

Program EVALPLOT  
(Version 2017-1)

by

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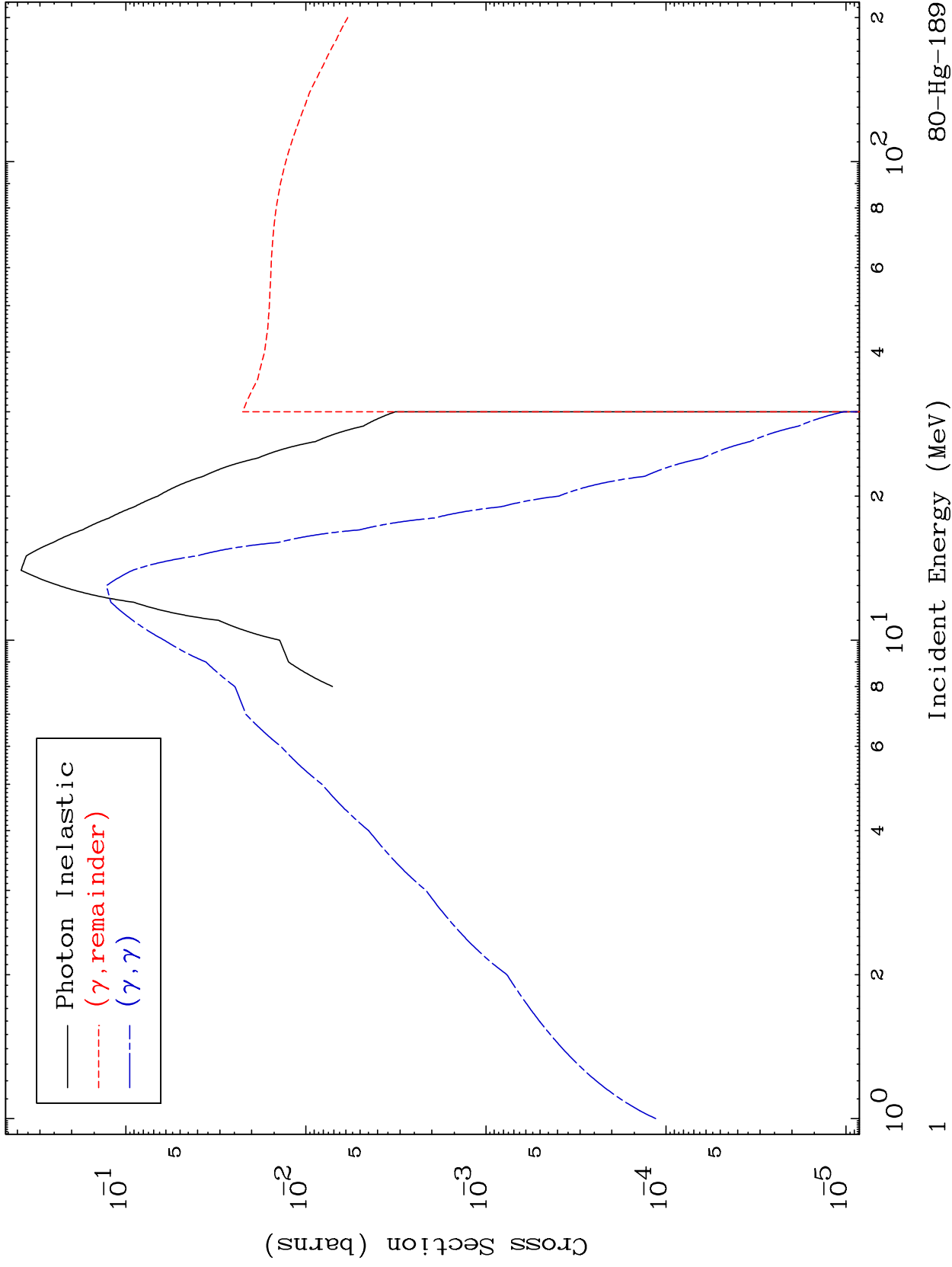
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8004

Photon Major  
0 Kelvin Cross Sections

80-Hg-189



— Photon Inelastic  
- - -  $(\gamma, \text{remainder})$   
- . -  $(\gamma, \gamma)$

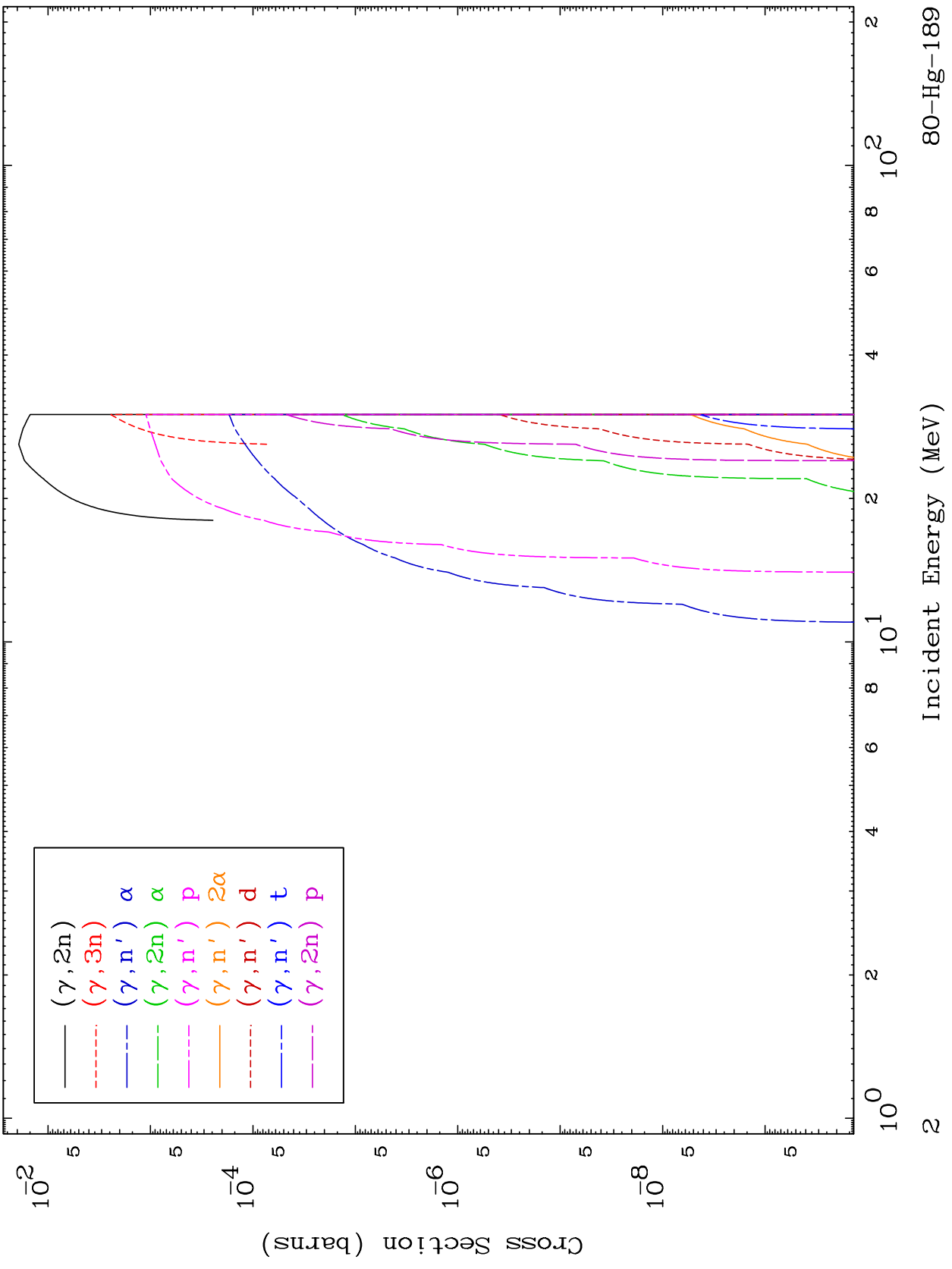
80-Hg-189

Incident Energy (MeV)

