

Program EVALPLOT  
(Version 2021-1)

by

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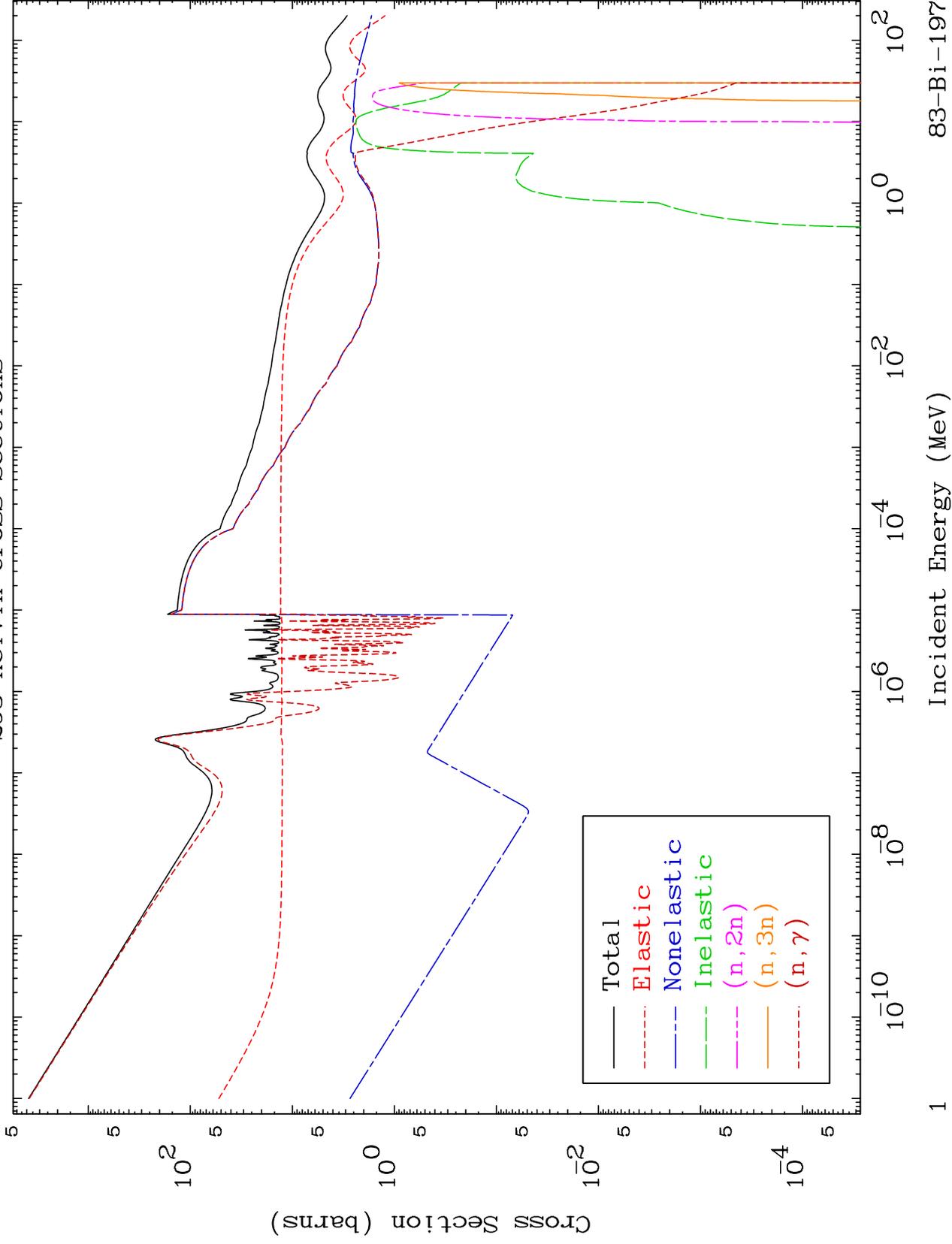
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Press Mouse Button to Start

MAT 8289

Neutron Major  
293 Kelvin Cross Sections

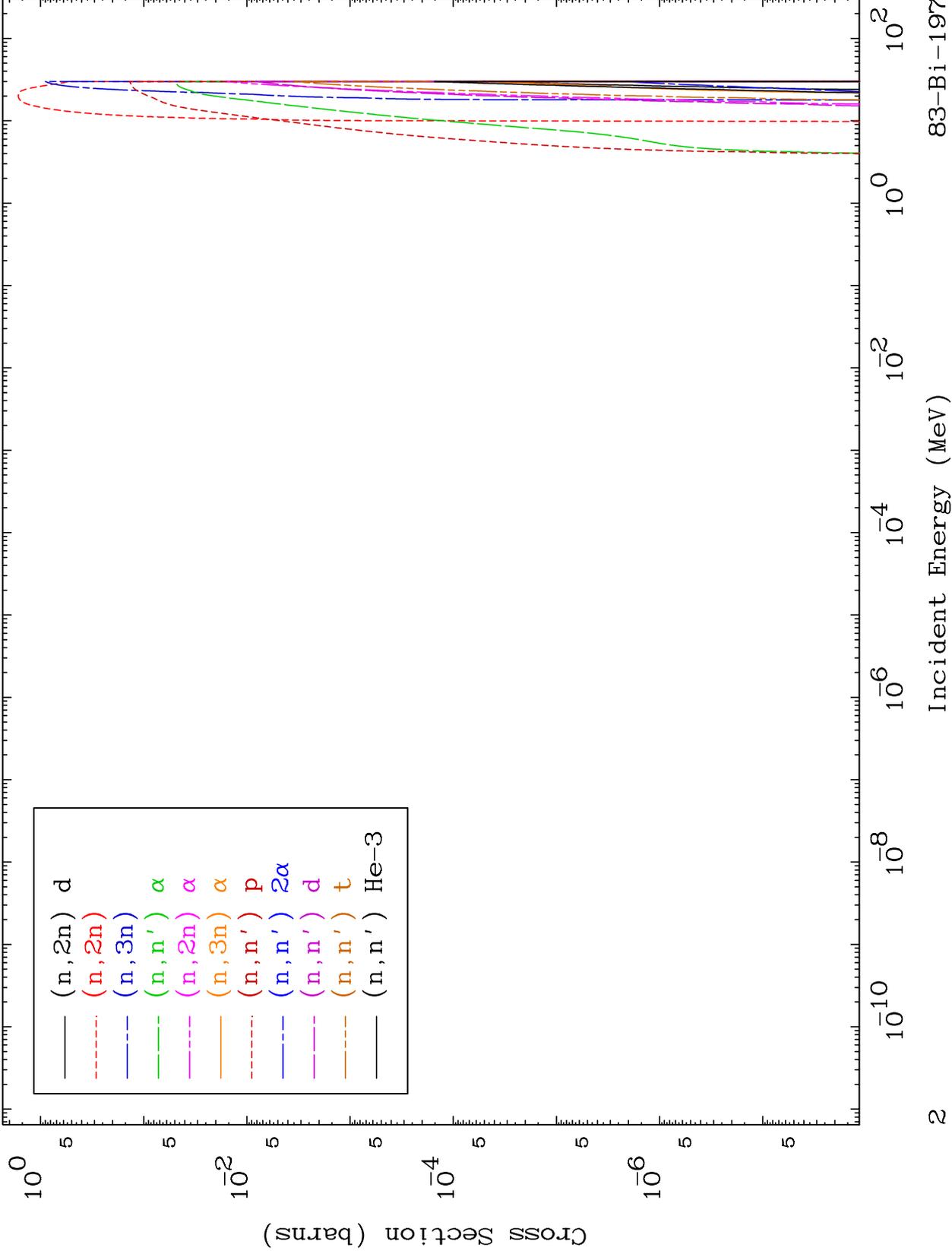
83-Bi-197



MAT 8289

Neutron Absorption  
293 Kelvin Cross Sections

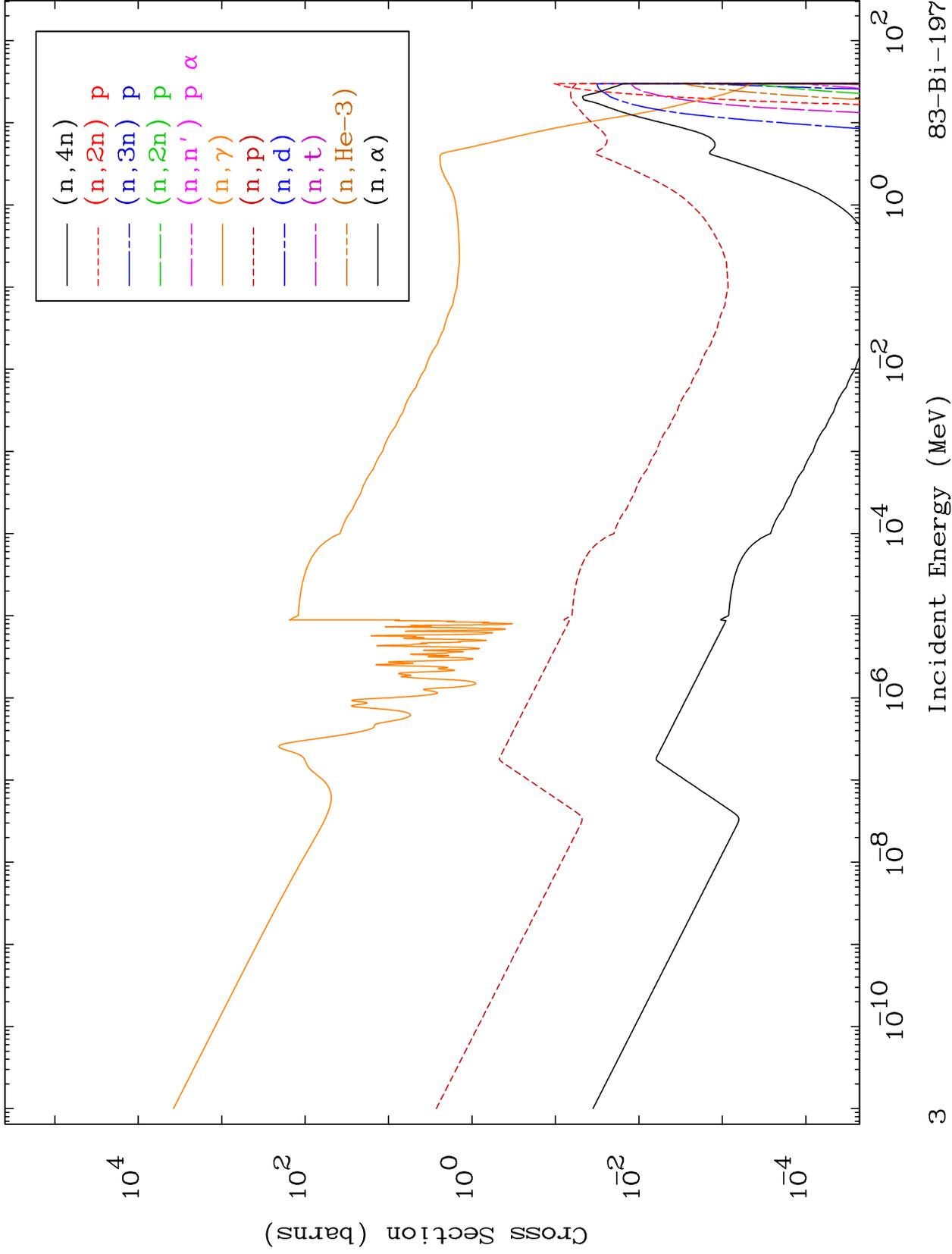
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MAT 8289

Neutron Absorption  
293 Kelvin Cross Sections

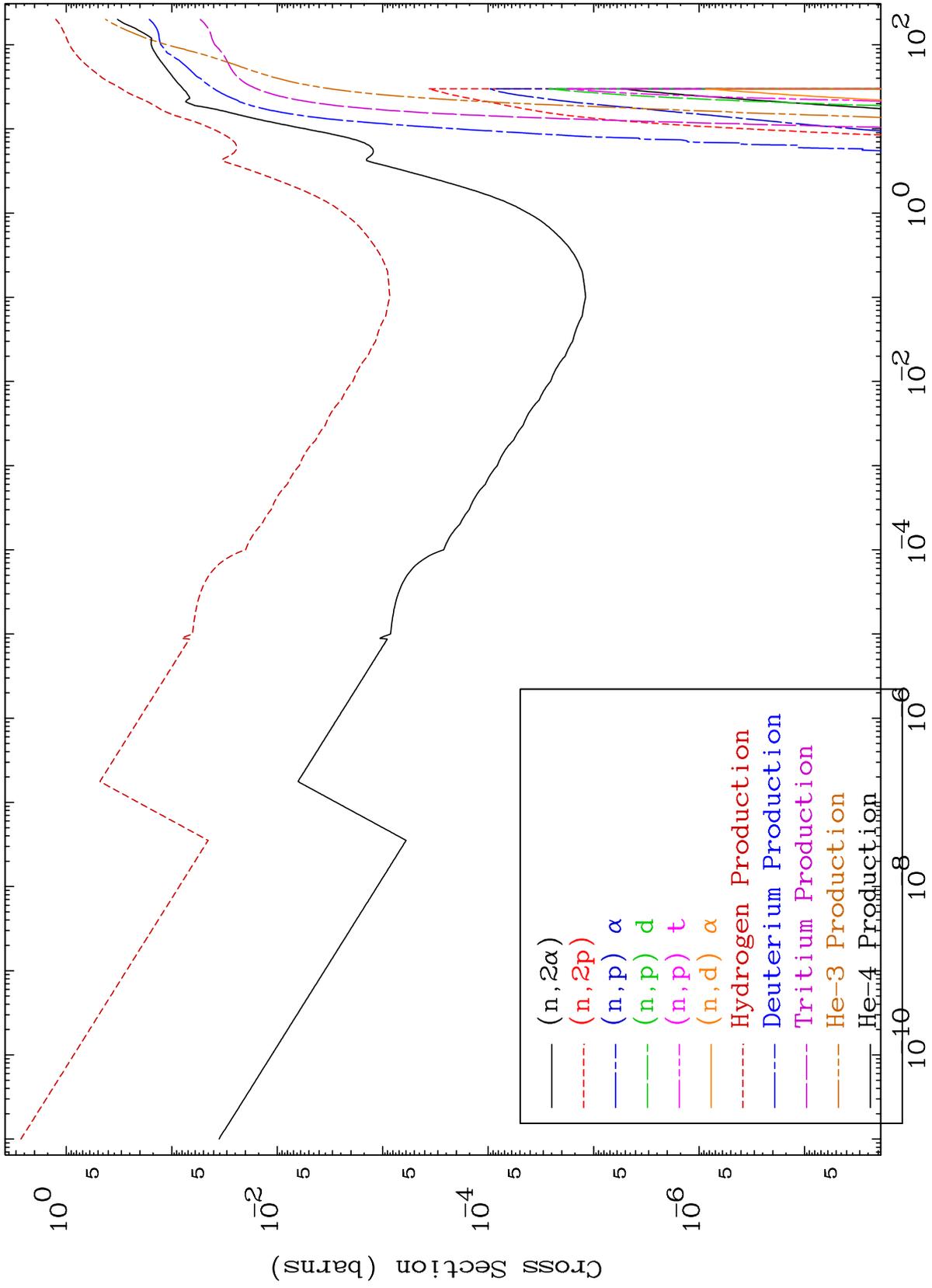
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MAT 8289

Neutron Absorption  
293 Kelvin Cross Sections

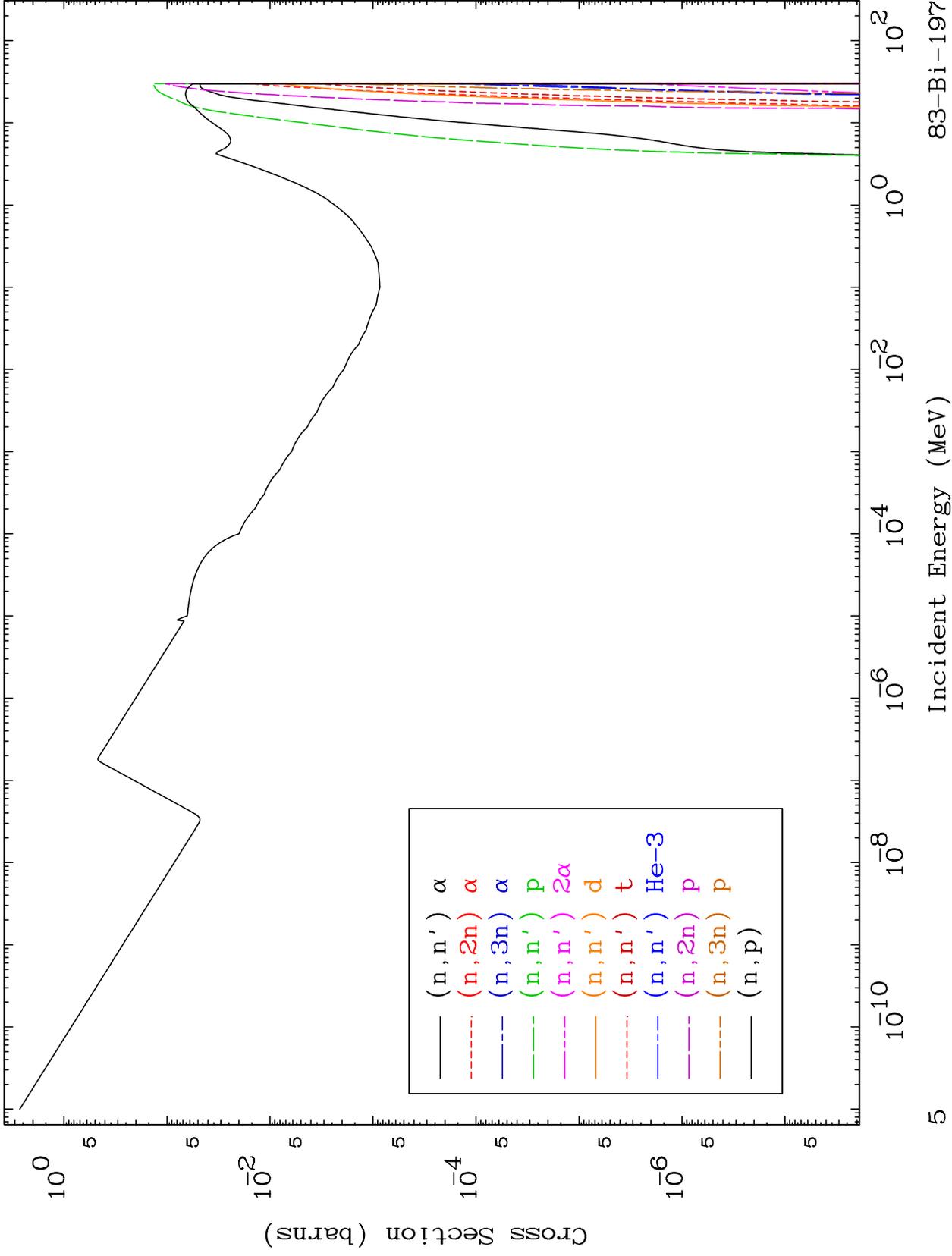
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MAT 8289

Charged Particle  
293 Kelvin Cross Sections

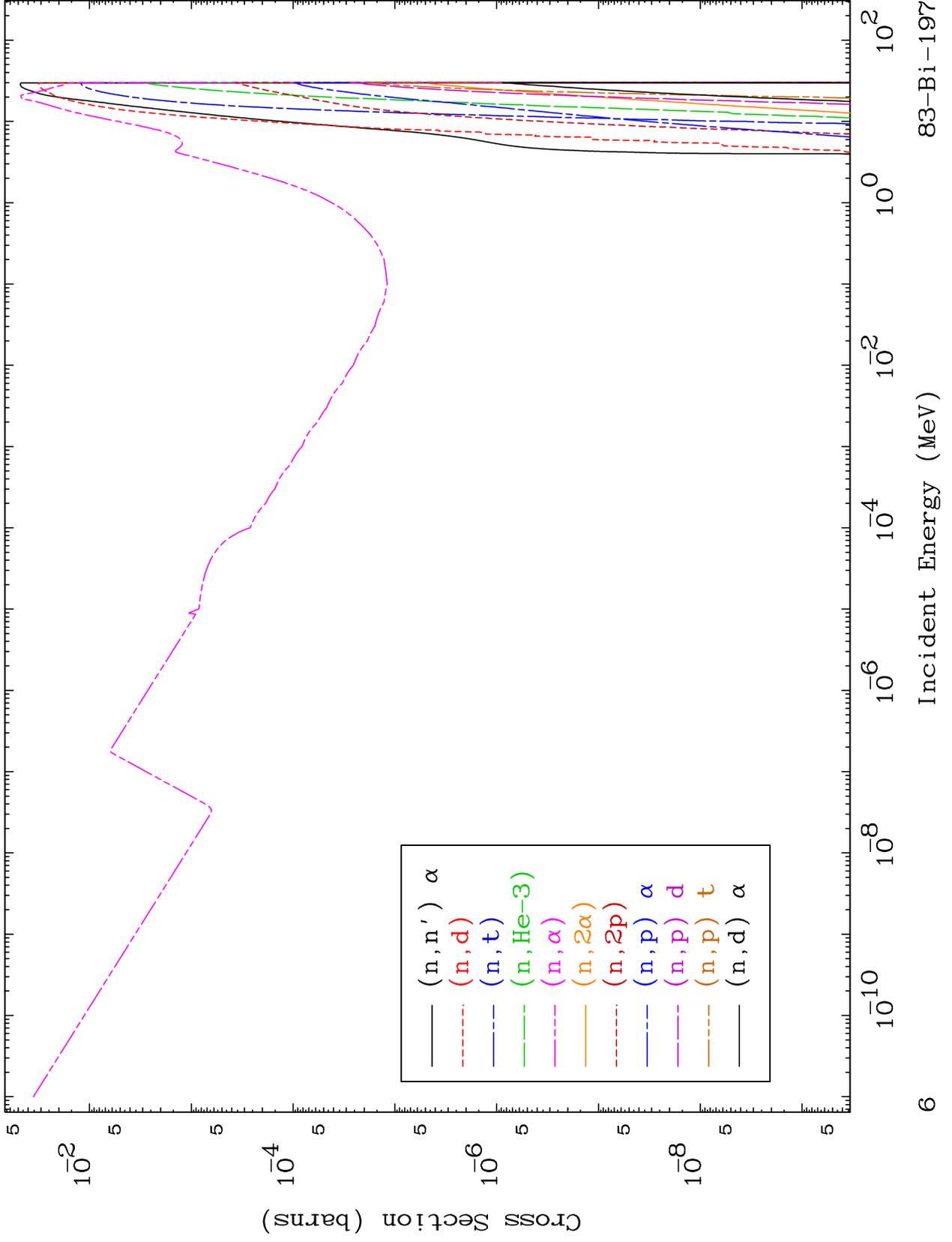
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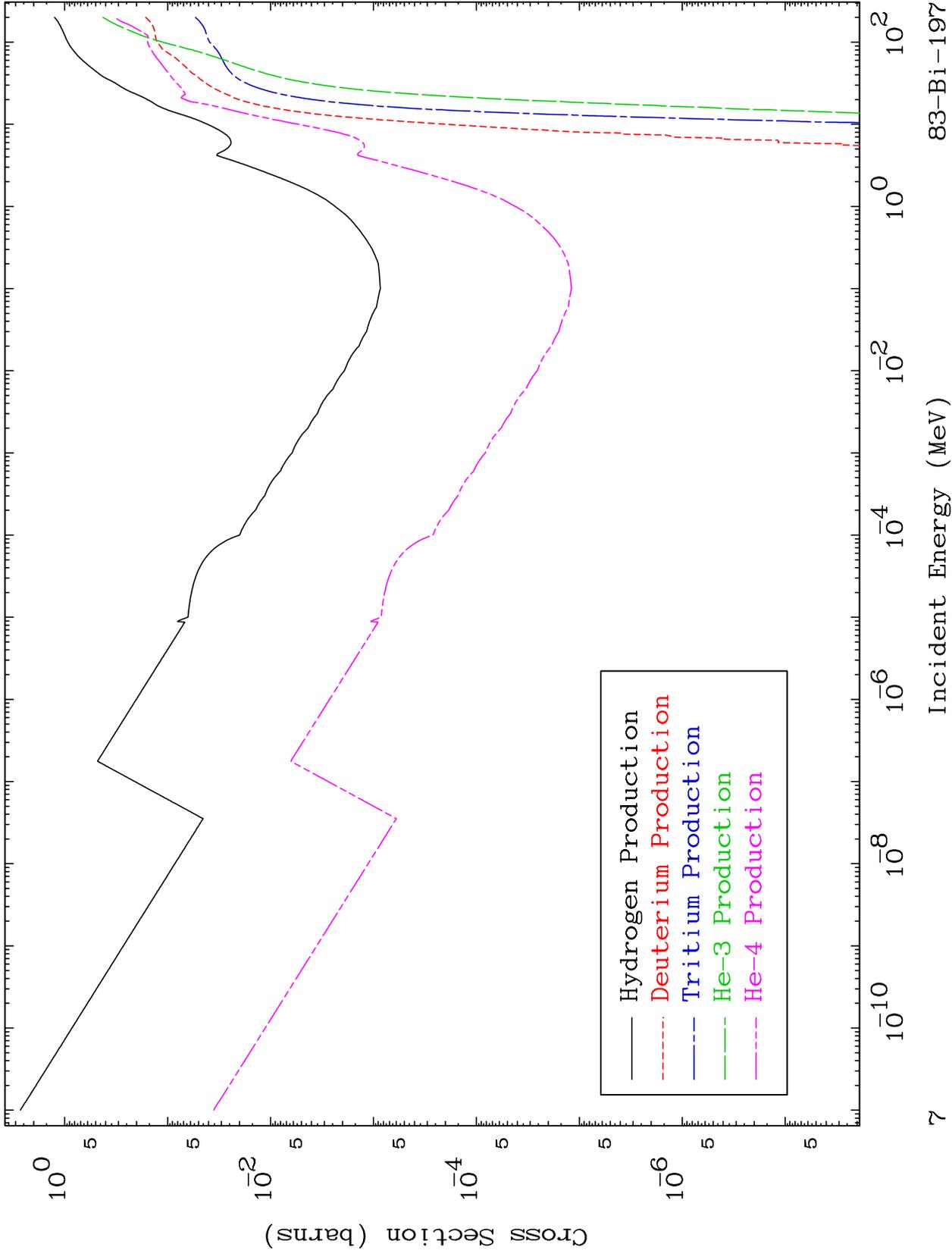


