

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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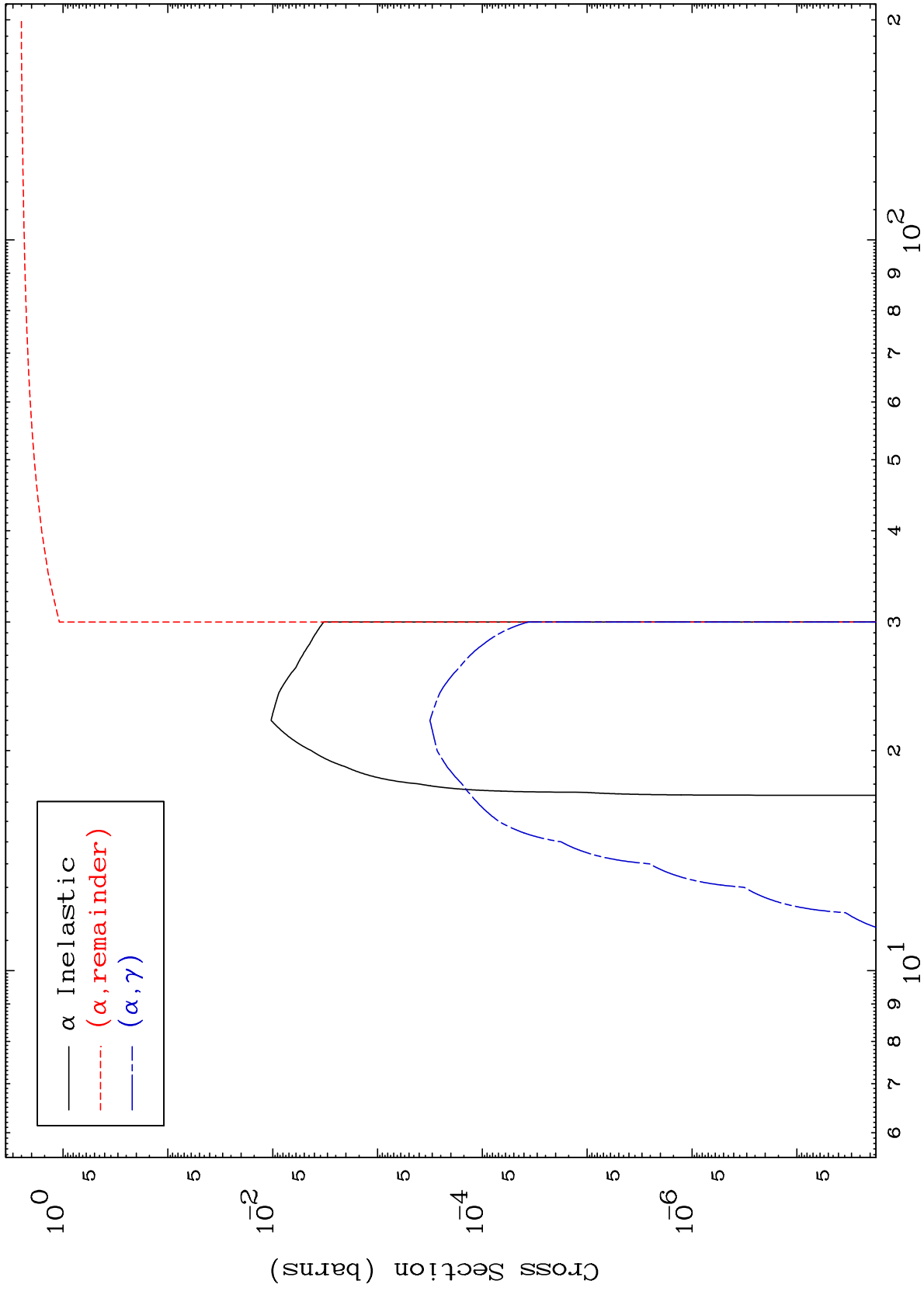
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7268

0 Kelvin  $\alpha$  Major  
Cross Sections

$^{73}\text{Ta-161}$



1

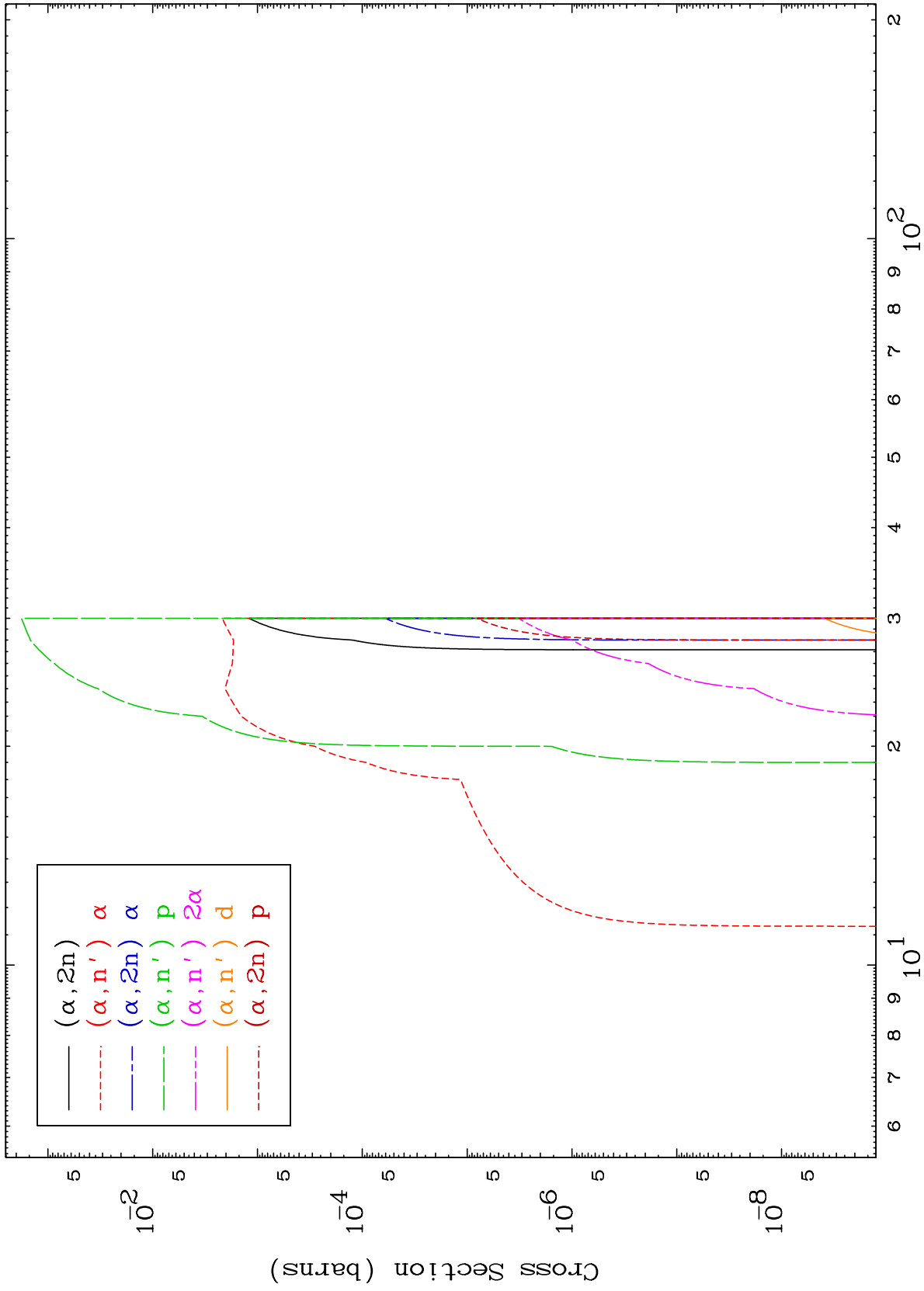
Incident Energy (MeV)

