

Program EVALPLOT  
(Version 2021-1)

by

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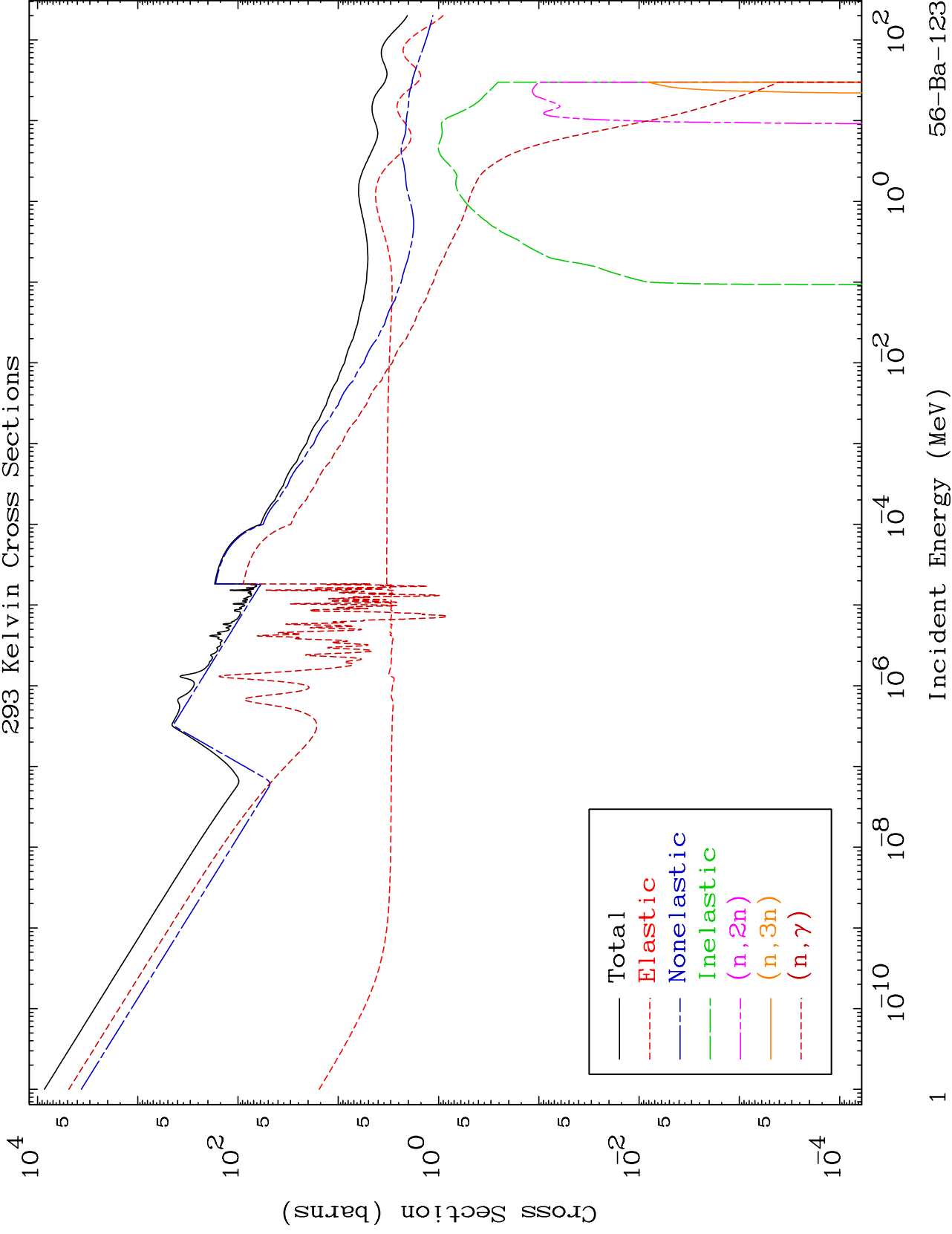
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Press Mouse Button to Start

