

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

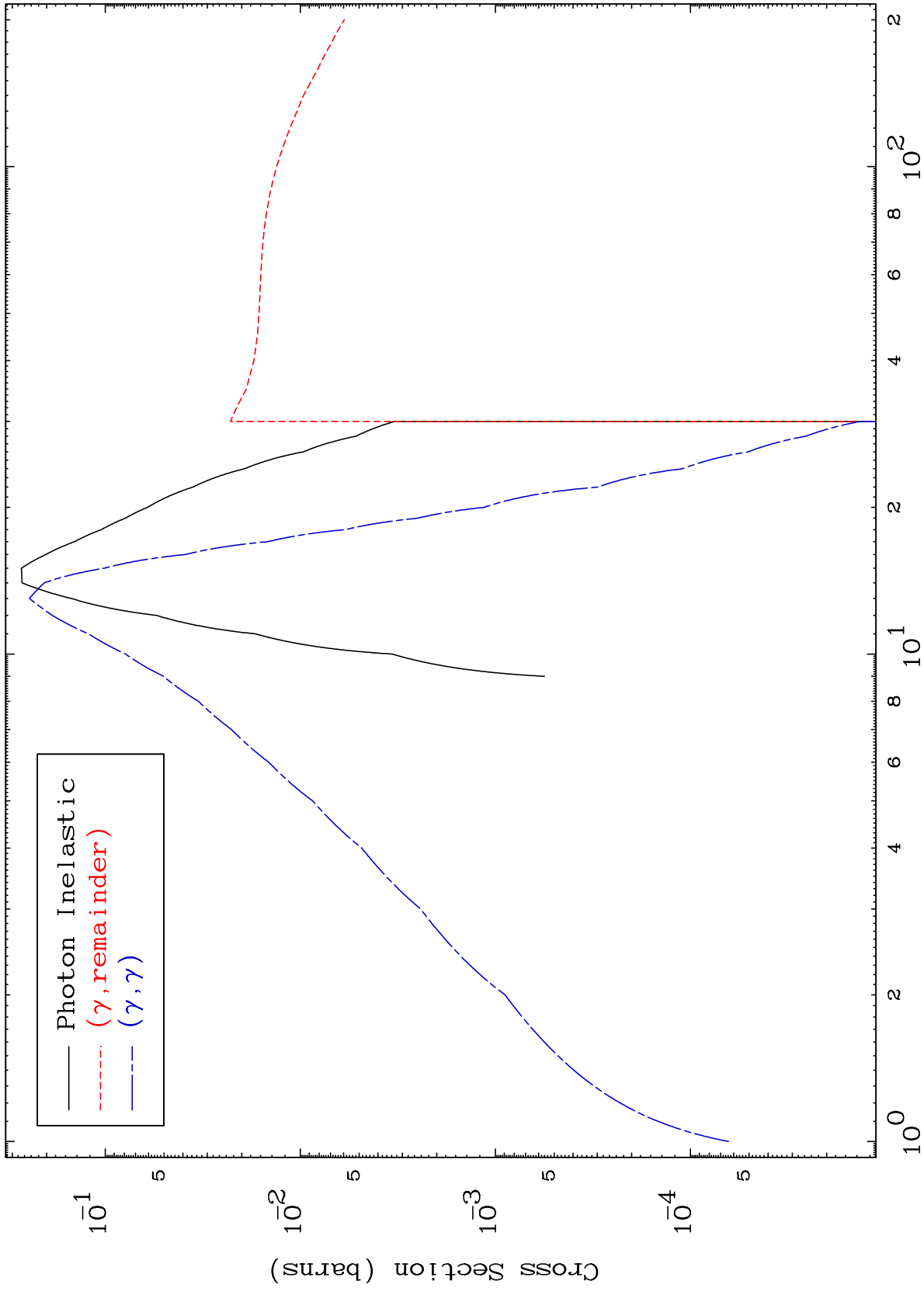
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8280

Photon Major  
0 Kelvin Cross Sections

83-Bi-194



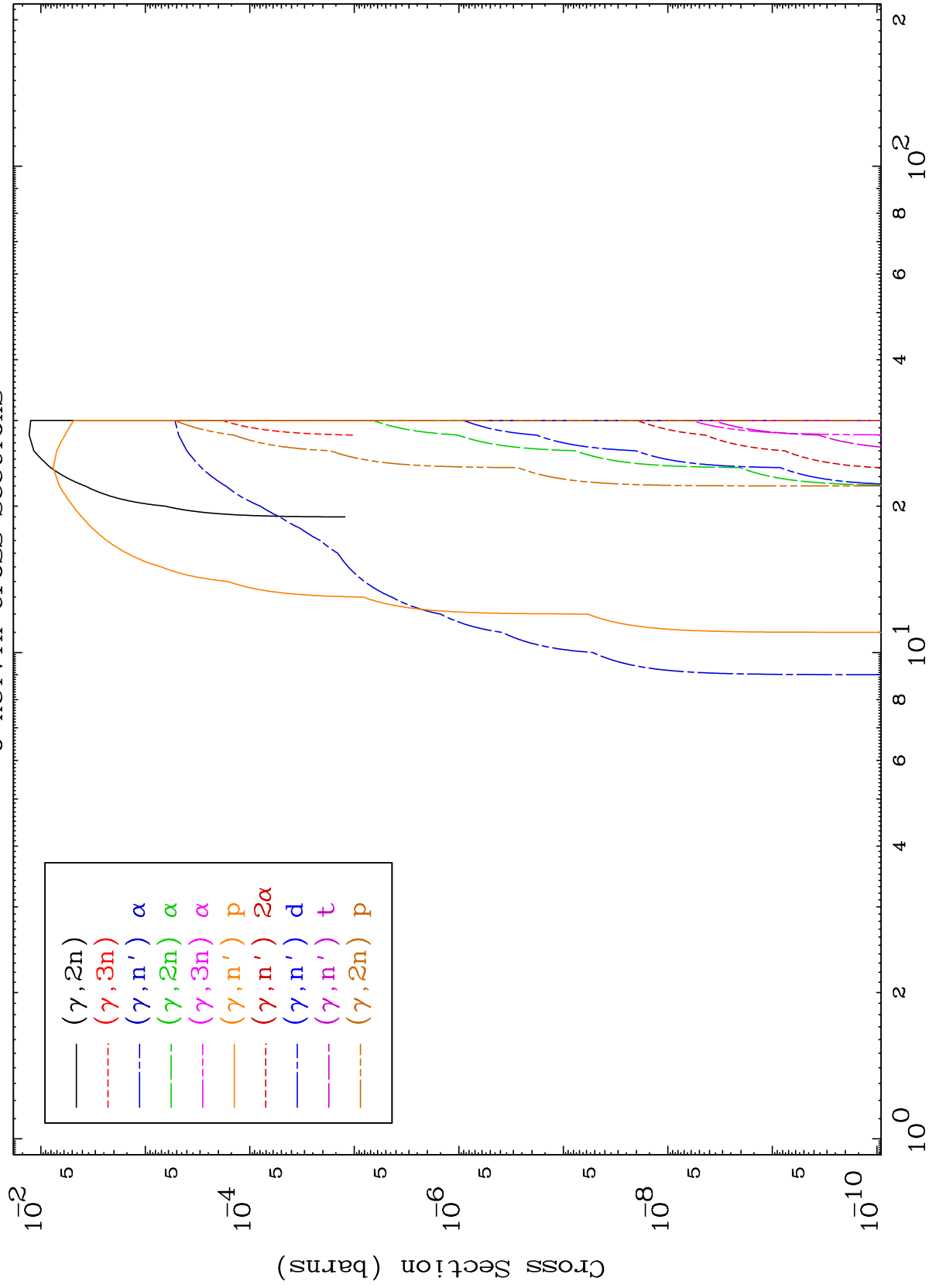
Incident Energy (MeV)

83-Bi-194

MAT 8280

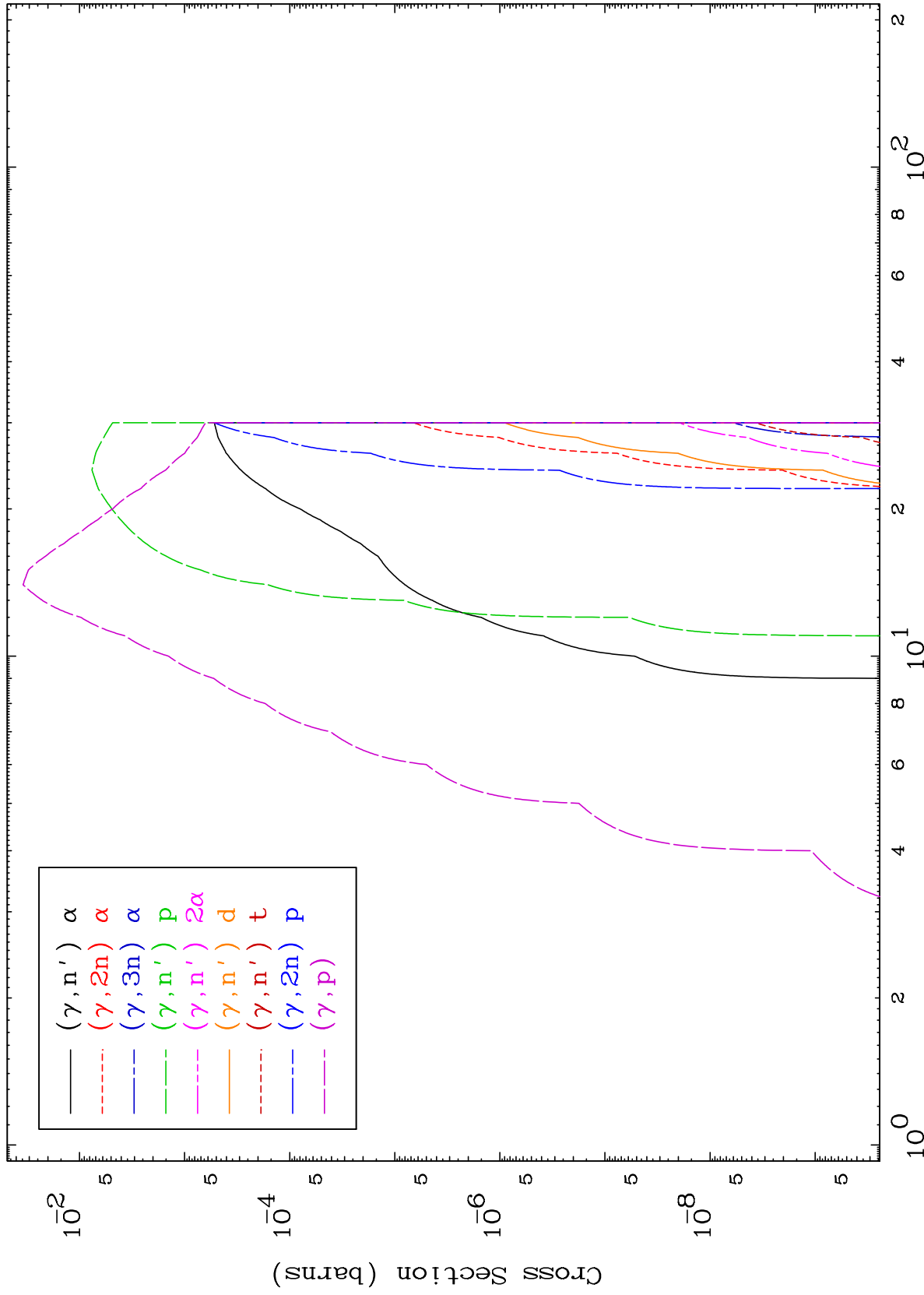
Photon Neutron Production  
0 Kelvin Cross Sections

83-Bi-194



Incident Energy (MeV)

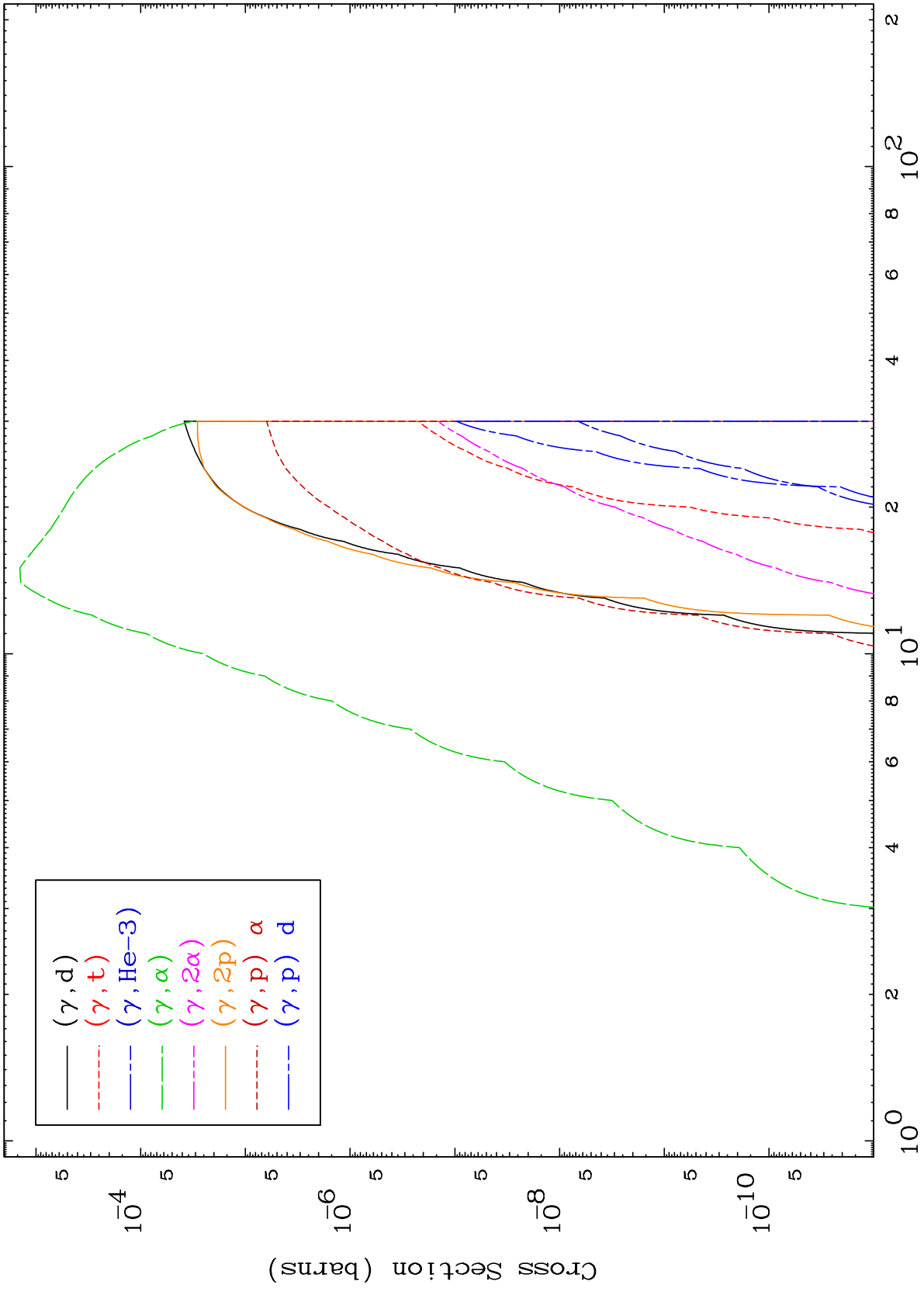
83-Bi-194



MAT 8280

Photon Charged Particle  
0 Kelvin Cross Sections

83-Bi-194



83-Bi-194

Incident Energy (MeV)

