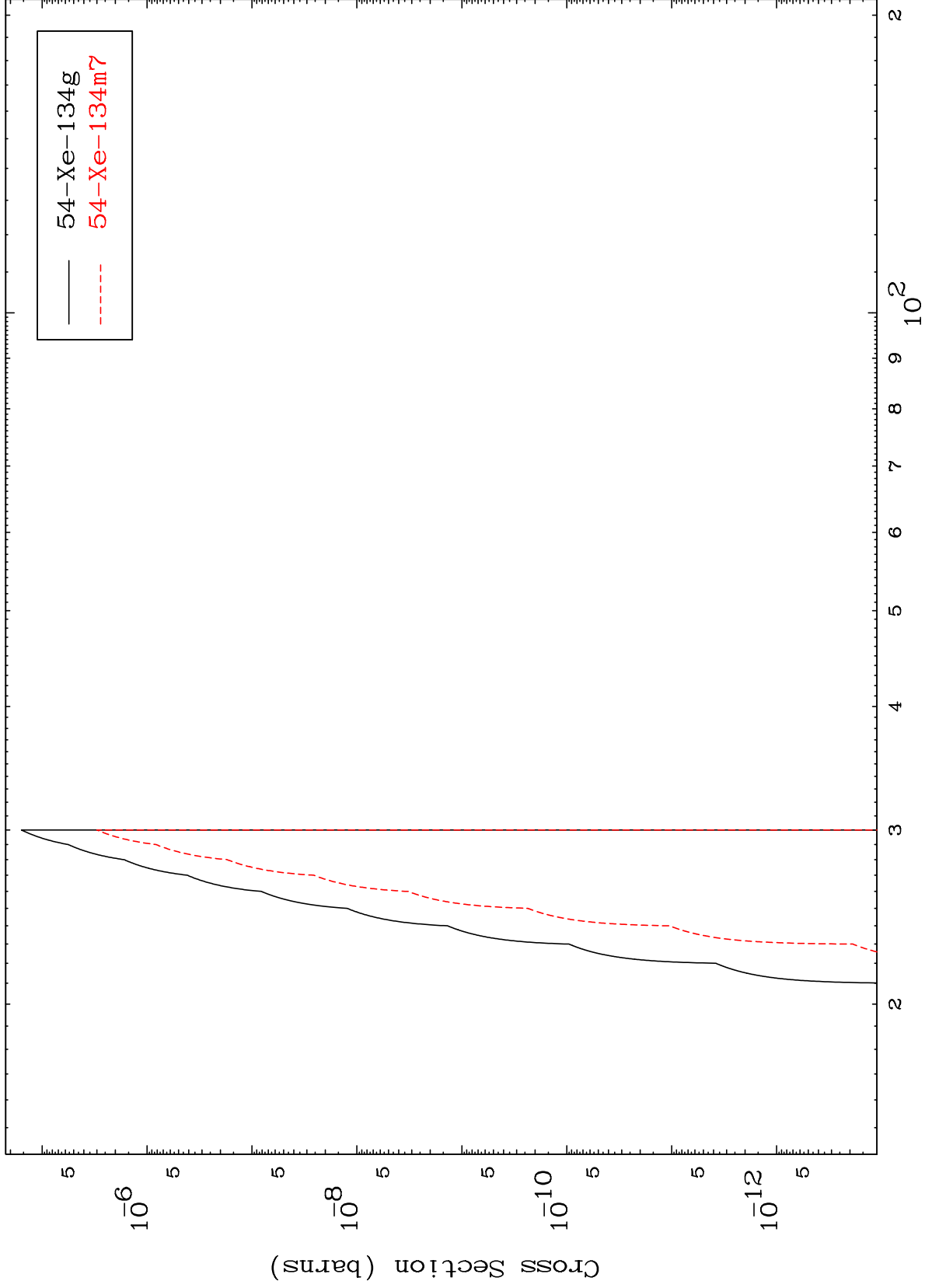


MAT 5646

(n, n') He-3

56-Ba-137

Radionuclide Production Cross Section



88

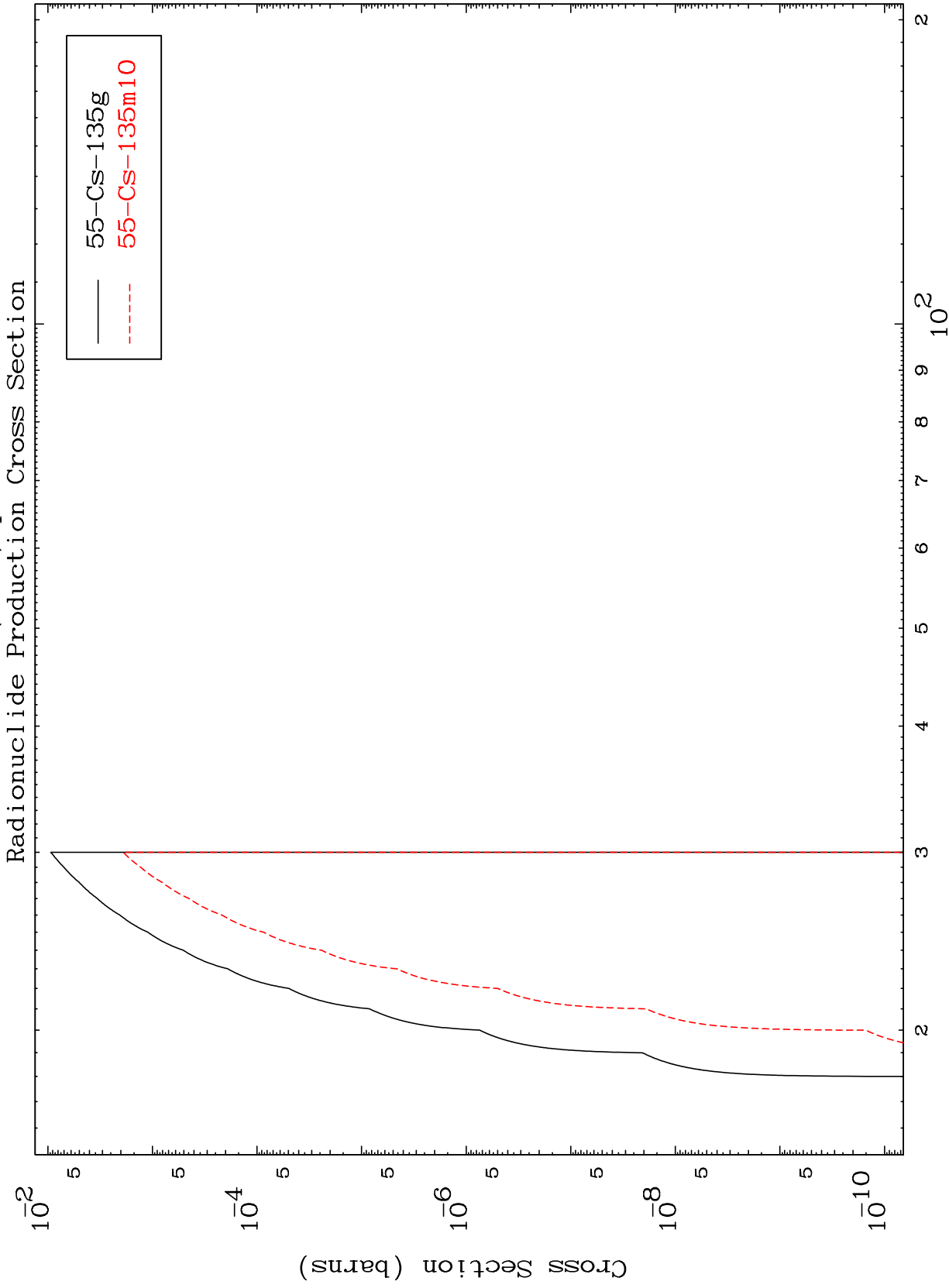
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,2n) p

