

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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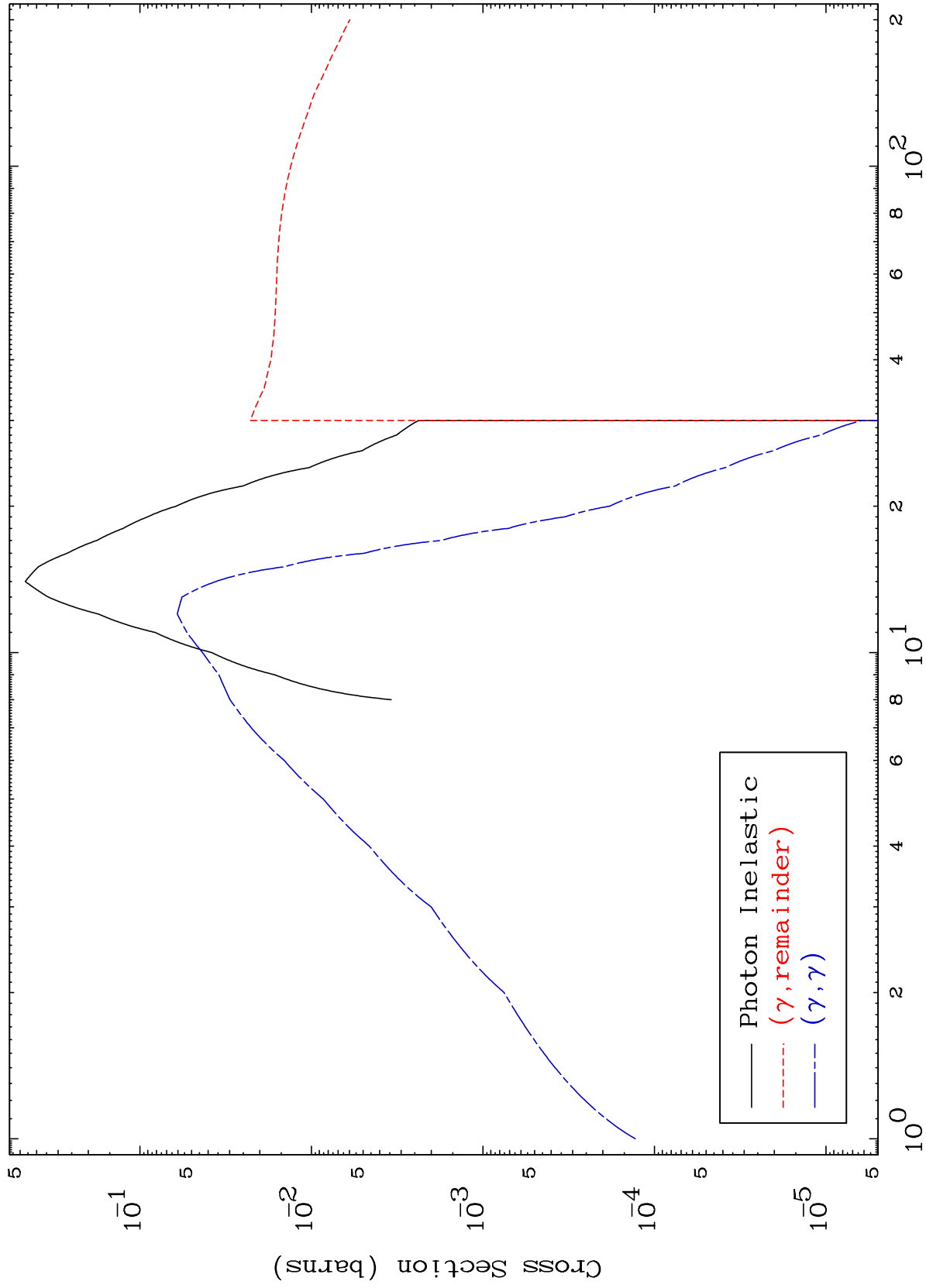
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

