

Program EVALPLOT  
(Version 2018-1)

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

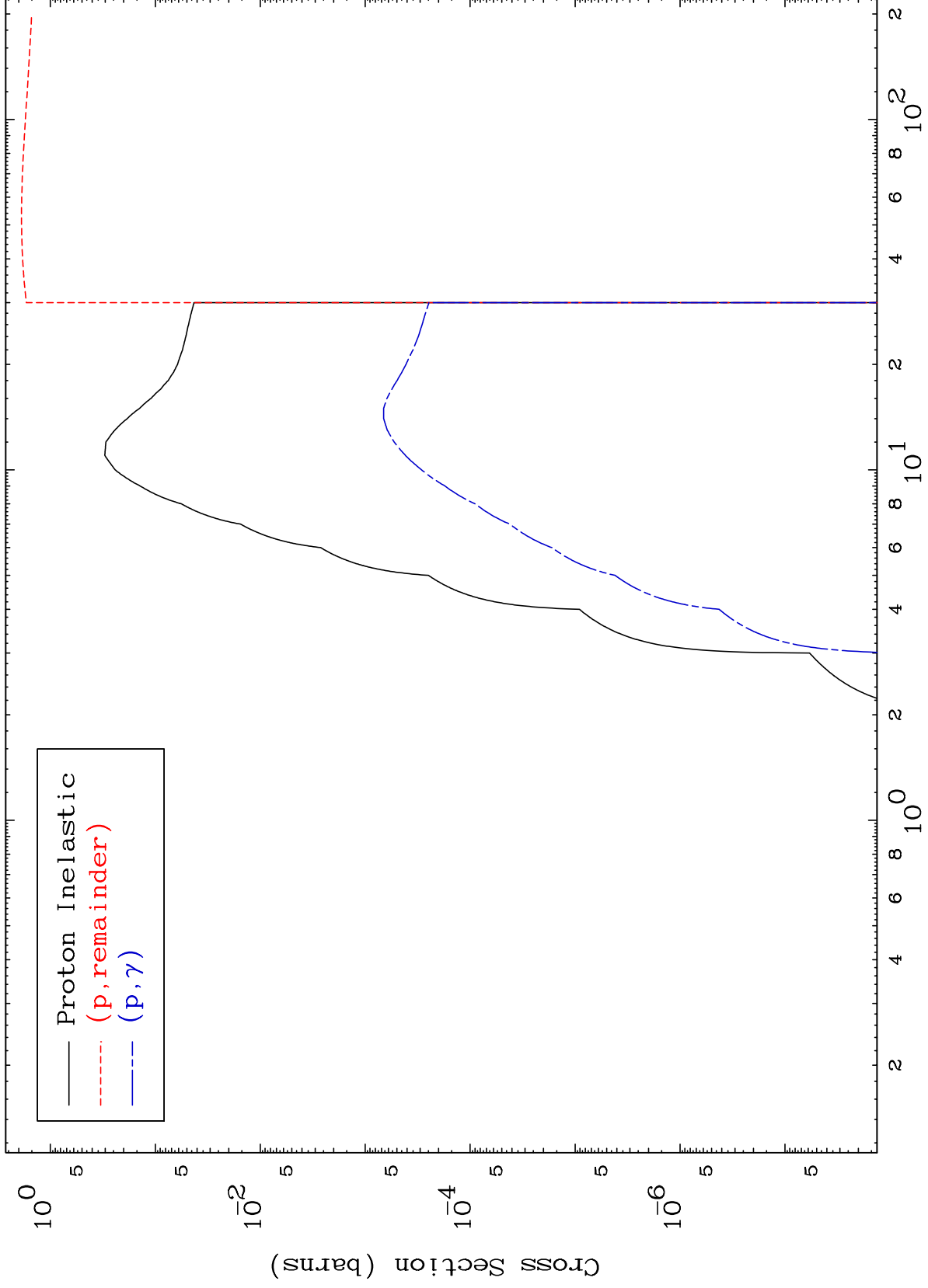
Press Mouse Button to Start

MAT 7239

Proton Major

72-Hf-178

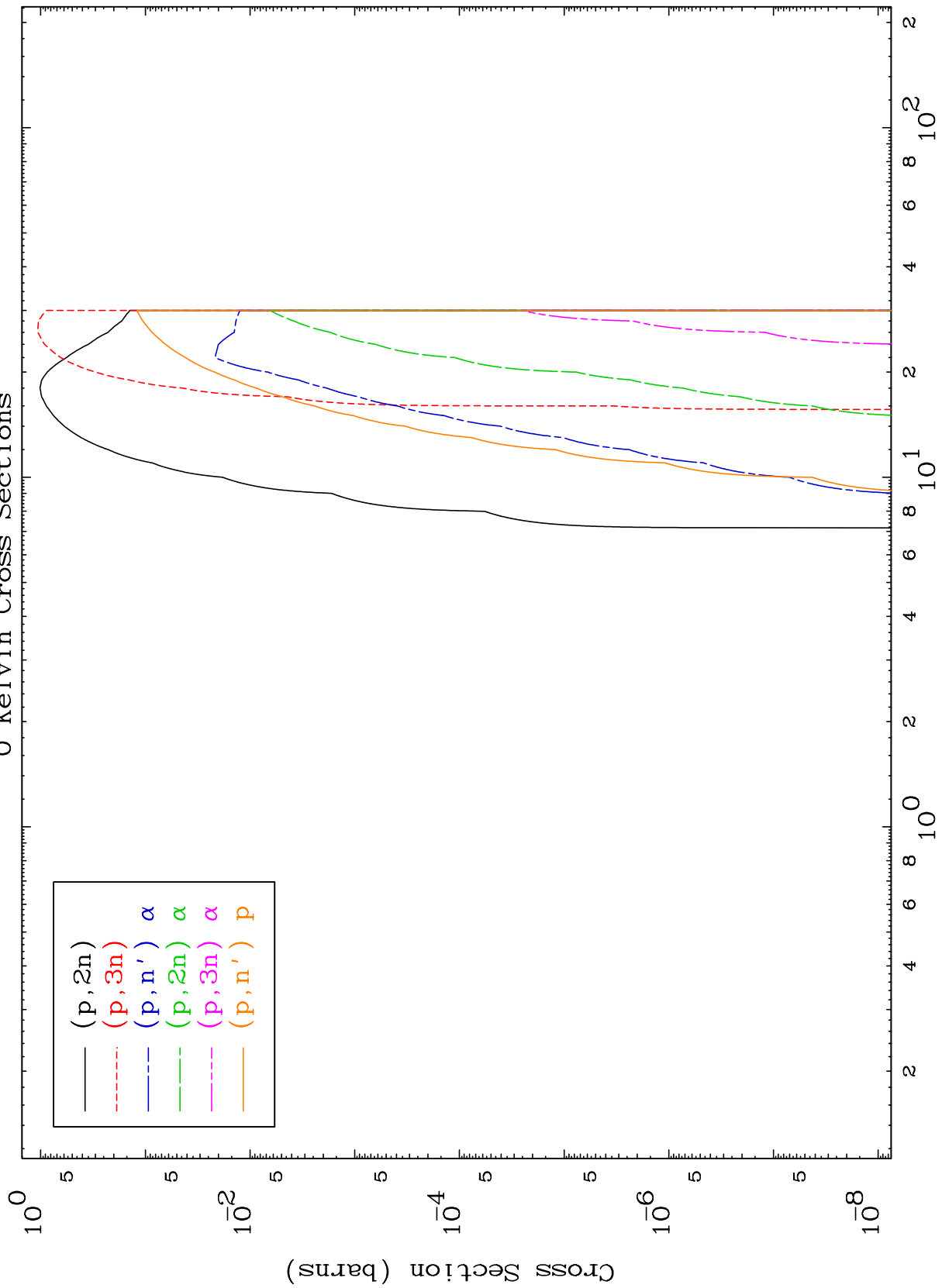
0 Kelvin Cross Sections

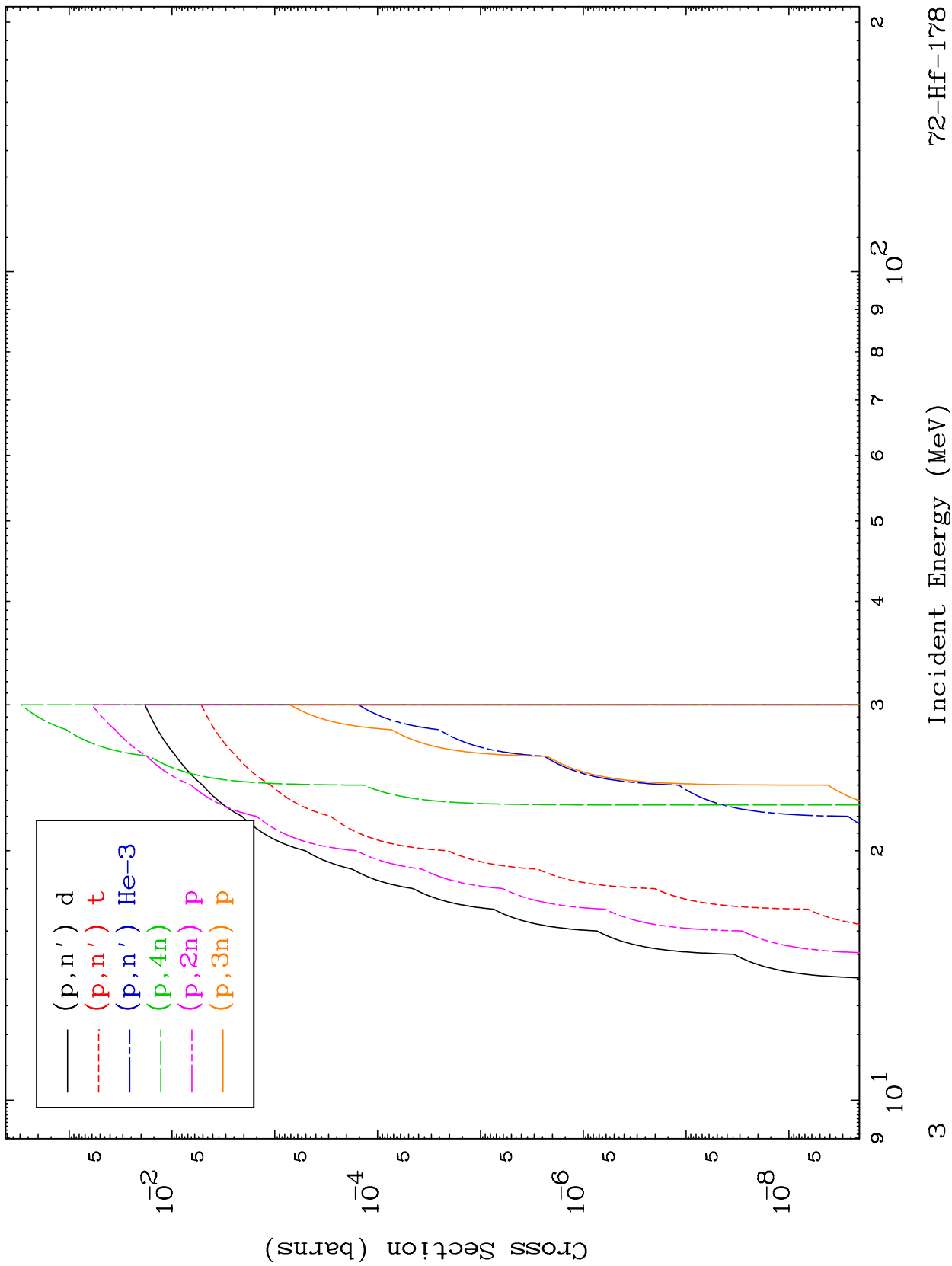


