

Program EVALPLOT  
(Version 2018-1)

by

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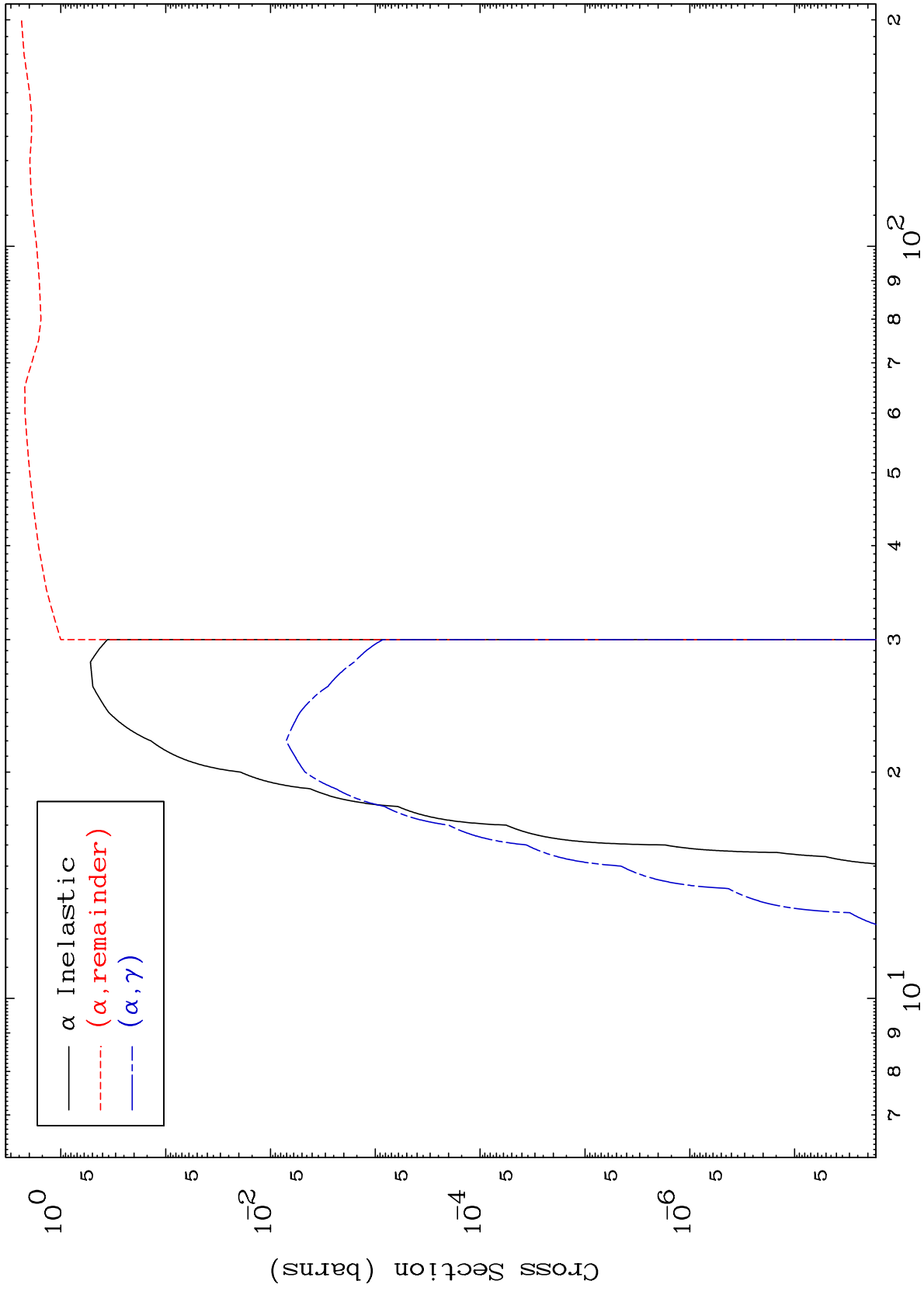
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8287

0 Kelvin  $\alpha$  Major  
Cross Sections

83-Bi-196



1

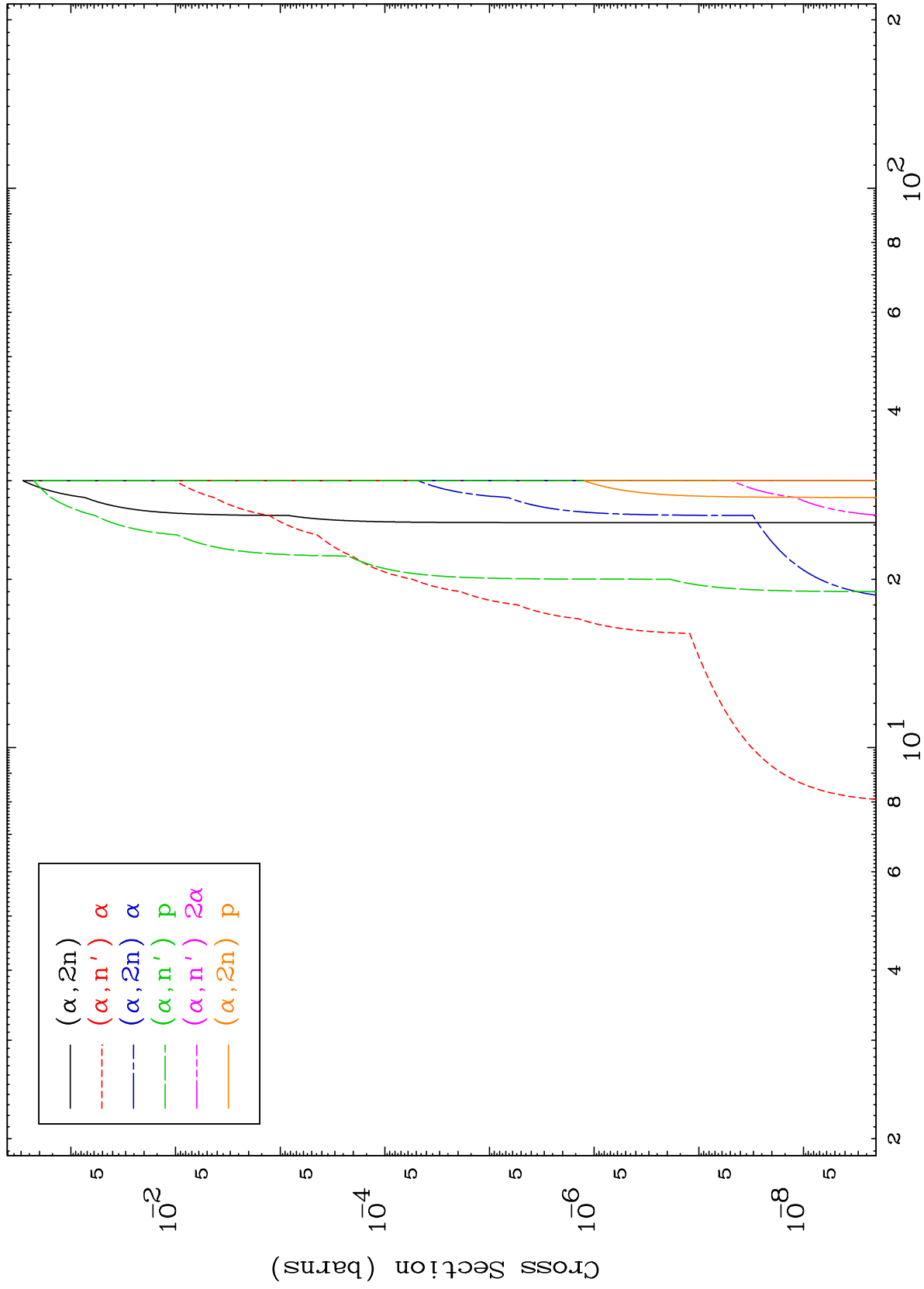
Incident Energy (MeV)

83-Bi-196

MAT 8287

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

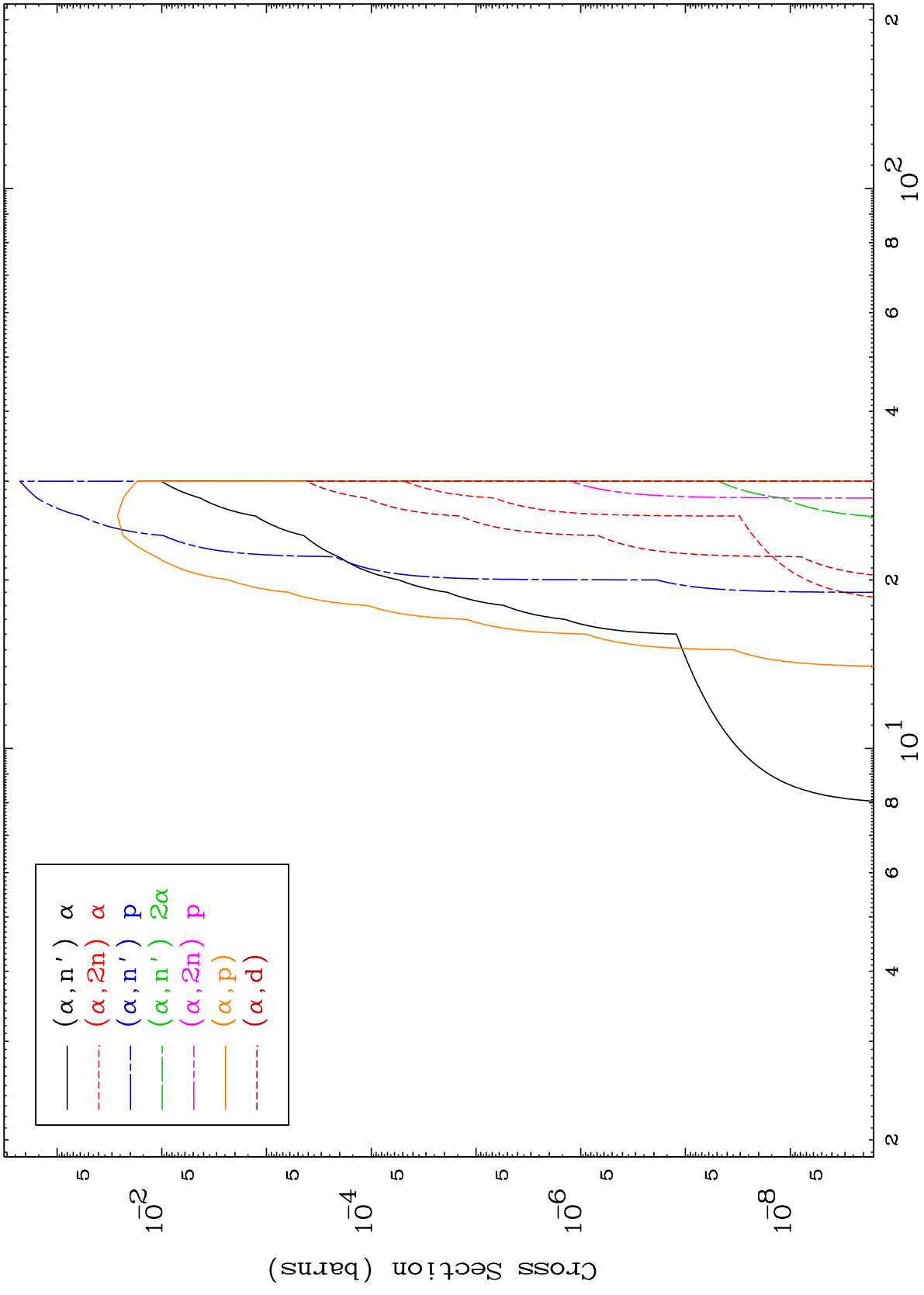
83-Bi-196



2

Incident Energy (MeV)