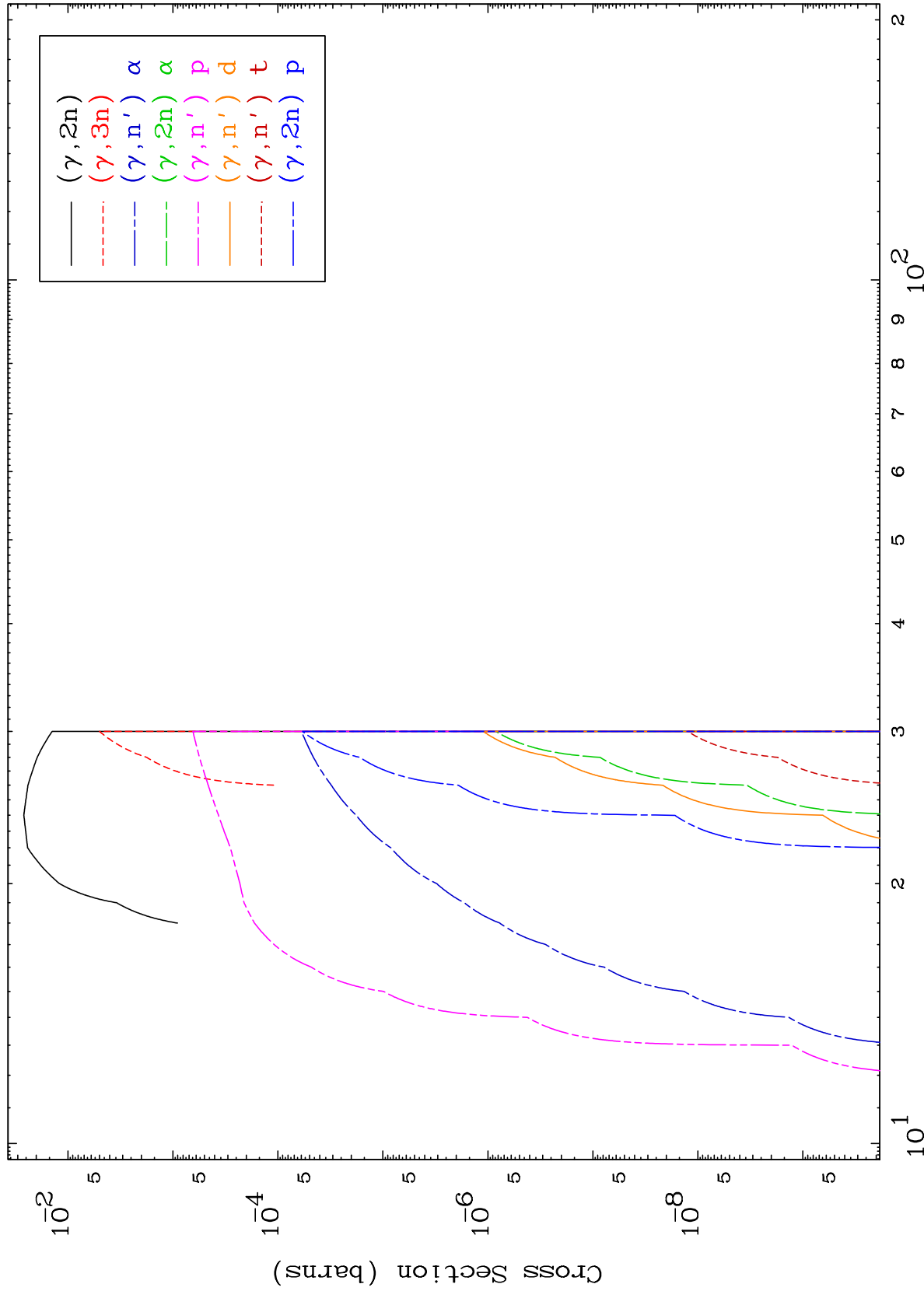
Press Mouse Button to Start

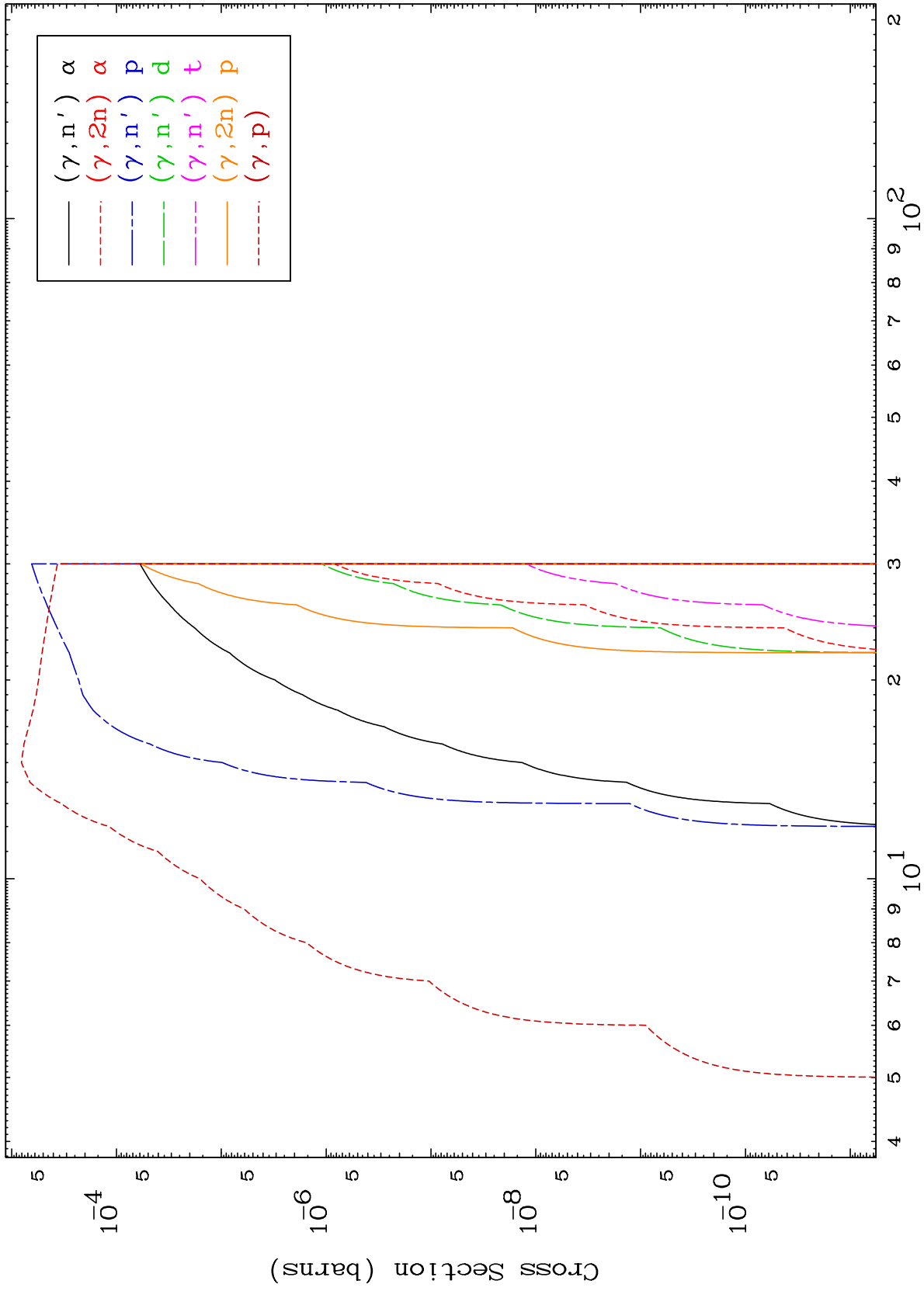
MAT 8098

Photon Major  
0 Kelvin Cross Sections

81-Tl-194



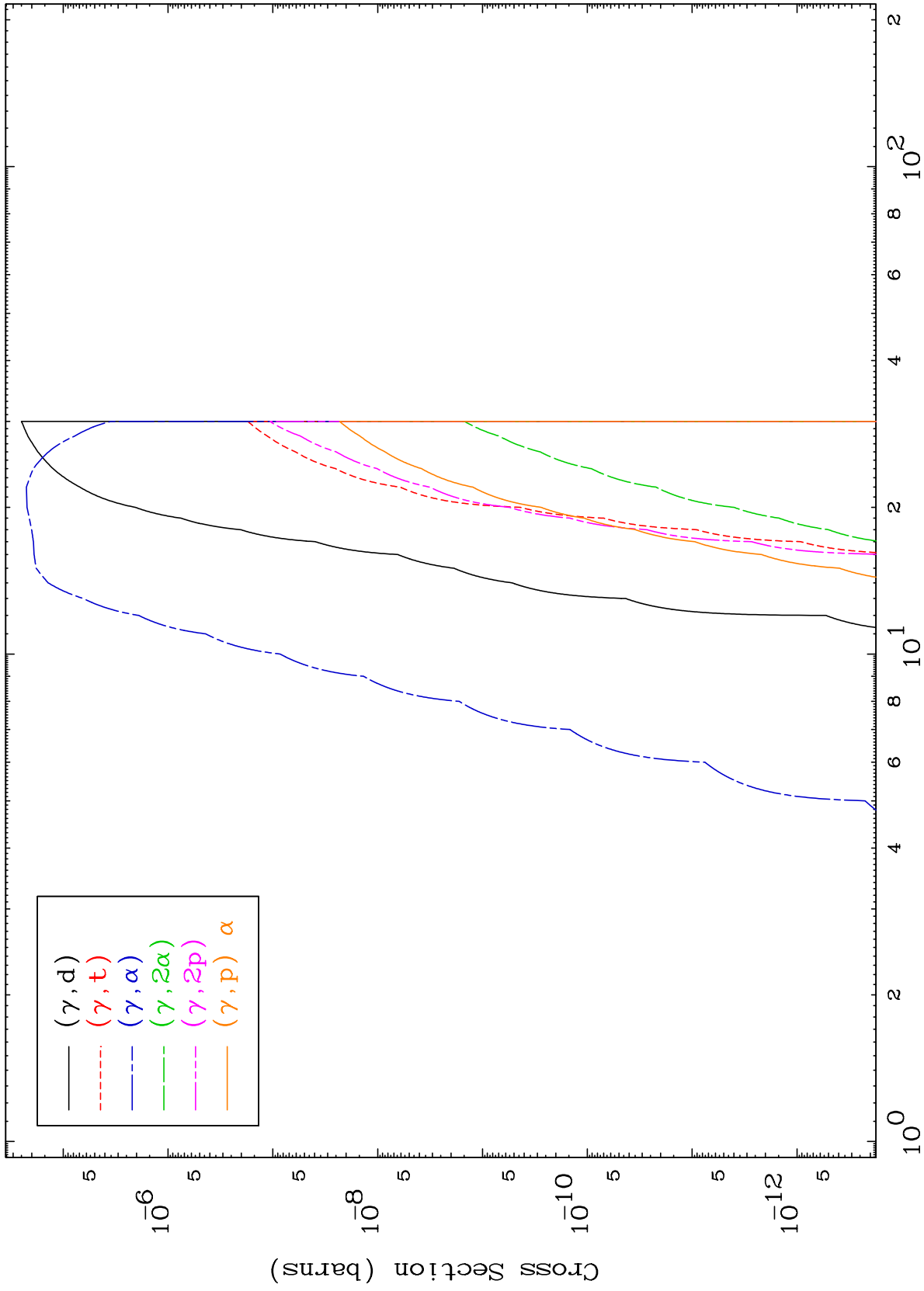




MAT 8098

Photon Charged Particle  
0 Kelvin Cross Sections

81-Tl-194



4

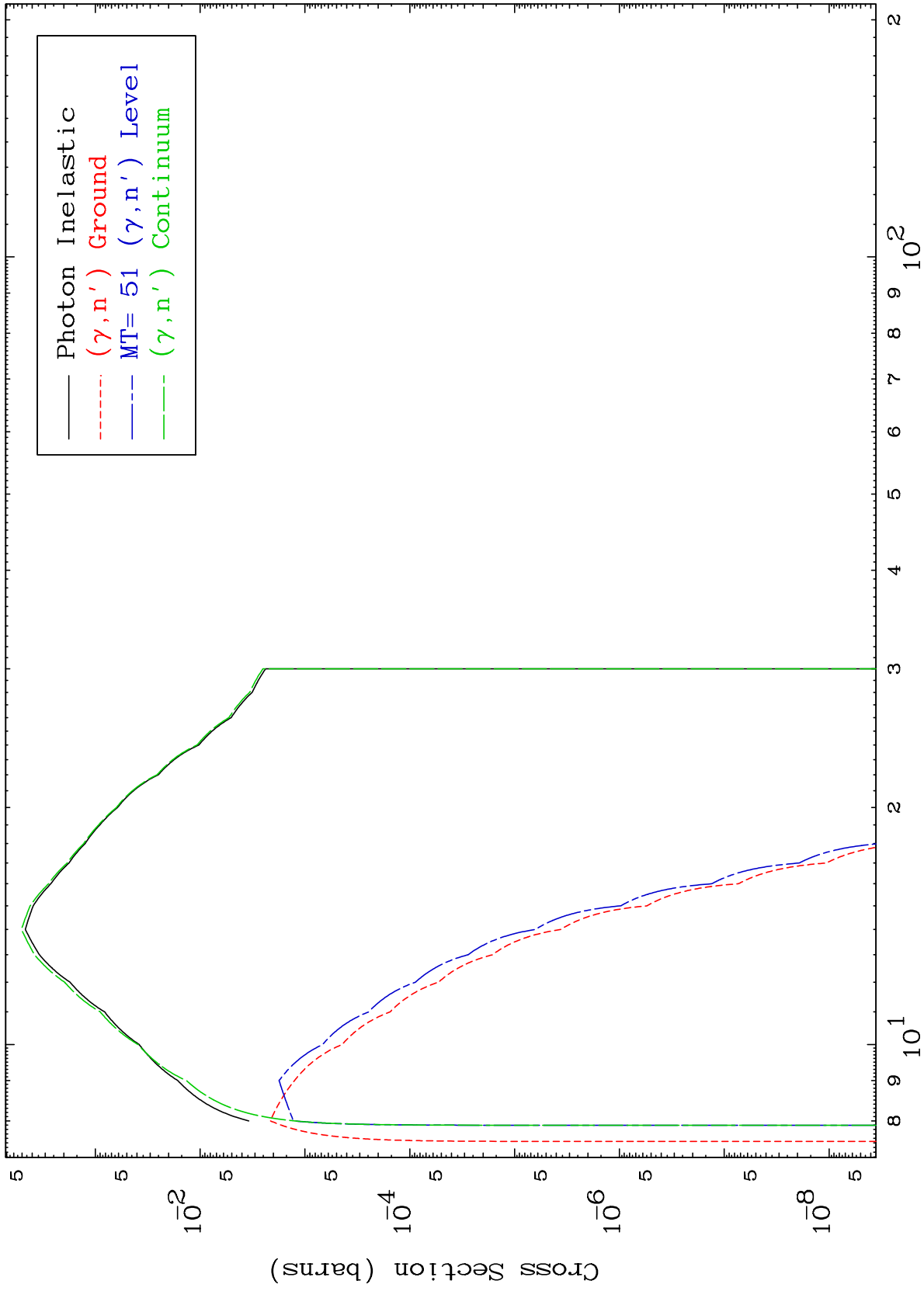
Incident Energy (MeV)

