

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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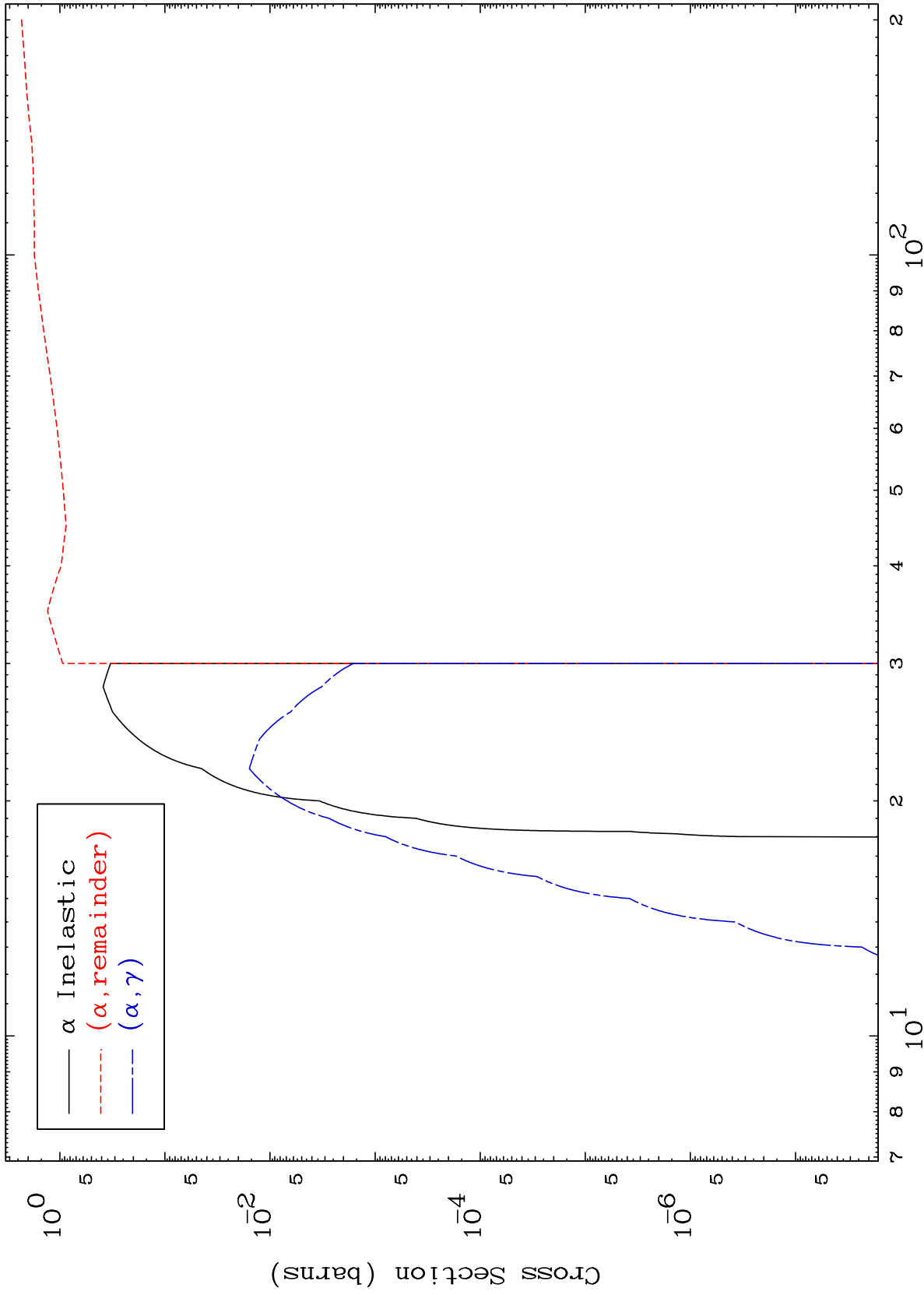
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8277

0 Kelvin  $\alpha$  Major  
Cross Sections

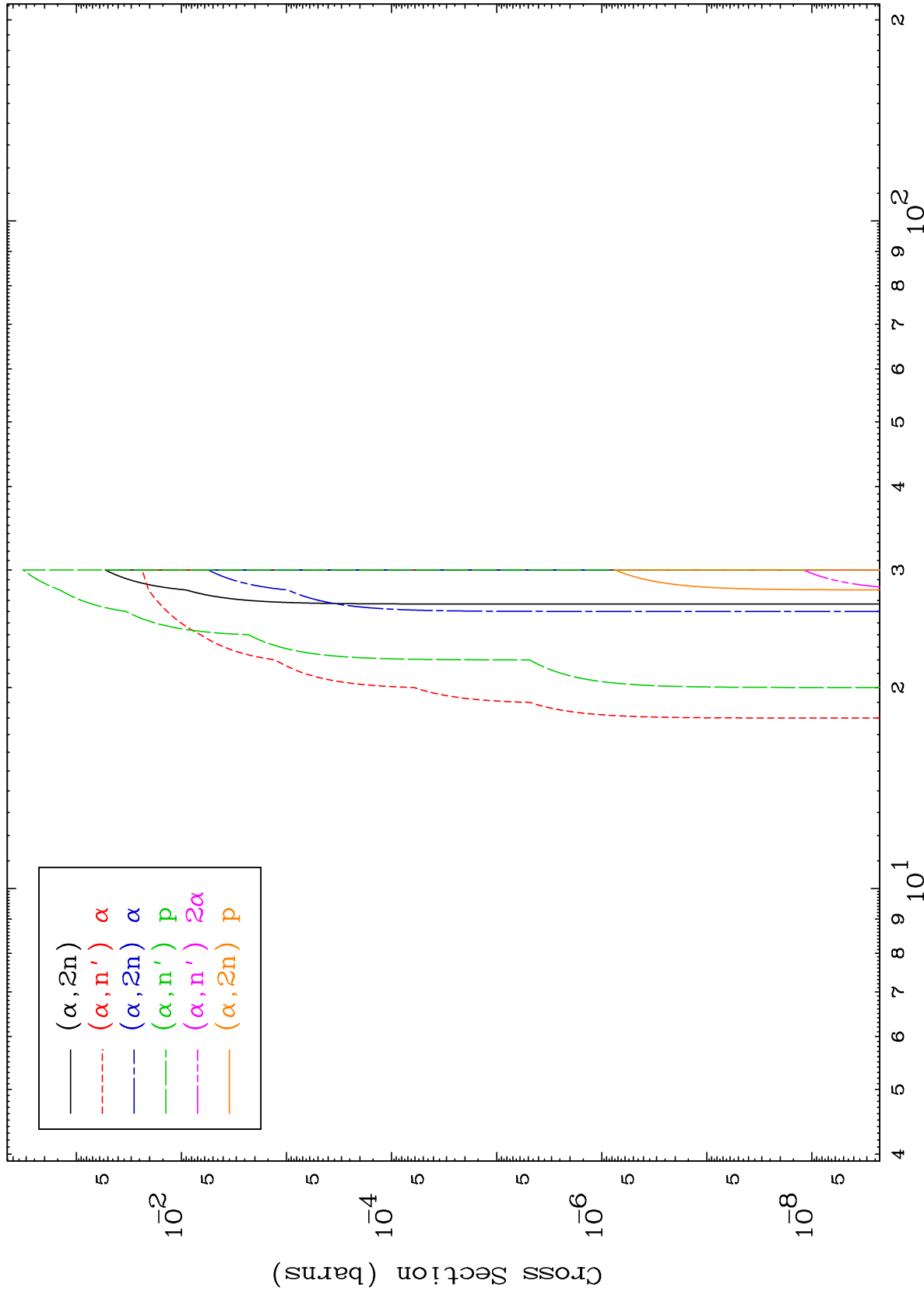
83-Bi-193

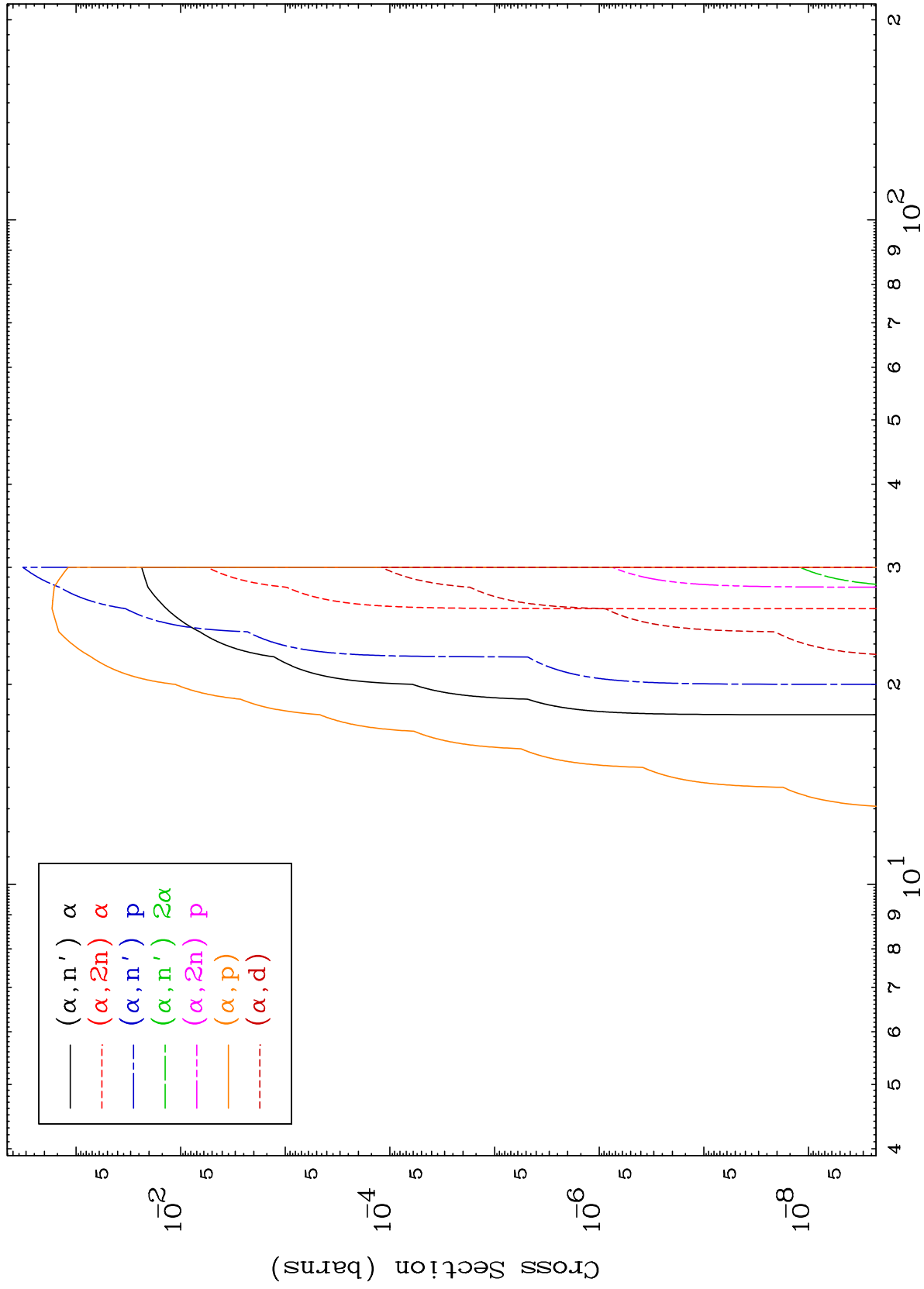


1

Incident Energy (MeV)

