

Program EVALPLOT  
(Version 2018-1)

by

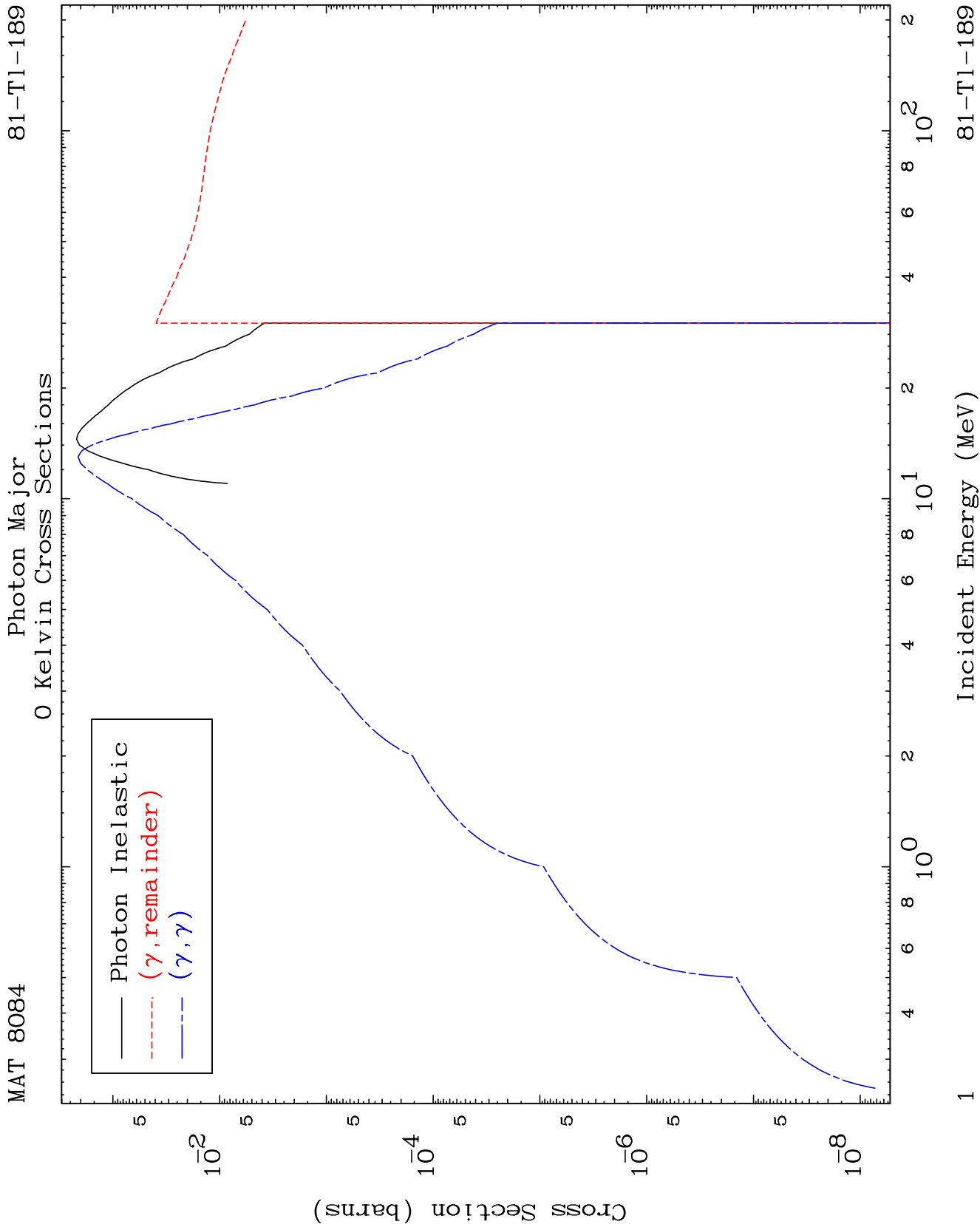
Dermott E. Cullen  
(Present Contact Information)

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

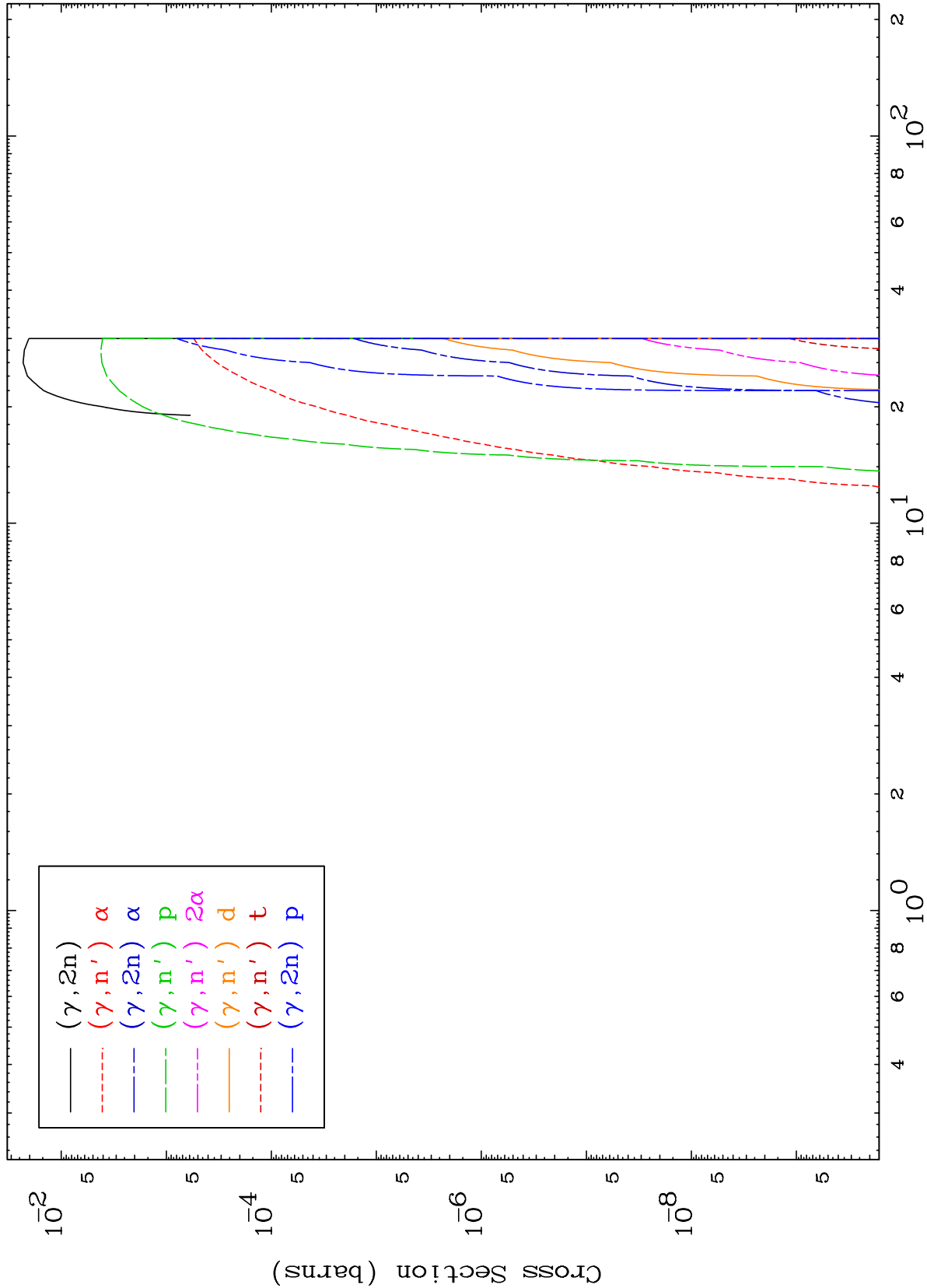
Press Mouse Button to Start



MAT 8084

Photon Neutron Production  
0 Kelvin Cross Sections

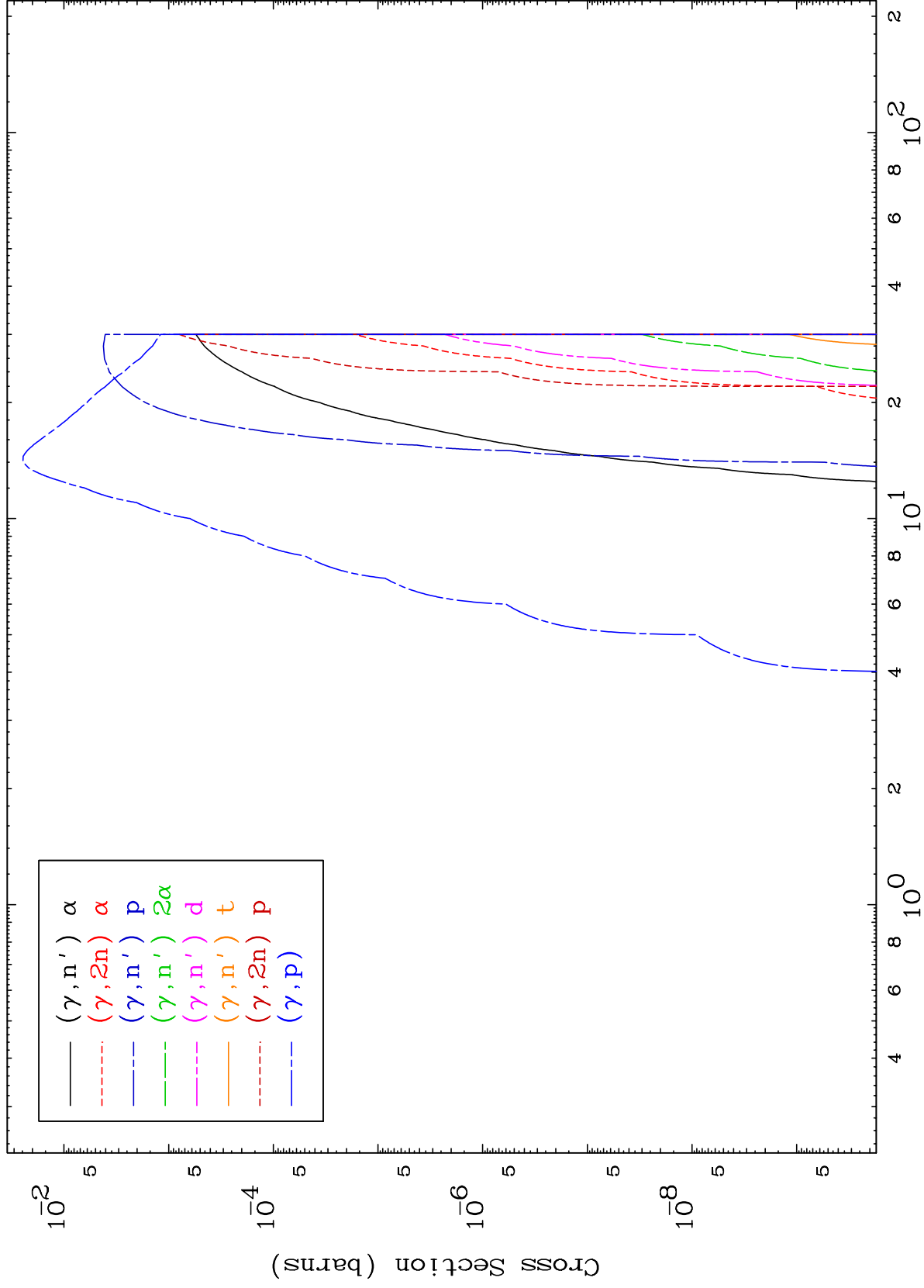
81-Tl-189



2

Incident Energy (MeV)

