

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

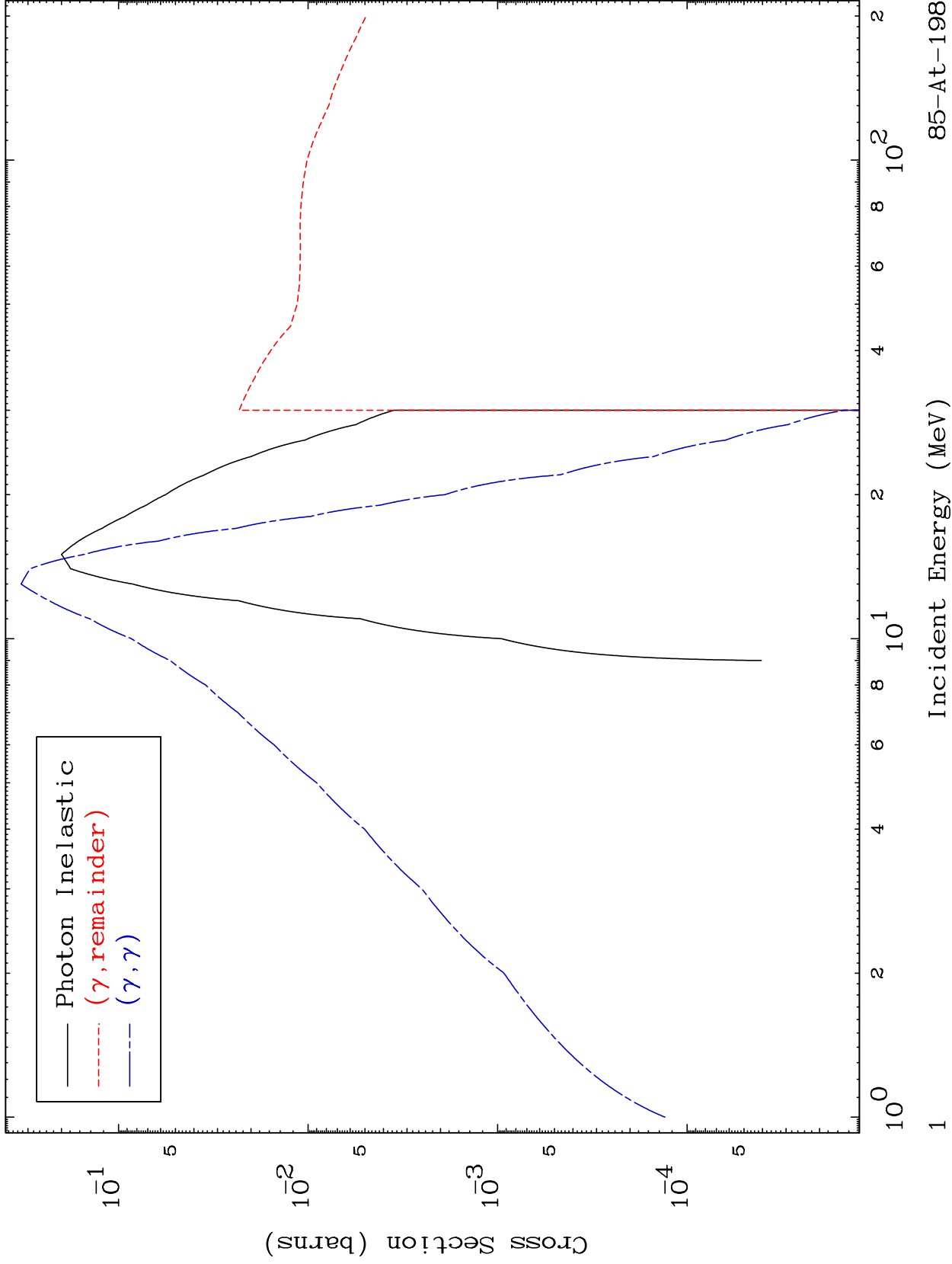
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 85111

Photon Major  
0 Kelvin Cross Sections

85-At-198



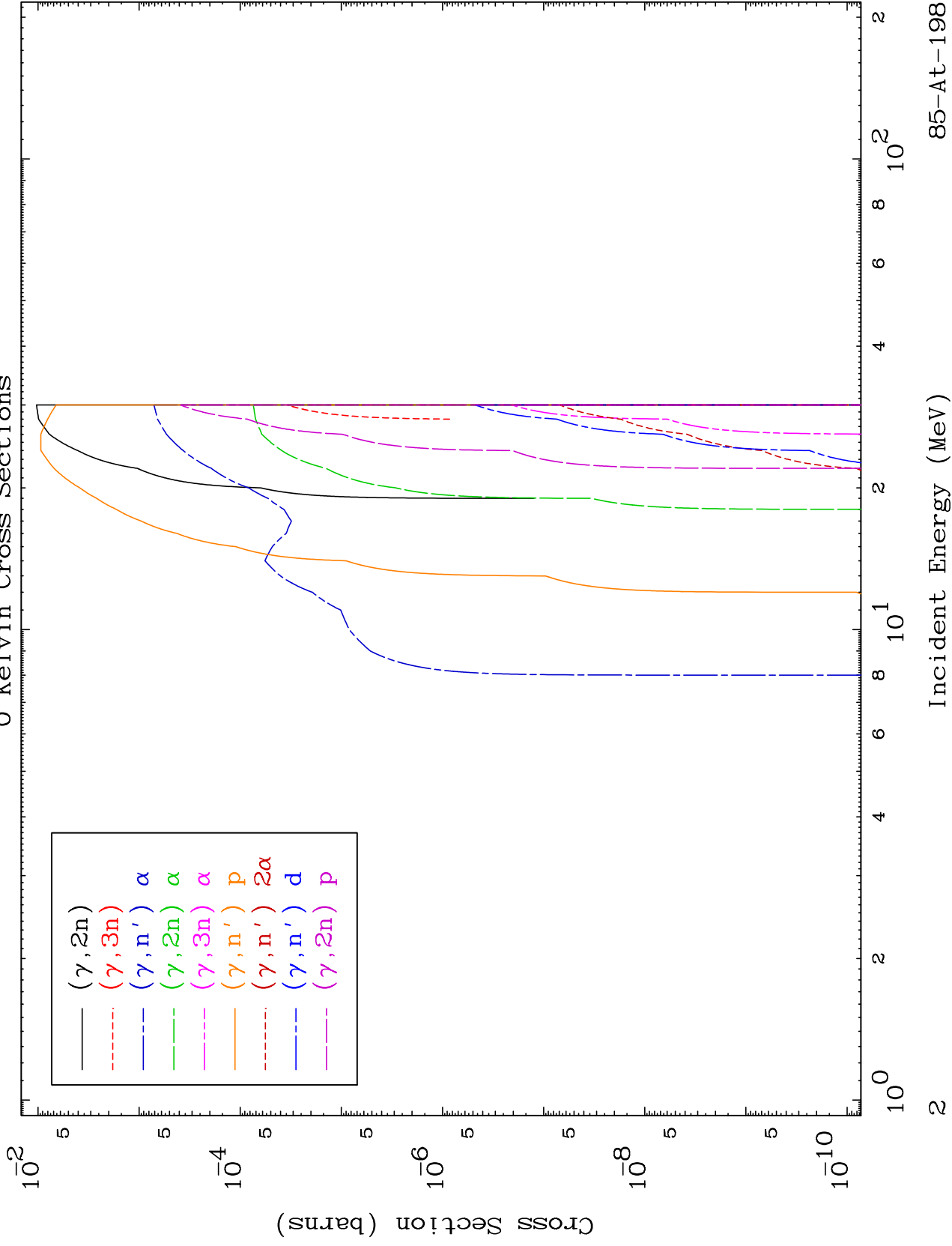
85-At-198

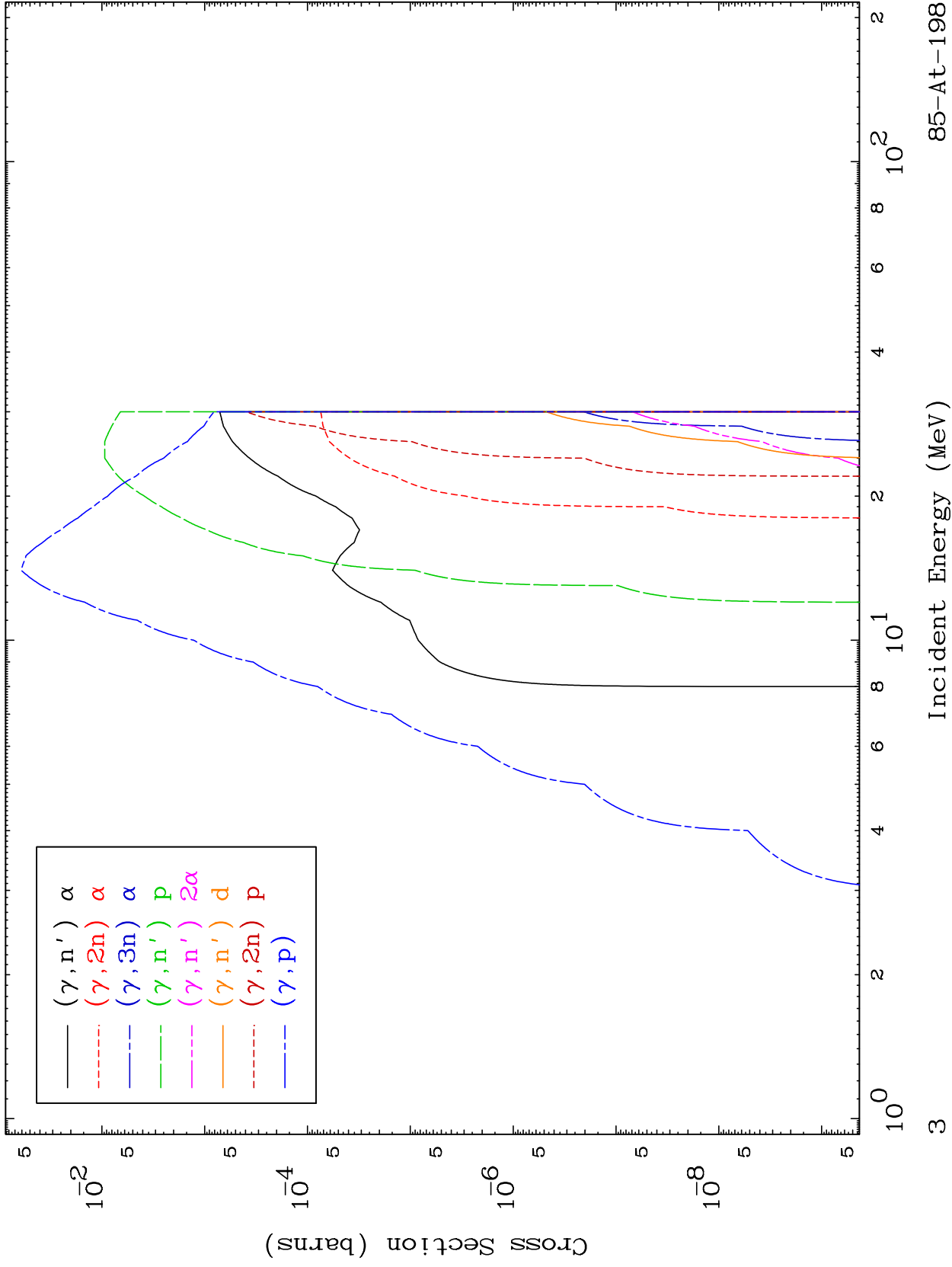
Incident Energy (MeV)

