

Program EVALPLOT
(Version 2018-1)

by

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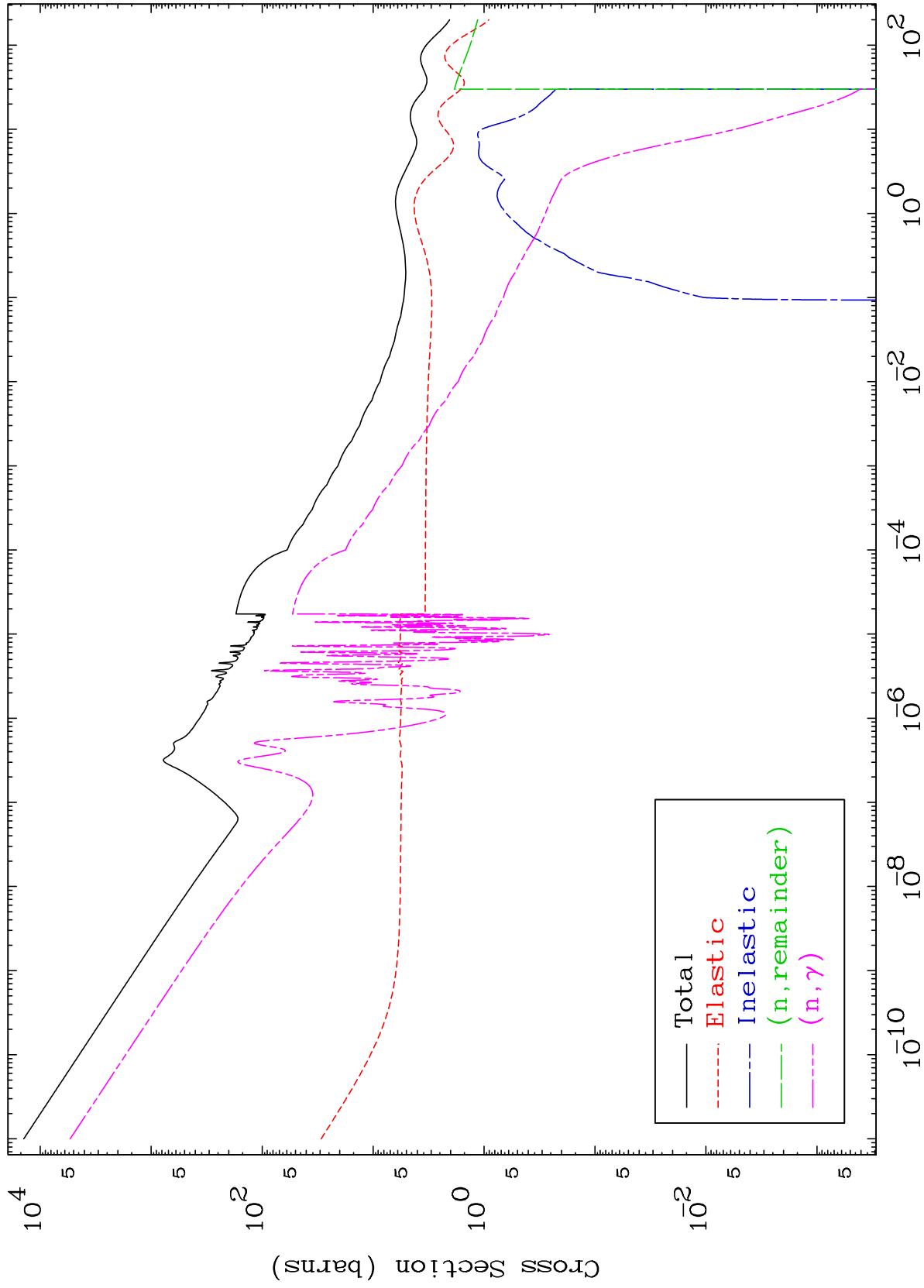
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5604

Major
293 Kelvin Cross Sections

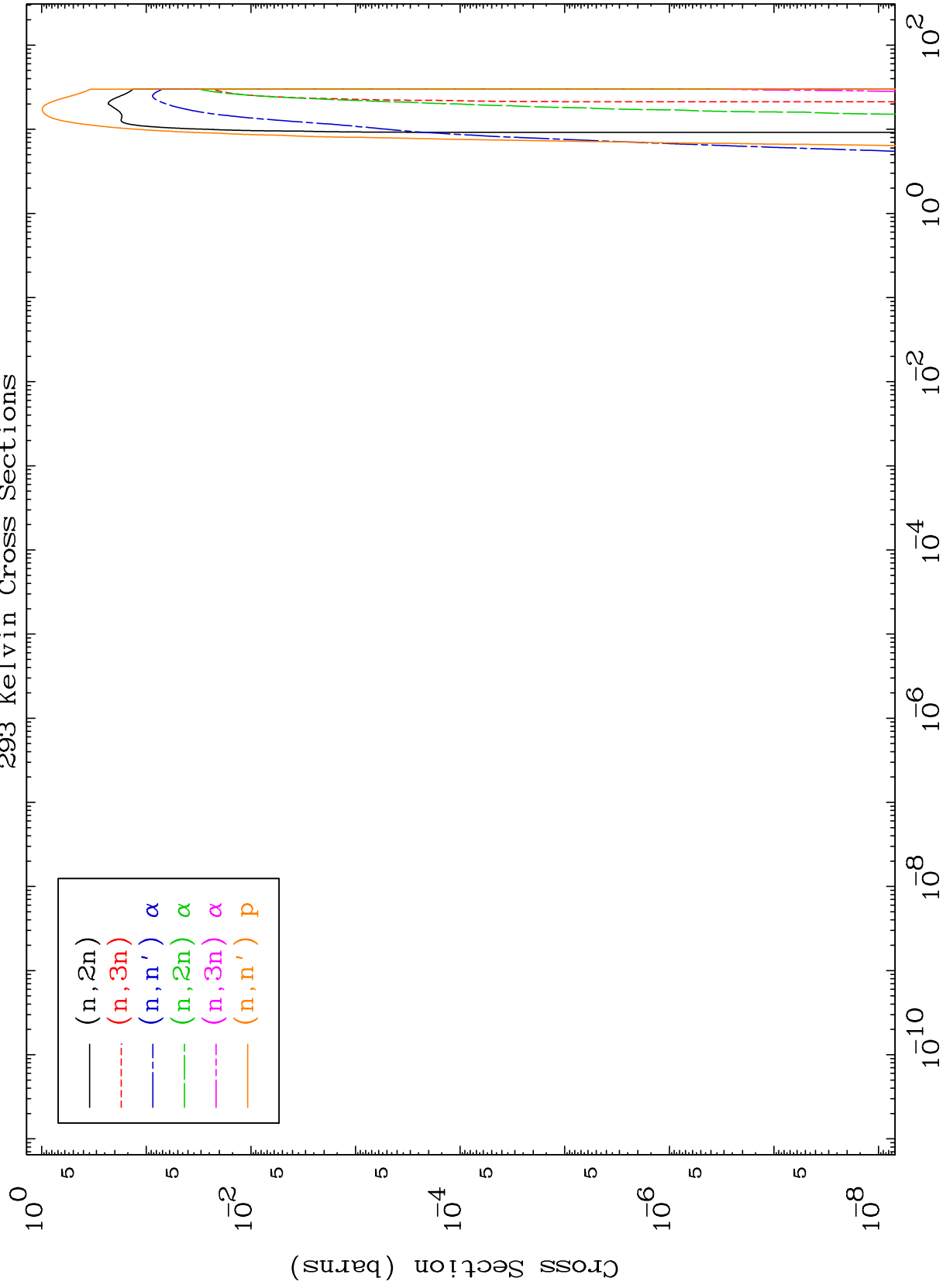
56-Ba-123



MAT 5604

Neutron Production
293 Kelvin Cross Sections

56-Ba-123



2

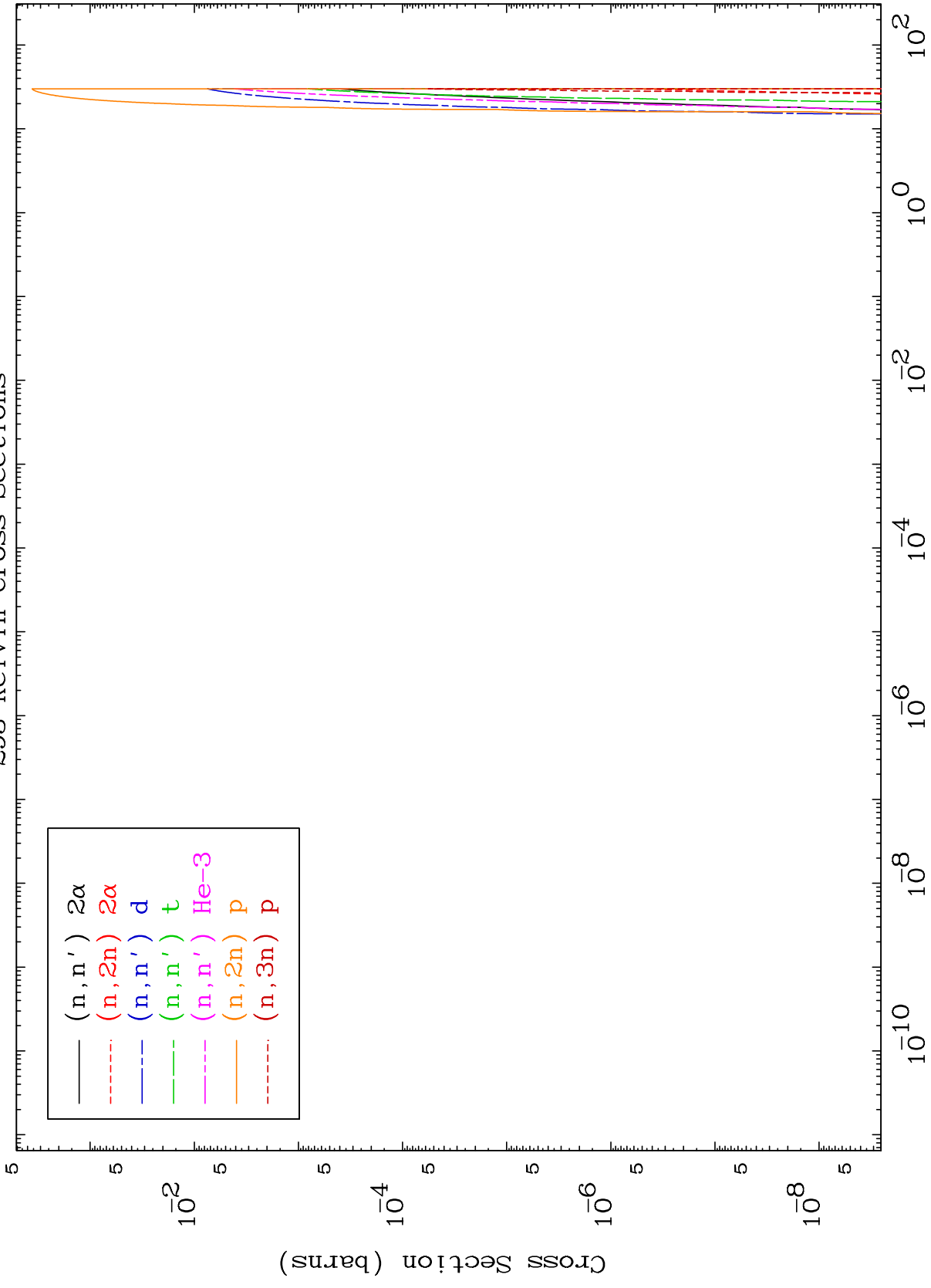
Incident Energy (MeV)

56-Ba-123

MAT 5604

Neutron Production
293 Kelvin Cross Sections

56-Ba-123

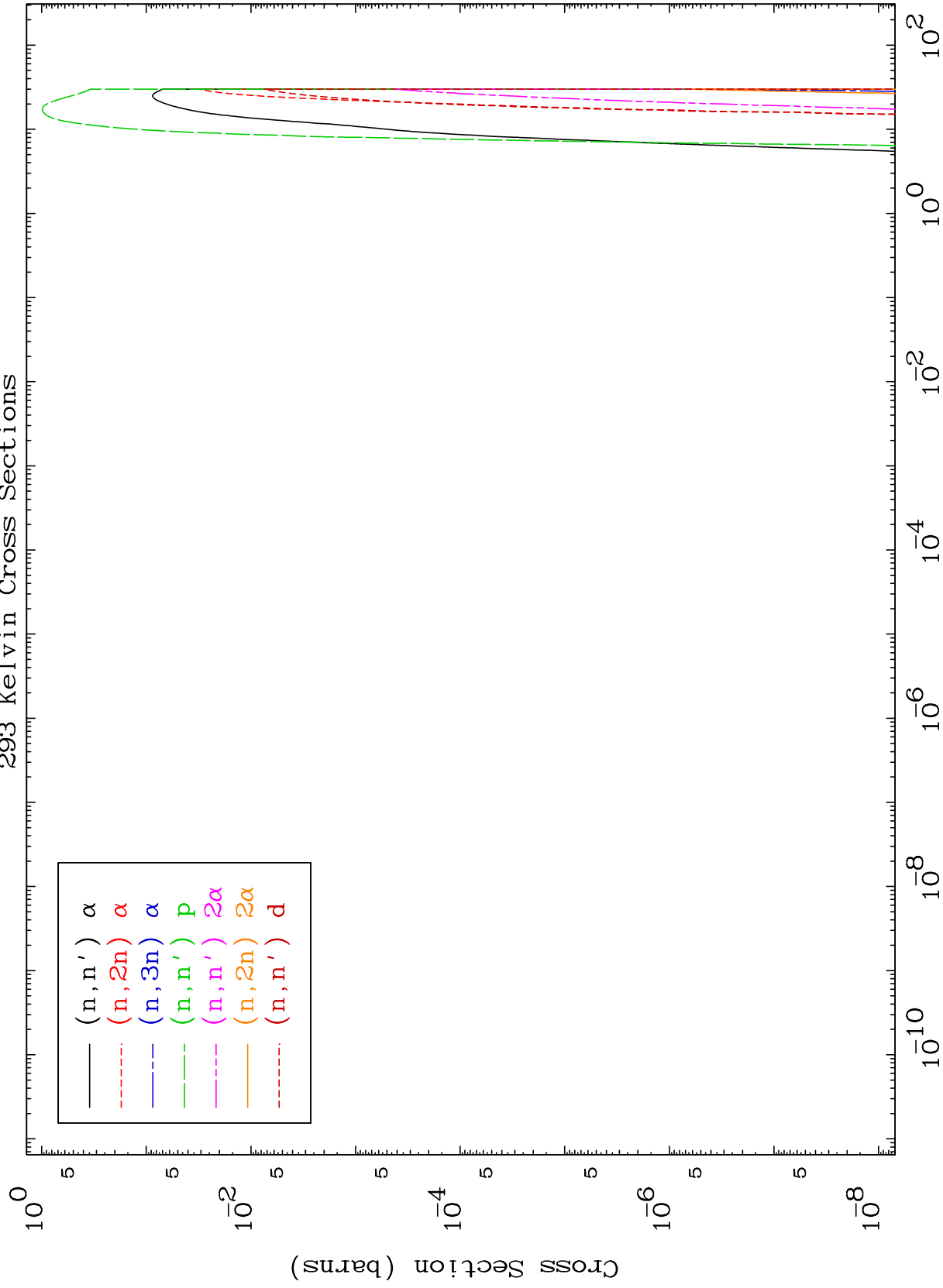


56-Ba-123

MAT 5604

293 Charged Particle
Kelvin Cross Sections

56-Ba-123

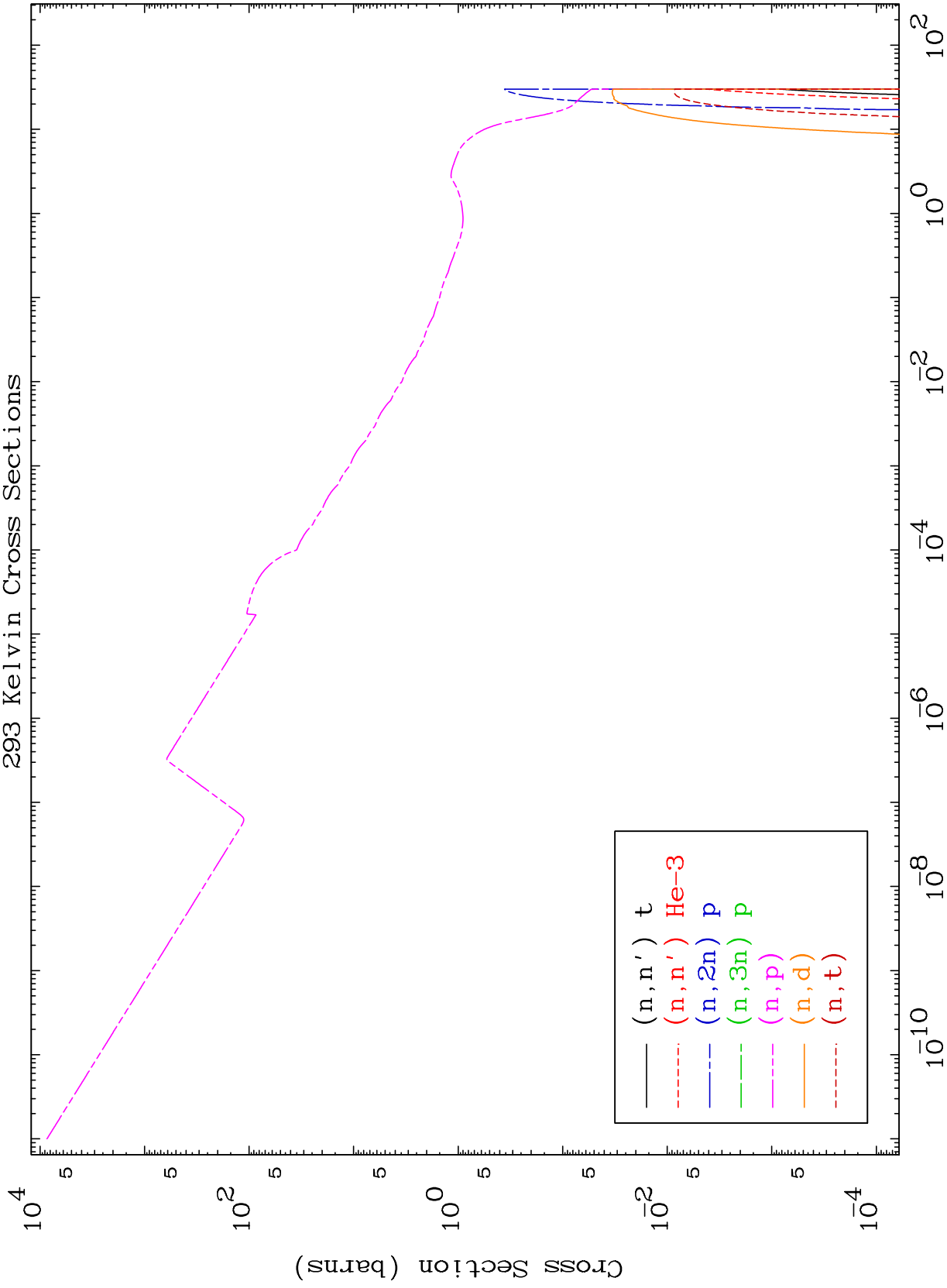


56-Ba-123

MAT 5604

293 Kelvin Cross Sections

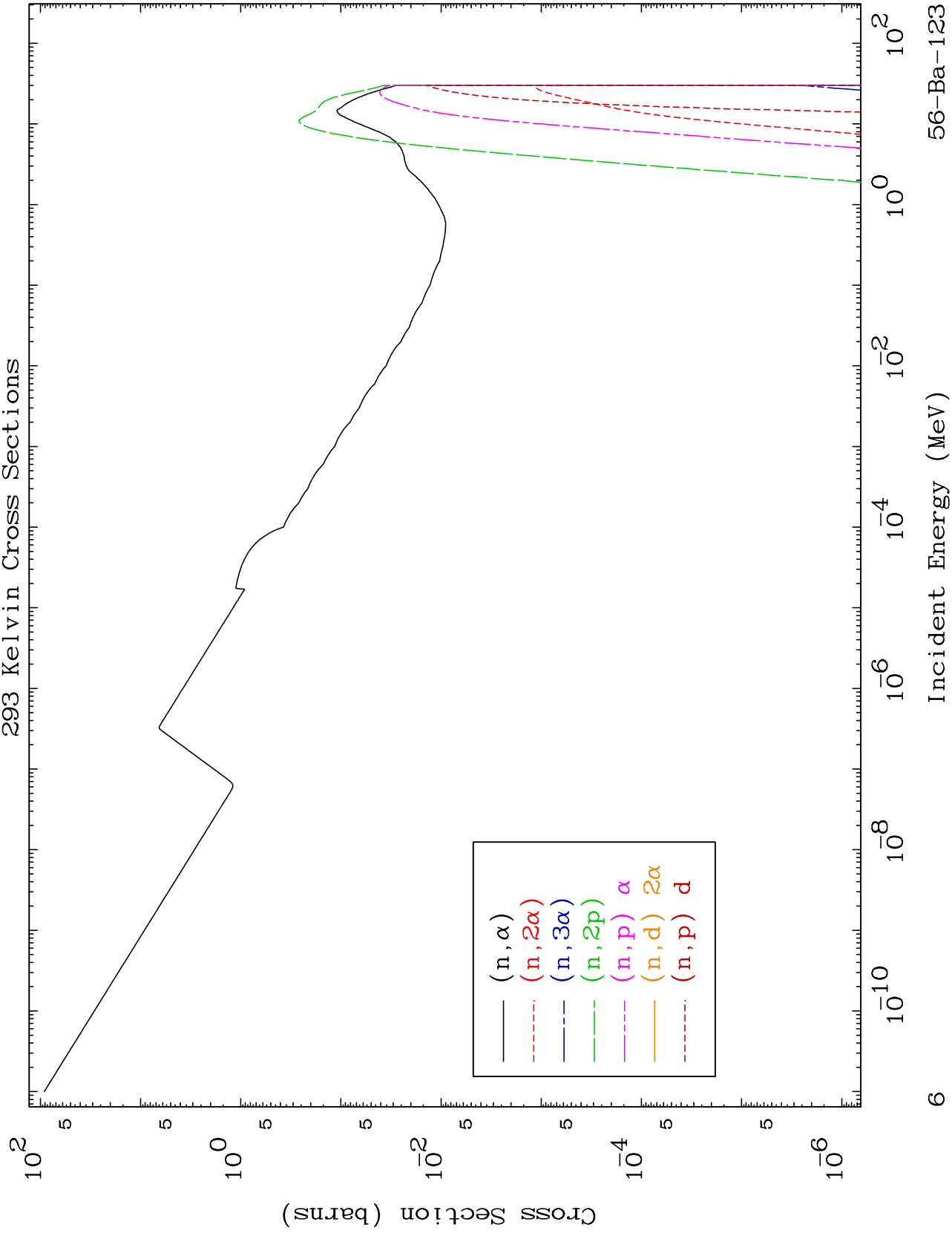
56-Ba-123



MAT 5604

Charged Particle
293 Kelvin Cross Sections

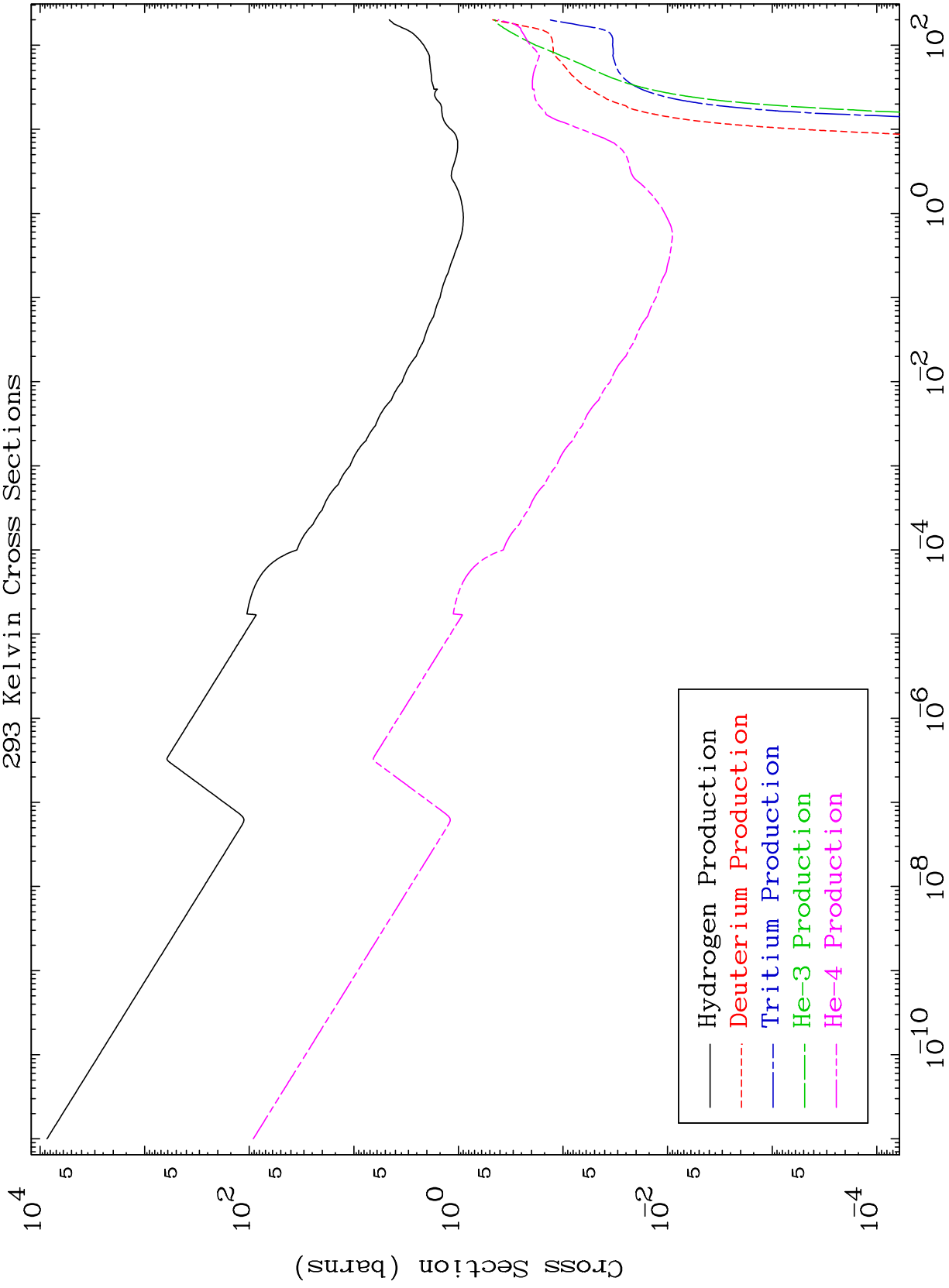
56-Ba-123



MAT 5604

Particle Production
293 Kelvin Cross Sections

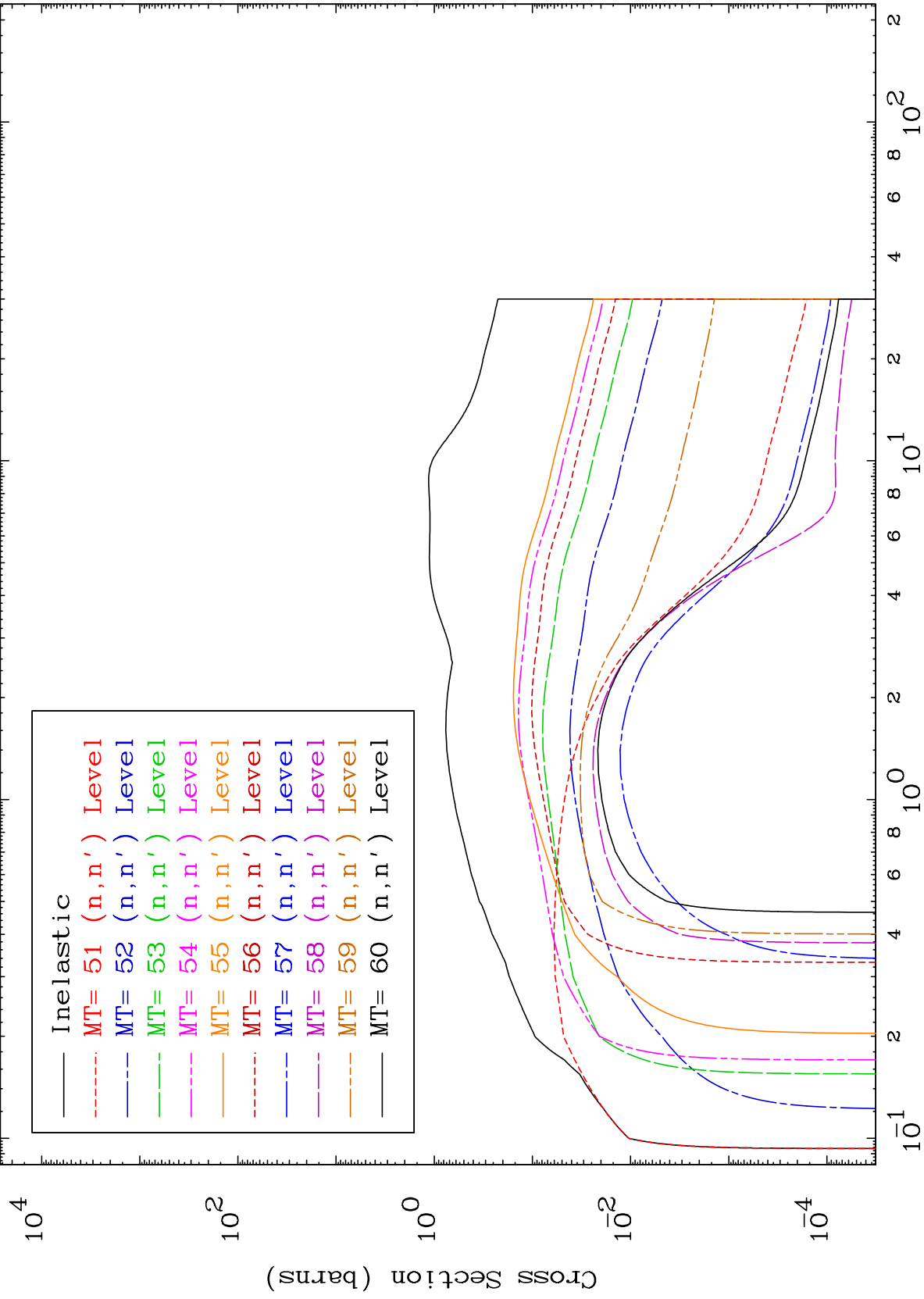
56-Ba-123



MAT 5604

(n,n') Level
293 Kelvin Cross Sections

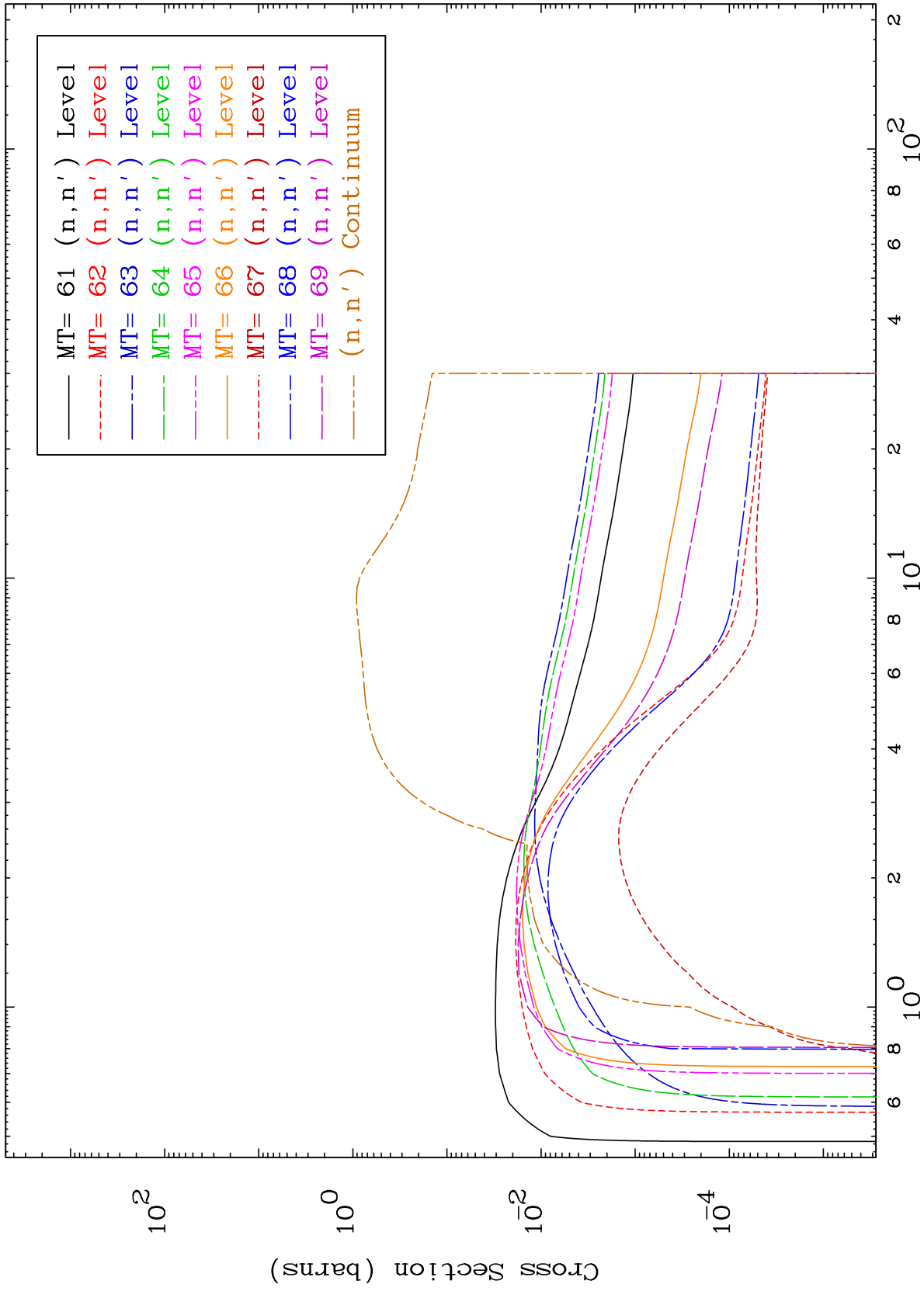
56-Ba-123



8

Incident Energy (MeV)

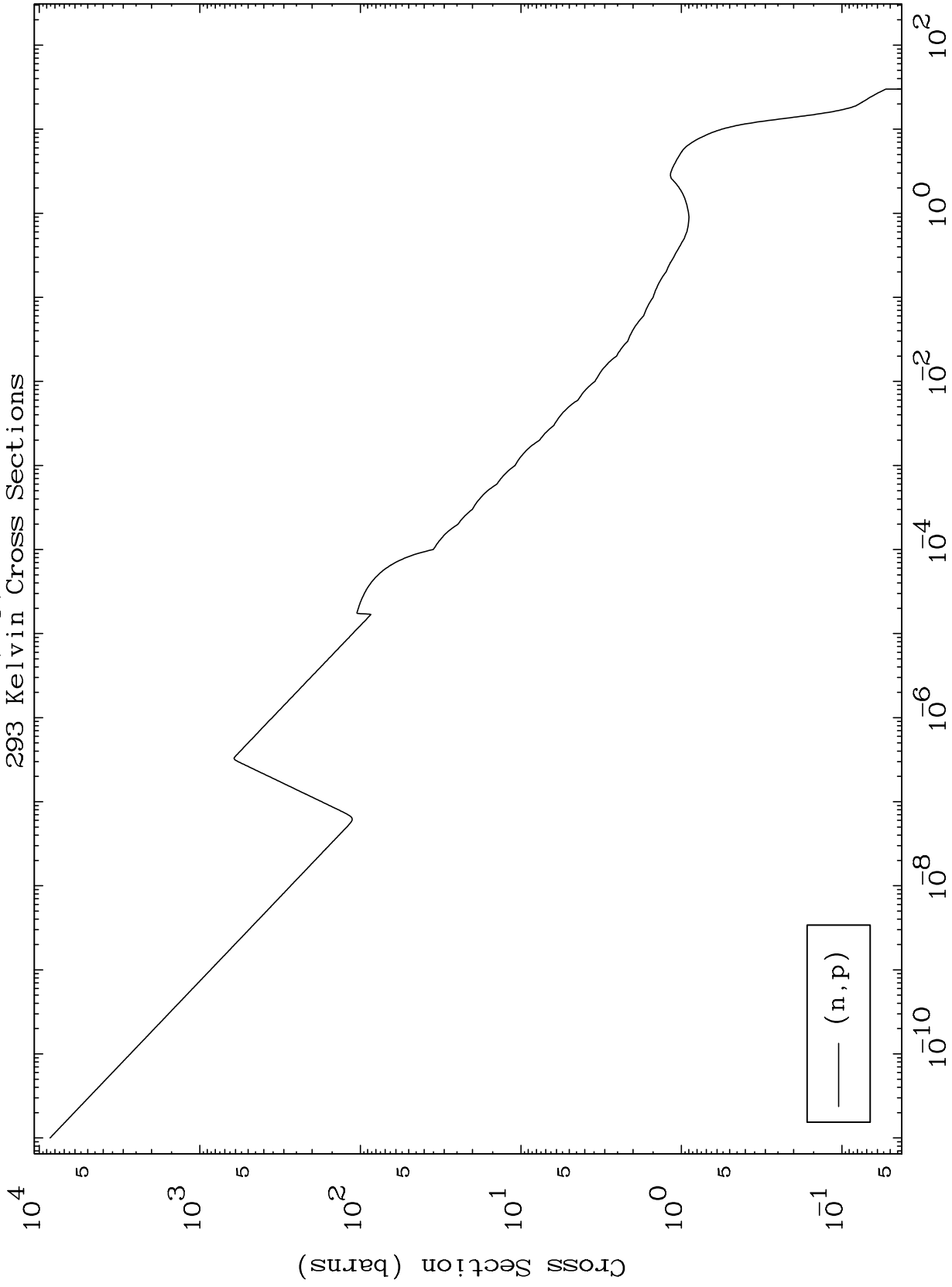
56-Ba-123



MAT 5604

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-123



10

Incident Energy (MeV)

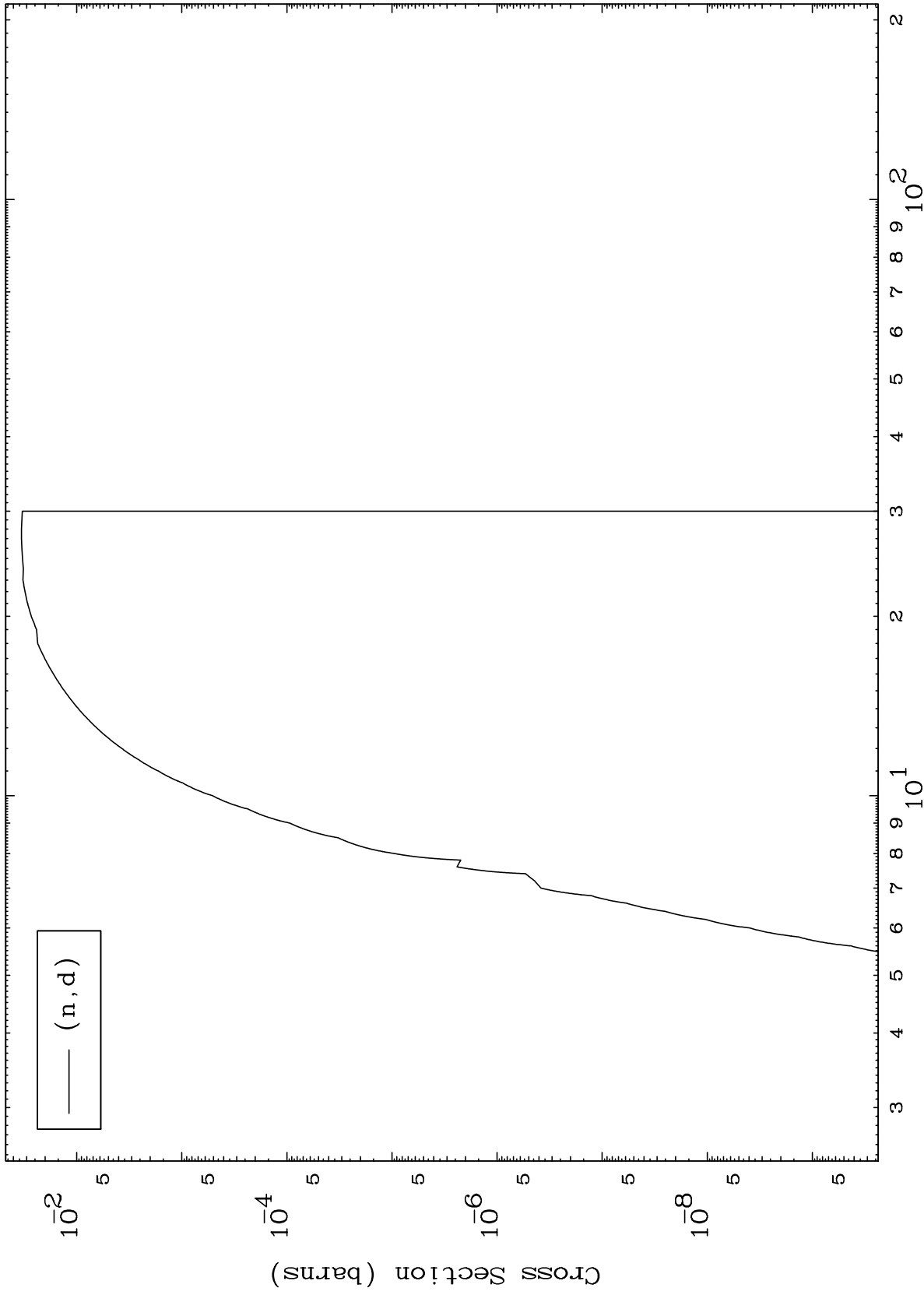
56-Ba-123

— (n,p)

MAT 5604

(n,d) Levels
293 Kelvin Cross Sections

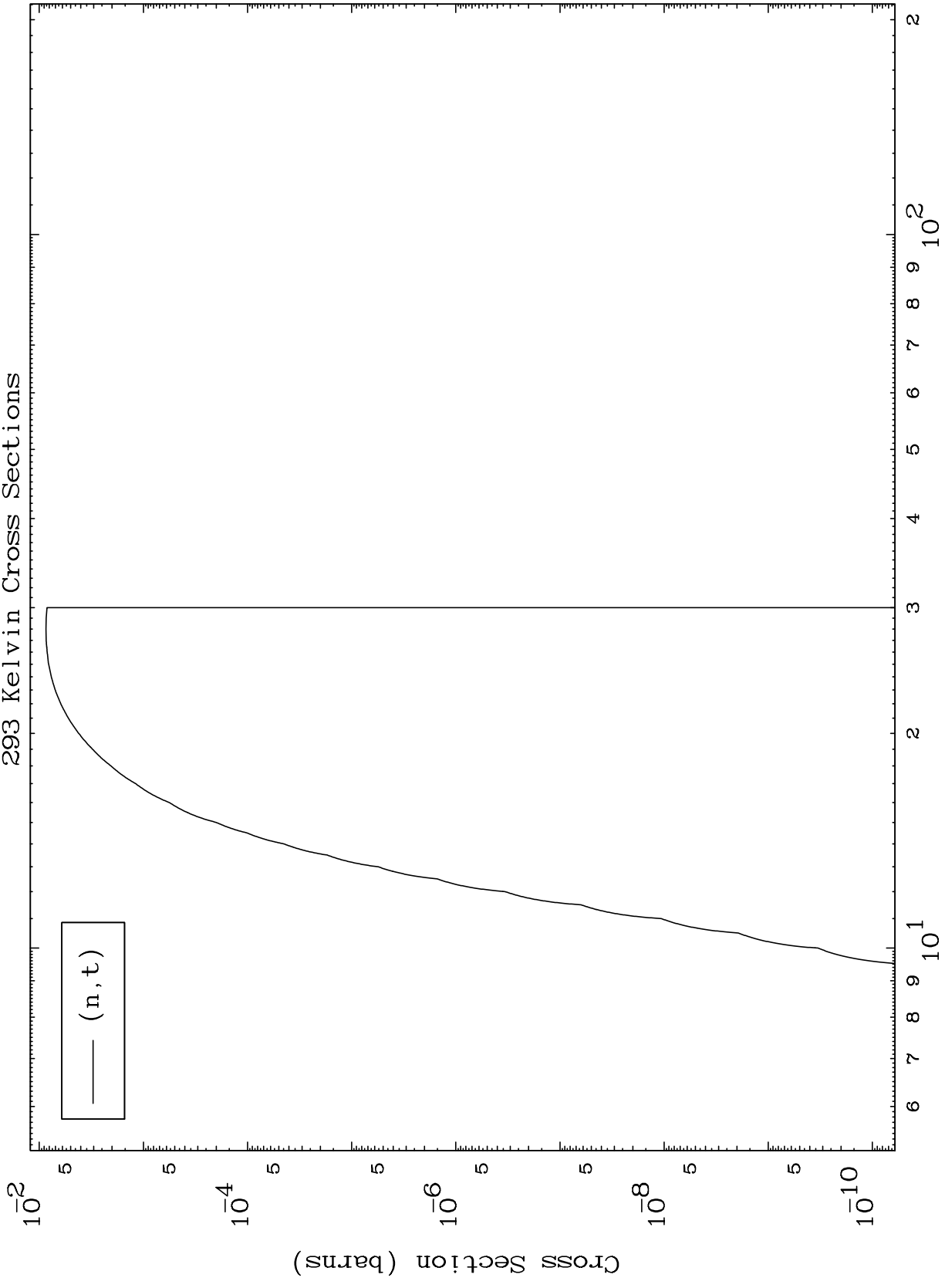
56-Ba-123



MAT 5604

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-123



12

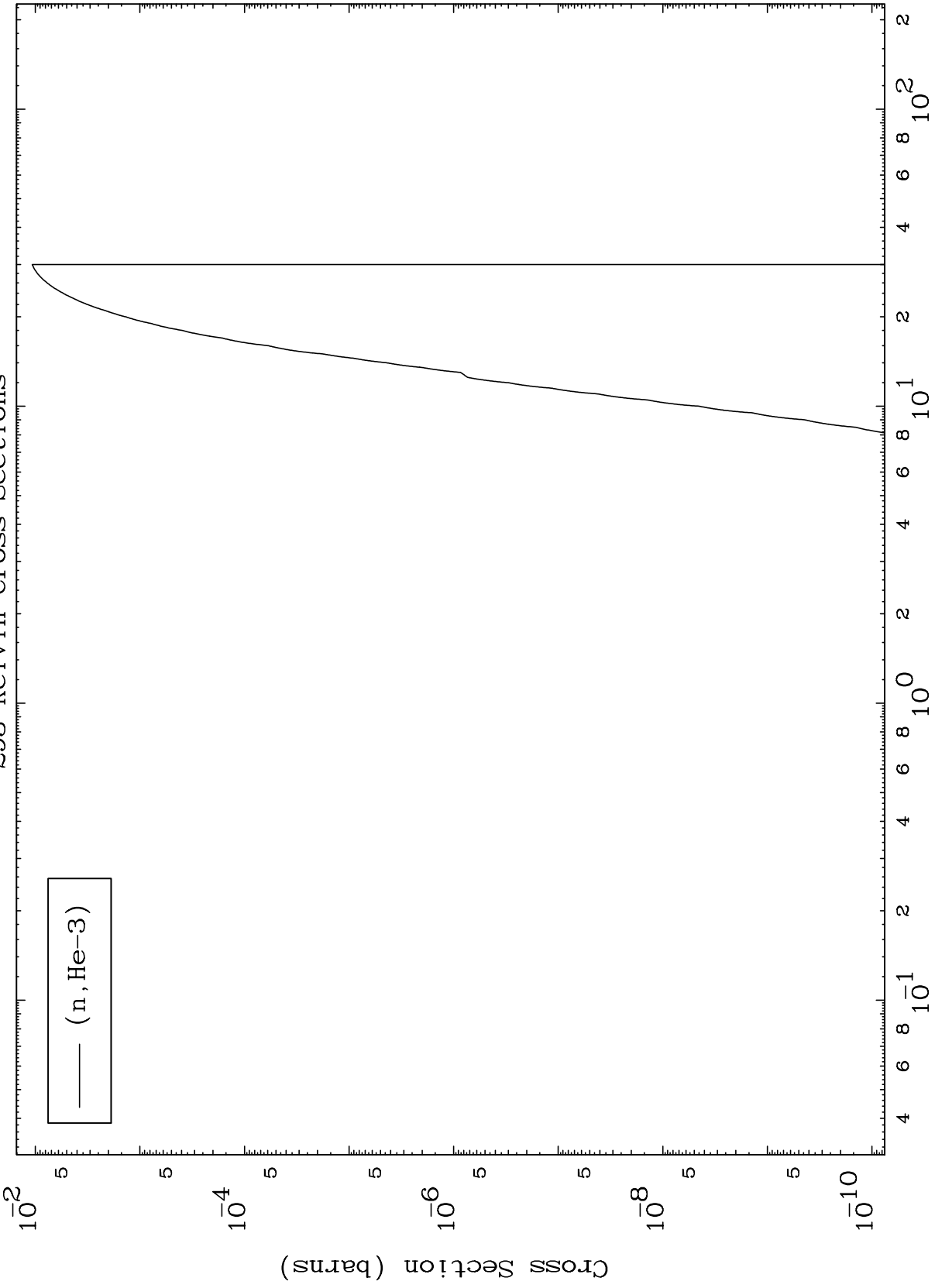
Incident Energy (MeV)