56-Ba-137



89

Incident Energy (MeV)

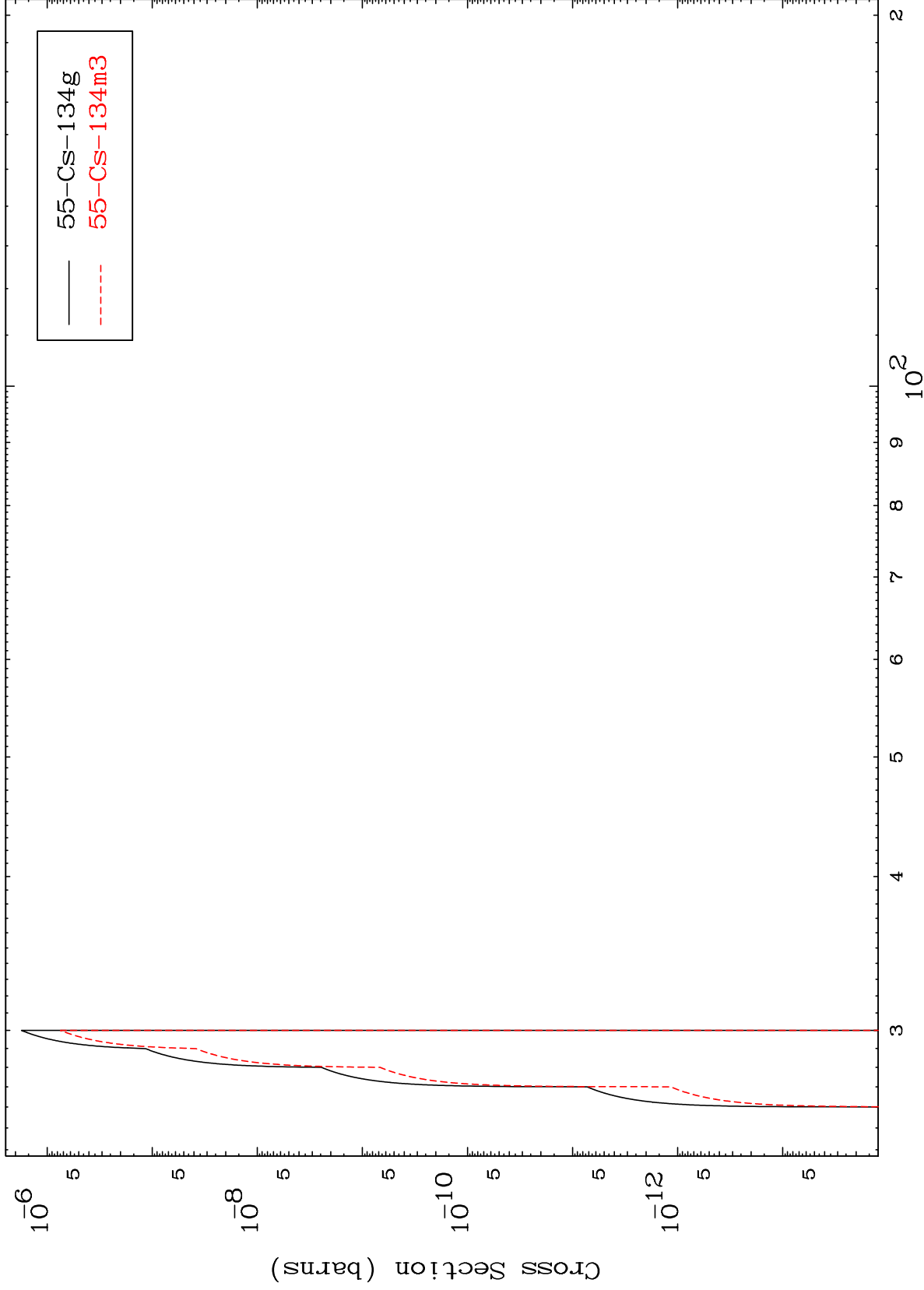
56-Ba-137

MAT 5646

(n,3n) p

56-Ba-137

Radionuclide Production Cross Section



90

Incident Energy (MeV)