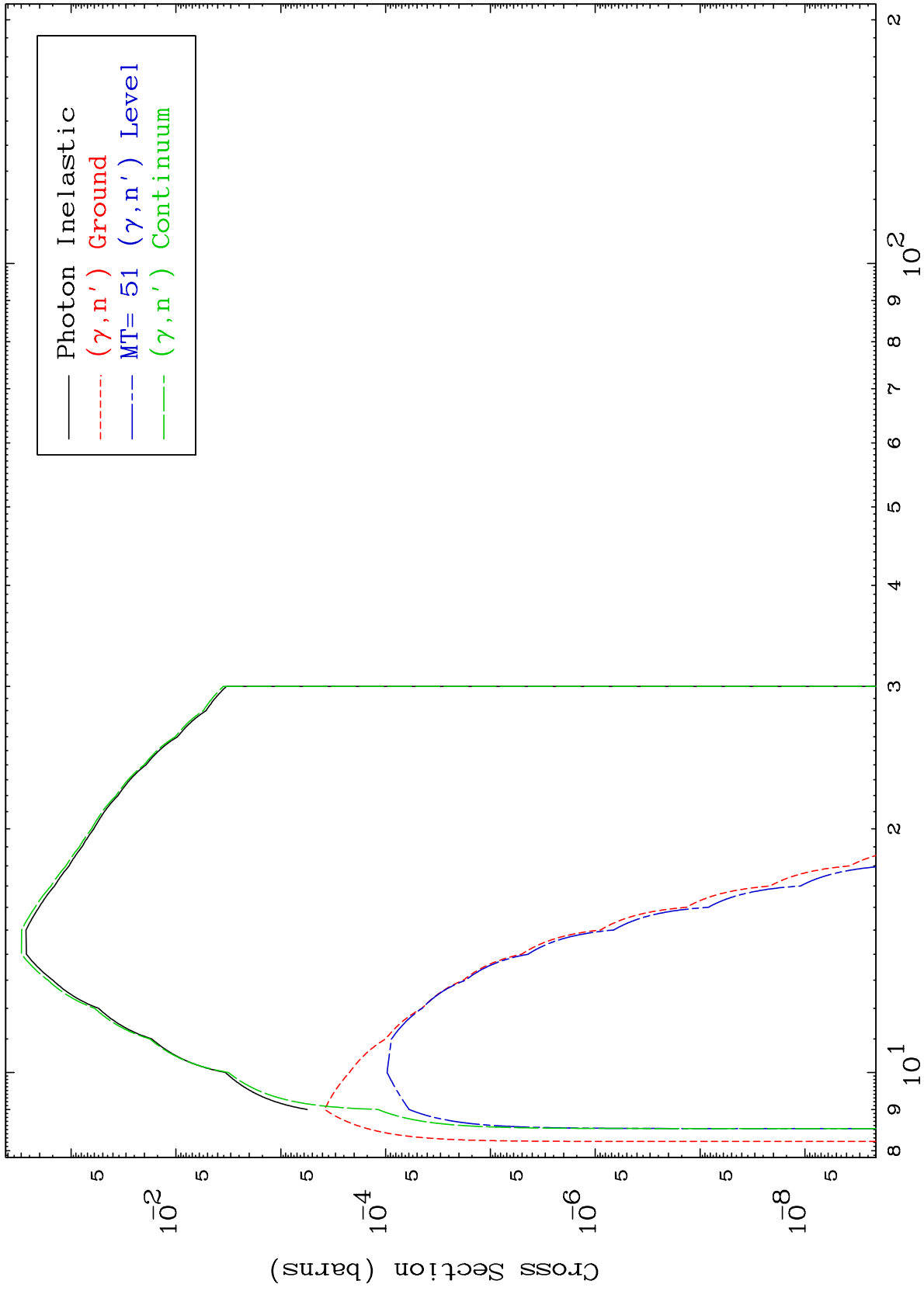
4

MAT 8280

$(\gamma, n')$  Level

83-Bi-194

0 Kelvin Cross Sections



5

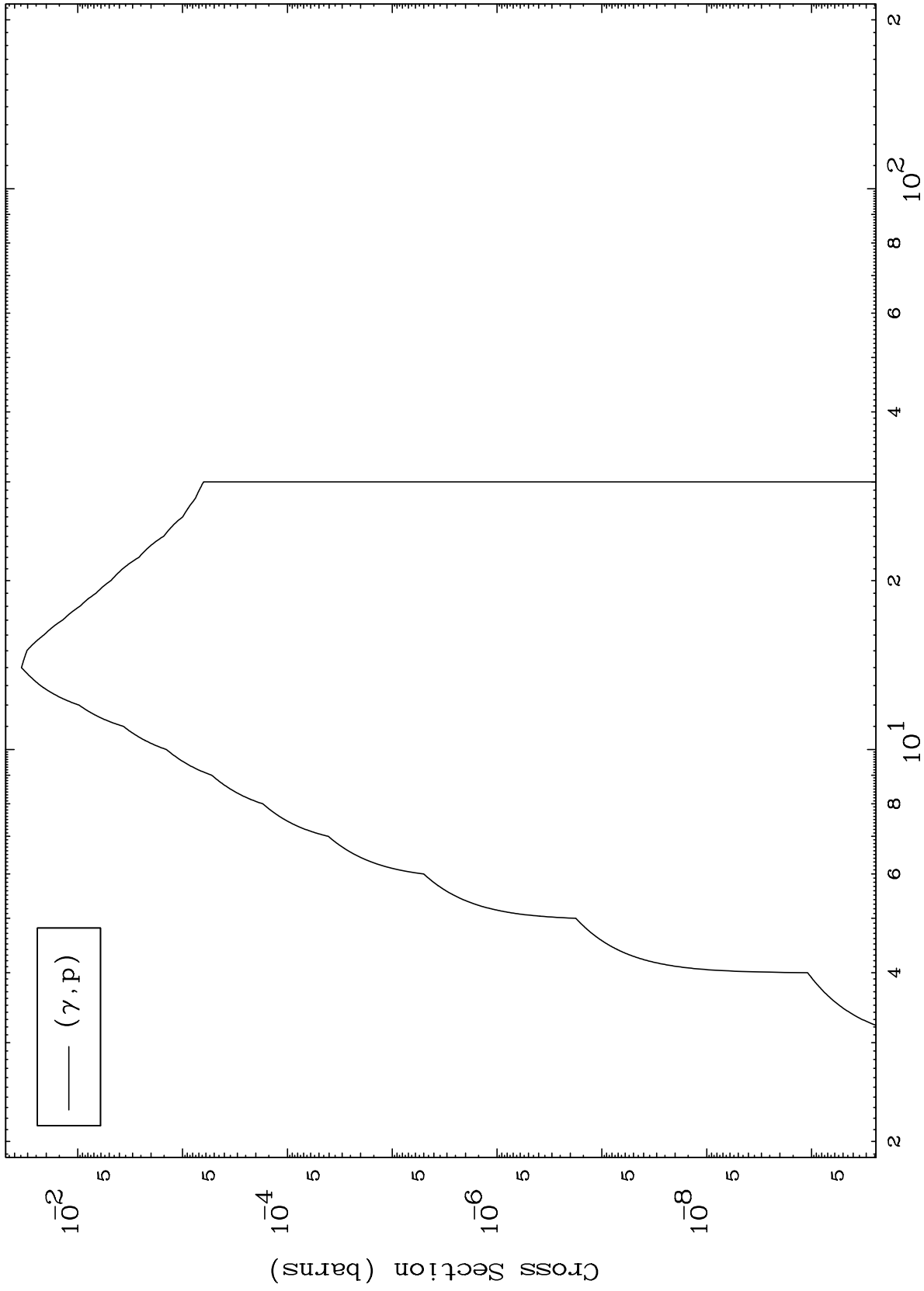
Incident Energy (MeV)

83-Bi-194

MAT 8280

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

83-Bi-194



6

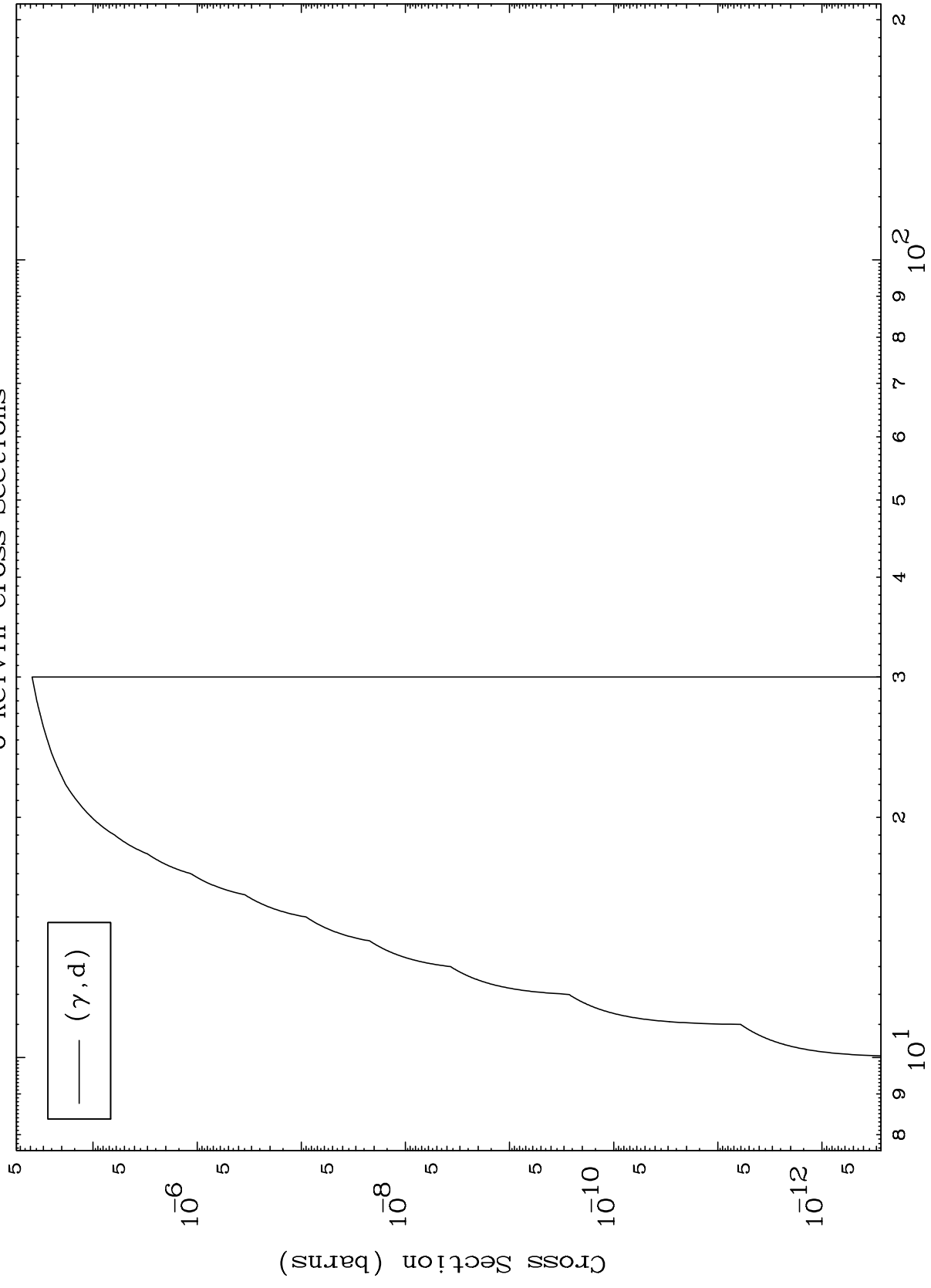
Incident Energy (MeV)