56-Ba-123

MAT 5604

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-123



13

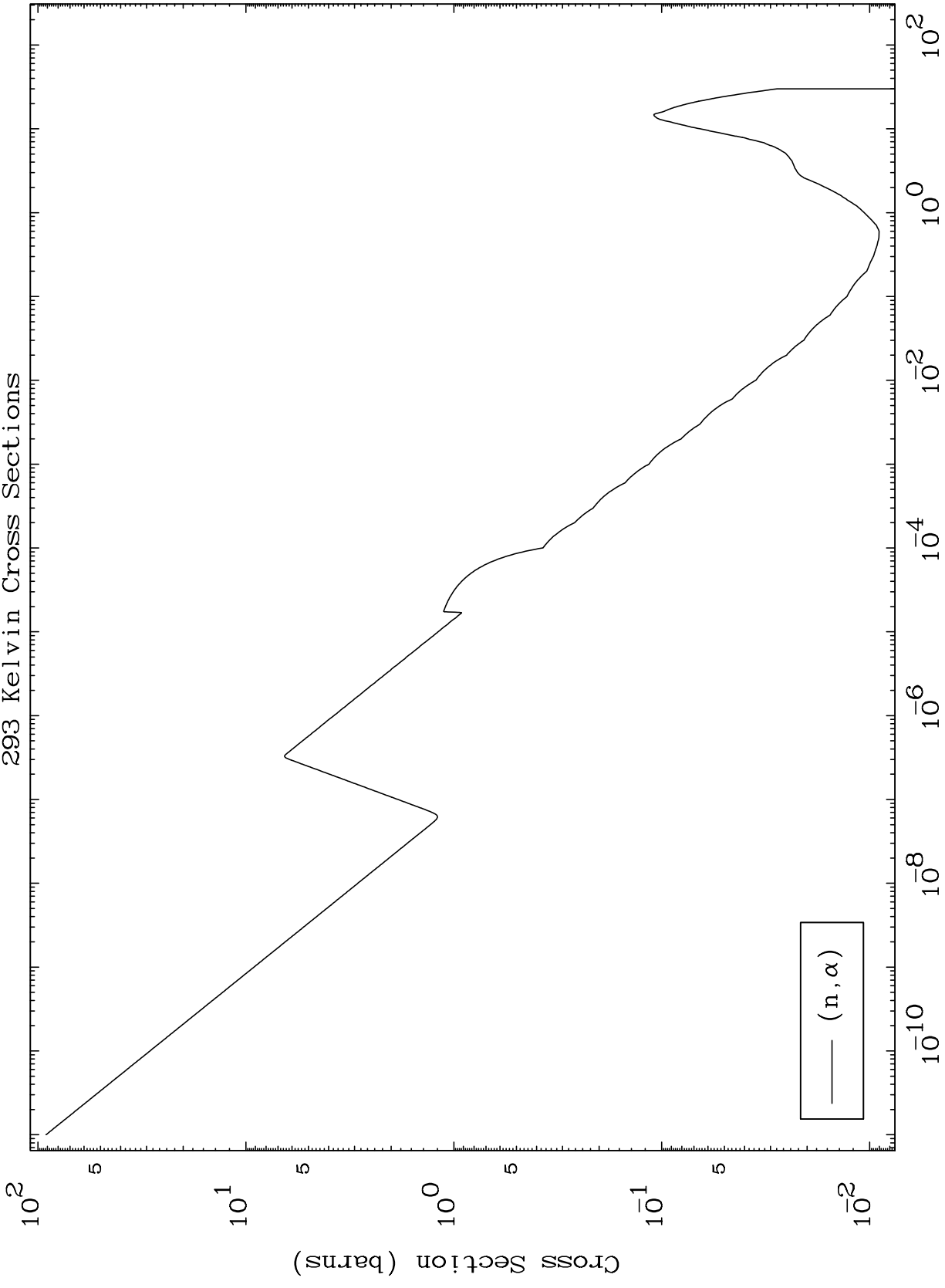
Incident Energy (MeV)

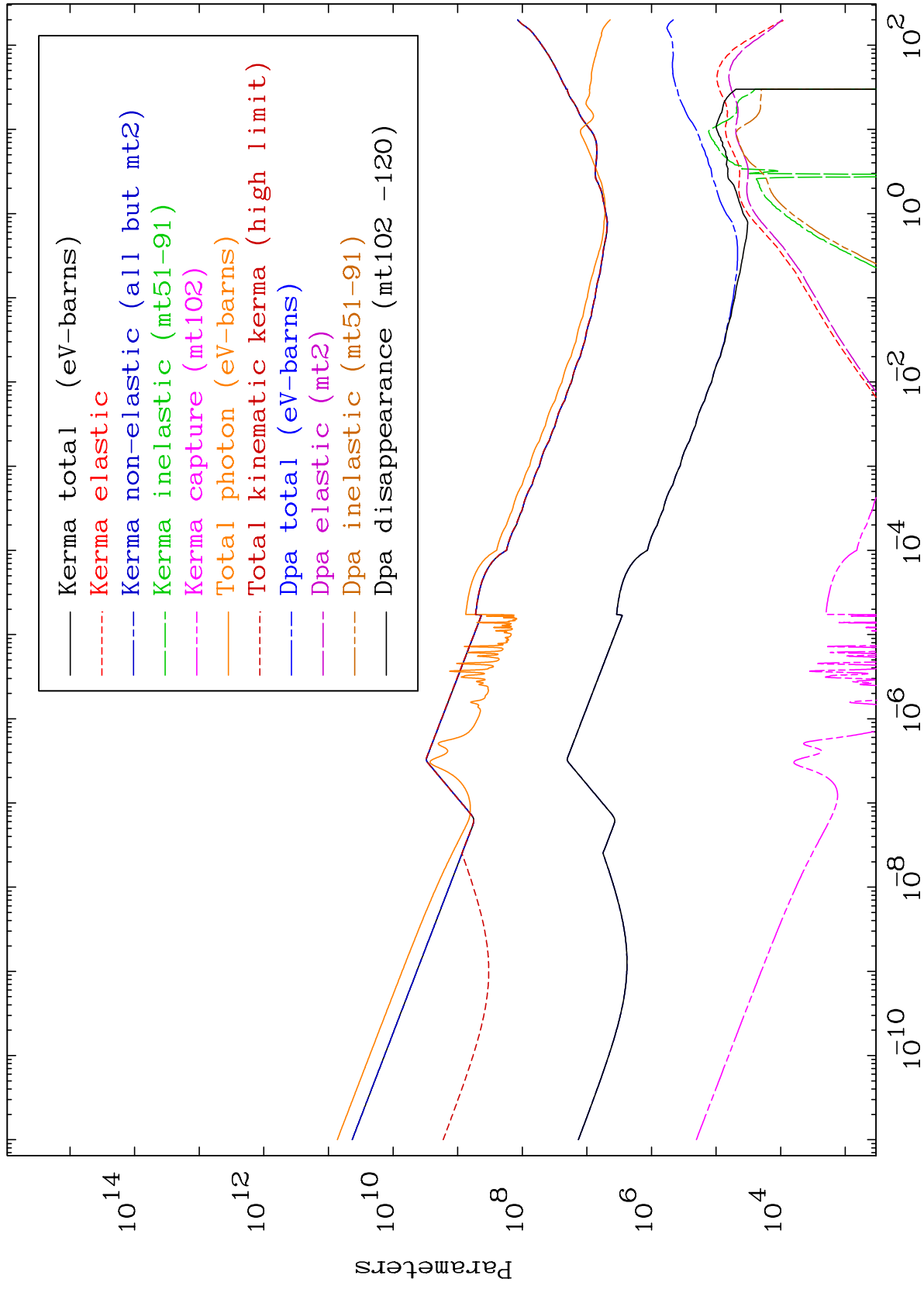
56-Ba-123

MAT 5604

(n,α) Levels
293 Kelvin Cross Sections

56-Ba-123

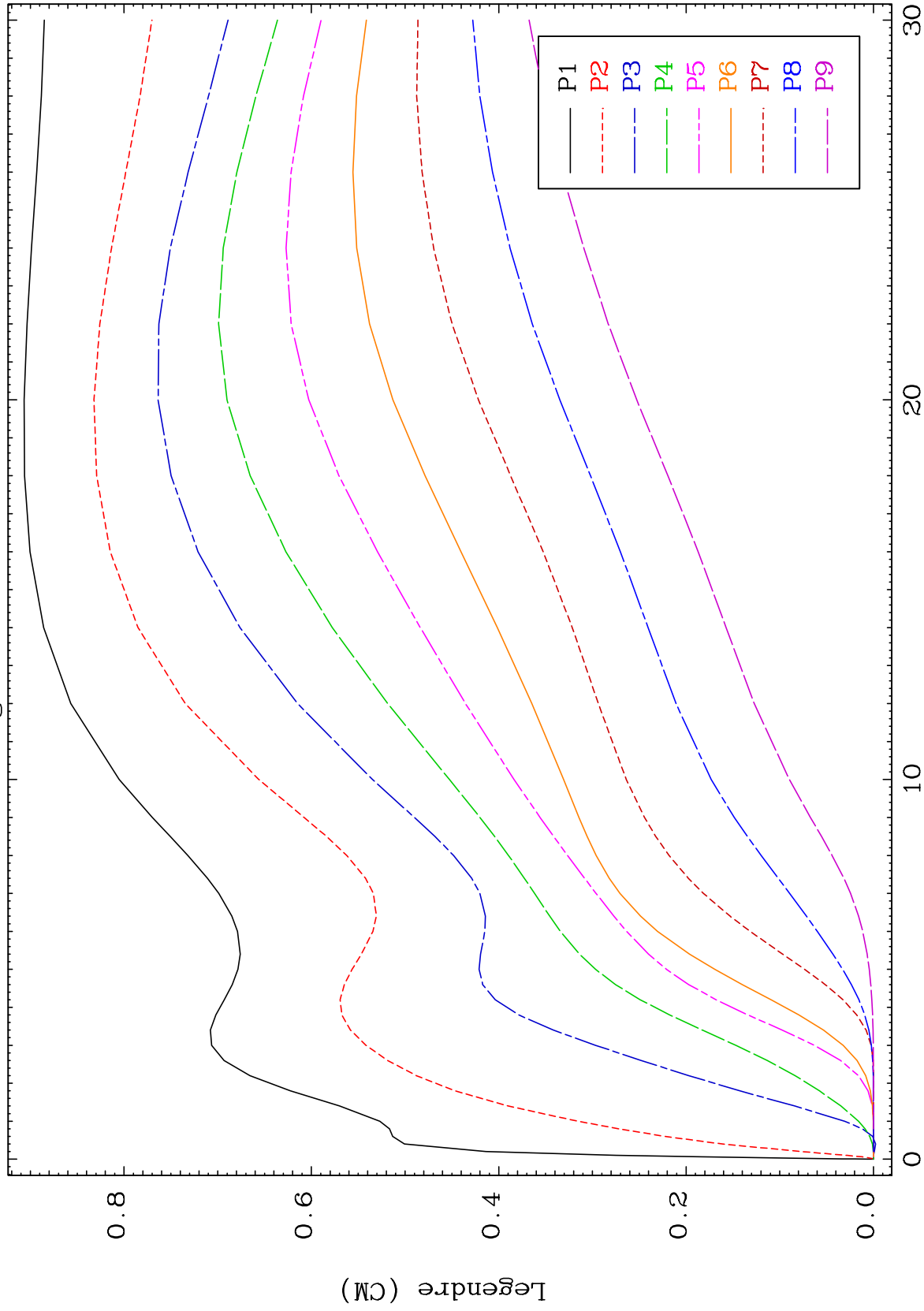




MAT 5604

Elastic Legendre Coefficients

56-Ba-123



0

0.0

0.2

0.4

0.6

0.8

0

10

20

30

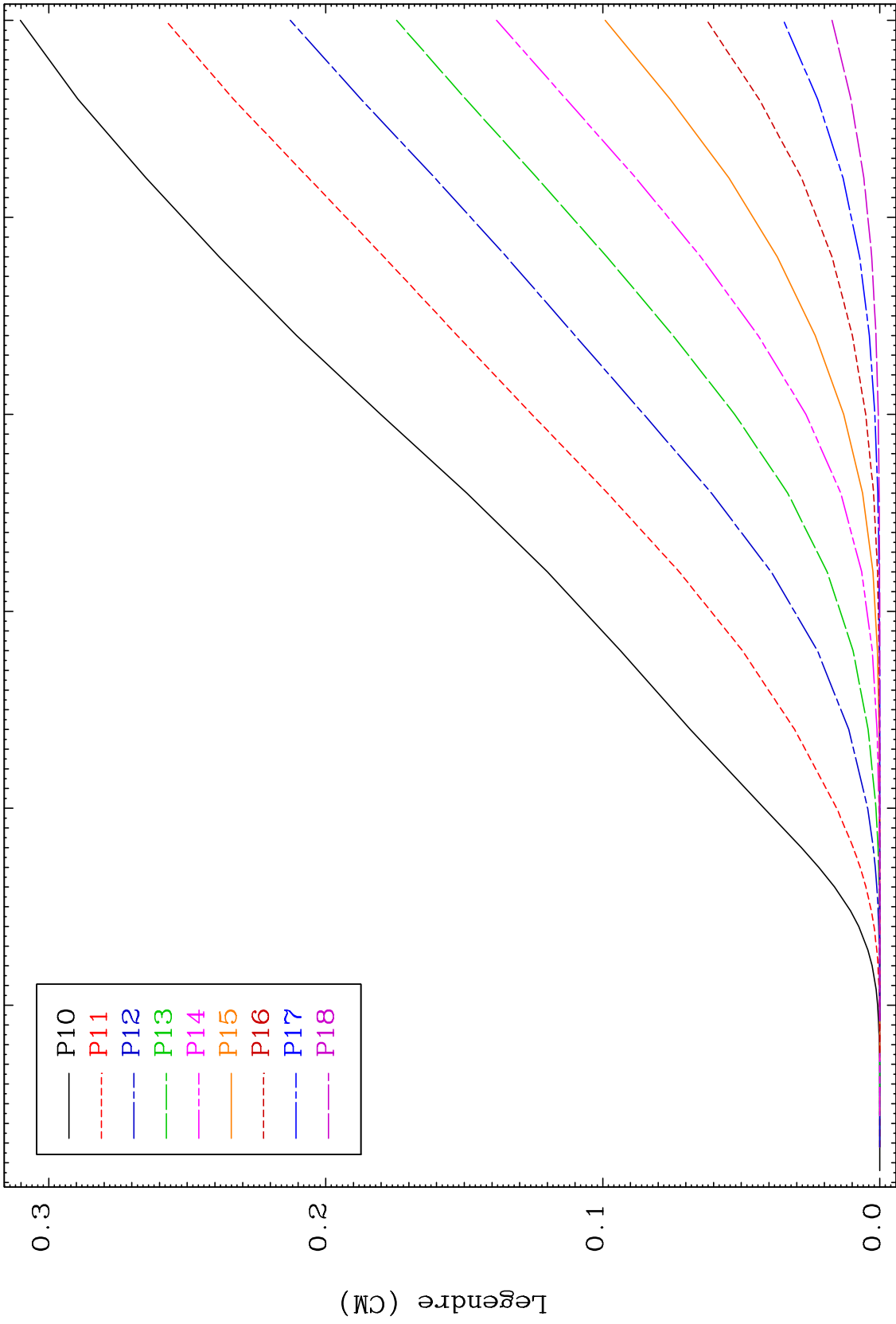
Incident Energy (MeV)

56-Ba-123

MAT 5604

Elastic Legendre Coefficients

56-Ba-123



17

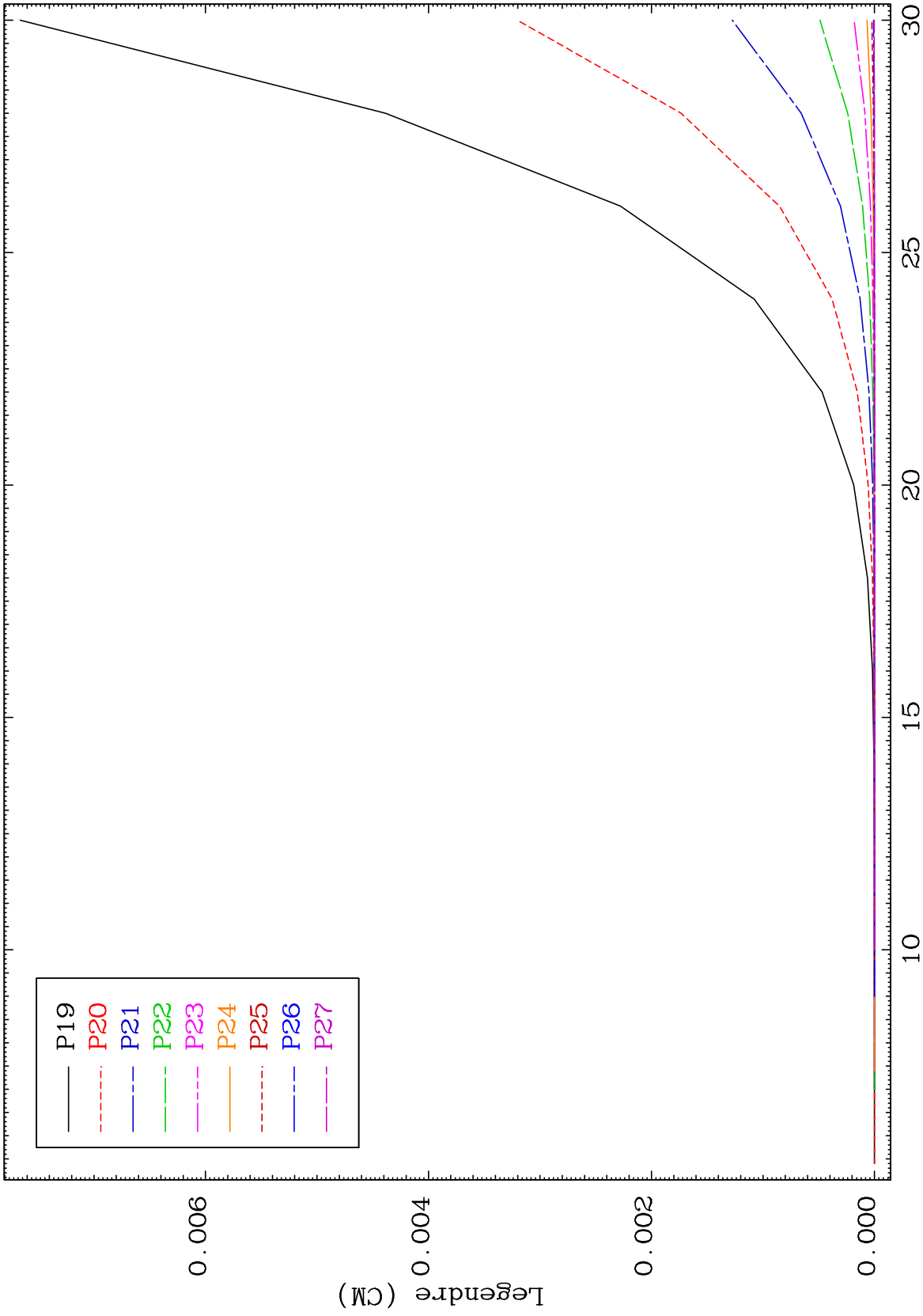
Incident Energy (MeV)

56-Ba-123

MAT 5604

Elastic Legendre Coefficients

56-Ba-123



18

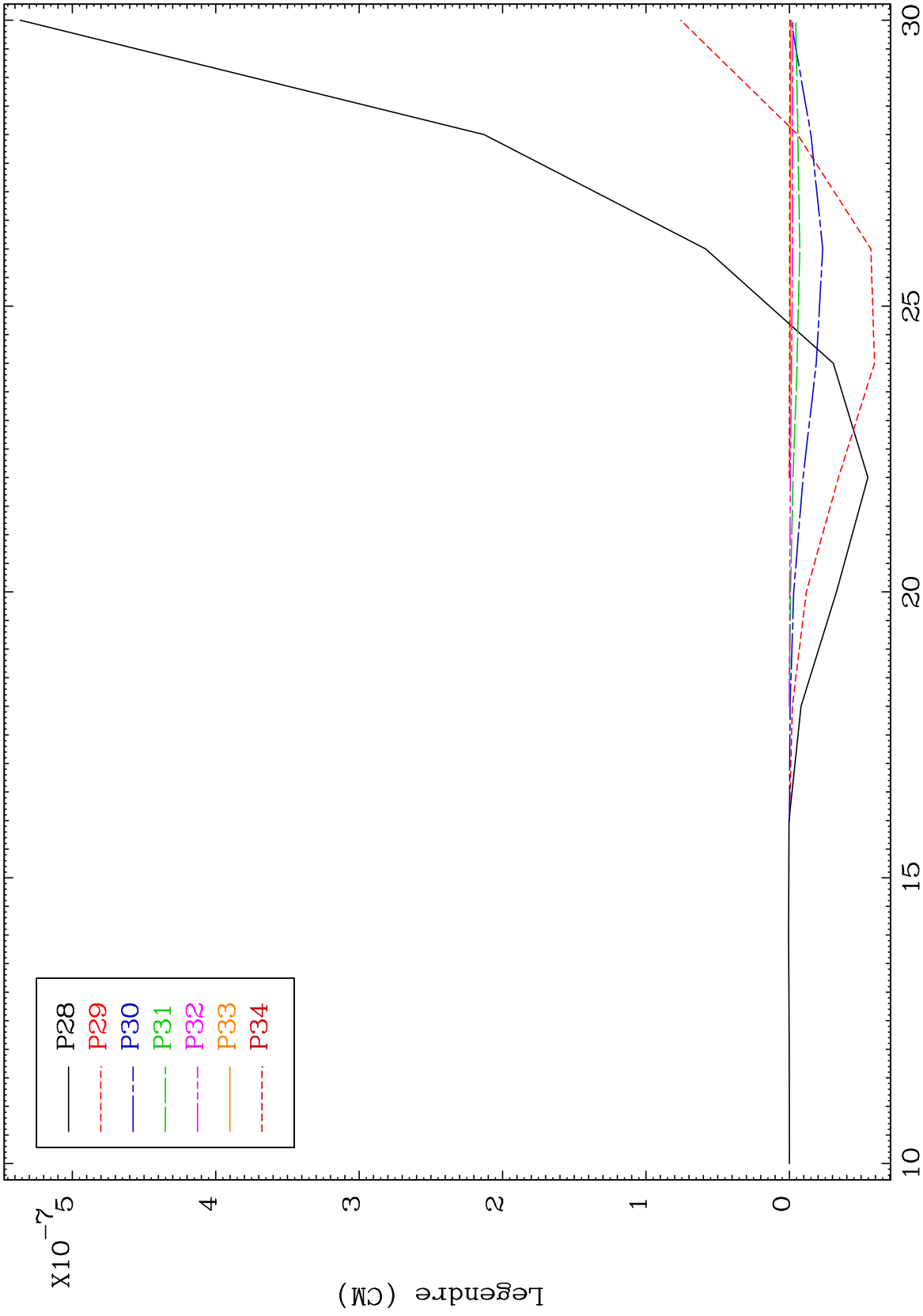
Incident Energy (MeV)

56-Ba-123

MAT 5604

Elastic Legendre Coefficients

56-Ba-123



19

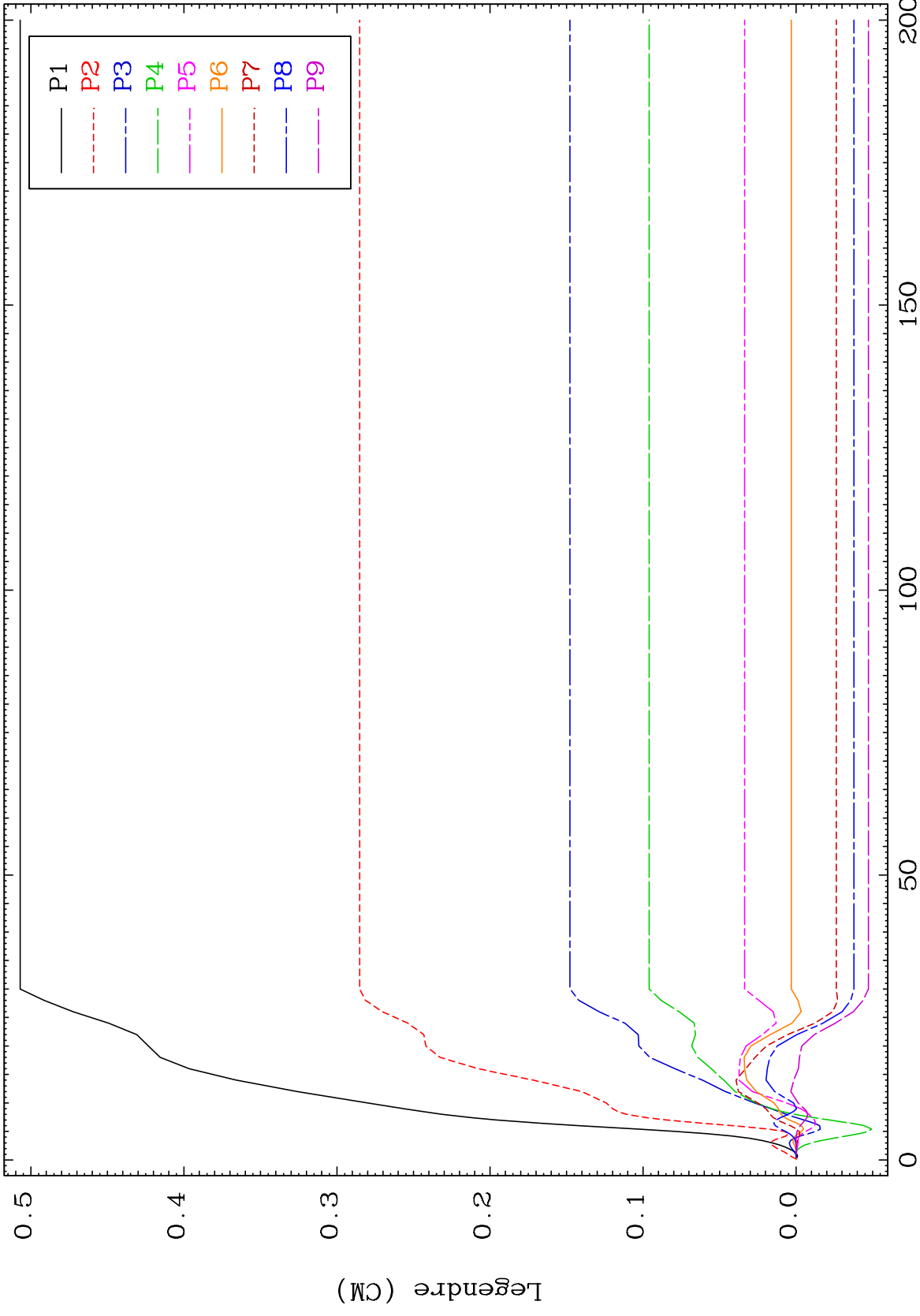
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

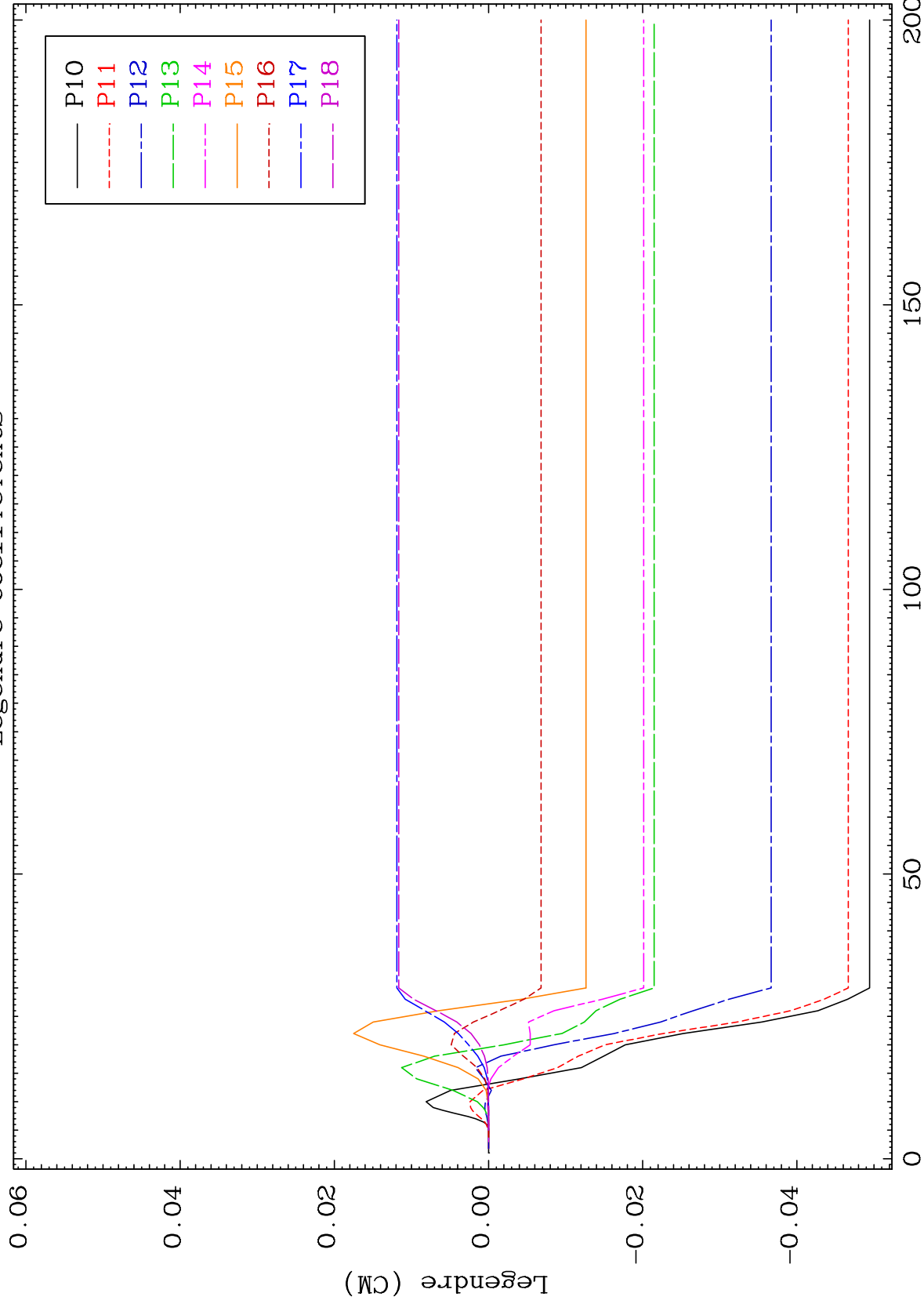
Incident Energy (MeV)

20

MAT 5604

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

56-Ba-123



21

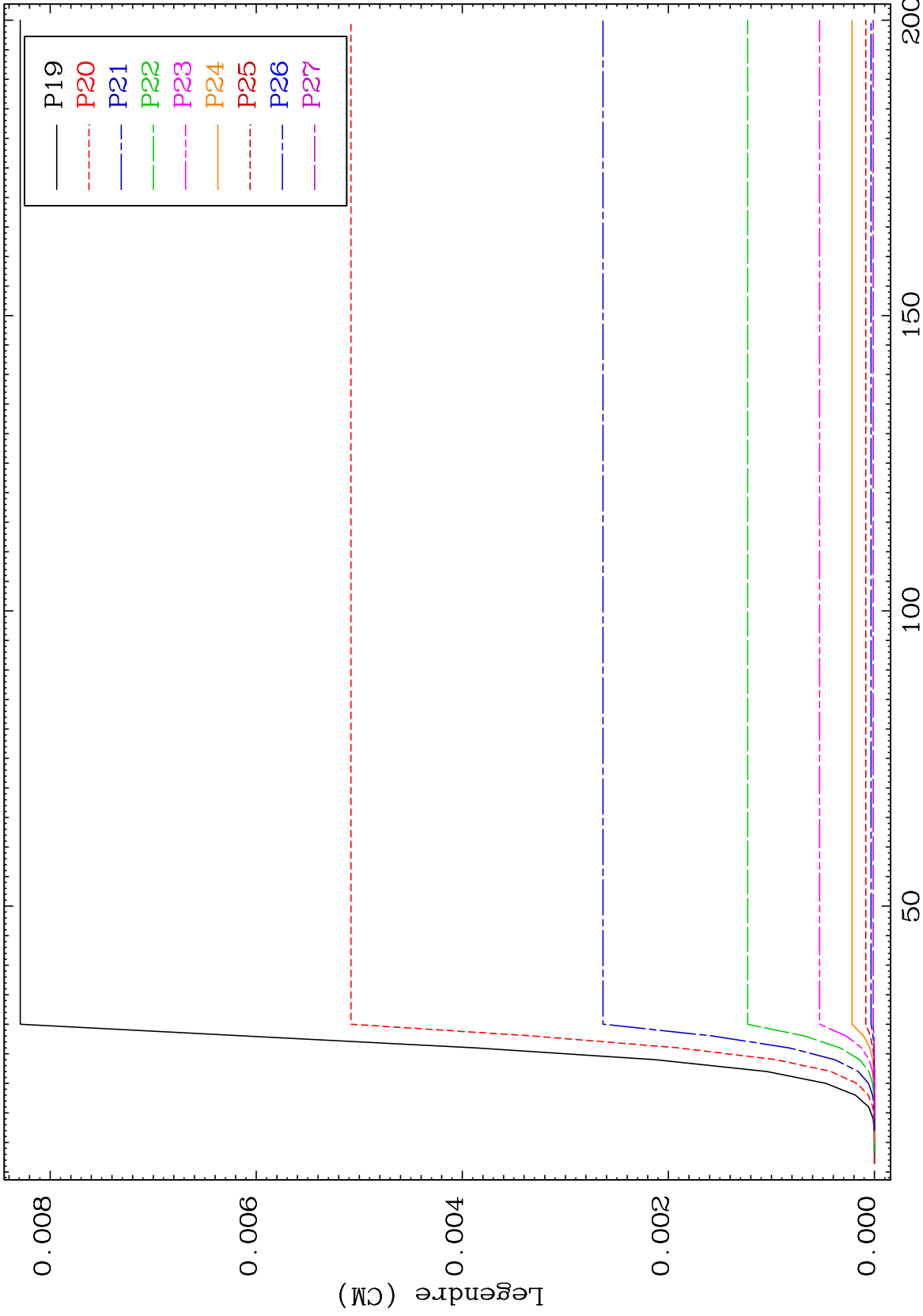
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



22

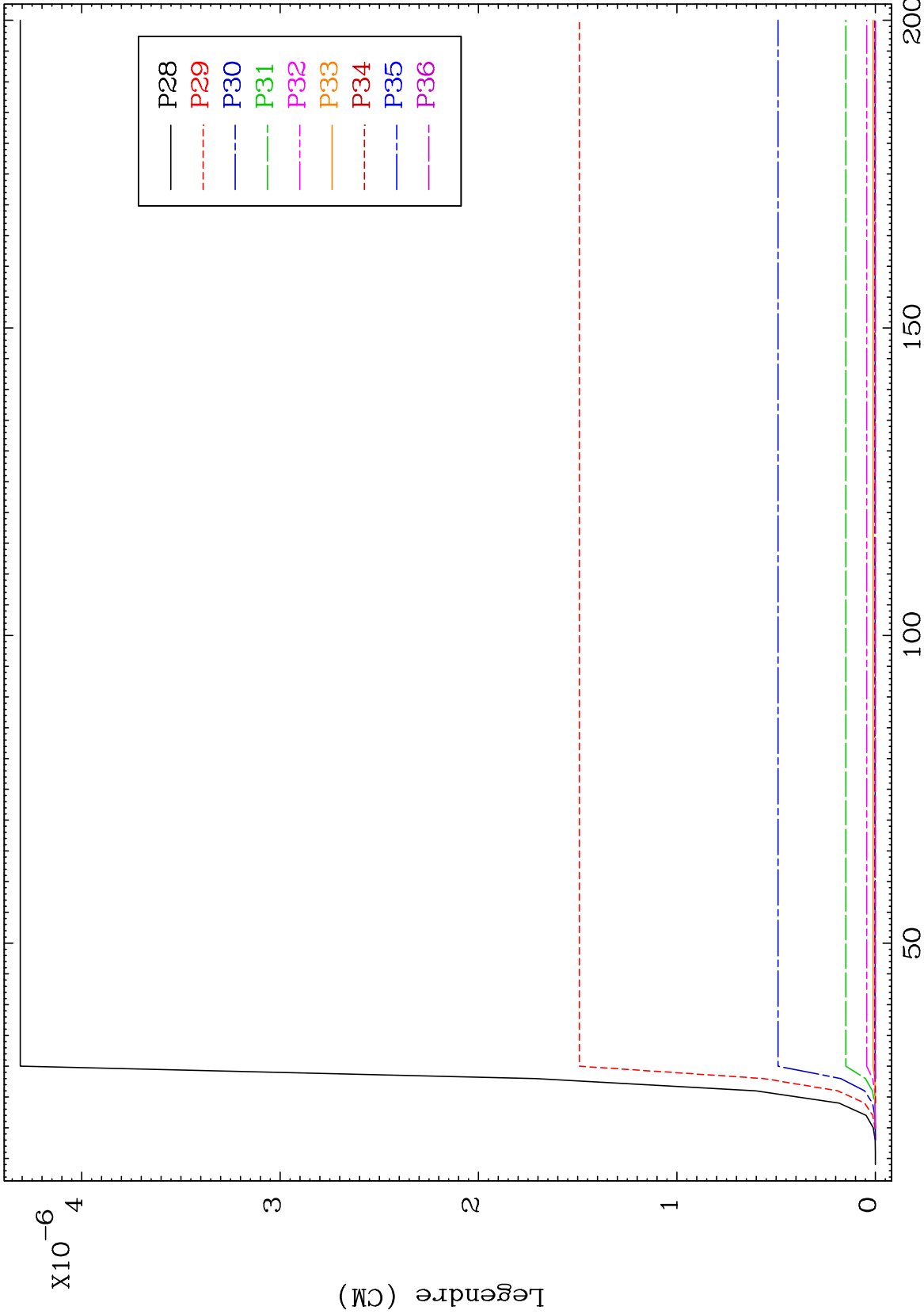
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



23

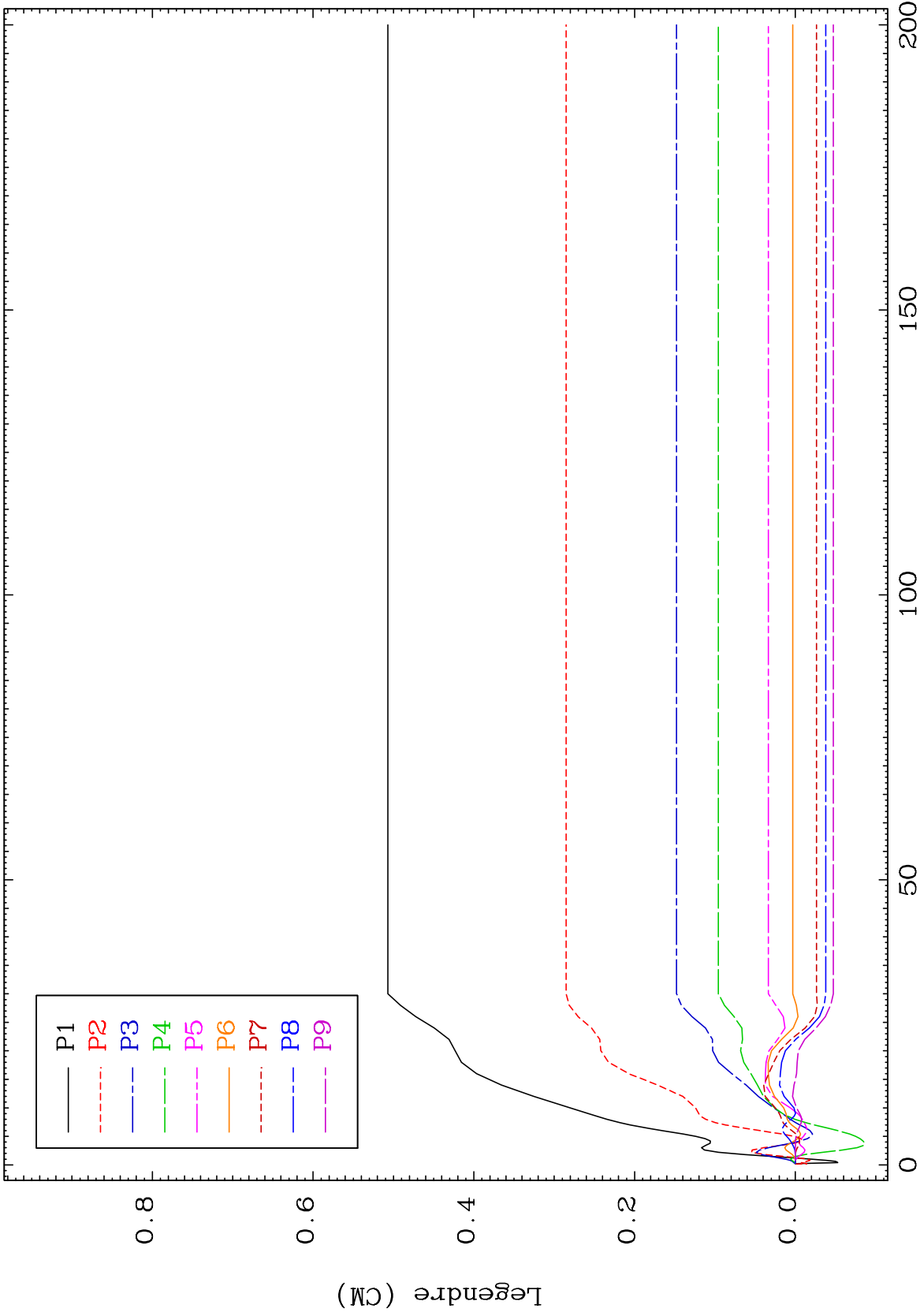
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



24

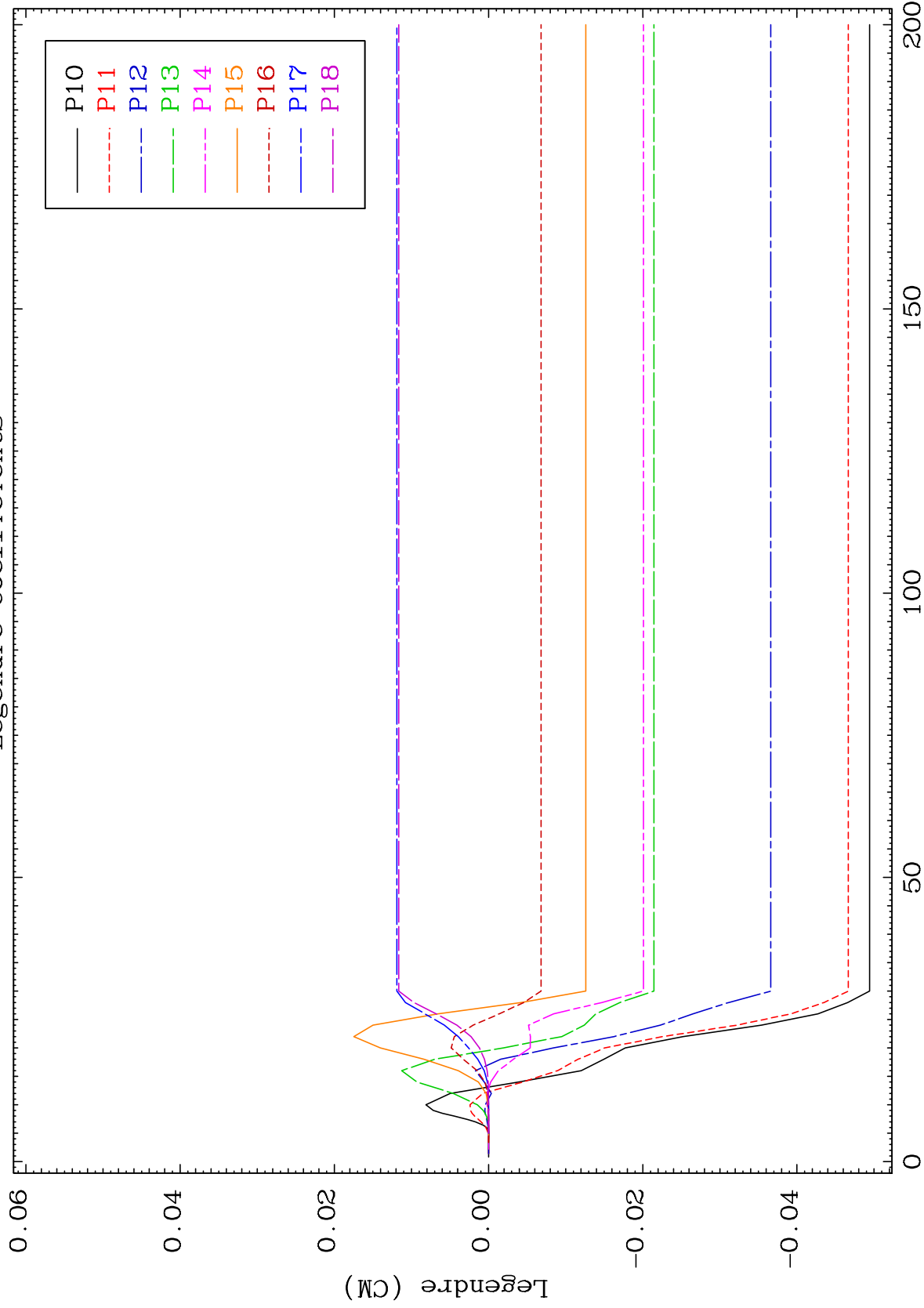
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



25

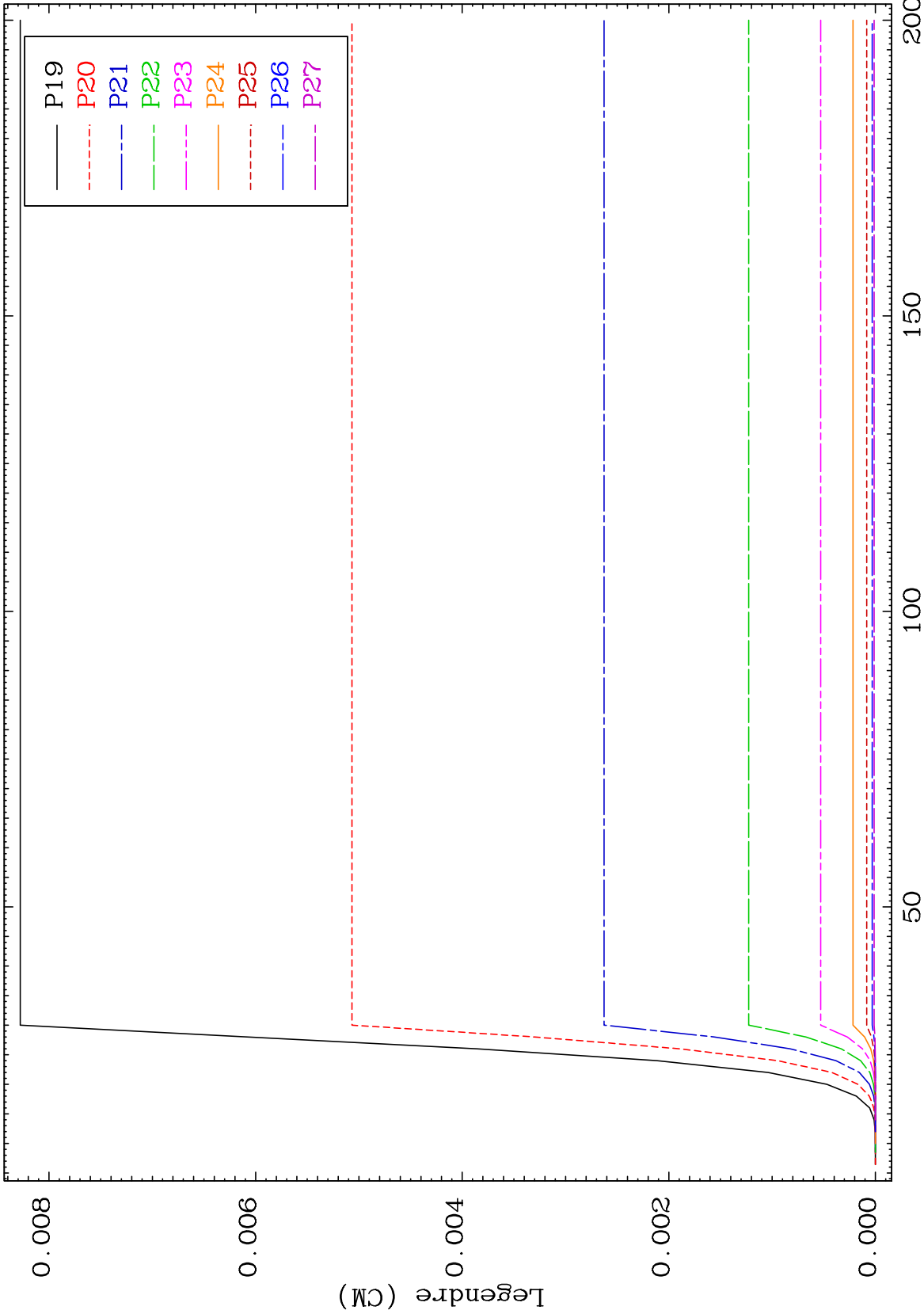
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



26

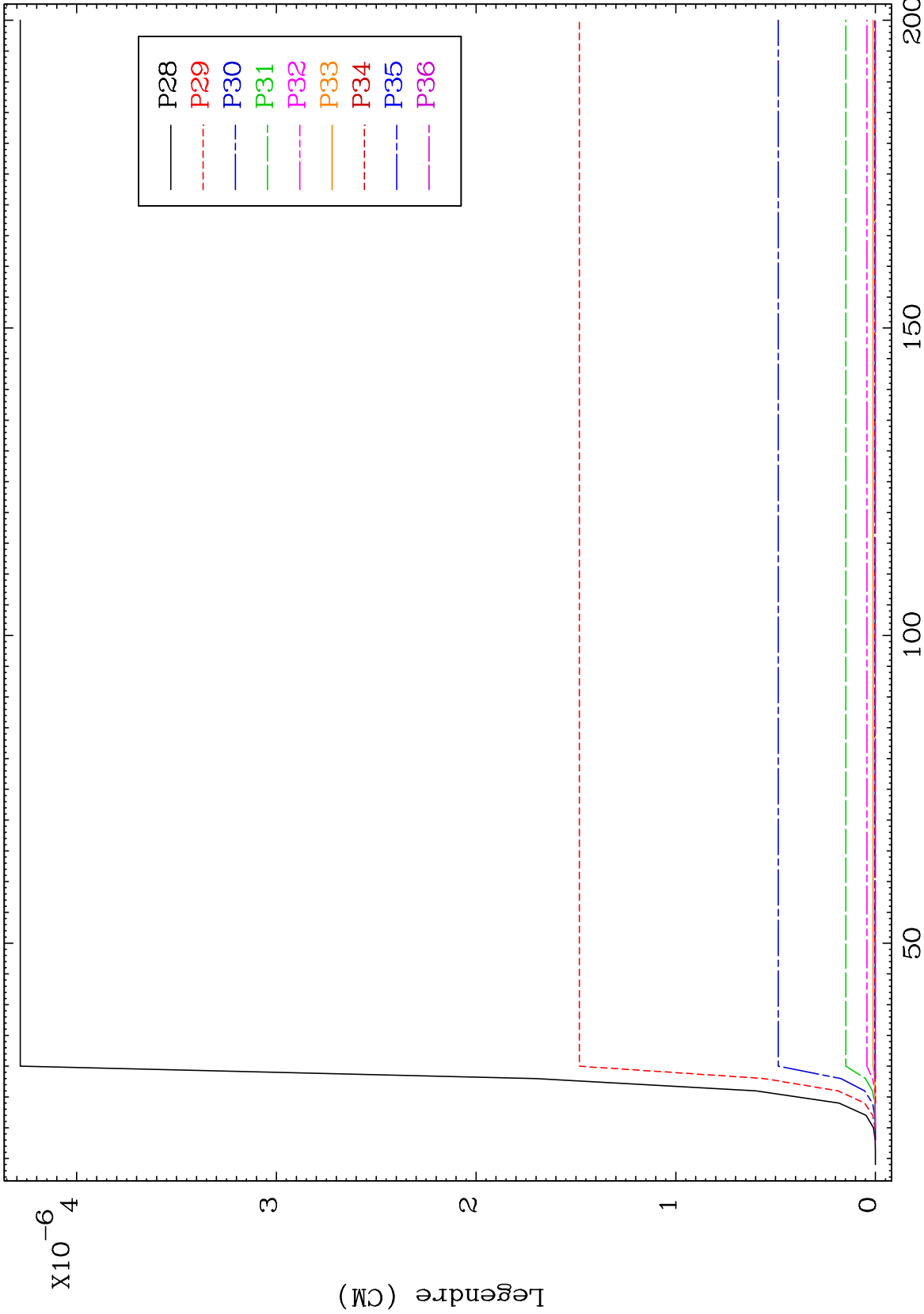
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



