

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

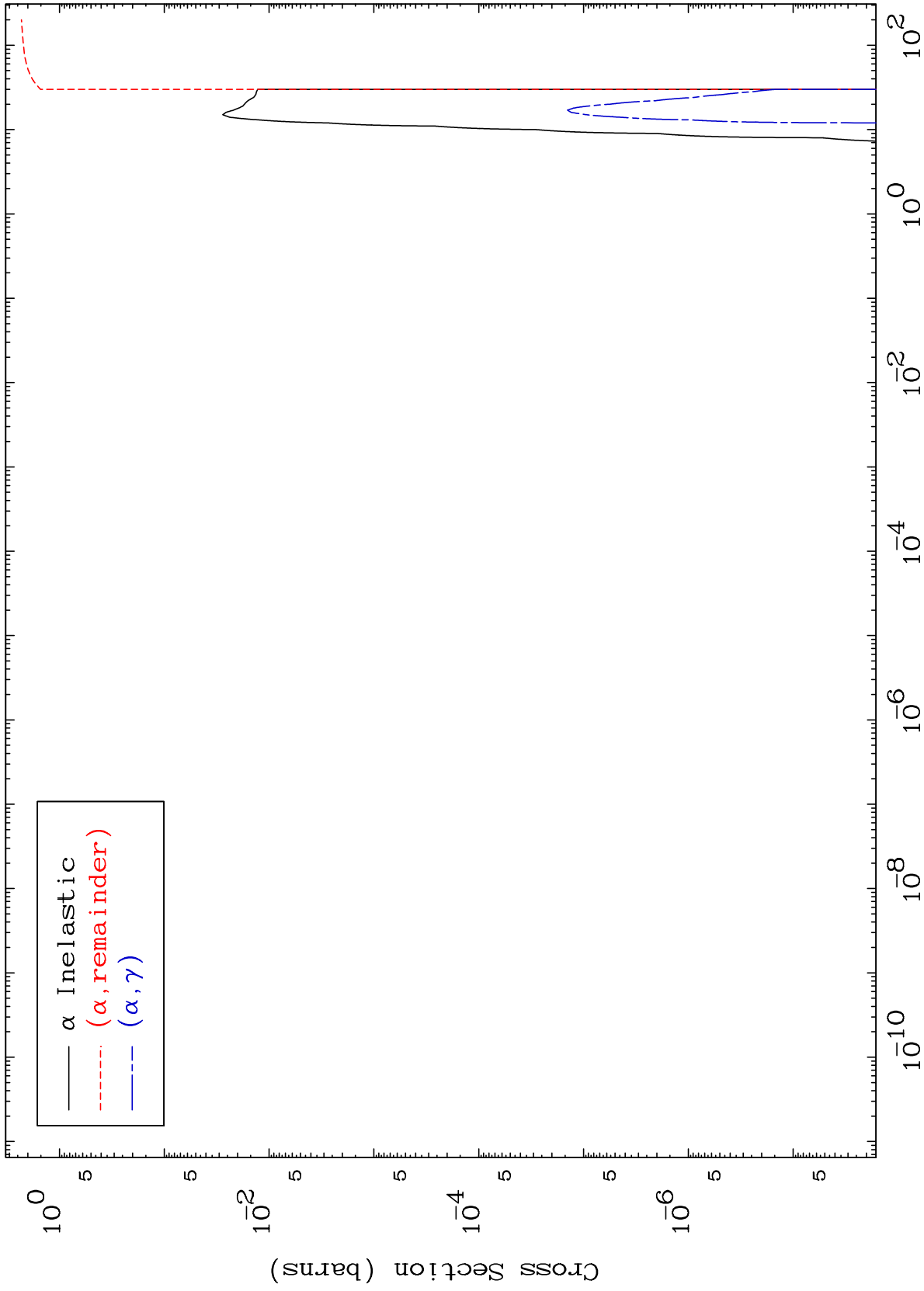
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5258

0 Kelvin  $\alpha$  Major  
Cross Sections

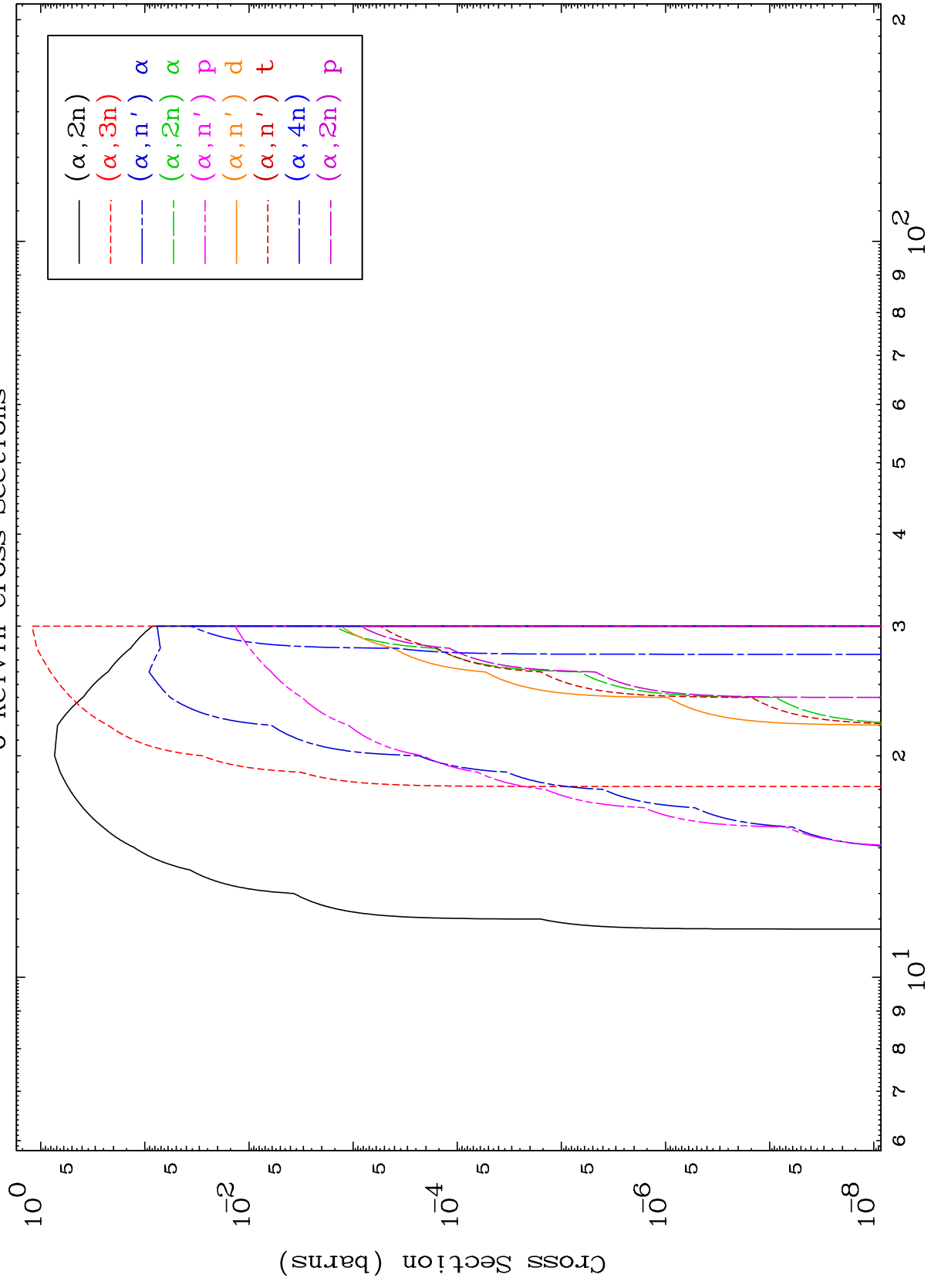
52-Te-131



MAT 5258

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

52-Te-131



2

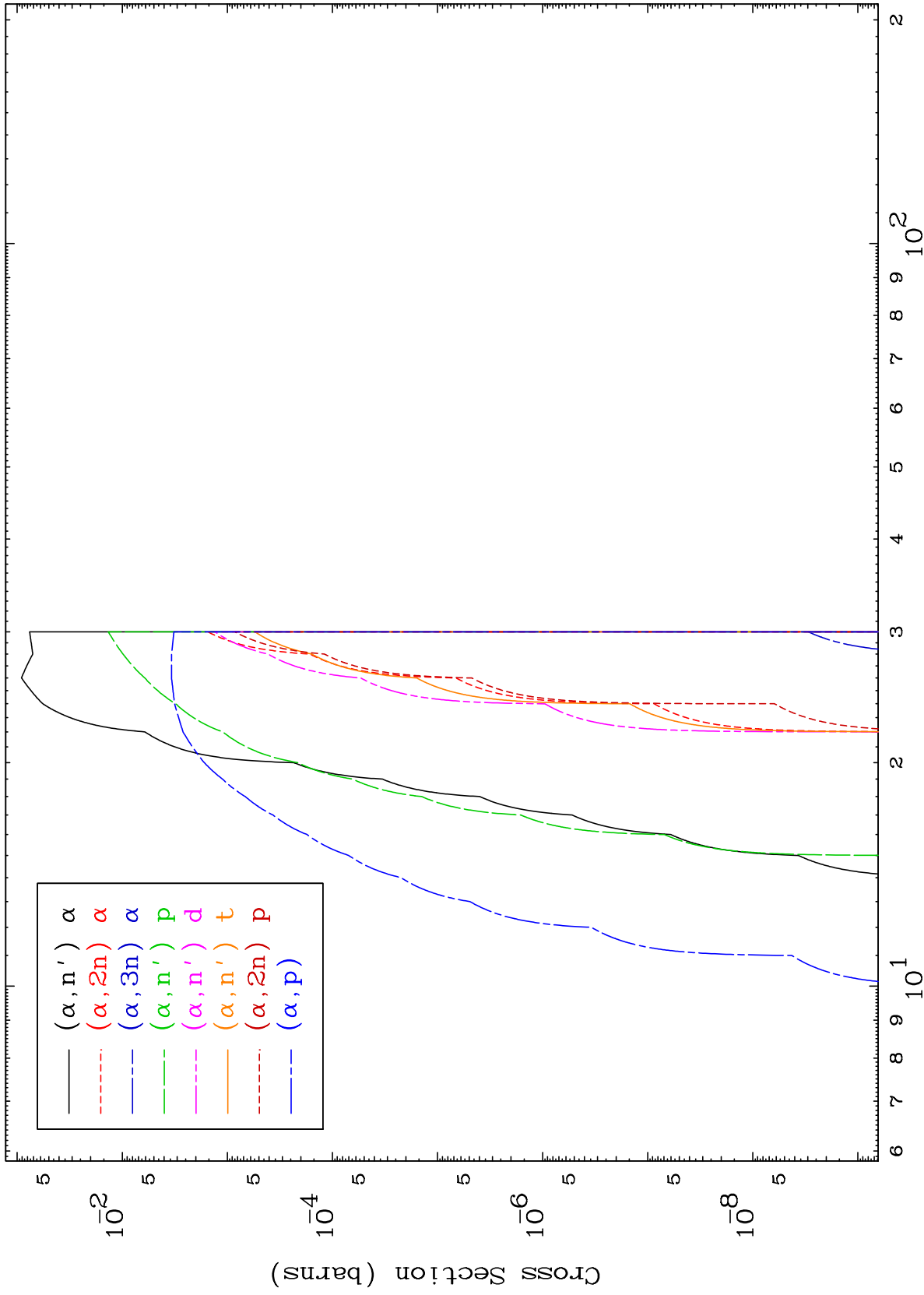
Incident Energy (MeV)

