

Program EVALPLOT  
(Version 2018-1)

by

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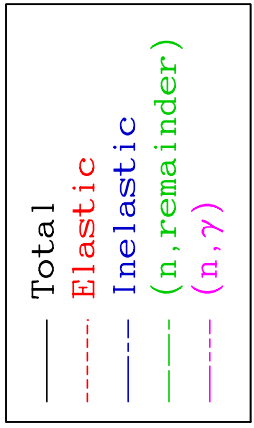
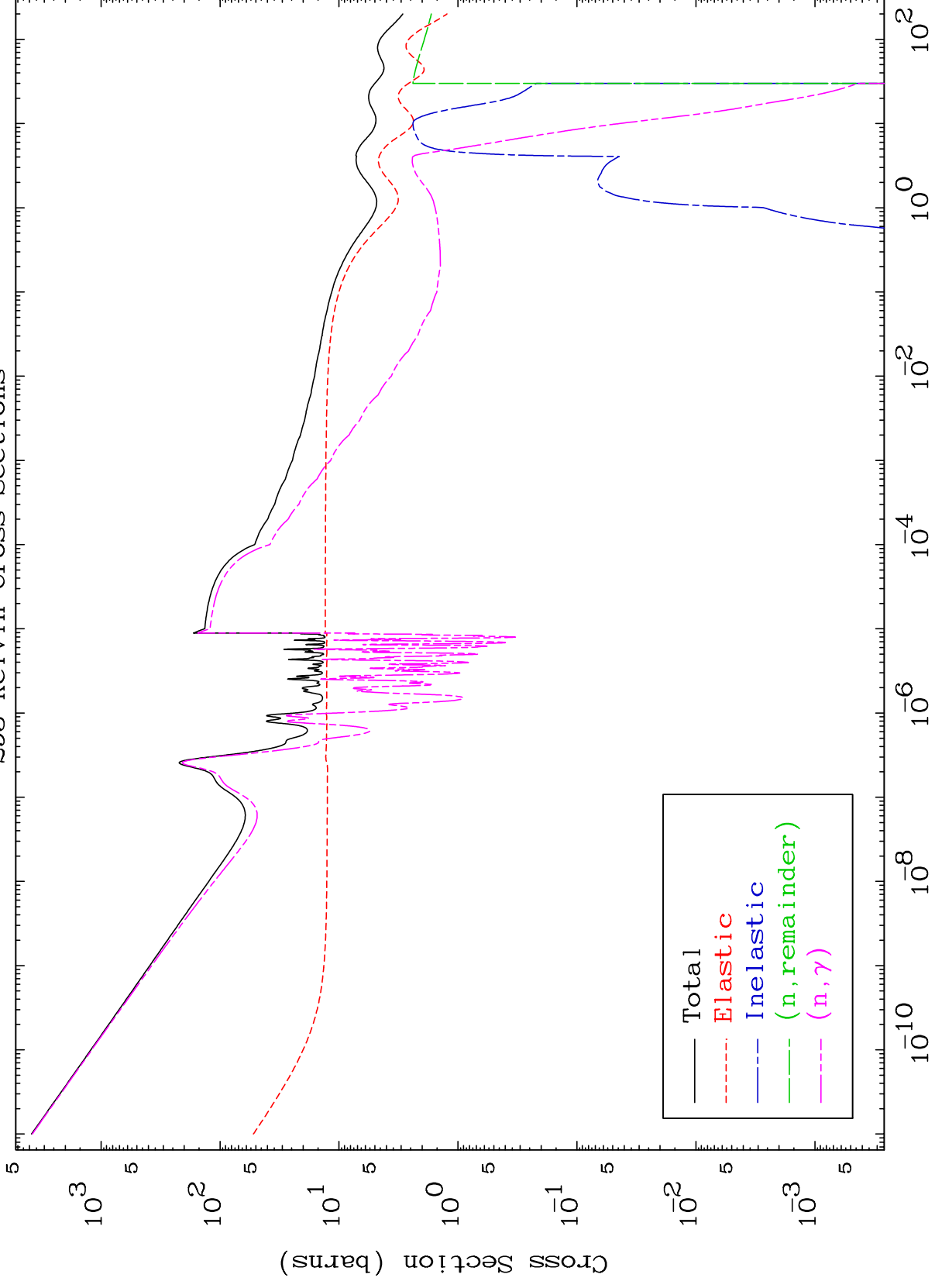
Press Mouse Button to Start

MAT 8289

Major

293 Kelvin Cross Sections

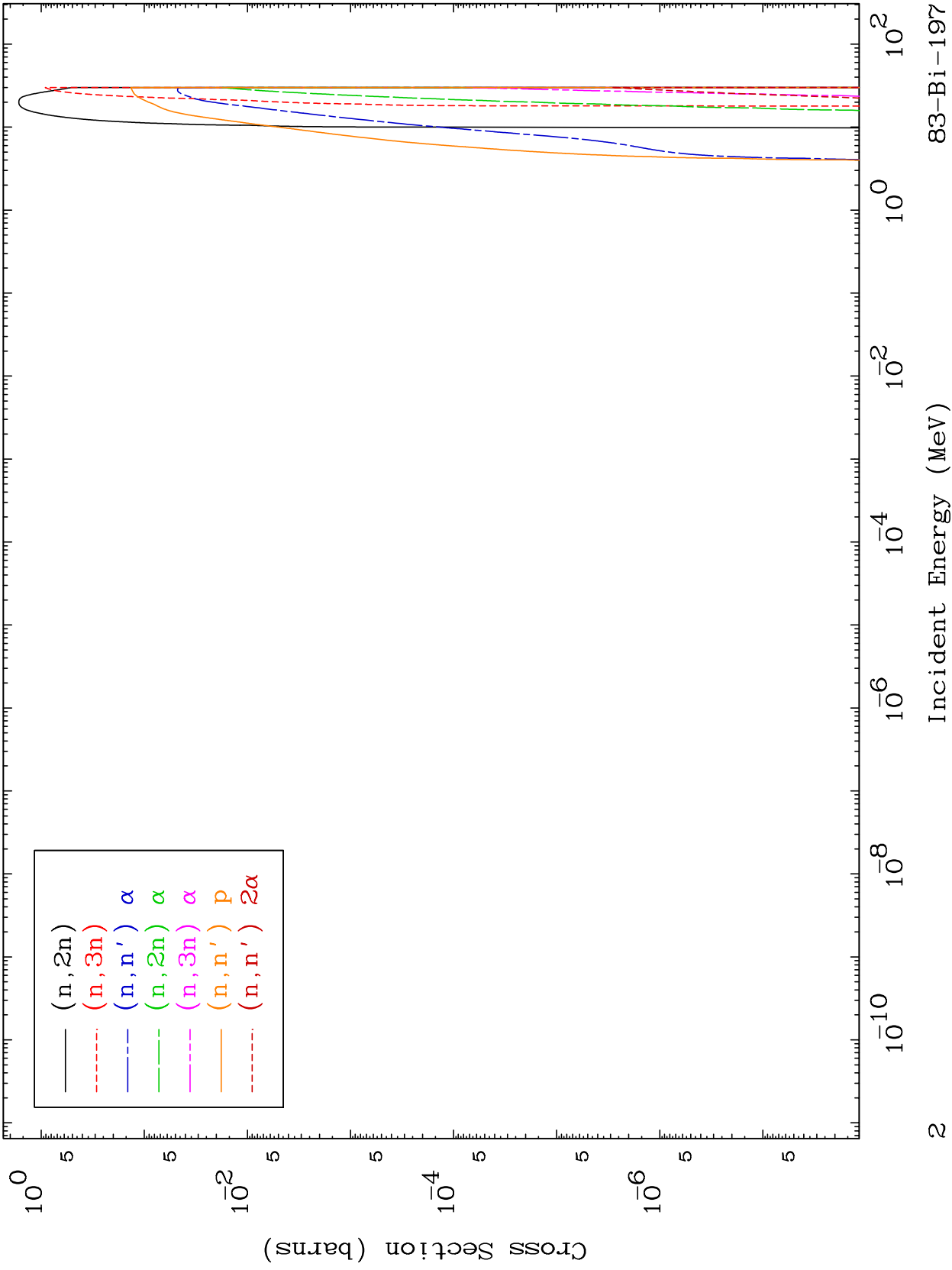
83-Bi-197

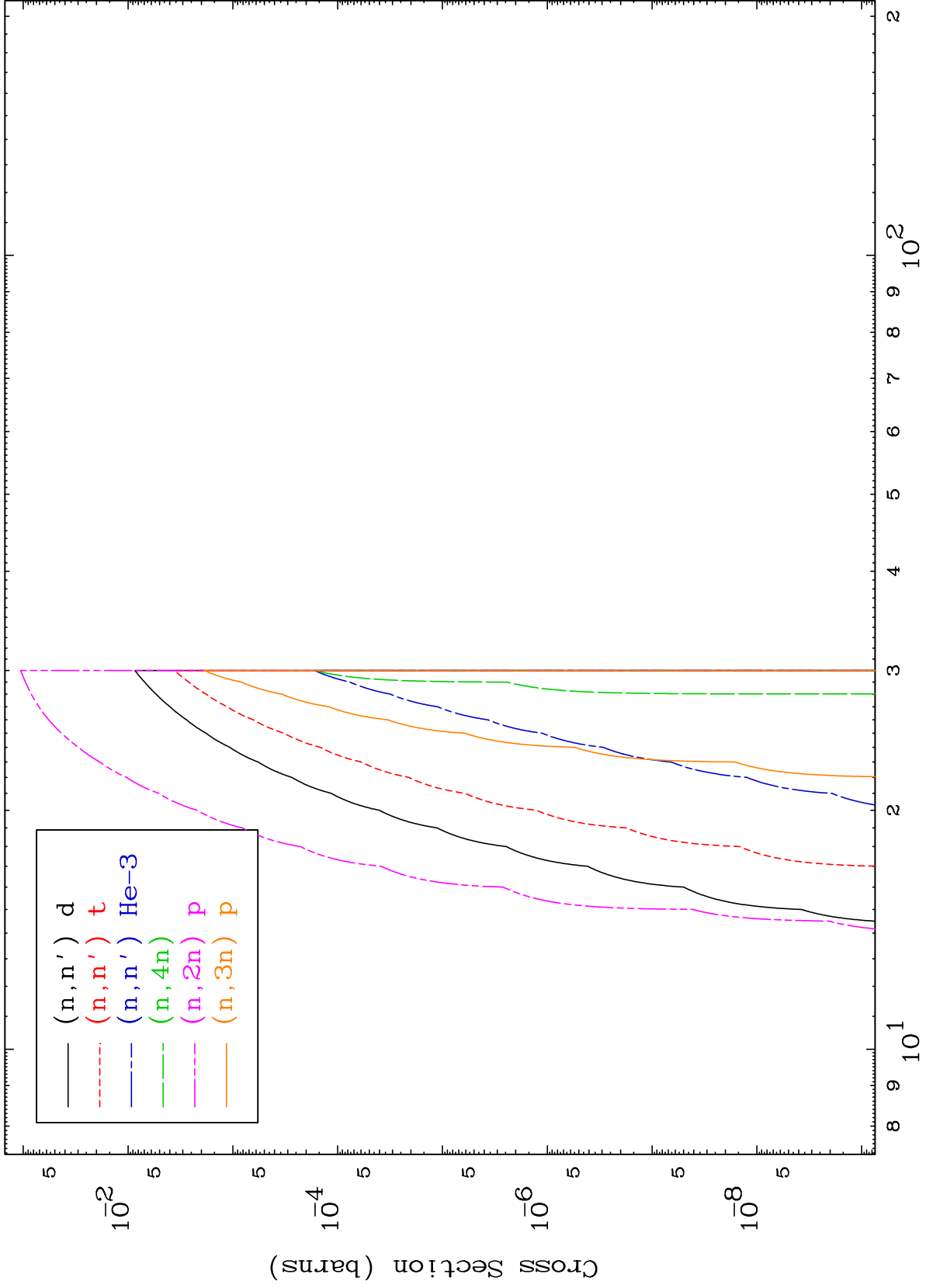


MAT 8289

Neutron Production  
293 Kelvin Cross Sections

83-Bi-197

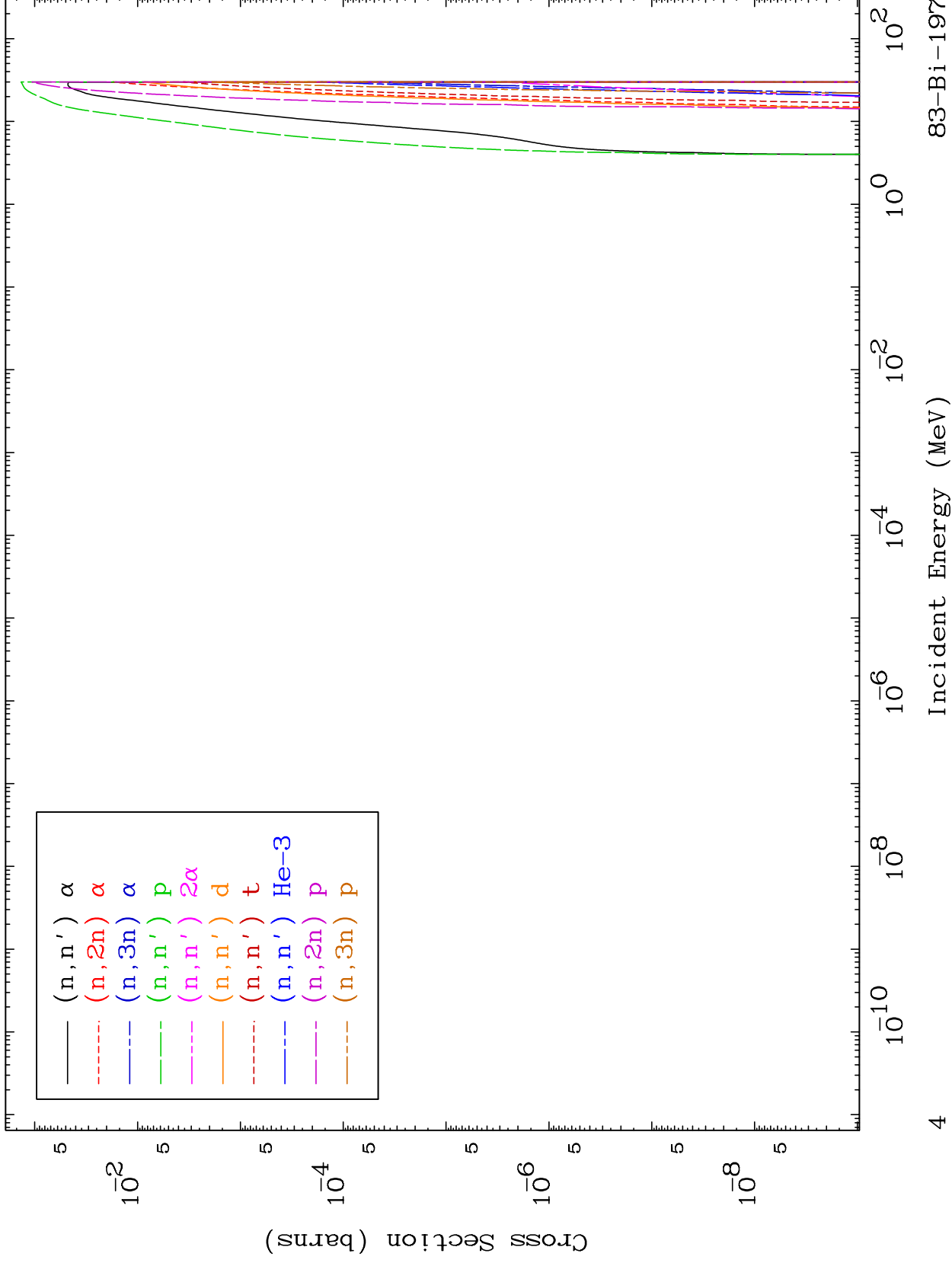




MAT 8289

Charged Particle  
293 Kelvin Cross Sections

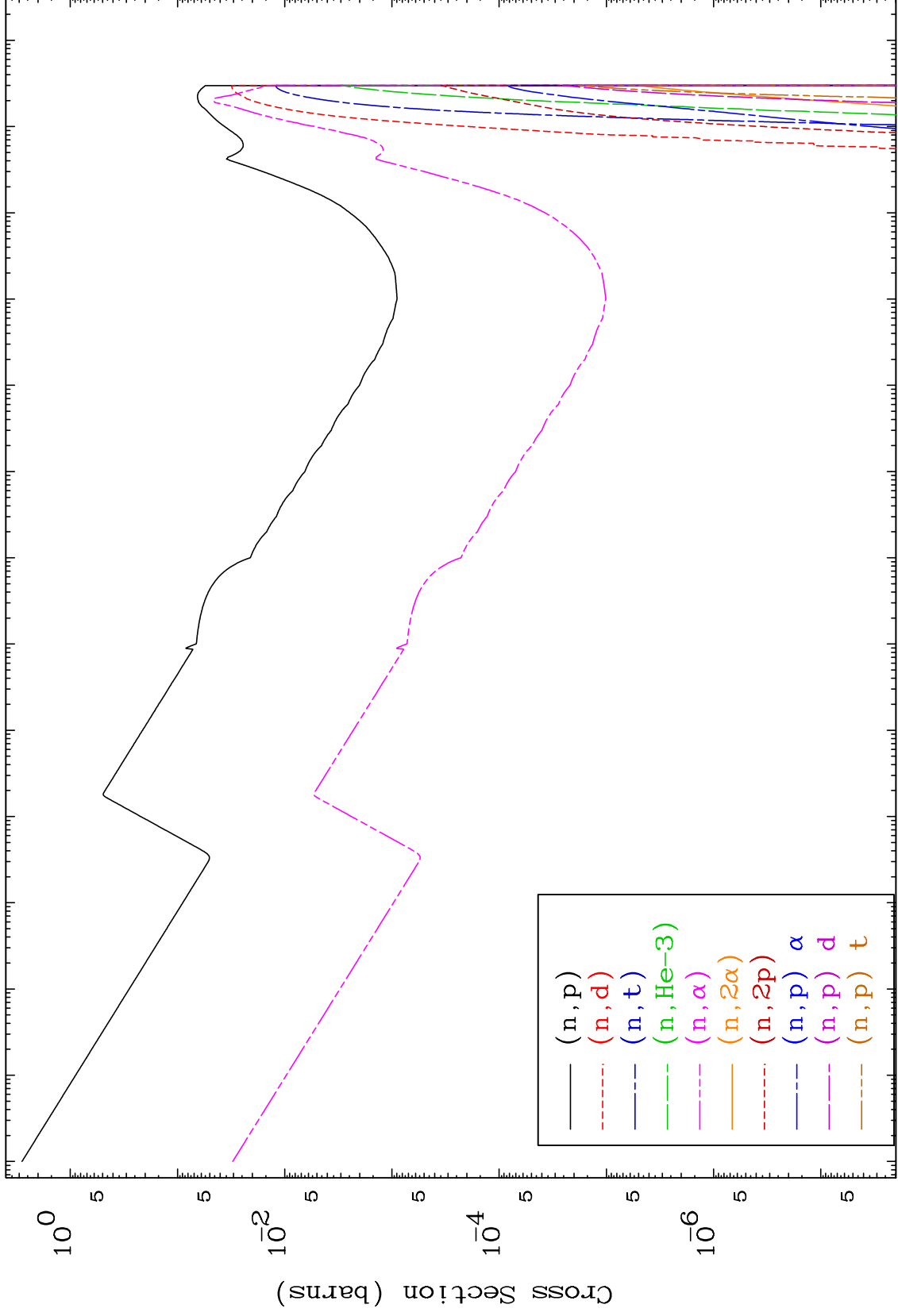
83-Bi-197



MAT 8289

Charged Particle  
293 Kelvin Cross Sections

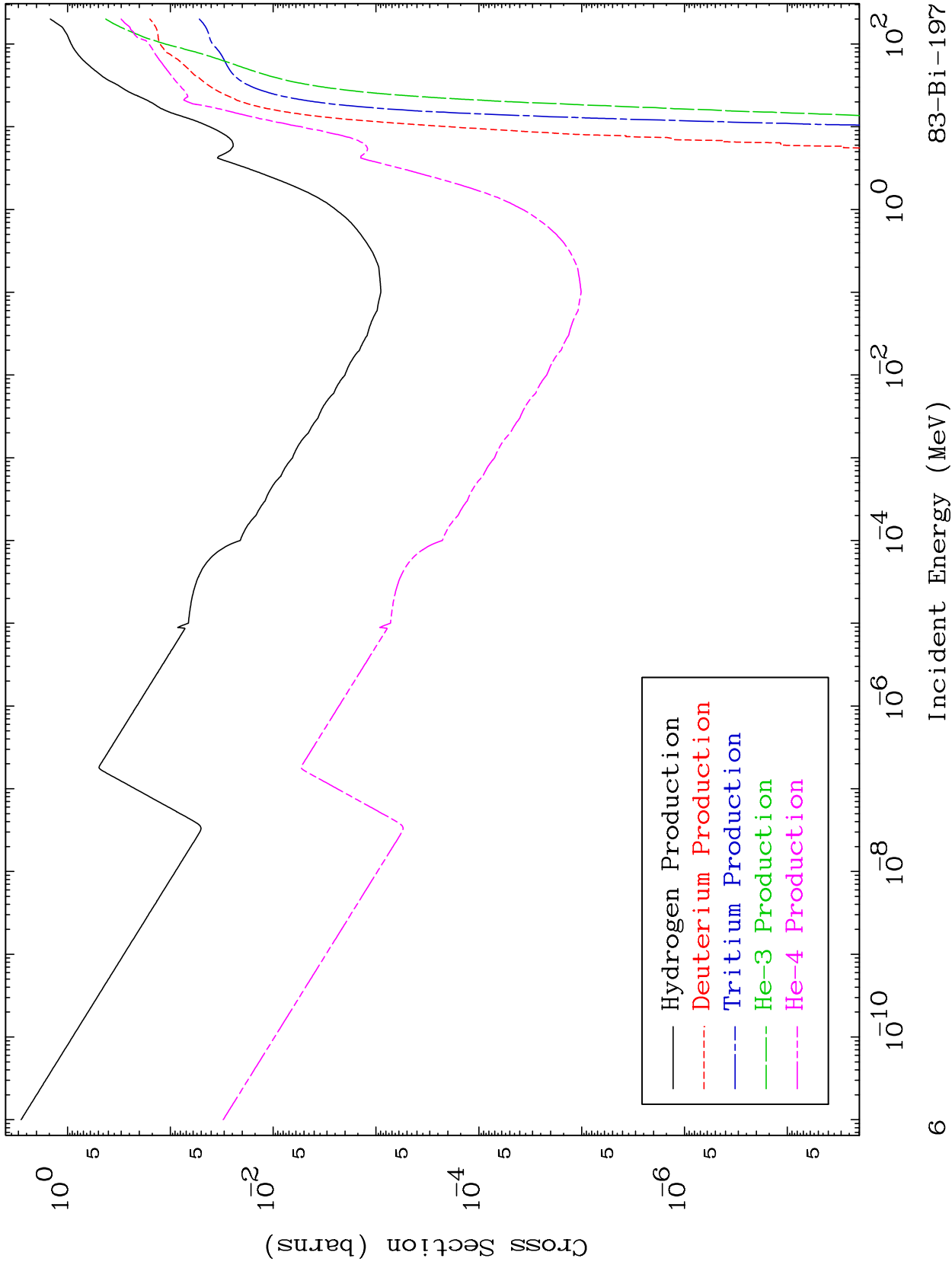
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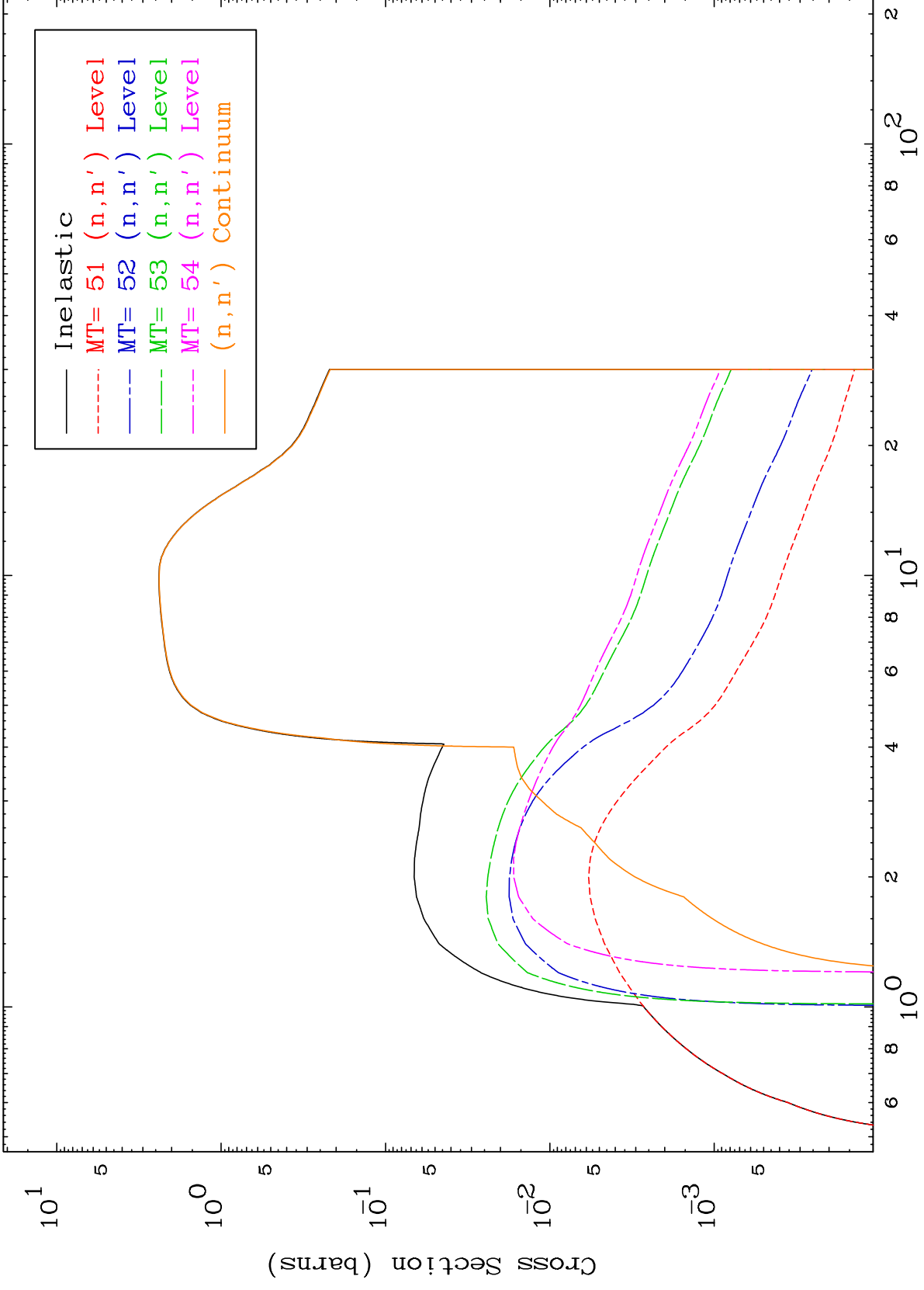
MAT 8289

