

Program EVALPLOT  
(Version 2018-1)

by

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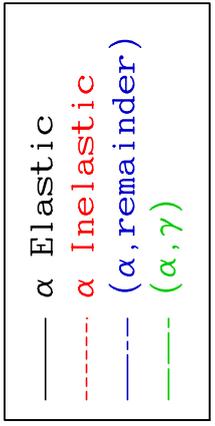
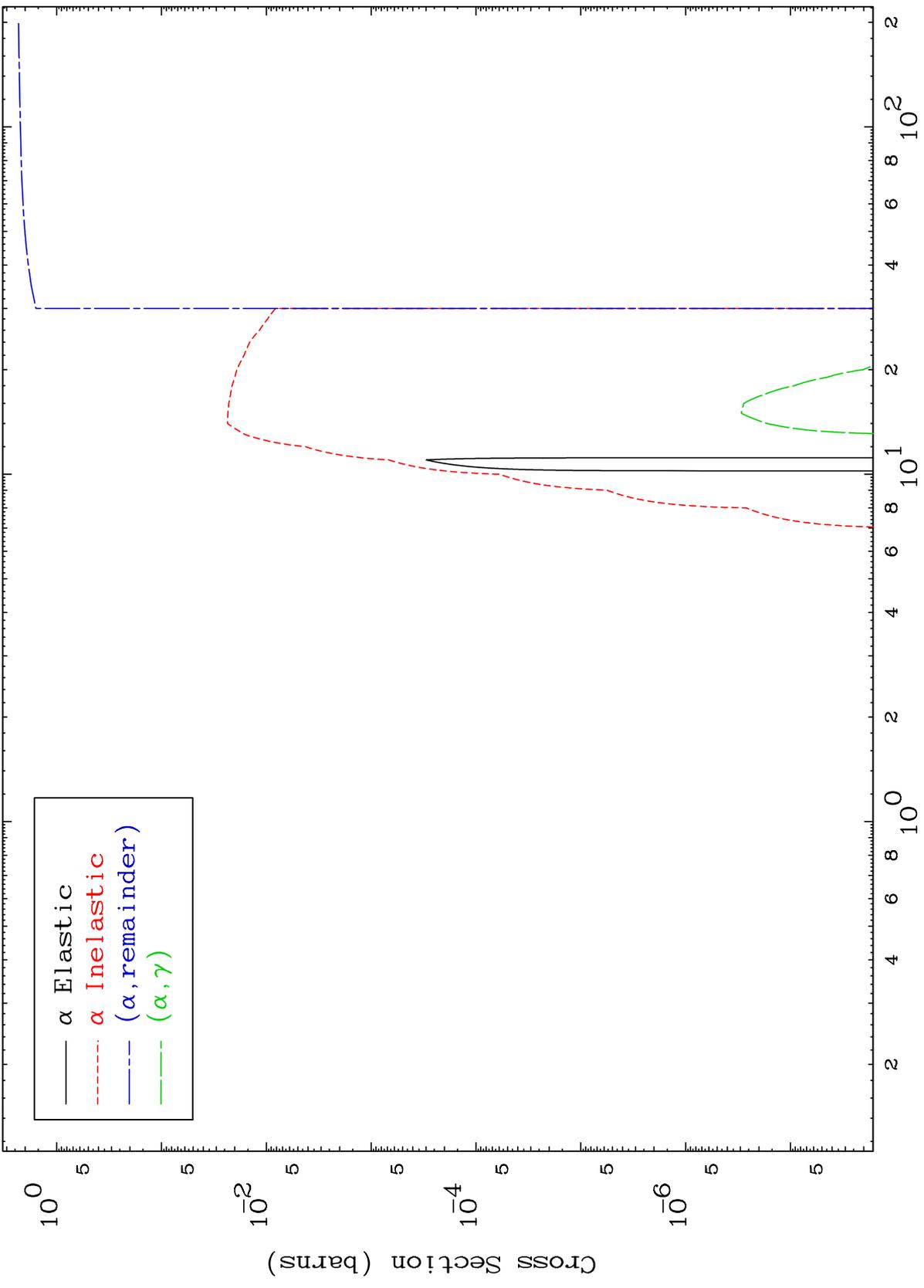
Press Mouse Button to Start

