

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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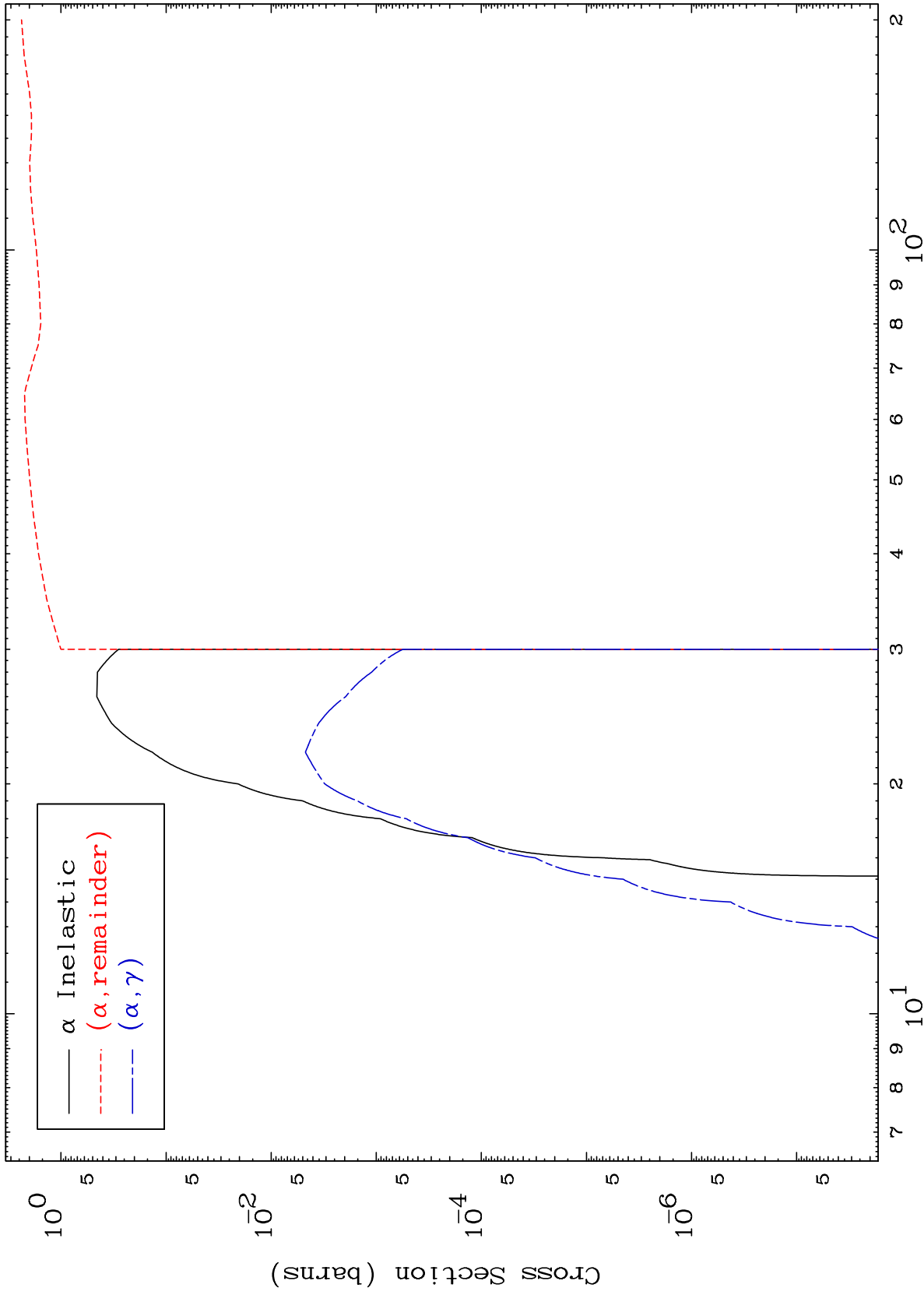
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8286

0 Kelvin Cross Sections

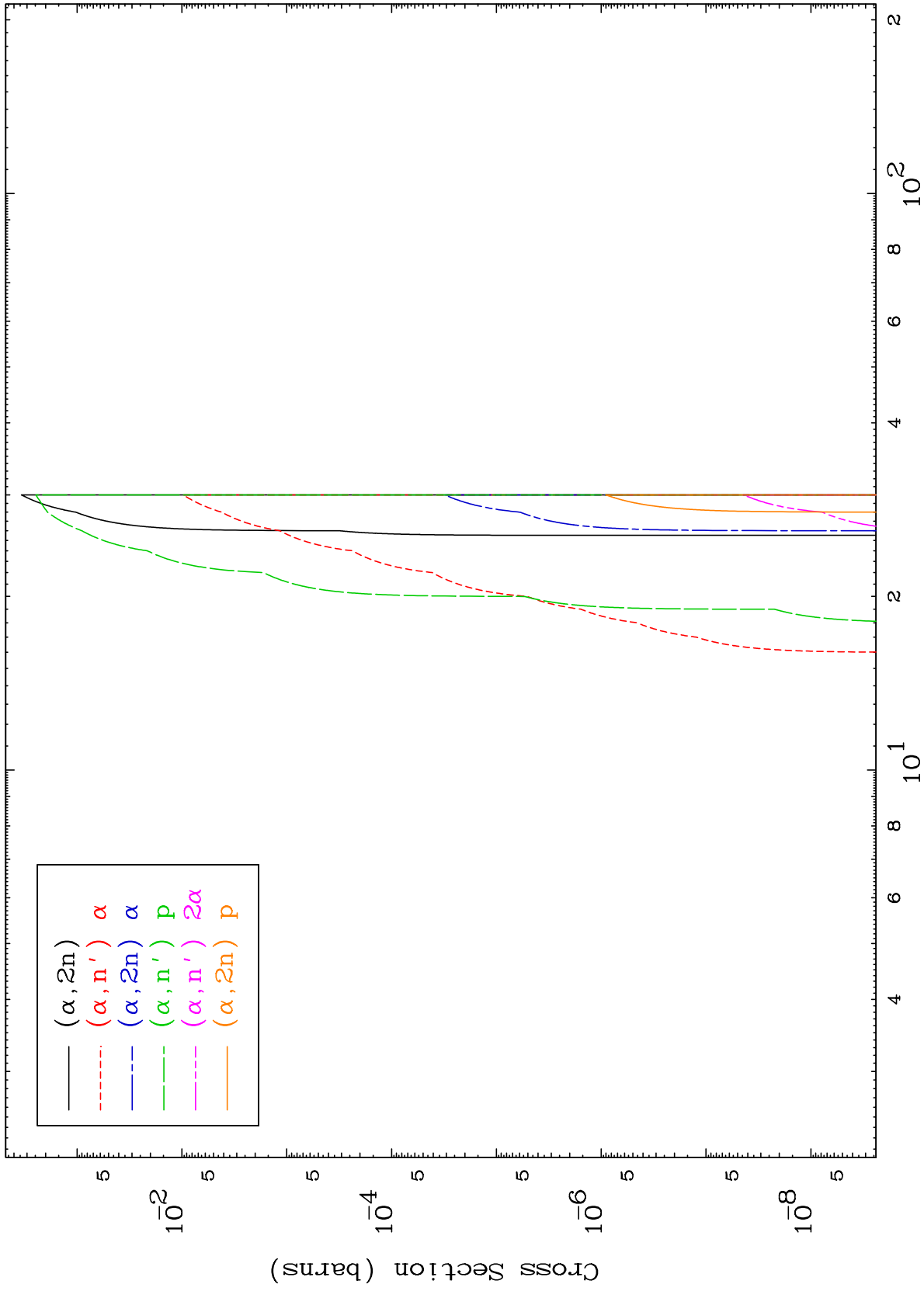
83-Bi-196

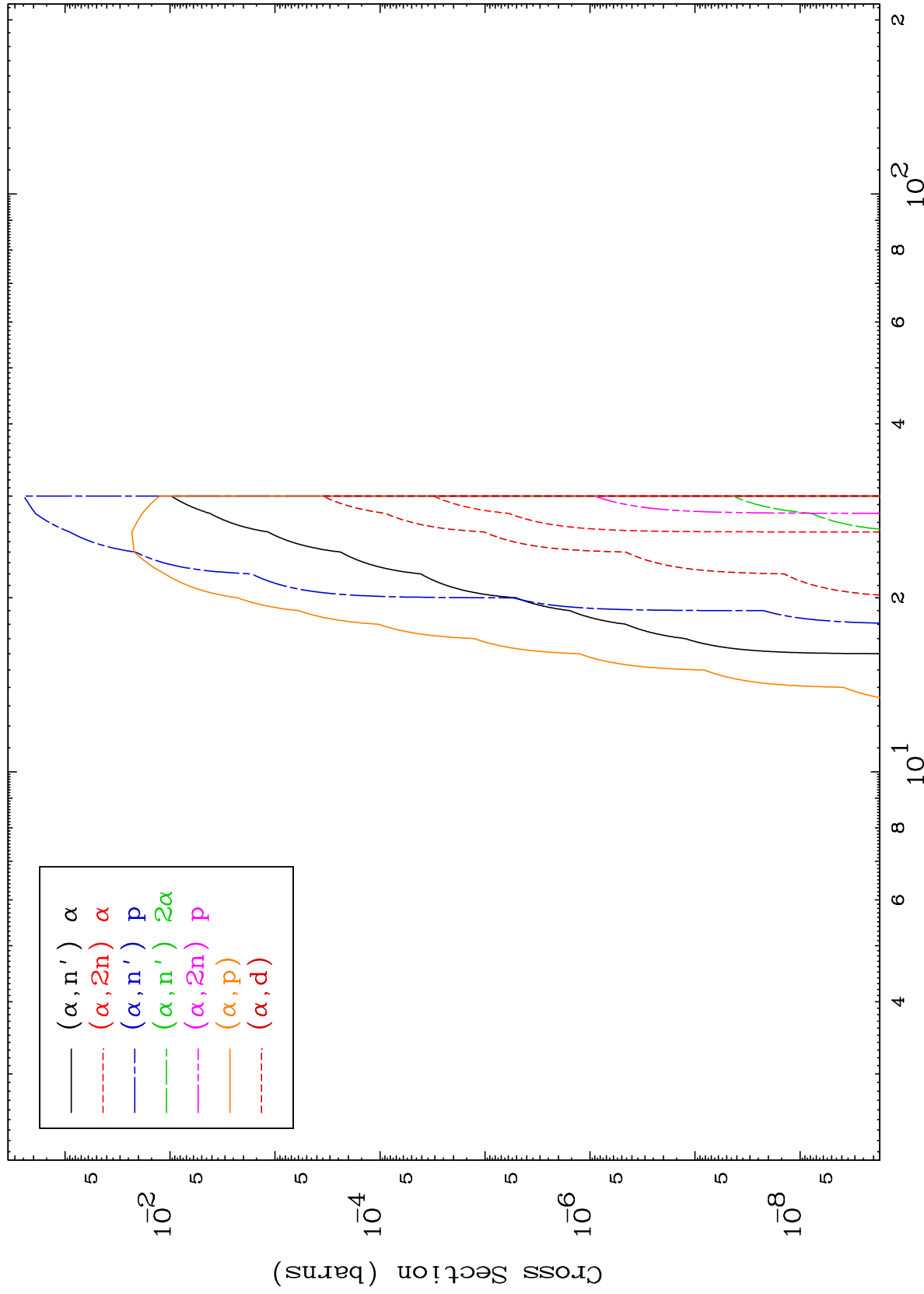


1

Incident Energy (MeV)