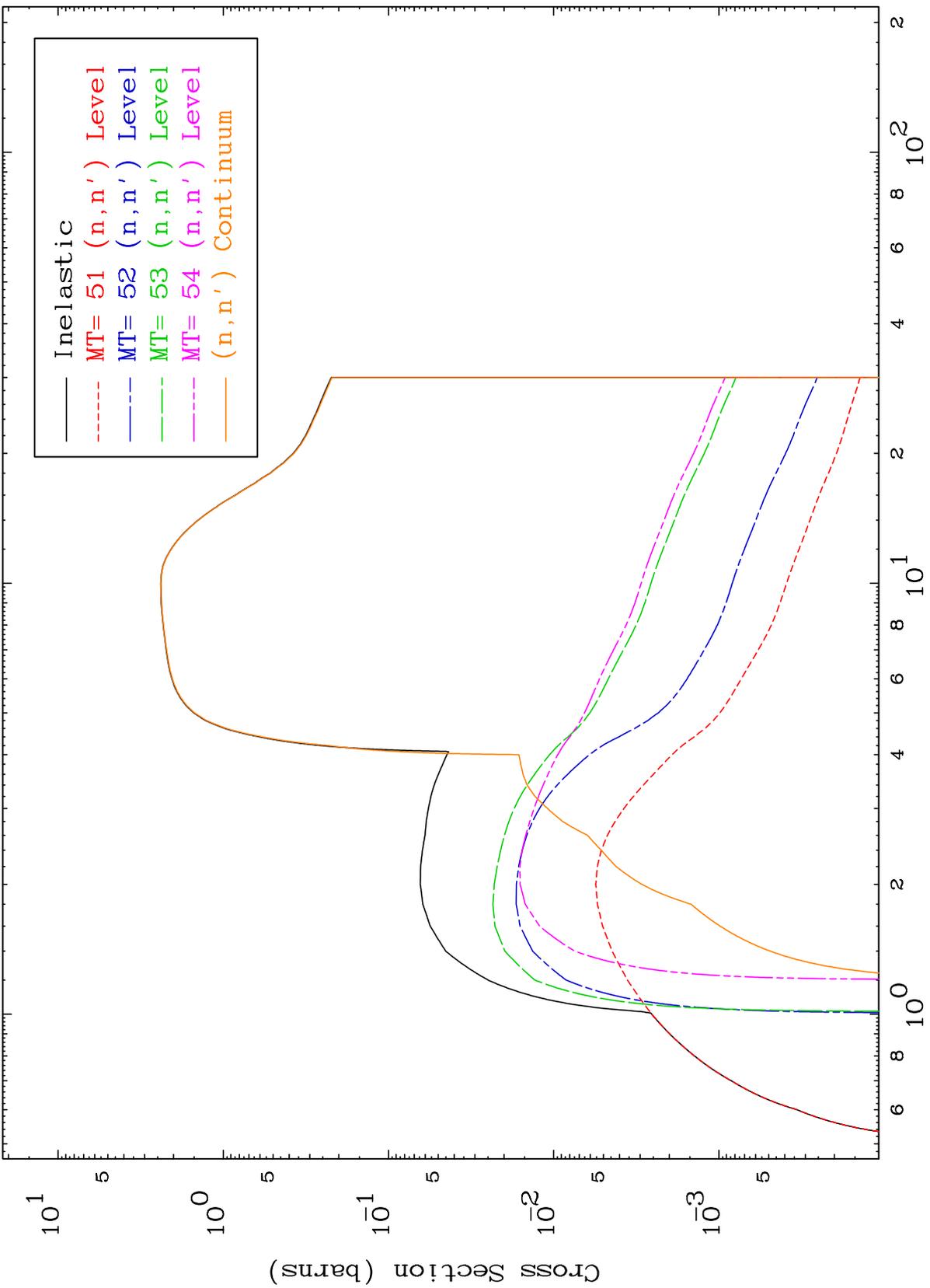
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Charged Particle  
293 Kelvin Cross Sections

83-Bi-197



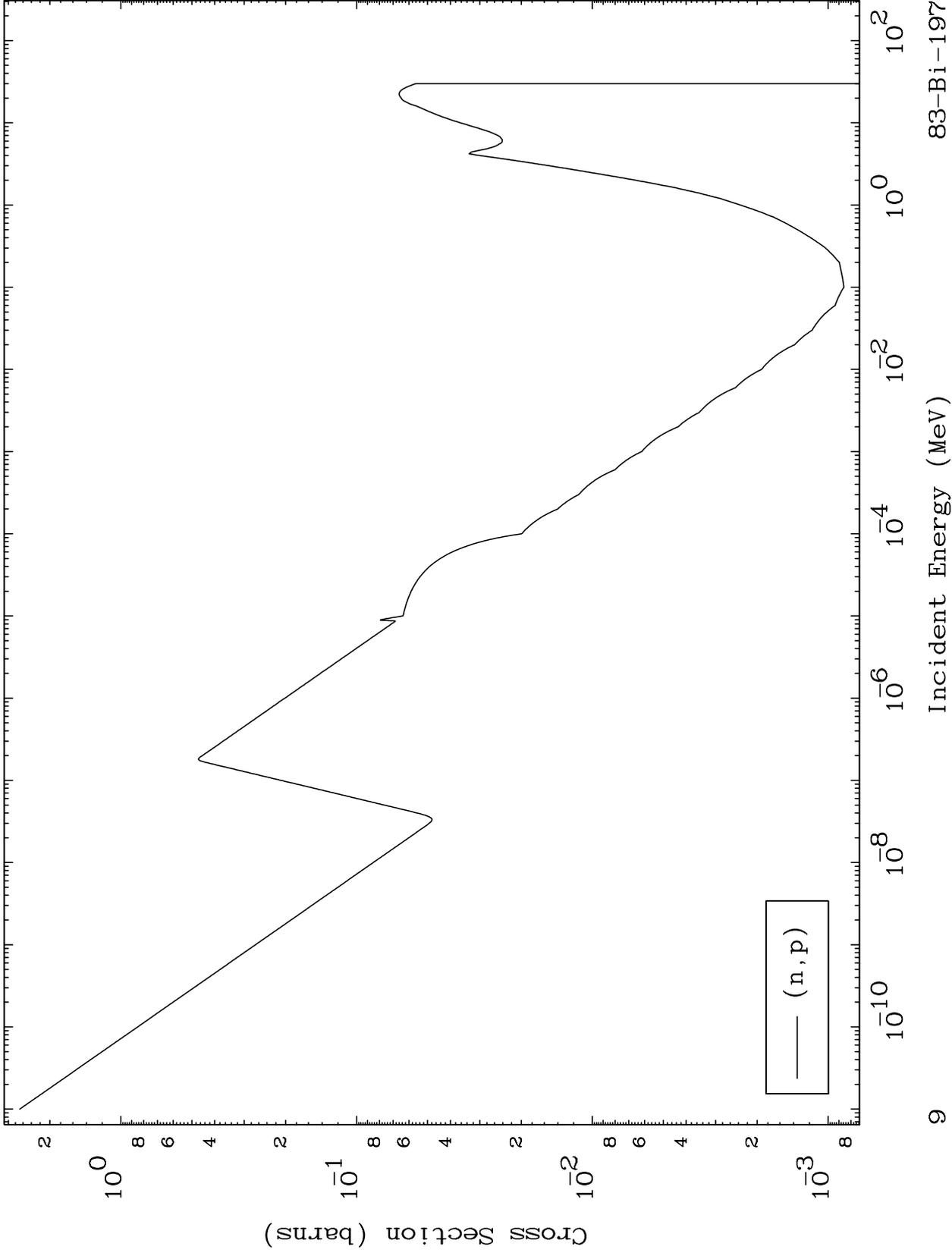




MAT 8289

(n,p) Levels  
293 Kelvin Cross Sections

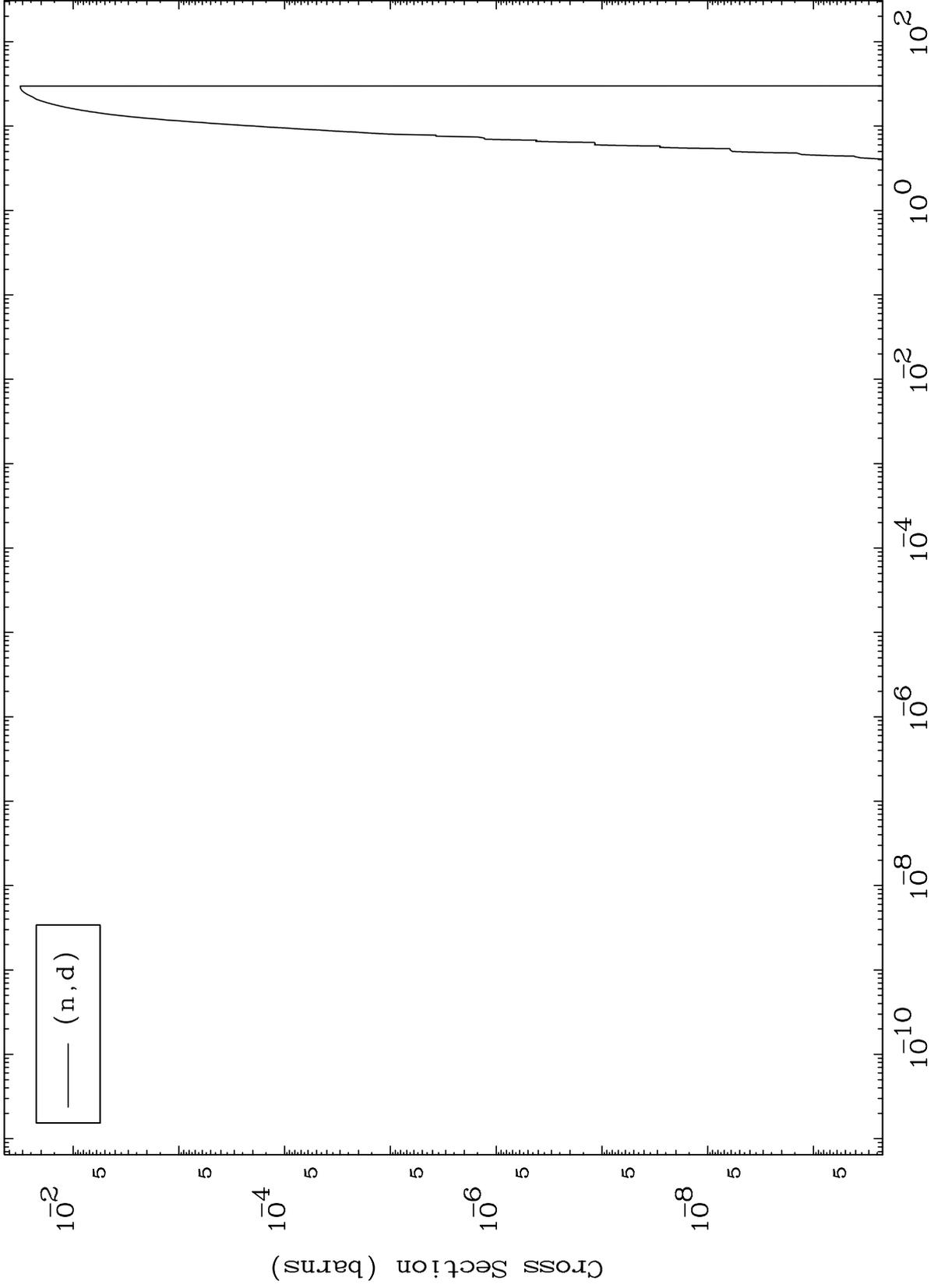
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MAT 8289

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-197



10

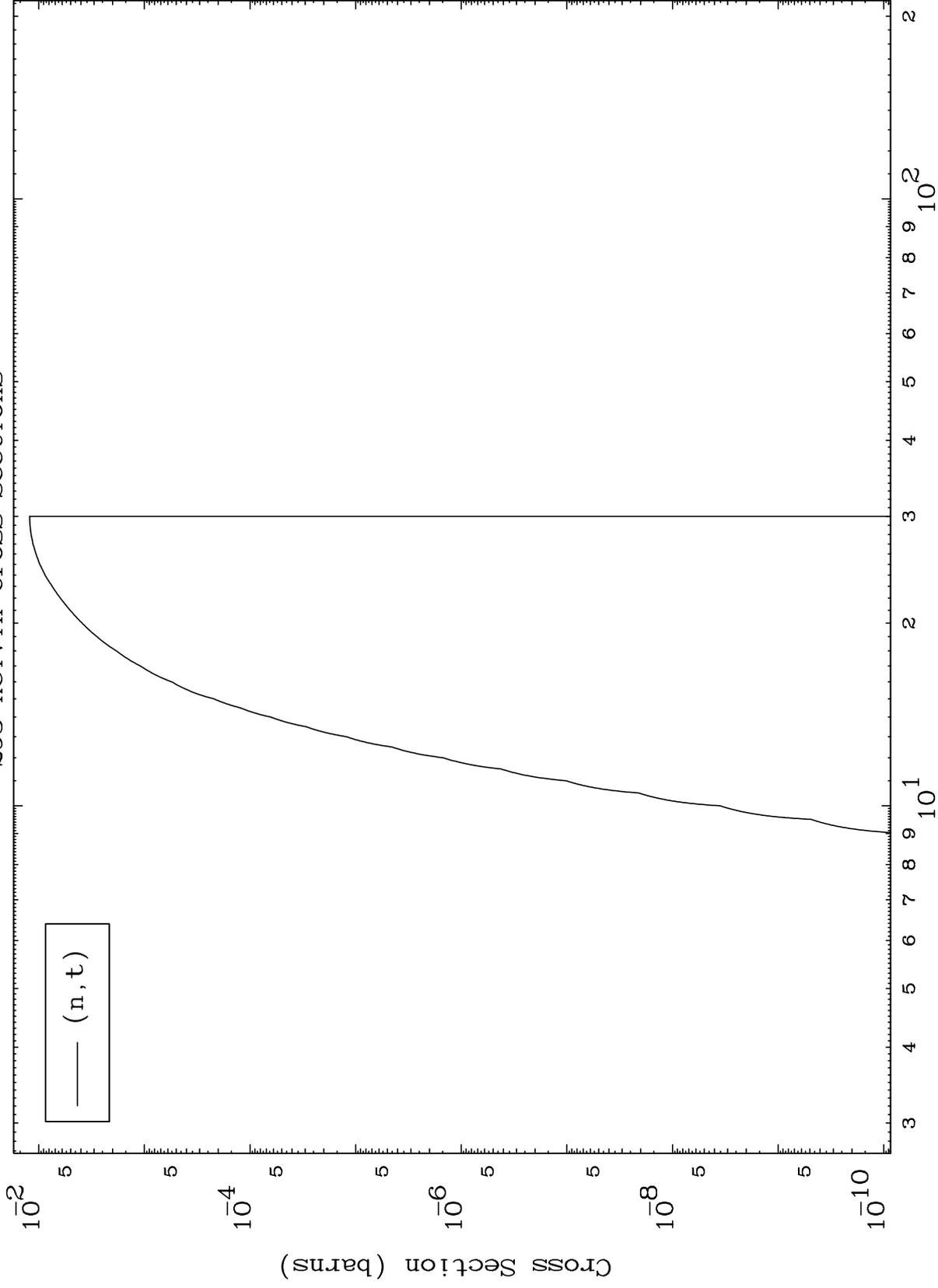
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-197



11

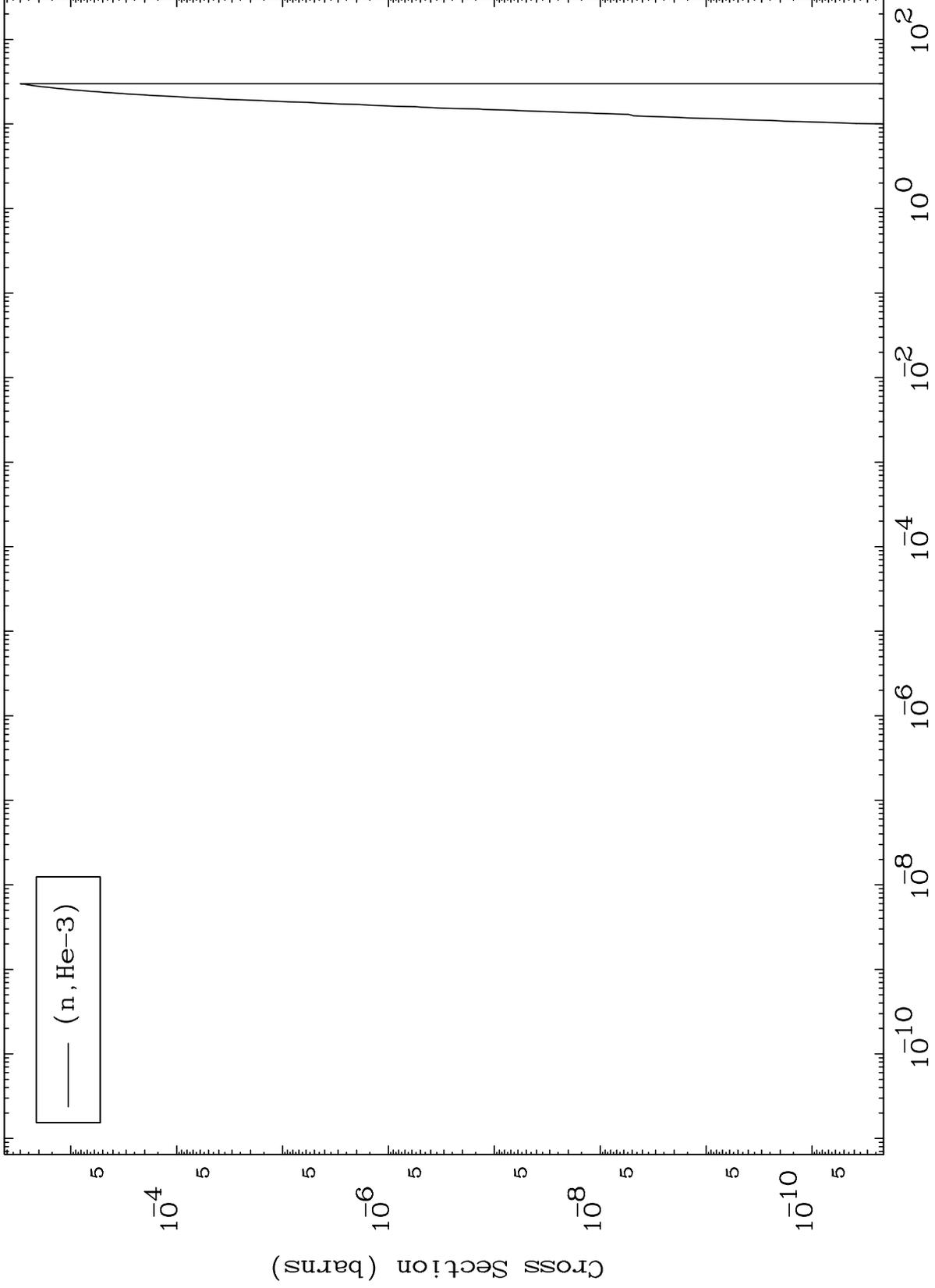
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83-Bi-197

MAT 8289

(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-197



12

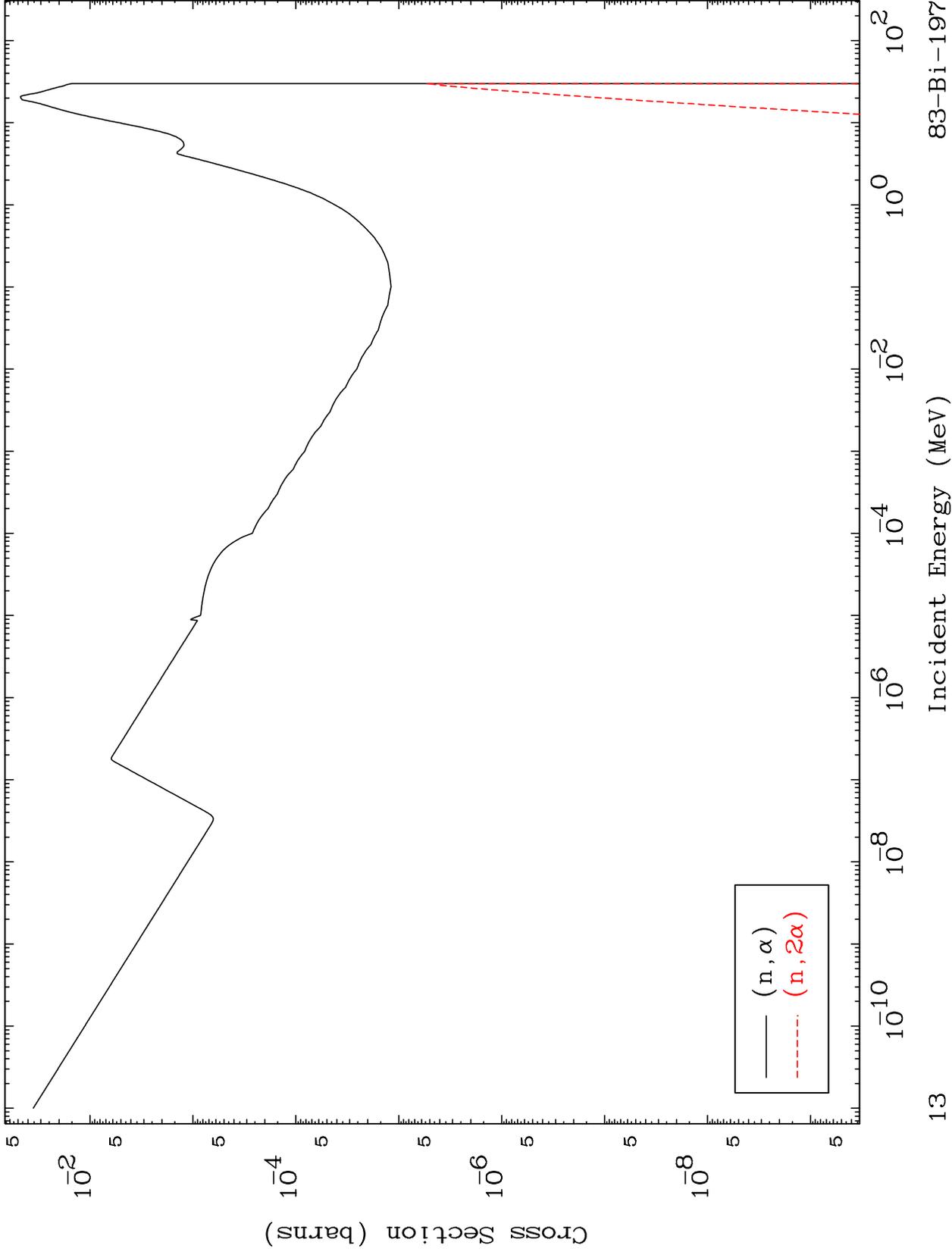
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83-Bi-197