MAT 5083

$\alpha$  Major

50-Sn-131

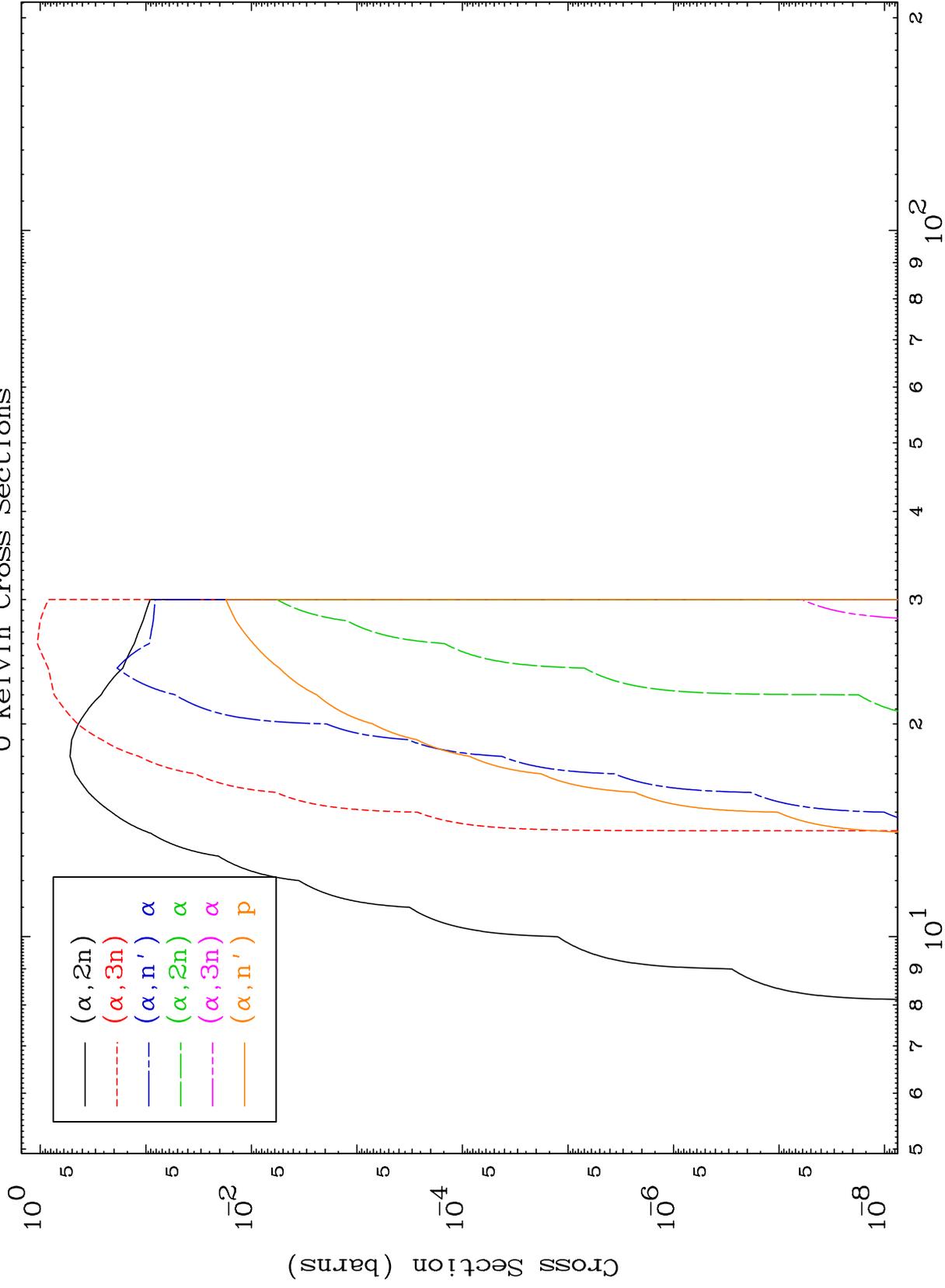
0 Kelvin Cross Sections



MAT 5083

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

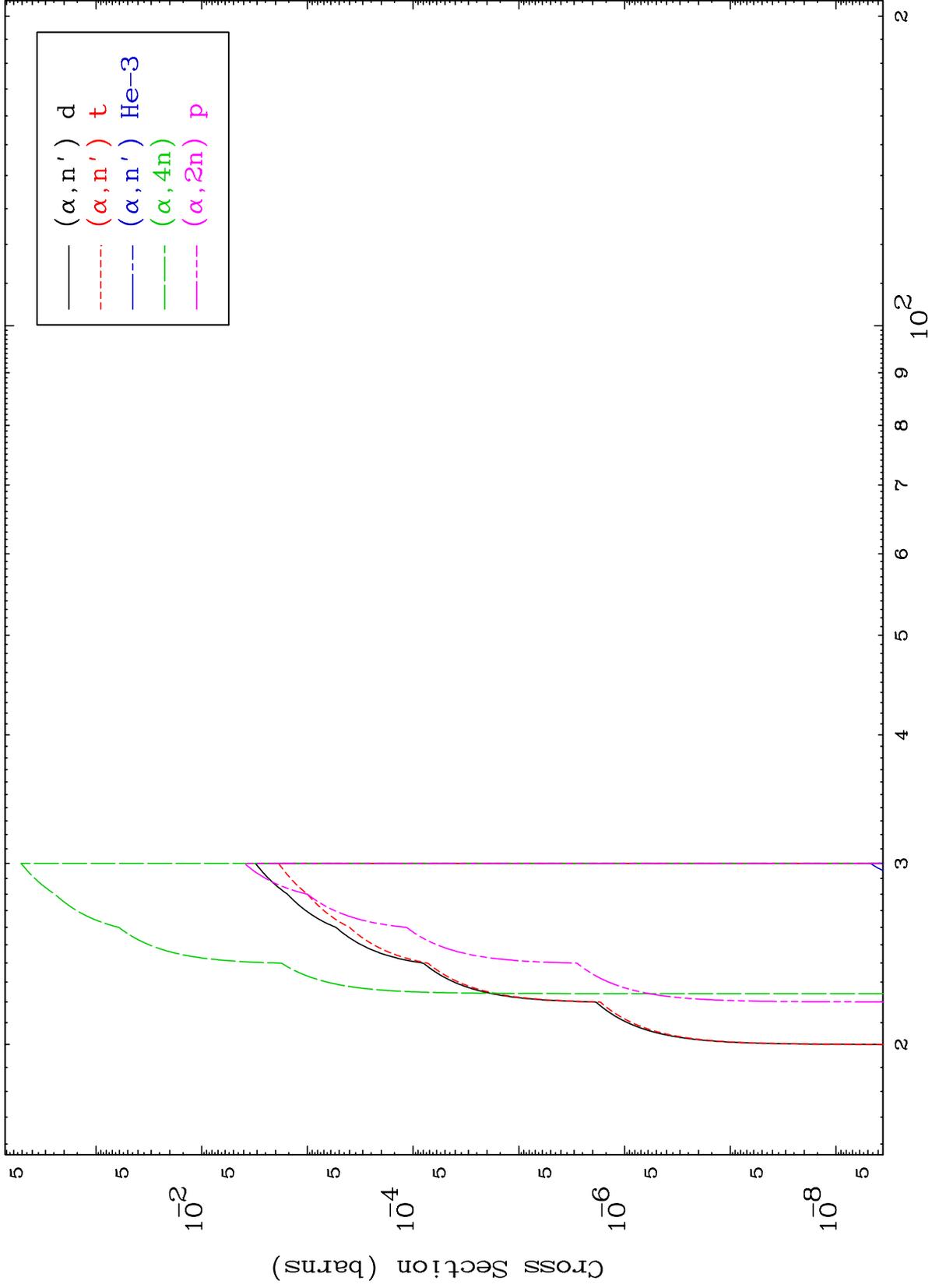
50-Sn-131

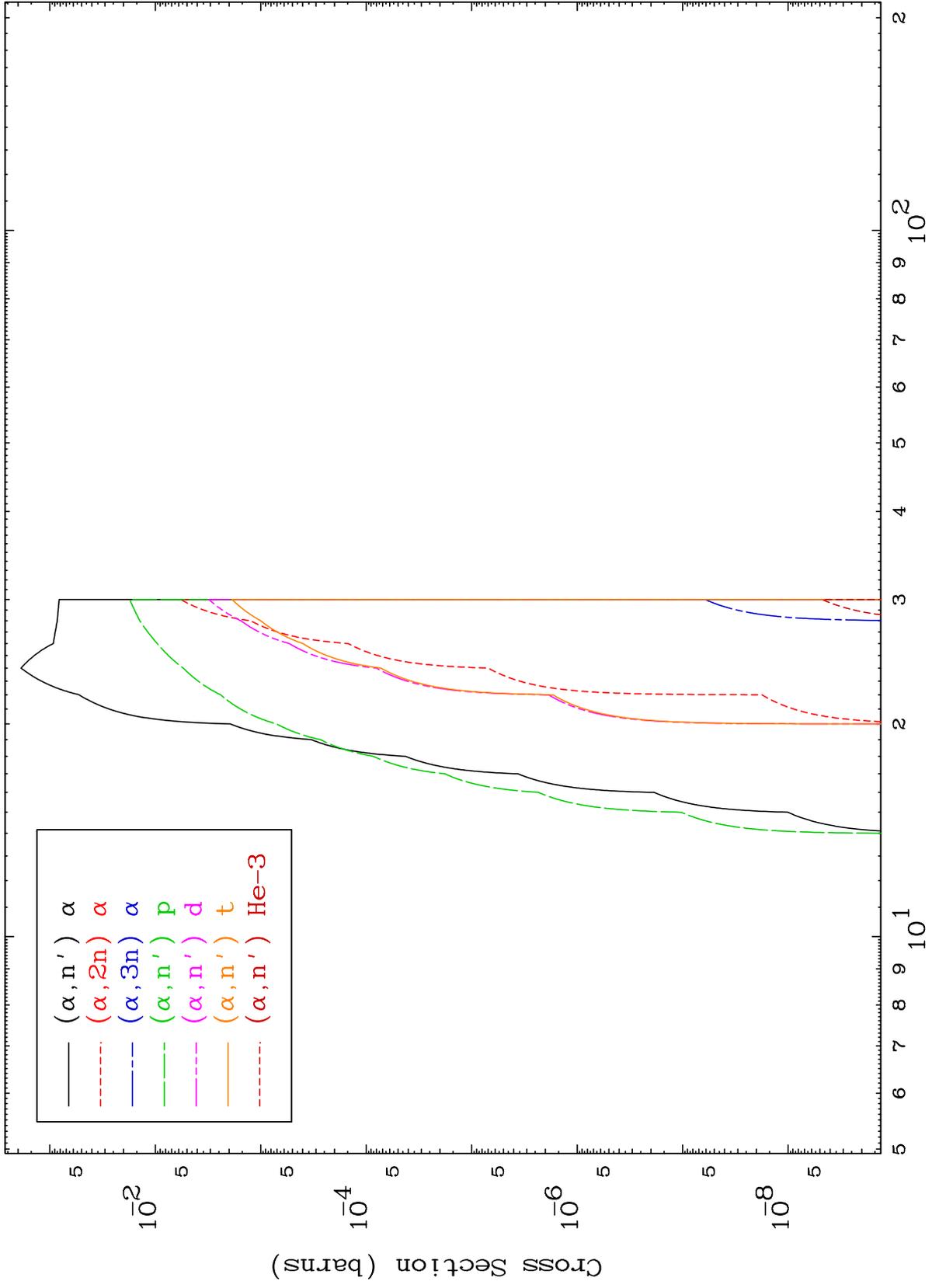


2

Incident Energy (MeV)

