

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

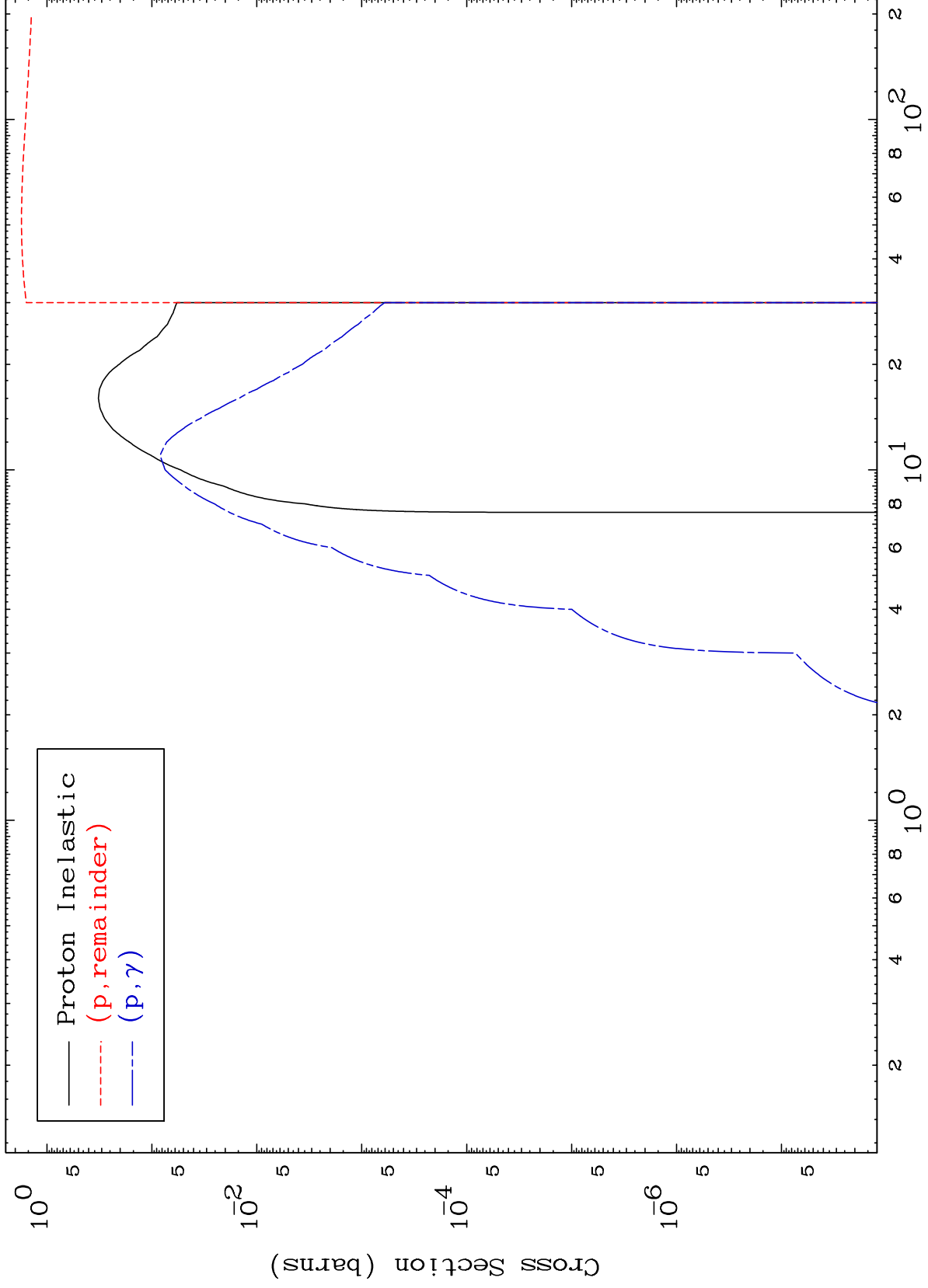
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Livermore, CA 94550  
U.S.A.

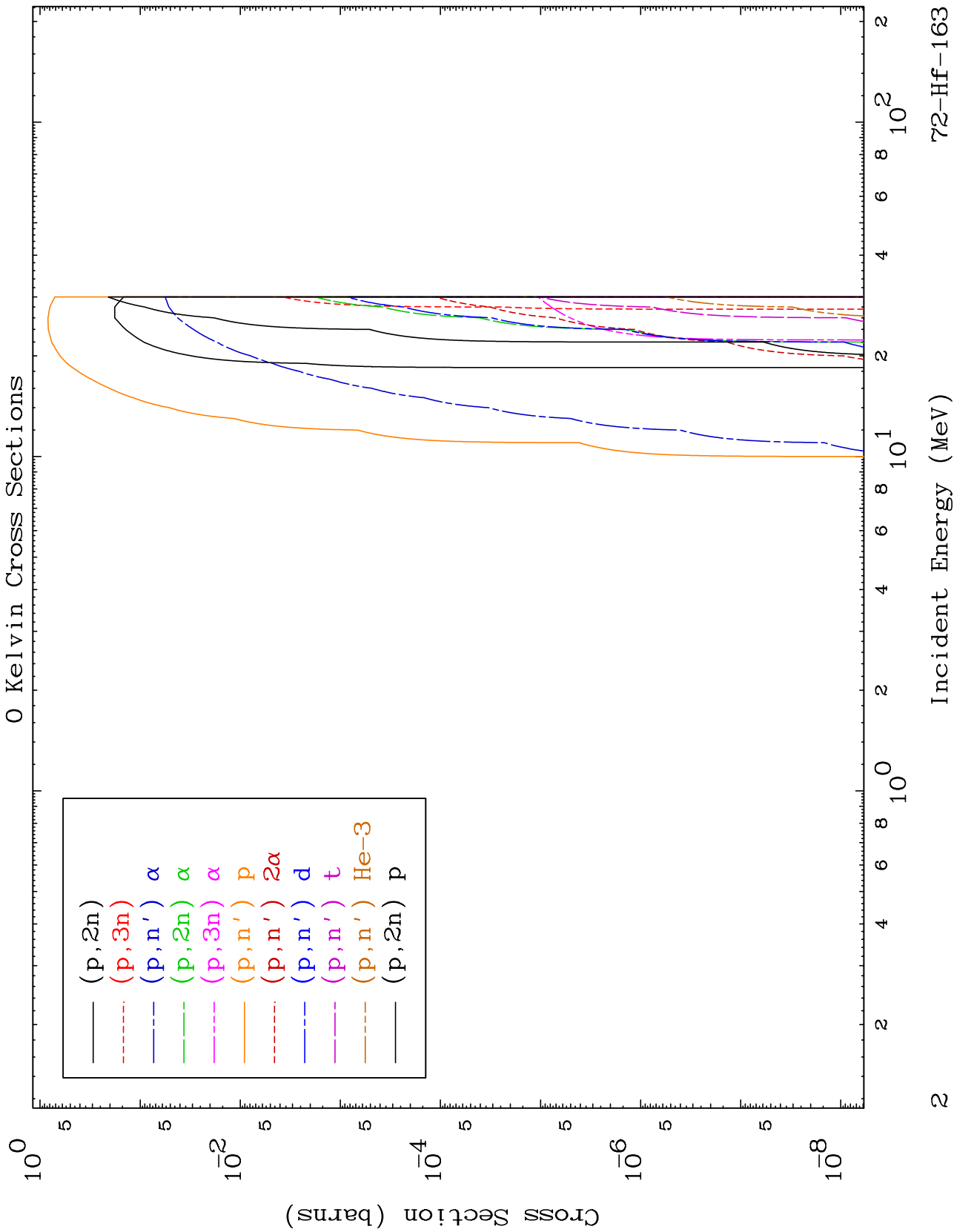
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