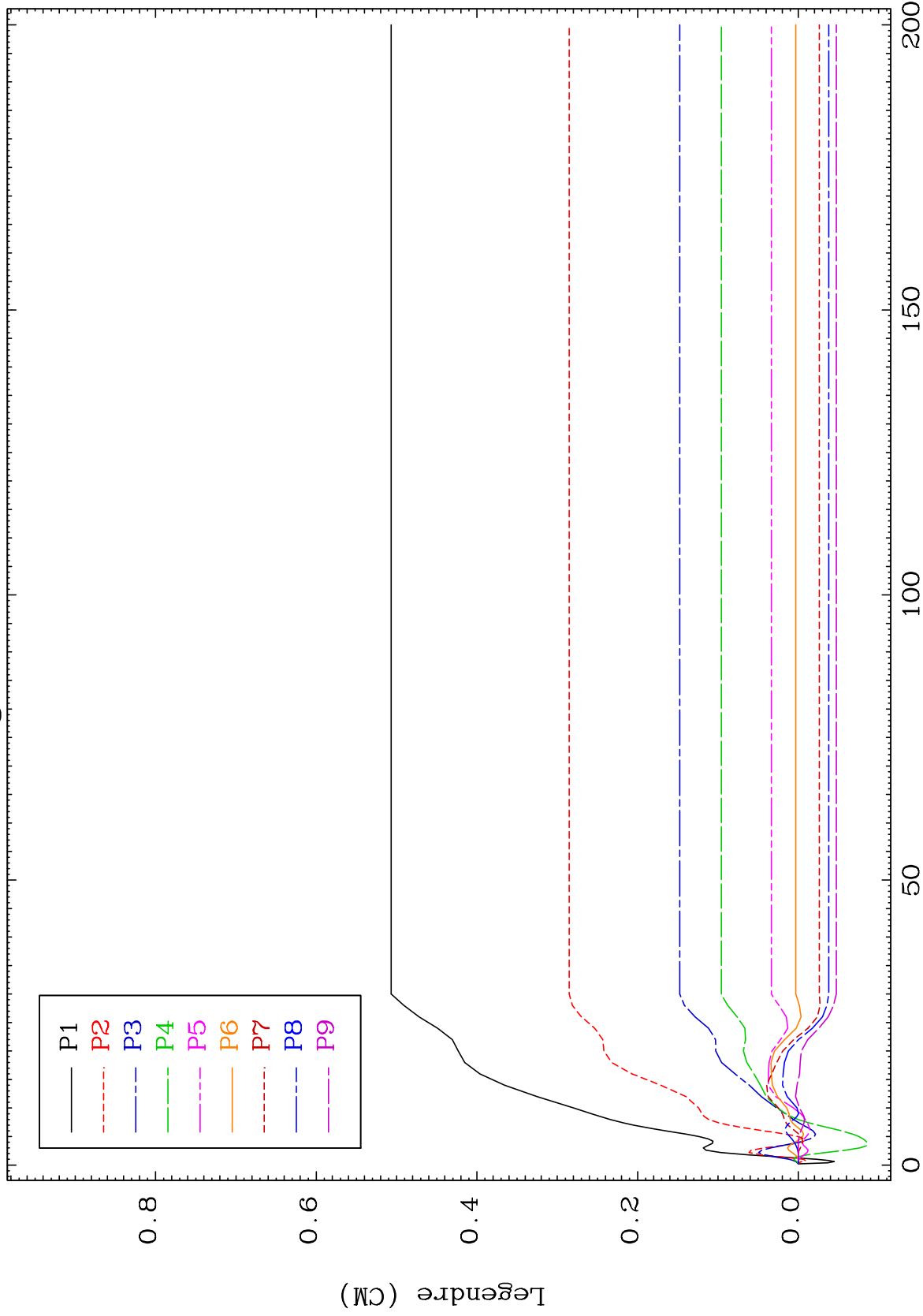
27

56-Ba-123

MAT 5604

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

56-Ba-123



28

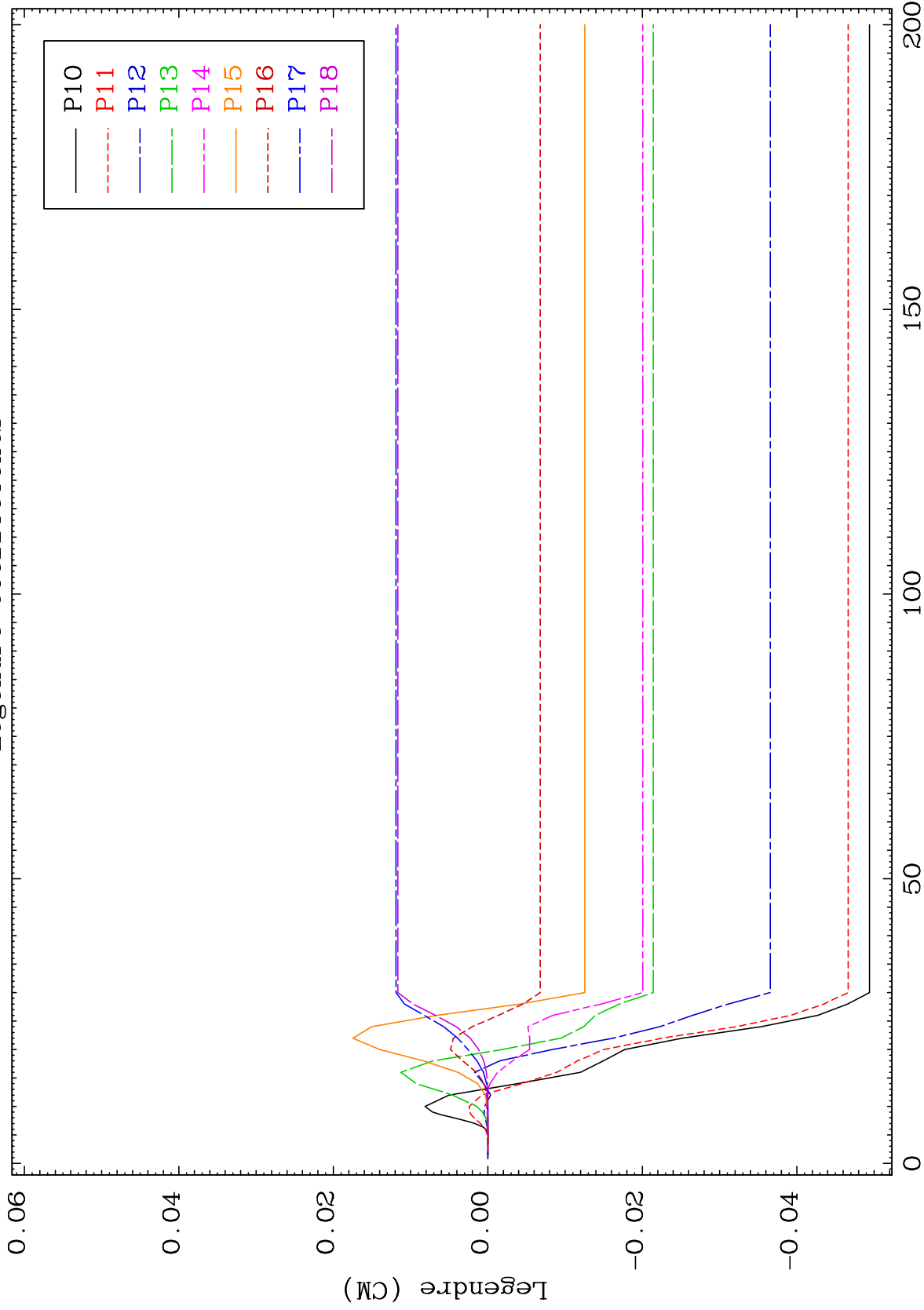
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



29

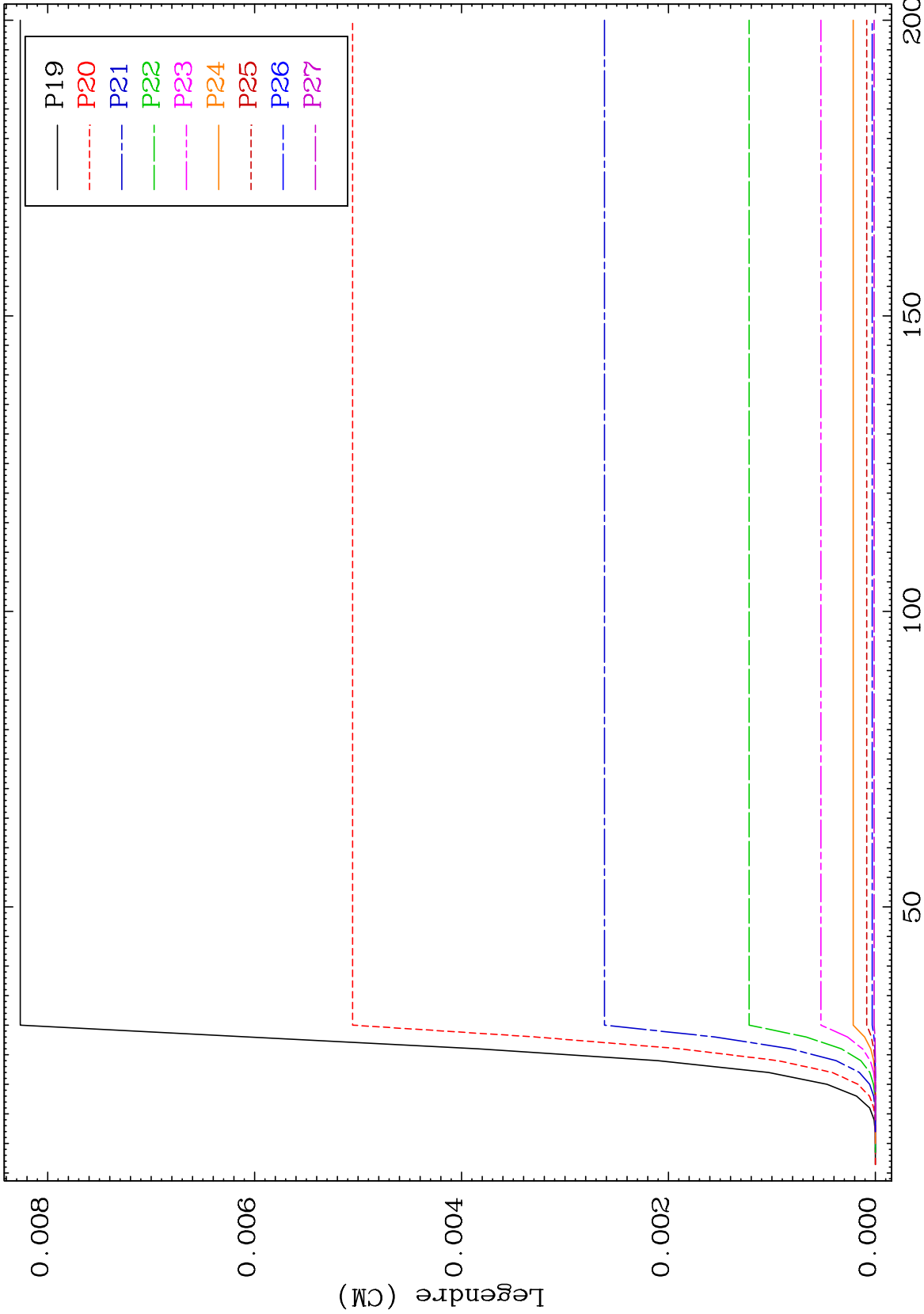
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



30

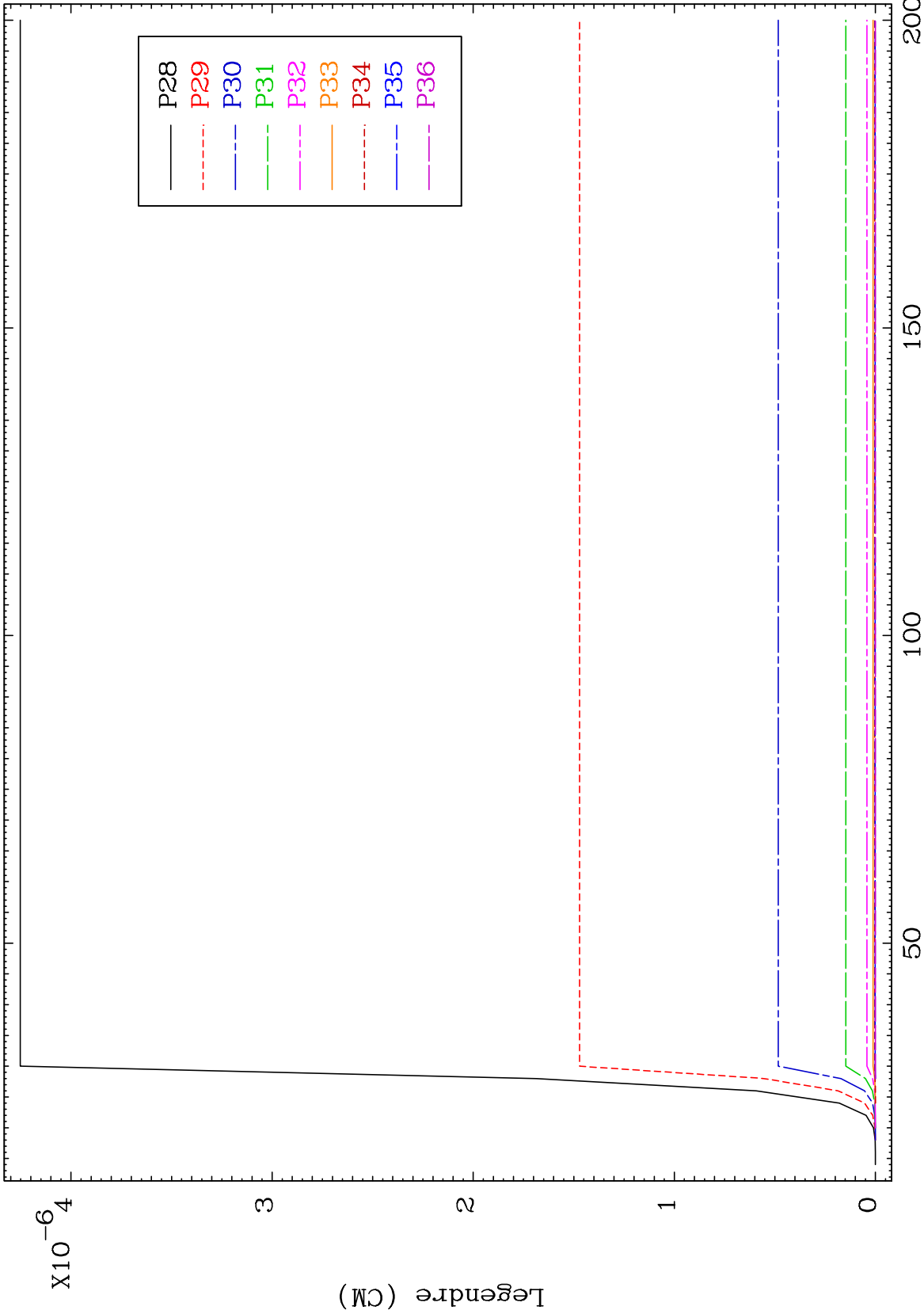
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



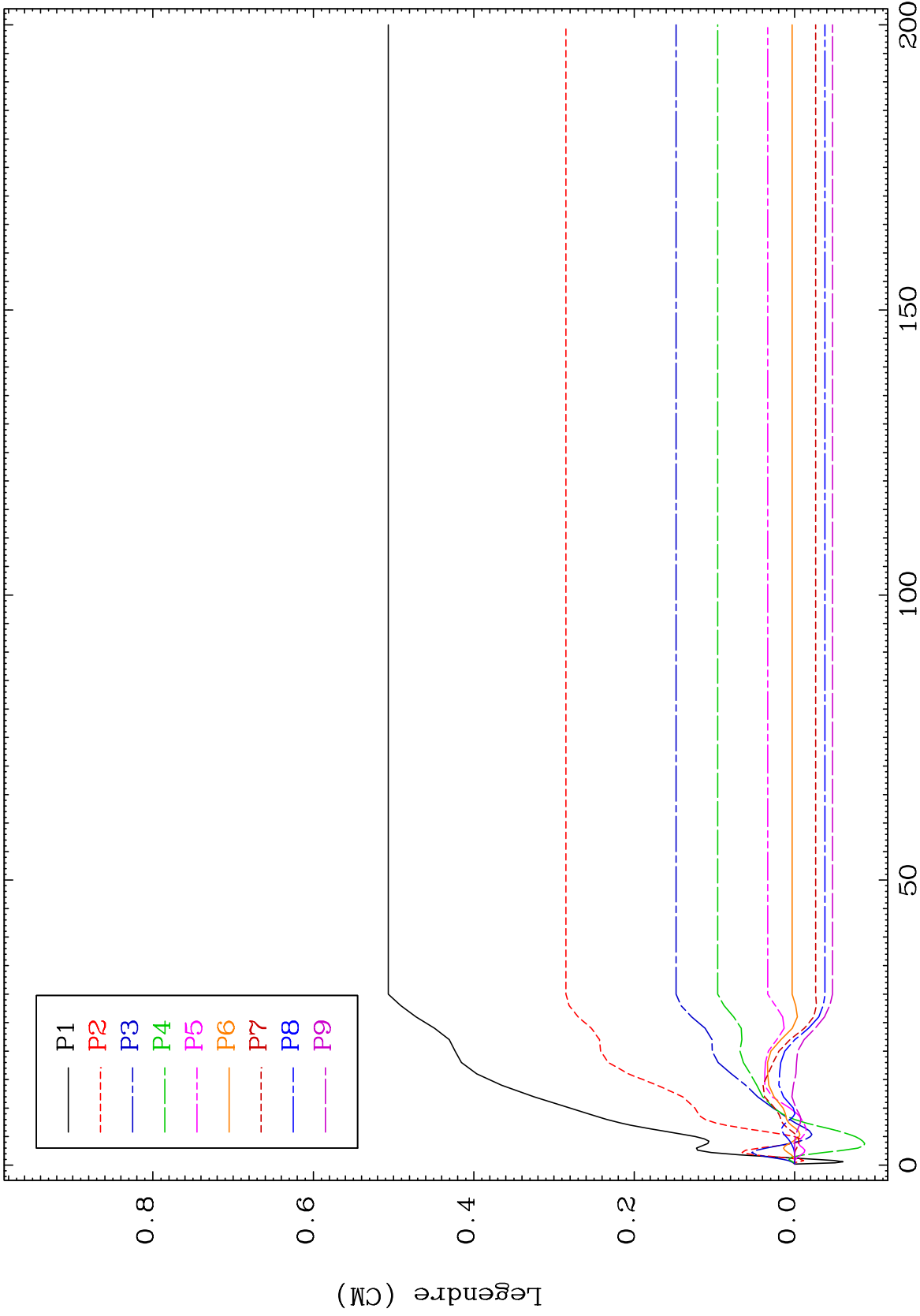
31

56-Ba-123

MAT 5604

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

56-Ba-123



32

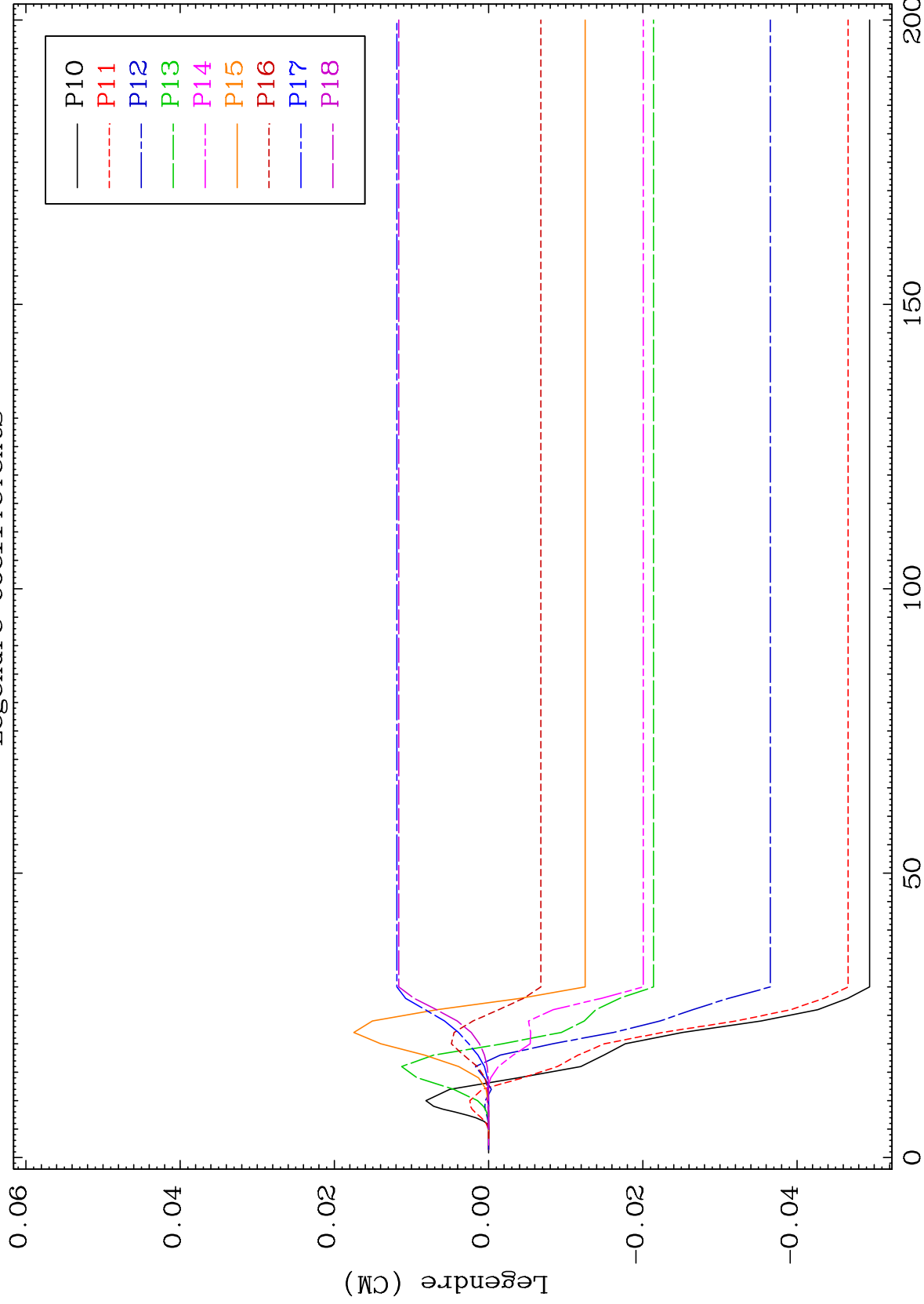
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



33

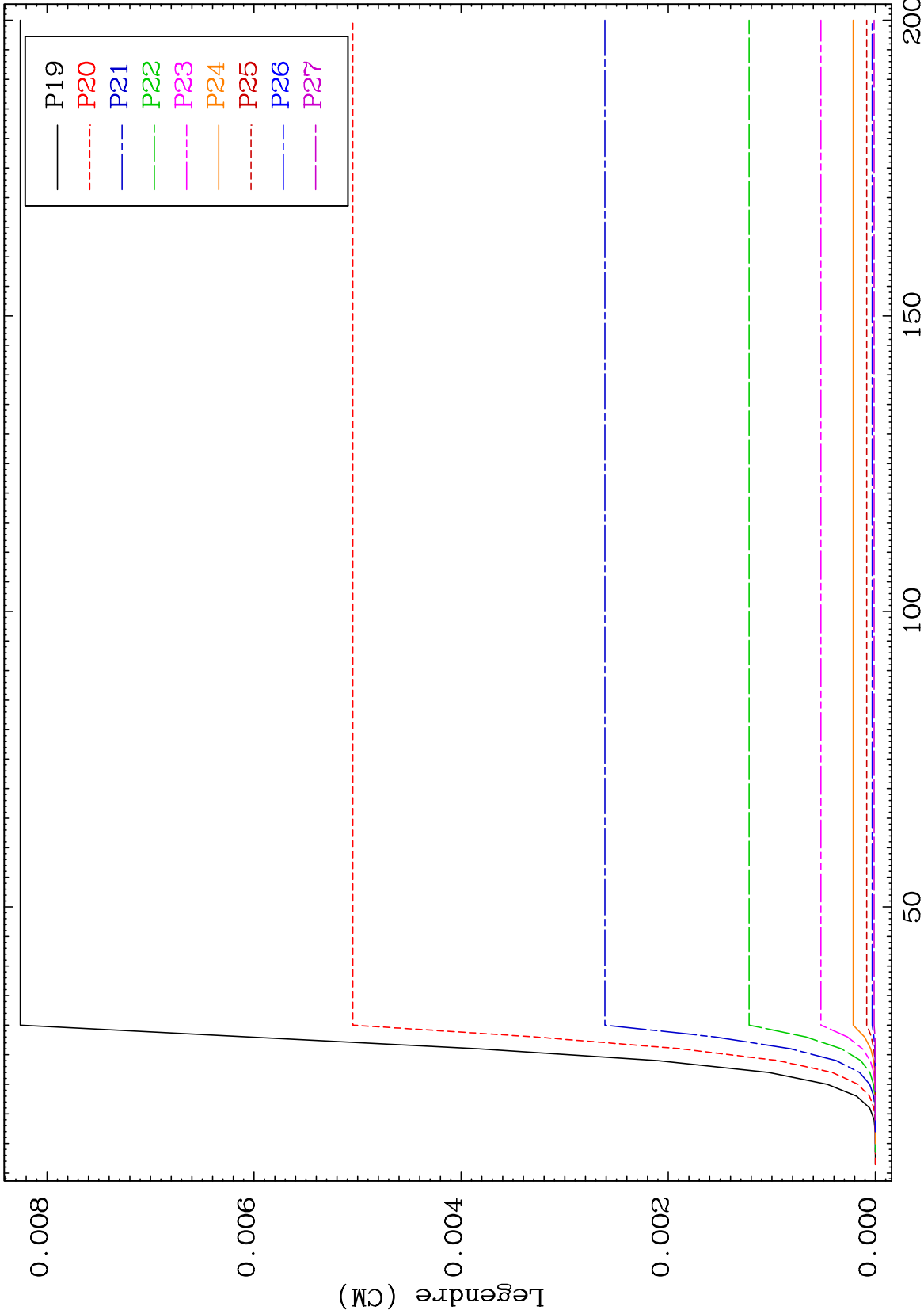
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



34

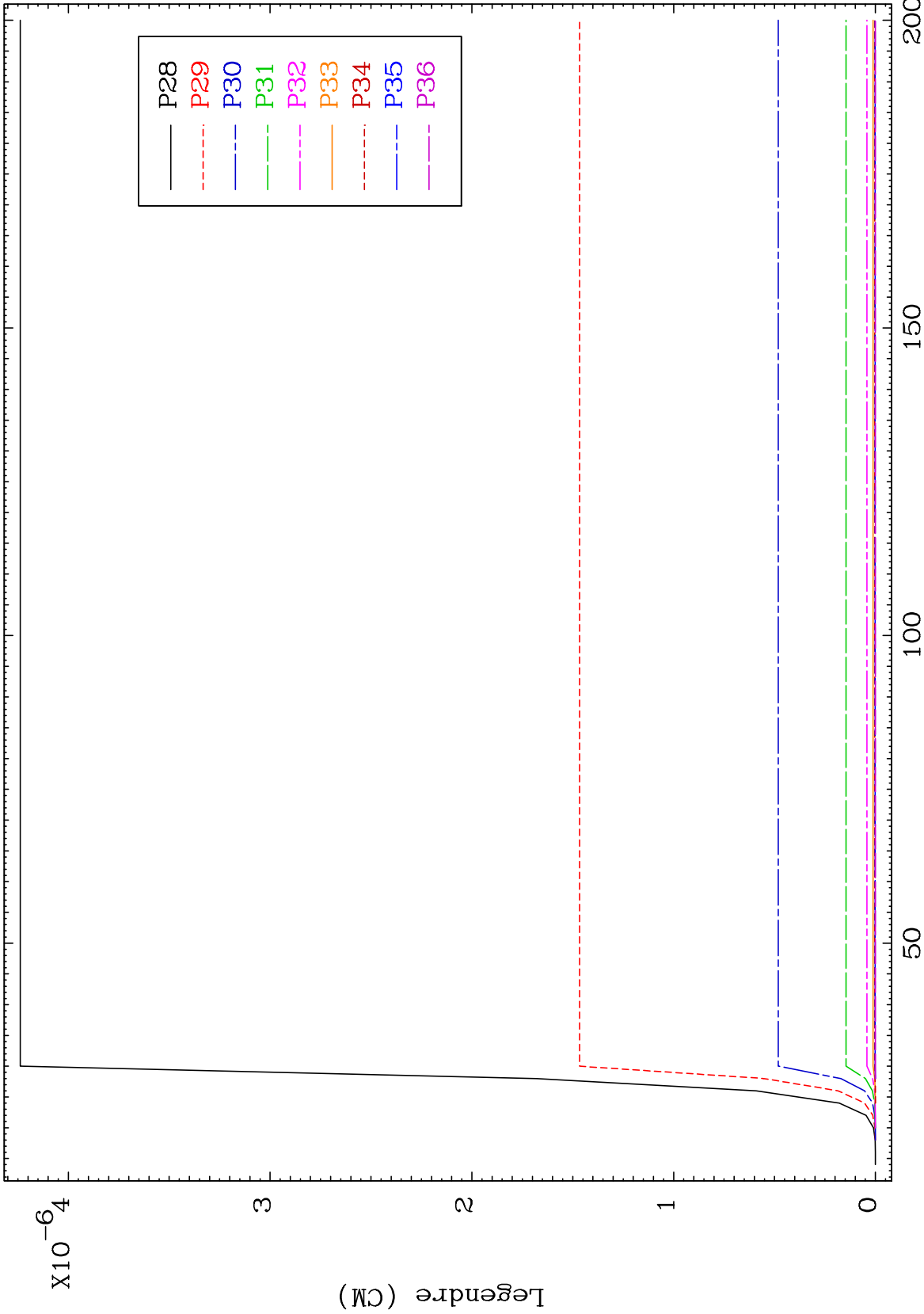
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



35

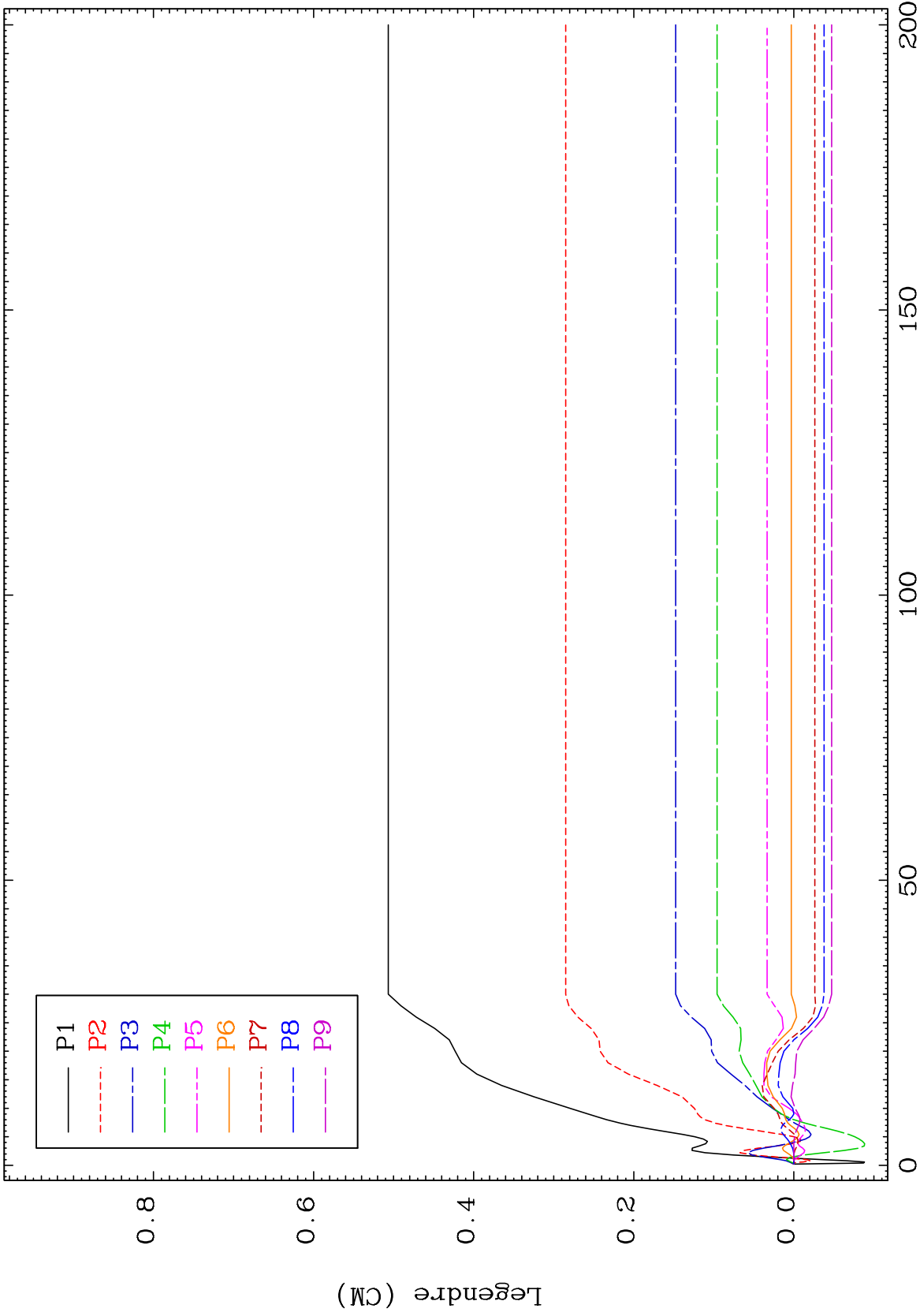
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



36

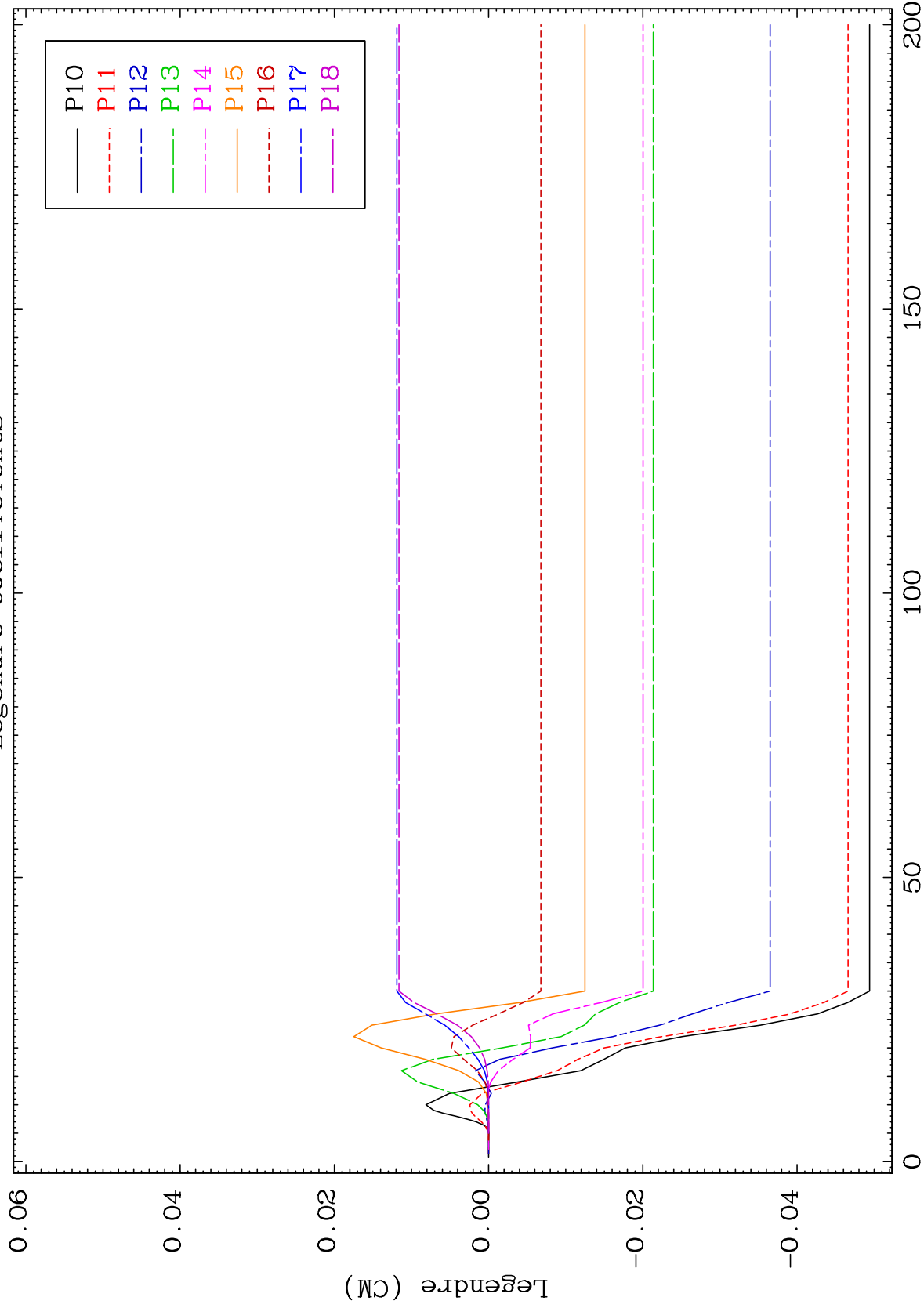
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



37

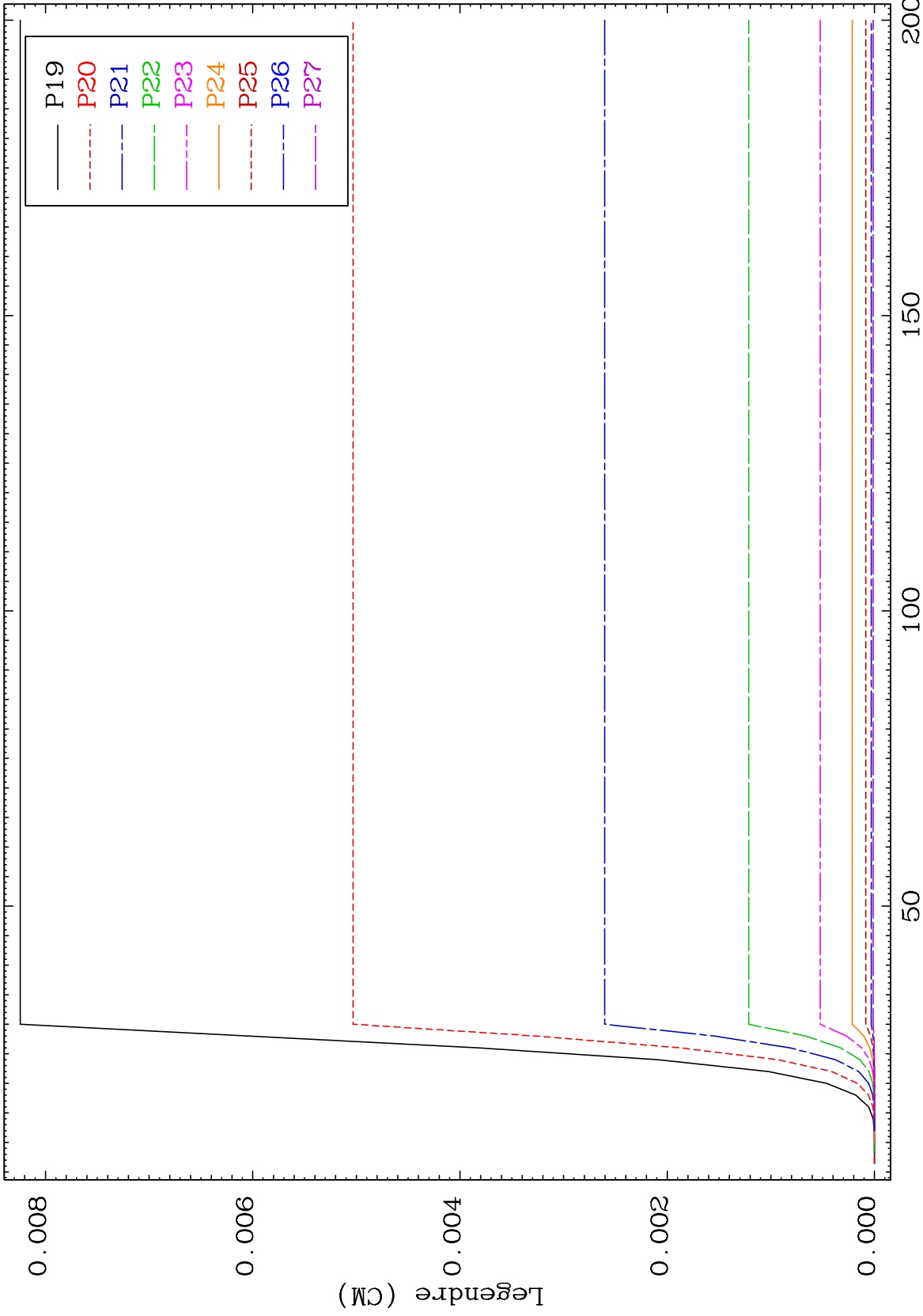
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



38

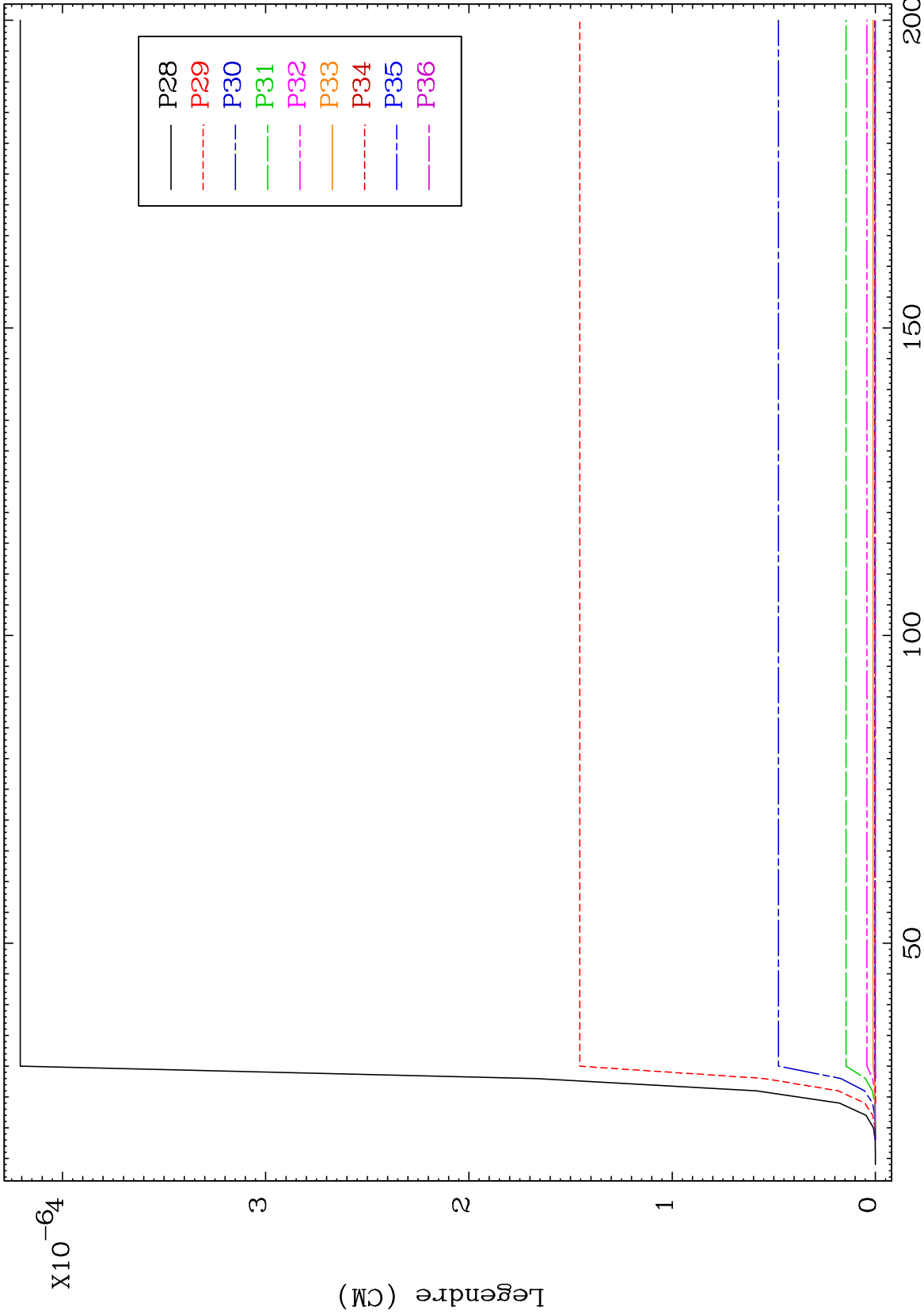
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



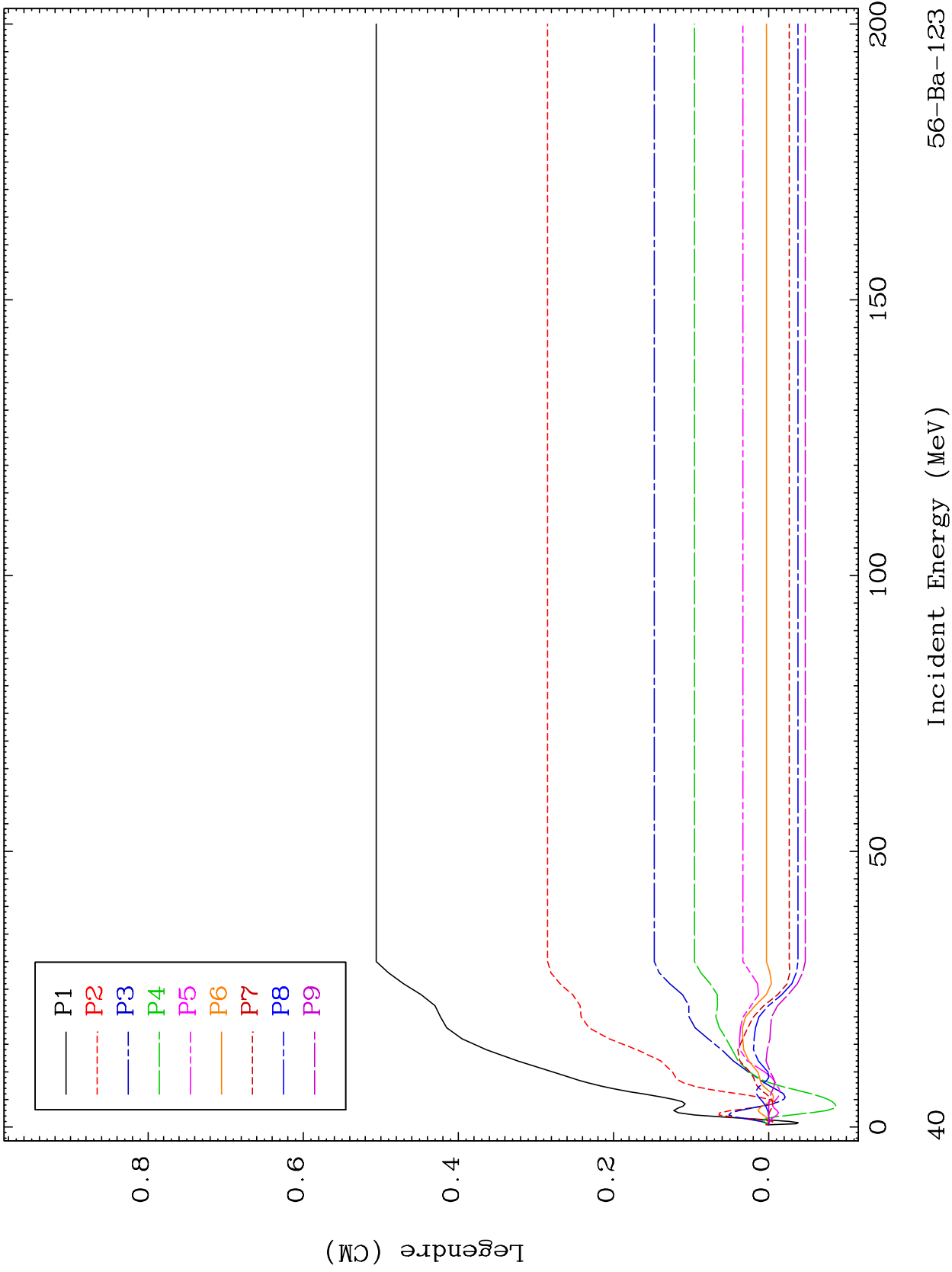
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56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