50-Sn-131



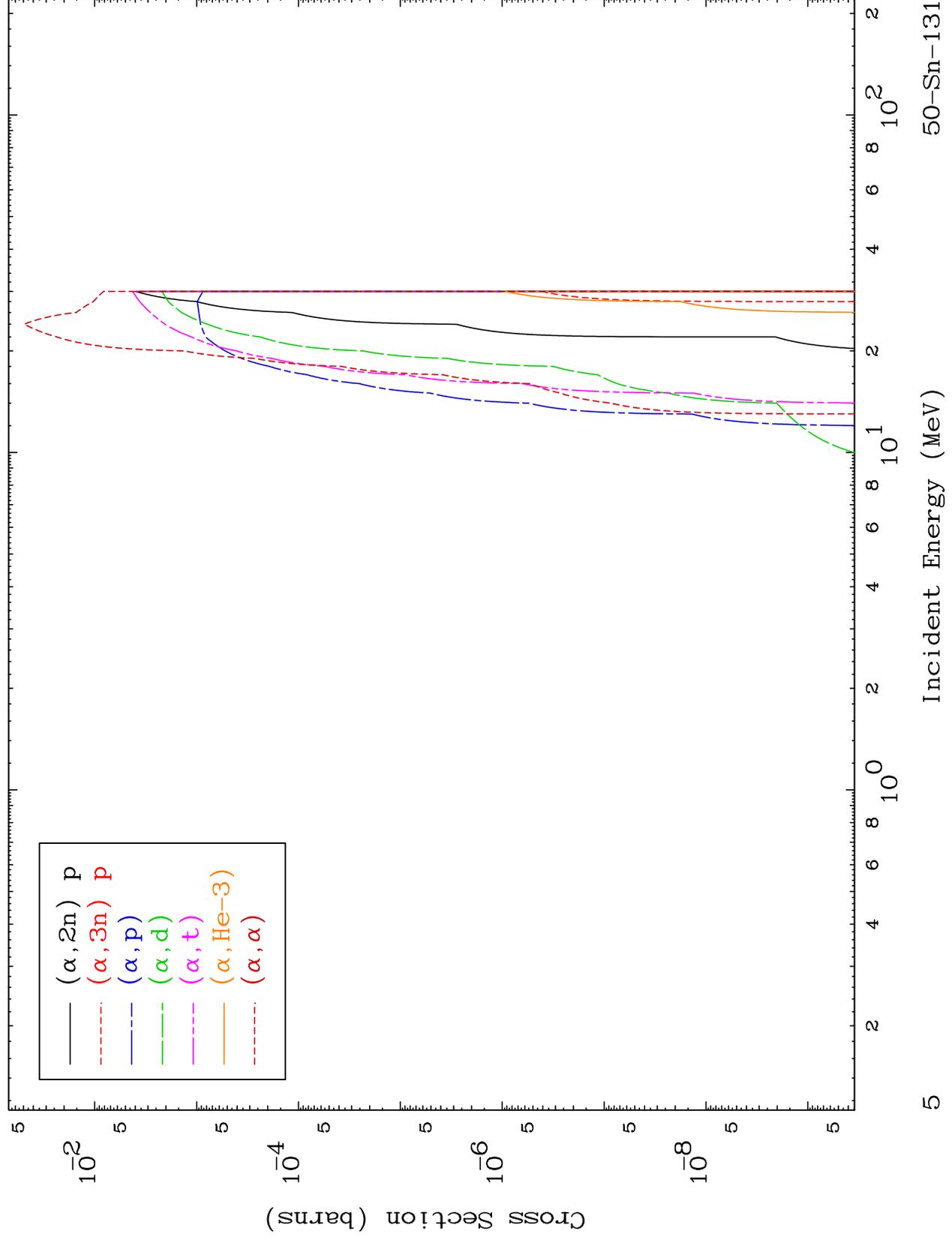


MAT 5083

$\alpha$  Charged Particle

50-Sn-131

0 Kelvin Cross Sections

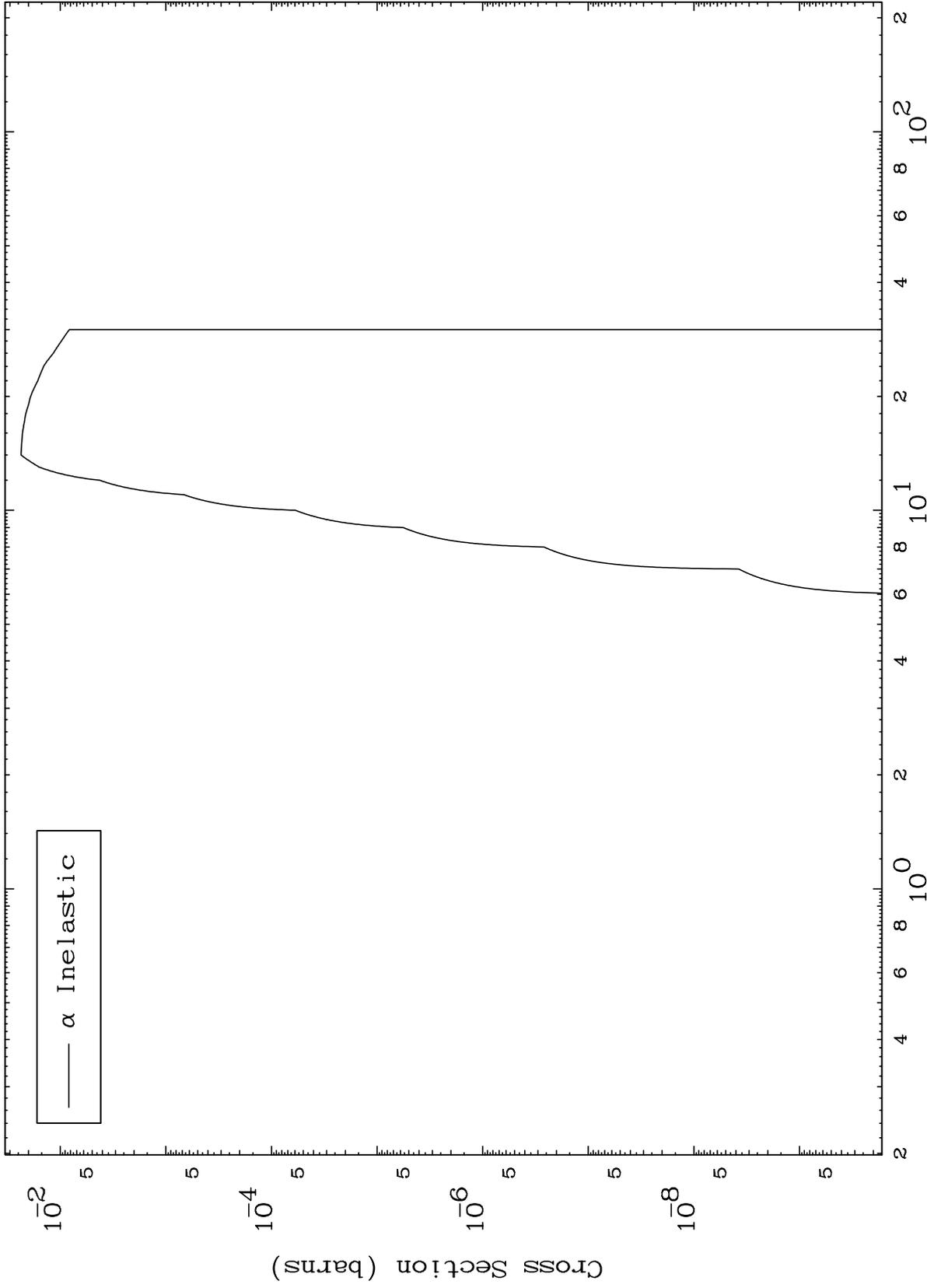


MAT 5083

( $\alpha, n'$ ) Level

50-Sn-131

0 Kelvin Cross Sections



6

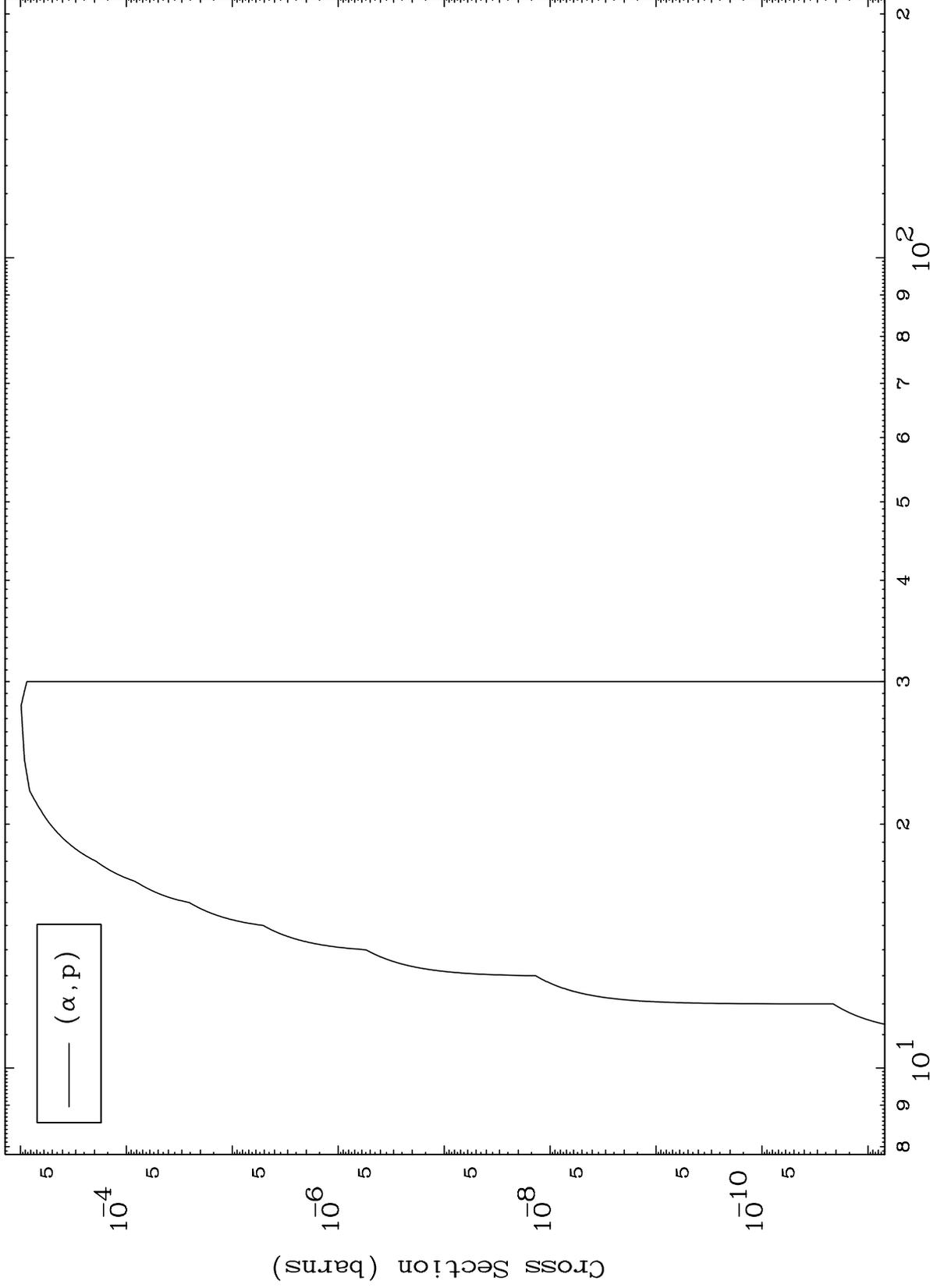
Incident Energy (MeV)

50-Sn-131

MAT 5083

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

50-Sn-131



Incident Energy (MeV)

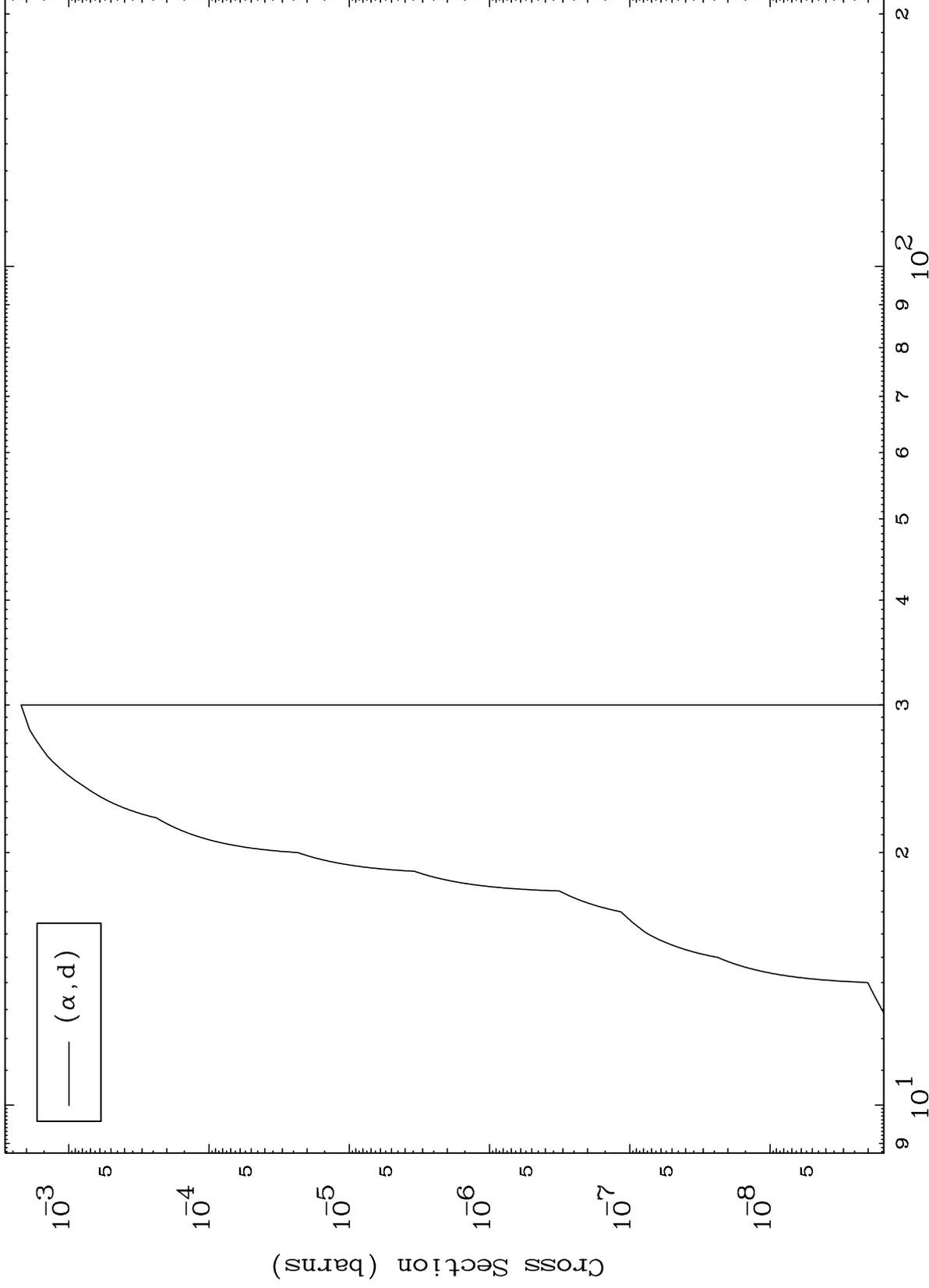
50-Sn-131

7

MAT 5083

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

50-Sn-131



Incident Energy (MeV)

