

Program EVALPLOT  
(Version 2021-1)

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

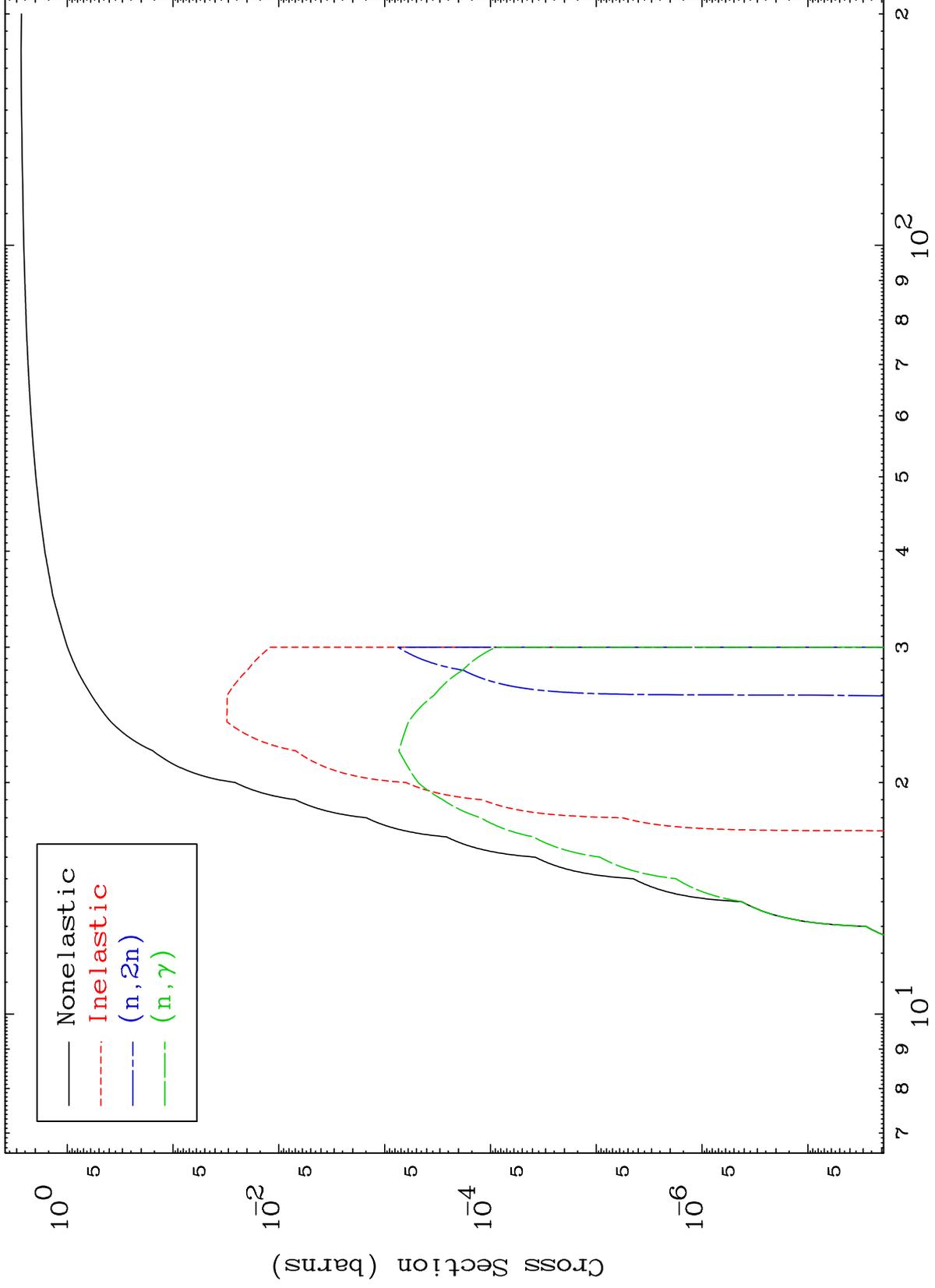
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8283

0 Kelvin Cross Sections

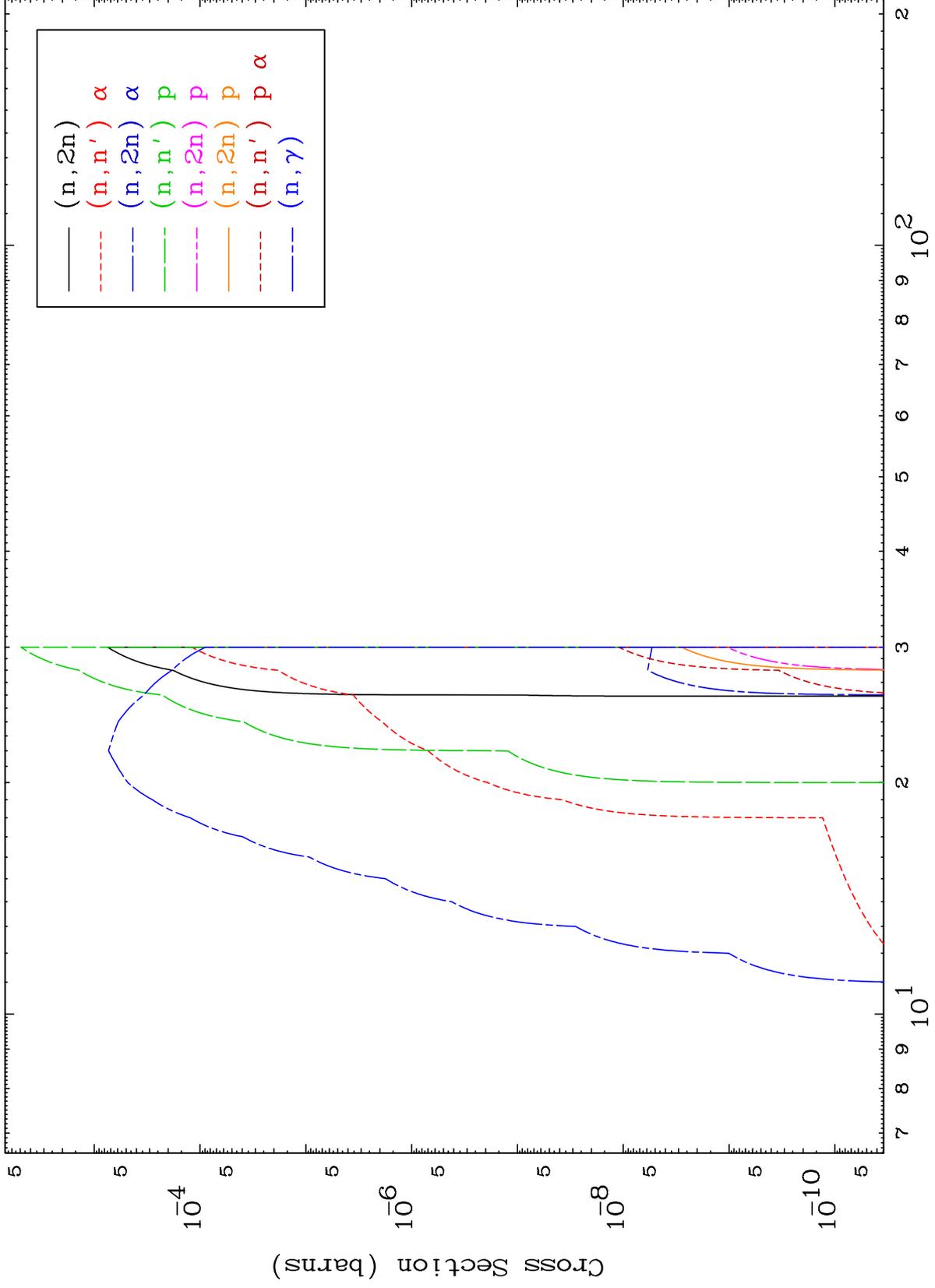
83-Bi-195



1

Incident Energy (MeV)

