

Program EVALPLOT
(Version 2018-1)

by

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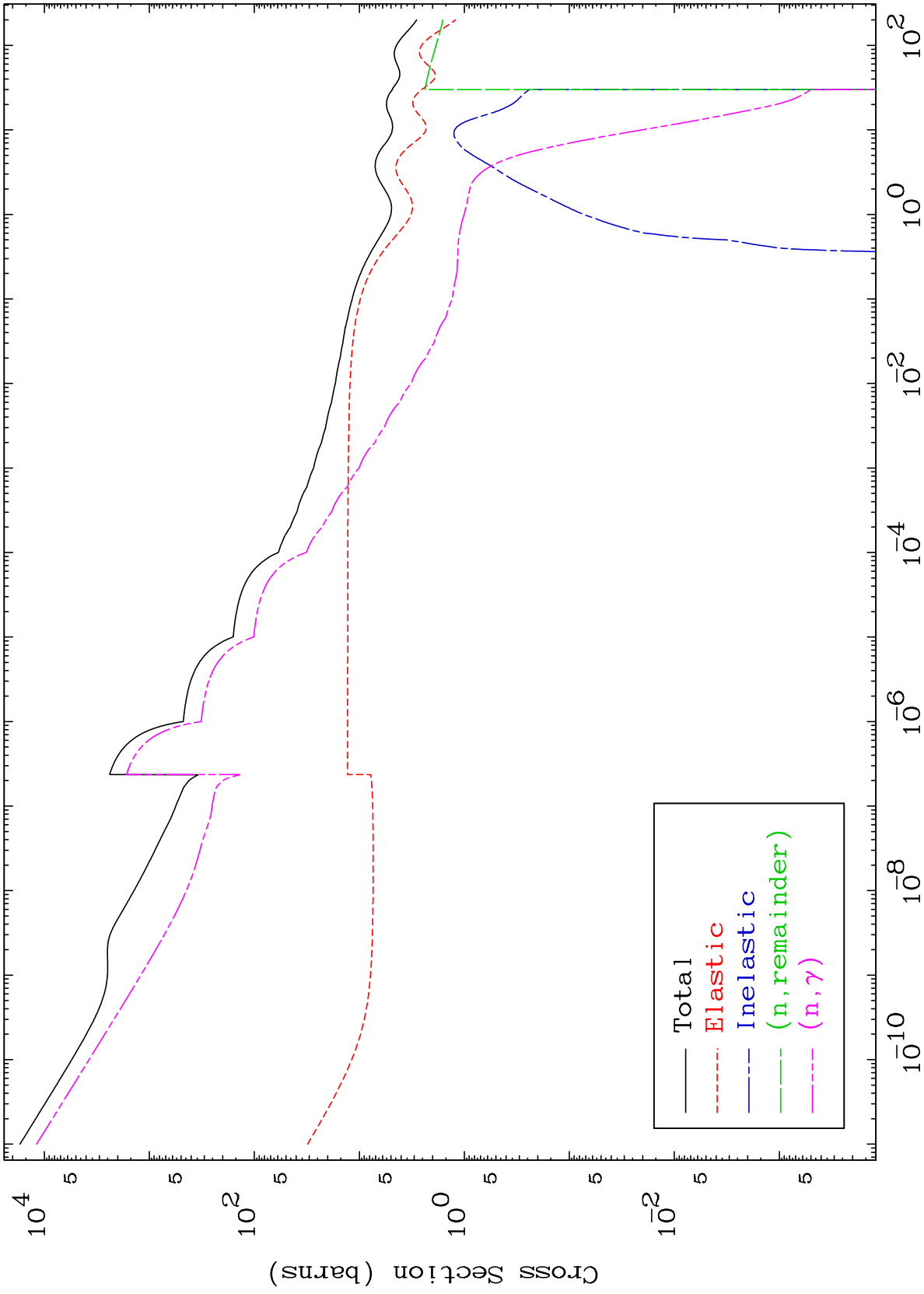
Press Mouse Button to Start

MAT 8268

Major

293 Kelvin Cross Sections

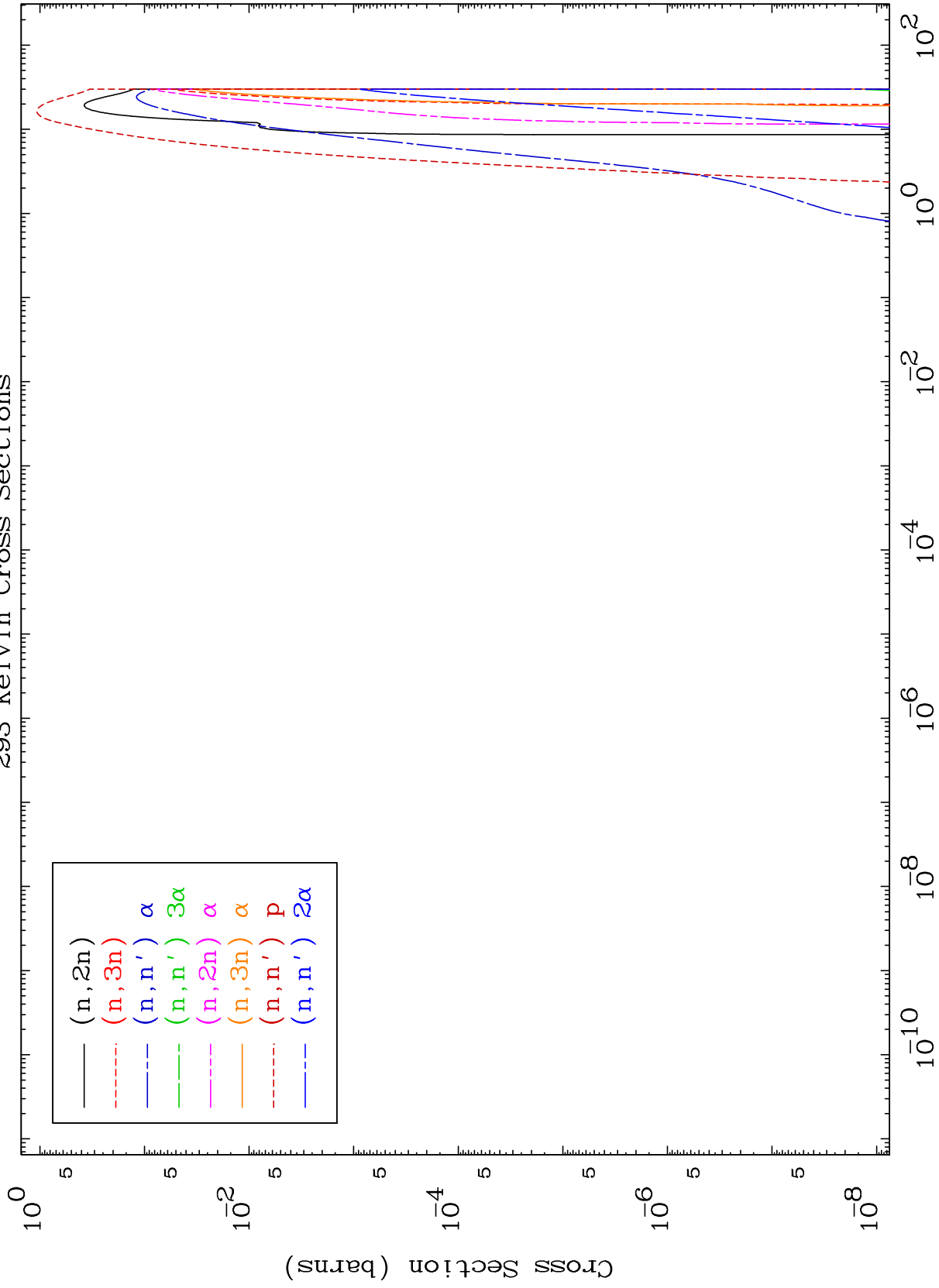
83-Bi-190



MAT 8268

Neutron Production
293 Kelvin Cross Sections

83-Bi-190



2

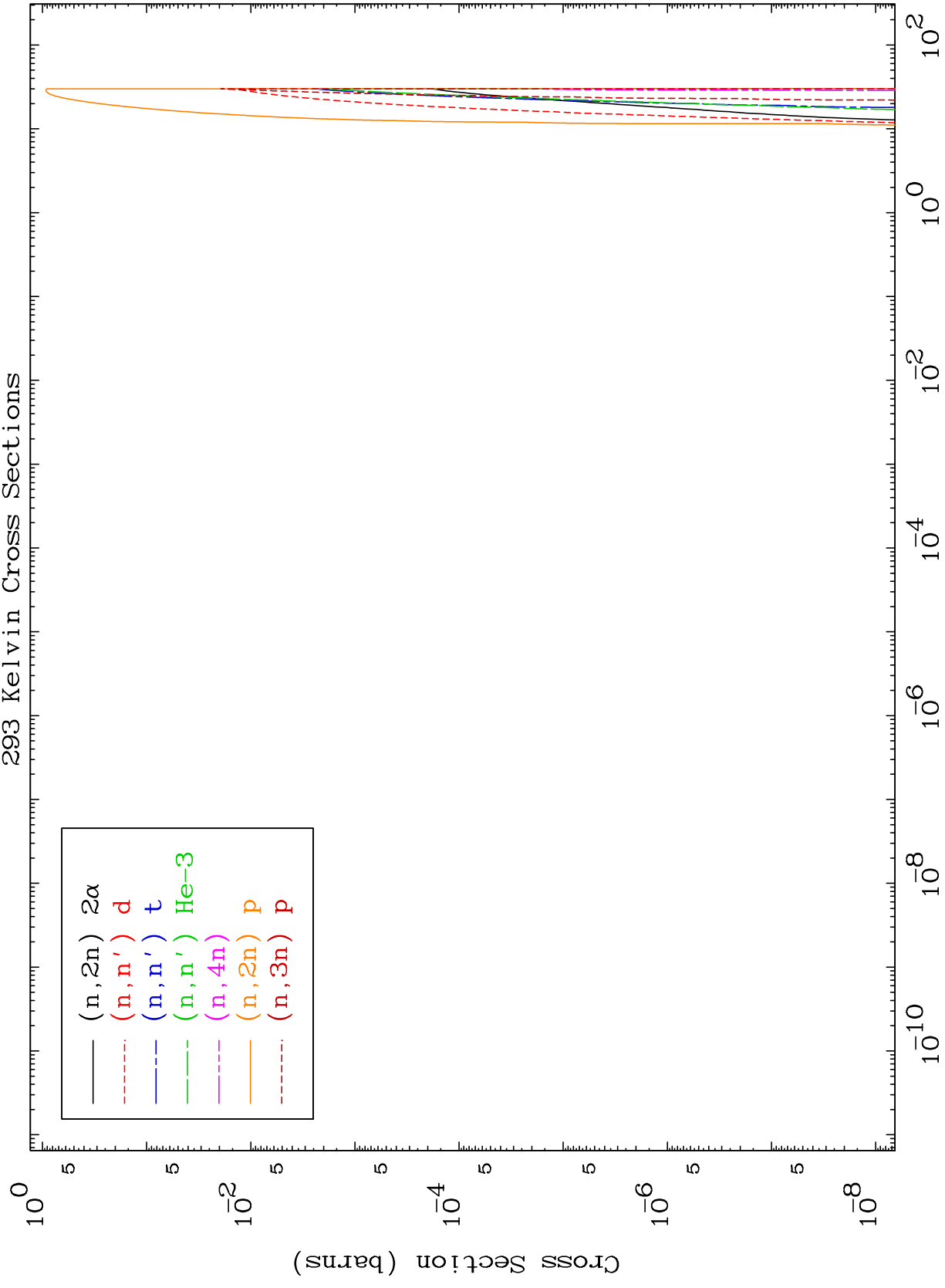
Incident Energy (MeV)

83-Bi-190

MAT 8268

Neutron Production
293 Kelvin Cross Sections

83-Bi-190

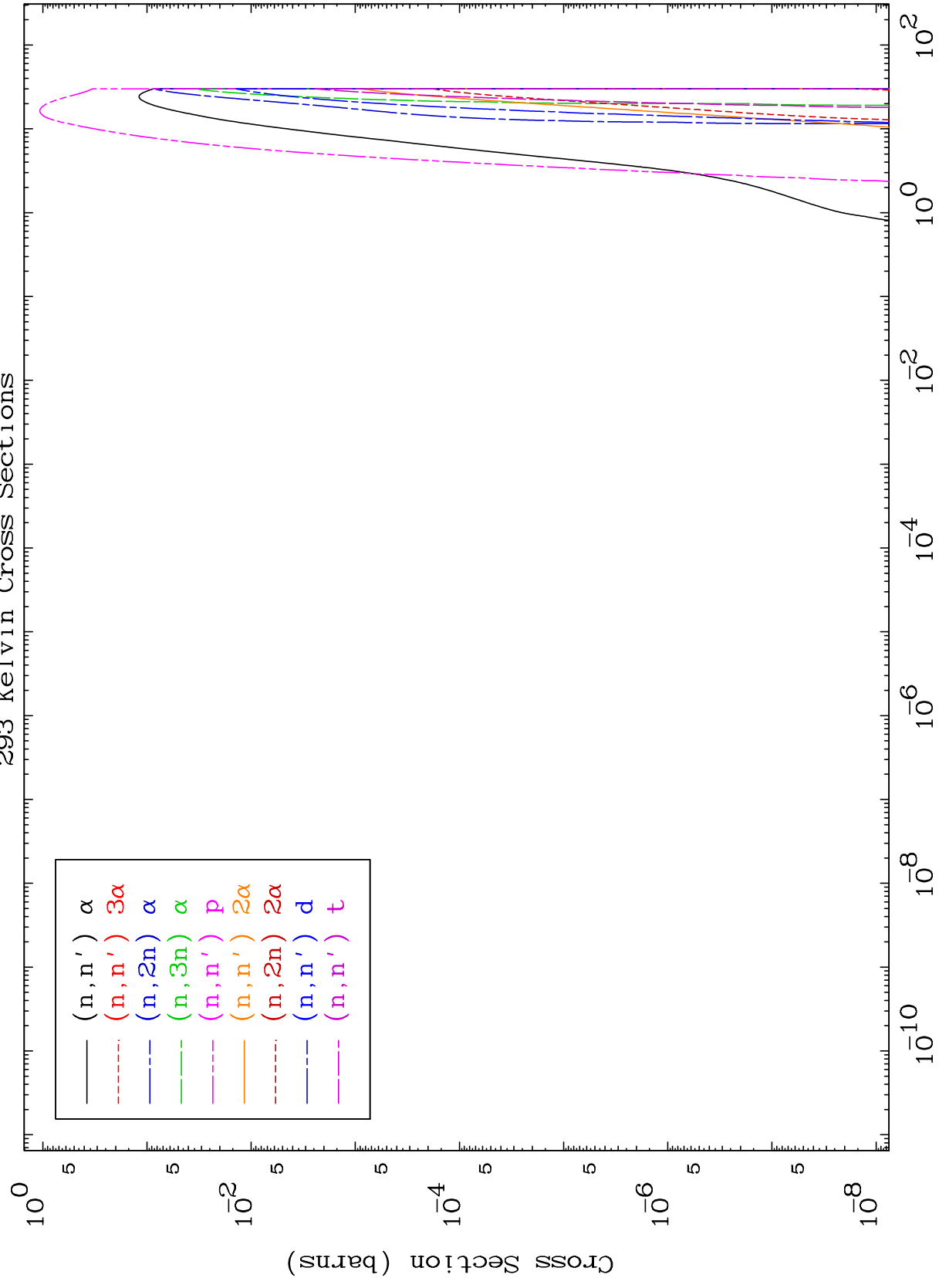


83-Bi-190

MAT 8268

293 Kelvin Cross Sections

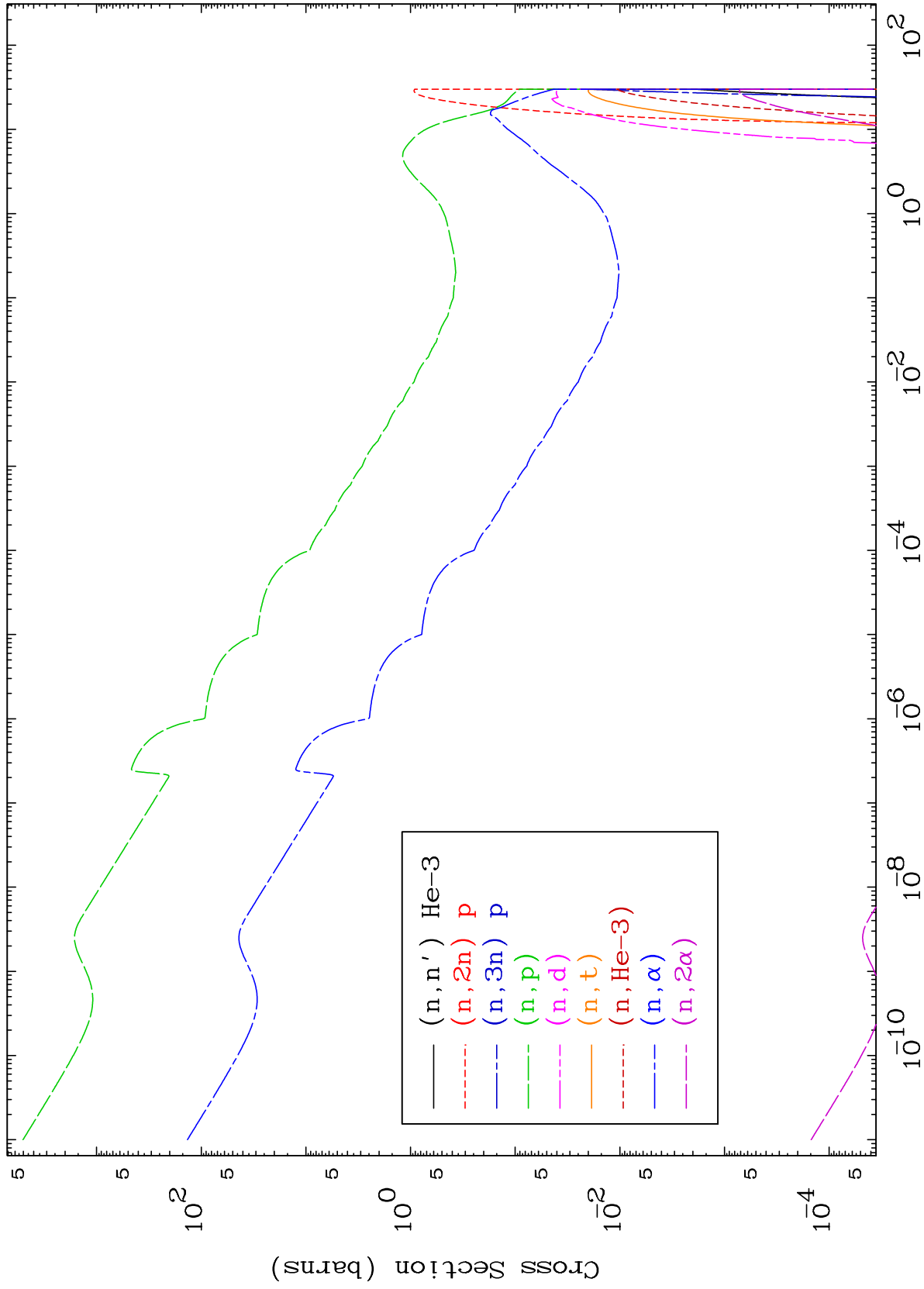
83-Bi-190



MAT 8268

Charged Particle
293 Kelvin Cross Sections

83-Bi-190



5

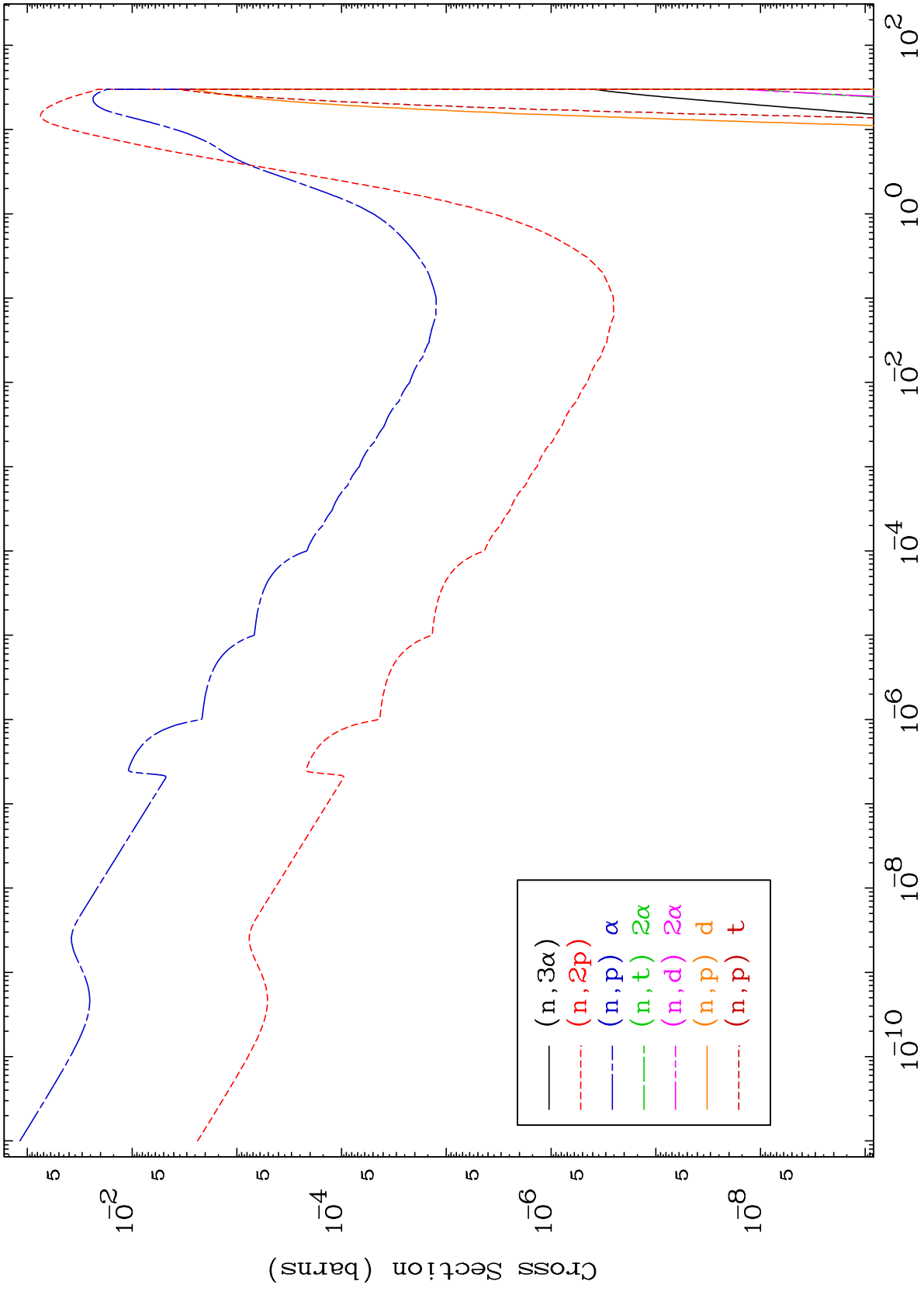
Incident Energy (MeV)

83-Bi-190

MAT 8268

293 Kelvin Cross Sections

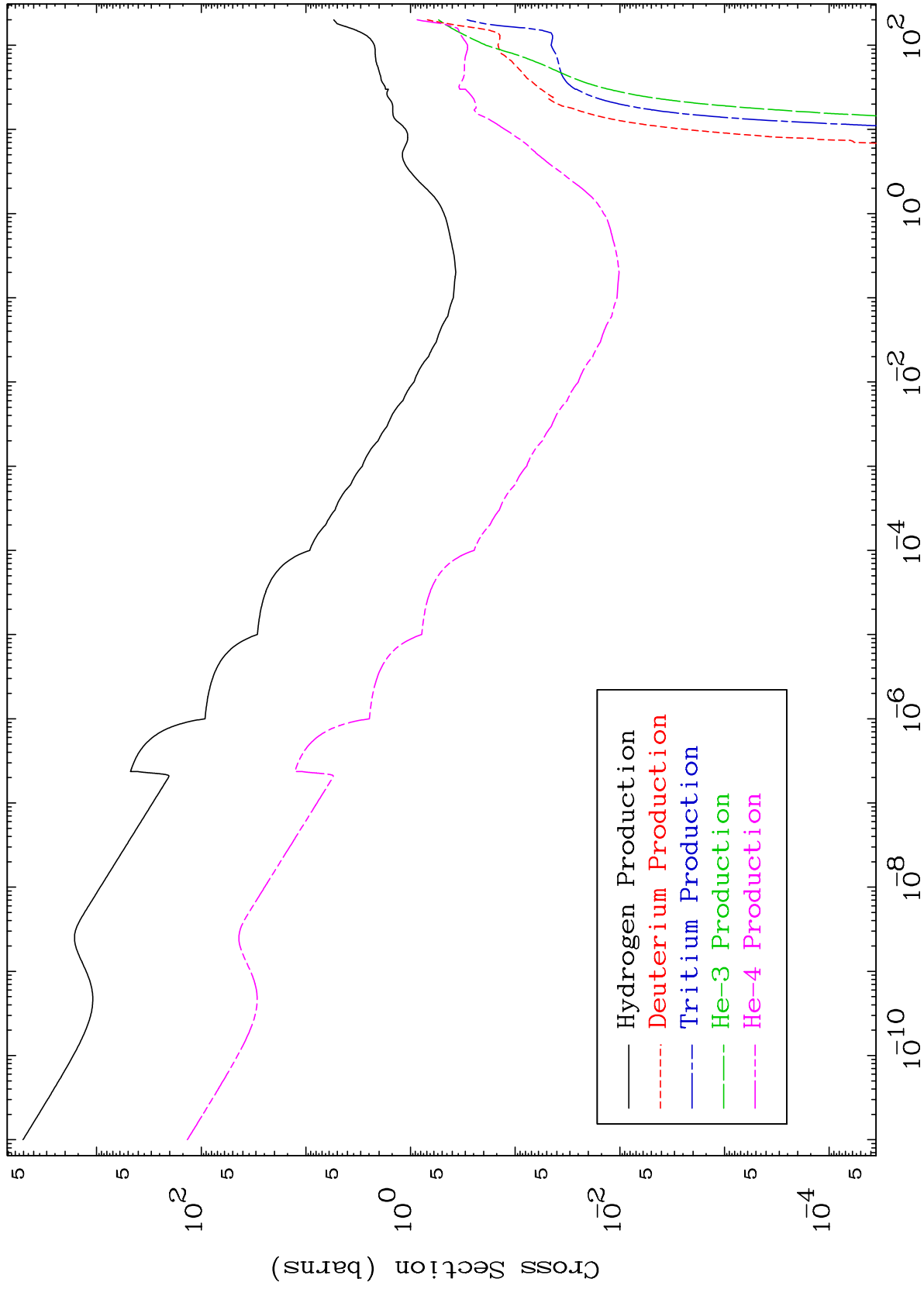
83-Bi-190



MAT 8268

Particle Production
293 Kelvin Cross Sections

83-Bi-190

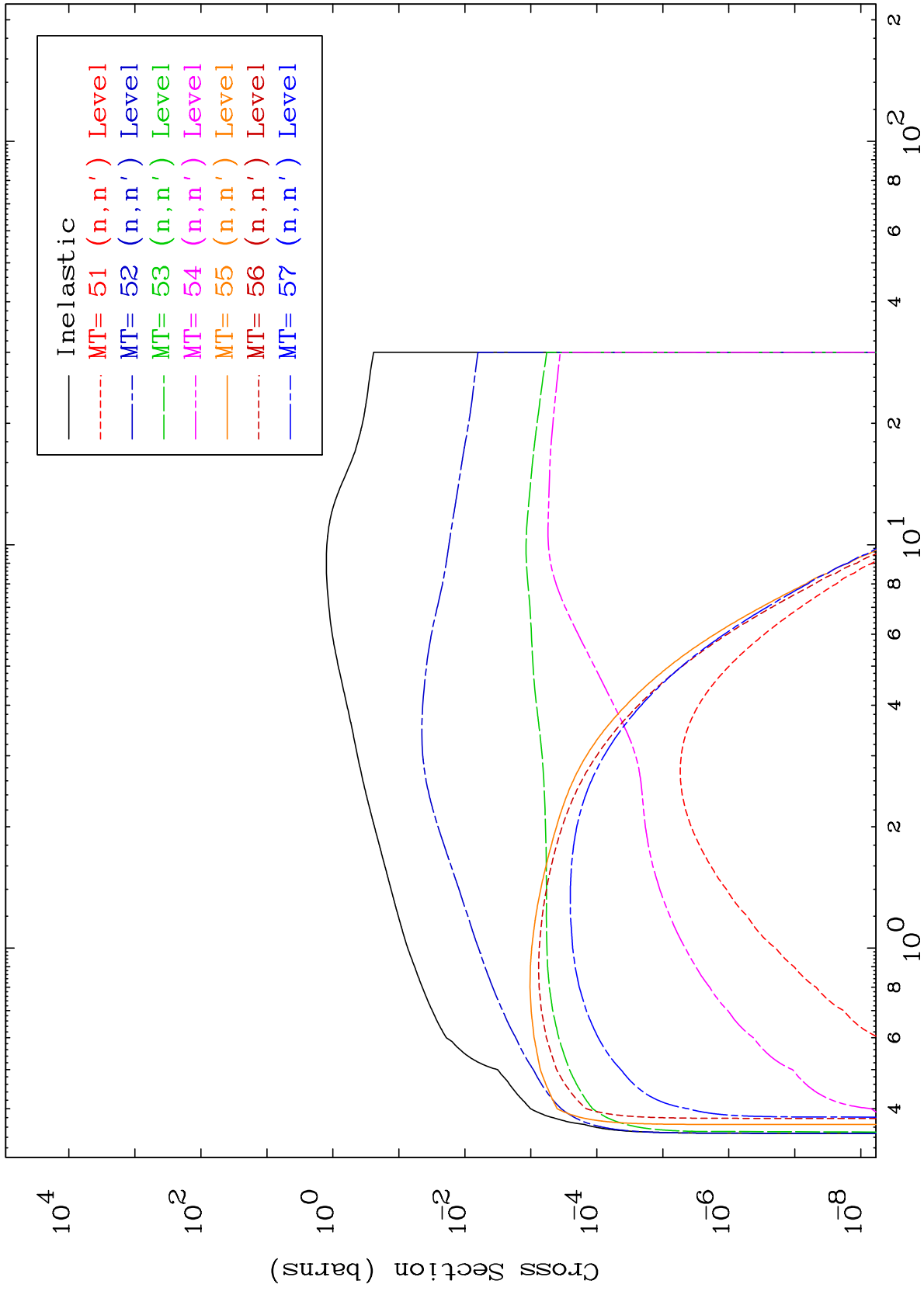


83-Bi-190

MAT 8268

(n,n') Level
293 Kelvin Cross Sections

83-Bi-190



8

Incident Energy (MeV)

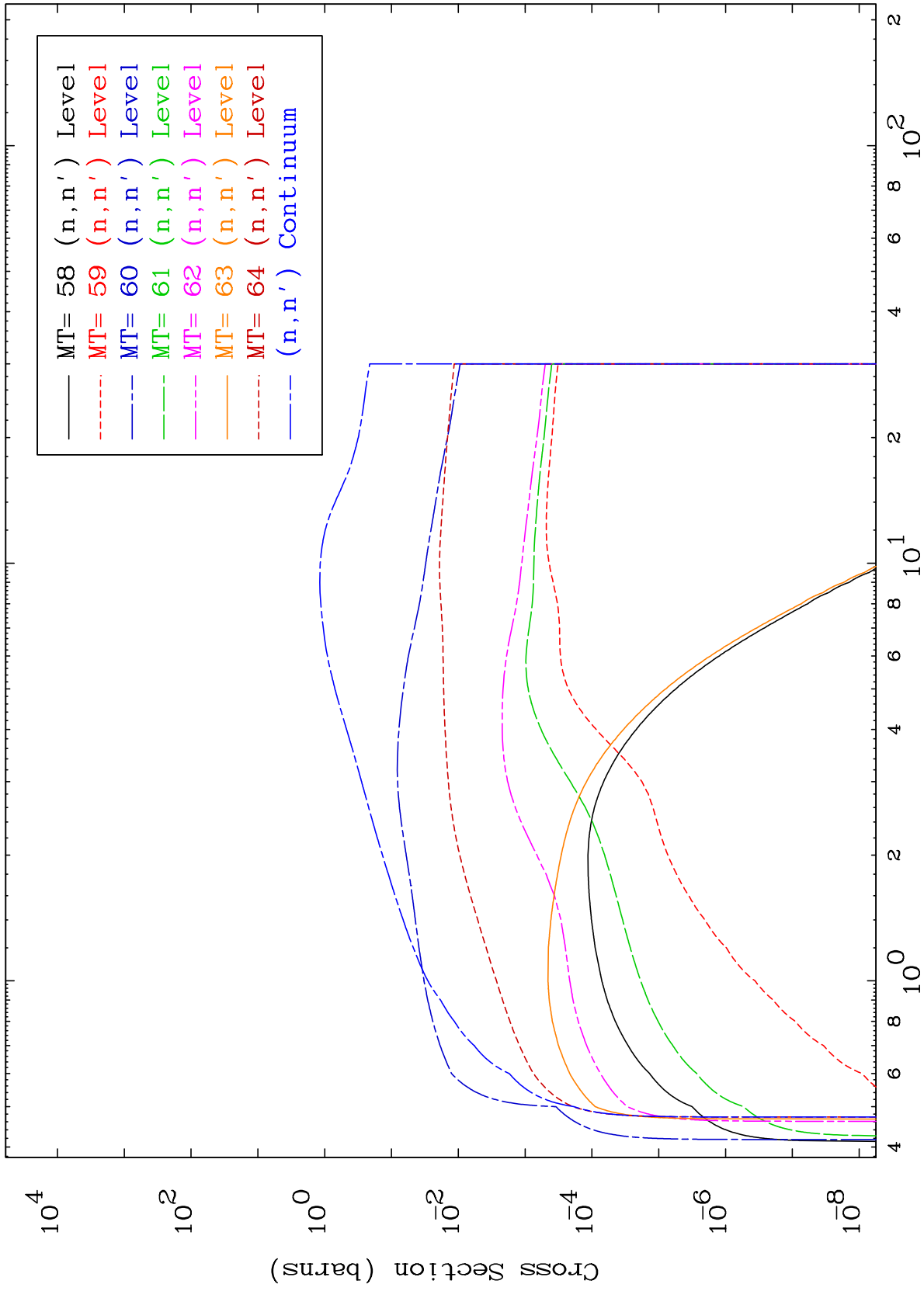
83-Bi-190

MAT 8268

(n,n') Level

83-Bi-190

293 Kelvin Cross Sections



9

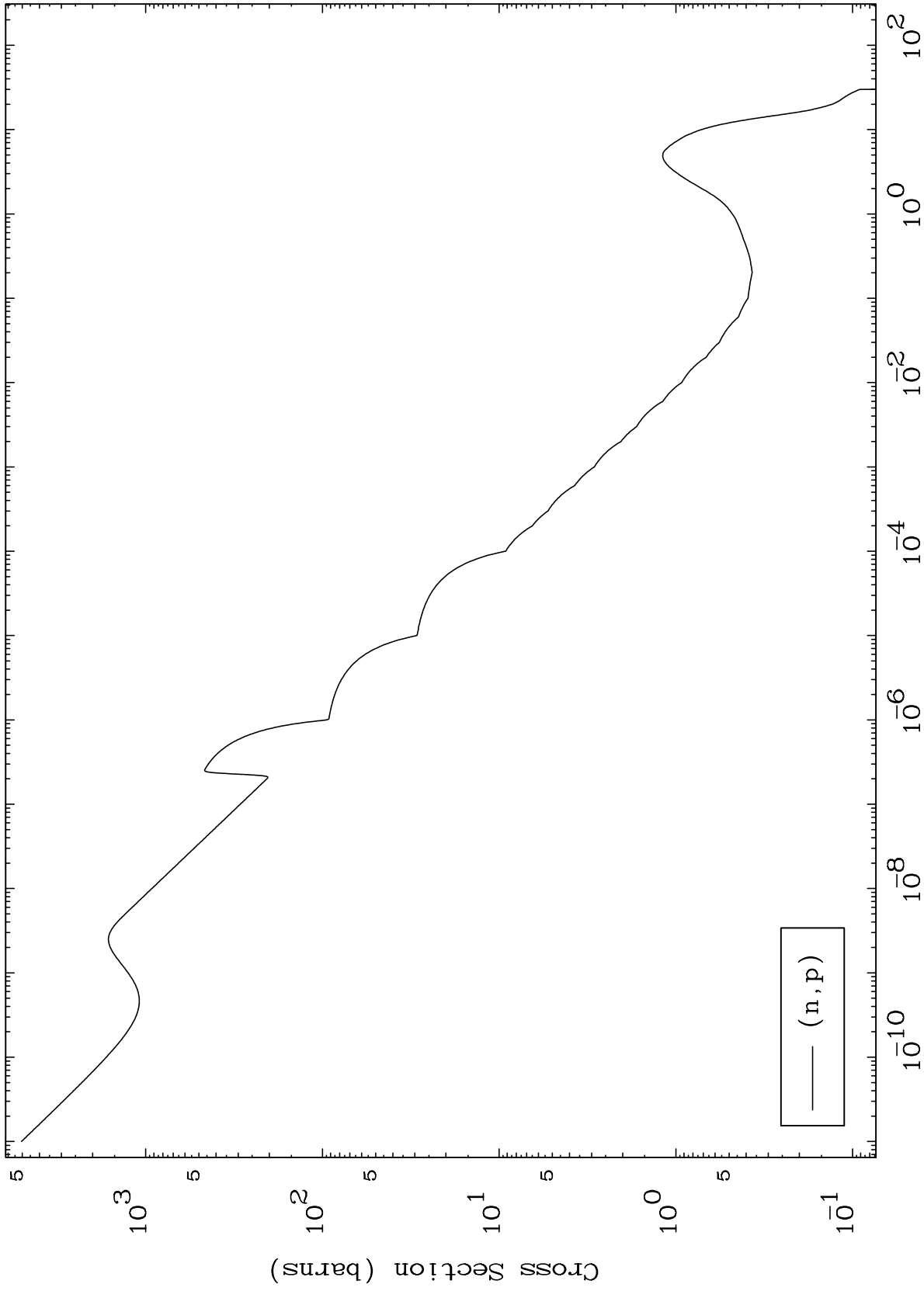
Incident Energy (MeV)

83-Bi-190

MAT 8268

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-190



10

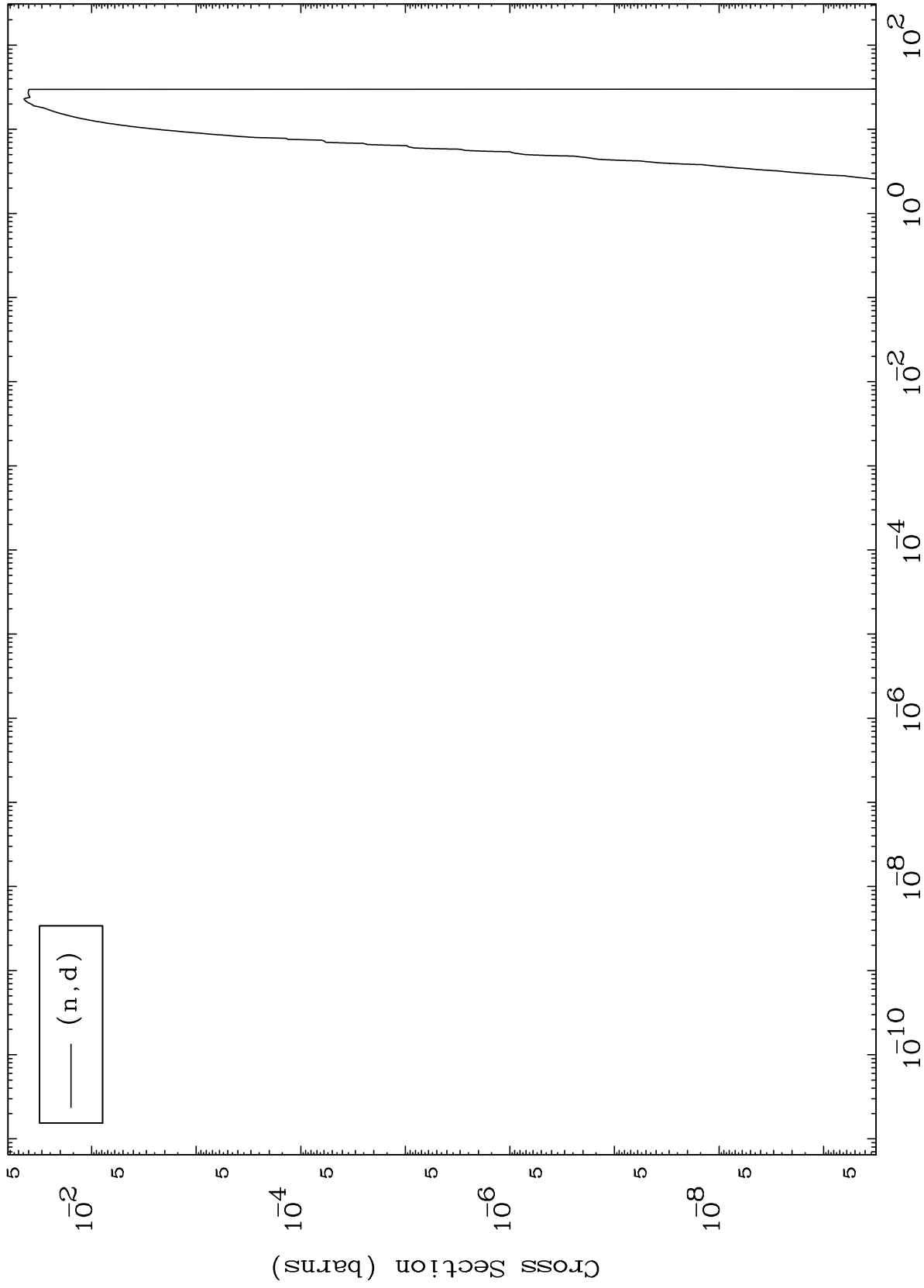
Incident Energy (MeV)