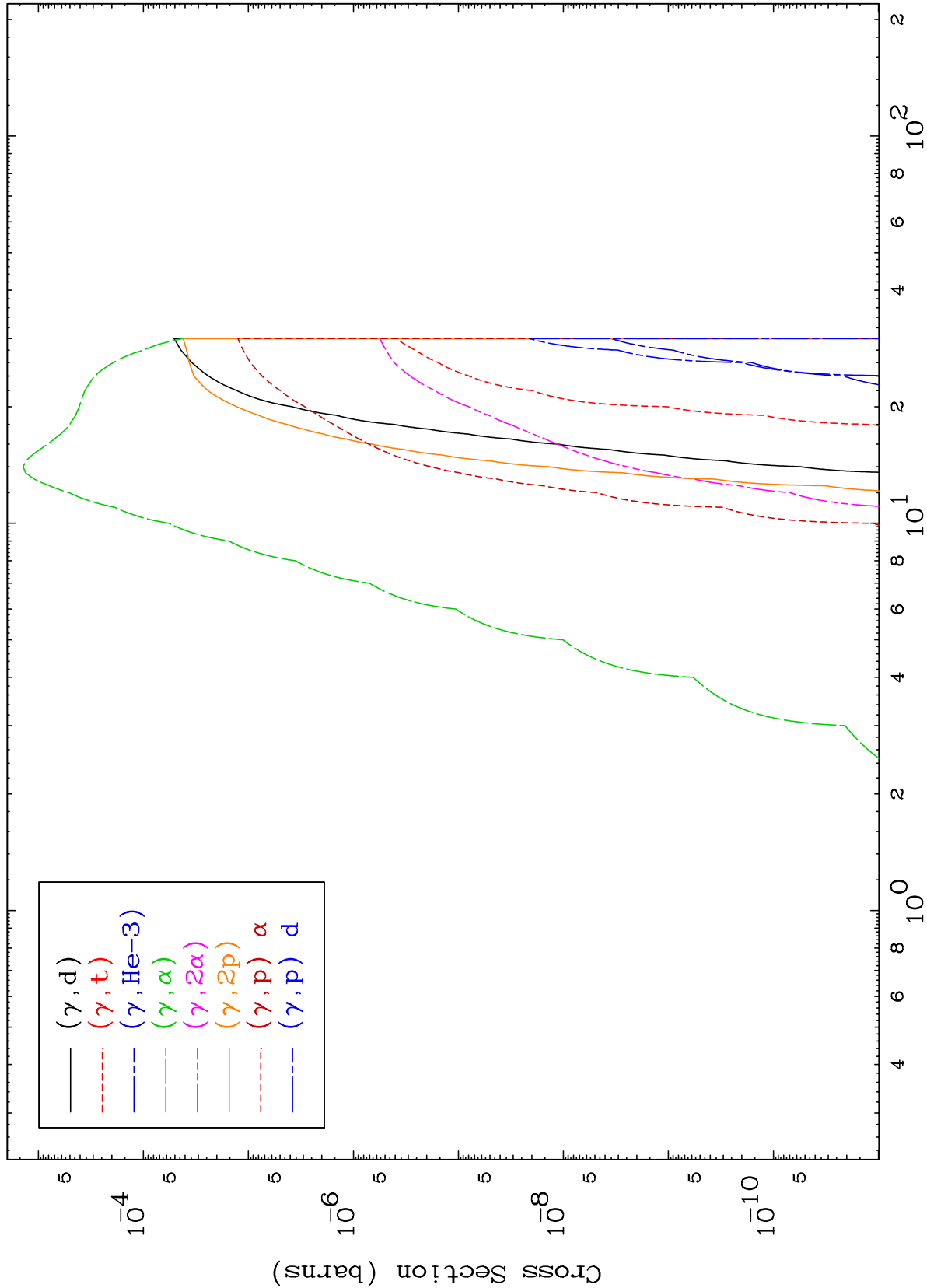
81-Tl-189



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Photon Charged Particle  
0 Kelvin Cross Sections