MAT 8004

Photon Neutron Production  
0 Kelvin Cross Sections

80-Hg-189

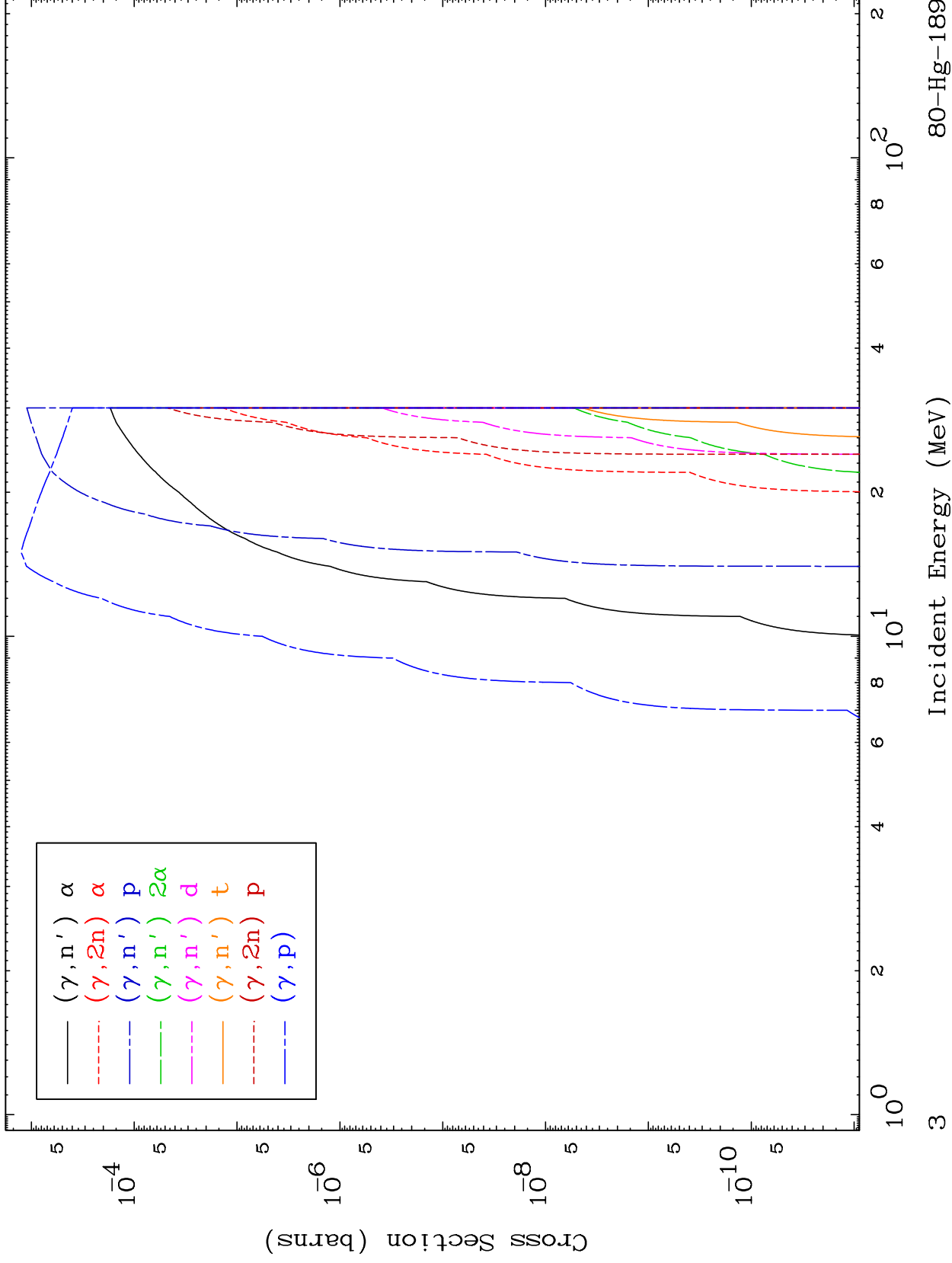


80-Hg-189

MAT 8004

Photon Charged Particle  
0 Kelvin Cross Sections

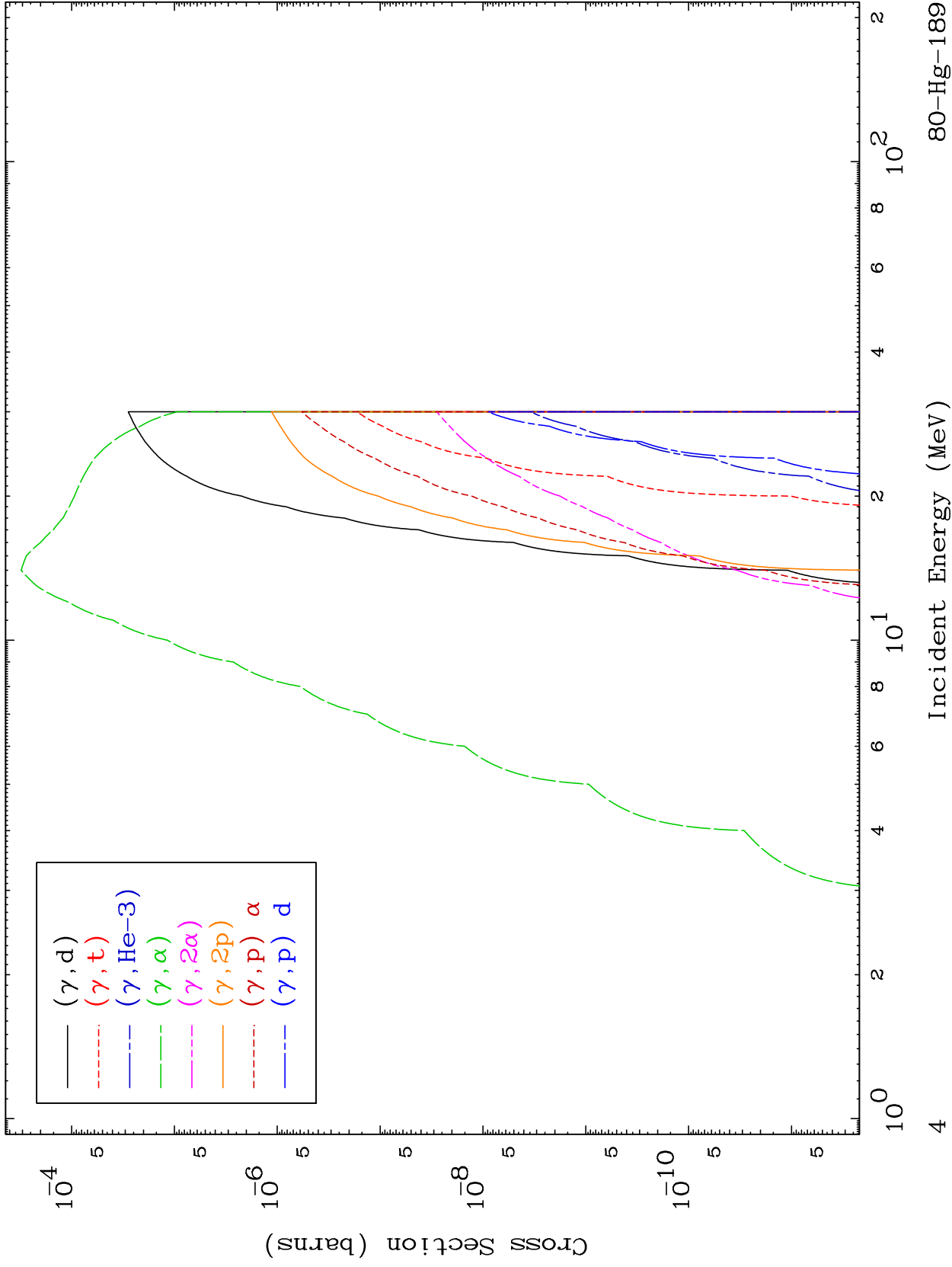
80-Hg-189



MAT 8004

Photon Charged Particle  
0 Kelvin Cross Sections

80-Hg-189