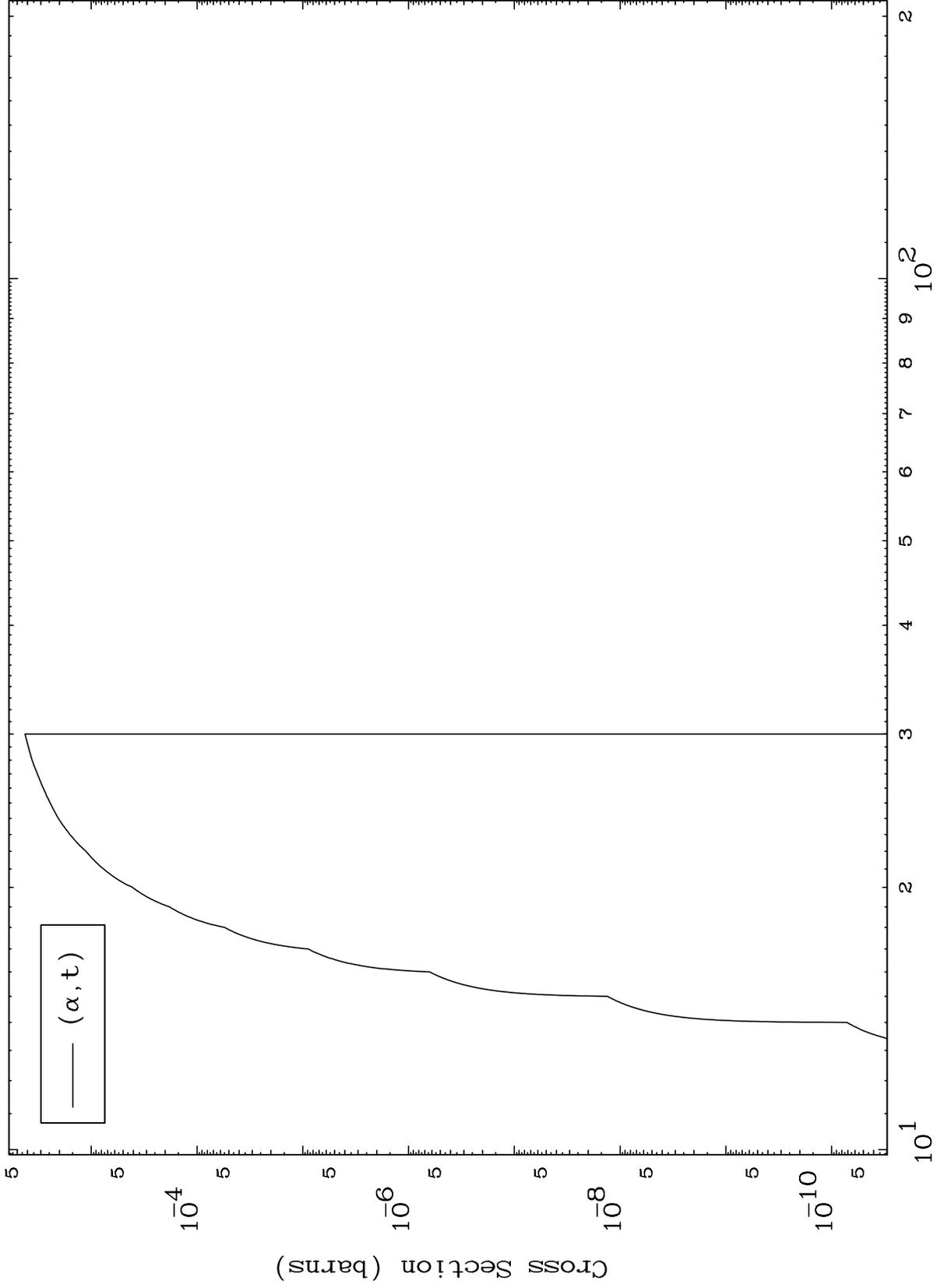
50-Sn-131

MAT 5083

( $\alpha, t$ ) Levels

50-Sn-131

0 Kelvin Cross Sections



50-Sn-131

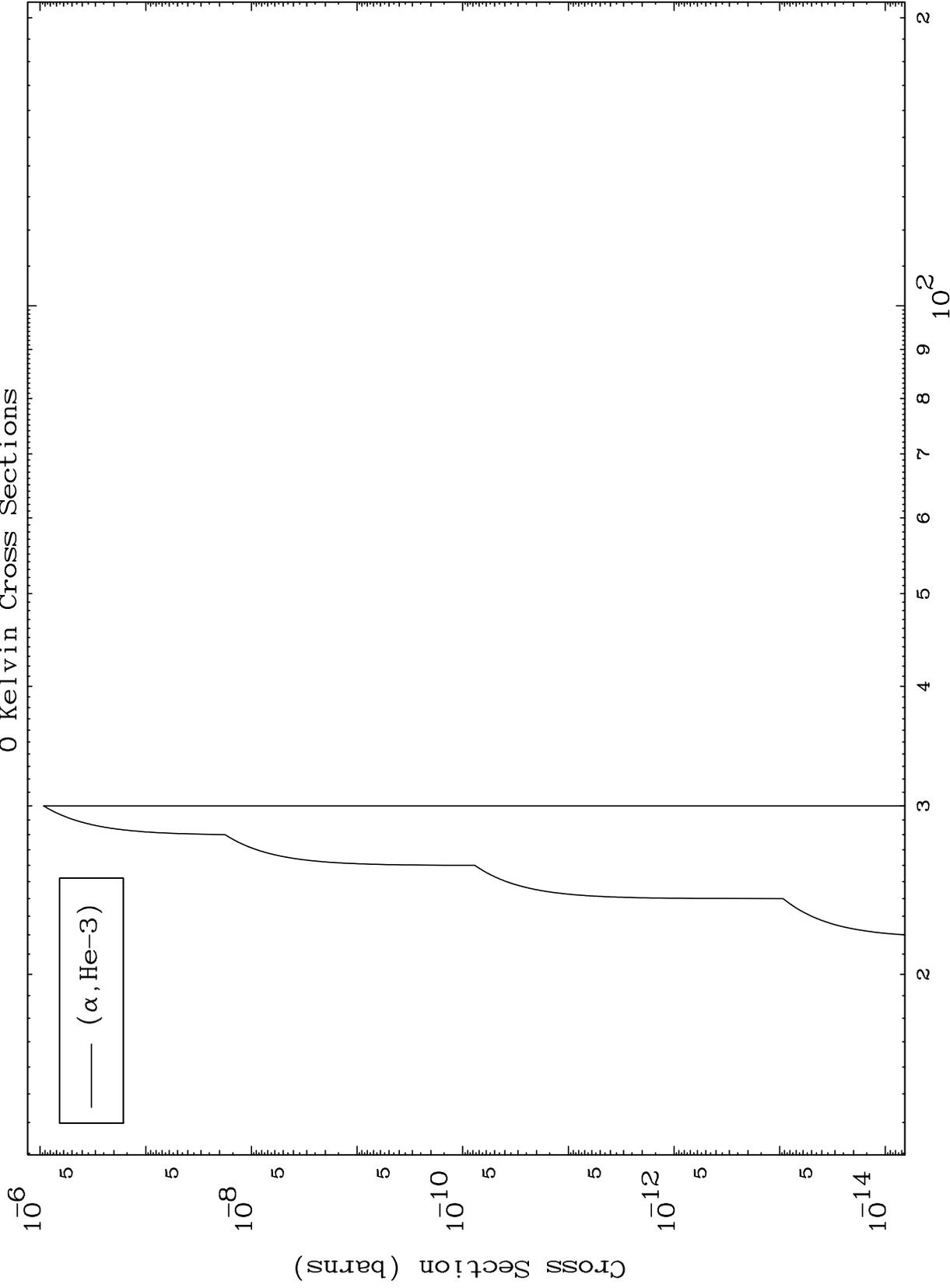
Incident Energy (MeV)

9

MAT 5083

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

50-Sn-131



10

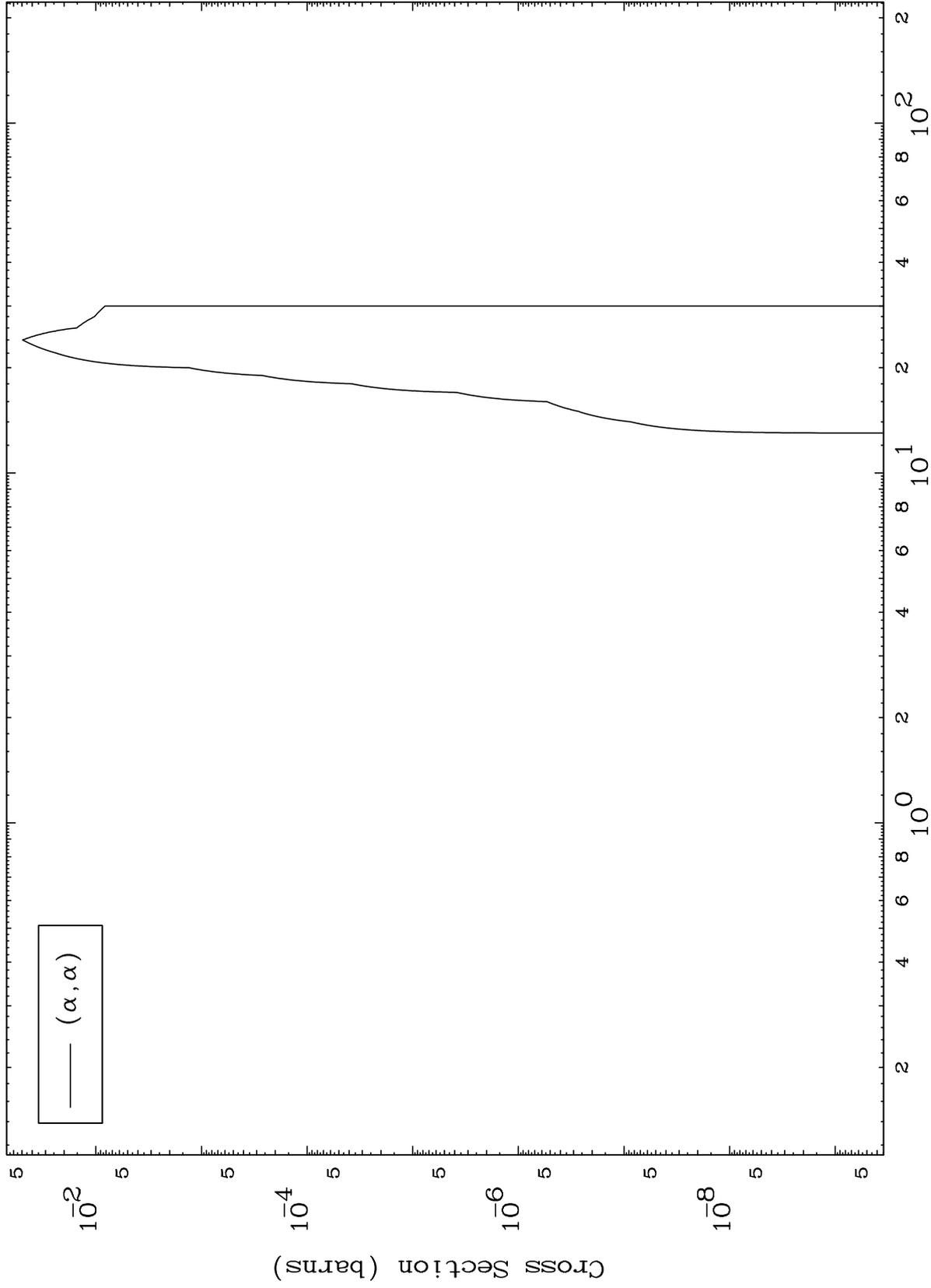
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