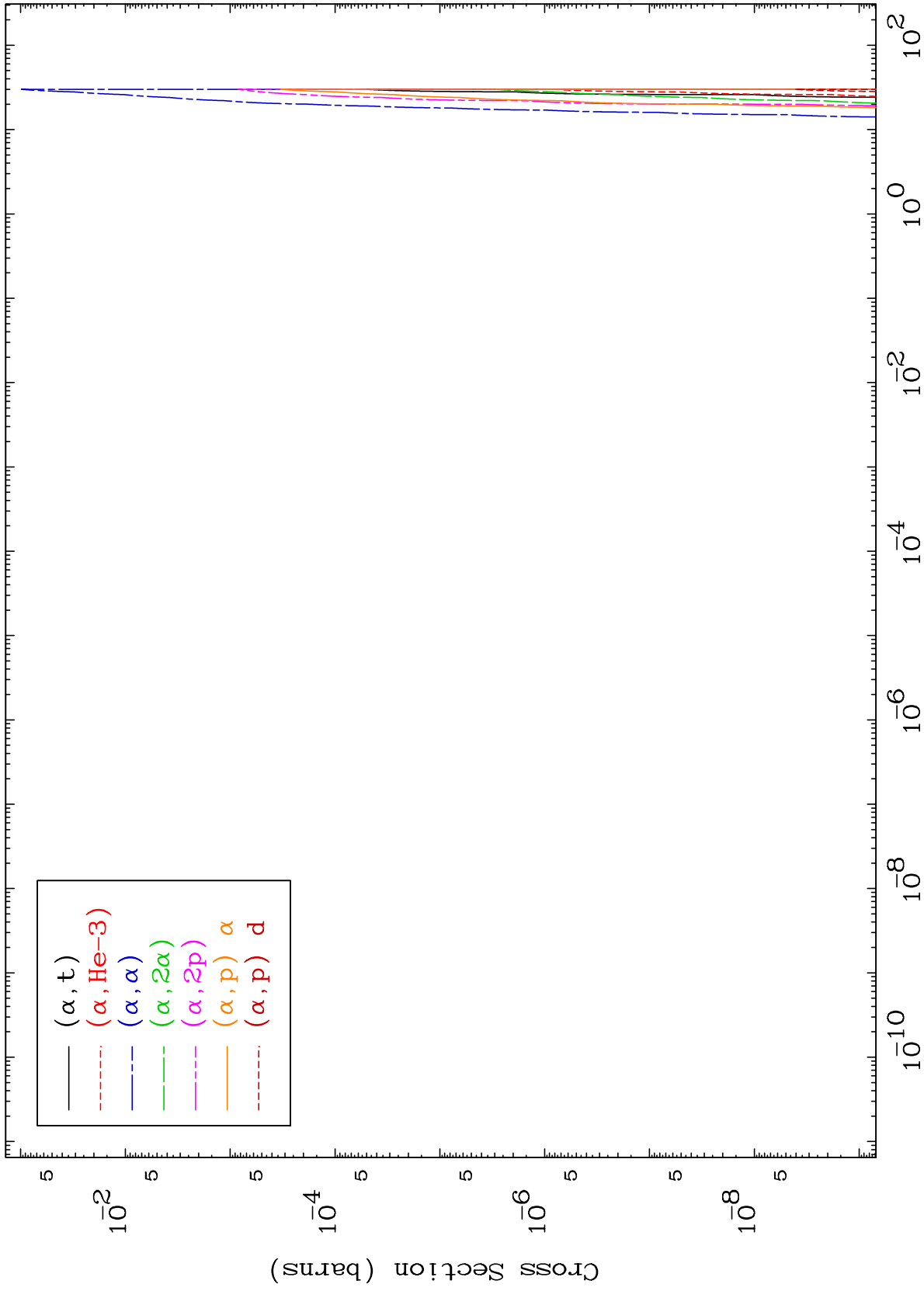
83-Bi-196



MAT 8287

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

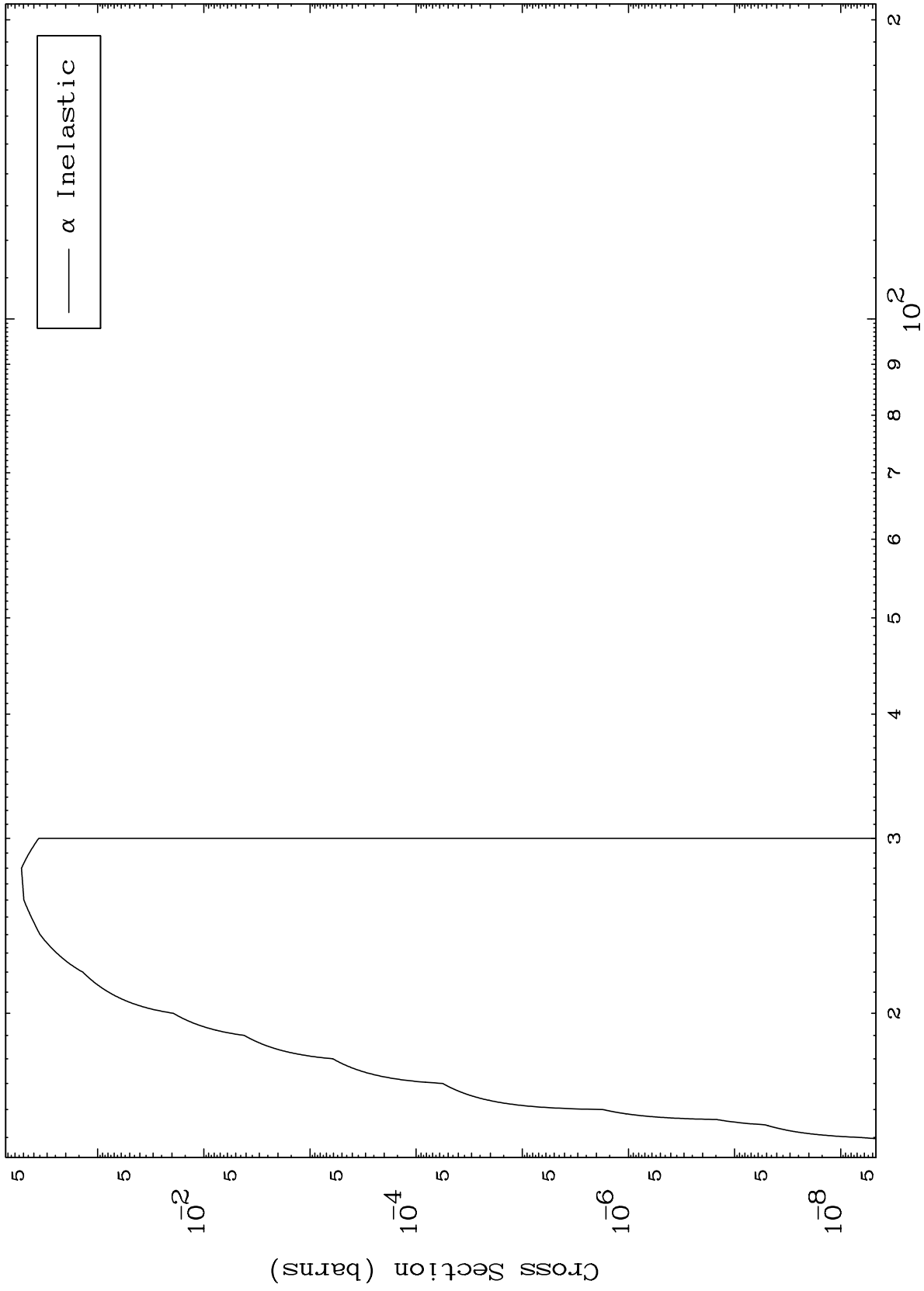
83-Bi-196



MAT 8287

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

83-Bi-196



5

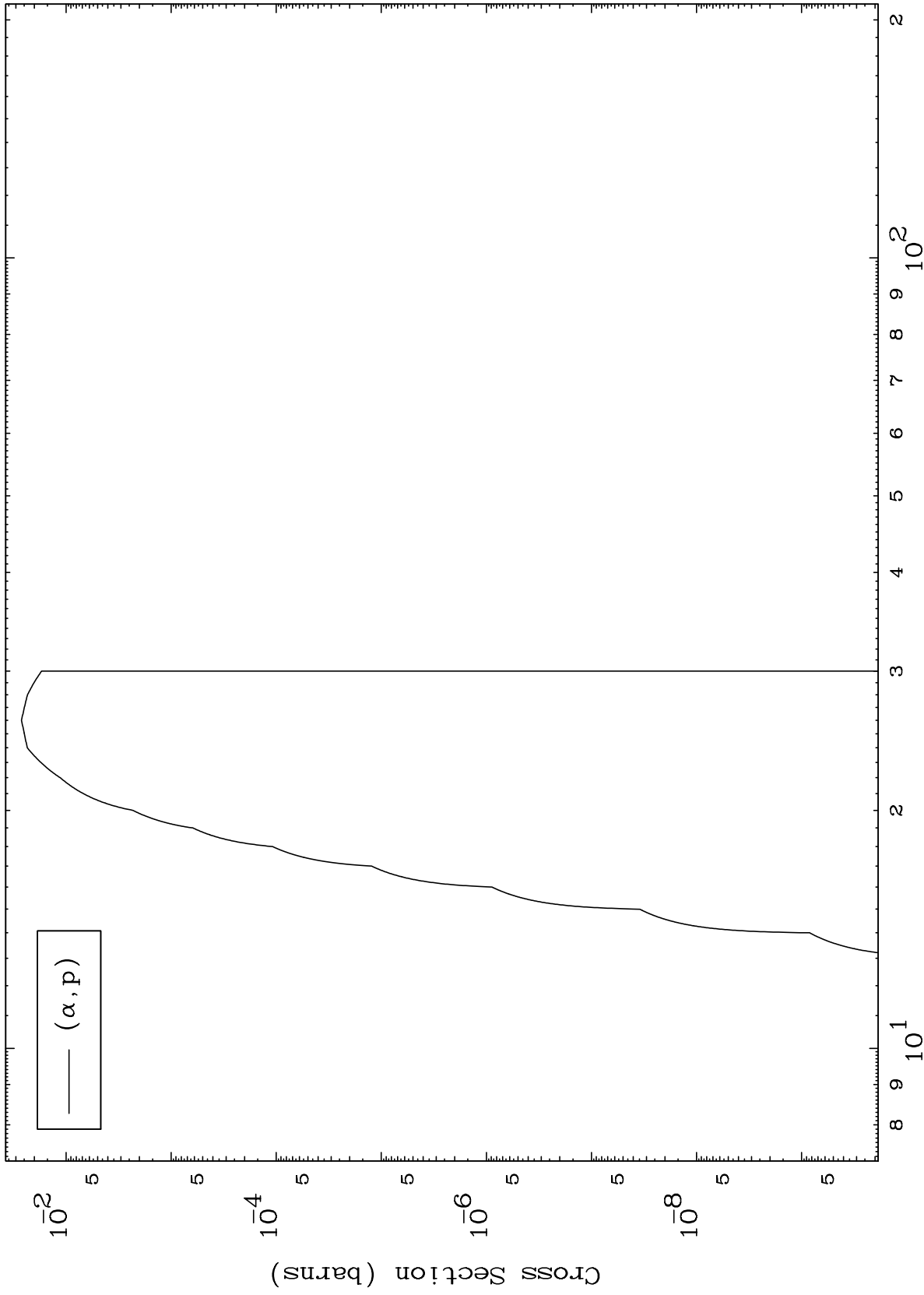
Incident Energy (MeV)