MAT 8289

(n,α) Levels  
293 Kelvin Cross Sections

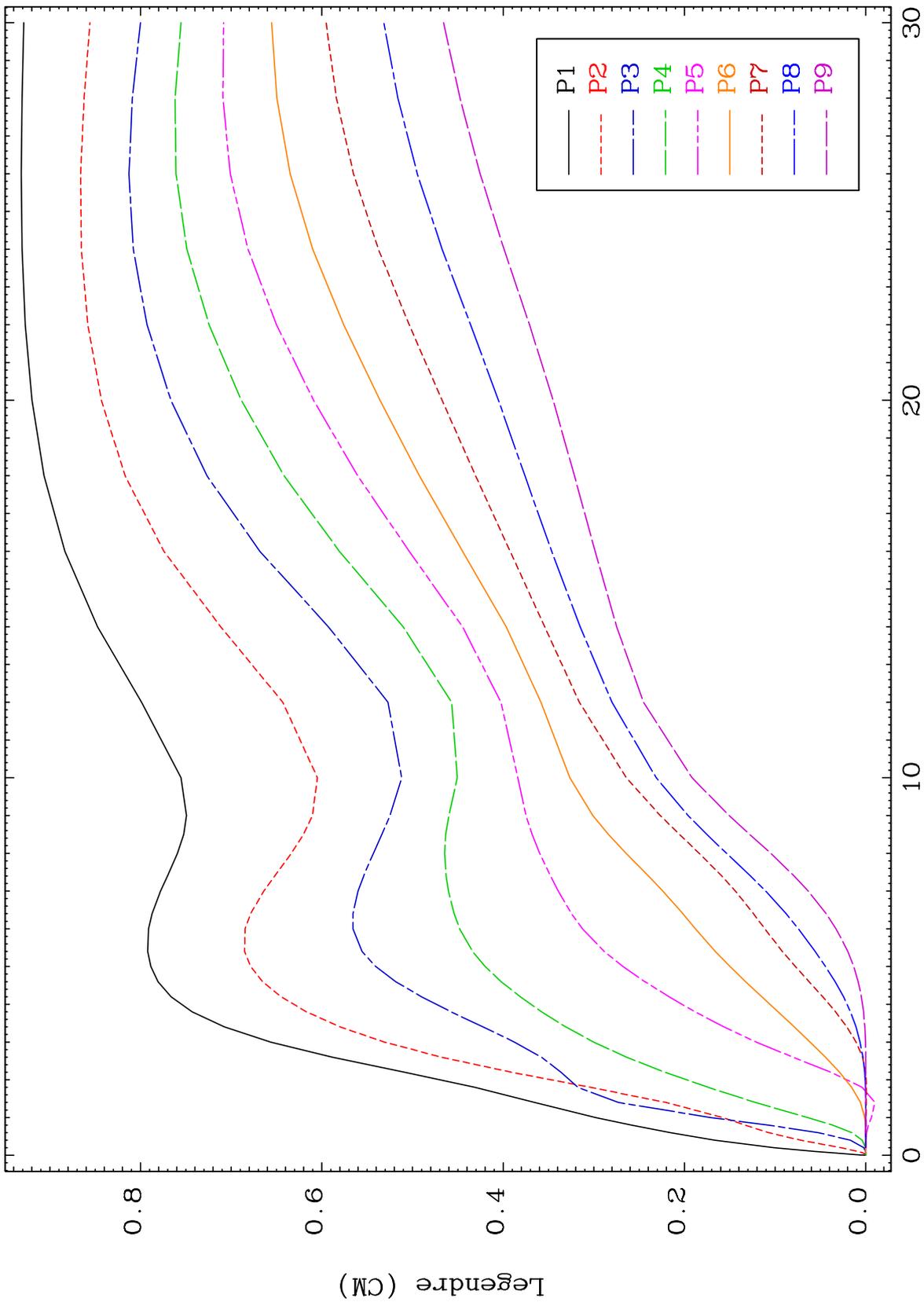
83-Bi-197



MAT 8289

83-Bi-197

Elastic Legendre Coefficients



83-Bi-197

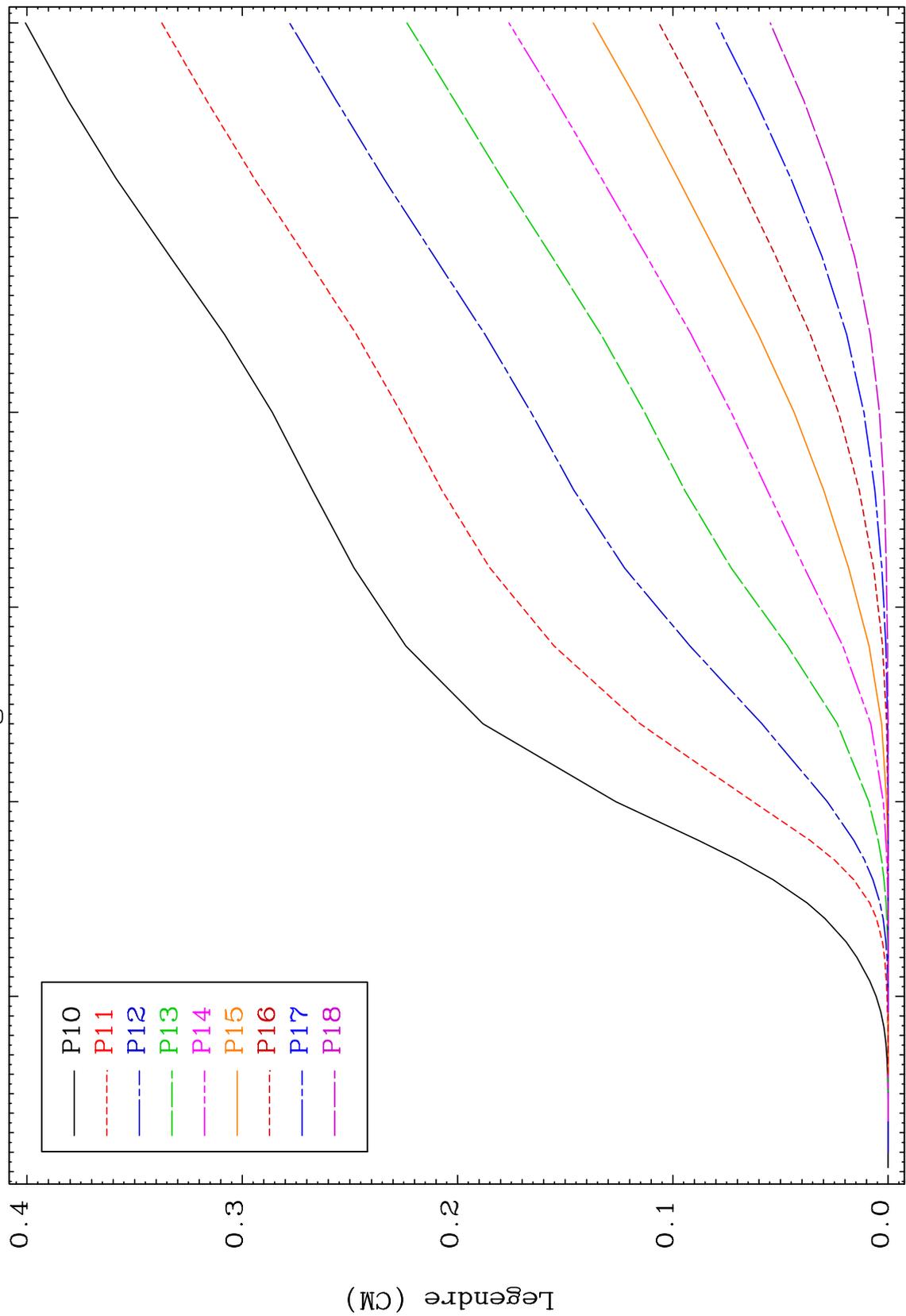
Incident Energy (MeV)

14

MAT 8289

Elastic Legendre Coefficients

<sup>83</sup>Bi-197



15

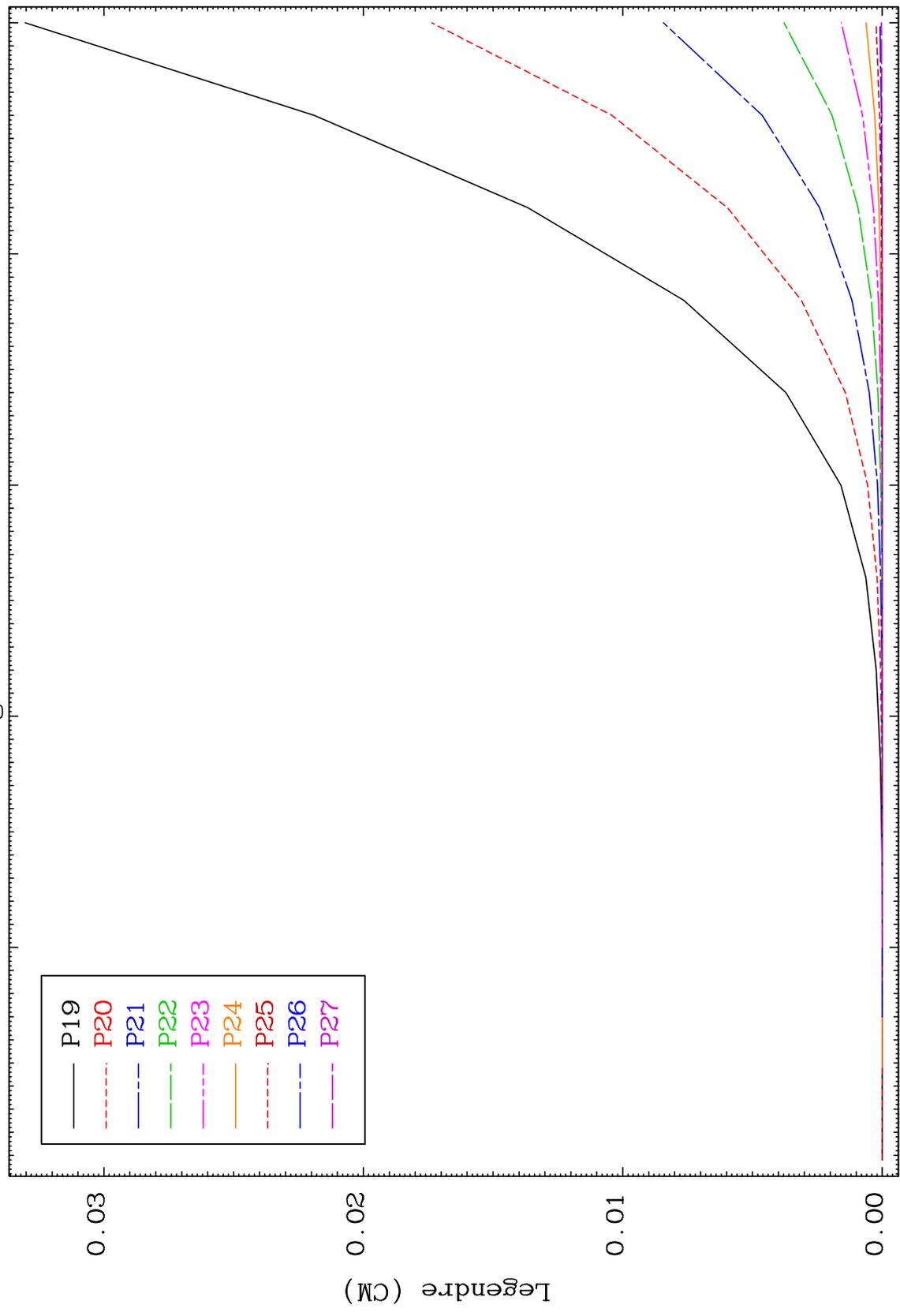
Incident Energy (MeV)

<sup>83</sup>Bi-197

MAT 8289

### Elastic Legendre Coefficients

83-Bi-197



16

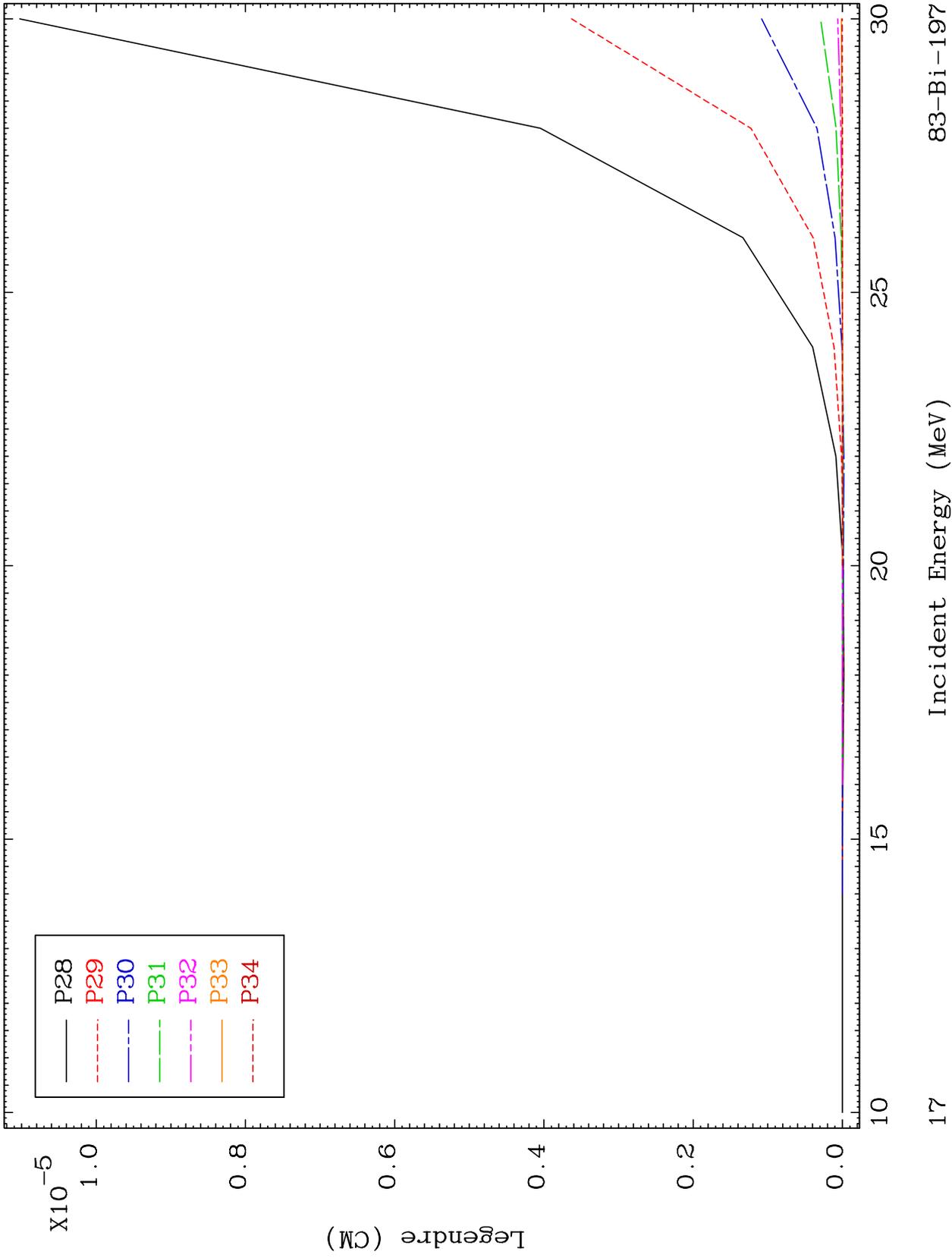
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



83-Bi-197

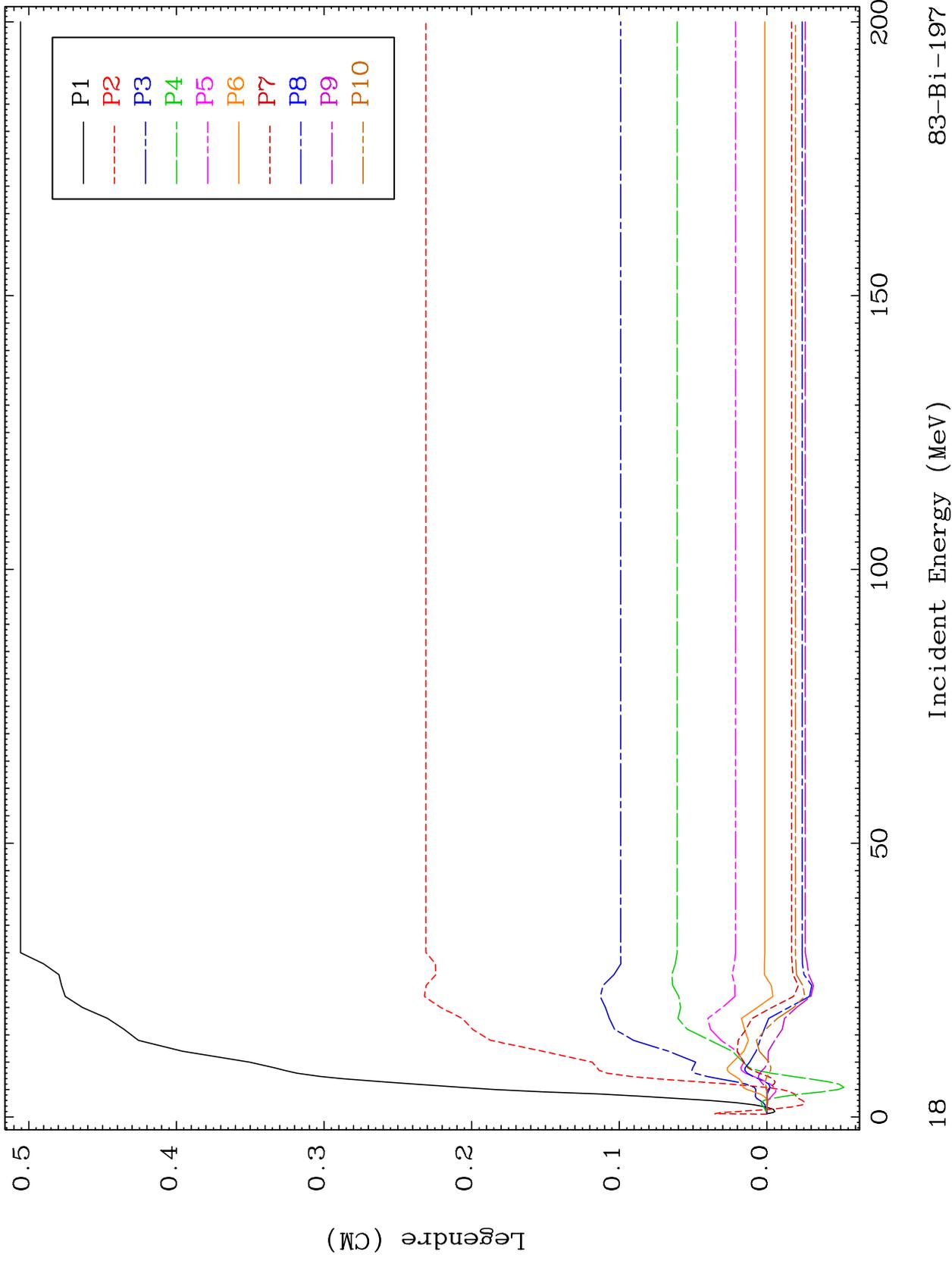
Incident Energy (MeV)

17

MAT 8289

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

83-Bi-197



83-Bi-197

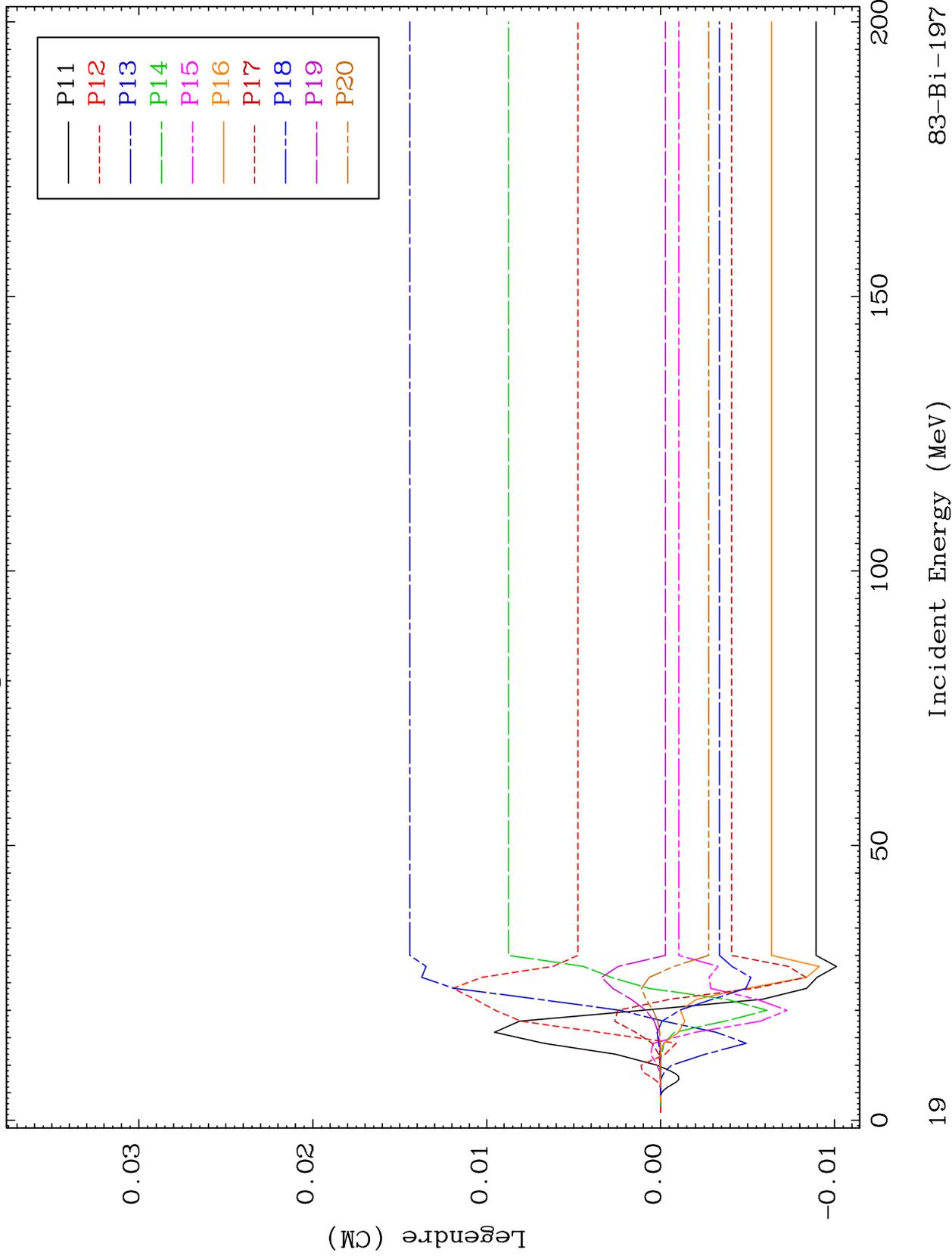
Incident Energy (MeV)

18

MAT 8289

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

83-Bi-197



19

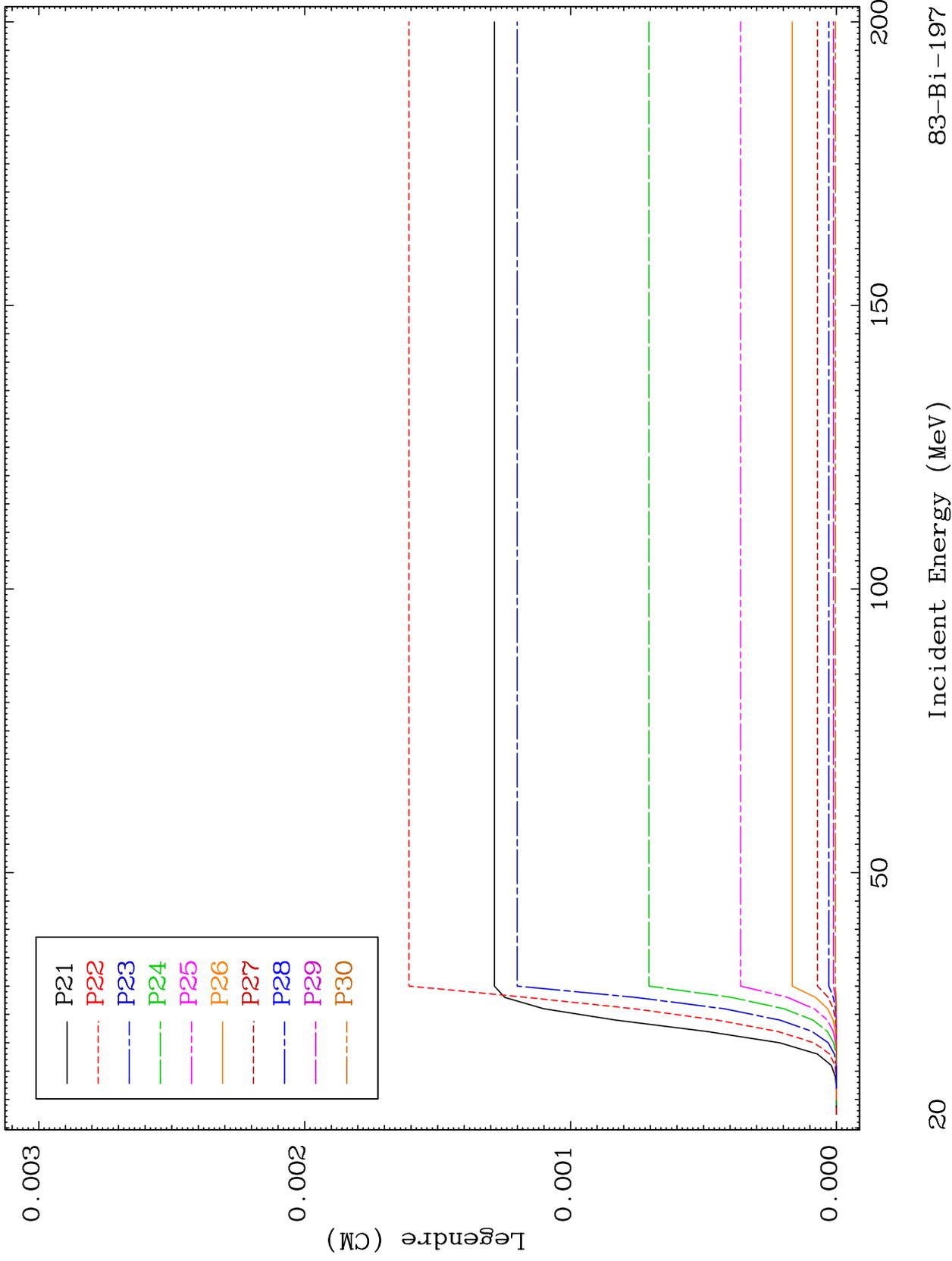
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



20

Incident Energy (MeV)

50

100

150

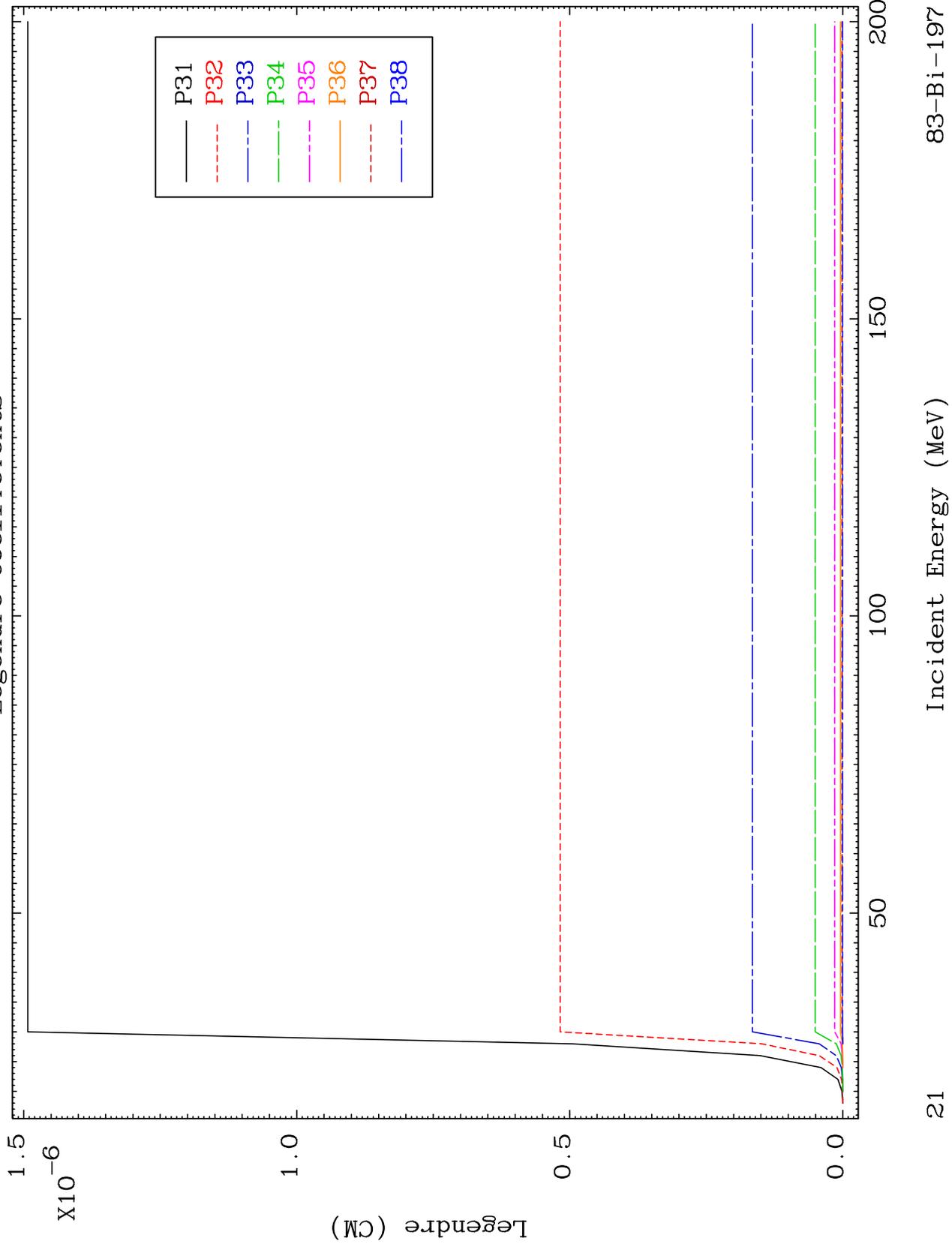
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83-Bi-197