Particle Production  
293 Kelvin Cross Sections

83-Bi-197



293 Kelvin Cross Sections

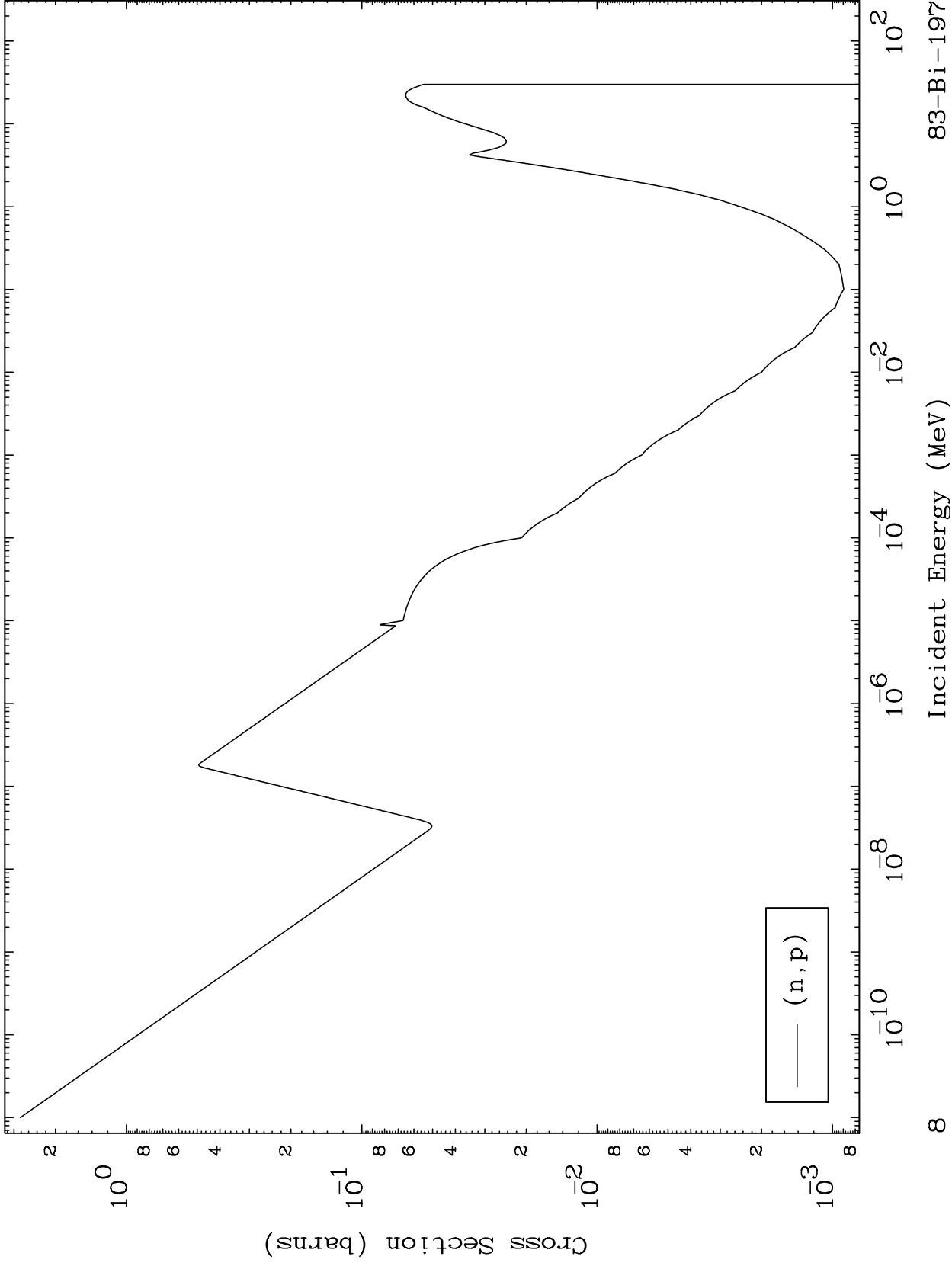




MAT 8289

(n,p) Levels  
293 Kelvin Cross Sections

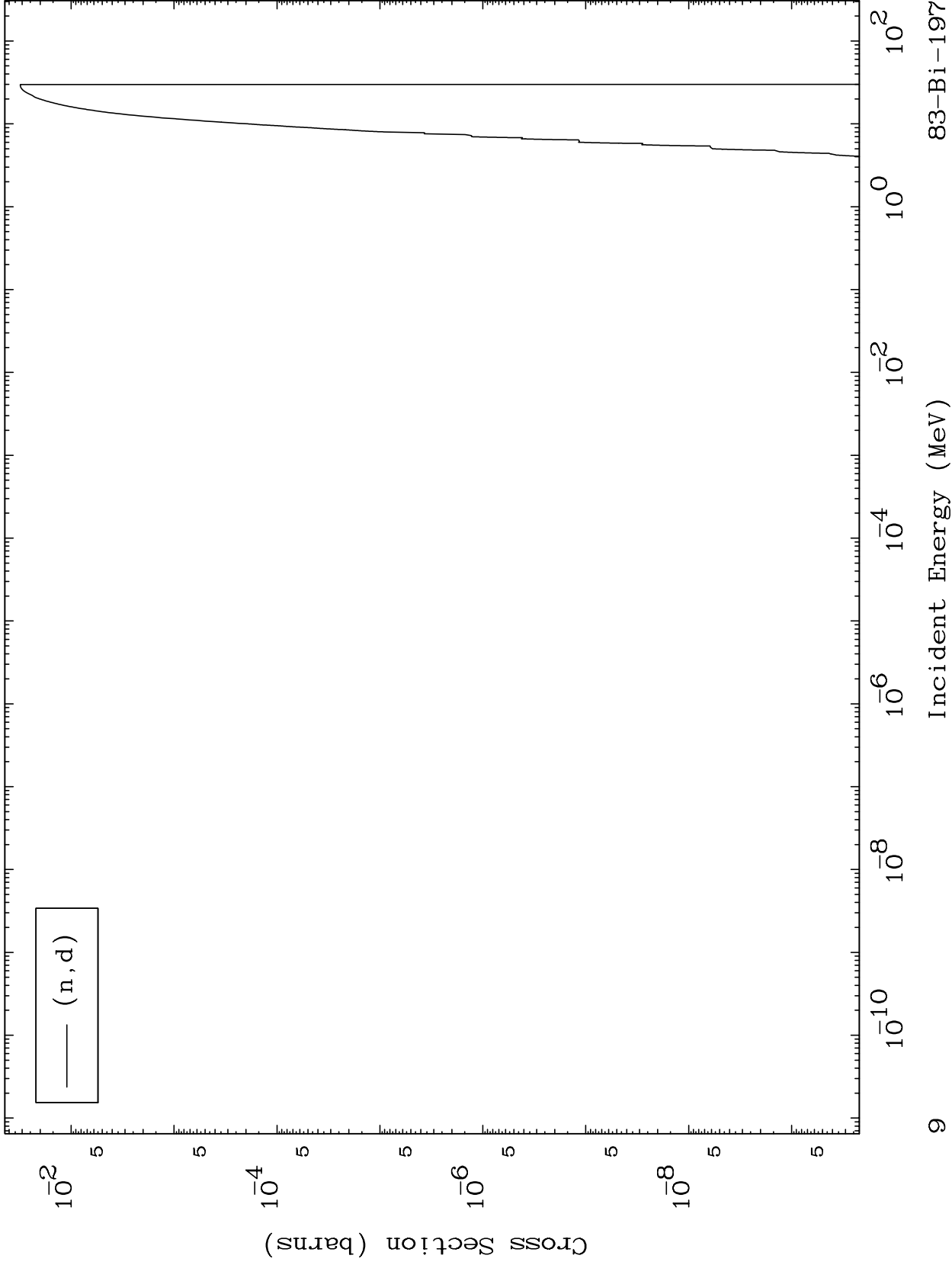
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MAT 8289

(n,d) Levels  
293 Kelvin Cross Sections

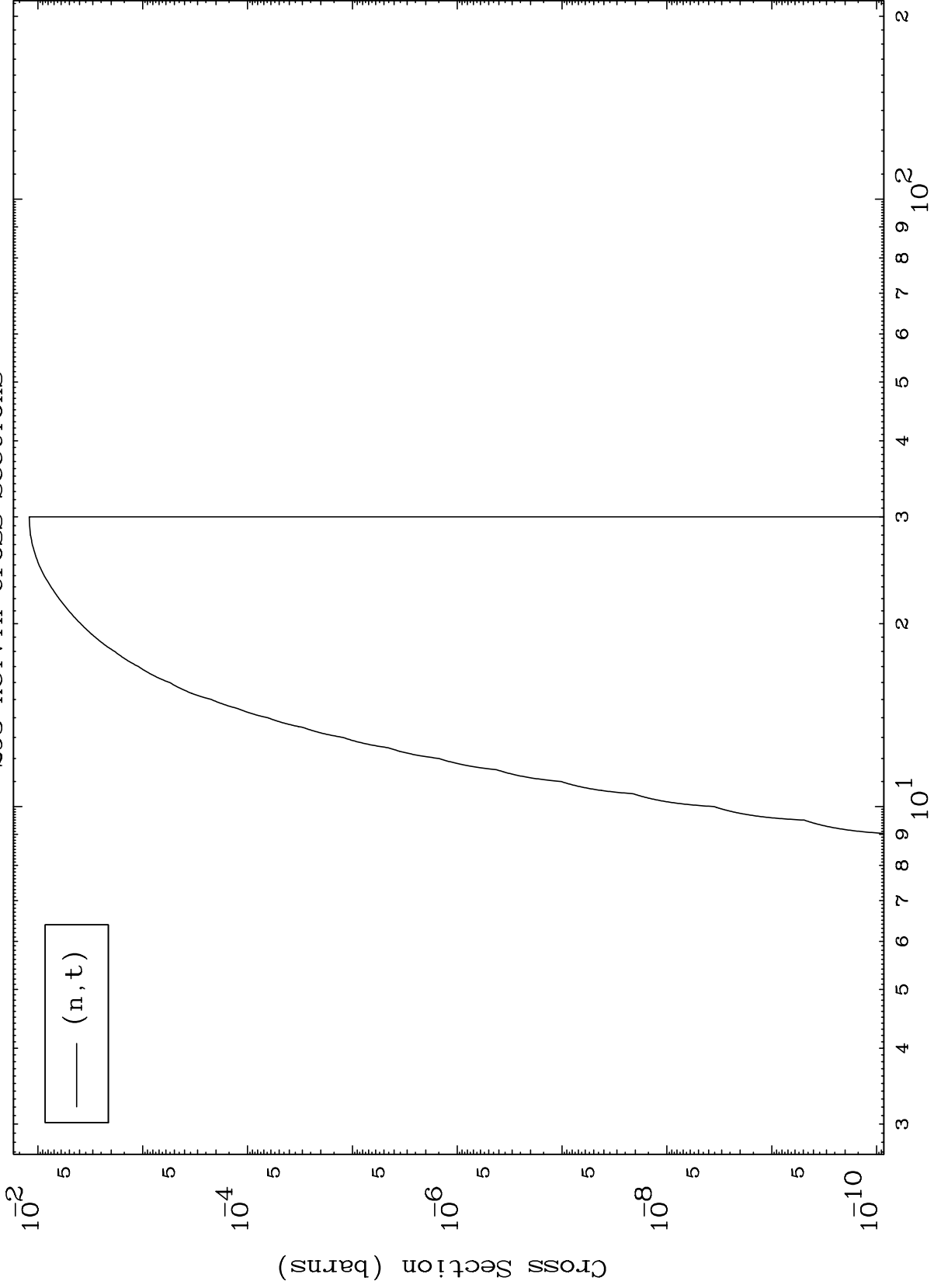
83-Bi-197



MAT 8289

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-197



10

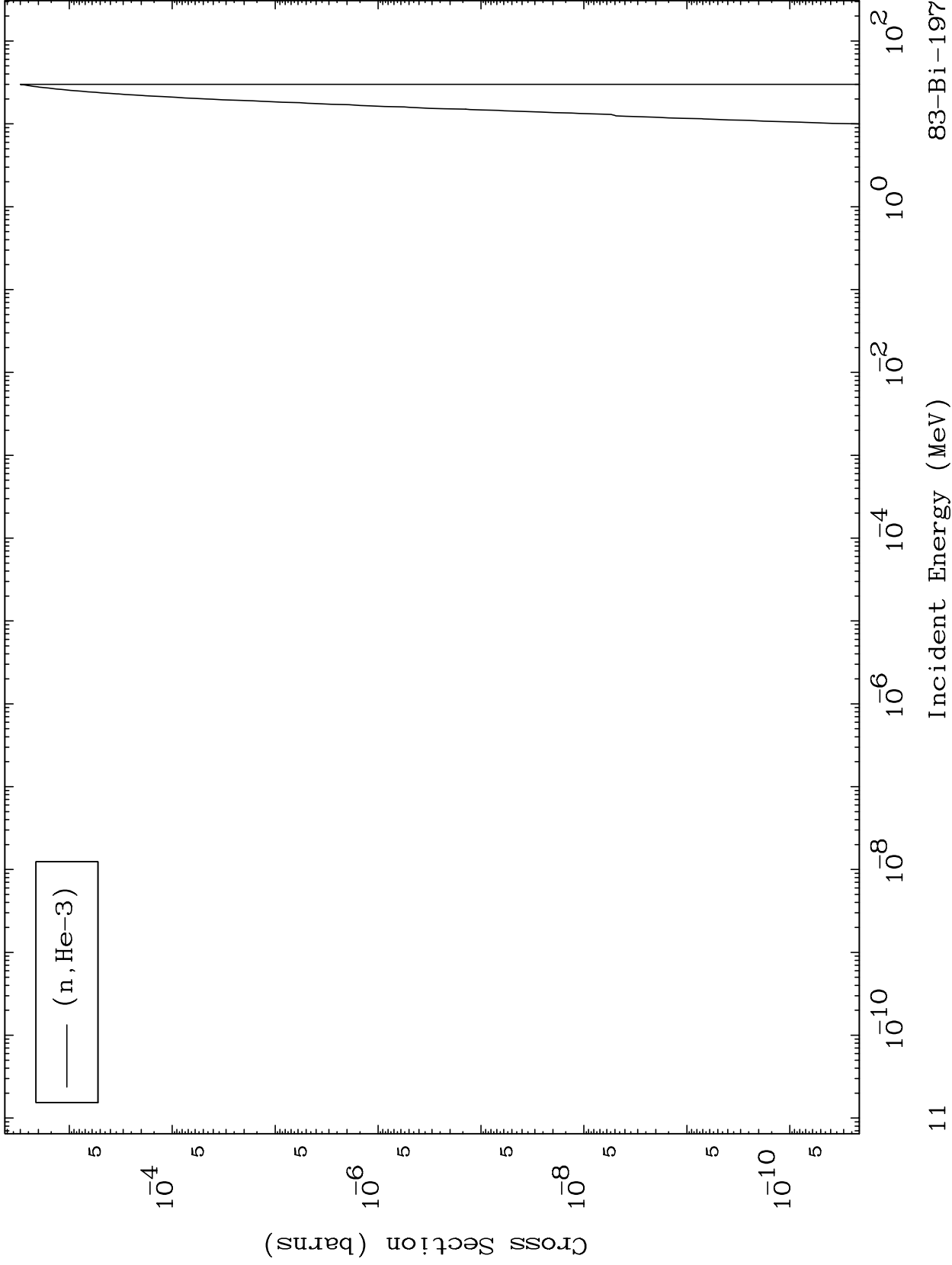
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,He3) Levels  
293 Kelvin Cross Sections

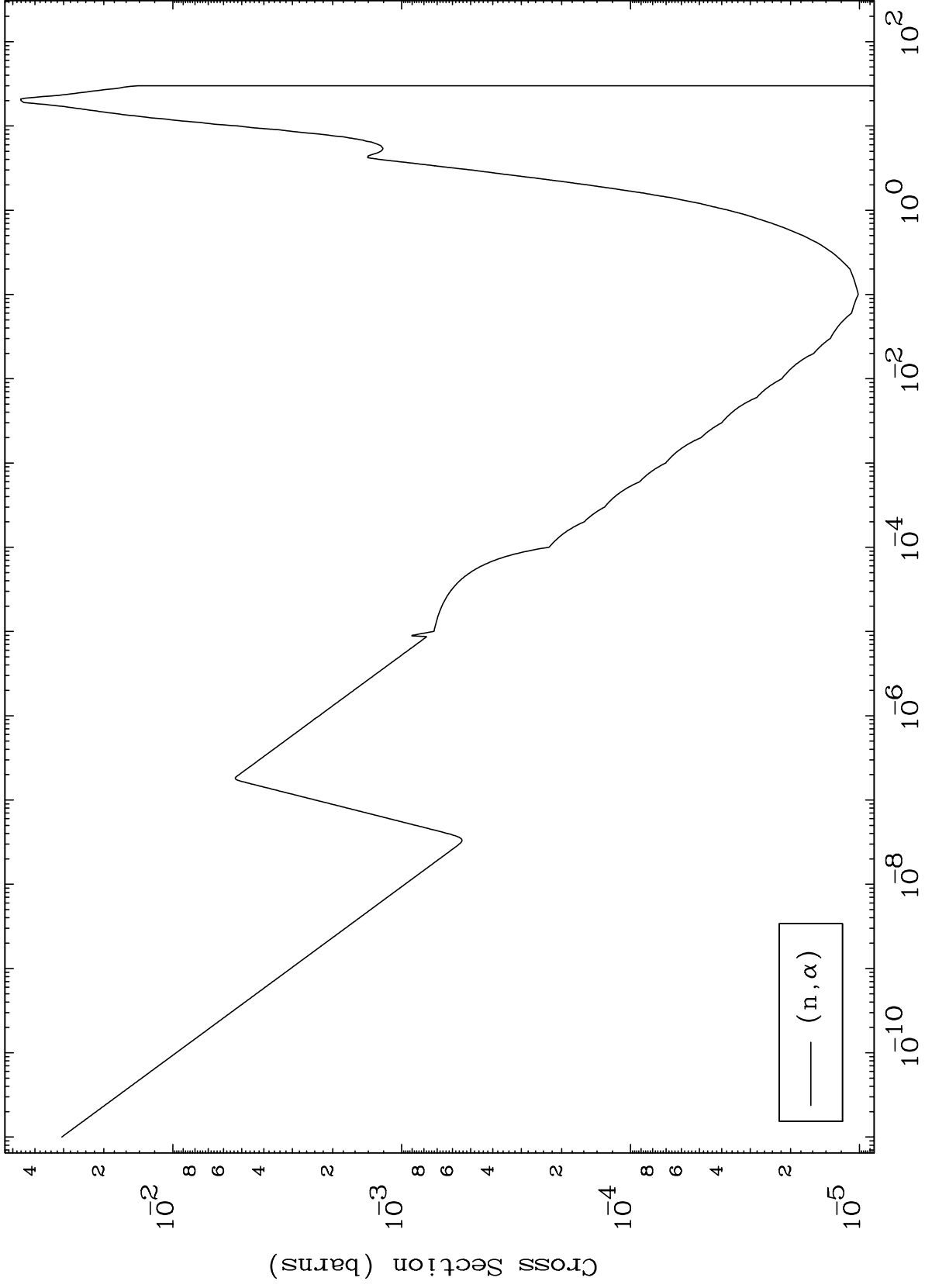
83-Bi-197



MAT 8289

(n,α) Levels  
293 Kelvin Cross Sections

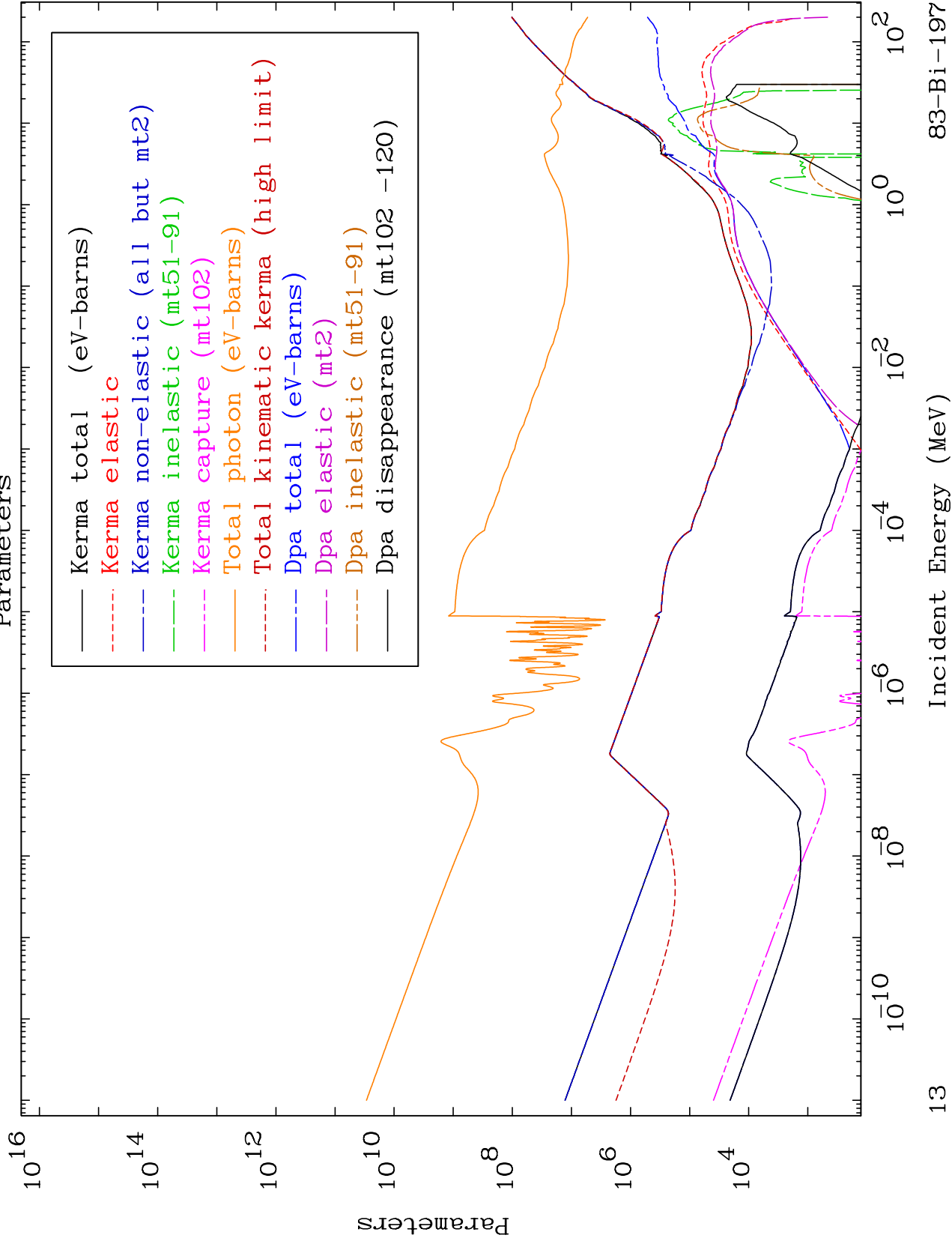
83-Bi-197



12

Incident Energy (MeV)