83-Bi-196

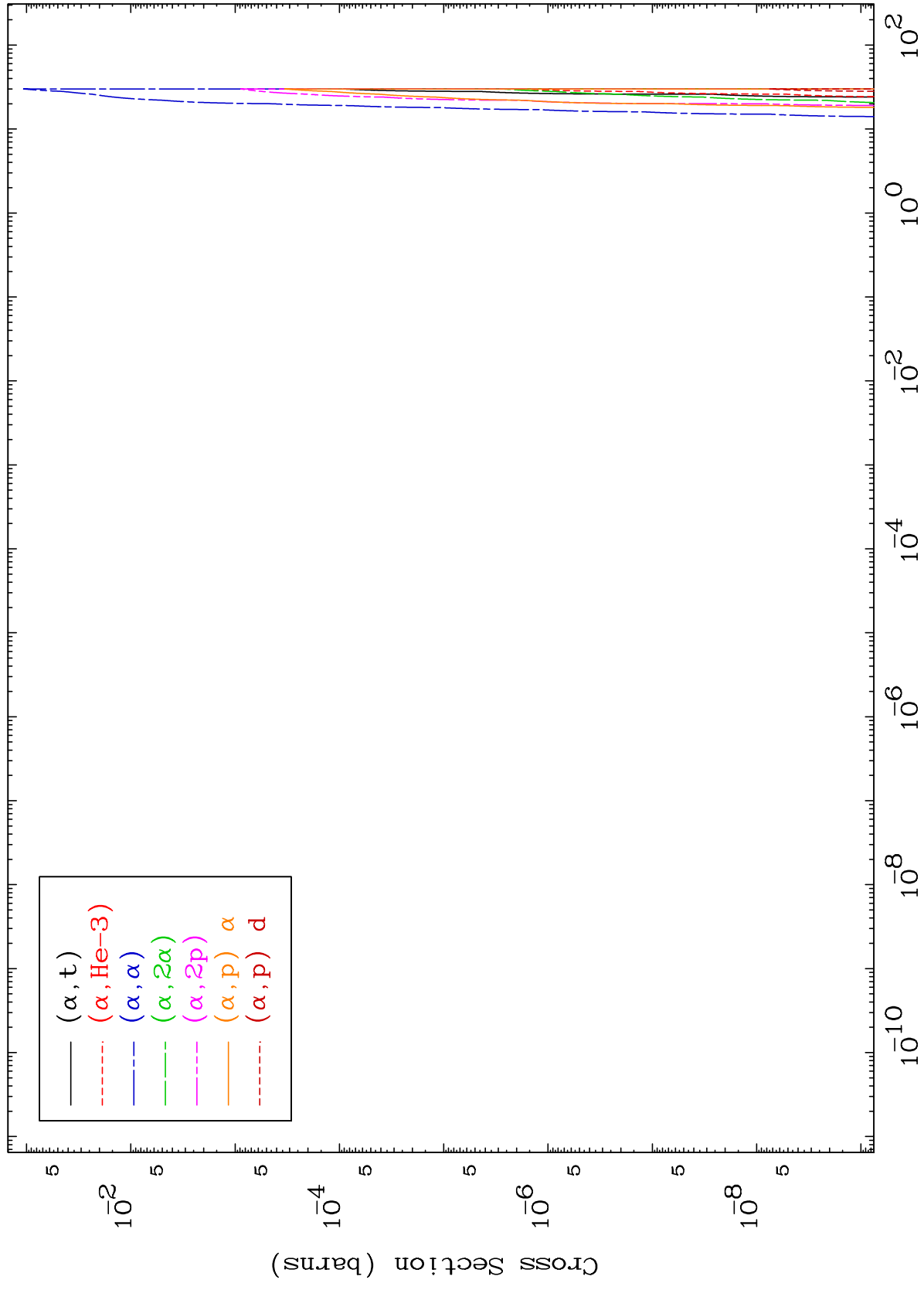




MAT 8286

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

83-Bi-196

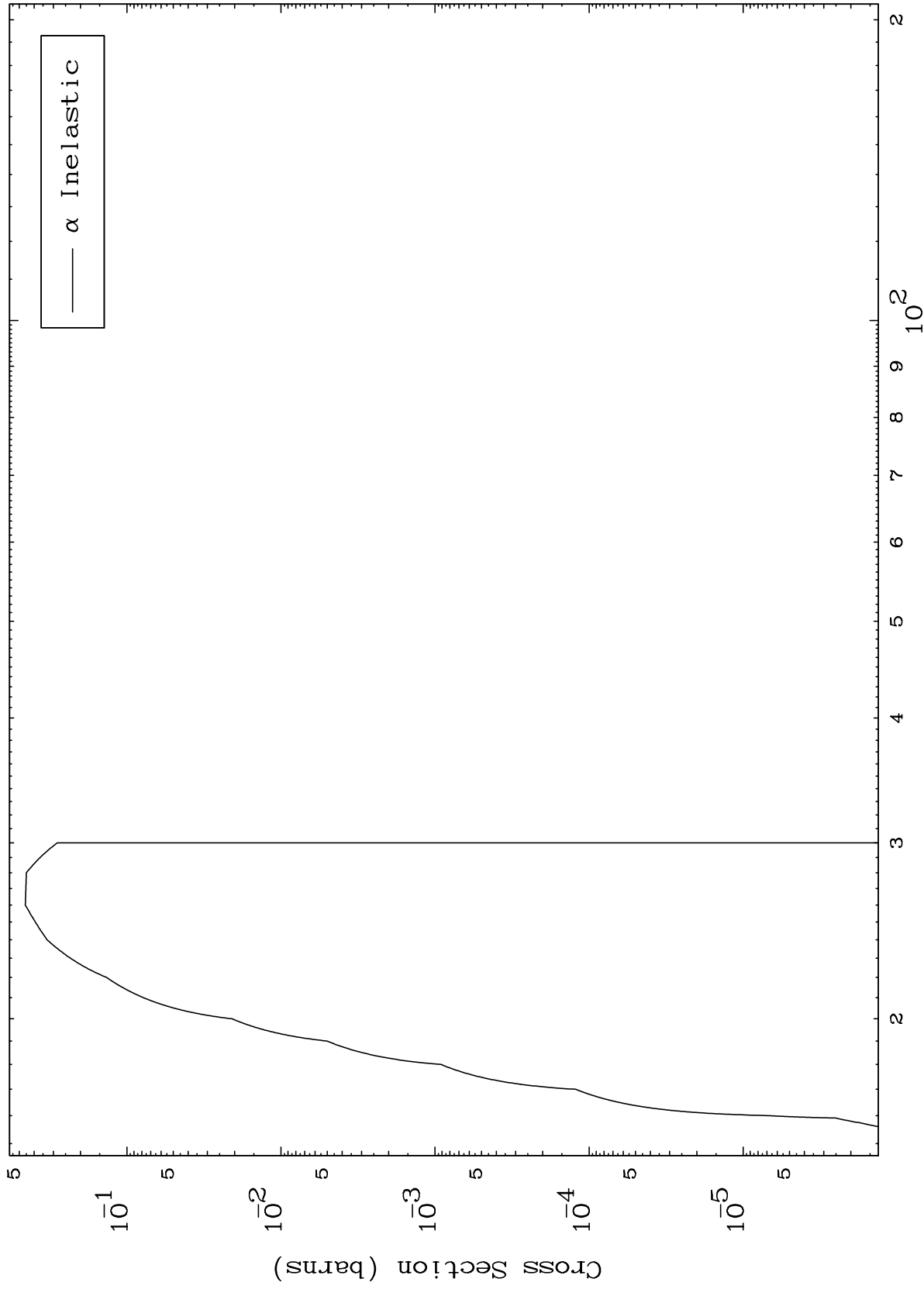


83-Bi-196

MAT 8286

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

83-Bi-196



5

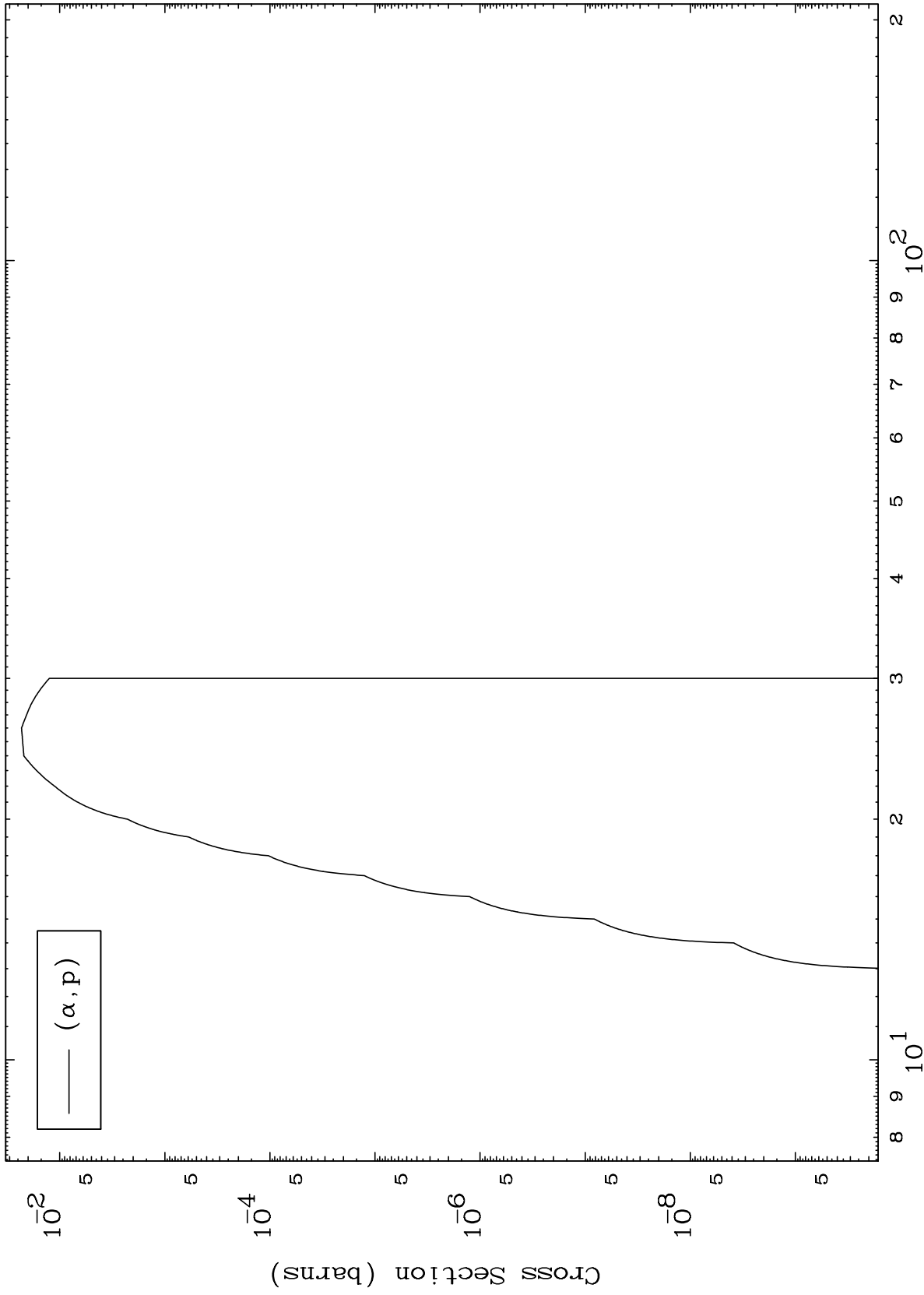
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

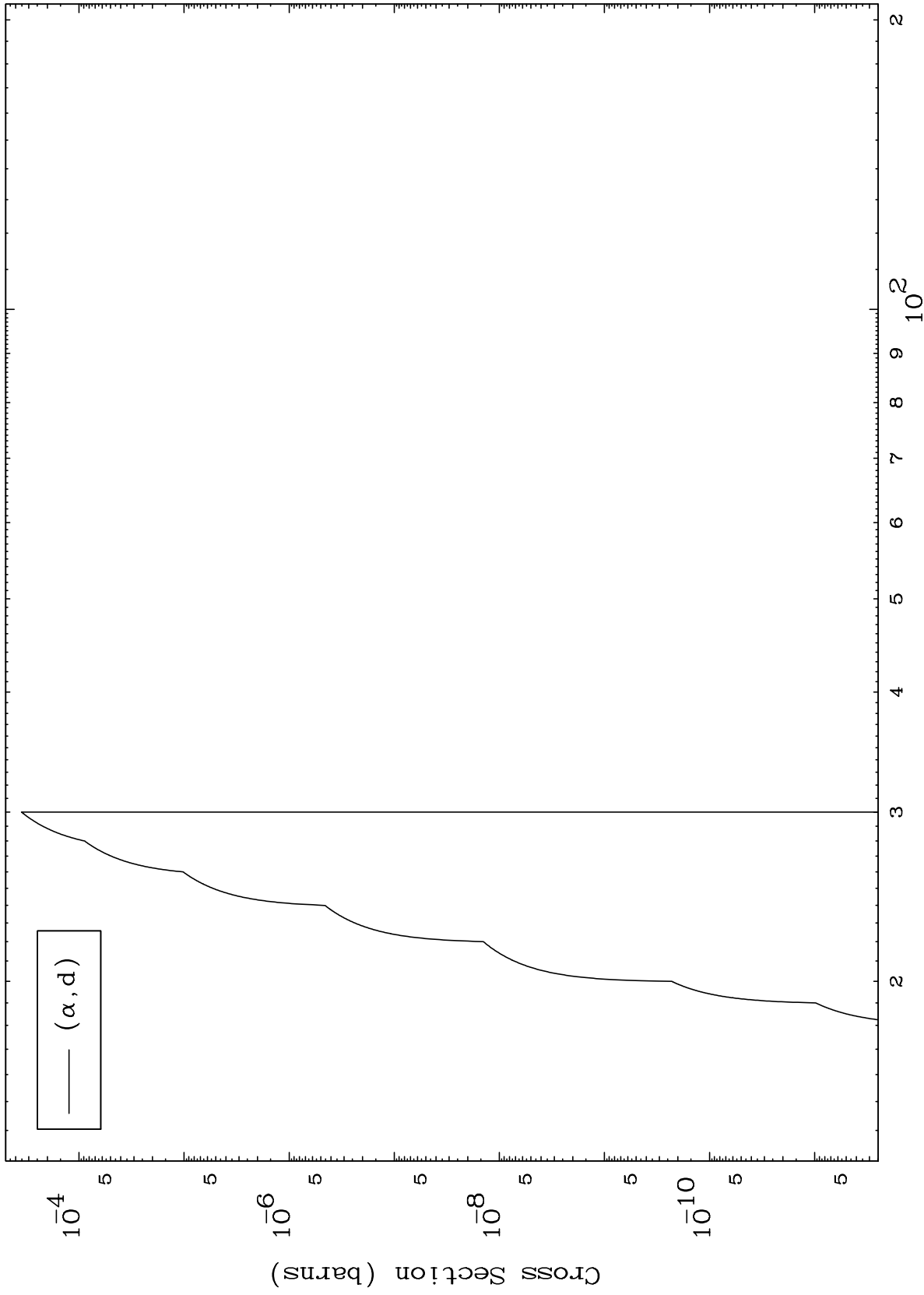
83-Bi-196



6

Incident Energy (MeV)