83-Bi-194

MAT 8280

( $\gamma, d$ ) Levels  
0 Kelvin Cross Sections

83-Bi-194

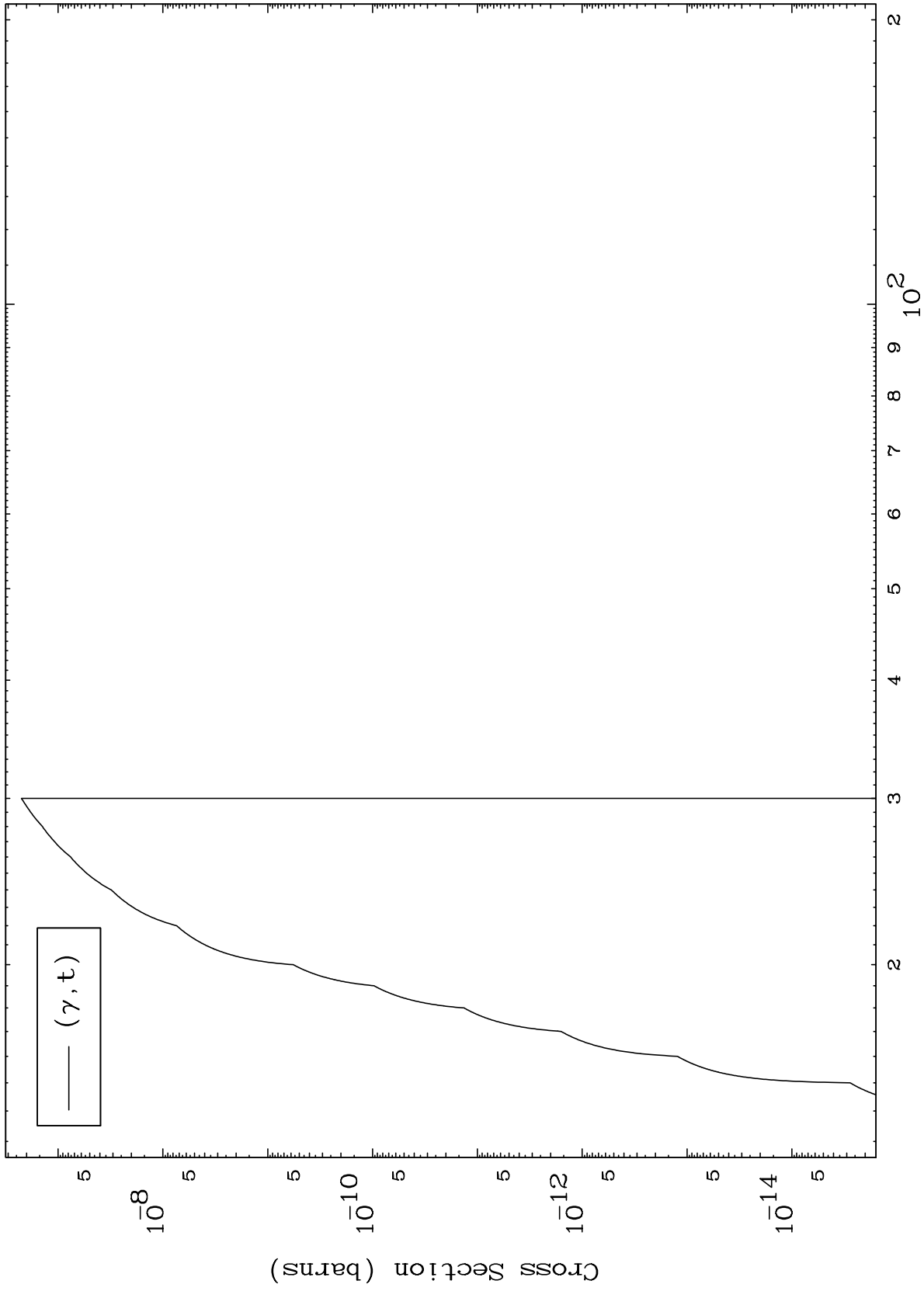


7

Incident Energy (MeV)

83-Bi-194

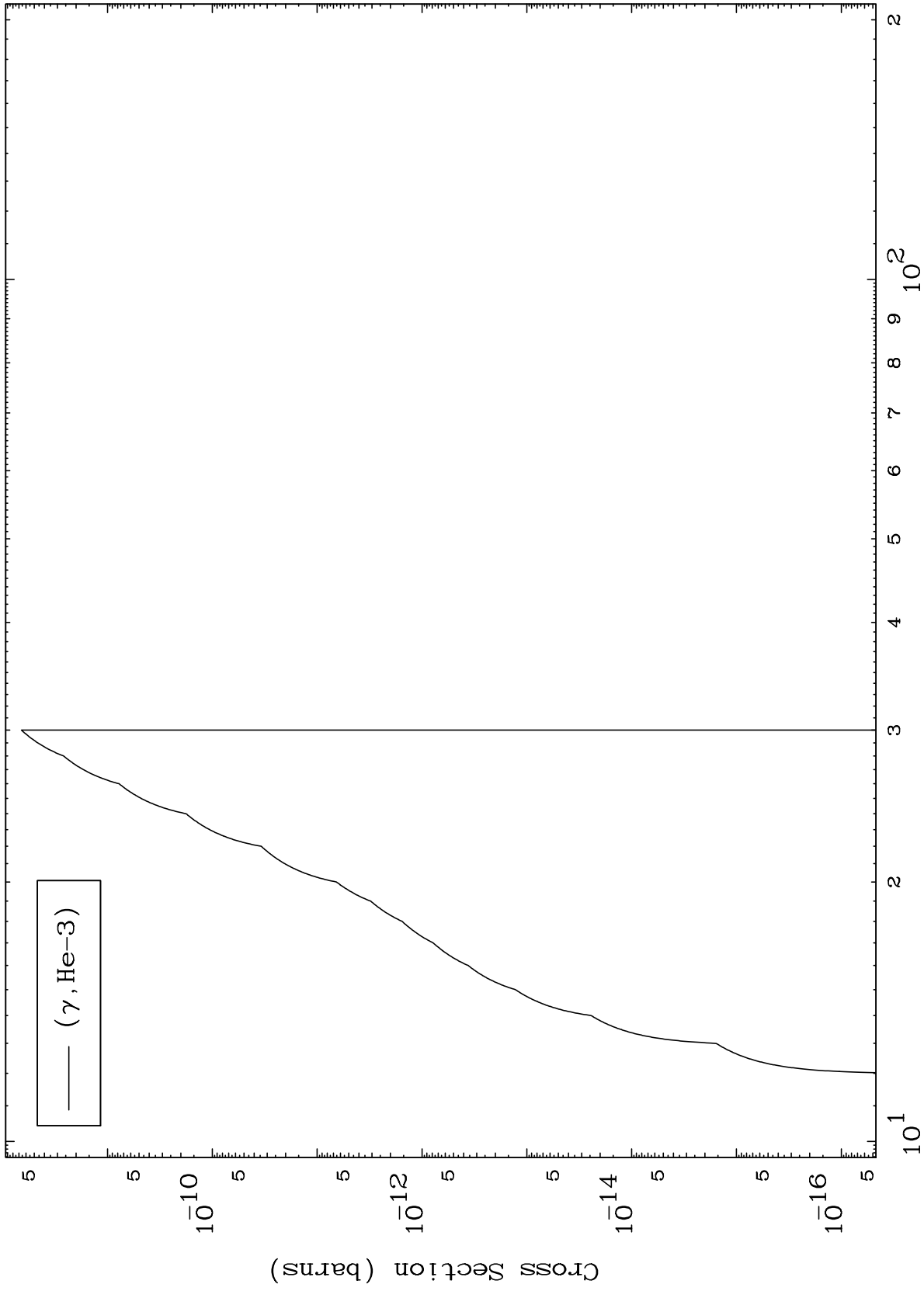




MAT 8280

( $\gamma, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

83-Bi-194



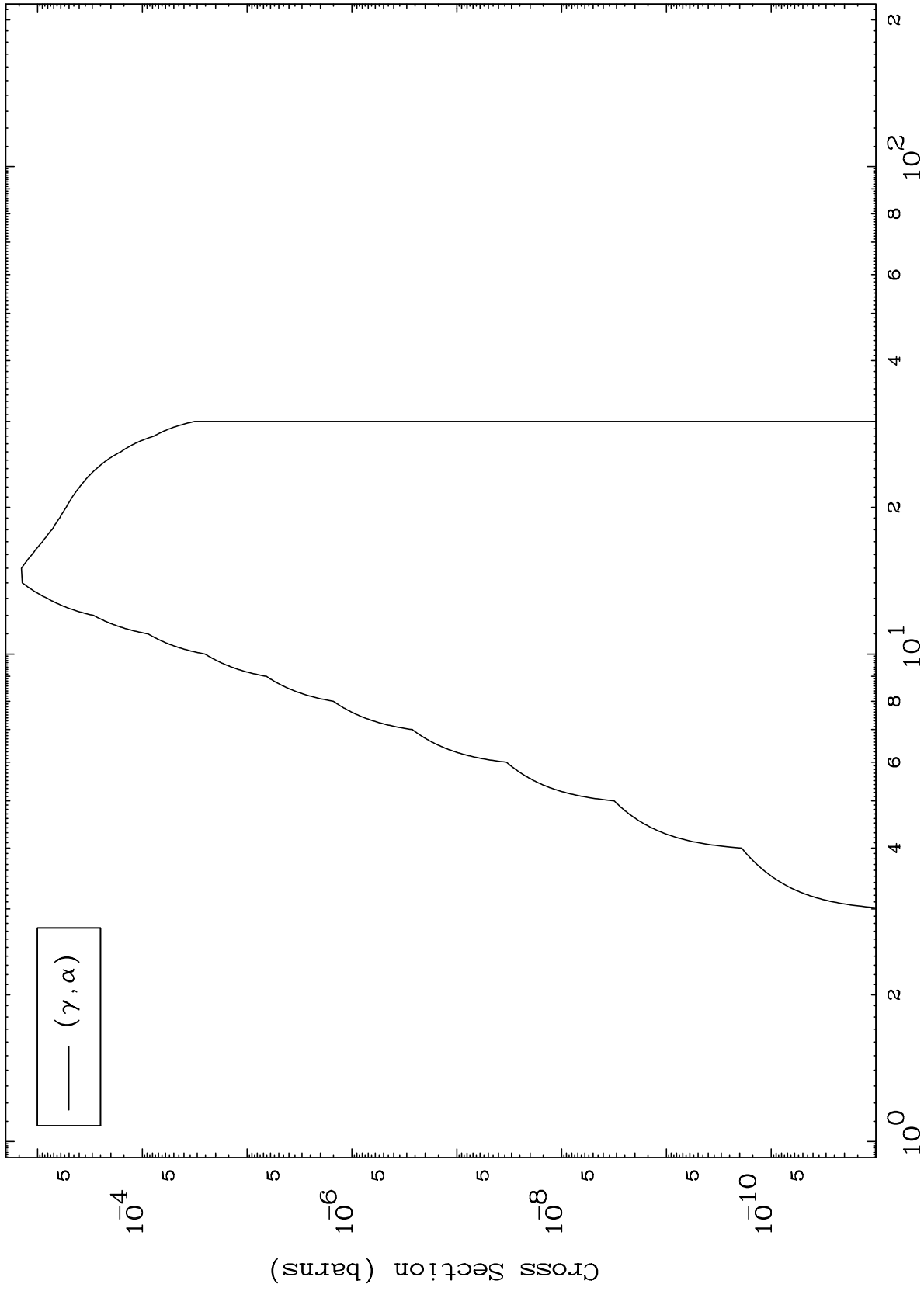
Incident Energy (MeV)

83-Bi-194

MAT 8280

( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

83-Bi-194



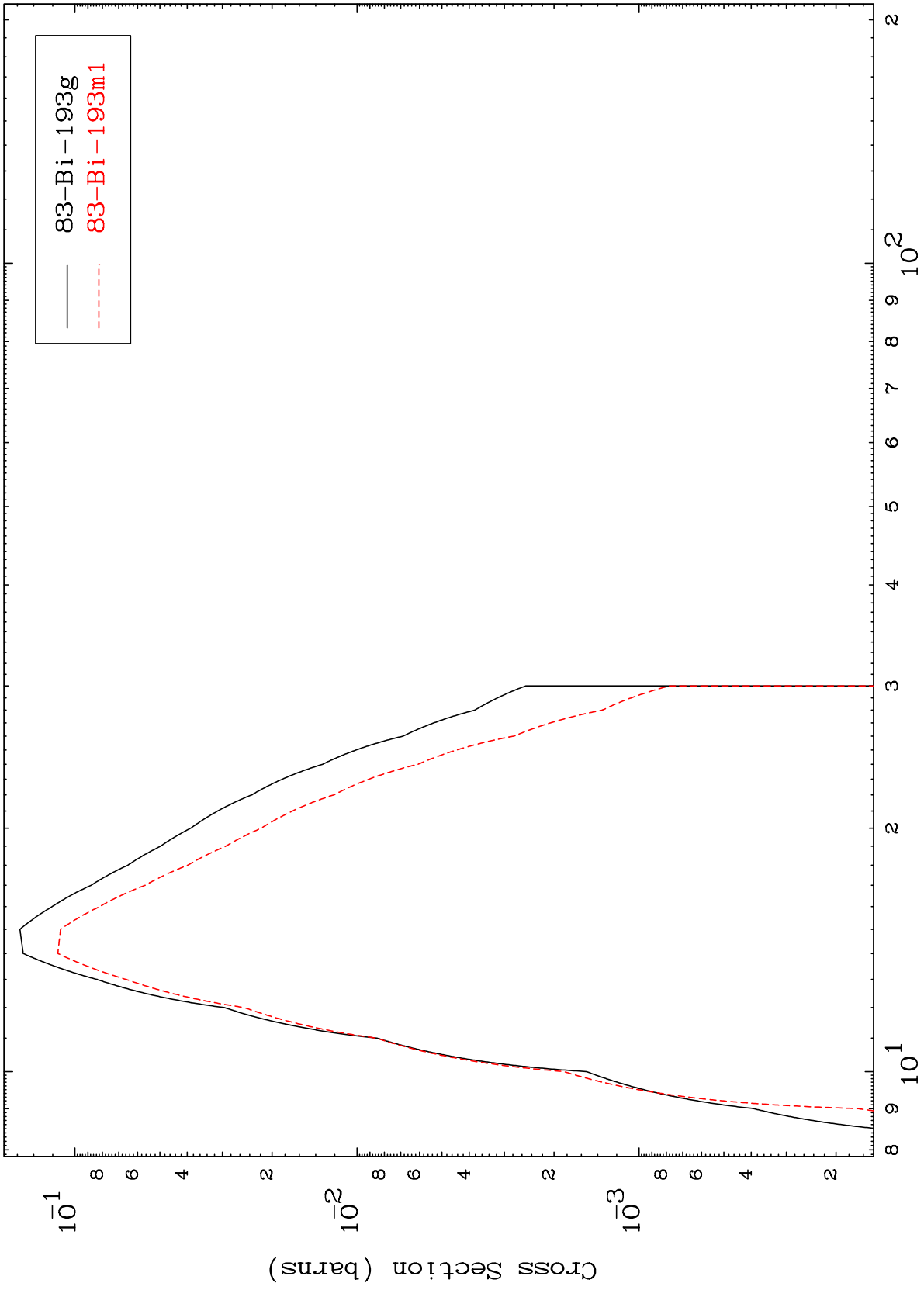
Incident Energy (MeV)