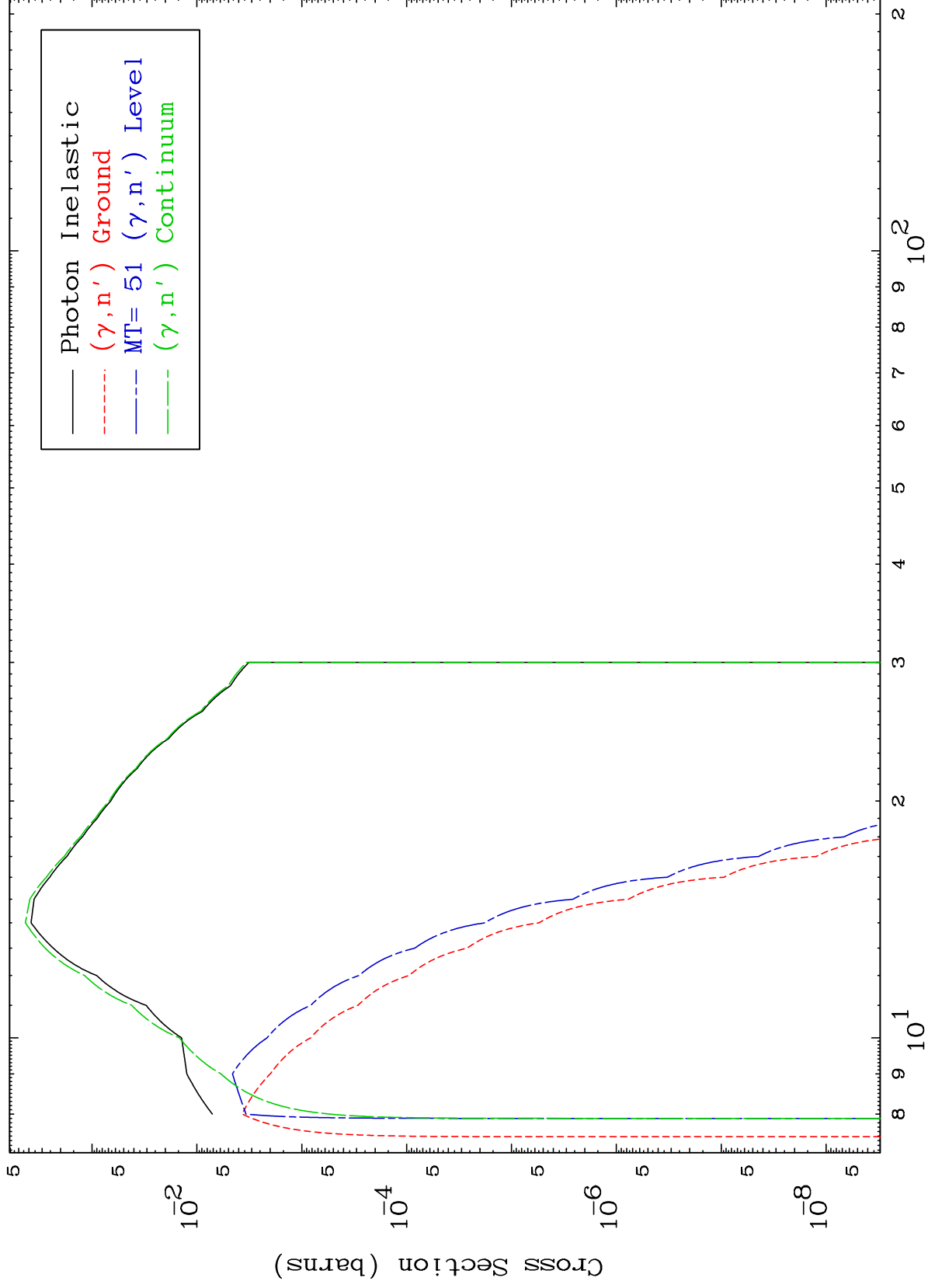


MAT 8004

$(\gamma, n')$  Level

80-Hg-189

0 Kelvin Cross Sections



5

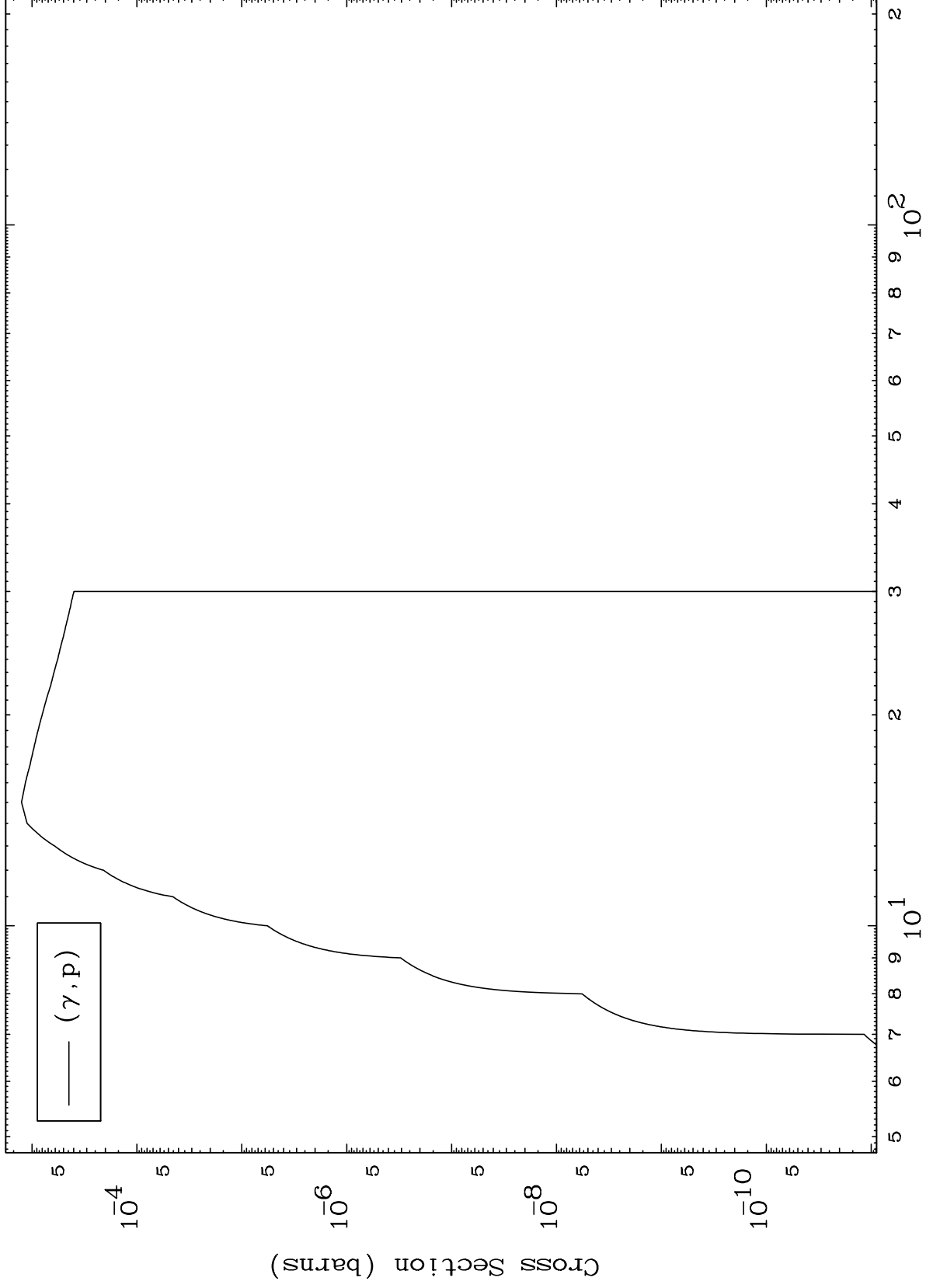
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



6

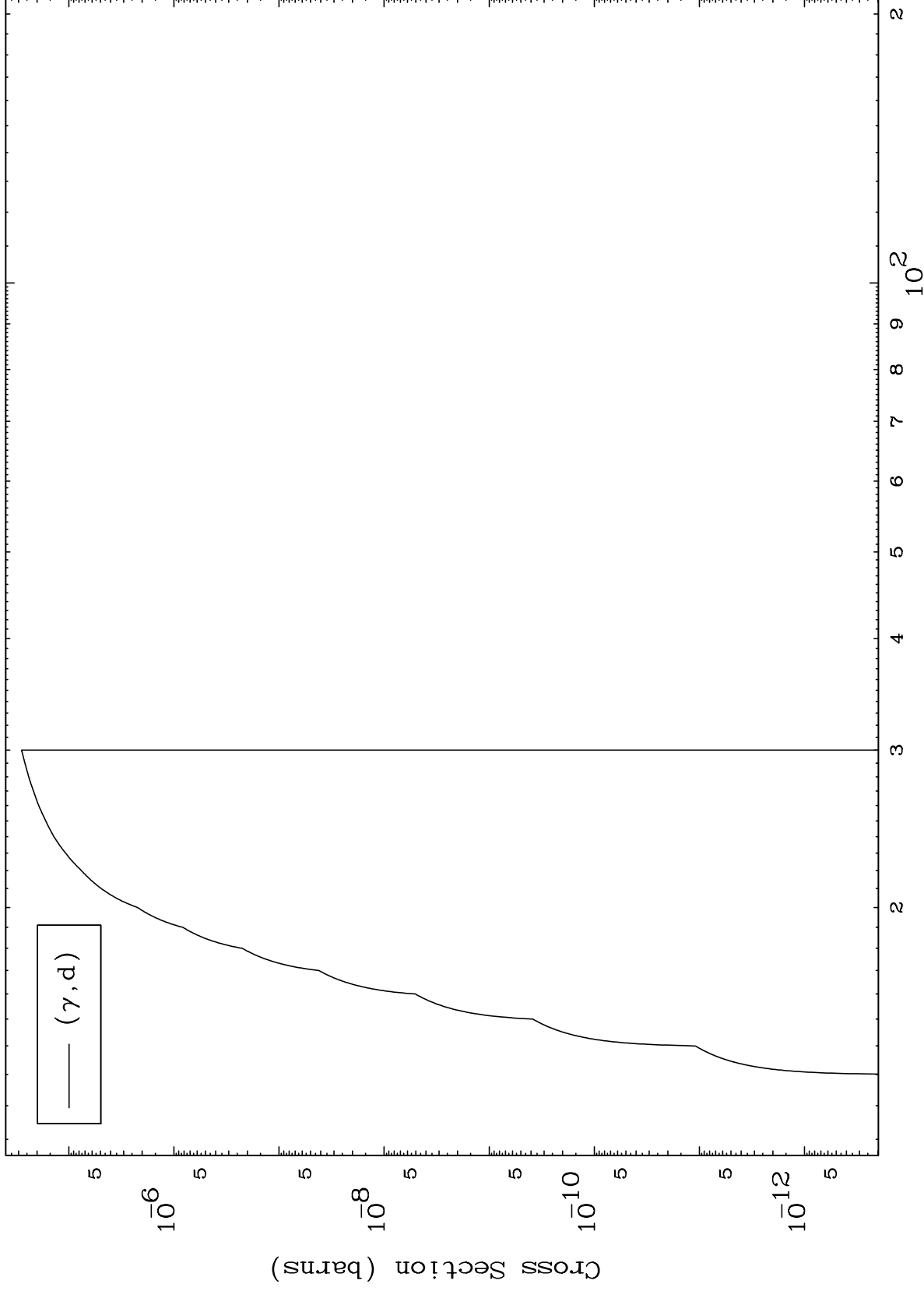
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189