MAT 5604

Neutron Major  
293 Kelvin Cross Sections

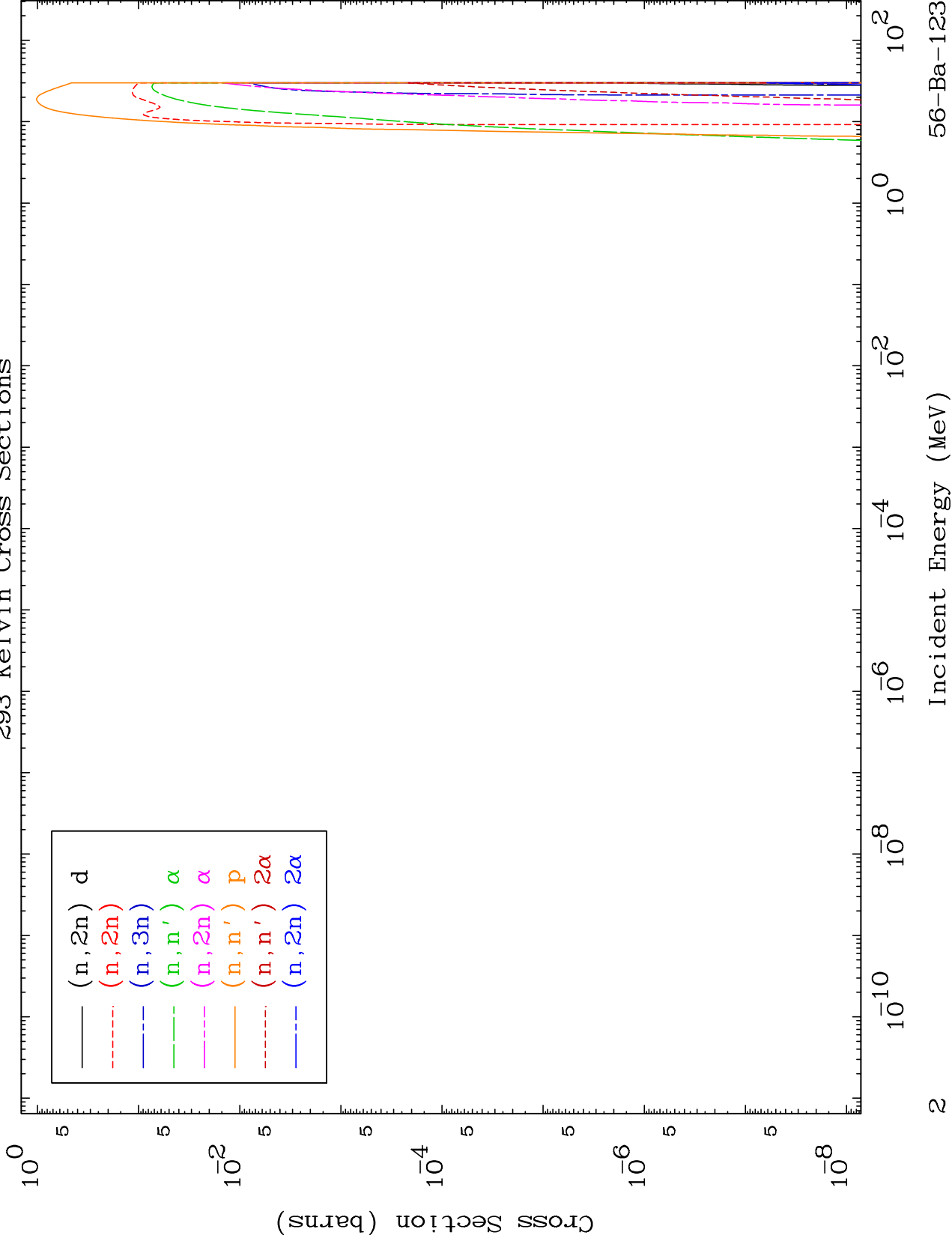
56-Ba-123



MAT 5604

Neutron Absorption  
293 Kelvin Cross Sections

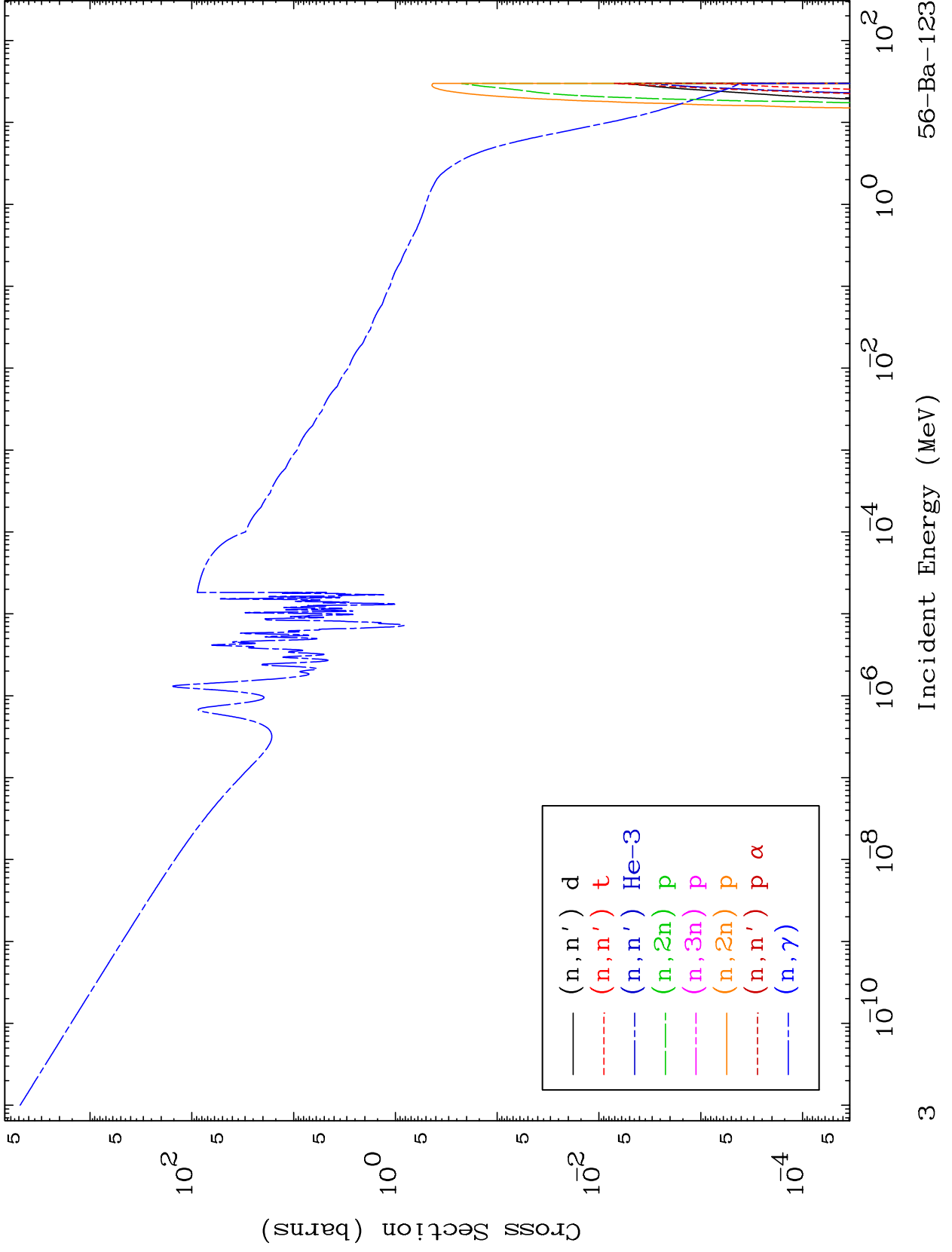
56-Ba-123



MAT 5604

Neutron Absorption  
293 Kelvin Cross Sections

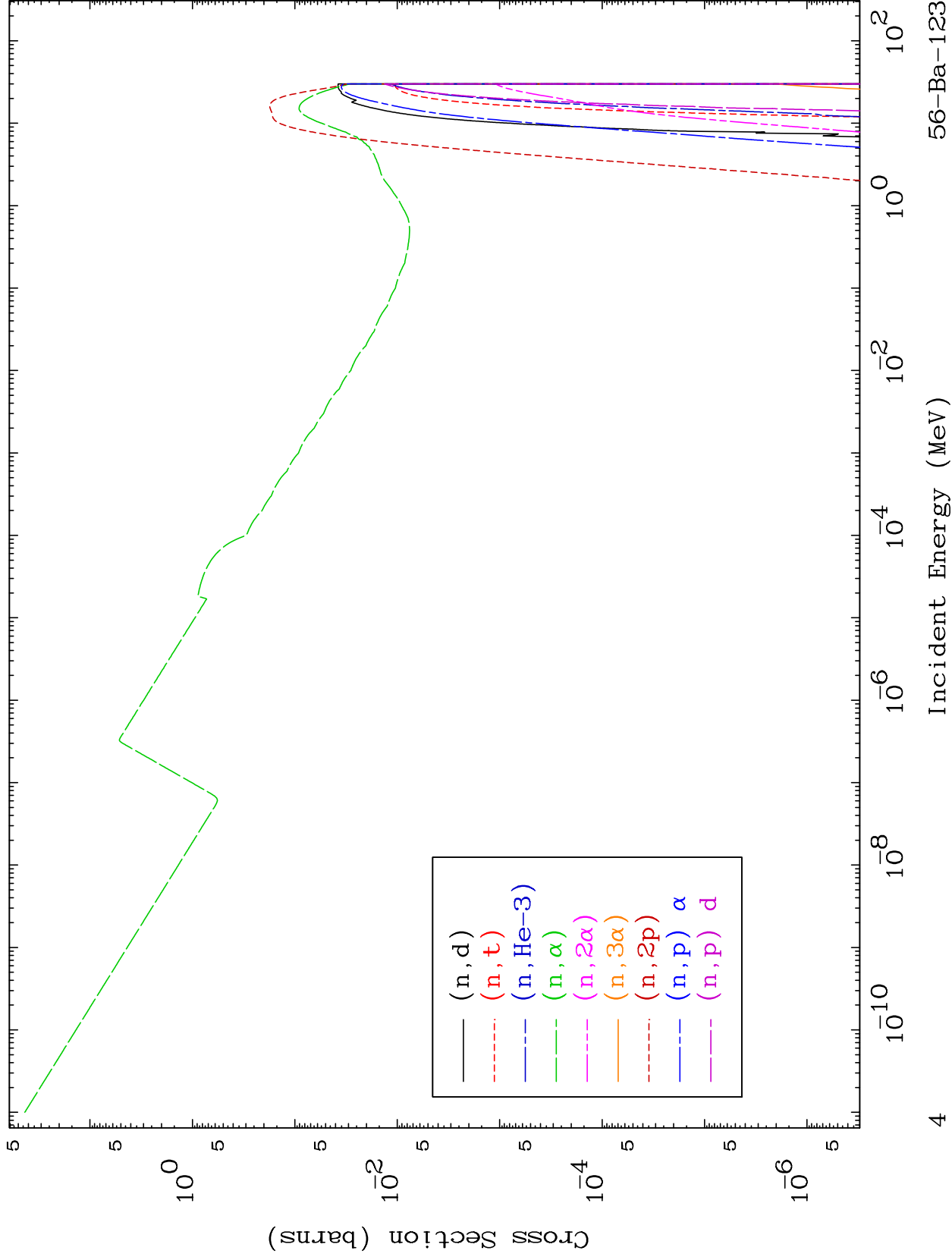
56-Ba-123



MAT 5604

Neutron Absorption  
293 Kelvin Cross Sections

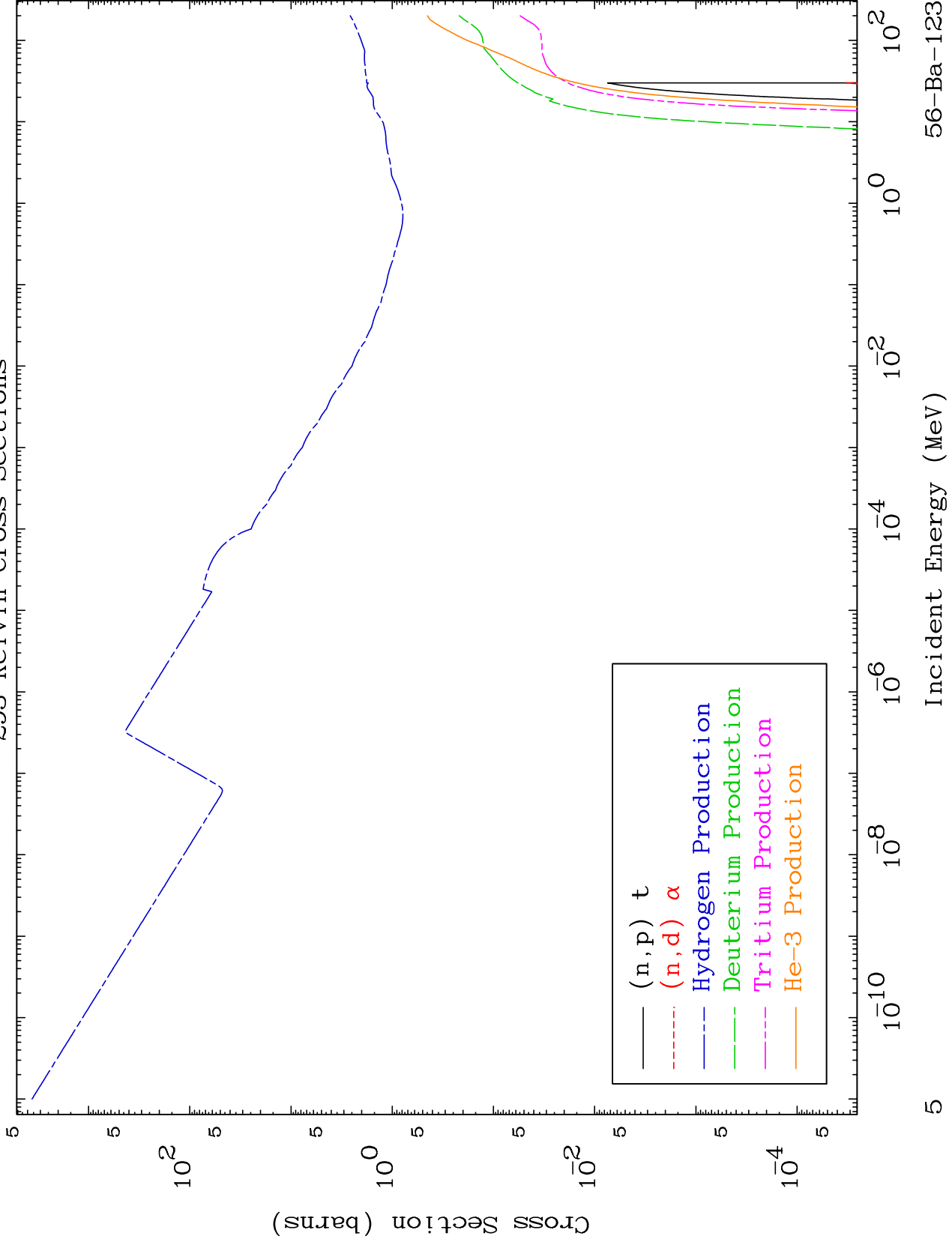
56-Ba-123



MAT 5604

Neutron Absorption  
293 Kelvin Cross Sections

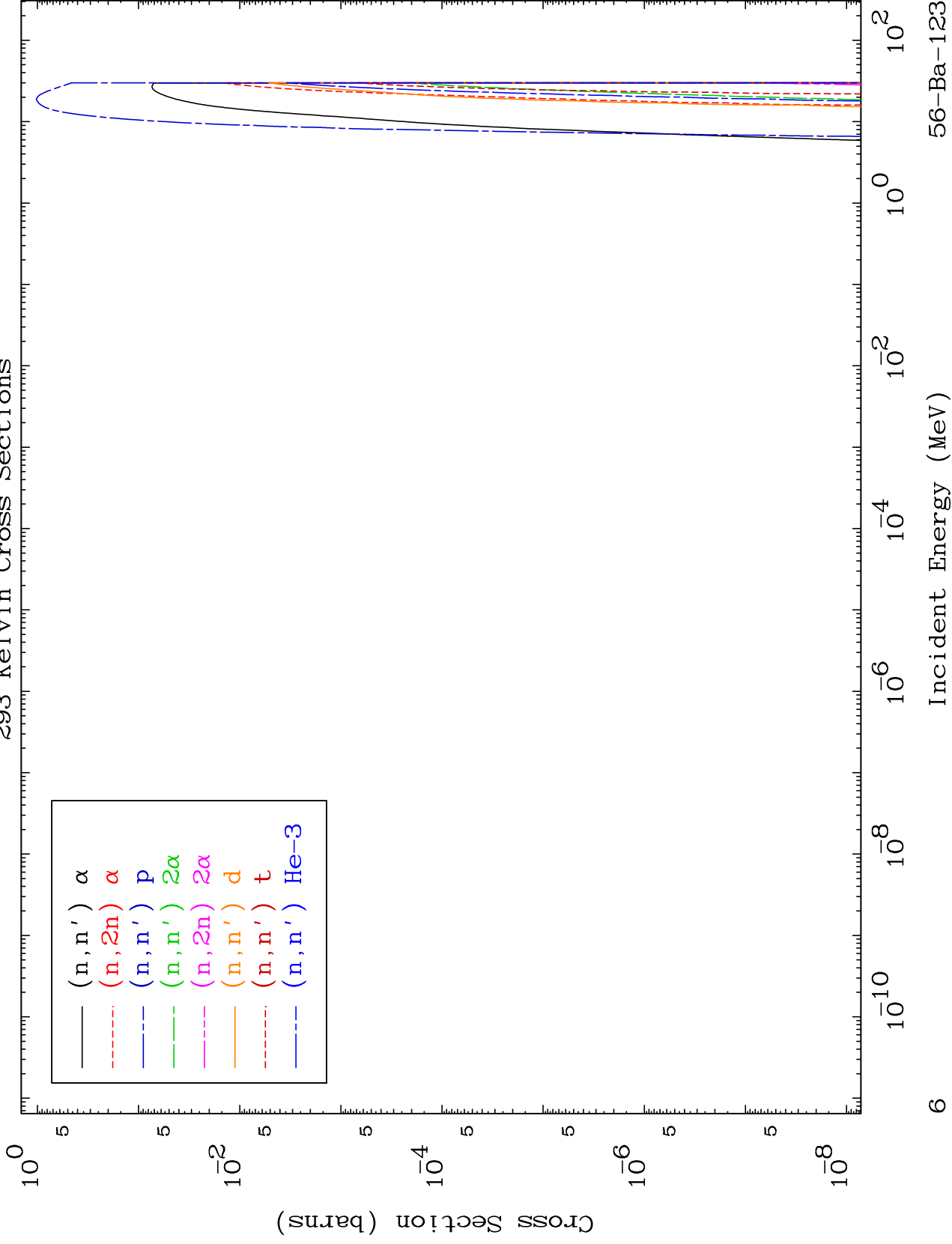
56-Ba-123



MAT 5604

Charged Particle  
293 Kelvin Cross Sections

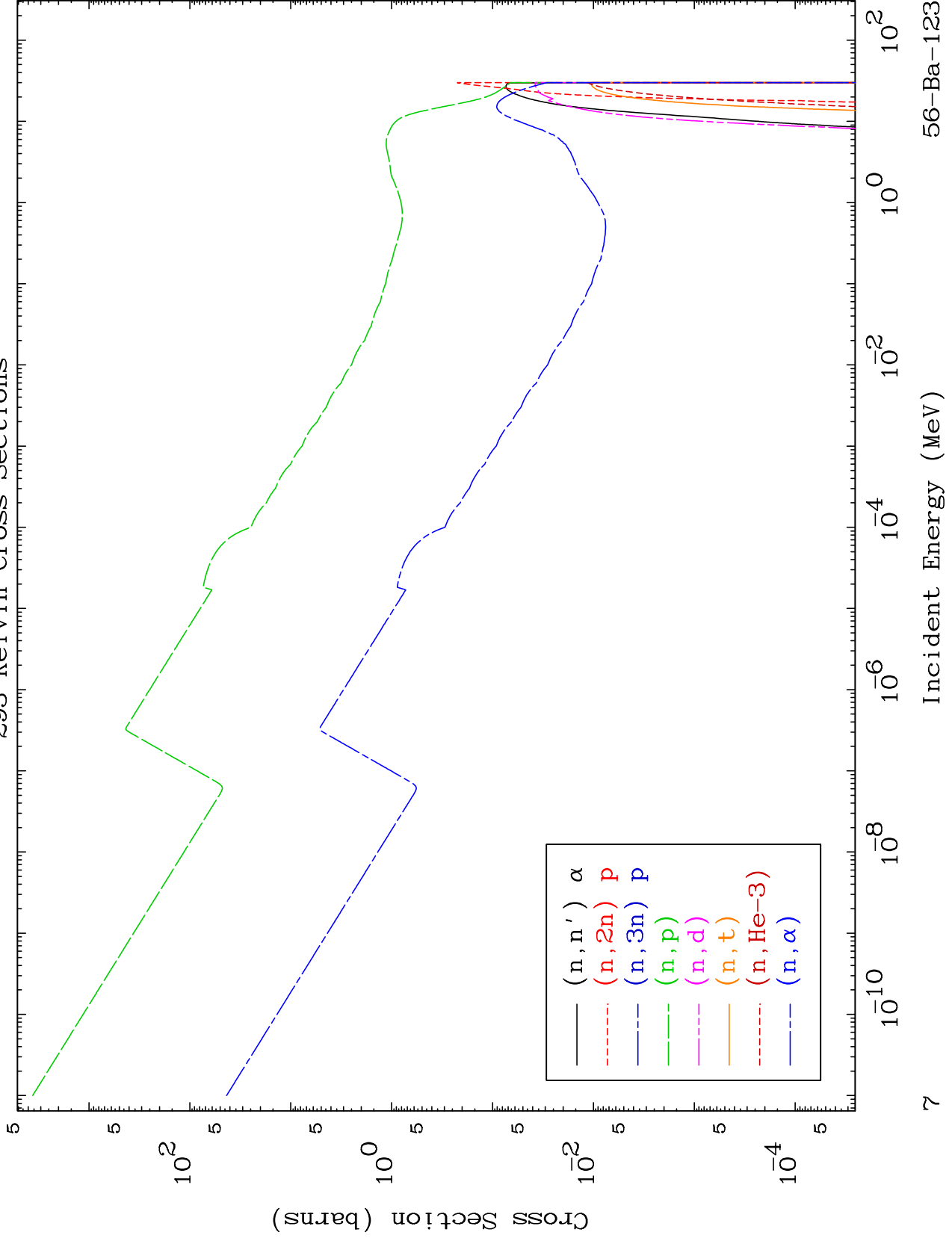
56-Ba-123



MAT 5604

Charged Particle  
293 Kelvin Cross Sections

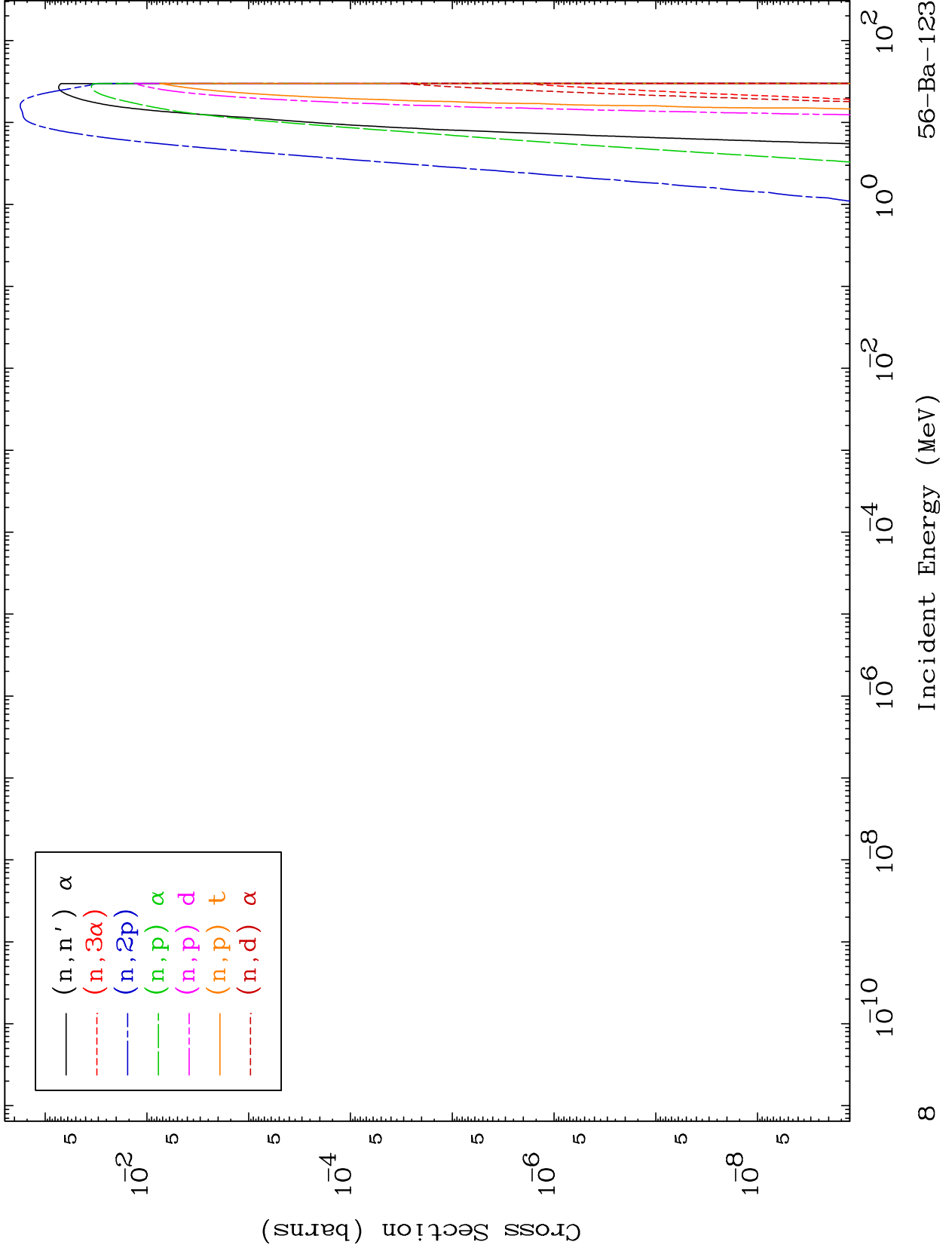
56-Ba-123



MAT 5604

Charged Particle  
293 Kelvin Cross Sections

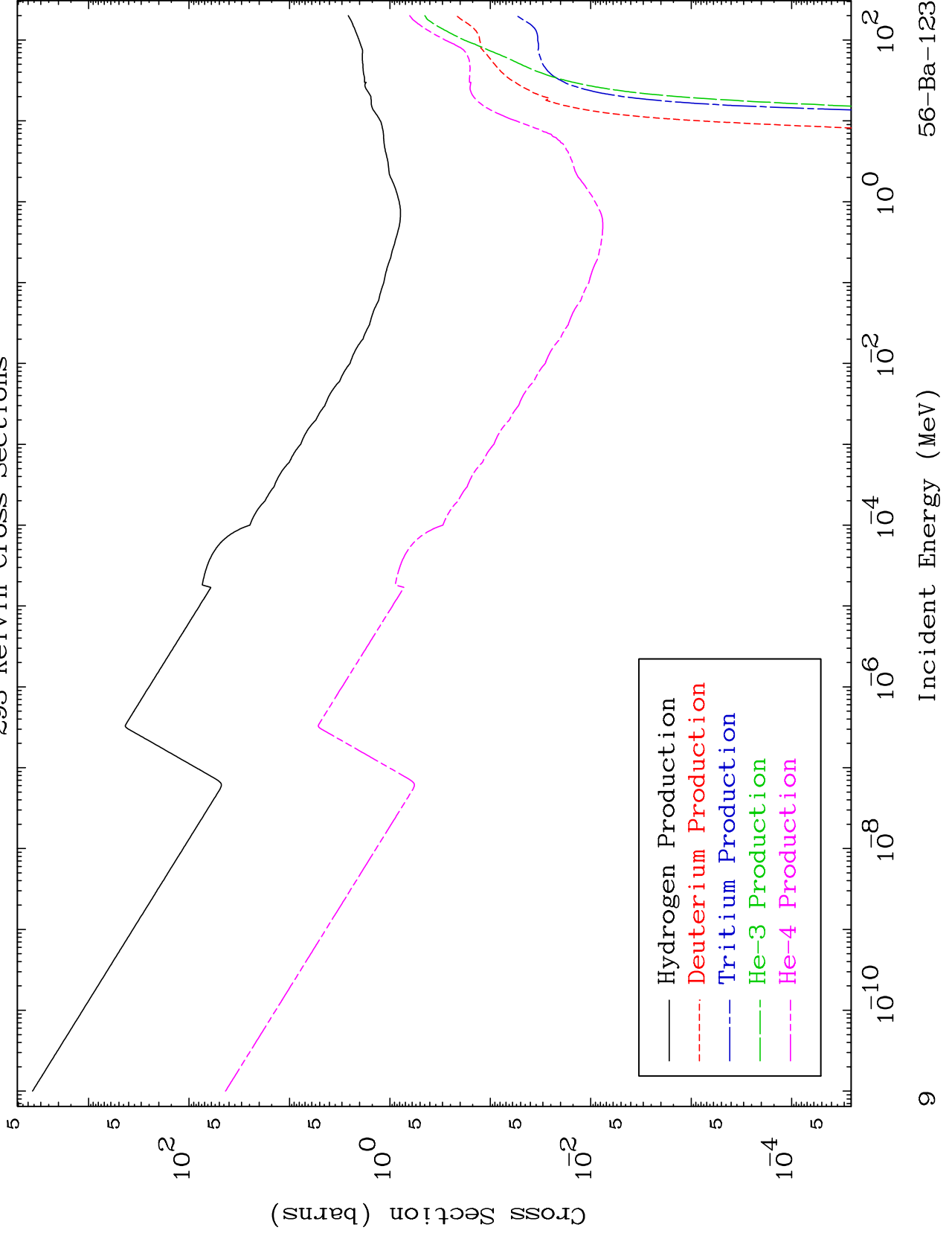
56-Ba-123



MAT 5604

Particle Production  
293 Kelvin Cross Sections

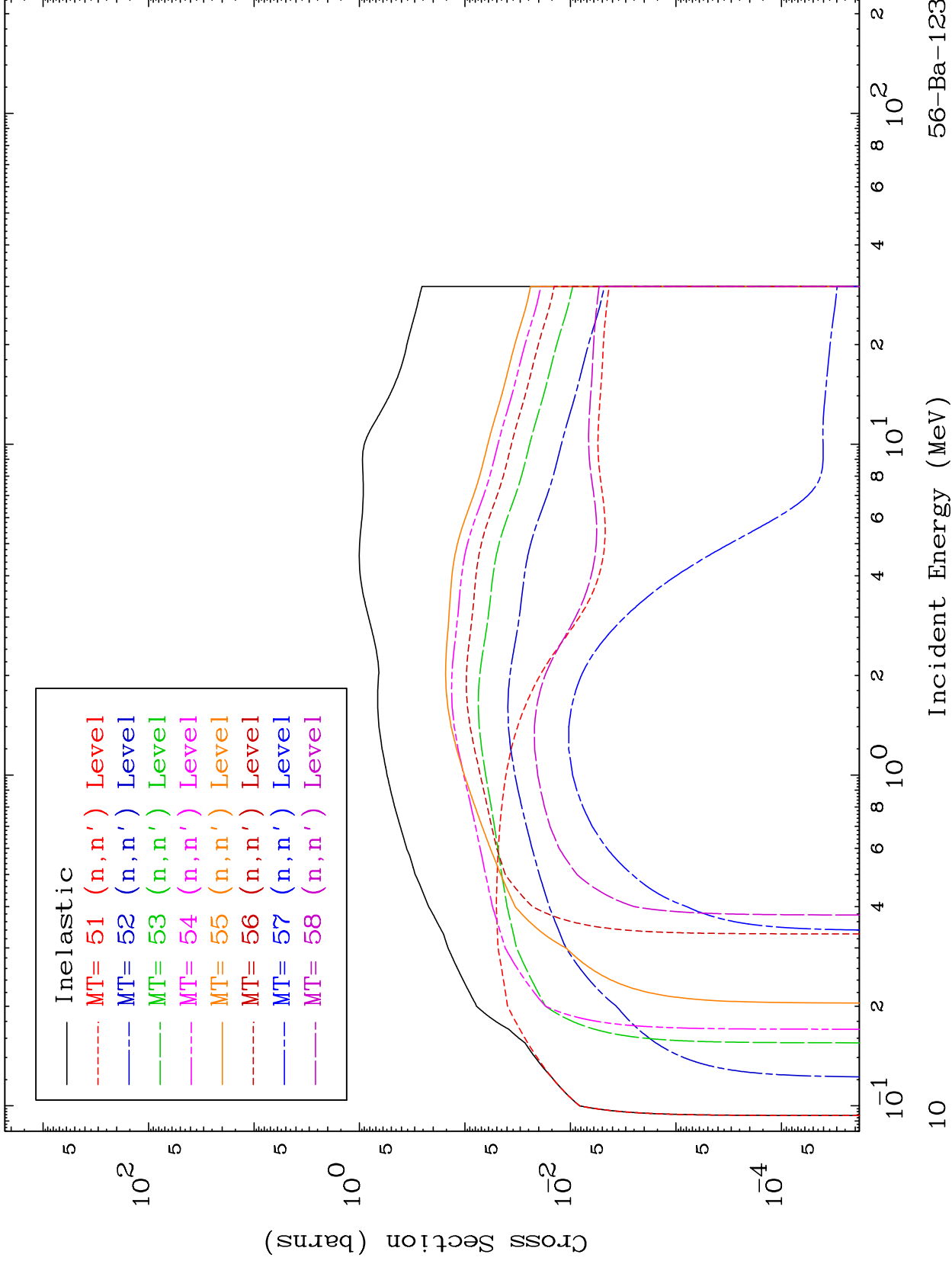
56-Ba-123



MAT 5604

(n,n') Levels  
293 Kelvin Cross Sections

56-Ba-123

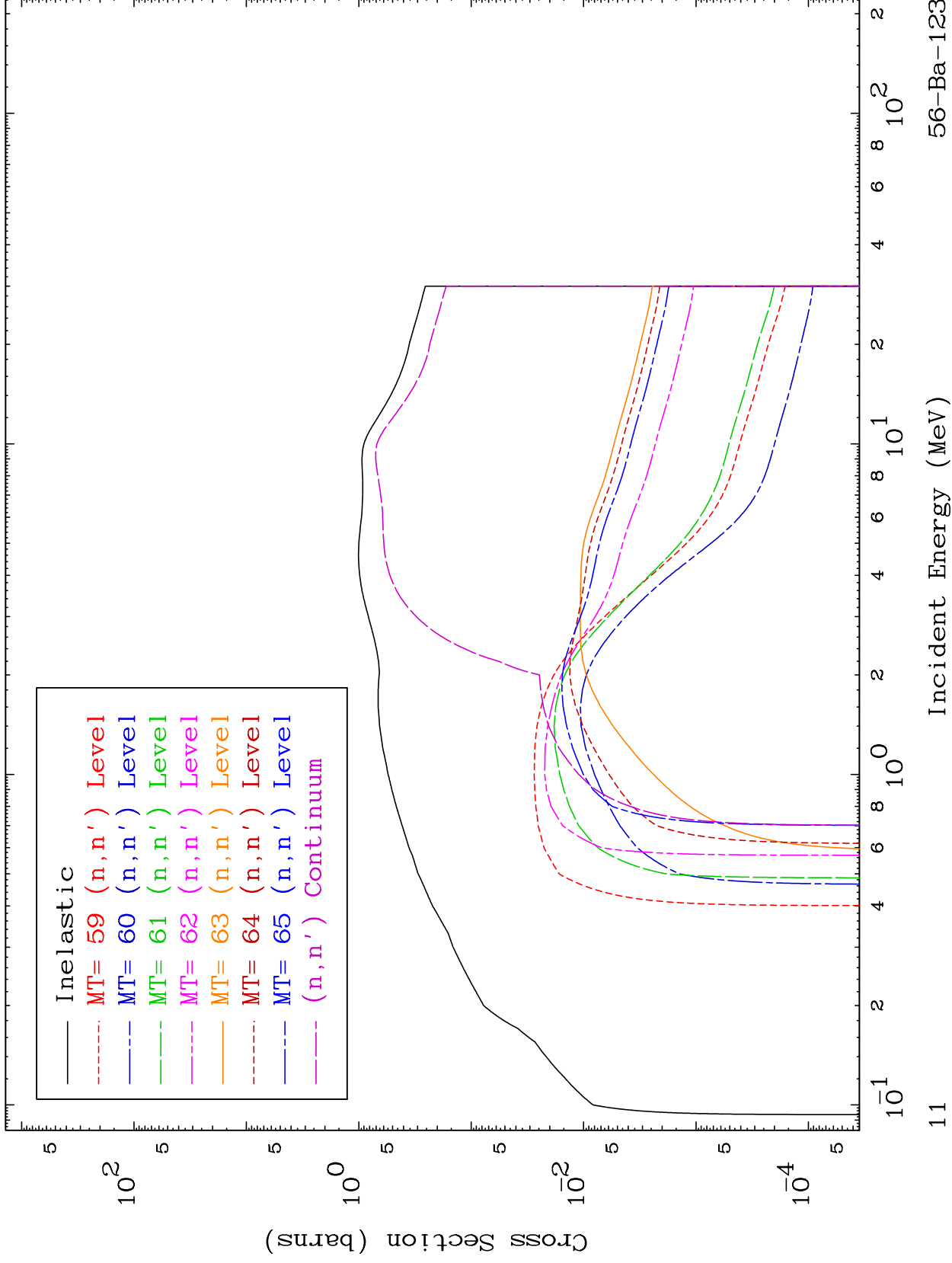


56-Ba-123

MAT 5604

(n,n') Levels  
293 Kelvin Cross Sections

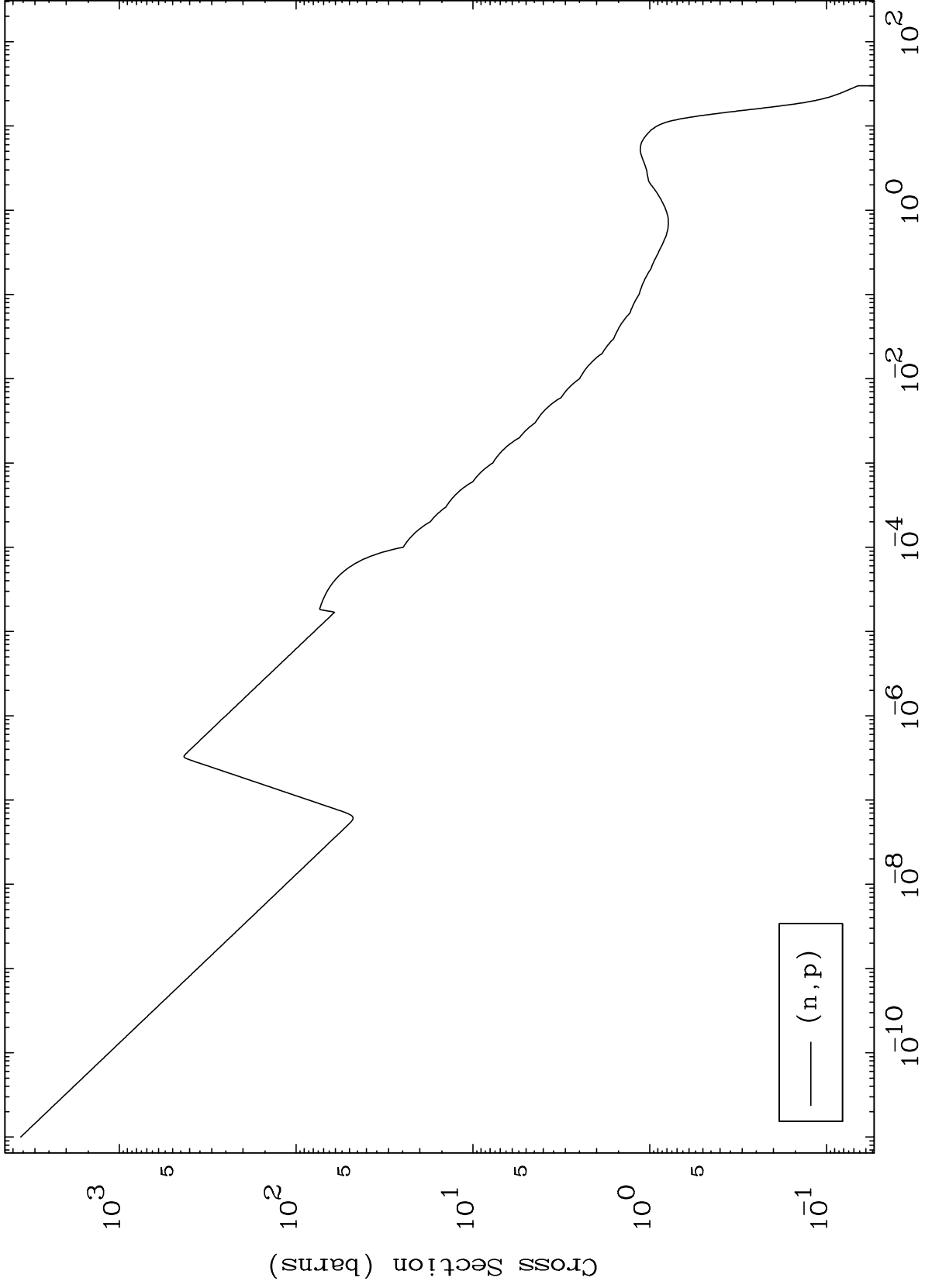
56-Ba-123



MAT 5604

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-123



12

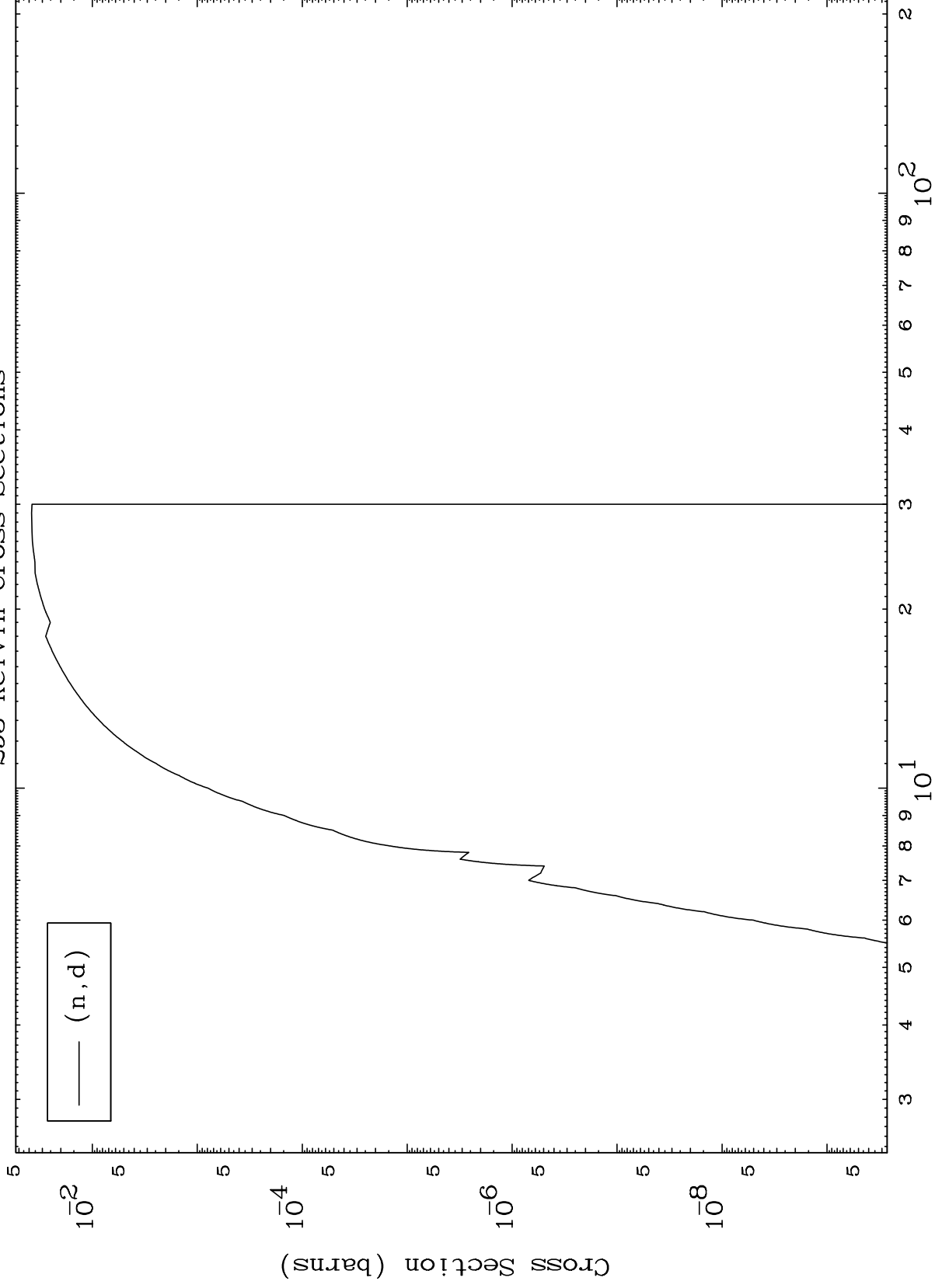
Incident Energy (MeV)

56-Ba-123

MAT 5604

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-123



13

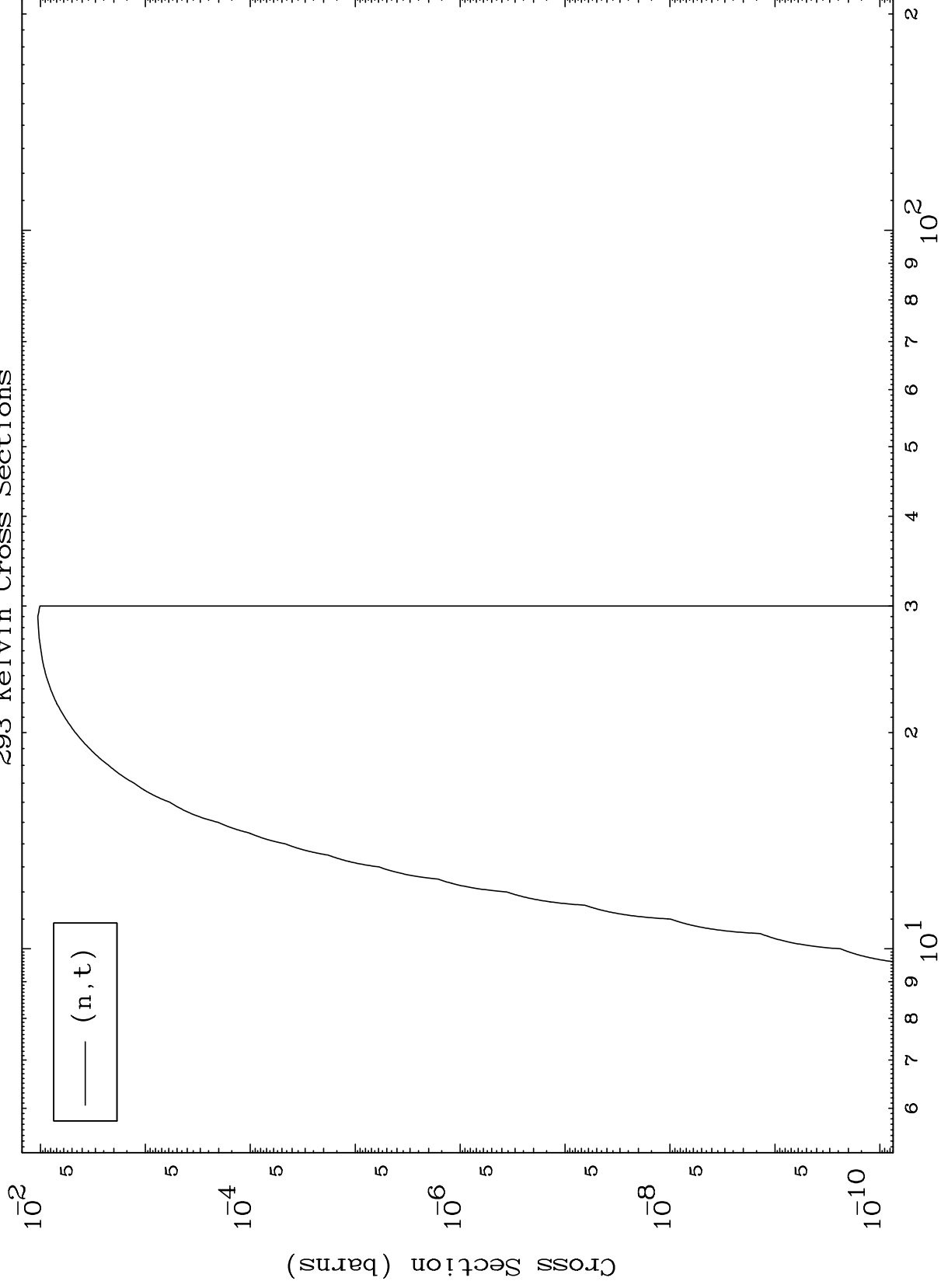
Incident Energy (MeV)

56-Ba-123

MAT 5604

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-123



14

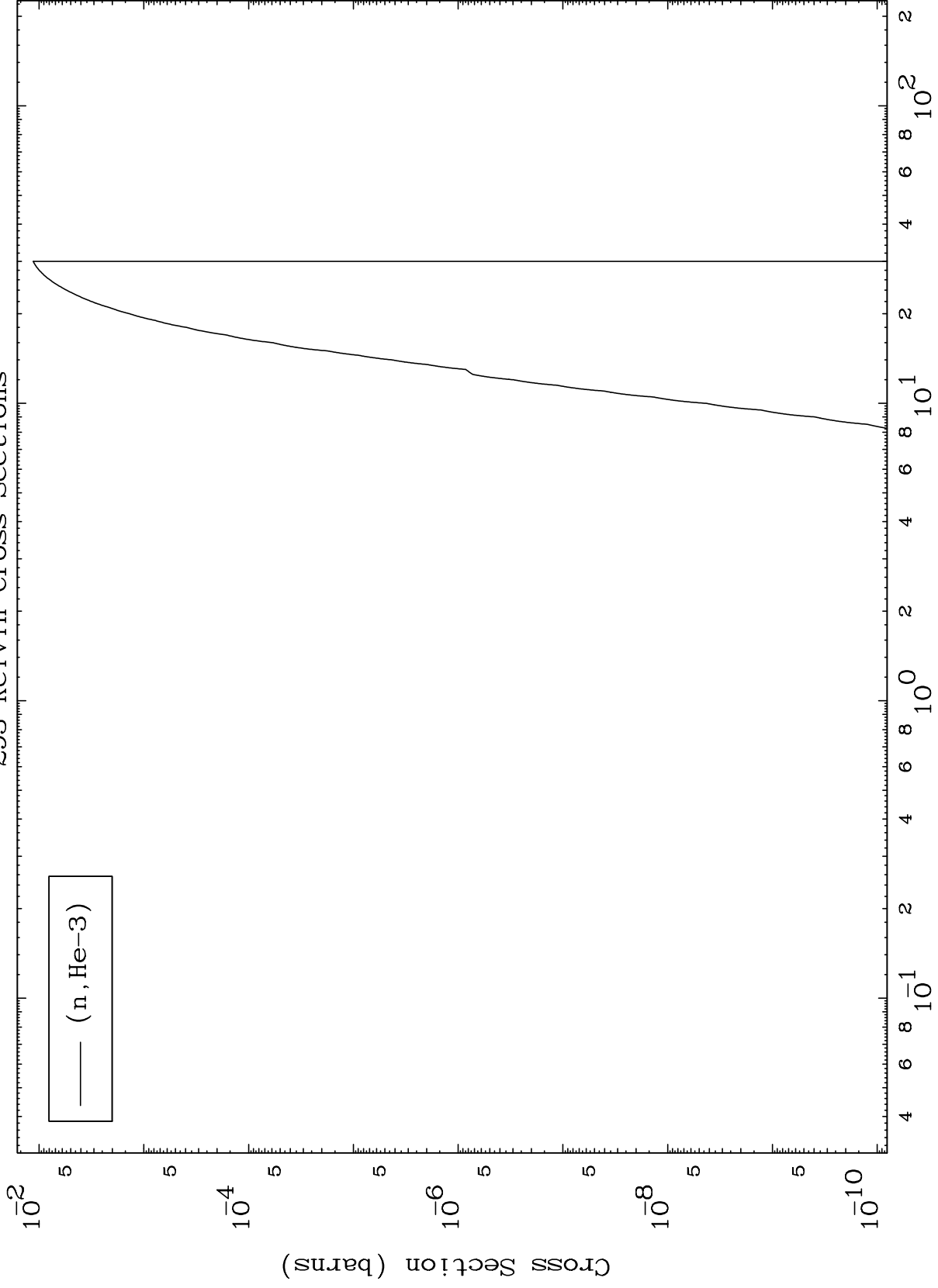
Incident Energy (MeV)

56-Ba-123

MAT 5604

(n,He3) Levels  
293 Kelvin Cross Sections

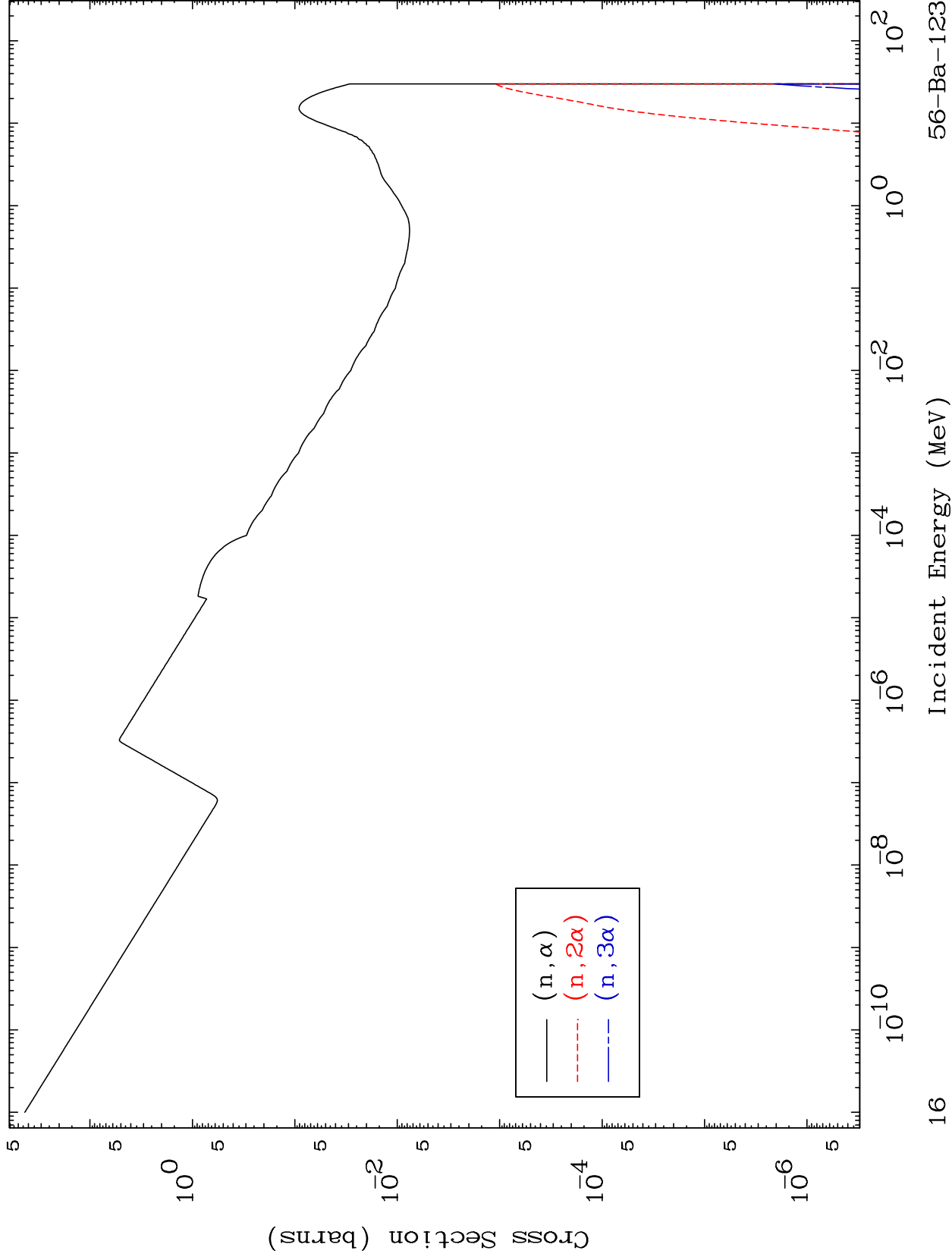
56-Ba-123



MAT 5604

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

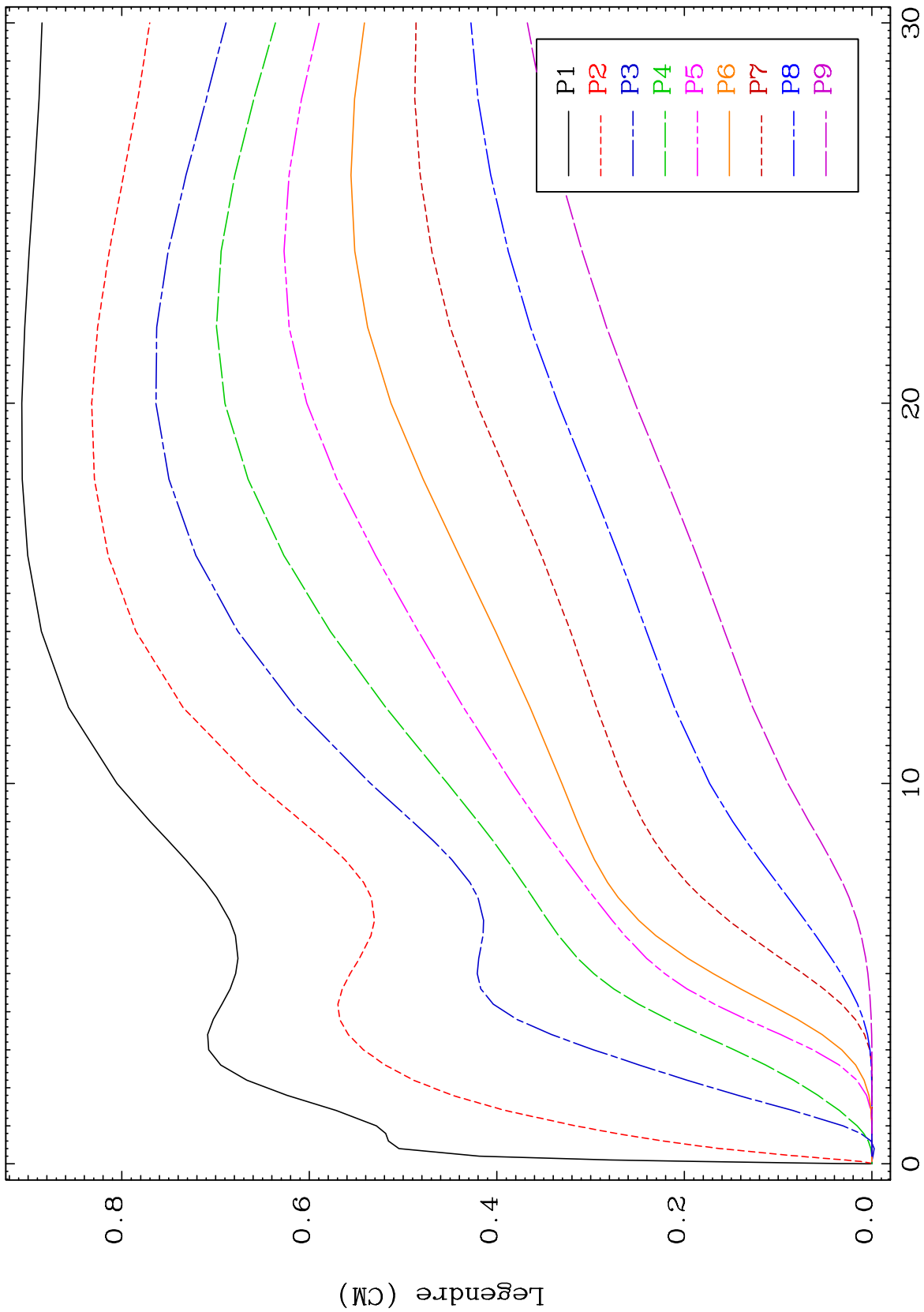
56-Ba-123



MAT 5604

Elastic Legendre Coefficients

56-Ba-123



17

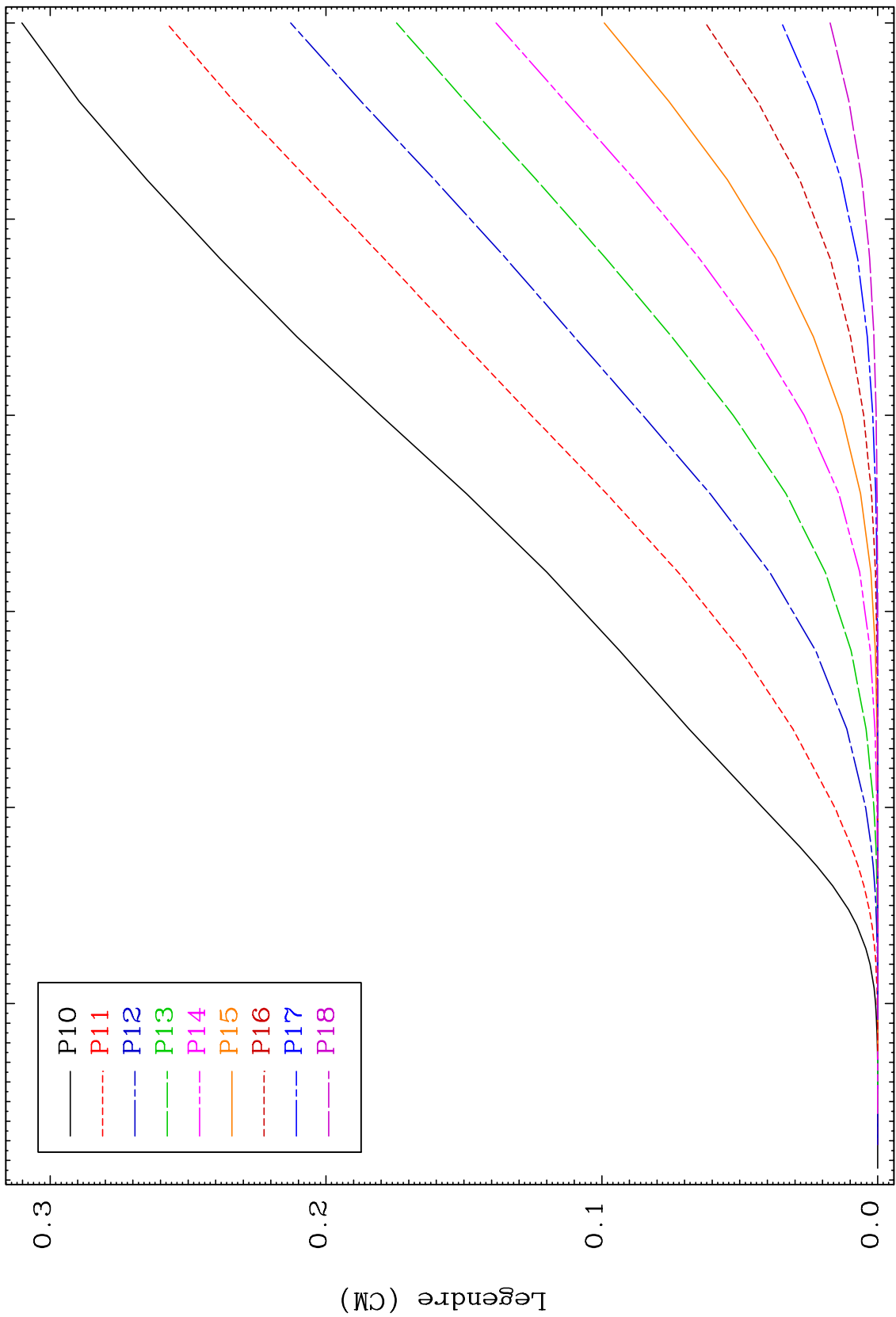
Incident Energy (MeV)

56-Ba-123

MAT 5604

Elastic Legendre Coefficients

56-Ba-123



18

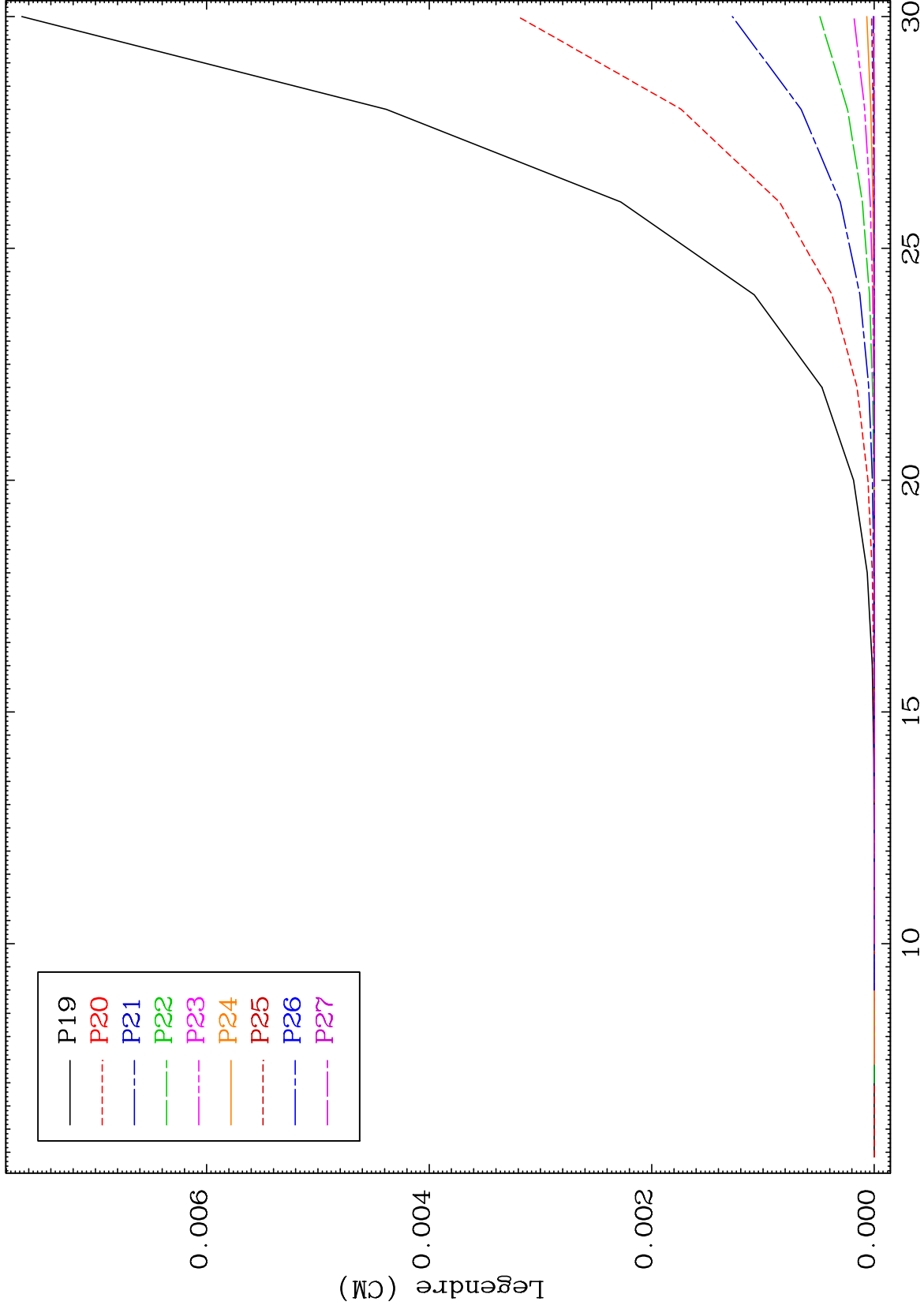
Incident Energy (MeV)

56-Ba-123

MAT 5604

### Elastic Legendre Coefficients

56-Ba-123



19

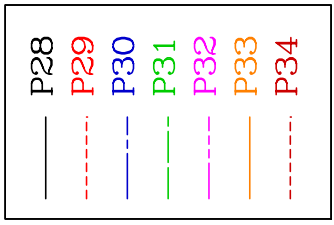
Incident Energy (MeV)

56-Ba-123

MAT 5604

Elastic Legendre Coefficients

56-Ba-123



$\times 10^{-7}$

Legendre (CM)

10

15

20

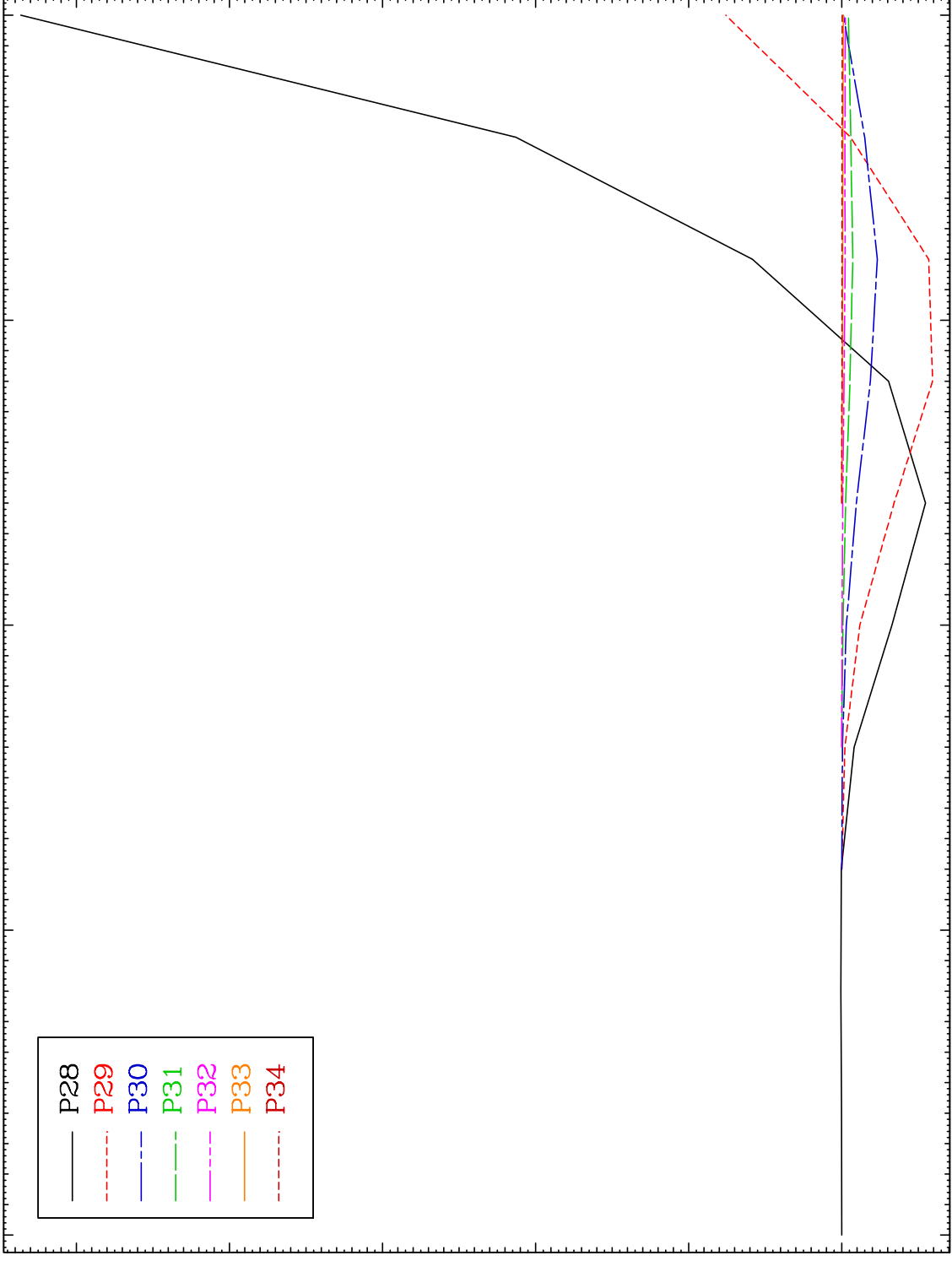
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30

20

Incident Energy (MeV)

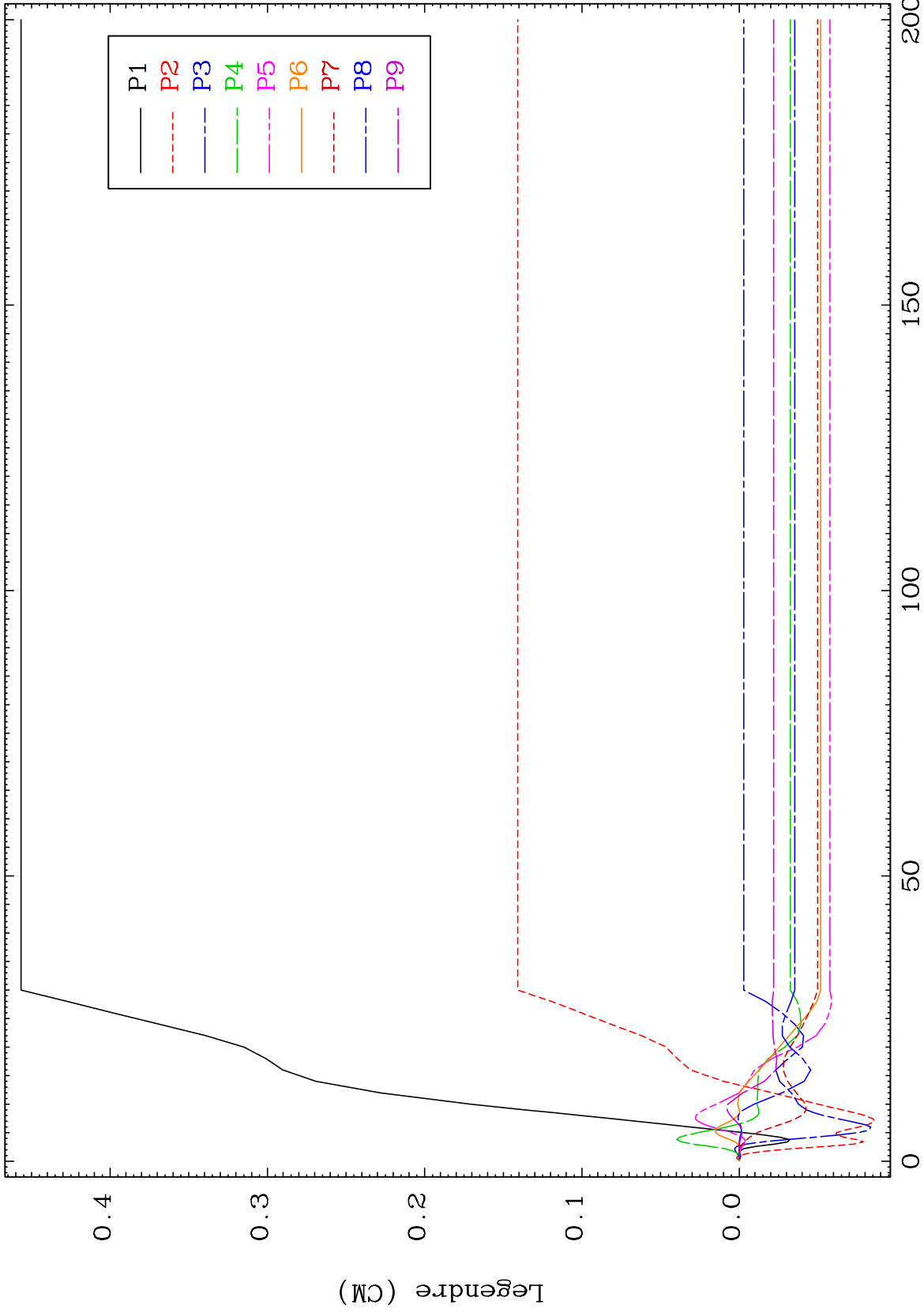
56-Ba-123



MAT 5604

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

56-Ba-123



21

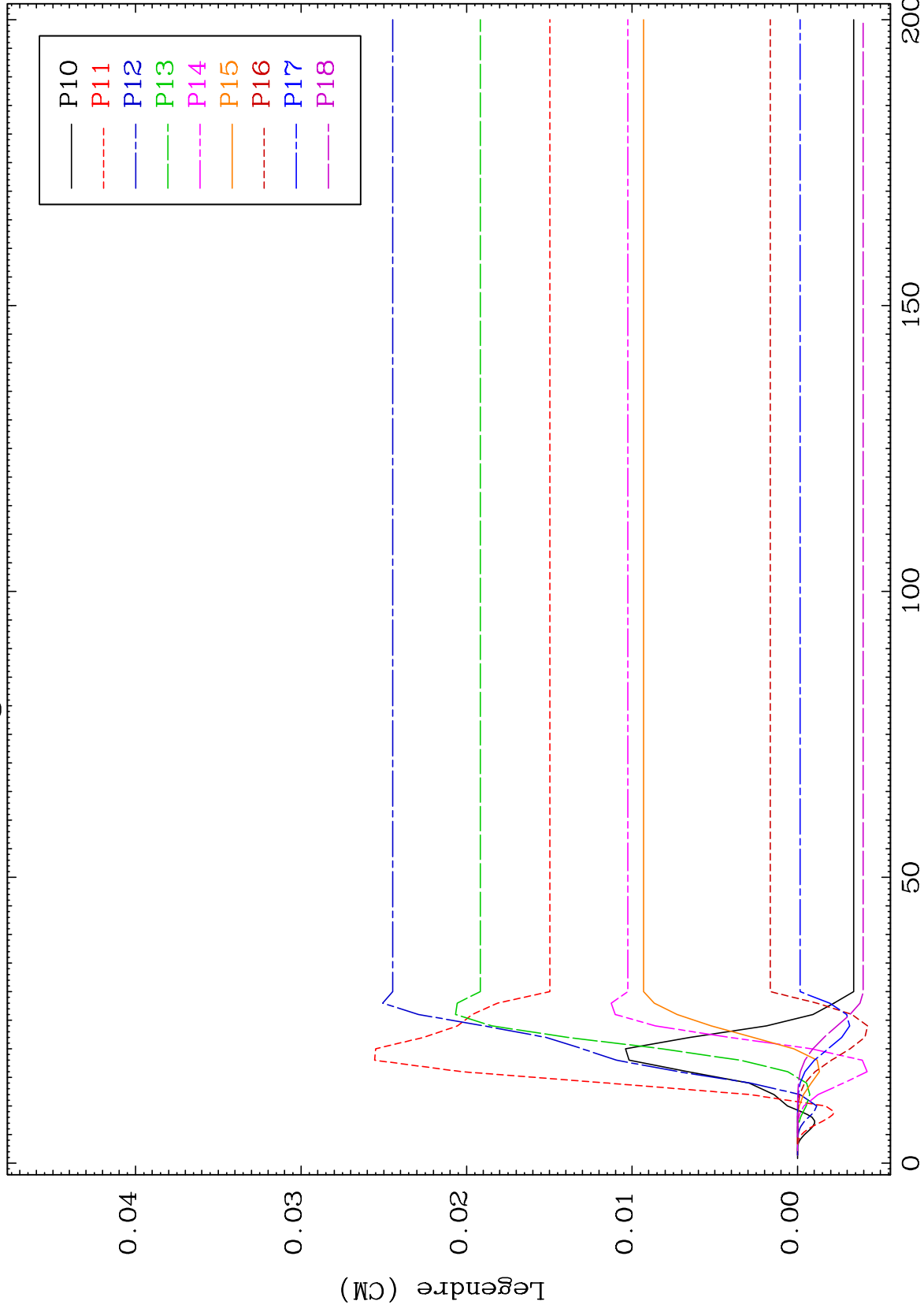
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