MAT 7239

Proton Neutron Production  
0 Kelvin Cross Sections

72-Hf-178

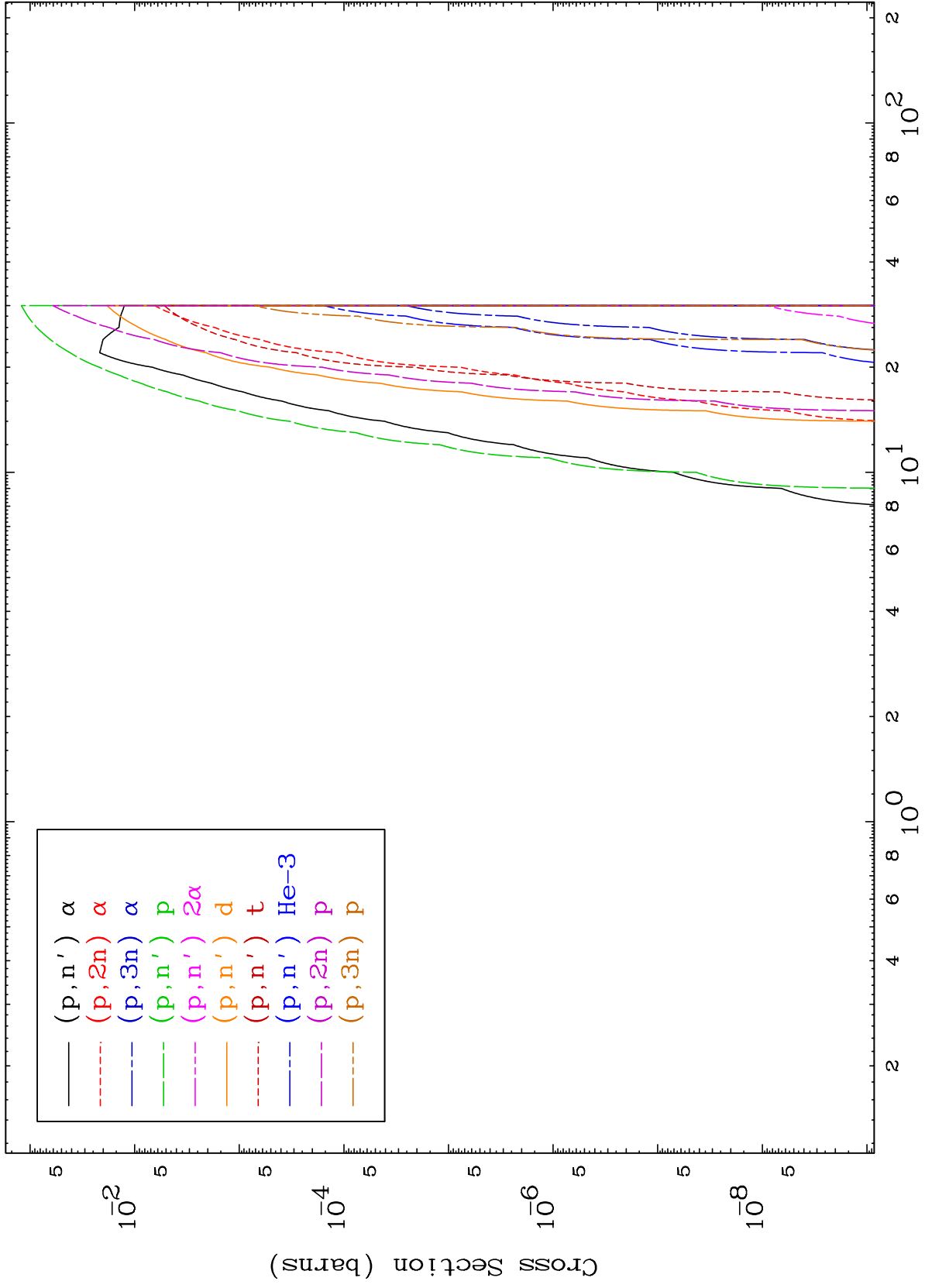


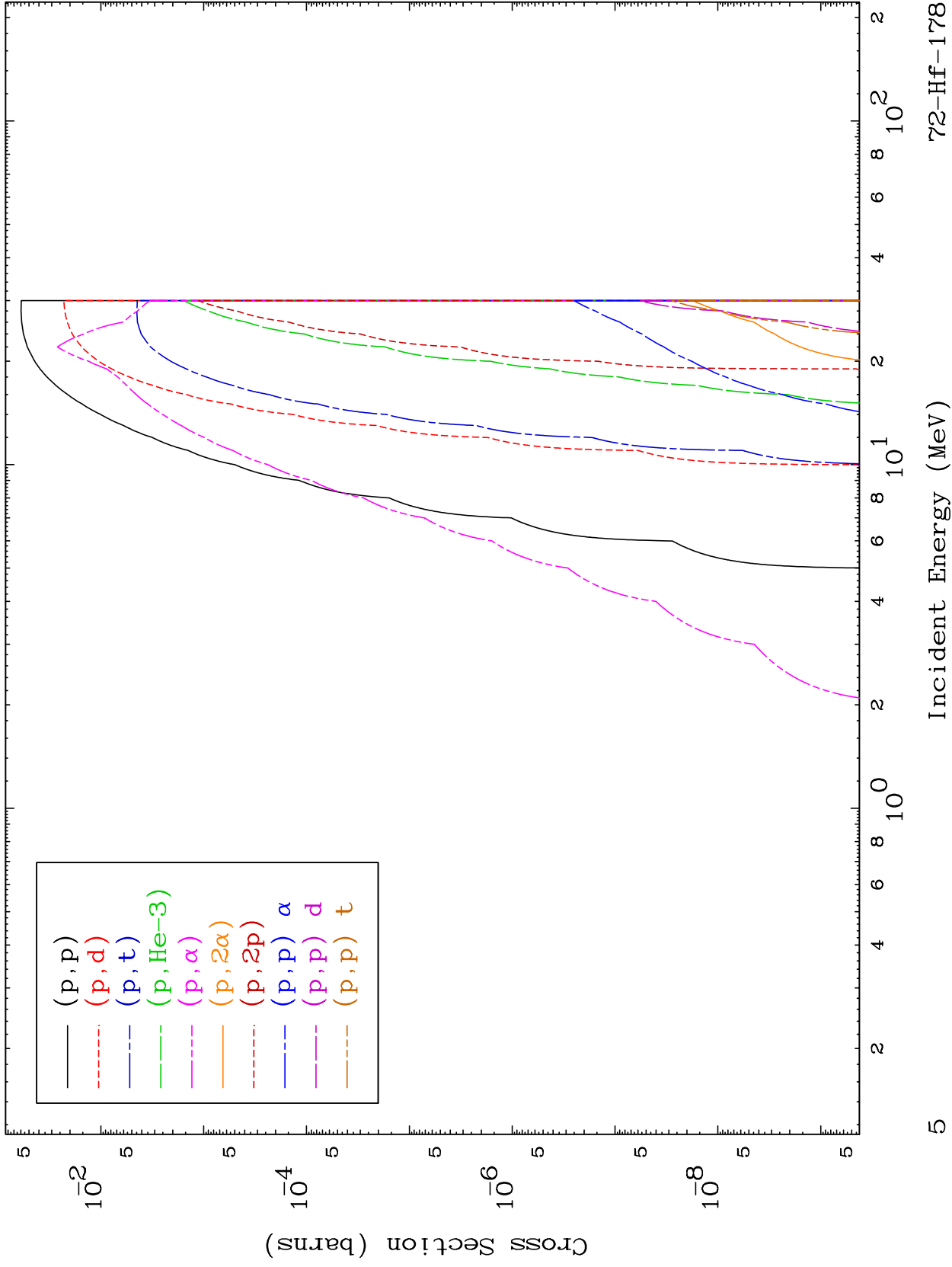


MAT 7239

Proton Charged Particle  
0 Kelvin Cross Sections

72-Hf-178



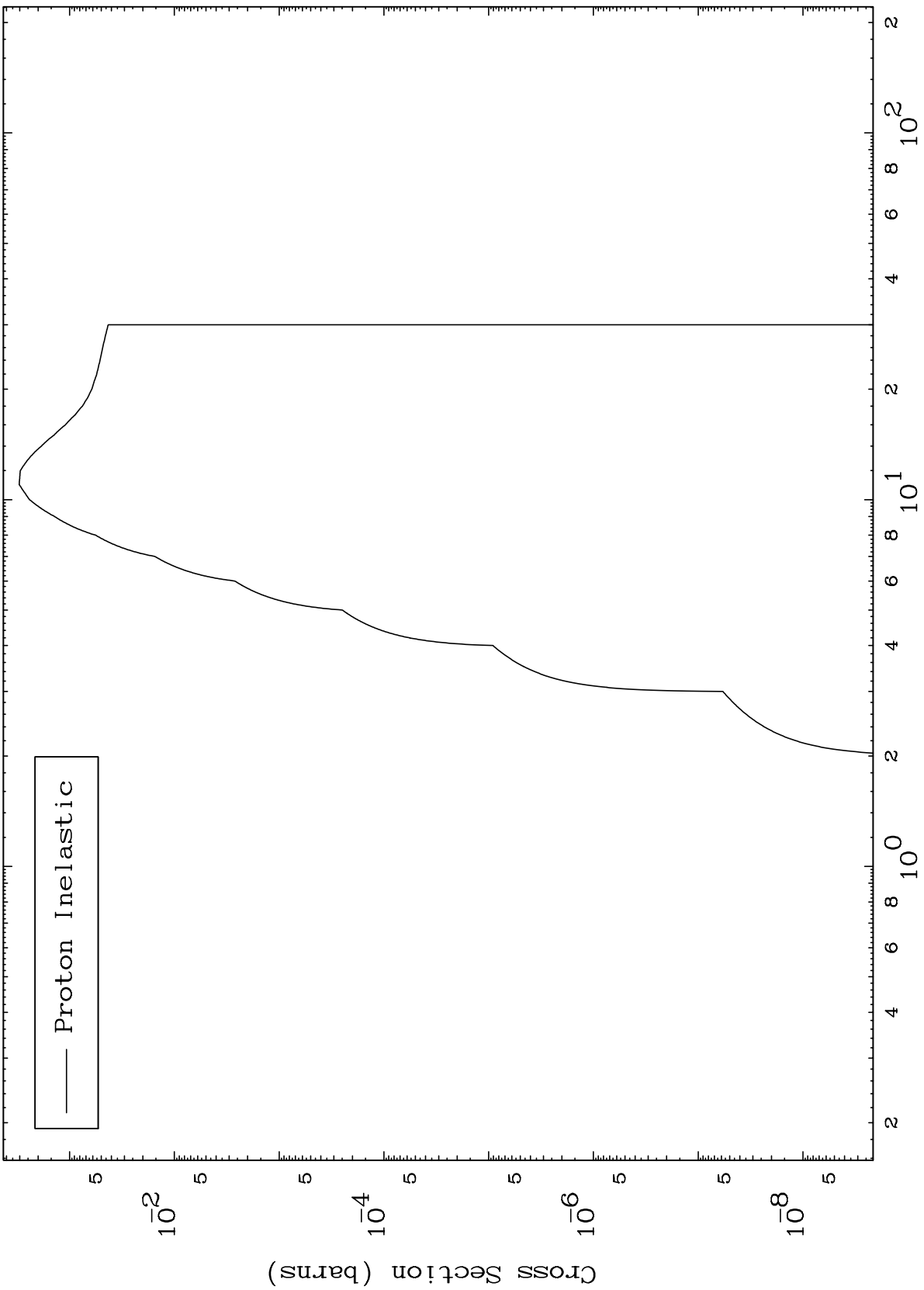


MAT 7239

(p,n') Level