MAT 8511

Photon Neutron Production  
0 Kelvin Cross Sections

85-At-198

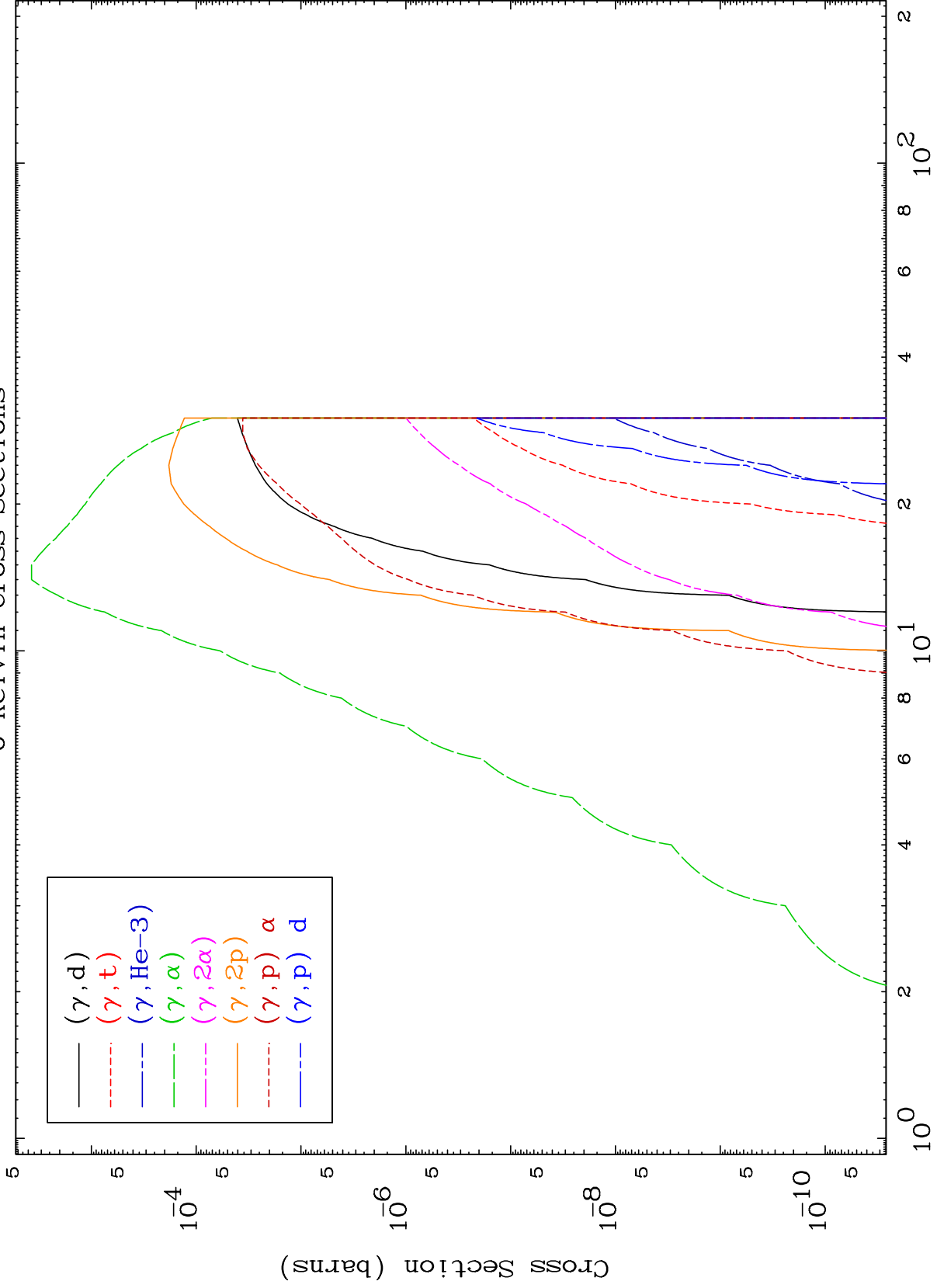




MAT 8511

Photon Charged Particle  
0 Kelvin Cross Sections

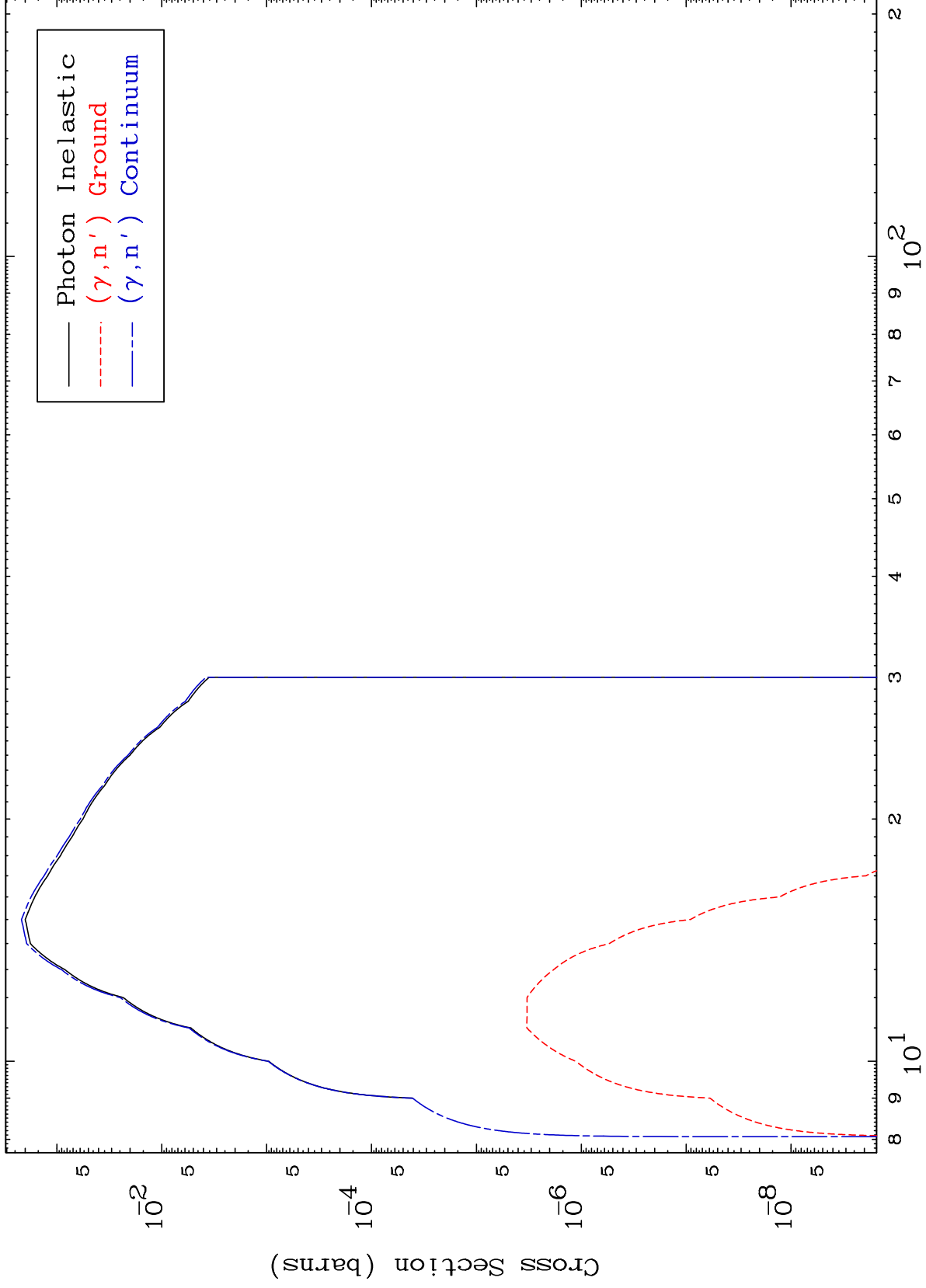
85-At-198



Incident Energy (MeV)

85-At-198

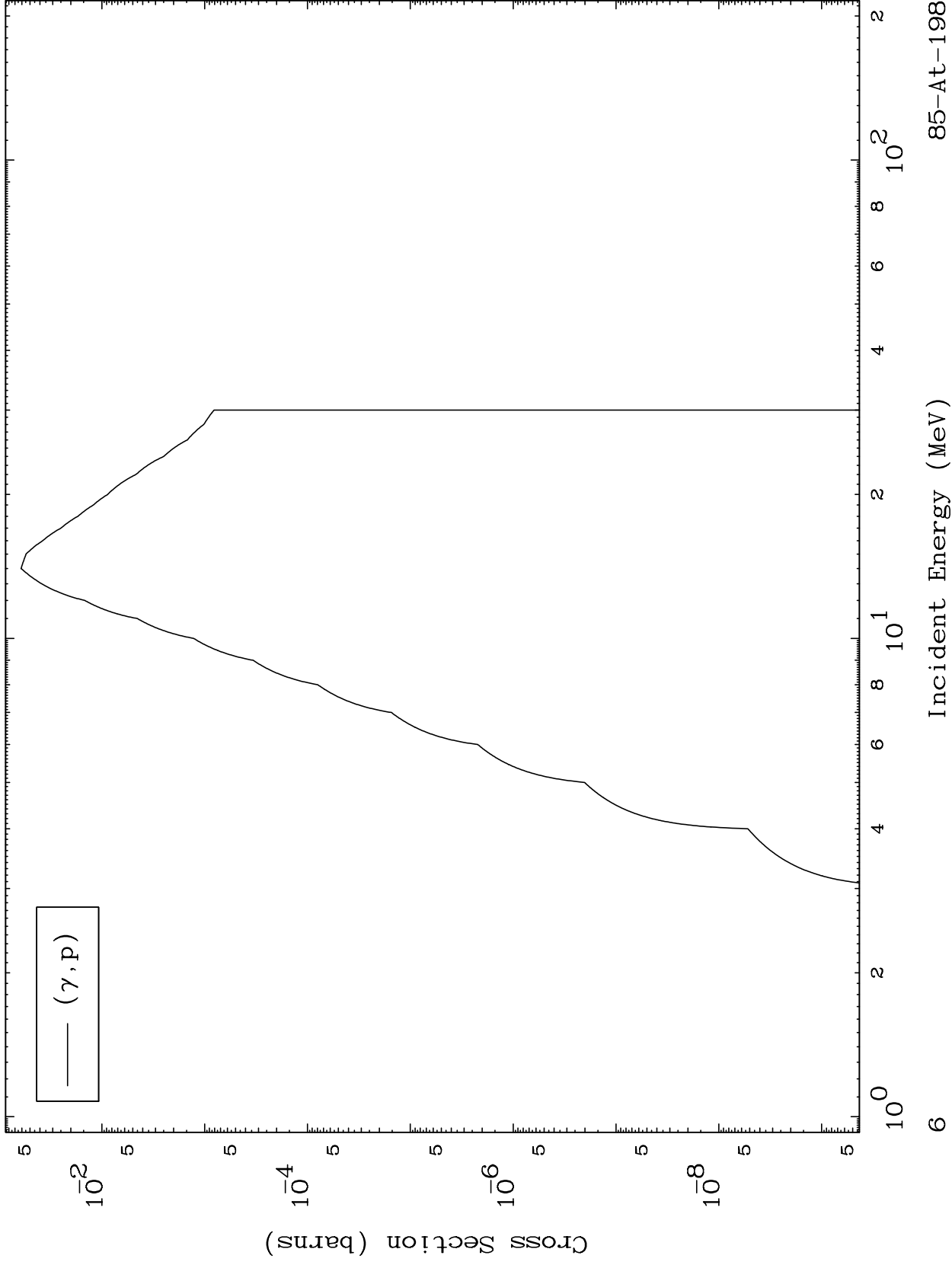
0 Kelvin Cross Sections



MAT 8511

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

85-At-198



85-At-198

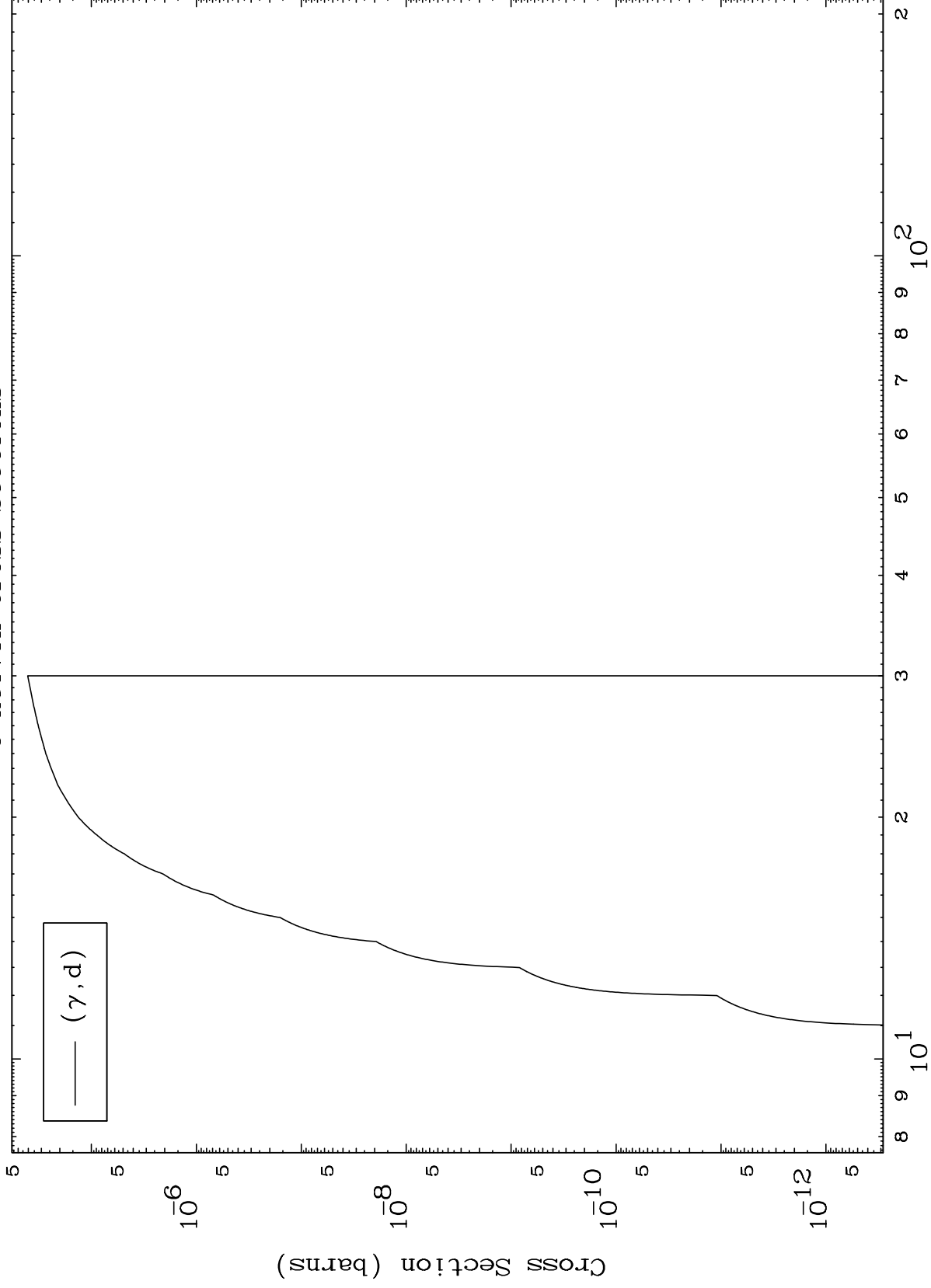
Incident Energy (MeV)

