

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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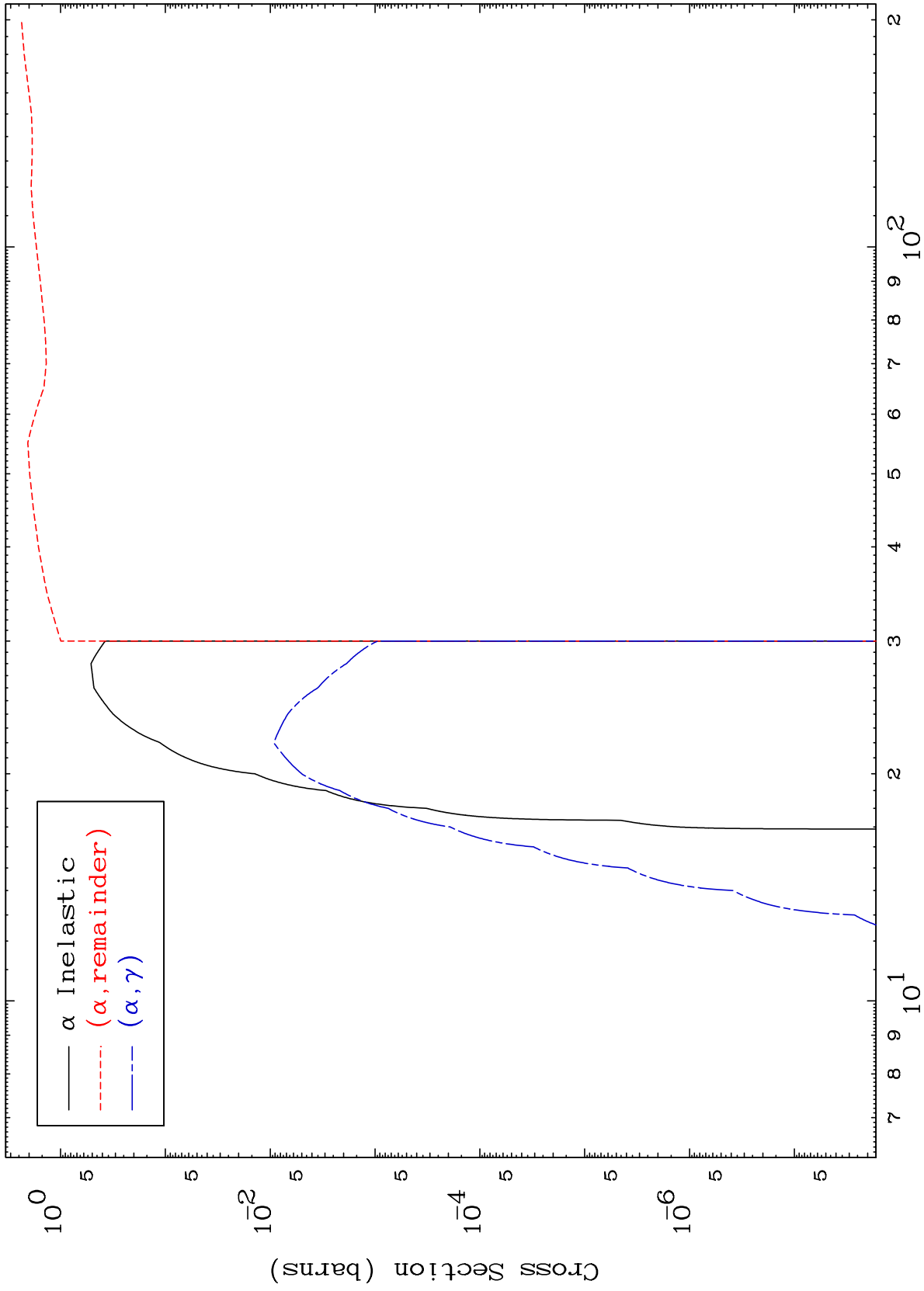
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8284

0 Kelvin  $\alpha$  Major  
Cross Sections

83-Bi-195



1

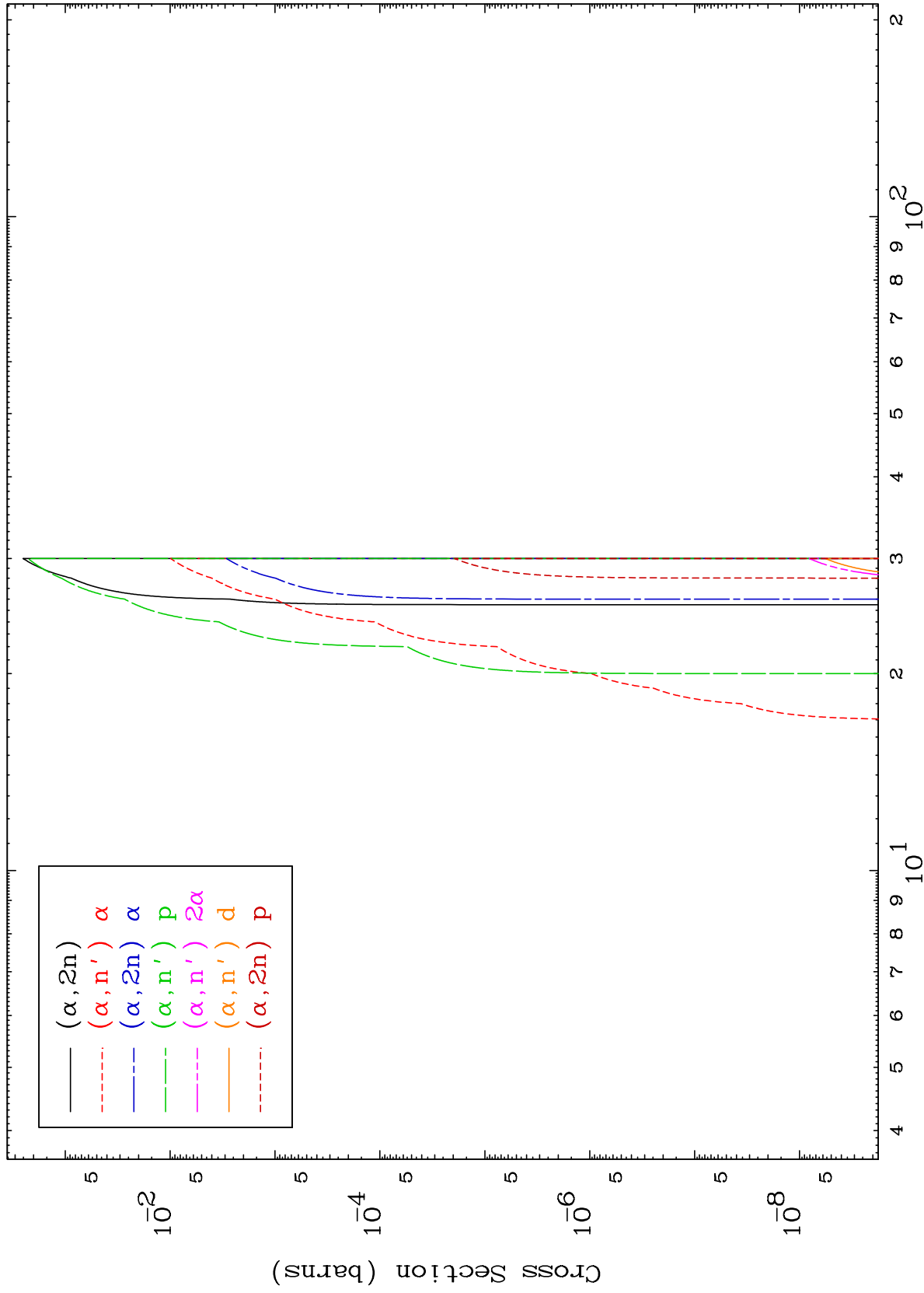
Incident Energy (MeV)

83-Bi-195

MAT 8284

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

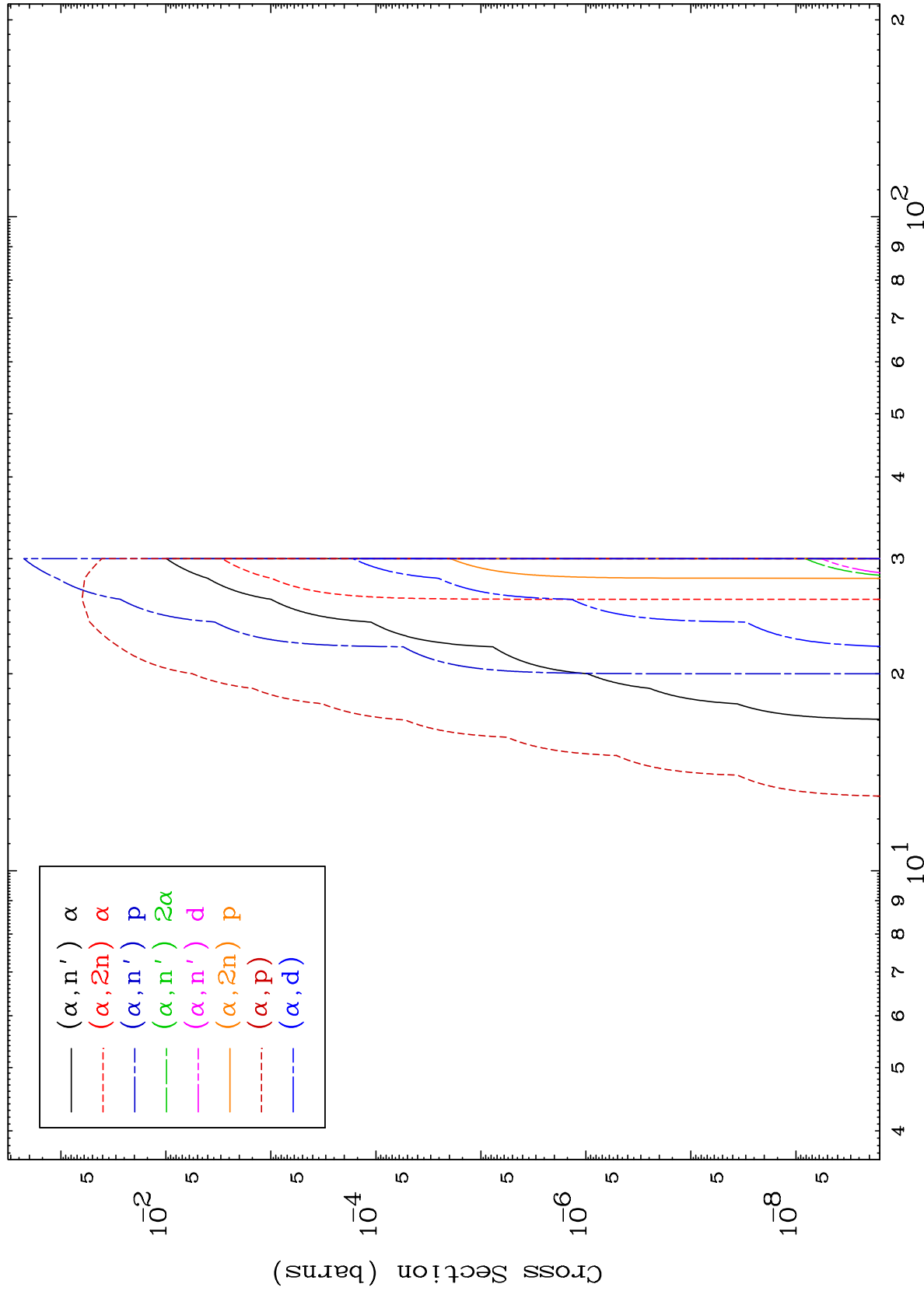
83-Bi-195



2

Incident Energy (MeV)