83-Bi-193

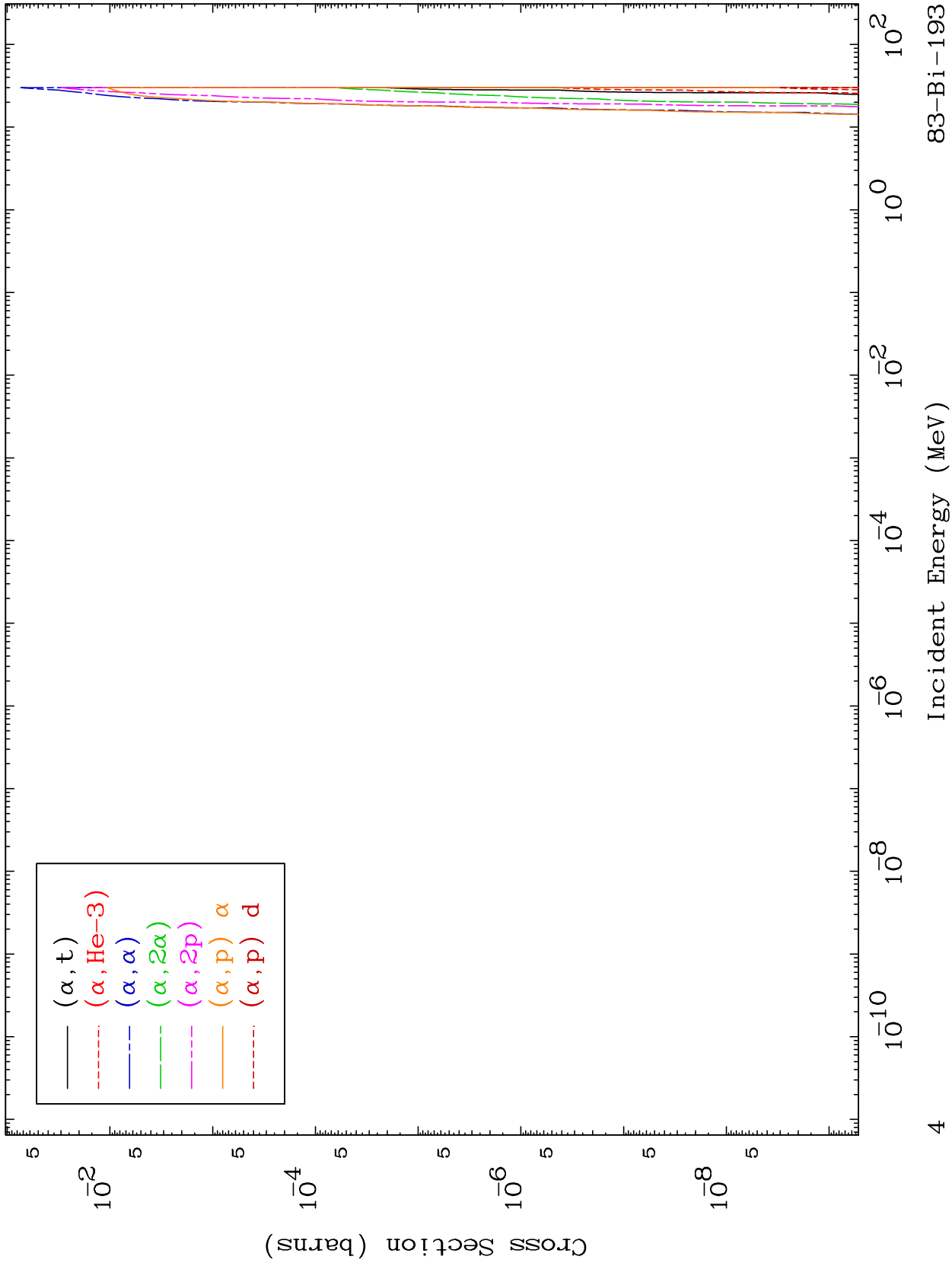




MAT 8277

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

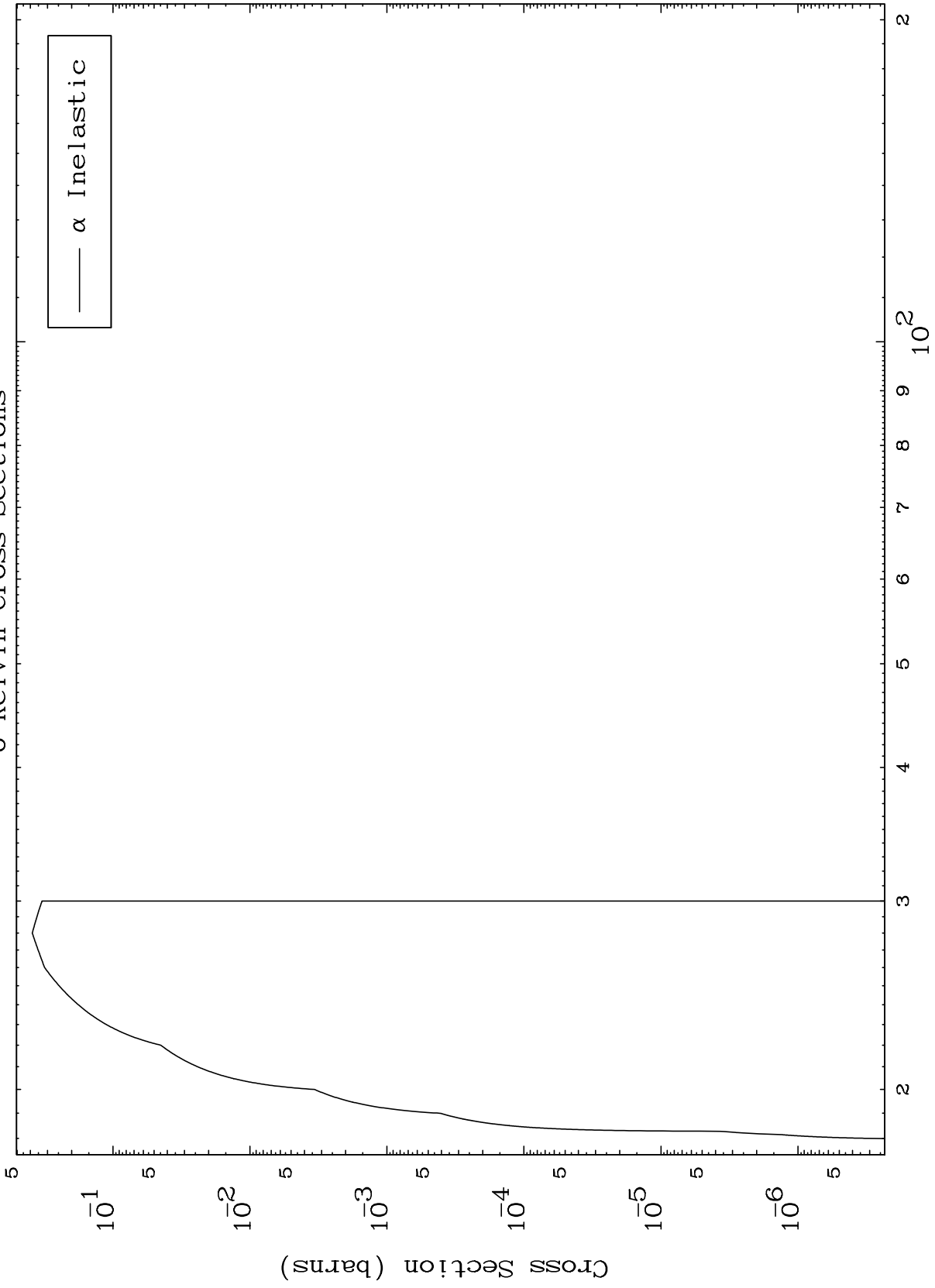
83-Bi-193



MAT 8277

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

83-Bi-193



5

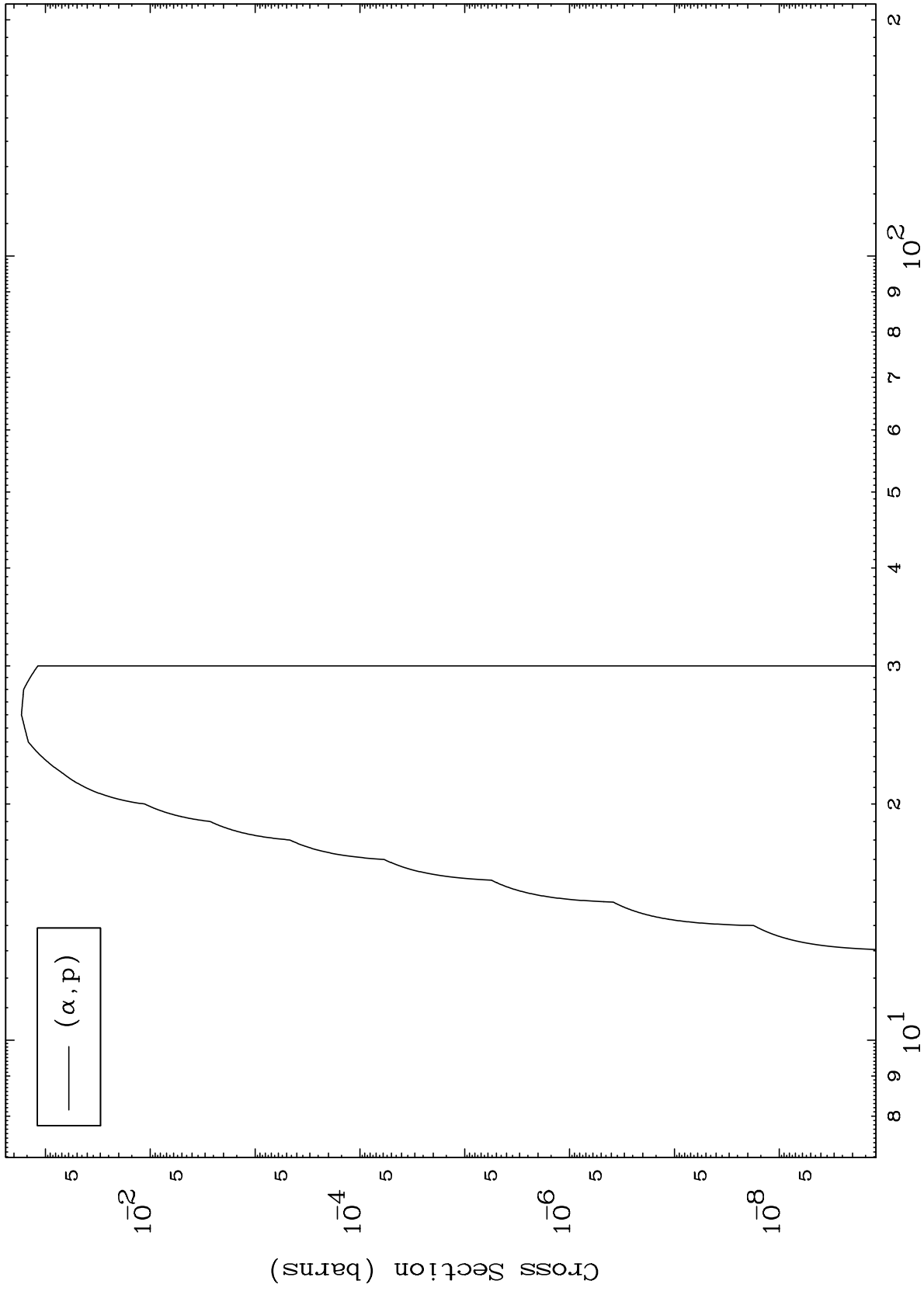
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