83-Bi-190

MAT 8268

(n,d) Levels
293 Kelvin Cross Sections

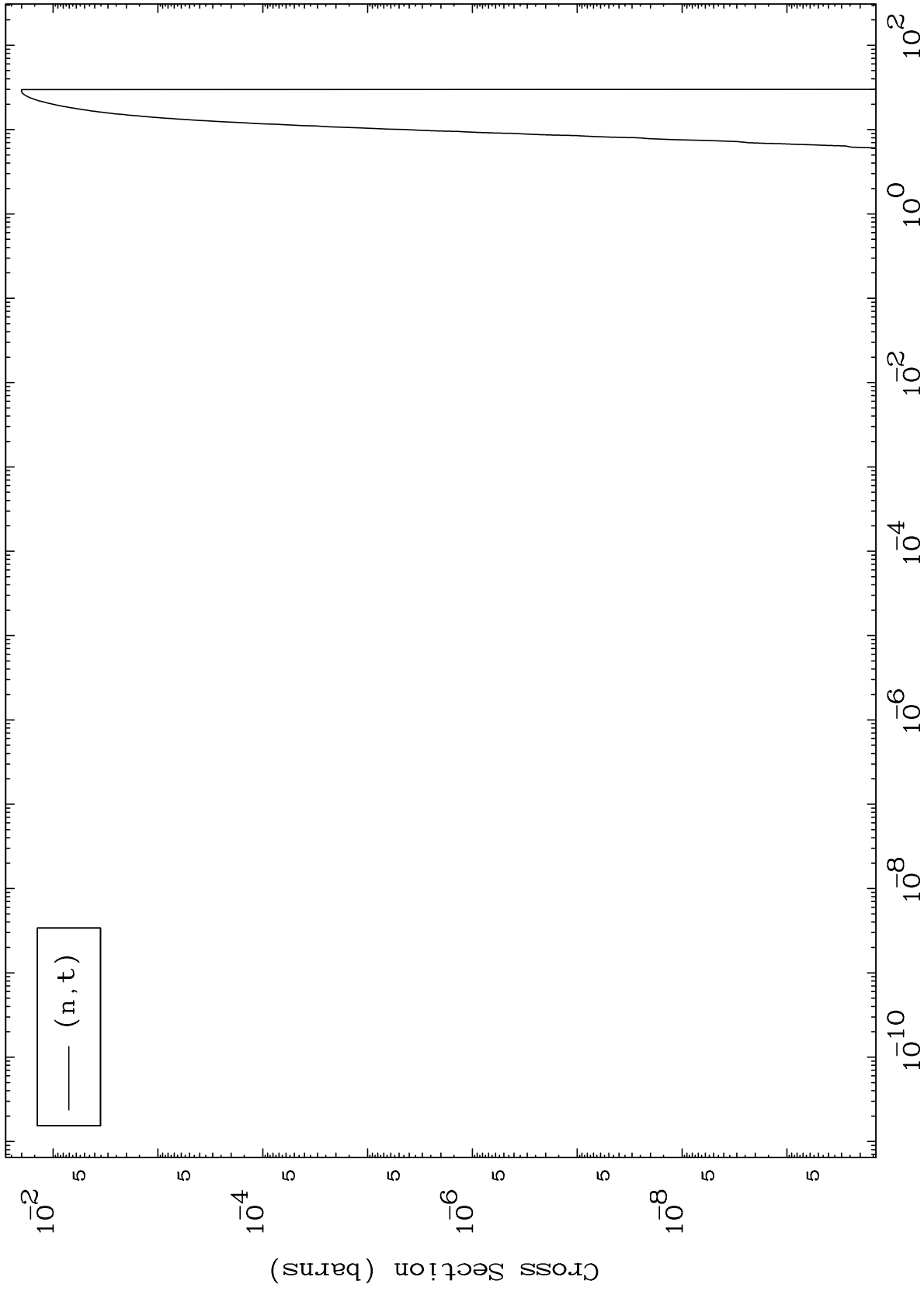
83-Bi-190



MAT 8268

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-190



12

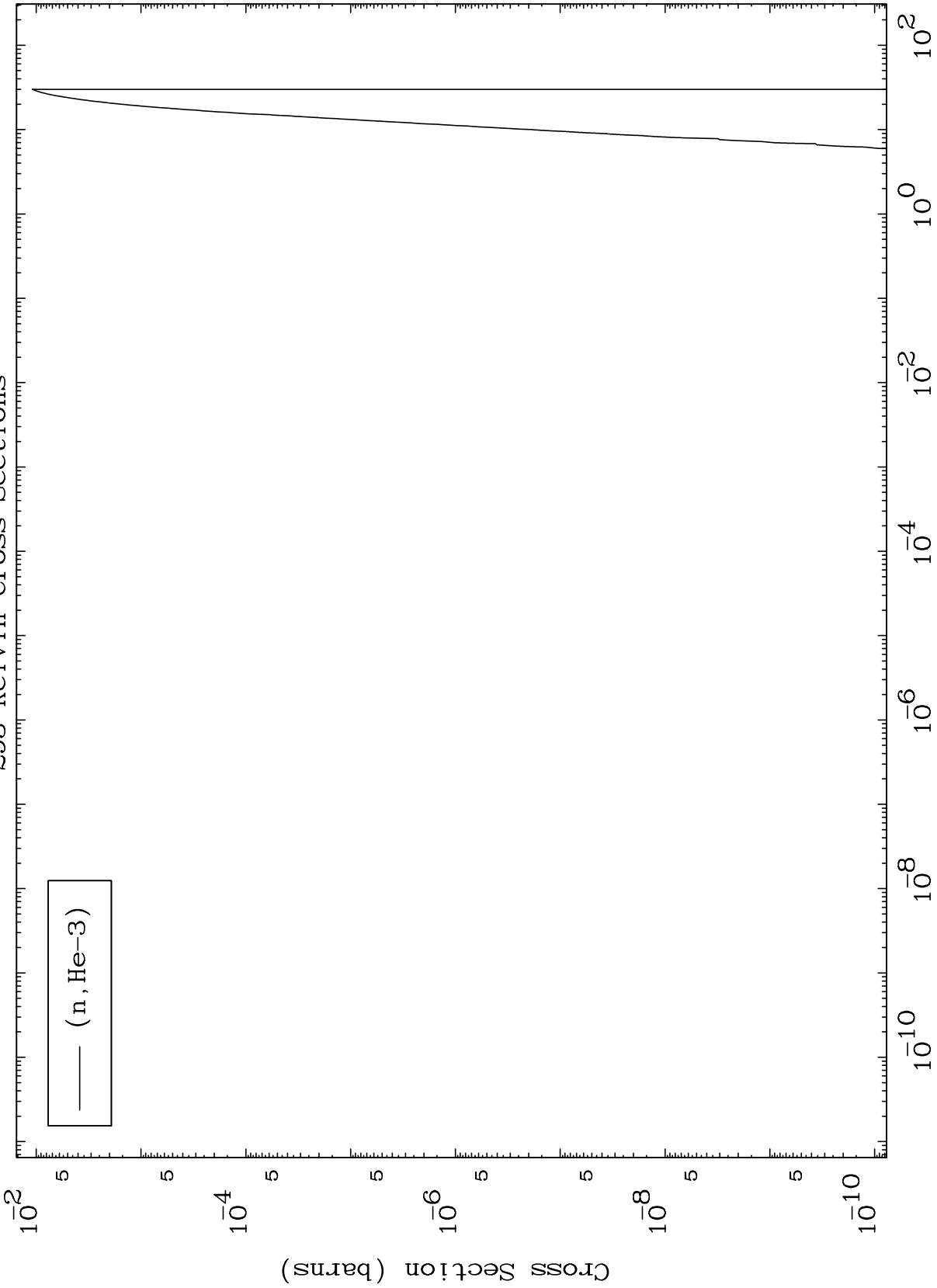
Incident Energy (MeV)

83-Bi-190

MAT 8268

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-190



13

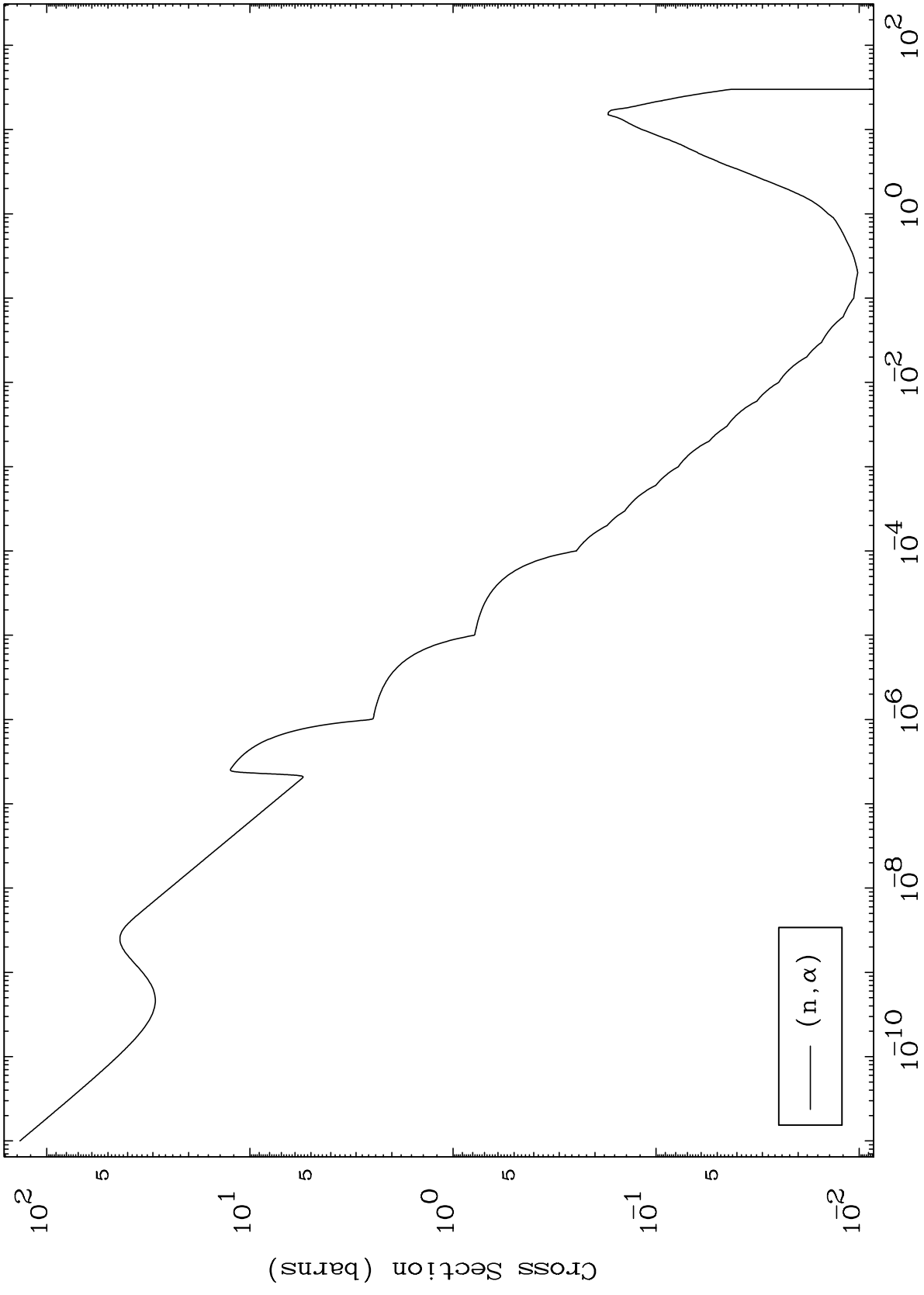
Incident Energy (MeV)

83-Bi-190

MAT 8268

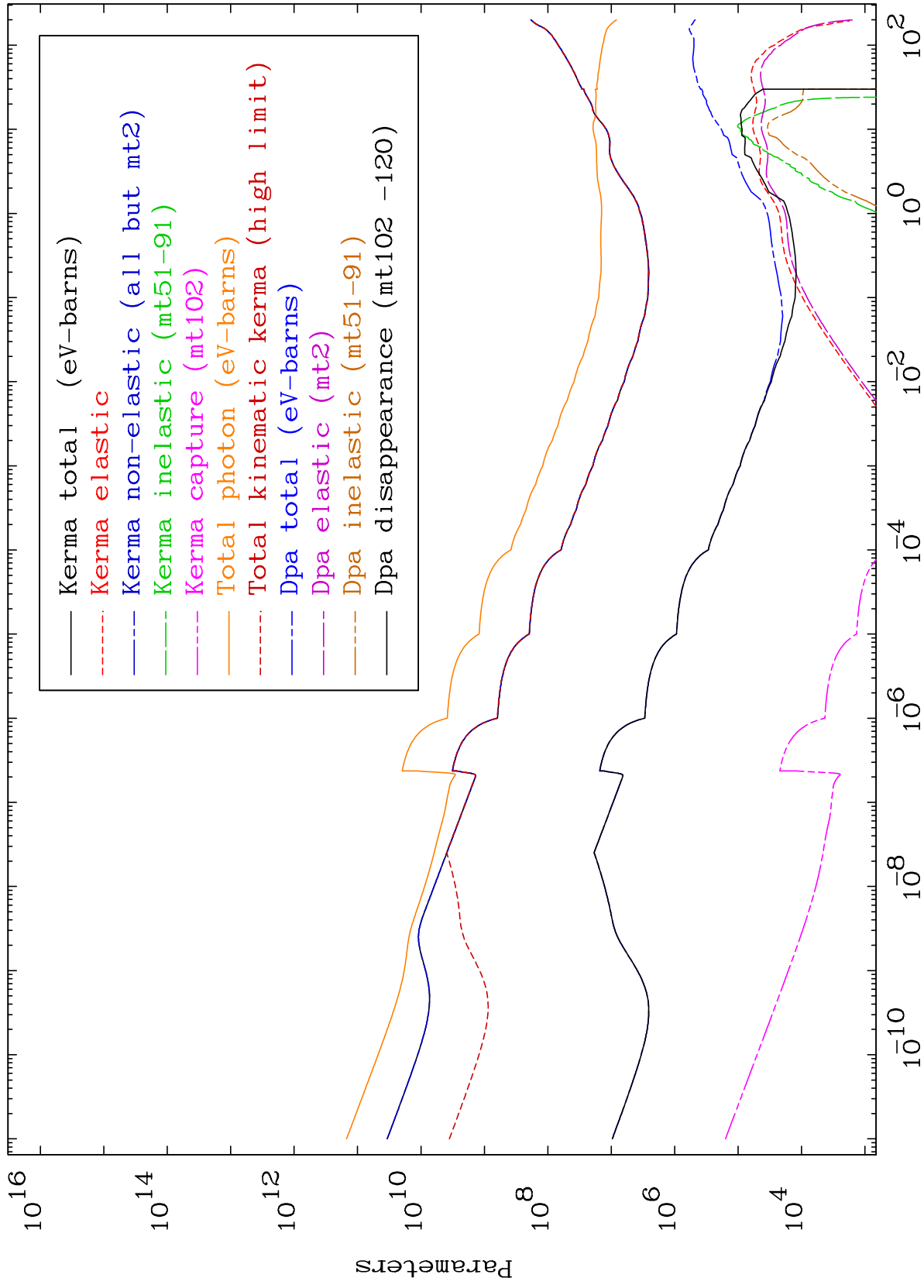
(n,α) Levels
293 Kelvin Cross Sections

83-Bi-190



— (n,α)

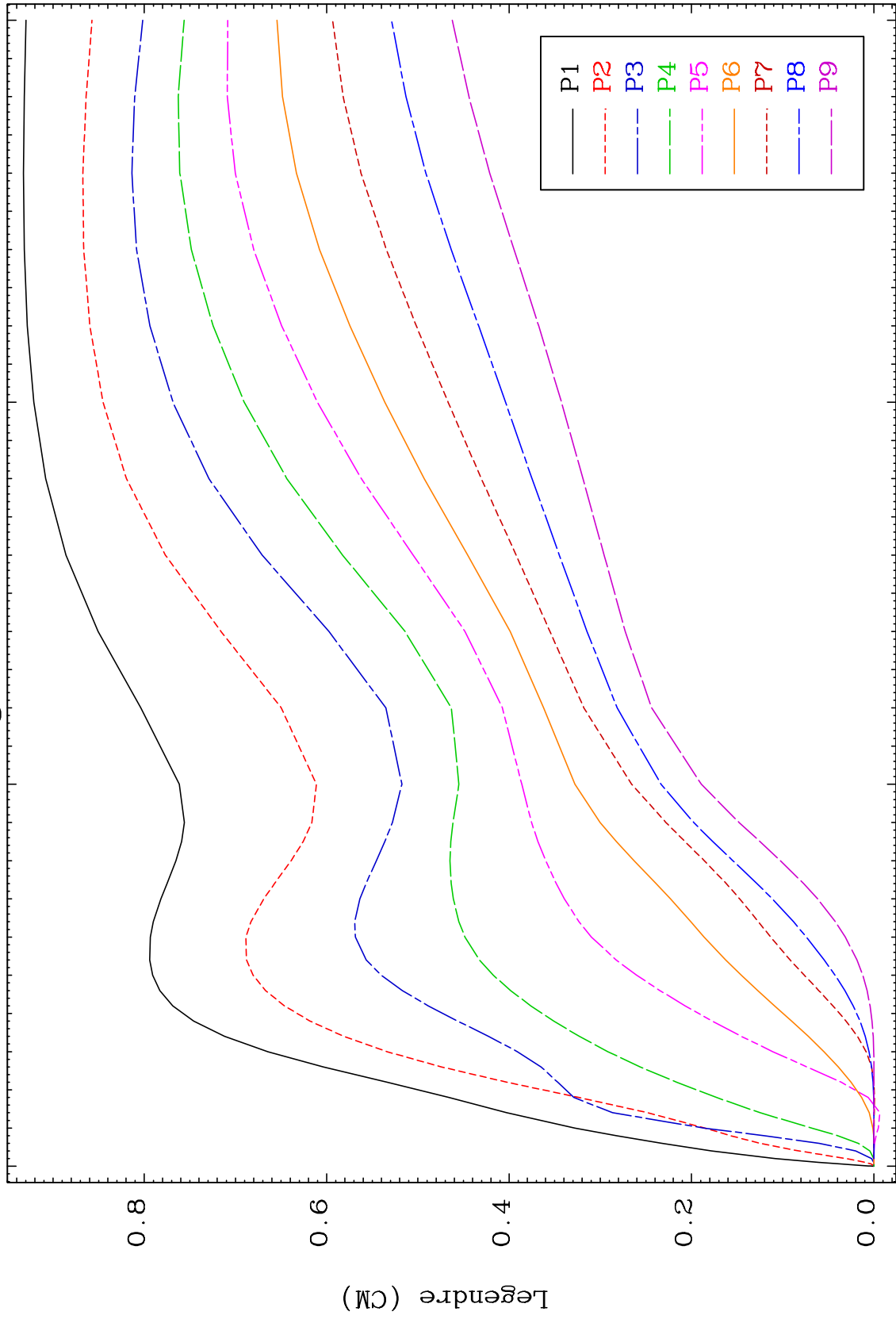
83-Bi-190



MAT 8268

Elastic Legendre Coefficients

83-Bi-190



0

16

10

20

30

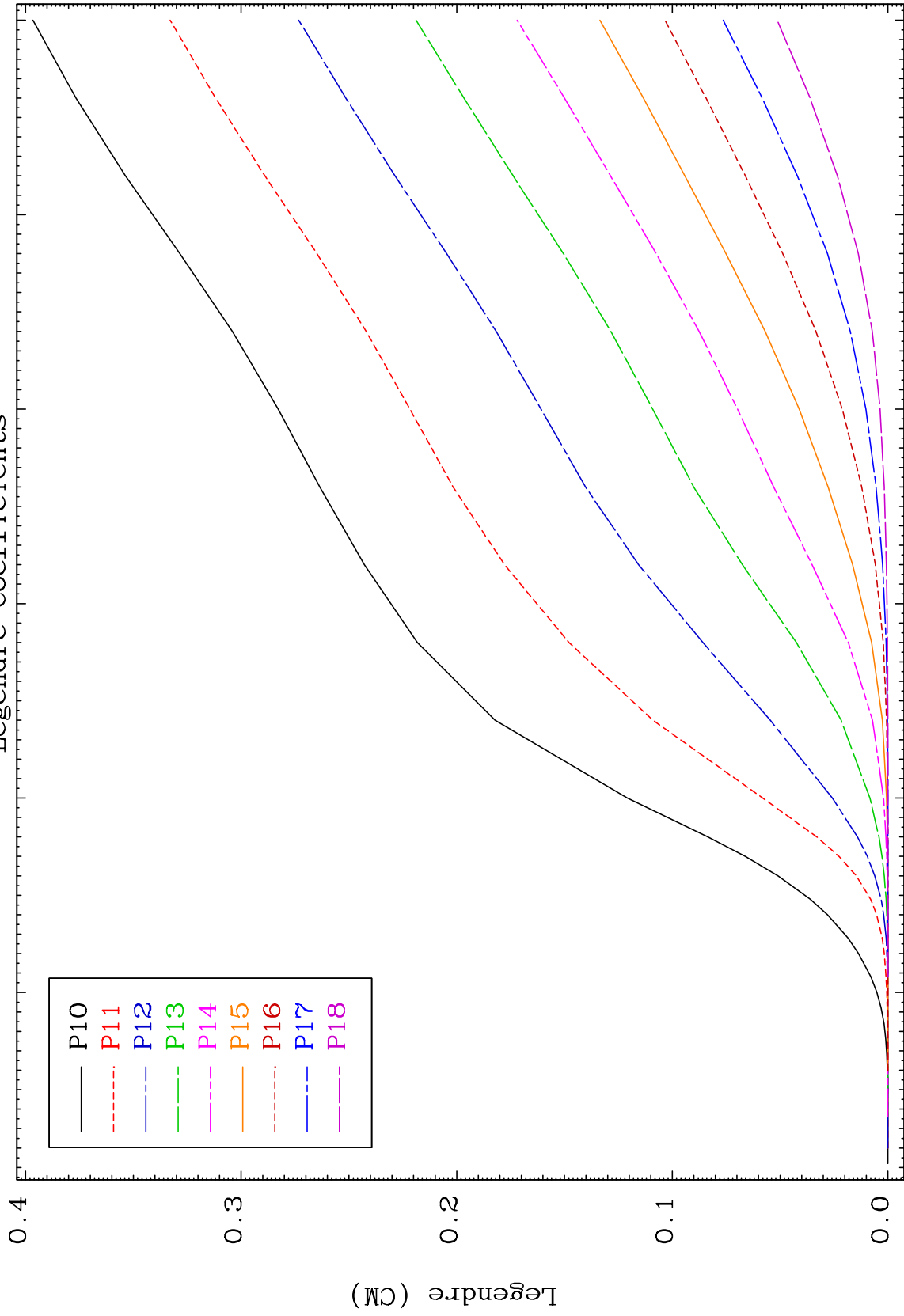
Incident Energy (MeV)

83-Bi-190

MAT 8268

Elastic Legendre Coefficients

83-Bi-190



17

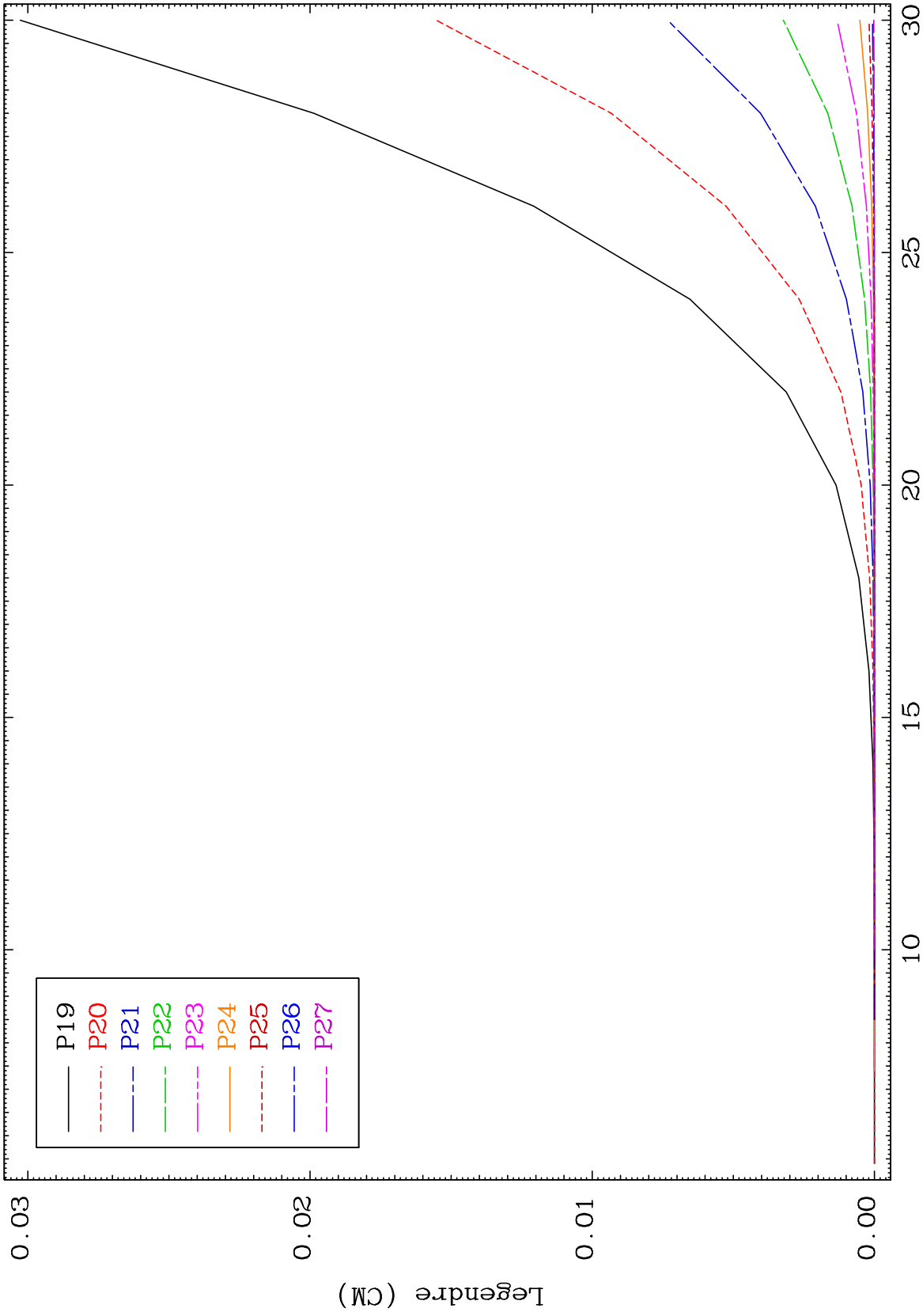
Incident Energy (MeV)

83-Bi-190

MAT 8268

Elastic Legendre Coefficients

83-Bi-190



18

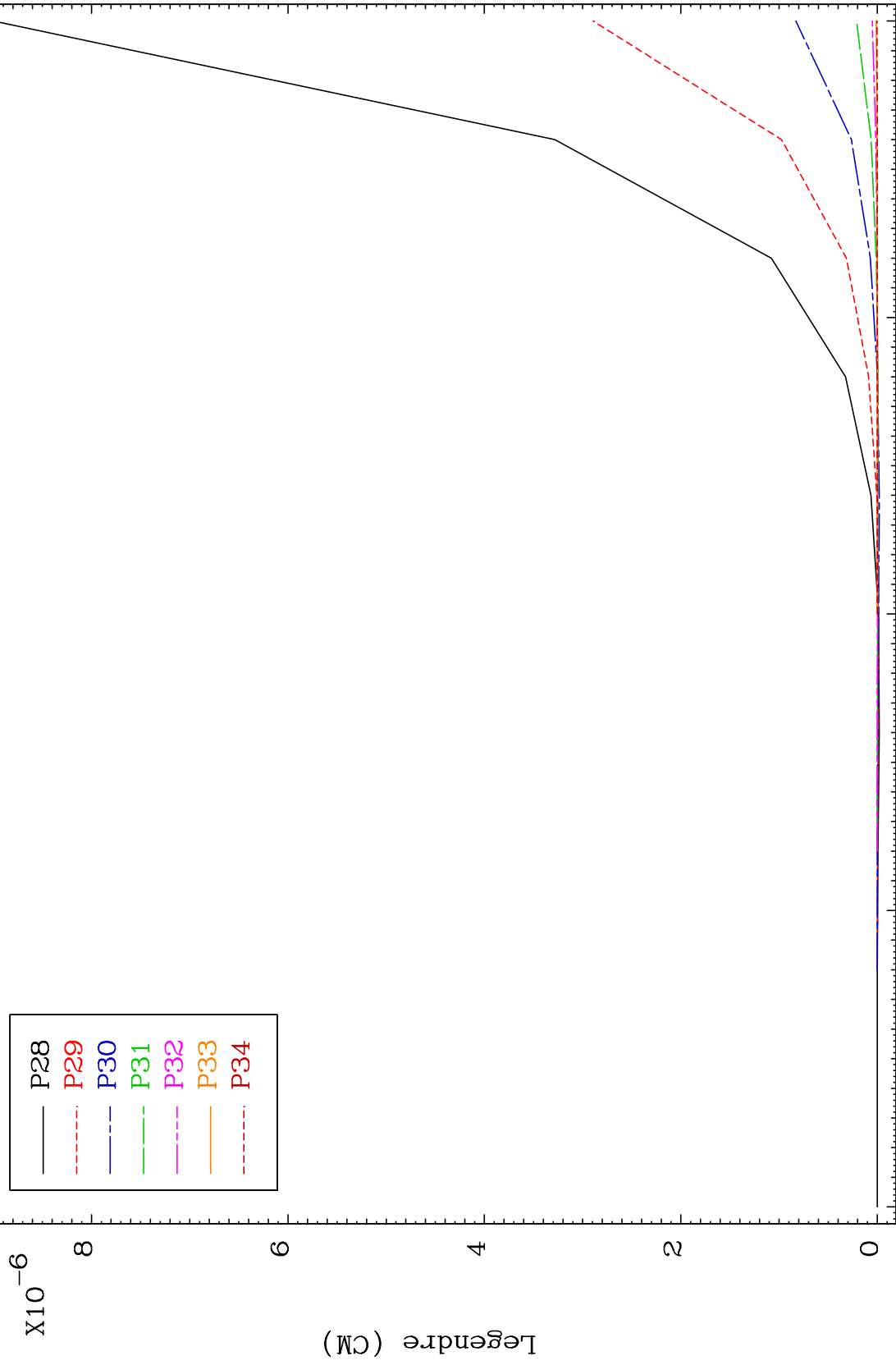
Incident Energy (MeV)

83-Bi-190

MAT 8268

Elastic Legendre Coefficients

83-Bi-190



19

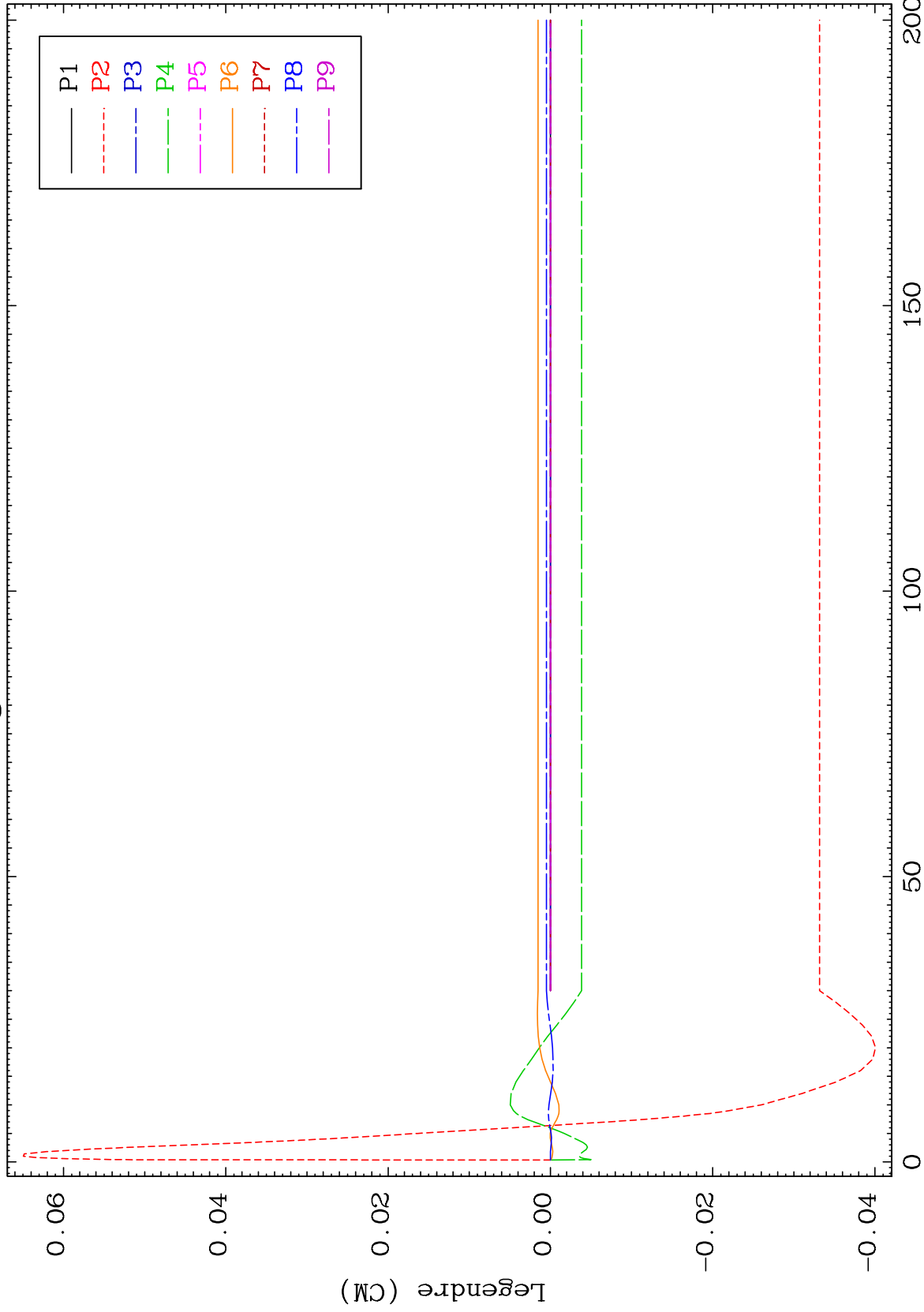
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



83-Bi-190

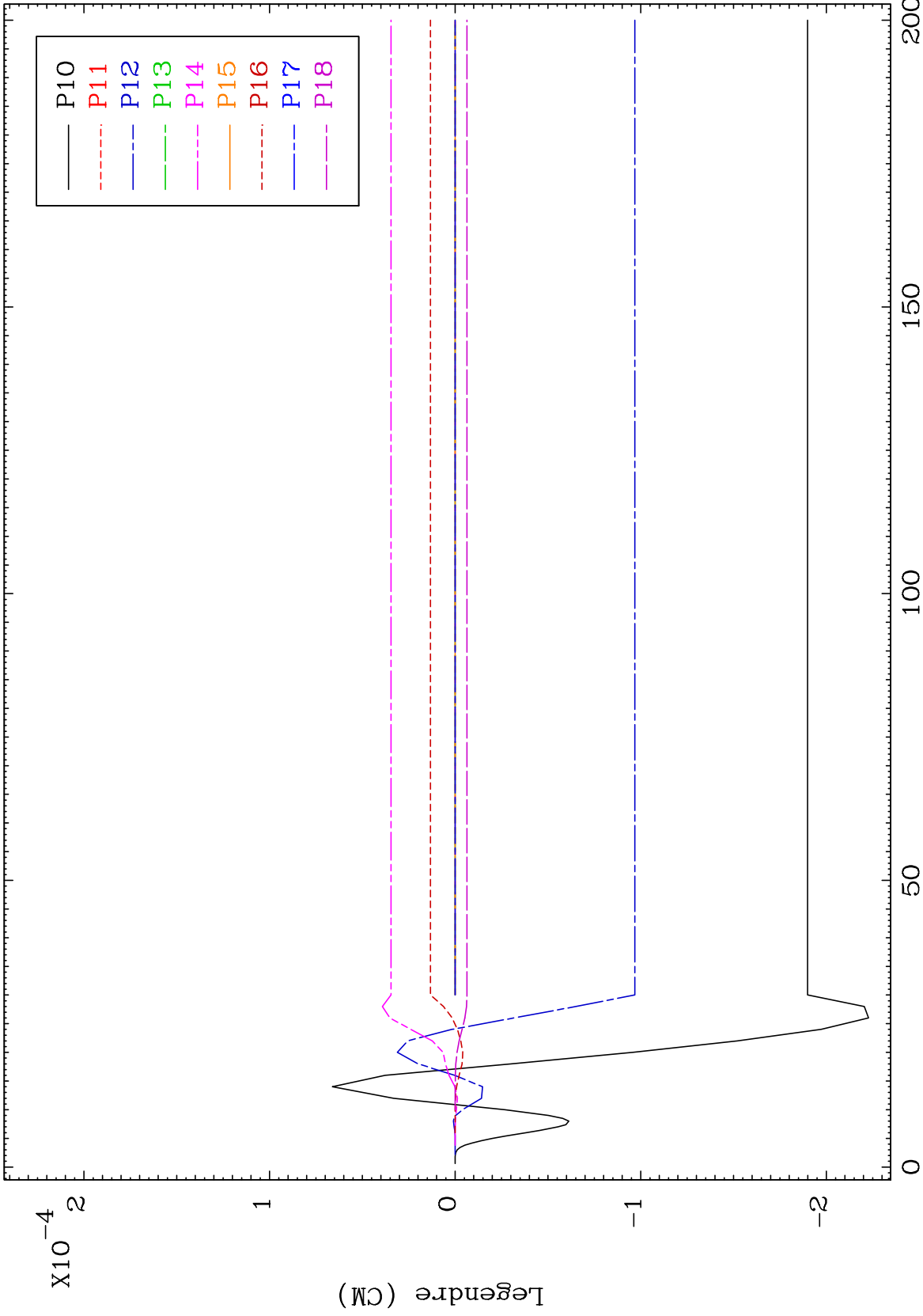
Incident Energy (MeV)

20

MAT 8268

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

83-Bi-190



21

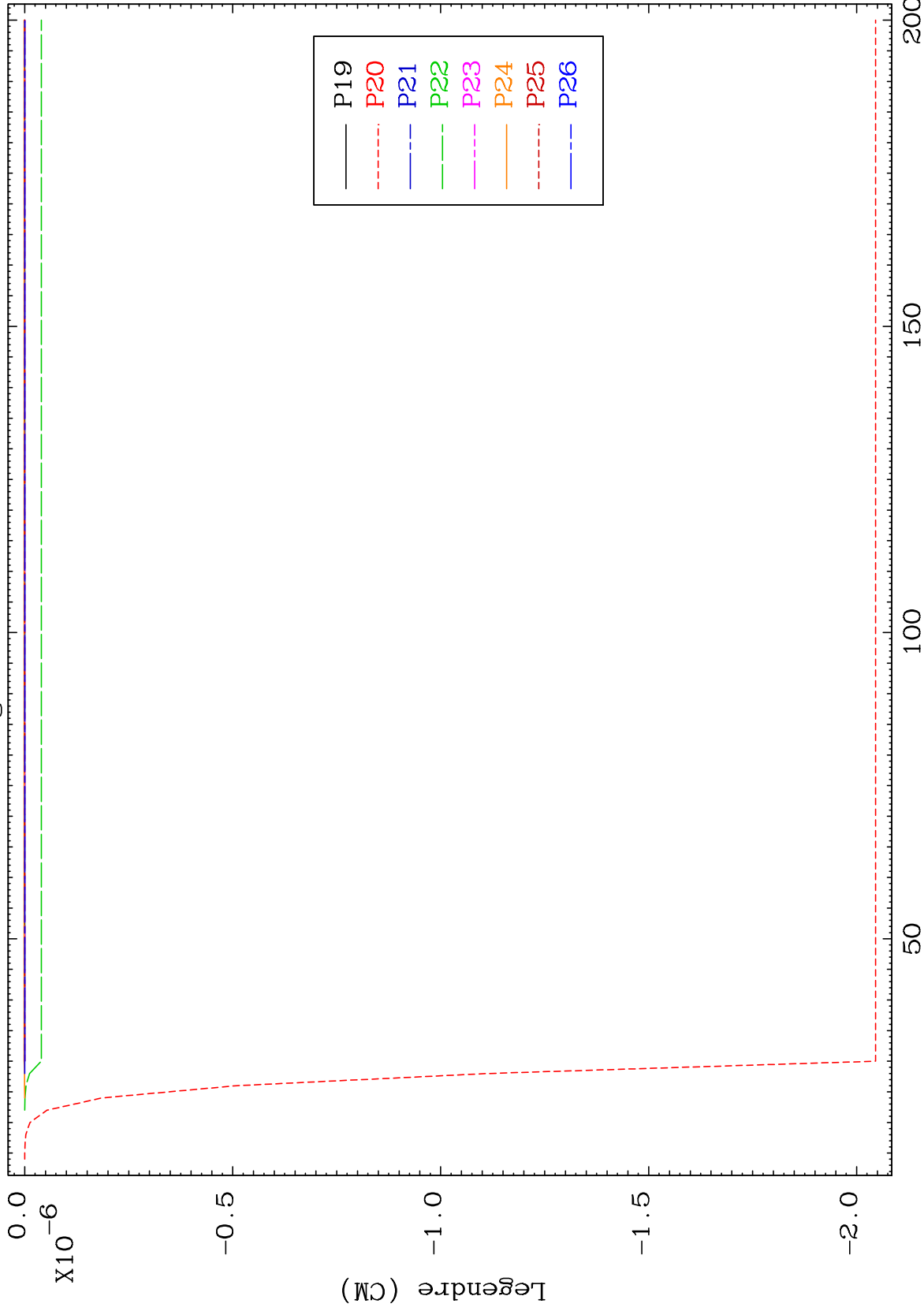
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