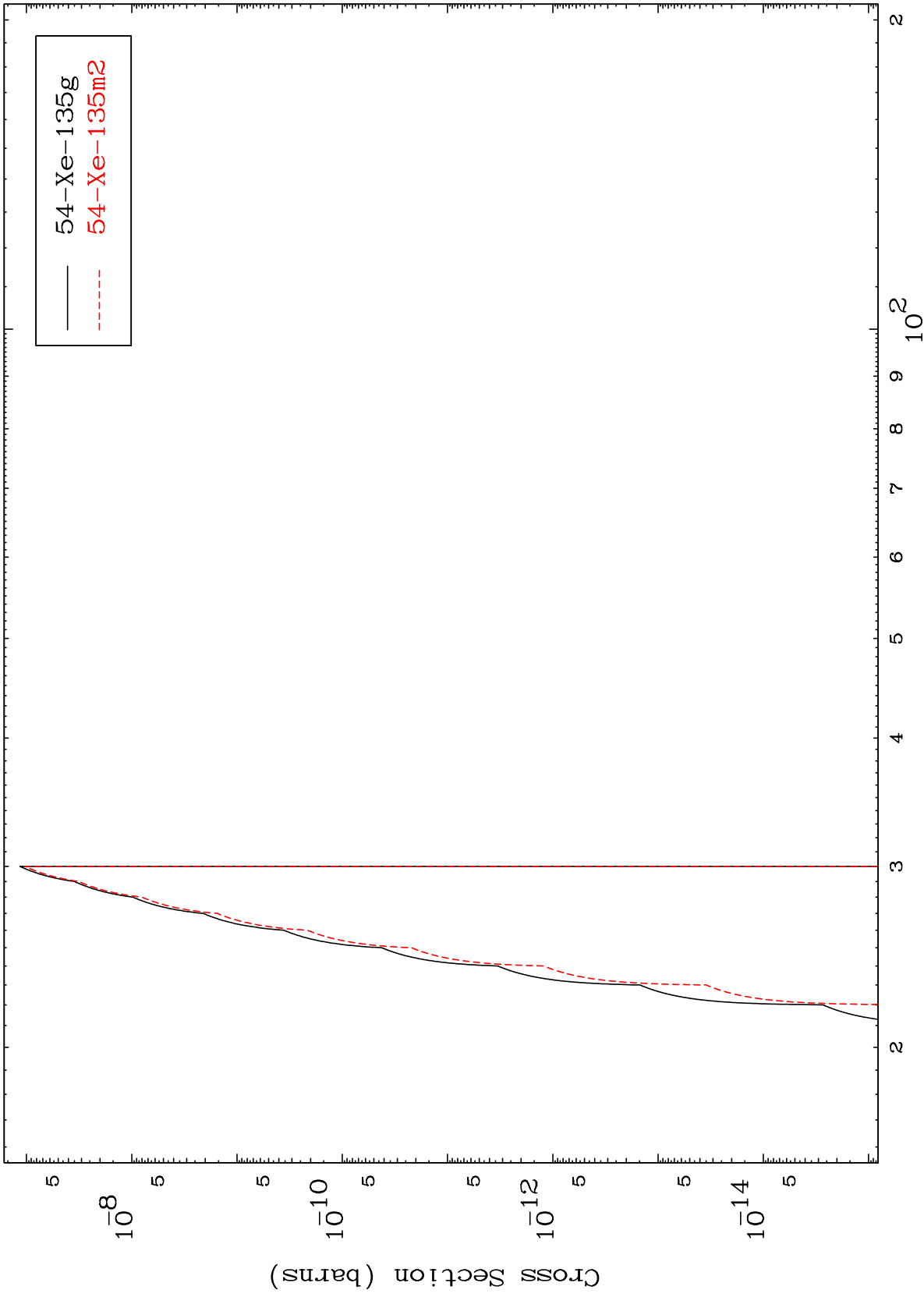
56-Ba-137

MAT 5646

(n,2n) p

56-Ba-137

Radionuclide Production Cross Section



91

Incident Energy (MeV)

