

Program EVALPLOT
(Version 2018-1)

by

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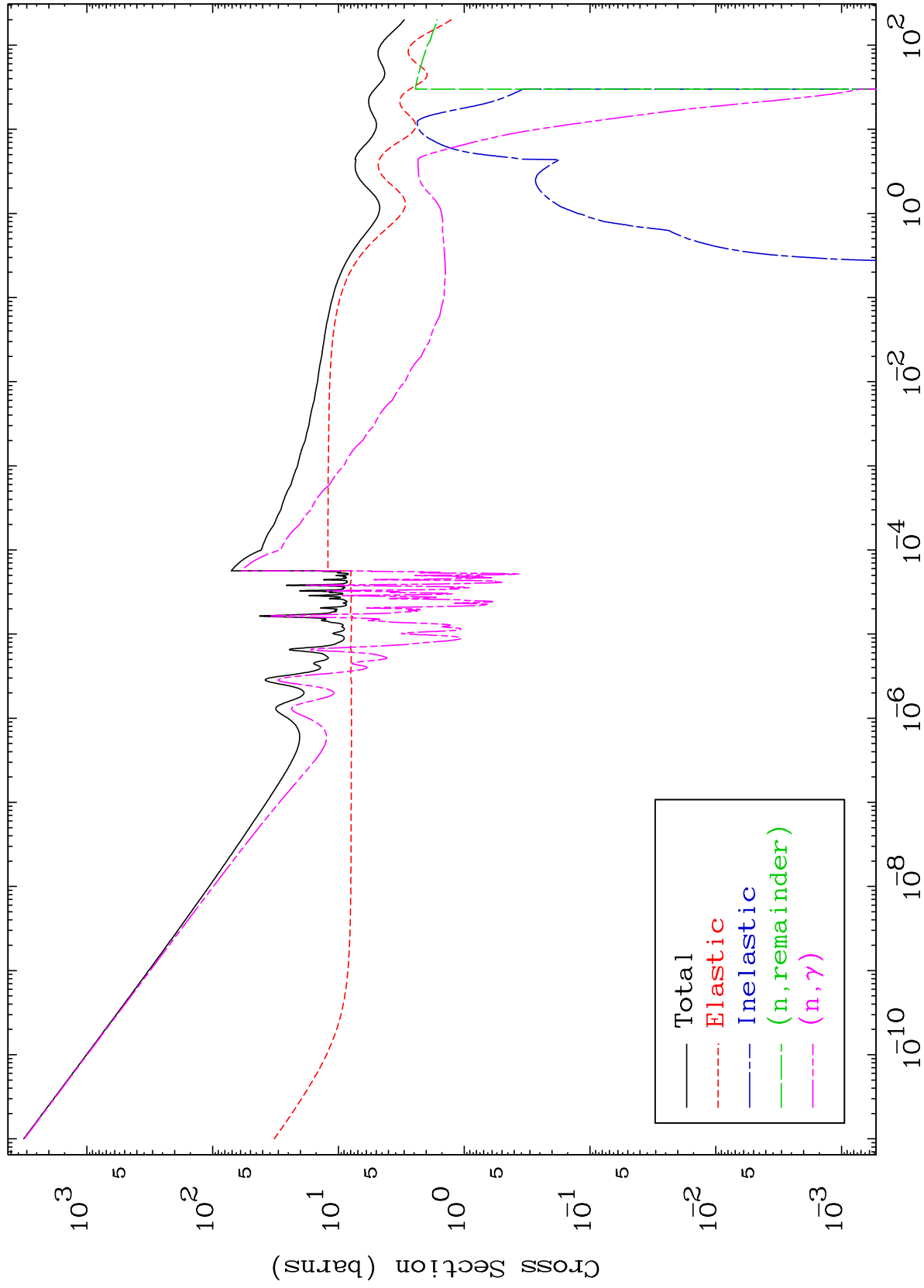
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8531

Major
293 Kelvin Cross Sections

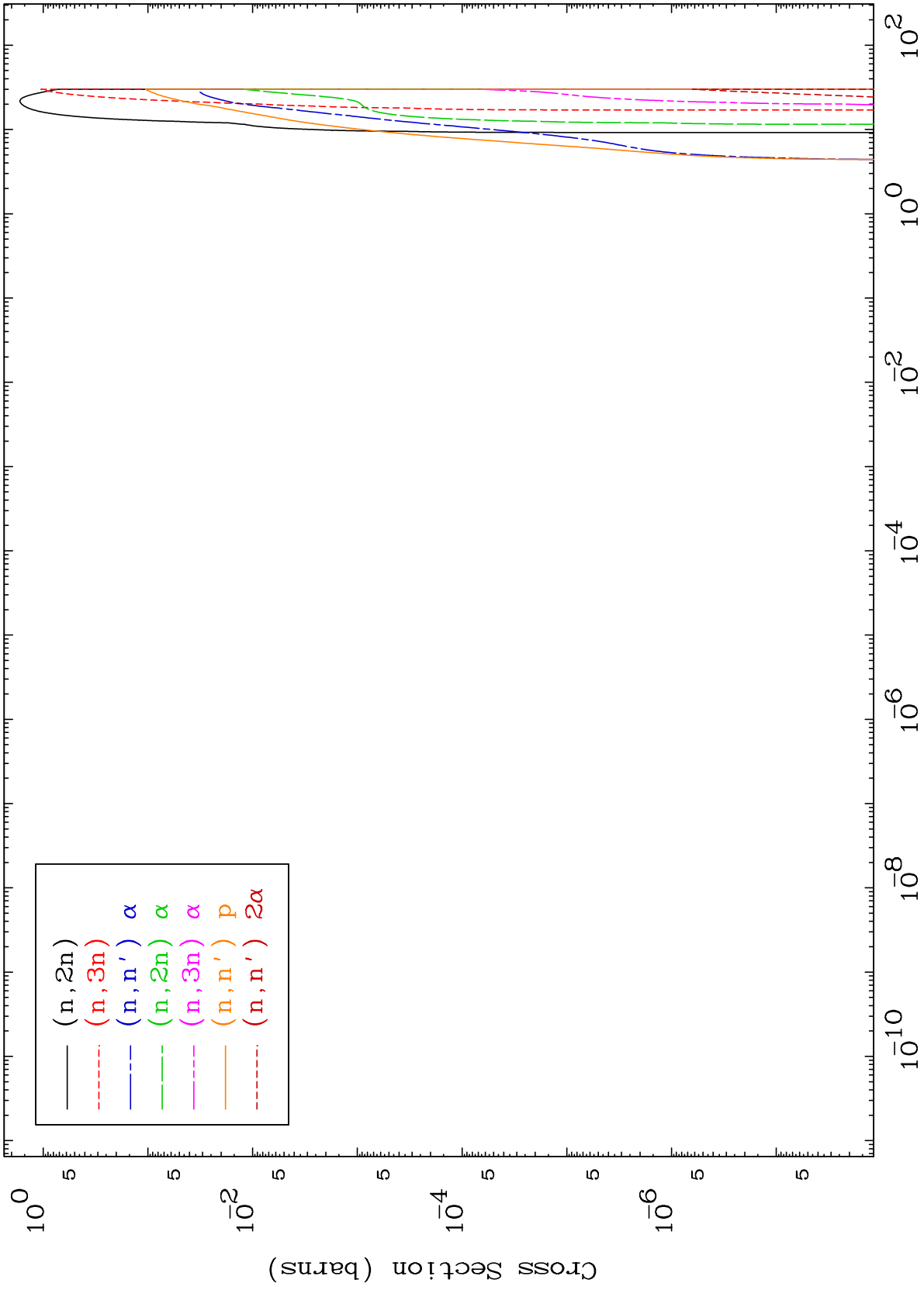
85-At-205



MAT 8531

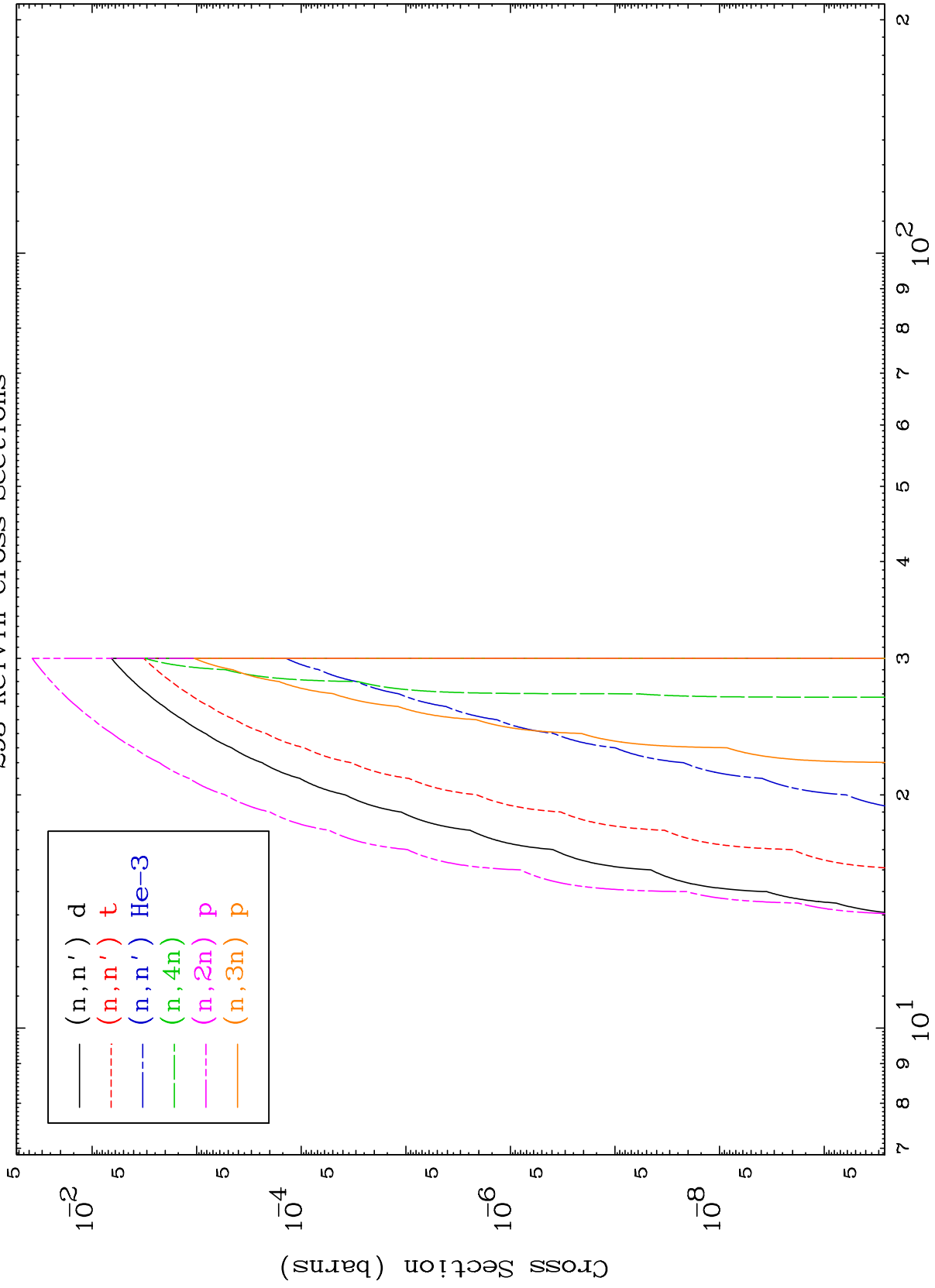
Neutron Production
293 Kelvin Cross Sections

85-At-205



2

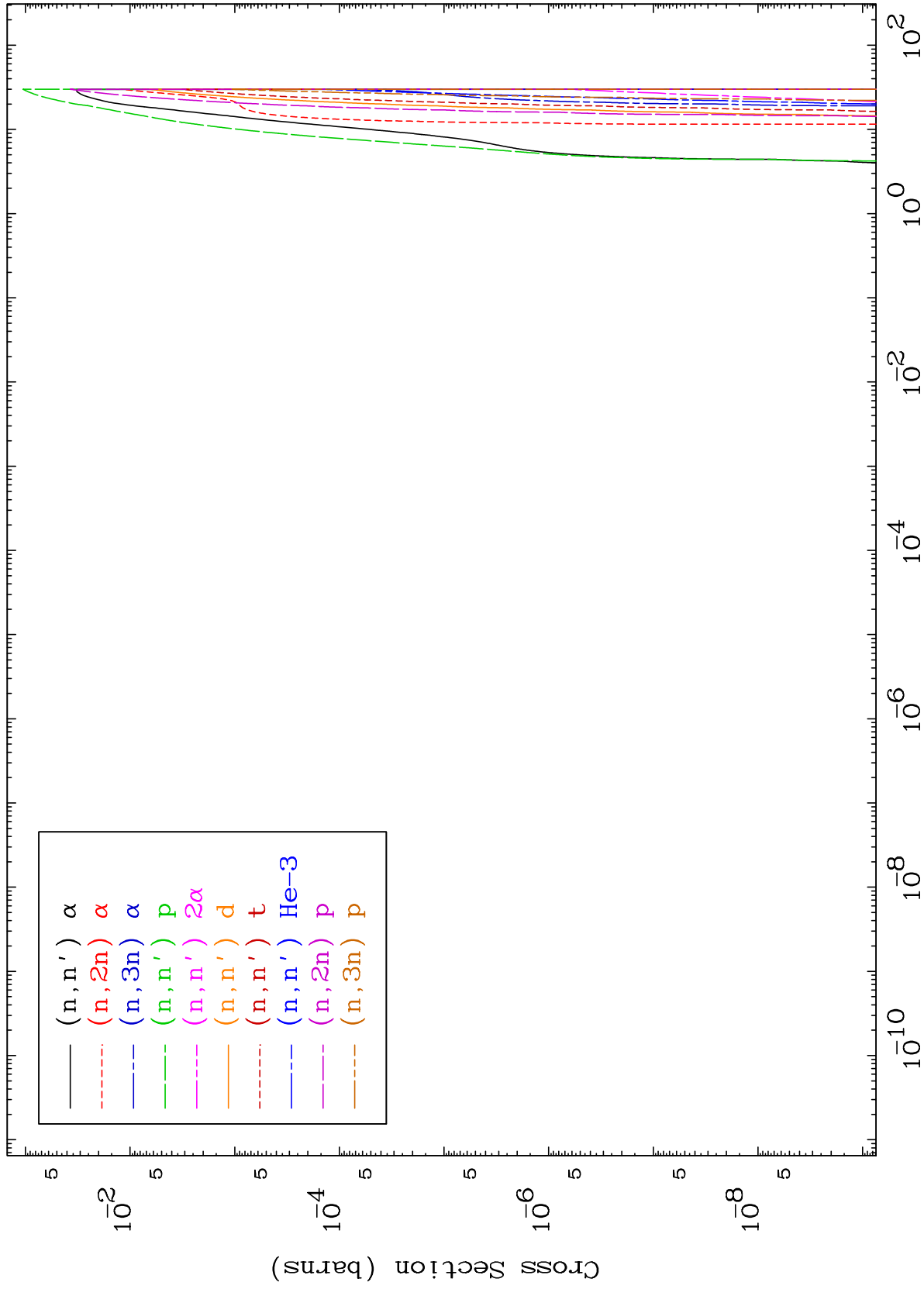
85-At-205



MAT 8531

Charged Particle
293 Kelvin Cross Sections

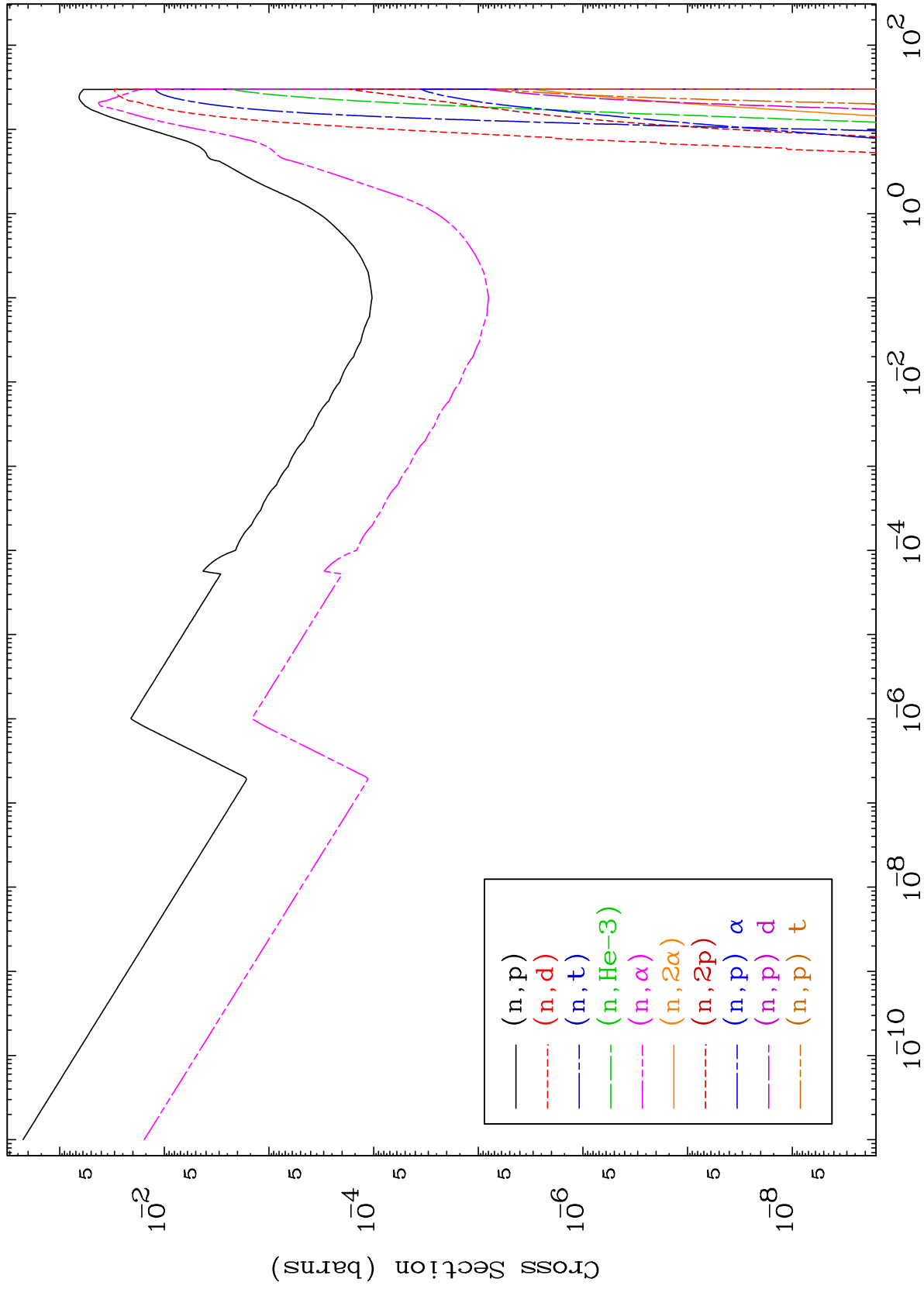
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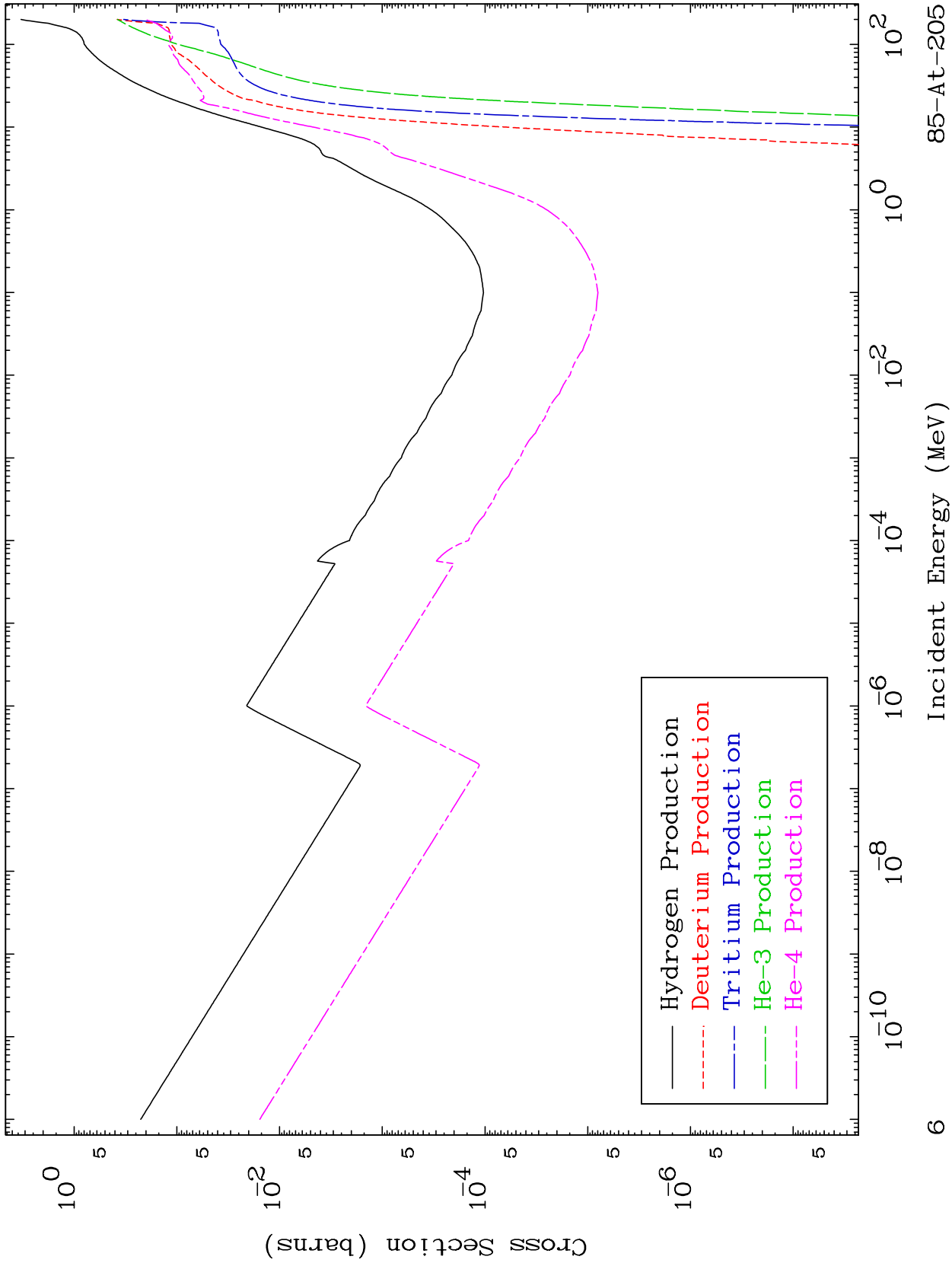