83-Bi-196

MAT 8287

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

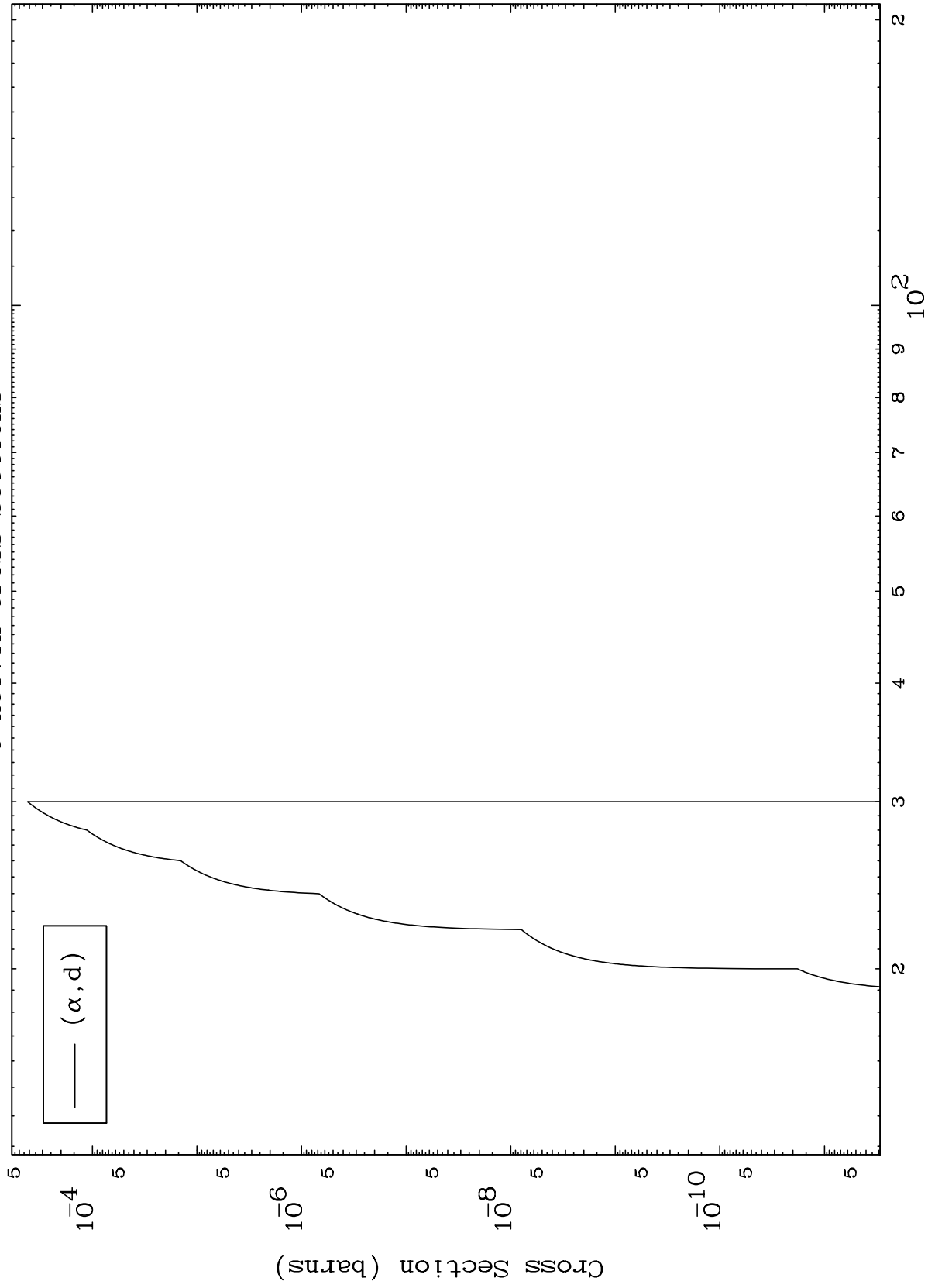
83-Bi-196



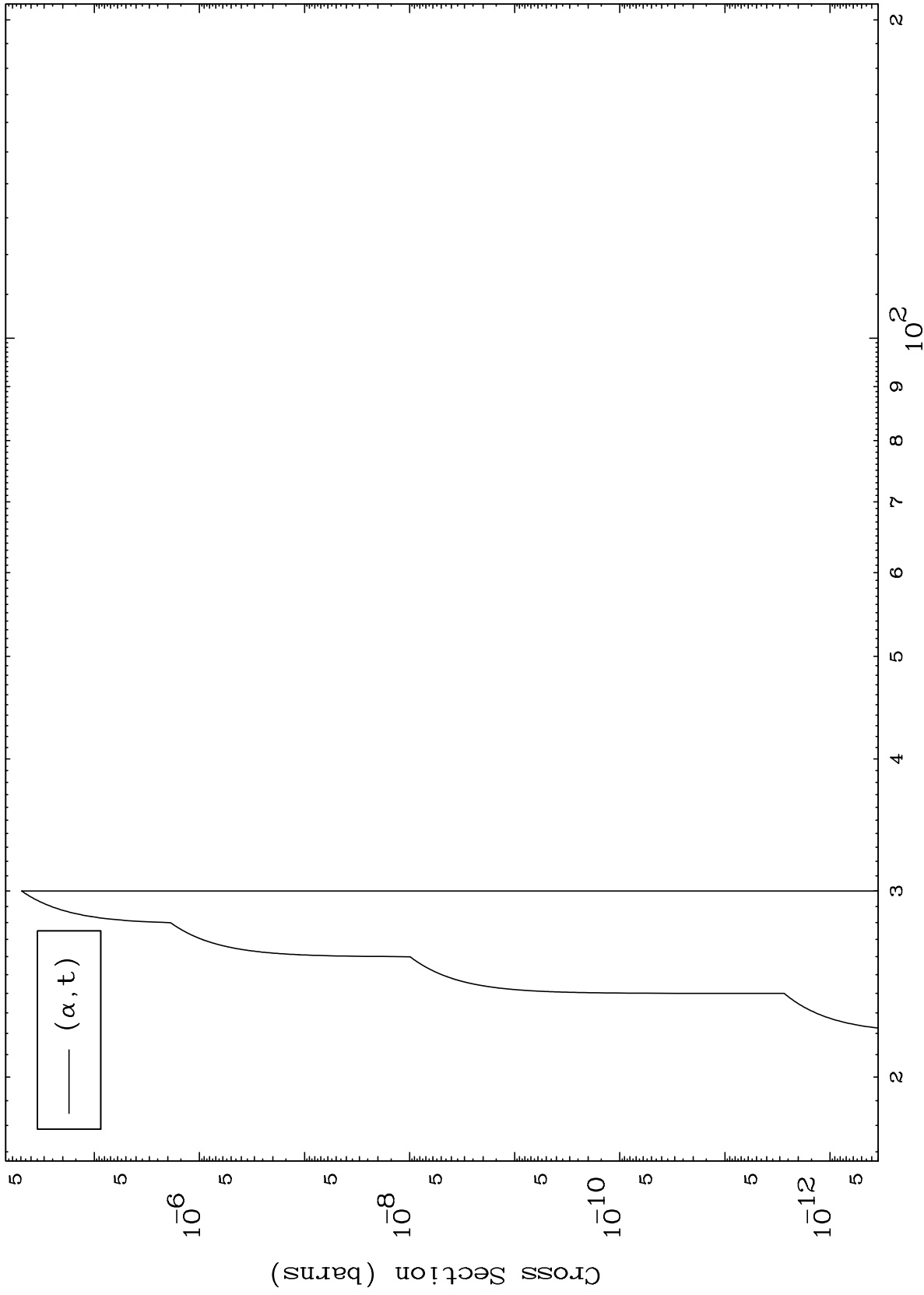
6

Incident Energy (MeV)

83-Bi-196



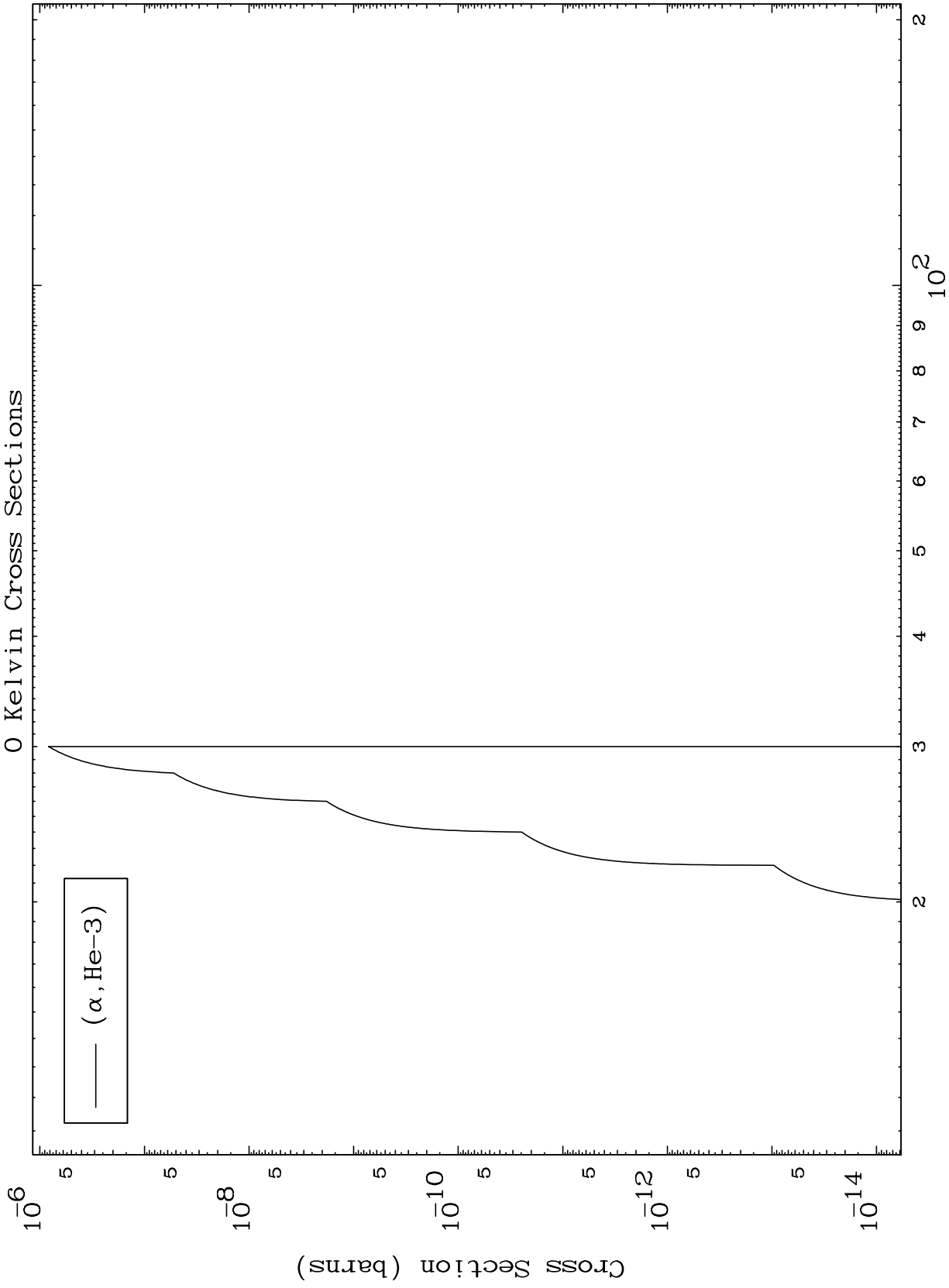




MAT 8287

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

83-Bi-196



9

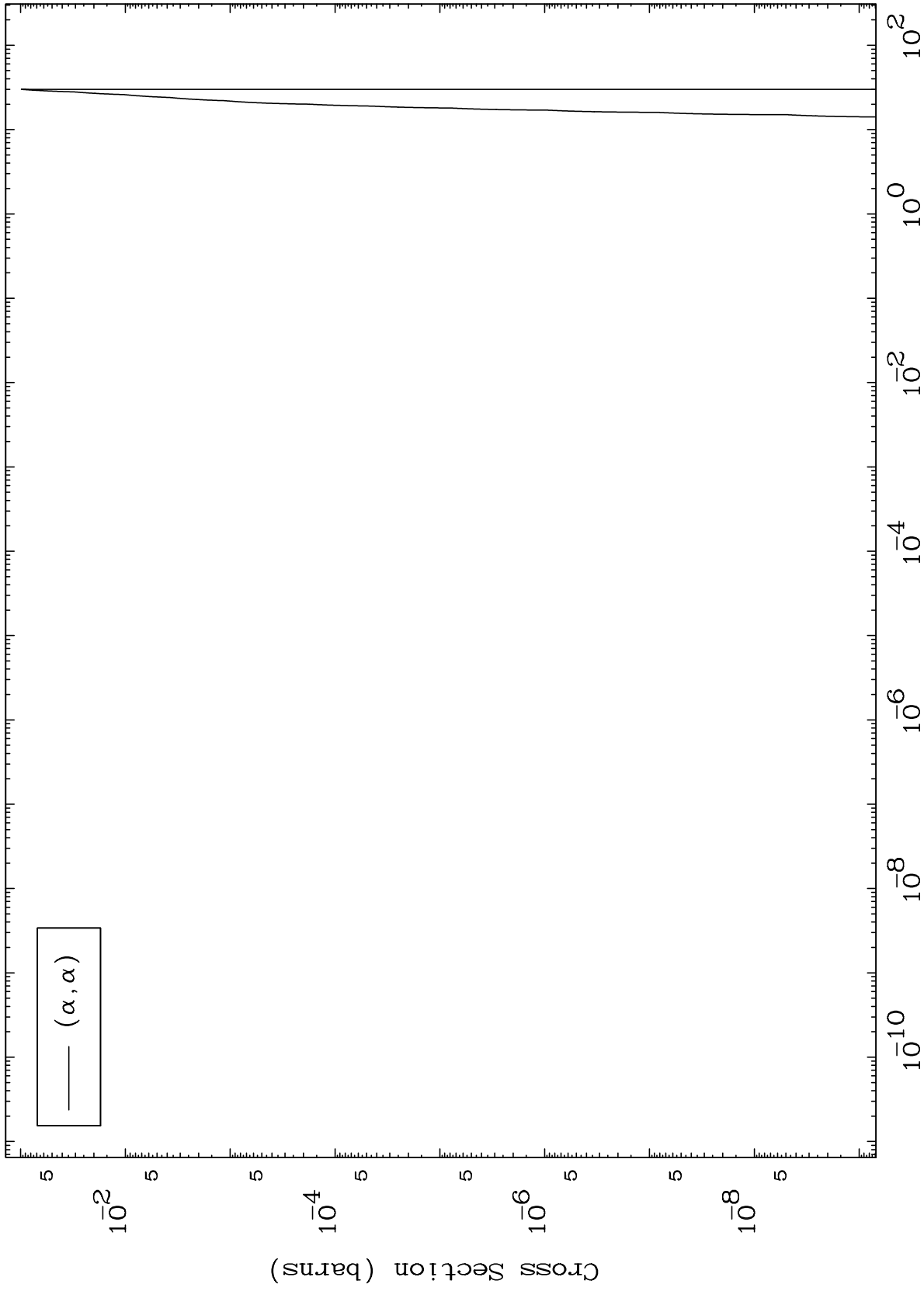
Incident Energy (MeV)