72-Hf-178

0 Kelvin Cross Sections



6

Incident Energy (MeV)

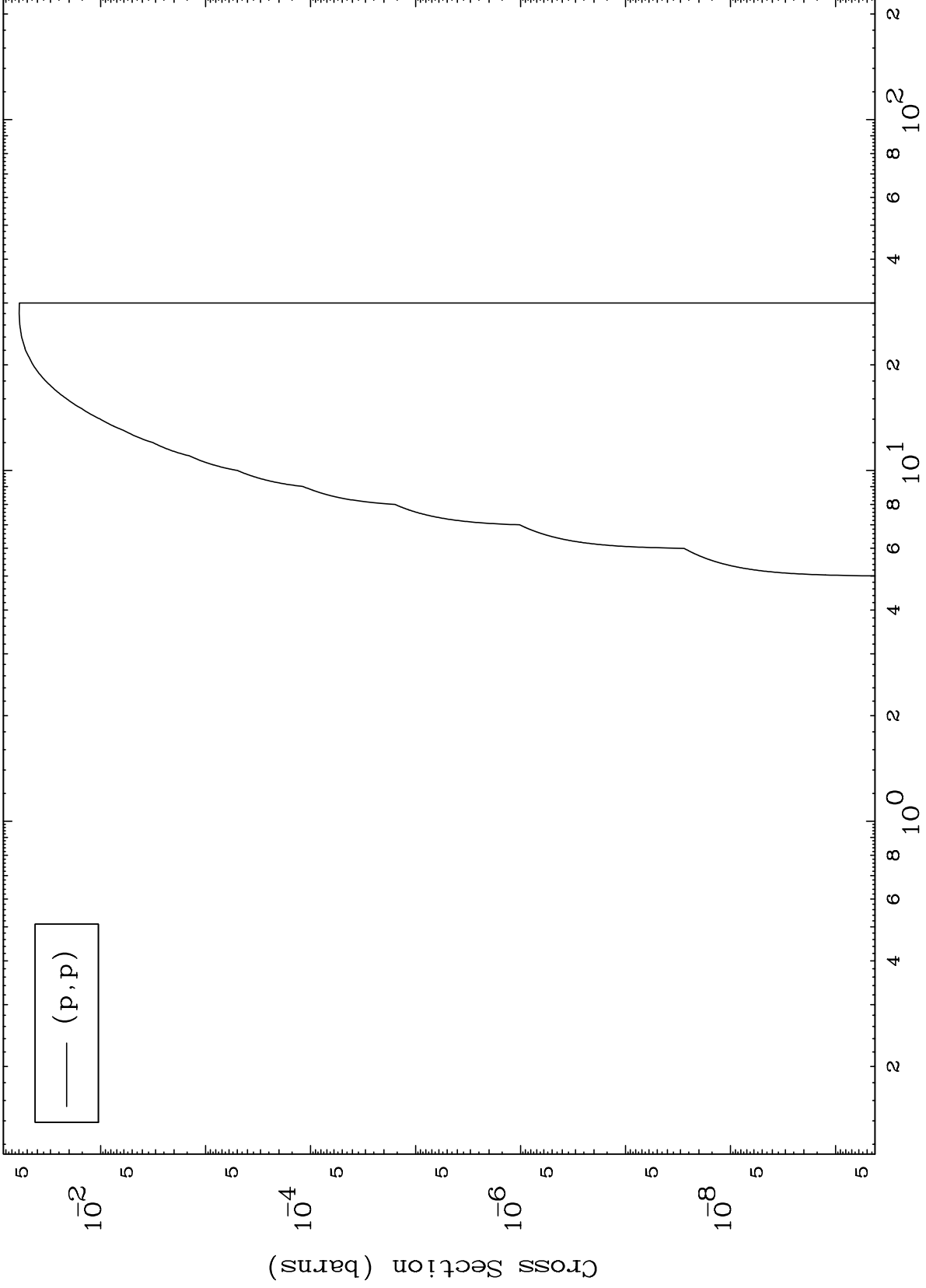
72-Hf-178

MAT 7239

(p,p) Levels

72-Hf-178

0 Kelvin Cross Sections



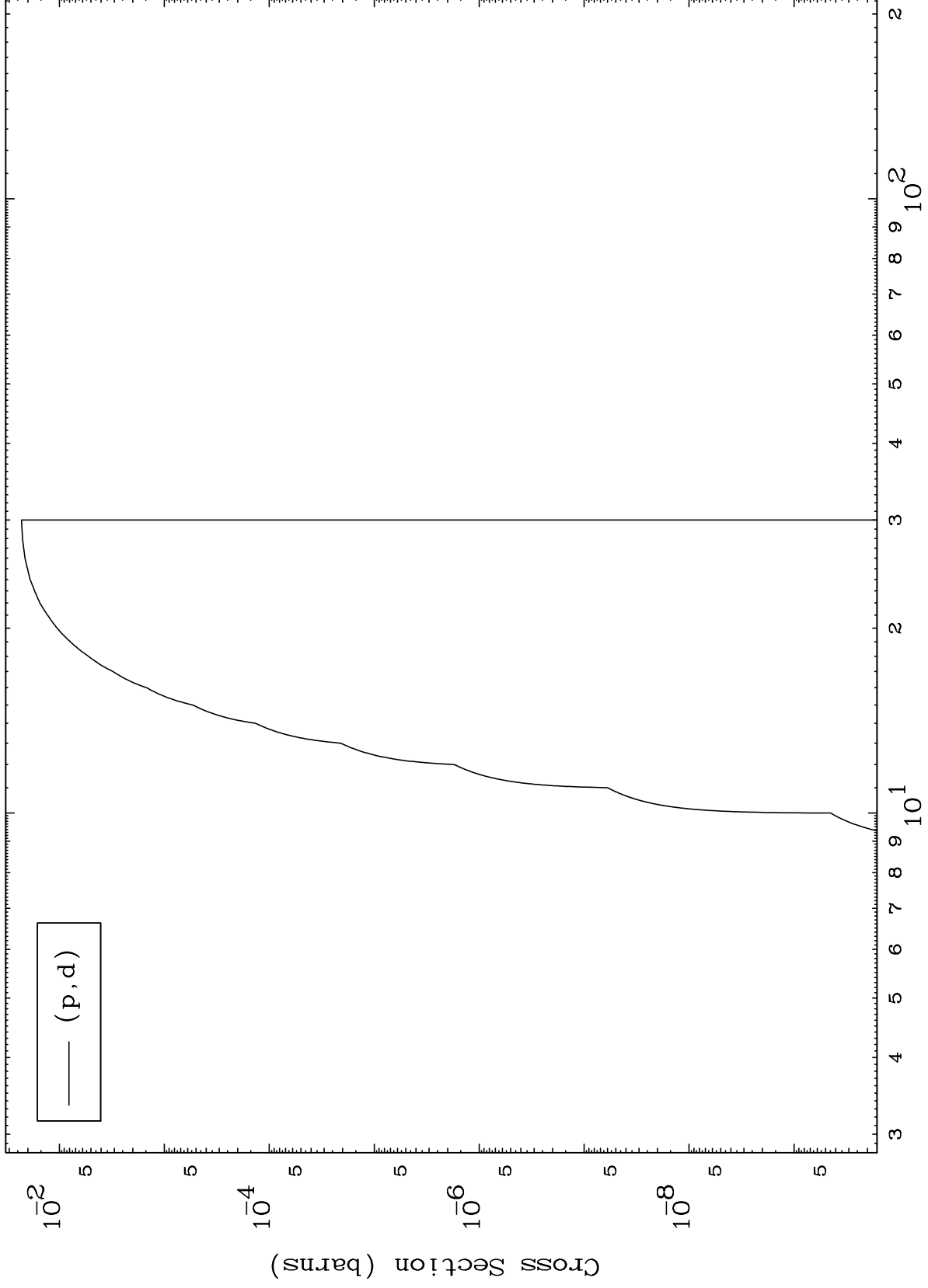


MAT 7239

(p,d) Levels

72-Hf-178

0 Kelvin Cross Sections



Incident Energy (MeV)