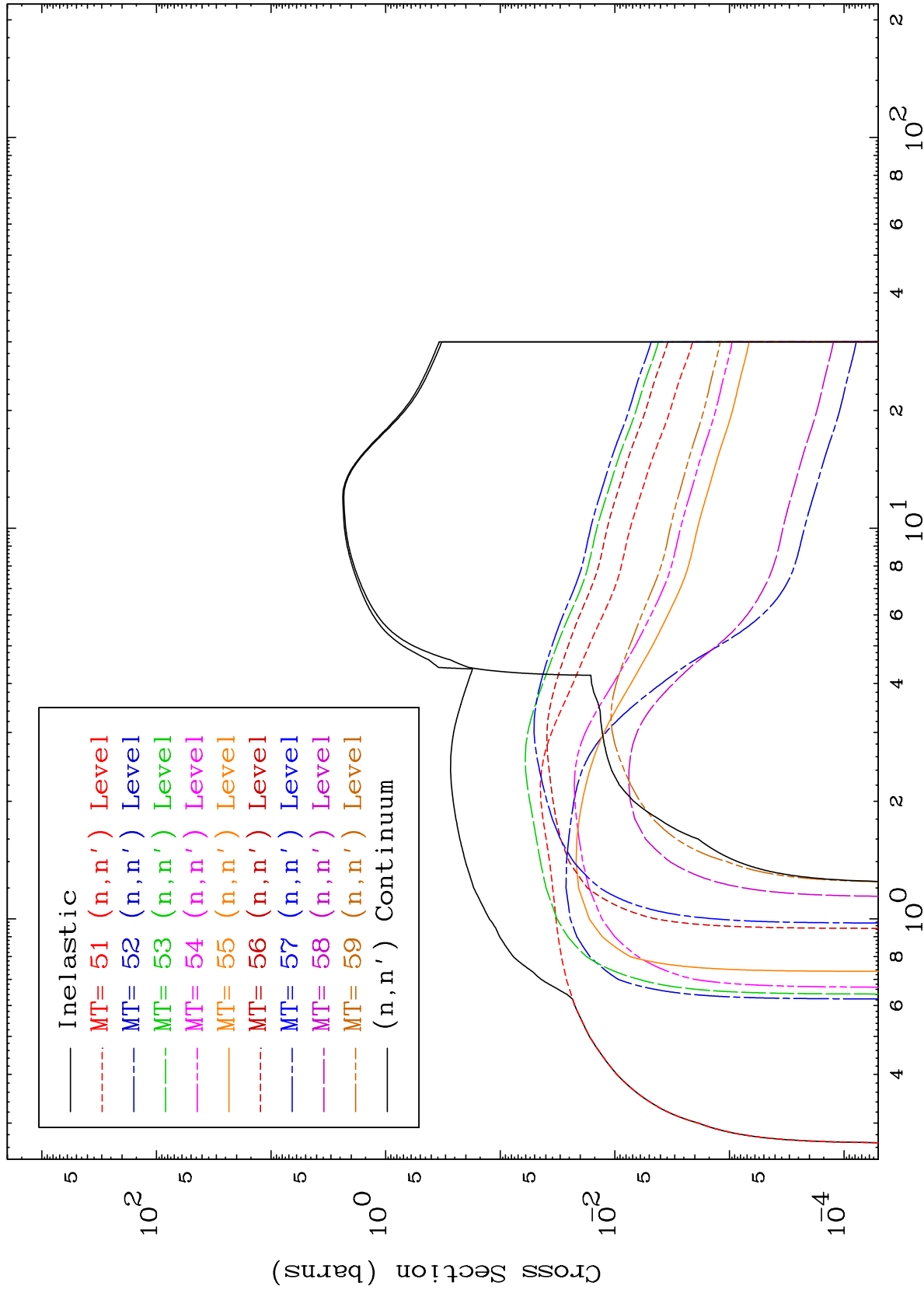
MAT 8531

293 Kelvin Cross Sections

85-At-205



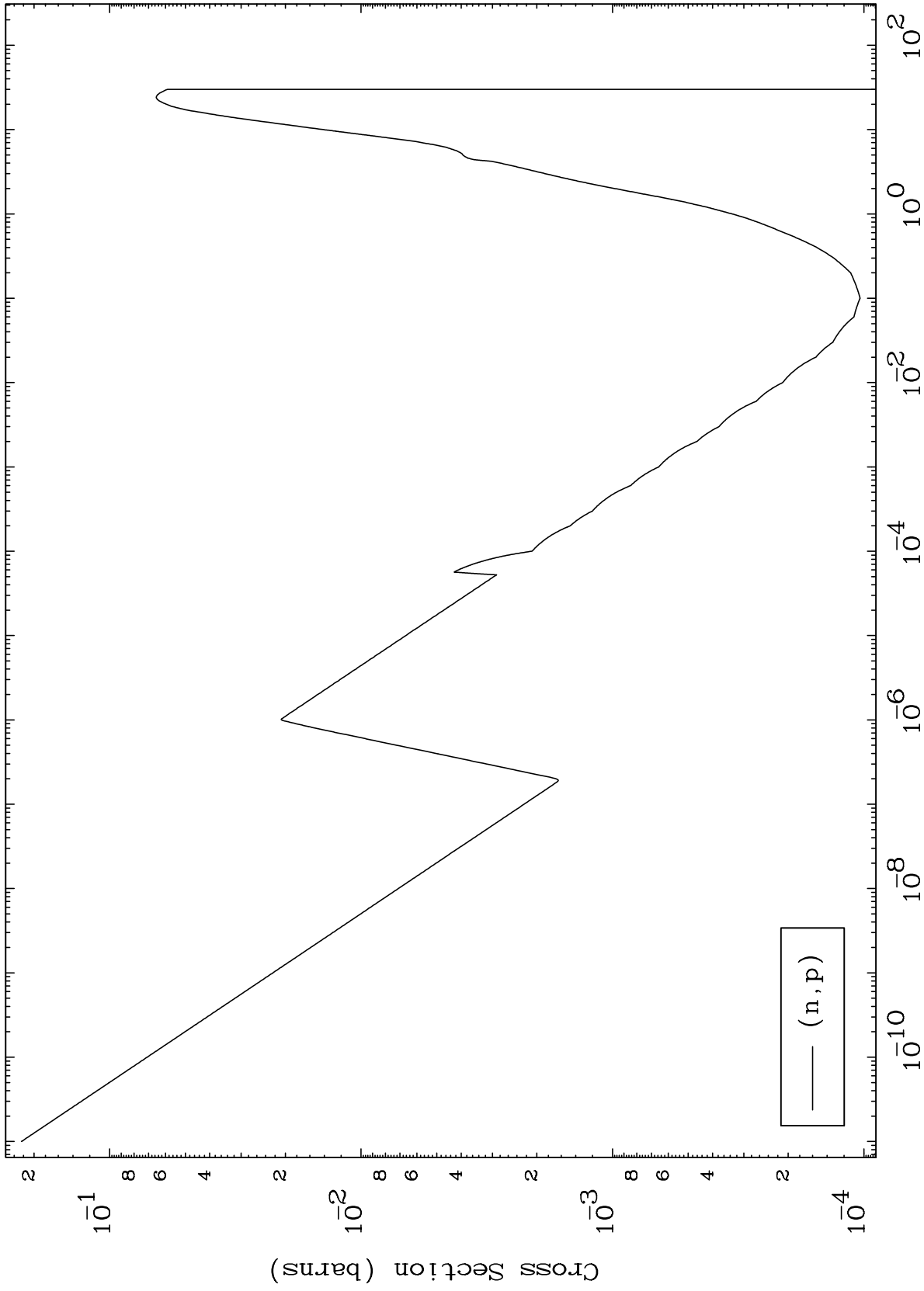




MAT 8531

(n,p) Levels
293 Kelvin Cross Sections

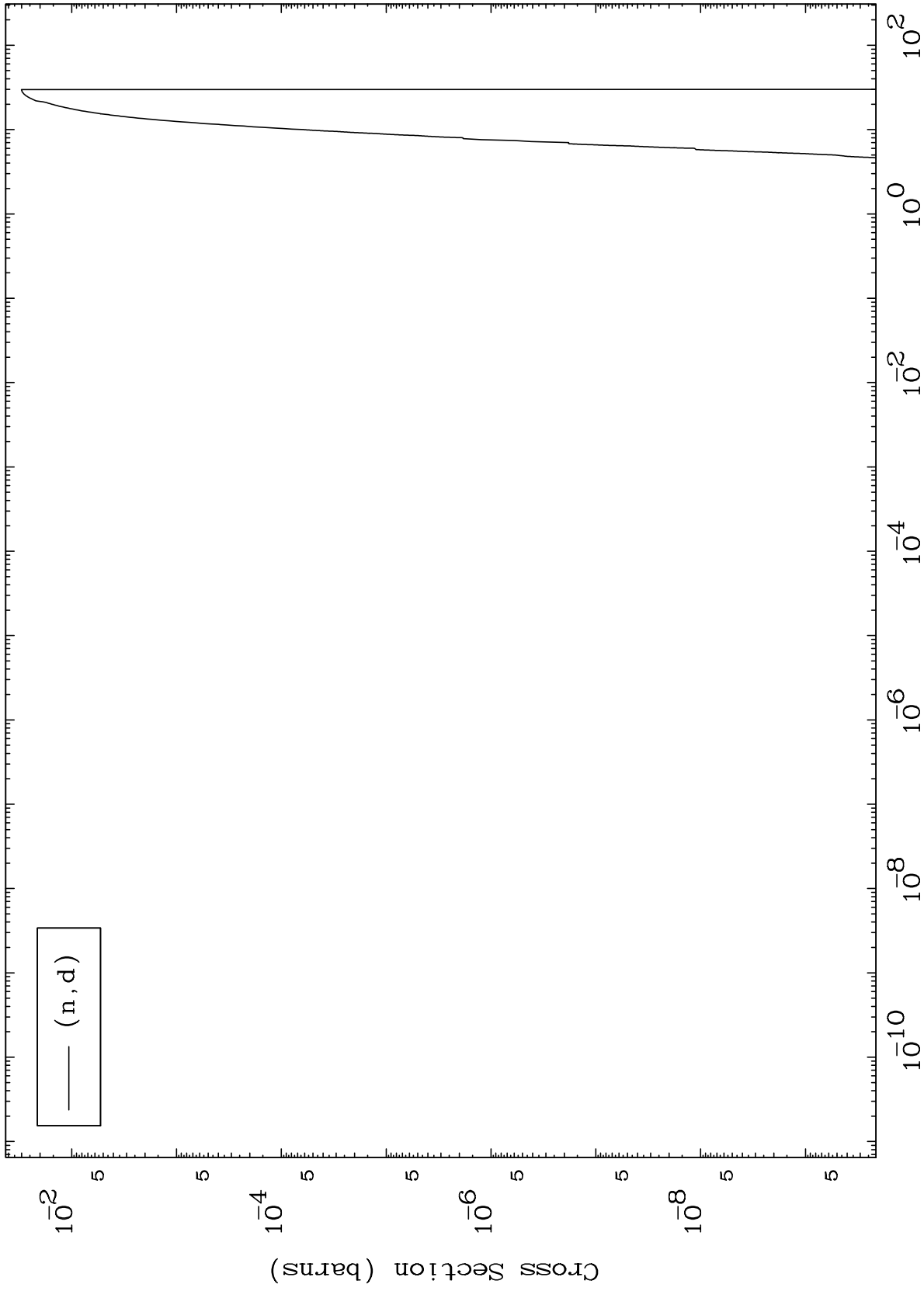
85-At-205



MAT 8531

(n,d) Levels
293 Kelvin Cross Sections

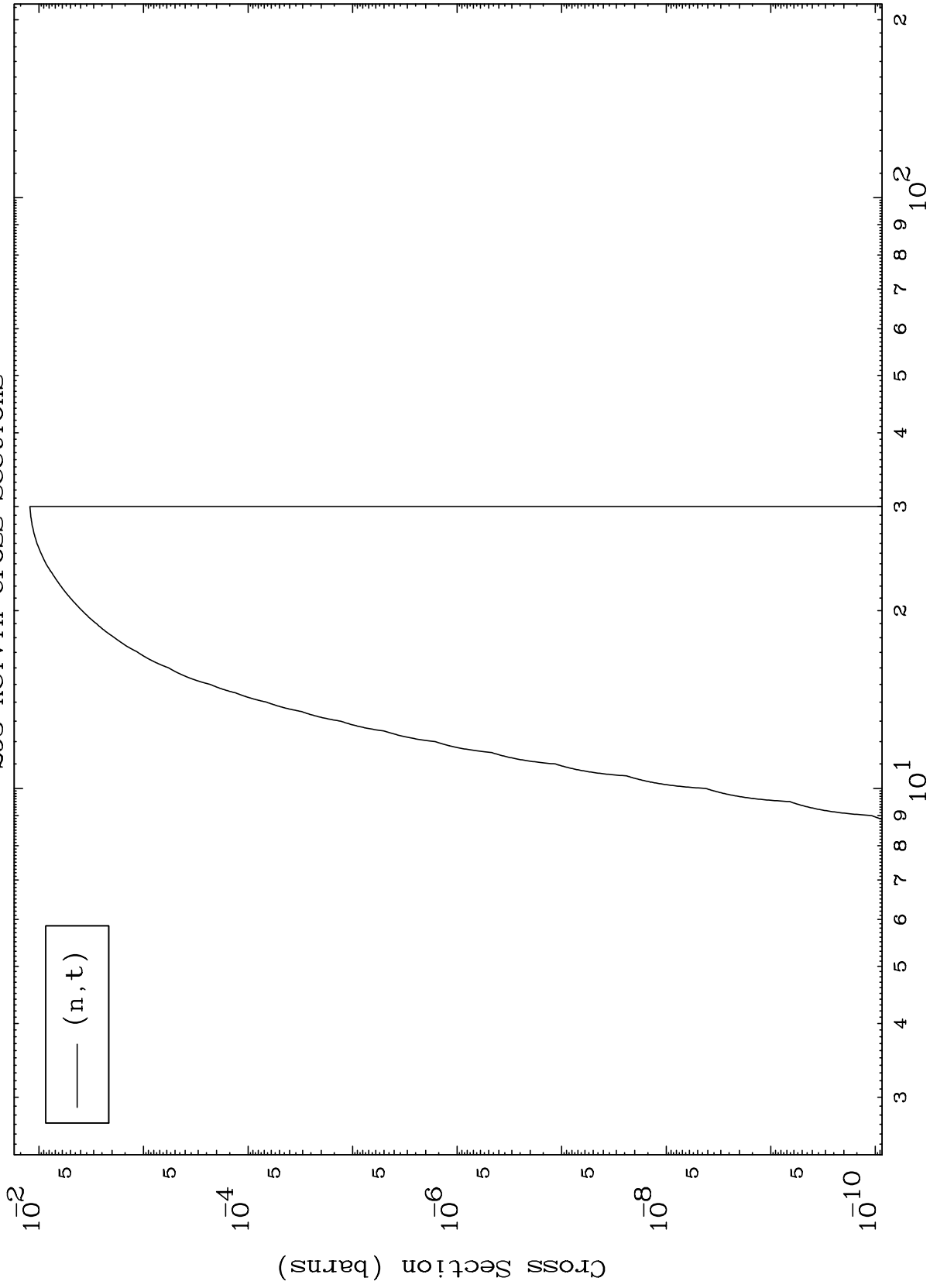
85-At-205



MAT 8531

(n,t) Levels
293 Kelvin Cross Sections

85-At-205



10

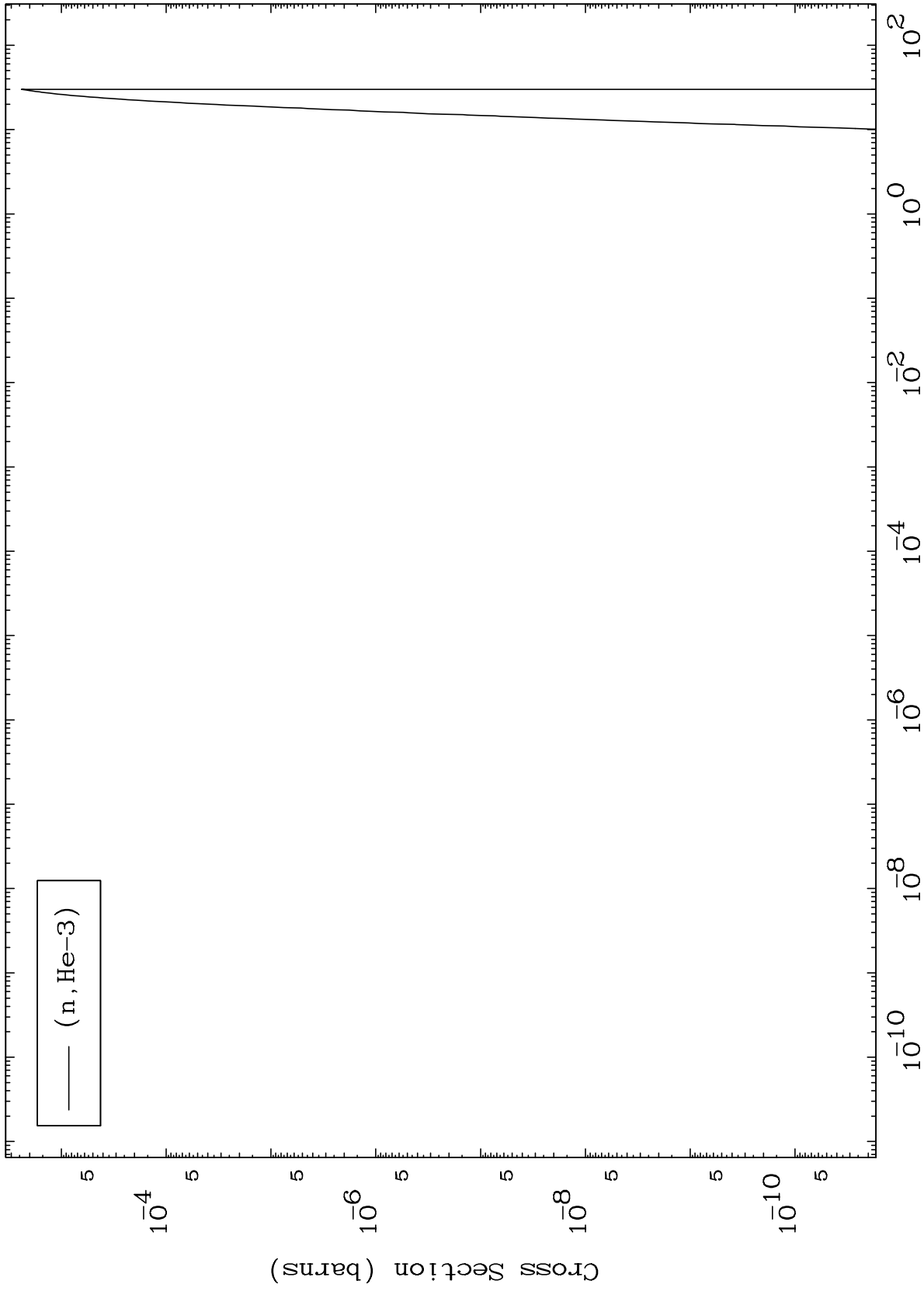
Incident Energy (MeV)

85-At-205

MAT 8531

(n,He3) Levels
293 Kelvin Cross Sections

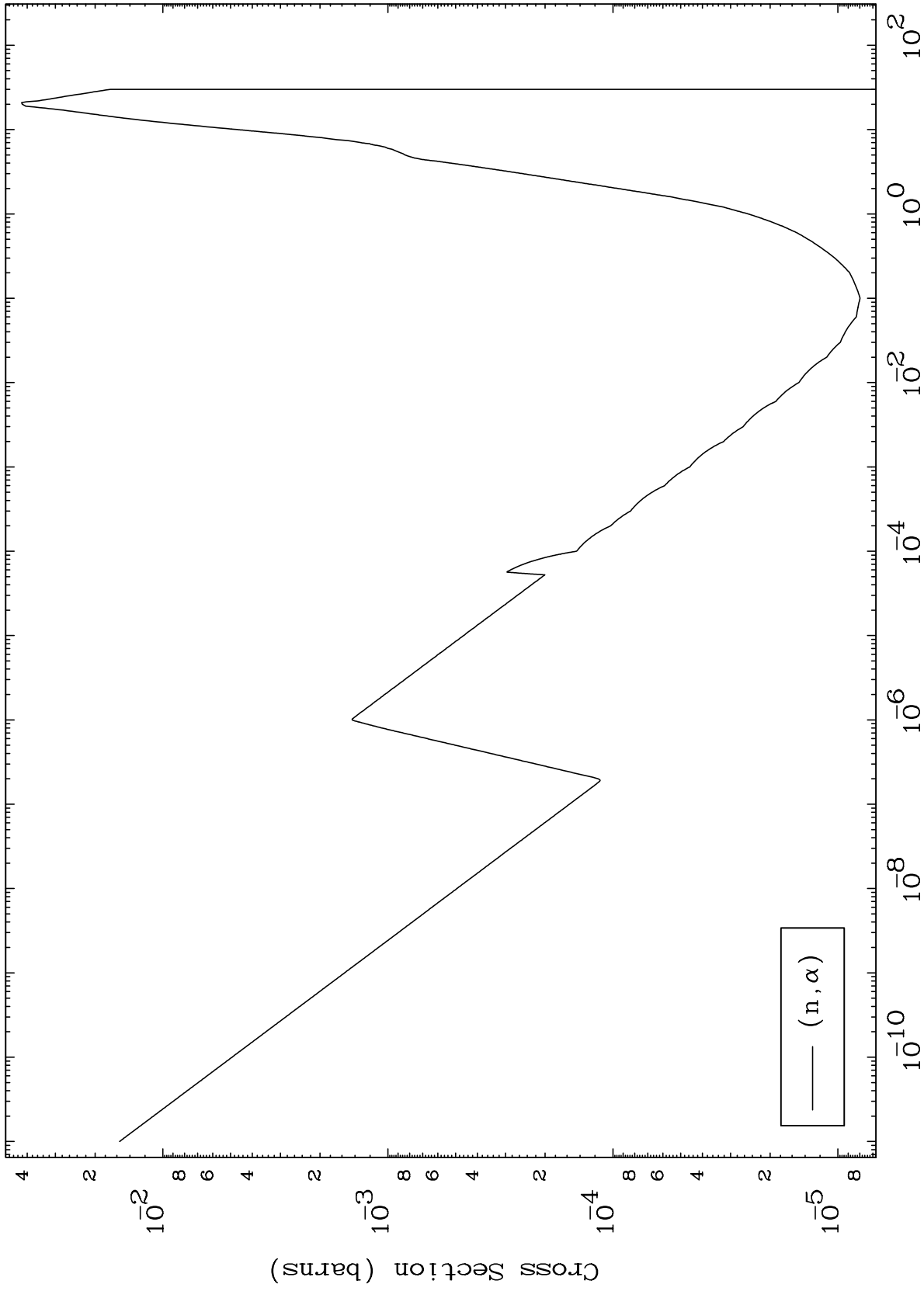
85-At-205



MAT 8531

(n, α) Levels
293 Kelvin Cross Sections

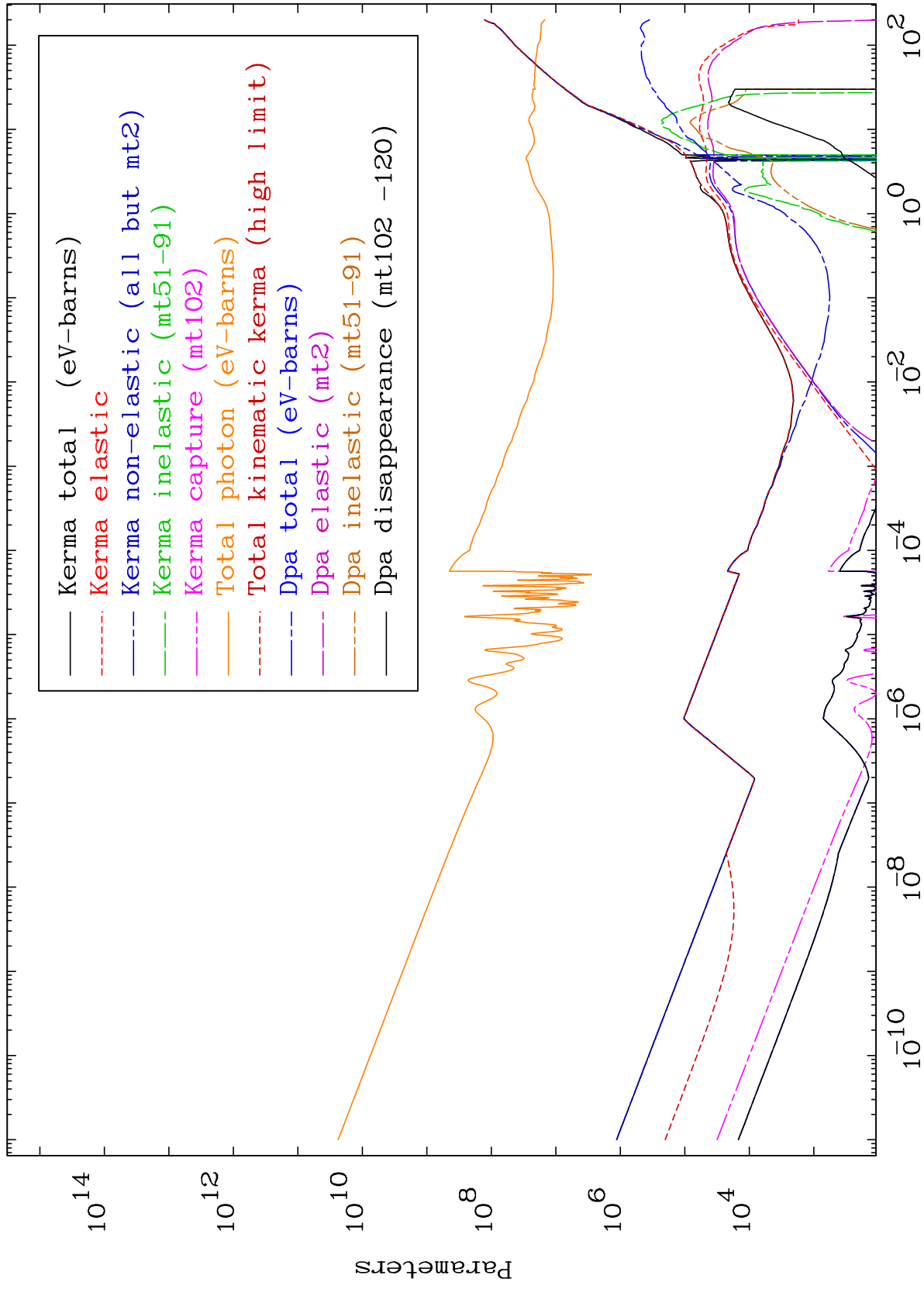
85-At-205



12

Incident Energy (MeV)

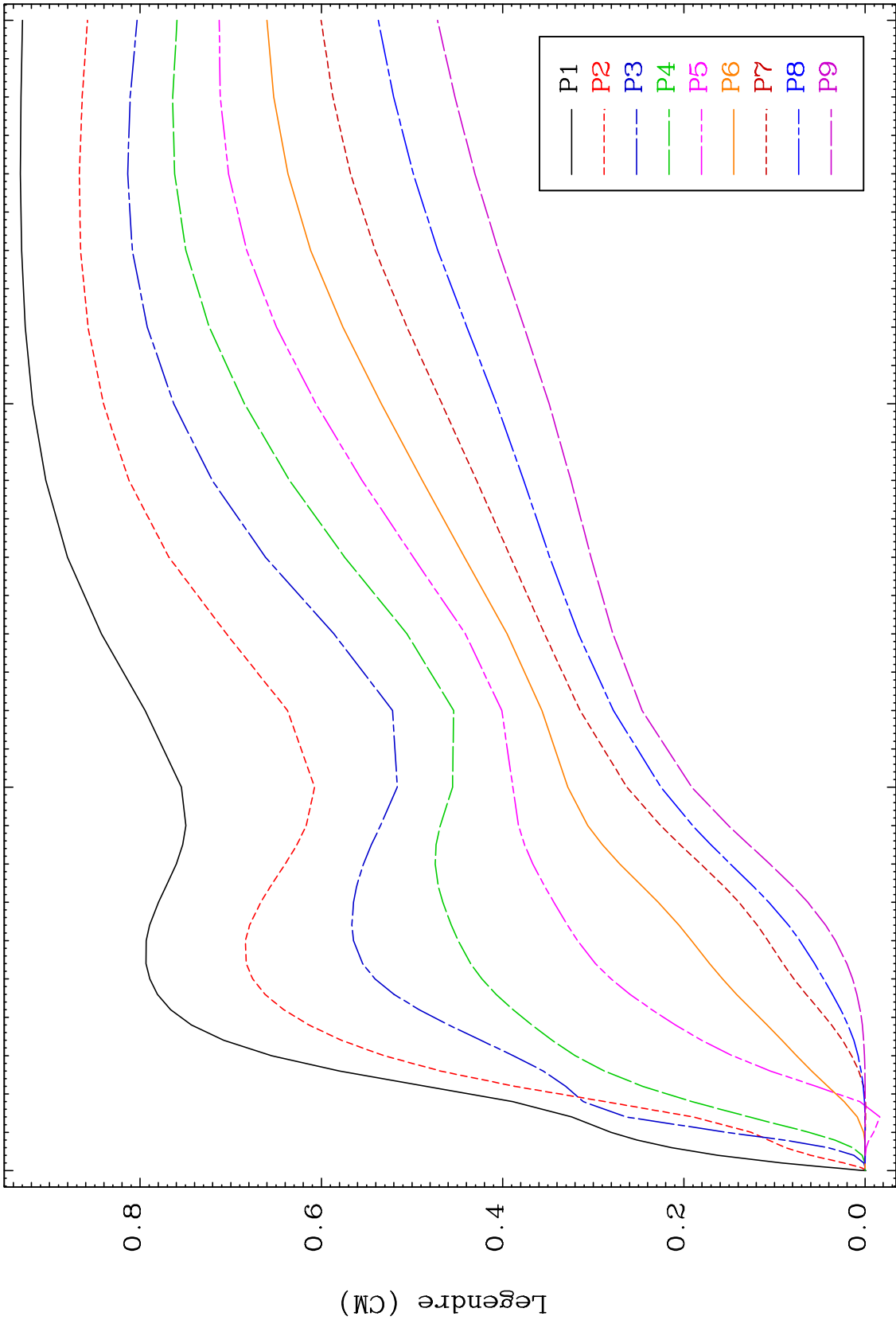
85-At-205



MAT 8531

85-At-205

Elastic Legendre Coefficients



14

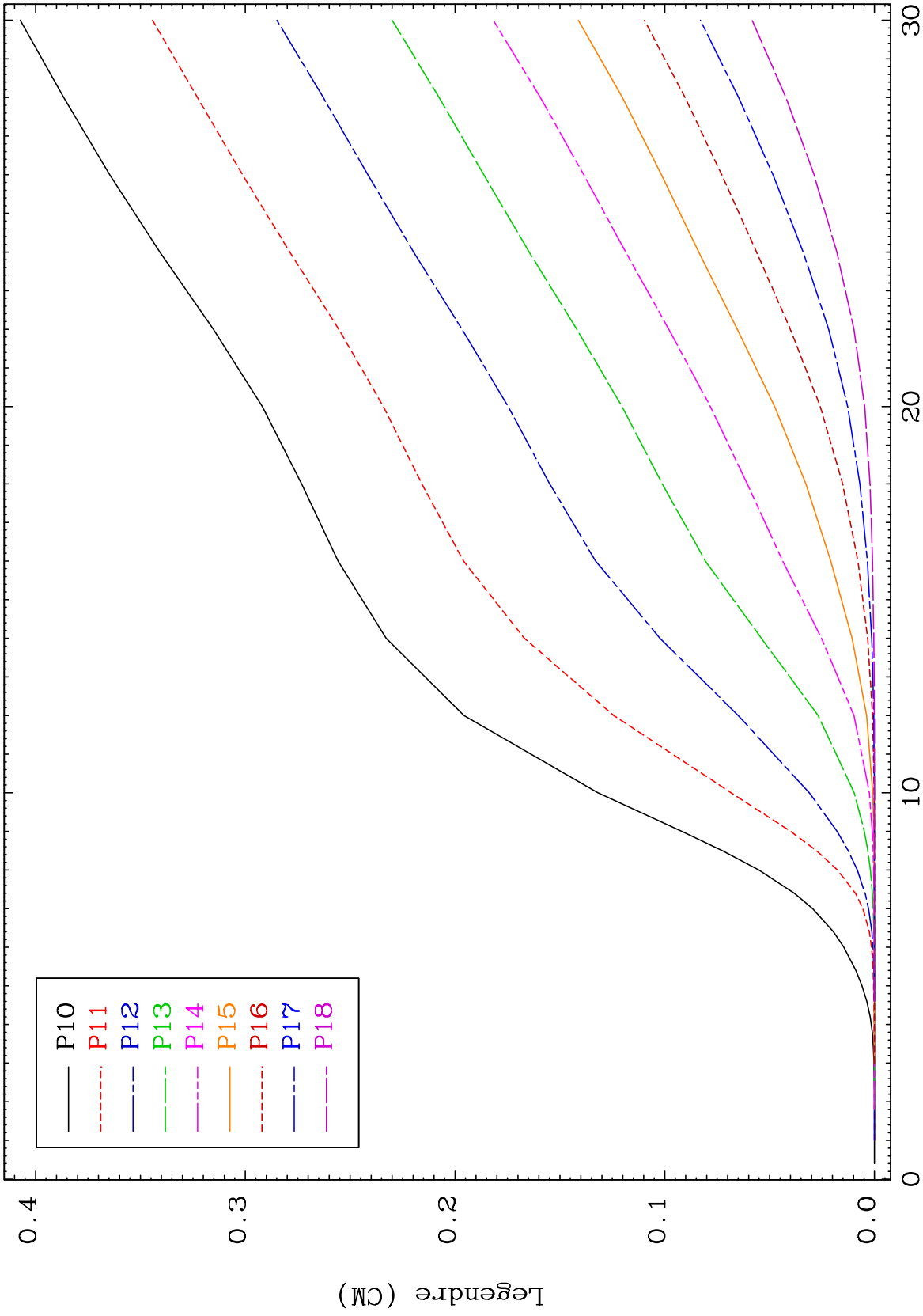
Incident Energy (MeV)

85-At-205

MAT 8531

Elastic Legendre Coefficients

85-At-205



15

Incident Energy (MeV)

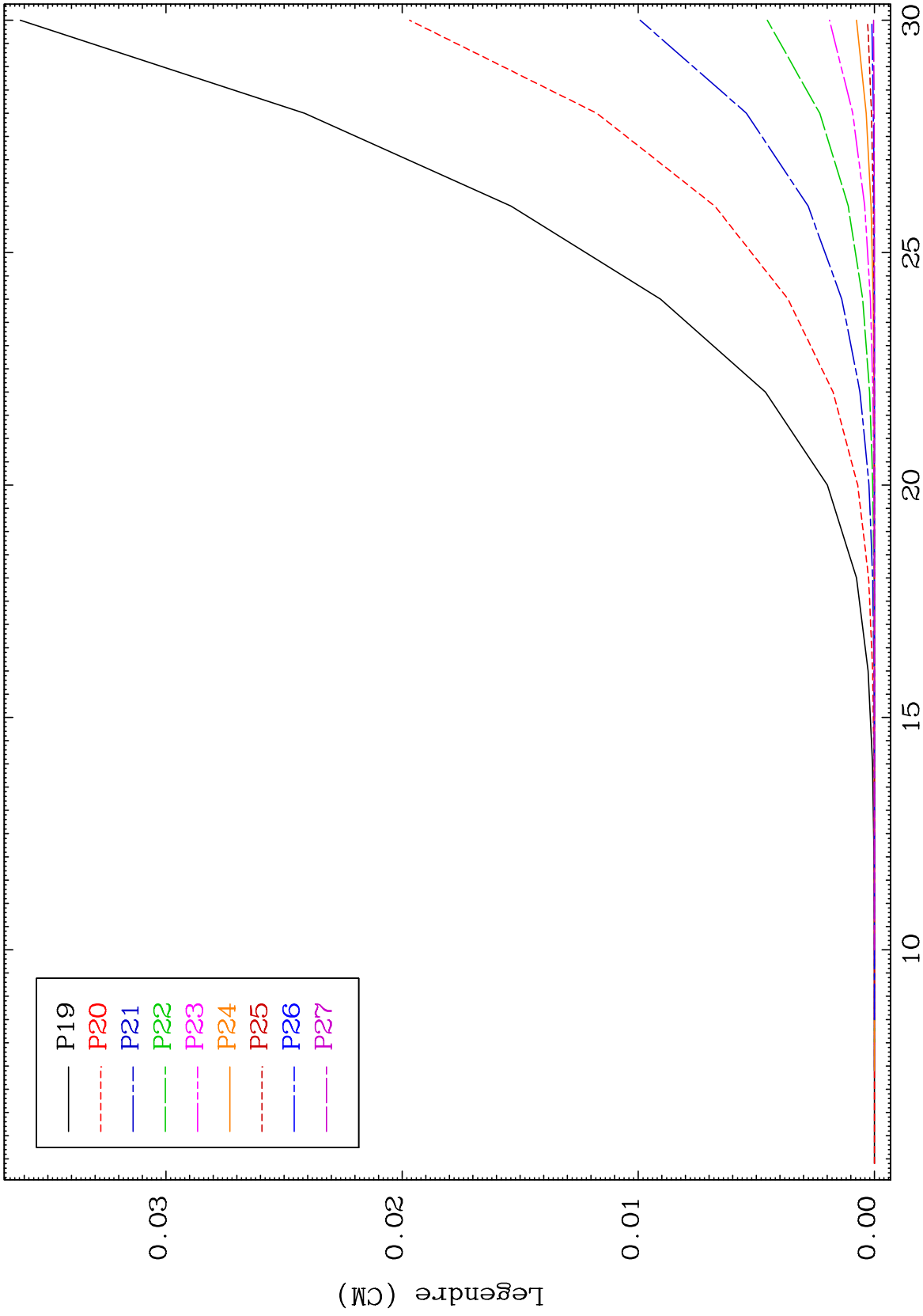
85-At-205

30

MAT 8531

Elastic Legendre Coefficients

85-At-205



16

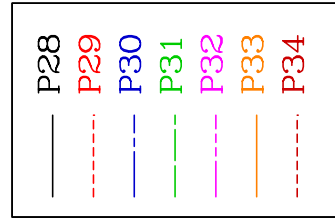
Incident Energy (MeV)

85-At-205

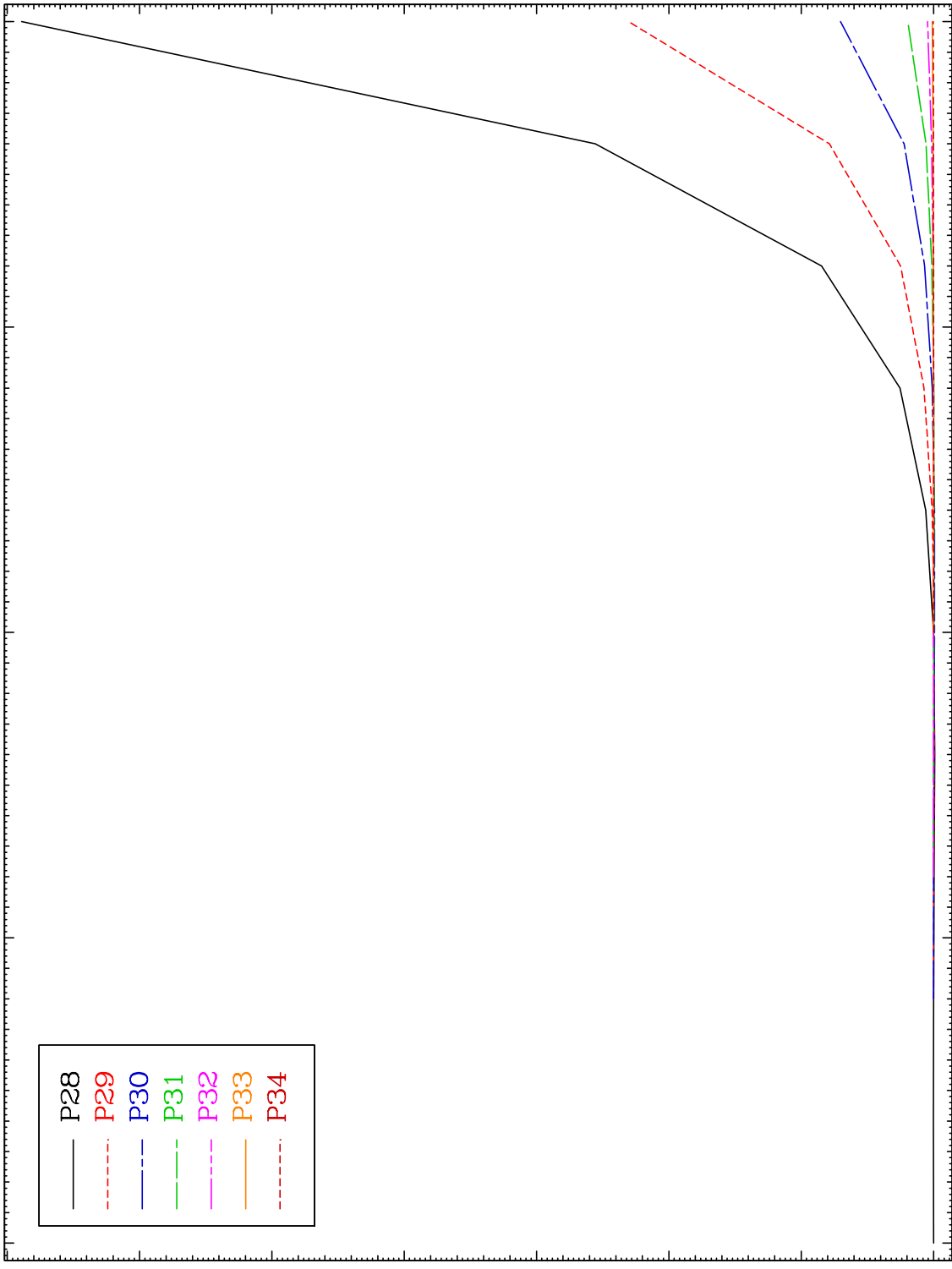
MAT 8531

Elastic Legendre Coefficients

85-At-205



$\times 10^{-5}$
Legendre (CM)