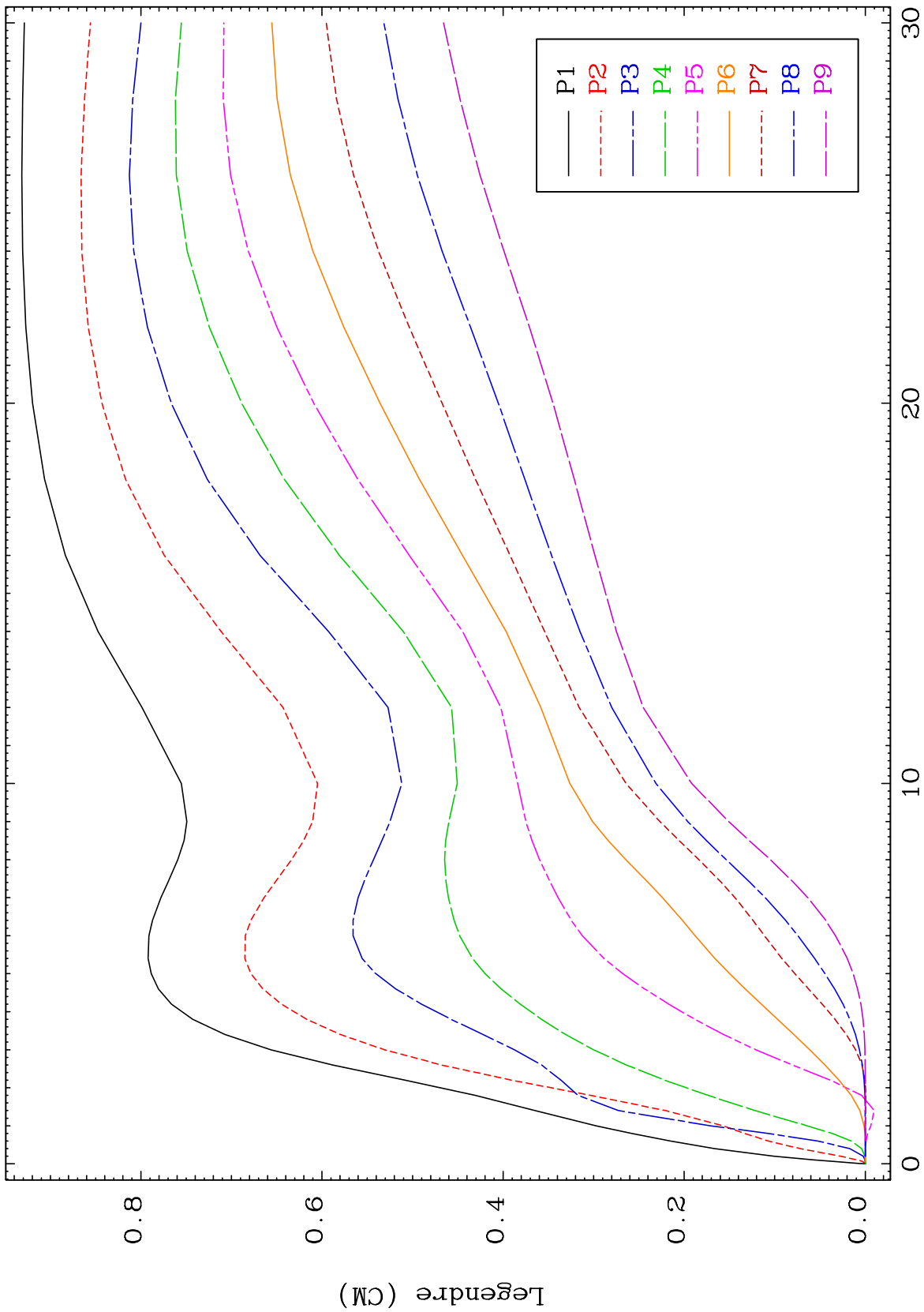
83-Bi-197



MAT 8289

83-Bi-197

Elastic Legendre Coefficients



83-Bi-197

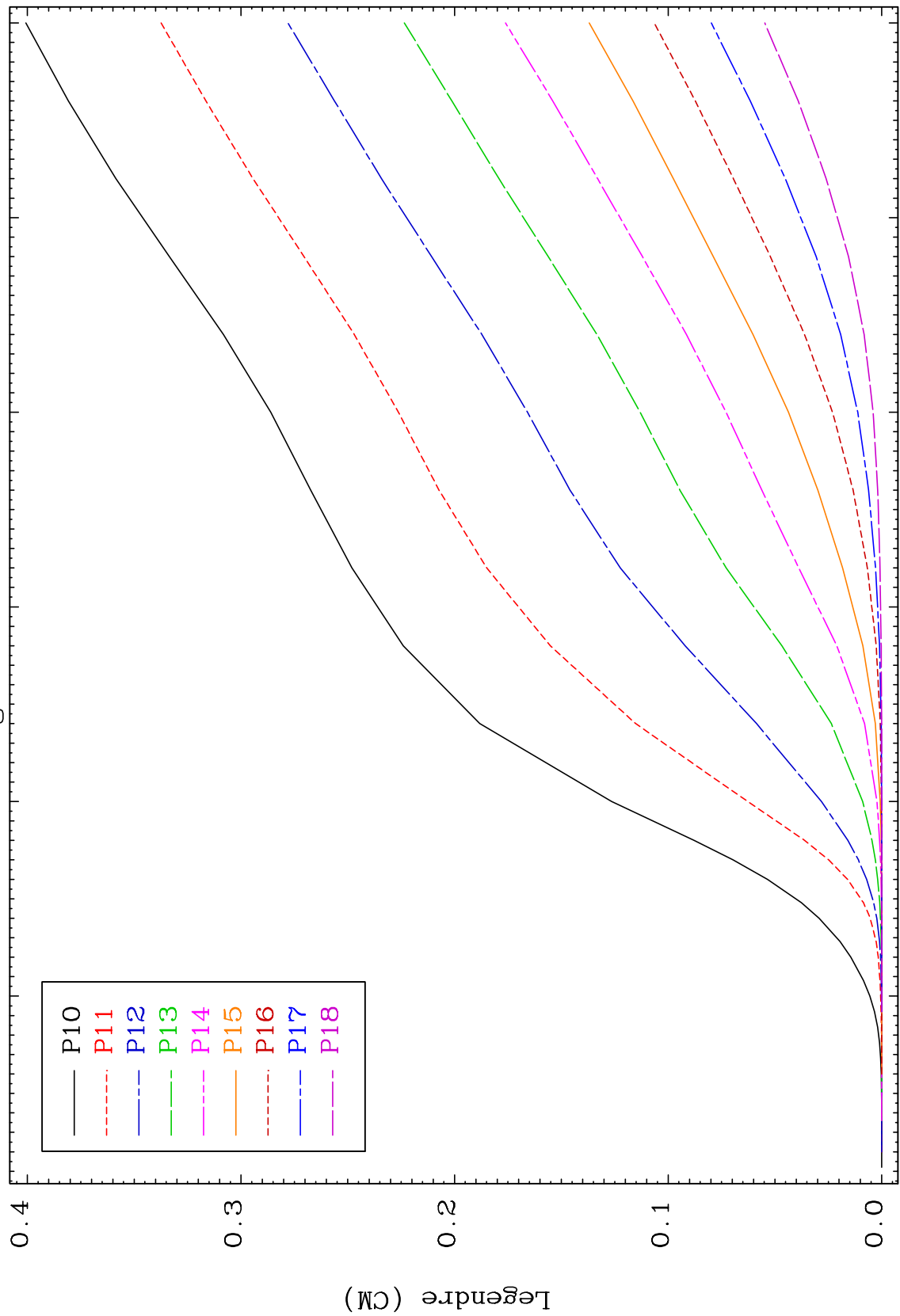
Incident Energy (MeV)

14

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



15

Incident Energy (MeV)

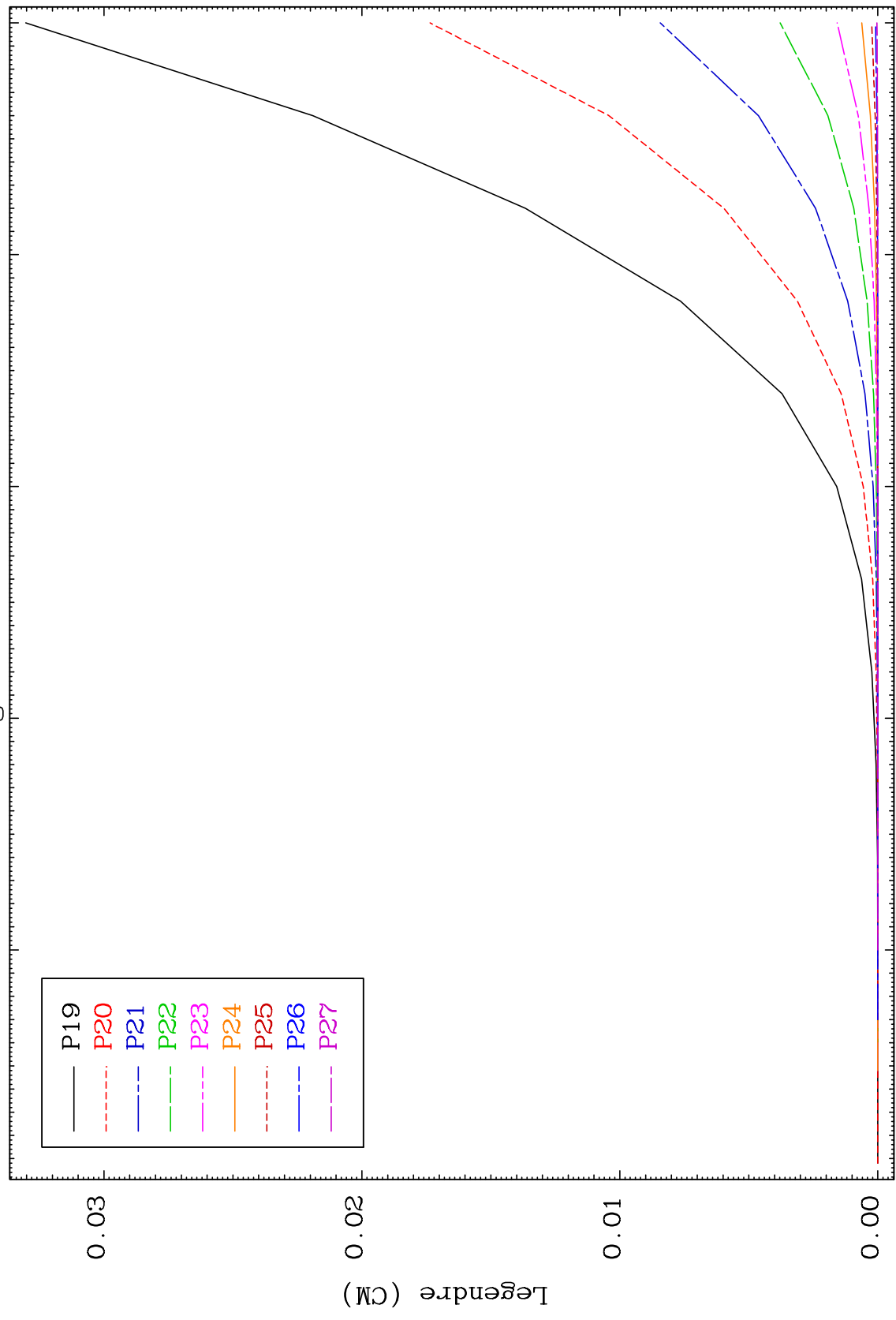
83-Bi-197



MAT 8289

### Elastic Legendre Coefficients

83-Bi-197



16

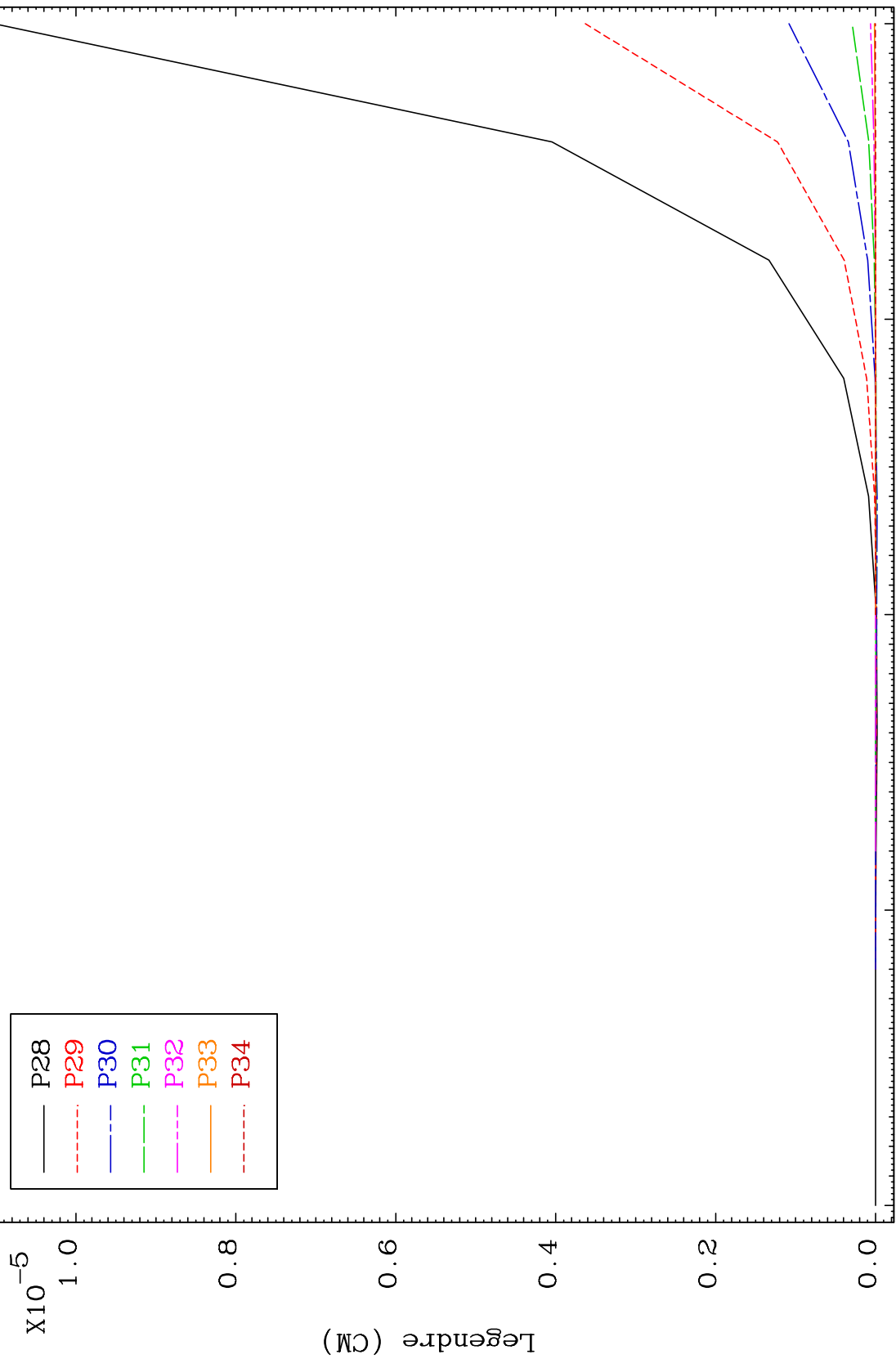
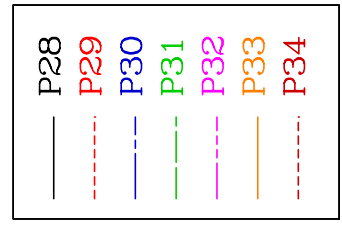
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



17

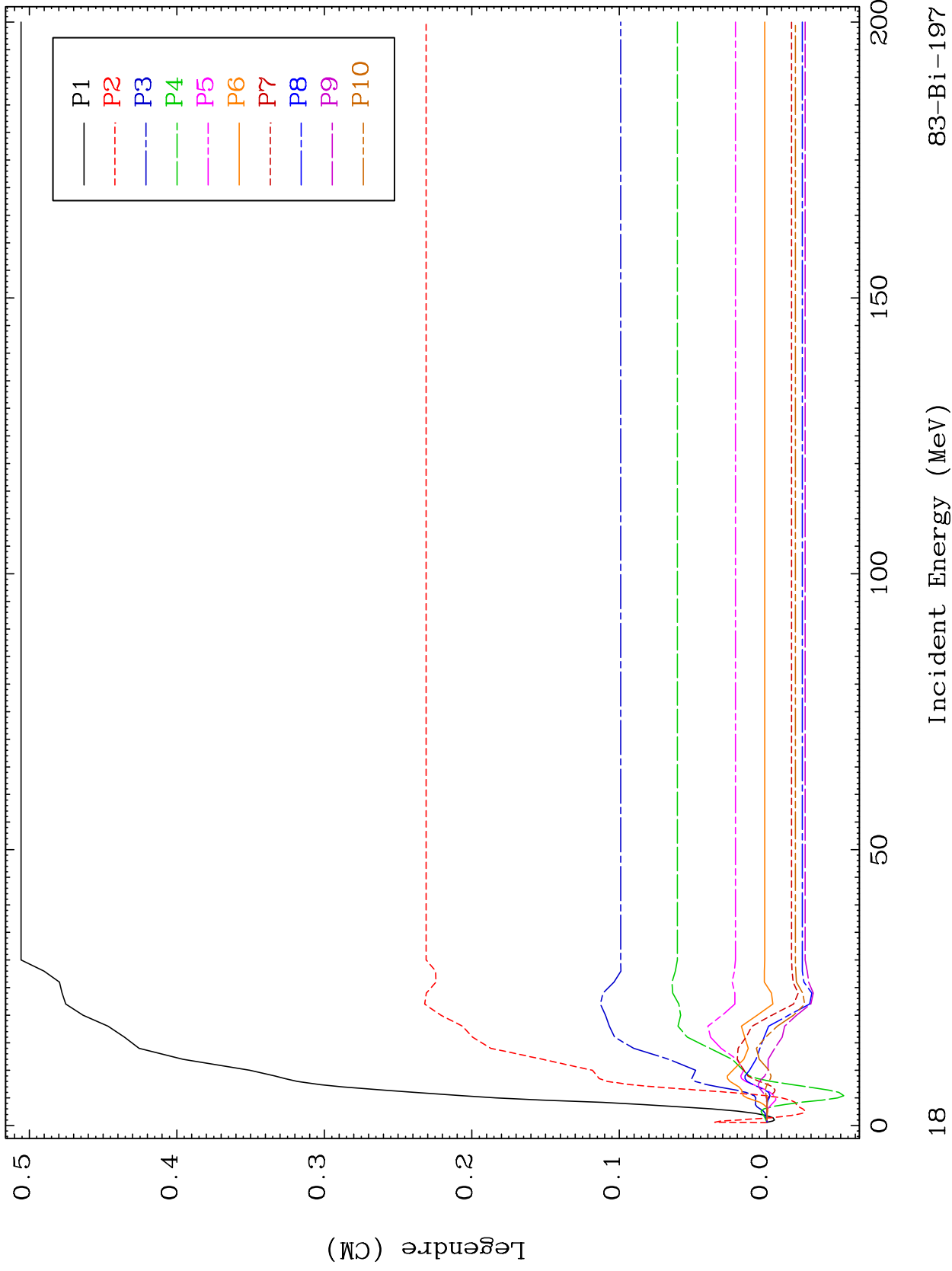
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



83-Bi-197

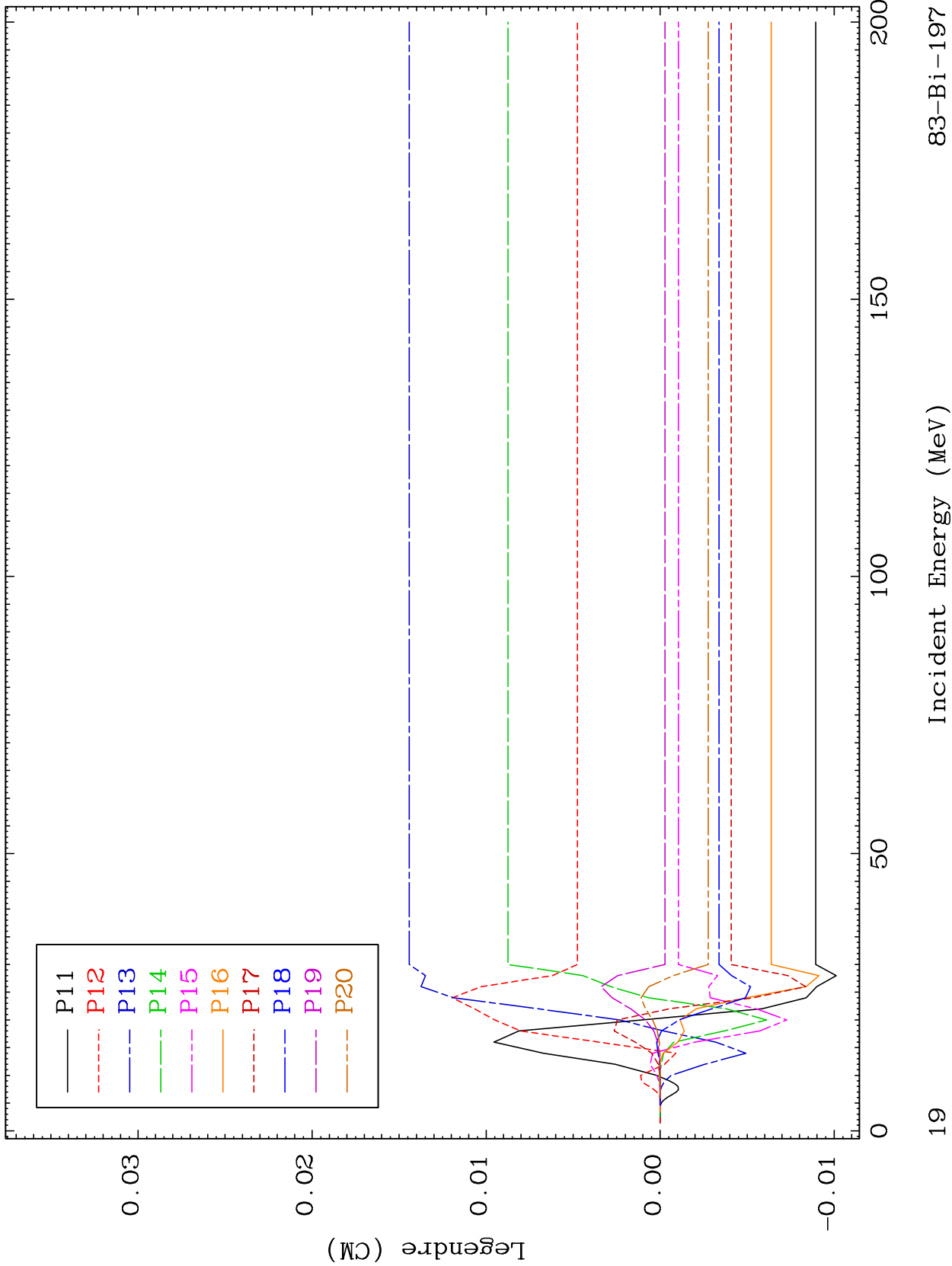
Incident Energy (MeV)

18

MAT 8289

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

83-Bi-197



19

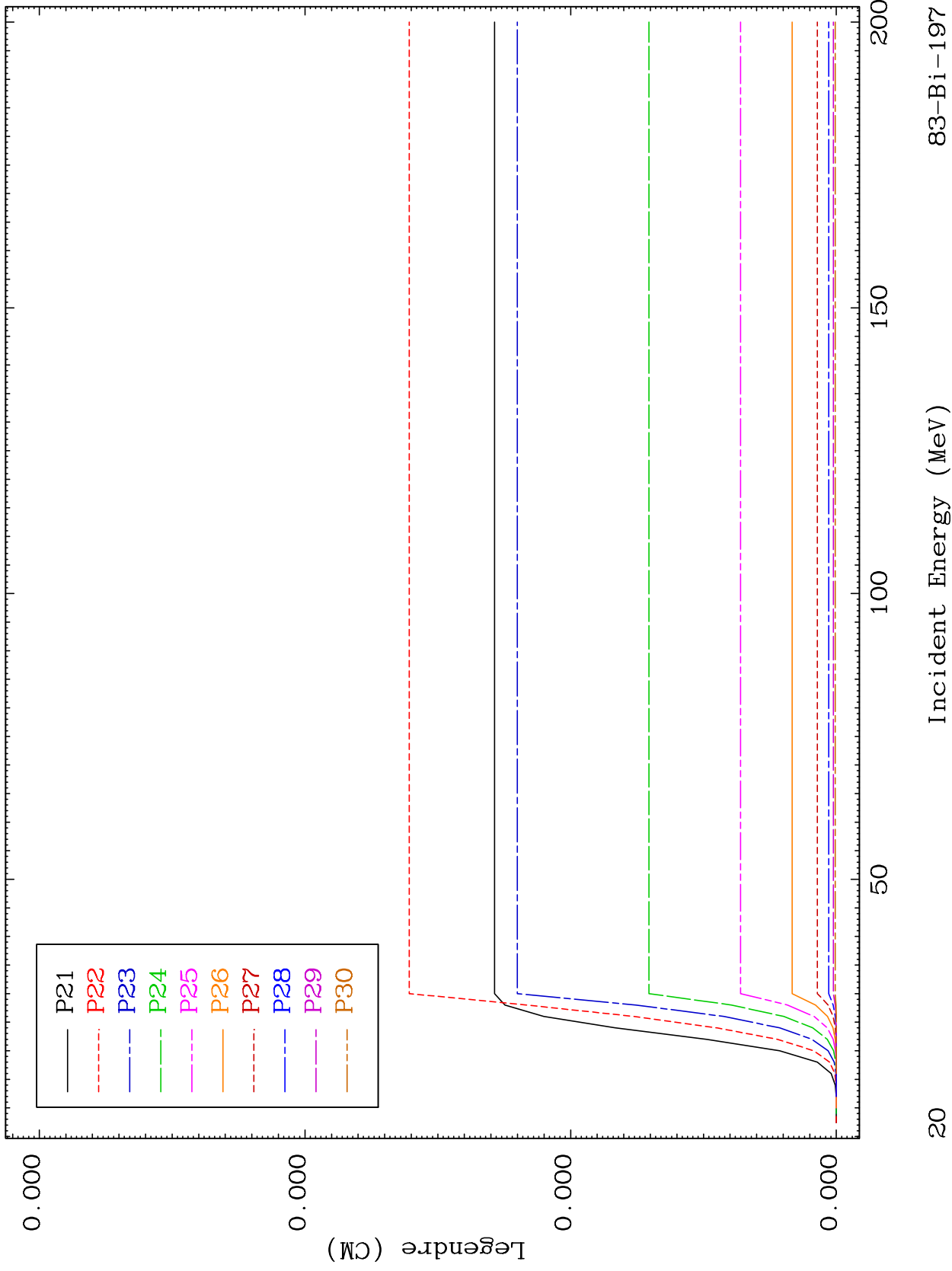
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



83-Bi-197

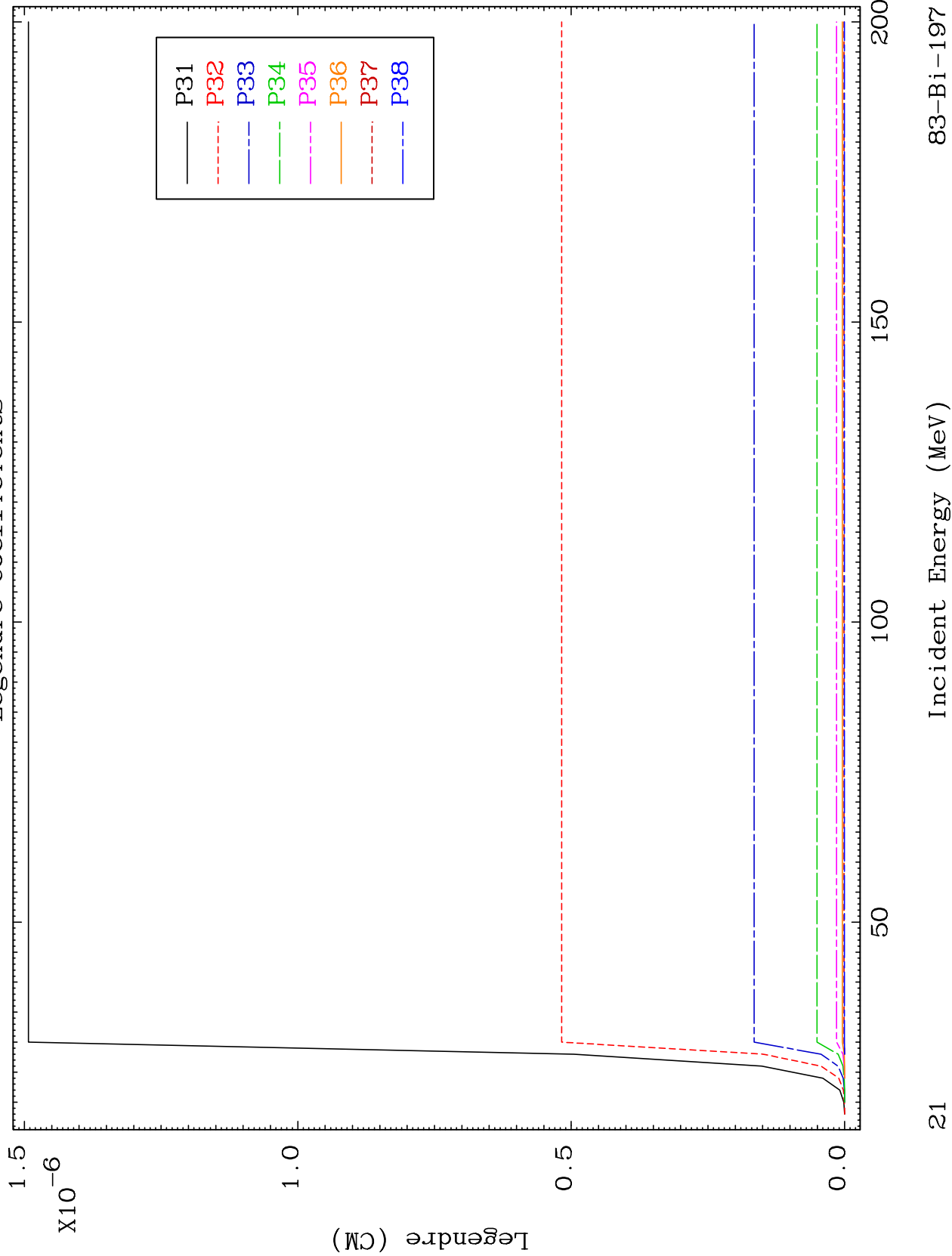
Incident Energy (MeV)