72-Hf-178

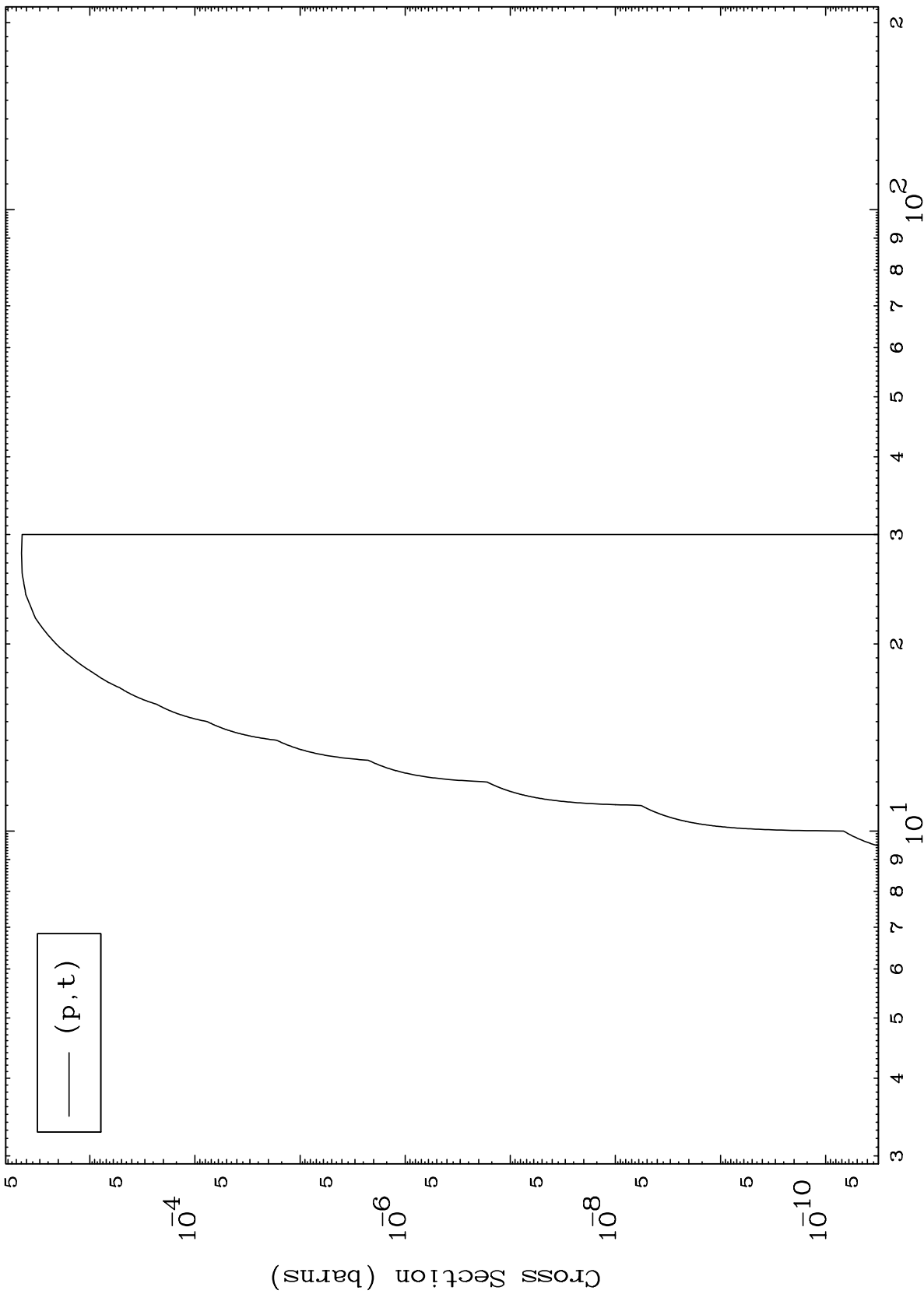
8

MAT 7239

(p, t) Levels

72-Hf-178

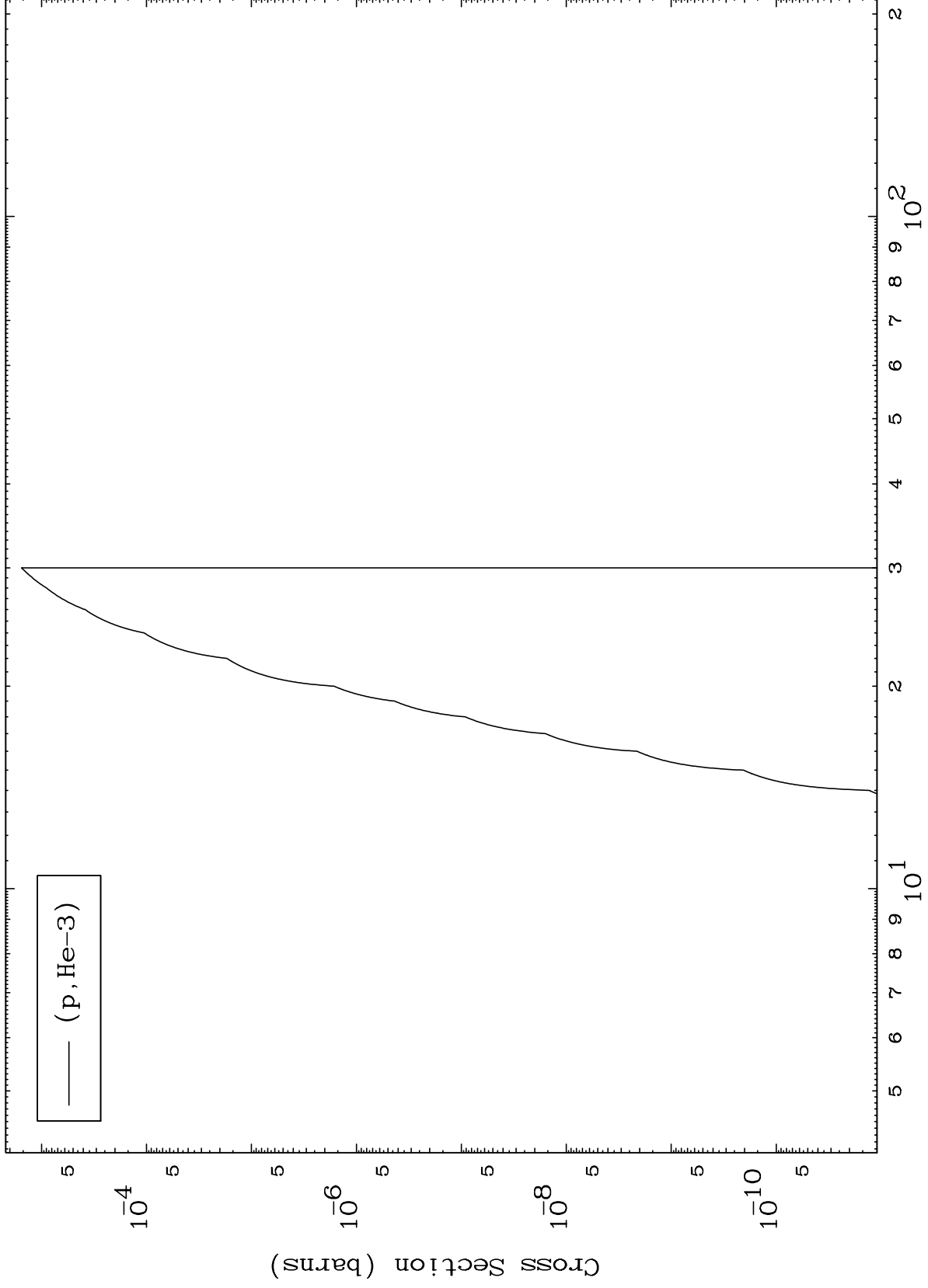
0 Kelvin Cross Sections



MAT 7239

(p,He3) Levels  
0 Kelvin Cross Sections

72-Hf-178



10

Incident Energy (MeV)