81-Tl-194

MAT 8098

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

81-Tl-194



5

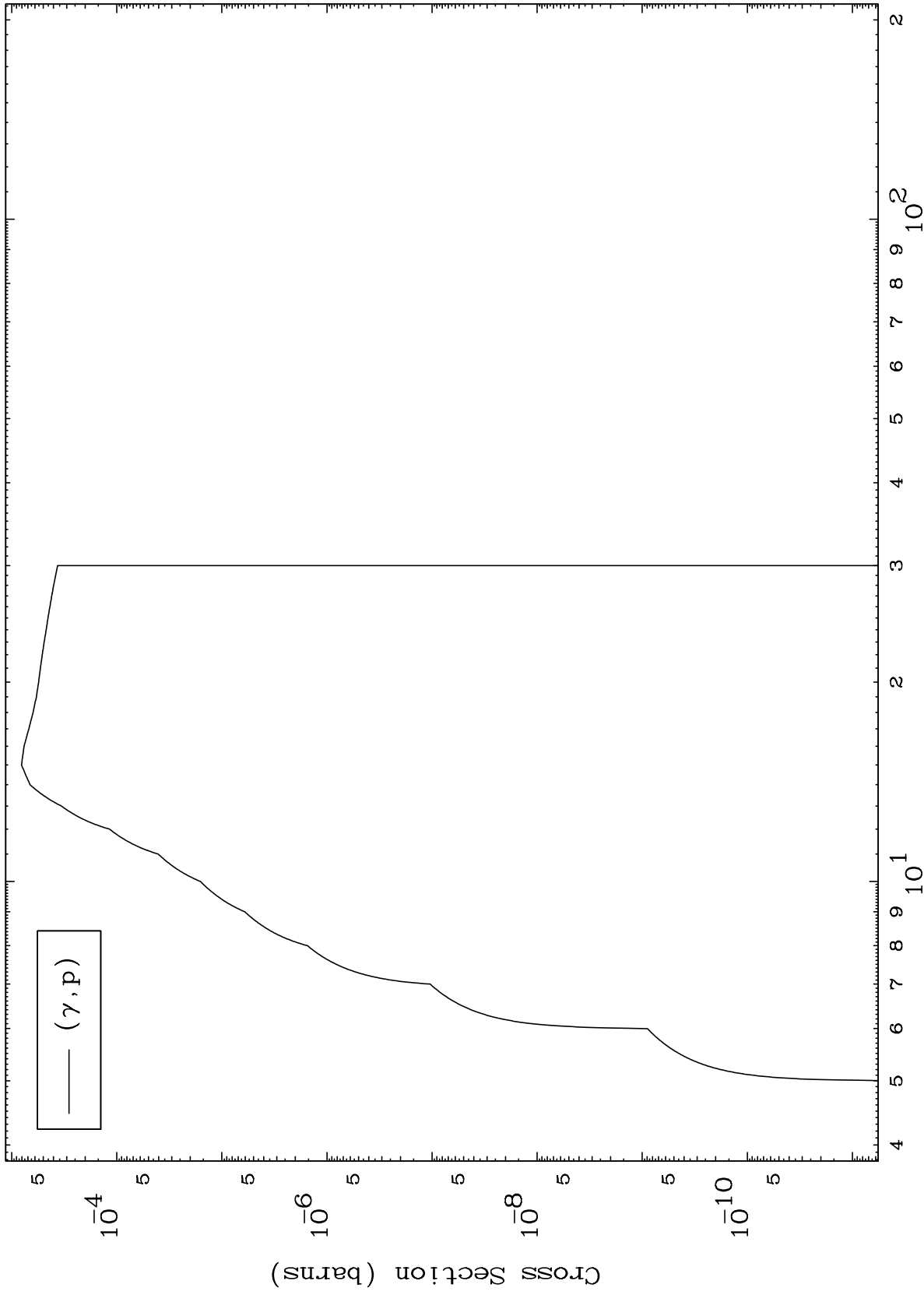
Incident Energy (MeV)

81-Tl-194

MAT 8098

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

81-Tl-194



6

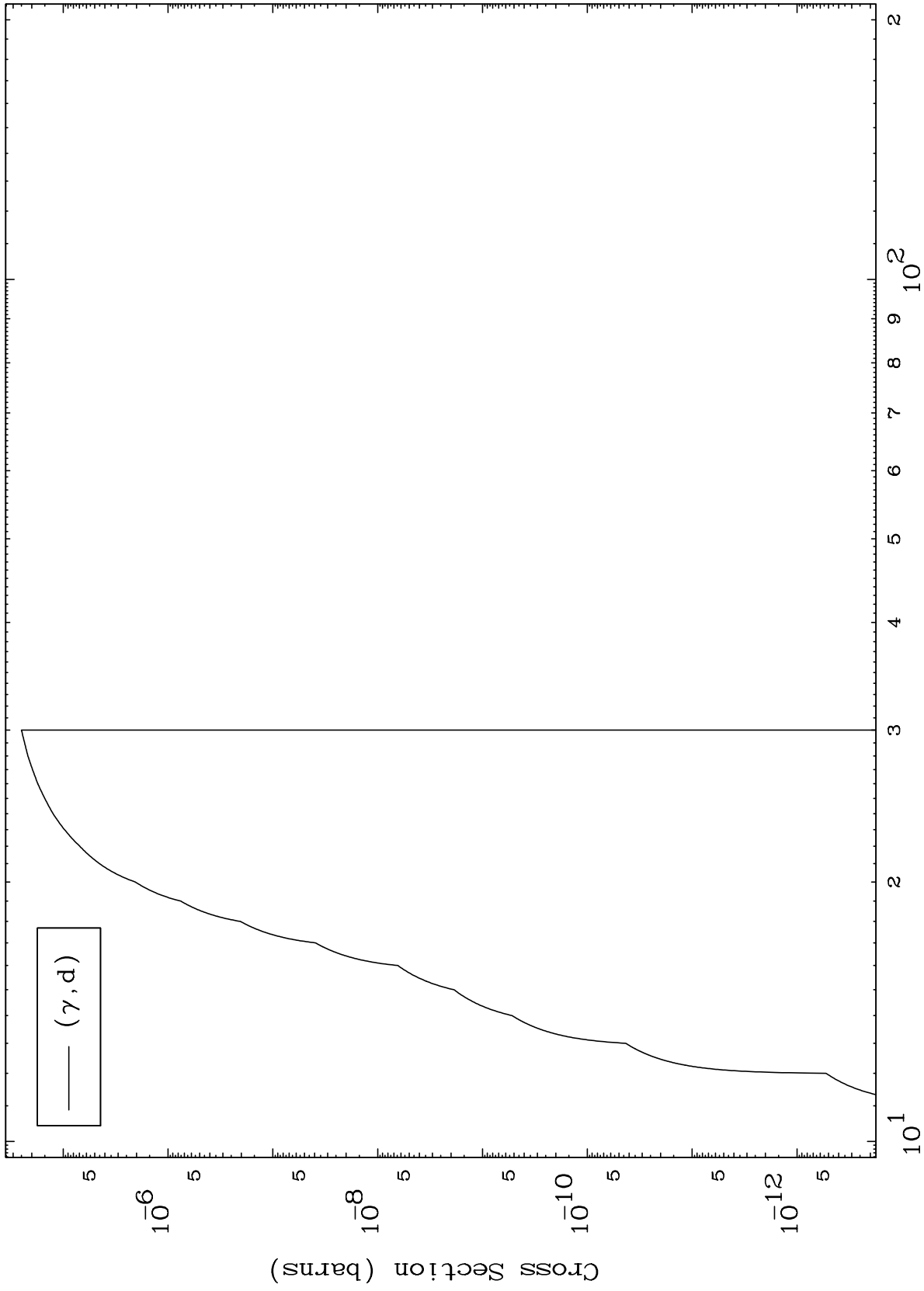
Incident Energy (MeV)

81-Tl-194

MAT 8098

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

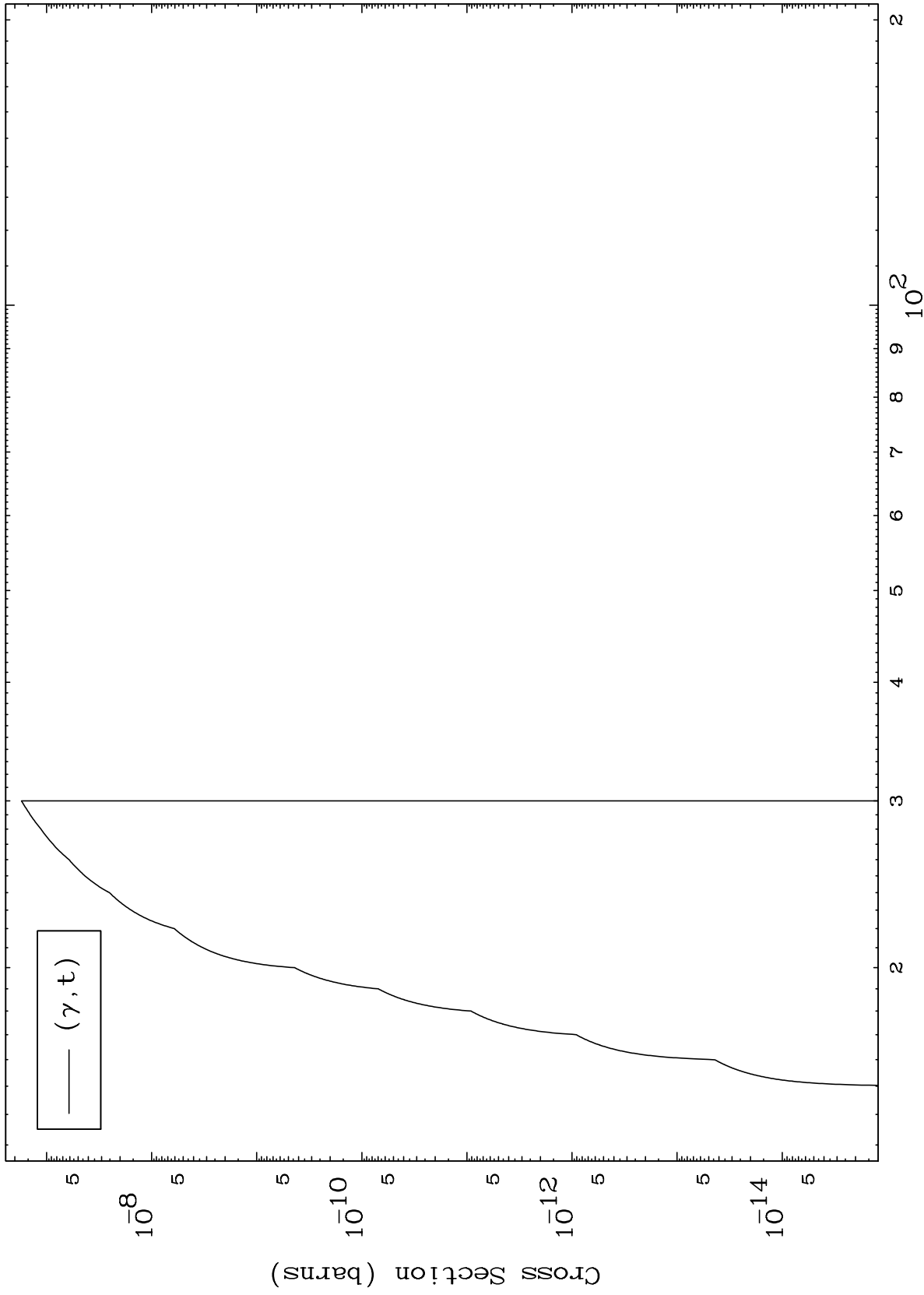
81-Tl-194



Incident Energy (MeV)