$^{73}\text{Ta-161}$

MAT 7268

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

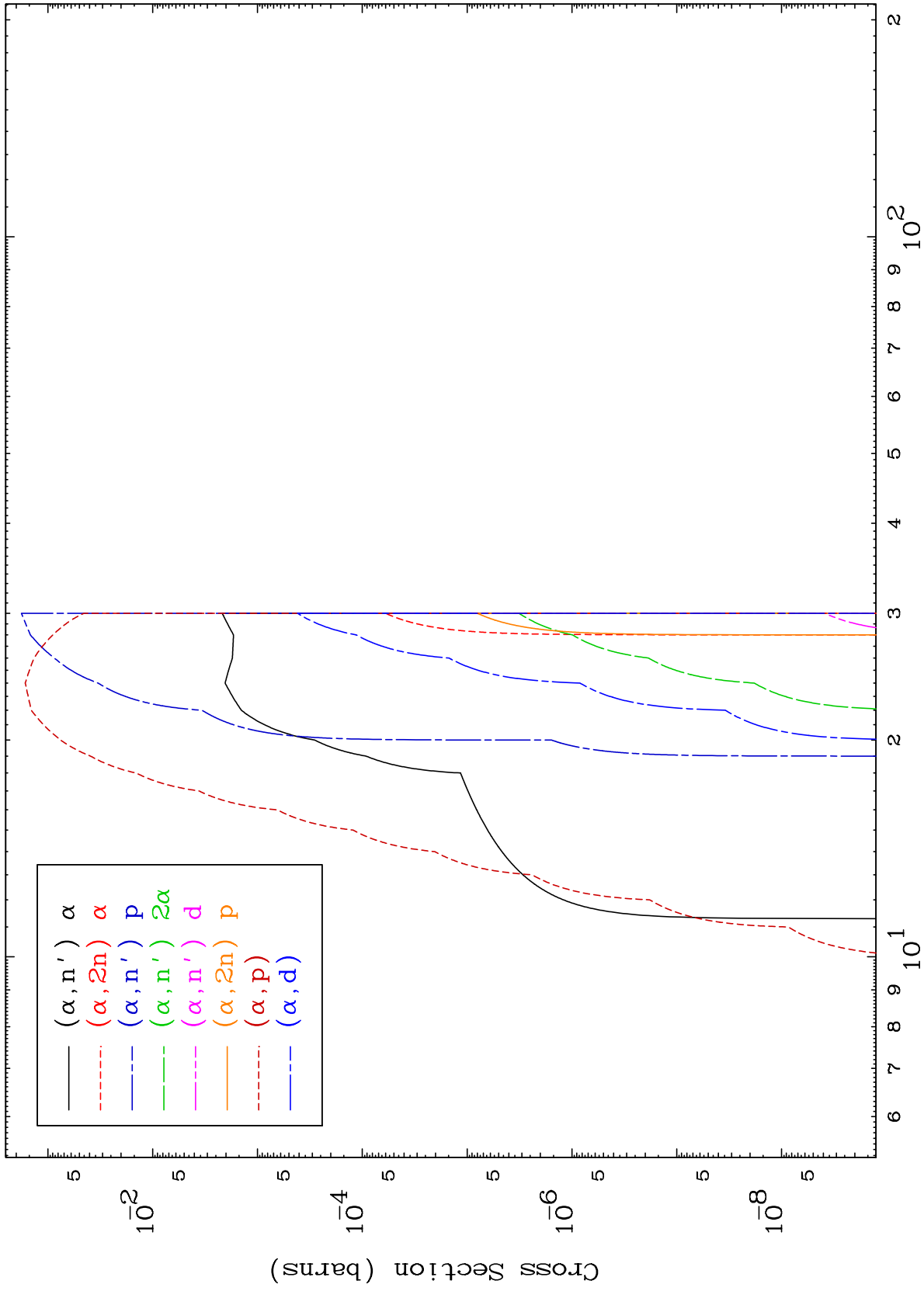
73-Ta-161



2

Incident Energy (MeV)