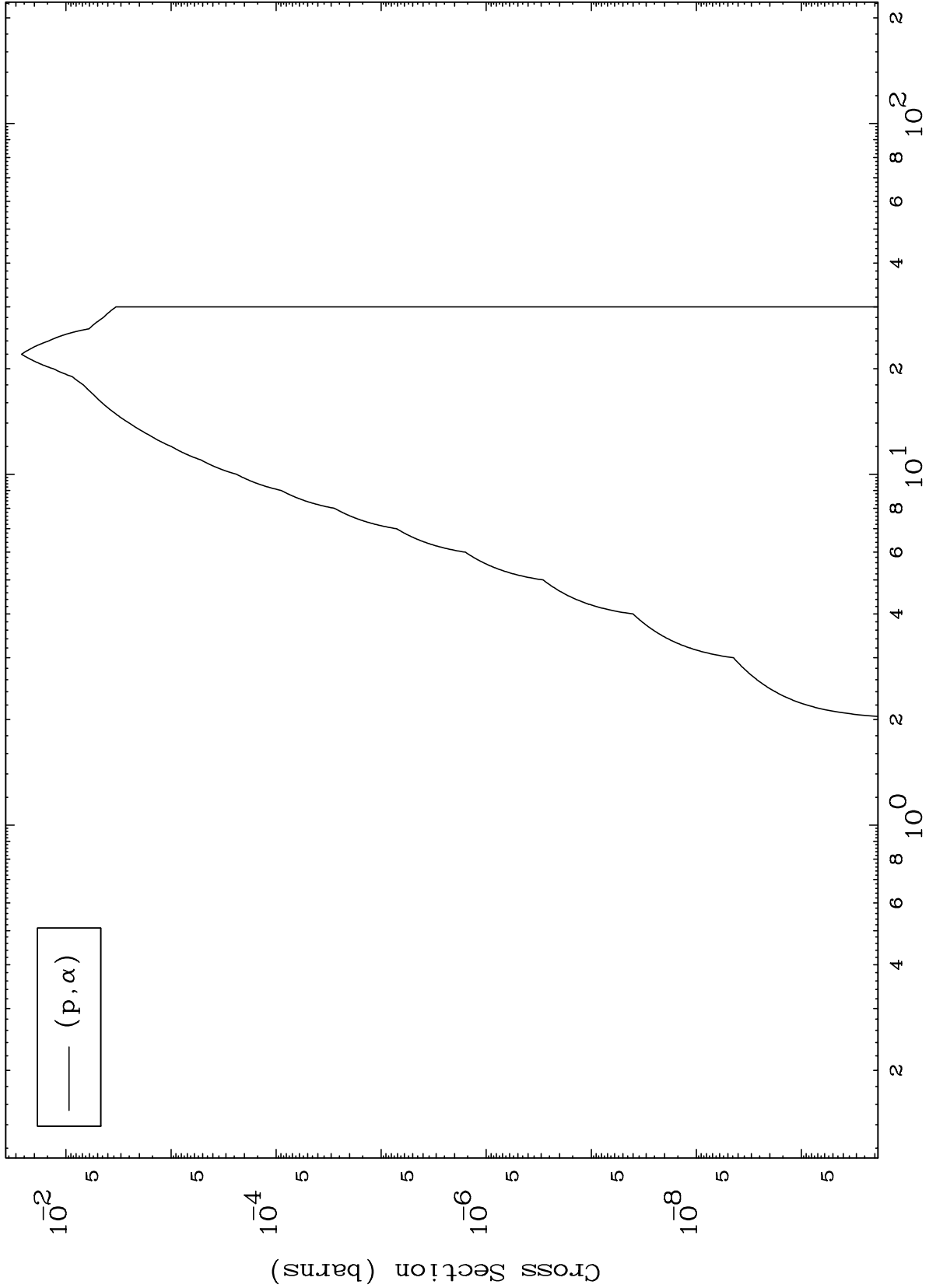
72-Hf-178

MAT 7239

(p,  $\alpha$ ) Levels

72-Hf-178

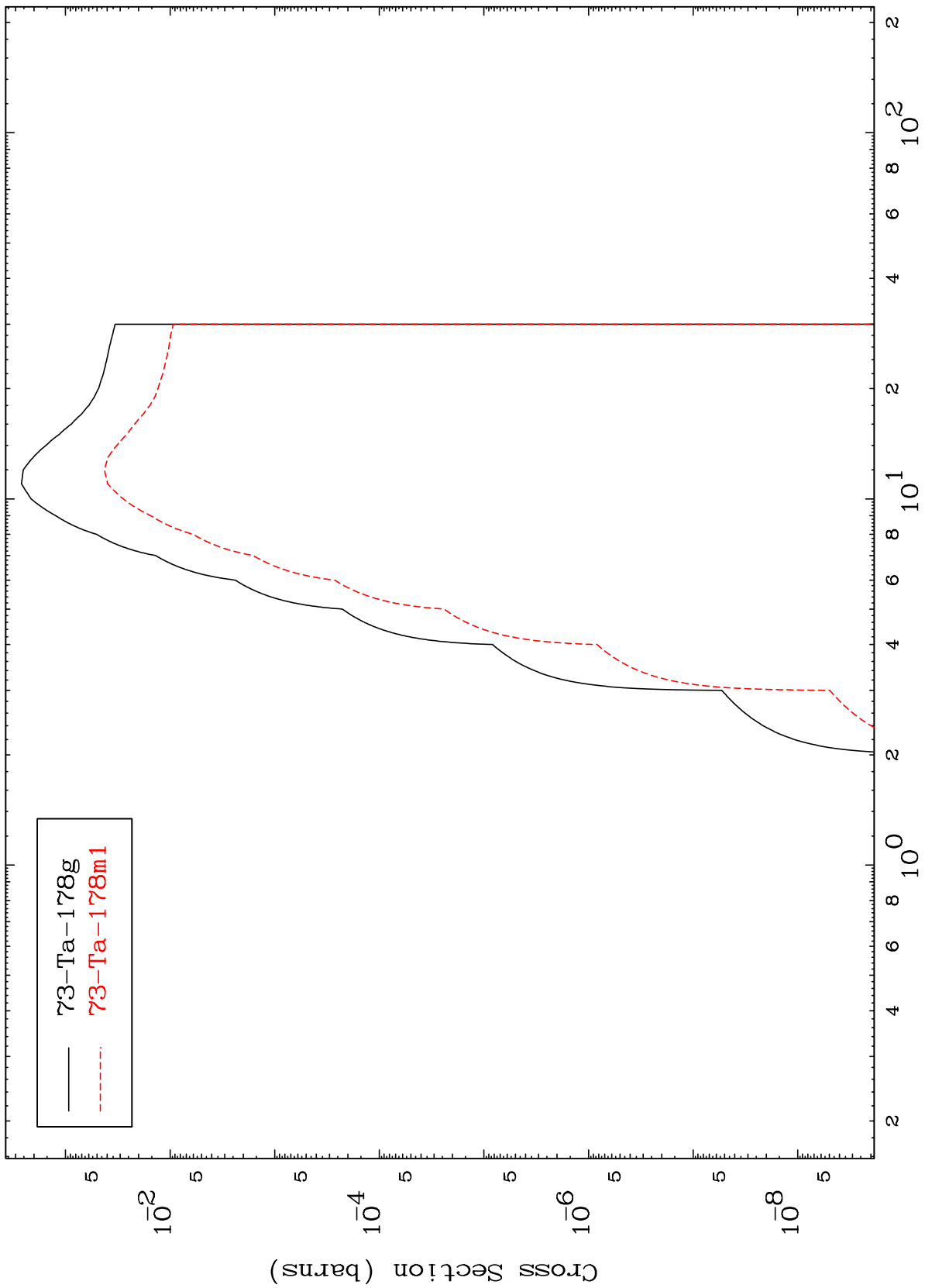
0 Kelvin Cross Sections



MAT 7239

Proton Inelastic  
Radionuclide Production Cross Section

72-Hf-178



12

Incident Energy (MeV)