83-Bi-195

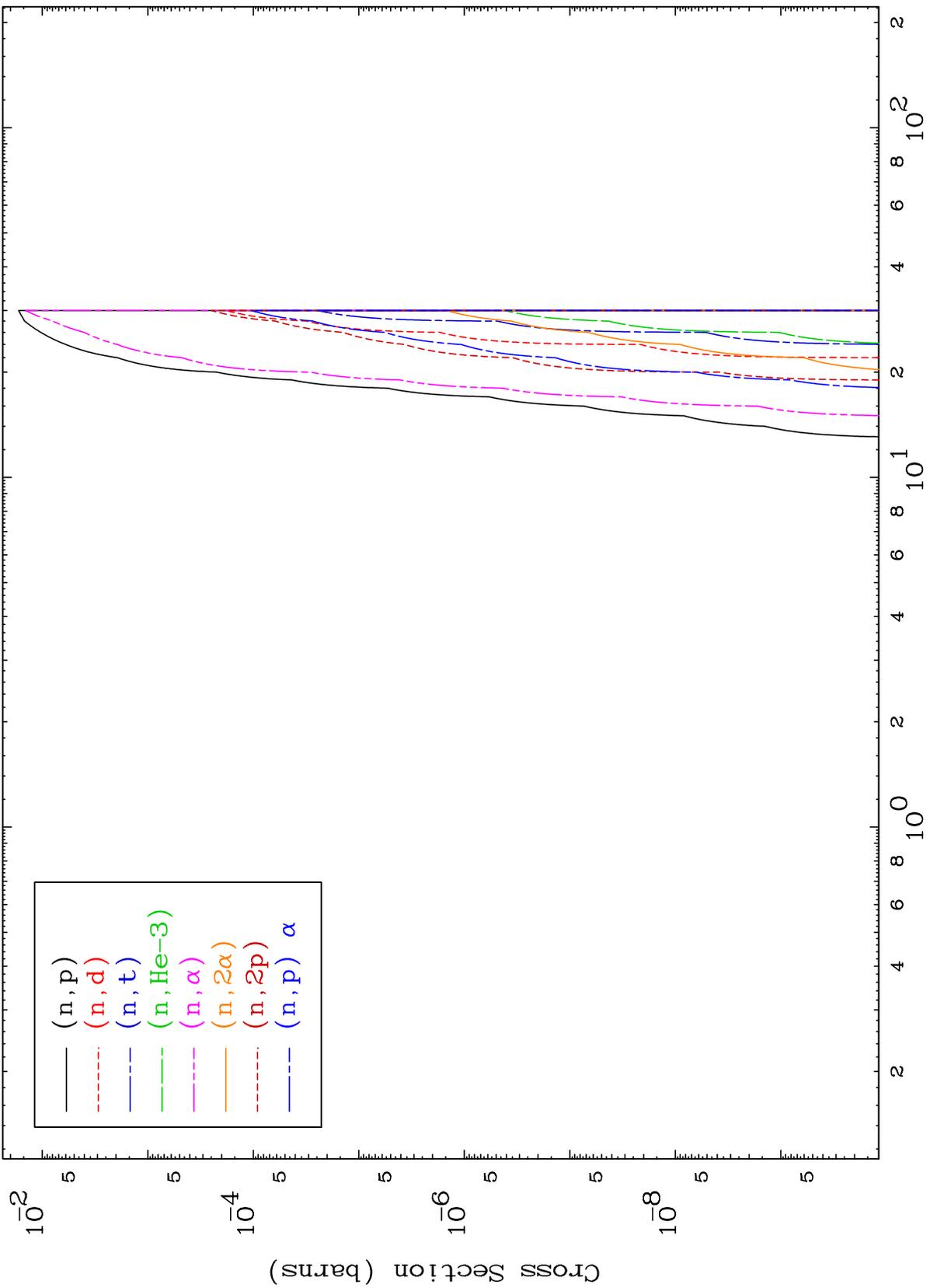


MAT 8283

$\alpha$  Neutron Absorption

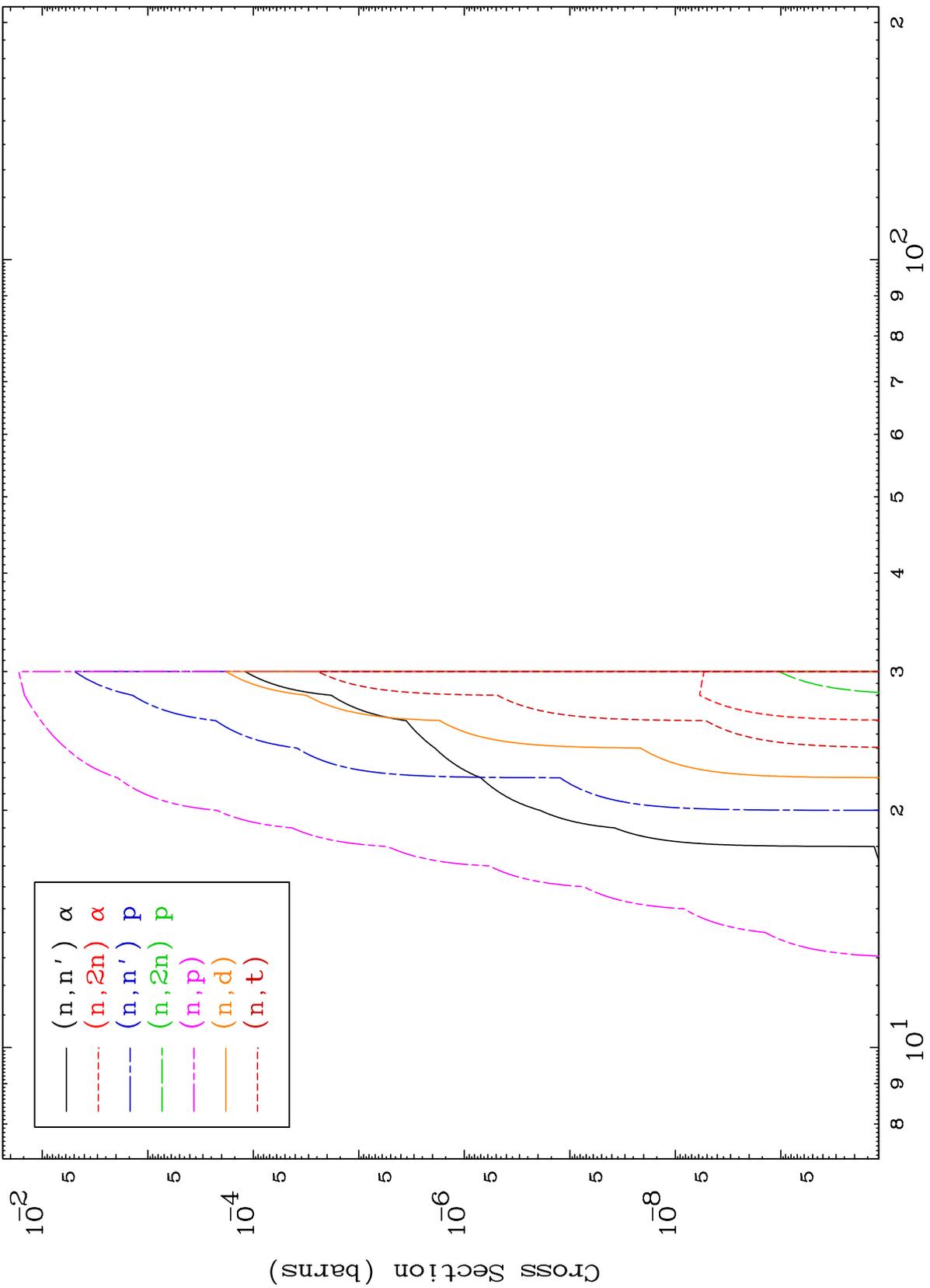
83-Bi-195

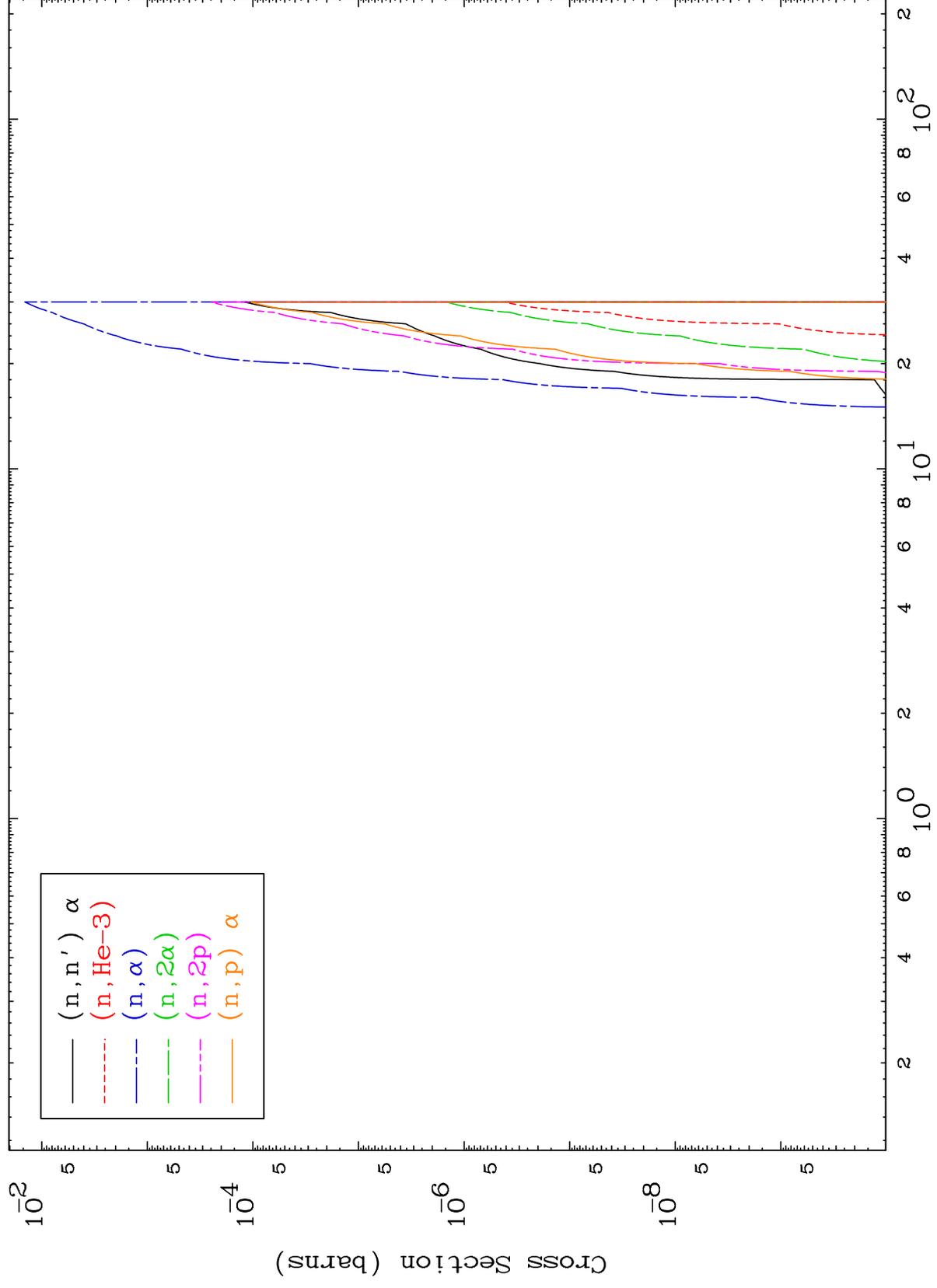
0 Kelvin Cross Sections



83-Bi-195

Incident Energy (MeV)