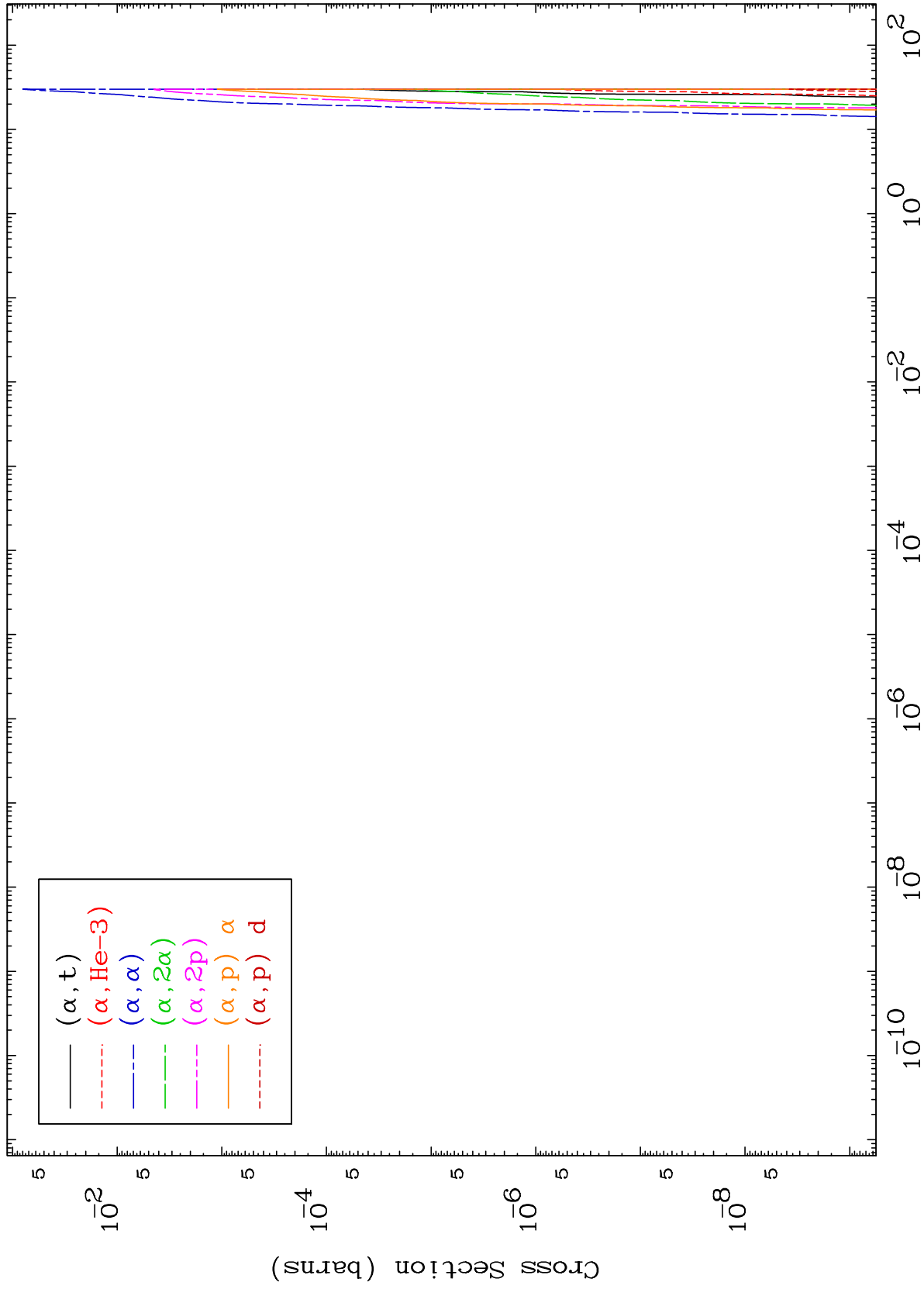
83-Bi-195



MAT 8284

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

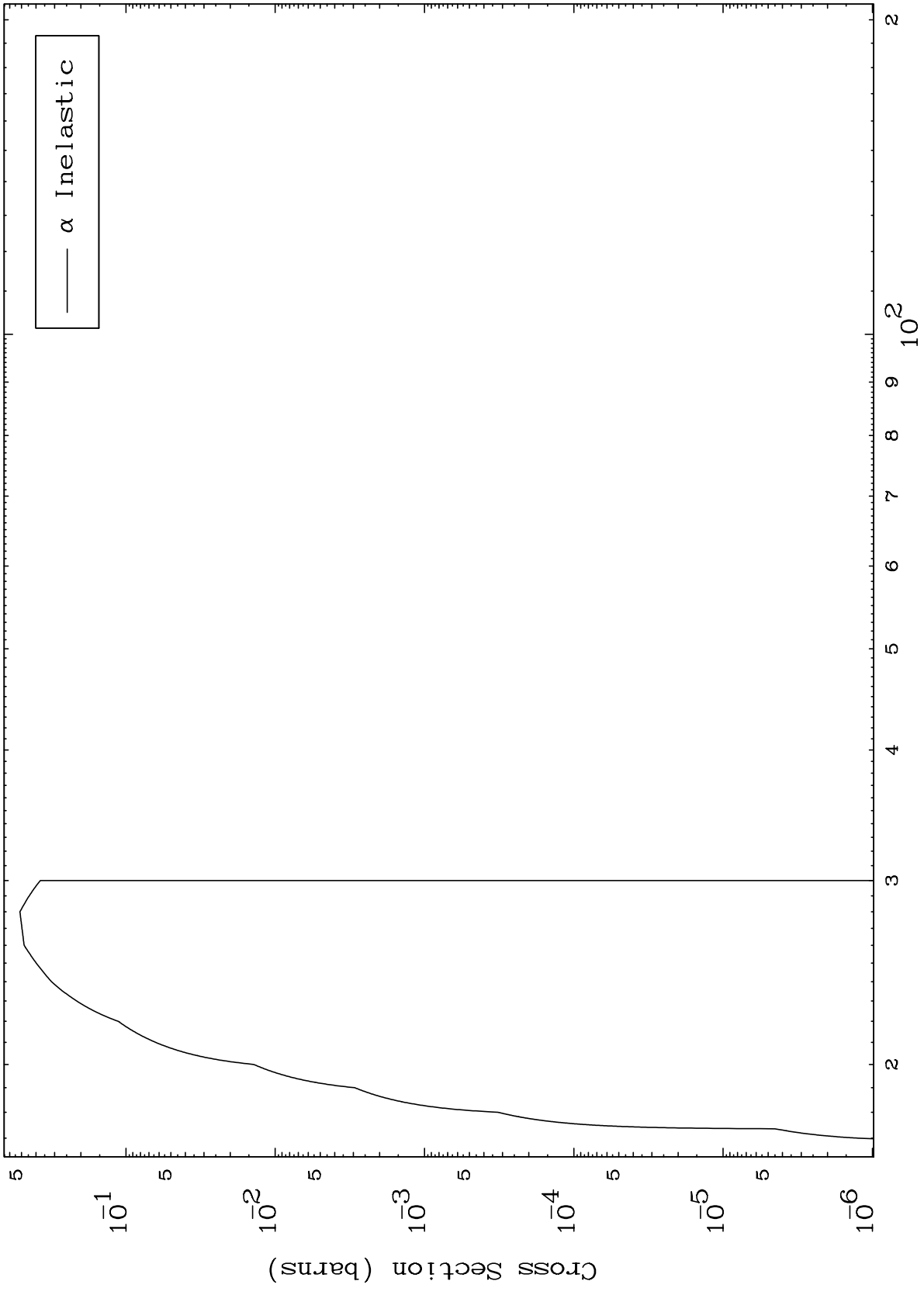
83-Bi-195



MAT 8284

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

83-Bi-195



5

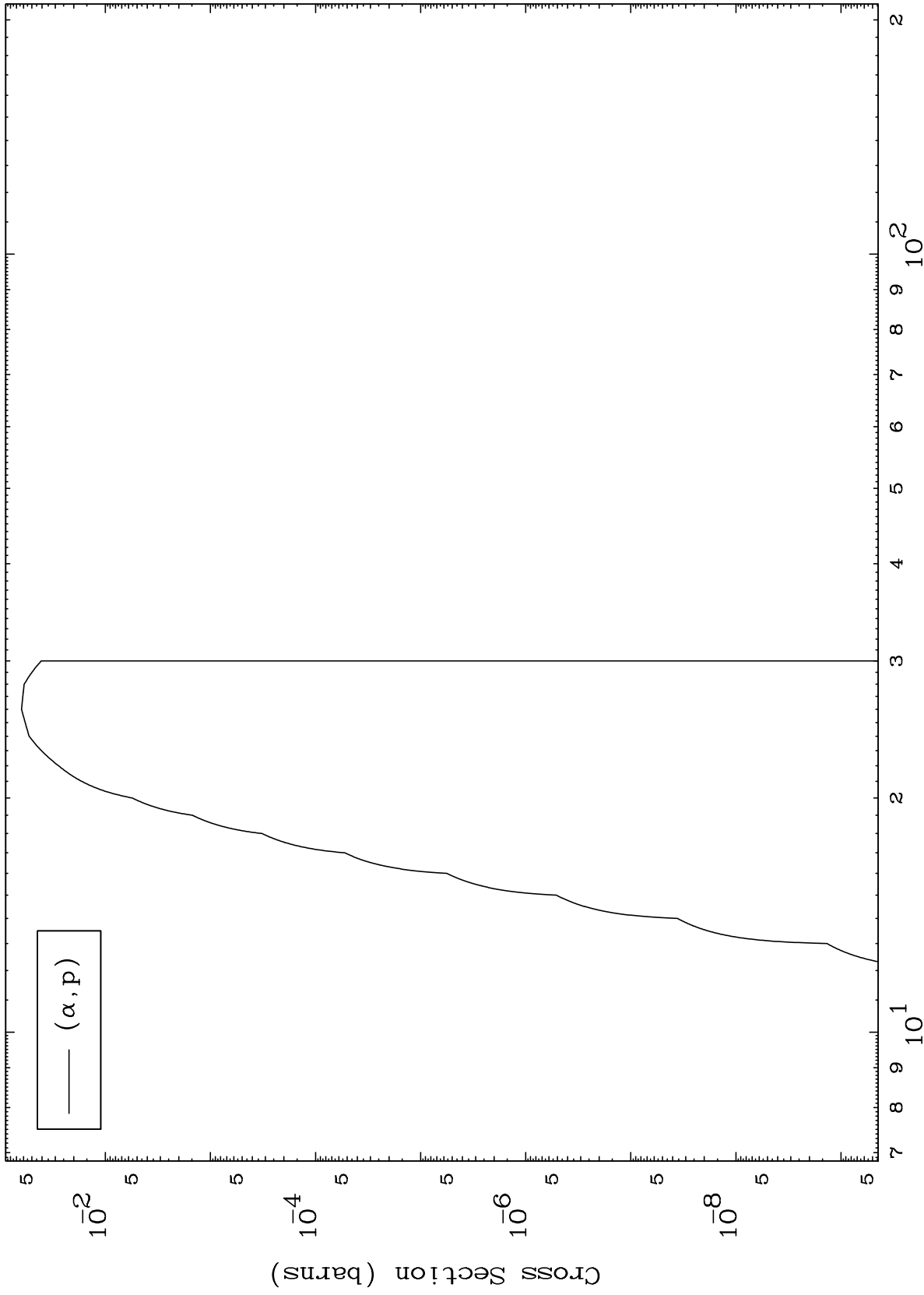
Incident Energy (MeV)