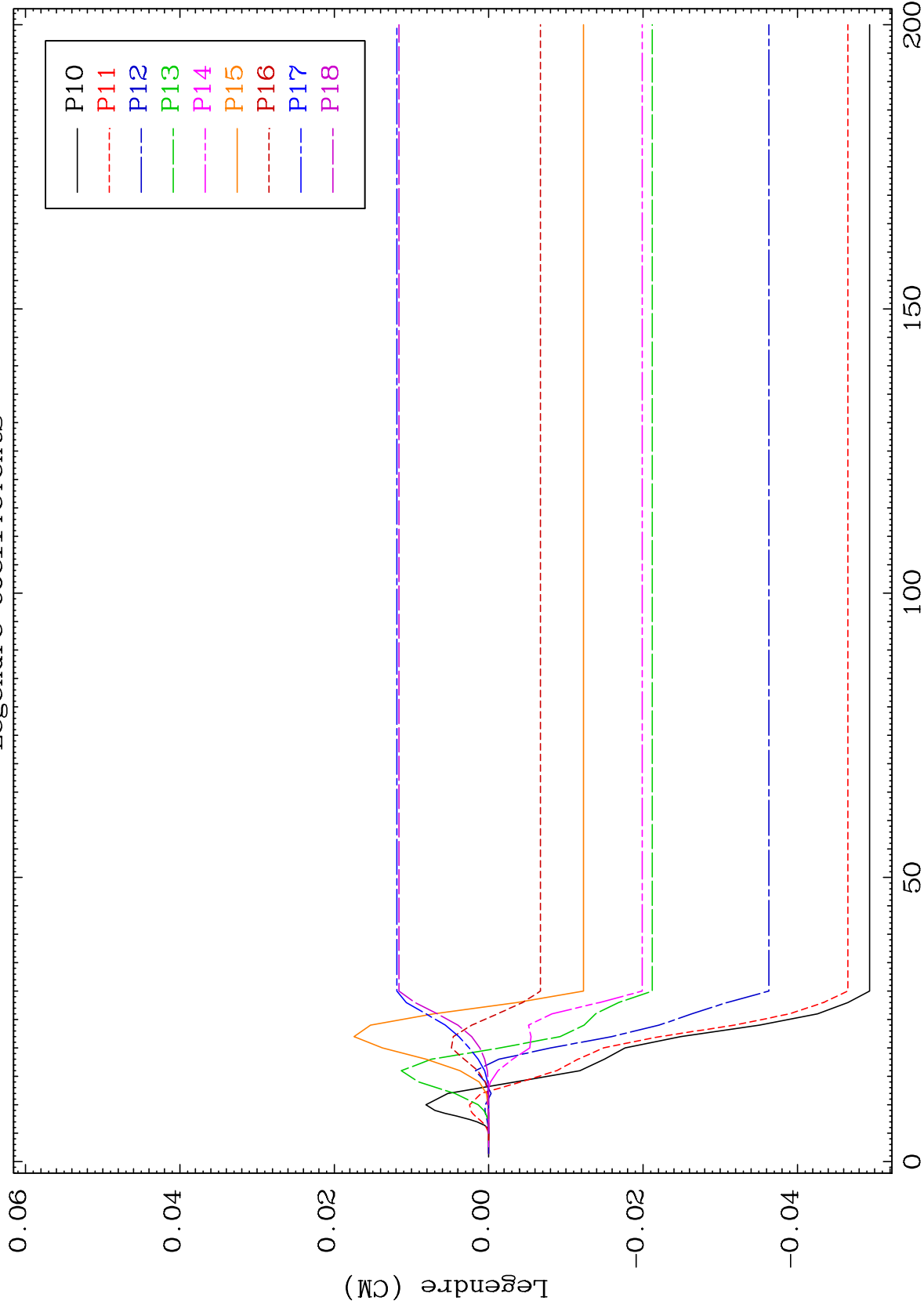
Incident Energy (MeV)

40

MAT 5604

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

56-Ba-123



41

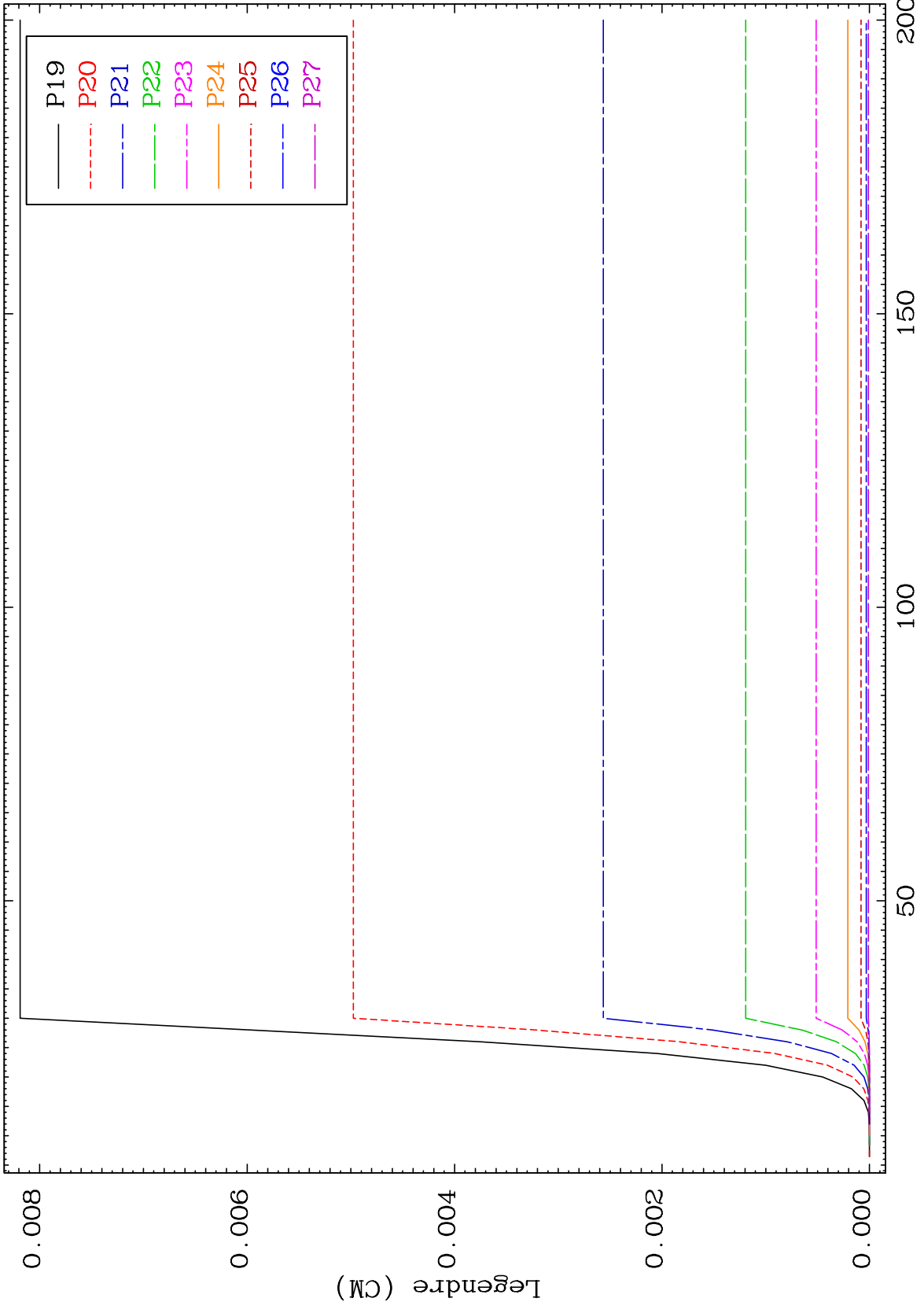
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



42

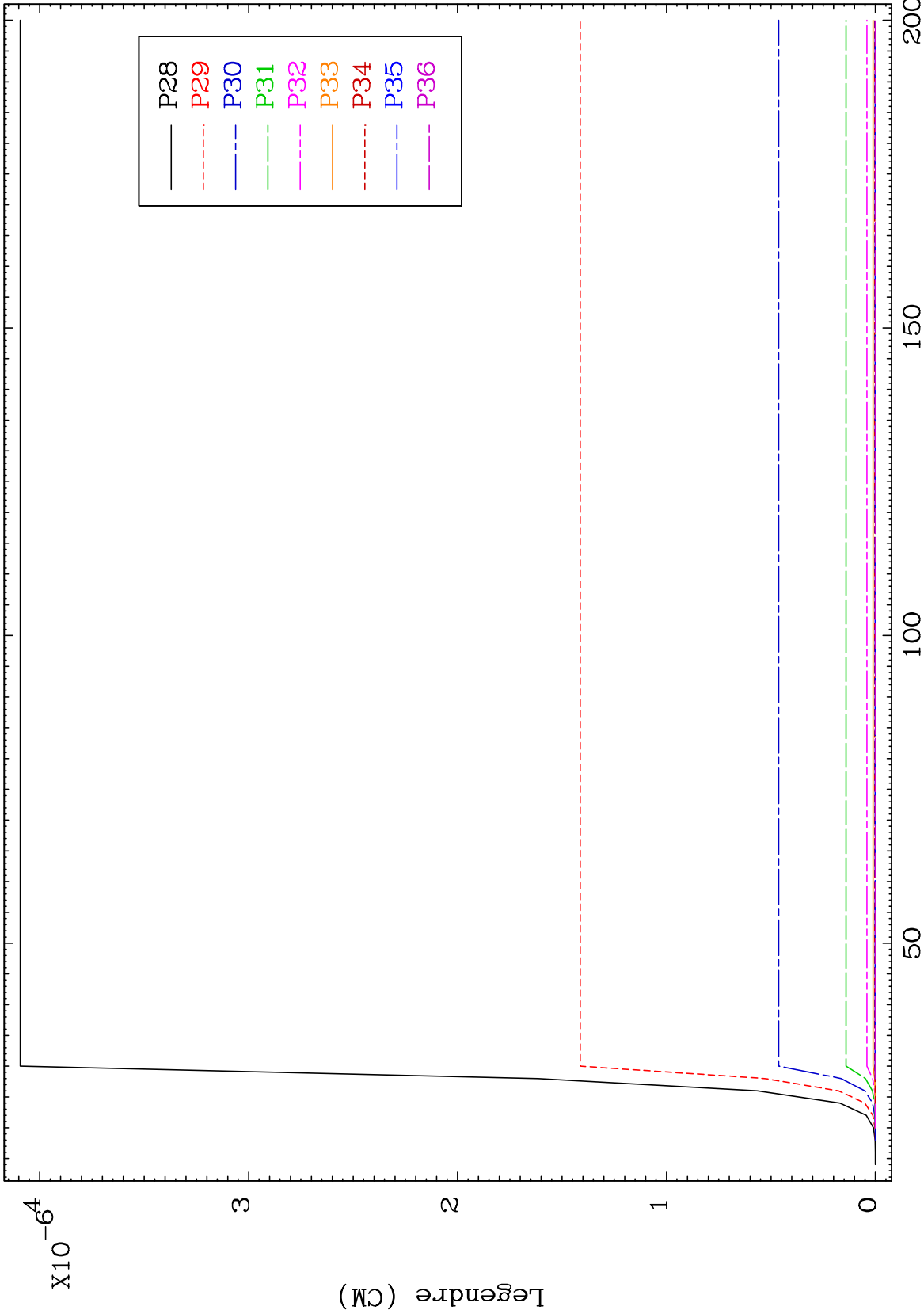
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



43

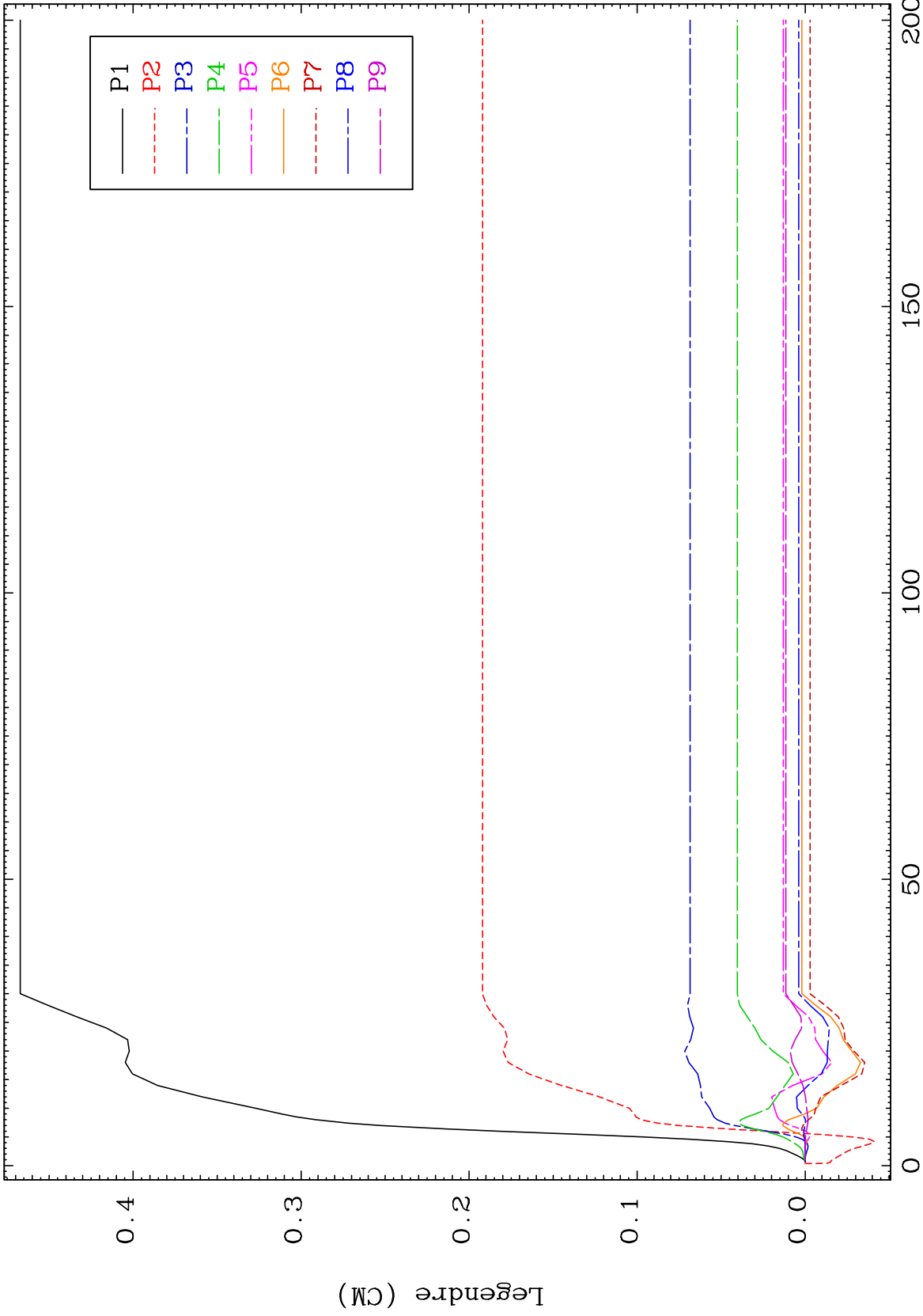
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



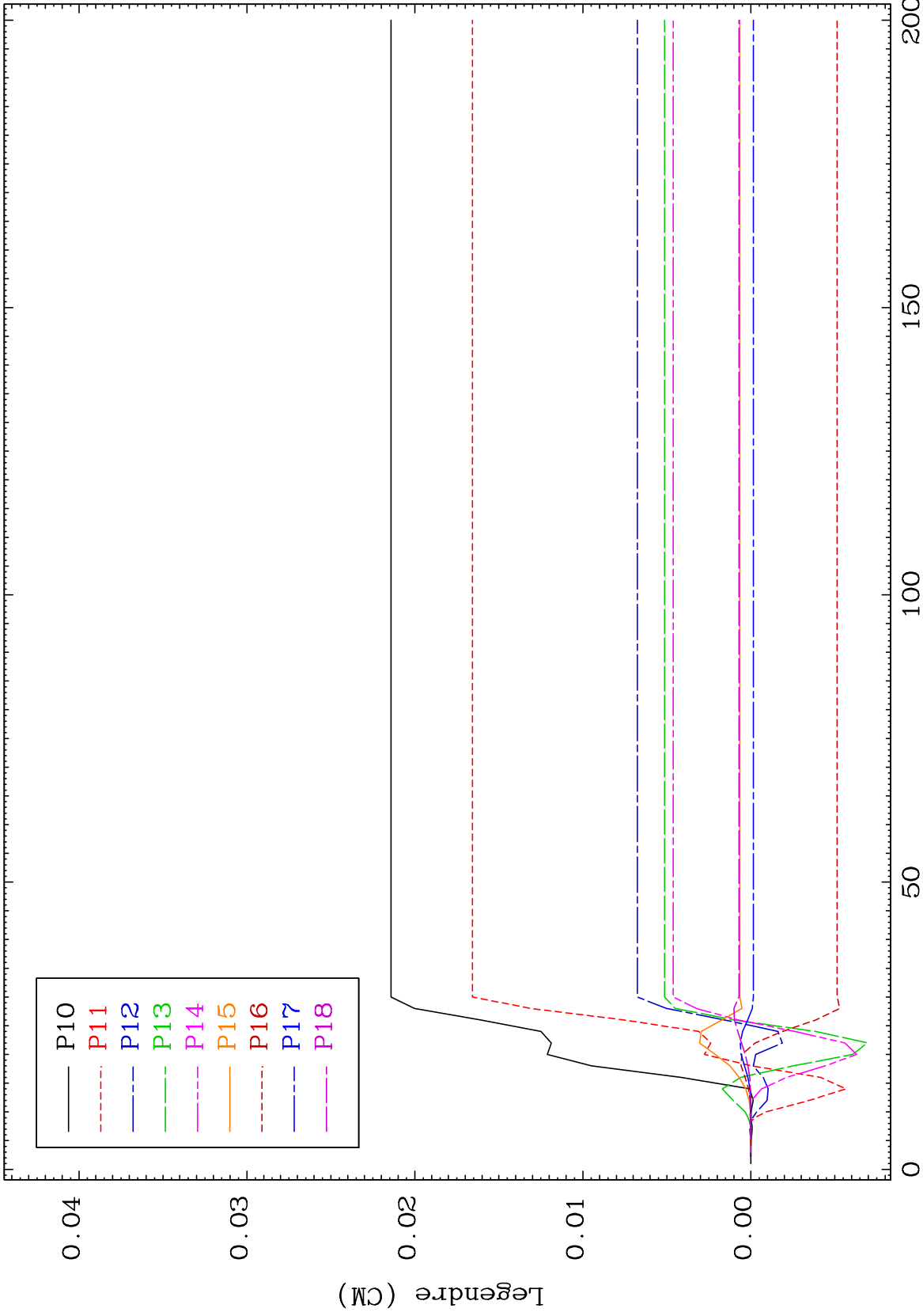
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56-Ba-123

MAT 5604

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

56-Ba-123



45

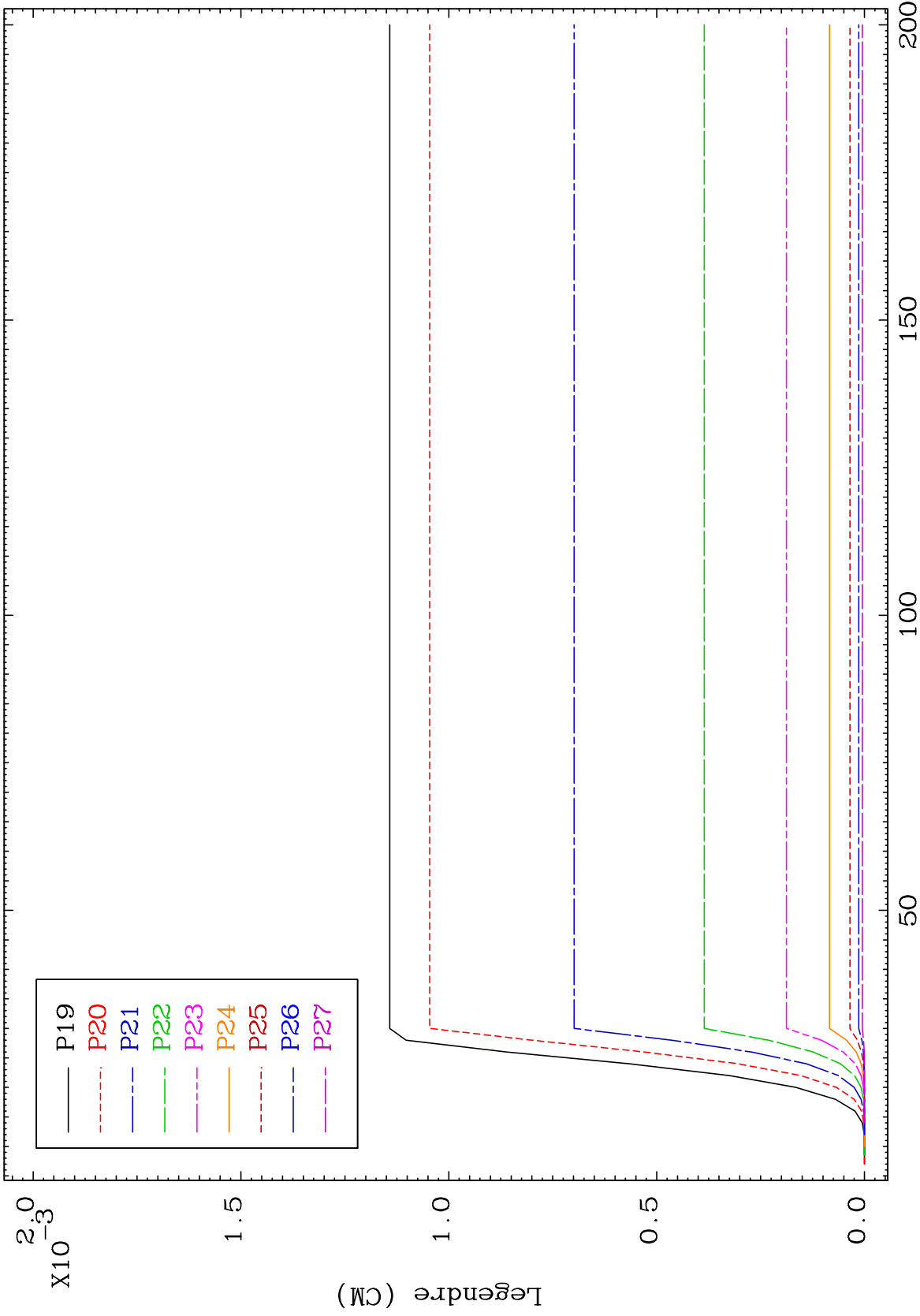
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



46

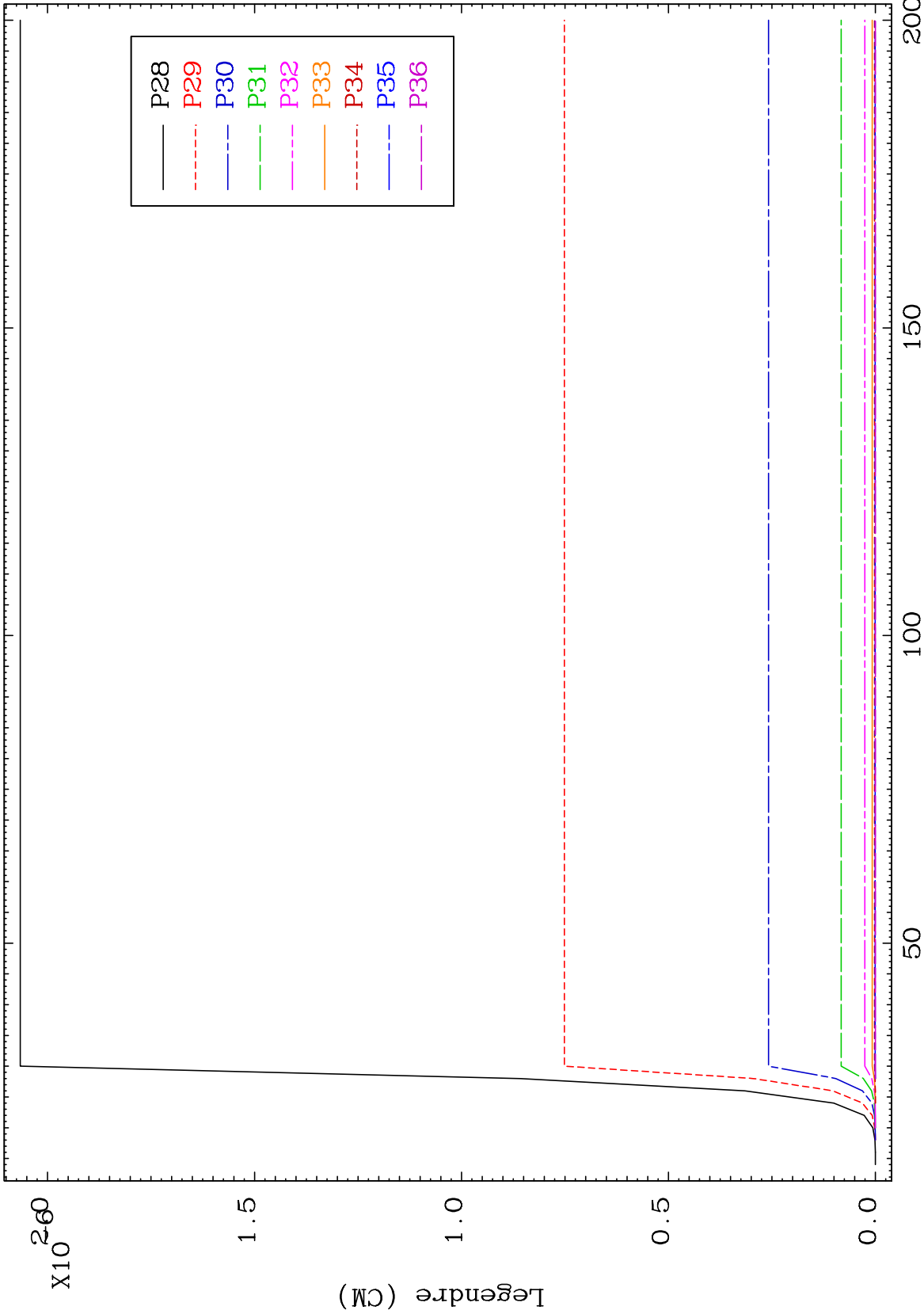
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



47

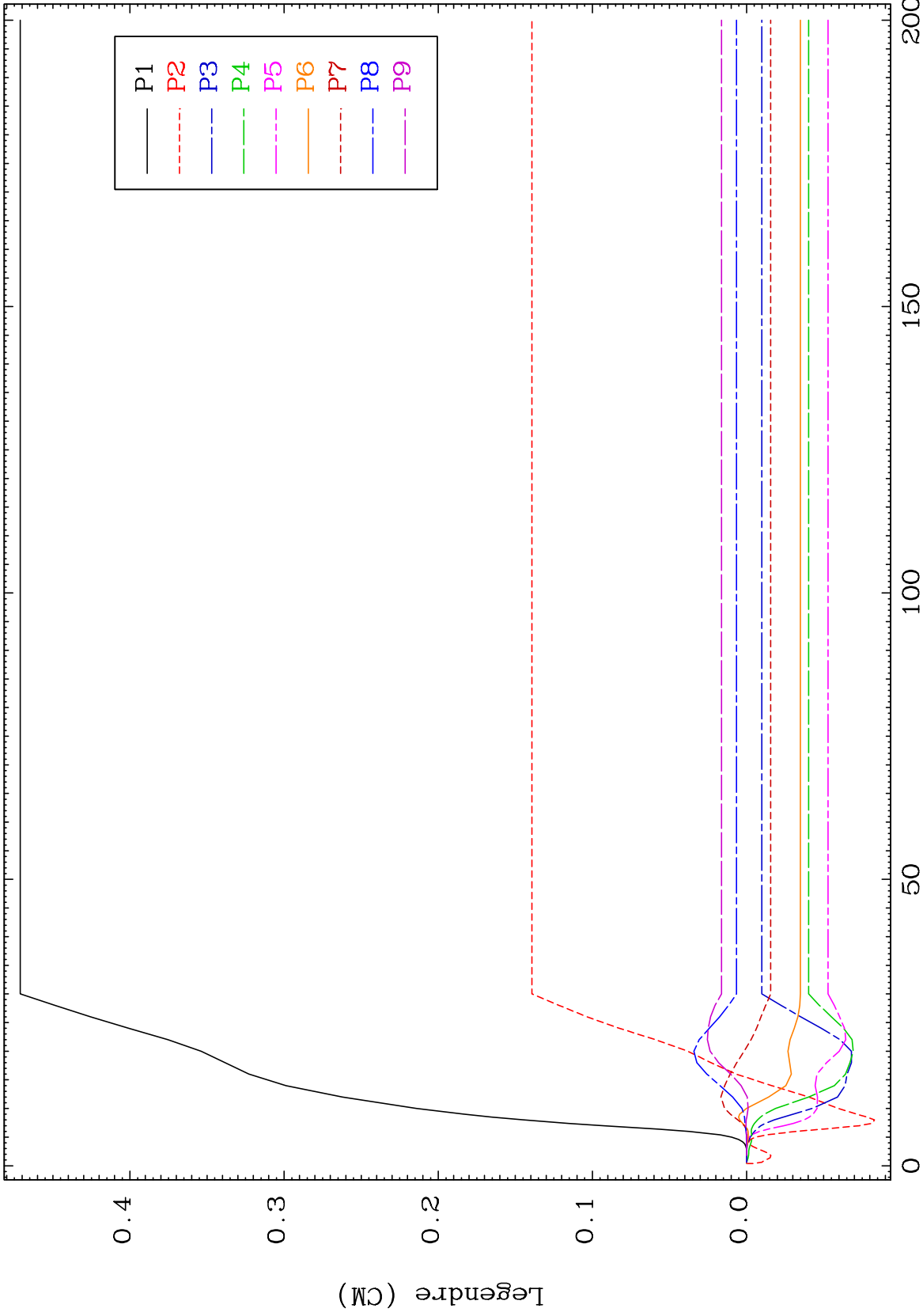
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



48

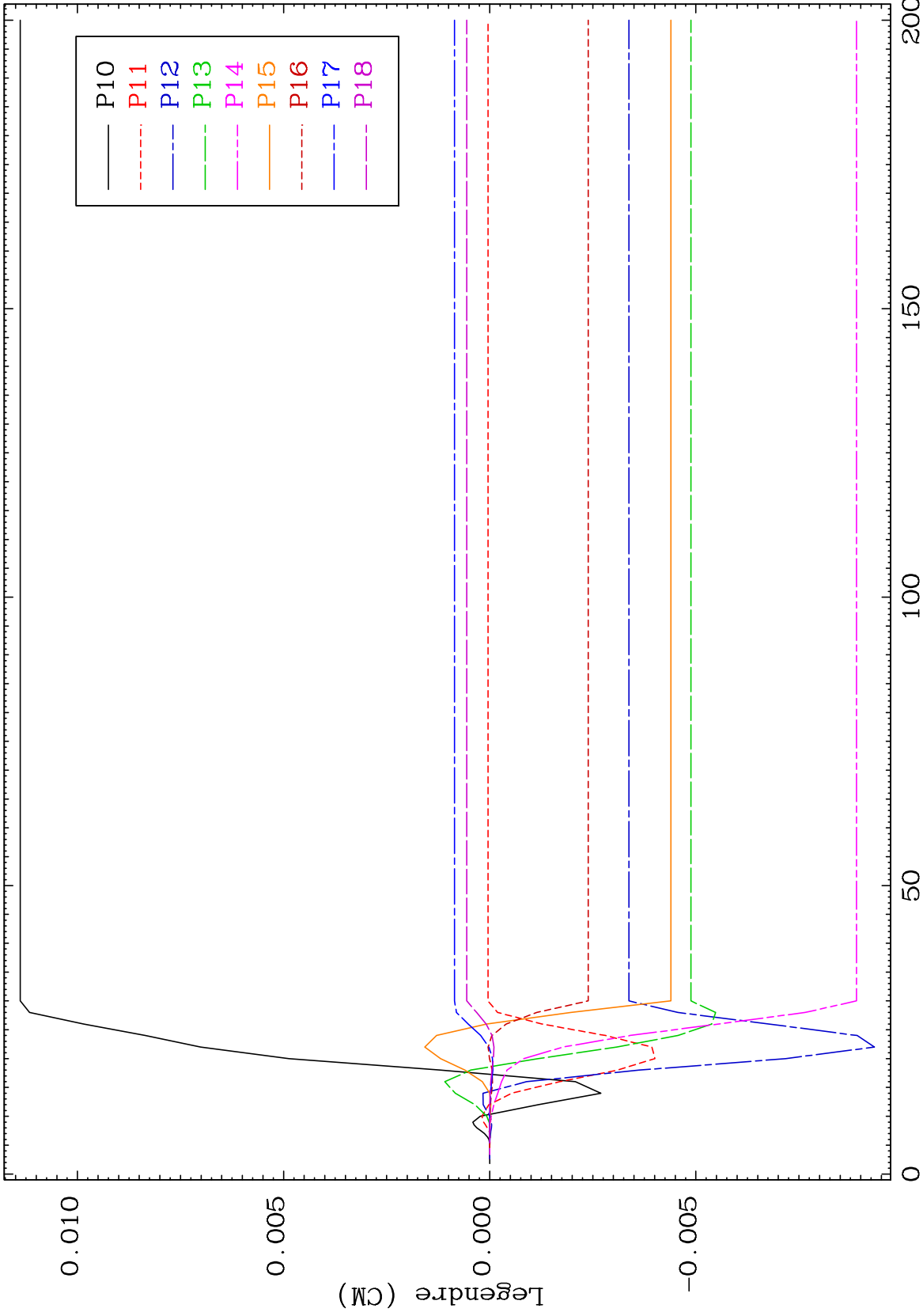
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



49

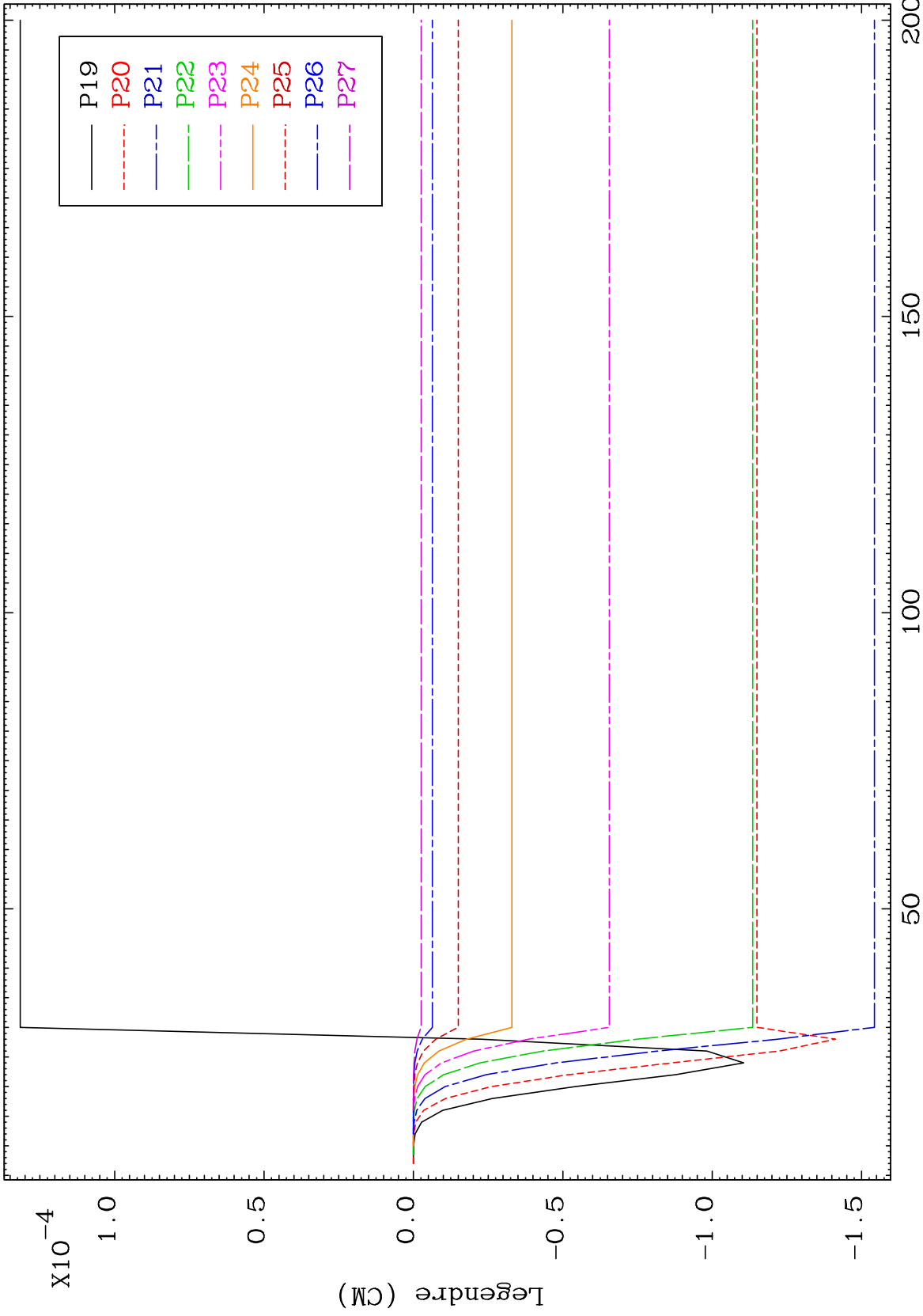
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



50

Incident Energy (MeV)

50

100

150

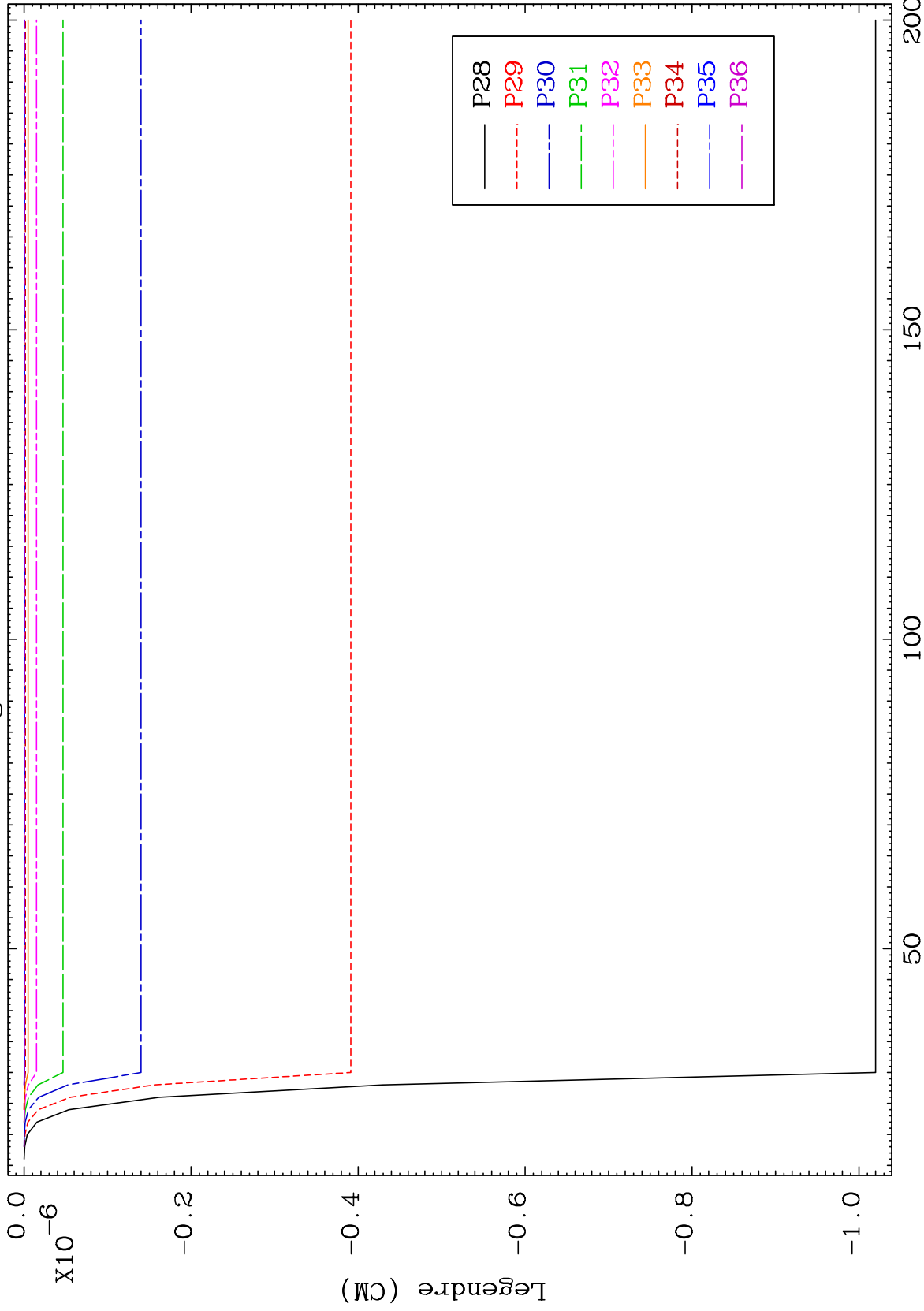
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56-Ba-123

MAT 5604

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

56-Ba-123



51

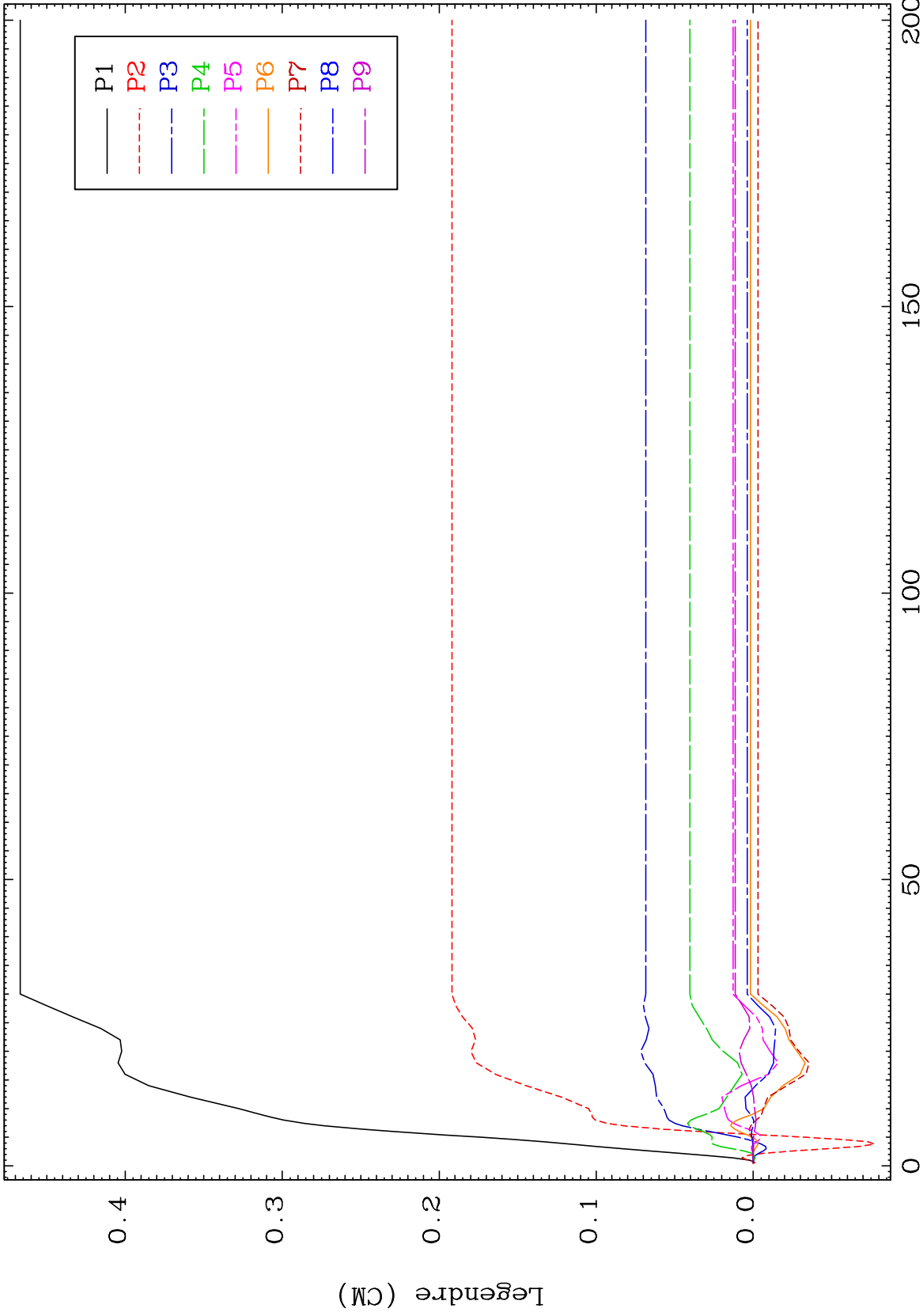
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



52

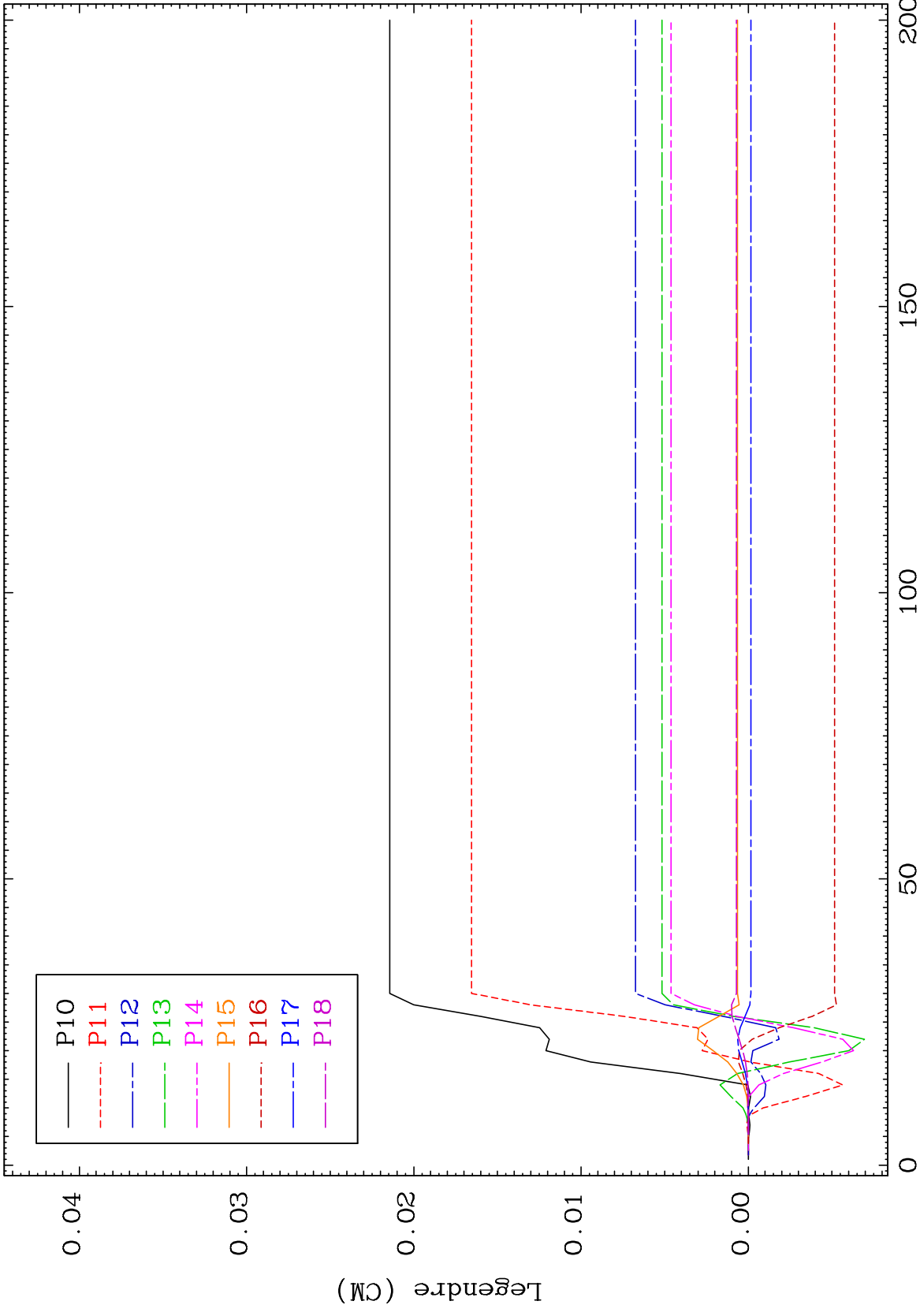
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



53

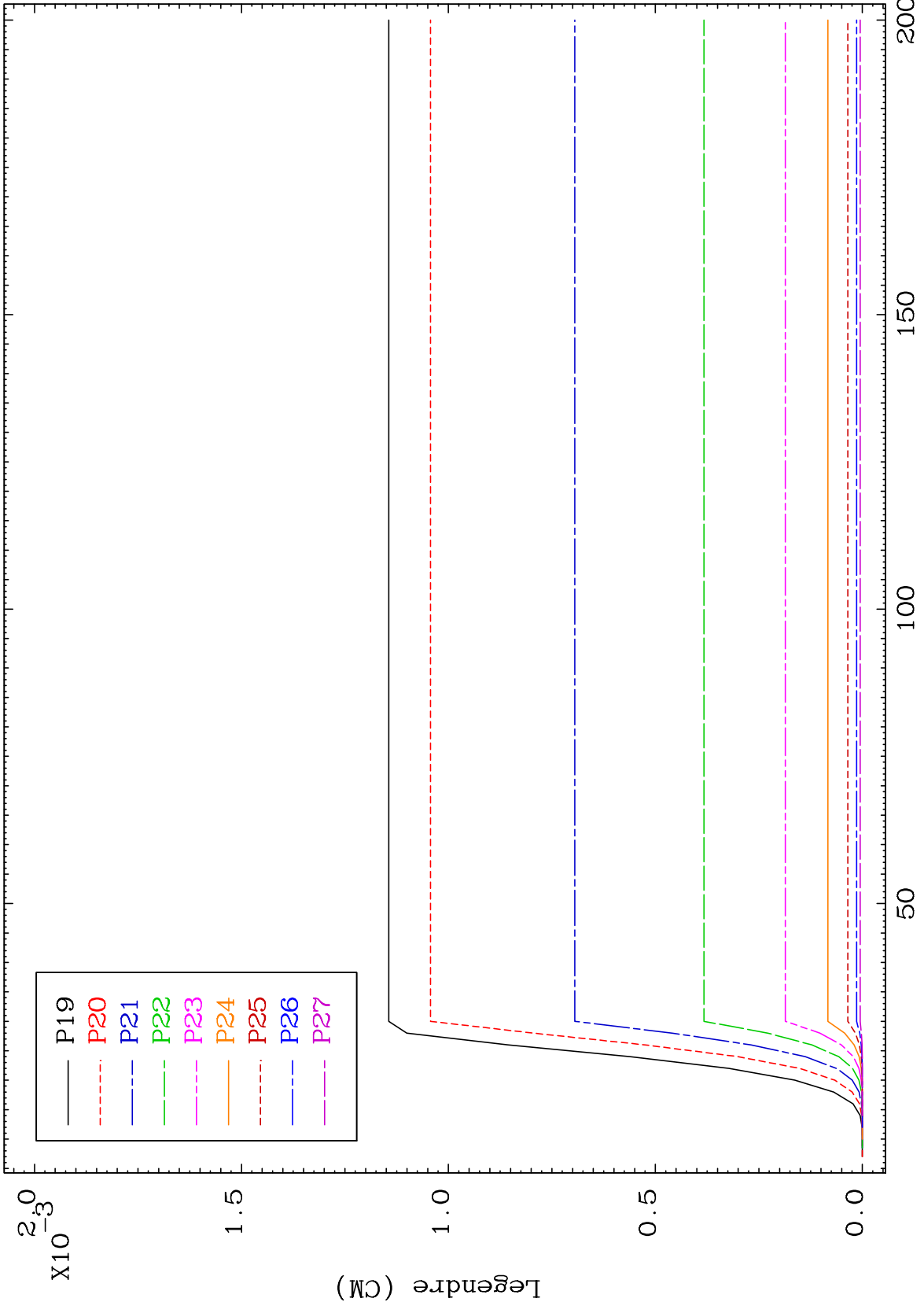
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