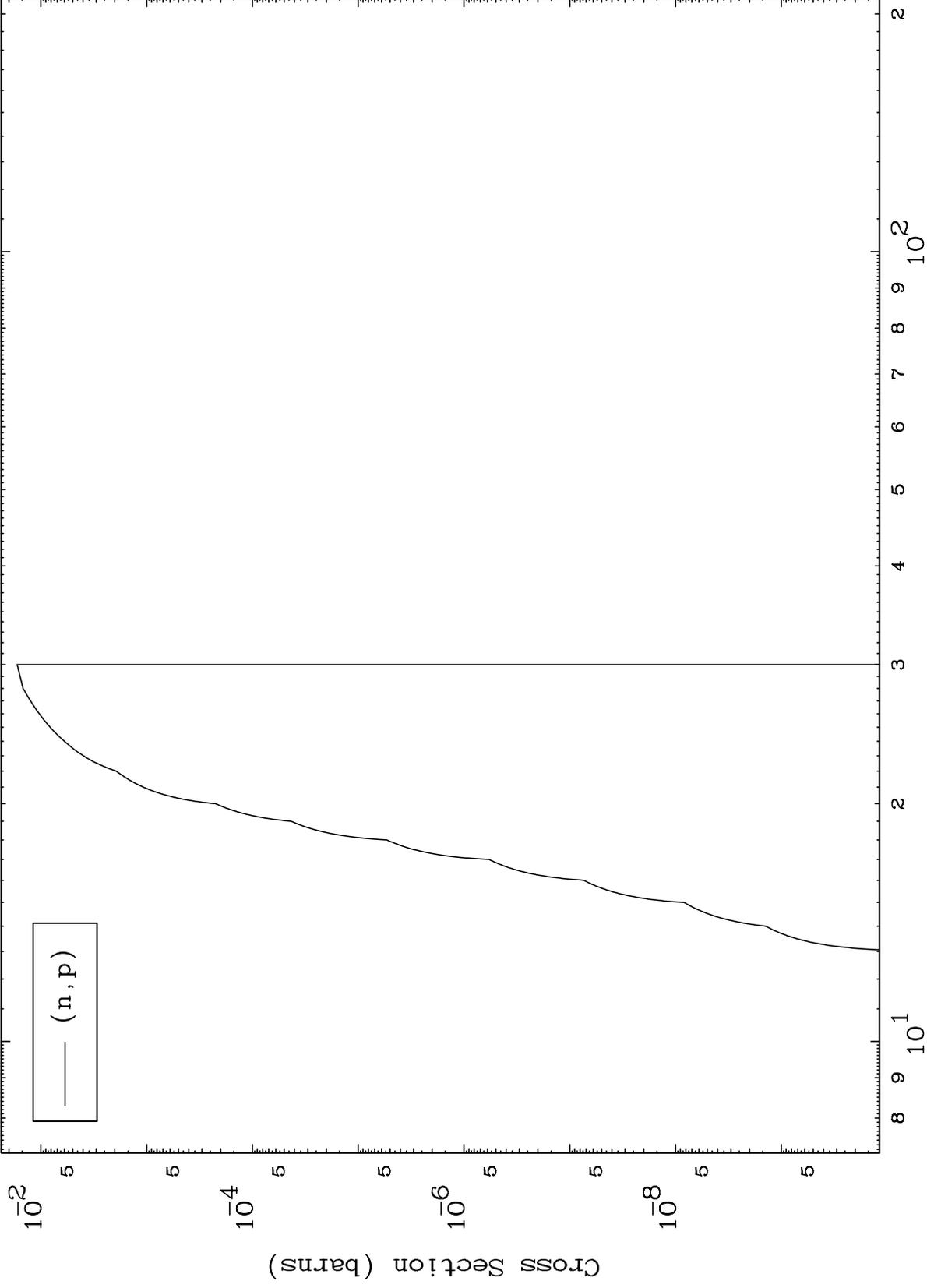




MAT 8283

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

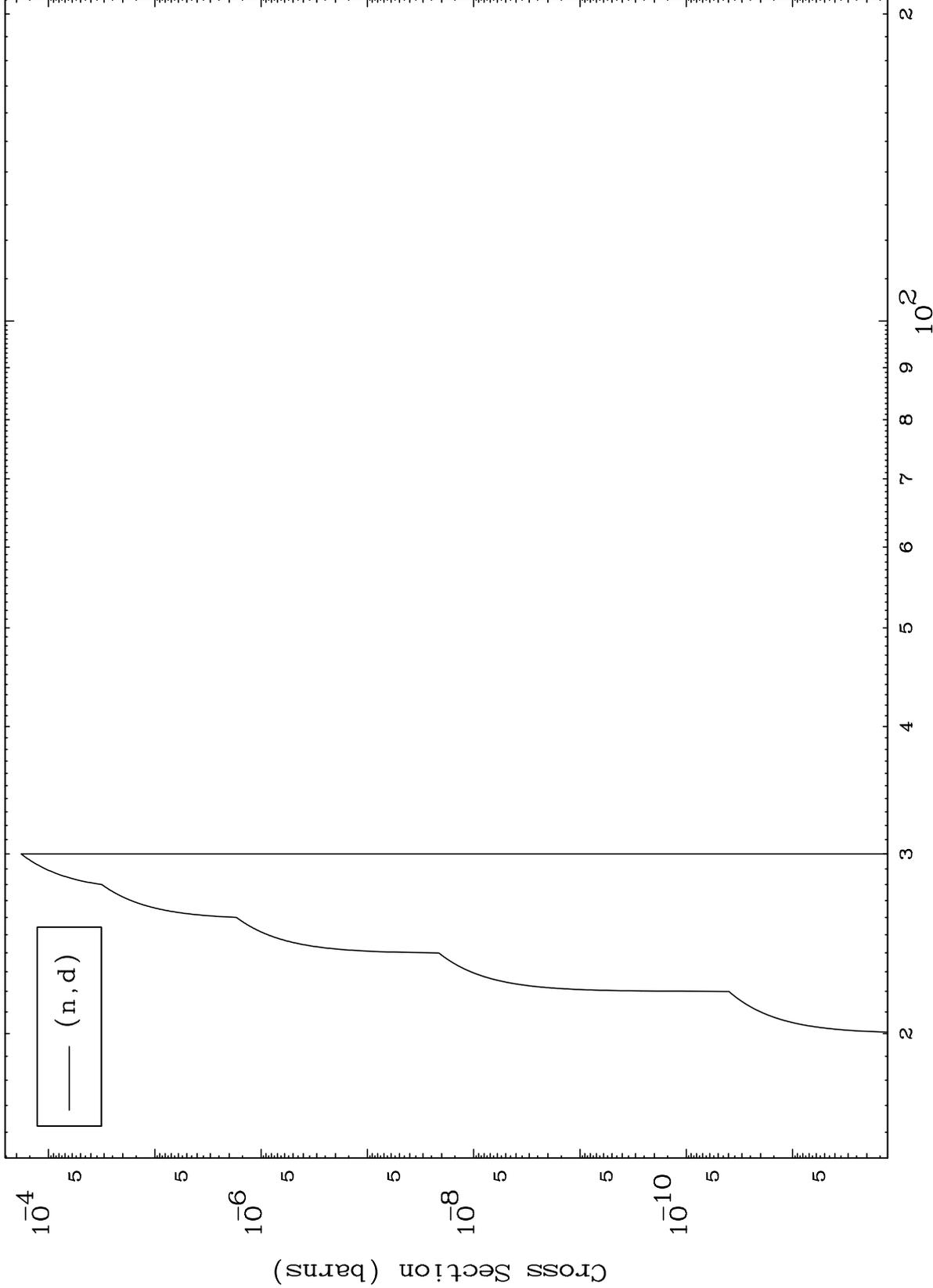
83-Bi-195

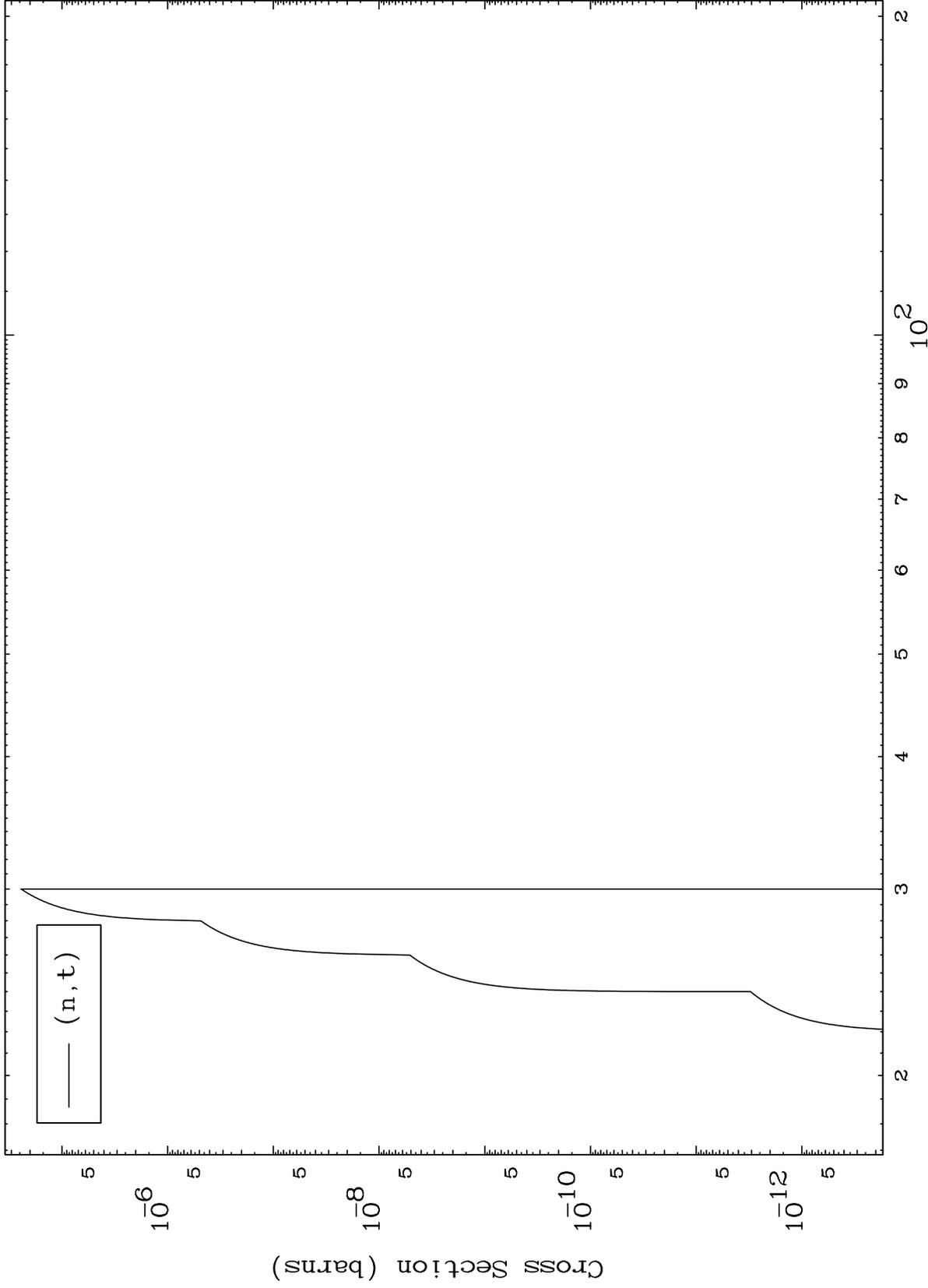


6

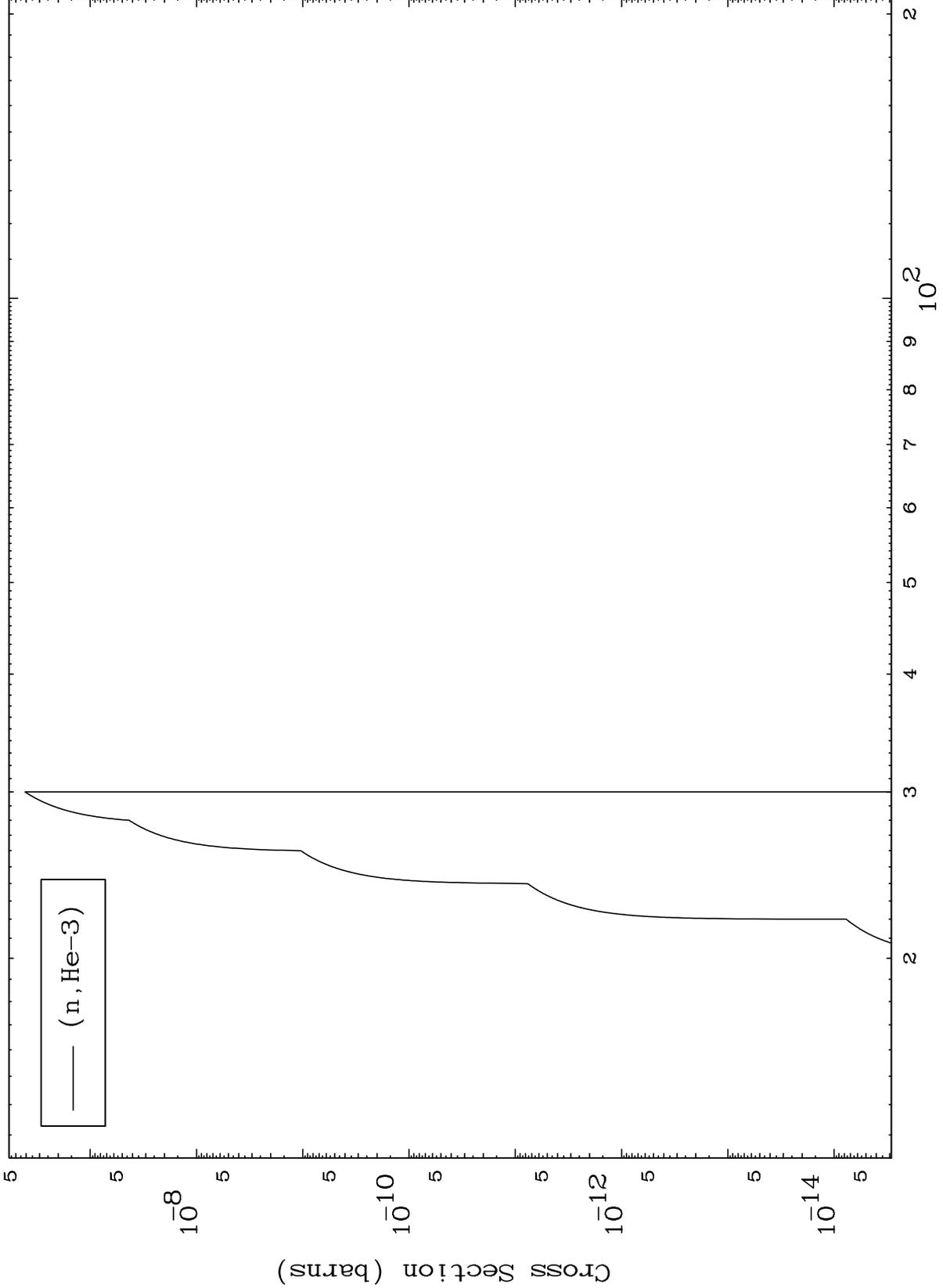
Incident Energy (MeV)