52-Te-131

MAT 5258

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

52-Te-131



3

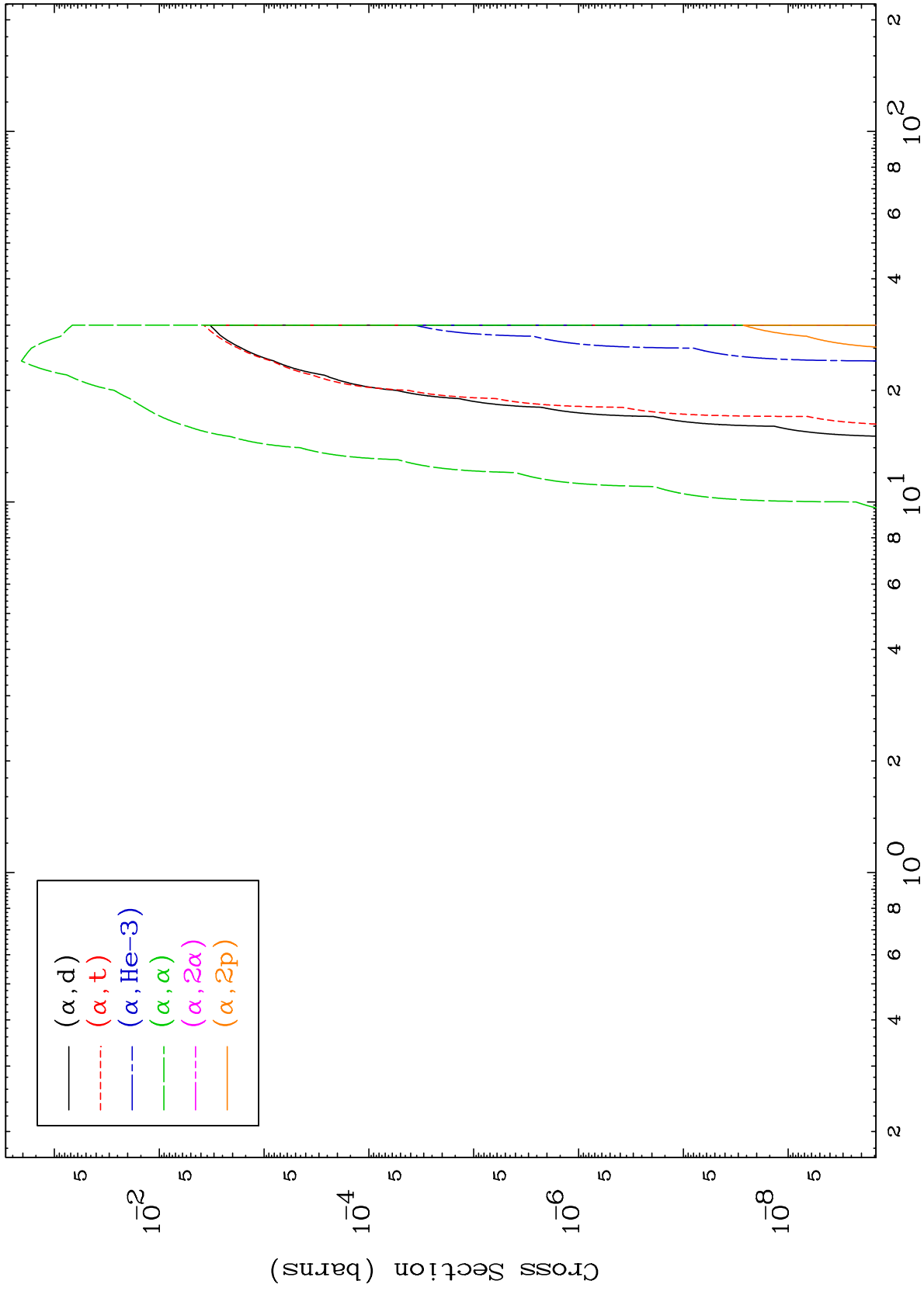
Incident Energy (MeV)

52-Te-131

MAT 5258

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

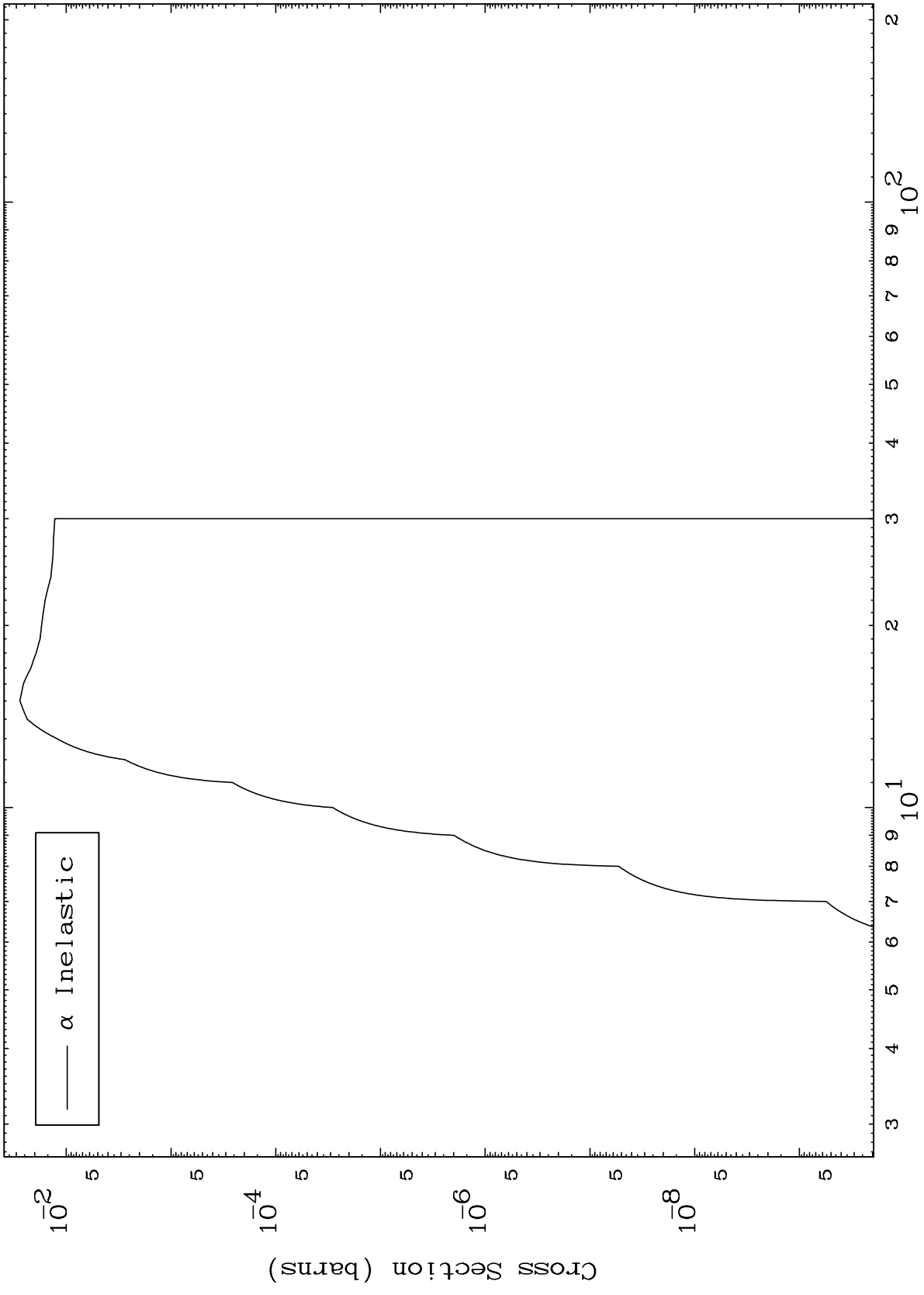
52-Te-131



MAT 5258

52-Te-131

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



52-Te-131

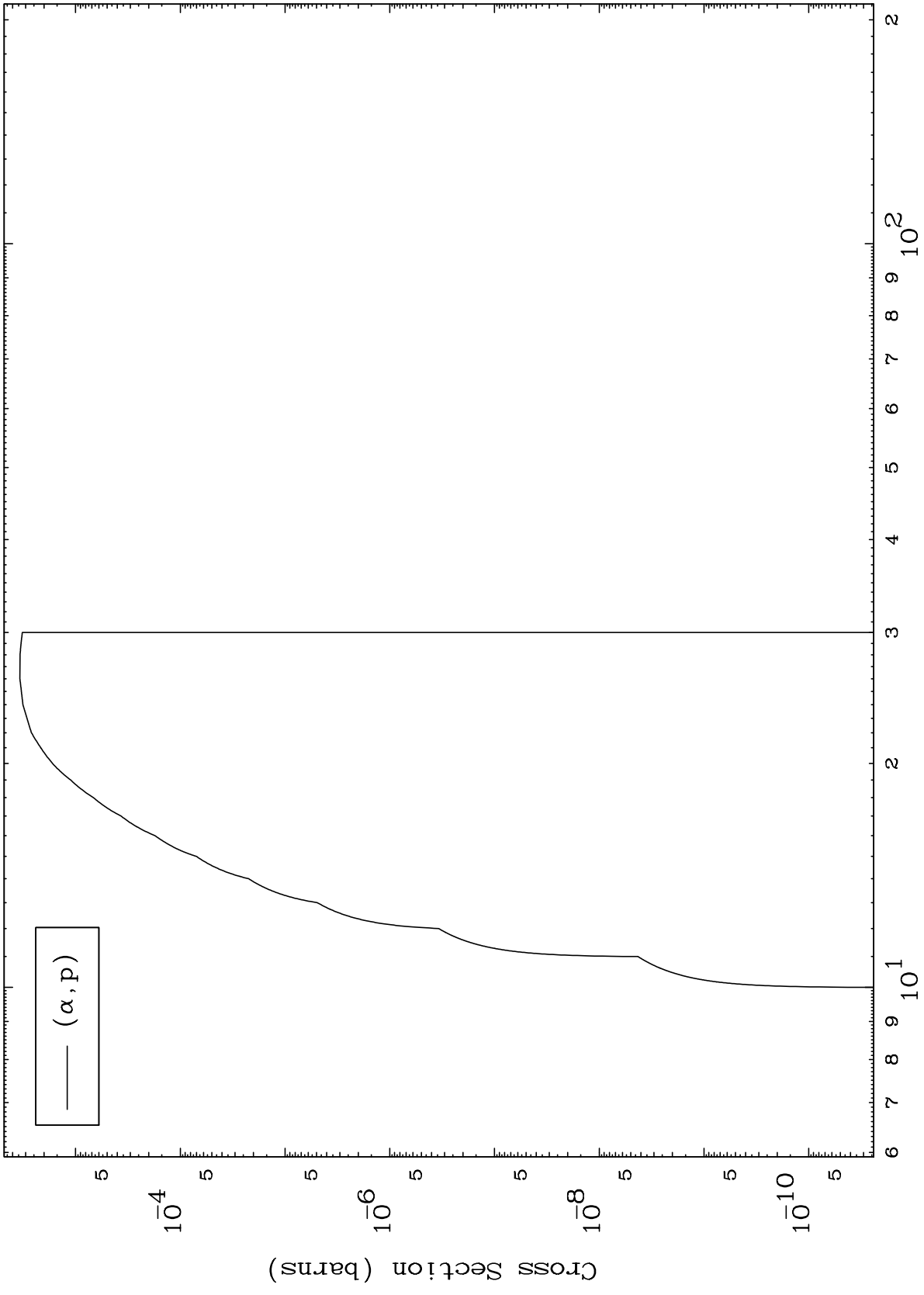
Incident Energy (MeV)

