

Program EVALPLOT  
(Version 2018-1)

by

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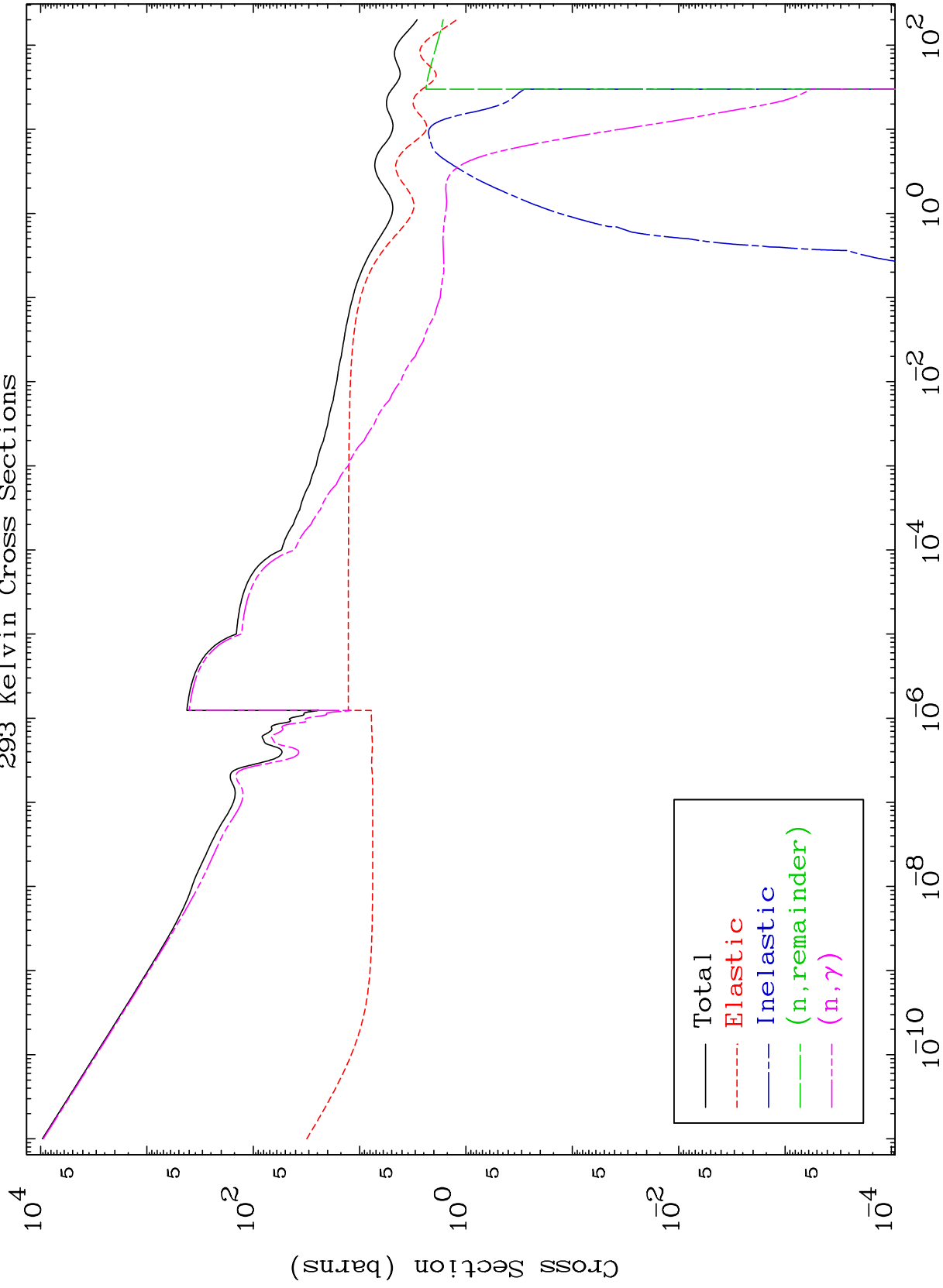
Press Mouse Button to Start

MAT 8280

Major

293 Kelvin Cross Sections

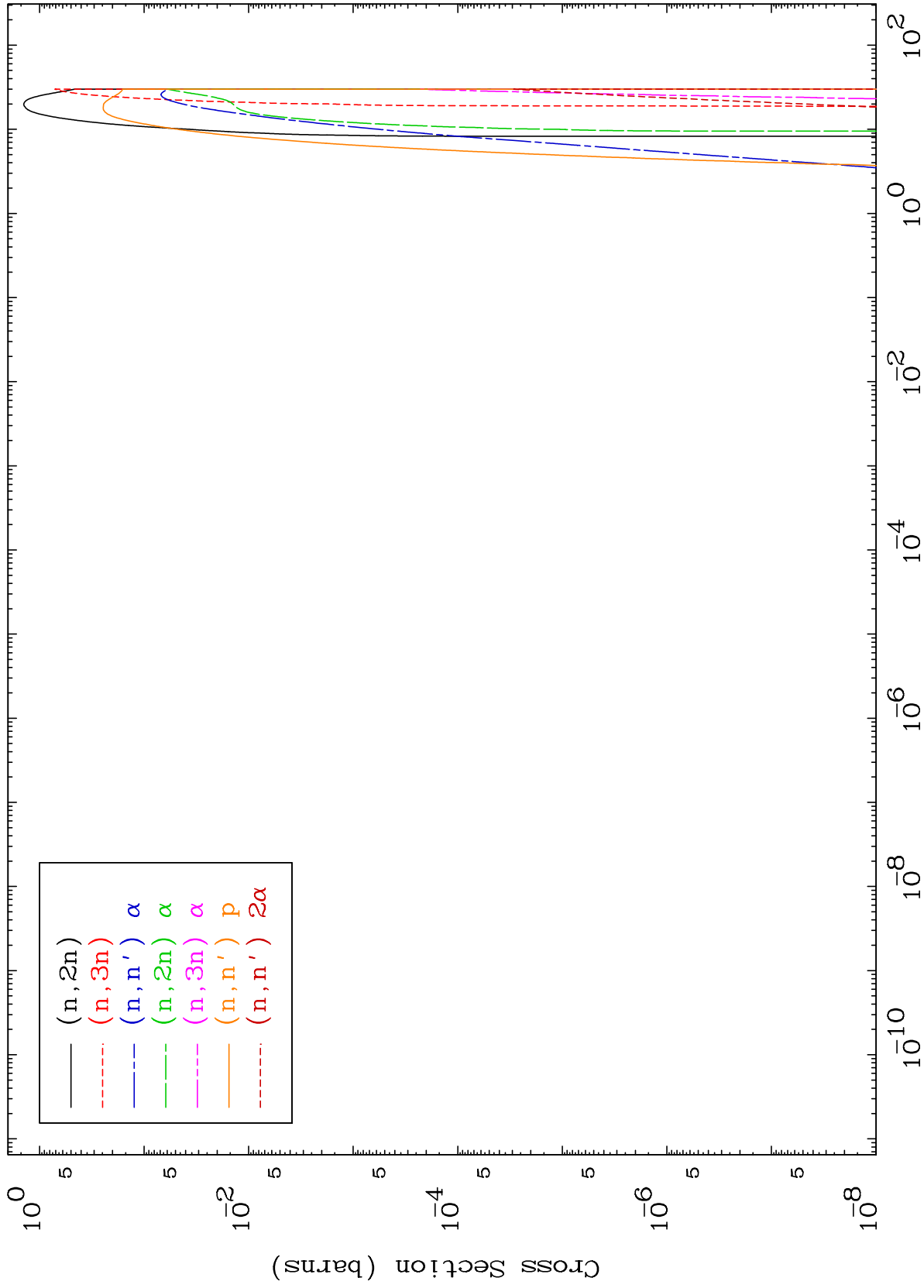
83-Bi-194



MAT 8280

Neutron Production  
293 Kelvin Cross Sections

83-Bi-194



2

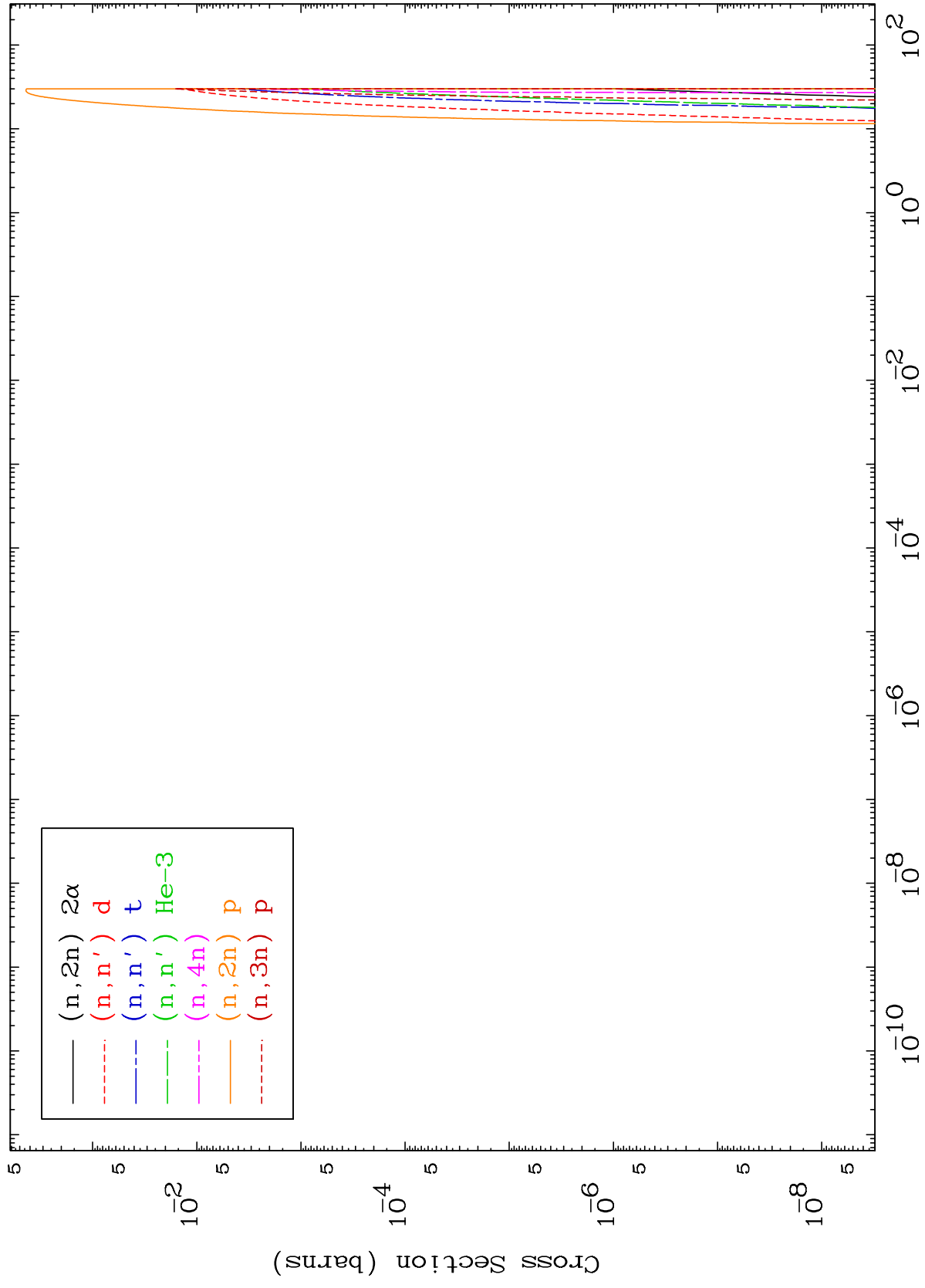
Incident Energy (MeV)

83-Bi-194

MAT 8280

Neutron Production  
293 Kelvin Cross Sections

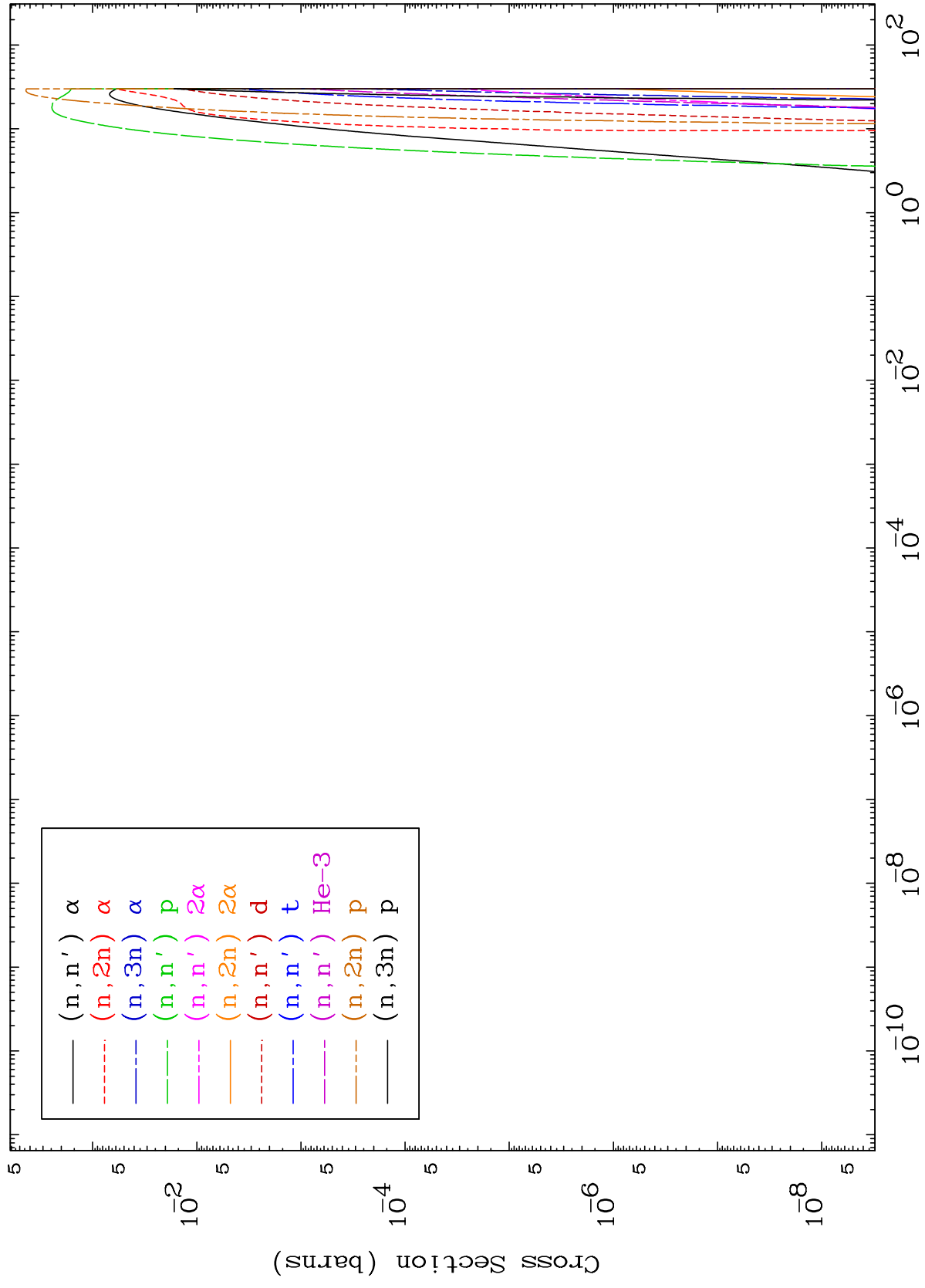
83-Bi-194



MAT 8280

Charged Particle  
293 Kelvin Cross Sections

83-Bi-194



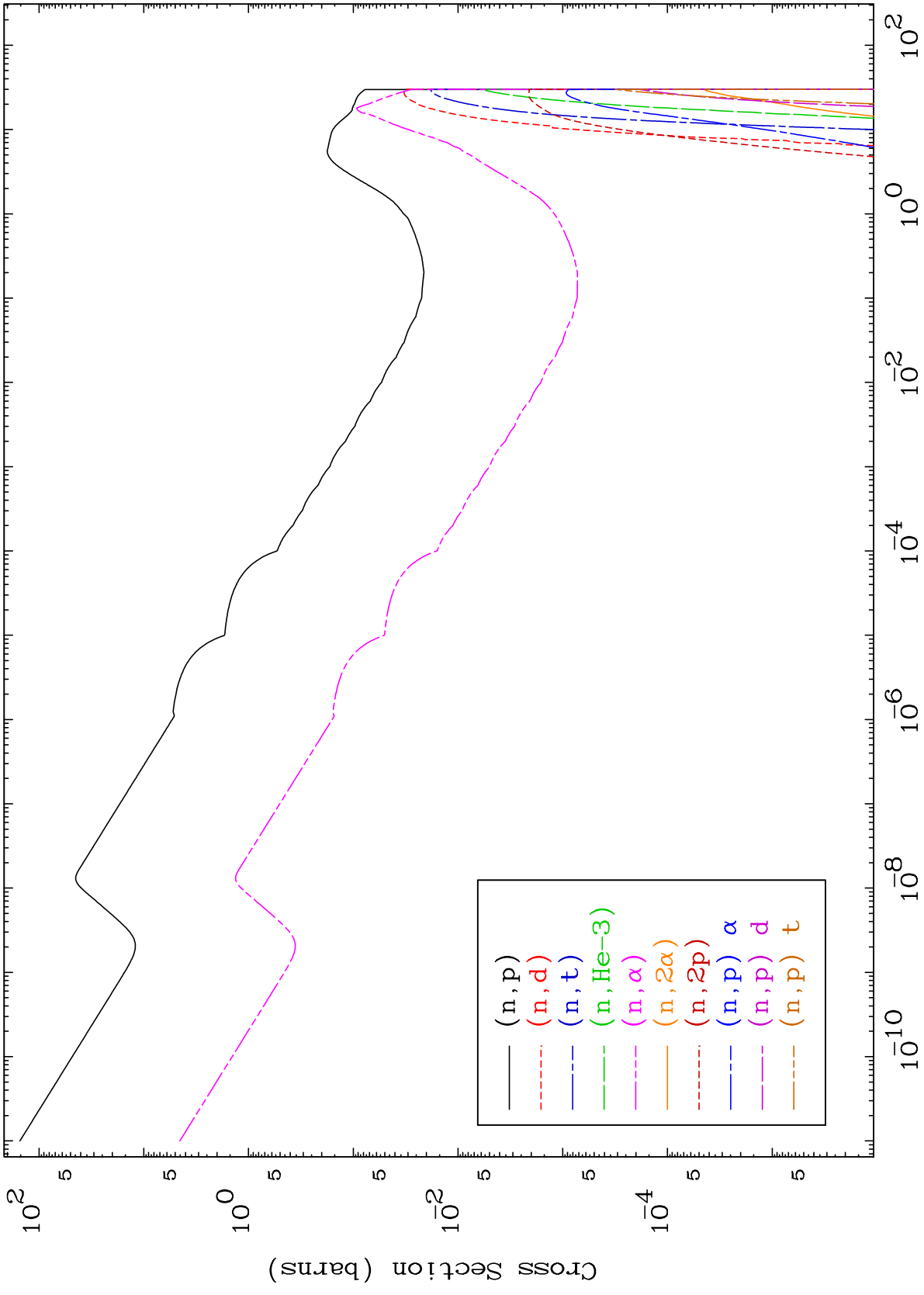
83-Bi-194

Incident Energy (MeV)

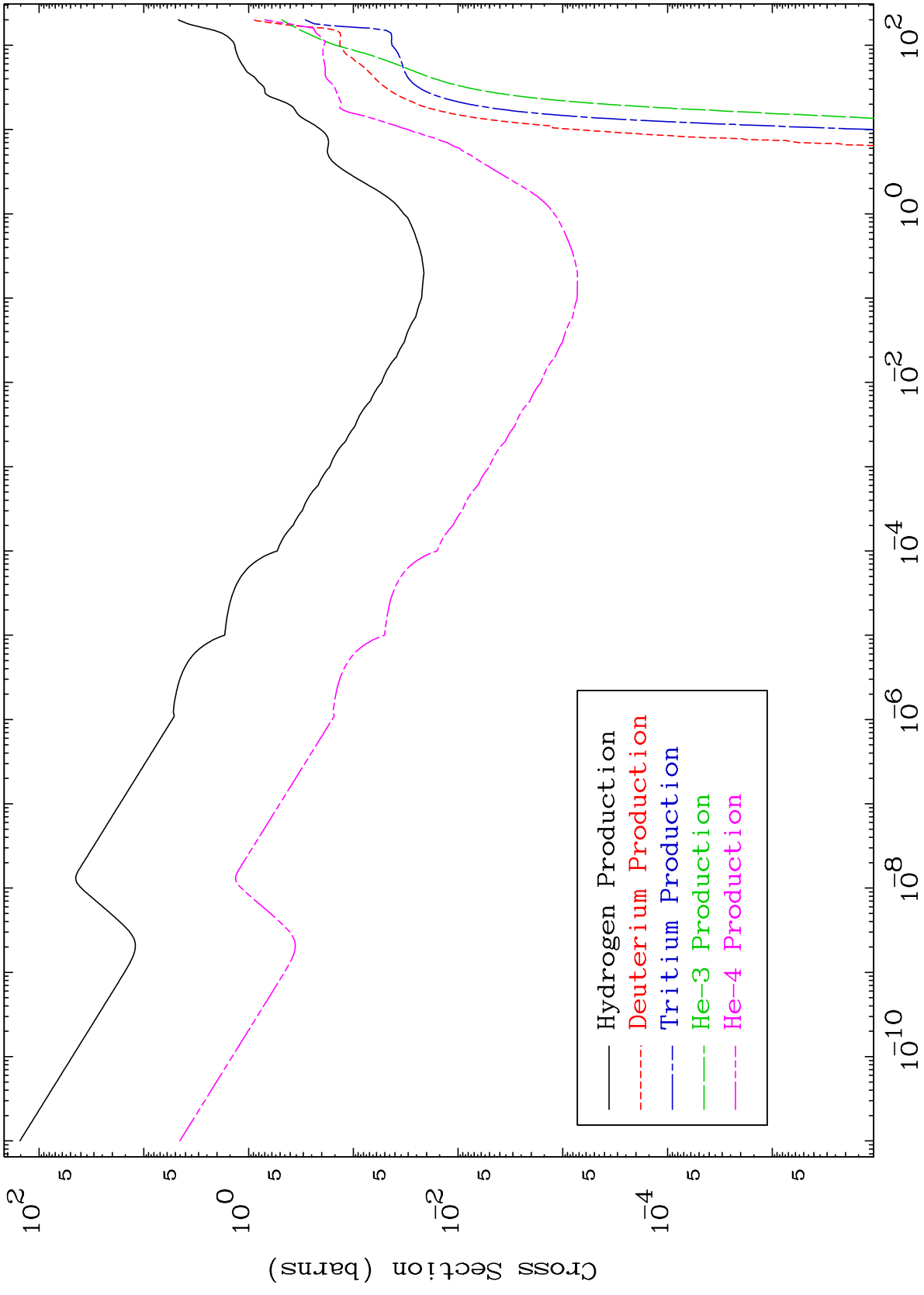
MAT 8280

293 Kelvin Cross Sections

83-Bi-194



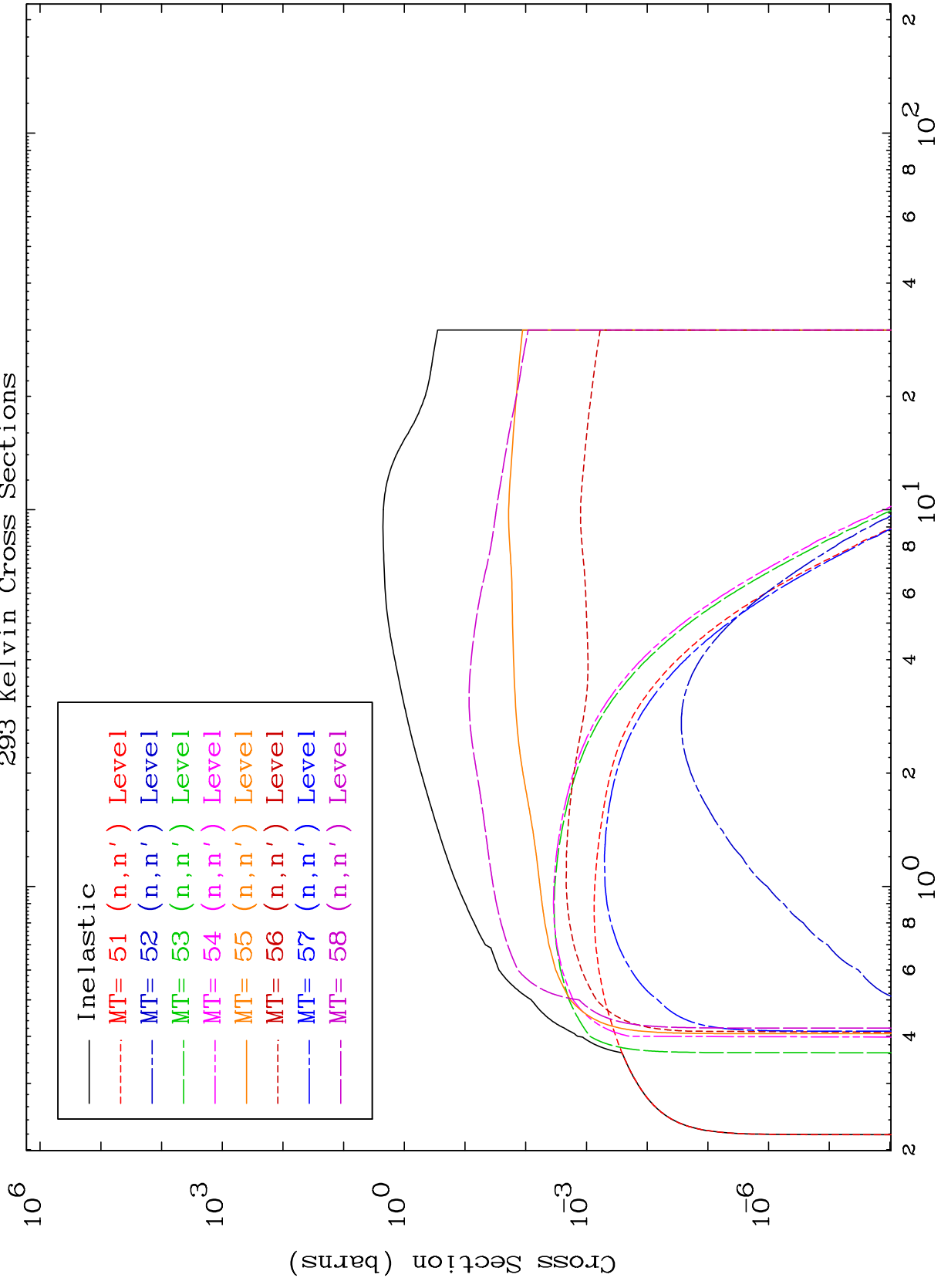
83-Bi-194



MAT 8280

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-194



7

Incident Energy (MeV)

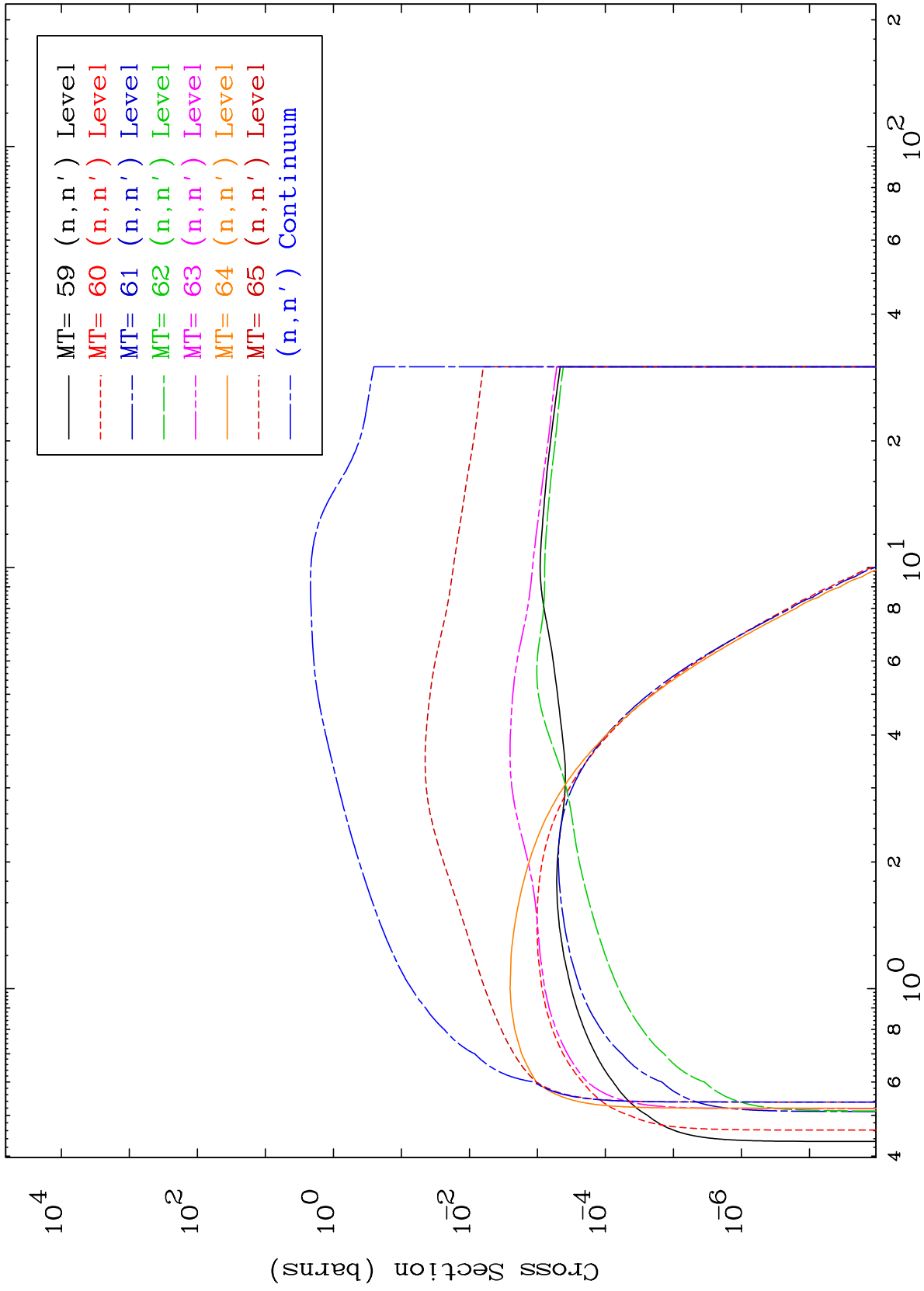
83-Bi-194



MAT 8280

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-194



8

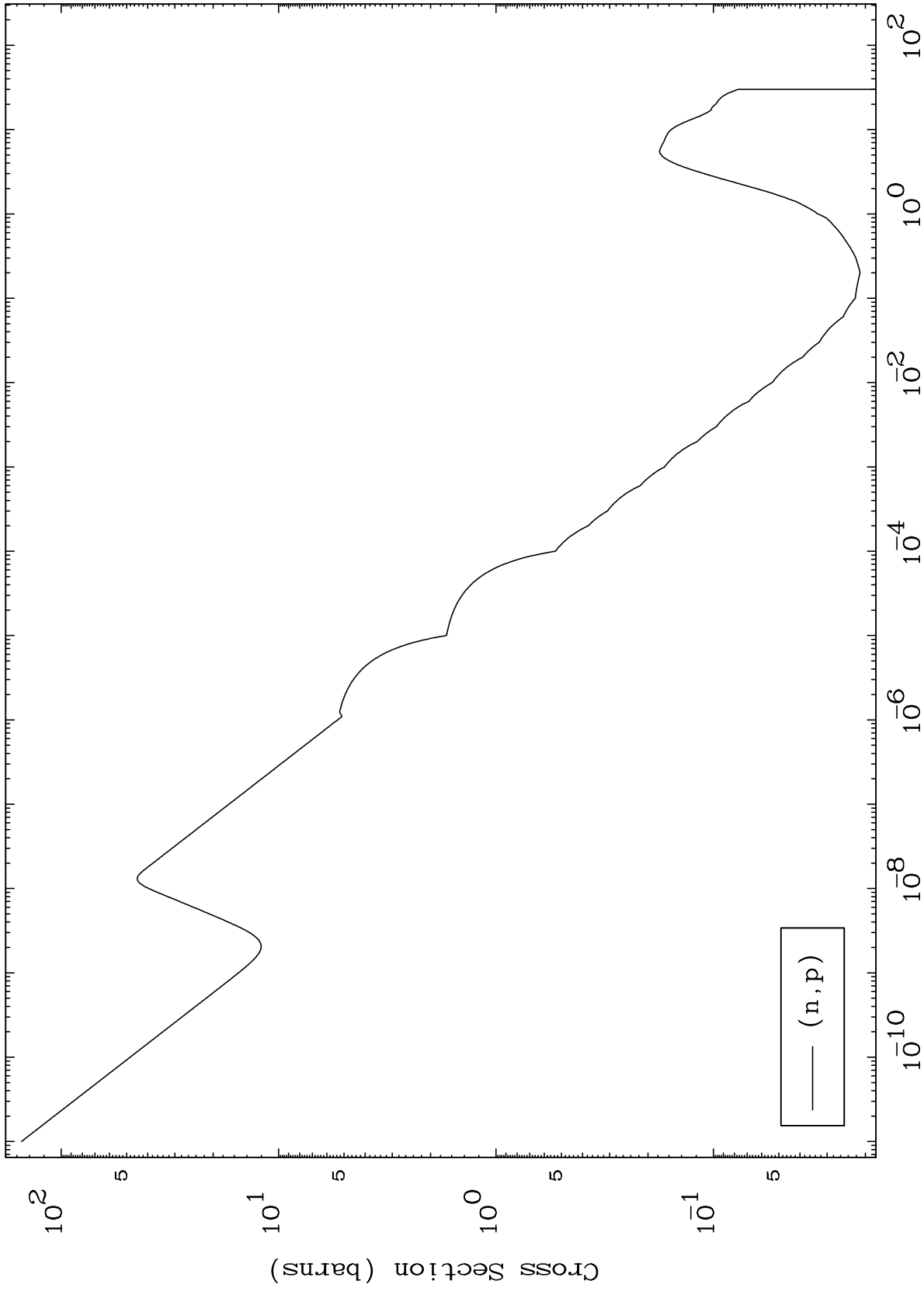
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,p) Levels  
293 Kelvin Cross Sections

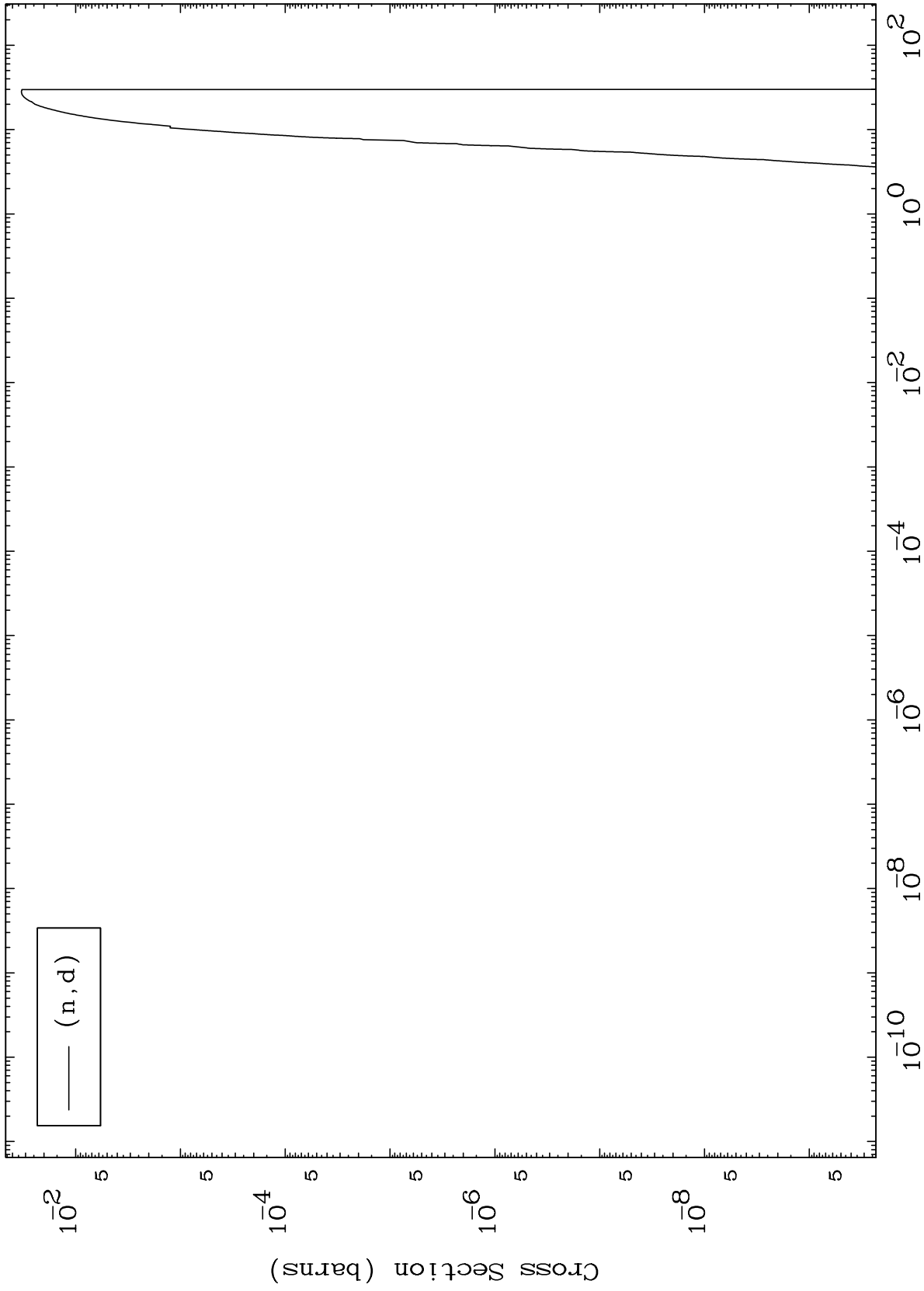
83-Bi-194



MAT 8280

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-194



10

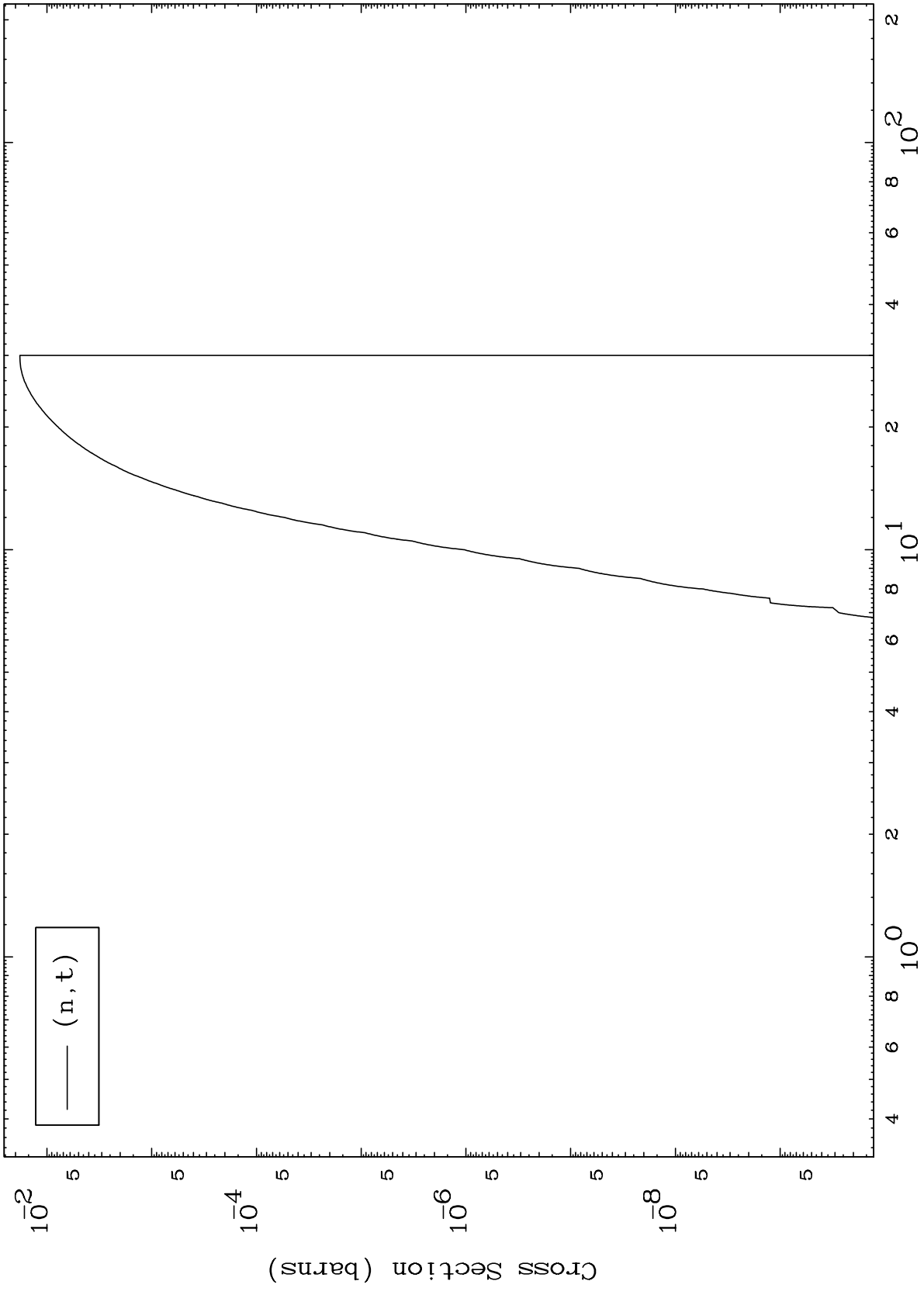
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,t) Levels  
293 Kelvin Cross Sections