81-Tl-194

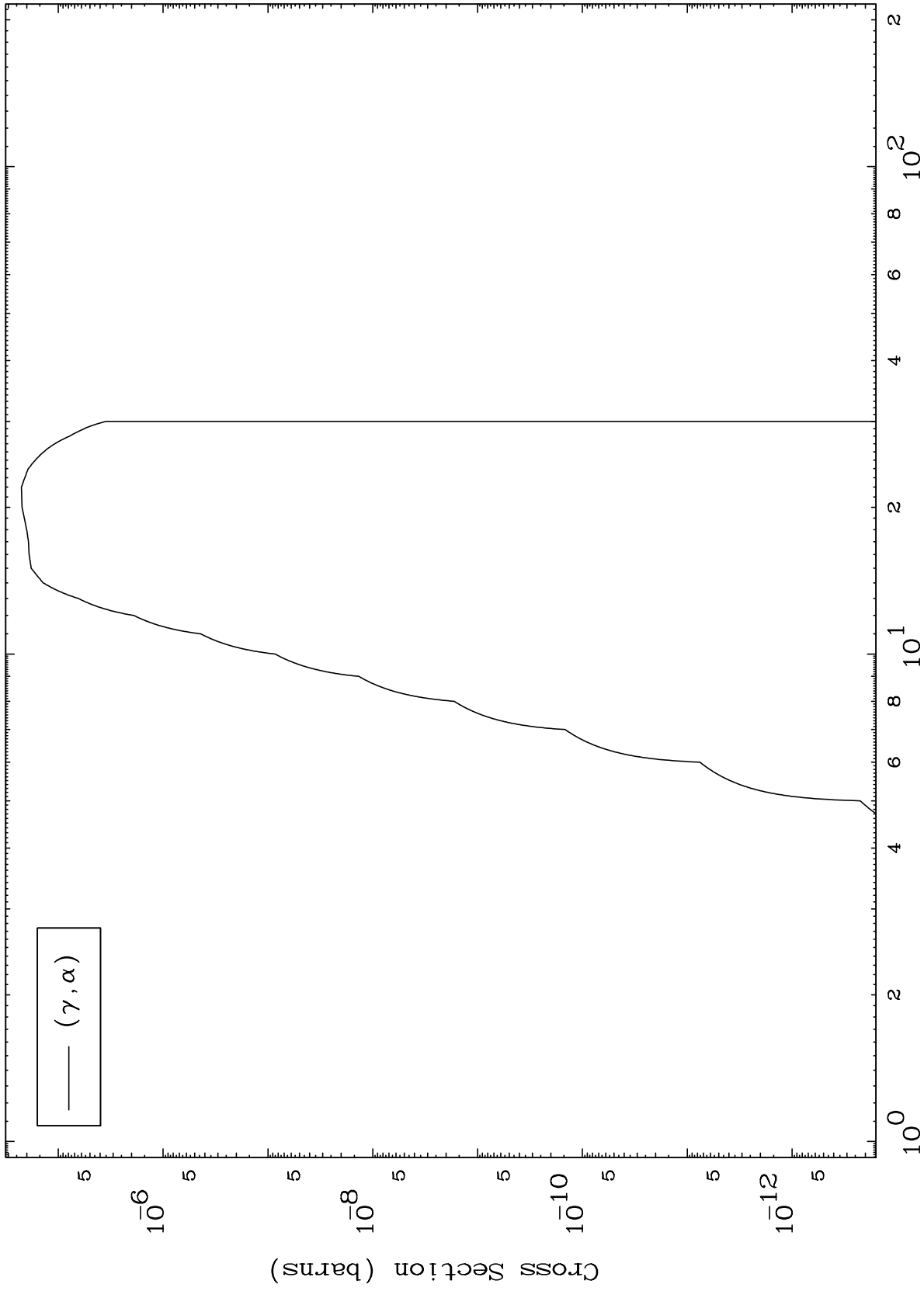




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( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

81-Tl-194



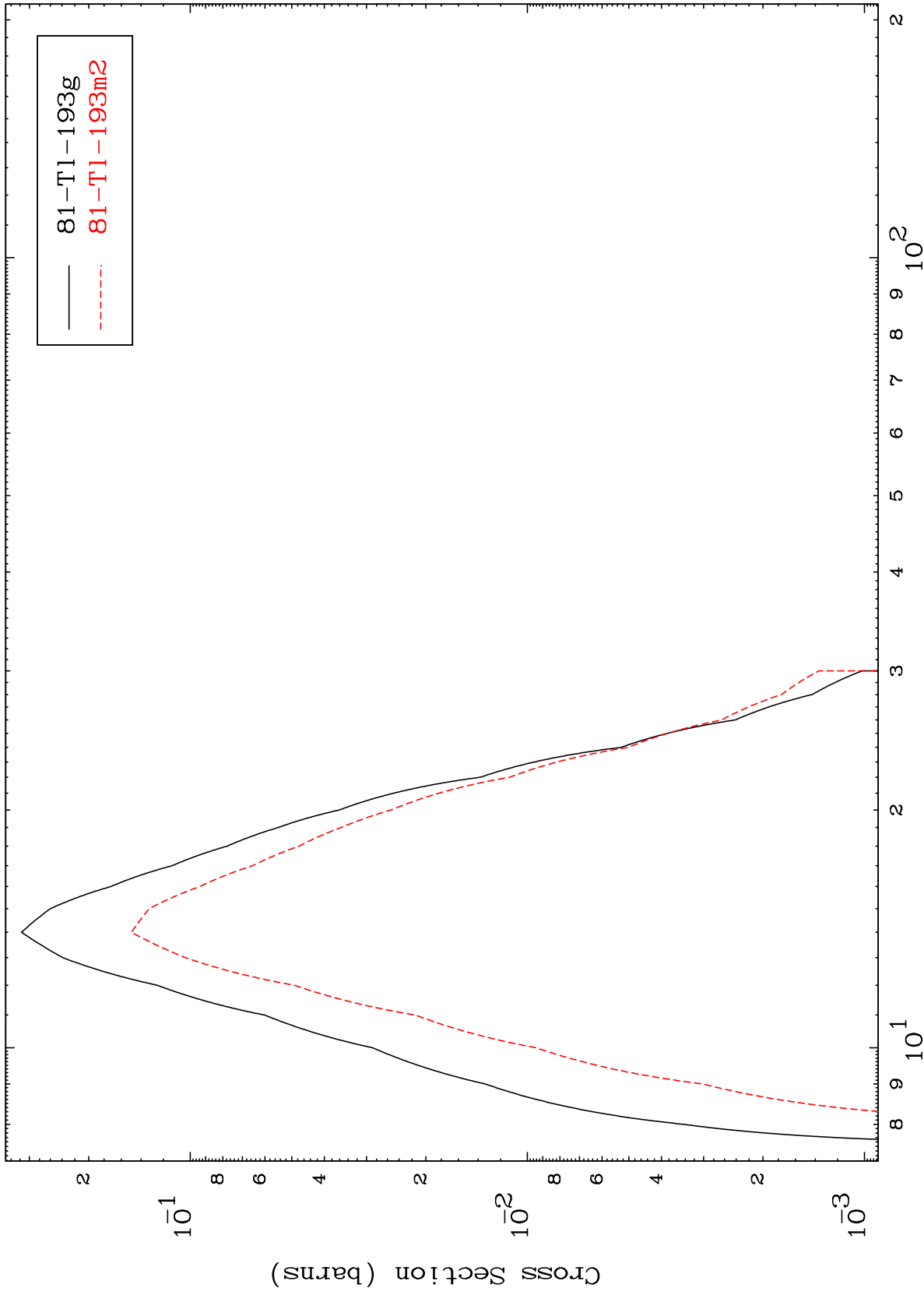
Incident Energy (MeV)

81-Tl-194

MAT 8098

Photon Inelastic  
Radionuclide Production Cross Section

81-Tl-194



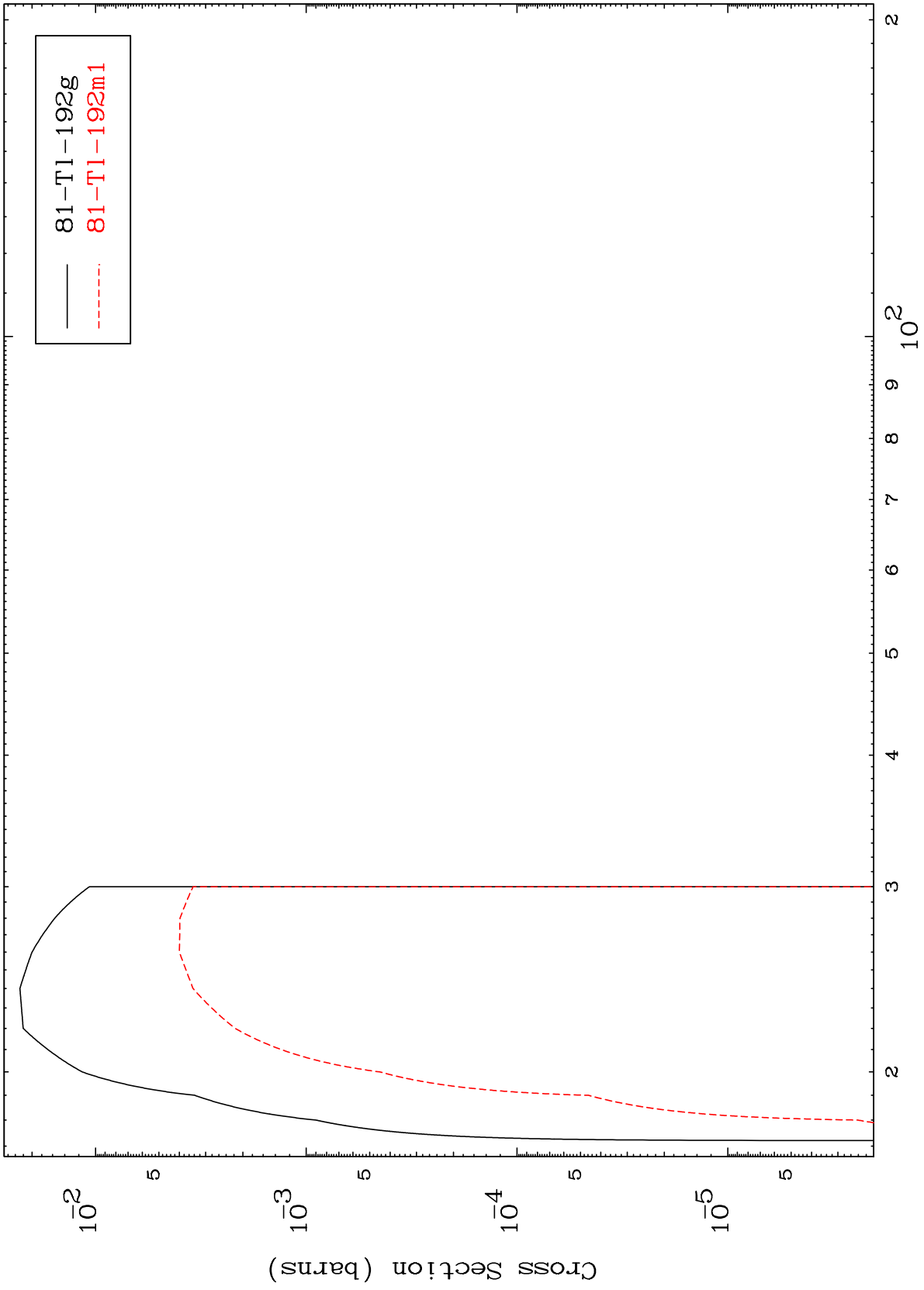
Incident Energy (MeV)