83-Bi-196

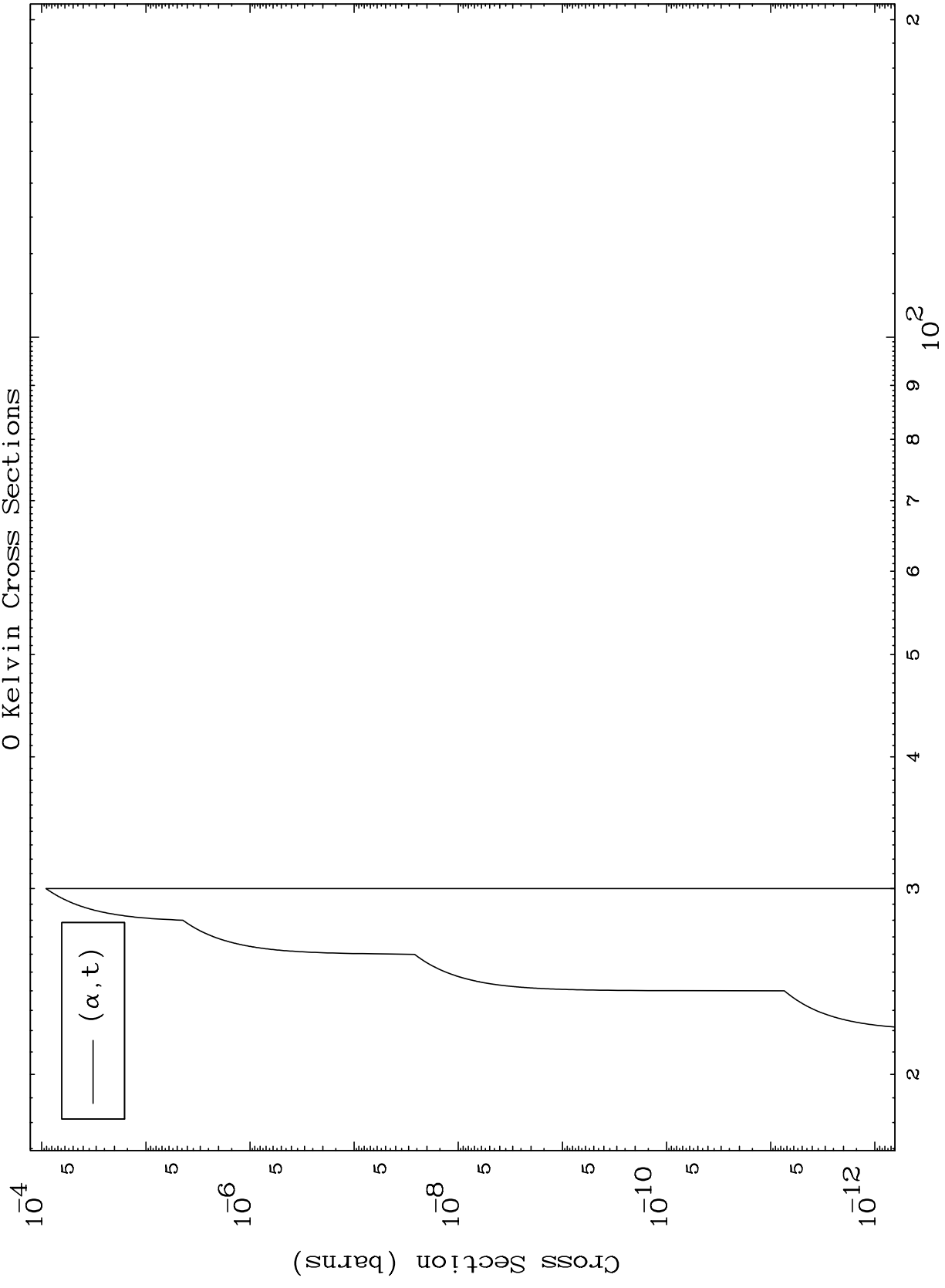




MAT 8286

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

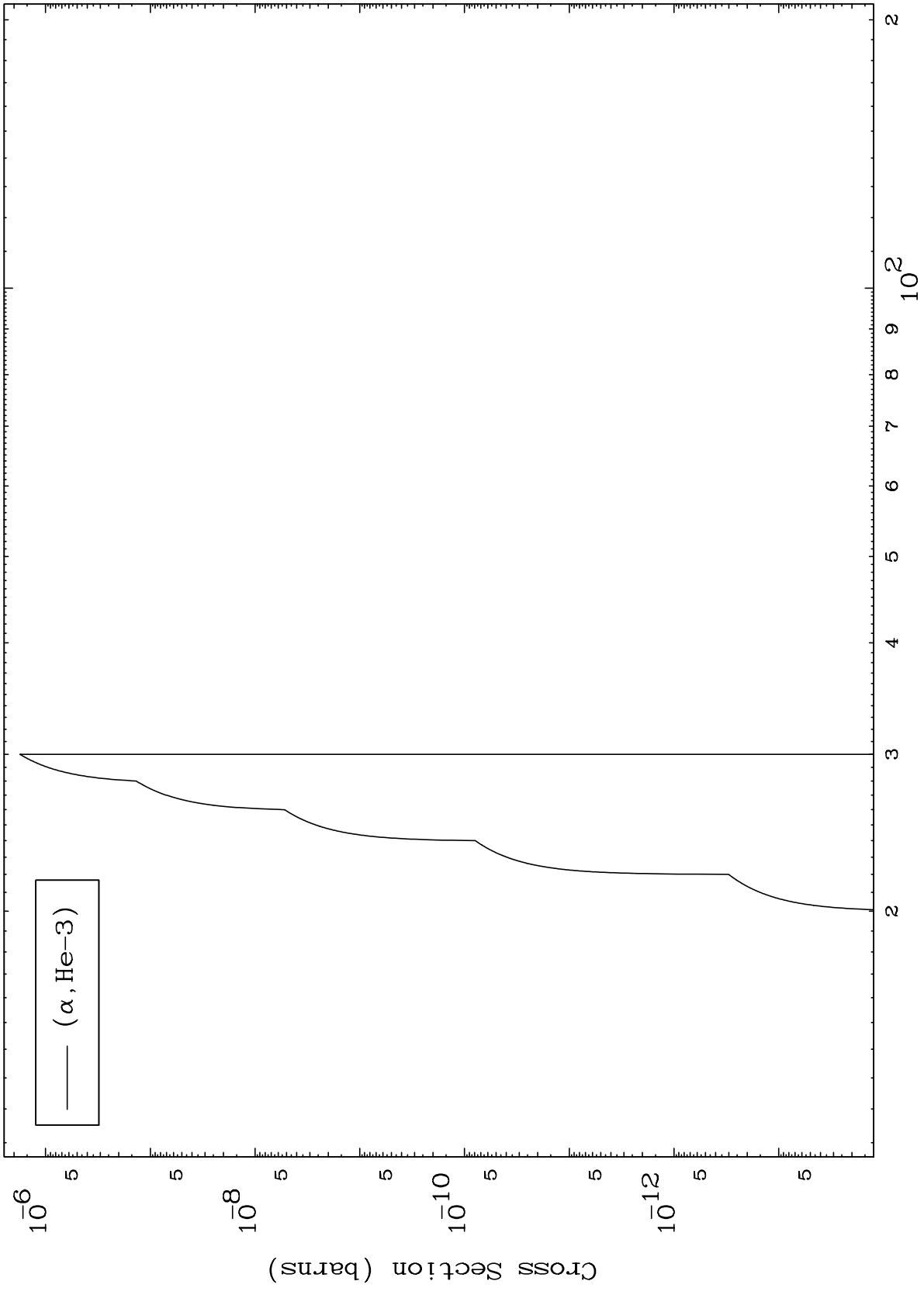
83-Bi-196



8

Incident Energy (MeV)