22

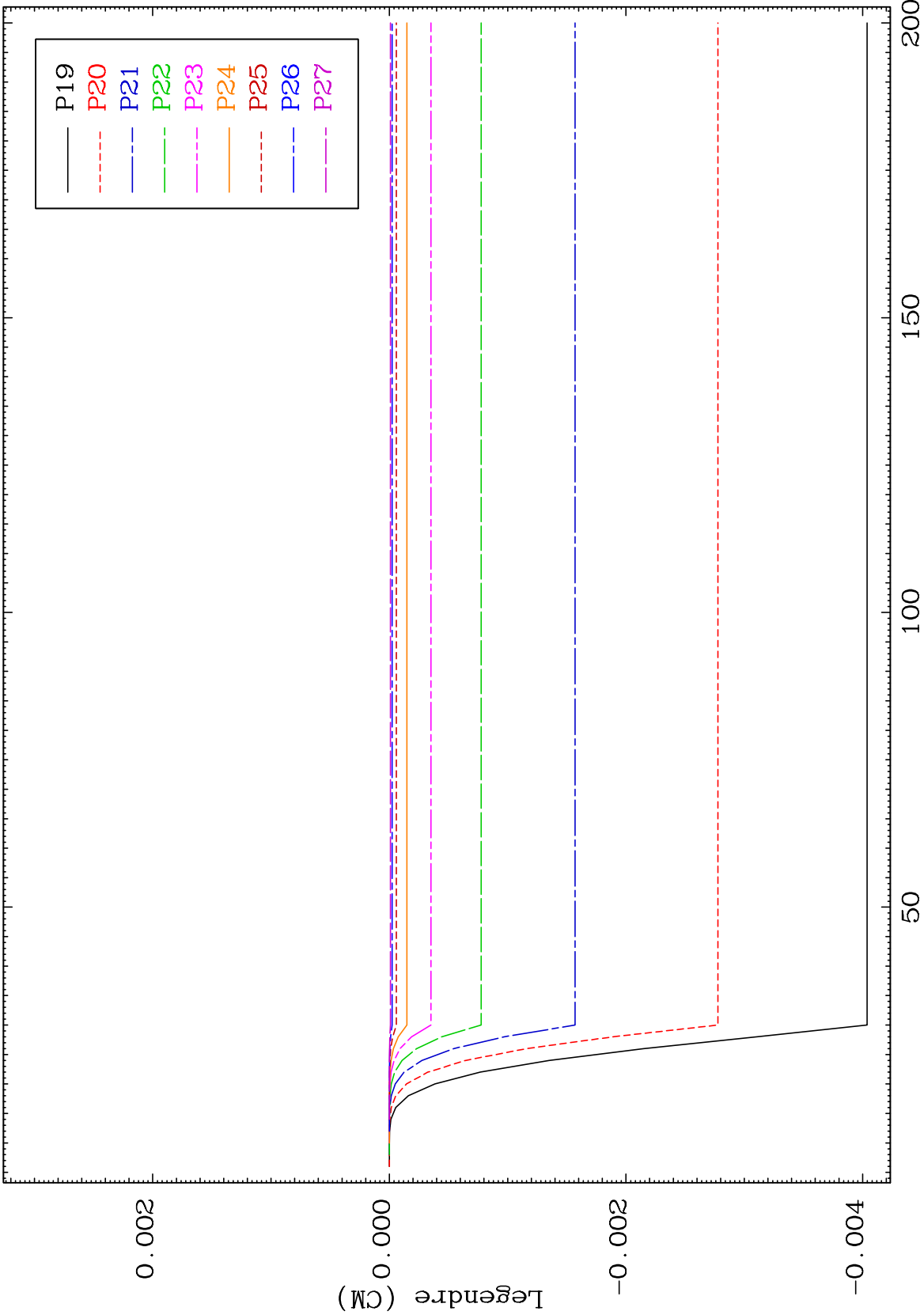
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

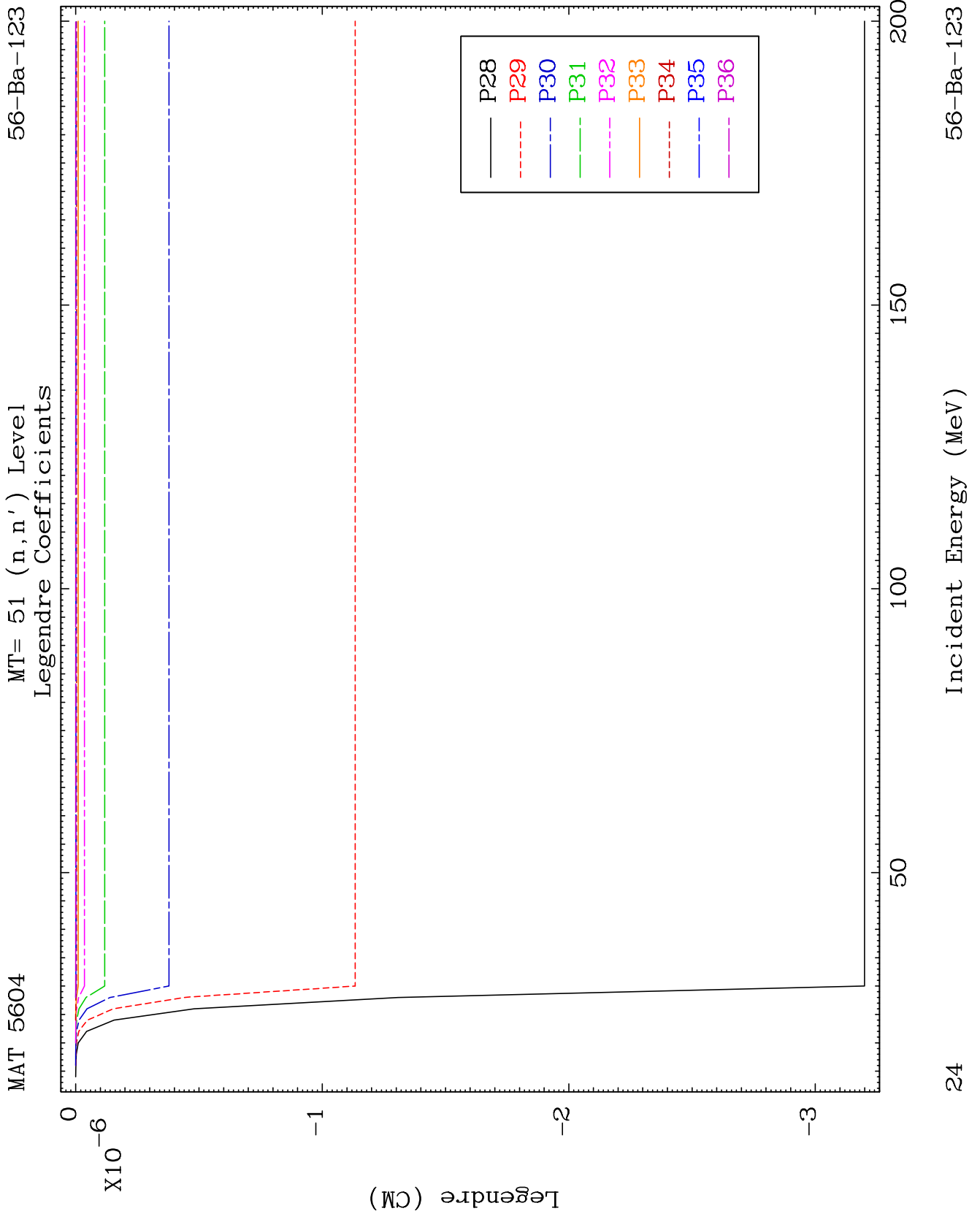
56-Ba-123



23

Incident Energy (MeV)

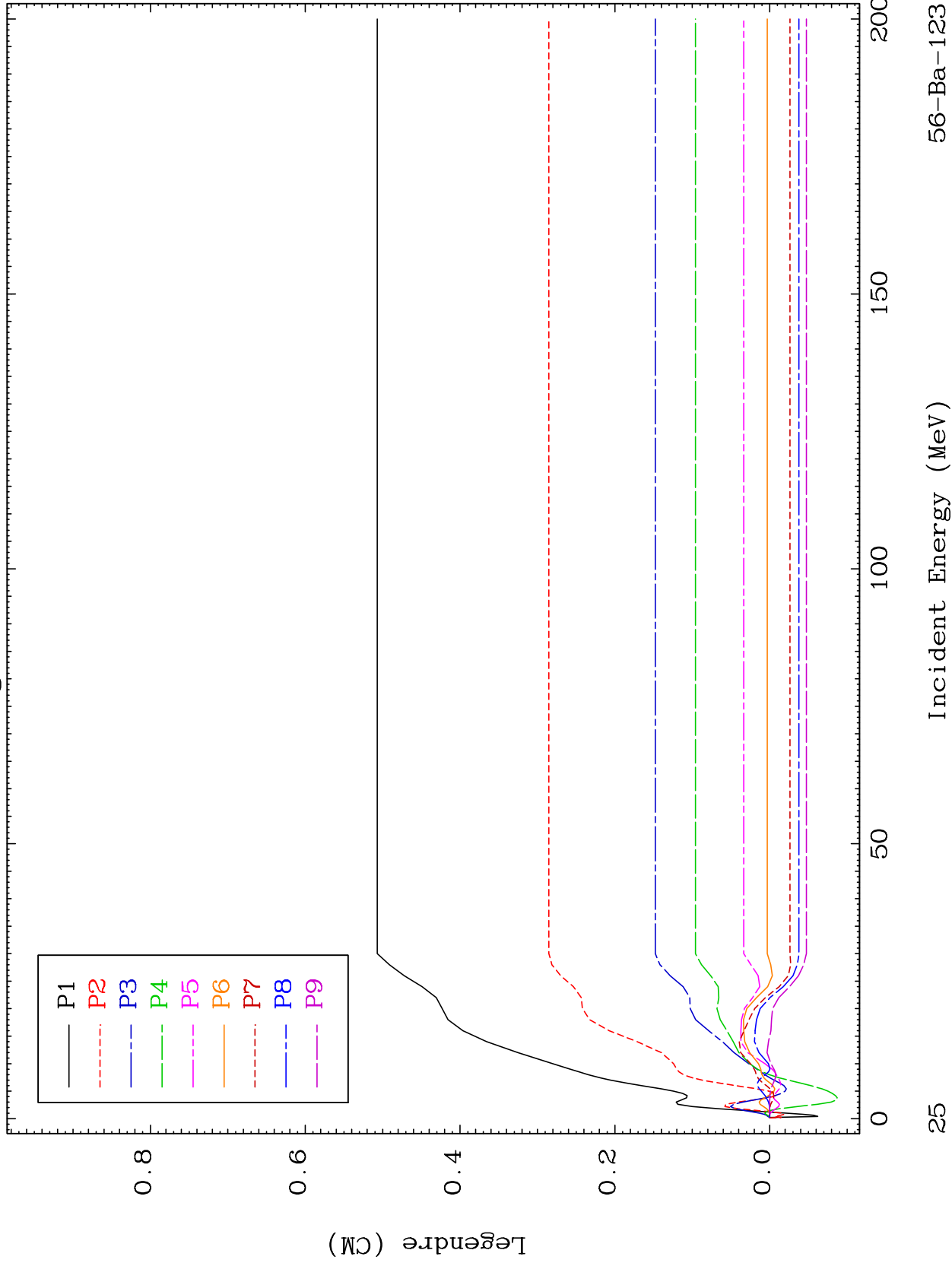
56-Ba-123



MAT 5604

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

56-Ba-123



56-Ba-123

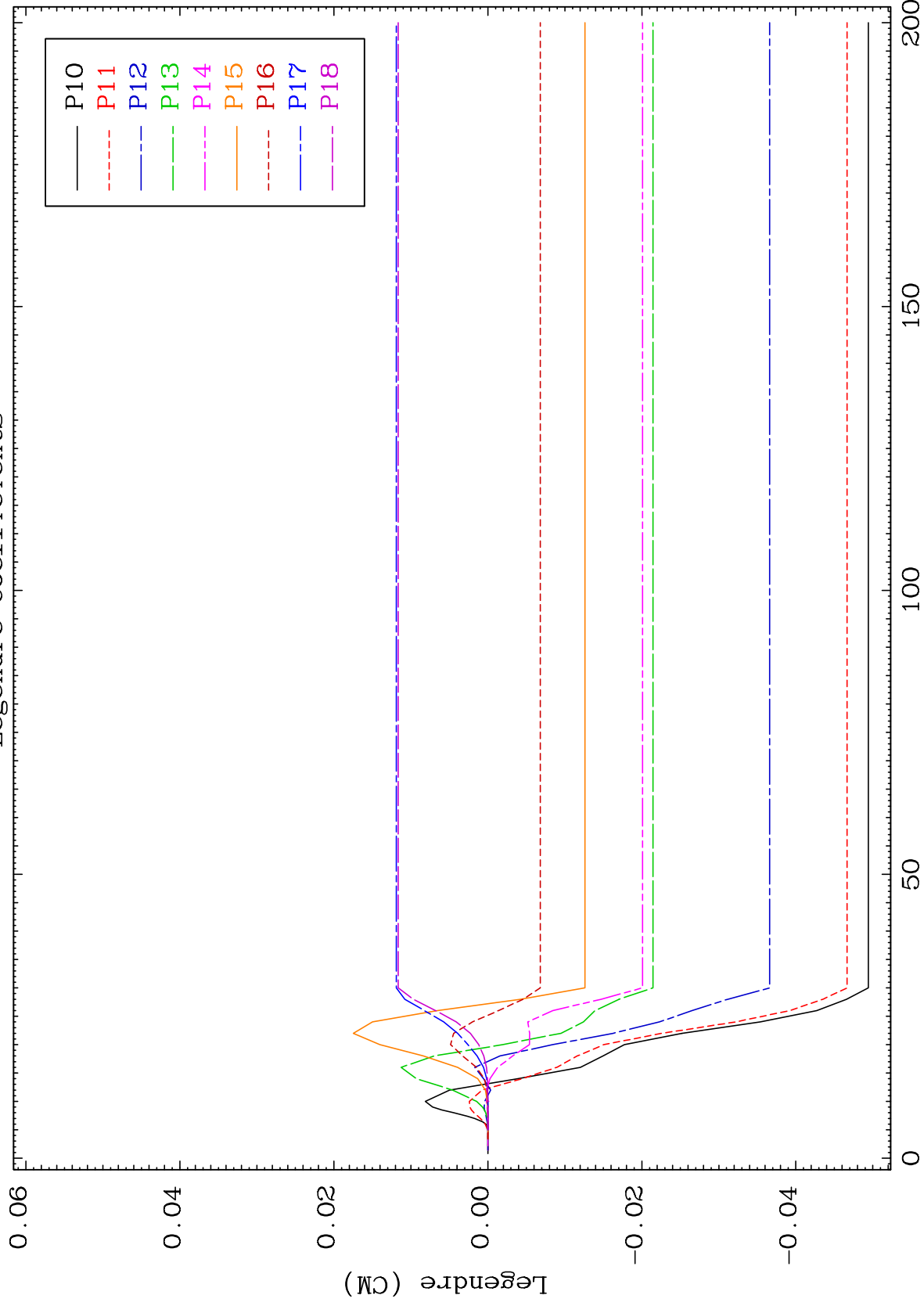
Incident Energy (MeV)

25

MAT 5604

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

56-Ba-123



26

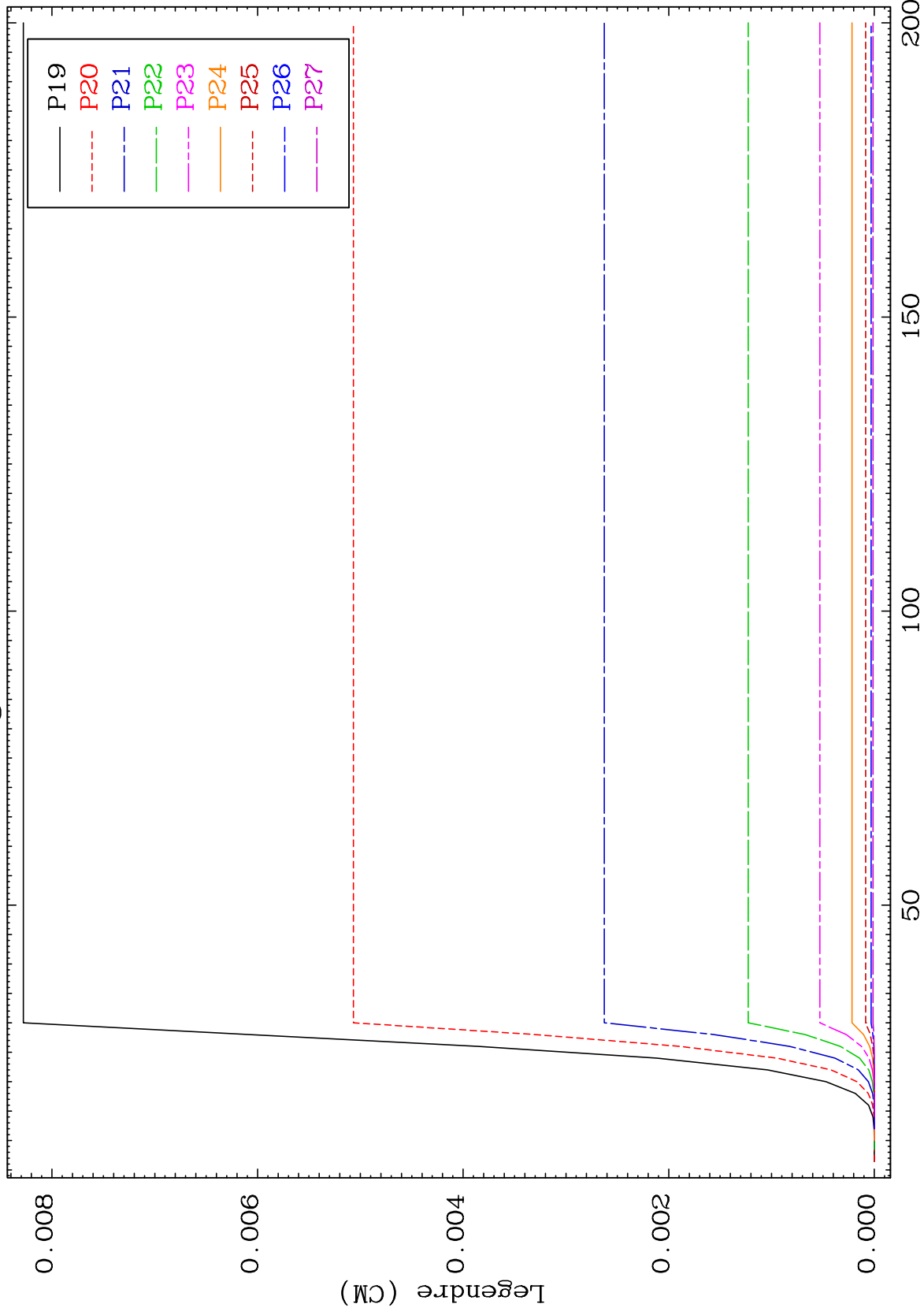
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



27

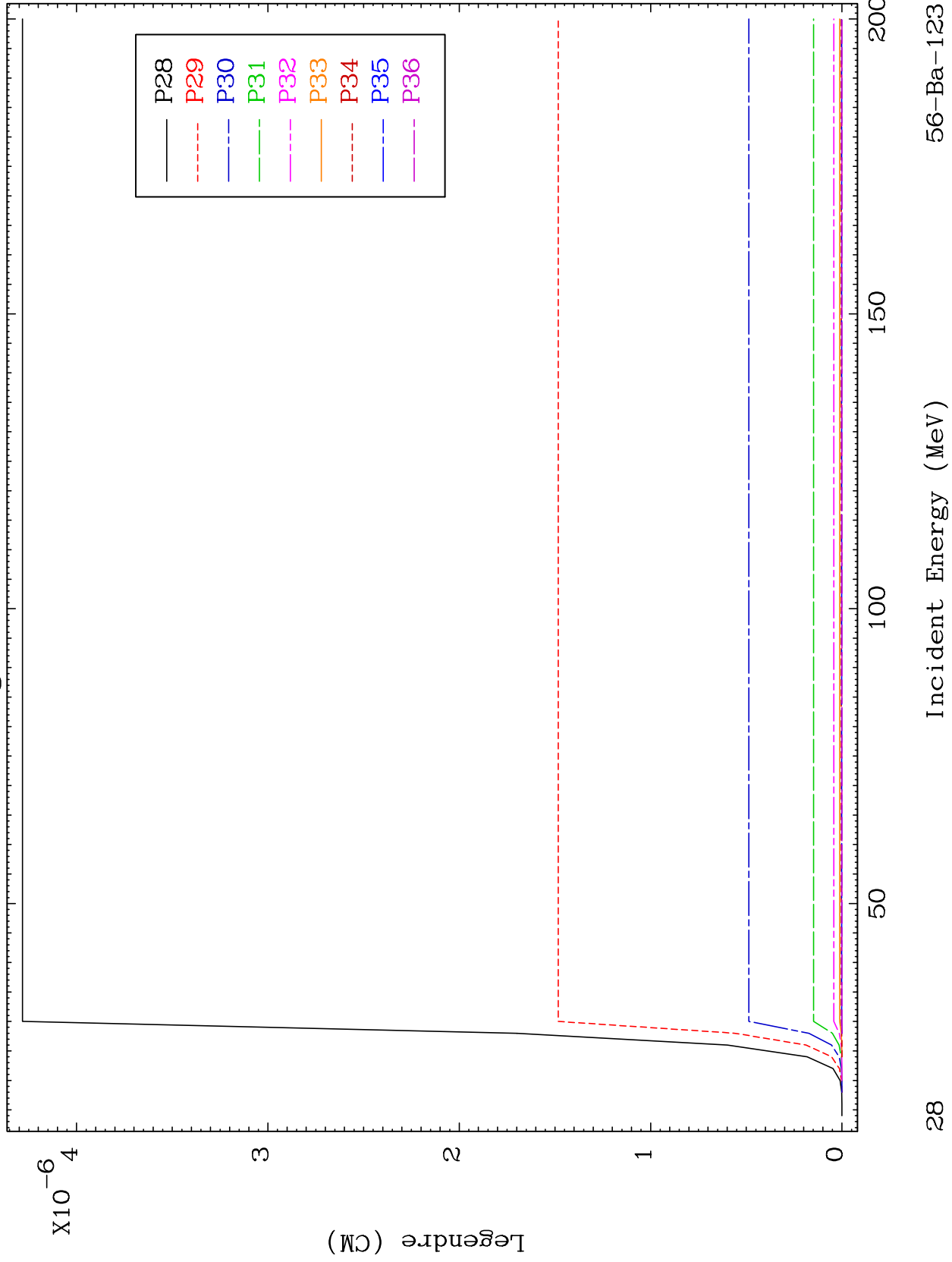
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

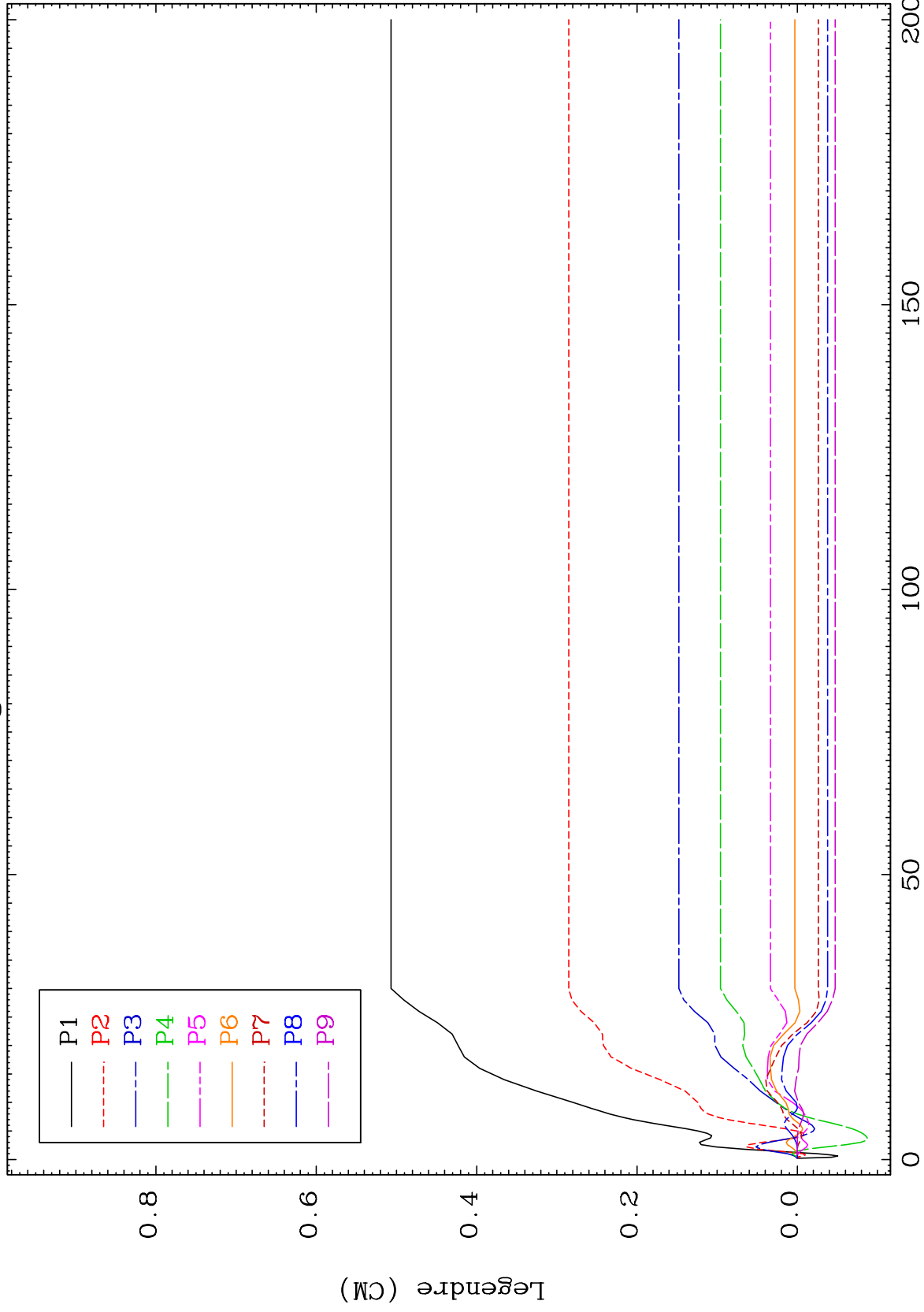
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MAT 5604

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

56-Ba-123



29

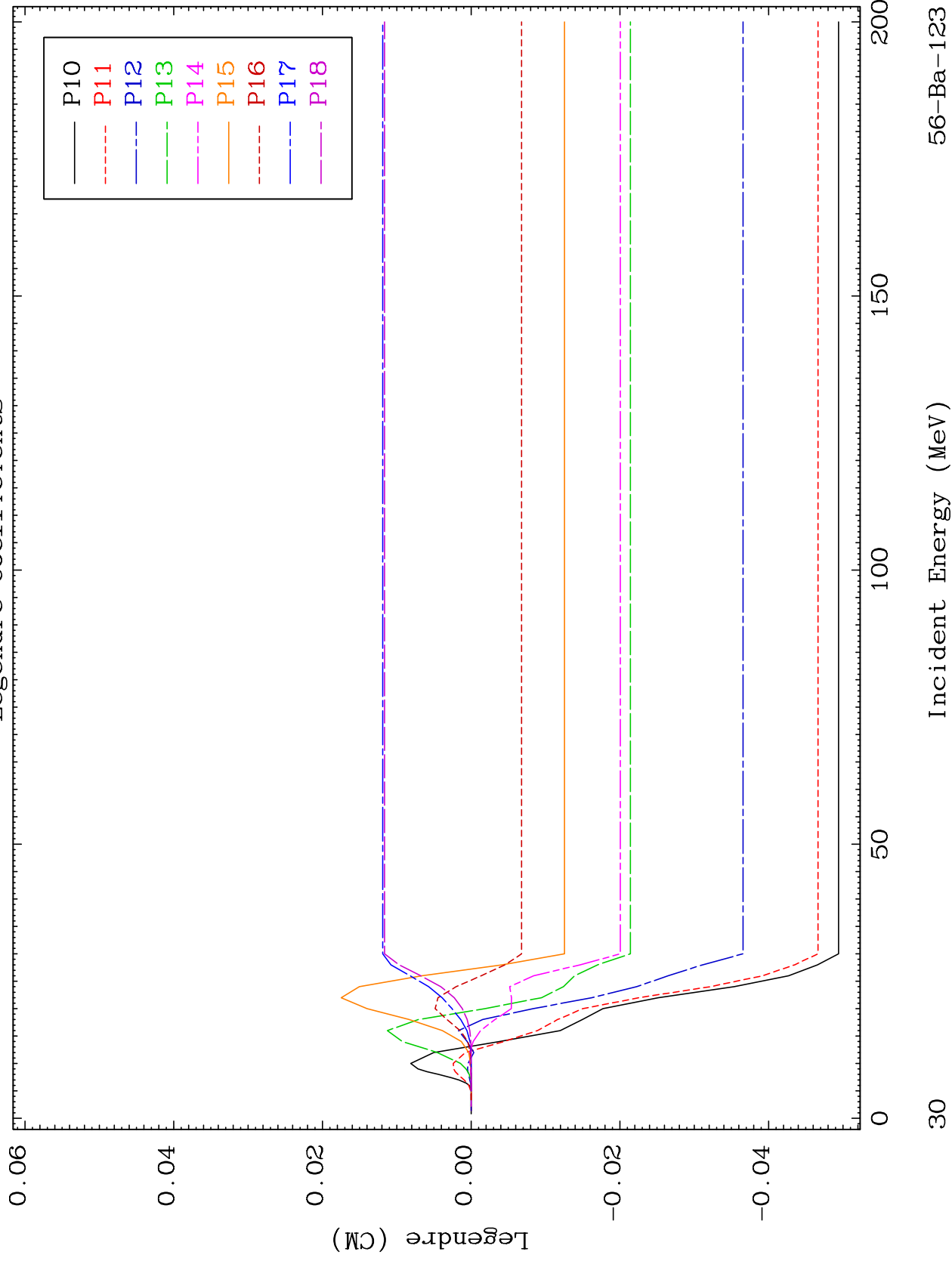
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

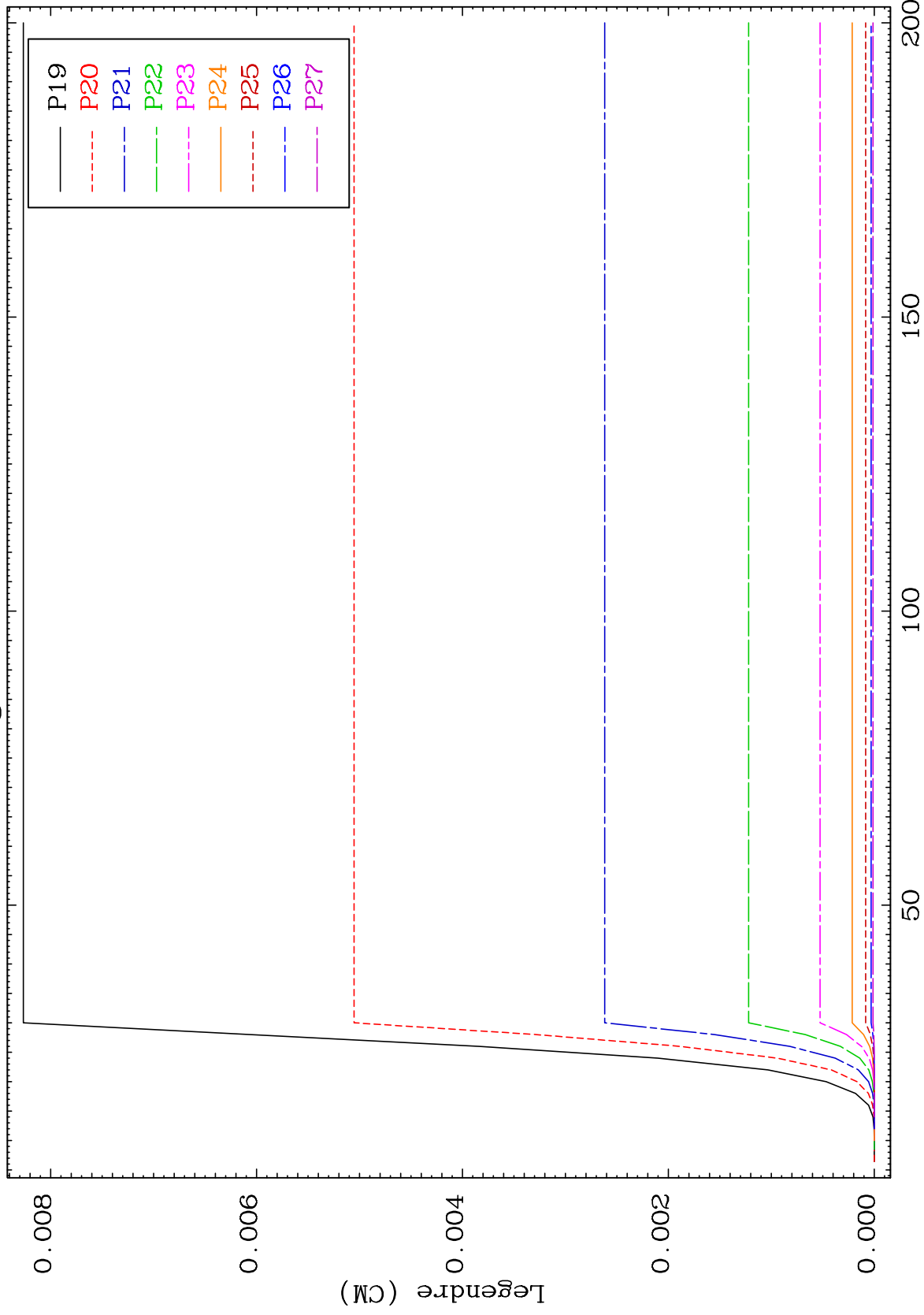
56-Ba-123



MAT 5604

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

56-Ba-123



31

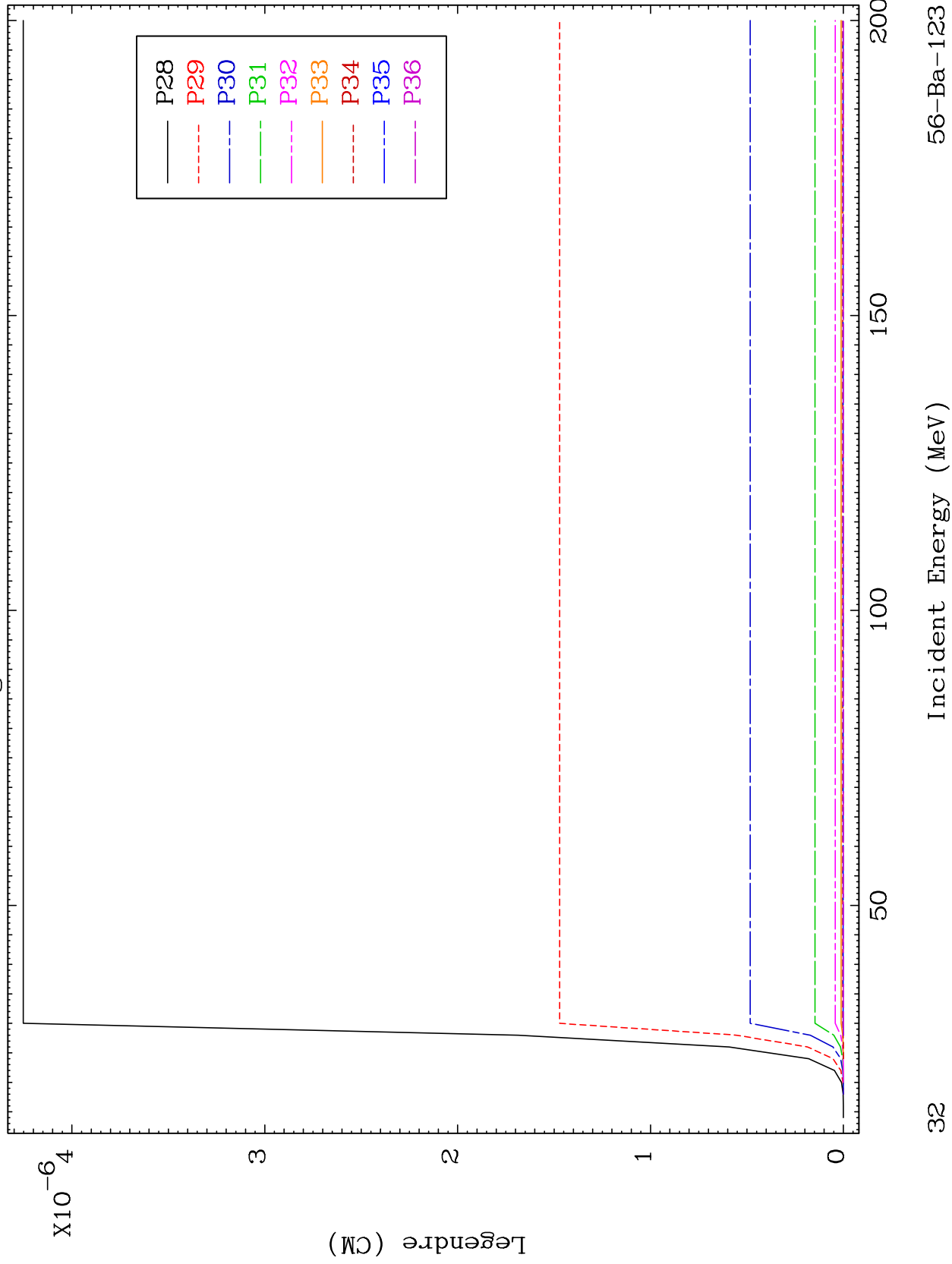
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



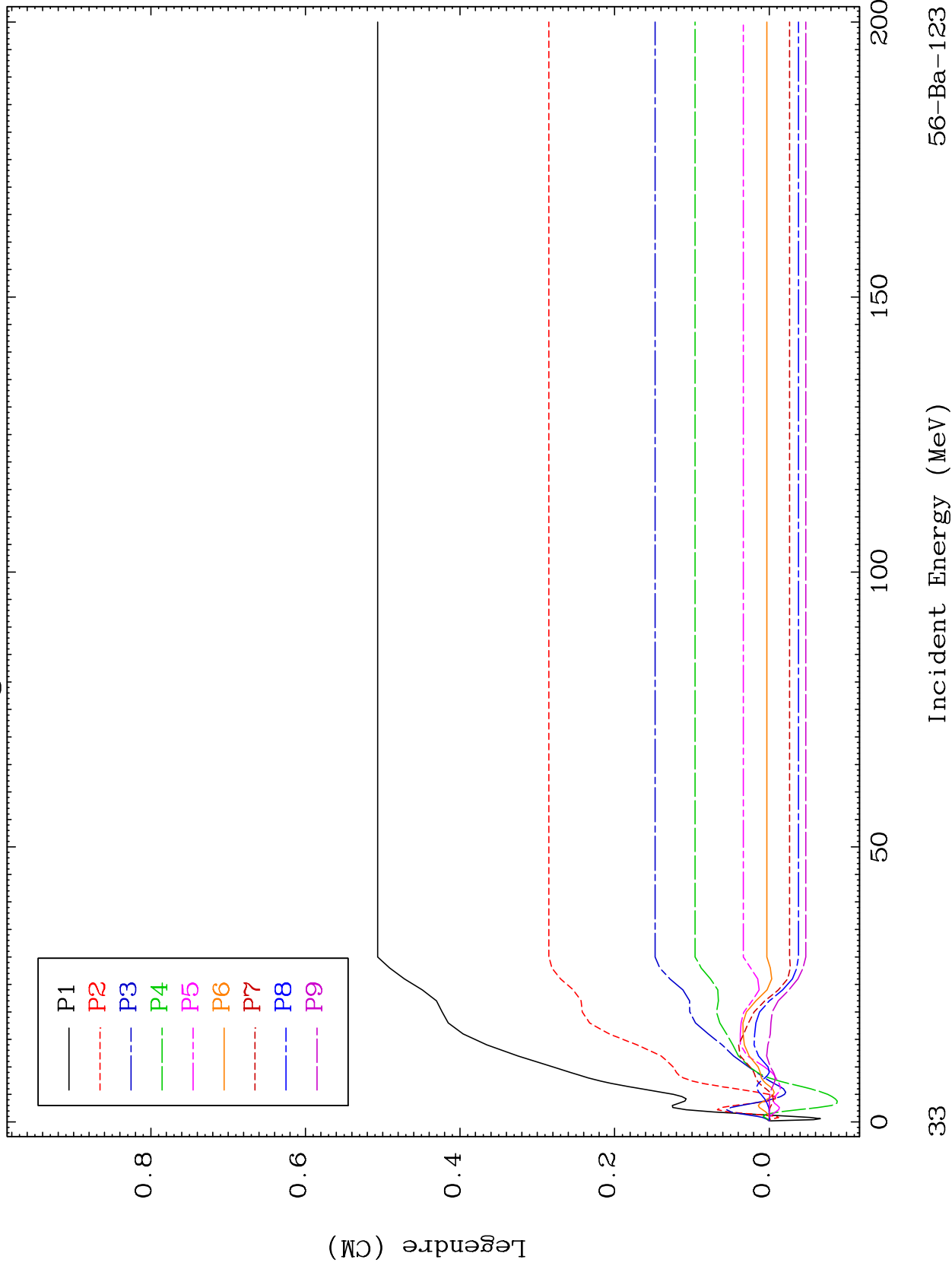
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56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

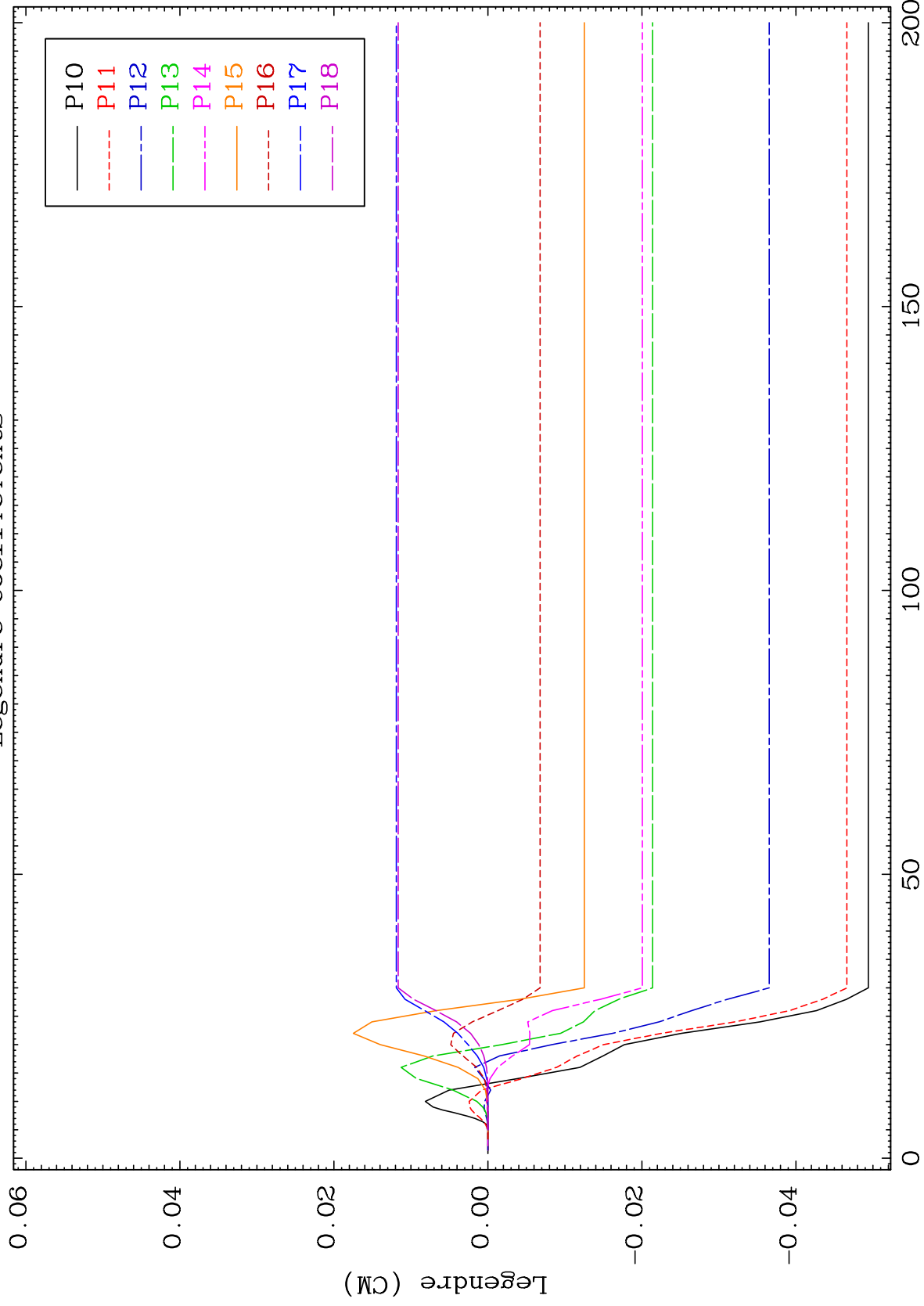
Incident Energy (MeV)