22

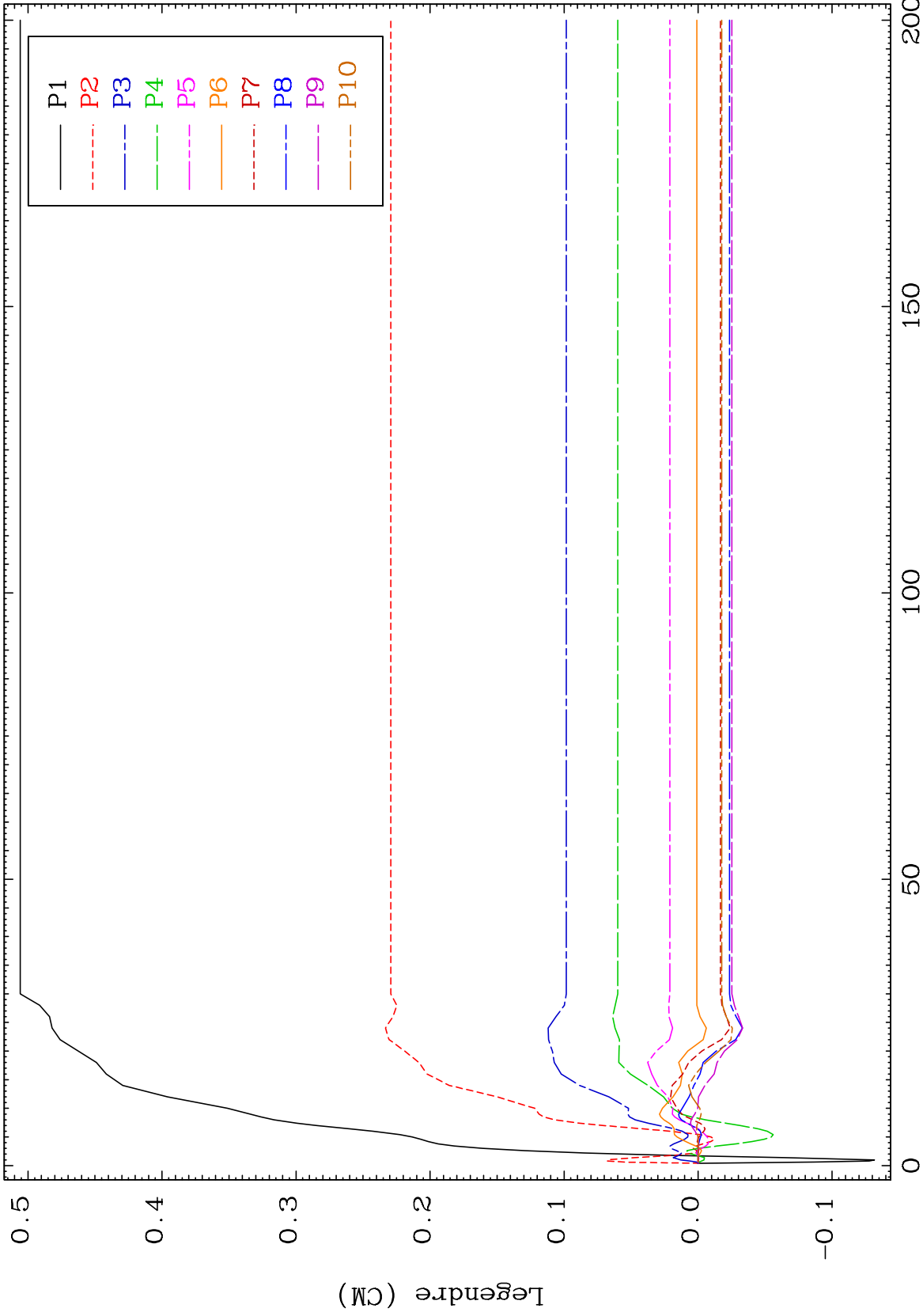
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



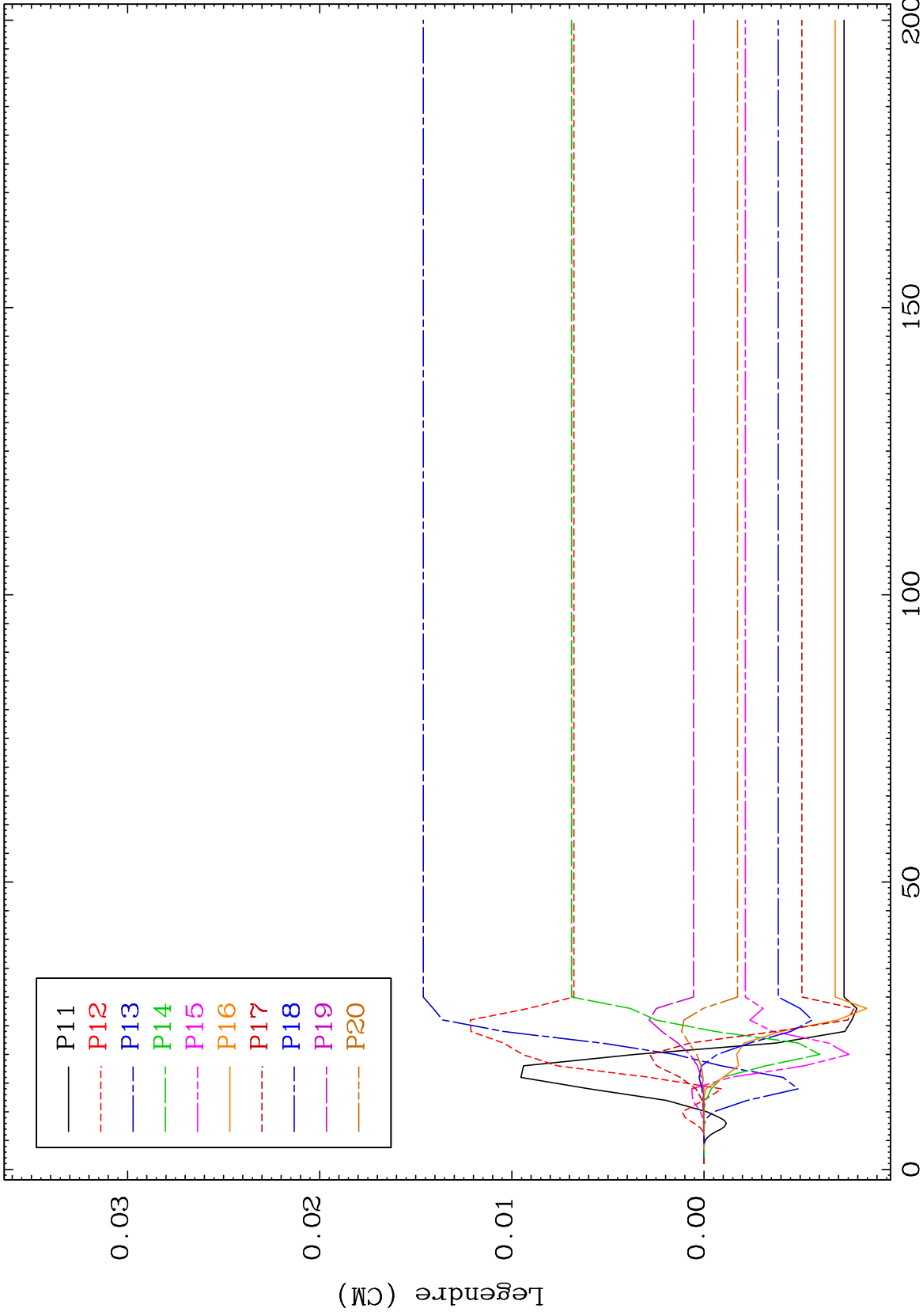
23

83-Bi-190

MAT 8268

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

83-Bi-190



24

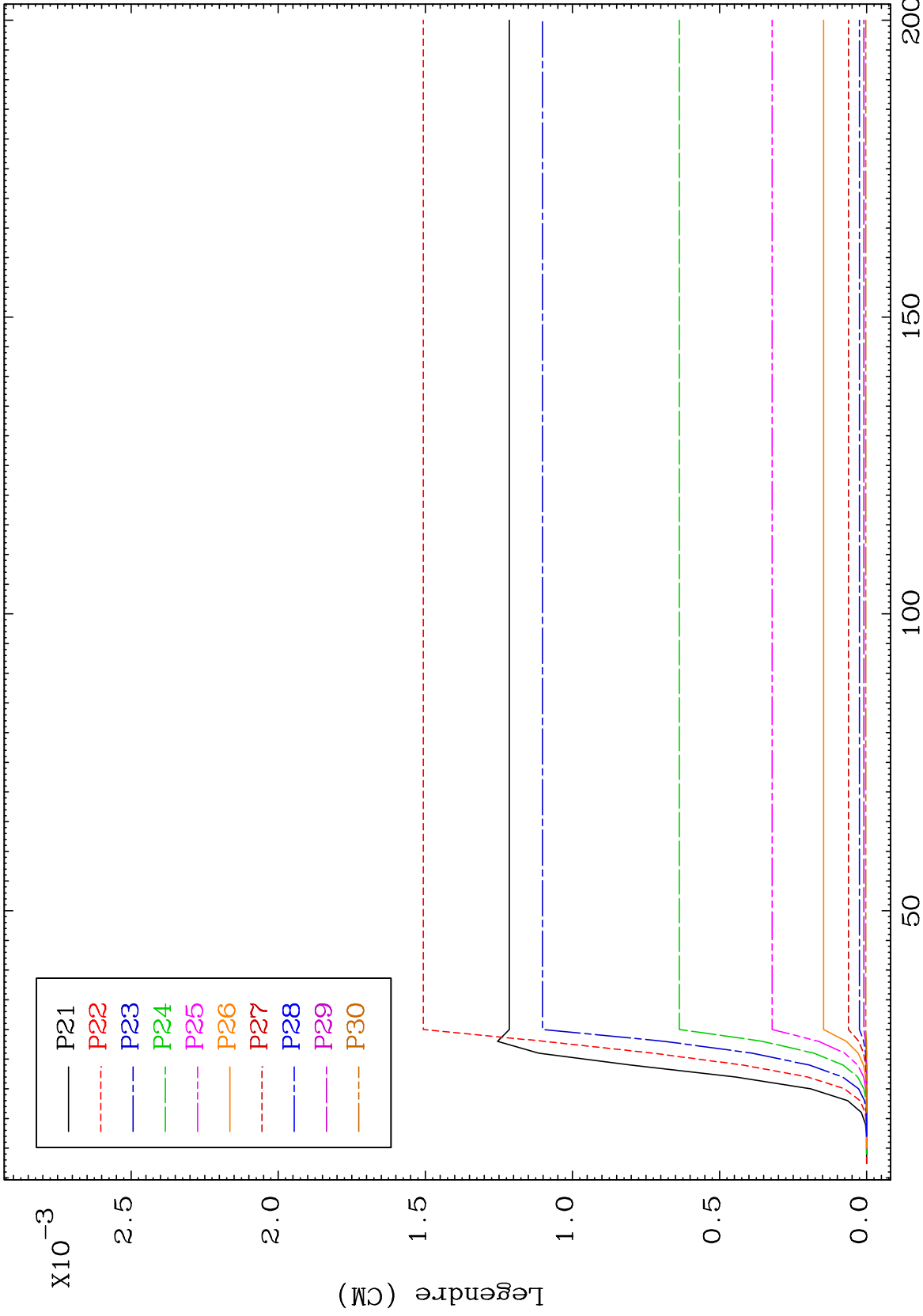
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



25

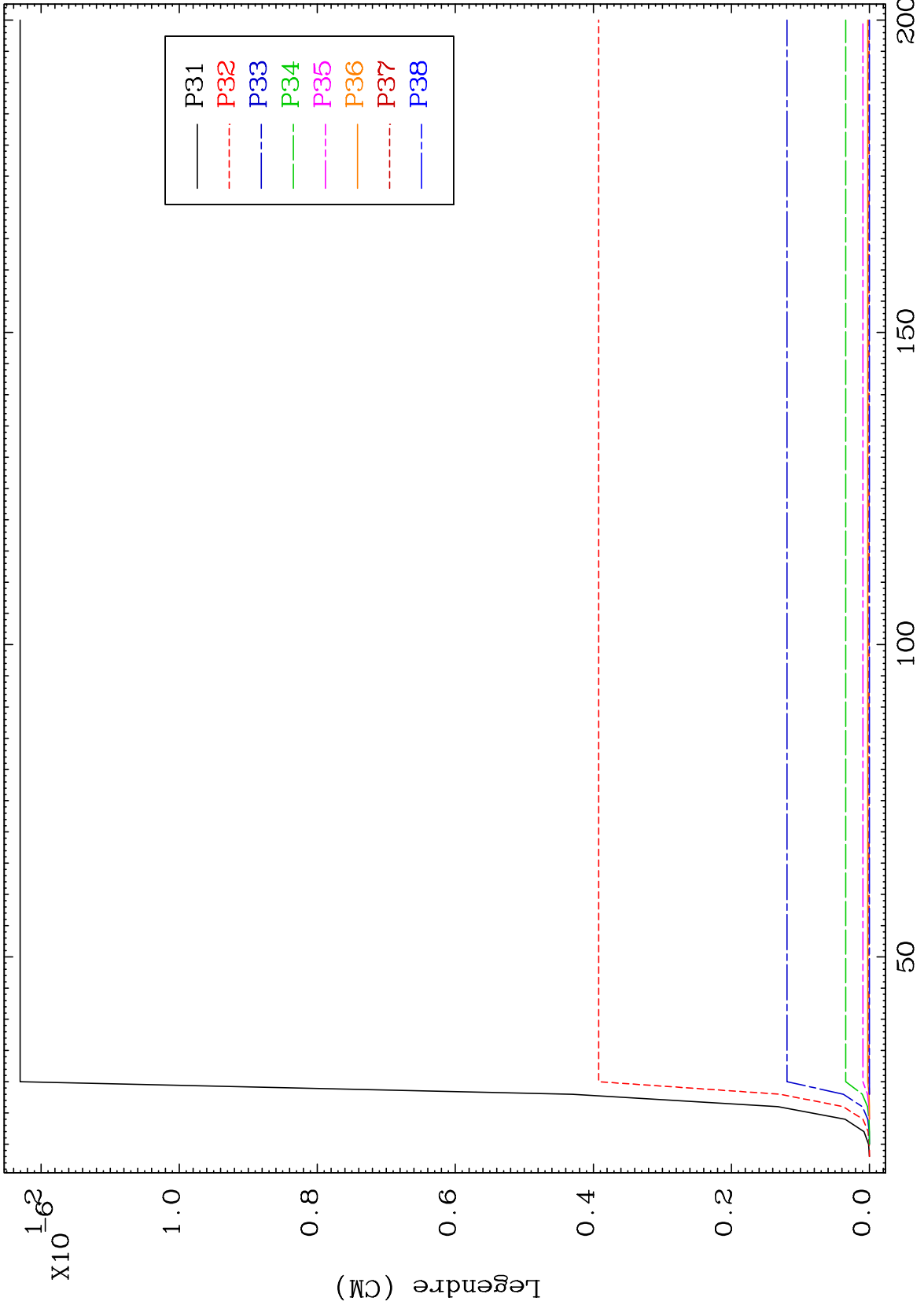
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



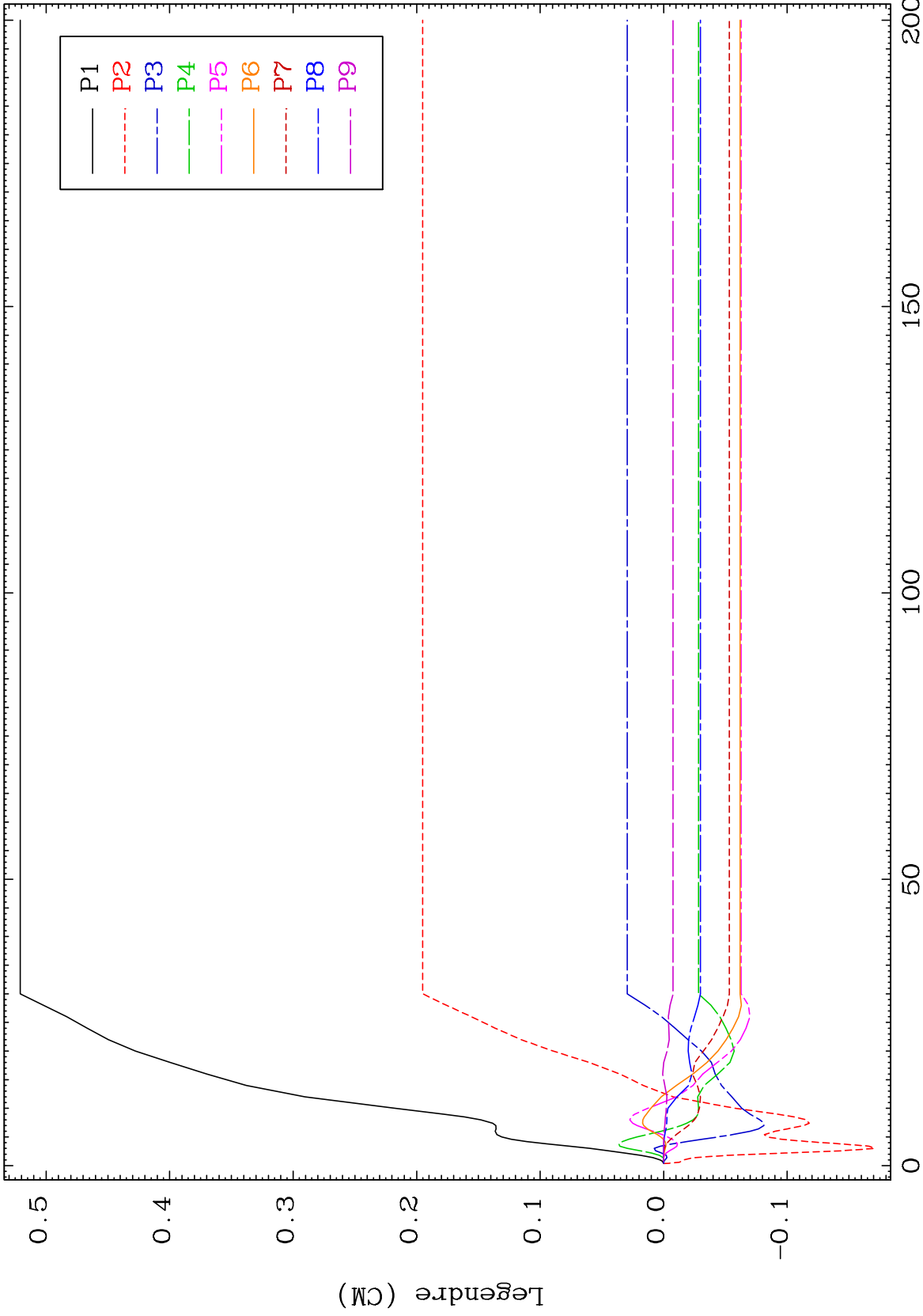
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83-Bi-190

MAT 8268

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

83-Bi-190



27

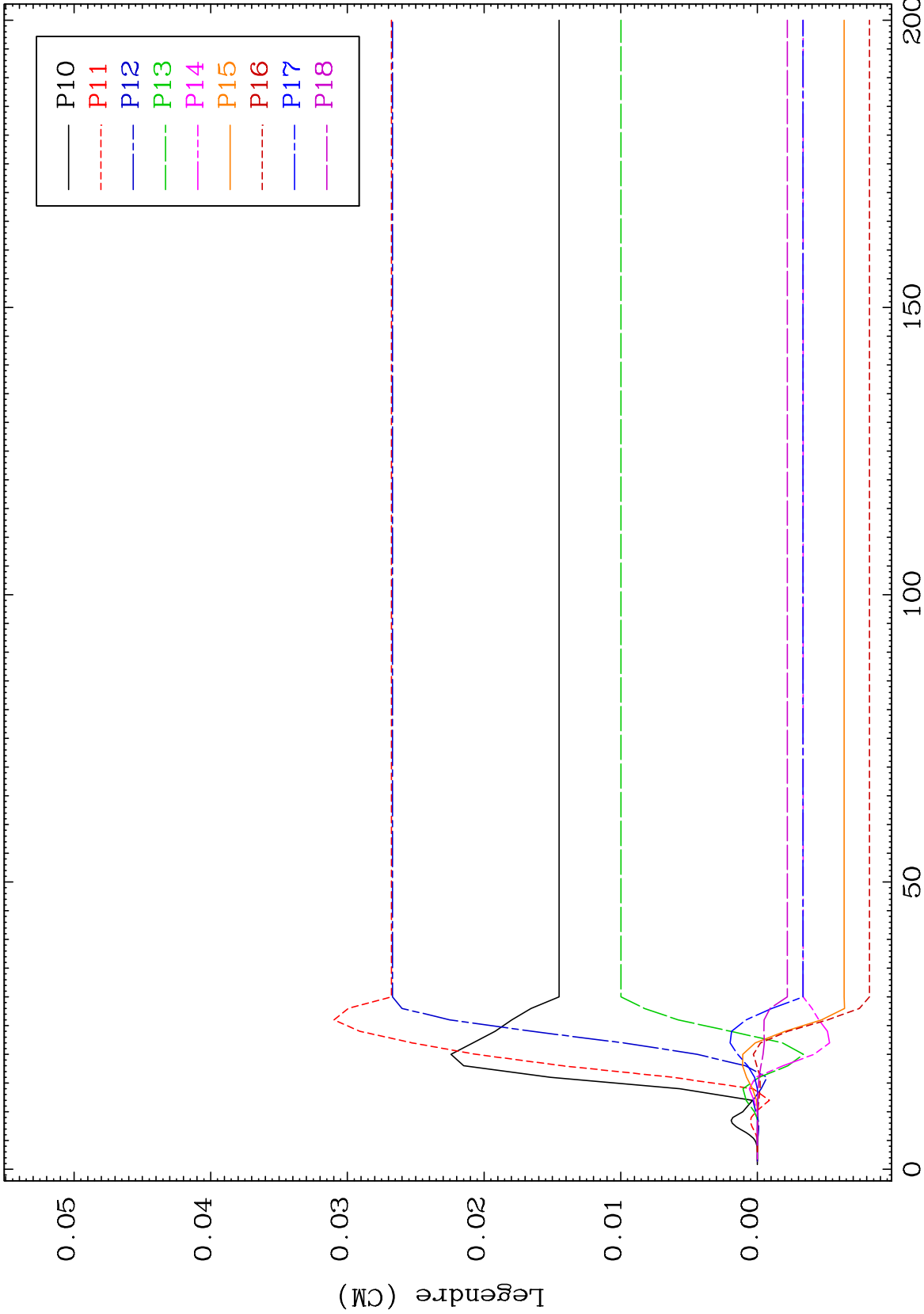
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



28

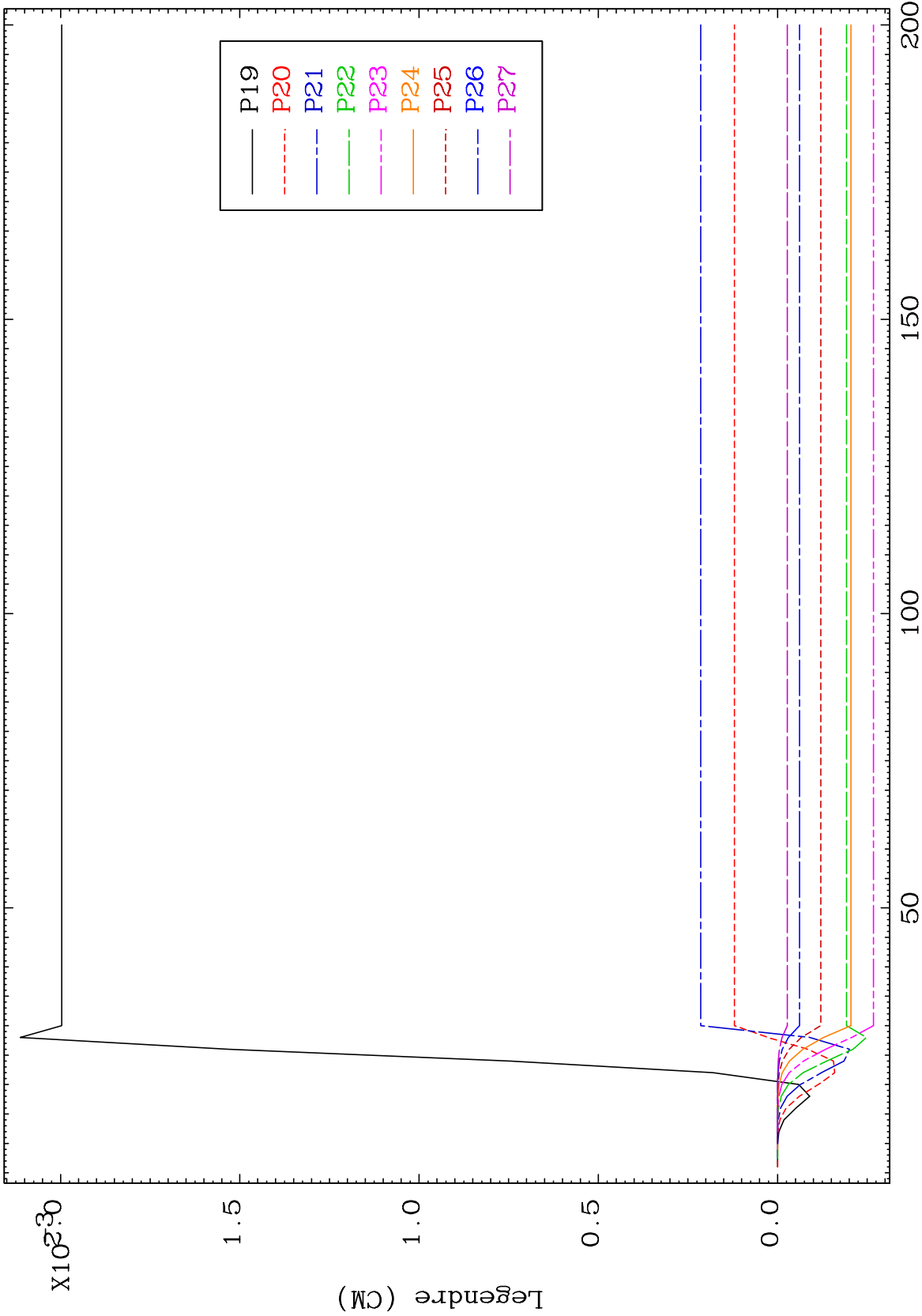
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



29

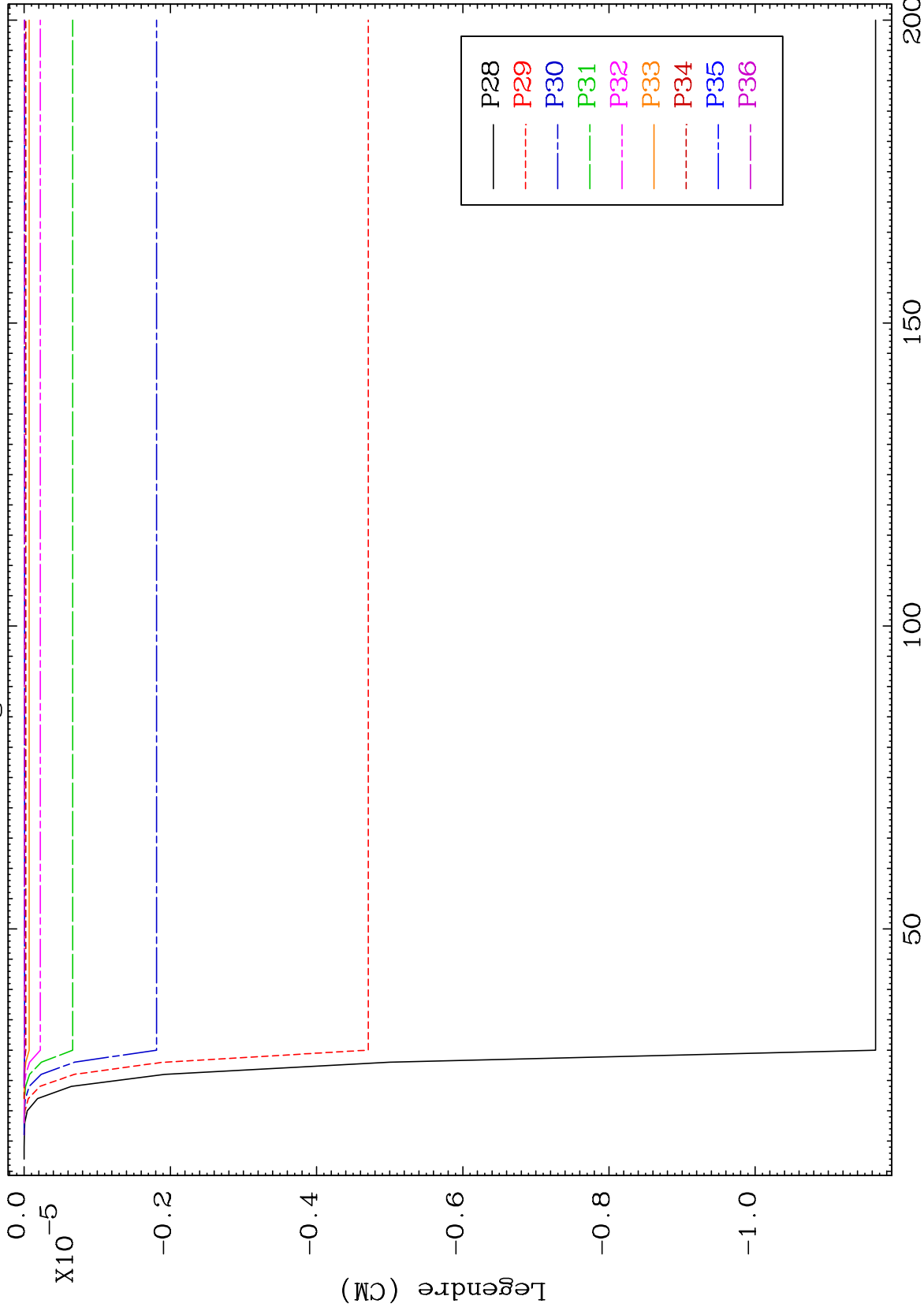
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



83-Bi-190

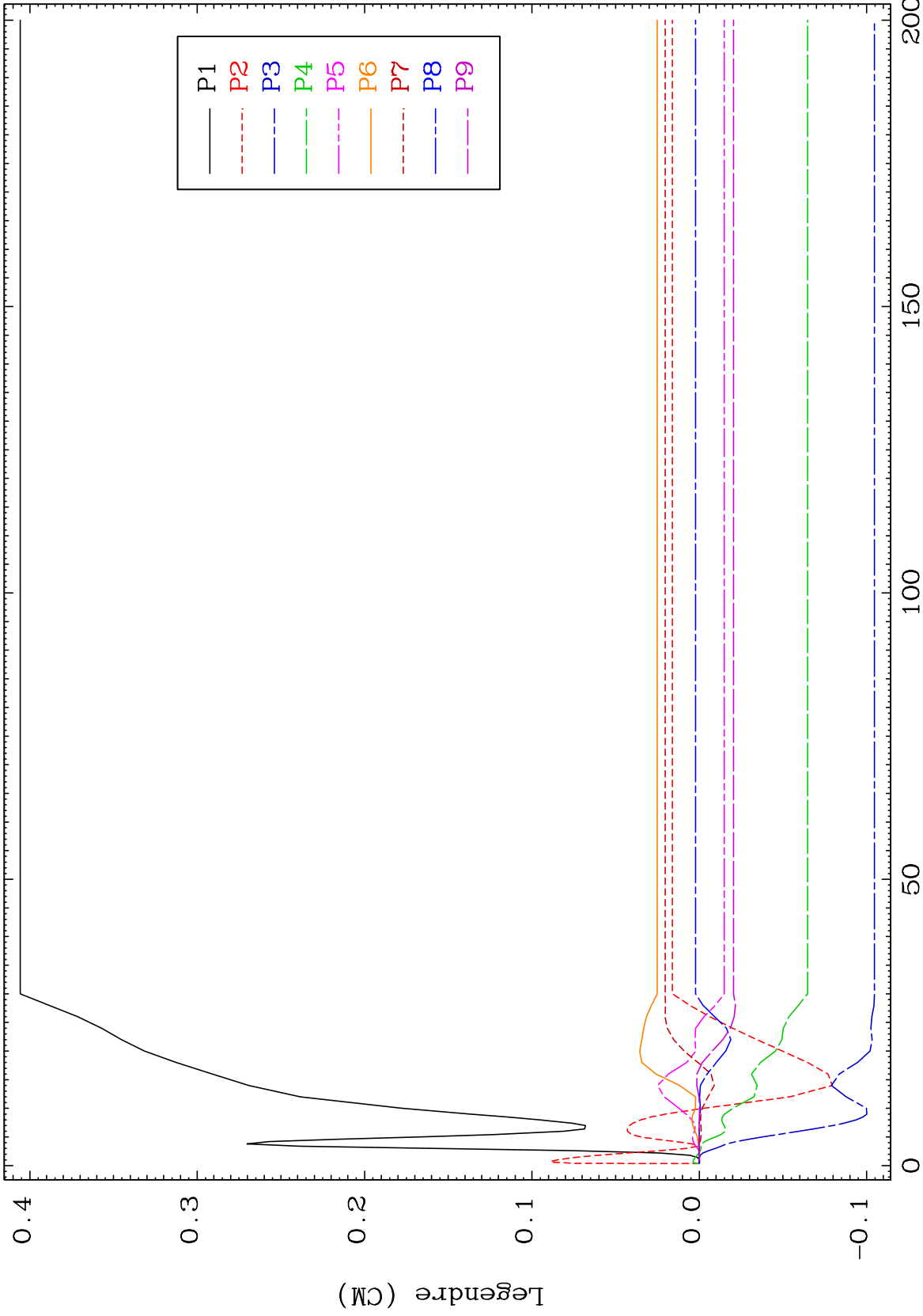
Incident Energy (MeV)

30

MAT 8268

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

83-Bi-190



31

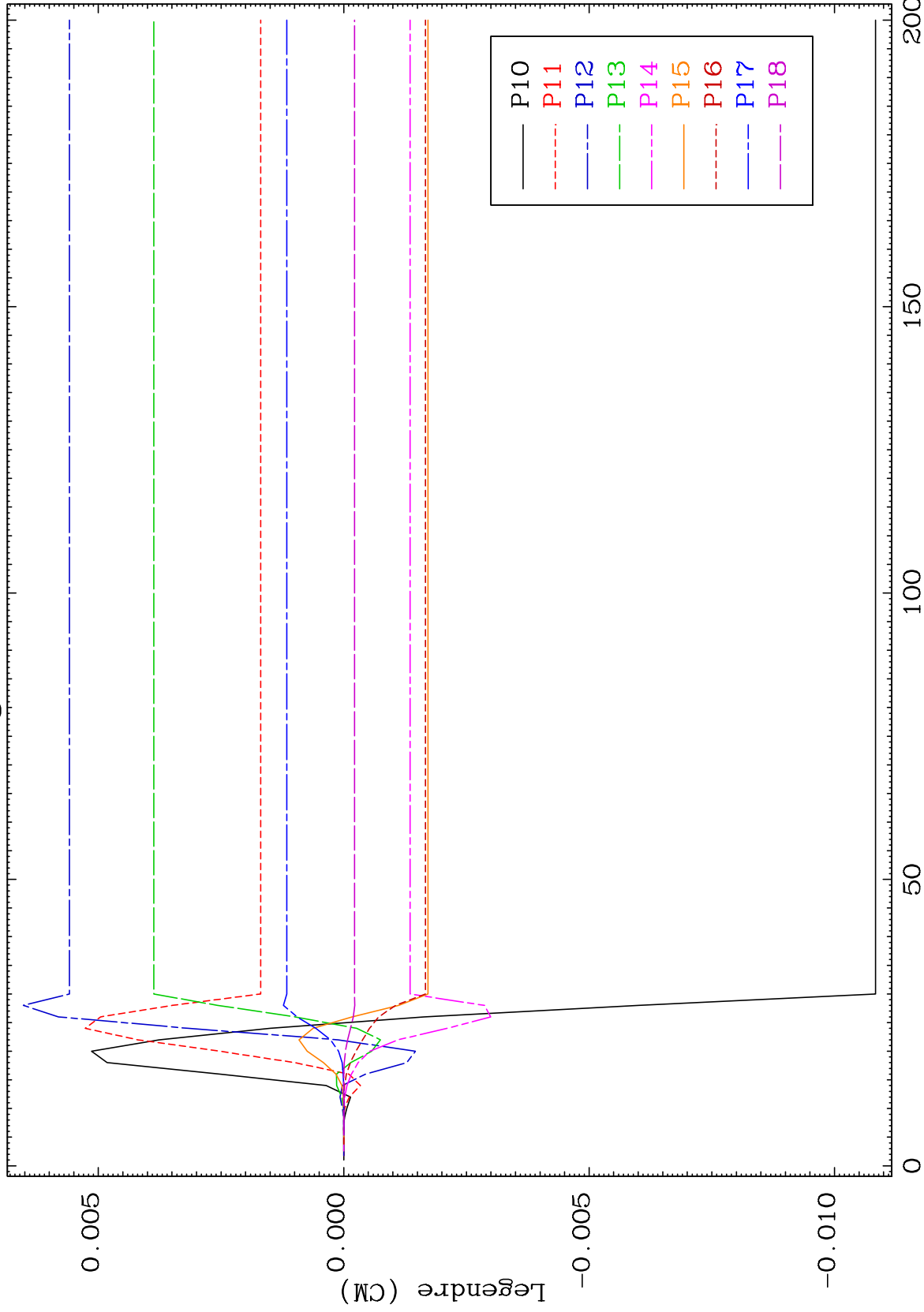
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



32

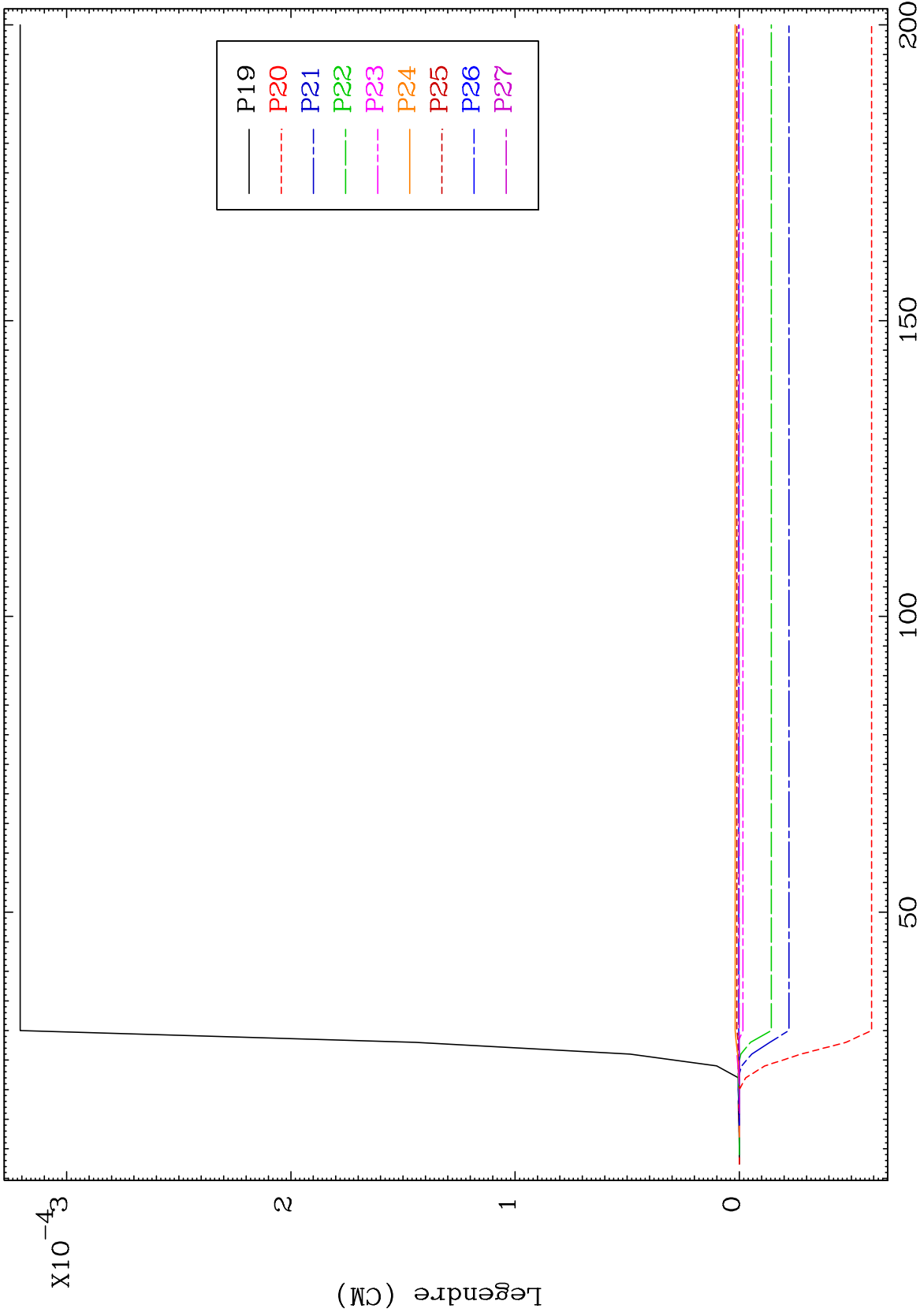
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