83-Bi-195





0 Kelvin Cross Sections



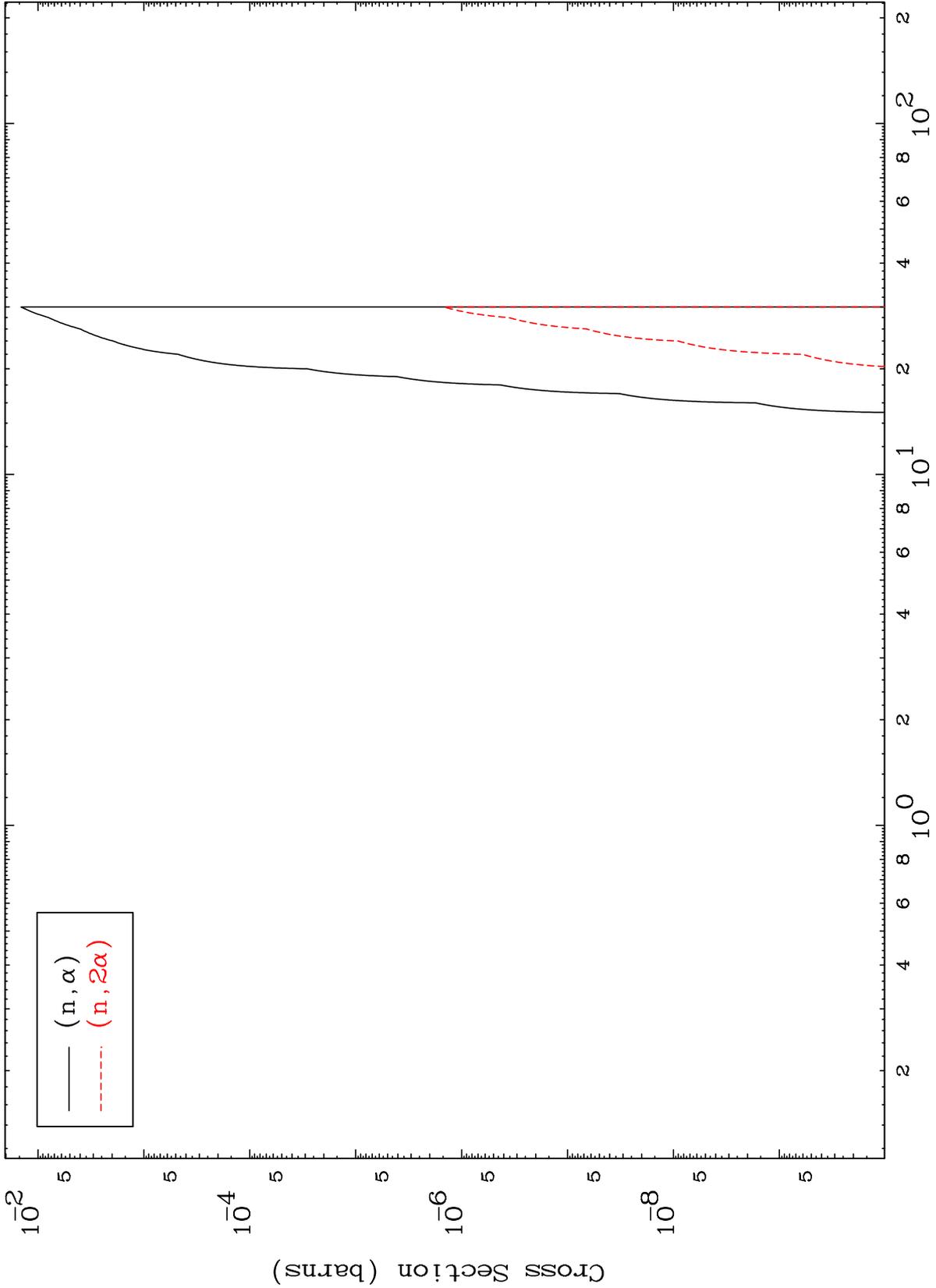
(n, He-3)

MAT 8283

( $\alpha, \alpha$ ) Levels

83-Bi-195

0 Kelvin Cross Sections



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

10

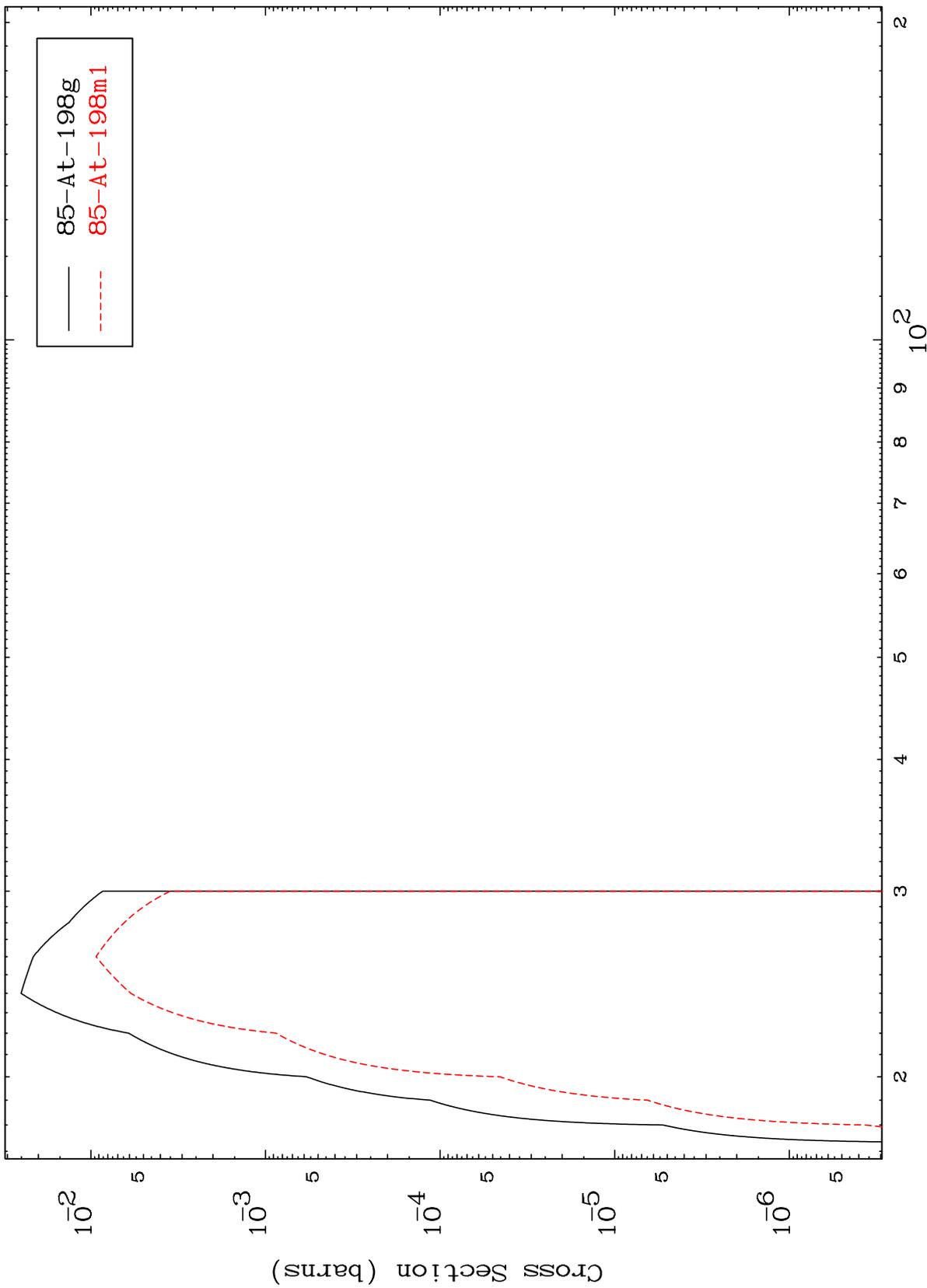
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