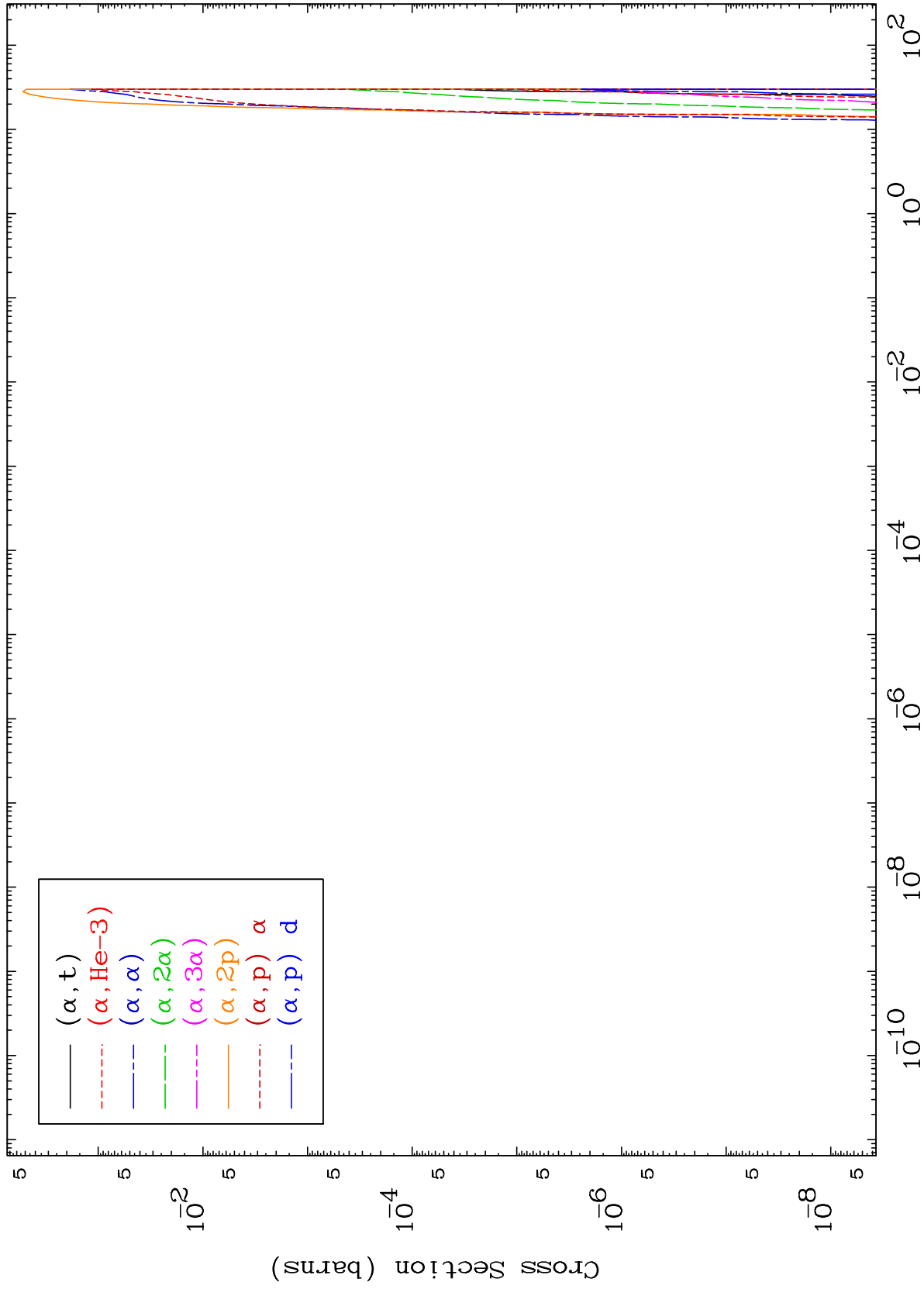
73-Ta-161



MAT 7268

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

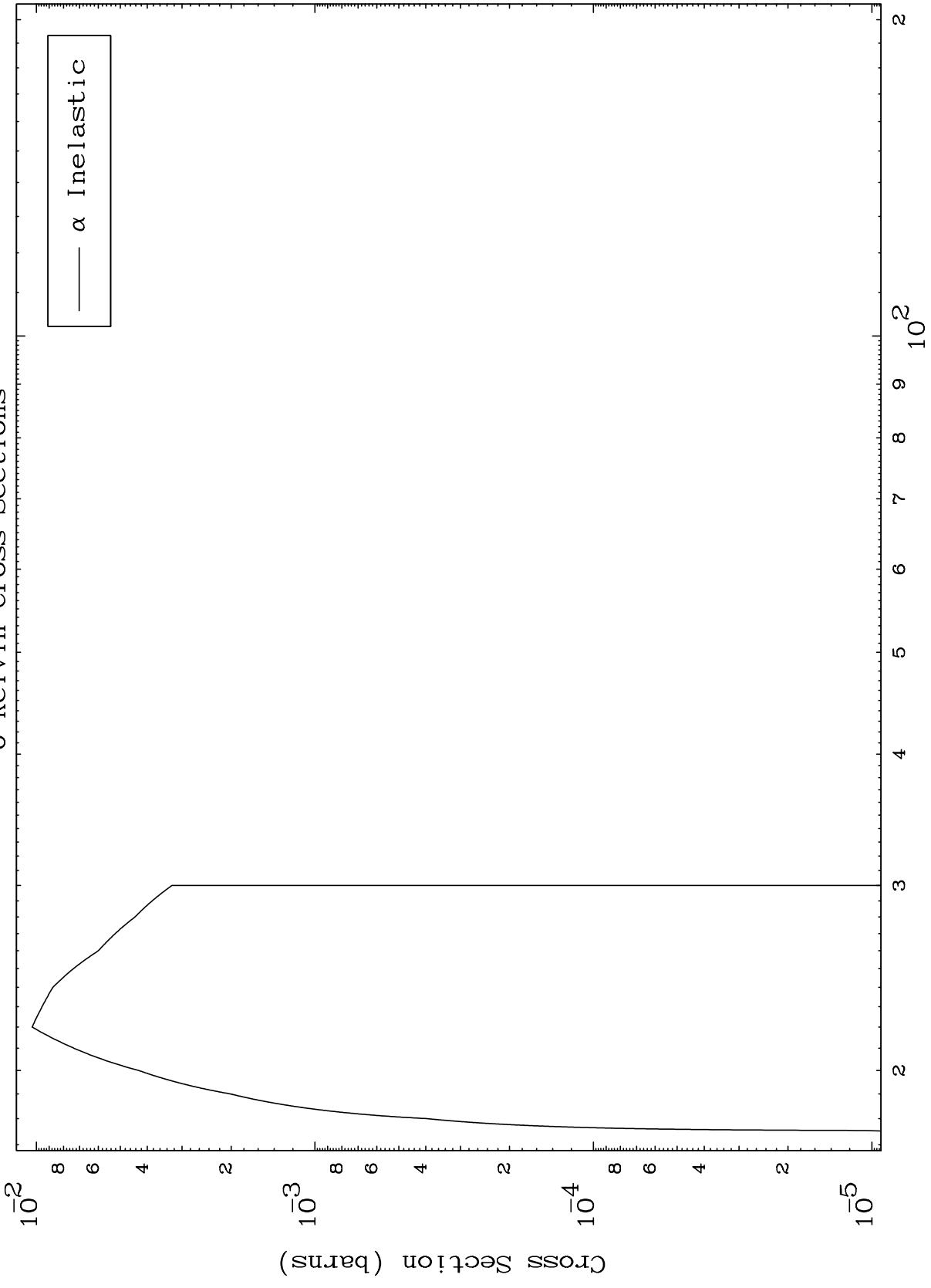
73-Ta-161



MAT 7268

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

73-Ta-161



5

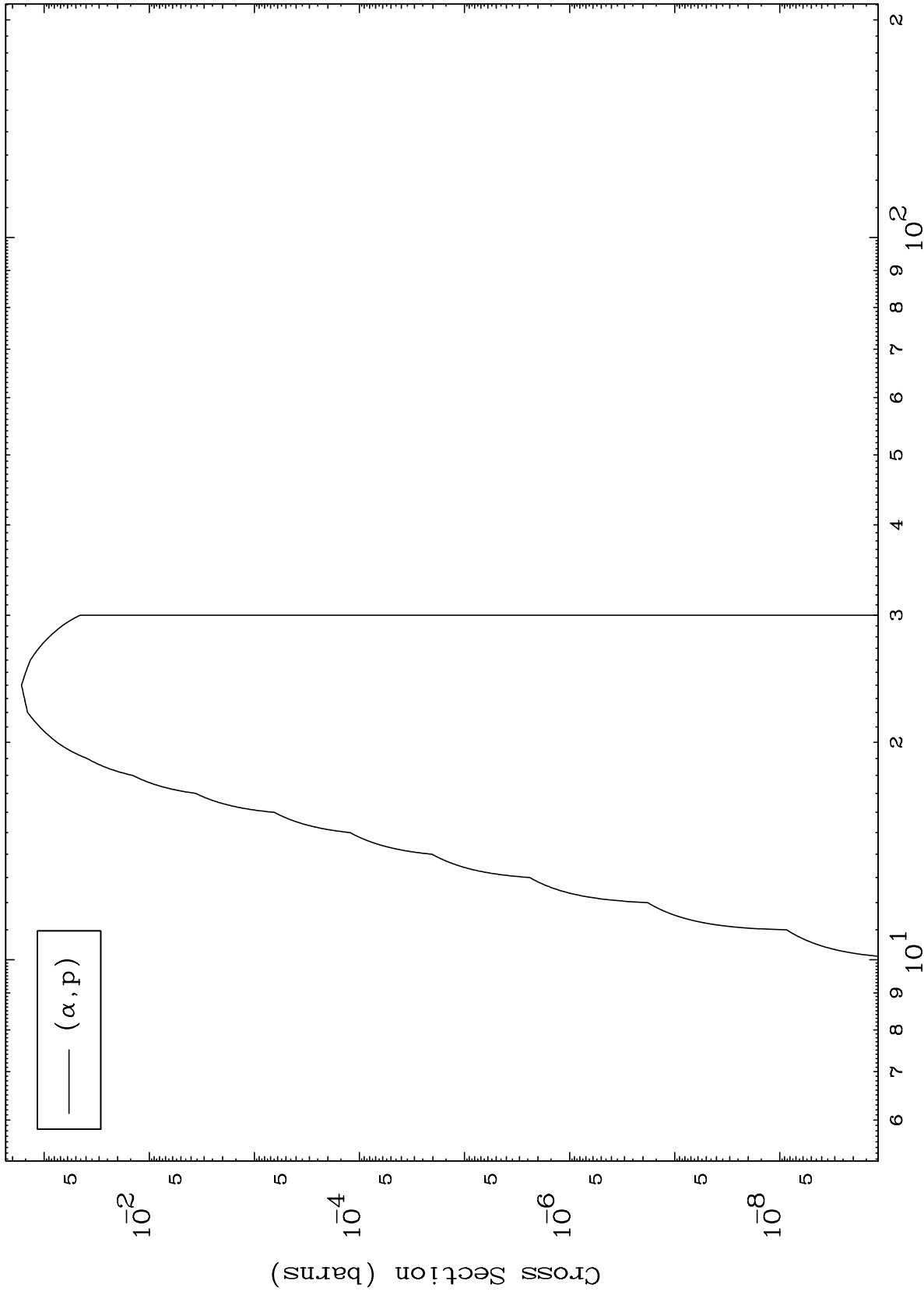
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