5

MAT 5258

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

52-Te-131



6

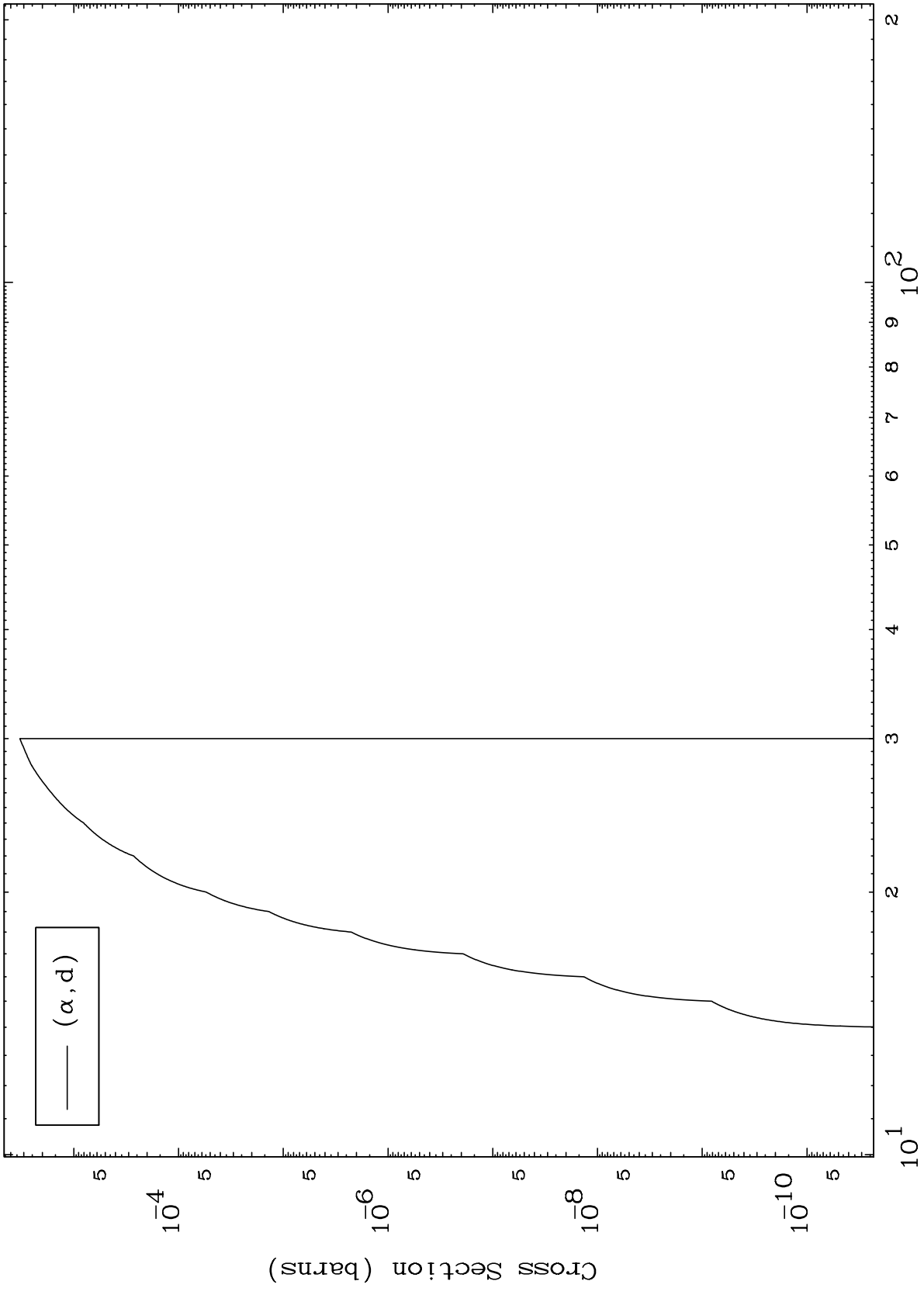
Incident Energy (MeV)

52-Te-131

MAT 5258

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

52-Te-131



Incident Energy (MeV)

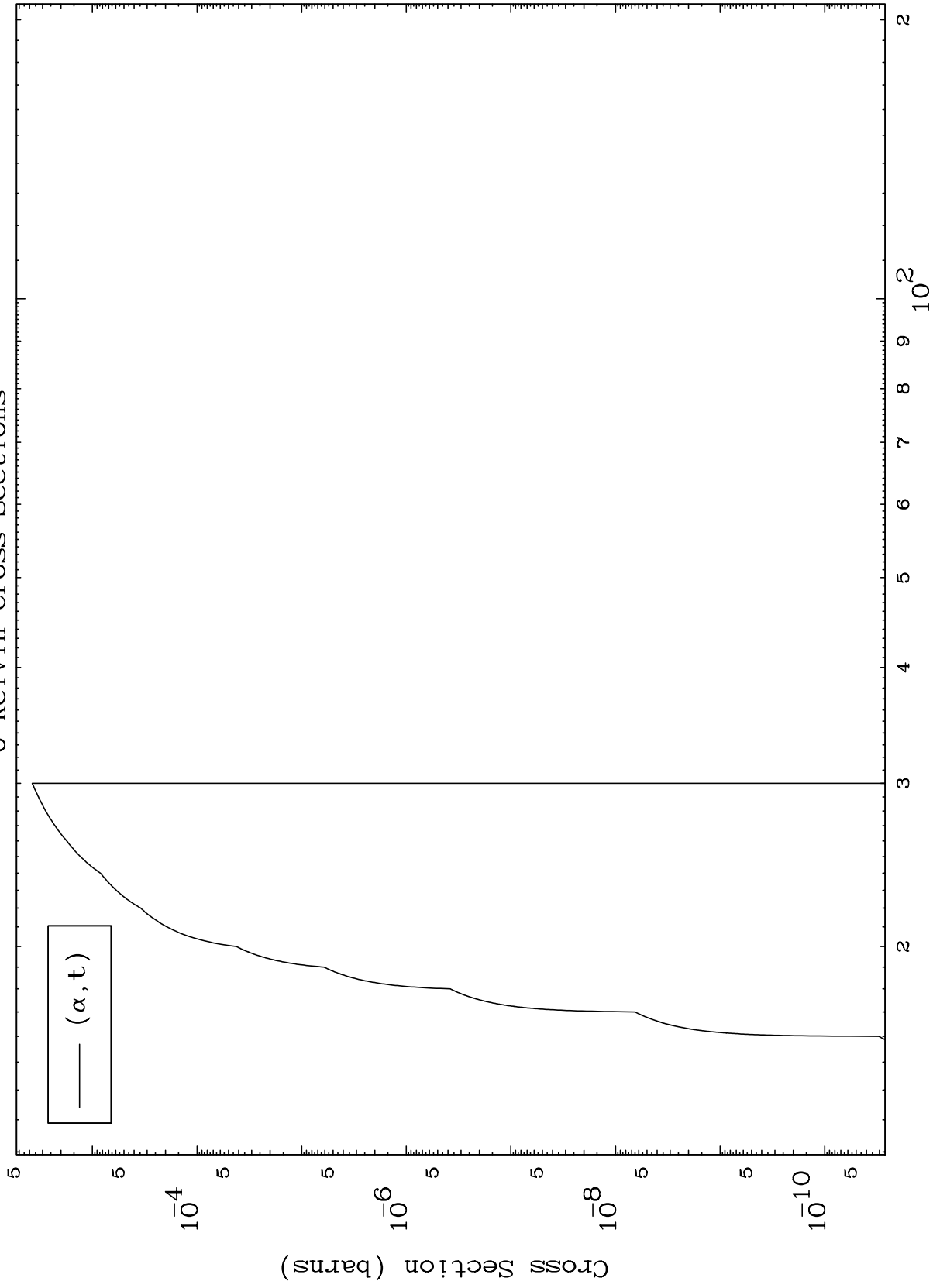
52-Te-131



MAT 5258

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

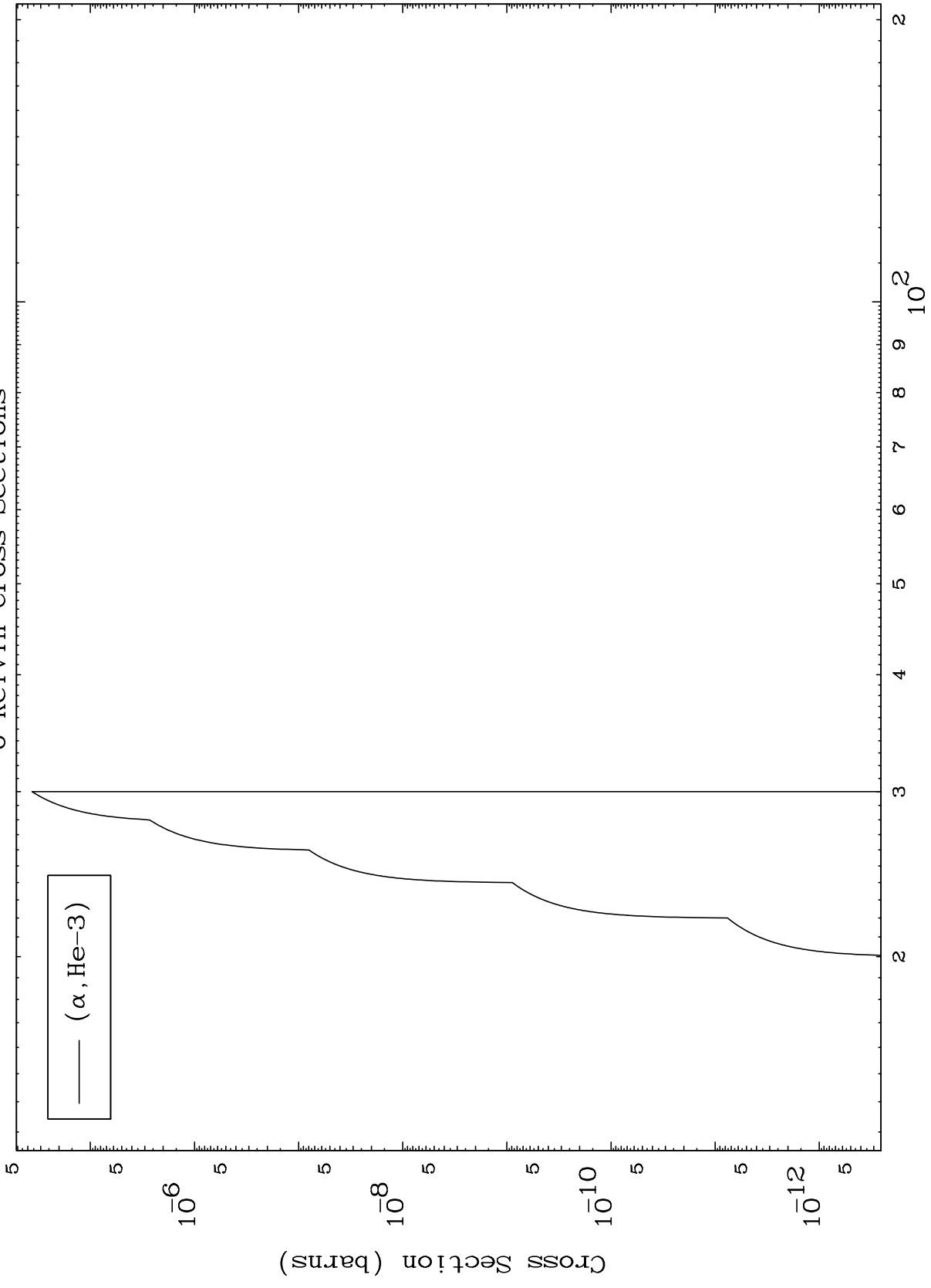
52-Te-131



8

Incident Energy (MeV)