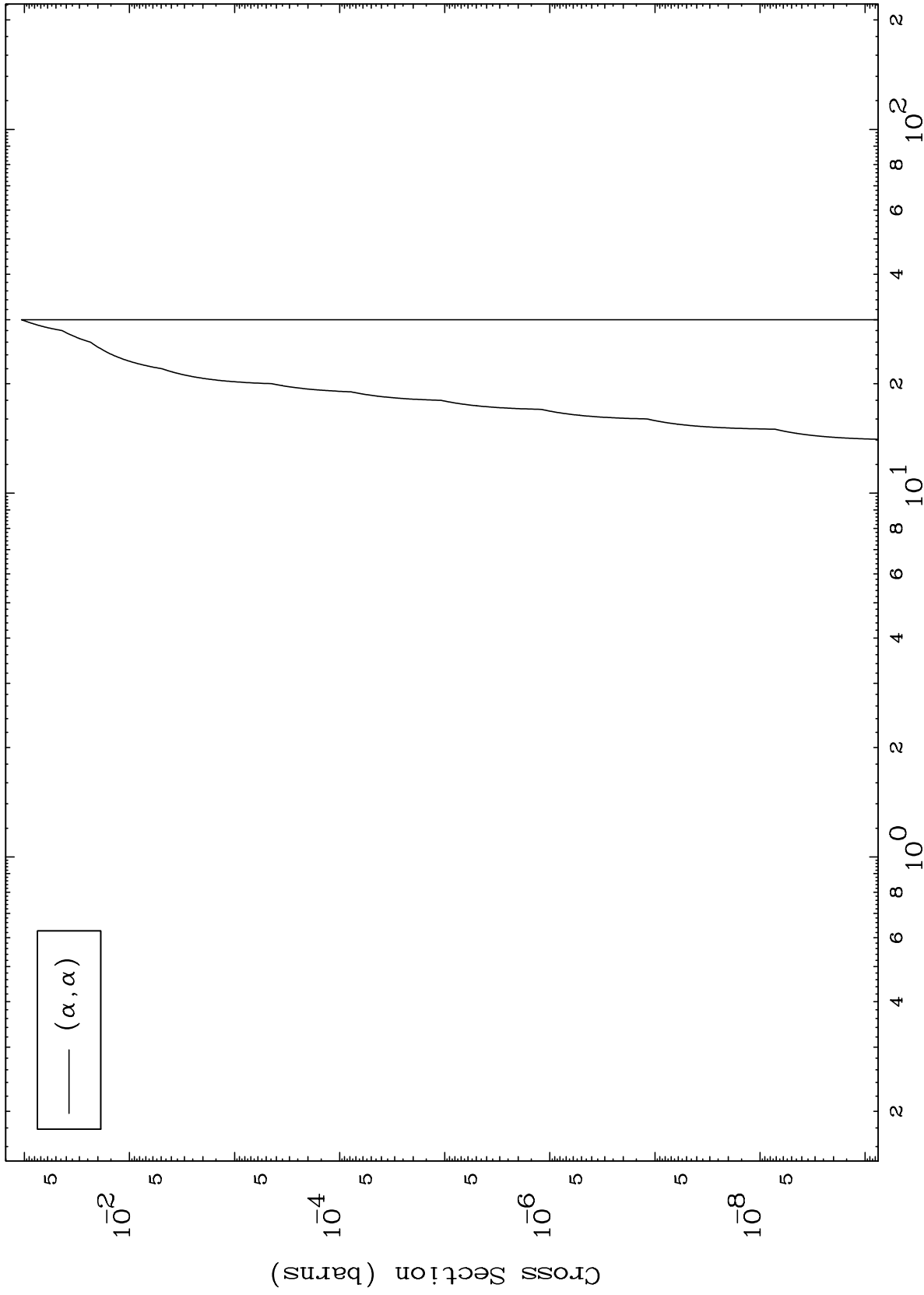
83-Bi-196



MAT 8286

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

83-Bi-196



10

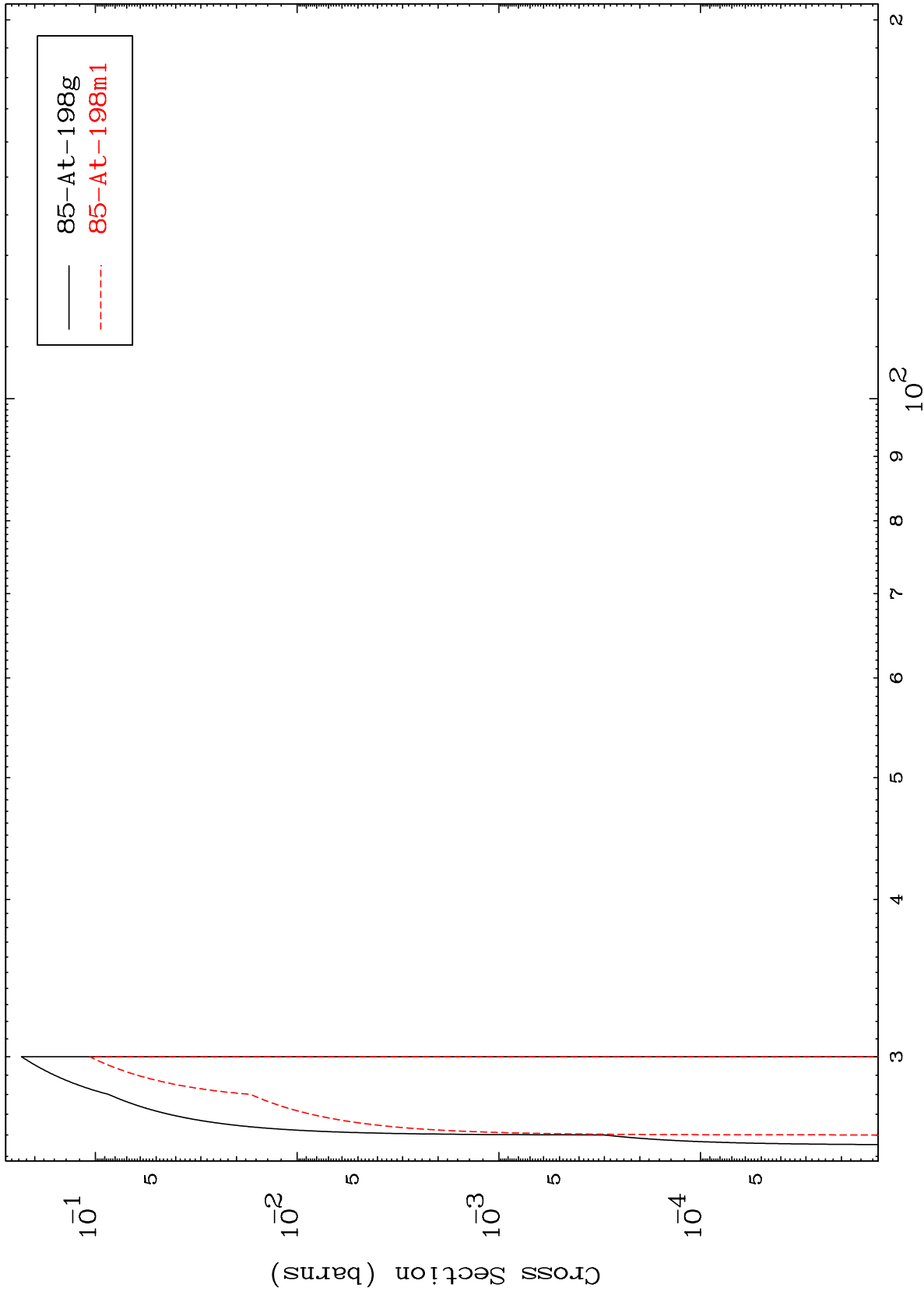
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

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



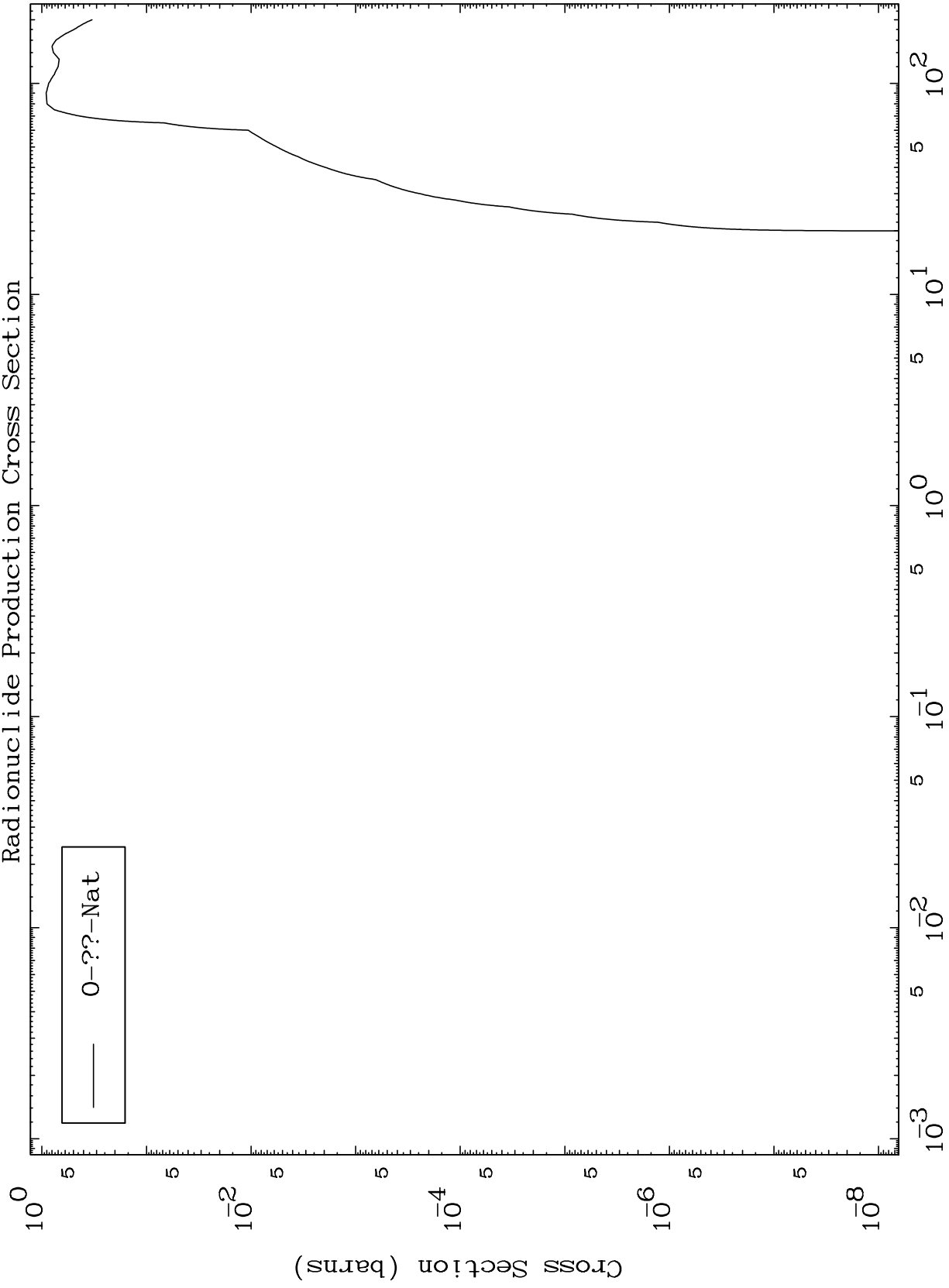
11

83-Bi-196

MAT 8286

$\alpha$  Fission  
Radionuclide Production Cross Section

83-Bi-196



12

Incident Energy (MeV)

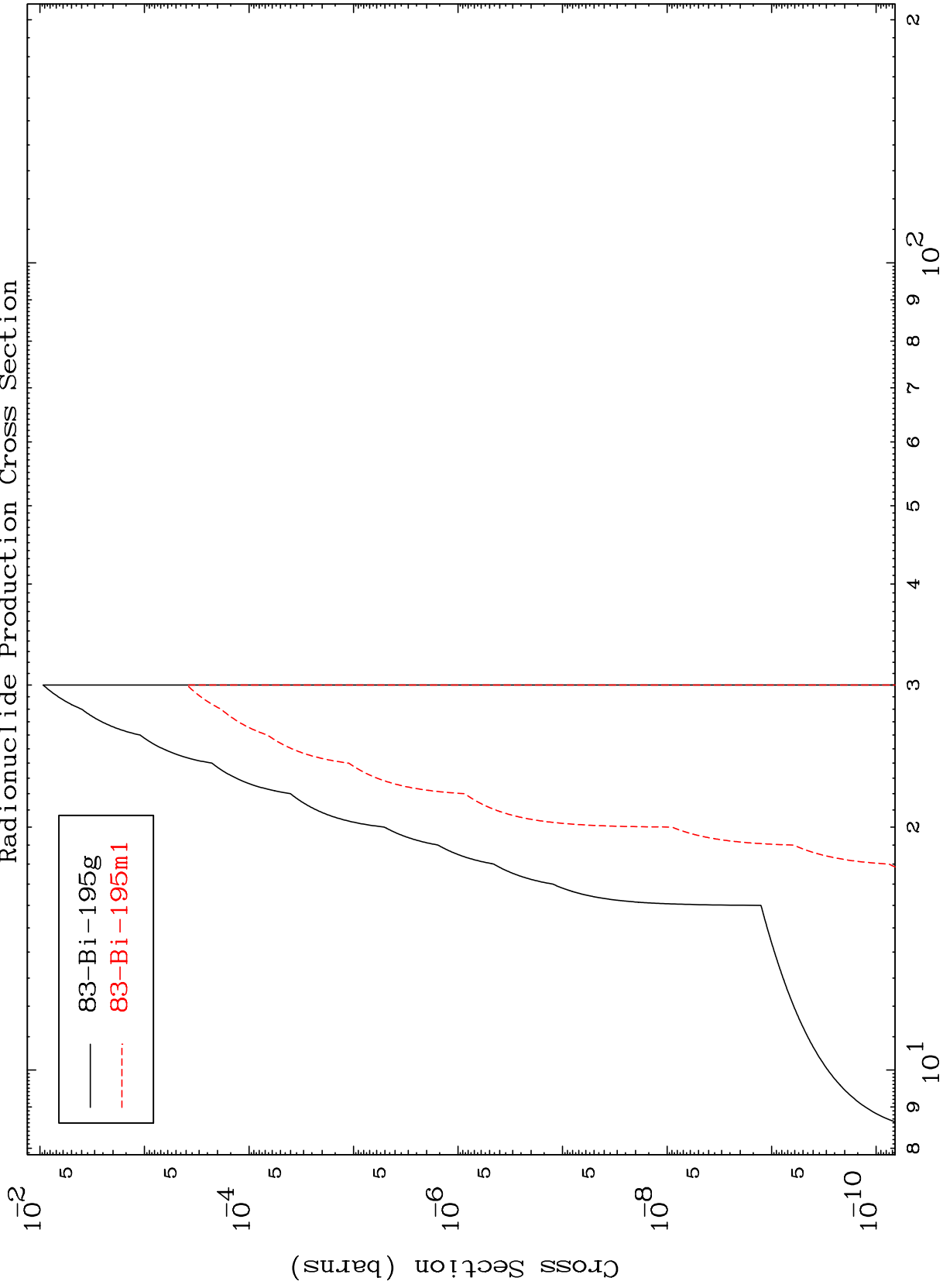
83-Bi-196

MAT 8286

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

83-Bi-196

Radionuclide Production Cross Section



13

Incident Energy (MeV)

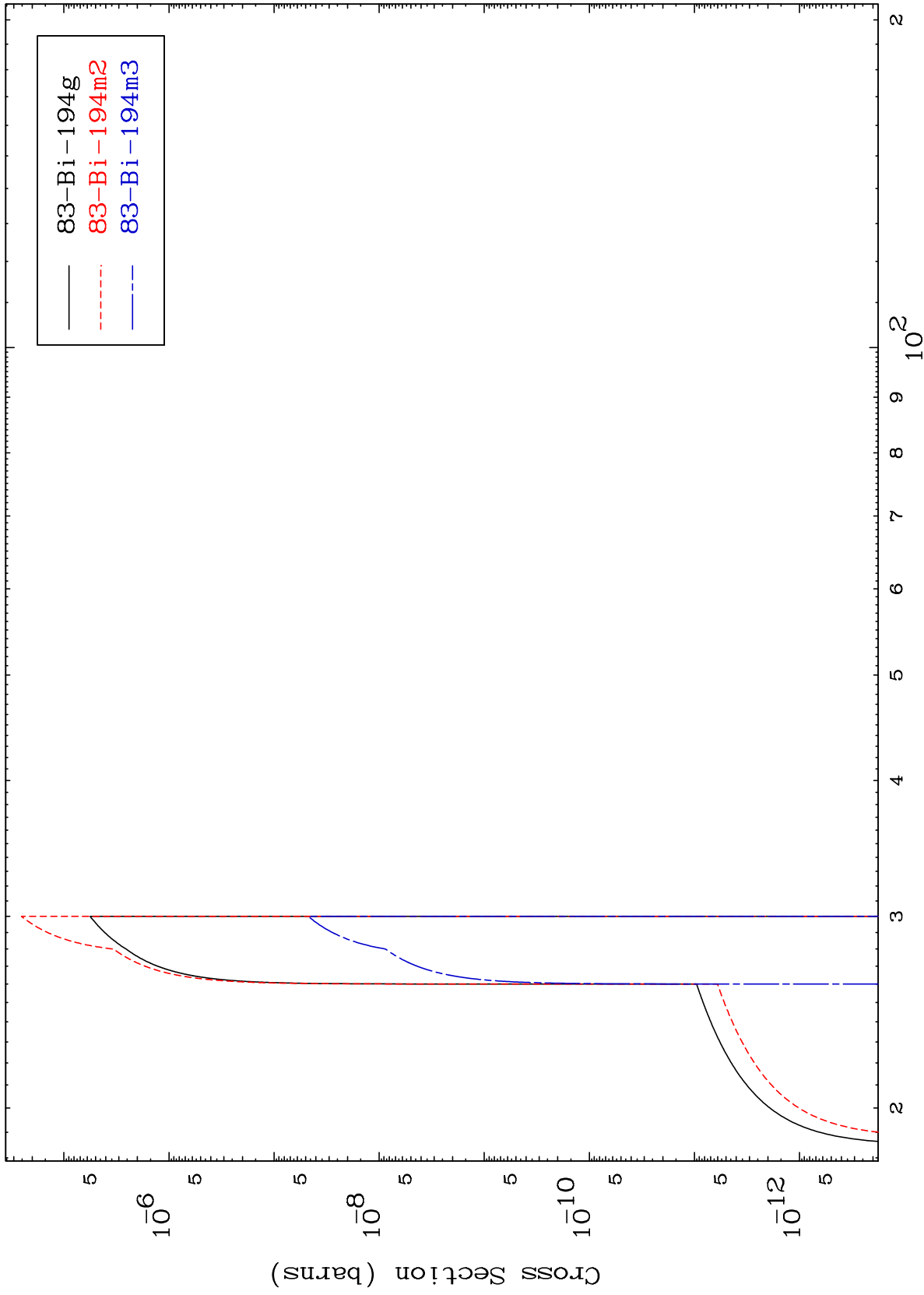
83-Bi-196

MAT 8286

$(\alpha, 2n) \alpha$

83-Bi-196

Radionuclide Production Cross Section



14

Incident Energy (MeV)