81-Tl-194

MAT 8098

81-Tl-194

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



11

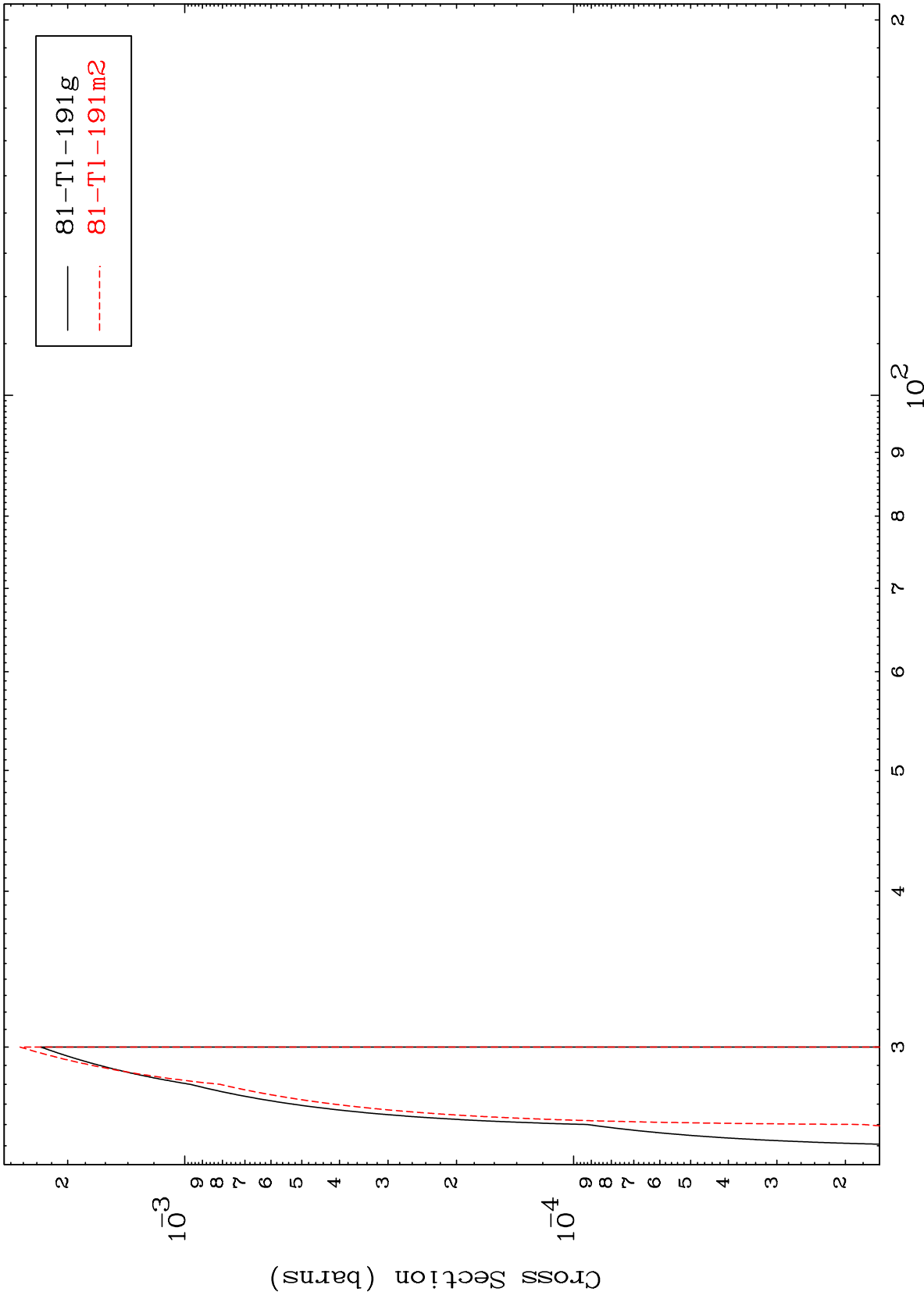
Incident Energy (MeV)