6

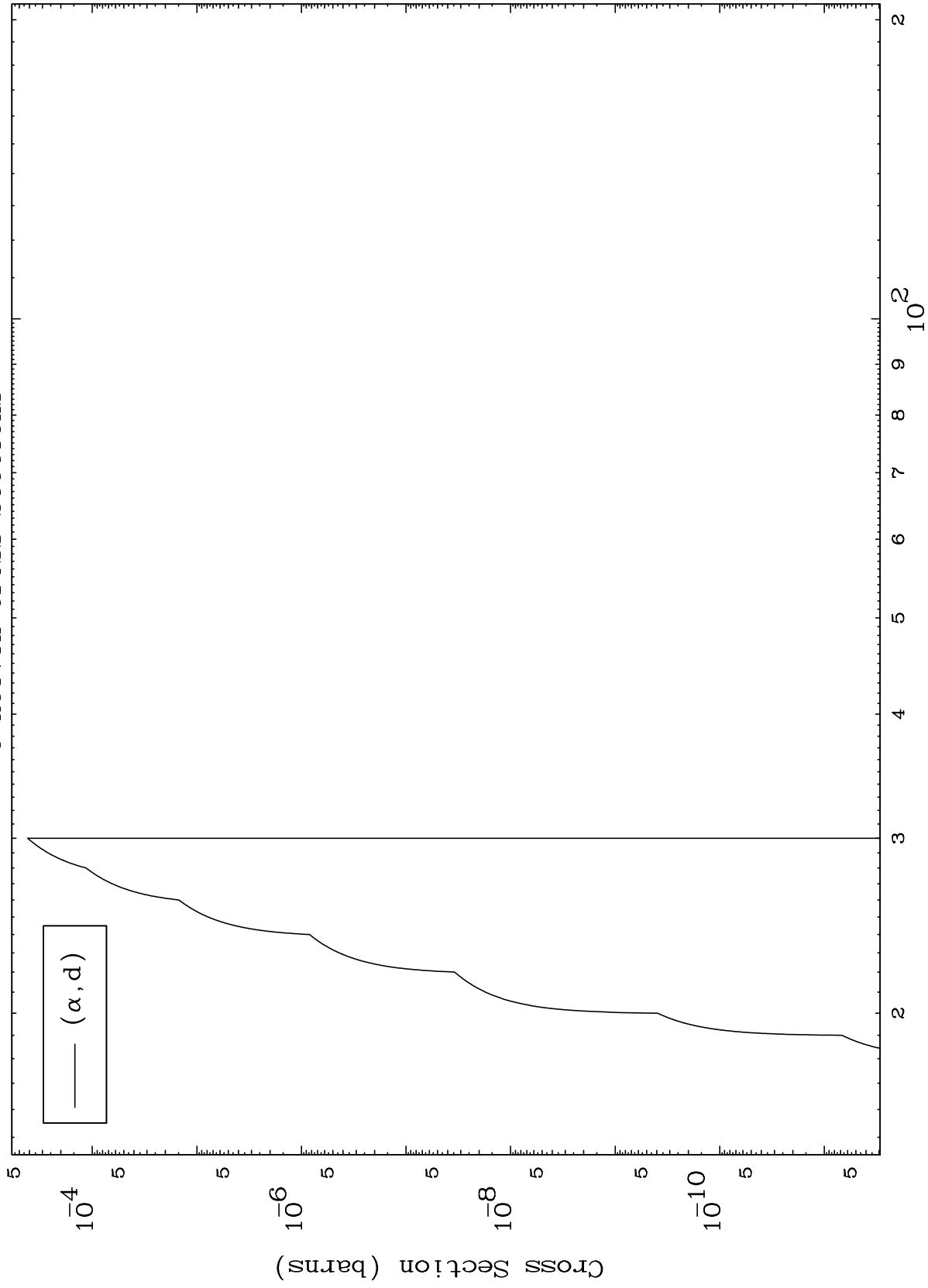
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



7

Incident Energy (MeV)