6

MAT 8511

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

85-At-198

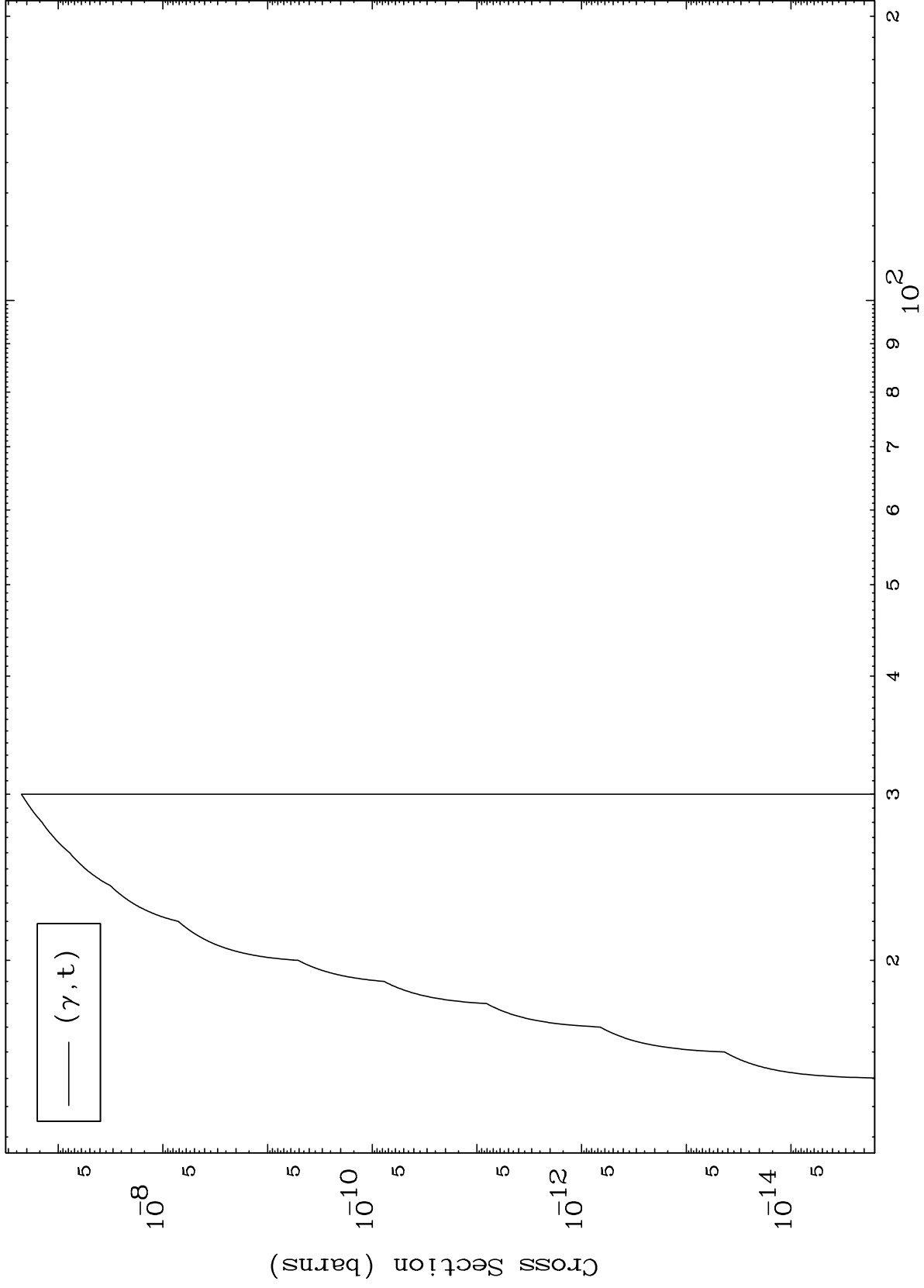


7

Incident Energy (MeV)

85-At-198

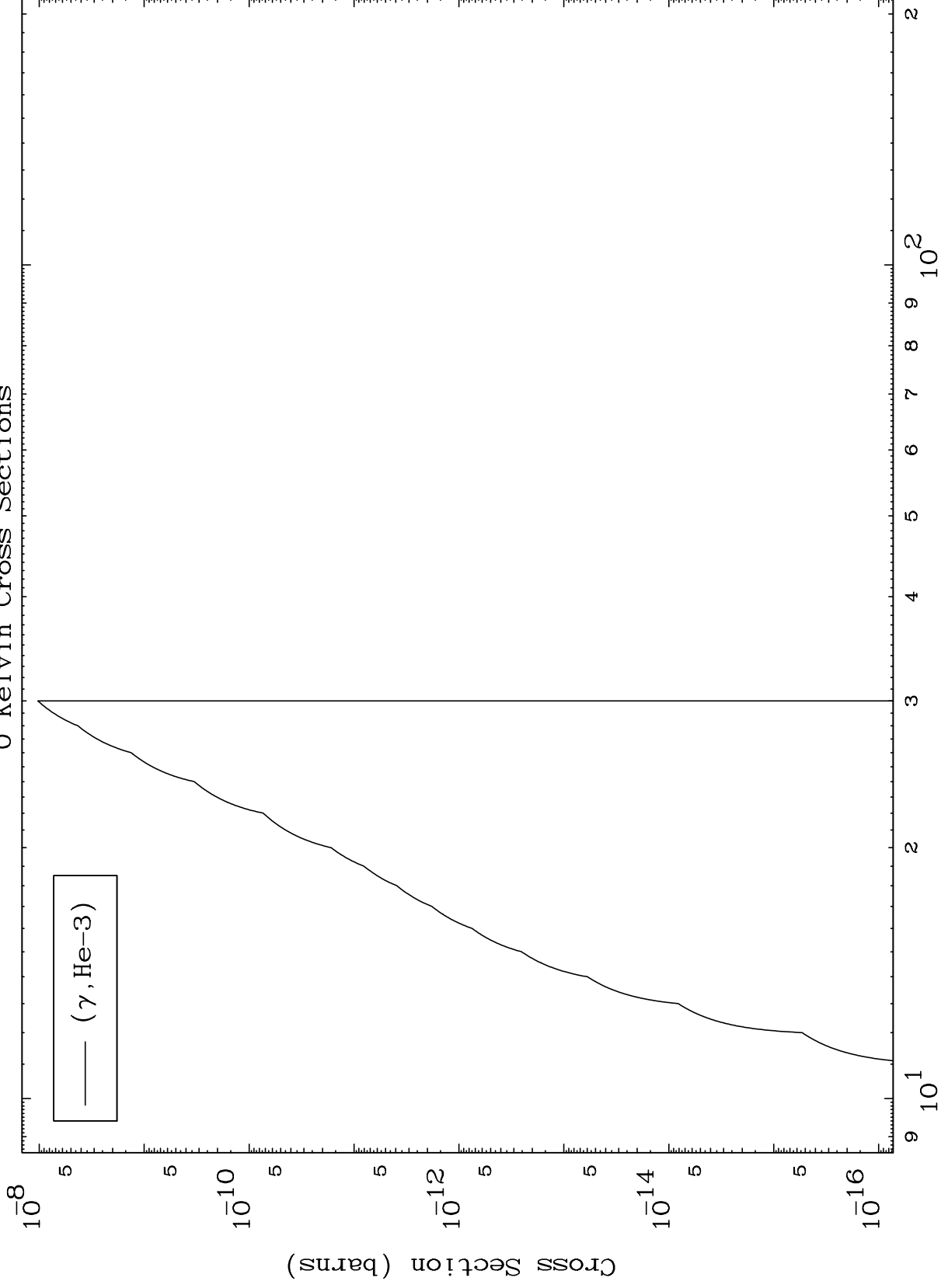




MAT 85111

( $\gamma, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

85-At-198



Incident Energy (MeV)