83-Bi-195

MAT 8284

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

83-Bi-195



6

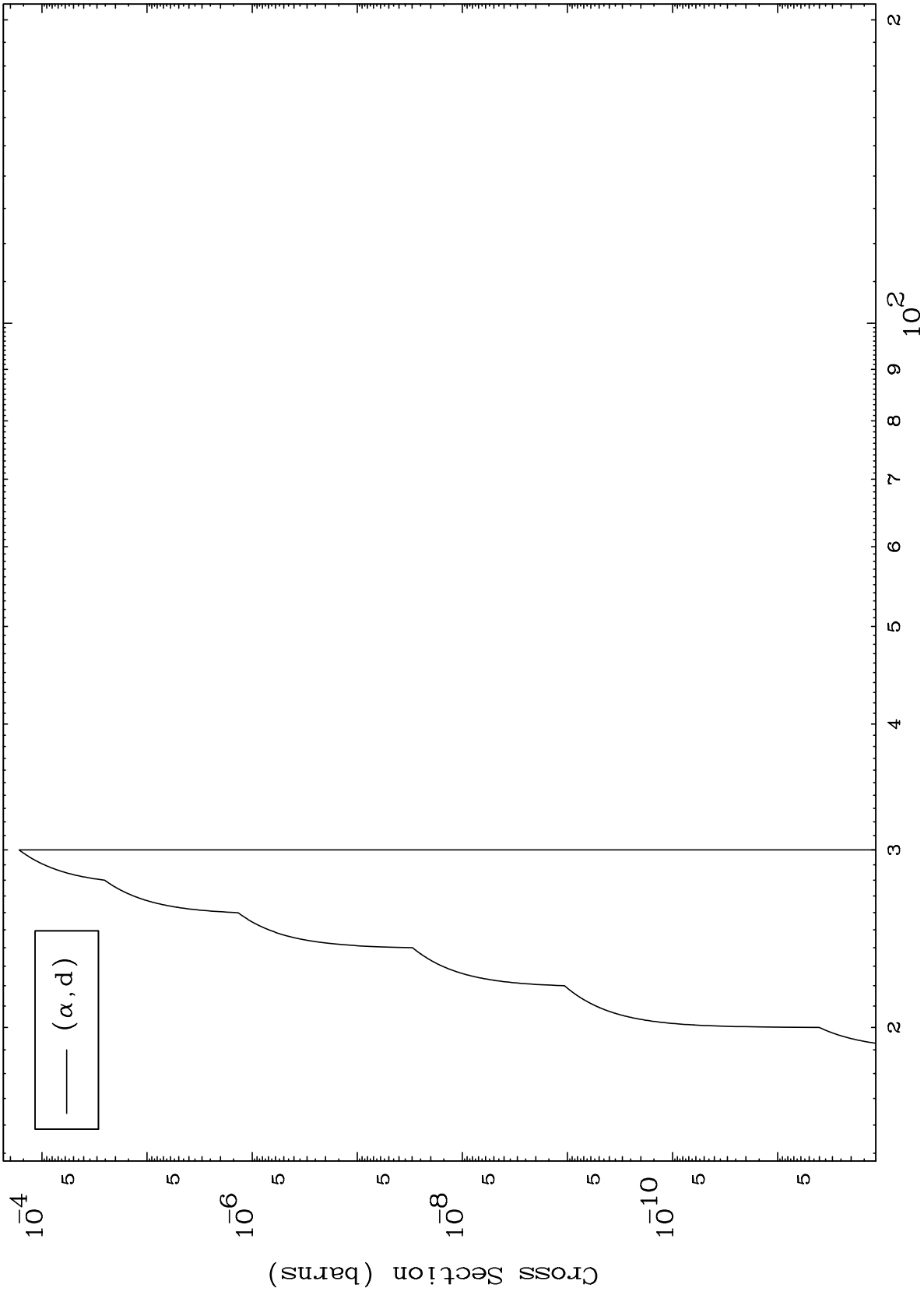
Incident Energy (MeV)

83-Bi-195

MAT 8284

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

83-Bi-195



7

Incident Energy (MeV)

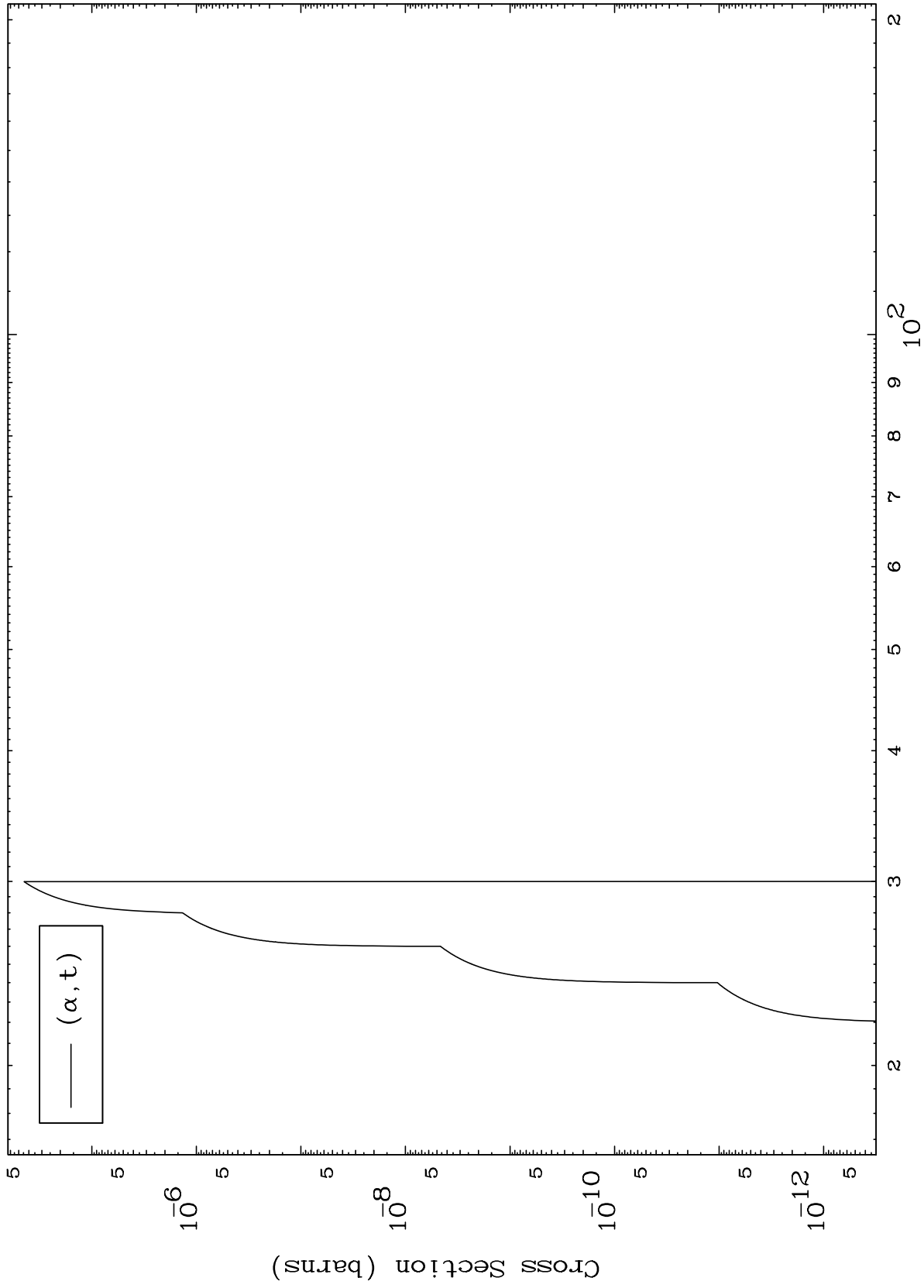
83-Bi-195



MAT 8284

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

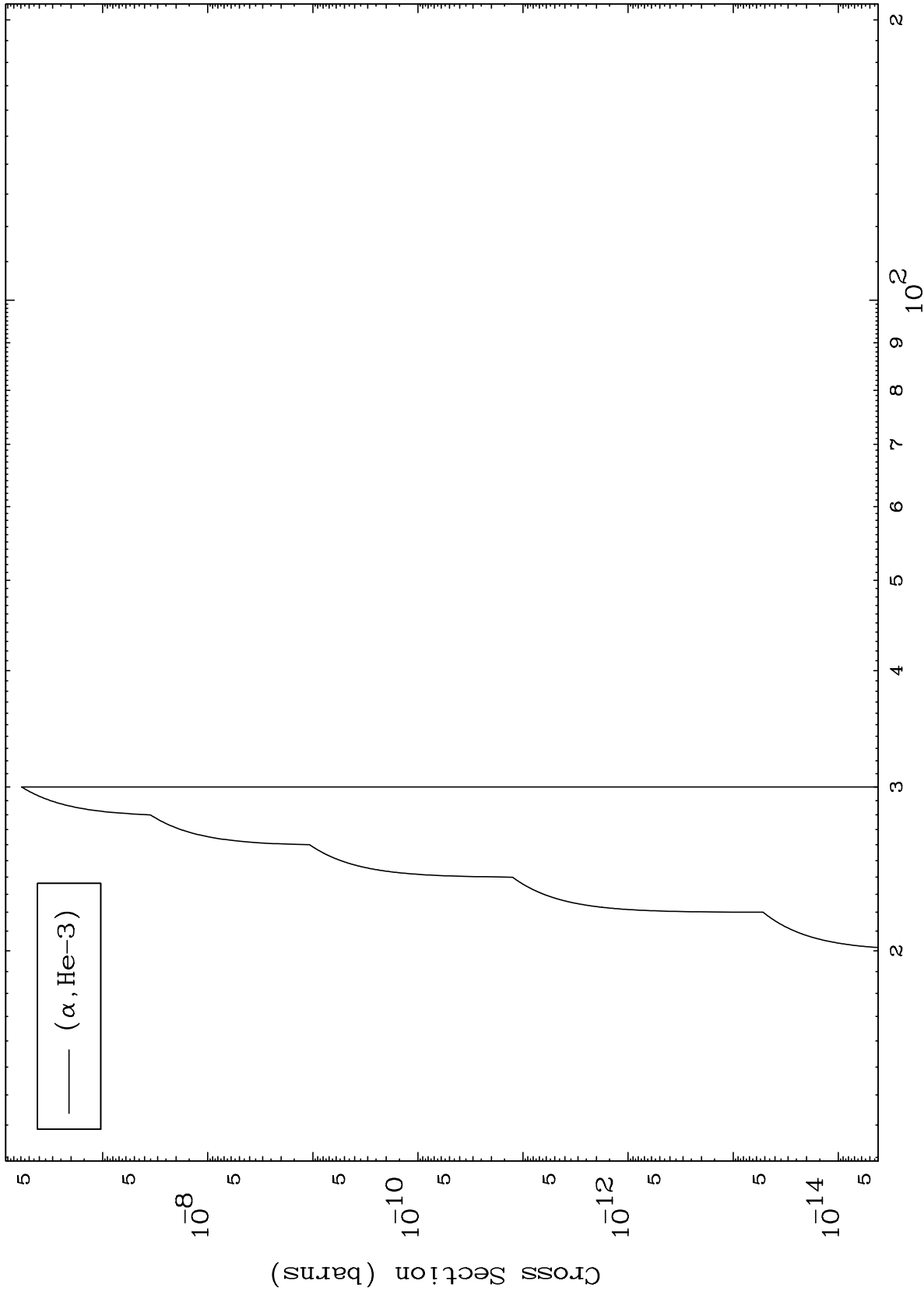
83-Bi-195



8

Incident Energy (MeV)