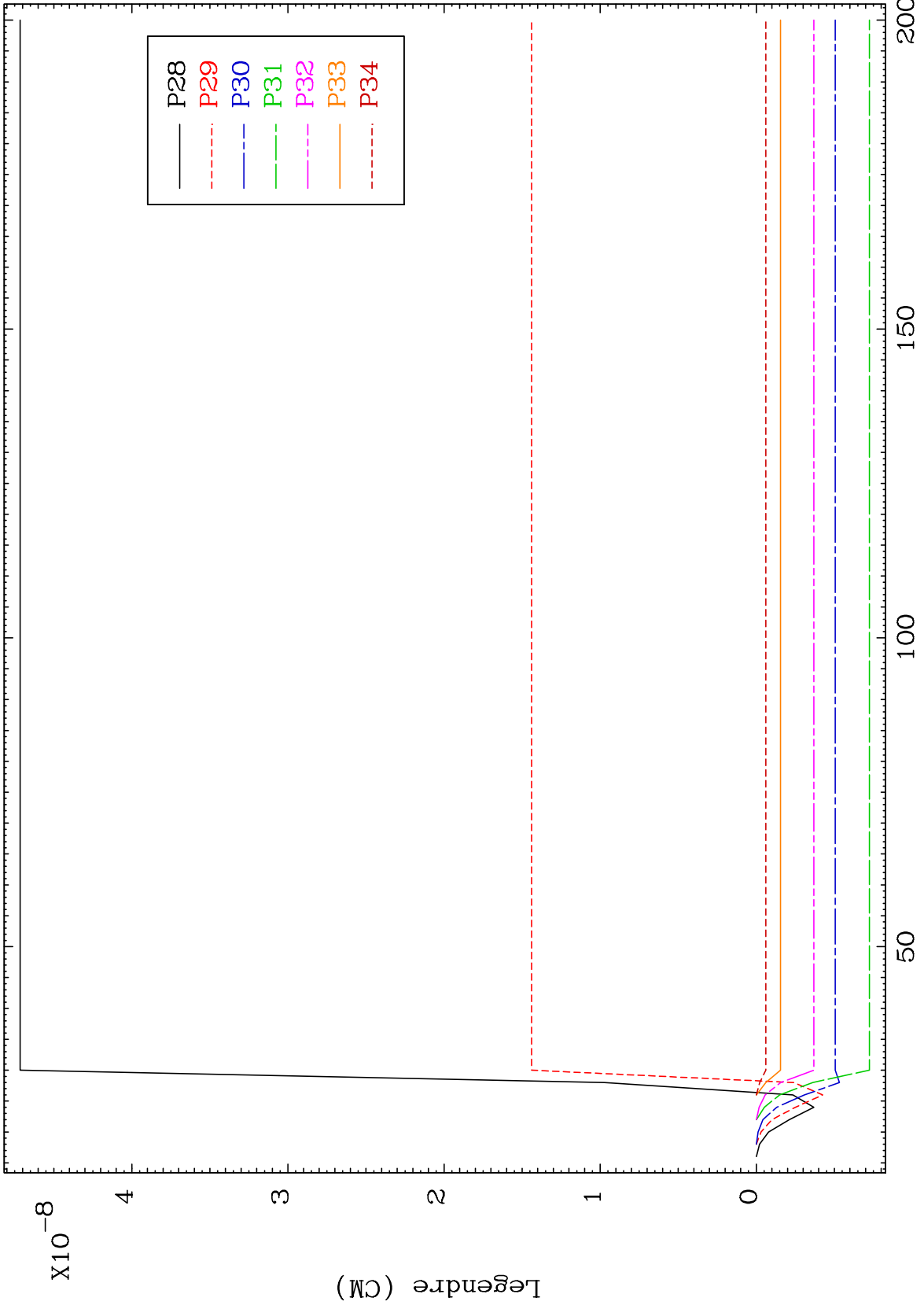
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83-Bi-190

MAT 8268

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

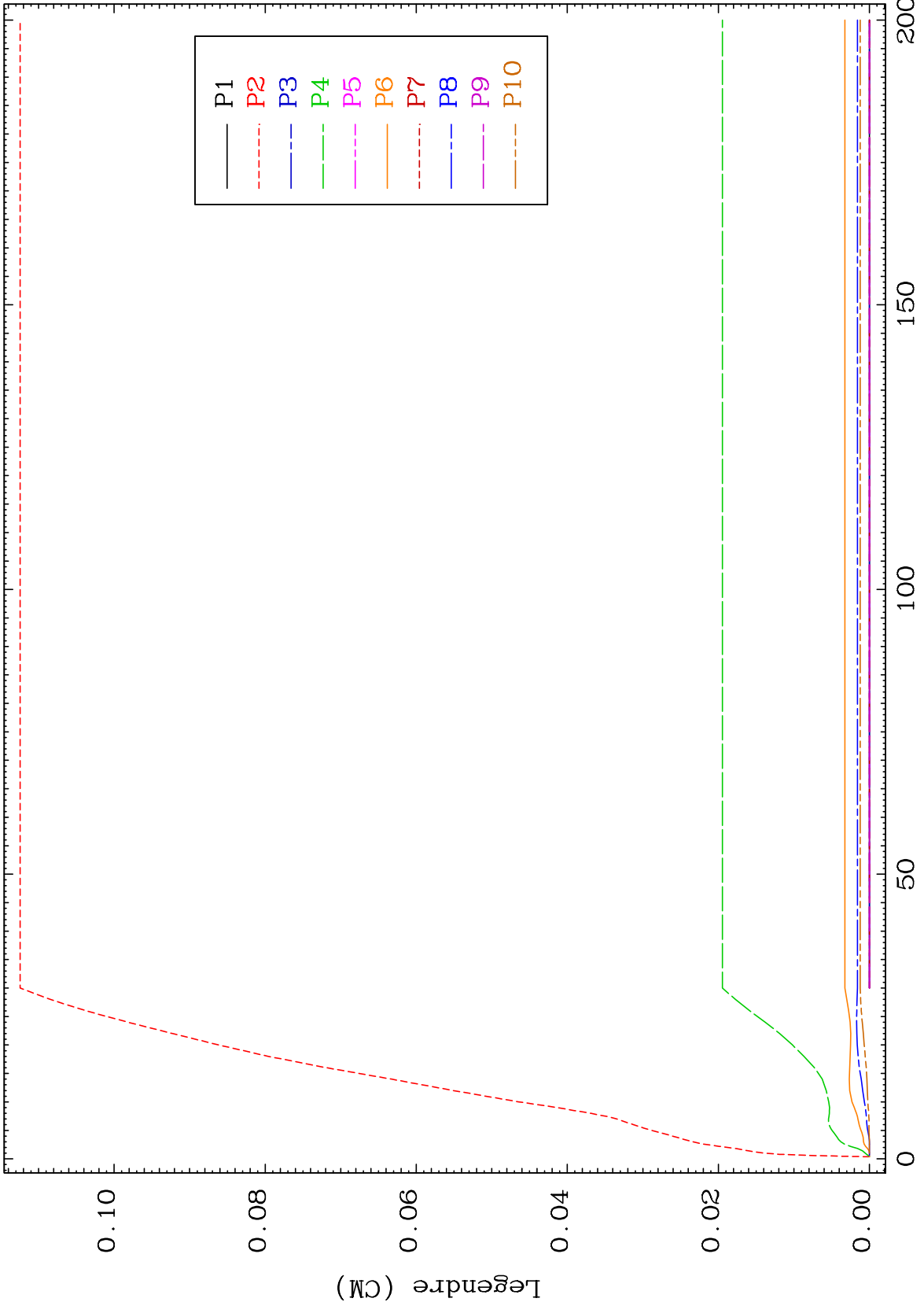
83-Bi-190



34

83-Bi-190

MAT 8268 MT= 55 (n,n') Level Legendre Coefficients 83-Bi-190

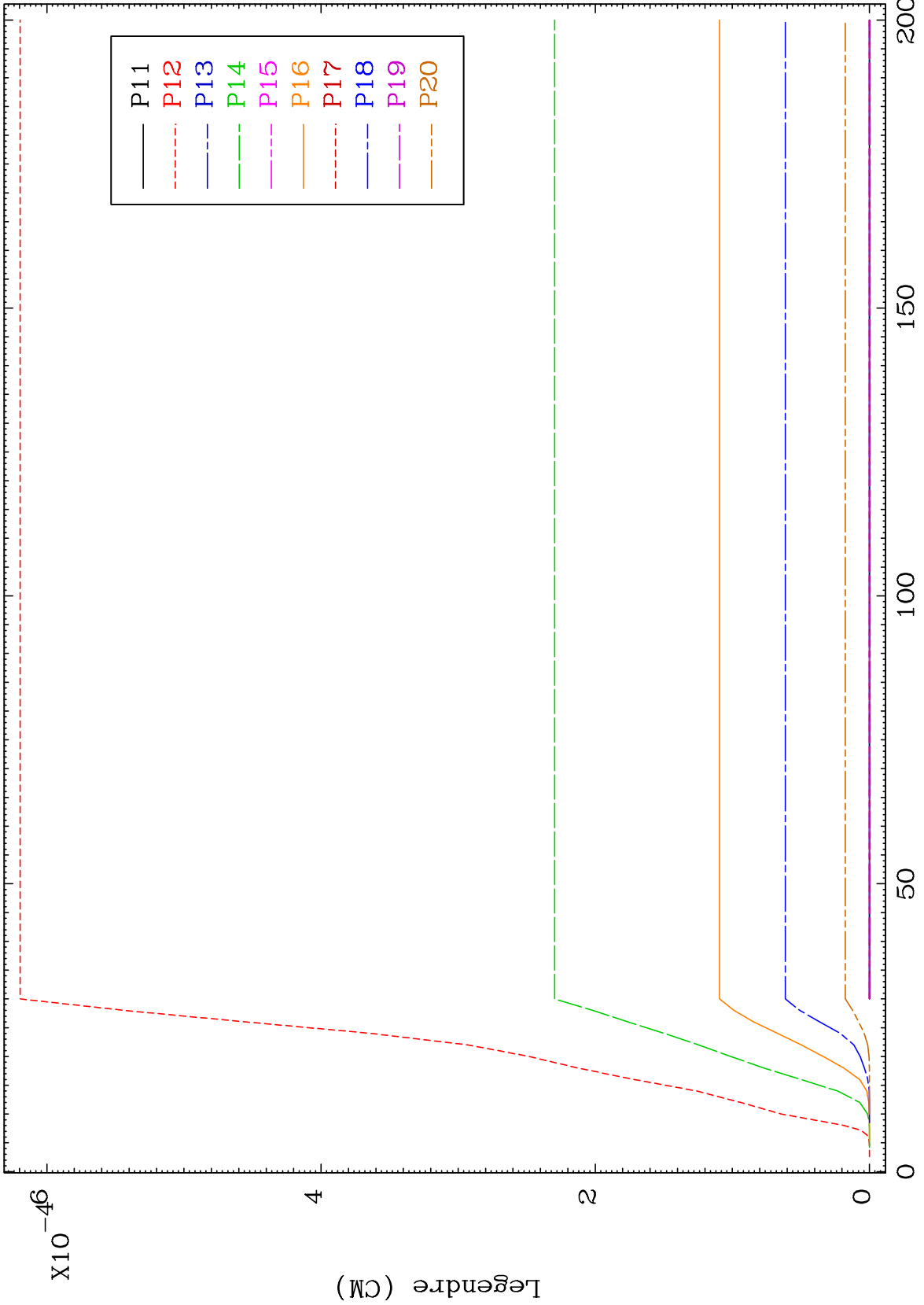


35 Incident Energy (MeV) 83-Bi-190

MAT 8268

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

83-Bi-190



36

Incident Energy (MeV)

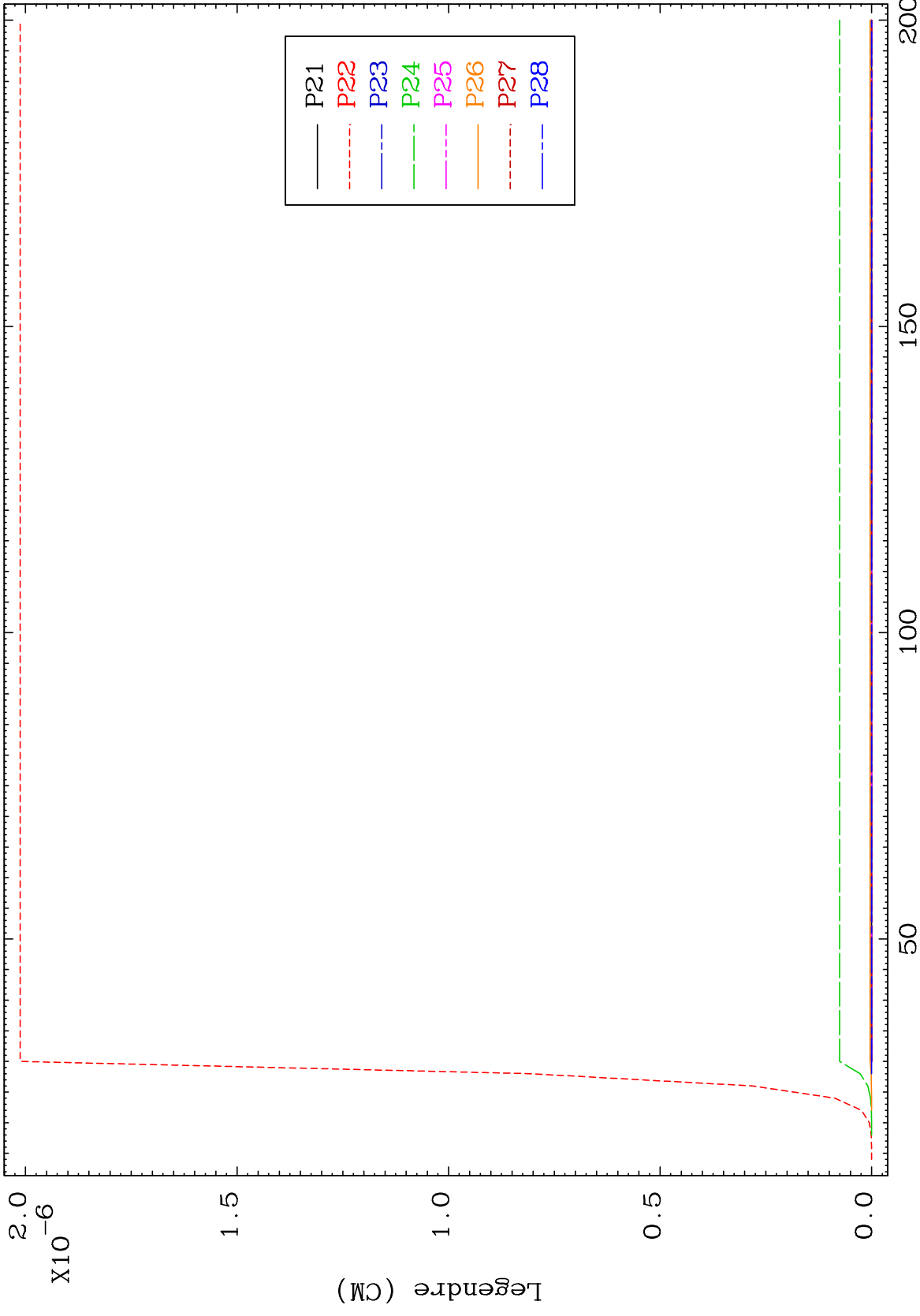
83-Bi-190

MAT 8268

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

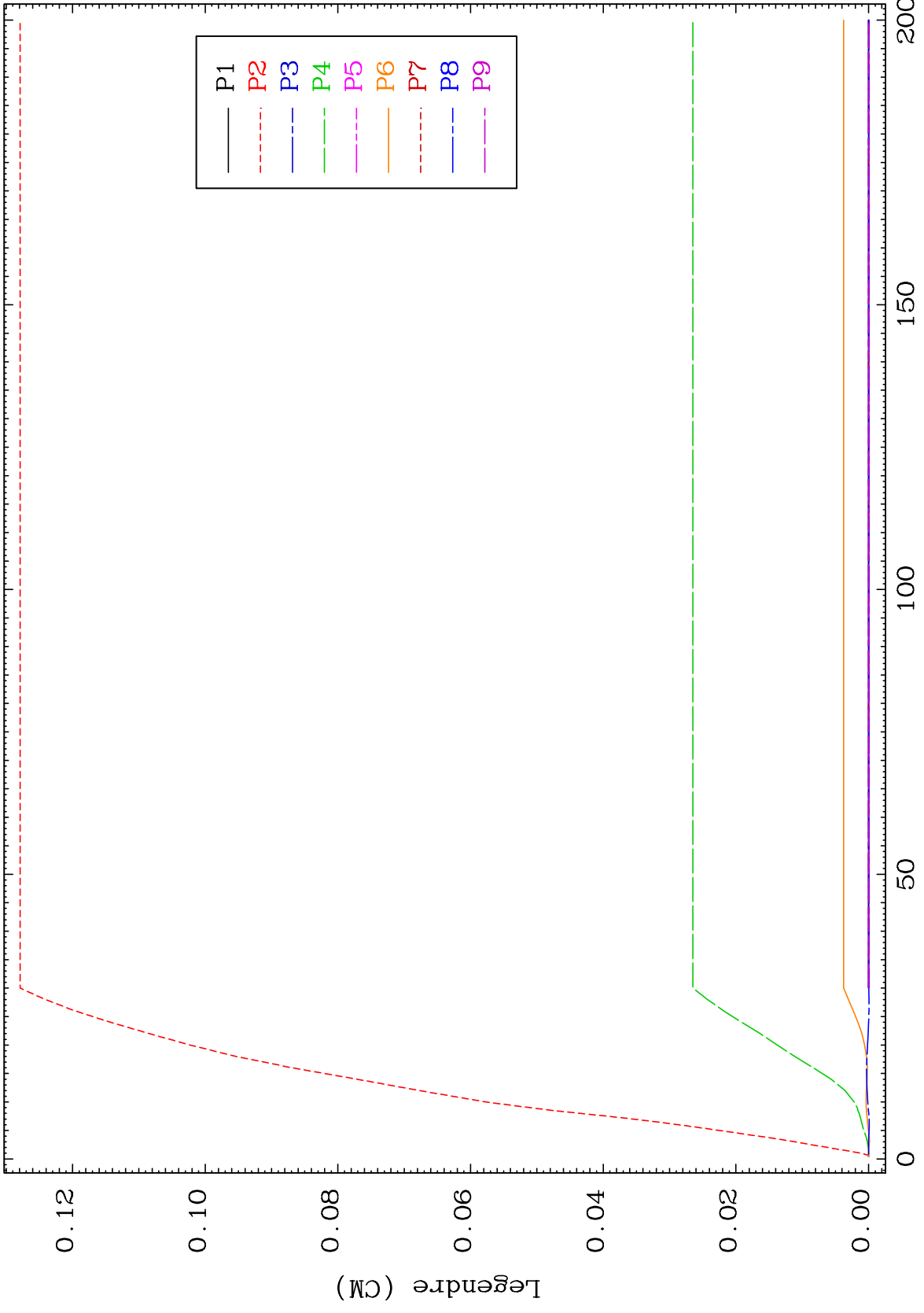
83-Bi-190

83-Bi-190



37

MAT 8268 MT= 56 (n,n') Level Legendre Coefficients 83-Bi-190

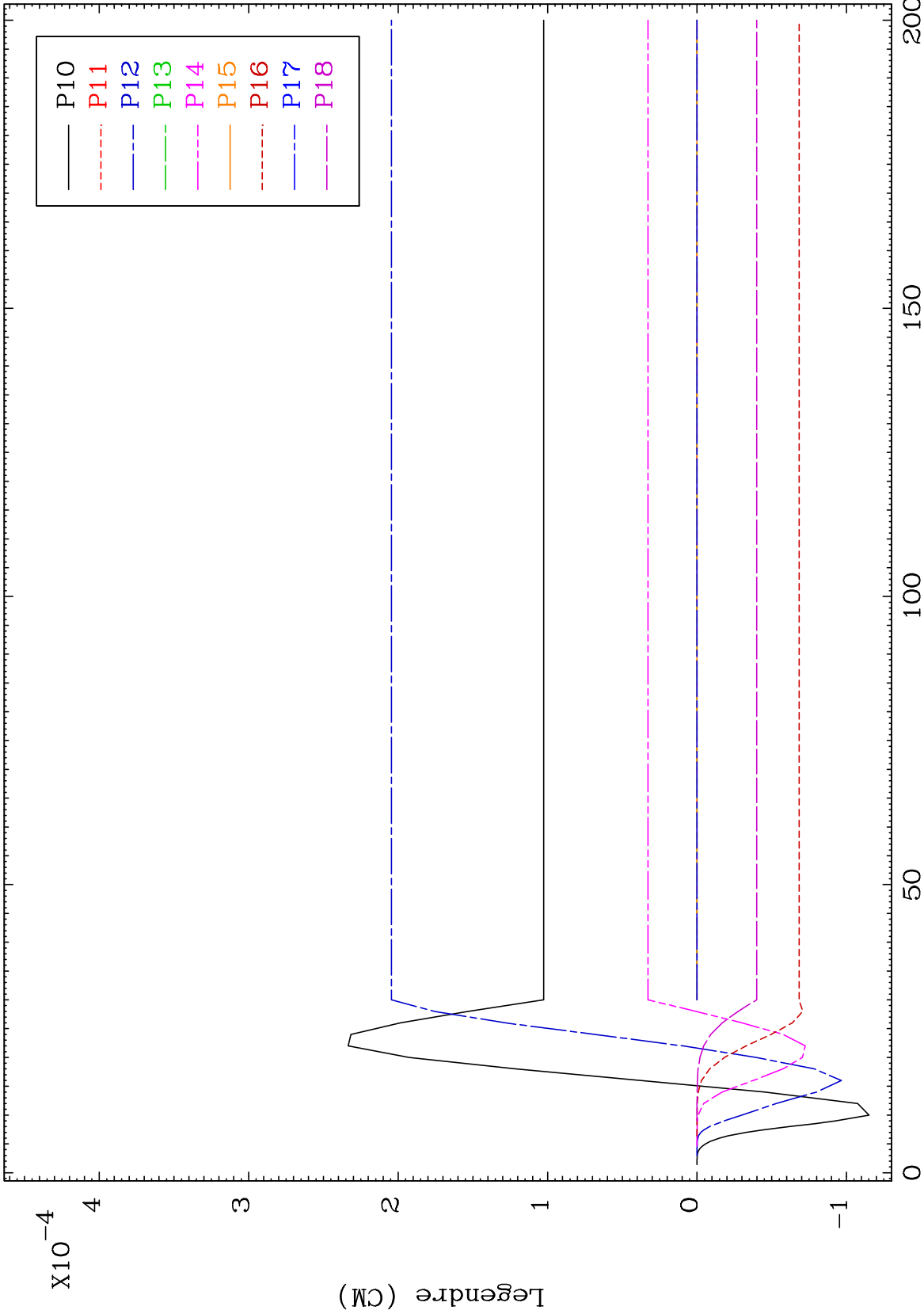


38 Incident Energy (MeV) 83-Bi-190

MAT 8268

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

83-Bi-190



39

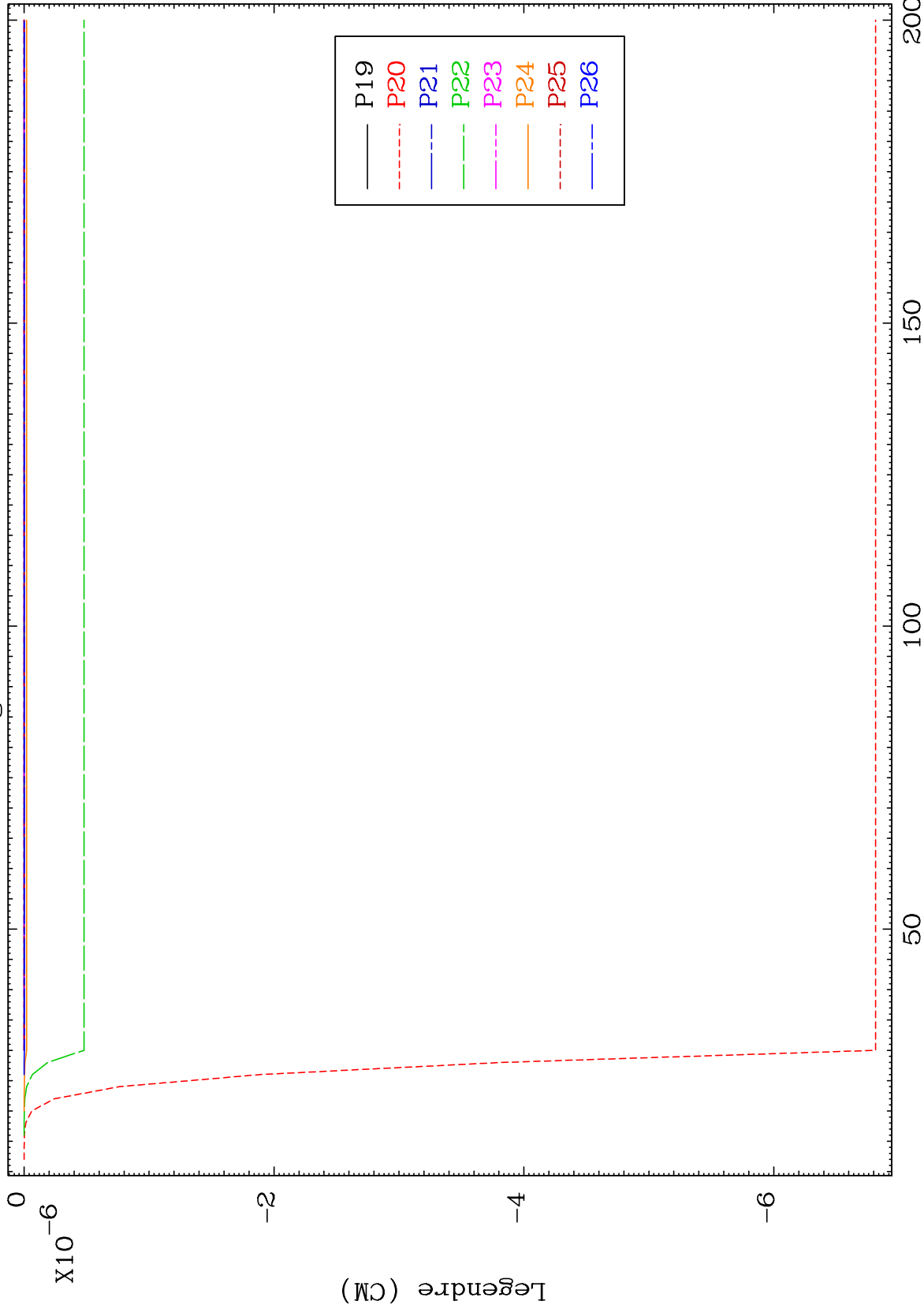
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



83-Bi-190

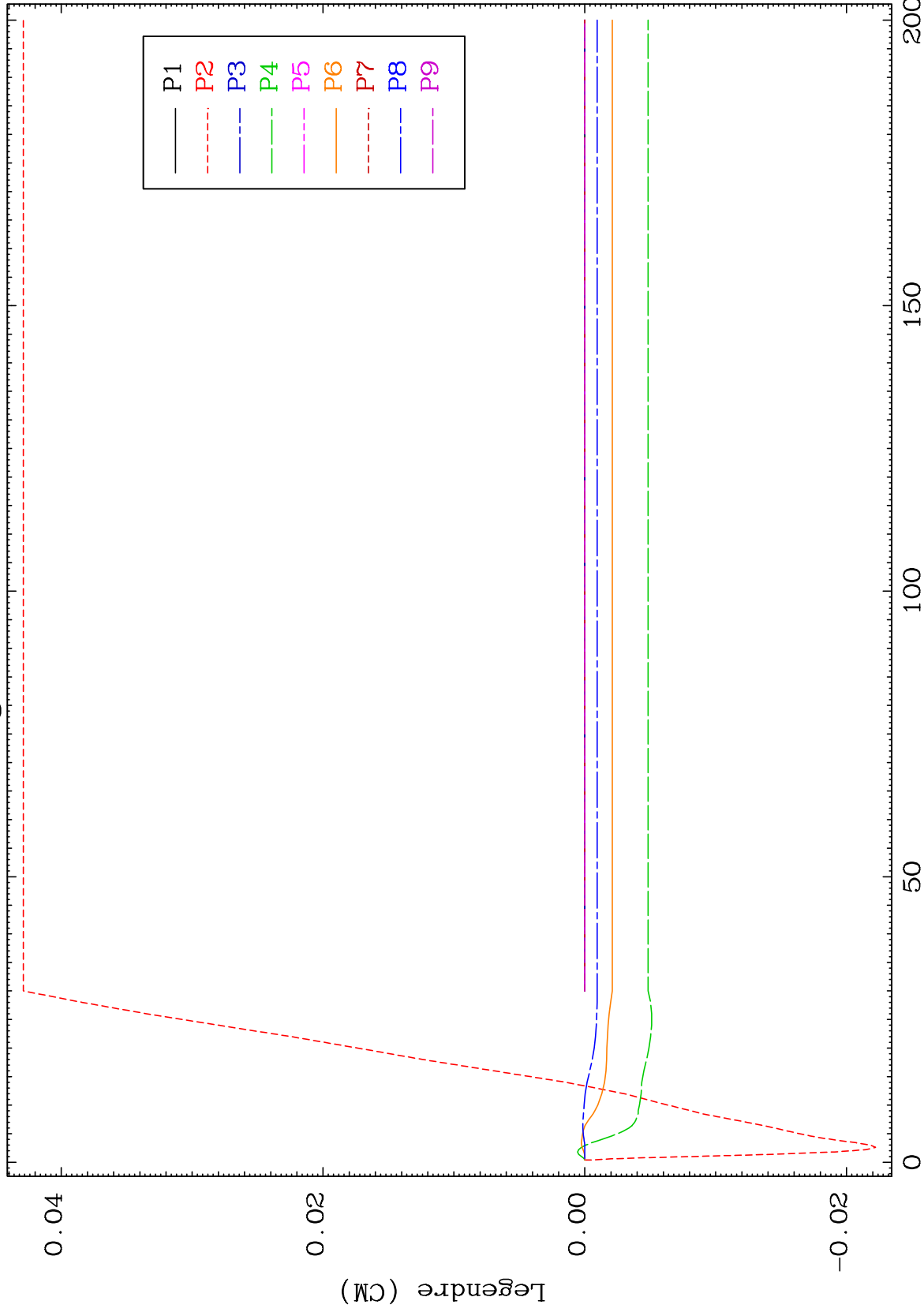
Incident Energy (MeV)

40

MAT 8268

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

83-Bi-190



41

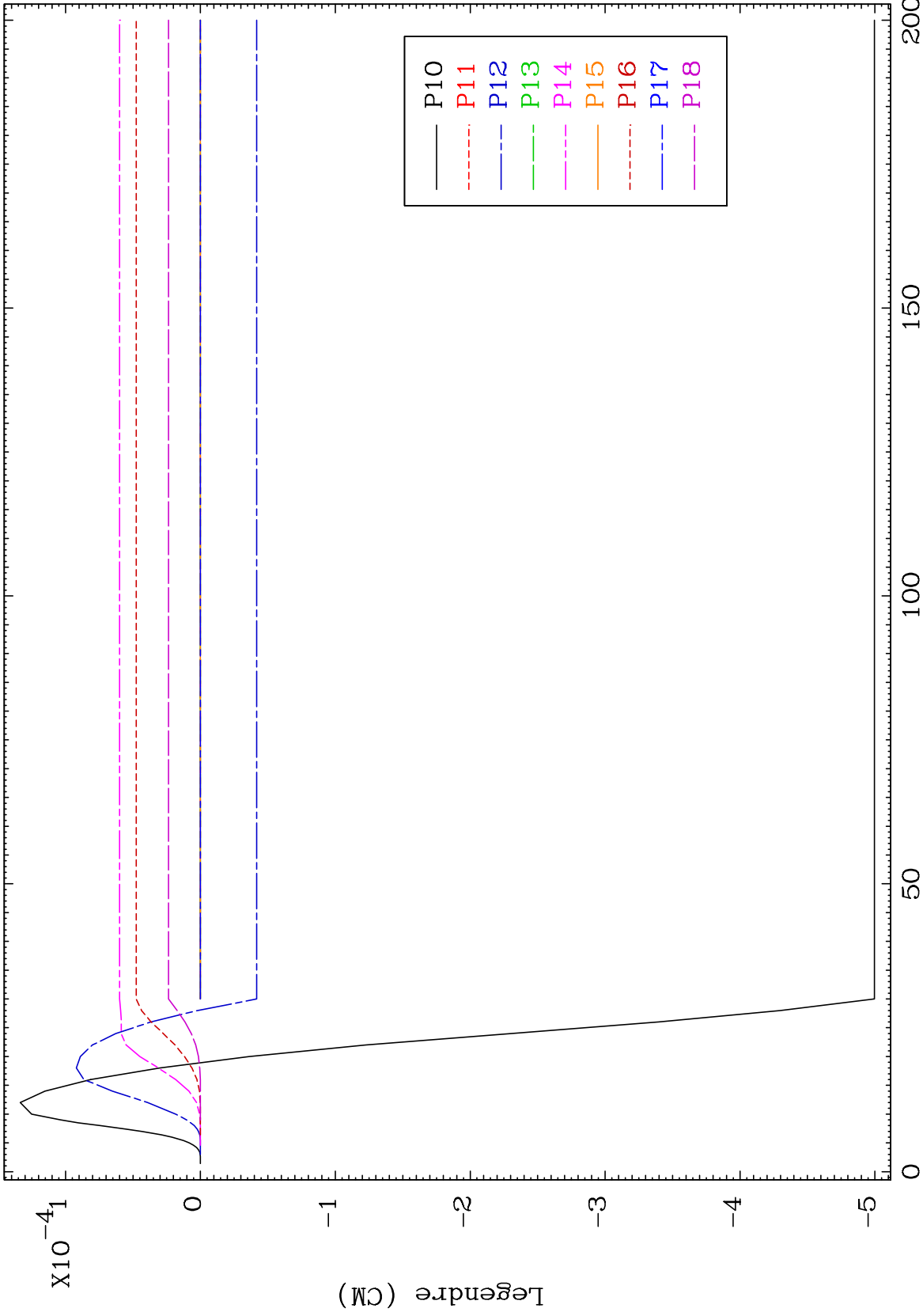
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



42

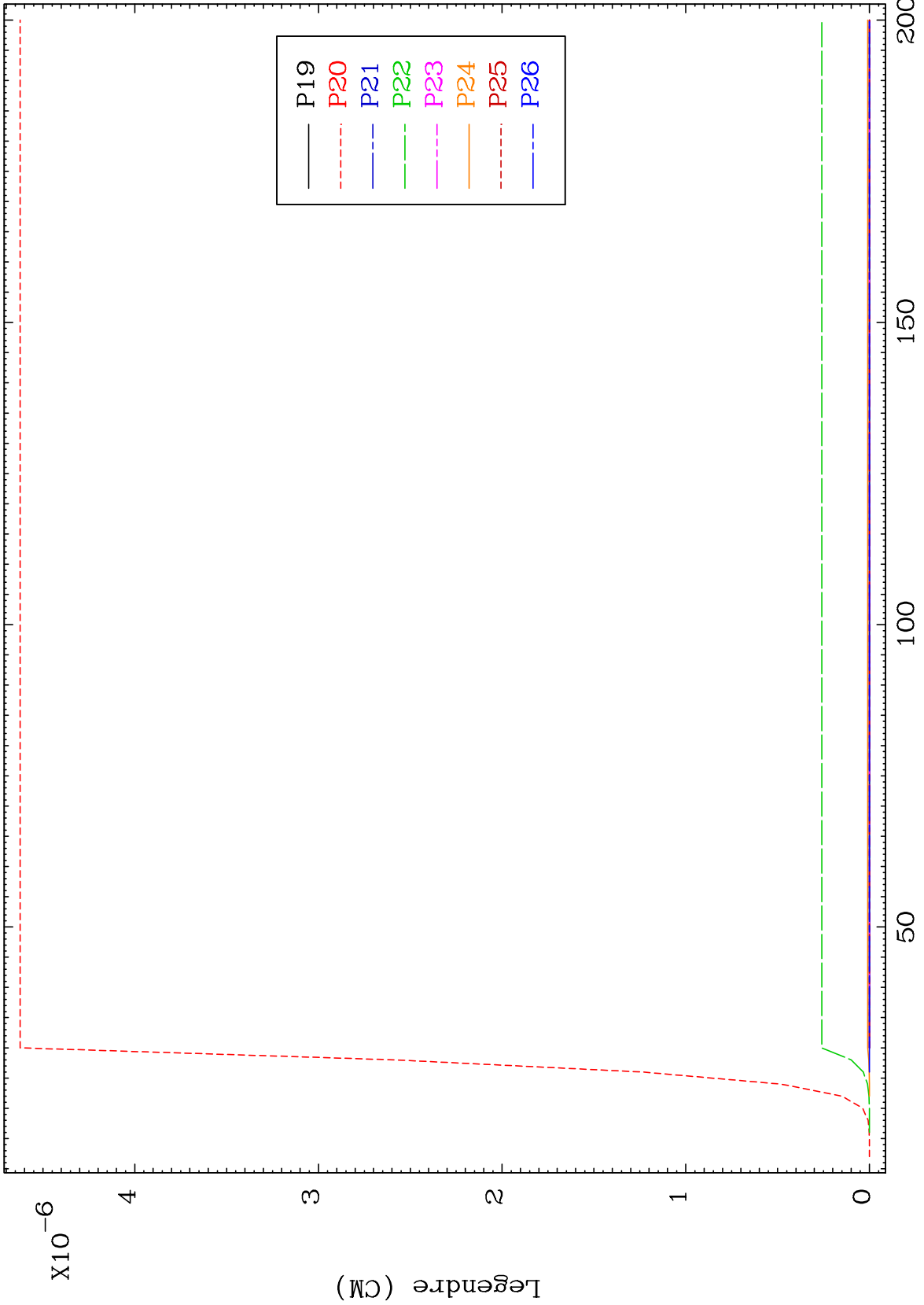
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190

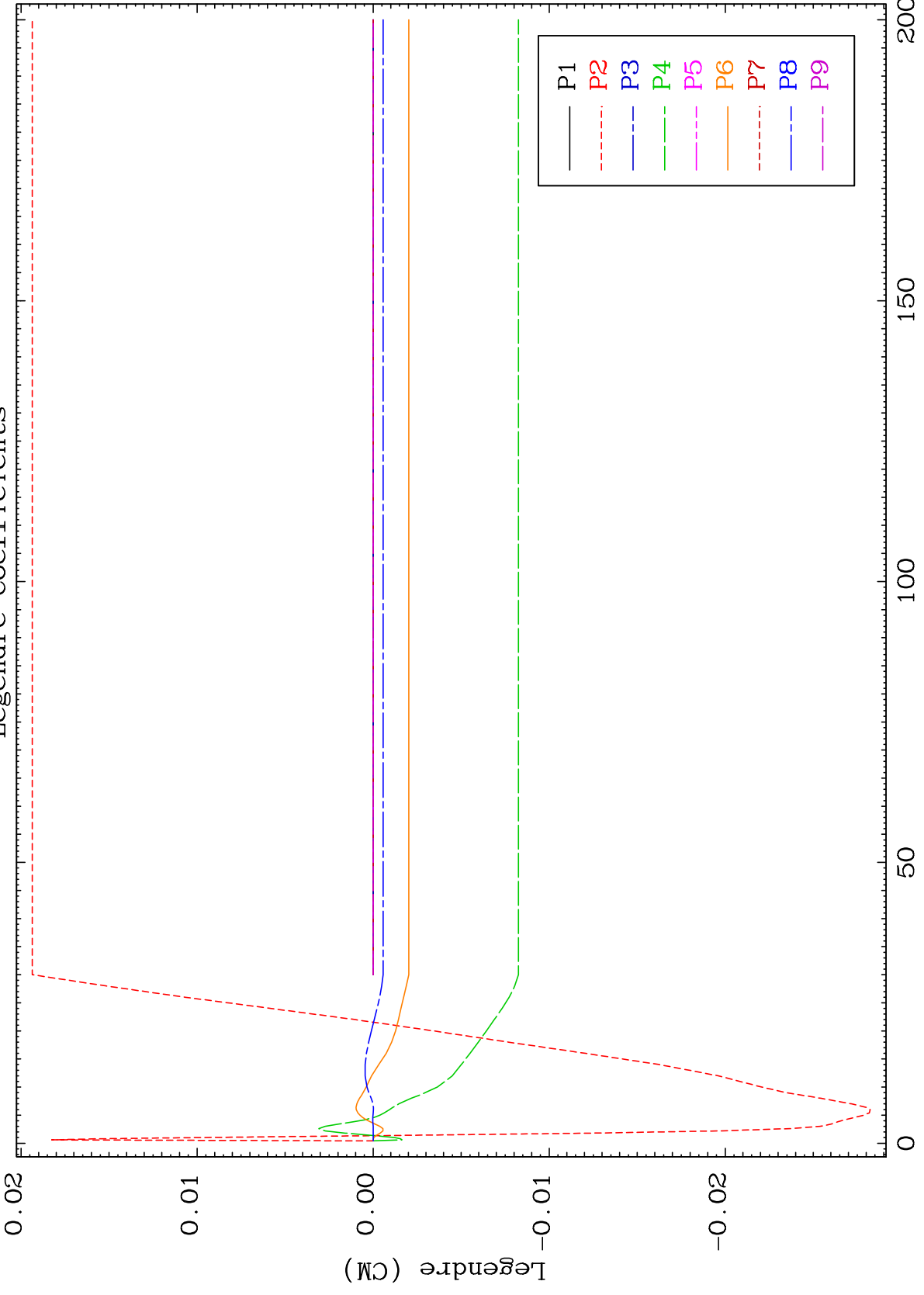


43

Incident Energy (MeV)