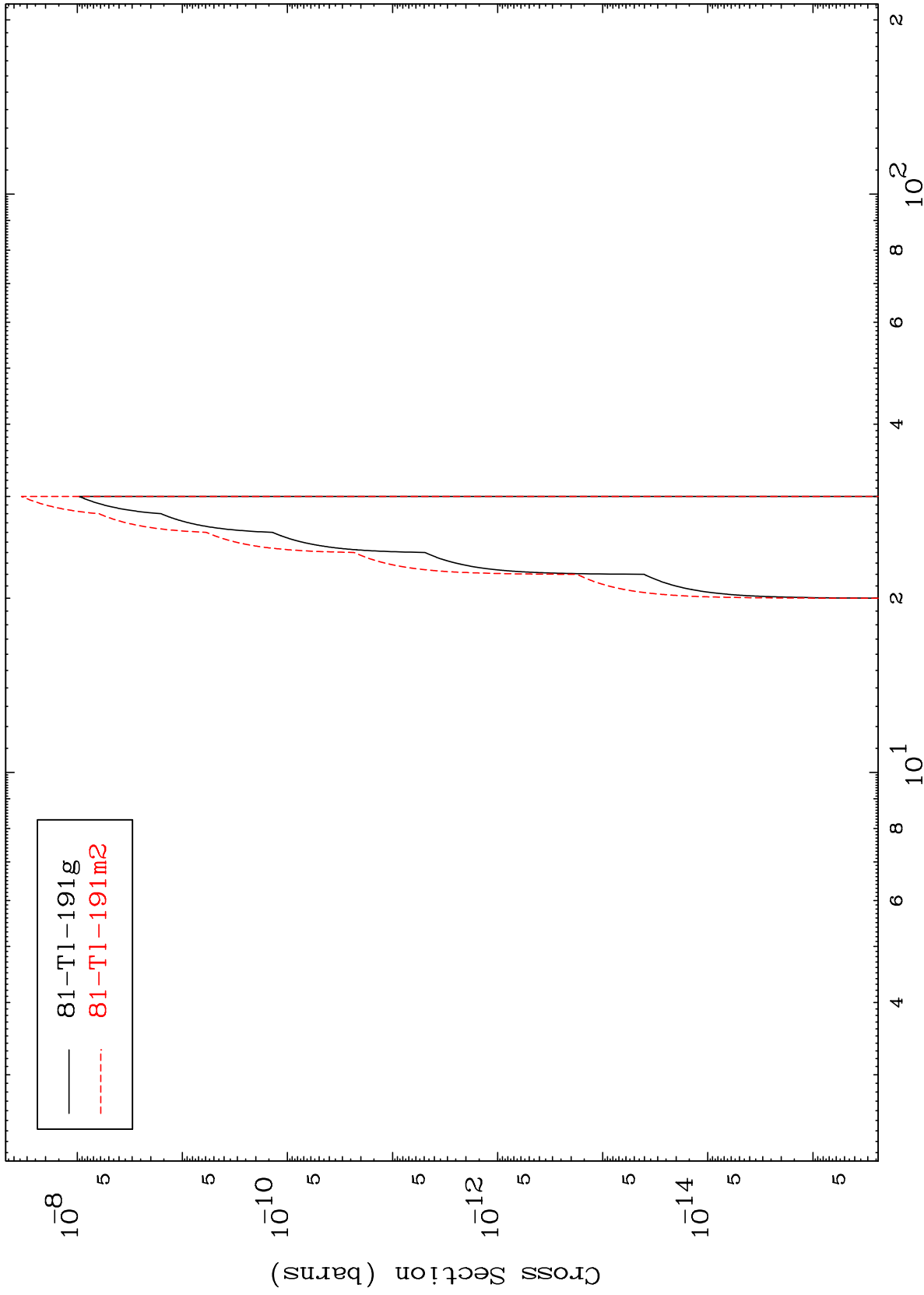
83-Bi-196

MAT 8286

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

83-Bi-196

Radionuclide Production Cross Section



81-Tl-191g  
81-Tl-191m2

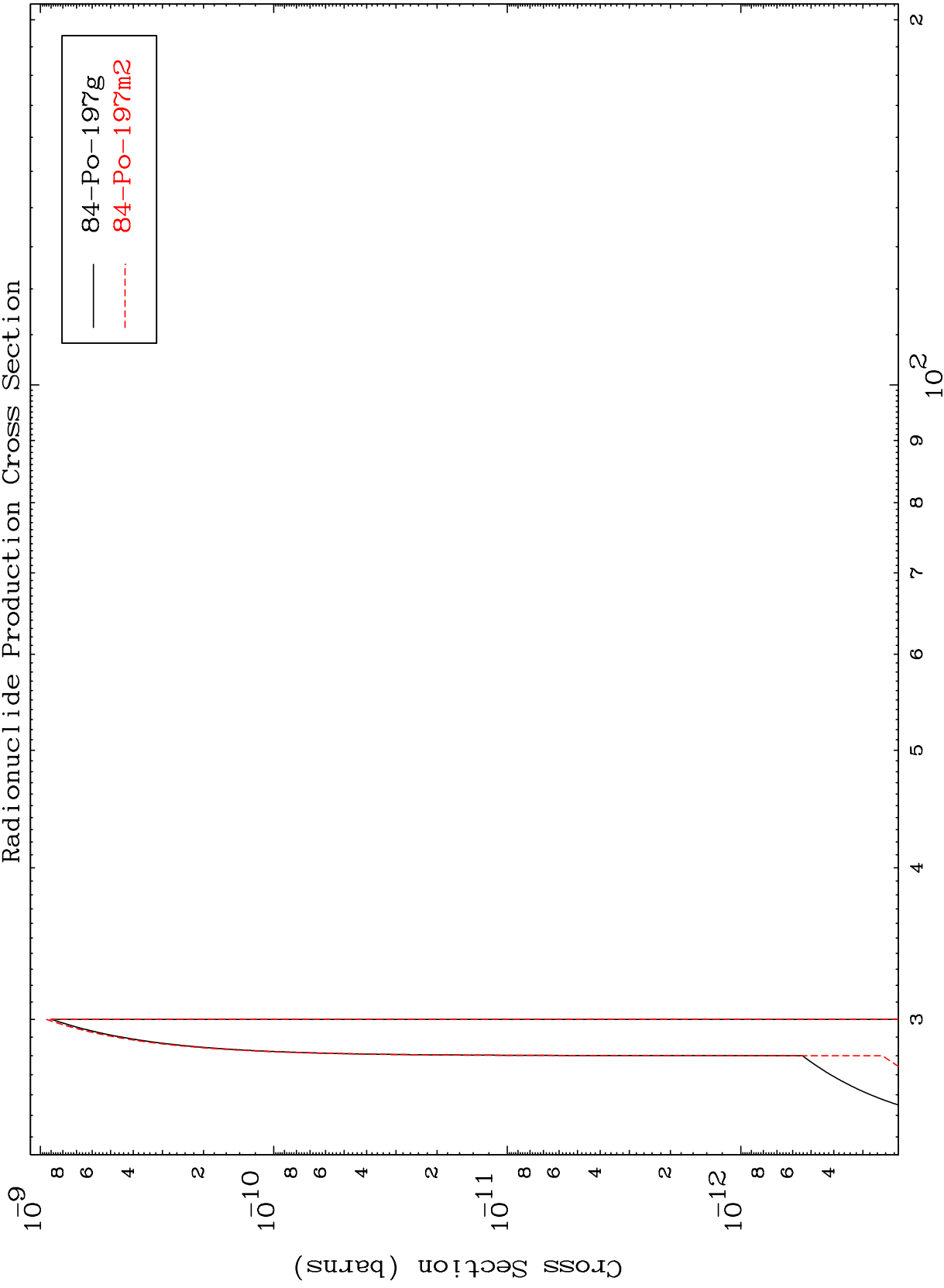


MAT 8286

( $\alpha, n'$ ) d

83-Bi-196

Radionuclide Production Cross Section



16

Incident Energy (MeV)

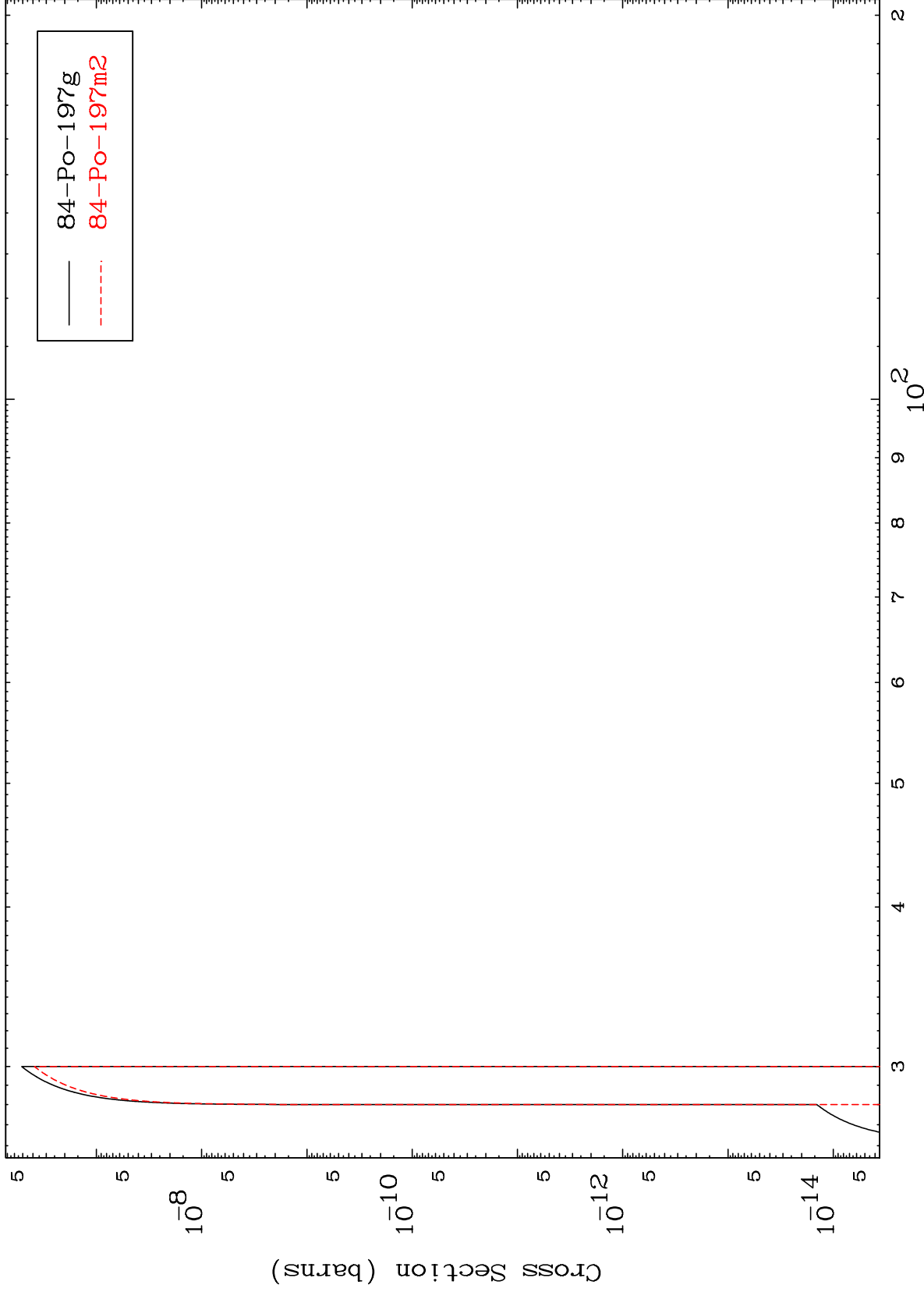
83-Bi-196

MAT 8286

( $\alpha, 2n$ ) p

83-Bi-196

Radionuclide Production Cross Section



17

Incident Energy (MeV)