83-Bi-196

MAT 8287

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

83-Bi-196



10

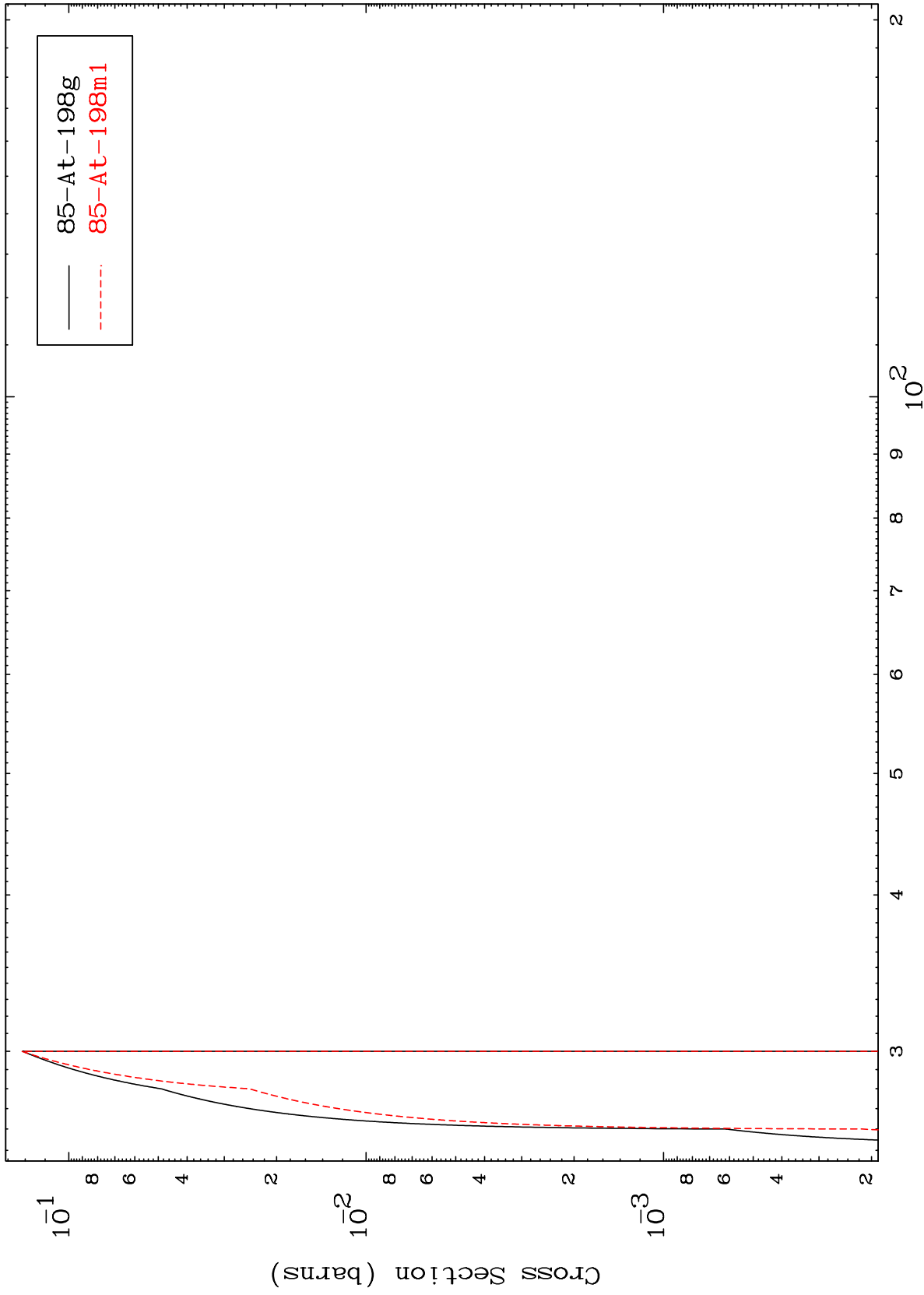
Incident Energy (MeV)

83-Bi-196

MAT 8287

83-Bi-196

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



11

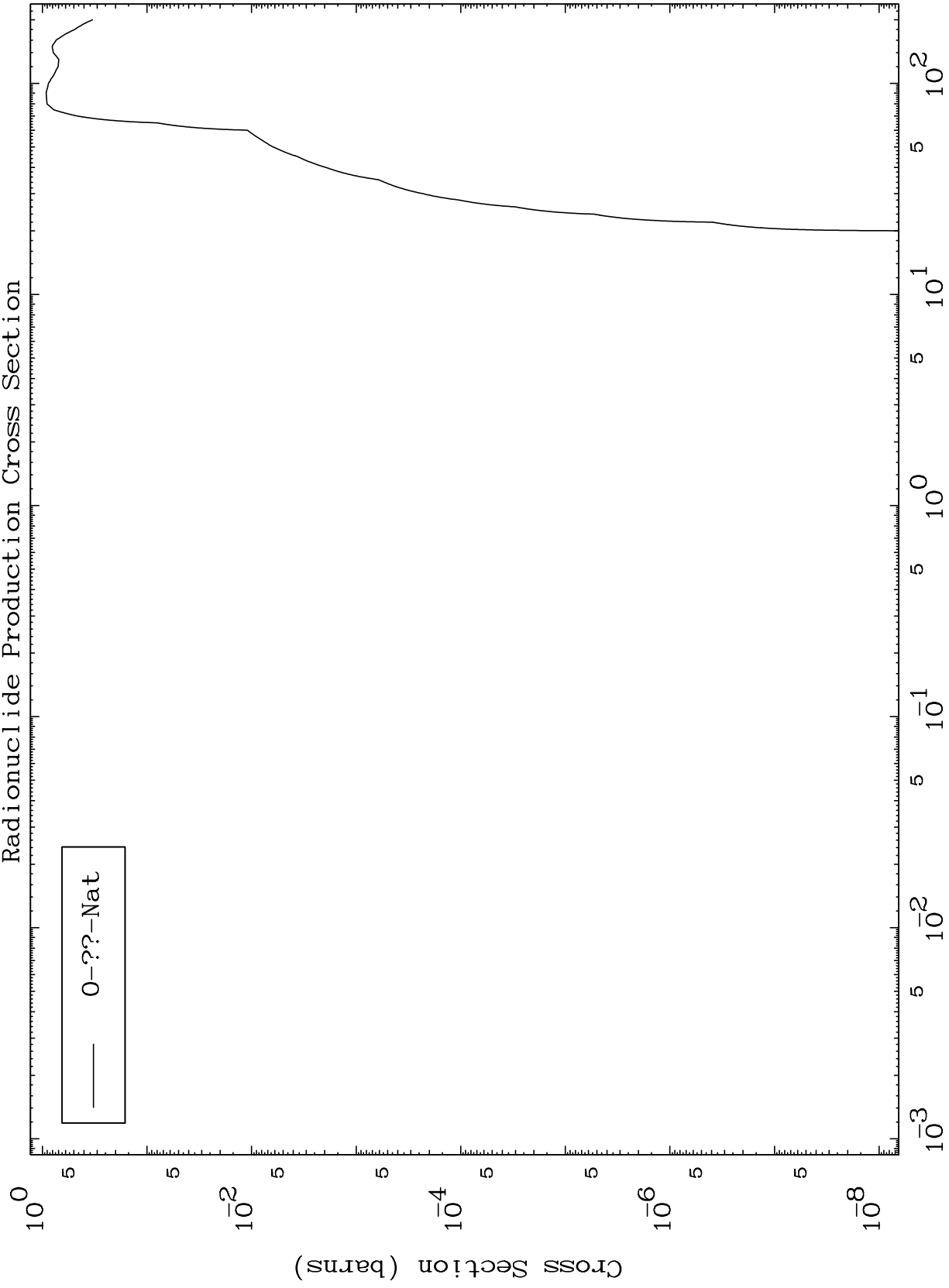
83-Bi-196

Incident Energy (MeV)

MAT 8287

$\alpha$  Fission  
Radionuclide Production Cross Section

83-Bi-196



12

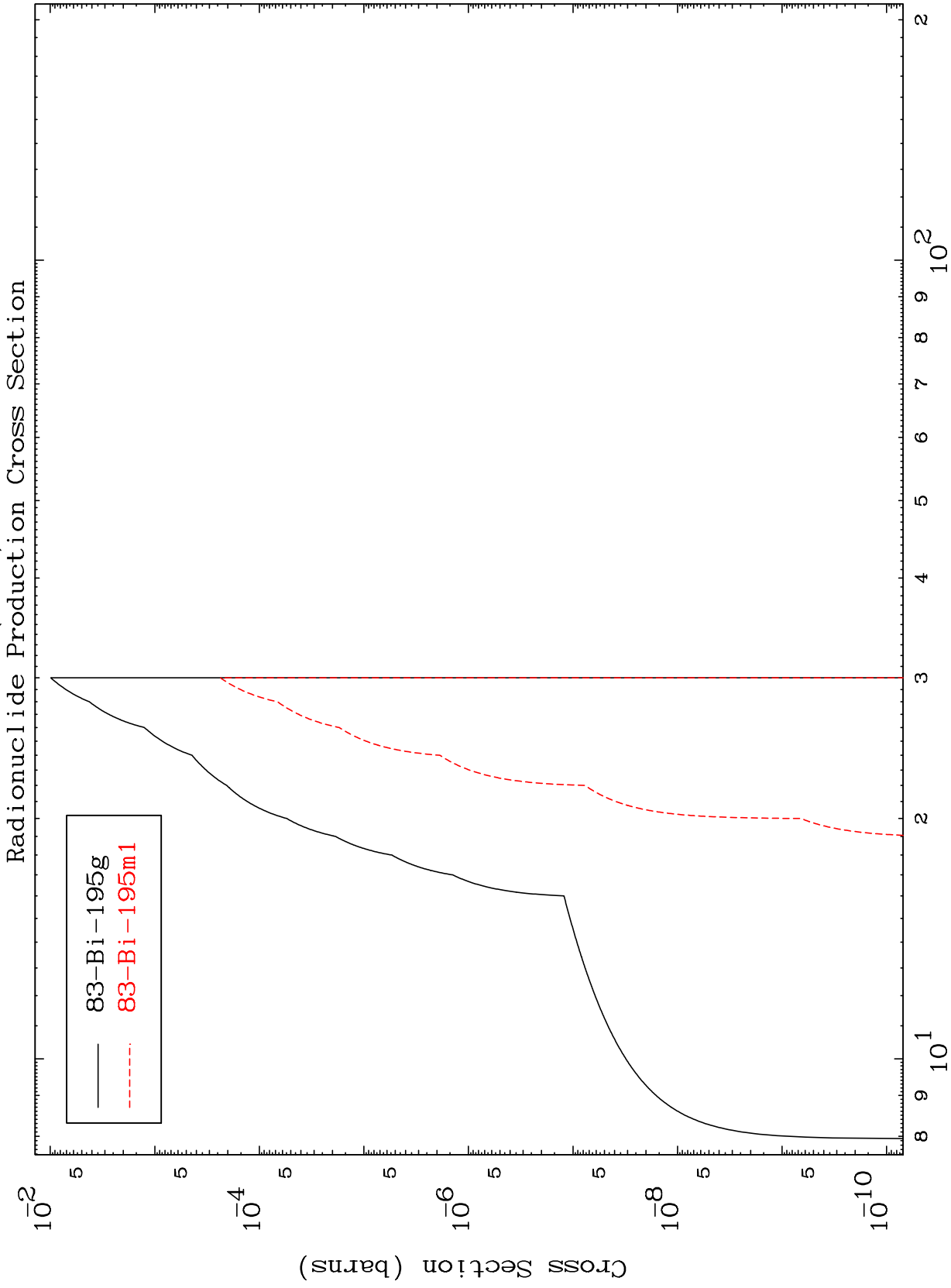
Incident Energy (MeV)

83-Bi-196

MAT 8287

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

83-Bi-196



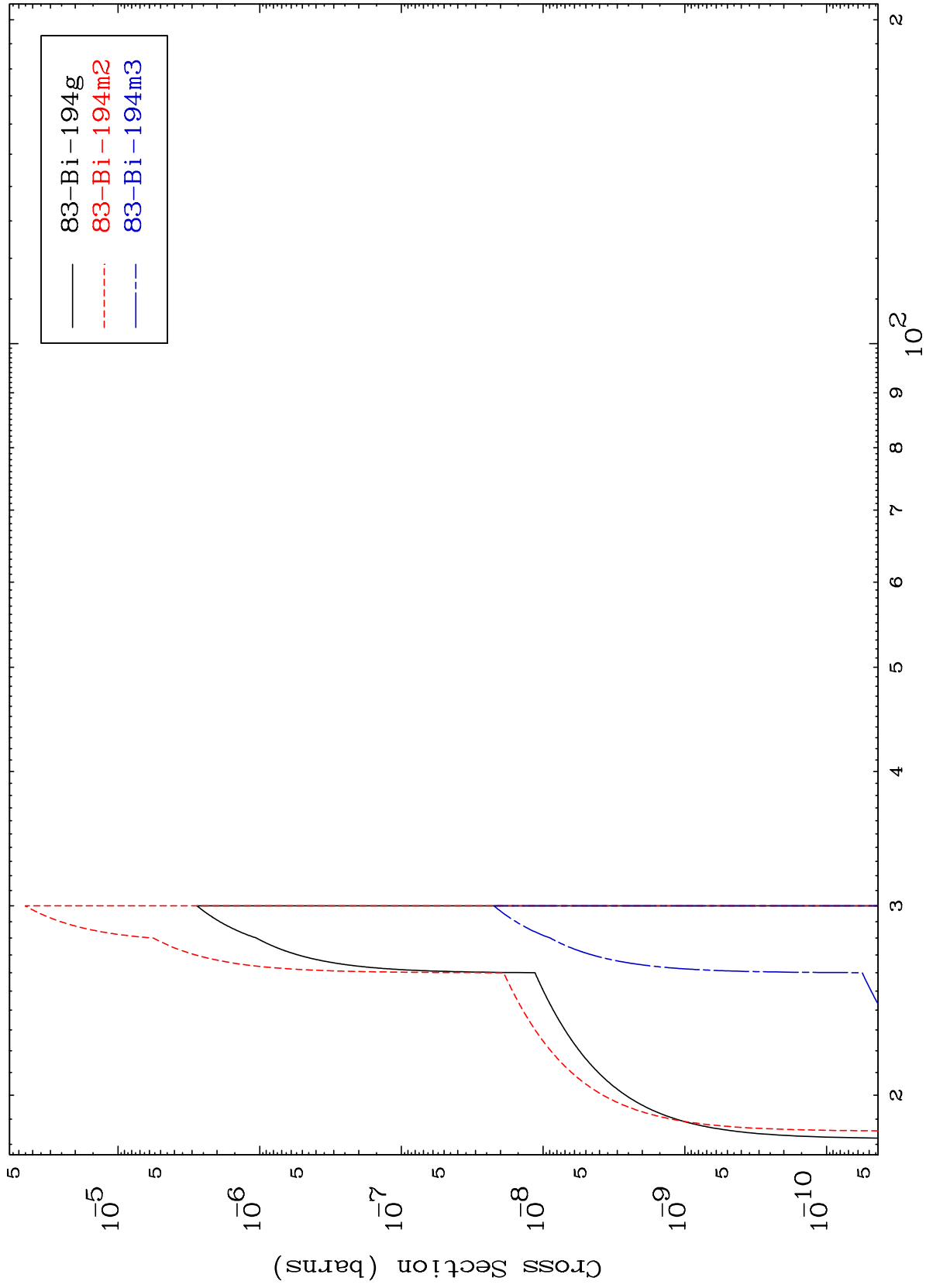
13

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$(\alpha, 2n) \alpha$

83-Bi-196

Radionuclide Production Cross Section



14

Incident Energy (MeV)