MAT 8289

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

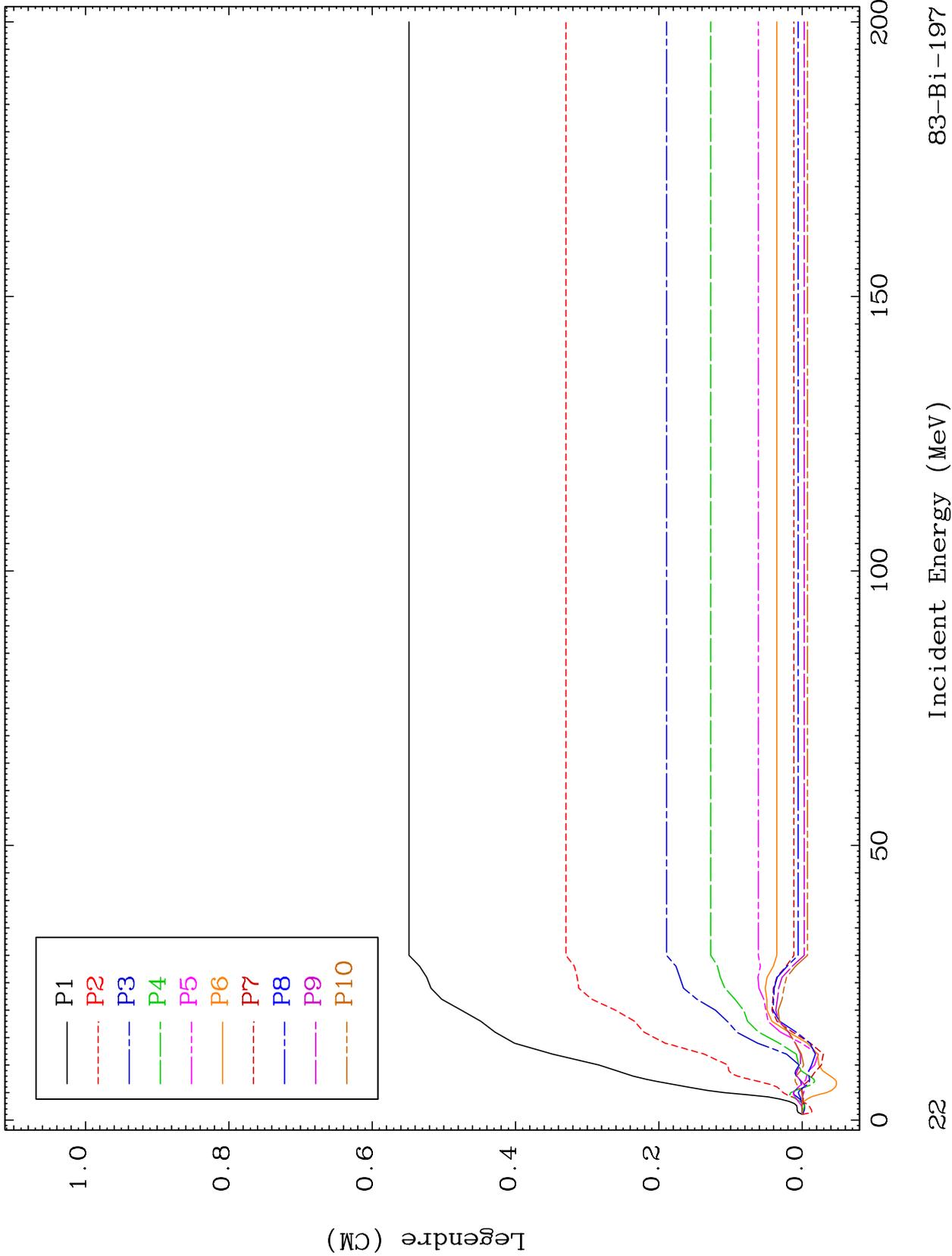
83-Bi-197



MAT 8289

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

83-Bi-197



22

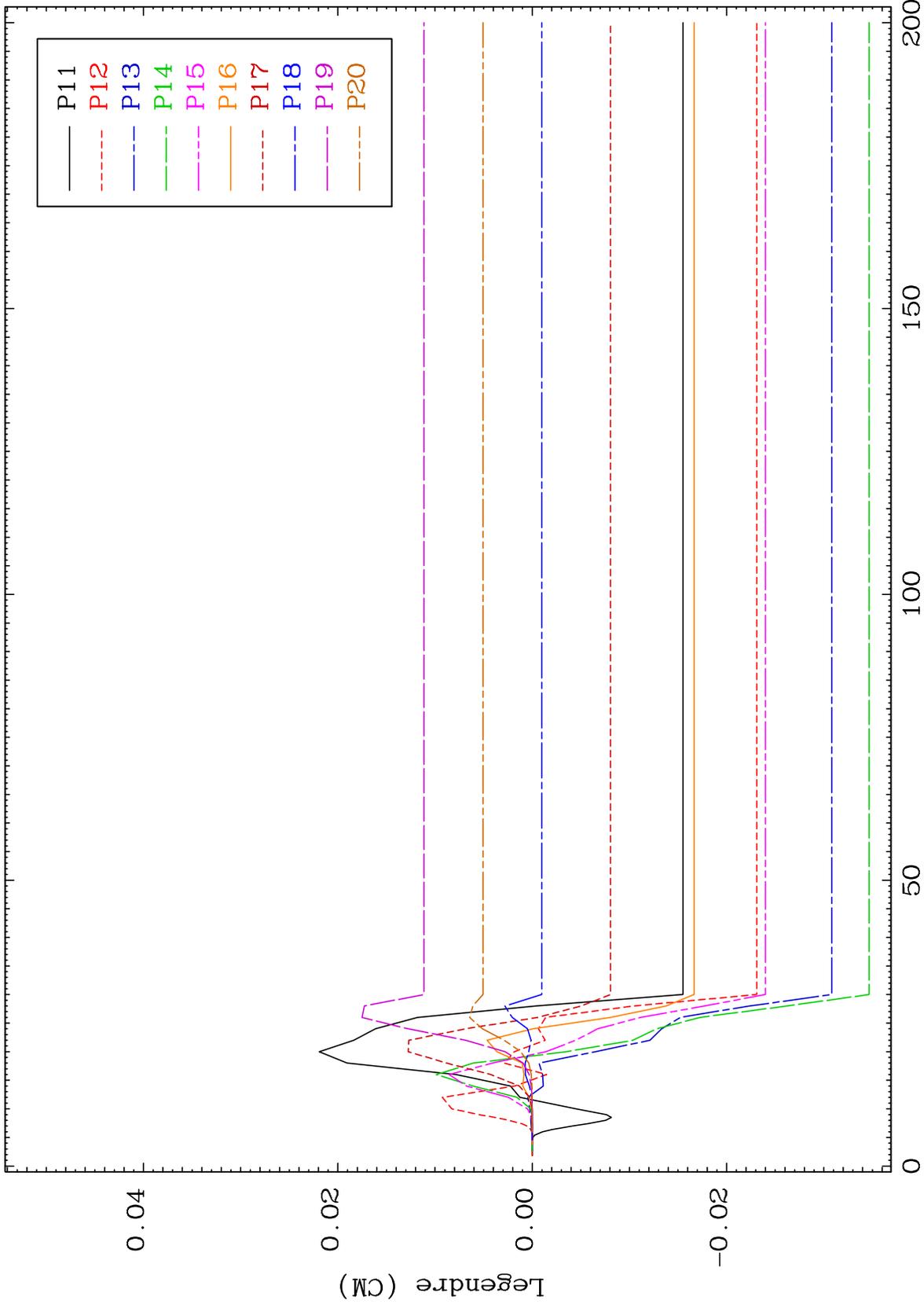
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



23

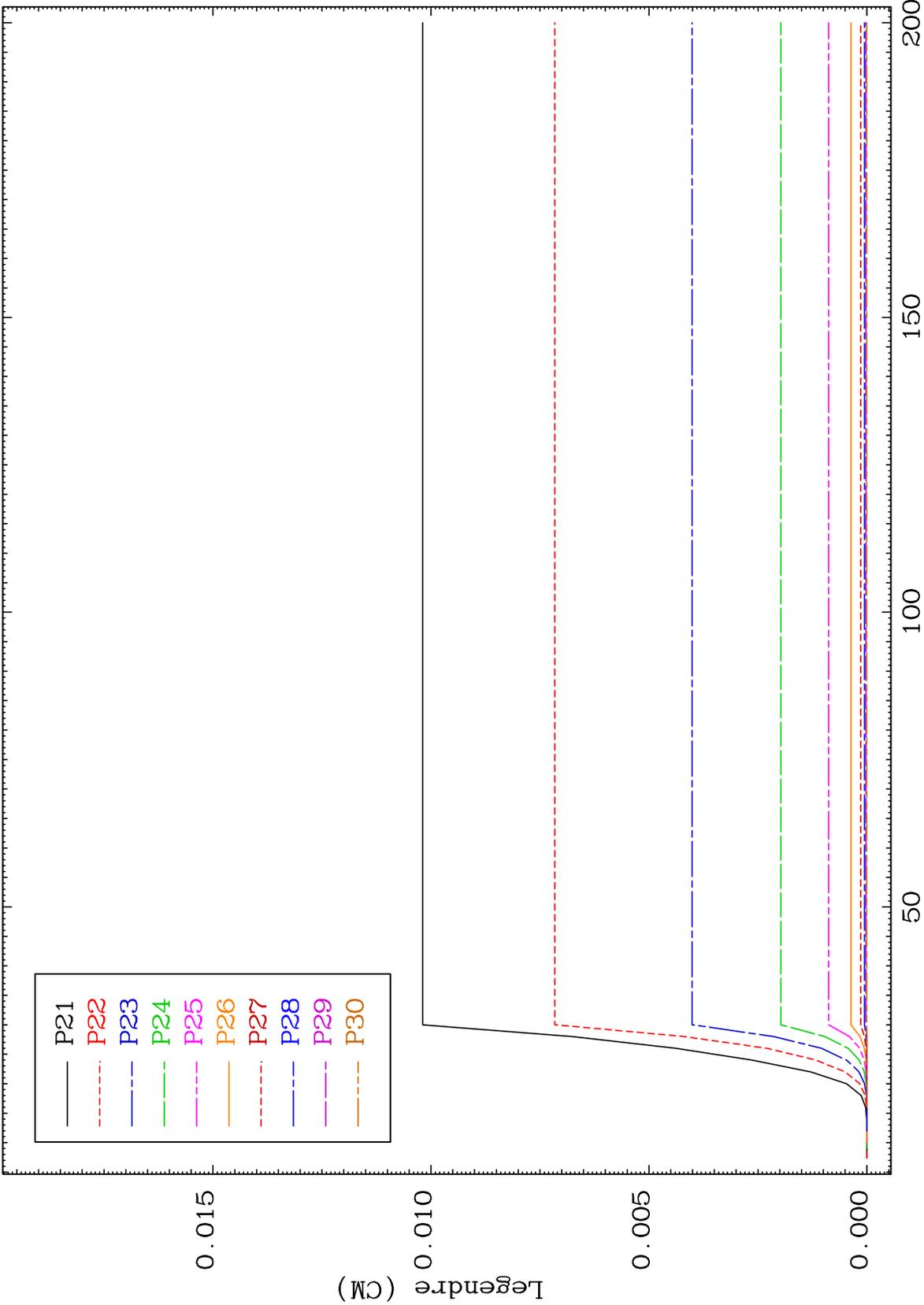
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MAT 8289

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

83-Bi-197



24

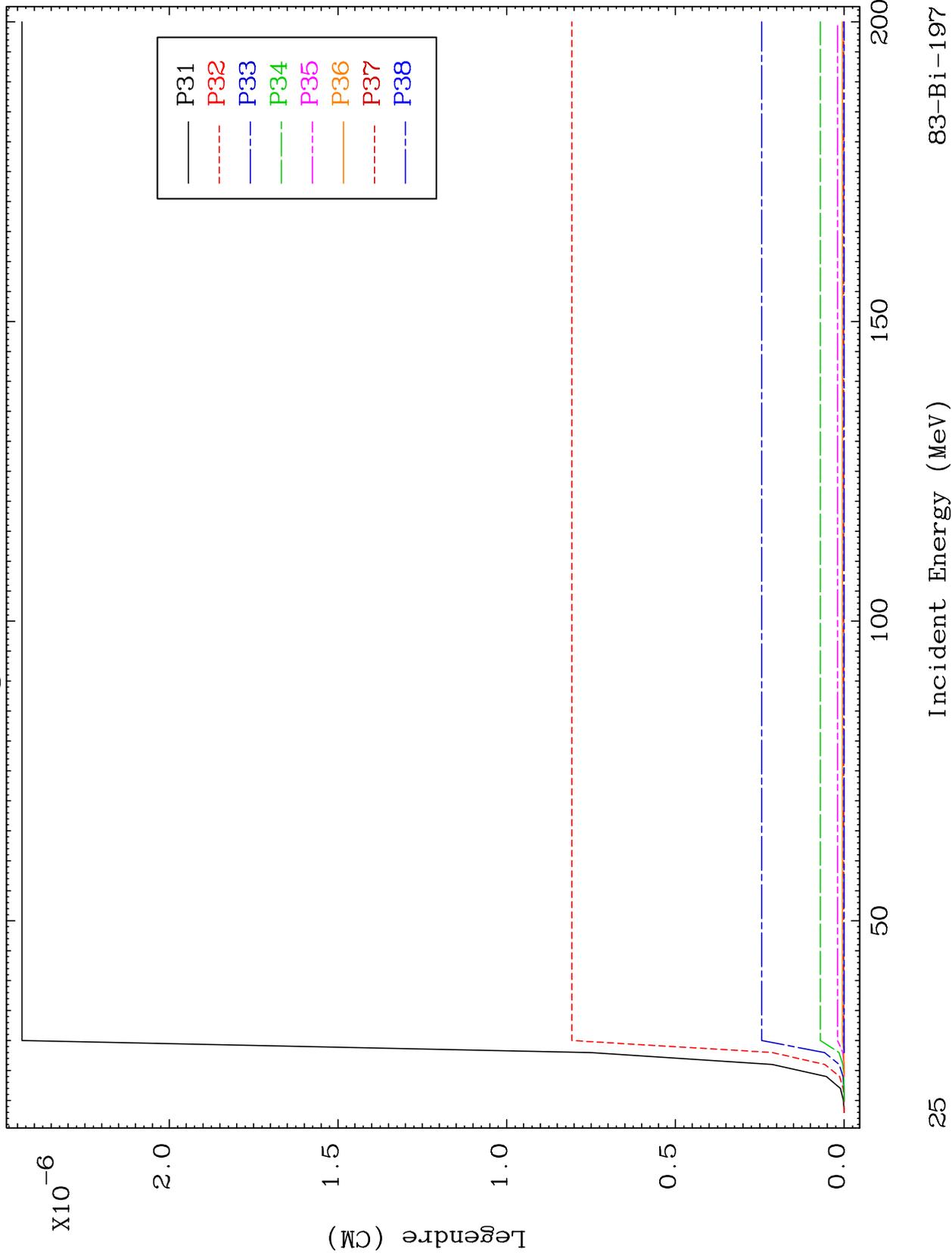
Incident Energy (MeV)

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MAT 8289

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

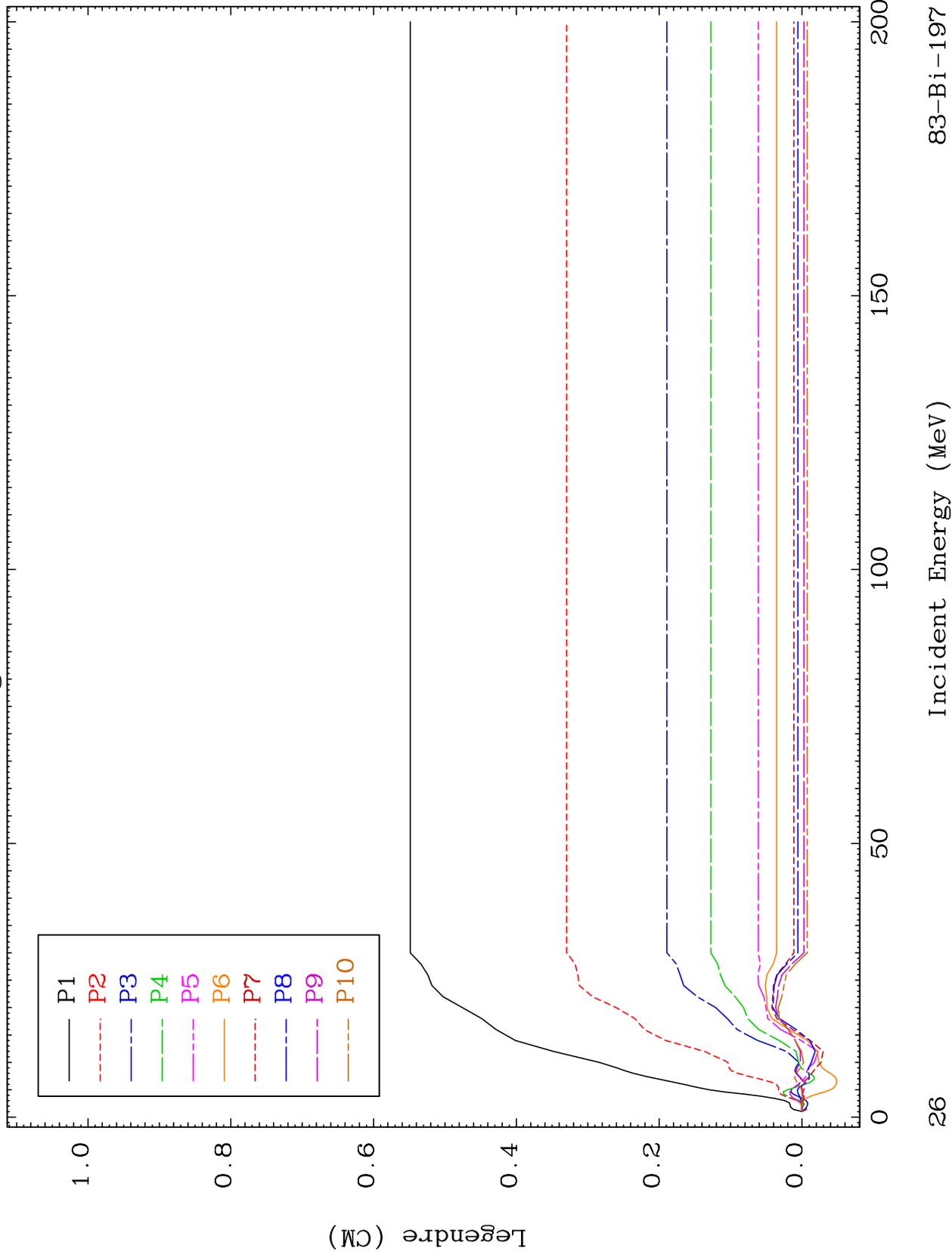
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MAT 8289

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

83-Bi-197



26

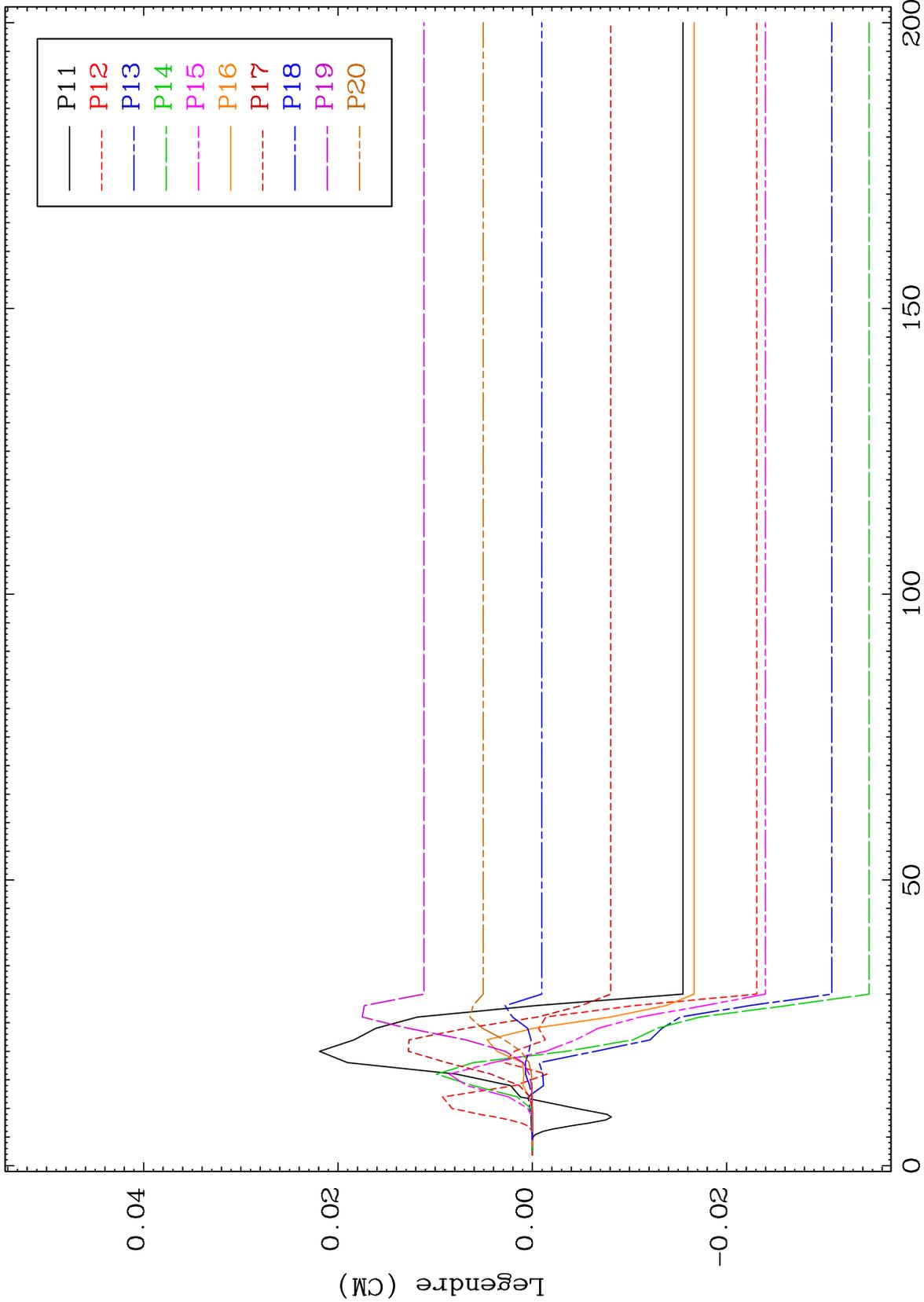
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



27

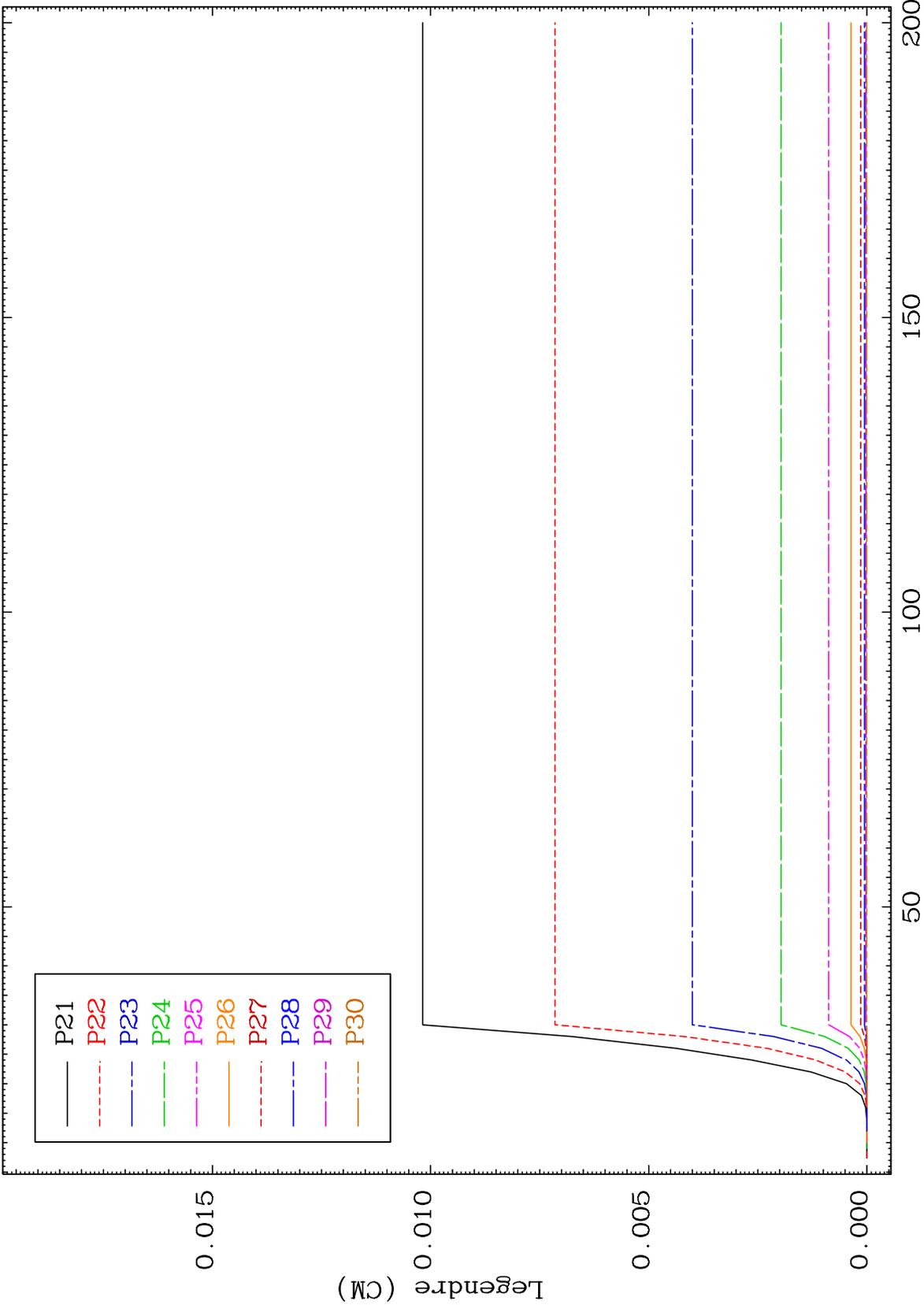
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