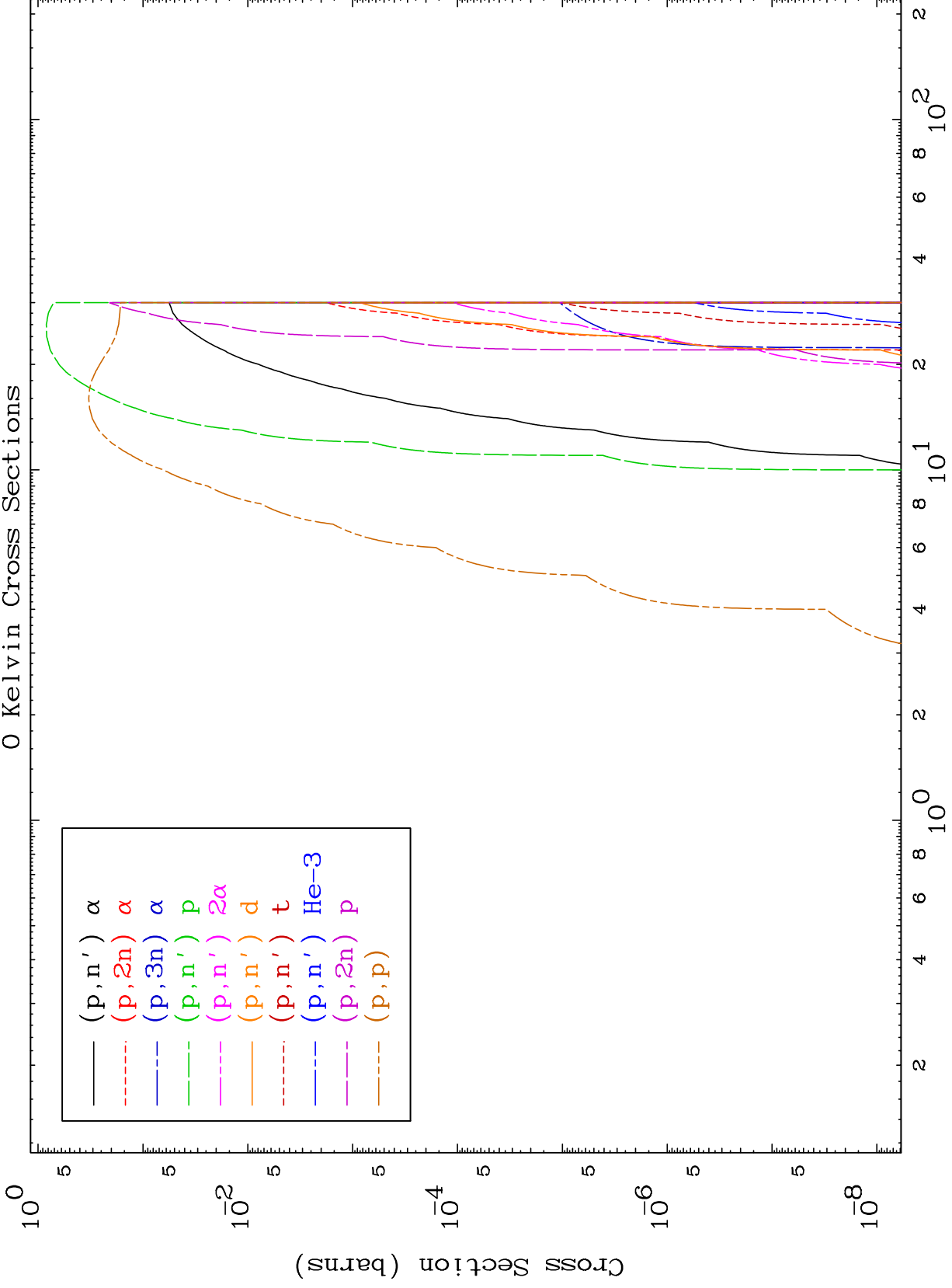




MAT 7192

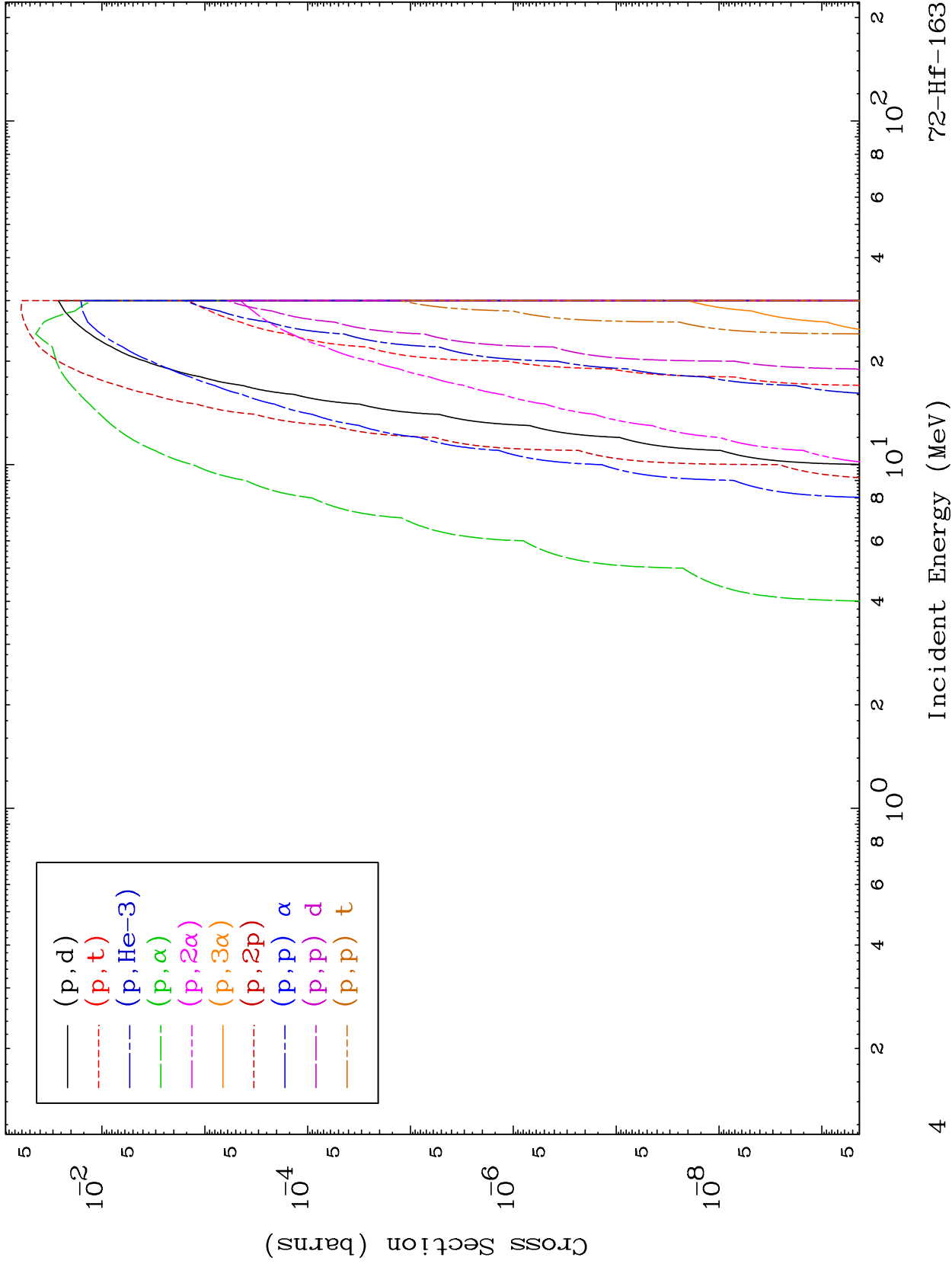
Proton Charged Particle  
0 Kelvin Cross Sections

72-Hf-163



Incident Energy (MeV)