33

MAT 5604

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

56-Ba-123



34

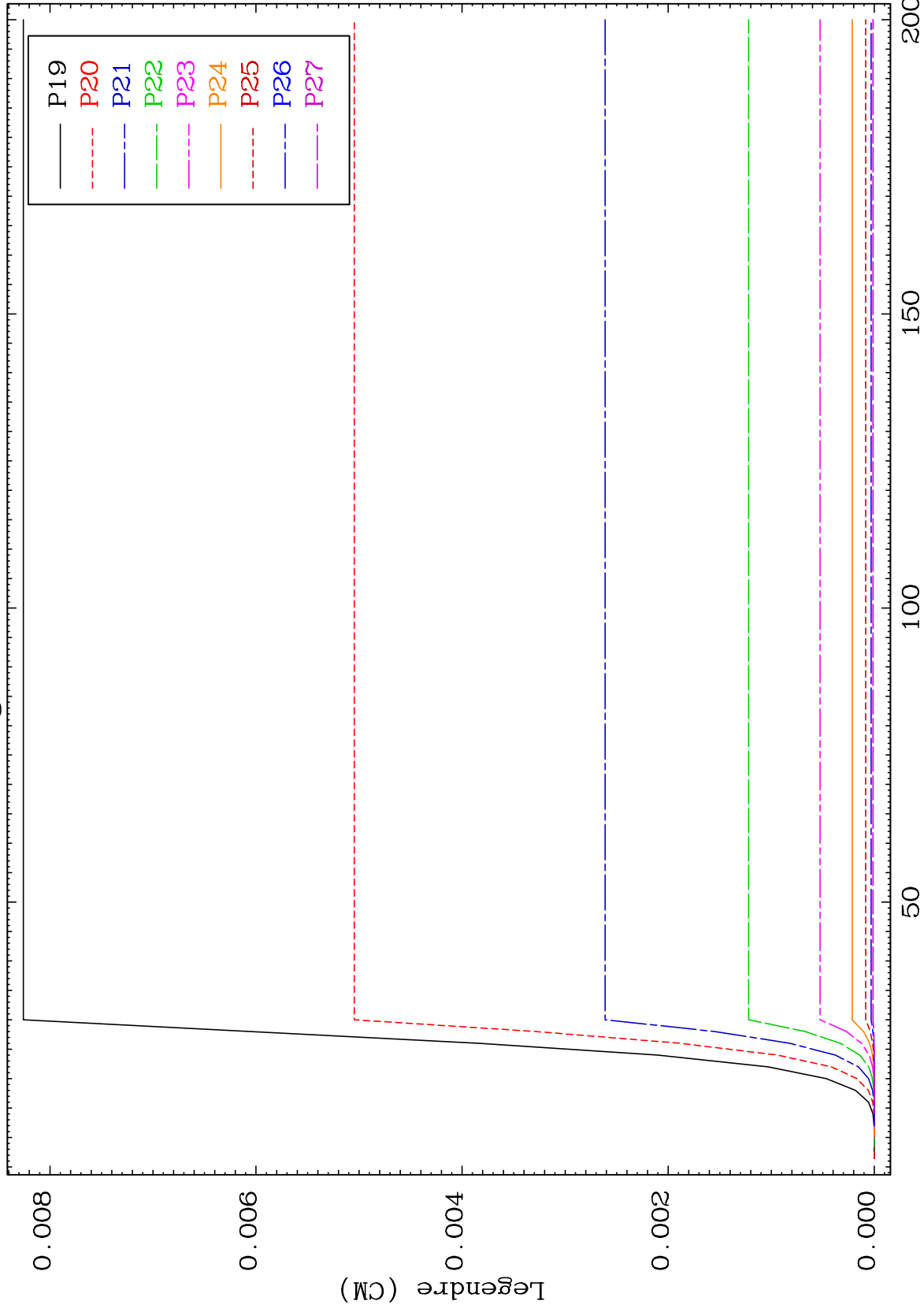
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



35

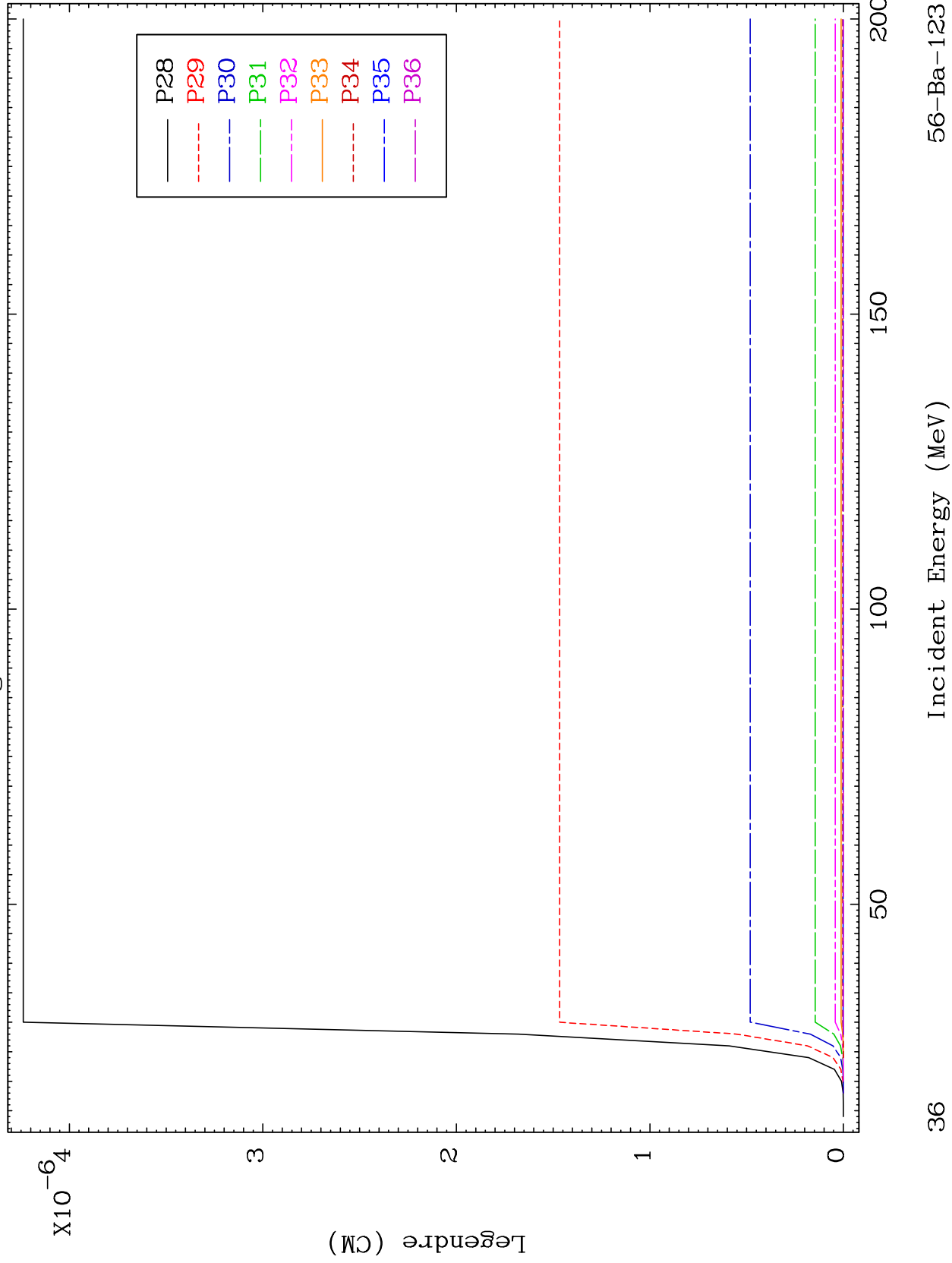
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

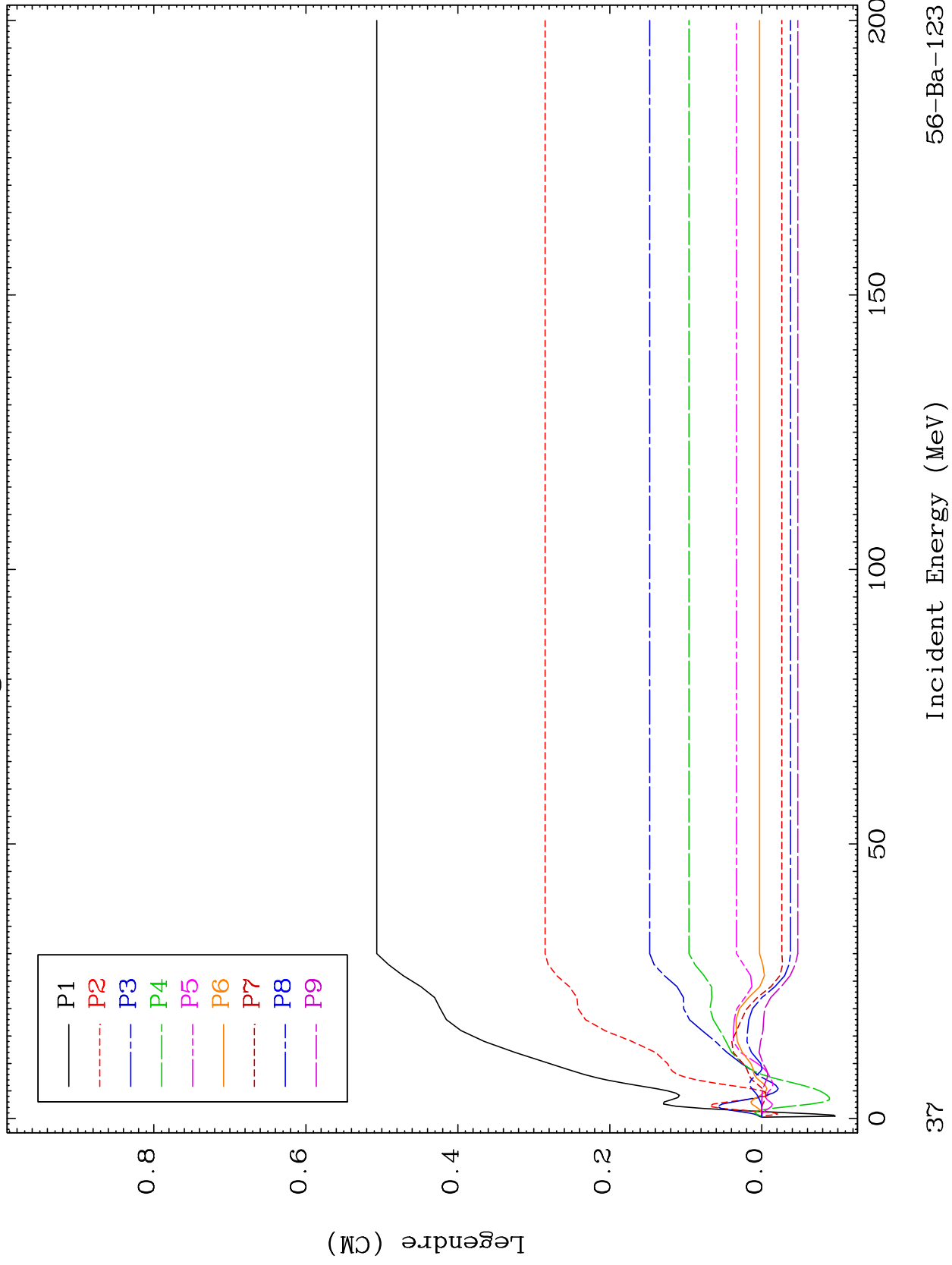
56-Ba-123



MAT 5604

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

56-Ba-123



56-Ba-123

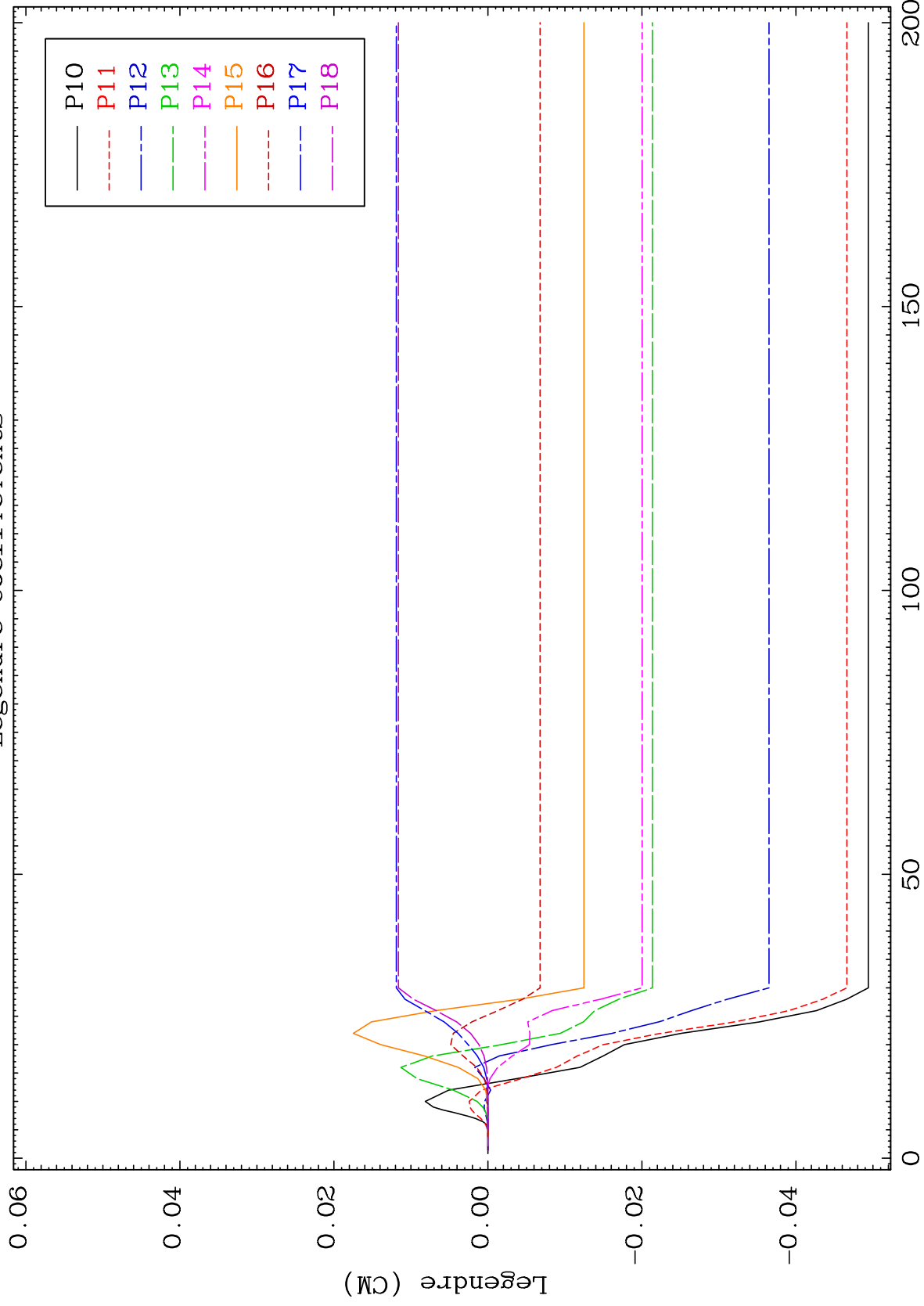
Incident Energy (MeV)

37

MAT 5604

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

56-Ba-123



38

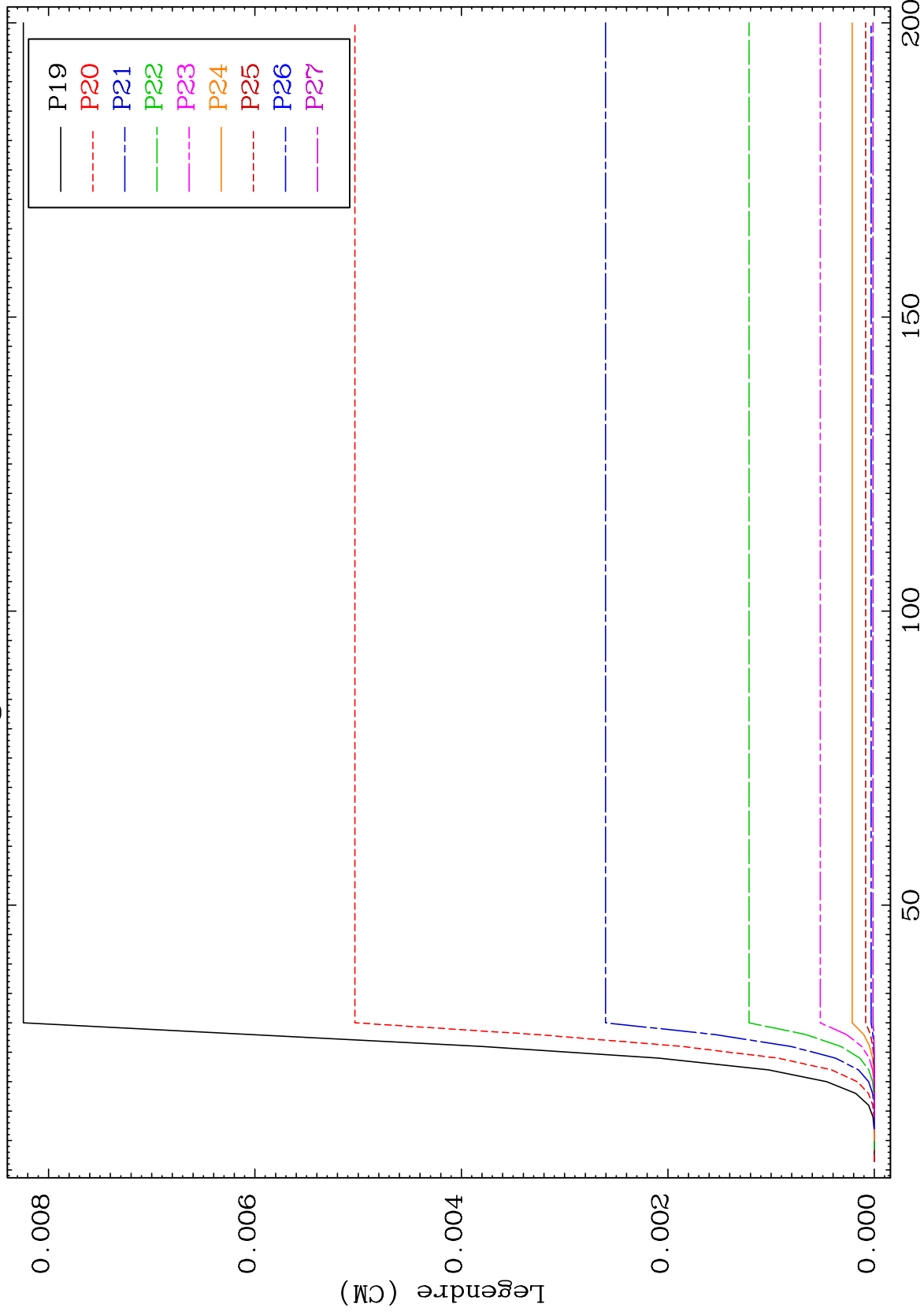
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



39

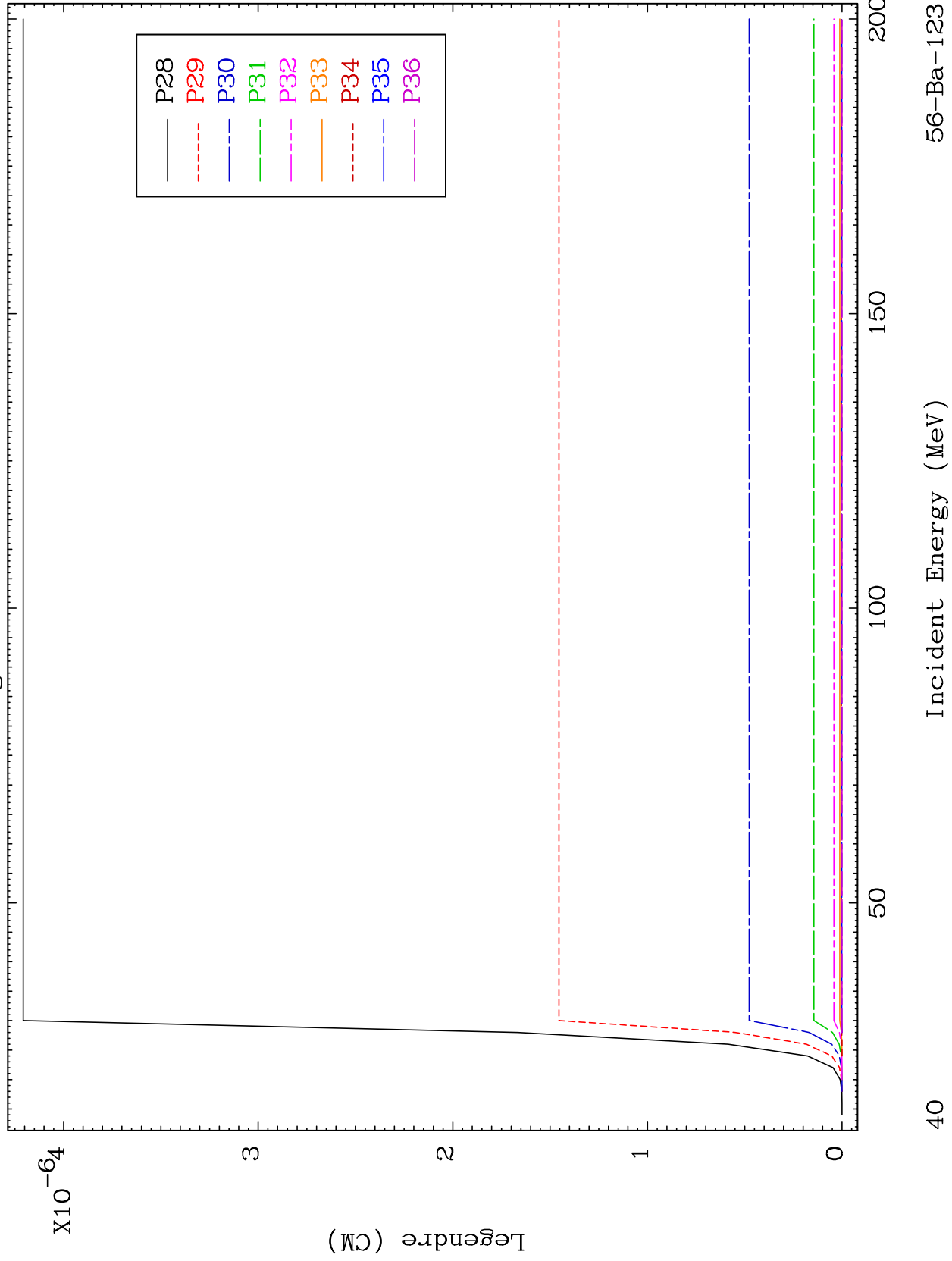
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

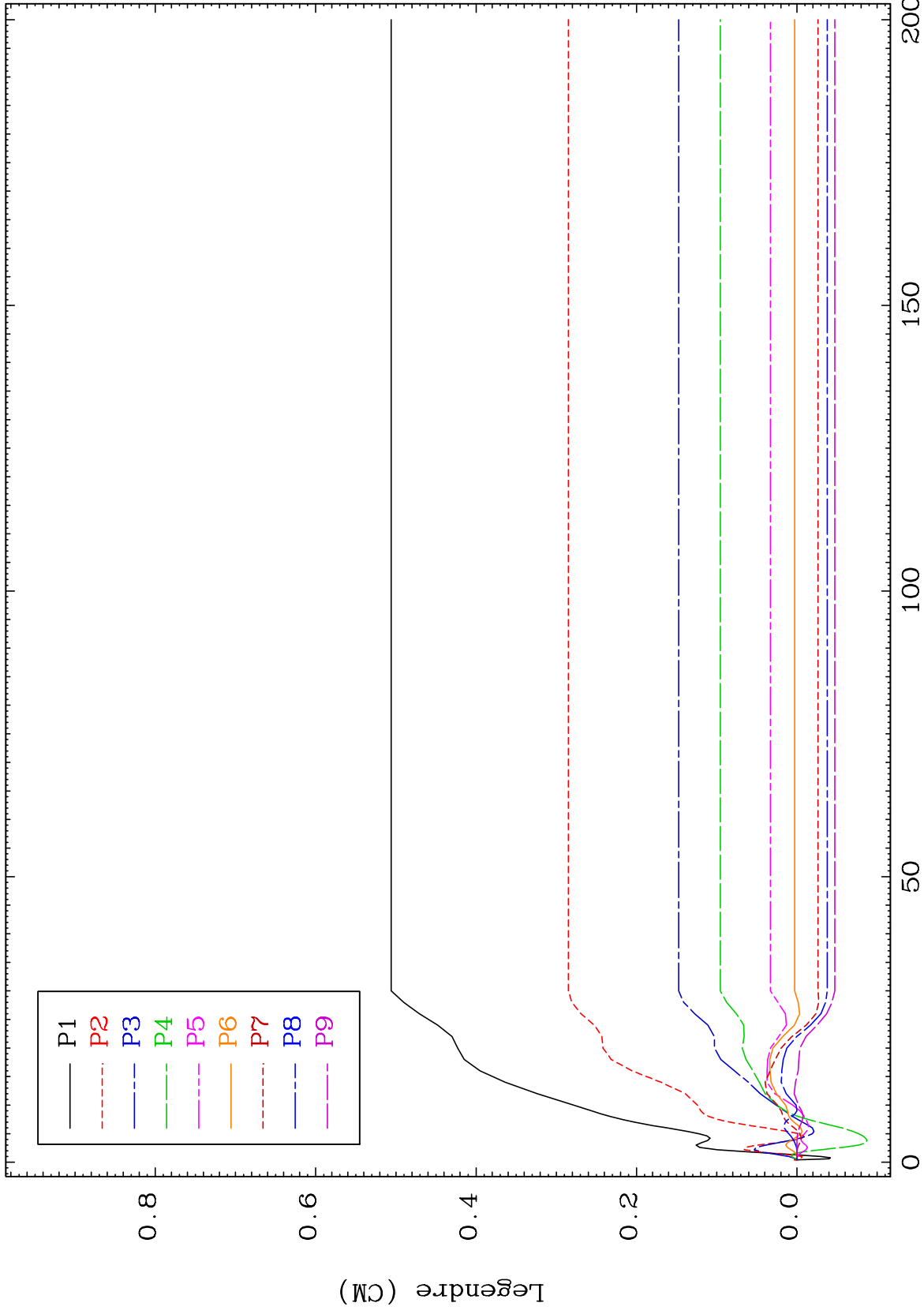
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MAT 5604

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

56-Ba-123



41

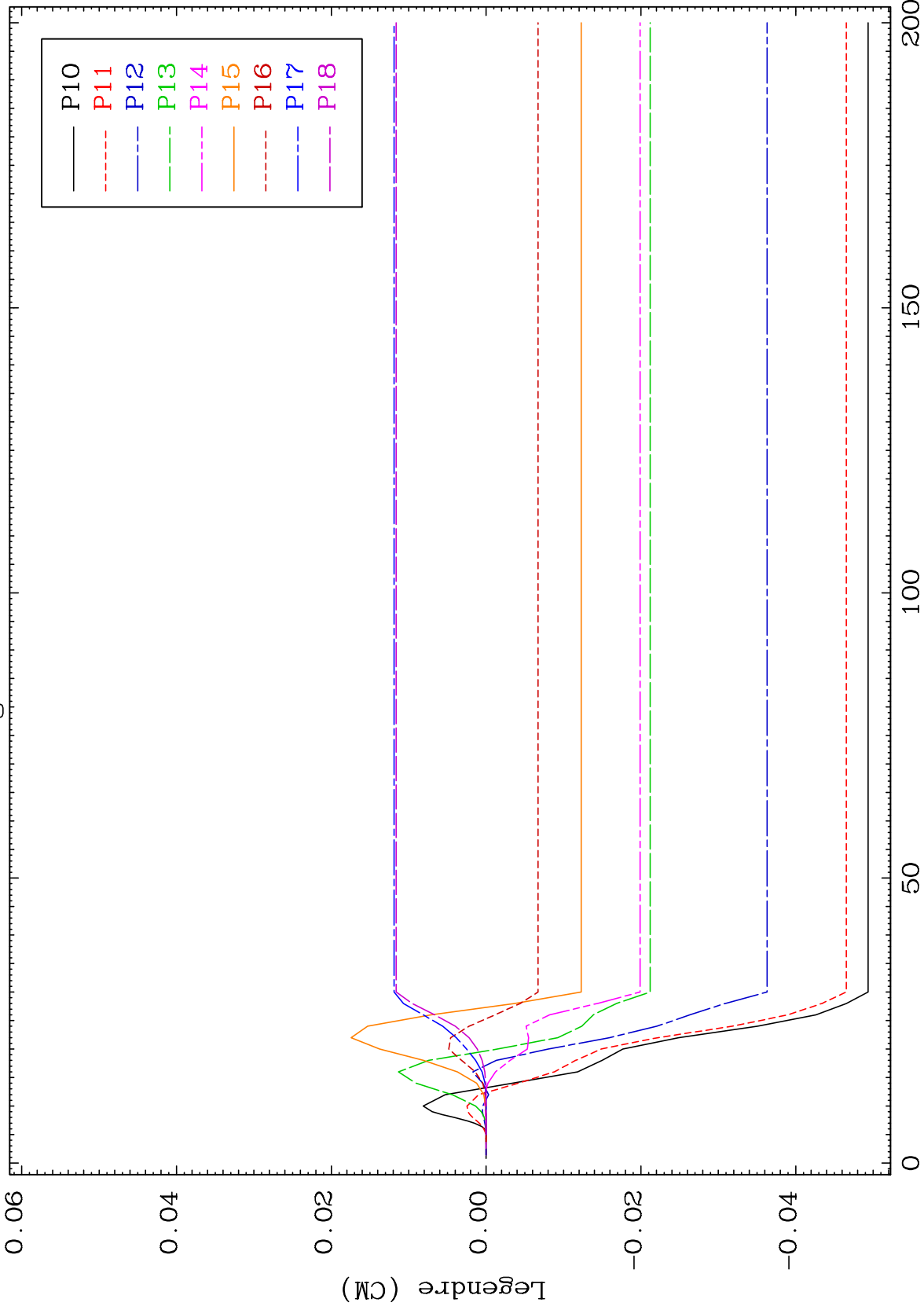
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



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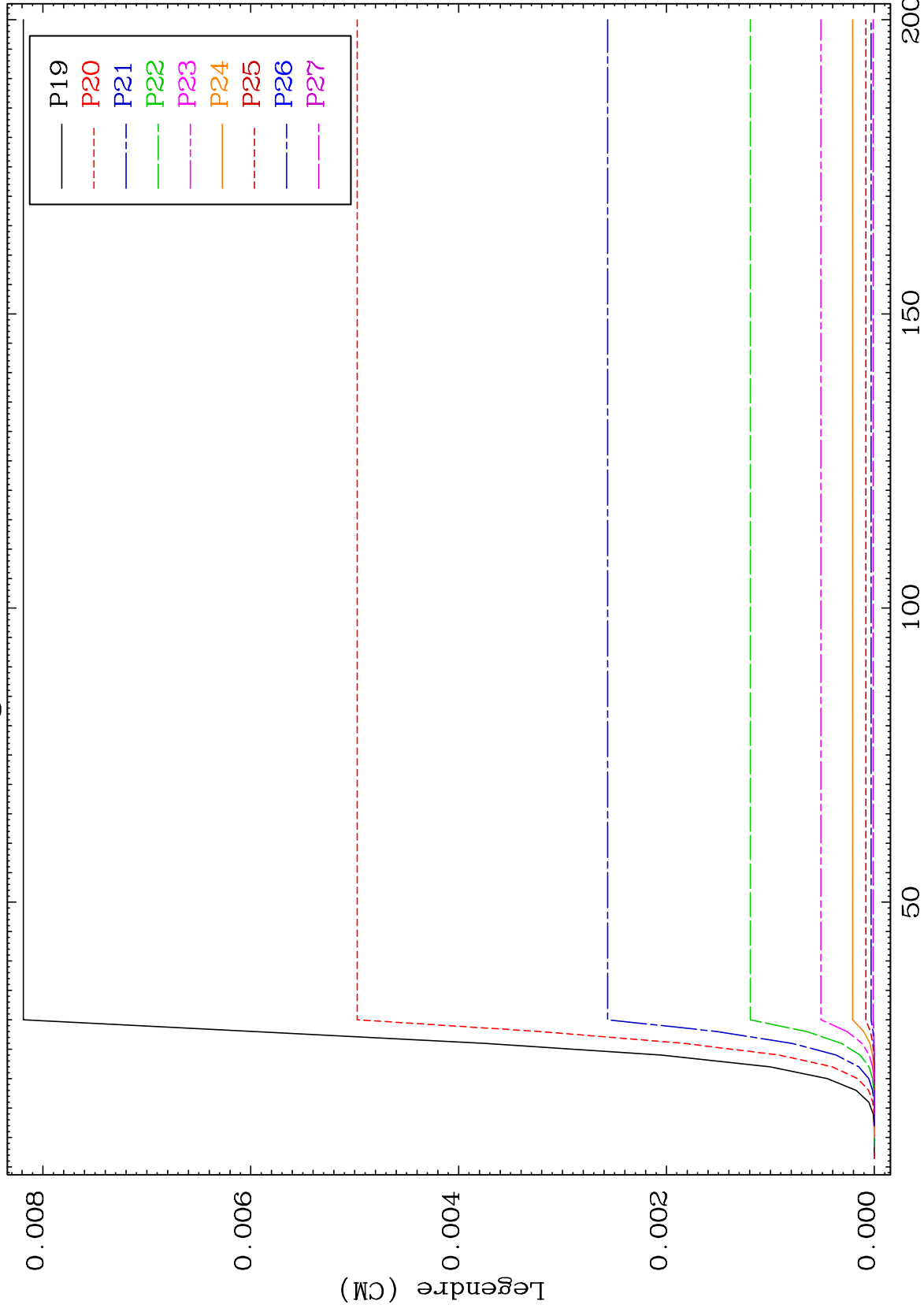
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



43

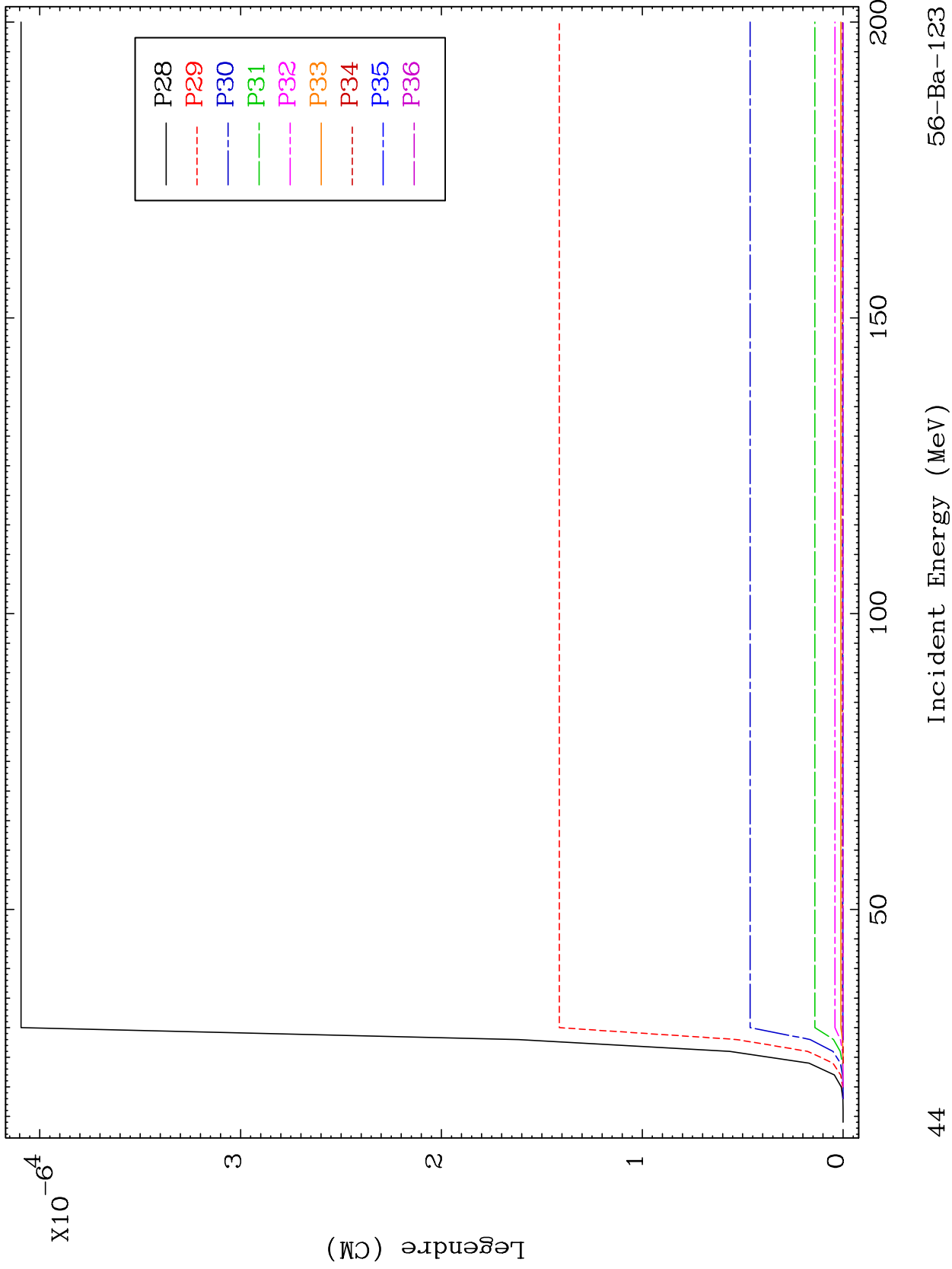
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123

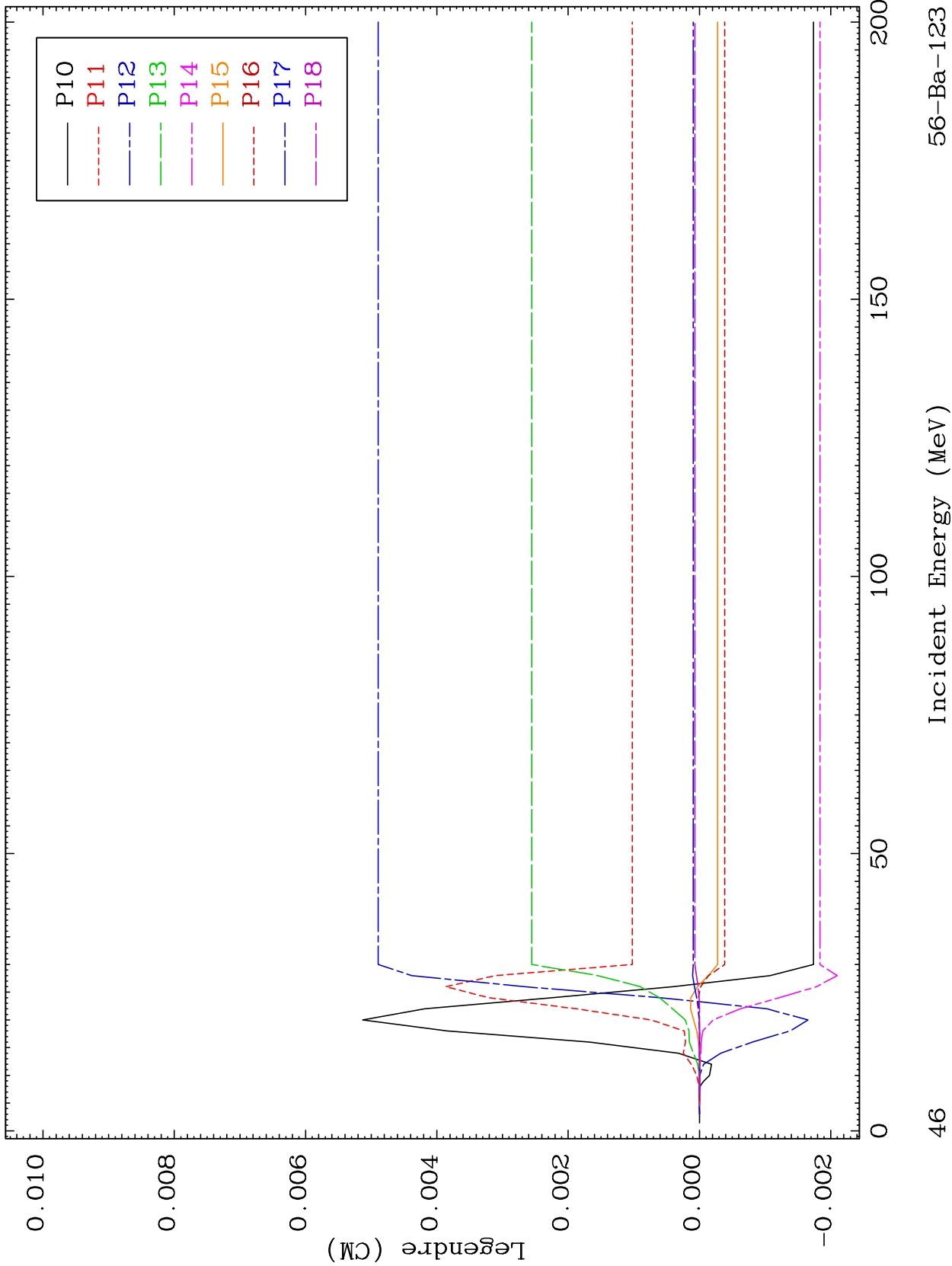




MAT 5604

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

56-Ba-123



56-Ba-123

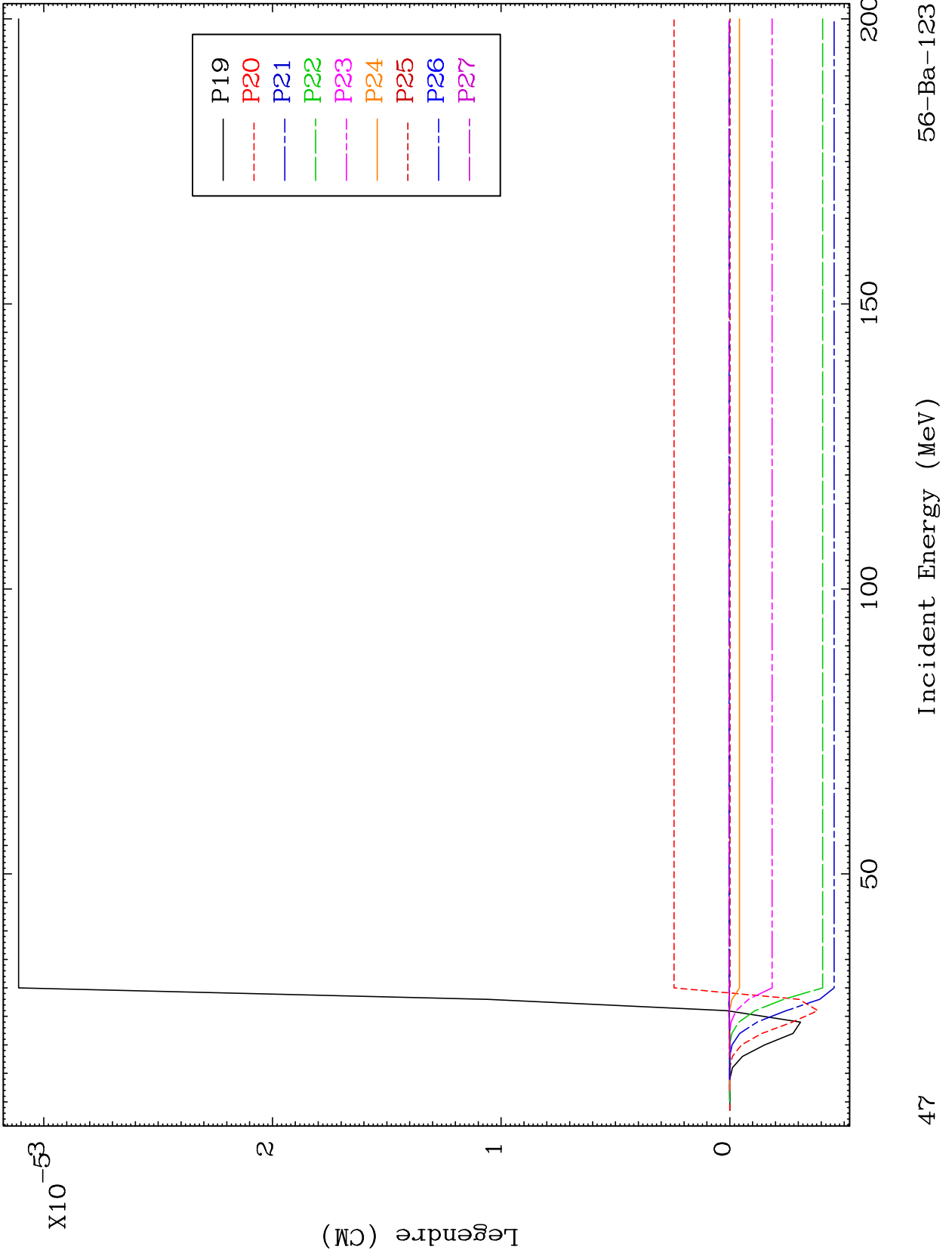
Incident Energy (MeV)