81-Tl-189

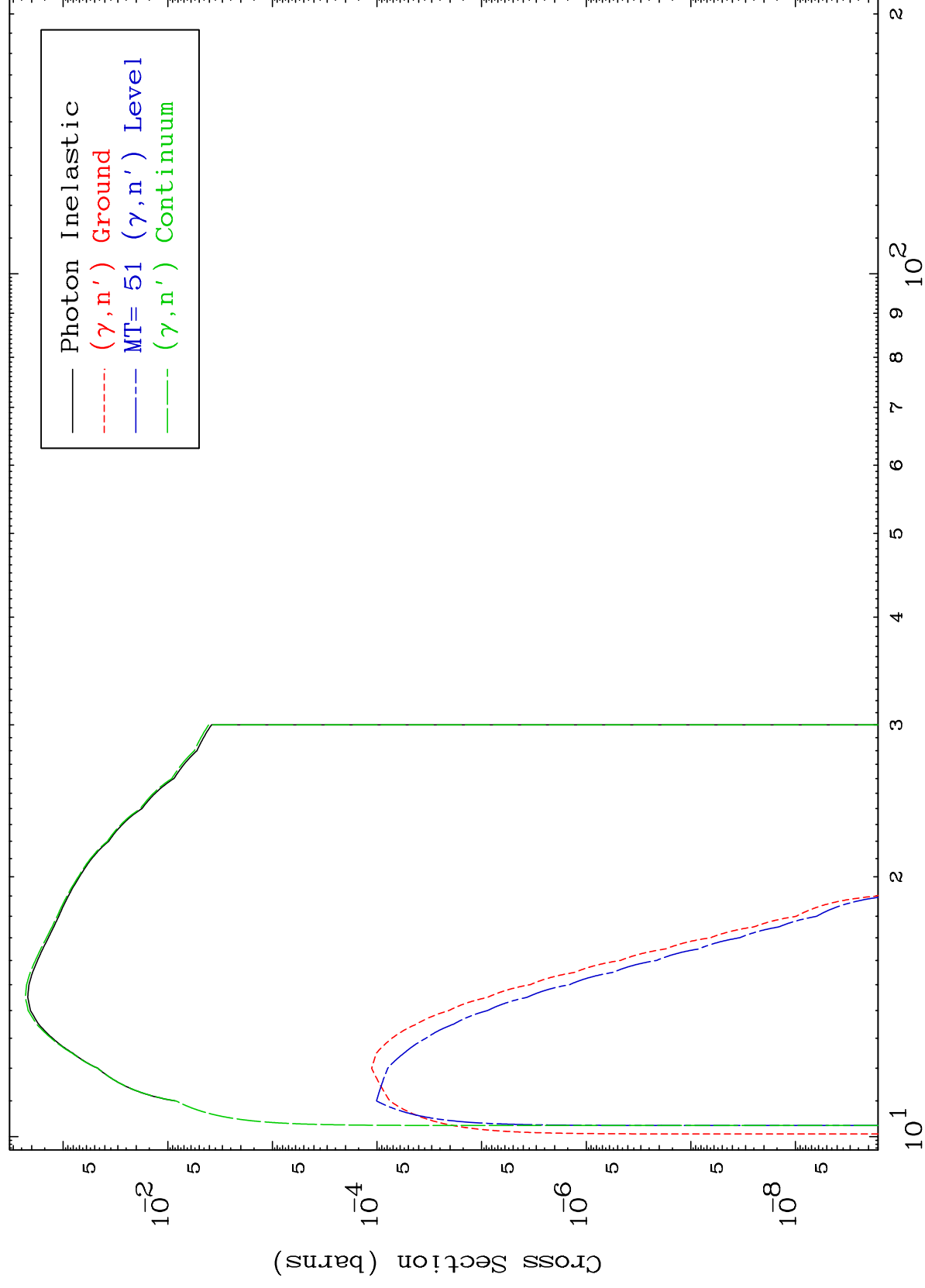


MAT 8084

 $(\gamma, n')$  Level

81-T1-189

0 Kelvin Cross Sections



81-T1-189

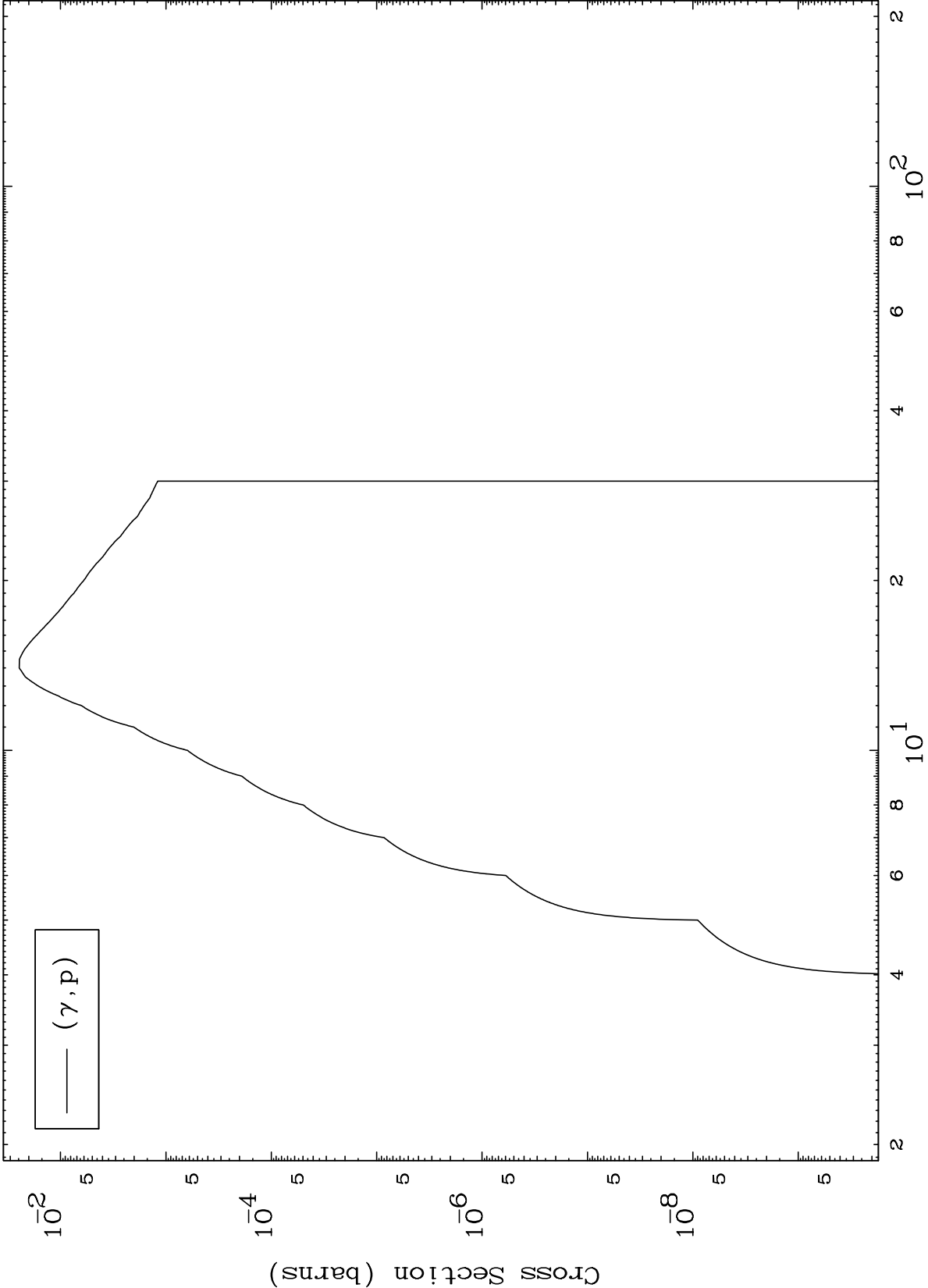
Incident Energy (MeV)

MAT 8084

( $\gamma$ ,p) Levels

81-Tl-189

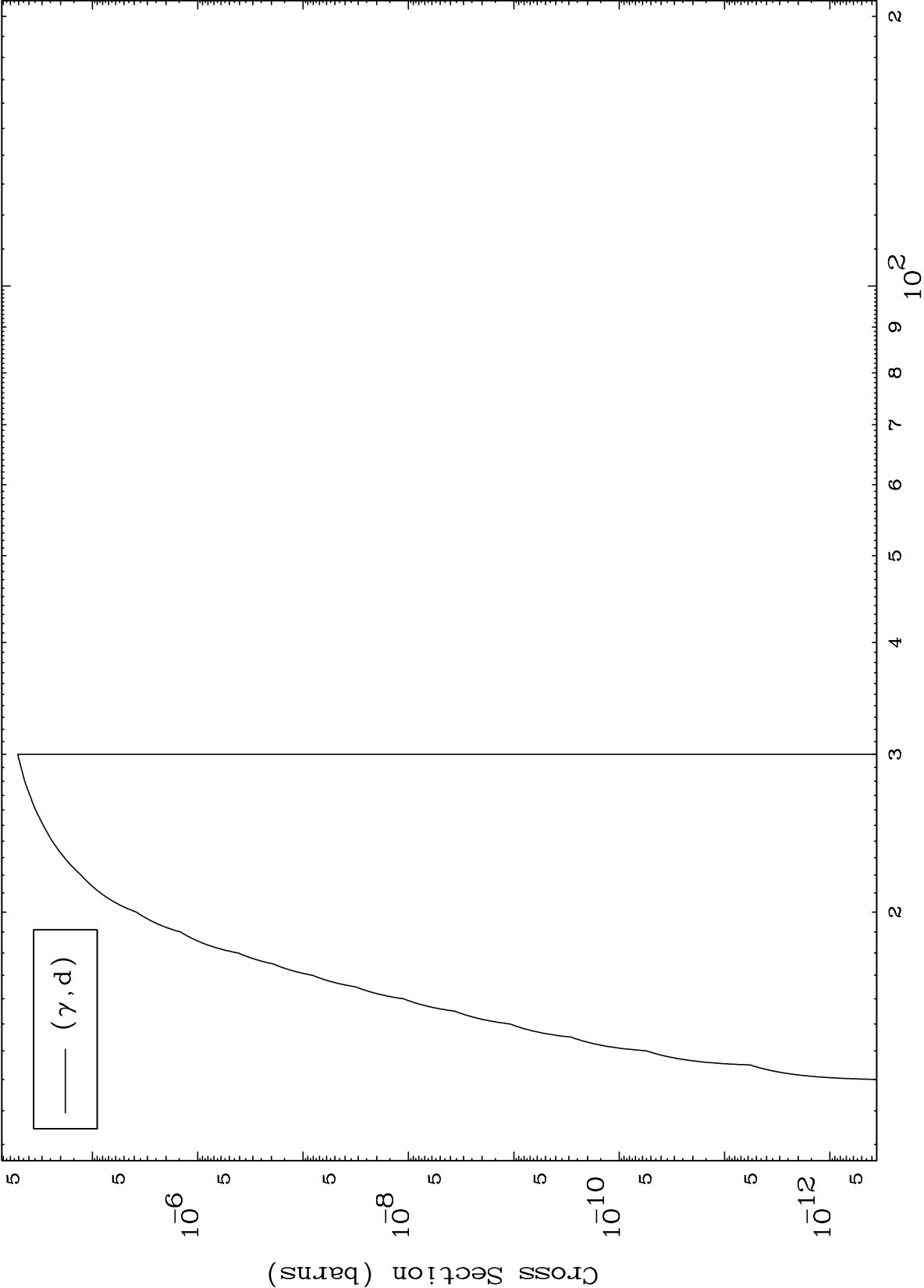
0 Kelvin Cross Sections



Incident Energy (MeV)