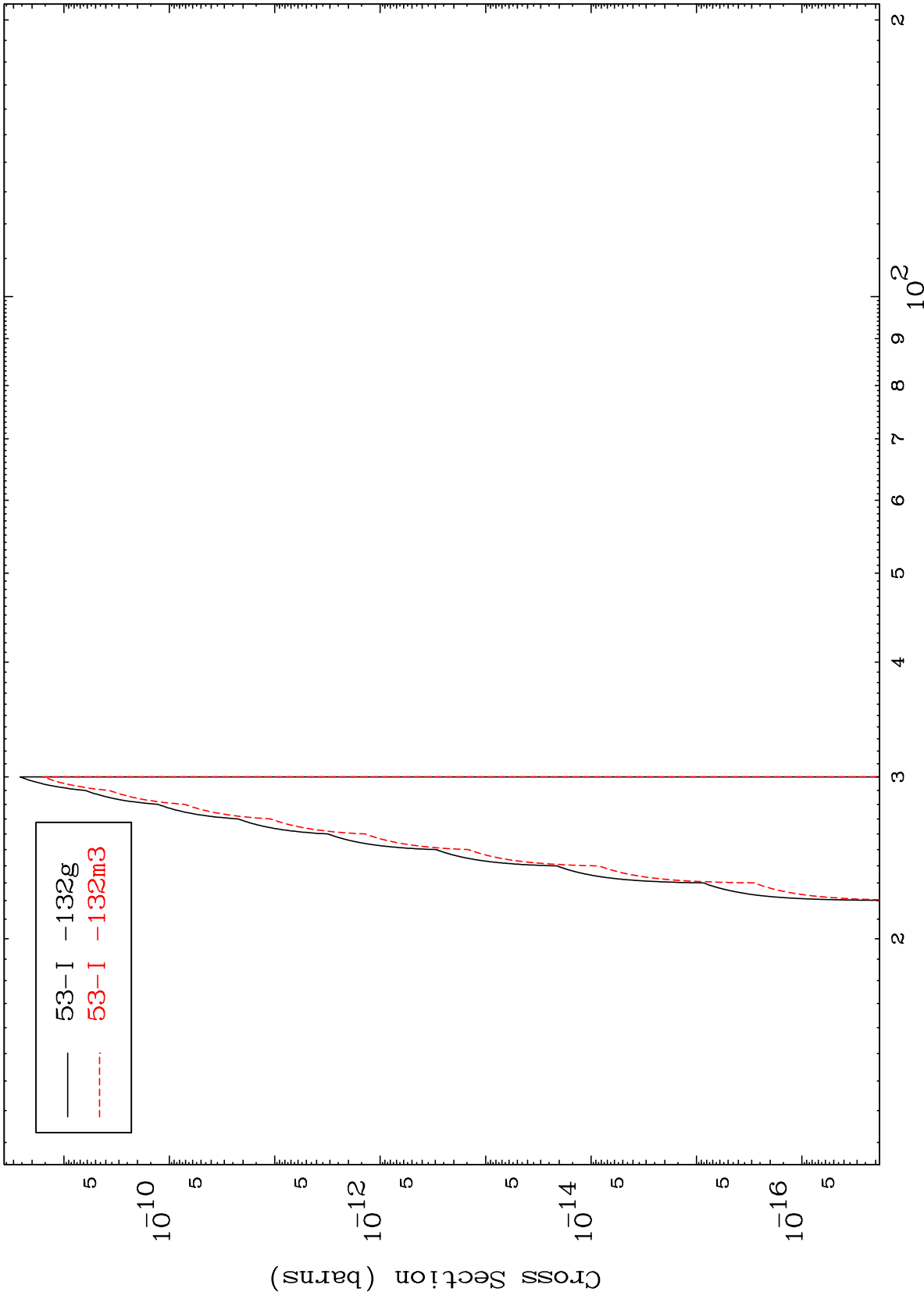
56-Ba-137

MAT 5646

(n,n') p  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



92

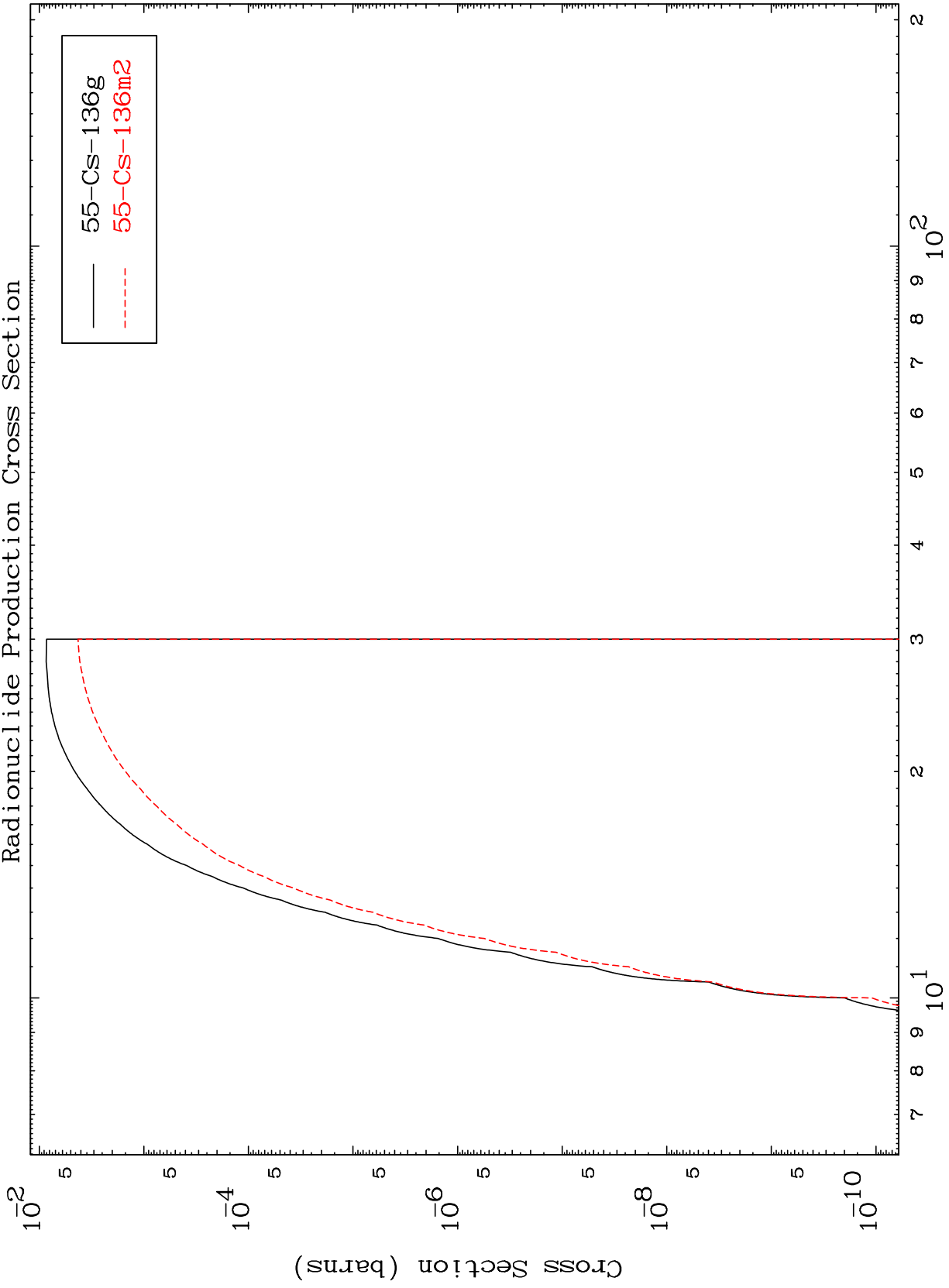
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,d)  
Radionuclide Production Cross Section