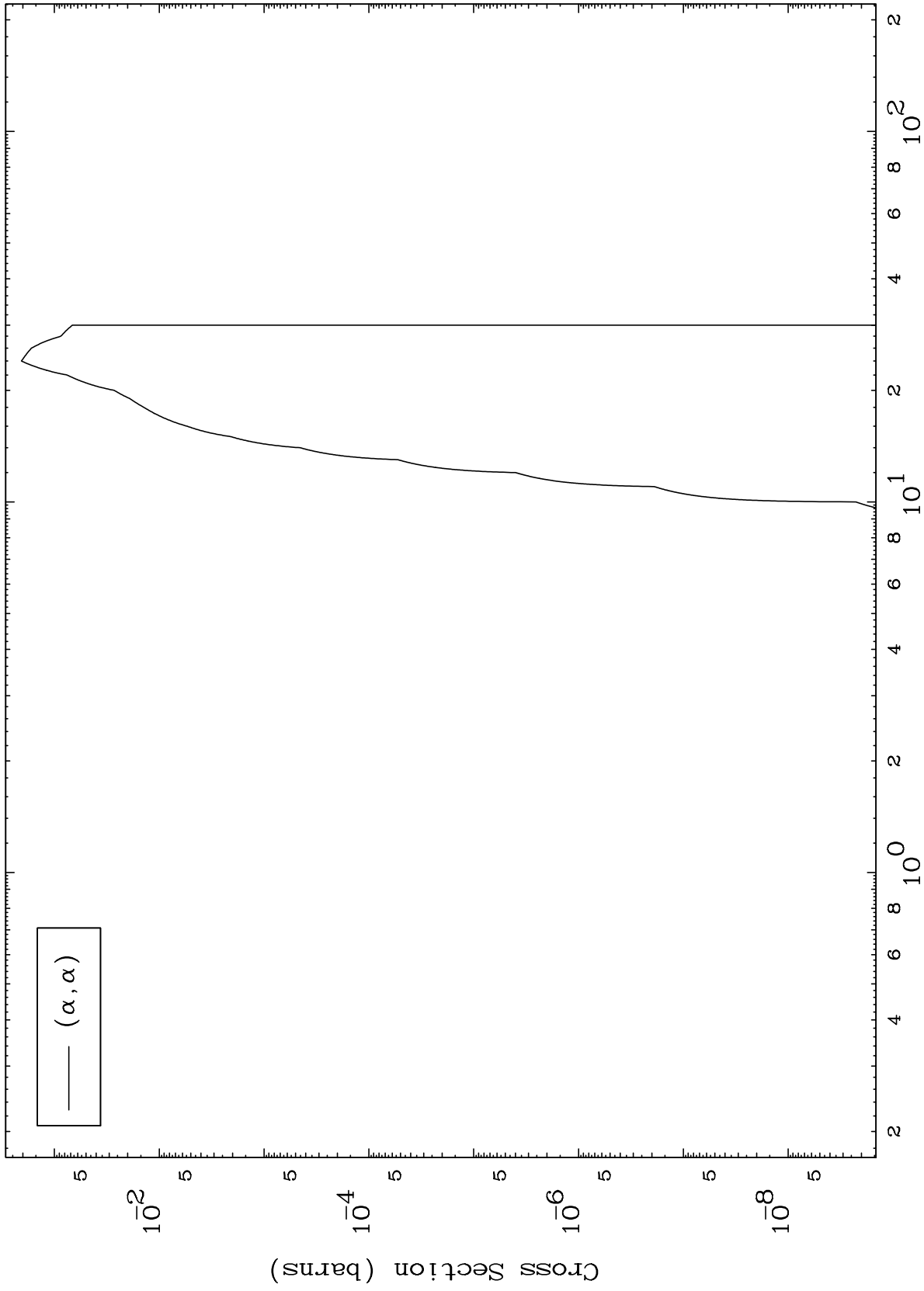
52-Te-131



MAT 5258

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

52-Te-131



10

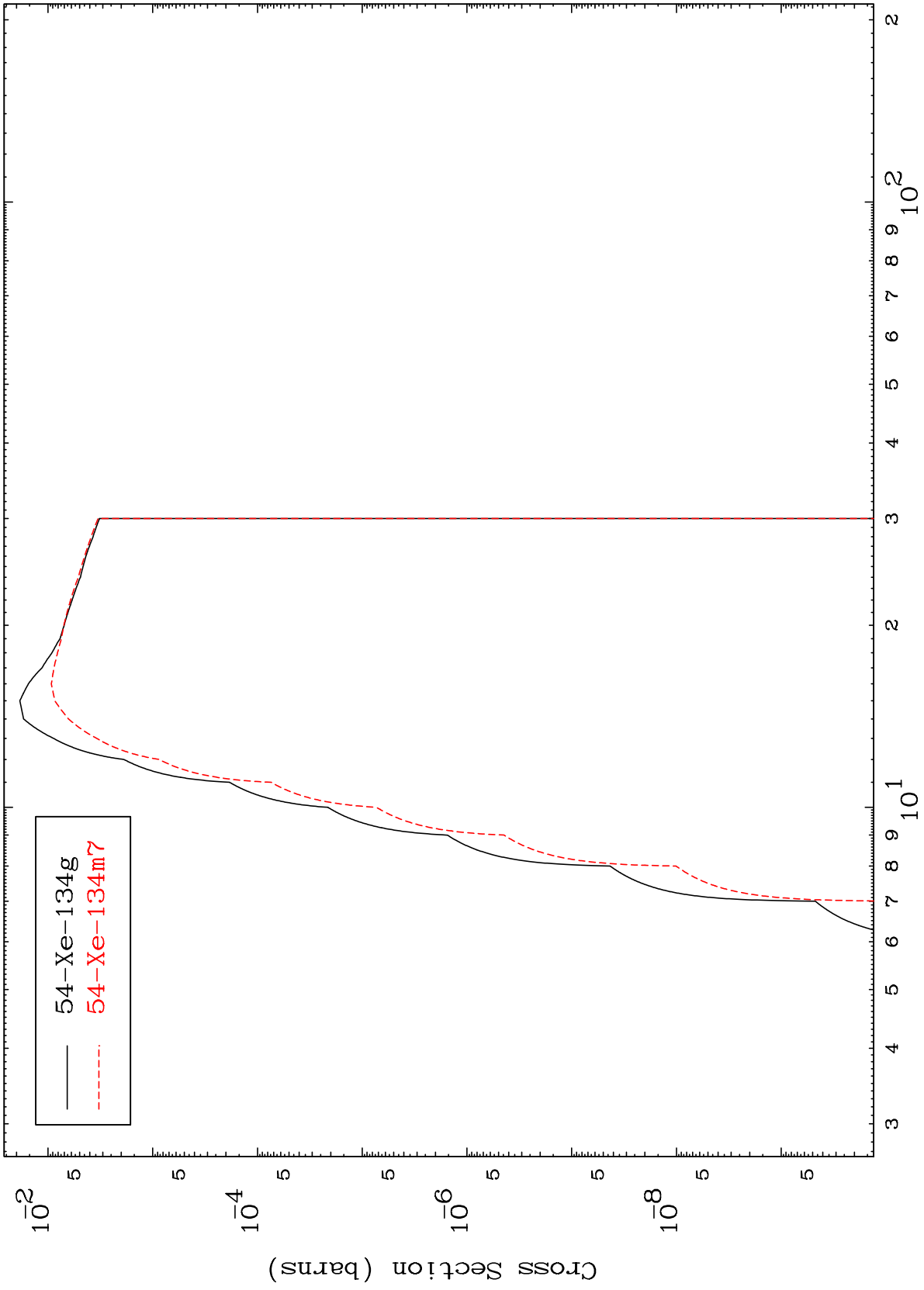
Incident Energy (MeV)

52-Te-131

MAT 5258

Radionuclide Production Cross Section

52-Te-131



11

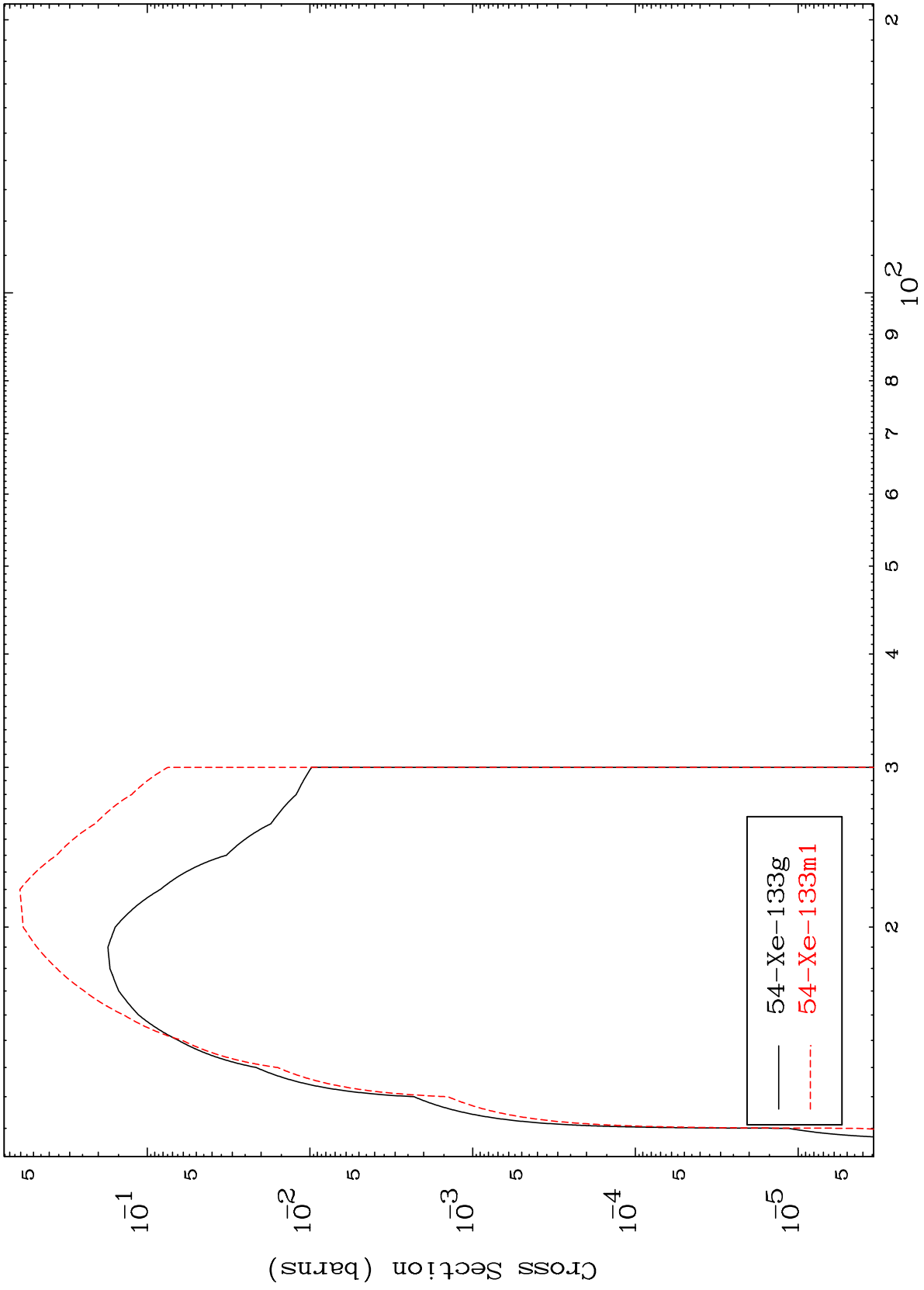
Incident Energy (MeV)