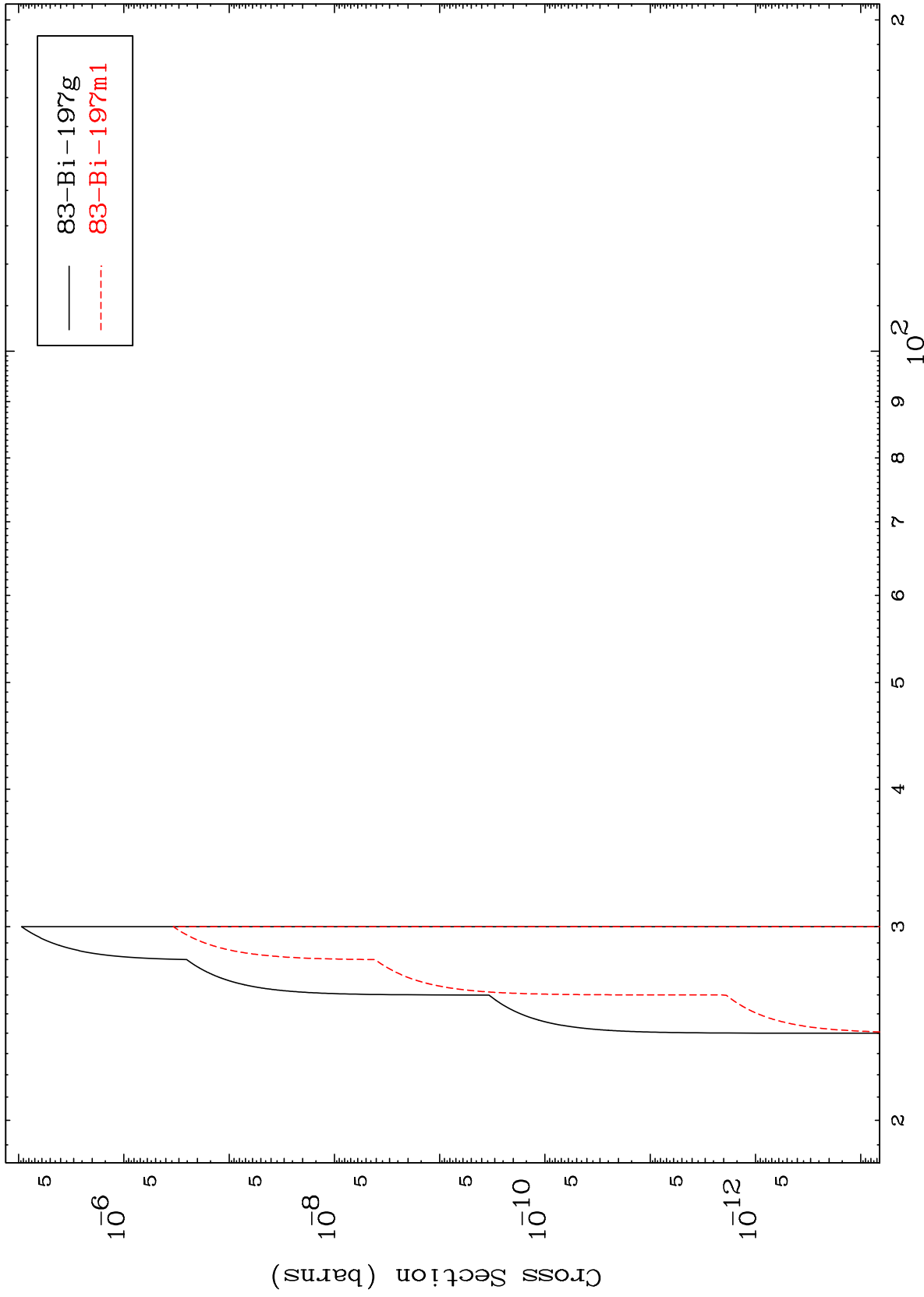
83-Bi-196

MAT 8286

$(\alpha, 2n)$  p

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

Radionuclide Production Cross Section

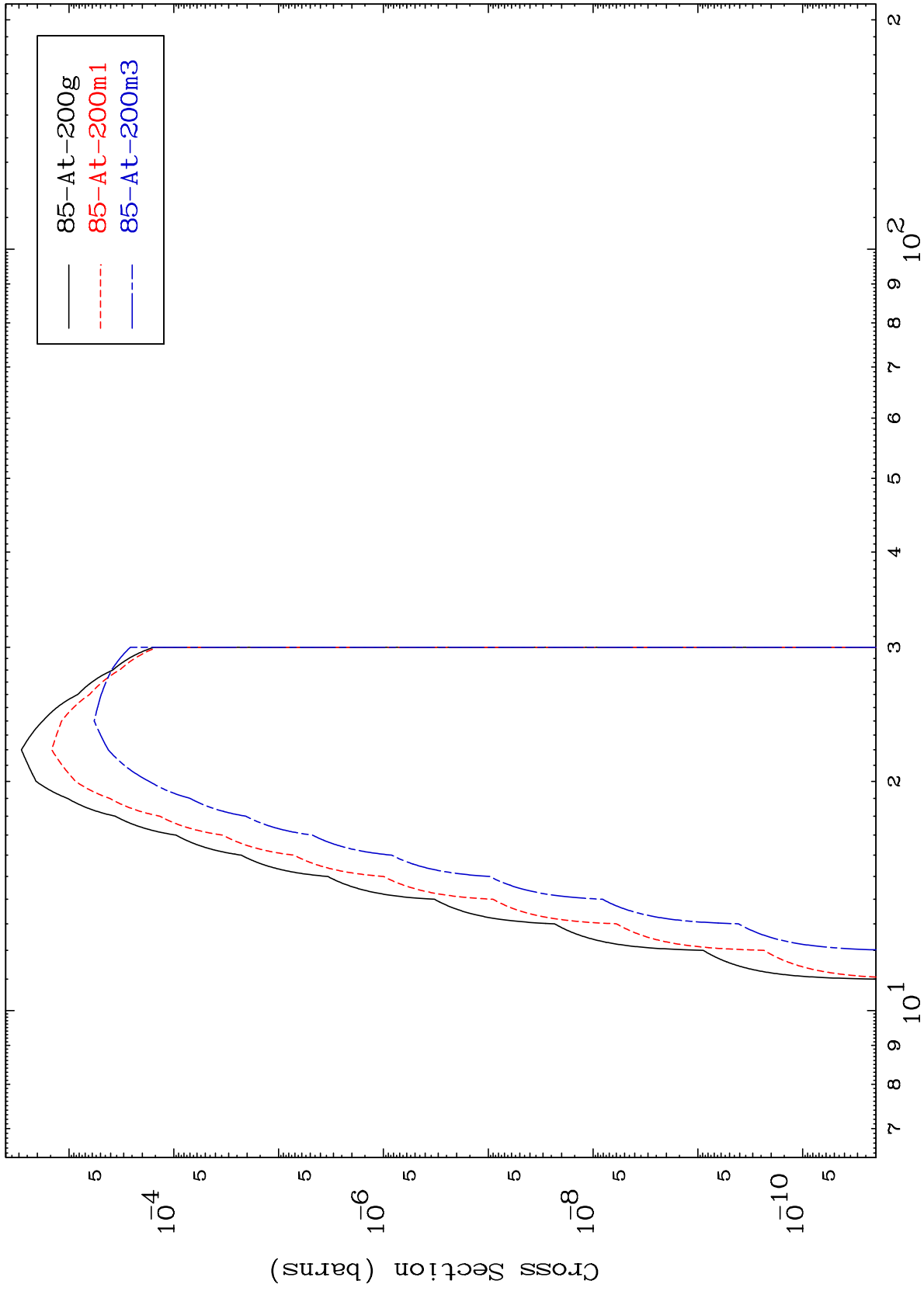


18

Incident Energy (MeV)

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

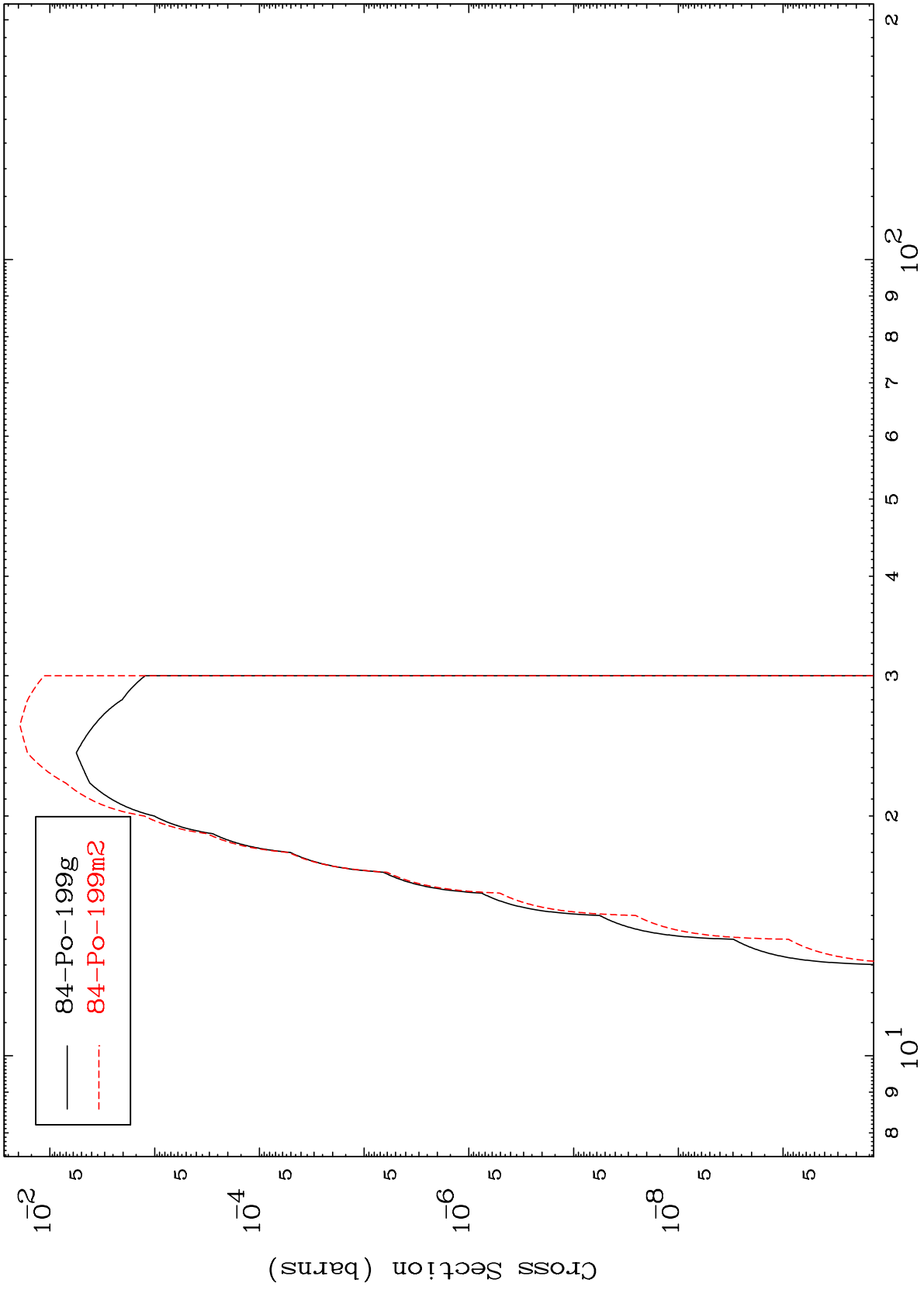
Radionuclide Production Cross Section  
( $\alpha, \gamma$ )