81-Tl-189

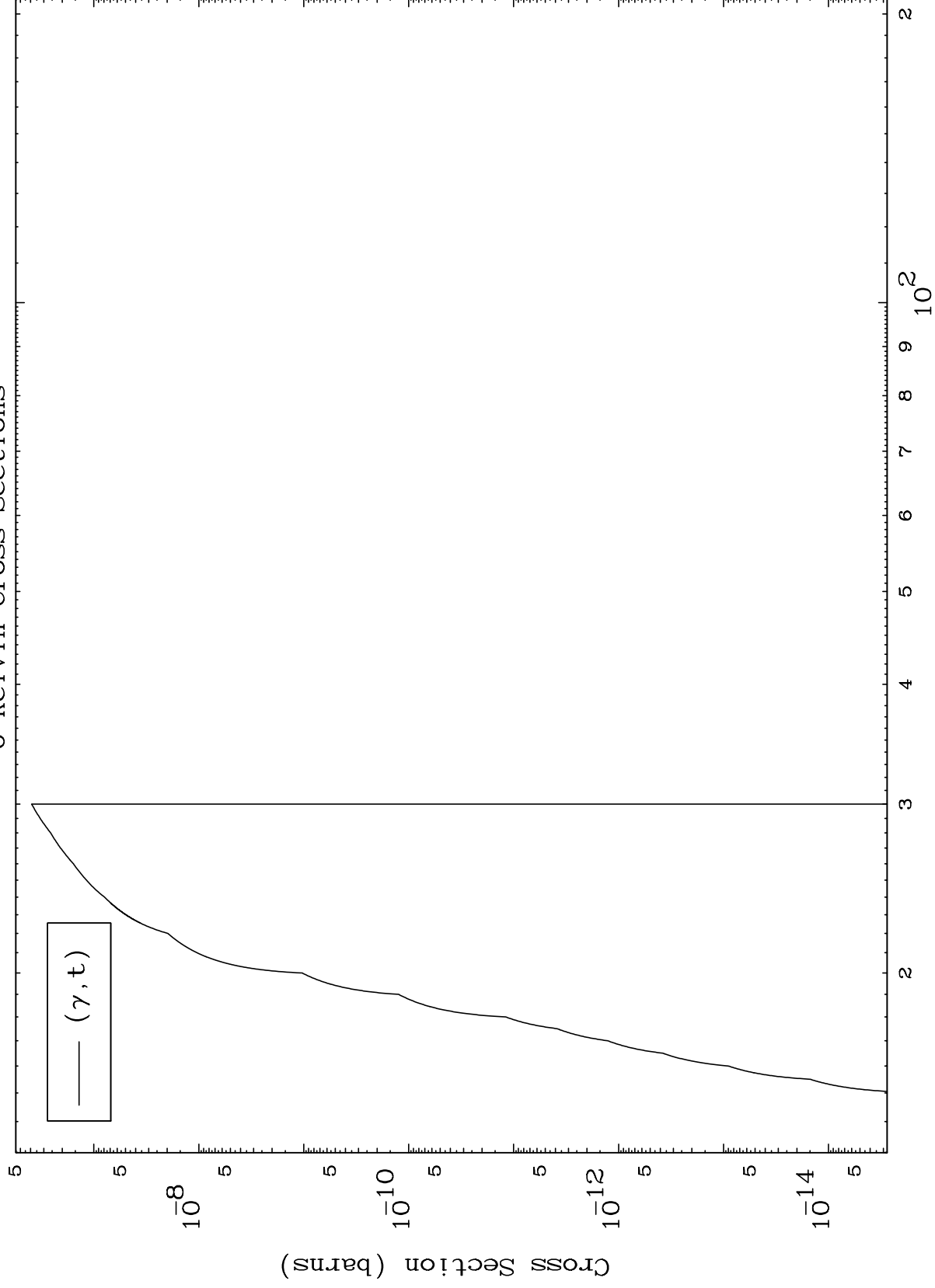
0 Kelvin Cross Sections



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81-Tl-189

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

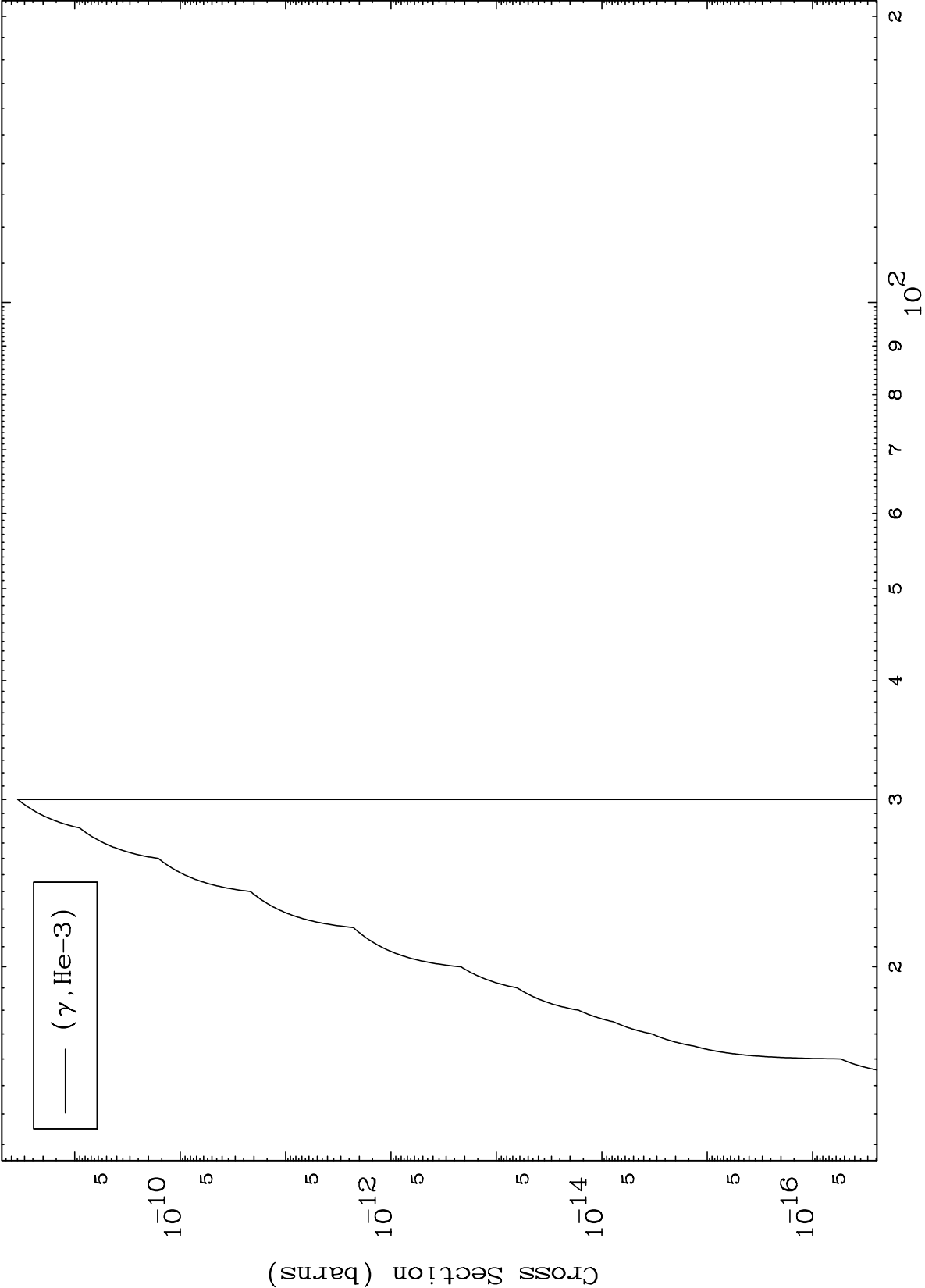


81-Tl-189

Incident Energy (MeV)