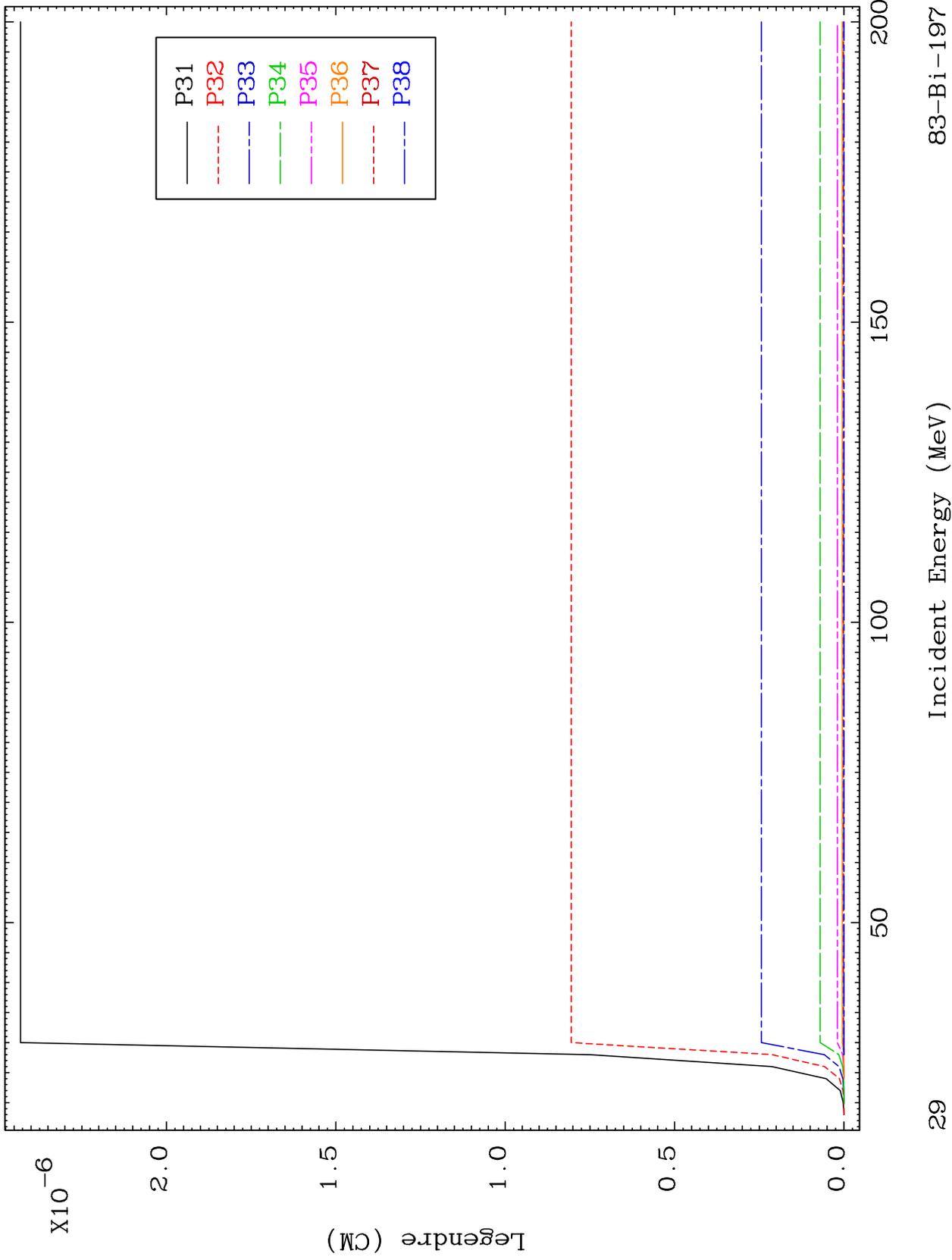
83-Bi-197



28

Incident Energy (MeV)

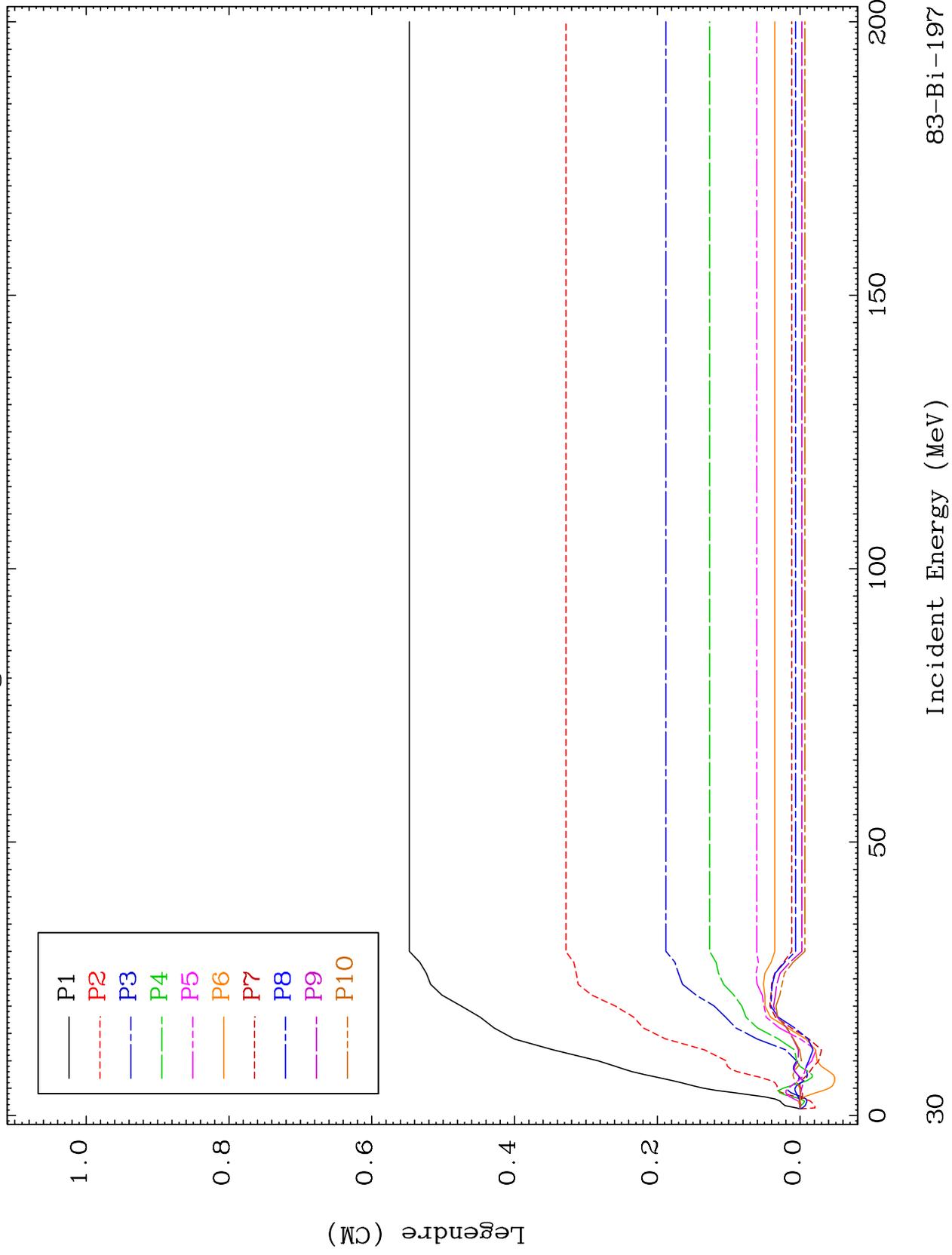
83-Bi-197



MAT 8289

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

83-Bi-197



83-Bi-197

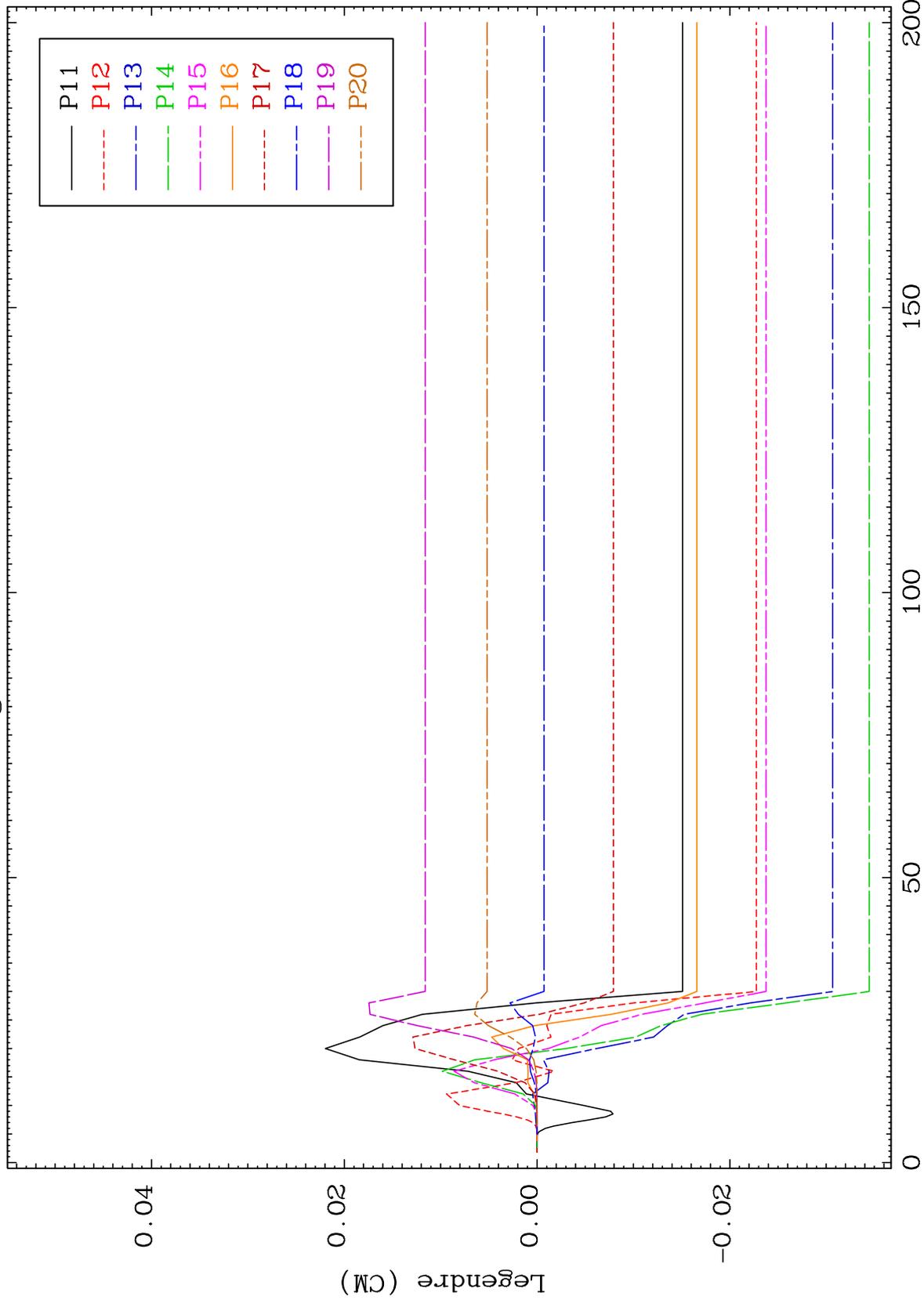
Incident Energy (MeV)

30

MAT 8289

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

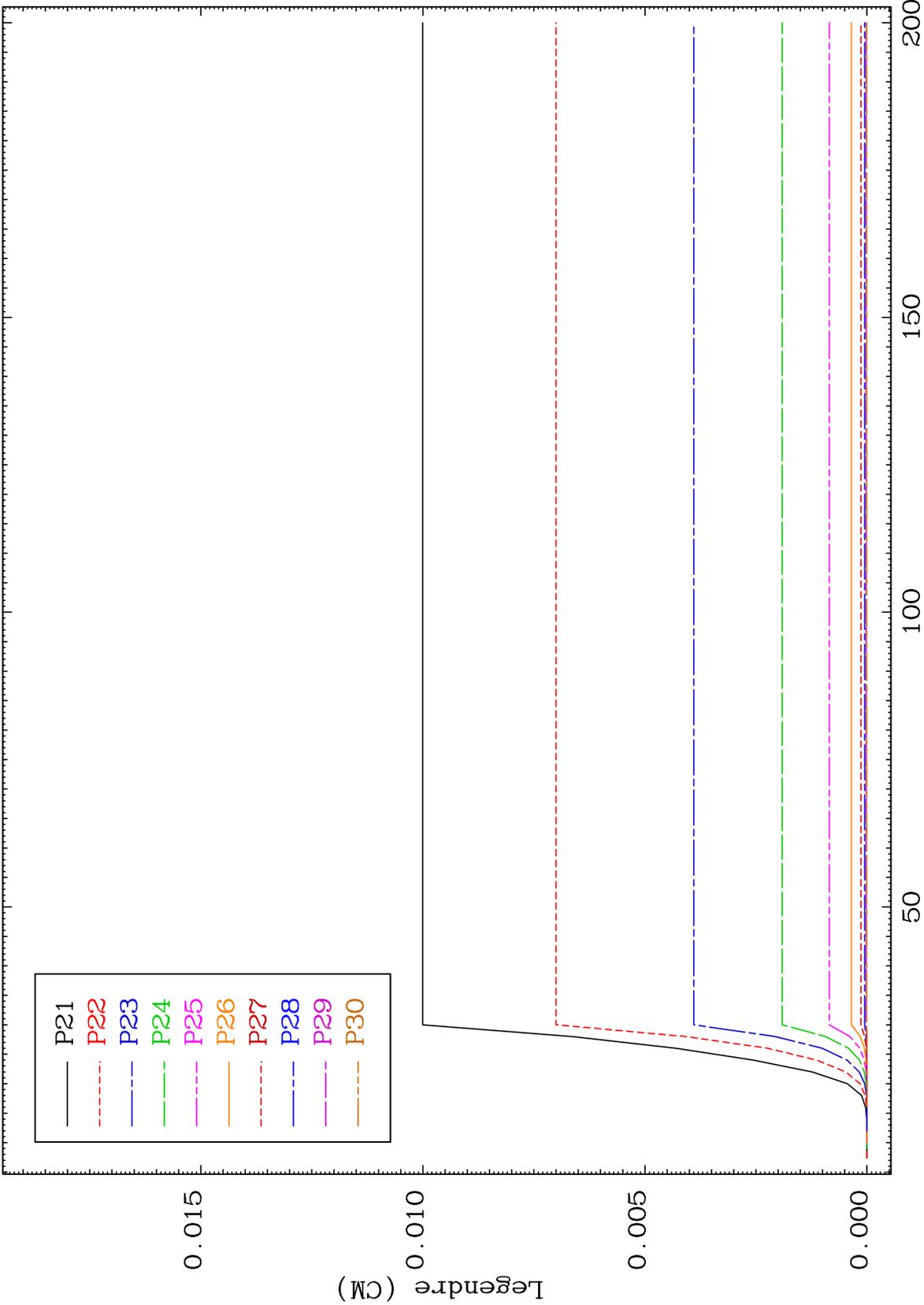
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MAT 8289

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

83-Bi-197



32

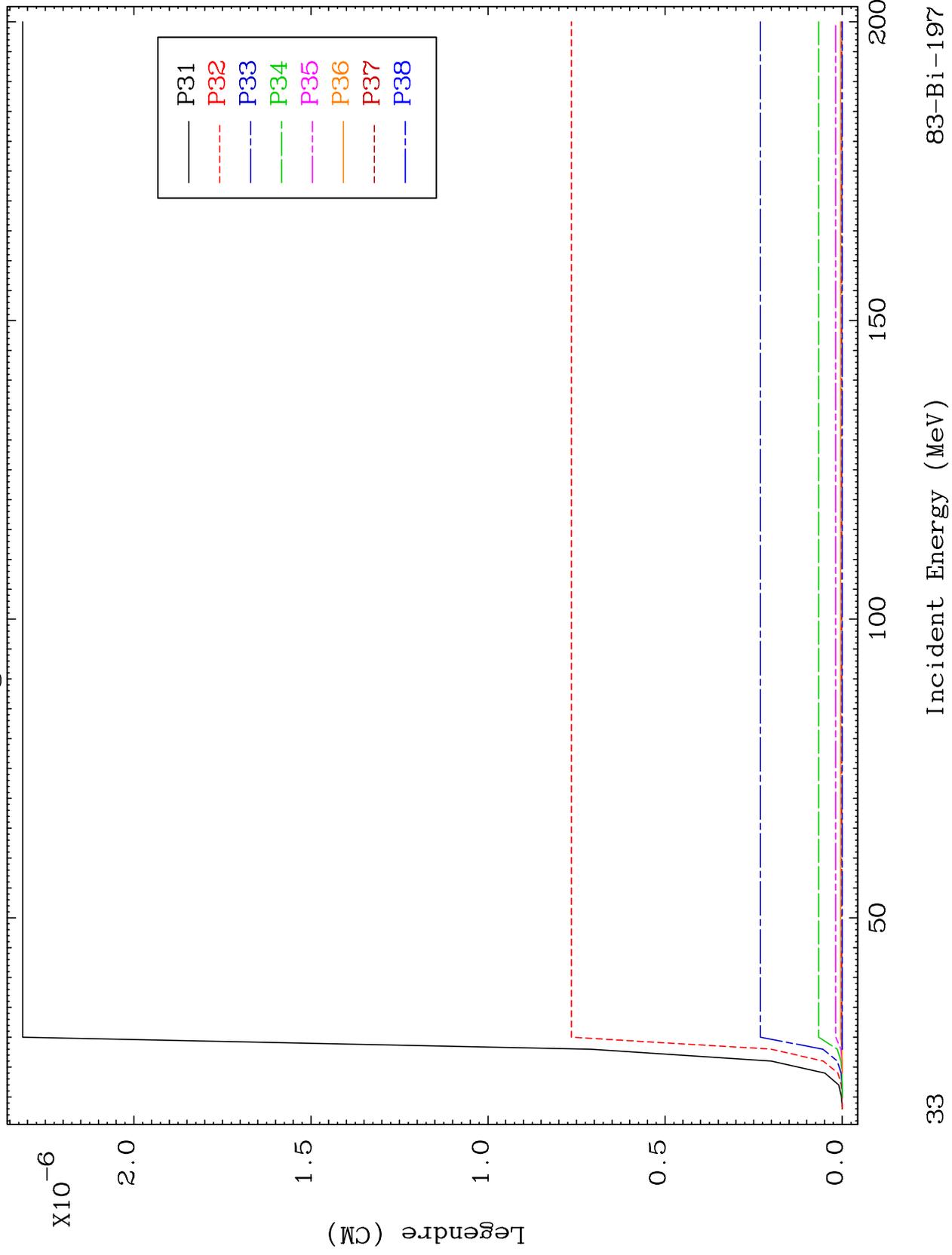
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



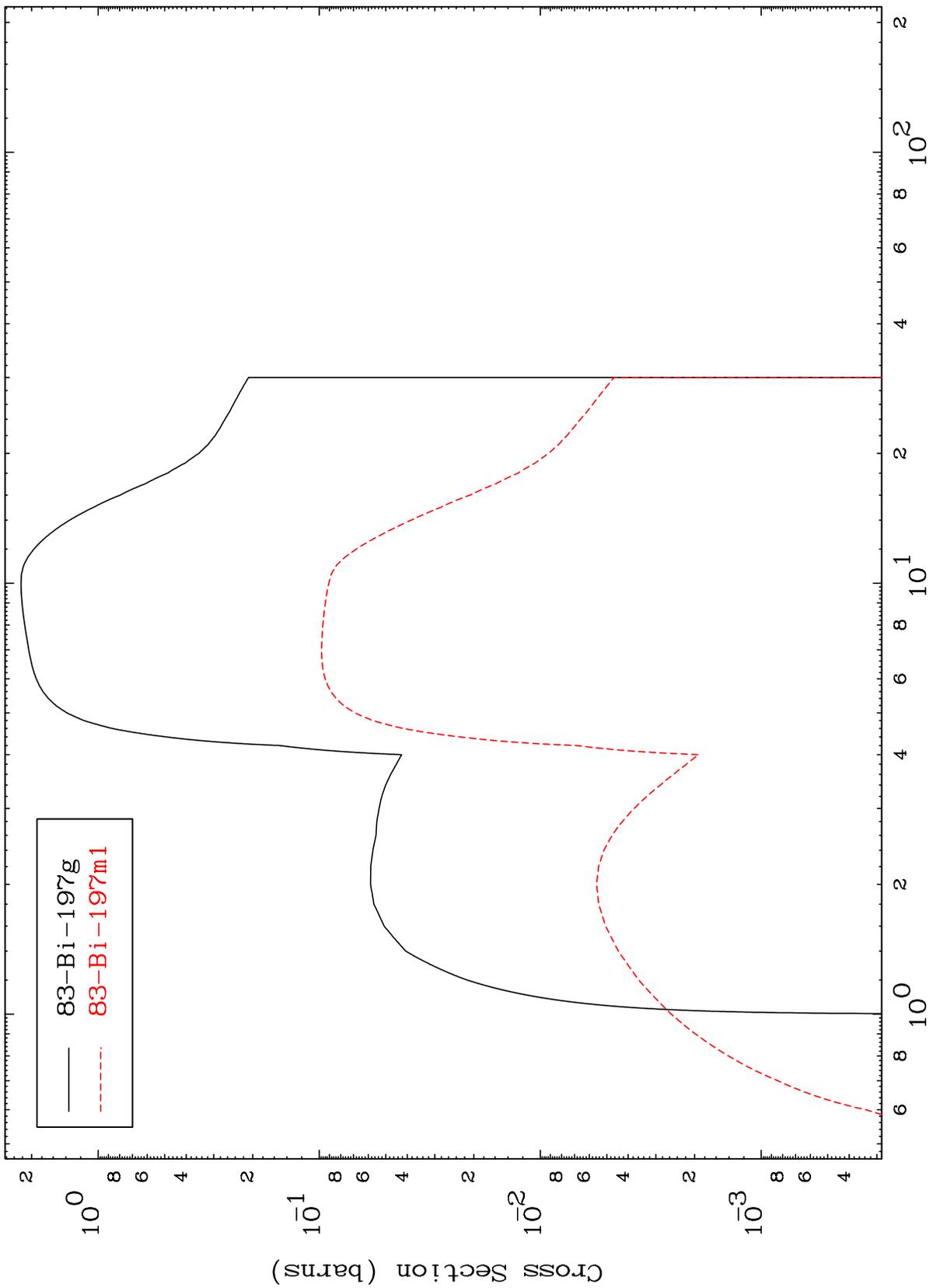
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83-Bi-197

MAT 8289

83-Bi-197

Inelastic  
Radionuclide Production Cross Section



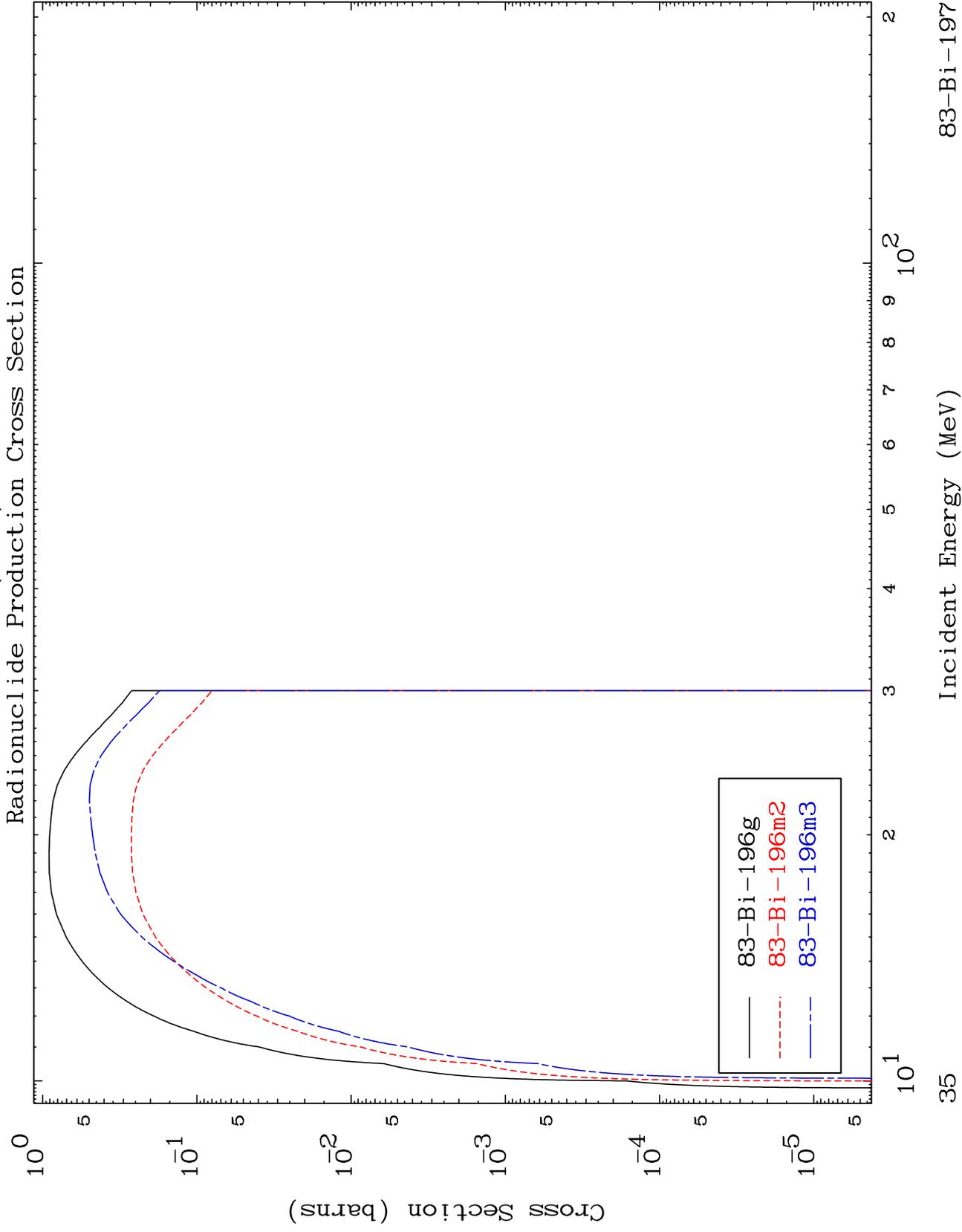
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Incident Energy (MeV)