46

MAT 5604

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

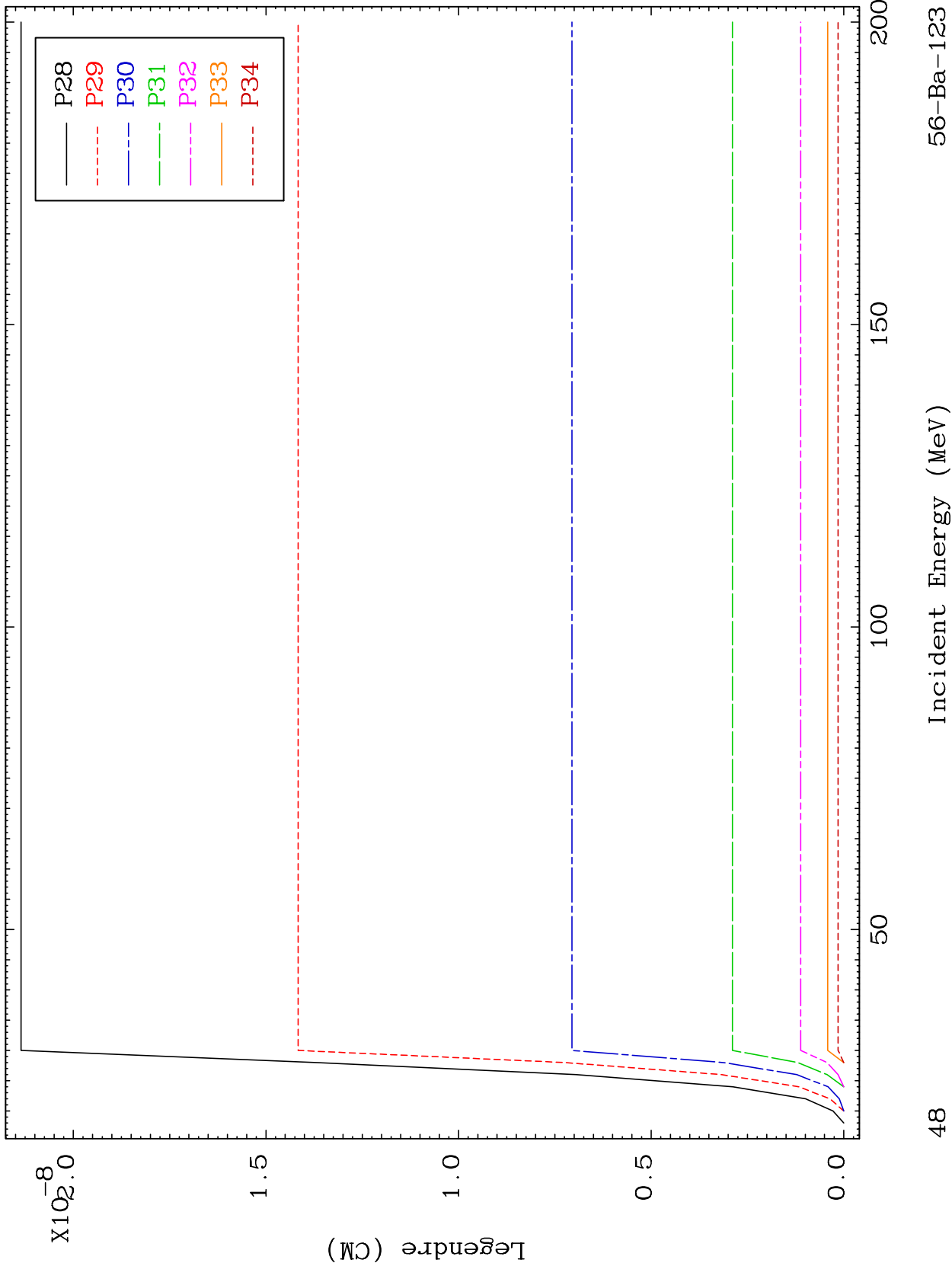
56-Ba-123



MAT 5604

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

56-Ba-123



48

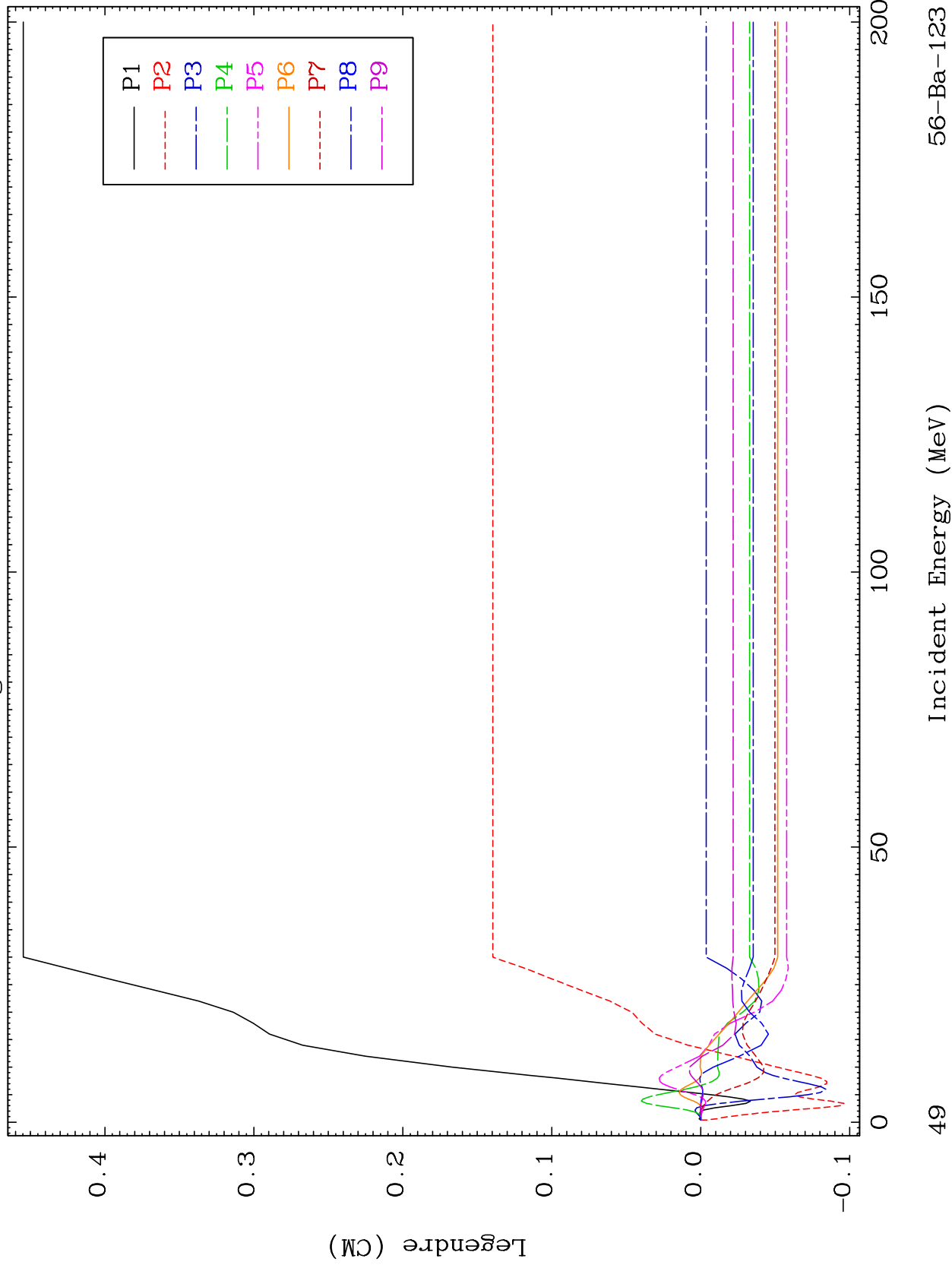
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

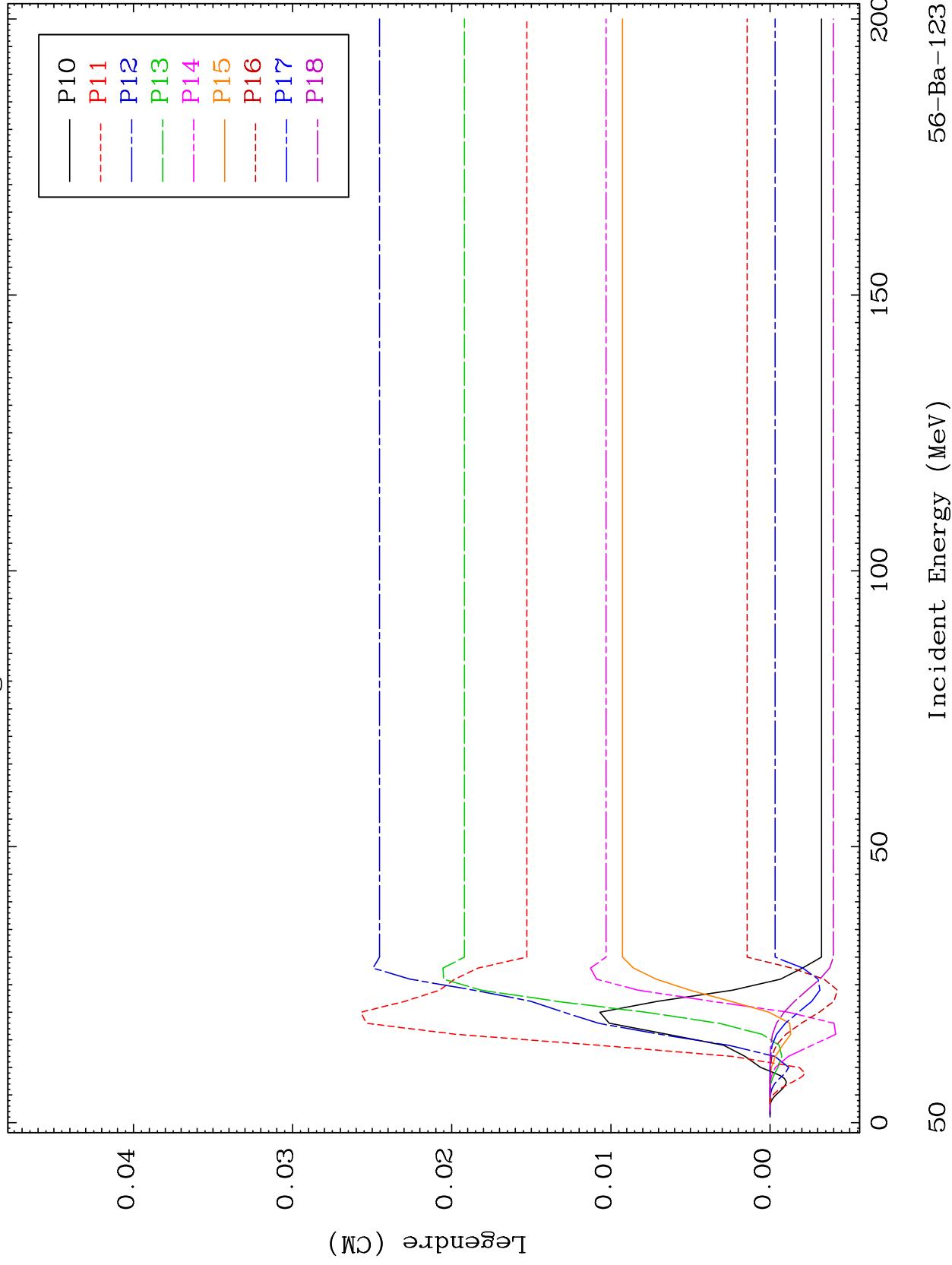
56-Ba-123



MAT 5604

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

56-Ba-123

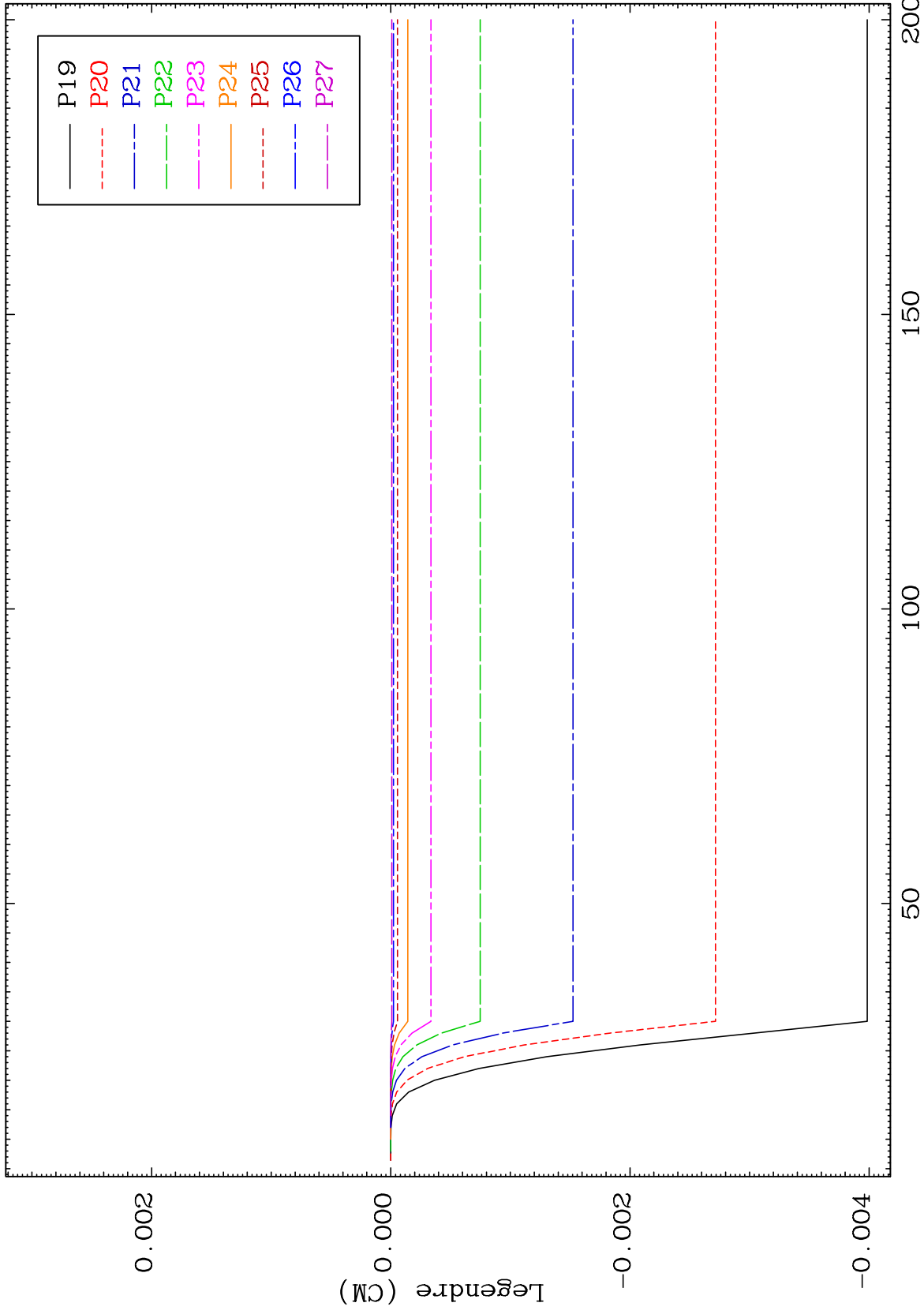


56-Ba-123

MAT 5604

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

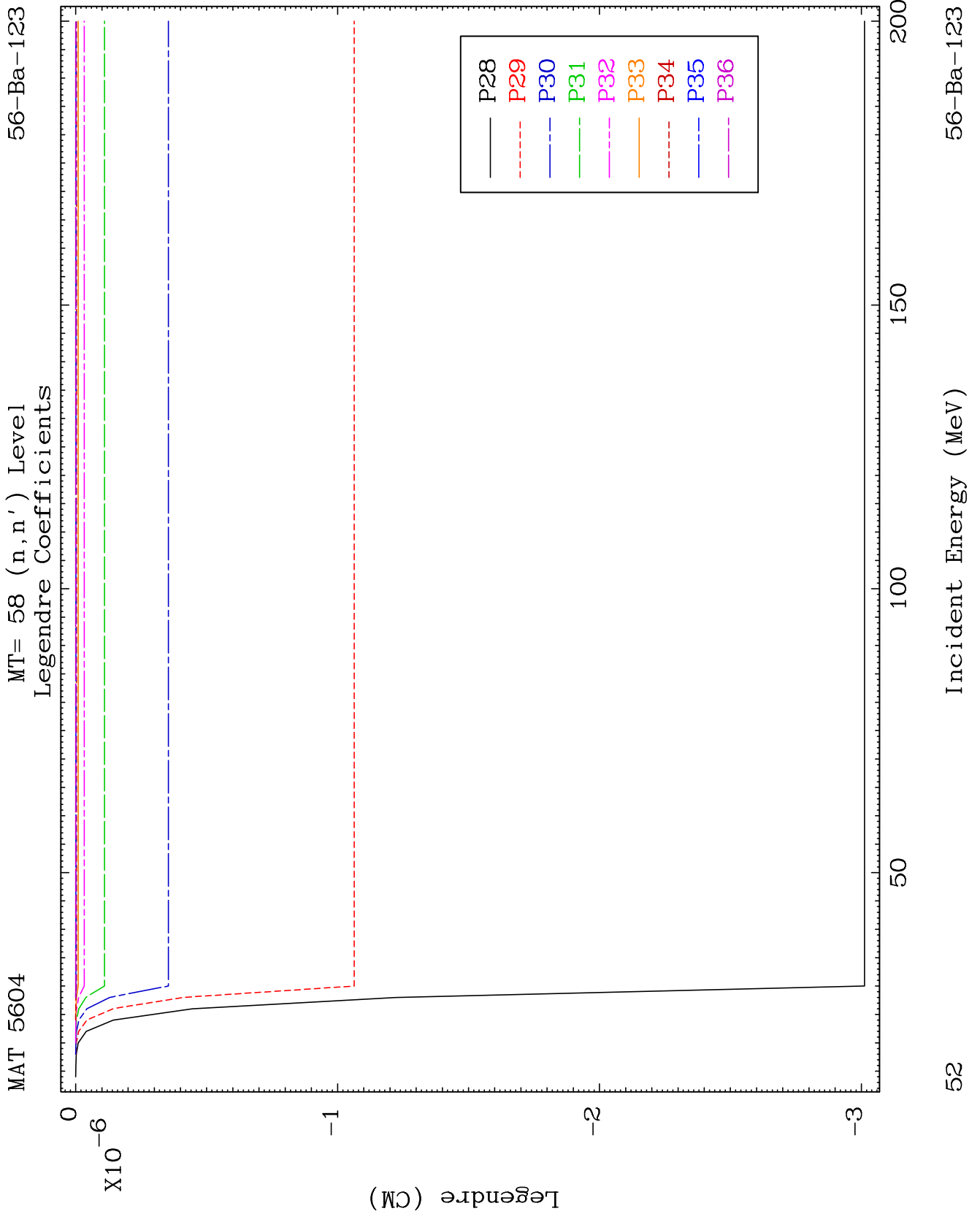
56-Ba-123



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Incident Energy (MeV)

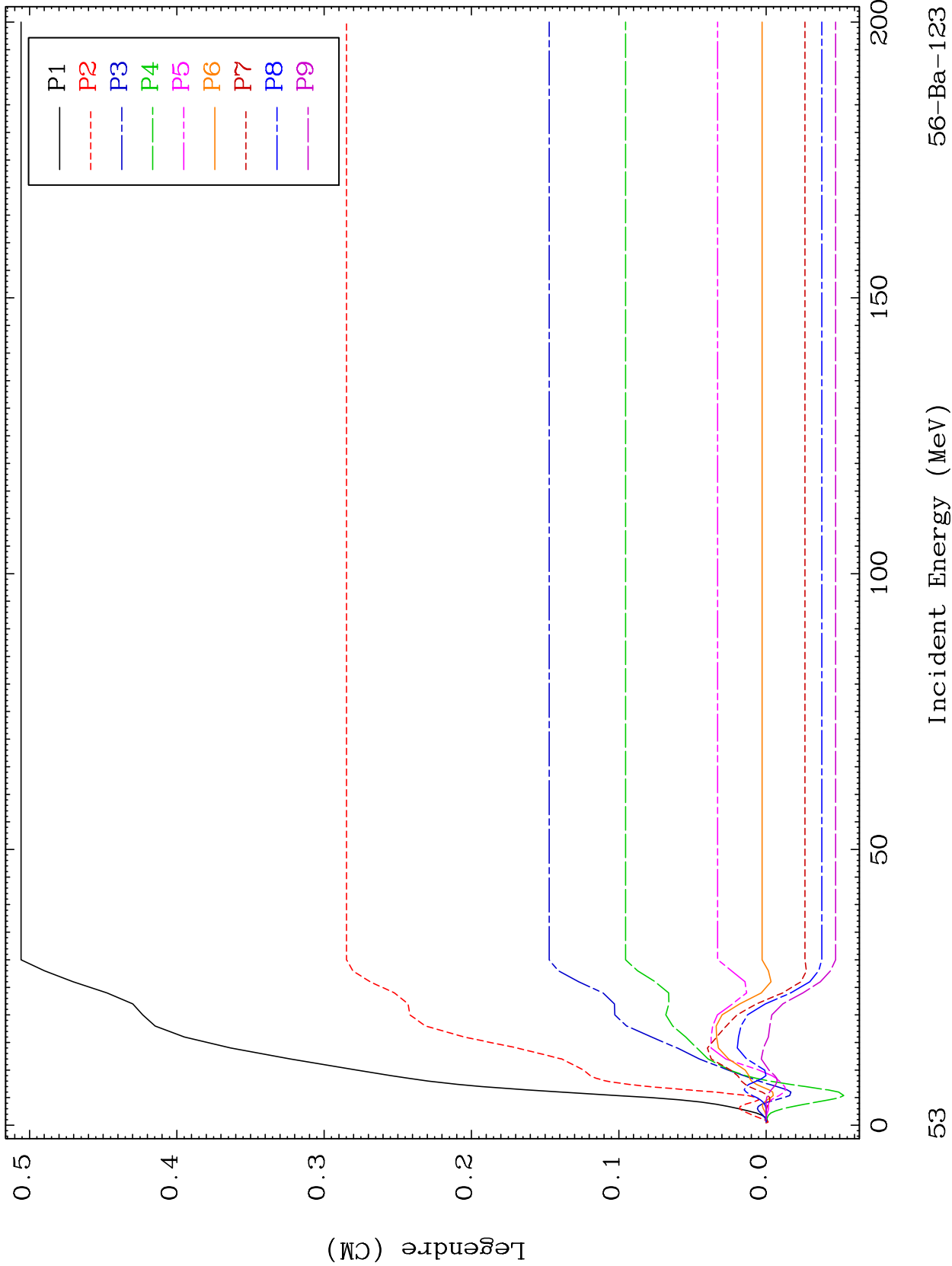
56-Ba-123



MAT 5604

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

56-Ba-123



56-Ba-123

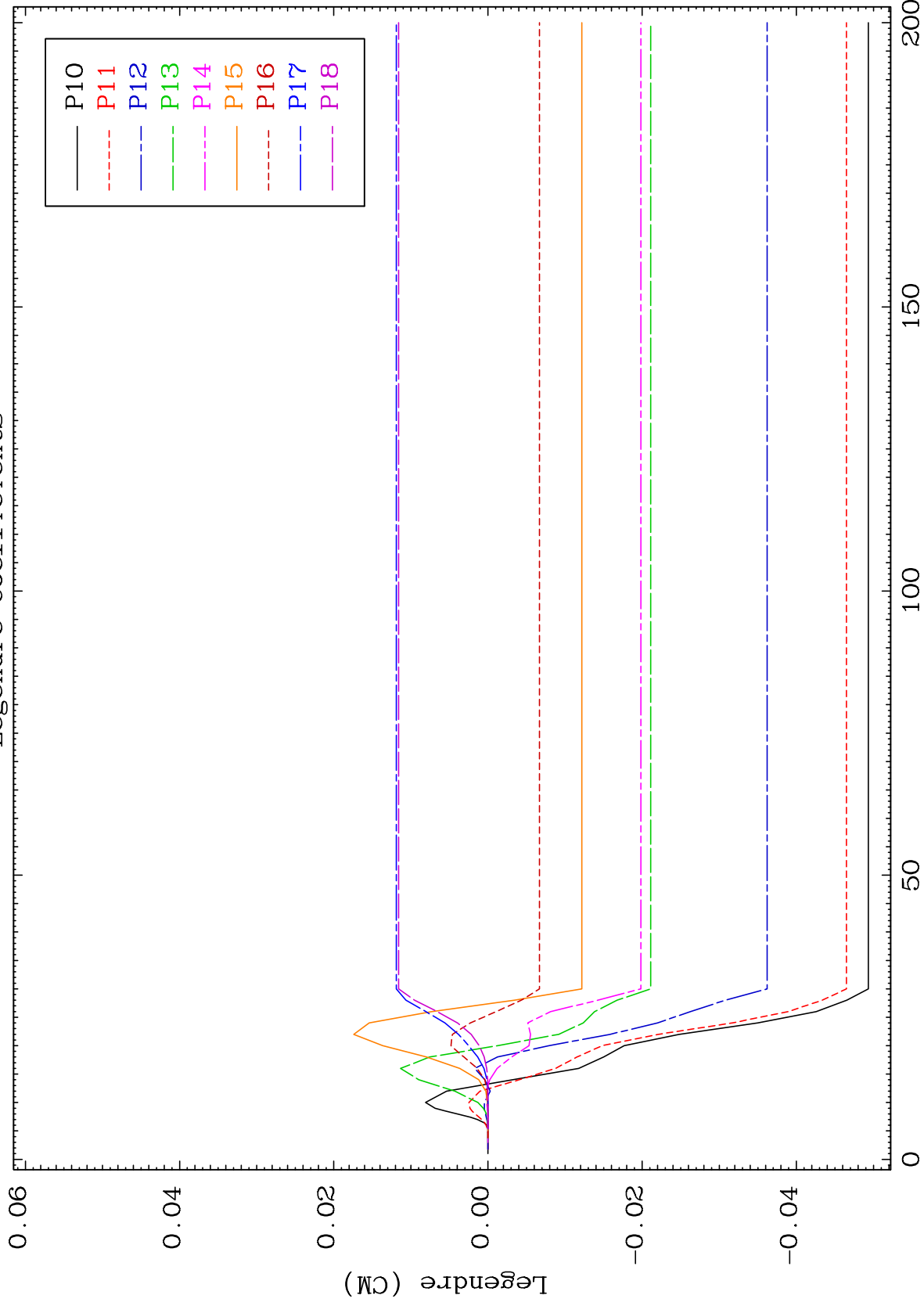
Incident Energy (MeV)

53

MAT 5604

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

56-Ba-123



54

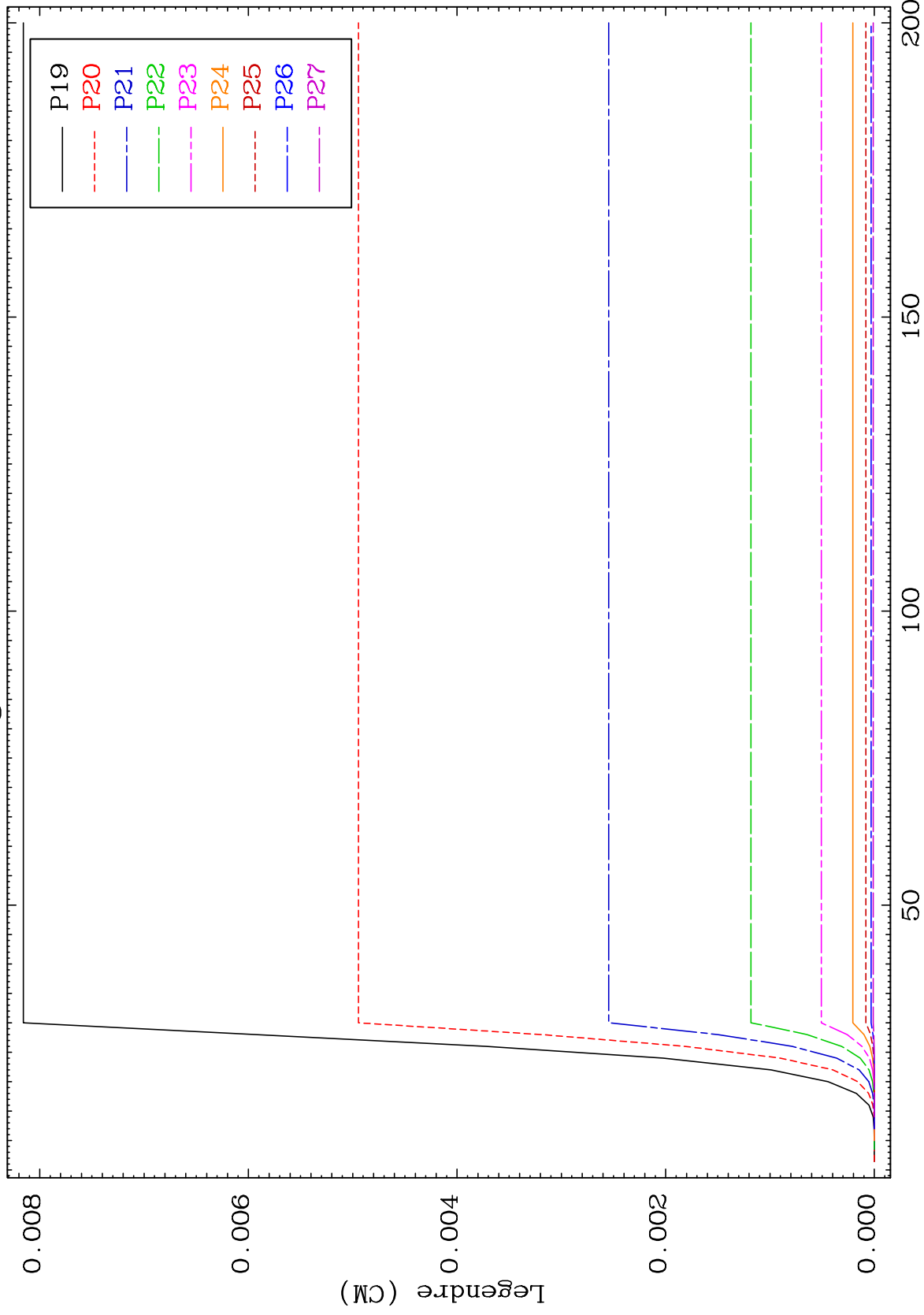
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



55

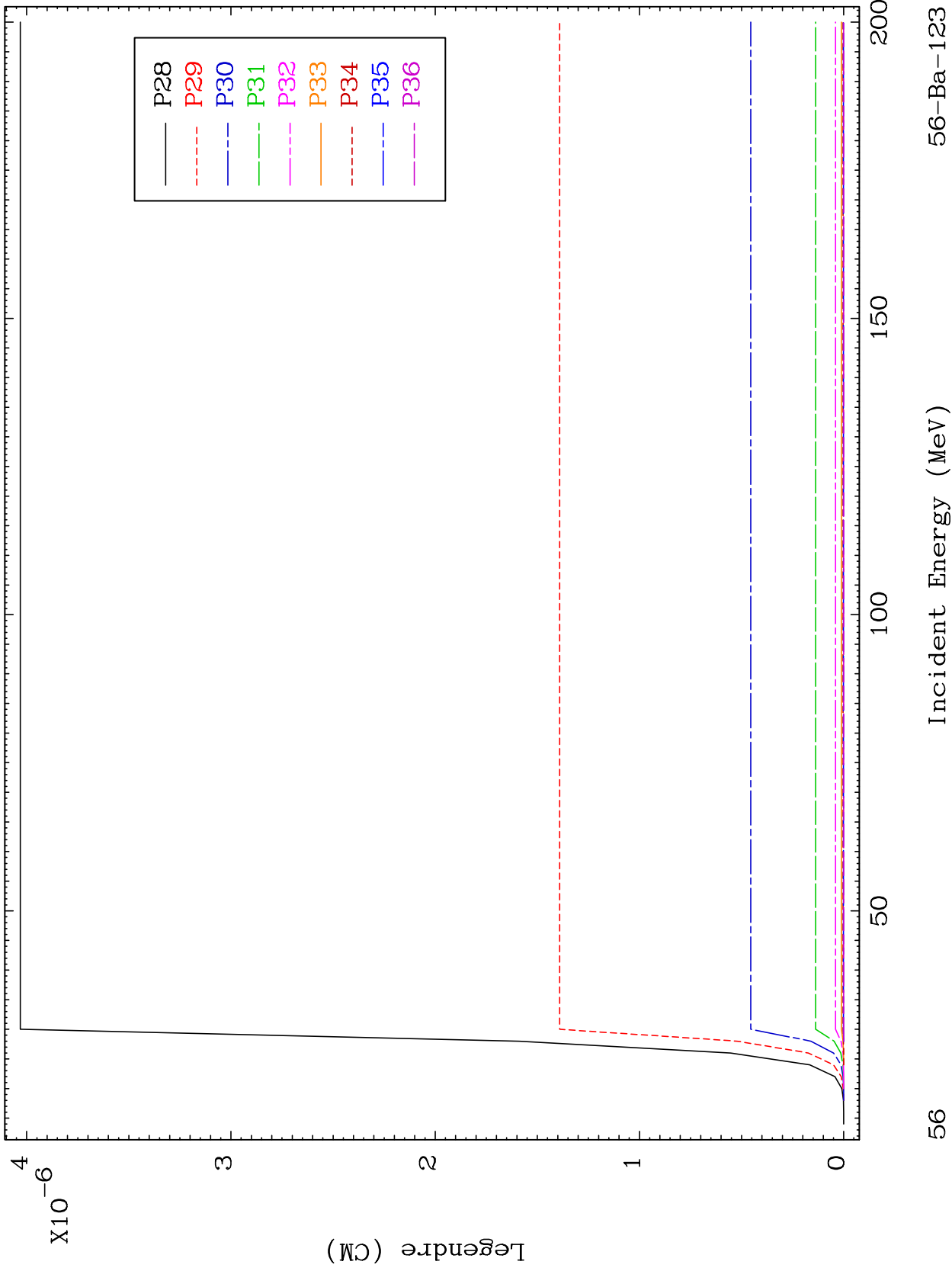
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



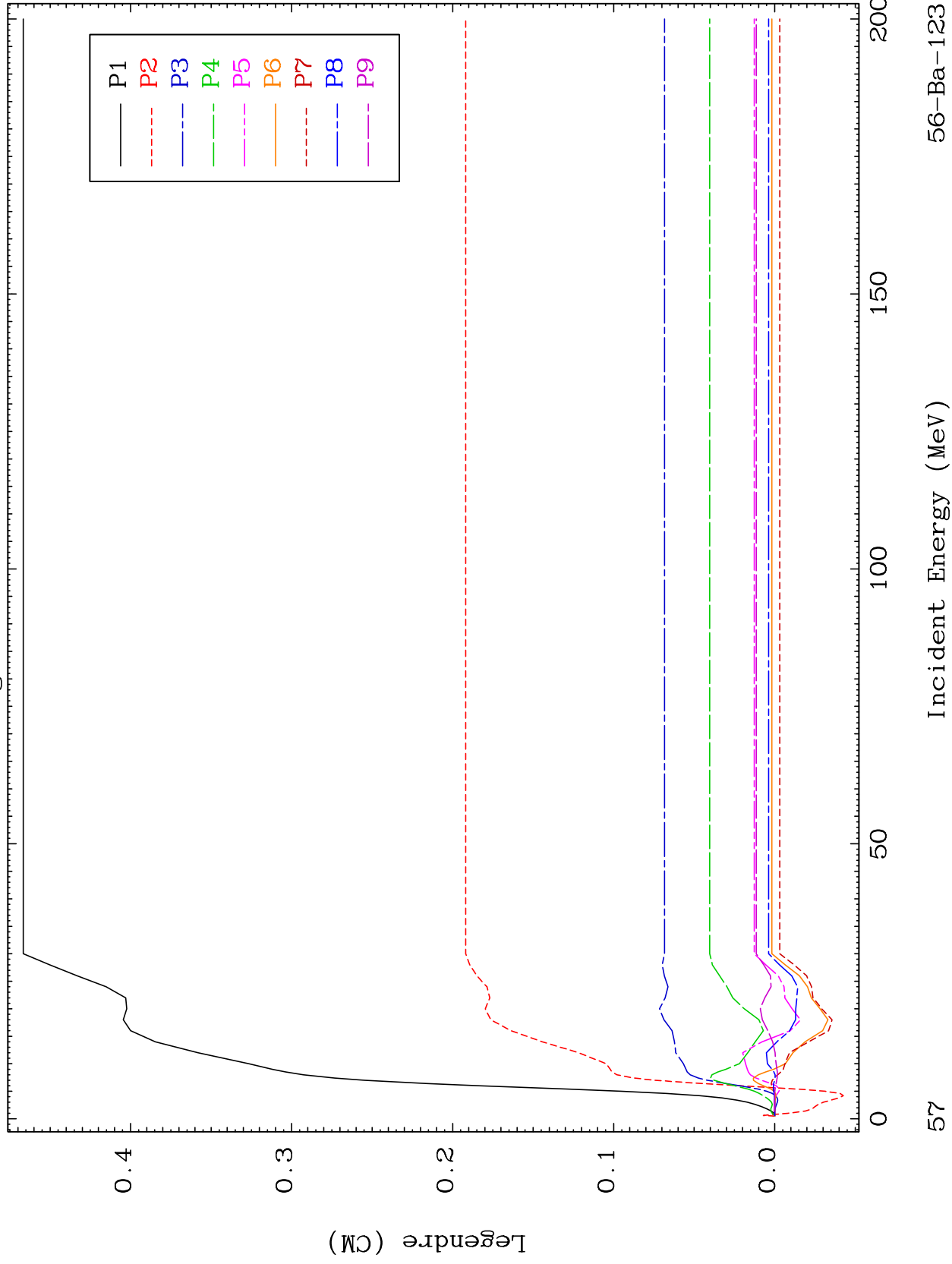
56

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

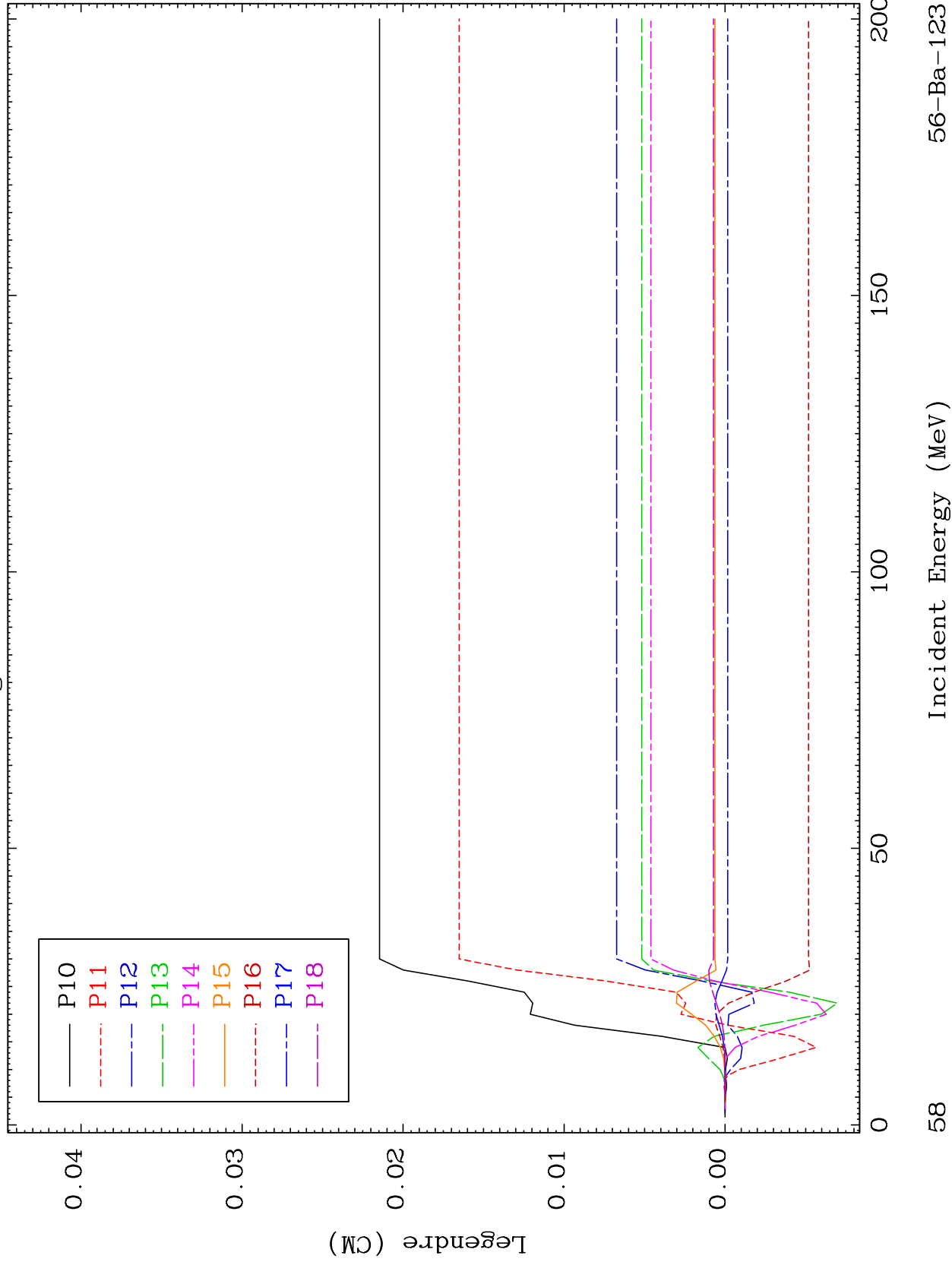
Incident Energy (MeV)