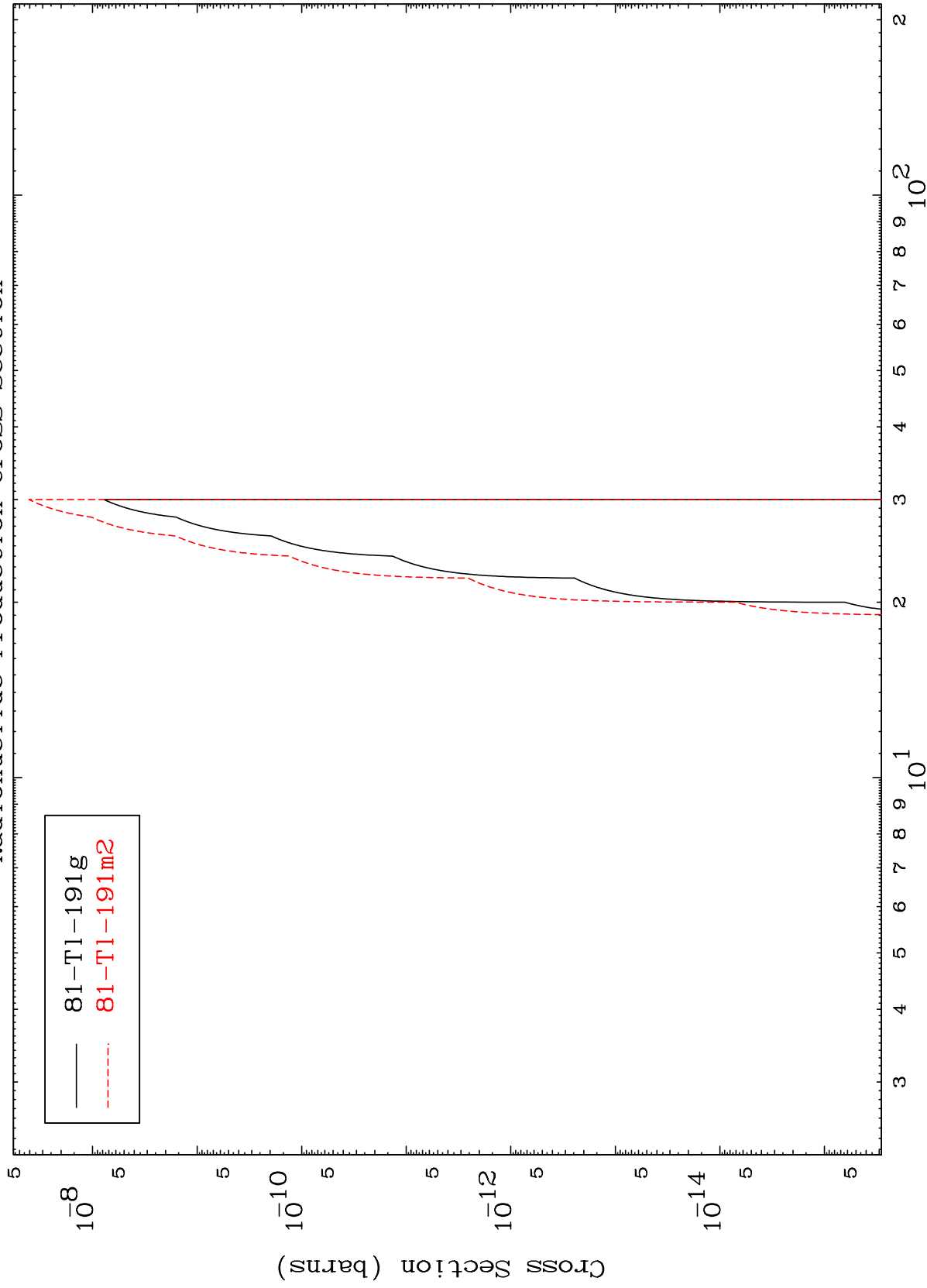
83-Bi-196

MAT 8287

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

83-Bi-196

Radionuclide Production Cross Section



15

Incident Energy (MeV)

83-Bi-196

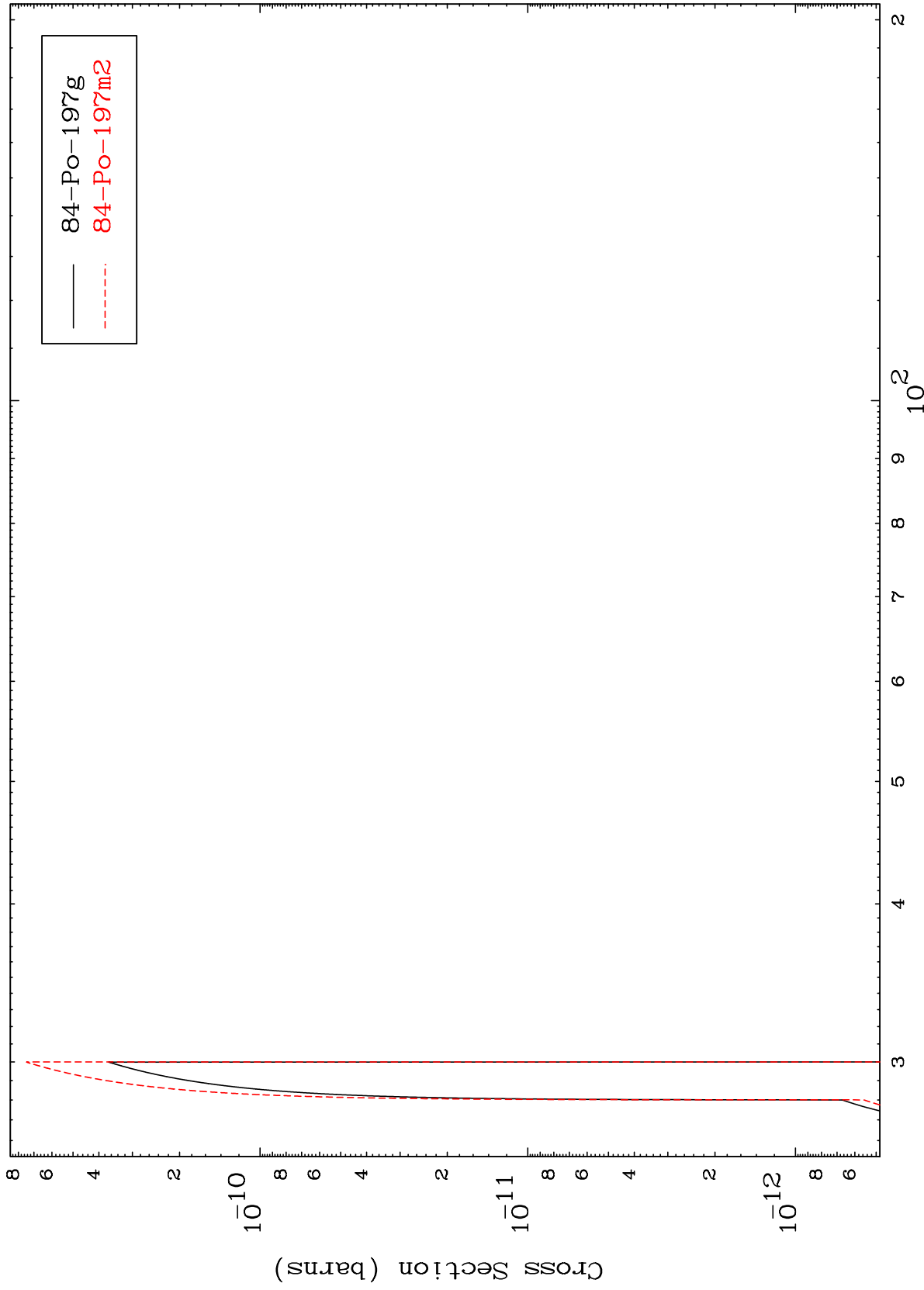


MAT 8287

( $\alpha, n'$ ) d

83-Bi-196

Radionuclide Production Cross Section



16

Incident Energy (MeV)

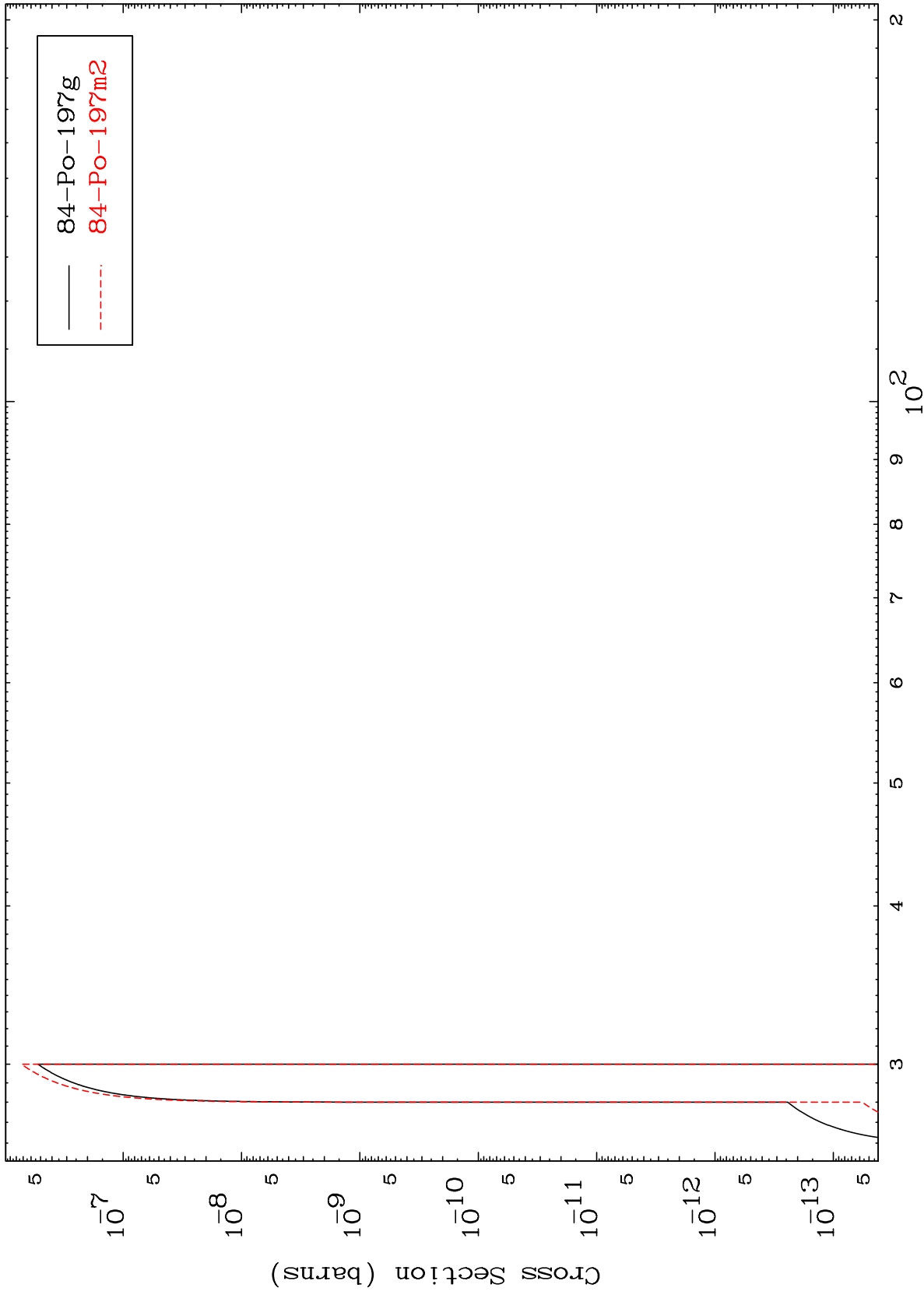
83-Bi-196

MAT 8287

$(\alpha, 2n)$  p

83-Bi-196

Radionuclide Production Cross Section



17

Incident Energy (MeV)