72-Hf-163

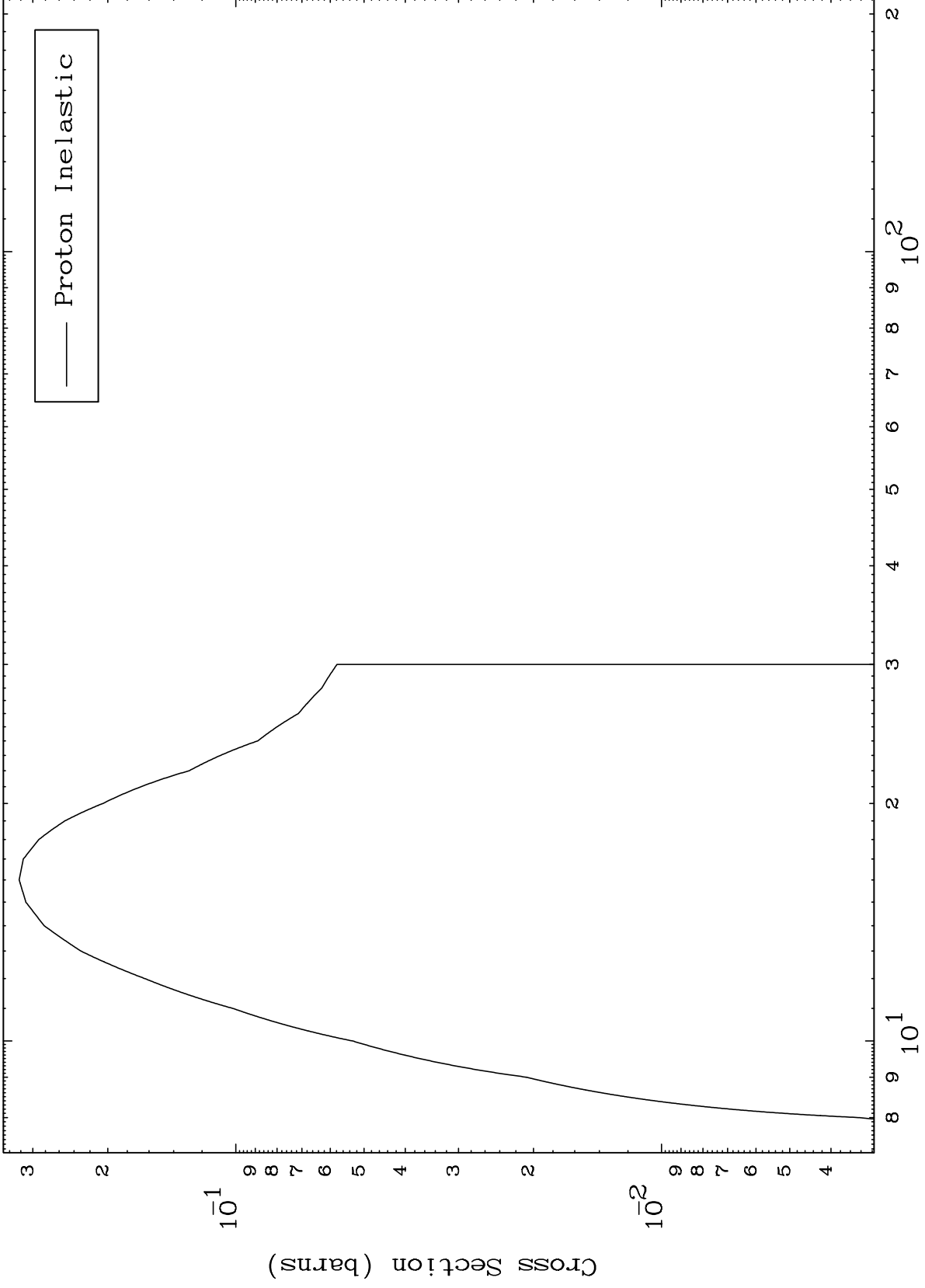


MAT 7192

(p,n') Level

72-Hf-163

0 Kelvin Cross Sections



Proton Inelastic

Incident Energy (MeV)