10

15

20

25

30

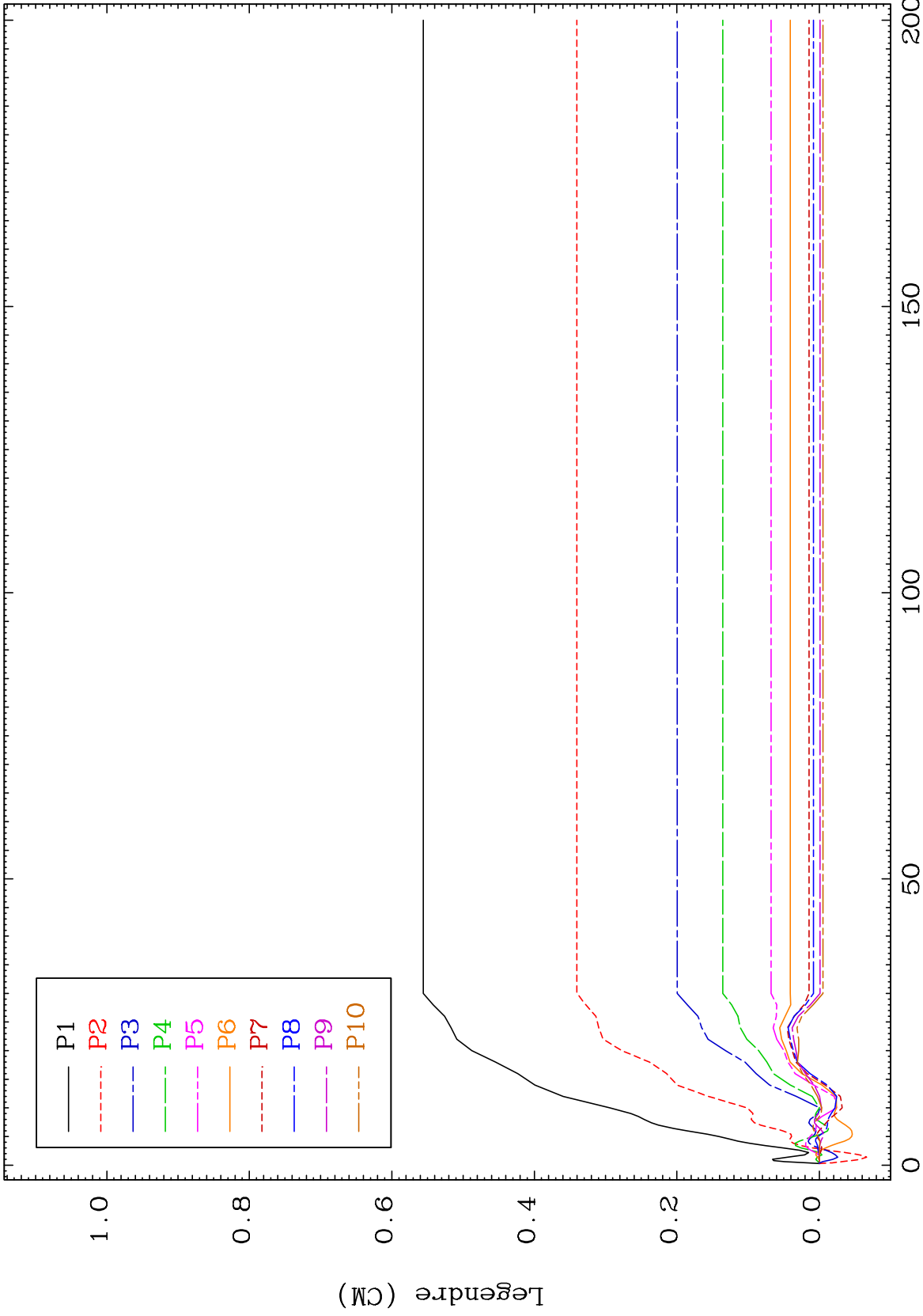
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



18

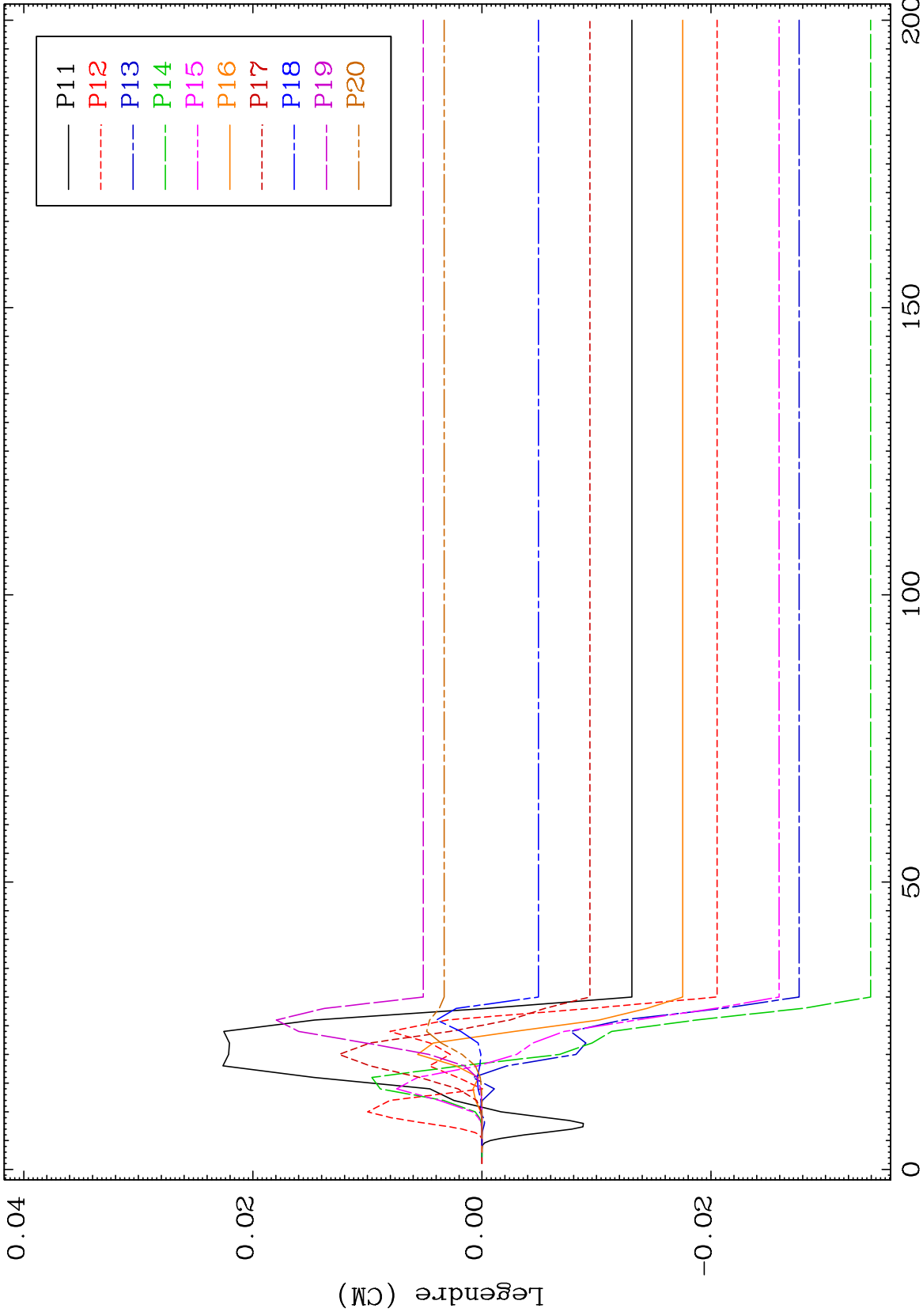
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



19

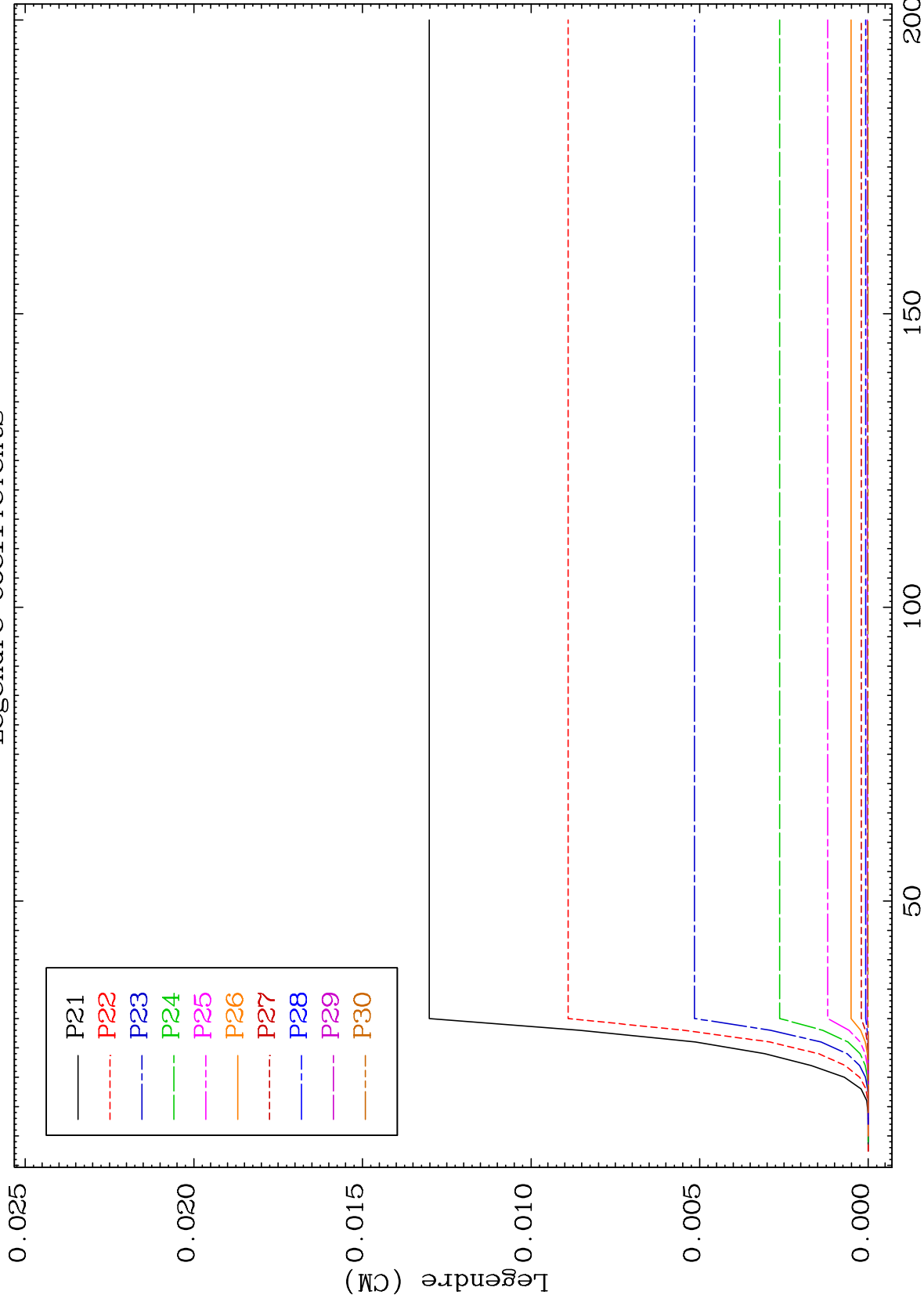
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



20

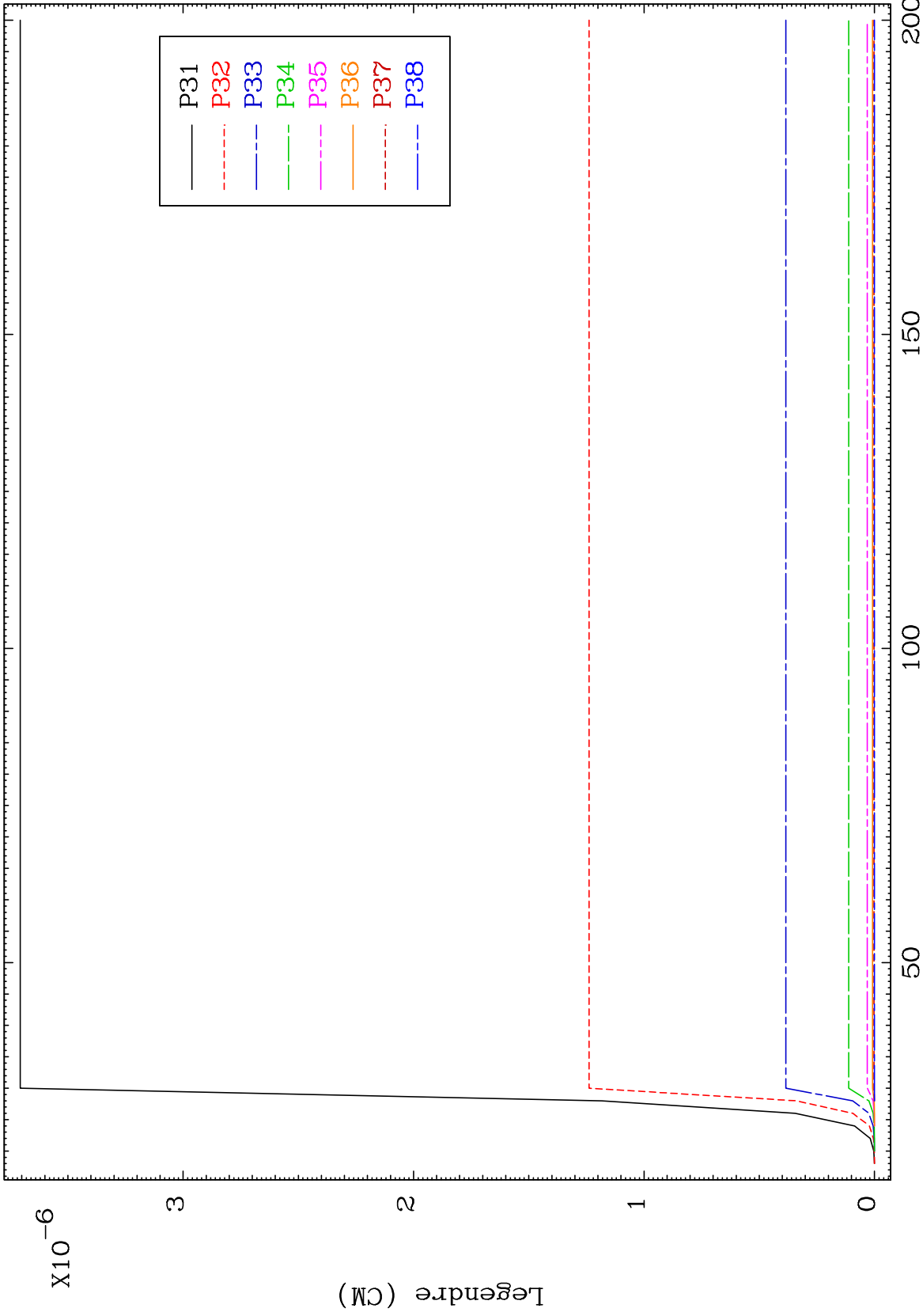
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



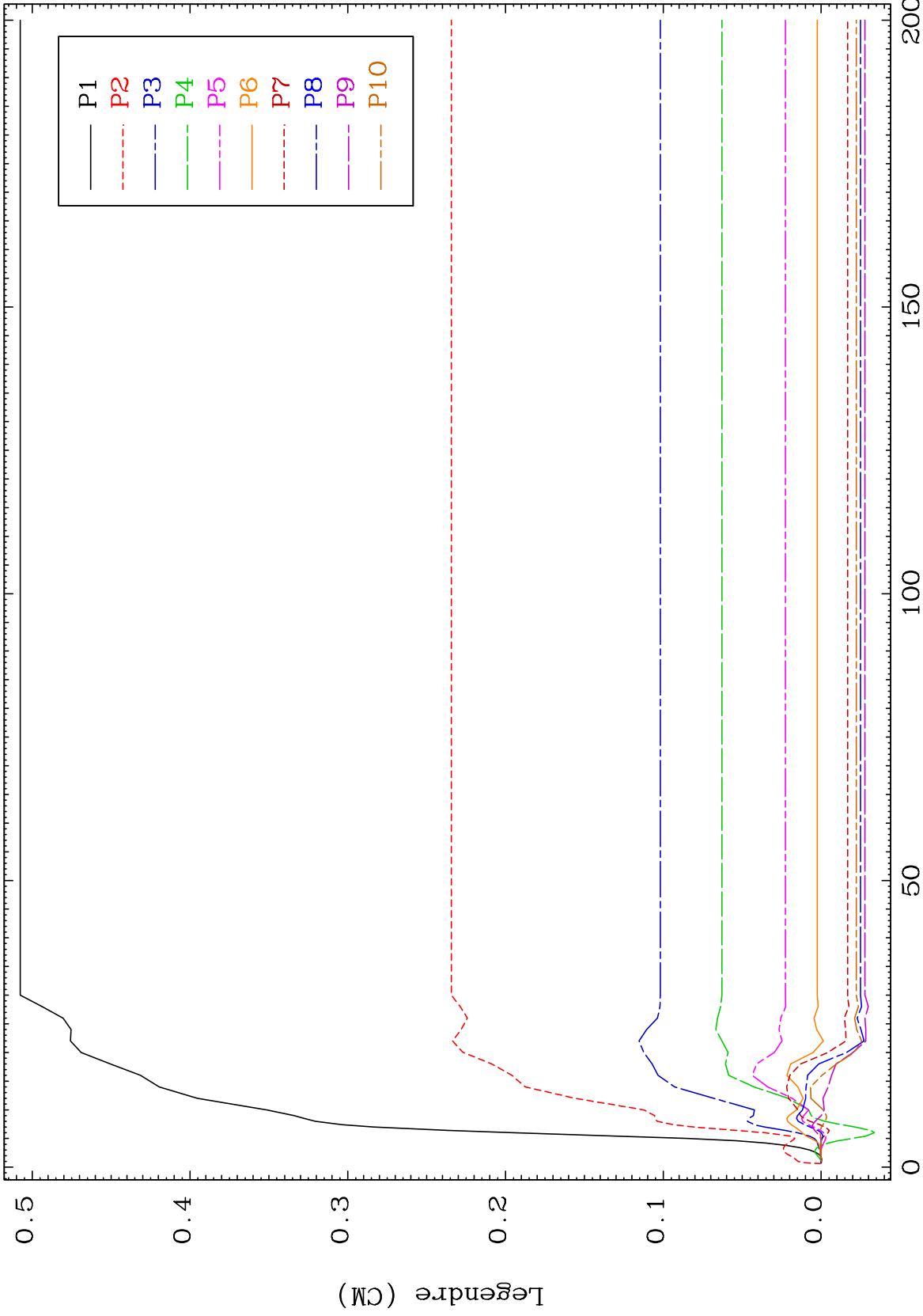
21

85-At-205

MAT 8531

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

85-At-205



22

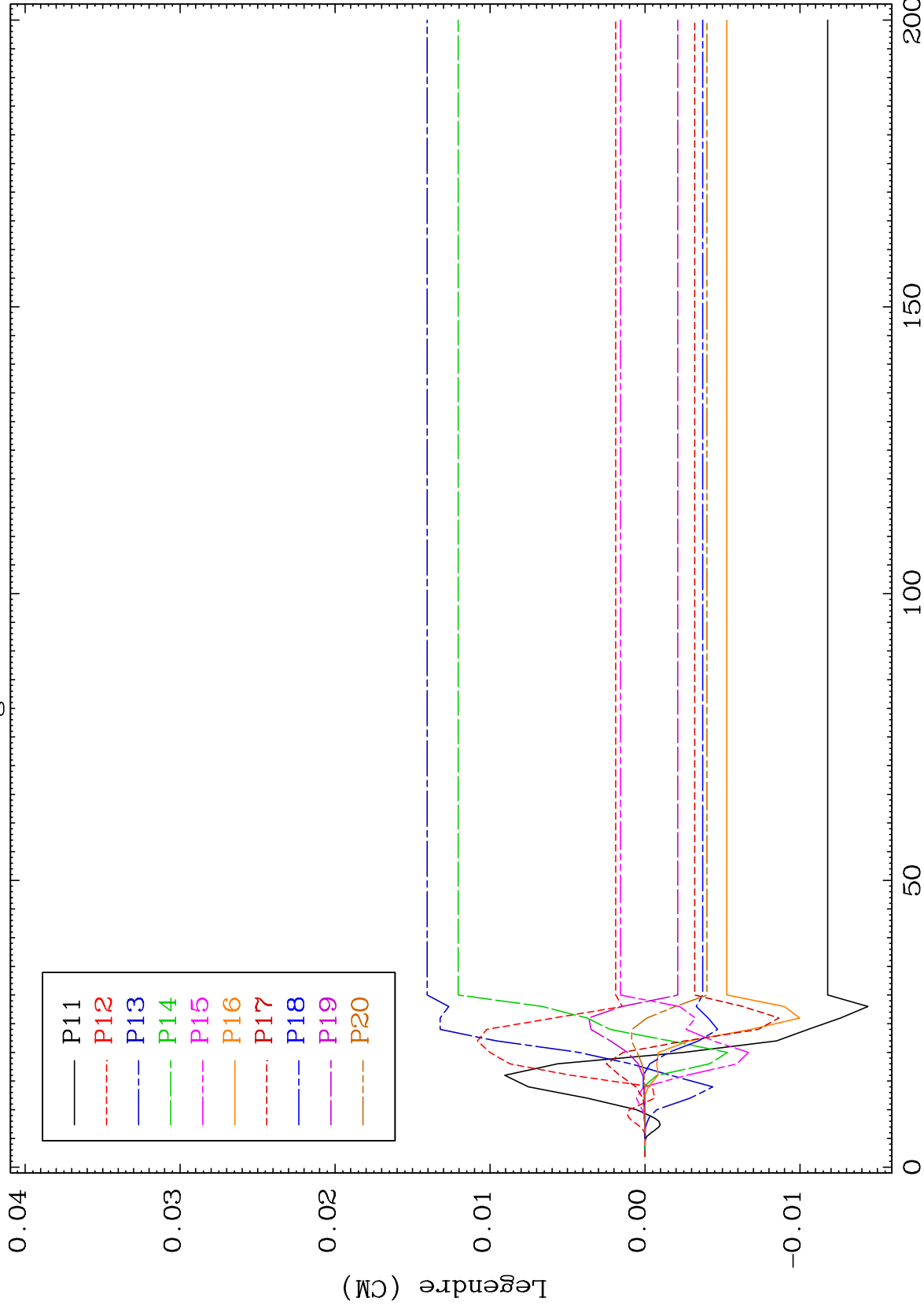
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



23

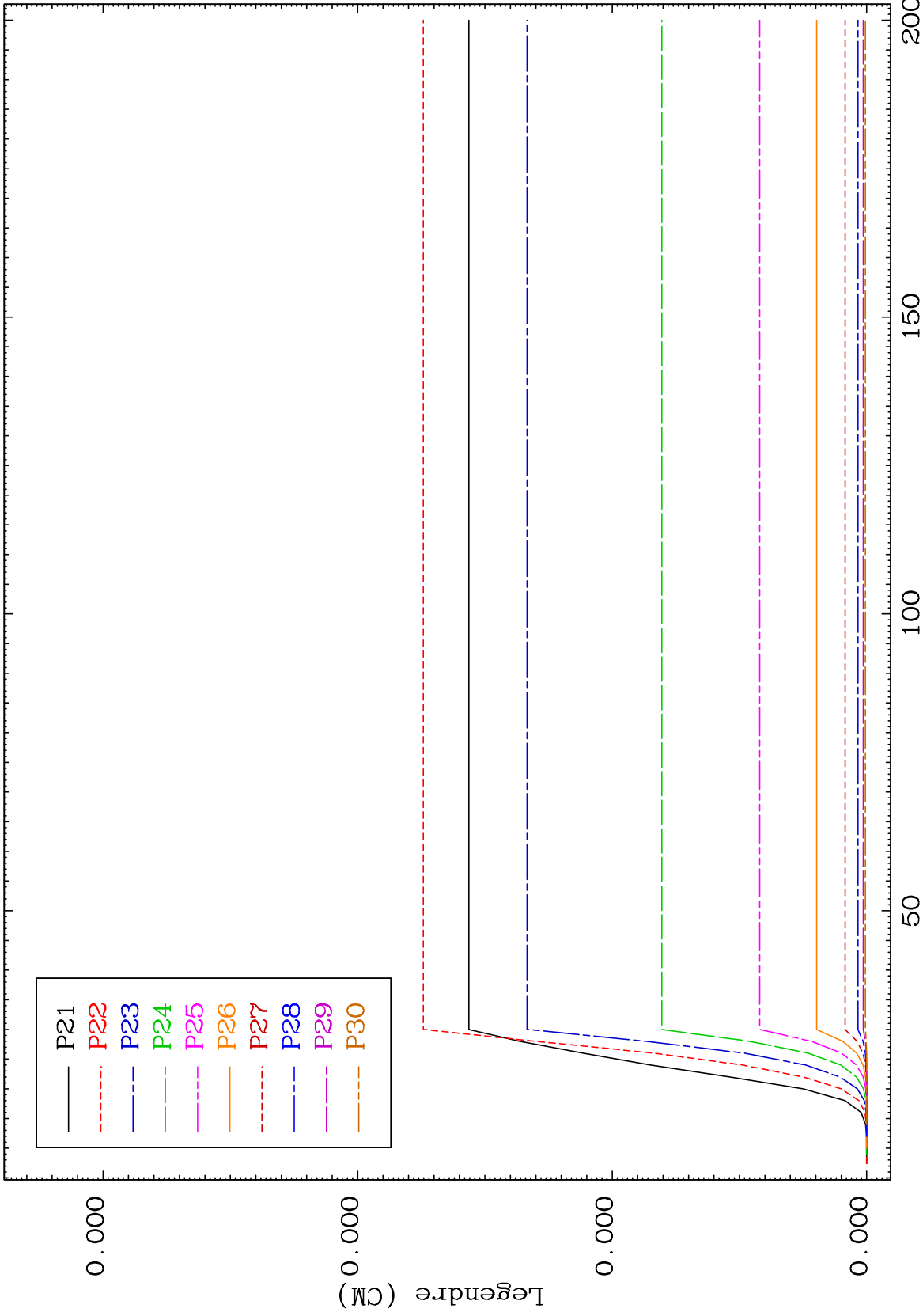
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



24

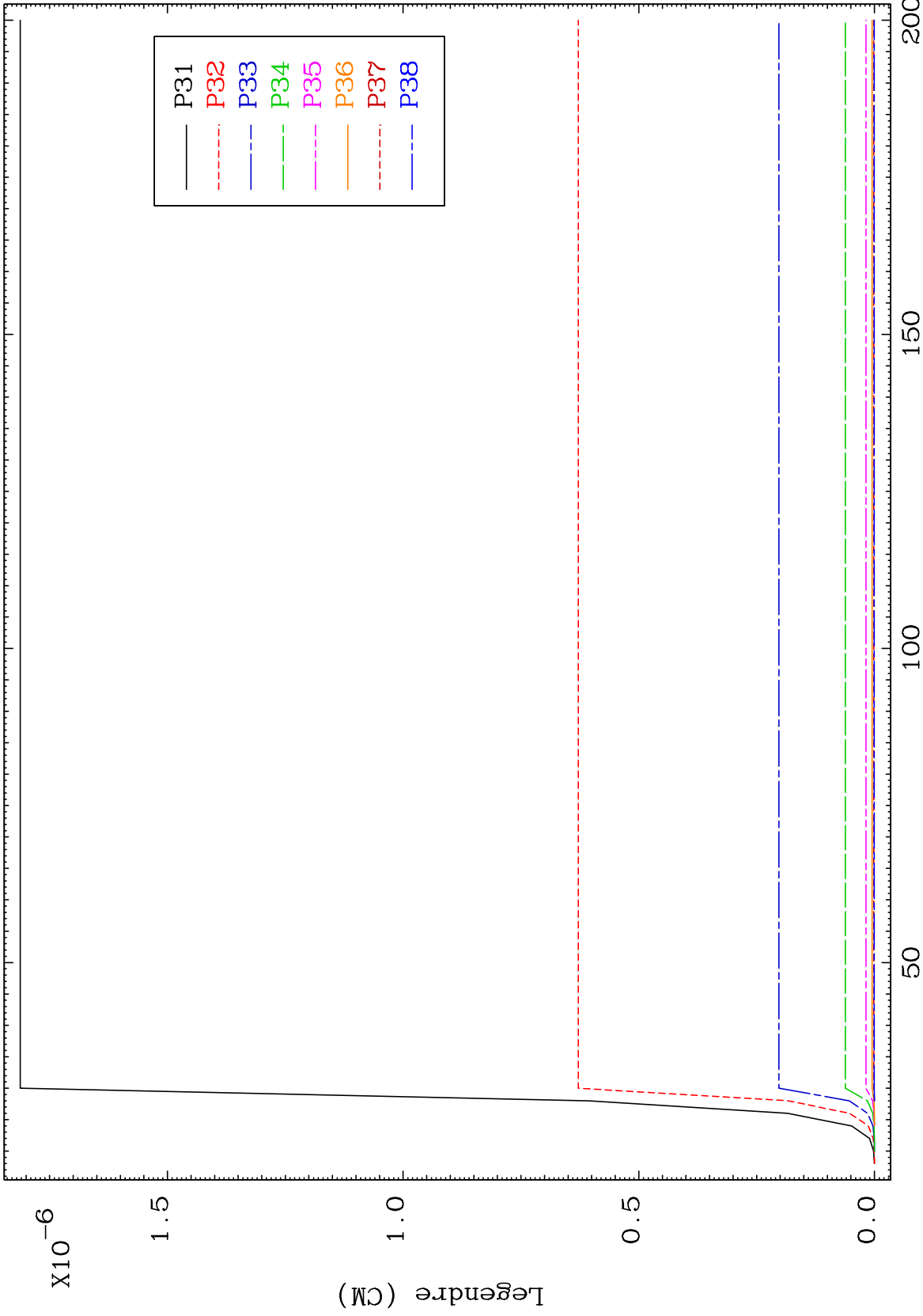
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