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



50-Sn-131

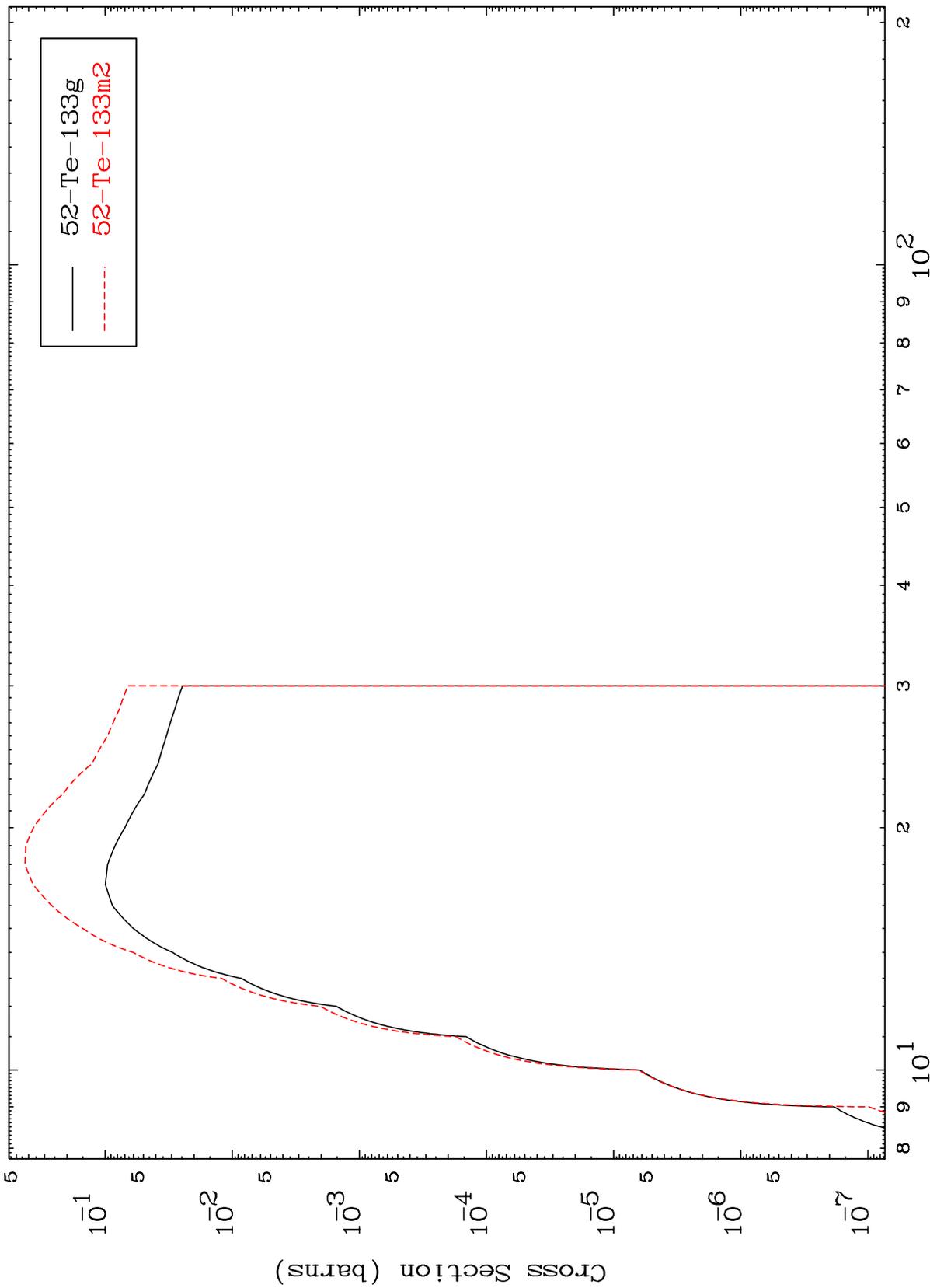
Incident Energy (MeV)

11

MAT 5083

50-Sn-131

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



50-Sn-131

Incident Energy (MeV)

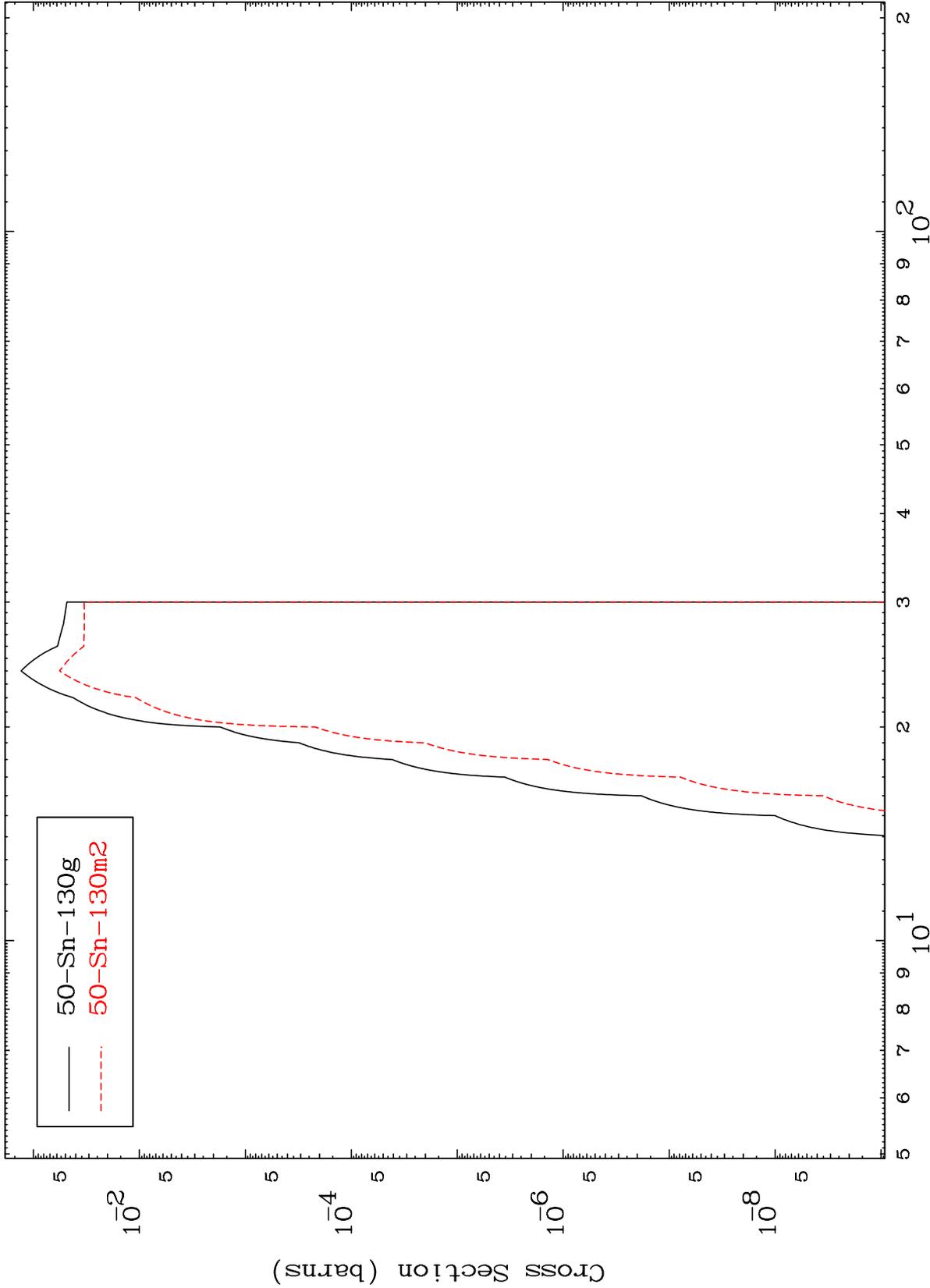
12

MAT 5083

50-Sn-131

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

Radionuclide Production Cross Section



Legend:  
— 50-Sn-130g  
- - - 50-Sn-130m2

50-Sn-131

Incident Energy (MeV)

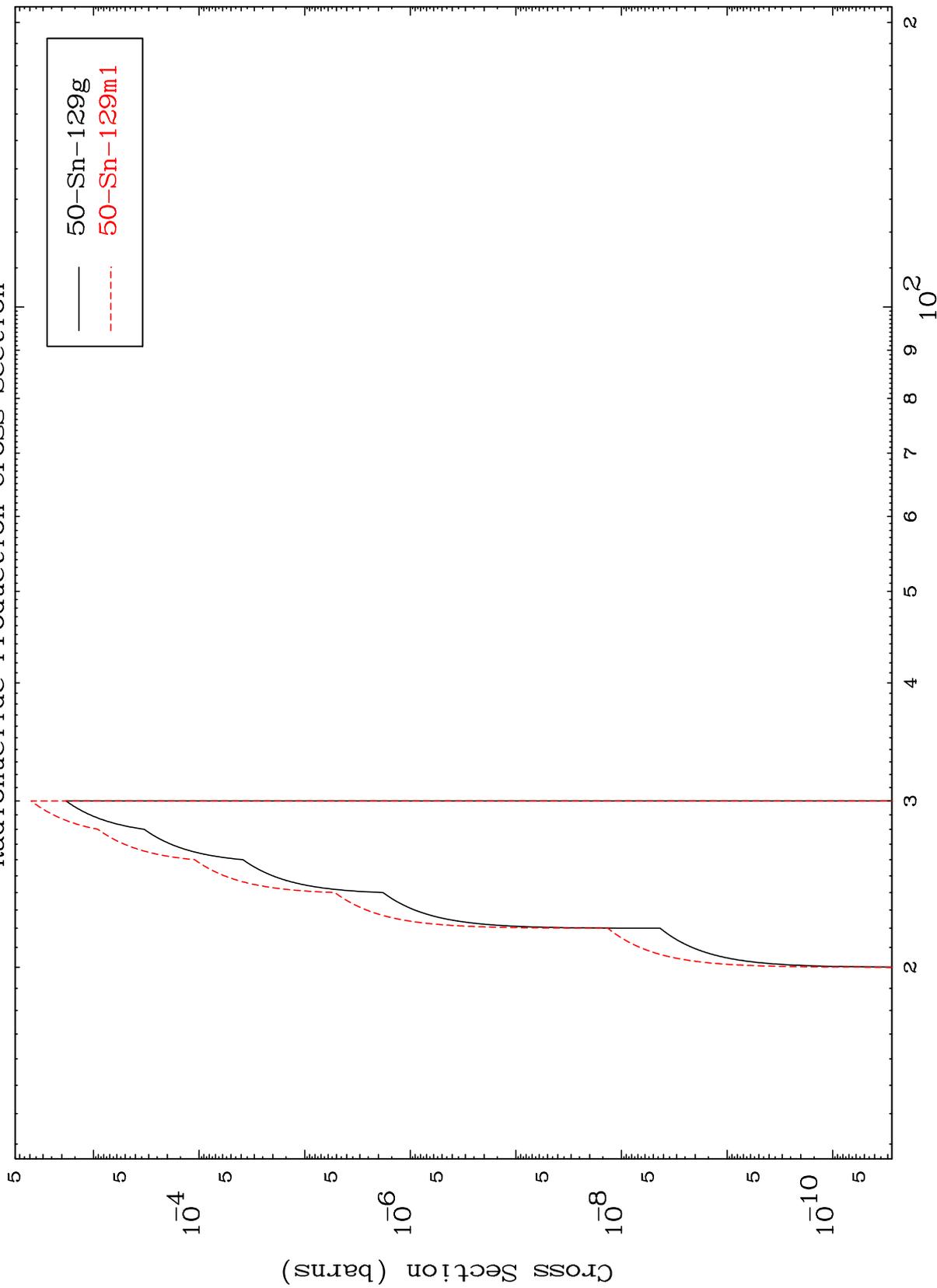
13

MAT 5083

$(\alpha, 2n) \alpha$

50-Sn-131

Radionuclide Production Cross Section



14

Incident Energy (MeV)