85-At-198

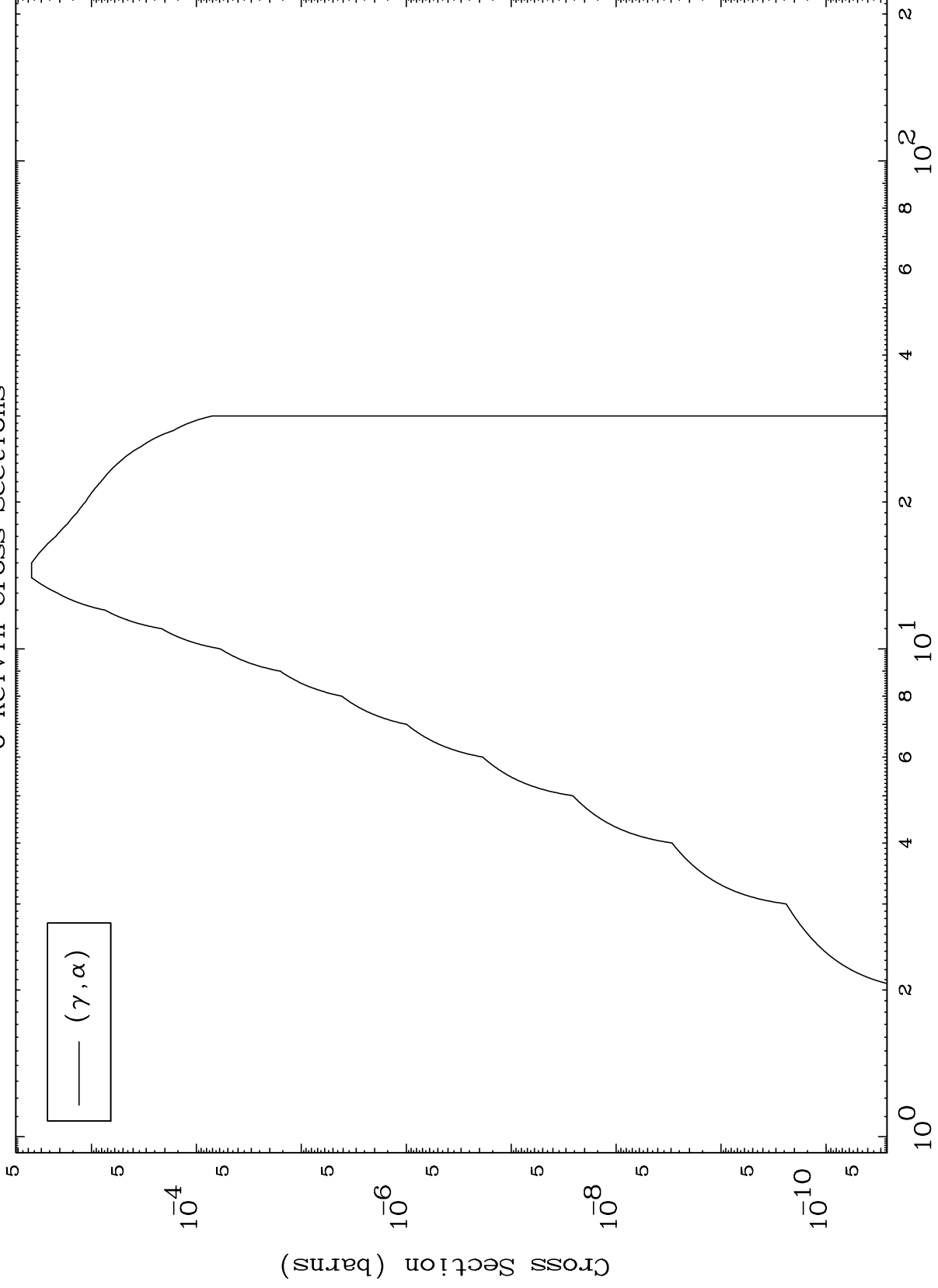
9

MAT 8511

( $\gamma, \alpha$ ) Levels

85-At-198

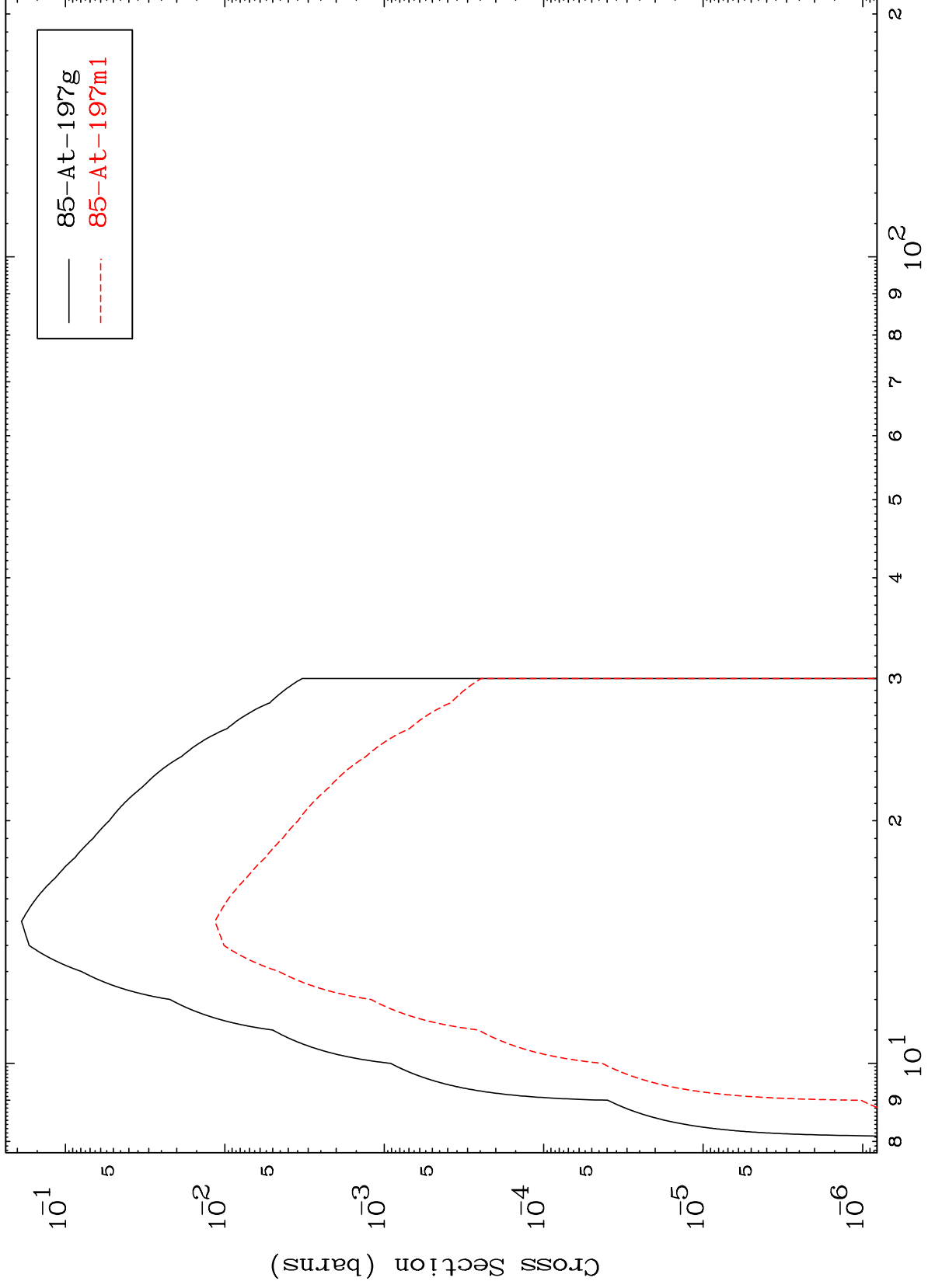
0 Kelvin Cross Sections



( $\gamma, \alpha$ )

Incident Energy (MeV)

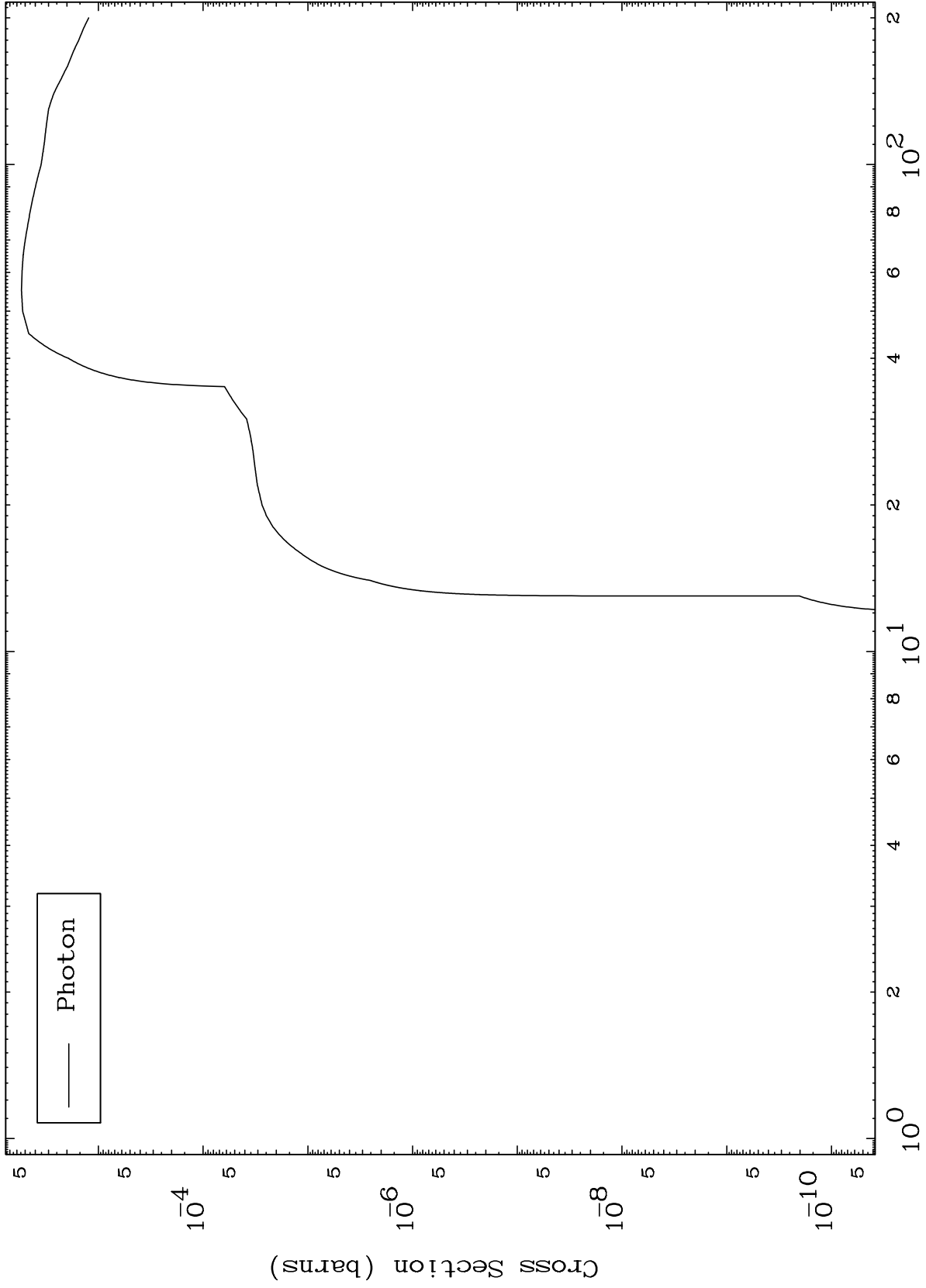
85-At-198



MAT 8511

85-At-198

Photon Fission  
Radionuclide Production Cross Section



Incident Energy (MeV)

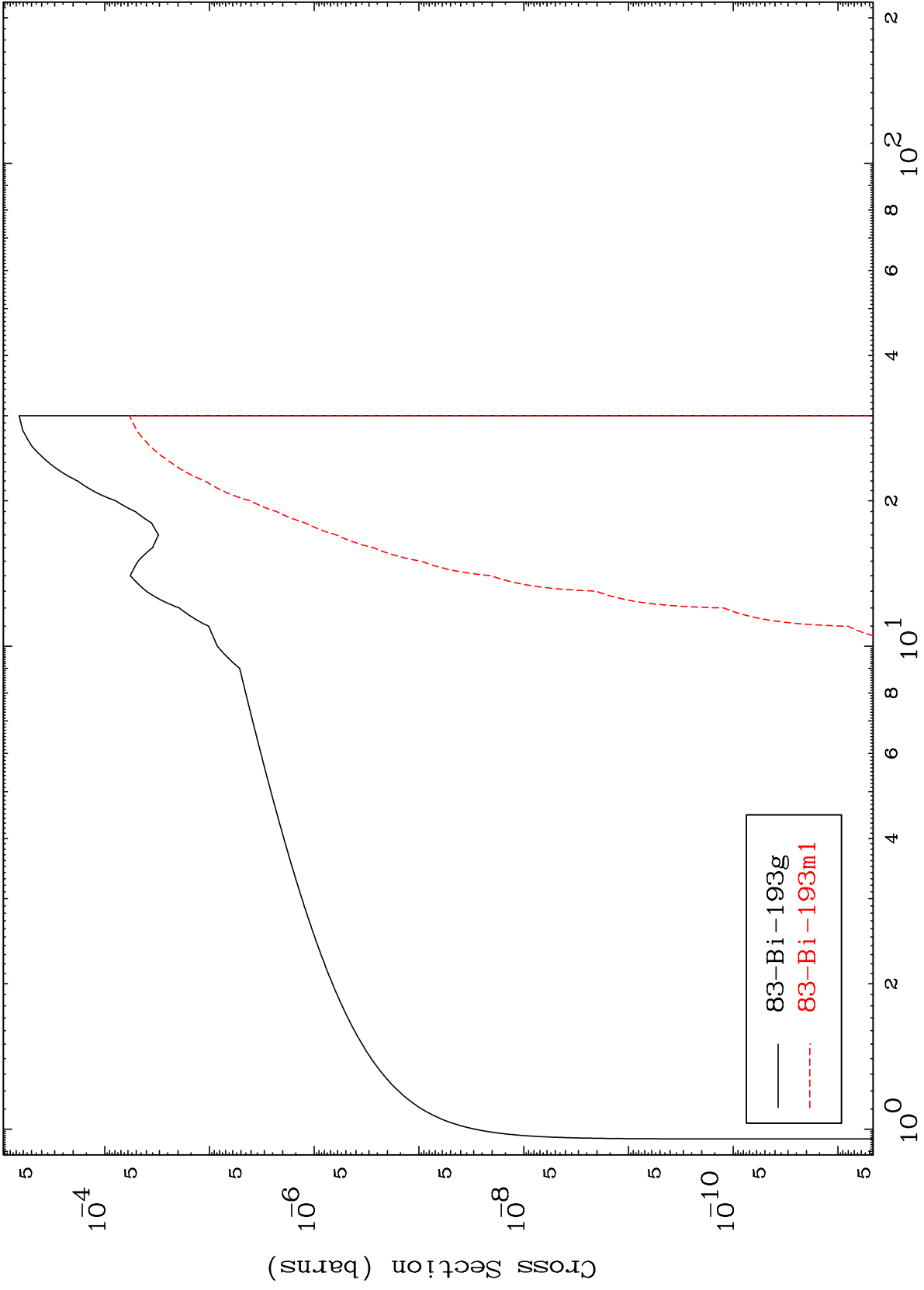
85-At-198

MAT 8511

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

85-At-198

Radionuclide Production Cross Section



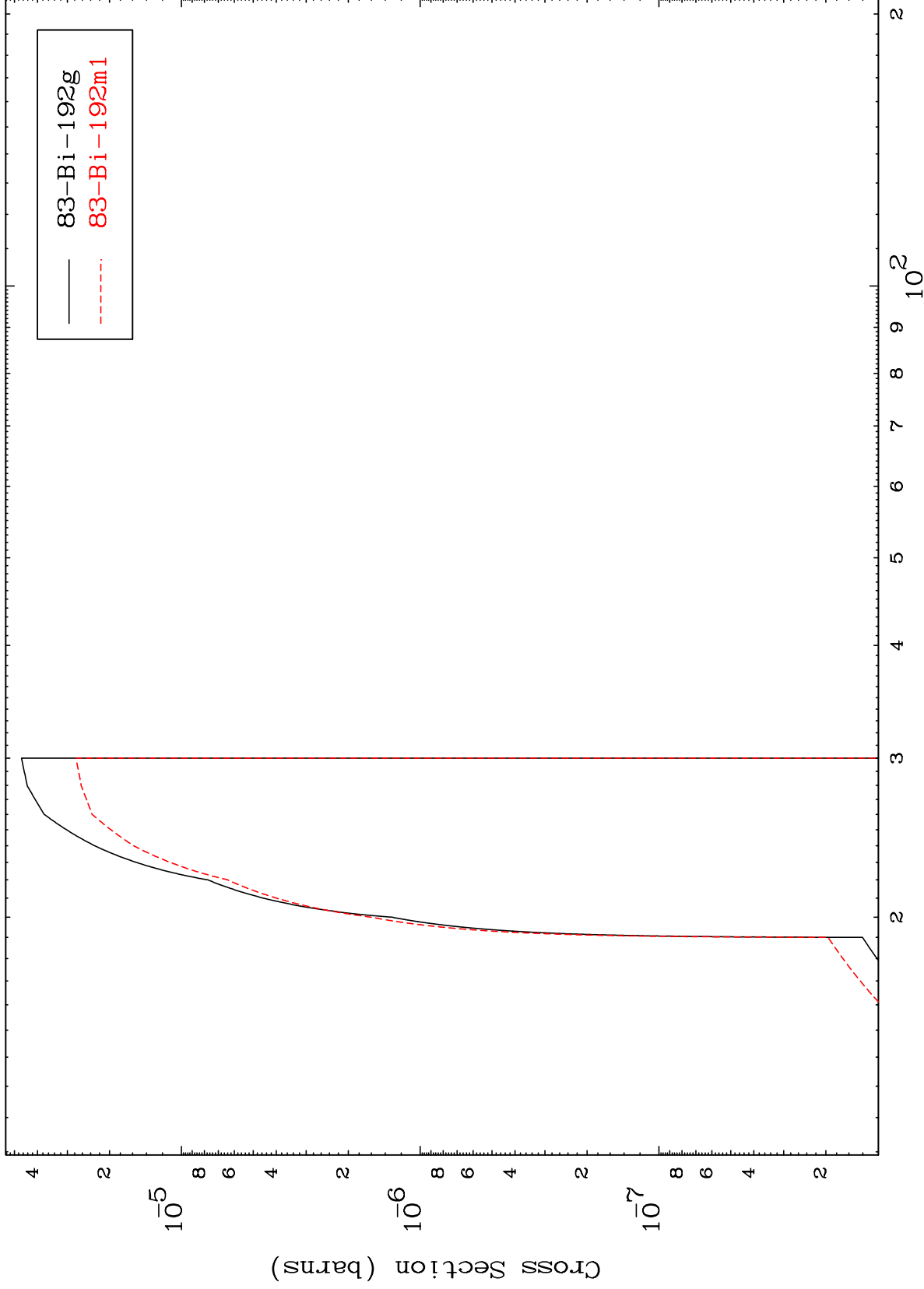
—  $^{83}\text{Bi}-193\text{g}$   
- - -  $^{83}\text{Bi}-193\text{m1}$