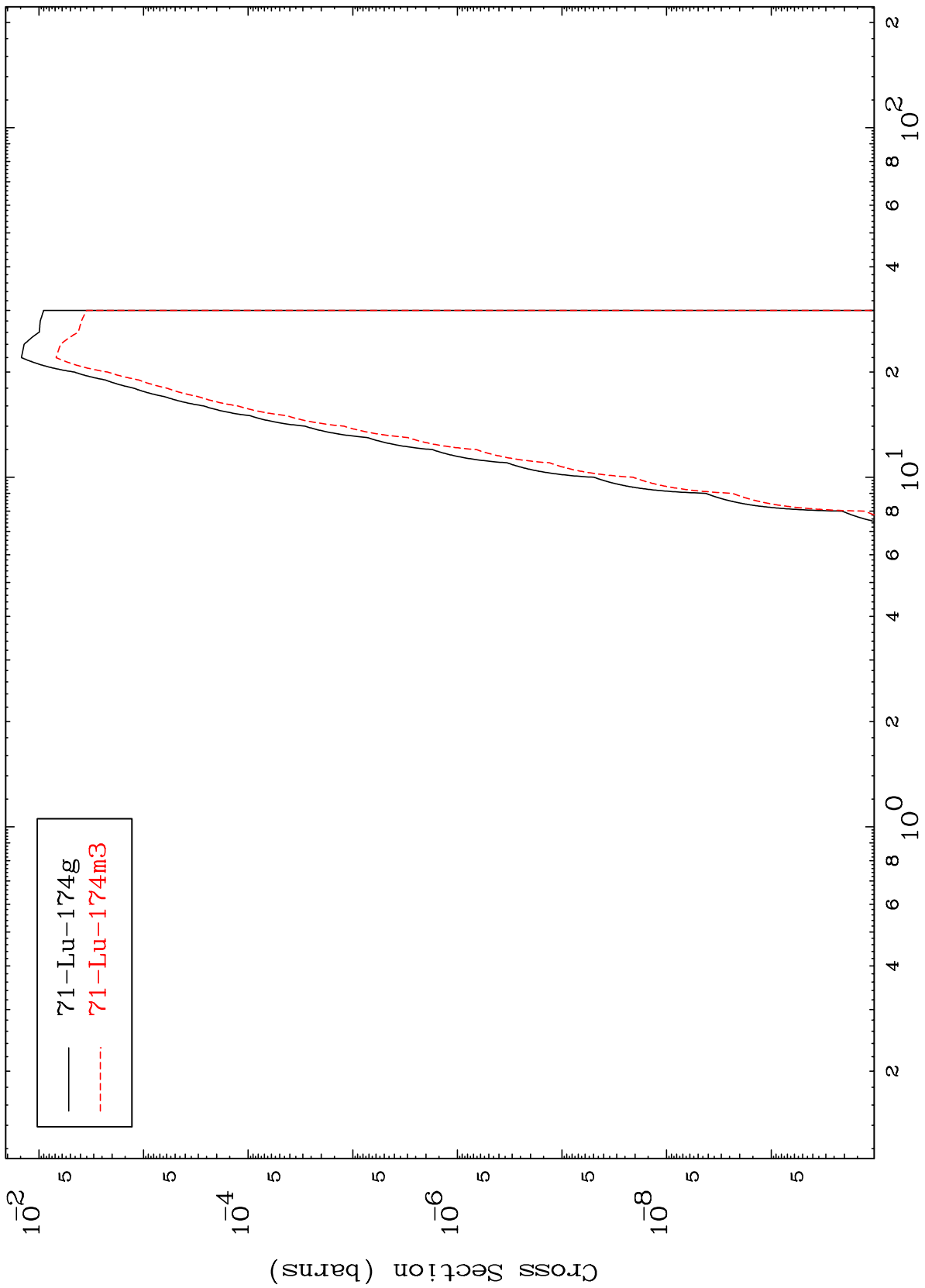
72-Hf-178

MAT 7239

(p,n')  $\alpha$

72-Hf-178

Radionuclide Production Cross Section



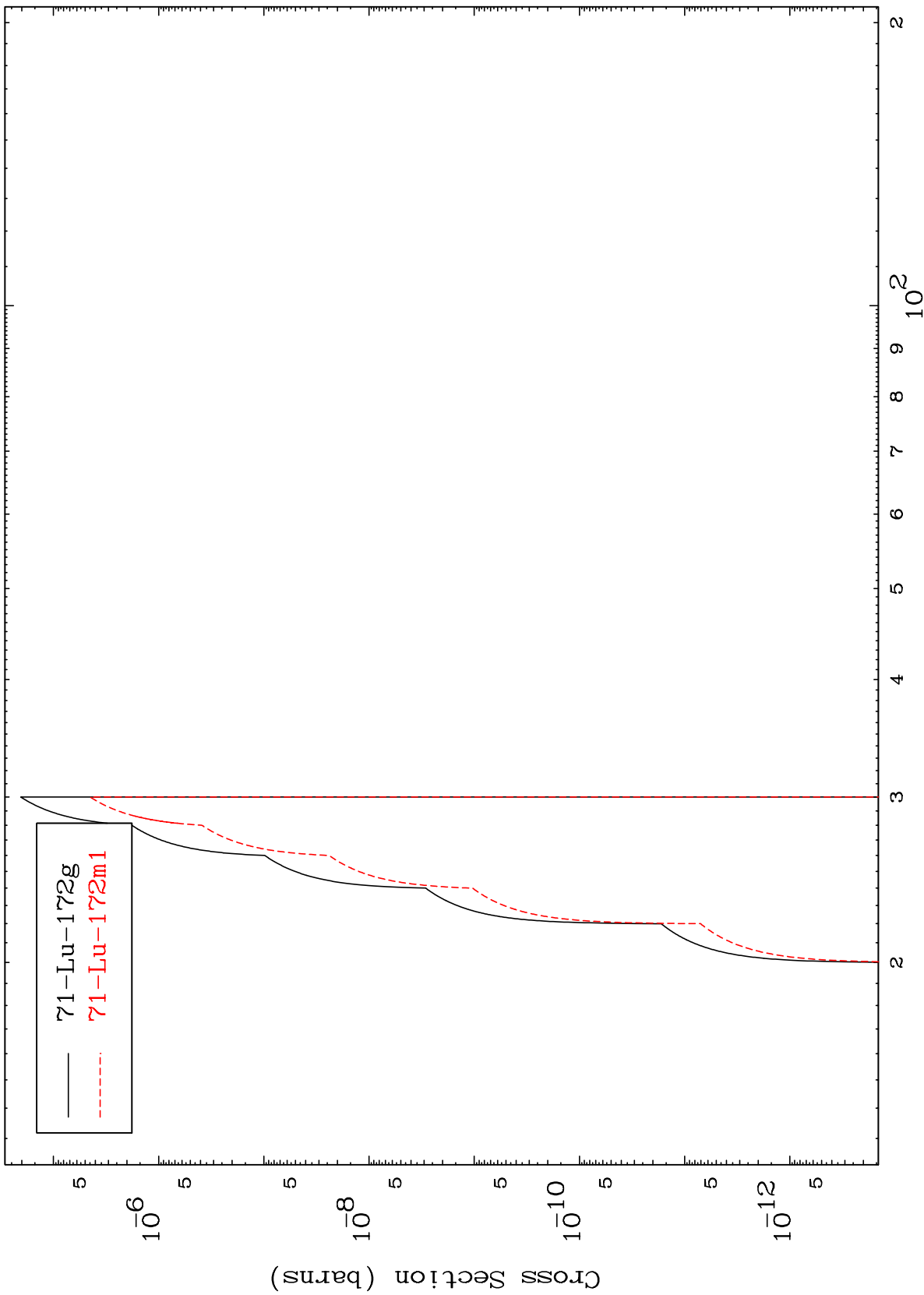
71-Lu-174g  
71-Lu-174m3

MAT 7239

(p,3n)  $\alpha$

72-Hf-178

Radionuclide Production Cross Section



14

Incident Energy (MeV)

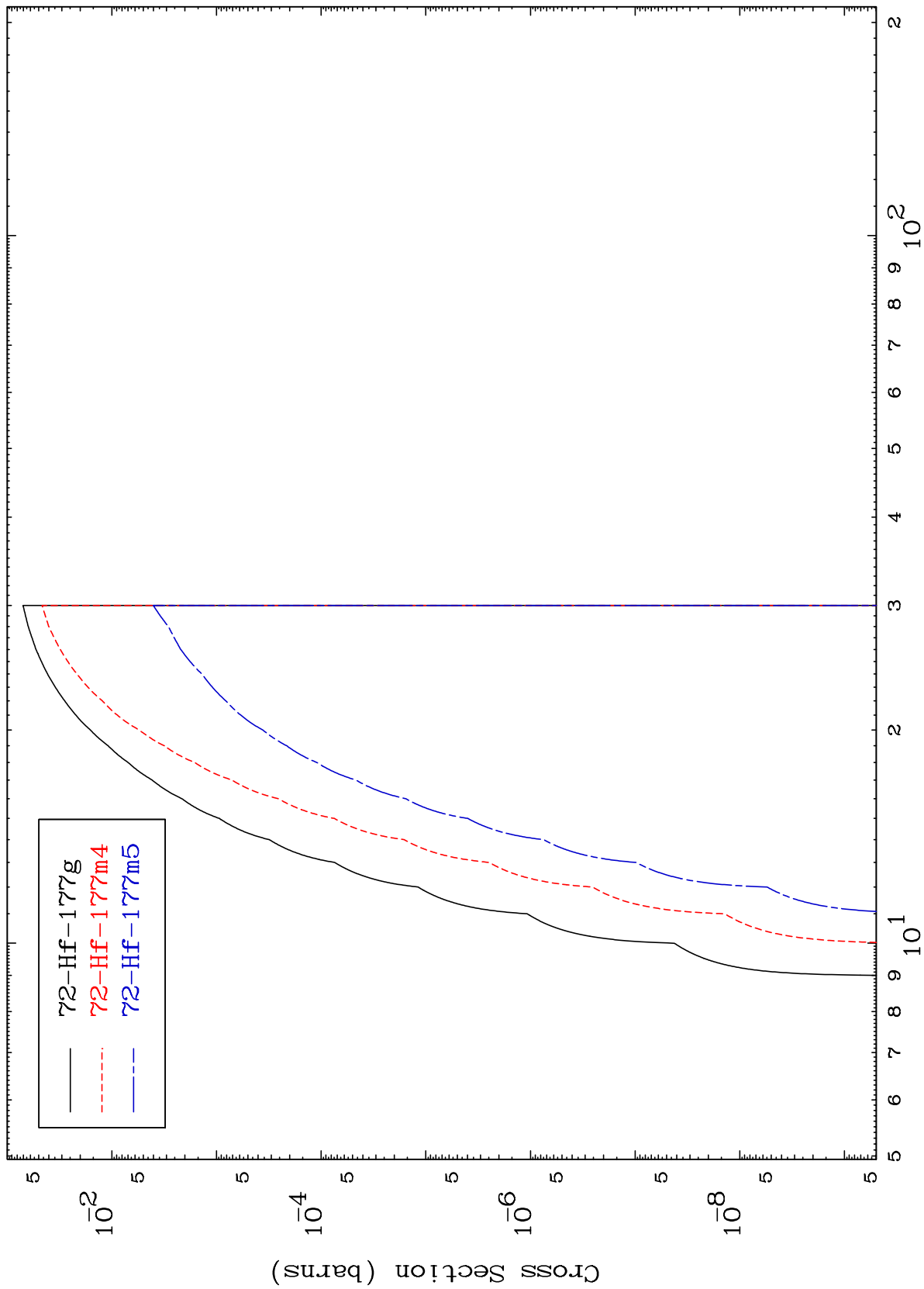
72-Hf-178

MAT 7239

(p,n') p

72-Hf-178

Radionuclide Production Cross Section



15

Incident Energy (MeV)