52-Te-131

MAT 5258

52-Te-131

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



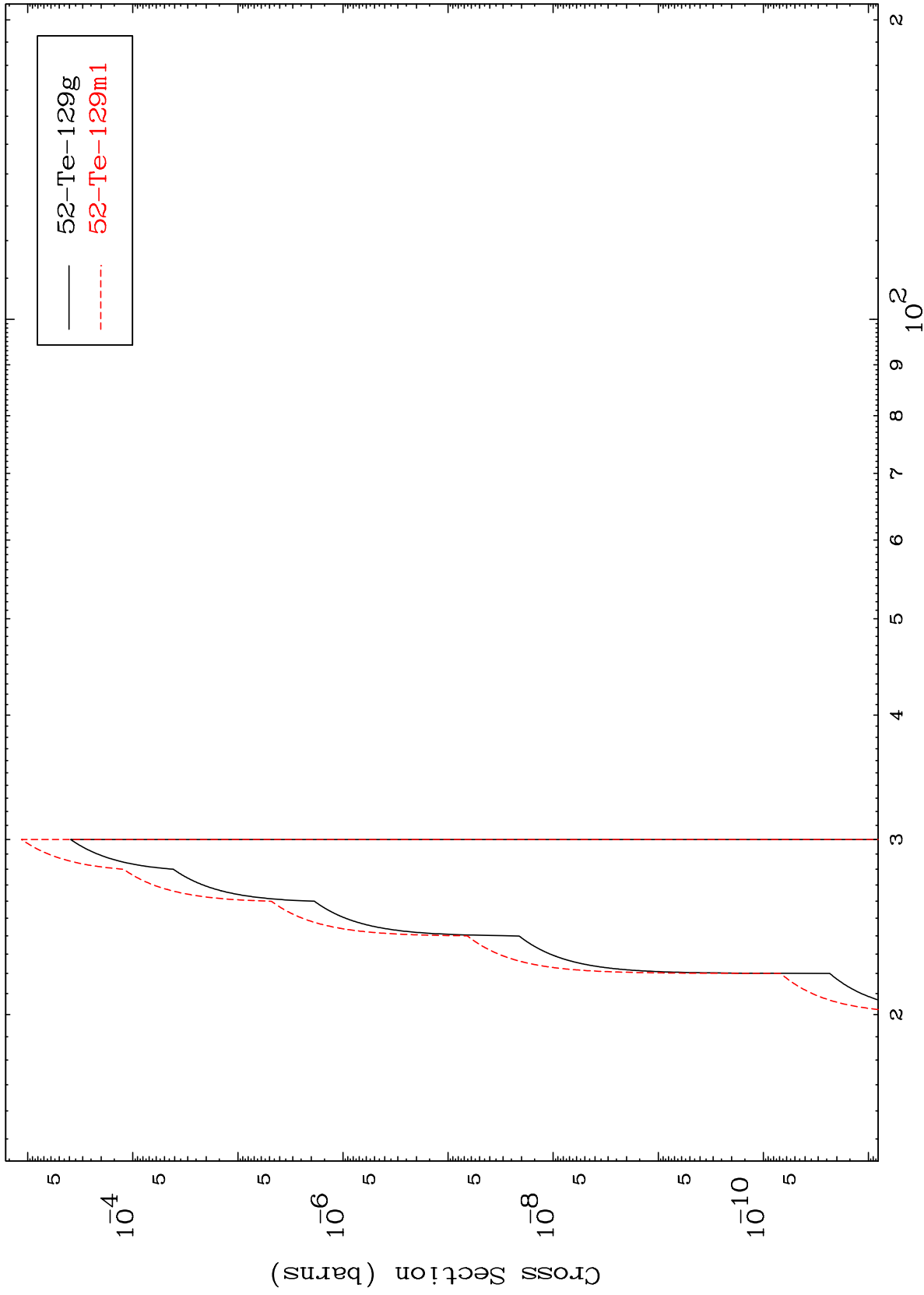
12

MAT 5258

$(\alpha, 2n) \alpha$

$^{52}\text{Te-131}$

Radionuclide Production Cross Section



13

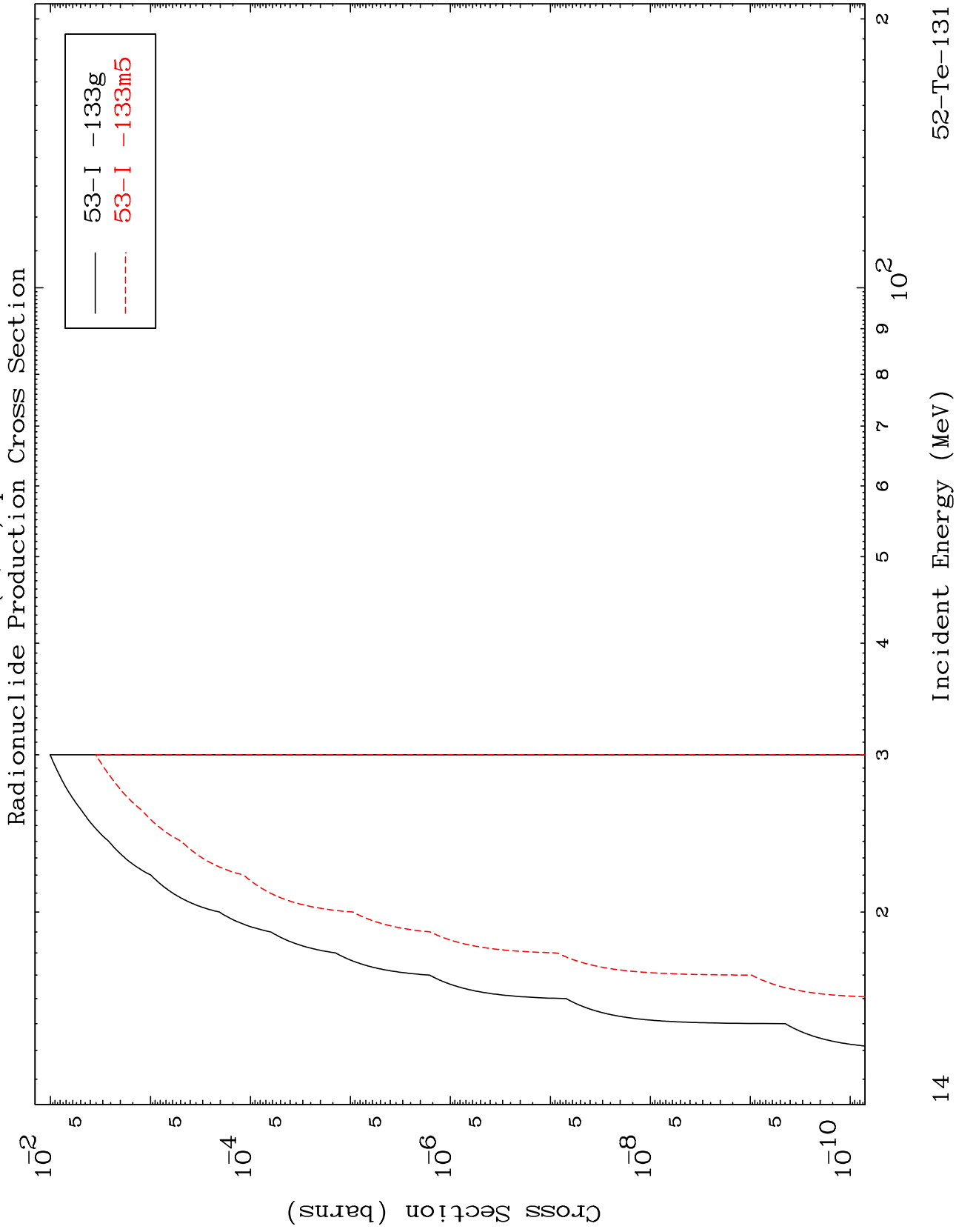
Incident Energy (MeV)

$^{52}\text{Te-131}$

MAT 5258

( $\alpha, n'$ ) p

<sup>52</sup>Te-131



14

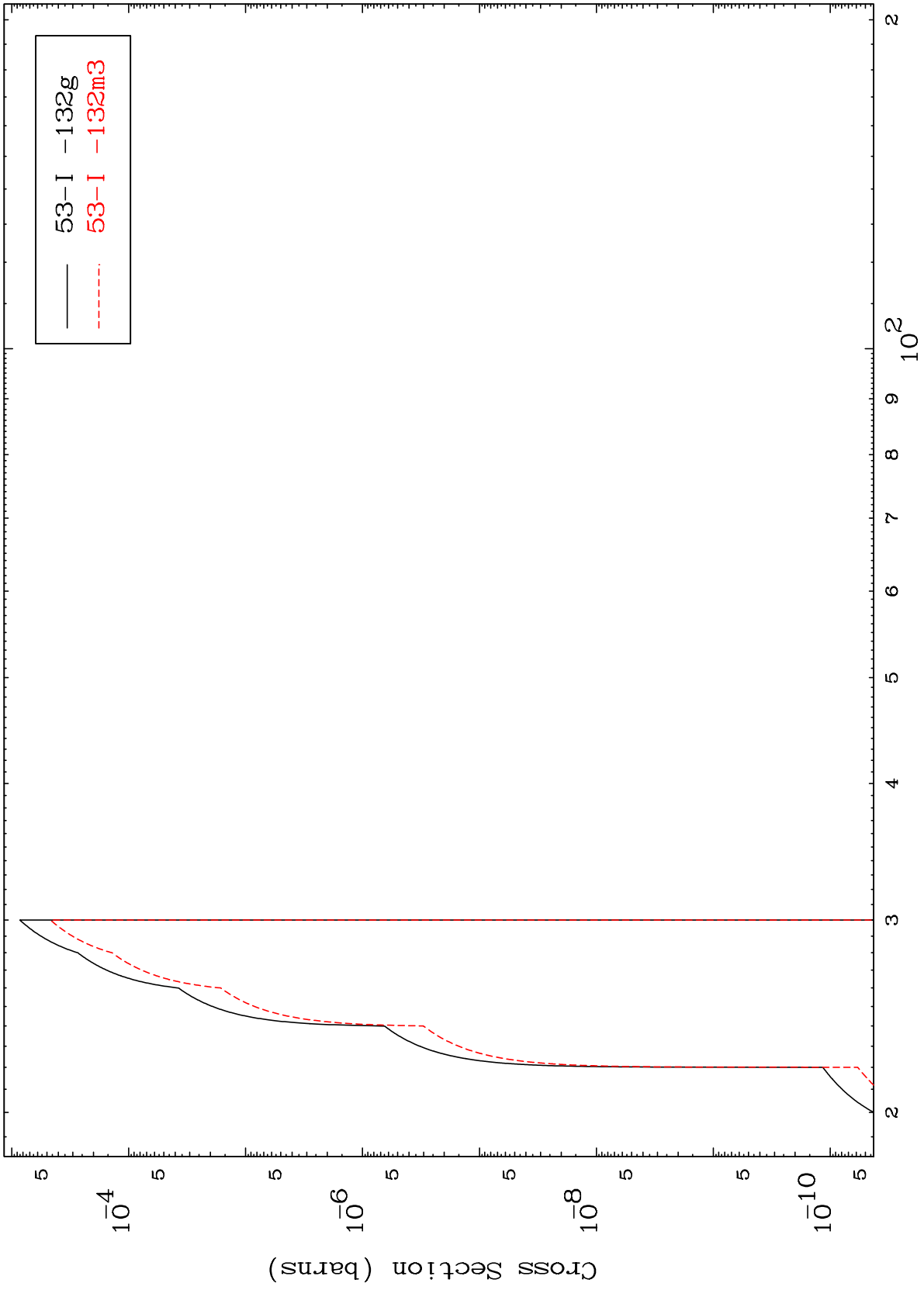
<sup>52</sup>Te-131

MAT 5258

( $\alpha, n'$ ) d

<sup>52</sup>Te-131

Radionuclide Production Cross Section



15

Incident Energy (MeV)

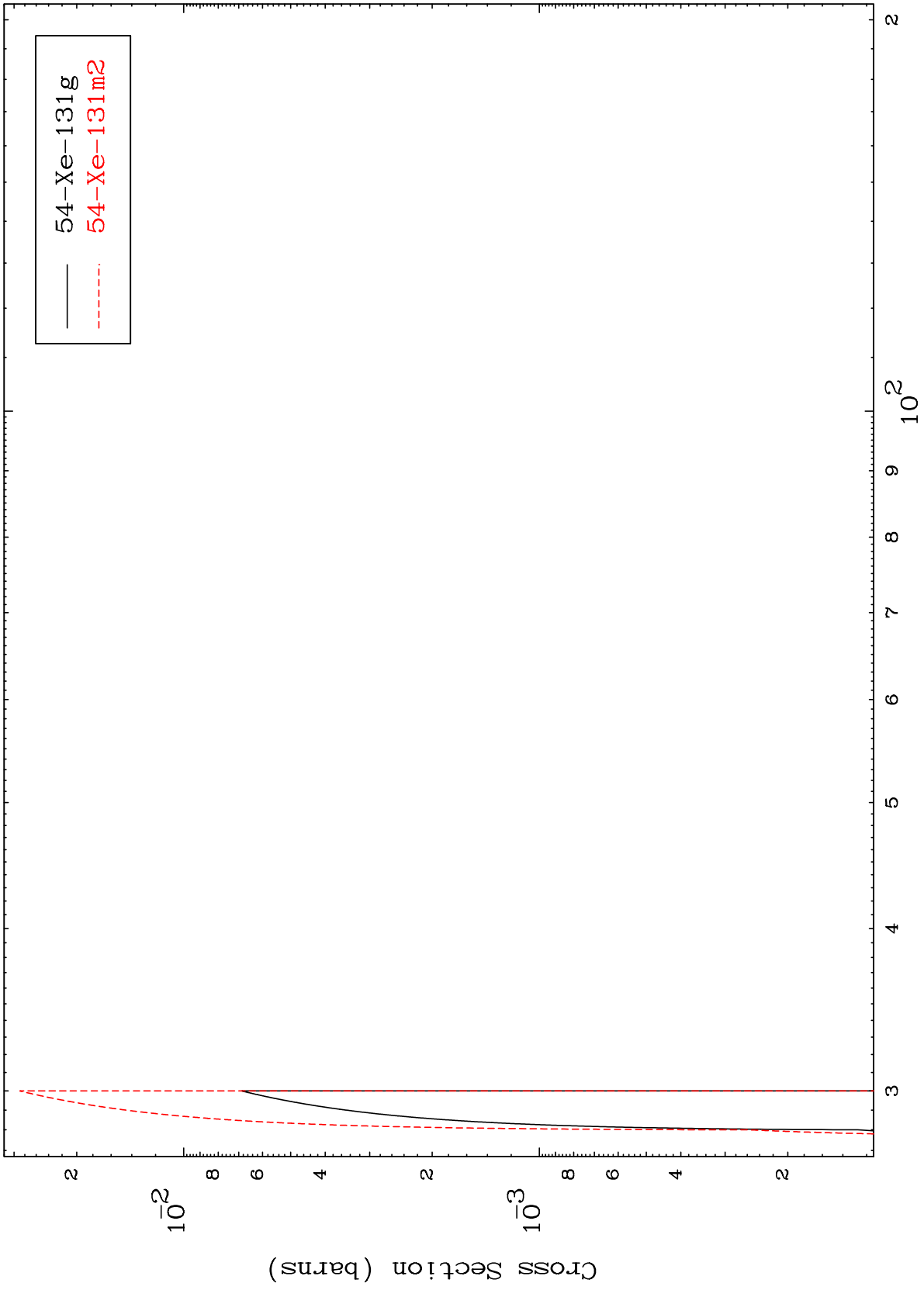
<sup>52</sup>Te-131



MAT 5258

52-Te-131

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



16

Incident Energy (MeV)