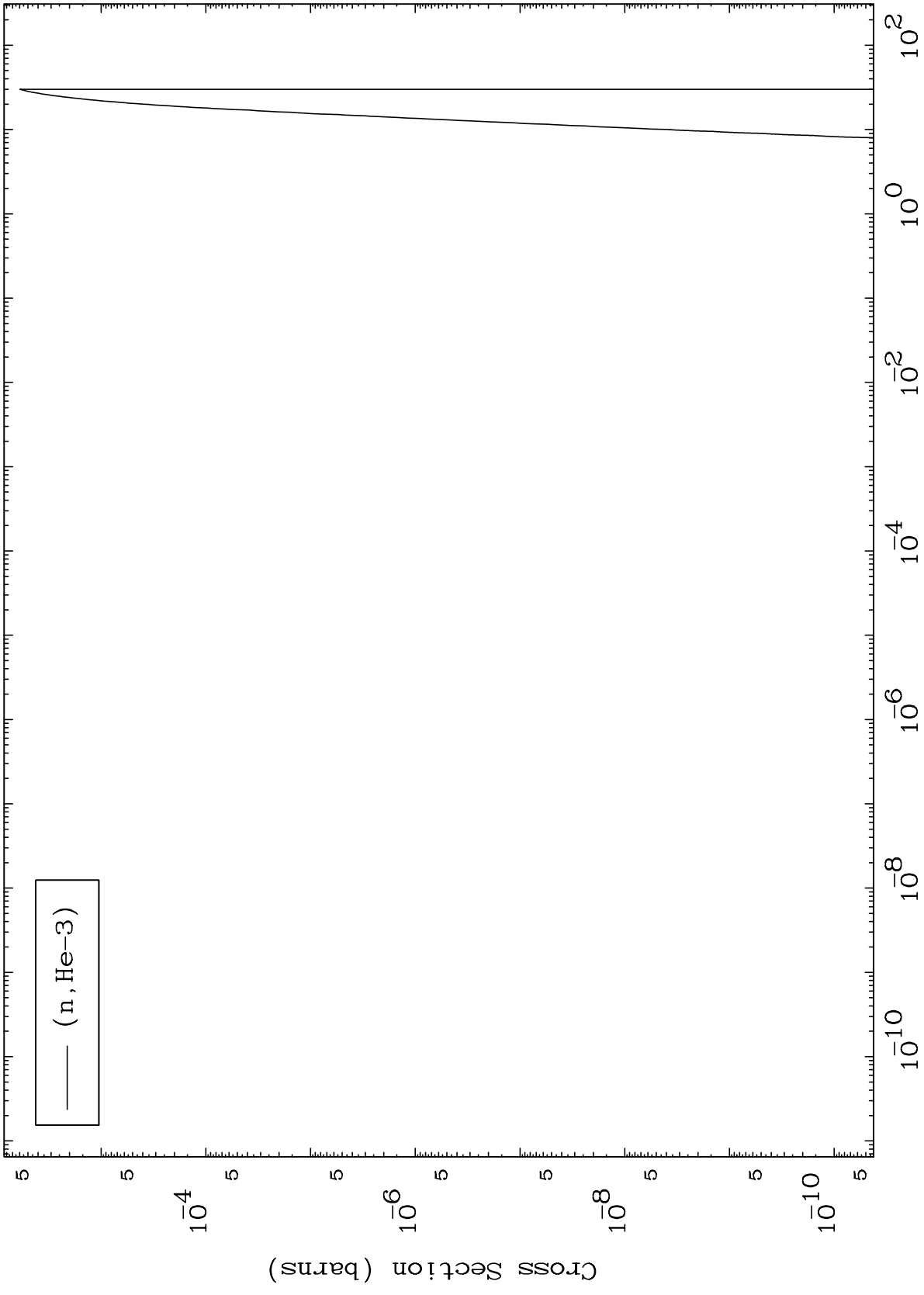
83-Bi-194



MAT 8280

(n,He3) Levels  
293 Kelvin Cross Sections

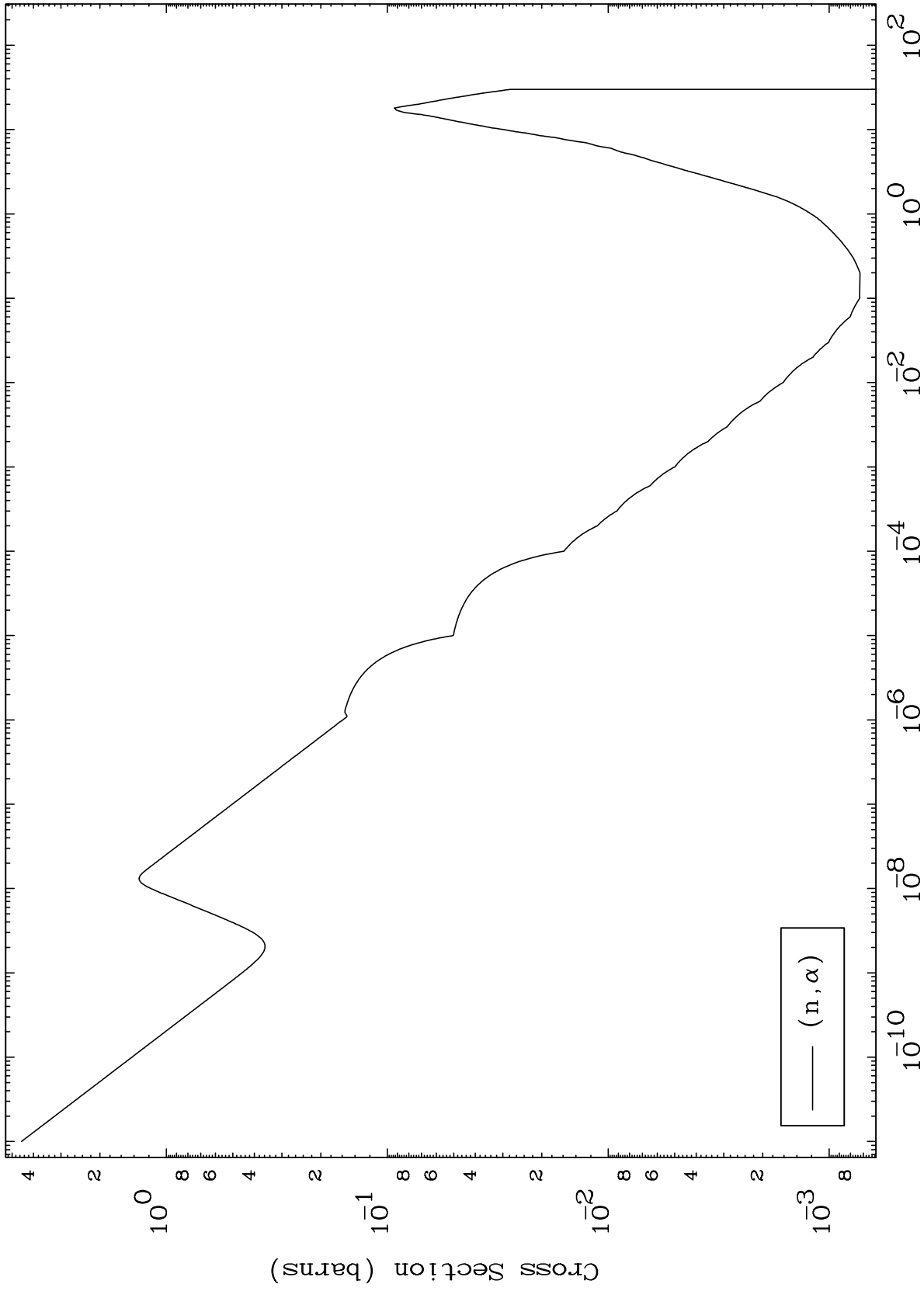
83-Bi-194



MAT 8280

(n,α) Levels  
293 Kelvin Cross Sections

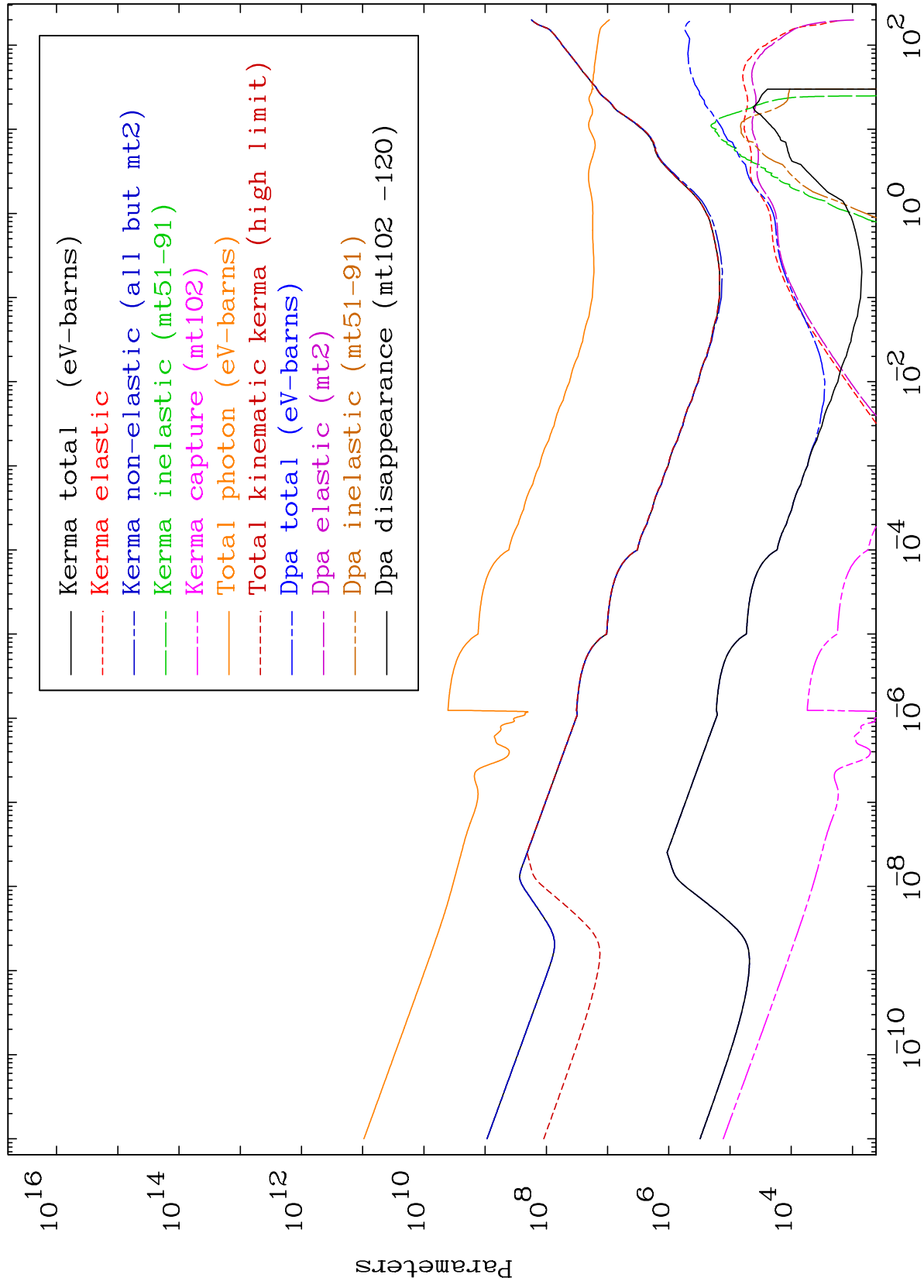
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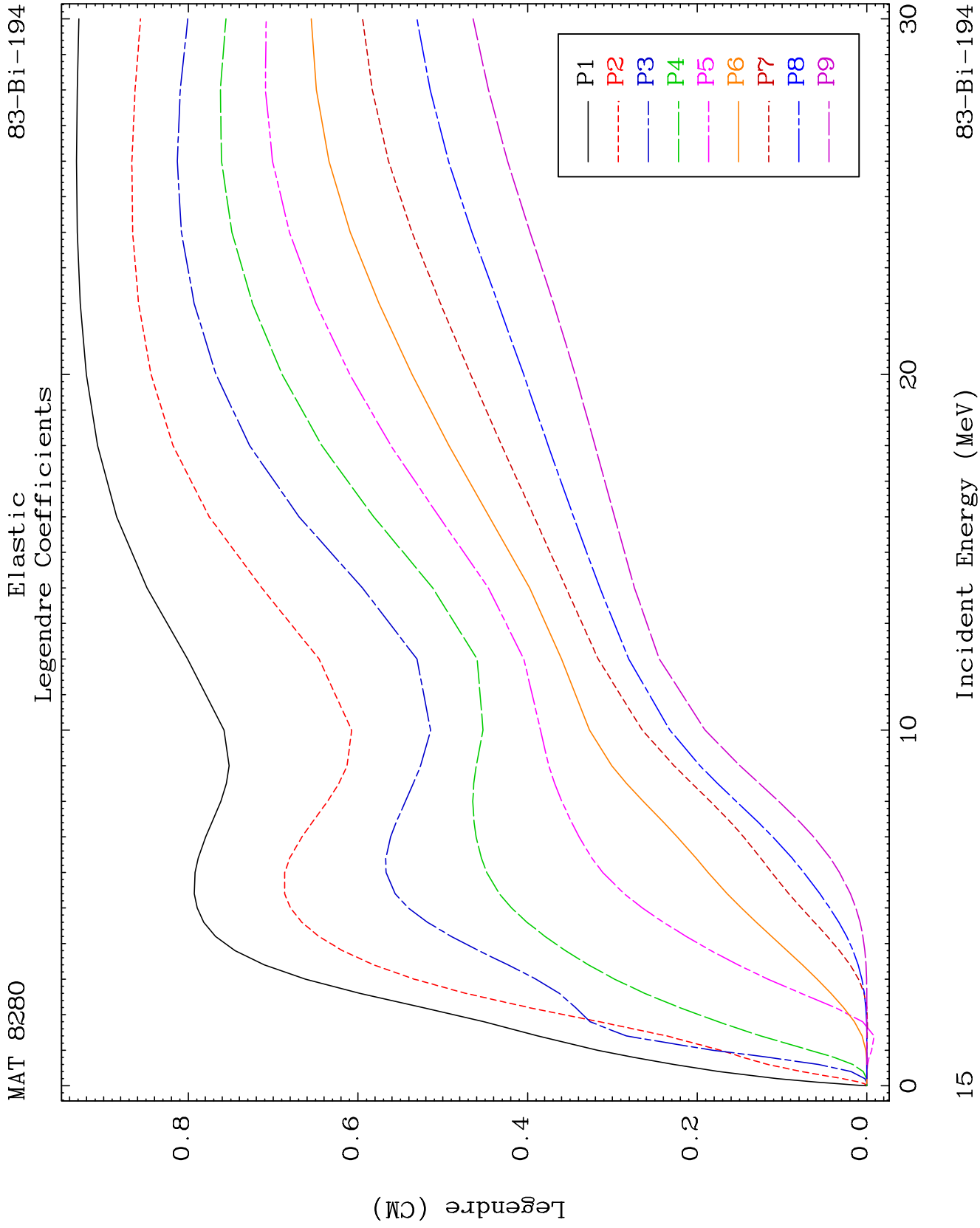


13

Incident Energy (MeV)

83-Bi-194



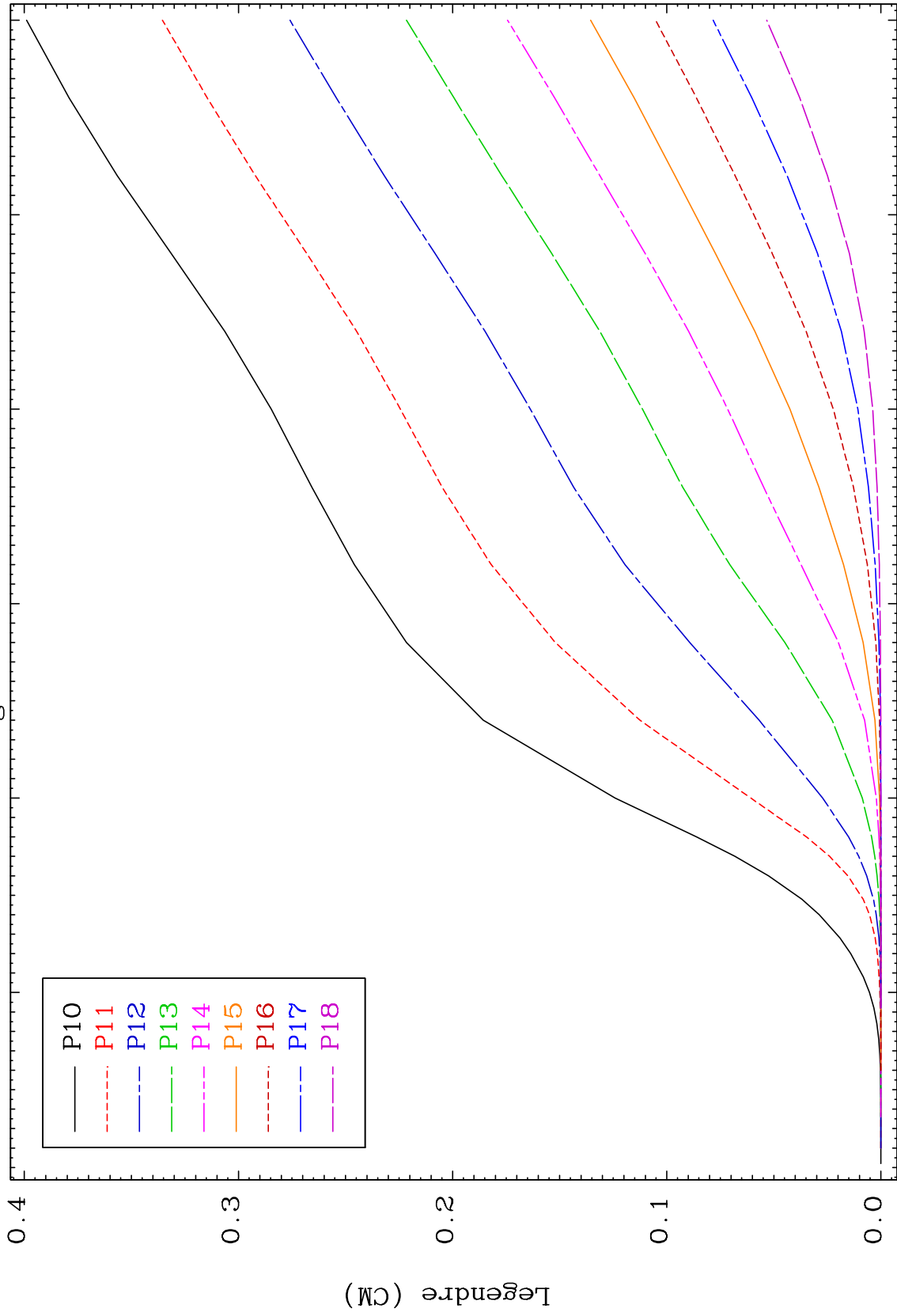




MAT 8280

Elastic Legendre Coefficients

83-Bi-194



16

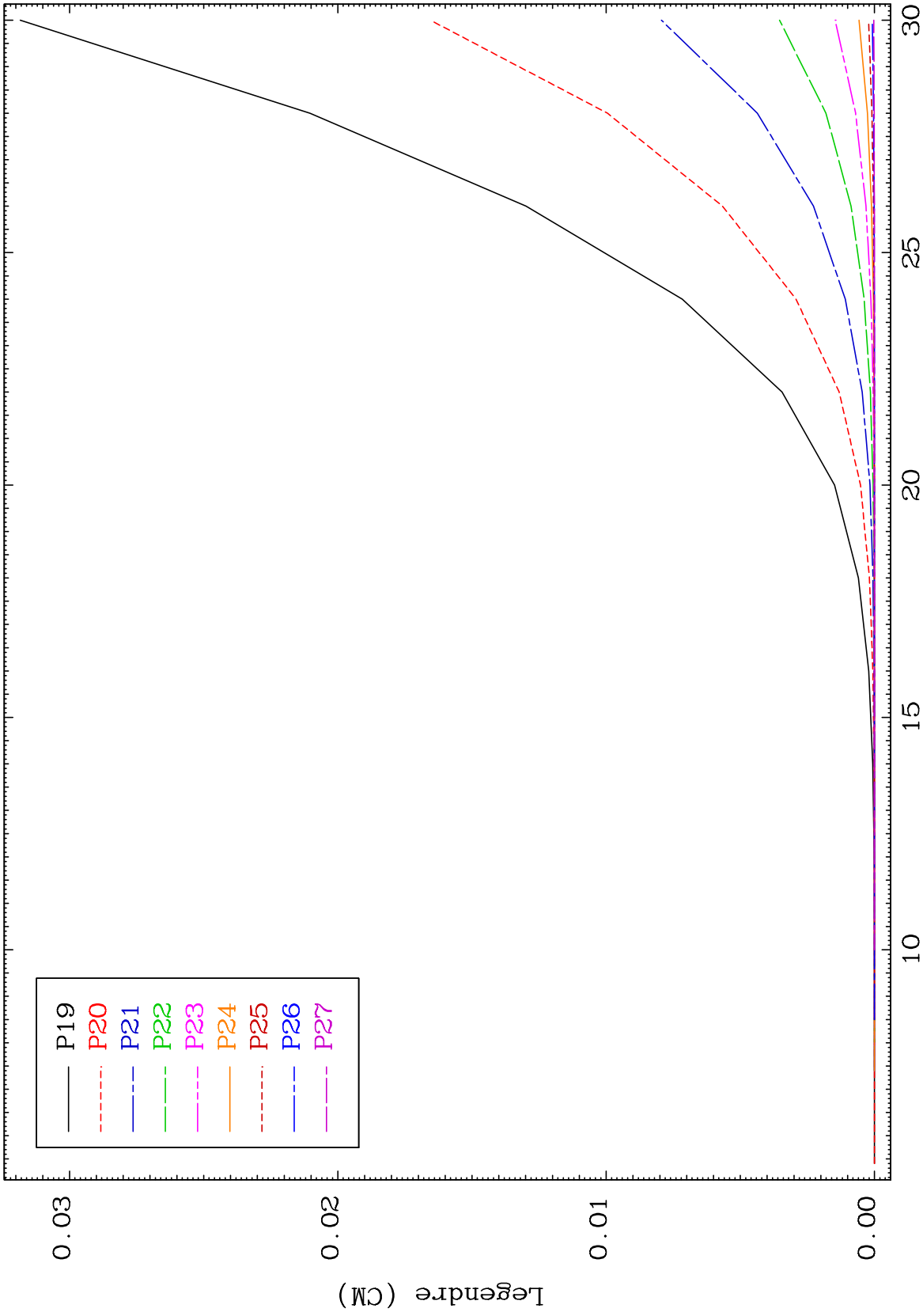
Incident Energy (MeV)

83-Bi-194

MAT 8280

### Elastic Legendre Coefficients

83-Bi-194



17

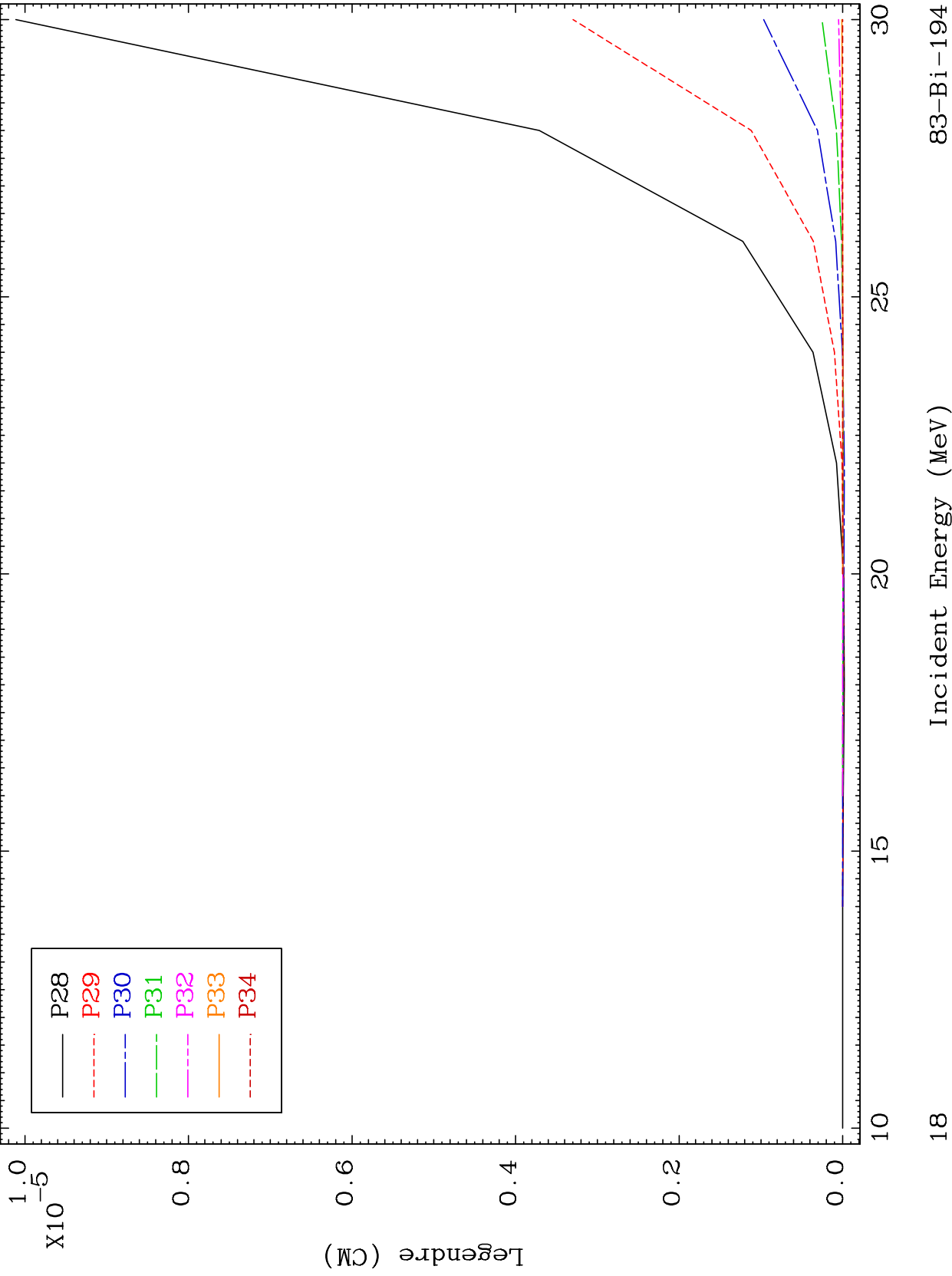
Incident Energy (MeV)

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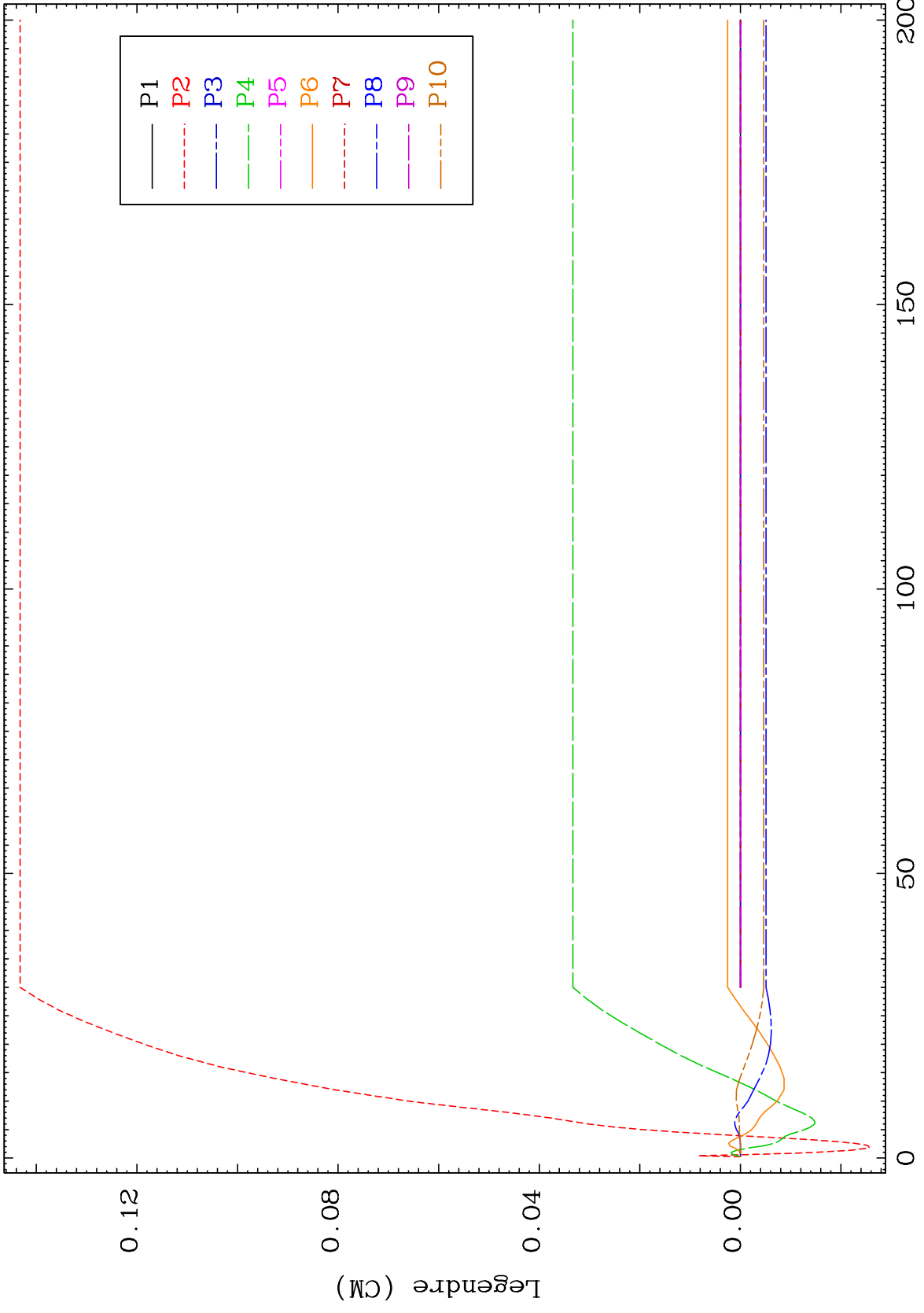
MAT 8280

Elastic Legendre Coefficients

83-Bi-194



MAT 8280 MT= 51 (n,n') Level Legendre Coefficients 83-Bi-194

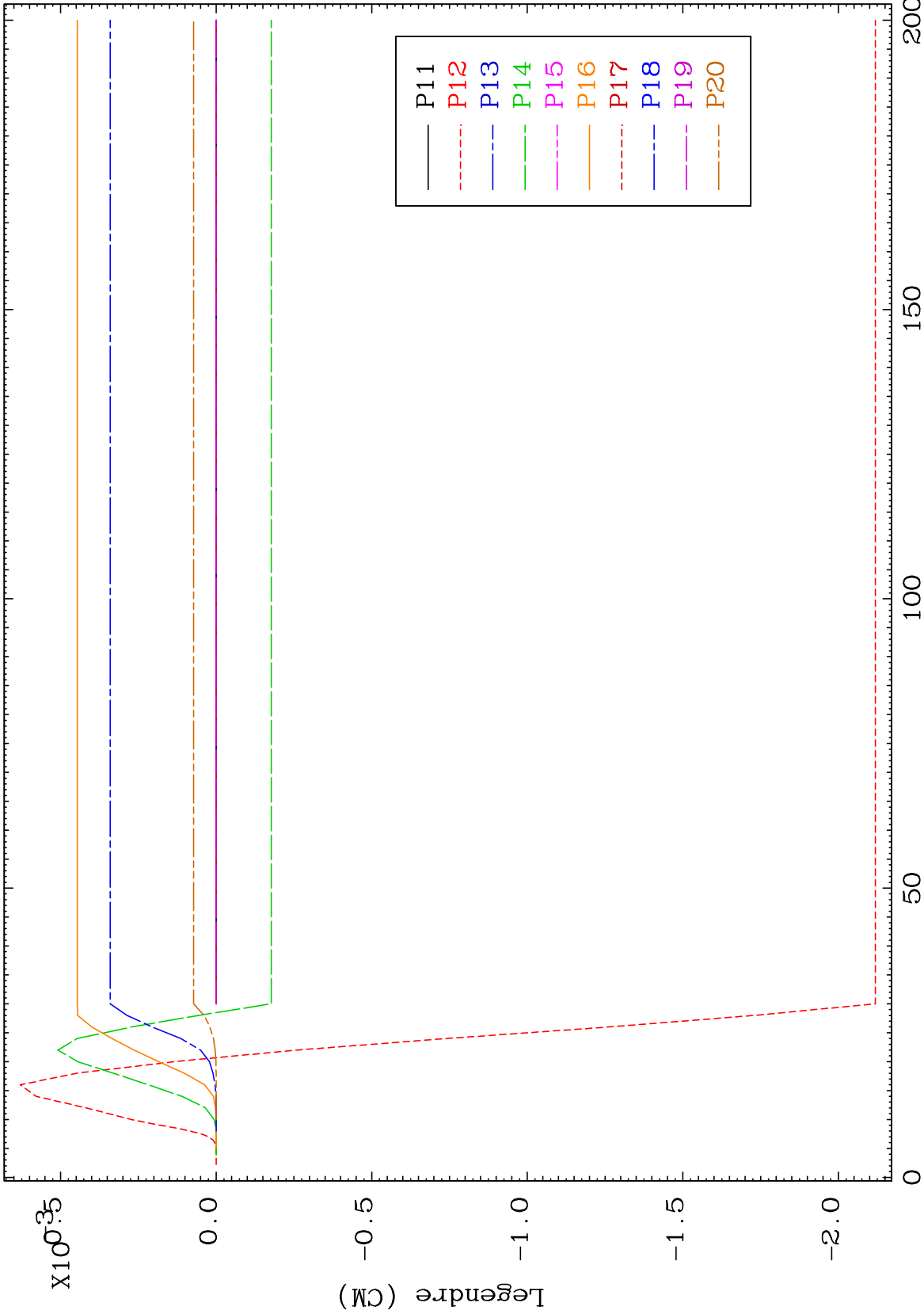


19 83-Bi-194

MAT 8280

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

83-Bi-194



20

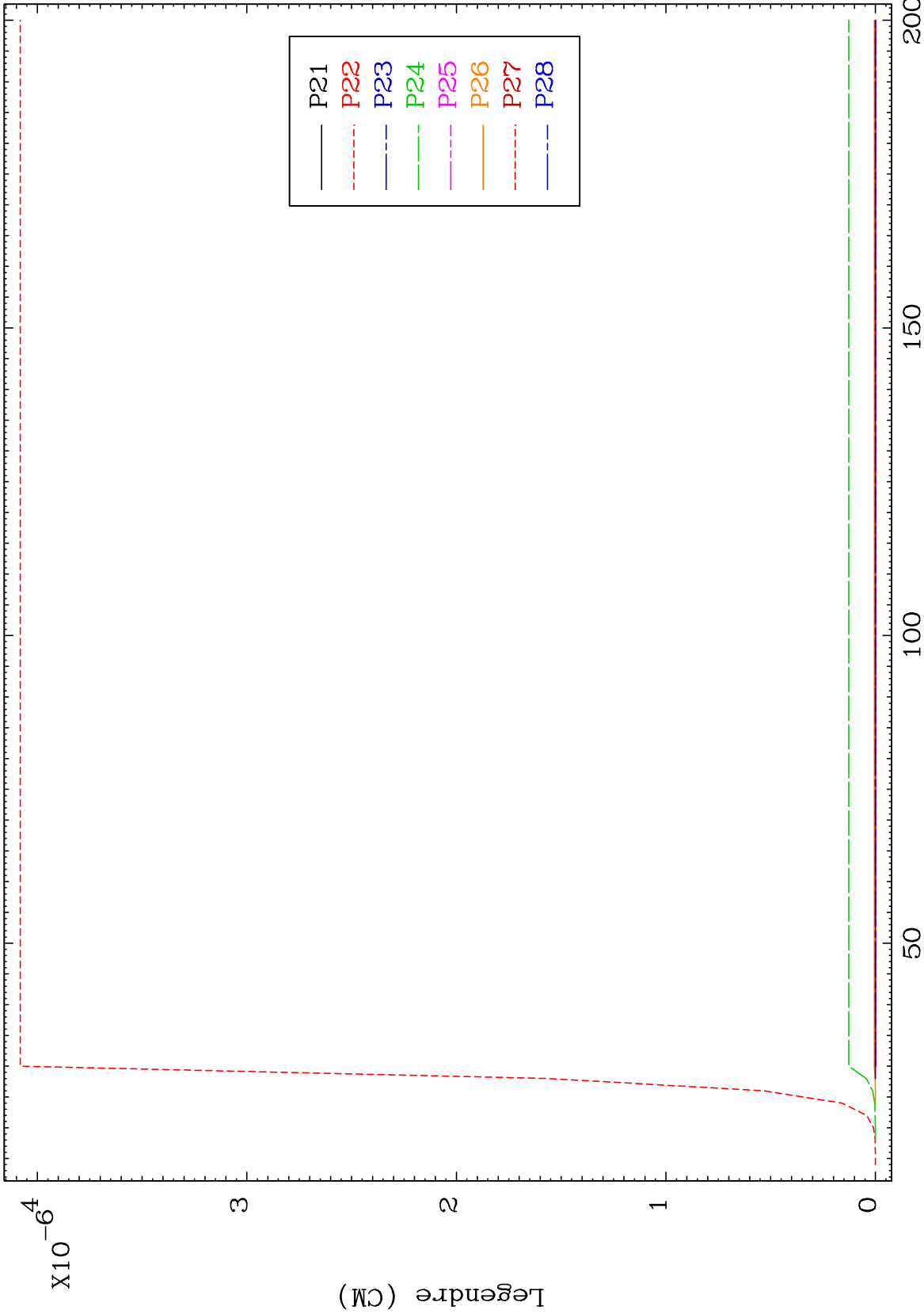
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



21

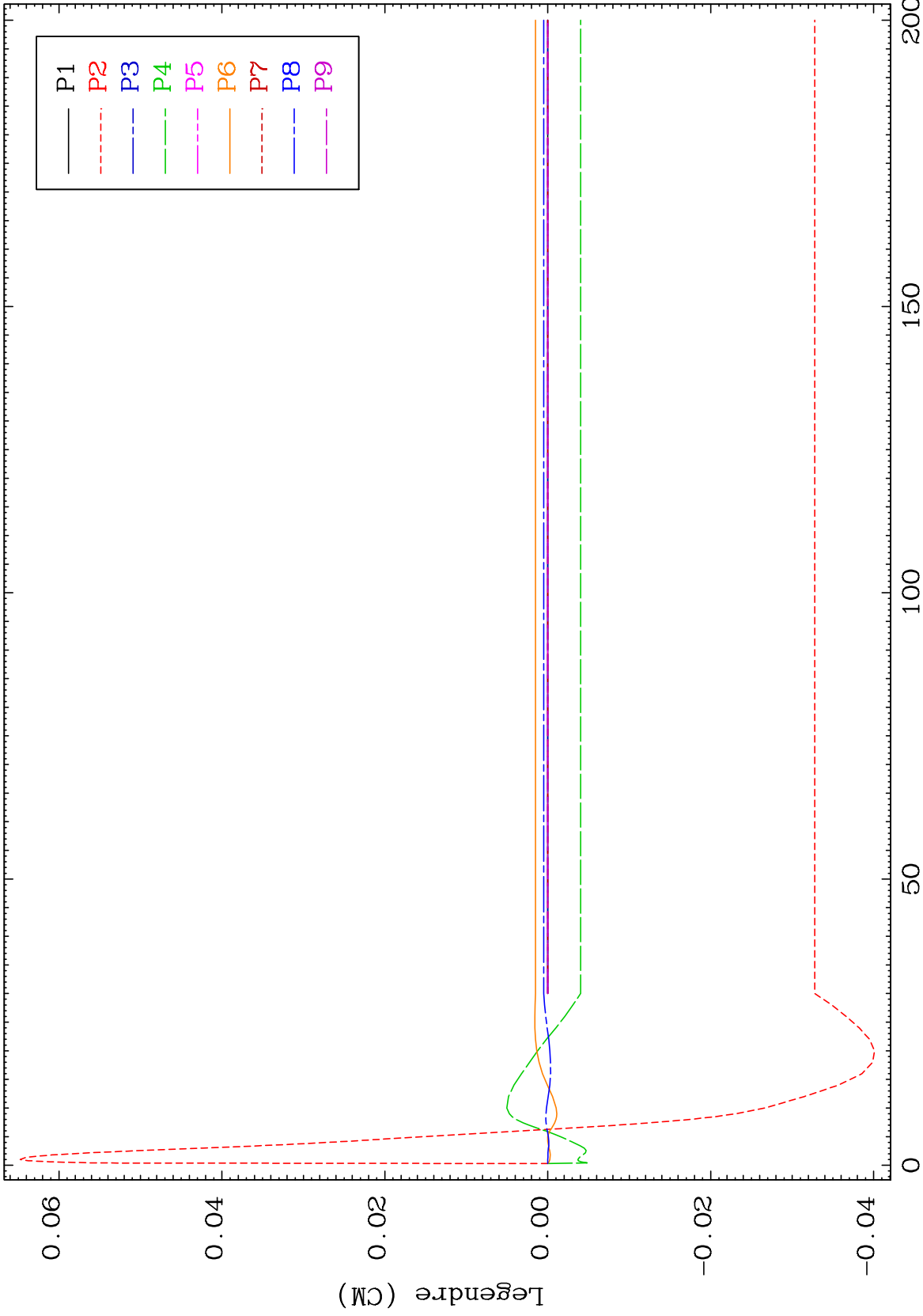
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



22

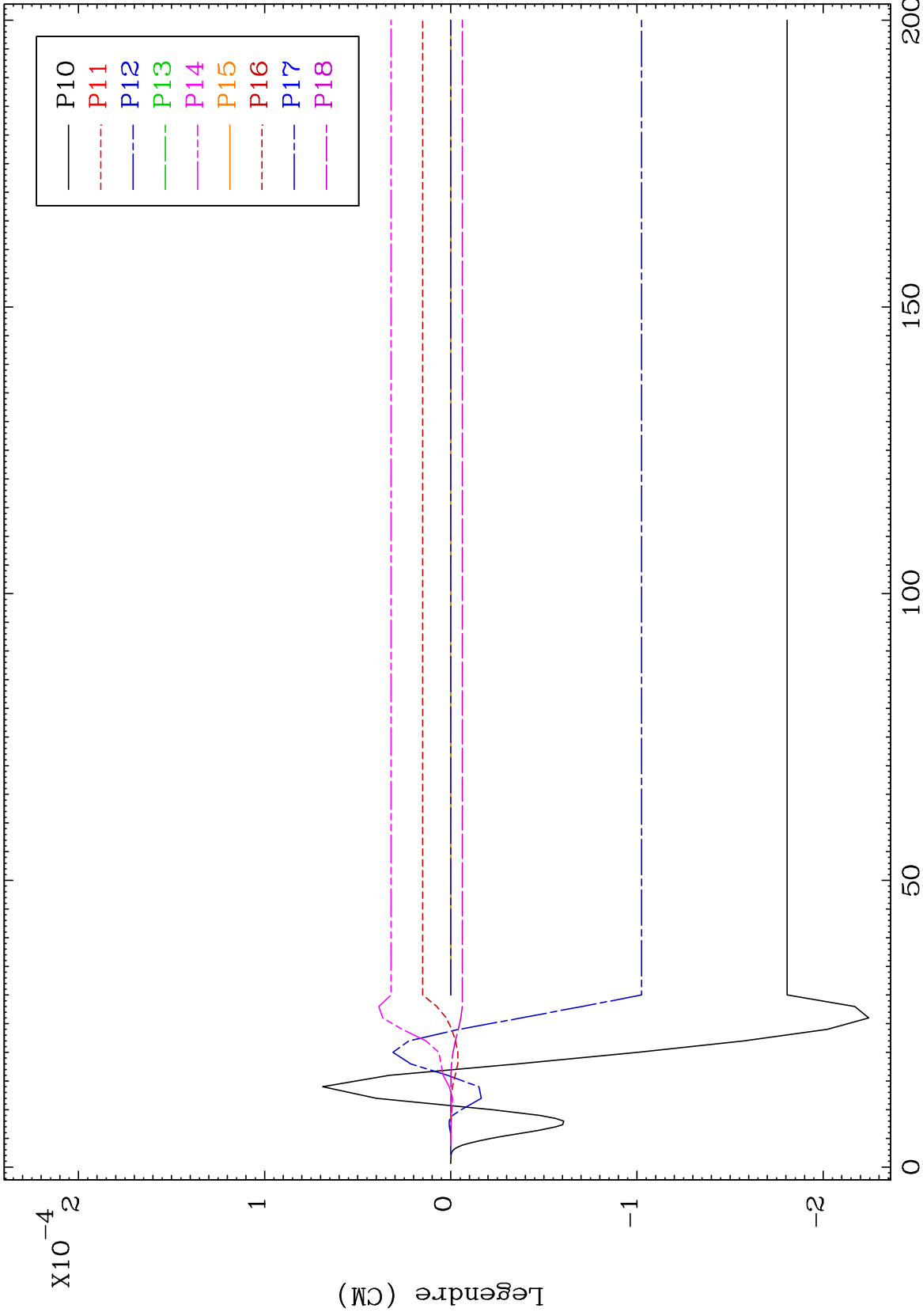
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



23

Incident Energy (MeV)