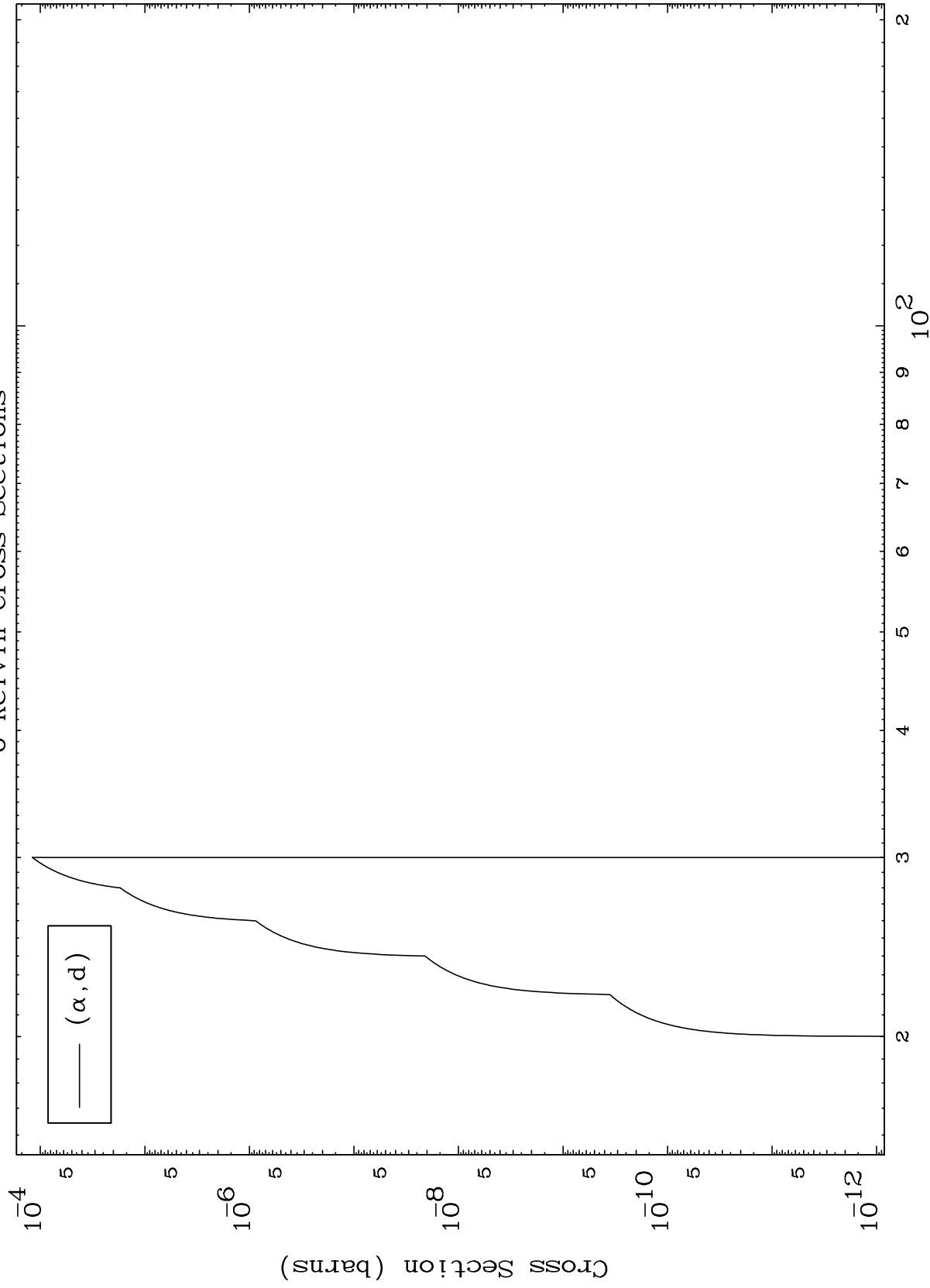
83-Bi-193



MAT 8277

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

83-Bi-193

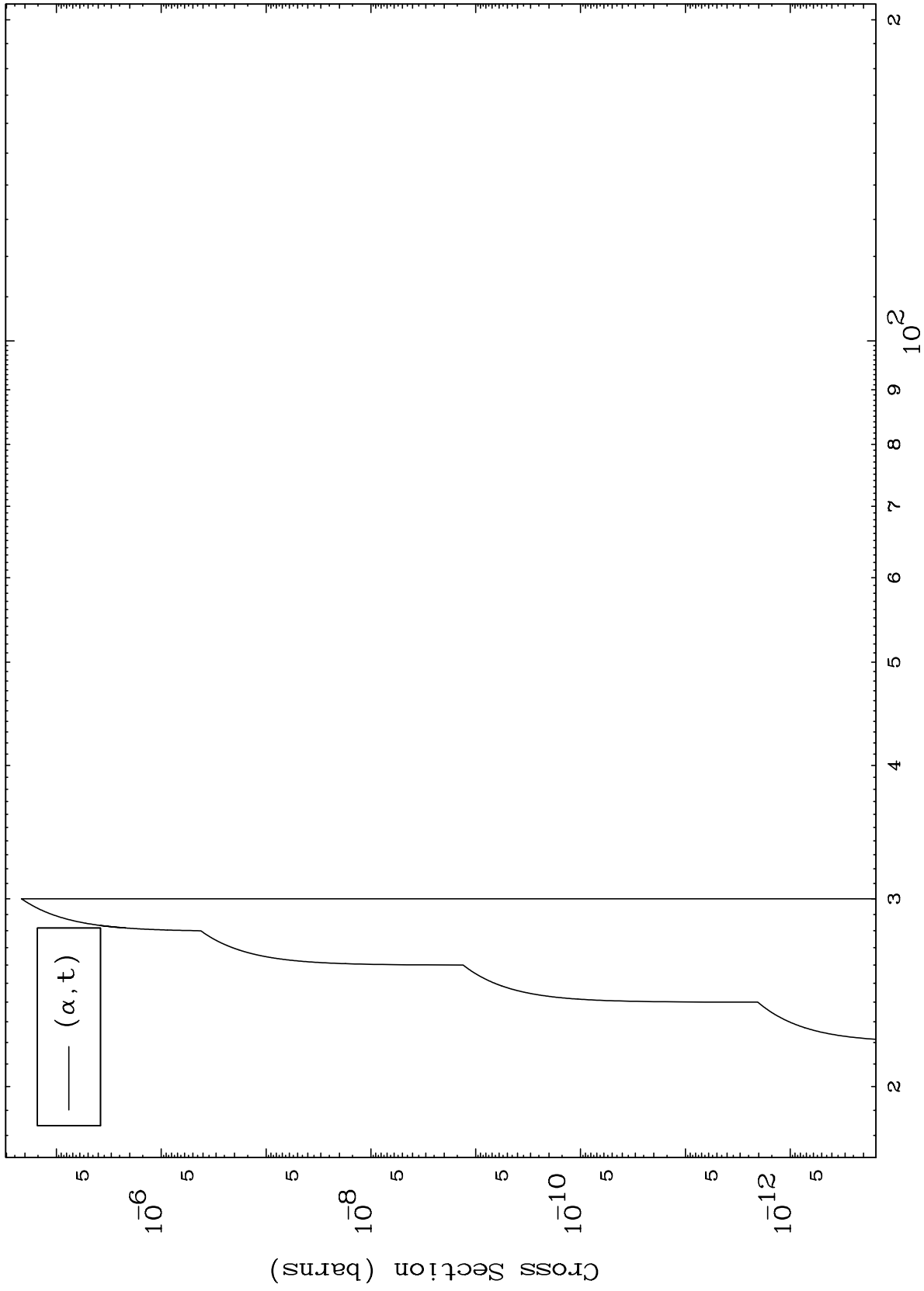


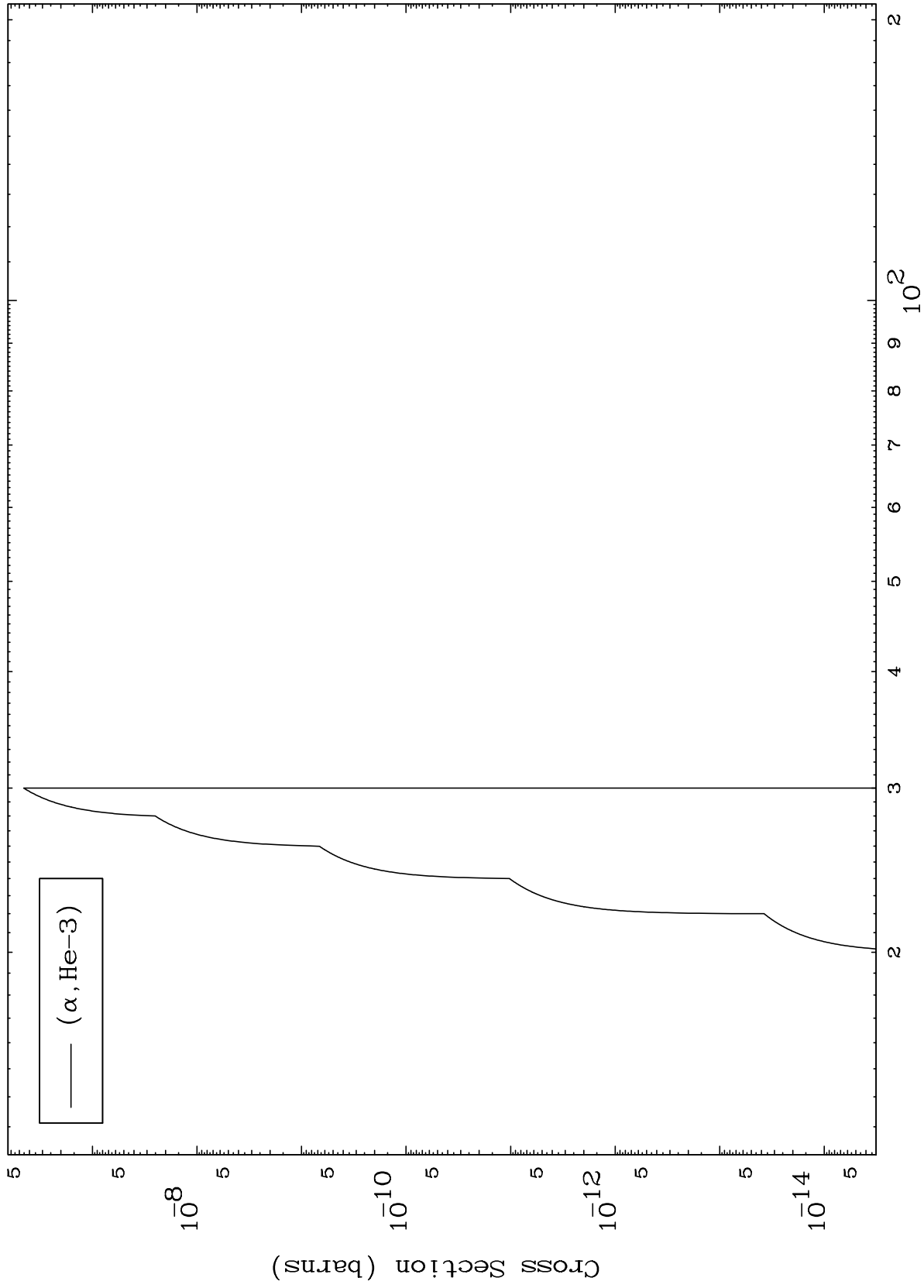
7

Incident Energy (MeV)