54

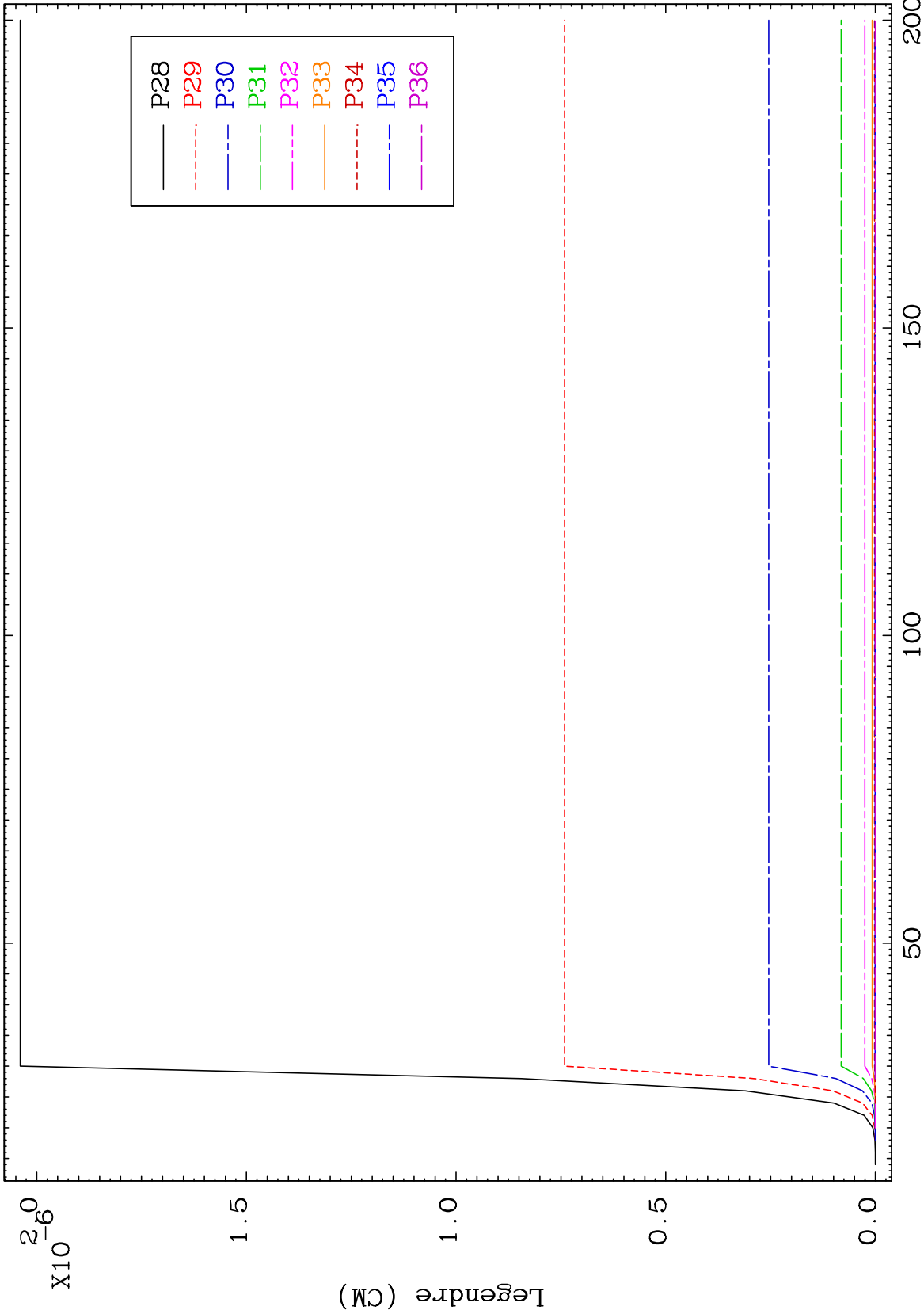
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



55

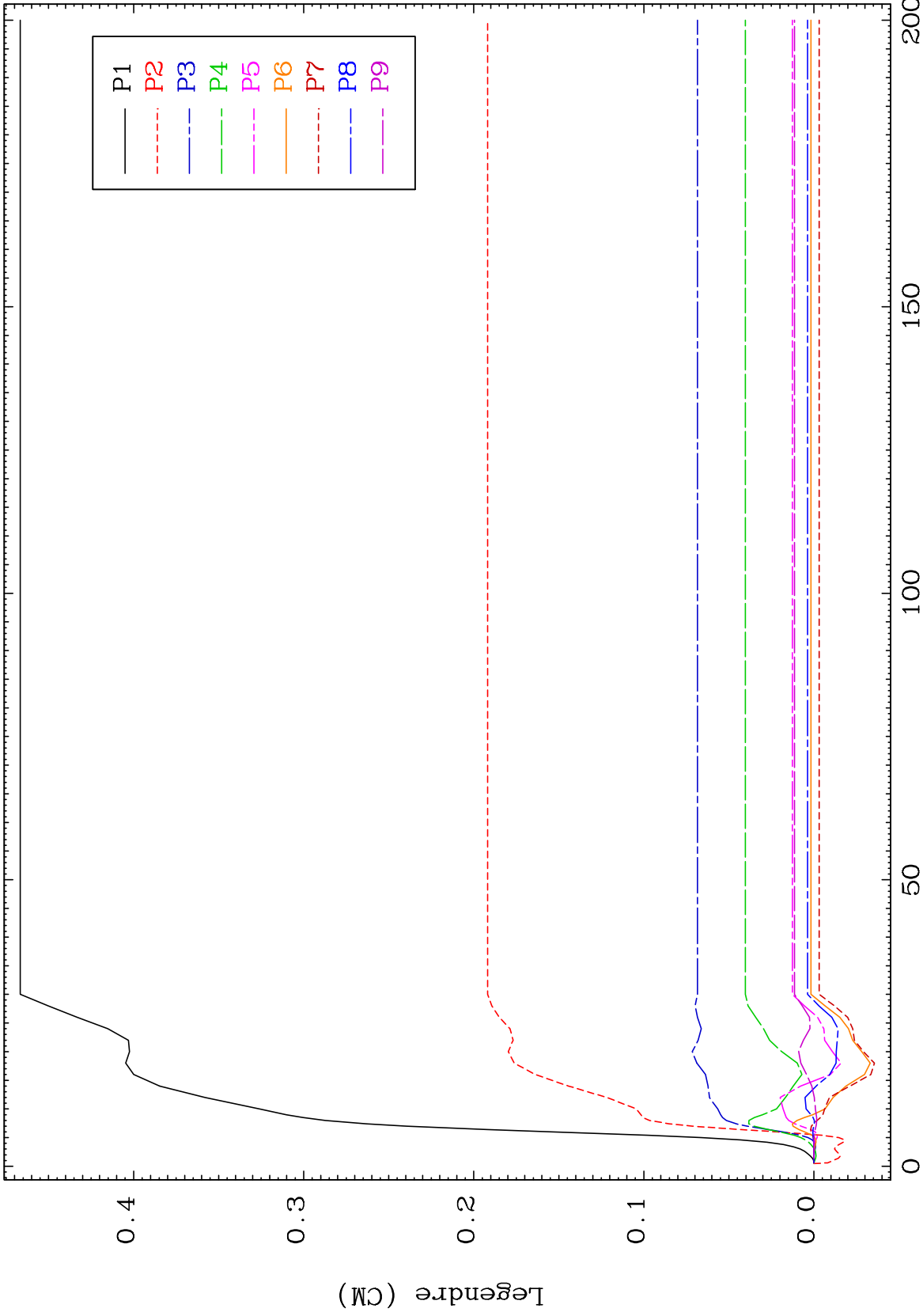
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



56

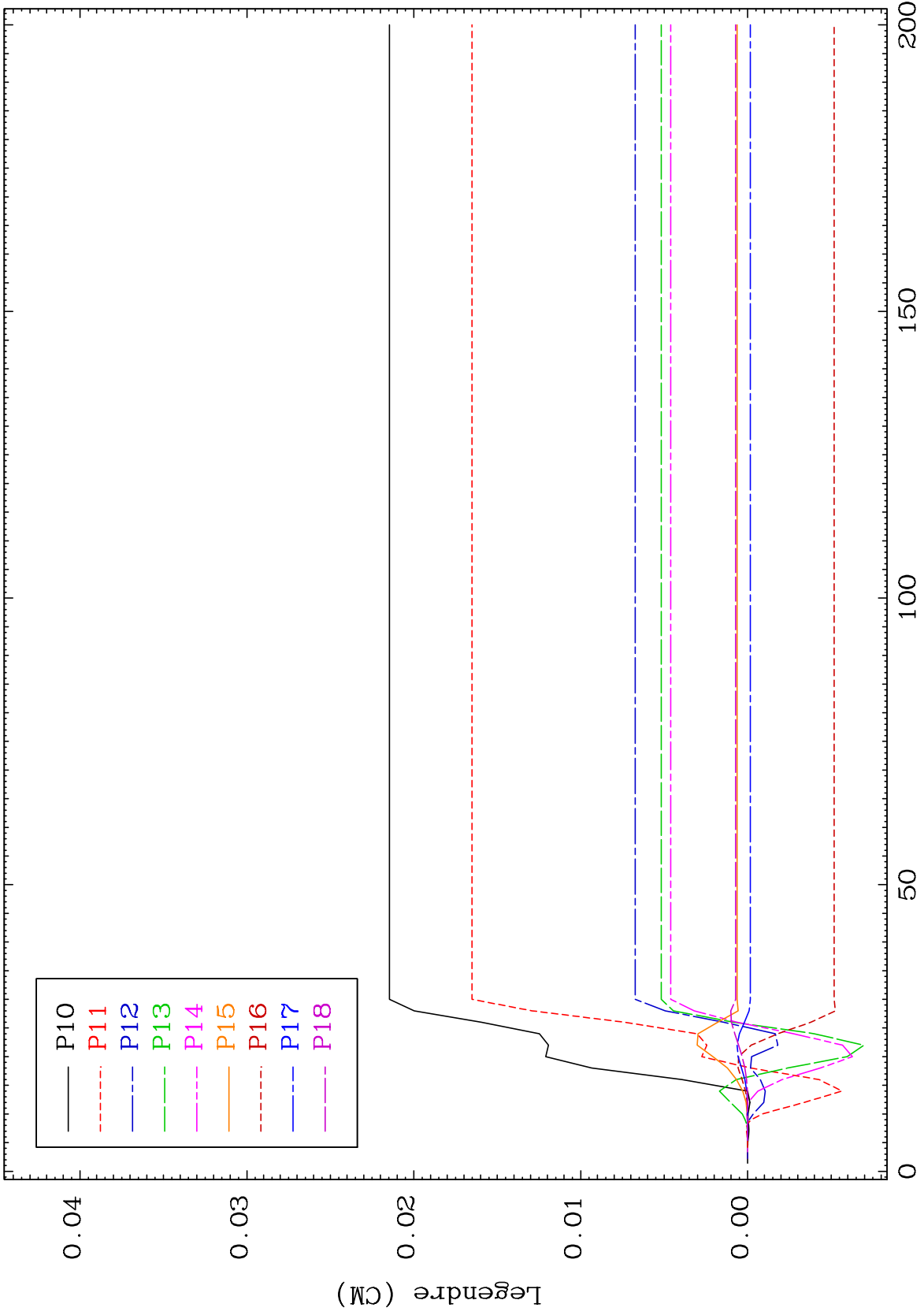
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



57

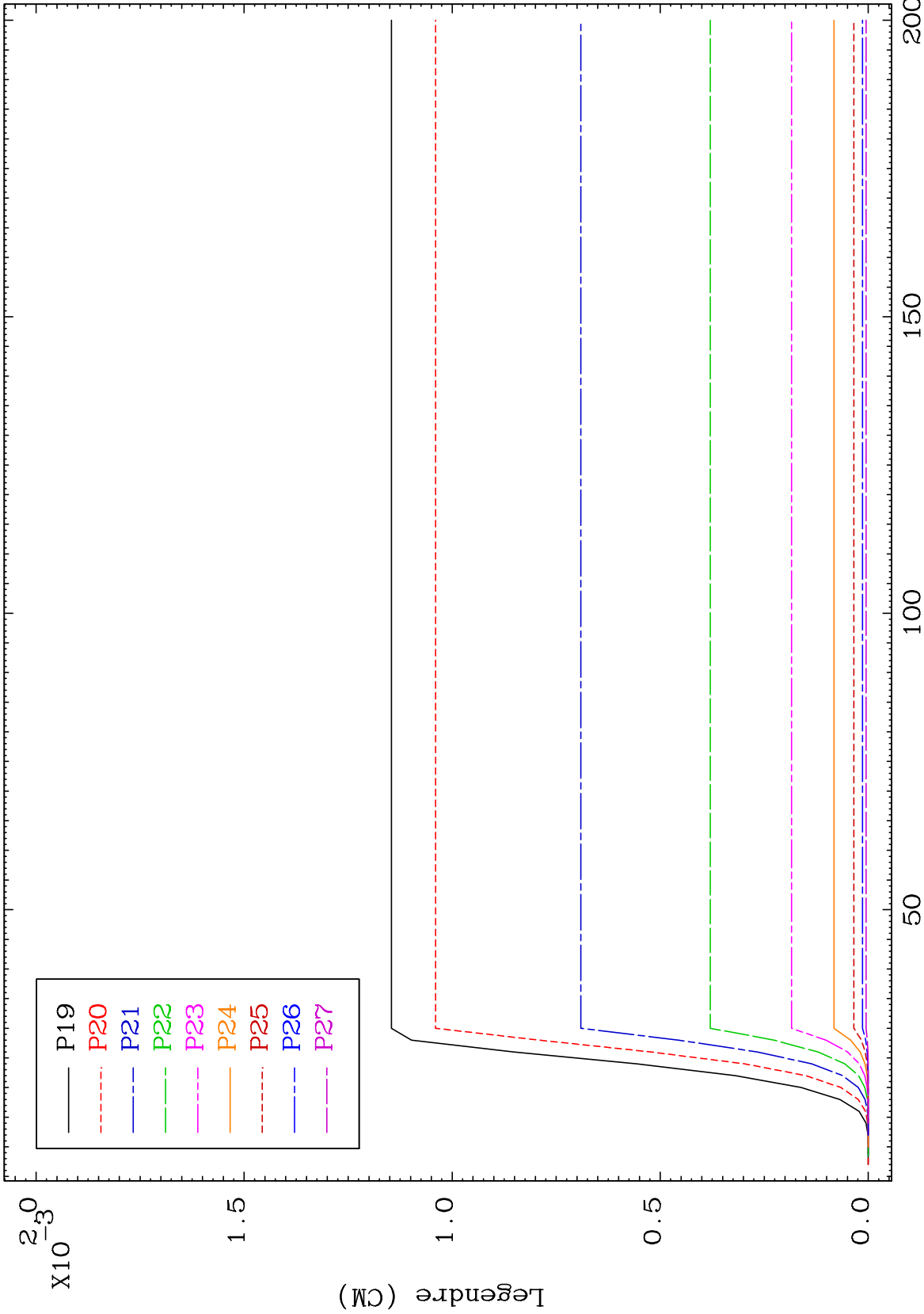
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



58

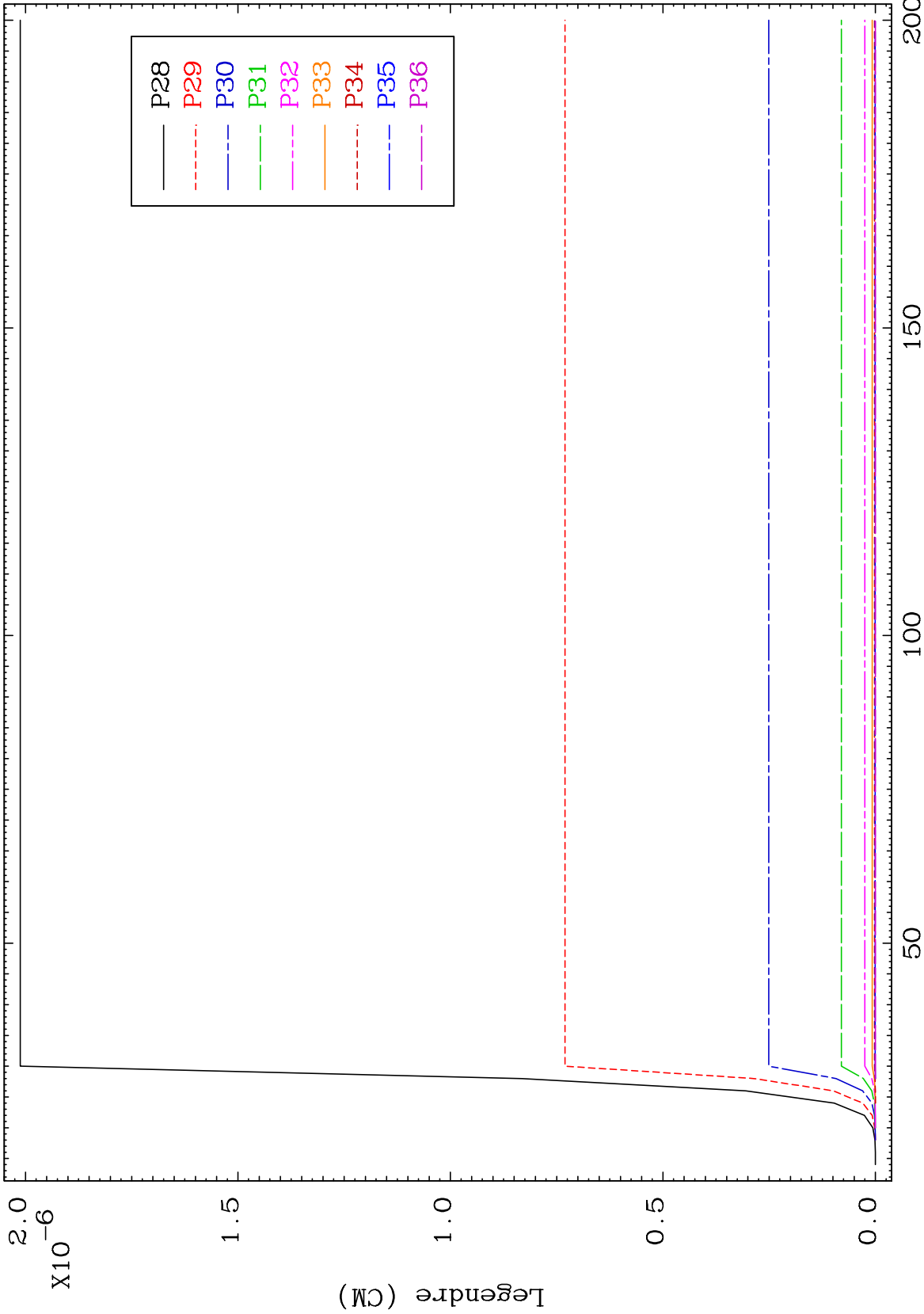
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



59

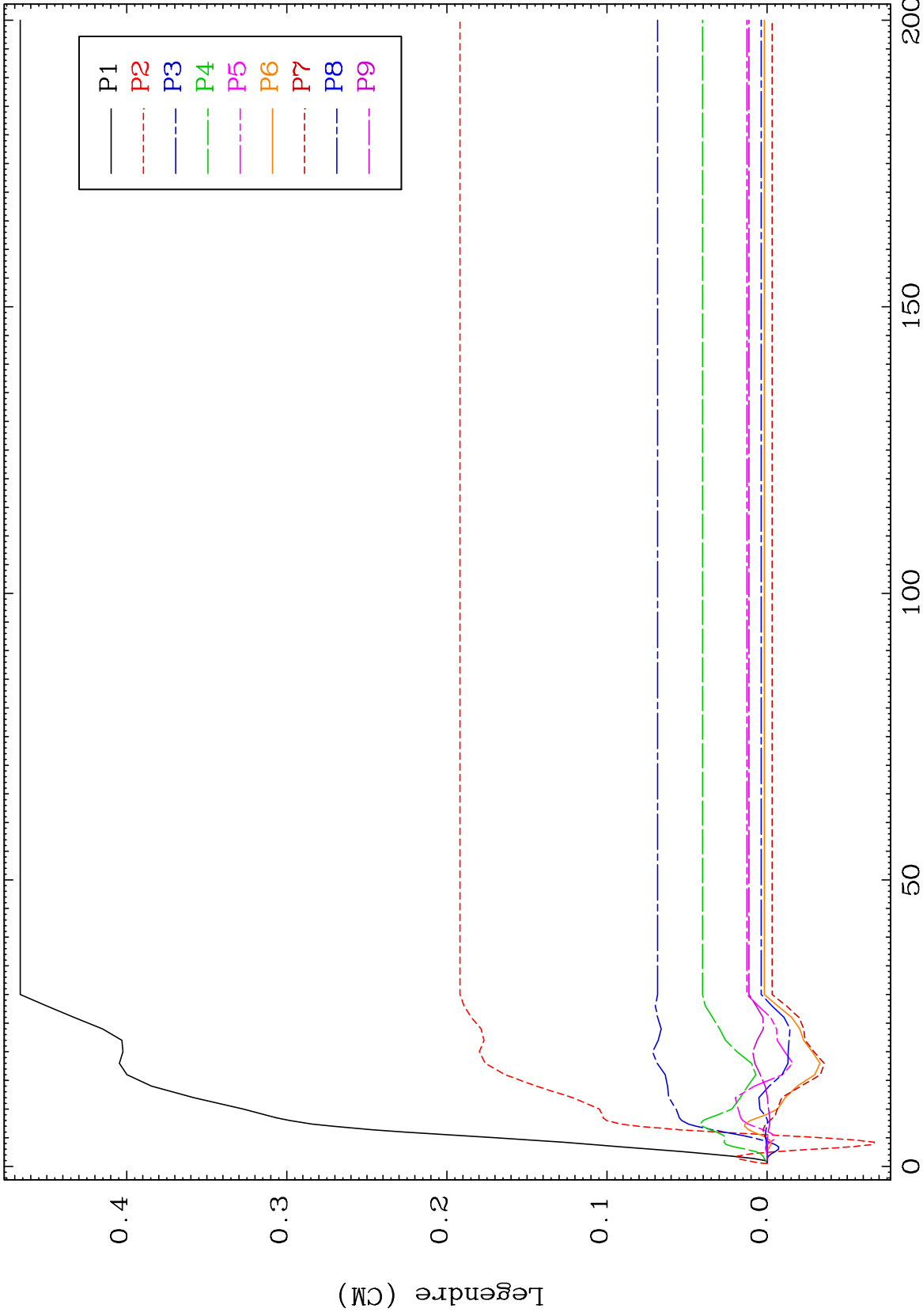
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



60

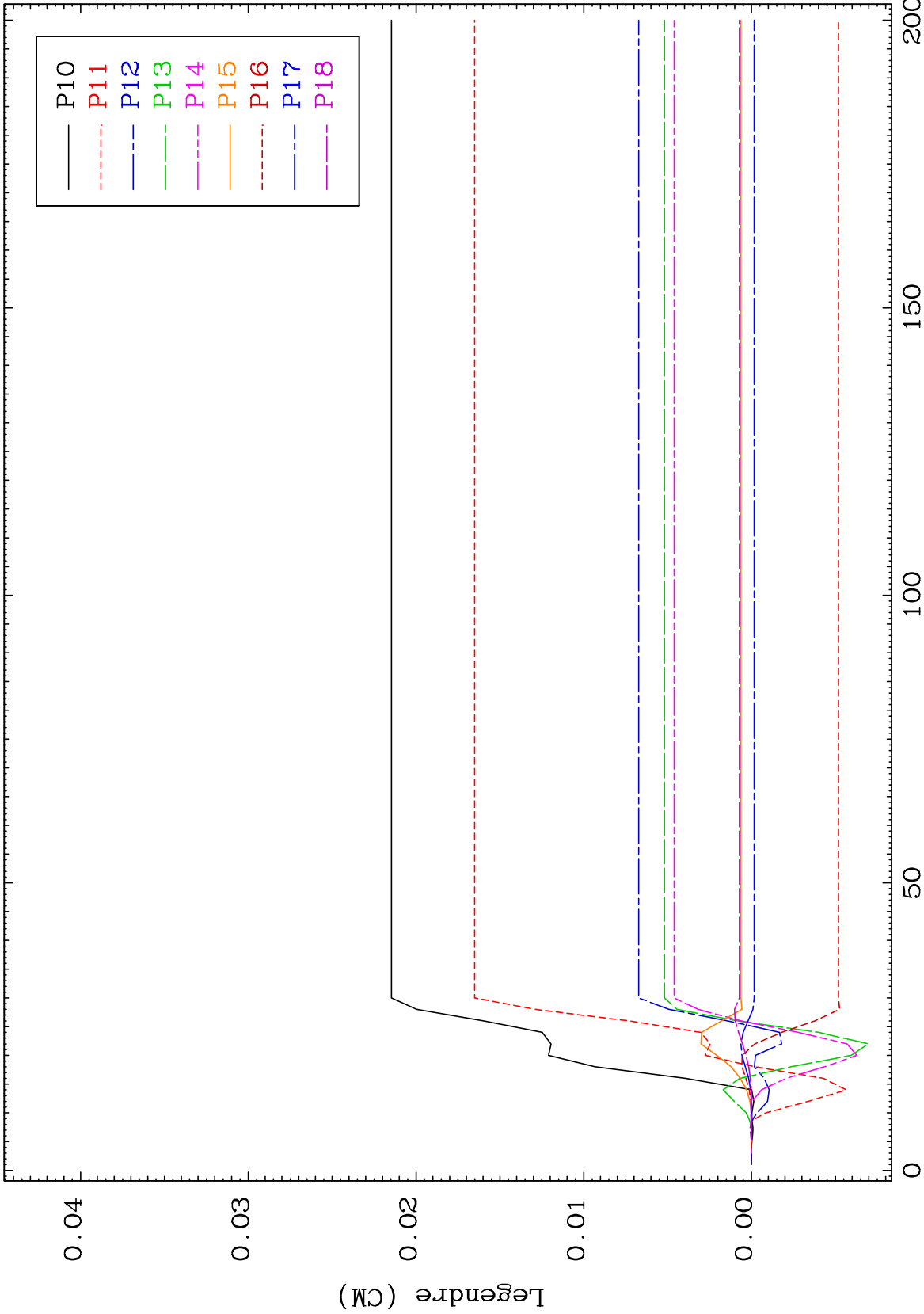
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



61

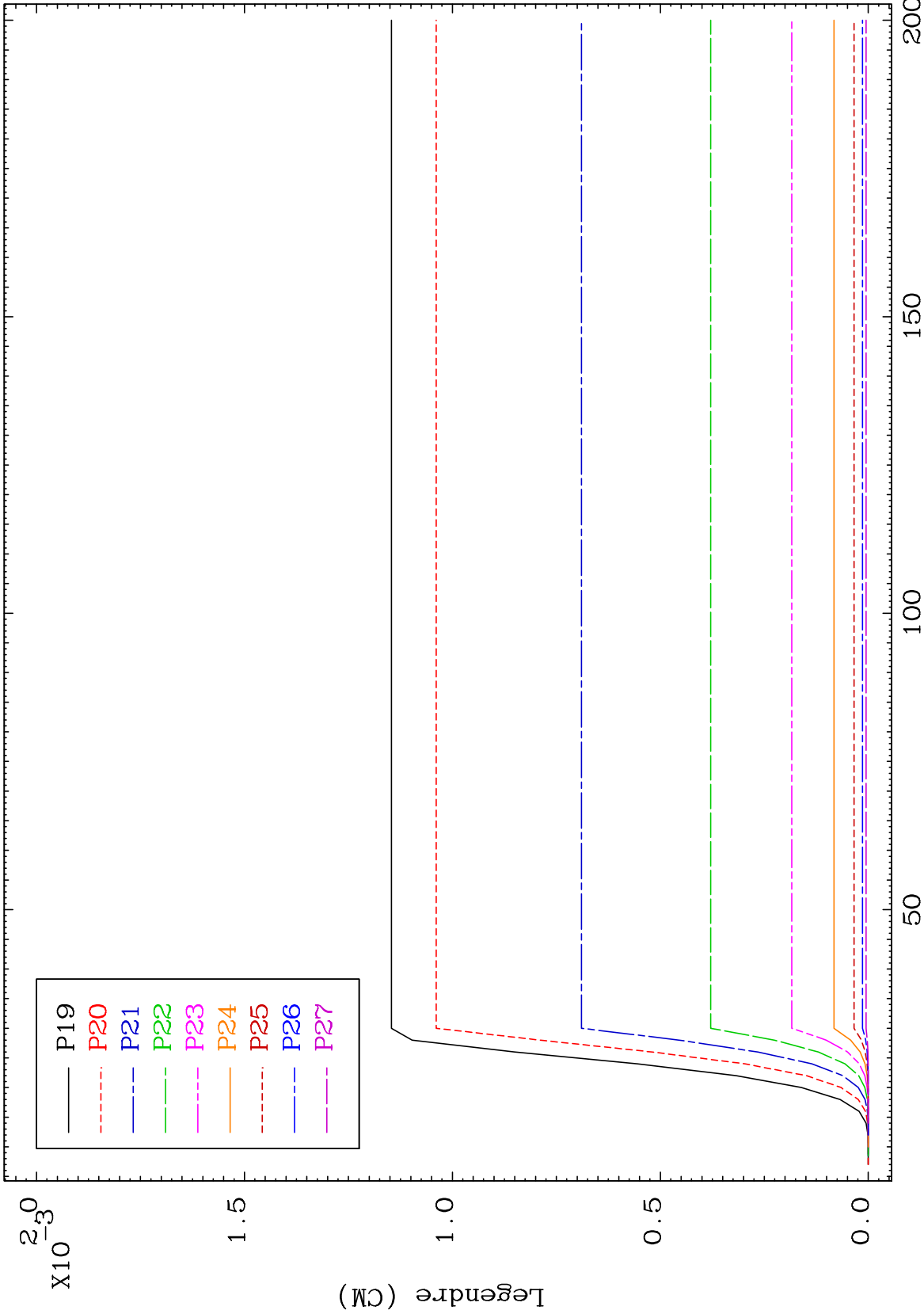
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



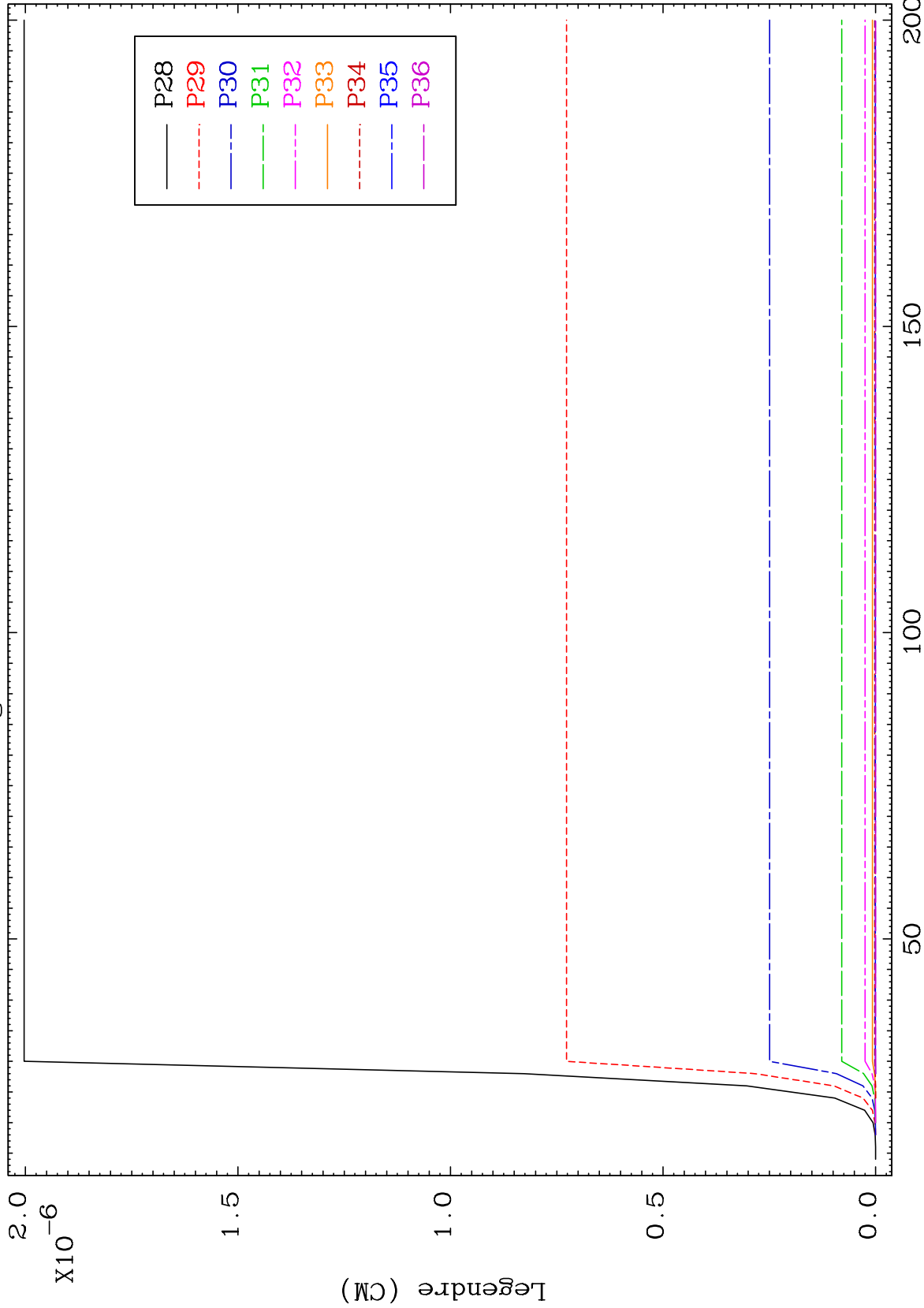
62

56-Ba-123

MAT 5604

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

56-Ba-123



63

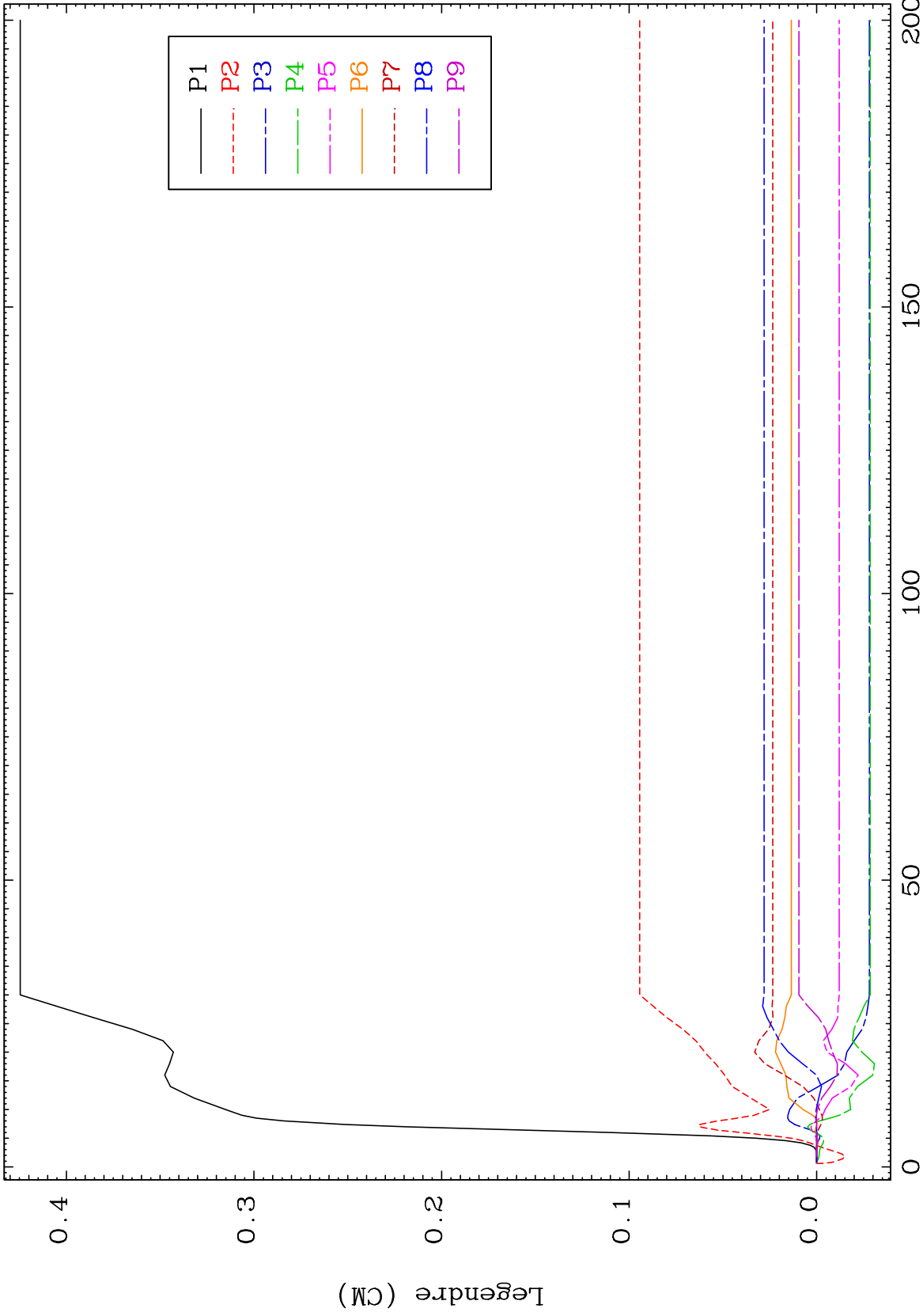
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



64

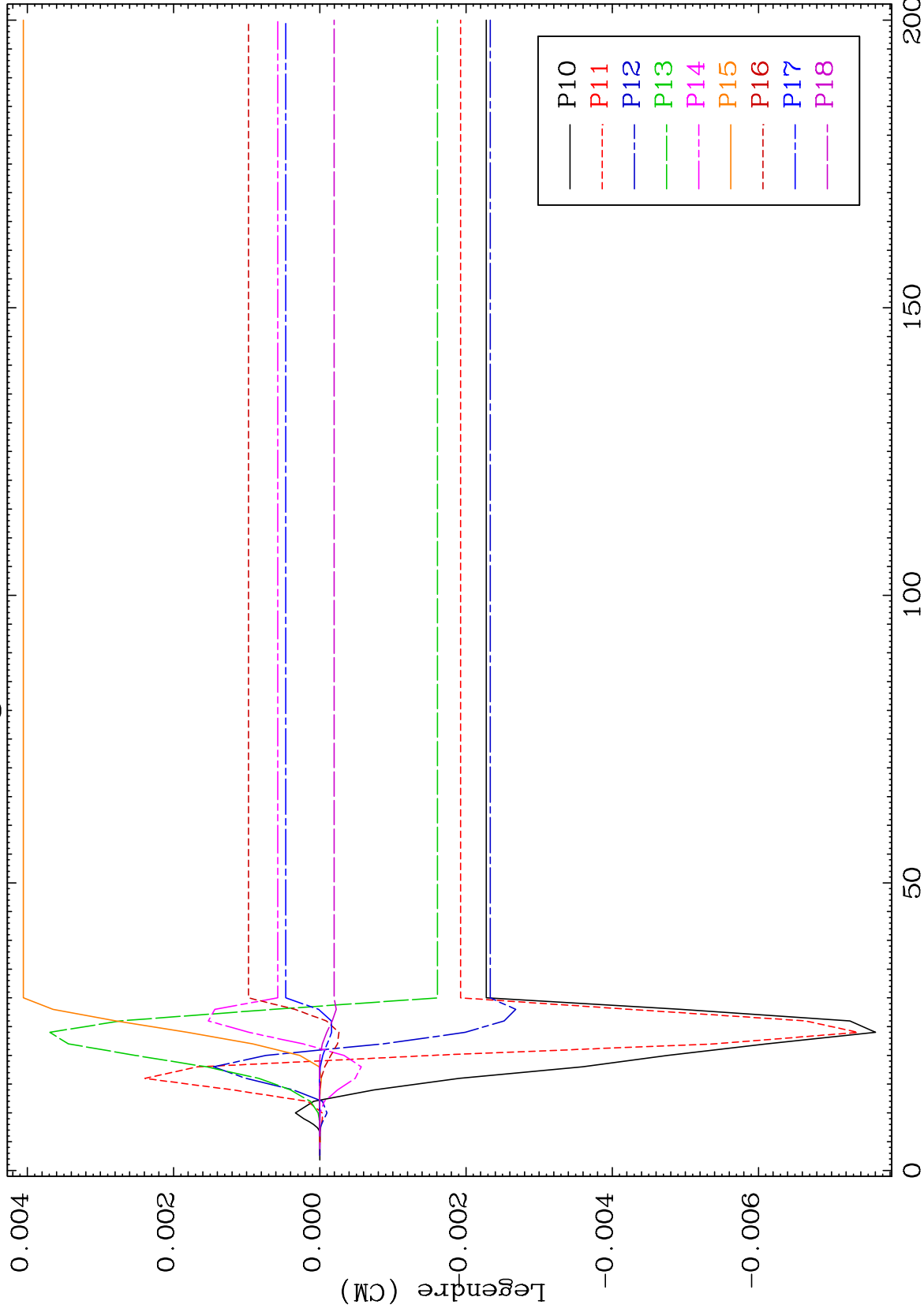
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



65

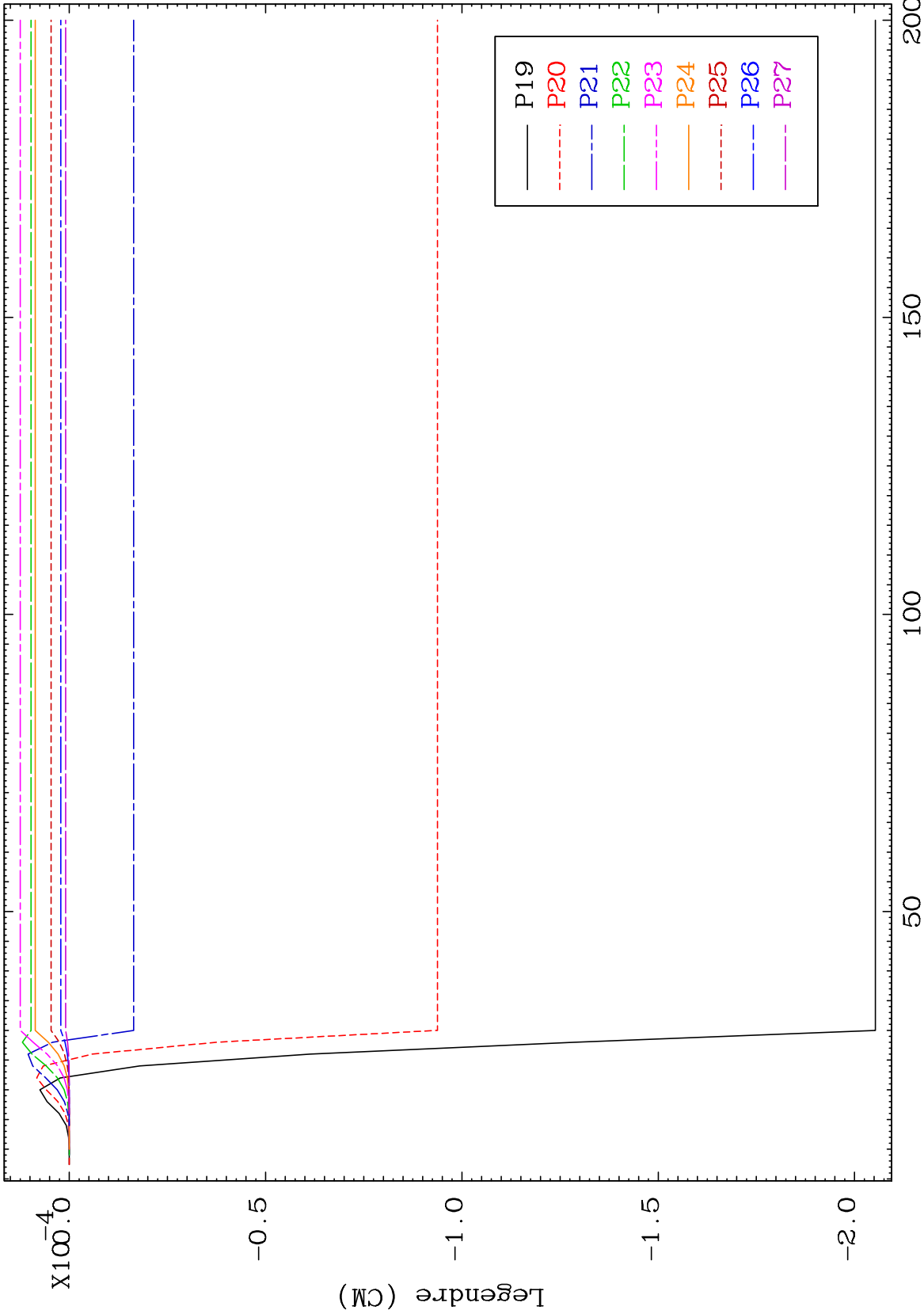
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