83-Bi-197

MAT 8289

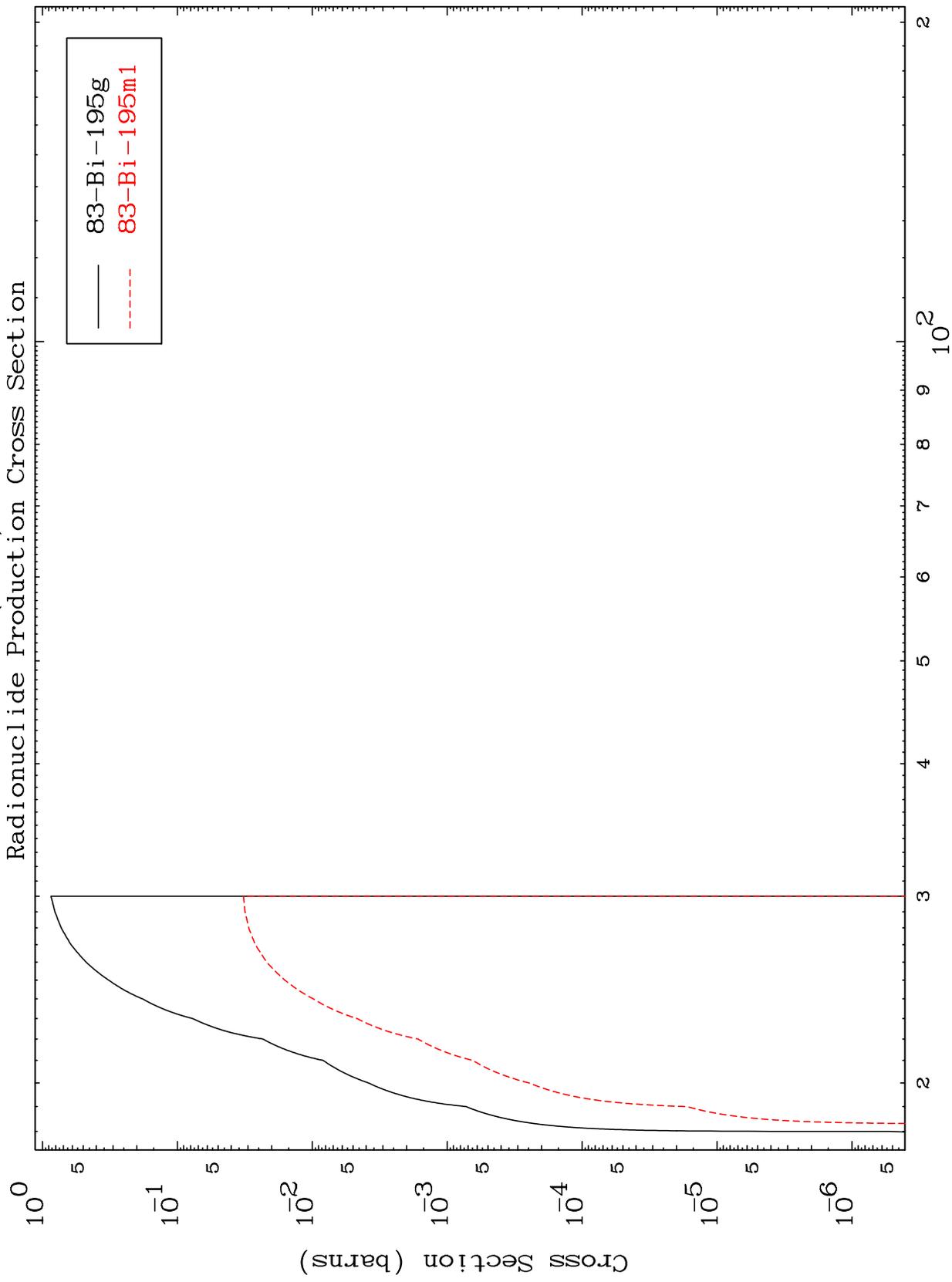
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MAT 8289

83-Bi-197

(n,3n)  
Radionuclide Production Cross Section



36

Incident Energy (MeV)

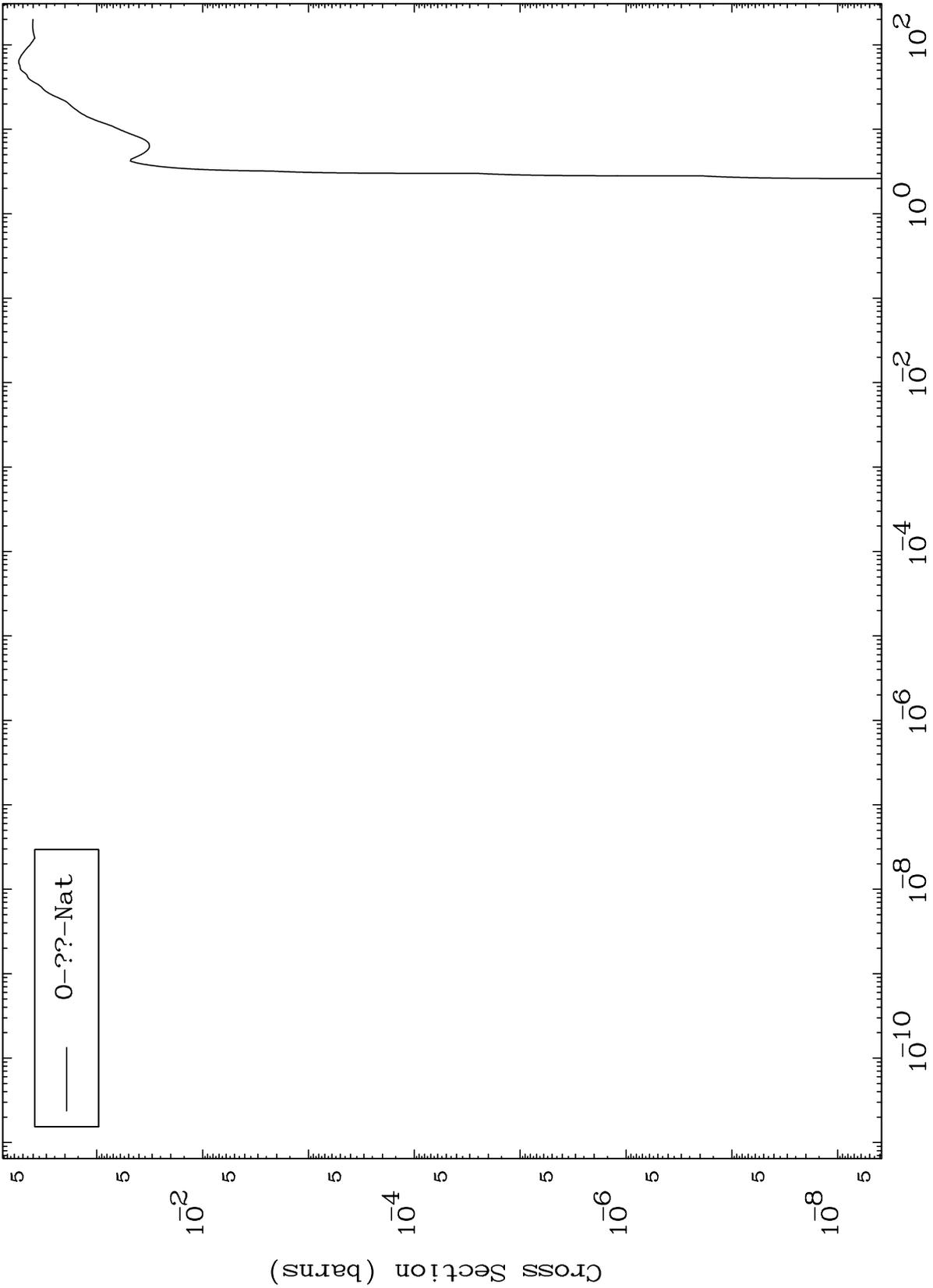
83-Bi-197

MAT 8289

Fission

83-Bi-197

Radionuclide Production Cross Section



37

Incident Energy (MeV)

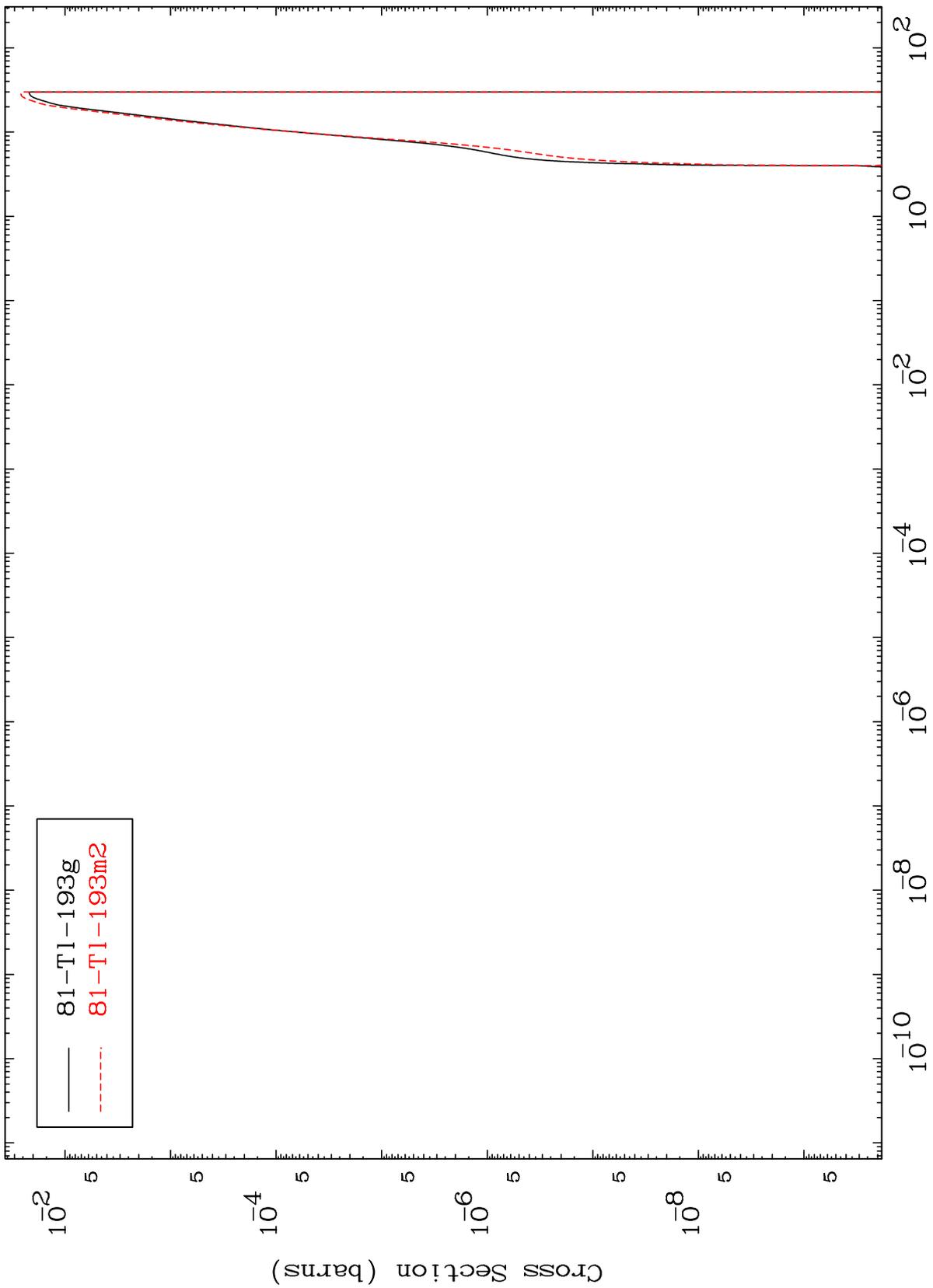
83-Bi-197

MAT 8289

$(n, n')$   $\alpha$

83-Bi-197

Radionuclide Production Cross Section



38

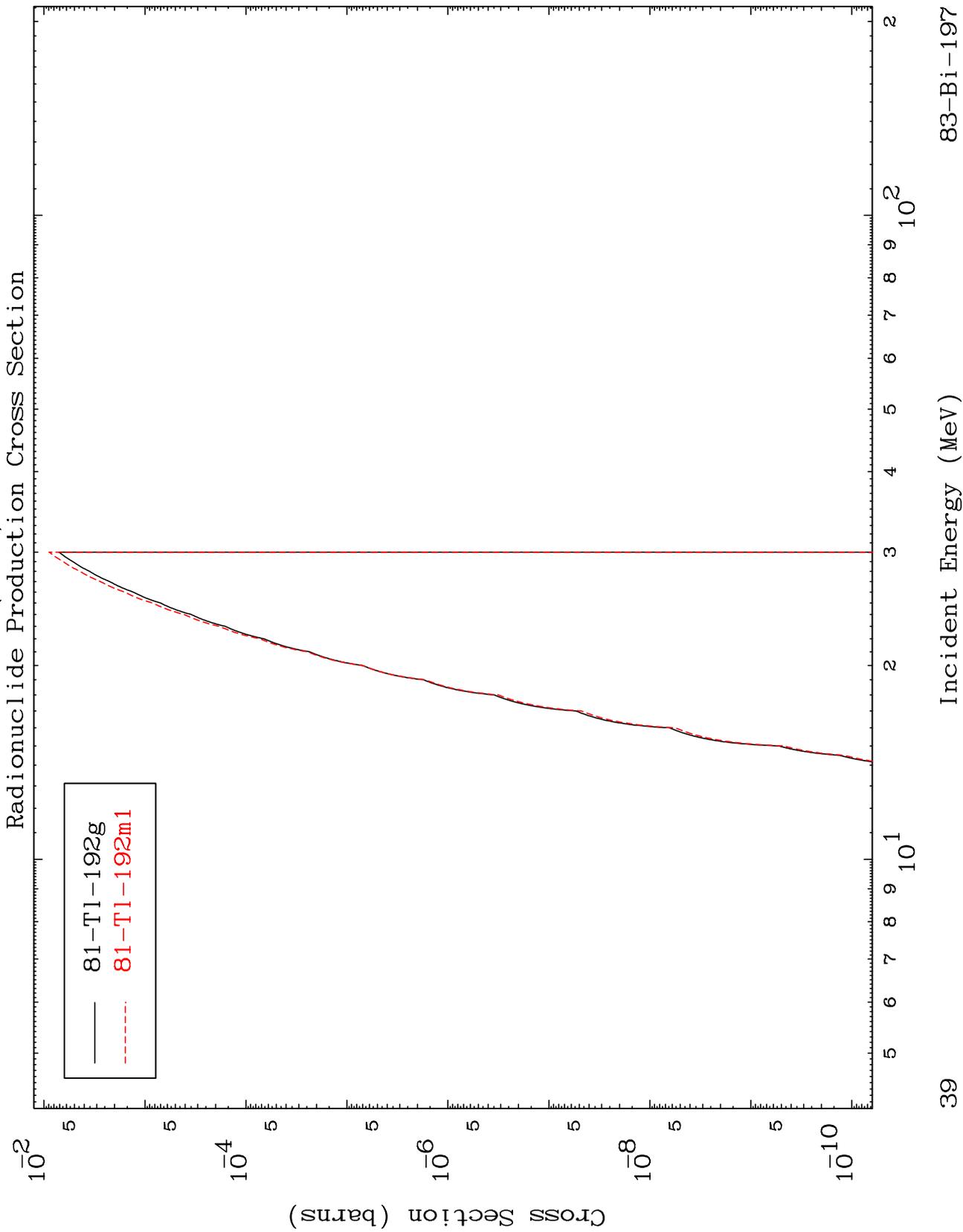
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,2n)  $\alpha$

83-Bi-197



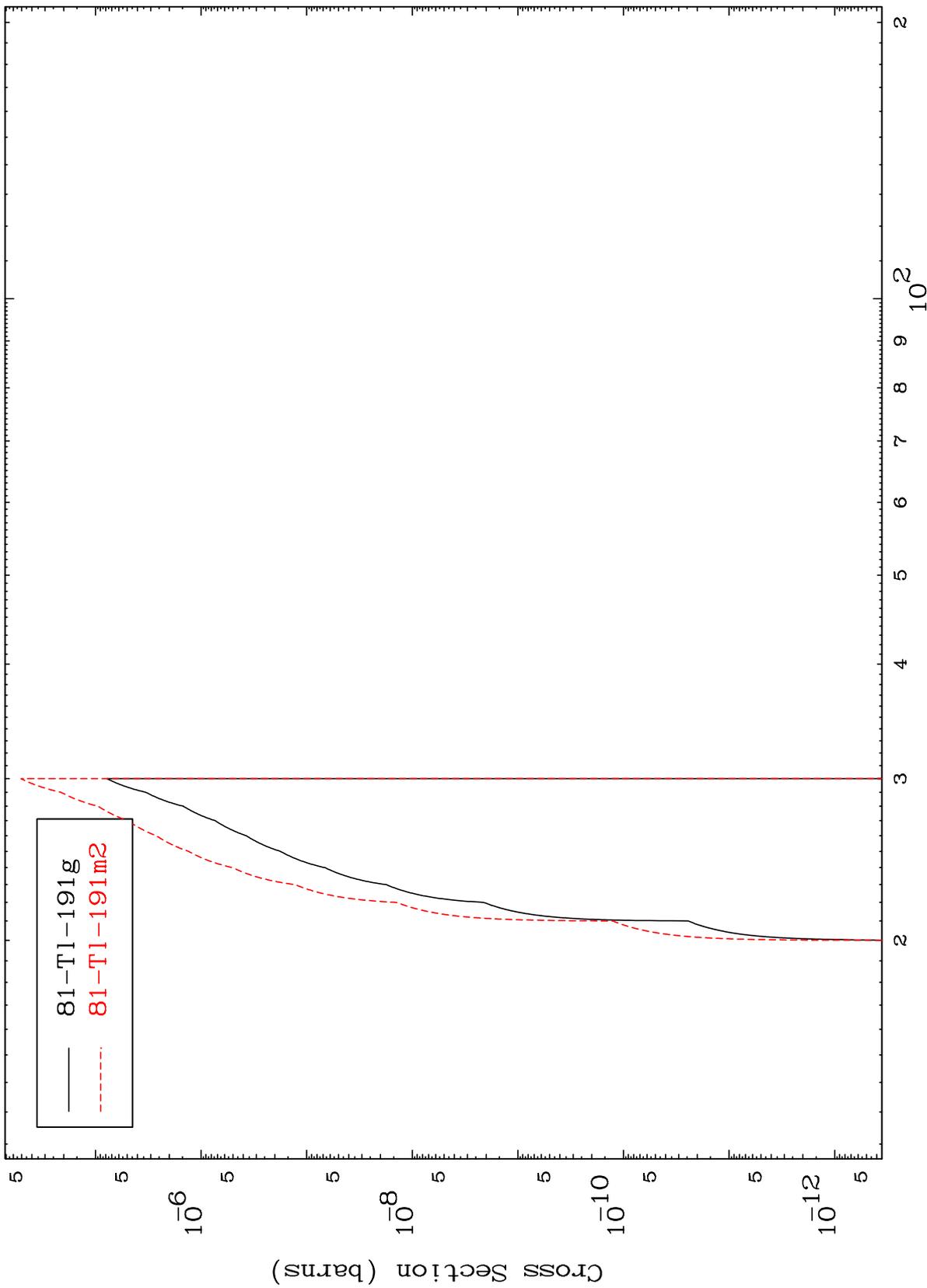
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MAT 8289

(n,3n)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



40

Incident Energy (MeV)

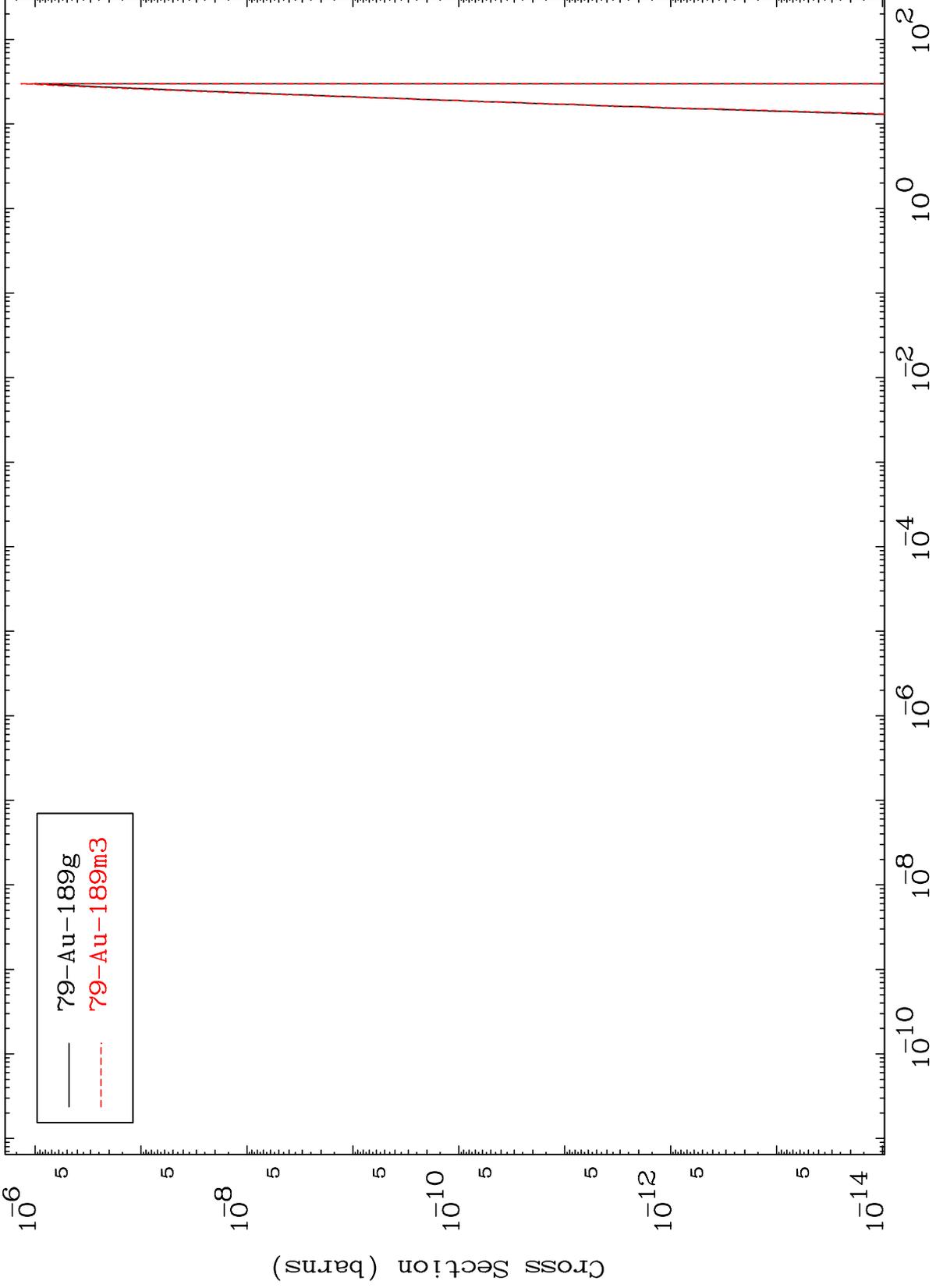
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MAT 8289

(n,n') 2 $\alpha$

83-Bi-197

Radionuclide Production Cross Section



41

Incident Energy (MeV)