72-Hf-178

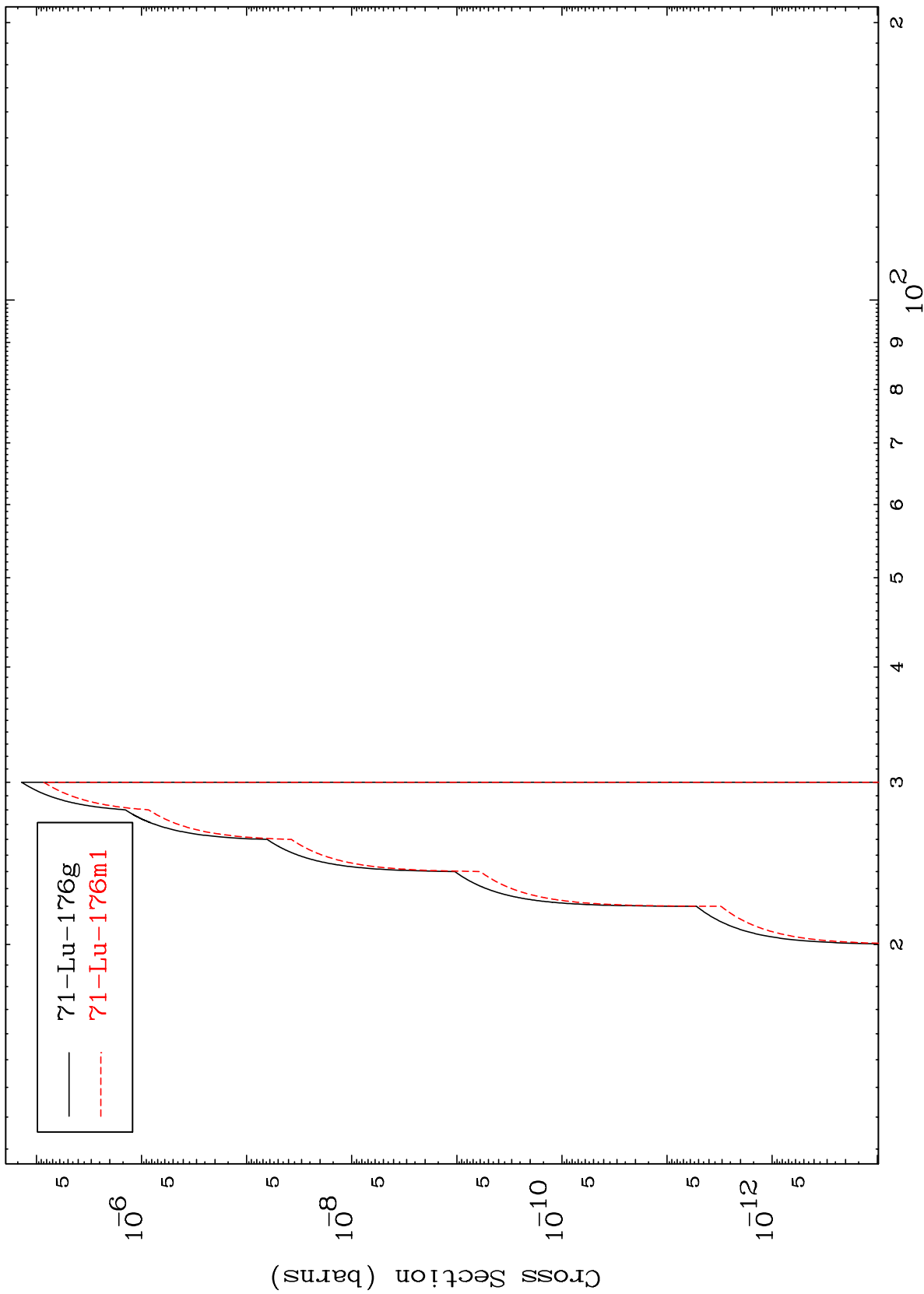


MAT 7239

(p,2n) p

72-Hf-178

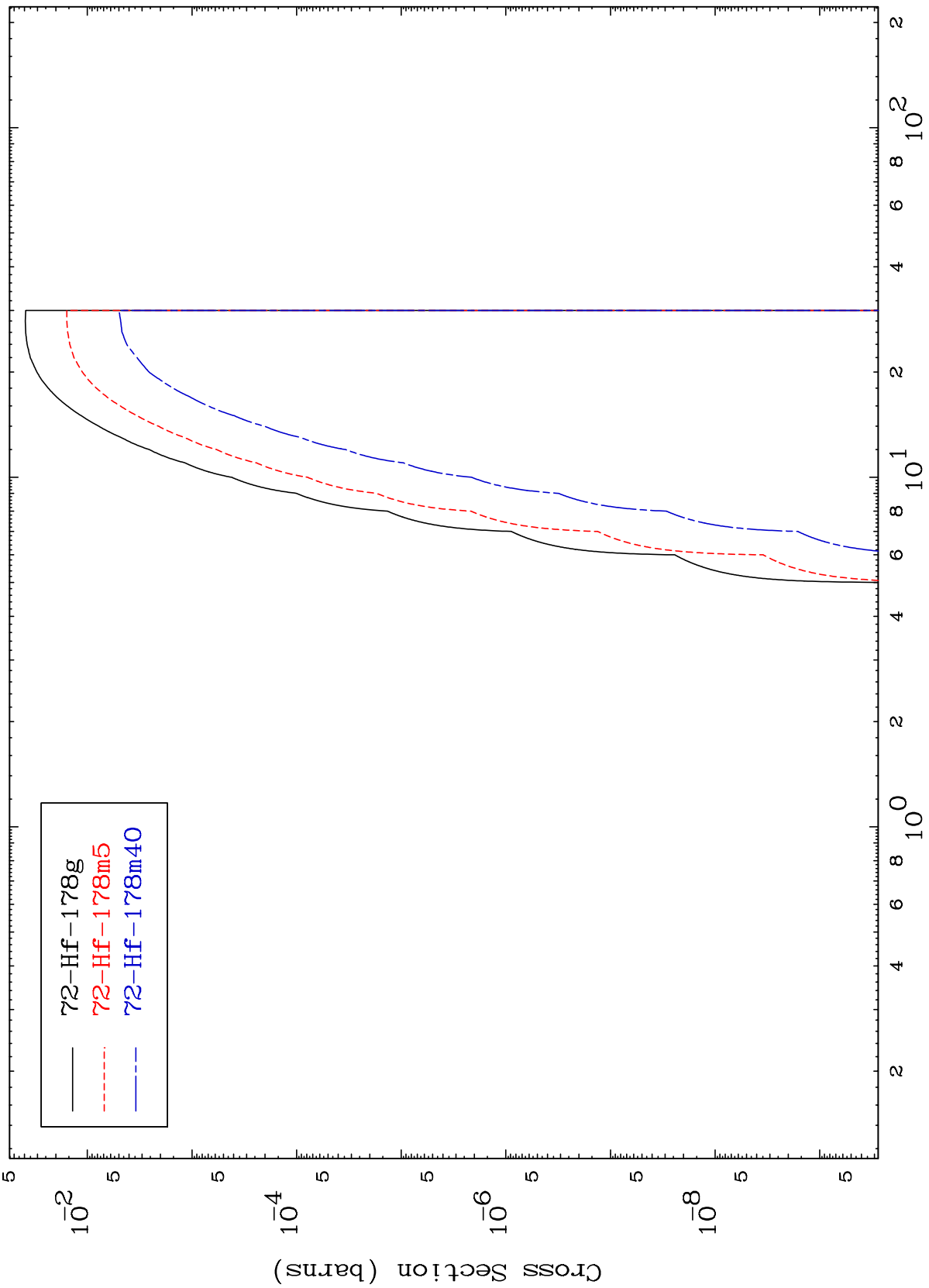
Radionuclide Production Cross Section



MAT 7239

72-Hf-178

Radionuclide Production Cross Section (p,p)



17

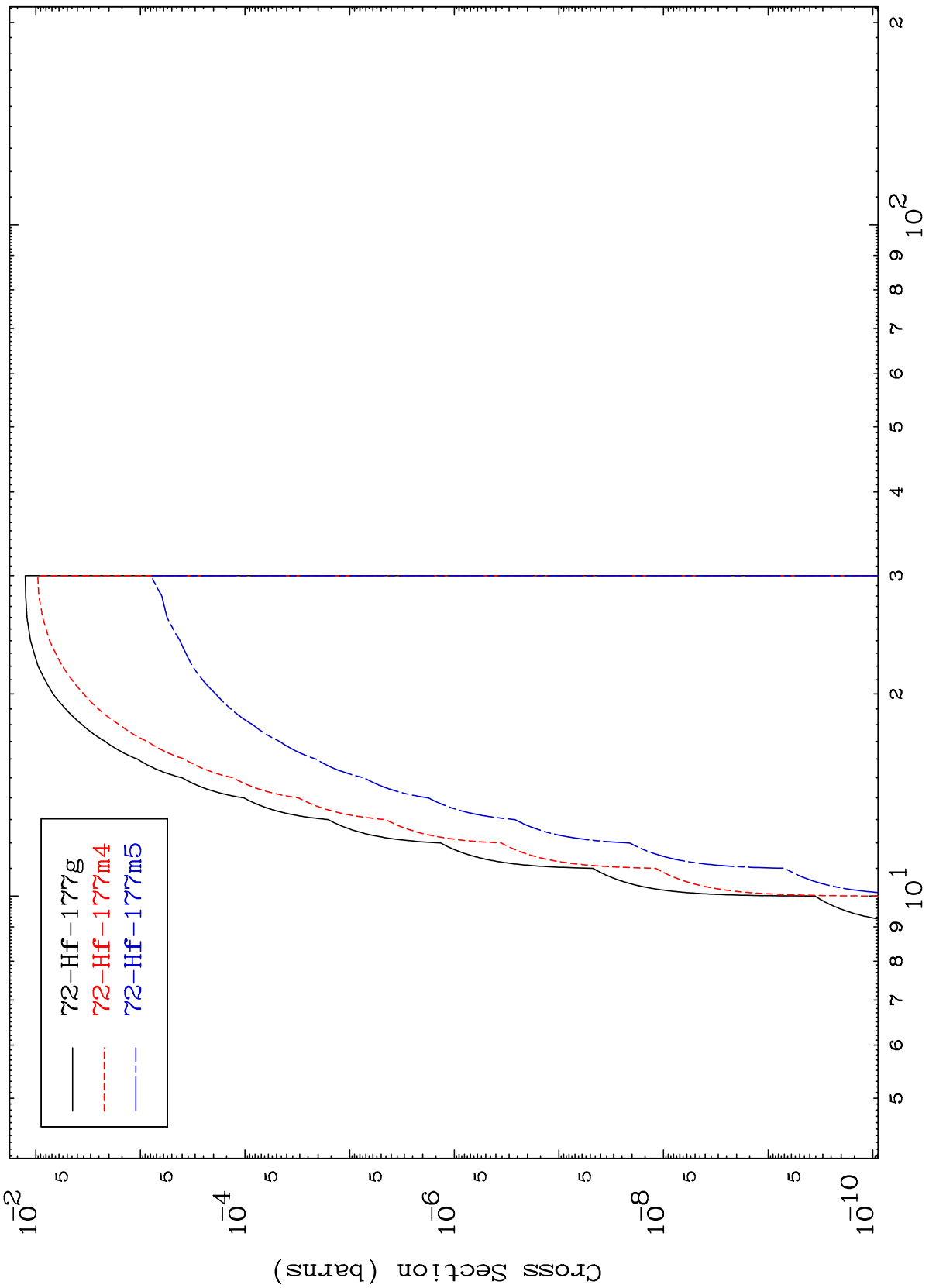
Incident Energy (MeV)

72-Hf-178

MAT 7239

72-Hf-178

(p,d)  
Radionuclide Production Cross Section



18

Incident Energy (MeV)