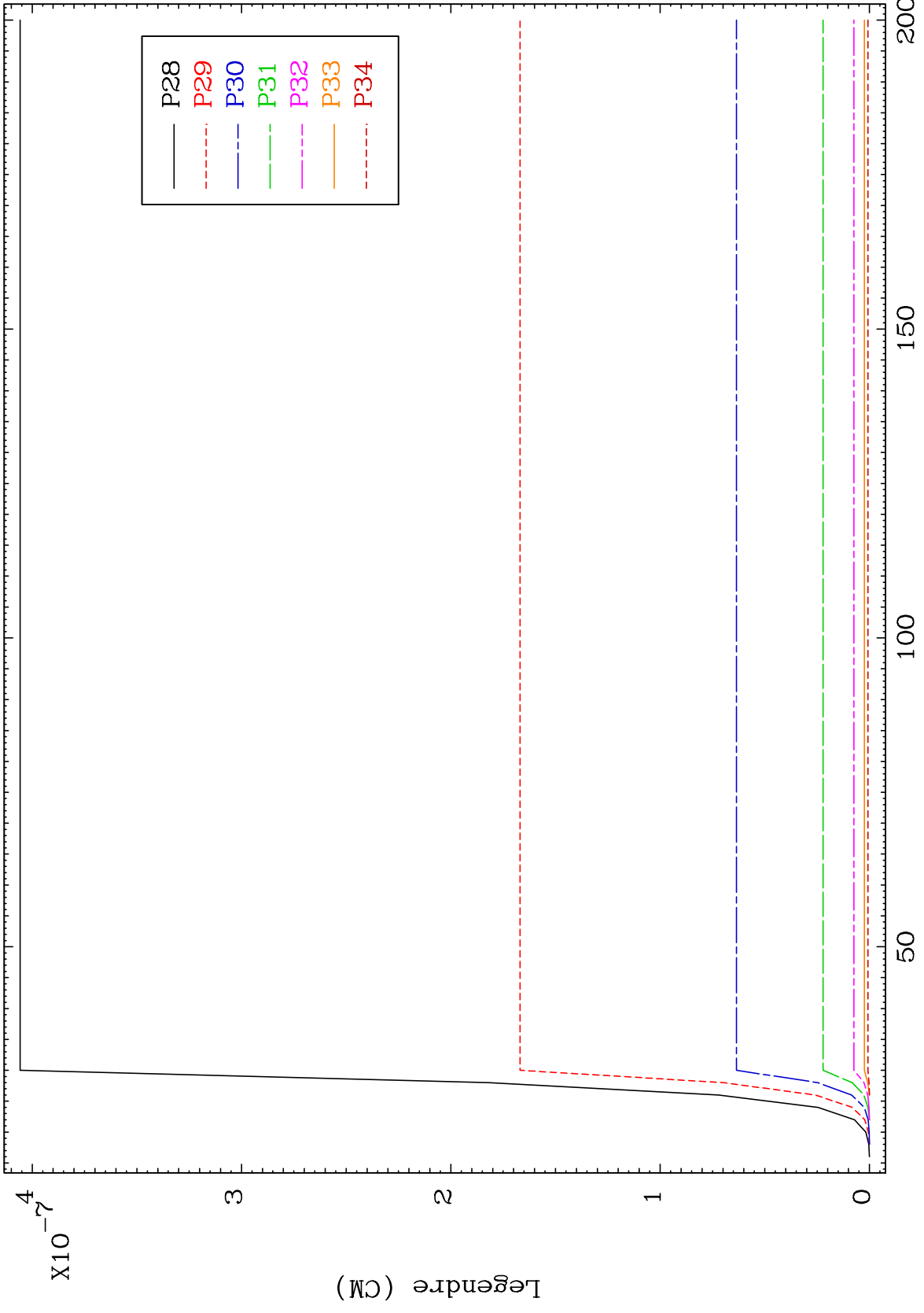
66

56-Ba-123

MAT 5604

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

56-Ba-123



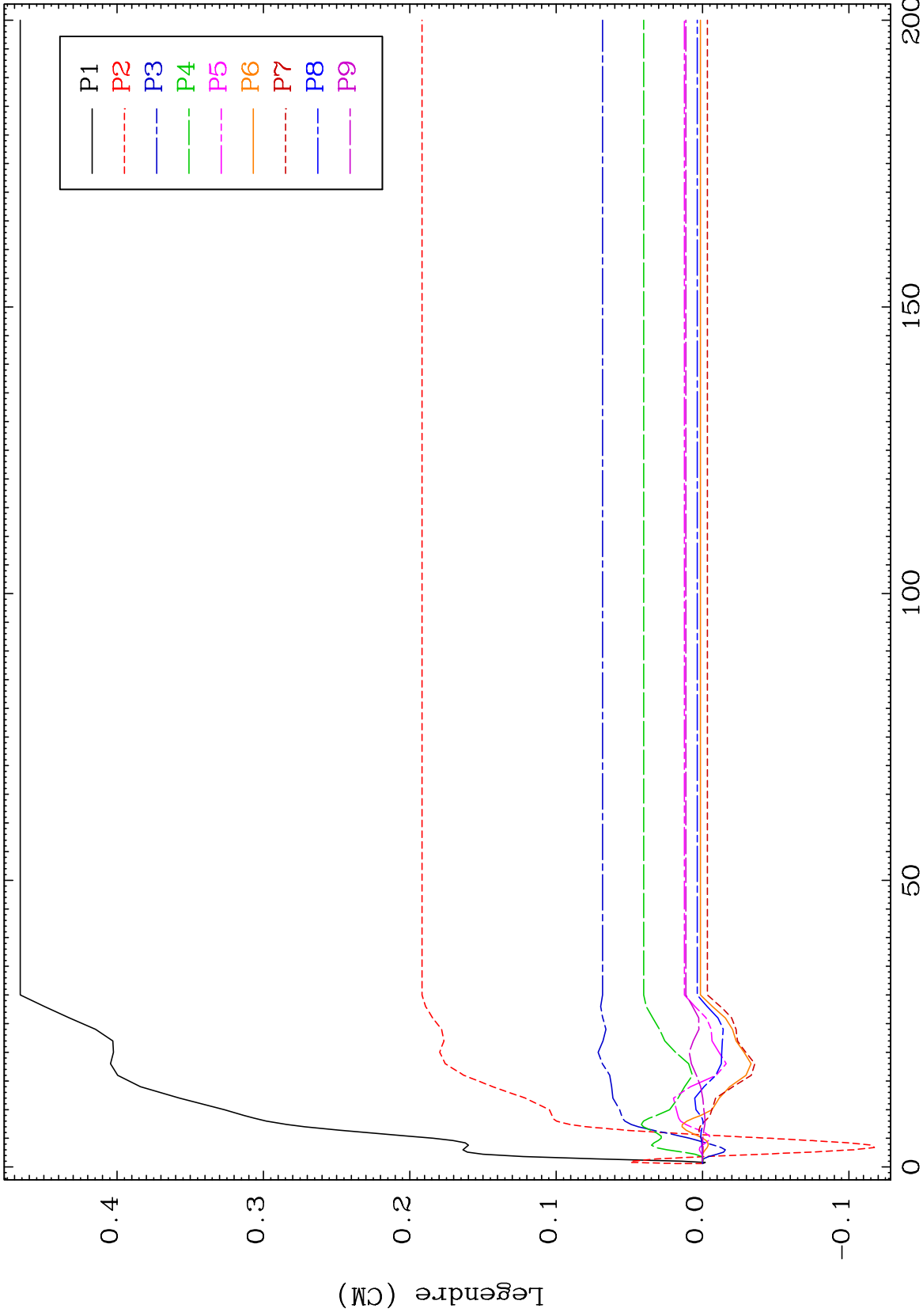
67

56-Ba-123

MAT 5604

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

56-Ba-123



68

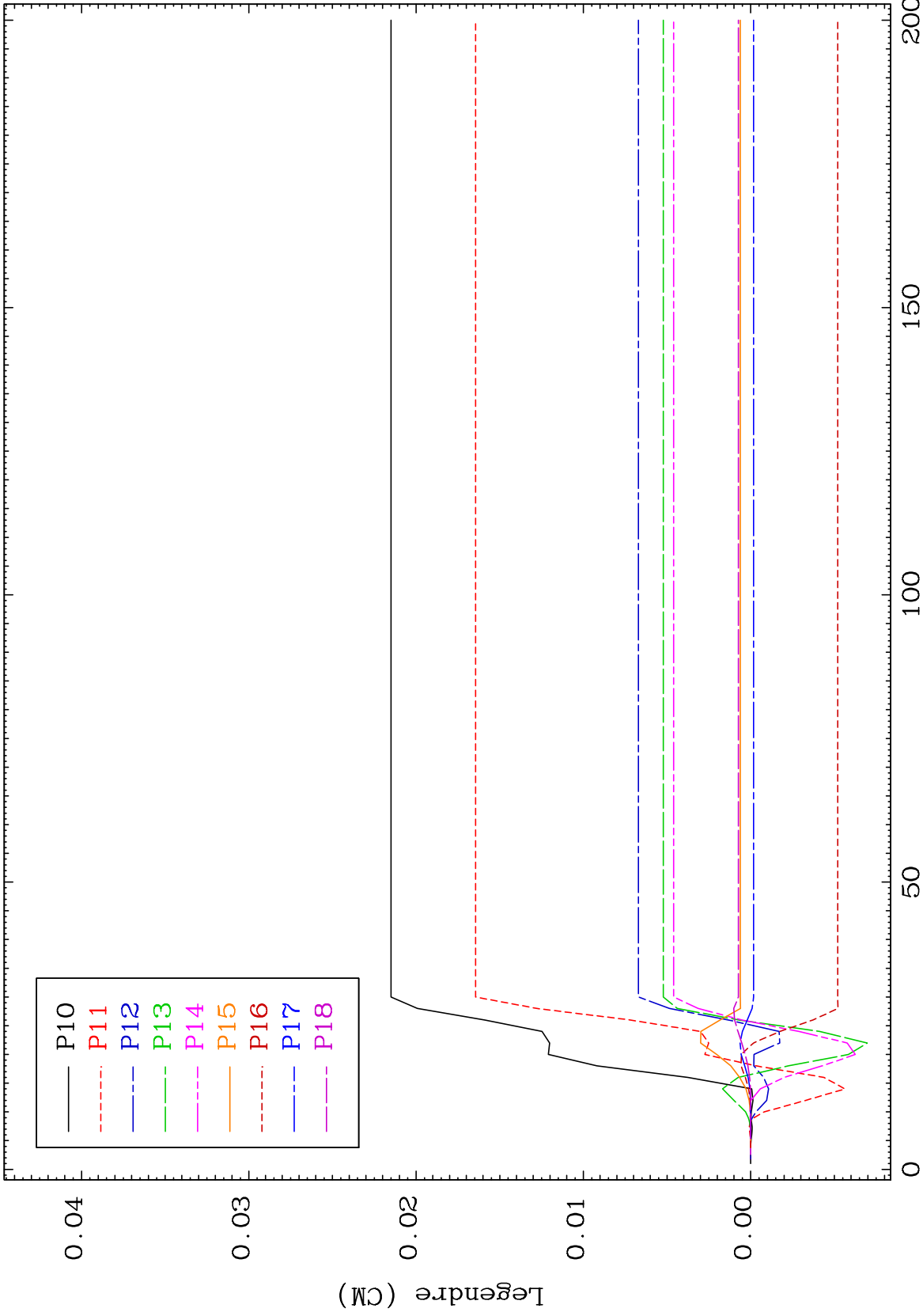
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



69

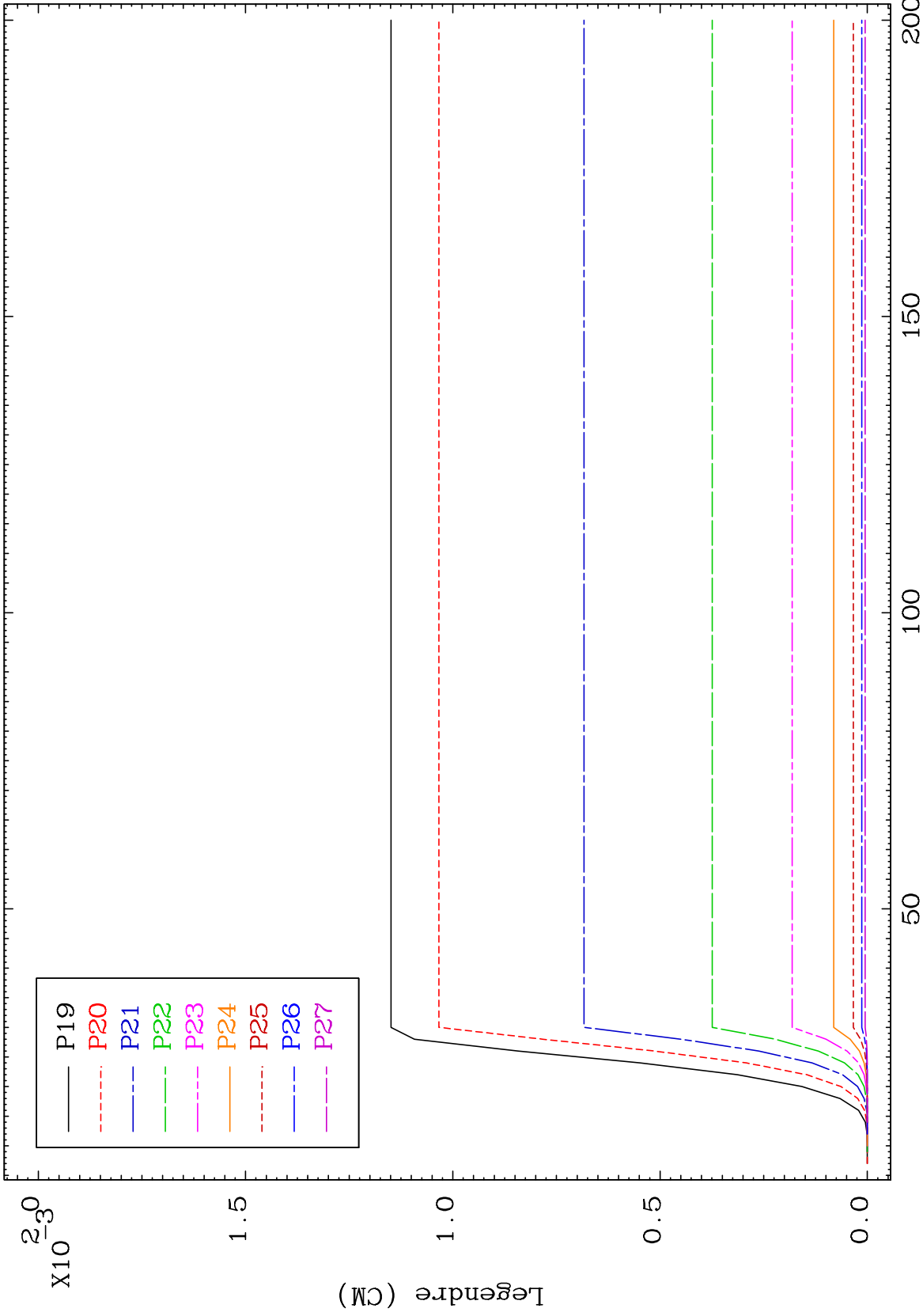
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



70

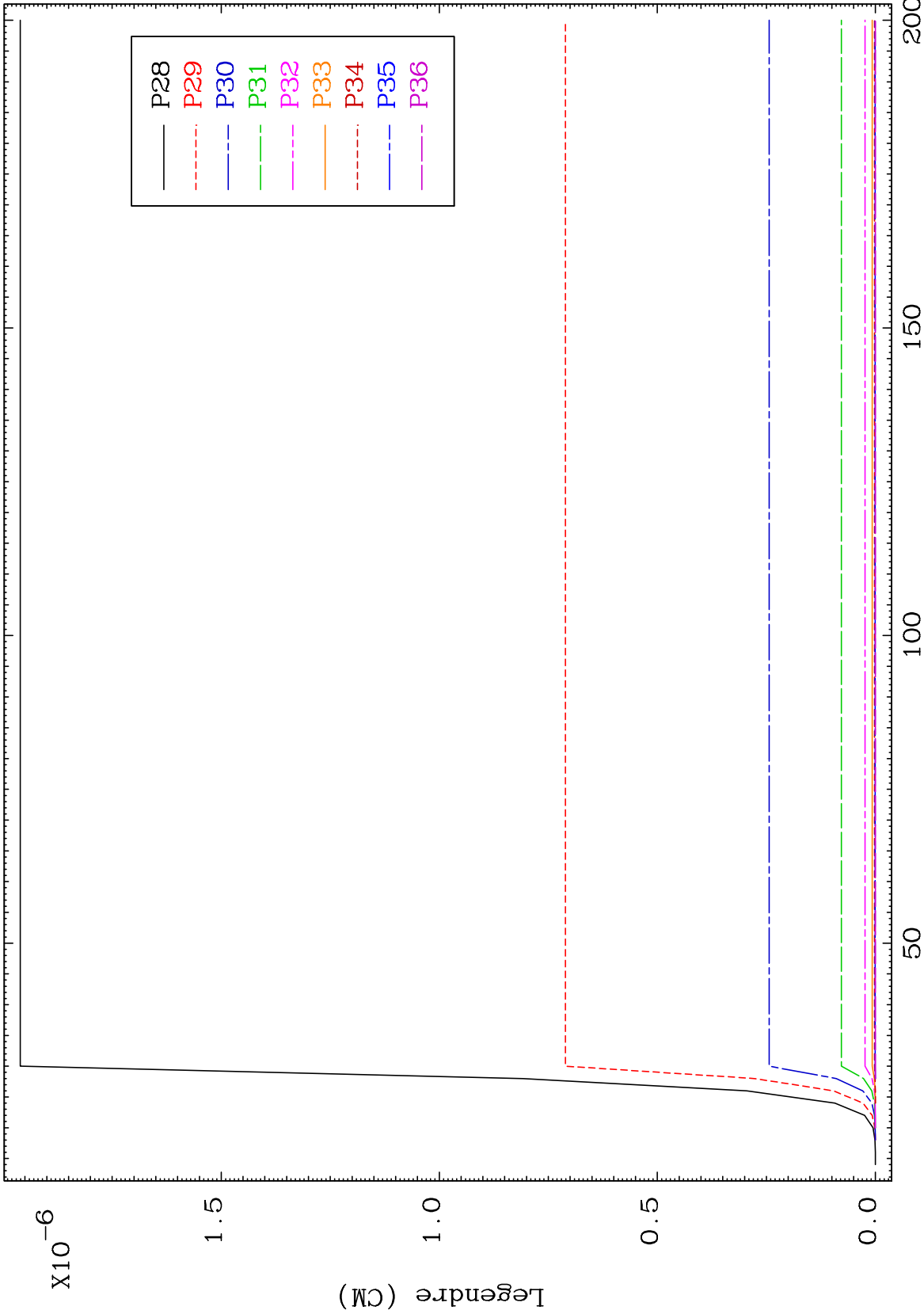
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



71

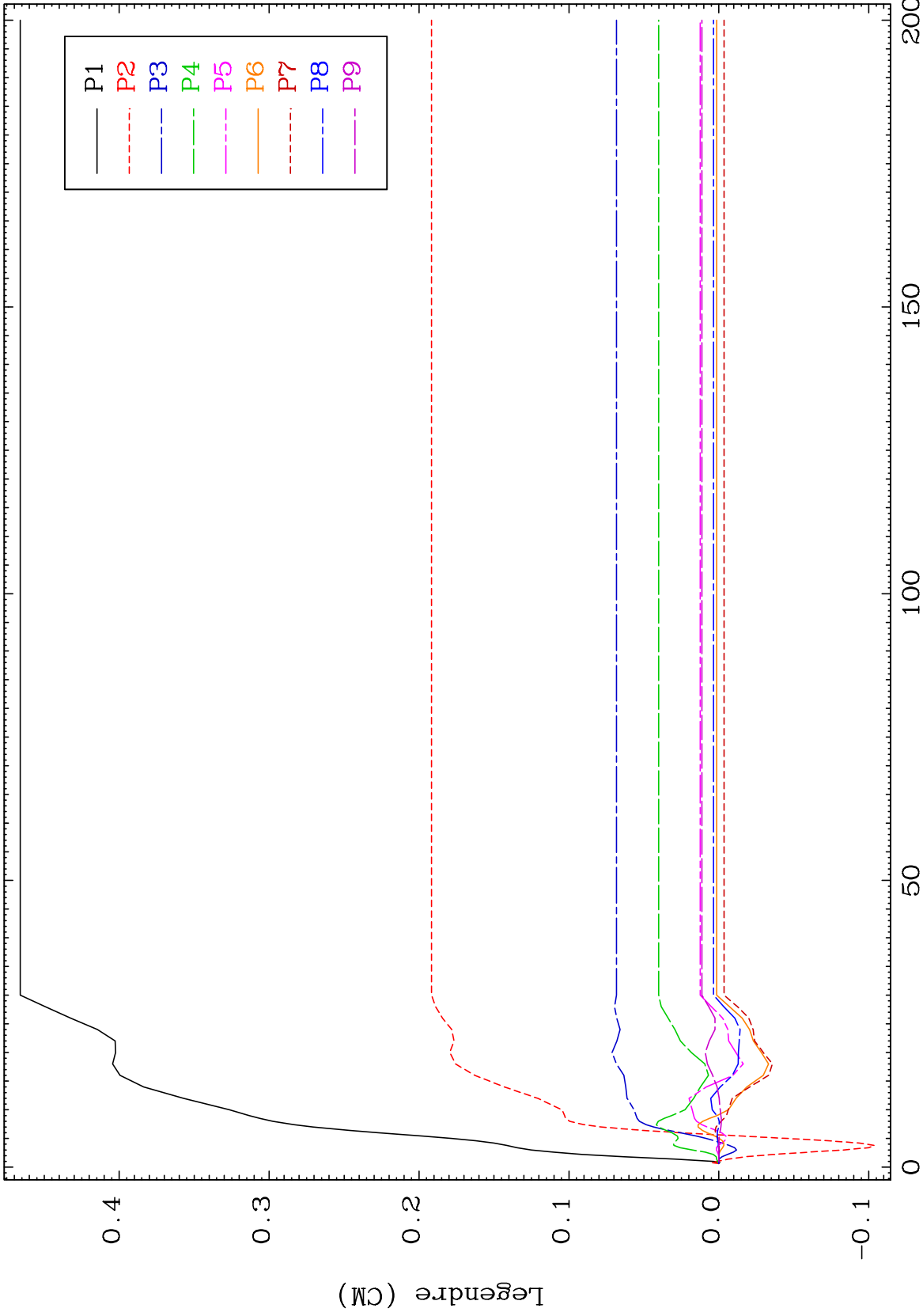
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



72

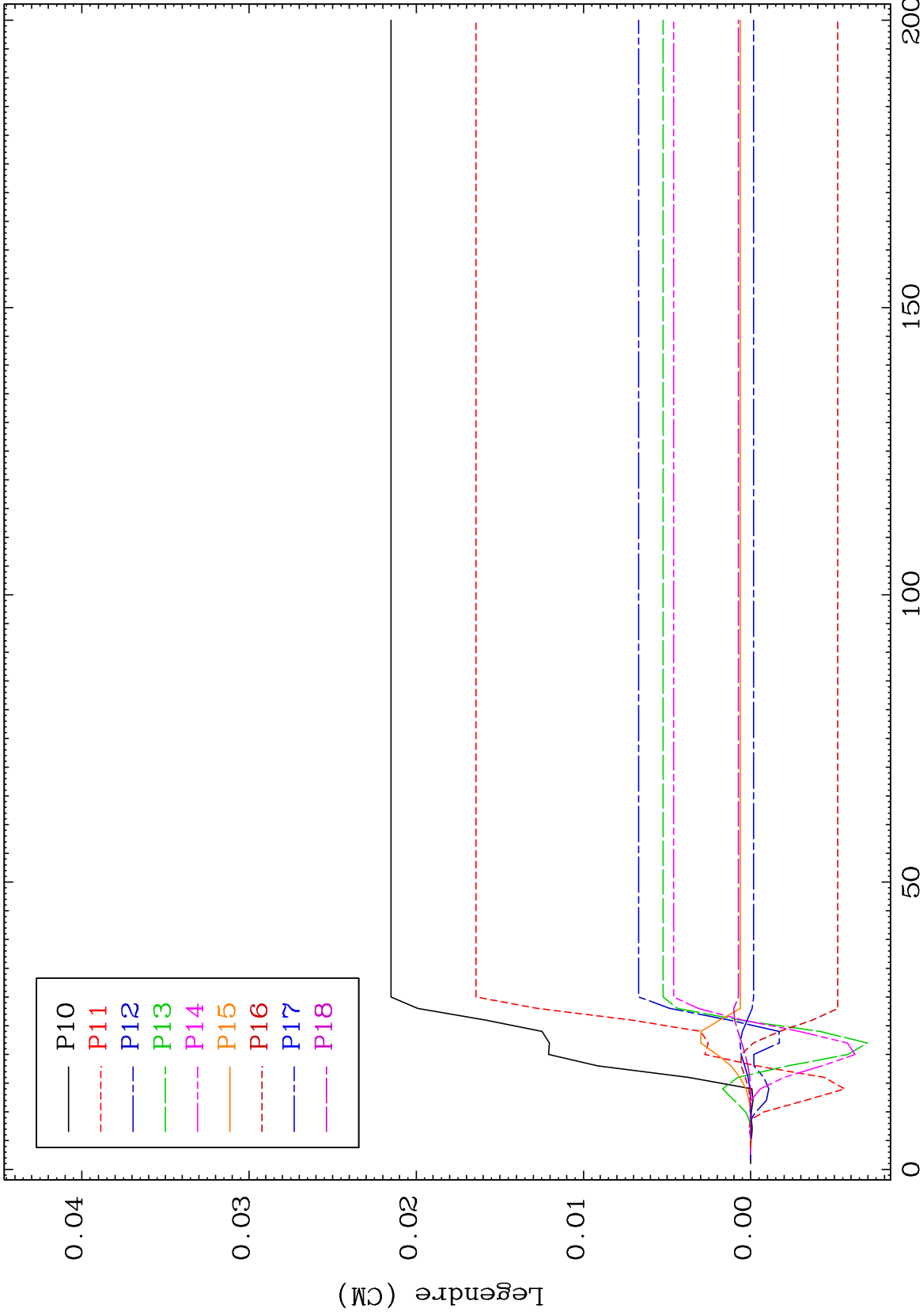
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



73

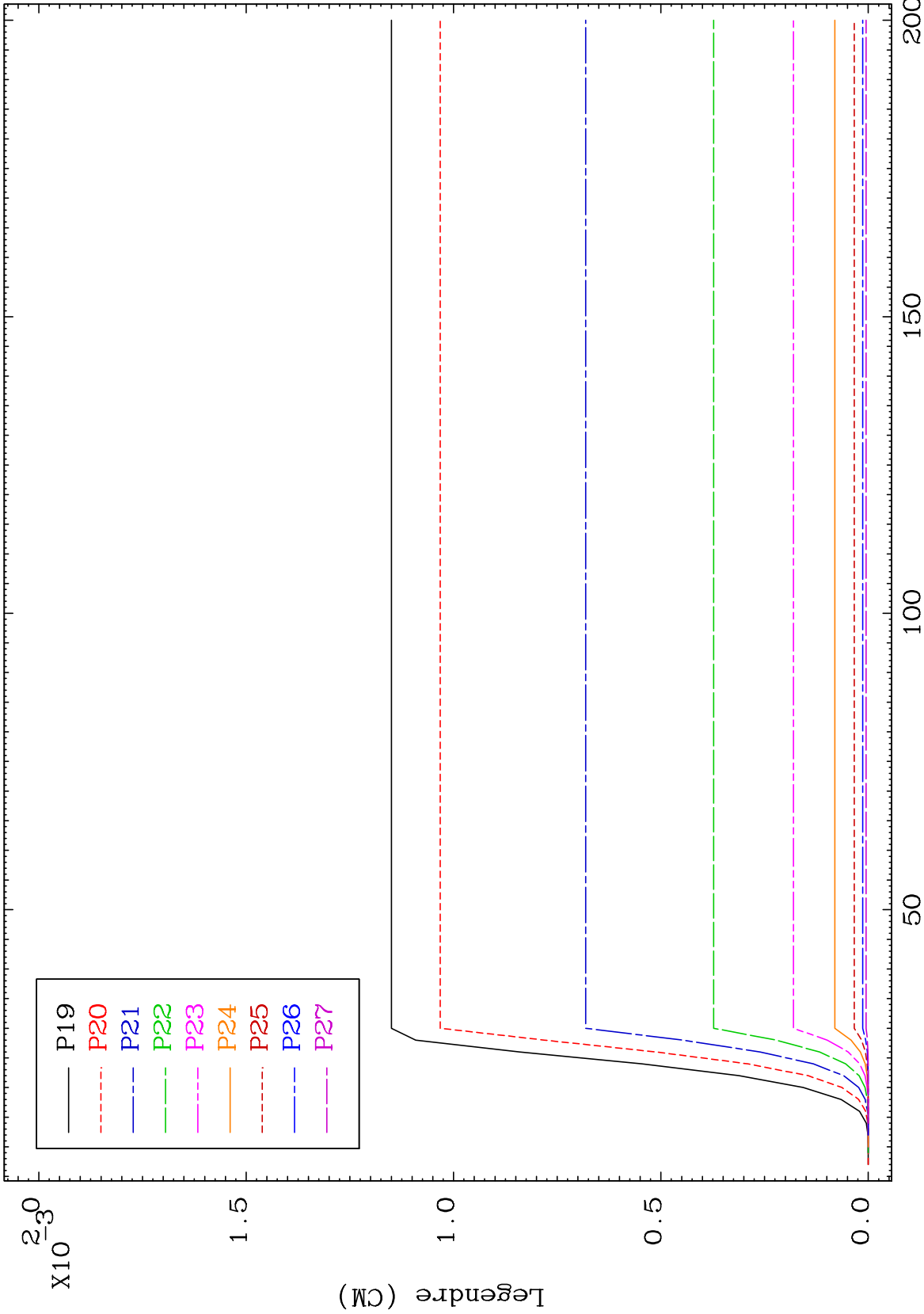
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



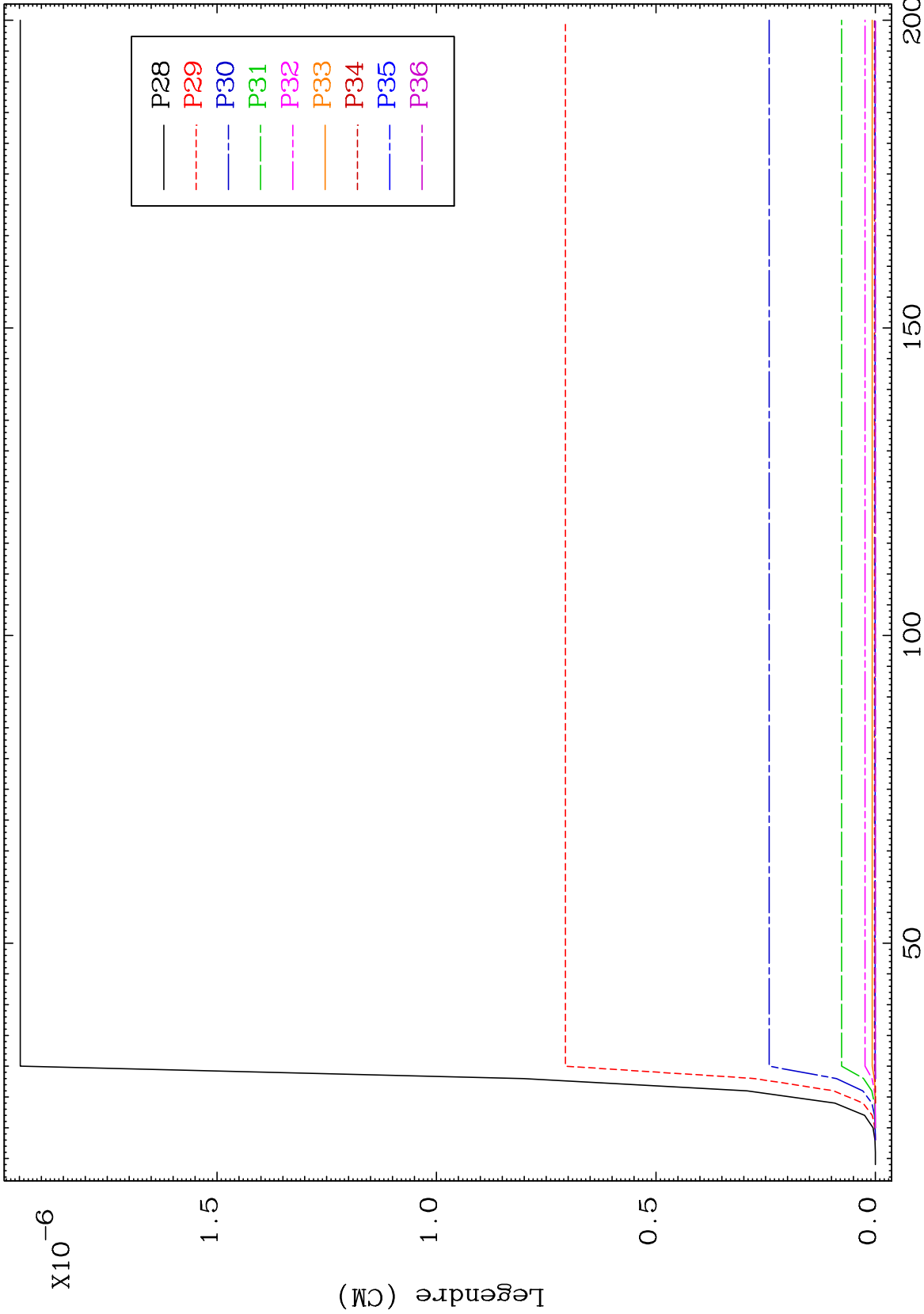
74

56-Ba-123

MAT 5604

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

56-Ba-123



75

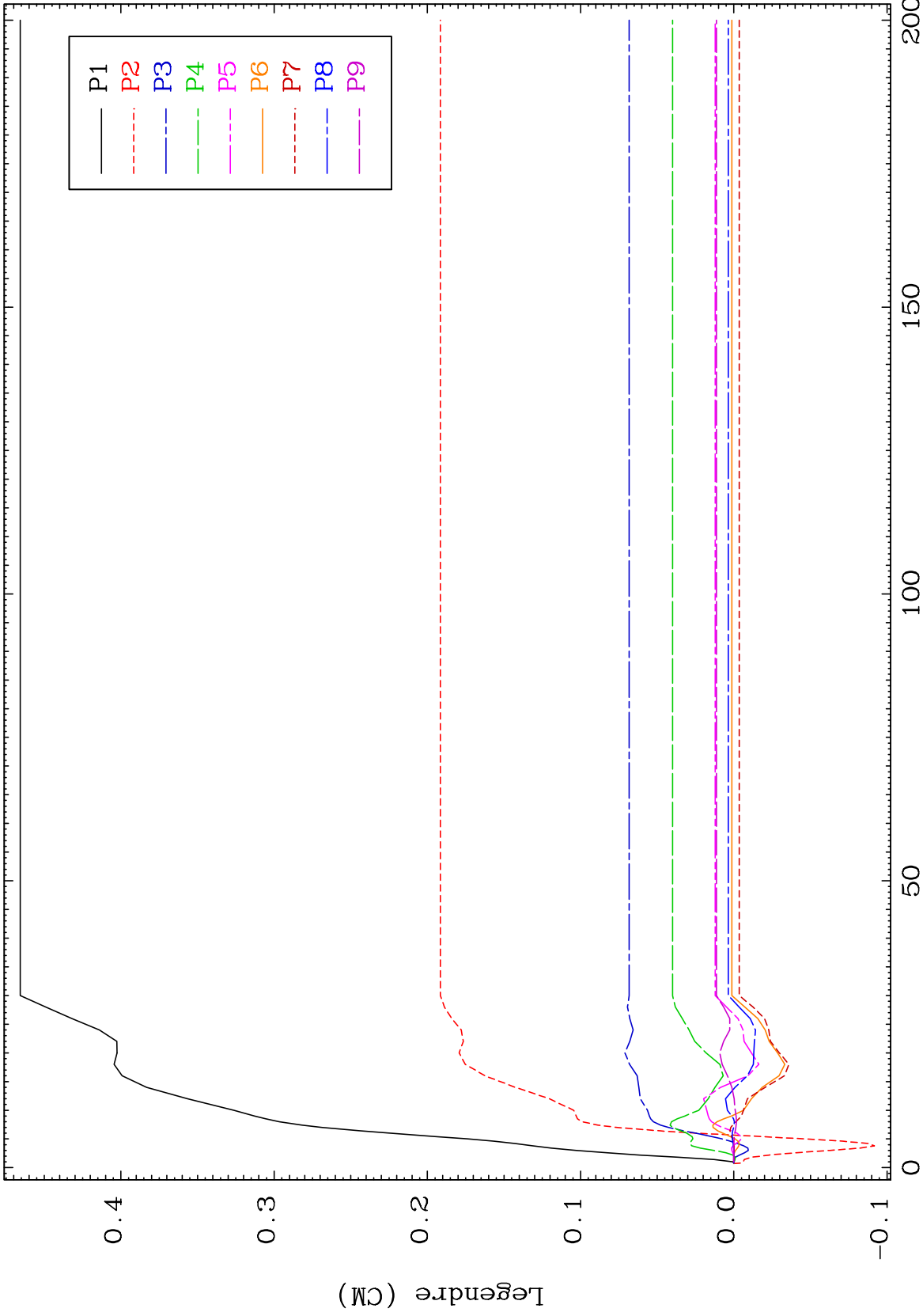
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



76

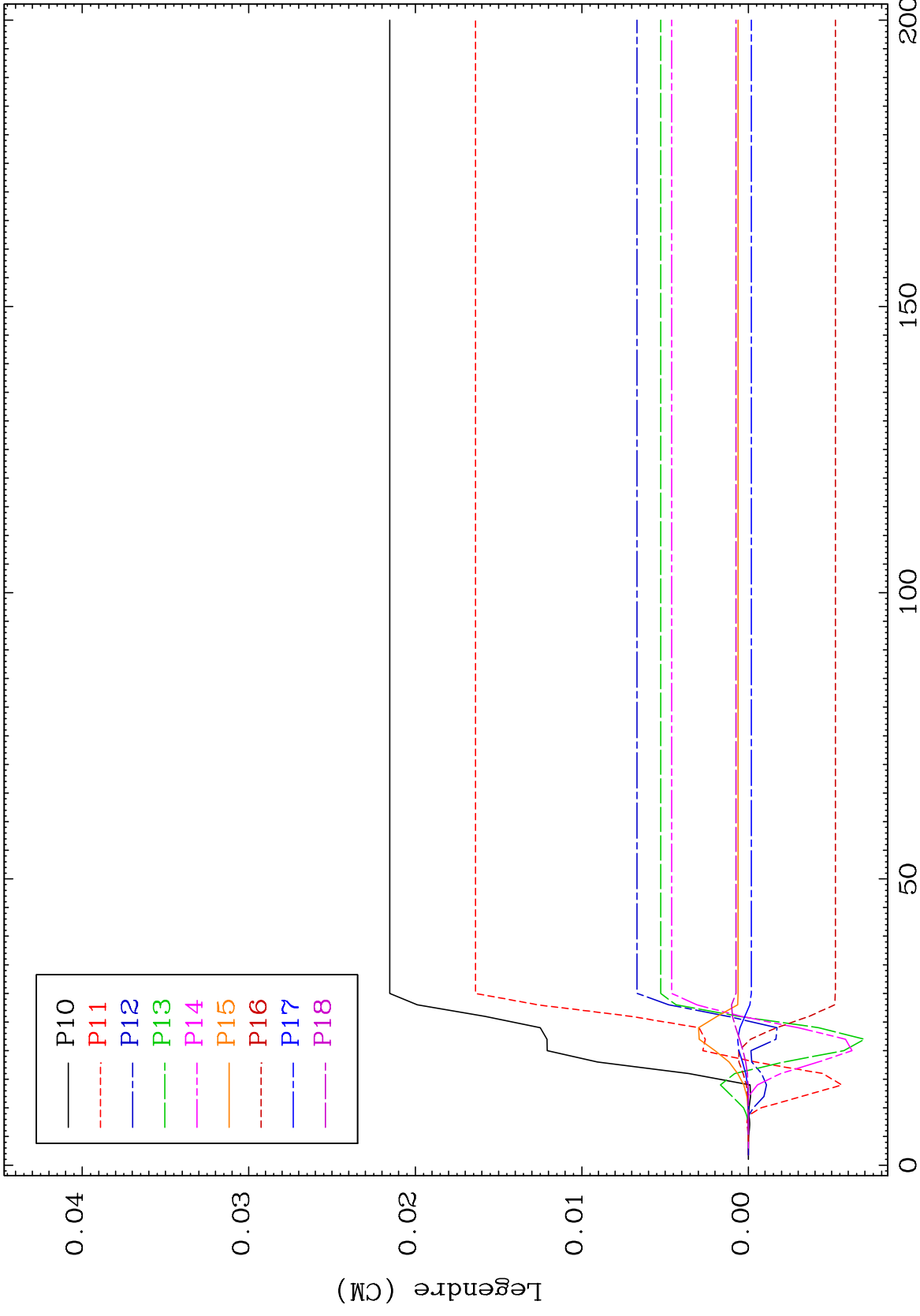
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



77

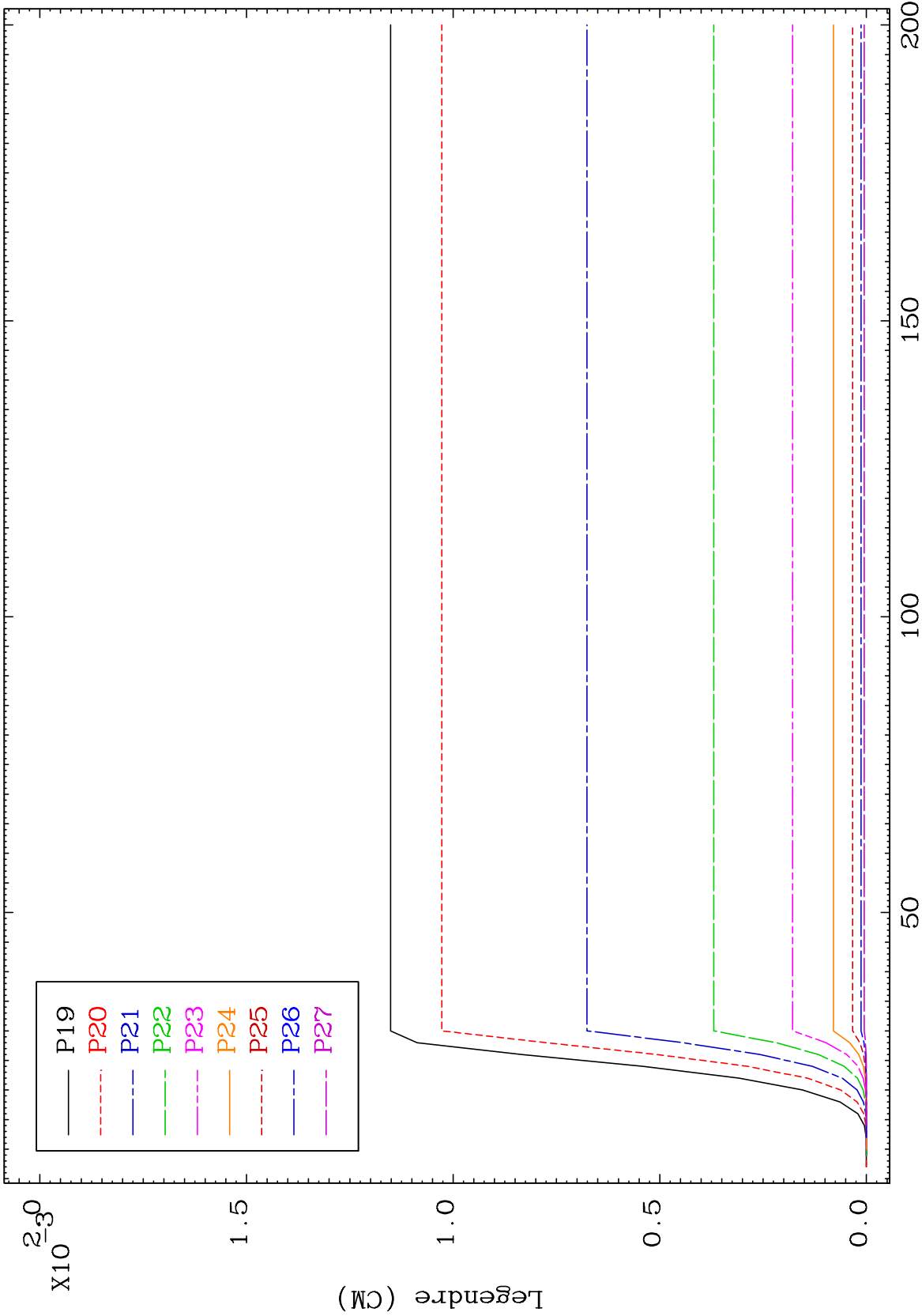
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



78

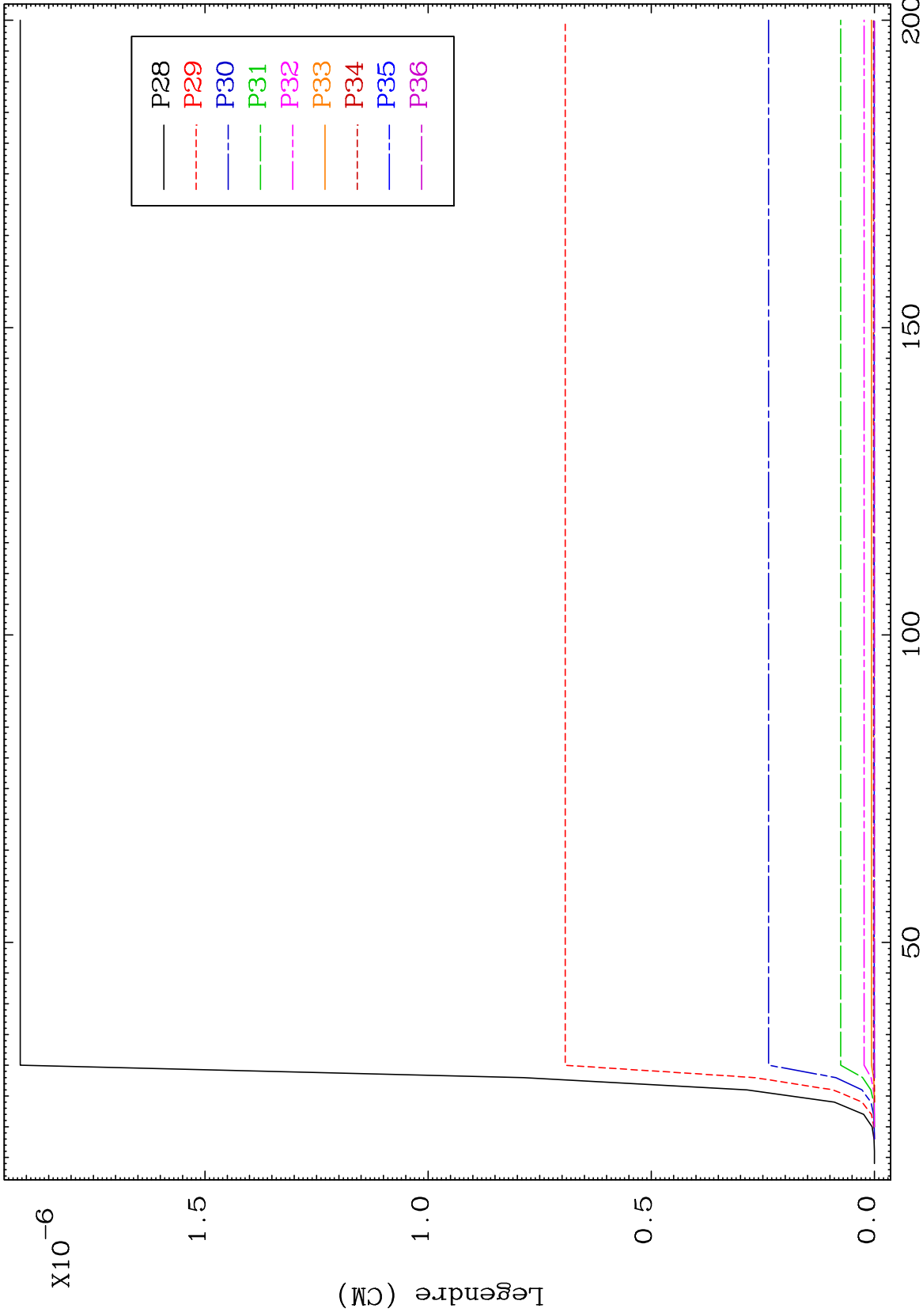
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



79

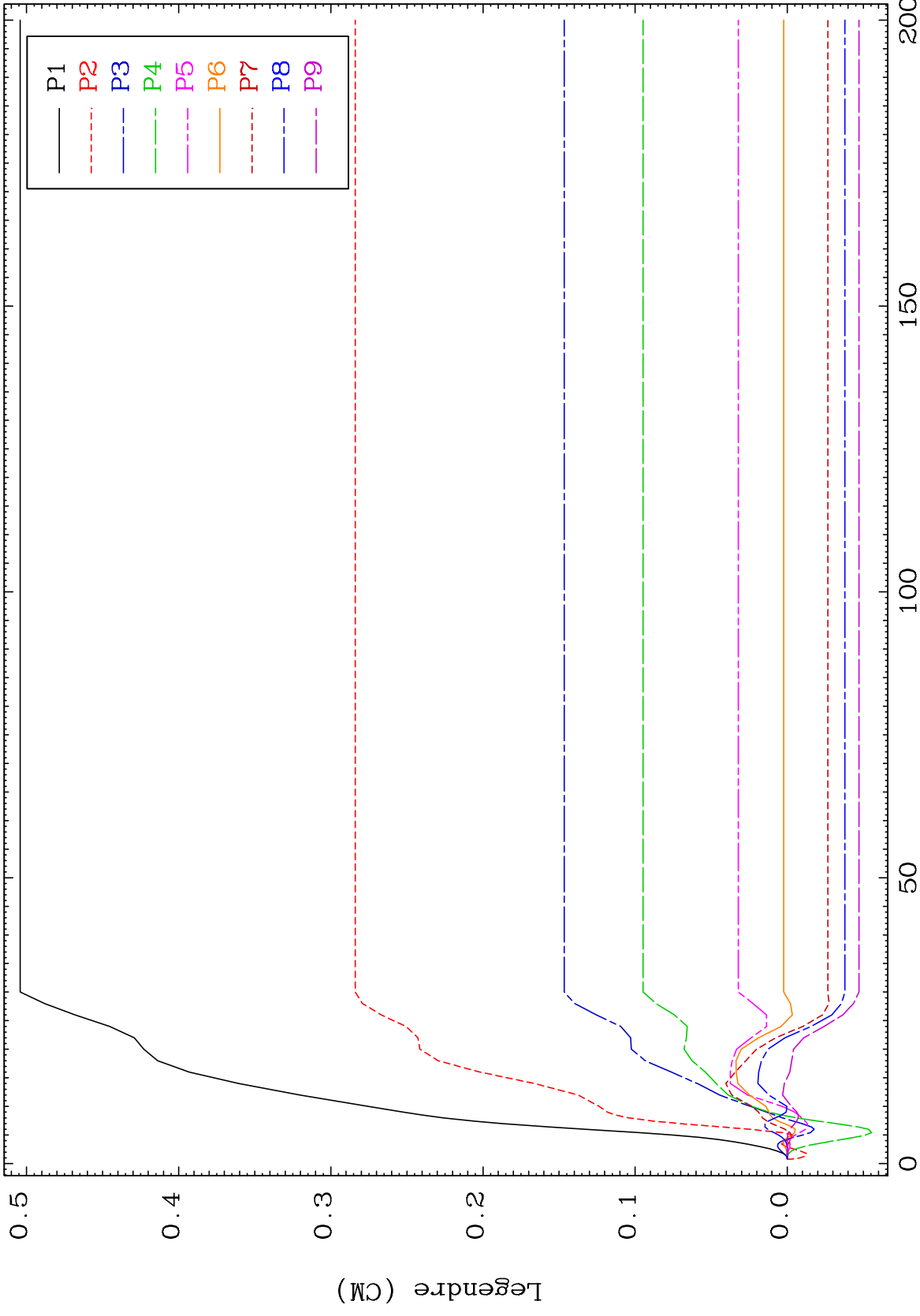
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