57

MAT 5604

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

56-Ba-123



56-Ba-123

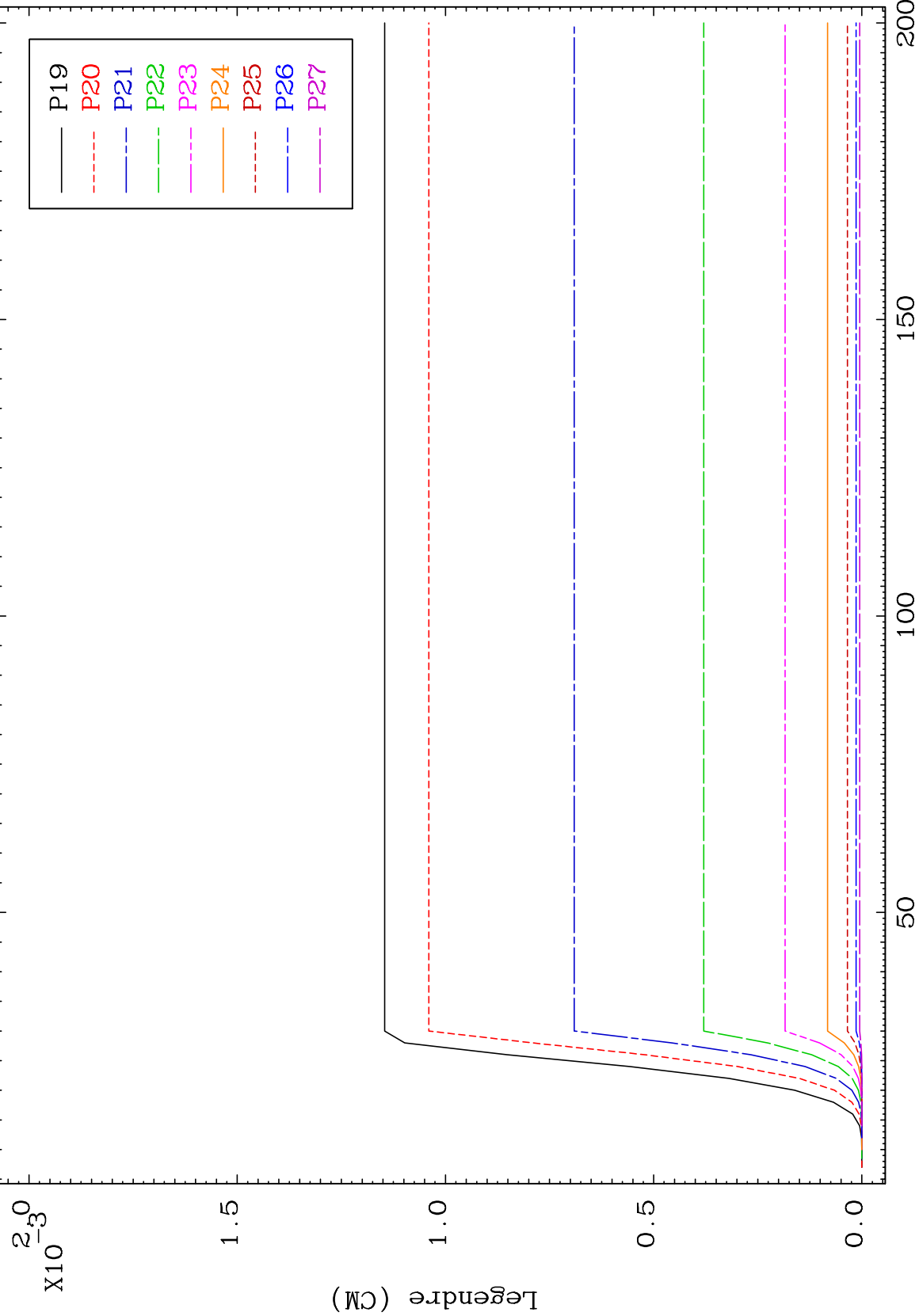
Incident Energy (MeV)

58

MAT 5604

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

56-Ba-123



59

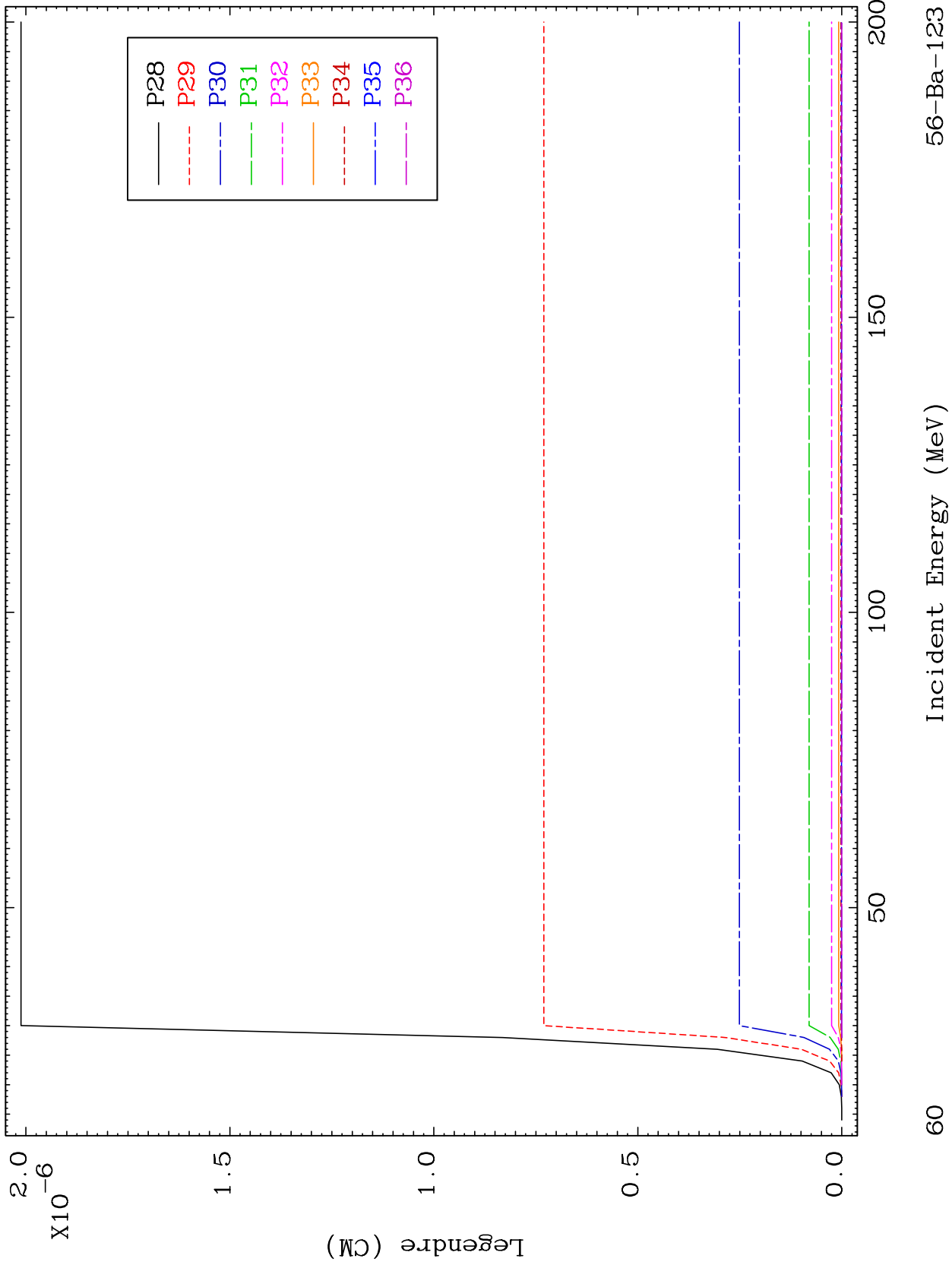
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

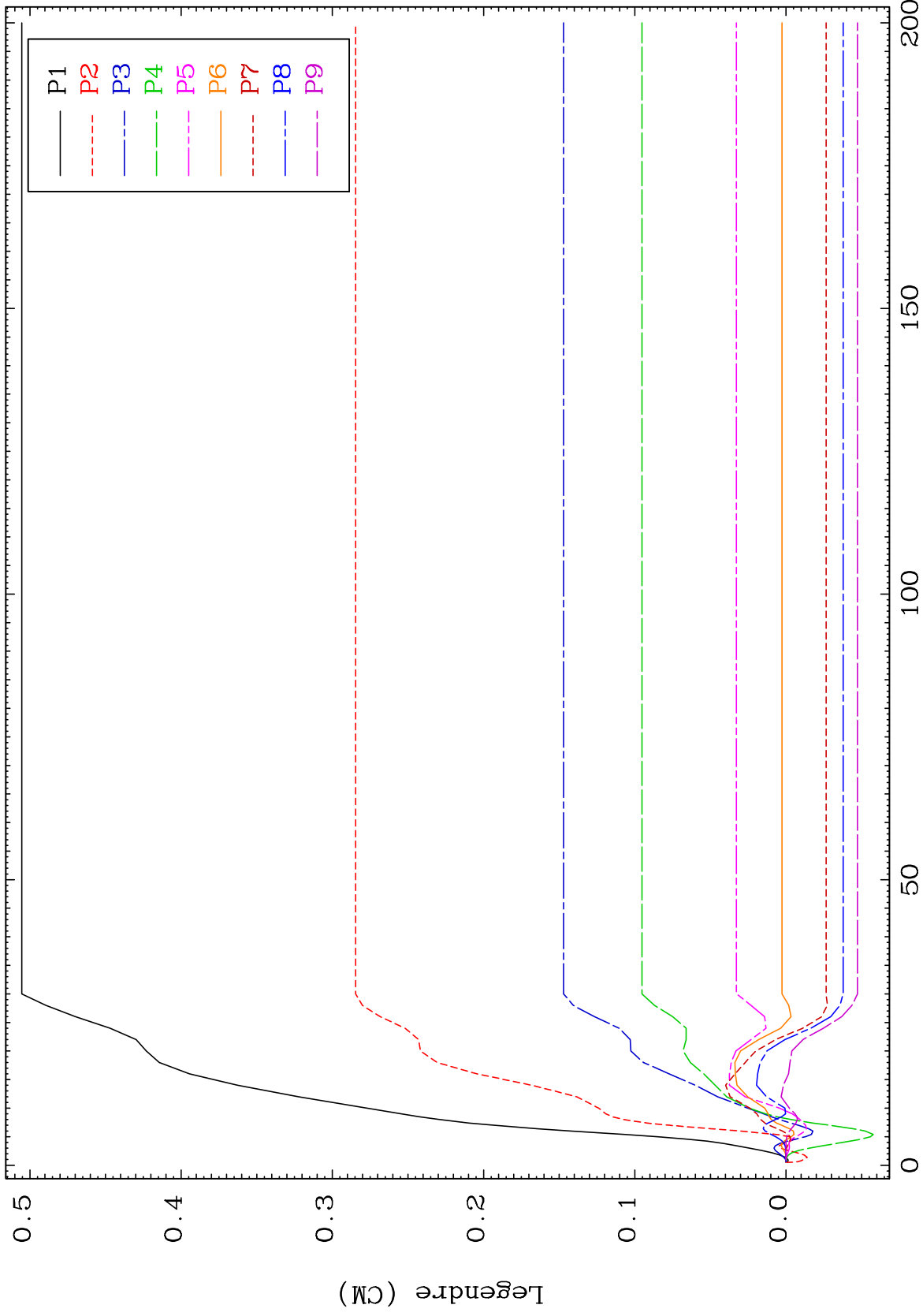
Incident Energy (MeV)

60

MAT 5604

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

56-Ba-123



61

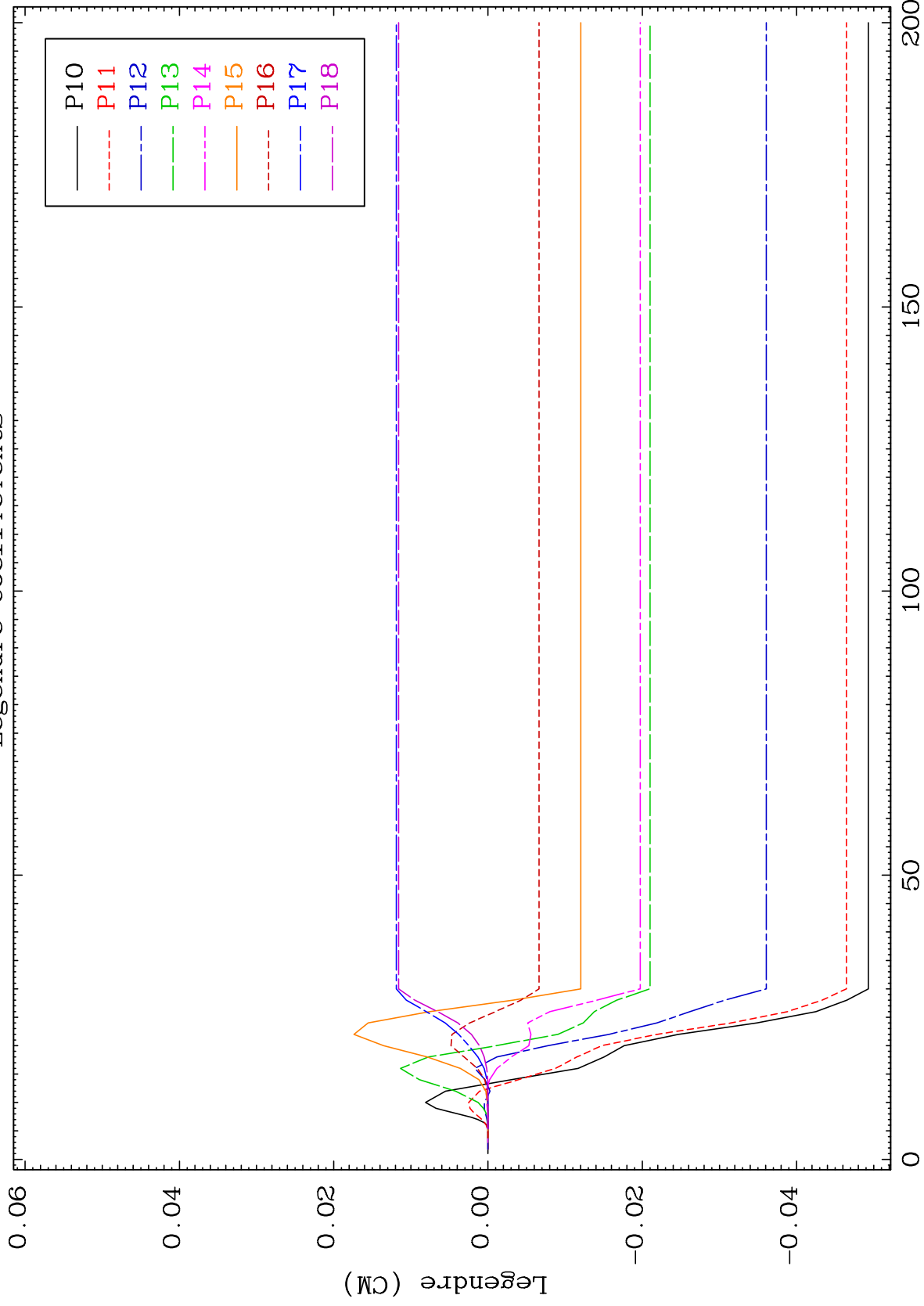
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



62

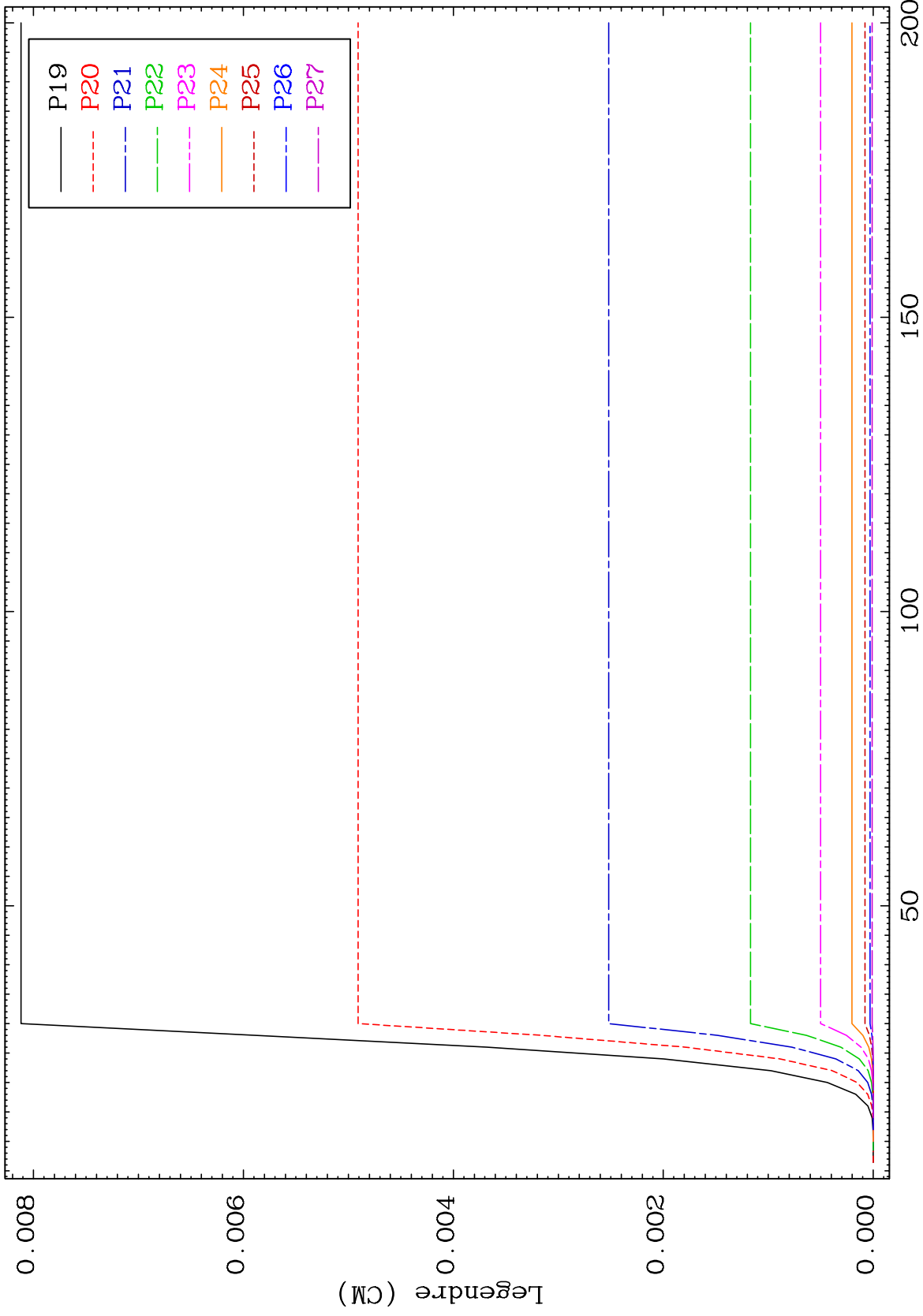
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

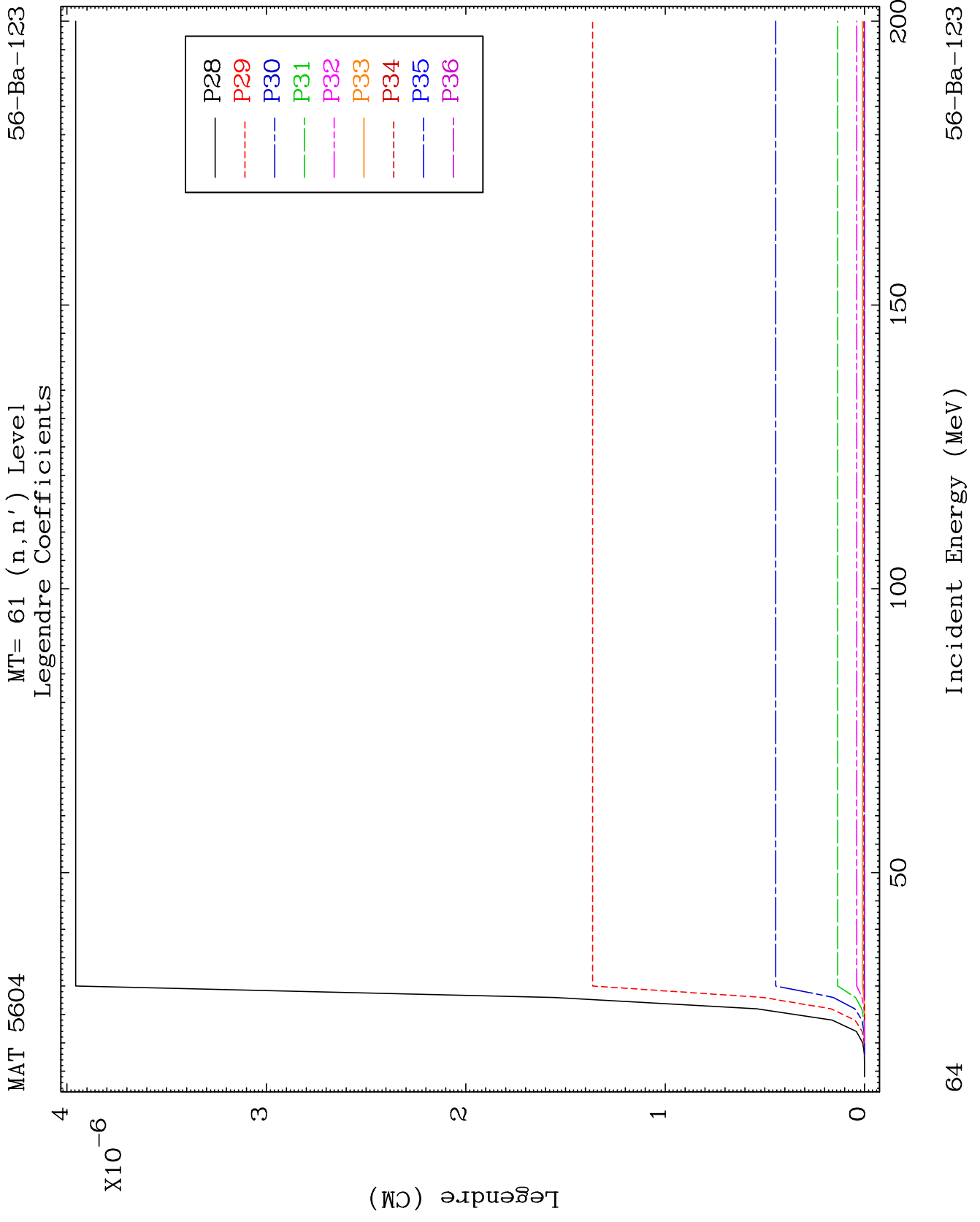
56-Ba-123



63

Incident Energy (MeV)

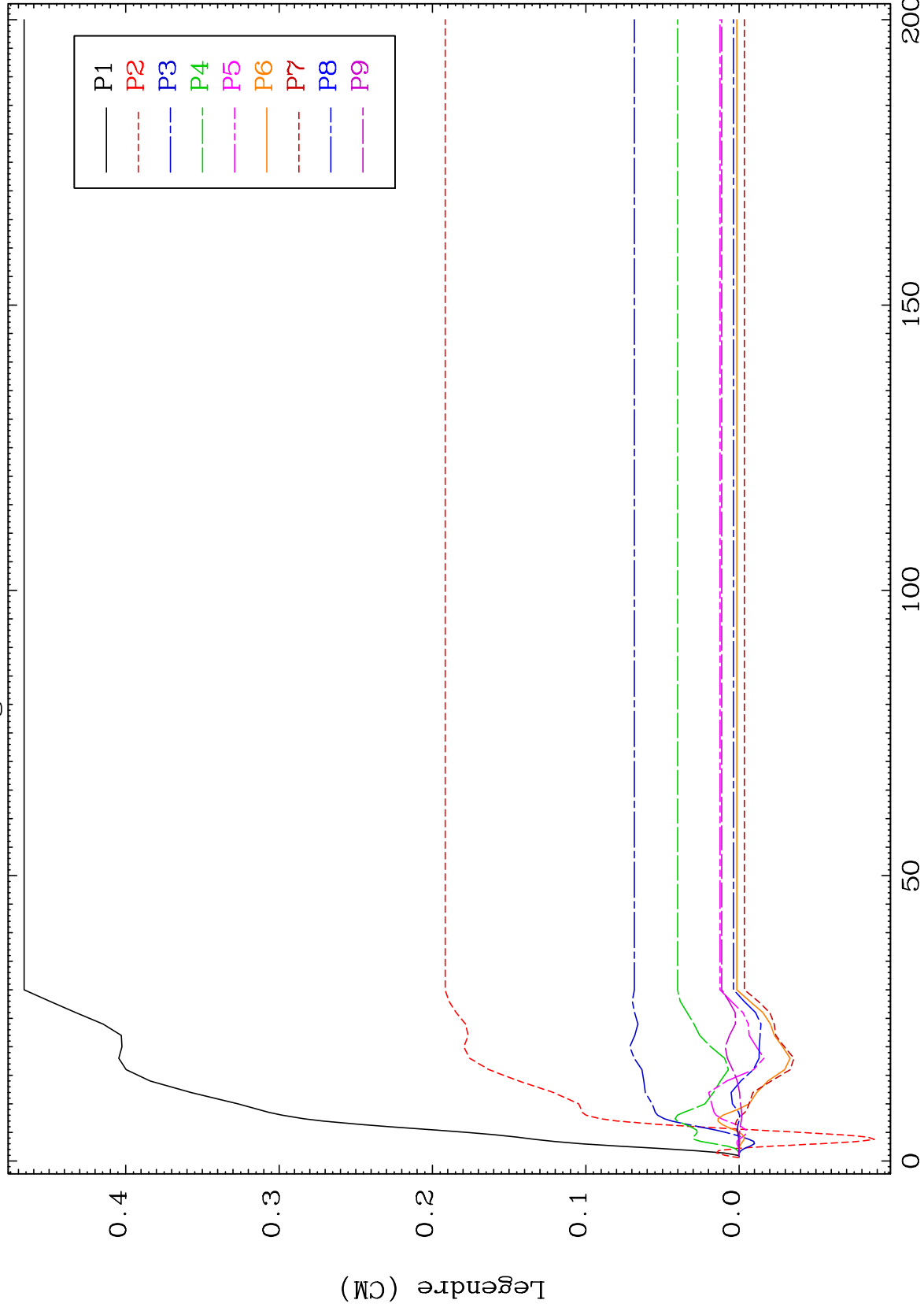
56-Ba-123



MAT 5604

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

56-Ba-123



65

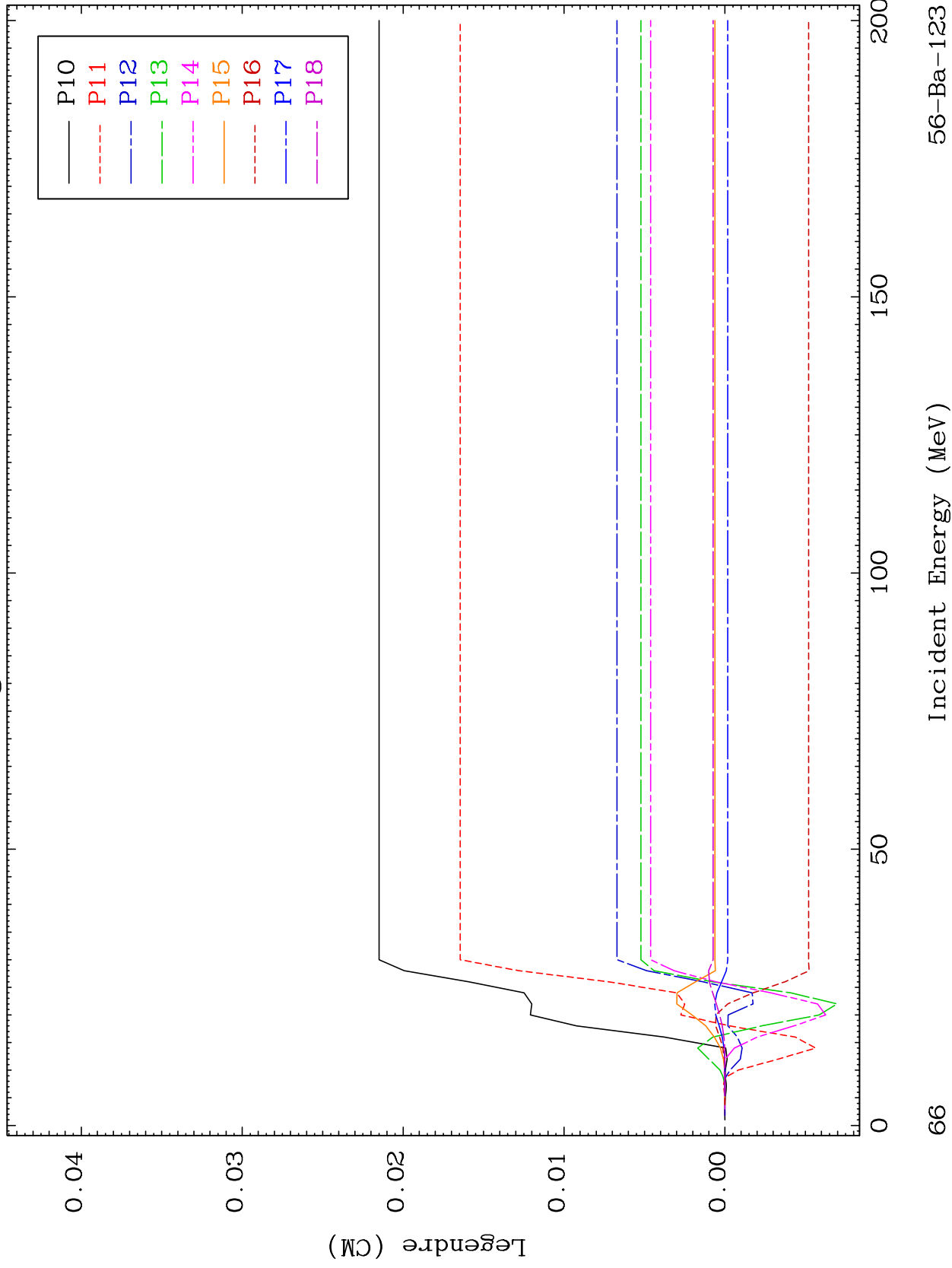
56-Ba-123

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

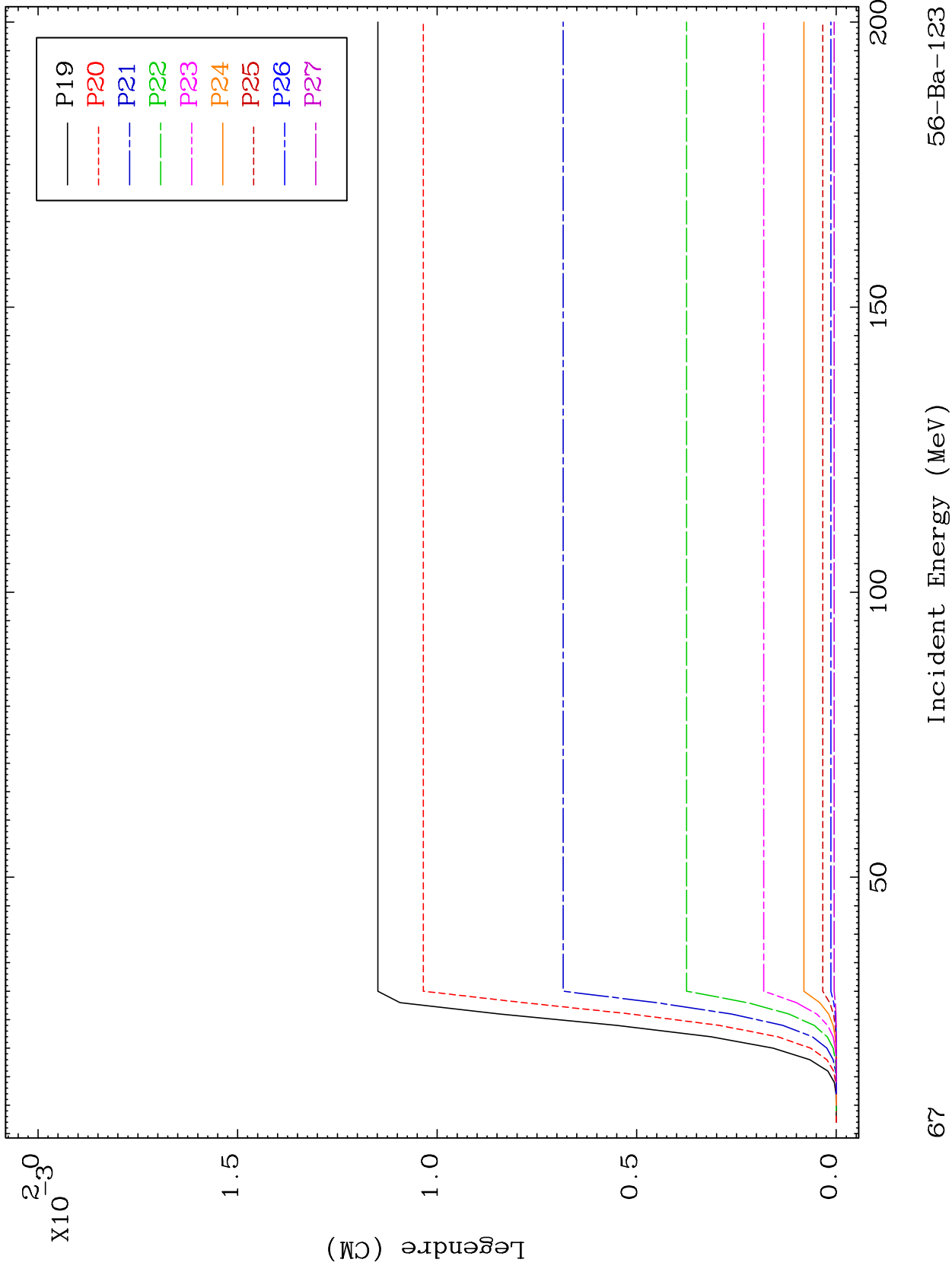
Incident Energy (MeV)

66

MAT 5604

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

56-Ba-123

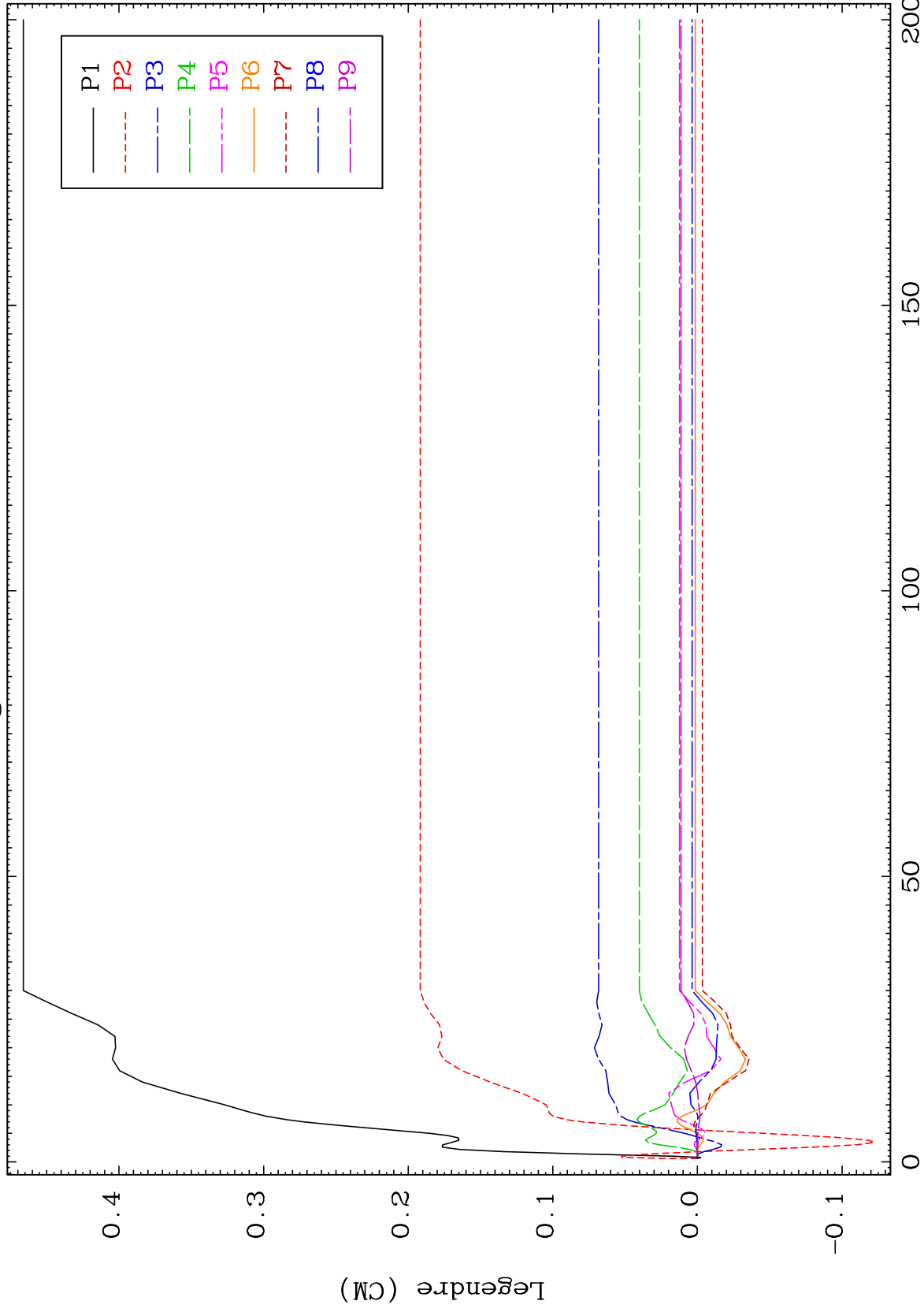




MAT 5604

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

56-Ba-123



69

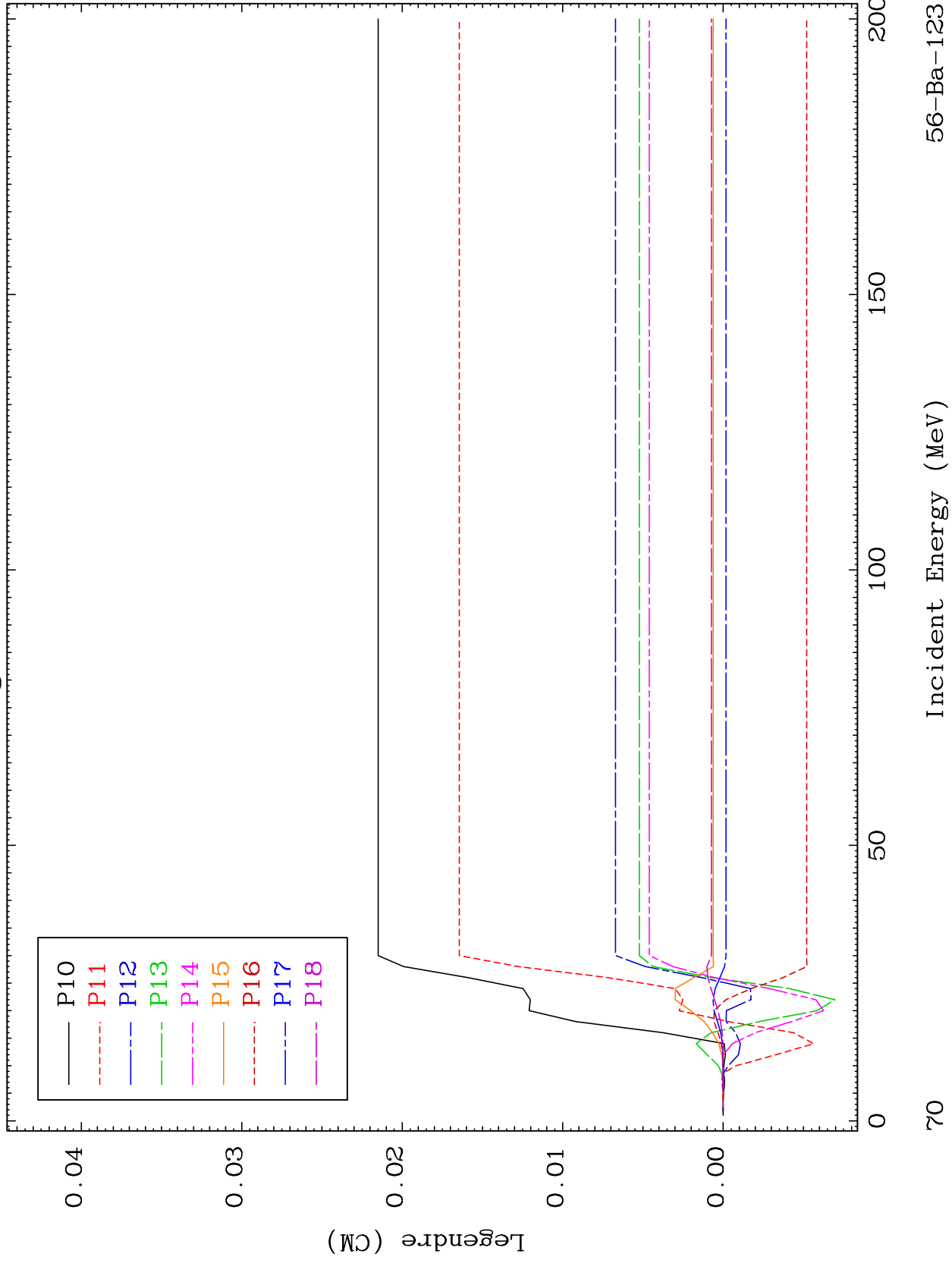
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