Inelastic  
Radionuclide Production Cross Section



11

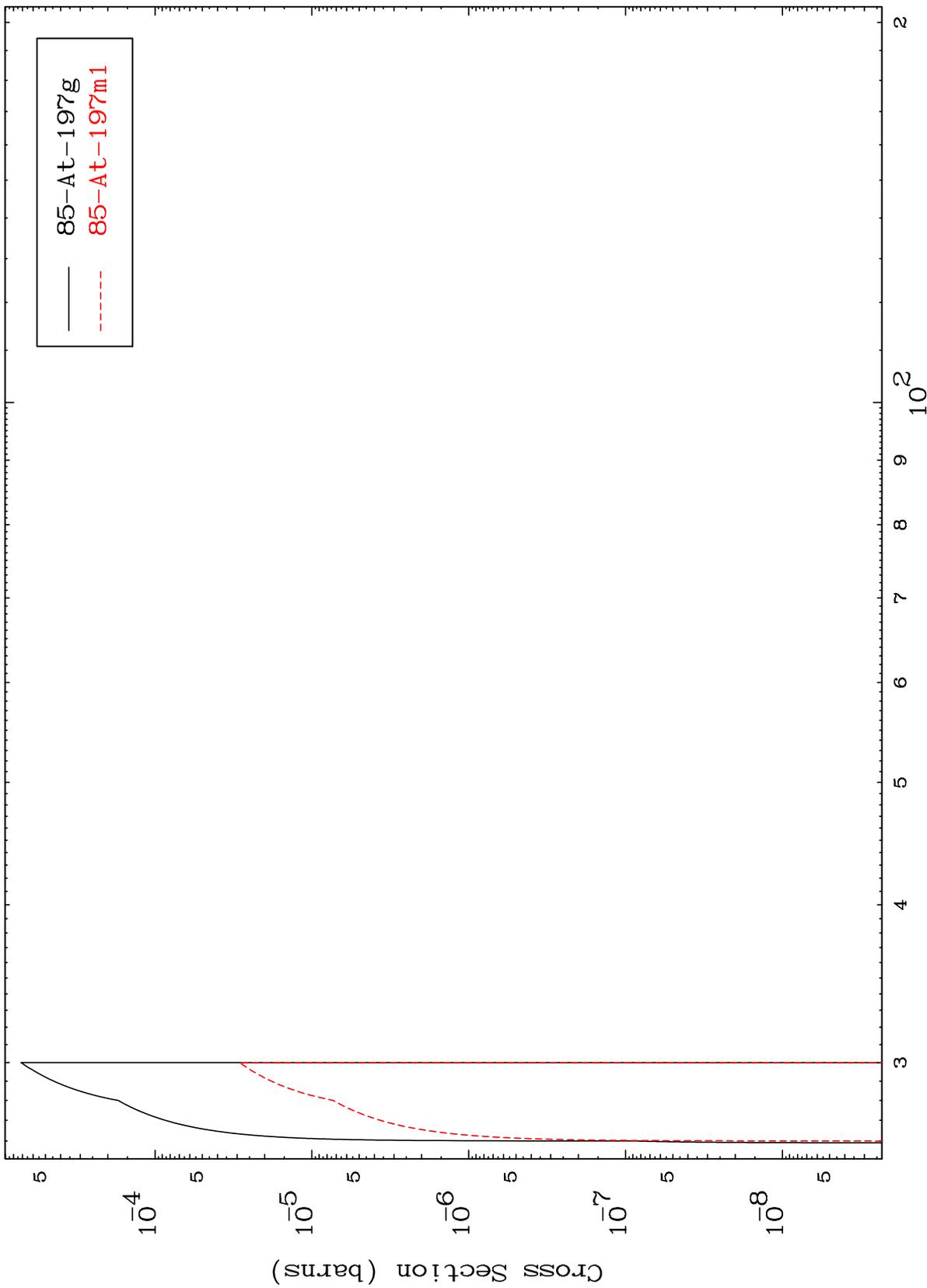
83-Bi-195

Incident Energy (MeV)

MAT 8283

83-Bi-195

(n,2n)  
Radionuclide Production Cross Section



12

83-Bi-195

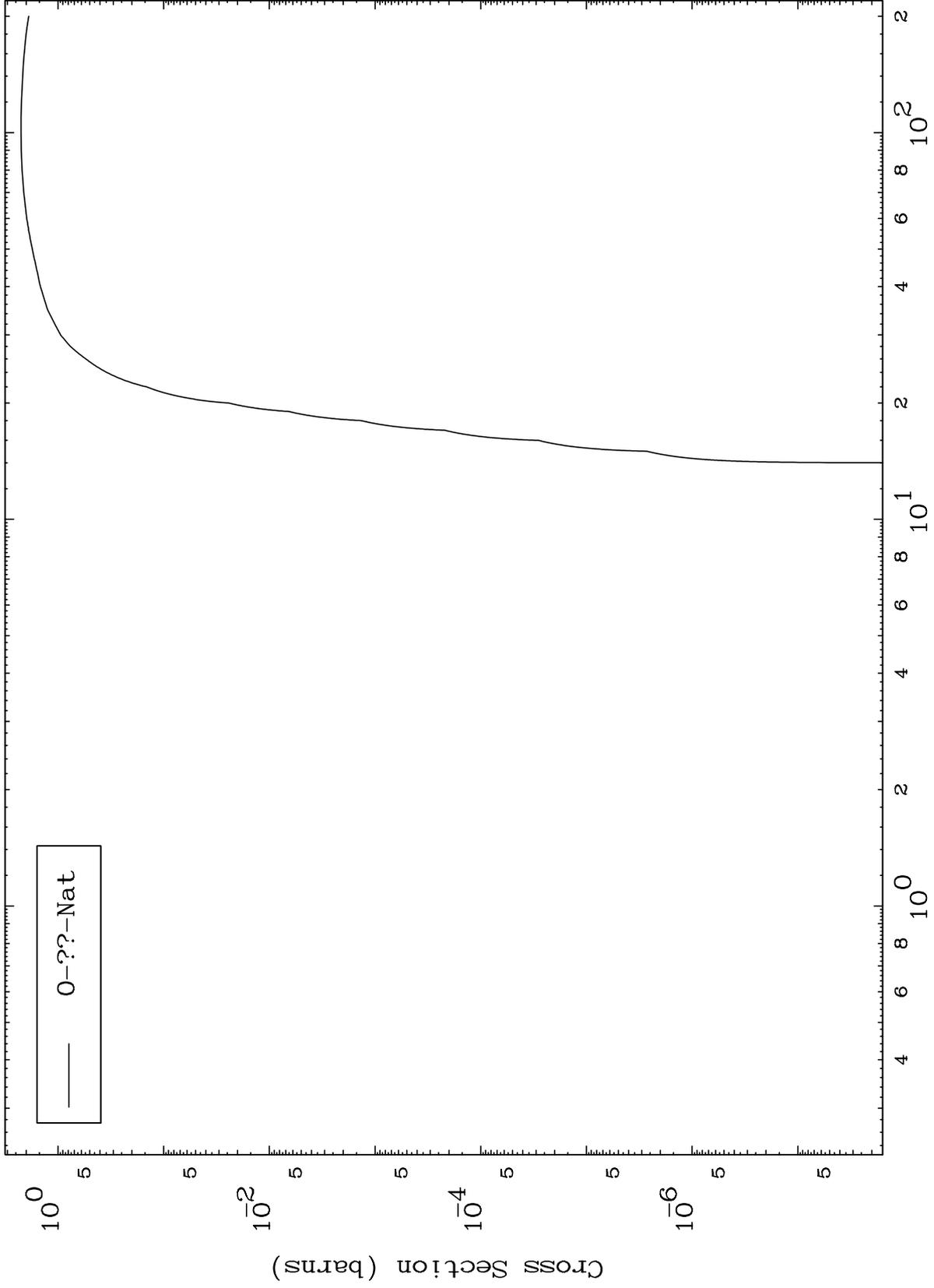
Incident Energy (MeV)

MAT 8283

Fission

83-Bi-195

Radionuclide Production Cross Section



13

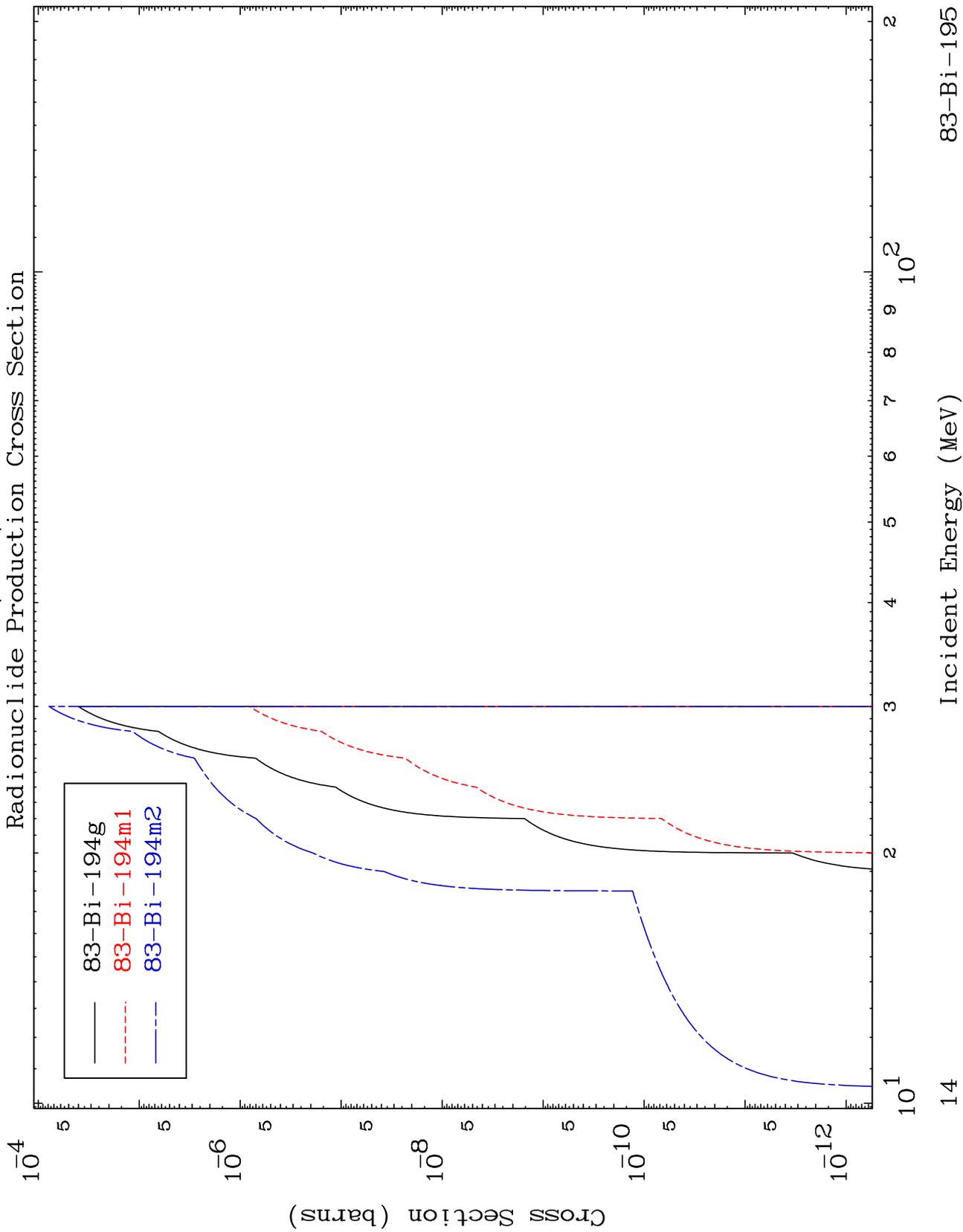
Incident Energy (MeV)

83-Bi-195

MAT 8283

$(n, n') \alpha$

83-Bi-195



83-Bi-195

Incident Energy (MeV)