20

MAT 8289

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

83-Bi-197

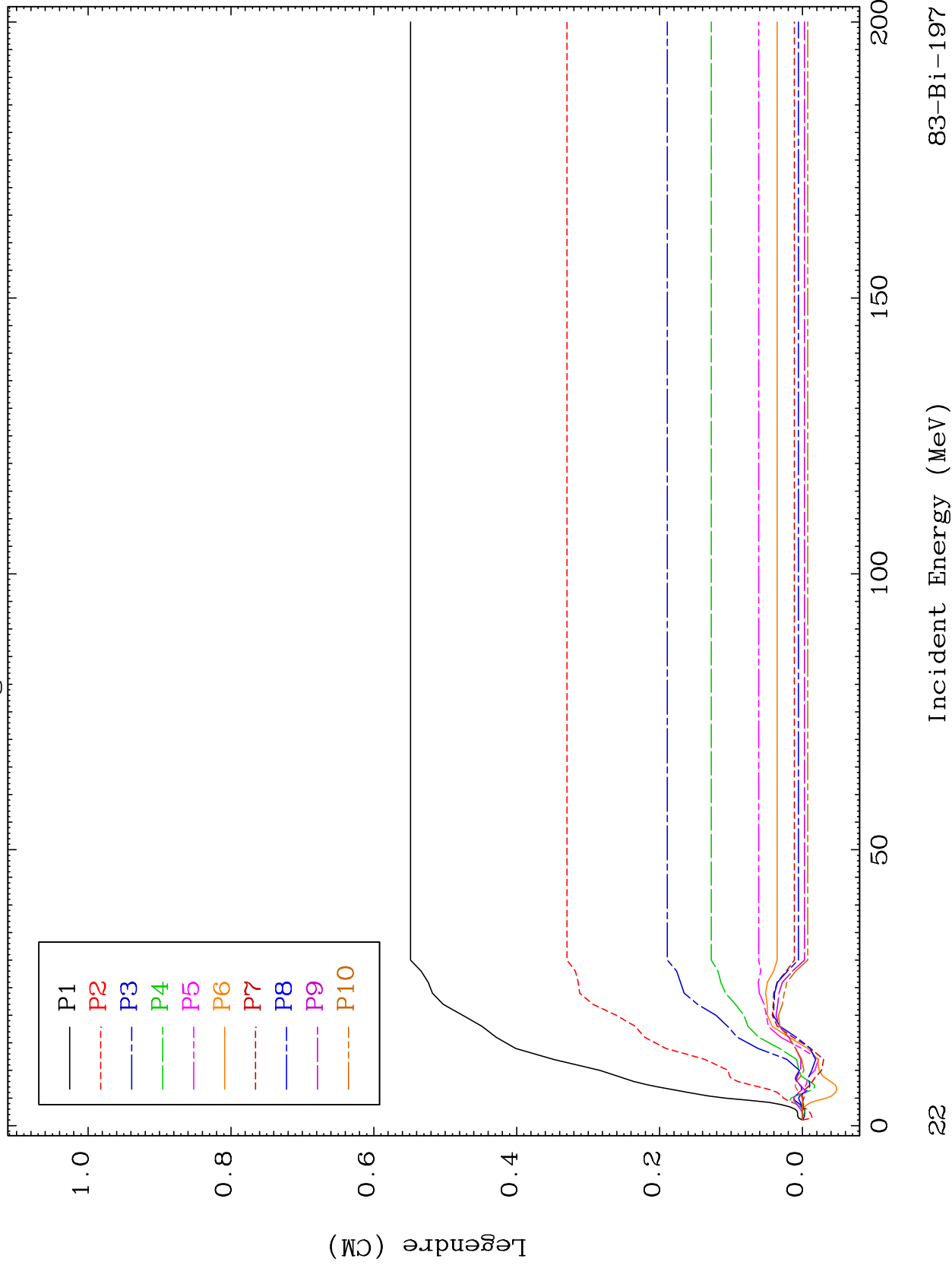


21

MAT 8289

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

83-Bi-197



83-Bi-197

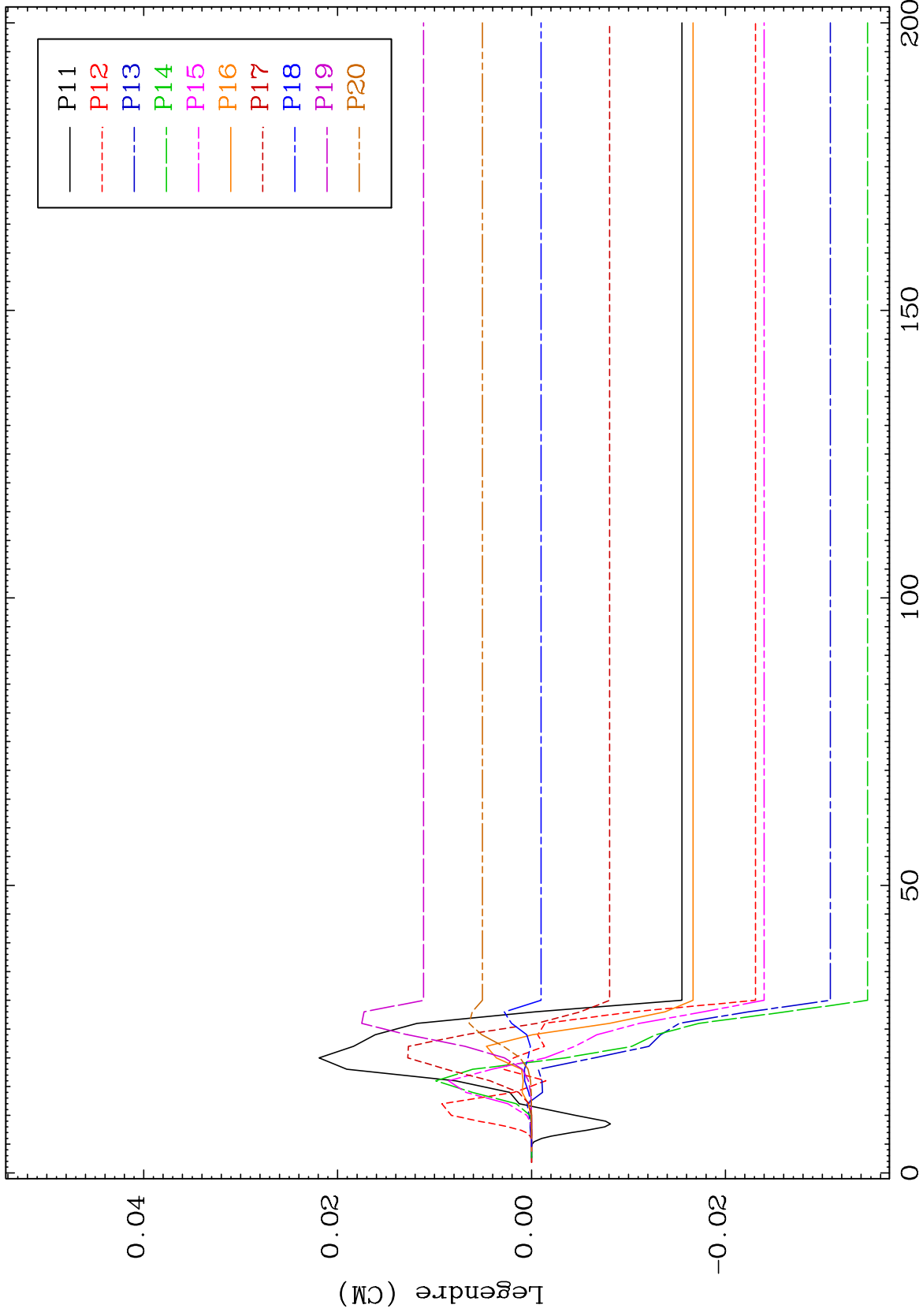
Incident Energy (MeV)

22

MAT 8289

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

83-Bi-197



23

Incident Energy (MeV)

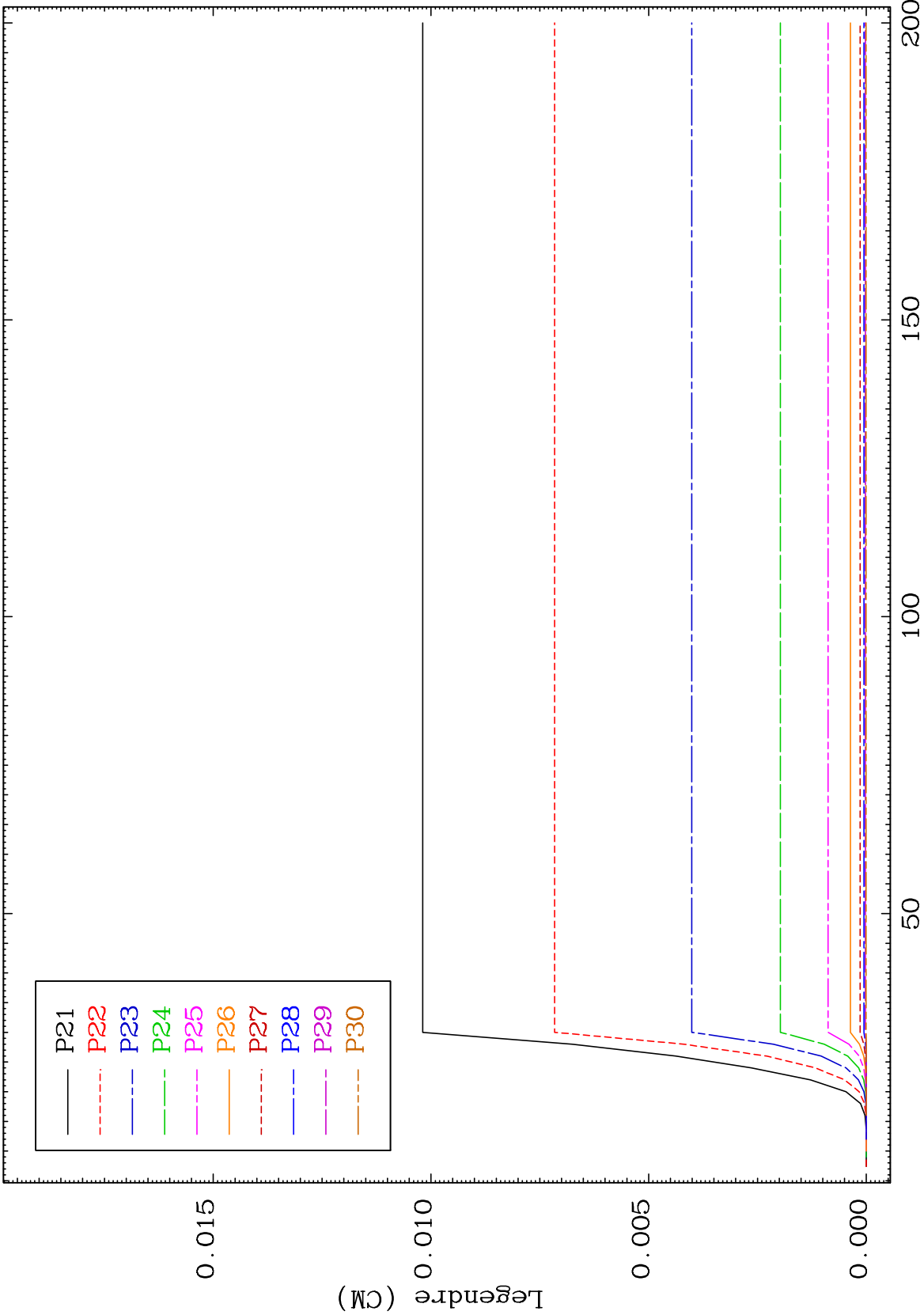
83-Bi-197



MAT 8289

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

83-Bi-197



24

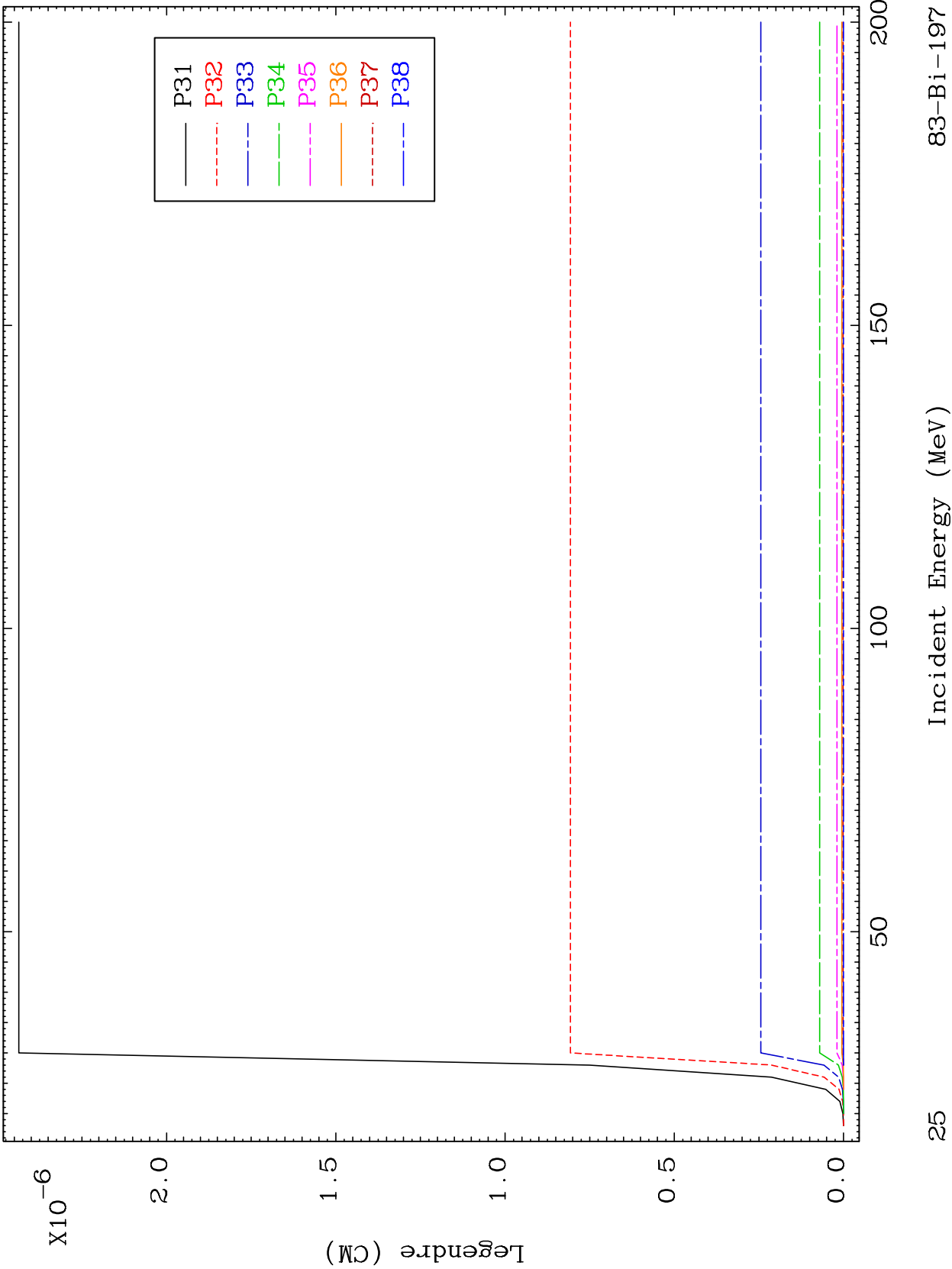
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



25

Incident Energy (MeV)

50

100

150

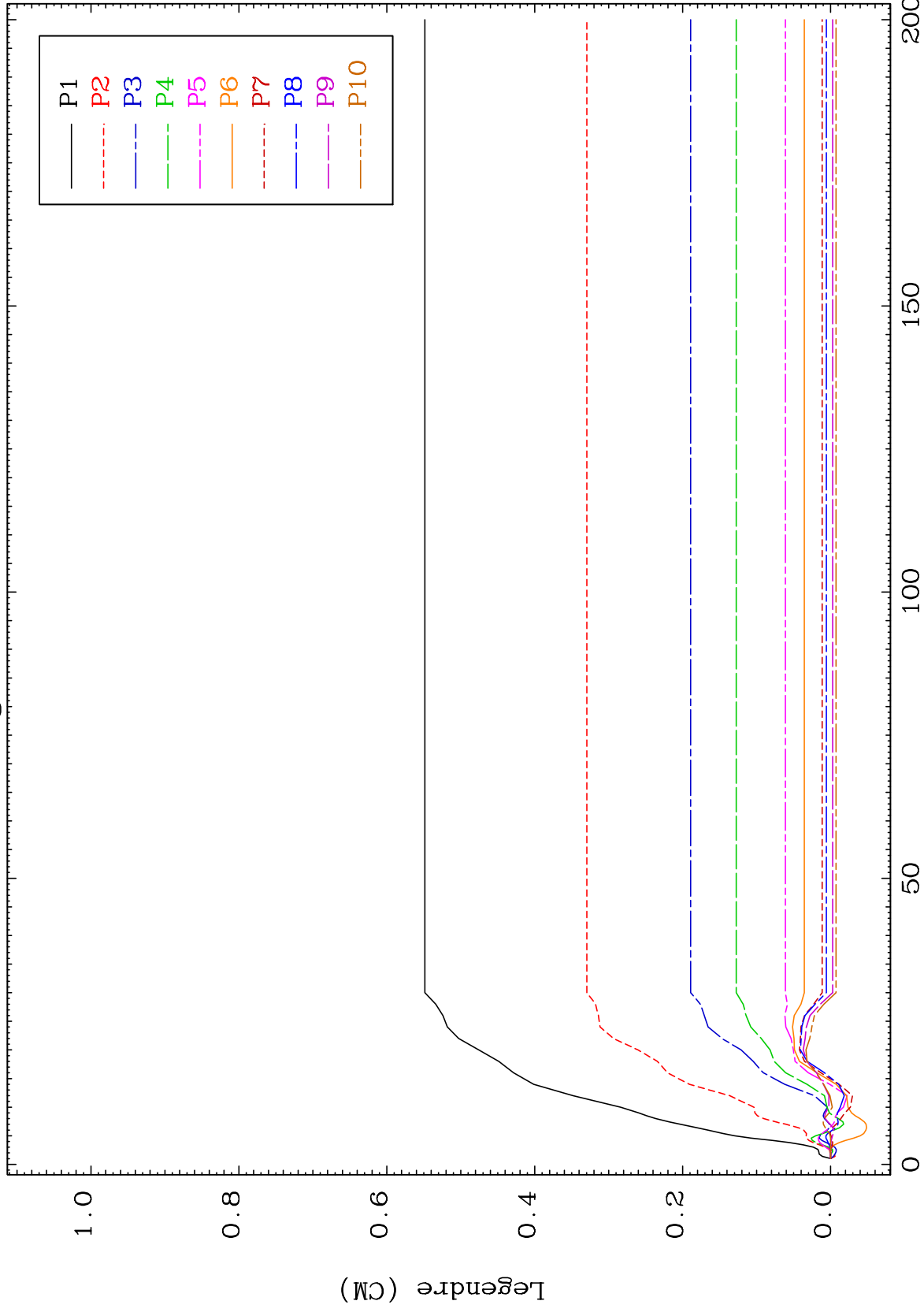
200

83-Bi-197

MAT 8289

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

83-Bi-197



26

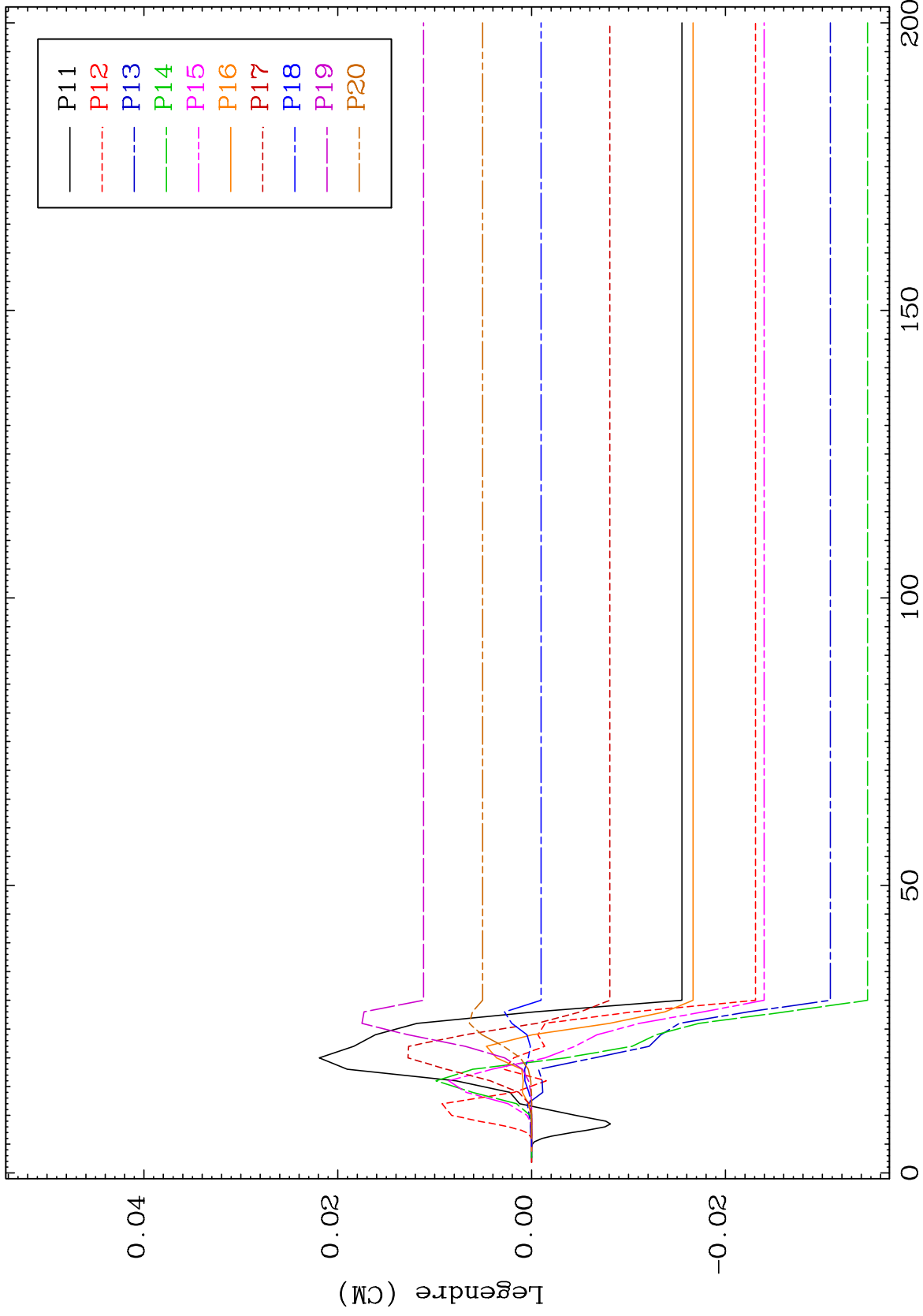
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



27

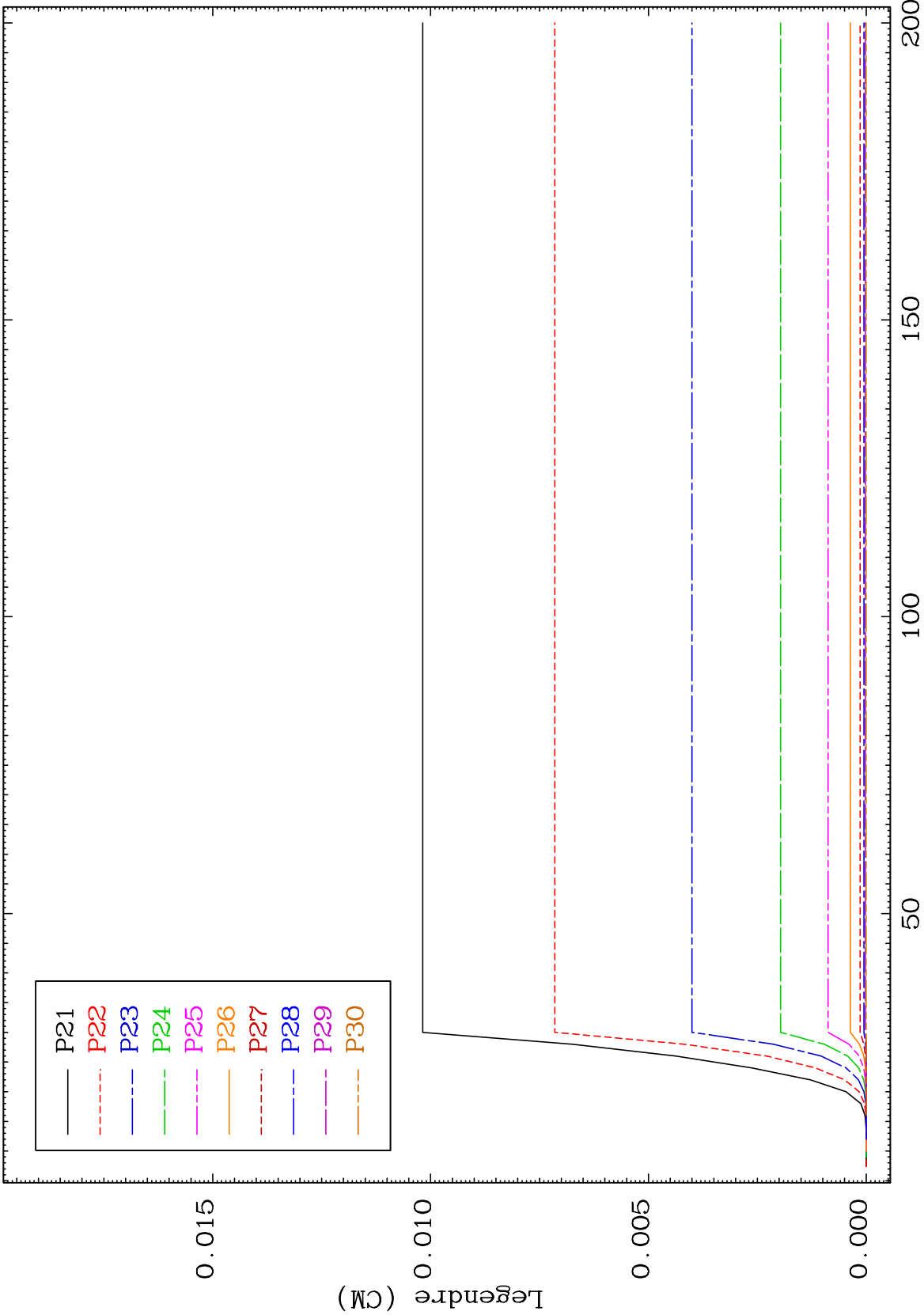
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



