

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

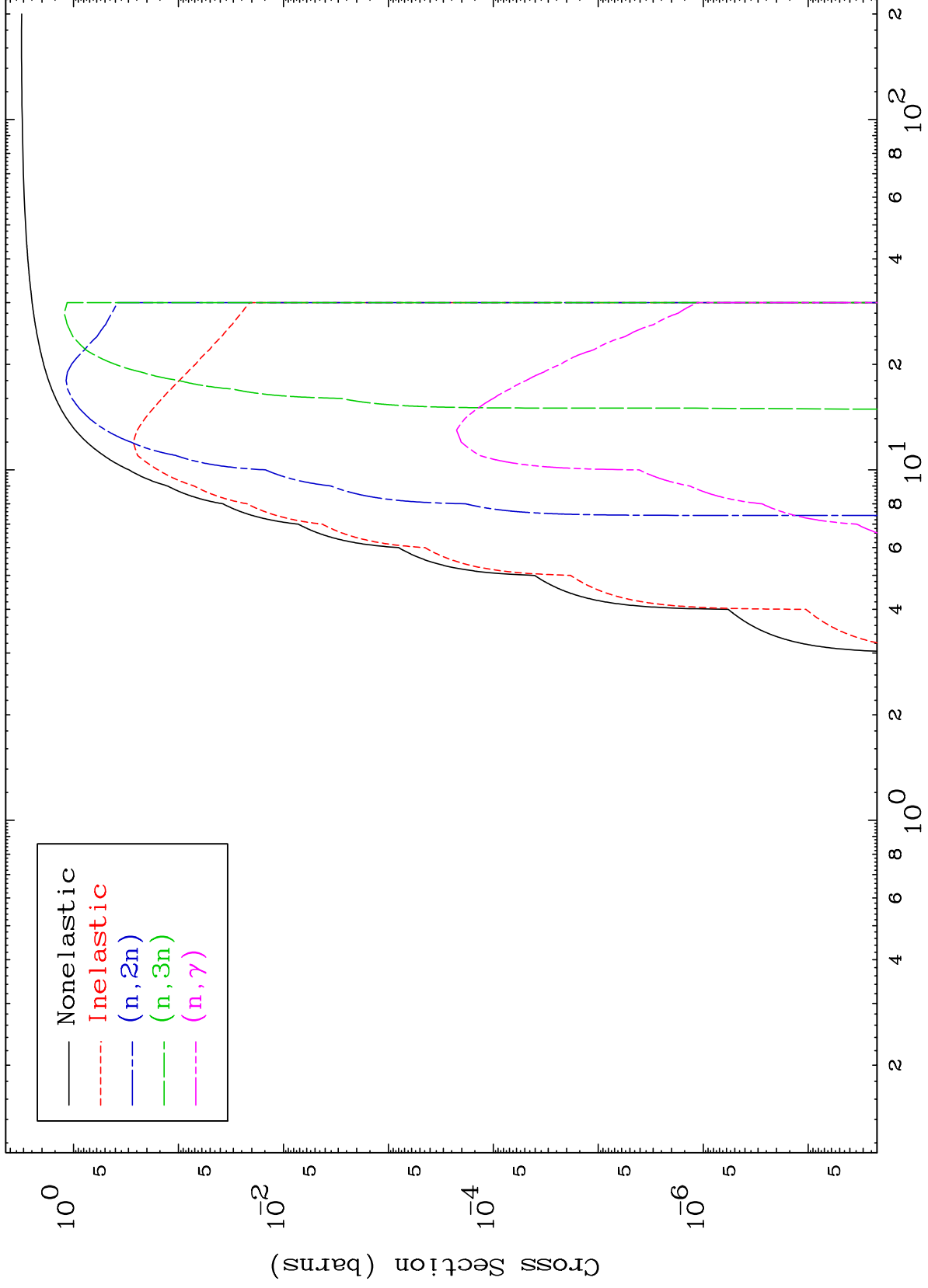
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