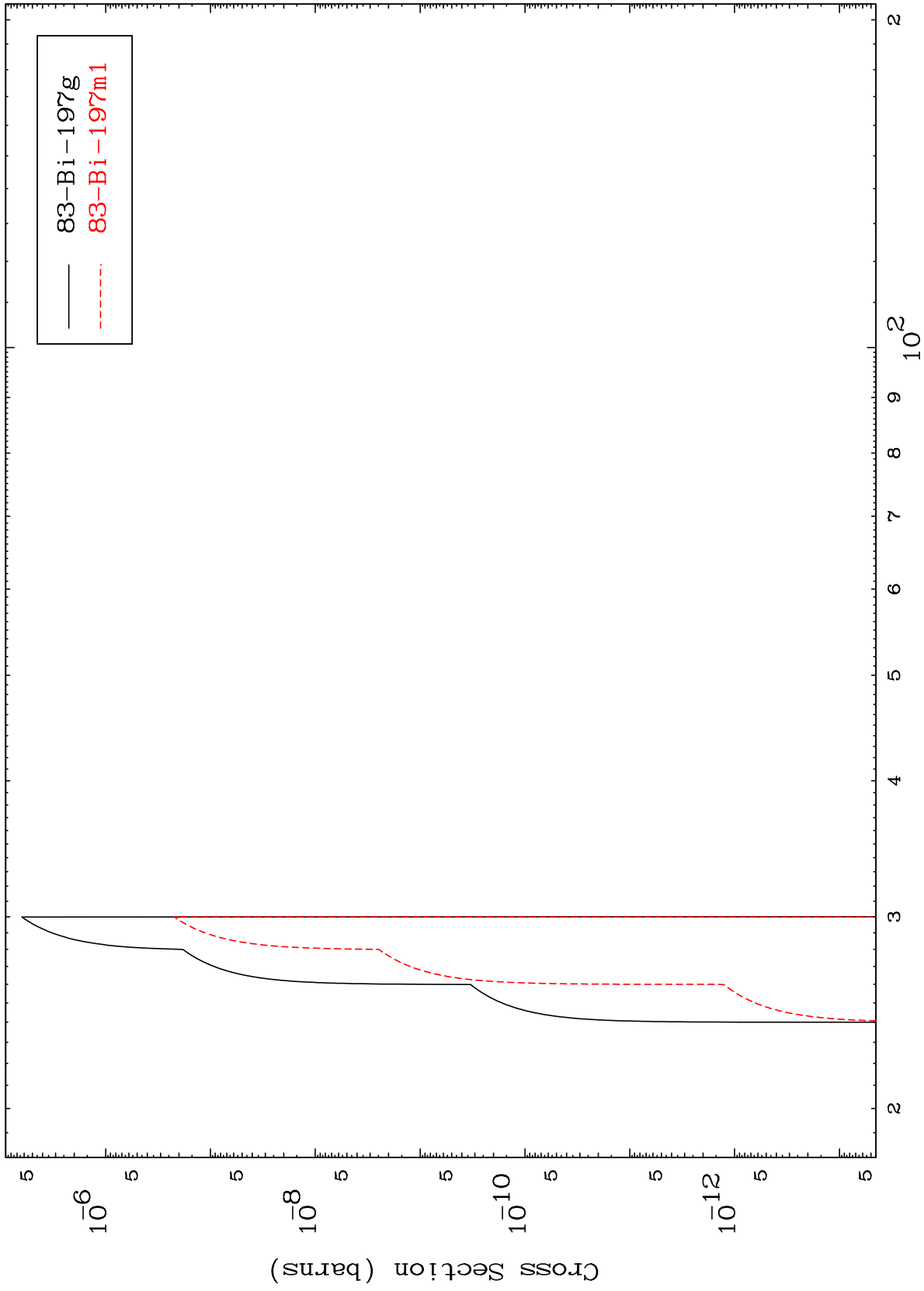
83-Bi-196

MAT 8287

$(\alpha, 2n)$  p

$^{83}\text{Bi}-196$

Radionuclide Production Cross Section



18

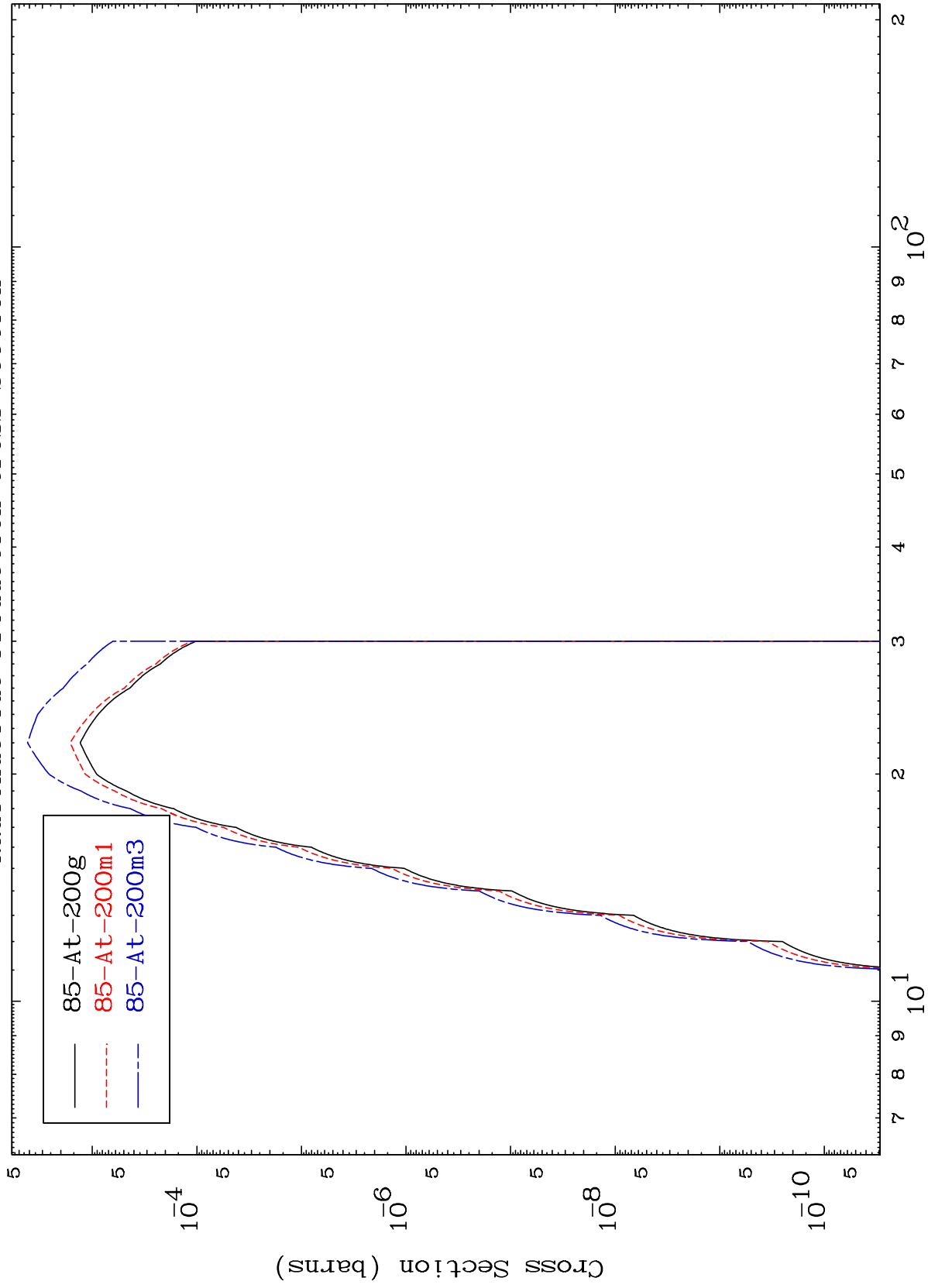
Incident Energy (MeV)

$^{83}\text{Bi}-196$

MAT 8287

83-Bi-196

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



19

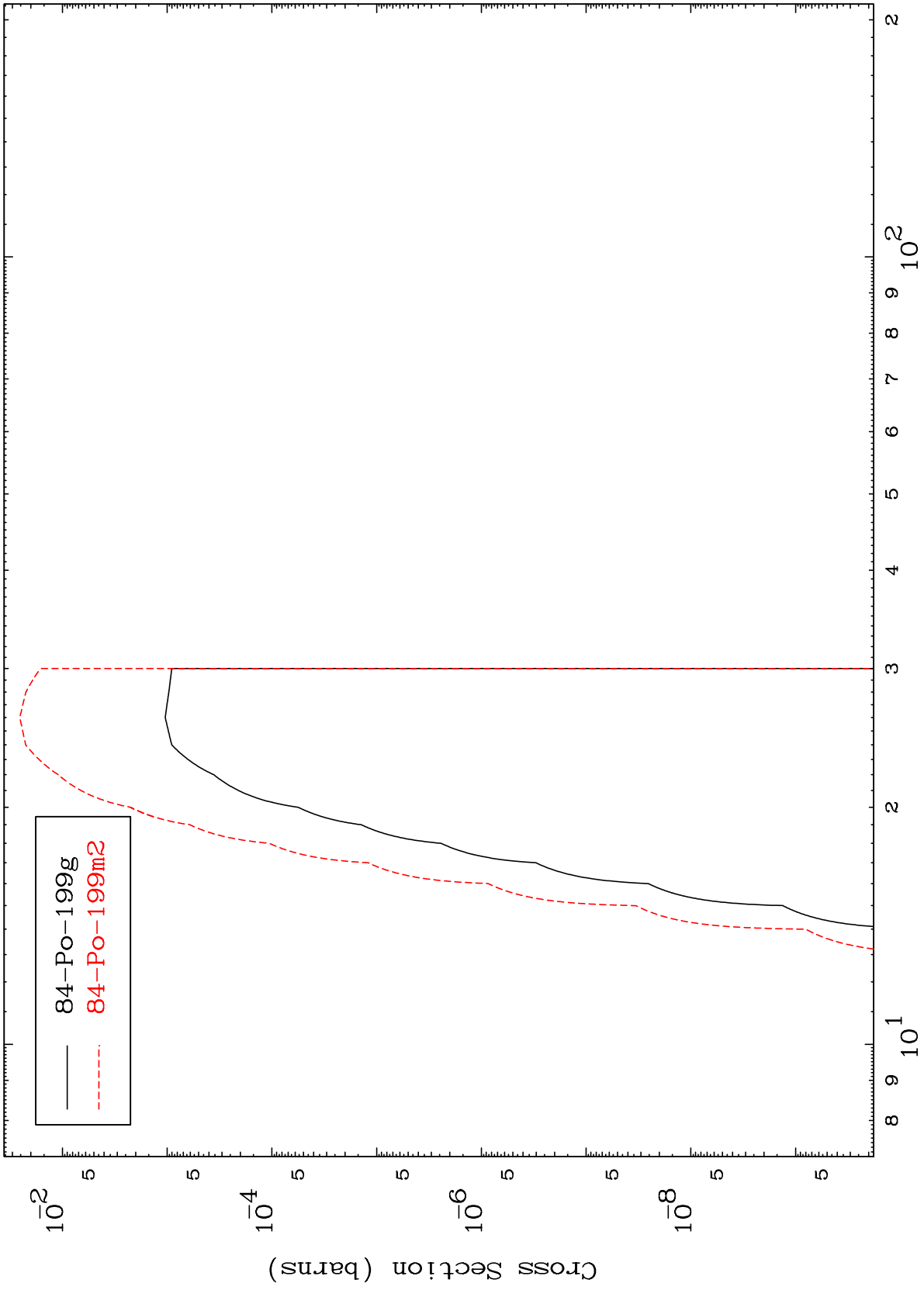
Incident Energy (MeV)