83-Bi-193



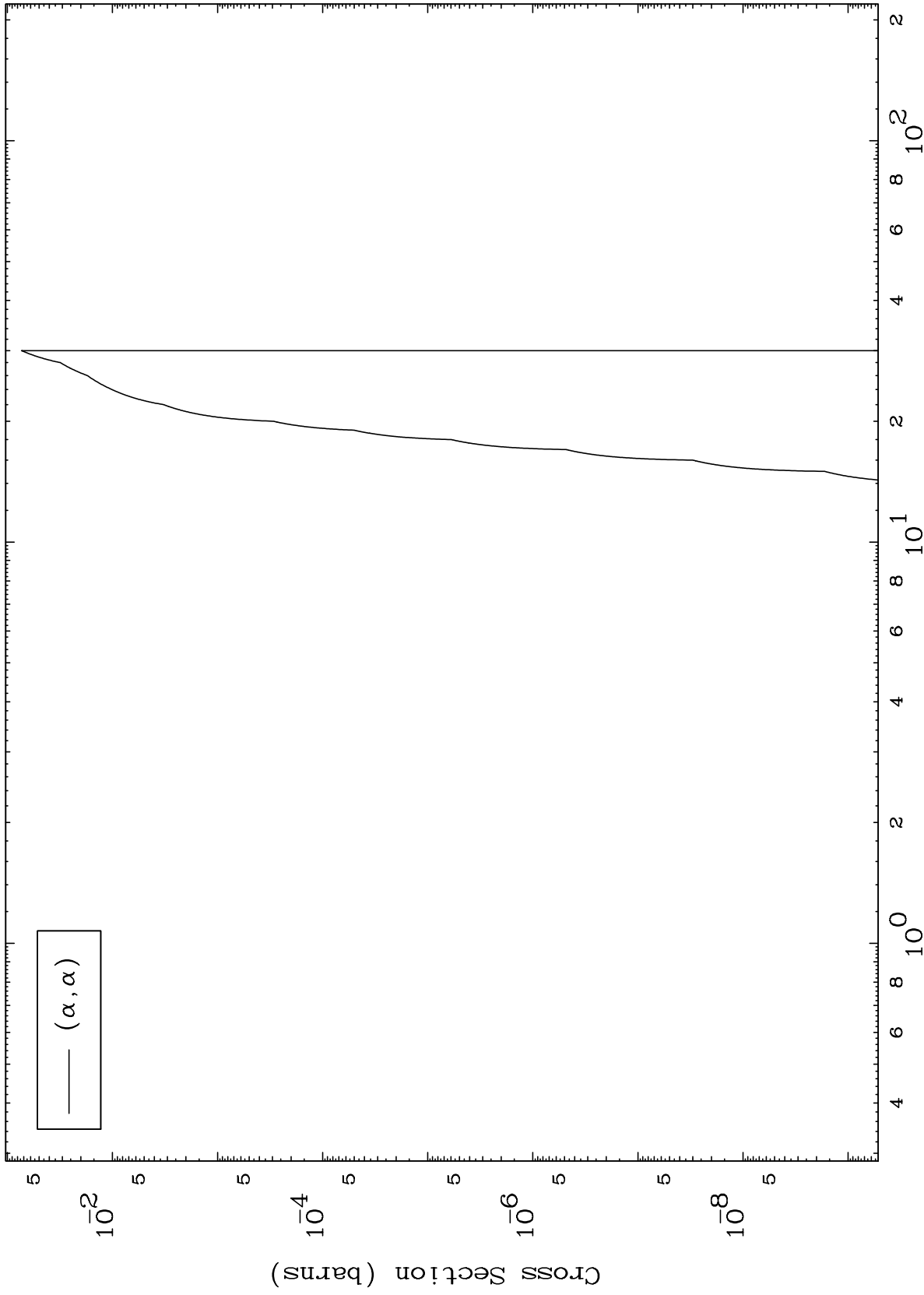




MAT 8277

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

83-Bi-193



10

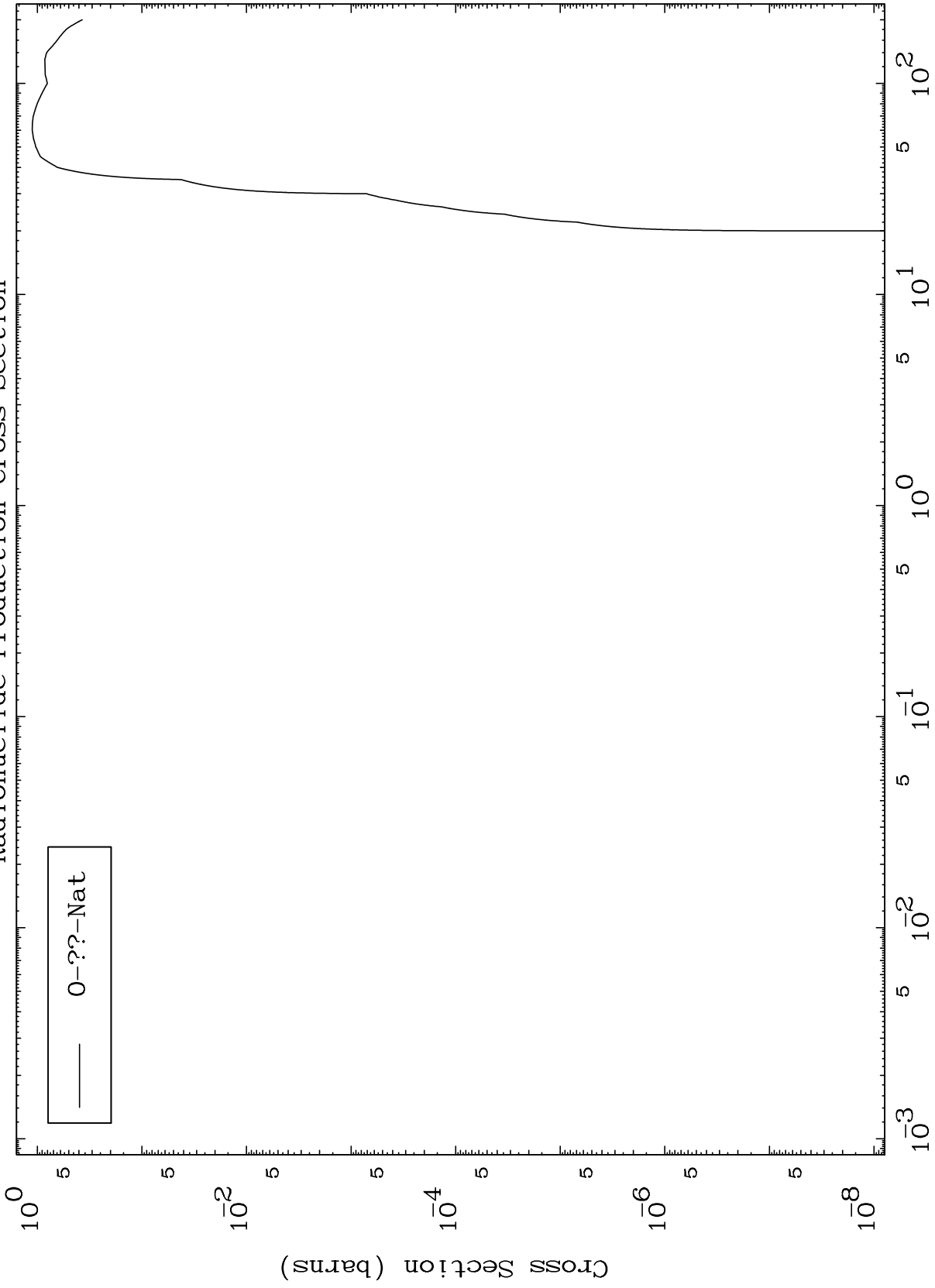
Incident Energy (MeV)

83-Bi-193

MAT 8277

$\alpha$  Fission  
Radionuclide Production Cross Section

83-Bi-193



11

Incident Energy (MeV)

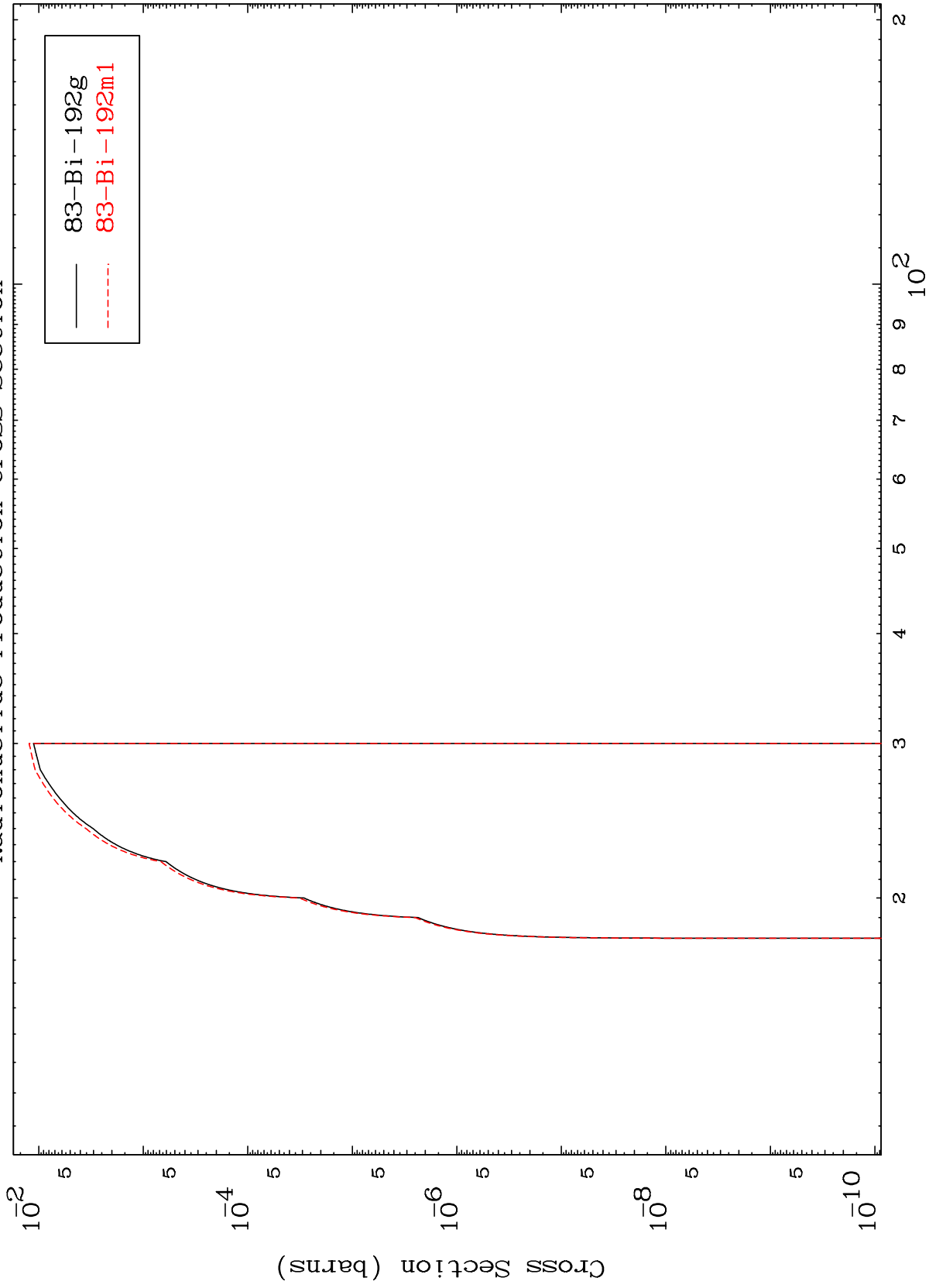
83-Bi-193

MAT 8277

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

83-Bi-193

Radionuclide Production Cross Section



12

Incident Energy (MeV)