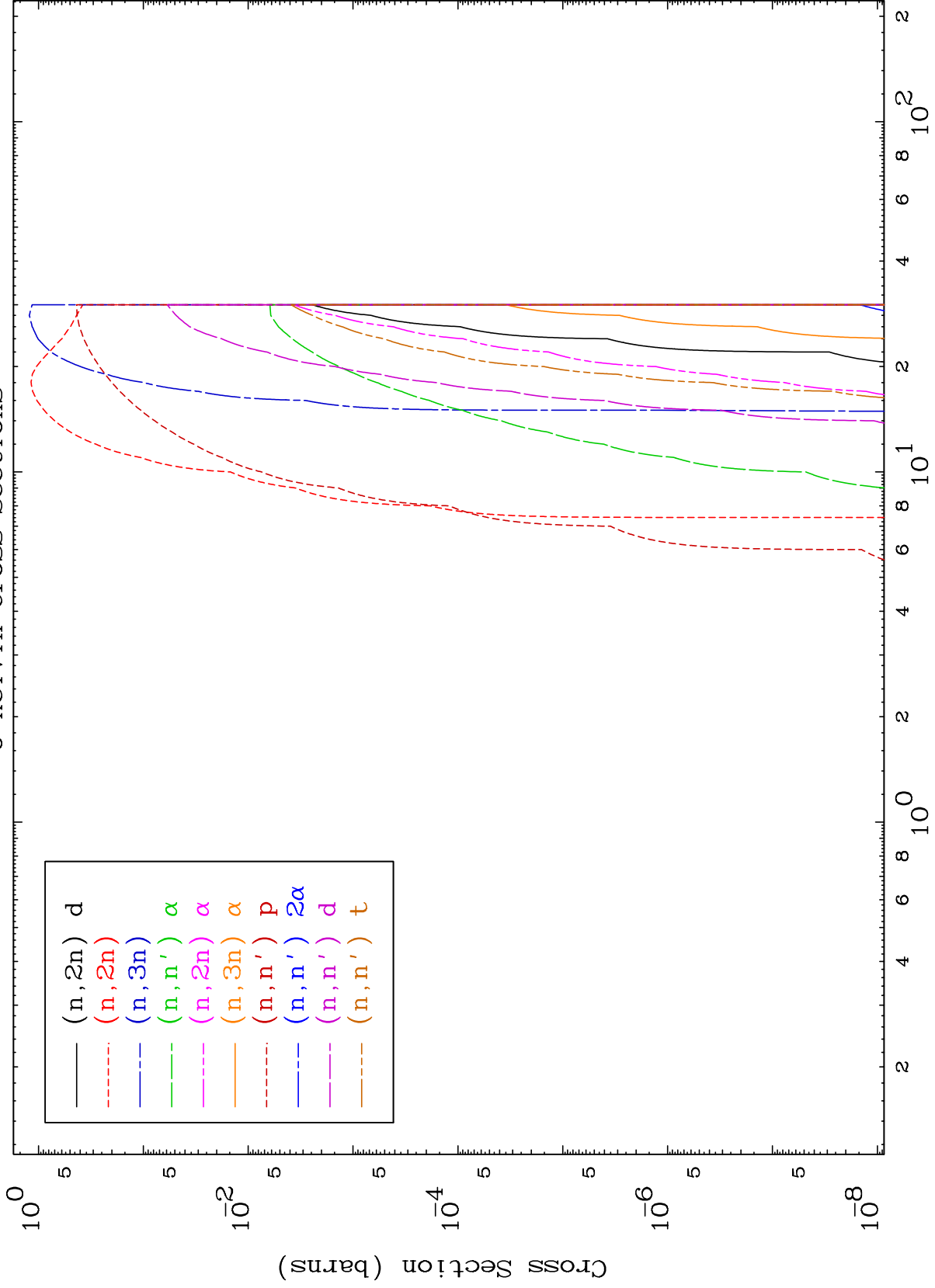
Press Mouse Button to Start



MAT 8025

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

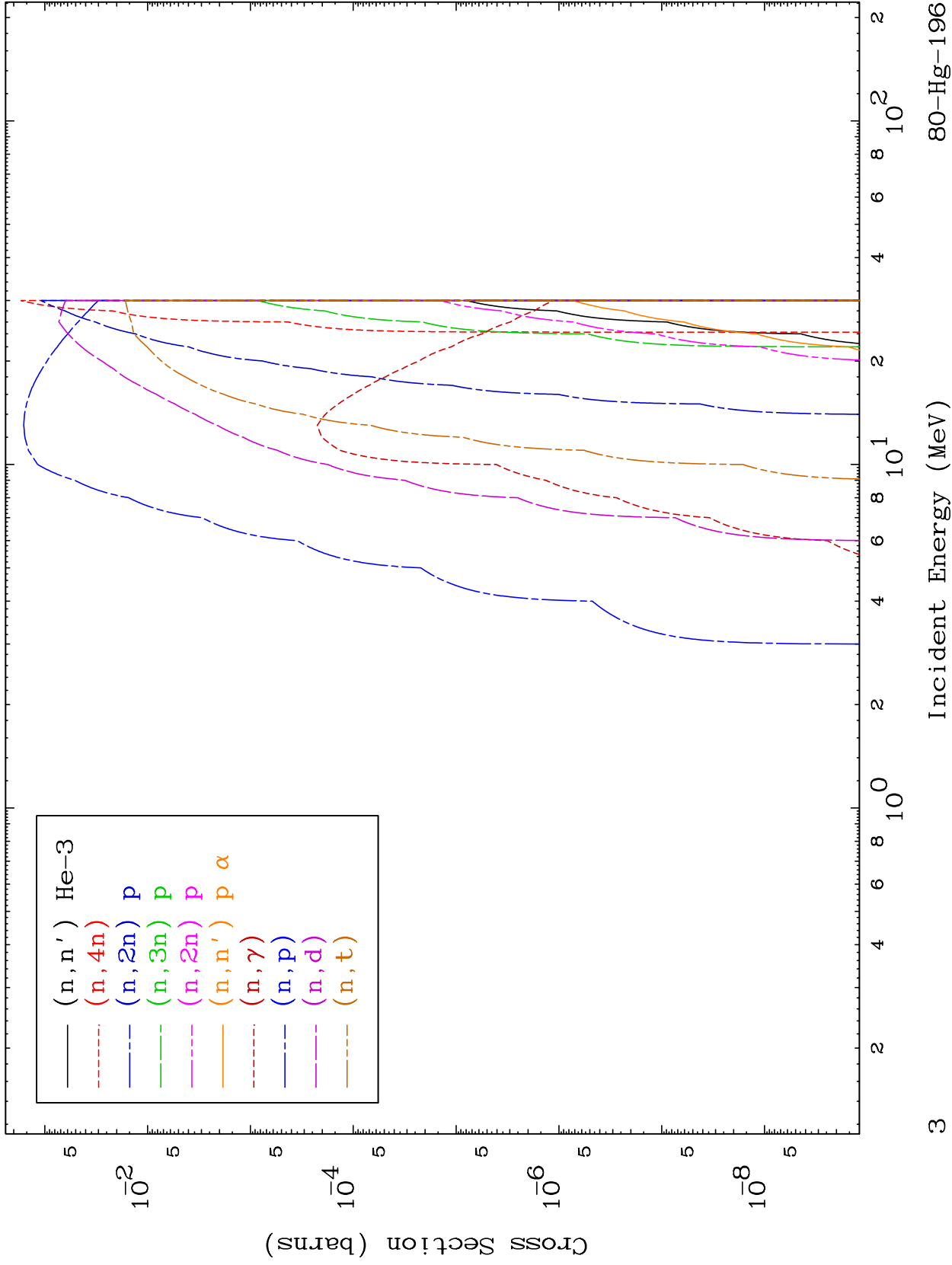
80-Hg-196



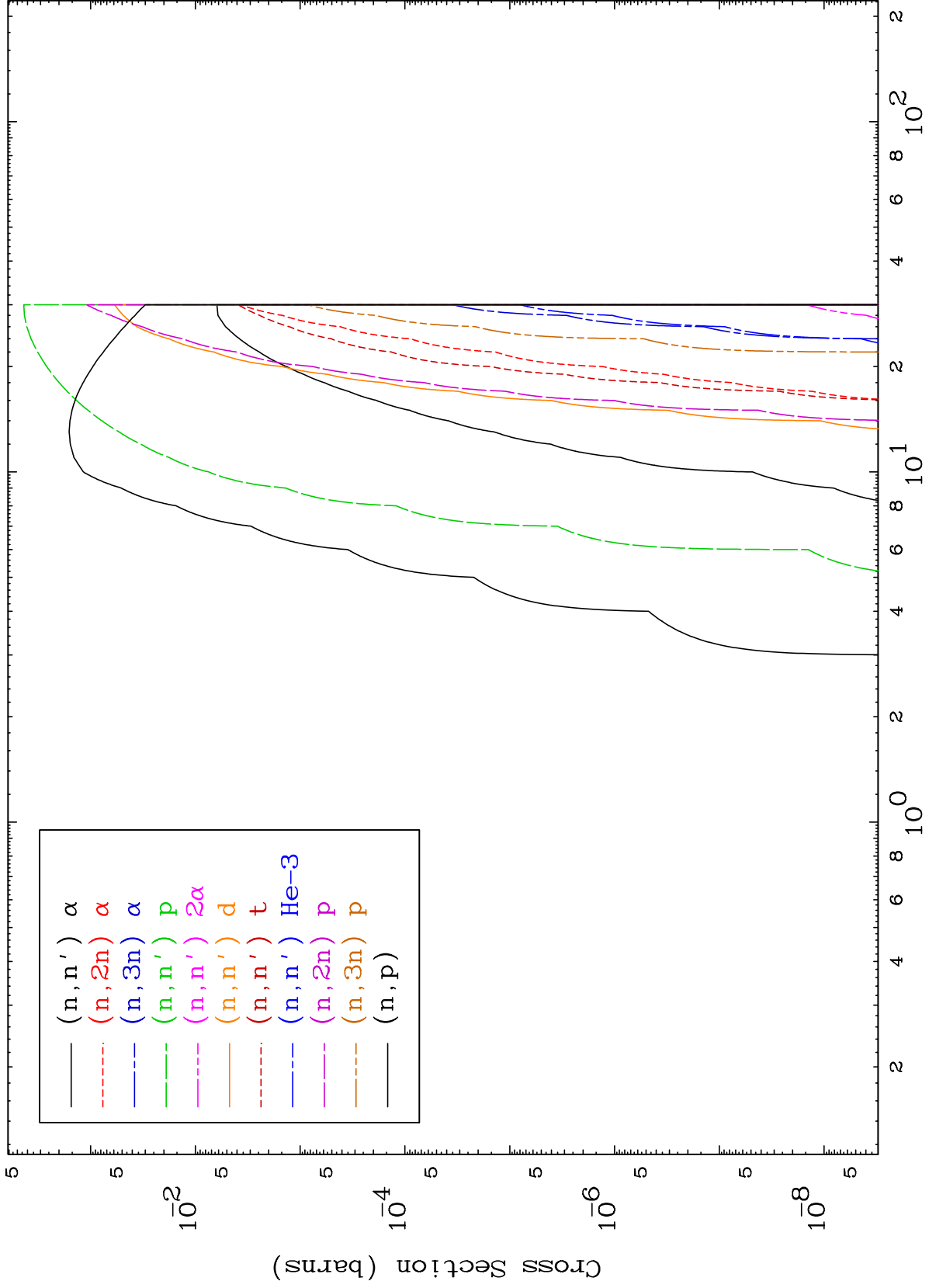
MAT 8025

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

80-Hg-196



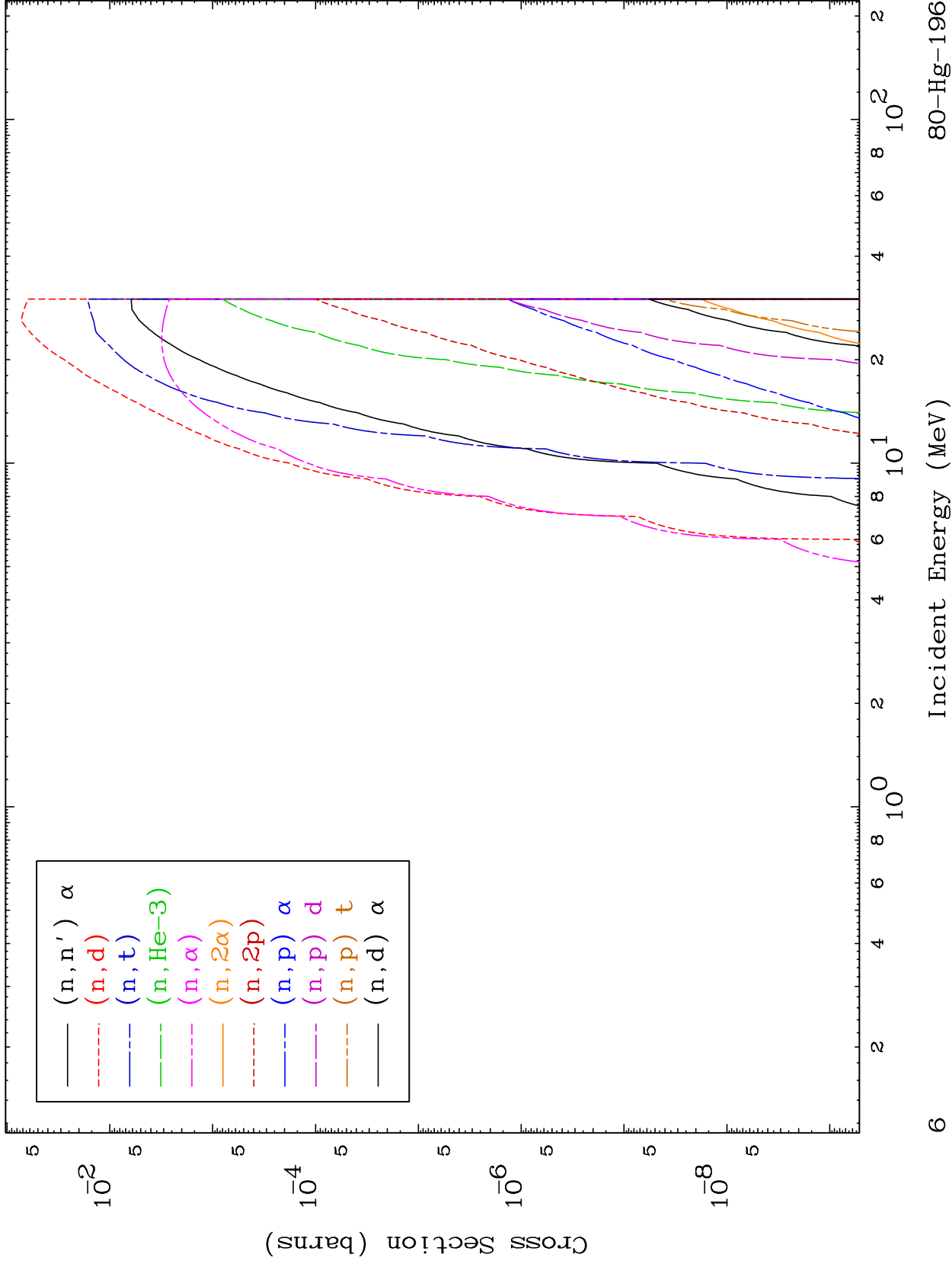




MAT 8025

Deuteron Charged Particle  
0 Kelvin Cross Sections

80-Hg-196

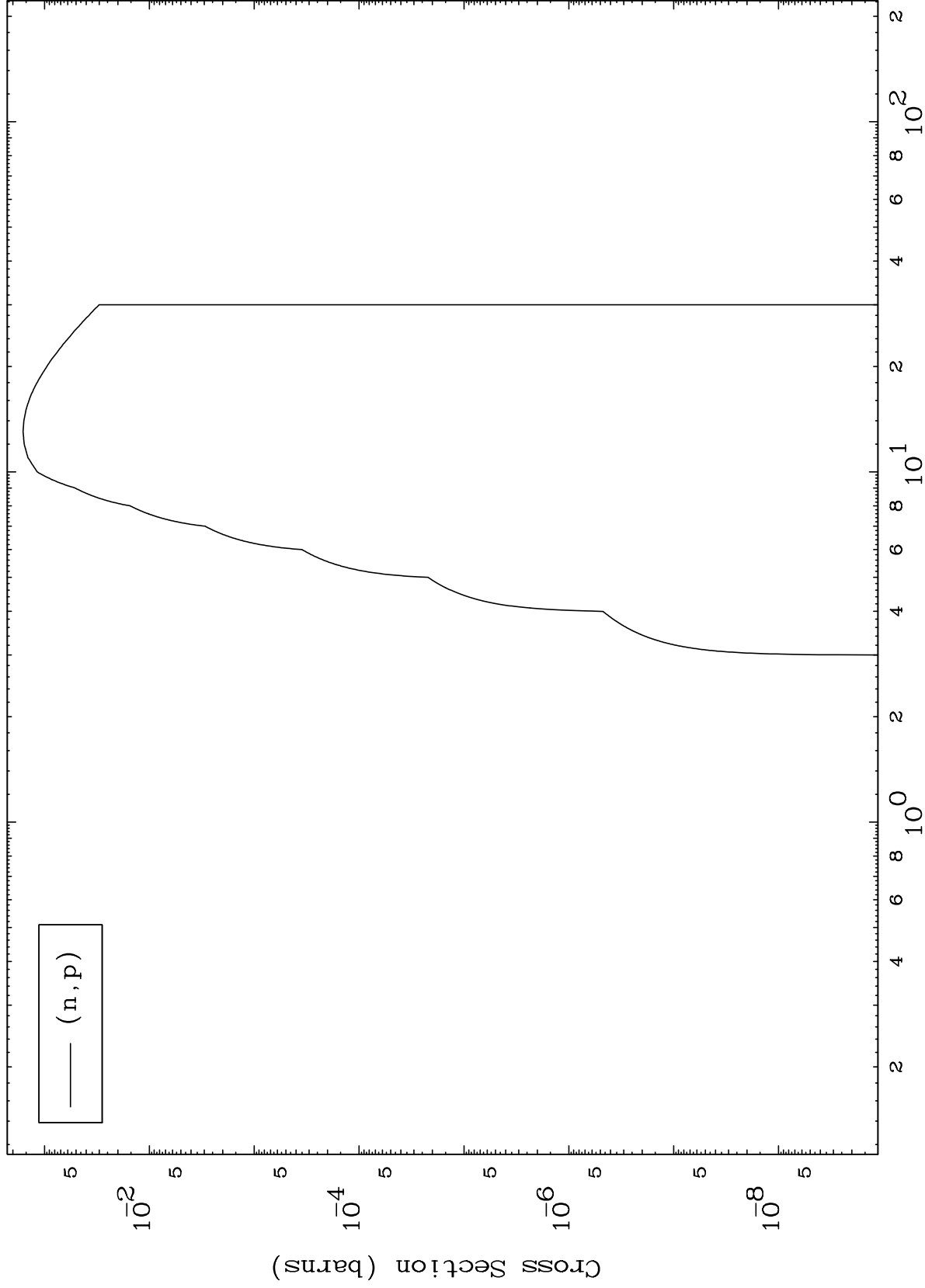


MAT 8025

(d,p) Levels

80-Hg-196

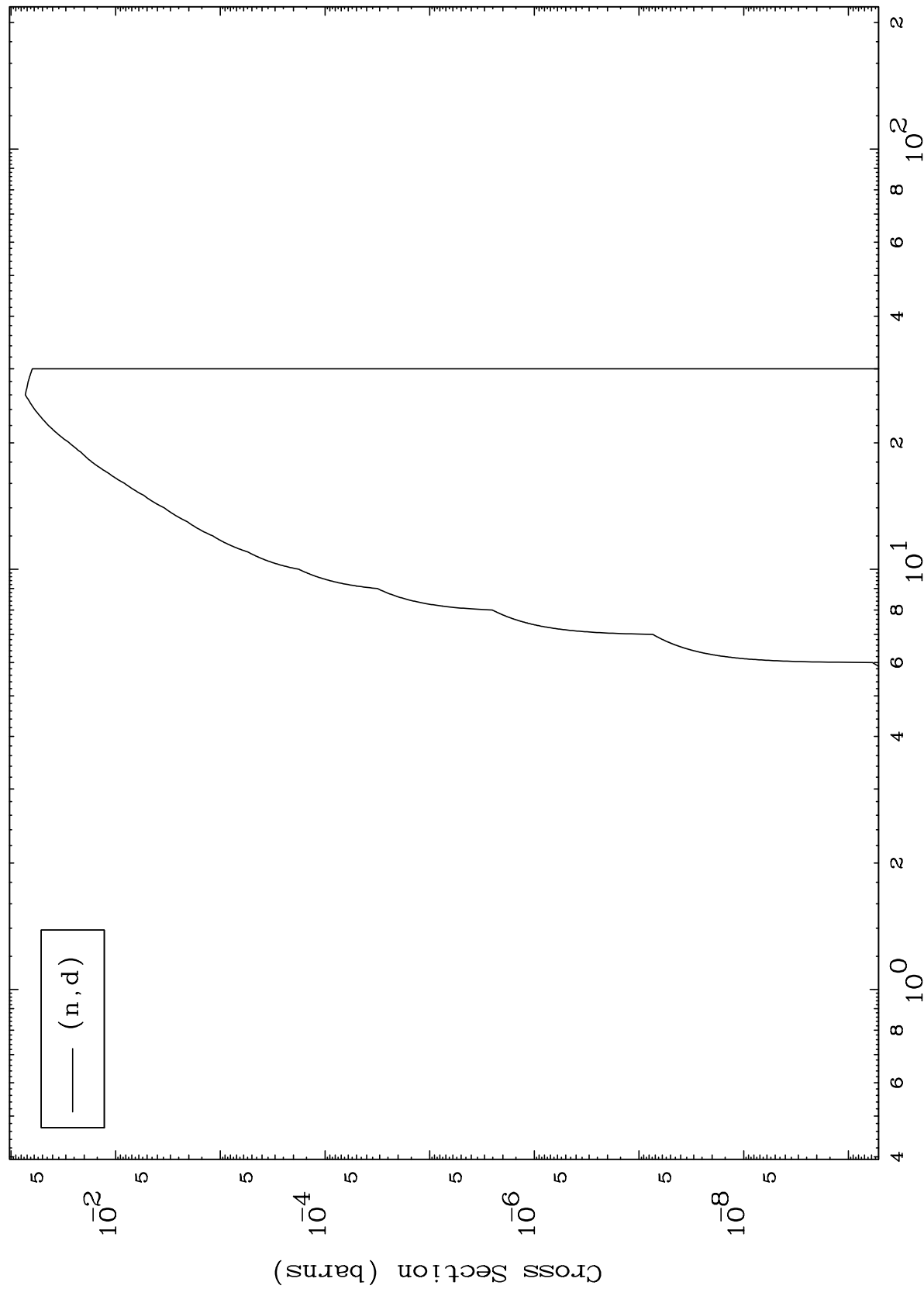
0 Kelvin Cross Sections



MAT 8025

80-Hg-196

(d,d) Levels  
0 Kelvin Cross Sections



8

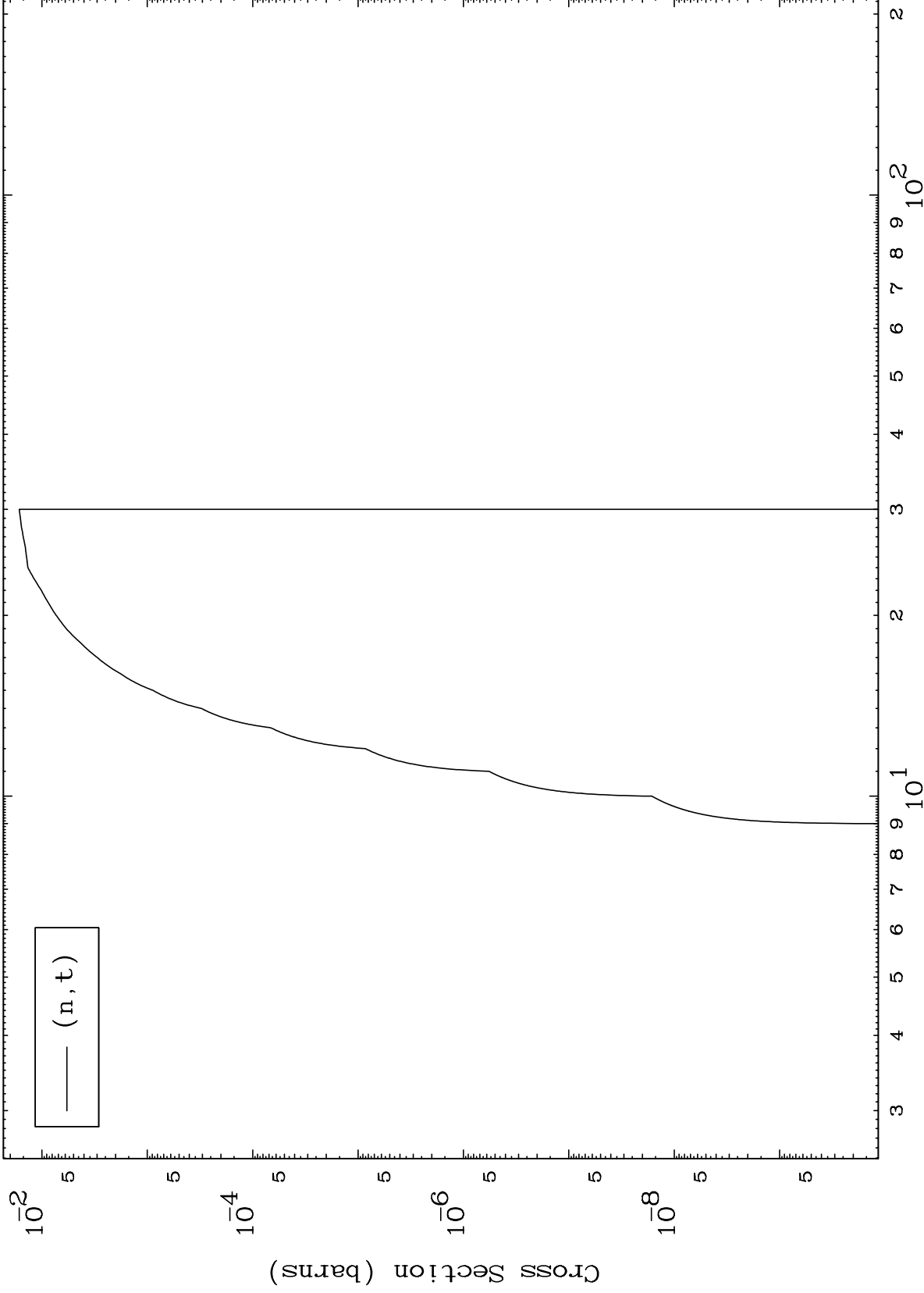
Incident Energy (MeV)