13

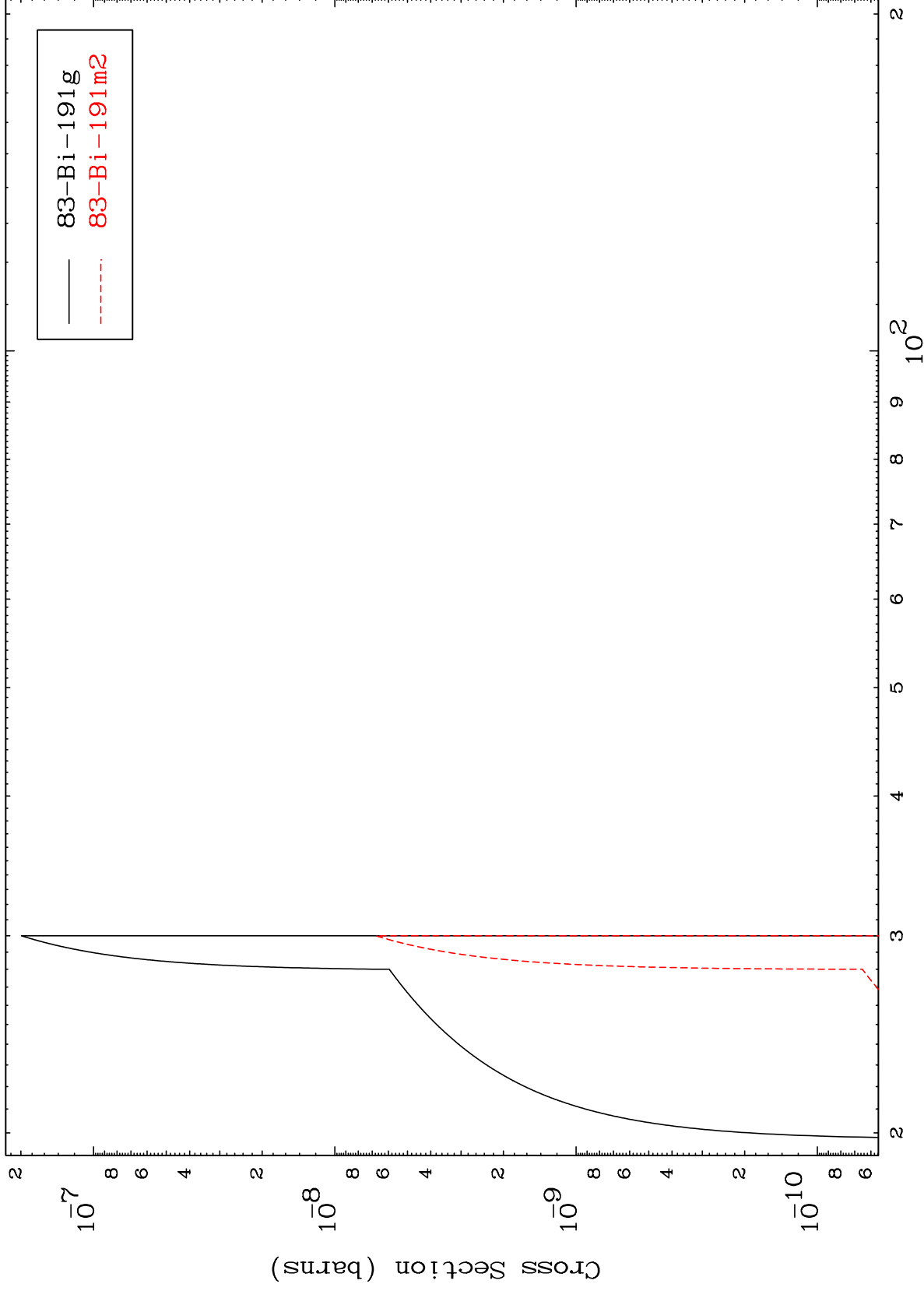
Incident Energy (MeV)