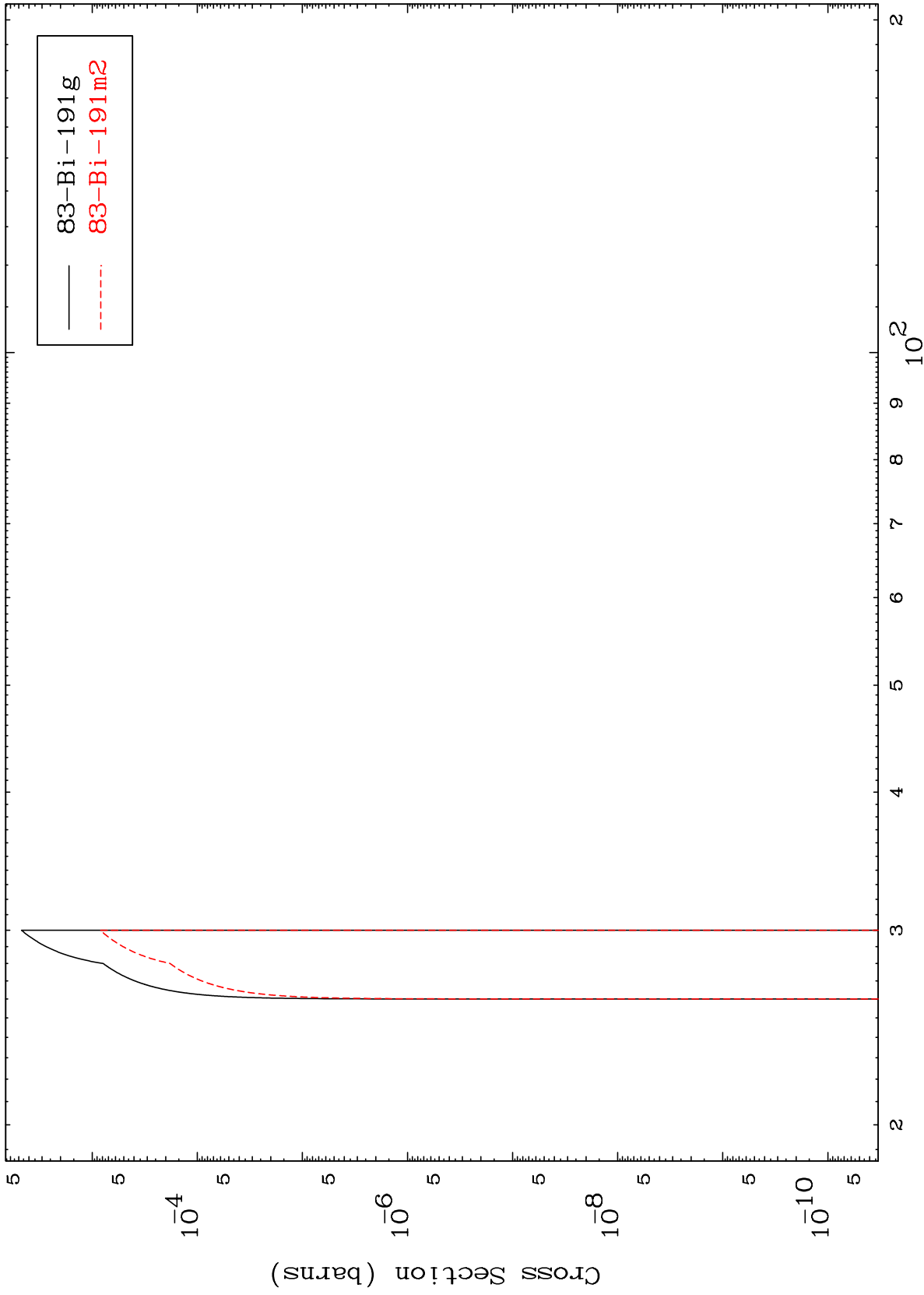
83-Bi-193

MAT 8277

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

$^{83}\text{Bi}-193$

Radionuclide Production Cross Section



13

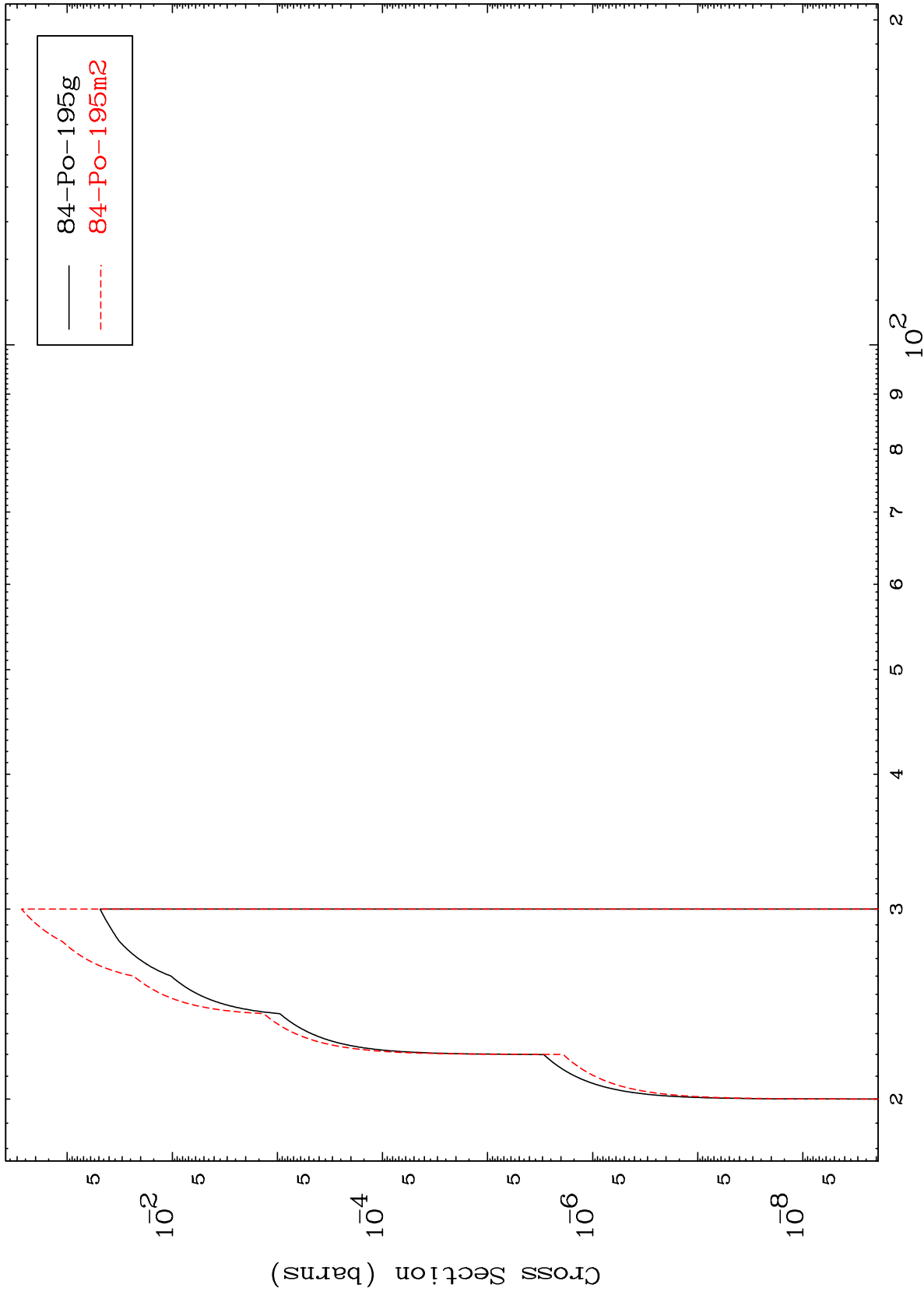
Incident Energy (MeV)

$^{83}\text{Bi}-193$

MAT 8277

83-Bi-193

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



14

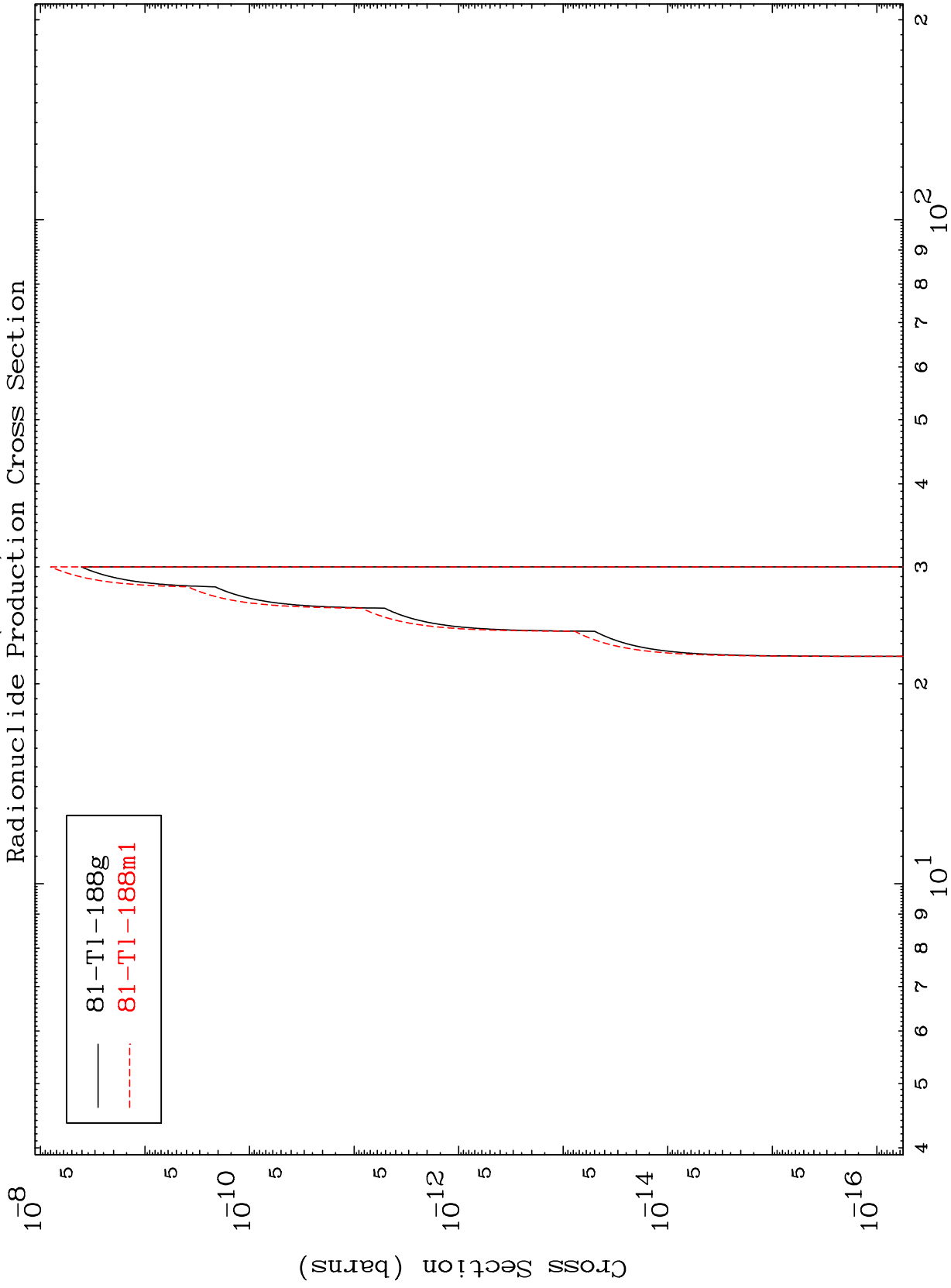
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

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



15

Incident Energy (MeV)