93

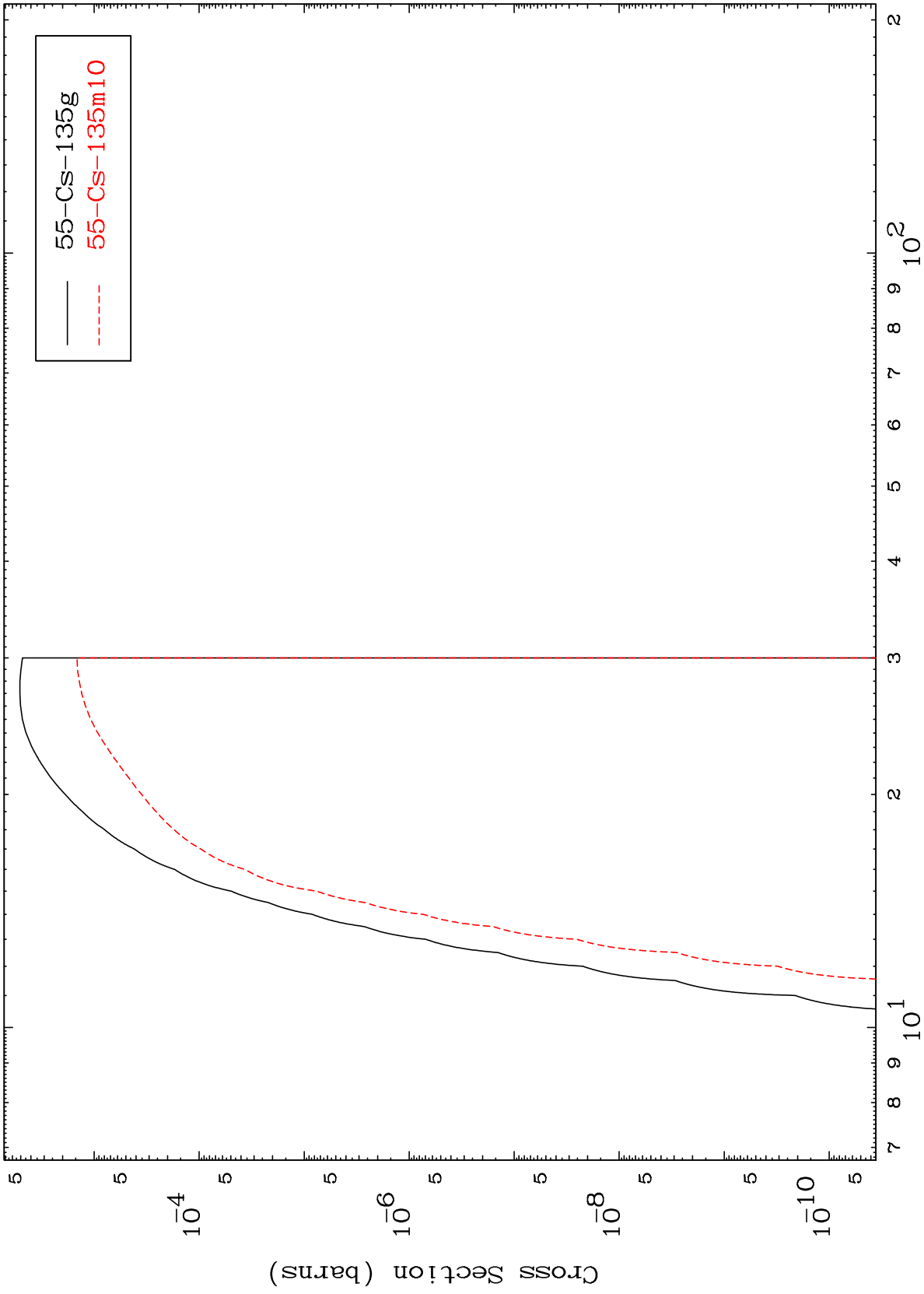
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n, t)  
Radionuclide Production Cross Section



94

Incident Energy (MeV)