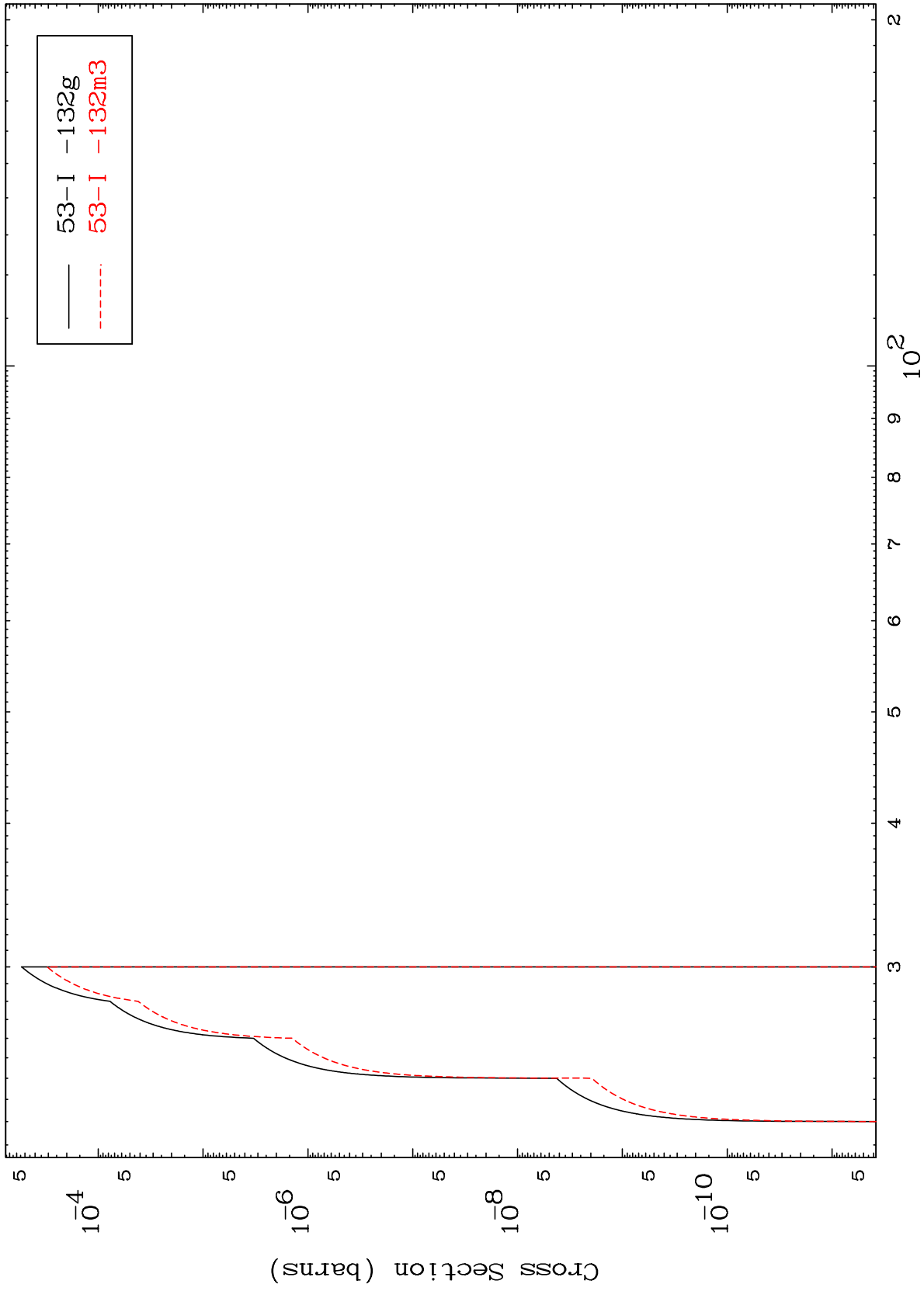
52-Te-131

MAT 5258

( $\alpha, 2n$ ) p

<sup>52</sup>Te-131

Radionuclide Production Cross Section



17

Incident Energy (MeV)

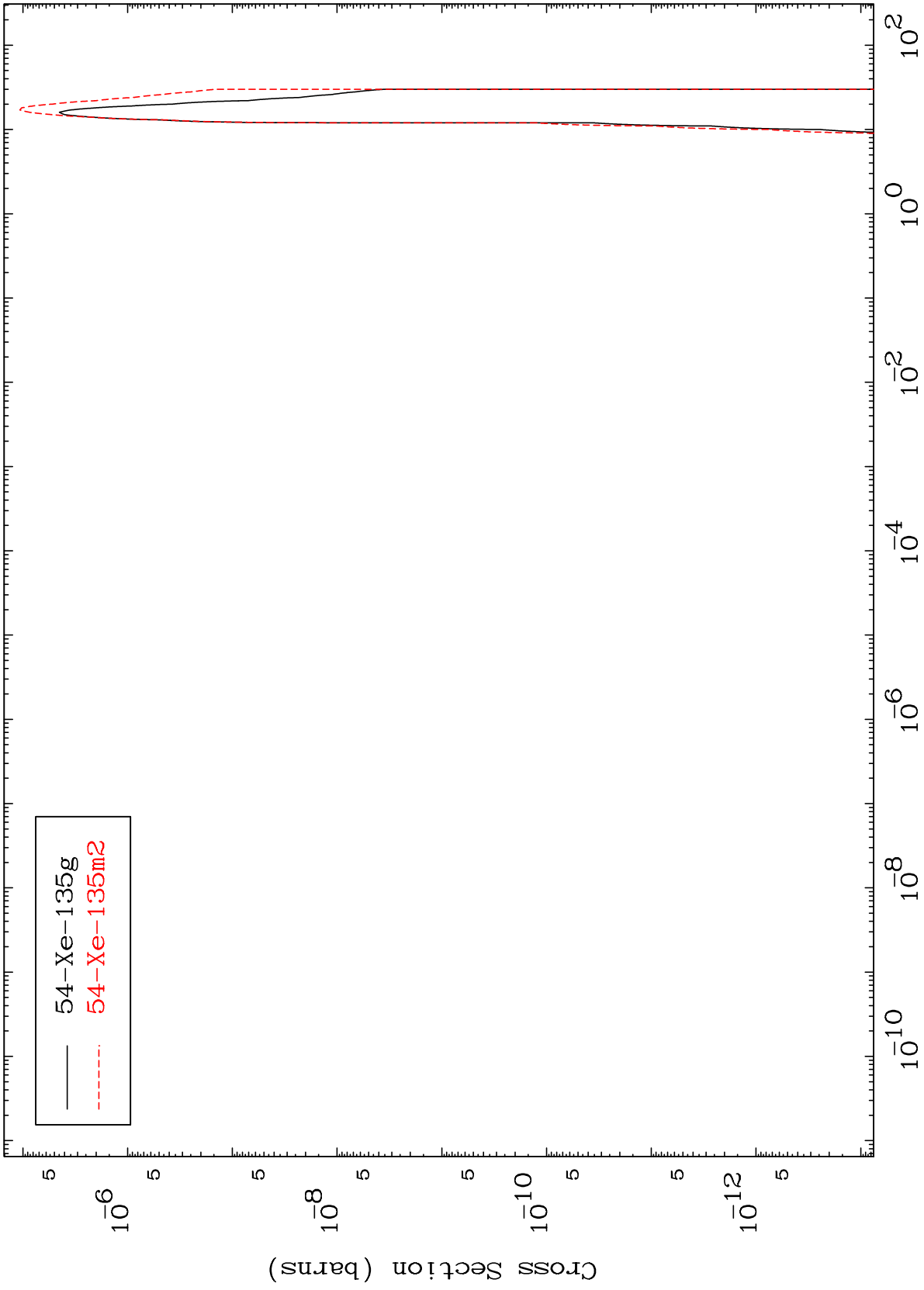
<sup>52</sup>Te-131

MAT 5258

( $\alpha, \gamma$ )

52-Te-131

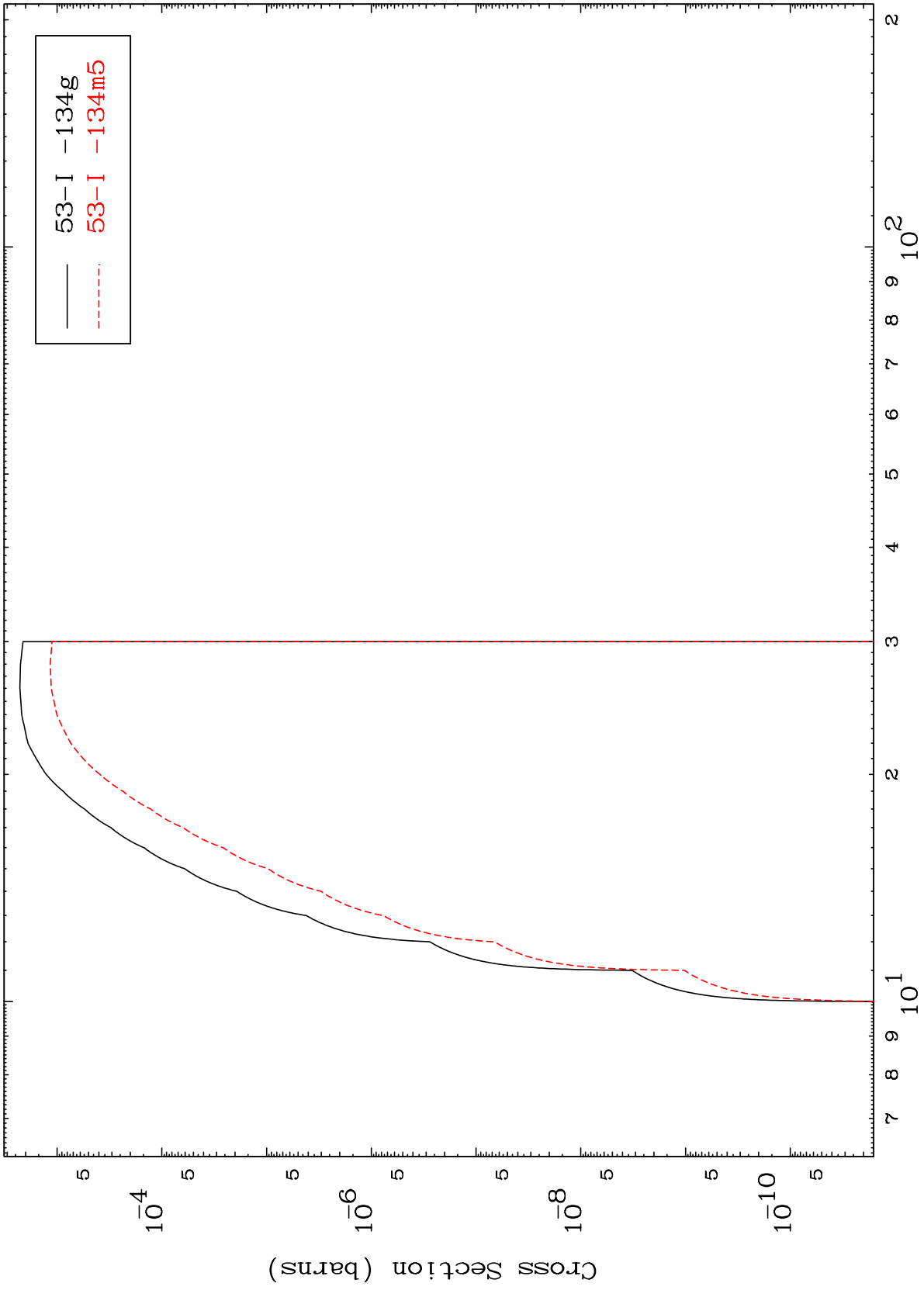
Radionuclide Production Cross Section



MAT 5258

52-Te-131

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



19

Incident Energy (MeV)