83-Bi-193

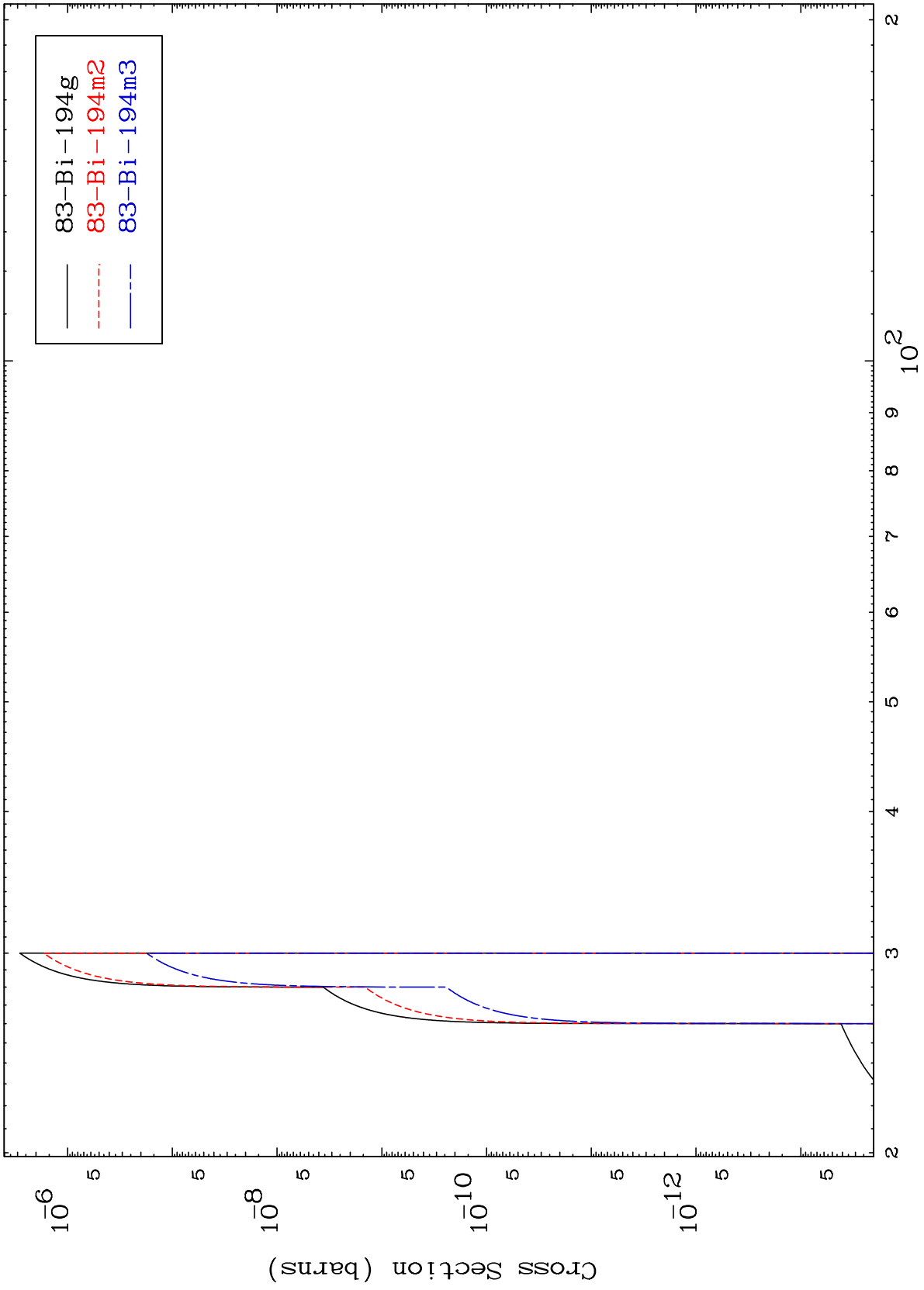


MAT 8277

( $\alpha, 2n$ ) p

83-Bi-193

Radionuclide Production Cross Section



16

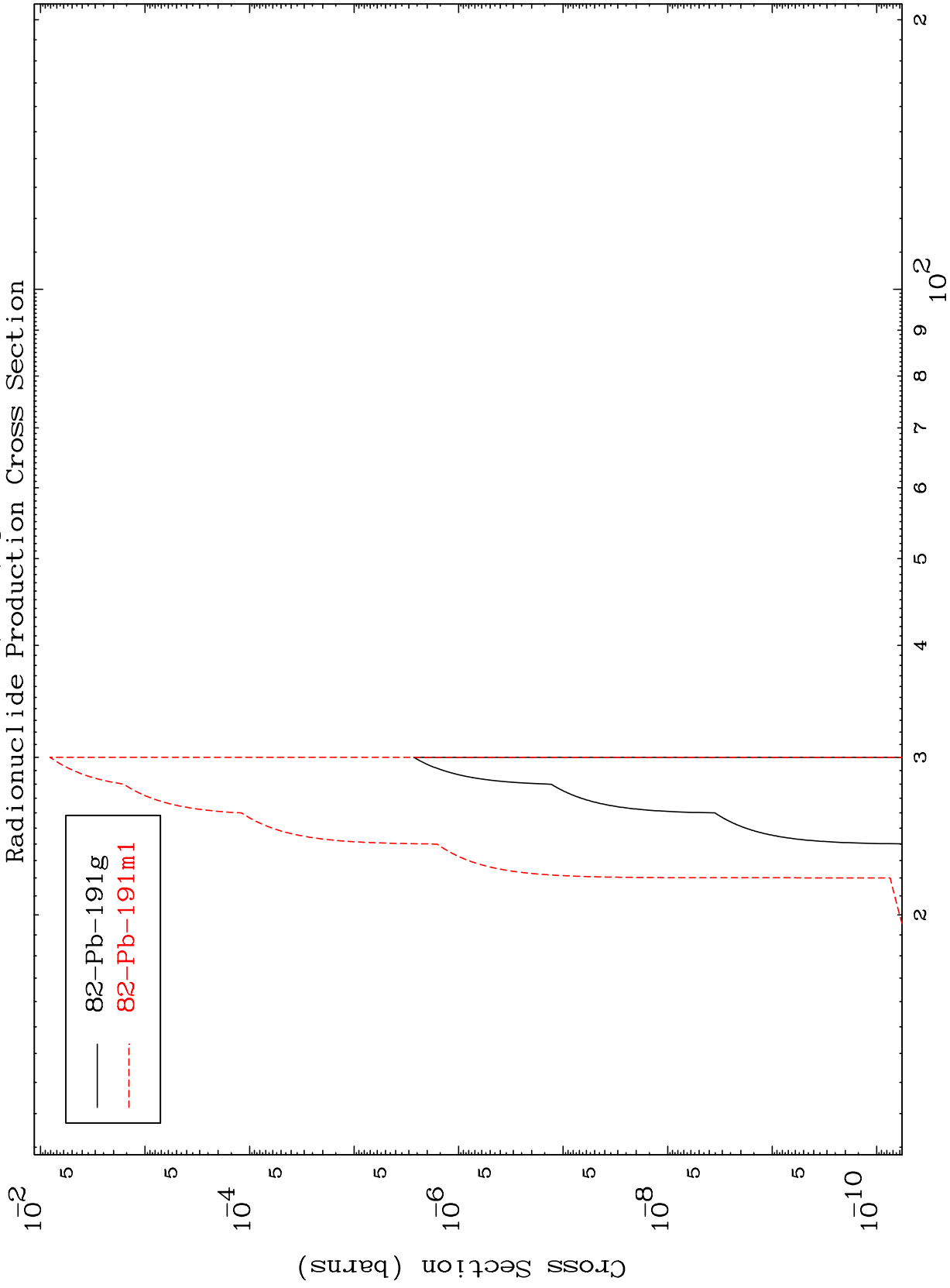
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

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



17

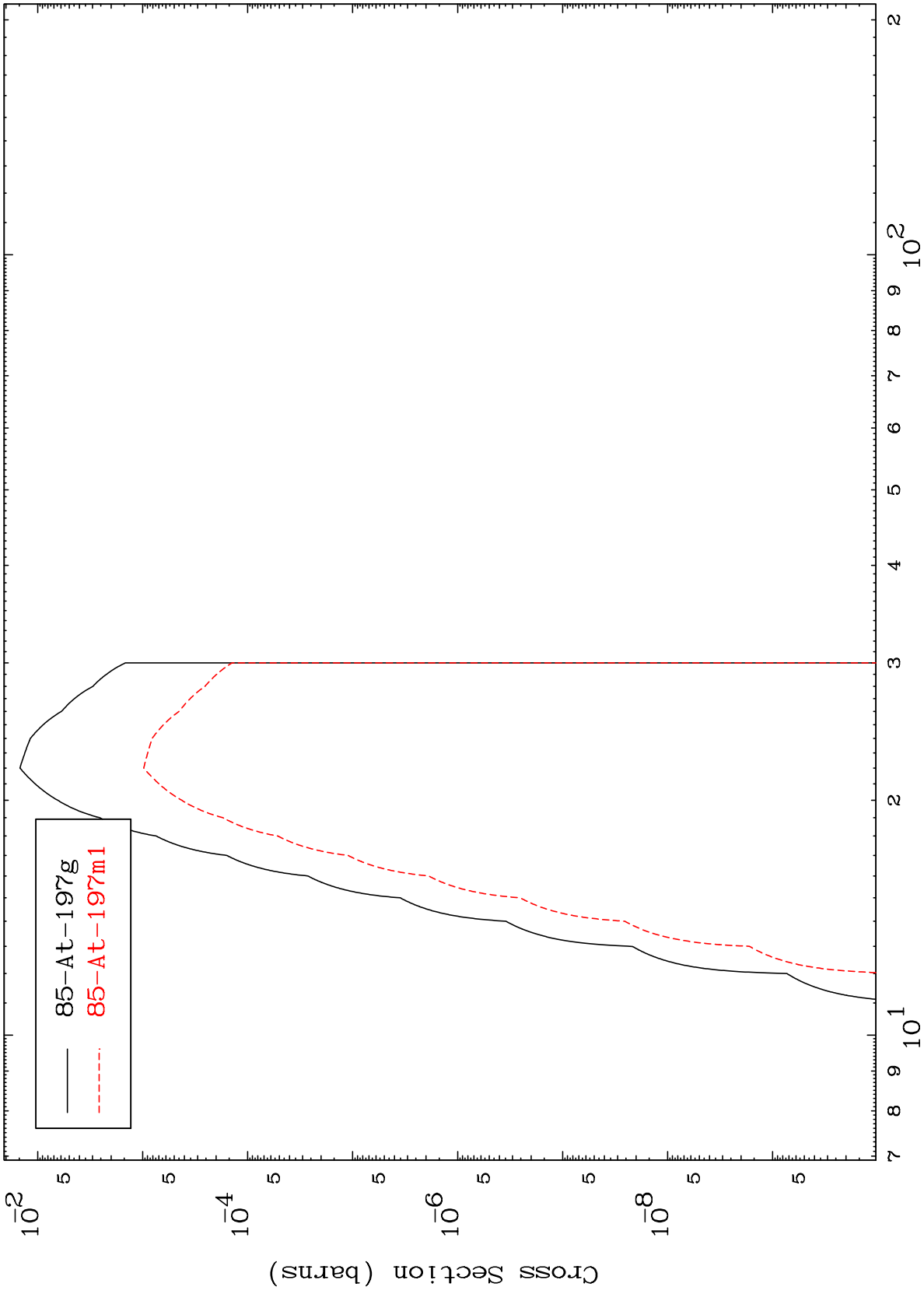
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

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



18

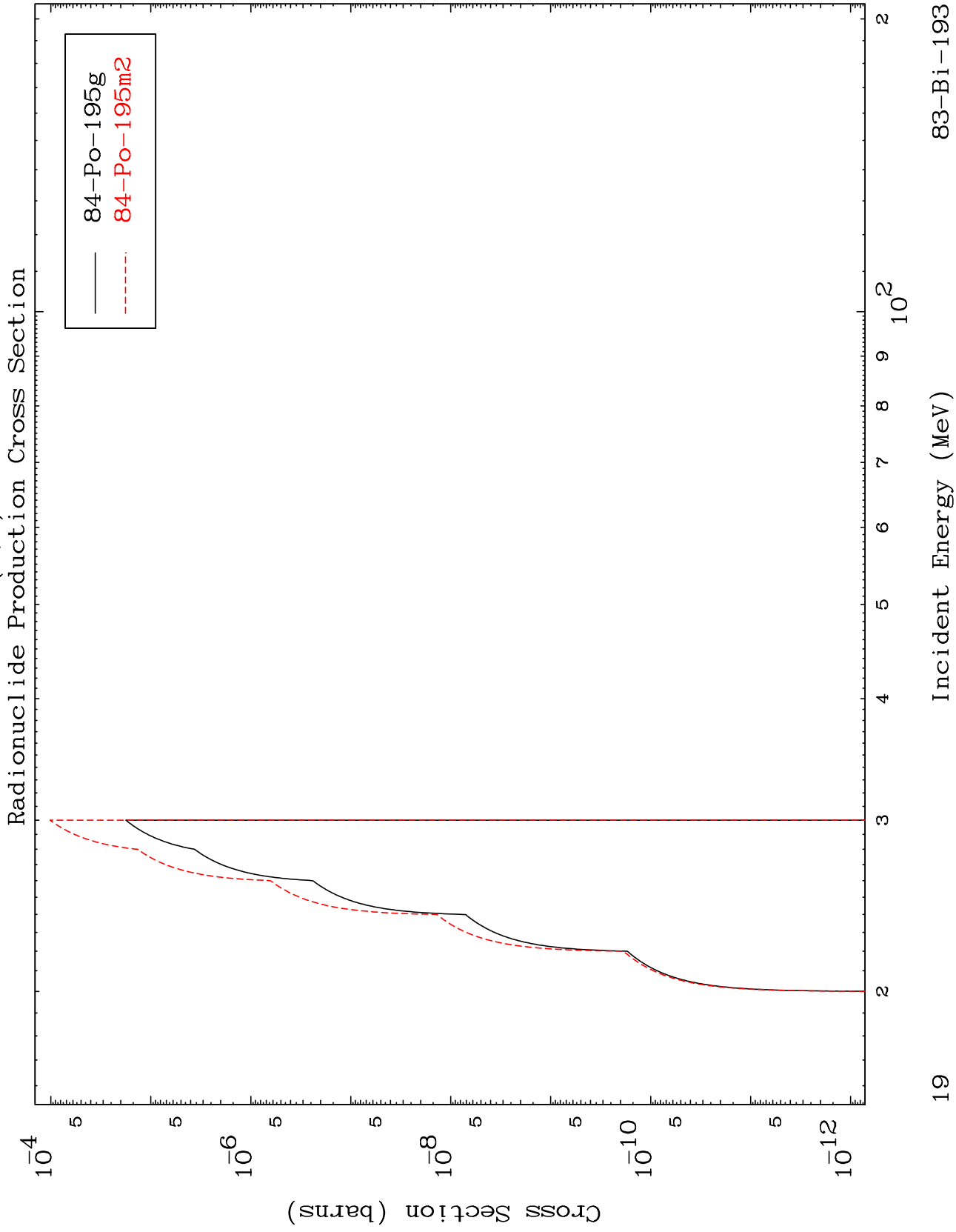
Incident Energy (MeV)