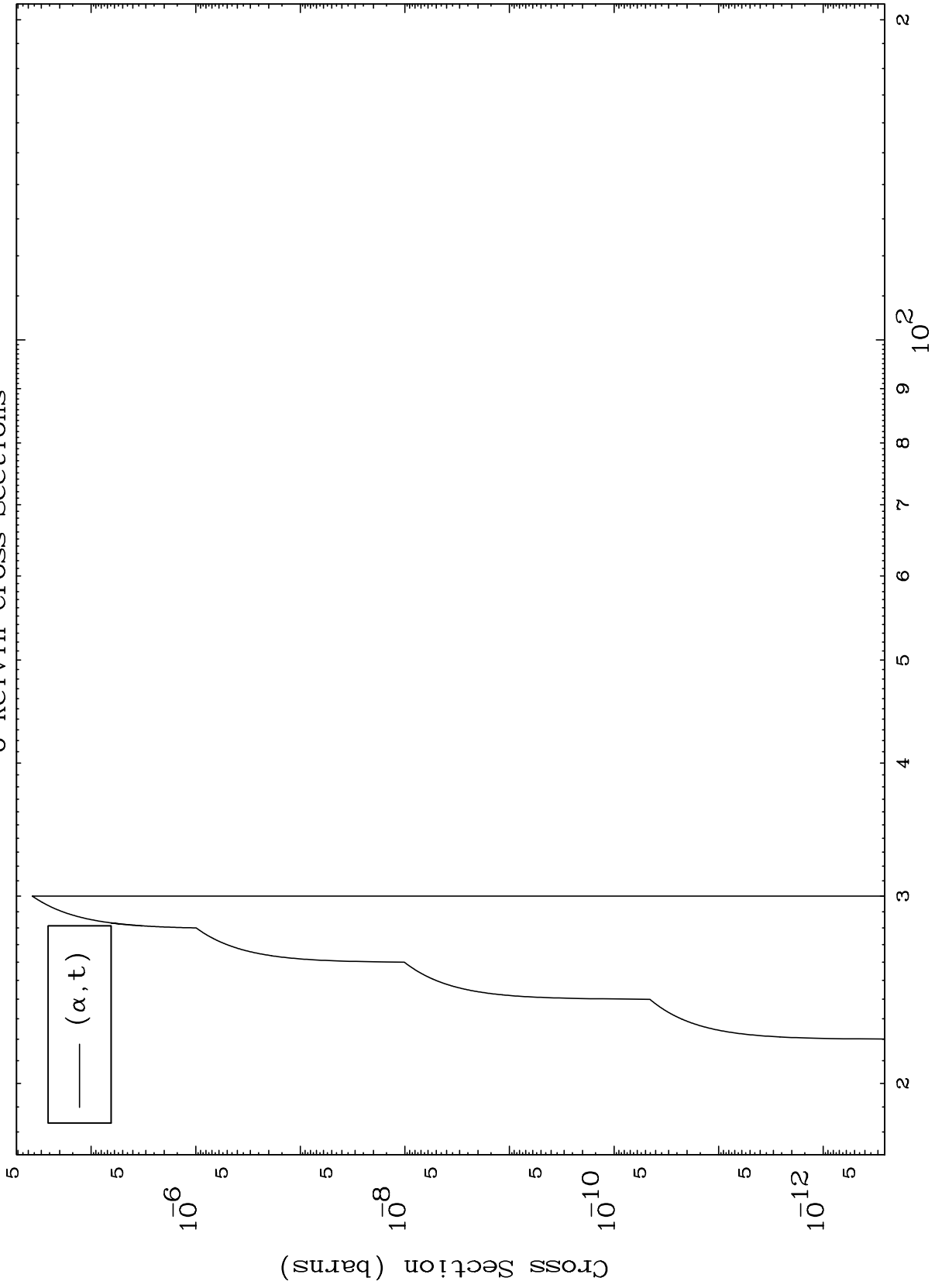
73-Ta-161



MAT 7268

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

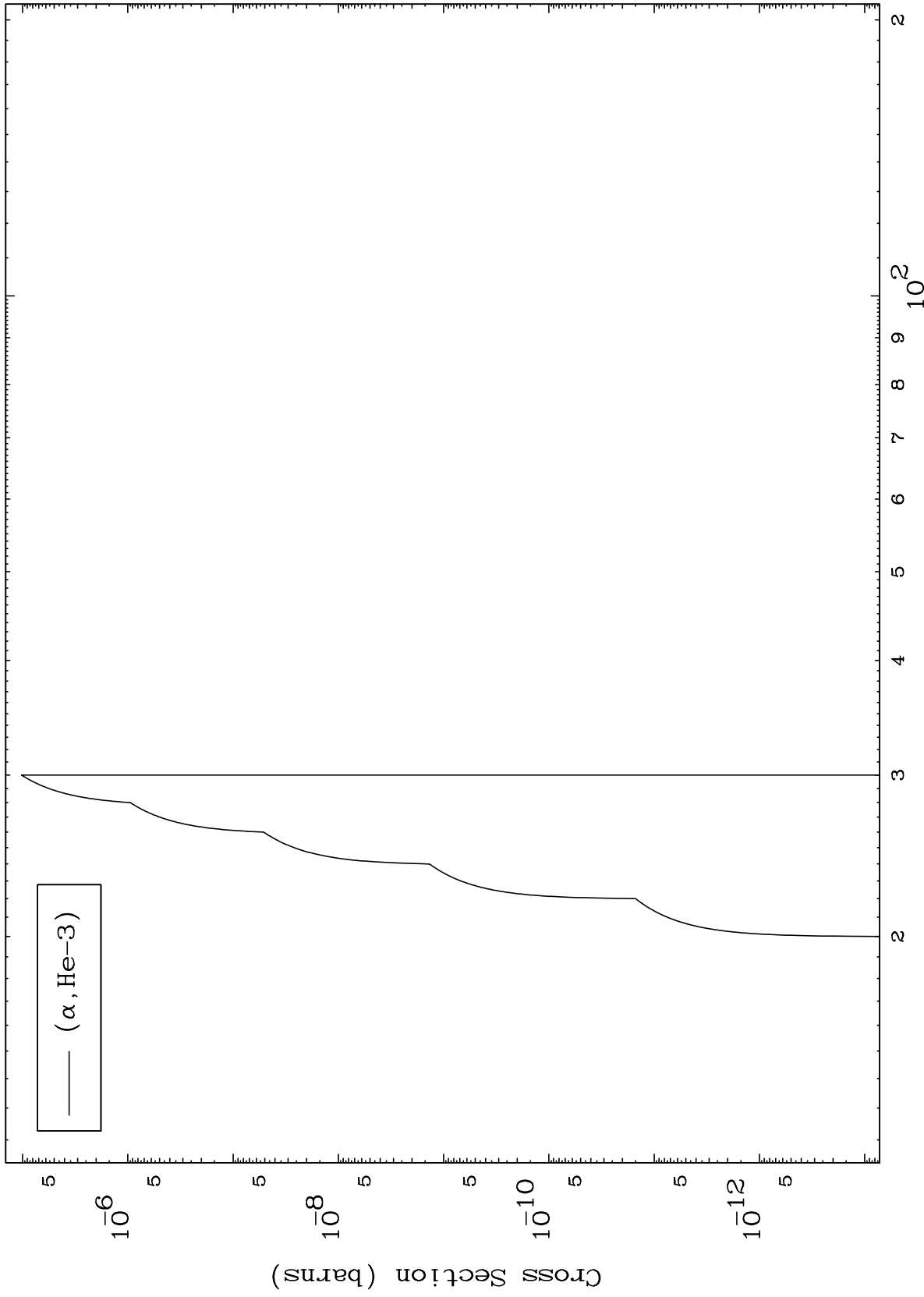
73-Ta-161



8

Incident Energy (MeV)

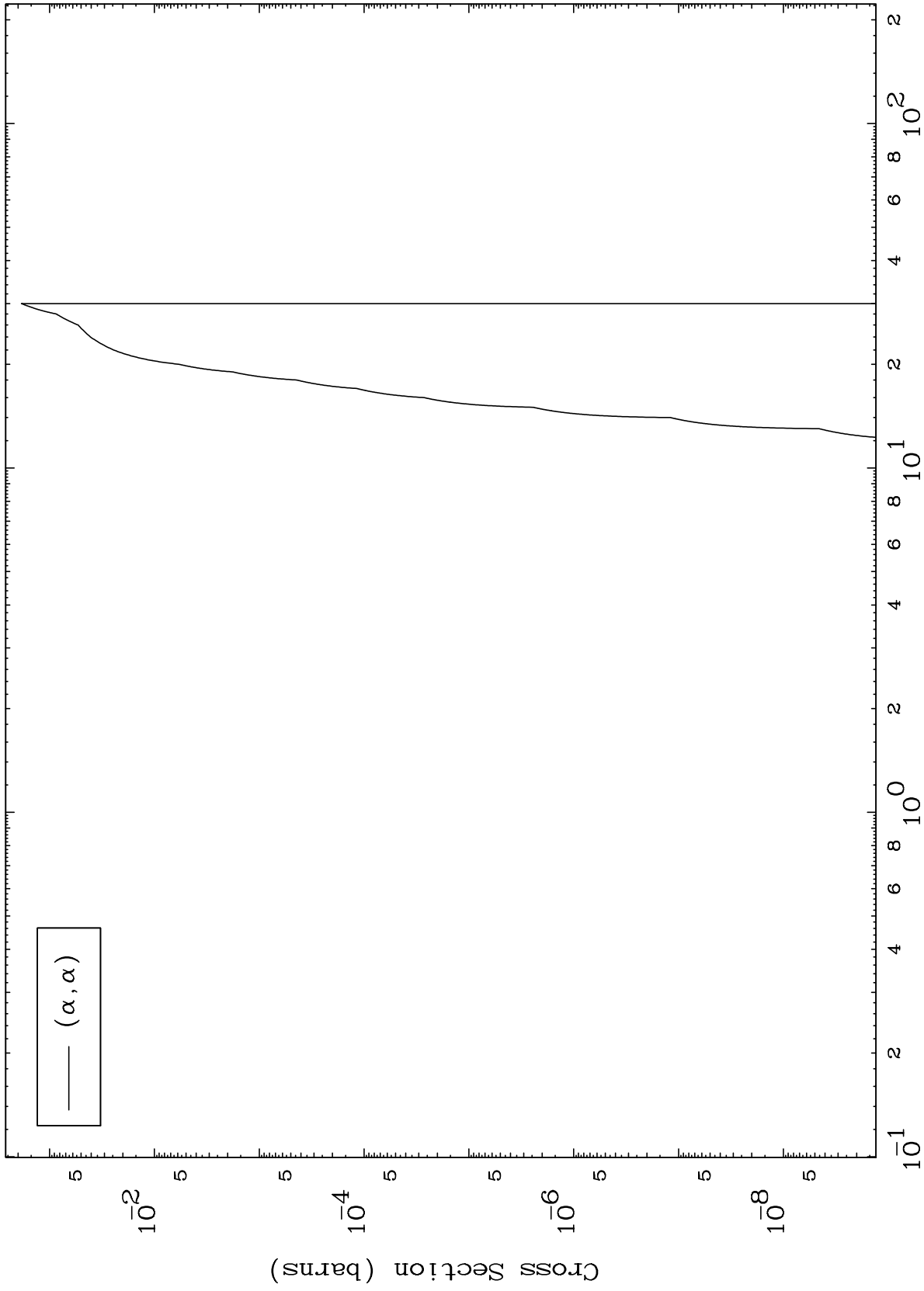
73-Ta-161



MAT 7268

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

73-Ta-161



10

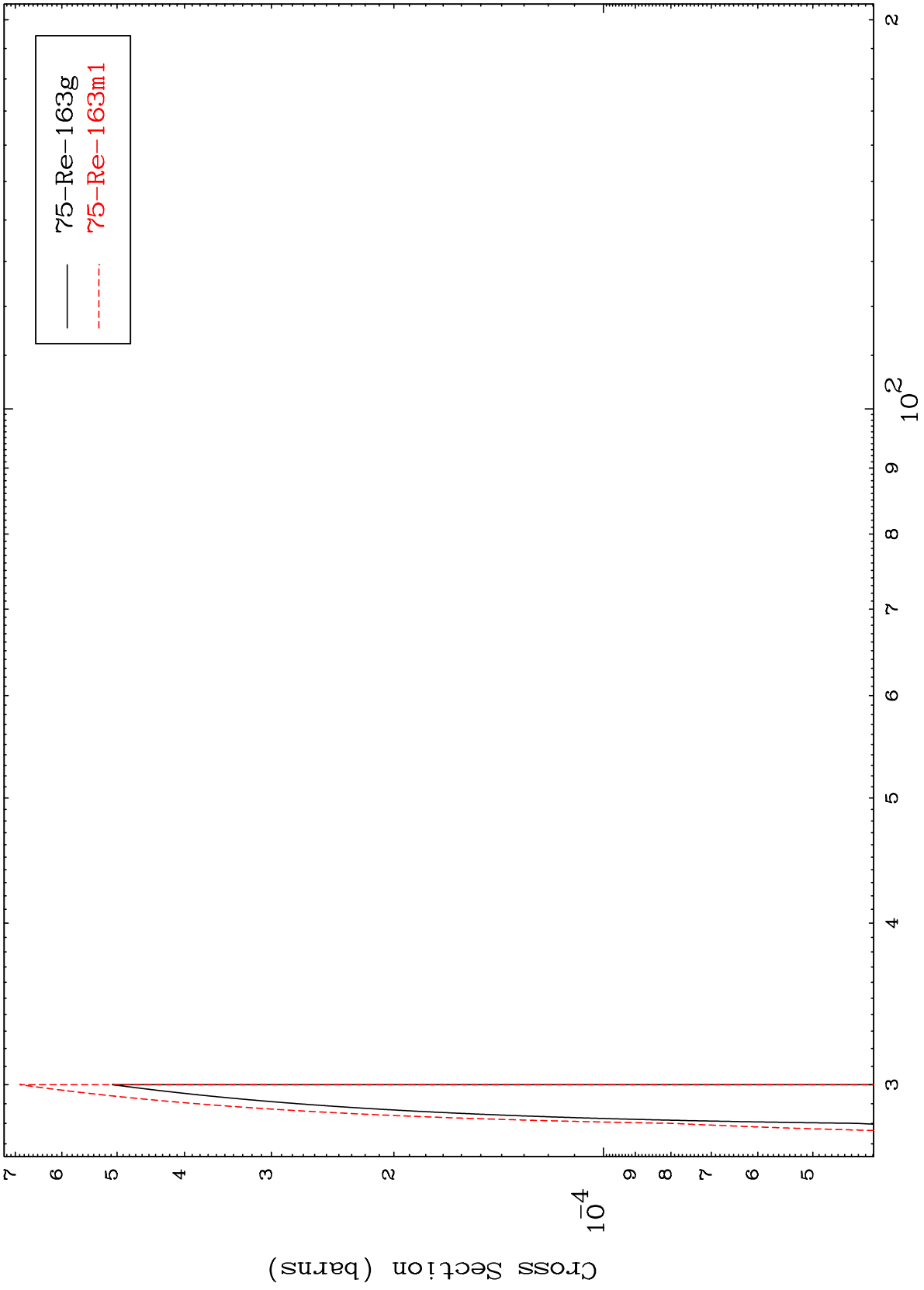
Incident Energy (MeV)