8

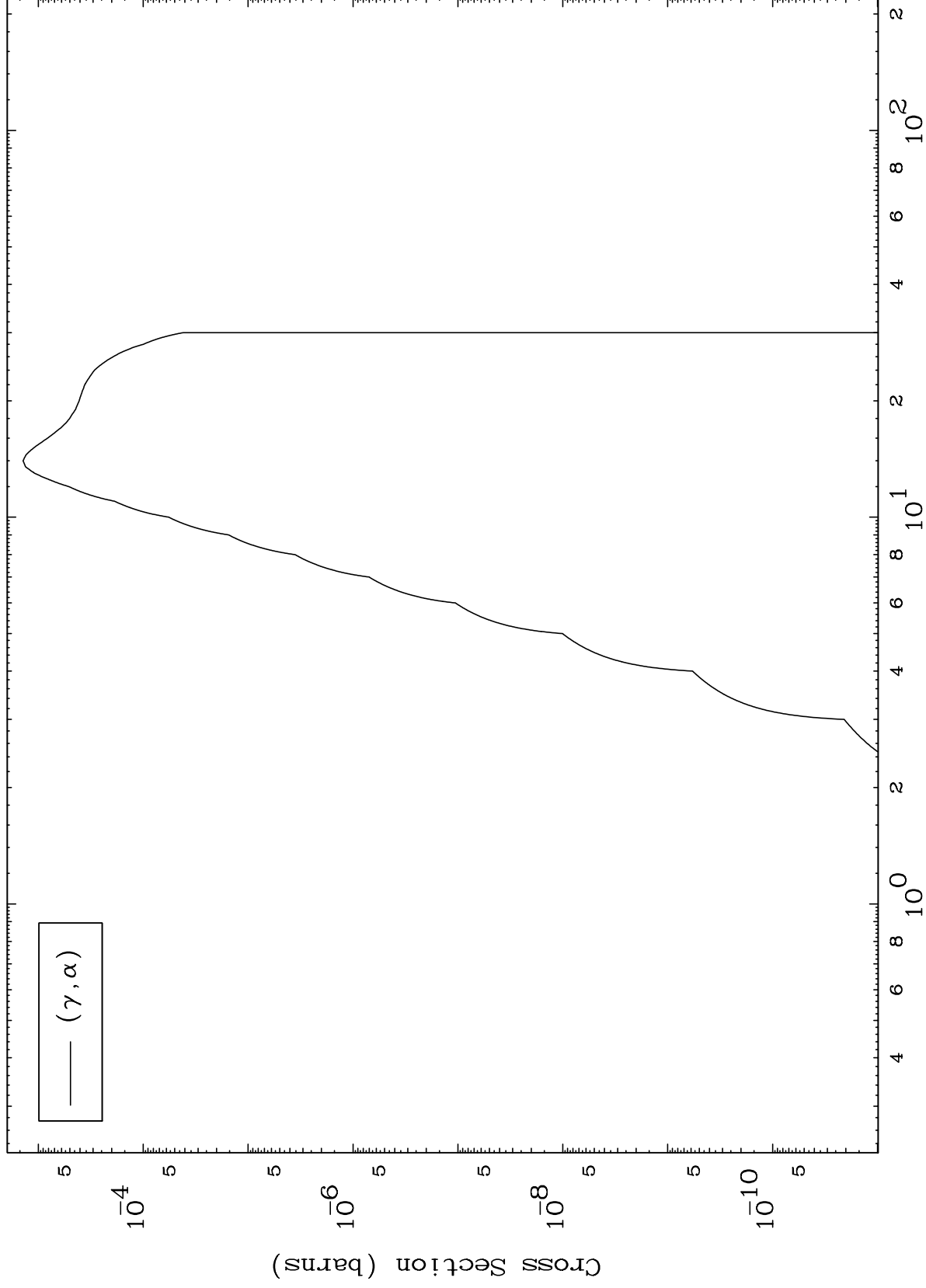
0 Kelvin Cross Sections



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81-Tl-189

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

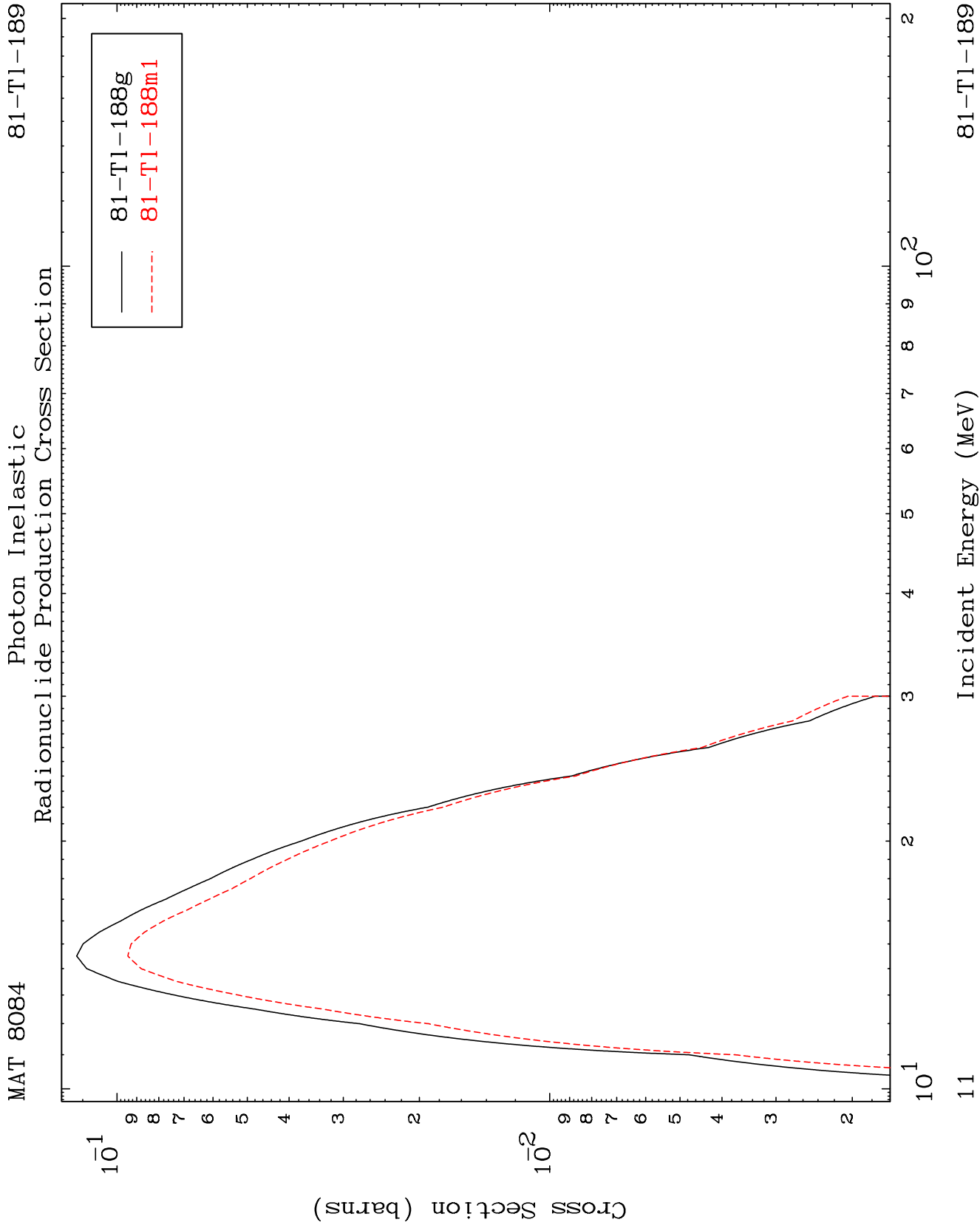


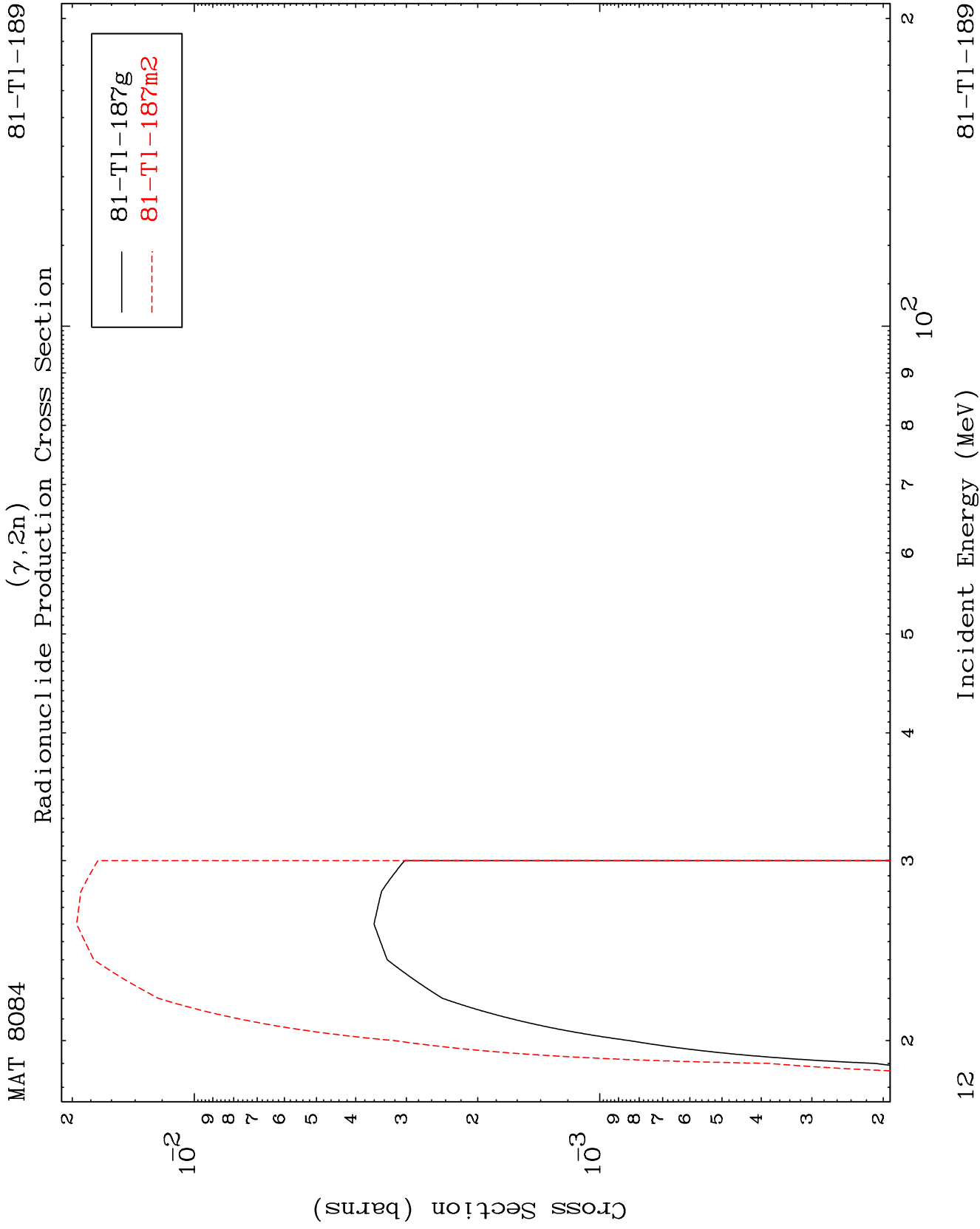
— ( $\gamma, \alpha$ )

81-Tl-189

Incident Energy (MeV)

10



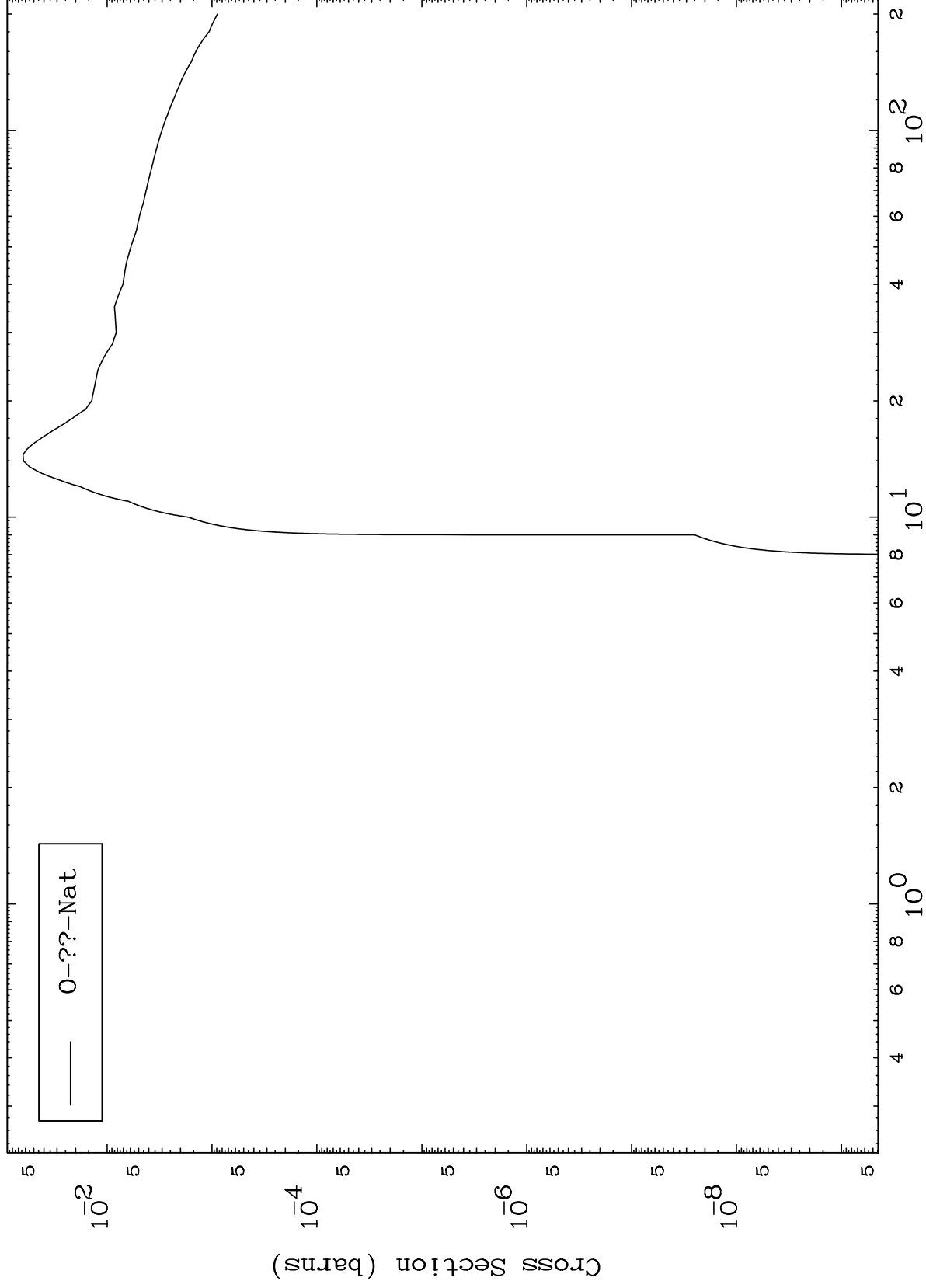


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Photon Fission

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Radionuclide Production Cross Section