28

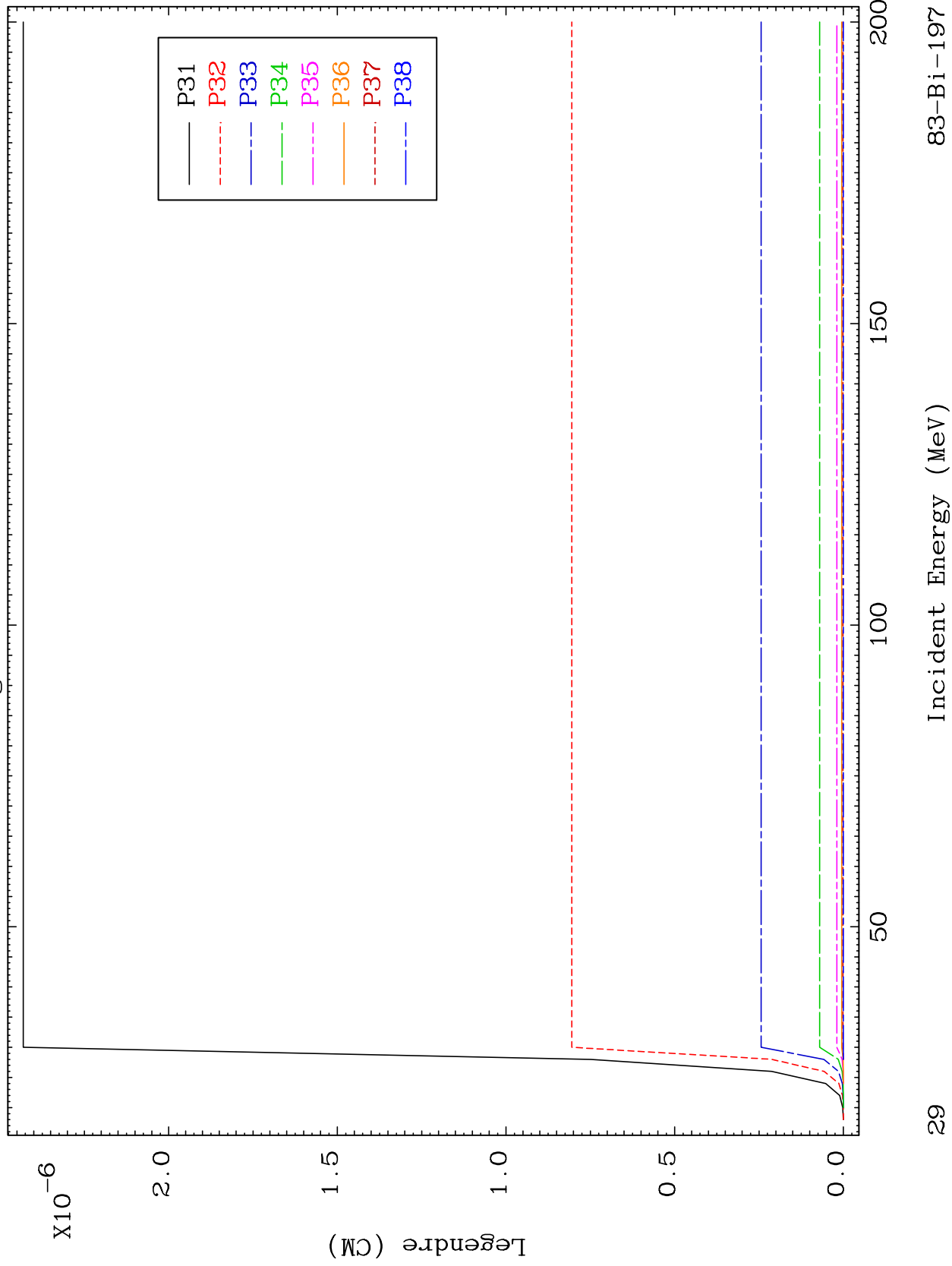
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



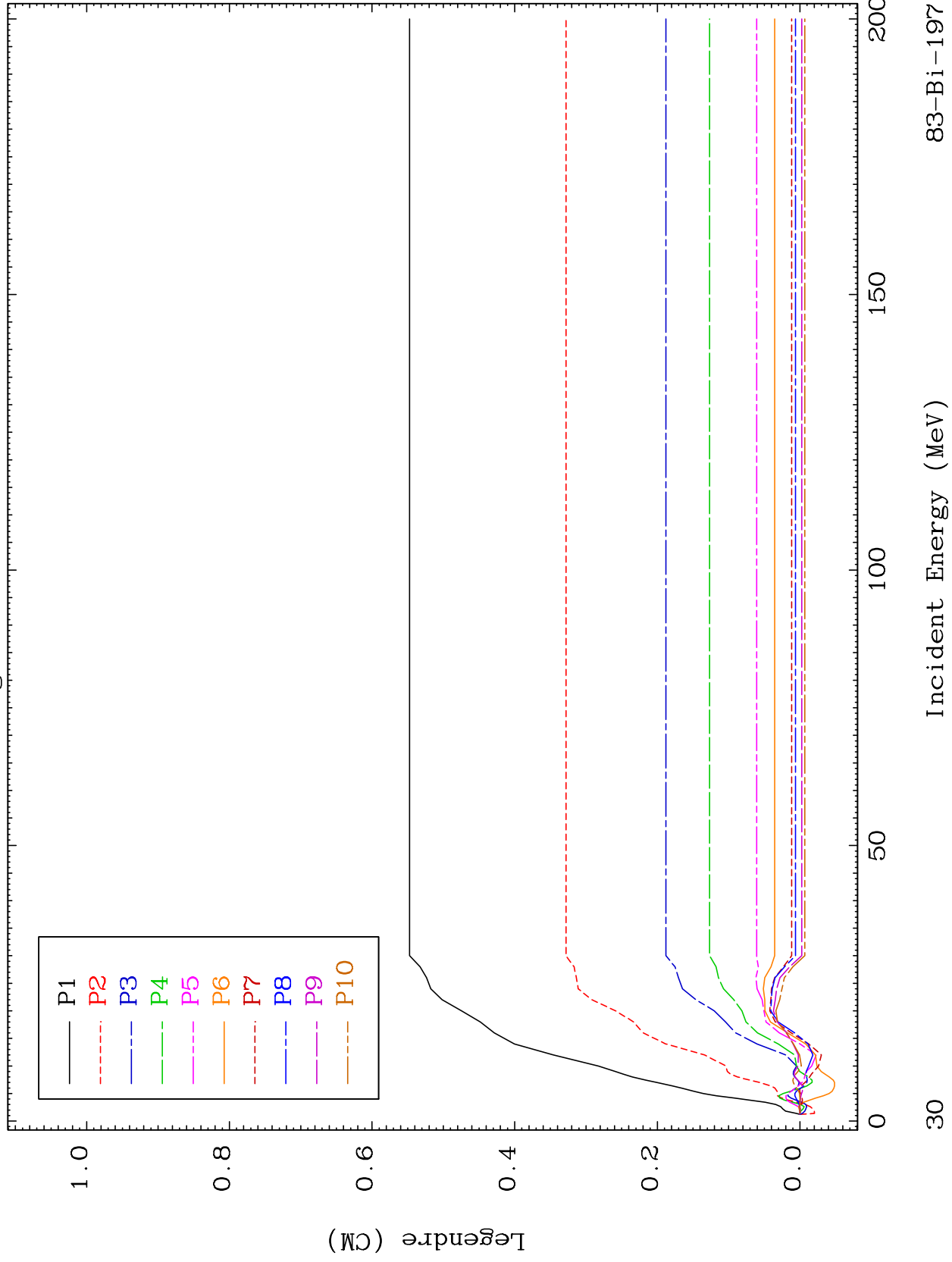
29

83-Bi-197

MAT 8289

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

83-Bi-197



83-Bi-197

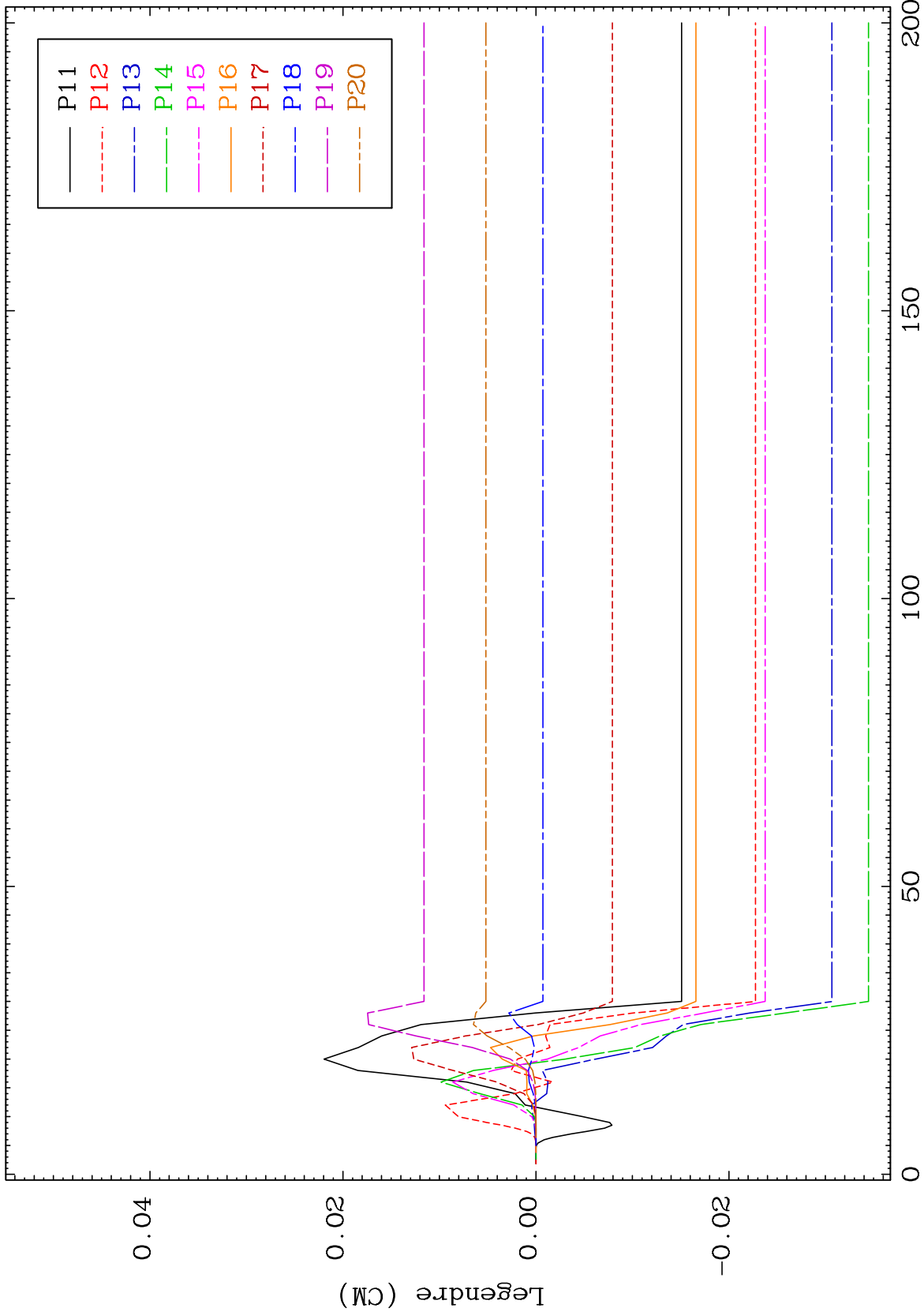
Incident Energy (MeV)

30

MAT 8289

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

83-Bi-197



31

Incident Energy (MeV)

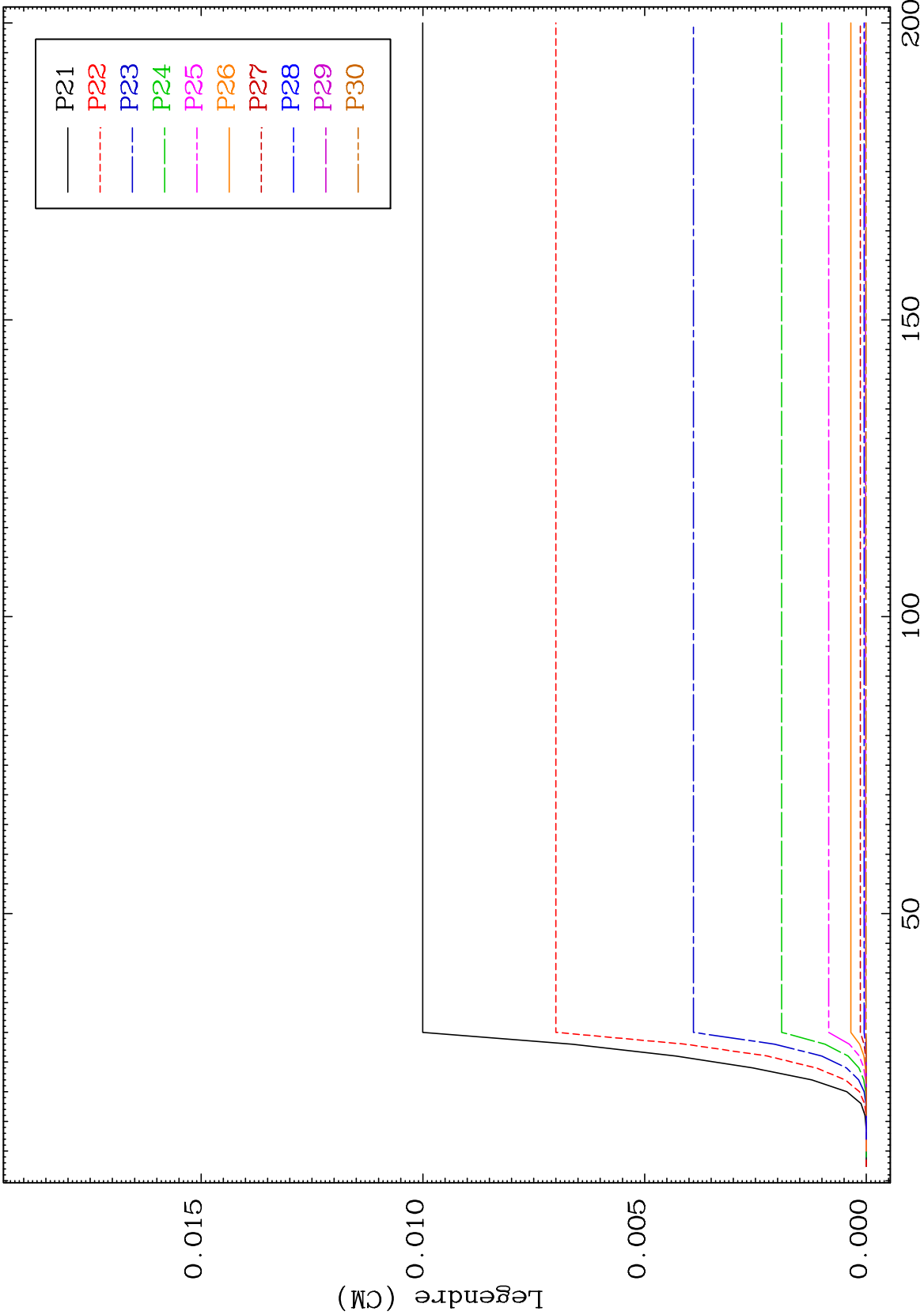
83-Bi-197



MAT 8289

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

83-Bi-197



32

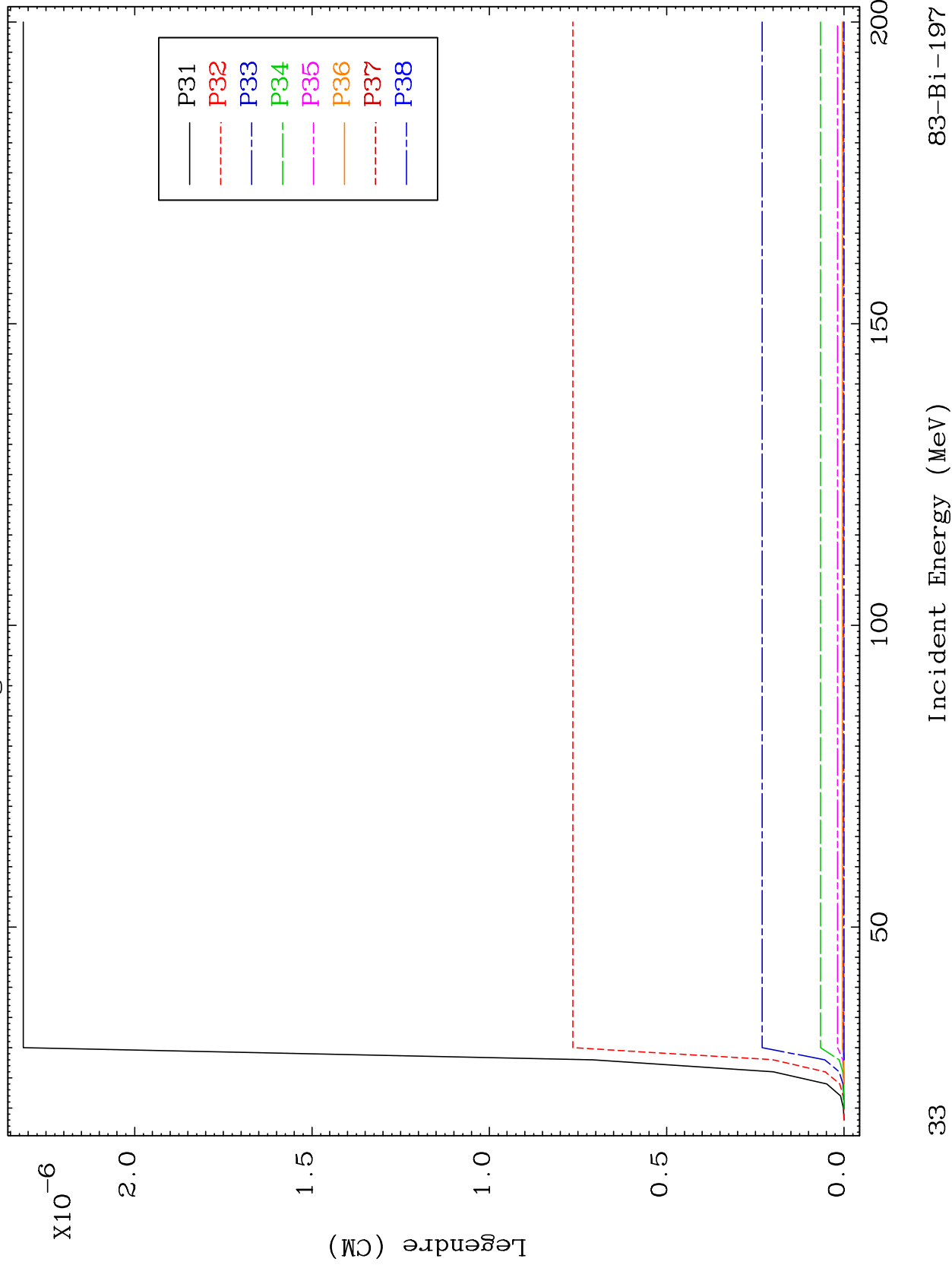
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



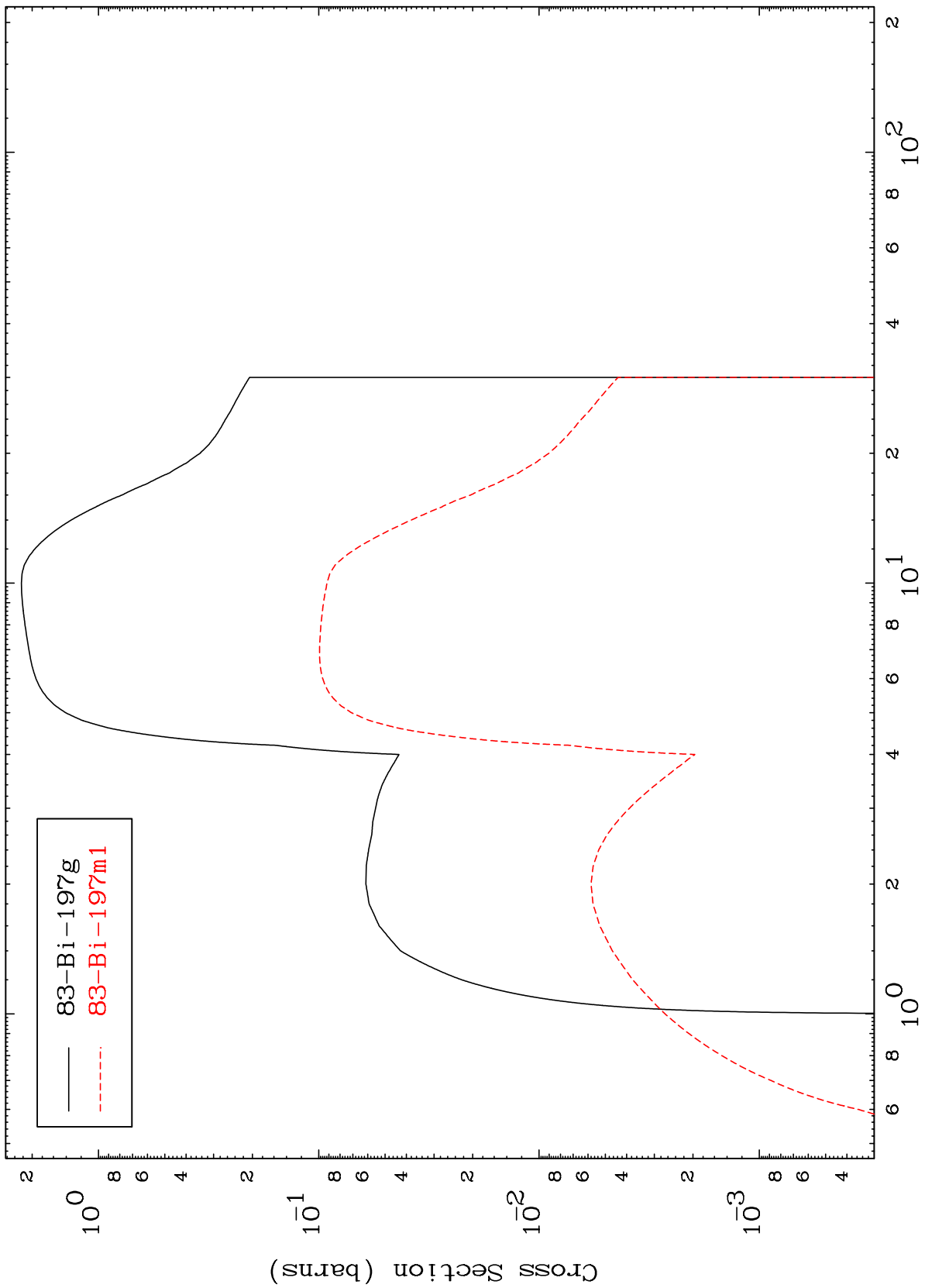
33

83-Bi-197

MAT 8289

83-Bi-197

Inelastic  
Radionuclide Production Cross Section



83-Bi-197

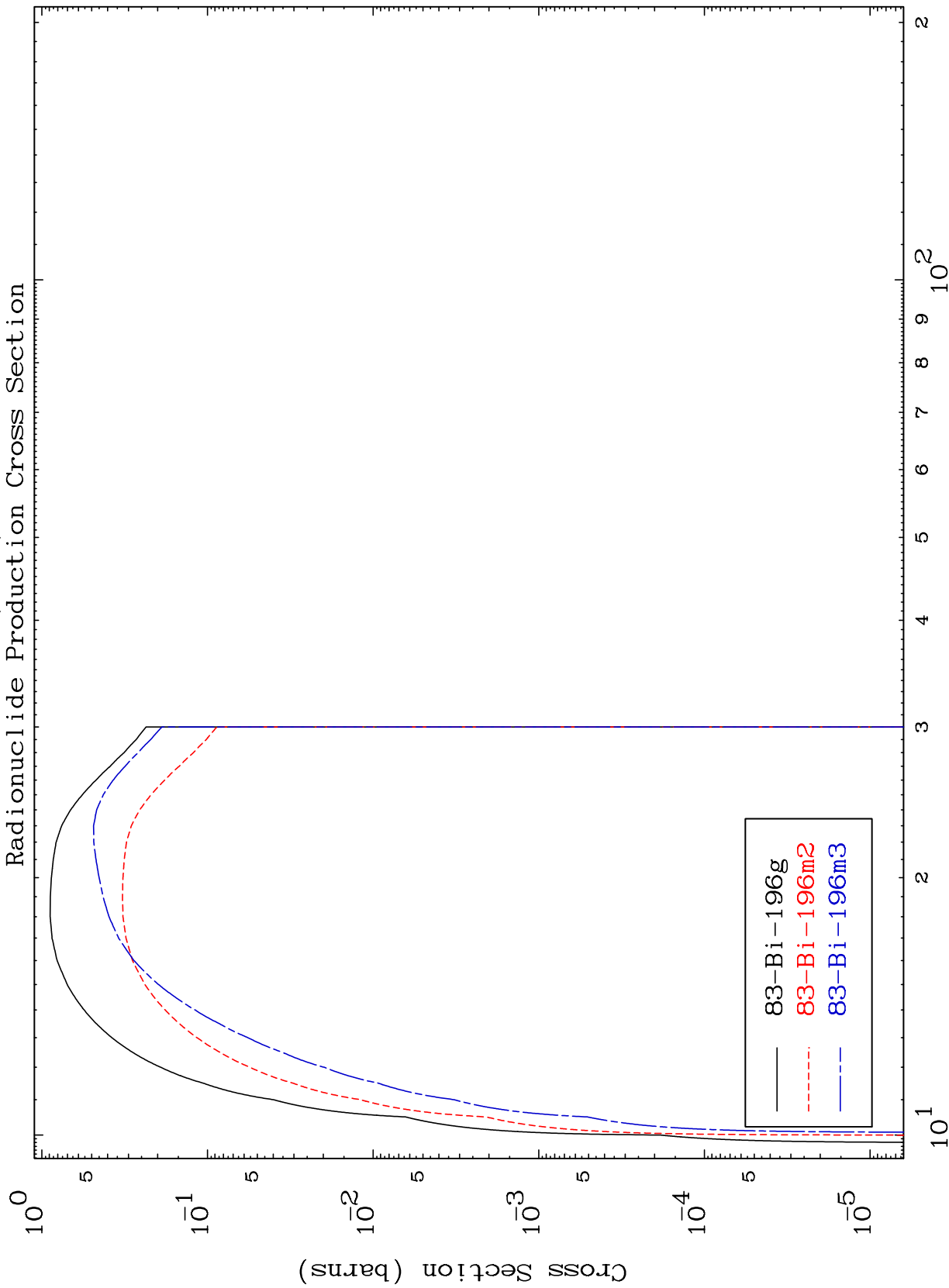
Incident Energy (MeV)