73-Ta-161

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73-Ta-161

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



11

73-Ta-161

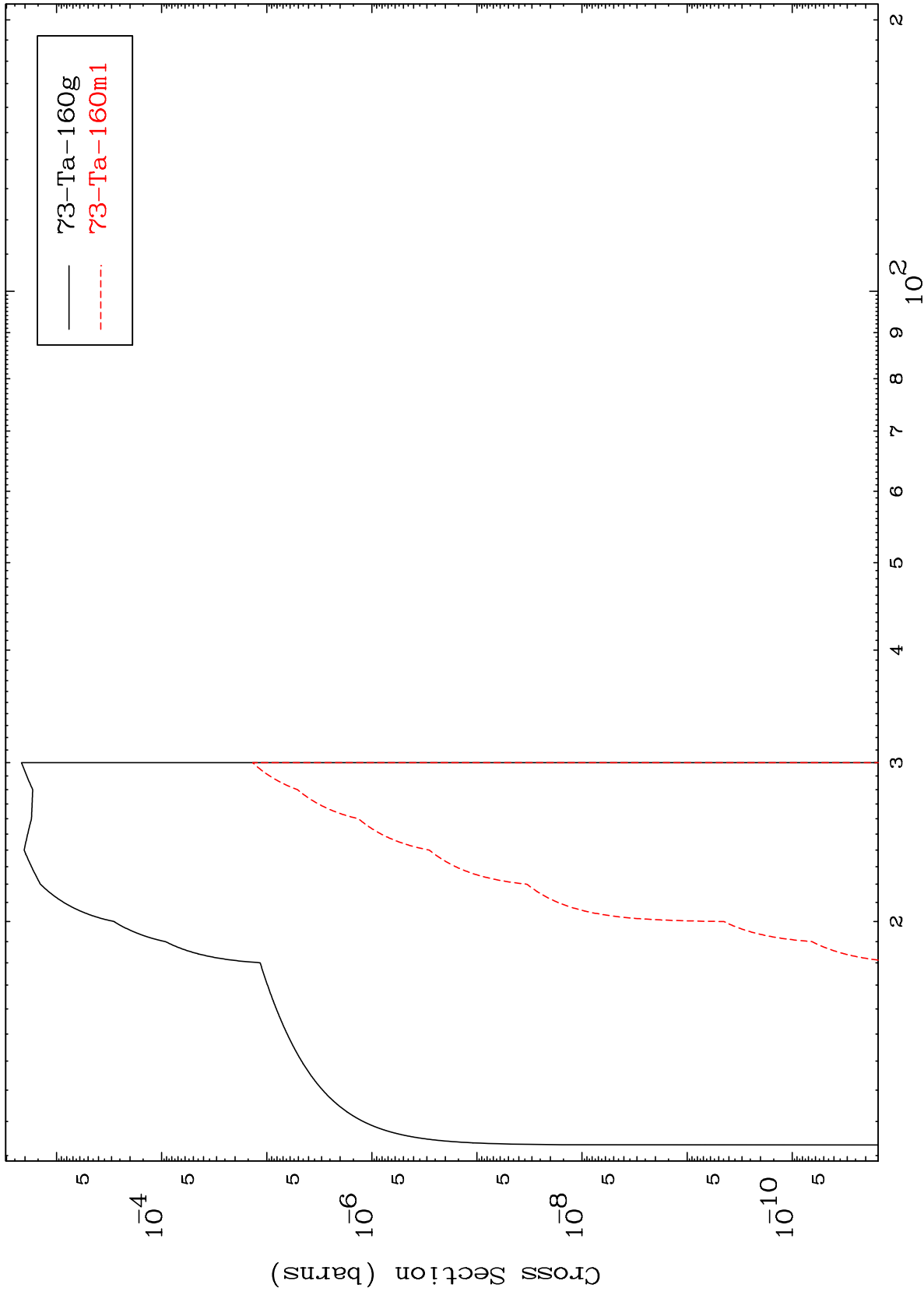
Incident Energy (MeV)