25

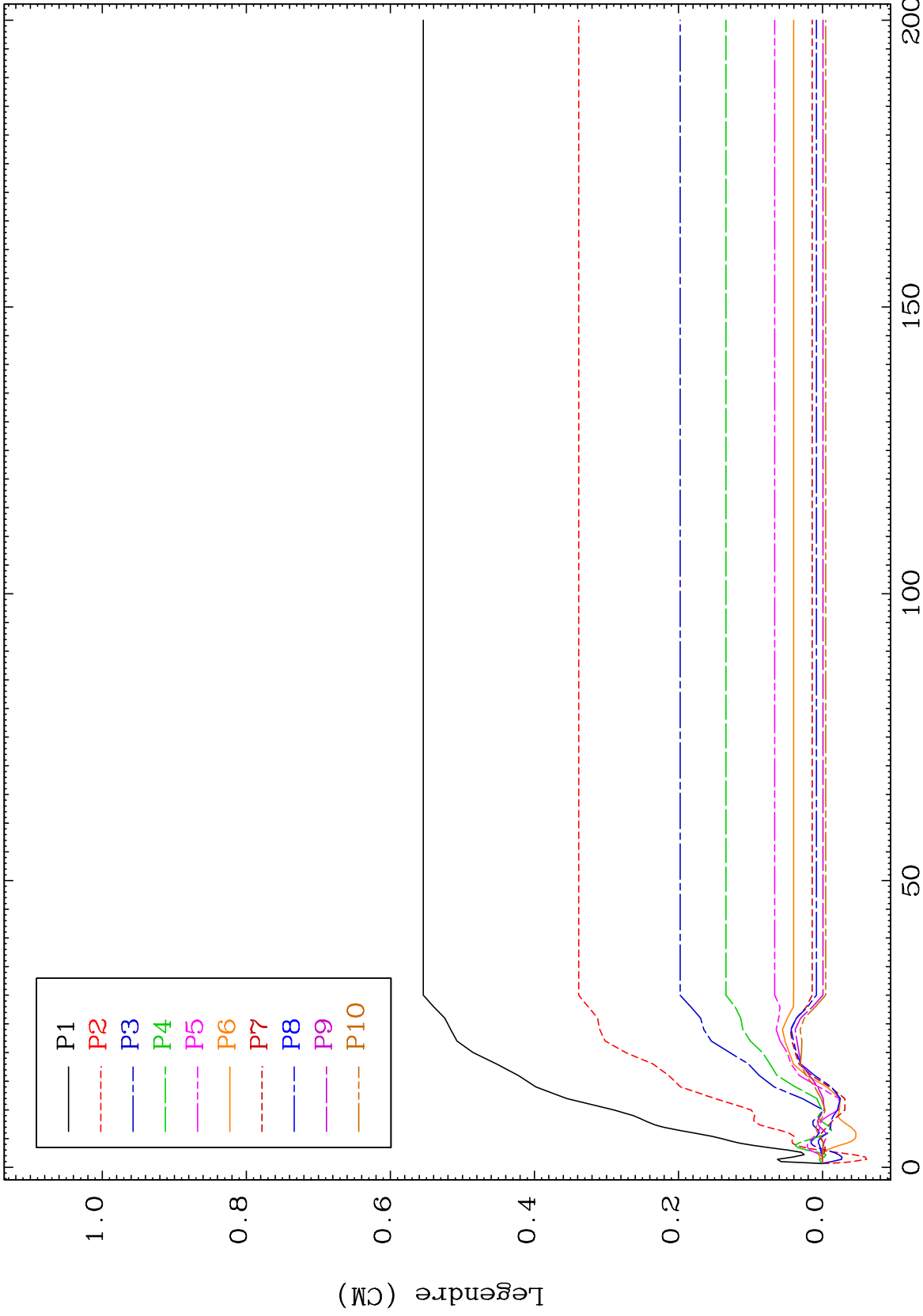
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



26

Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



27

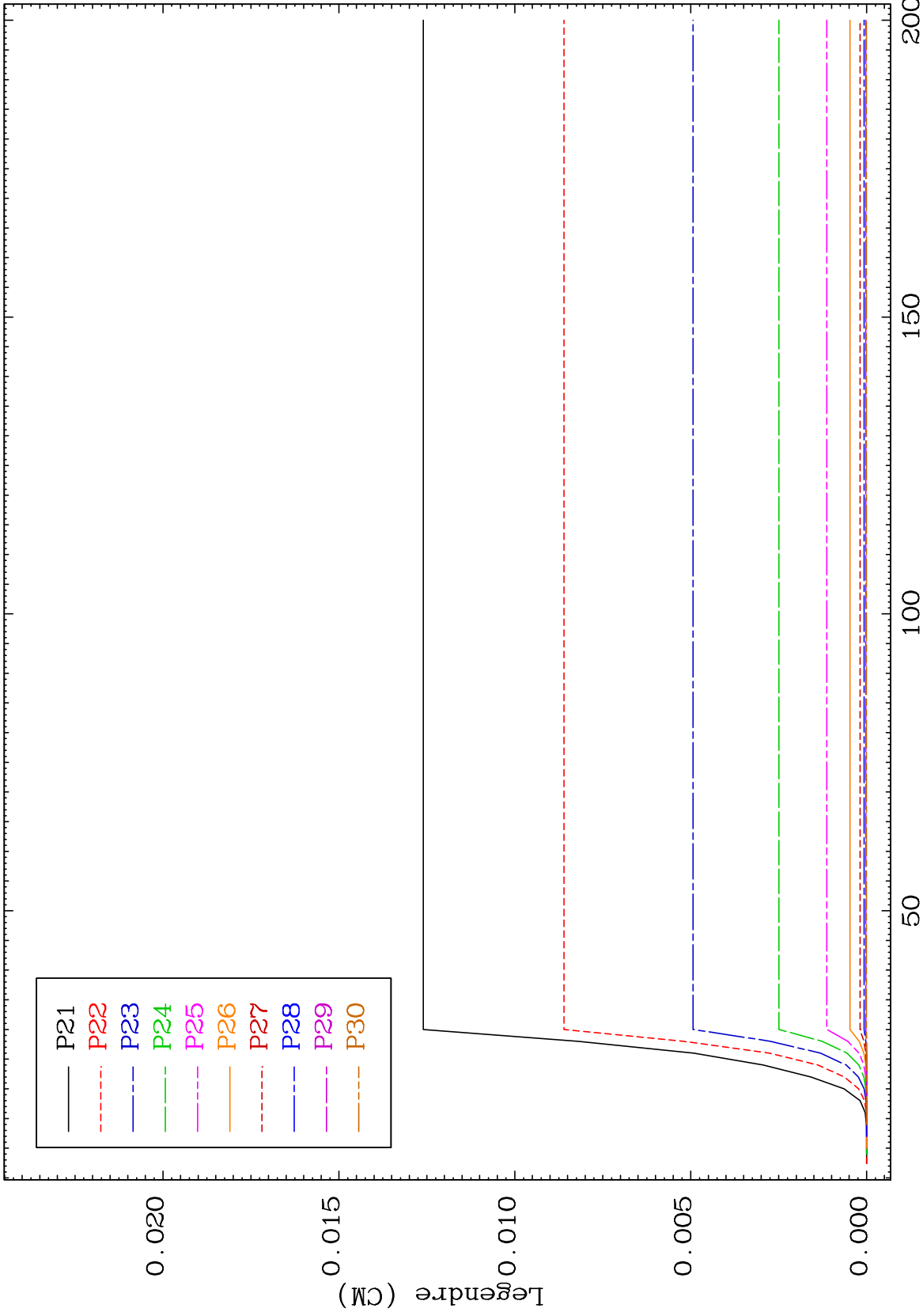
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



28

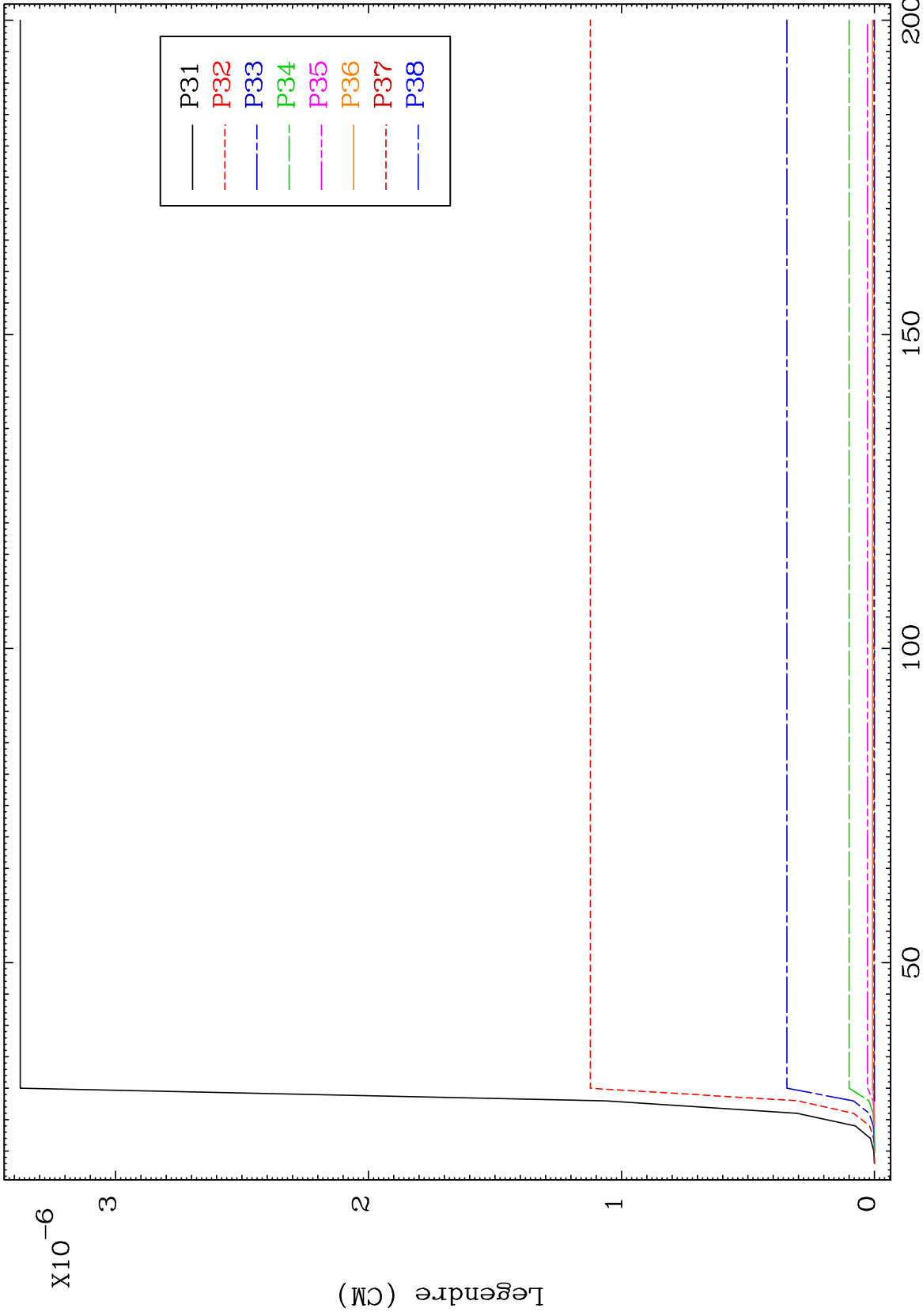
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



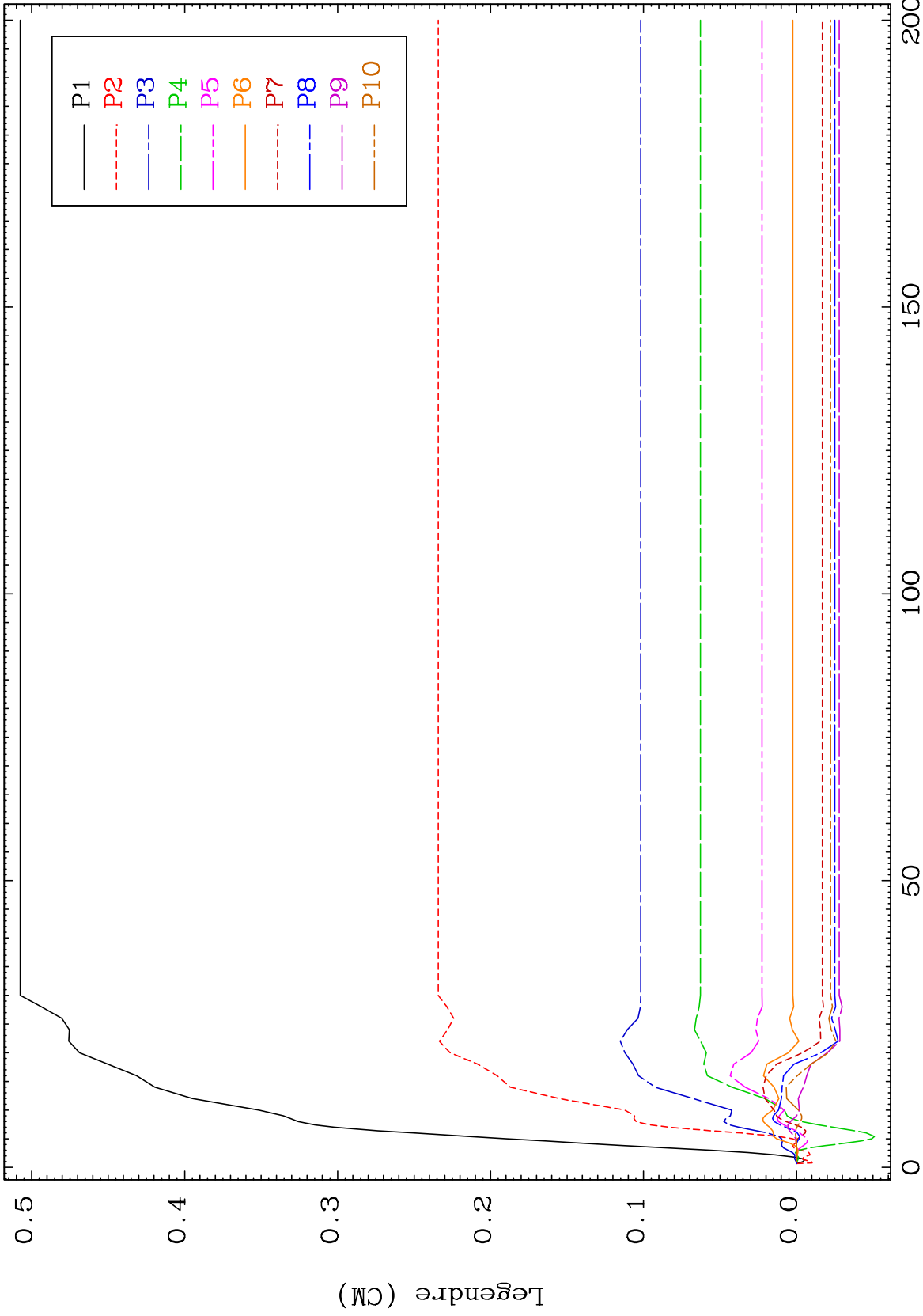
29

85-At-205

MAT 8531

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

85-At-205



30

Incident Energy (MeV)

50

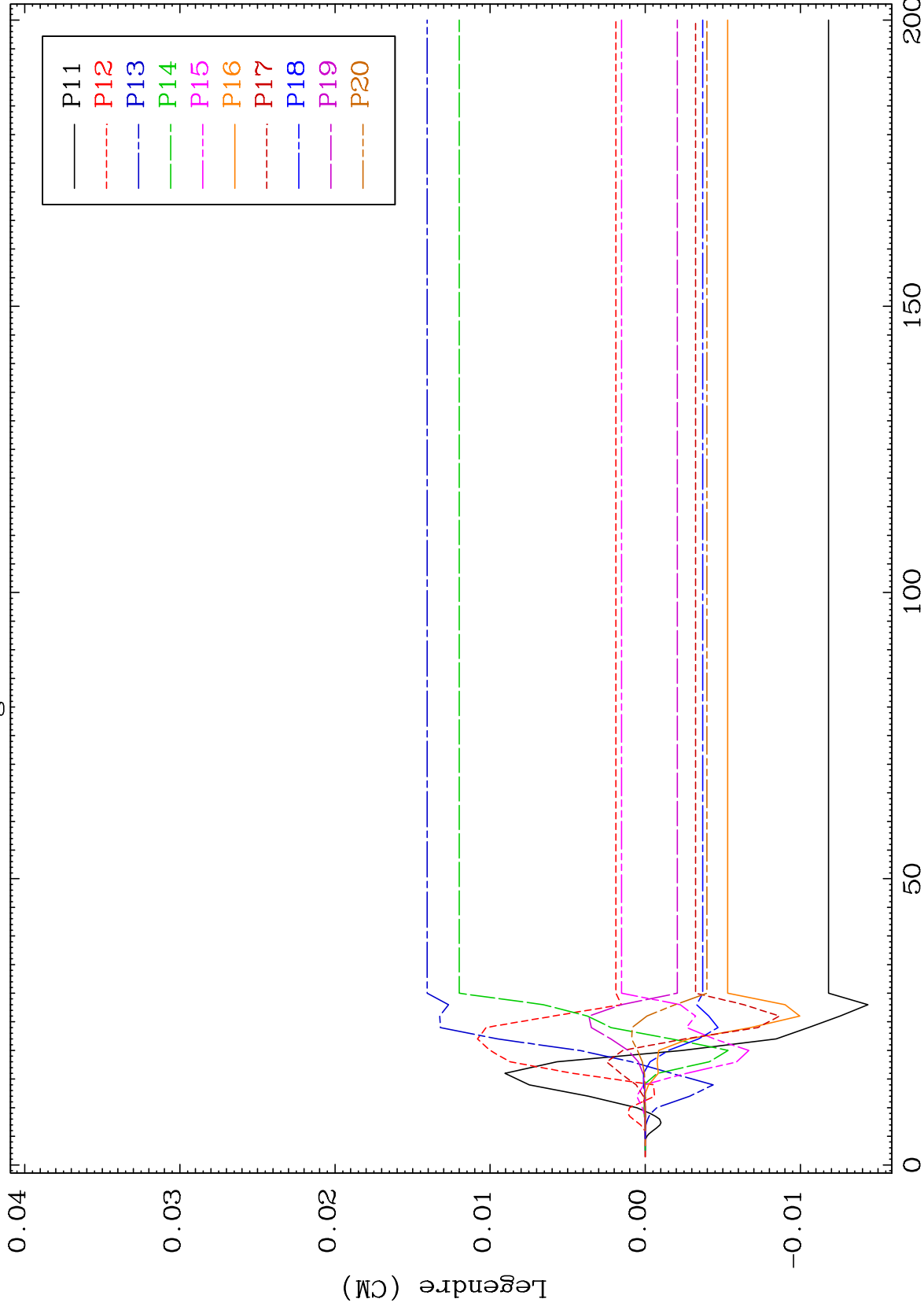
85-At-205

200

MAT 8531

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

85-At-205



31

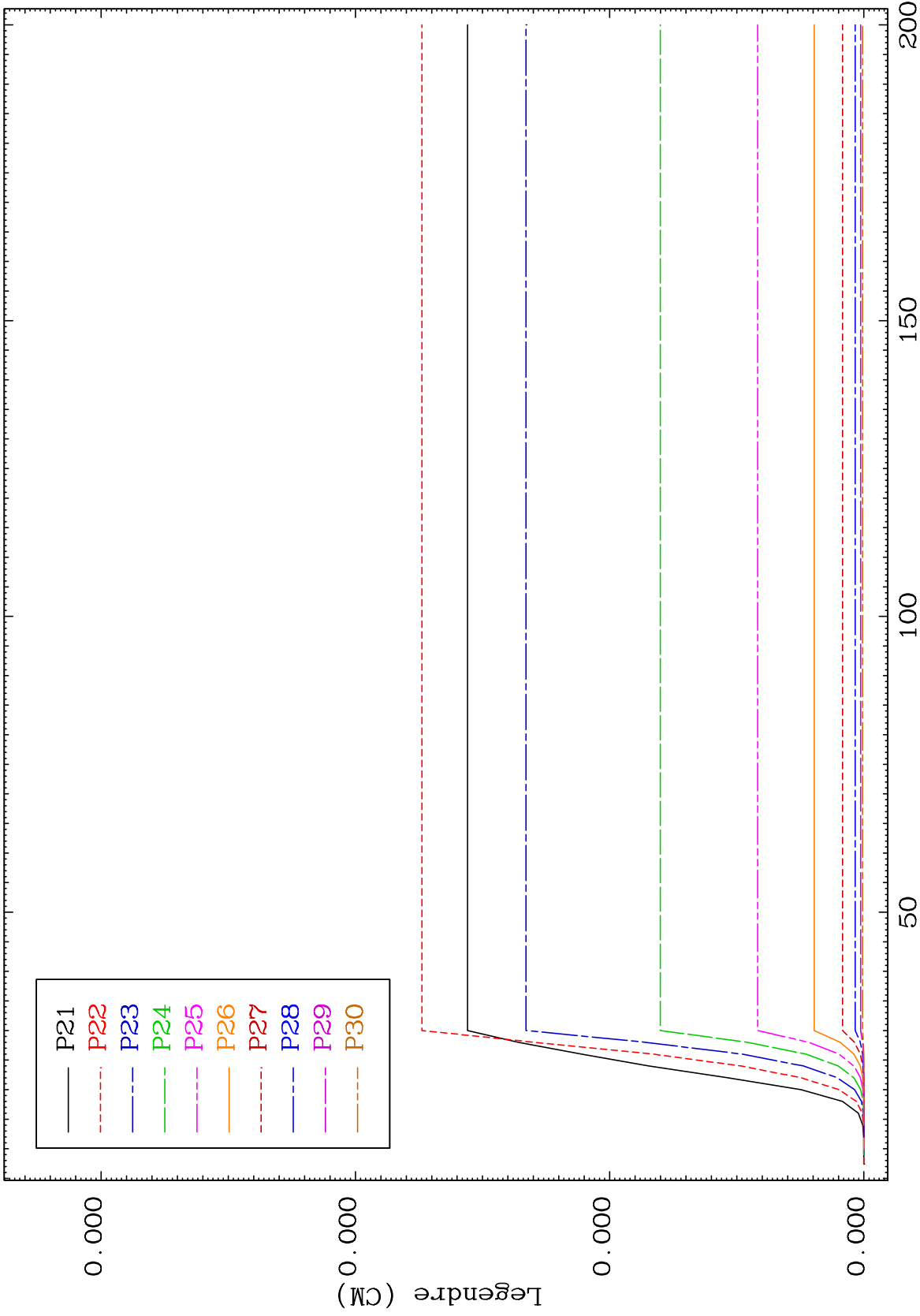
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



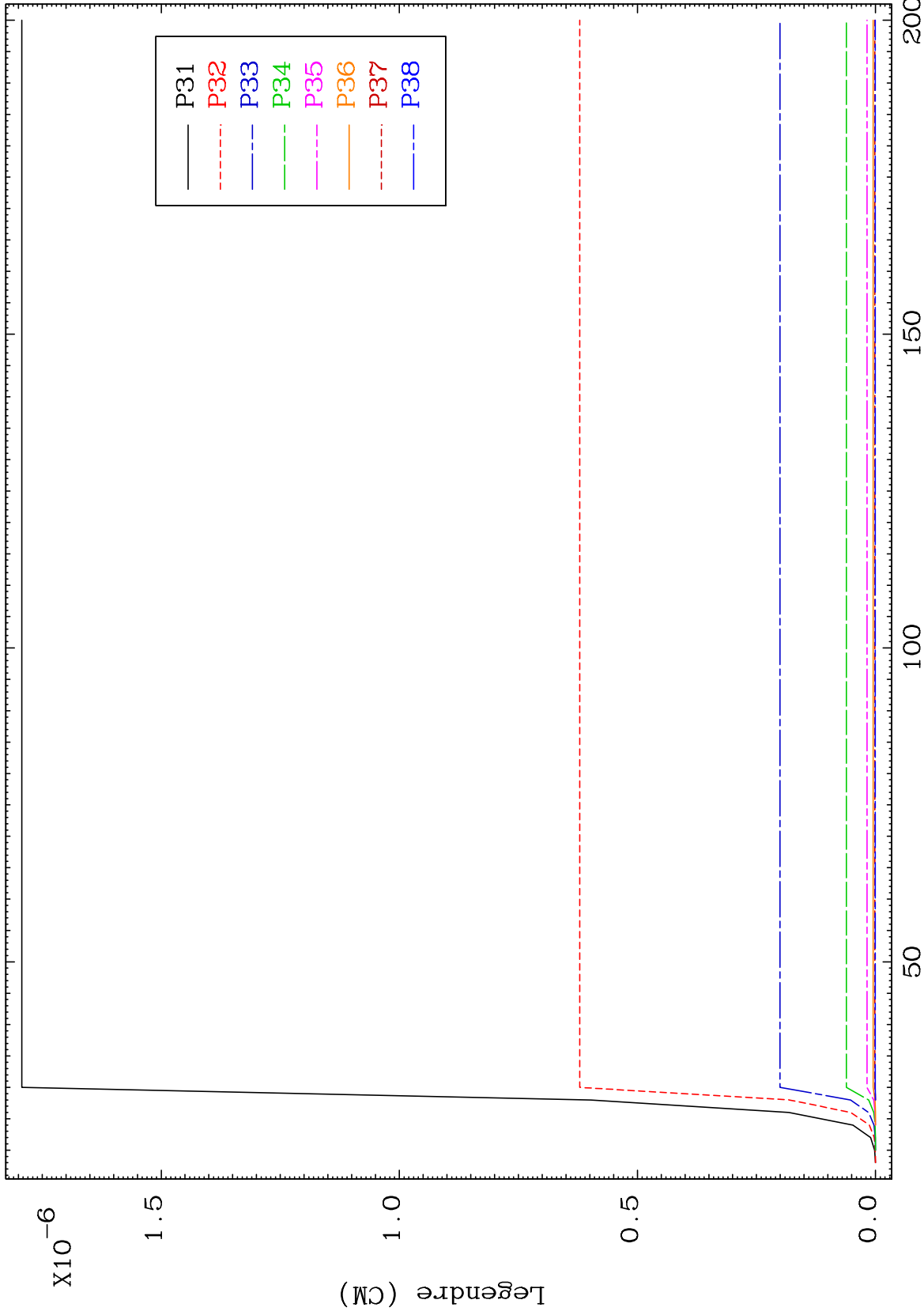
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85-At-205

MAT 8531

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

85-At-205



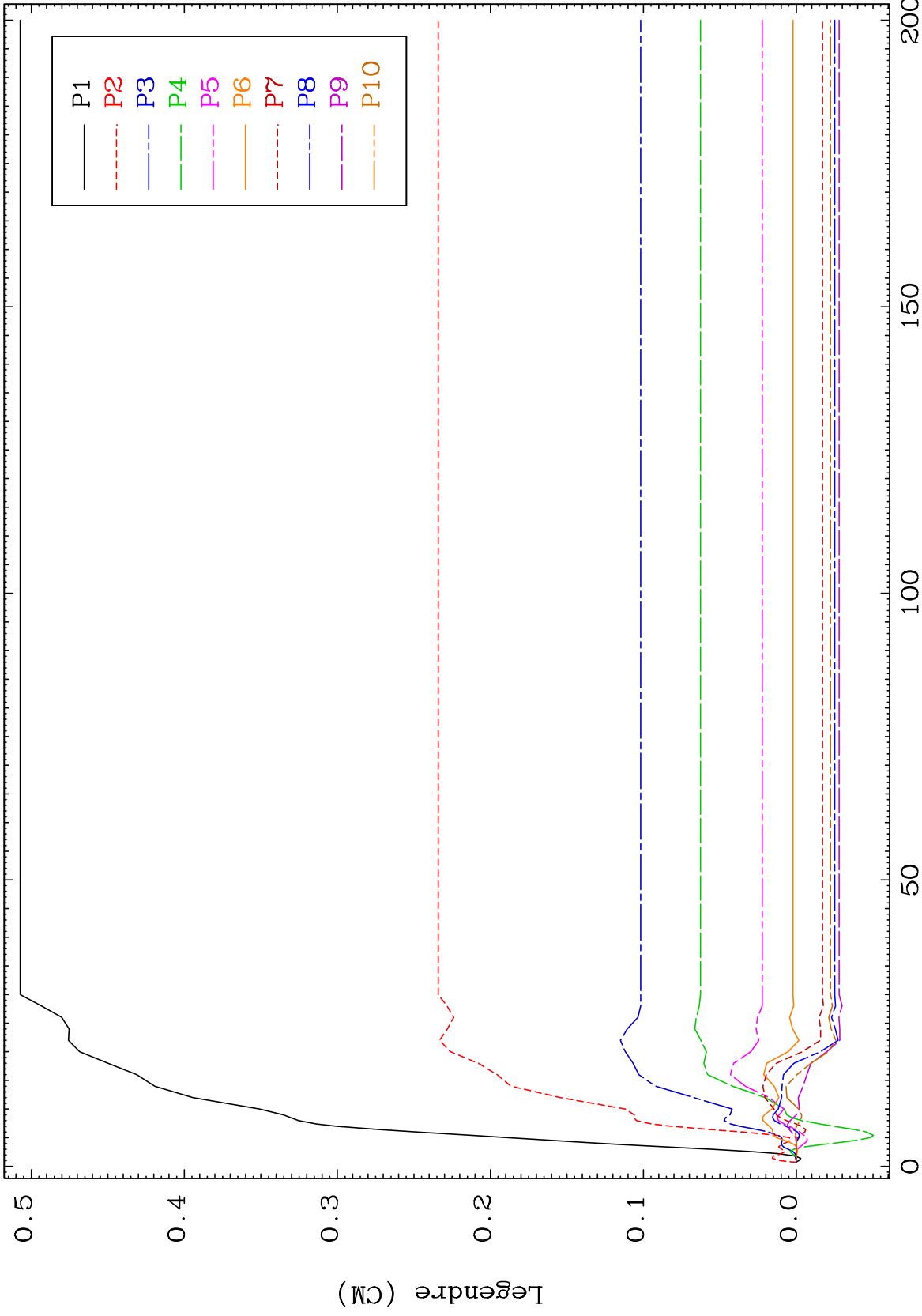
33

85-At-205

MAT 8531

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

85-At-205



34

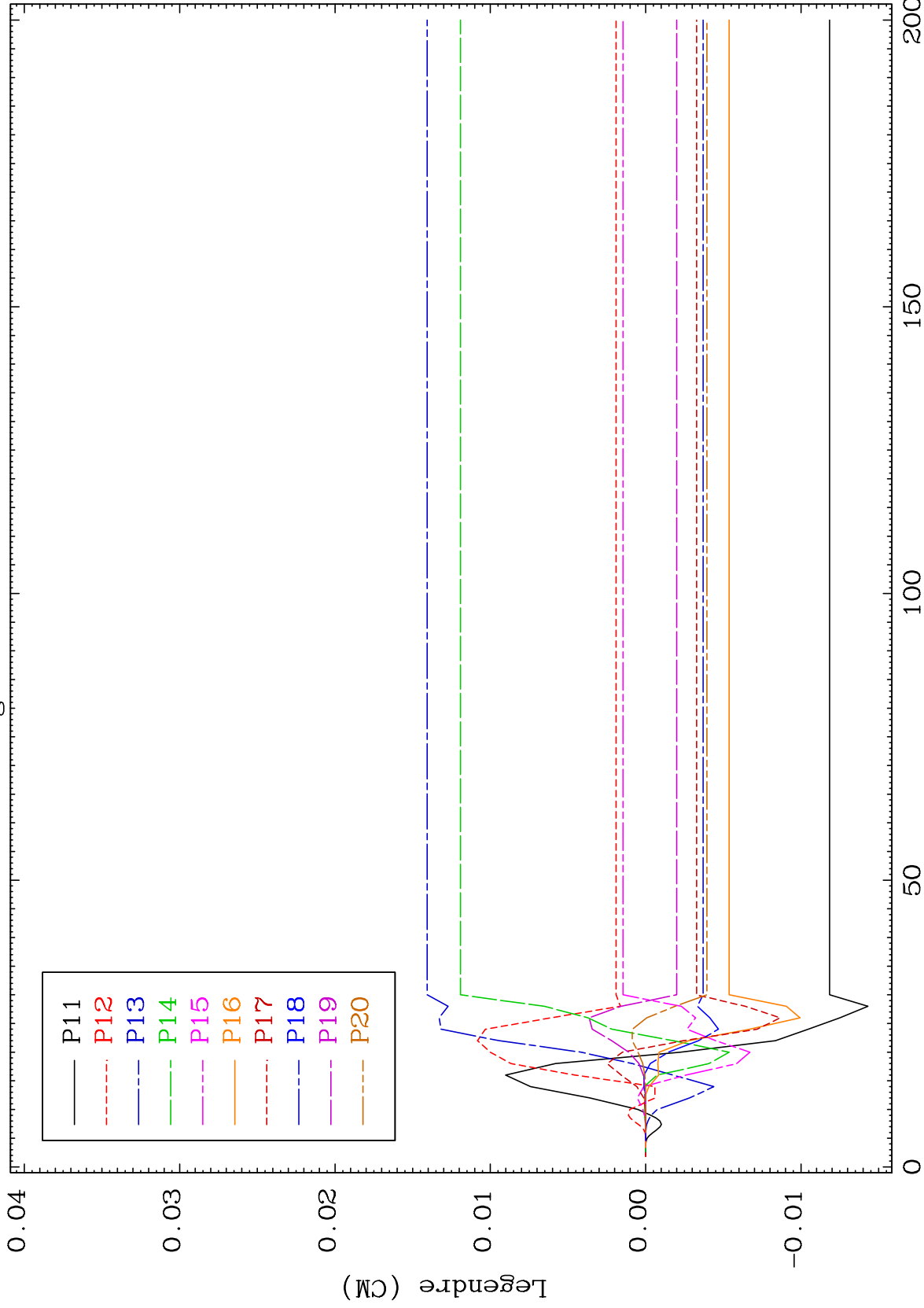
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