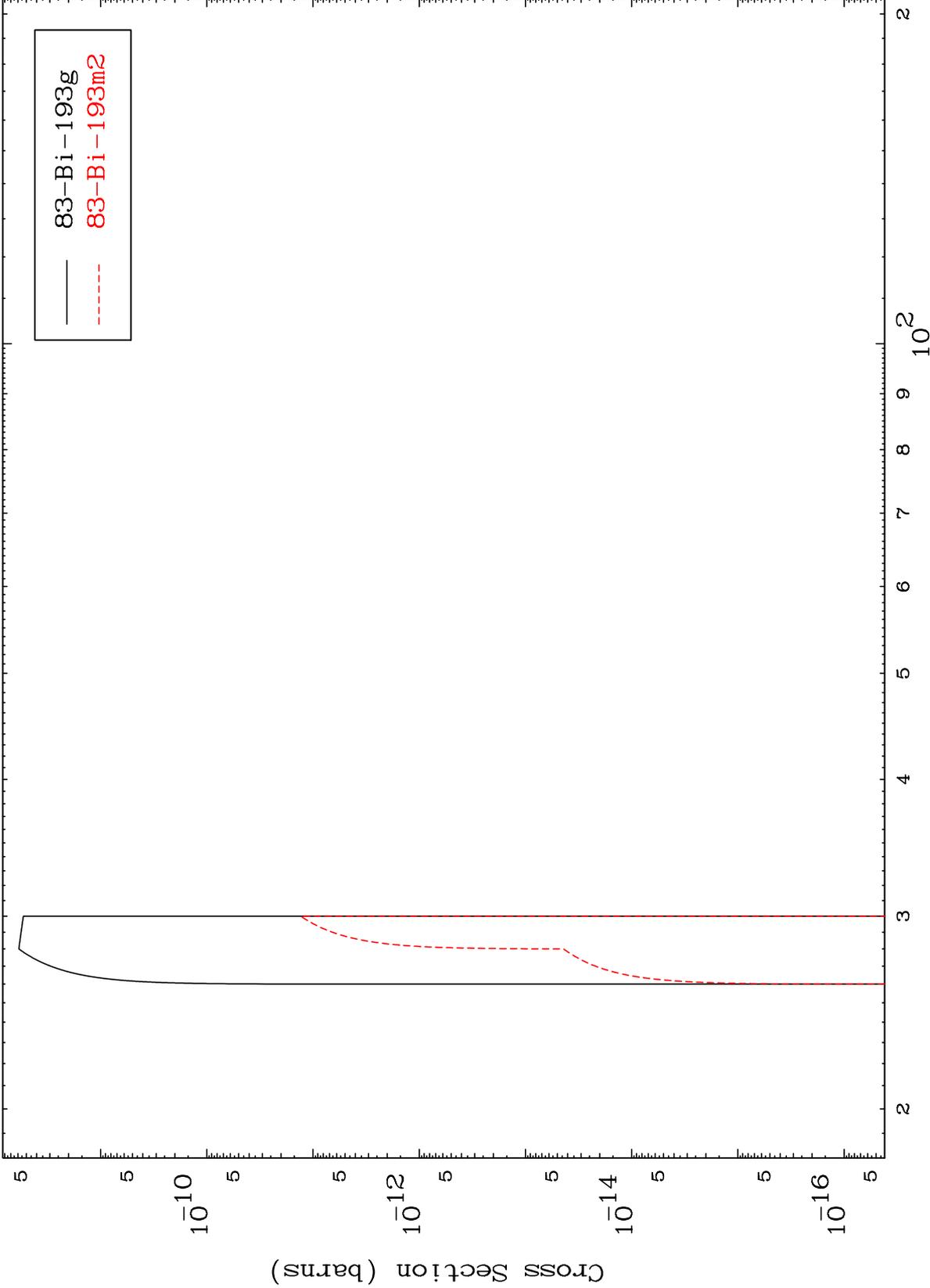
14

MAT 8283

$(n,2n) \alpha$

83-Bi-195

Radionuclide Production Cross Section

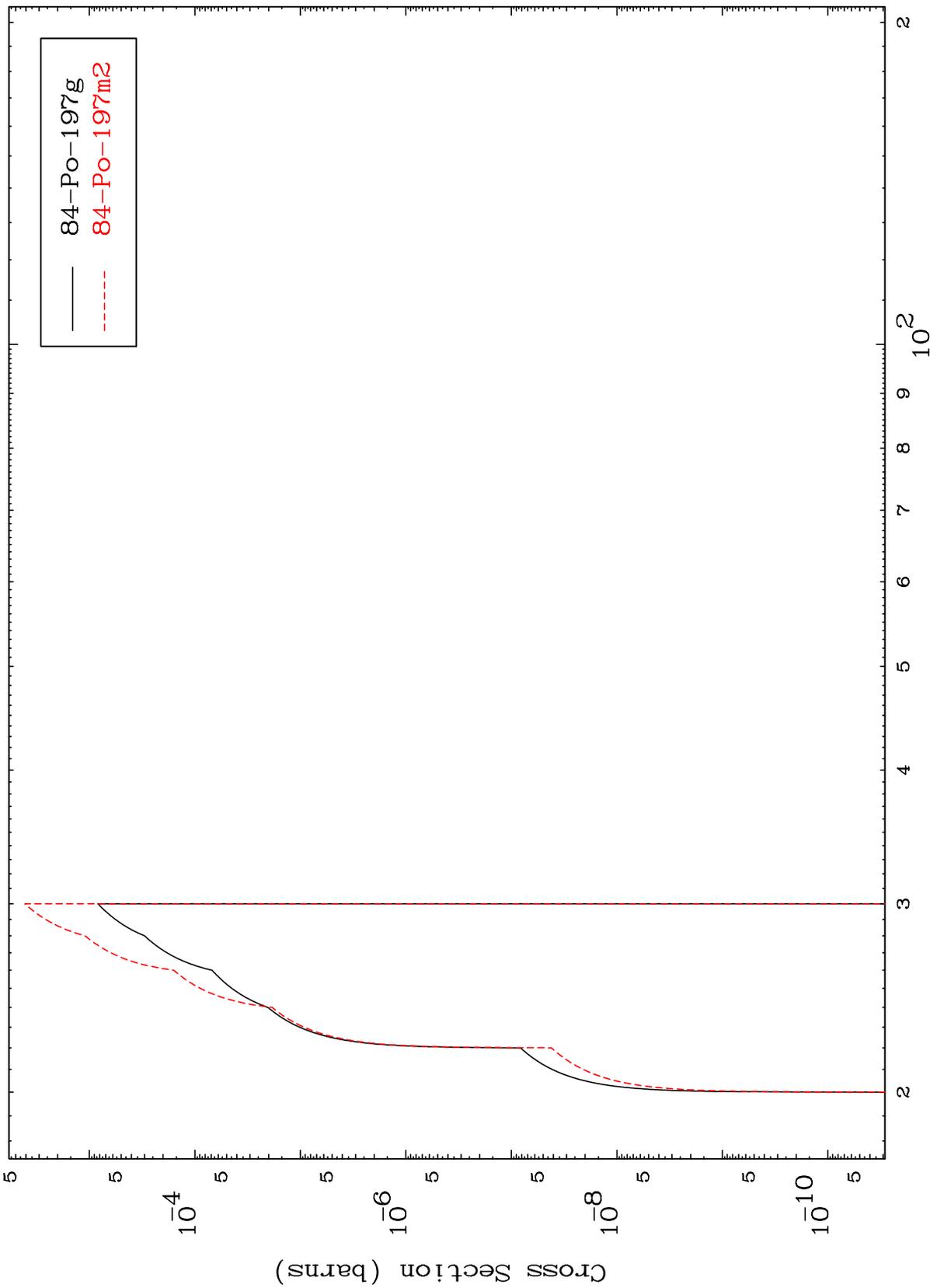


15

Incident Energy (MeV)