MAT 8286

83-Bi-196

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



20

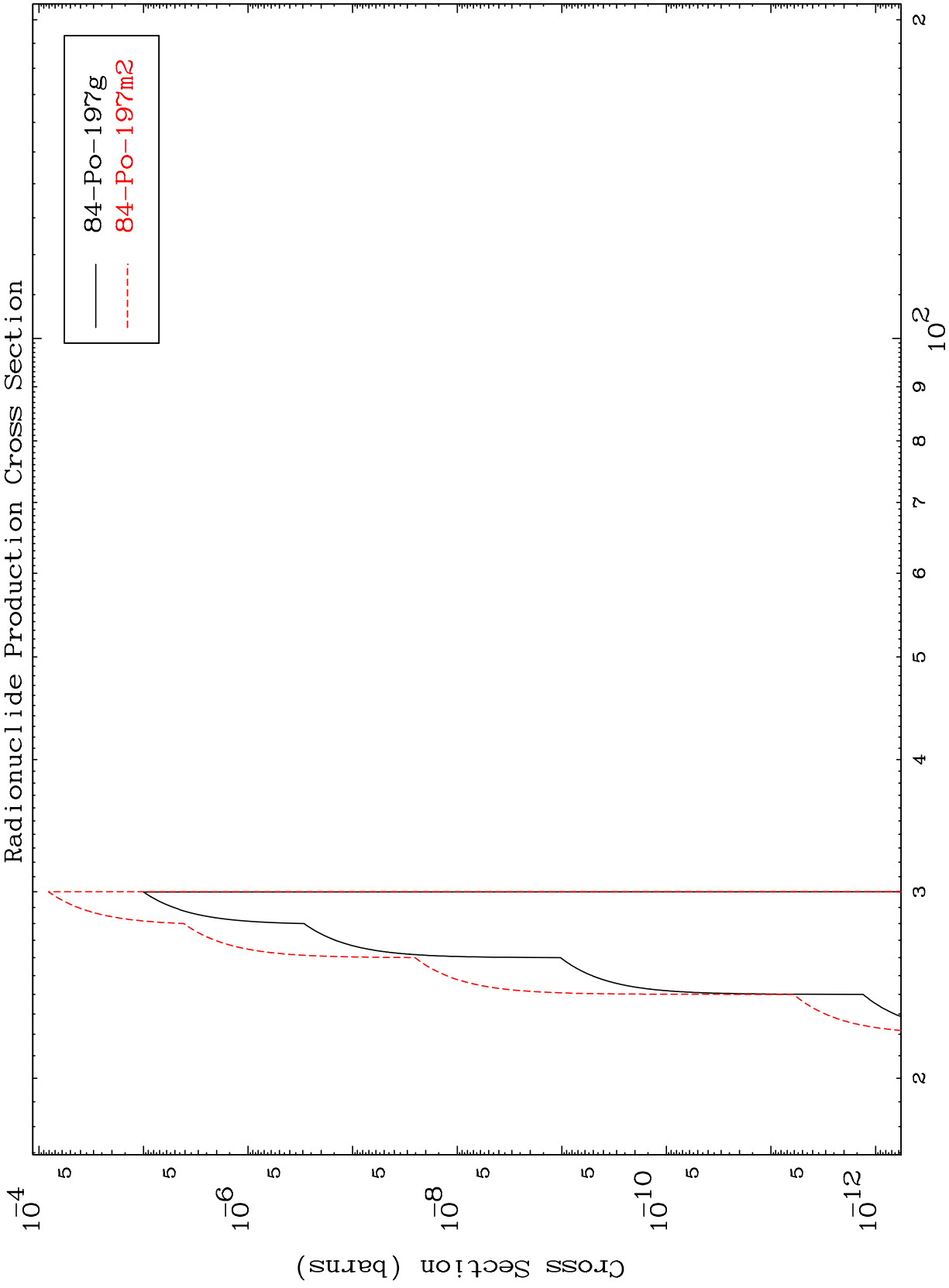
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

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



21

Incident Energy (MeV)

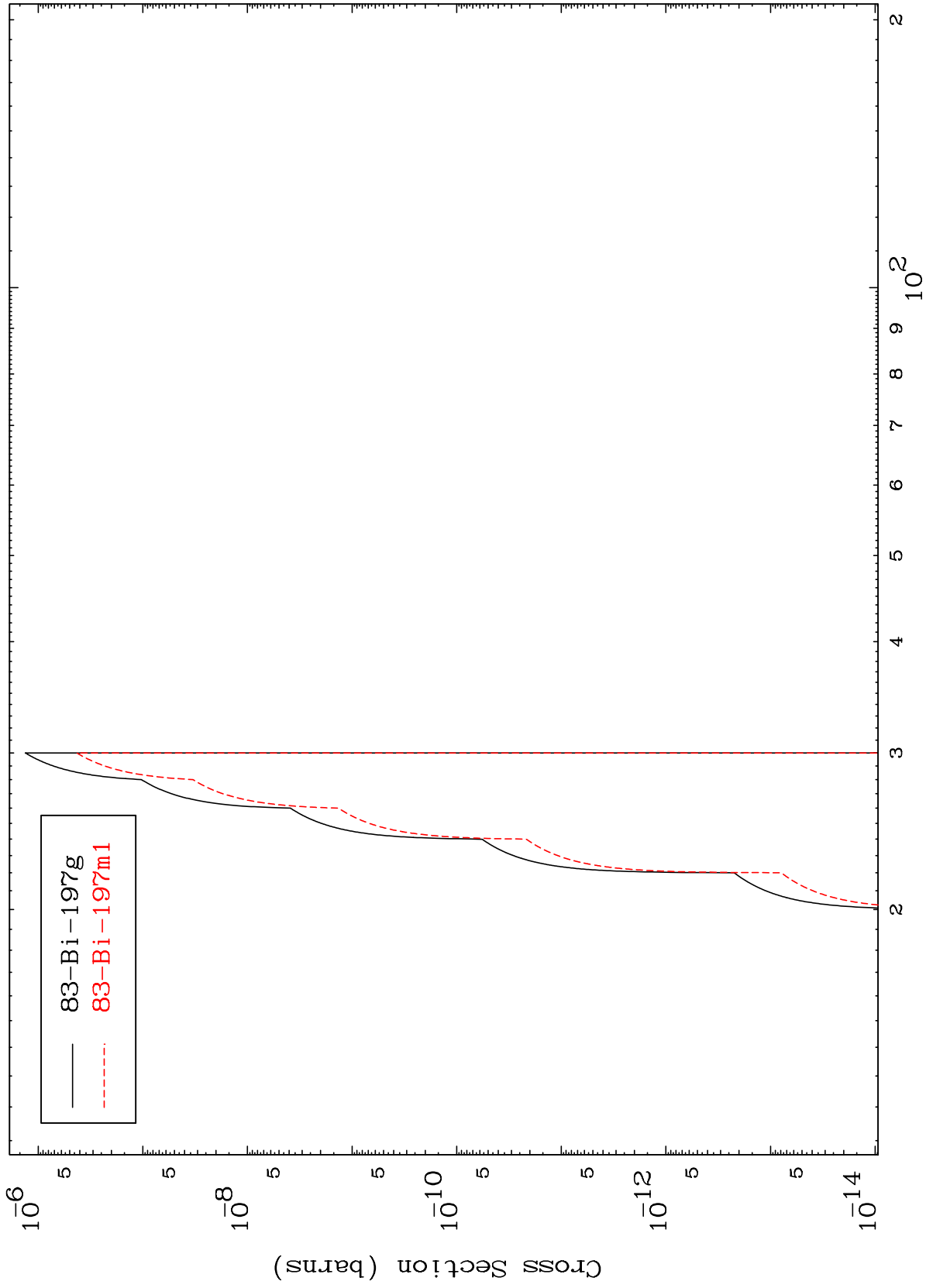
83-Bi-196

MAT 8286

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

83-Bi-196

Radionuclide Production Cross Section



22

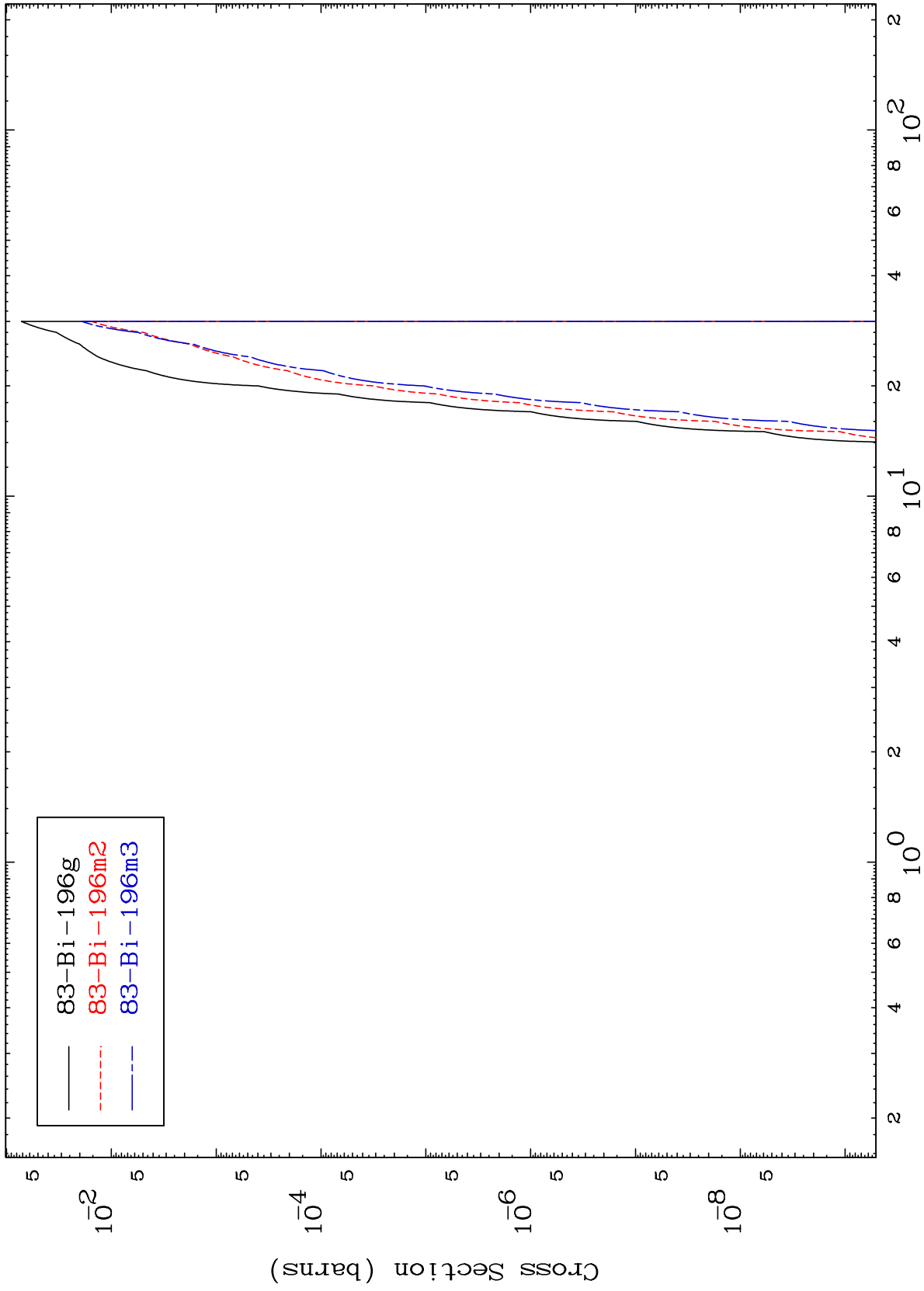
83-Bi-196

MAT 8286

( $\alpha, \alpha$ )

83-Bi-196

Radionuclide Production Cross Section



23

Incident Energy (MeV)

83-Bi-196

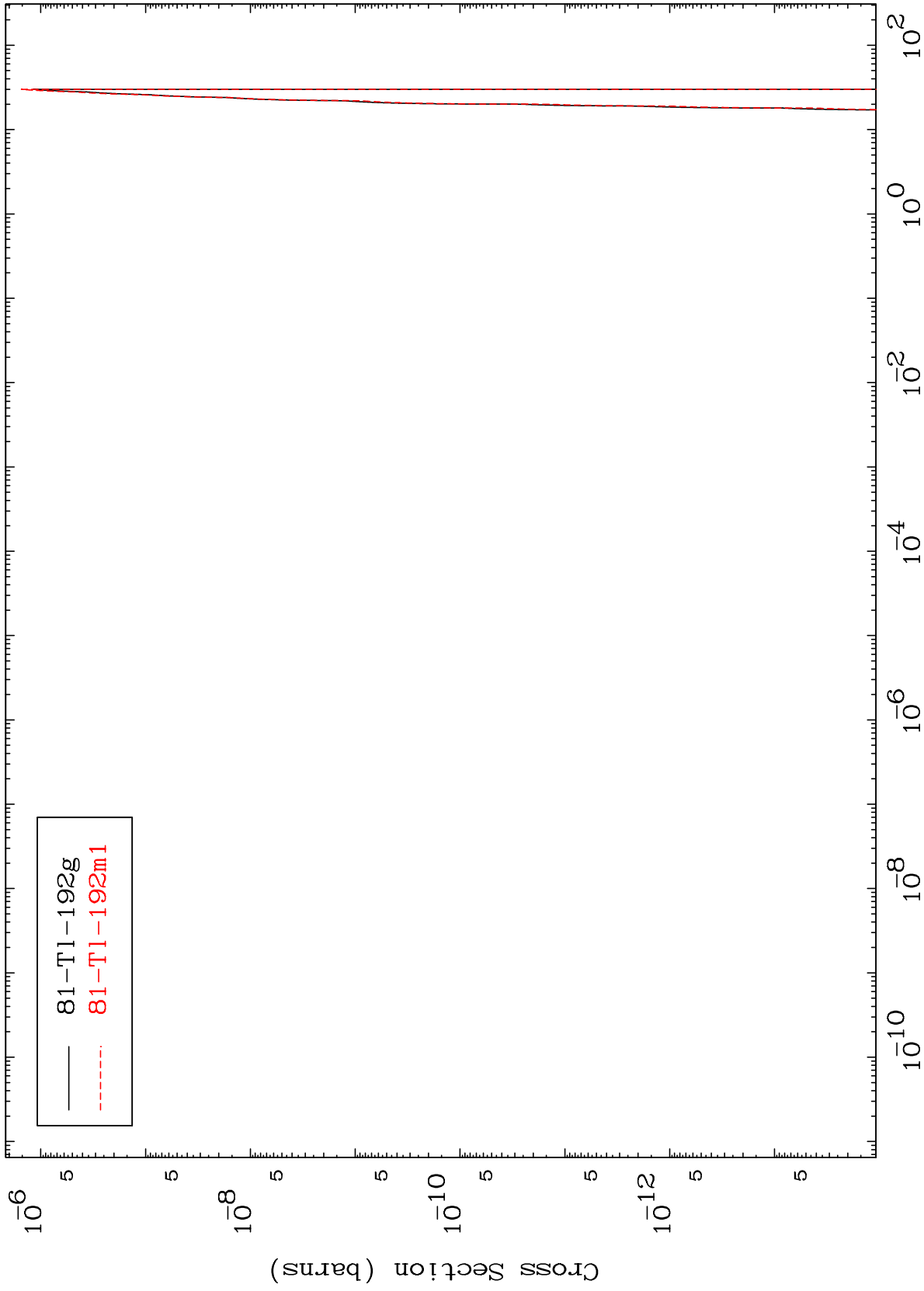


MAT 8286

( $\alpha, 2\alpha$ )