81-Tl-194

MAT 8098

81-Tl-194

( $\gamma, 3n$ )  
Radionuclide Production Cross Section



12

81-Tl-194

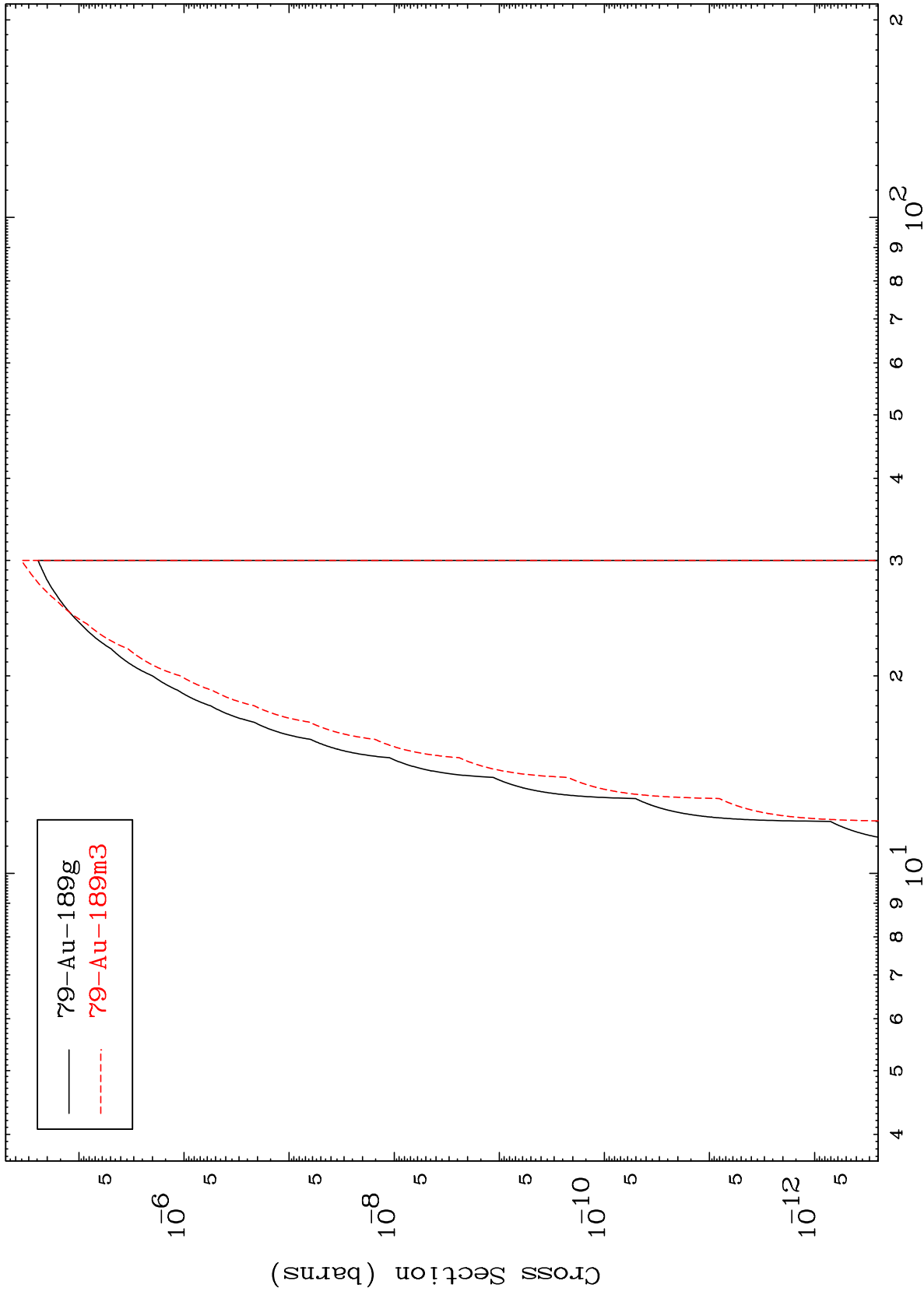


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$(\gamma, n') \alpha$

81-Tl-194

Radionuclide Production Cross Section



14

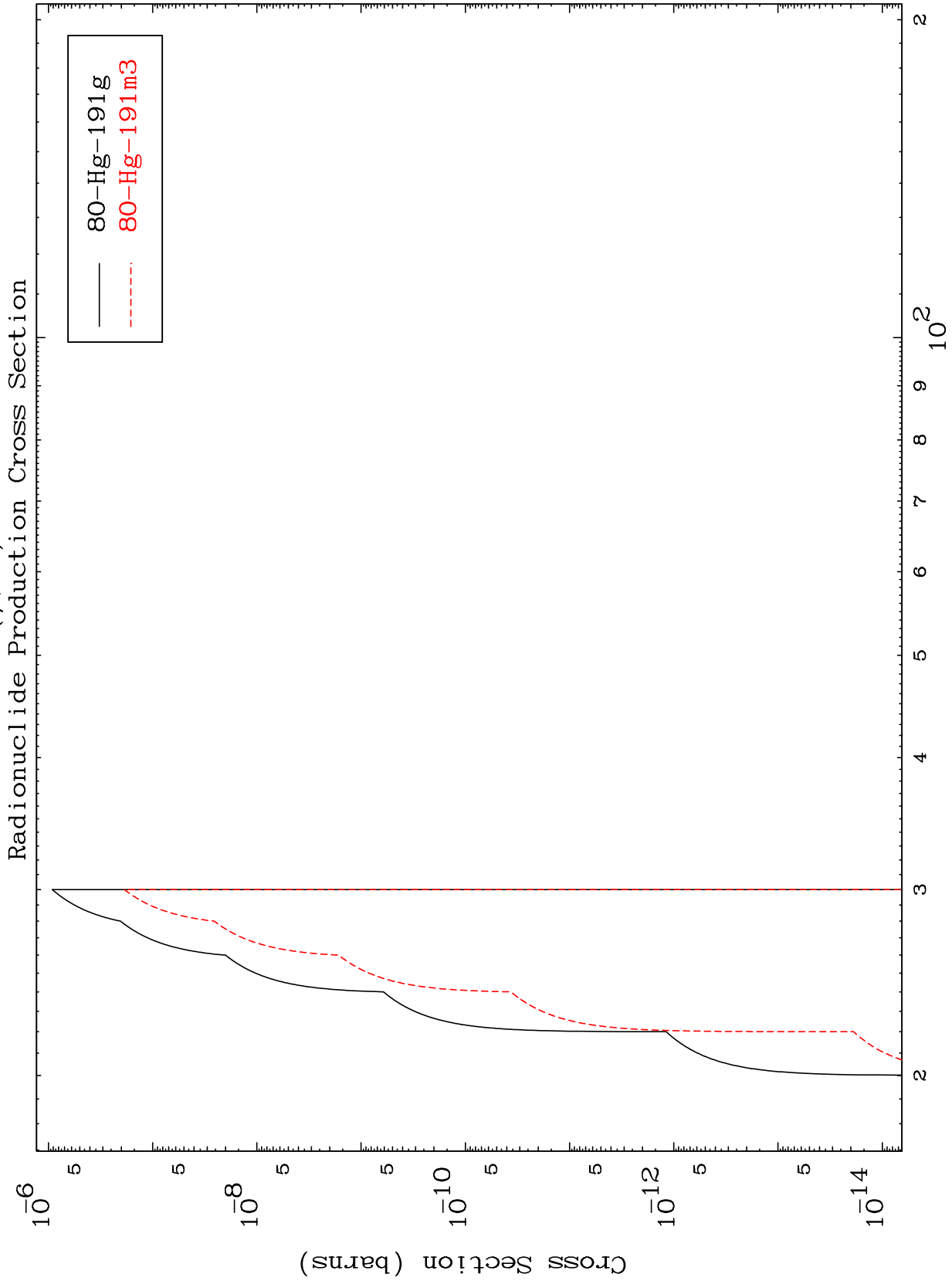
Incident Energy (MeV)

81-Tl-194

MAT 8098

( $\gamma, n'$ ) d

81-Tl-194



15

Incident Energy (MeV)

81-Tl-194

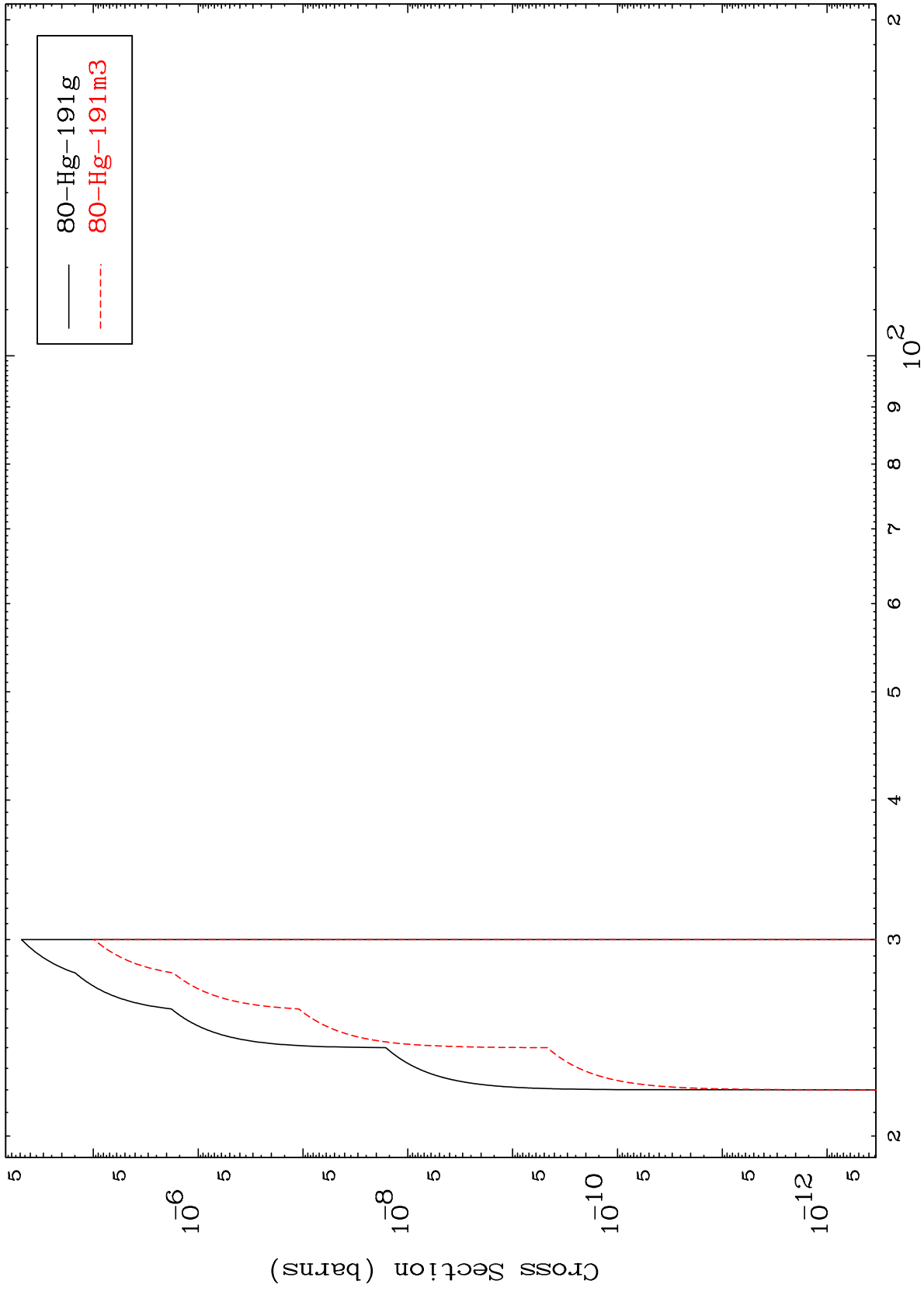


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( $\gamma, 2n$ ) p

81-Tl-194

Radionuclide Production Cross Section



16

Incident Energy (MeV)