80-Hg-196

MAT 8025

(d, t) Levels  
0 Kelvin Cross Sections

80-Hg-196

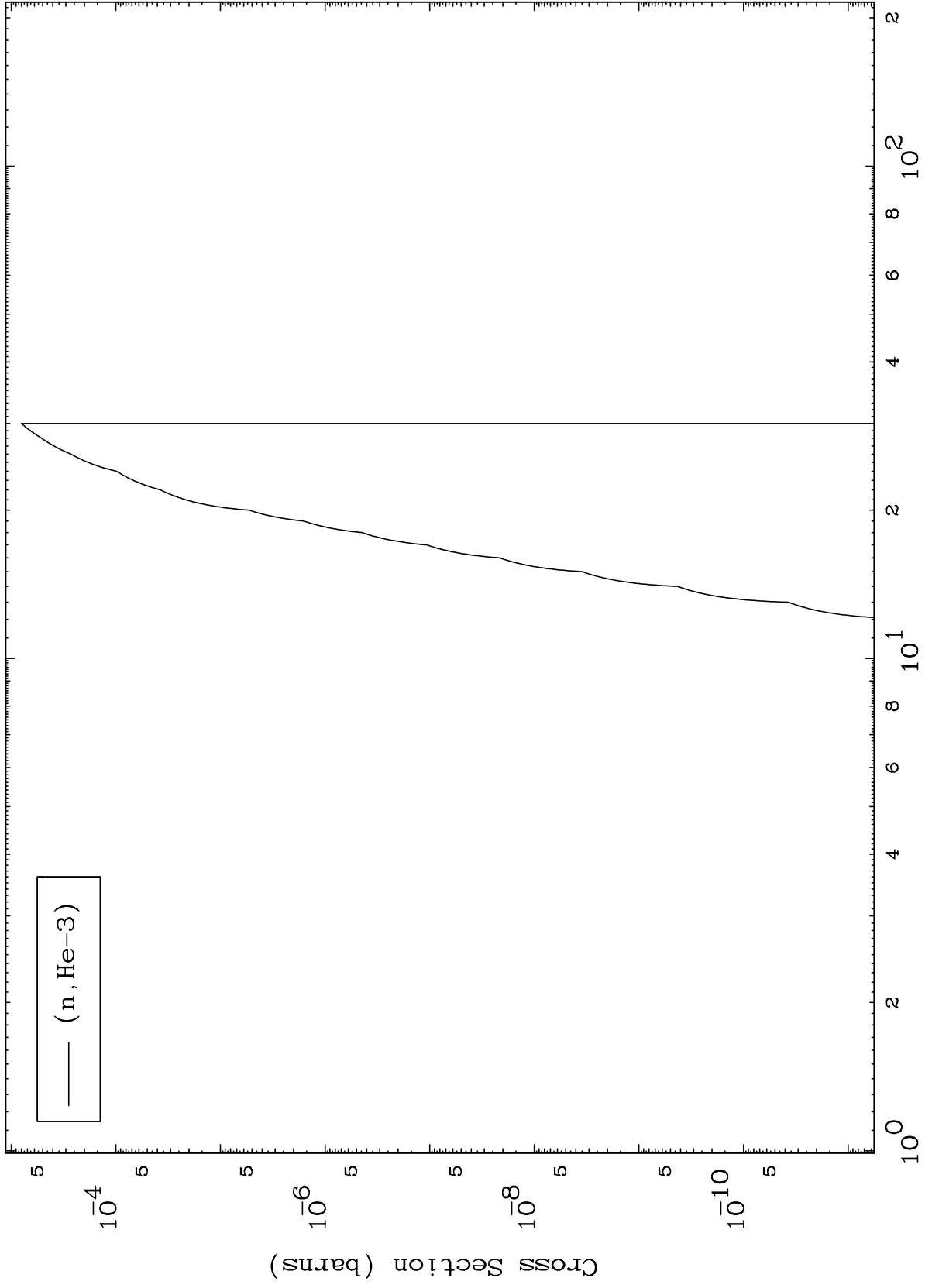


MAT 8025

(d,He3) Levels

80-Hg-196

0 Kelvin Cross Sections



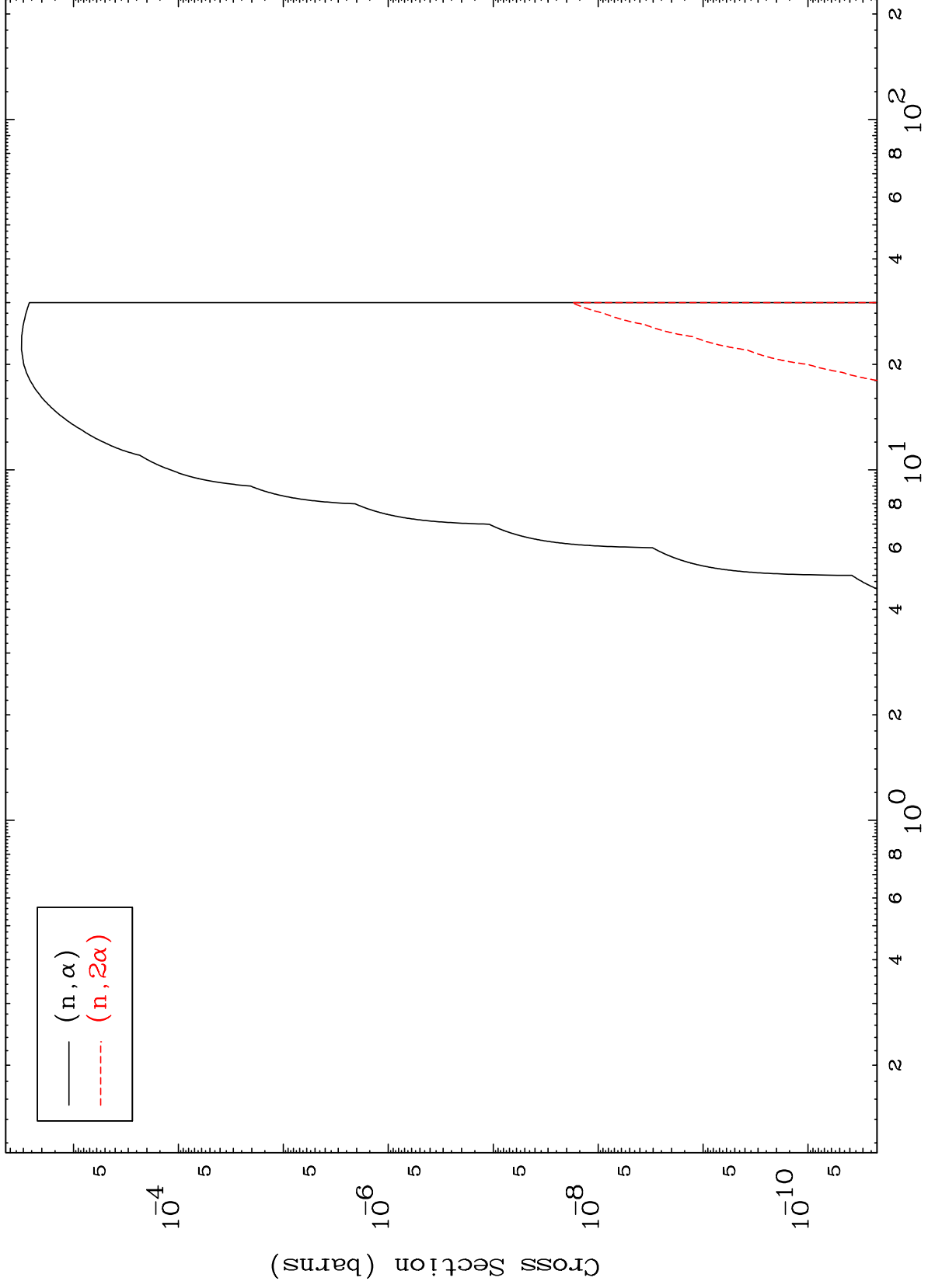
Incident Energy (MeV)

80-Hg-196

MAT 8025

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

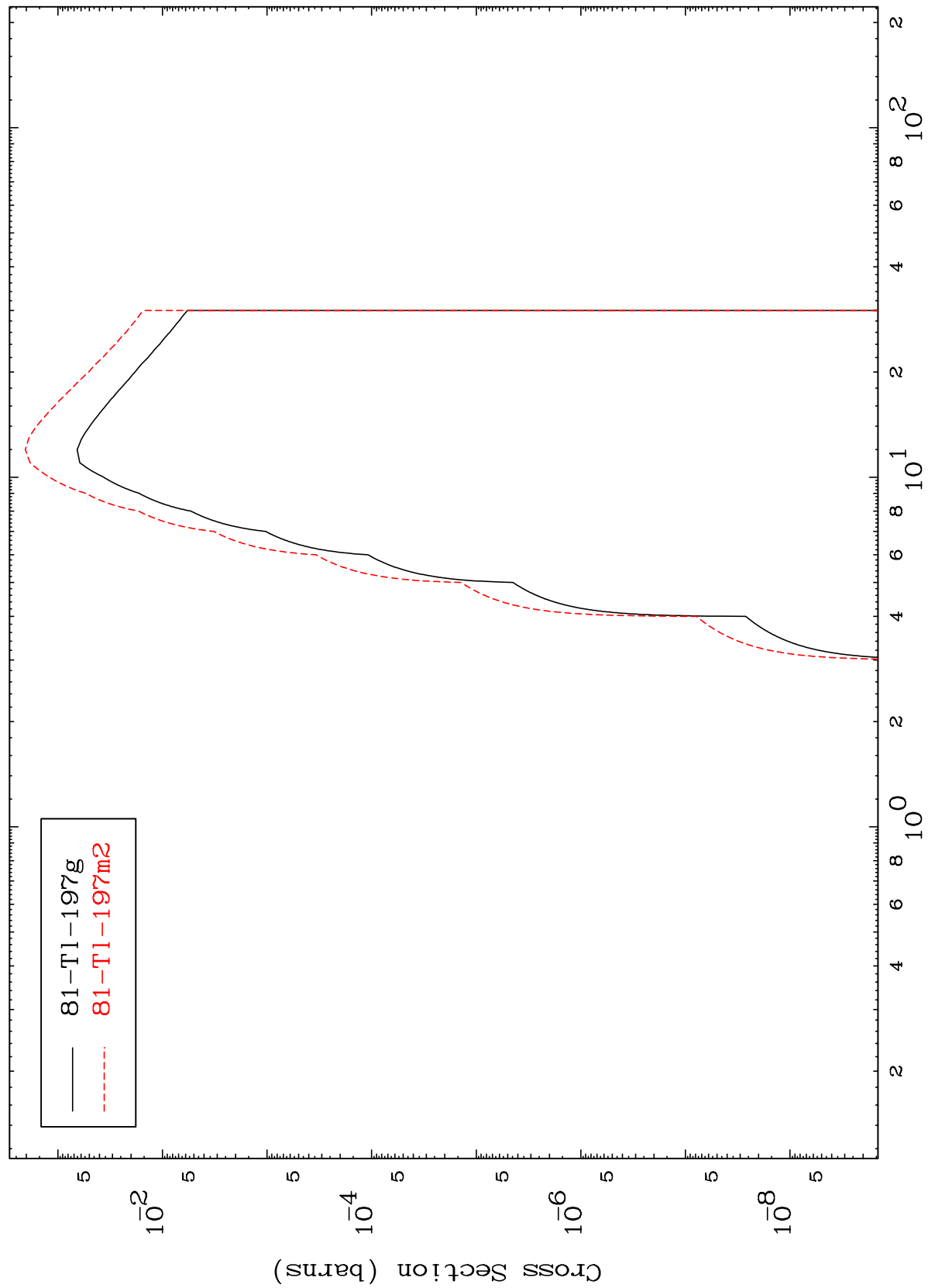
80-Hg-196



MAT 8025

80-Hg-196

Inelastic  
Radionuclide Production Cross Section



80-Hg-196

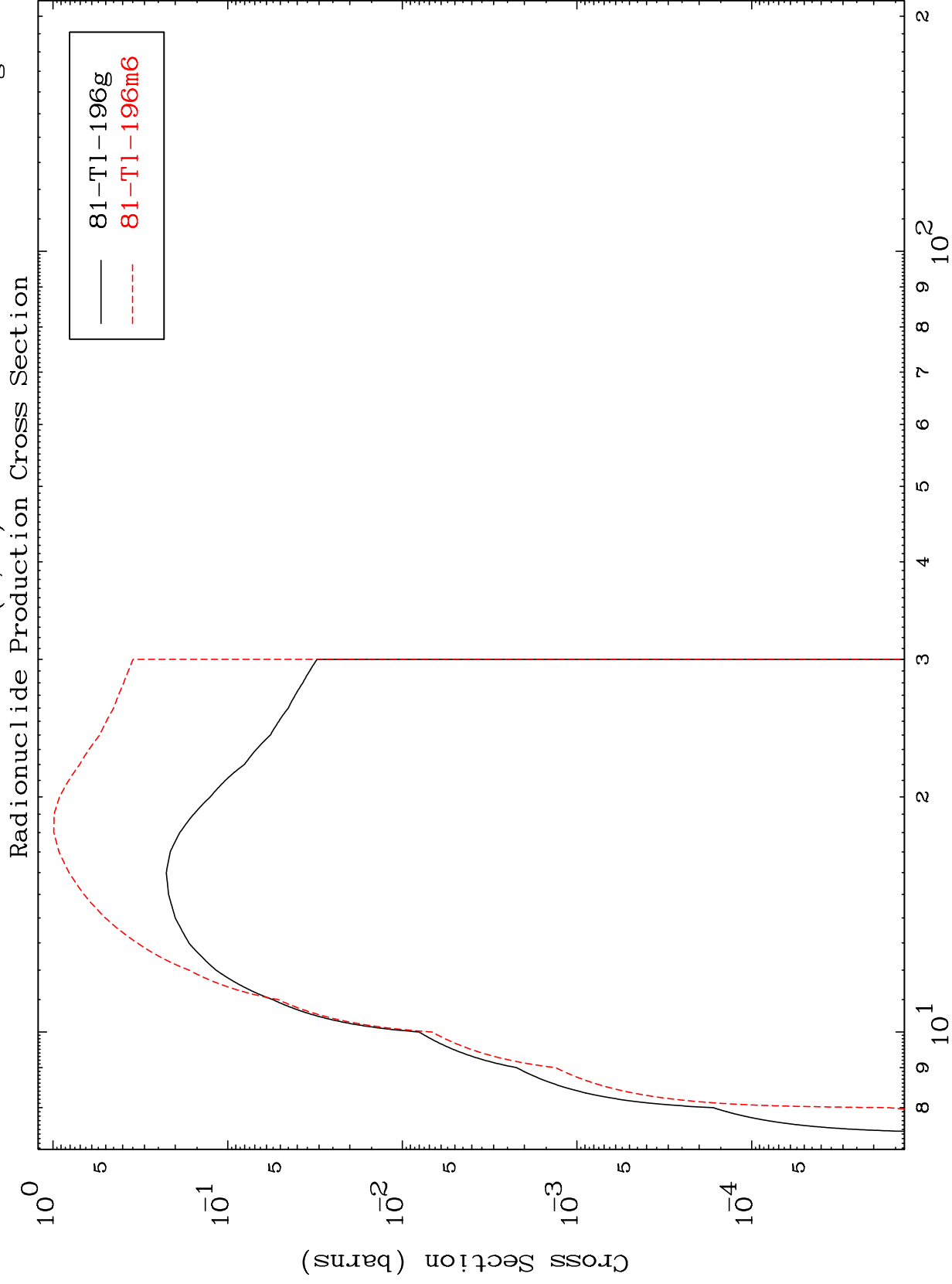
Incident Energy (MeV)

12

MAT 8025

(n,2n)