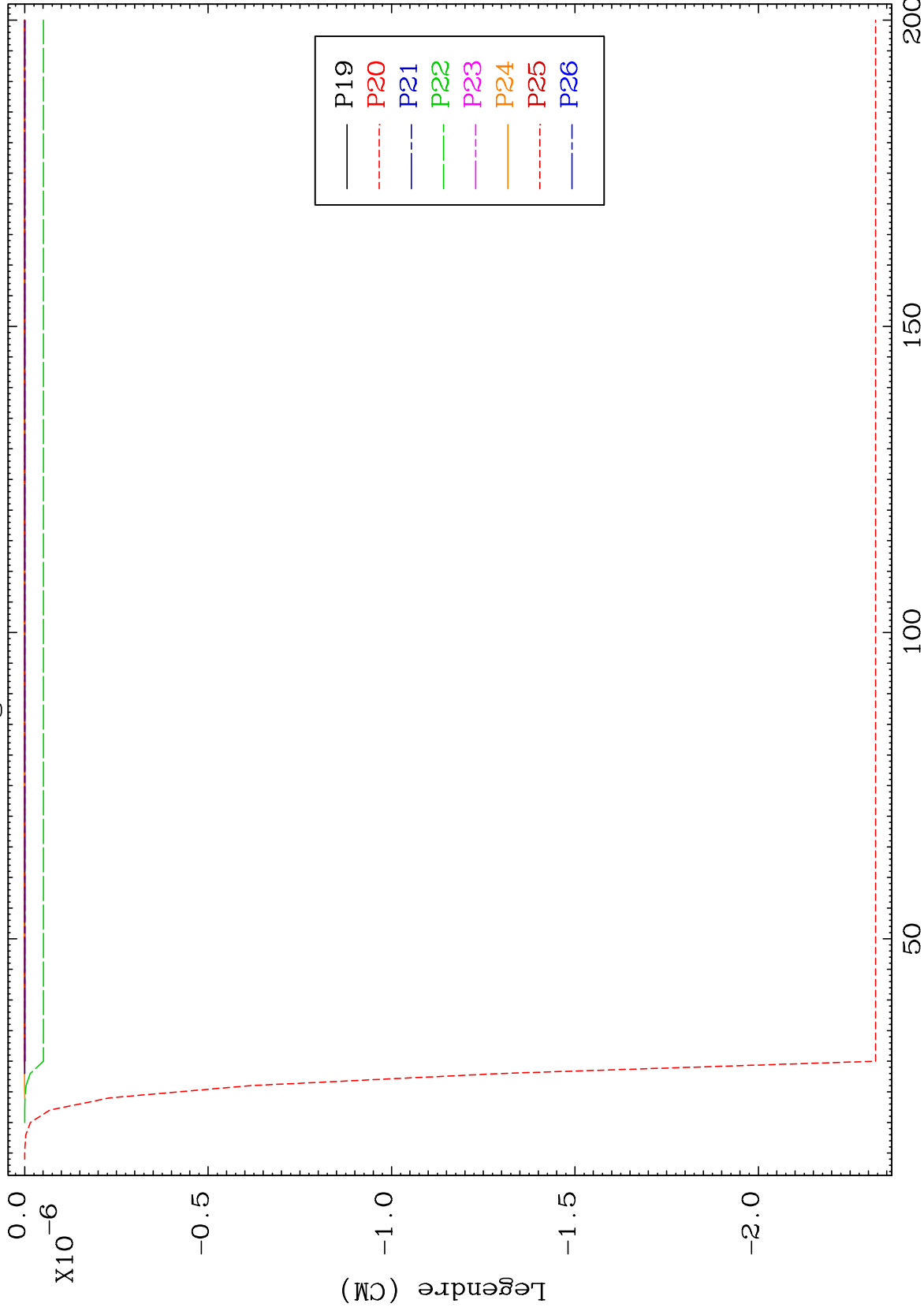
83-Bi-194



MAT 8280

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

83-Bi-194

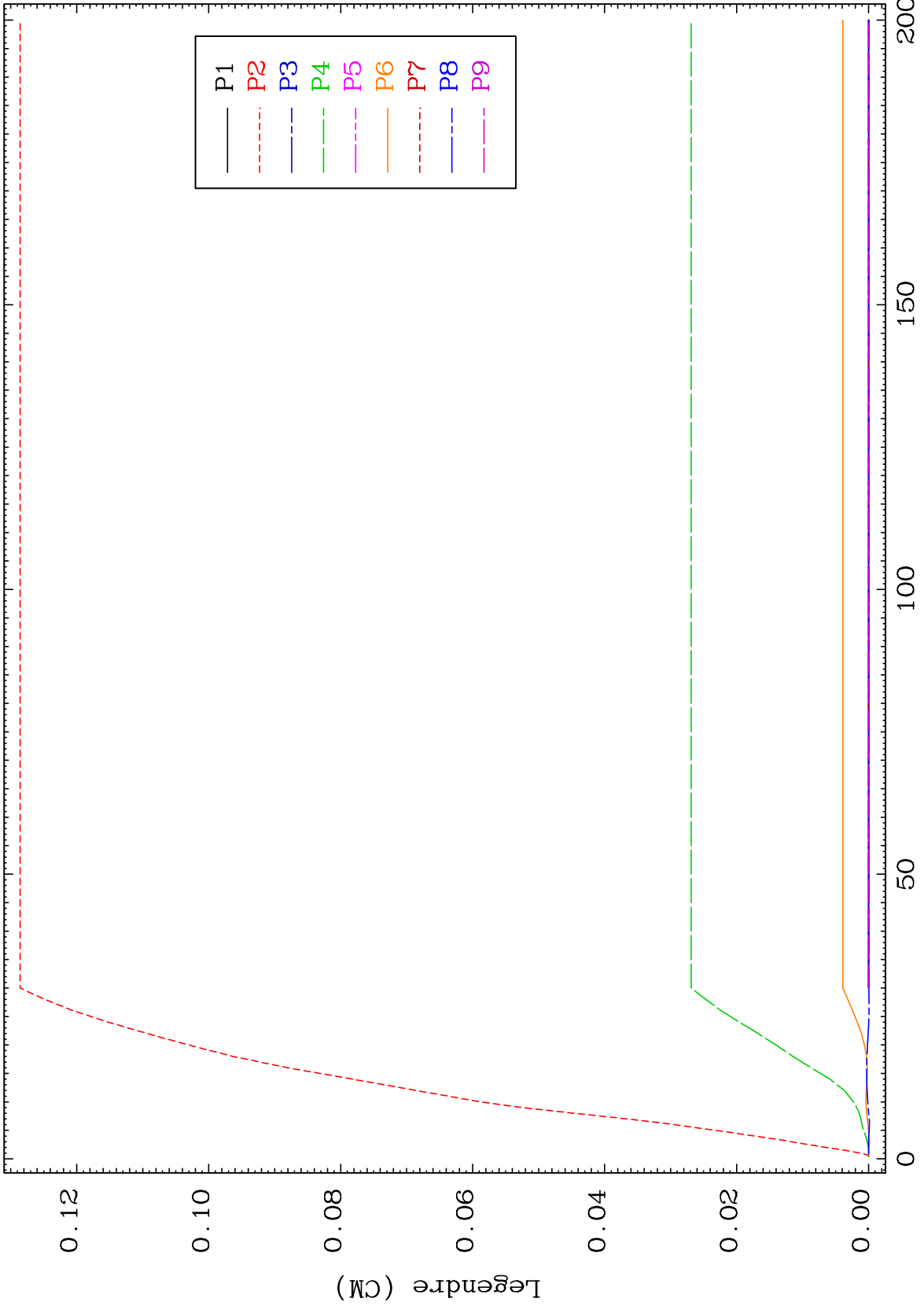


83-Bi-194

Incident Energy (MeV)

24

MAT 8280 MT= 53 (n,n') Level Legendre Coefficients 83-Bi-194

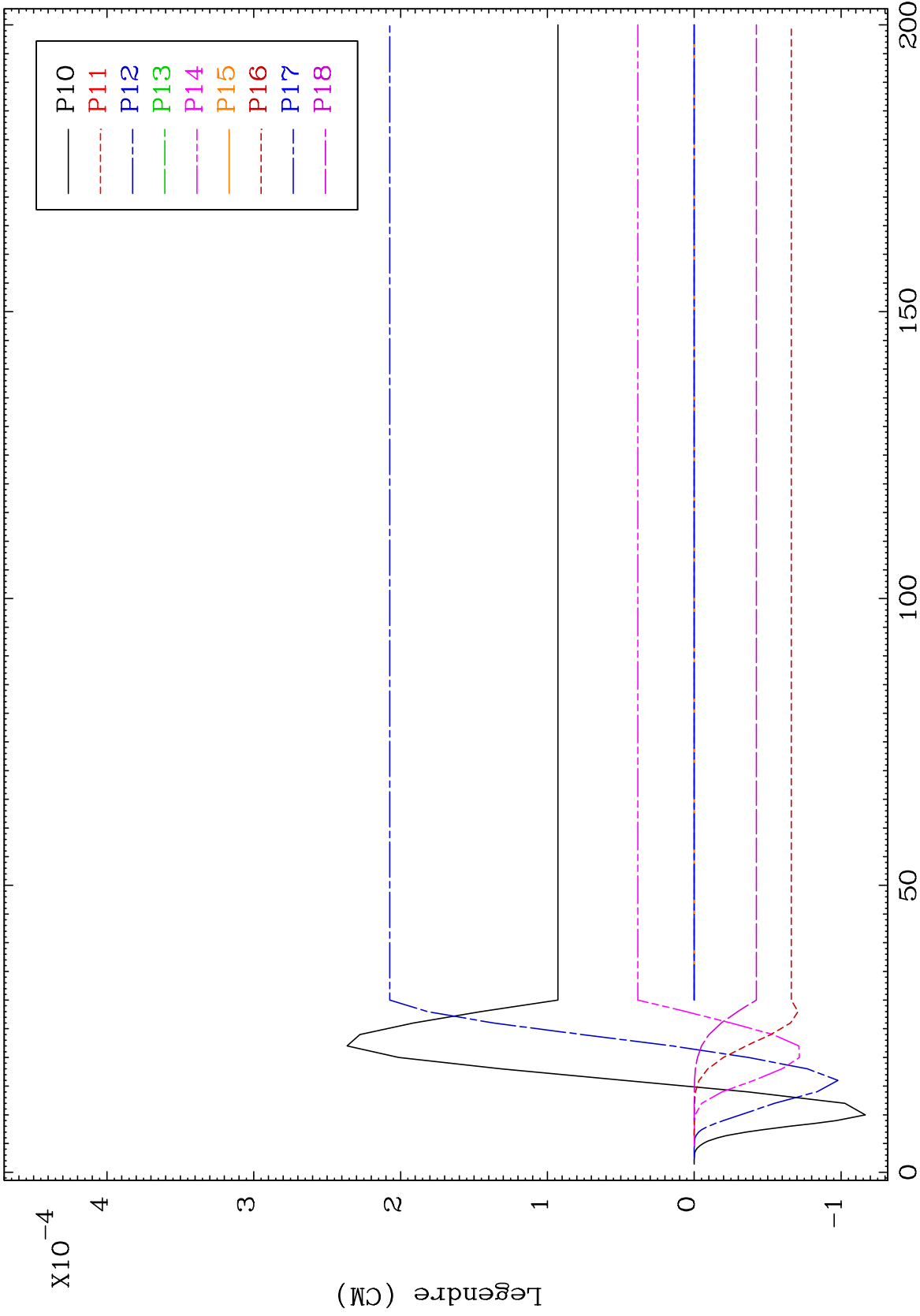


83-Bi-194

MAT 8280

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

83-Bi-194



26

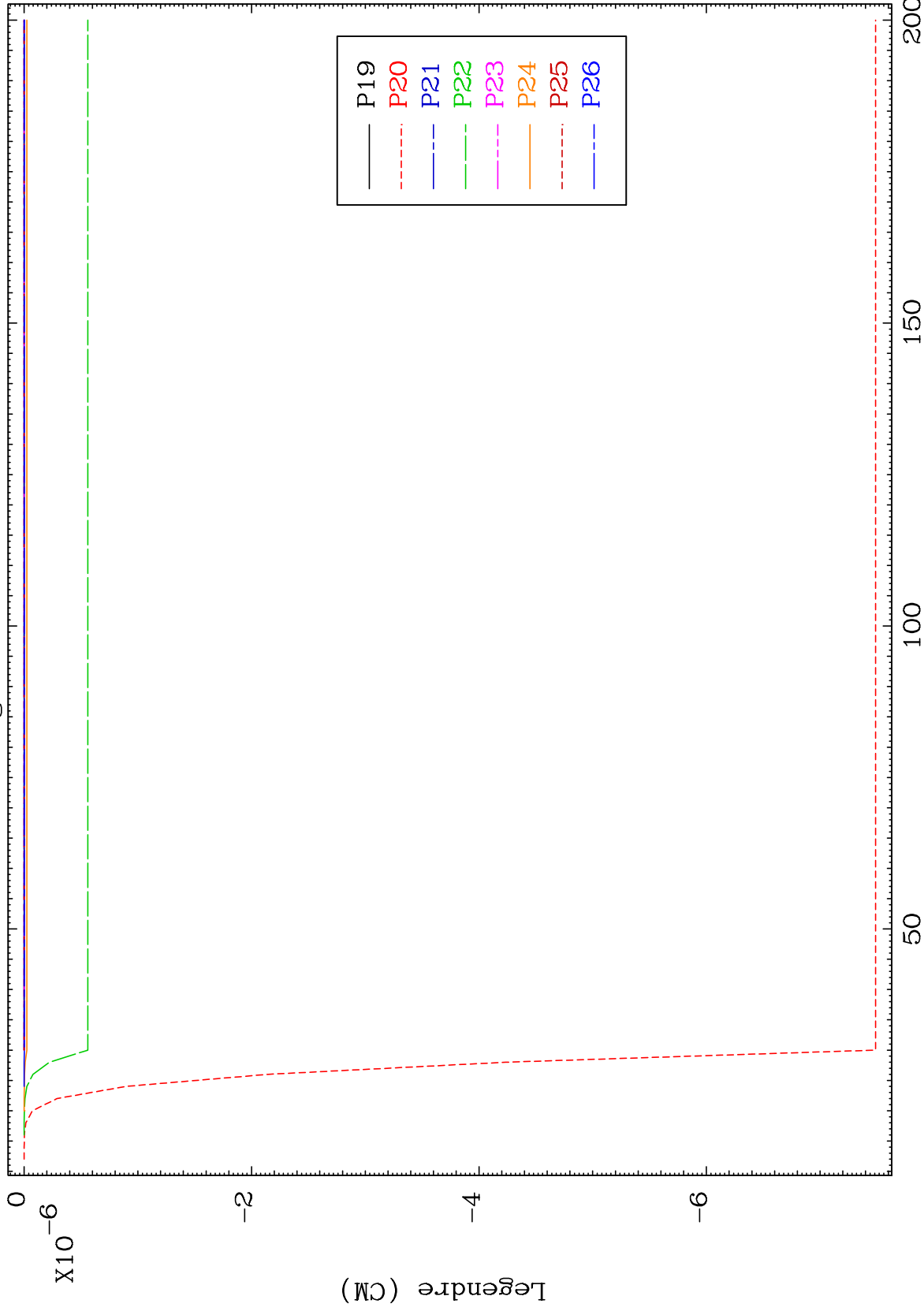
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194

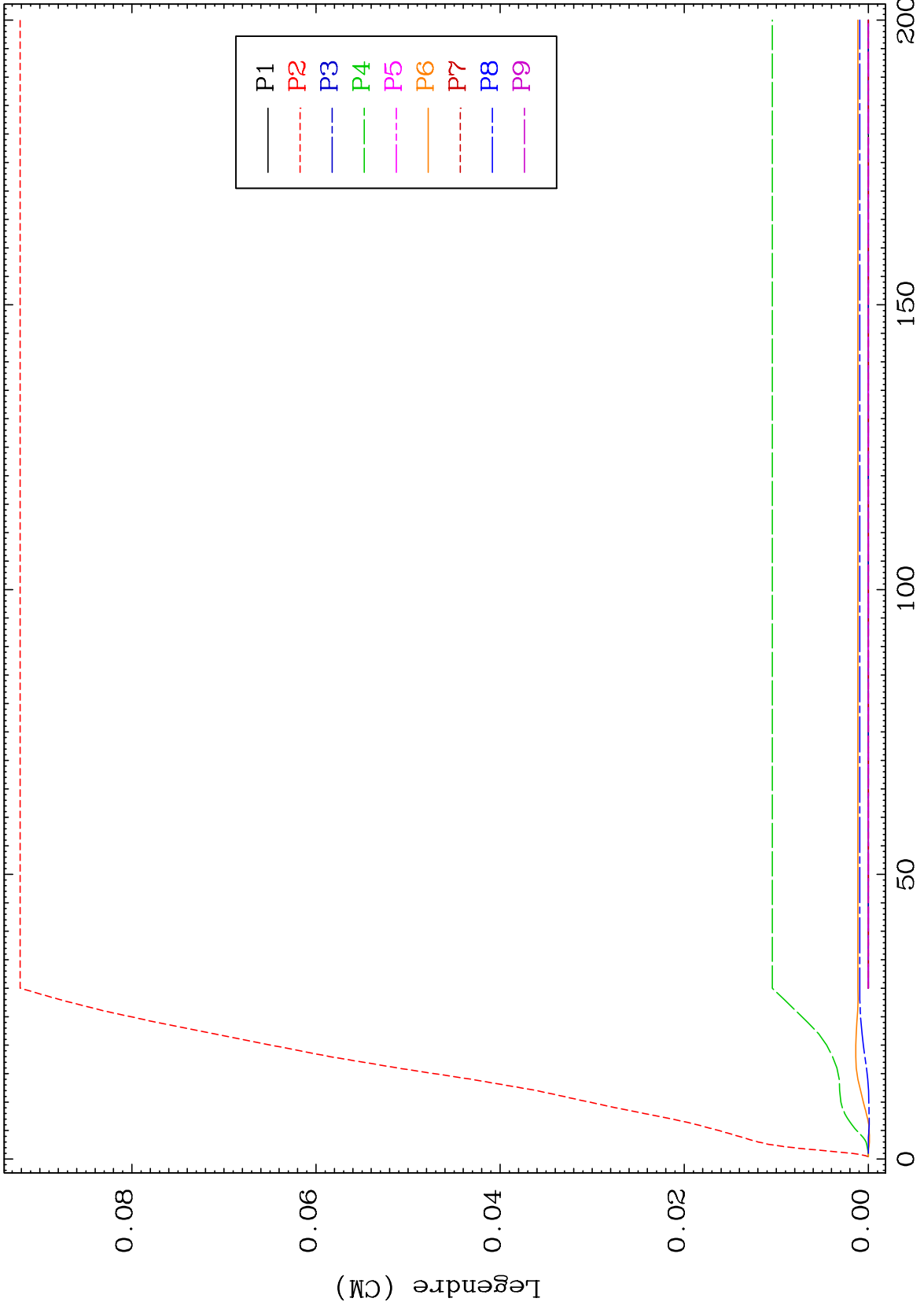


27

Incident Energy (MeV)

83-Bi-194

MAT 8280 MT= 54 (n,n') Level Legendre Coefficients 83-Bi-194

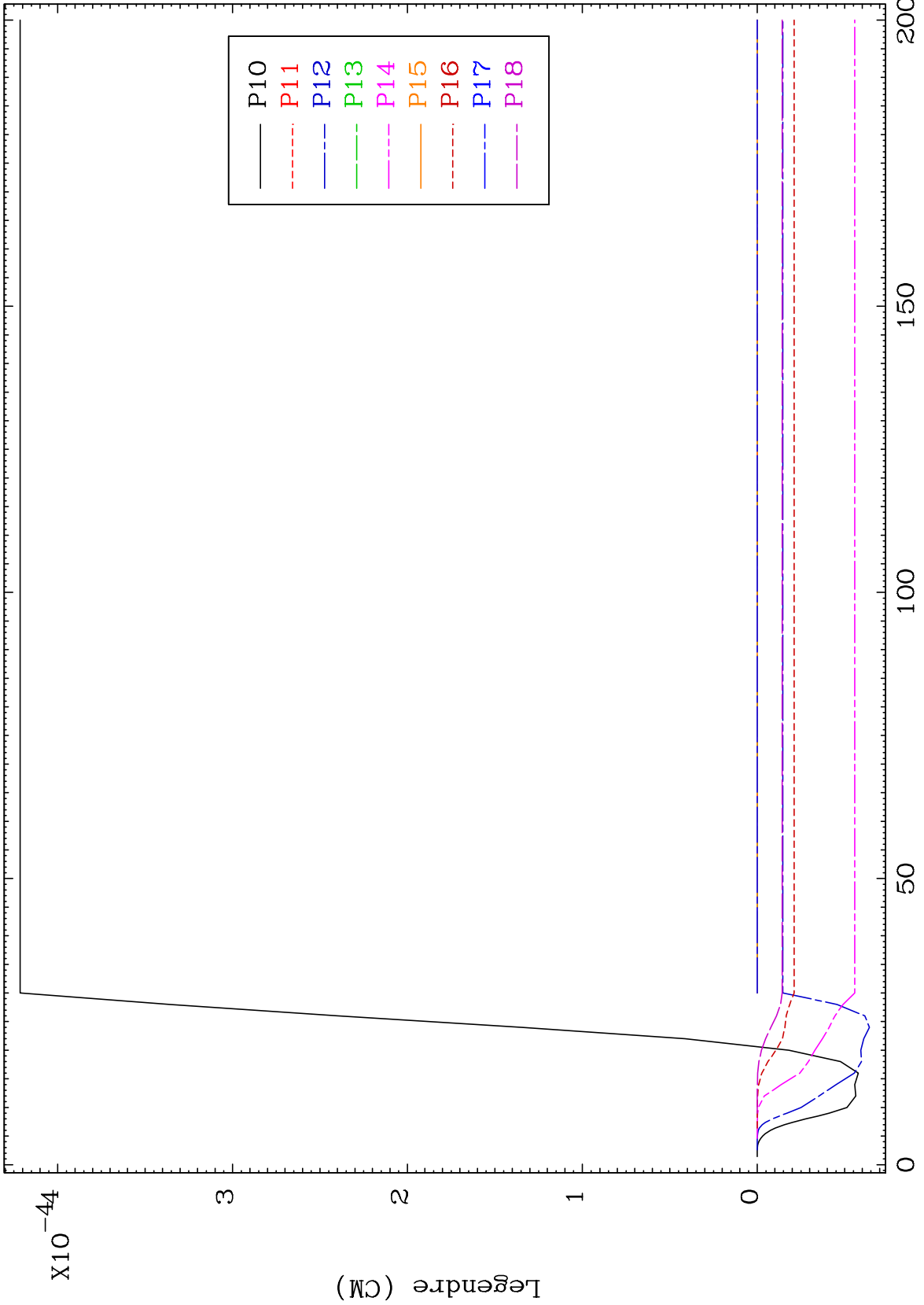


28 Incident Energy (MeV) 83-Bi-194

MAT 8280

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

83-Bi-194



29

Incident Energy (MeV)

83-Bi-194

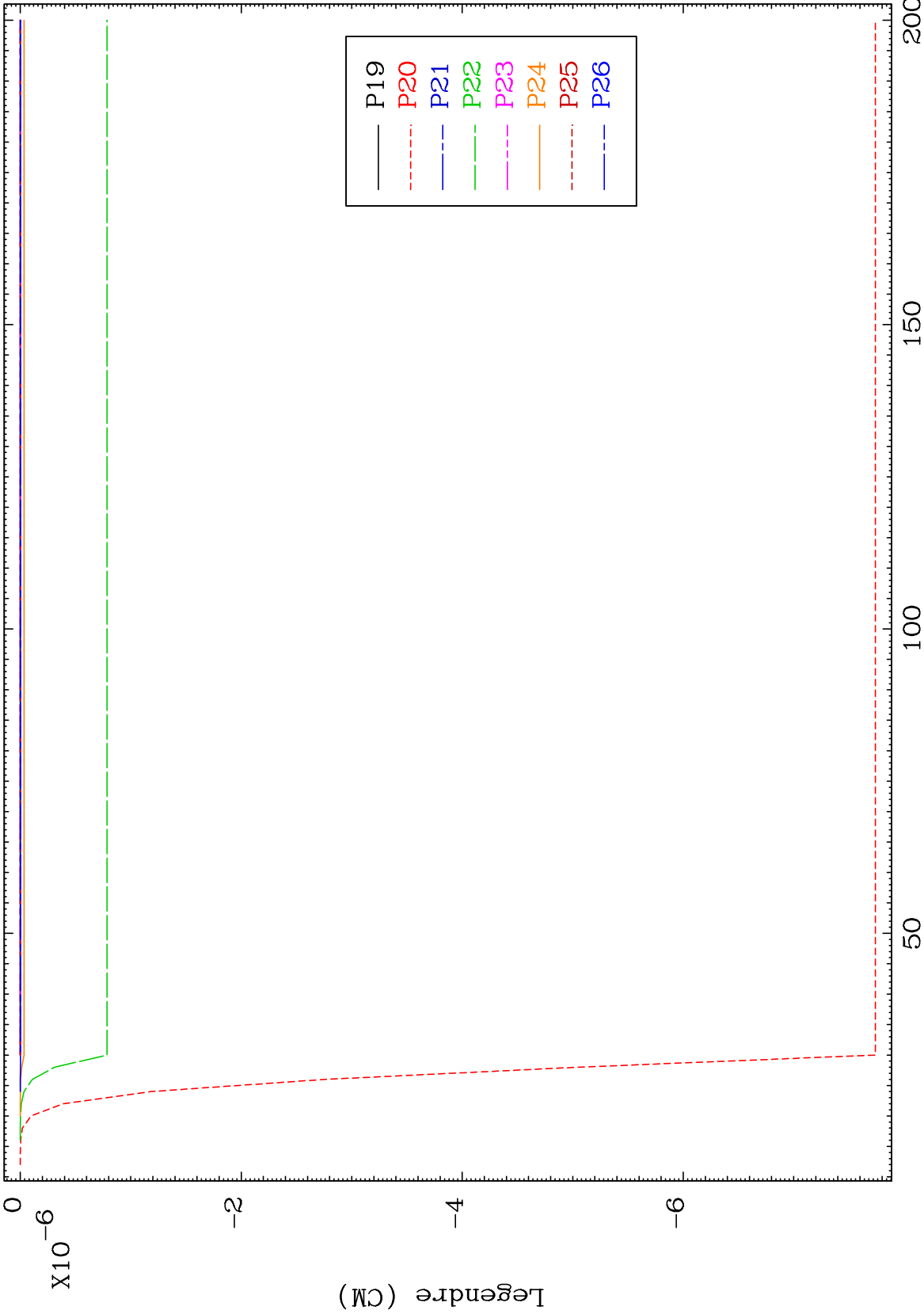
MAT 8280

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

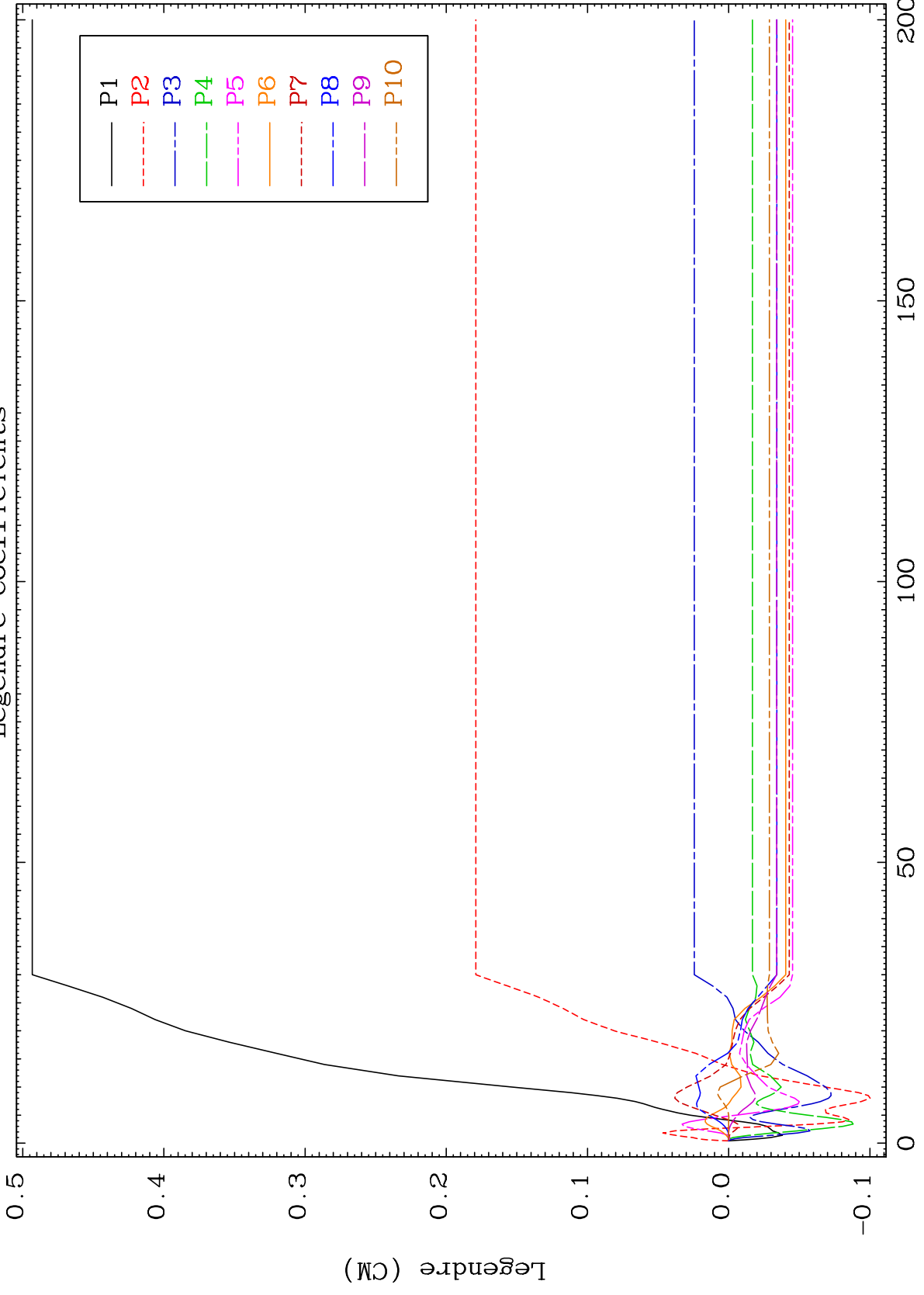
83-Bi-194

Incident Energy (MeV)

30



MAT 8280 MT= 55 (n,n') Level Legendre Coefficients 83-Bi-194



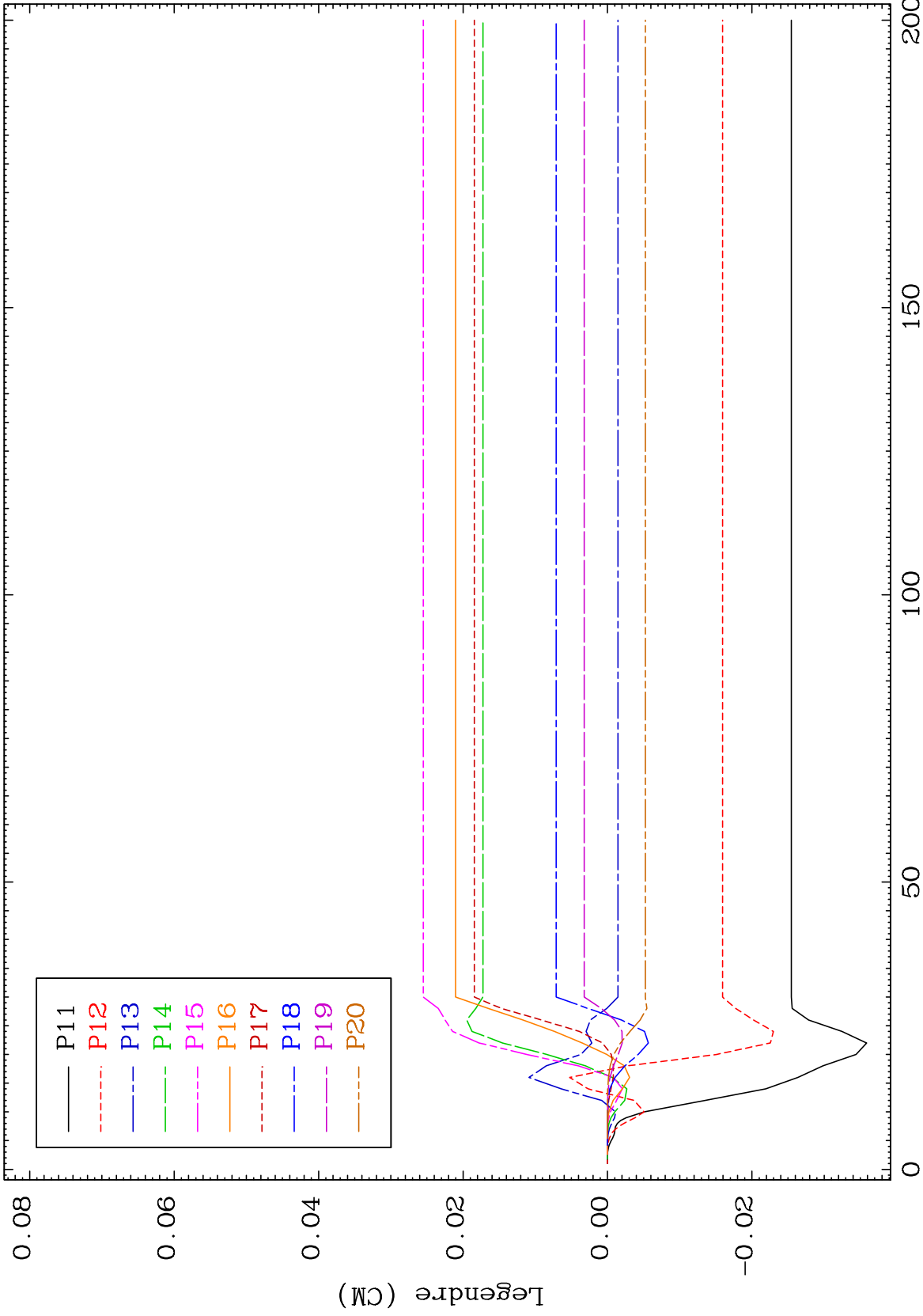
31 83-Bi-194



MAT 8280

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

83-Bi-194

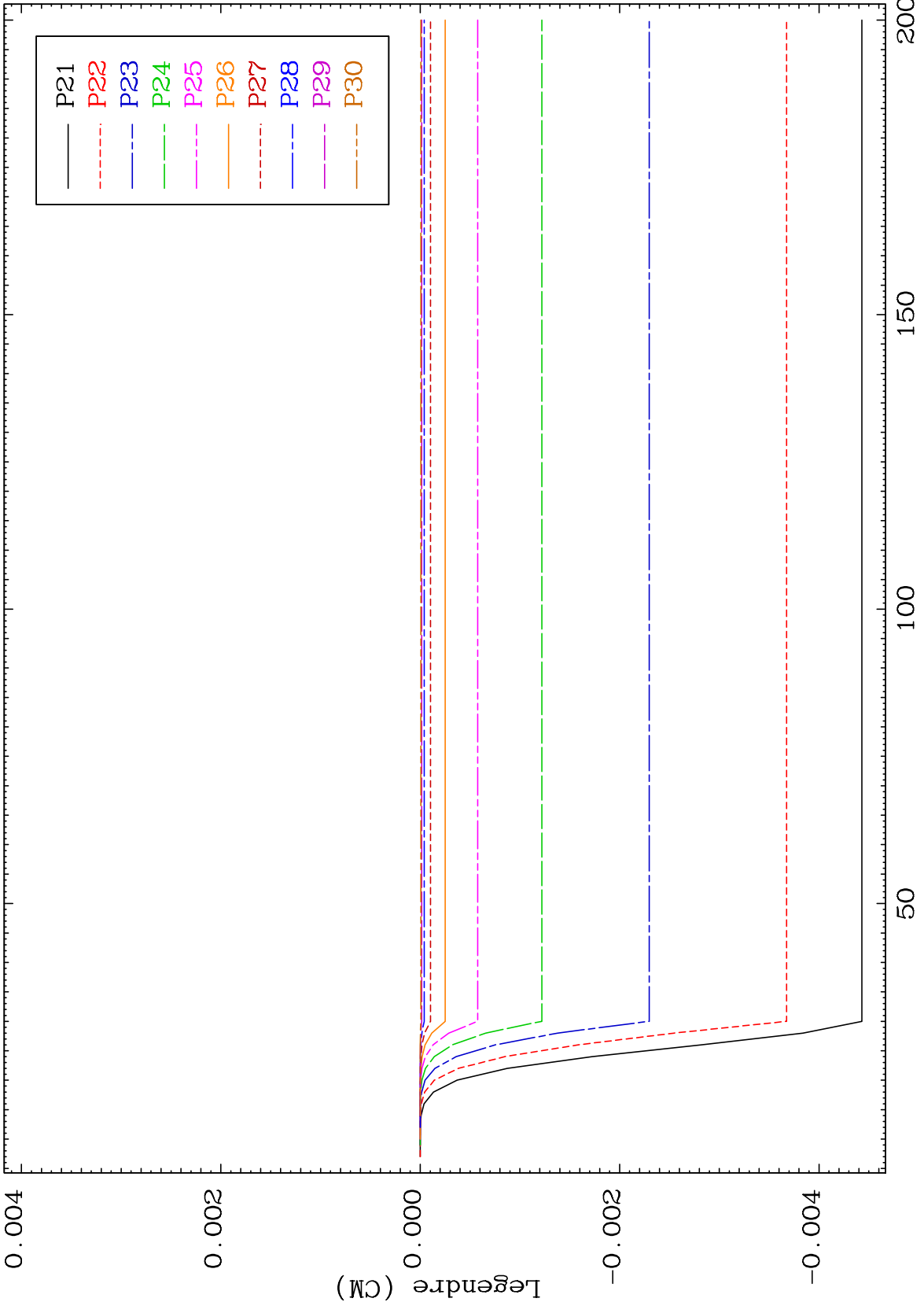


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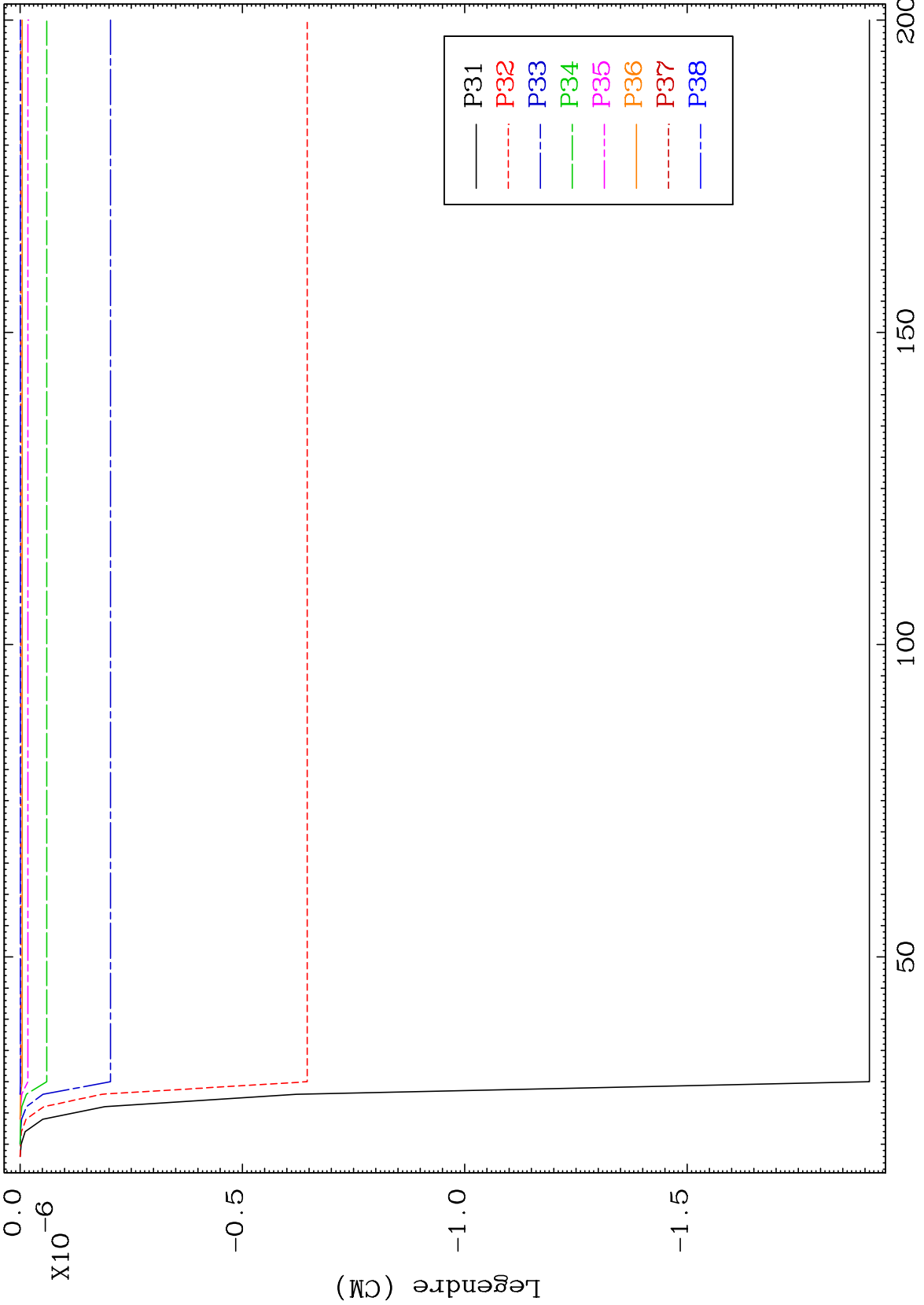
Incident Energy (MeV)

83-Bi-194

MAT 8280 MT= 55 (n,n') Level Legendre Coefficients 83-Bi-194



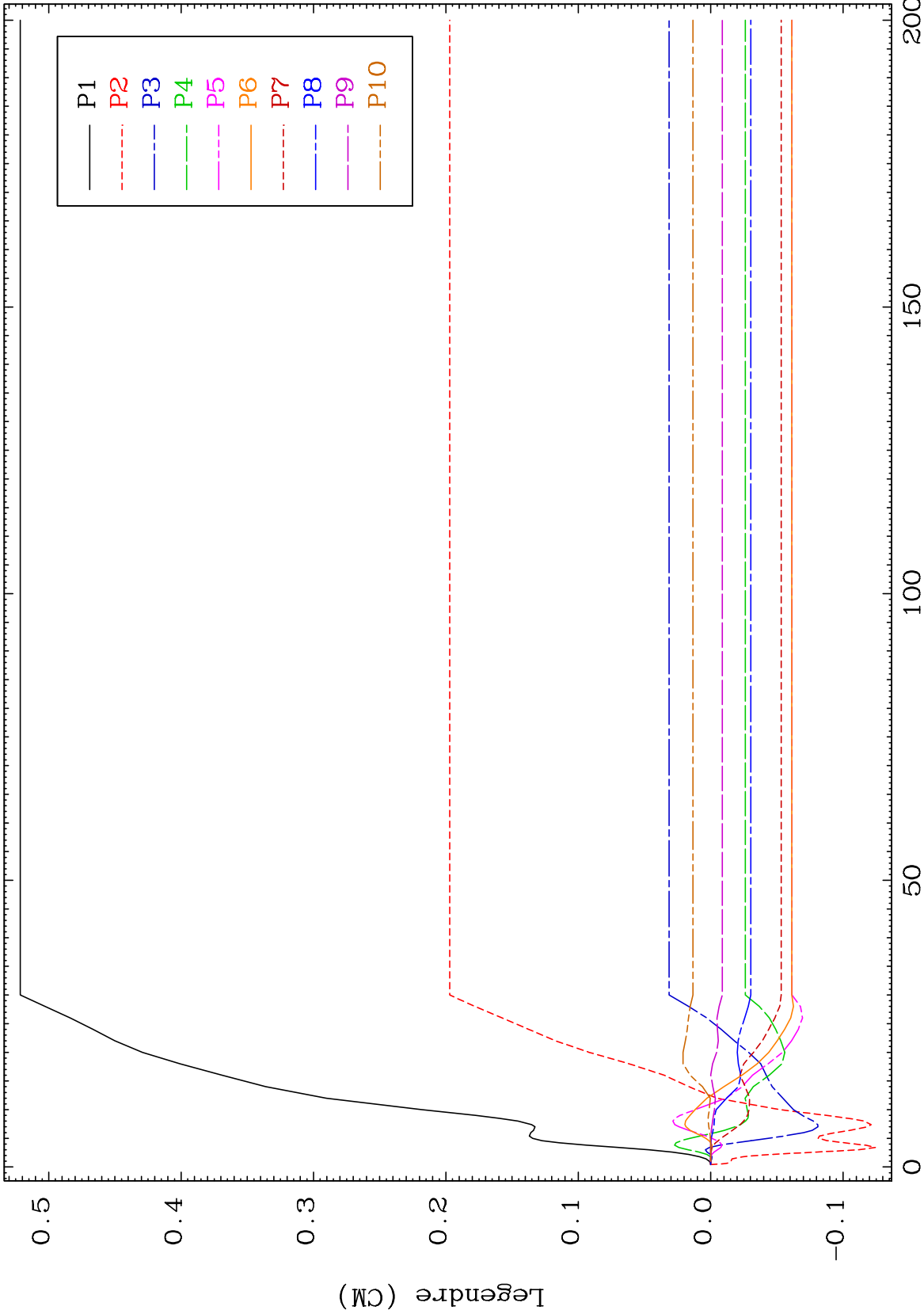
Legendre Coefficients



MAT 8280

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

83-Bi-194

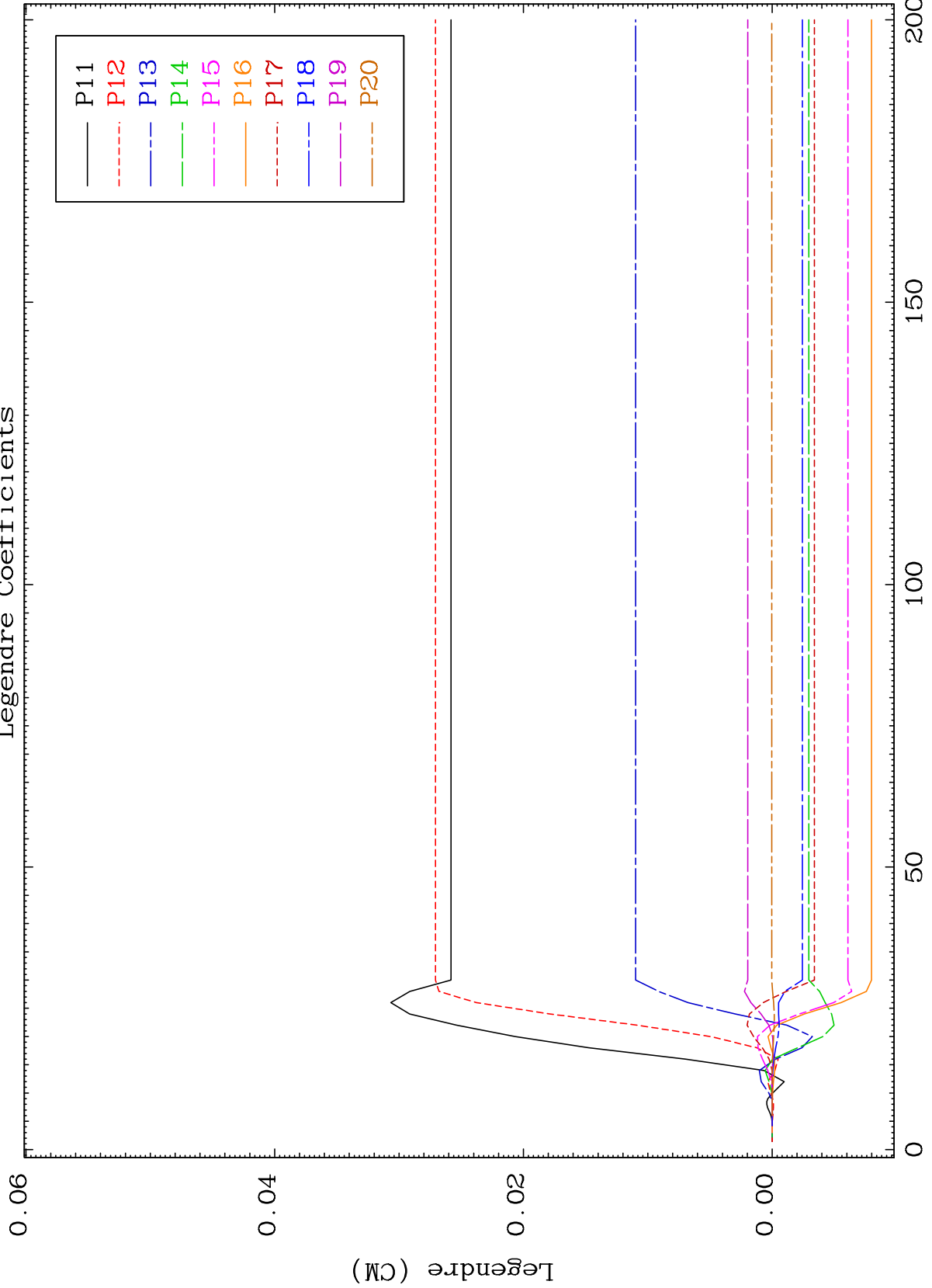


35

Incident Energy (MeV)