83-Bi-193

MAT 8277

( $\alpha, d$ )

83-Bi-193



19

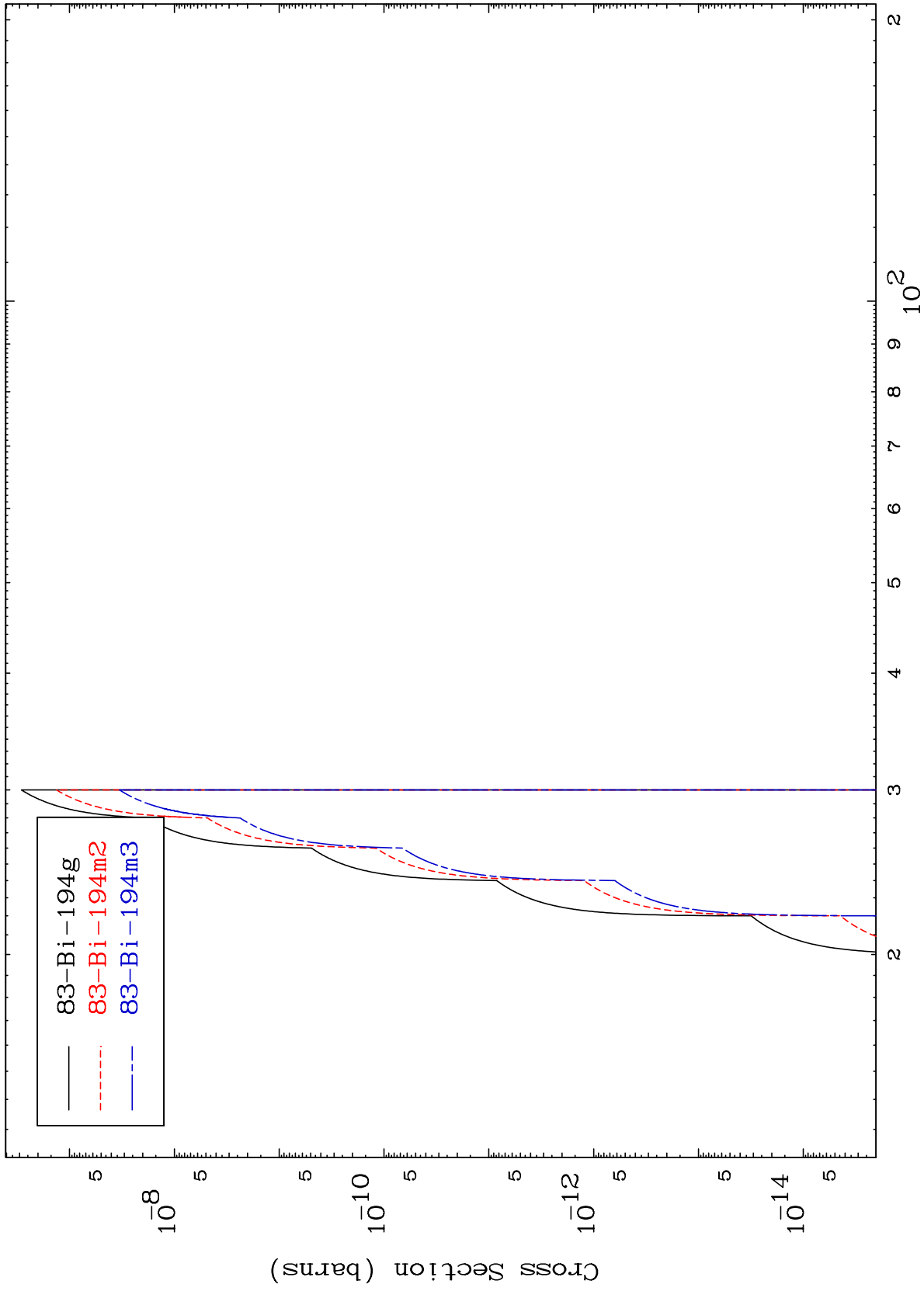
83-Bi-193

MAT 8277

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

83-Bi-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

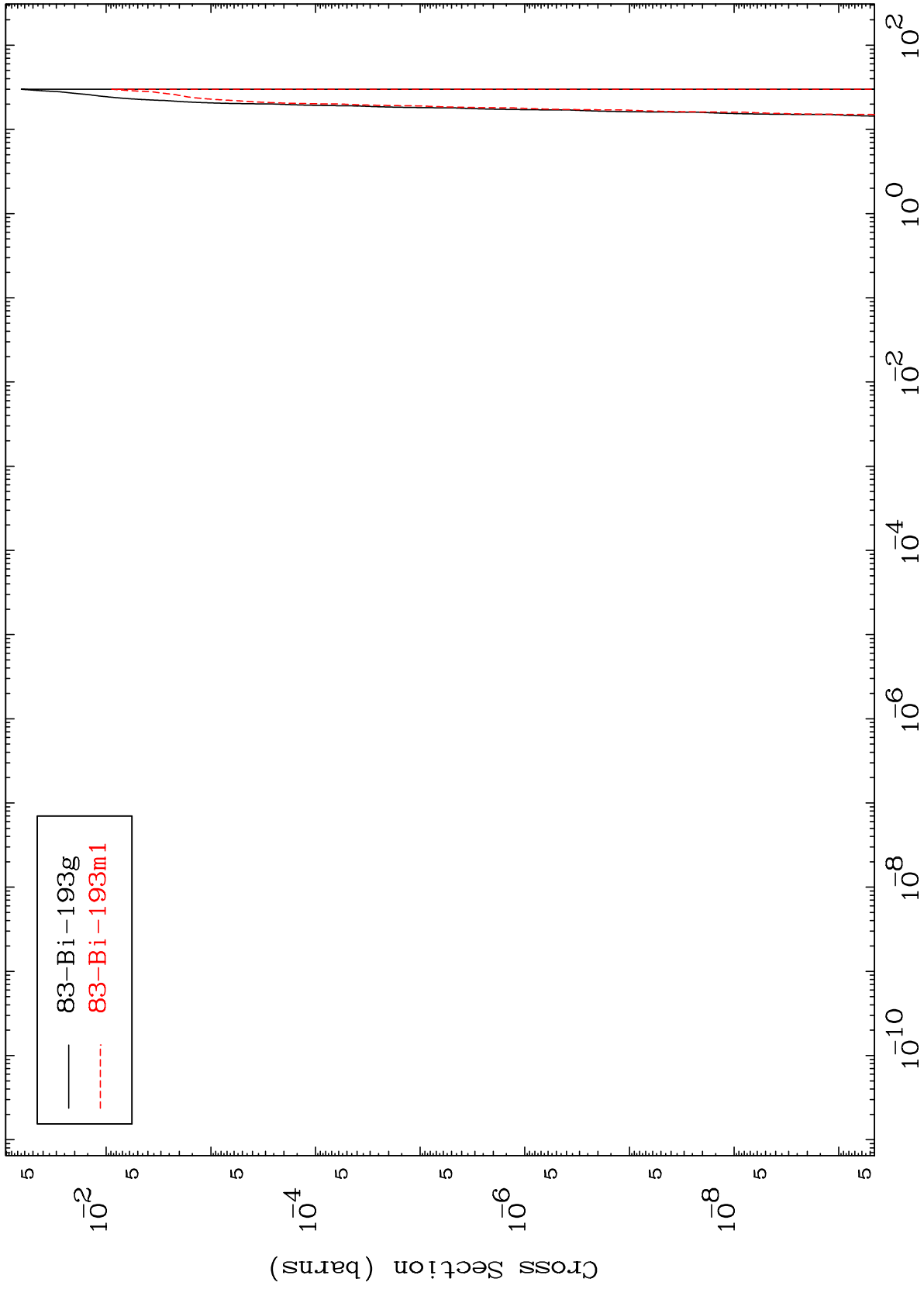
83-Bi-193

MAT 8277

( $\alpha, \alpha$ )

83-Bi-193

Radionuclide Production Cross Section



21

Incident Energy (MeV)

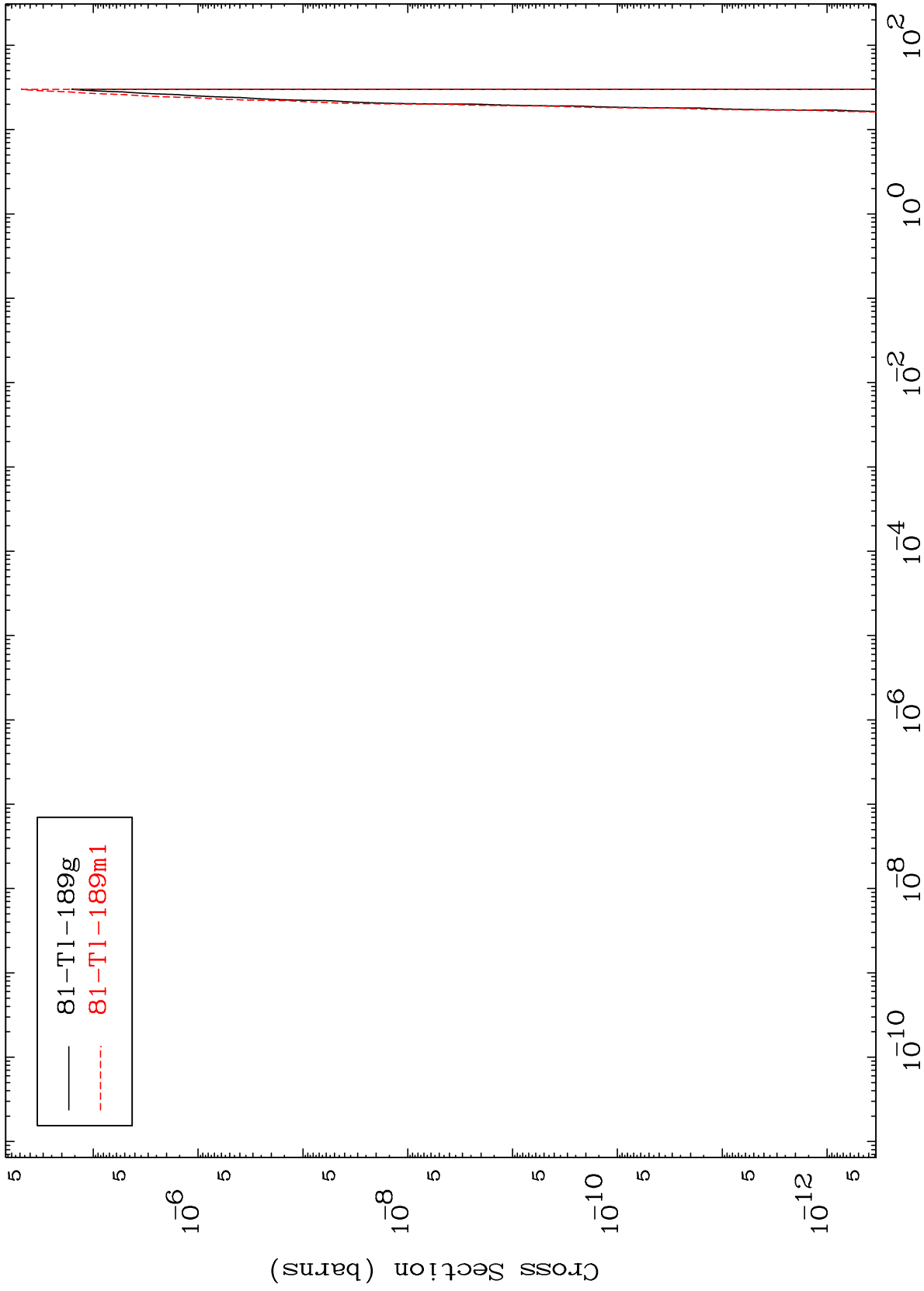
83-Bi-193

MAT 8277

( $\alpha, 2\alpha$ )