13

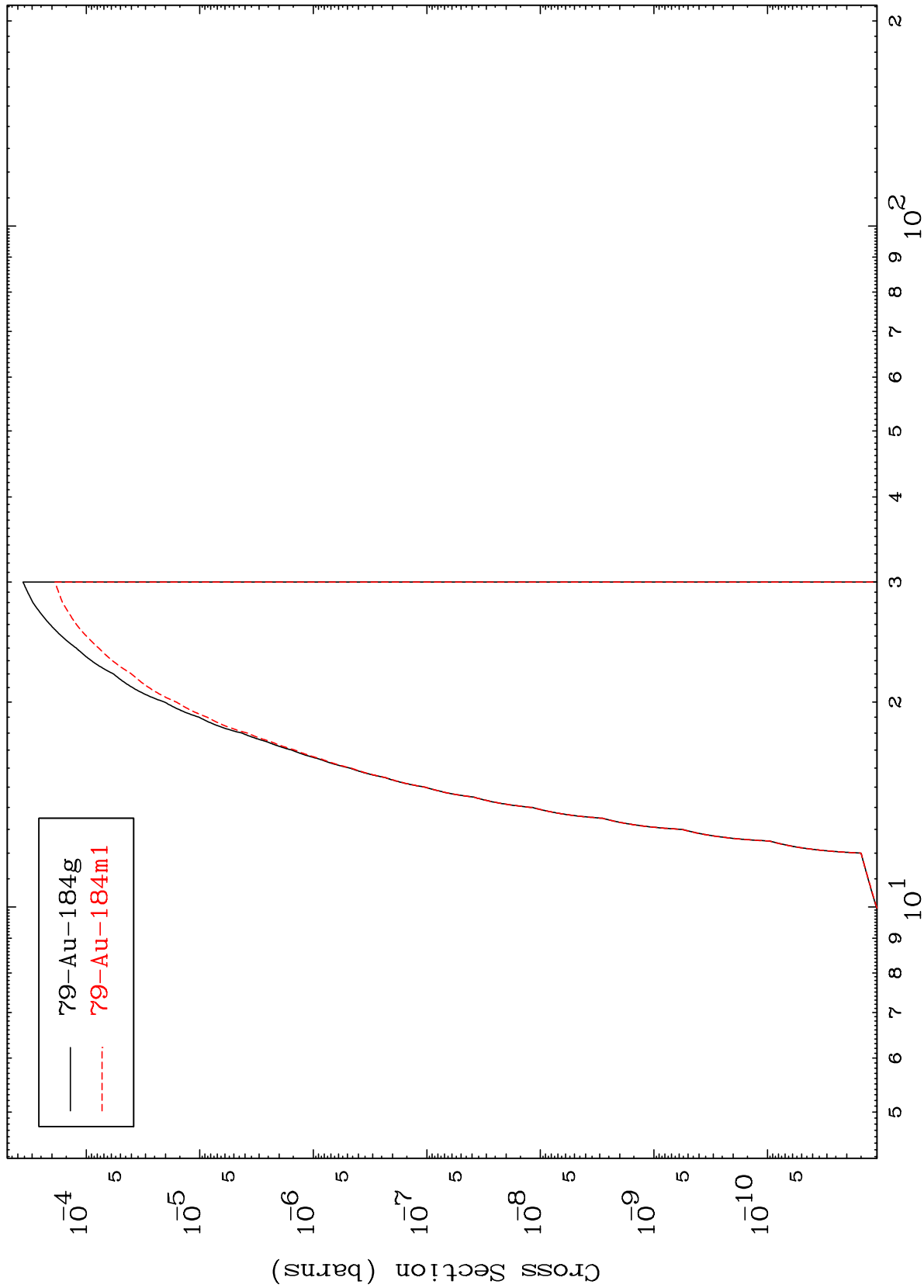
Incident Energy (MeV)

81-Tl-189

MAT 8084

81-Tl-189

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



81-Tl-189

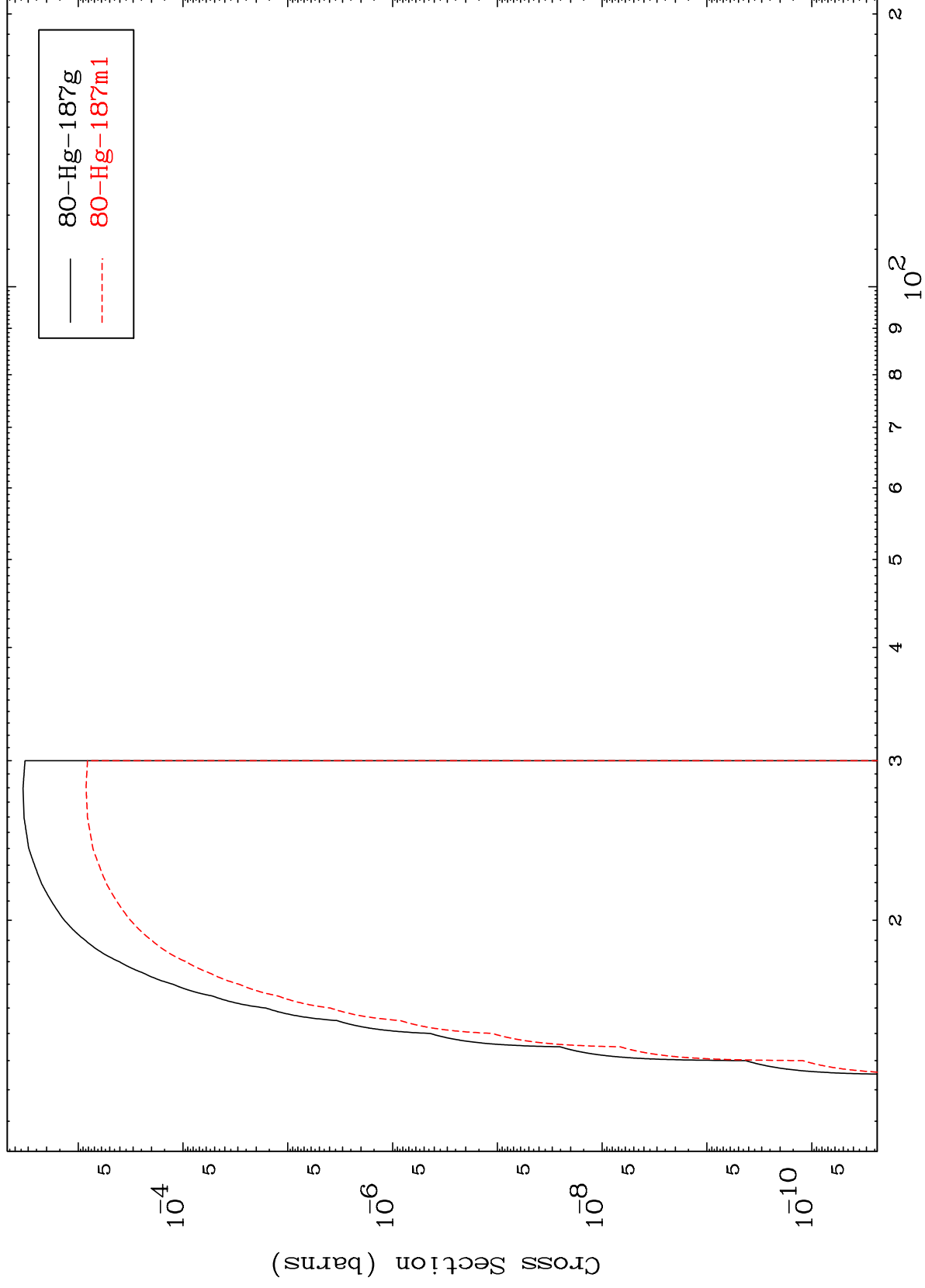
Incident Energy (MeV)

14

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81-Tl-189

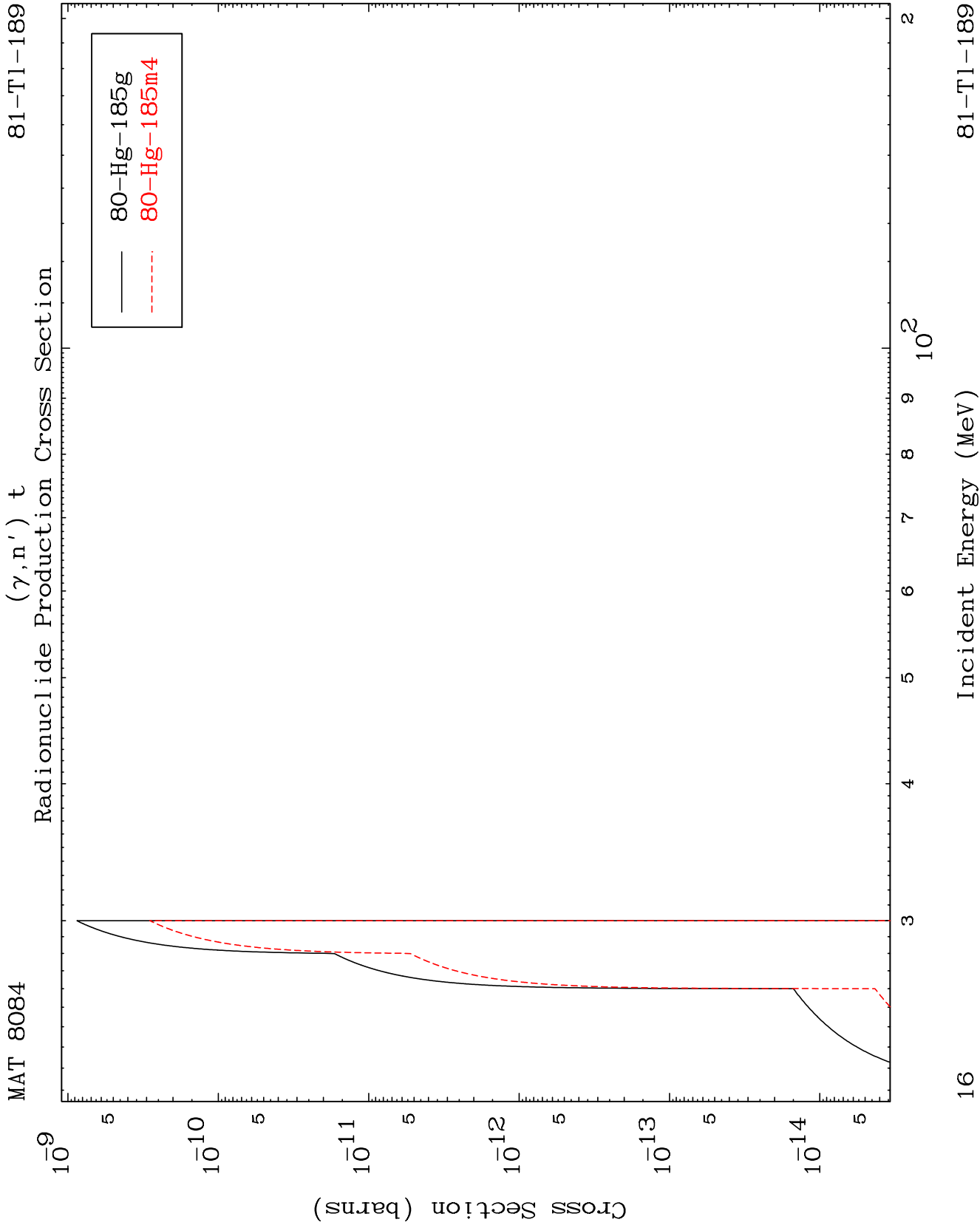
$(\gamma, n')$  p  
Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-189