35

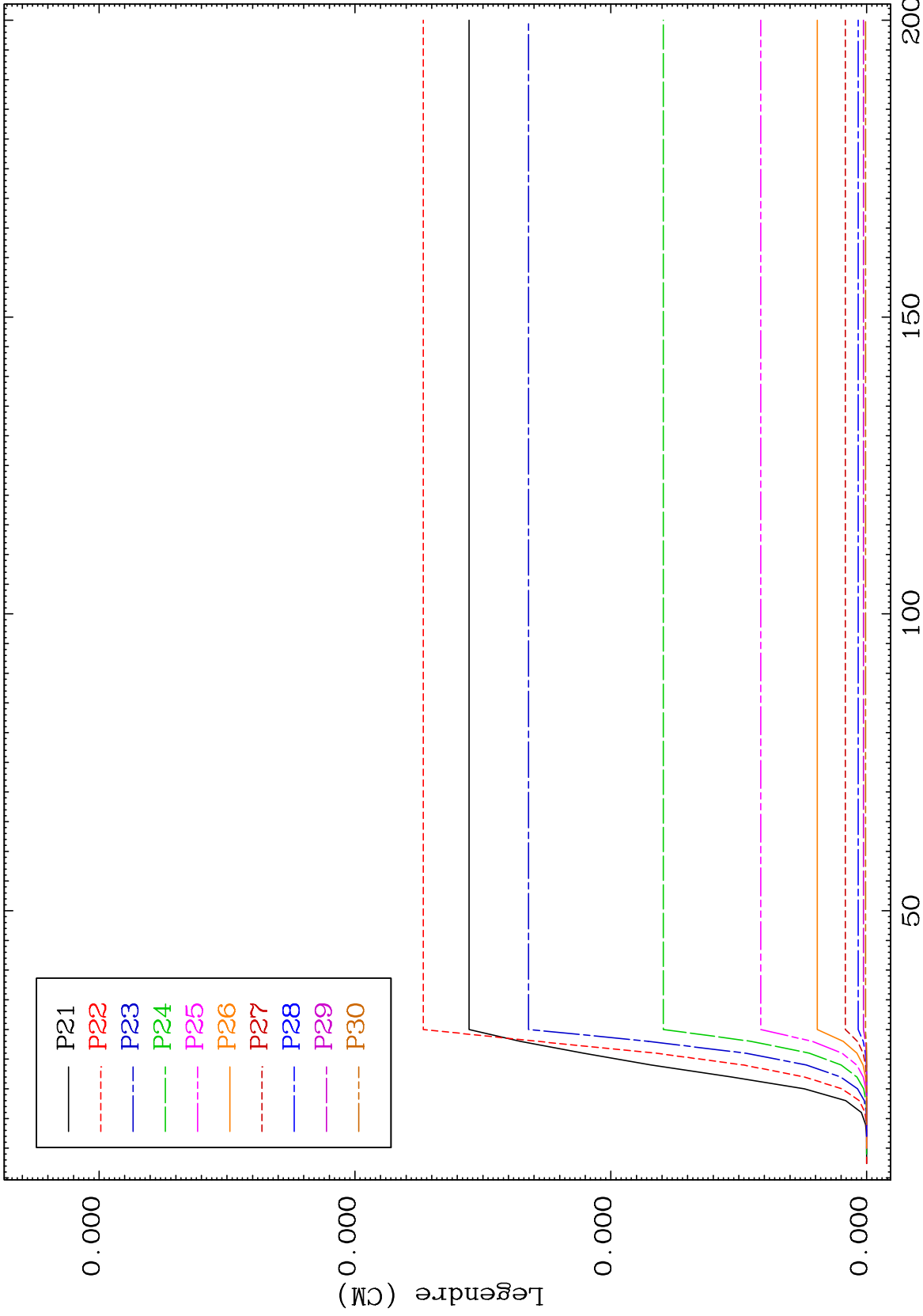
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



36

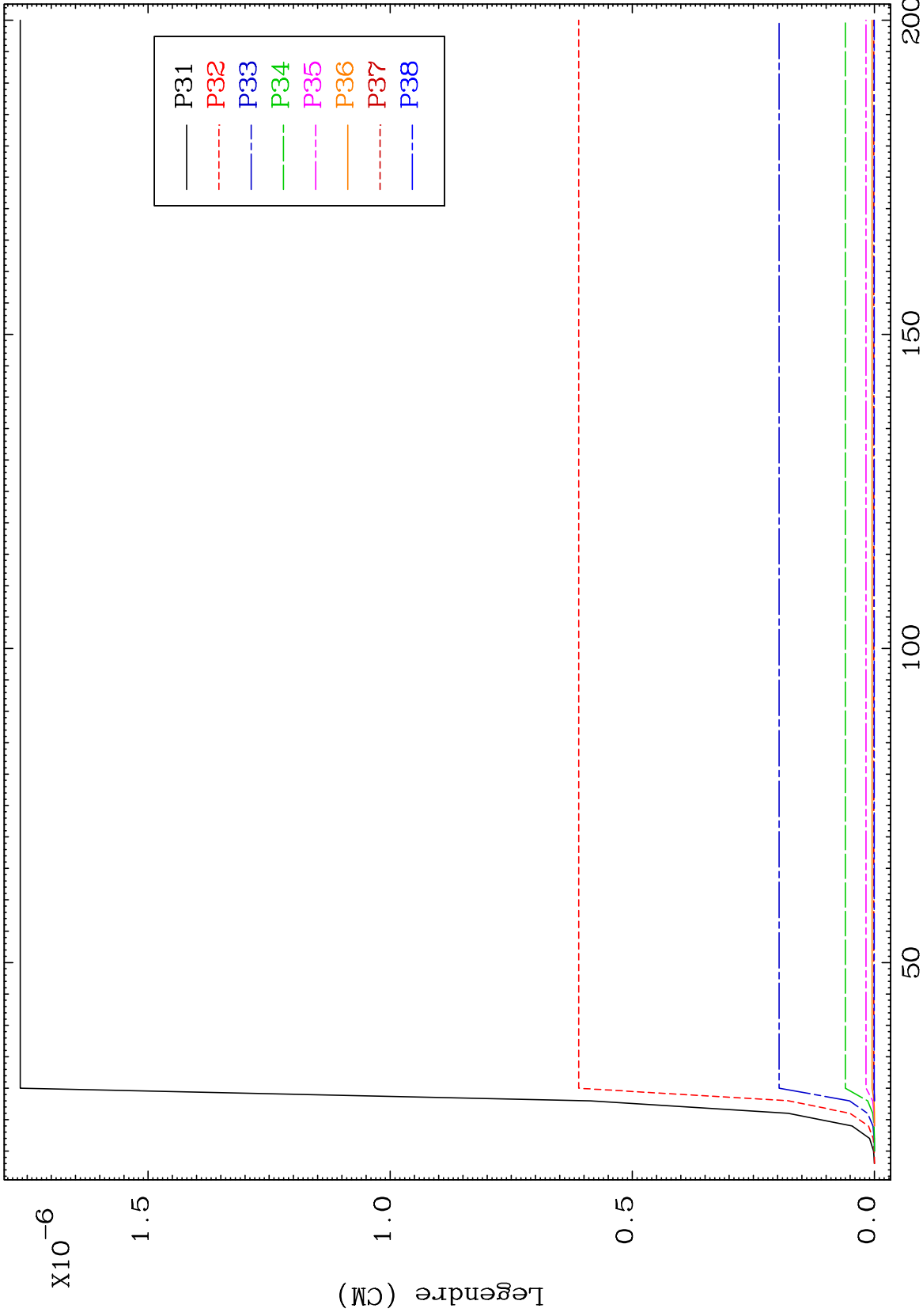
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



37

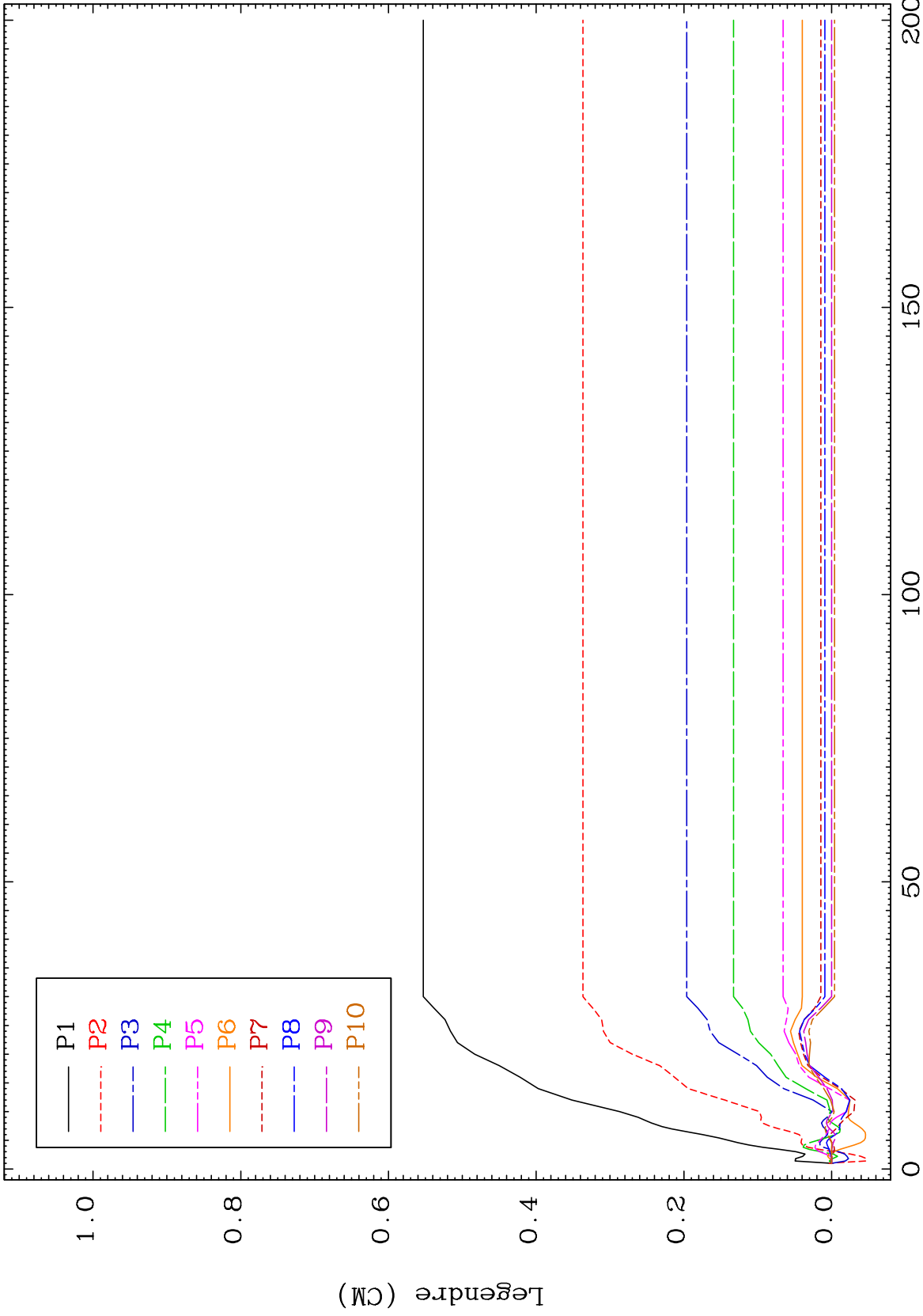
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



38

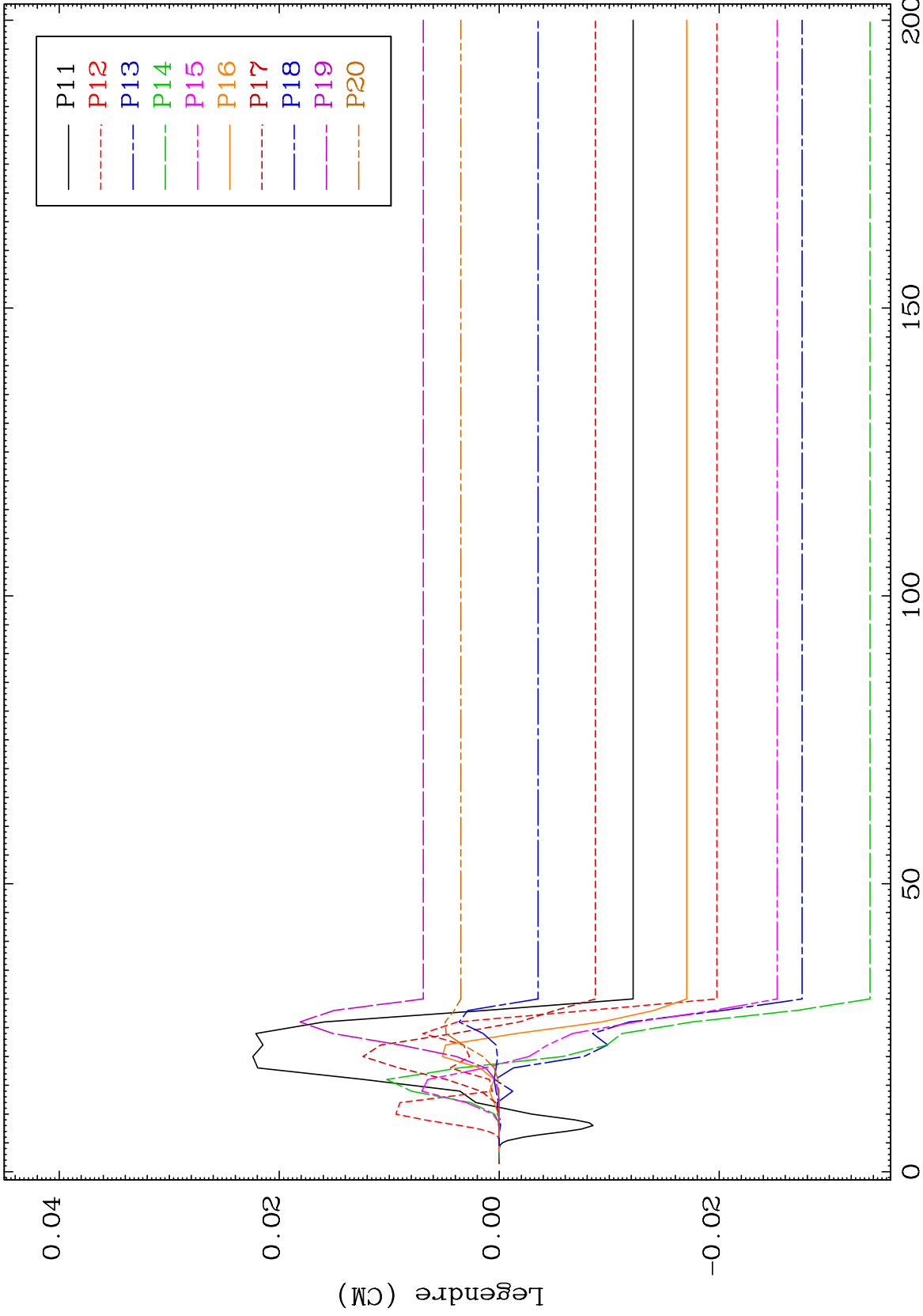
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



39

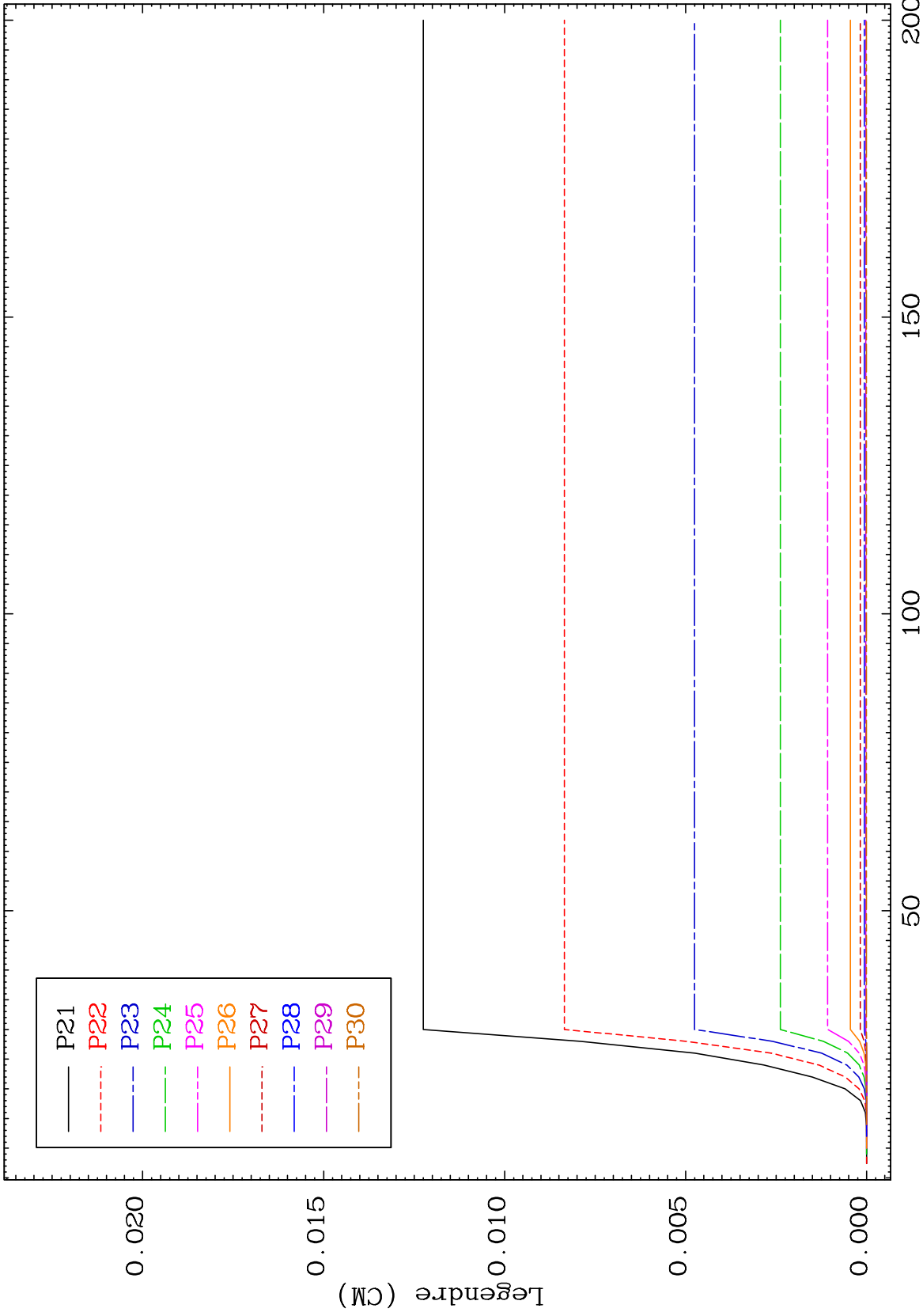
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



40

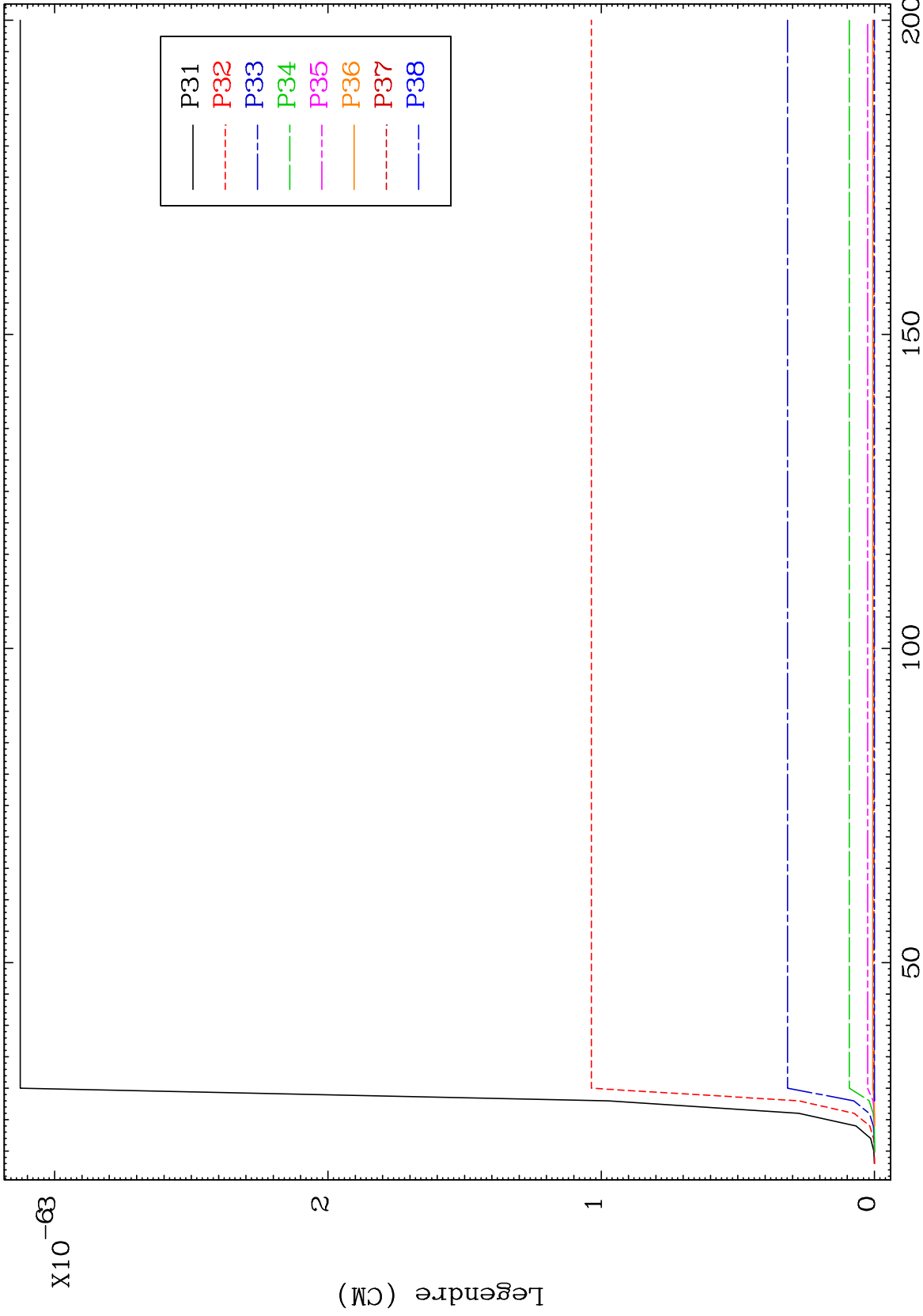
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



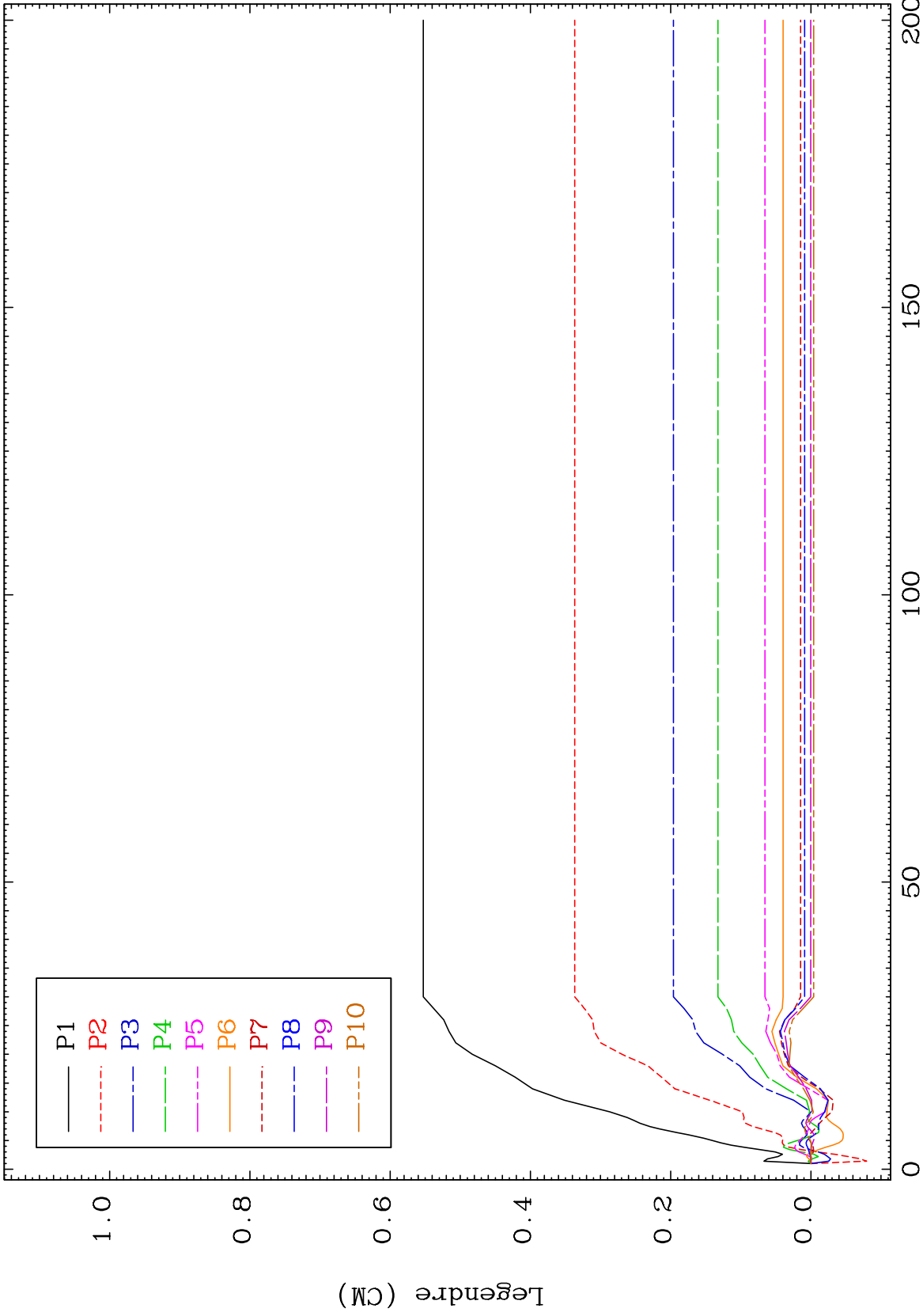
41

85-At-205

MAT 8531

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

85-At-205



42

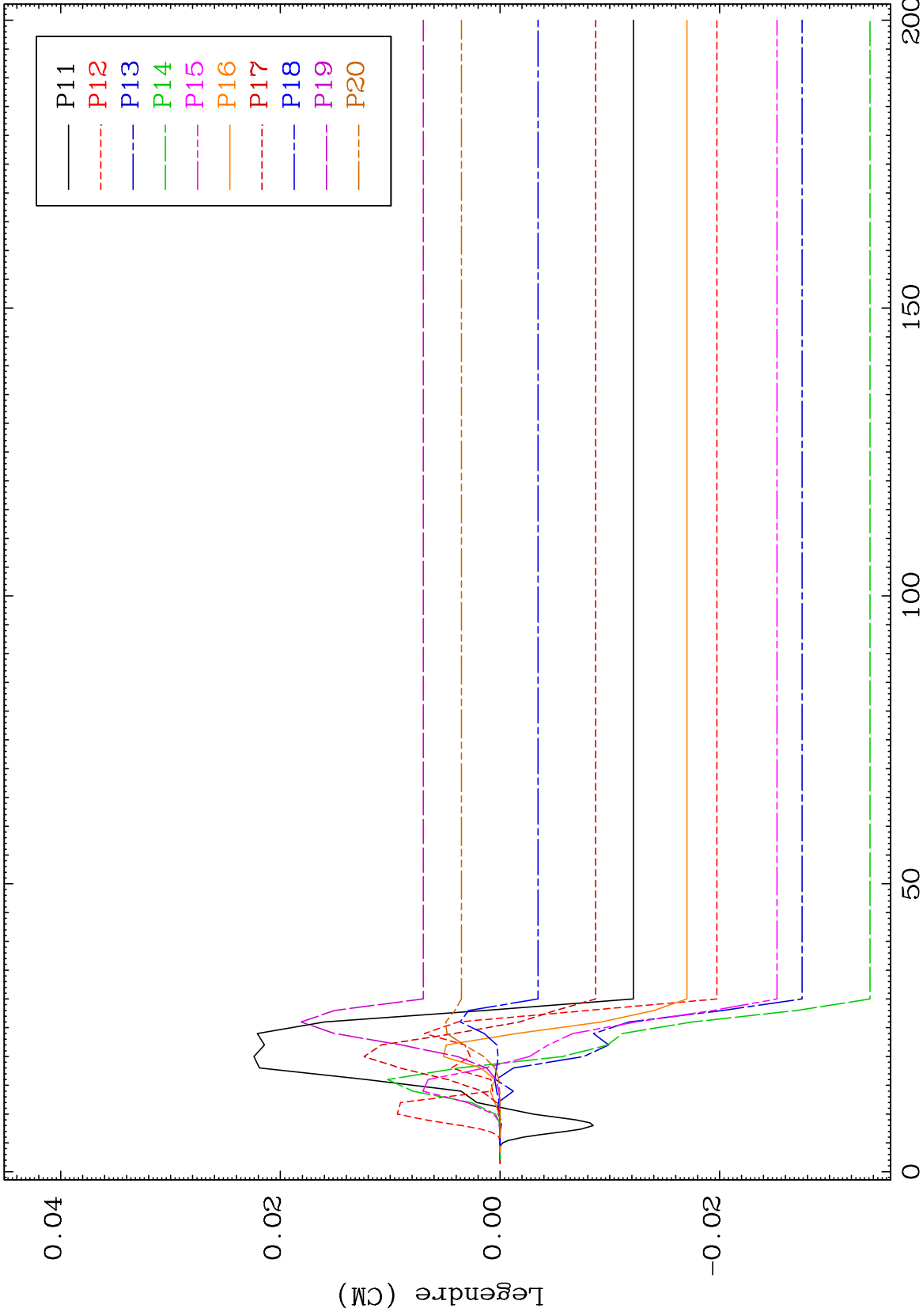
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