34

MAT 8289

83-Bi-197

Radionuclide Production Cross Section



83-Bi-197

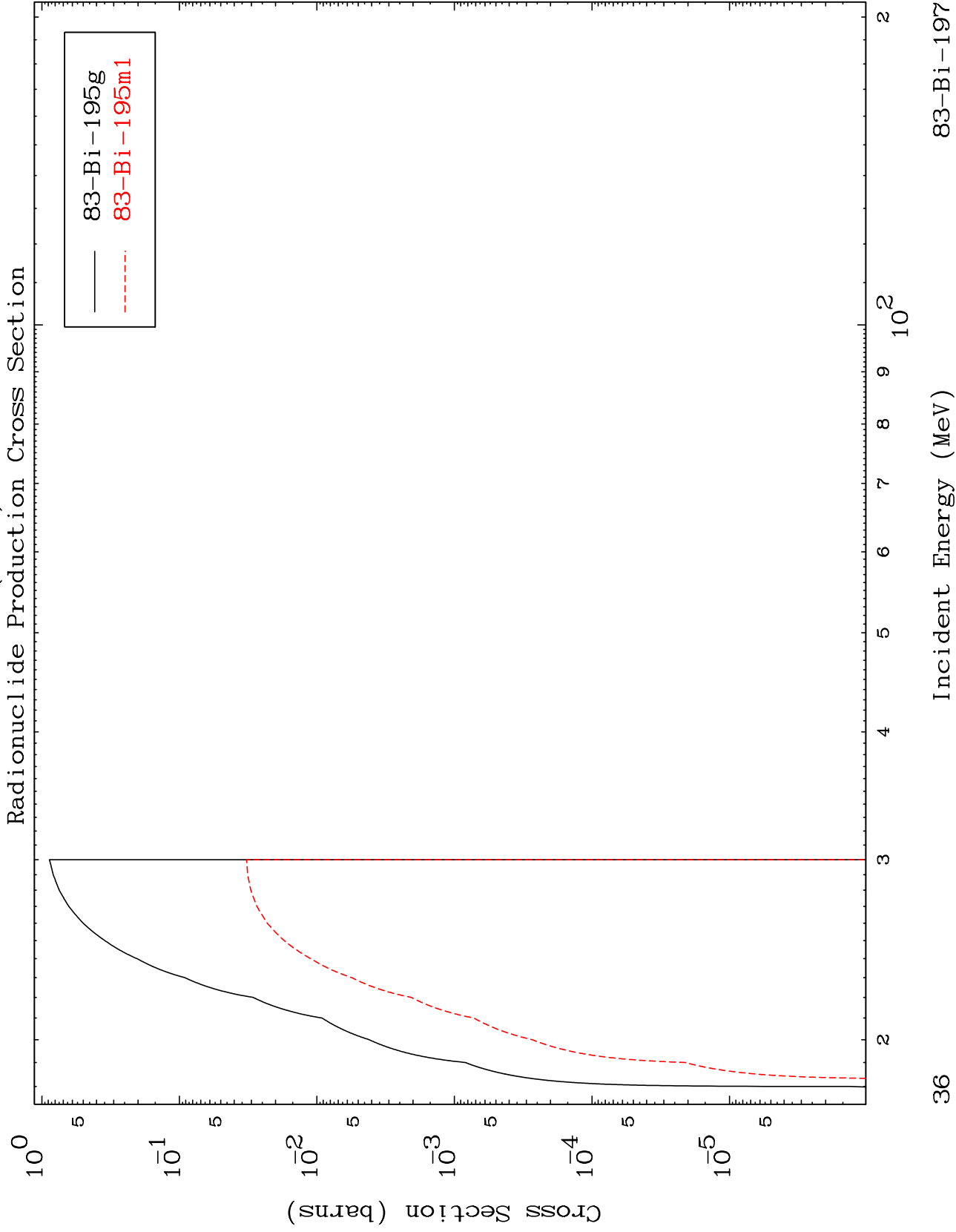
Incident Energy (MeV)

35

MAT 8289

(n,3n)

83-Bi-197



36

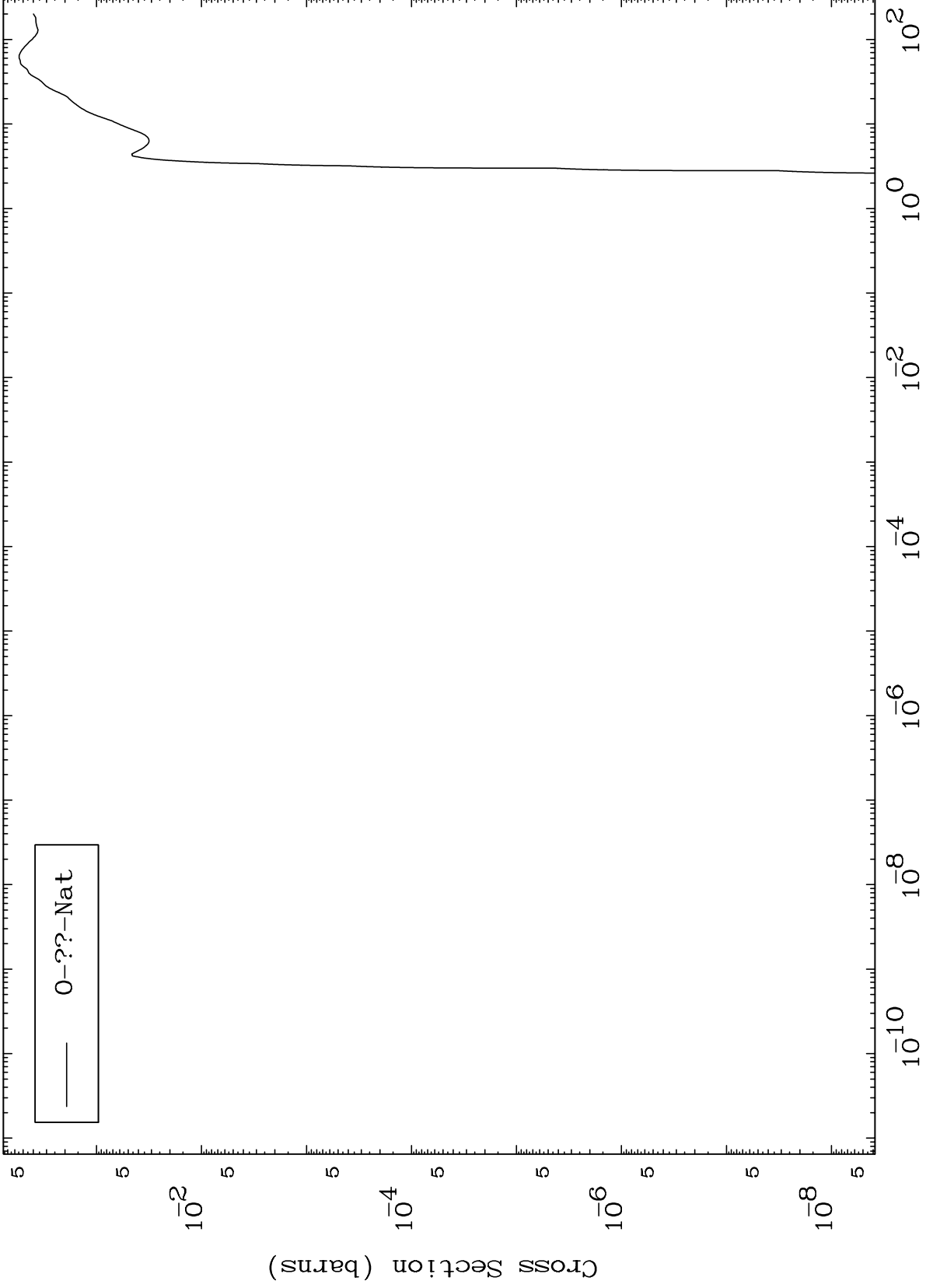
83-Bi-197

MAT 8289

Fission

83-Bi-197

Radionuclide Production Cross Section



37

Incident Energy (MeV)

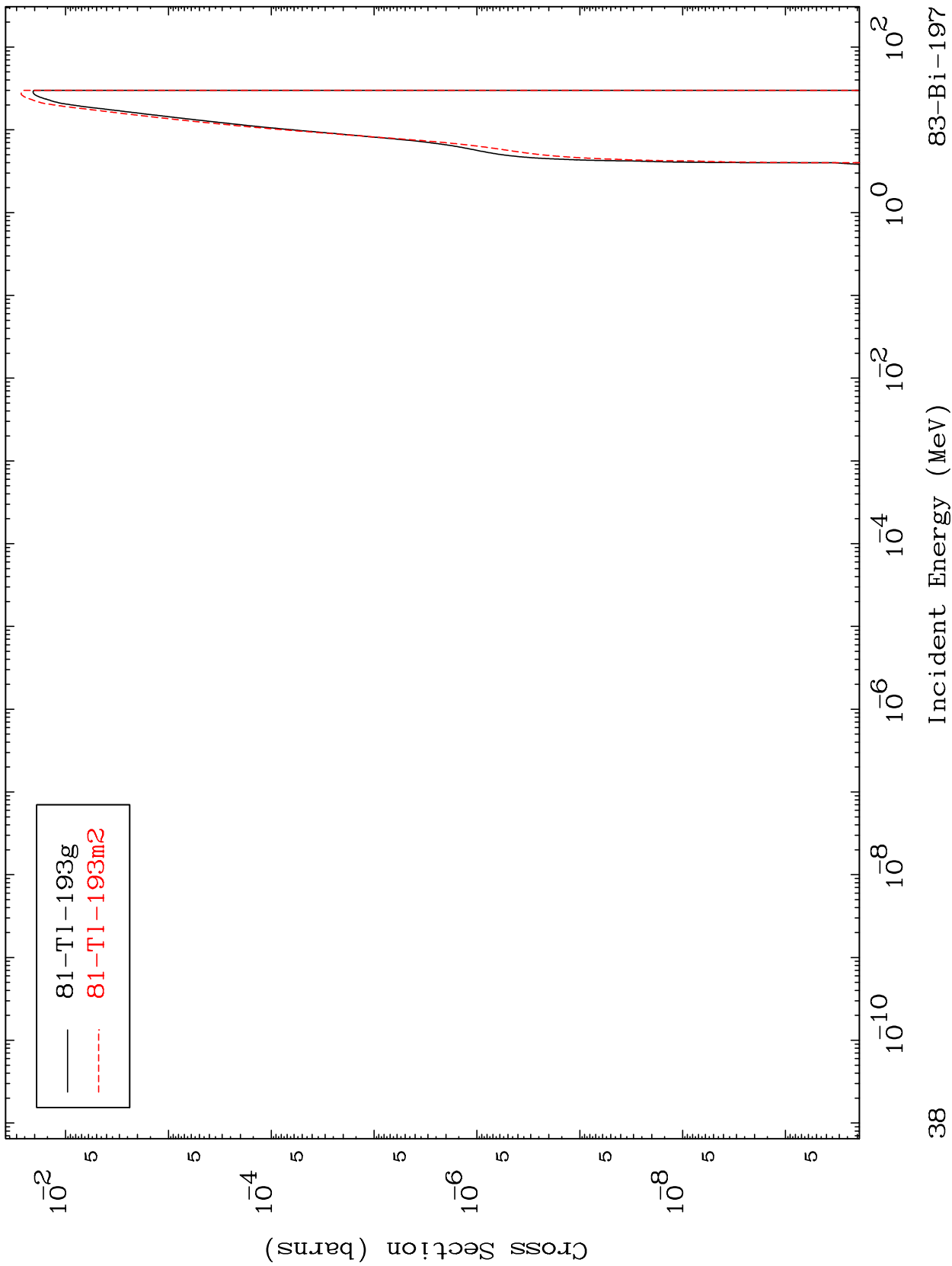
83-Bi-197

MAT 8289

$(n, n') \alpha$

83-Bi-197

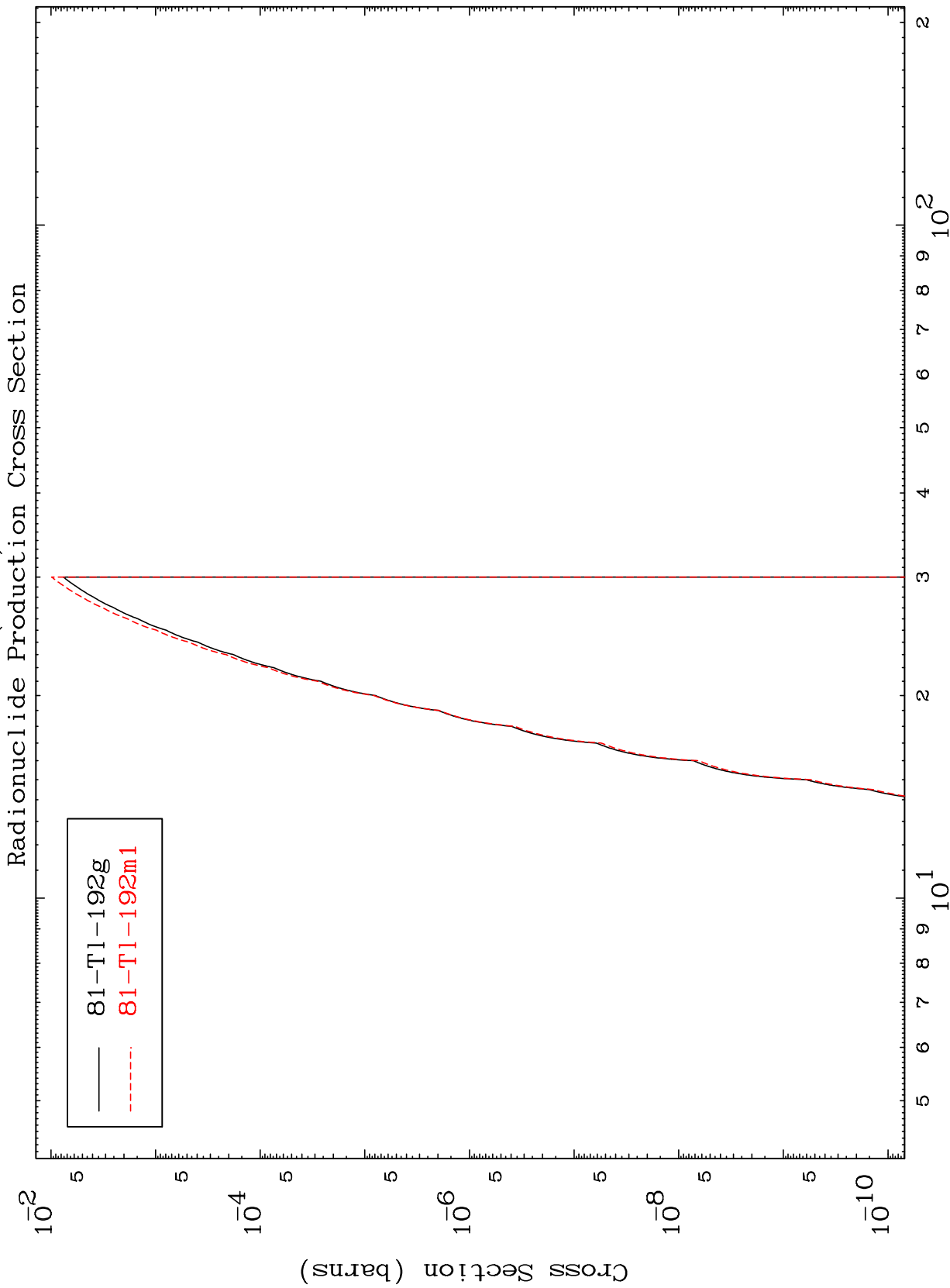
Radionuclide Production Cross Section



MAT 8289

$(n,2n) \alpha$

83-Bi-197



39

Incident Energy (MeV)

83-Bi-197

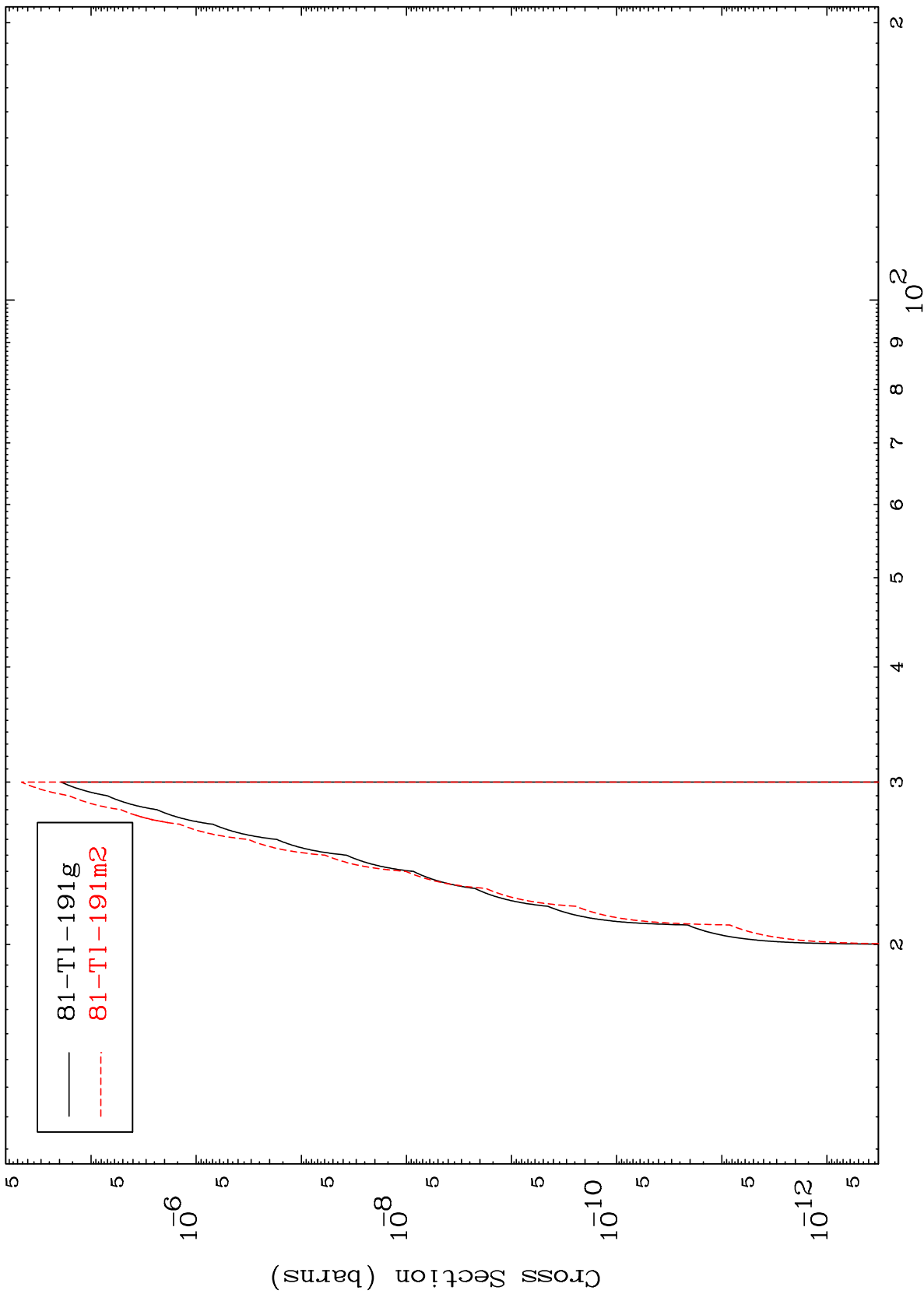


MAT 8289

(n,3n)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-197

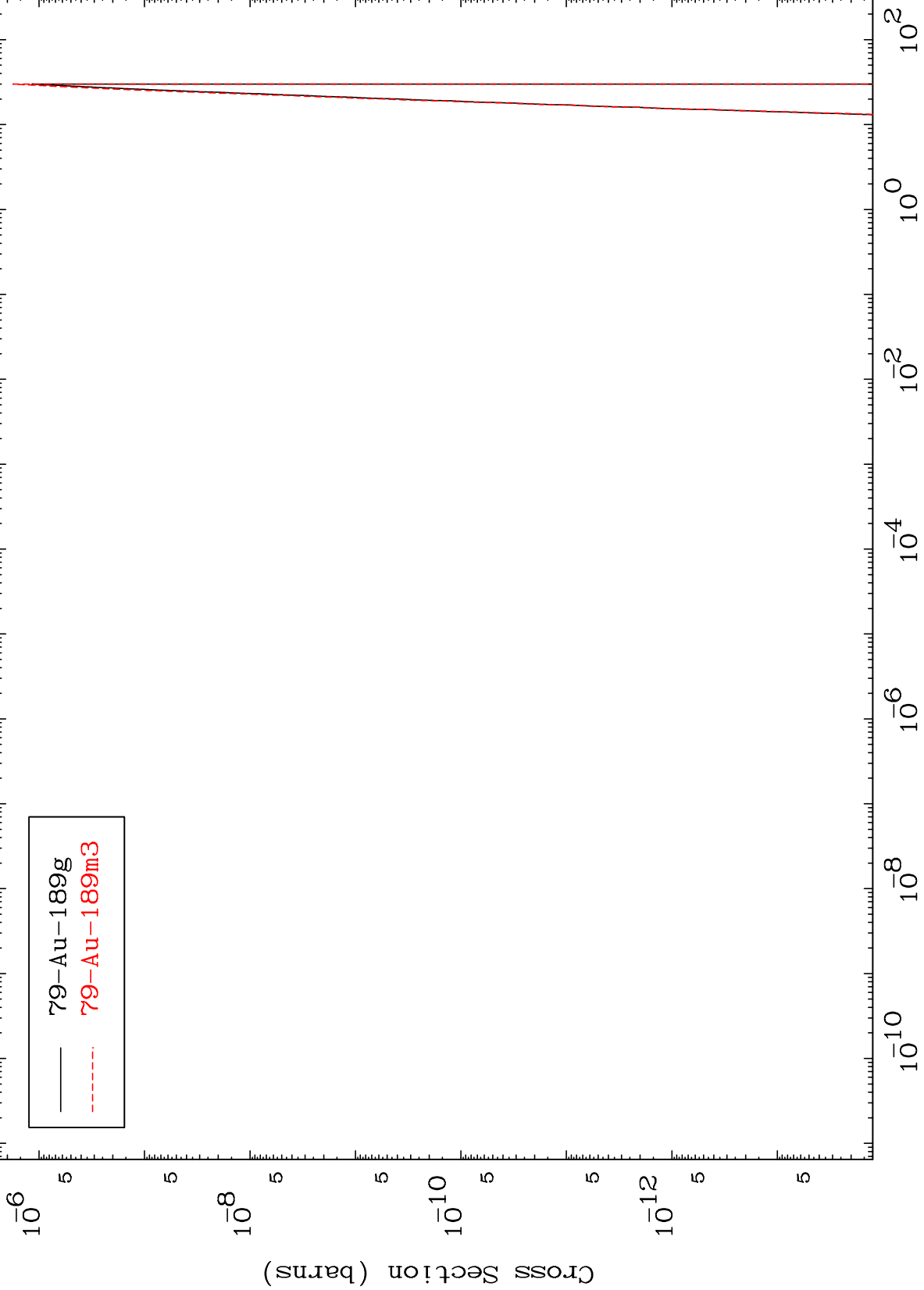
40

MAT 8289

(n,n') 2α

83-Bi-197

Radionuclide Production Cross Section



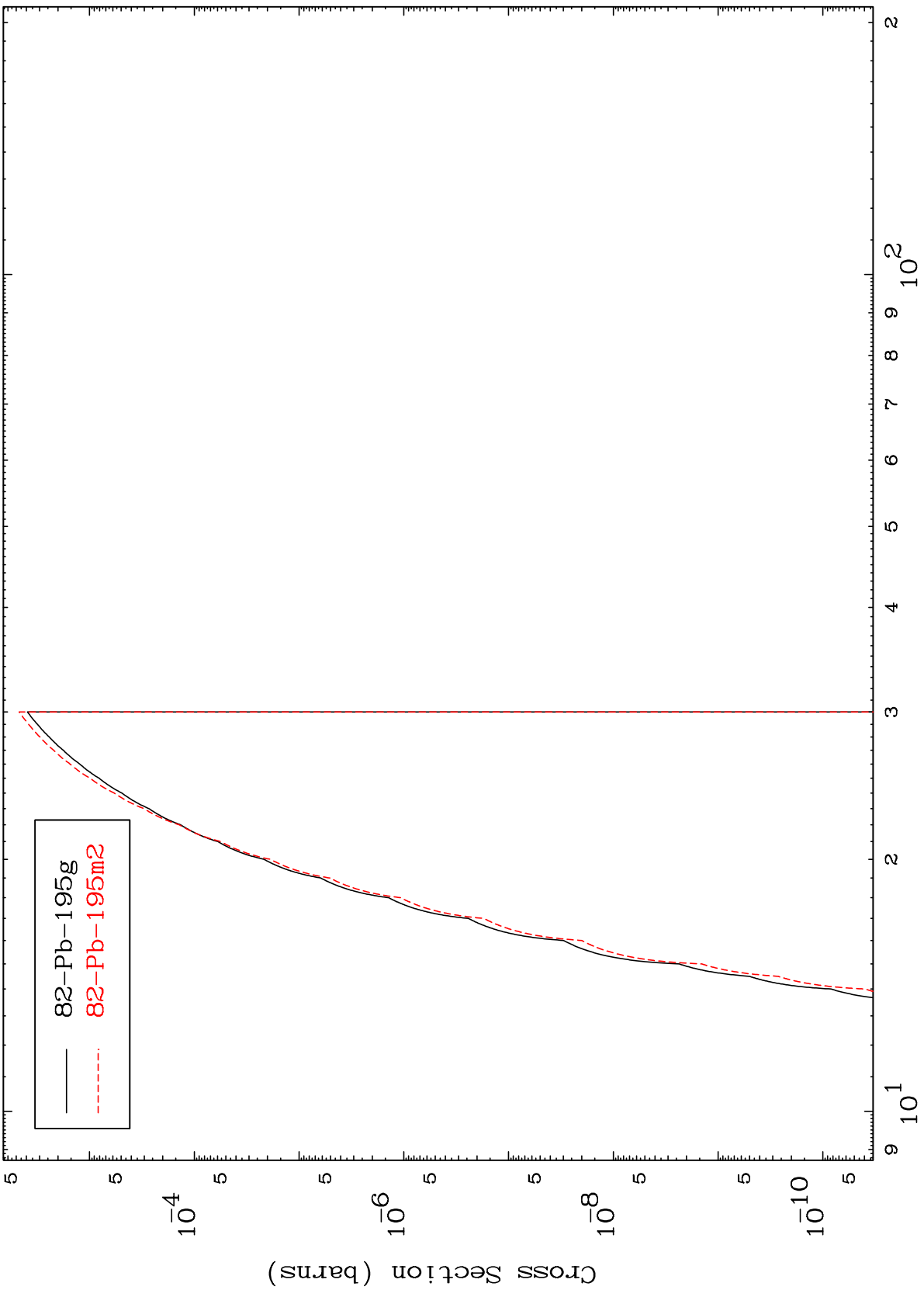
79-Au-189g  
79-Au-189m3

MAT 8289

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



Incident Energy (MeV)