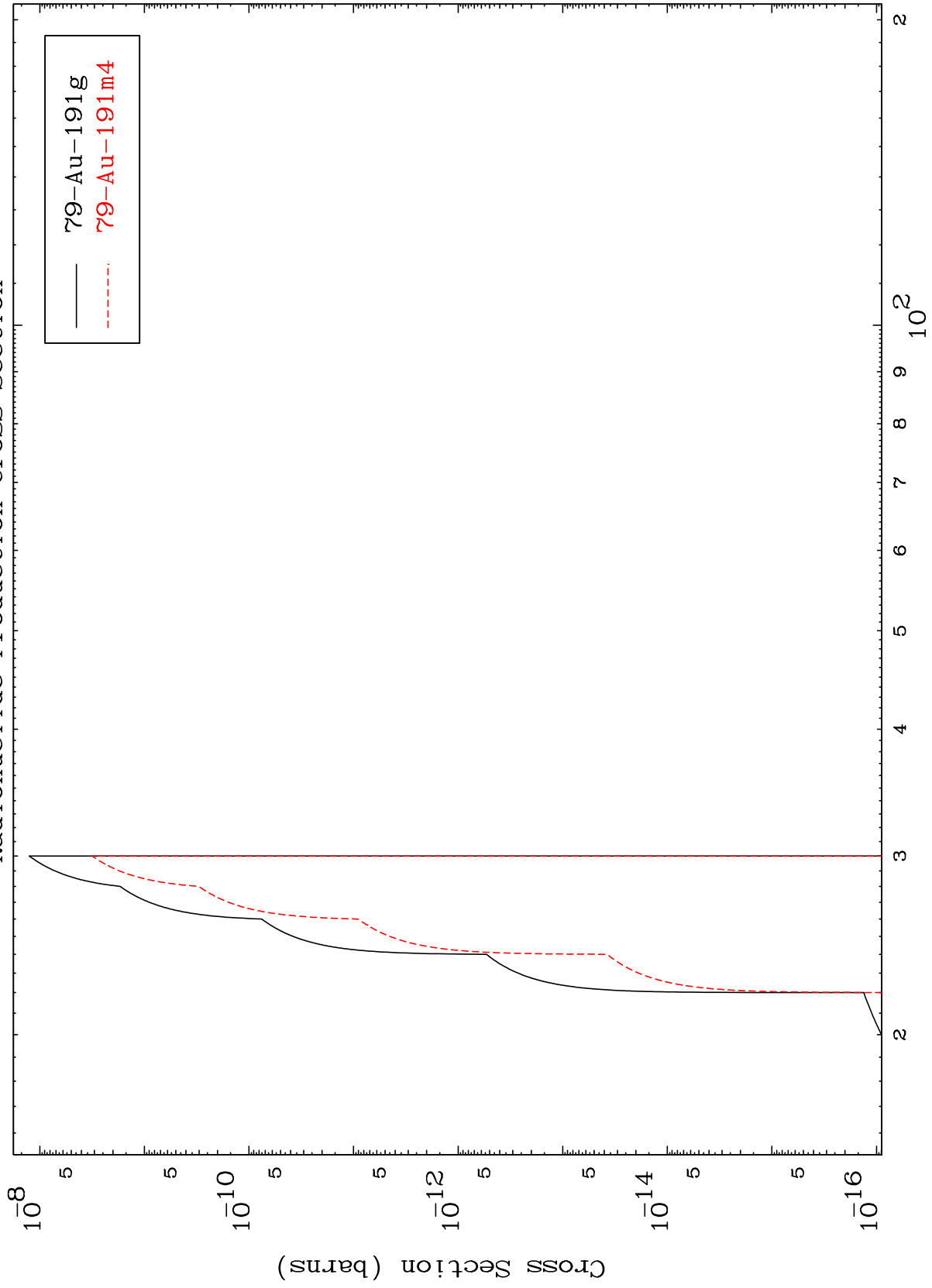
81-Tl-194

MAT 8098

( $\gamma, 2n$ ) p

81-Tl-194

Radionuclide Production Cross Section



17

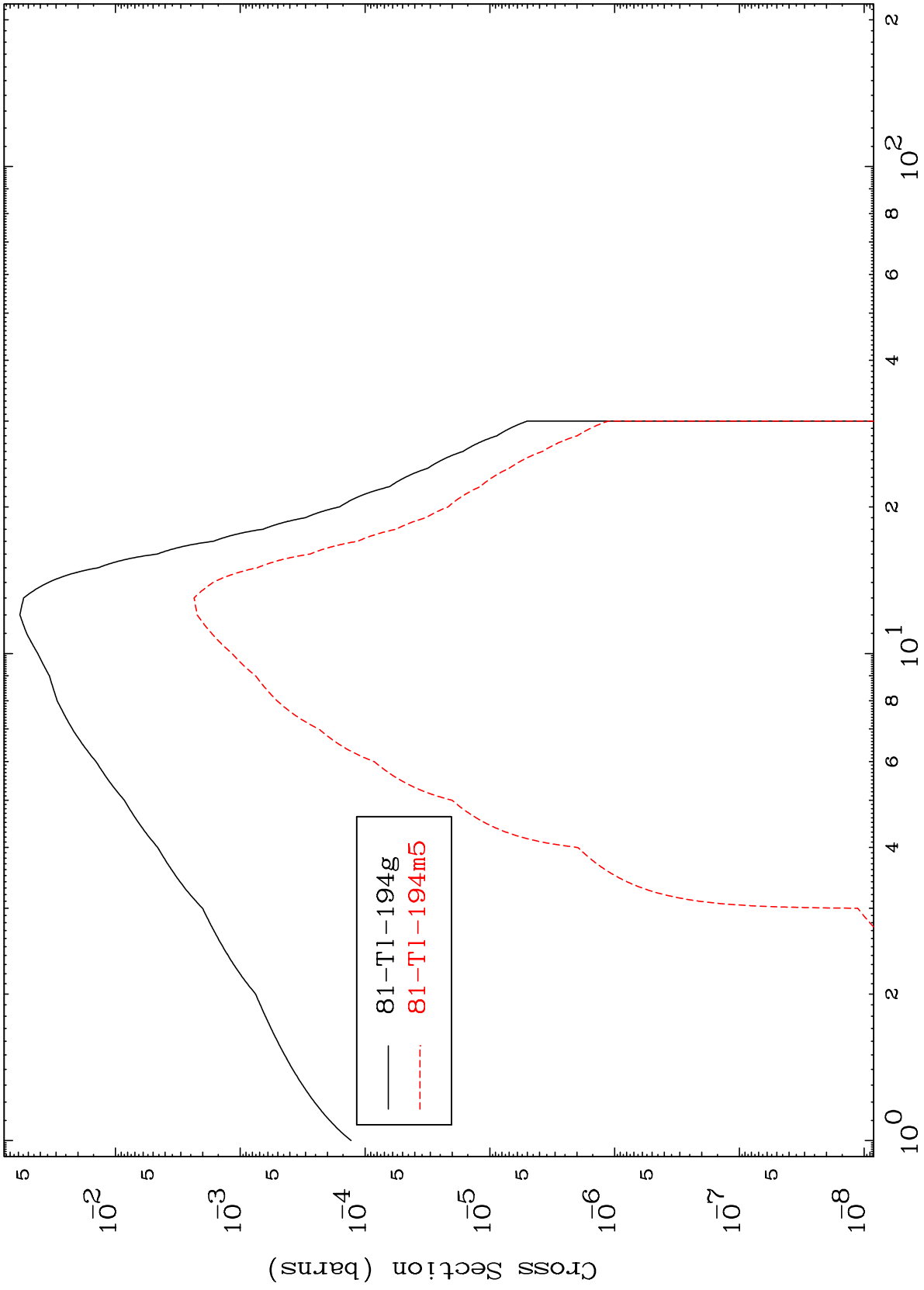
Incident Energy (MeV)

81-Tl-194

MAT 8098

81-Tl-194

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



81-Tl-194

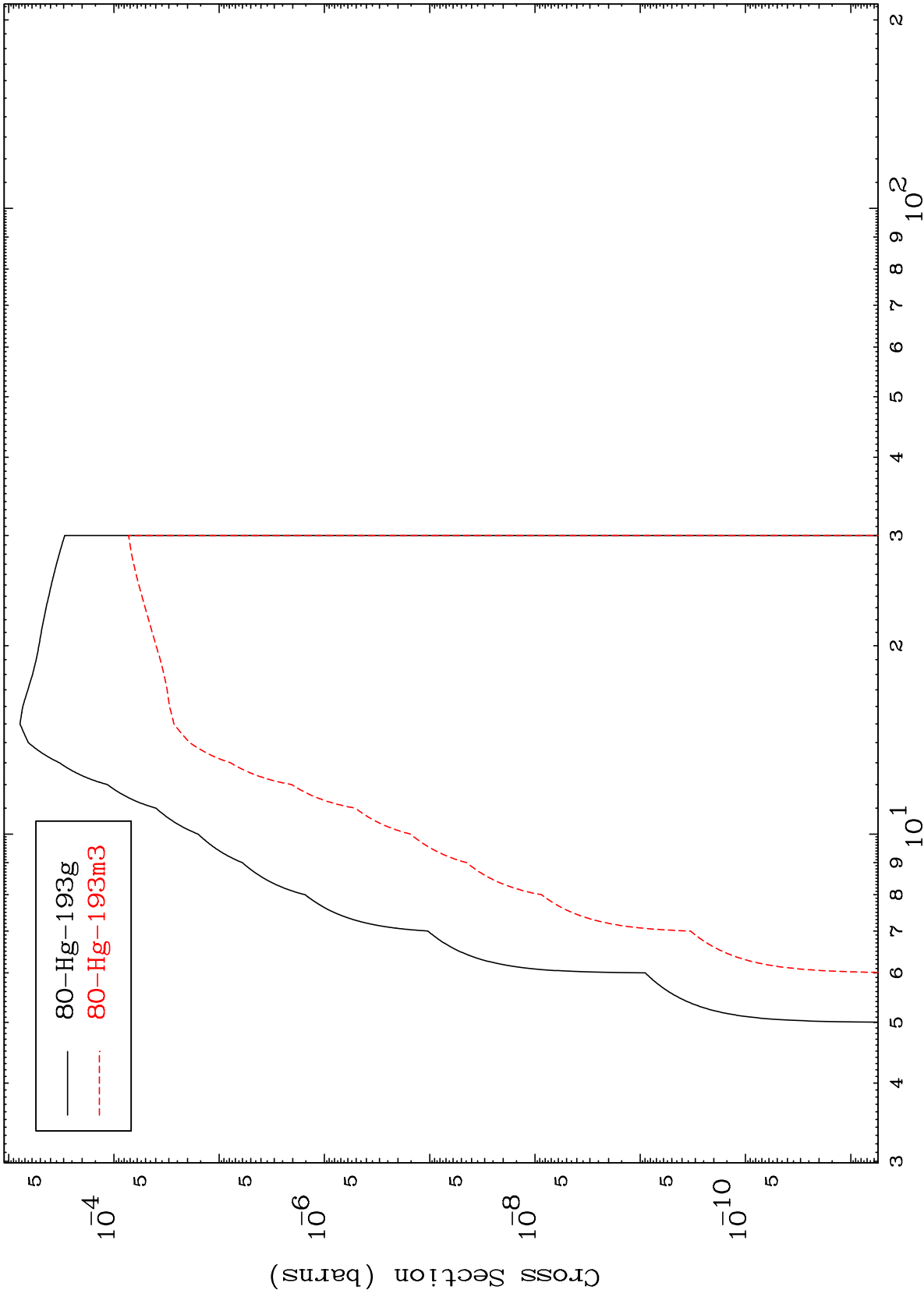
Incident Energy (MeV)