43

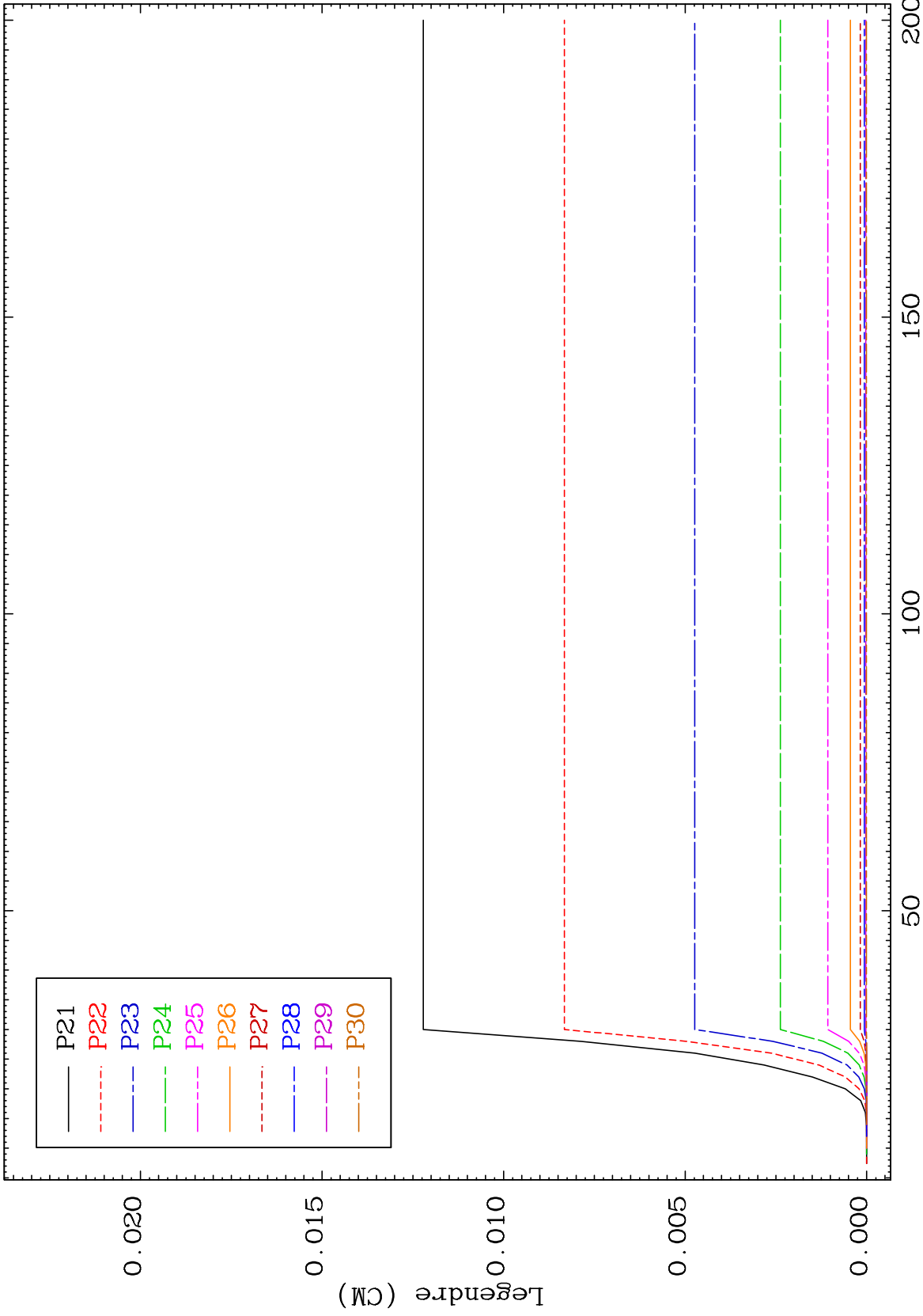
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



44

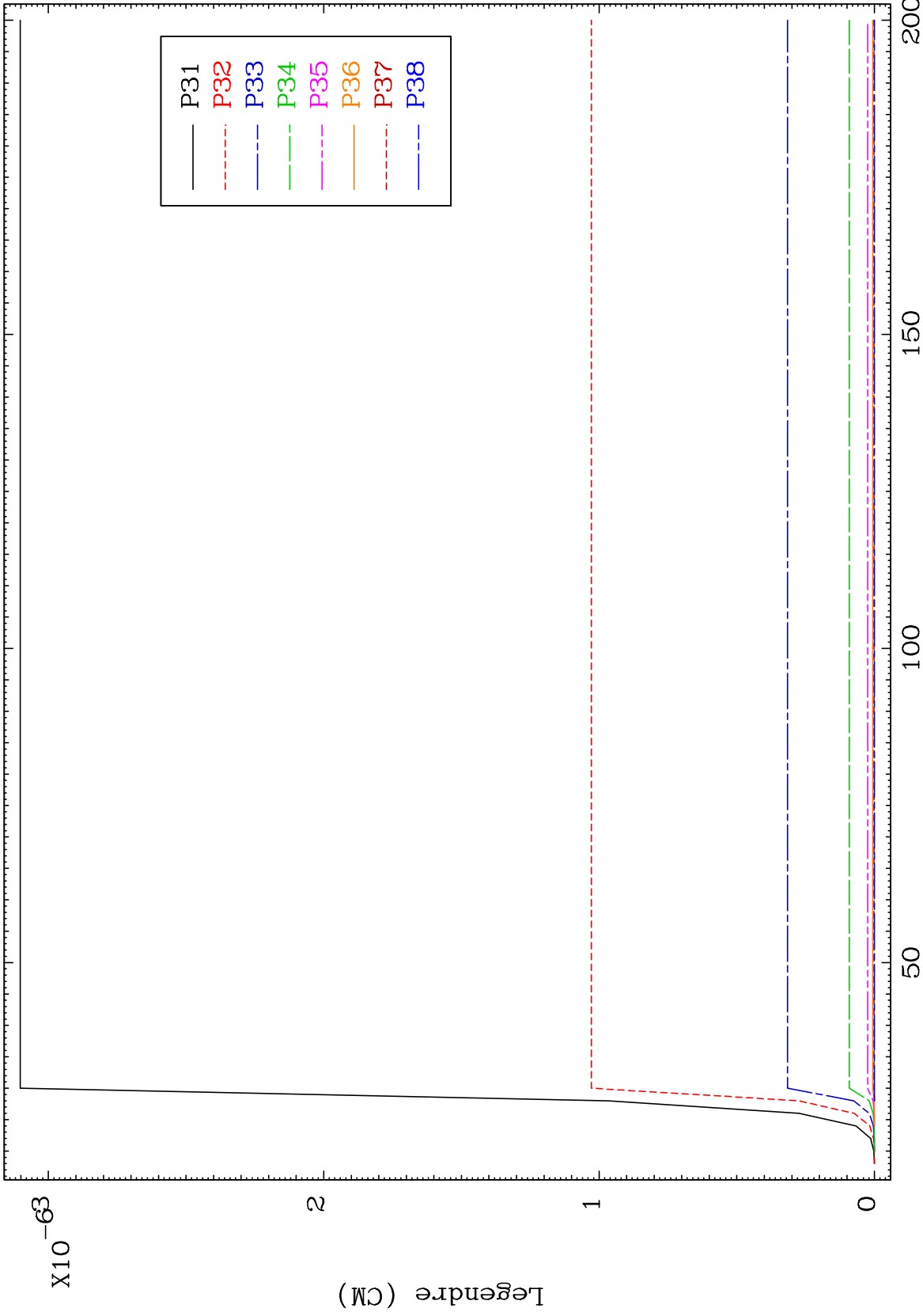
85-At-205

85-At-205

MAT 8531

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

85-At-205



45

Incident Energy (MeV)

50

100

150

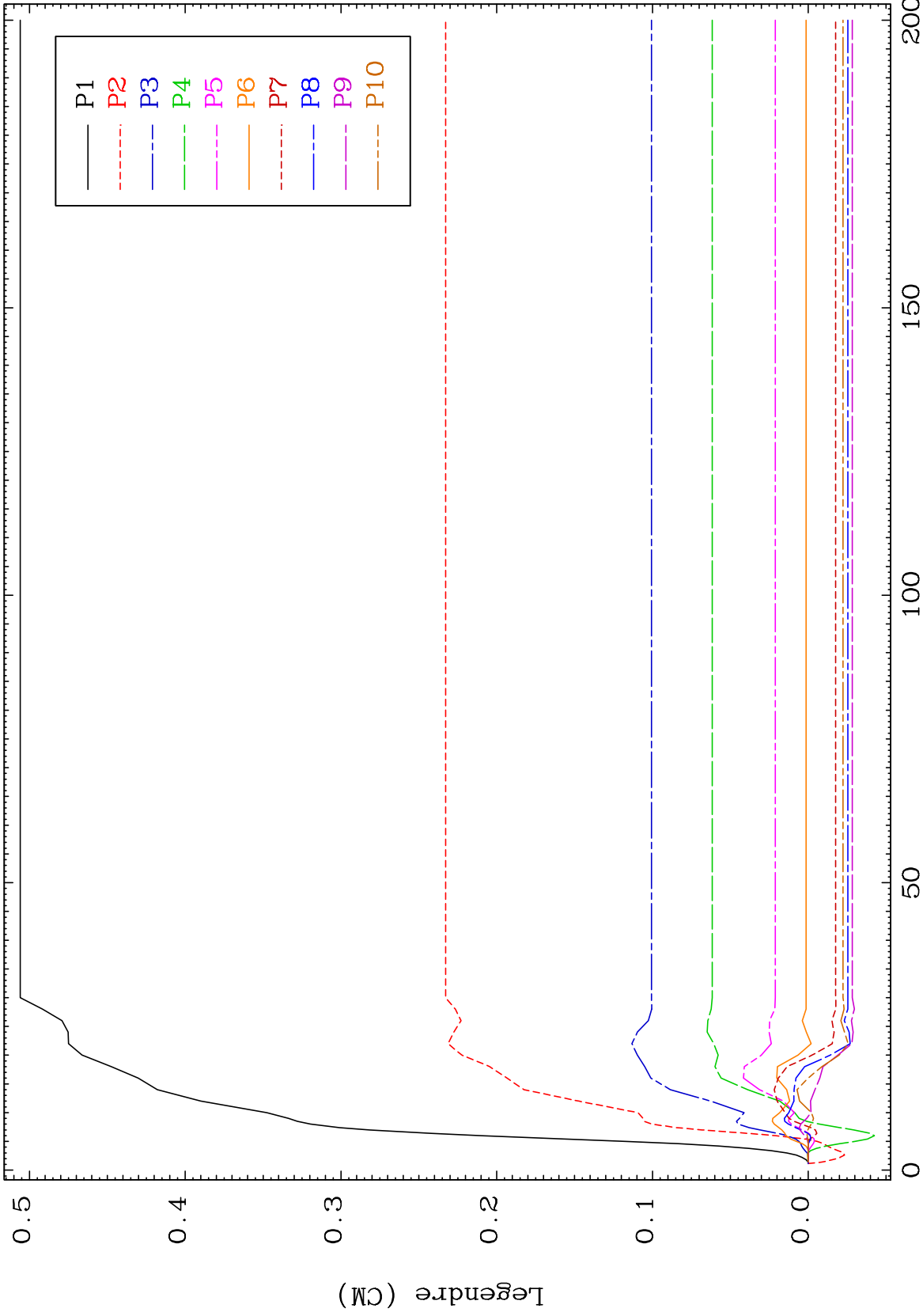
200

85-At-205

MAT 8531

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

85-At-205



46

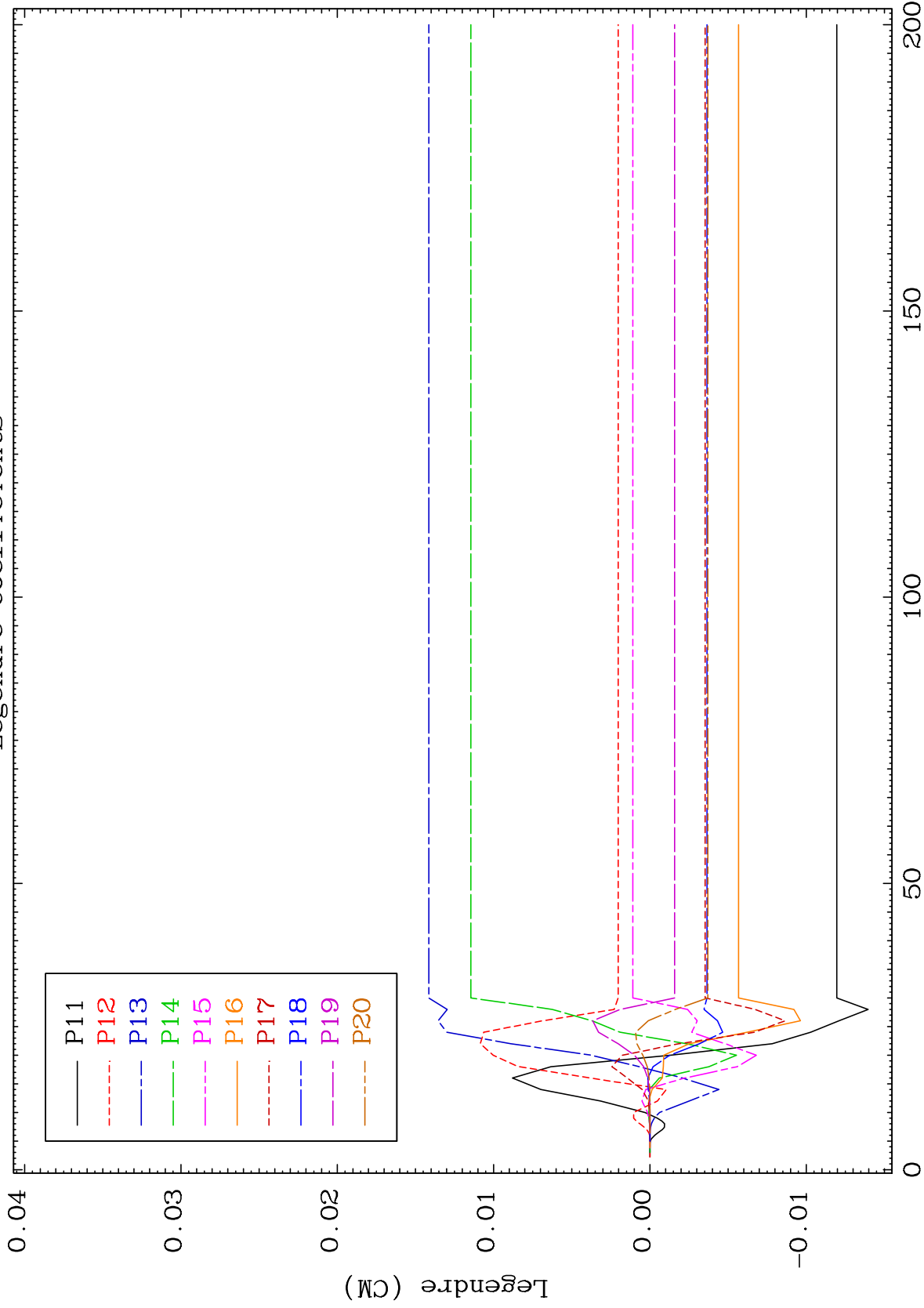
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



47

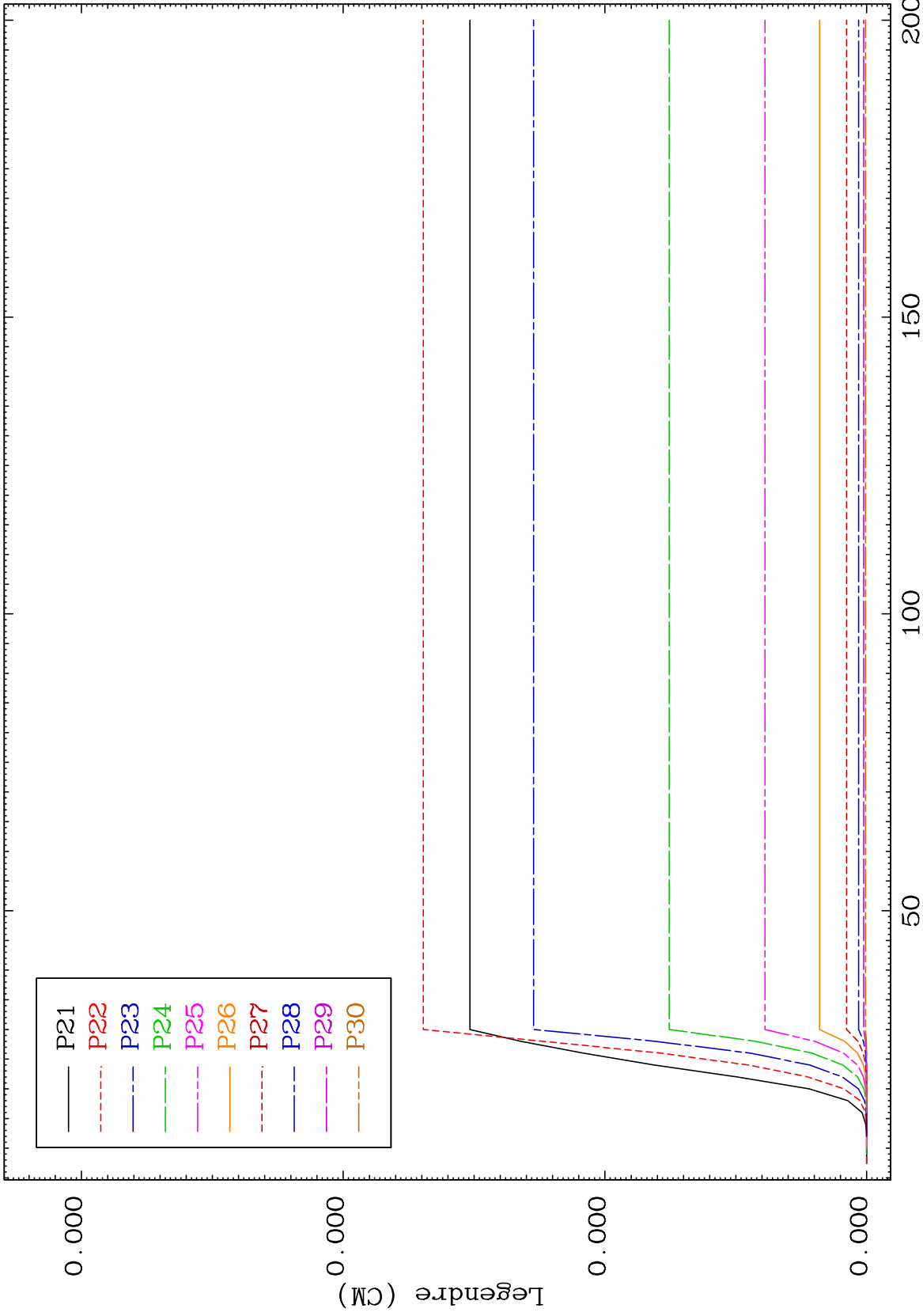
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



48

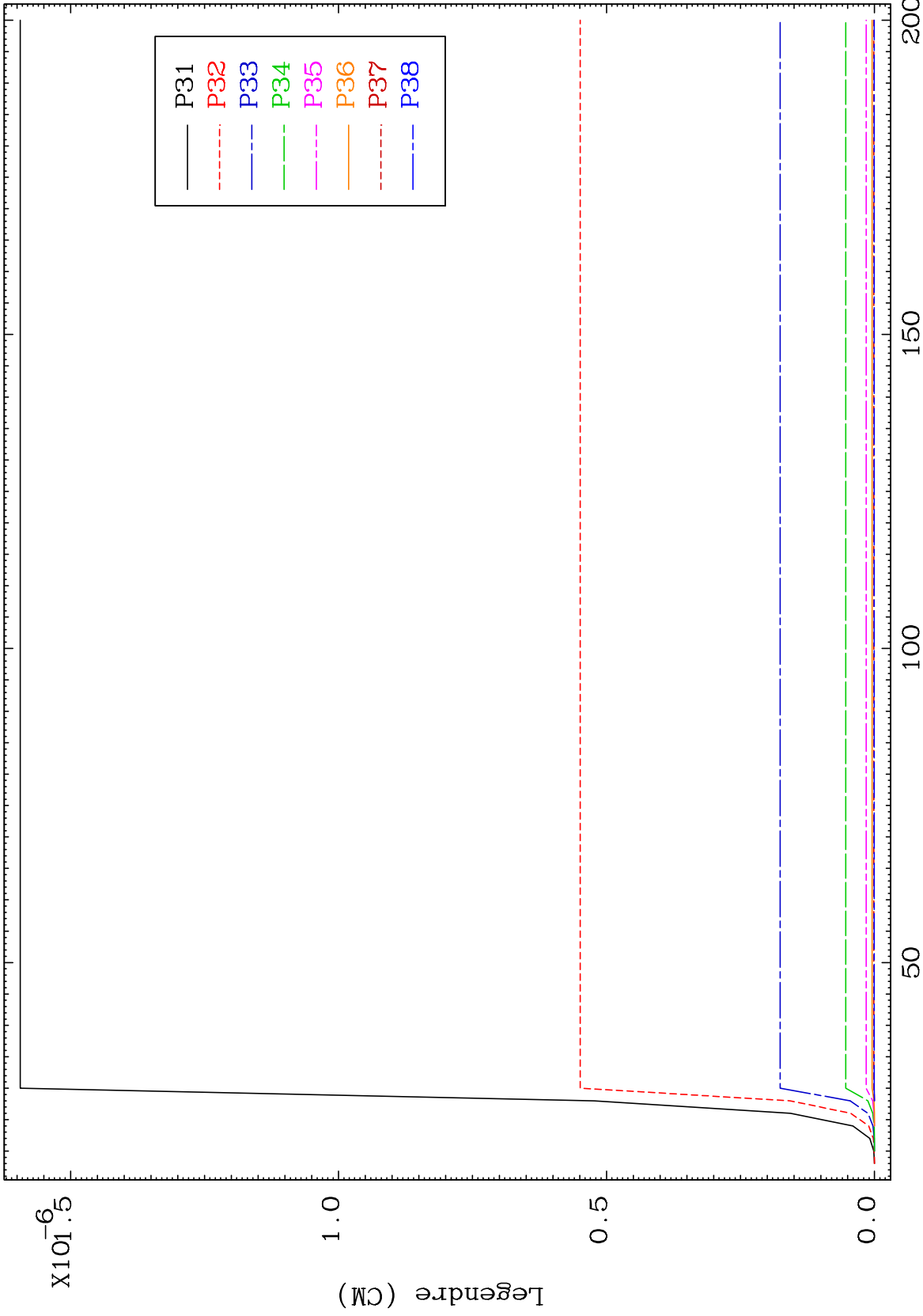
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



49

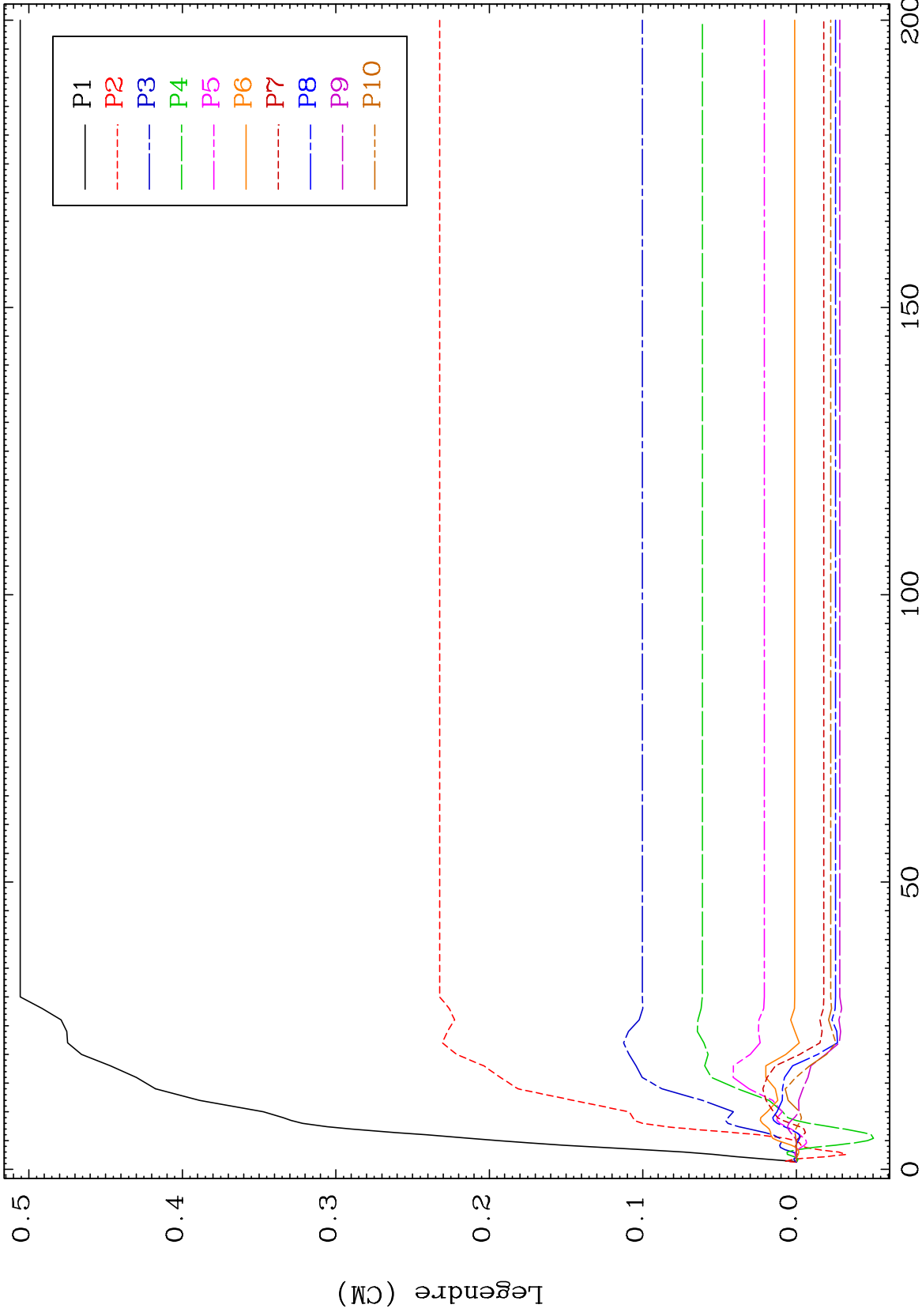
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



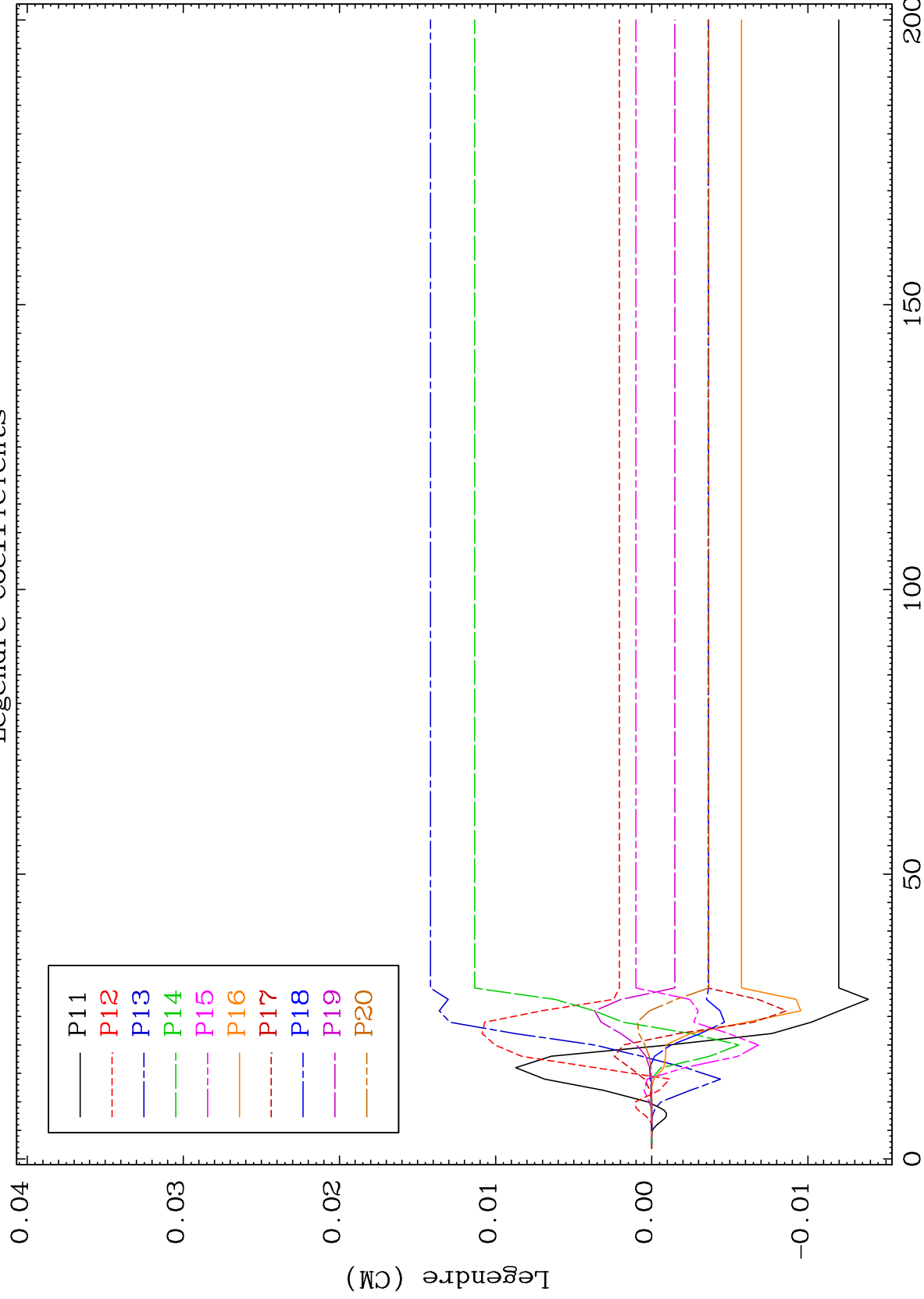
85-At-205

Incident Energy (MeV)