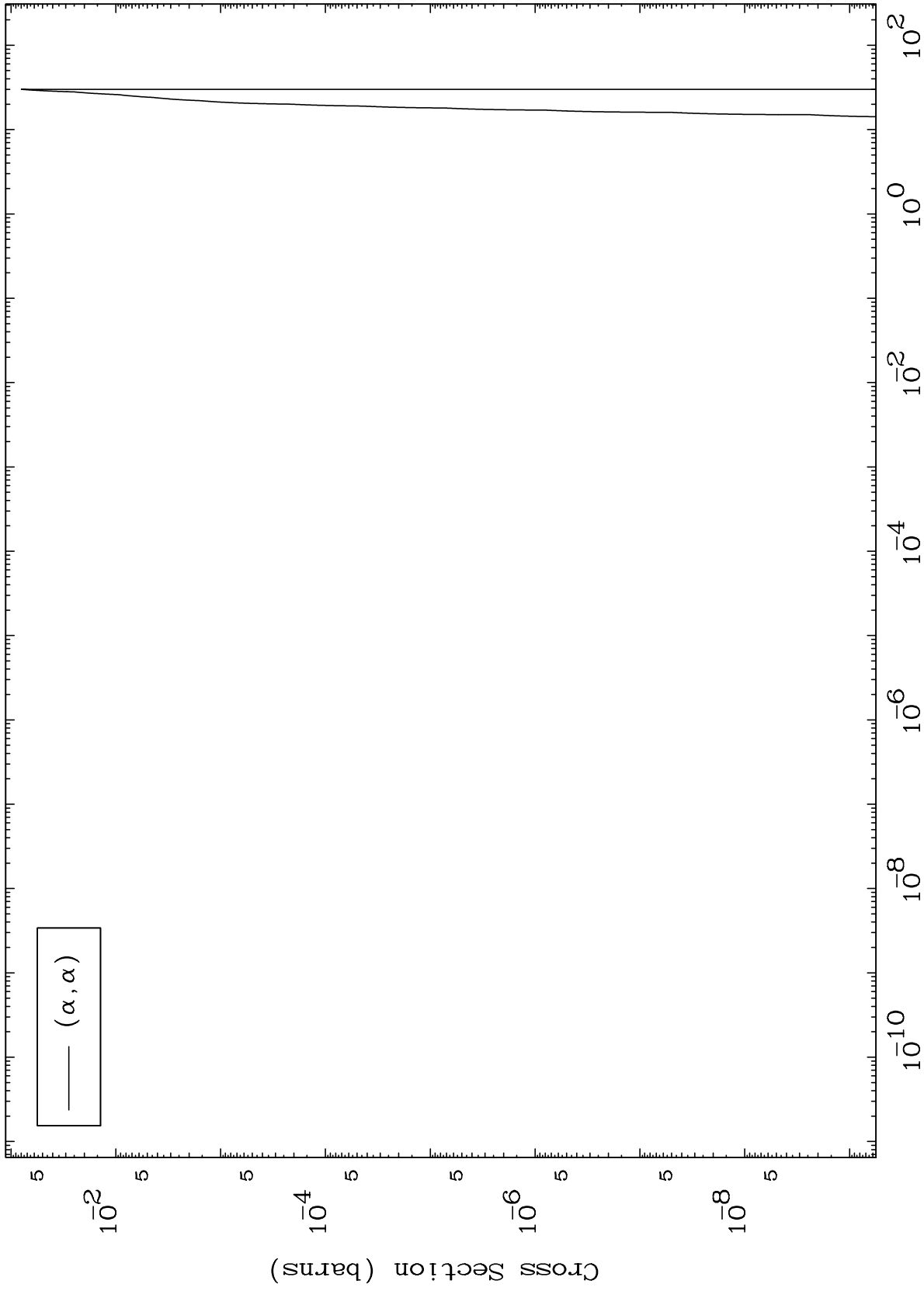
83-Bi-195



MAT 8284

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

83-Bi-195



10

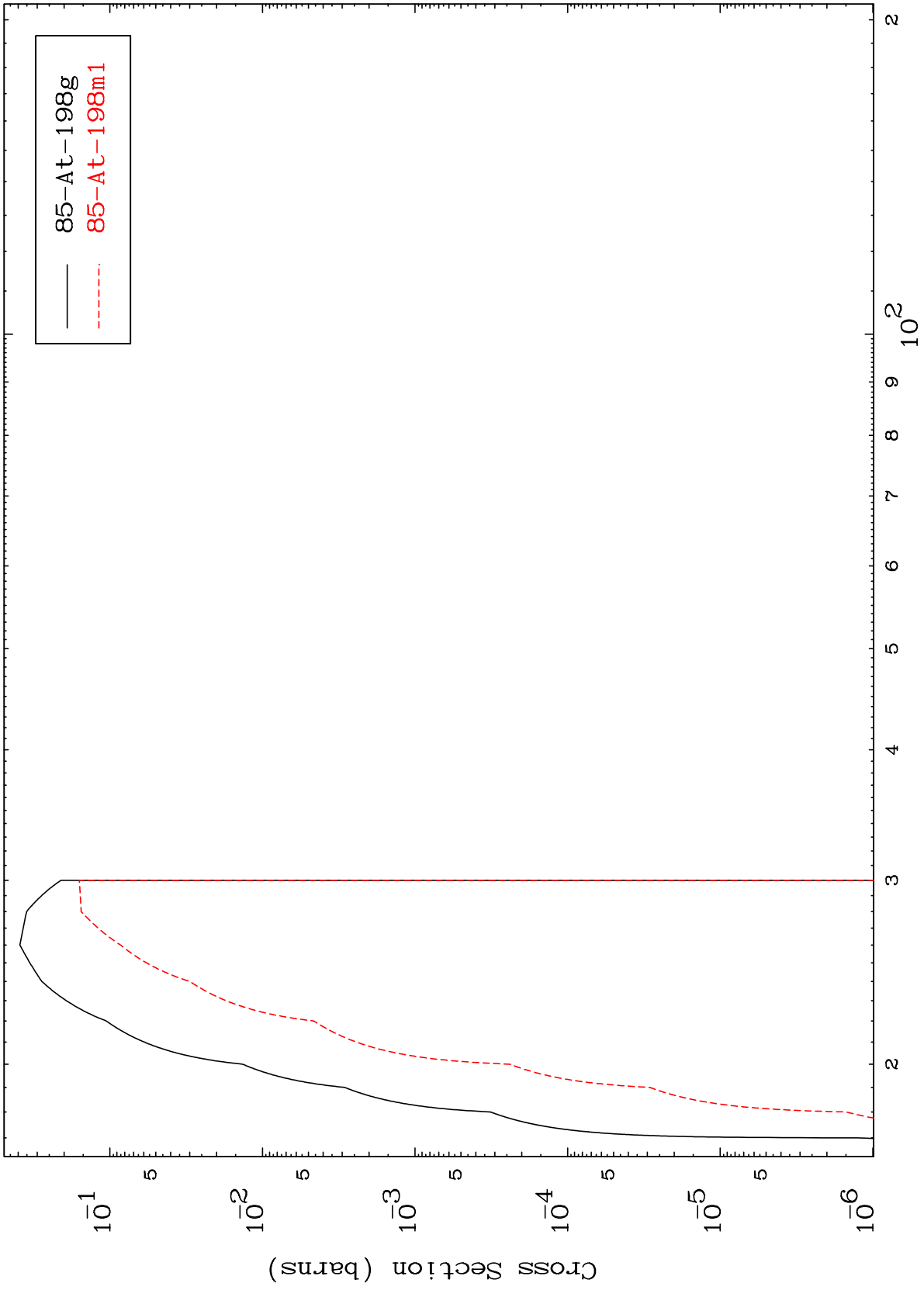
Incident Energy (MeV)

83-Bi-195

MAT 8284

$\alpha$  Inelastic  
Radionuclide Production Cross Section

83-Bi-195



11

Incident Energy (MeV)

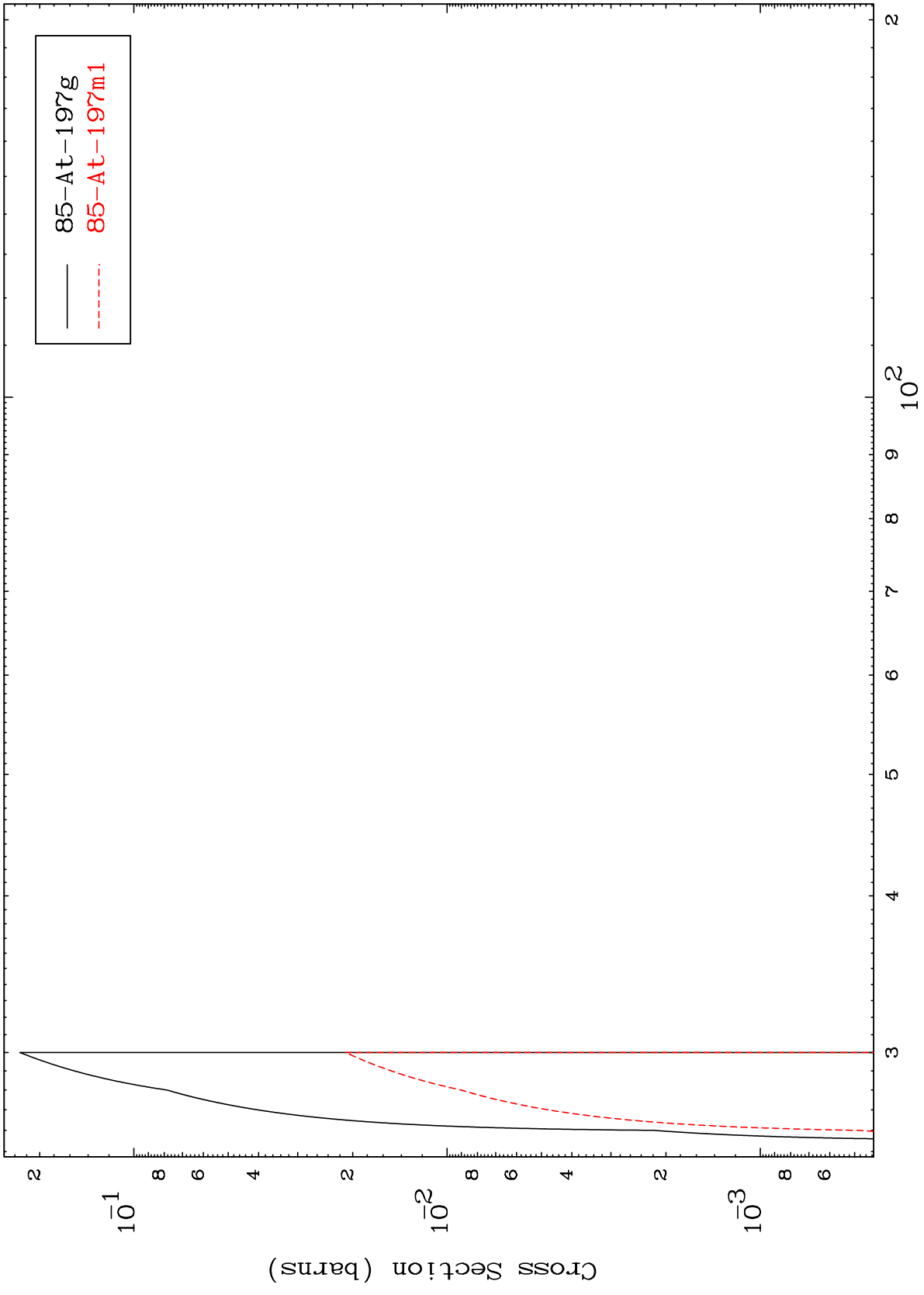
83-Bi-195

MAT 8284

( $\alpha, 2n$ )

83-Bi-195

Radionuclide Production Cross Section



12

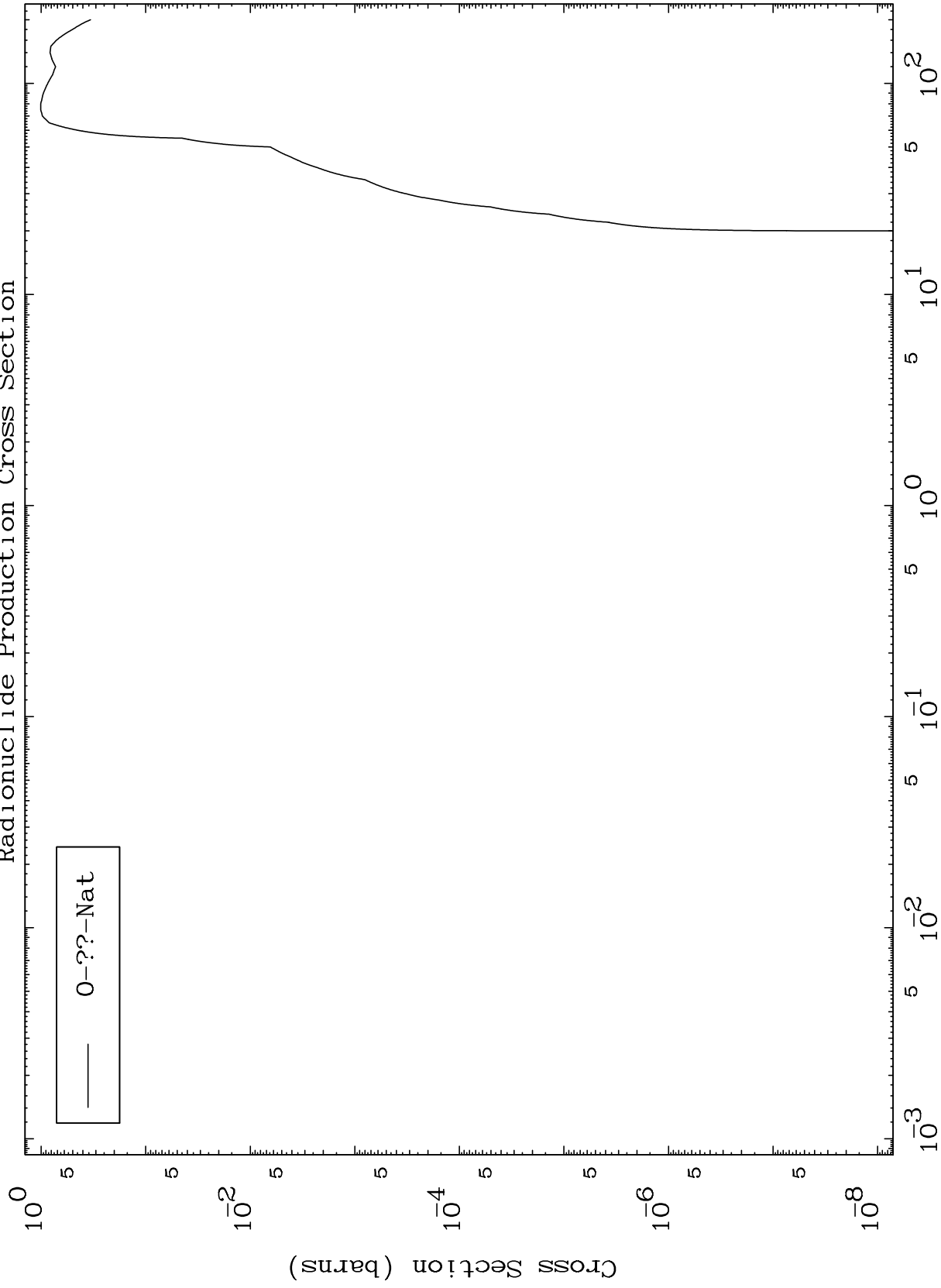
Incident Energy (MeV)