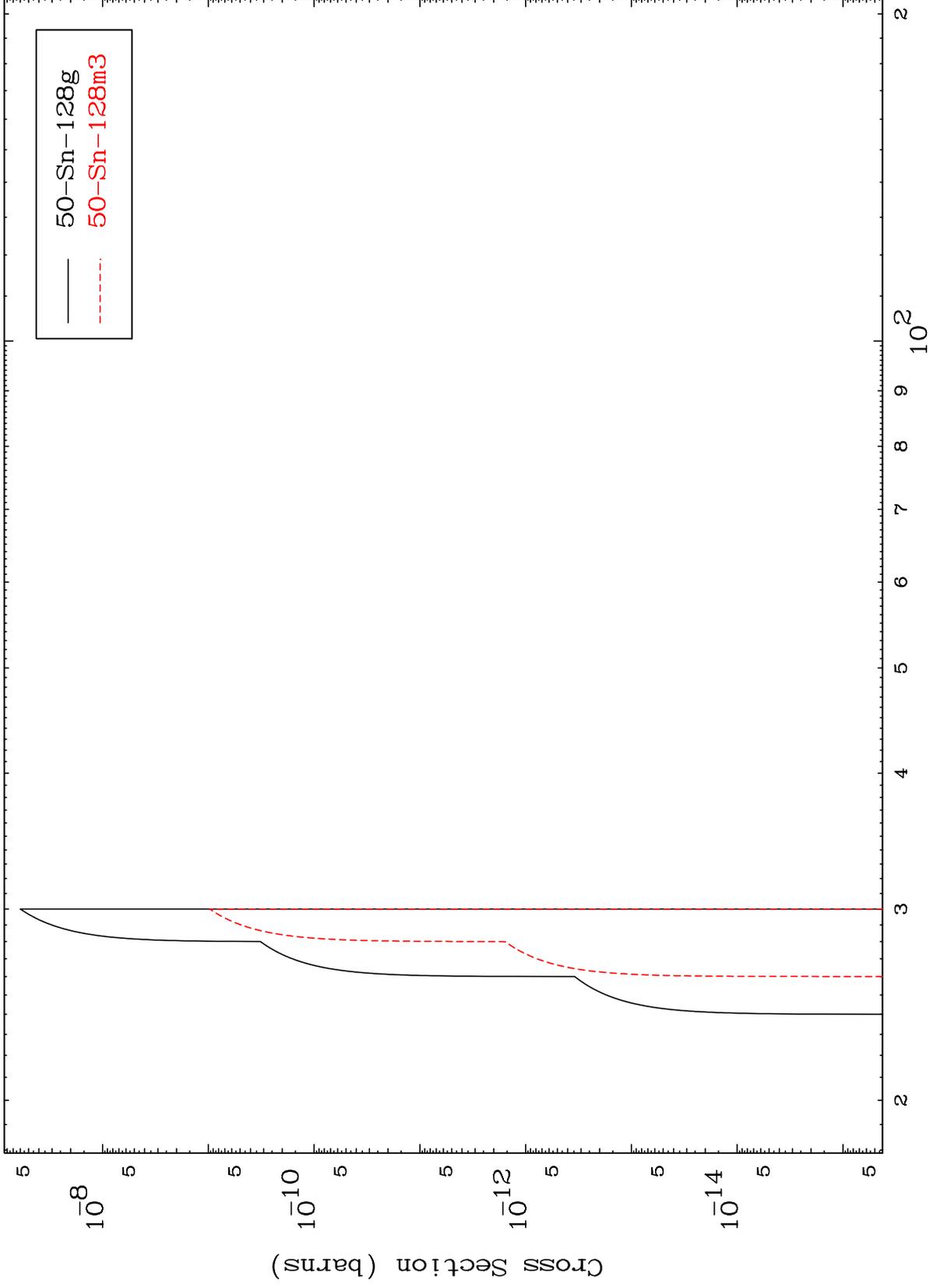
50-Sn-131

MAT 5083

$(\alpha, 3n) \alpha$

50-Sn-131

Radionuclide Production Cross Section

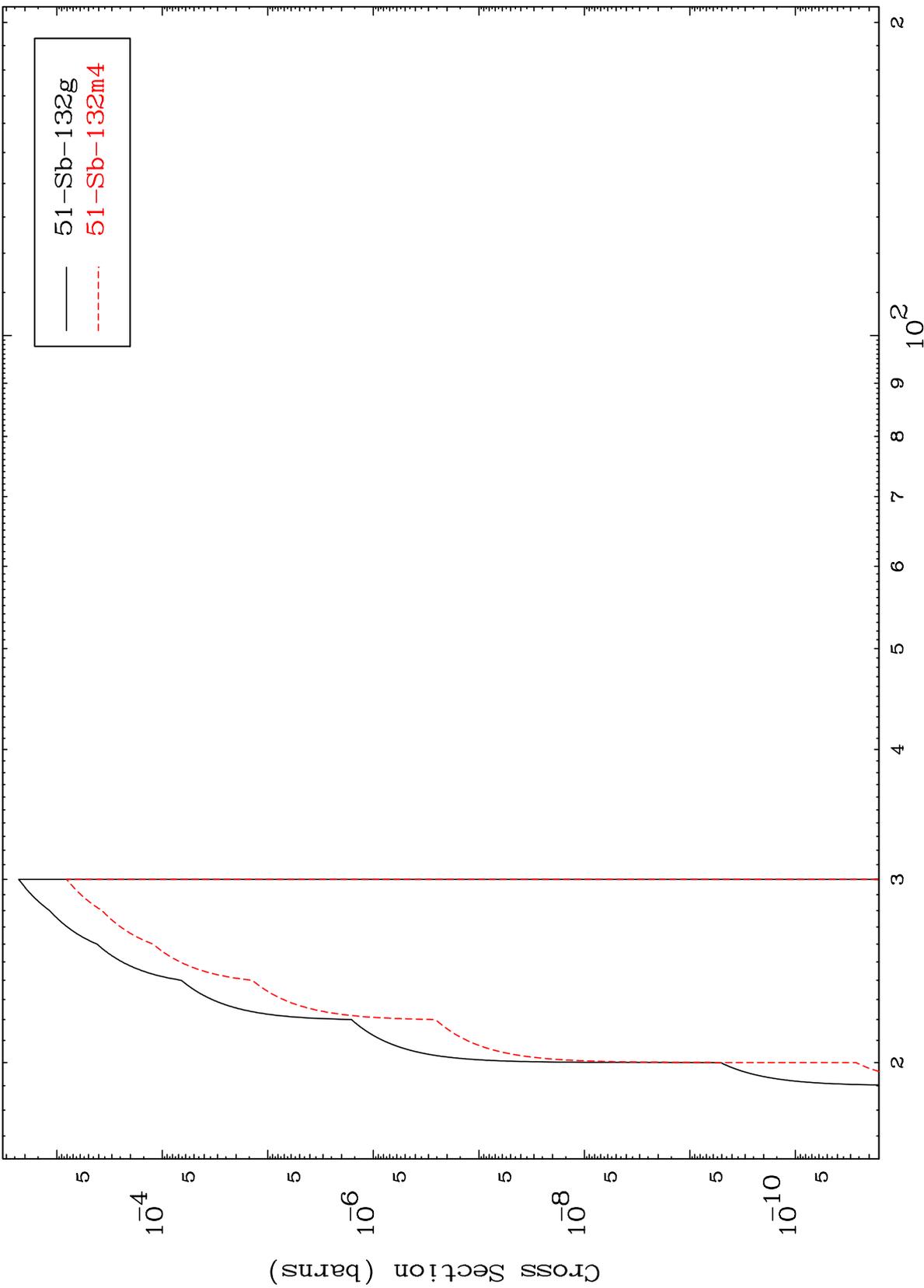


15

Incident Energy (MeV)