MAT 8531

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

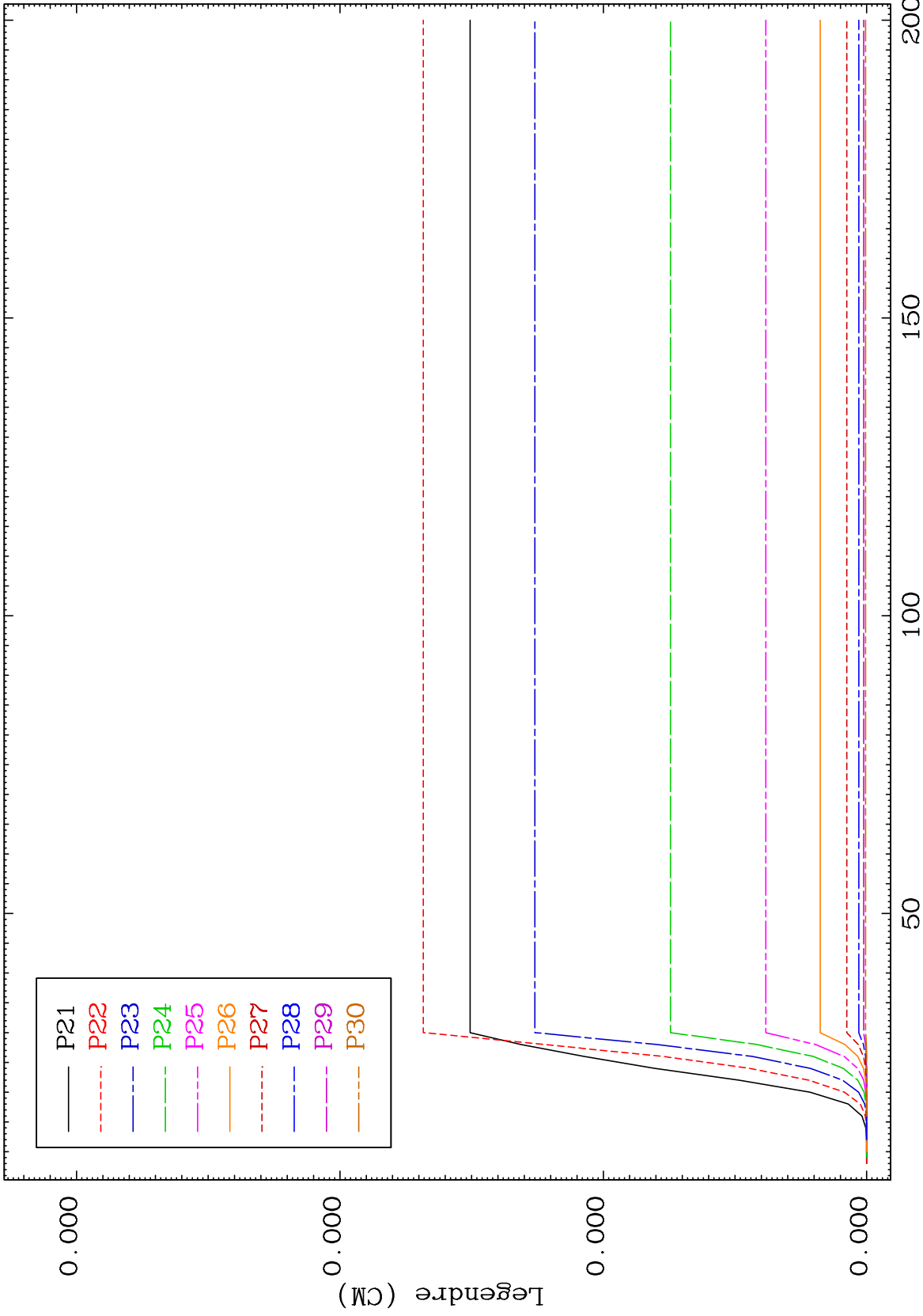
85-At-205



MAT 8531

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

85-At-205



52

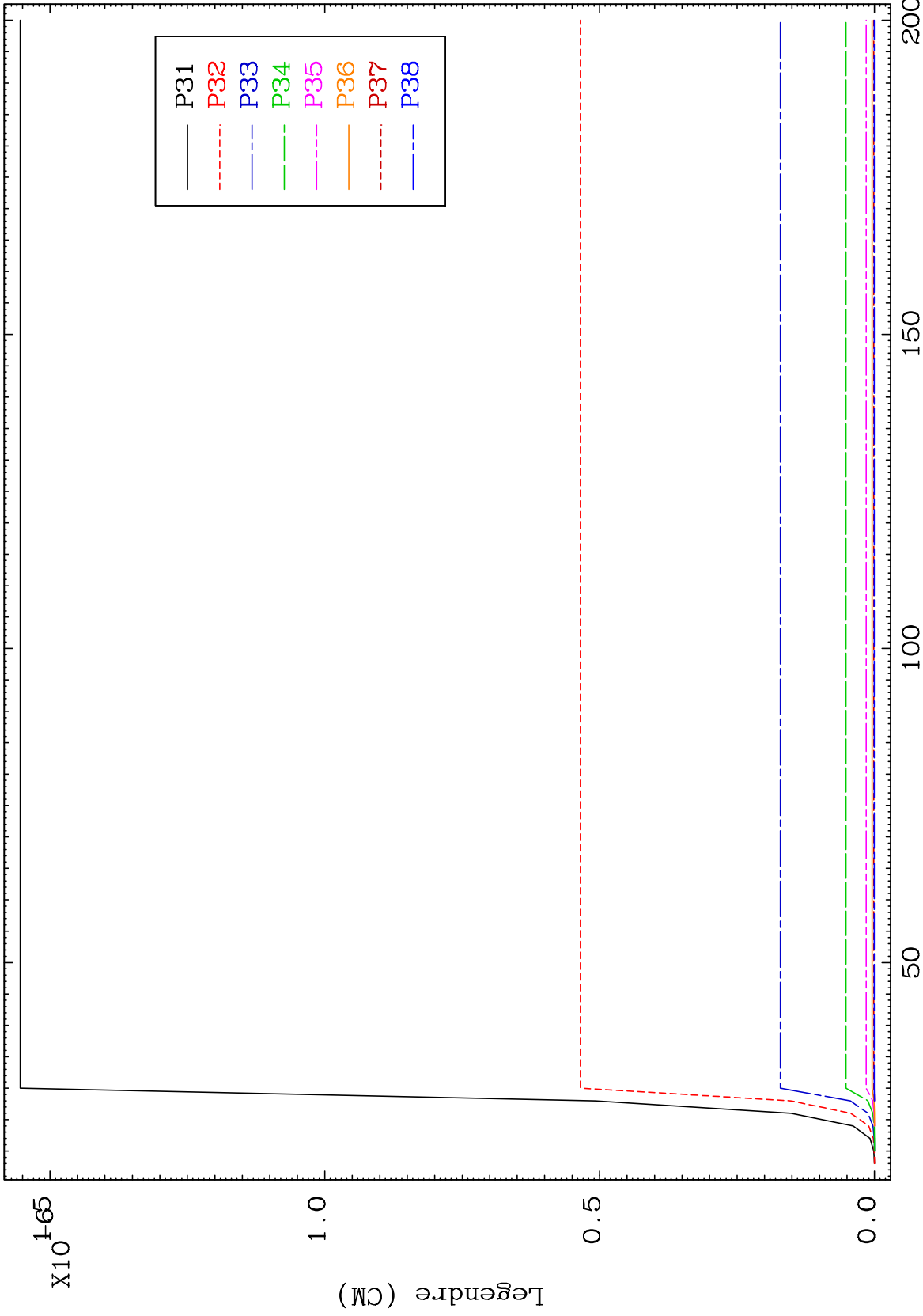
Incident Energy (MeV)

85-At-205

MAT 8531

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

85-At-205



53

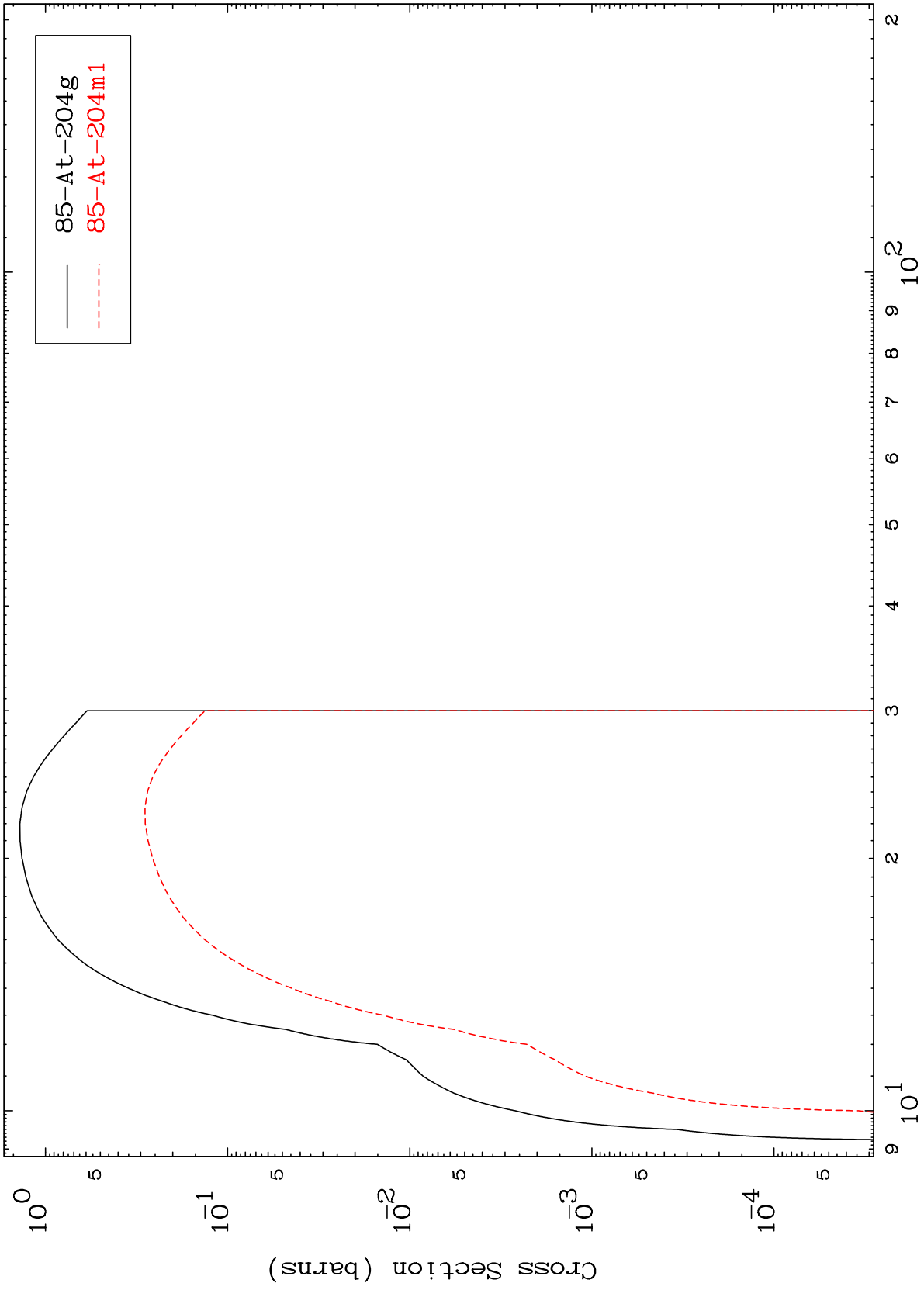
Incident Energy (MeV)

85-At-205

MAT 8531

85-At-205

(n,2n)
Radionuclide Production Cross Section



54

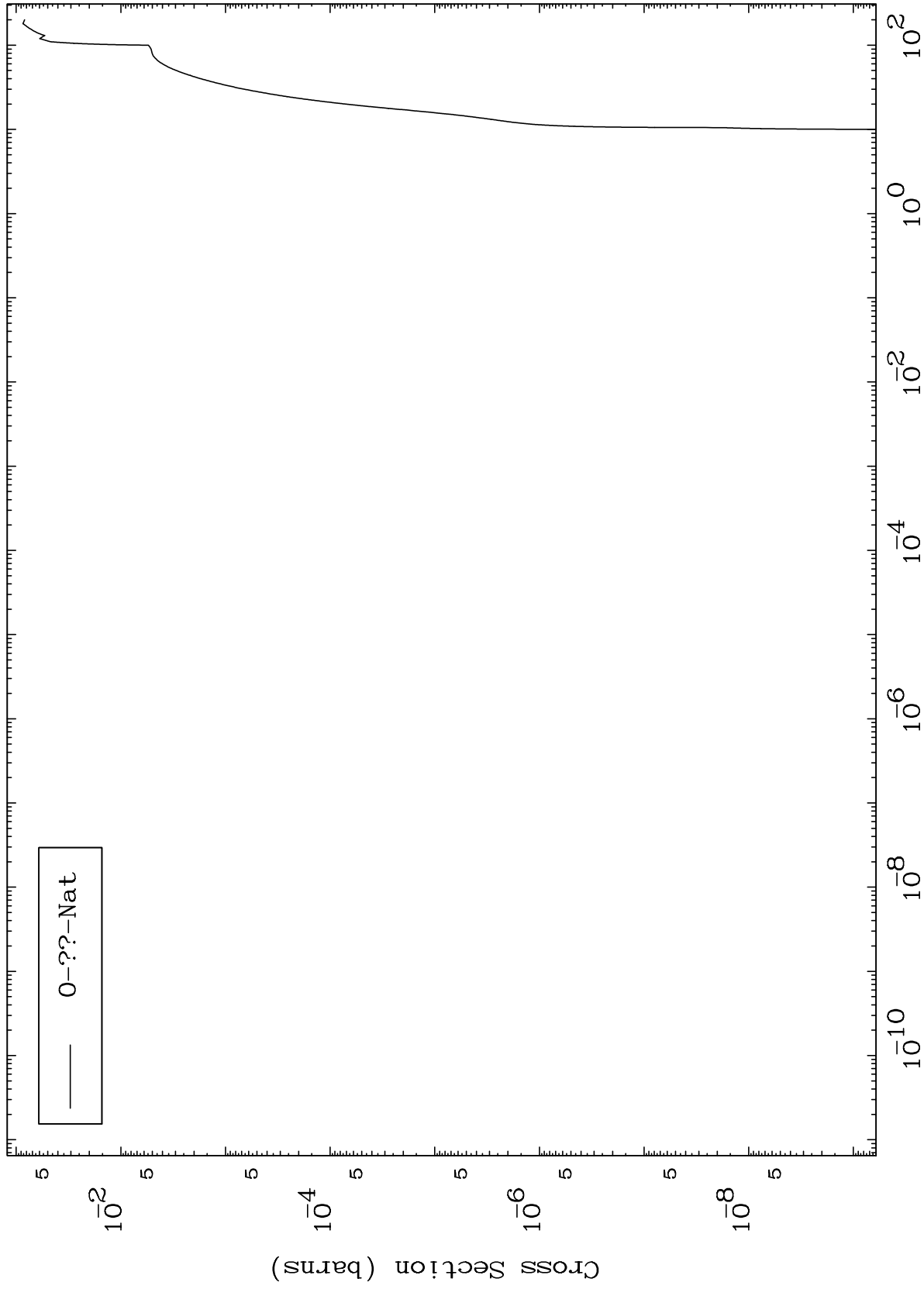
Incident Energy (MeV)

85-At-205

MAT 8531

Fission
Radionuclide Production Cross Section

85-At-205



55

Incident Energy (MeV)

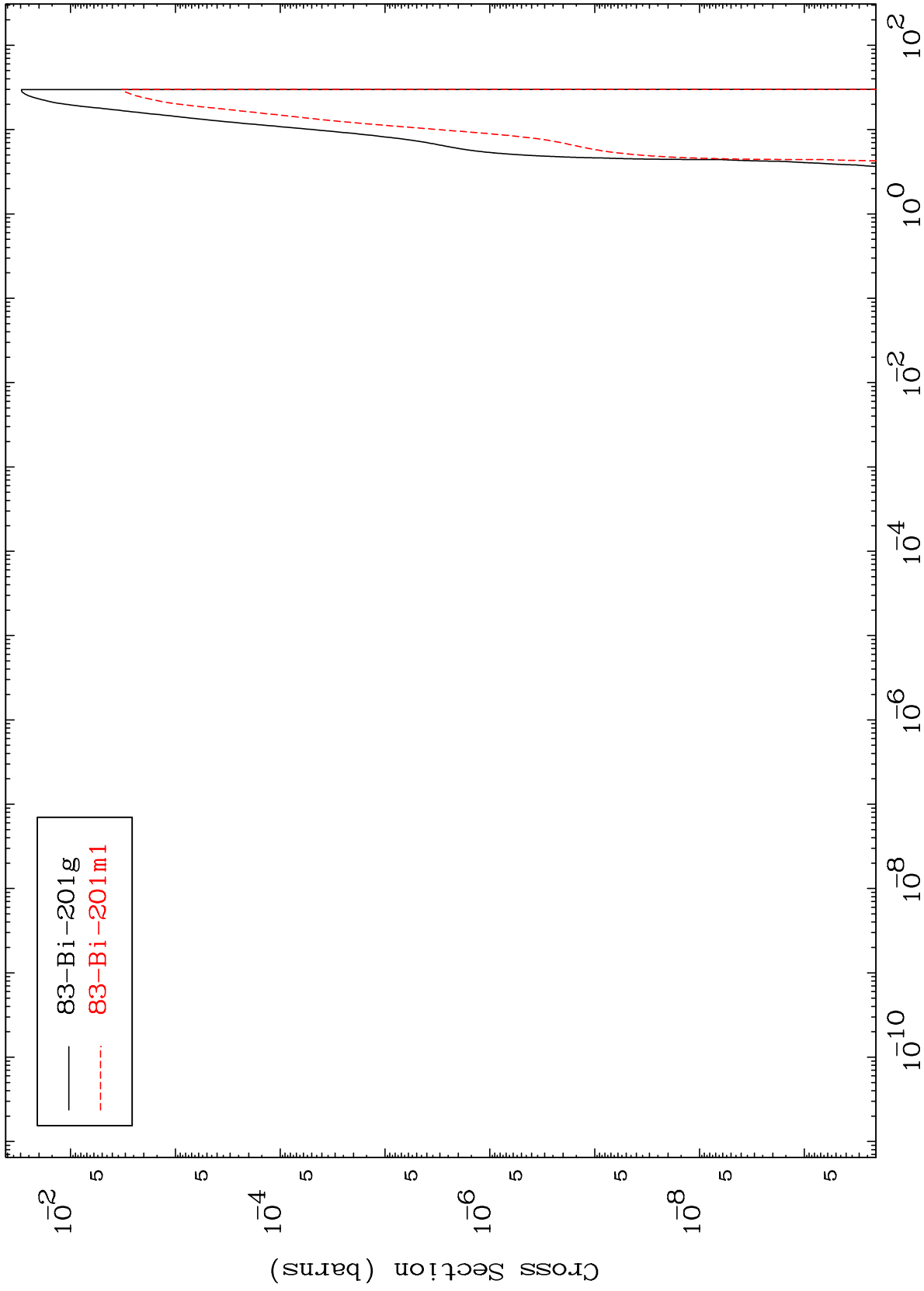
85-At-205

MAT 8531

(n,n') α

85-At-205

Radionuclide Production Cross Section



56

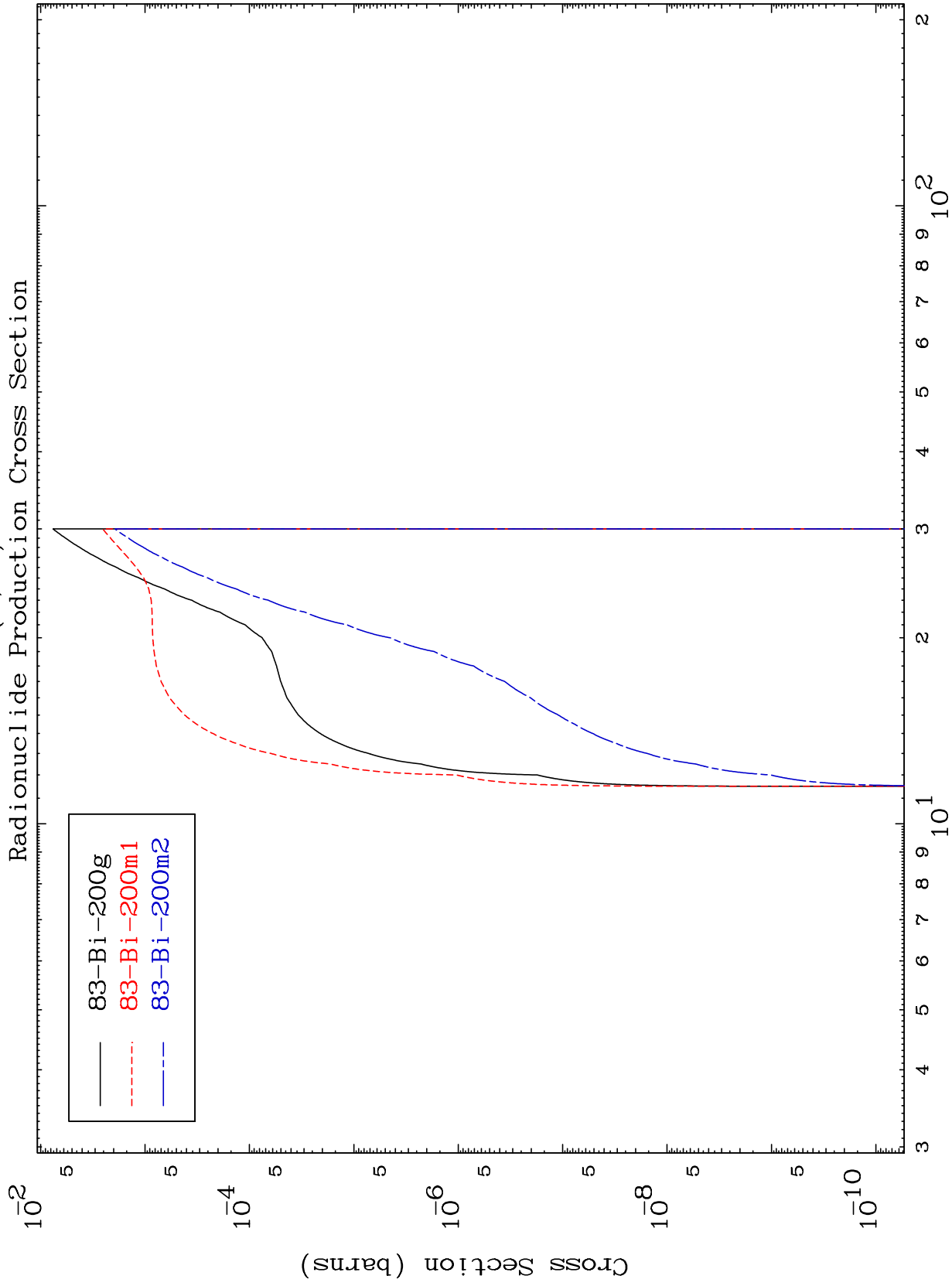
Incident Energy (MeV)

85-At-205

MAT 8531

(n,2n) α

85-At-205



83-Bi-200g
83-Bi-200m1
83-Bi-200m2

57

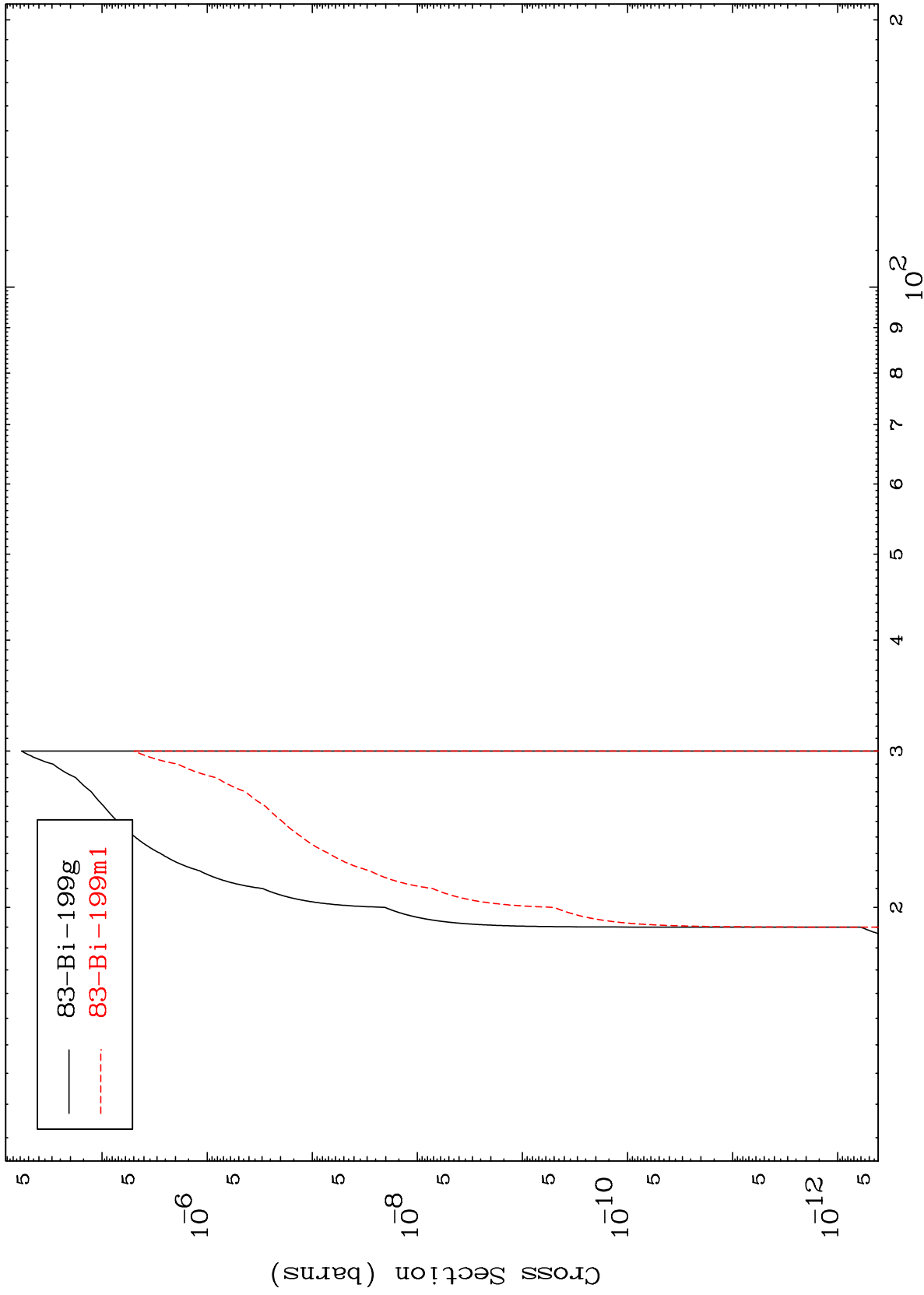
85-At-205

MAT 8531

(n,3n) α

85-At-205

Radionuclide Production Cross Section



58

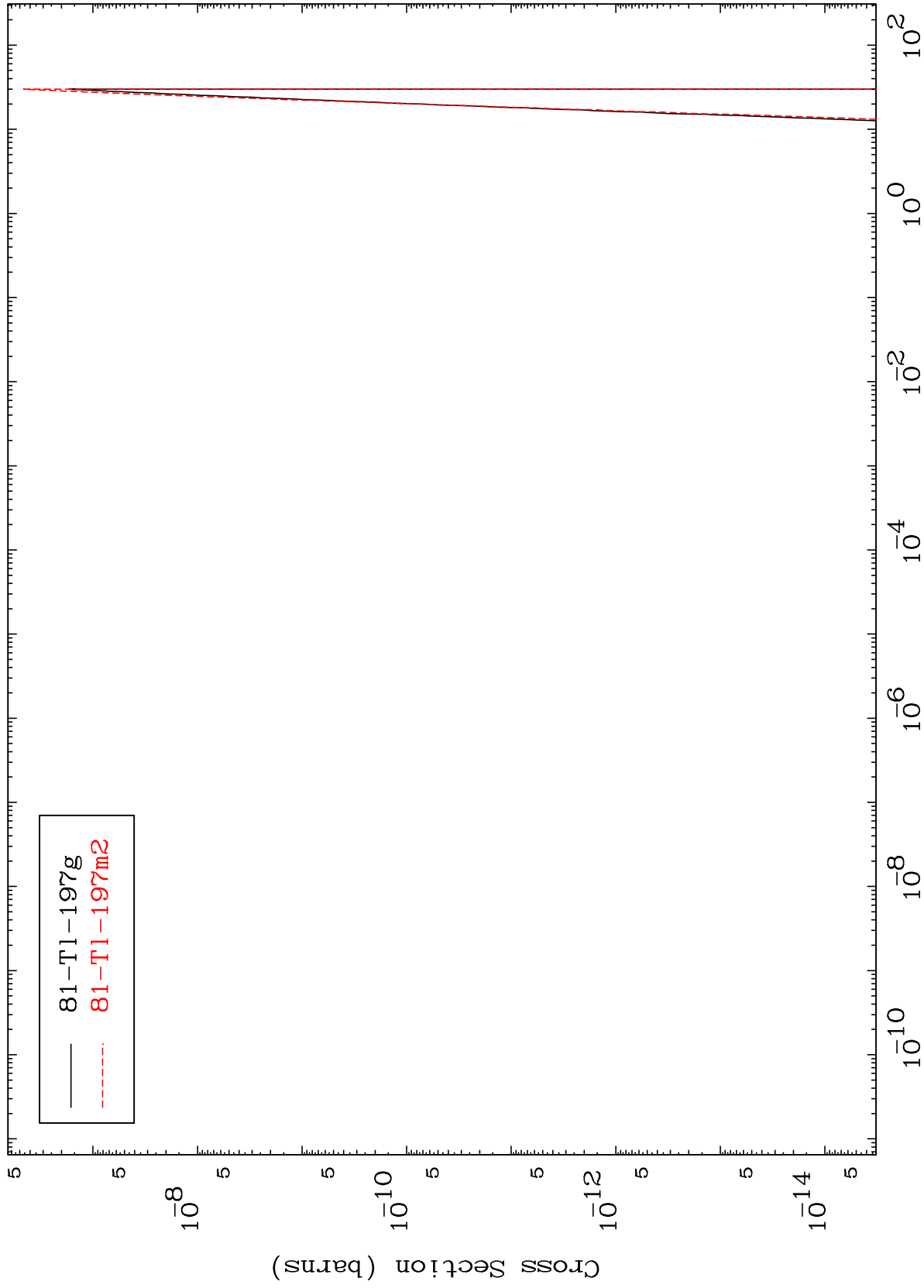
85-At-205

MAT 8531

(n,n') 2 α

85-At-205

Radionuclide Production Cross Section



59

Incident Energy (MeV)