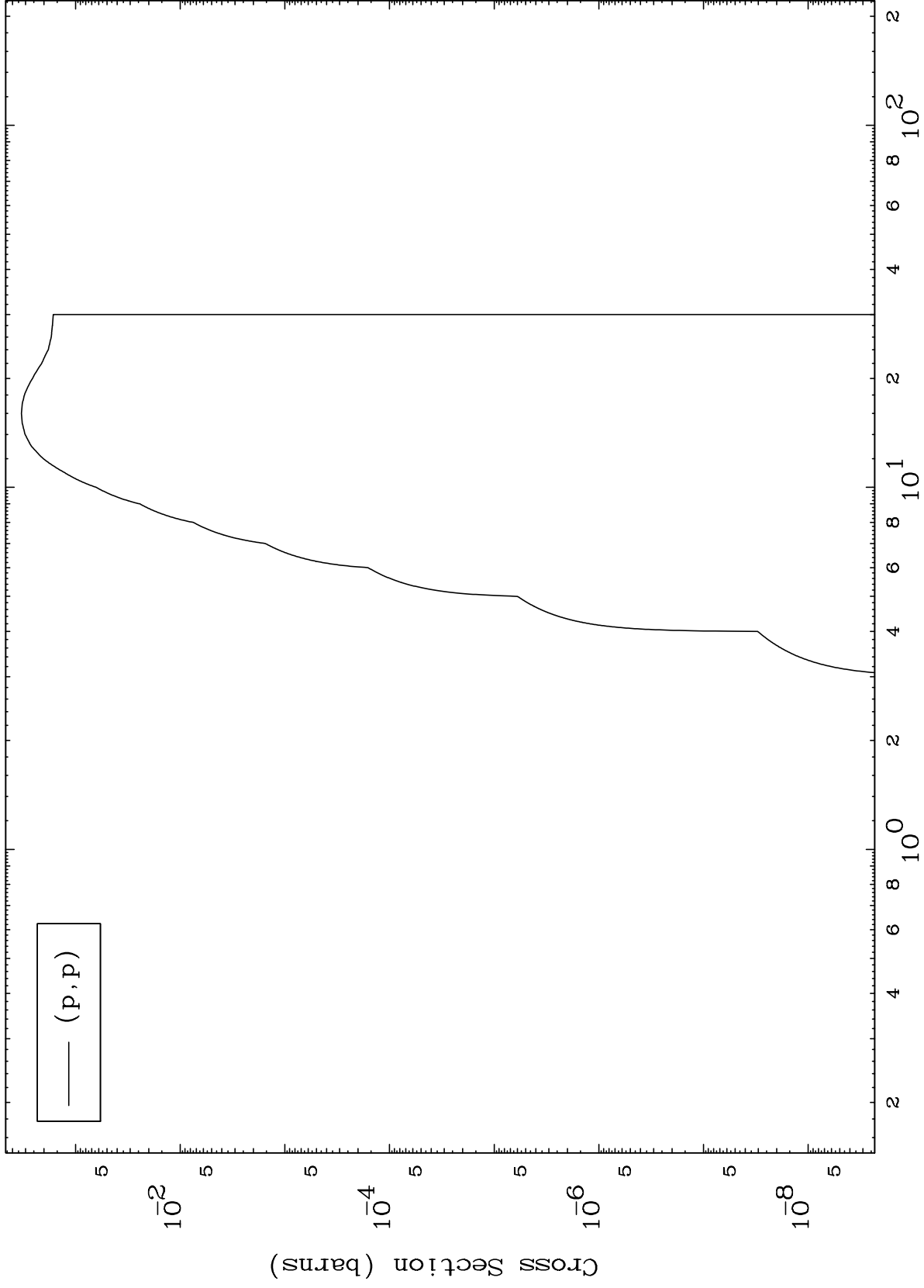
72-Hf-163

5

MAT 7192

(p,p) Levels  
0 Kelvin Cross Sections

72-Hf-163



6

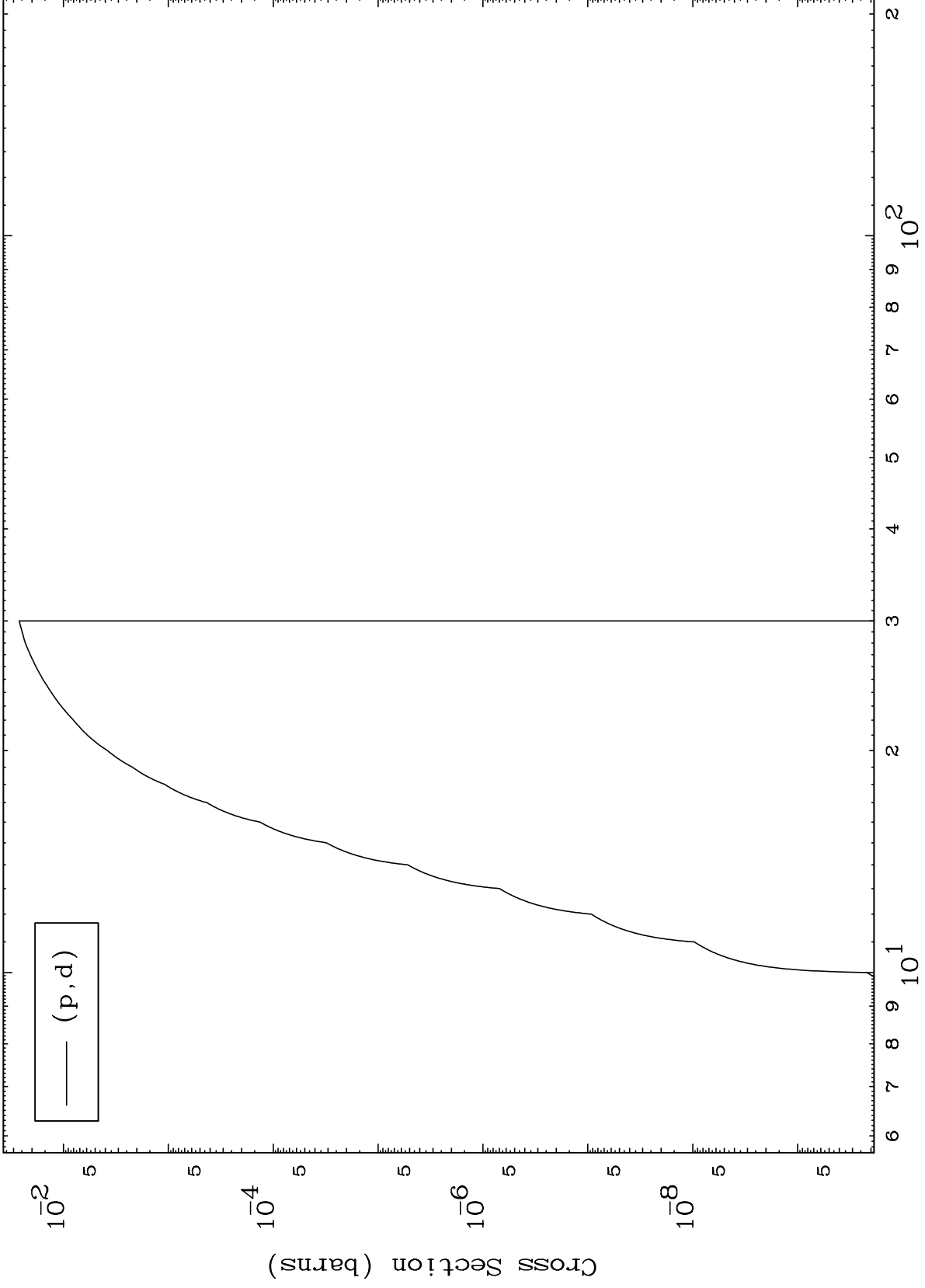
Incident Energy (MeV)

72-Hf-163

MAT 7192

(p,d) Levels  
0 Kelvin Cross Sections

72-Hf-163

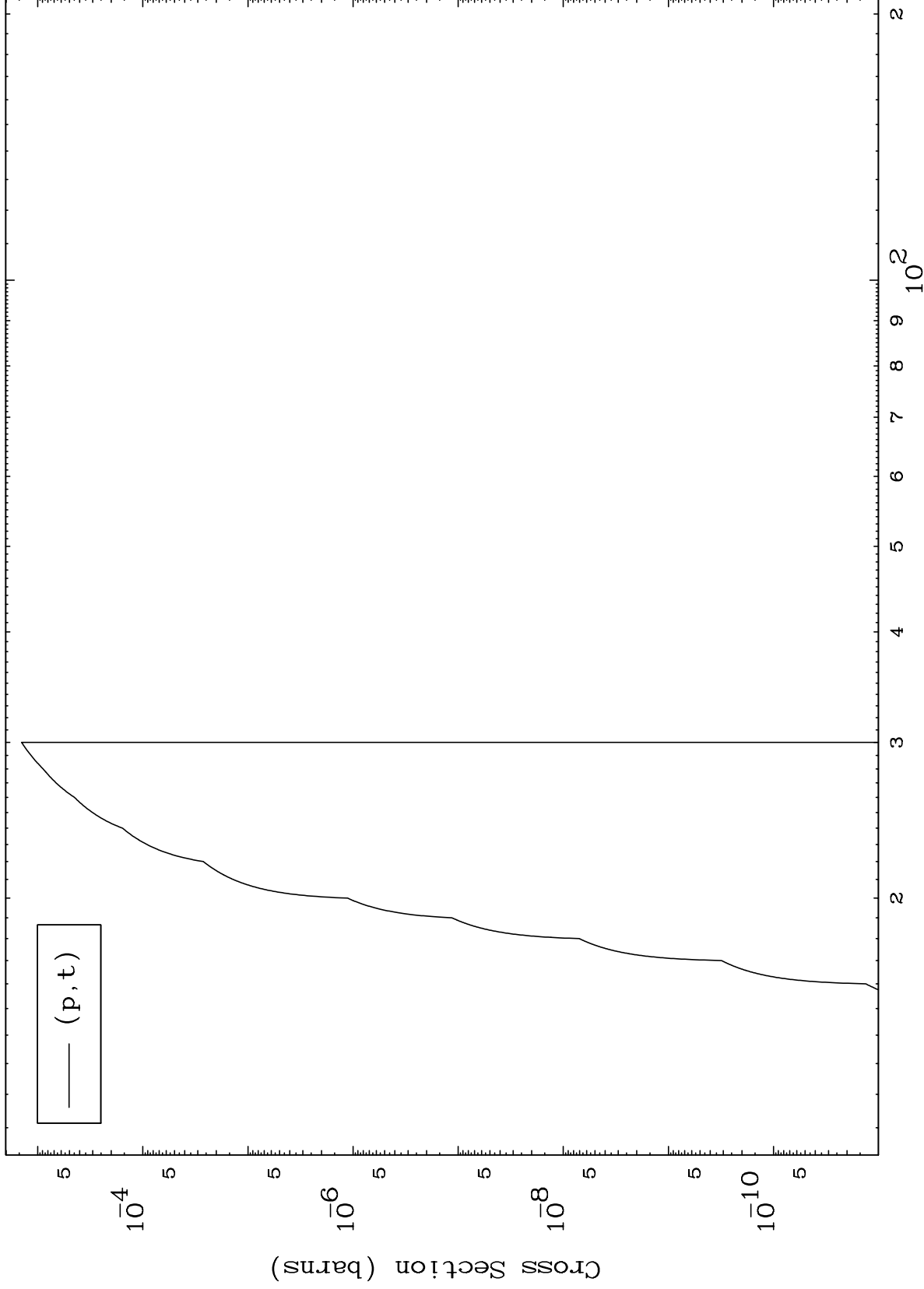


7

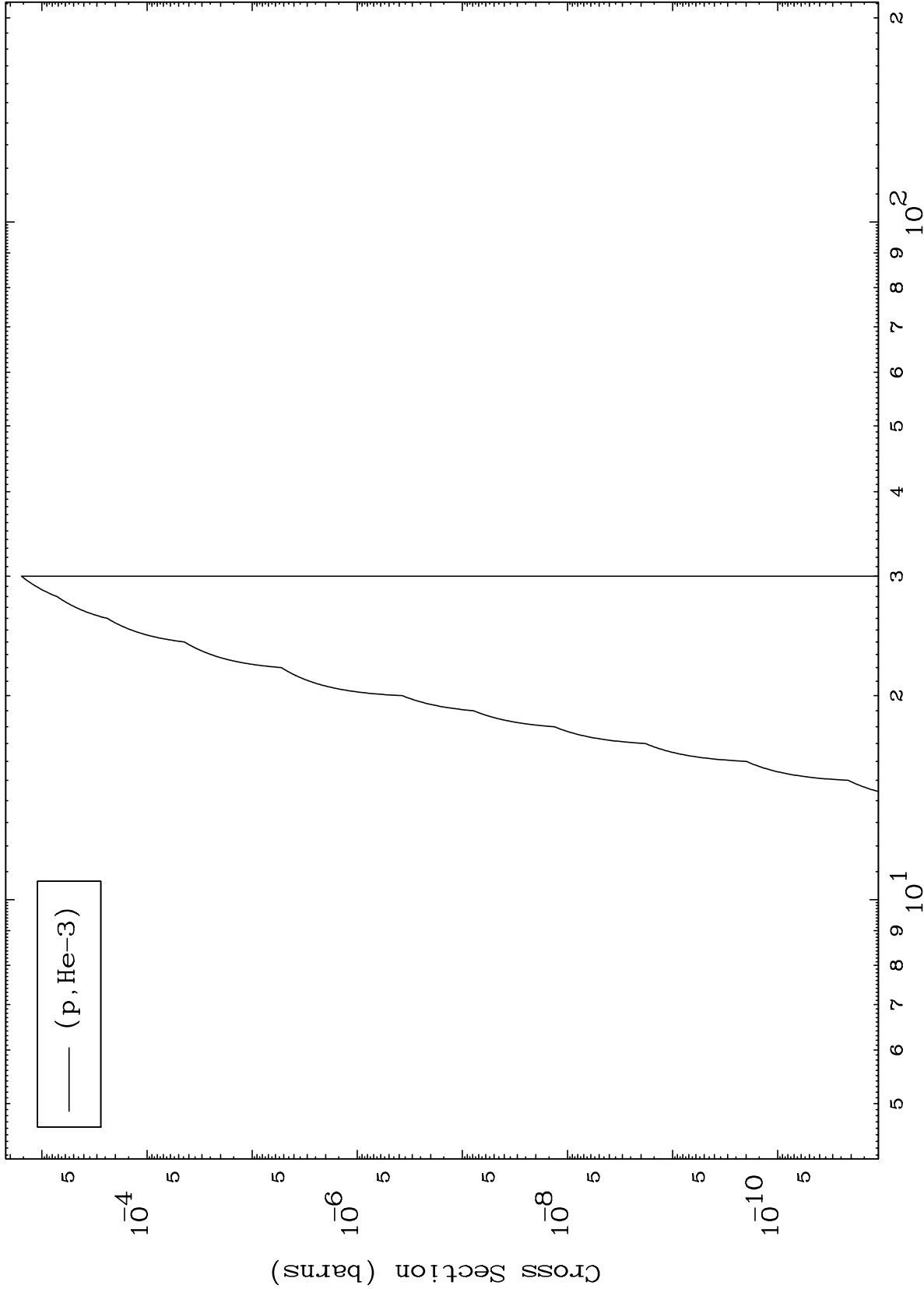
Incident Energy (MeV)