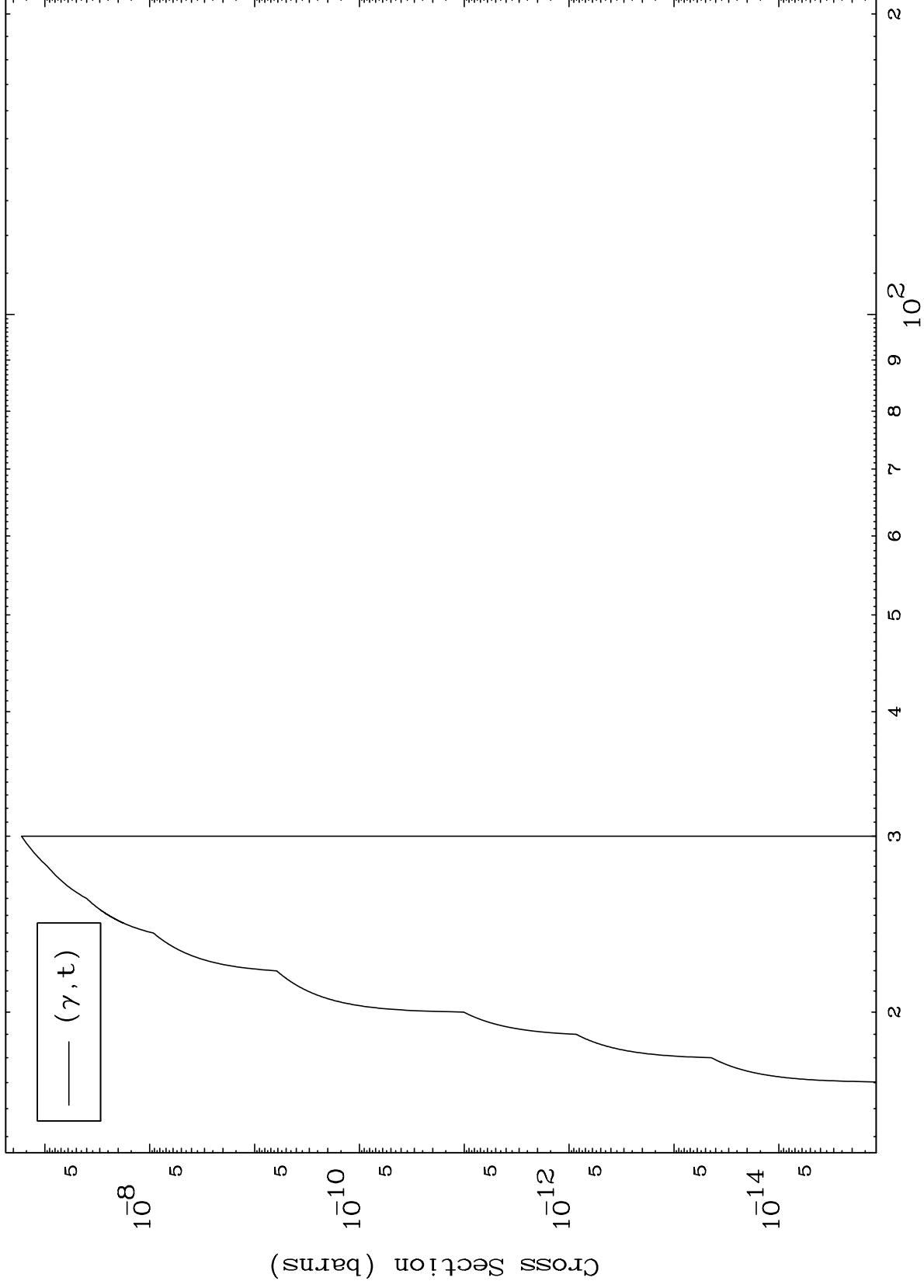




MAT 8004

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

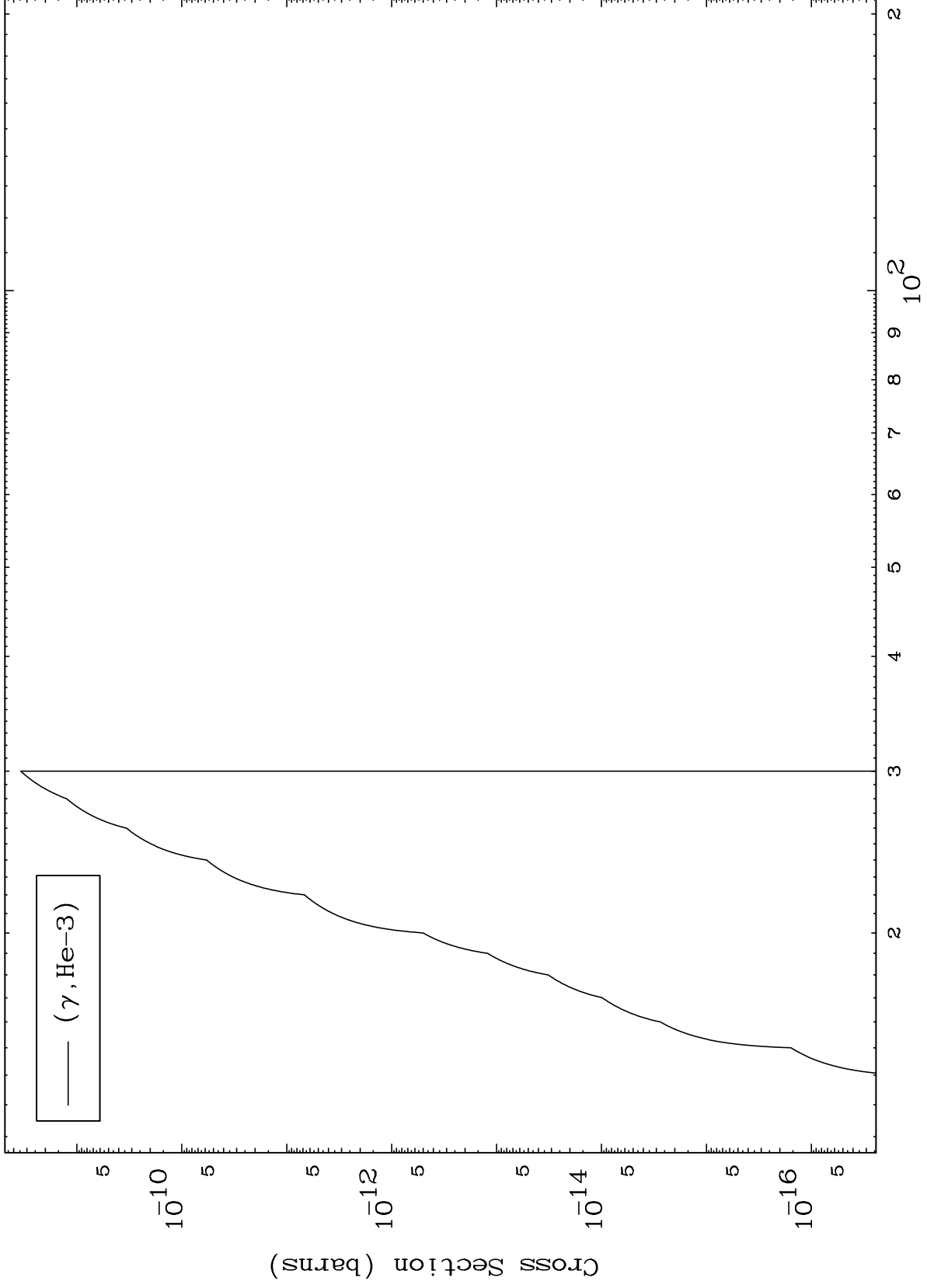
80-Hg-189



8

Incident Energy (MeV)