56-Ba-123

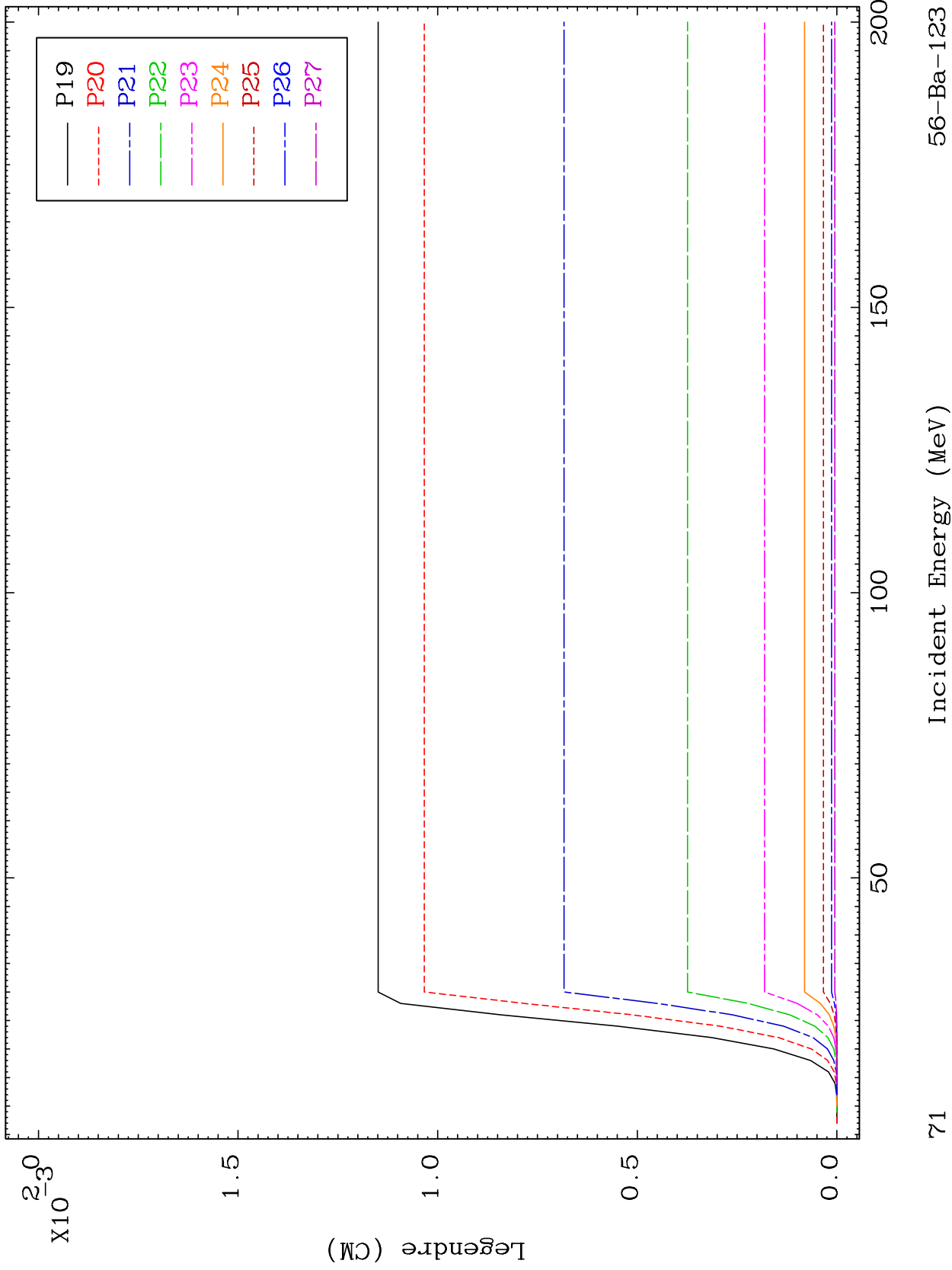
Incident Energy (MeV)

70

MAT 5604

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

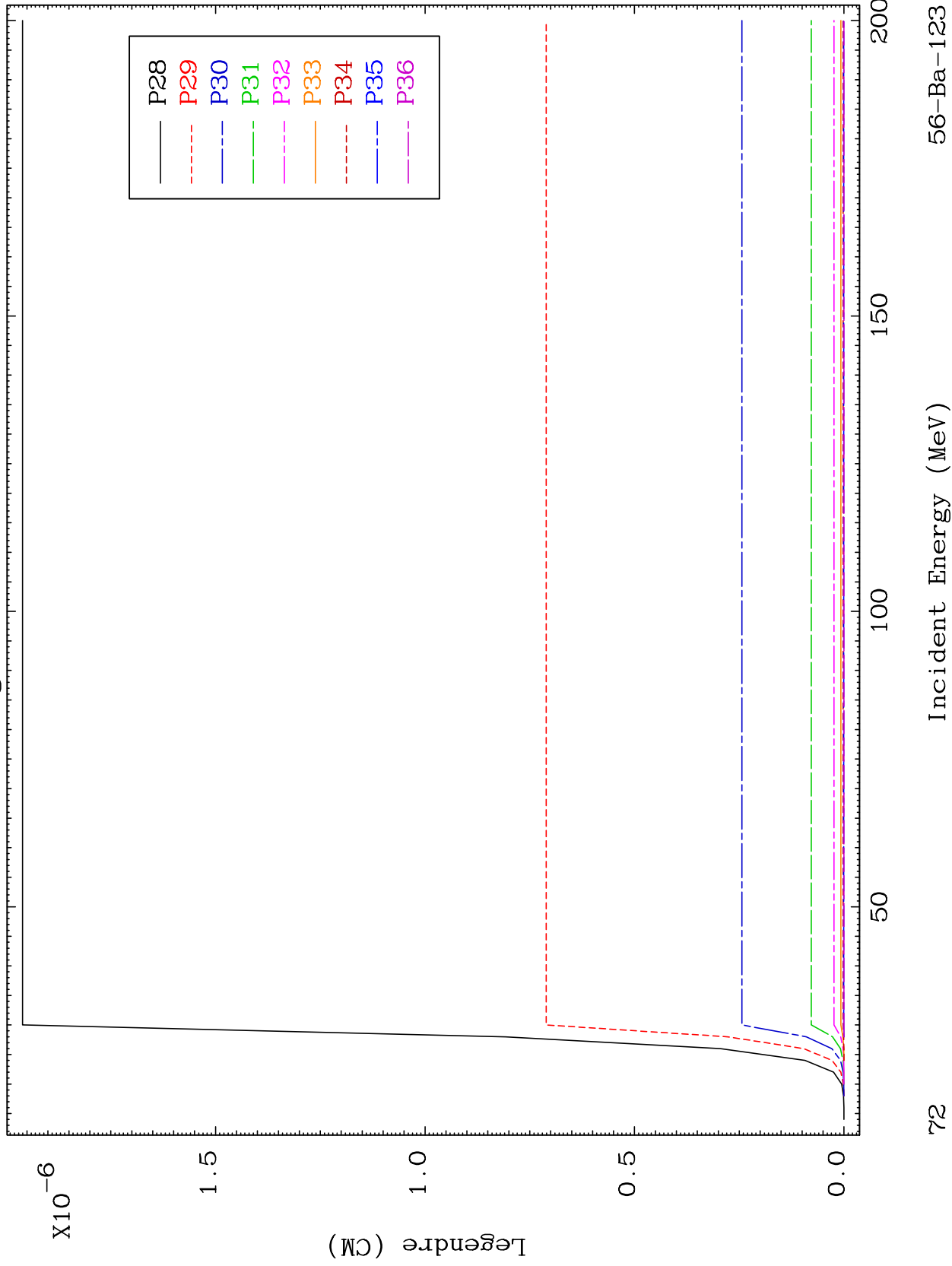
56-Ba-123



MAT 5604

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

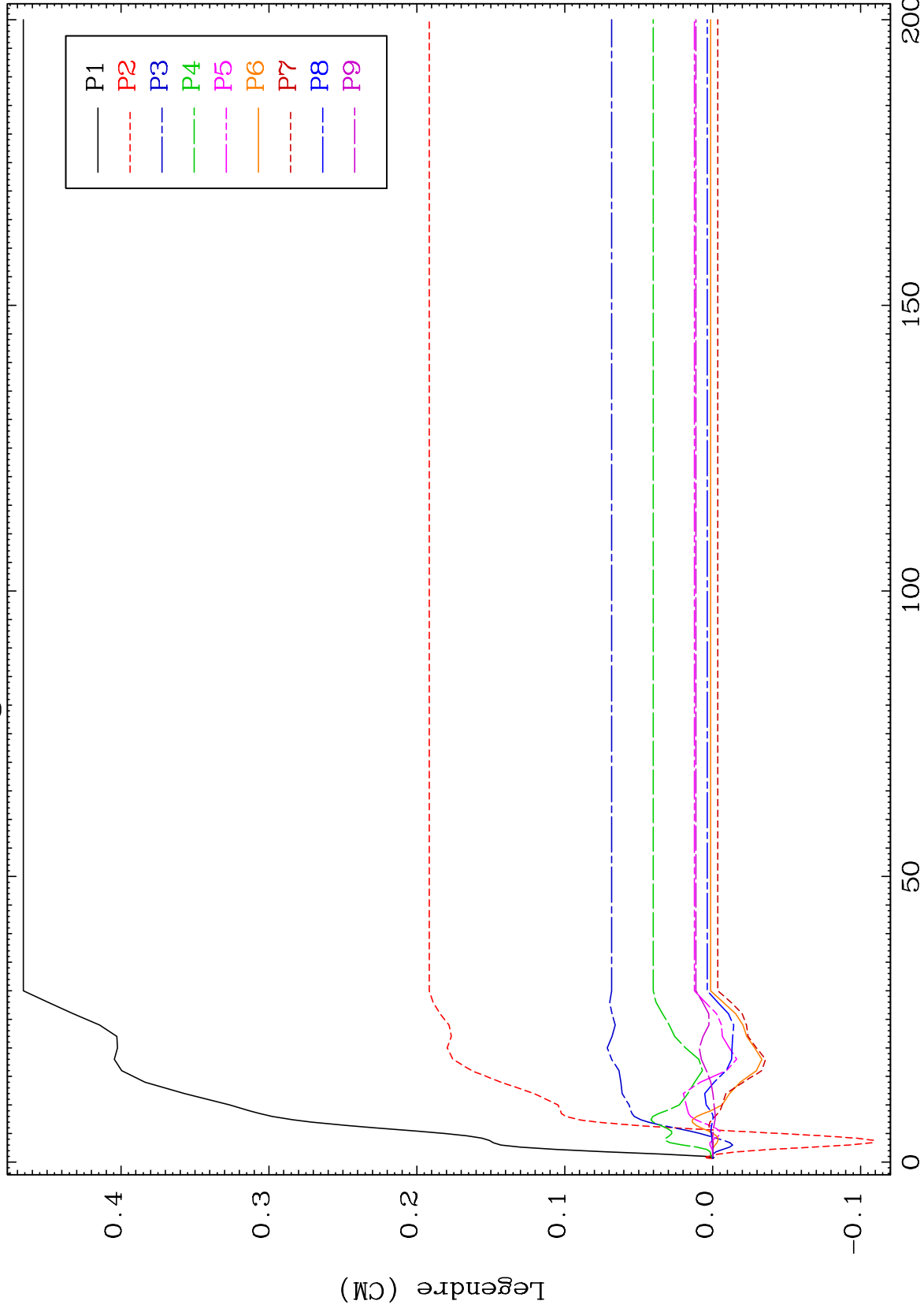
56-Ba-123



MAT 5604

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

56-Ba-123



56-Ba-123

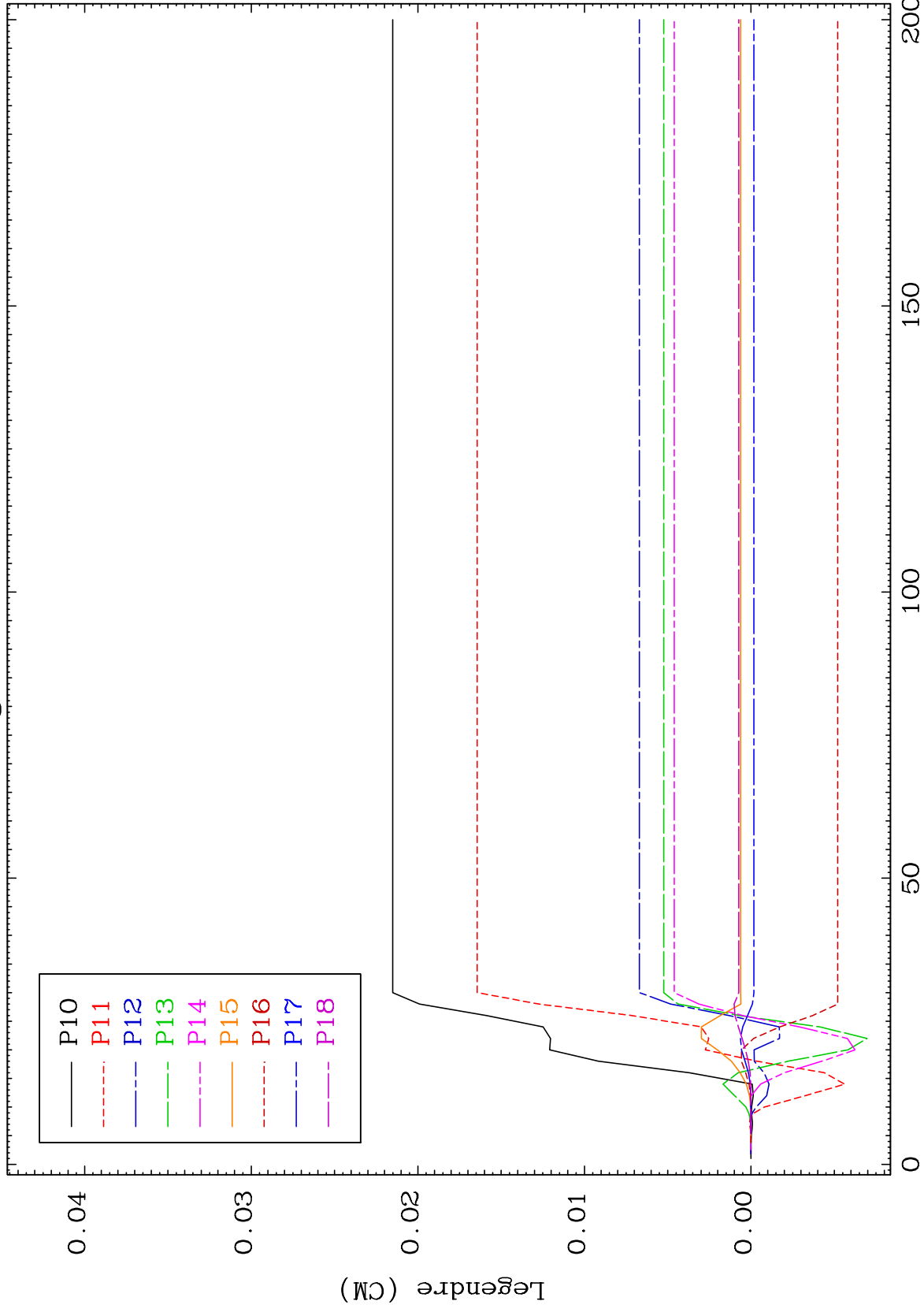
Incident Energy (MeV)

73

MAT 5604

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

56-Ba-123



74

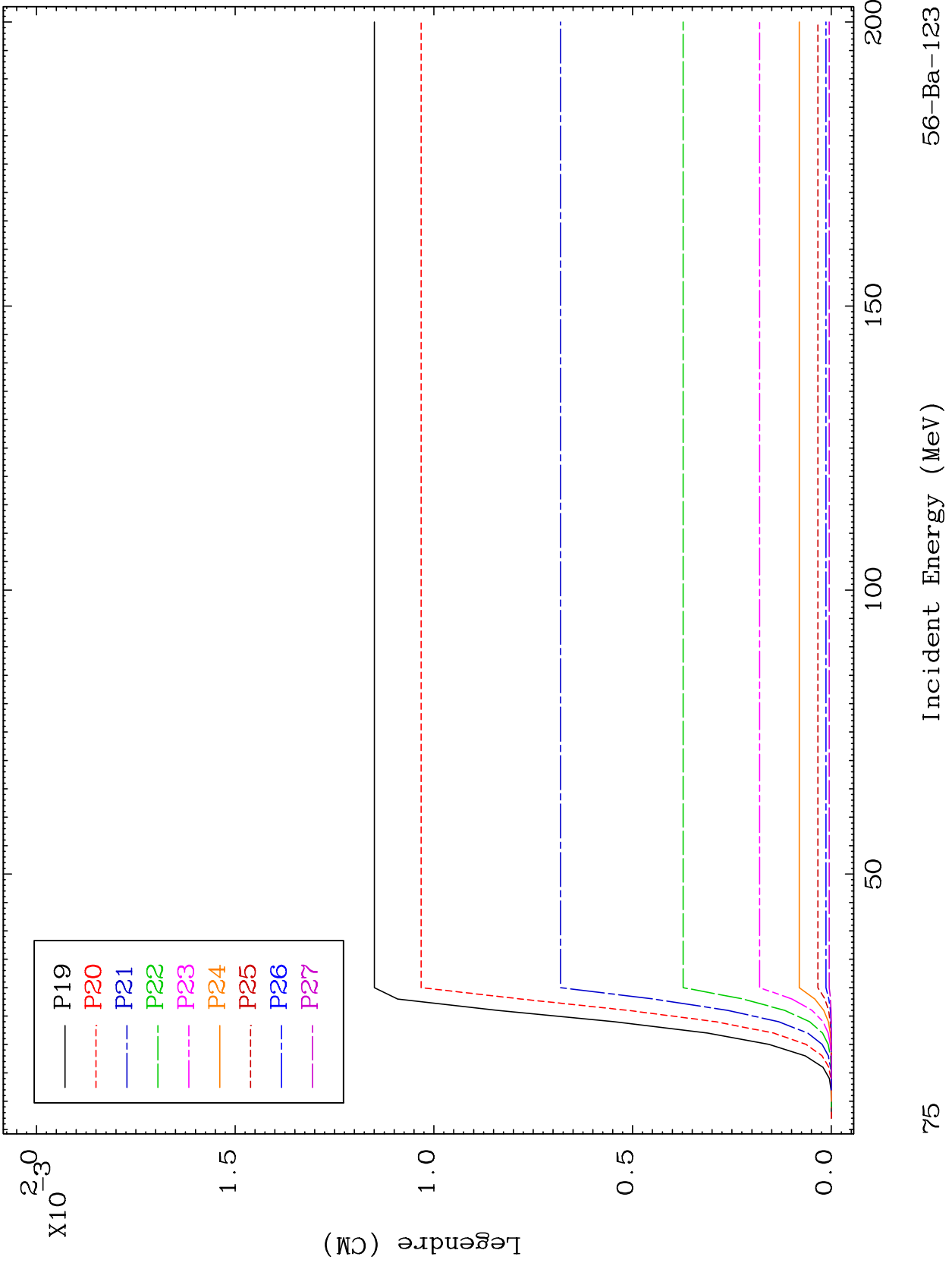
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



75

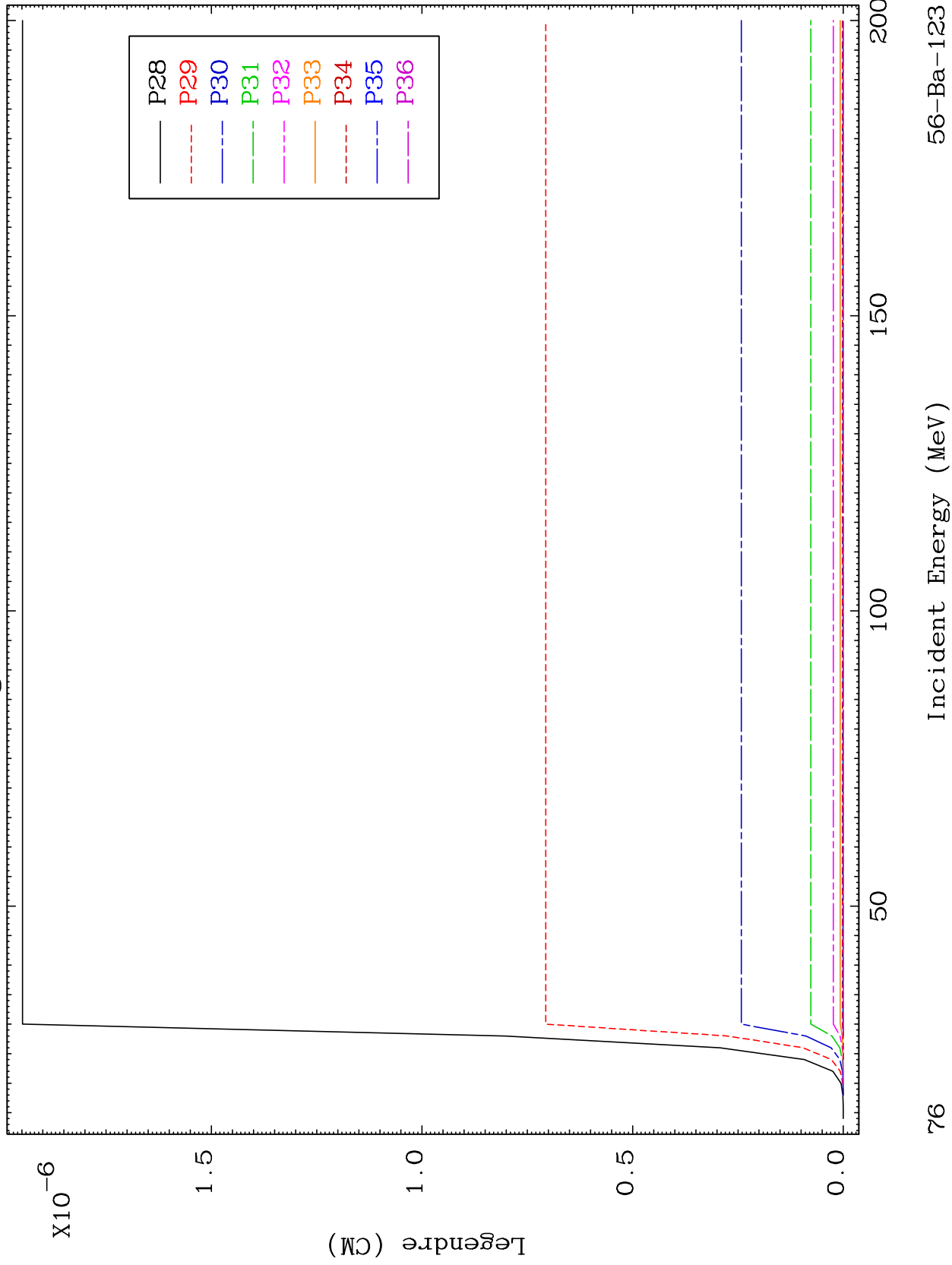
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

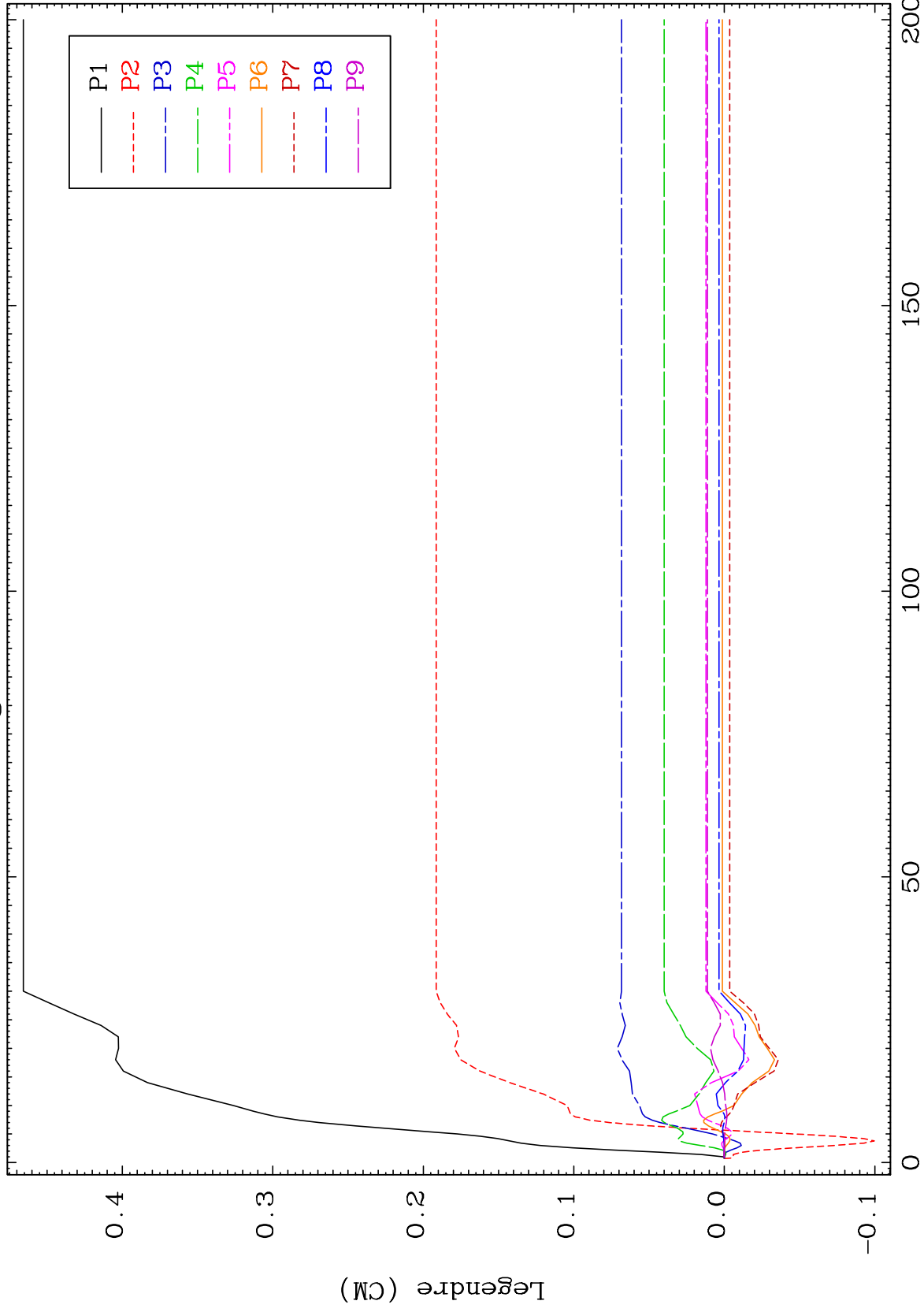
56-Ba-123



MAT 5604

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

56-Ba-123



77

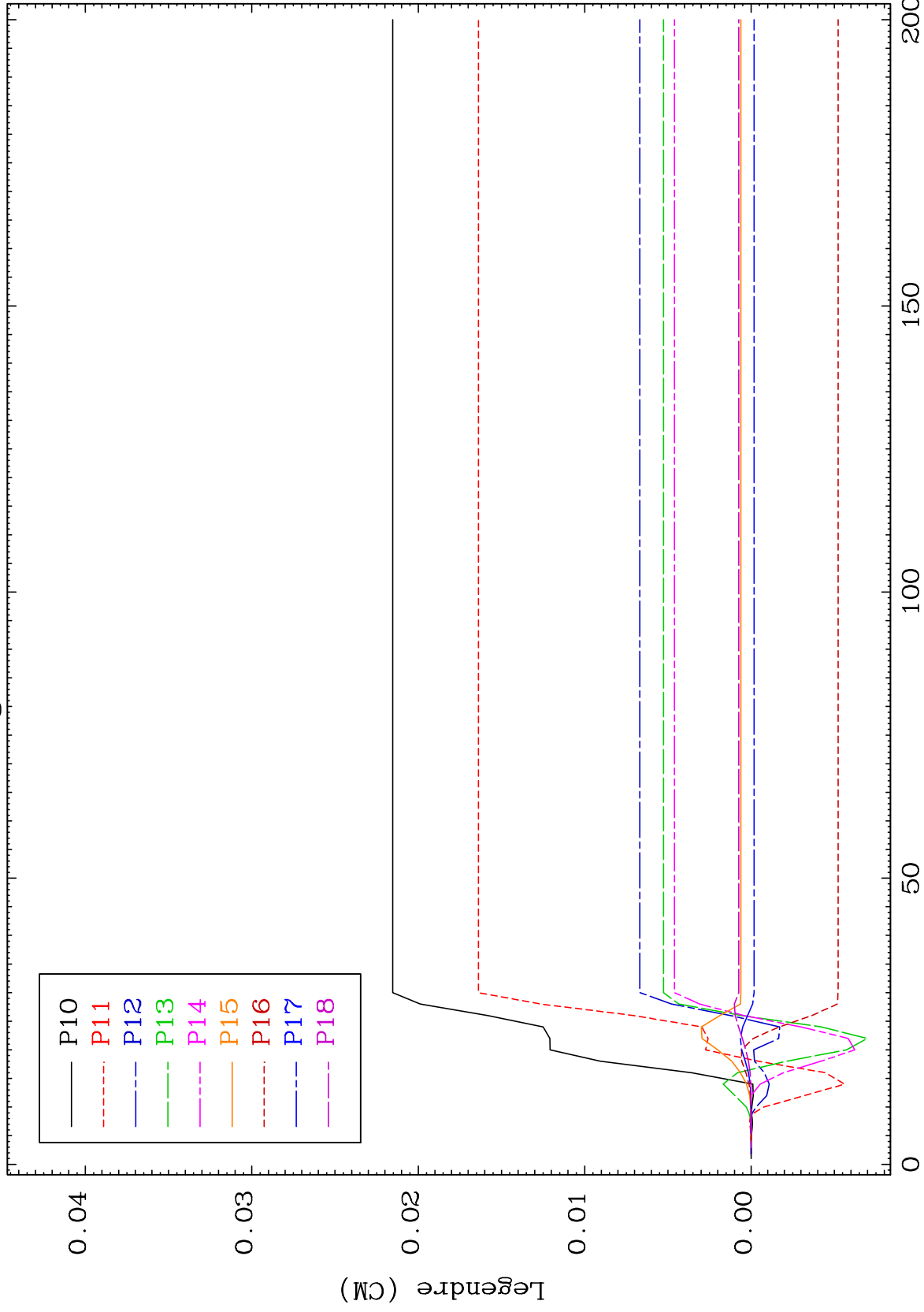
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



78

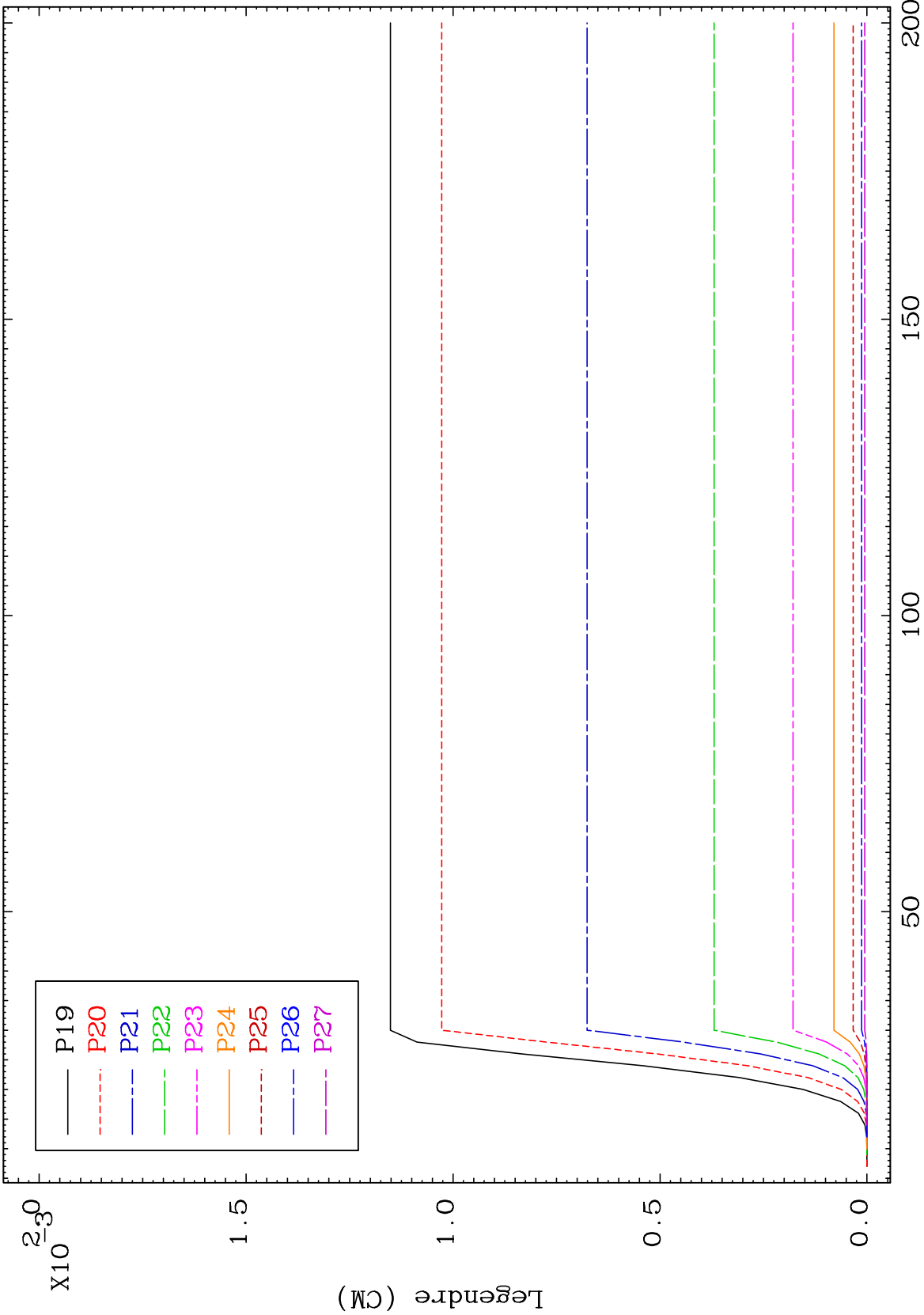
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

56-Ba-123



79

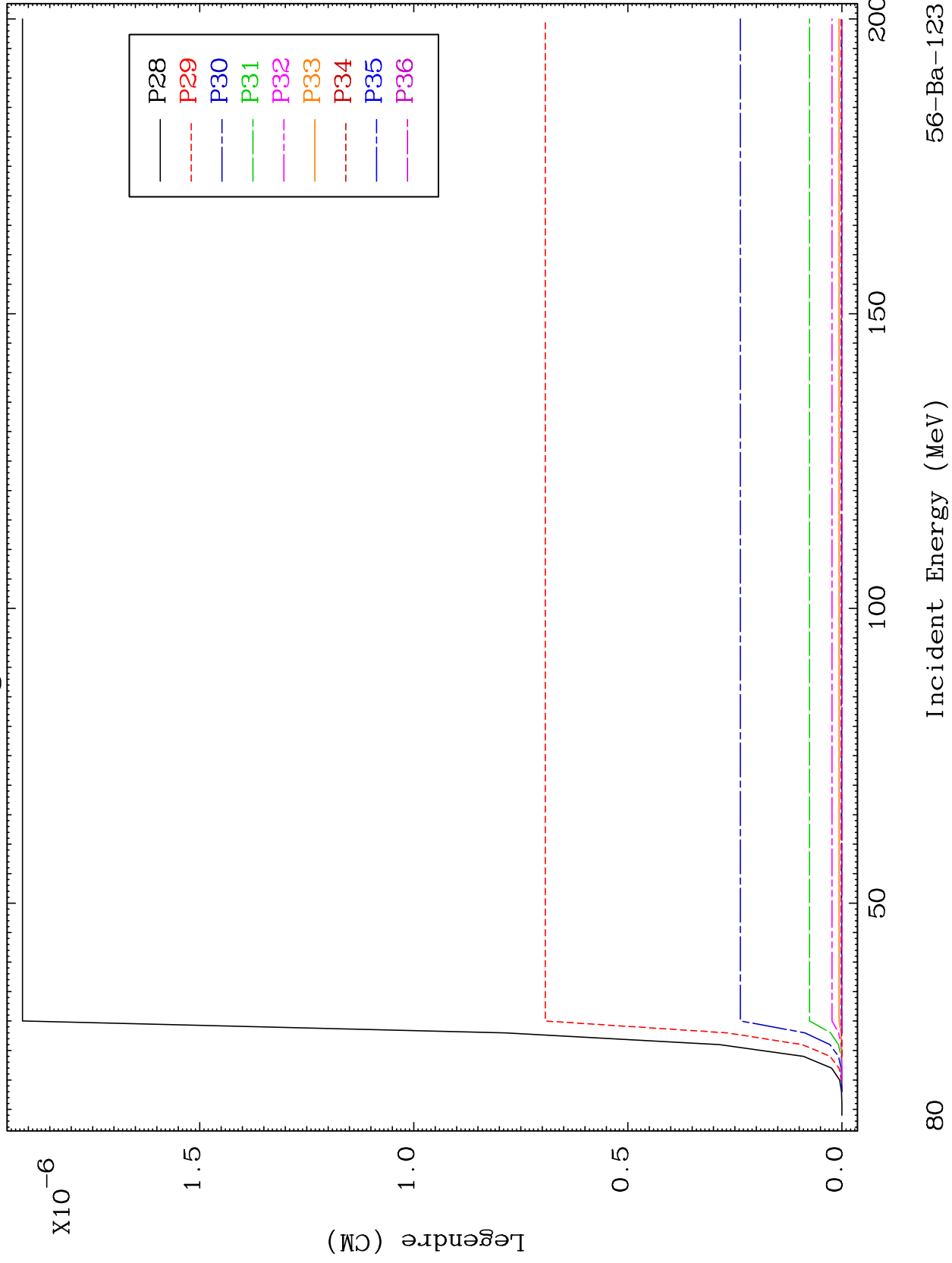
Incident Energy (MeV)