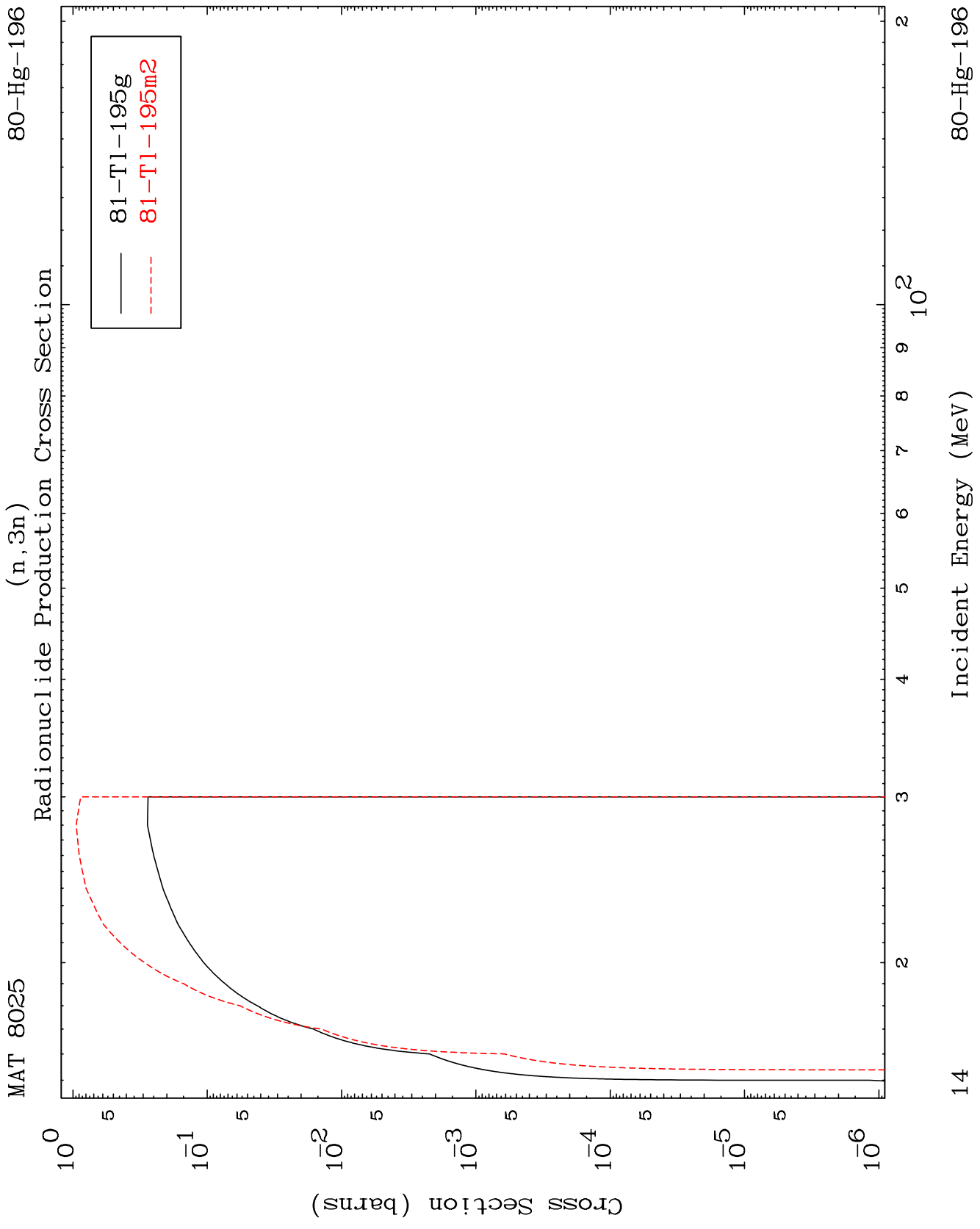
80-Hg-196



13

Incident Energy (MeV)

80-Hg-196

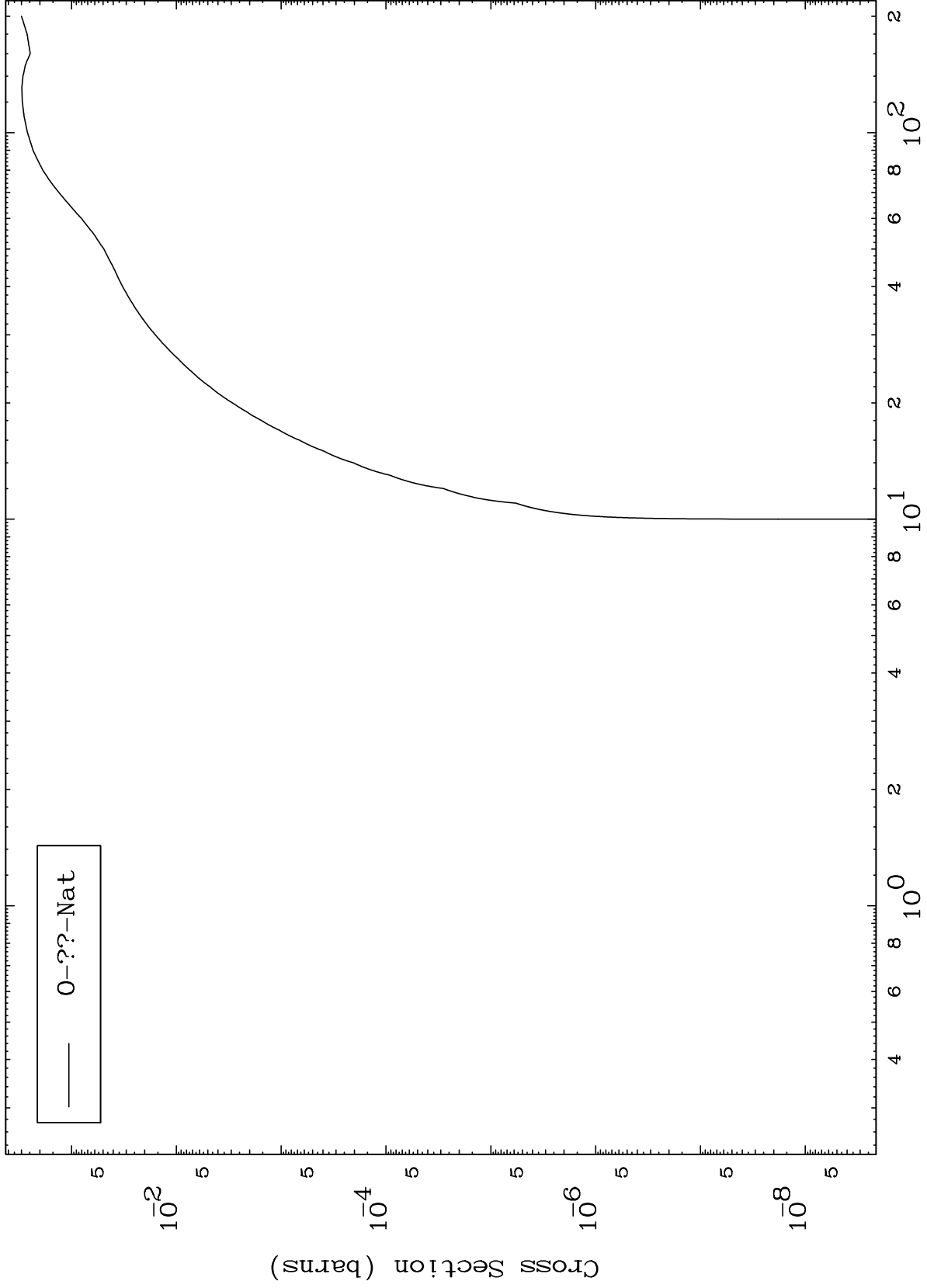


MAT 8025

Fission

80-Hg-196

Radionuclide Production Cross Section



15

Incident Energy (MeV)

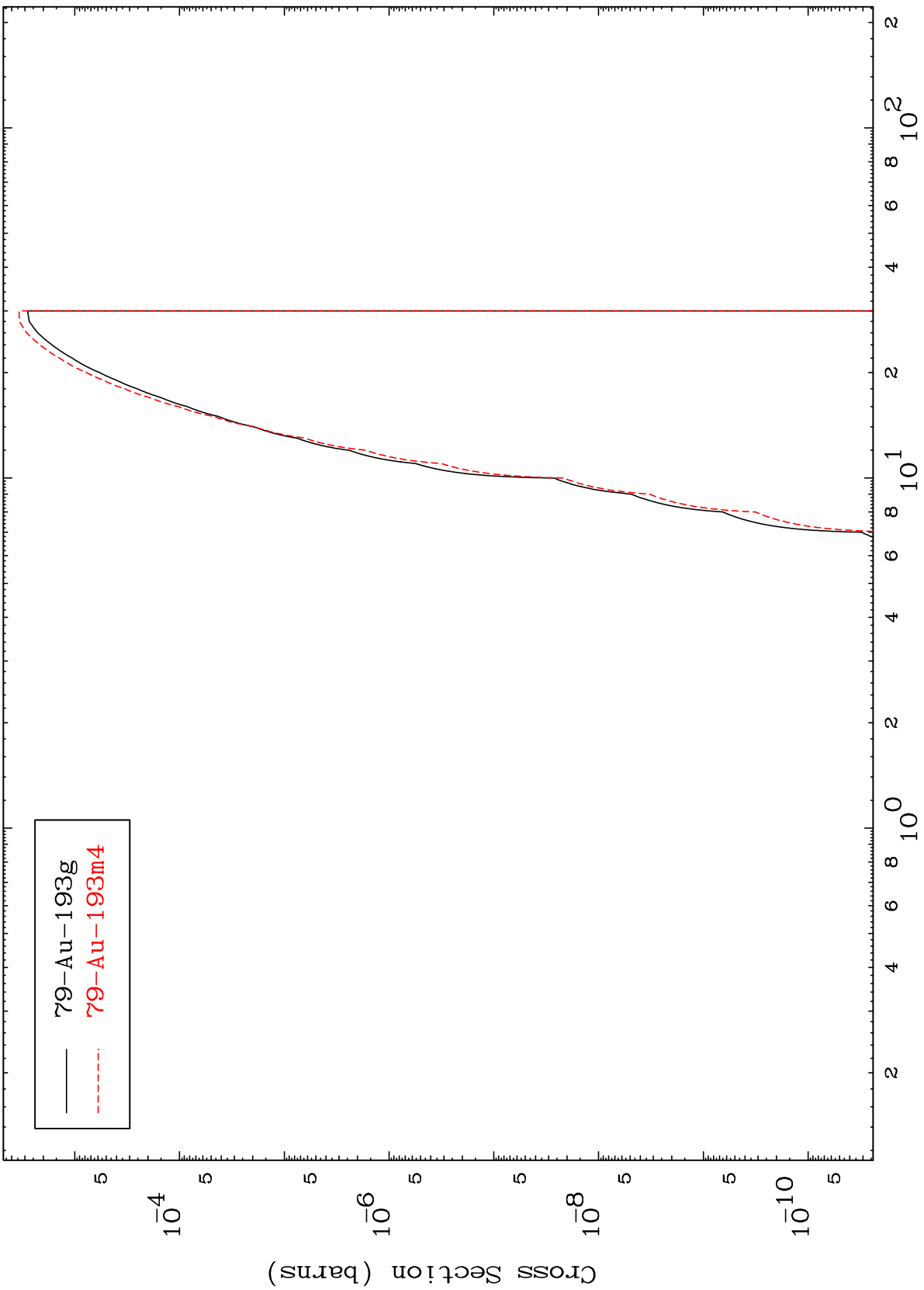
80-Hg-196

MAT 8025

$(n, n') \alpha$

80-Hg-196

Radionuclide Production Cross Section

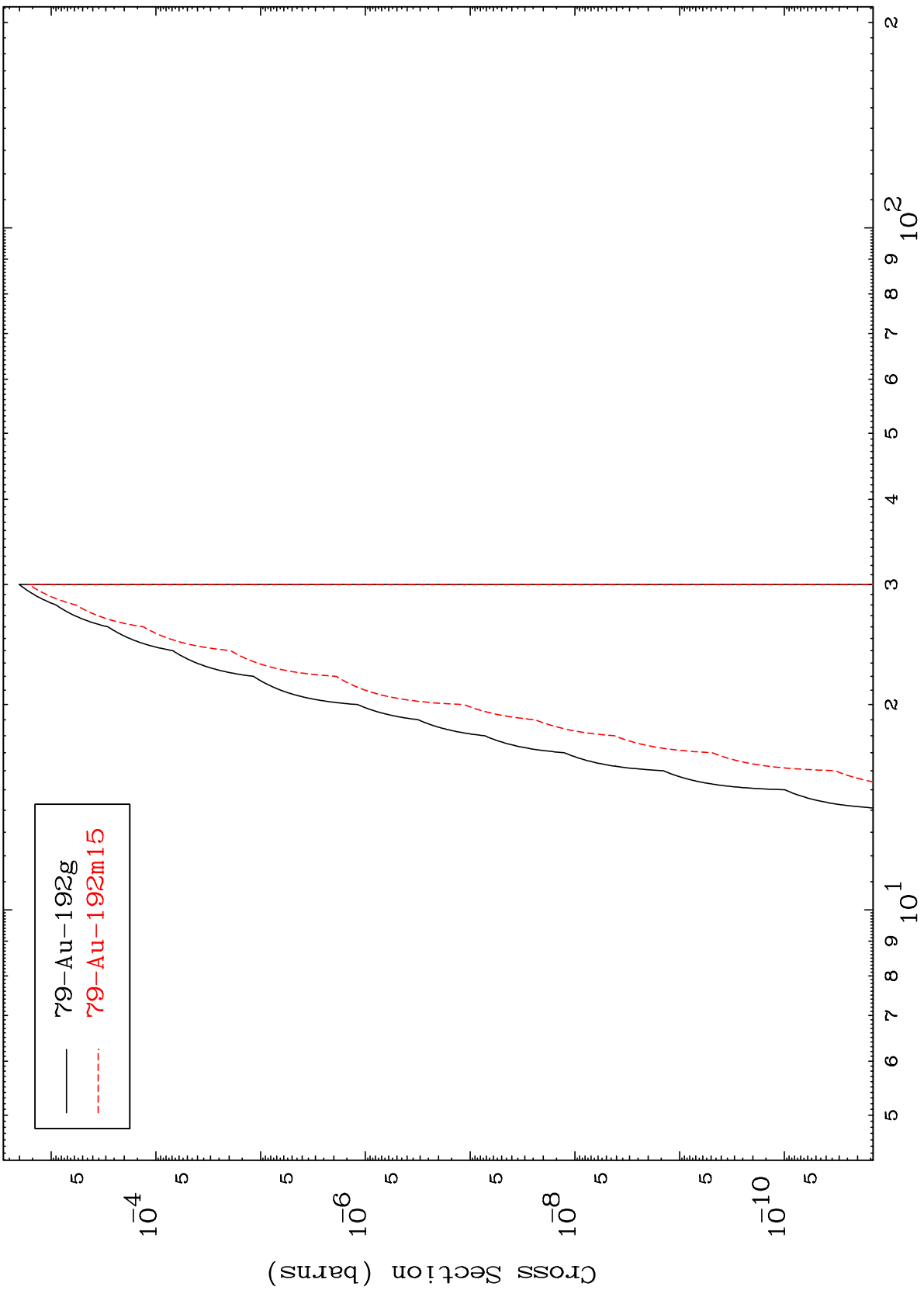


MAT 8025

$(n, 2n) \alpha$

80-Hg-196

Radionuclide Production Cross Section



17

Incident Energy (MeV)