80-Hg-189

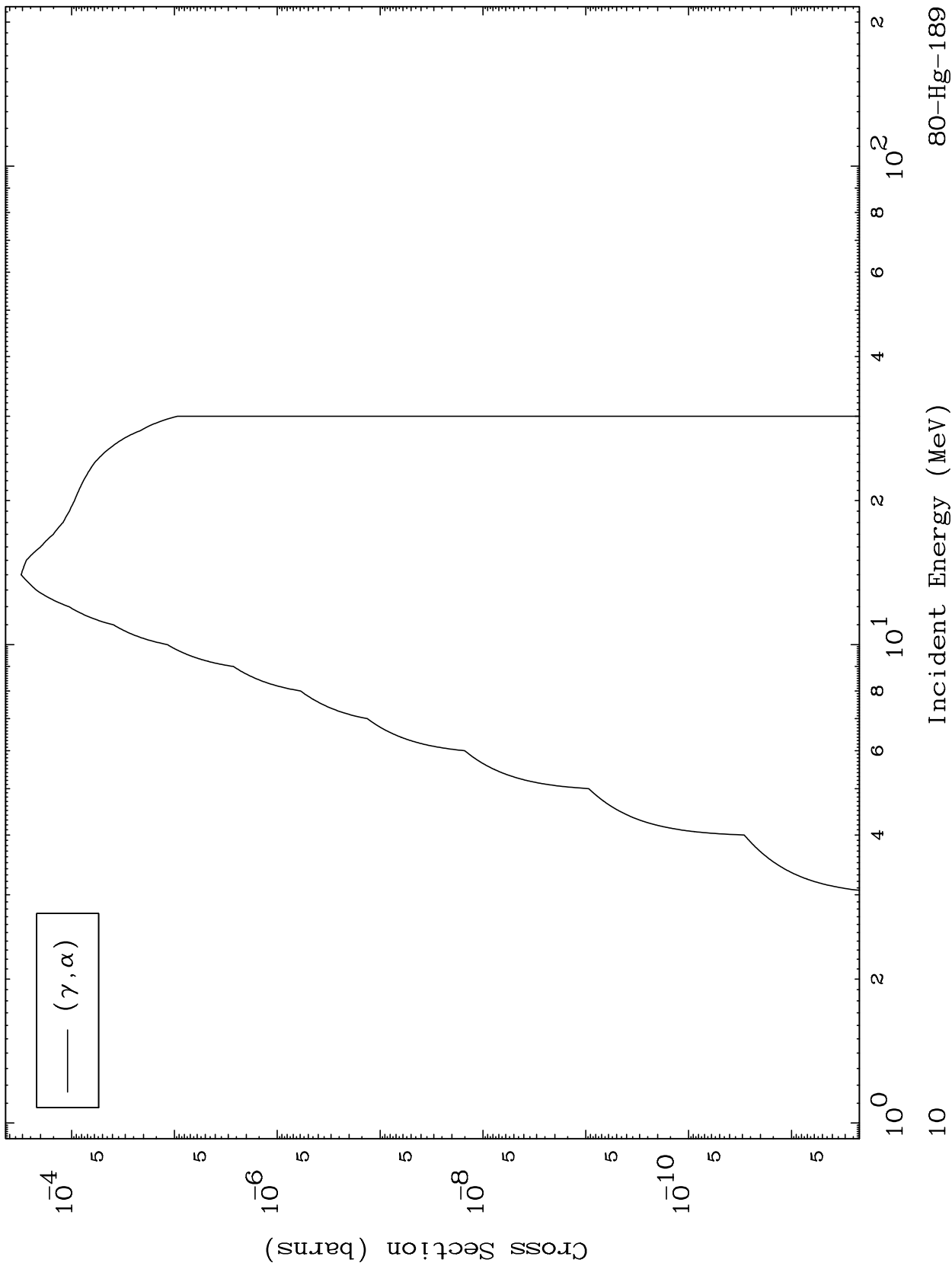


MAT 8004

( $\gamma, \alpha$ ) Levels

80-Hg-189

0 Kelvin Cross Sections



Incident Energy (MeV)

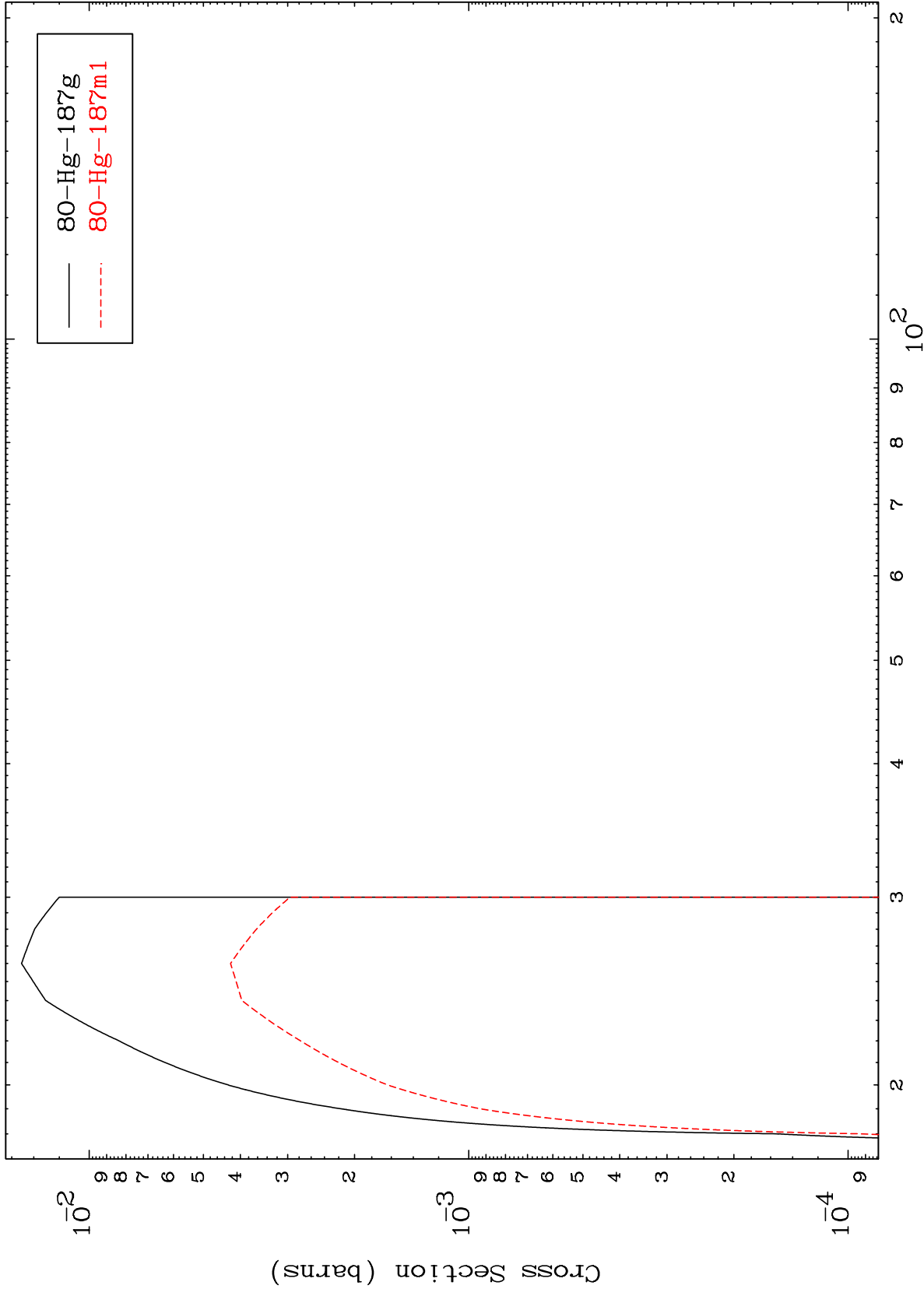
80-Hg-189

MAT 8004

( $\gamma, 2n$ )

80-Hg-189

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1

11

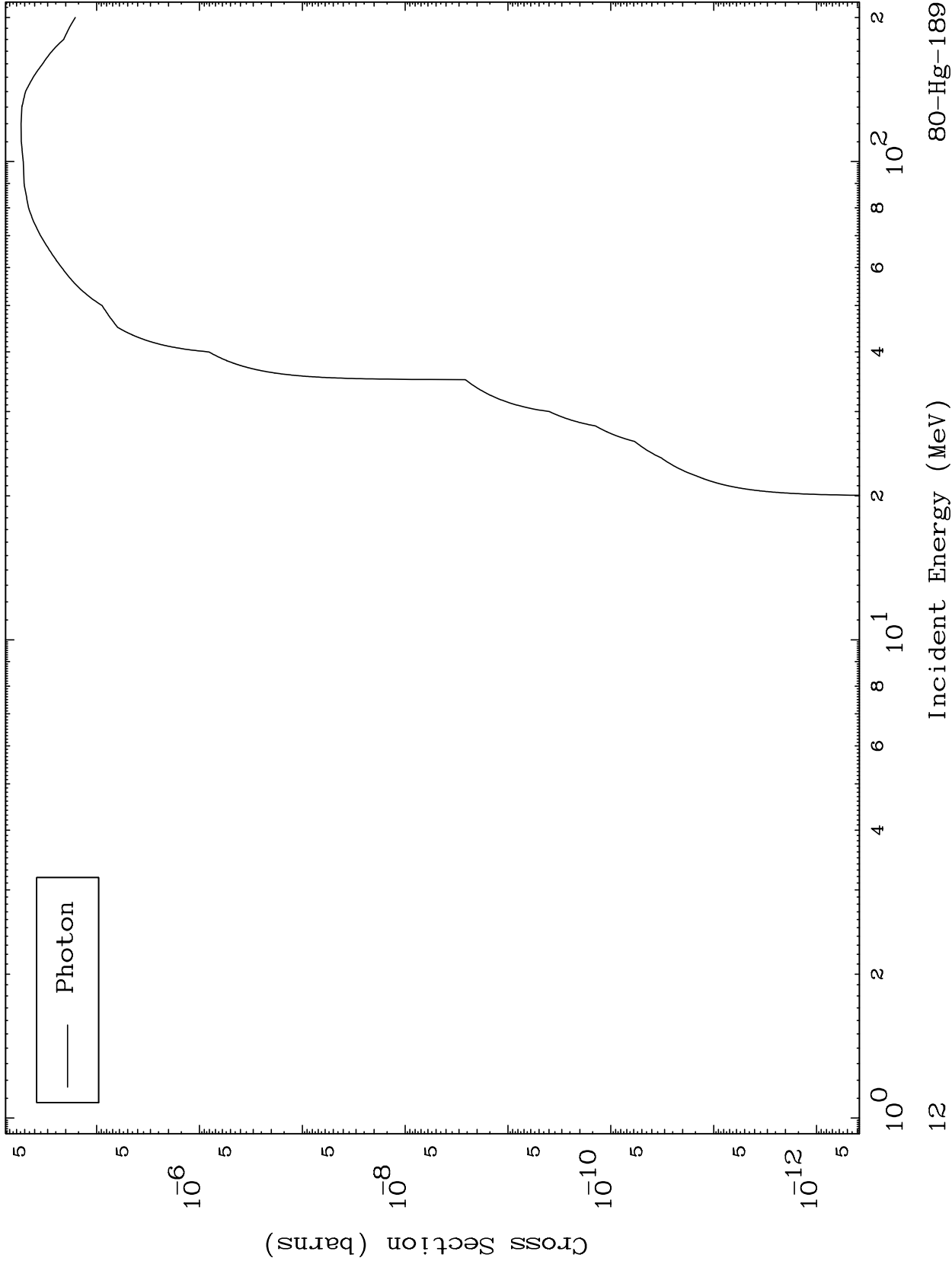
Incident Energy (MeV)