85-At-198

Radionuclide Production Cross Section



Radionuclide Production Cross Section



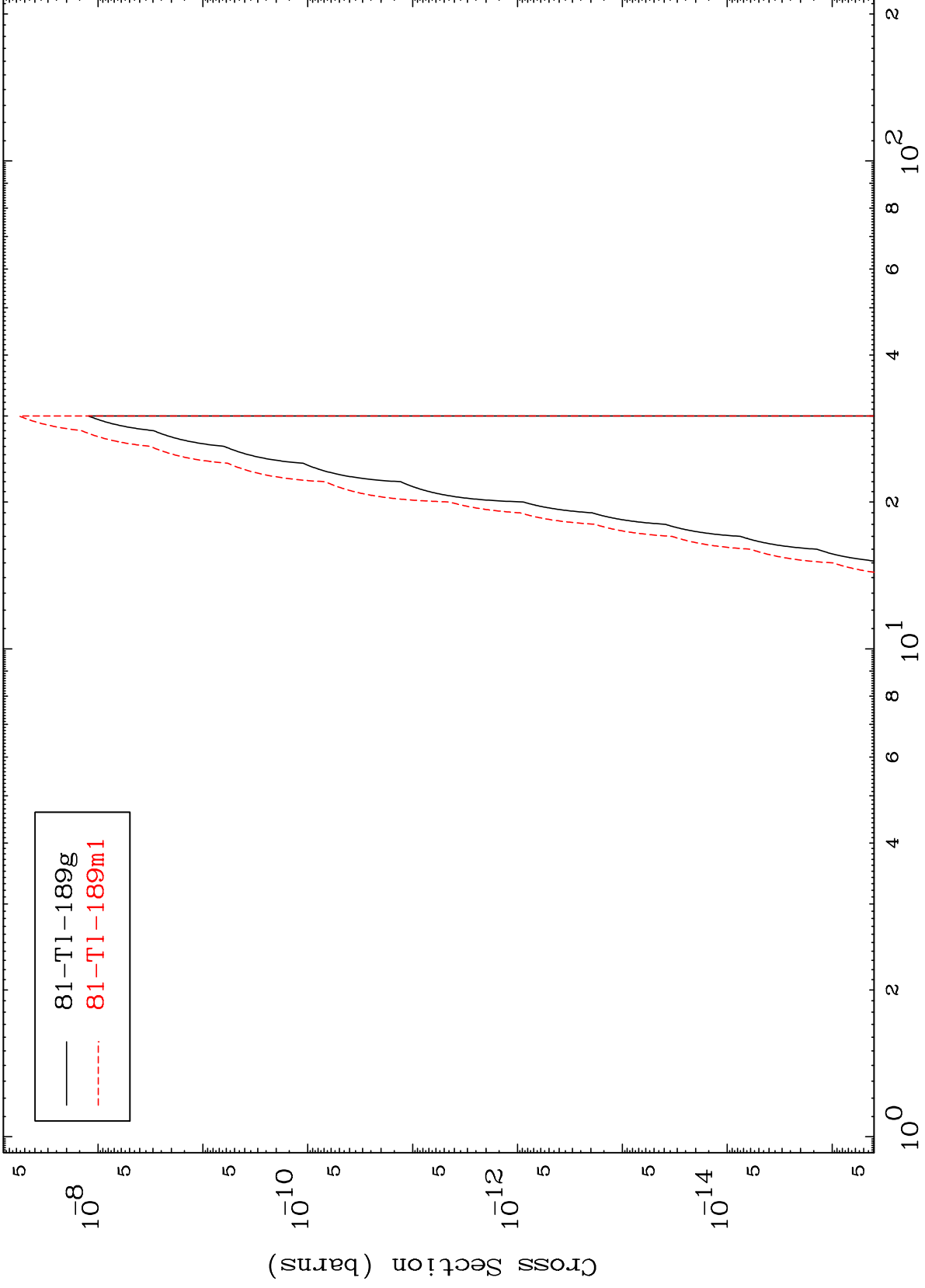


MAT 8511

( $\gamma, n'$ )  $2\alpha$

85-At-198

Radionuclide Production Cross Section

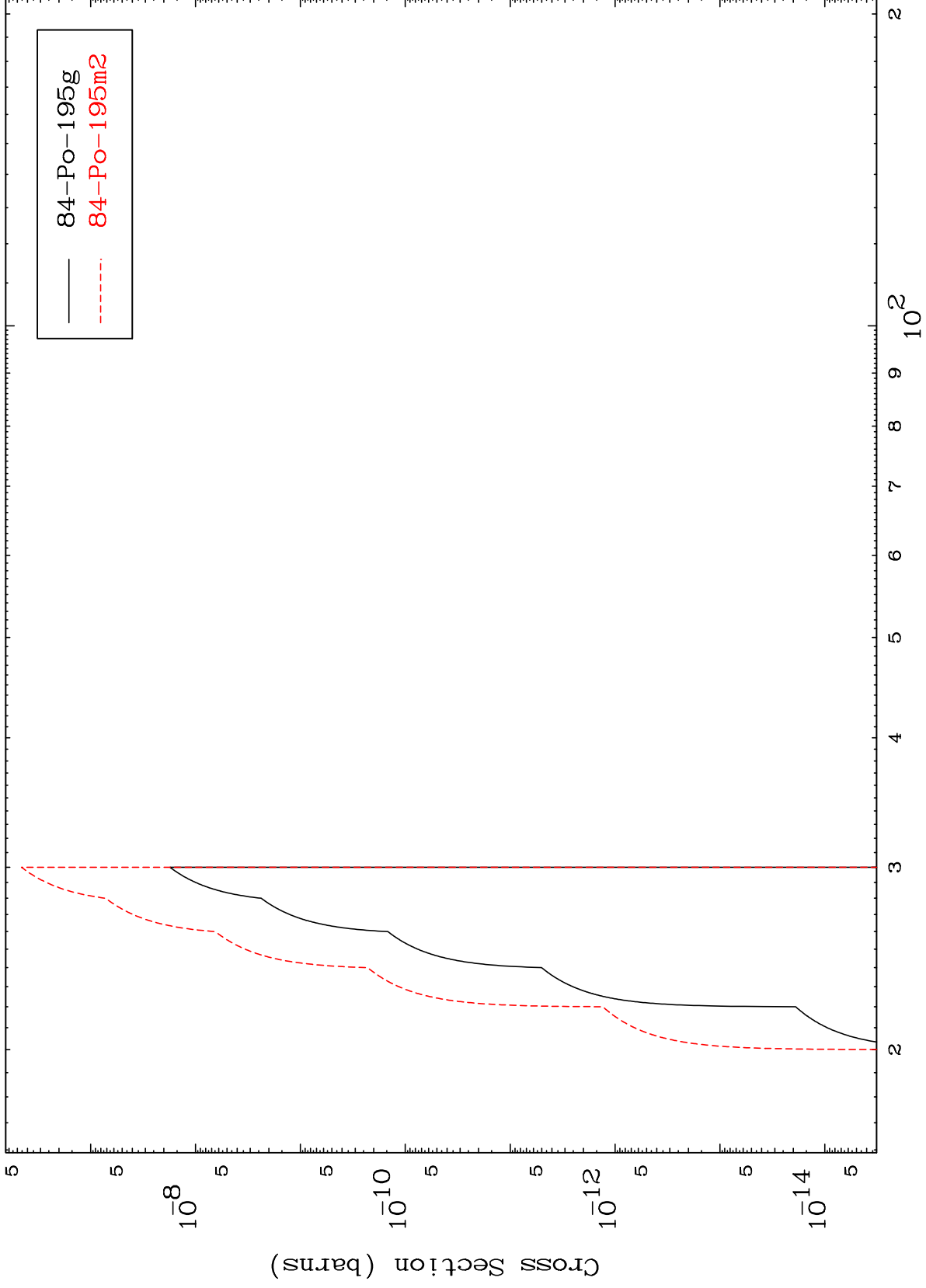


16

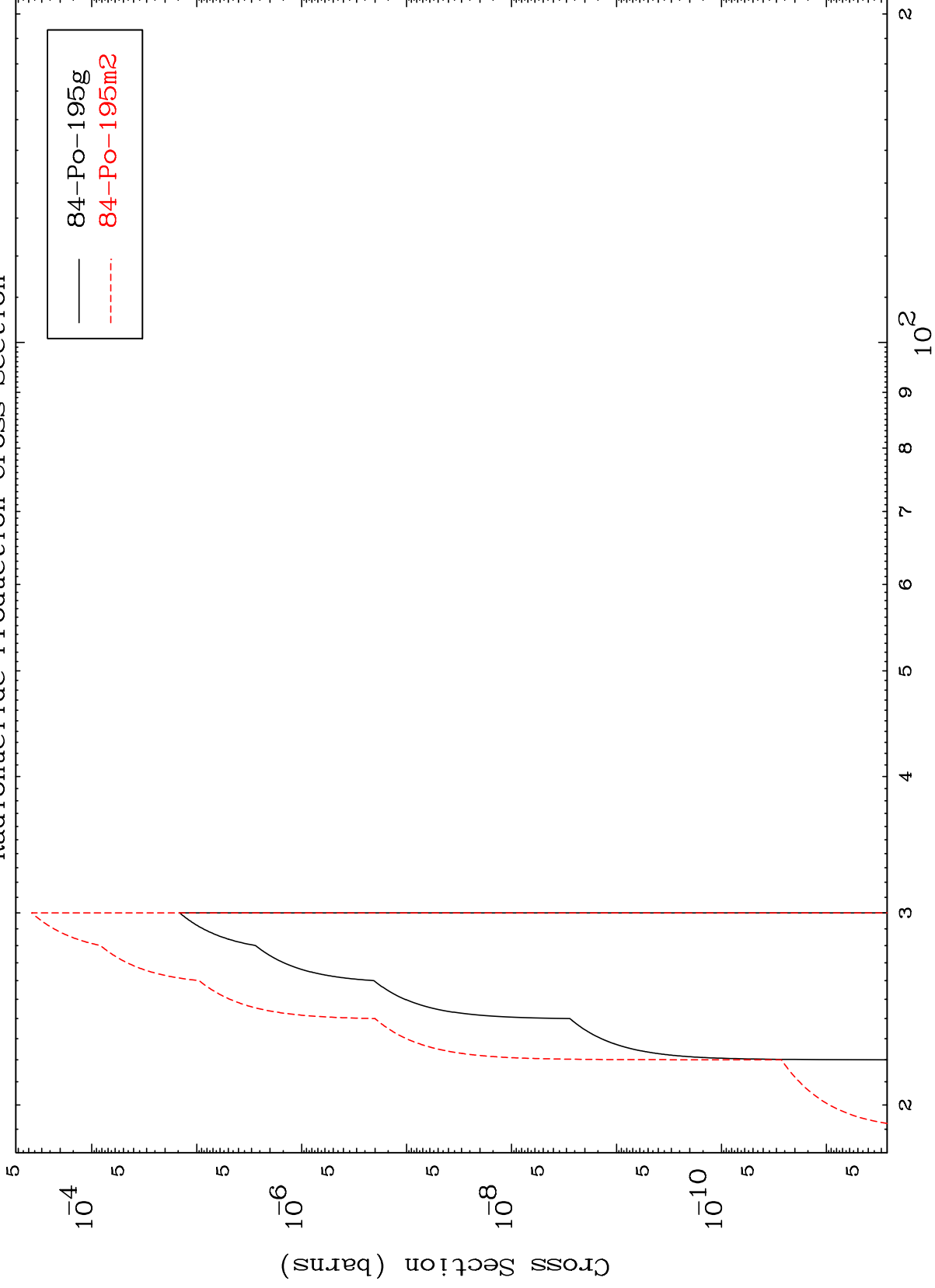
Incident Energy (MeV)

85-At-198

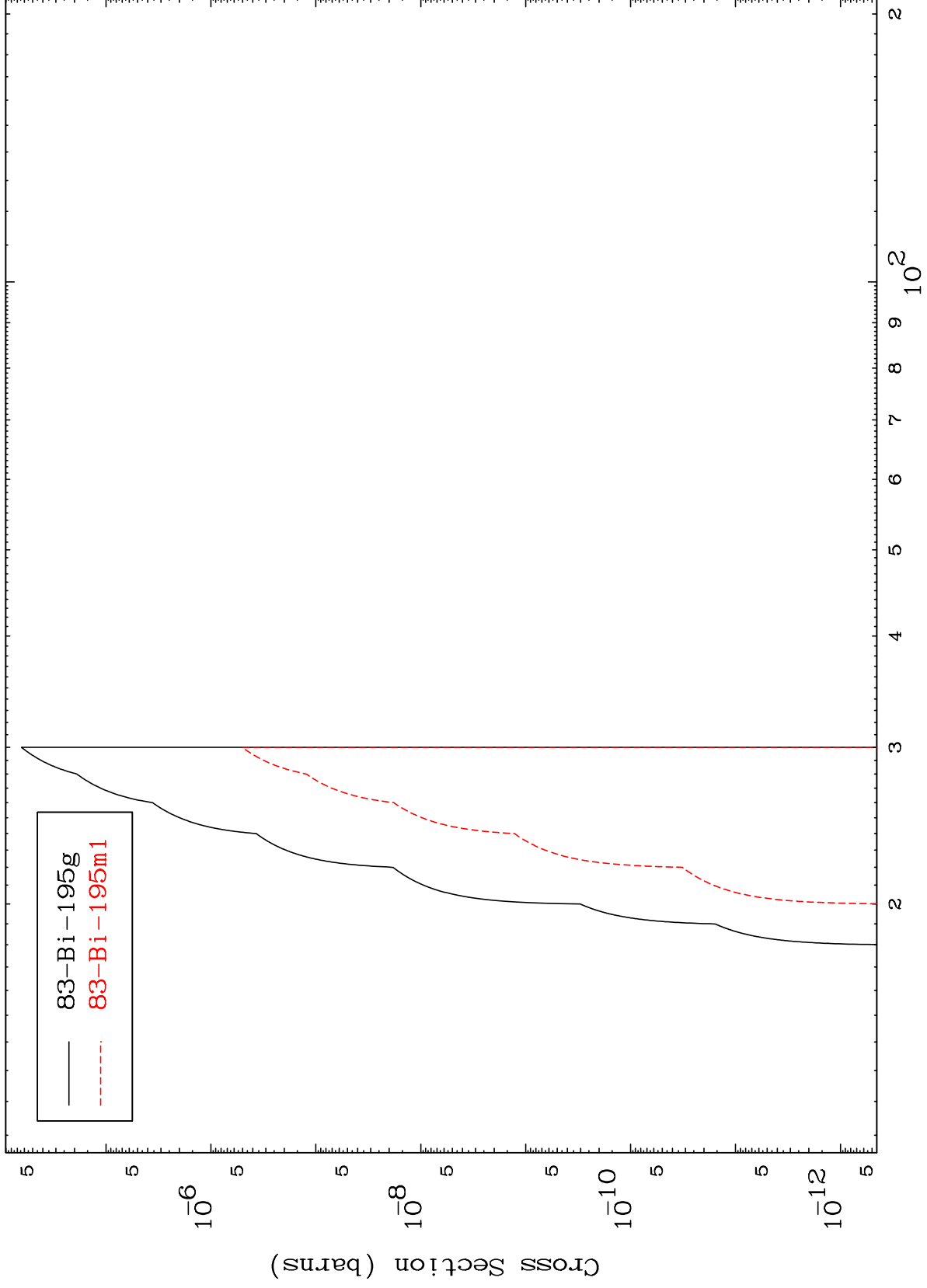
$(\gamma, n')$  d  
Radionuclide Production Cross Section