83-Bi-194

MAT 8280 MT= 56 (n,n') Level Legendre Coefficients 83-Bi-194



83-Bi-194

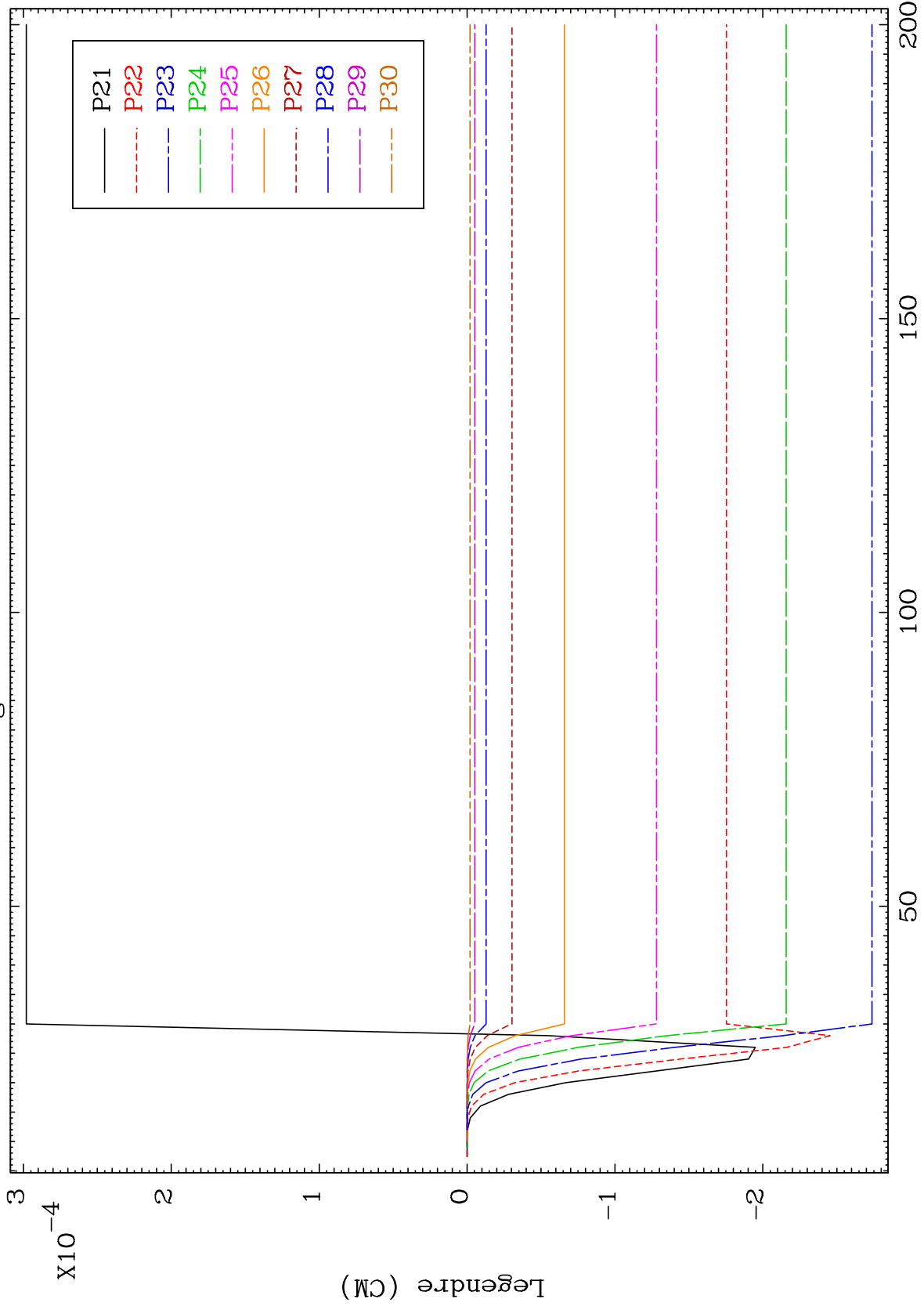
Incident Energy (MeV)

36

MAT 8280

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

83-Bi-194



37

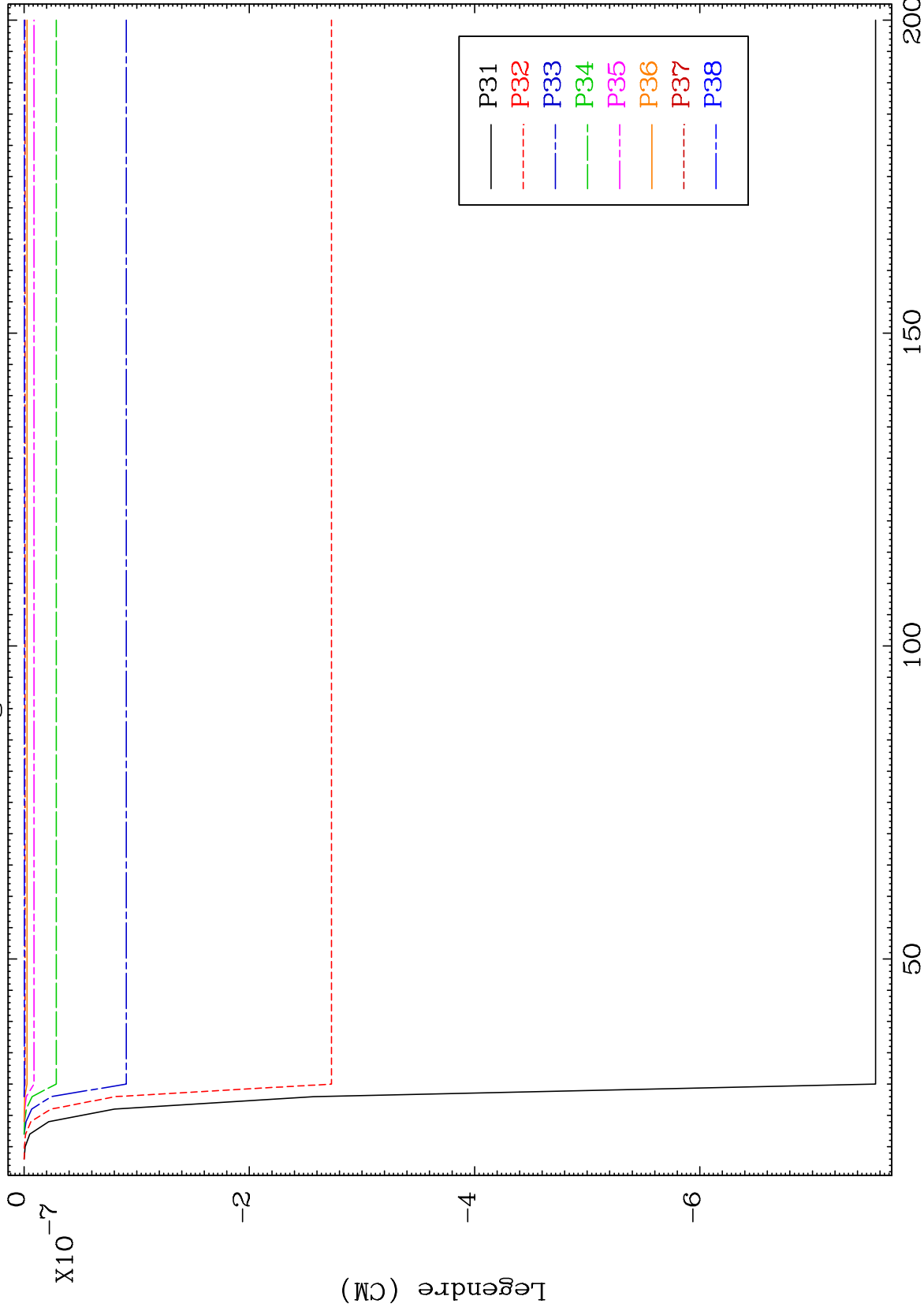
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



83-Bi-194

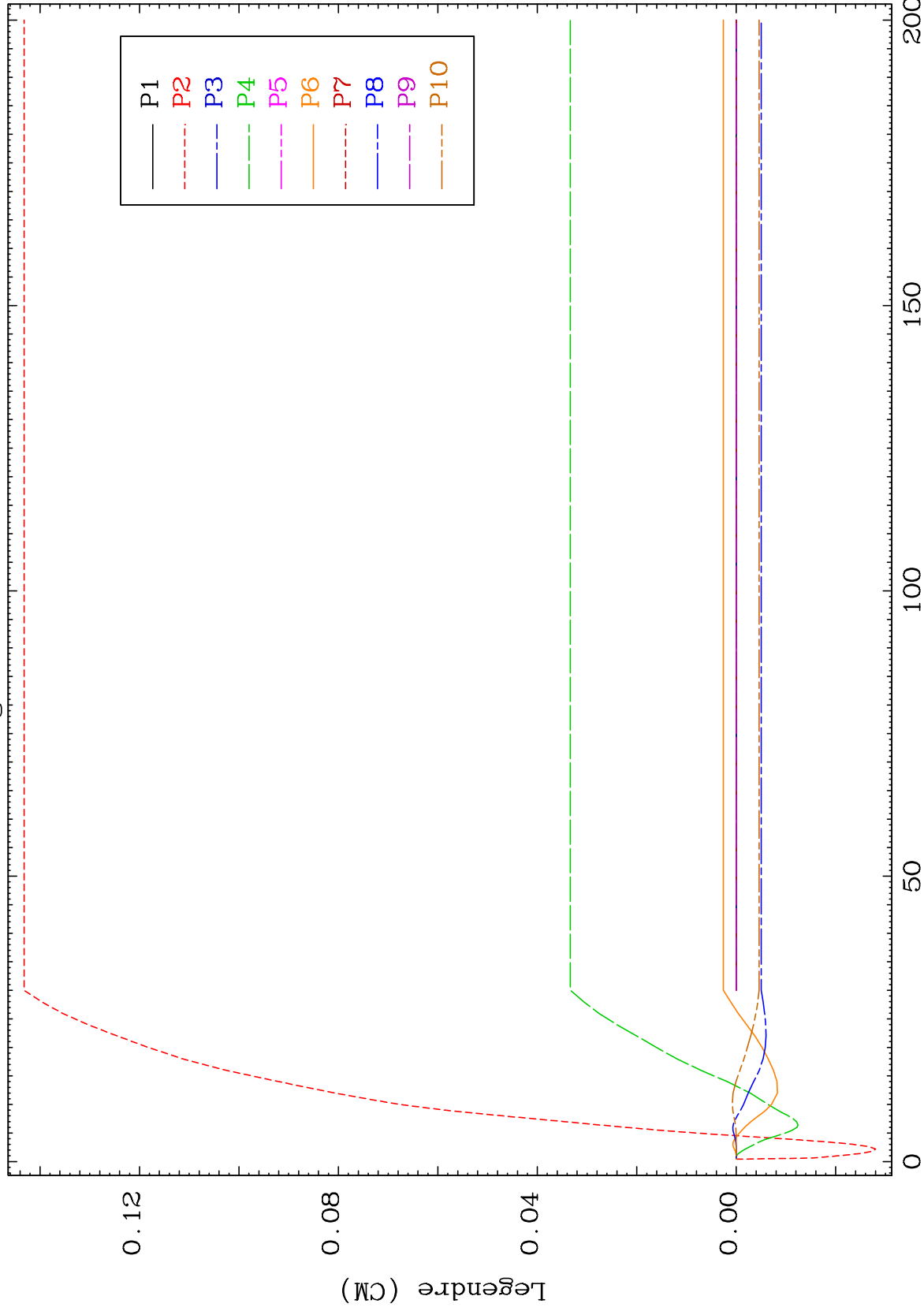
Incident Energy (MeV)

38

MAT 8280

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

83-Bi-194



39

Incident Energy (MeV)

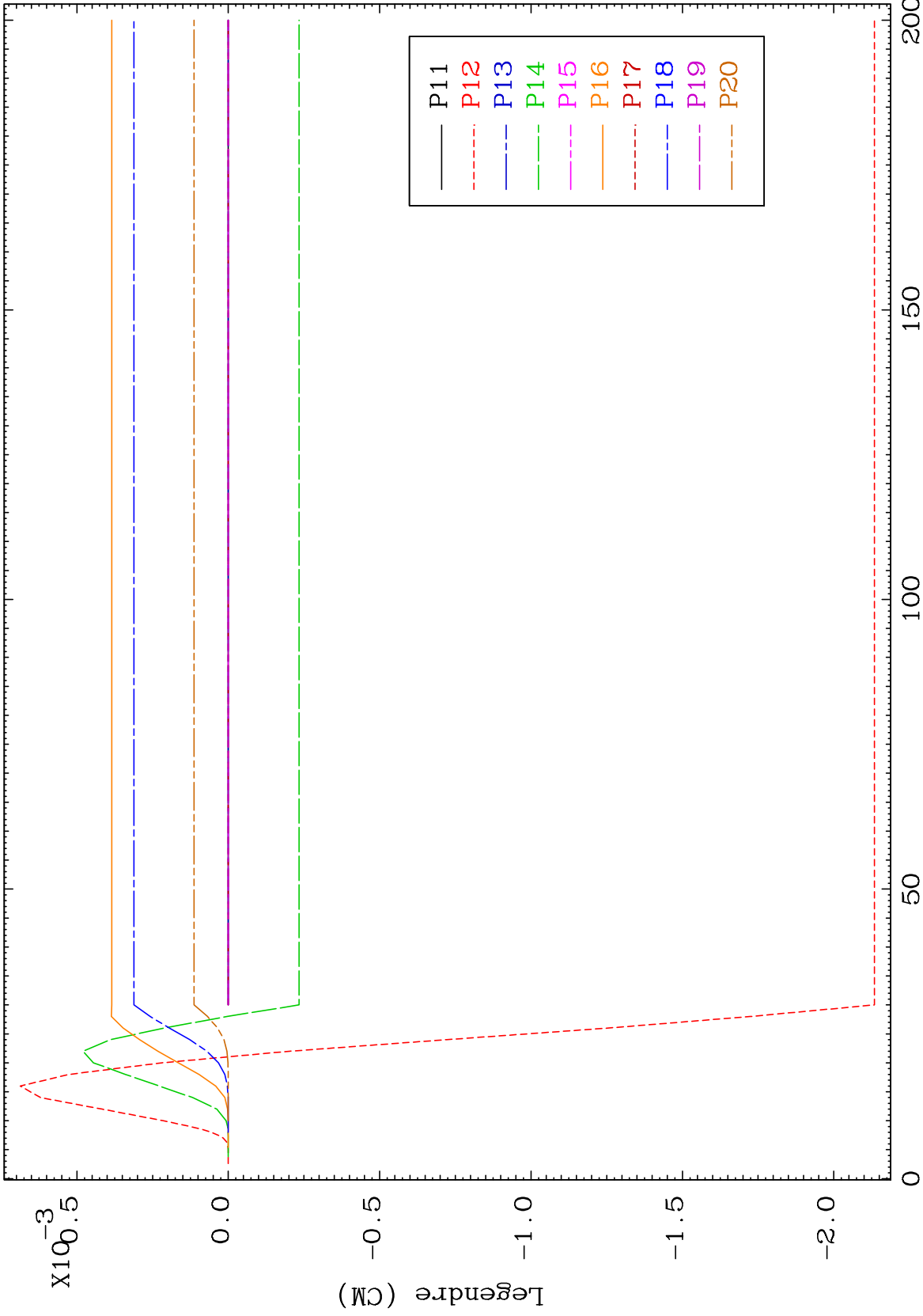
83-Bi-194



MAT 8280

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

83-Bi-194



40

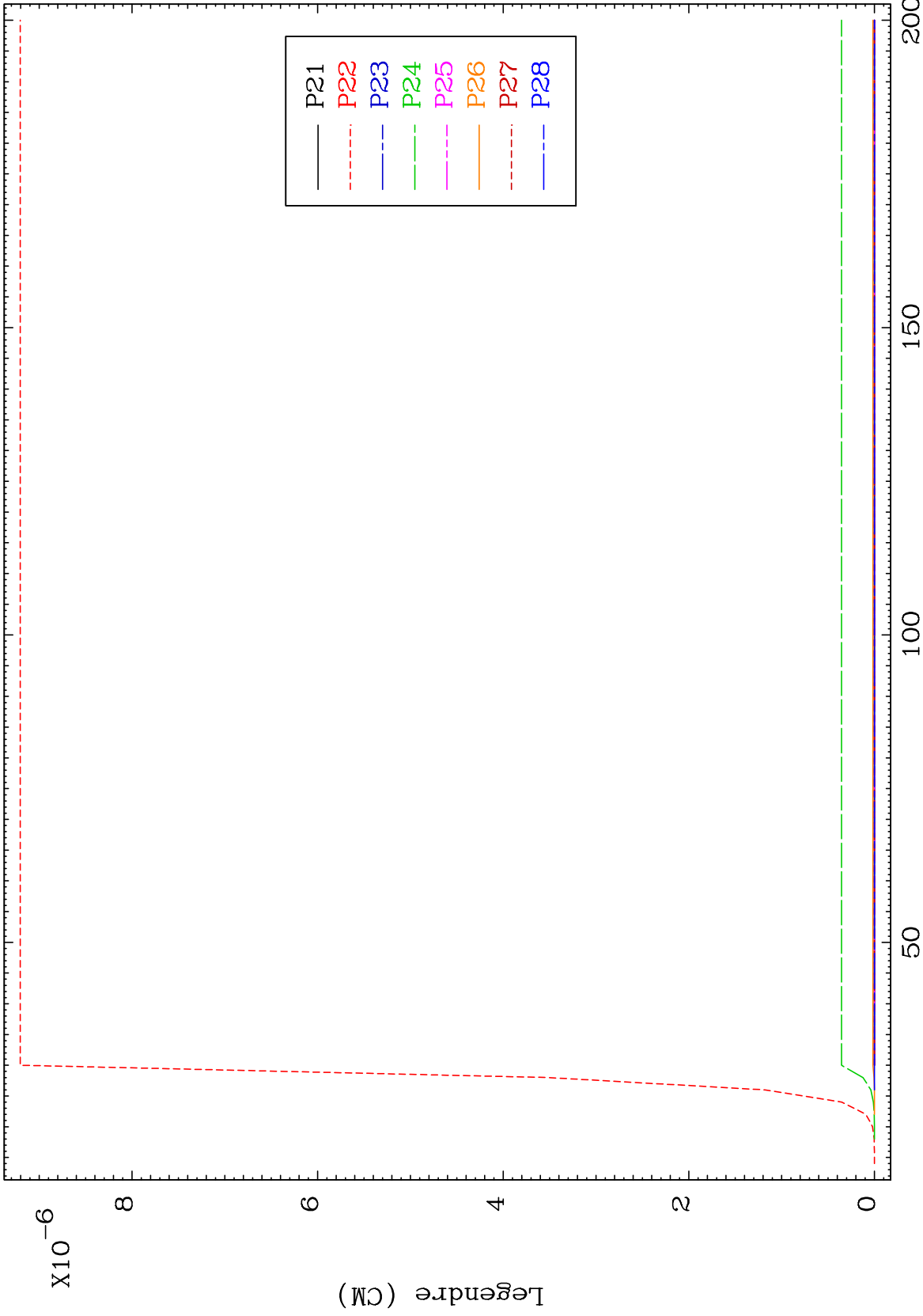
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



41

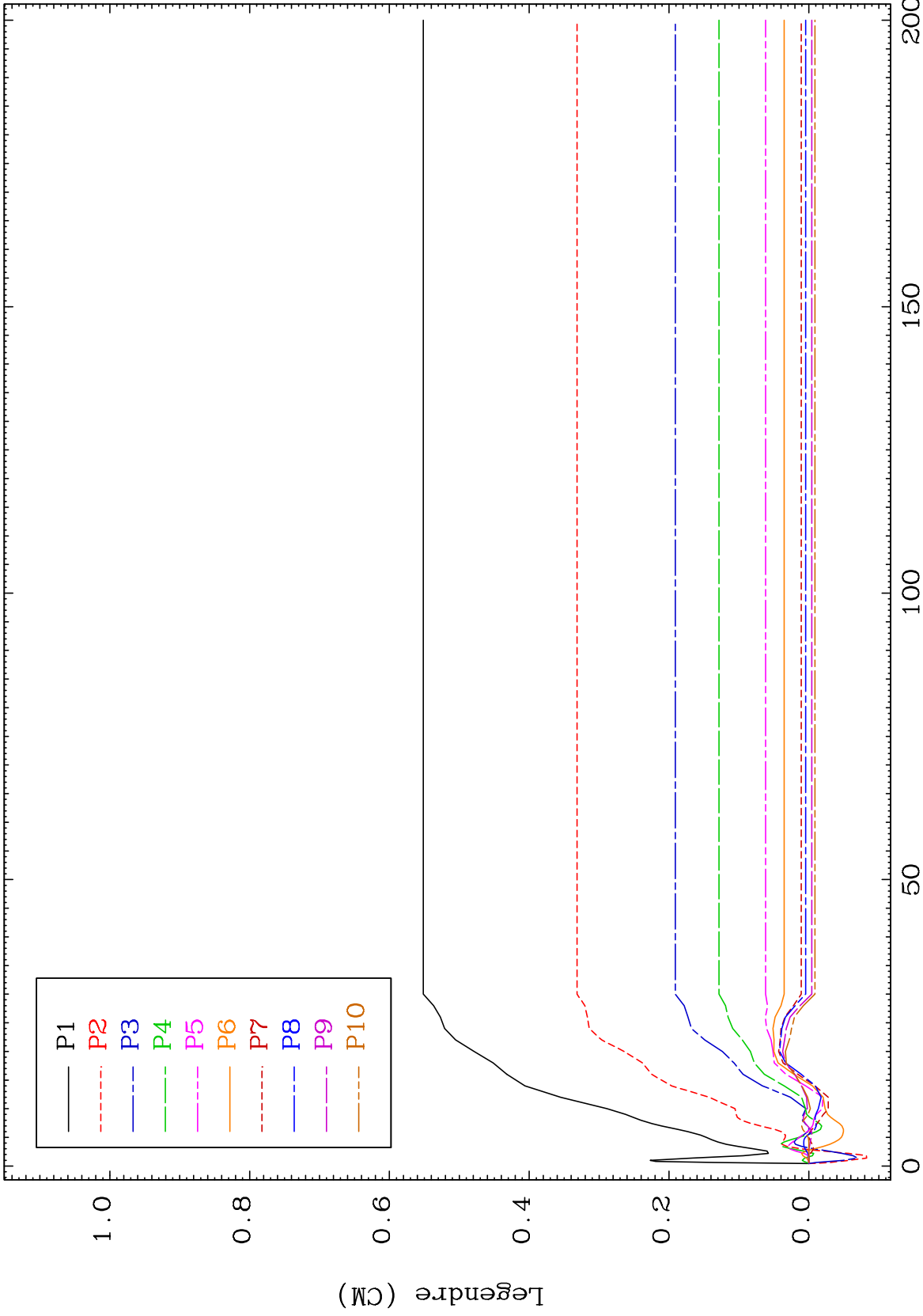
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



42

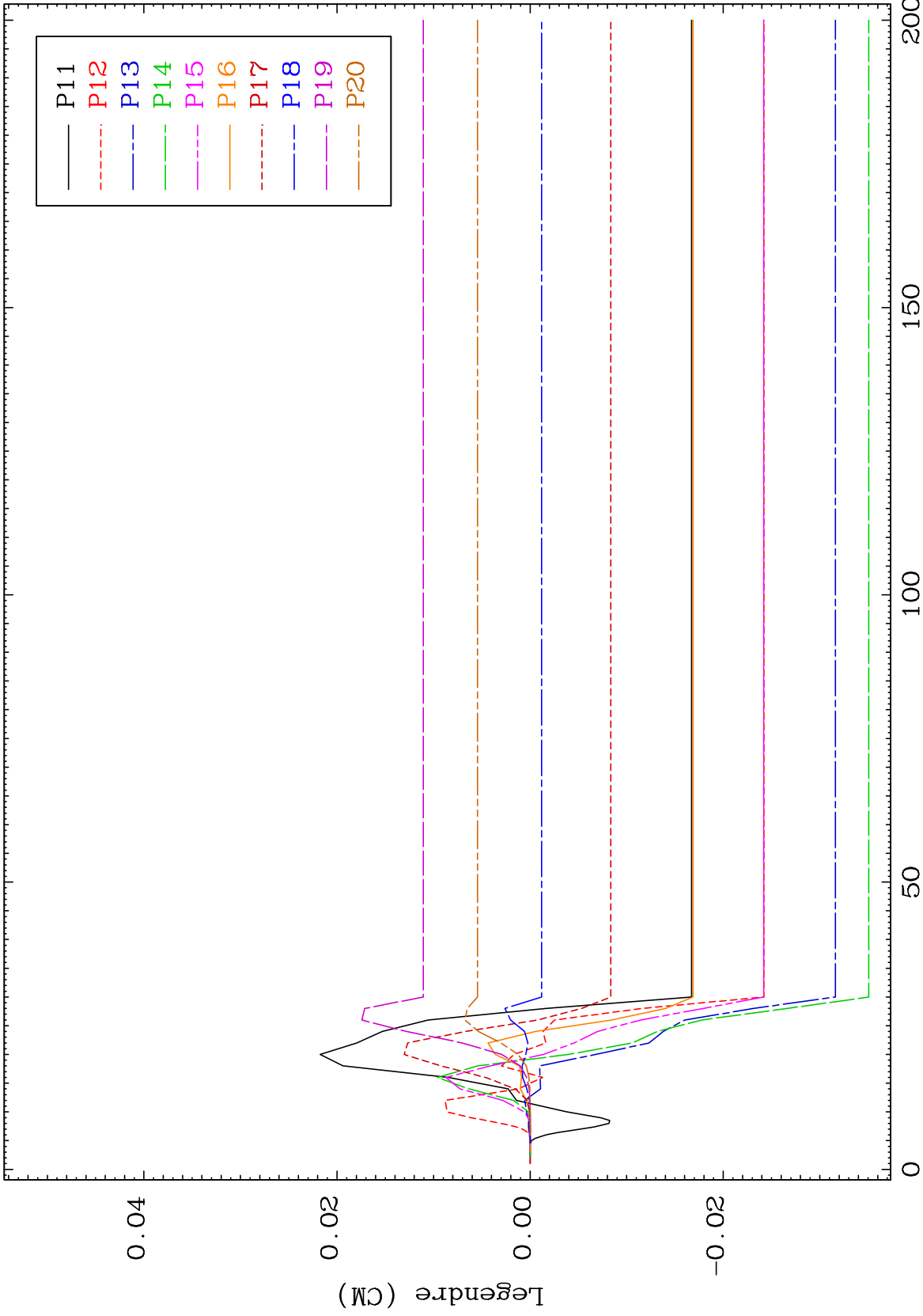
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



43

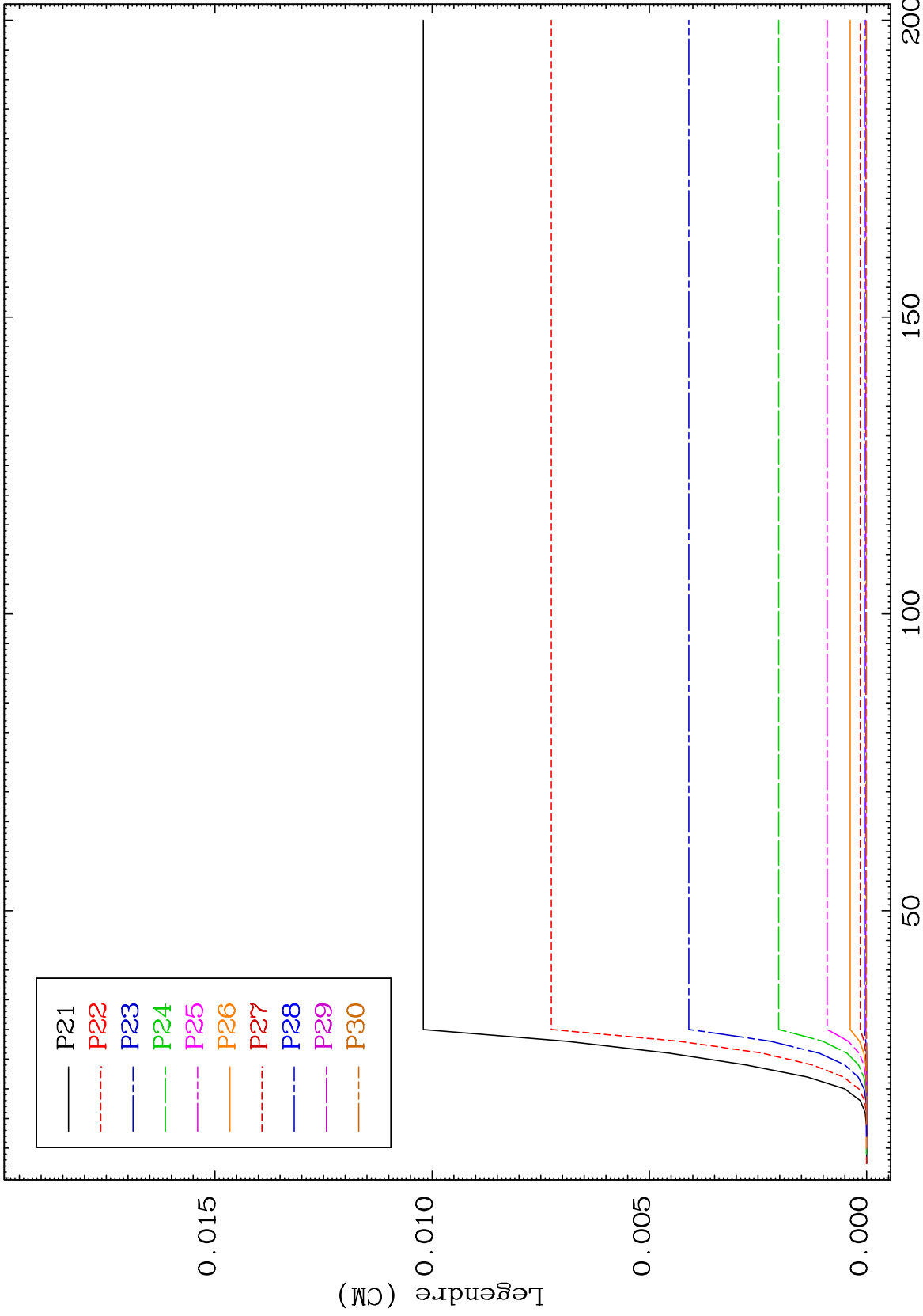
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



44

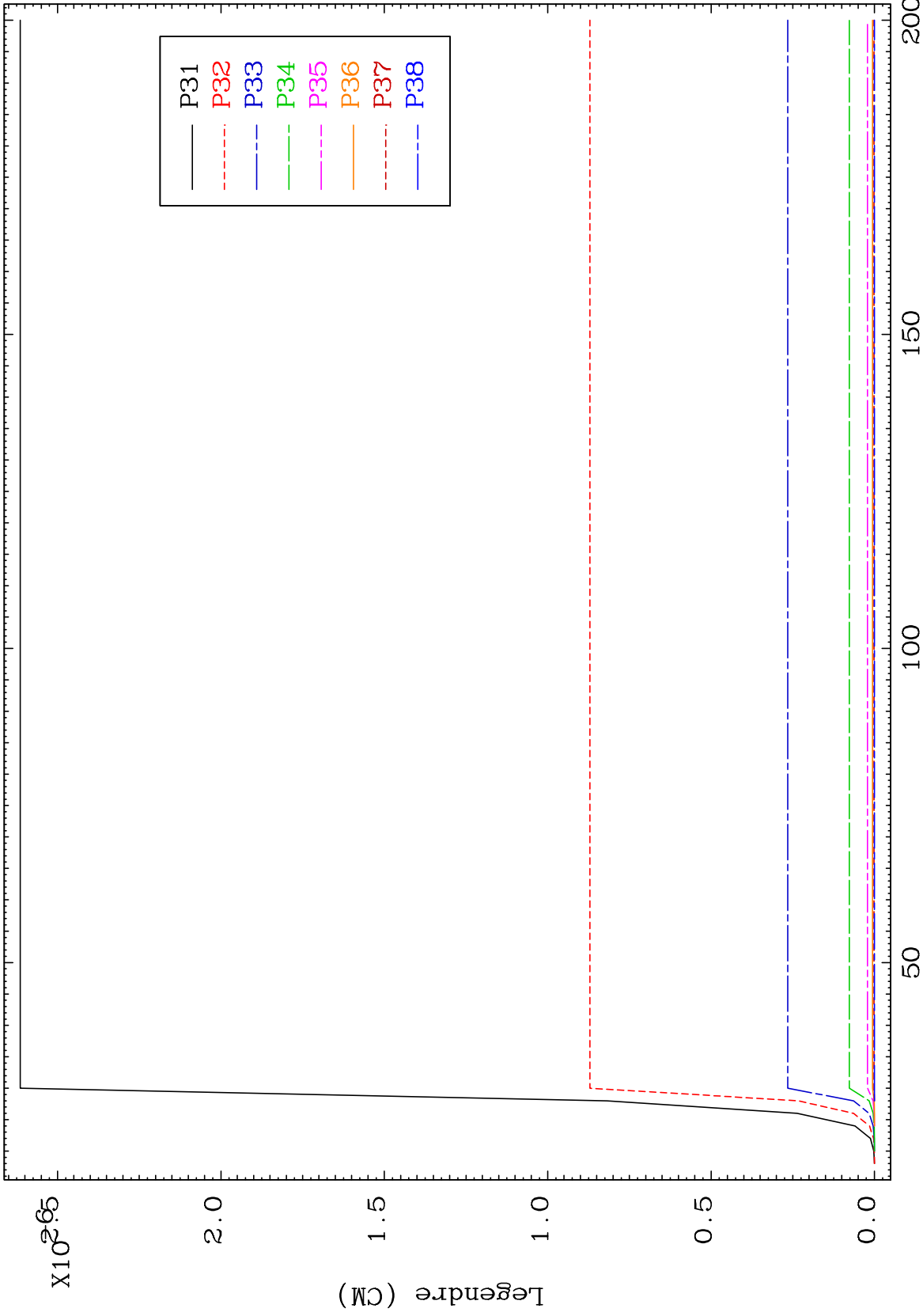
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



45

Incident Energy (MeV)

50

100

150

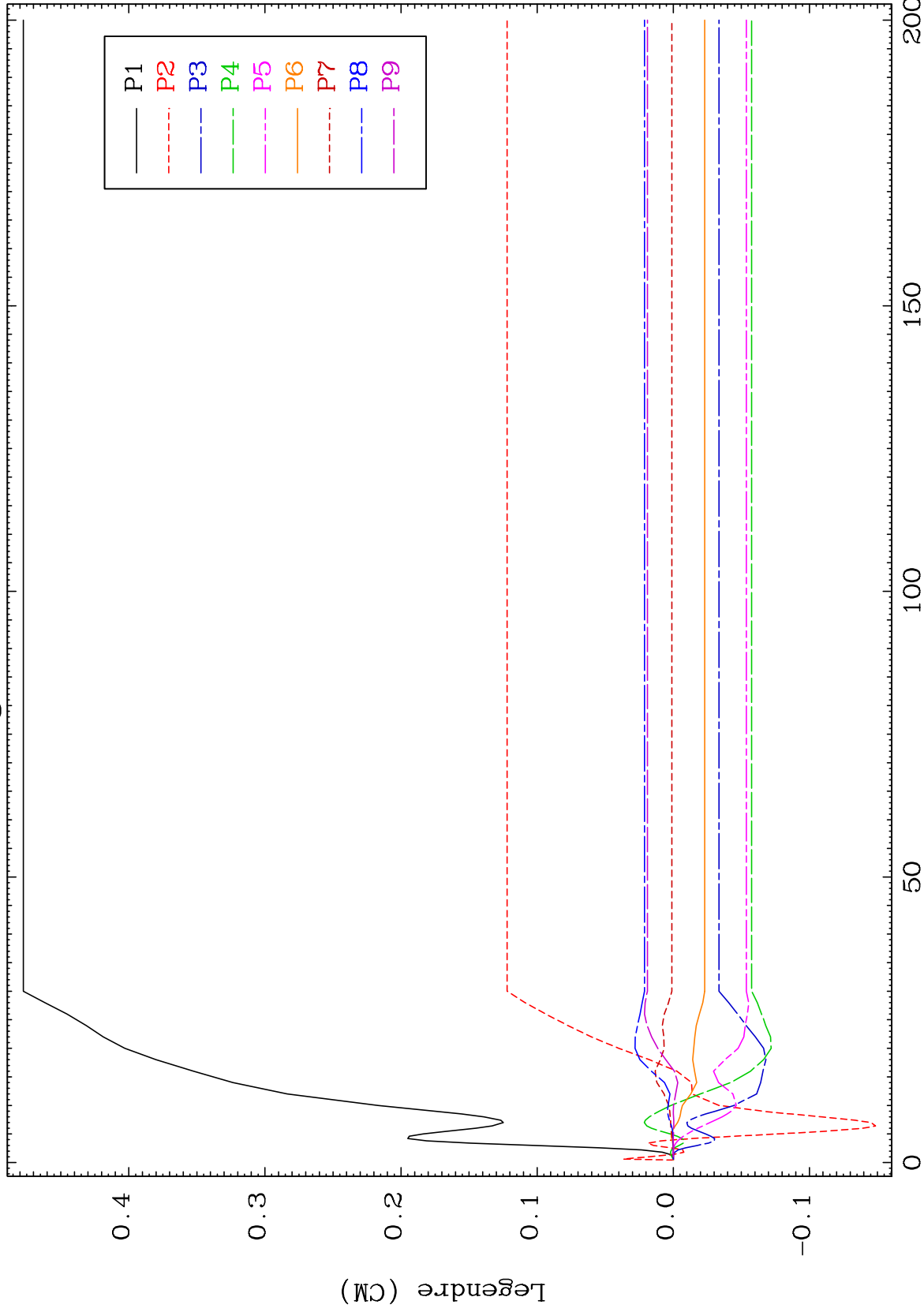
200

83-Bi-194

MAT 8280

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

83-Bi-194



46

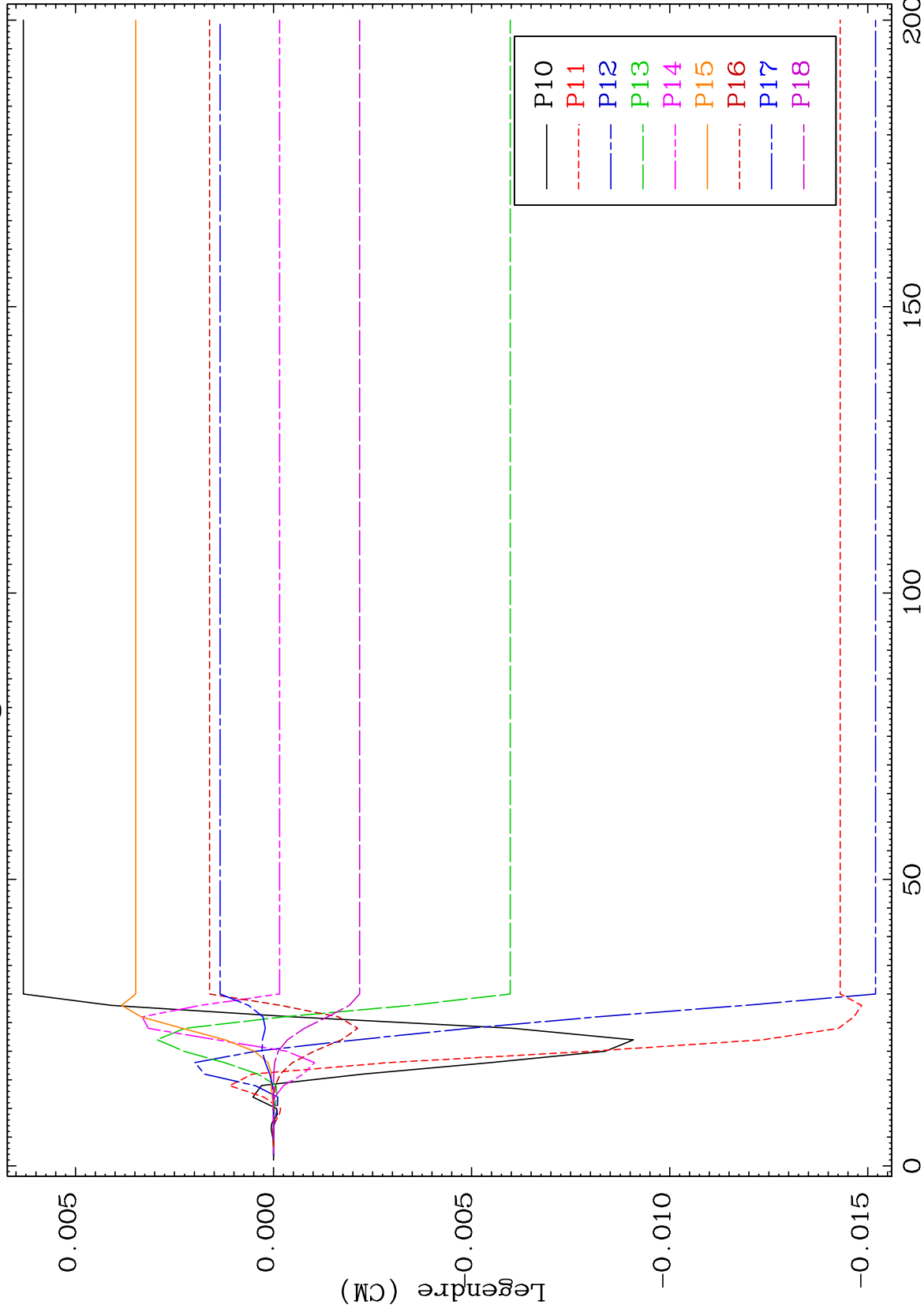
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



47

Incident Energy (MeV)