83-Bi-195

Radionuclide Production Cross Section

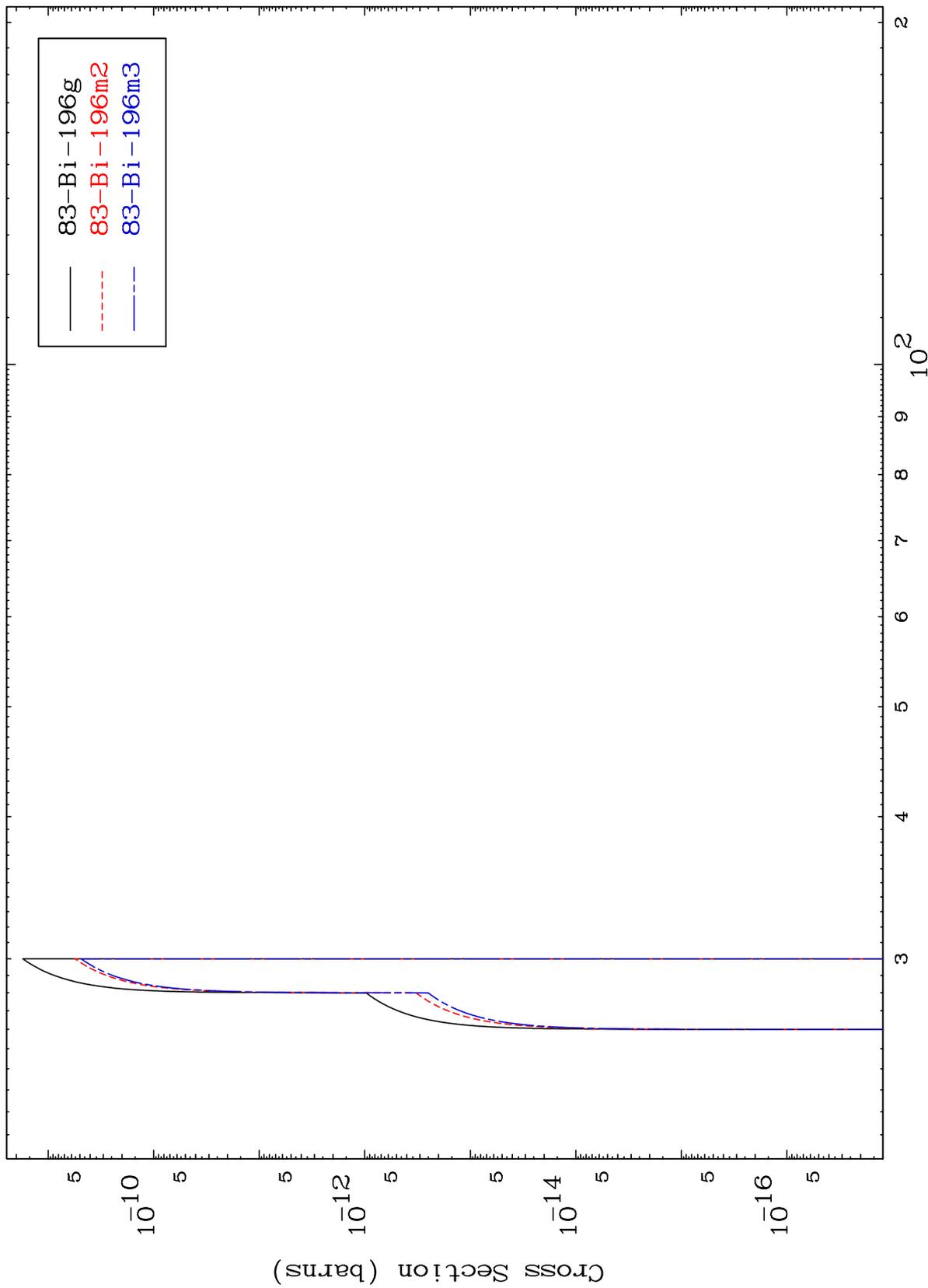


MAT 8283

<sup>83</sup>Bi-195

(n,2n) p

Radionuclide Production Cross Section



17

<sup>83</sup>Bi-195

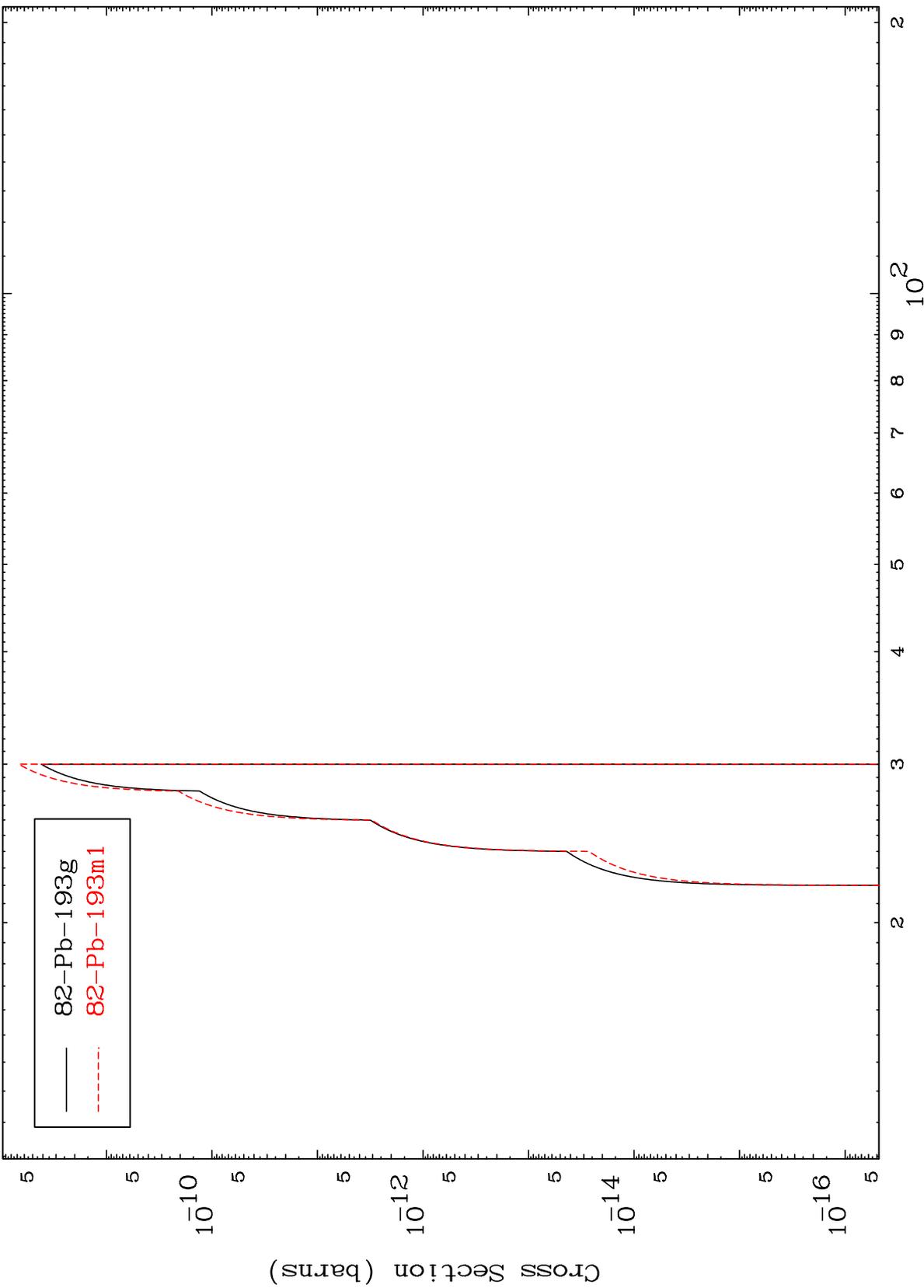
Incident Energy (MeV)

MAT 8283

(n,n') p  $\alpha$

83-Bi-195

Radionuclide Production Cross Section



18

Incident Energy (MeV)

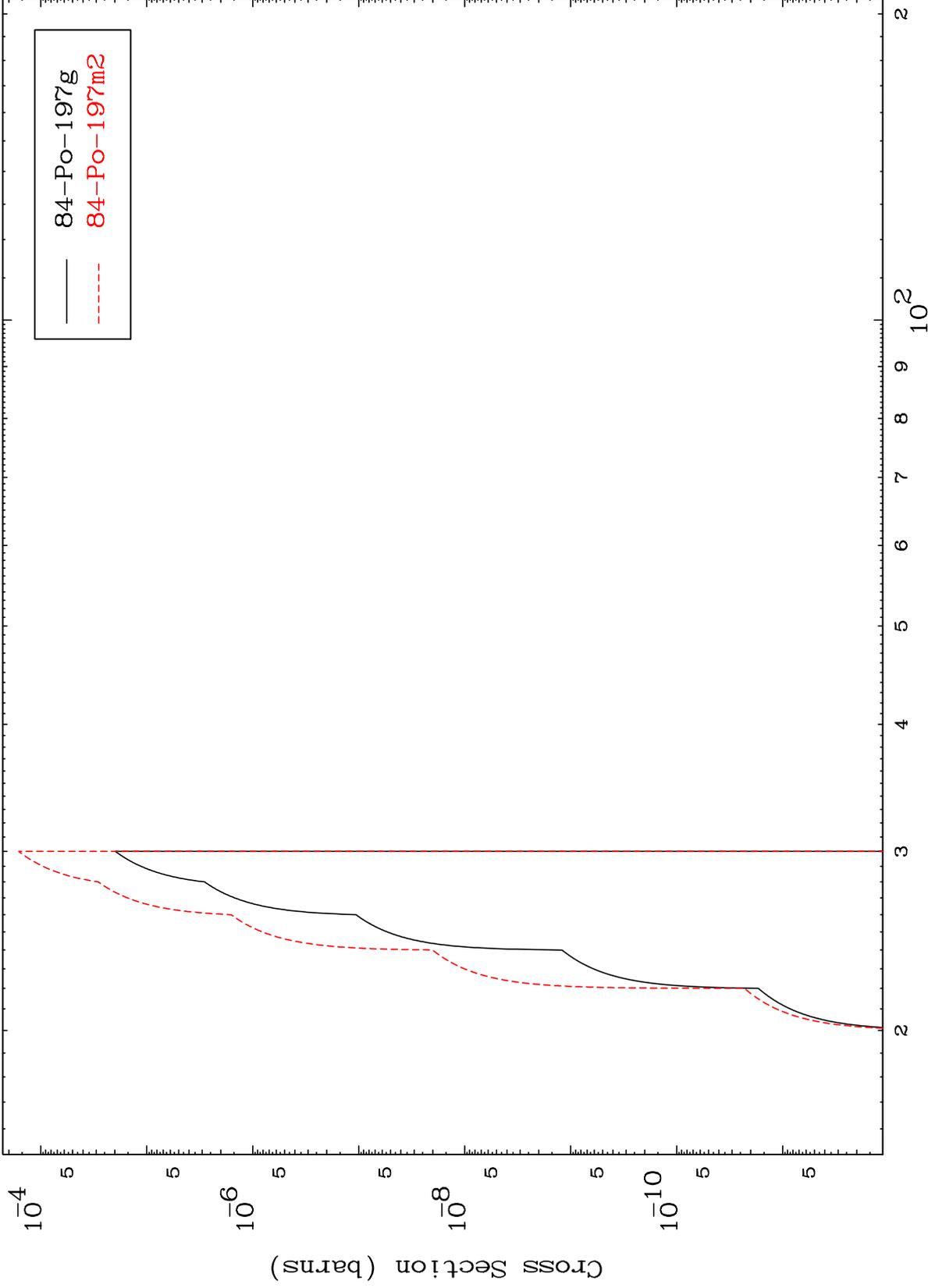
83-Bi-195

MAT 8283

(n,d)

83-Bi-195

Radionuclide Production Cross Section



19

Incident Energy (MeV)

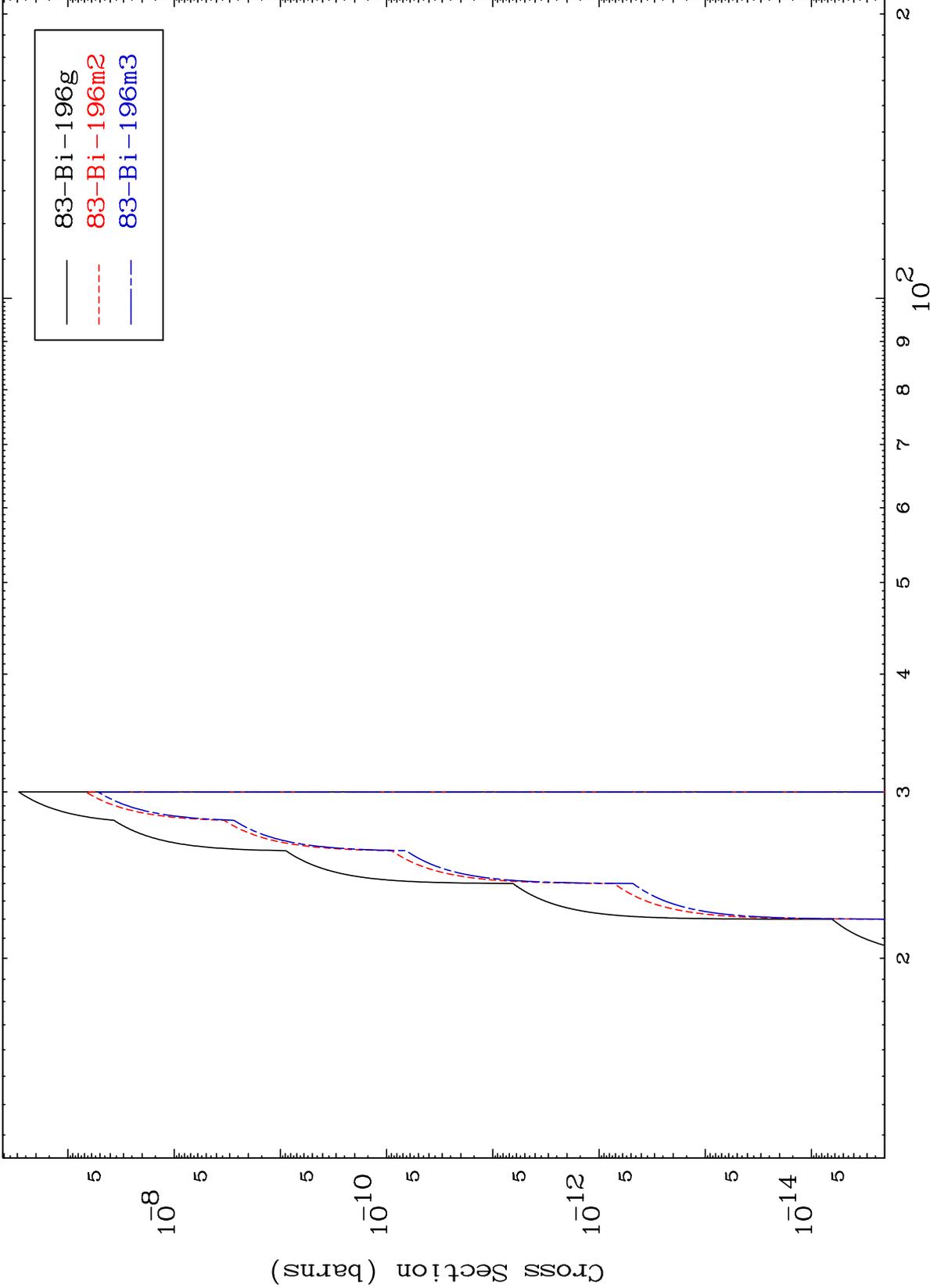
83-Bi-195

MAT 8283

(n,He-3)