83-Bi-194

MAT 8280

Photon Inelastic  
Radionuclide Production Cross Section

$^{83}\text{Bi-194}$



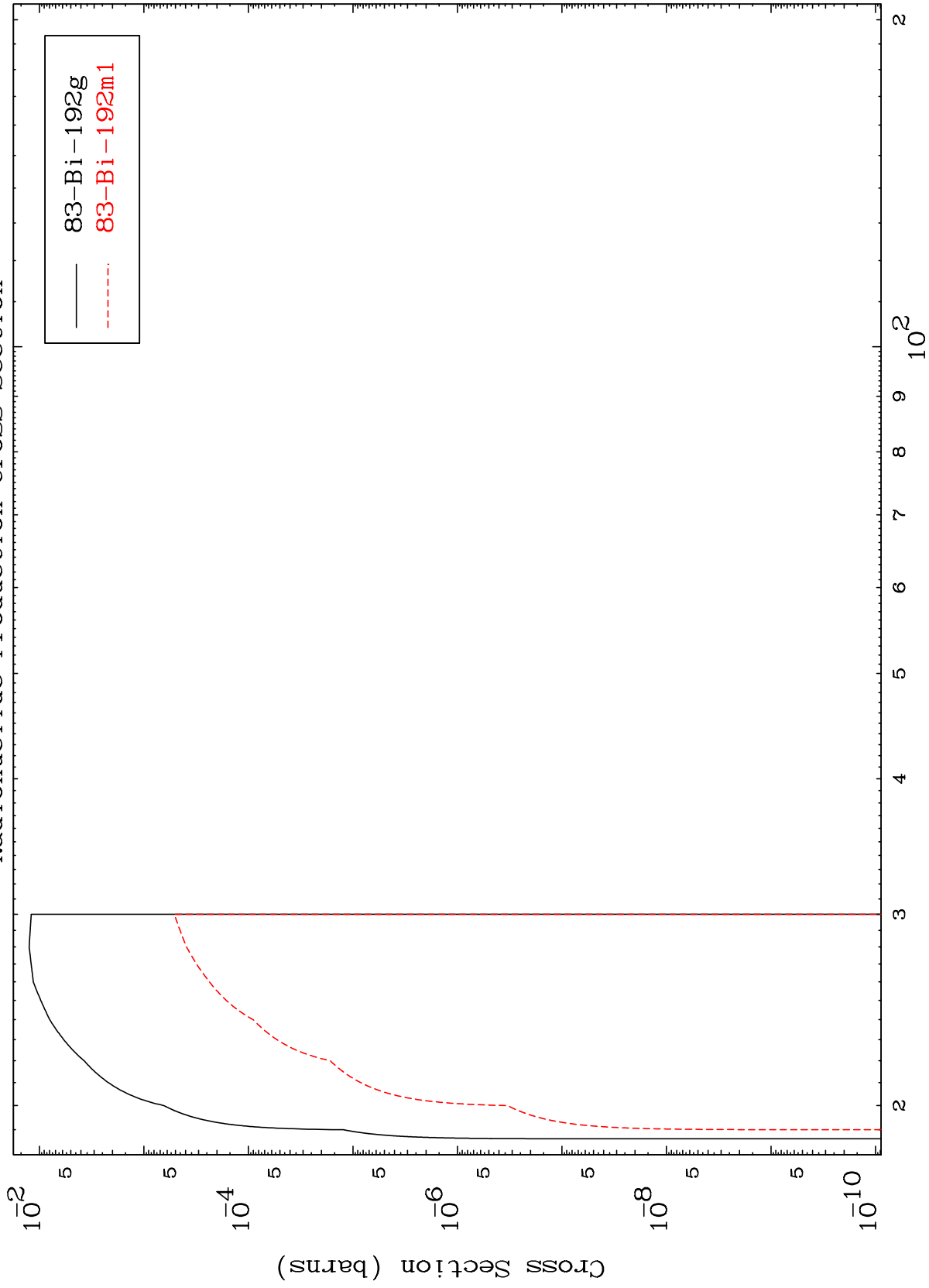
11

$^{83}\text{Bi-194}$

MAT 8280

83-Bi-194

( $\gamma, 2n$ )  
Radionuclide Production Cross Section



12

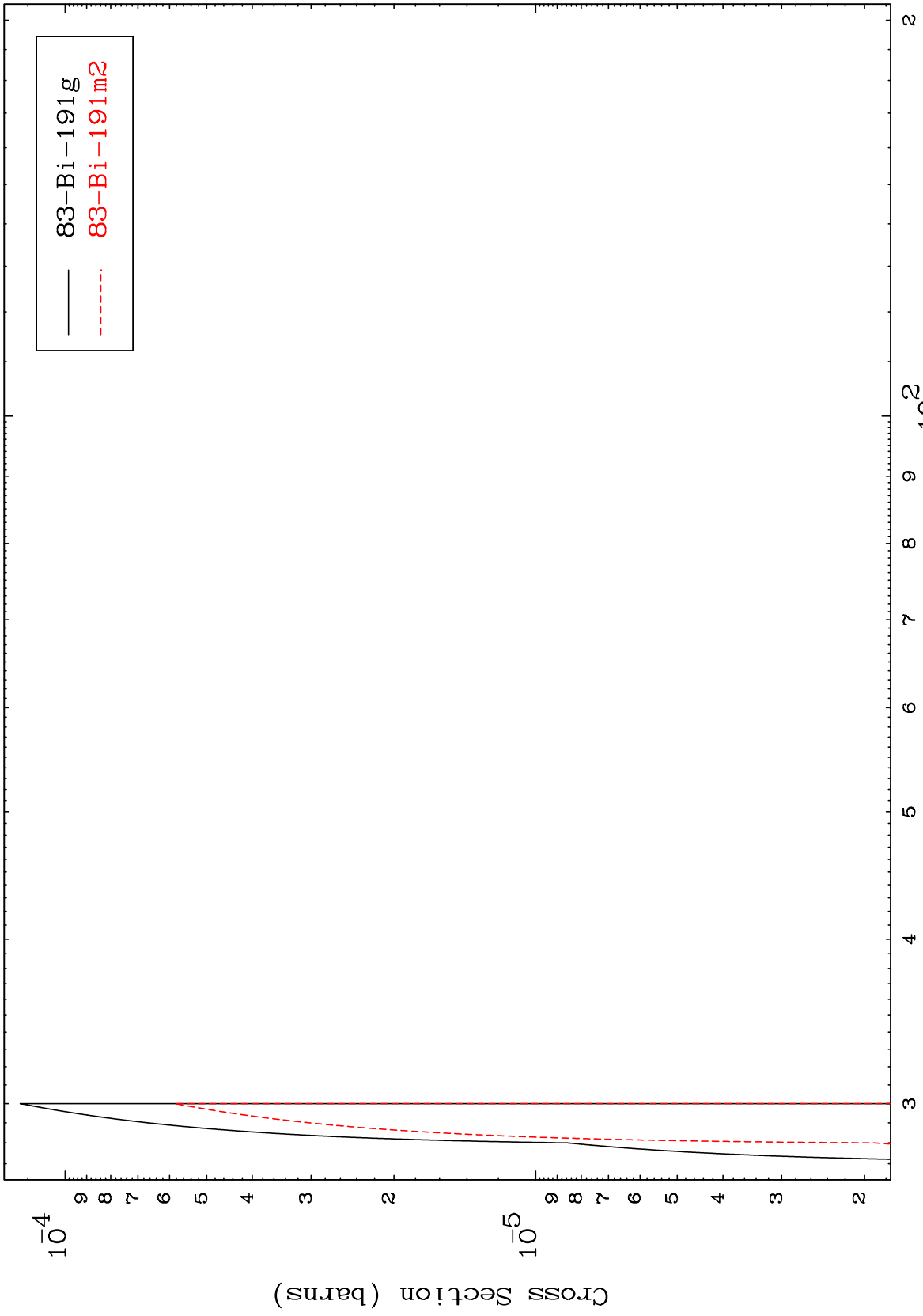
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

( $\gamma, 3n$ )  
Radionuclide Production Cross Section



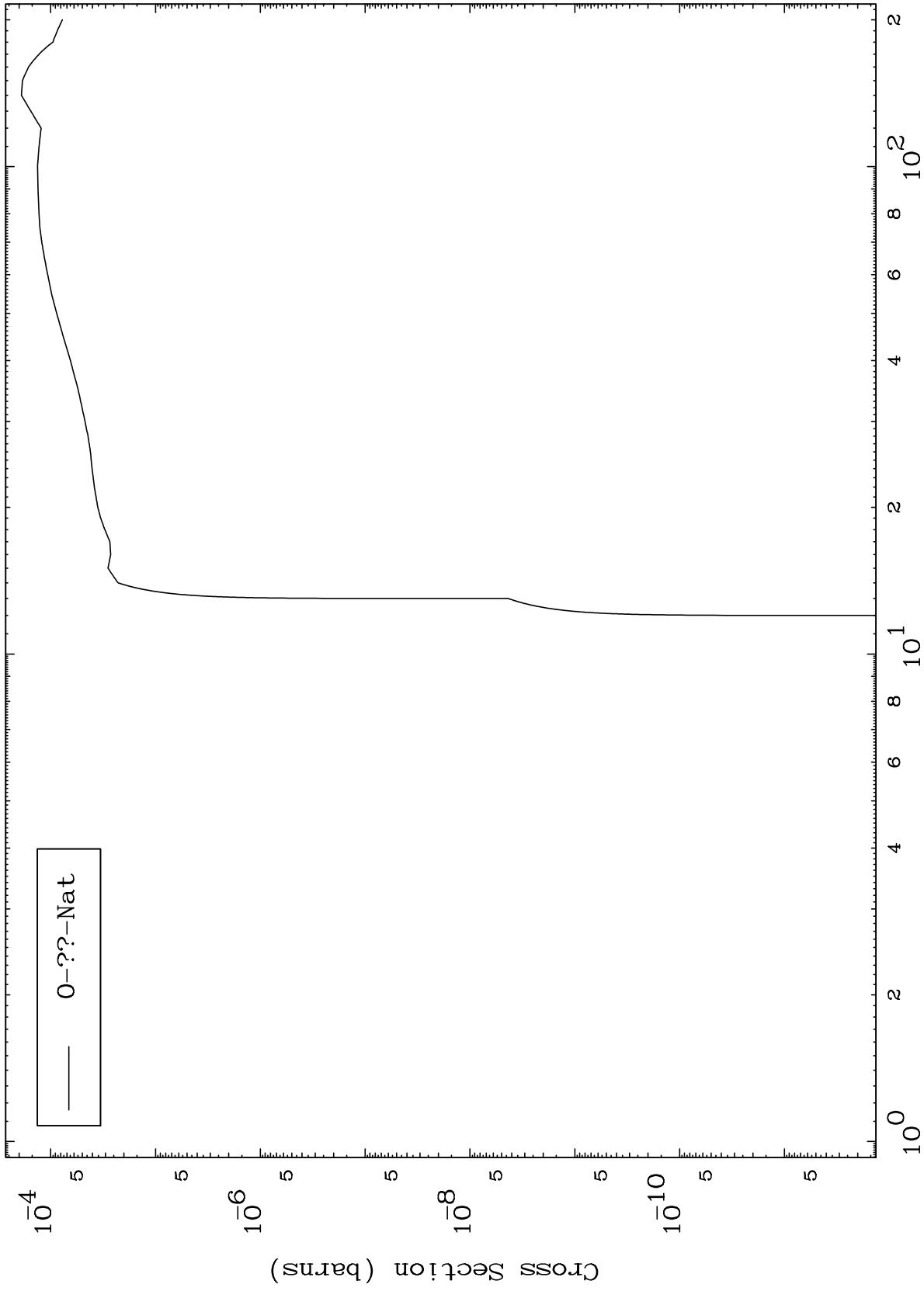
13

83-Bi-194

MAT 8280

83-Bi-194

Photon Fission  
Radionuclide Production Cross Section



0-??-Nat

83-Bi-194

Incident Energy (MeV)