Radionuclide Production Cross Section



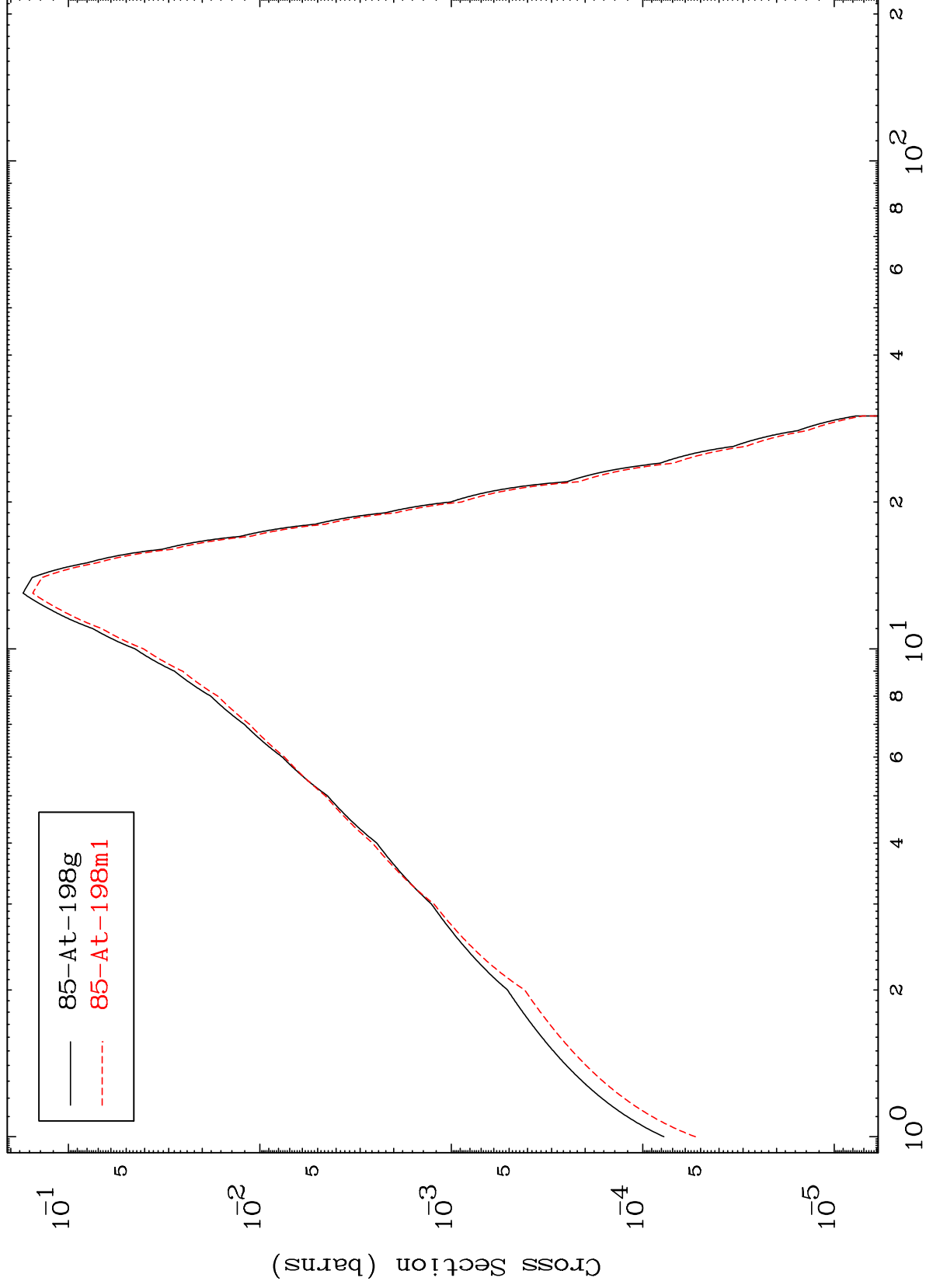
Radionuclide Production Cross Section



MAT 8511

85-At-198

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



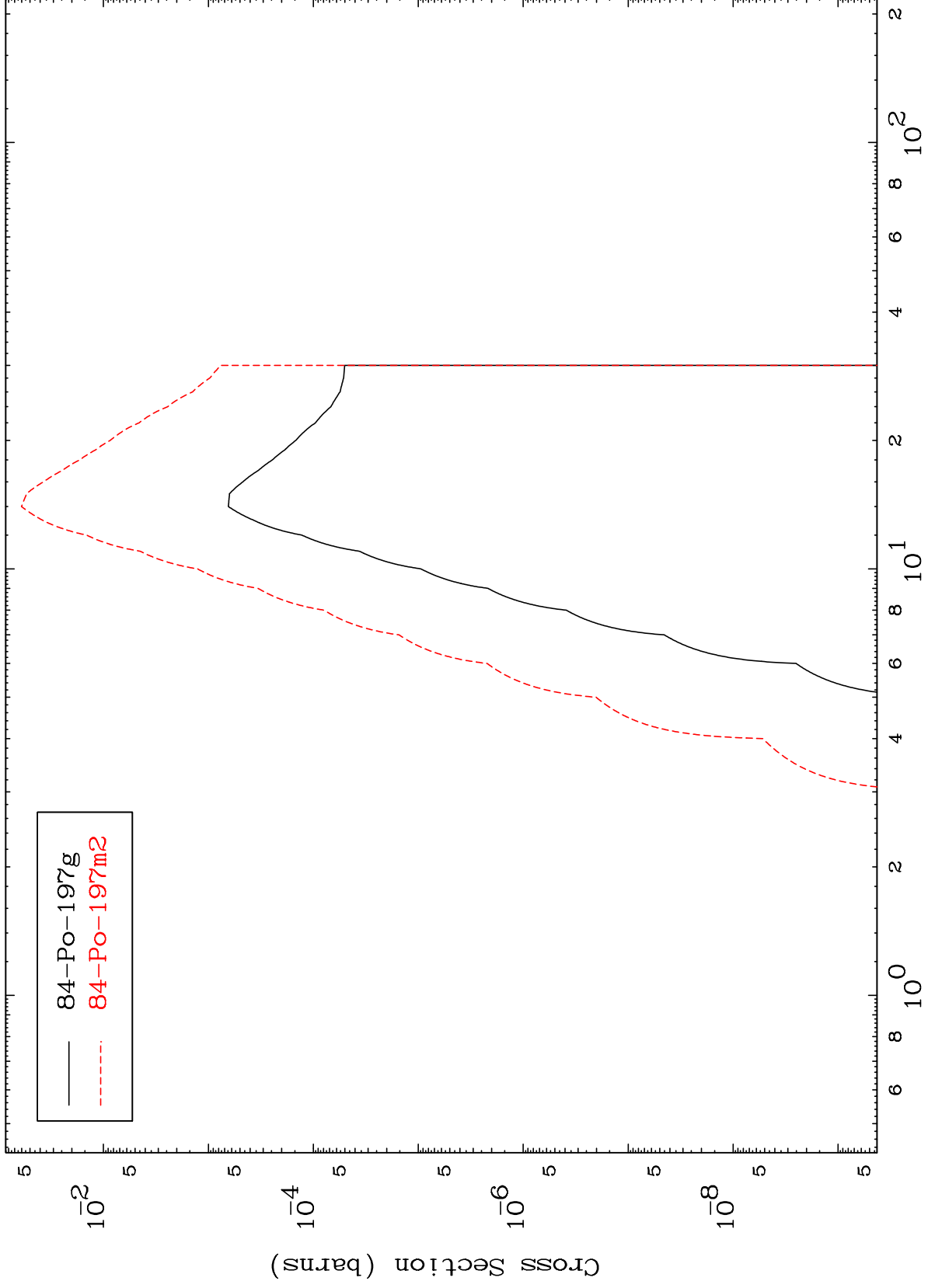
Incident Energy (MeV)

85-At-198

MAT 8511

85-At-198

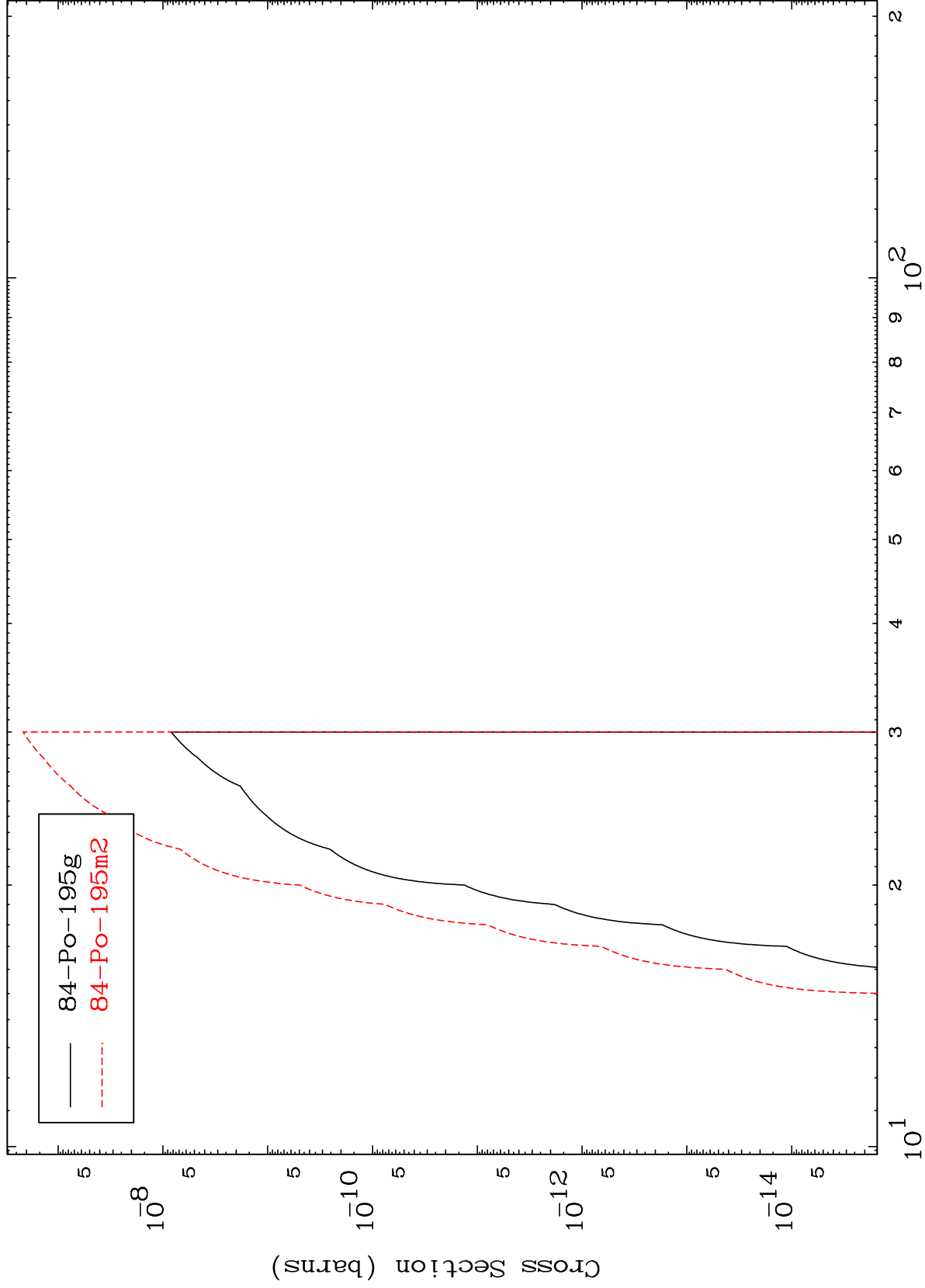
( $\gamma, p$ )  
Radionuclide Production Cross Section



MAT 8511

85-At-198

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



85-At-198

Incident Energy (MeV)

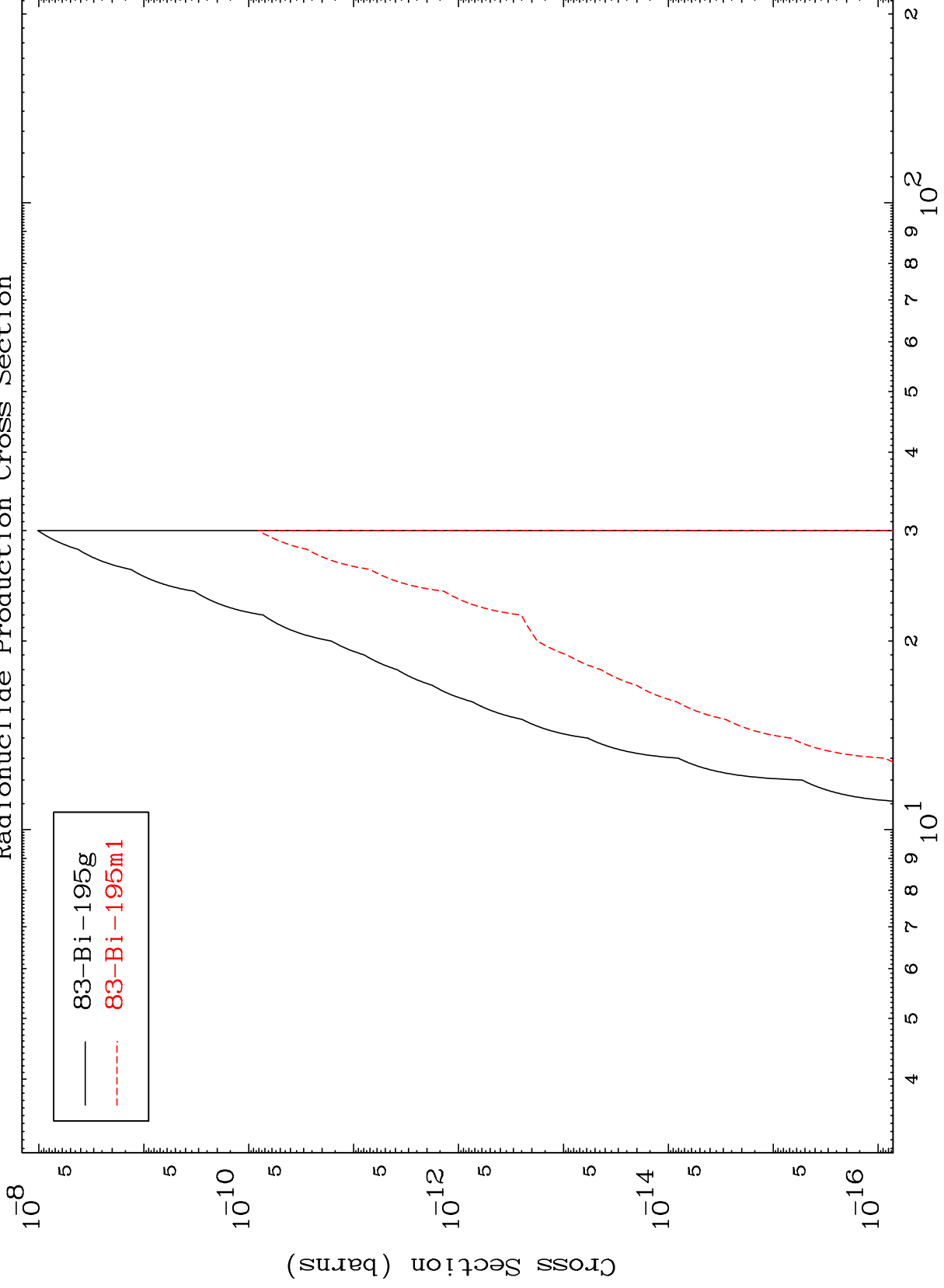
22

MAT 8511

( $\gamma, \text{He-3}$ )

85-At-198

Radionuclide Production Cross Section



23

Incident Energy (MeV)