72-Hf-163





(p,He3) Levels  
0 Kelvin Cross Sections

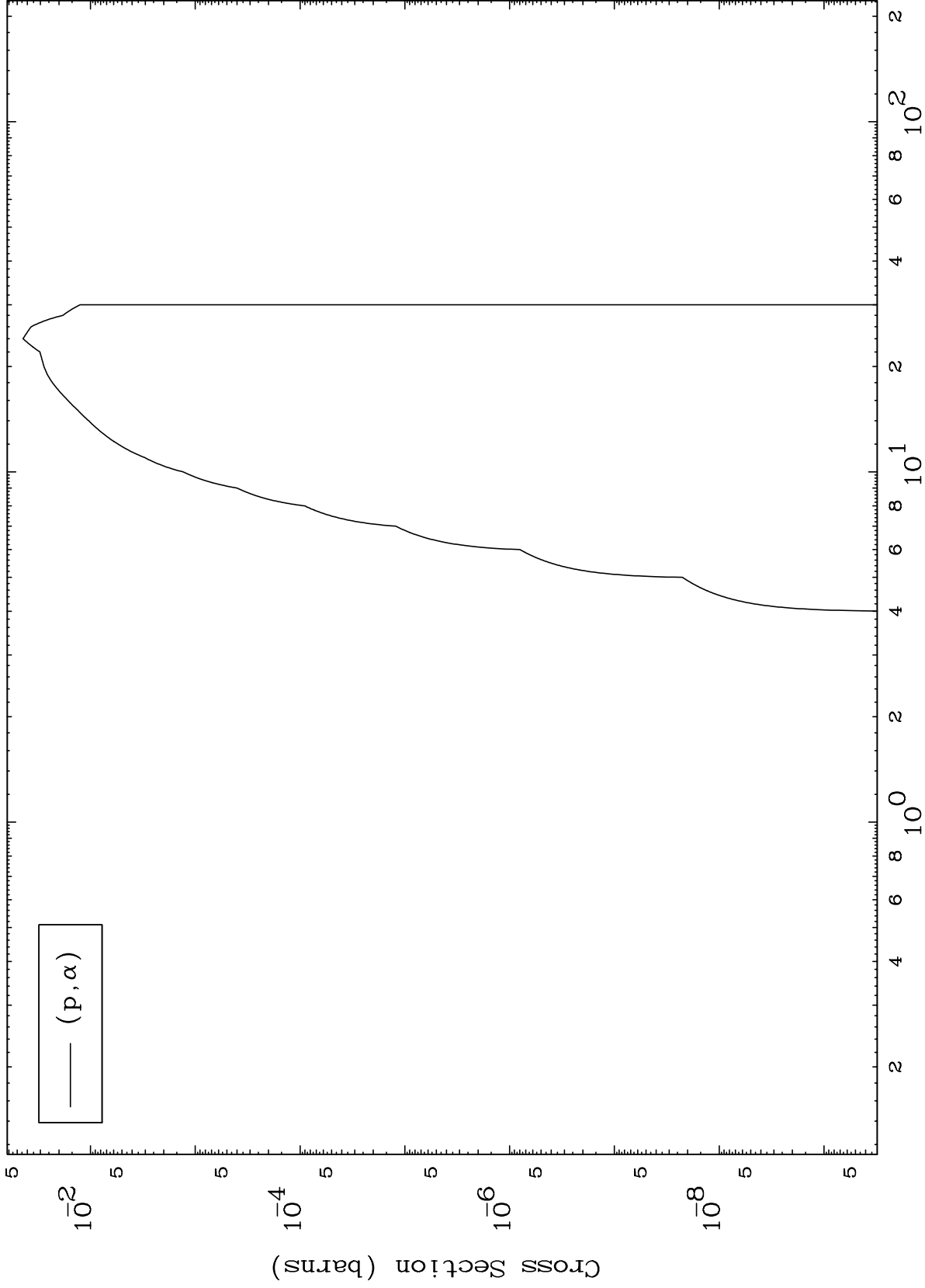


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(p,  $\alpha$ ) Levels

72-Hf-163

0 Kelvin Cross Sections



10

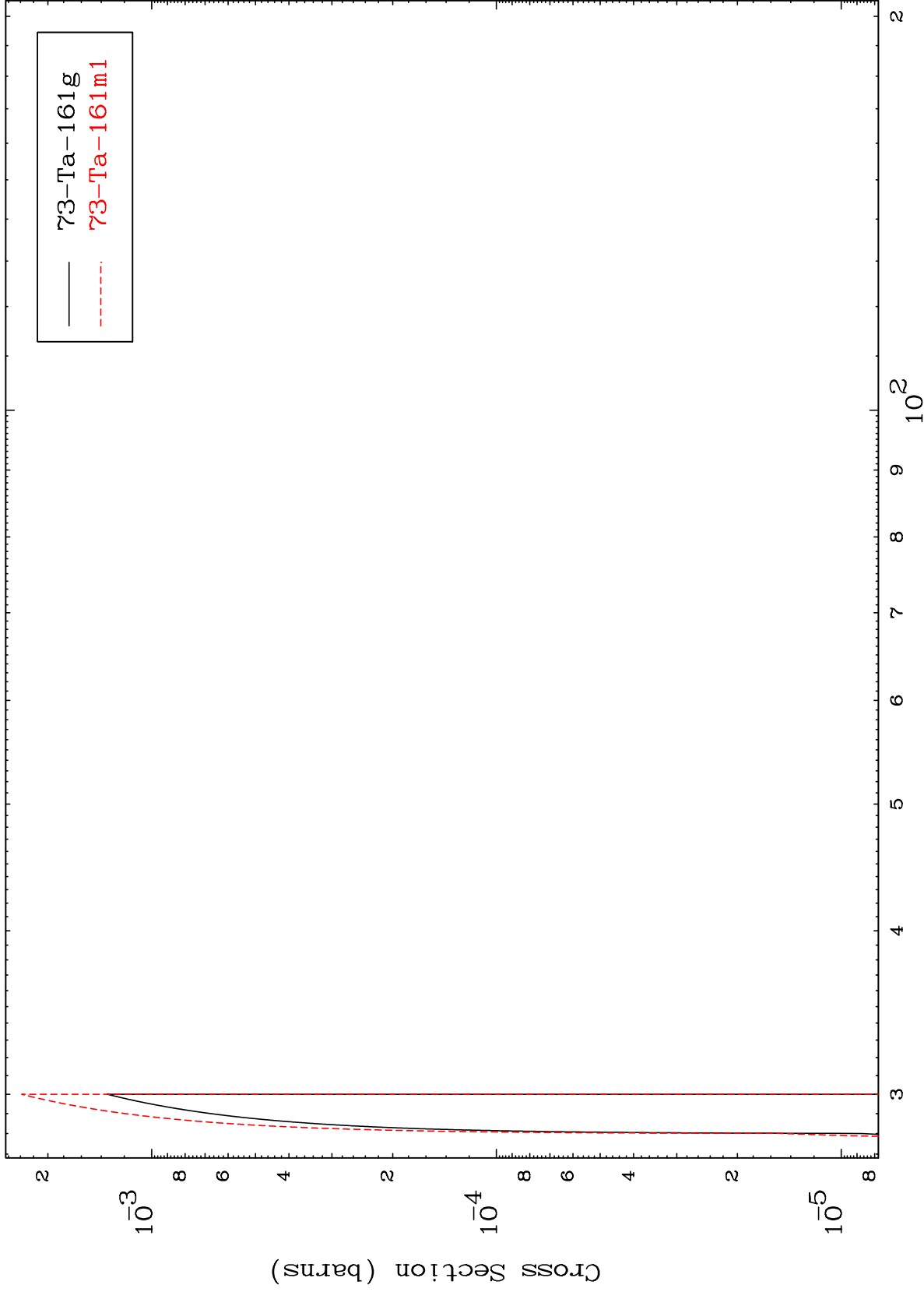
Incident Energy (MeV)