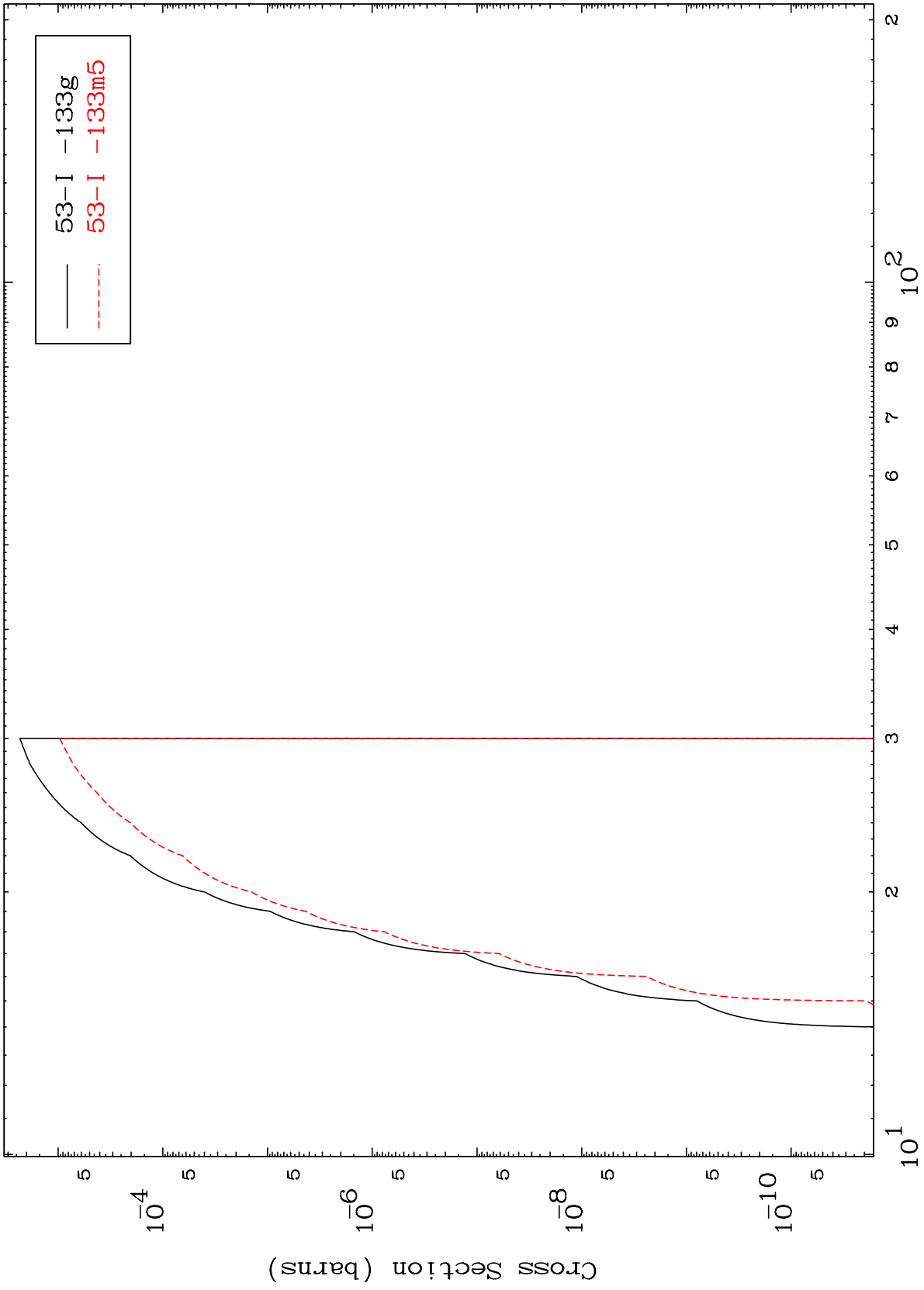
52-Te-131

MAT 5258

( $\alpha, d$ )

<sup>52</sup>Te-131

Radionuclide Production Cross Section



Incident Energy (MeV)

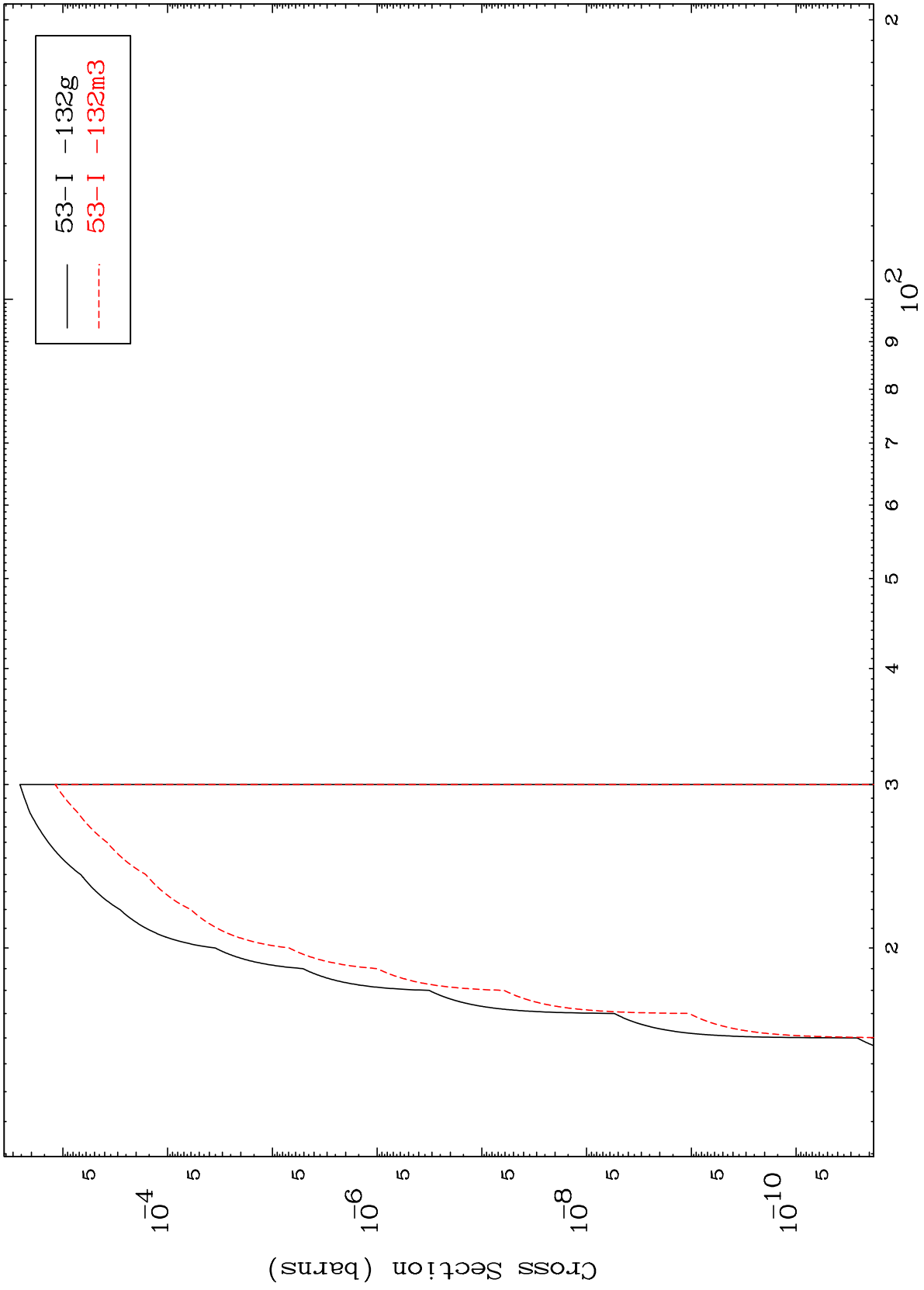
<sup>52</sup>Te-131

MAT 5258

( $\alpha, t$ )

<sup>52</sup>Te-131

Radionuclide Production Cross Section



21

Incident Energy (MeV)

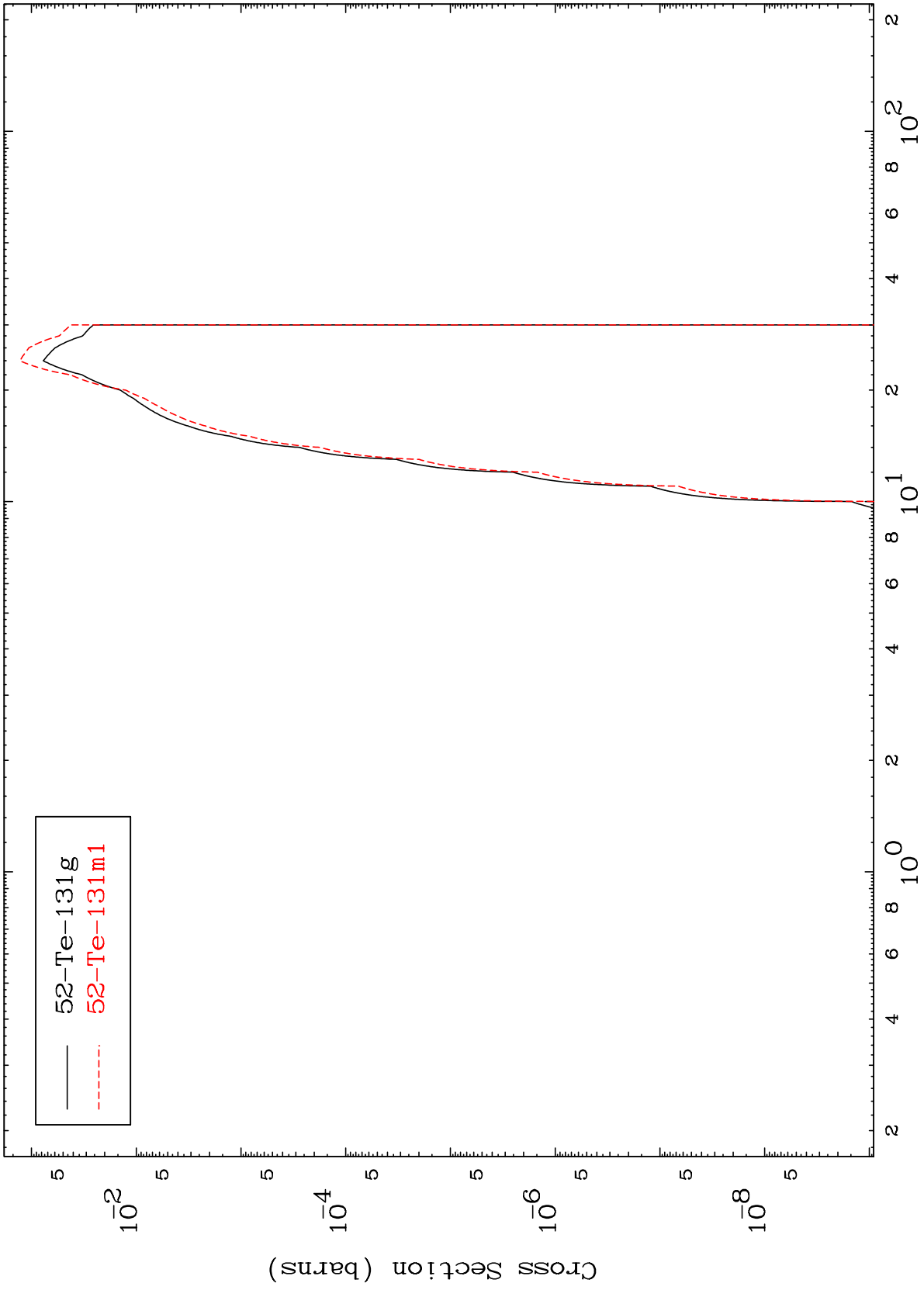
<sup>52</sup>Te-131

MAT 5258

( $\alpha, \alpha$ )