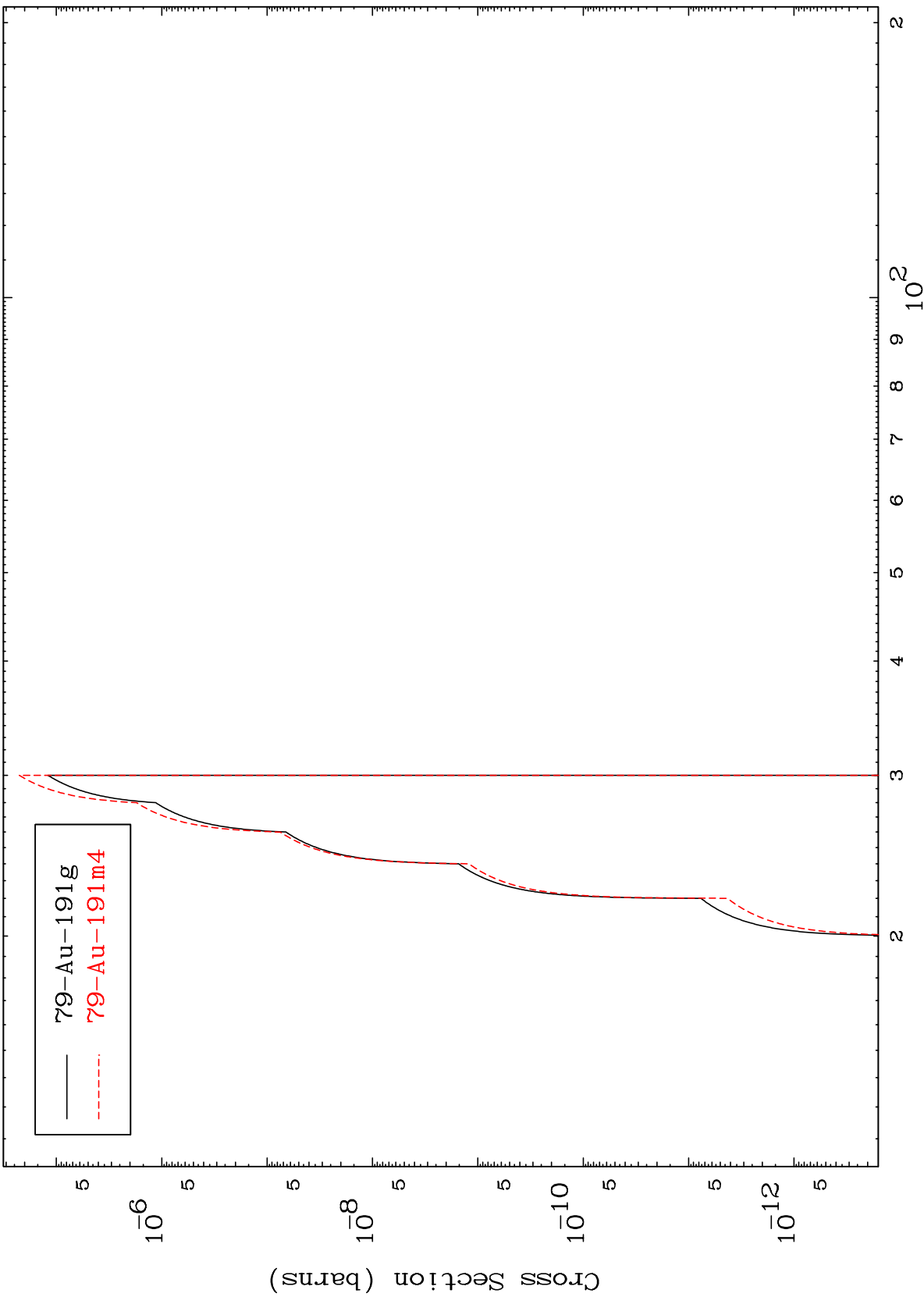
80-Hg-196

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(n,3n)  $\alpha$

80-Hg-196

Radionuclide Production Cross Section



18

Incident Energy (MeV)

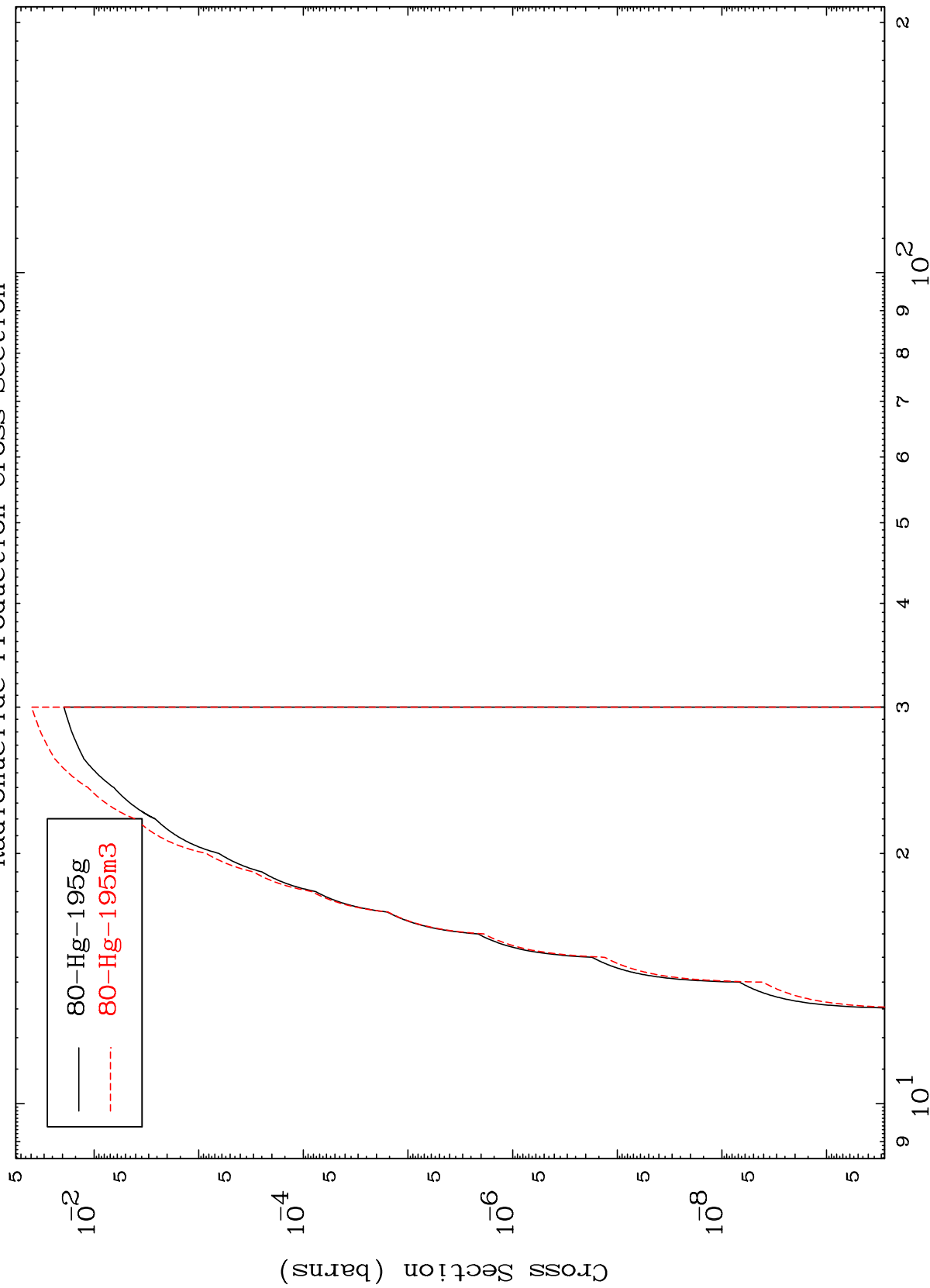
80-Hg-196

MAT 8025

(n,n') d

80-Hg-196

Radionuclide Production Cross Section



80-Hg-195g  
80-Hg-195m3

Incident Energy (MeV)

80-Hg-196

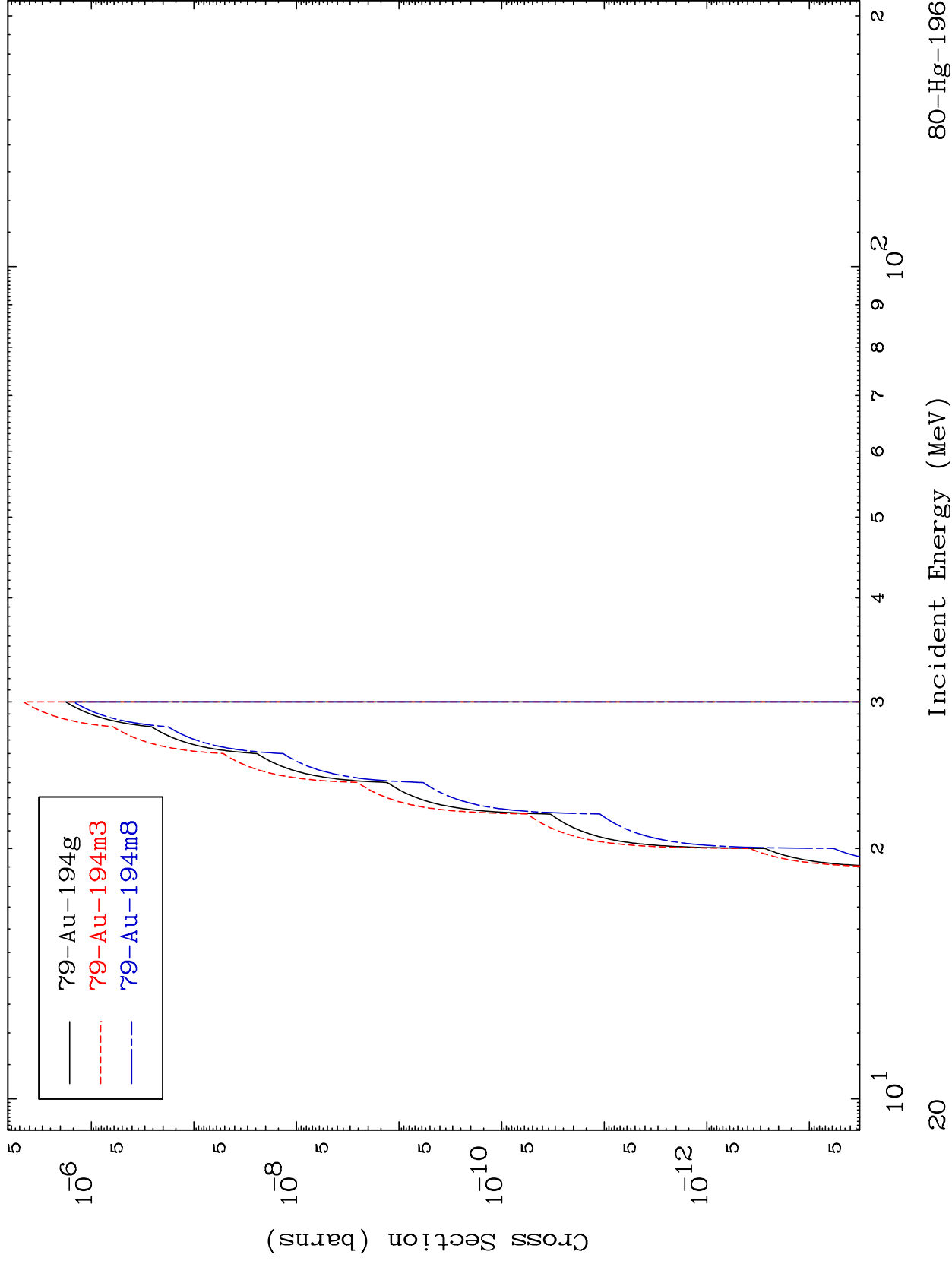
19

MAT 8025

(n,n') He-3

80-Hg-196

Radionuclide Production Cross Section

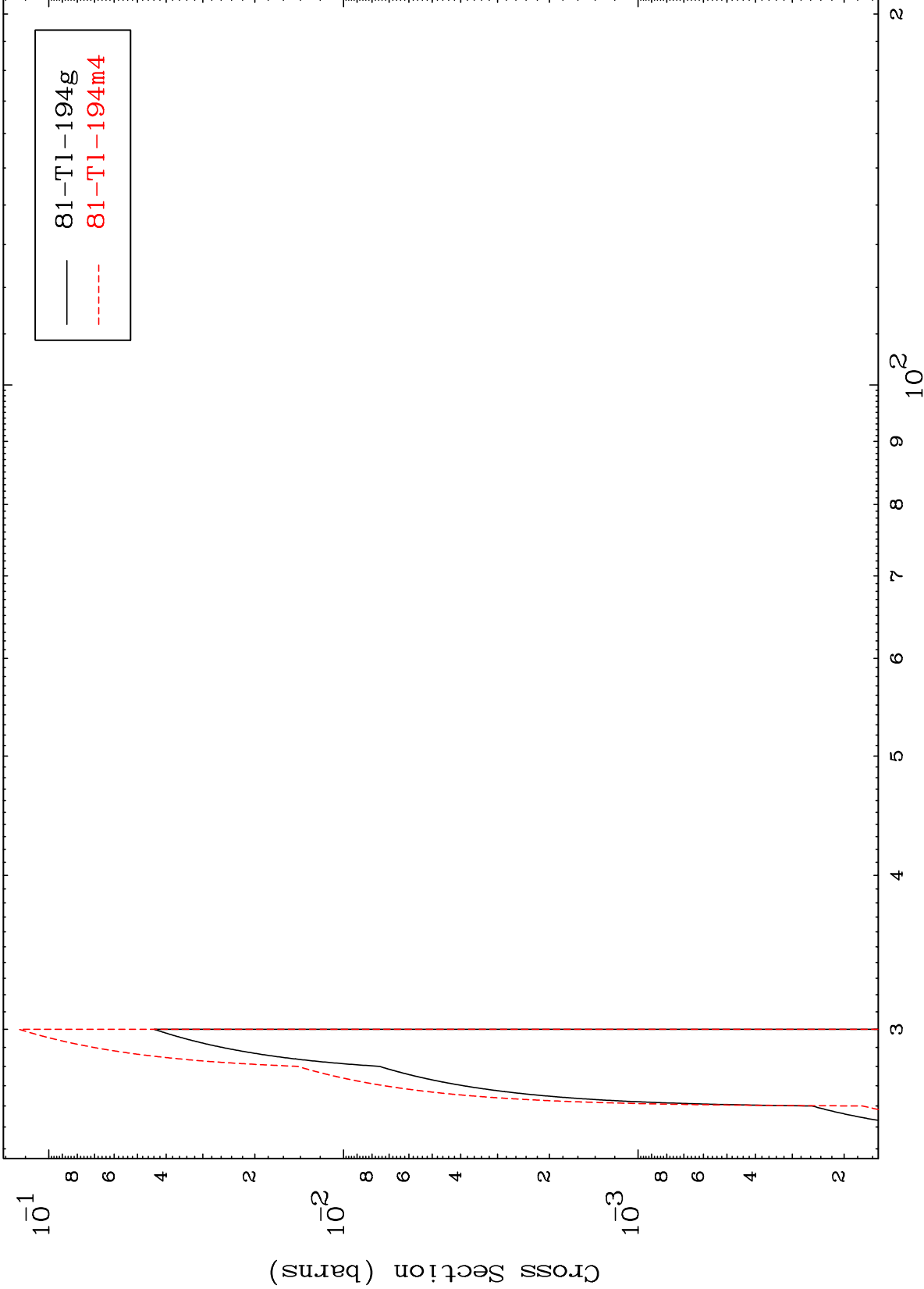


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(n,4n)