MAT 7268

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

$^{73}\text{Ta-161}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

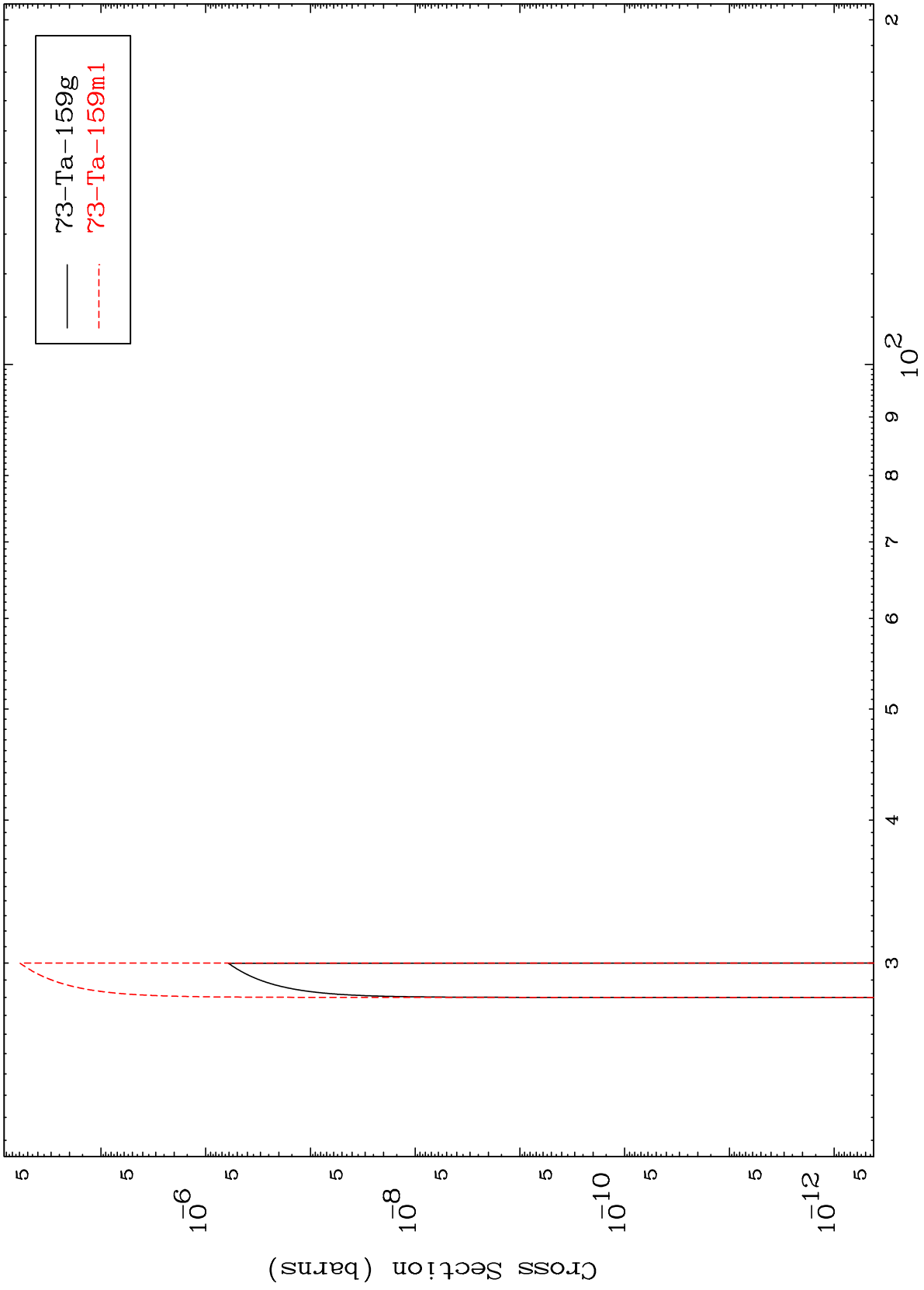
$^{73}\text{Ta-161}$

MAT 7268

$(\alpha, 2n) \alpha$

$^{73}\text{Ta-161}$

Radionuclide Production Cross Section



13

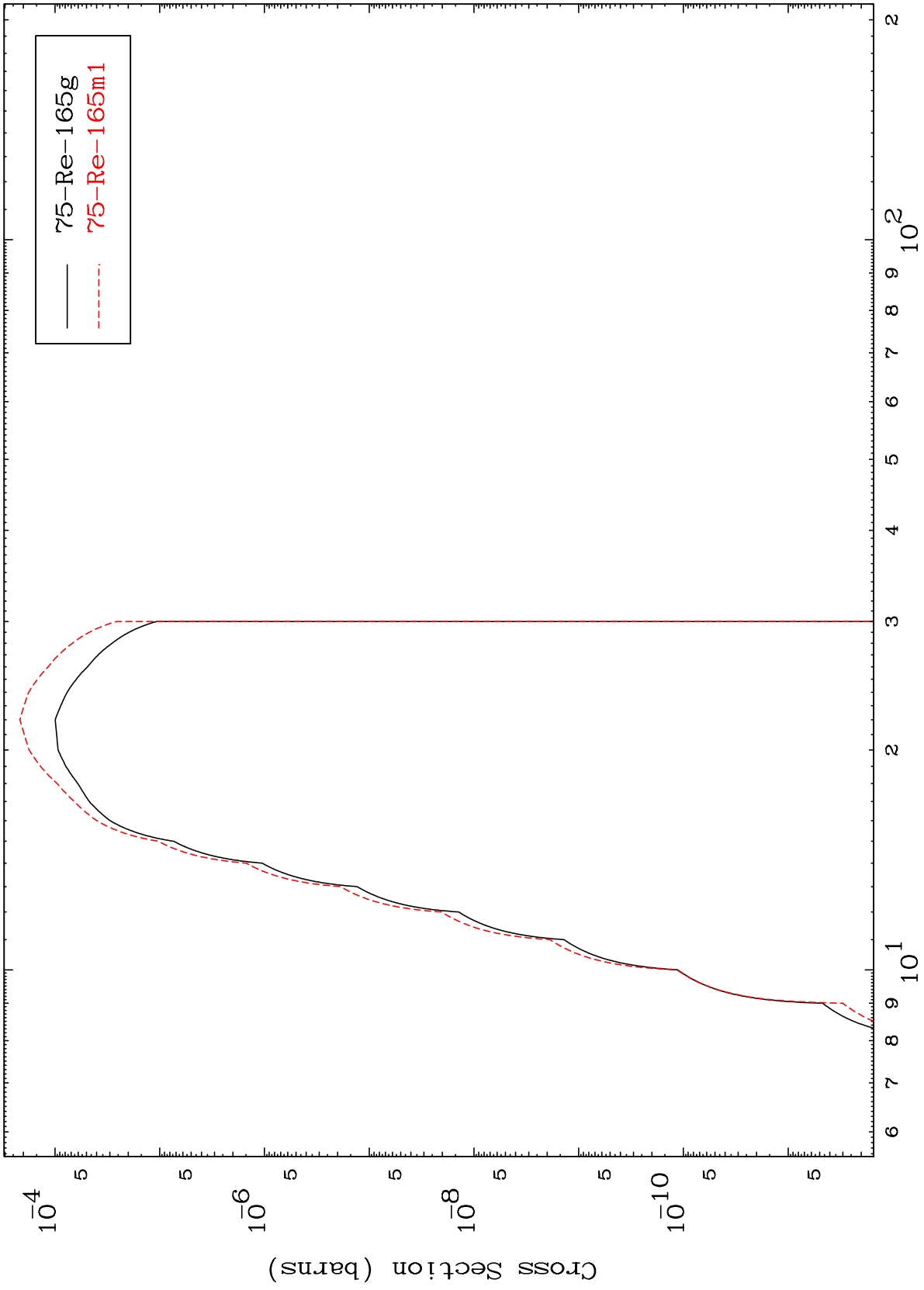
Incident Energy (MeV)

$^{73}\text{Ta-161}$

MAT 7268

<sup>73</sup>Ta-161

<sup>( $\alpha, \gamma$ )</sup>  
Radionuclide Production Cross Section



14

Incident Energy (MeV)

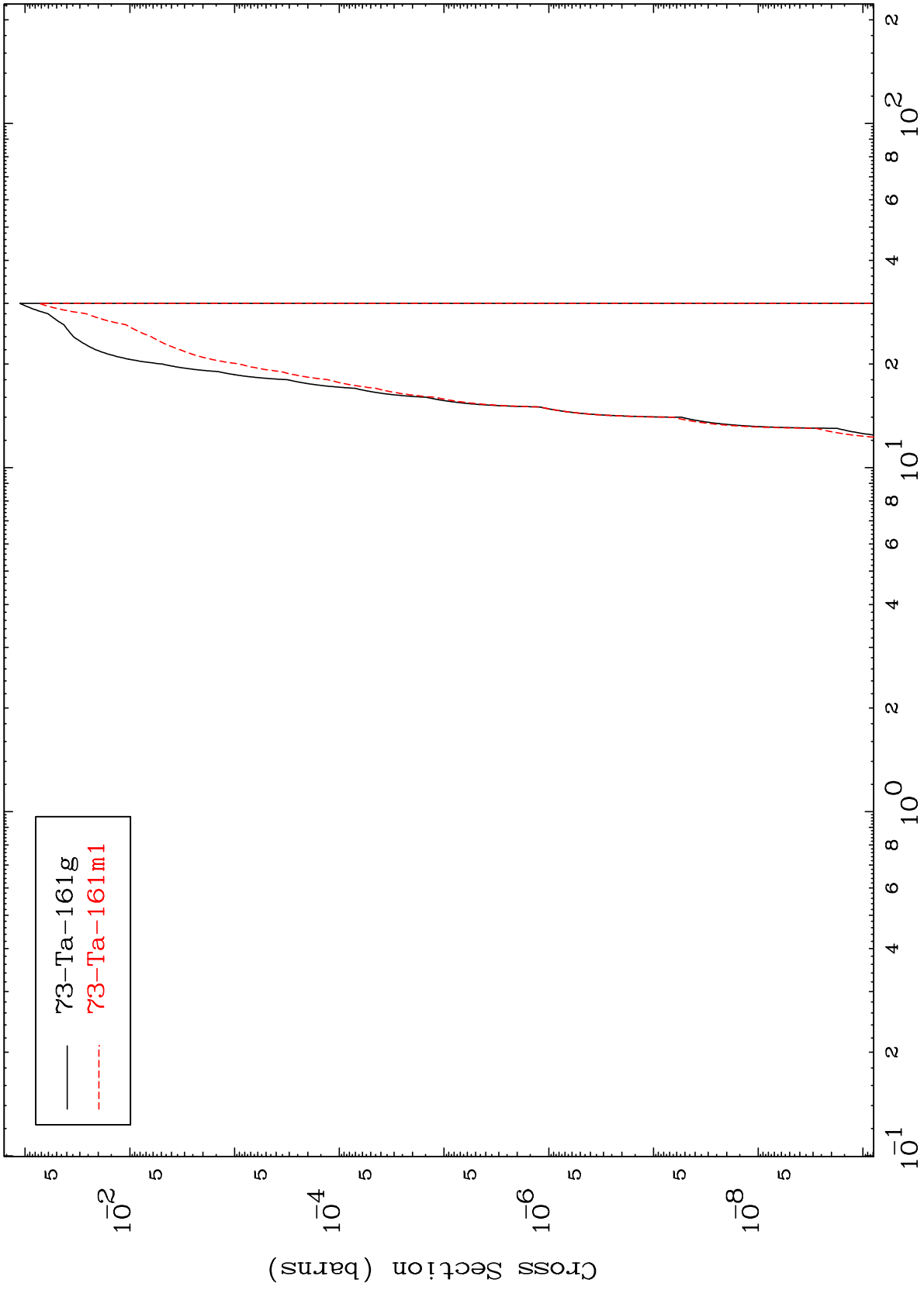
<sup>73</sup>Ta-161

MAT 7268

( $\alpha, \alpha$ )