83-Bi-196

Radionuclide Production Cross Section



24

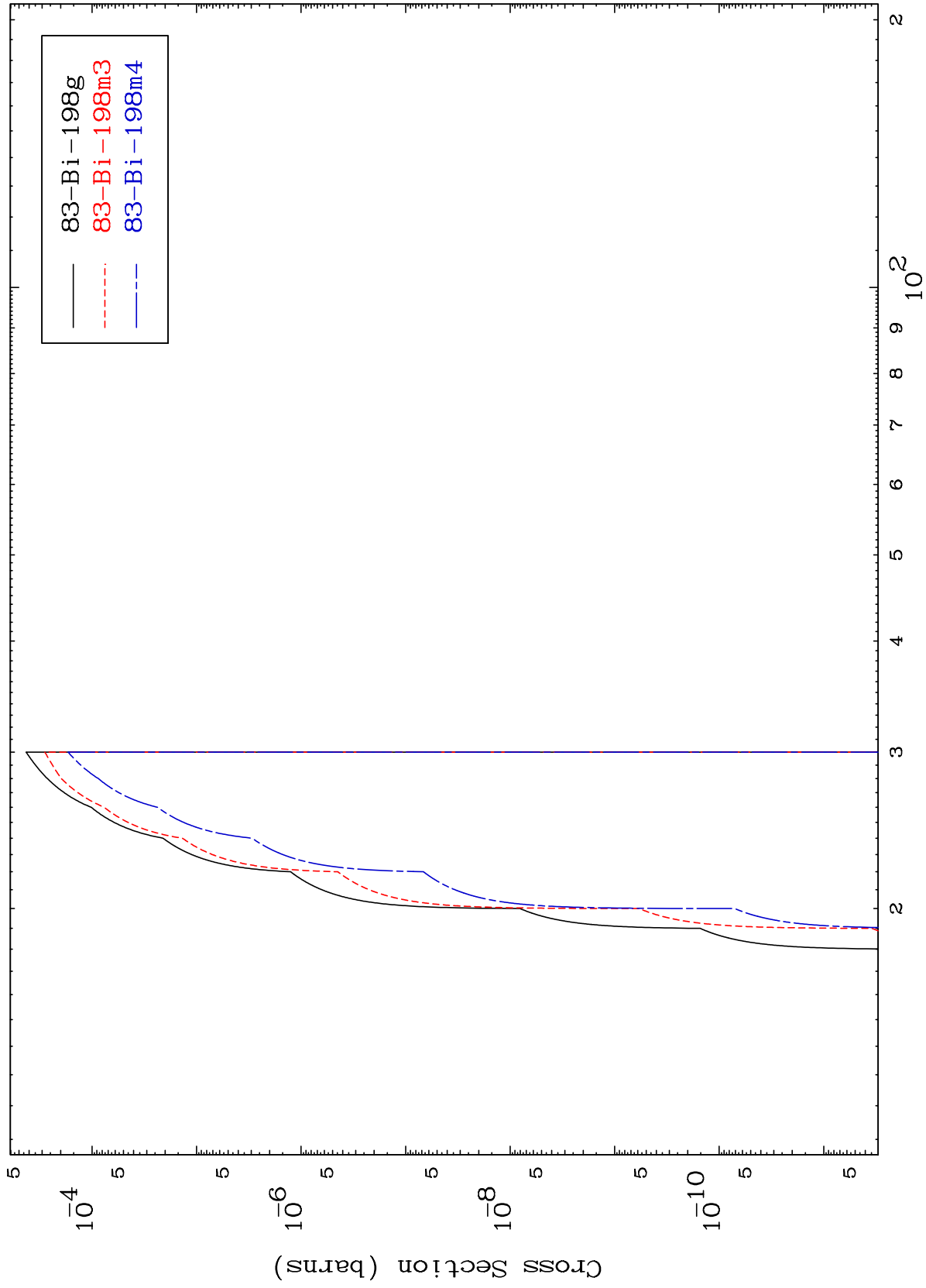
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

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



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83-Bi-196

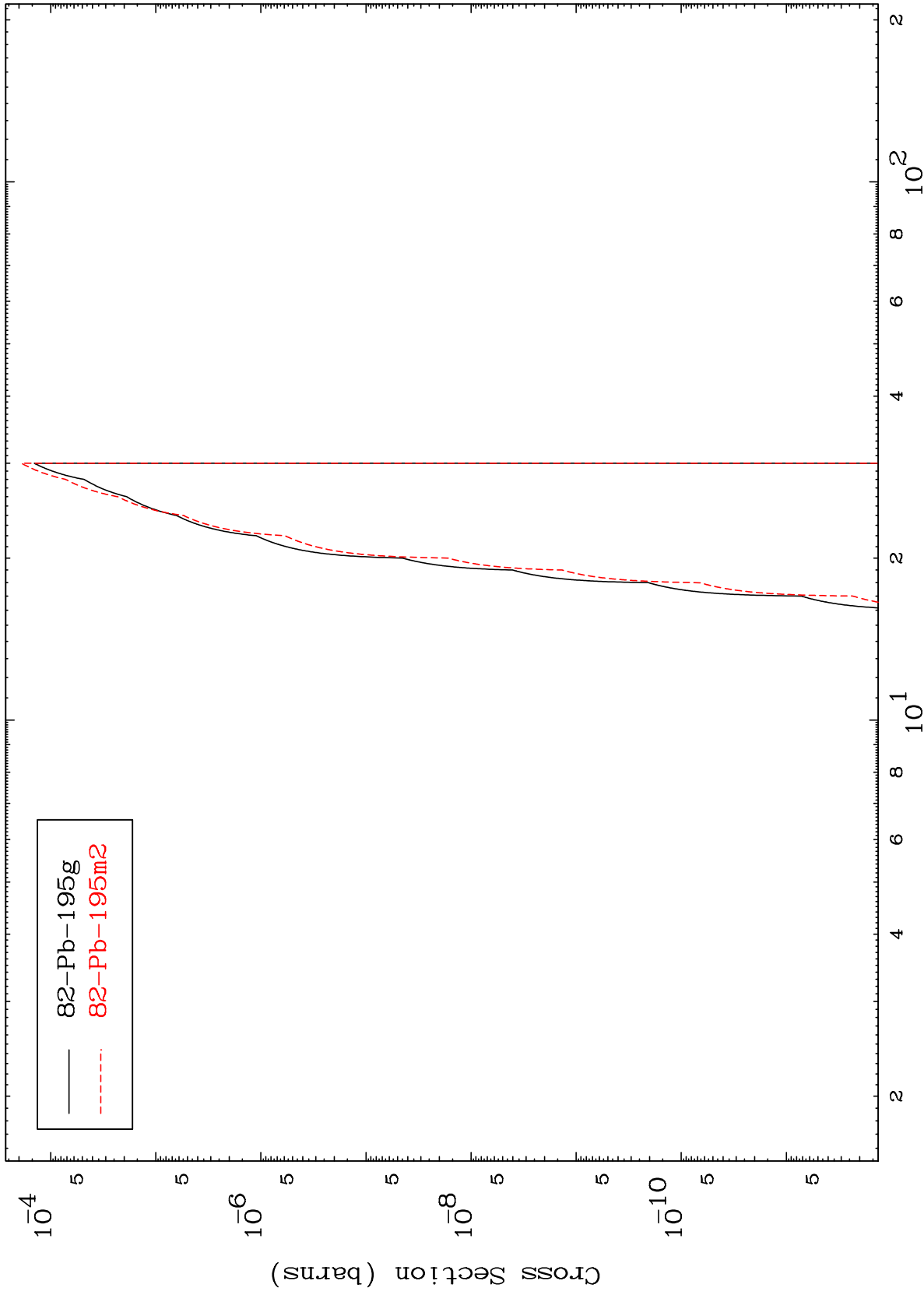
Incident Energy (MeV)

MAT 8286

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

83-Bi-196

Radionuclide Production Cross Section

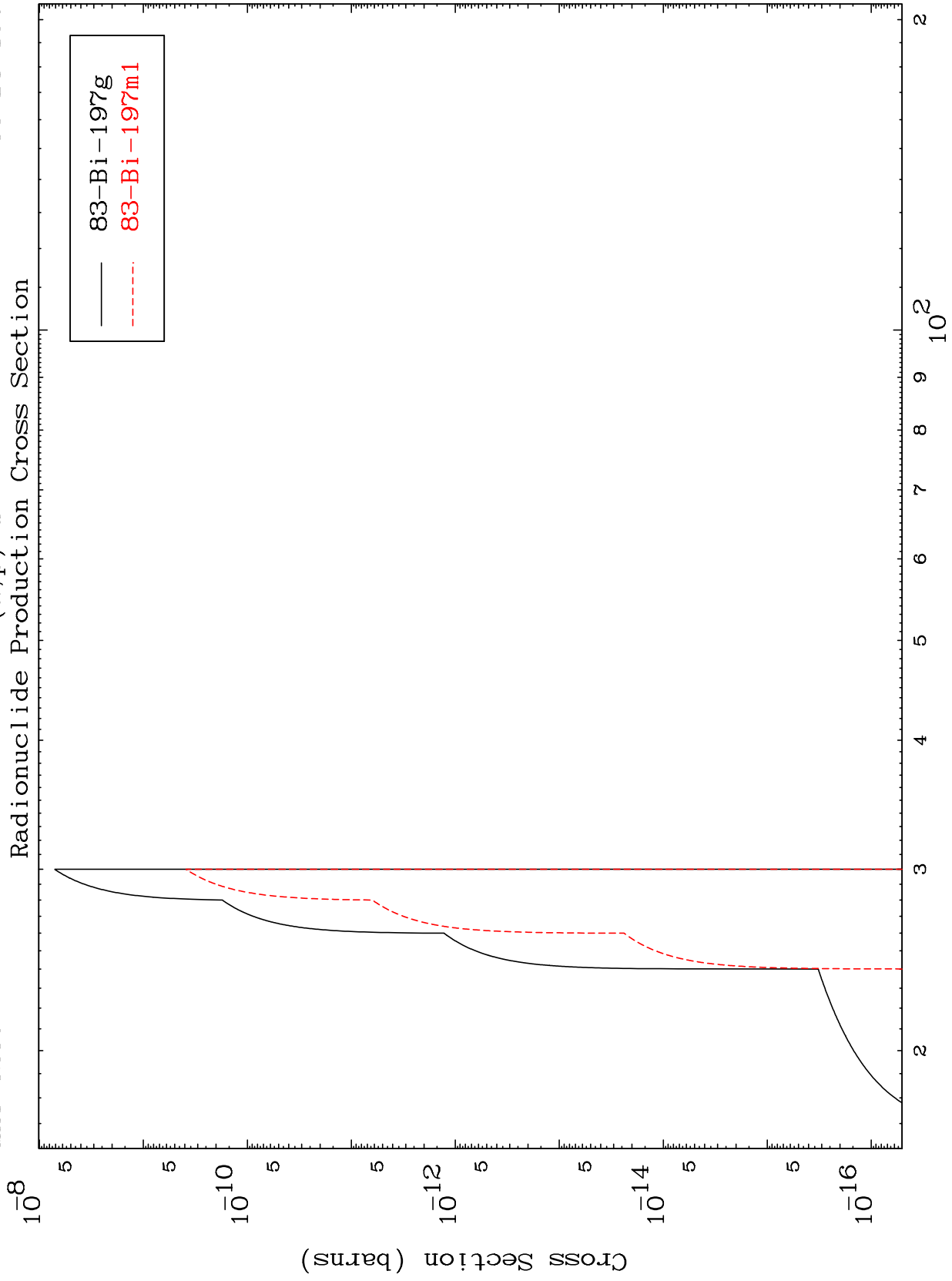


82-Pb-195g  
82-Pb-195m2

MAT 8286

( $\alpha, p$ ) d

83-Bi-196



27

Incident Energy (MeV)

83-Bi-196