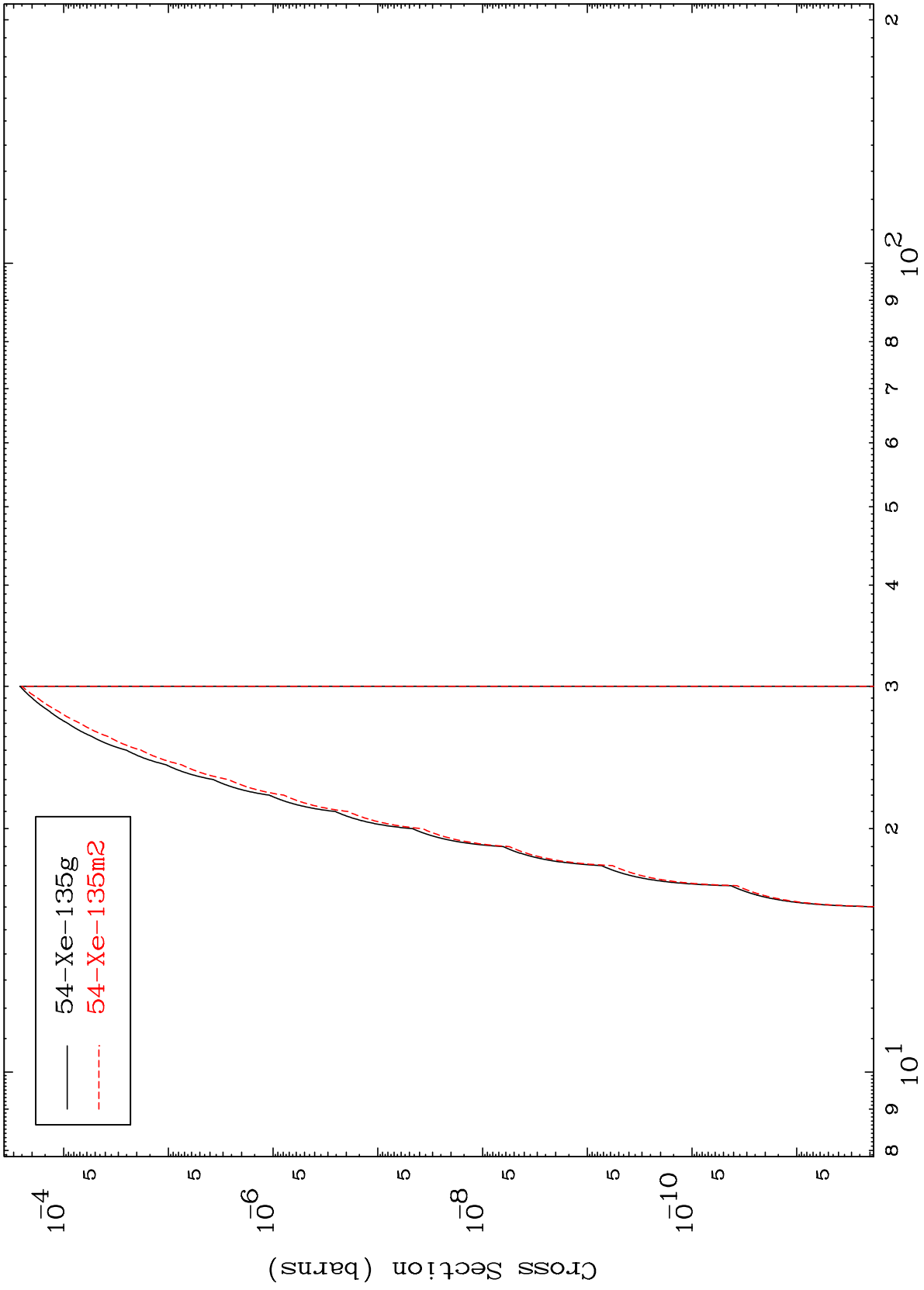
56-Ba-137

MAT 5646

(n, He-3)

56-Ba-137

Radionuclide Production Cross Section



95

Incident Energy (MeV)

56-Ba-137

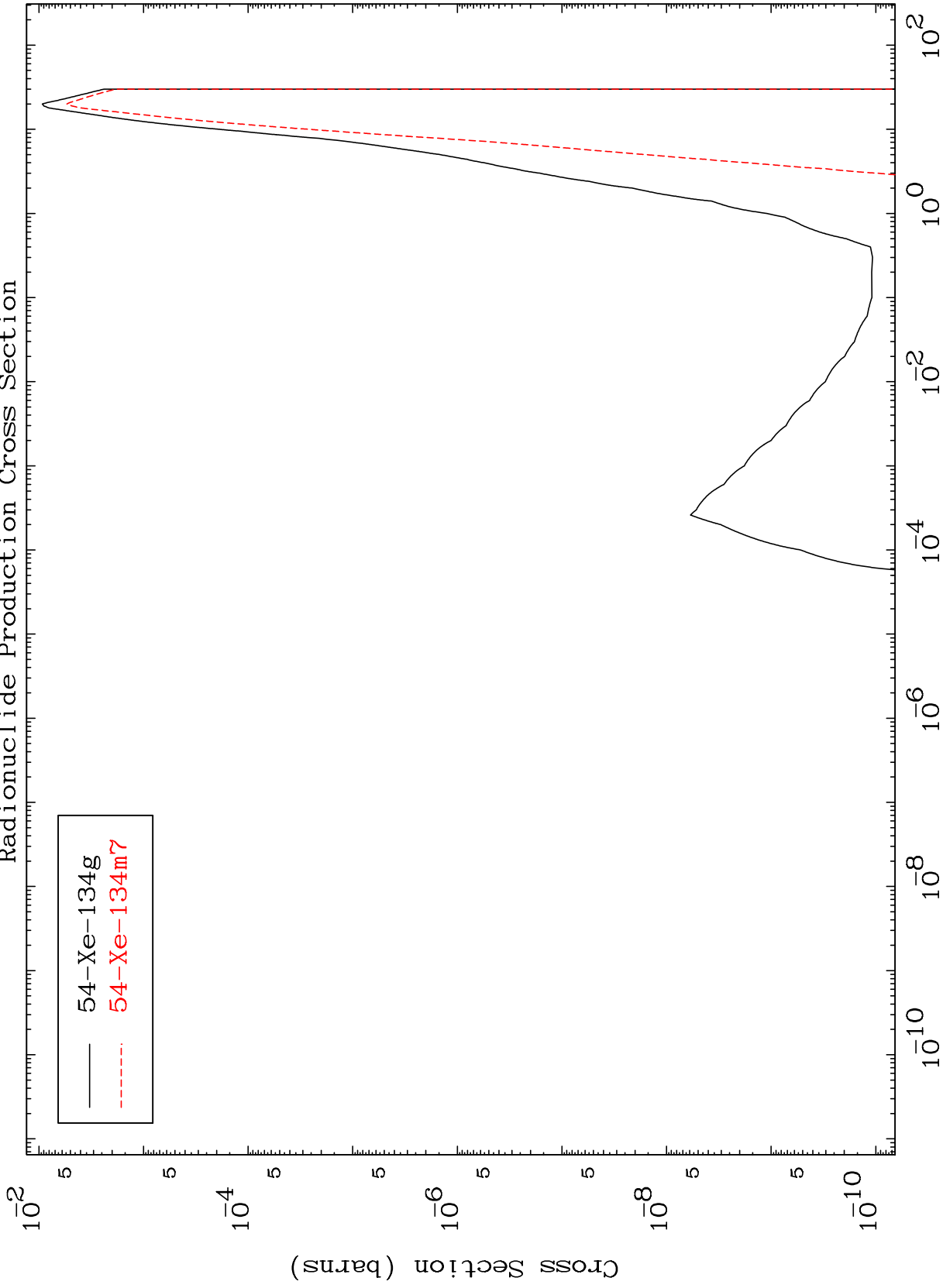


MAT 5646

(n,  $\alpha$ )

56-Ba-137

Radionuclide Production Cross Section



96

Incident Energy (MeV)