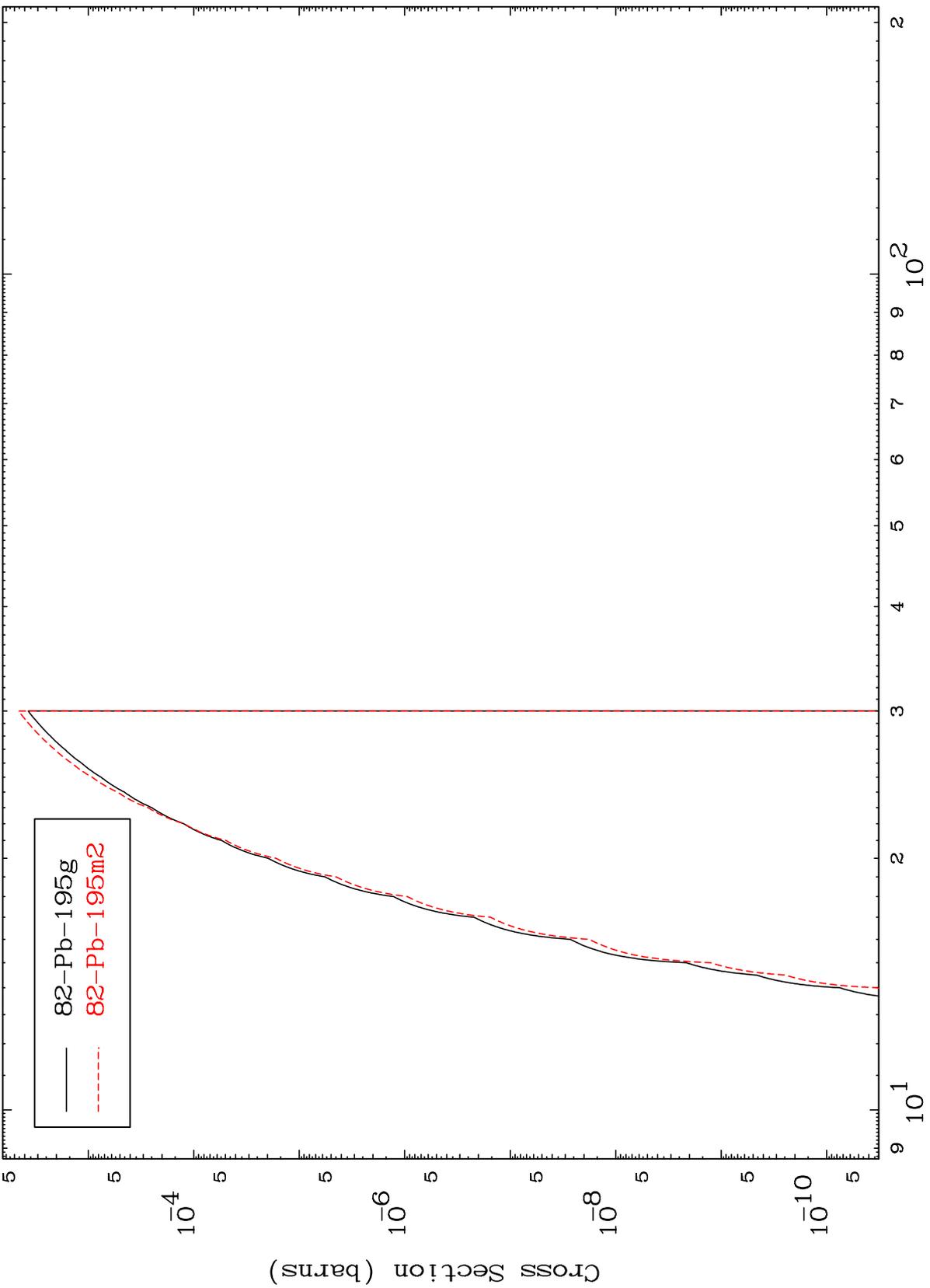
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MAT 8289

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



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

Incident Energy (MeV)

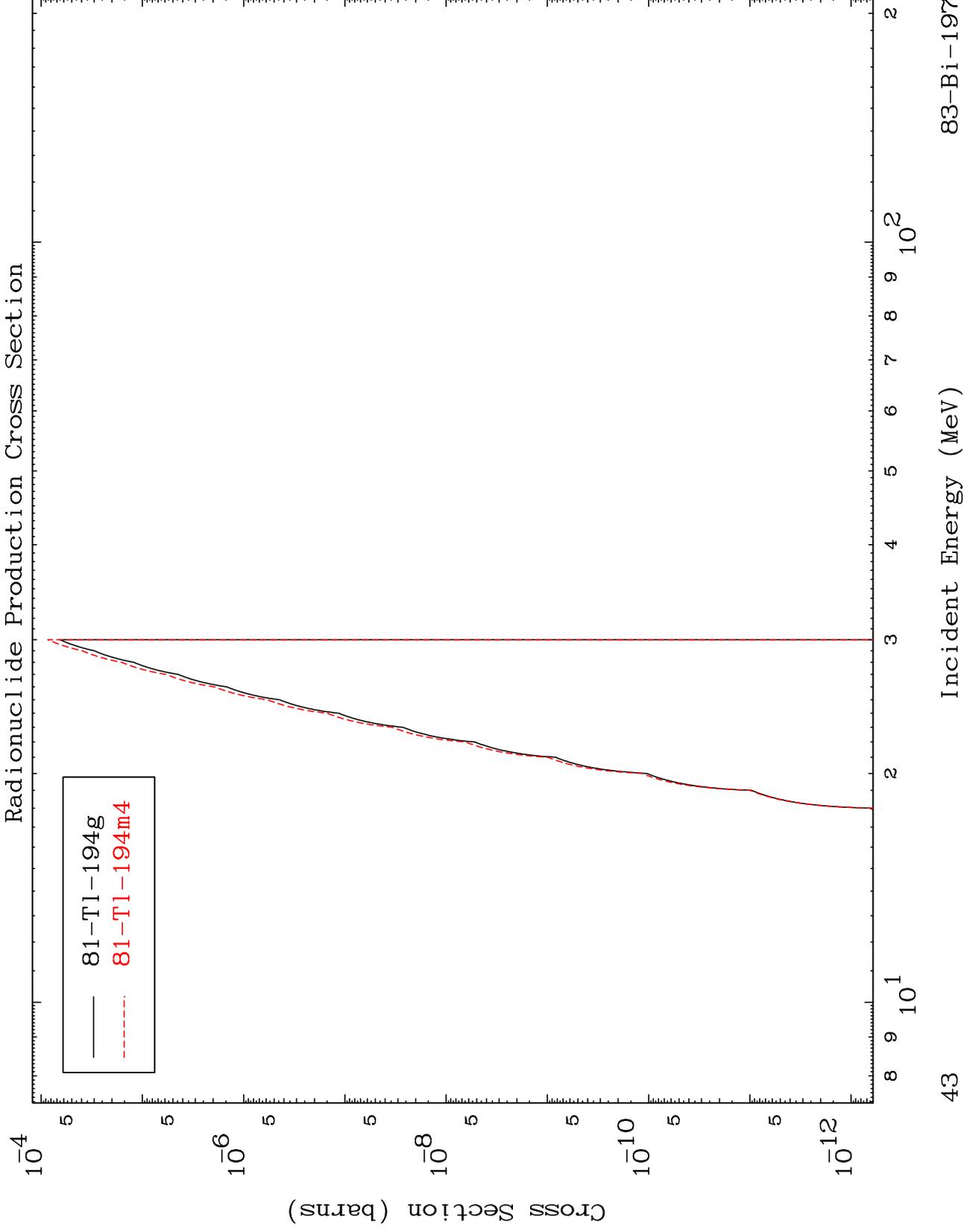
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42

MAT 8289

(n,n') He-3

83-Bi-197

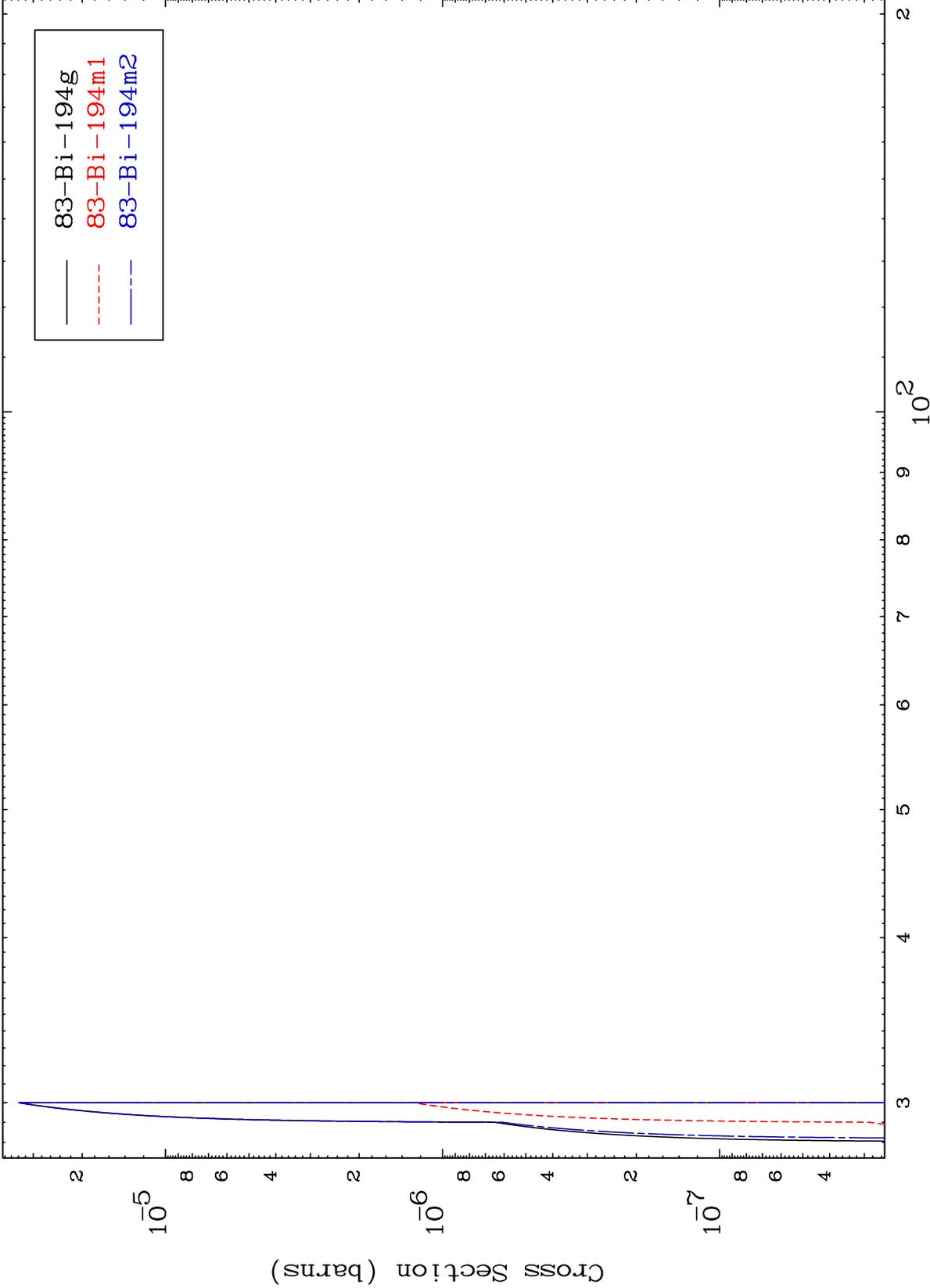


MAT 8289

(n,4n)

83-Bi-197

Radionuclide Production Cross Section



83-Bi-194g  
83-Bi-194m1  
83-Bi-194m2

44

Incident Energy (MeV)

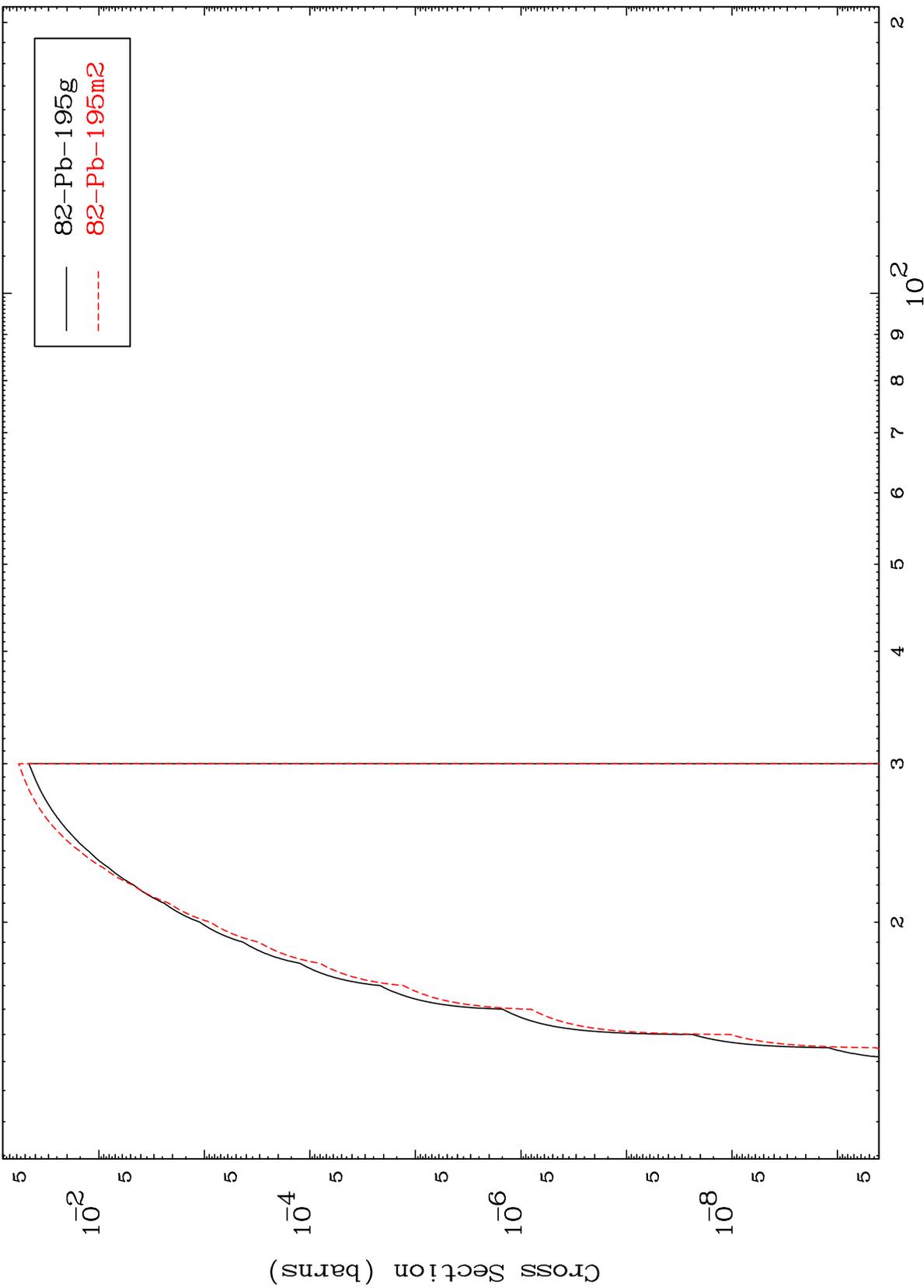
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MAT 8289

$(n,2n)$  p

83-Bi-197

Radionuclide Production Cross Section



45

Incident Energy (MeV)

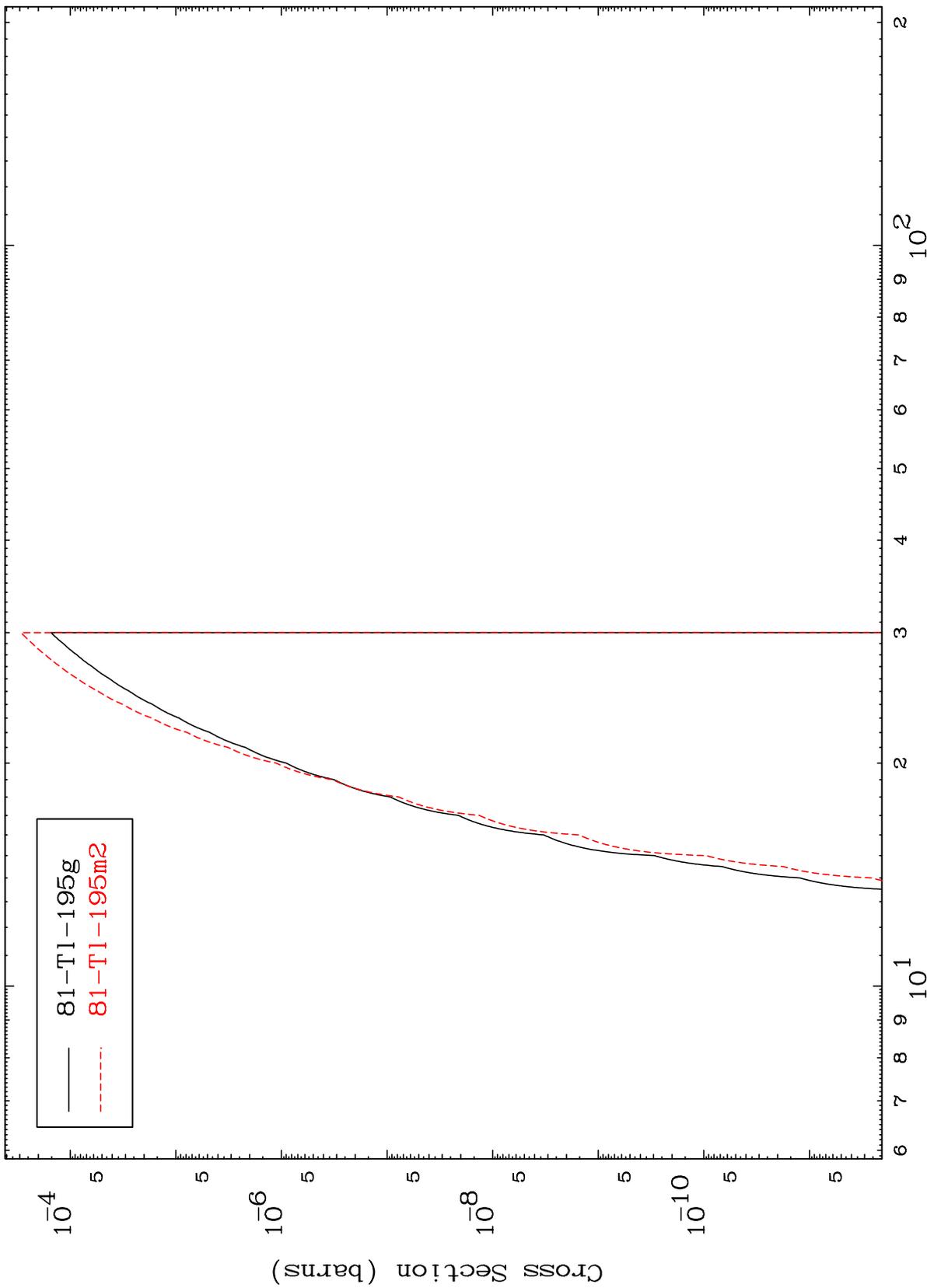
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



46

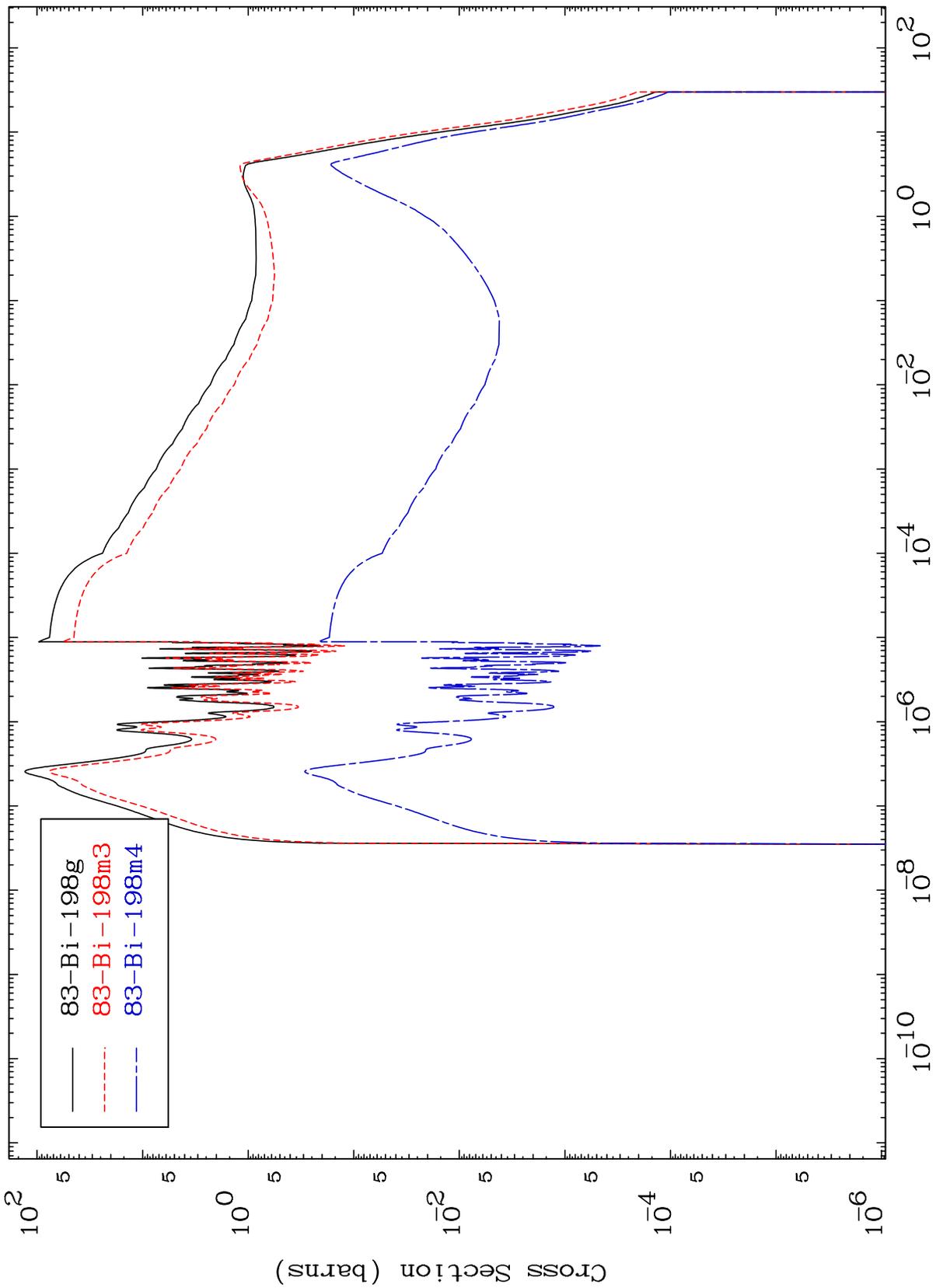
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

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



83-Bi-197

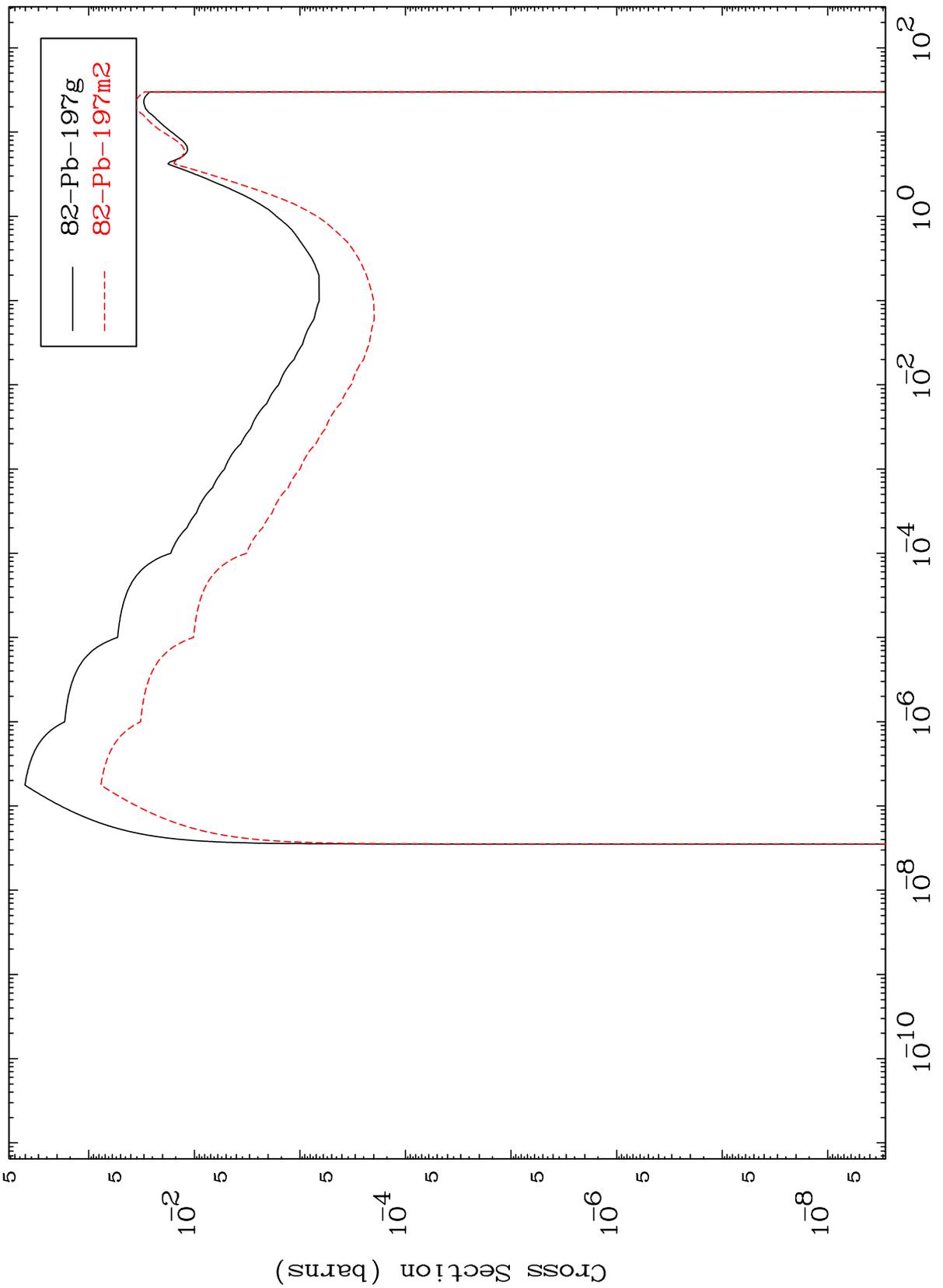
Incident Energy (MeV)