50-Sn-131

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

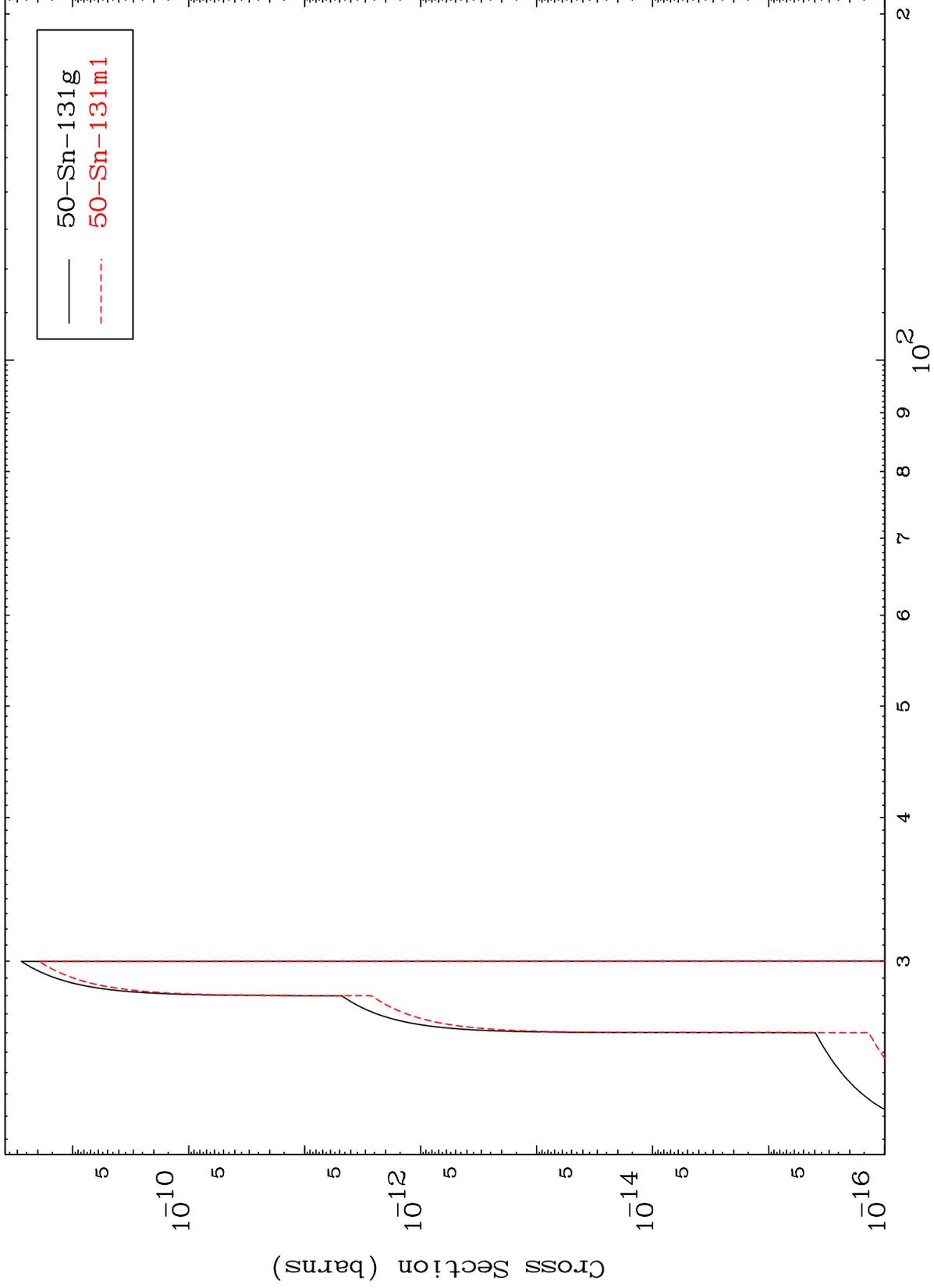


MAT 5083

( $\alpha, n'$ ) He-3

50-Sn-131

Radionuclide Production Cross Section



17

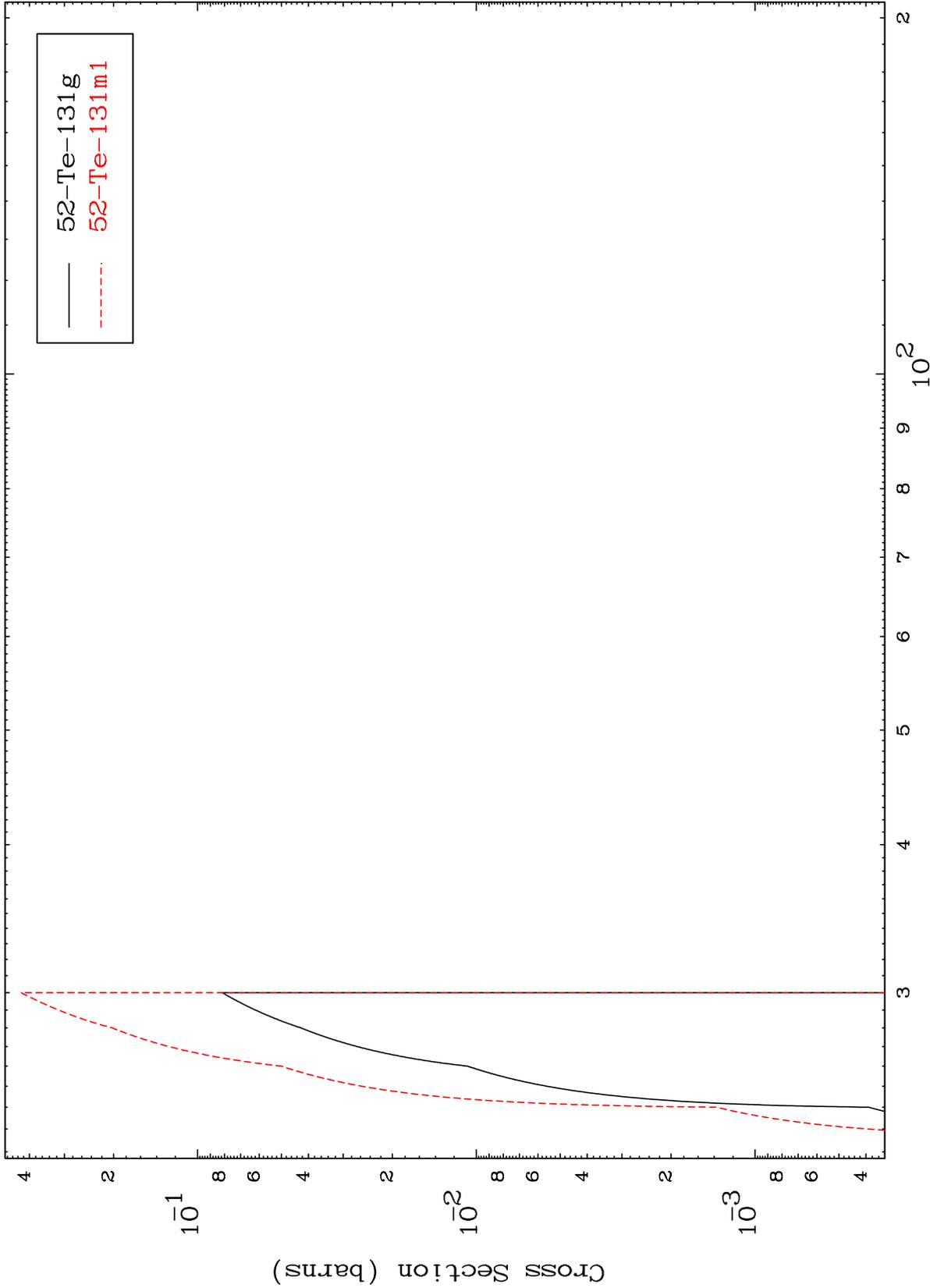
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

$(\alpha, 4n)$   
Radionuclide Production Cross Section



50-Sn-131

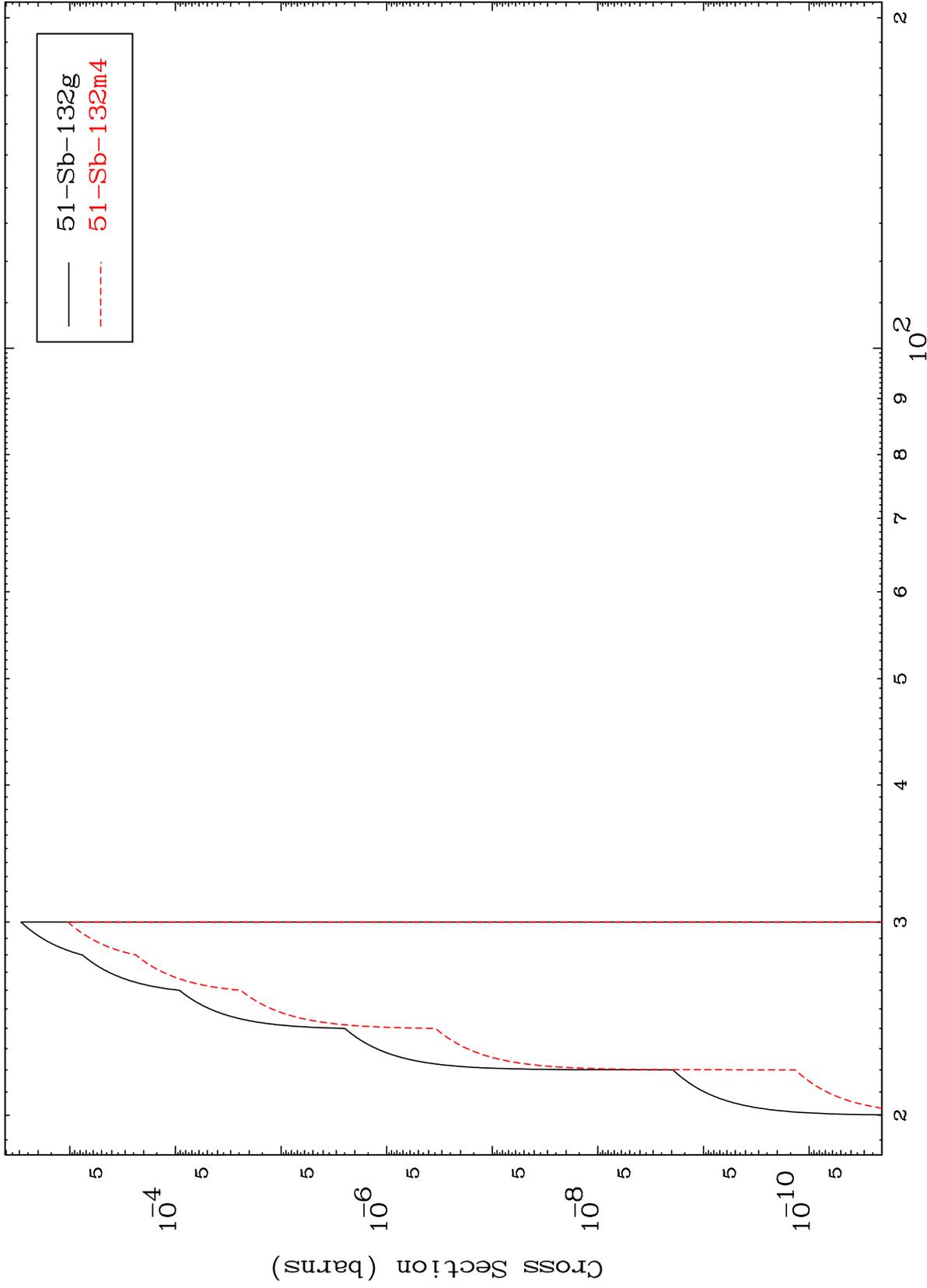
Incident Energy (MeV)