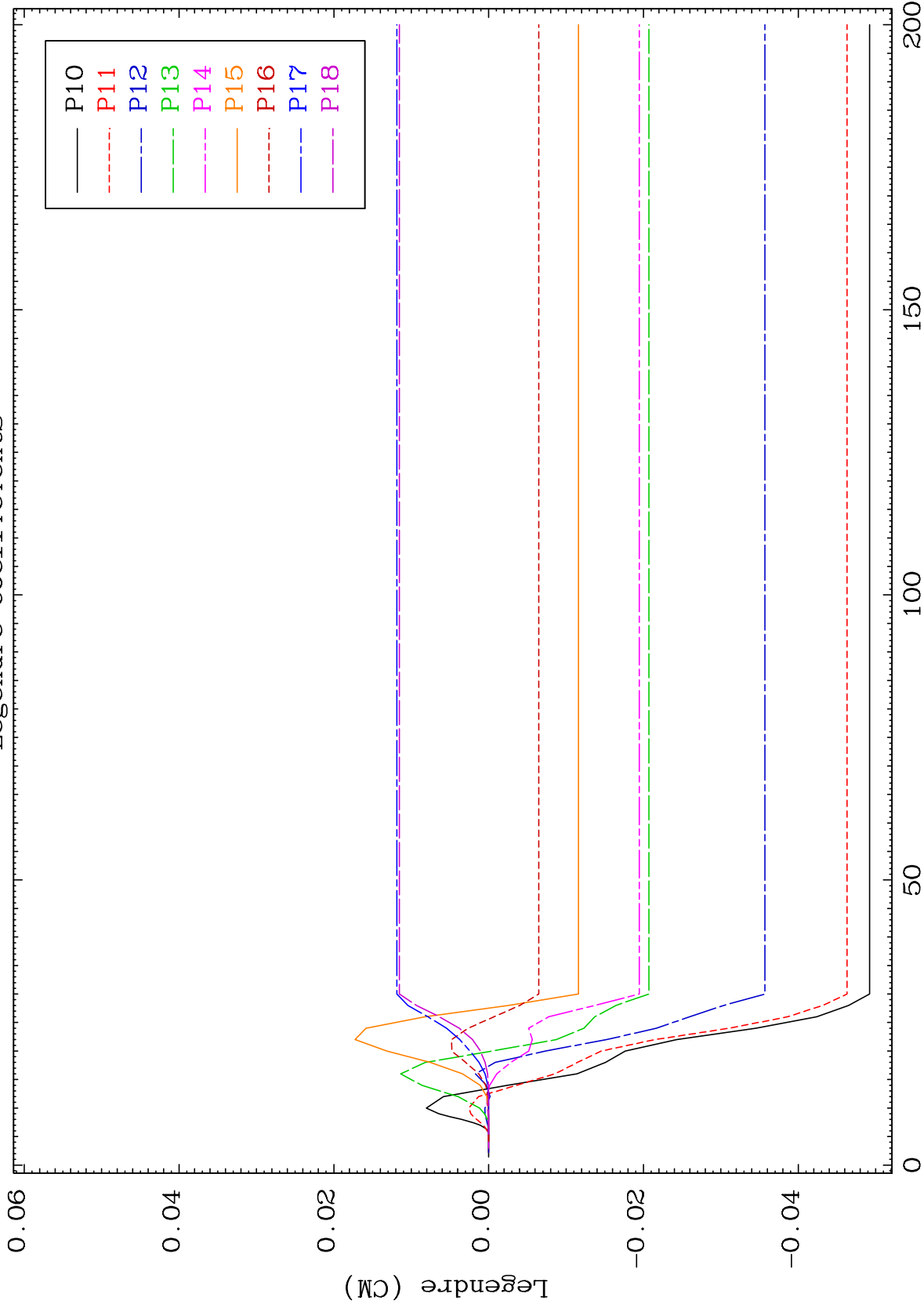
Incident Energy (MeV)

80

MAT 5604

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

56-Ba-123



81

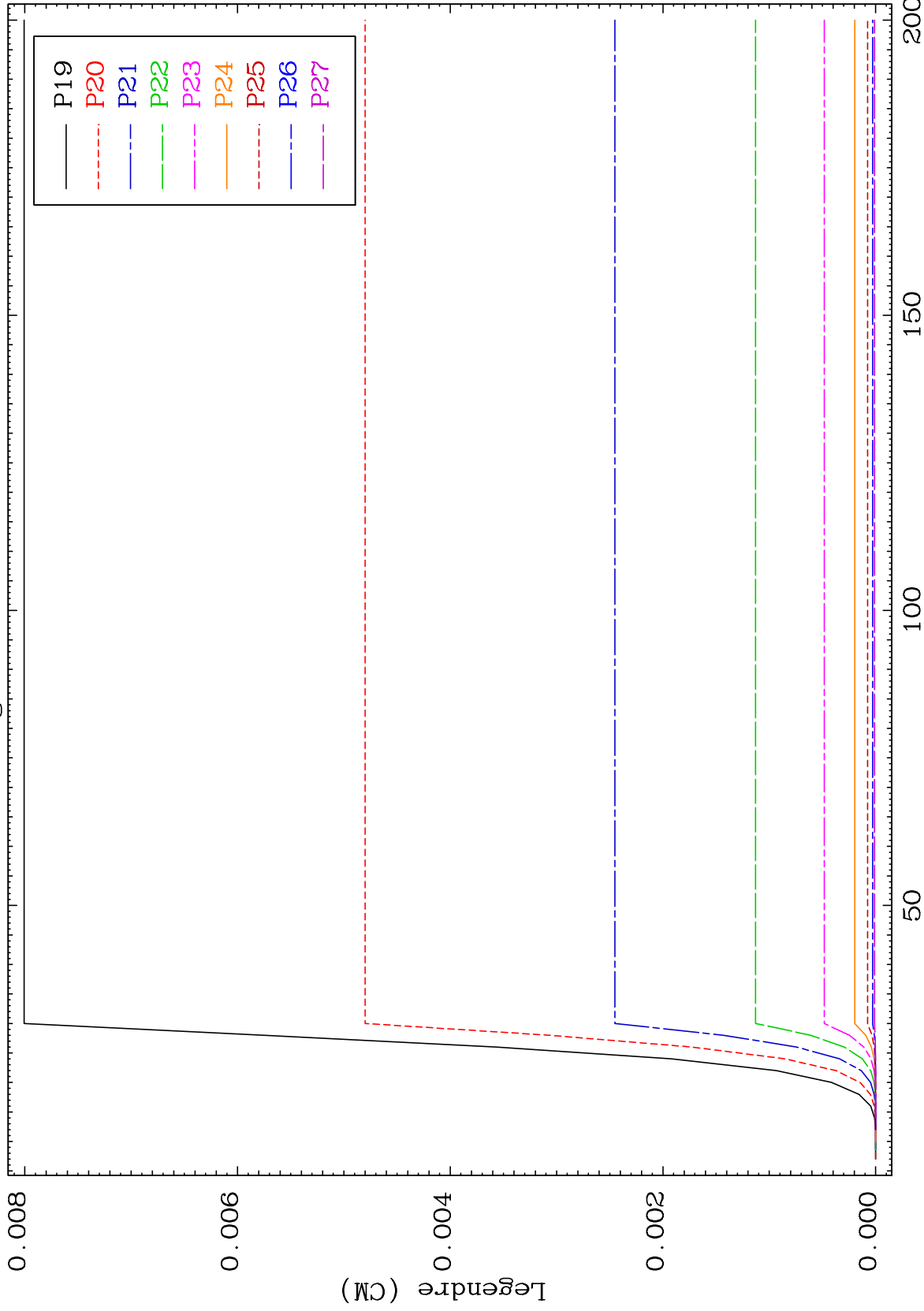
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



82

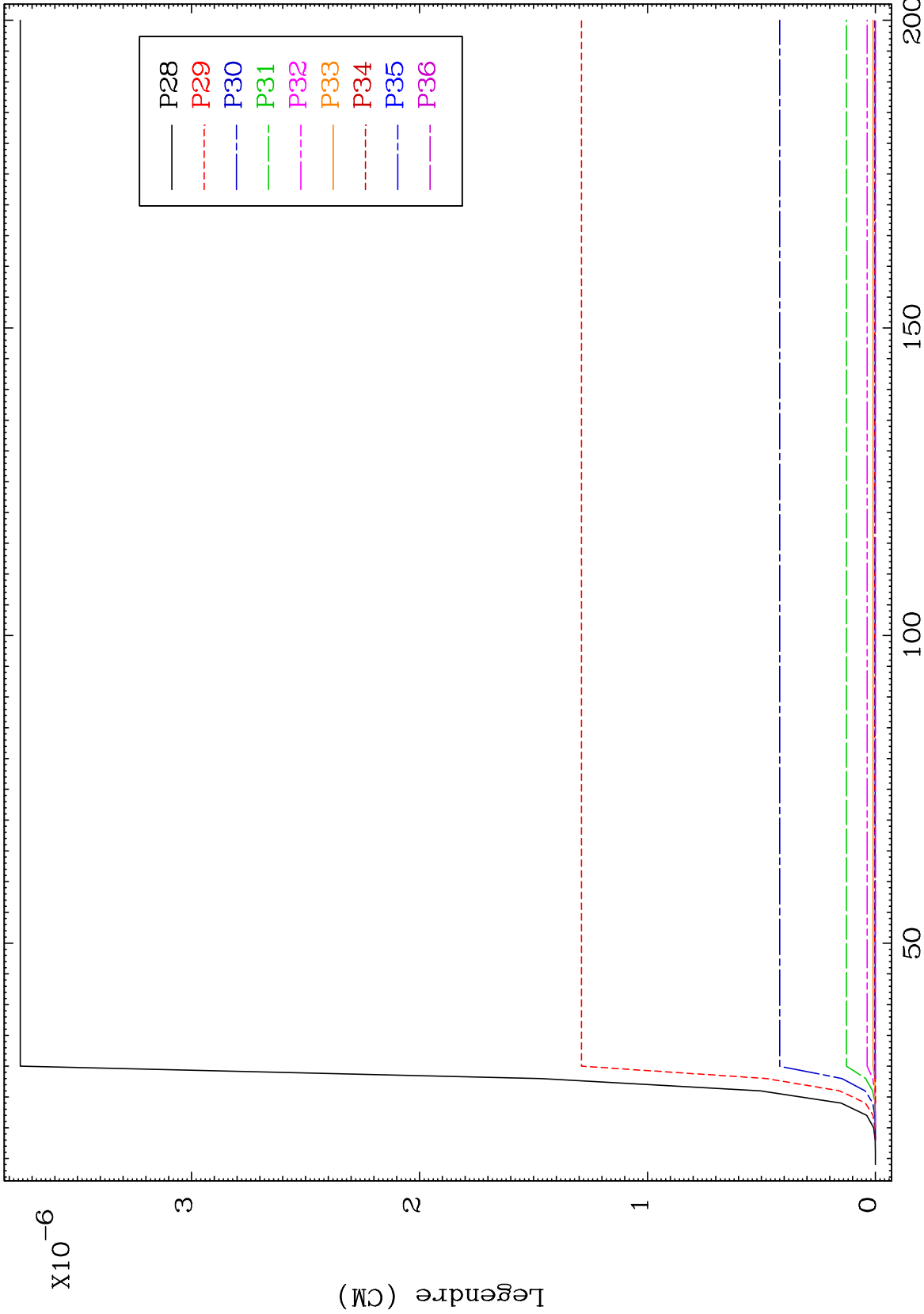
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



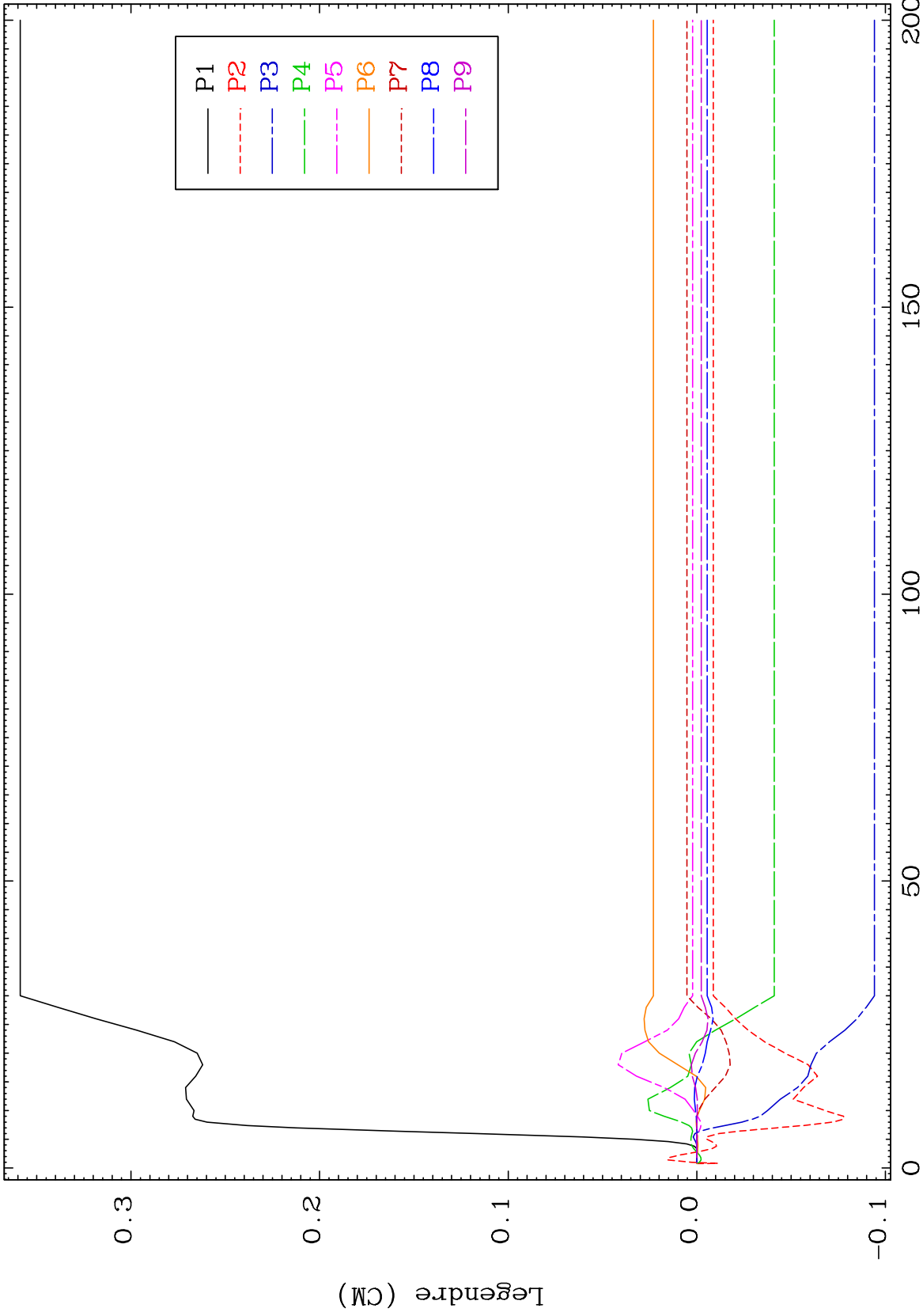
83

56-Ba-123

MAT 5604

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

56-Ba-123



84

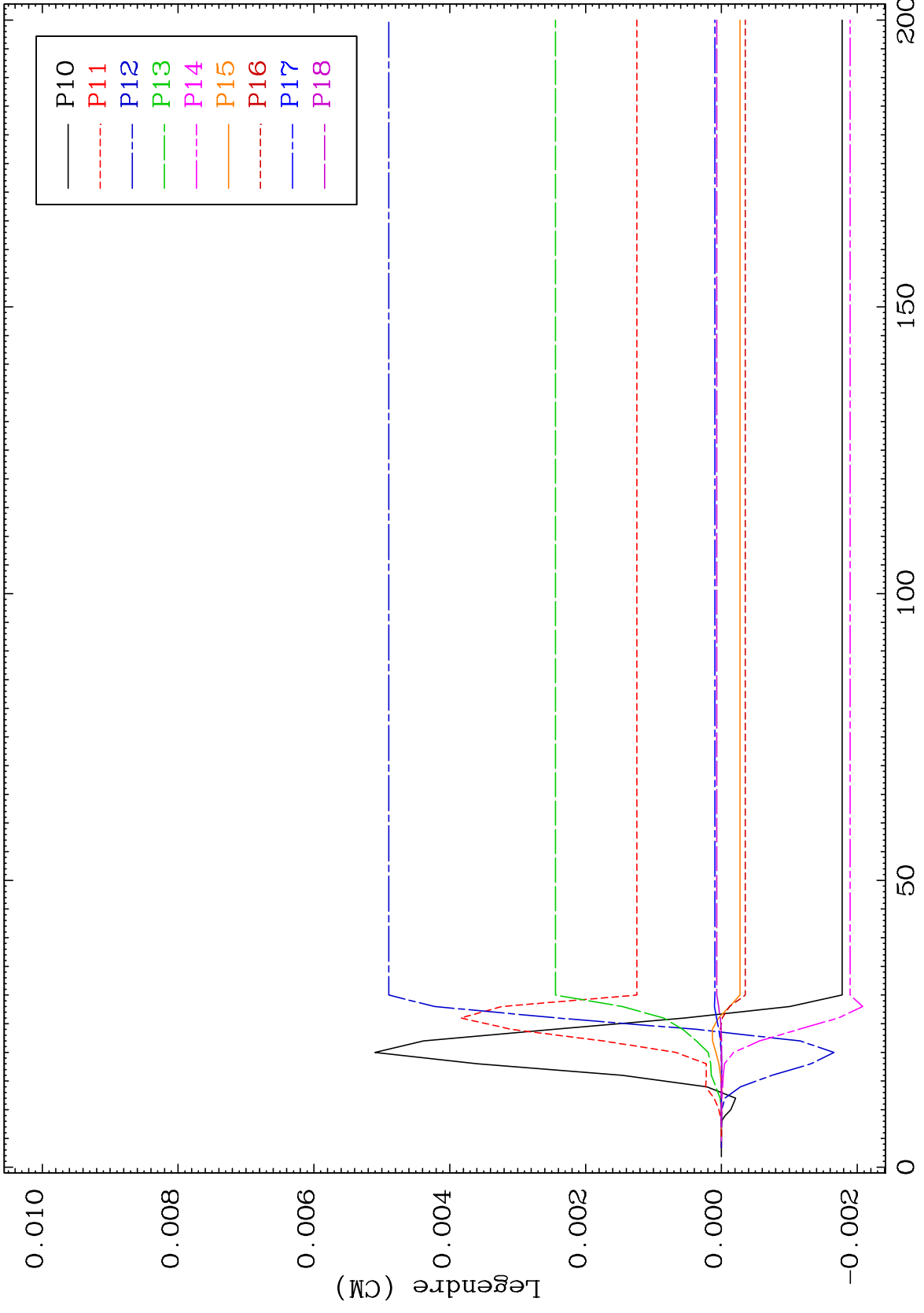
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



85

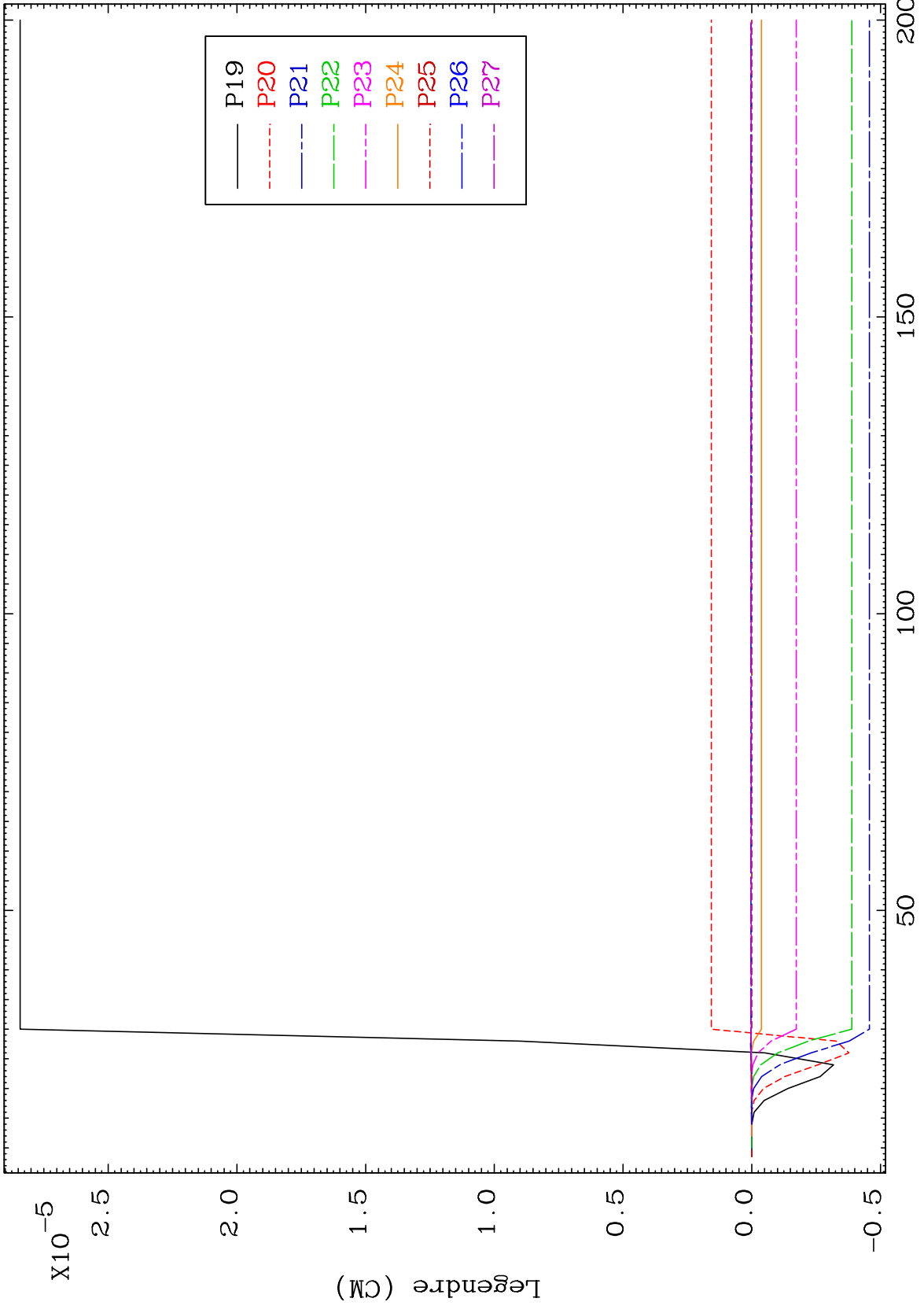
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



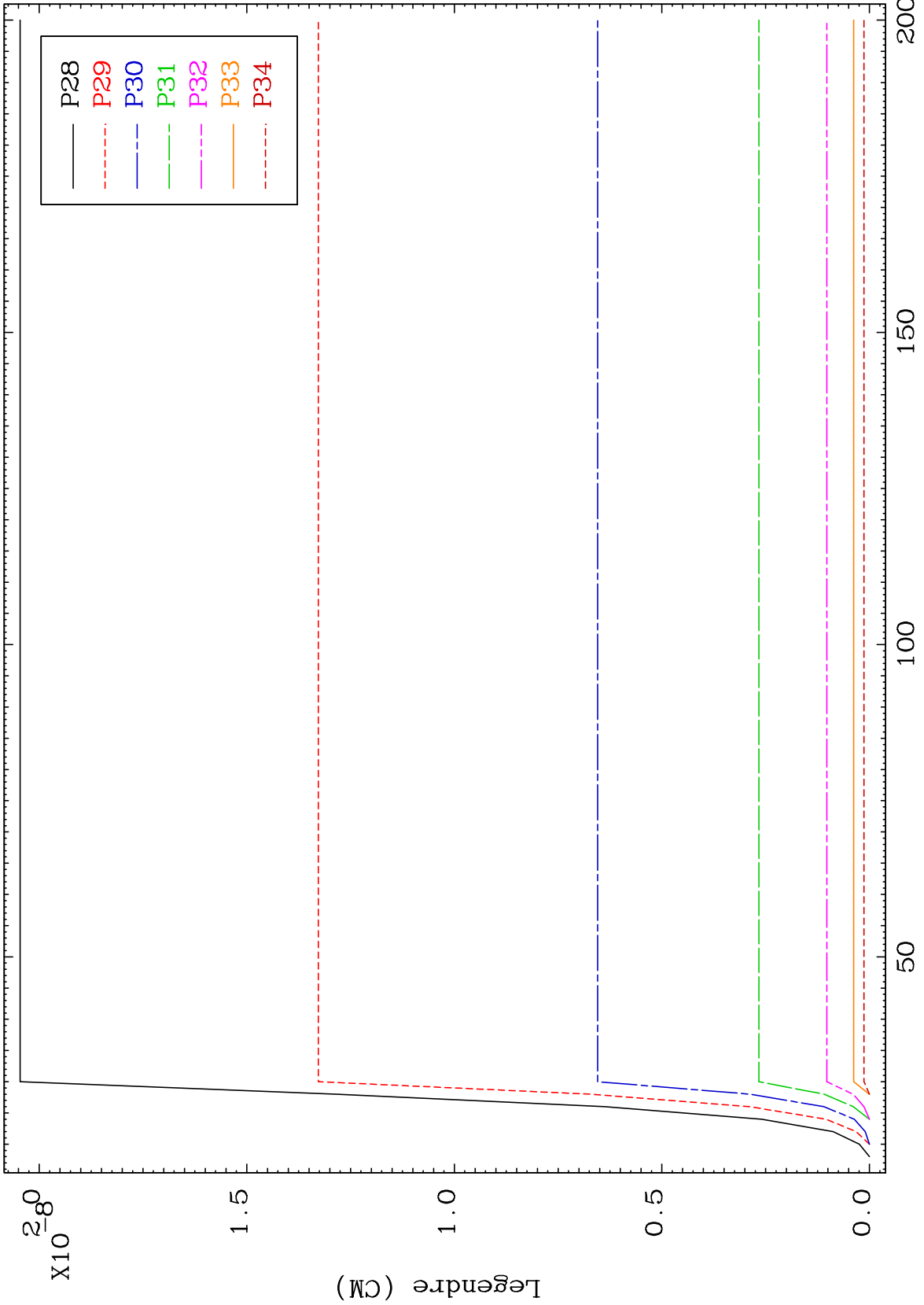
86

56-Ba-123

MAT 5604

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

56-Ba-123



87

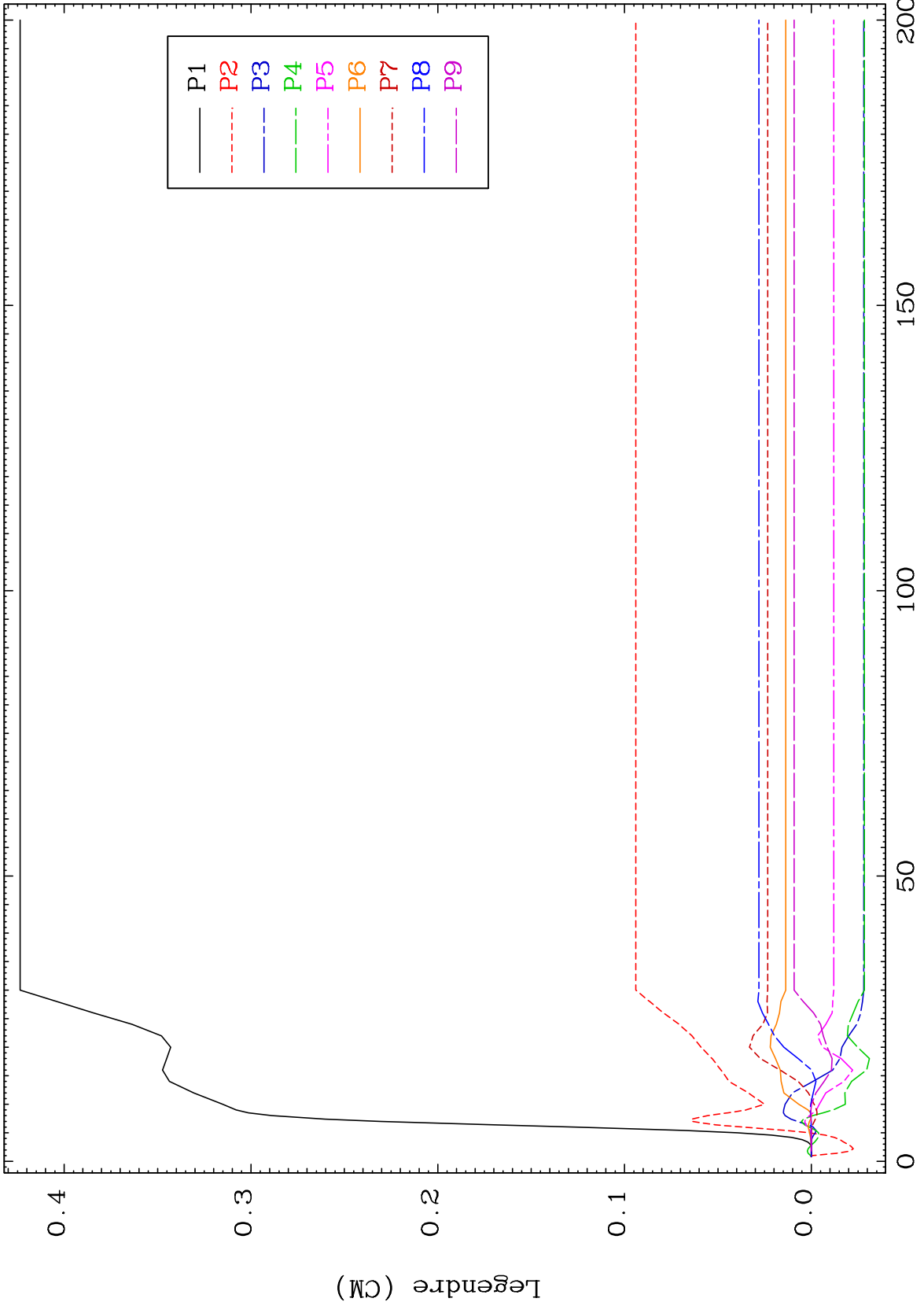
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



88

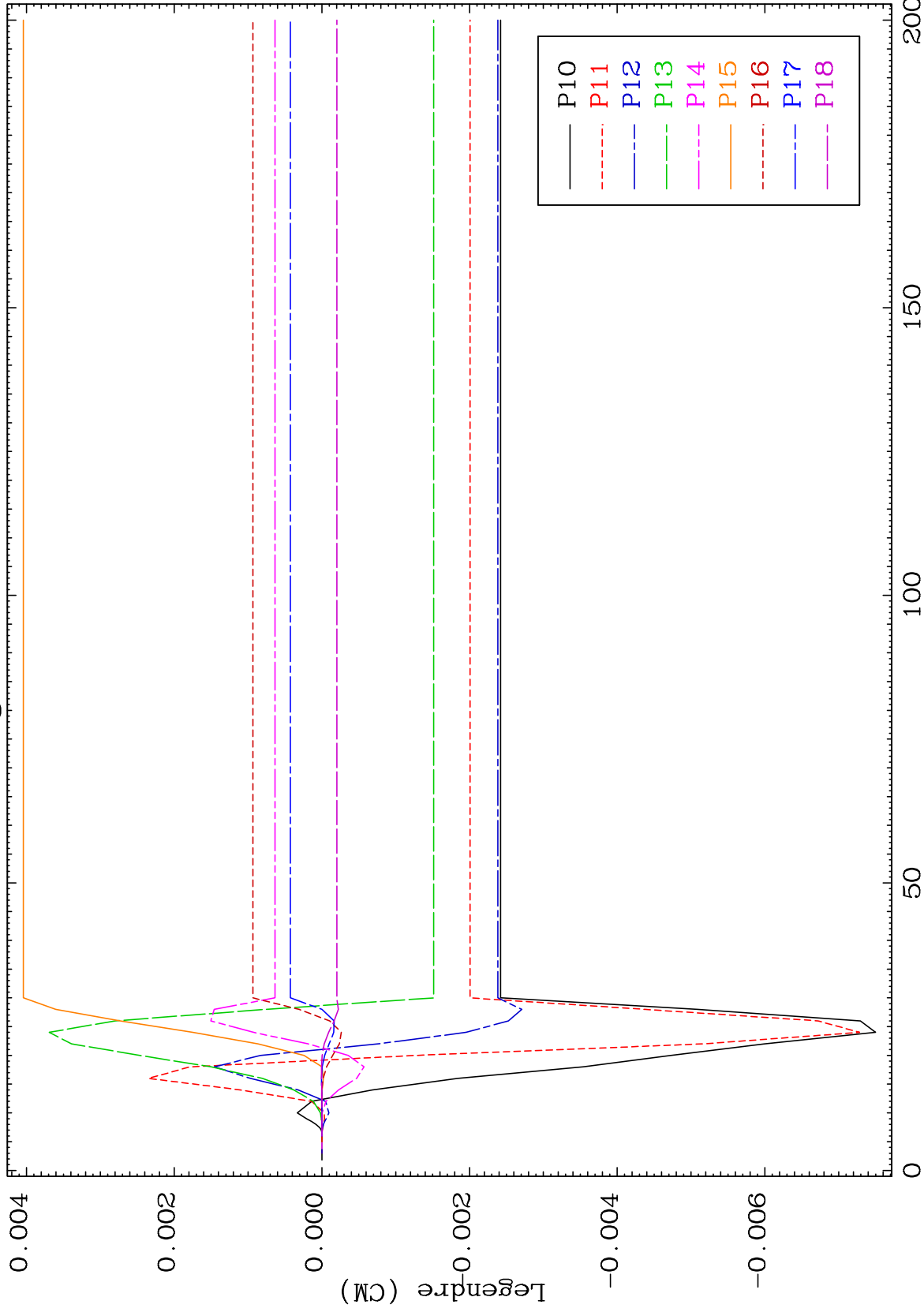
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



89

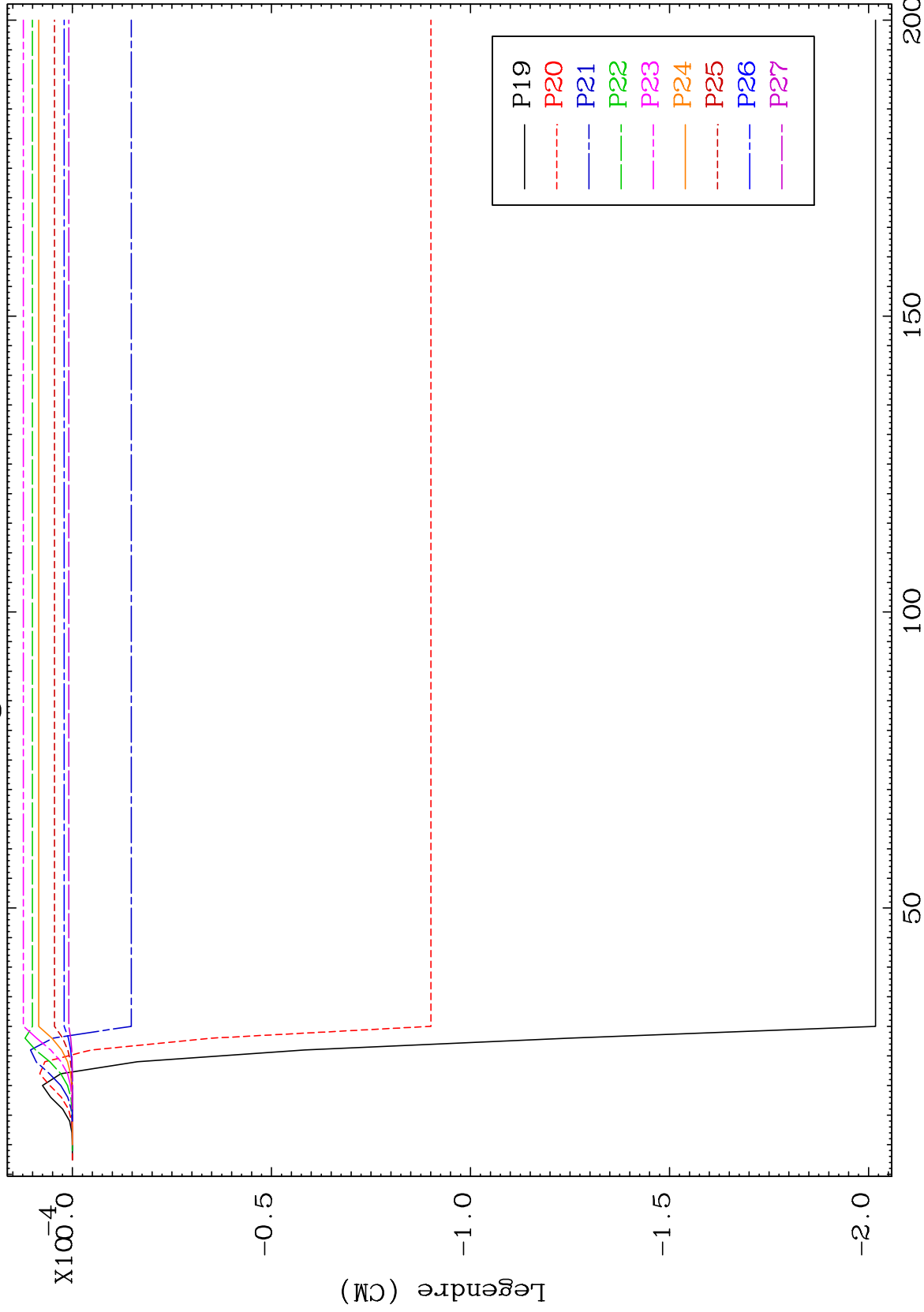
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



90

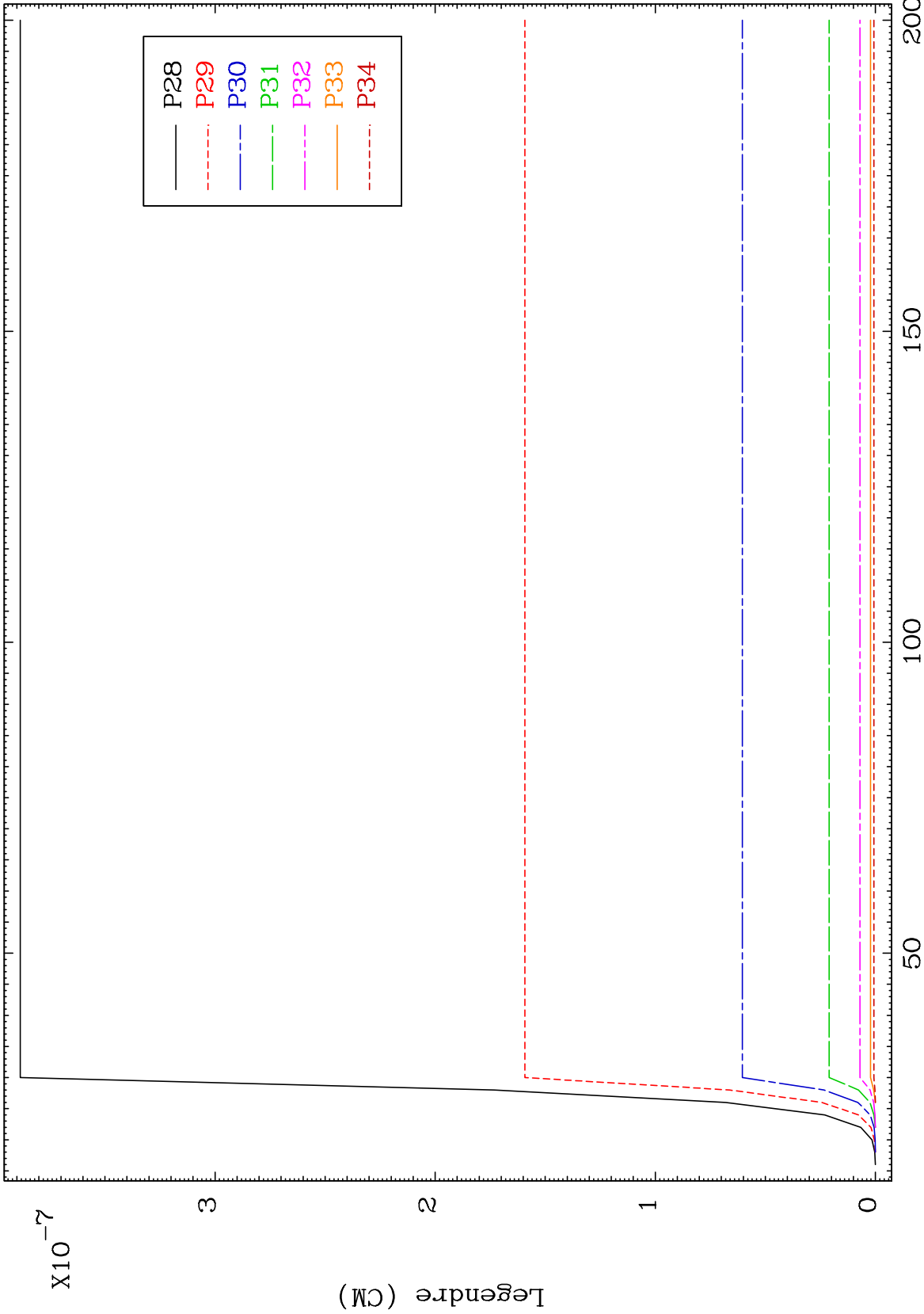
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



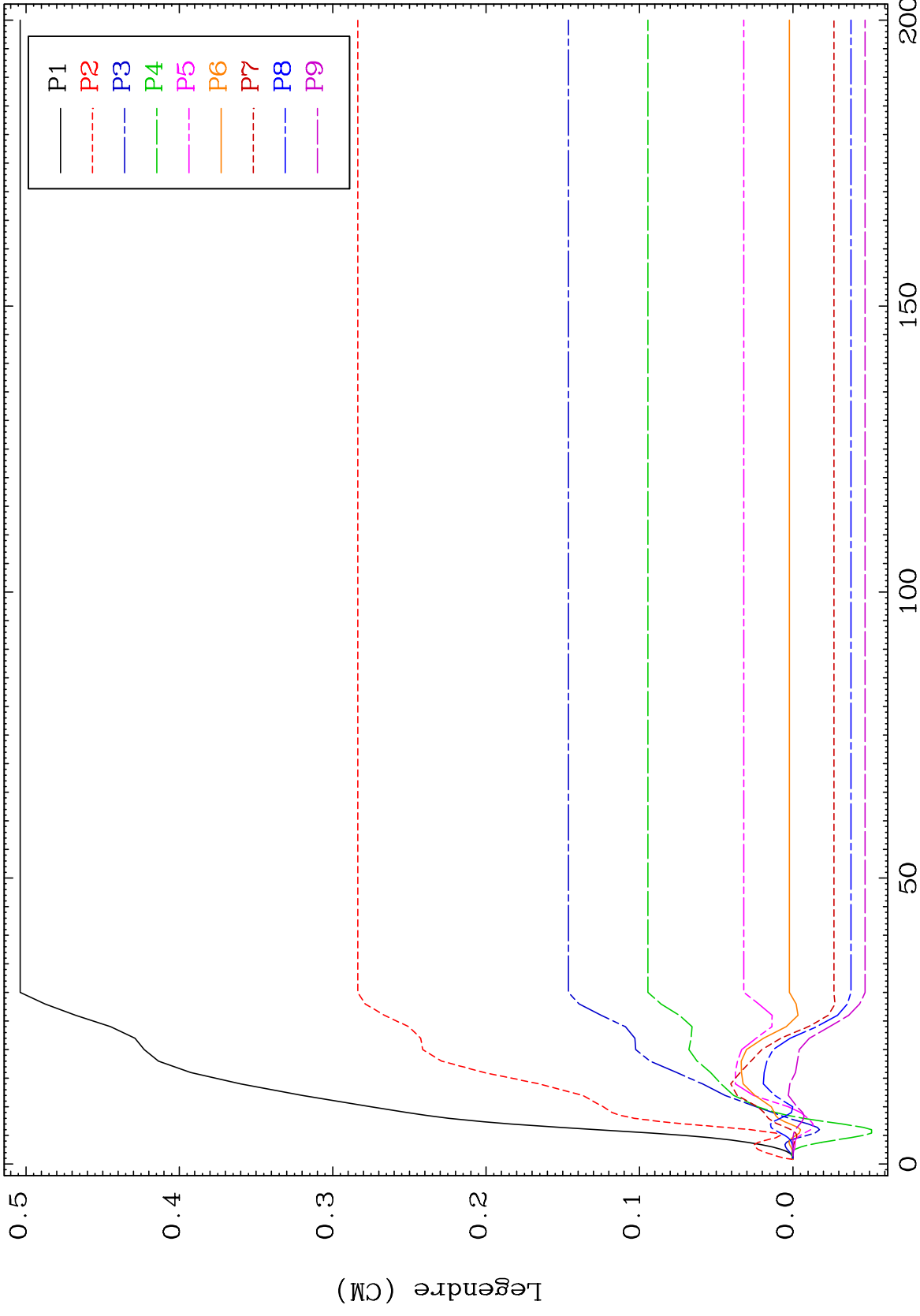
91

56-Ba-123

MAT 5604

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

56-Ba-123



92

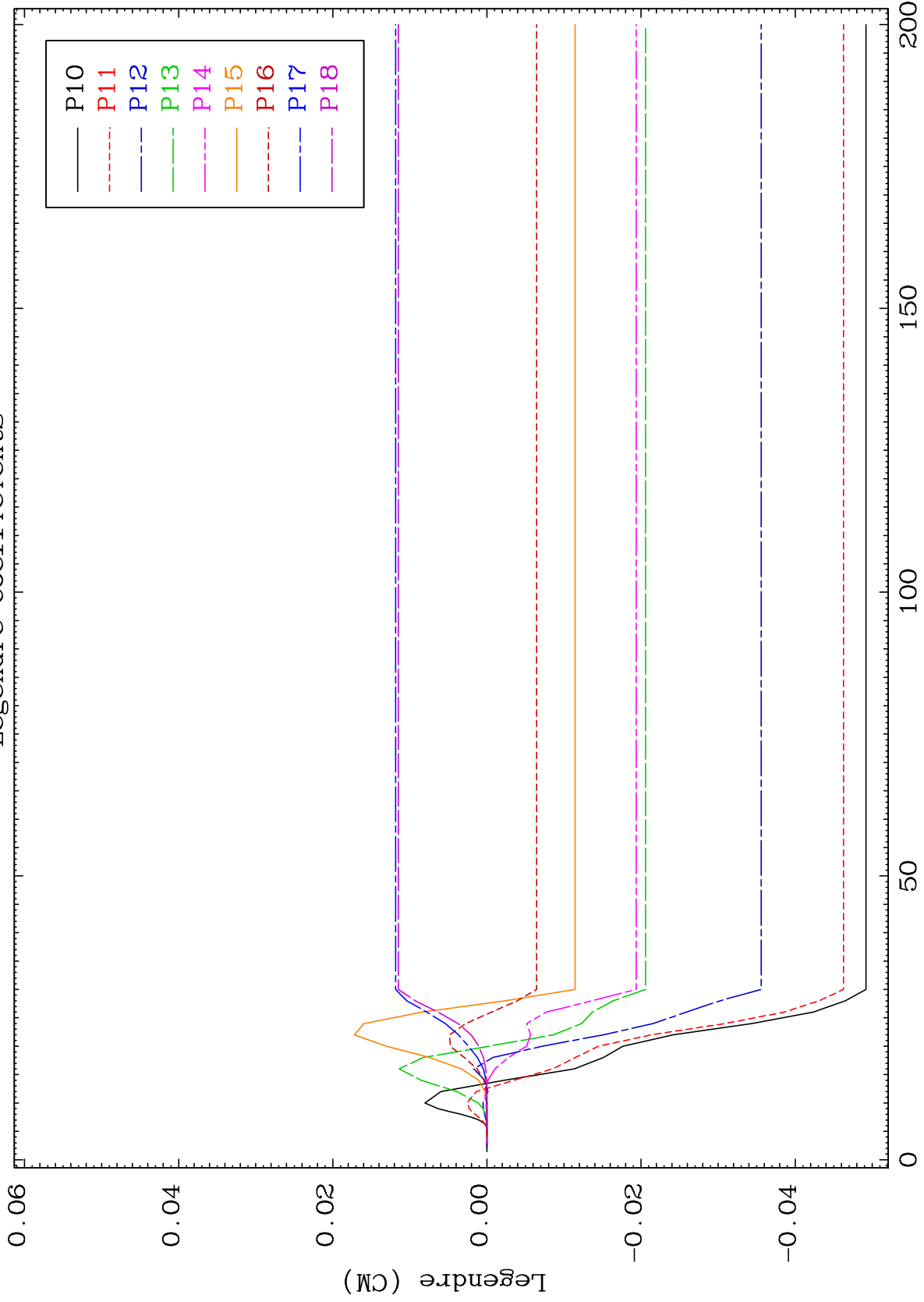
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



93

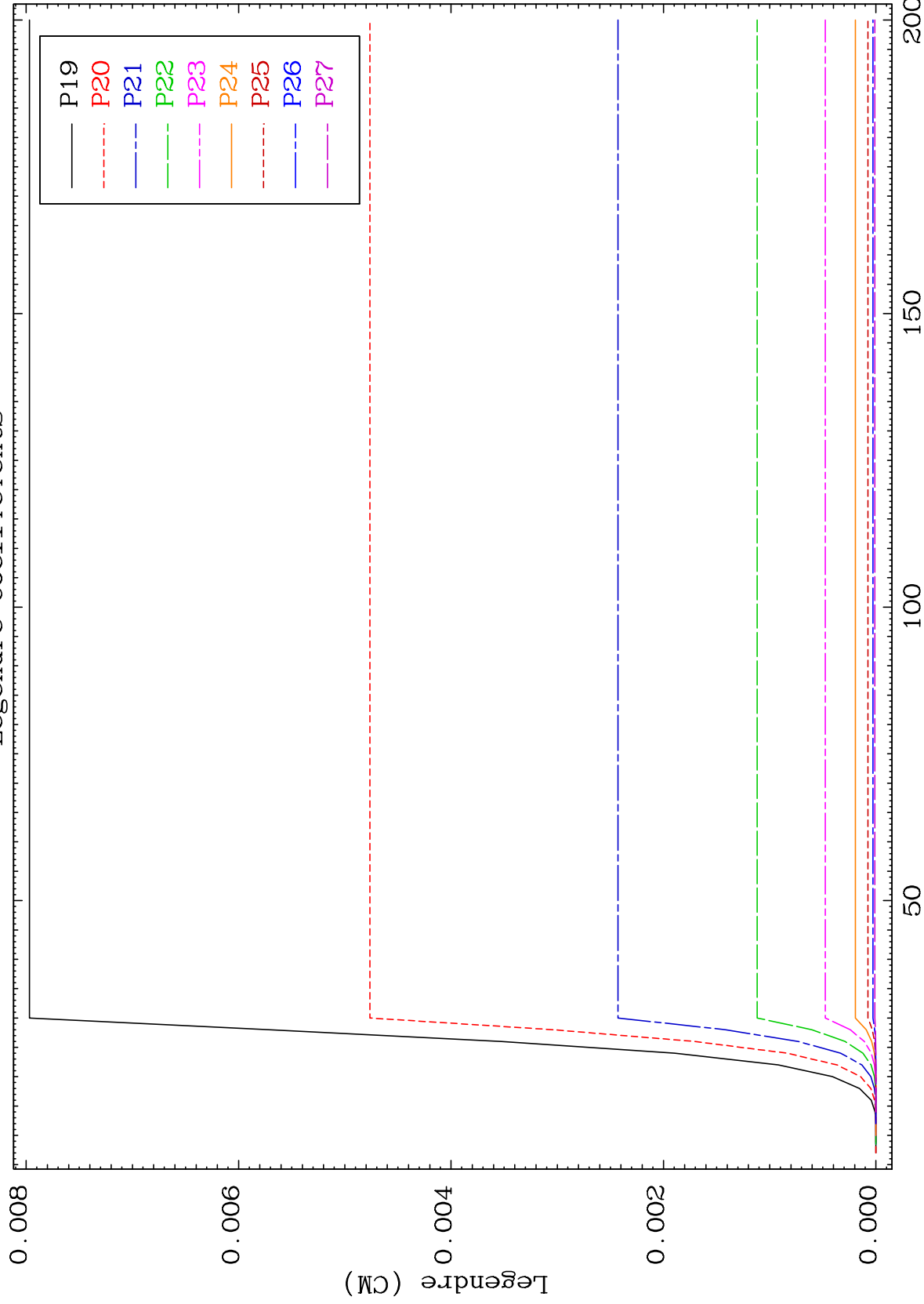
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