83-Bi-196

MAT 8287

83-Bi-196

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



20

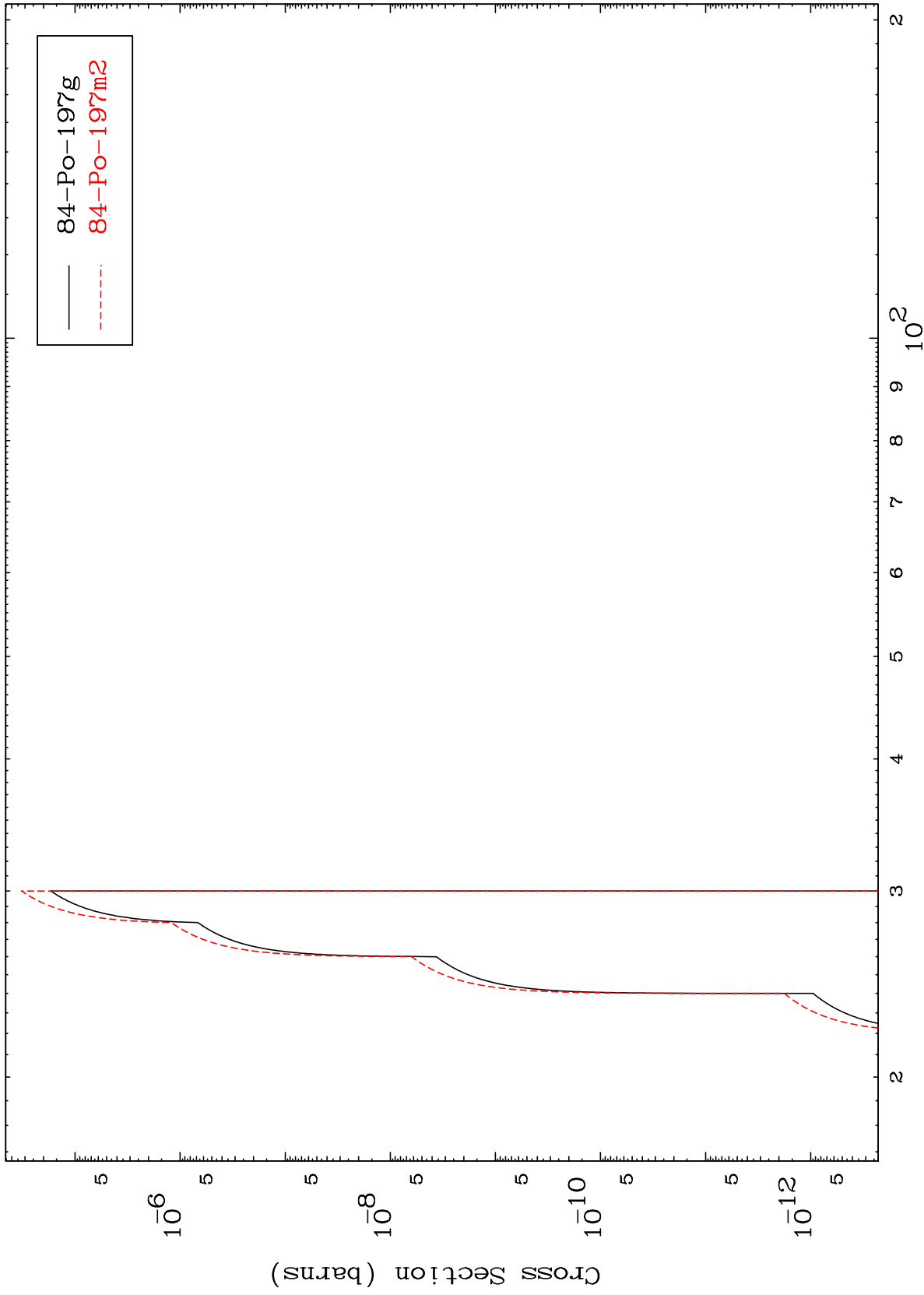
Incident Energy (MeV)

83-Bi-196

MAT 8287

83-Bi-196

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



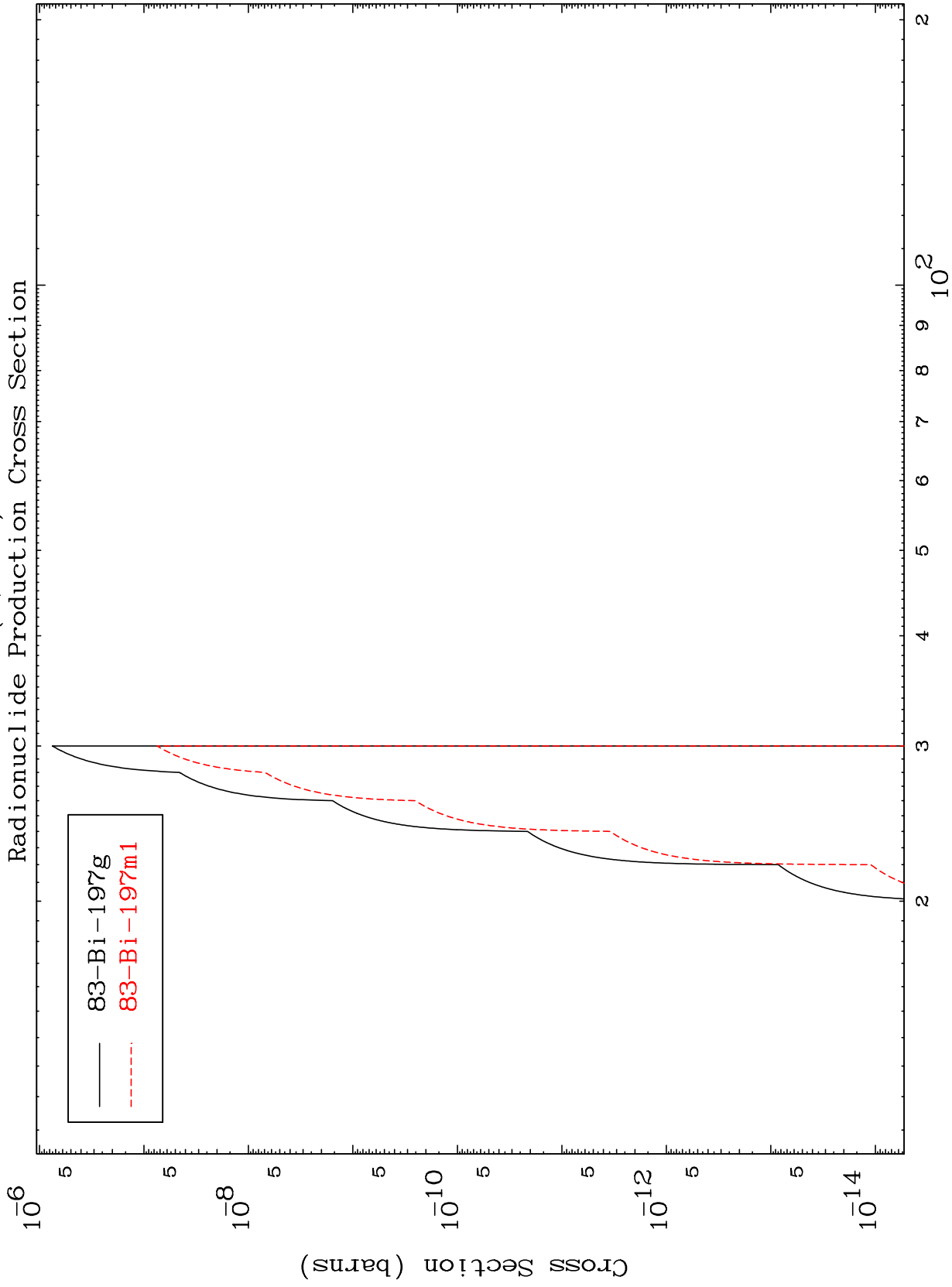
21

83-Bi-196

MAT 8287

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

83-Bi-196



22

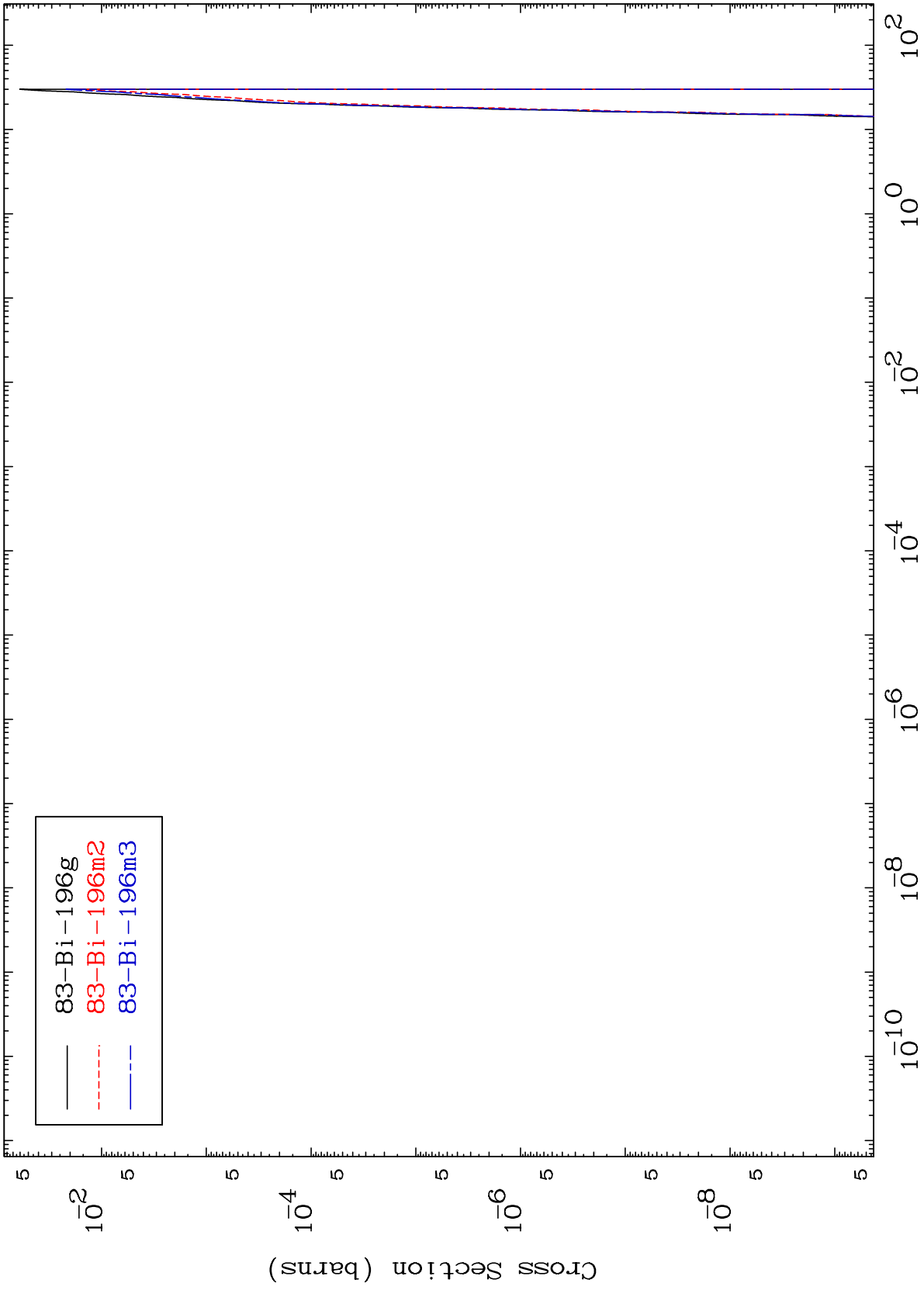
83-Bi-196

MAT 8287

( $\alpha, \alpha$ )

83-Bi-196

Radionuclide Production Cross Section



23

Incident Energy (MeV)

83-Bi-196

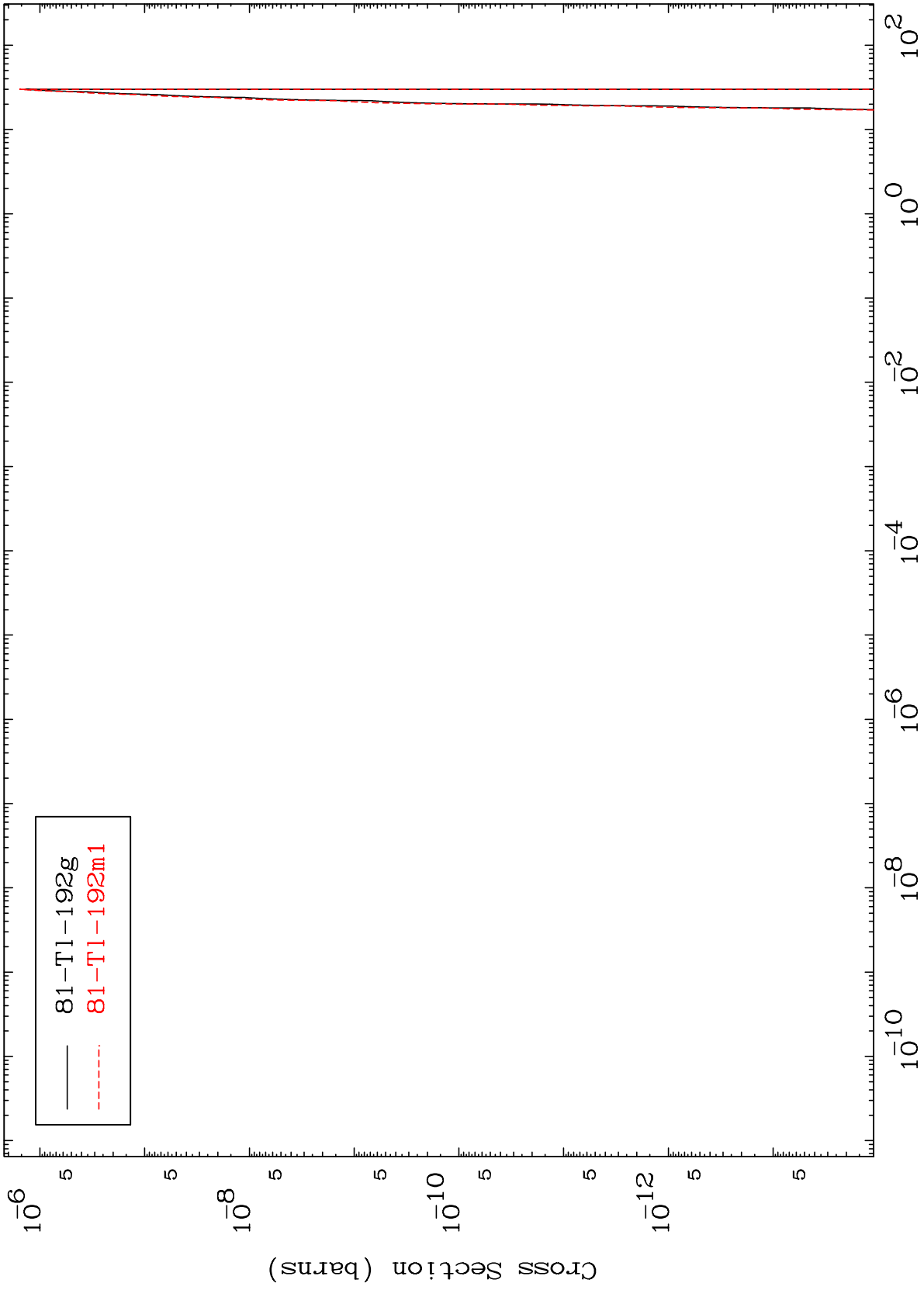


MAT 8287

( $\alpha, 2\alpha$ )