<sup>73</sup>Ta-161

Radionuclide Production Cross Section



— <sup>73</sup>Ta-161g  
- - - <sup>73</sup>Ta-161m1

15

Incident Energy (MeV)

<sup>73</sup>Ta-161

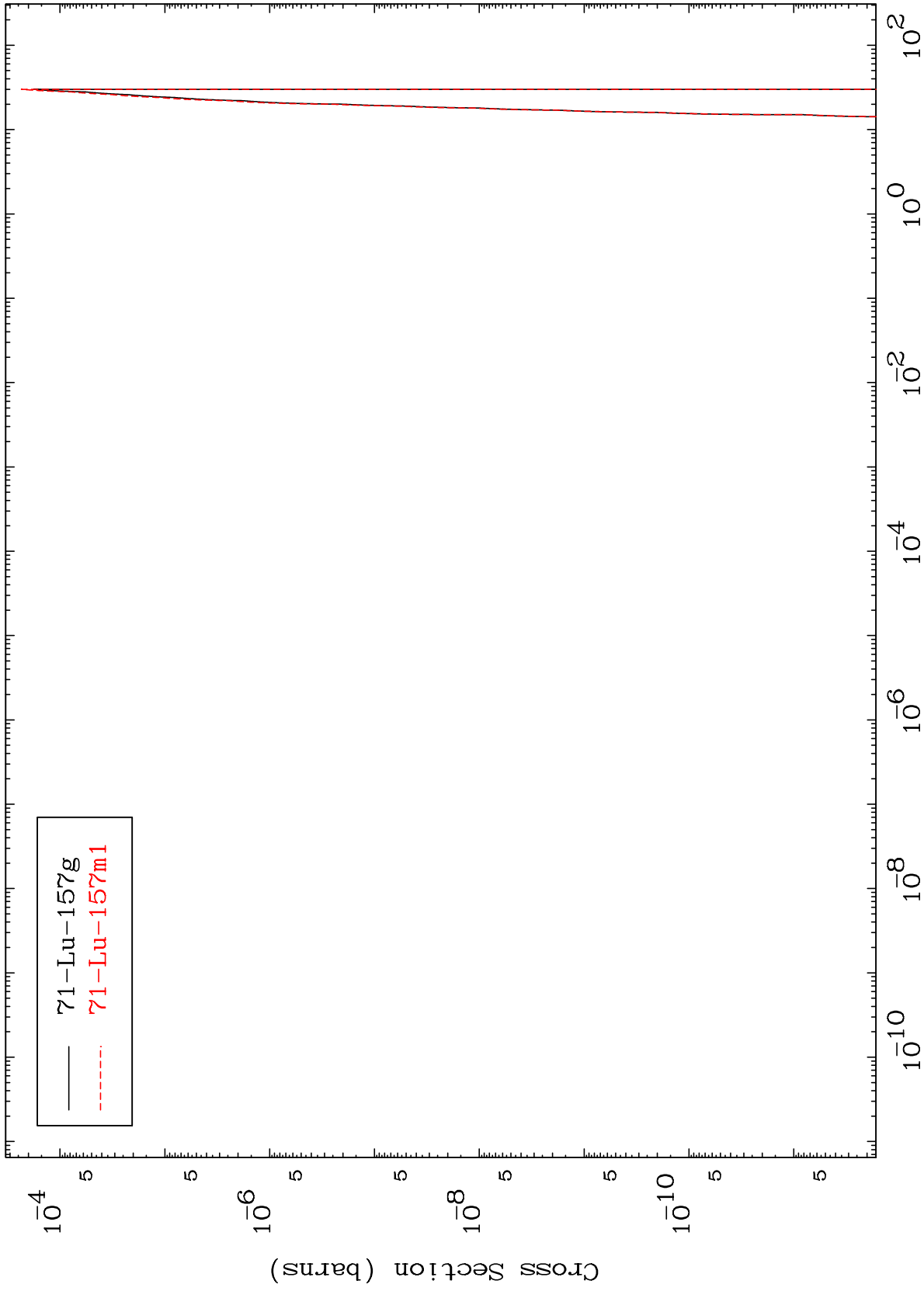


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( $\alpha, 2\alpha$ )

<sup>73</sup>Ta-161

Radionuclide Production Cross Section



16

Incident Energy (MeV)

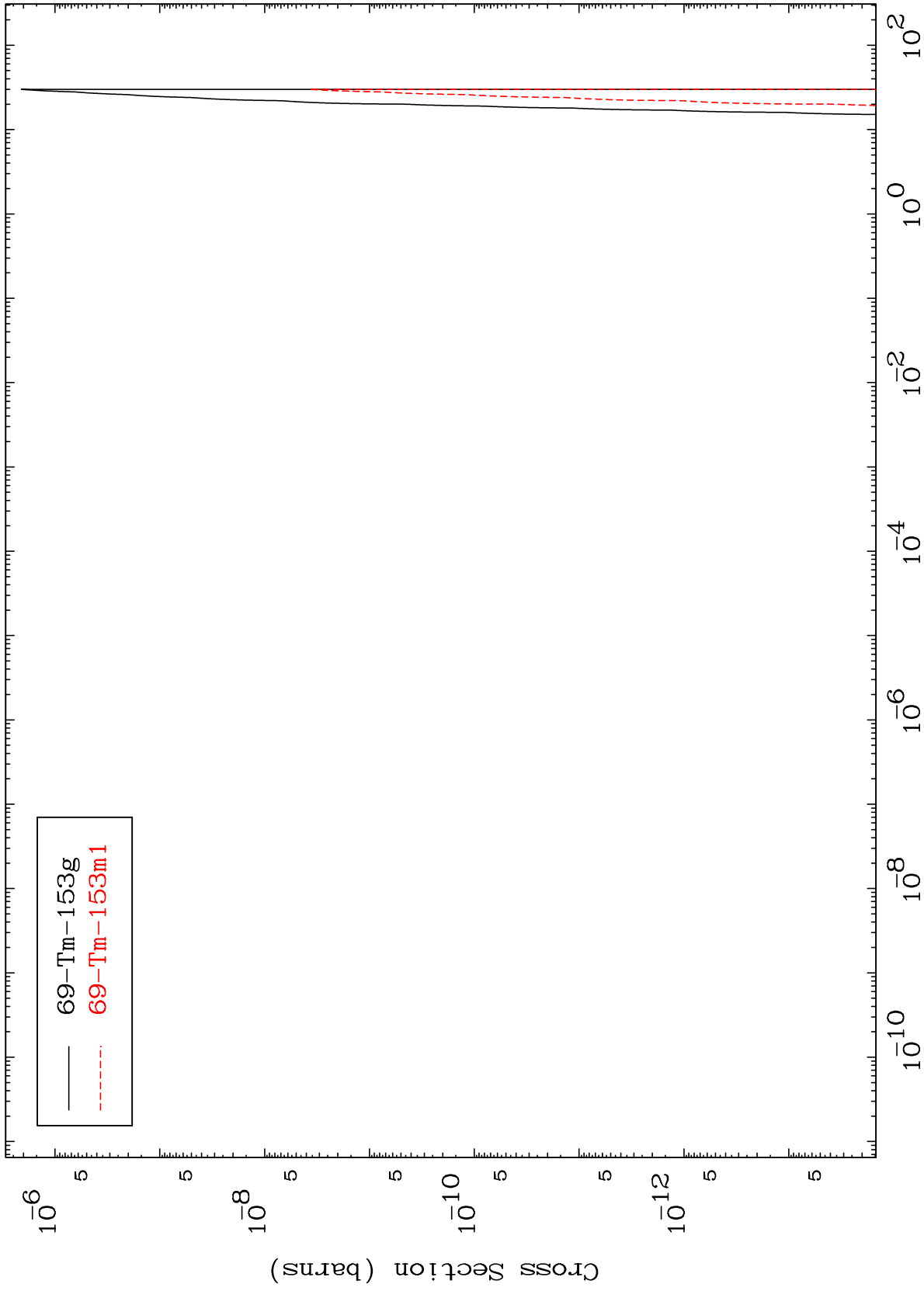
<sup>73</sup>Ta-161

MAT 7268

( $\alpha, 3\alpha$ )

<sup>73</sup>Ta-161

Radionuclide Production Cross Section



17

Incident Energy (MeV)

<sup>73</sup>Ta-161