83-Bi-190

MAT 8268 MT= 58 (n,n') Level Legendre Coefficients 83-Bi-190

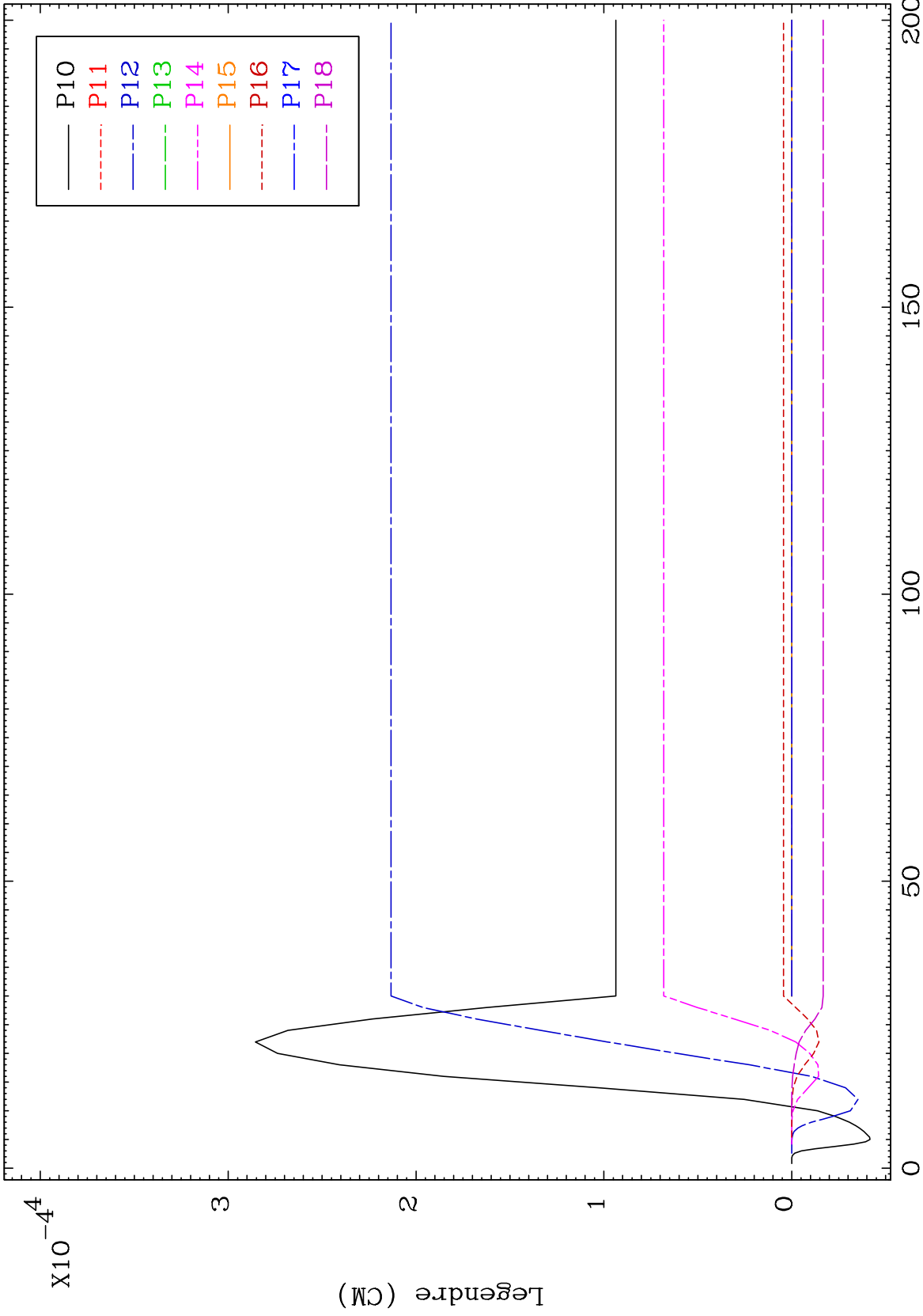


44 83-Bi-190

MAT 8268

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

83-Bi-190

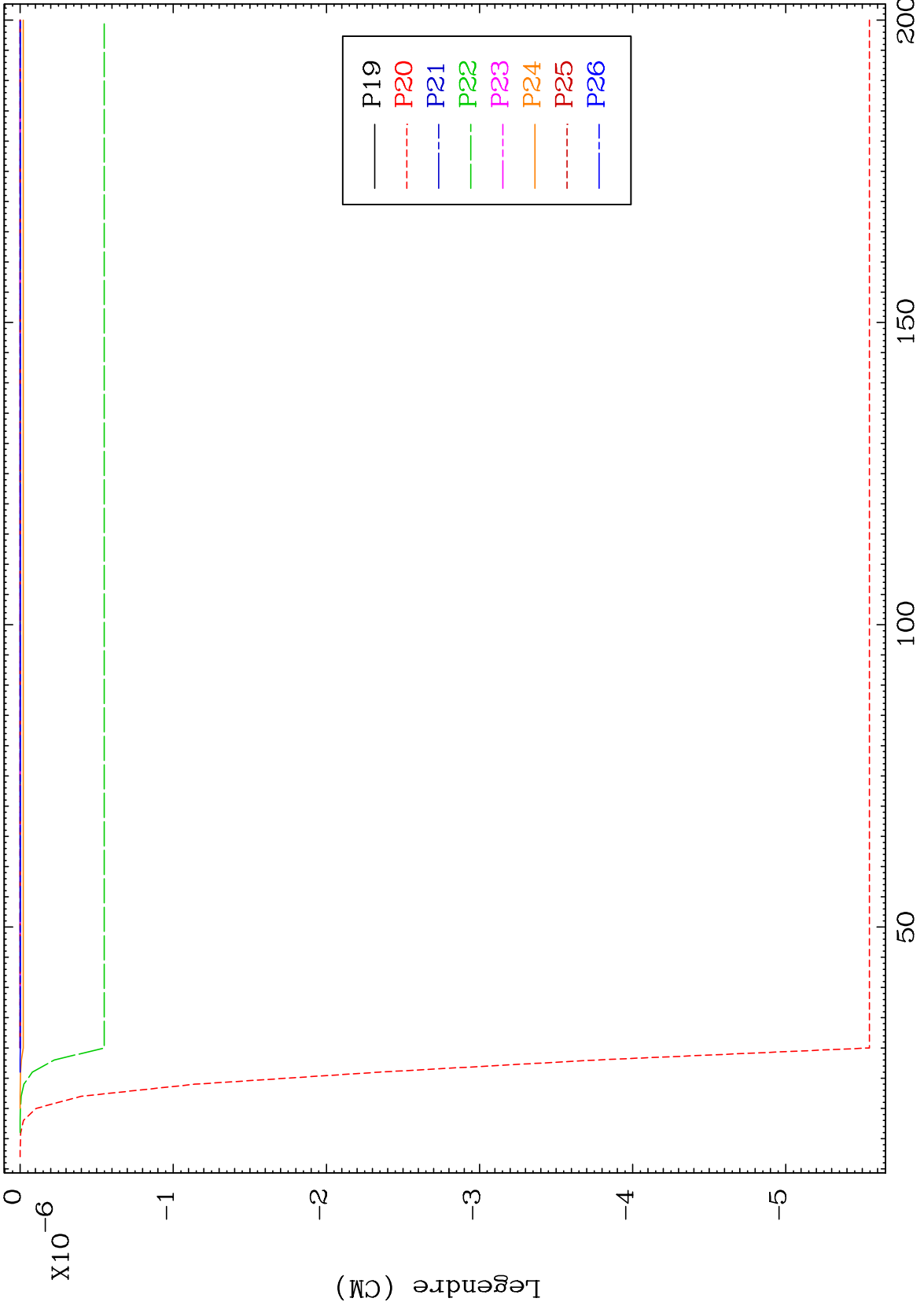


45

Incident Energy (MeV)

83-Bi-190

MAT 8268 MT= 58 (n,n') Level Legendre Coefficients 83-Bi-190

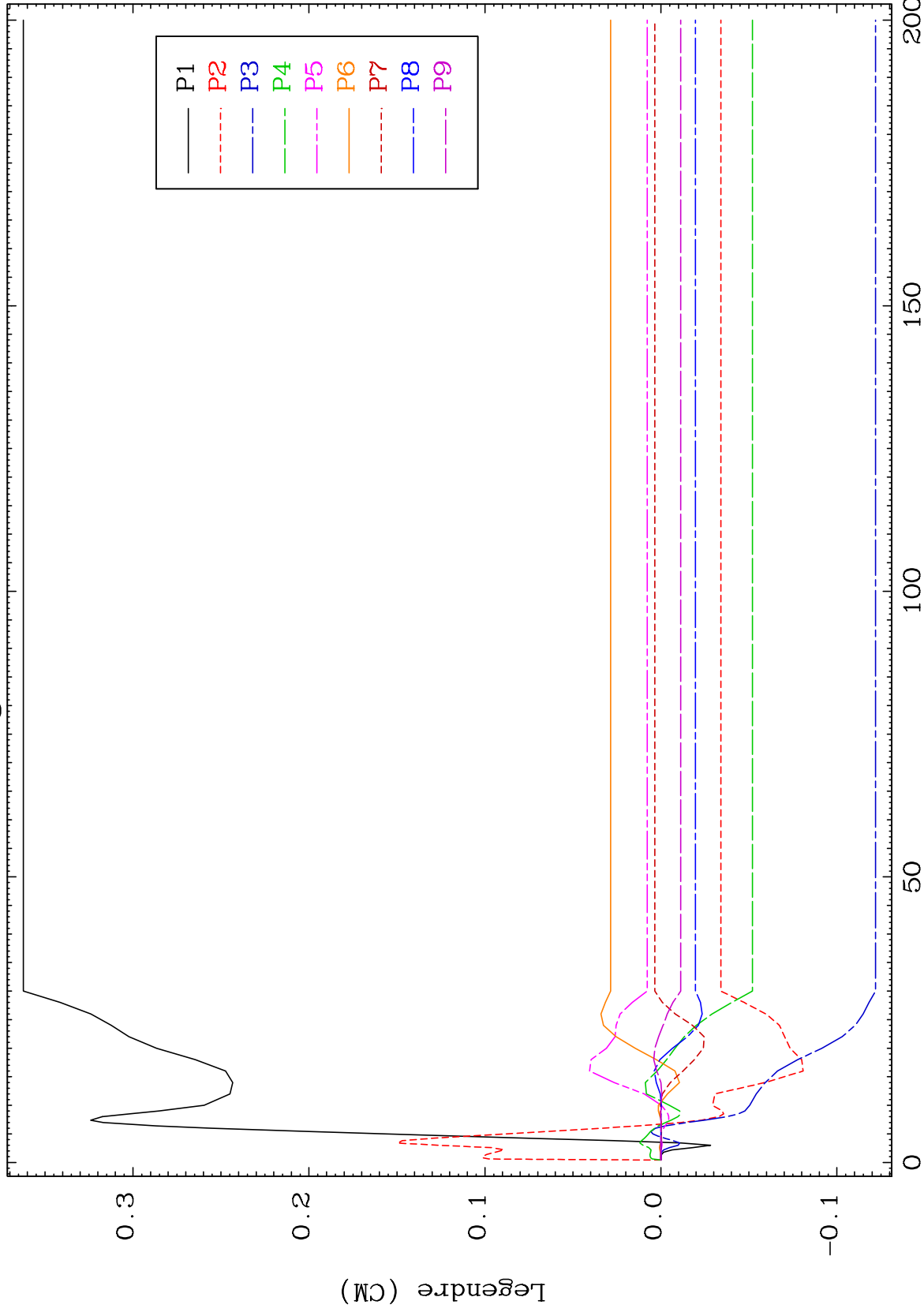


46 Incident Energy (MeV) 83-Bi-190

MAT 8268

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

83-Bi-190



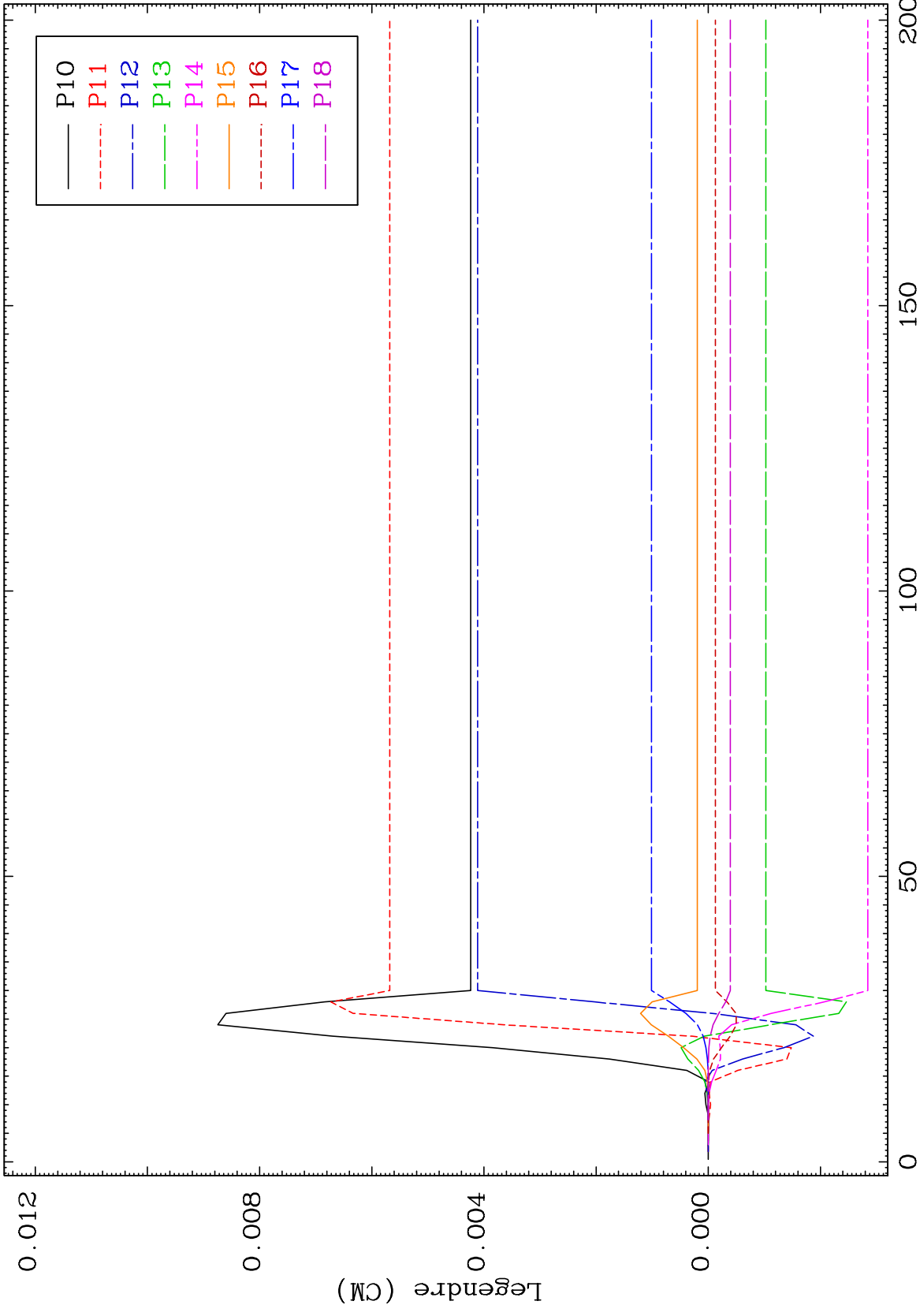
47

83-Bi-190

MAT 8268

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

83-Bi-190



48

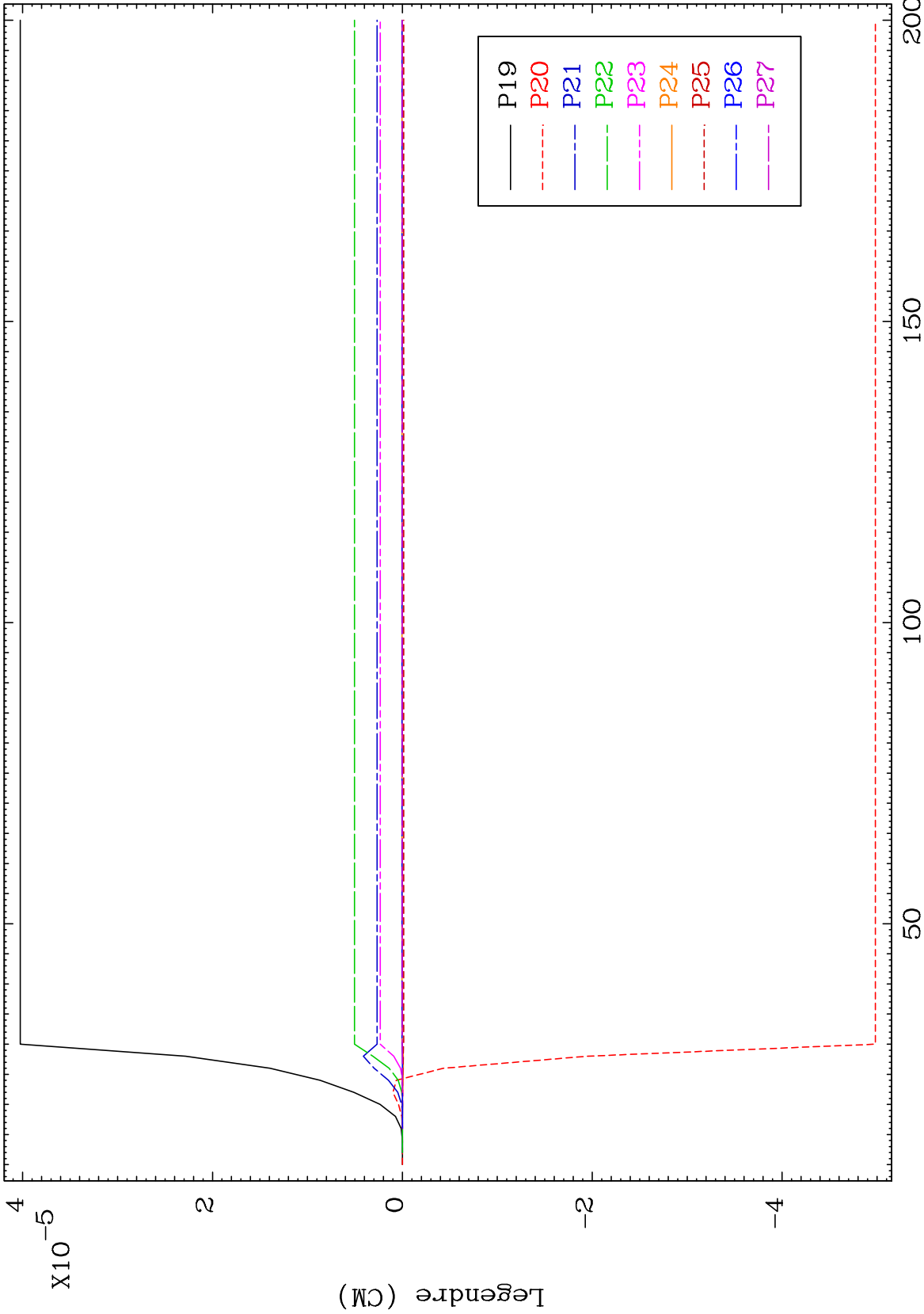
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

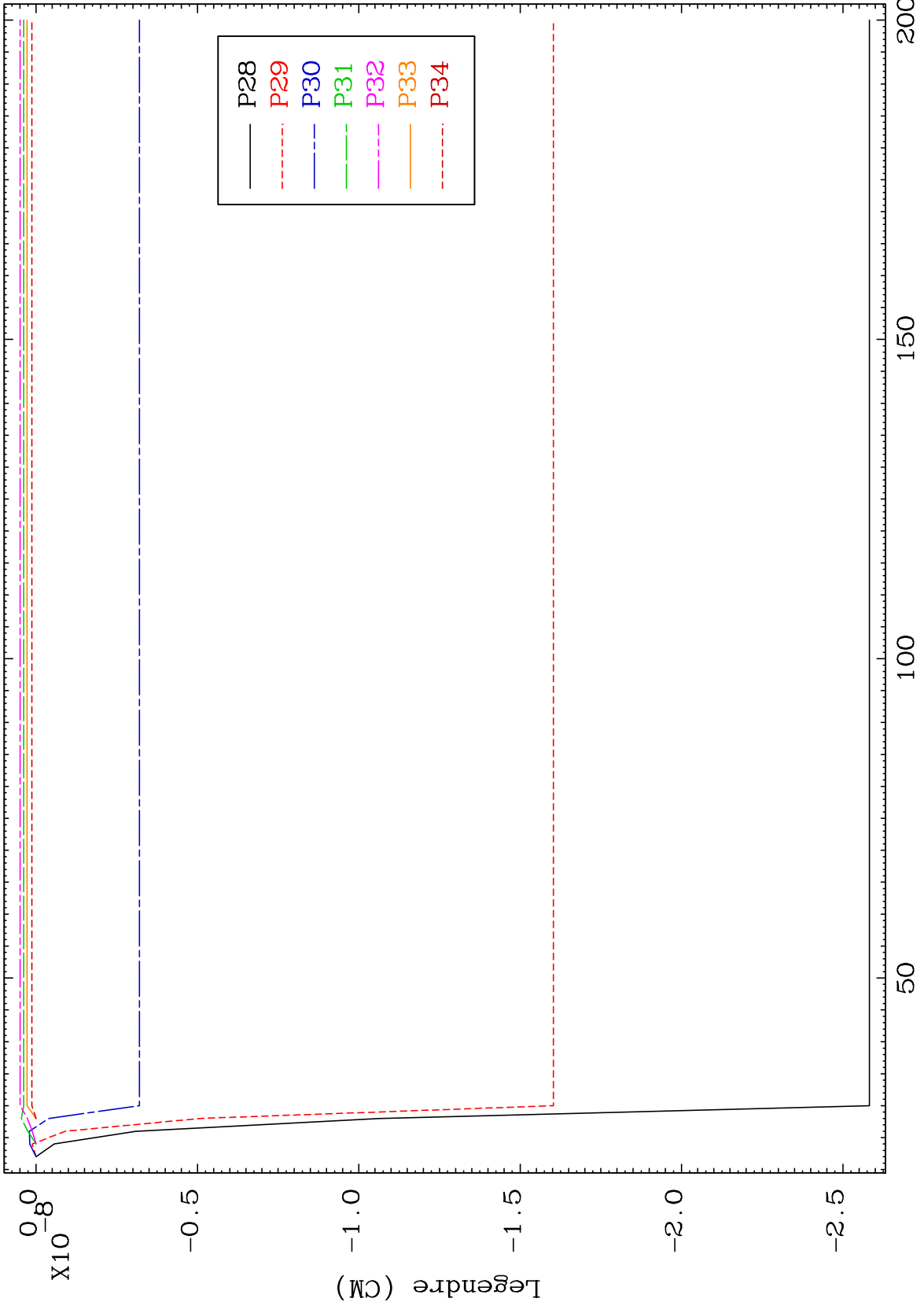
83-Bi-190



49

83-Bi-190

MAT 8268 MT= 59 (n,n') Level Legendre Coefficients 83-Bi-190

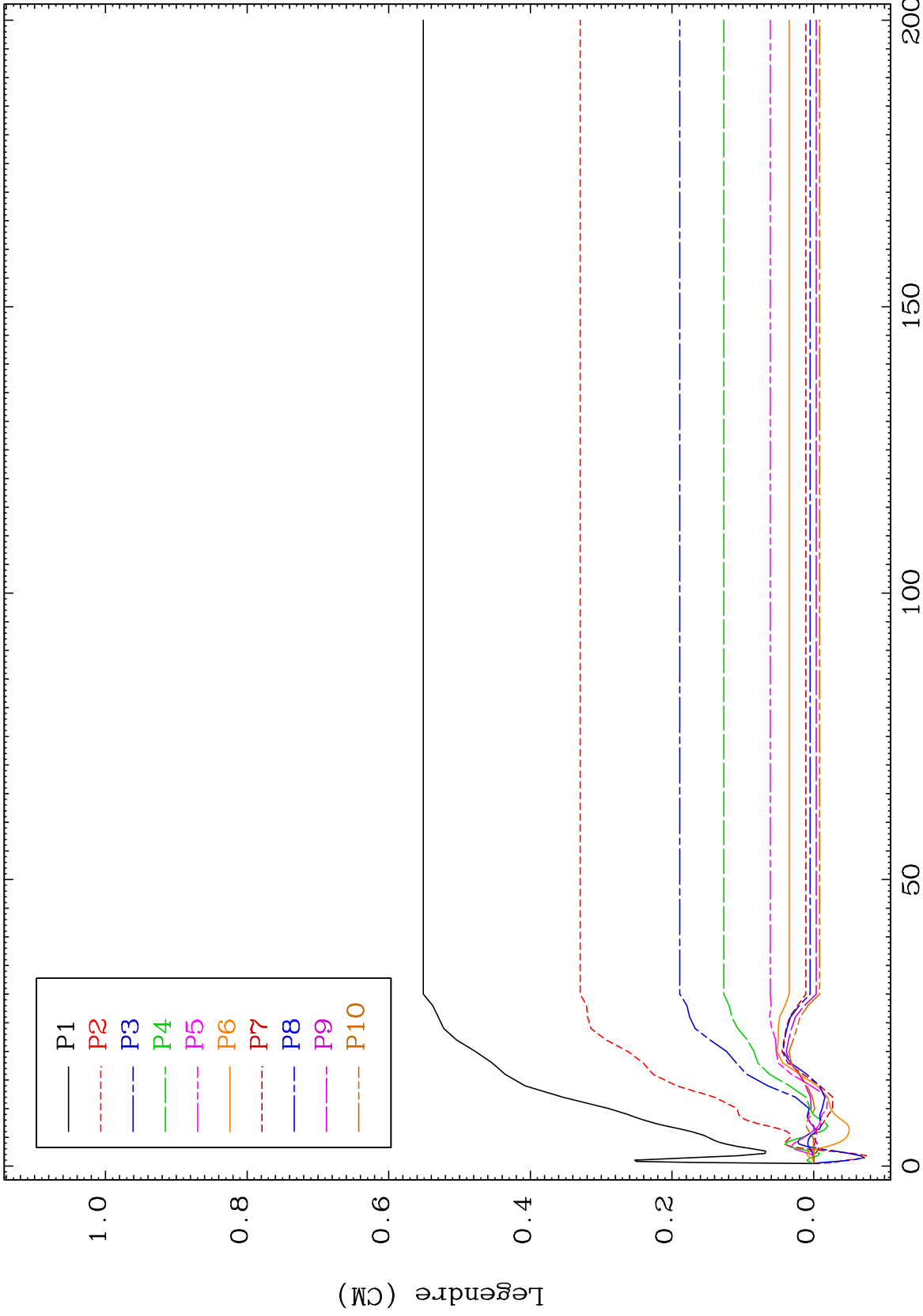


50 100 150 200 Incident Energy (MeV) 83-Bi-190

MAT 8268

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

83-Bi-190



51

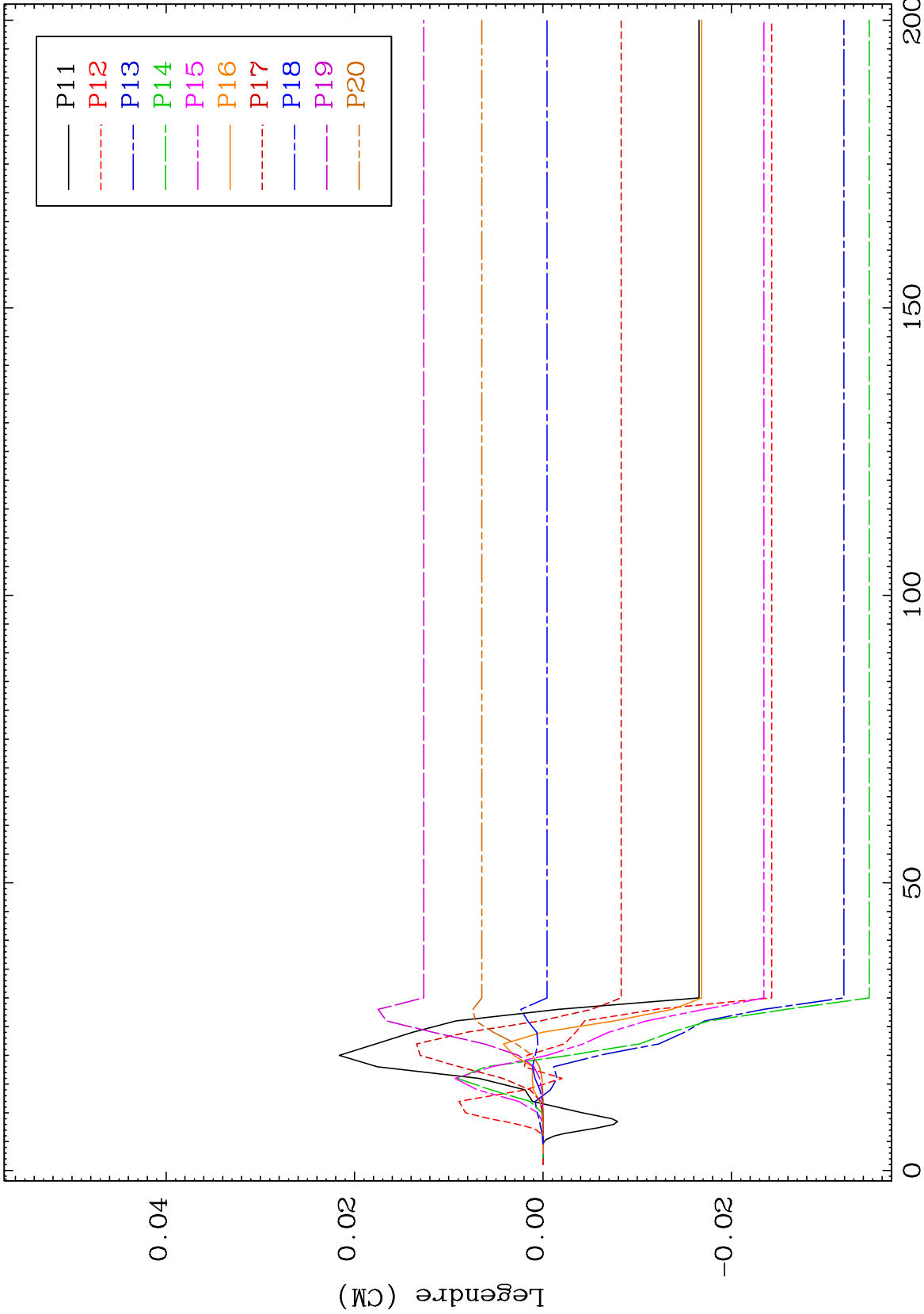
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



52

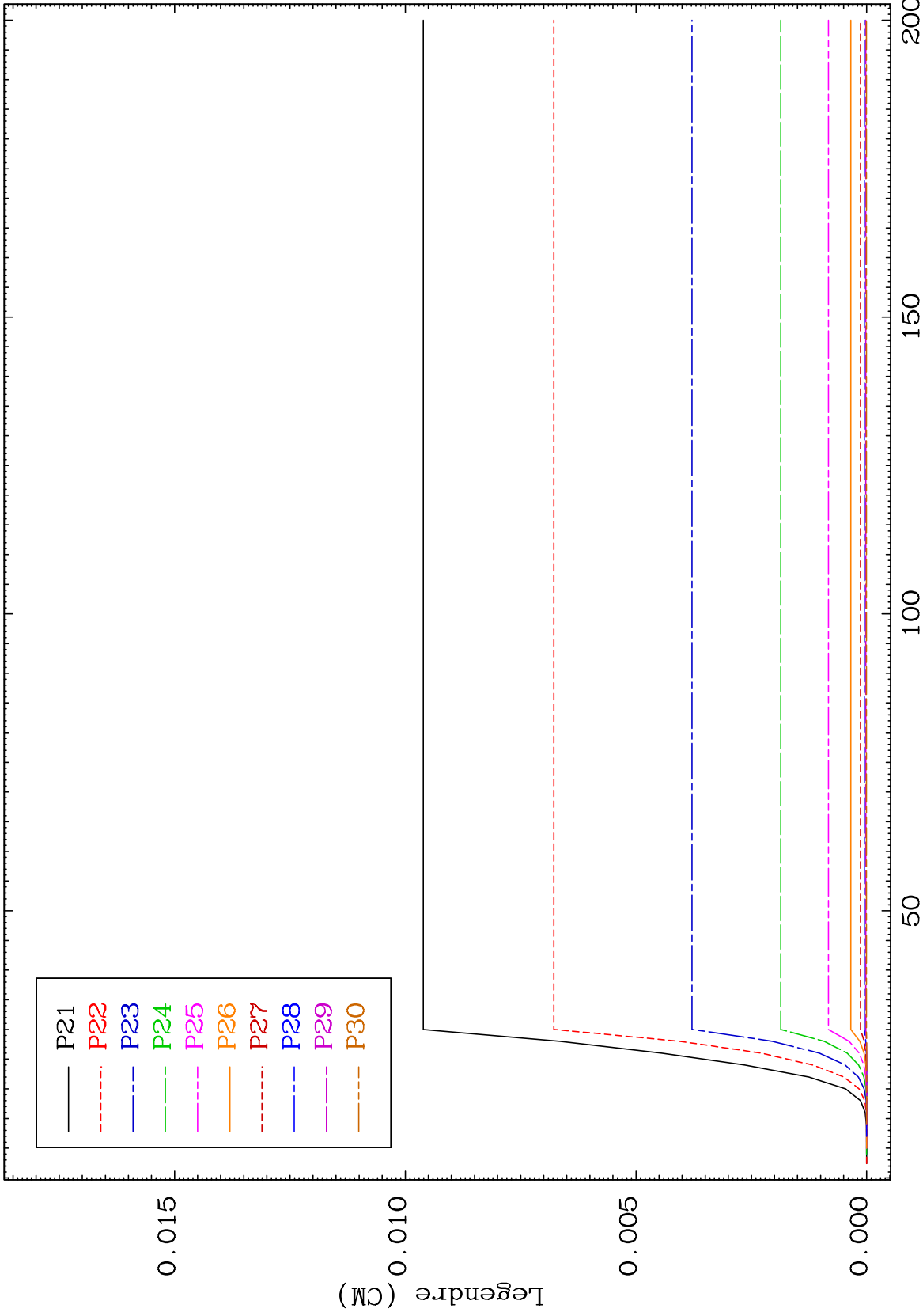
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



53

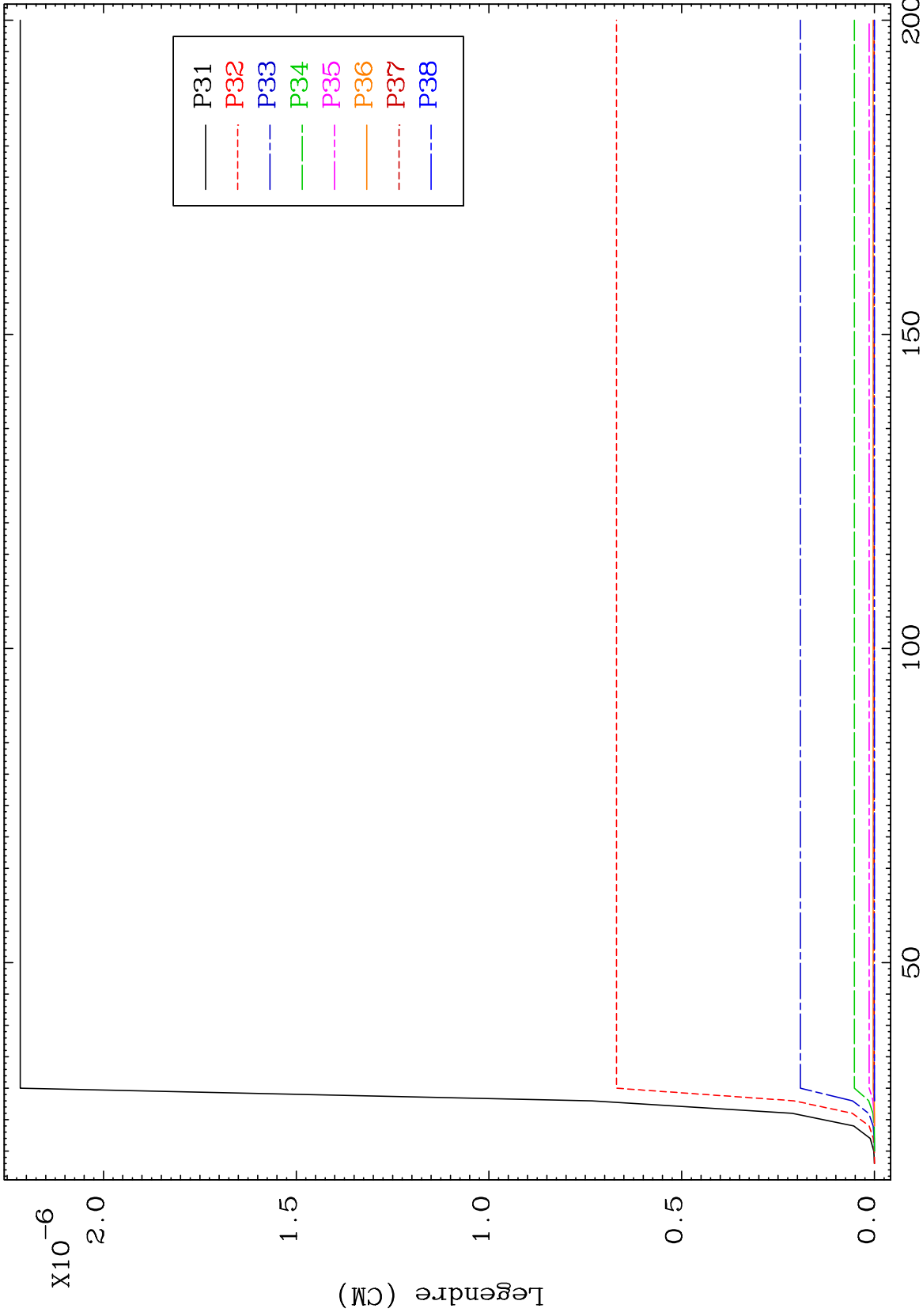
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



54

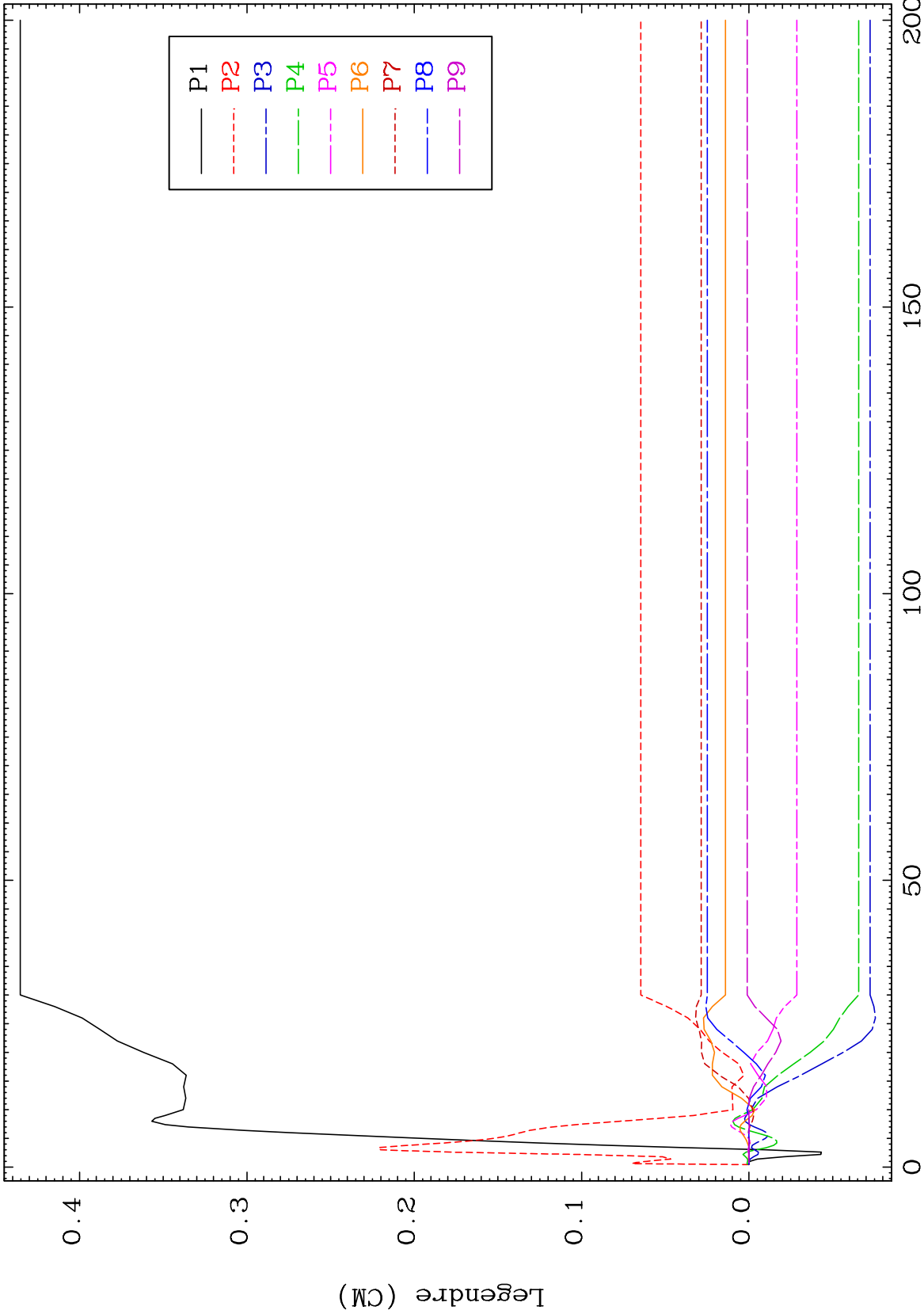
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