83-Bi-195

MAT 8284

$\alpha$  Fission  
Radionuclide Production Cross Section

83-Bi-195



13

Incident Energy (MeV)

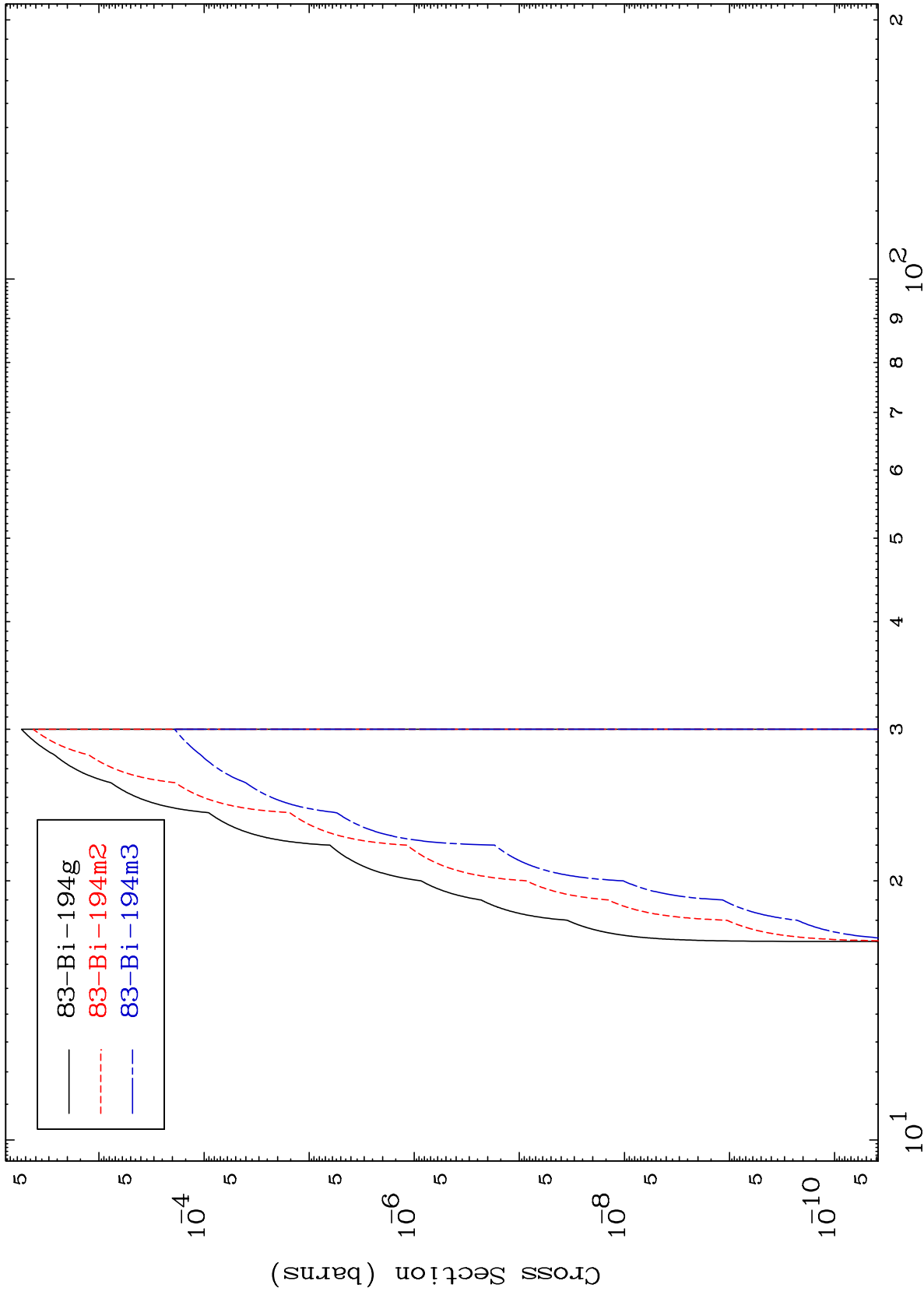
83-Bi-195

MAT 8284

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

83-Bi-195

Radionuclide Production Cross Section



14

Incident Energy (MeV)

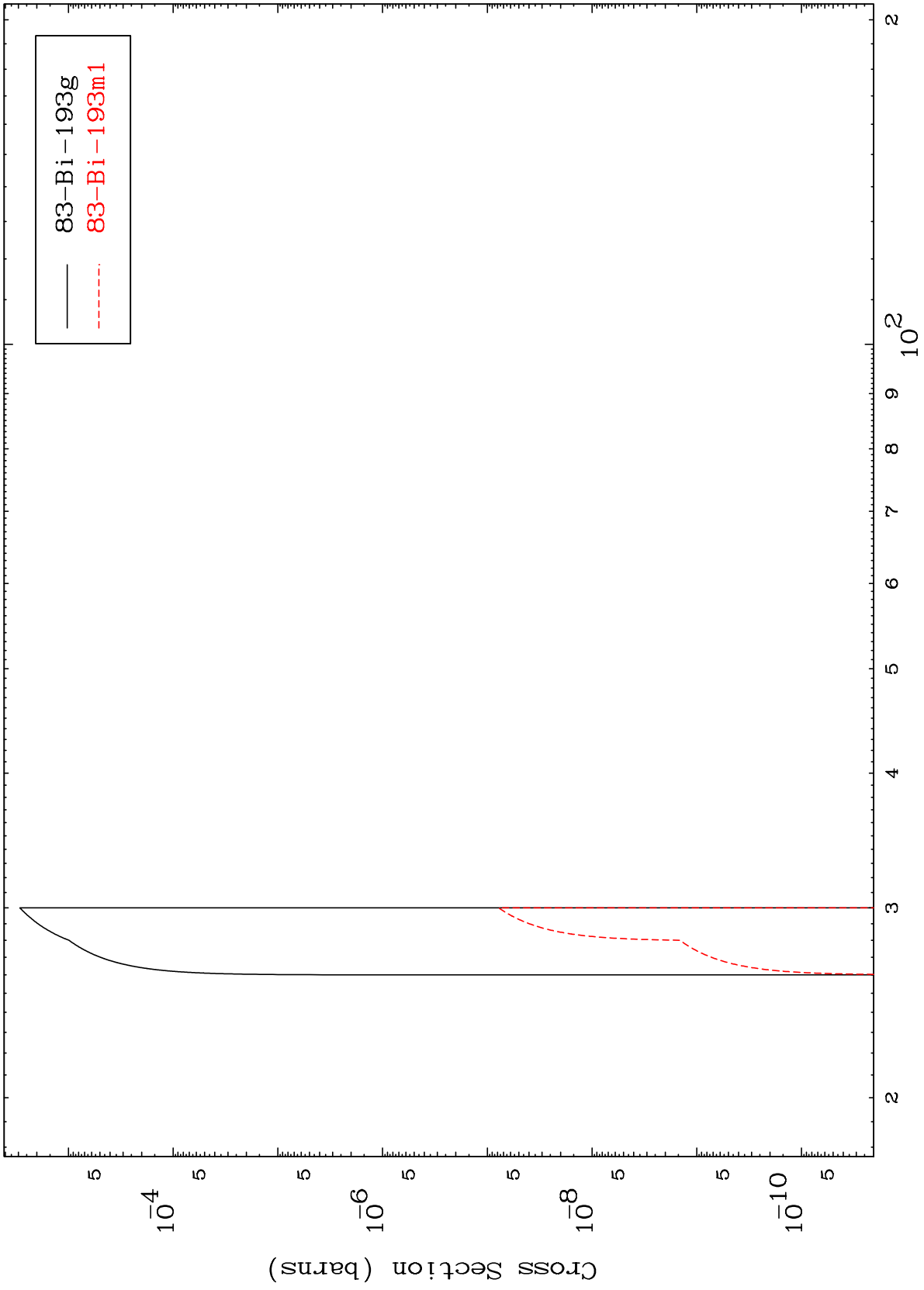
83-Bi-195

MAT 8284

$(\alpha, 2n) \alpha$

$^{83}\text{Bi}-195$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

$^{83}\text{Bi}-195$

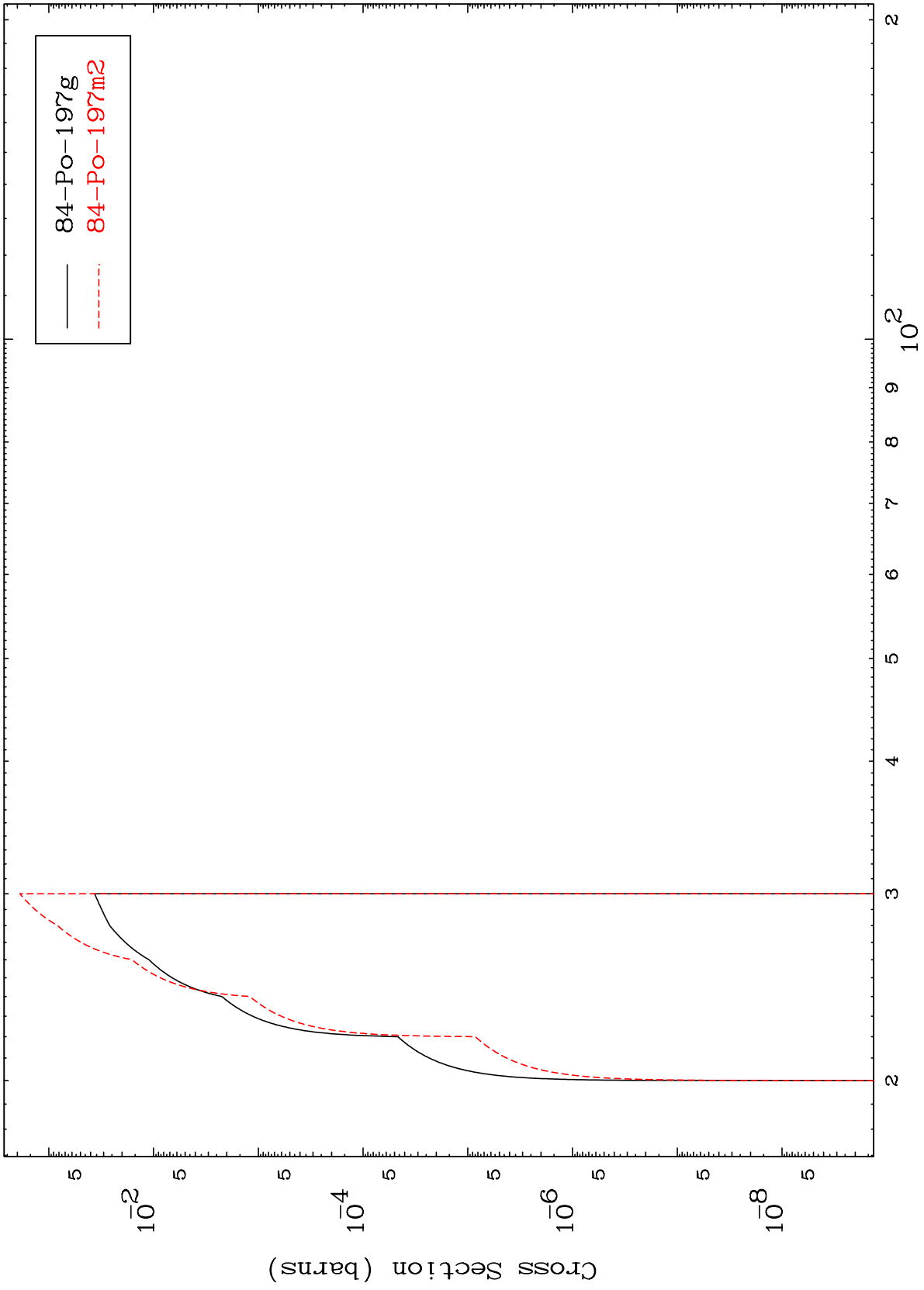


MAT 8284

( $\alpha, n'$ ) p

83-Bi-195

Radionuclide Production Cross Section



16

Incident Energy (MeV)