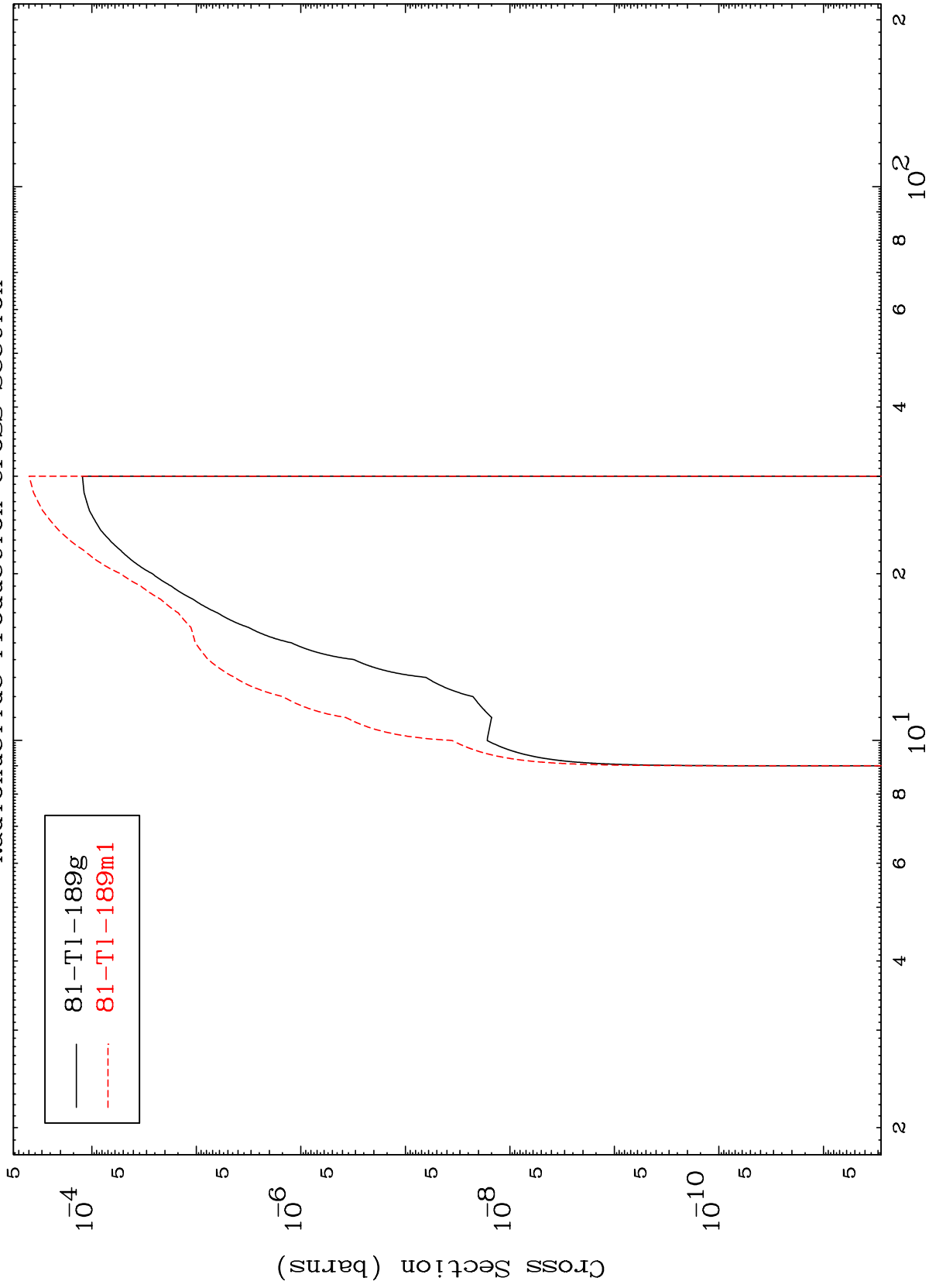
14

MAT 8280

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

83-Bi-194

Radionuclide Production Cross Section



15

Incident Energy (MeV)

83-Bi-194

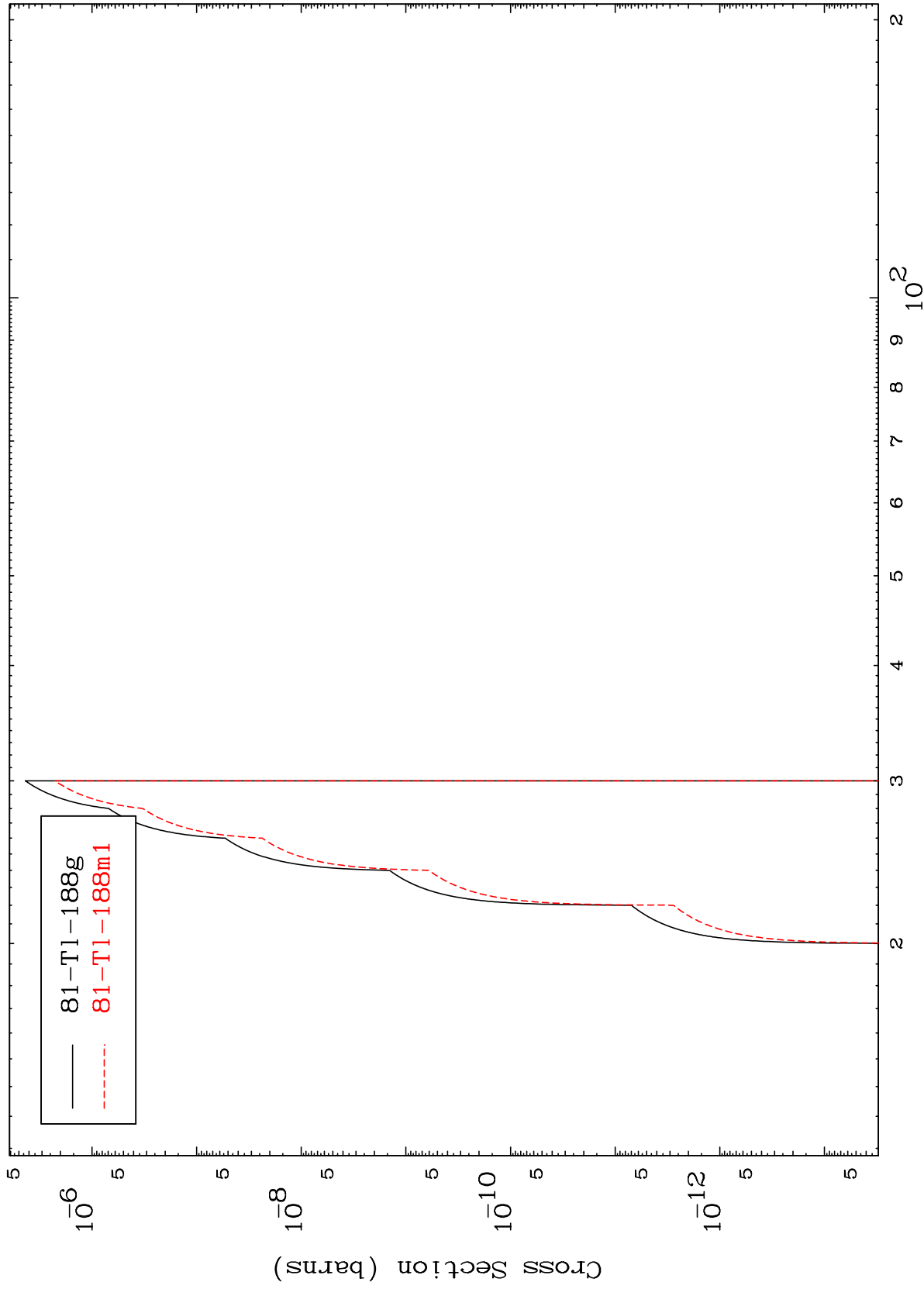


MAT 8280

( $\gamma, 2n$ )  $\alpha$

83-Bi-194

Radionuclide Production Cross Section

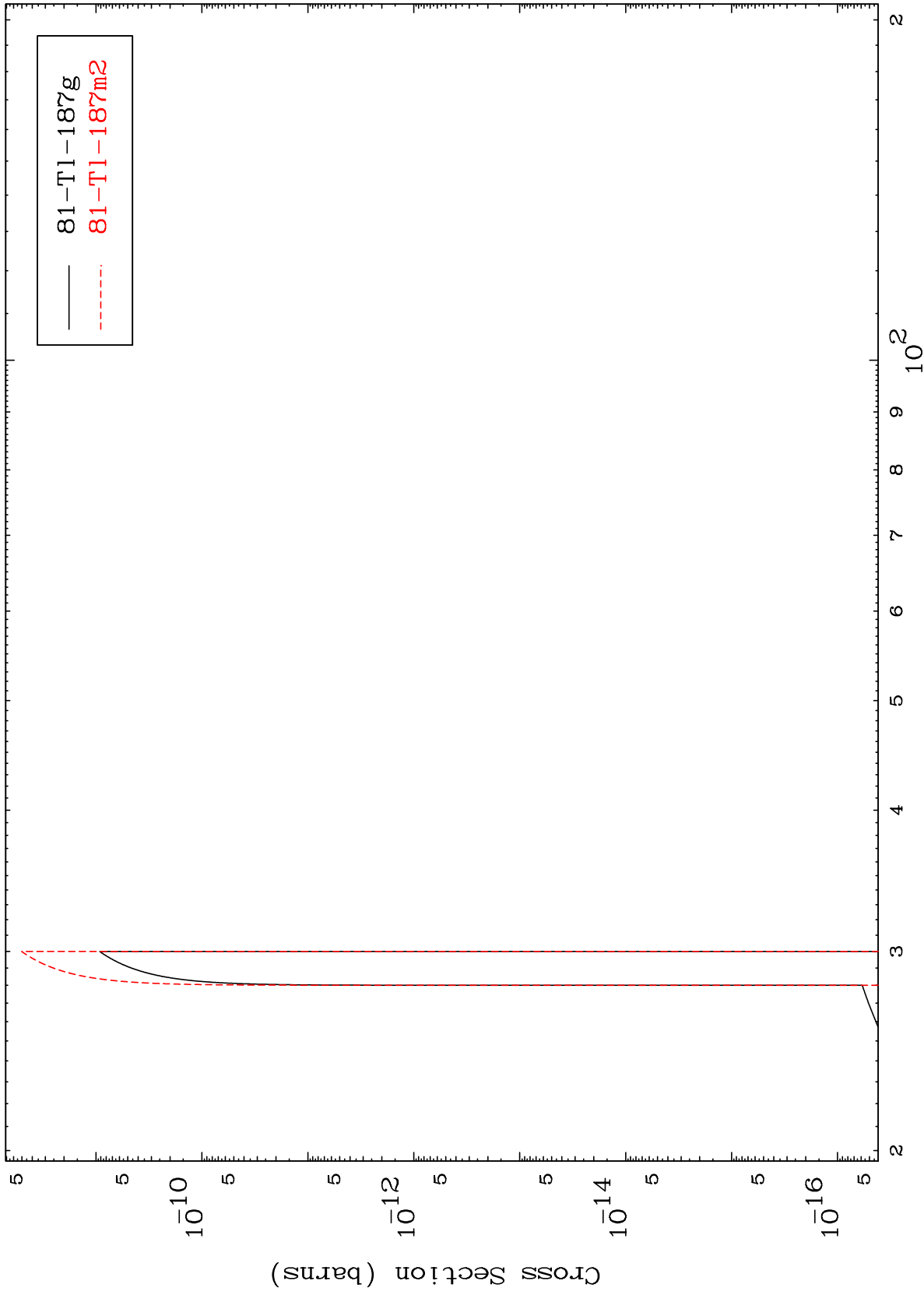


MAT 8280

$(\gamma, 3n) \alpha$

83-Bi-194

Radionuclide Production Cross Section



17

Incident Energy (MeV)