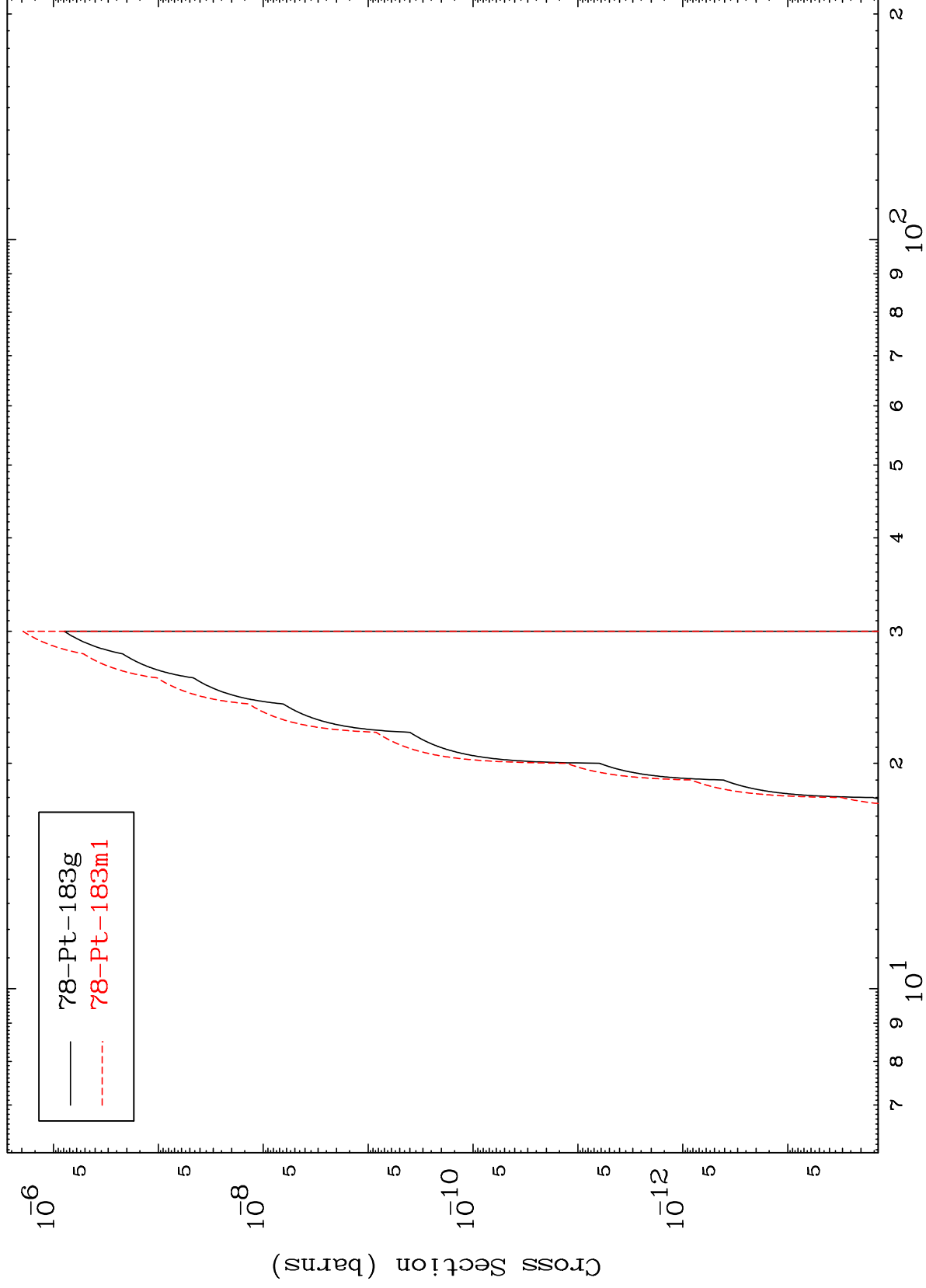
15



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81-Tl-189

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



17

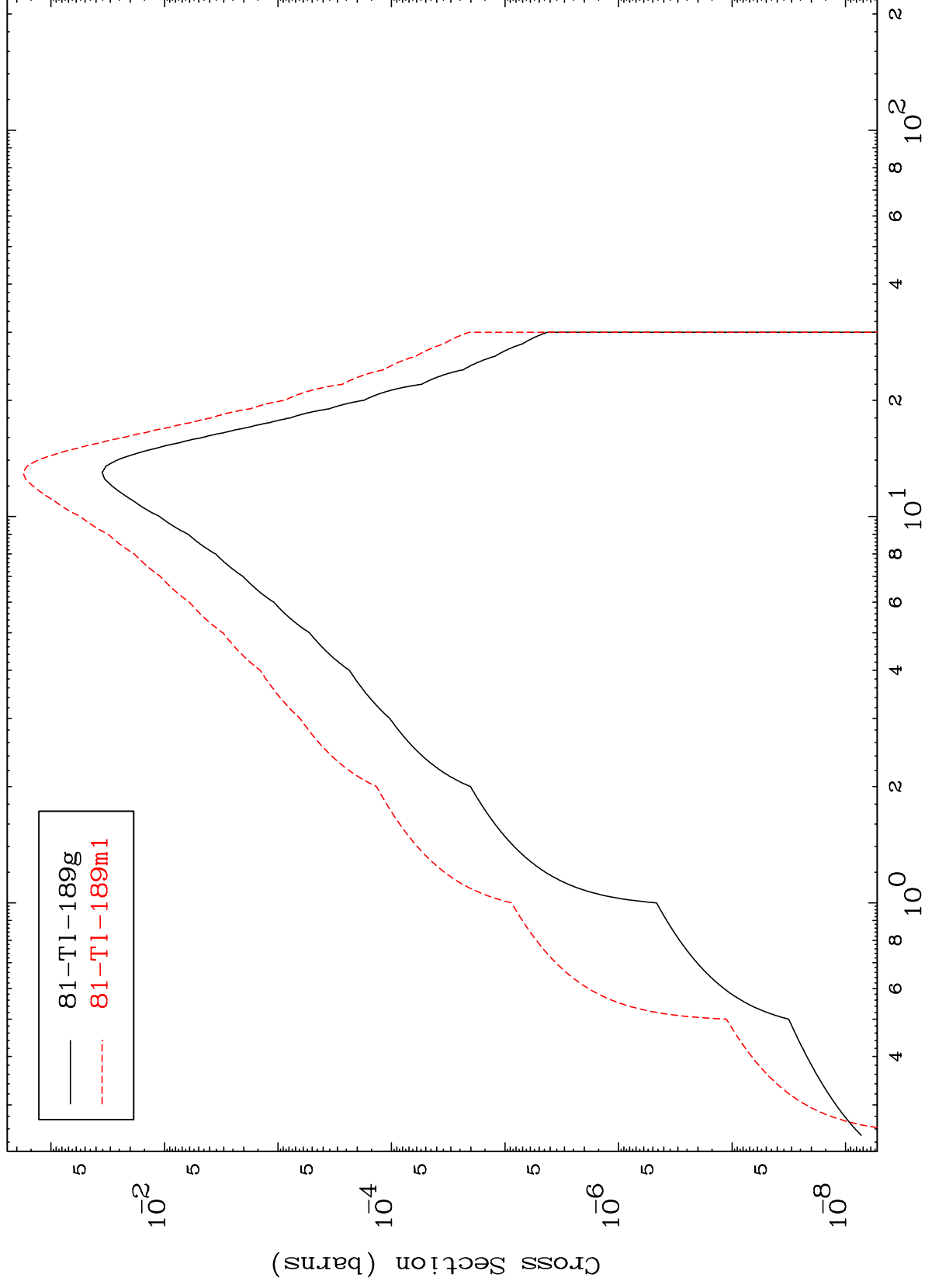
81-Tl-189

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81-Tl-189

Radionuclide Production Cross Section

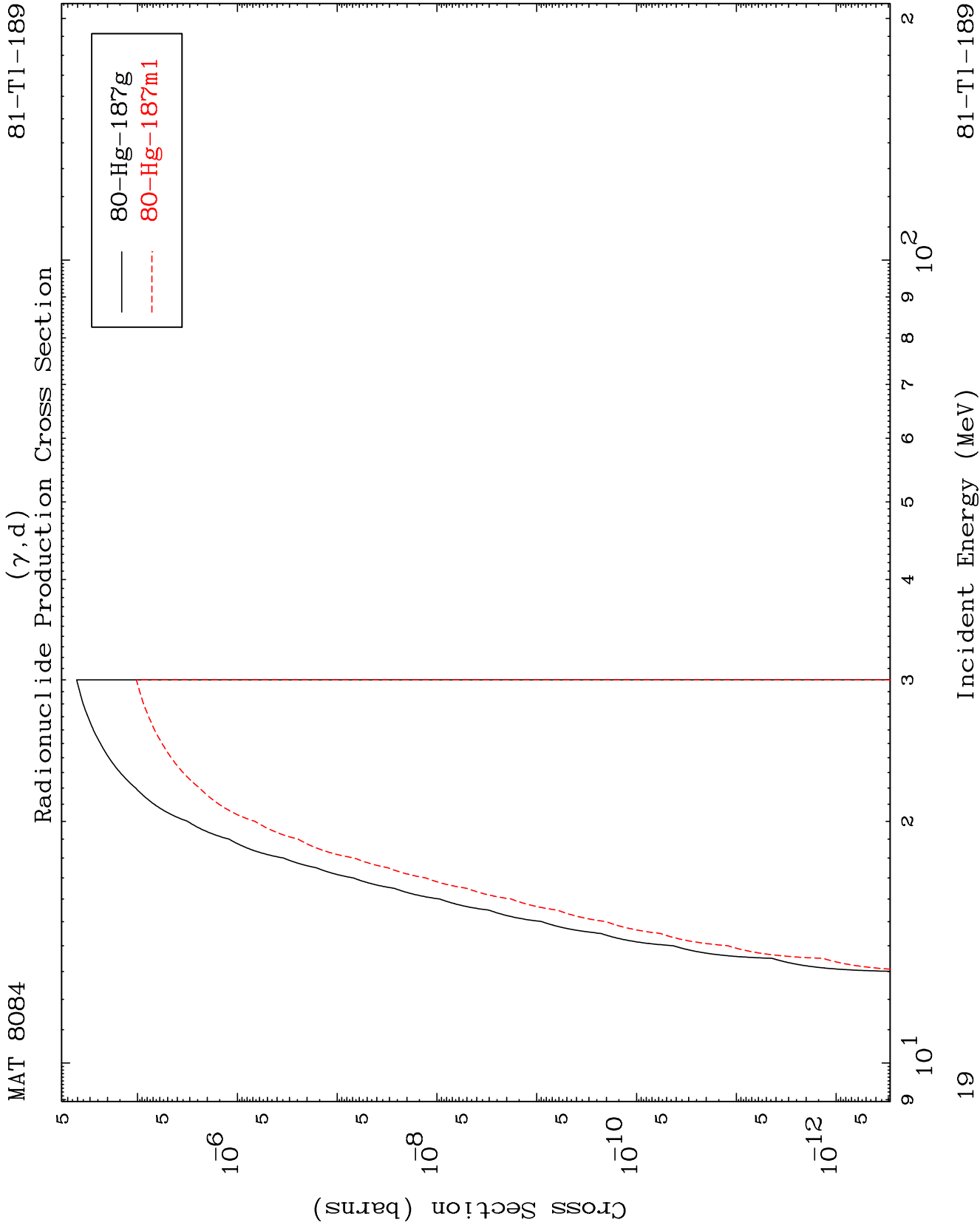
$(\gamma, \gamma)$



18