94

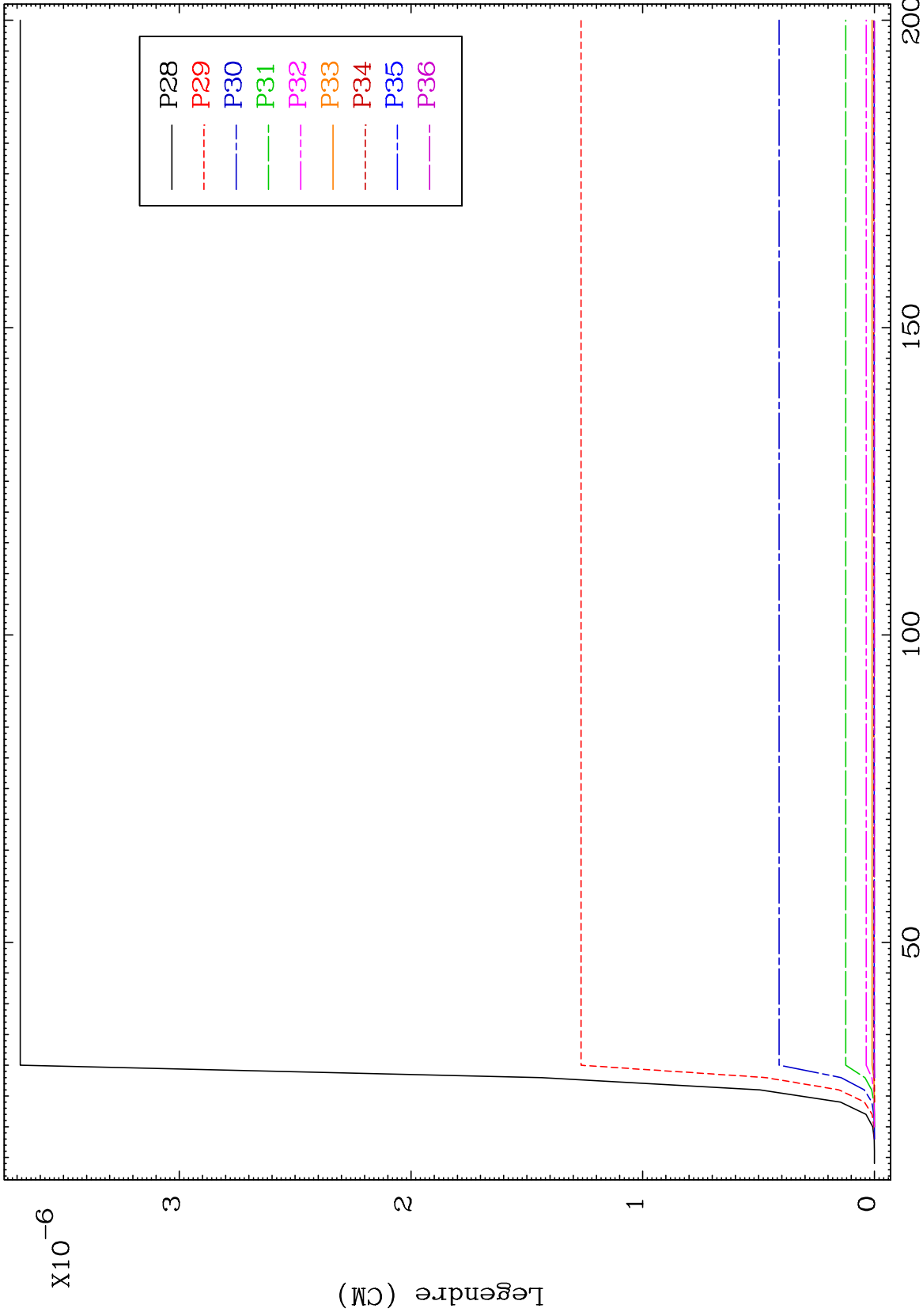
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



95

Incident Energy (MeV)

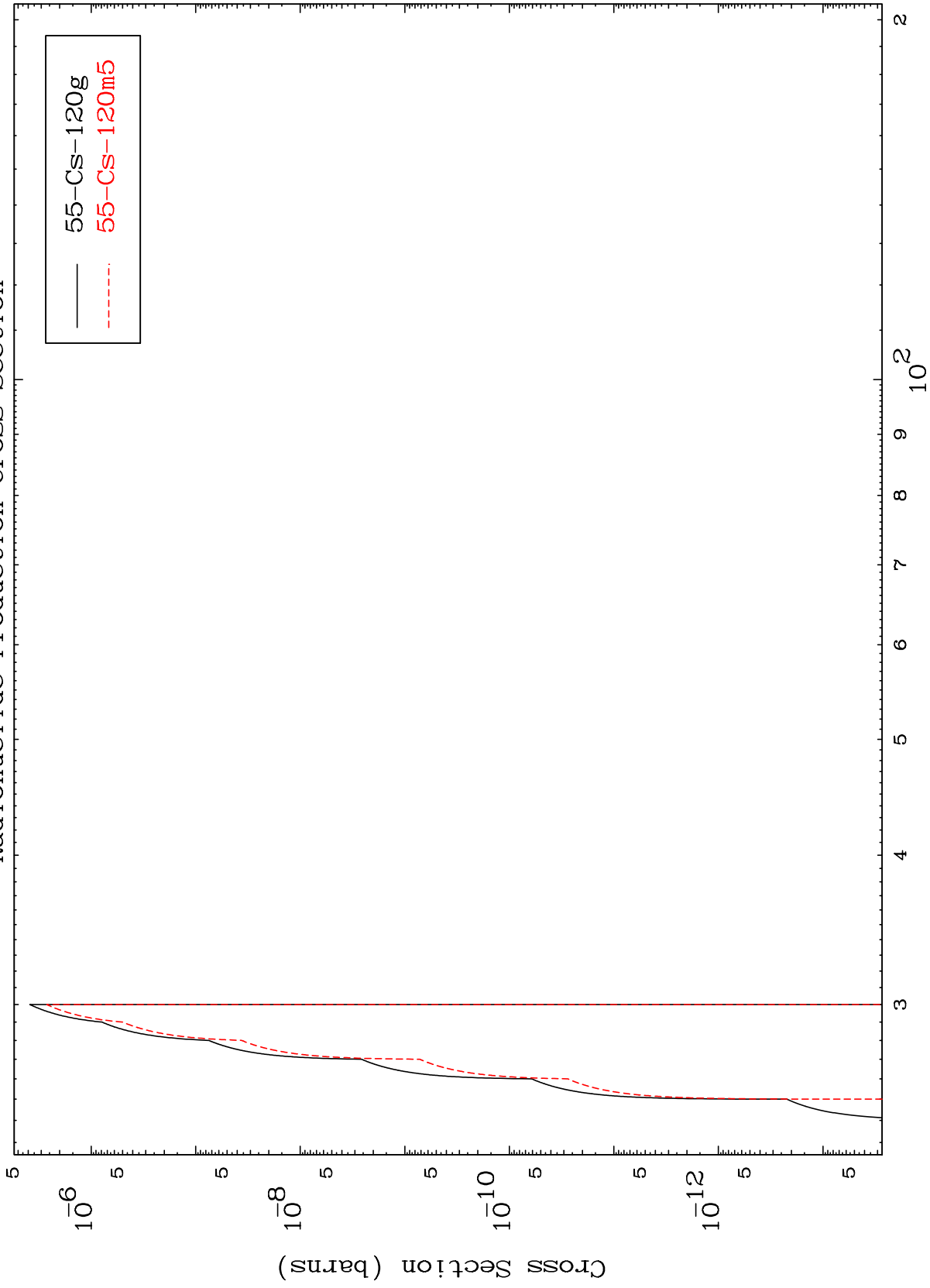
56-Ba-123

MAT 5604

(n,2n) d

56-Ba-123

Radionuclide Production Cross Section



96

Incident Energy (MeV)

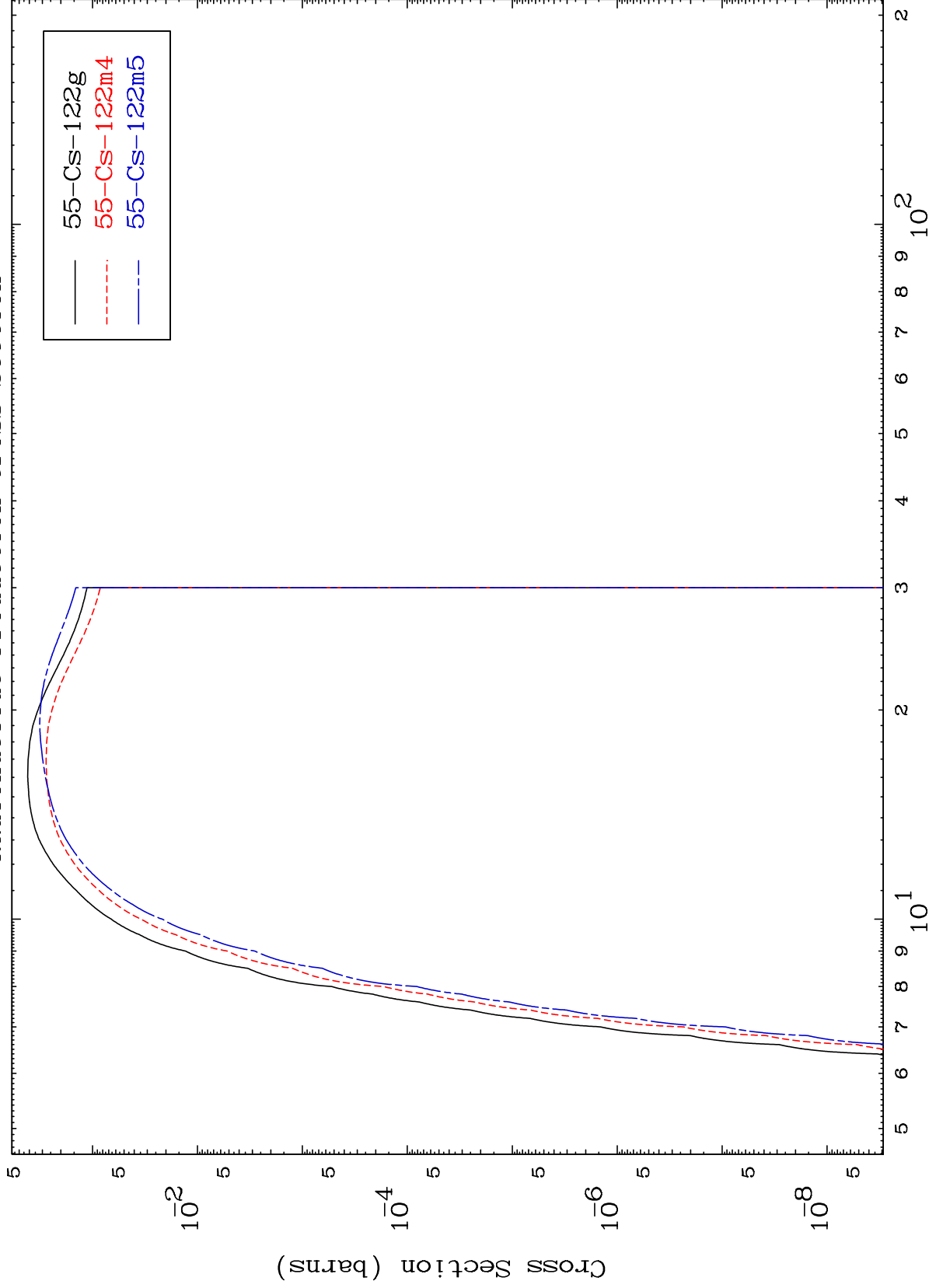
56-Ba-123

MAT 5604

(n,n') p

56-Ba-123

Radionuclide Production Cross Section



97

Incident Energy (MeV)

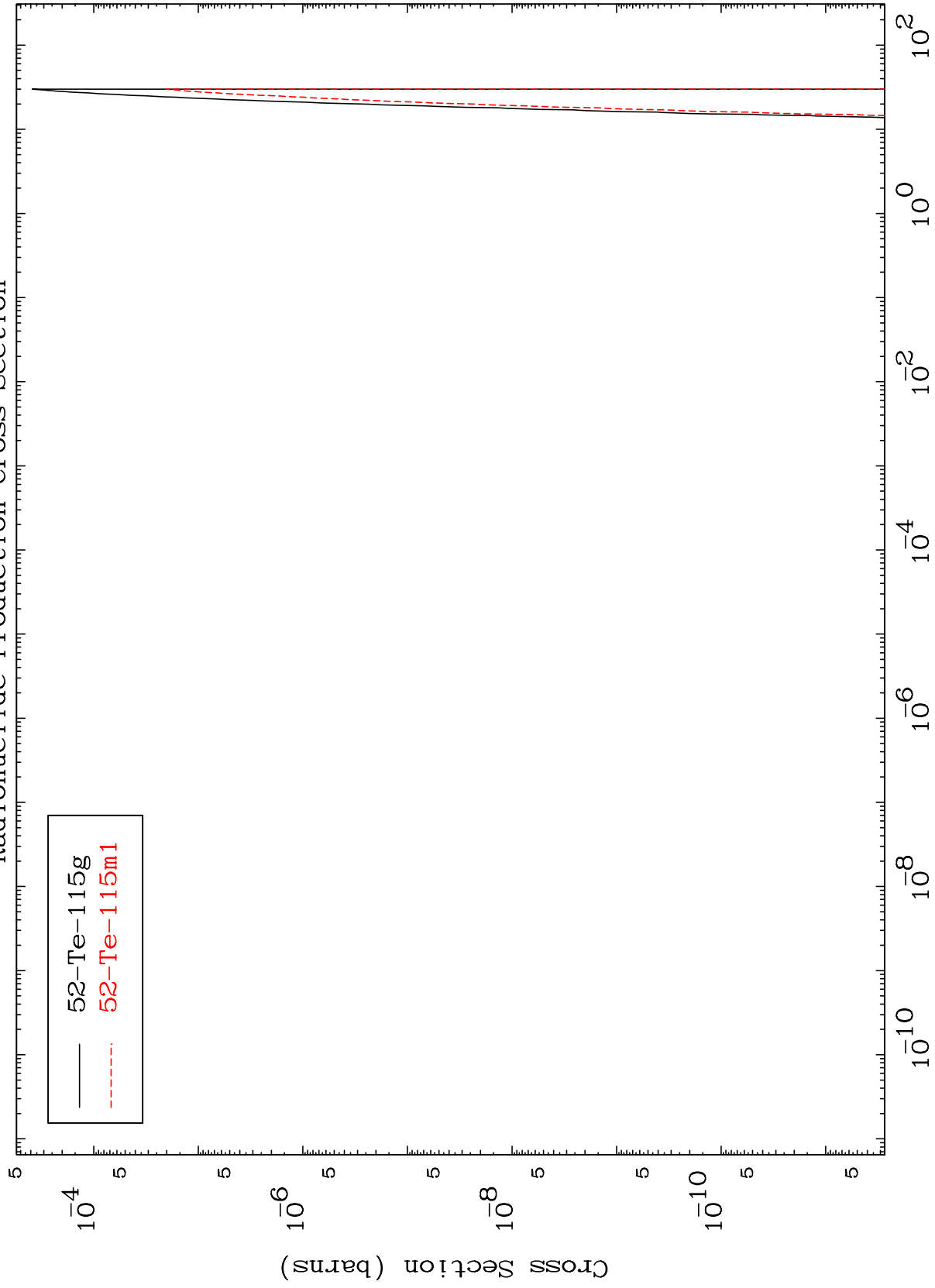
56-Ba-123

MAT 5604

(n,n') 2 α

56-Ba-123

Radionuclide Production Cross Section



98

Incident Energy (MeV)

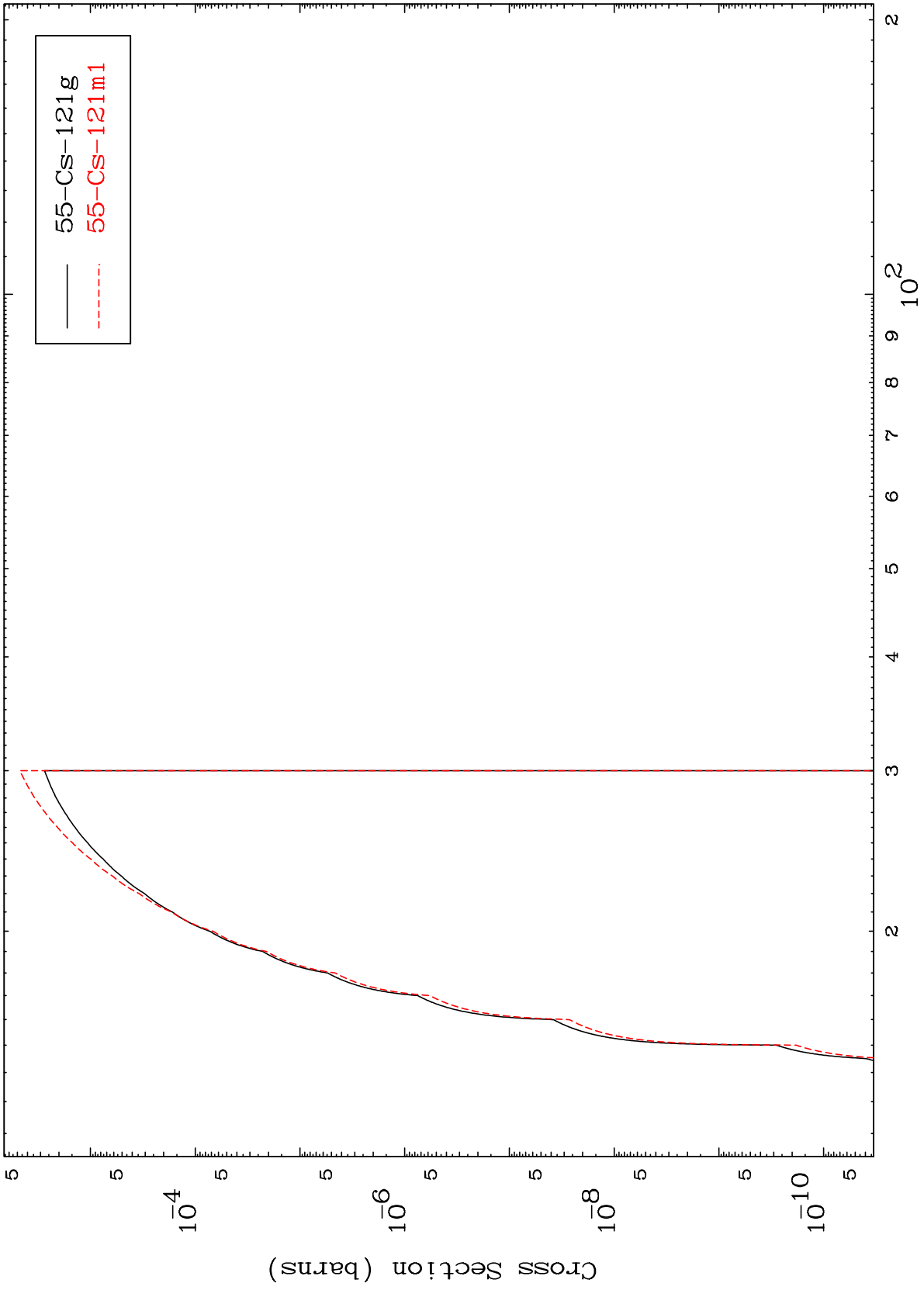
56-Ba-123

MAT 5604

(n,n') d

56-Ba-123

Radionuclide Production Cross Section



99

Incident Energy (MeV)

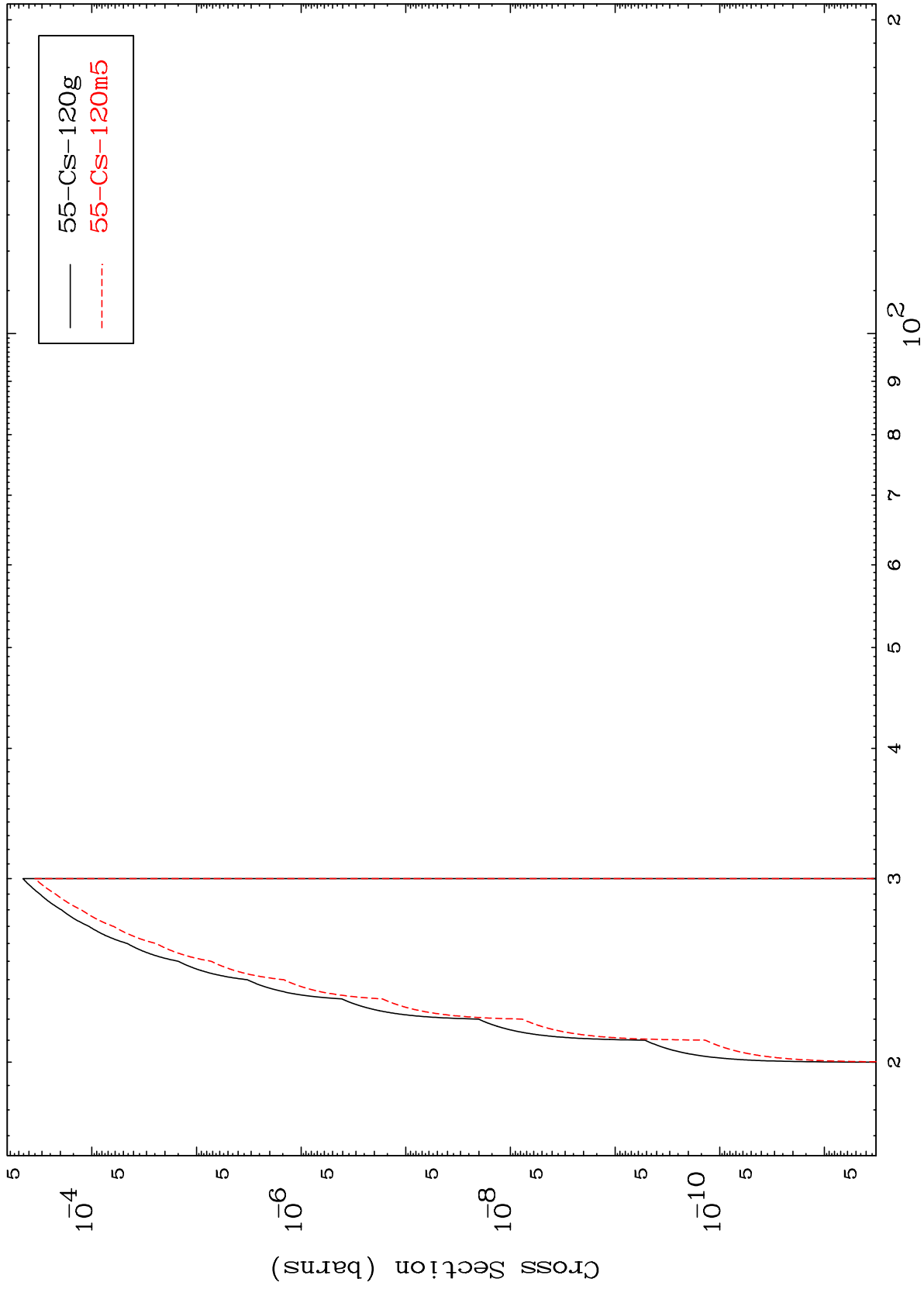
56-Ba-123

MAT 5604

(n,n') t

56-Ba-123

Radionuclide Production Cross Section



100

Incident Energy (MeV)

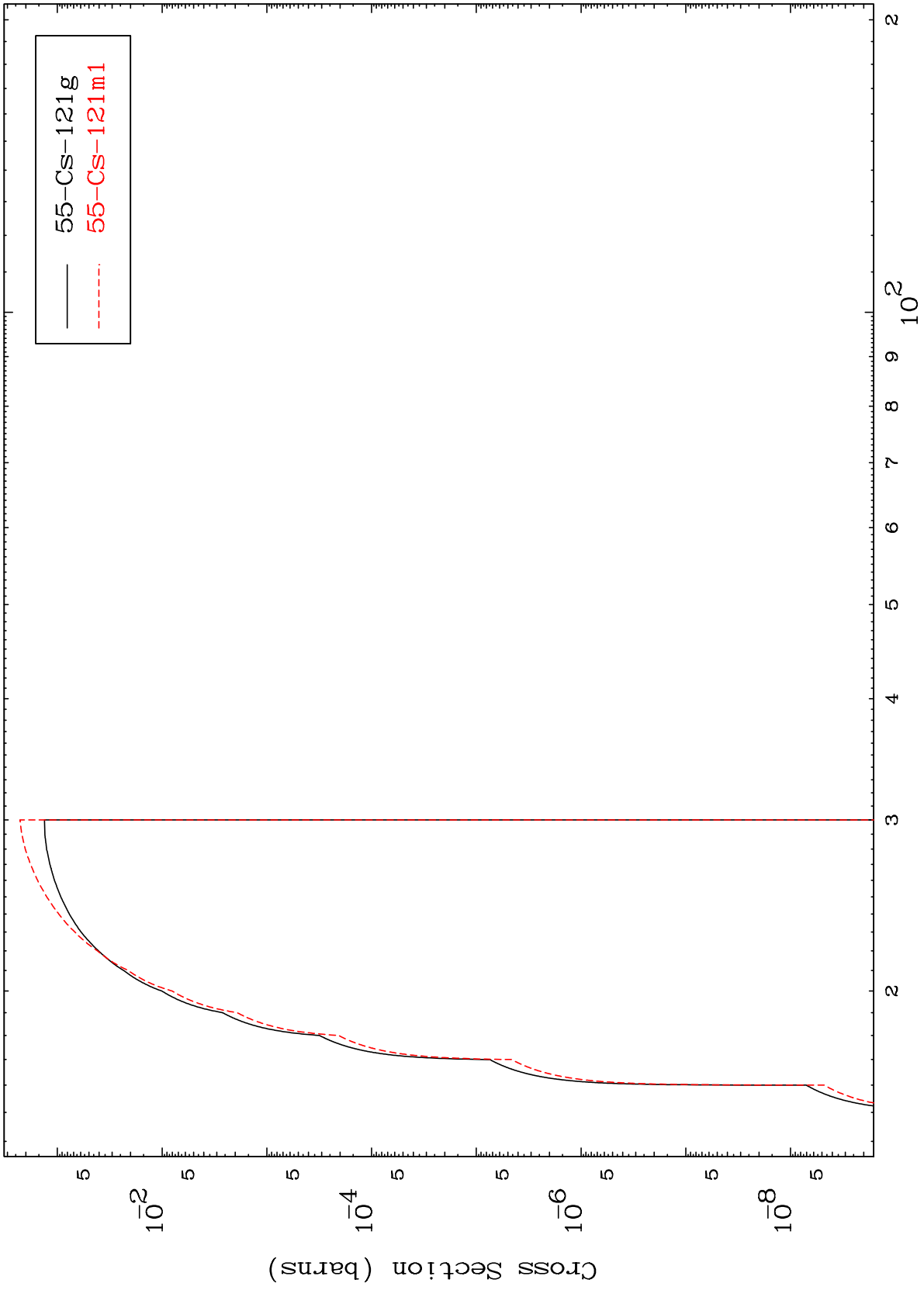
56-Ba-123

MAT 5604

(n,2n) p

56-Ba-123

Radionuclide Production Cross Section



101

Incident Energy (MeV)

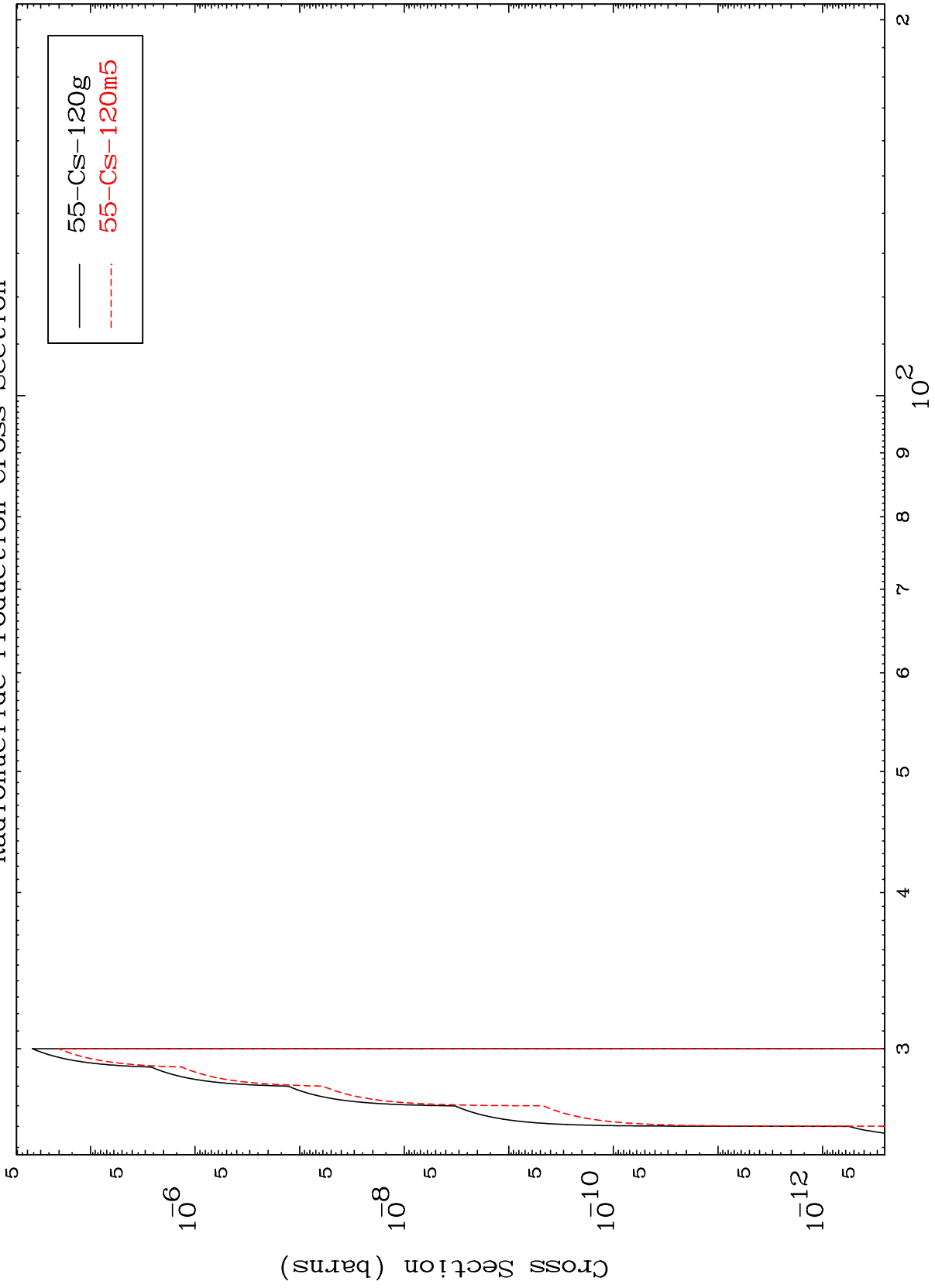
56-Ba-123

MAT 5604

(n,3n) p

56-Ba-123

Radionuclide Production Cross Section



102

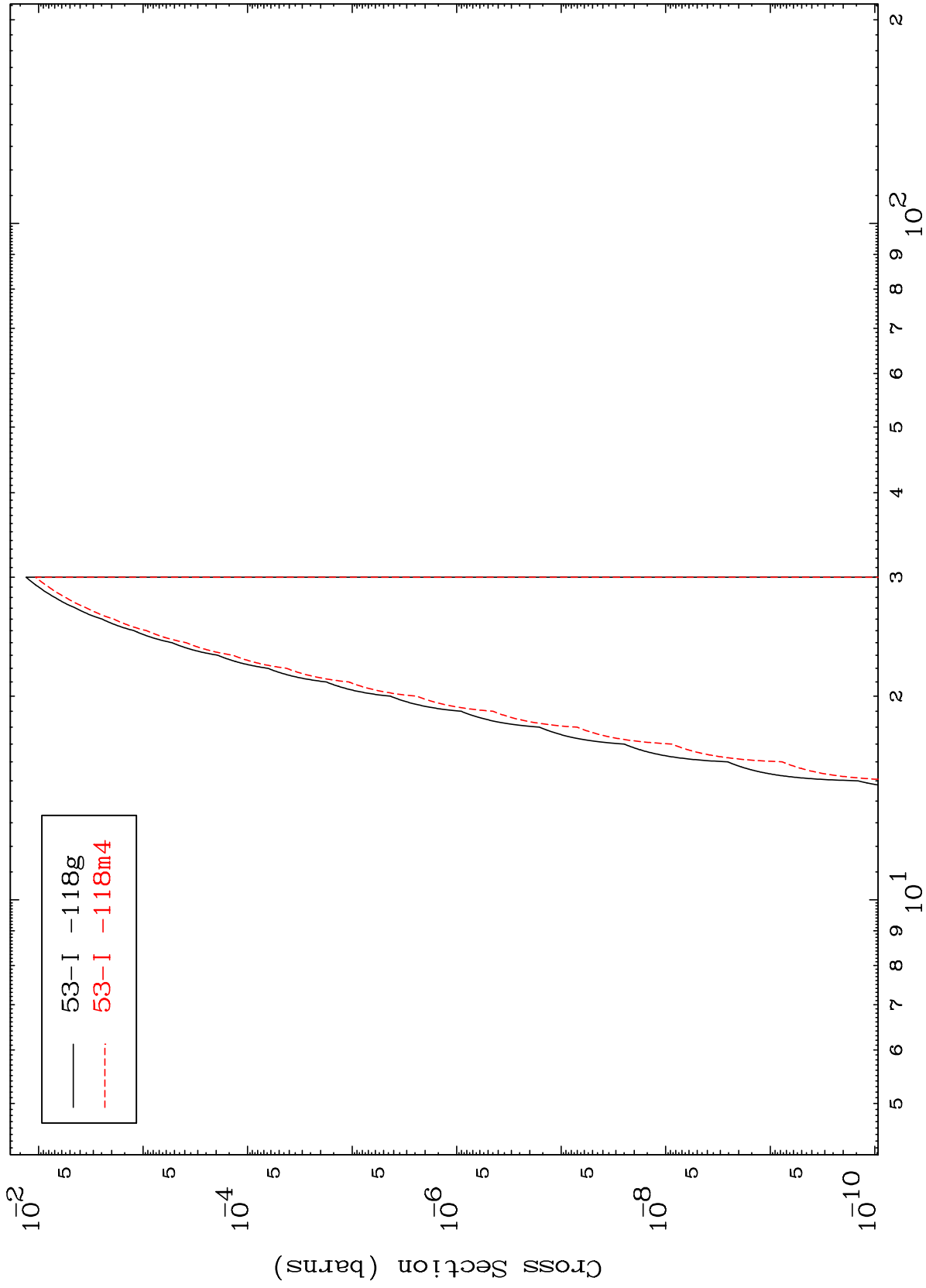
Incident Energy (MeV)

56-Ba-123

MAT 5604

56-Ba-123

(n,n') p α
Radionuclide Production Cross Section



103

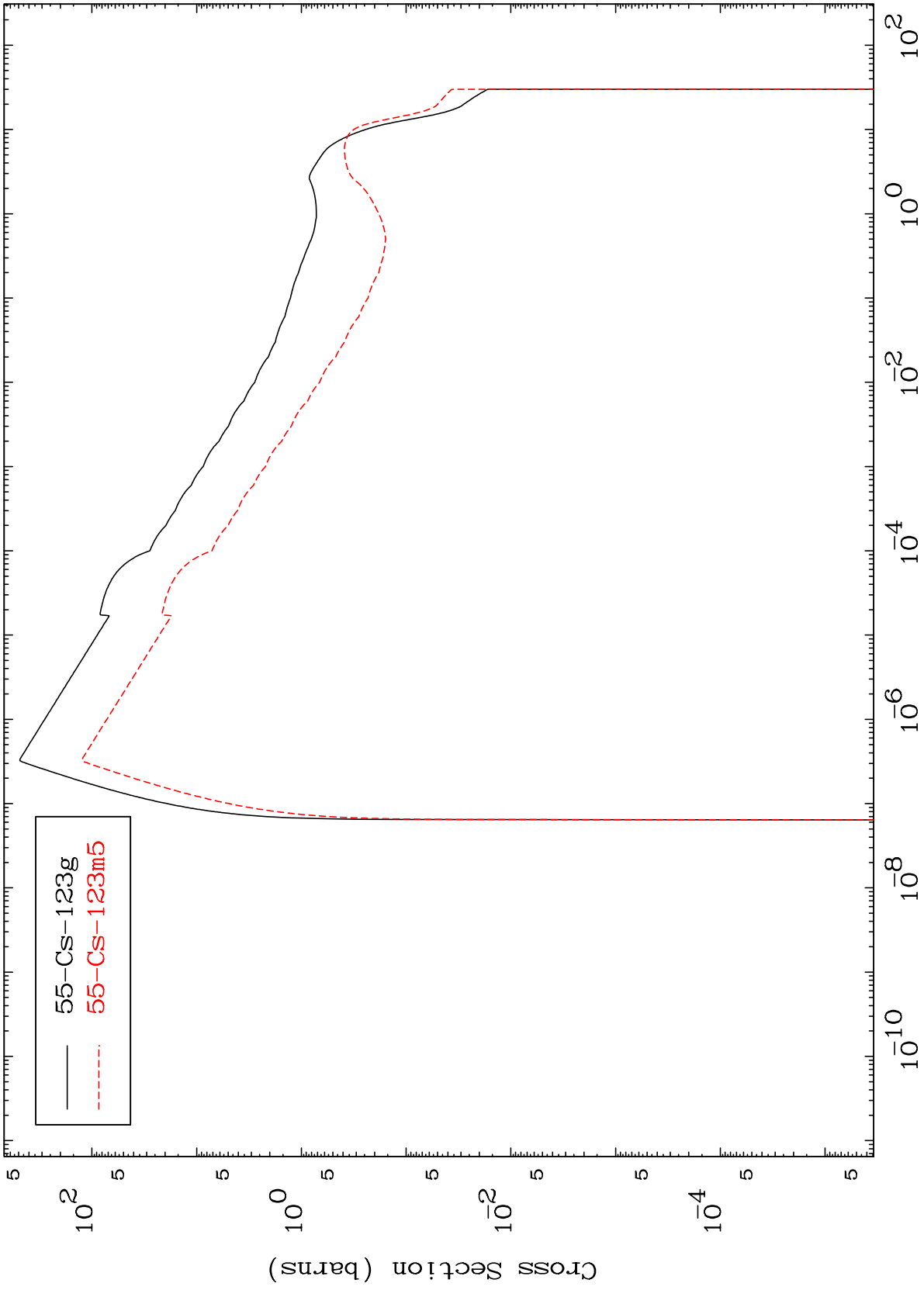
Incident Energy (MeV)

56-Ba-123

MAT 5604

Radionuclide Production Cross Section
(n,p)

56-Ba-123



— 55-Cs-123g
- - - 55-Cs-123m5

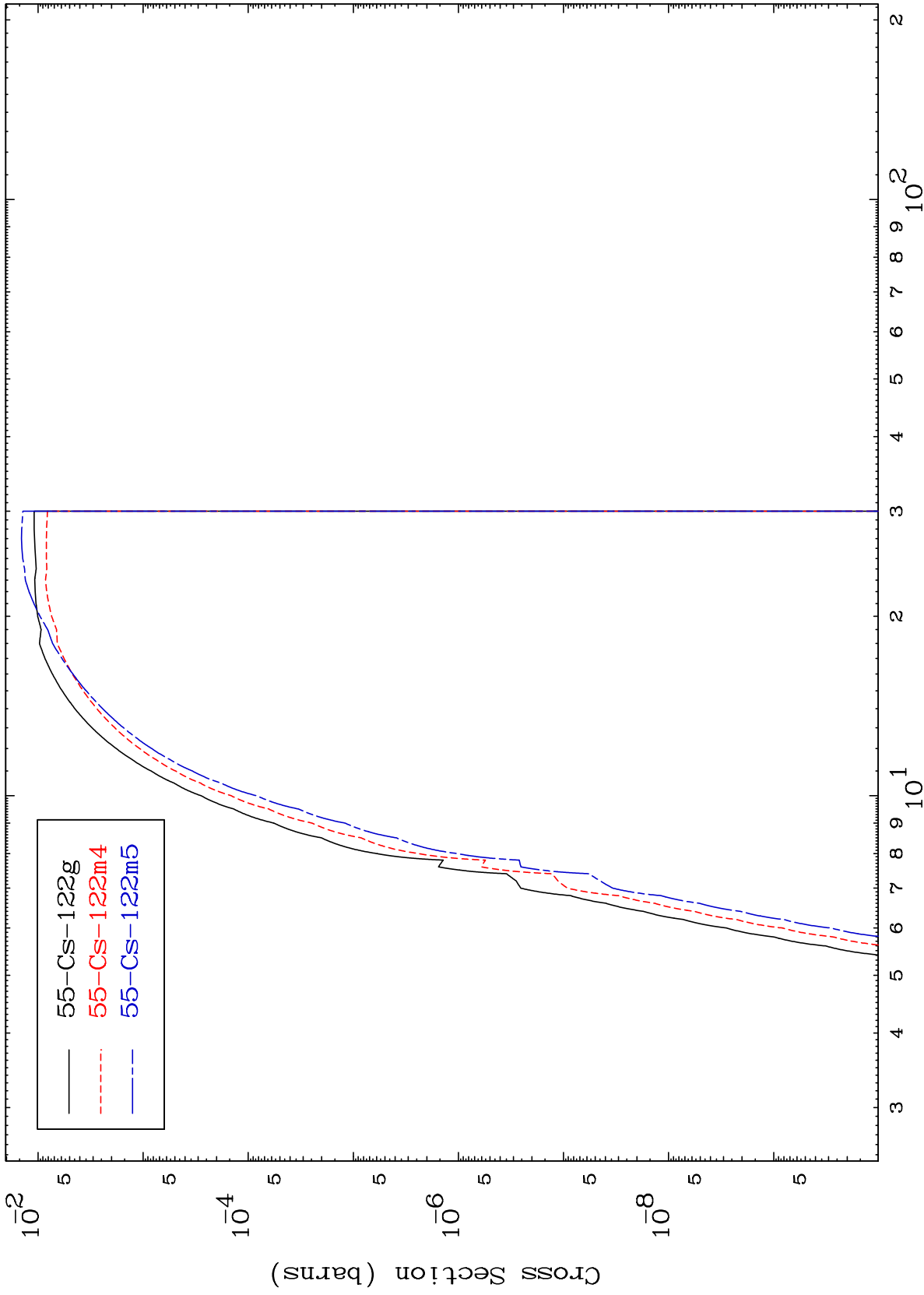
104

56-Ba-123

MAT 5604

56-Ba-123

(n,d)
Radionuclide Production Cross Section



105

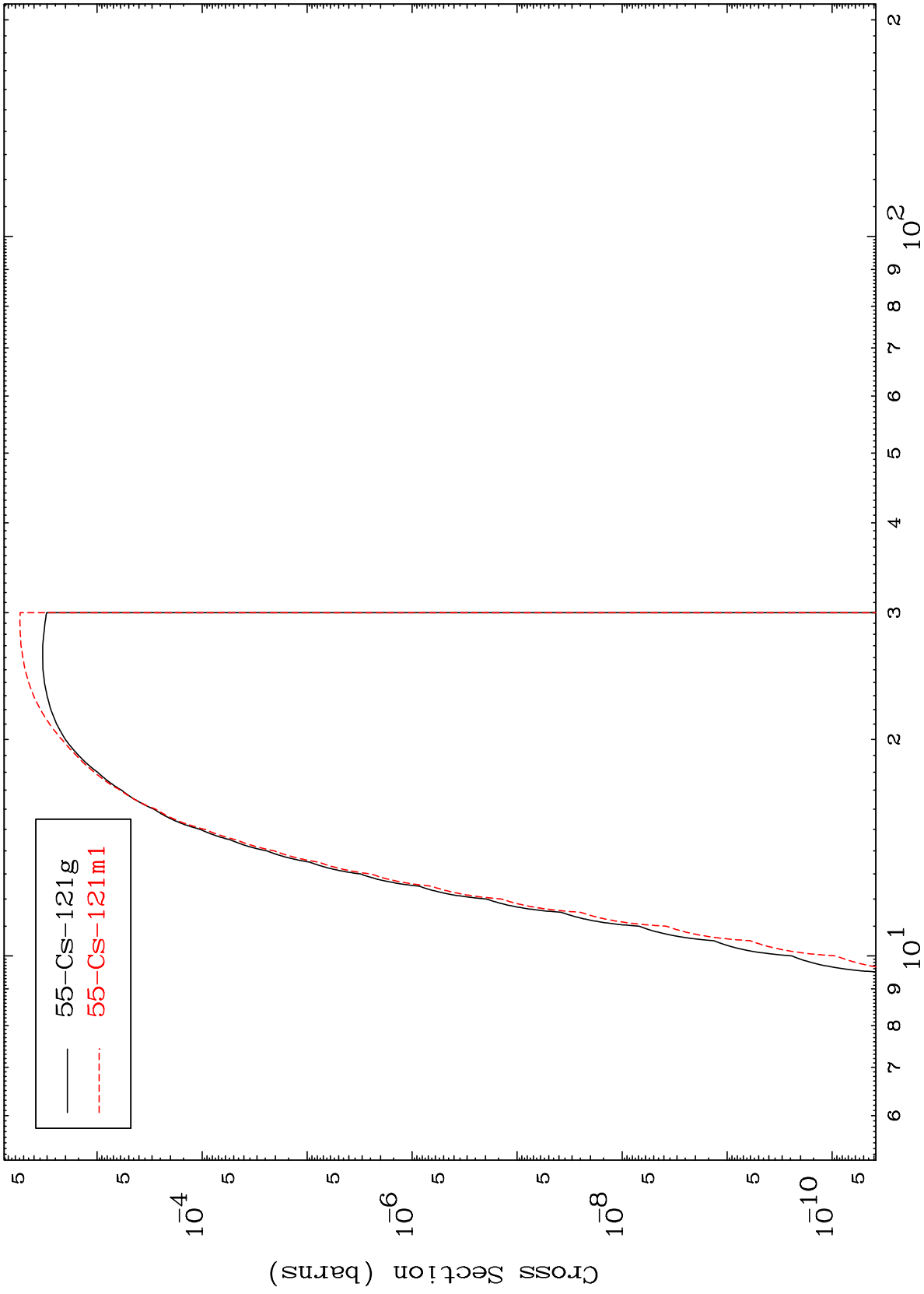
Incident Energy (MeV)

56-Ba-123

MAT 5604

56-Ba-123

(n, t)
Radionuclide Production Cross Section



106

Incident Energy (MeV)

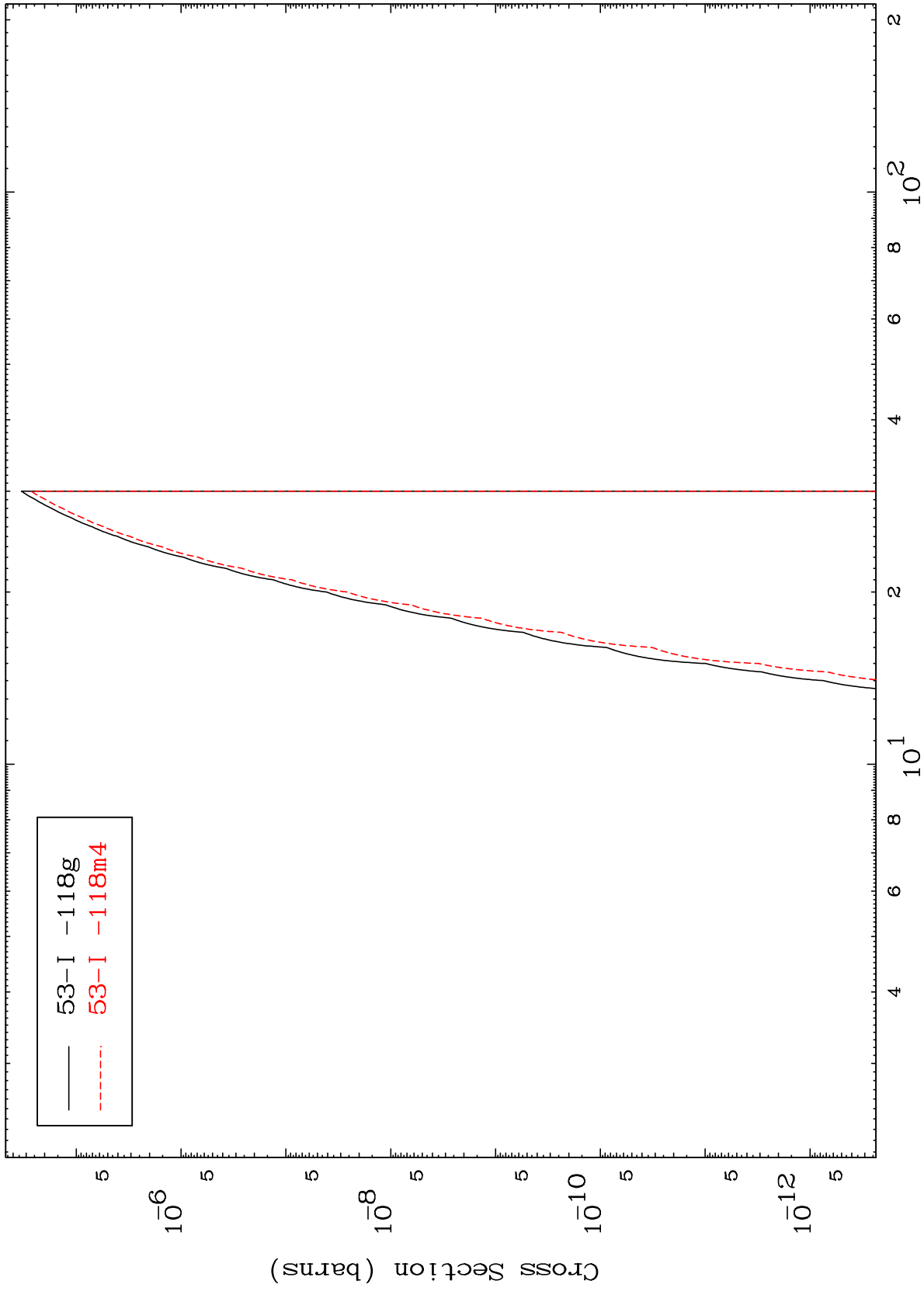
56-Ba-123

MAT 5604

(n,d) α

56-Ba-123

Radionuclide Production Cross Section



107

Incident Energy (MeV)

56-Ba-123