80-Hg-196

Radionuclide Production Cross Section



81-Tl-194g  
81-Tl-194m4

21

Incident Energy (MeV)

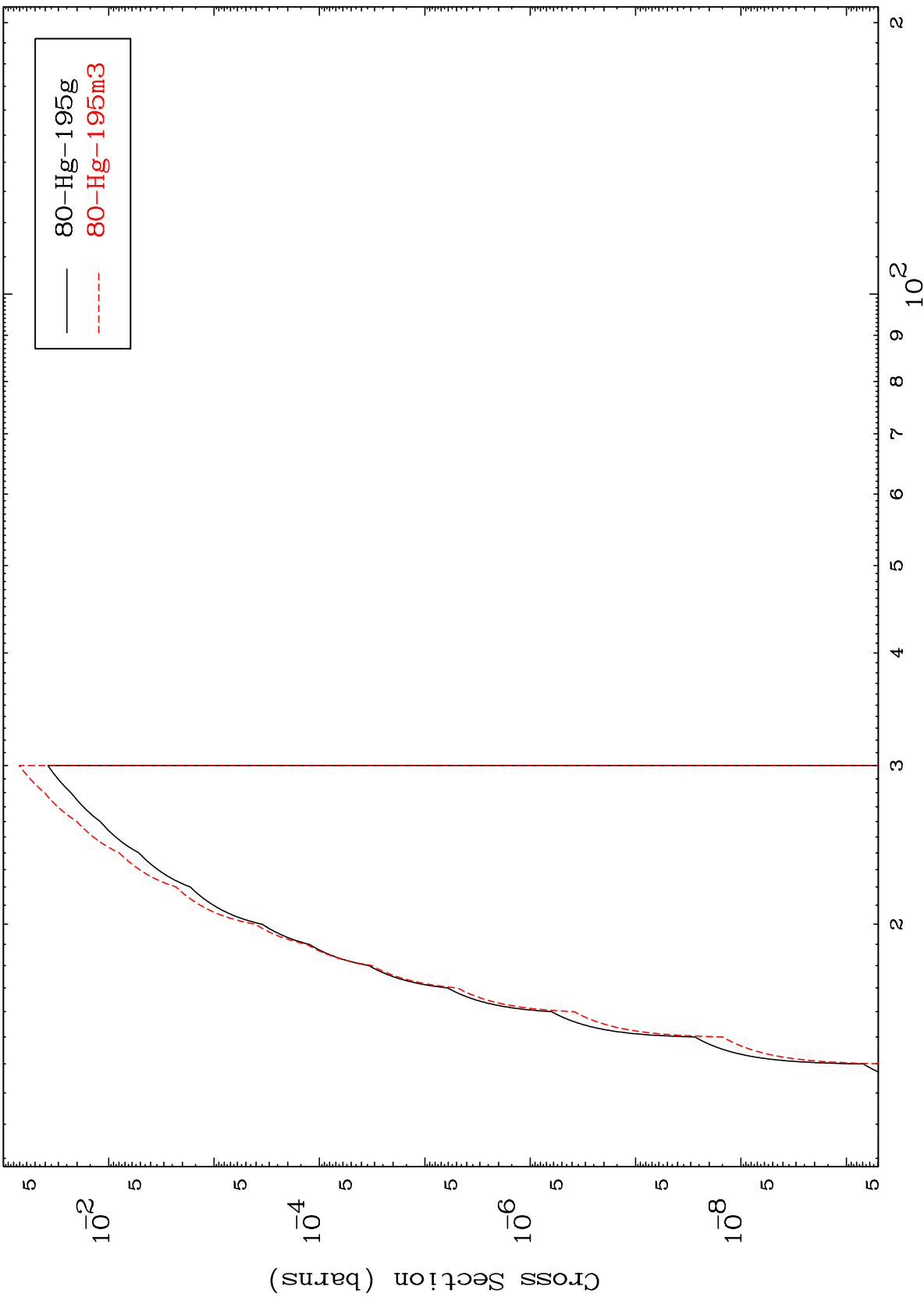
80-Hg-196

MAT 8025

(n,2n) p

80-Hg-196

Radionuclide Production Cross Section

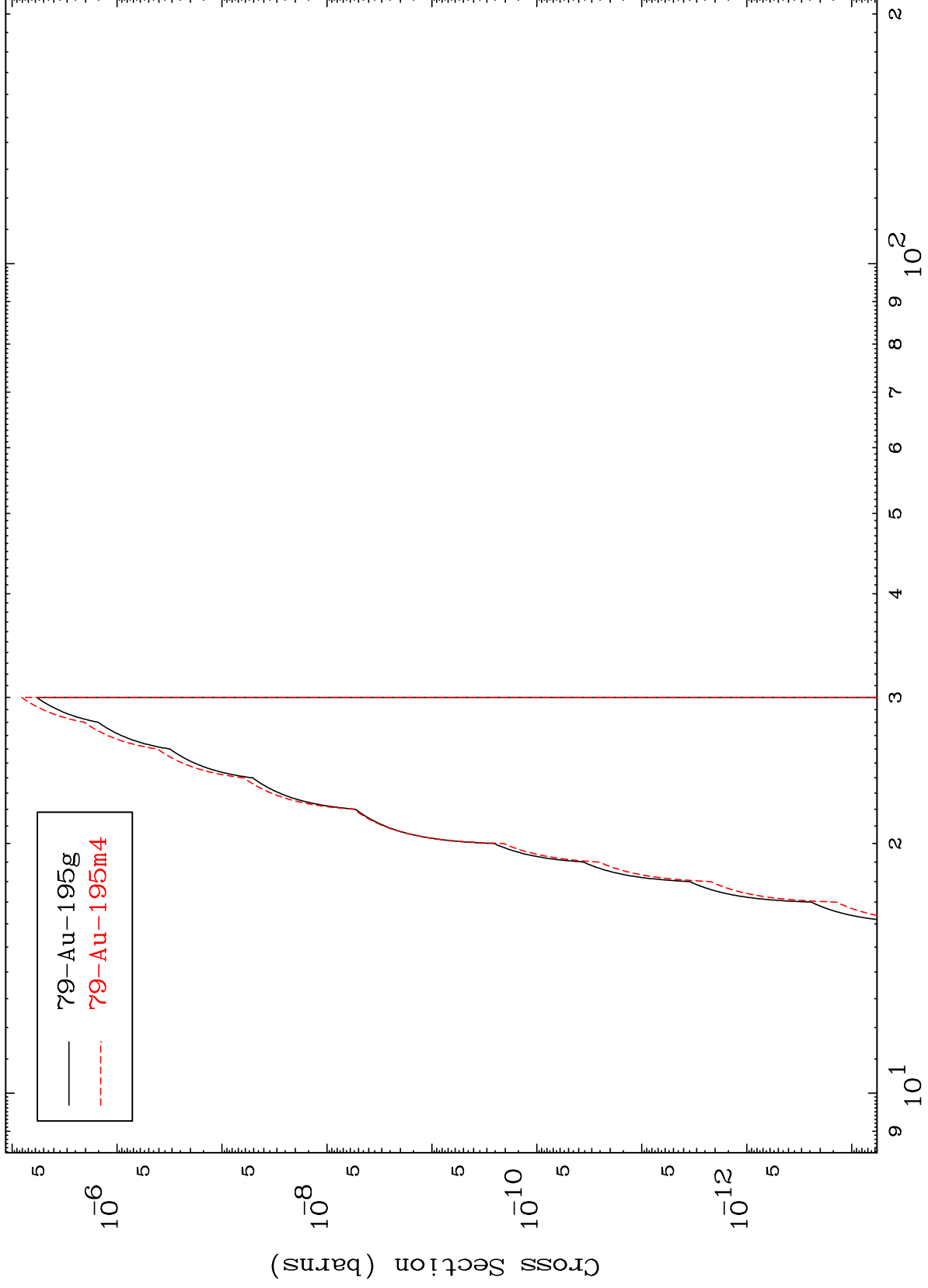


MAT 8025

(n,2n) p

80-Hg-196

Radionuclide Production Cross Section



23

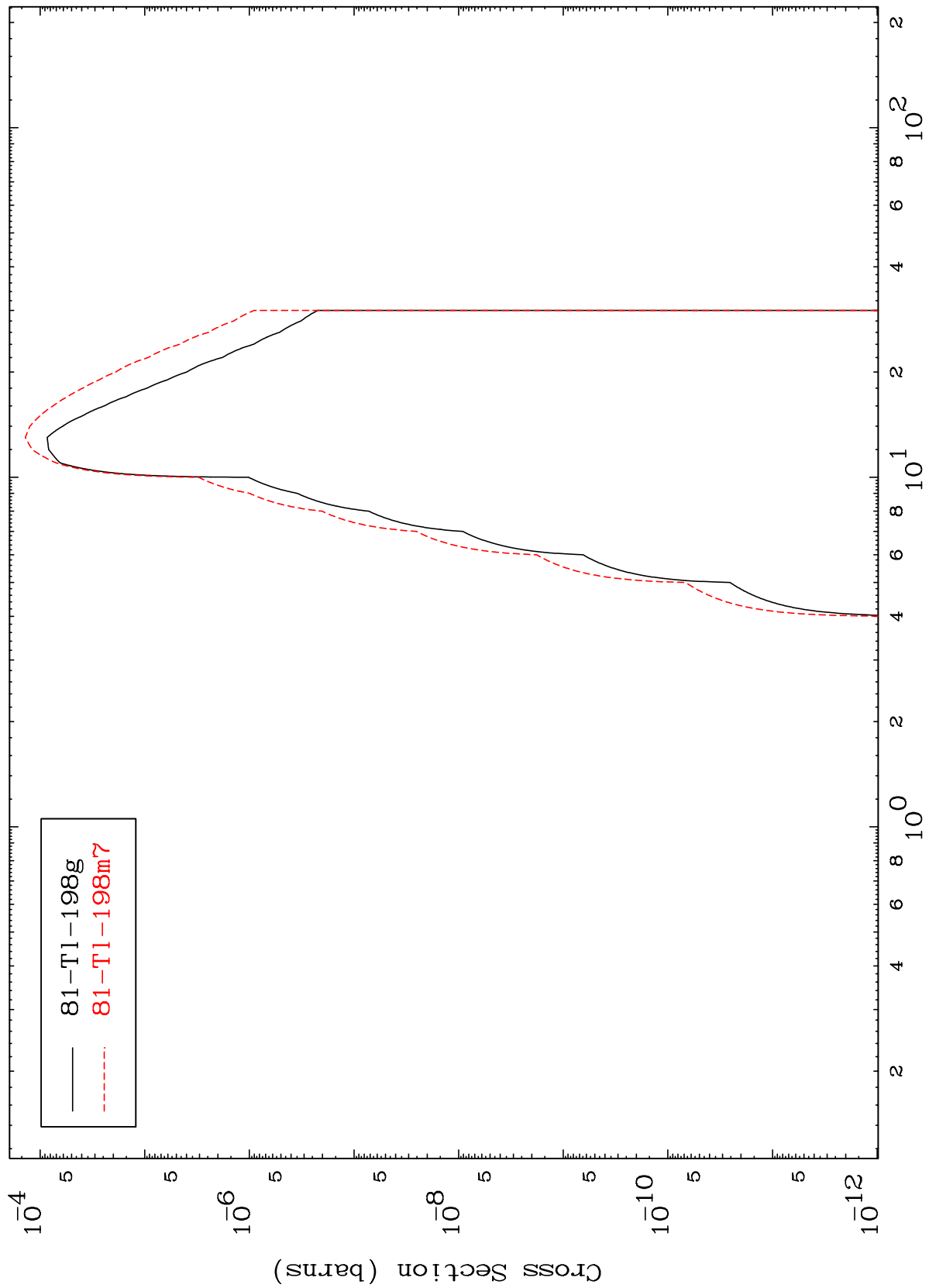
Incident Energy (MeV)

80-Hg-196

MAT 8025

80-Hg-196

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



81-Tl-198g  
81-Tl-198m7

80-Hg-196

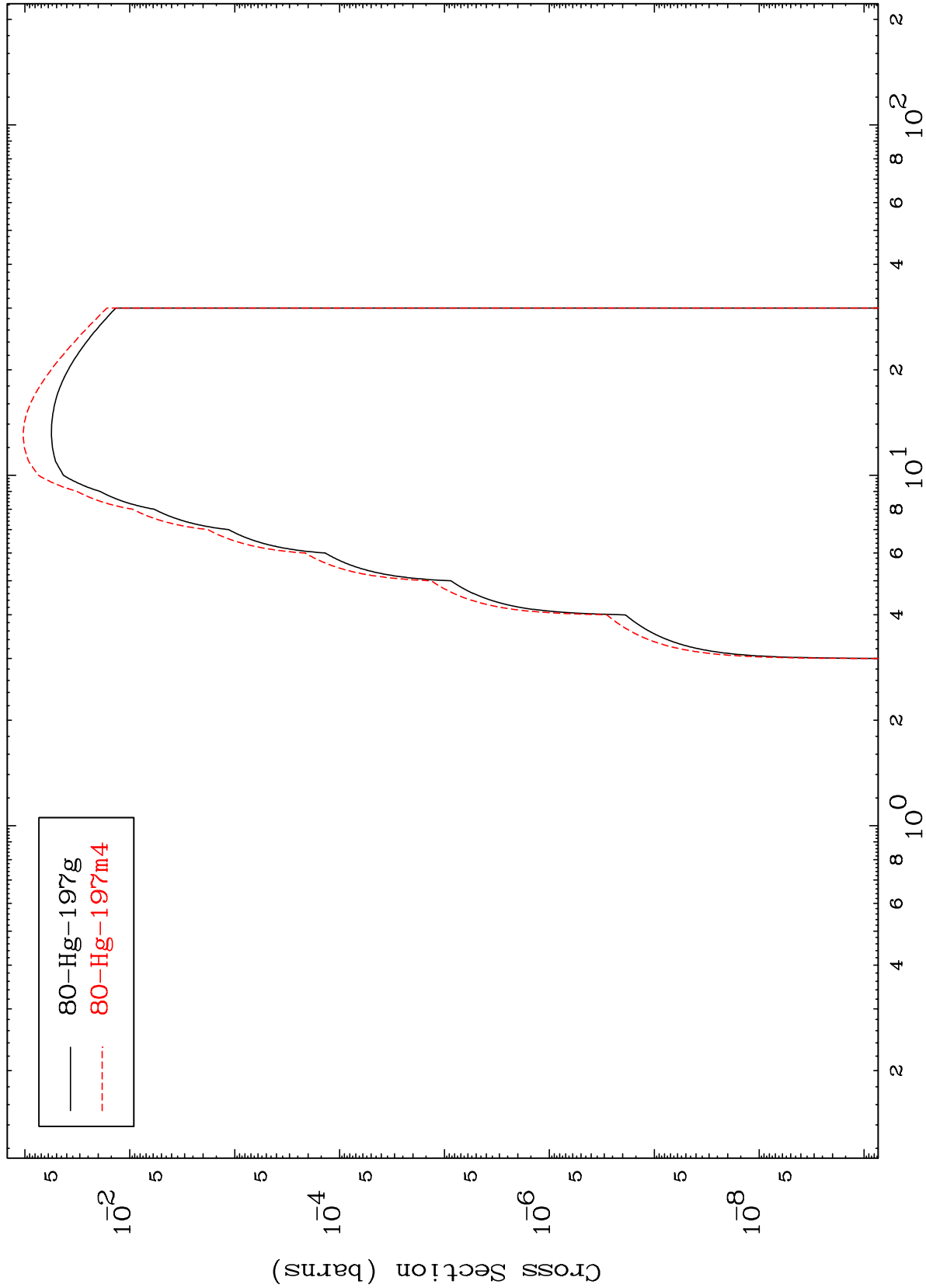
Incident Energy (MeV)