18

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81-Tl-194

### Radionuclide Production Cross Section ( $\gamma, p$ )



19

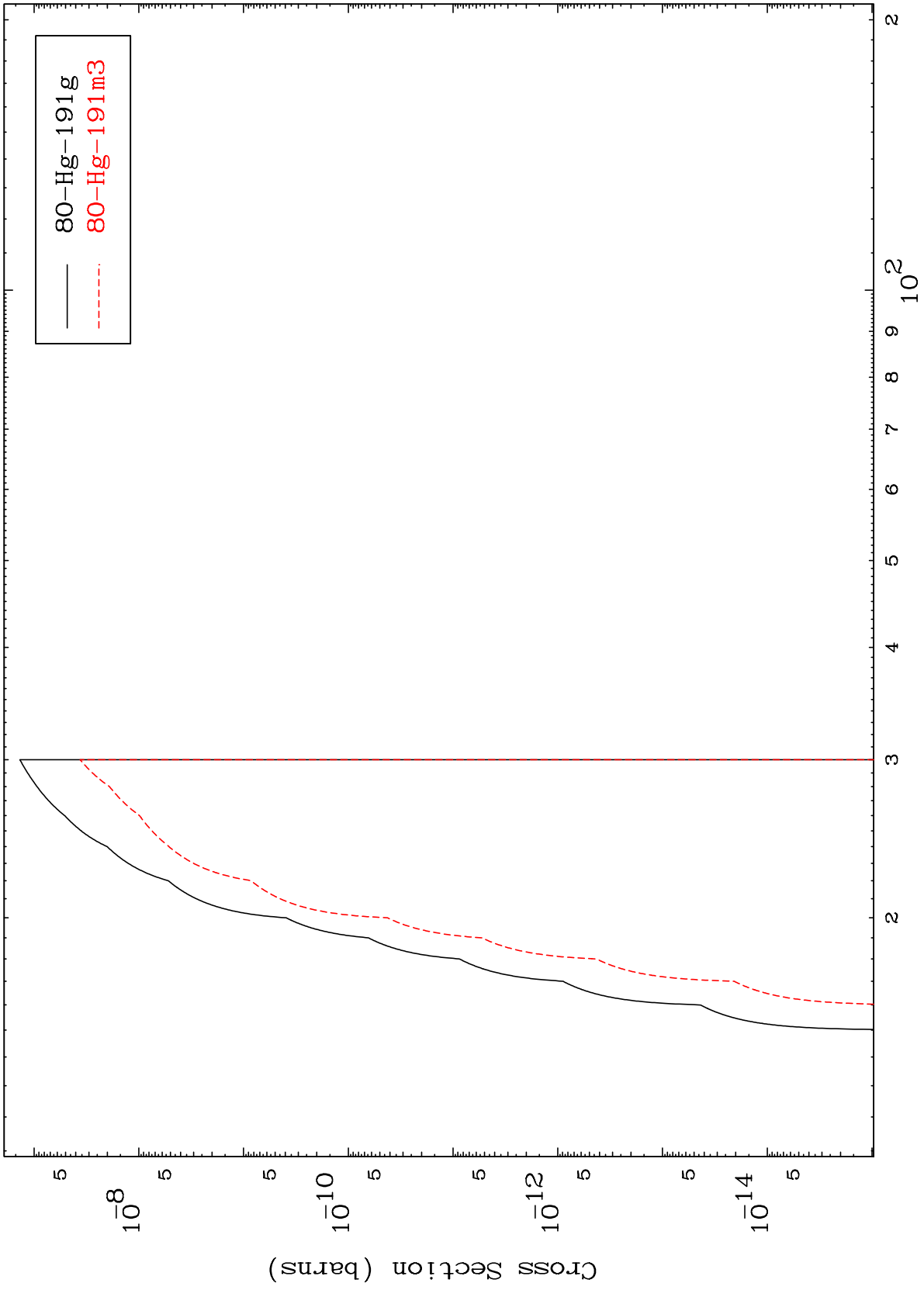
Incident Energy (MeV)

81-Tl-194

MAT 8098

81-Tl-194

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



20

Incident Energy (MeV)

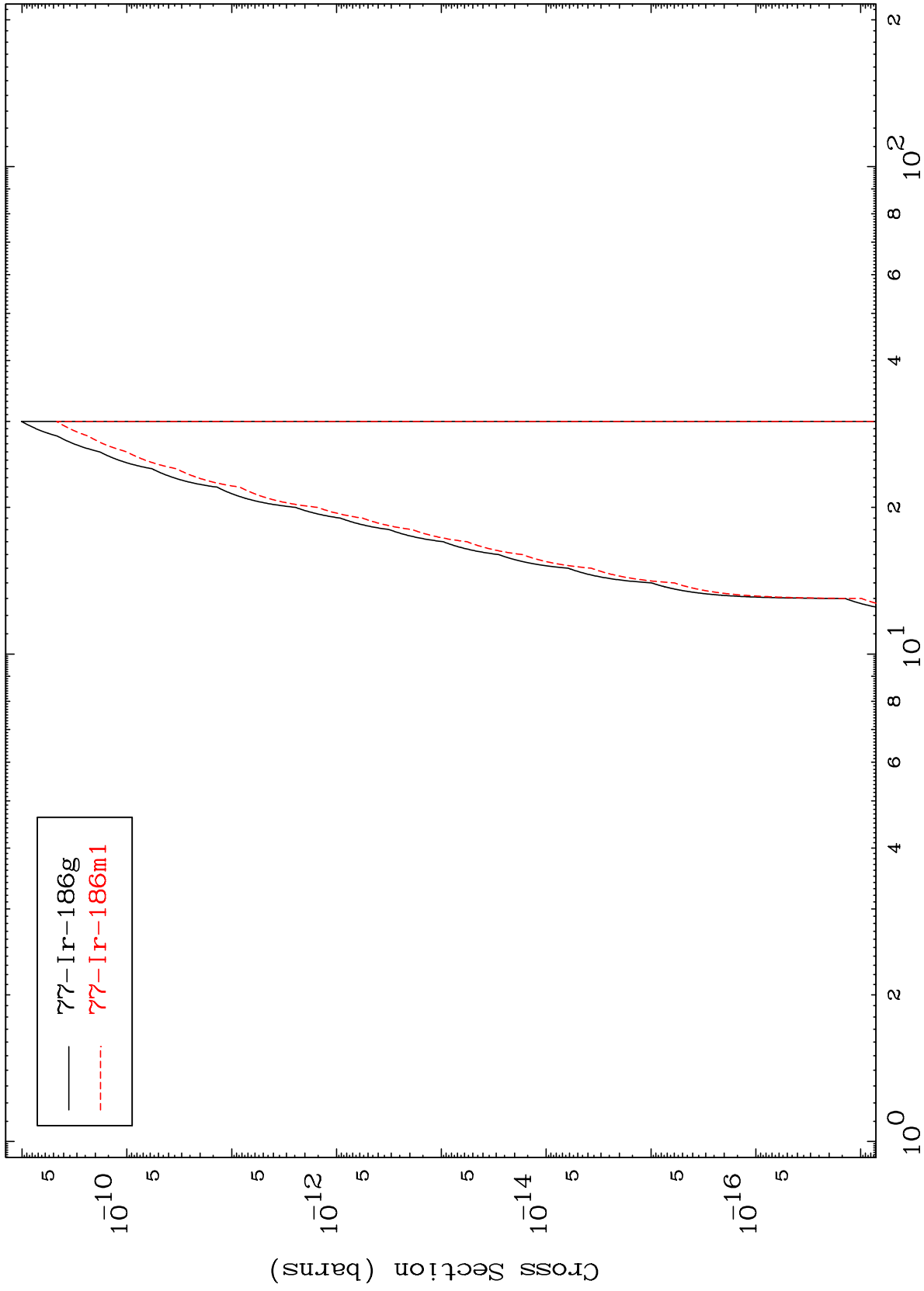
81-Tl-194

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( $\gamma, 2\alpha$ )

81-Tl-194

Radionuclide Production Cross Section



—  $^{77}\text{Ir}-186\text{g}$   
- - -  $^{77}\text{Ir}-186\text{m}1$

21

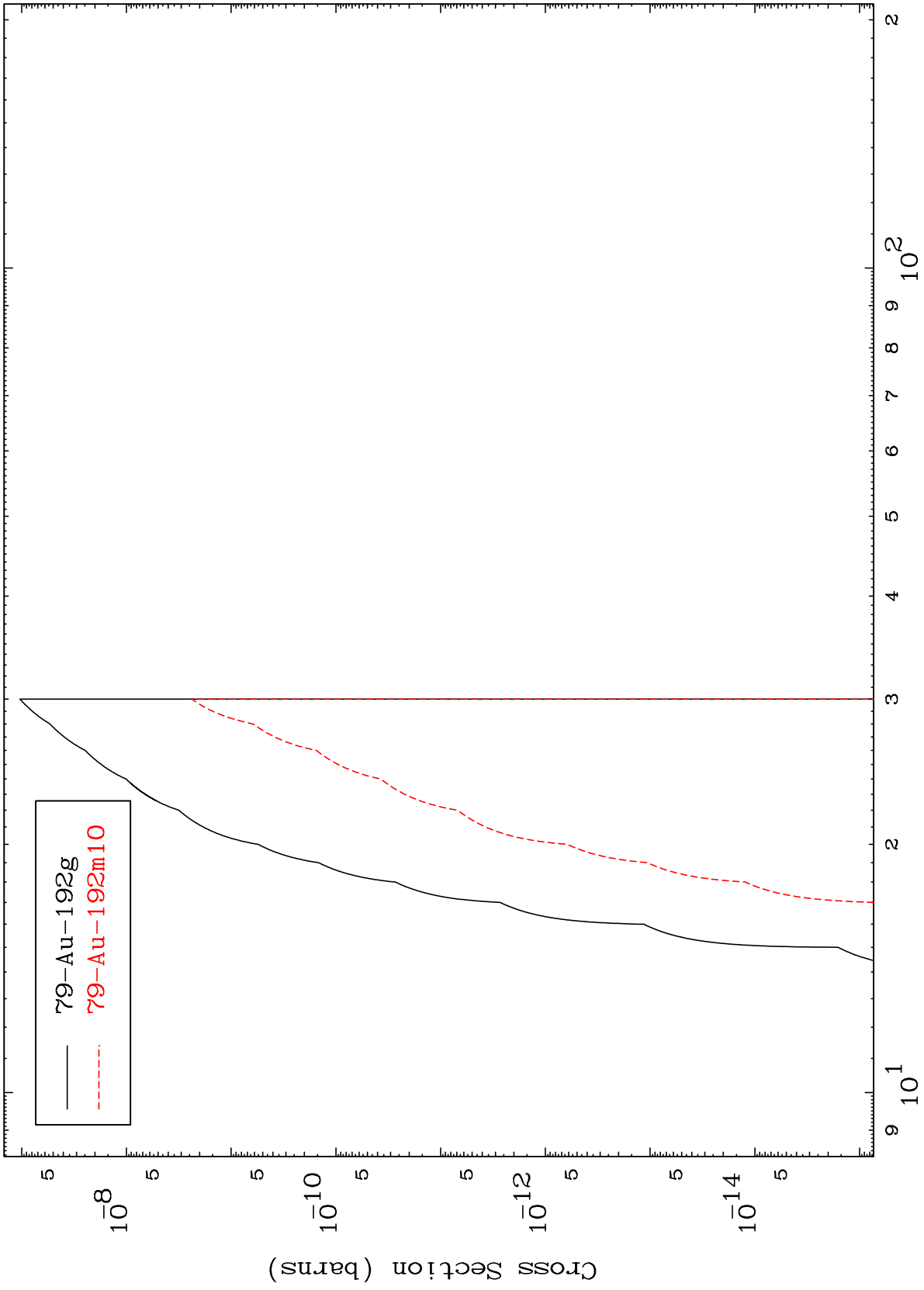
Incident Energy (MeV)

81-Tl-194

MAT 8098

81-Tl-194

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



22

Incident Energy (MeV)

81-Tl-194