18

MAT 5083

50-Sn-131

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



50-Sn-131

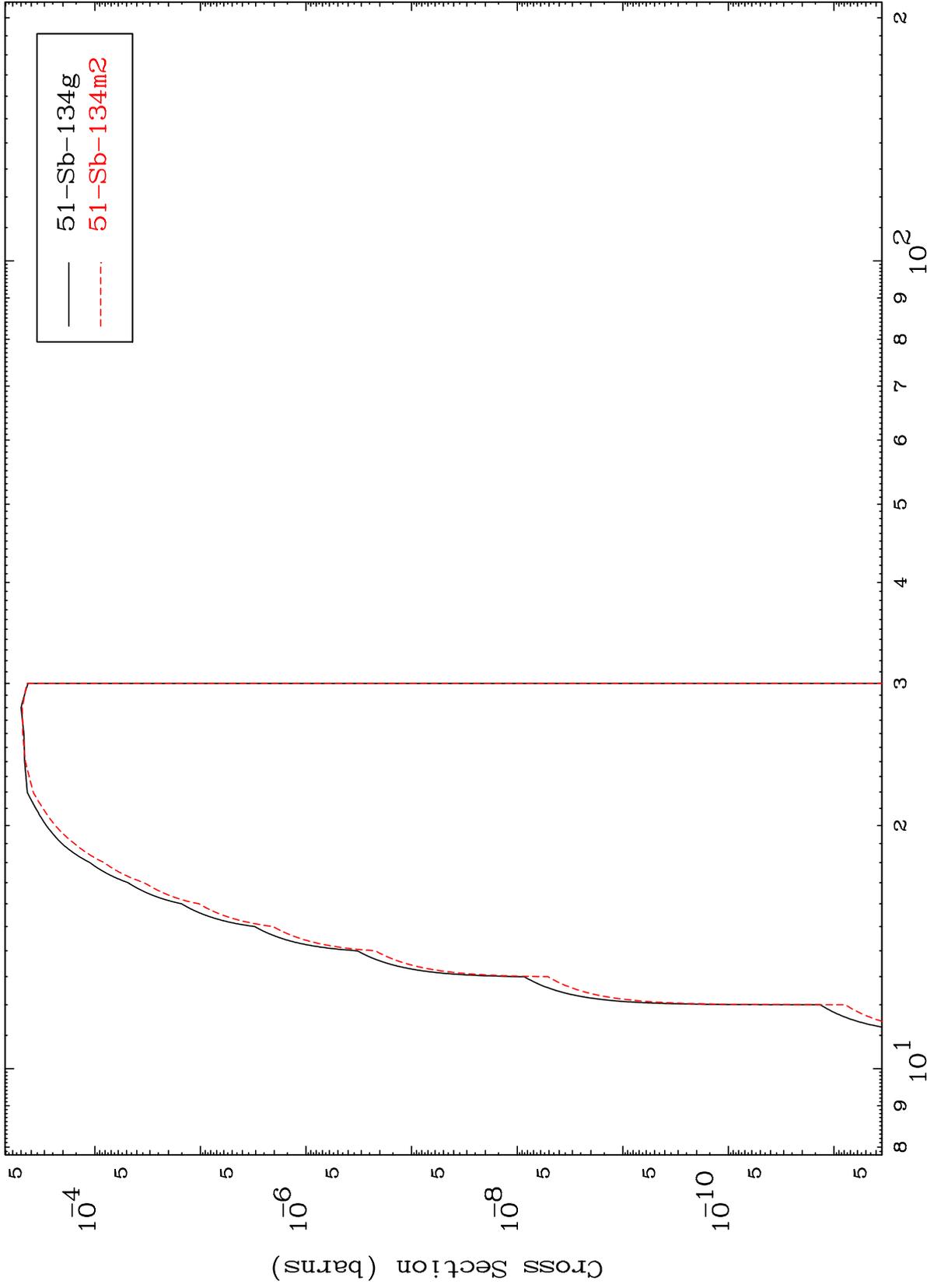
Incident Energy (MeV)

19

MAT 5083

50-Sn-131

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



50-Sn-131

Incident Energy (MeV)

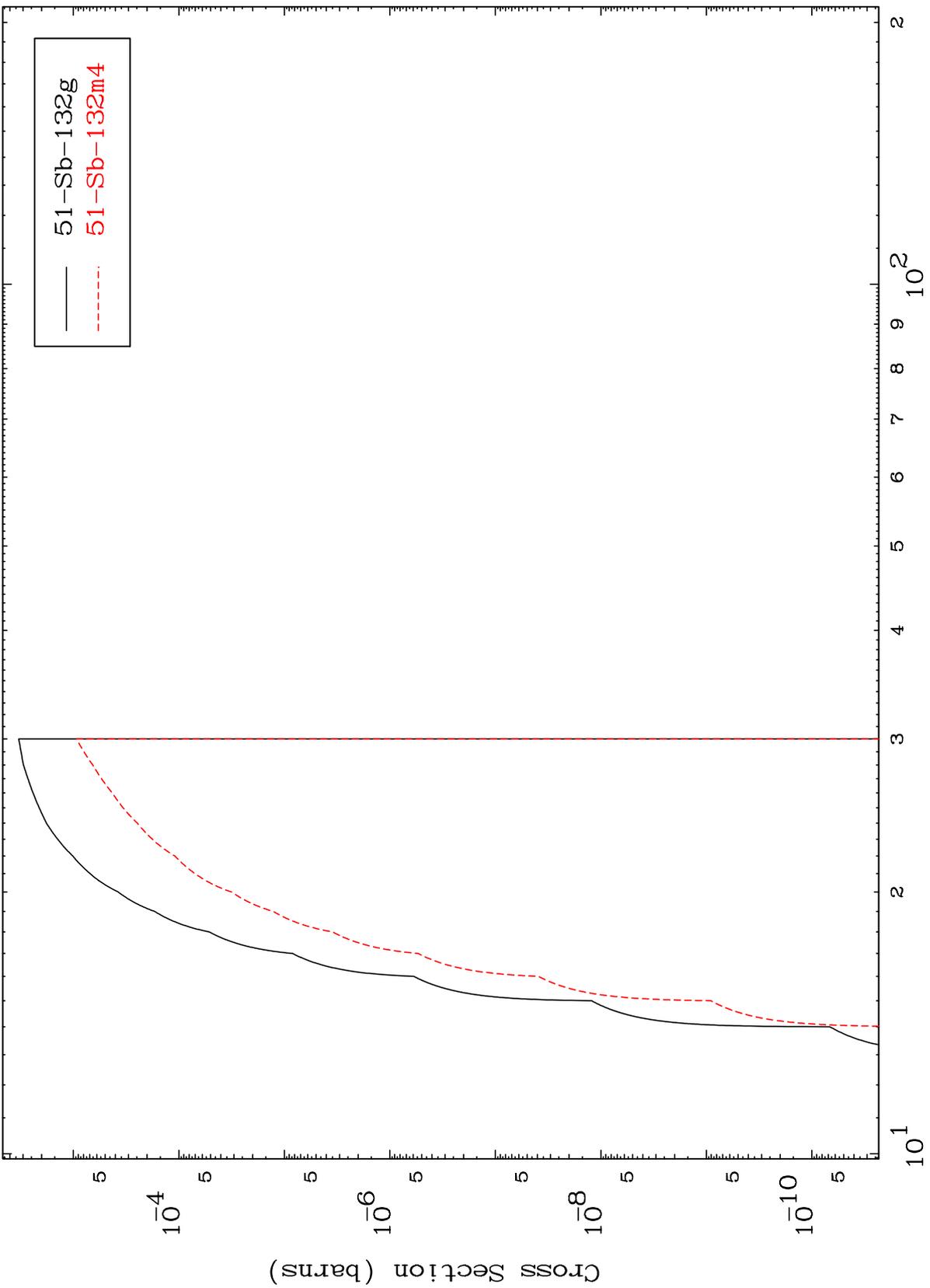
20

MAT 5083

( $\alpha, t$ )

50-Sn-131

Radionuclide Production Cross Section



21

Incident Energy (MeV)

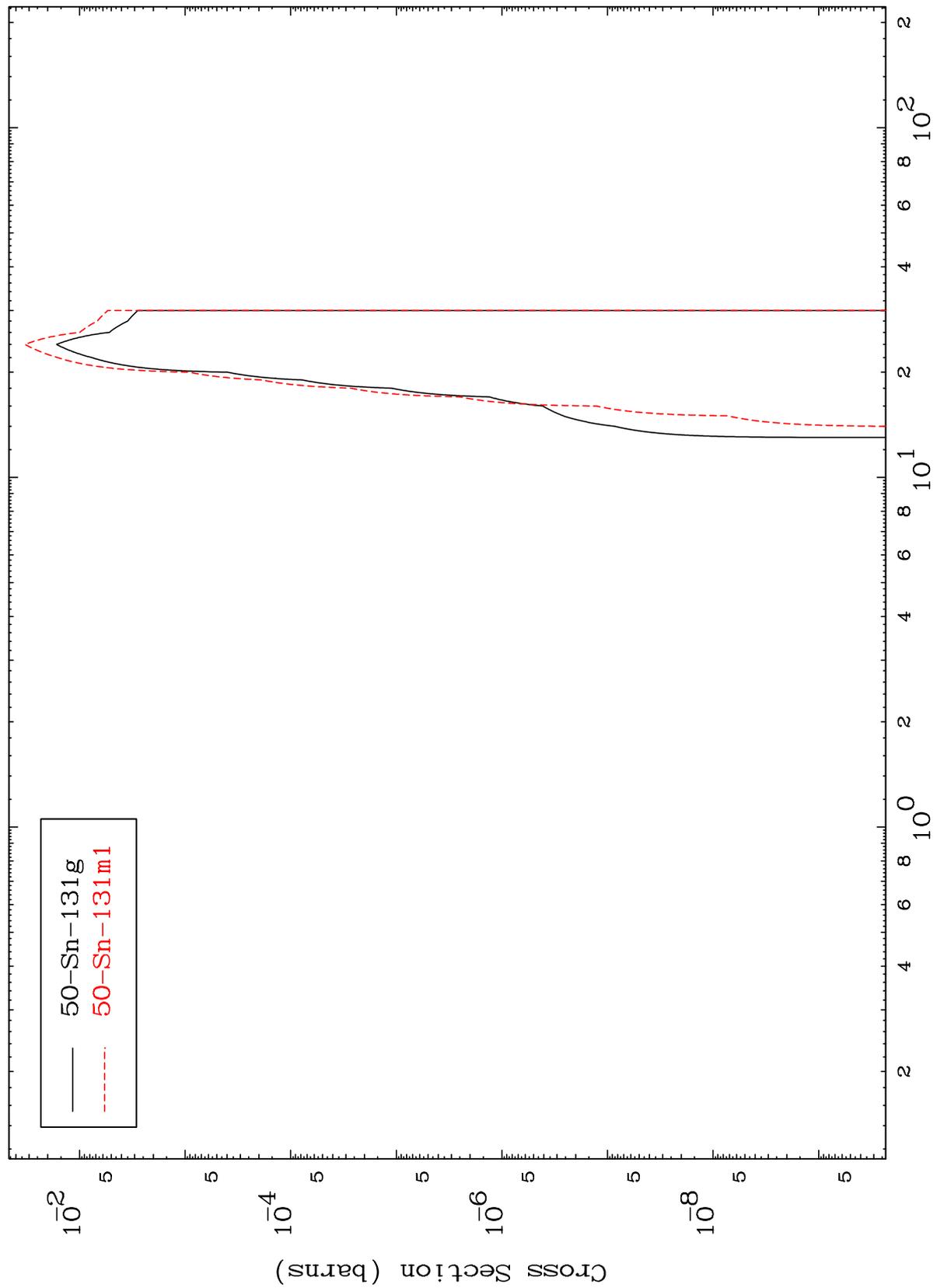
50-Sn-131

MAT 5083

( $\alpha, \alpha$ )

50-Sn-131

Radionuclide Production Cross Section



50-Sn-131 g  
50-Sn-131 m1