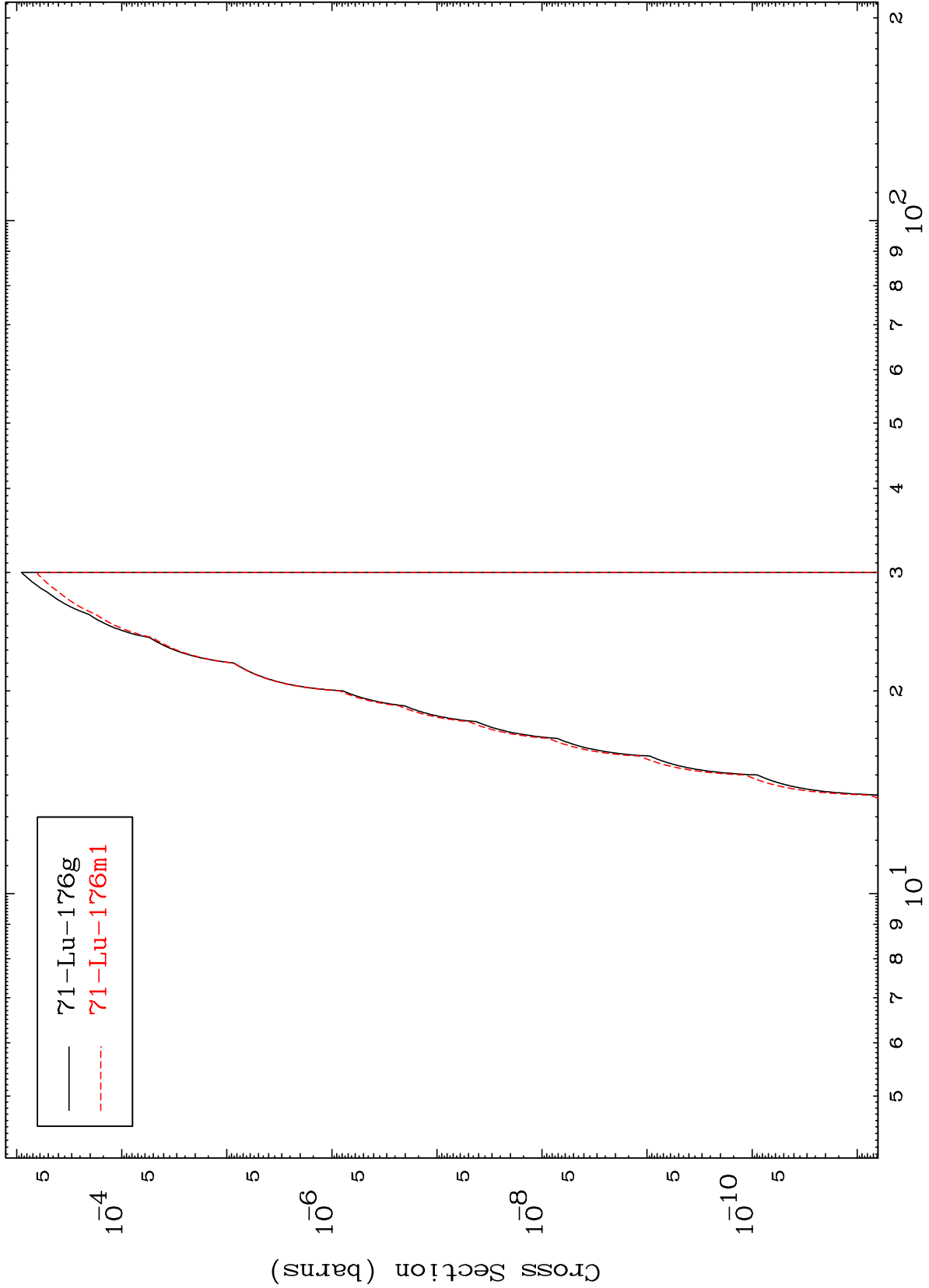
72-Hf-178

MAT 7239

(p,He-3)

72-Hf-178

Radionuclide Production Cross Section



71-Lu-176g  
71-Lu-176m1

19

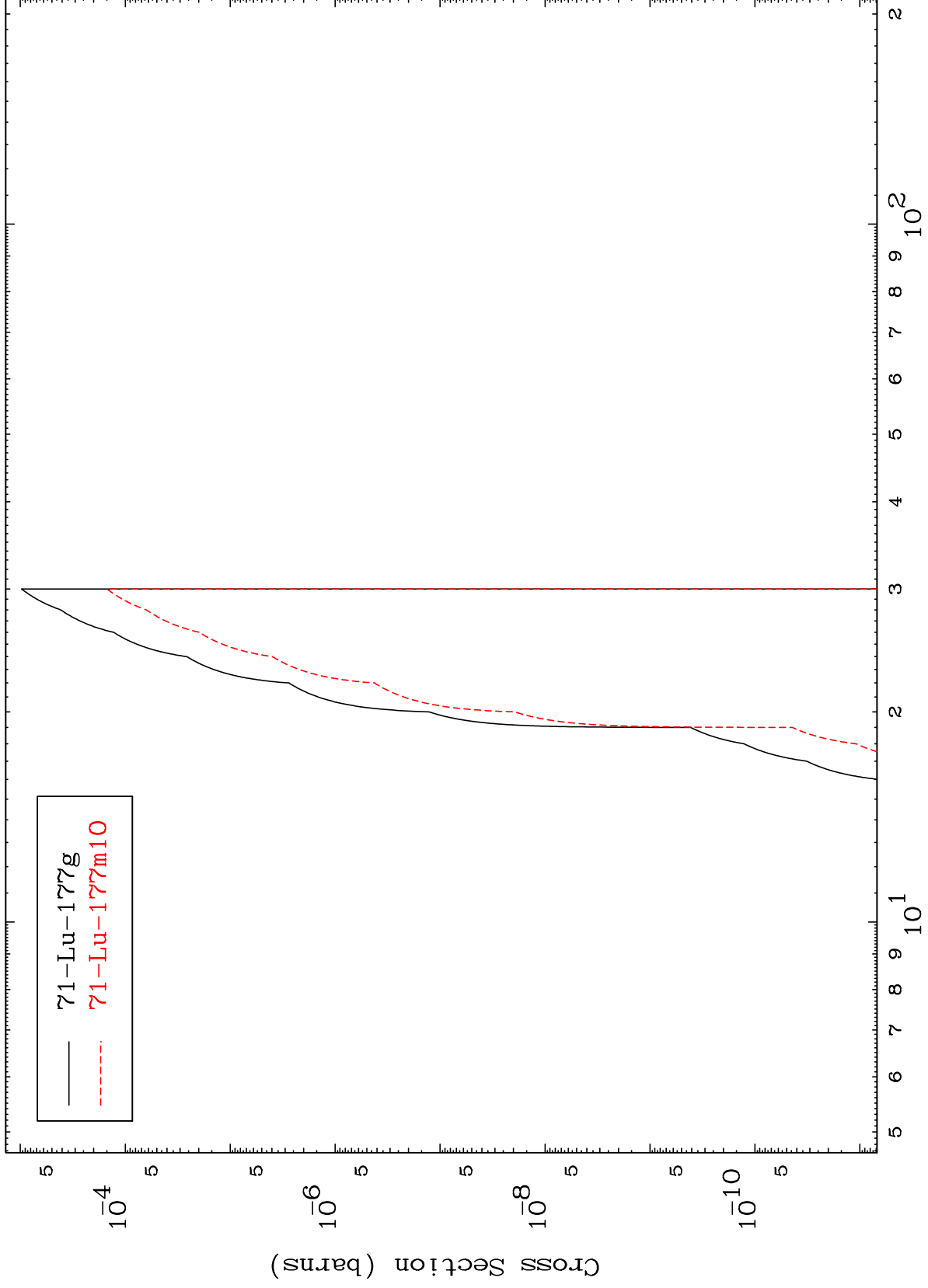
Incident Energy (MeV)

72-Hf-178

MAT 7239

72-Hf-178

(p,2p)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

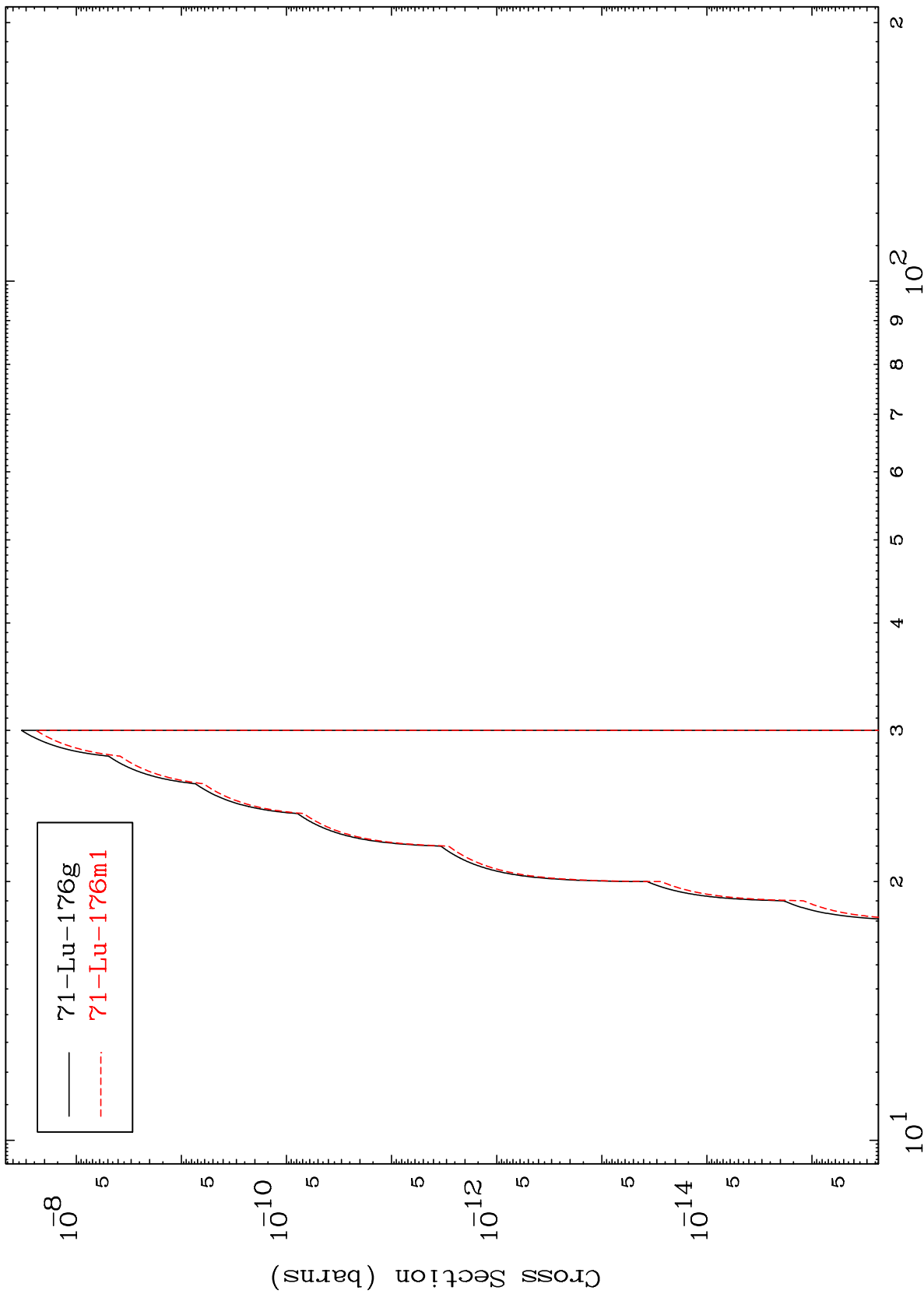
72-Hf-178

MAT 7239

(p,p) d

72-Hf-178

Radionuclide Production Cross Section



21

Incident Energy (MeV)

72-Hf-178