80-Hg-189

MAT 8004

Photon Fission  
Radionuclide Production Cross Section

80-Hg-189



80-Hg-189

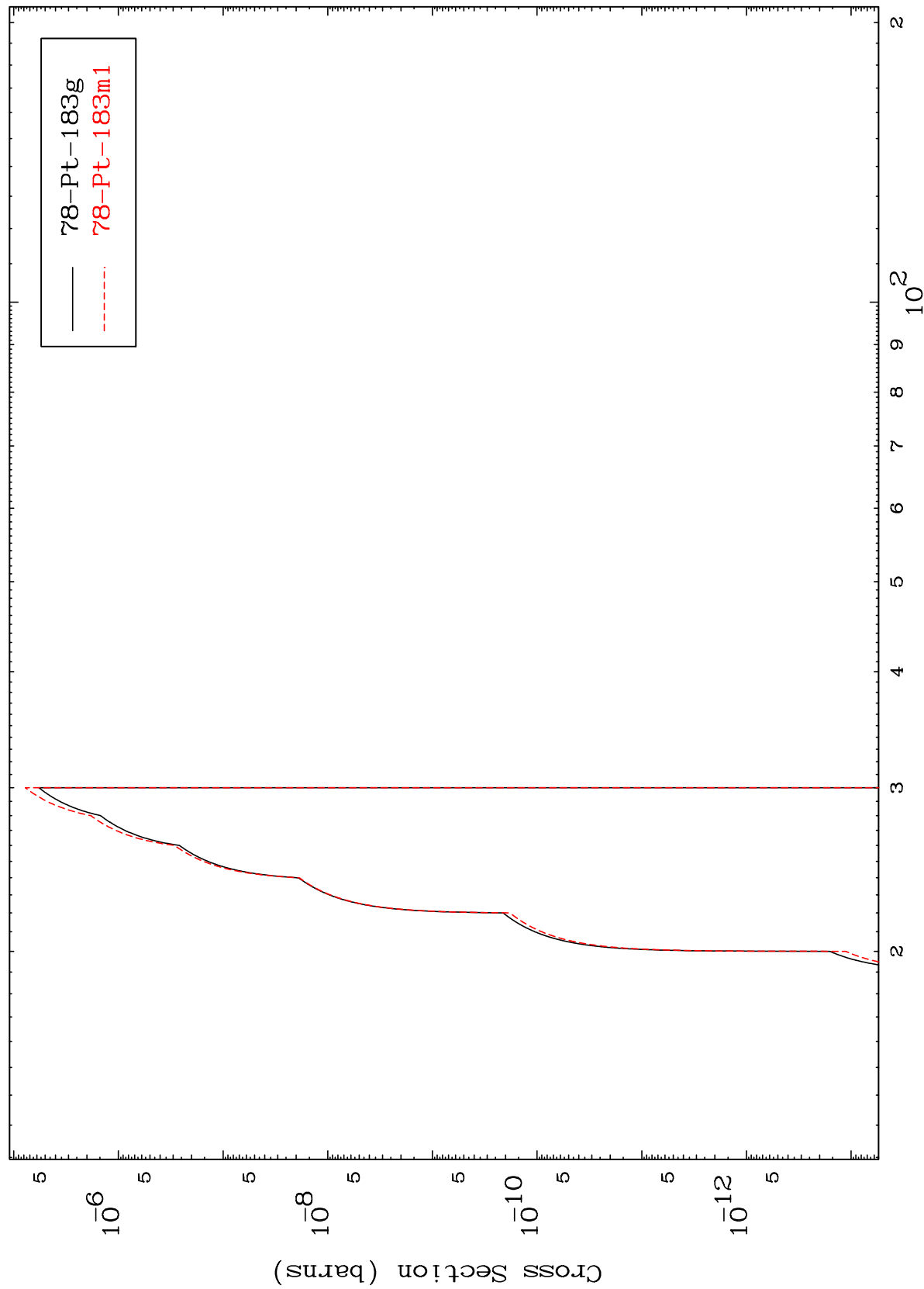
Incident Energy (MeV)

MAT 8004

$(\gamma, 2n) \alpha$

80-Hg-189

Radionuclide Production Cross Section

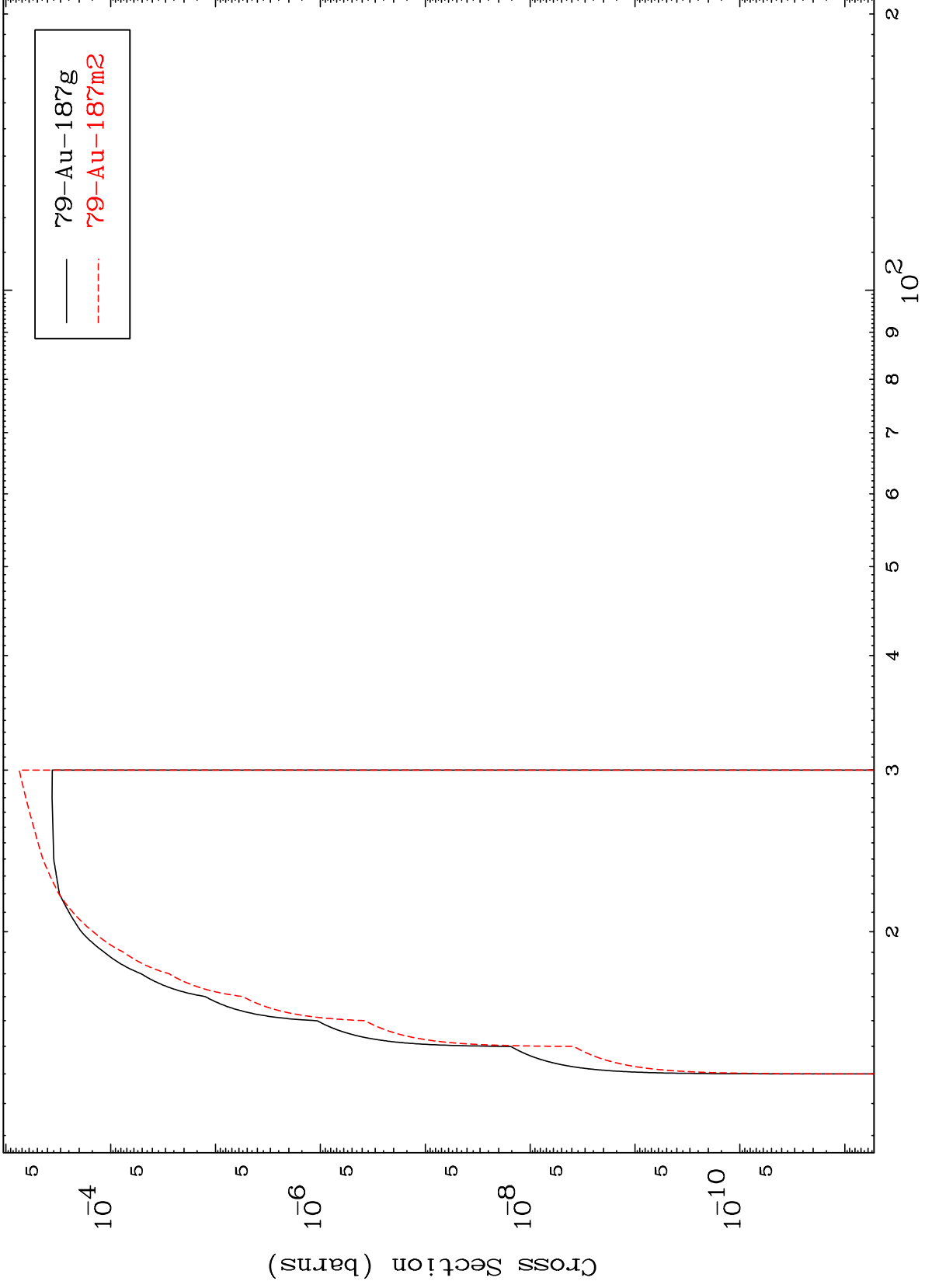


MAT 8004

$(\gamma, n')$  p

80-Hg-189

Radionuclide Production Cross Section



14

Incident Energy (MeV)