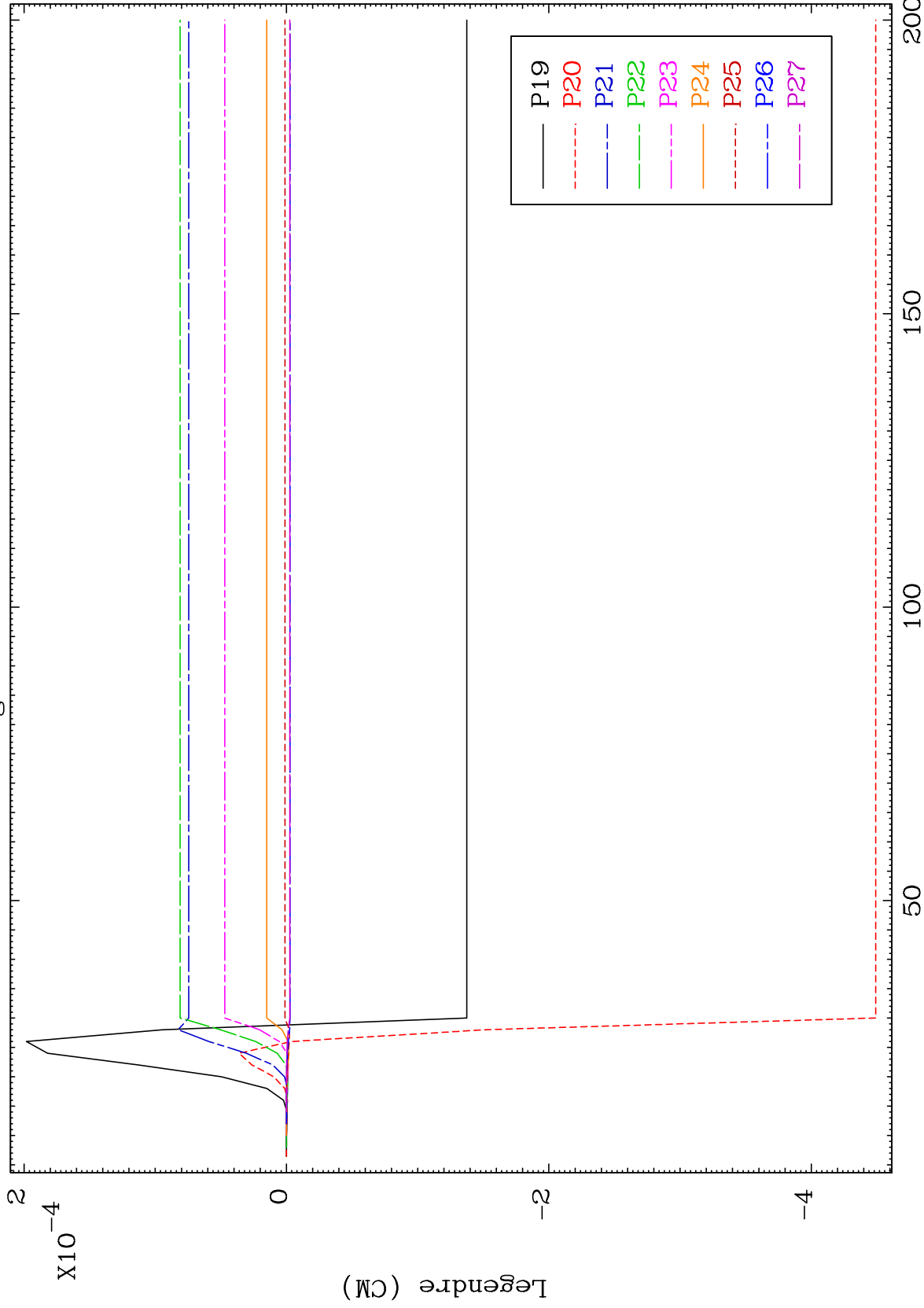
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MAT 8280

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

83-Bi-194



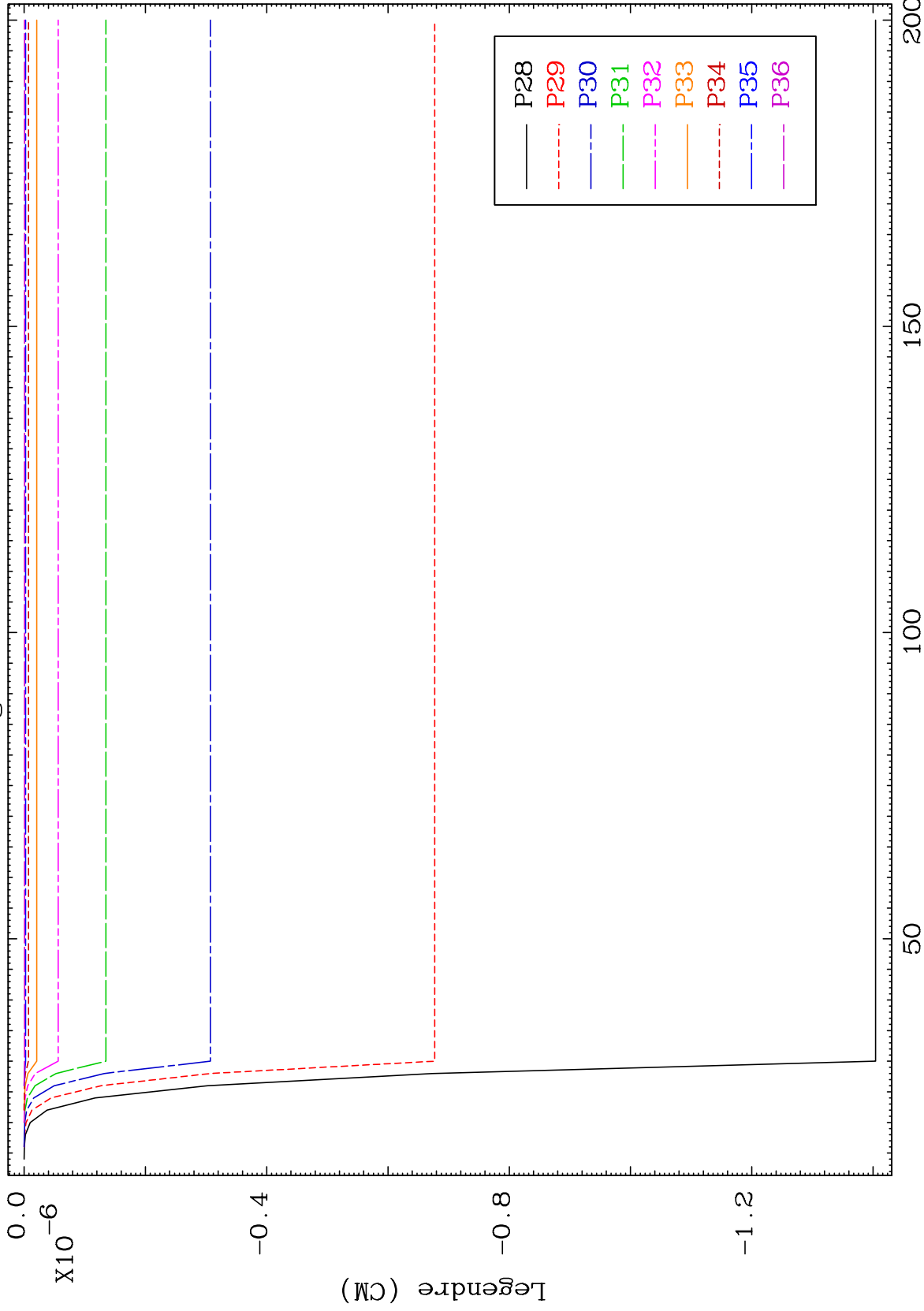
48

83-Bi-194

MAT 8280

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

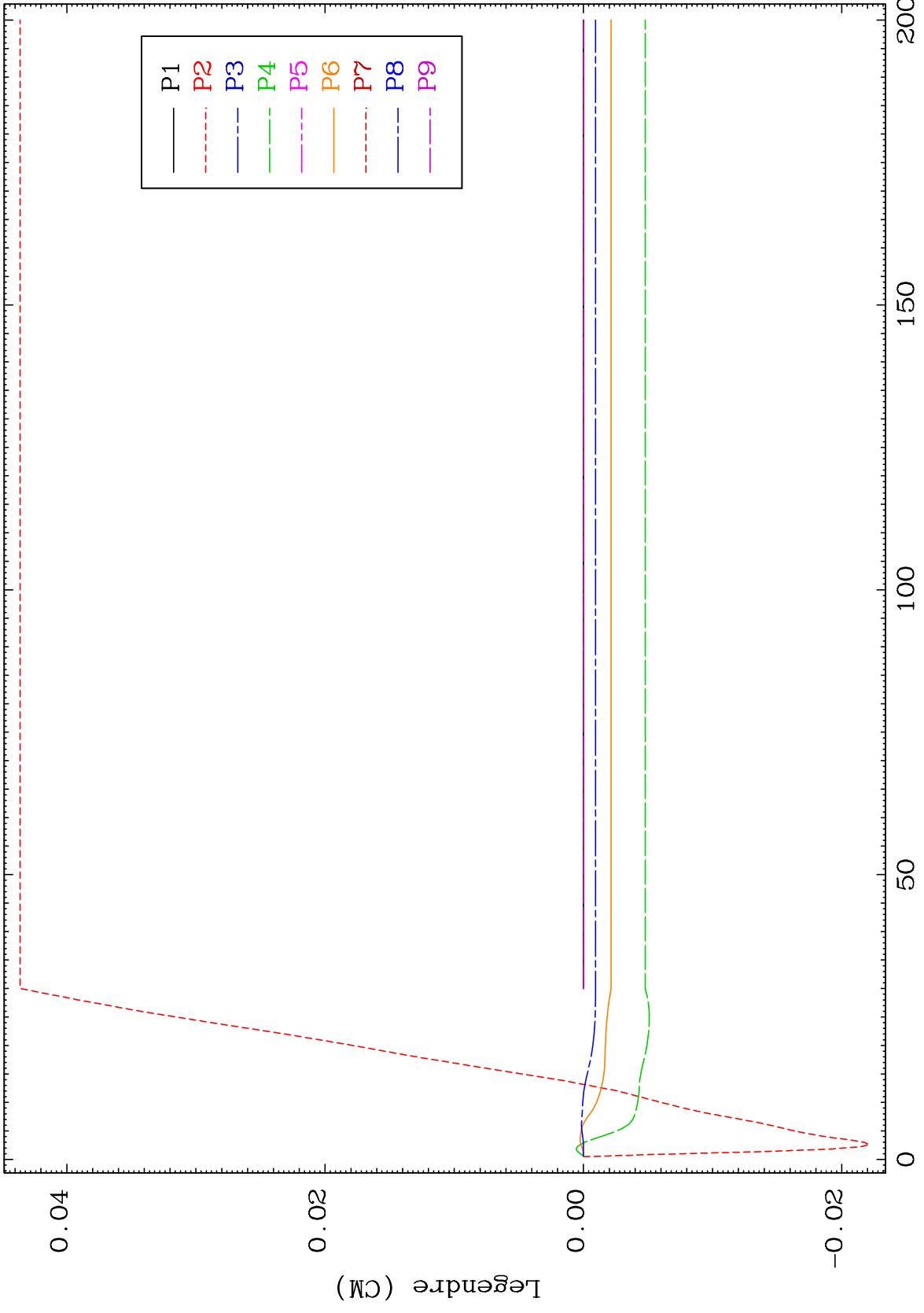
83-Bi-194



49

83-Bi-194

MAT 8280 MT= 60 (n,n') Level Legendre Coefficients 83-Bi-194

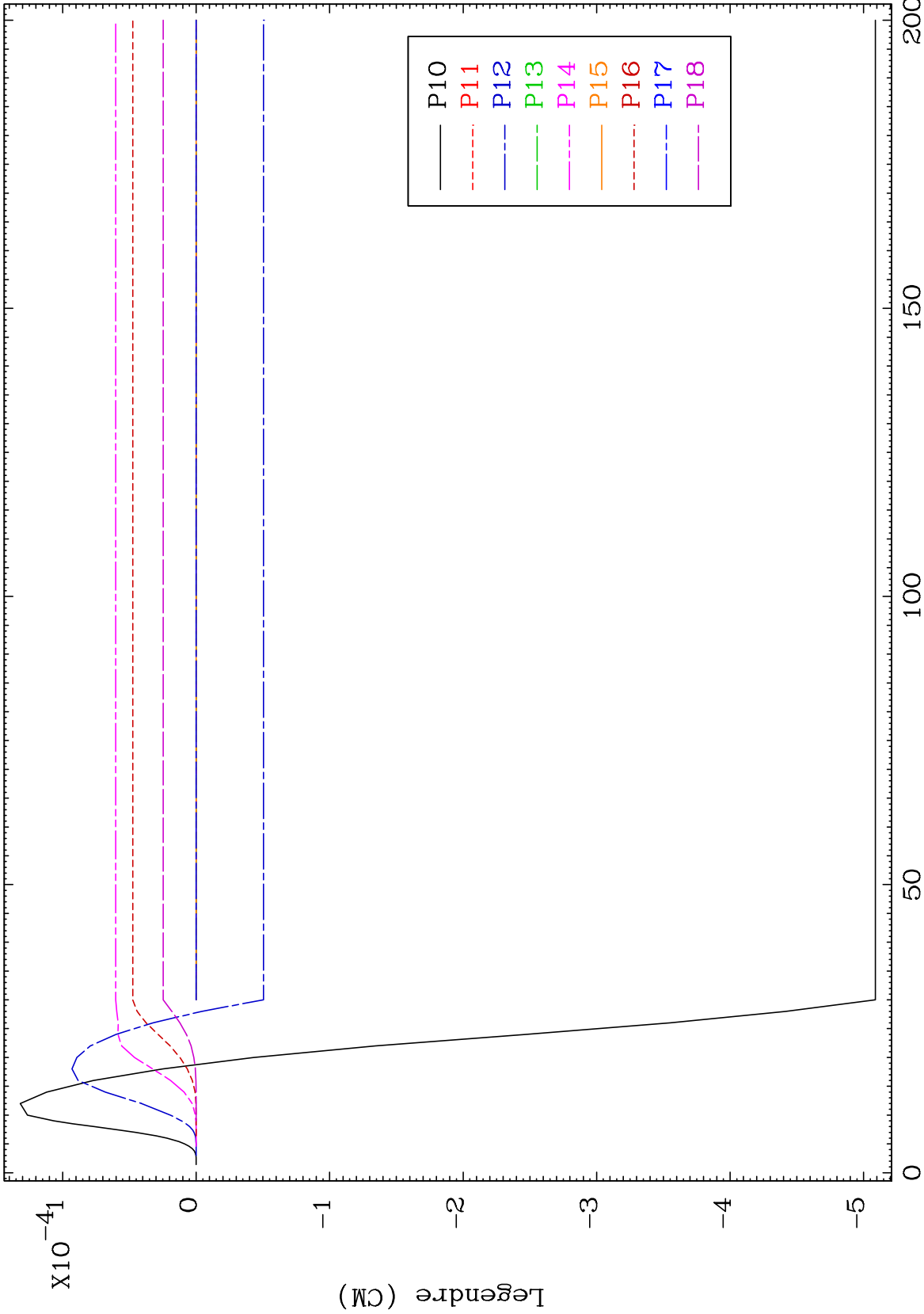


83-Bi-194

MAT 8280

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

83-Bi-194



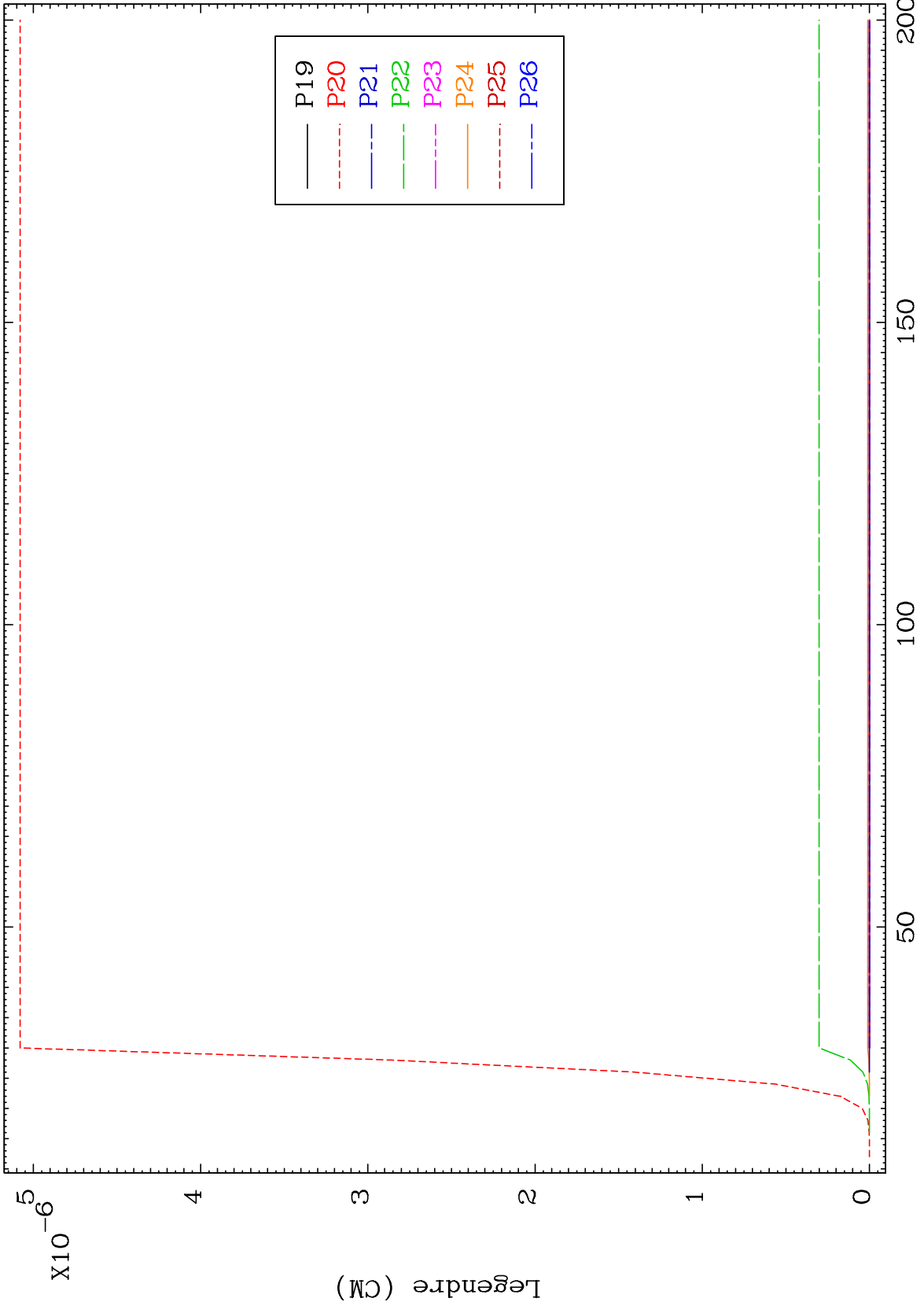
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83-Bi-194

MAT 8280

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

83-Bi-194

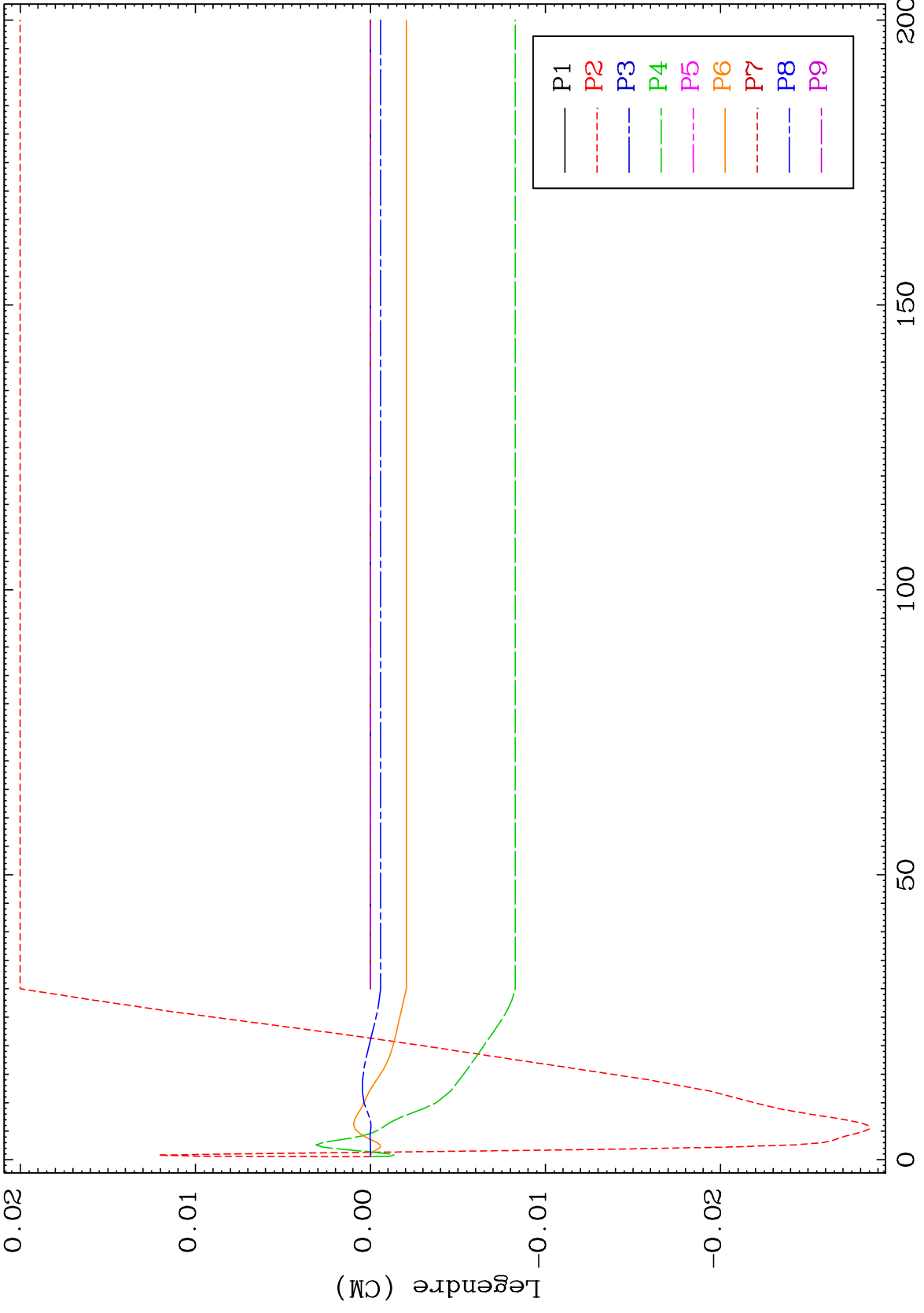


83-Bi-194

Incident Energy (MeV)

52

MAT 8280 MT= 61 (n,n') Level Legendre Coefficients 83-Bi-194

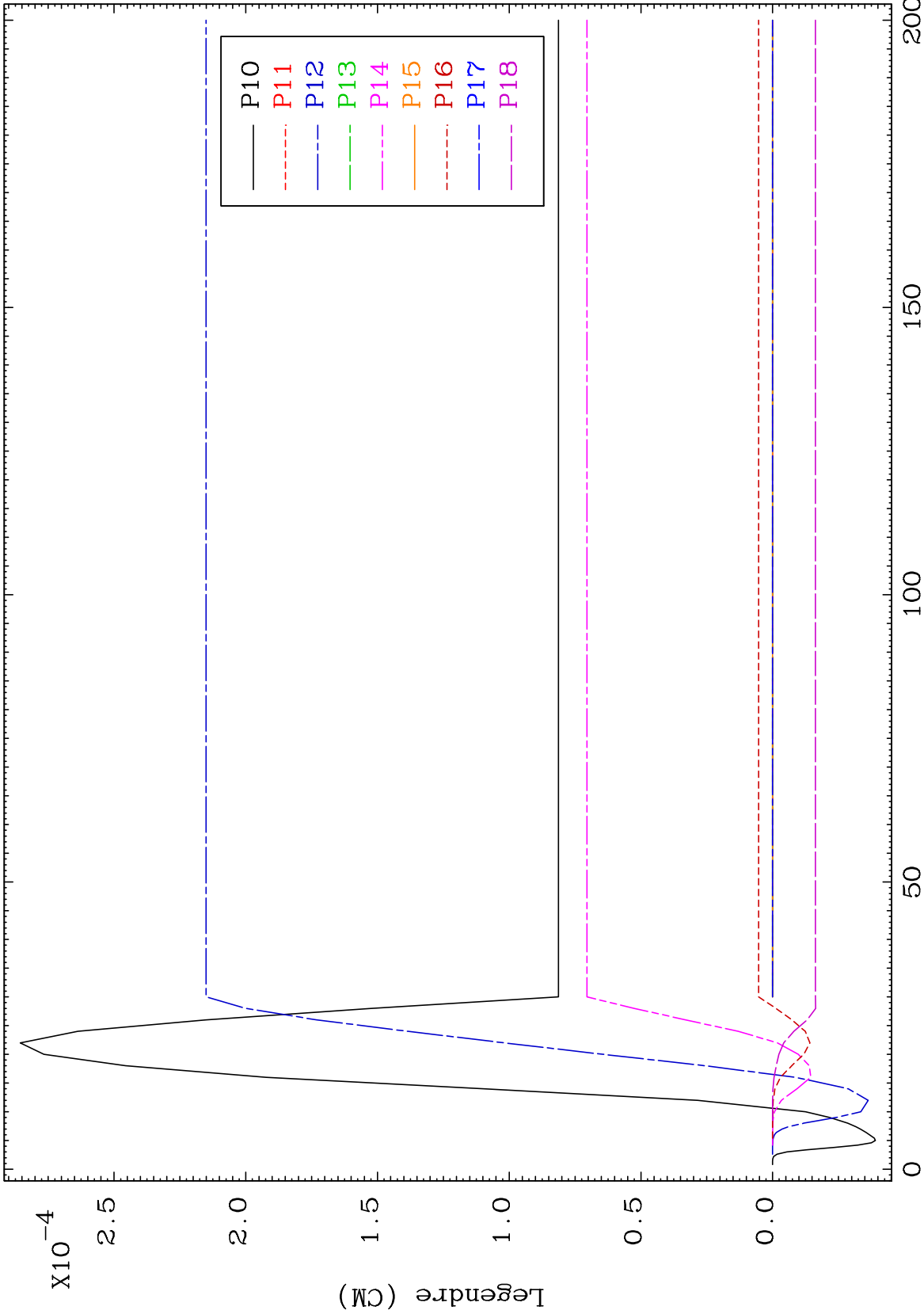


53 83-Bi-194

MAT 8280

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

83-Bi-194



54

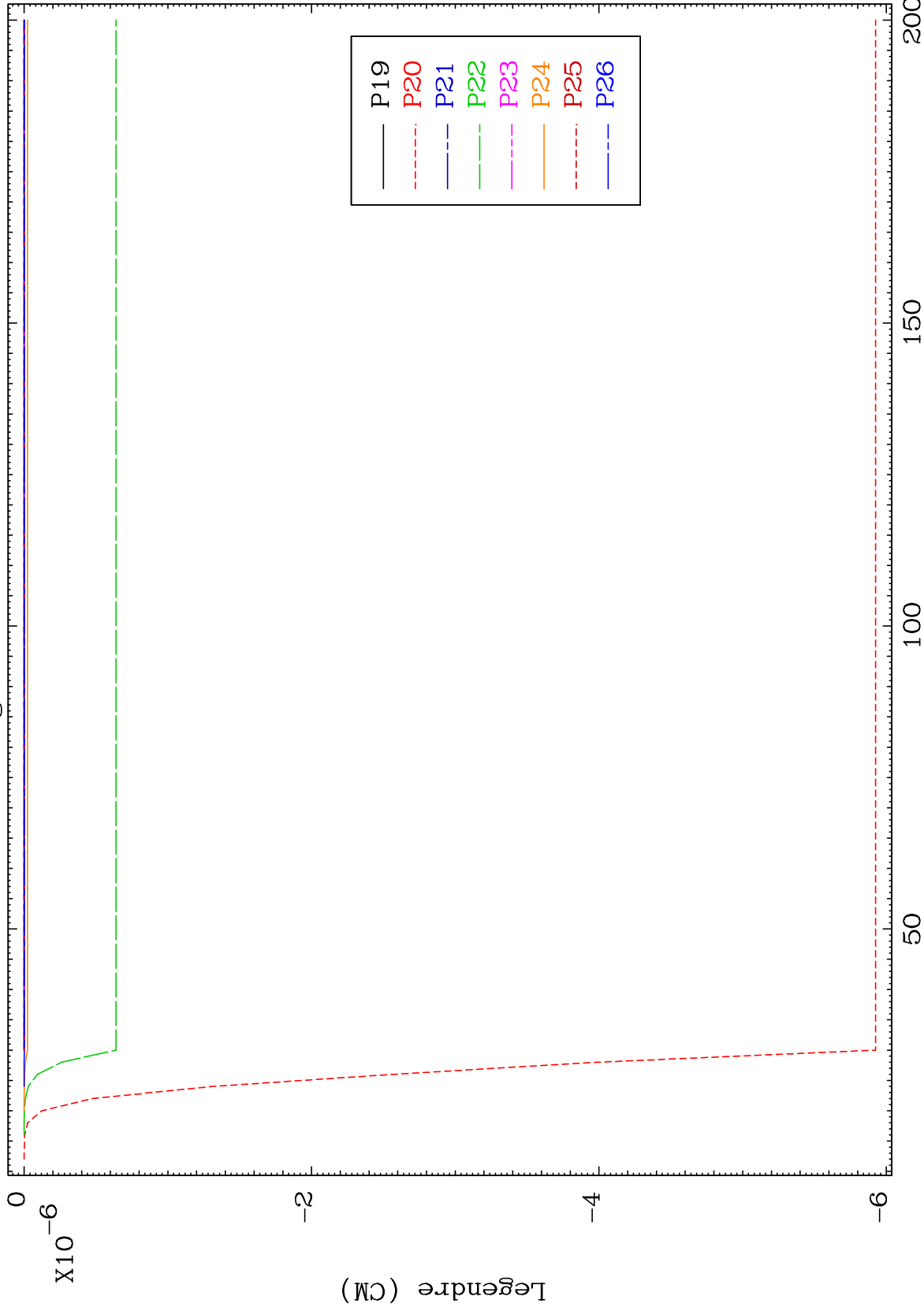
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



83-Bi-194

Incident Energy (MeV)

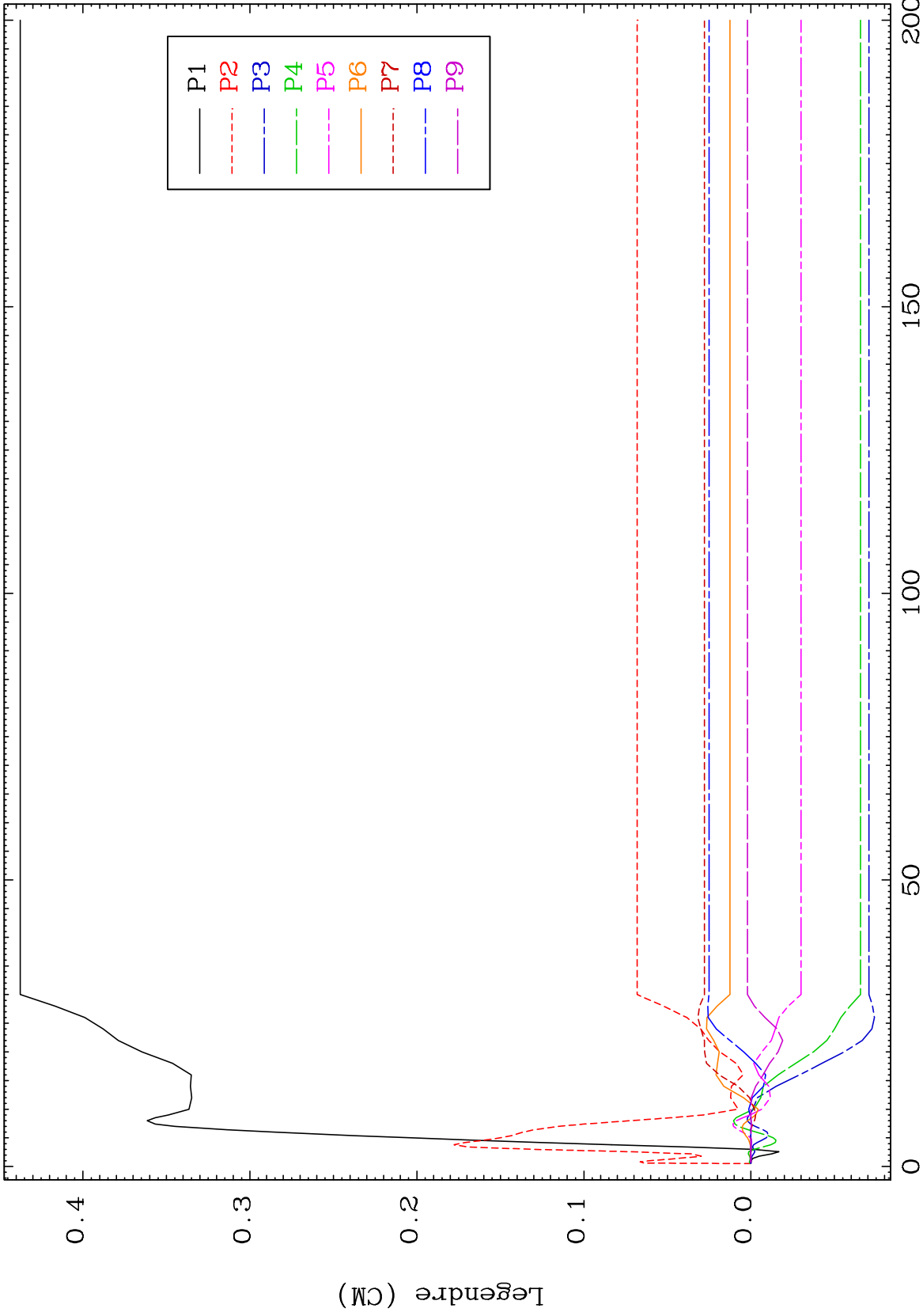
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MAT 8280

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

83-Bi-194



56

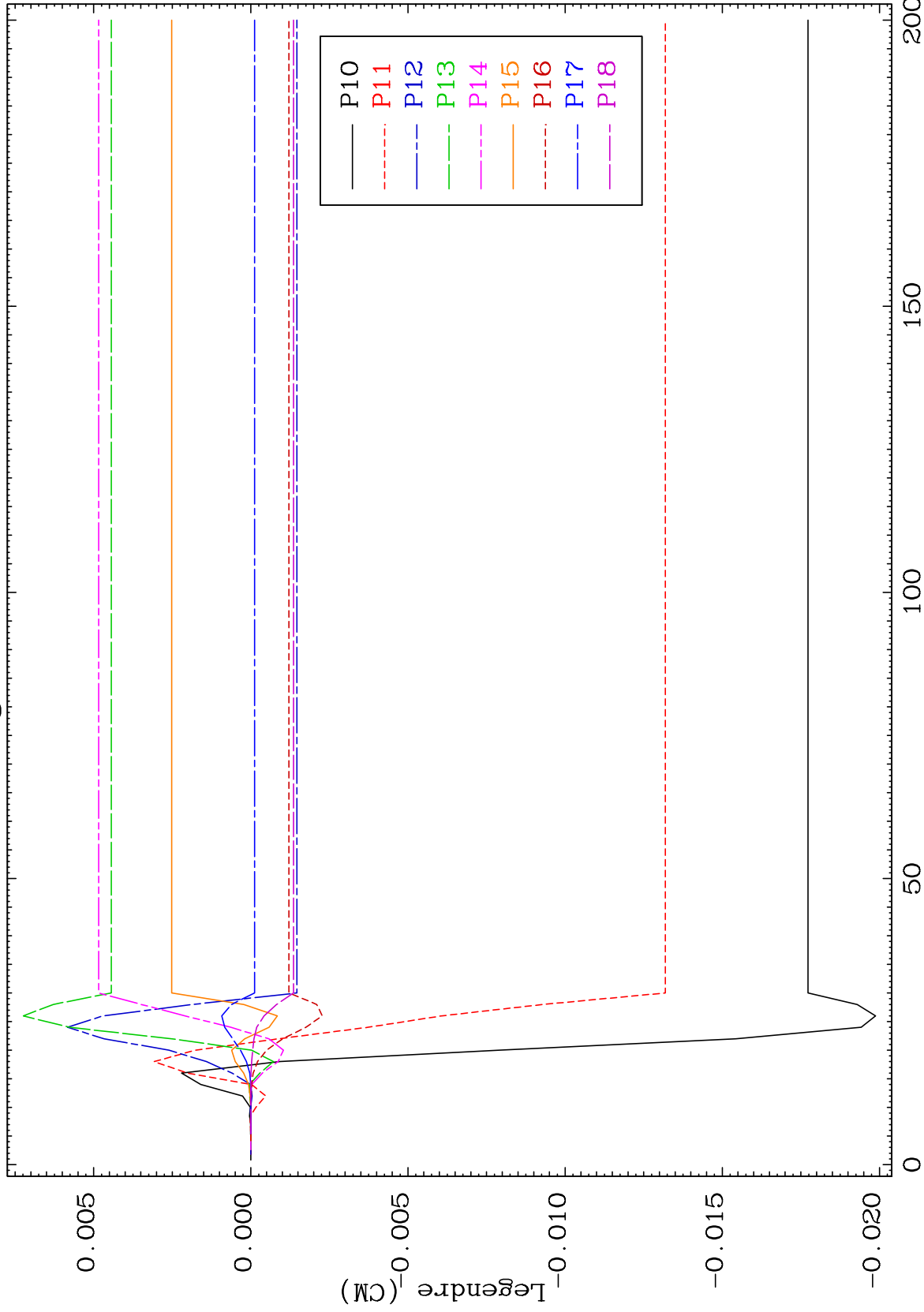
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



57

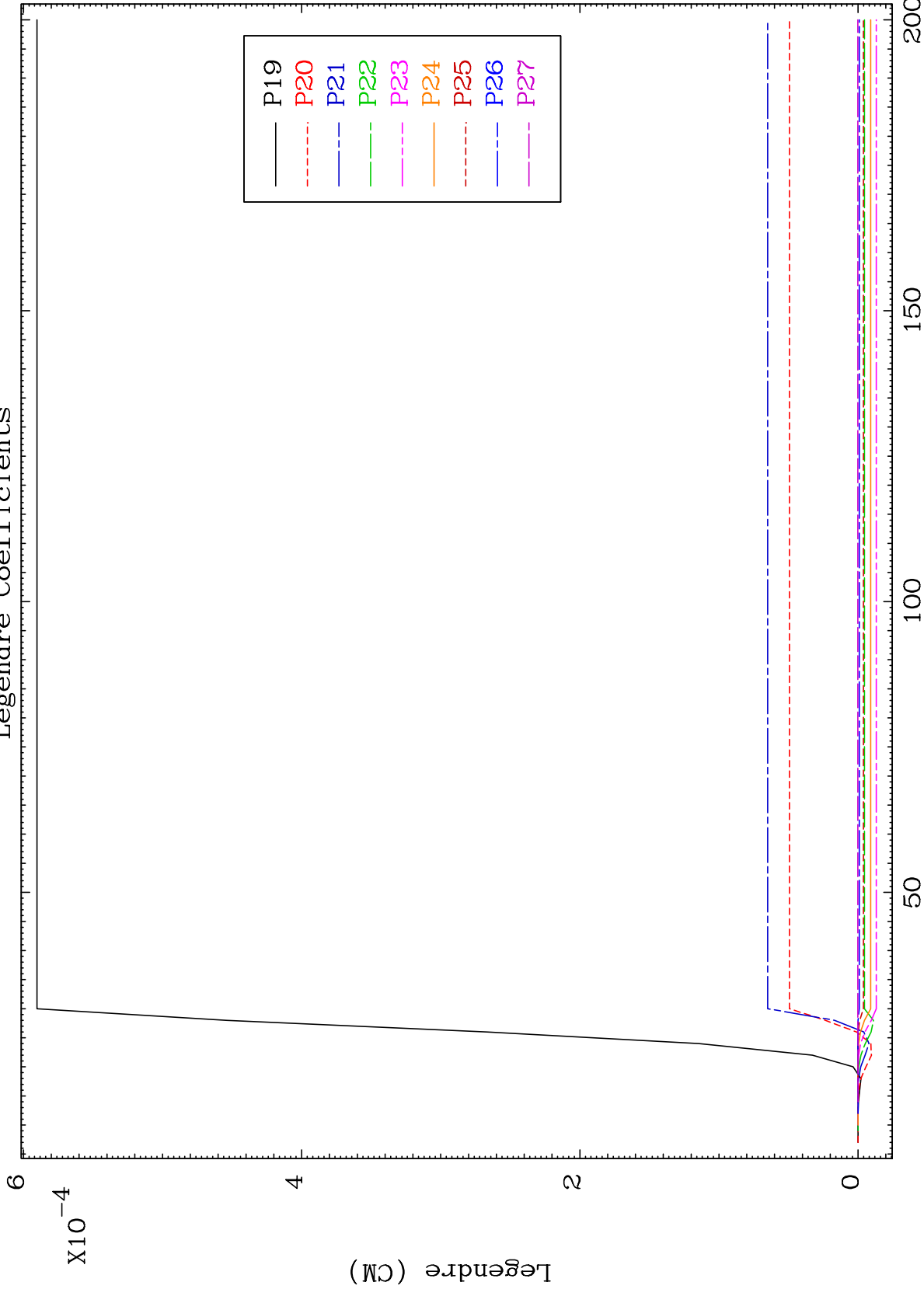
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



58

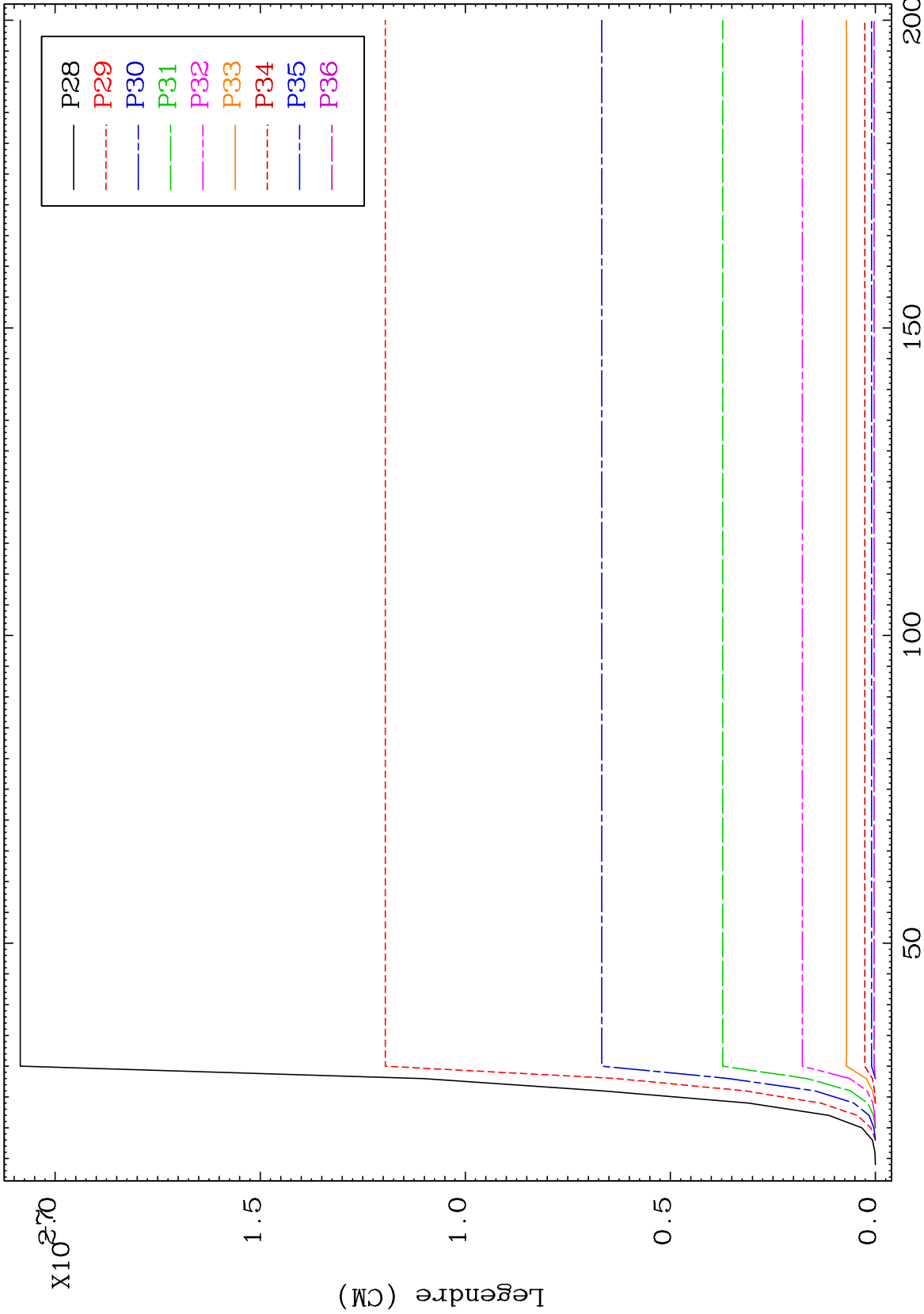
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