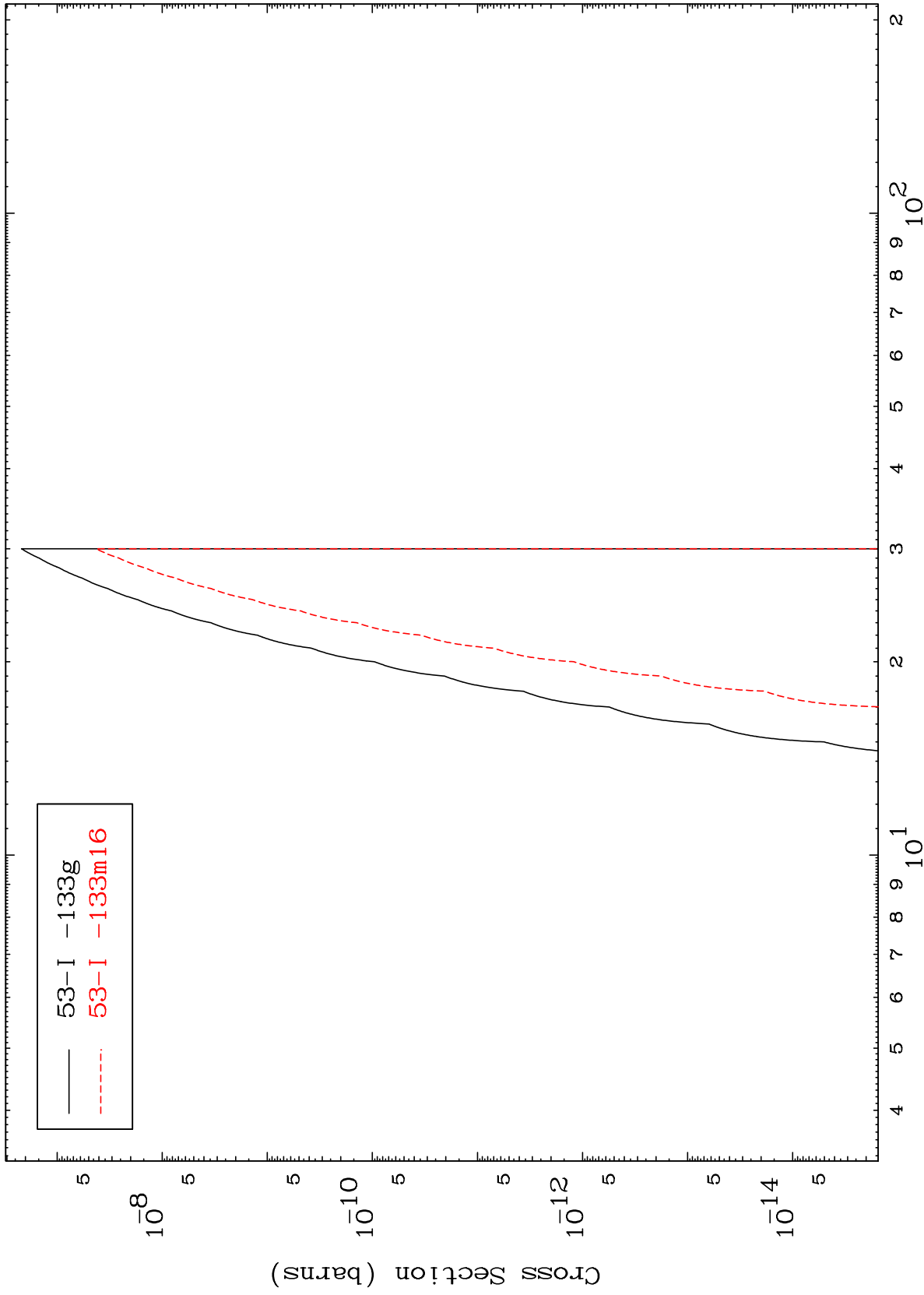
56-Ba-137

MAT 5646

(n,p)  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



97

Incident Energy (MeV)