55

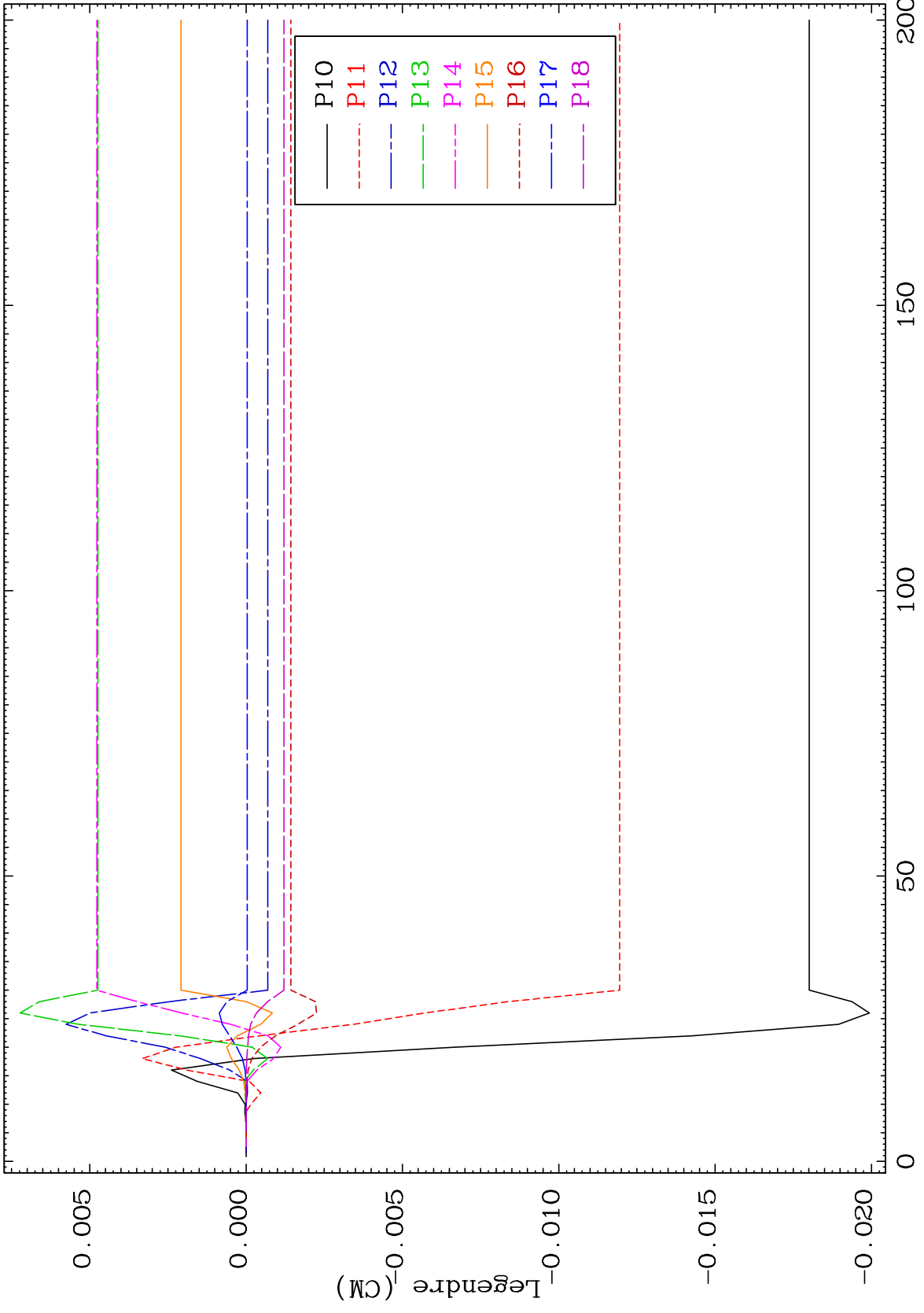
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



56

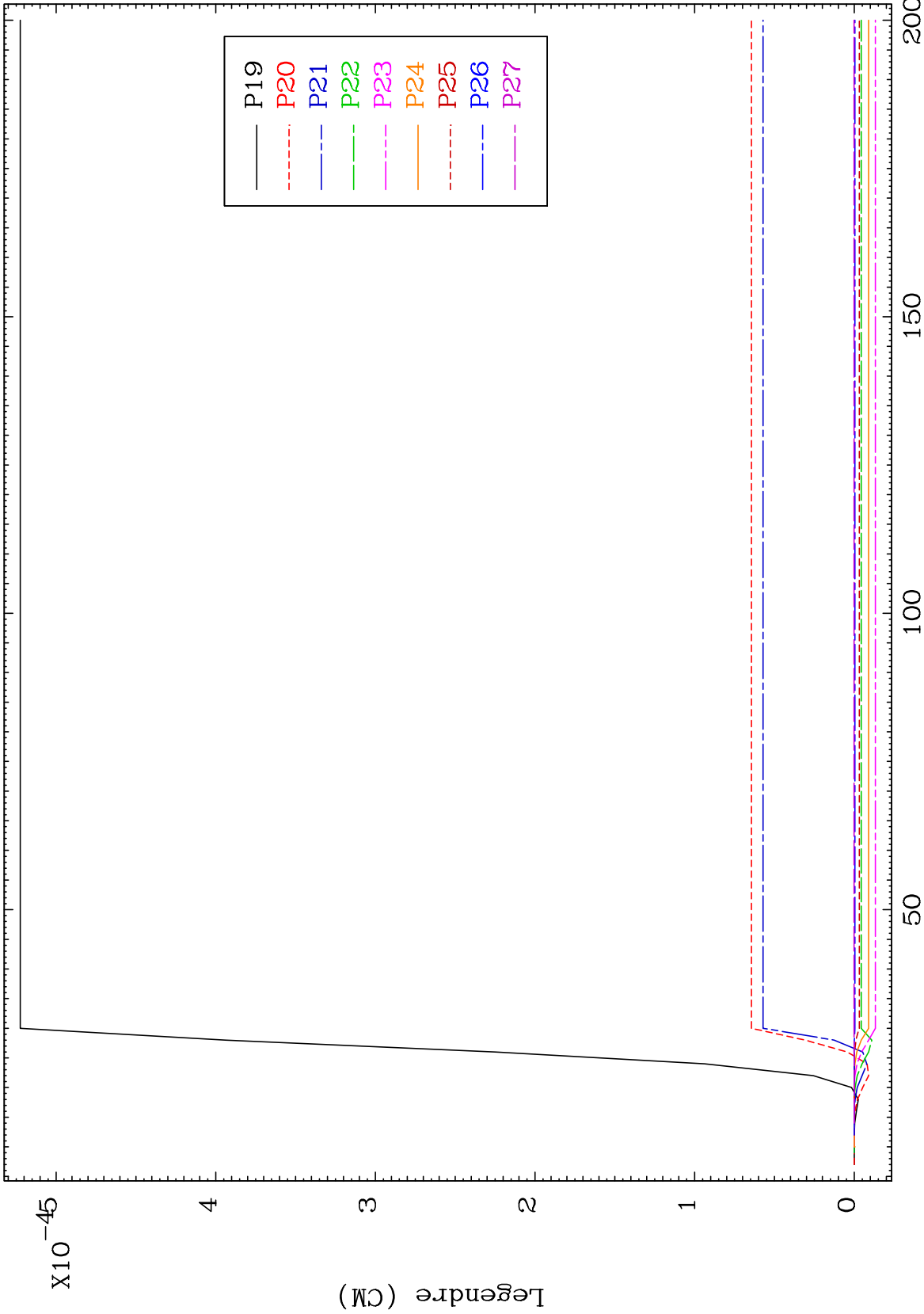
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



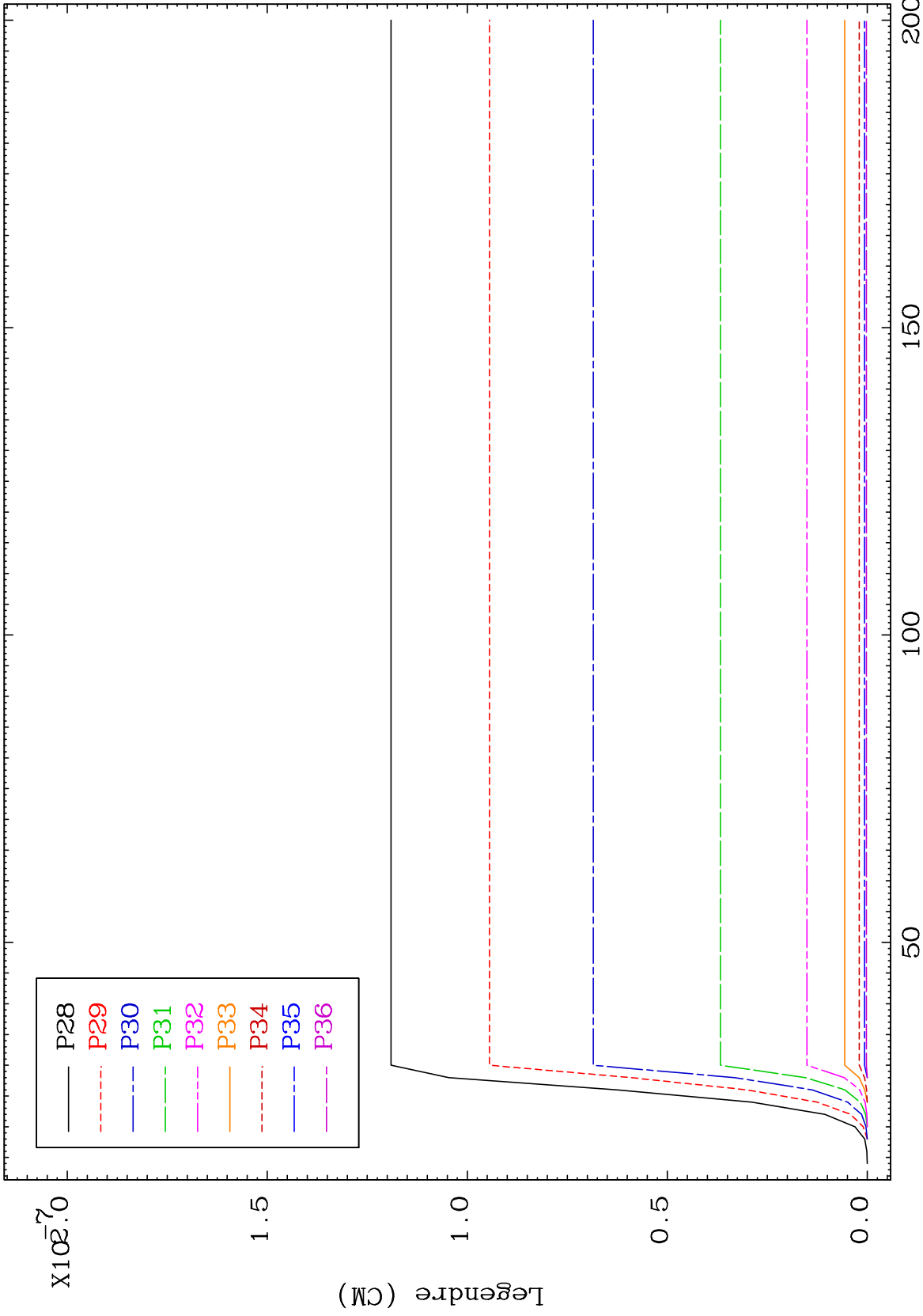
57

83-Bi-190

MAT 8268

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

83-Bi-190



58

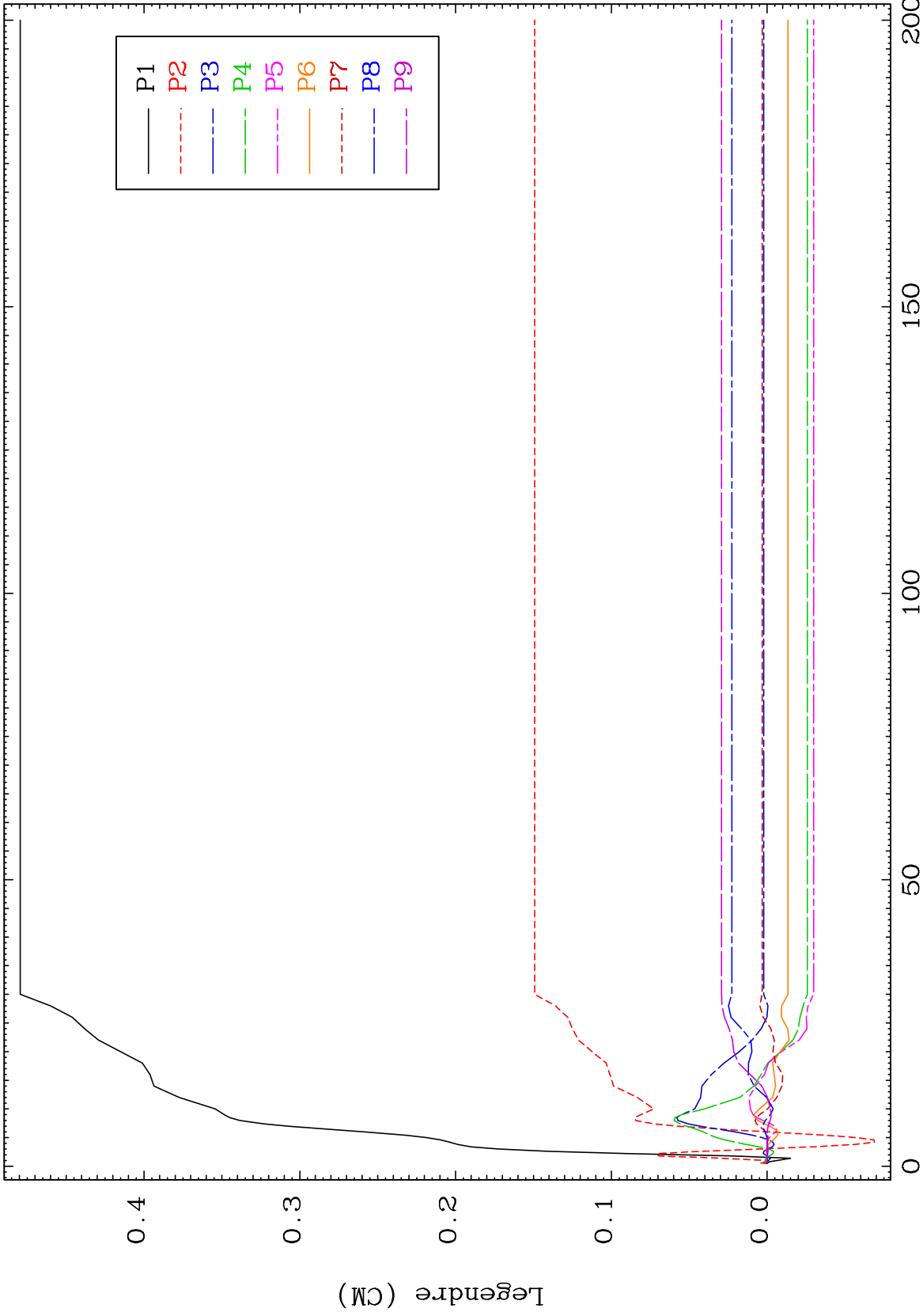
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



59

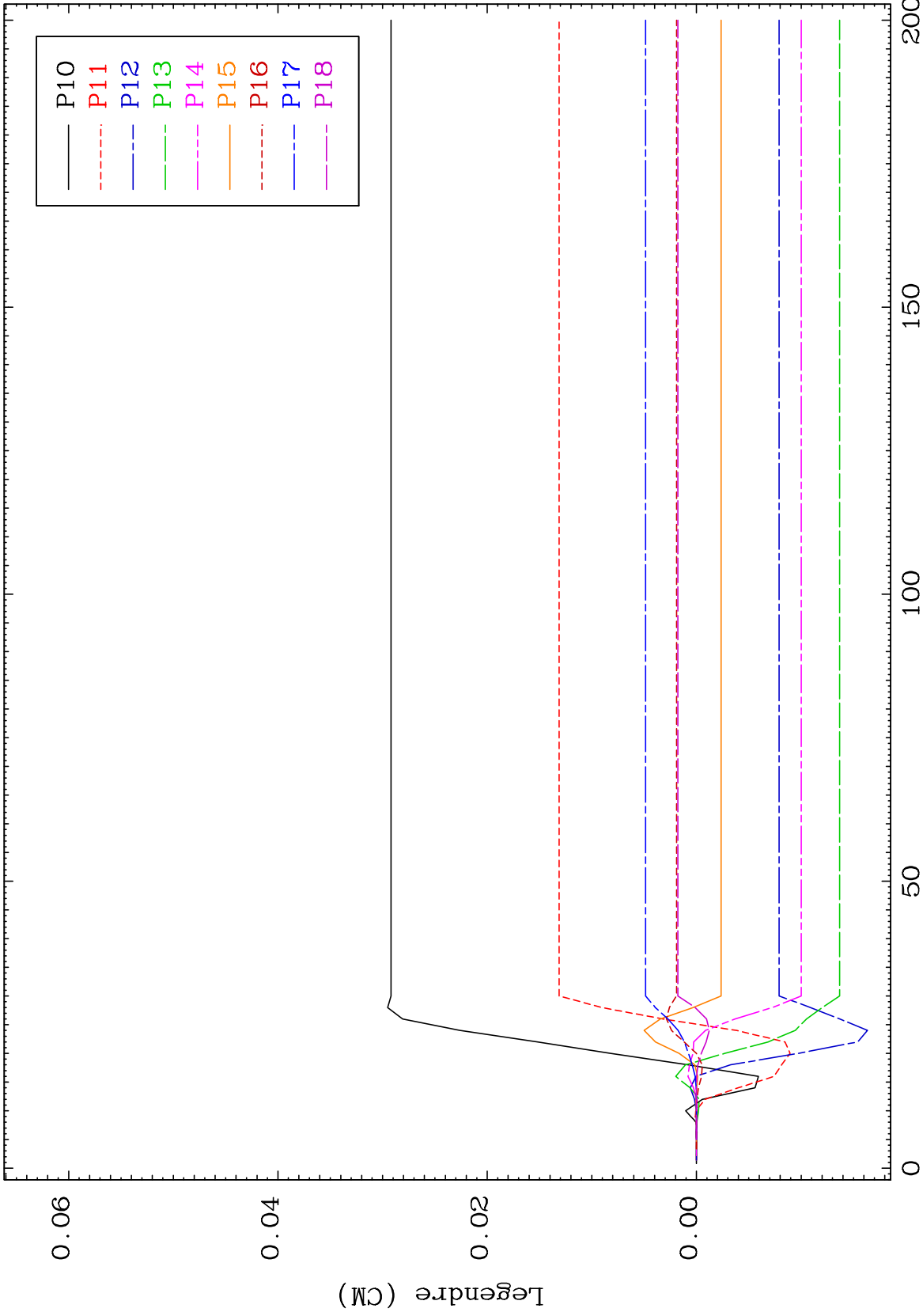
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



83-Bi-190

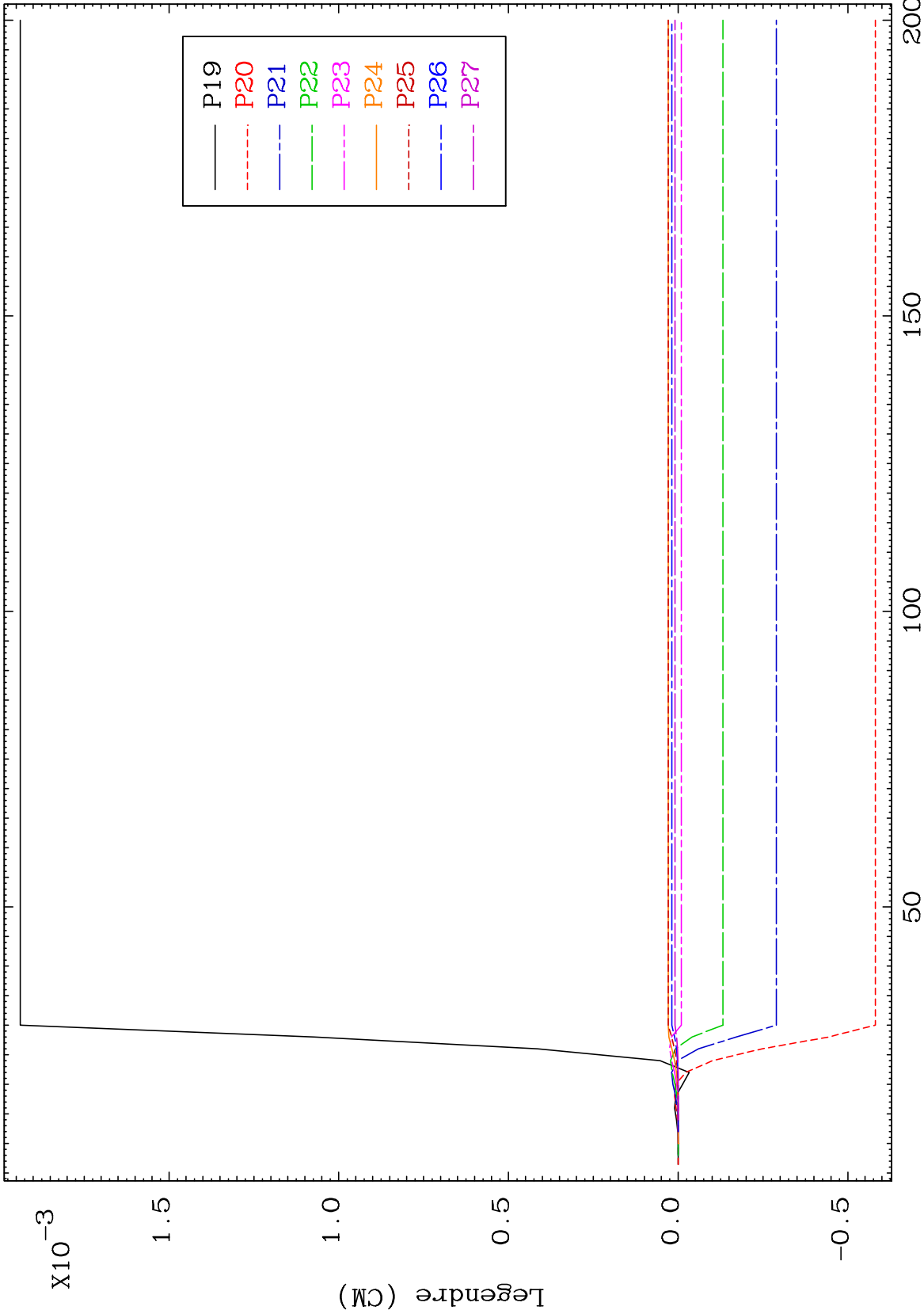
Incident Energy (MeV)

60

MAT 8268

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

83-Bi-190



61

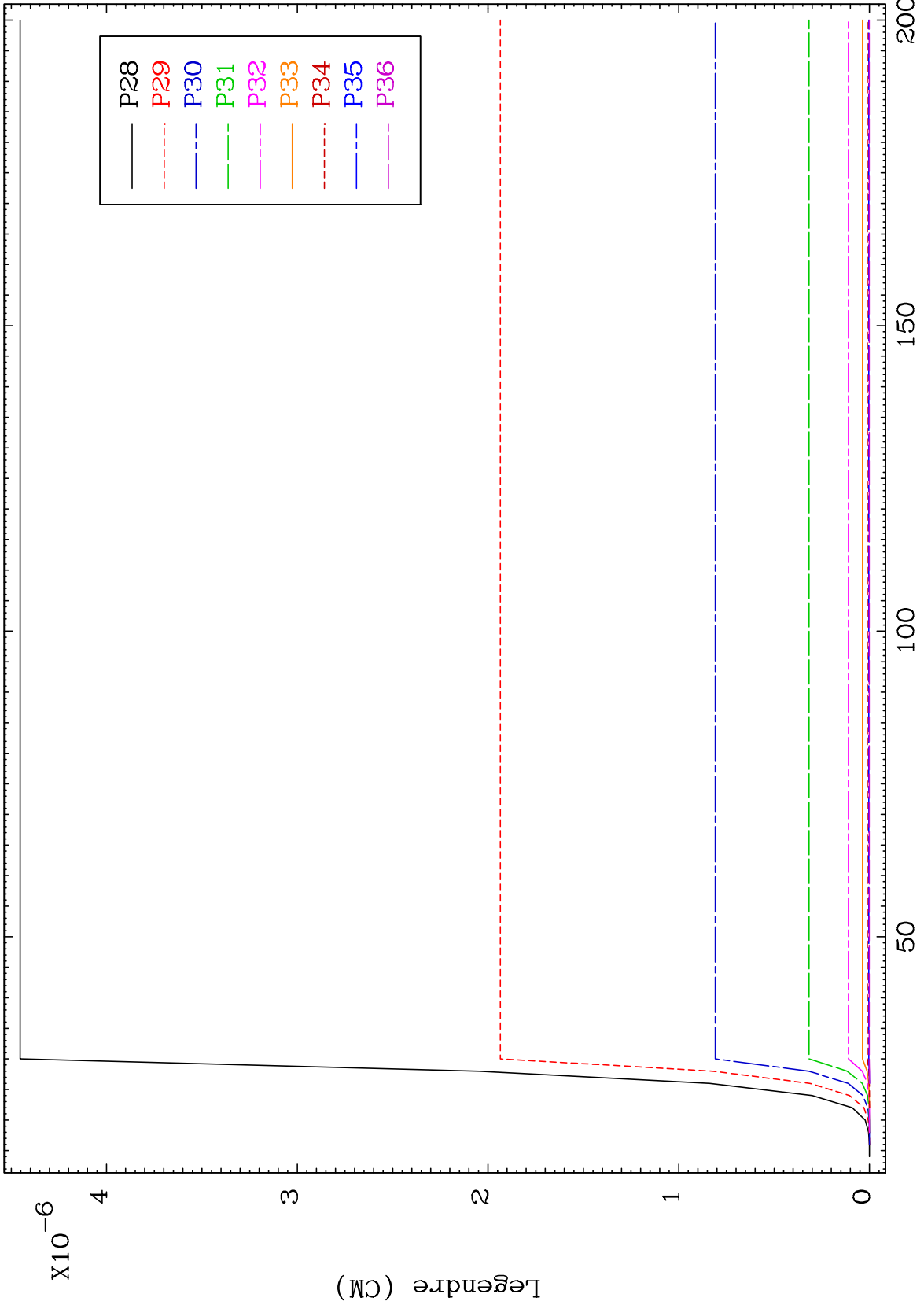
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



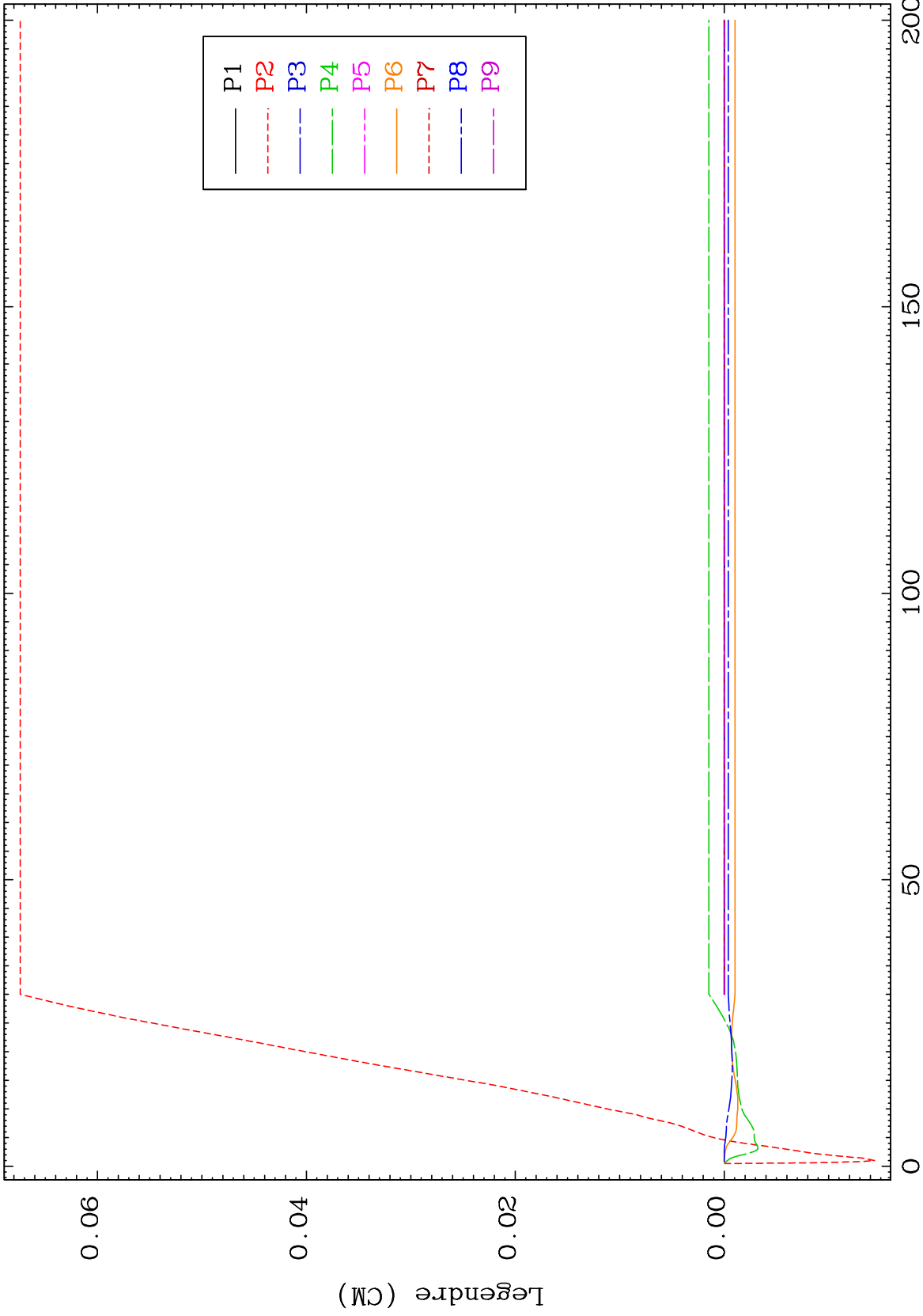
62

83-Bi-190

MAT 8268

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

83-Bi-190



63

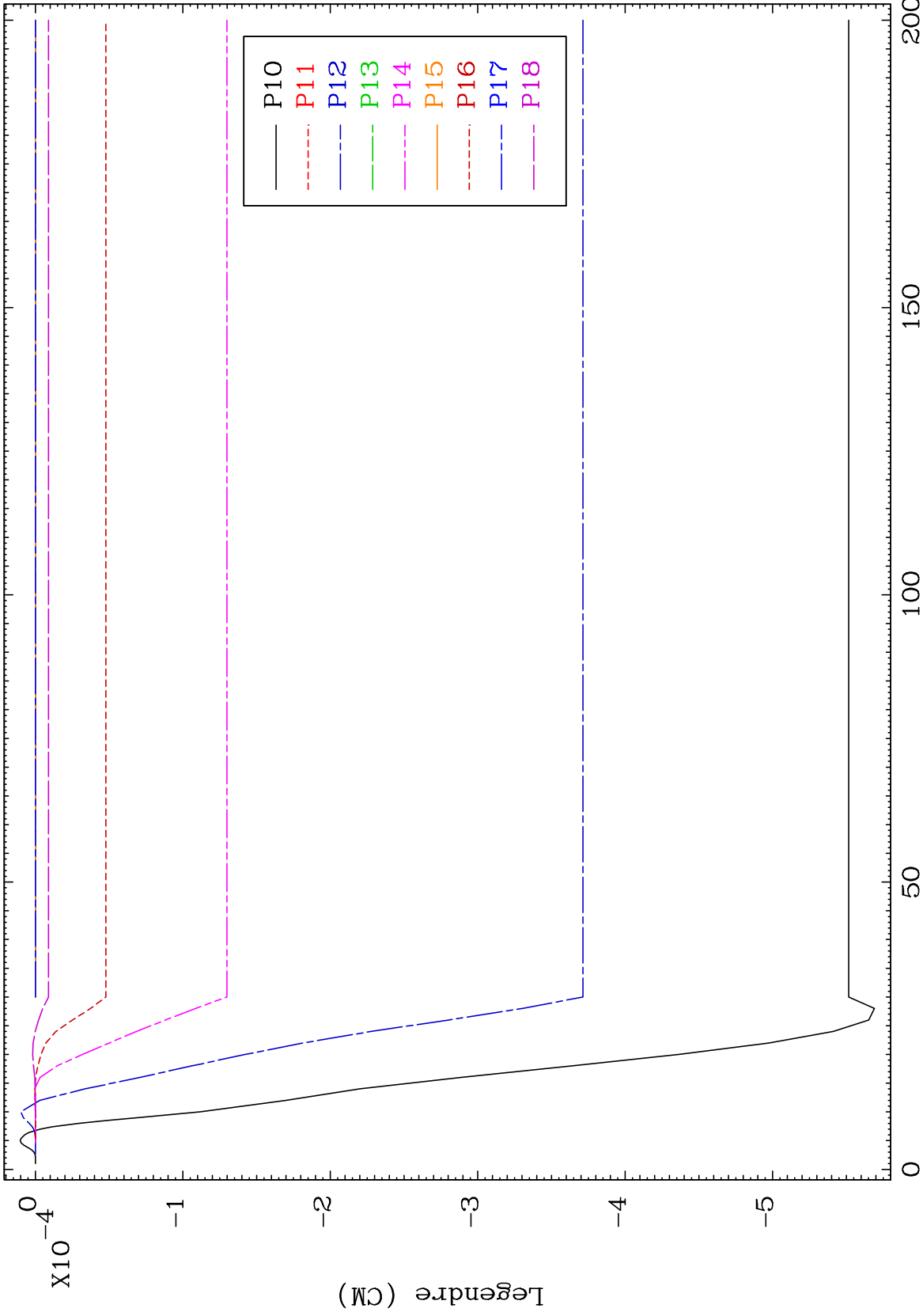
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



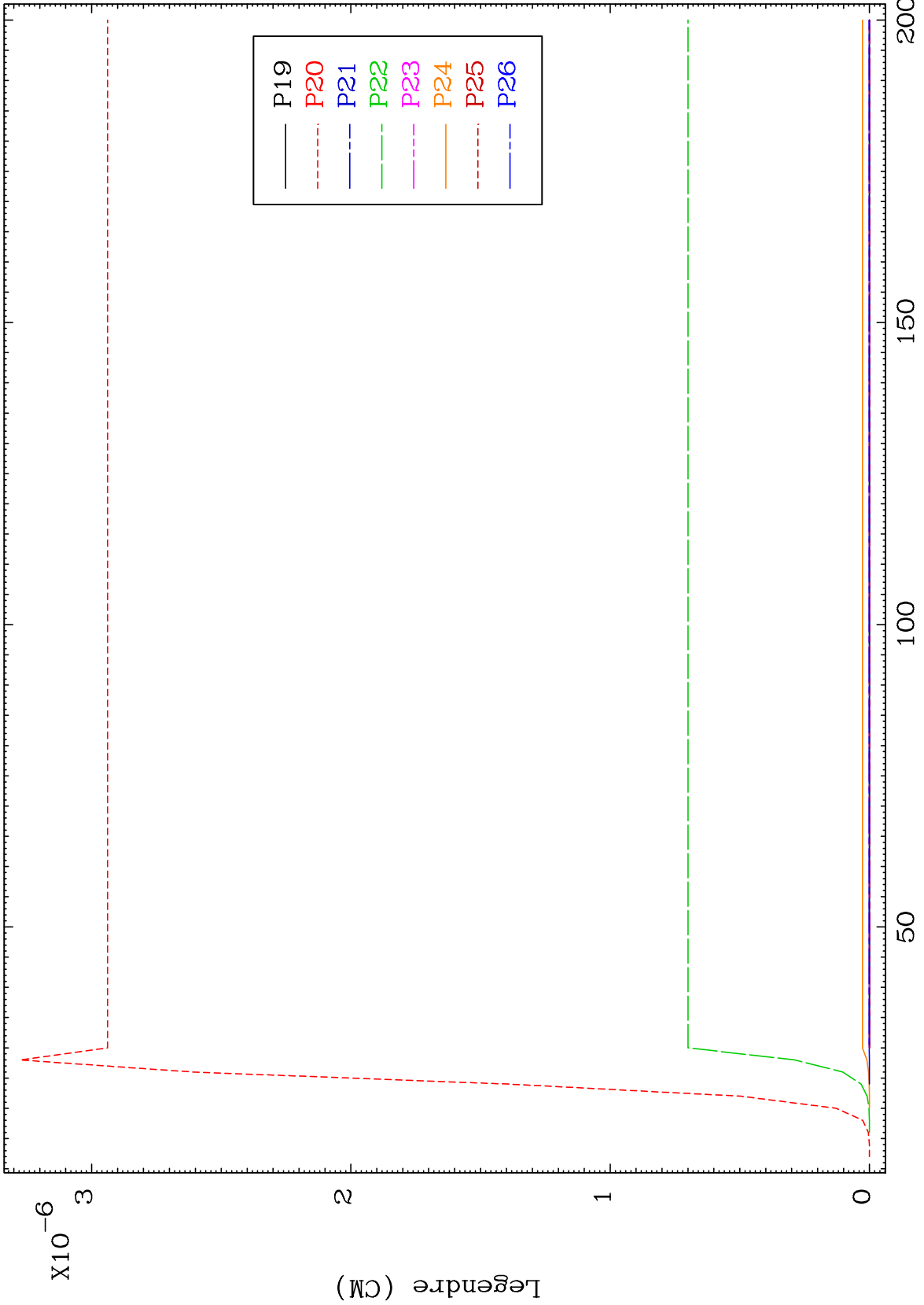
64

83-Bi-190

MAT 8268

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

83-Bi-190

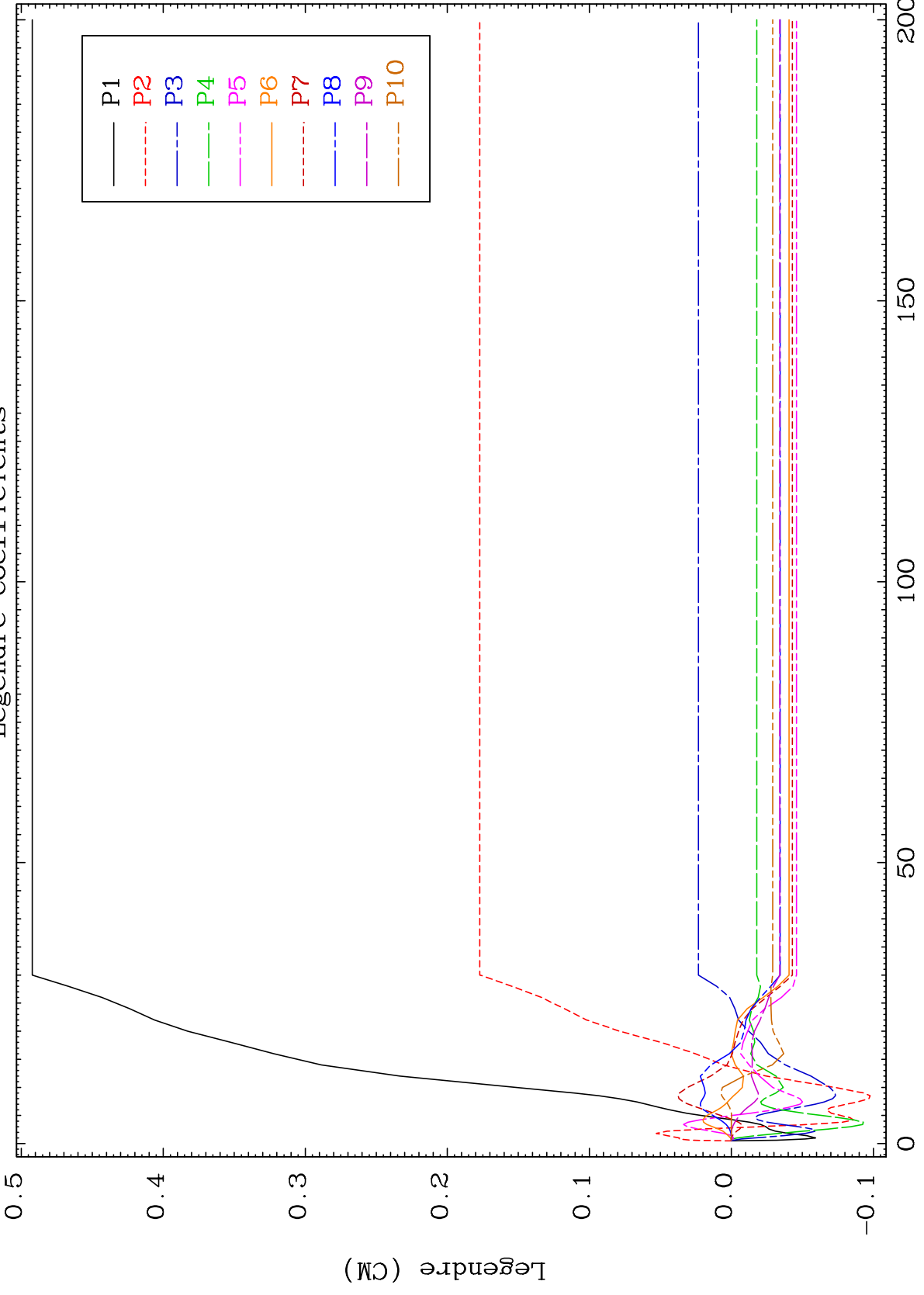


65

Incident Energy (MeV)