72-Hf-163

MAT 7192

72-Hf-163

(p,3n)  
Radionuclide Production Cross Section



11

72-Hf-163

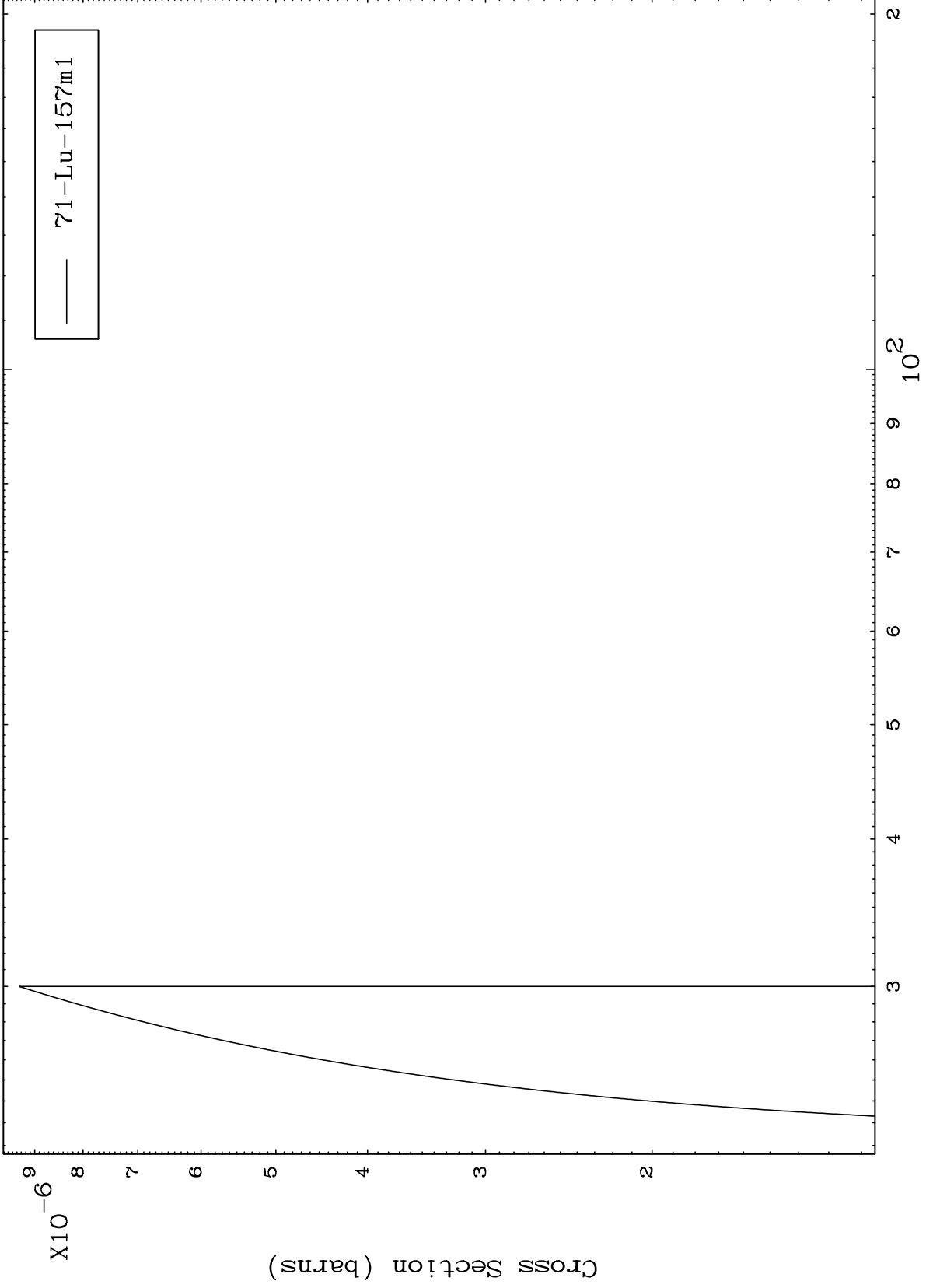
Incident Energy (MeV)

MAT 7192

(p,3n)  $\alpha$

72-Hf-163

Radionuclide Production Cross Section



12

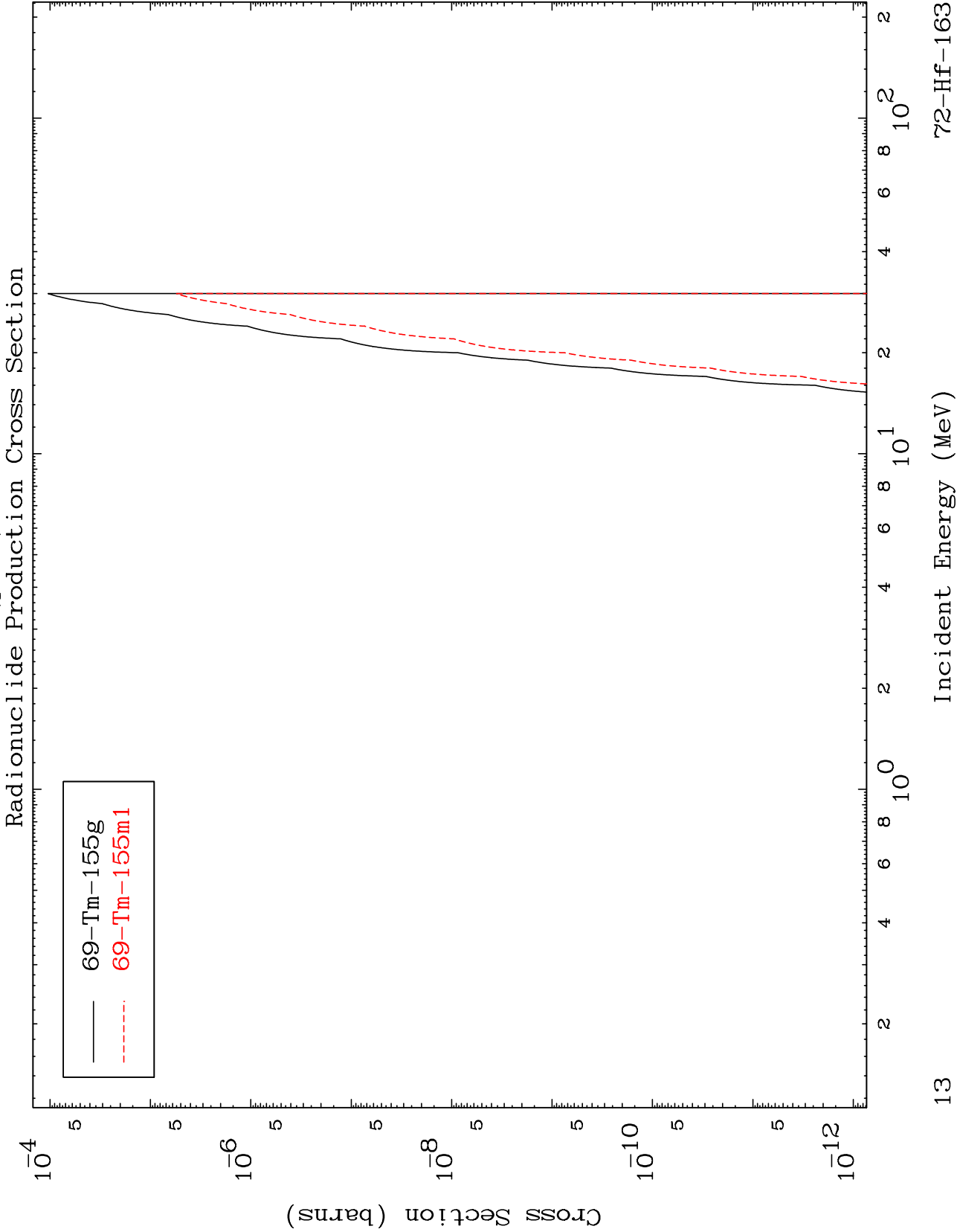
Incident Energy (MeV)