59

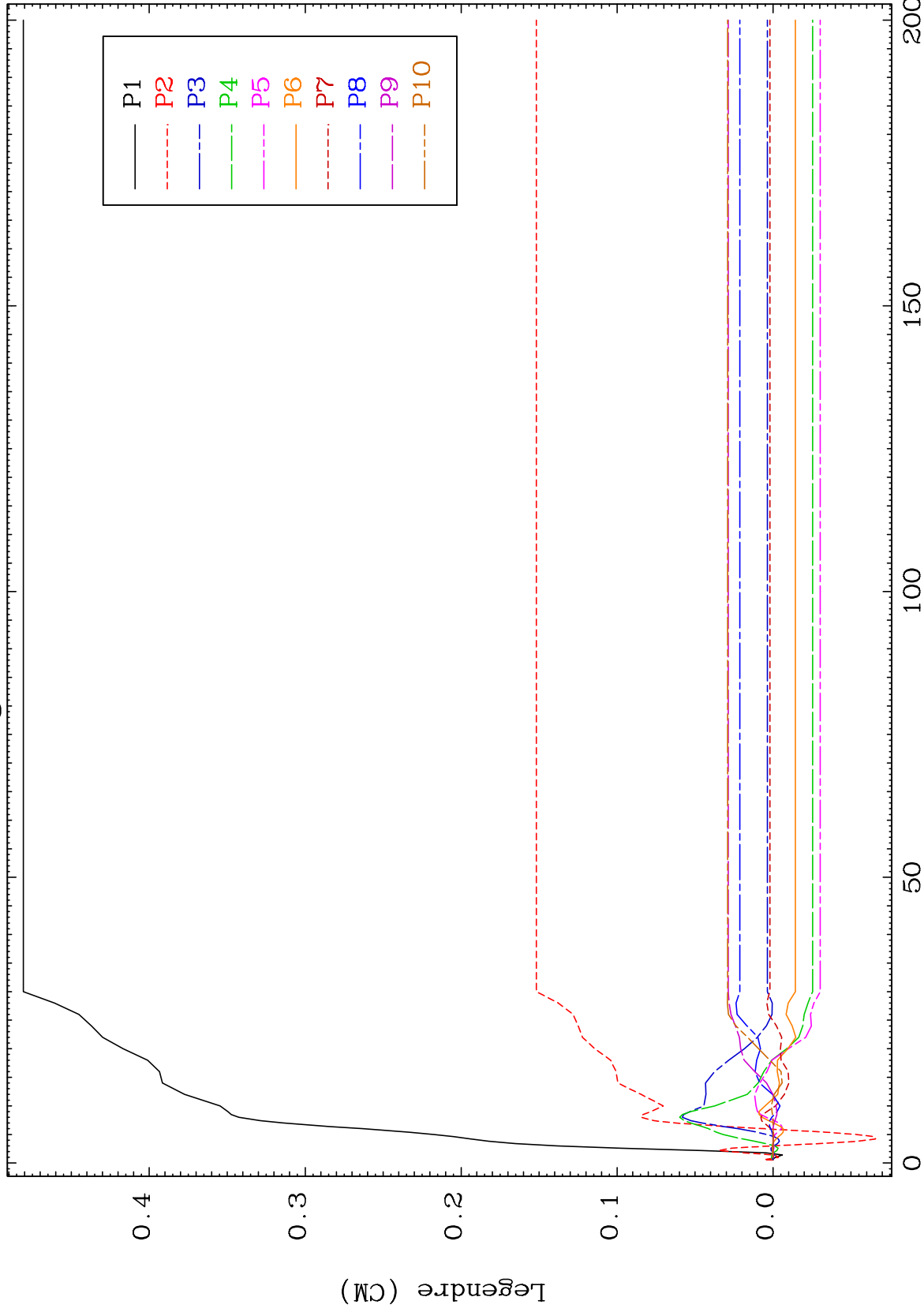
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



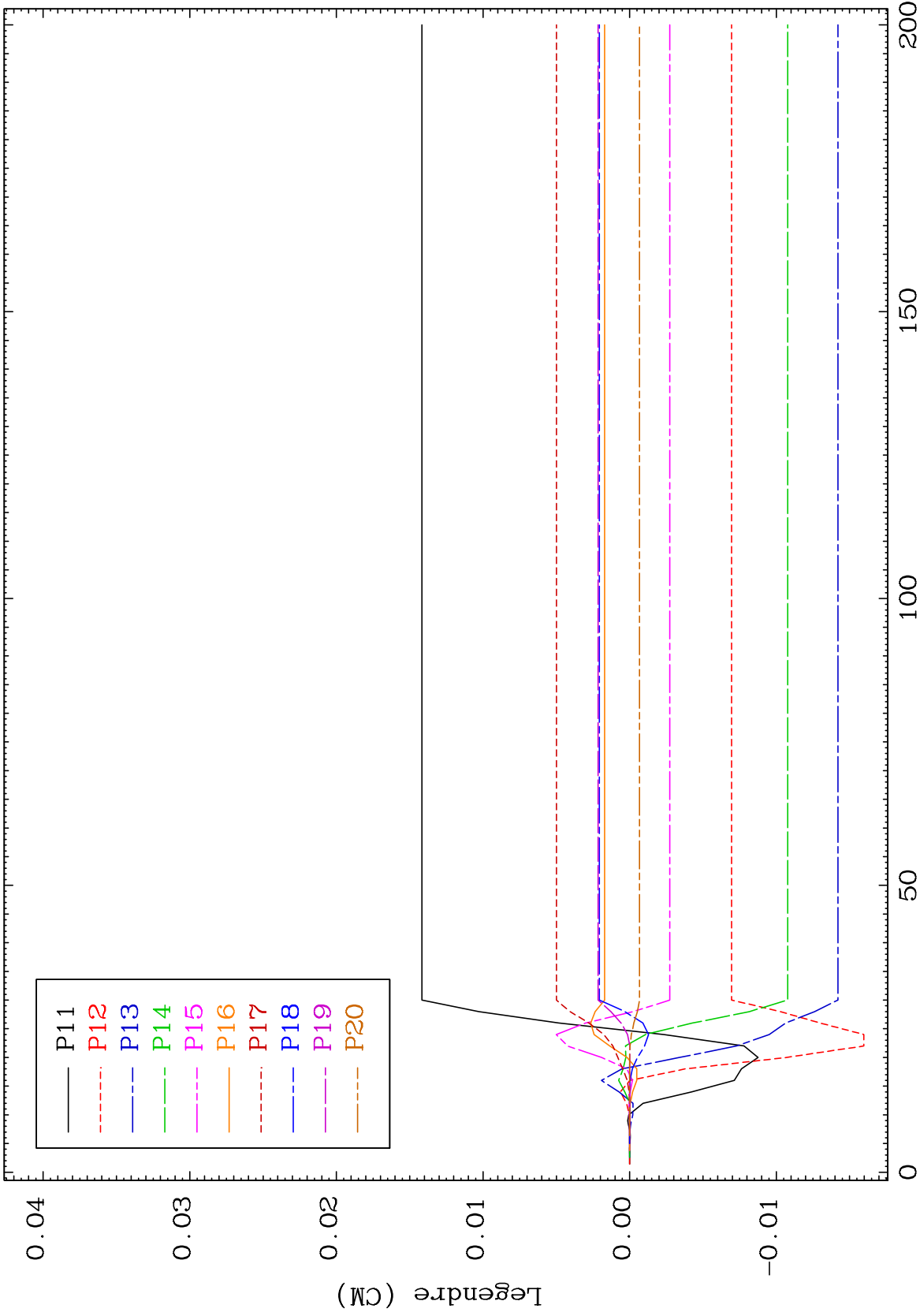
83-Bi-194

Incident Energy (MeV)

MAT 8280

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

83-Bi-194



61

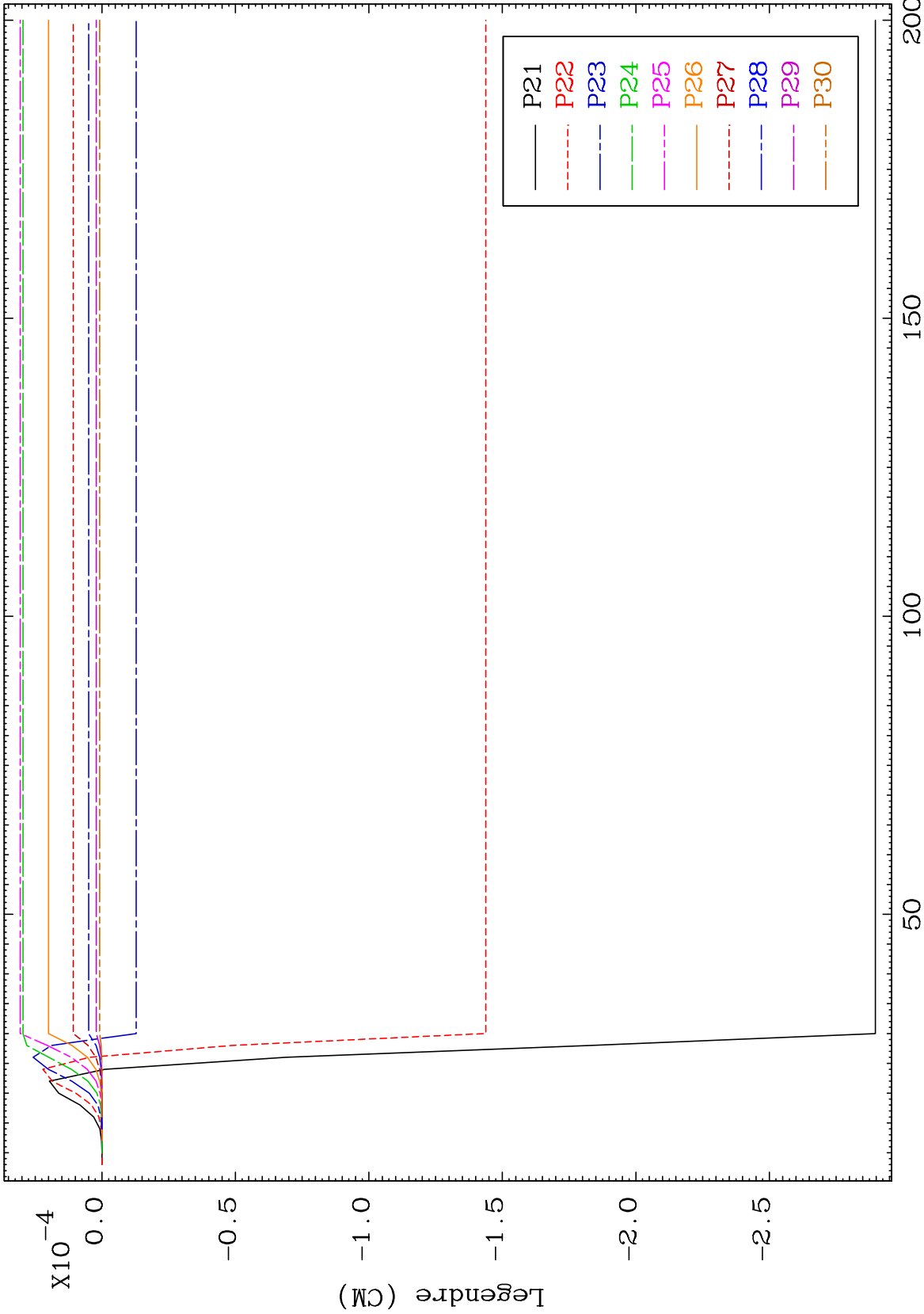
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



62

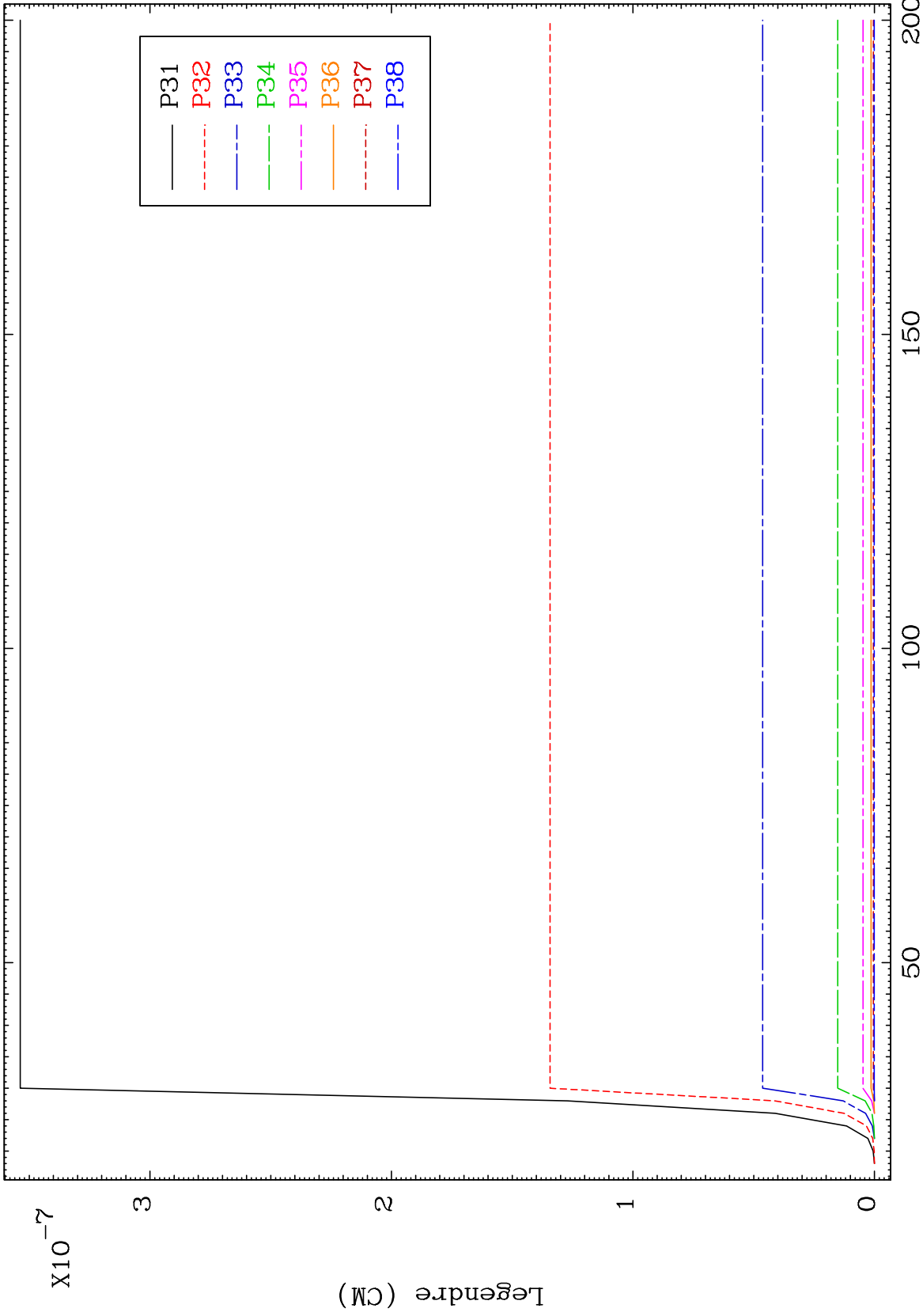
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194

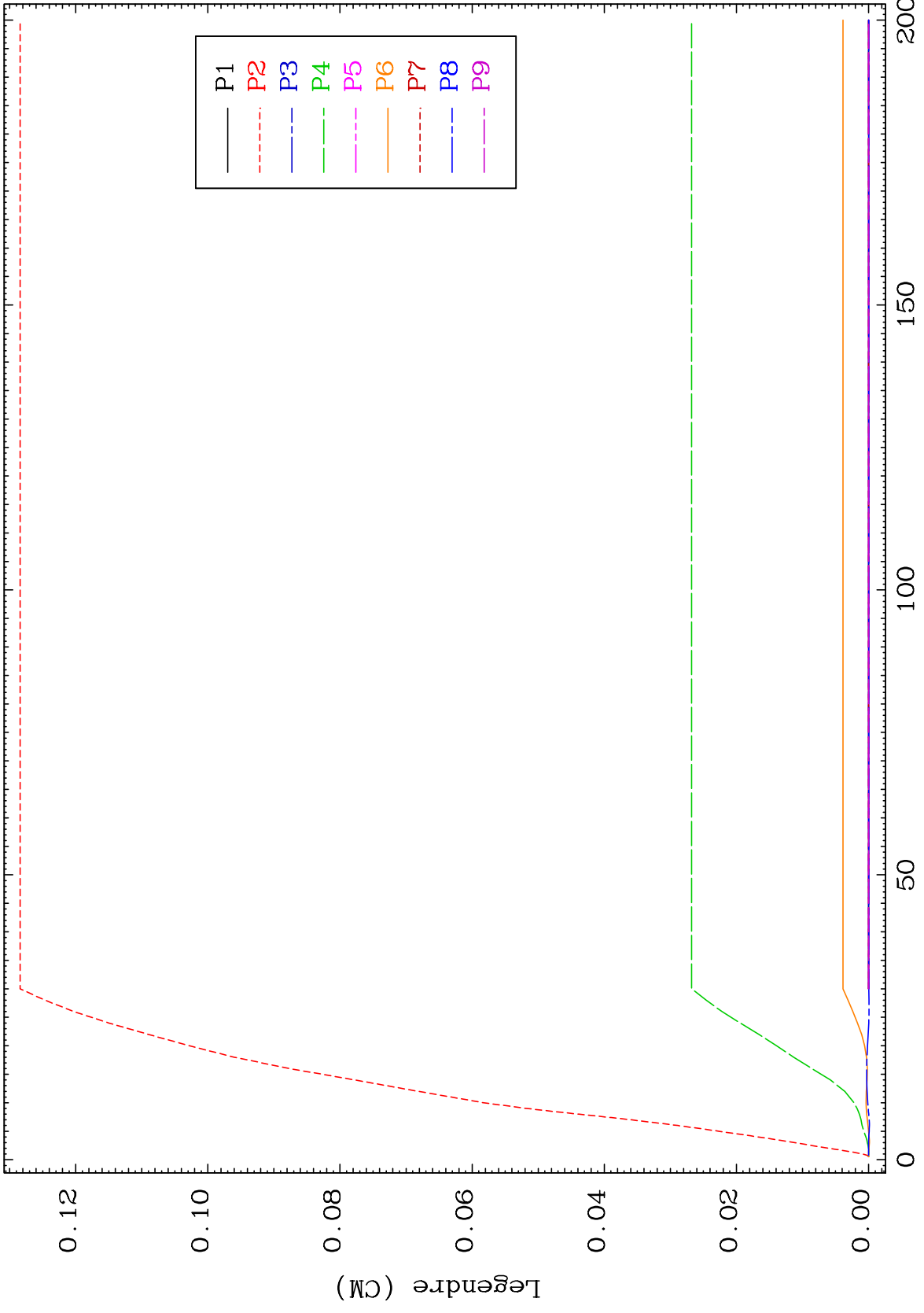


63

83-Bi-194



MAT 8280 MT= 64 (n,n') Level Legendre Coefficients 83-Bi-194

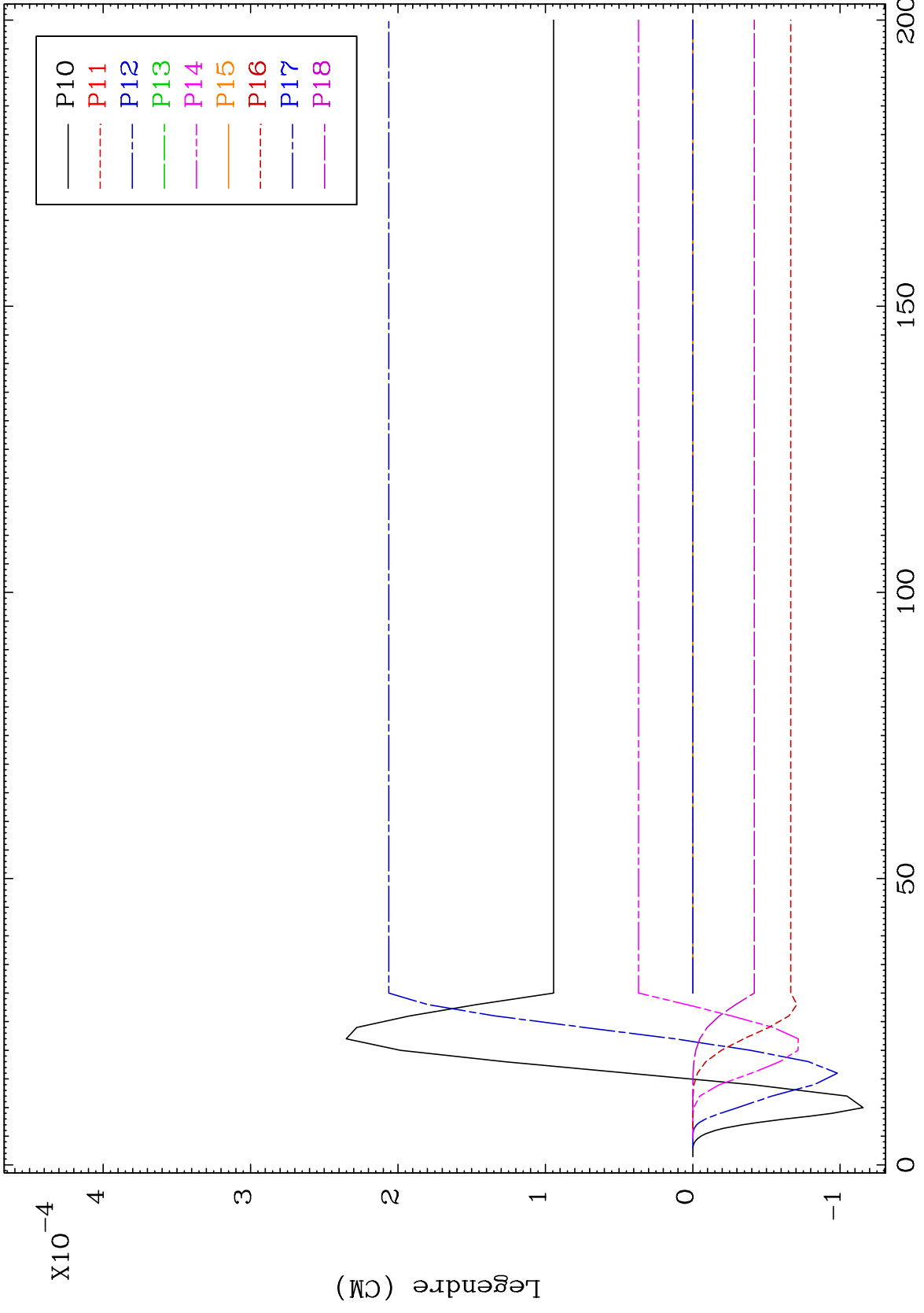


64 Incident Energy (MeV) 83-Bi-194

MAT 8280

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

83-Bi-194



65

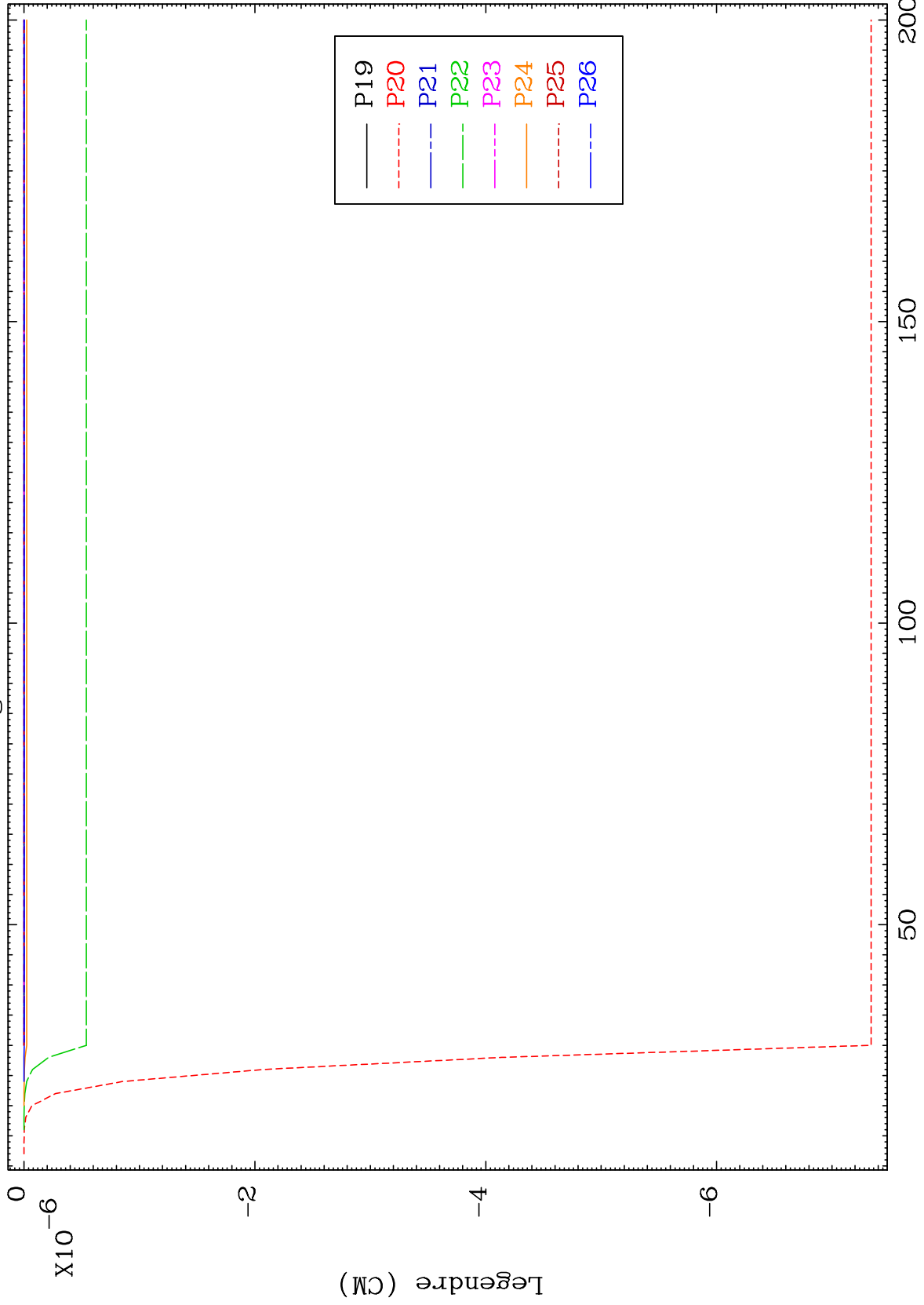
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



83-Bi-194

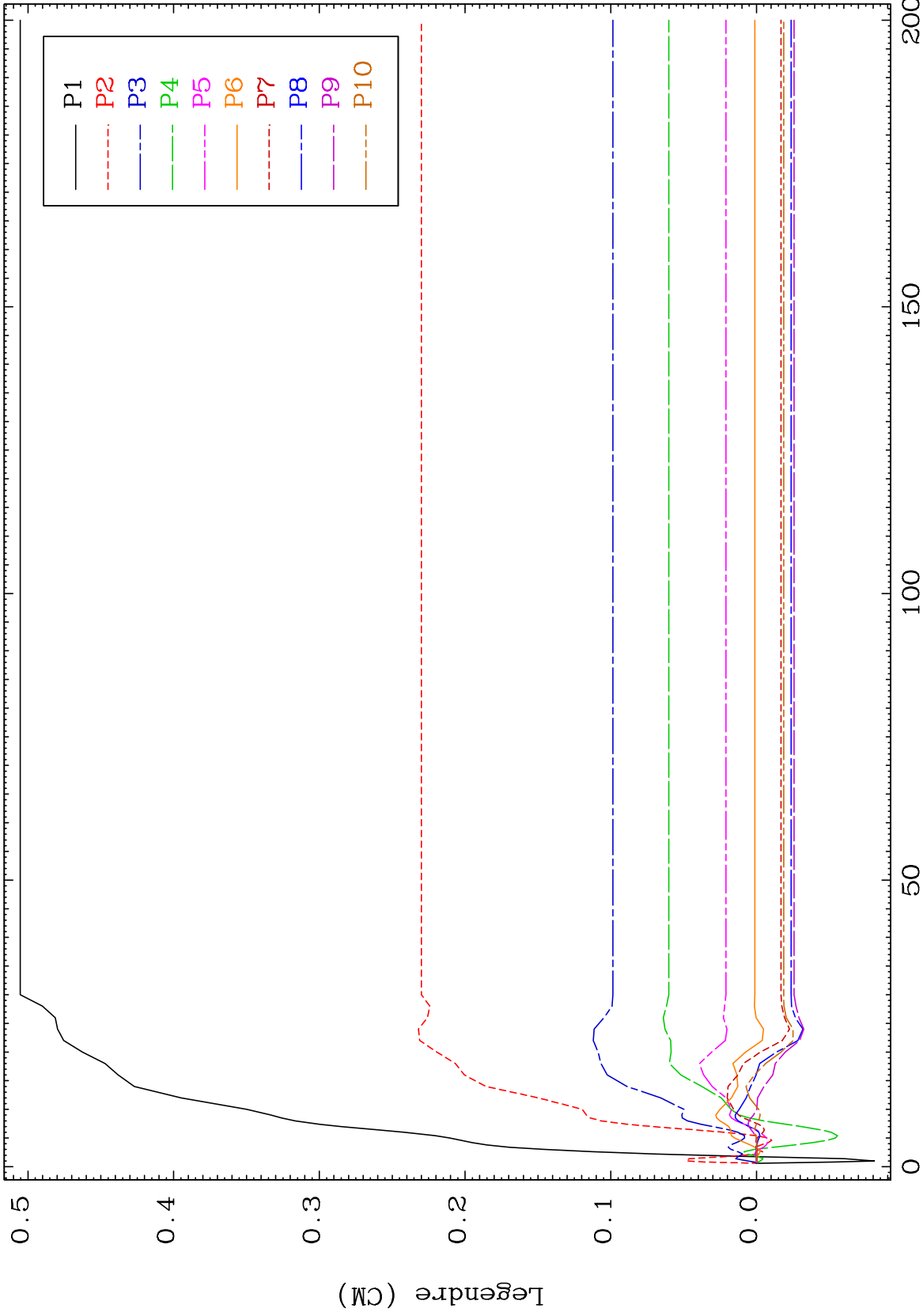
Incident Energy (MeV)

66

MAT 8280

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

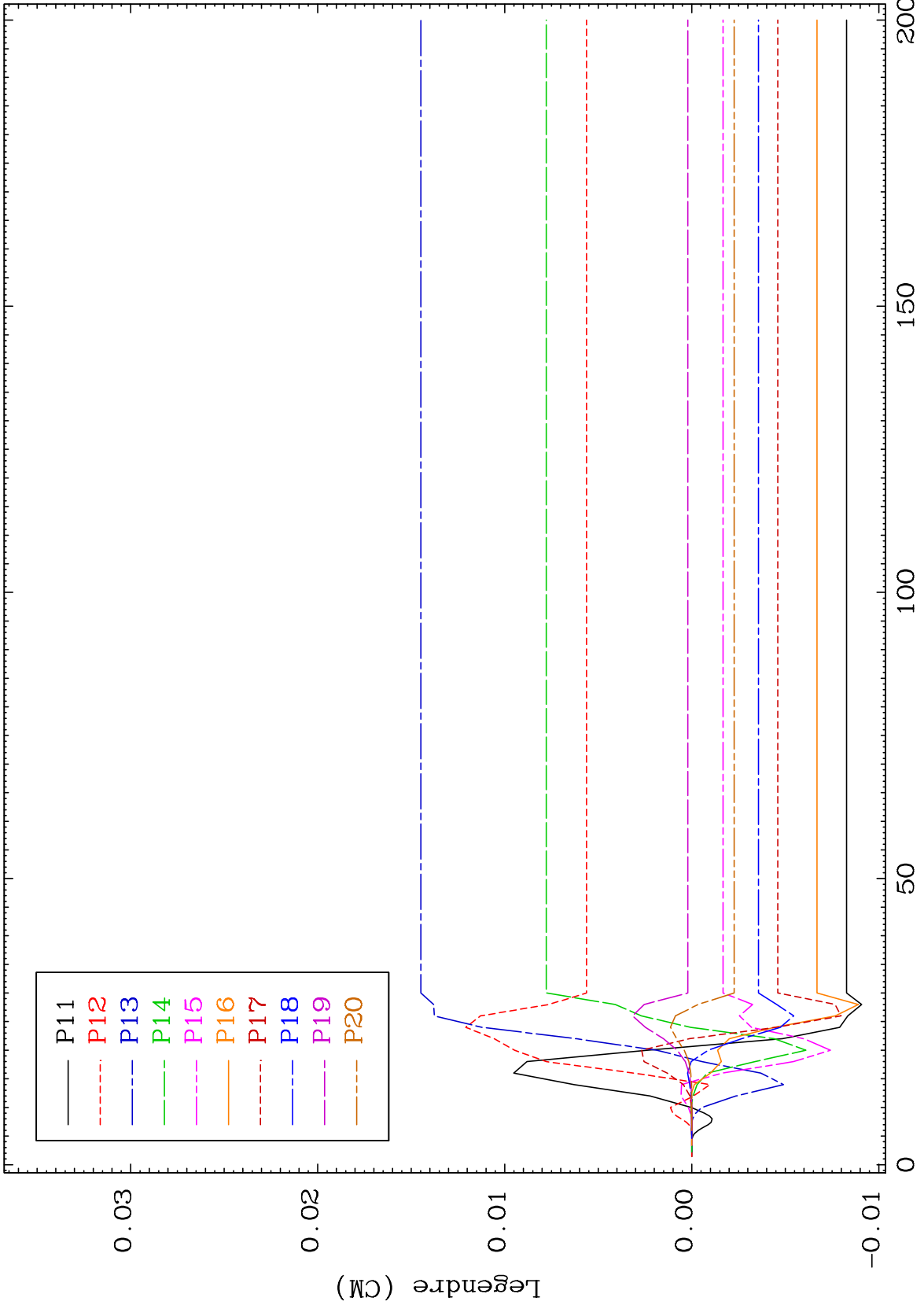
83-Bi-194



MAT 8280

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

83-Bi-194



68

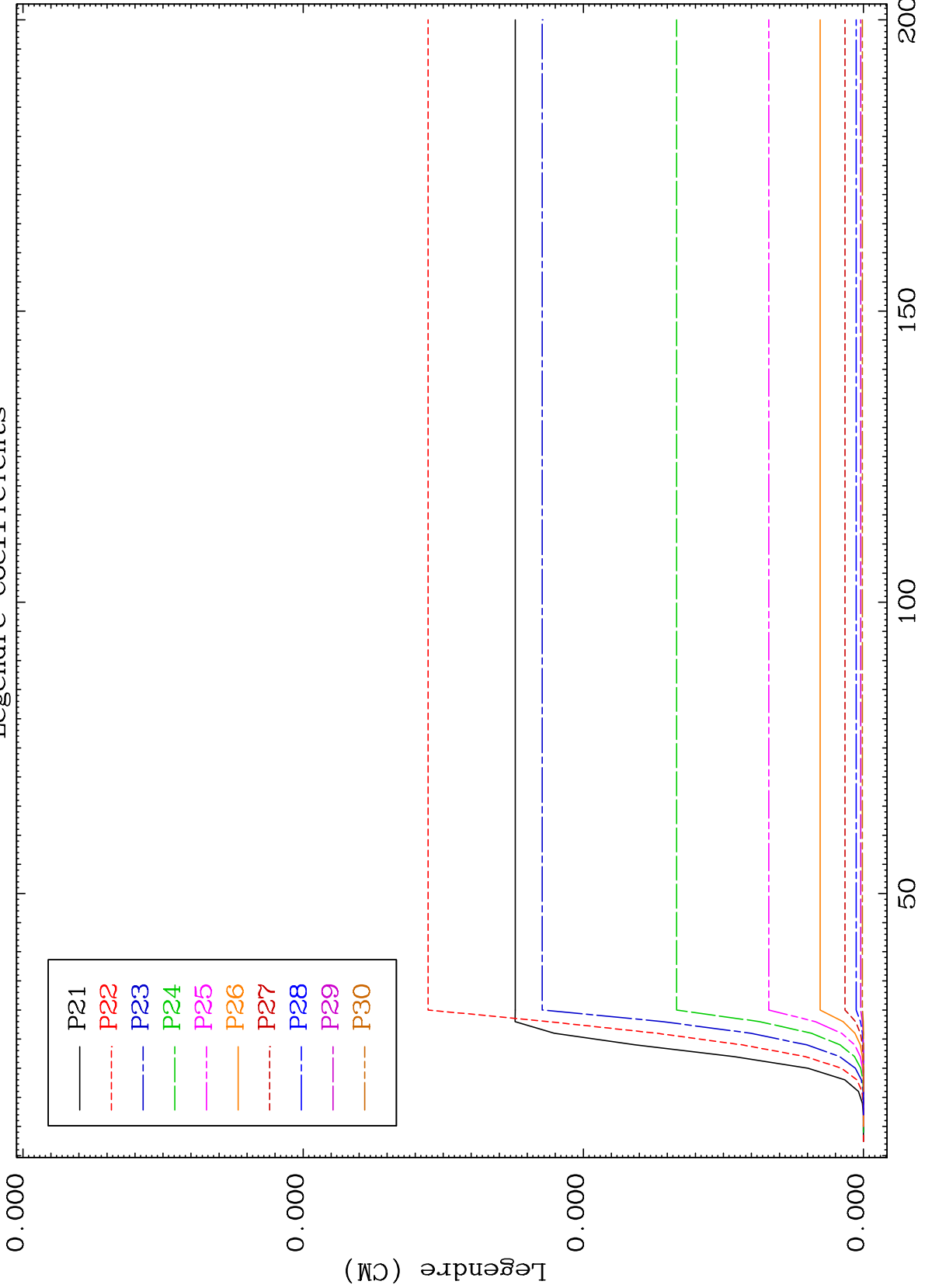
Incident Energy (MeV)

83-Bi-194

MAT 8280 MT= 65 (n,n') Level Legendre Coefficients

83-Bi-194

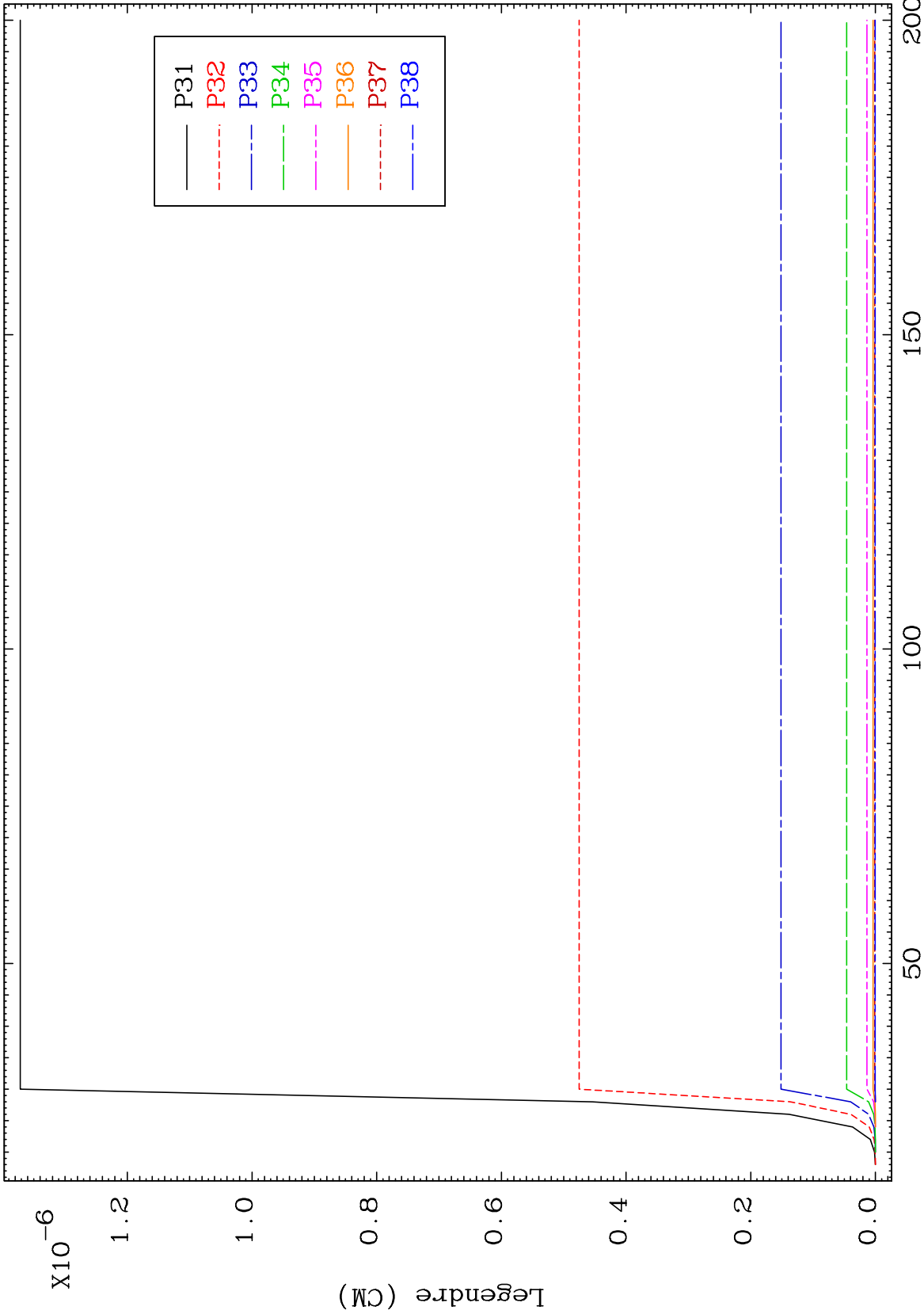
83-Bi-194



MAT 8280

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

83-Bi-194



70

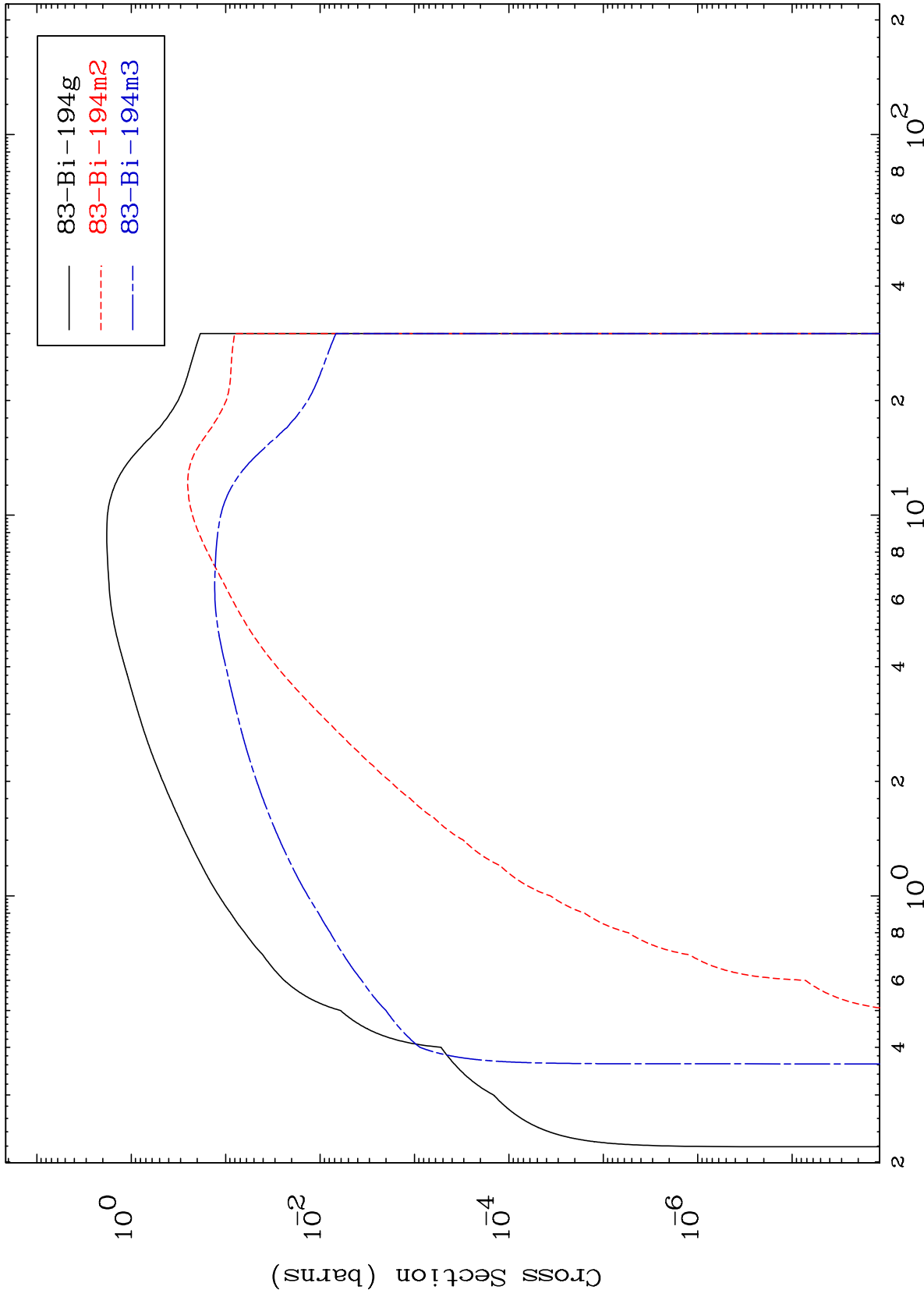
Incident Energy (MeV)