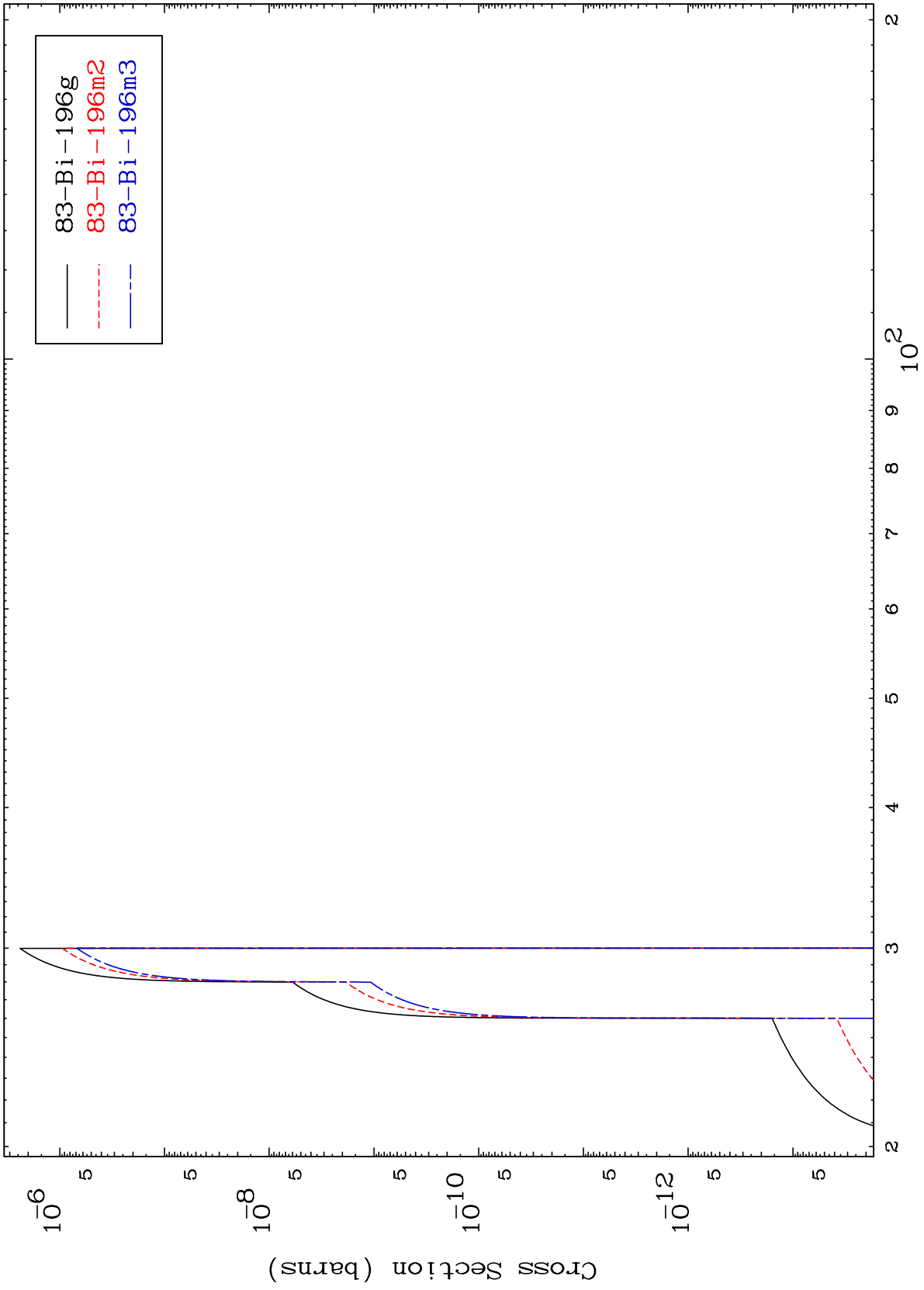
83-Bi-195

MAT 8284

( $\alpha, 2n$ ) p

83-Bi-195

Radionuclide Production Cross Section



17

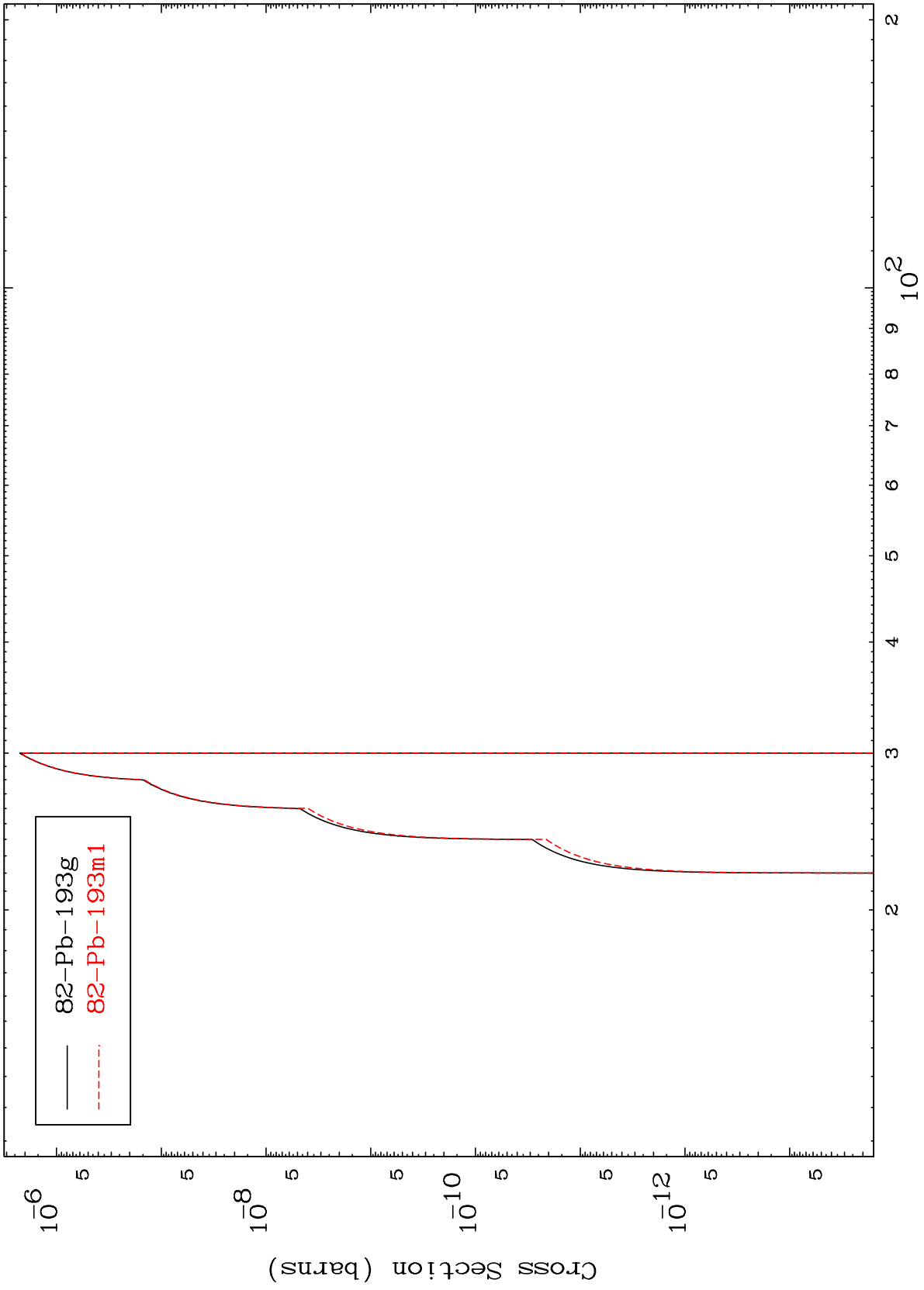
Incident Energy (MeV)

83-Bi-195

MAT 8284

83-Bi-195

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



18

Incident Energy (MeV)

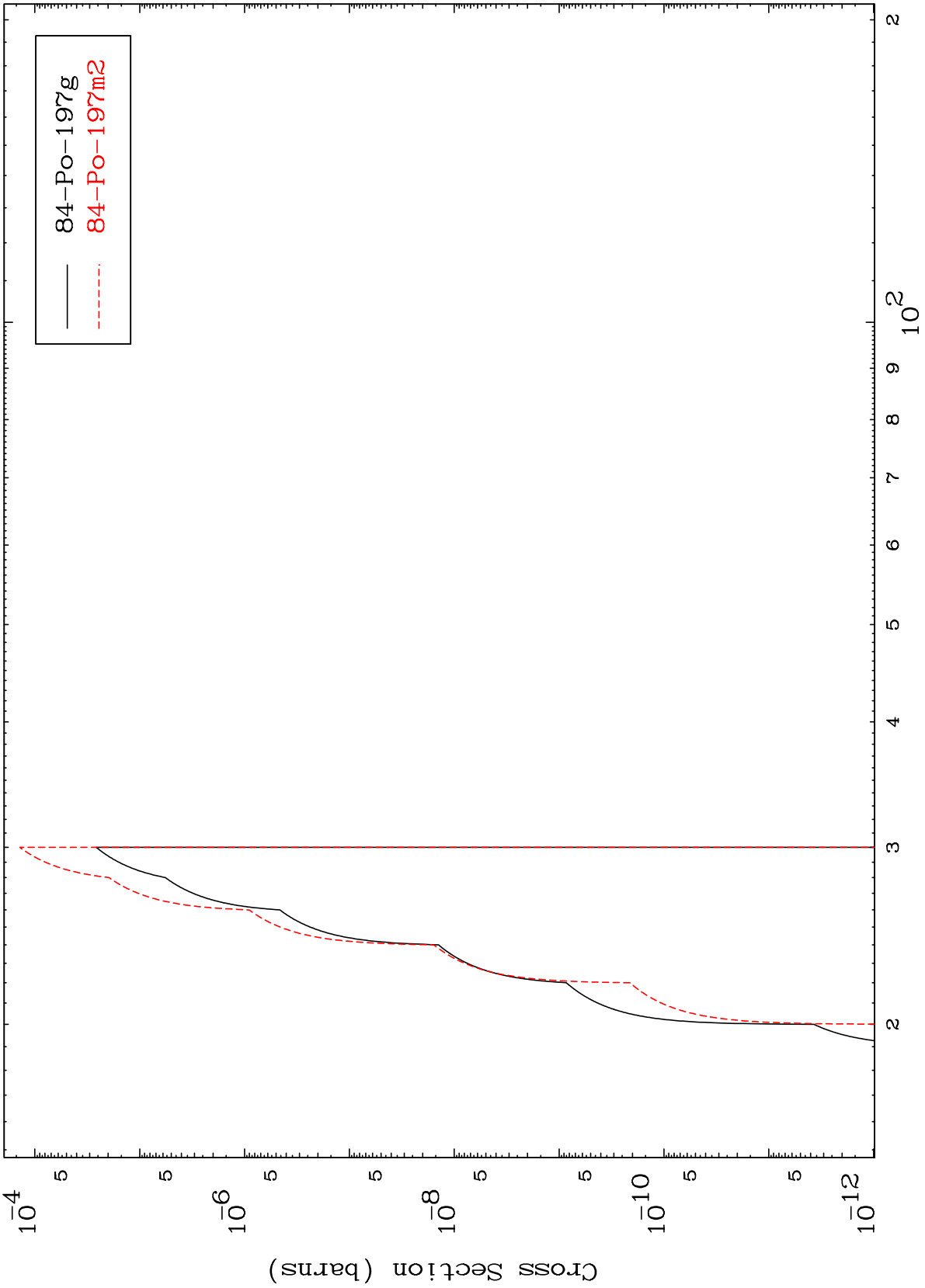
83-Bi-195

MAT 8284

( $\alpha, d$ )