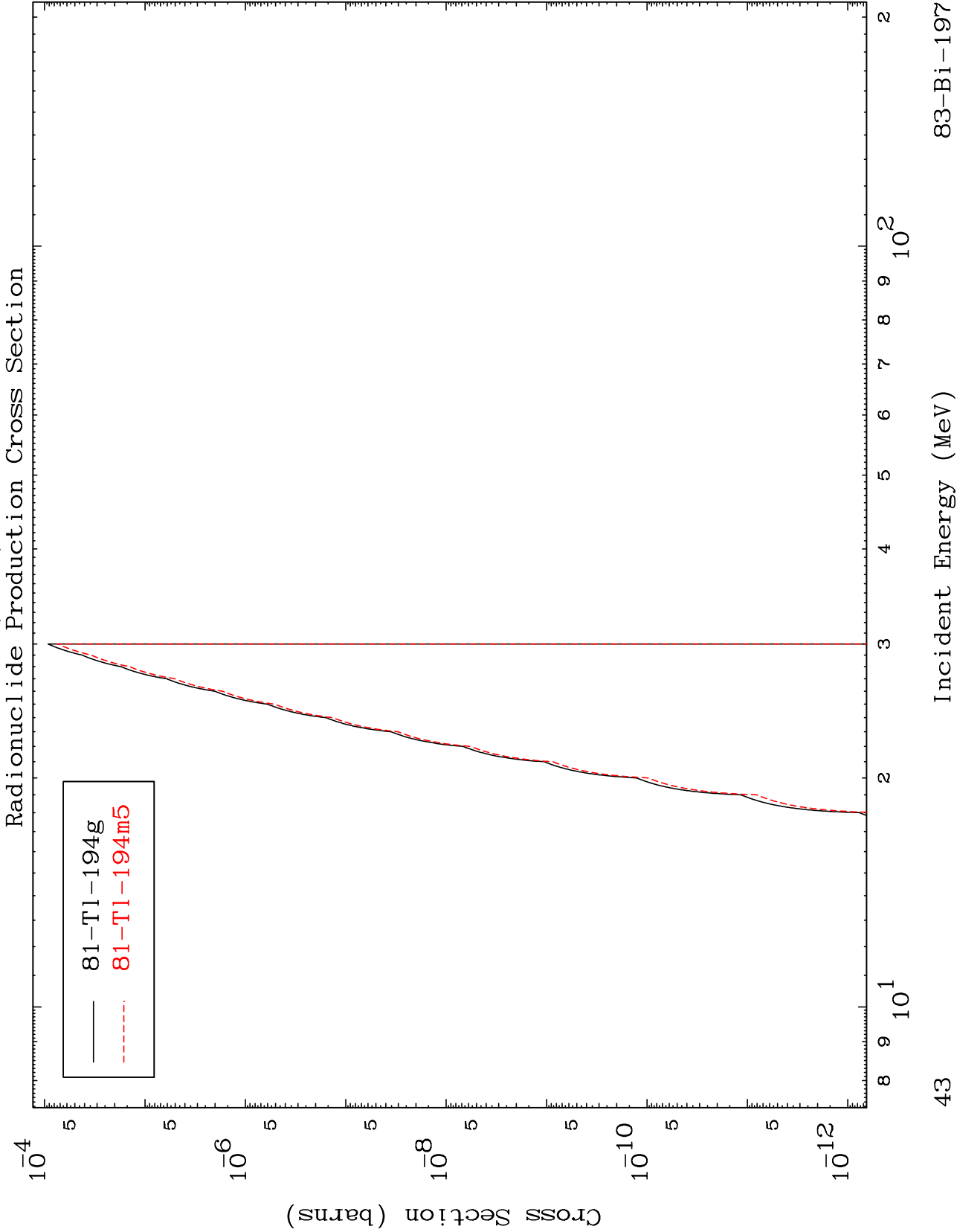
83-Bi-197

42

MAT 8289

(n,n') He-3

83-Bi-197



43

Incident Energy (MeV)

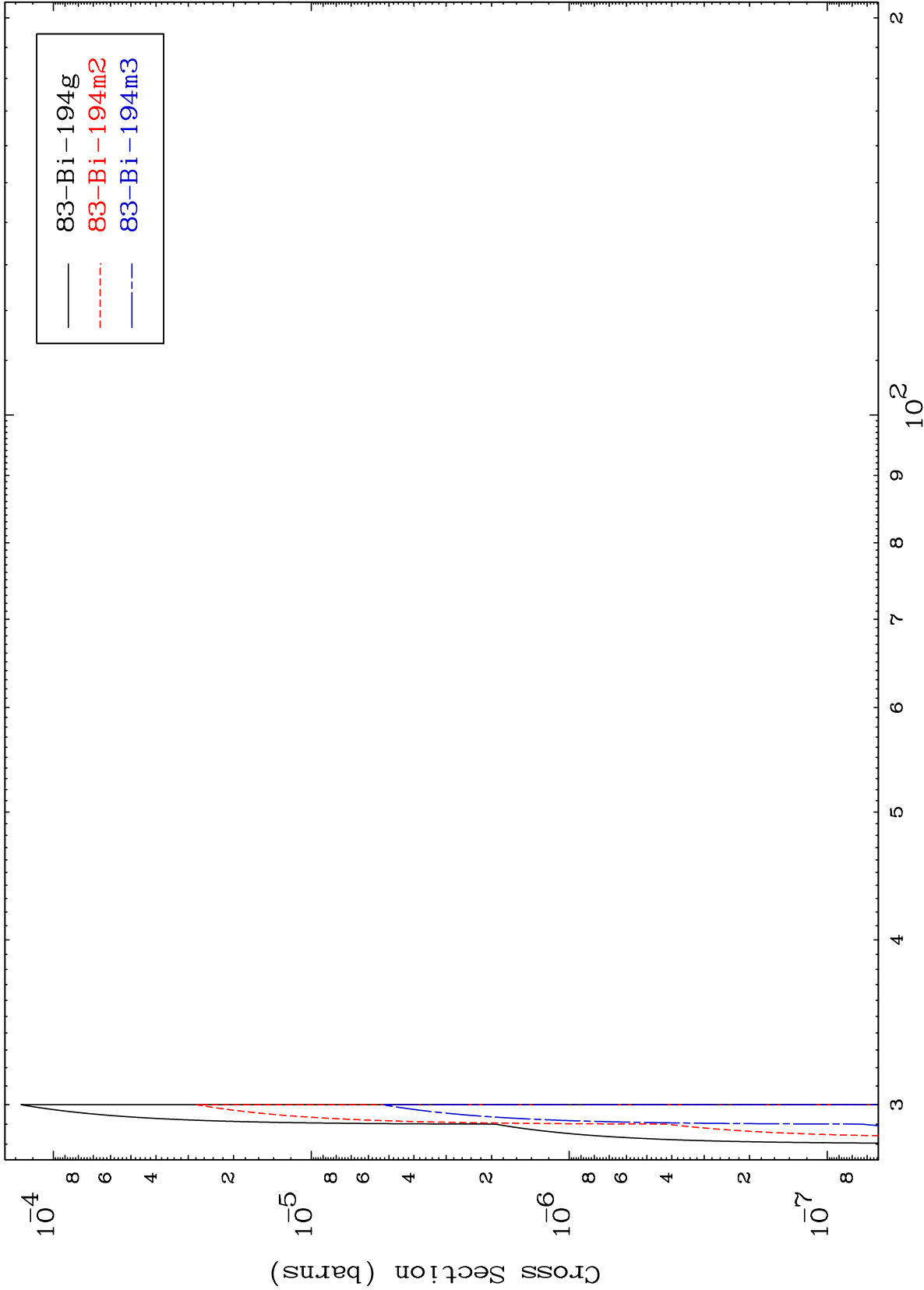
83-Bi-197

MAT 8289

(n,4n)

83-Bi-197

Radionuclide Production Cross Section



44

Incident Energy (MeV)

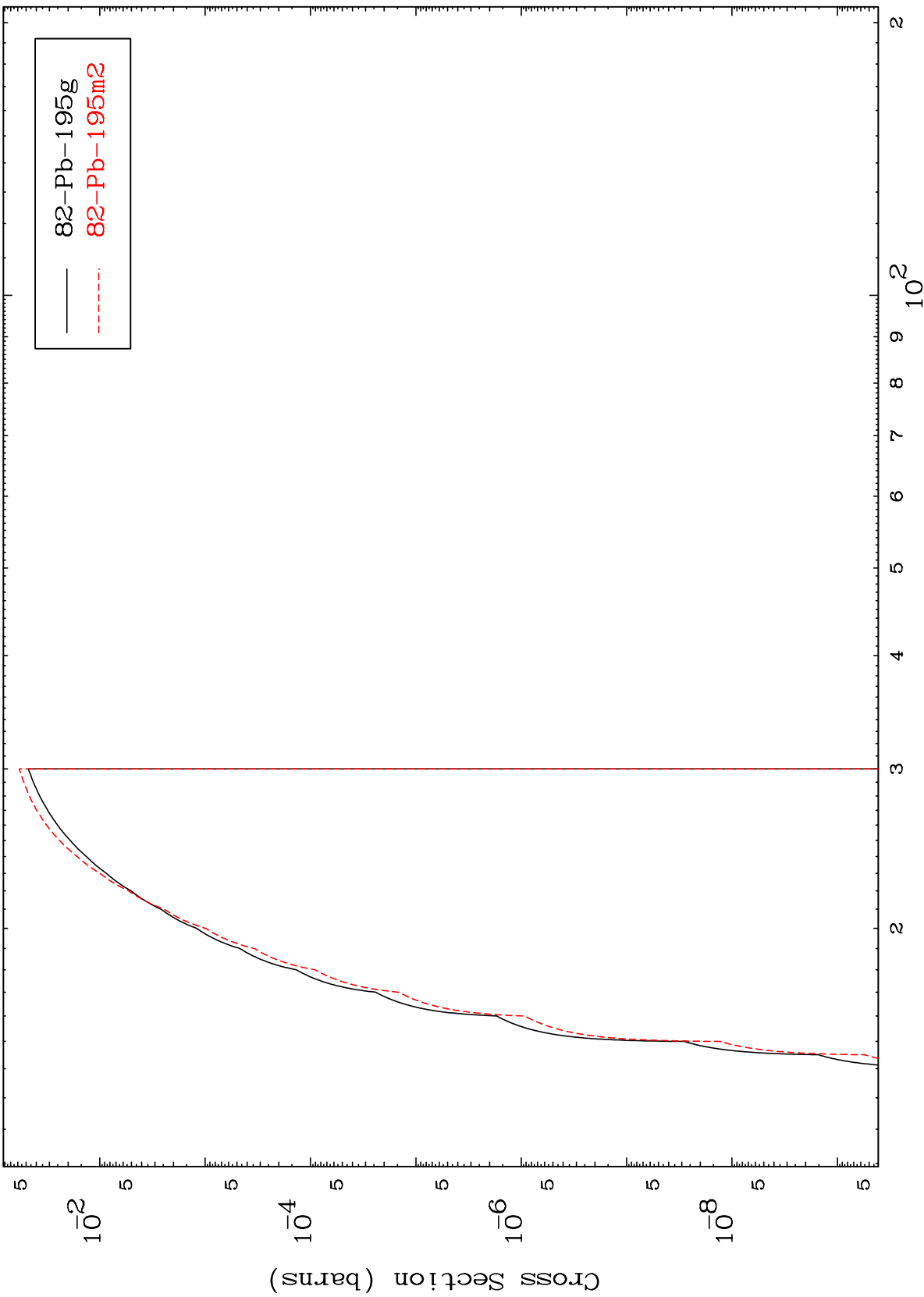
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



82-Pb-195g  
82-Pb-195m2

45

Incident Energy (MeV)

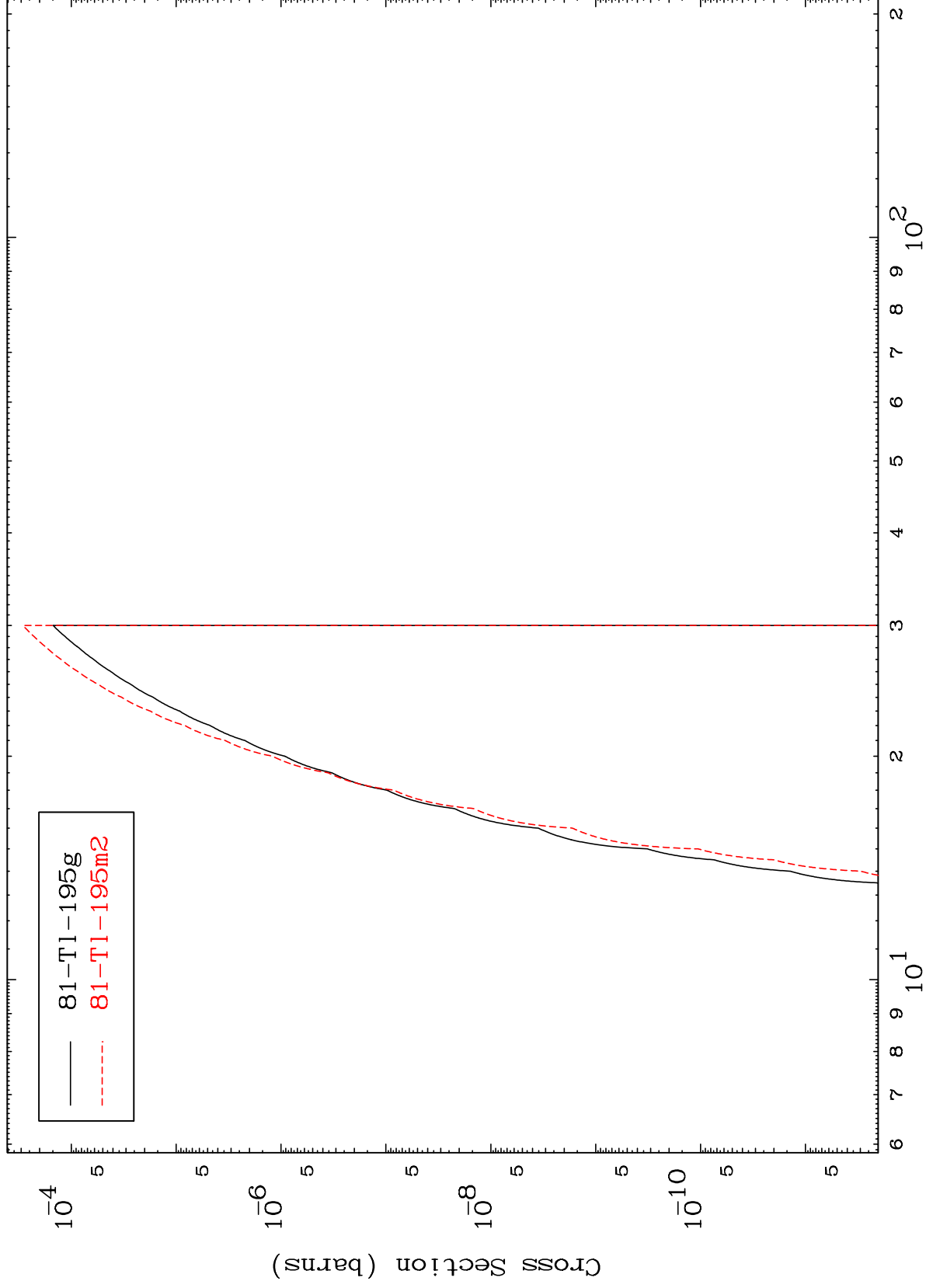
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



46

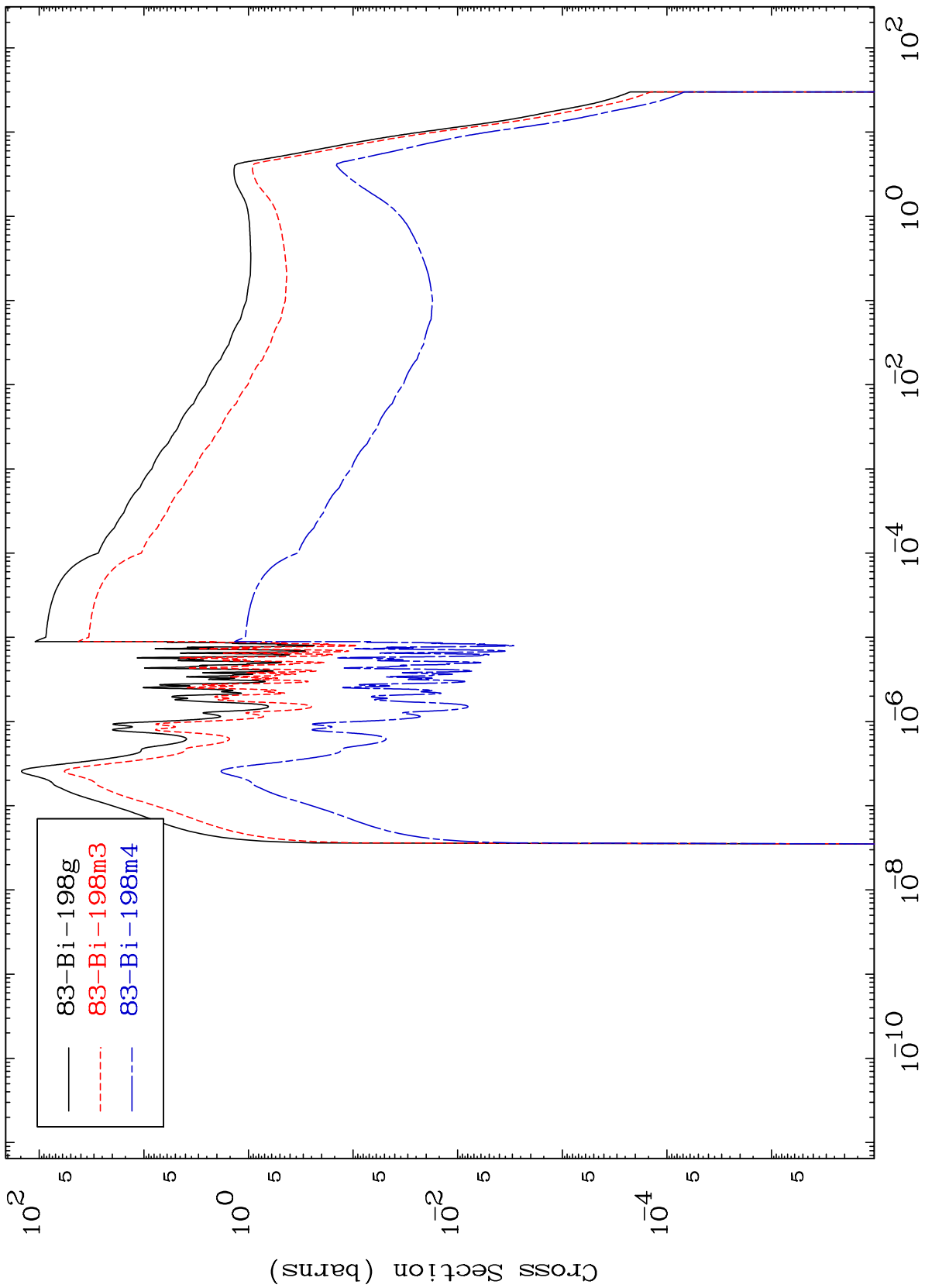
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

Radionuclide Production Cross Section  
(n,  $\gamma$ )



83-Bi-198g  
83-Bi-198m3  
83-Bi-198m4

83-Bi-197

Incident Energy (MeV)

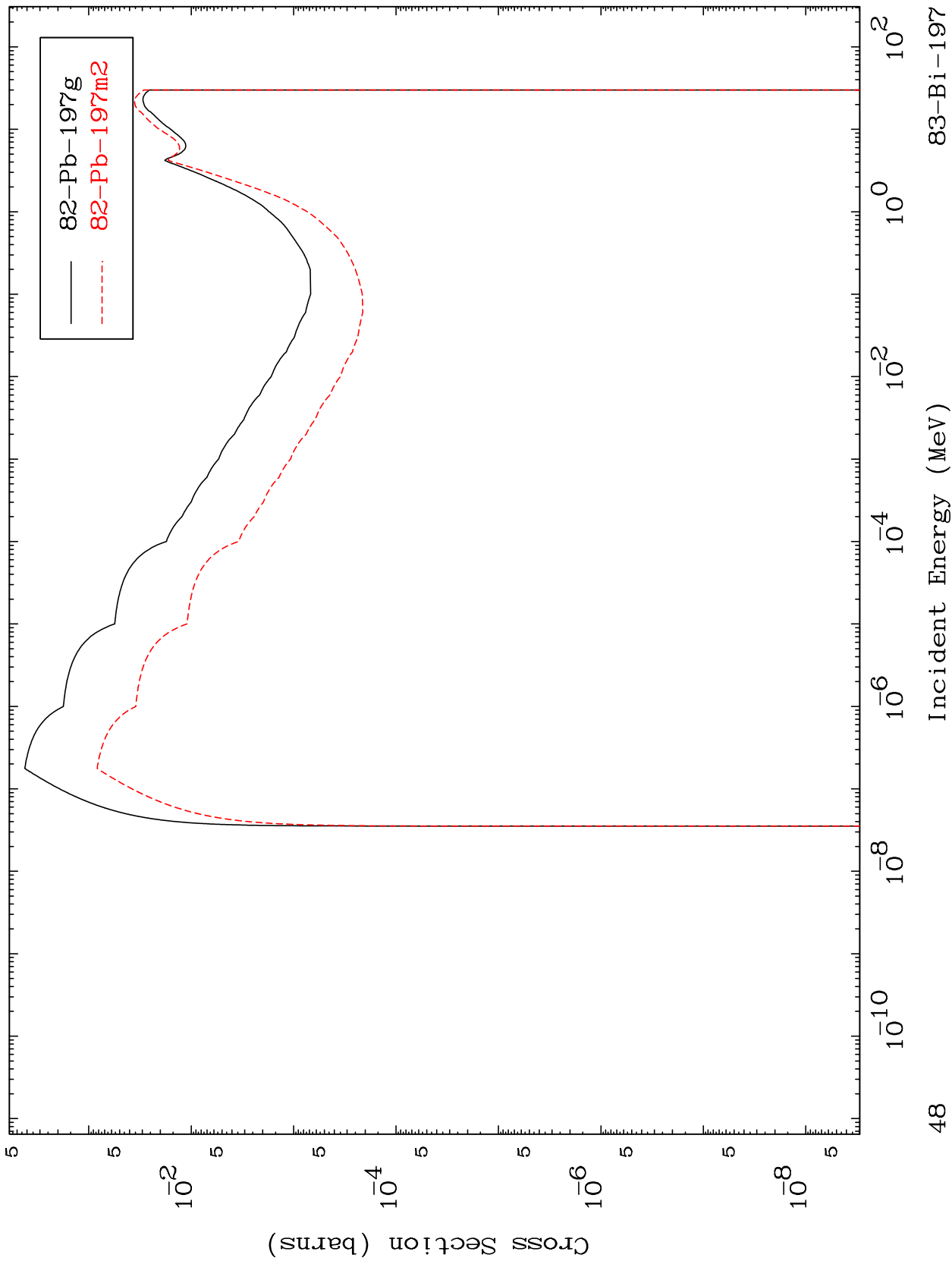
47



MAT 8289

83-Bi-197

(n,p)  
Radionuclide Production Cross Section

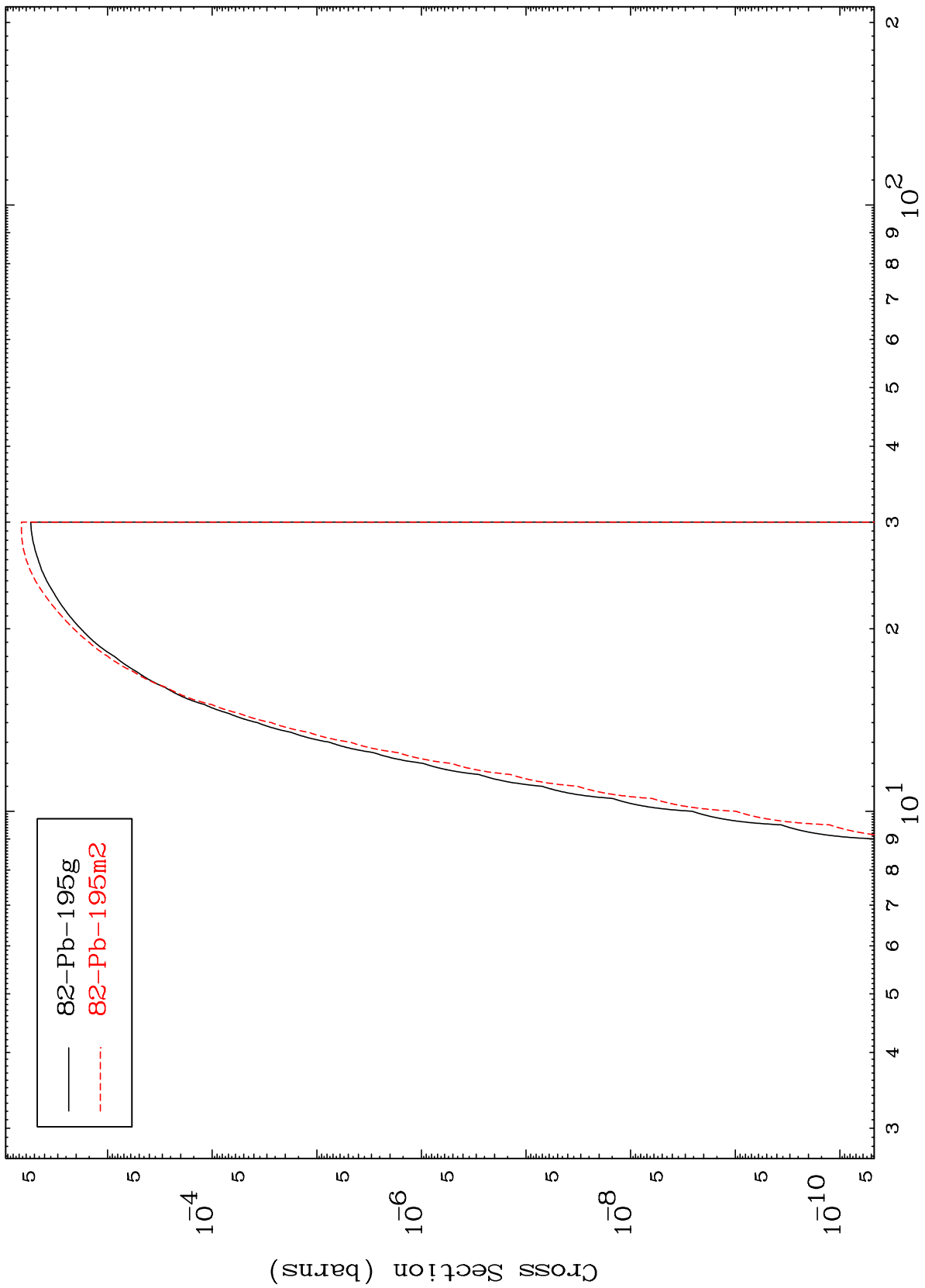


48

MAT 8289

83-Bi-197

(n, t)  
Radionuclide Production Cross Section



49

Incident Energy (MeV)