83-Bi-194

MAT 8280

# Inelastic Radionuclide Production Cross Section

83-Bi-194



71

Incident Energy (MeV)

83-Bi-194

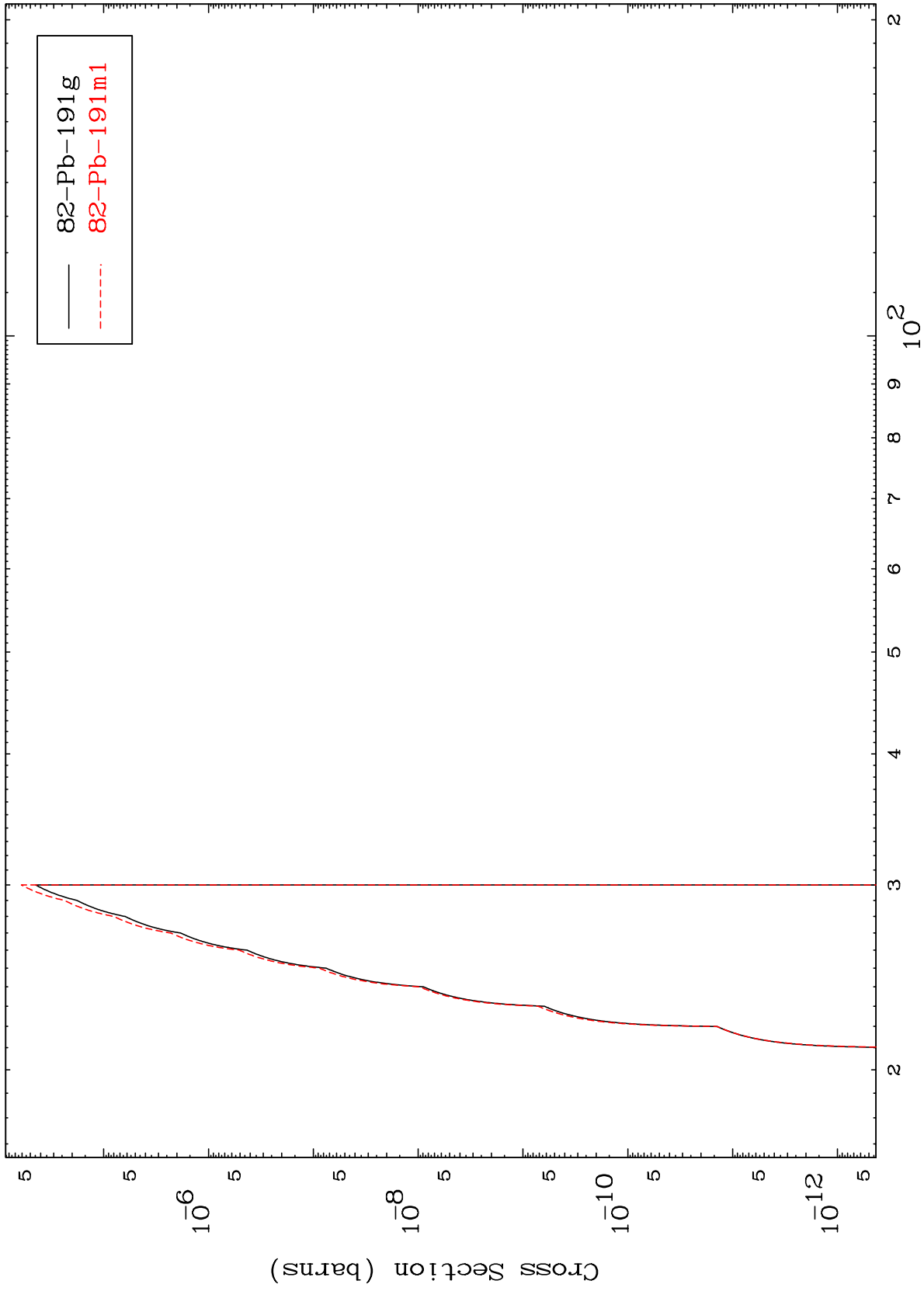


MAT 8280

(n,2n) d

83-Bi-194

Radionuclide Production Cross Section



72

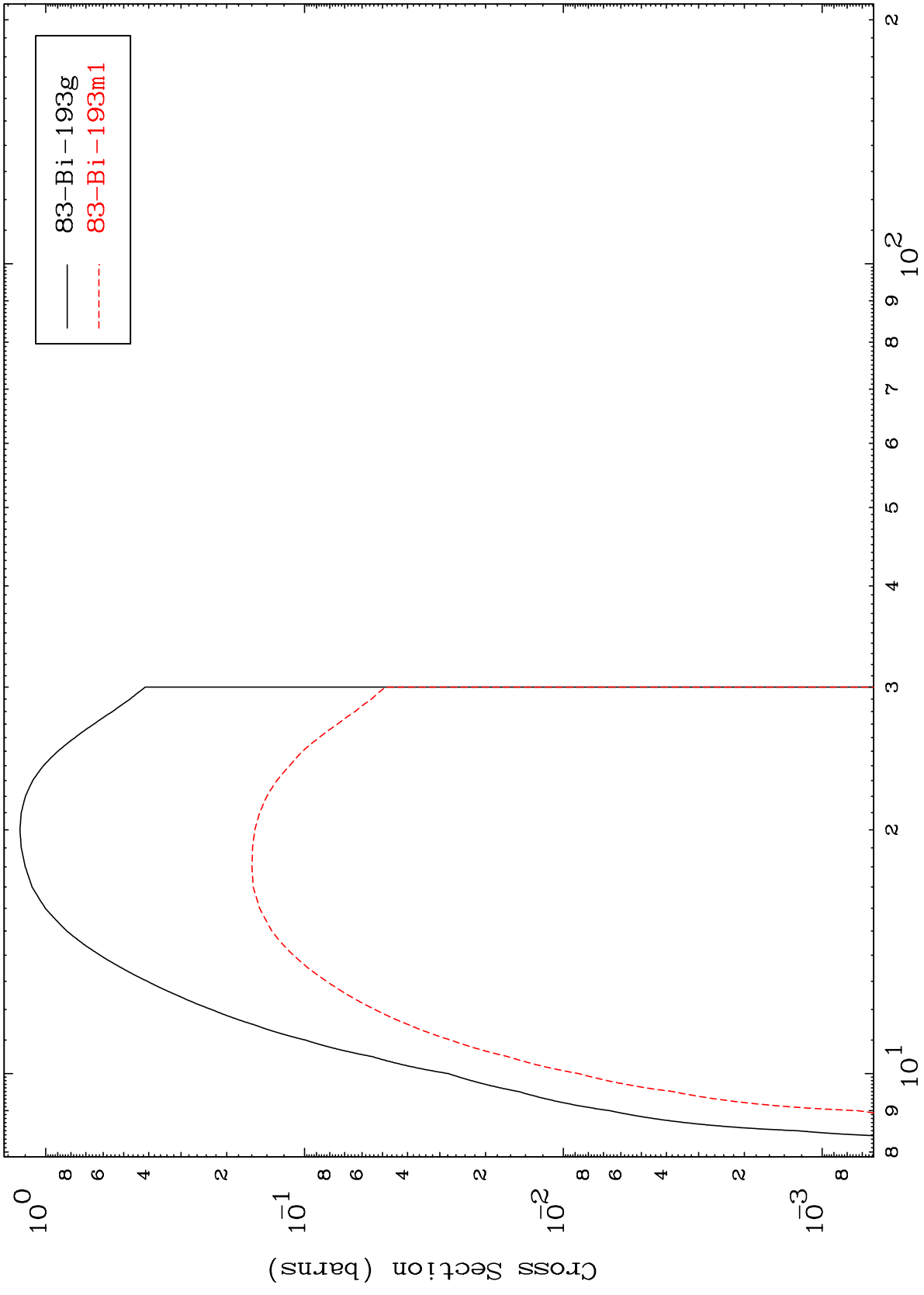
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,2n)  
Radionuclide Production Cross Section



73

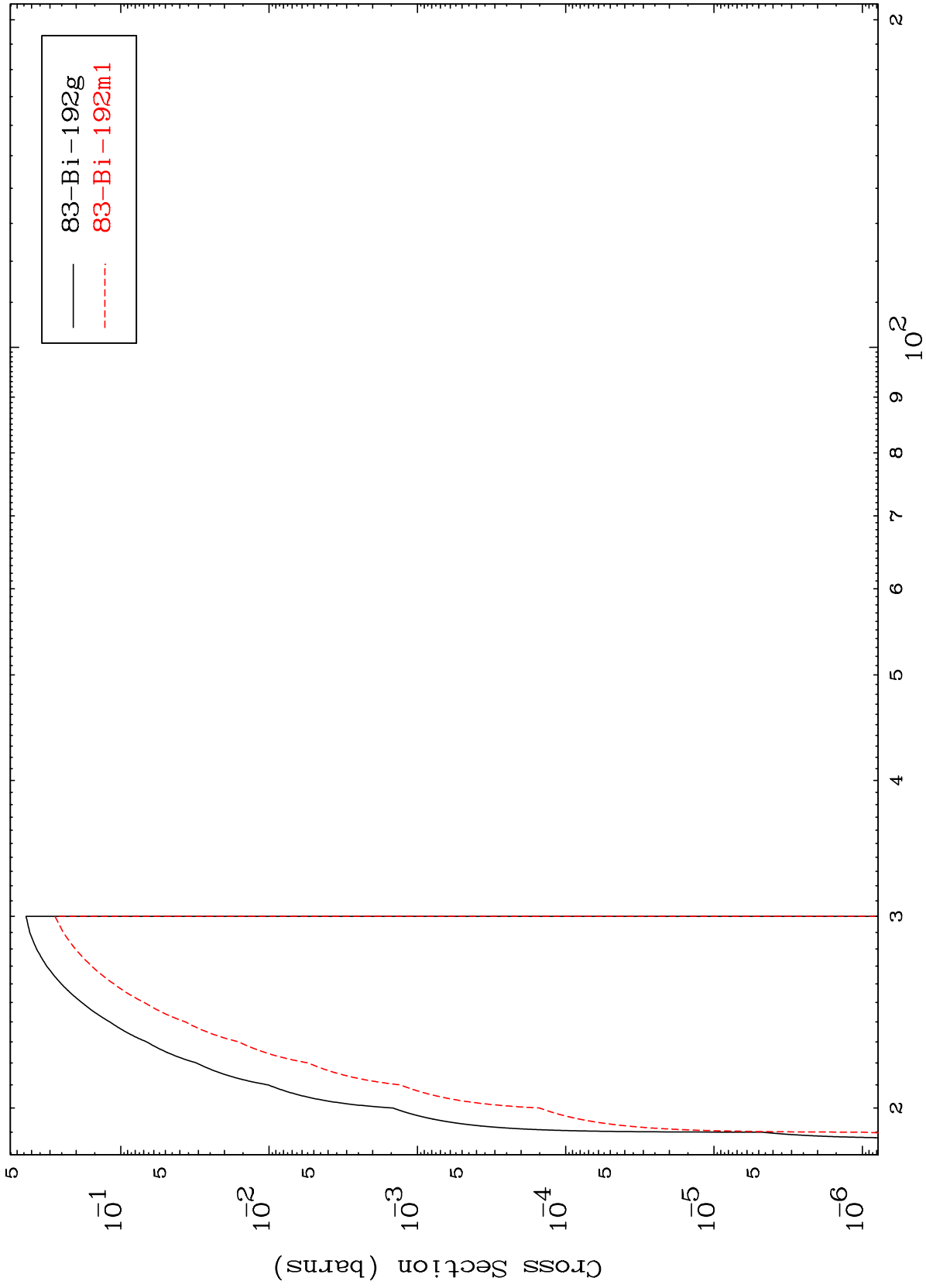
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,3n)  
Radionuclide Production Cross Section



74

Incident Energy (MeV)

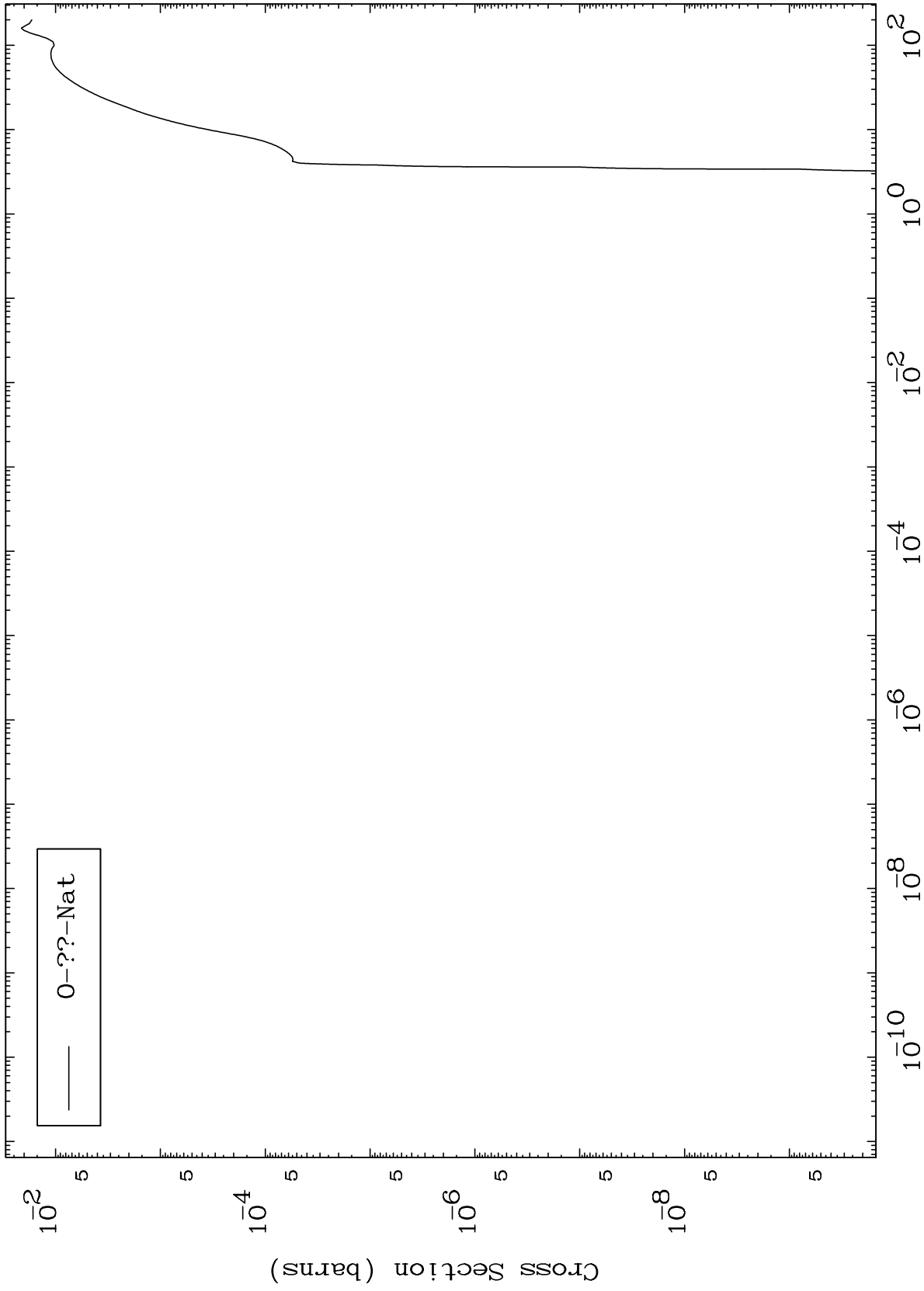
83-Bi-194

MAT 8280

Fission

83-Bi-194

Radionuclide Production Cross Section



75

Incident Energy (MeV)

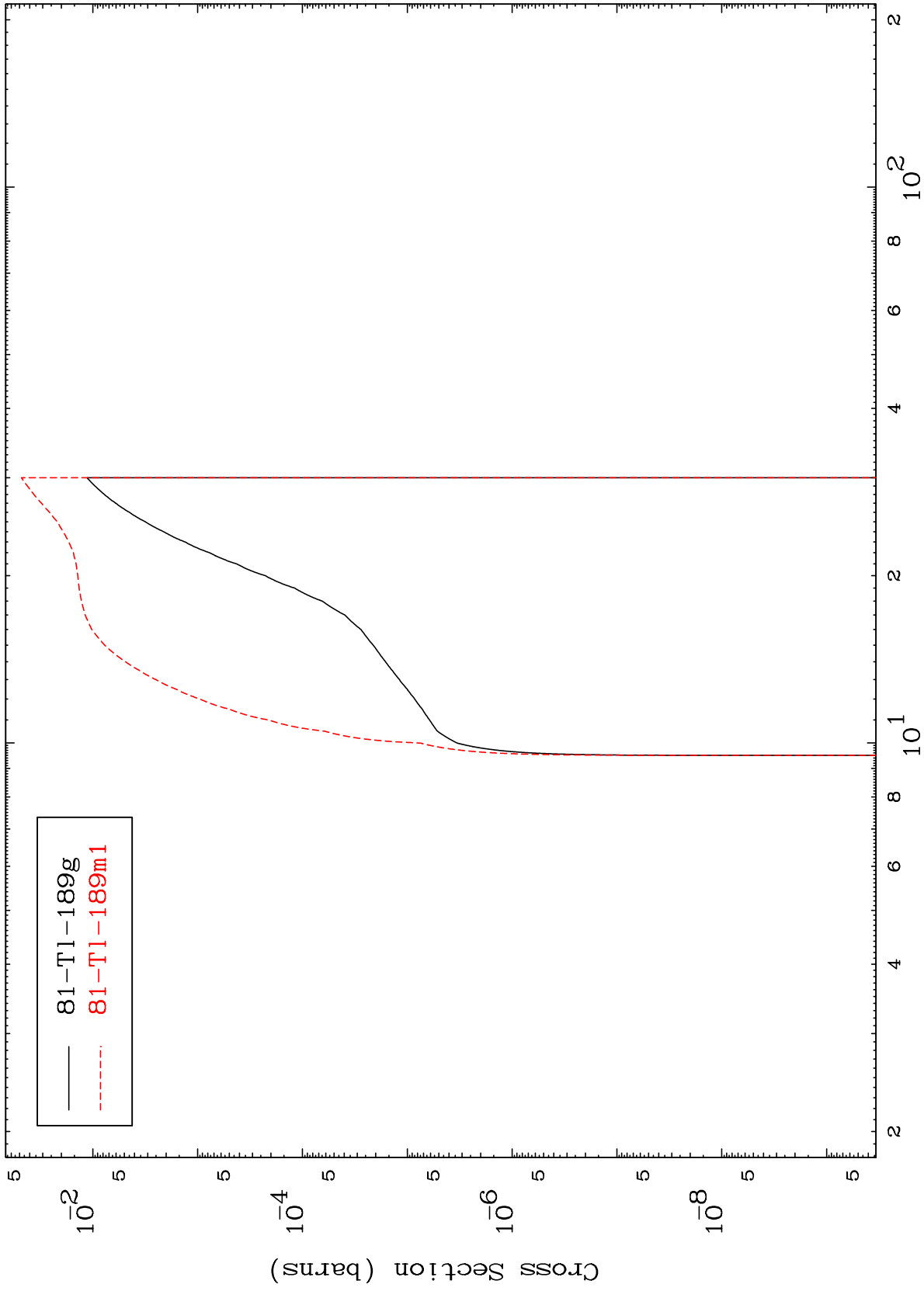
83-Bi-194

MAT 8280

$(n,2n) \alpha$

83-Bi-194

Radionuclide Production Cross Section



81-Tl-189g  
81-Tl-189m1

76

Incident Energy (MeV)

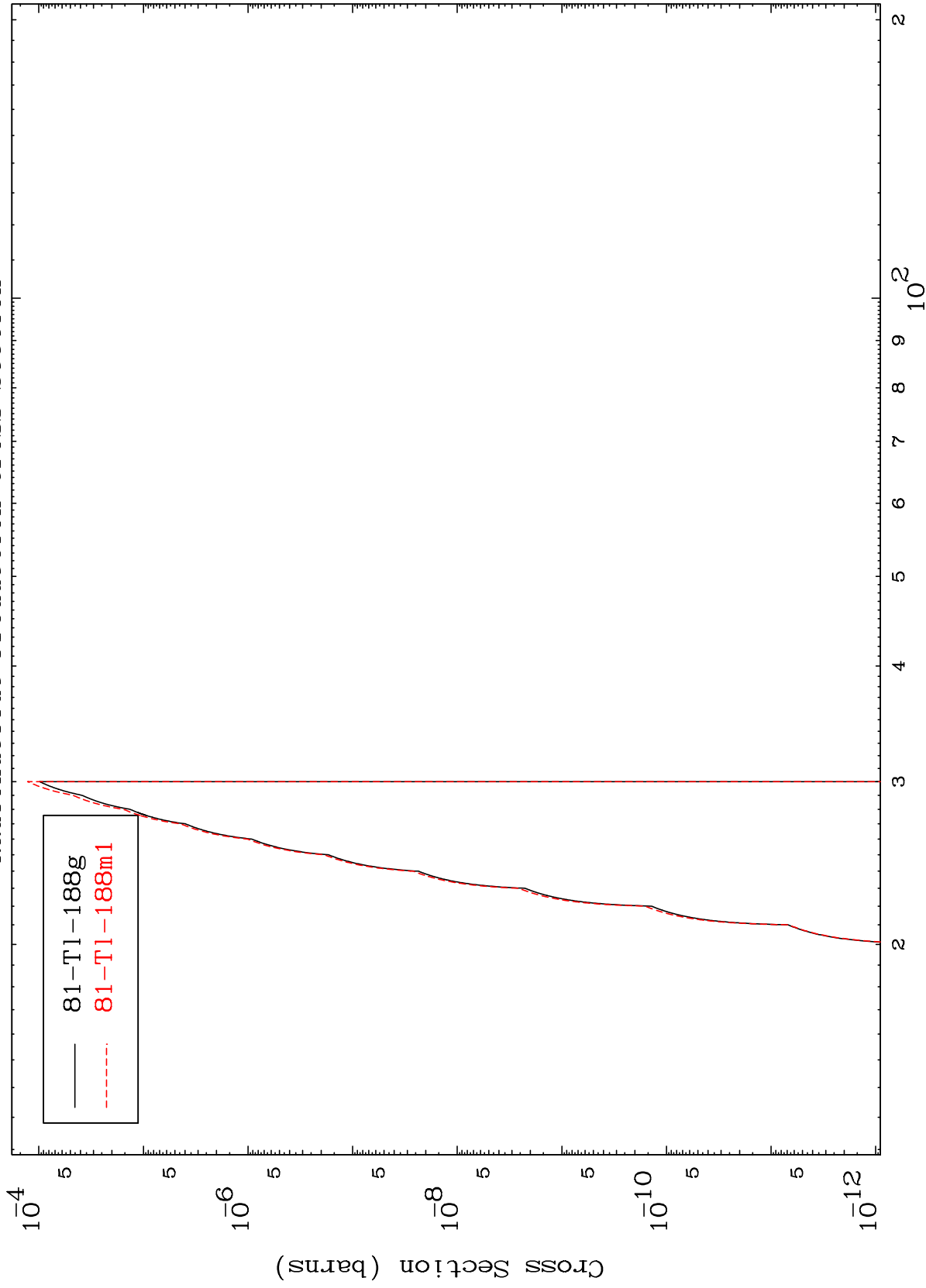
83-Bi-194

MAT 8280

(n,3n)  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



77

Incident Energy (MeV)

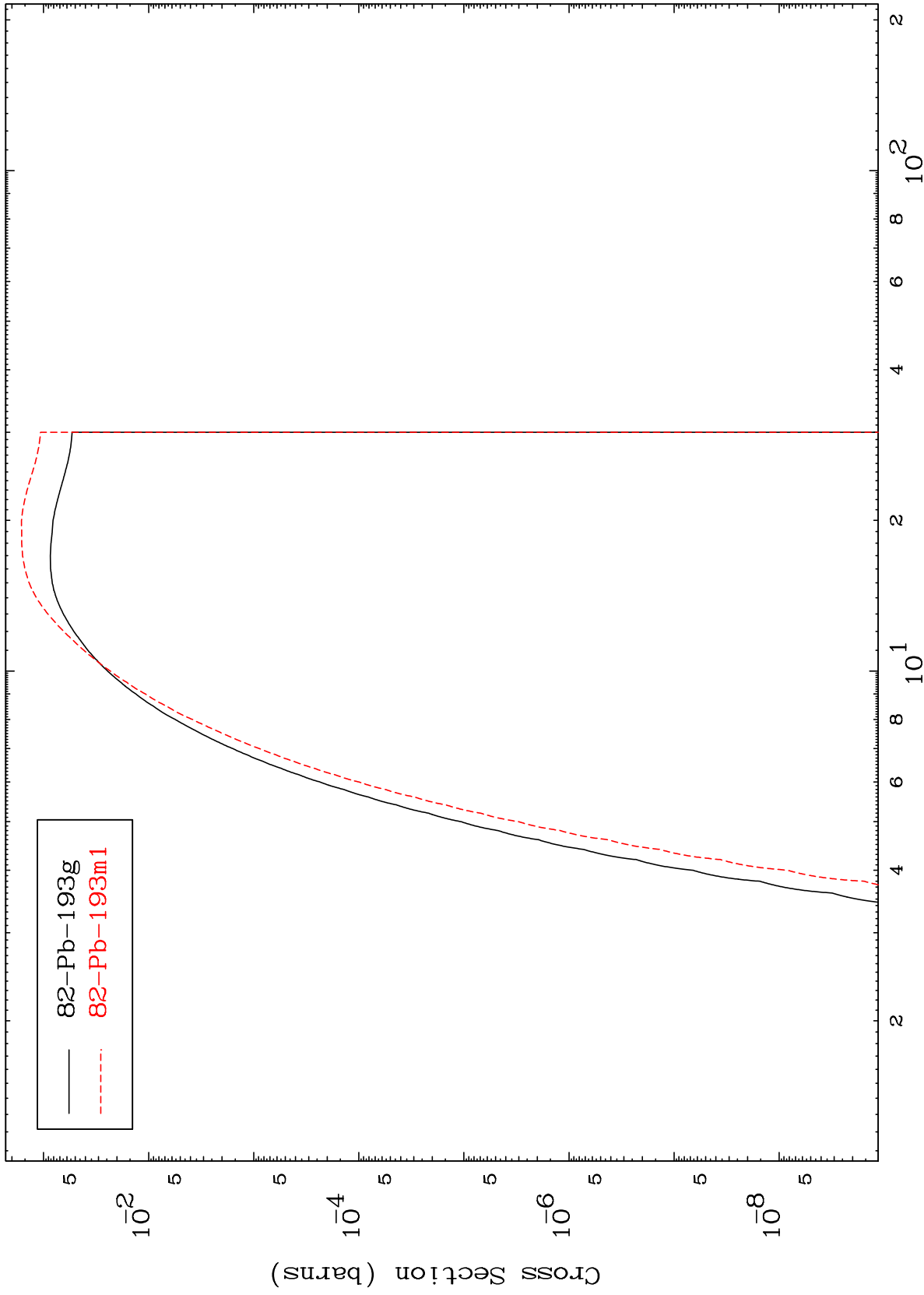
83-Bi-194

MAT 8280

(n,n') p

83-Bi-194

Radionuclide Production Cross Section



78

Incident Energy (MeV)

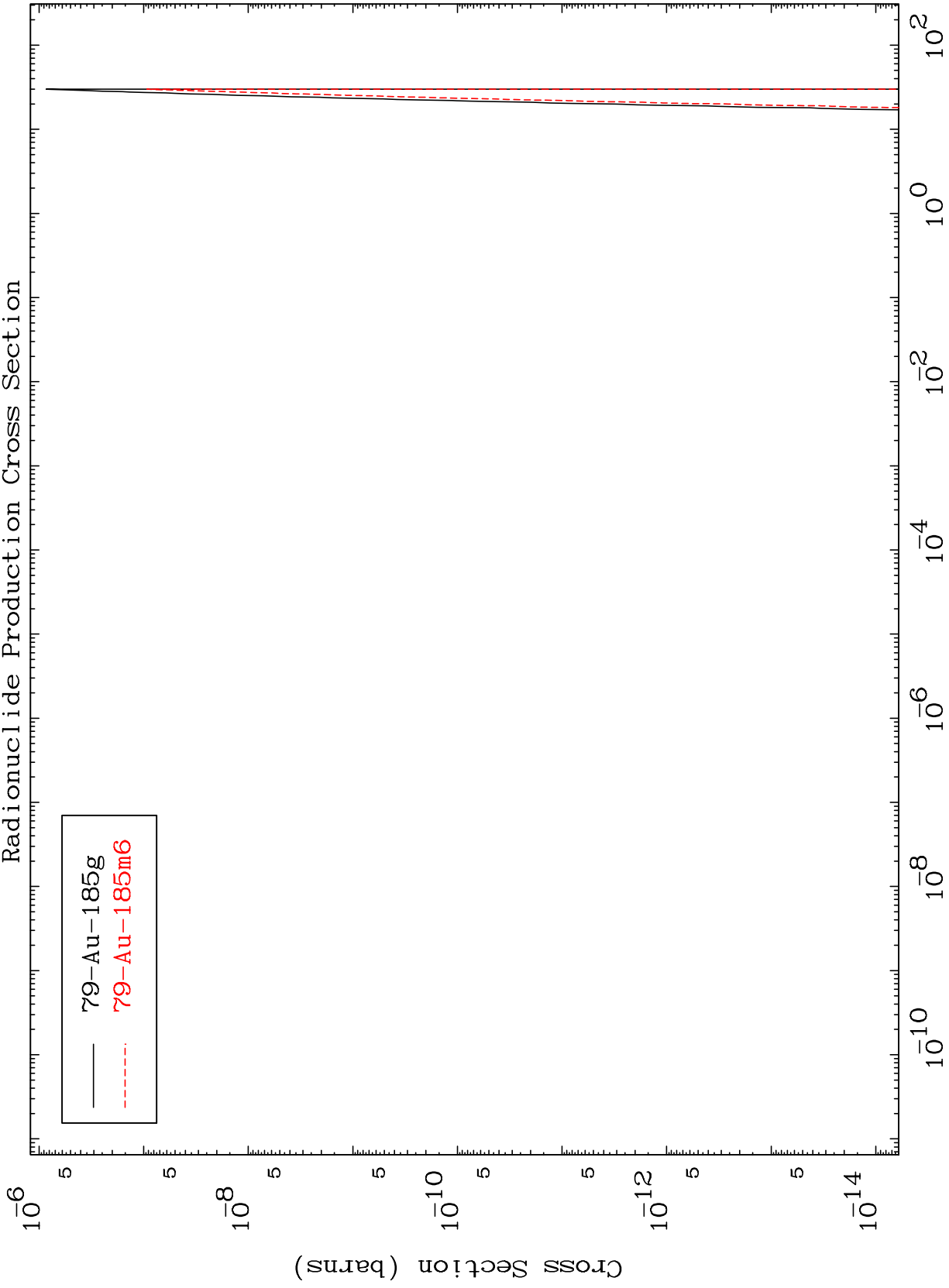
83-Bi-194

MAT 8280

(n,2n) 2 $\alpha$

83-Bi-194

Radionuclide Production Cross Section



79-Au-185g  
79-Au-185m6

79

Incident Energy (MeV)

83-Bi-194

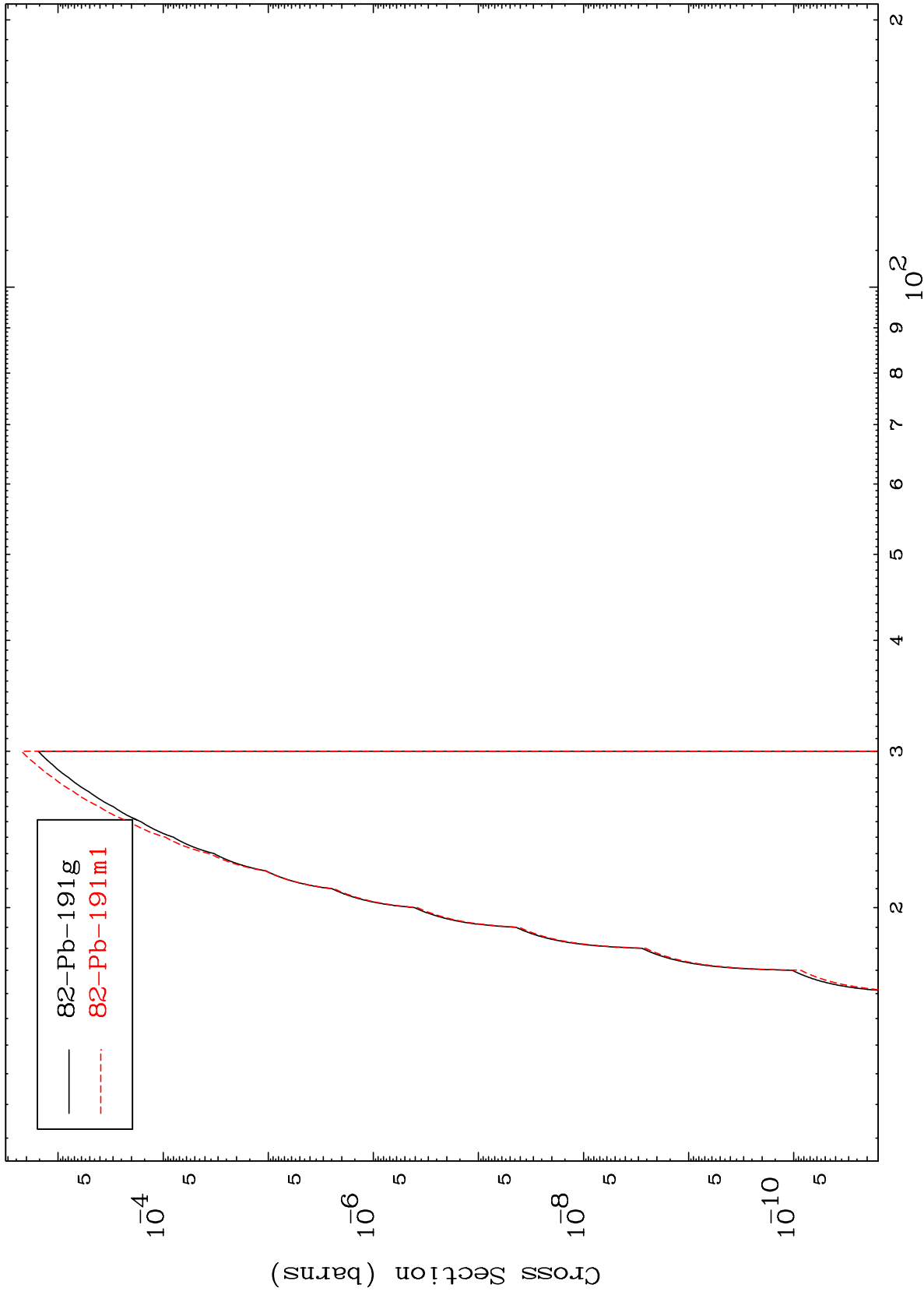


MAT 8280

(n,n') t

83-Bi-194

Radionuclide Production Cross Section



80

Incident Energy (MeV)

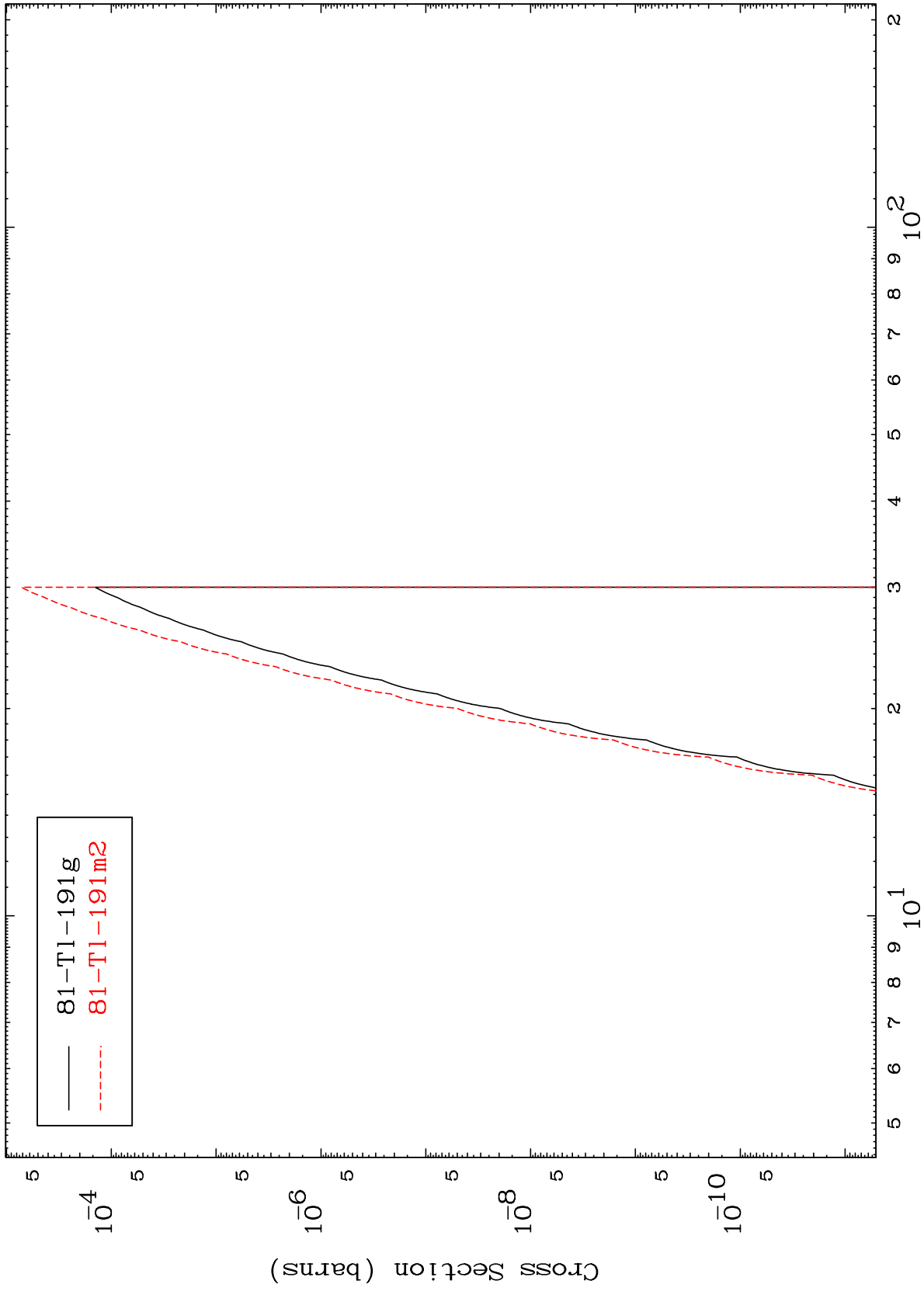
83-Bi-194

MAT 8280

(n, n') He-3

83-Bi-194

Radionuclide Production Cross Section



81

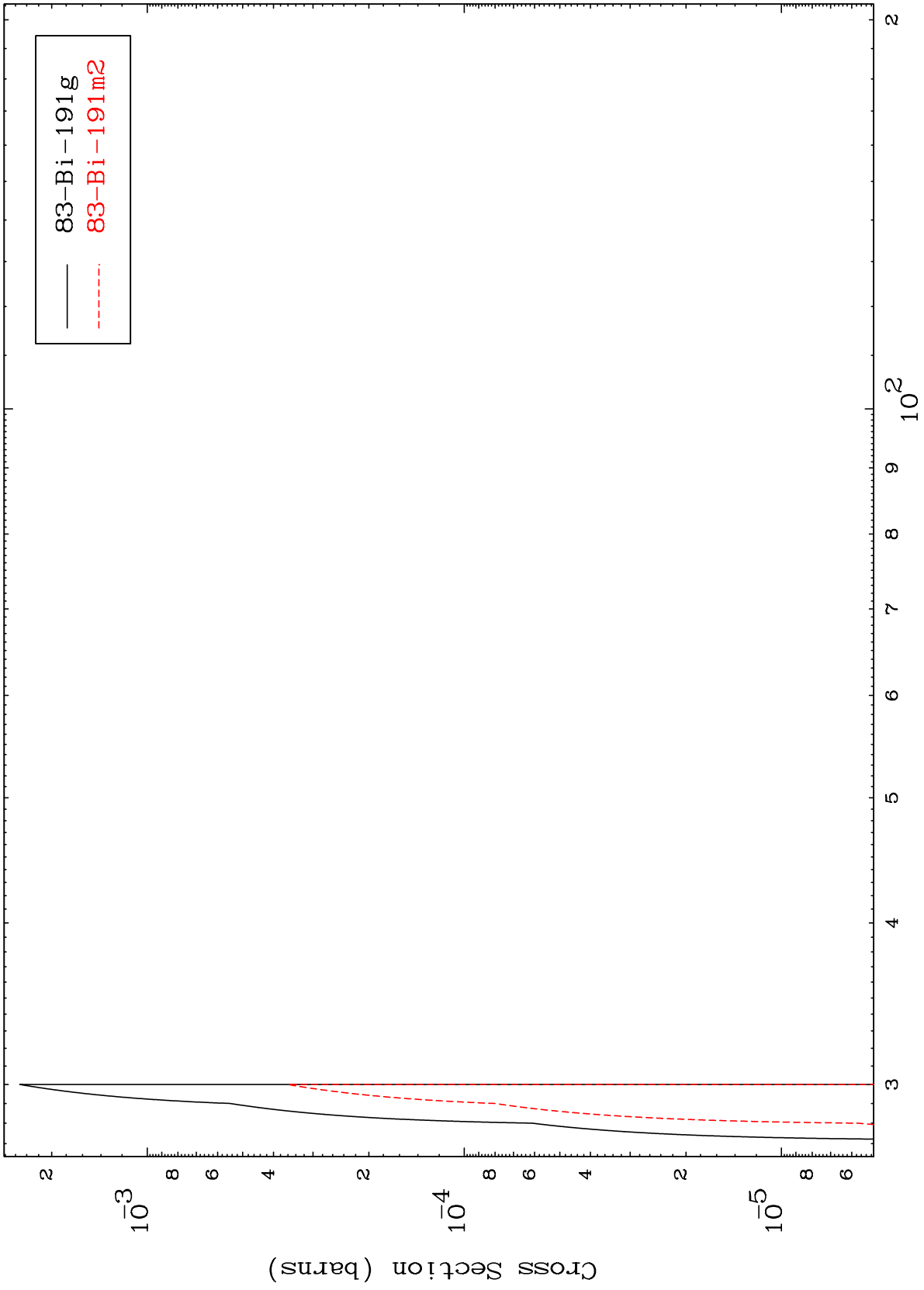
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,4n)  
Radionuclide Production Cross Section