83-Bi-195

Radionuclide Production Cross Section



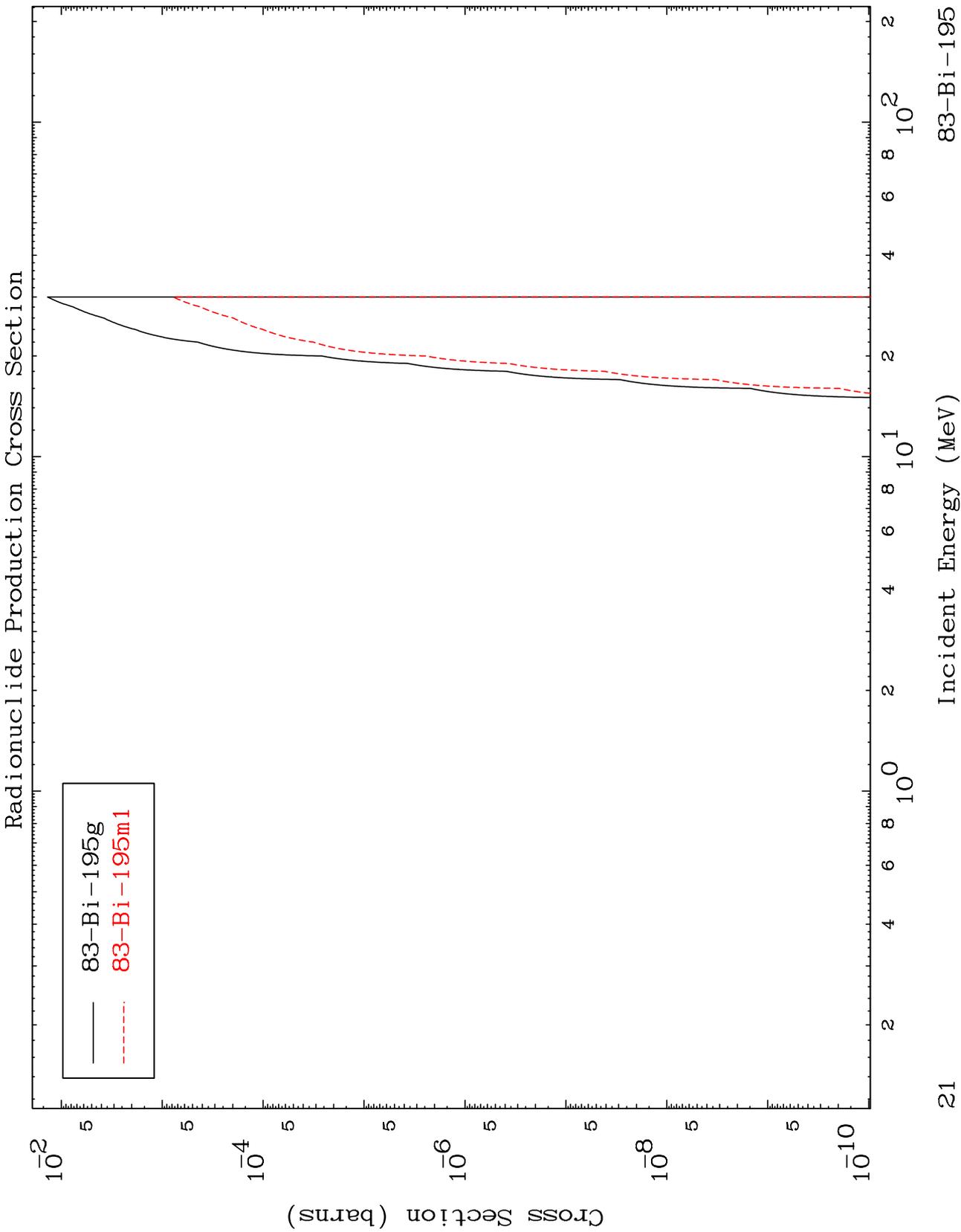
20

Incident Energy (MeV)

83-Bi-195

MAT 8283

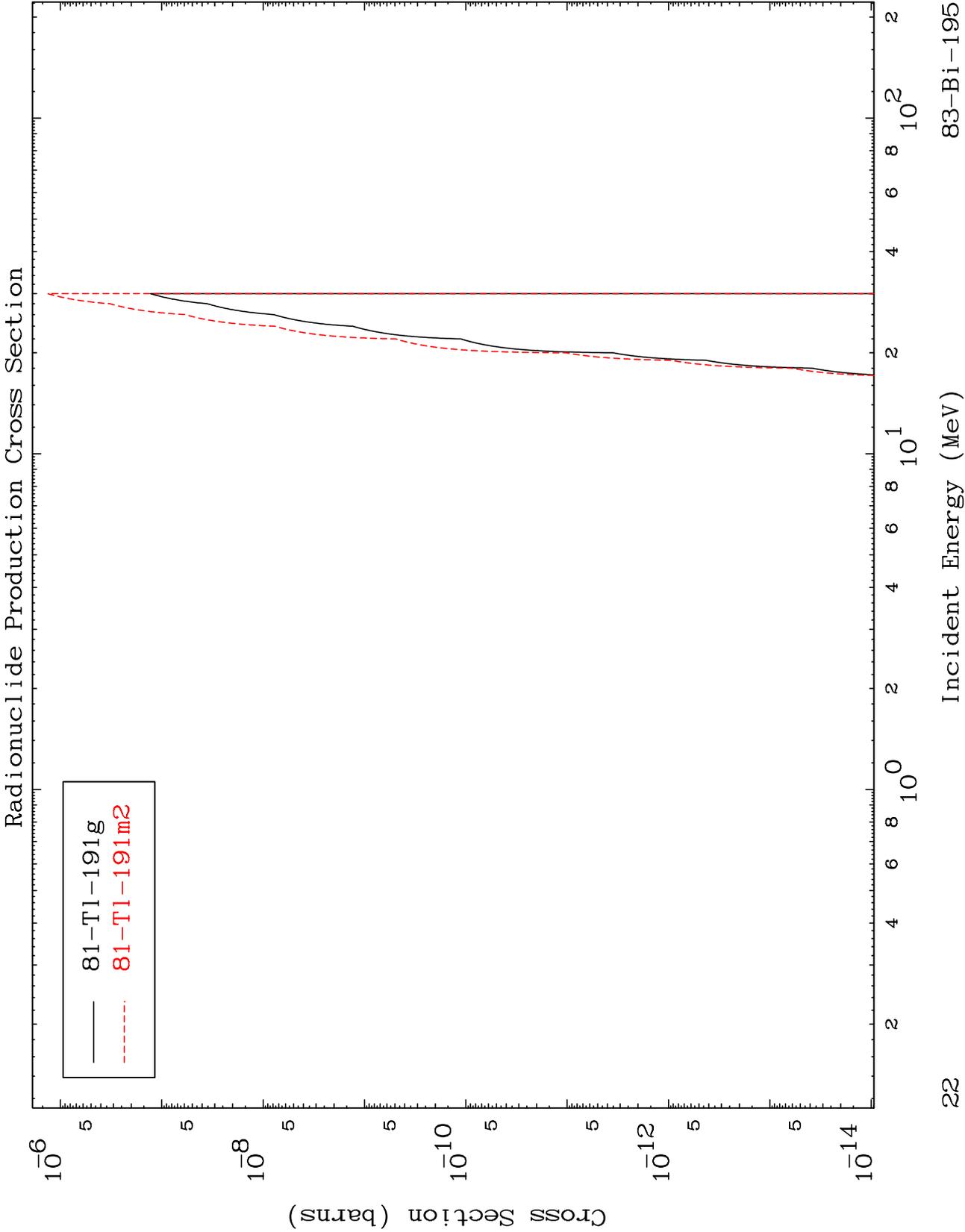
83-Bi-195



MAT 8283

(n,2α)

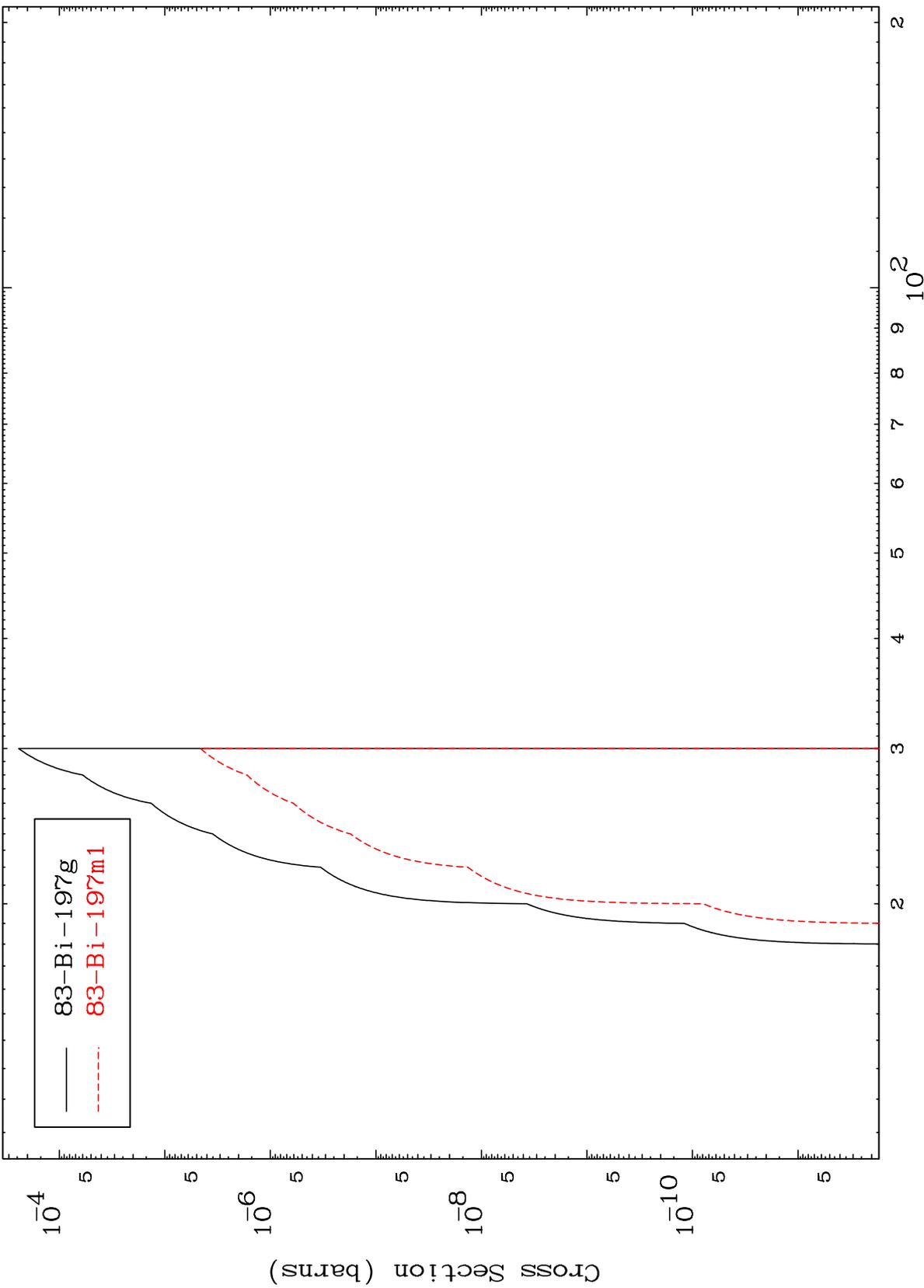
83-Bi-195



MAT 8283

83-Bi-195

(n,2p)  
Radionuclide Production Cross Section



23

83-Bi-195

Incident Energy (MeV)