72-Hf-163

MAT 7192

(p,n') 2 $\alpha$

72-Hf-163



13

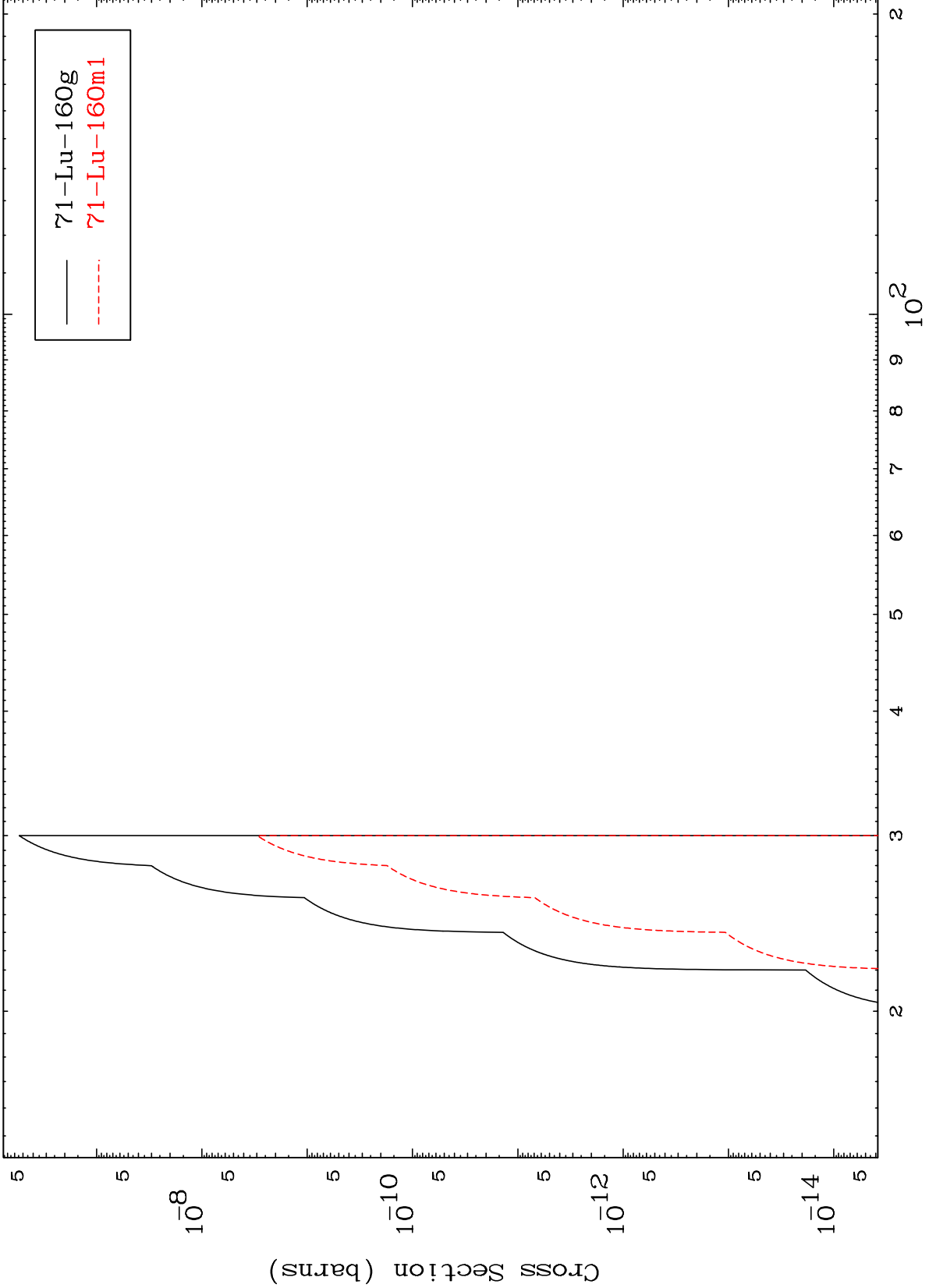
72-Hf-163

MAT 7192

(p,n') He-3

72-Hf-163

Radionuclide Production Cross Section



14

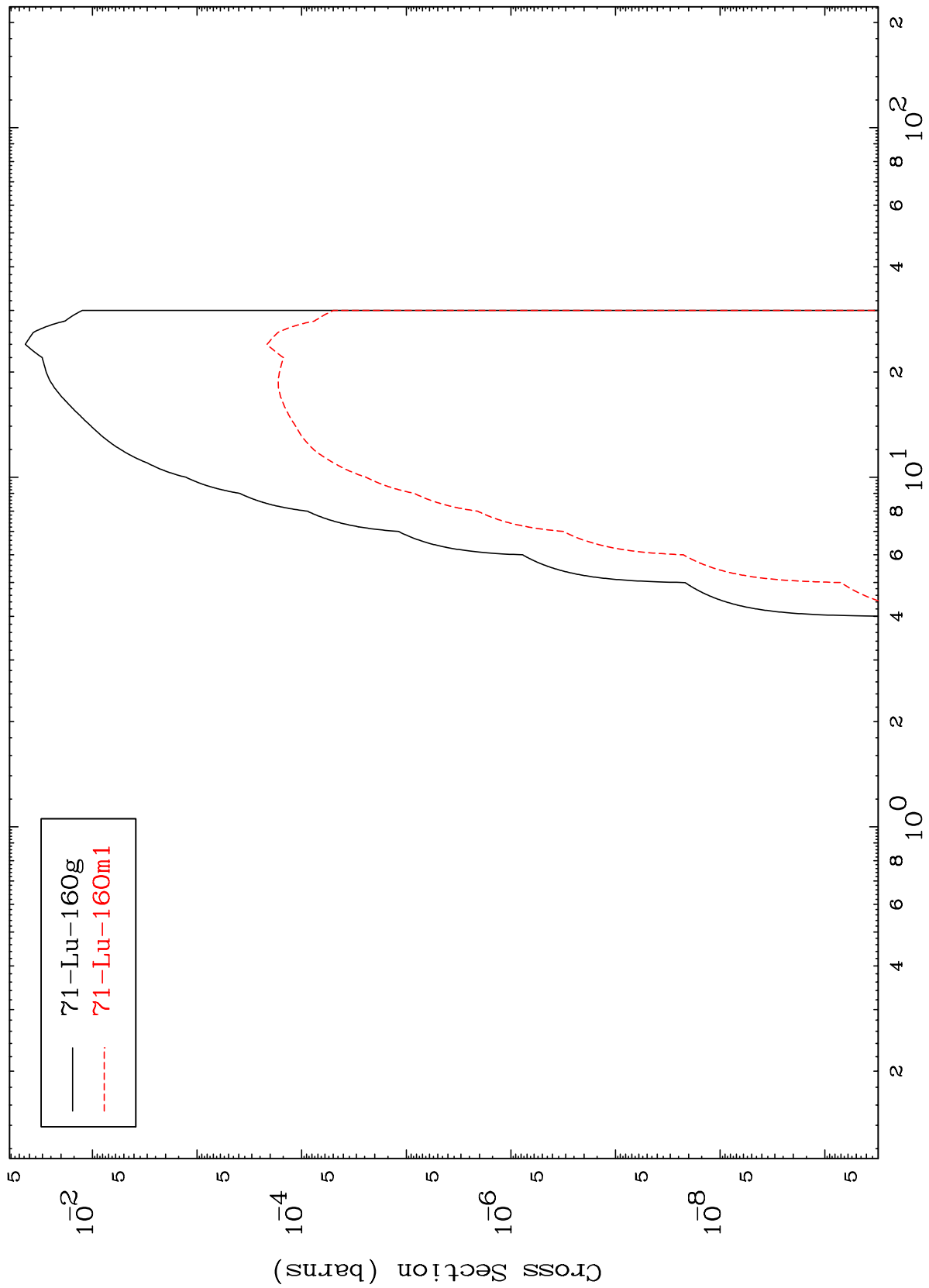
Incident Energy (MeV)