82

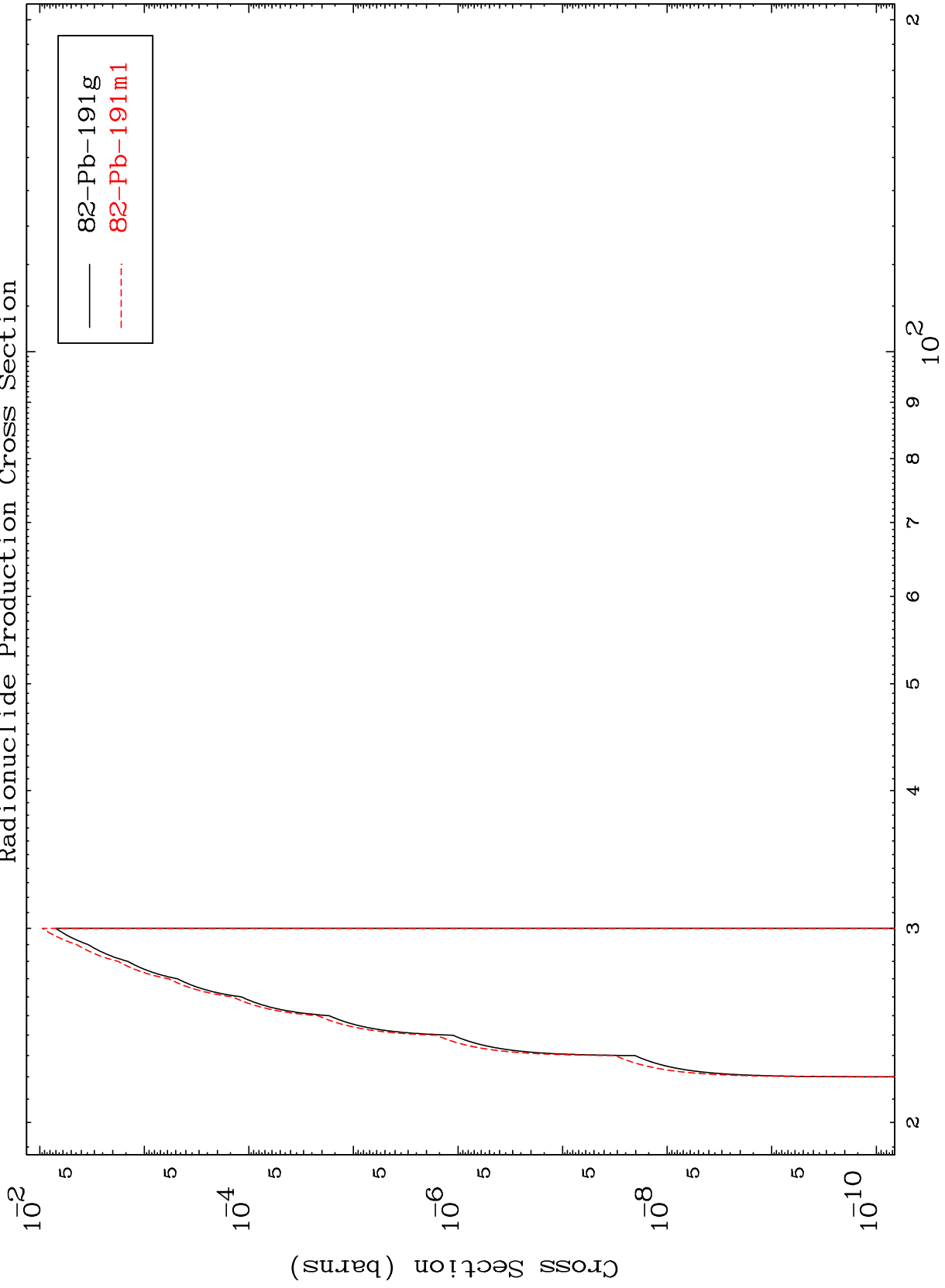
83-Bi-194

MAT 8280

(n,3n) p

83-Bi-194

Radionuclide Production Cross Section



83

Incident Energy (MeV)

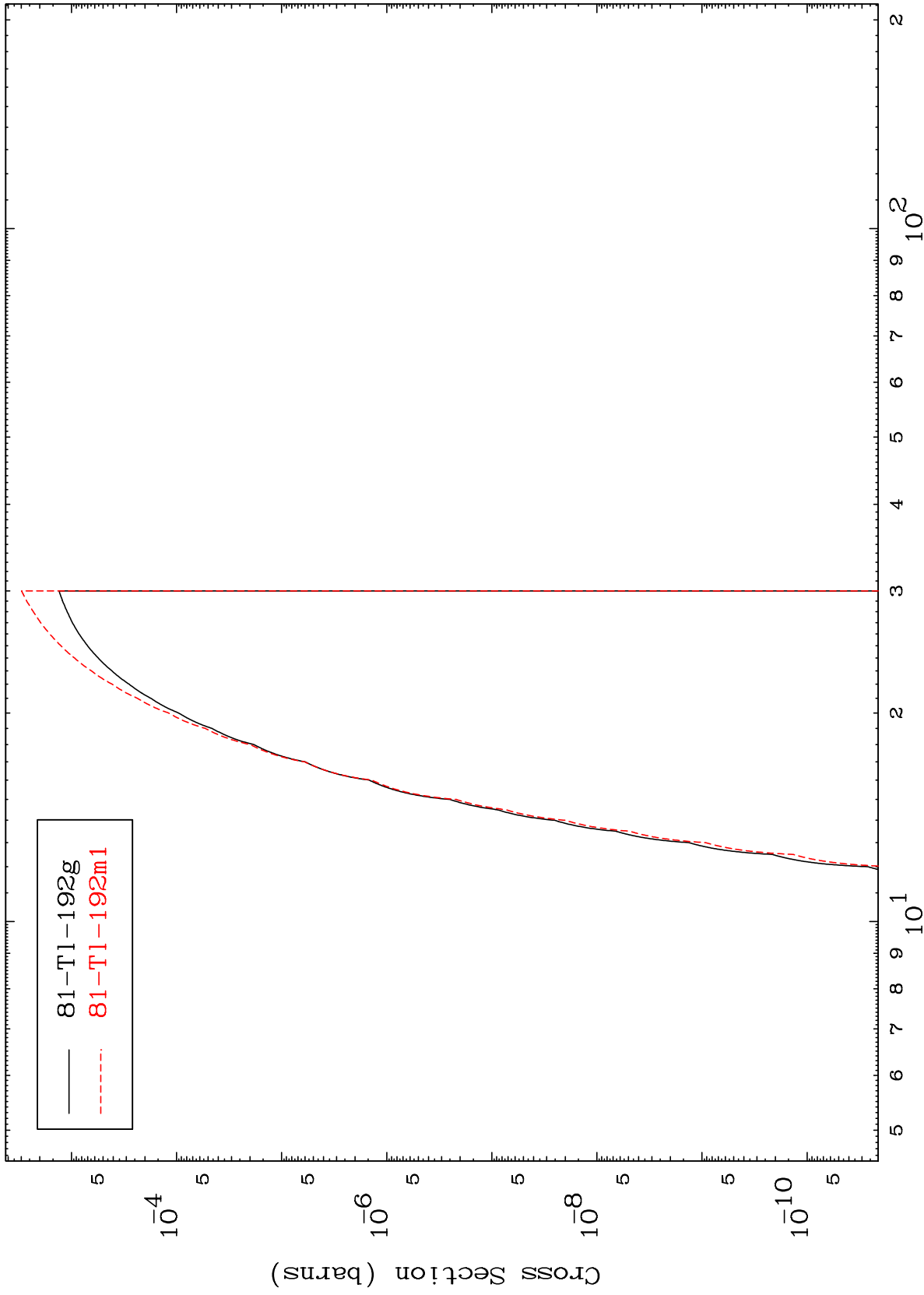
83-Bi-194

MAT 8280

(n,2n) p

83-Bi-194

Radionuclide Production Cross Section



84

Incident Energy (MeV)

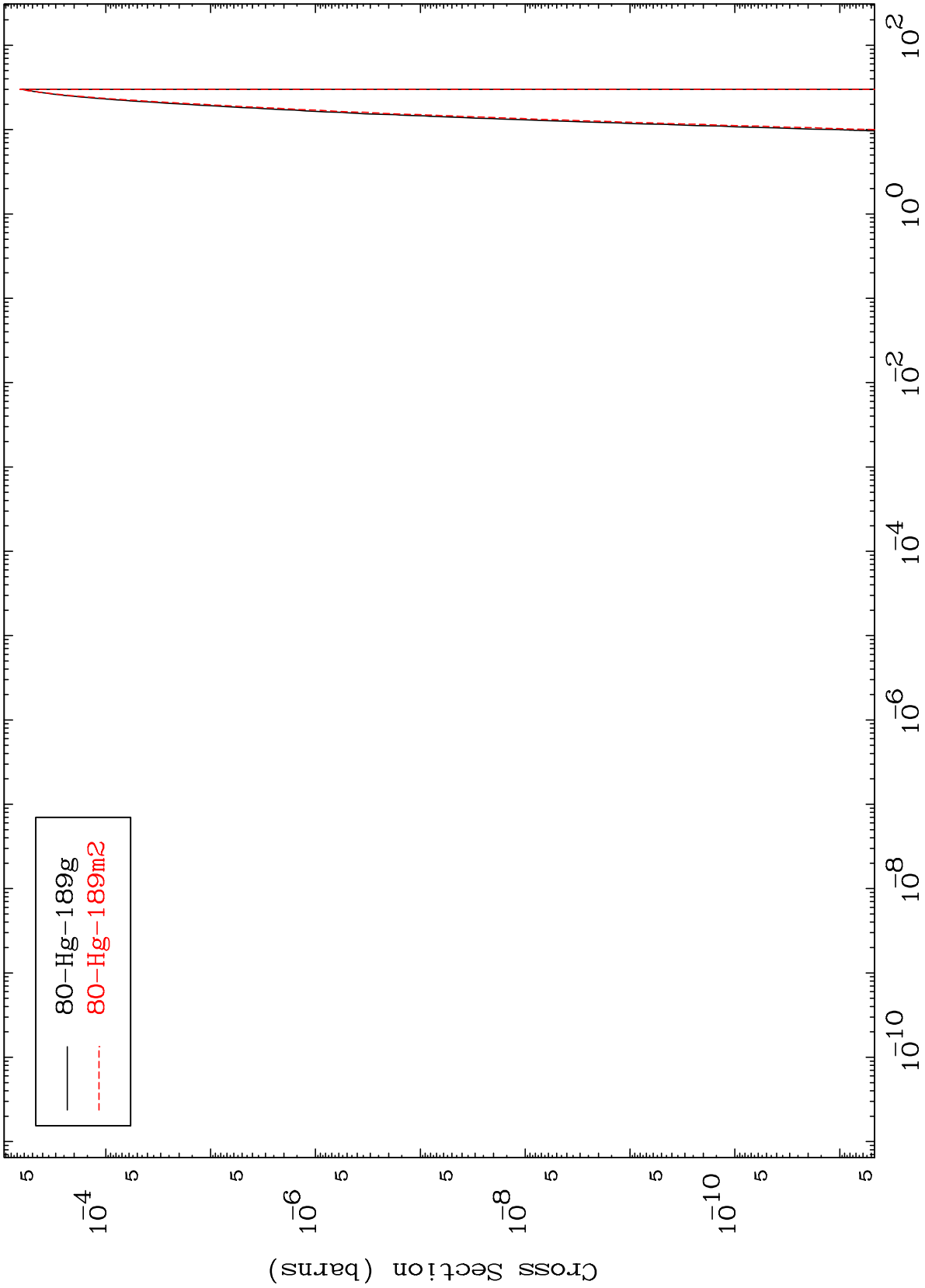
83-Bi-194

MAT 8280

(n,n') p  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



85

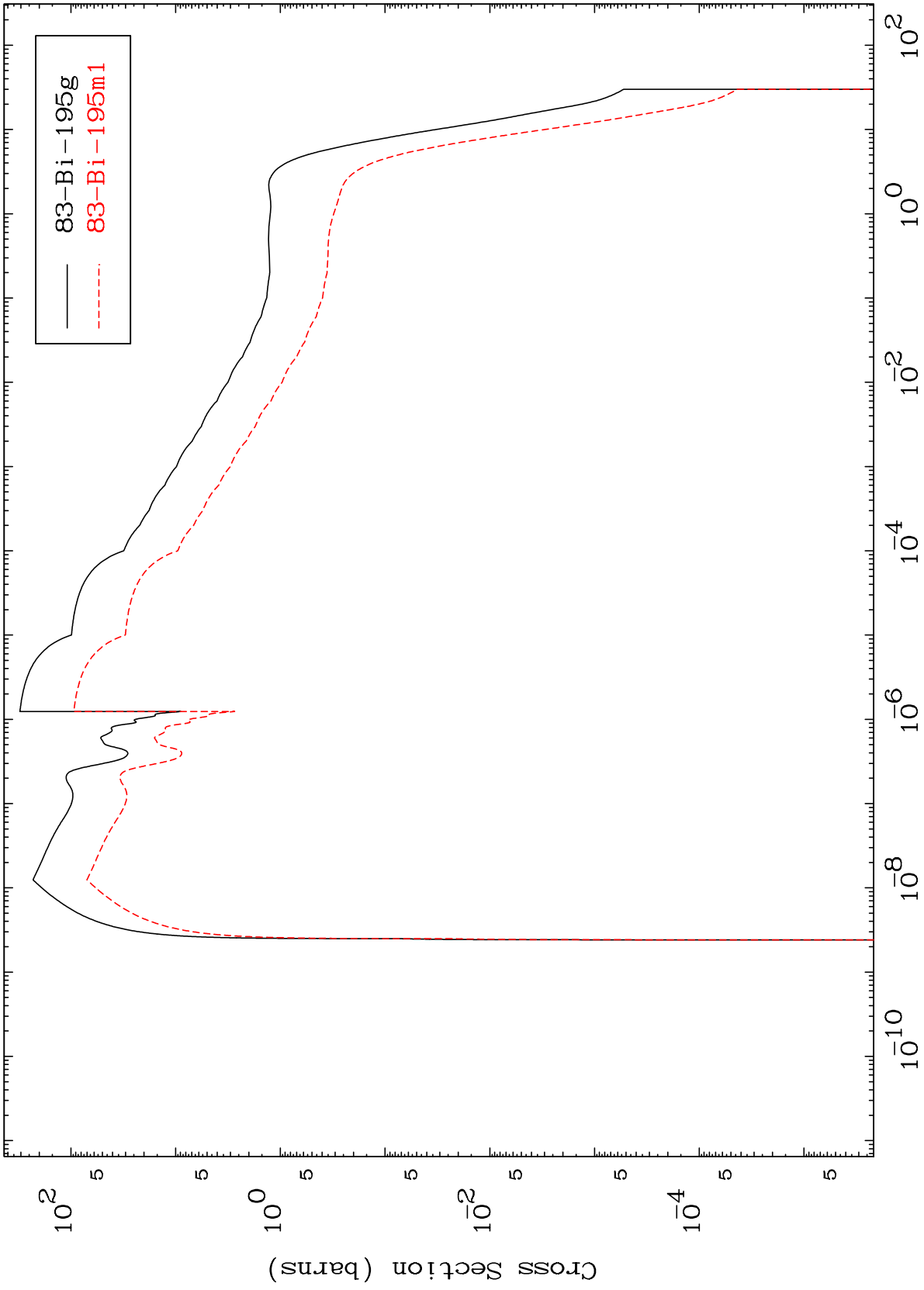
Incident Energy (MeV)

83-Bi-194

MAT 8280

<sup>83</sup>Bi-194

(n,γ)  
Radionuclide Production Cross Section



86

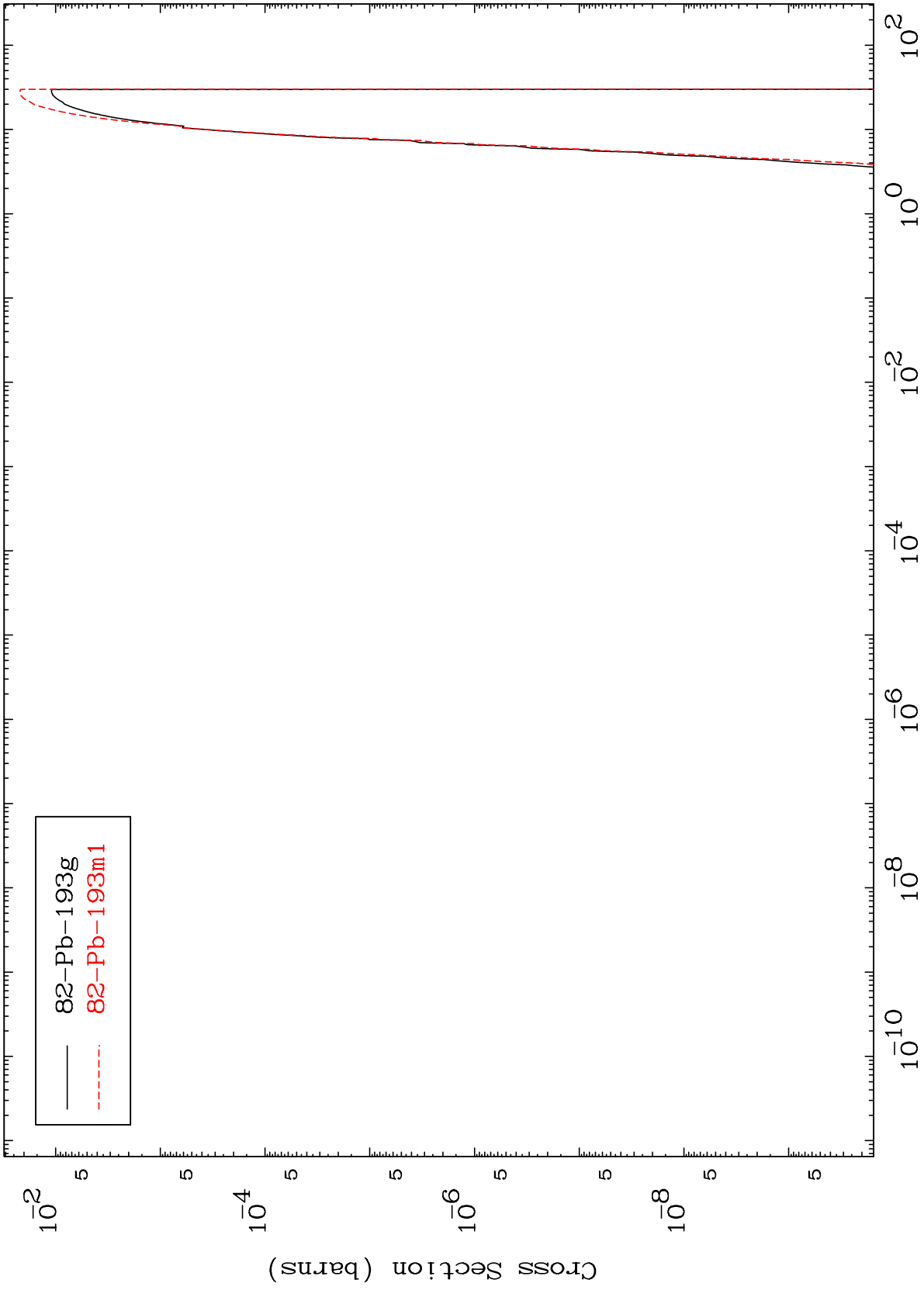
<sup>83</sup>Bi-194

MAT 8280

(n,d)

83-Bi-194

Radionuclide Production Cross Section



82-Pb-193g  
82-Pb-193m1

87

Incident Energy (MeV)

83-Bi-194

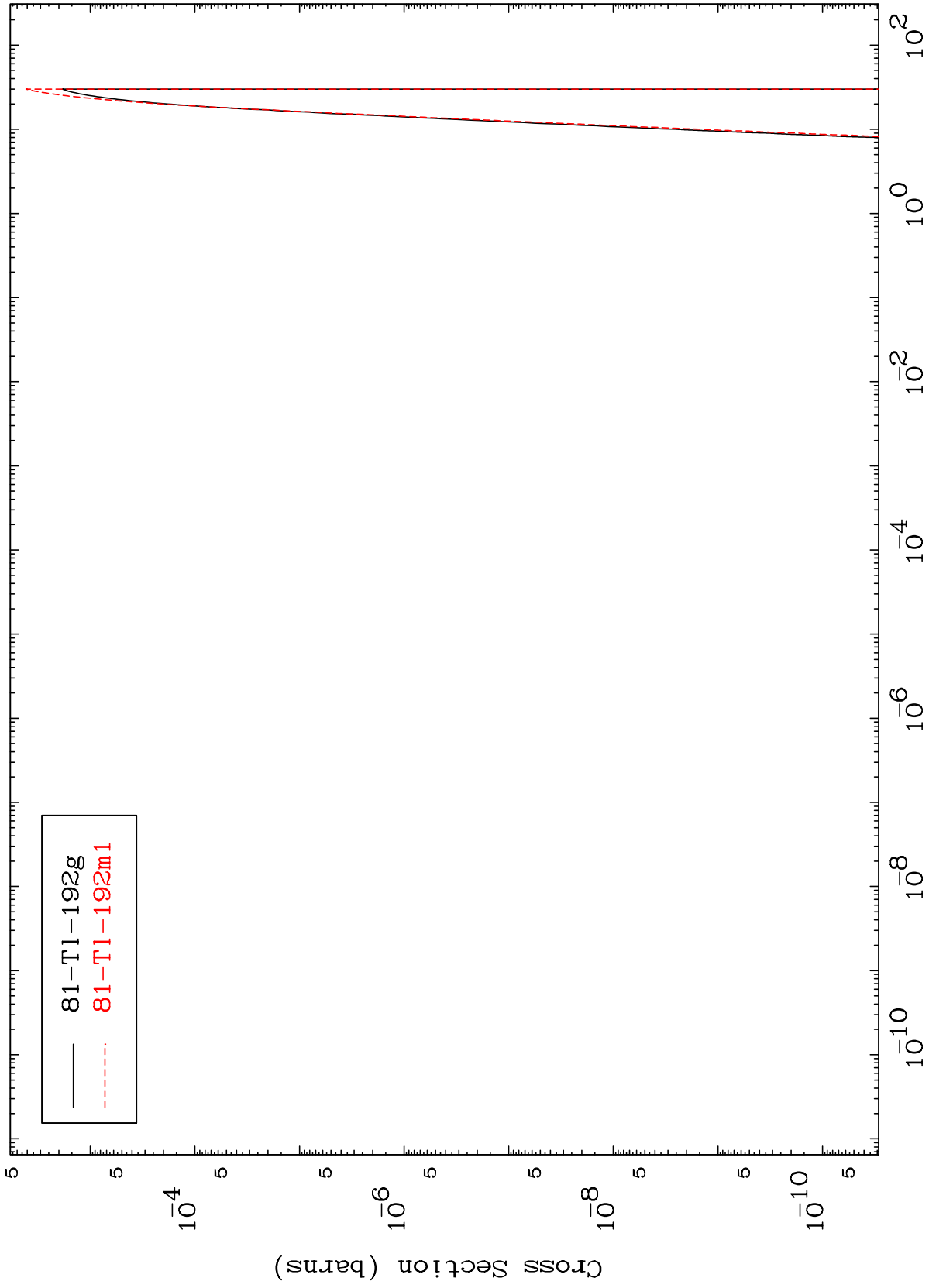


MAT 8280

(n,He-3)

83-Bi-194

Radionuclide Production Cross Section



81-Tl-192g  
81-Tl-192m1

88

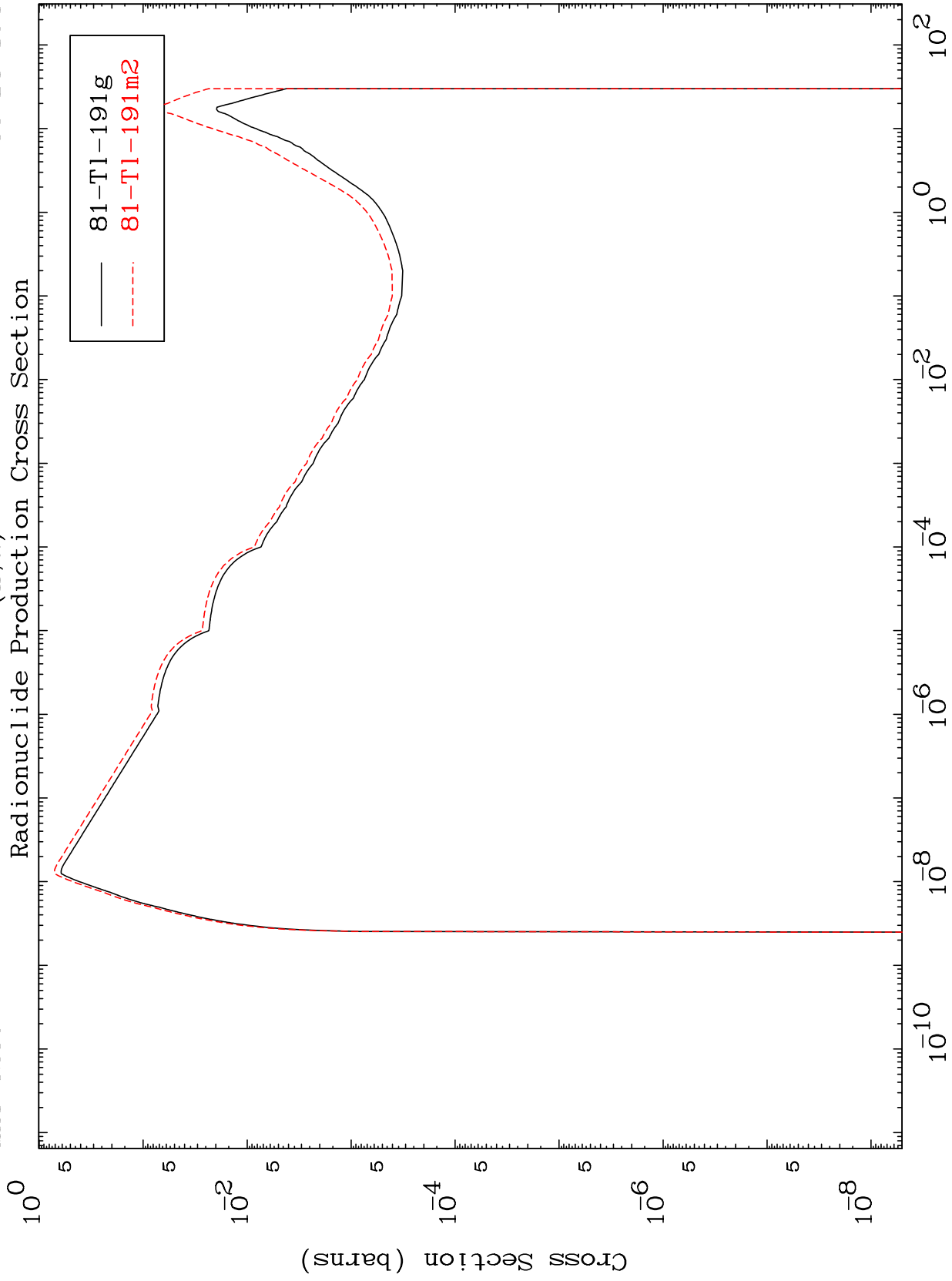
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,α)  
Radionuclide Production Cross Section



89

Incident Energy (MeV)

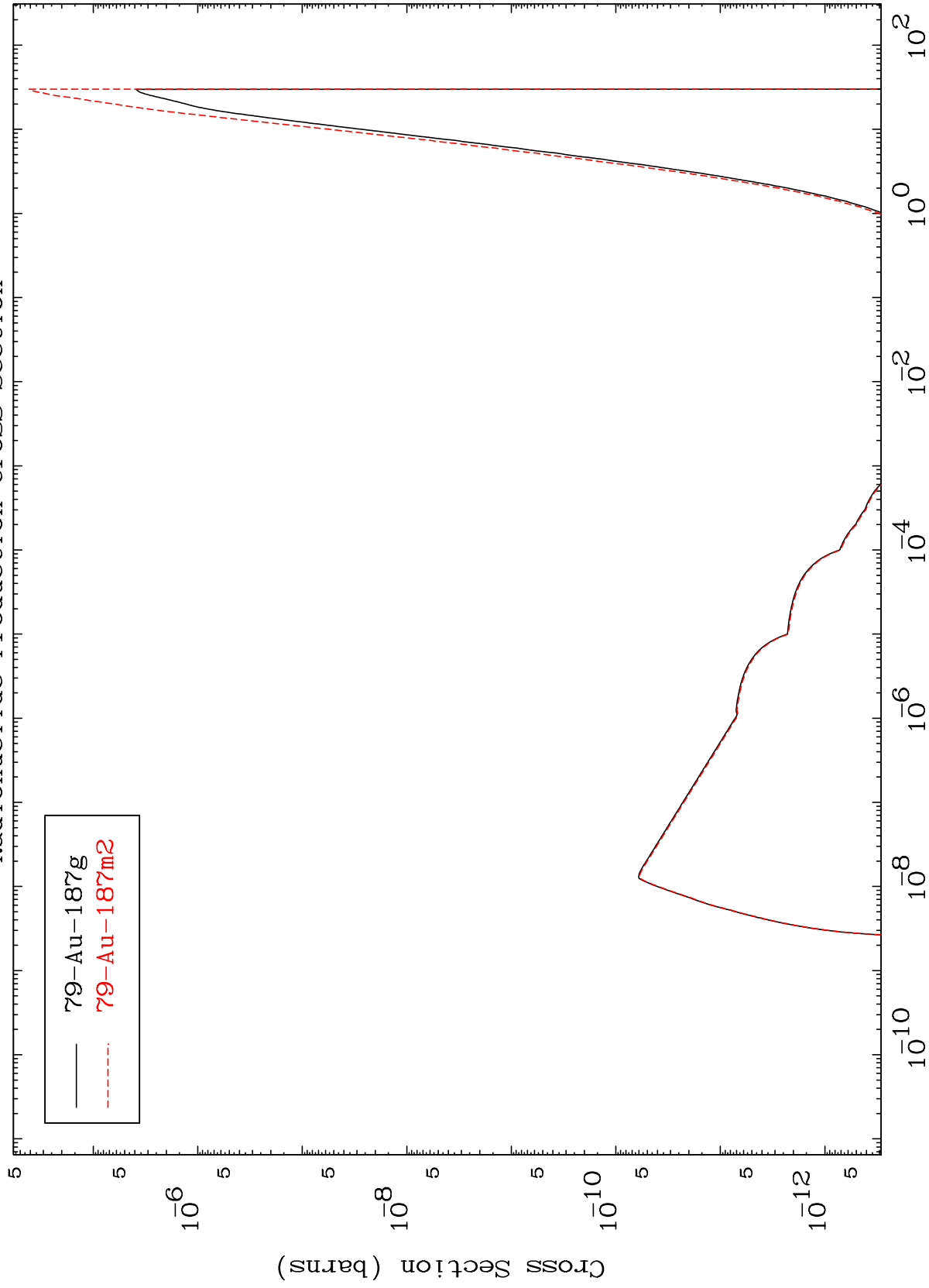
83-Bi-194

MAT 8280

(n,2α)

83-Bi-194

Radionuclide Production Cross Section



90

Incident Energy (MeV)

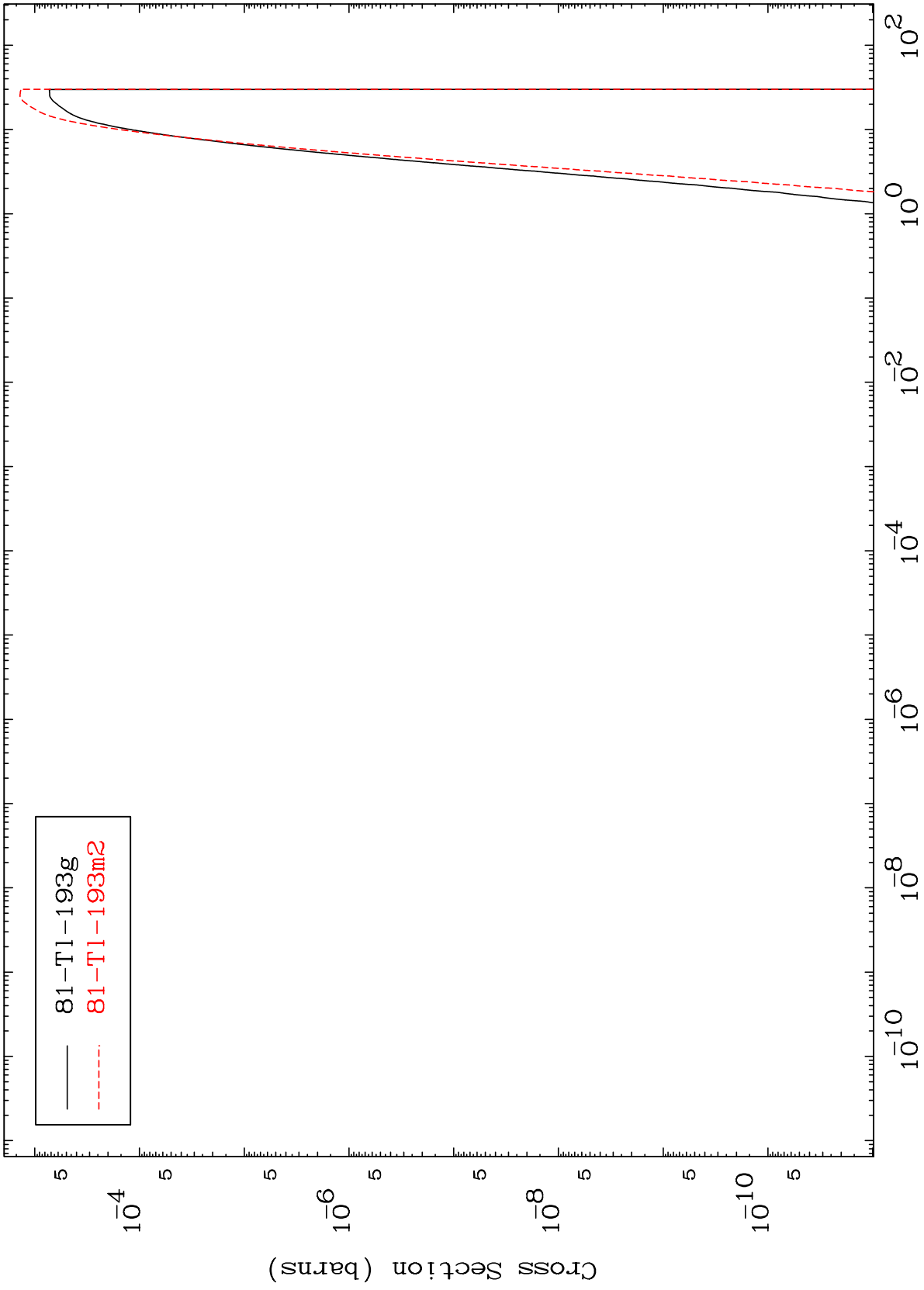
83-Bi-194

MAT 8280

(n,2p)

83-Bi-194

Radionuclide Production Cross Section



91

Incident Energy (MeV)

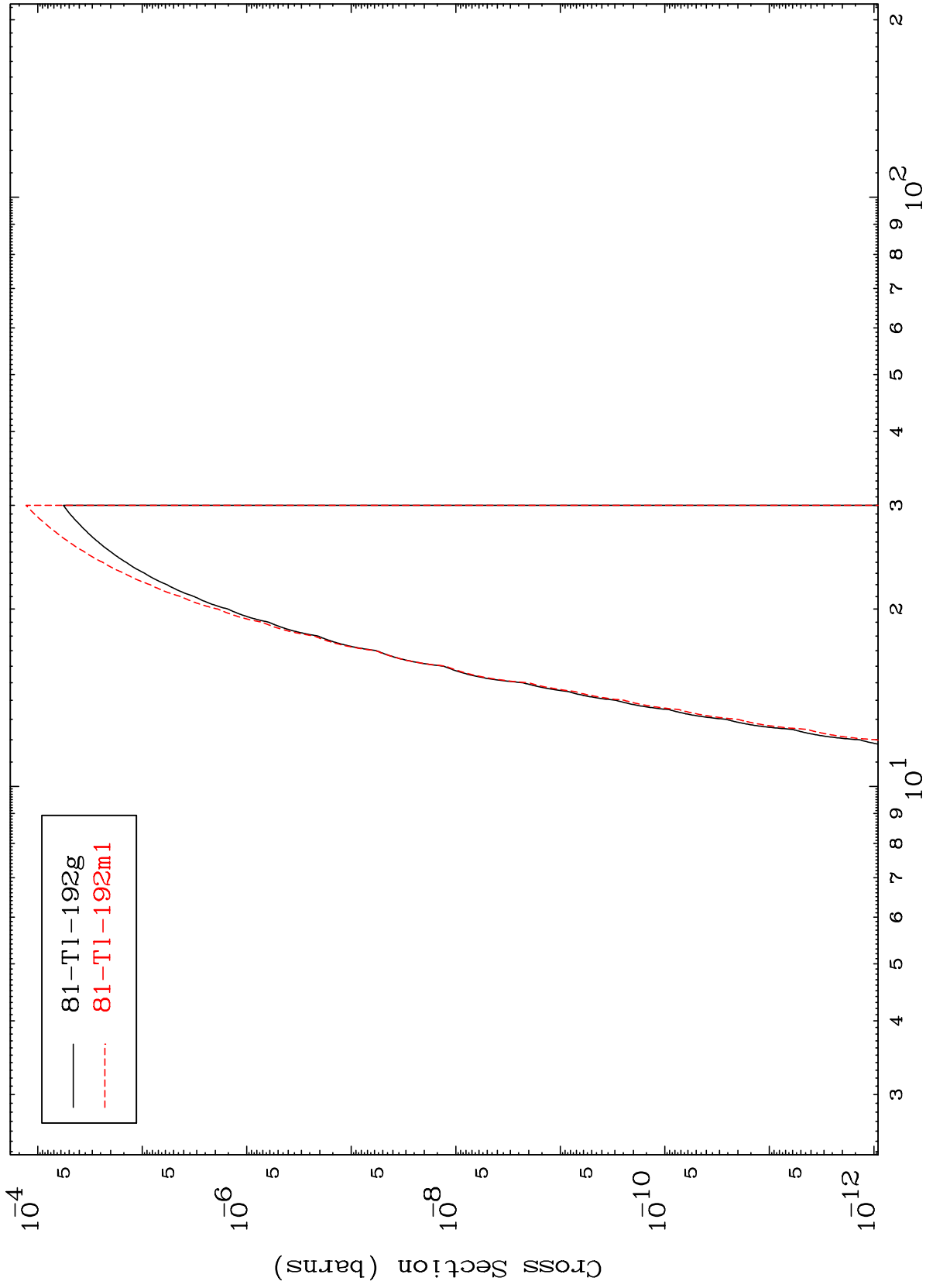
83-Bi-194

MAT 8280

(n,p) d

83-Bi-194

Radionuclide Production Cross Section



92

Incident Energy (MeV)

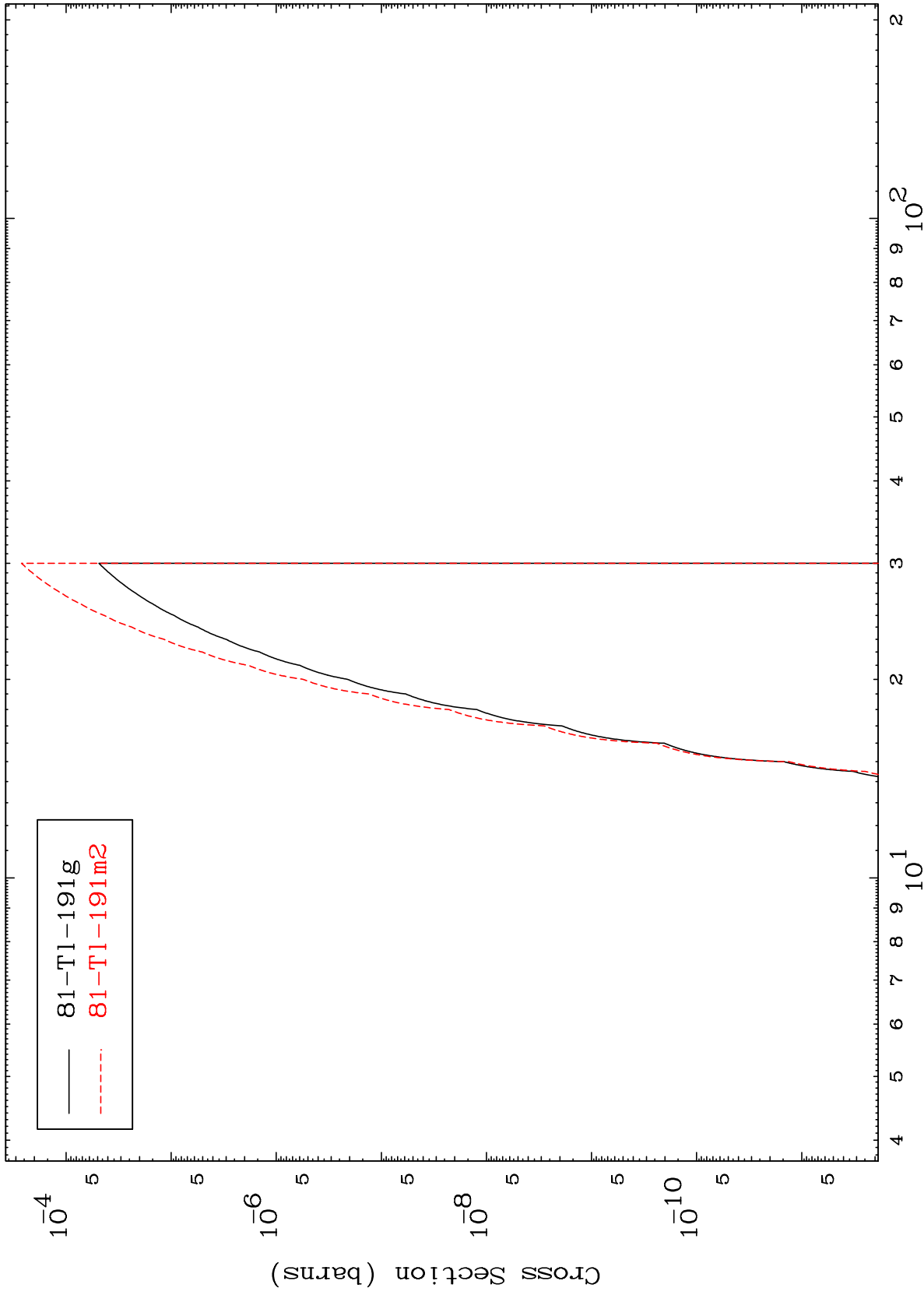
83-Bi-194

MAT 8280

(n,p) t

83-Bi-194

Radionuclide Production Cross Section



93

Incident Energy (MeV)

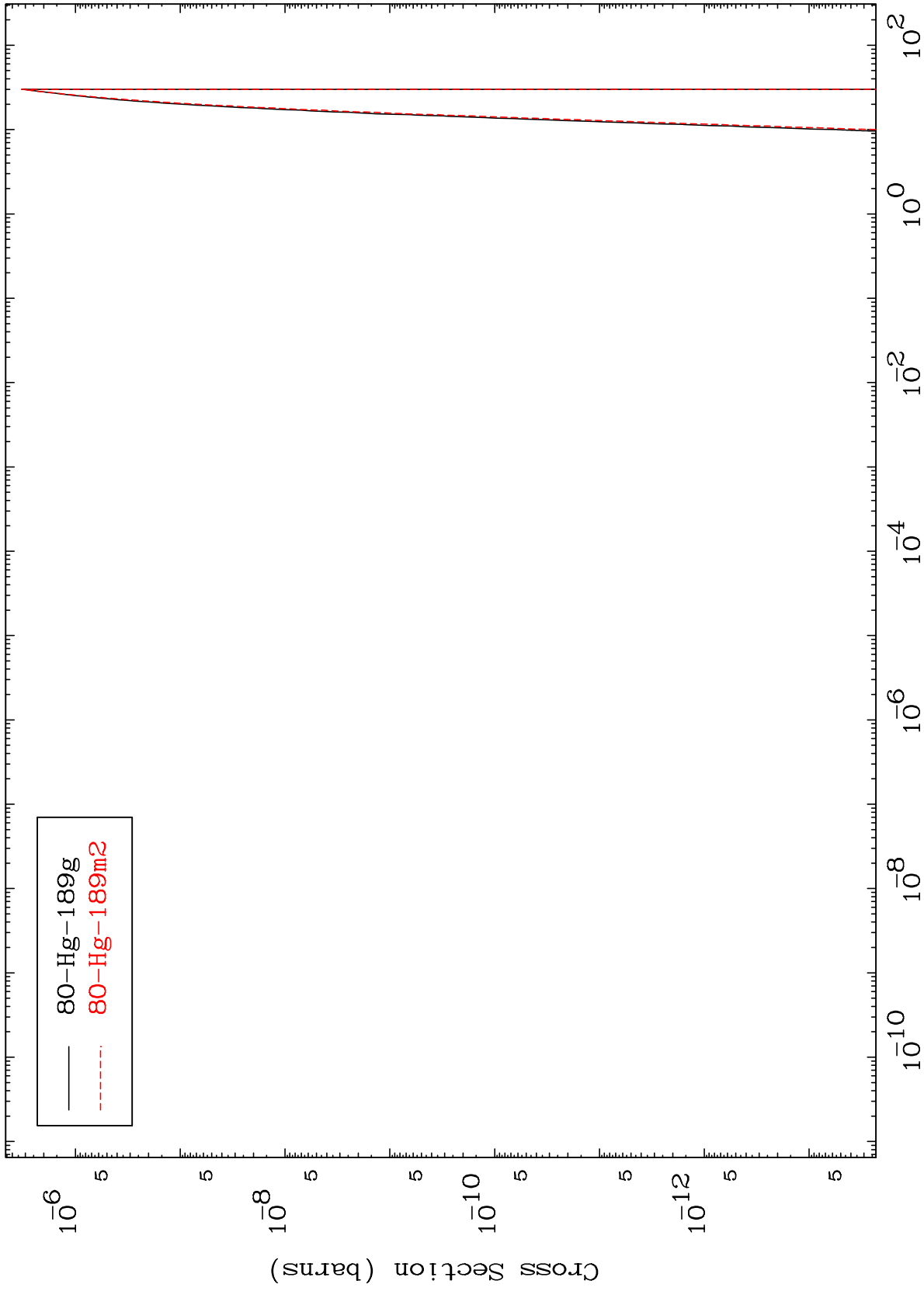
83-Bi-194

MAT 8280

(n,d)  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



94

Incident Energy (MeV)

83-Bi-194