<sup>52</sup>Te-131

Radionuclide Production Cross Section



22

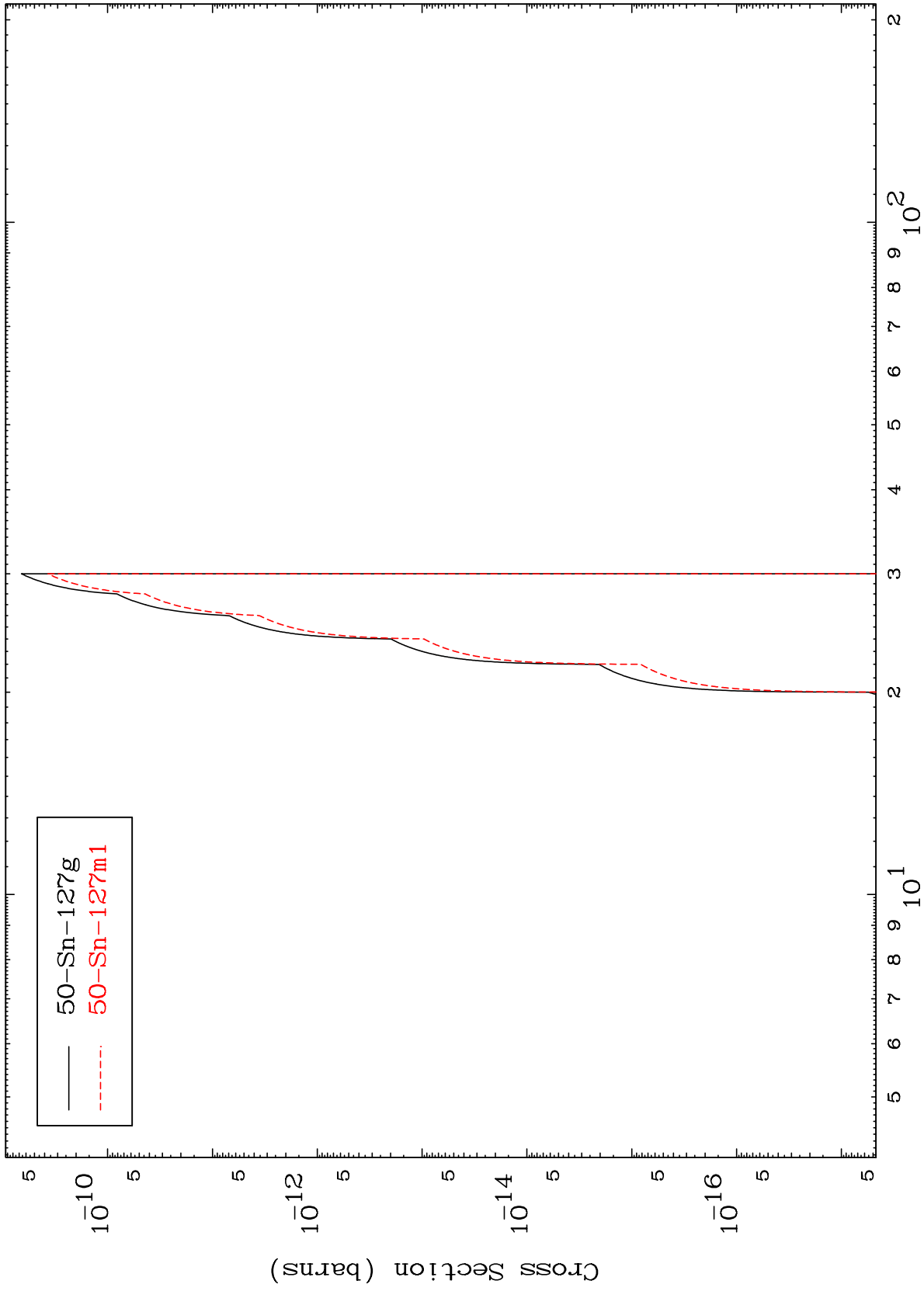
Incident Energy (MeV)

<sup>52</sup>Te-131

MAT 5258

52-Te-131

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



23

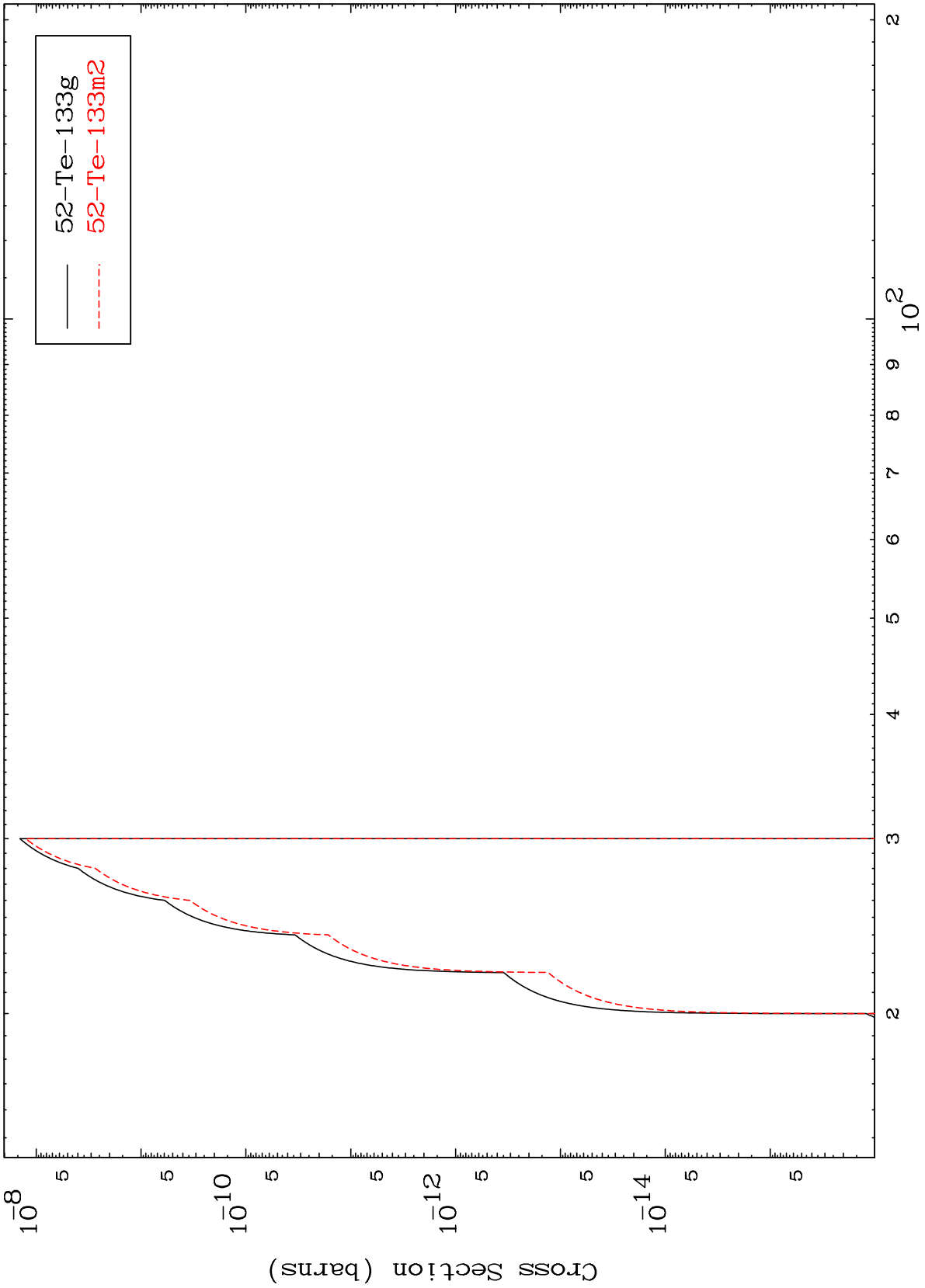
52-Te-131



MAT 5258

52-Te-131

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



24

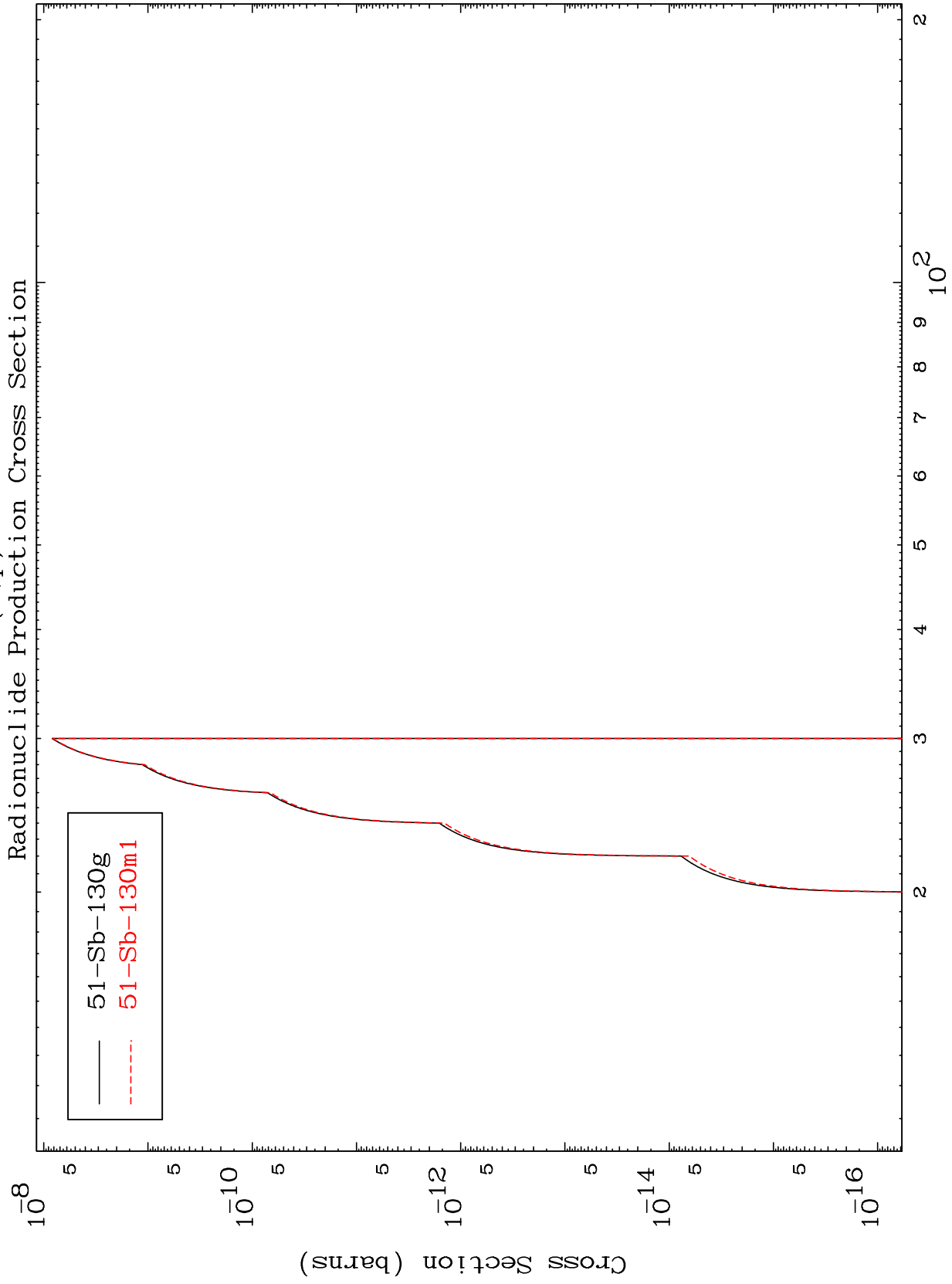
52-Te-131

Incident Energy (MeV)

MAT 5258

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

52-Te-131



25

Incident Energy (MeV)

52-Te-131