83-Bi-190

MAT 8268 MT= 64 (n,n') Level Legendre Coefficients 83-Bi-190

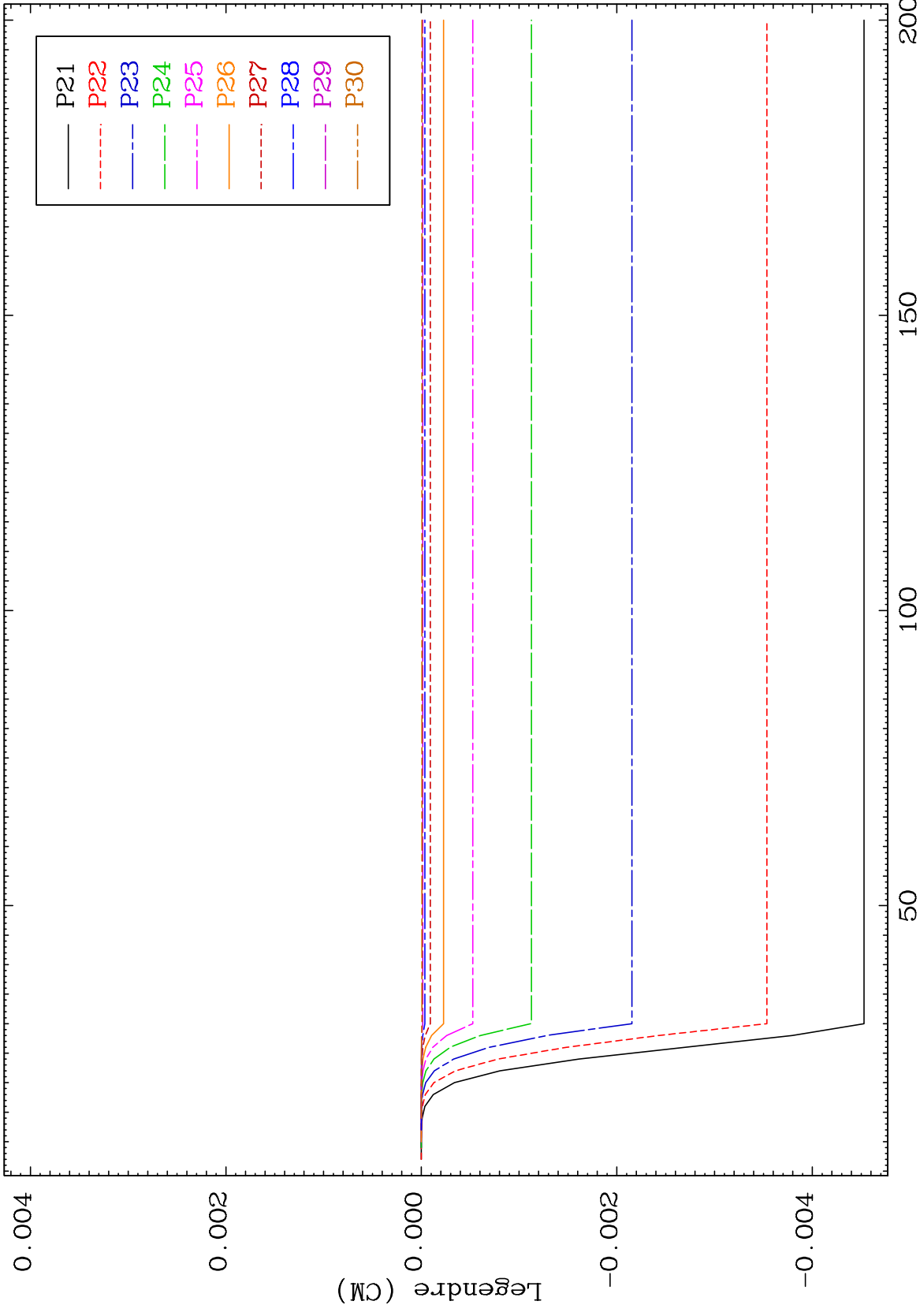


66 83-Bi-190

MAT 8268

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

83-Bi-190



68

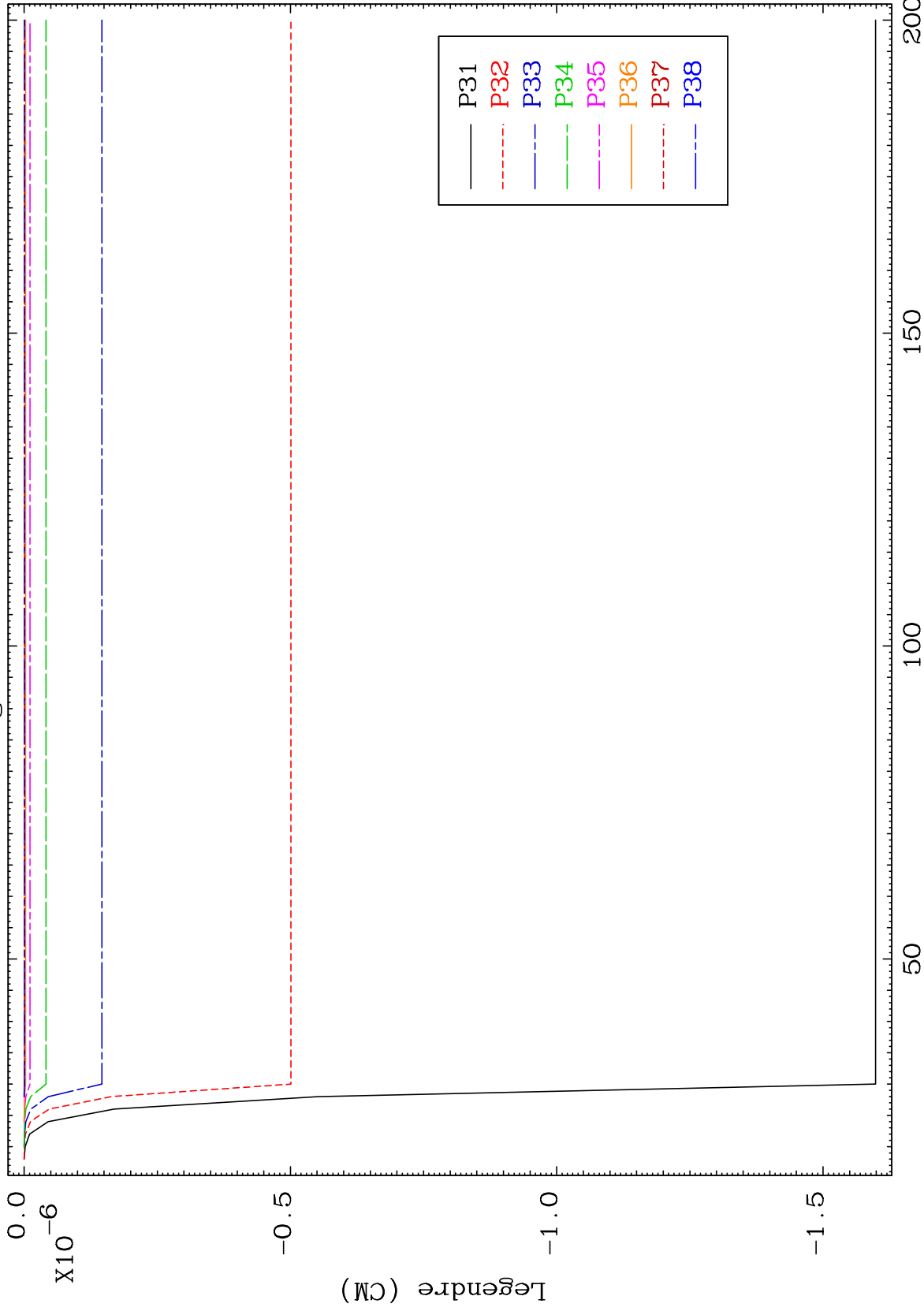
Incident Energy (MeV)

83-Bi-190

MAT 8268

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

83-Bi-190



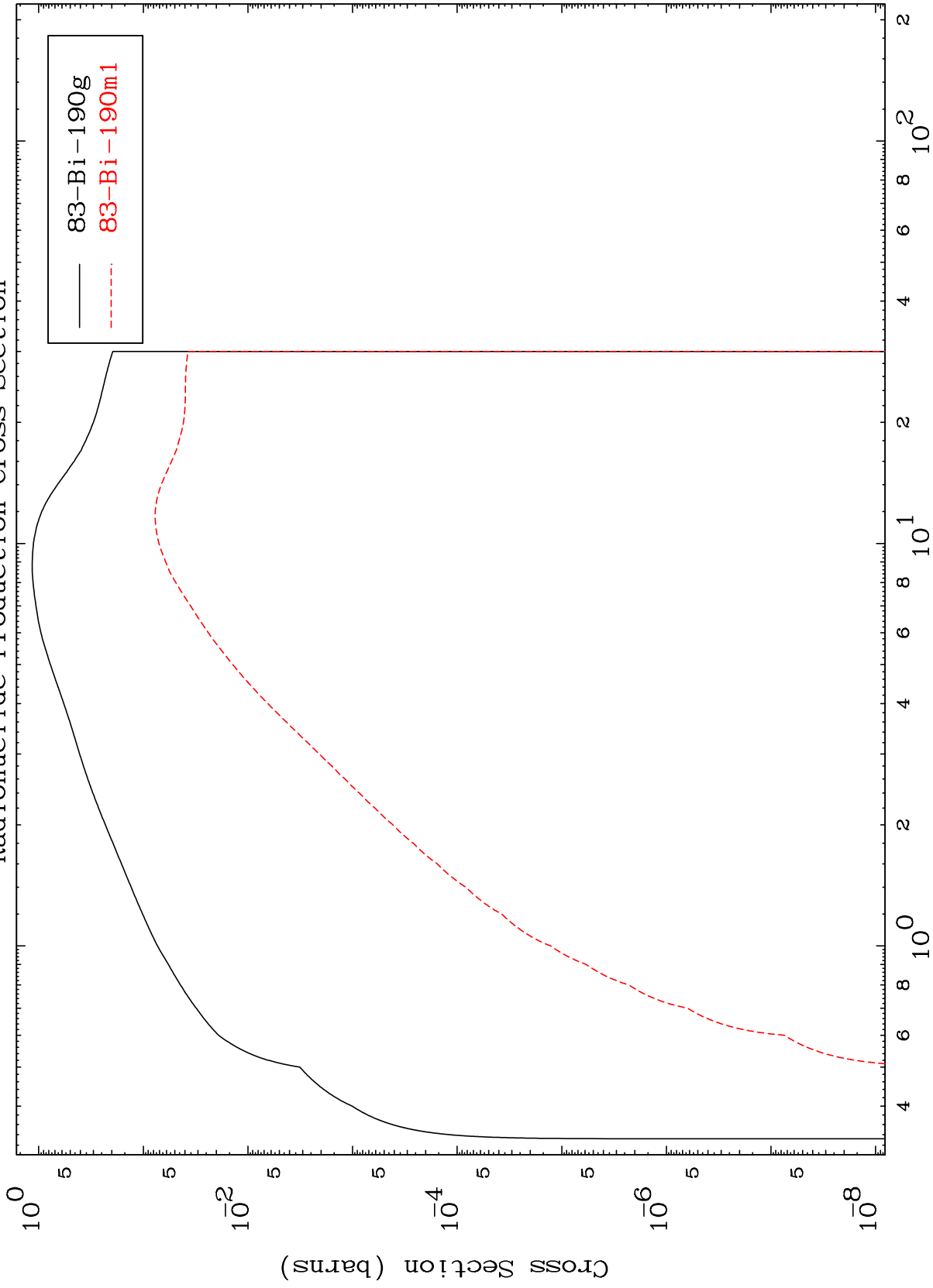
69

83-Bi-190

MAT 8268

83-Bi-190

Inelastic
Radionuclide Production Cross Section



70

Incident Energy (MeV)

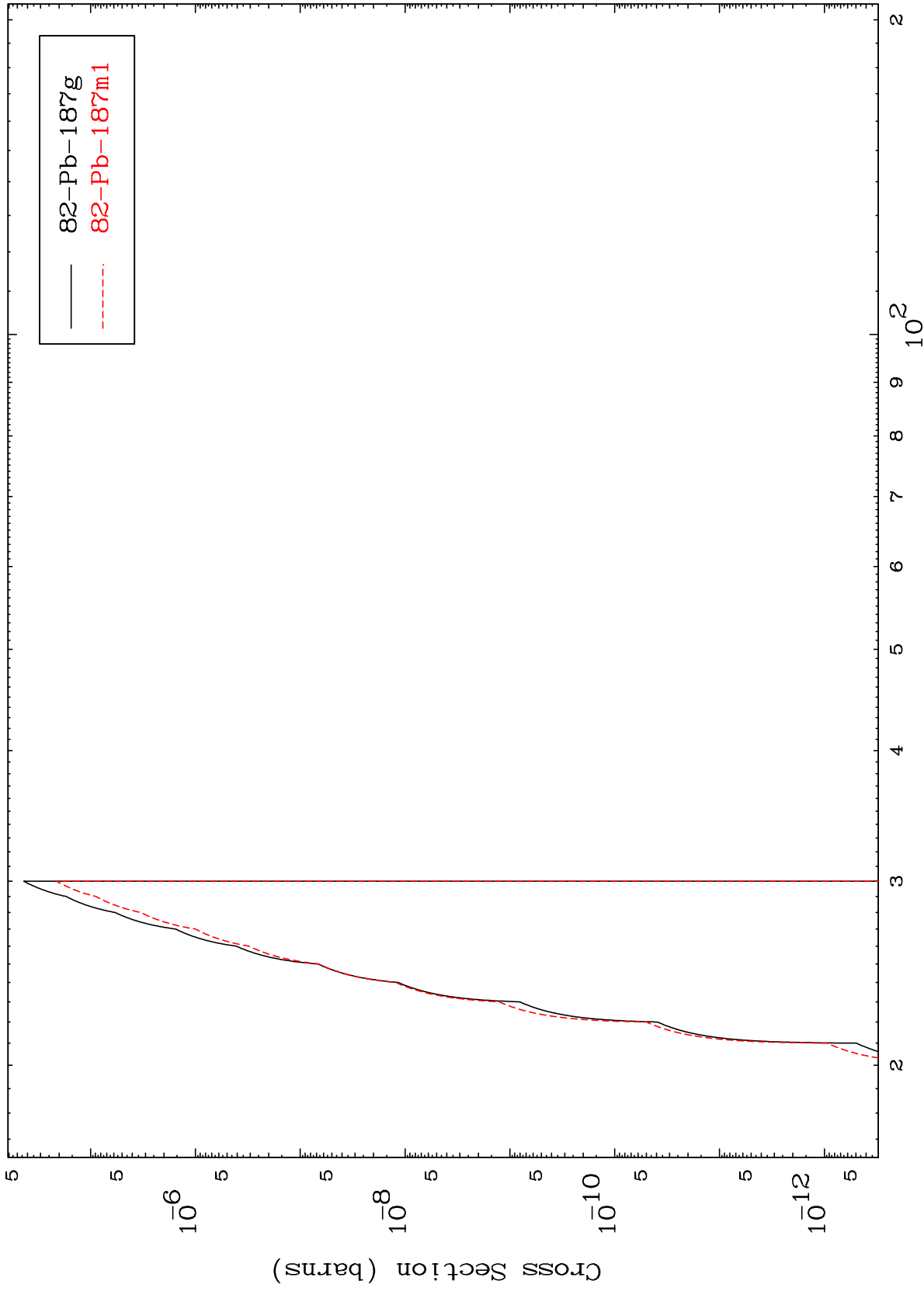
83-Bi-190

MAT 8268

(n,2n) d

83-Bi-190

Radionuclide Production Cross Section



71

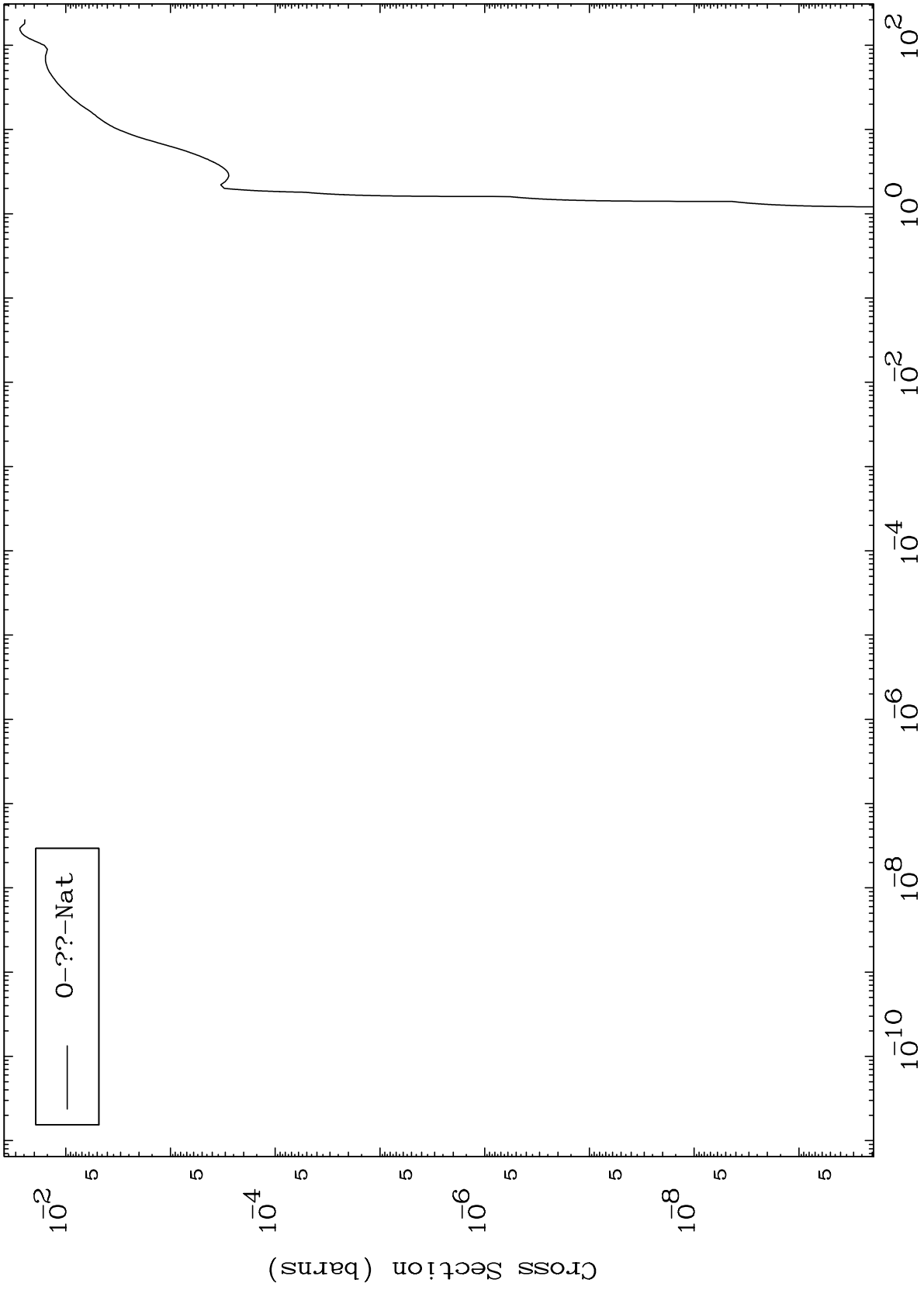
Incident Energy (MeV)

83-Bi-190

MAT 8268

Fission
Radionuclide Production Cross Section

83-Bi-190



72

Incident Energy (MeV)

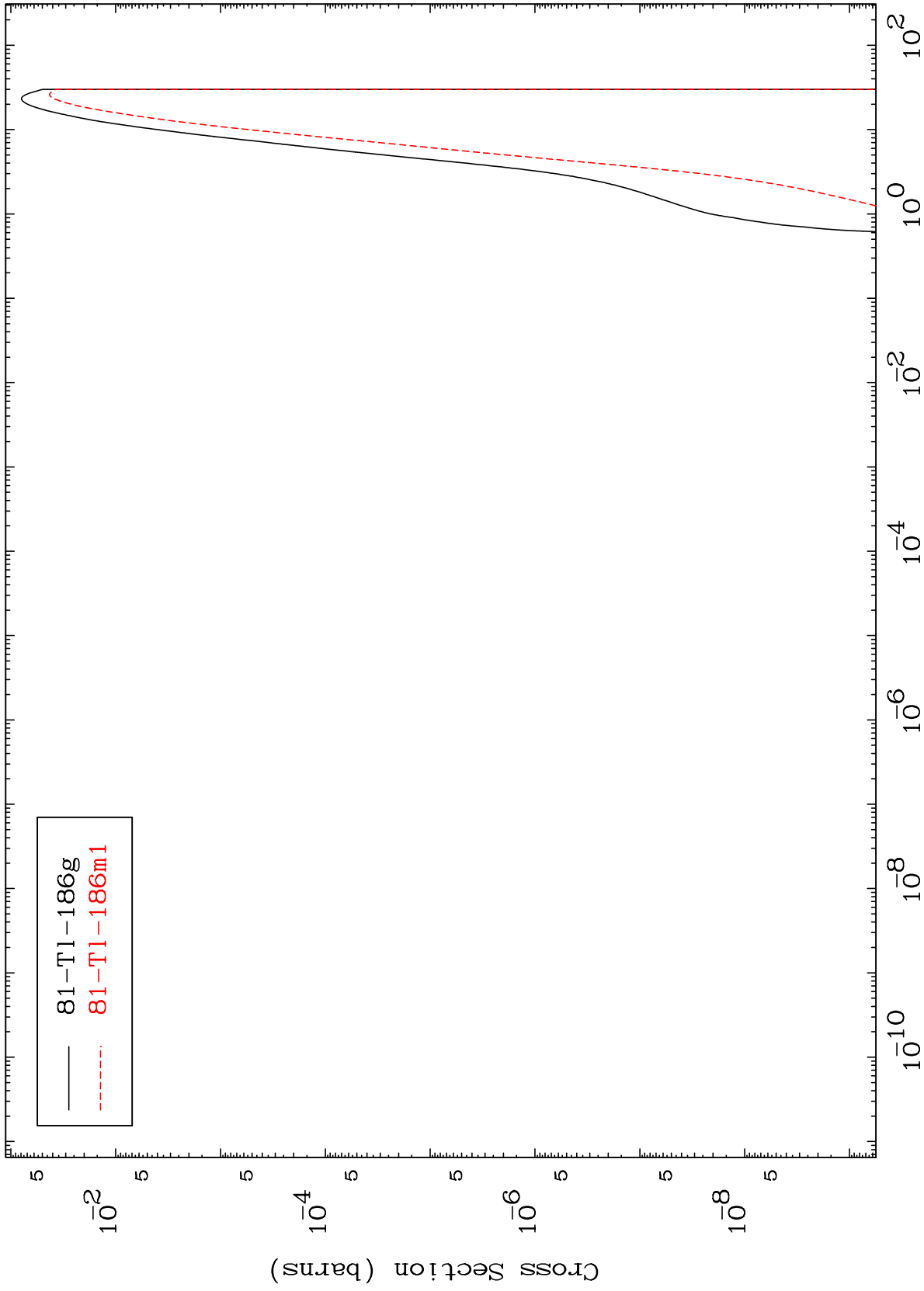
83-Bi-190

MAT 8268

(n,n') α

83-Bi-190

Radionuclide Production Cross Section



73

Incident Energy (MeV)

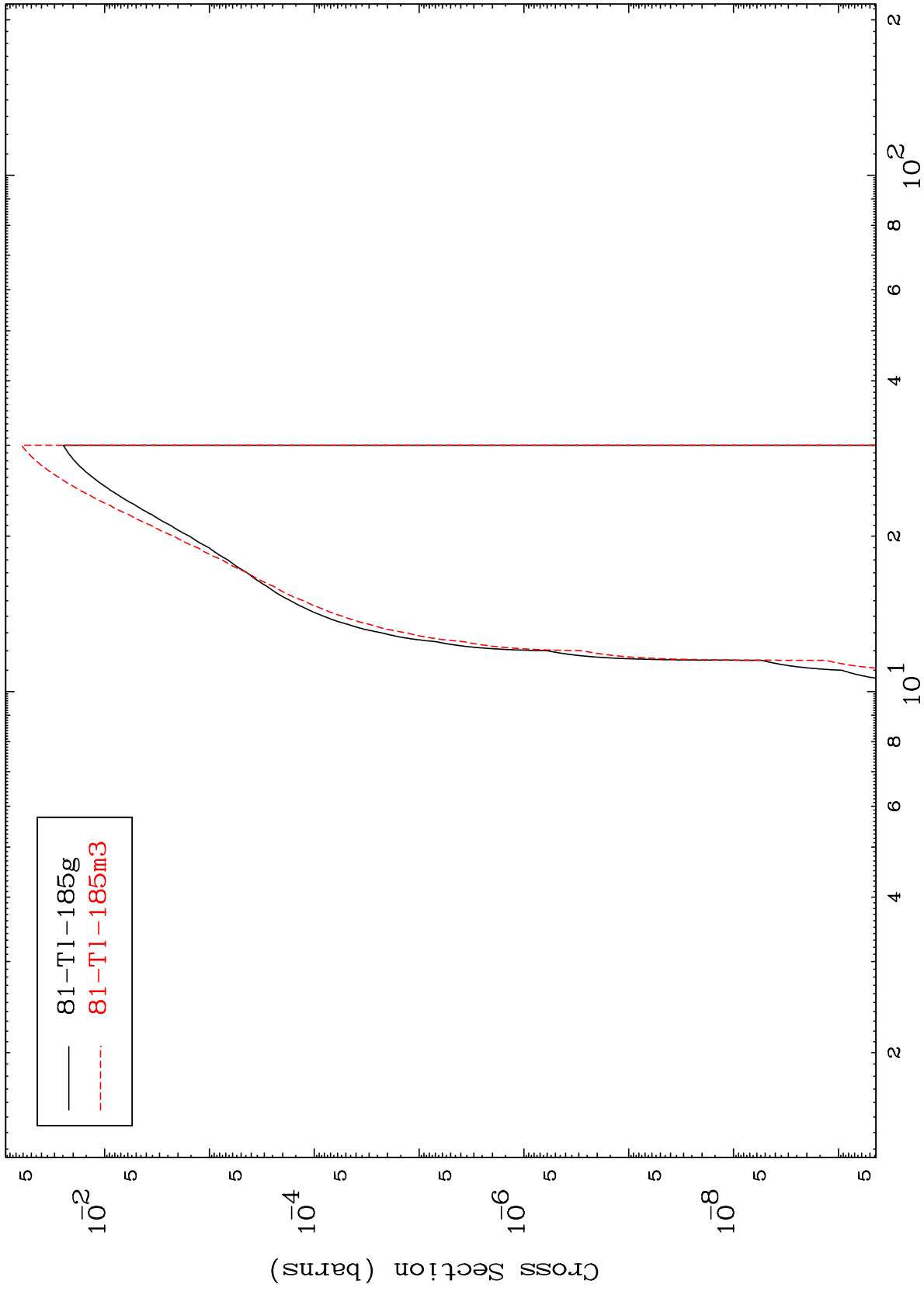
83-Bi-190

MAT 8268

(n,2n) α

83-Bi-190

Radionuclide Production Cross Section



74

Incident Energy (MeV)

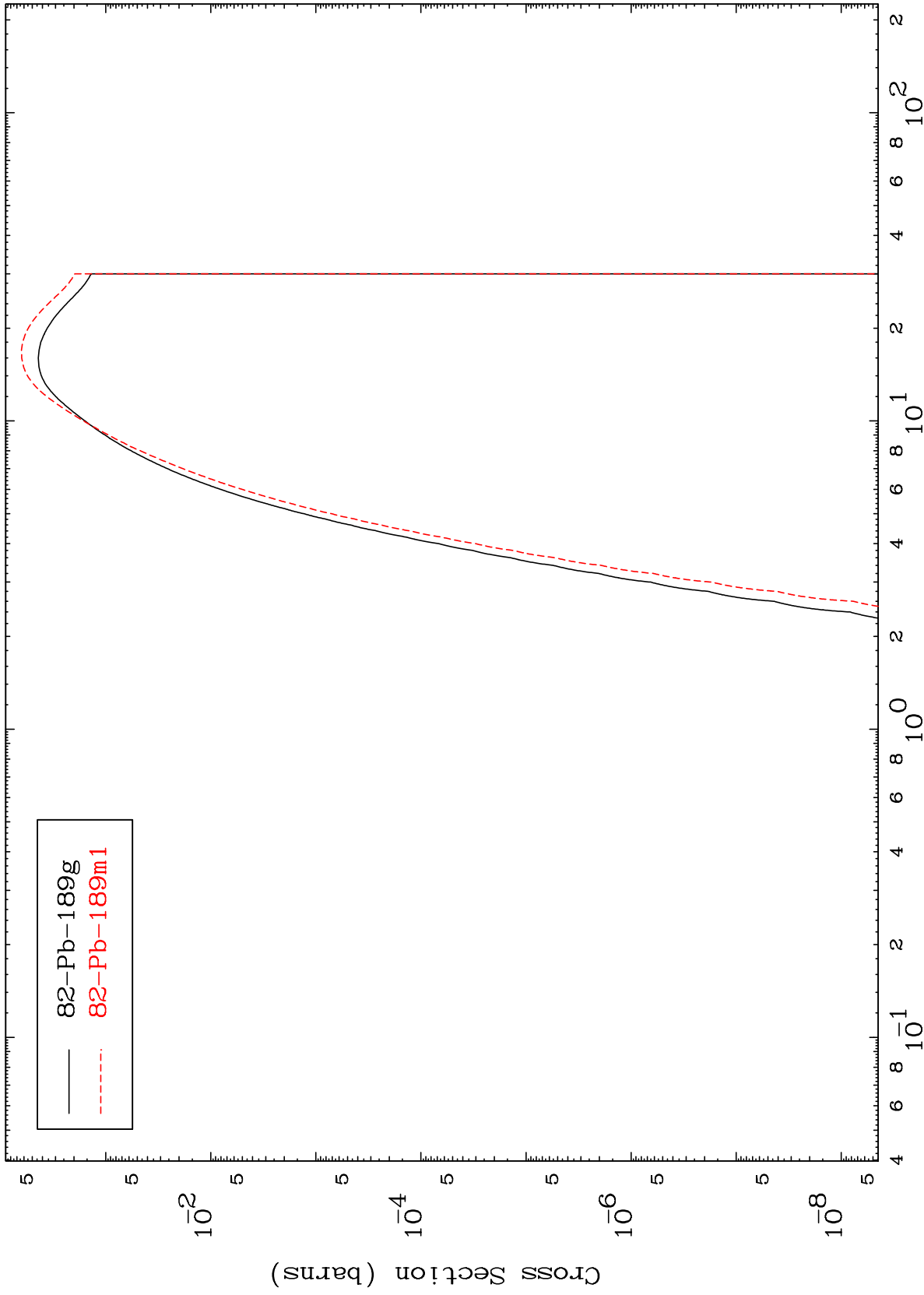
83-Bi-190

MAT 8268

(n,n') p

83-Bi-190

Radionuclide Production Cross Section



75

Incident Energy (MeV)

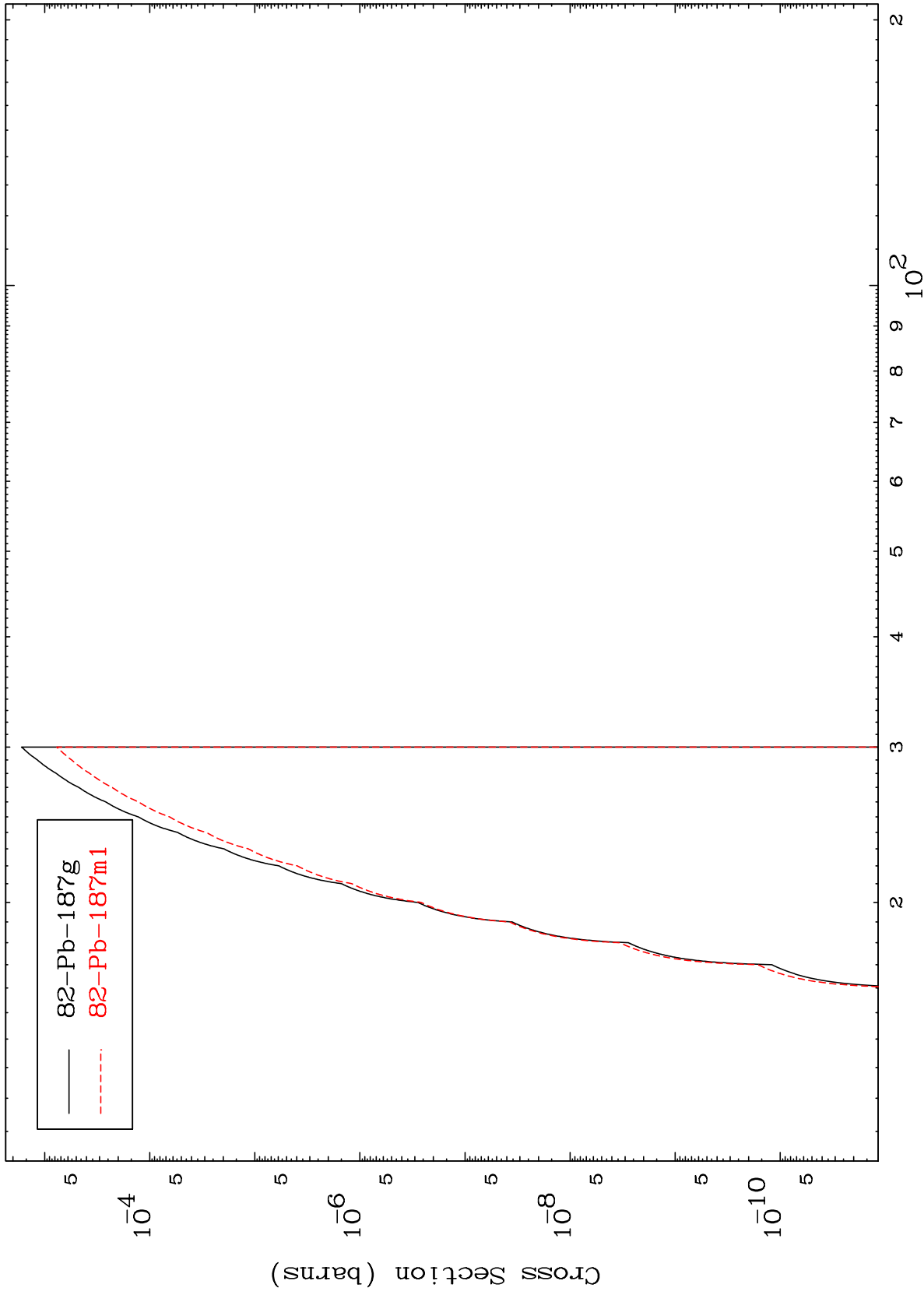
83-Bi-190

MAT 8268

(n,n') t

83-Bi-190

Radionuclide Production Cross Section



76

Incident Energy (MeV)

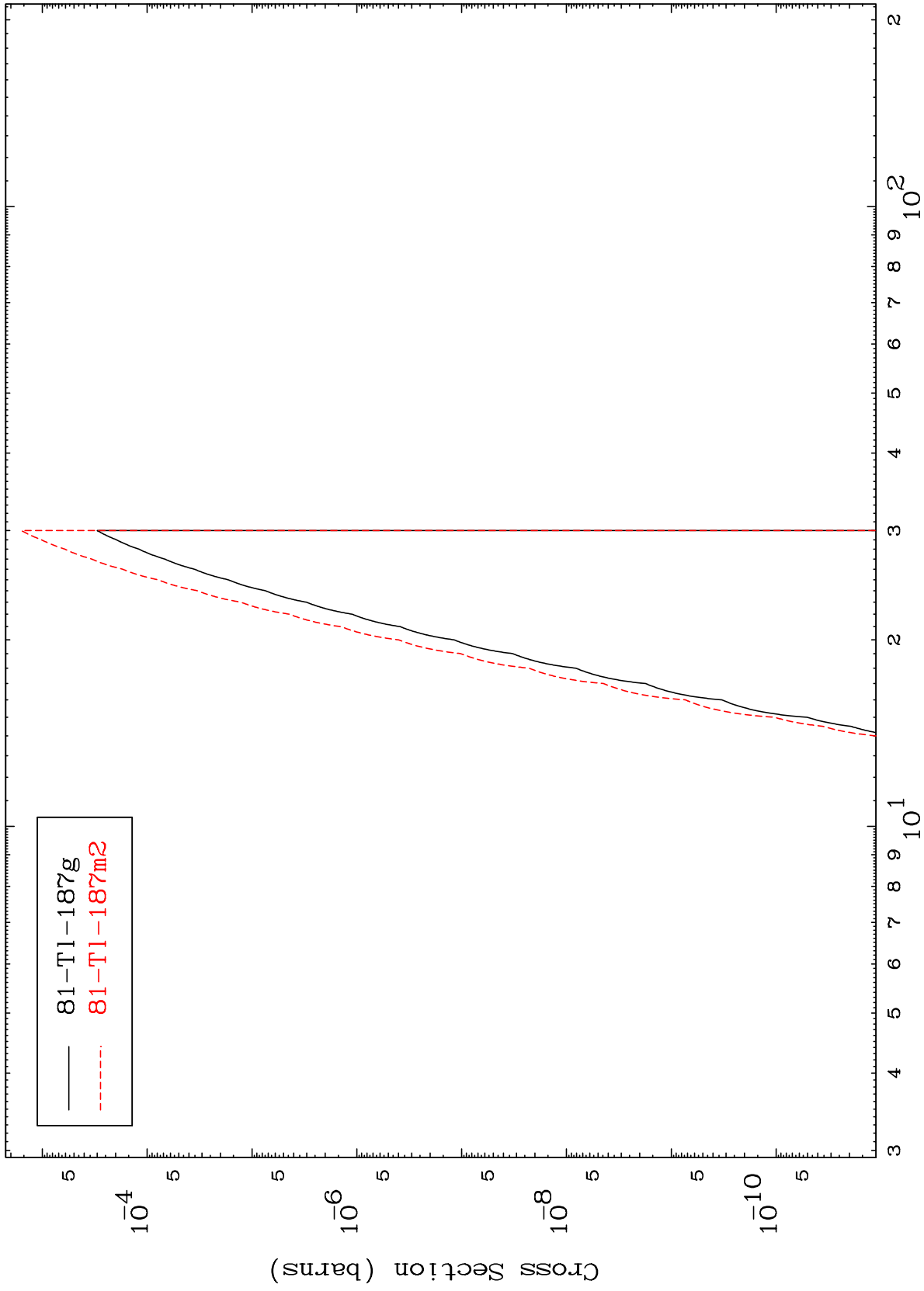
83-Bi-190

MAT 8268

(n, n') He-3

83-Bi-190

Radionuclide Production Cross Section



77

Incident Energy (MeV)