Incident Energy (MeV)

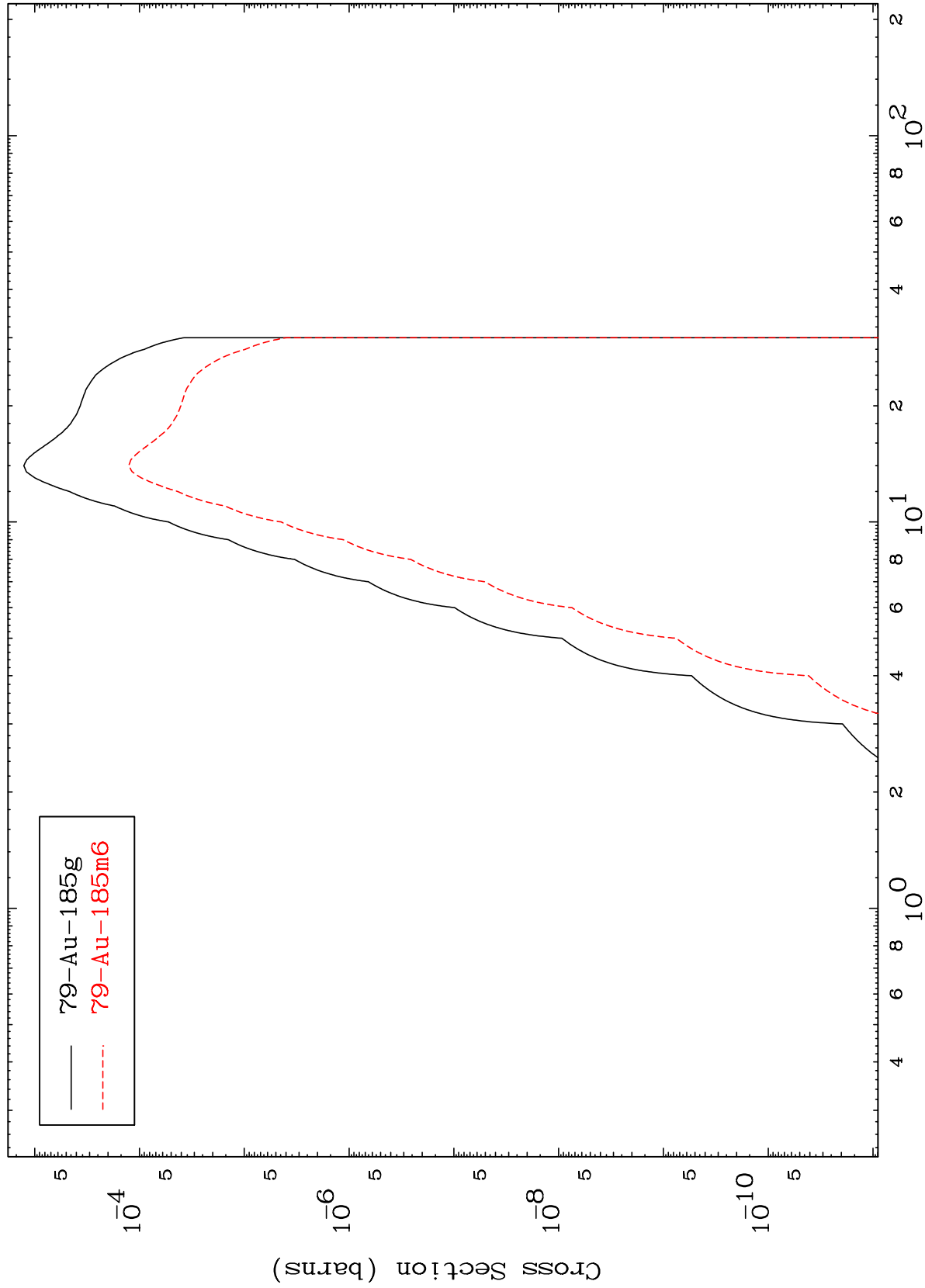
81-Tl-189



MAT 8084

81-Tl-189

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



20

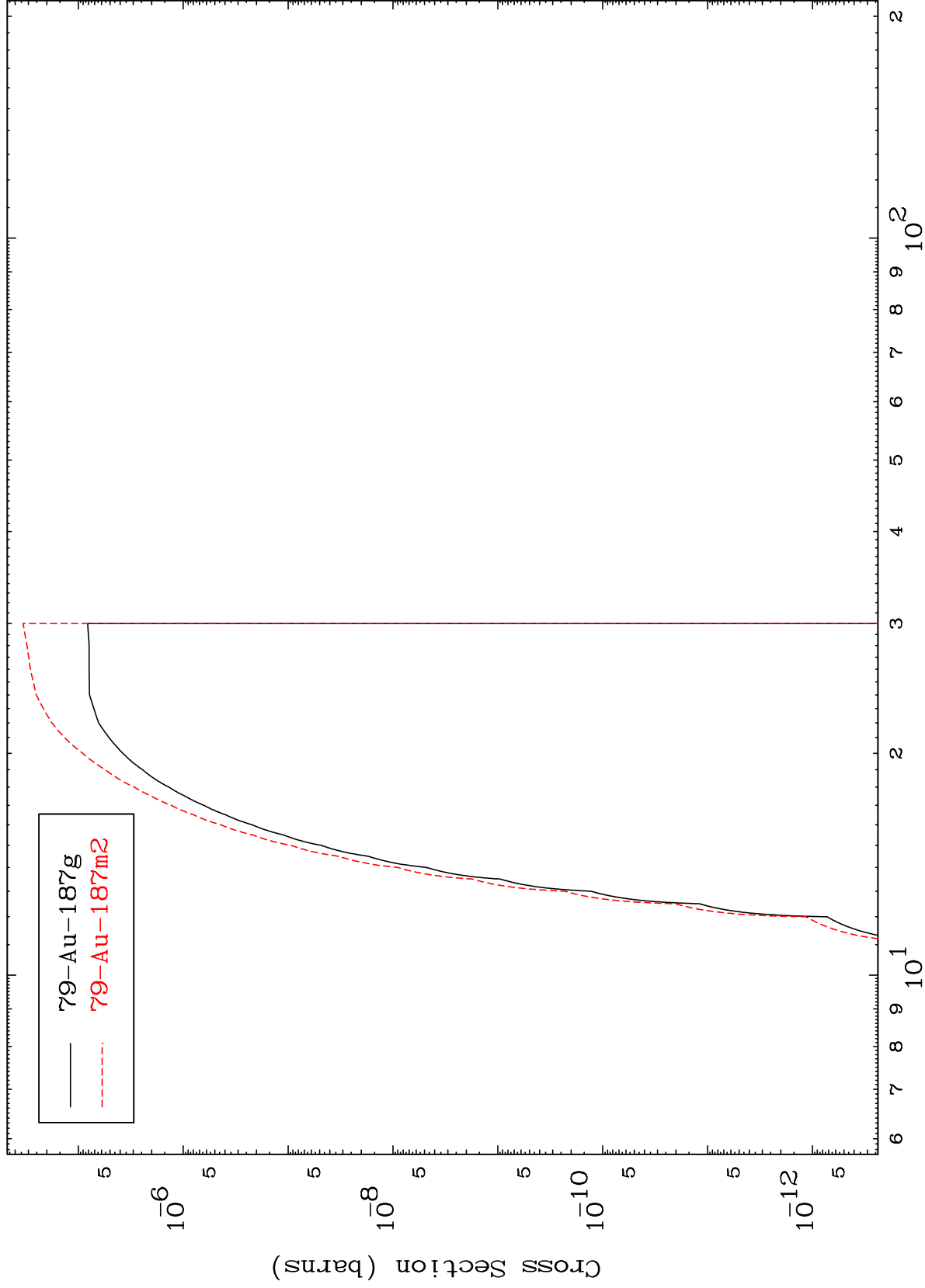
Incident Energy (MeV)

81-Tl-189

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81-Tl-189

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



21

Incident Energy (MeV)

81-Tl-189