47

MAT 8289

83-Bi-197

(n,p)  
Radionuclide Production Cross Section



48

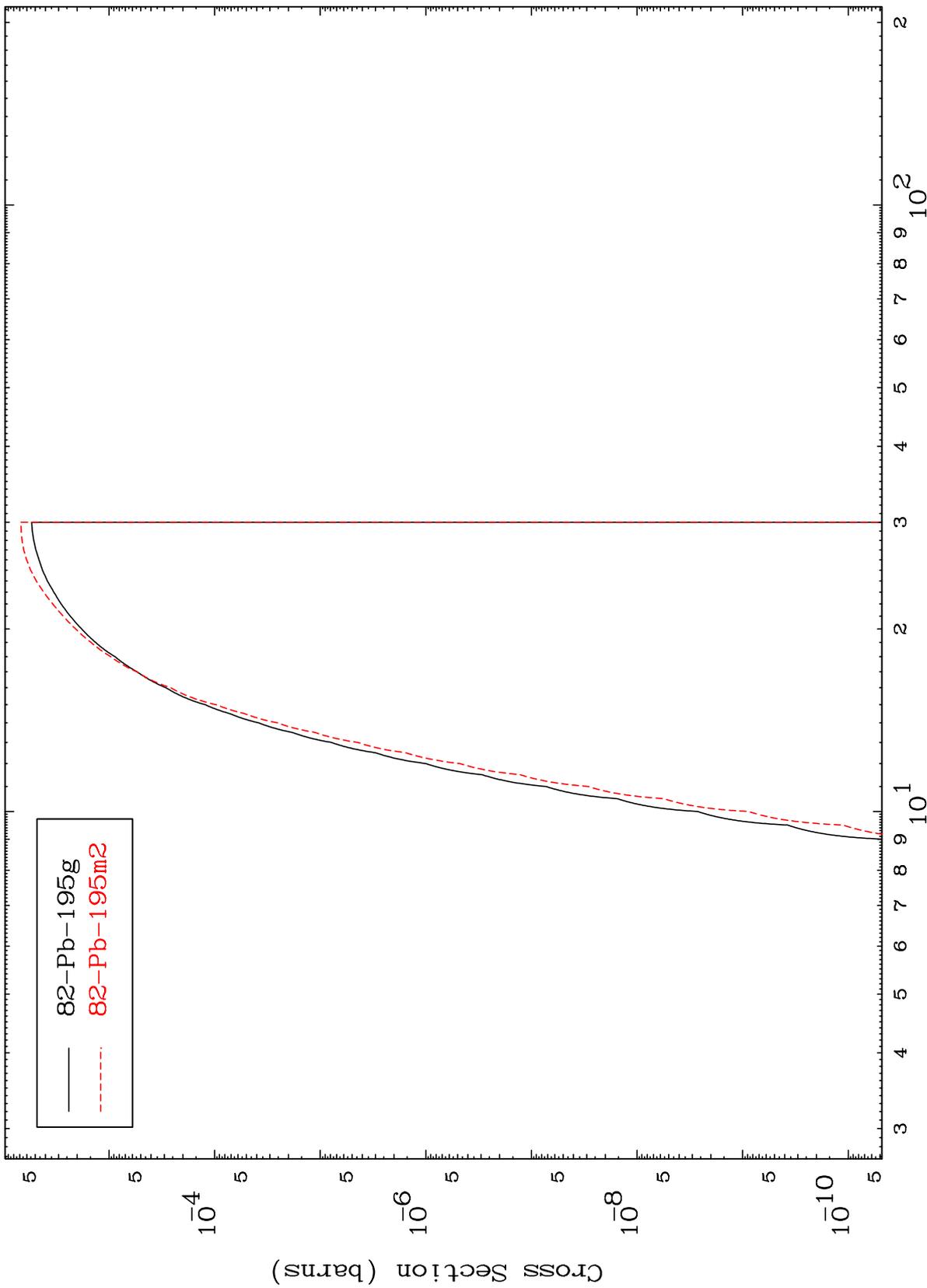
83-Bi-197

Incident Energy (MeV)

MAT 8289

83-Bi-197

(n, t)  
Radionuclide Production Cross Section



49

Incident Energy (MeV)

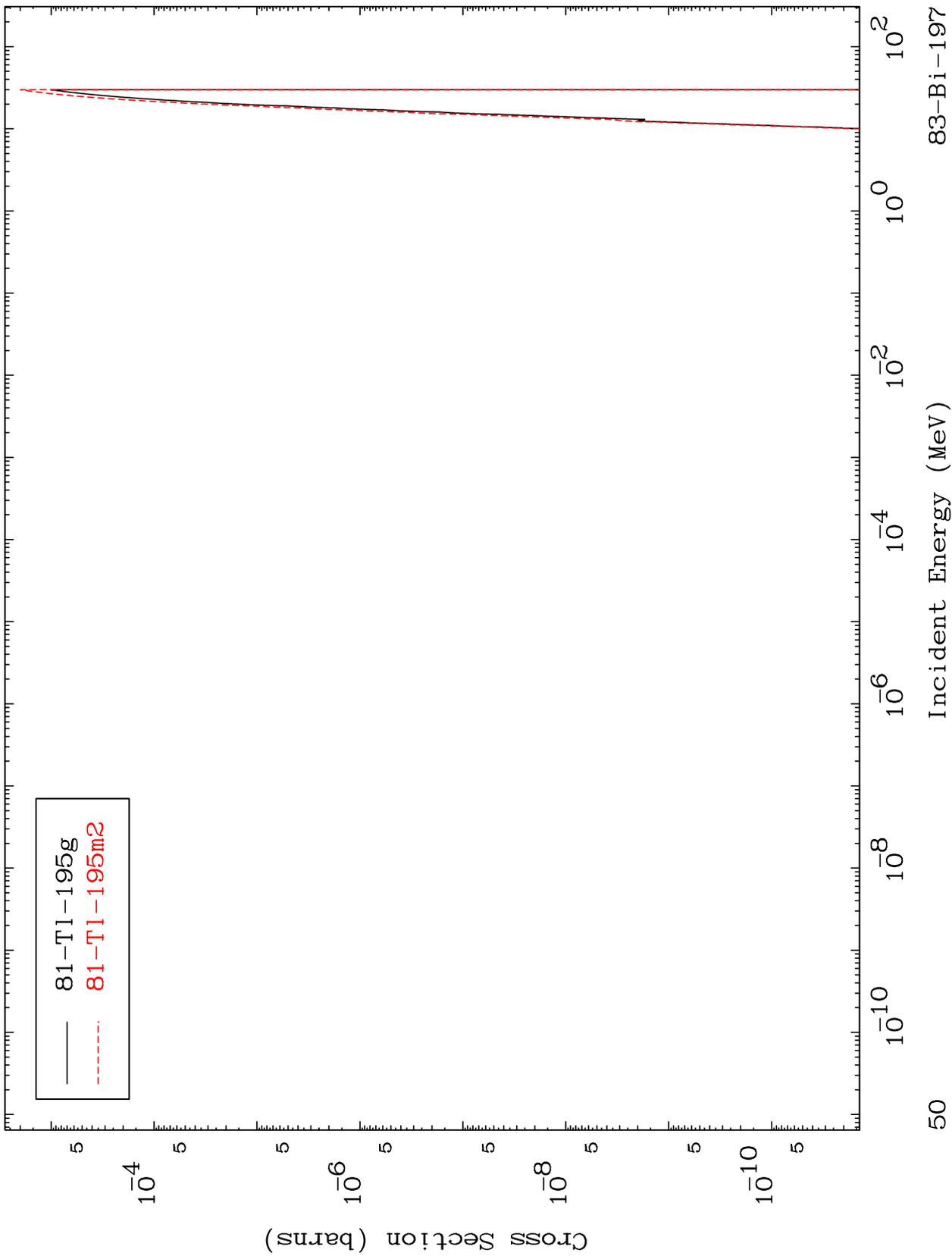
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MAT 8289

(n,He-3)

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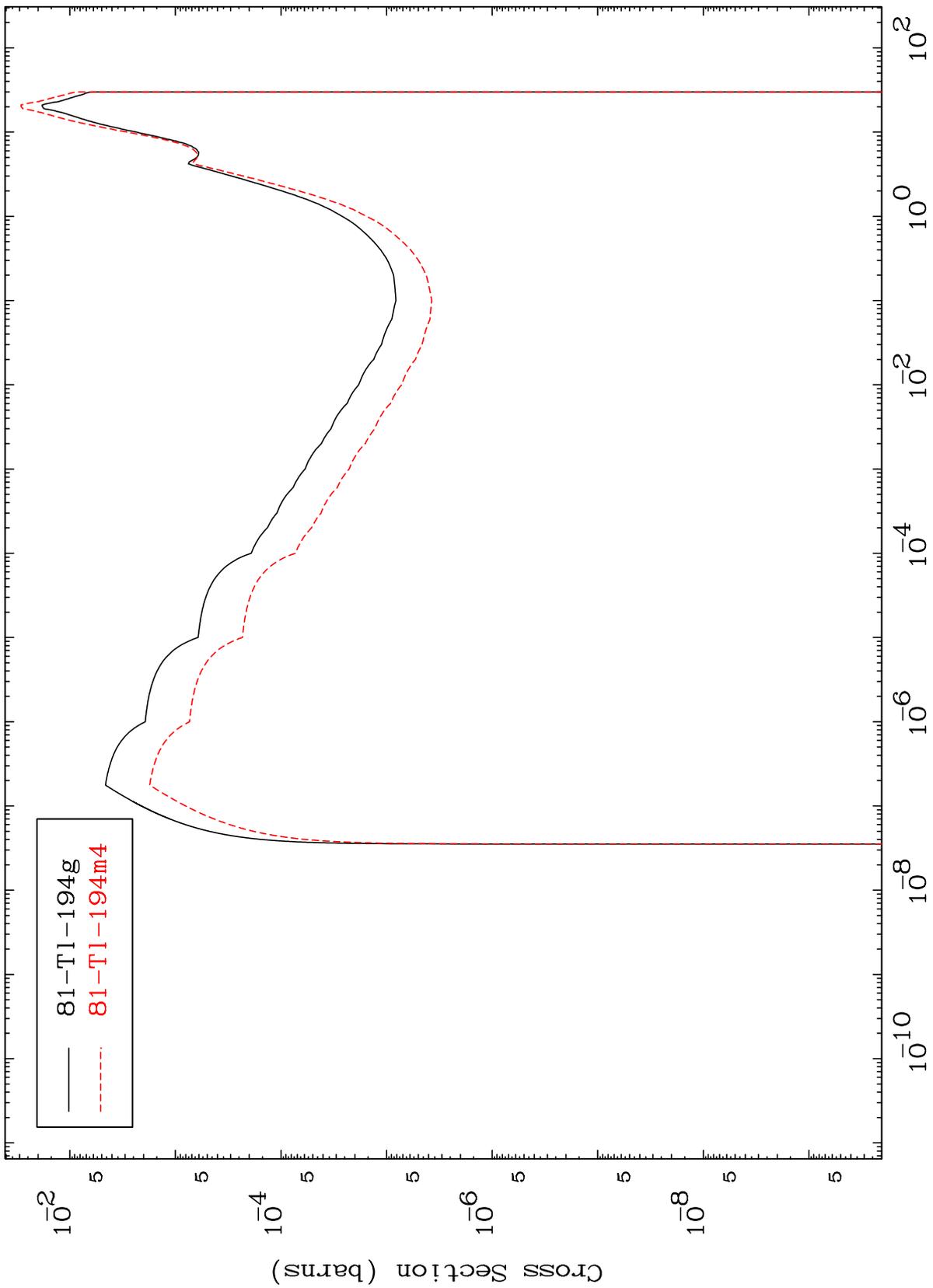
Radionuclide Production Cross Section



MAT 8289

83-Bi-197

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

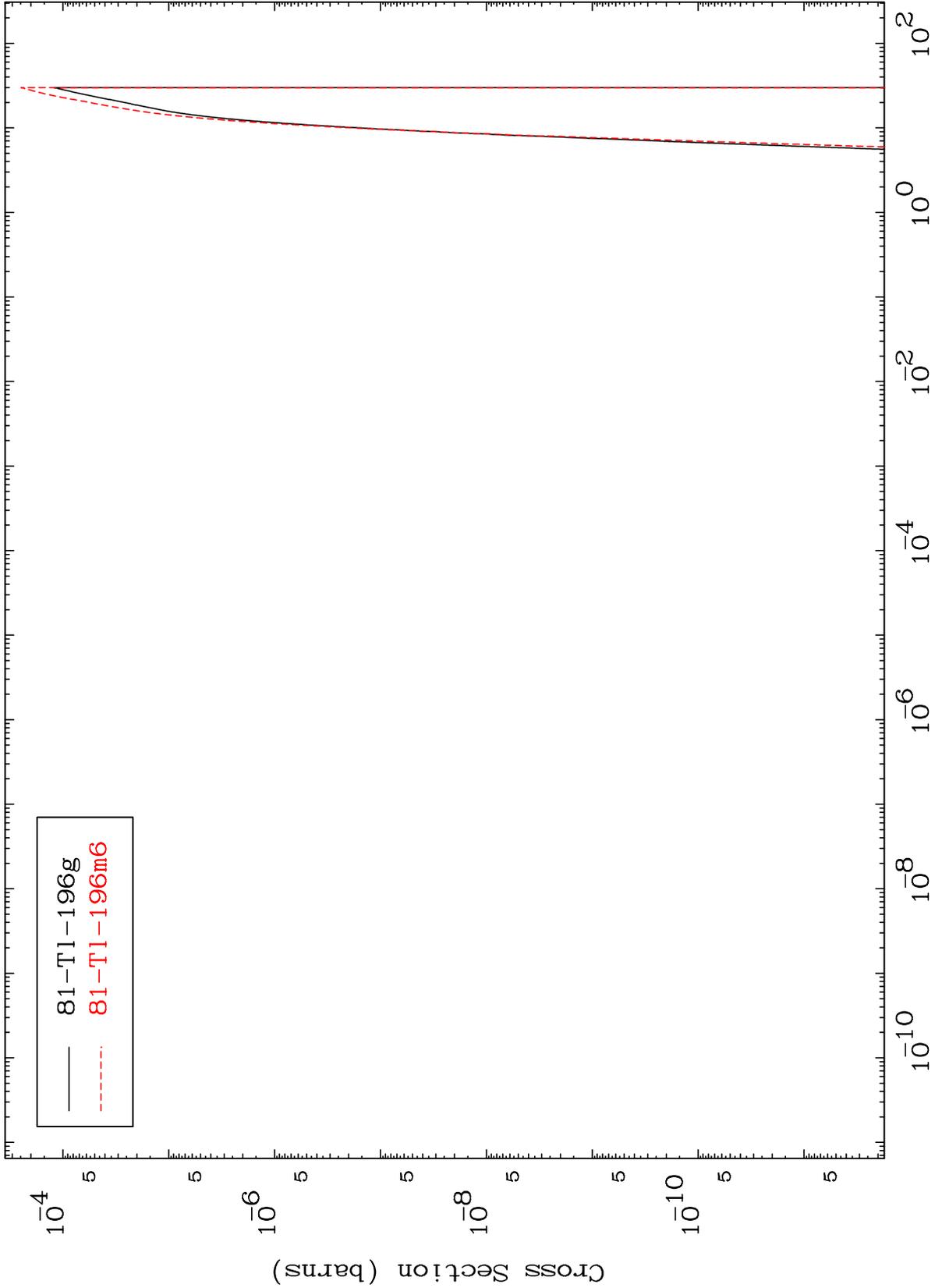


MAT 8289

(n,2p)

83-Bi-197

Radionuclide Production Cross Section

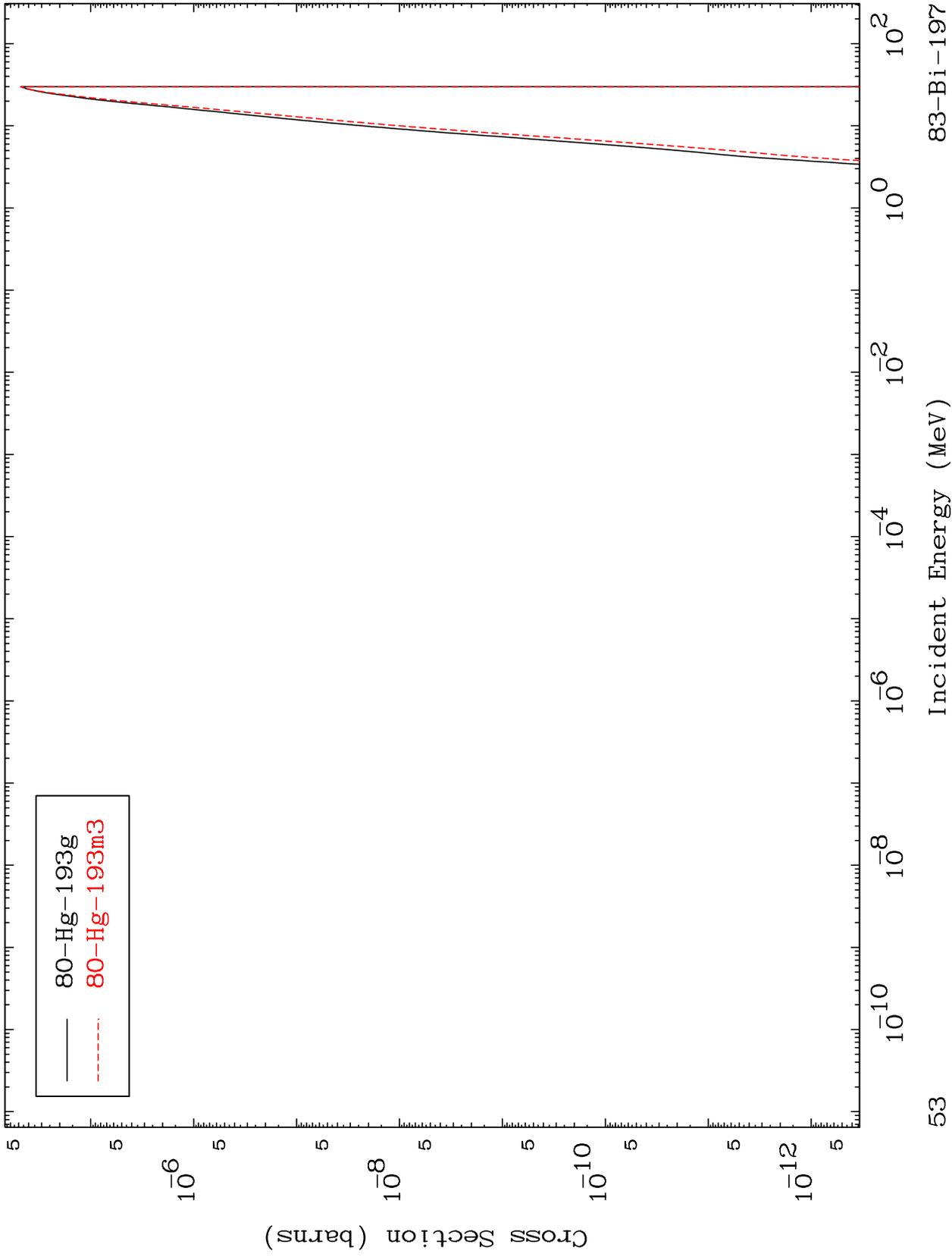


MAT 8289

(n,p)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



53

Incident Energy (MeV)

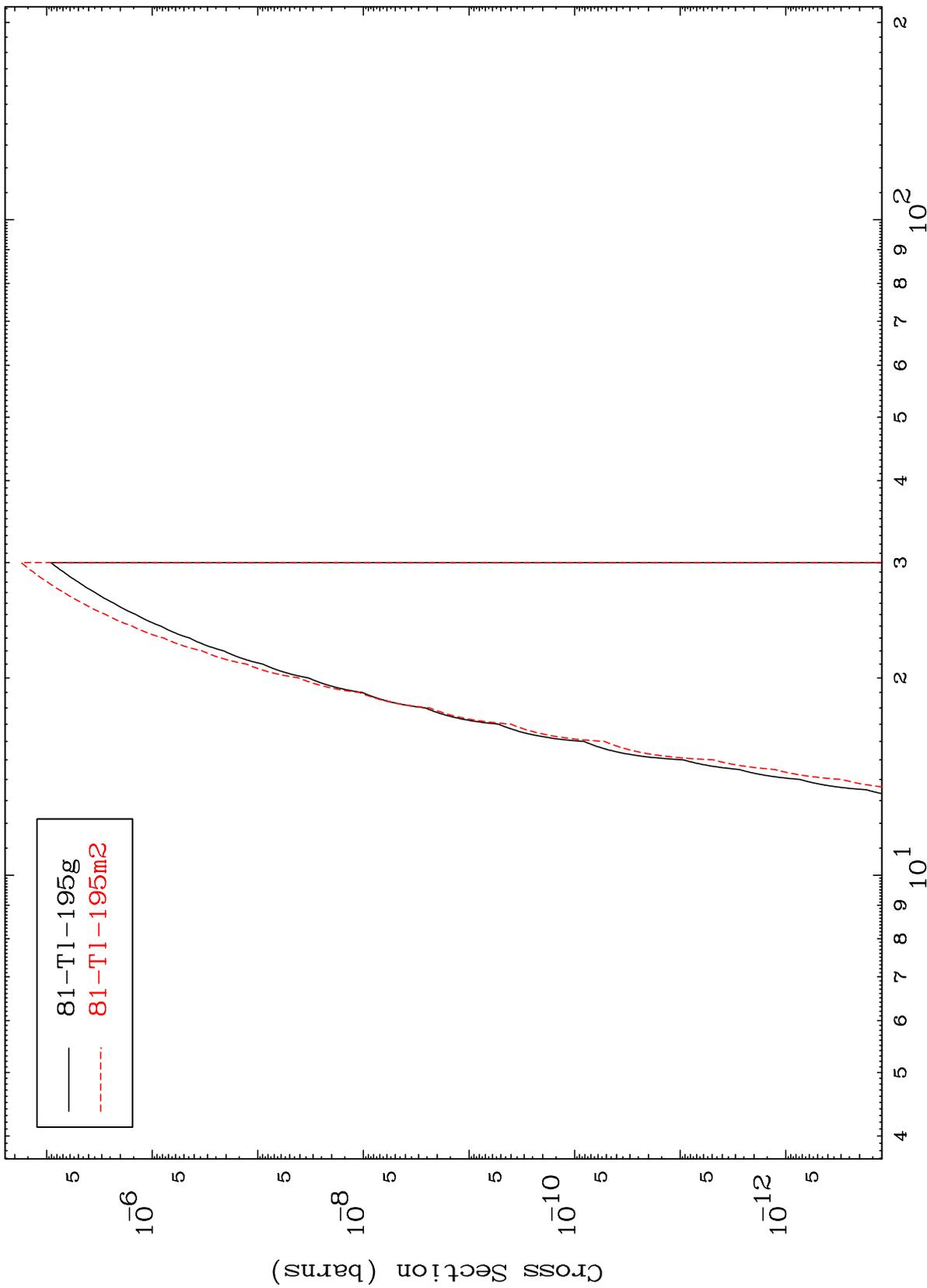
83-Bi-197

MAT 8289

(n,p) d

83-Bi-197

Radionuclide Production Cross Section



54

Incident Energy (MeV)

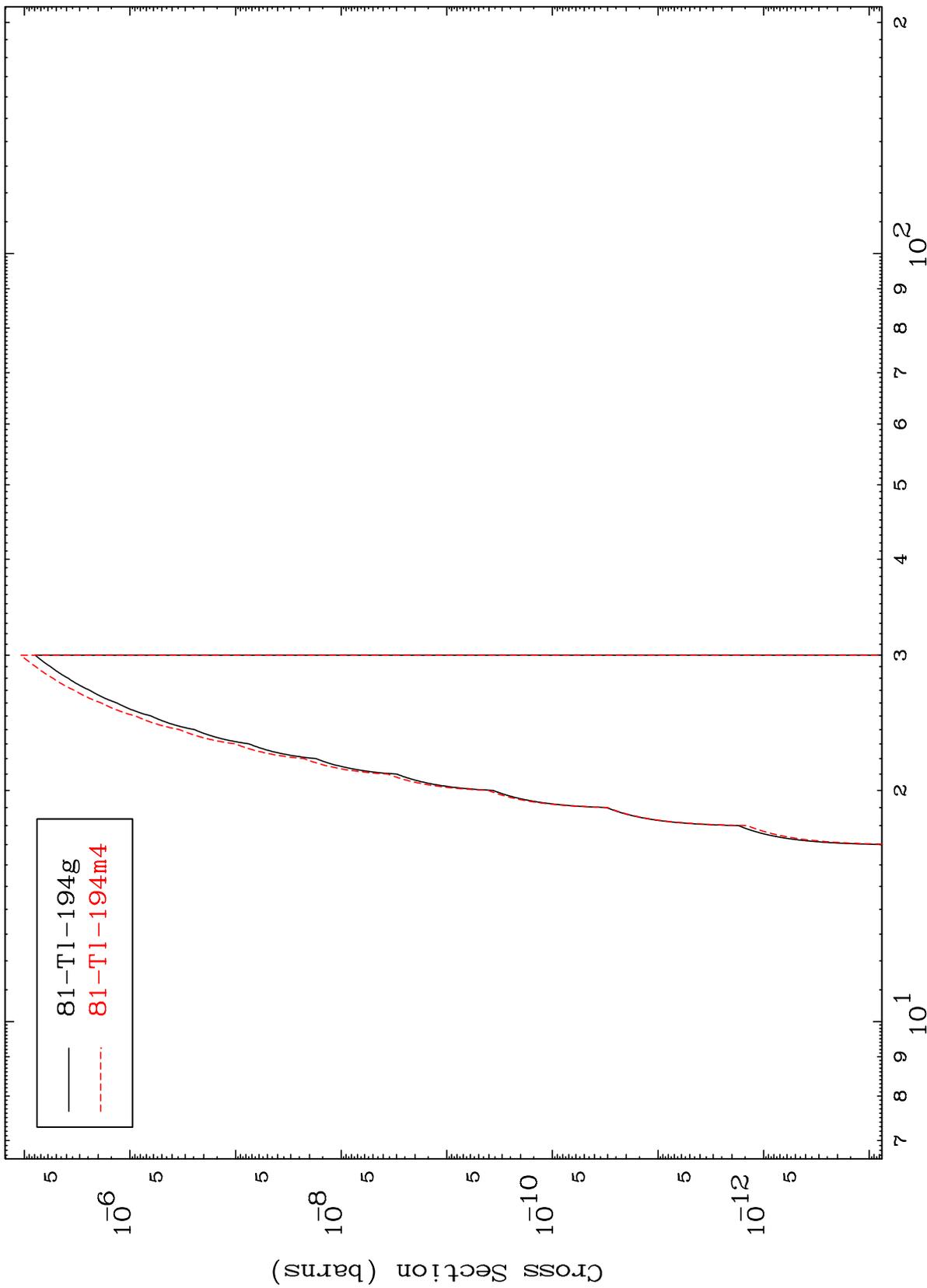
83-Bi-197

MAT 8289

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



55

Incident Energy (MeV)

83-Bi-197