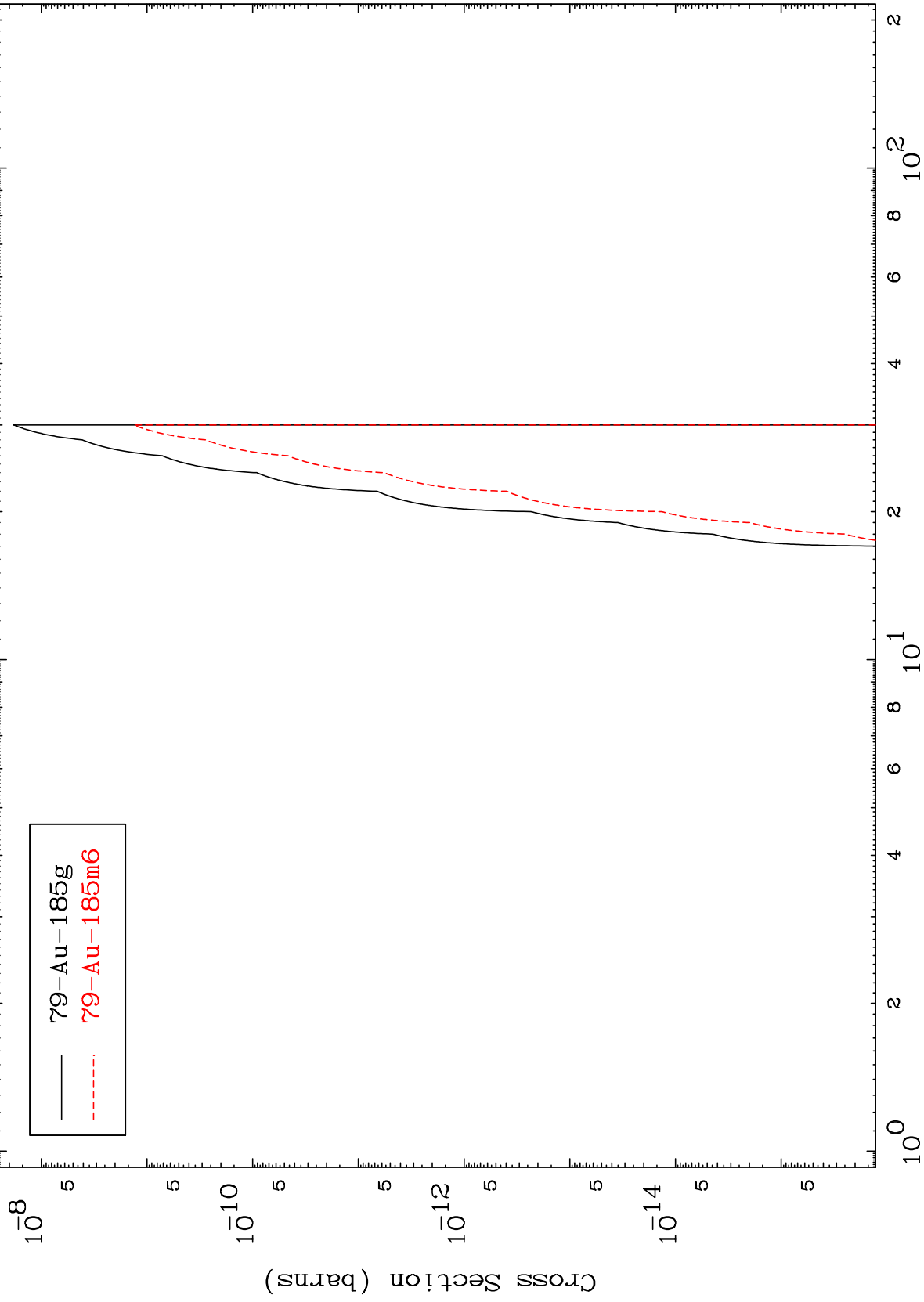
83-Bi-194

MAT 8280

$(\gamma, n')$   $2\alpha$

83-Bi-194

Radionuclide Production Cross Section



18

Incident Energy (MeV)

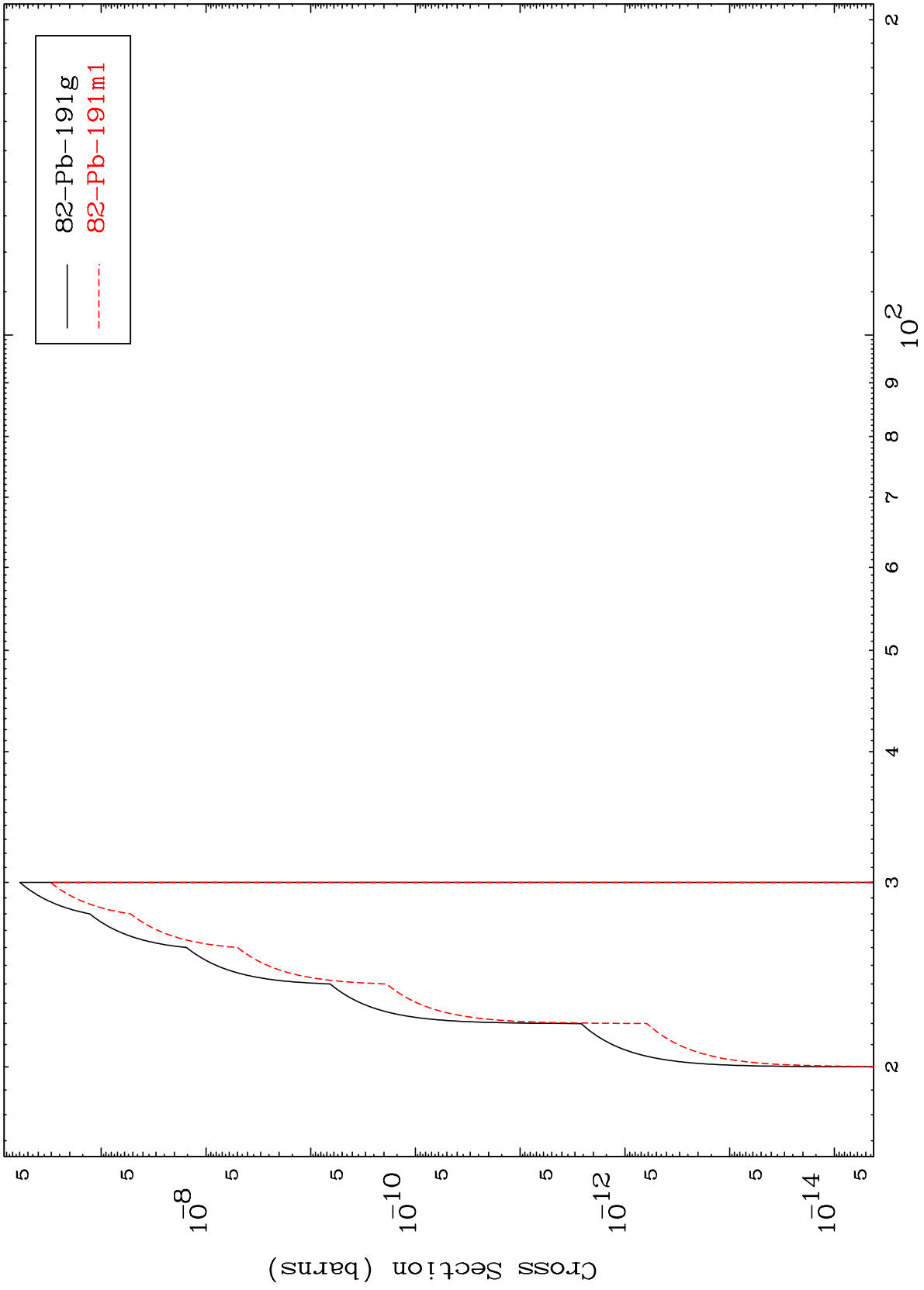
83-Bi-194

MAT 8280

( $\gamma, n'$ ) d

83-Bi-194

Radionuclide Production Cross Section



19

Incident Energy (MeV)

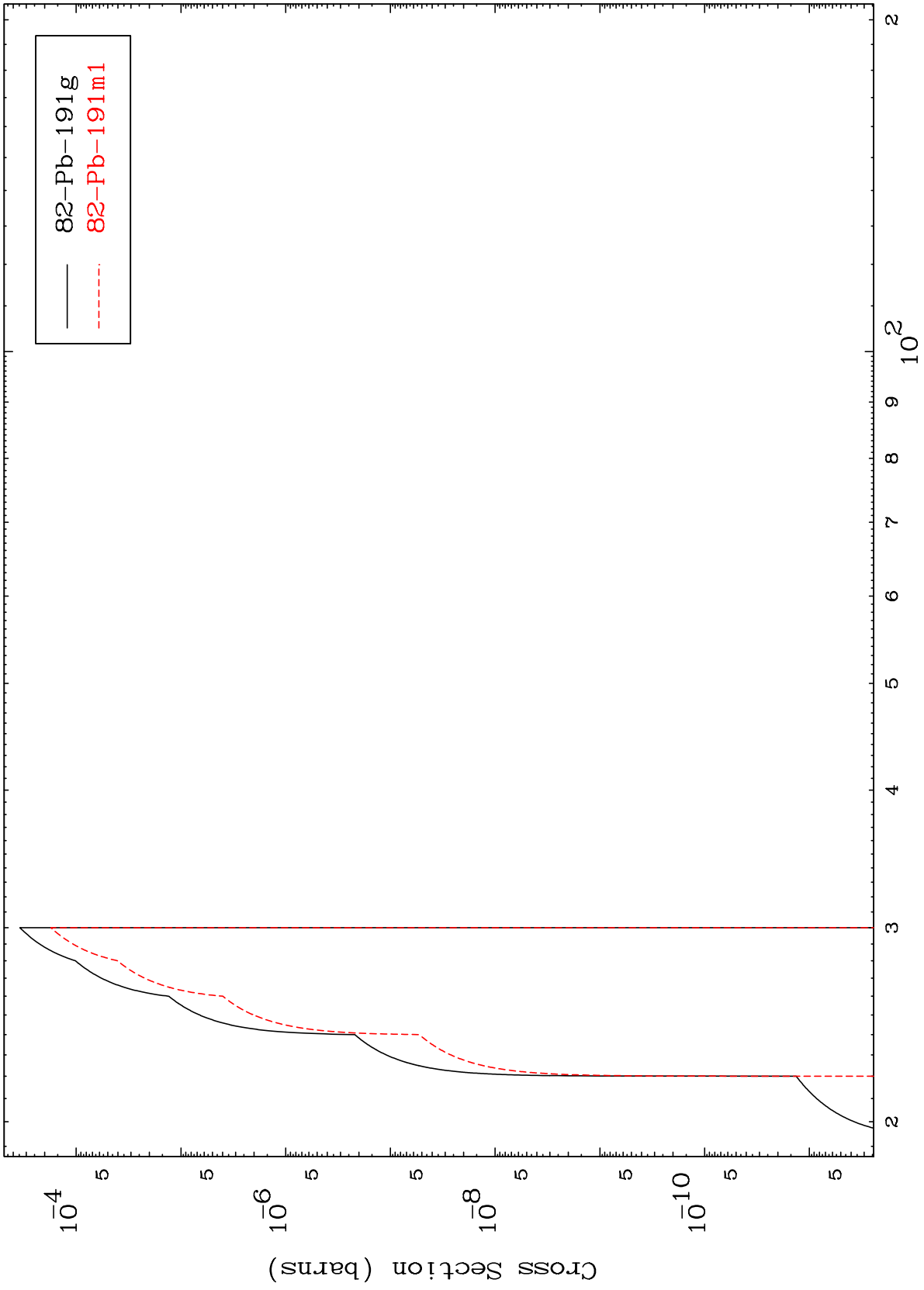
83-Bi-194

MAT 8280

( $\gamma, 2n$ ) p

83-Bi-194

Radionuclide Production Cross Section



20

Incident Energy (MeV)