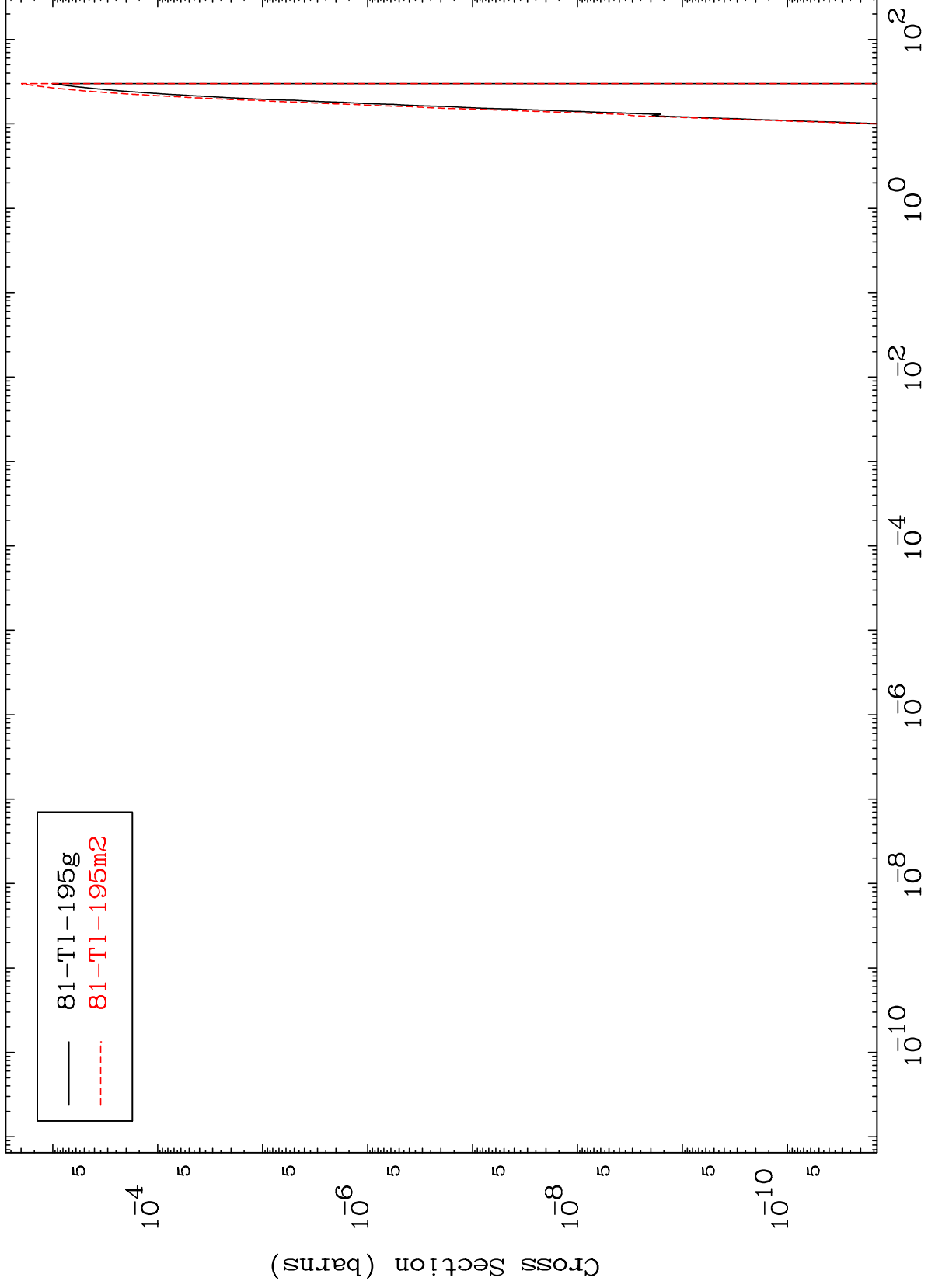
83-Bi-197

MAT 8289

(n,He-3)

83-Bi-197

Radionuclide Production Cross Section



50

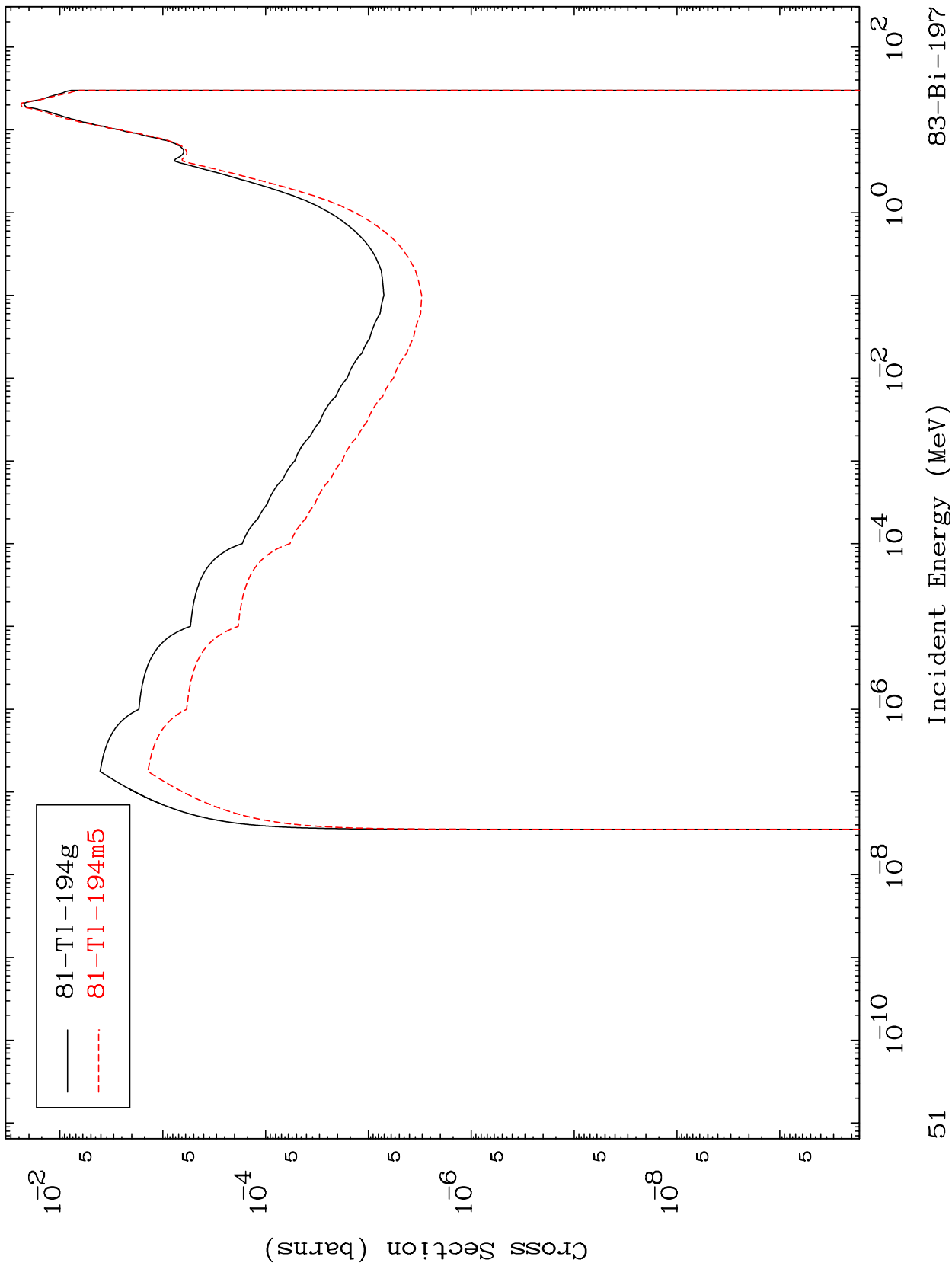
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

Radionuclide Production Cross Section  
(n,  $\alpha$ )

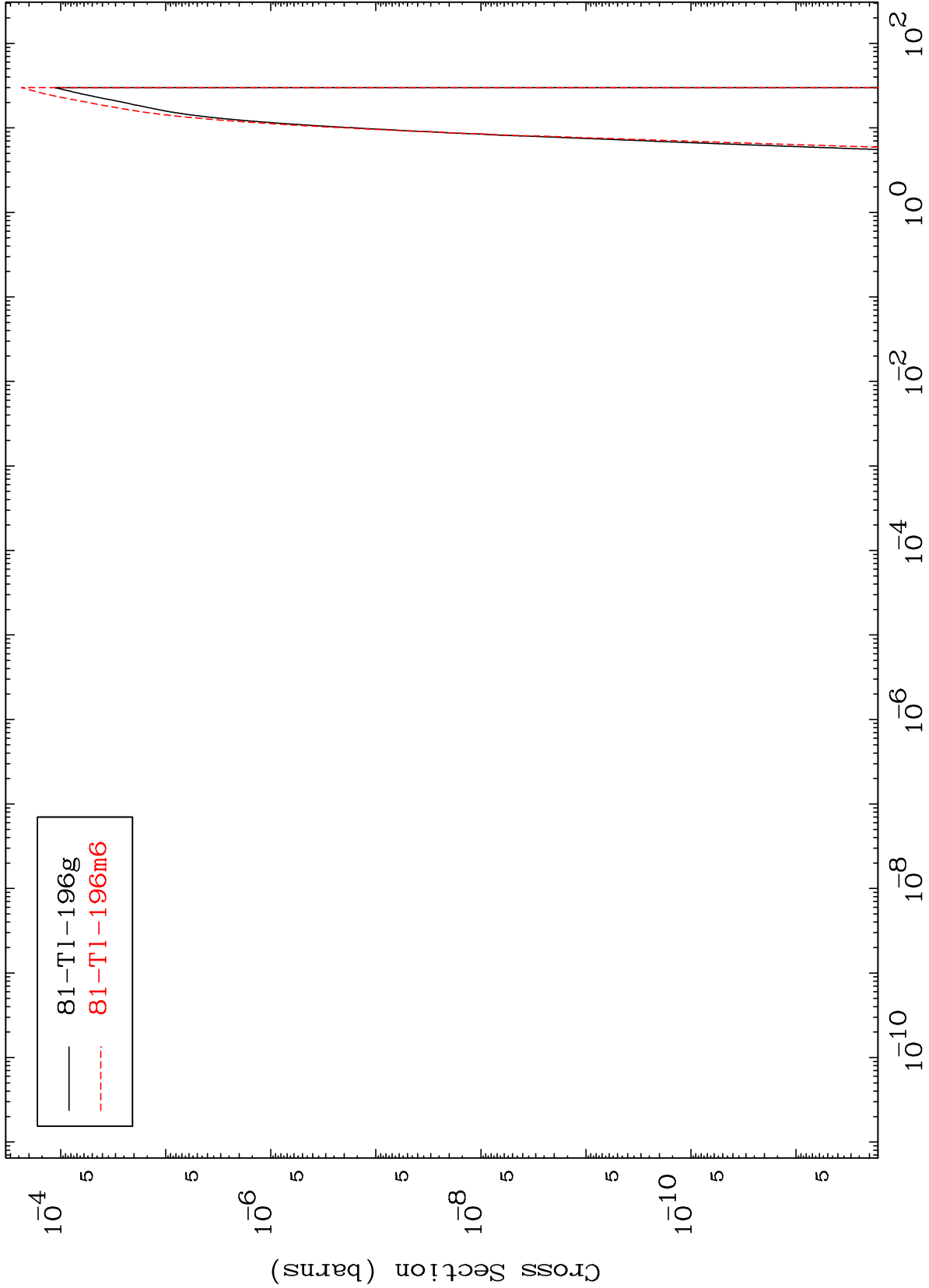


MAT 8289

(n,2p)

83-Bi-197

Radionuclide Production Cross Section

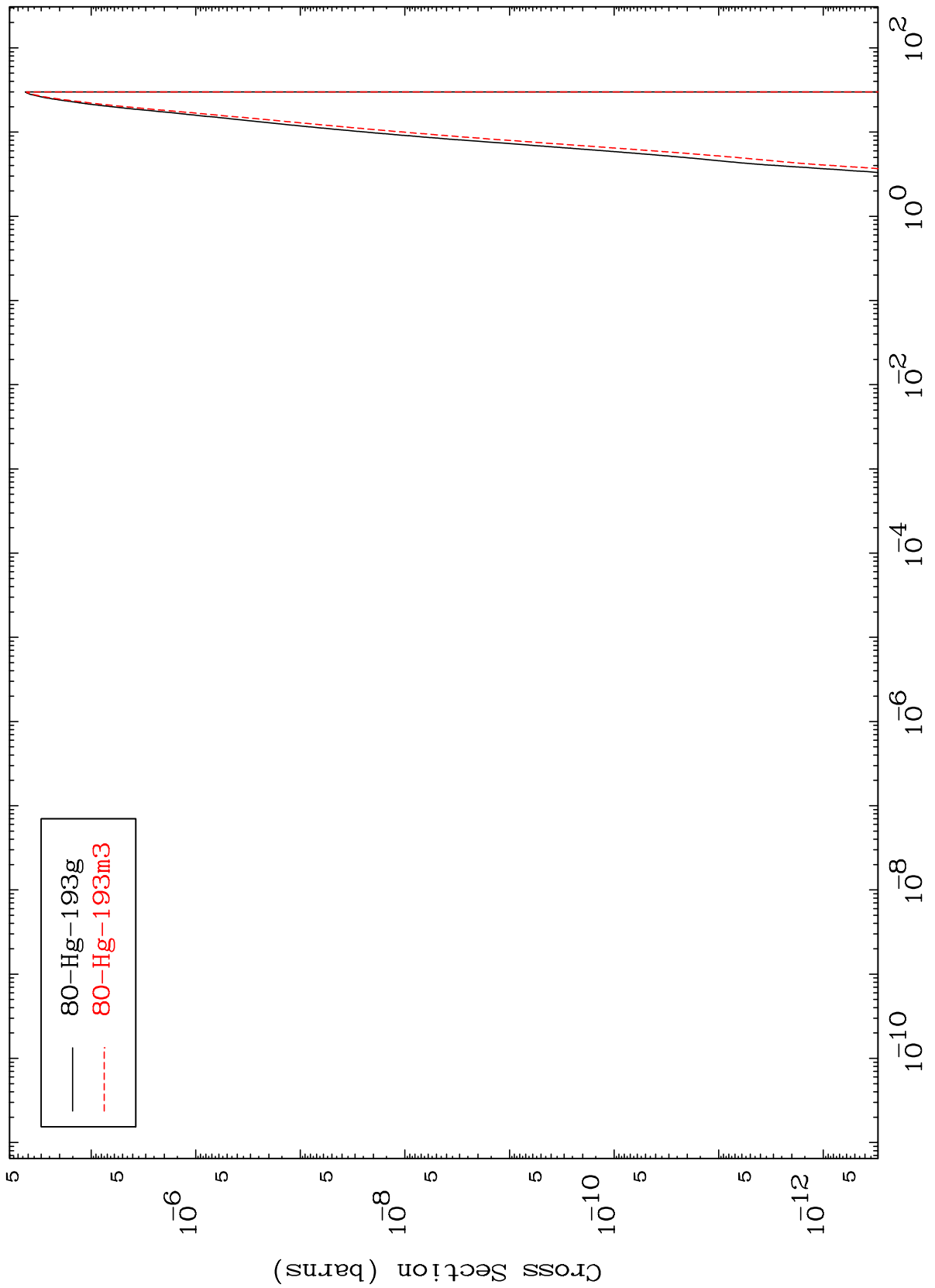


MAT 8289

(n,p)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section

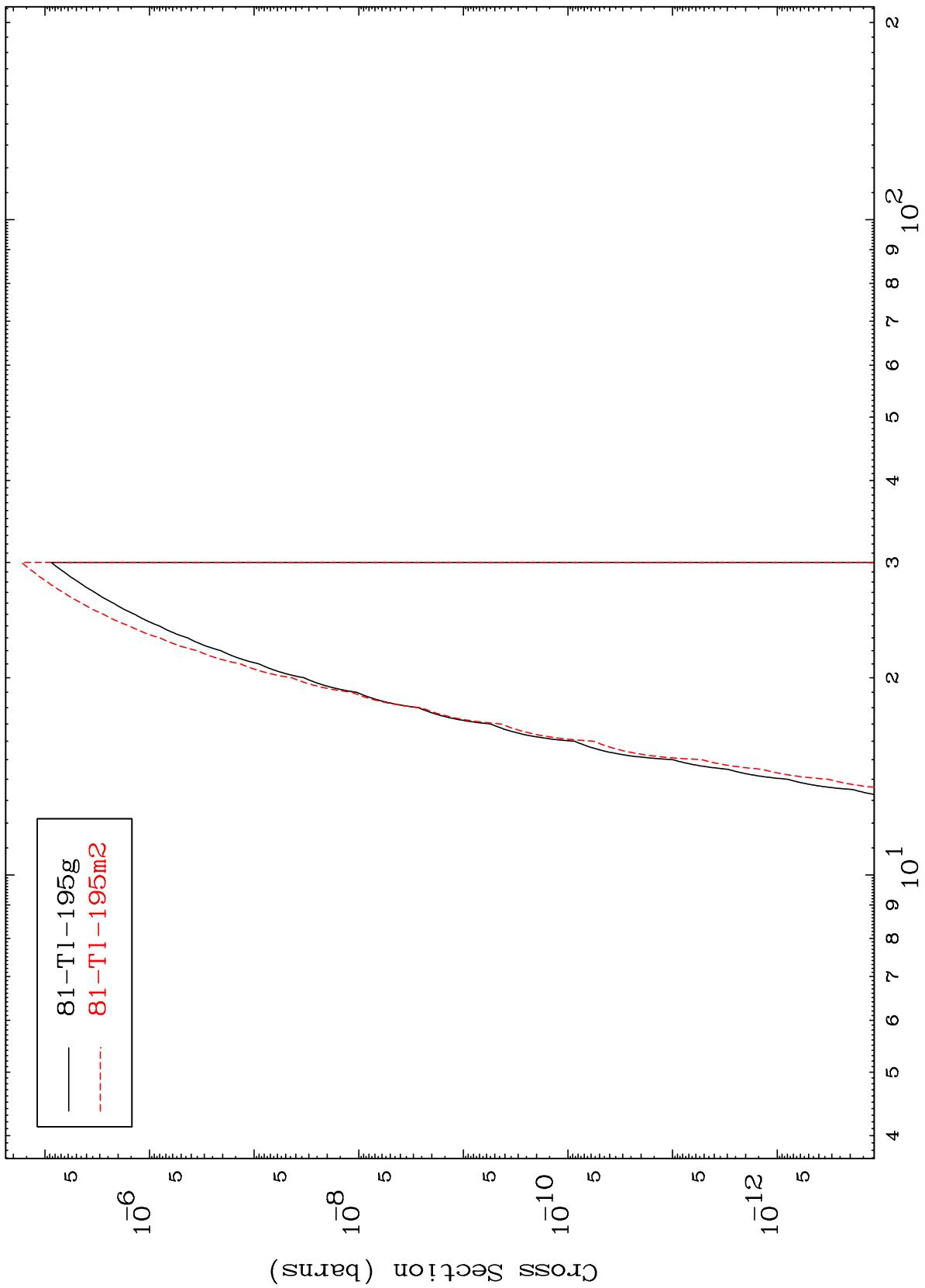


MAT 8289

(n,p) d

83-Bi-197

Radionuclide Production Cross Section



54

Incident Energy (MeV)

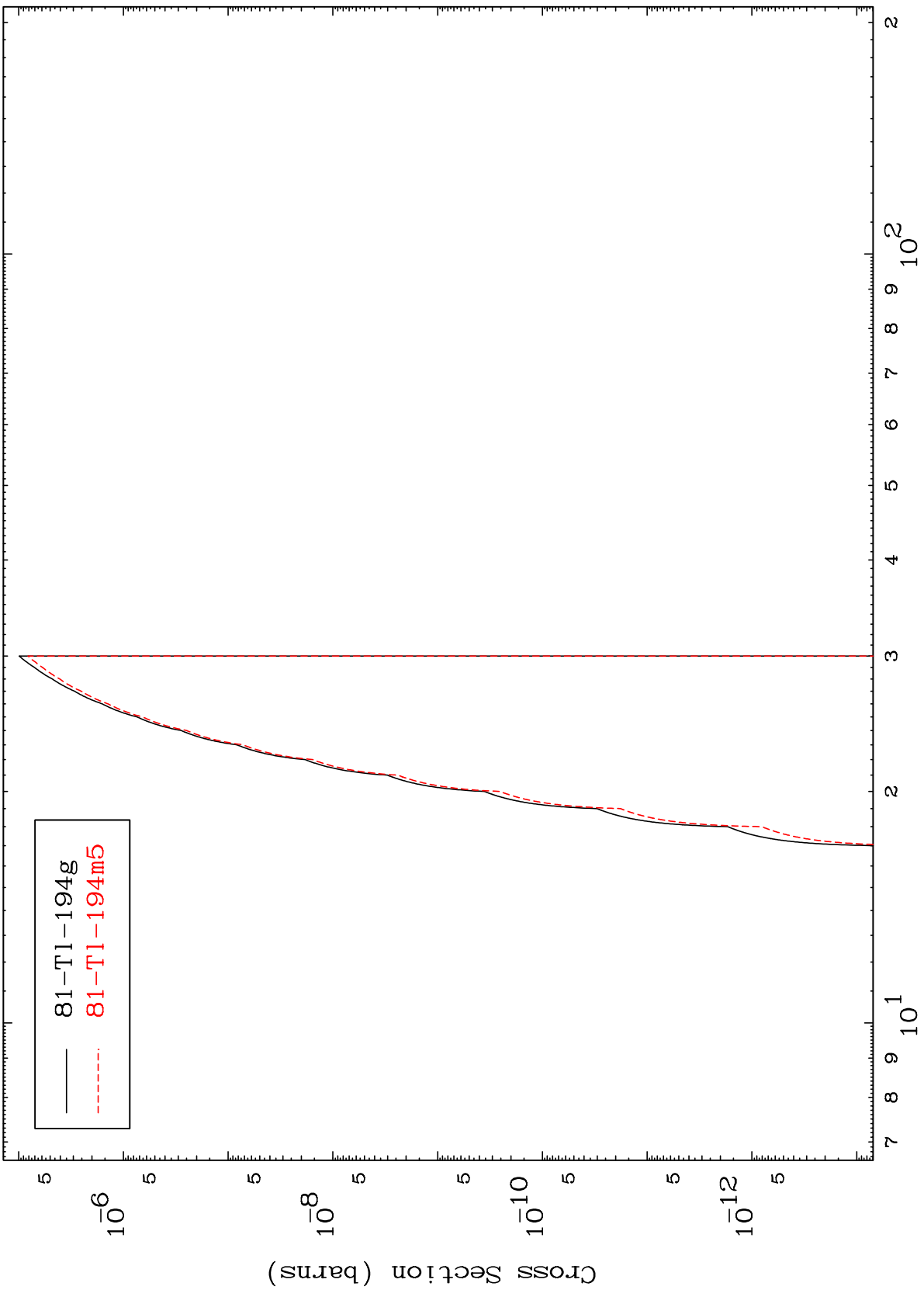
83-Bi-197

MAT 8289

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



55

Incident Energy (MeV)

83-Bi-197