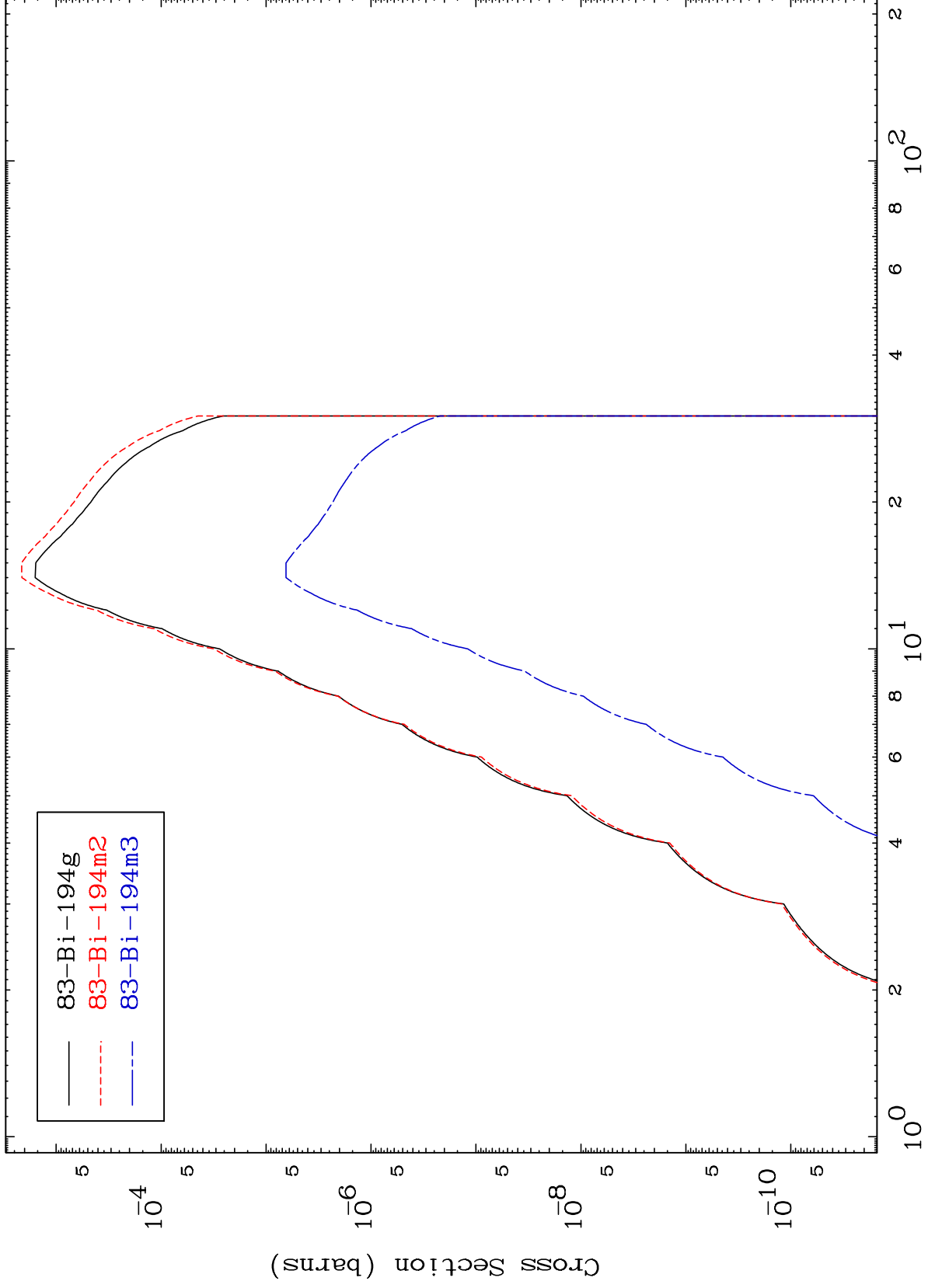
85-At-198



MAT 8511

85-At-198

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



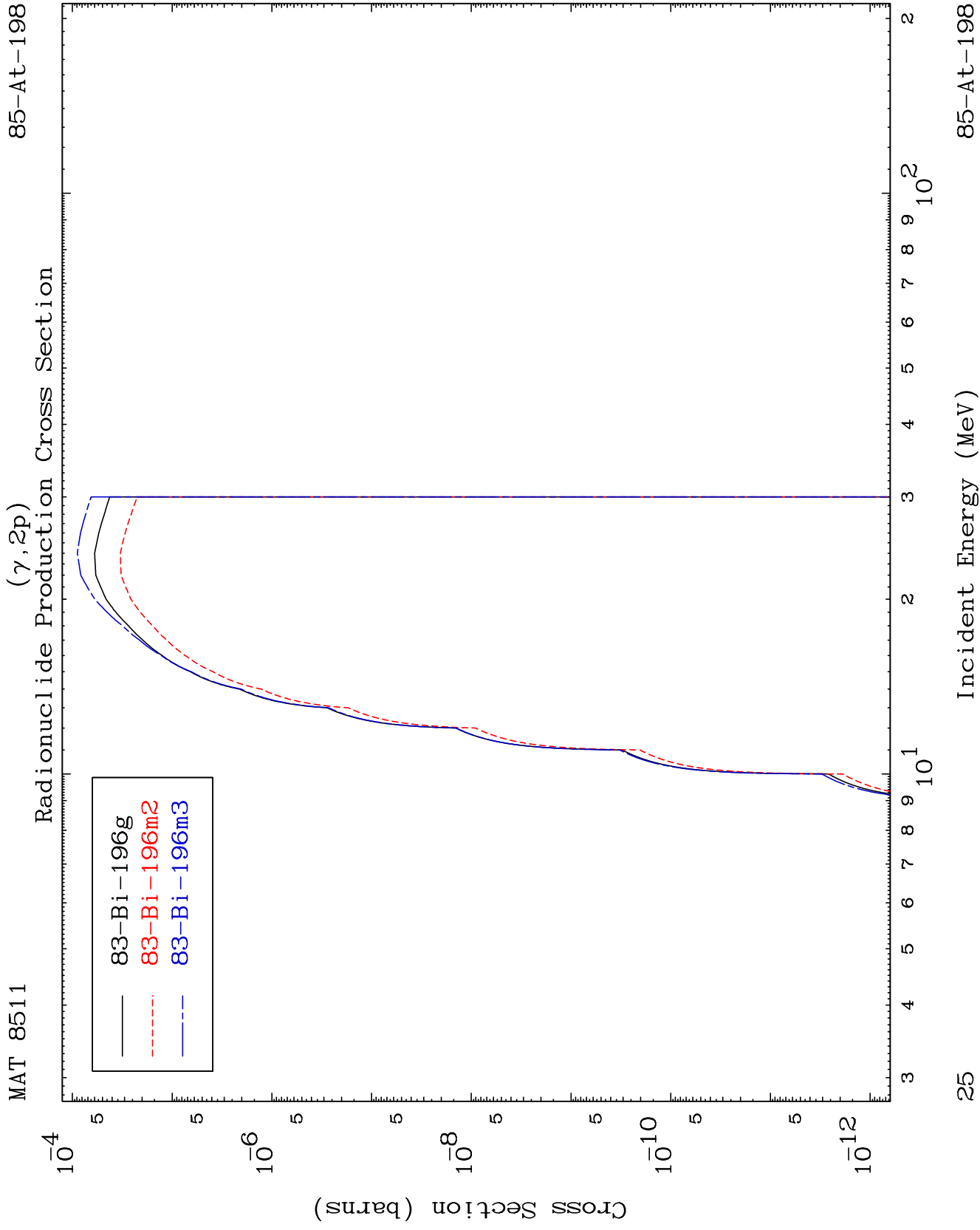
Incident Energy (MeV)

85-At-198

24

MAT 8511

85-At-198



25

Incident Energy (MeV)

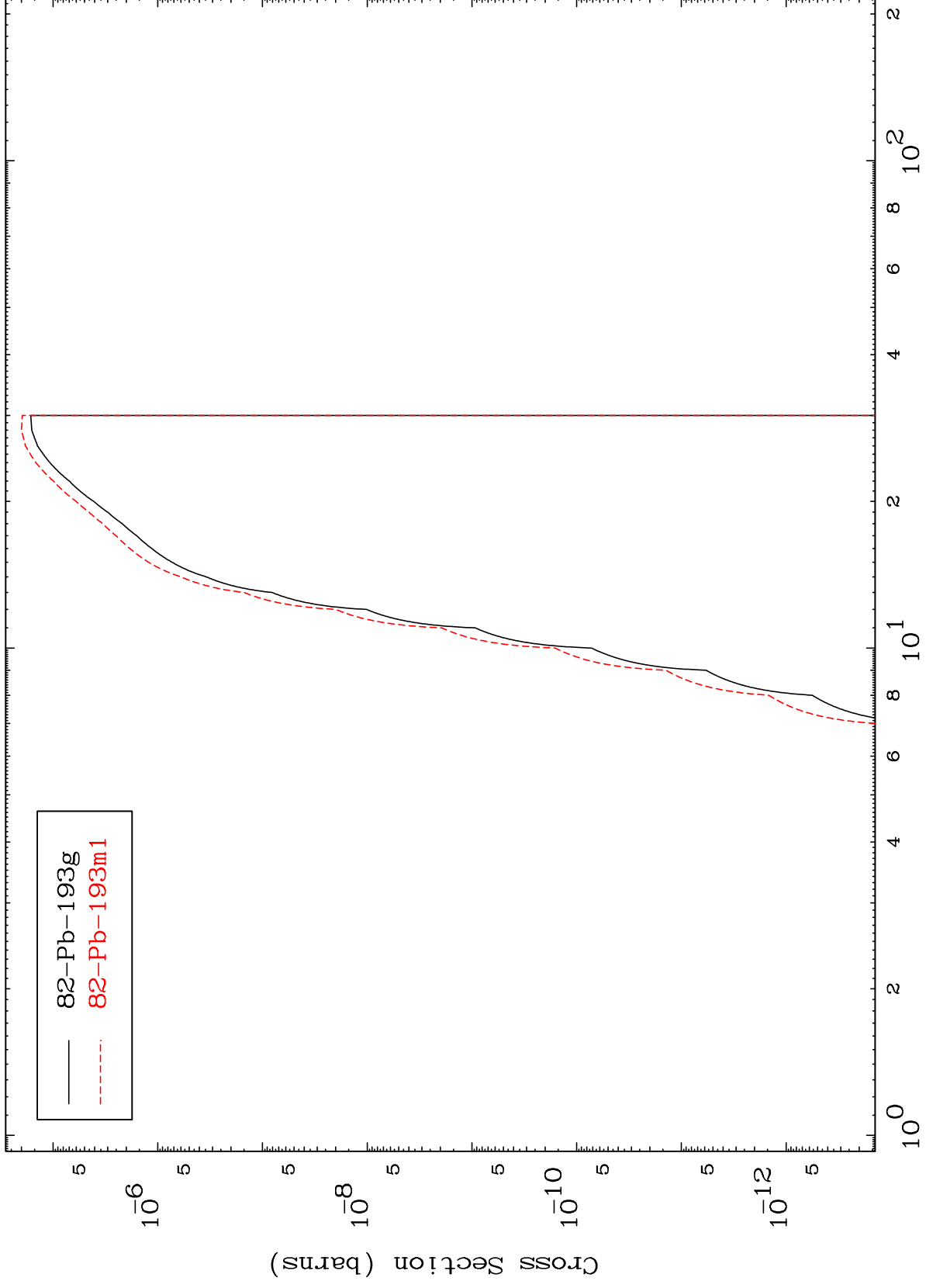
85-At-198

MAT 8511

( $\gamma, p$ )  $\alpha$

85-At-198

Radionuclide Production Cross Section



82-Pb-193g  
82-Pb-193m1

26

Incident Energy (MeV)

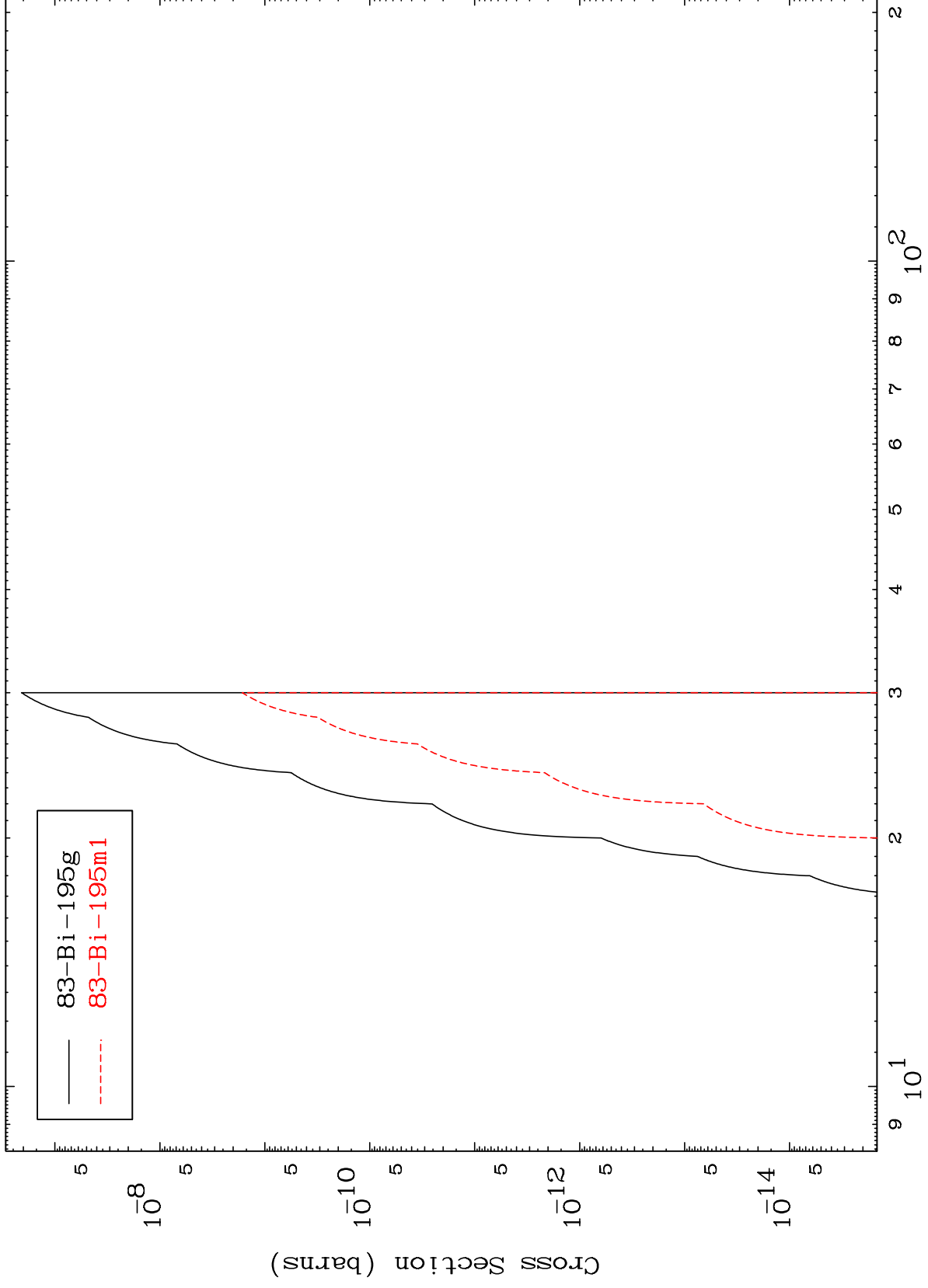
85-At-198

MAT 8511

( $\gamma, p$ ) d

85-At-198

Radionuclide Production Cross Section



27

Incident Energy (MeV)

85-At-198