72-Hf-163

MAT 7192

72-Hf-163

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



71-Lu-160g  
71-Lu-160m1

72-Hf-163

Incident Energy (MeV)

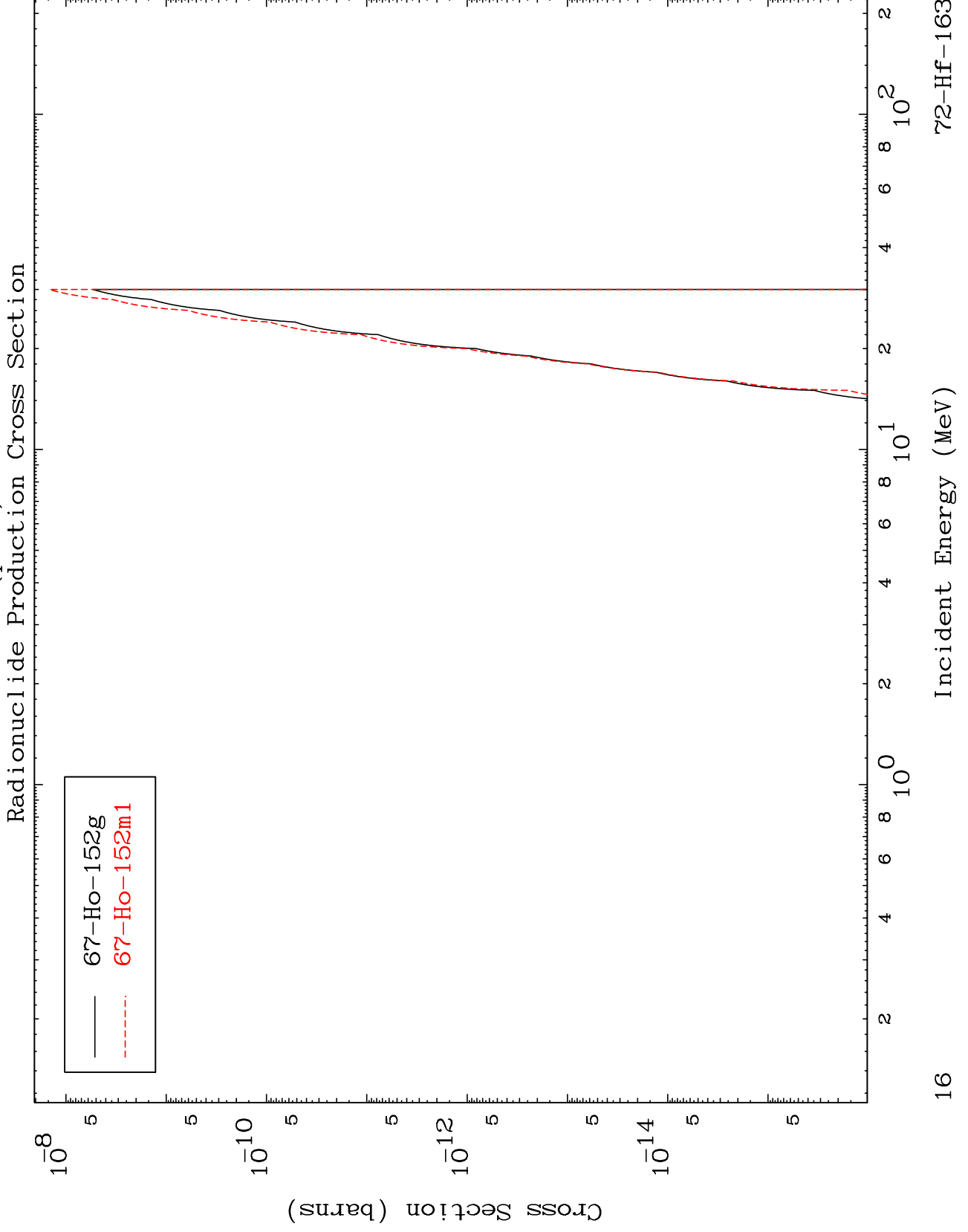
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MAT 7192

(p,3 $\alpha$ )

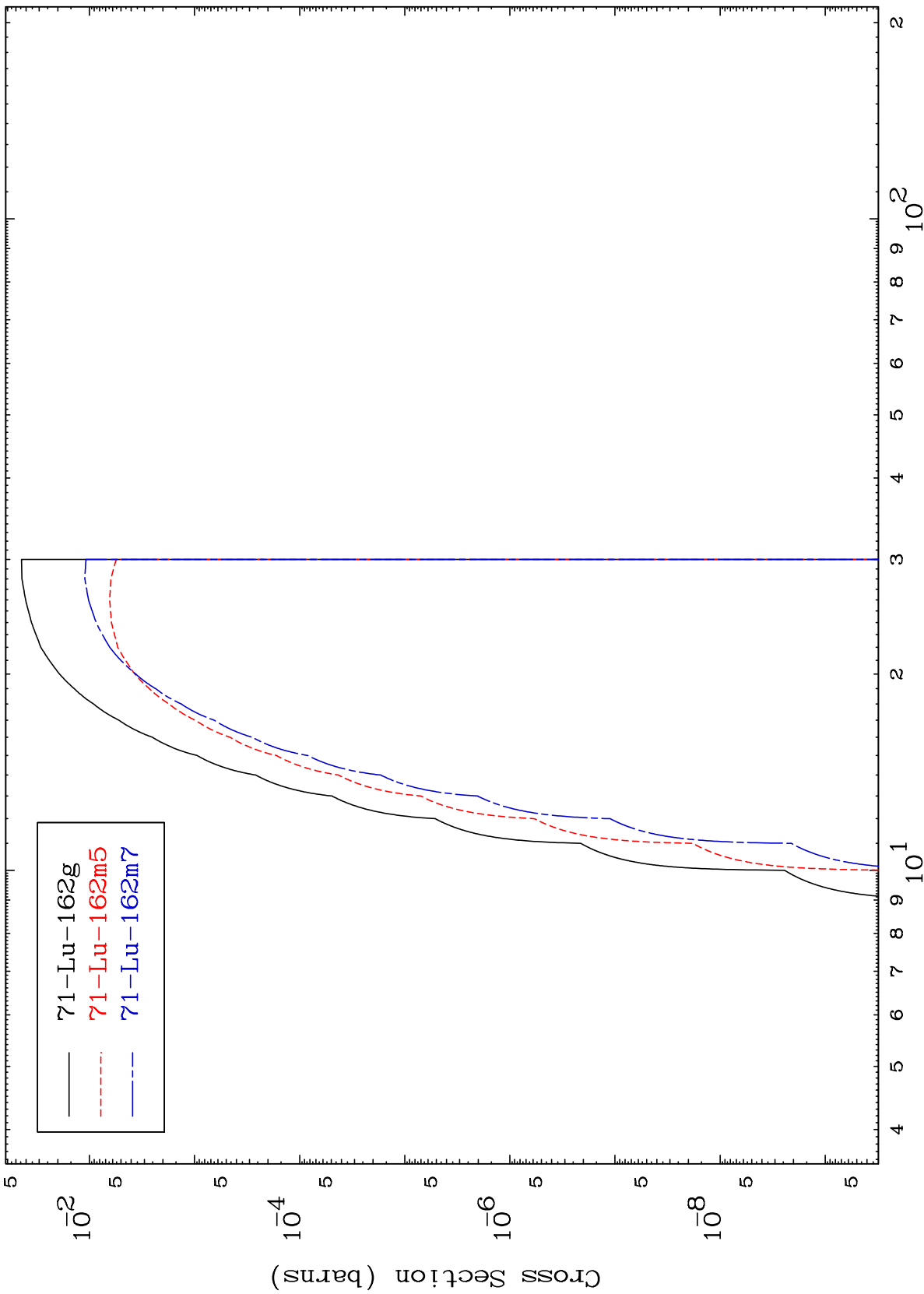
72-Hf-163



MAT 7192

72-Hf-163

Radionuclide Production Cross Section  
(p,2p)



72-Hf-163

Incident Energy (MeV)

17

Radionuclide Production Cross Section