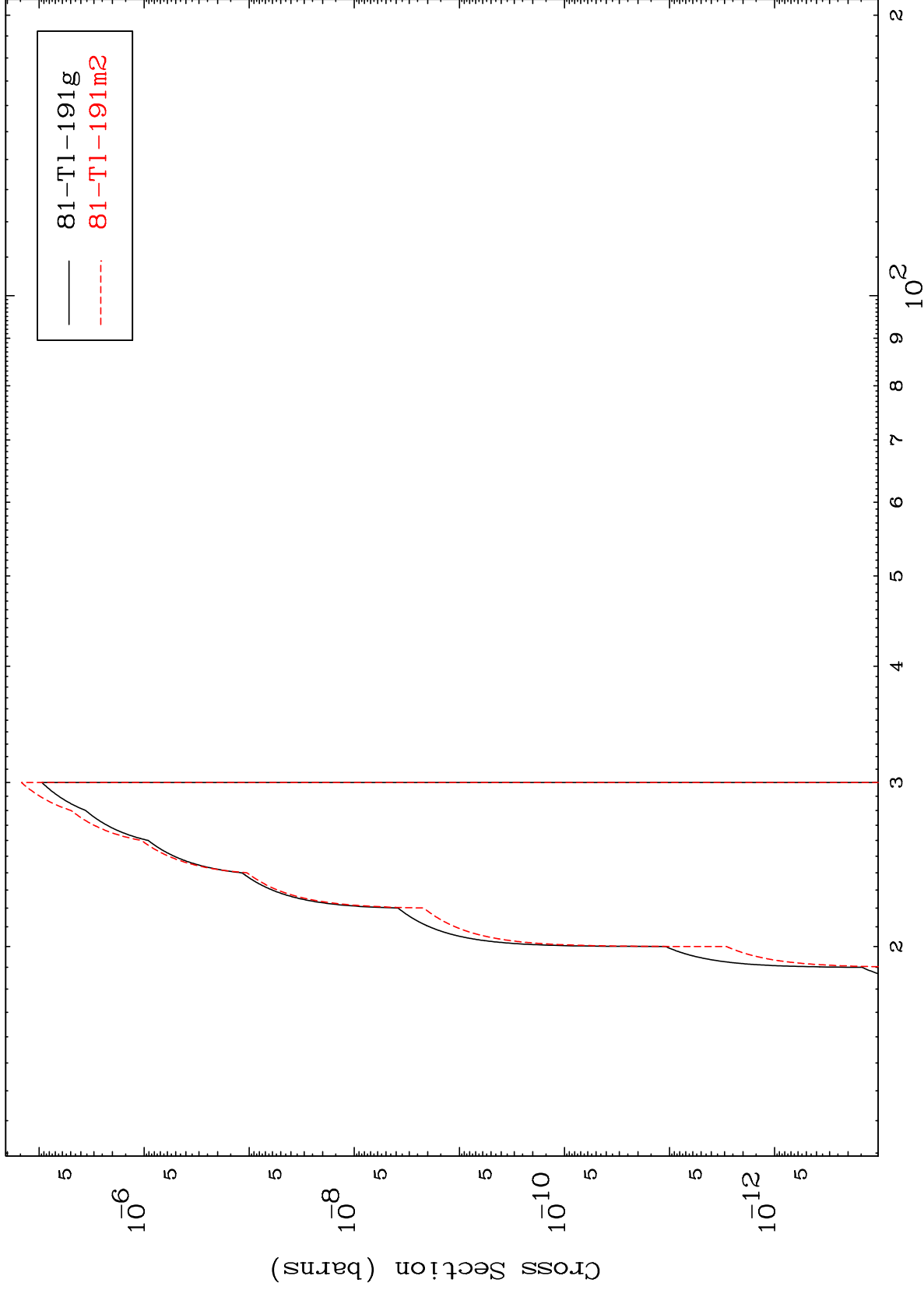
83-Bi-194

MAT 8280

$(\gamma, 2n)$  p

83-Bi-194

Radionuclide Production Cross Section



21

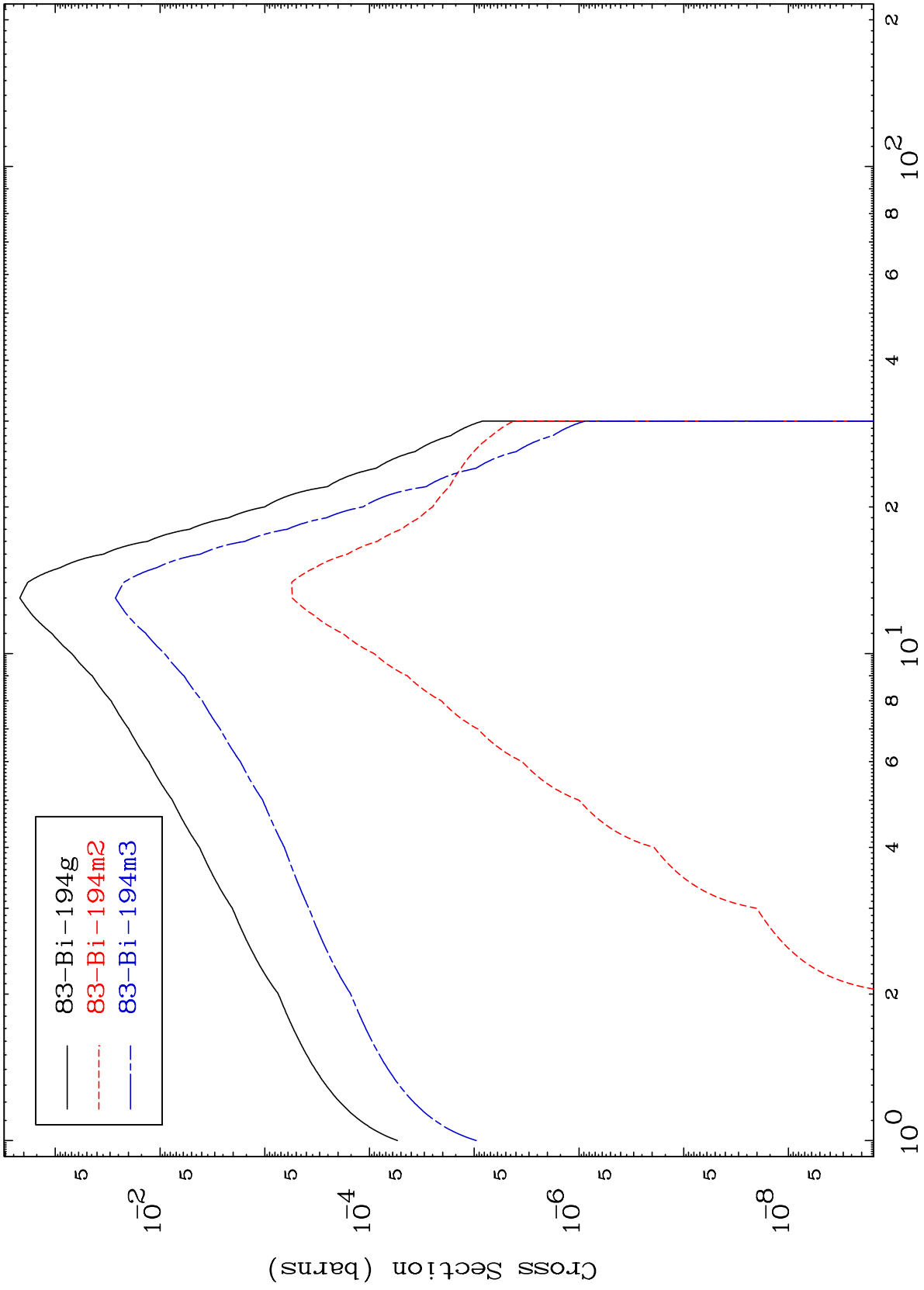
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



22

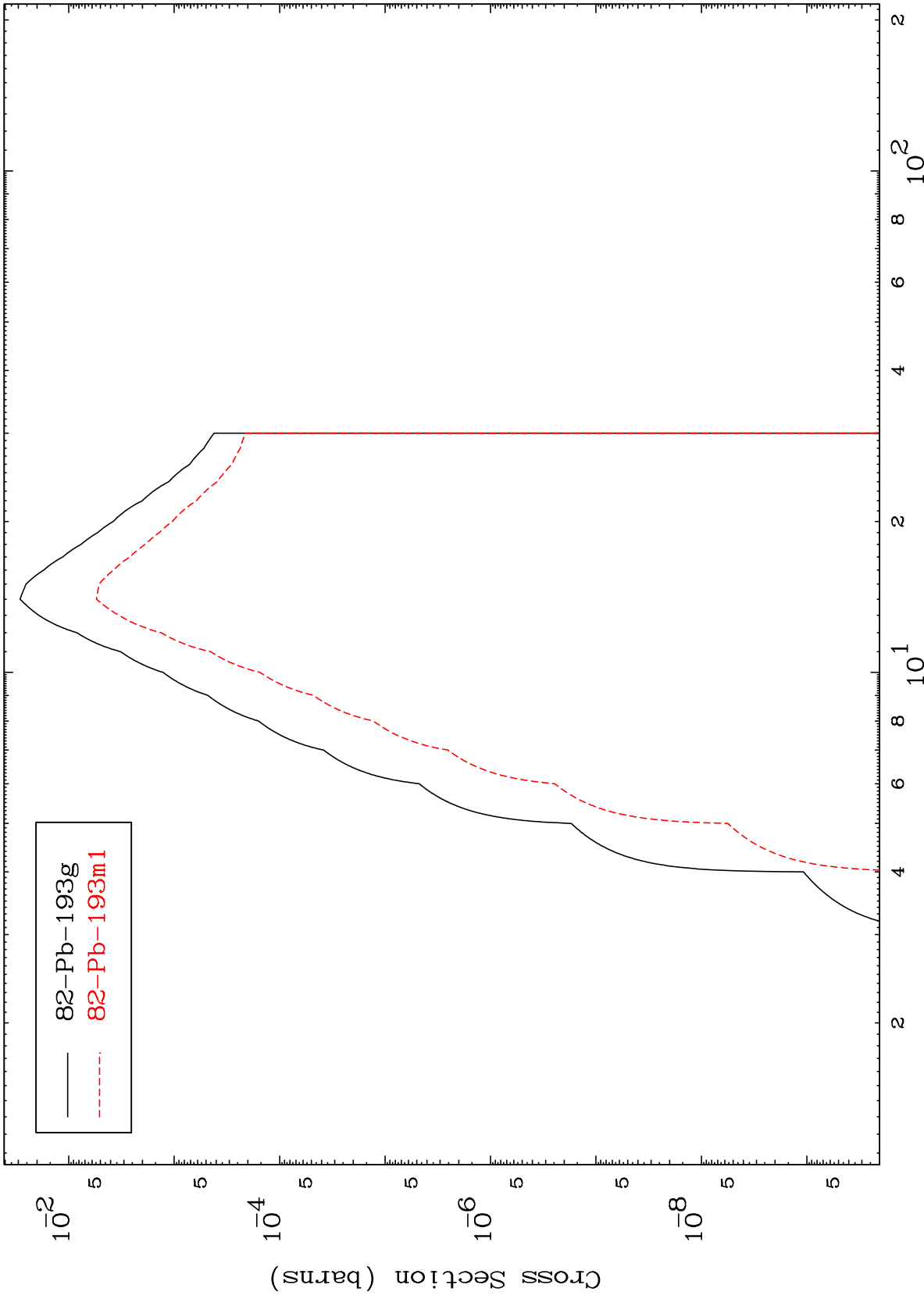
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

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



23

Incident Energy (MeV)

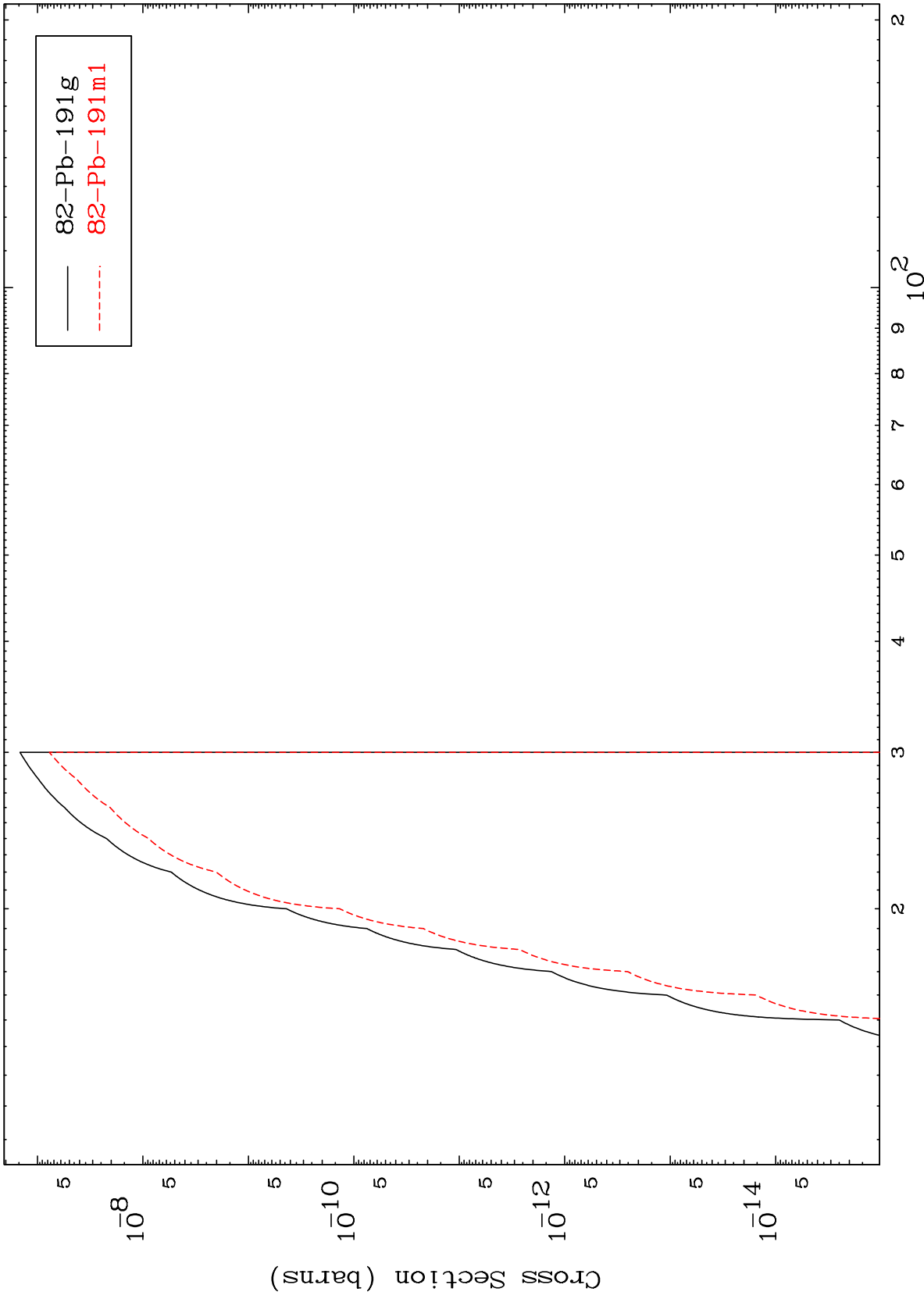
83-Bi-194



MAT 8280

83-Bi-194

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



24

Incident Energy (MeV)

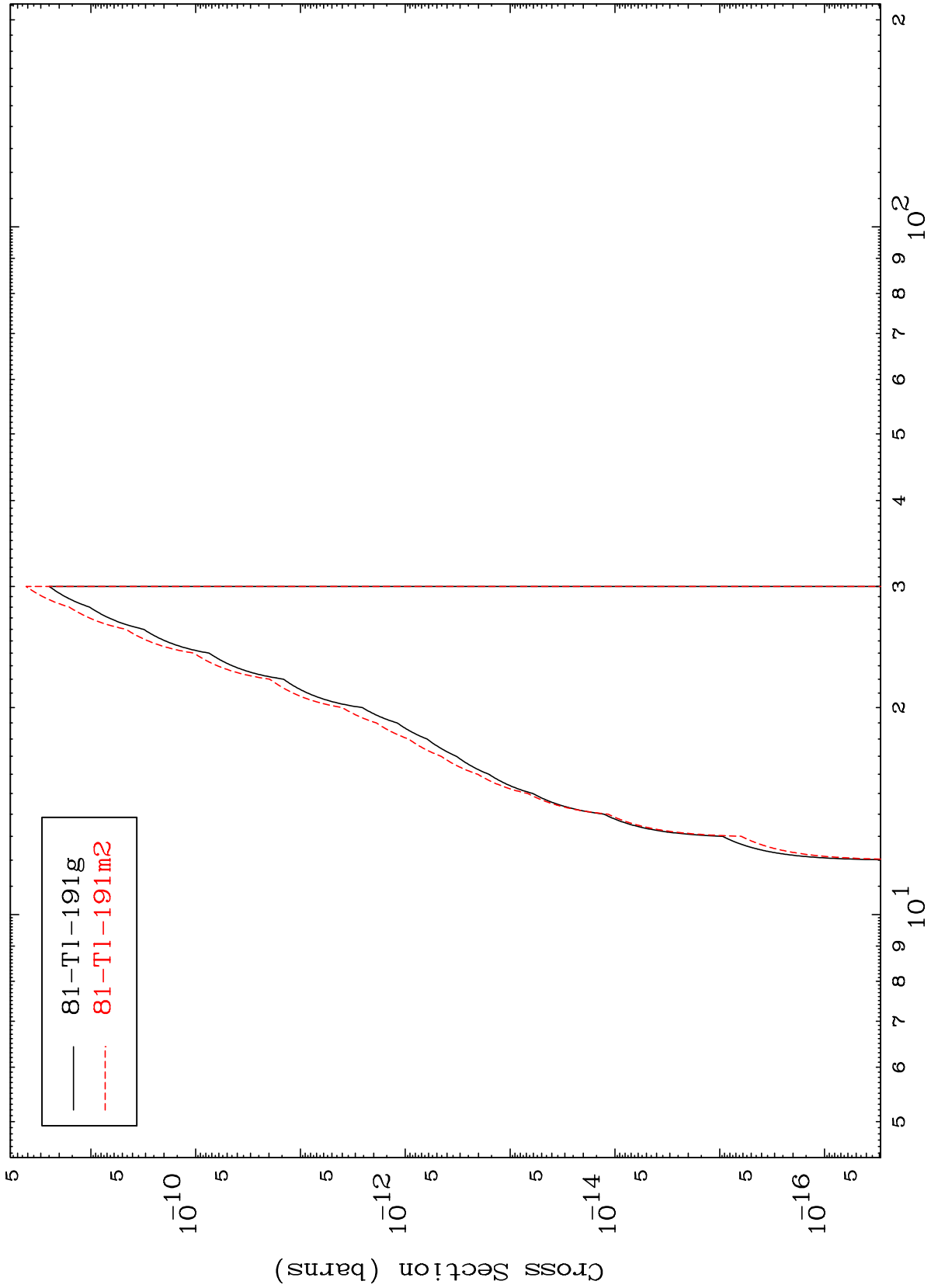
83-Bi-194

MAT 8280

( $\gamma, \text{He-3}$ )