83-Bi-196

Radionuclide Production Cross Section



24

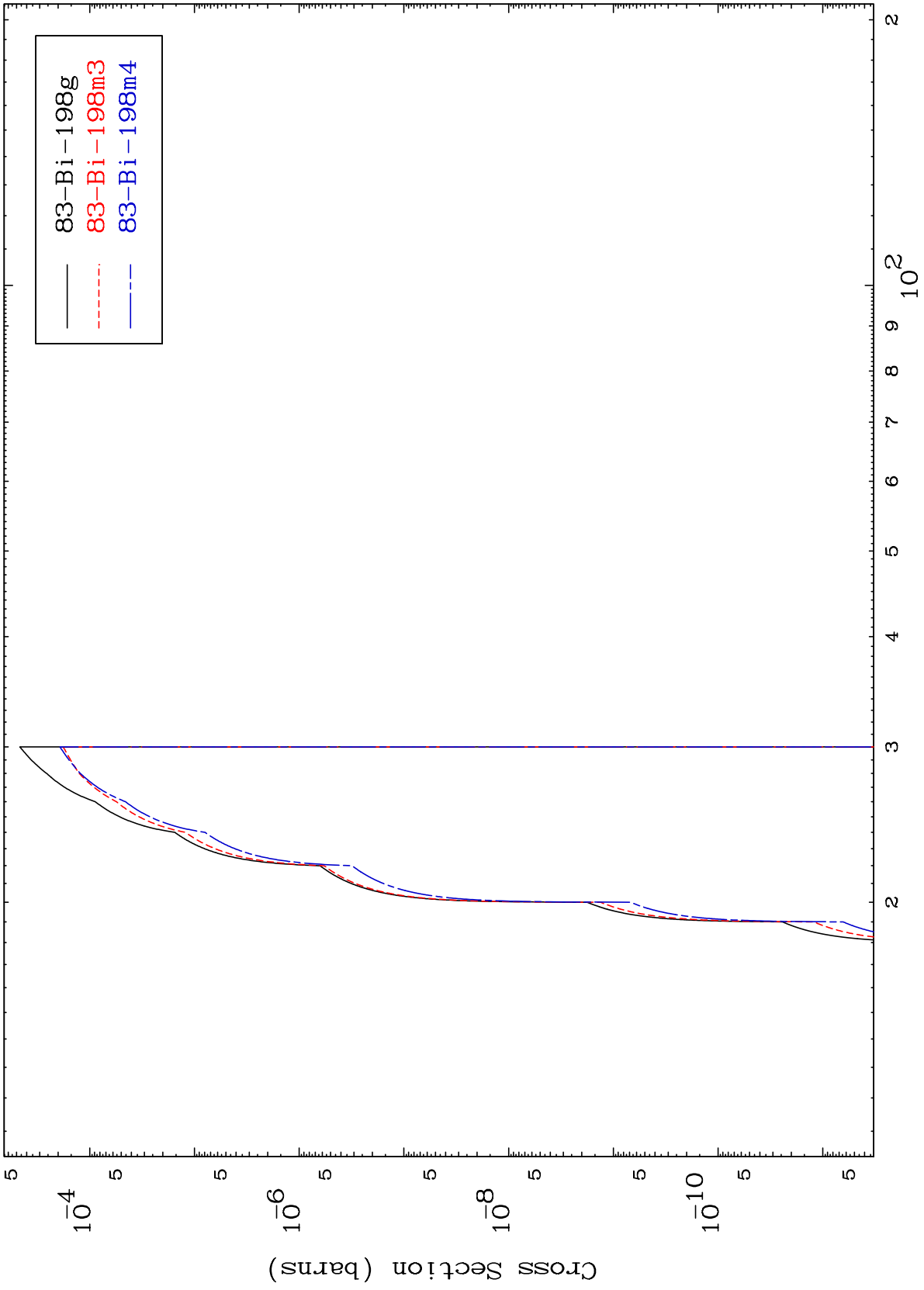
Incident Energy (MeV)

83-Bi-196

MAT 8287

83-Bi-196

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



25

83-Bi-196

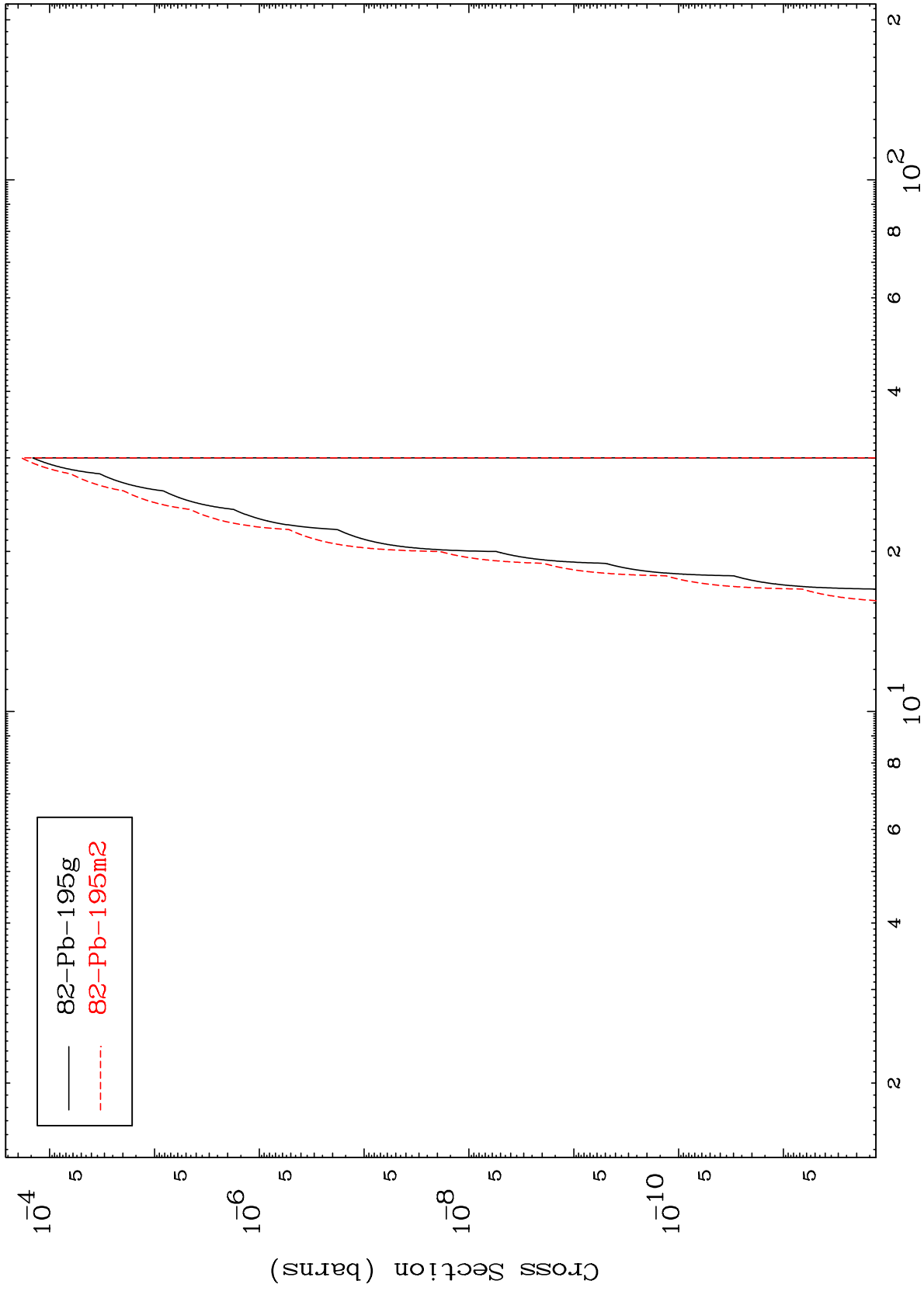
Incident Energy (MeV)

MAT 8287

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

83-Bi-196

Radionuclide Production Cross Section



26

Incident Energy (MeV)

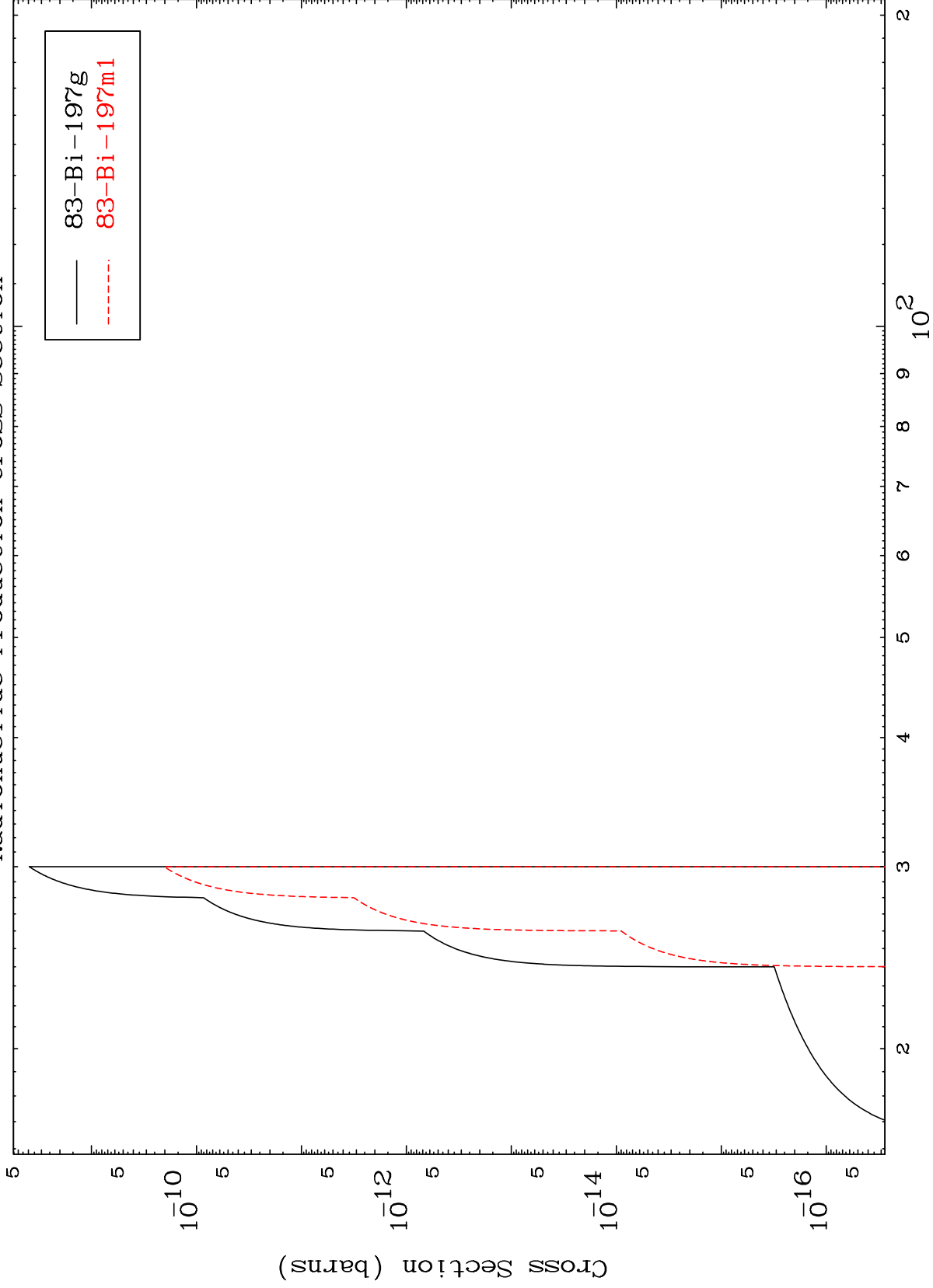
83-Bi-196

MAT 8287

( $\alpha, p$ ) d

83-Bi-196

Radionuclide Production Cross Section



27

Incident Energy (MeV)

83-Bi-196