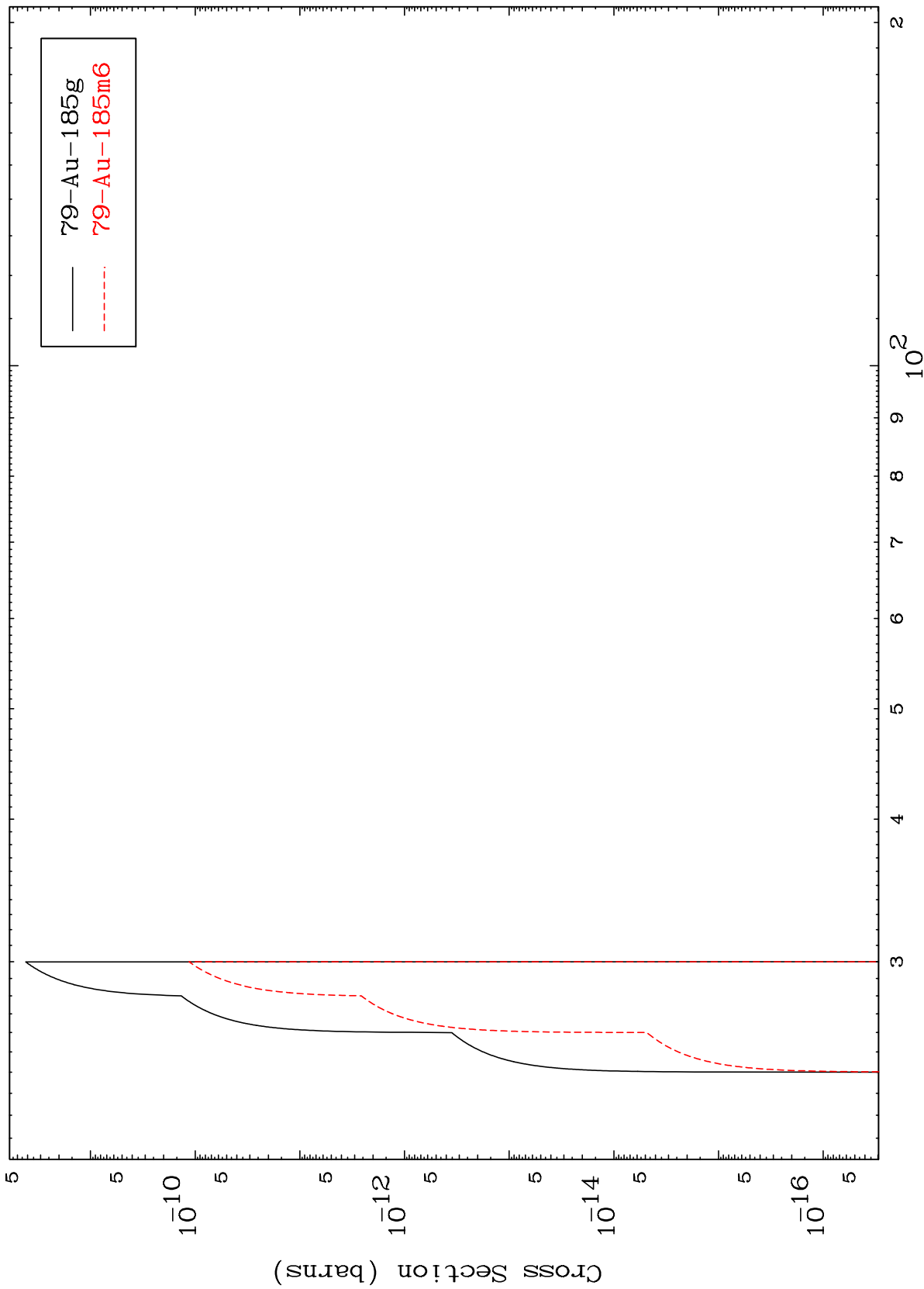
80-Hg-189

MAT 8004

( $\gamma, n'$ ) t

80-Hg-189

Radionuclide Production Cross Section



15

Incident Energy (MeV)

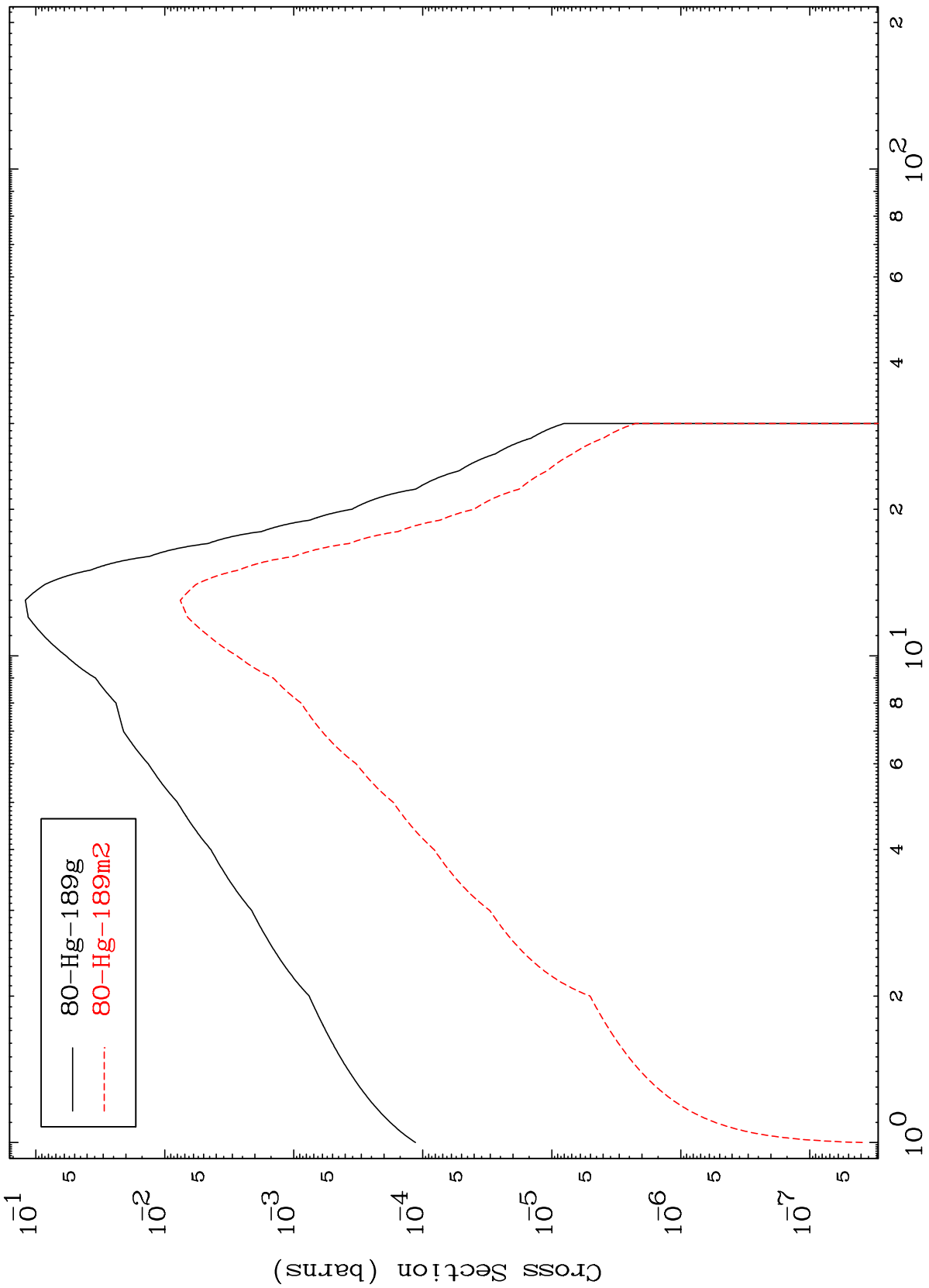
80-Hg-189



MAT 8004

80-Hg-189

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



— 80-Hg-189g  
- - - 80-Hg-189m2

80-Hg-189

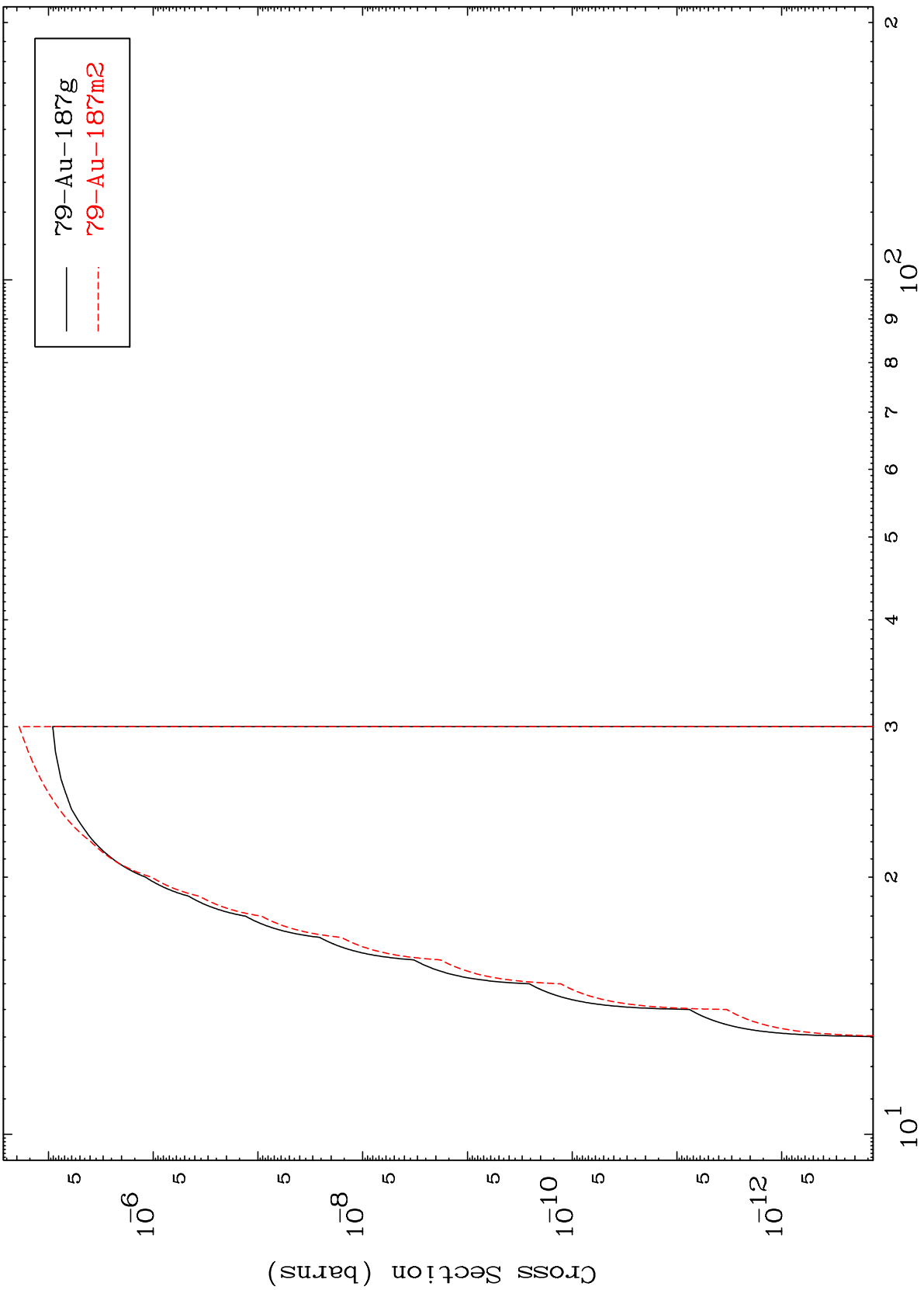
Incident Energy (MeV)