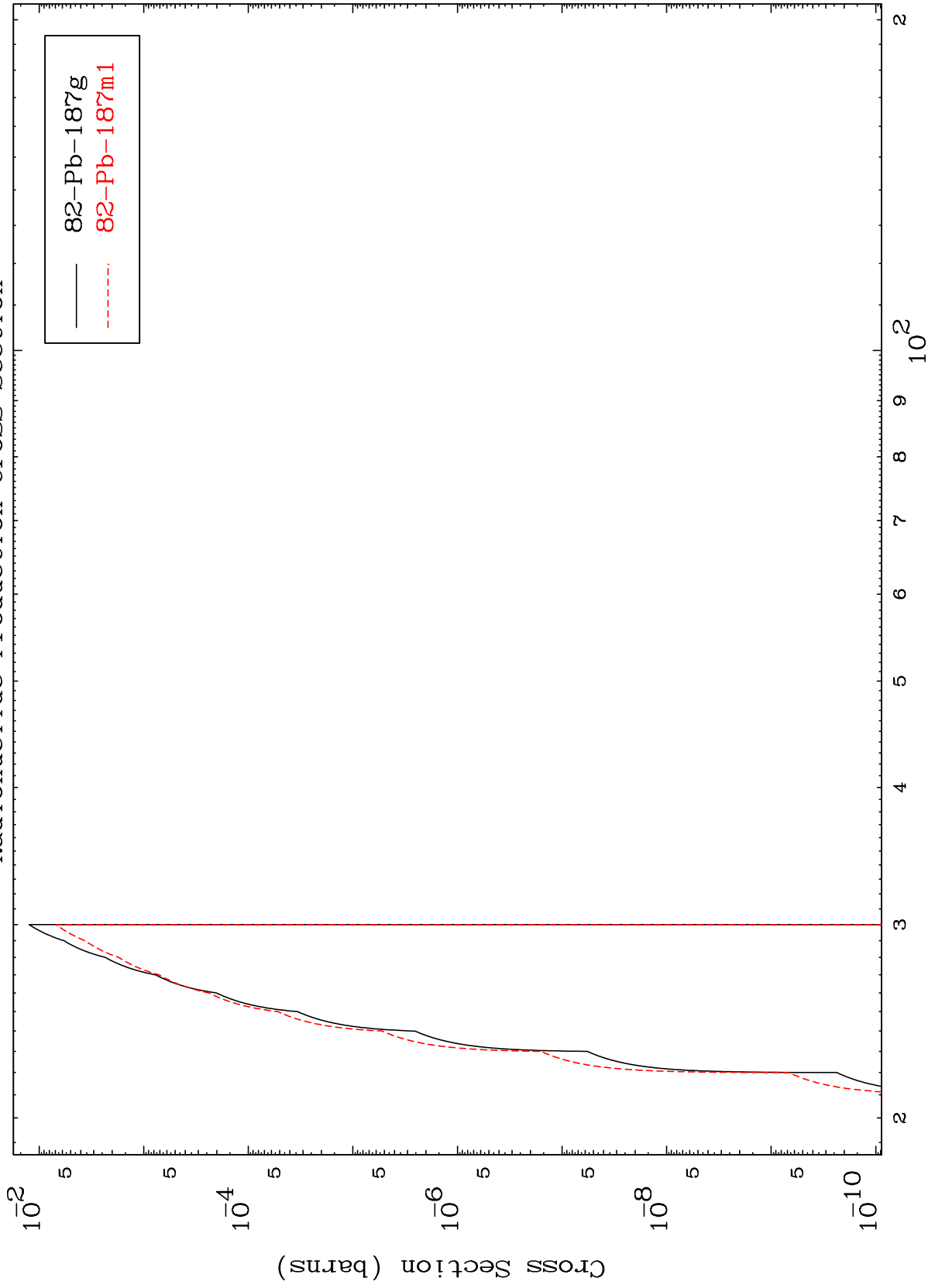
83-Bi-190

MAT 8268

(n,3n) p

83-Bi-190

Radionuclide Production Cross Section



78

Incident Energy (MeV)

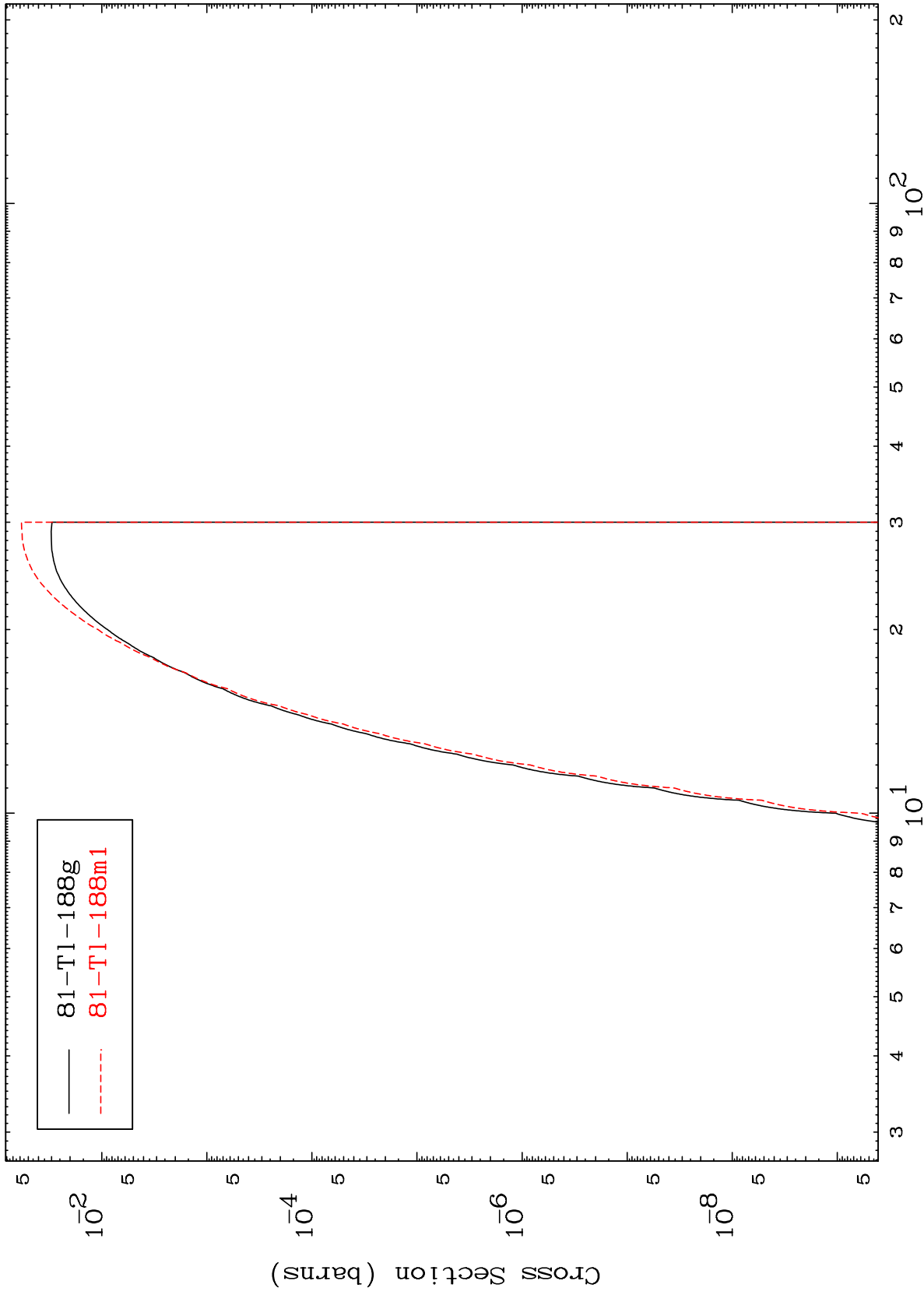
83-Bi-190

MAT 8268

(n,2n) p

83-Bi-190

Radionuclide Production Cross Section



79

Incident Energy (MeV)

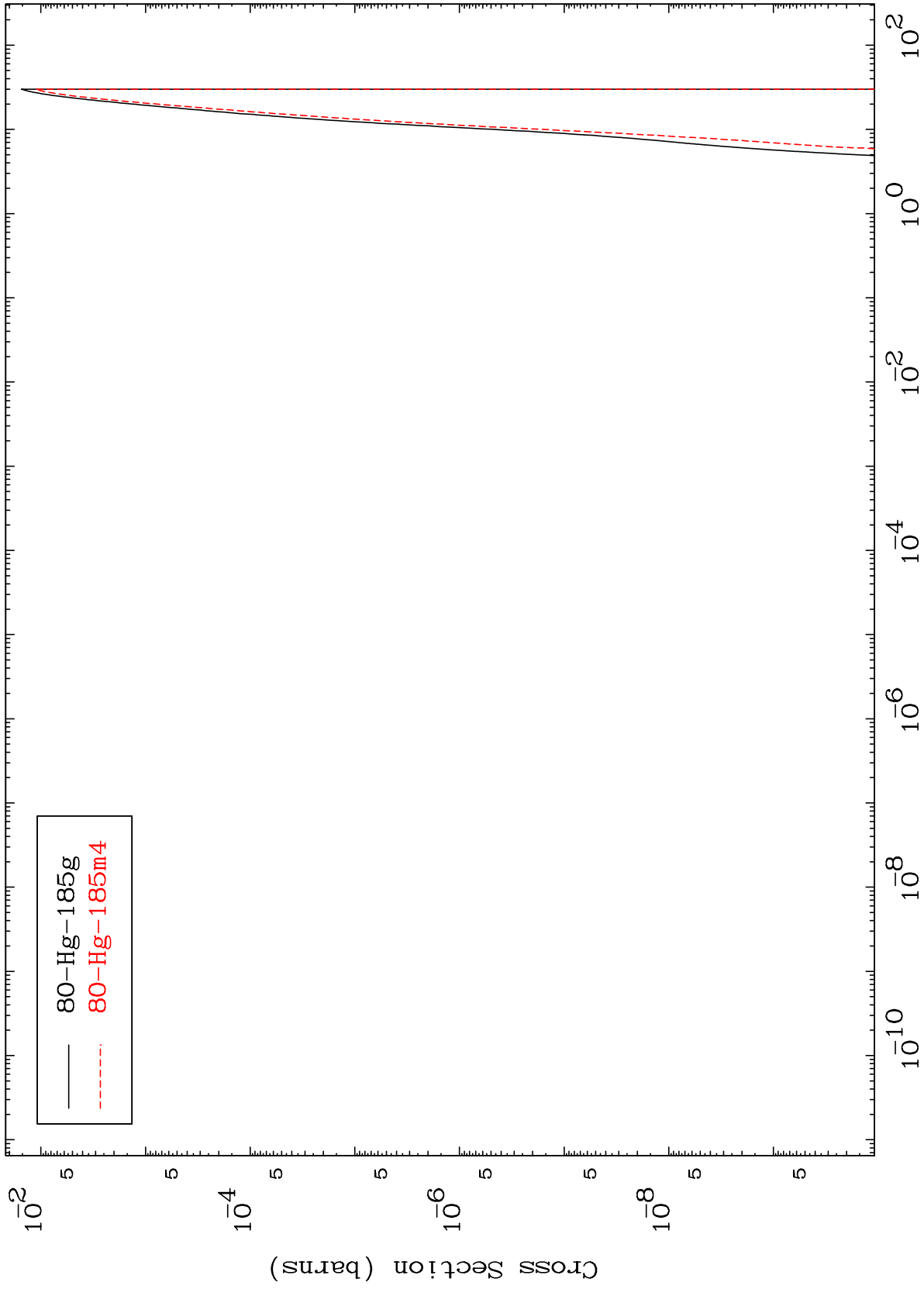
83-Bi-190

MAT 8268

(n,n') p α

83-Bi-190

Radionuclide Production Cross Section



80

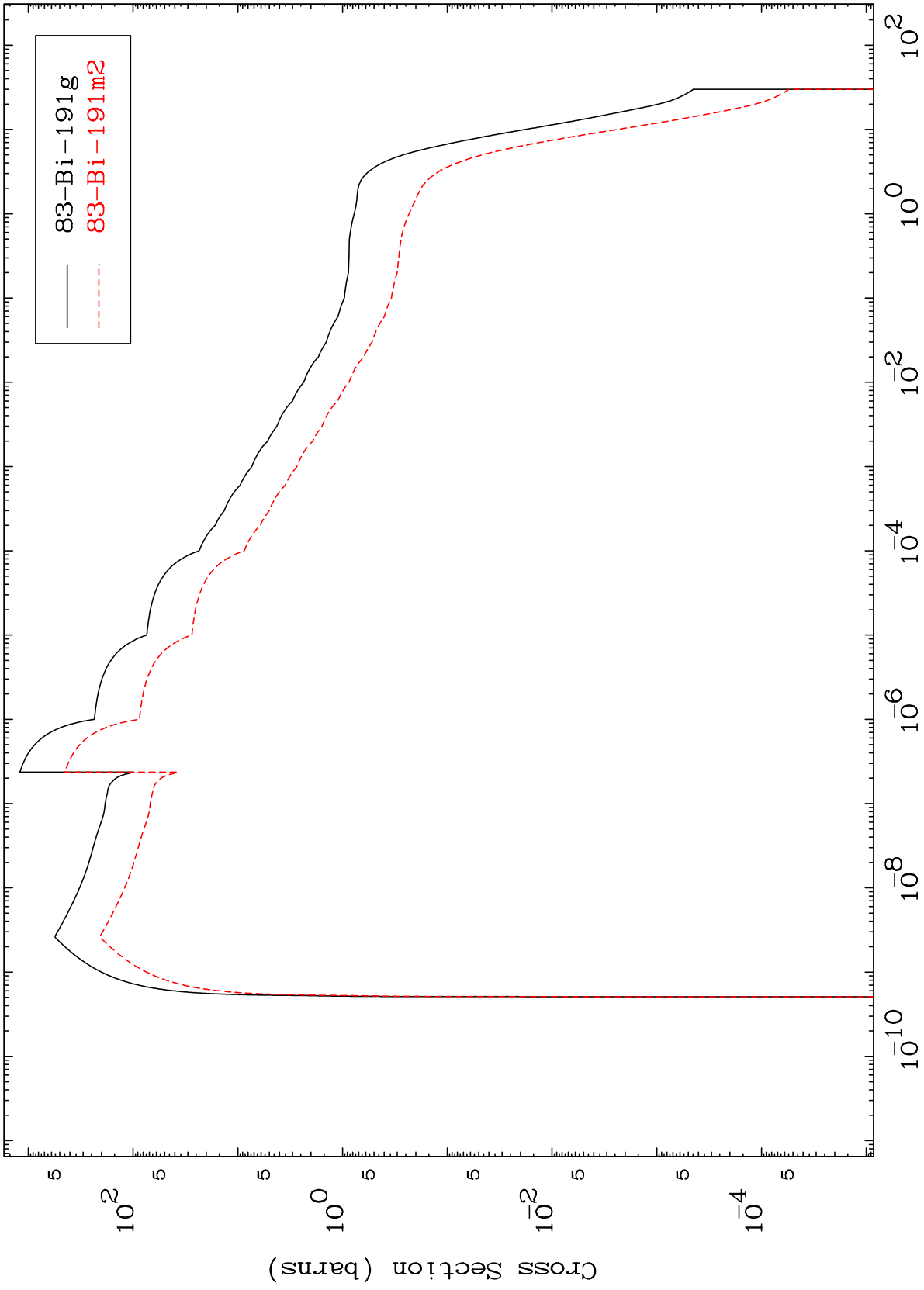
Incident Energy (MeV)

83-Bi-190

MAT 8268

⁸³Bi-190

(n,γ)
Radionuclide Production Cross Section



81

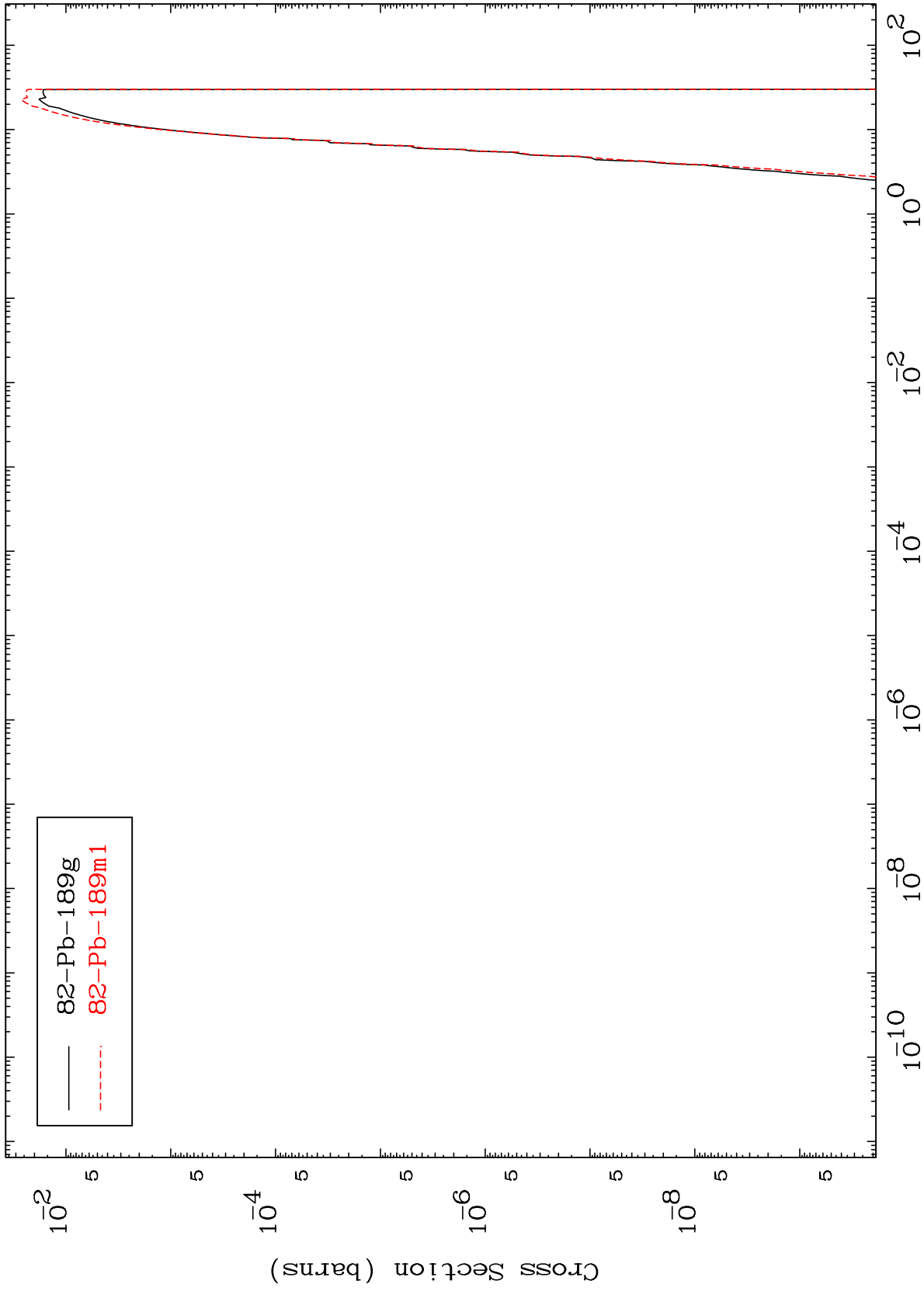
⁸³Bi-190

MAT 8268

(n,d)

83-Bi-190

Radionuclide Production Cross Section



82

Incident Energy (MeV)

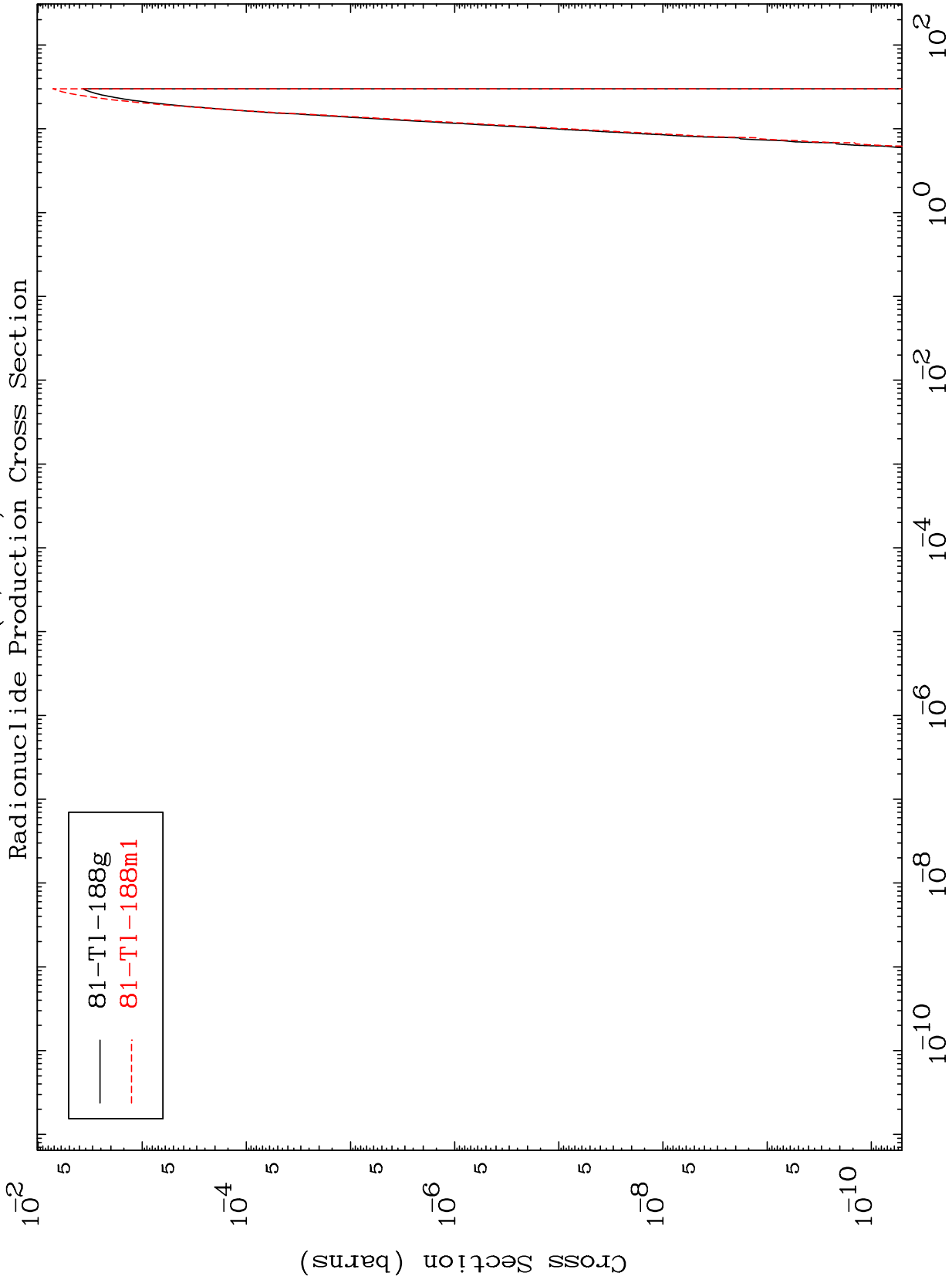
83-Bi-190

MAT 8268

(n, He-3)

83-Bi-190

Radionuclide Production Cross Section



83

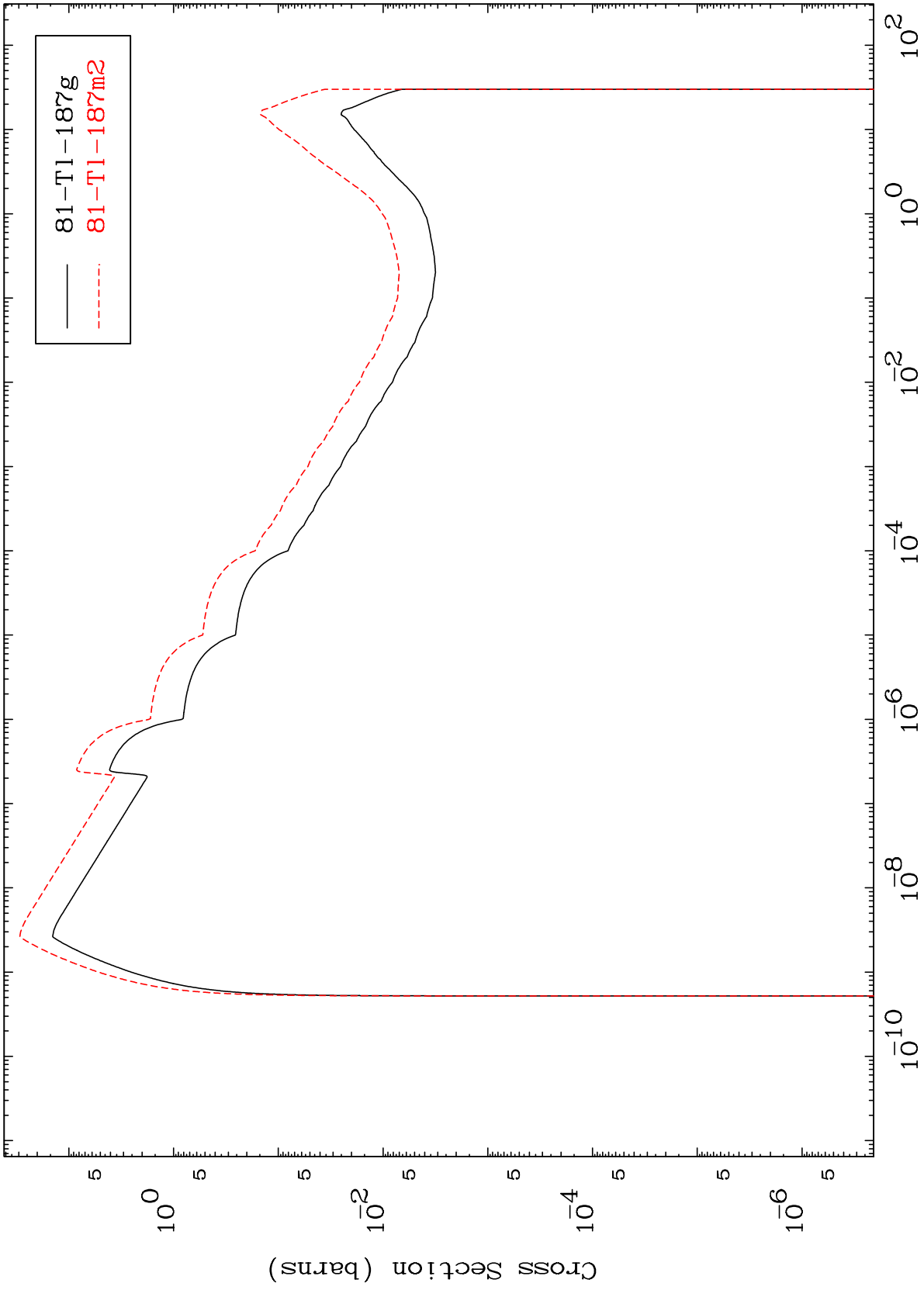
Incident Energy (MeV)

83-Bi-190

MAT 8268

83-Bi-190

(n,α)
Radionuclide Production Cross Section



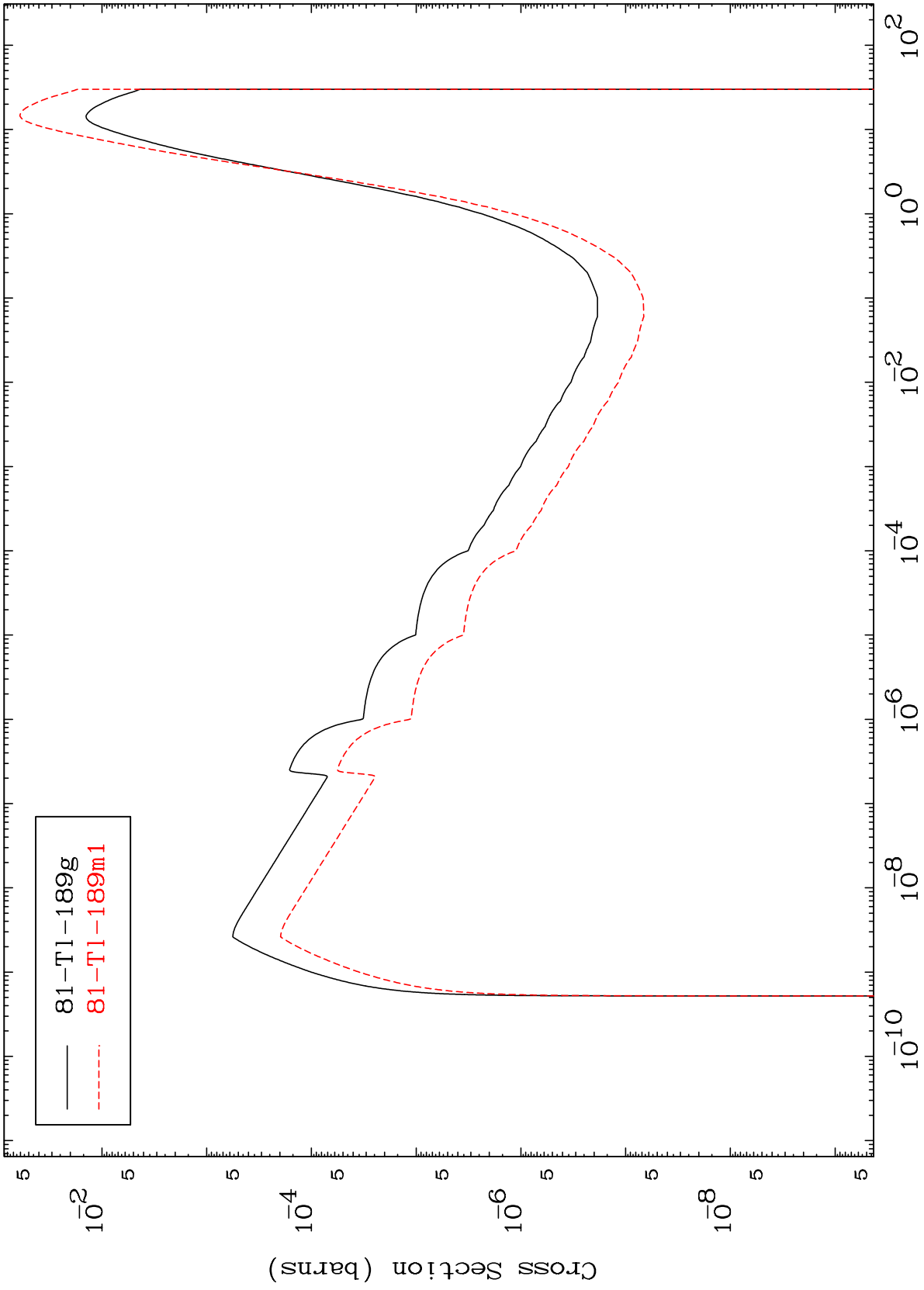
84

83-Bi-190

MAT 8268

Radionuclide Production Cross Section
(n,2p)

83-Bi-190



85

Incident Energy (MeV)

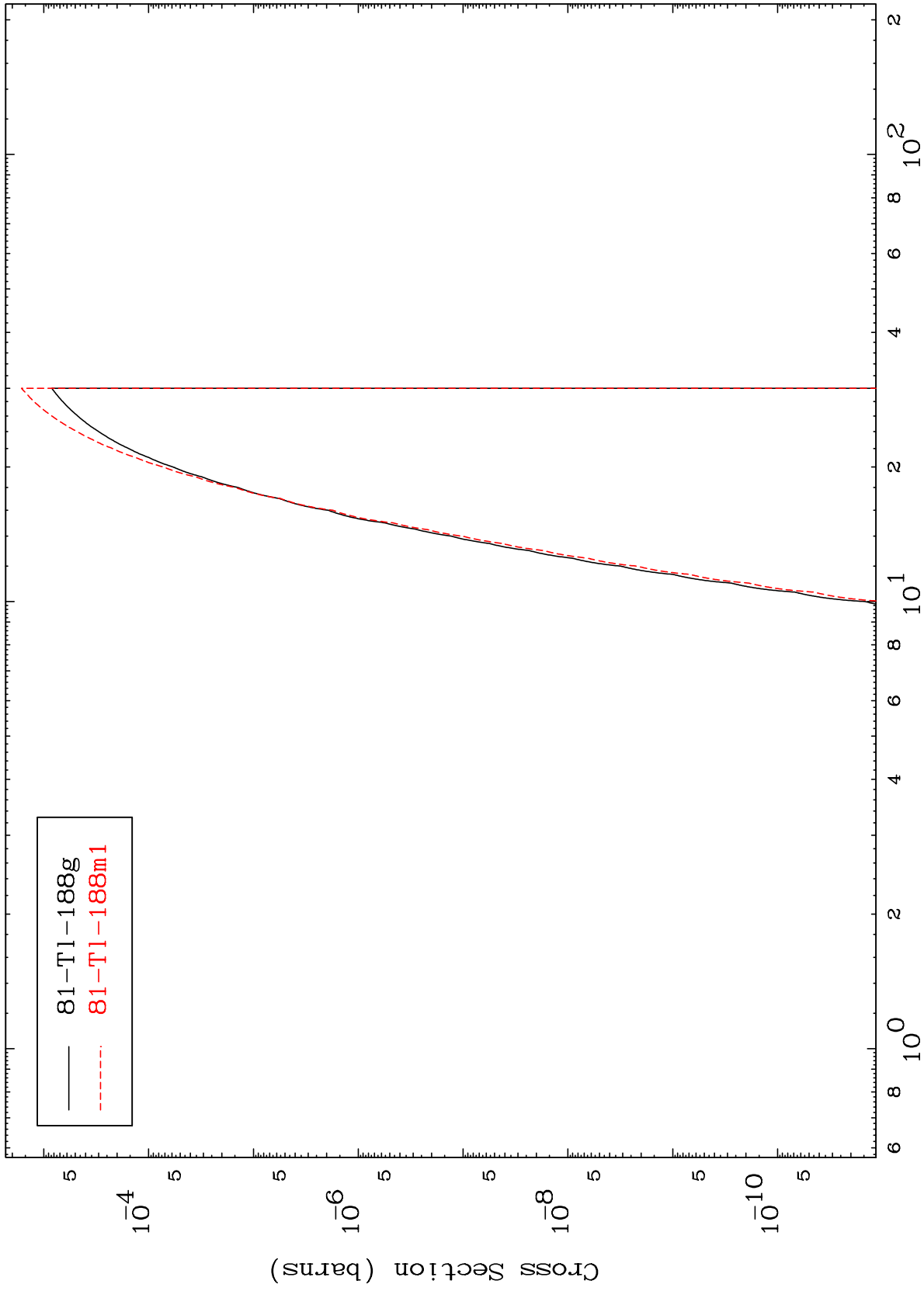
83-Bi-190

MAT 8268

(n,p) d

83-Bi-190

Radionuclide Production Cross Section



86

Incident Energy (MeV)

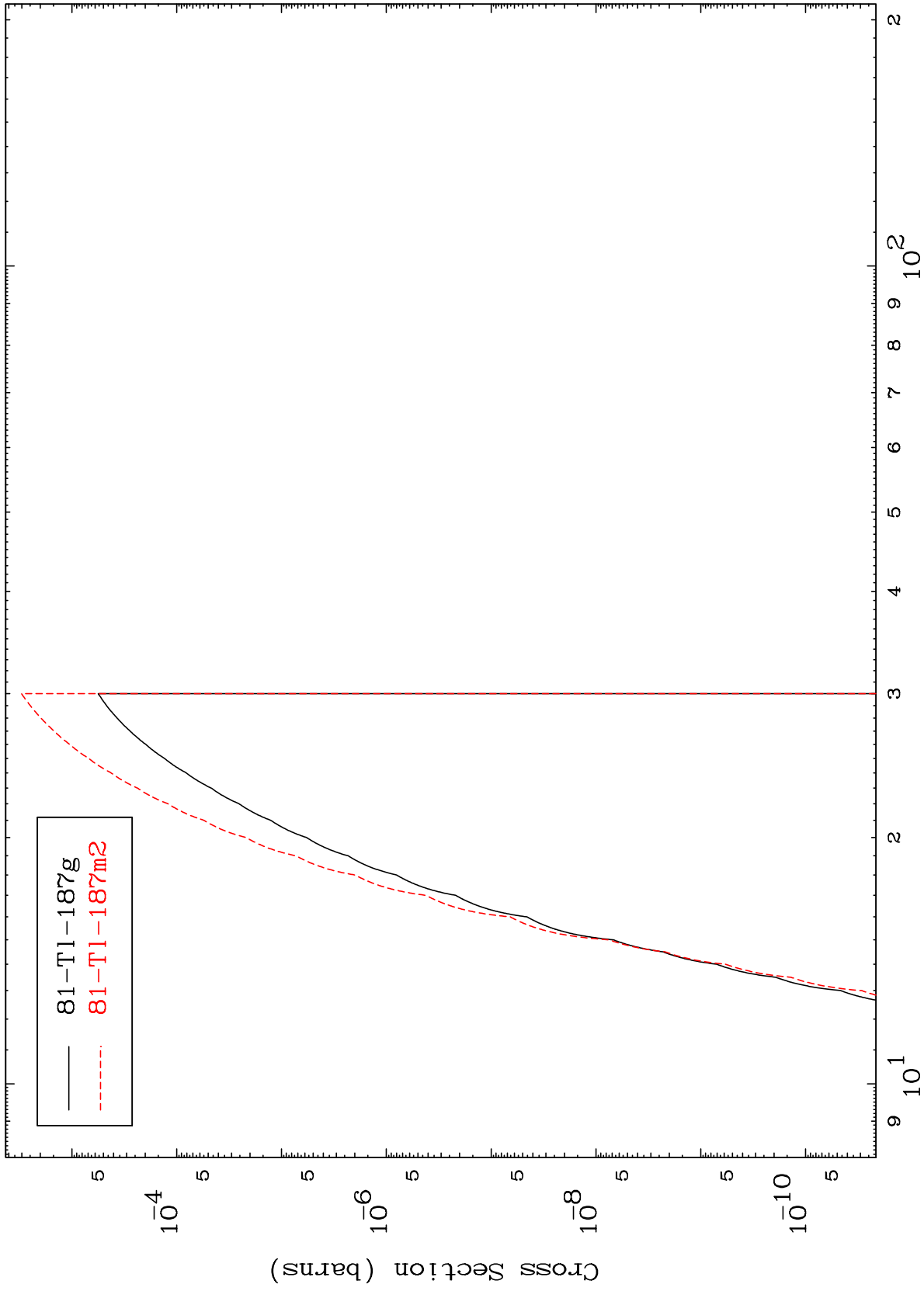
83-Bi-190

MAT 8268

(n,p) t

83-Bi-190

Radionuclide Production Cross Section



87

Incident Energy (MeV)

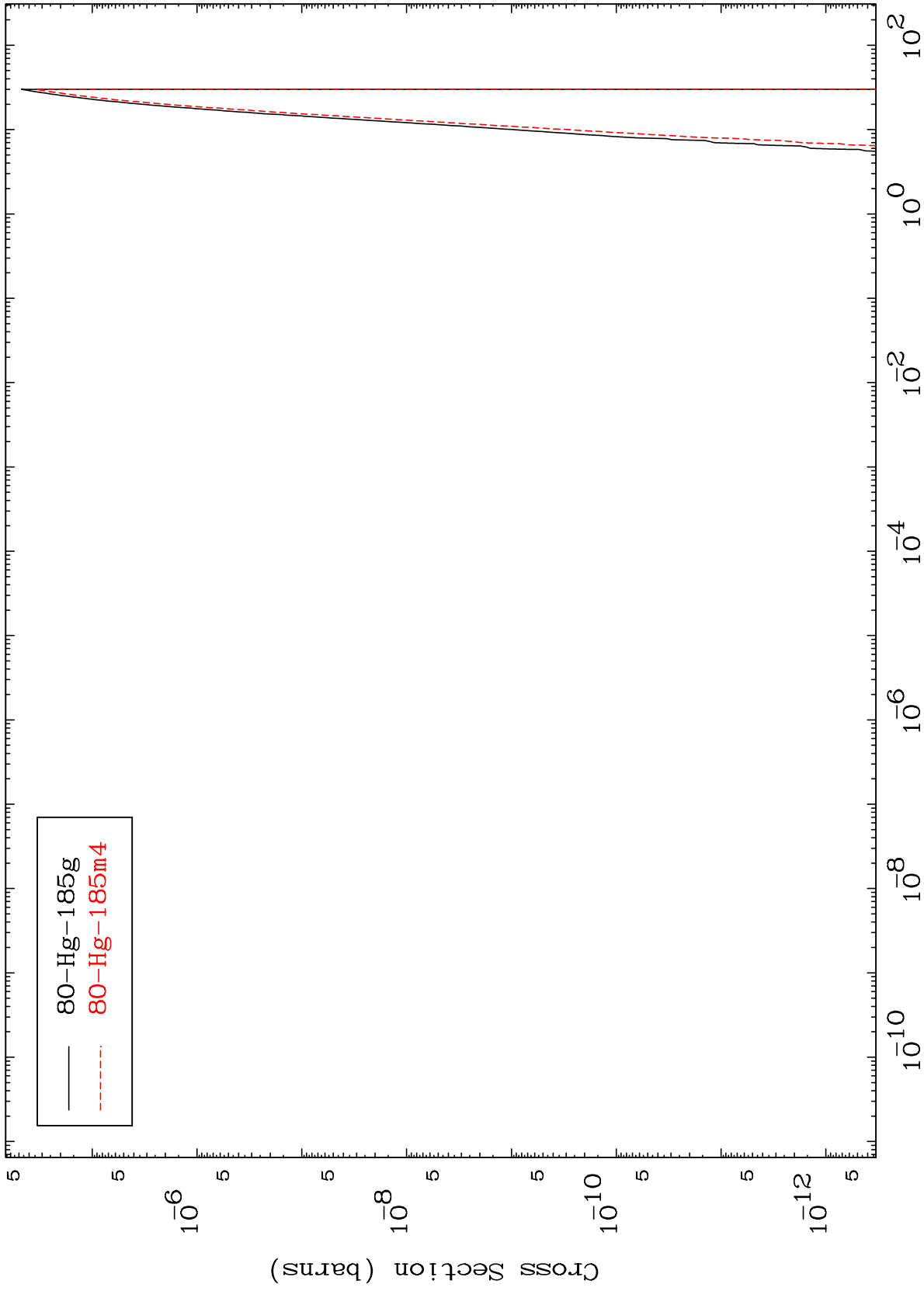
83-Bi-190

MAT 8268

(n,d) α

83-Bi-190

Radionuclide Production Cross Section



88

Incident Energy (MeV)

83-Bi-190