83-Bi-193

Radionuclide Production Cross Section



22

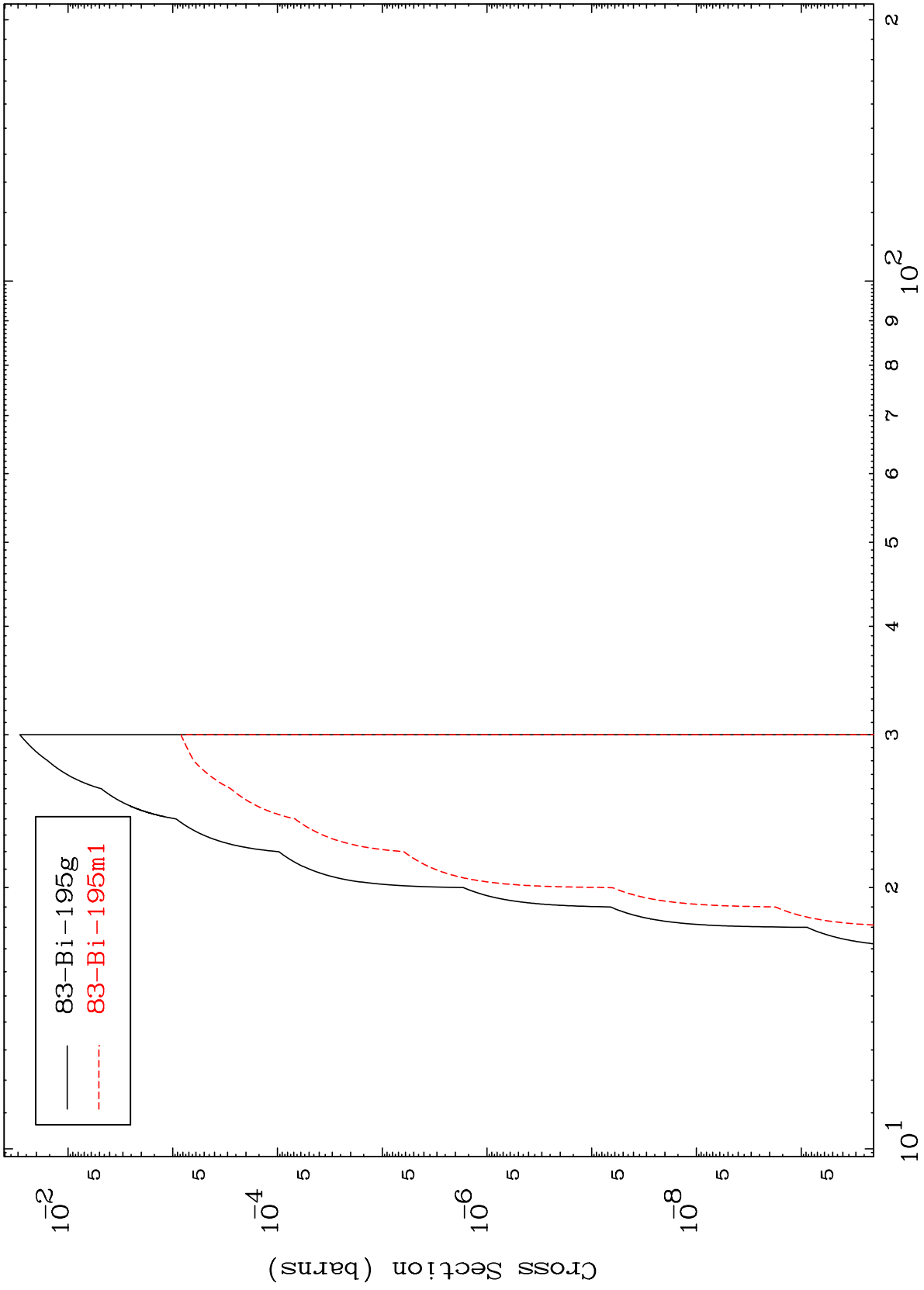
Incident Energy (MeV)

83-Bi-193

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83-Bi-193

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



83-Bi-195g  
83-Bi-195m1

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83-Bi-193

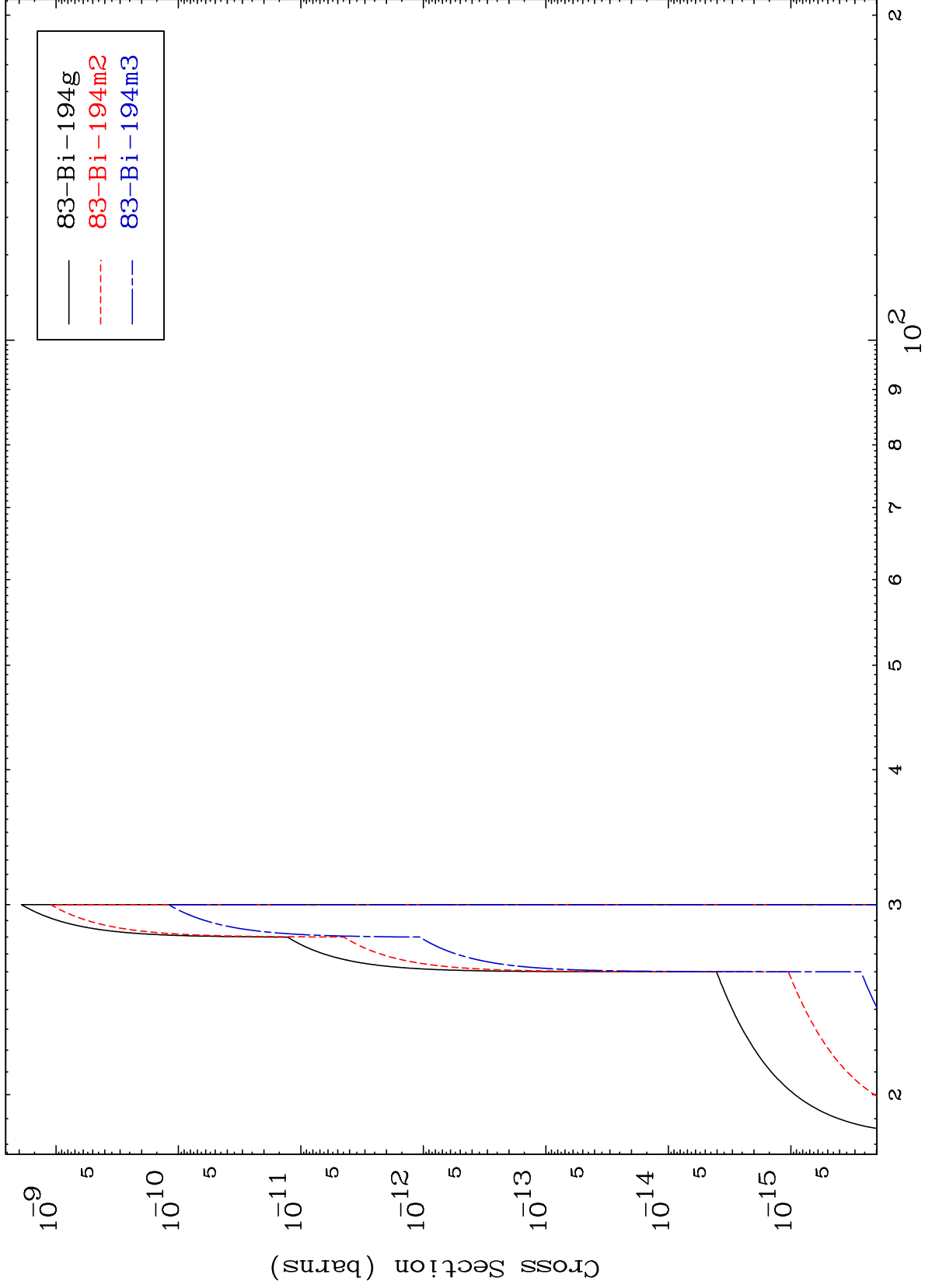


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( $\alpha, p$ ) d

83-Bi-193

Radionuclide Production Cross Section



24

Incident Energy (MeV)

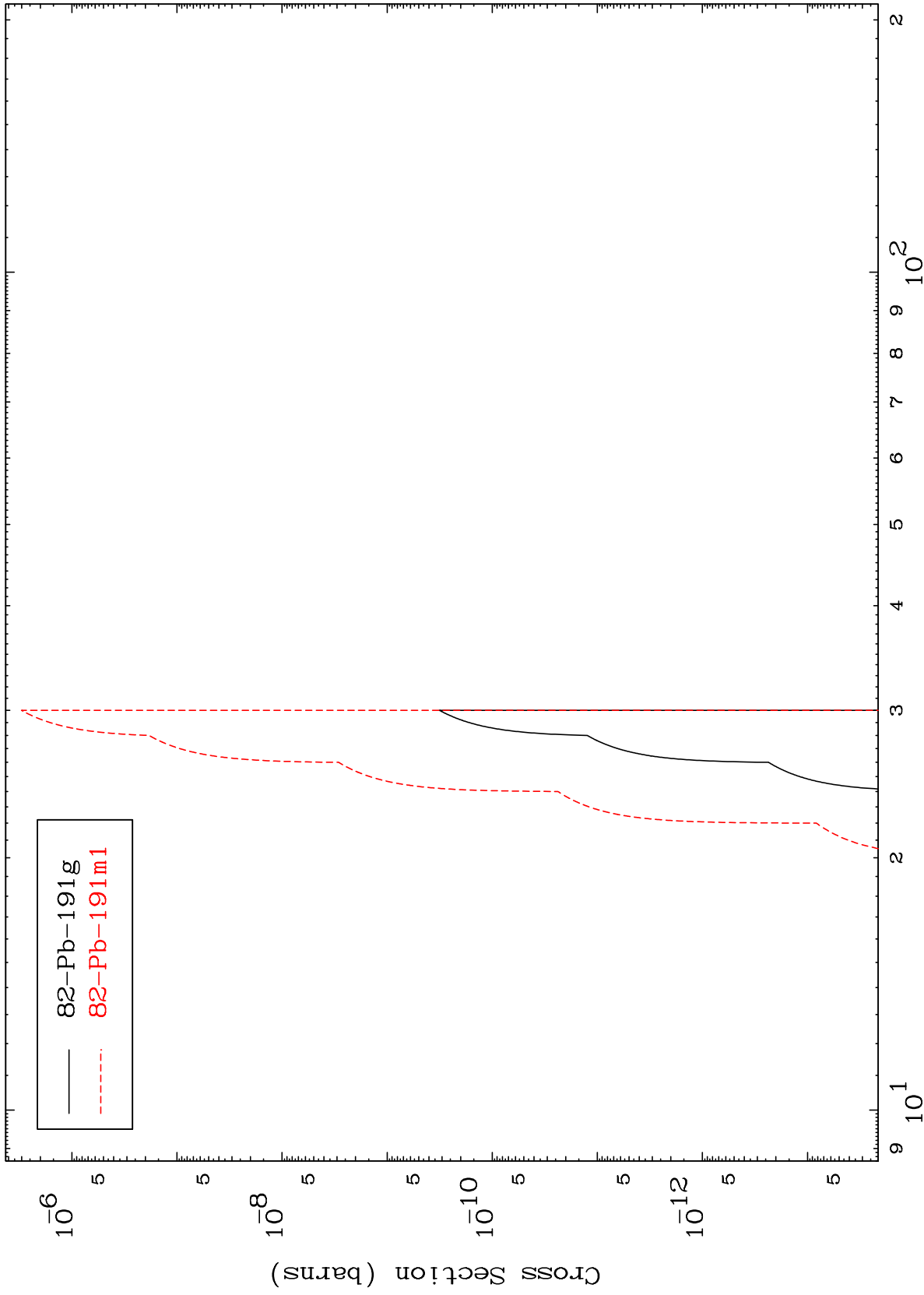
83-Bi-193

MAT 8277

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

83-Bi-193

Radionuclide Production Cross Section



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