24

MAT 8025

80-Hg-196

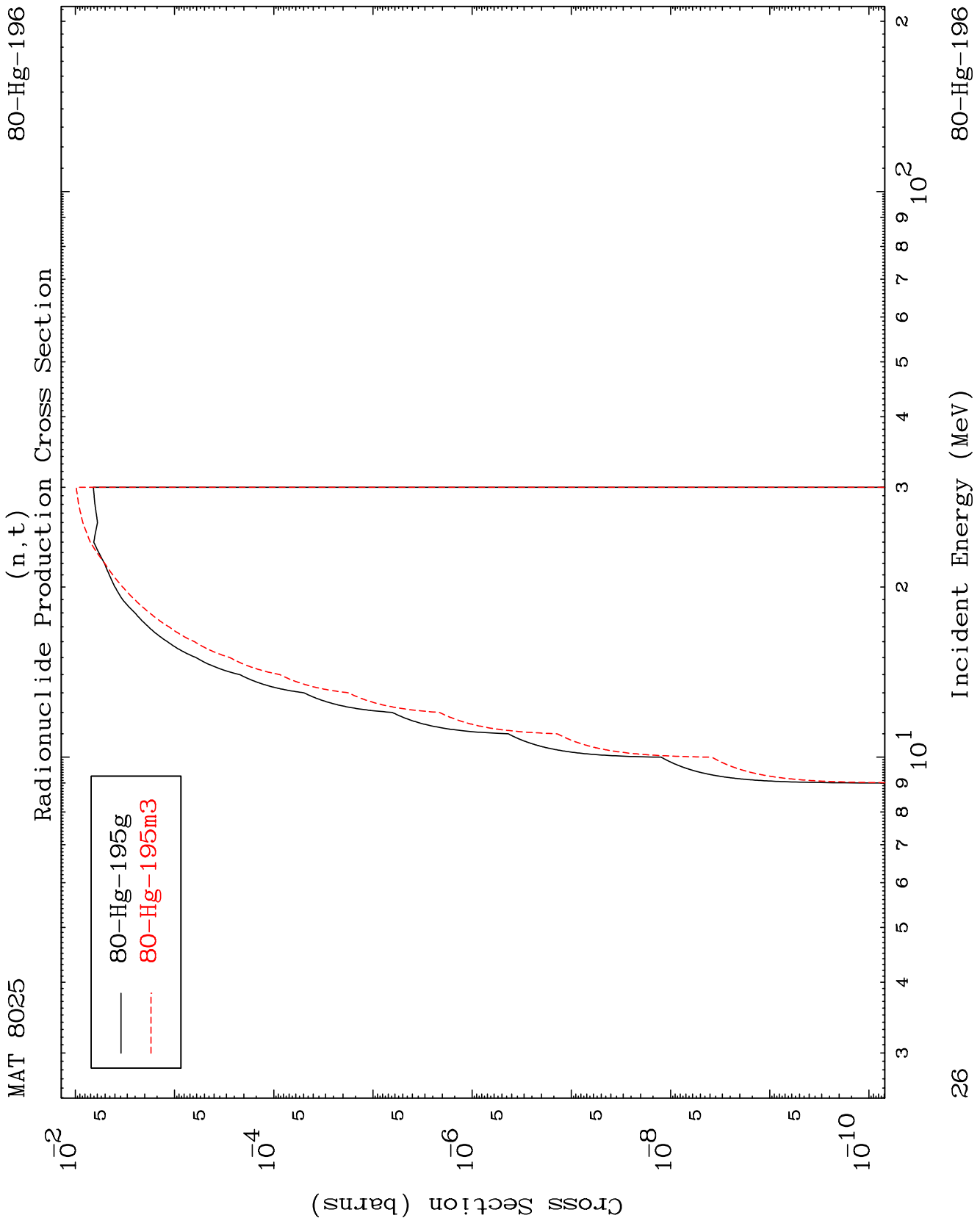
(n,p)  
Radionuclide Production Cross Section



80-Hg-196

Incident Energy (MeV)

25

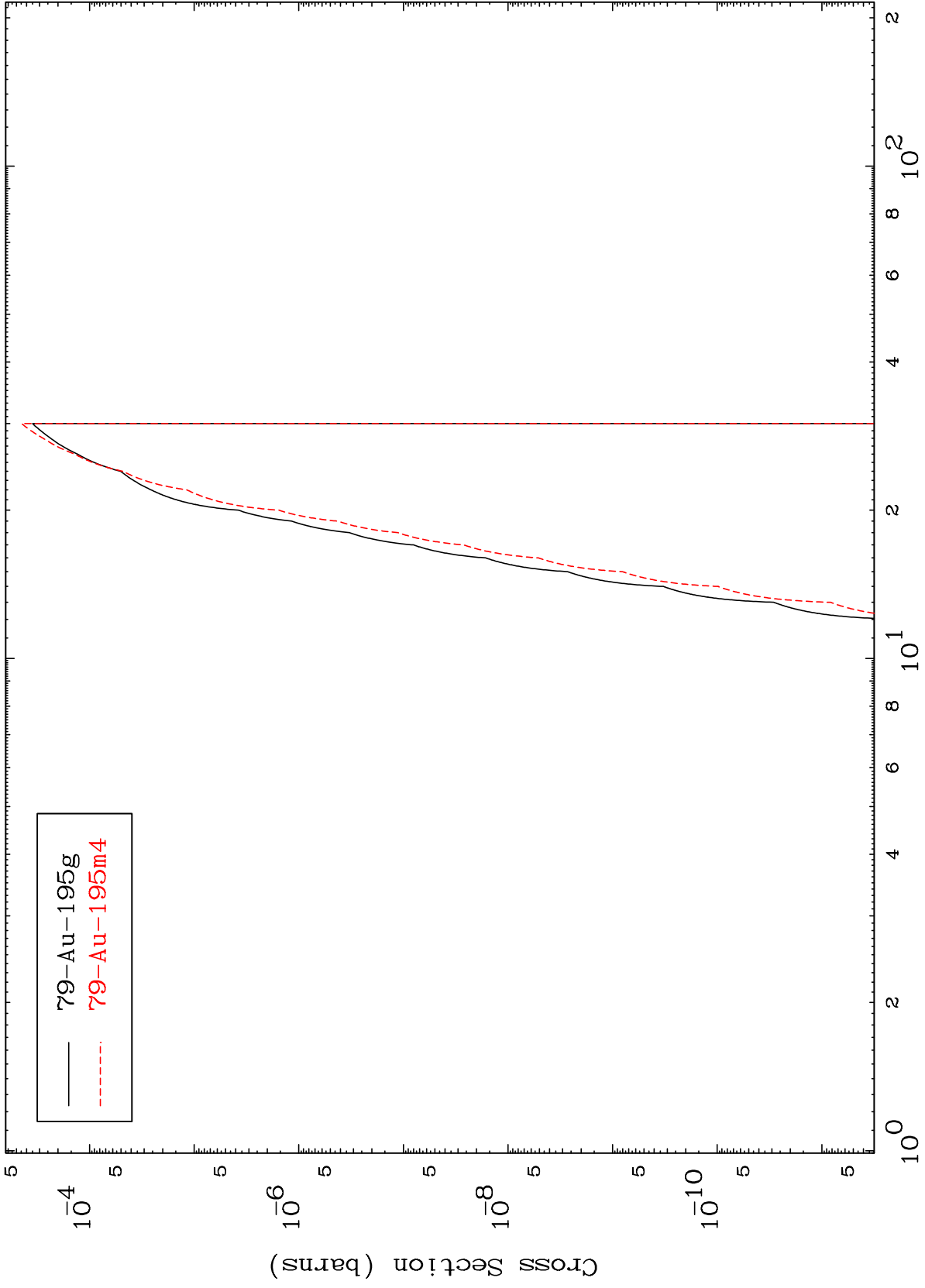


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(n,He-3)

80-Hg-196

Radionuclide Production Cross Section



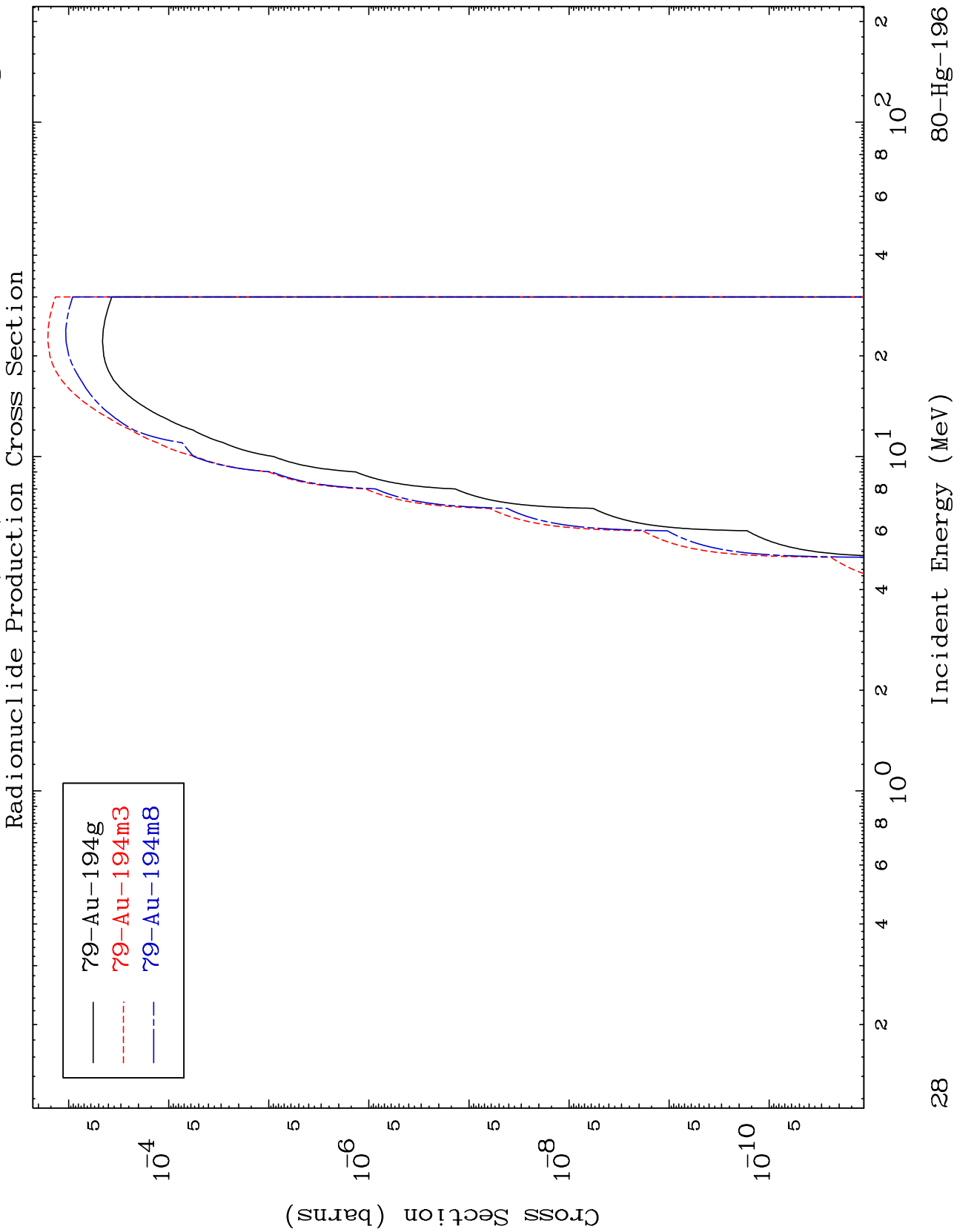
27

Incident Energy (MeV)

80-Hg-196

MAT 8025

80-Hg-196

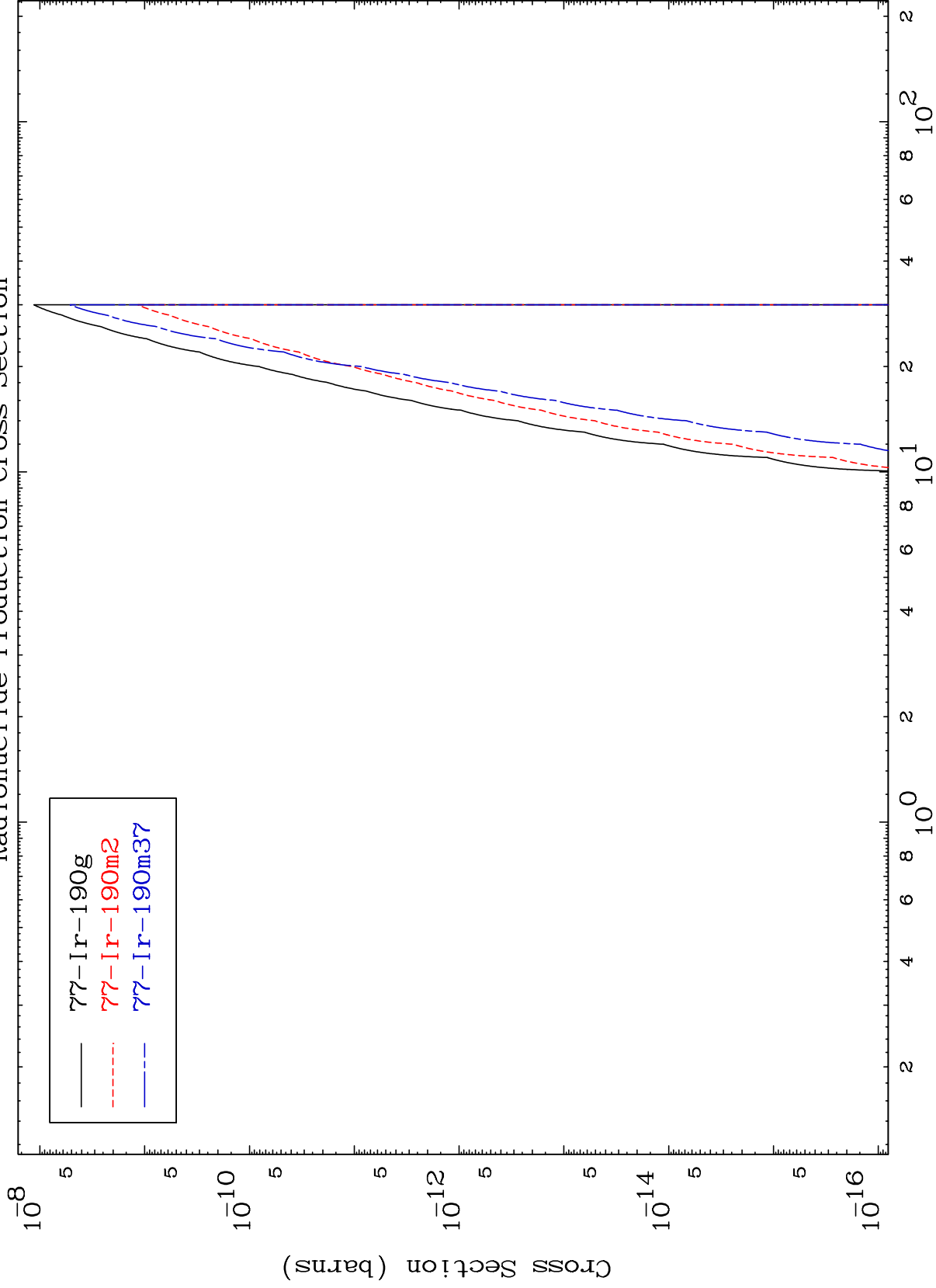


MAT 8025

(n,2α)