56-Ba-123

MAT 5604

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

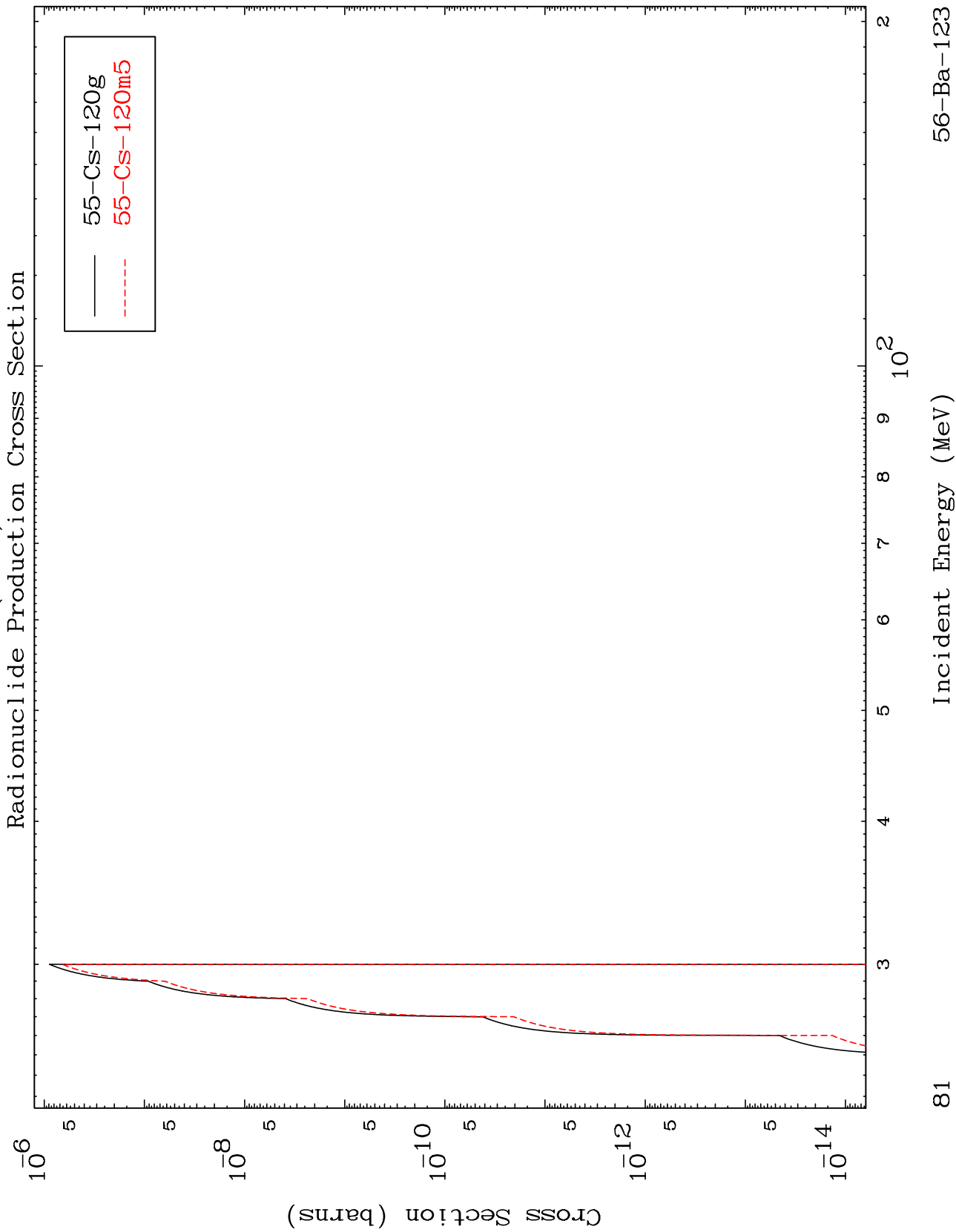
56-Ba-123



MAT 5604

(n,2n) d

56-Ba-123



81

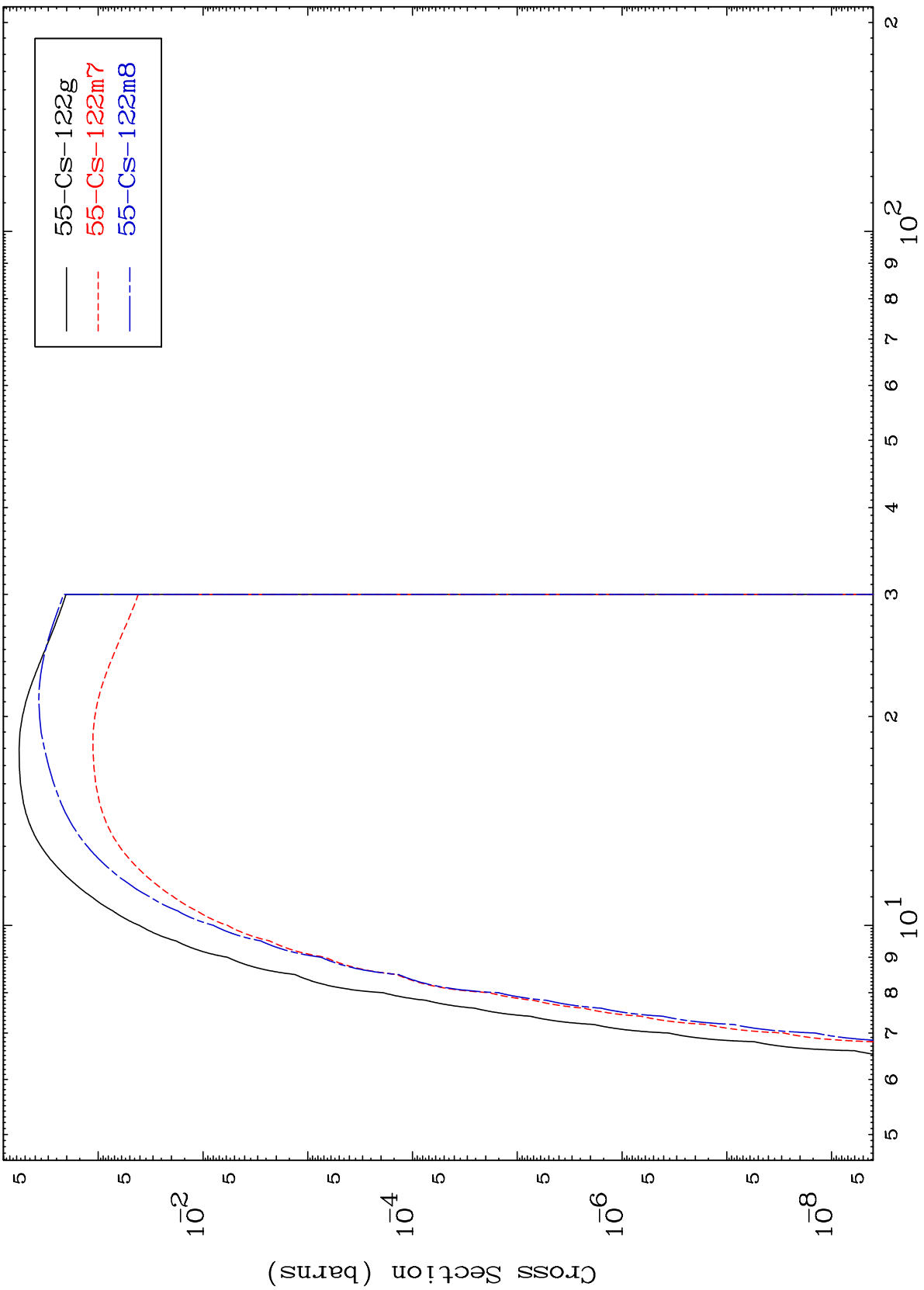
56-Ba-123

MAT 5604

(n,n') p

56-Ba-123

Radionuclide Production Cross Section



82

Incident Energy (MeV)

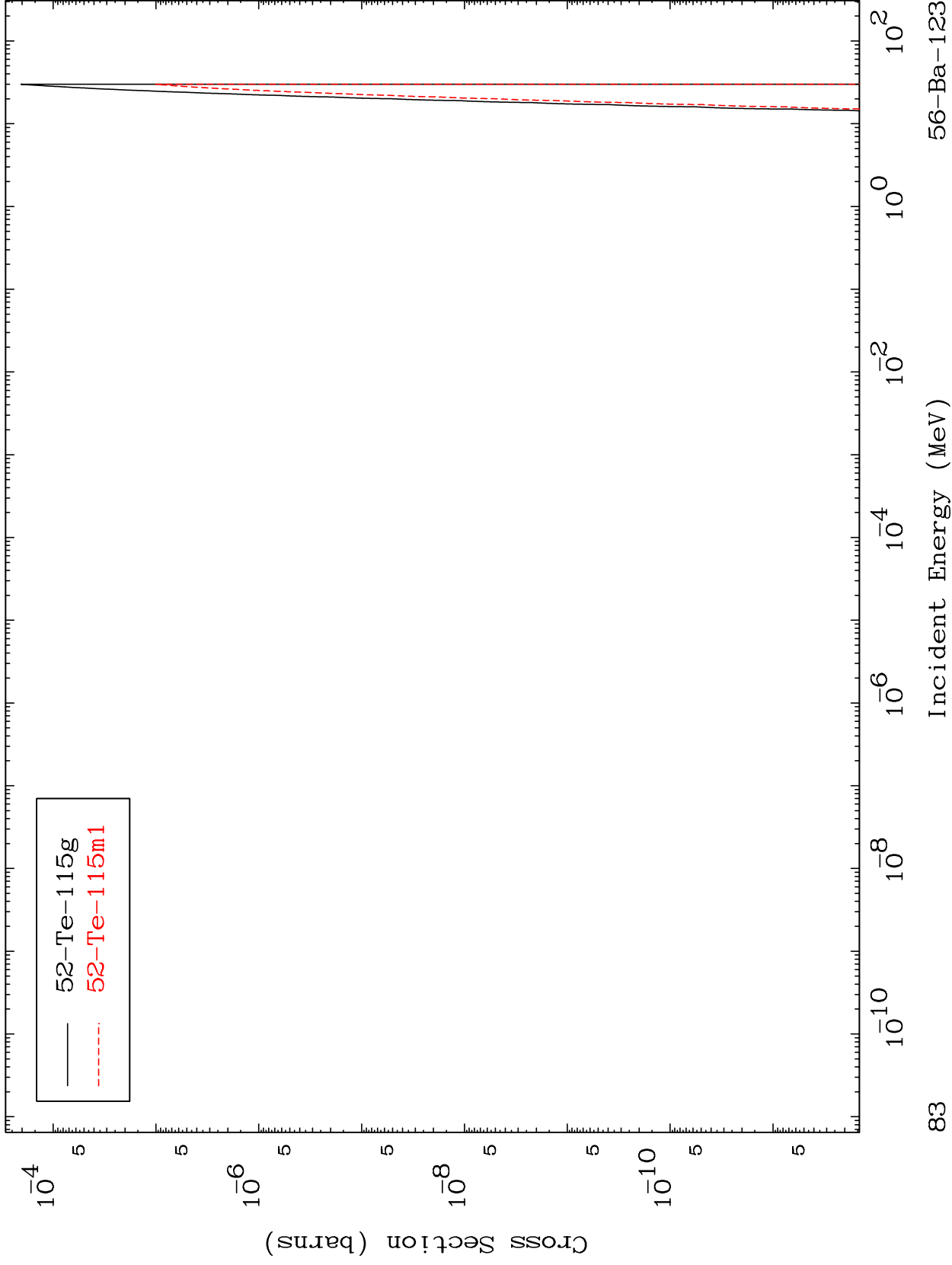
56-Ba-123

MAT 5604

(n,n') 2 $\alpha$

56-Ba-123

Radionuclide Production Cross Section



83

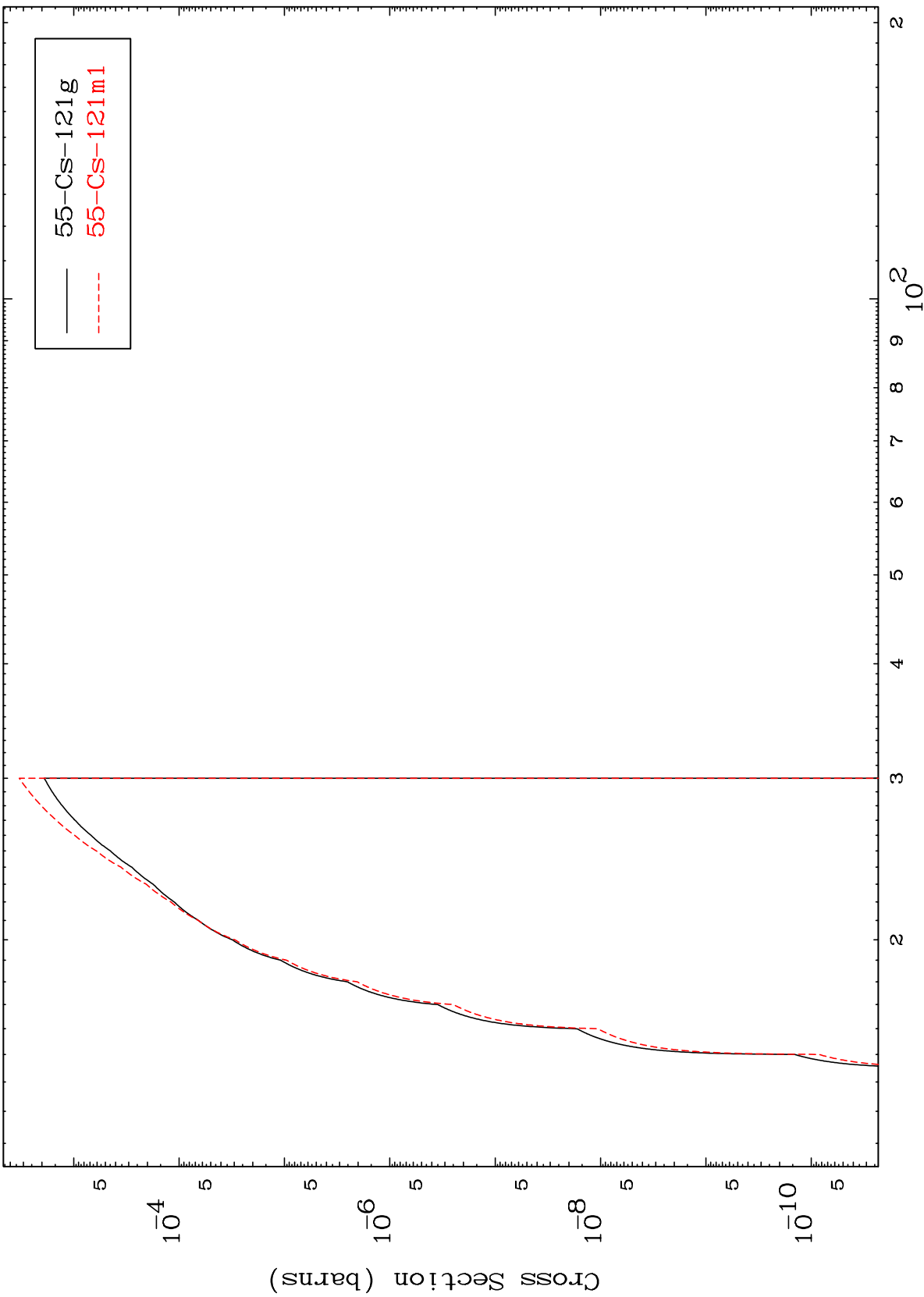
56-Ba-123

MAT 5604

(n,n') d

56-Ba-123

Radionuclide Production Cross Section



84

Incident Energy (MeV)

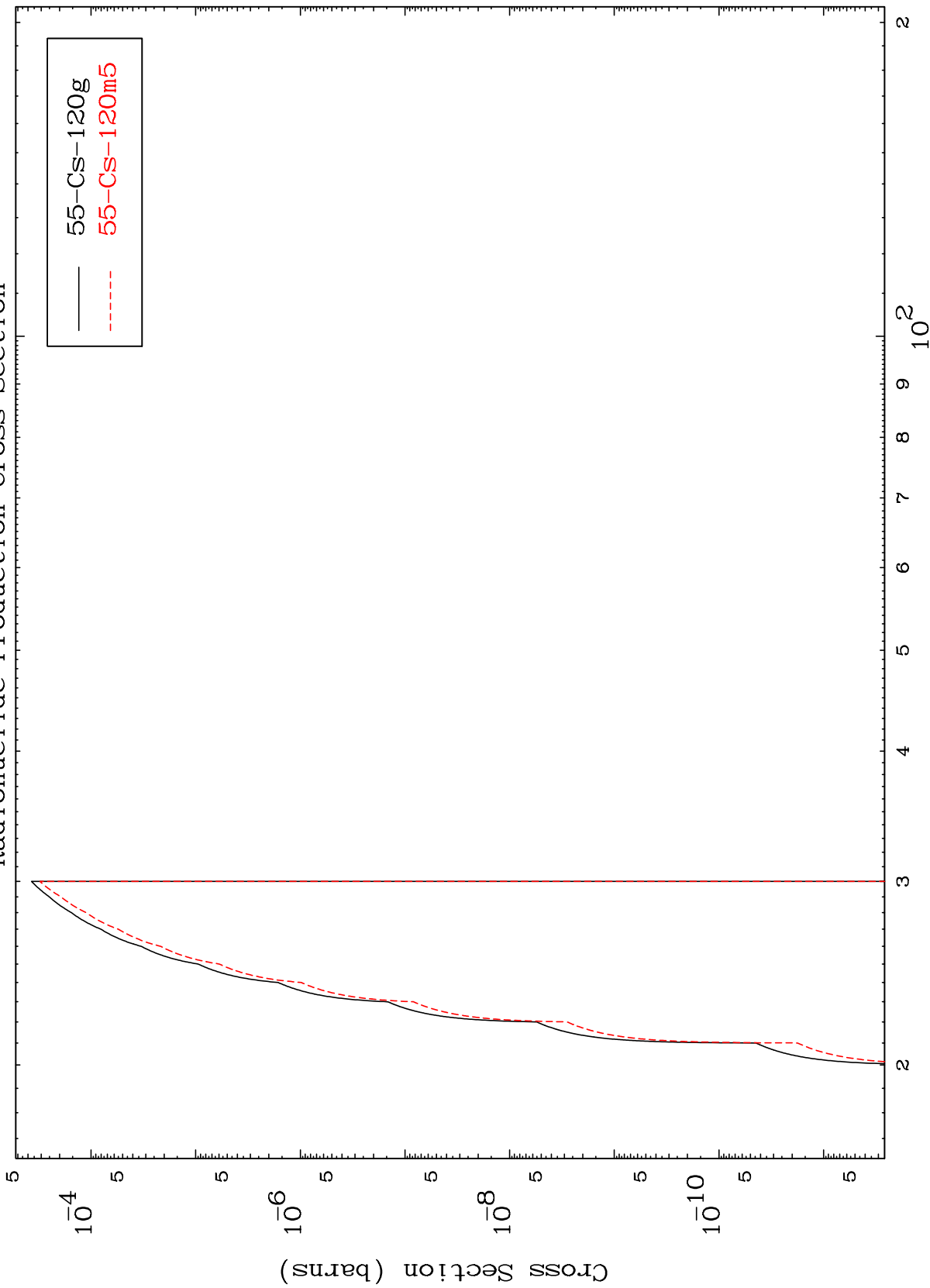
56-Ba-123

MAT 5604

(n,n') t

56-Ba-123

Radionuclide Production Cross Section

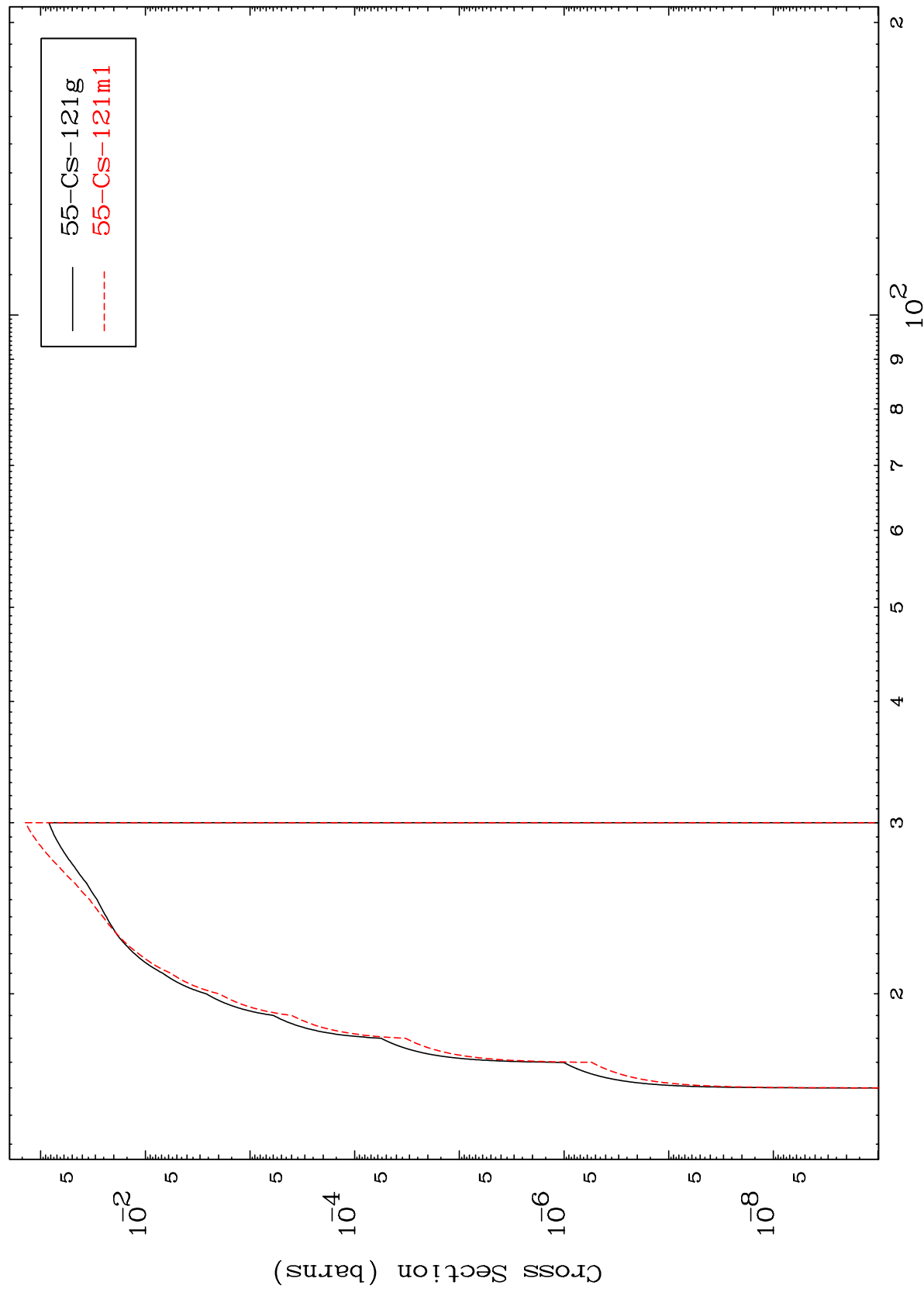


85

Incident Energy (MeV)

56-Ba-123

Radionuclide Production Cross Section

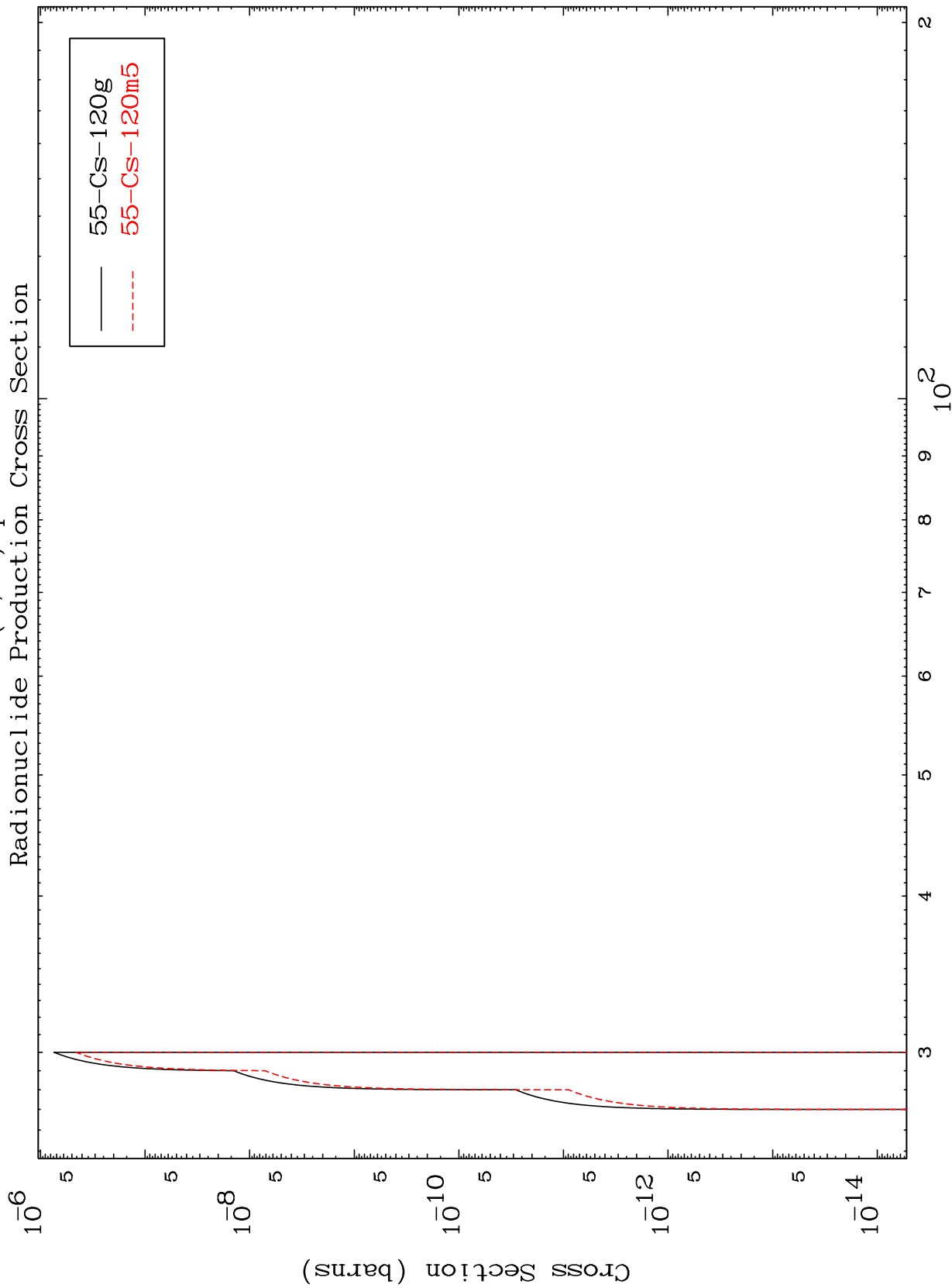


MAT 5604

(n,3n) p

56-Ba-123

Radionuclide Production Cross Section



87

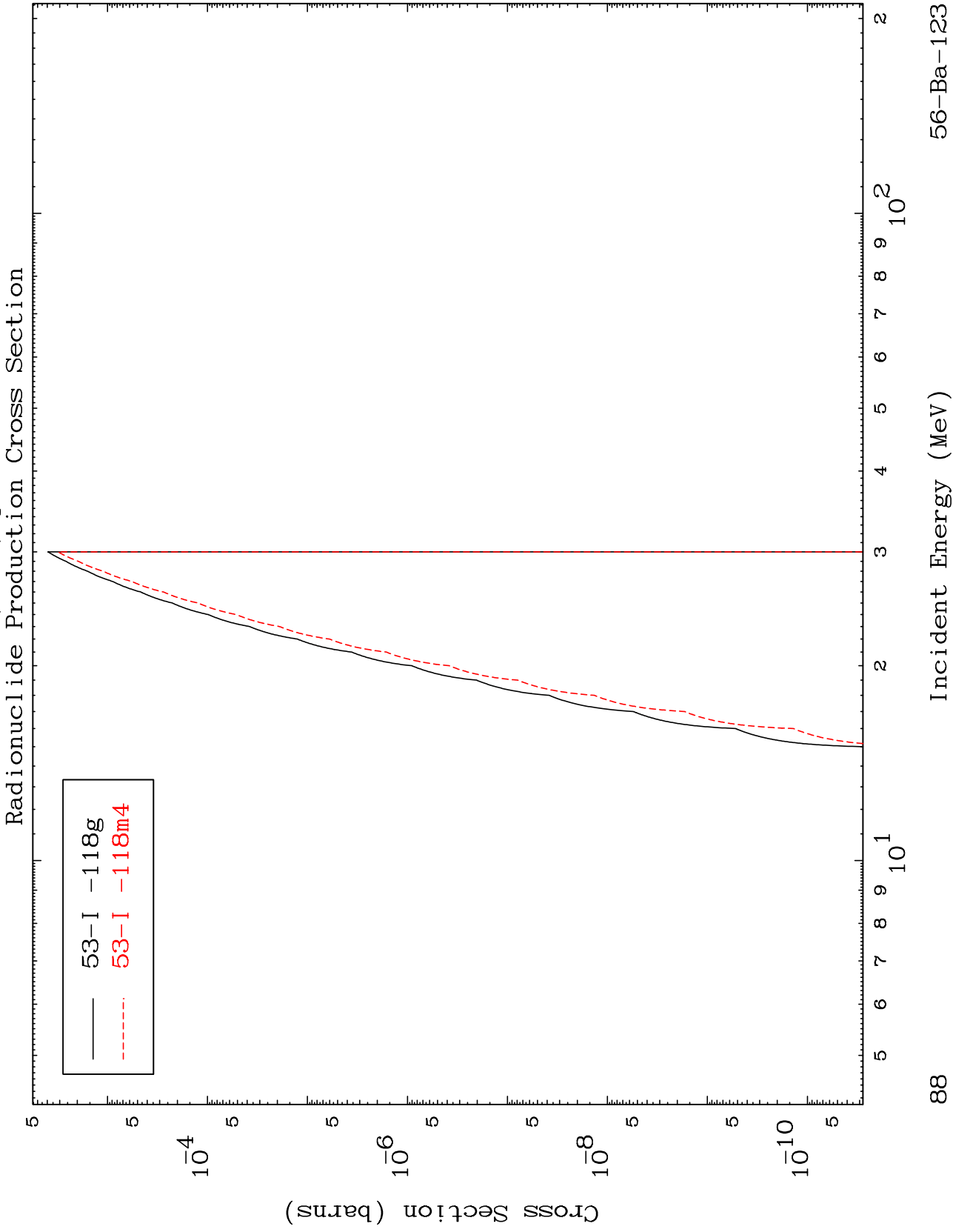
Incident Energy (MeV)

56-Ba-123

MAT 5604

(n,n') p  $\alpha$

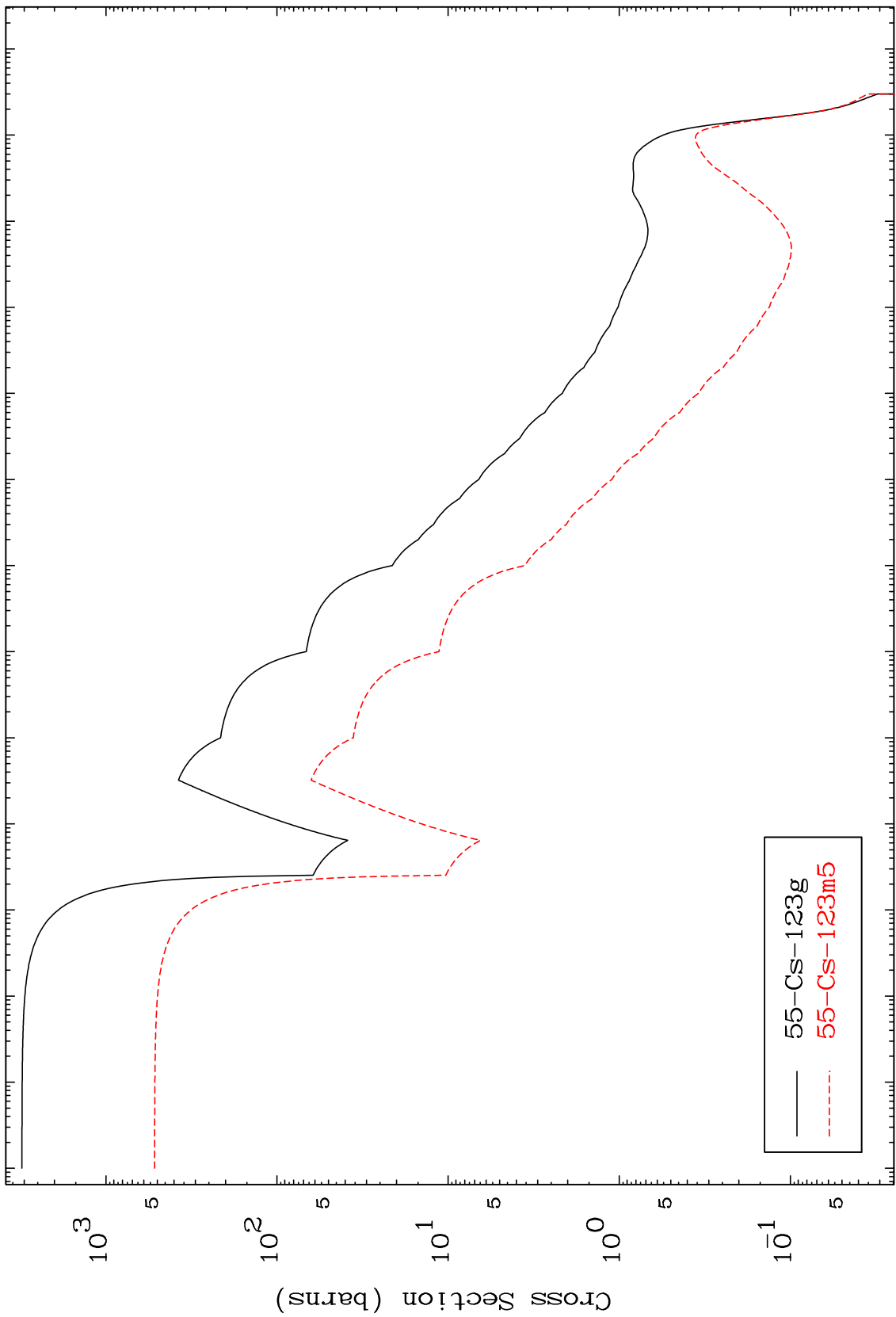
56-Ba-123



MAT 5604

56-Ba-123

(n,p)  
Radionuclide Production Cross Section

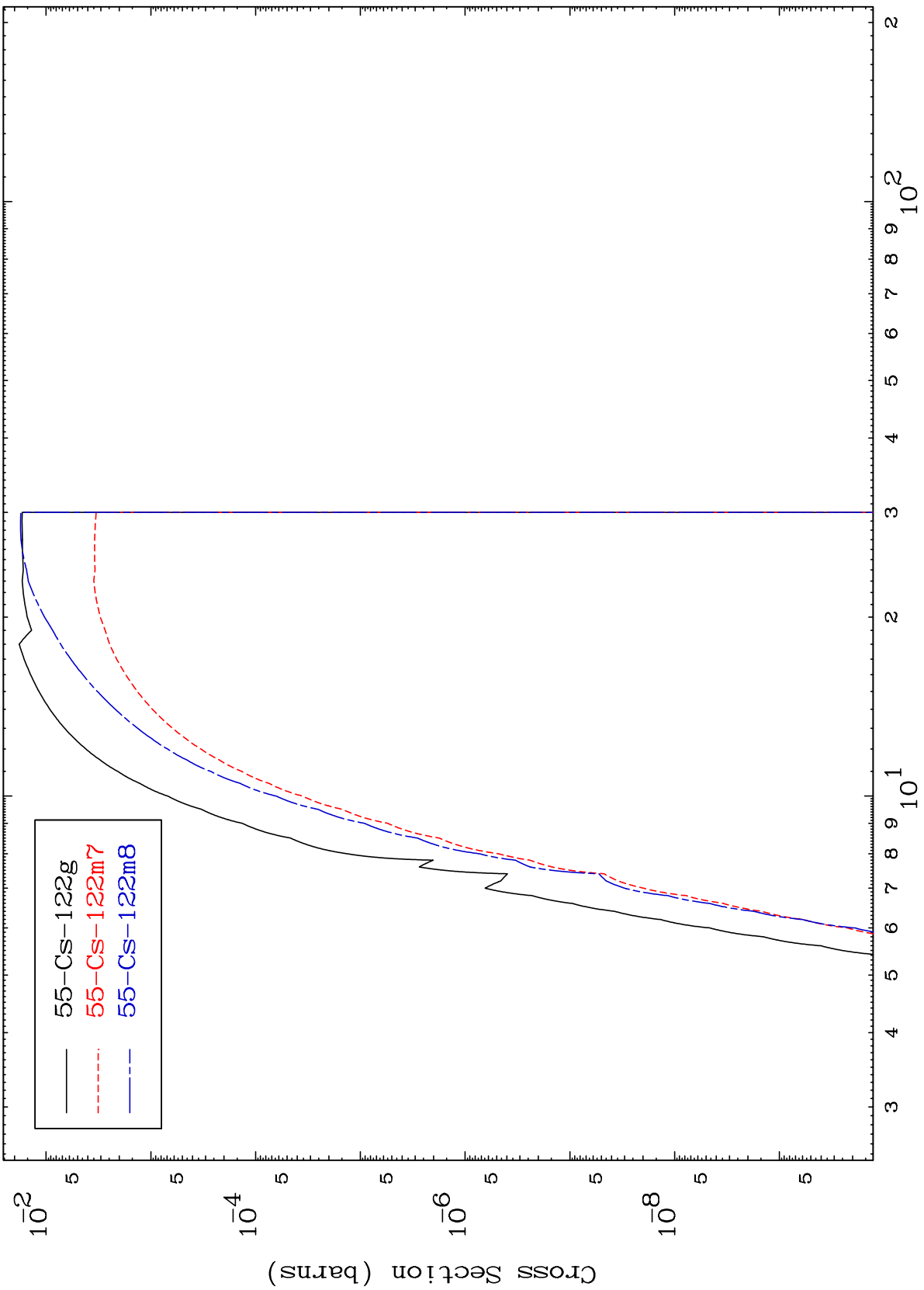


— 55-Cs-123g  
- - - 55-Cs-123m5

MAT 5604

56-Ba-123

(n,d)  
Radionuclide Production Cross Section



90

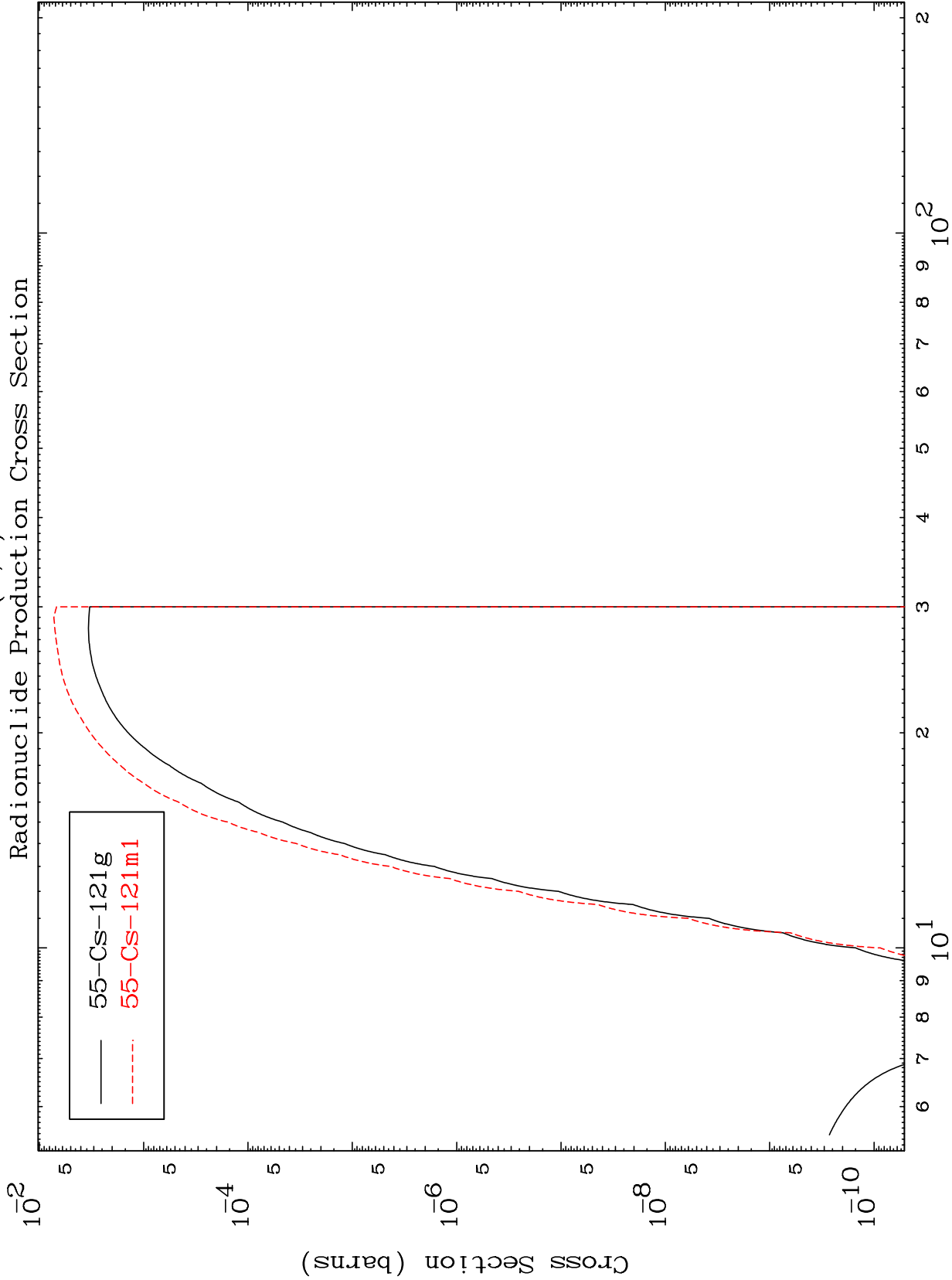
Incident Energy (MeV)

56-Ba-123

MAT 5604

Radionuclide Production Cross Section  
(n, t)

56-Ba-123



56-Ba-123

Incident Energy (MeV)

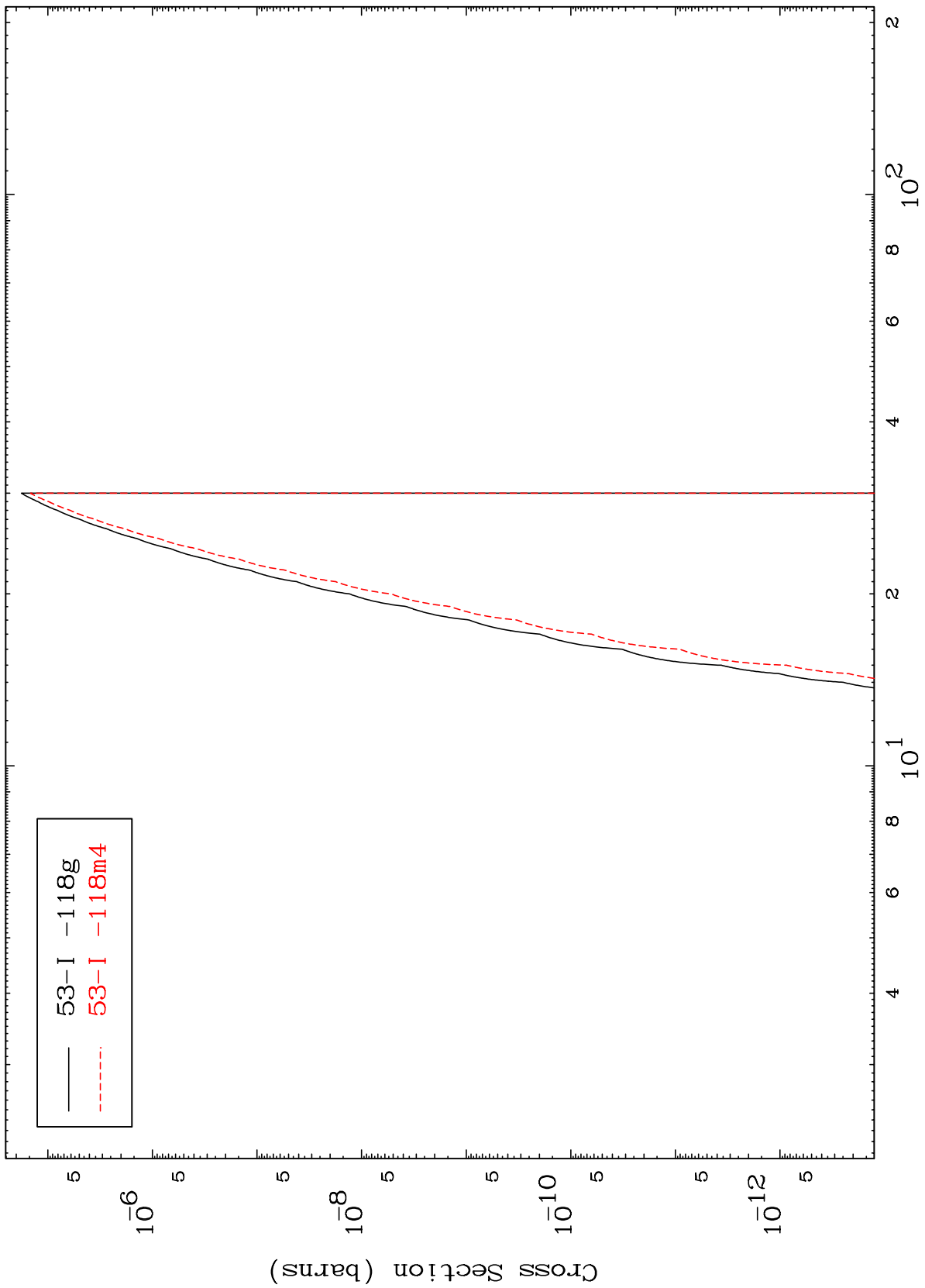
91

MAT 5604

(n,d)  $\alpha$

56-Ba-123

Radionuclide Production Cross Section



53-I-118g  
53-I-118m4