83-Bi-194

Radionuclide Production Cross Section



25

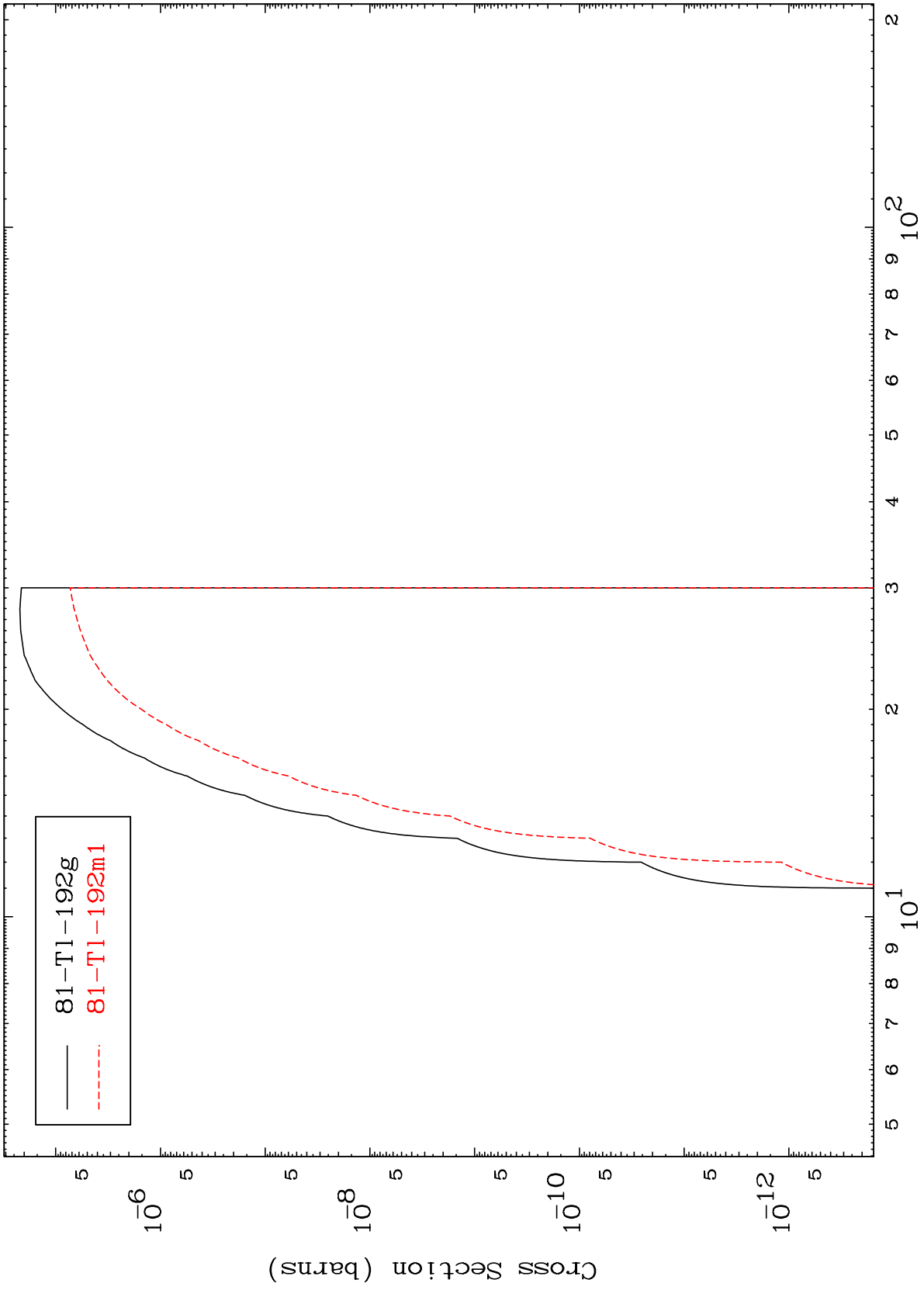
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

( $\gamma, 2p$ )  
Radionuclide Production Cross Section



26

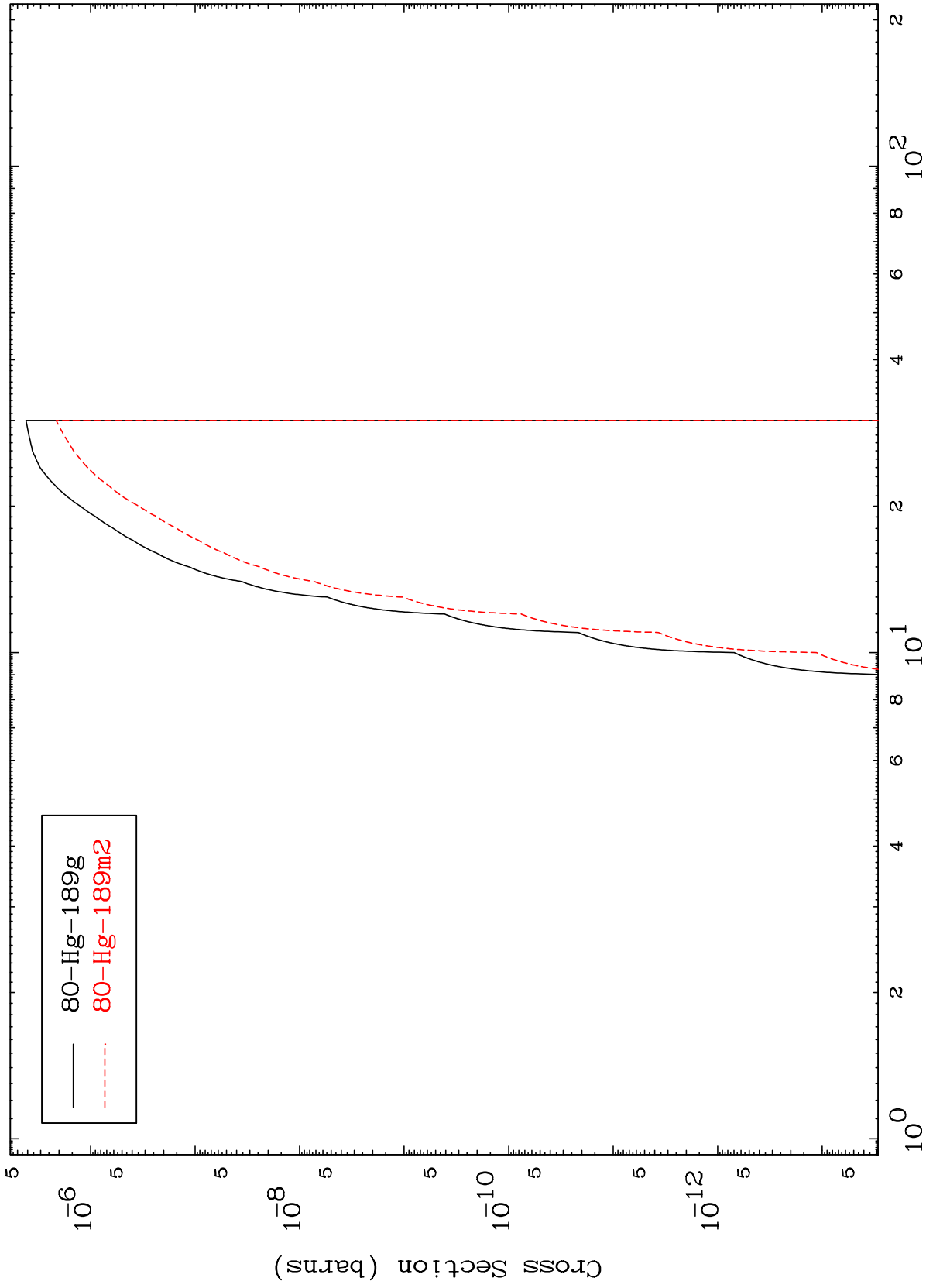
83-Bi-194

MAT 8280

( $\gamma, p$ )  $\alpha$

83-Bi-194

Radionuclide Production Cross Section



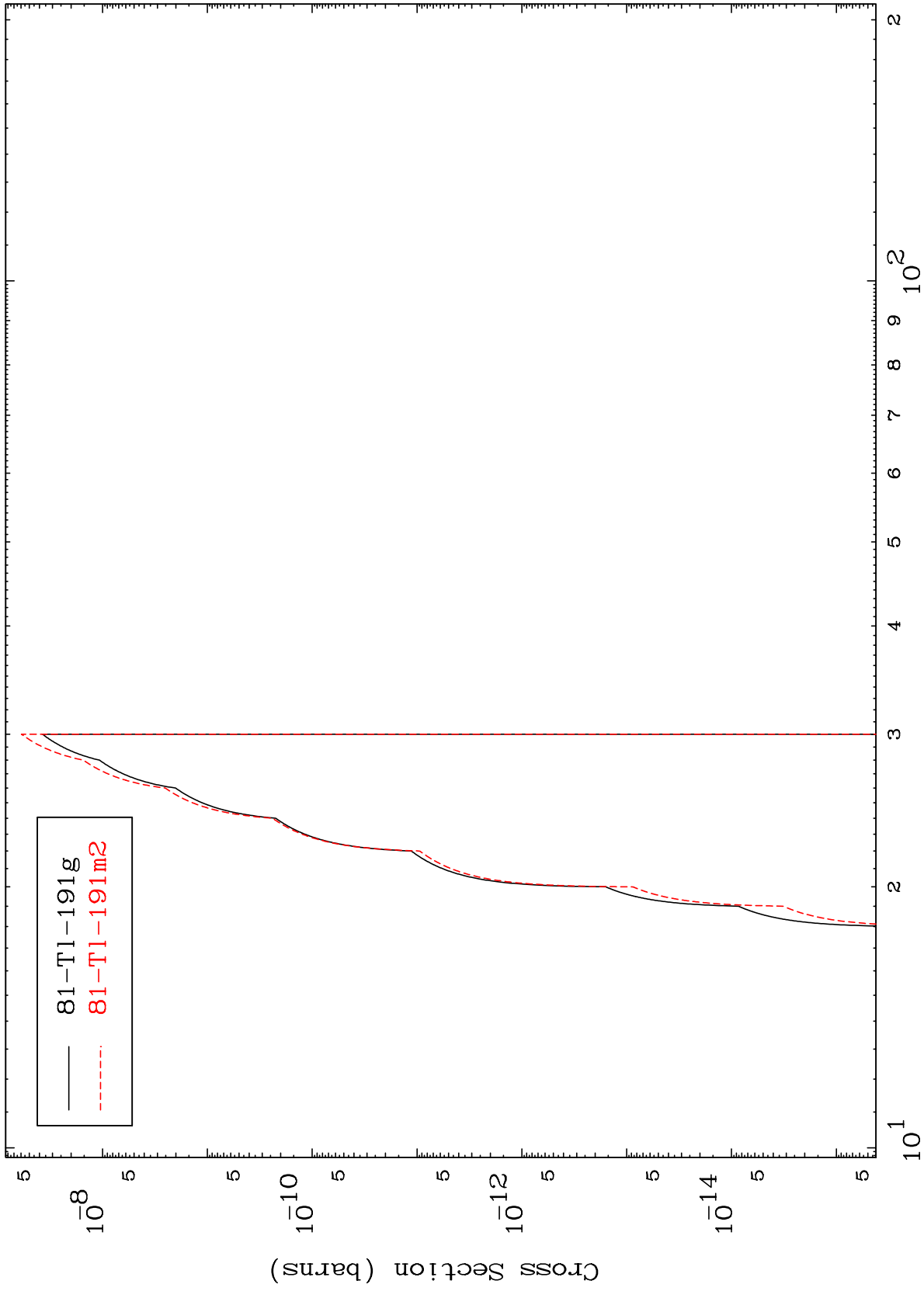
27

MAT 8280

( $\gamma, p$ ) d

83-Bi-194

Radionuclide Production Cross Section



28

Incident Energy (MeV)

83-Bi-194