80-Hg-196

Radionuclide Production Cross Section



29

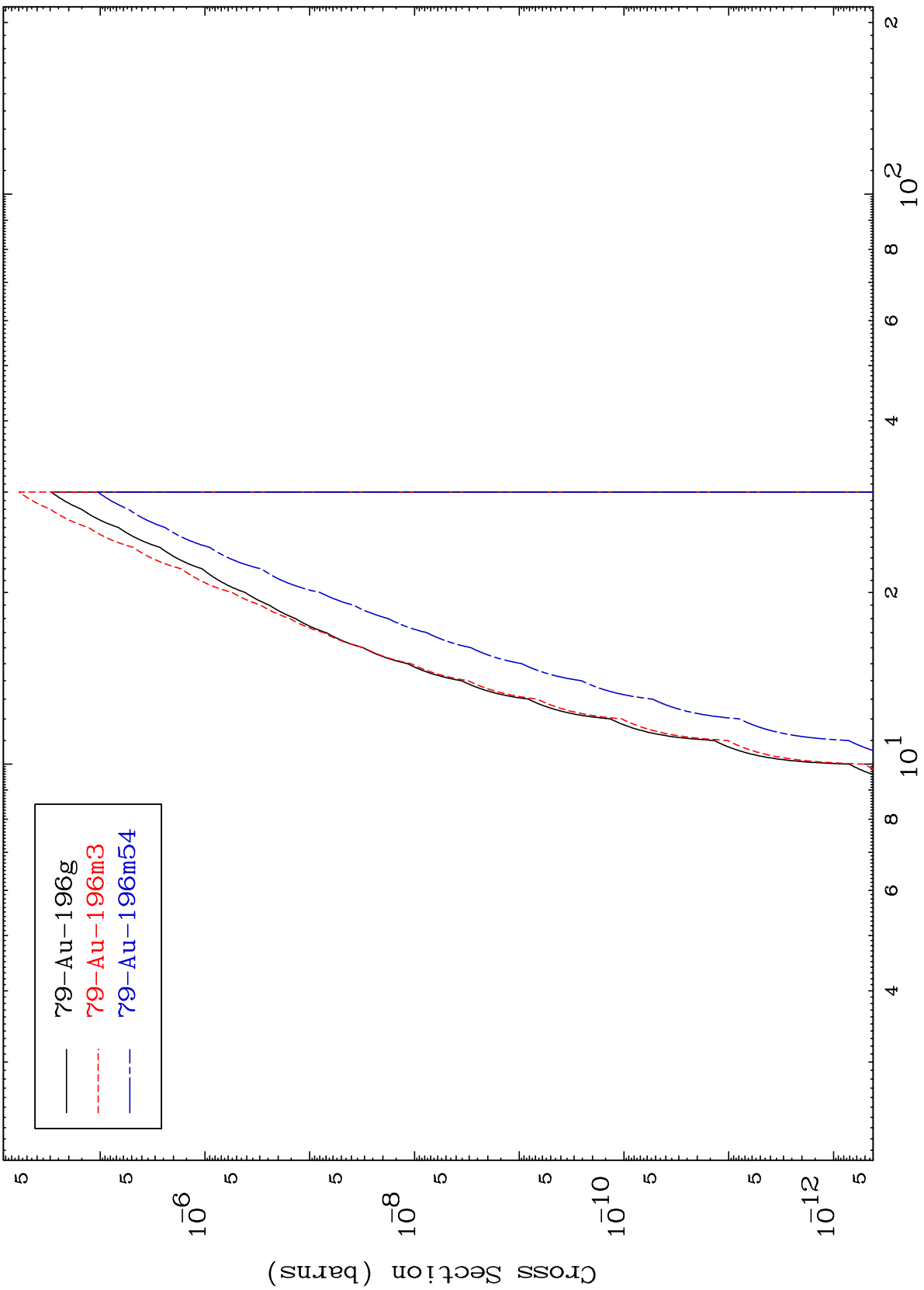
Incident Energy (MeV)

80-Hg-196

MAT 8025

80-Hg-196

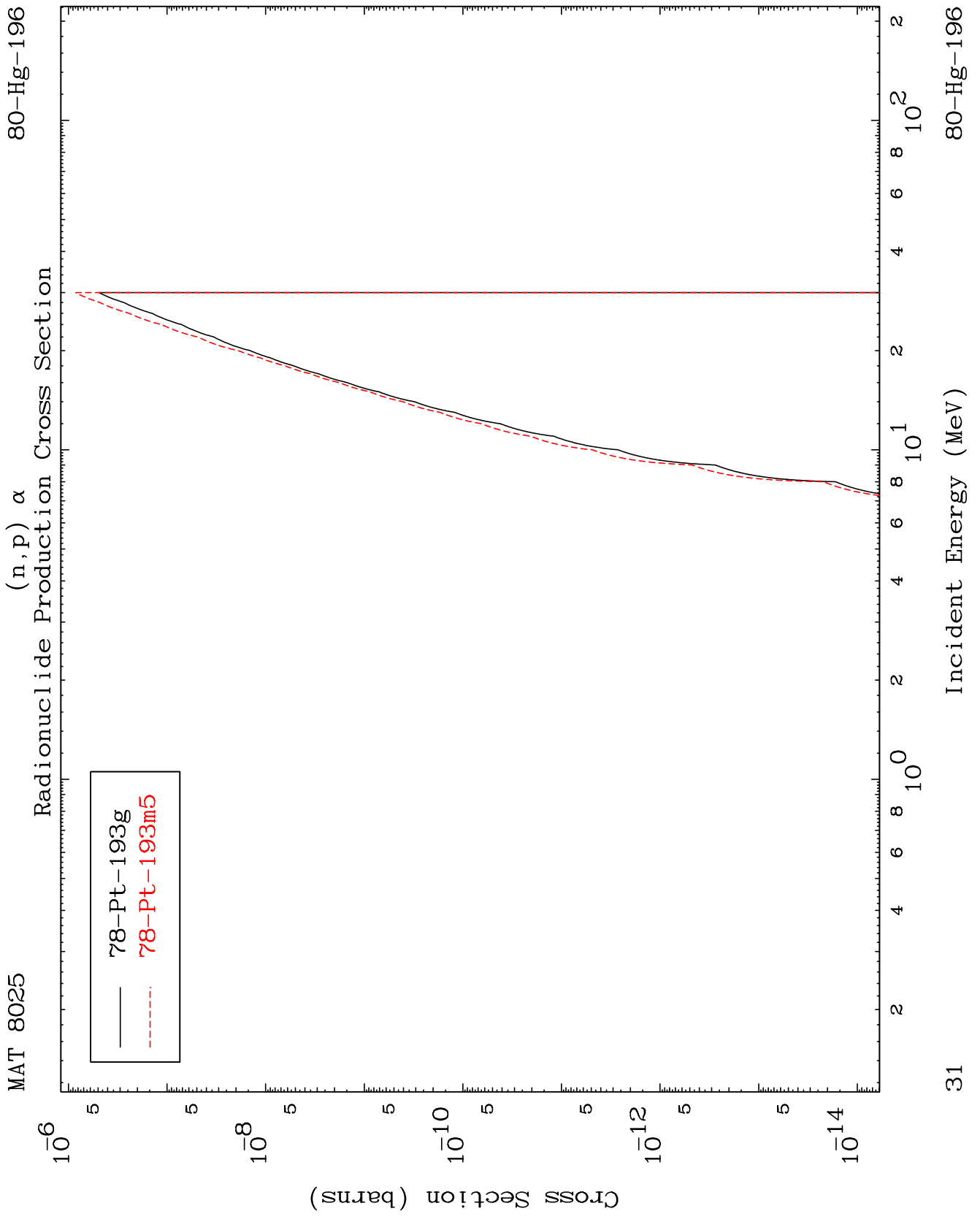
(n,2p)  
Radionuclide Production Cross Section



30

80-Hg-196

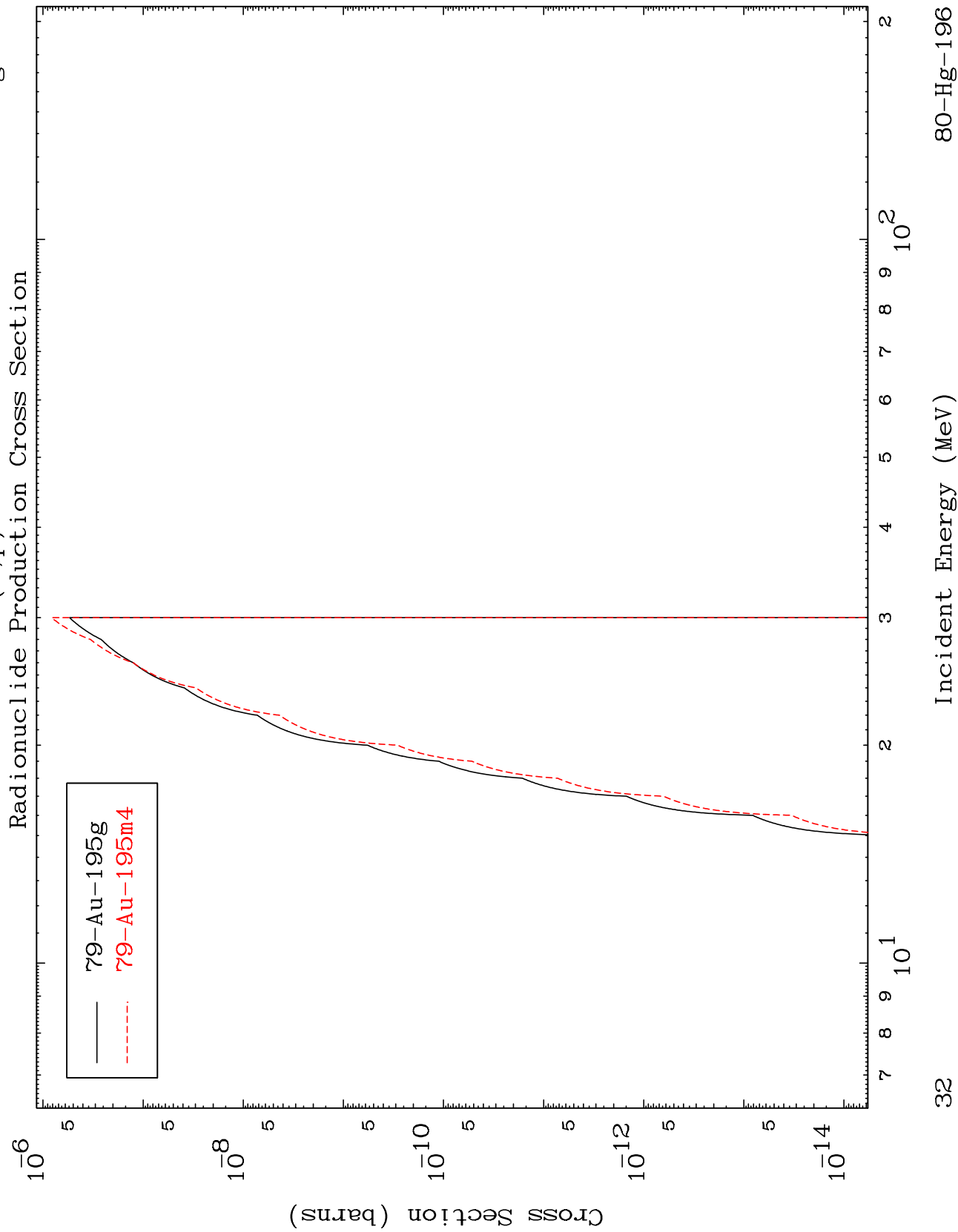
Incident Energy (MeV)



MAT 8025

(n,p) d

80-Hg-196

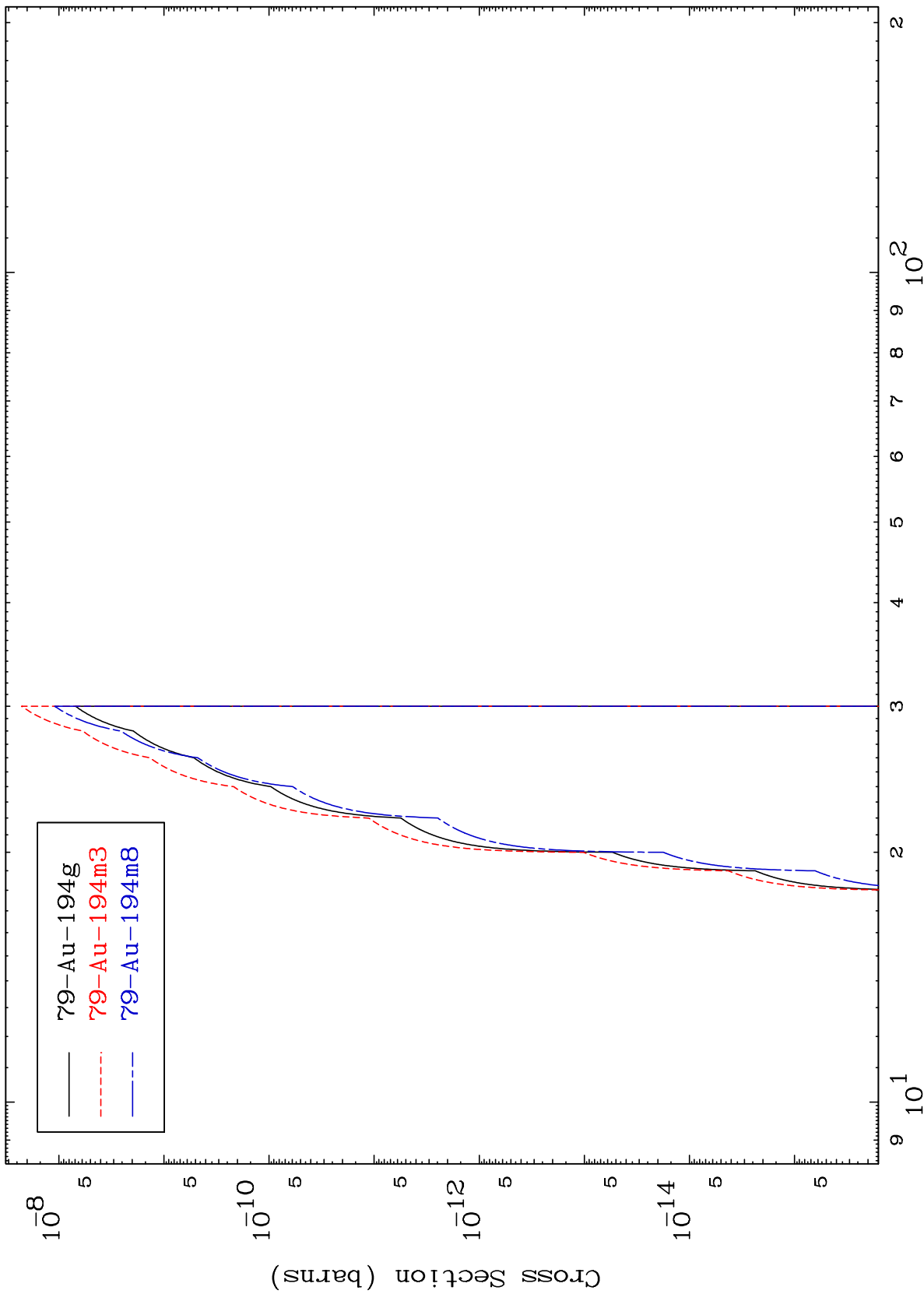


MAT 8025

(n,p) t

80-Hg-196

Radionuclide Production Cross Section



33

Incident Energy (MeV)

80-Hg-196