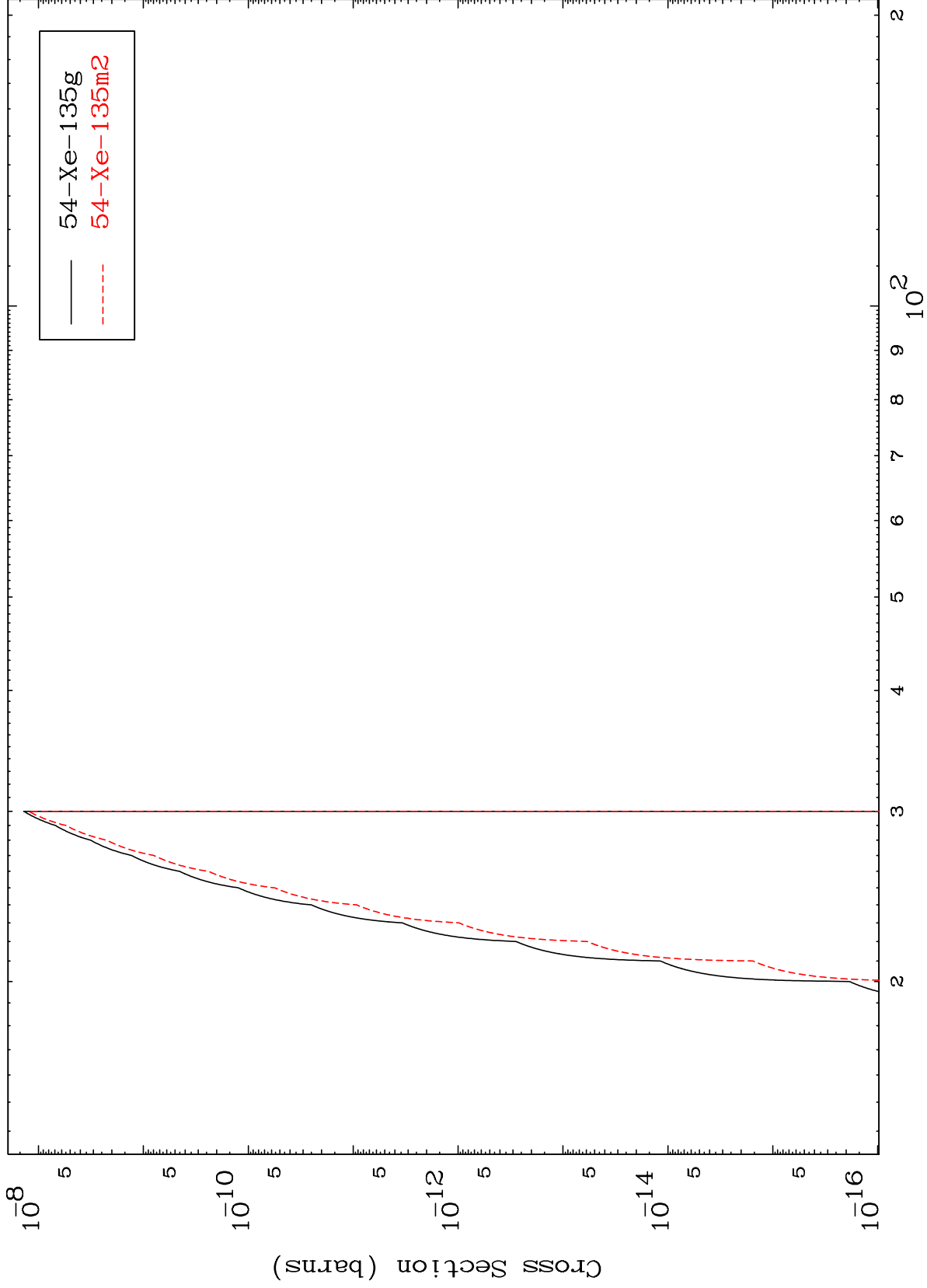
56-Ba-137

MAT 5646

(n,p) d

56-Ba-137

Radionuclide Production Cross Section



98

Incident Energy (MeV)

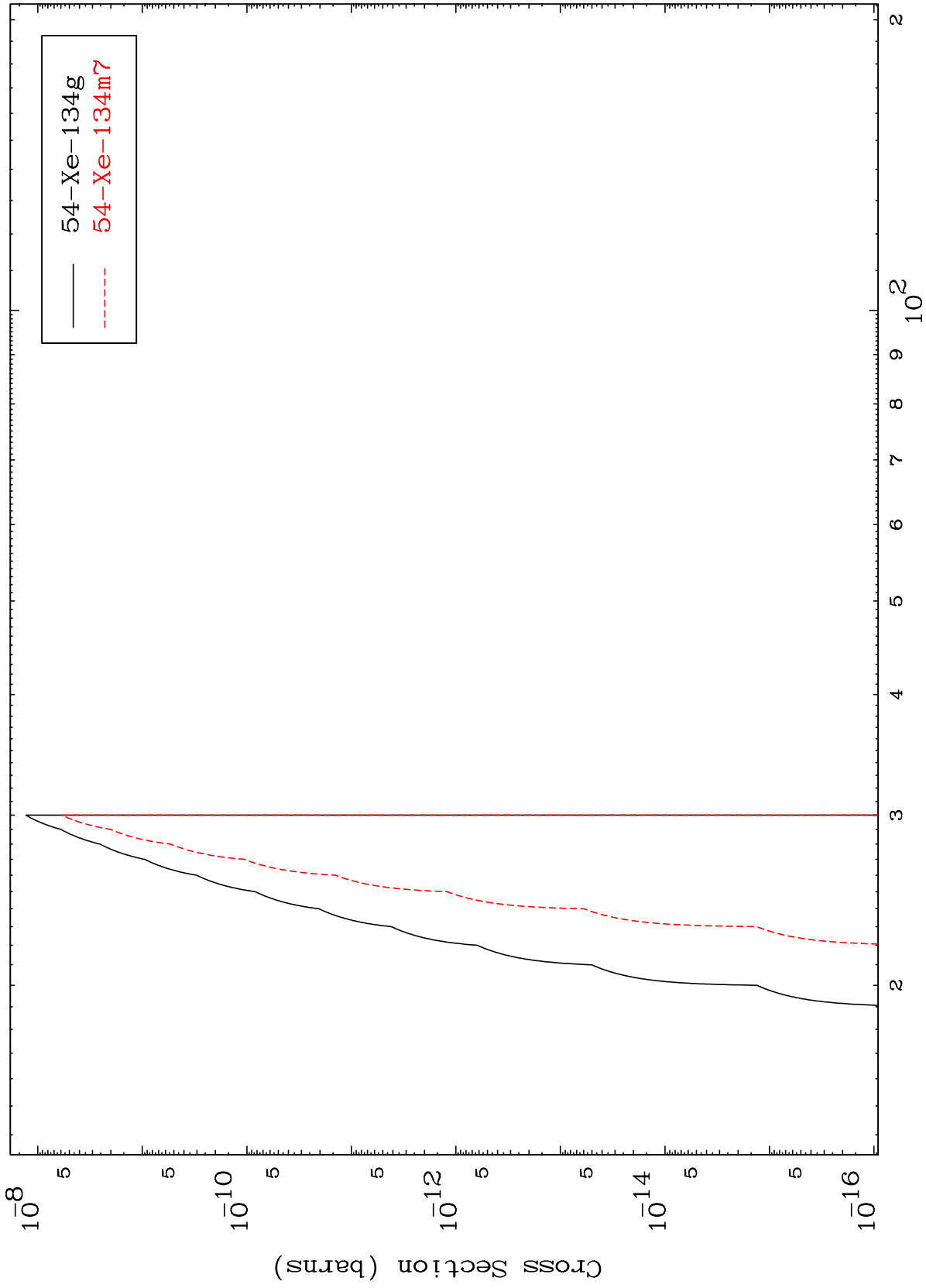
56-Ba-137

MAT 5646

(n,p) t

56-Ba-137

Radionuclide Production Cross Section



99

Incident Energy (MeV)

56-Ba-137