16

MAT 8004

80-Hg-189

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



80-Hg-189

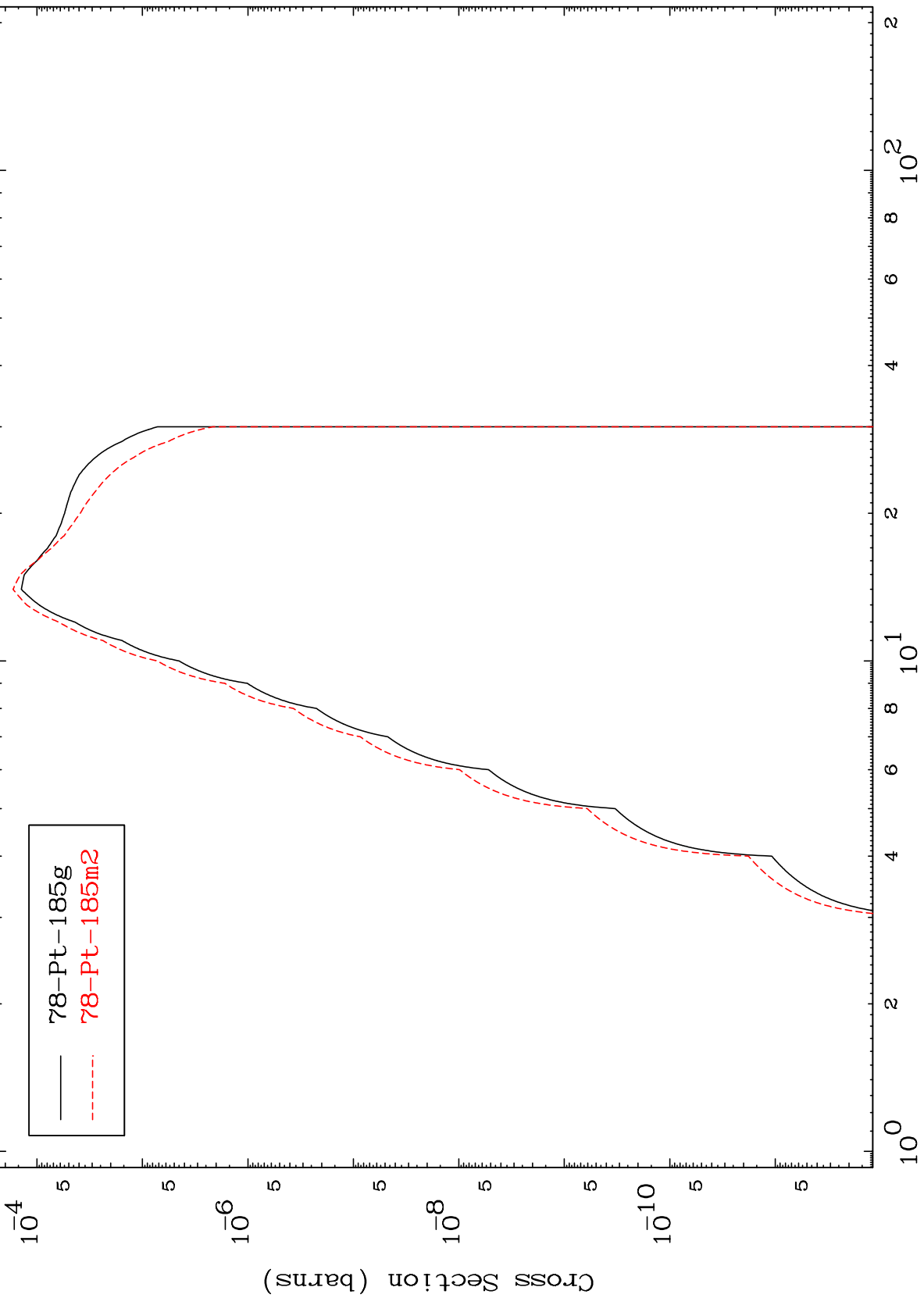
Incident Energy (MeV)

17

MAT 8004

80-Hg-189

Radionuclide Production Cross Section



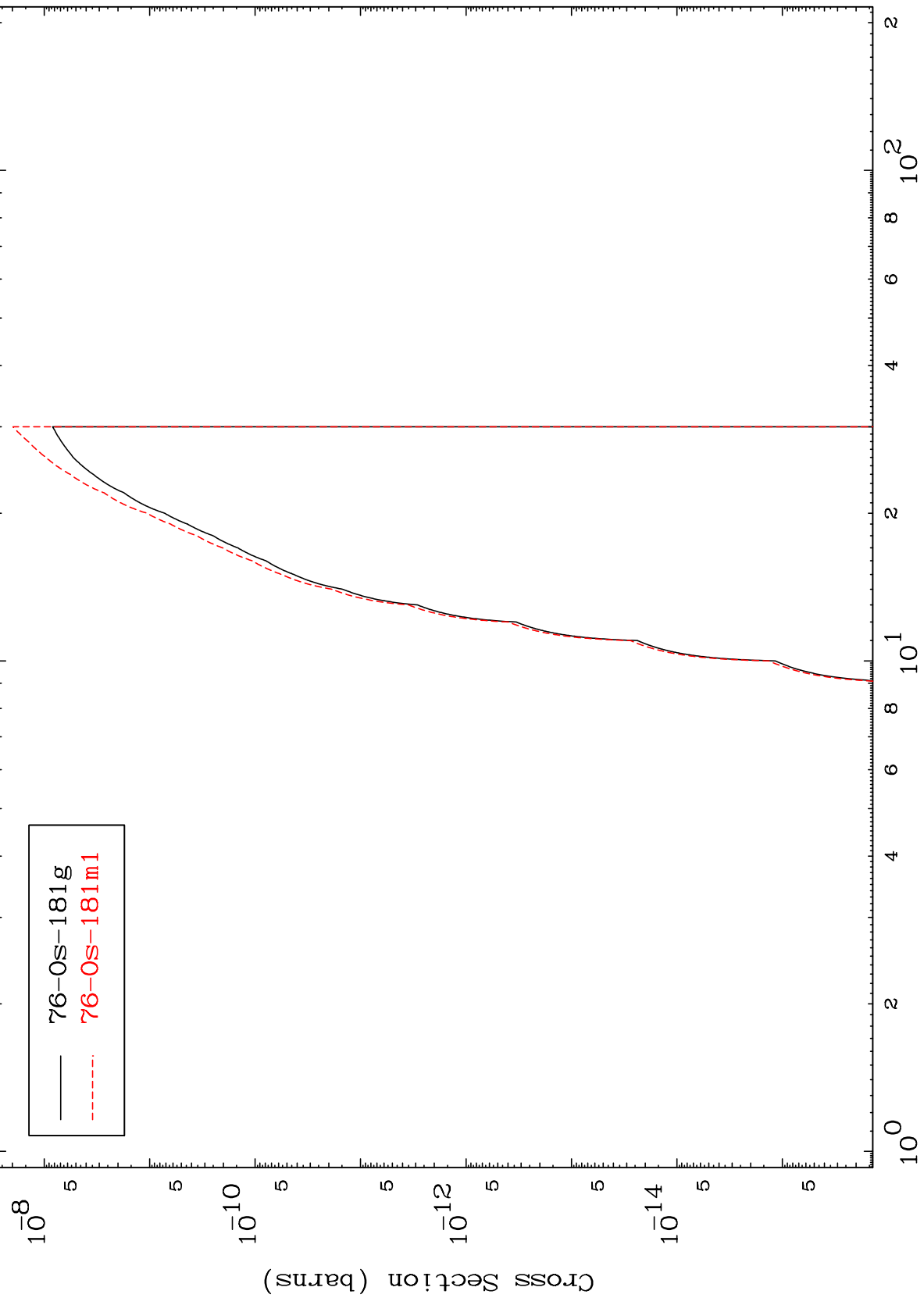
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

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



Incident Energy (MeV)

80-Hg-189

19