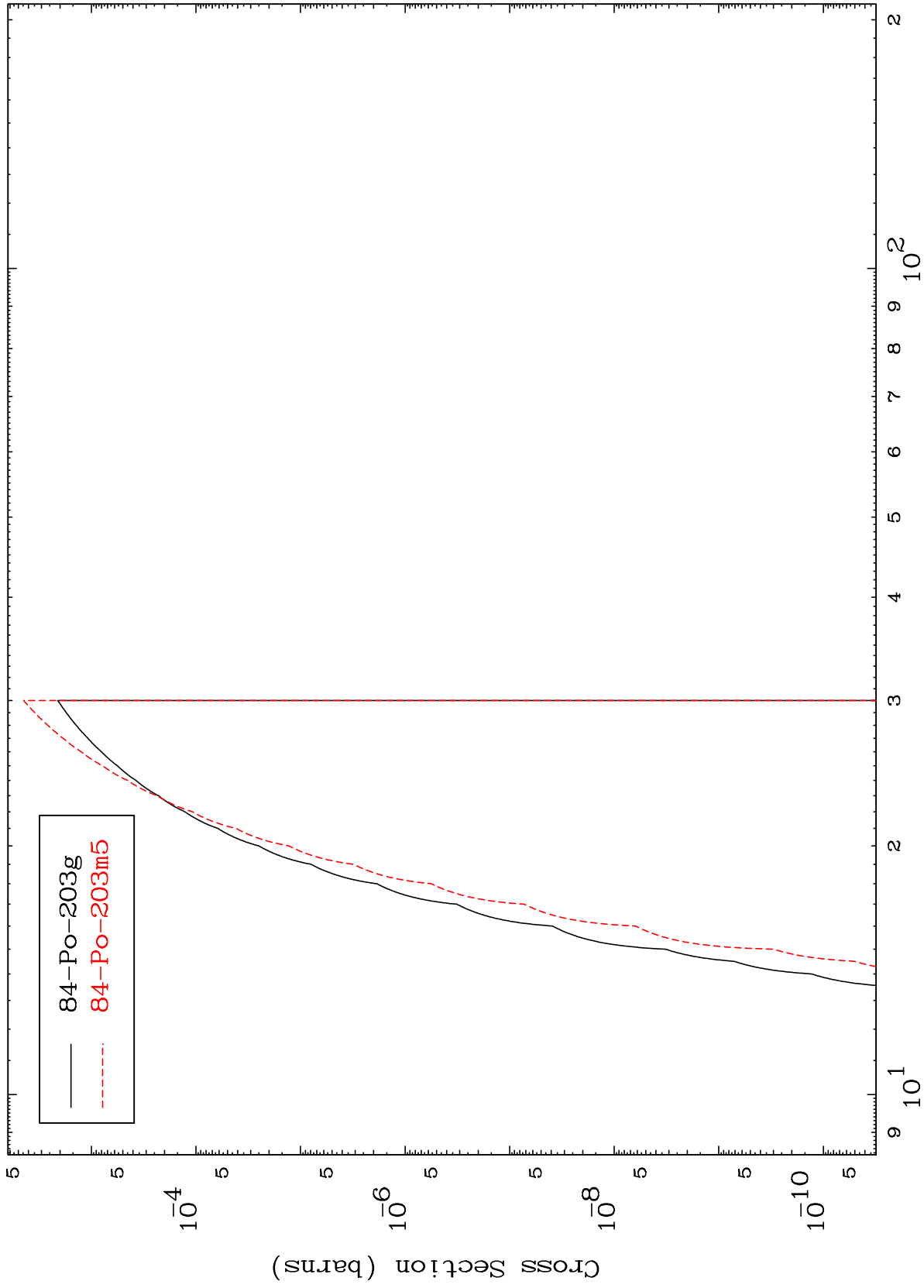
85-At-205

MAT 8531

(n,n') d

85-At-205

Radionuclide Production Cross Section



60

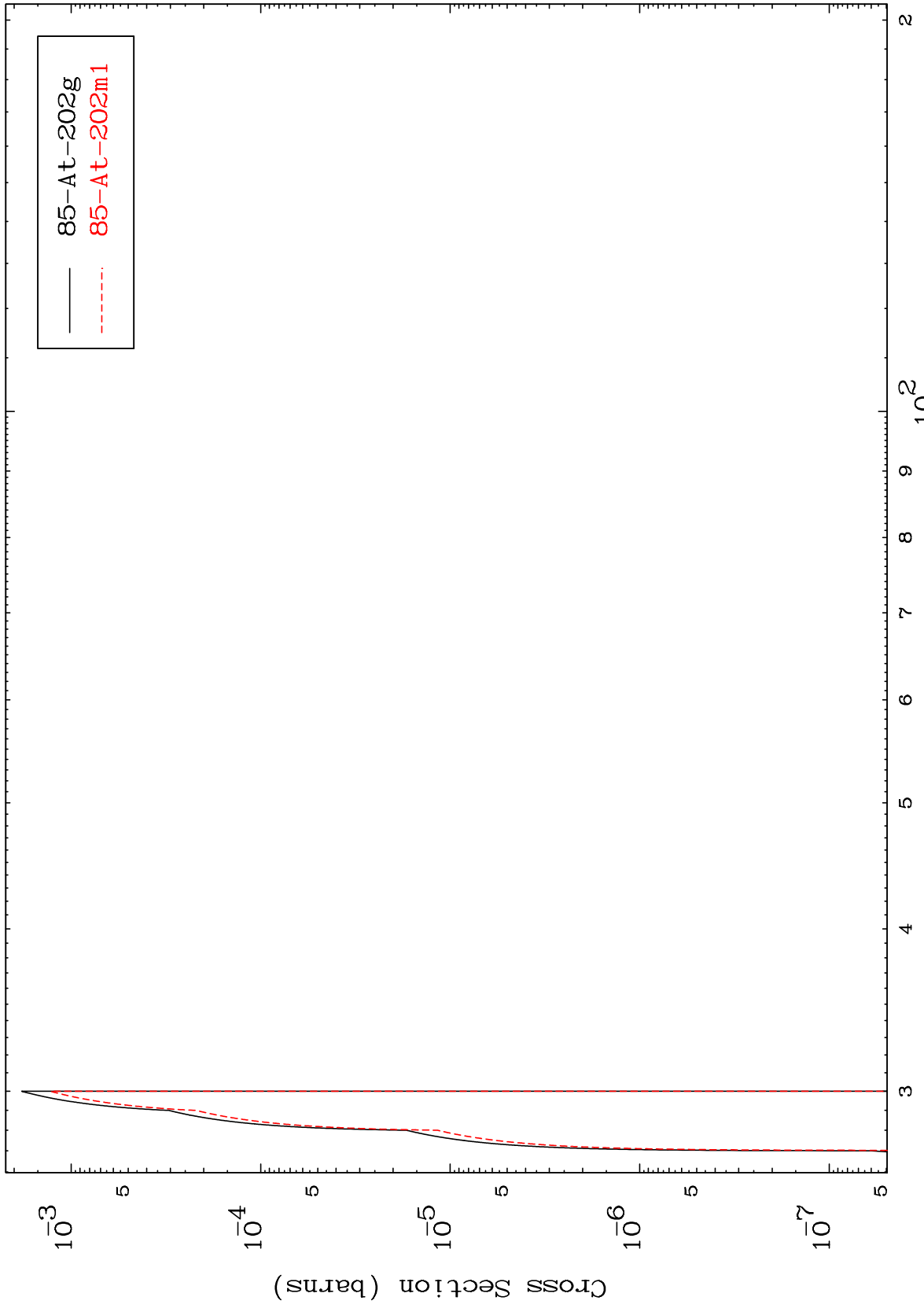
Incident Energy (MeV)

85-At-205

MAT 8531

85-At-205

(n,4n)
Radionuclide Production Cross Section



61

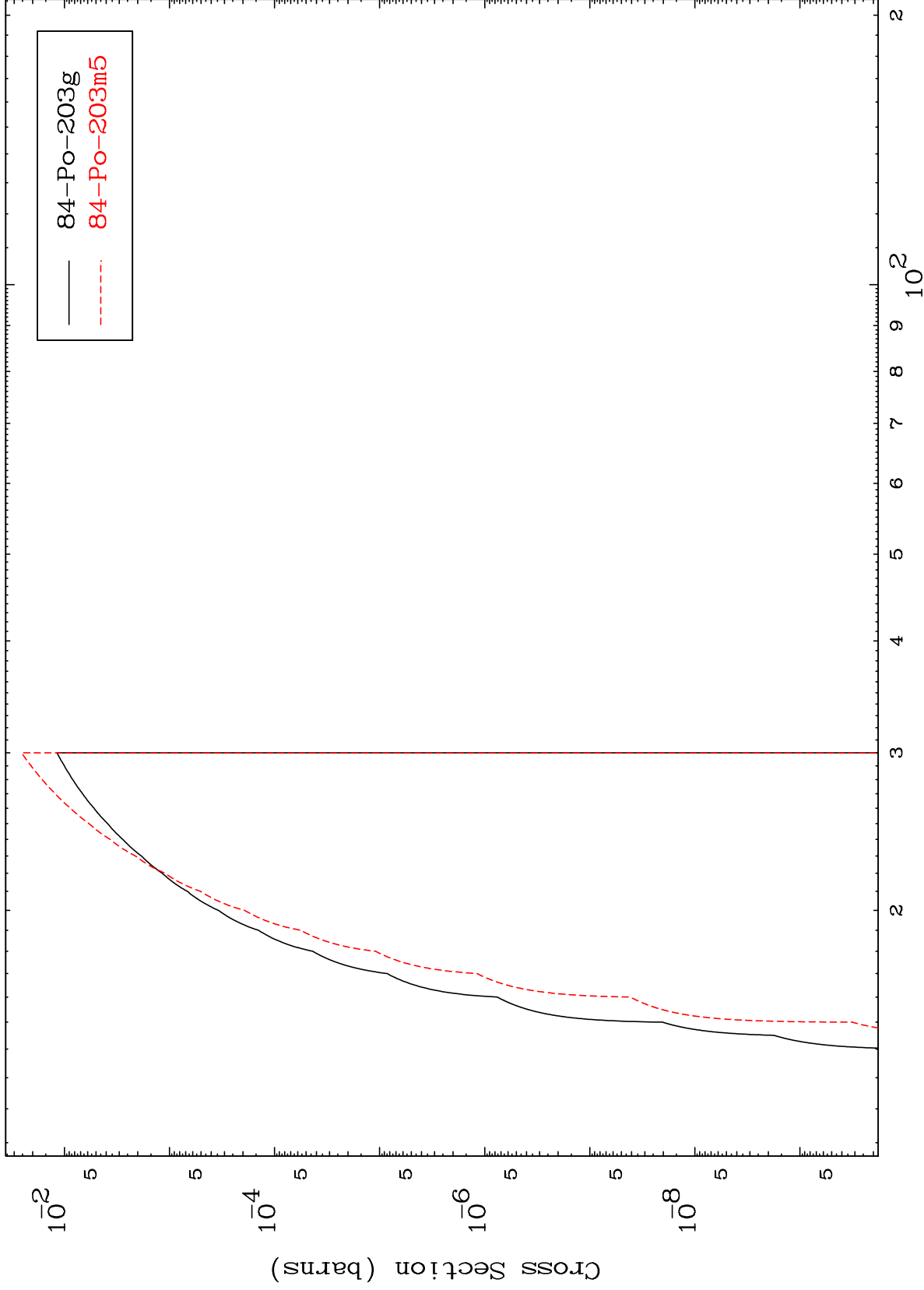
85-At-205

MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



62

Incident Energy (MeV)

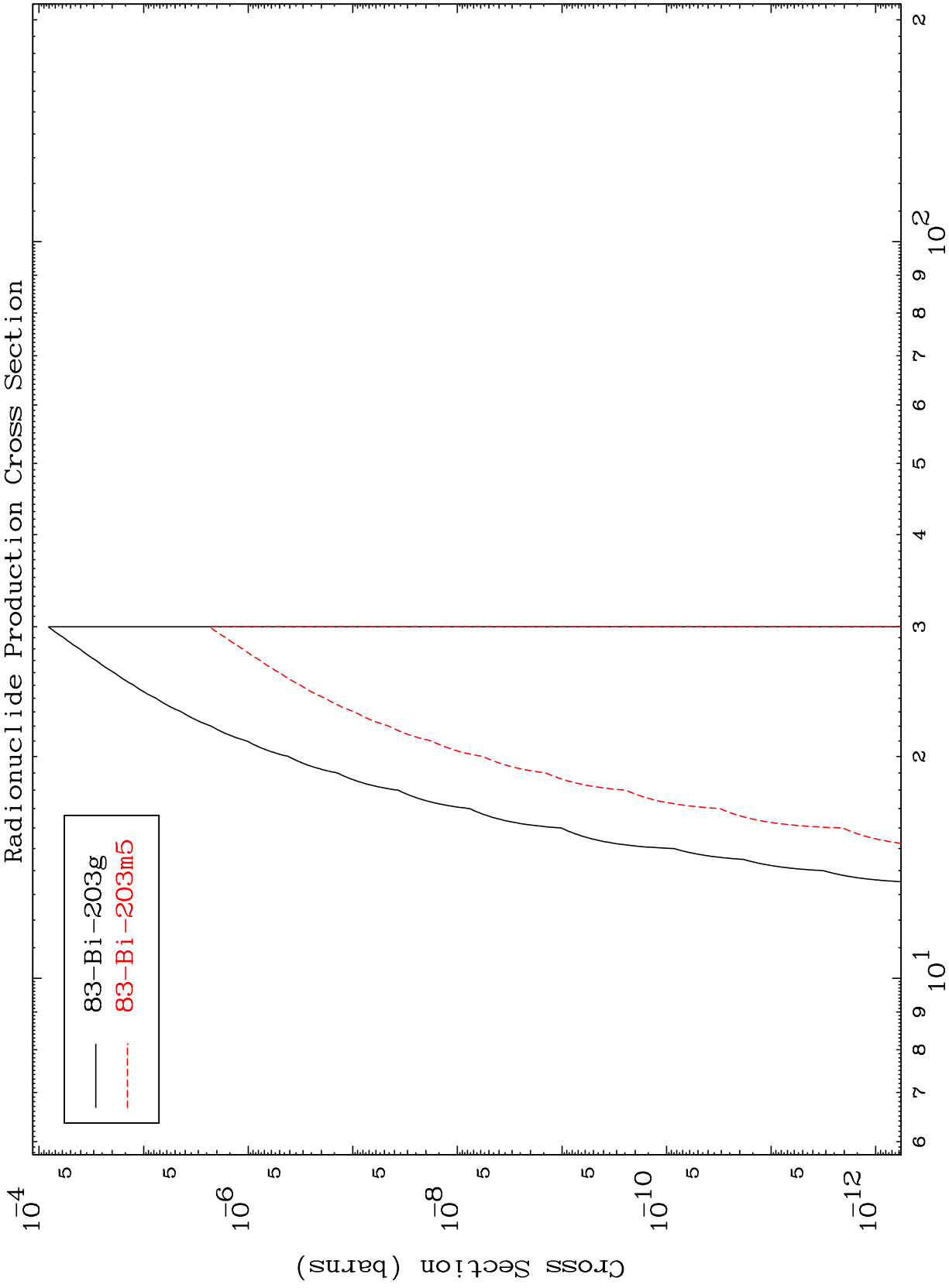
85-At-205

MAT 8531

(n,2n) p

85-At-205

Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m5

63

Incident Energy (MeV)

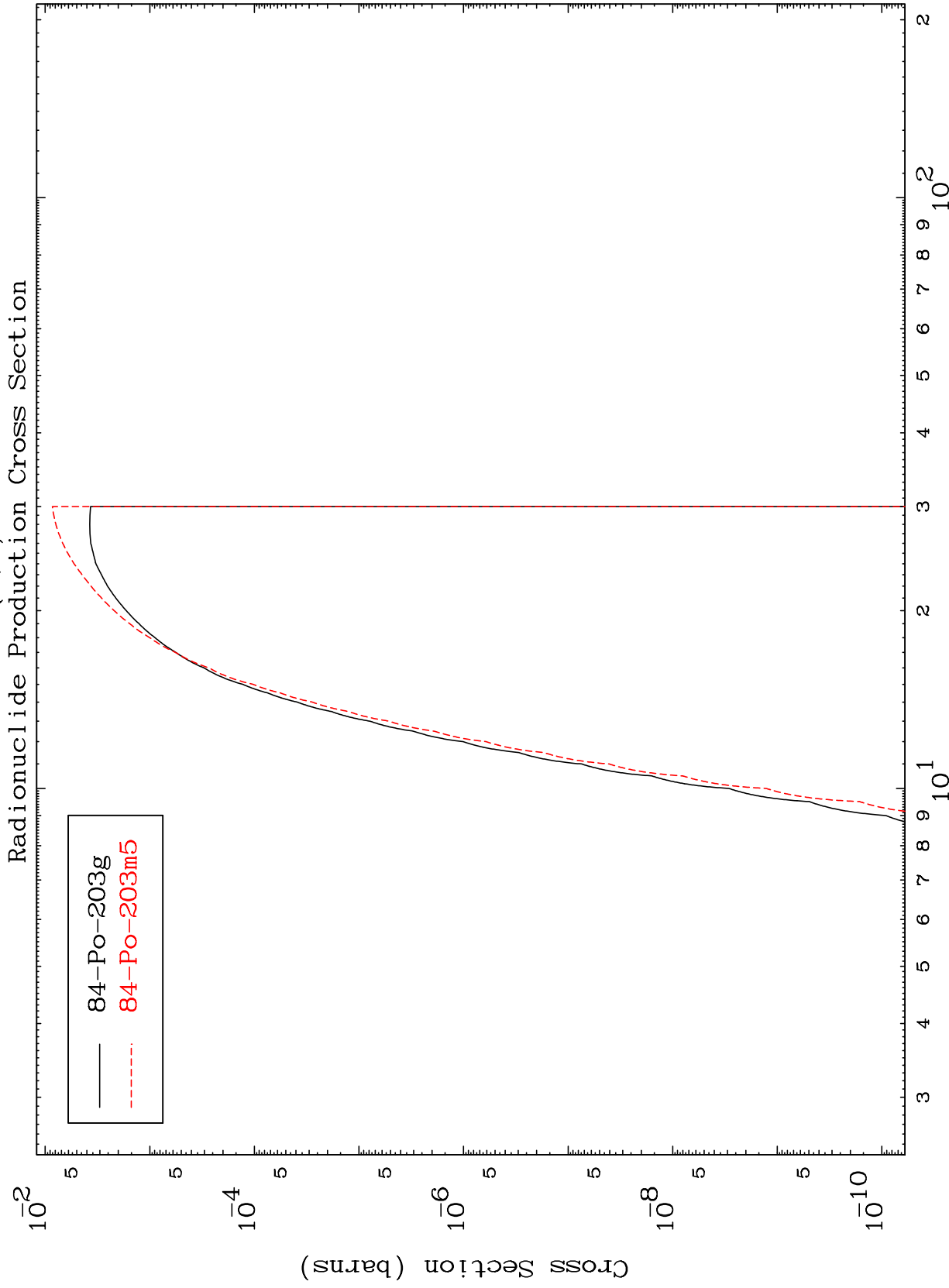
85-At-205

MAT 8531

85-At-205

Radionuclide Production Cross Section

(n, t)



64

Incident Energy (MeV)

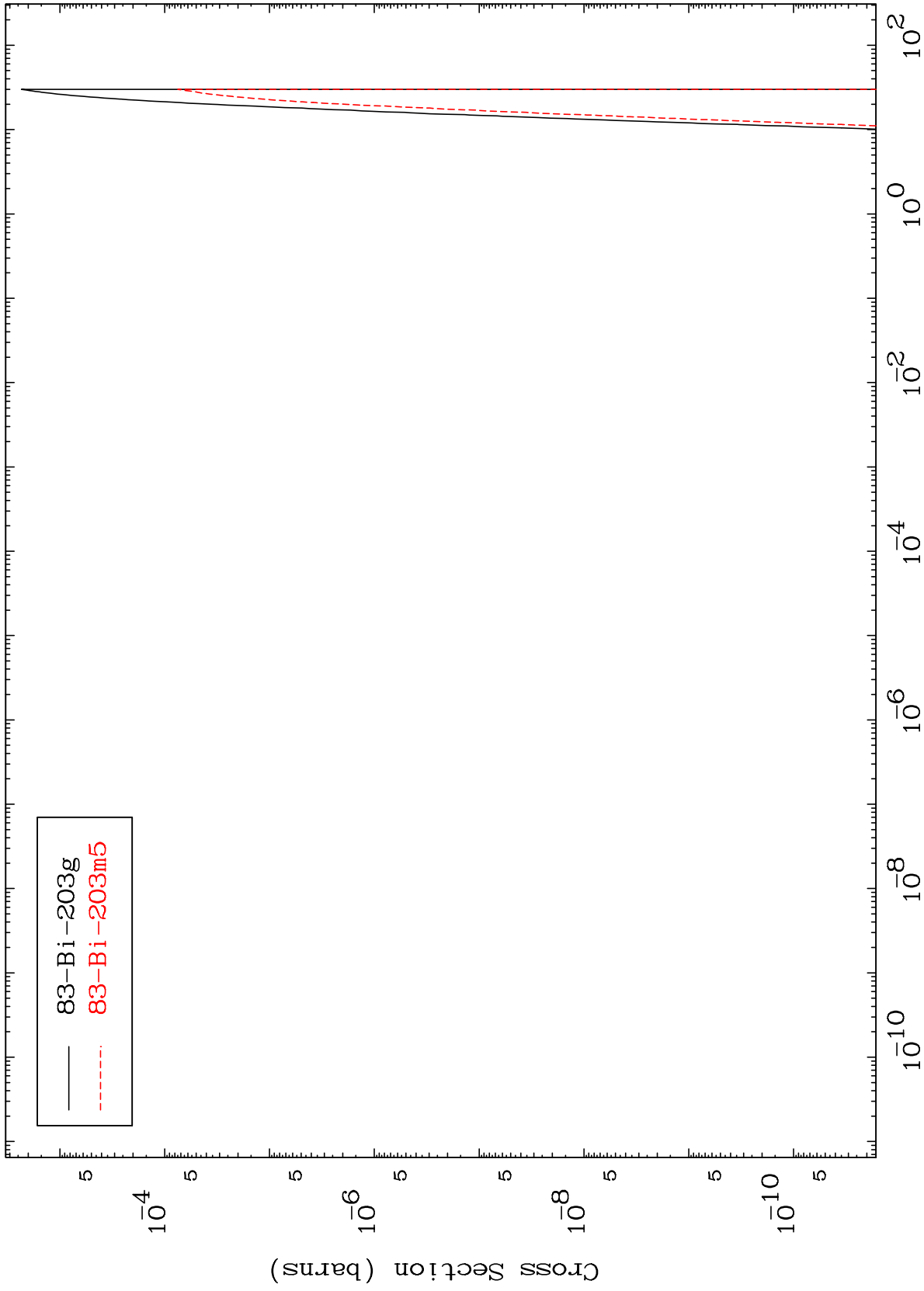
85-At-205

MAT 8531

(n, He-3)

85-At-205

Radionuclide Production Cross Section



65

Incident Energy (MeV)

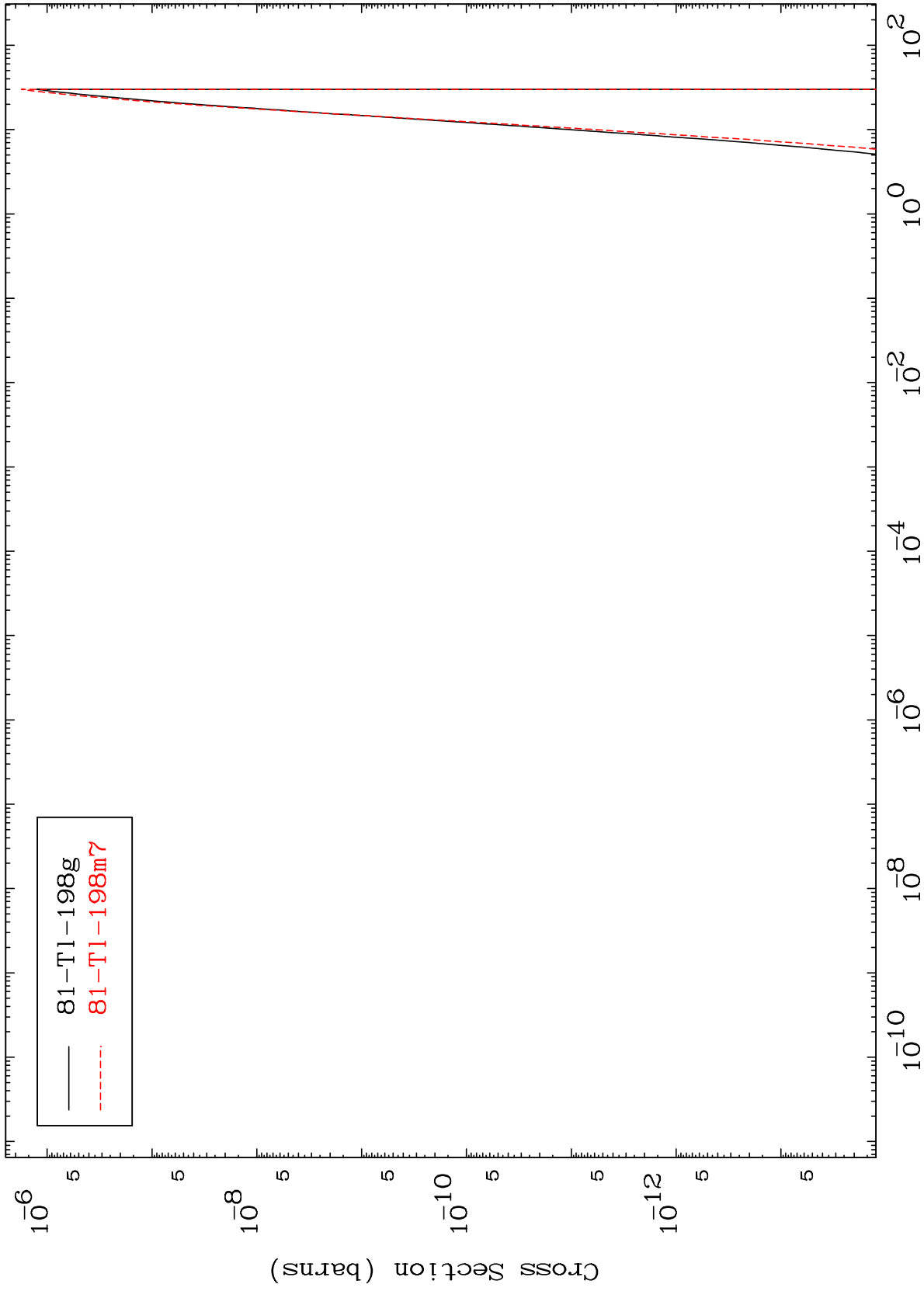
85-At-205

MAT 8531

(n,2α)

85-At-205

Radionuclide Production Cross Section



66

Incident Energy (MeV)

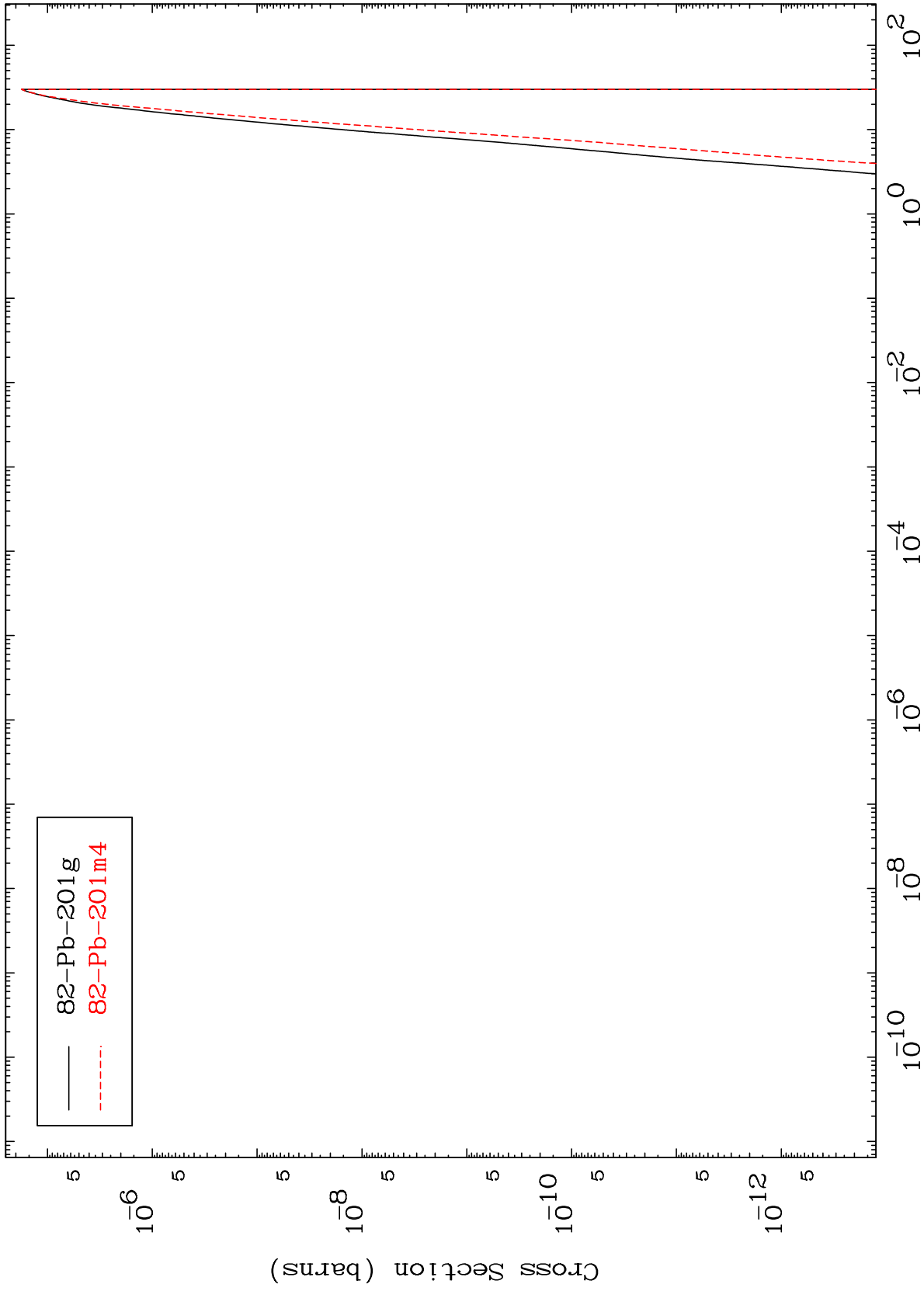
85-At-205

MAT 8531

(n,p) α

85-At-205

Radionuclide Production Cross Section



67

Incident Energy (MeV)

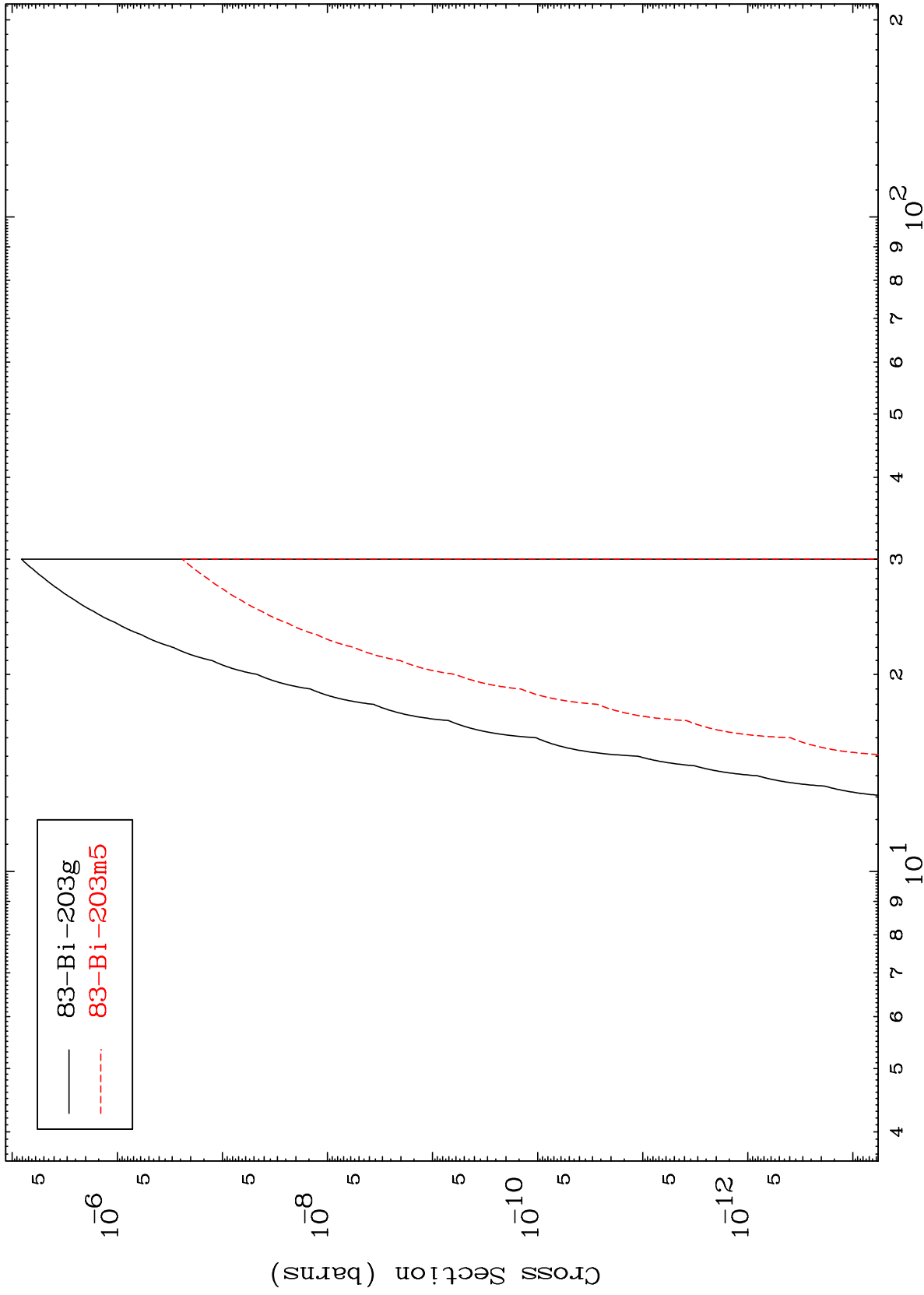
85-At-205

MAT 8531

(n,p) d

85-At-205

Radionuclide Production Cross Section



68

Incident Energy (MeV)

85-At-205