83-Bi-195

Radionuclide Production Cross Section



19

Incident Energy (MeV)

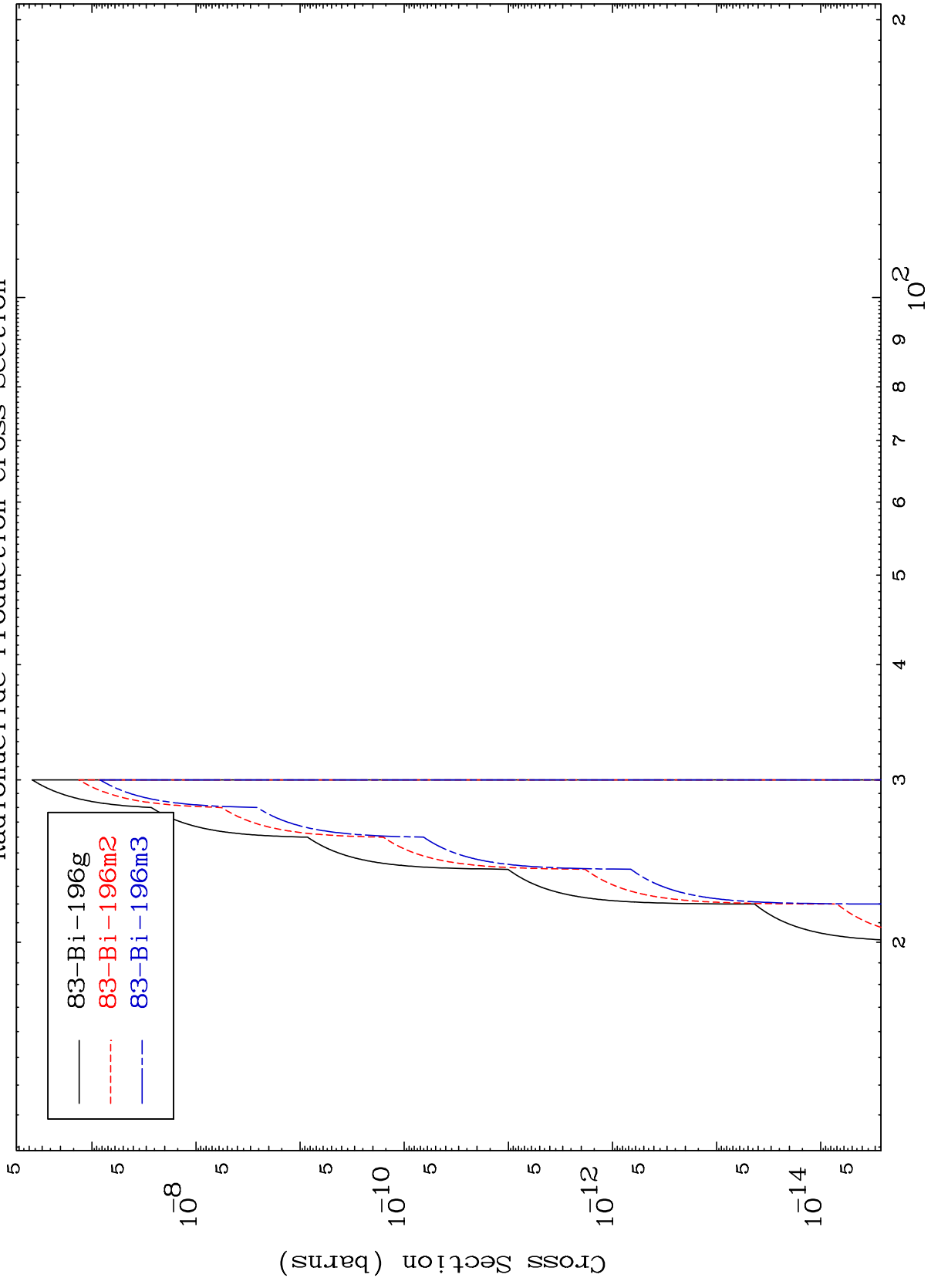
83-Bi-195

MAT 8284

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

83-Bi-195

Radionuclide Production Cross Section



20

Incident Energy (MeV)

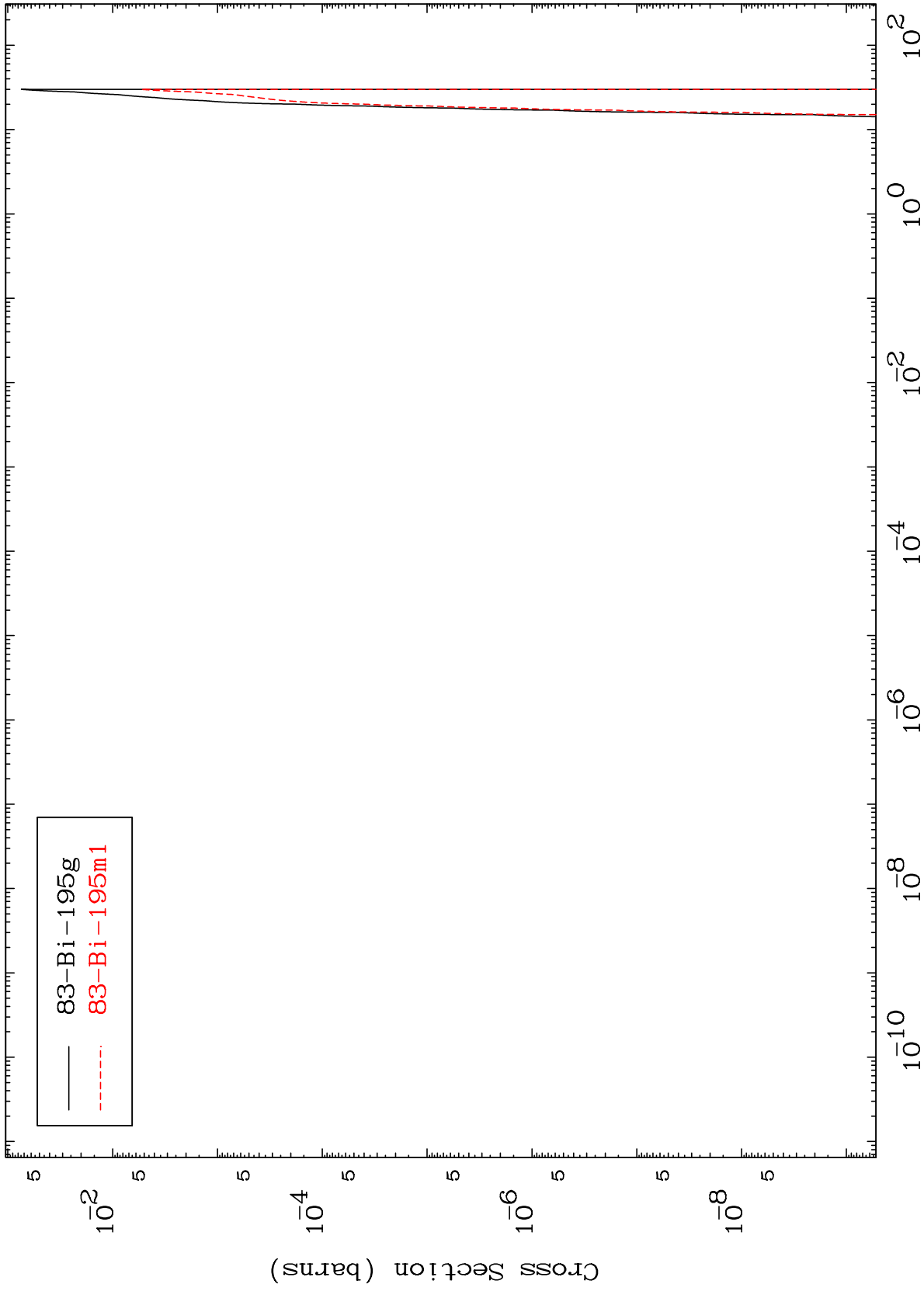
83-Bi-195

MAT 8284

( $\alpha, \alpha$ )

83-Bi-195

Radionuclide Production Cross Section



21

Incident Energy (MeV)

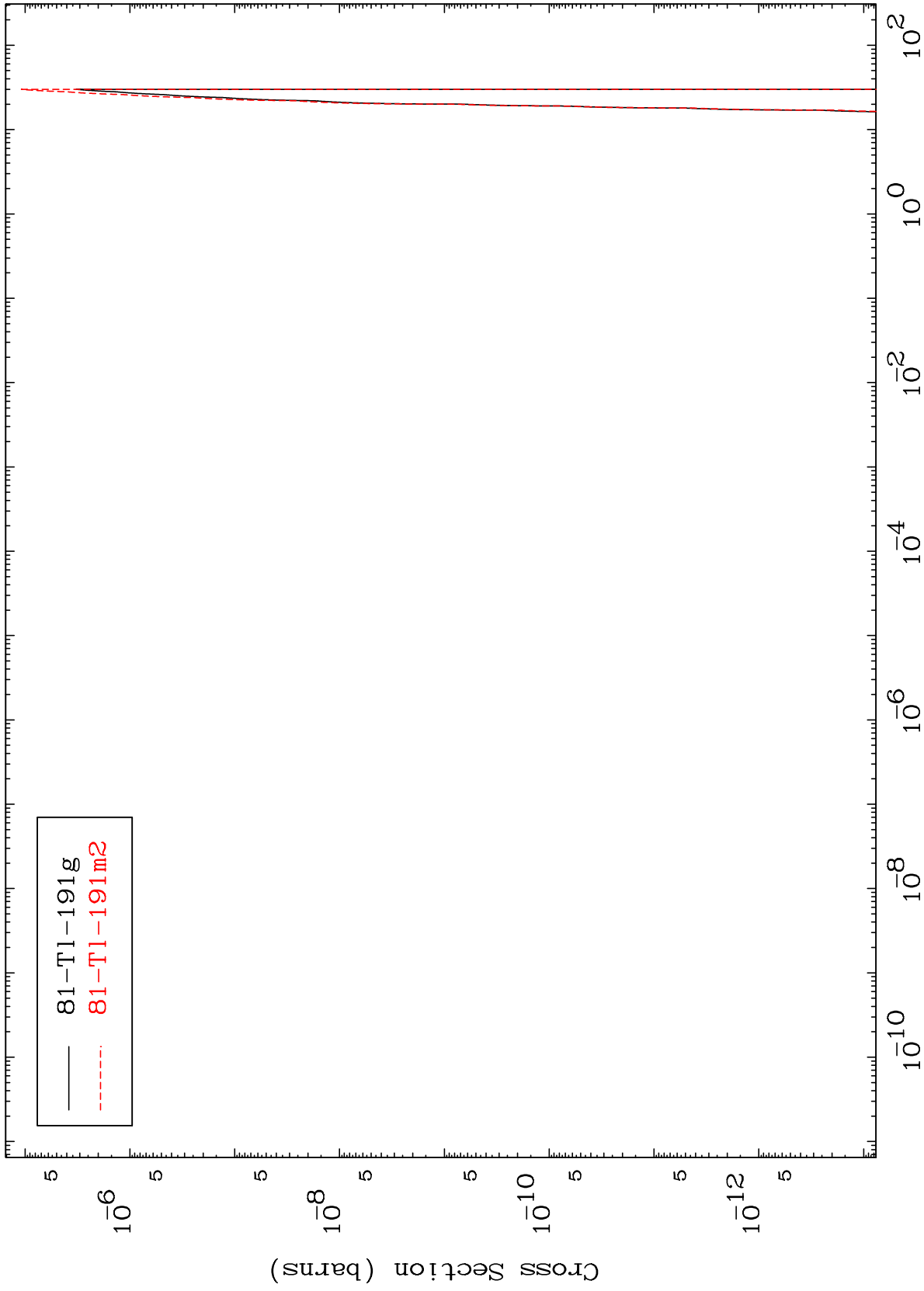
83-Bi-195

MAT 8284

( $\alpha, 2\alpha$ )

83-Bi-195

Radionuclide Production Cross Section



22

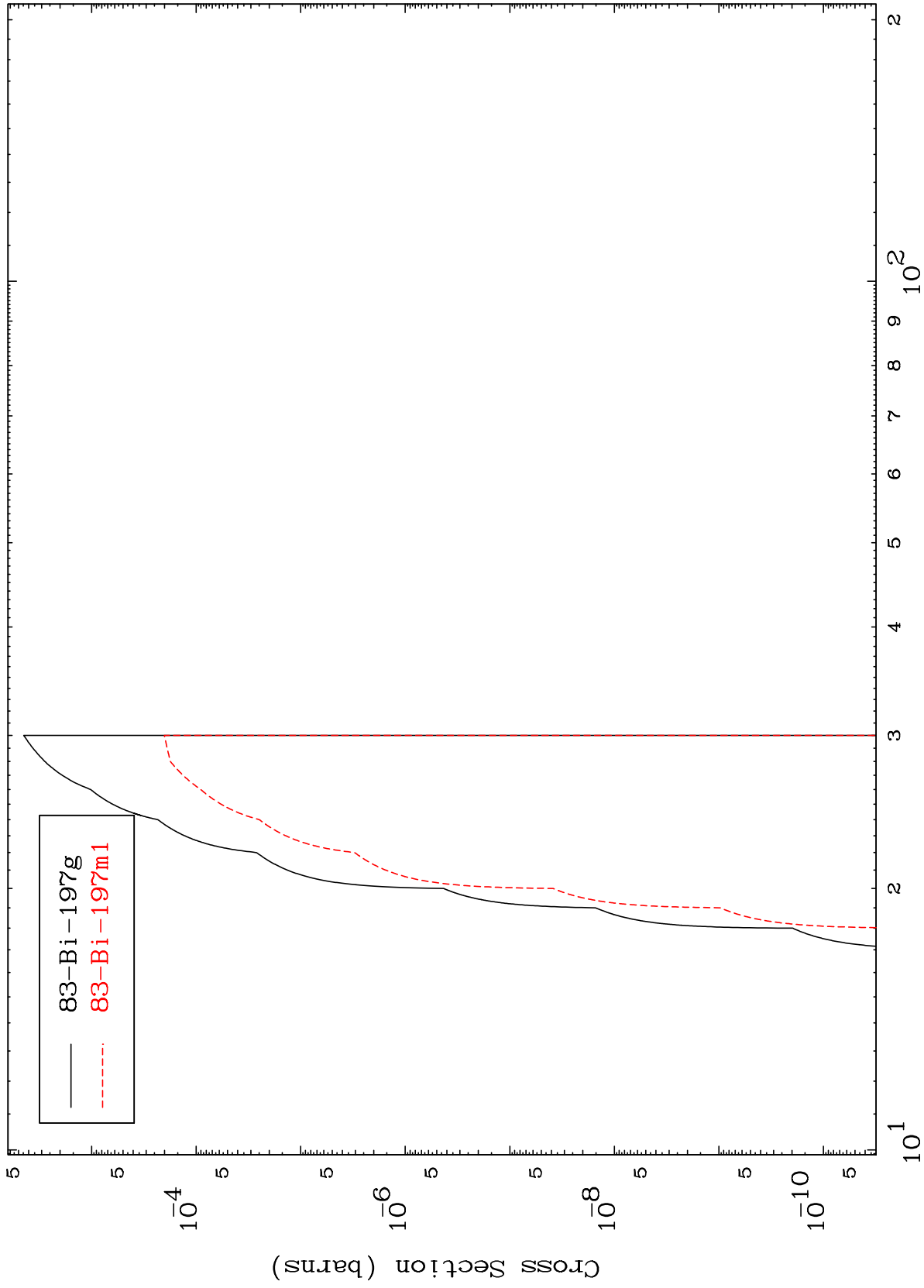
Incident Energy (MeV)

83-Bi-195

MAT 8284

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

83-Bi-195



23

Incident Energy (MeV)

83-Bi-195

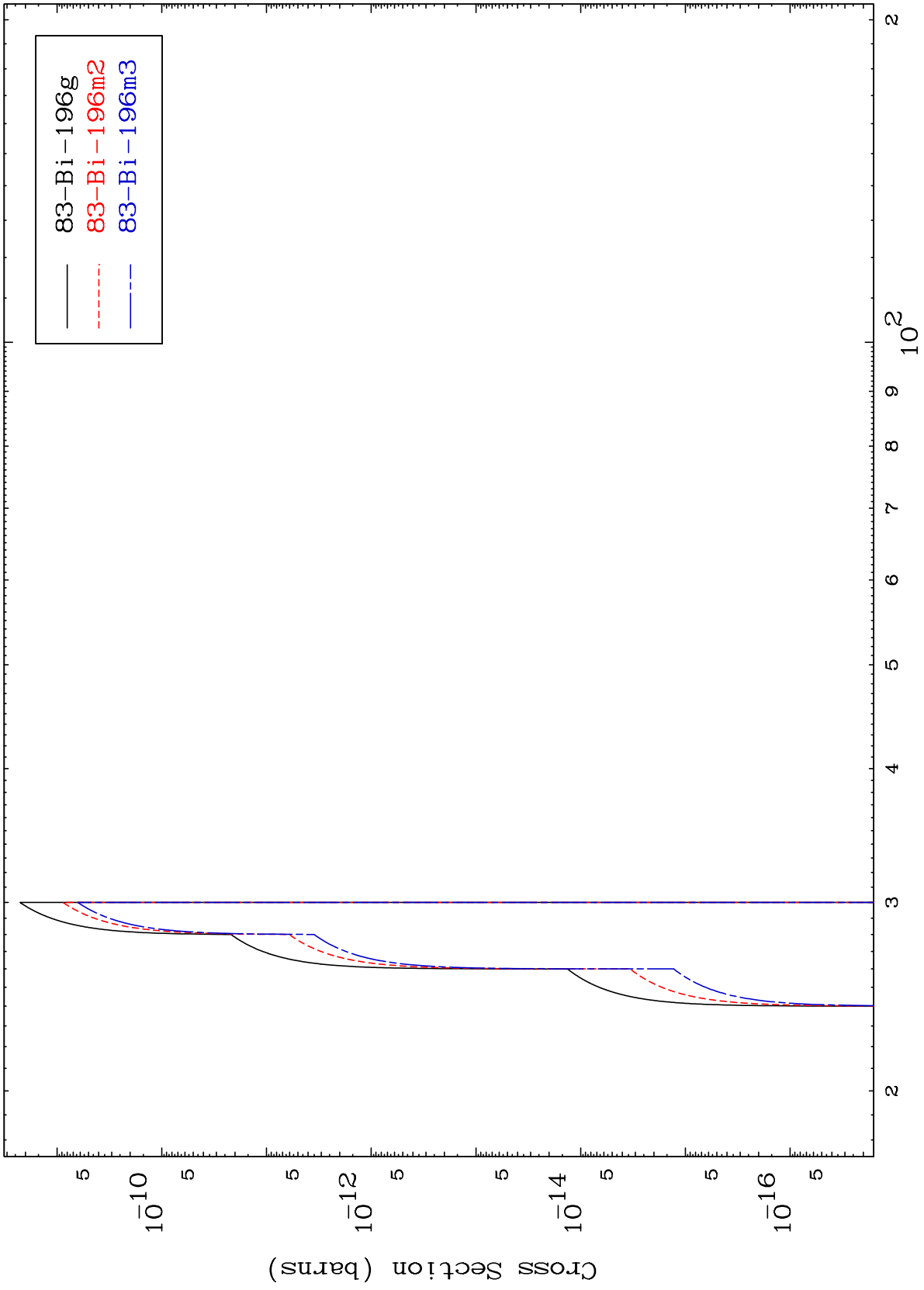


MAT 8284

( $\alpha, p$ ) d

83-Bi-195

Radionuclide Production Cross Section



24

Incident Energy (MeV)

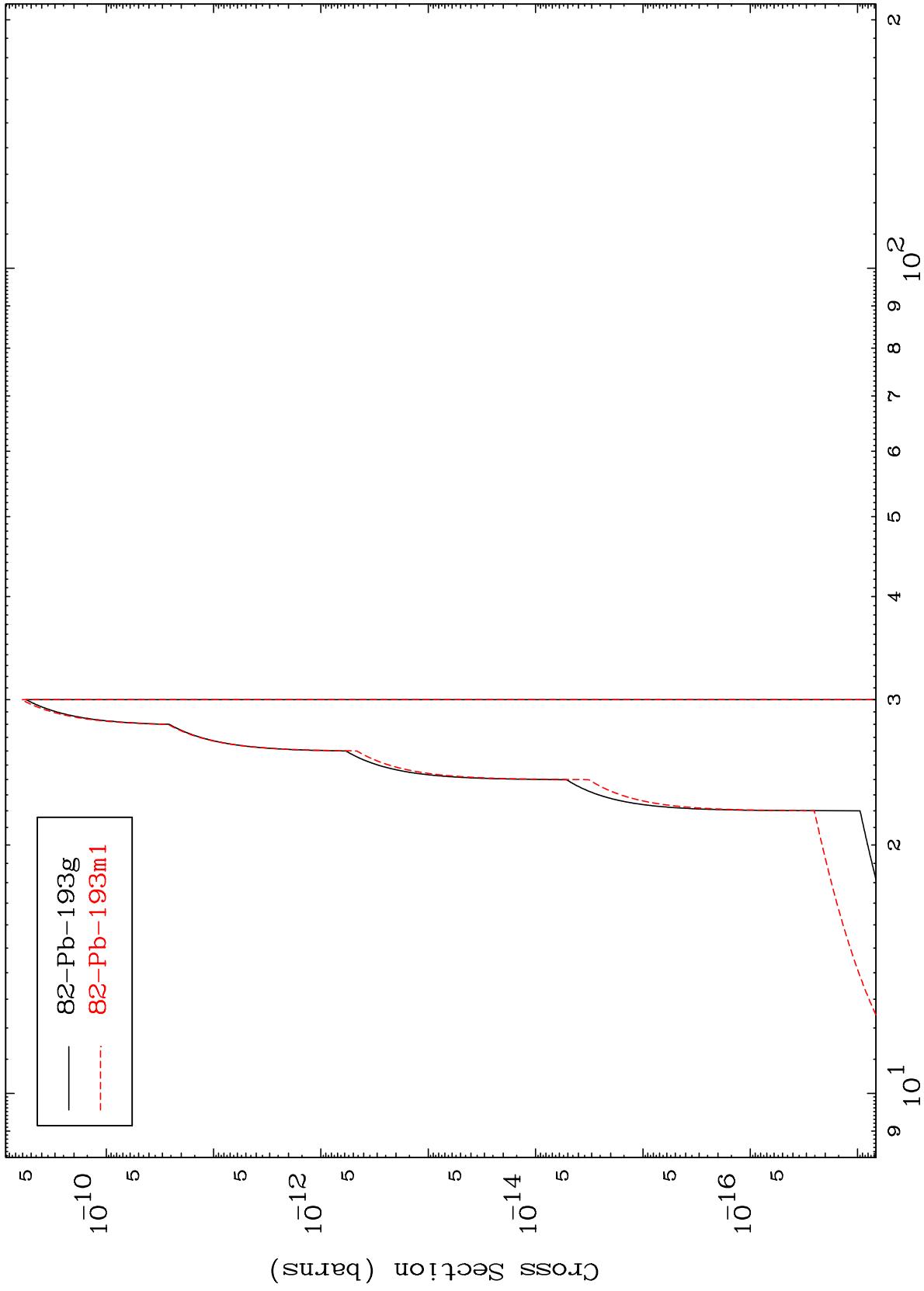
83-Bi-195

MAT 8284

( $\alpha, d$ )  $\alpha$

83-Bi-195

Radionuclide Production Cross Section



25

Incident Energy (MeV)

83-Bi-195