

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

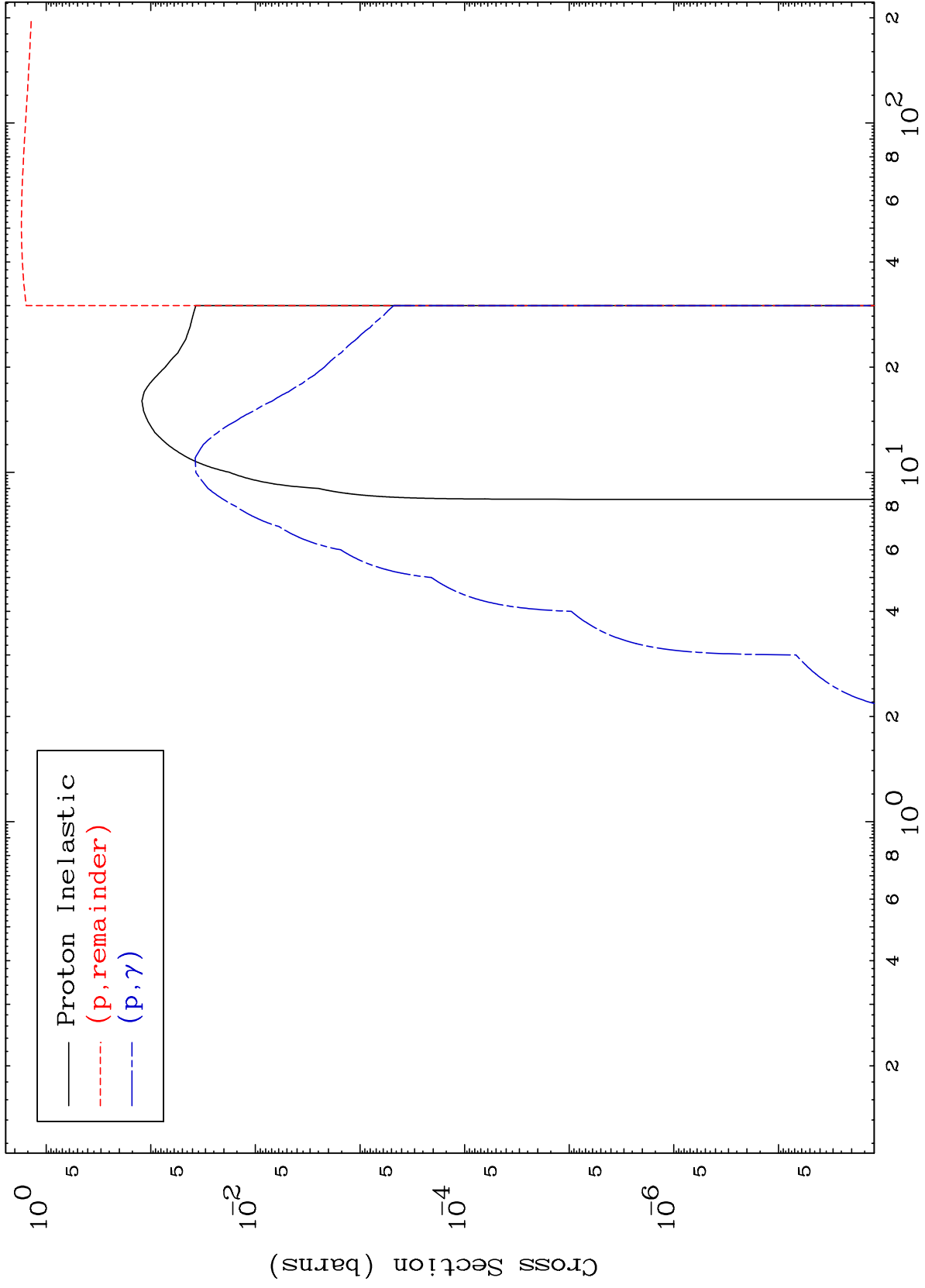
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

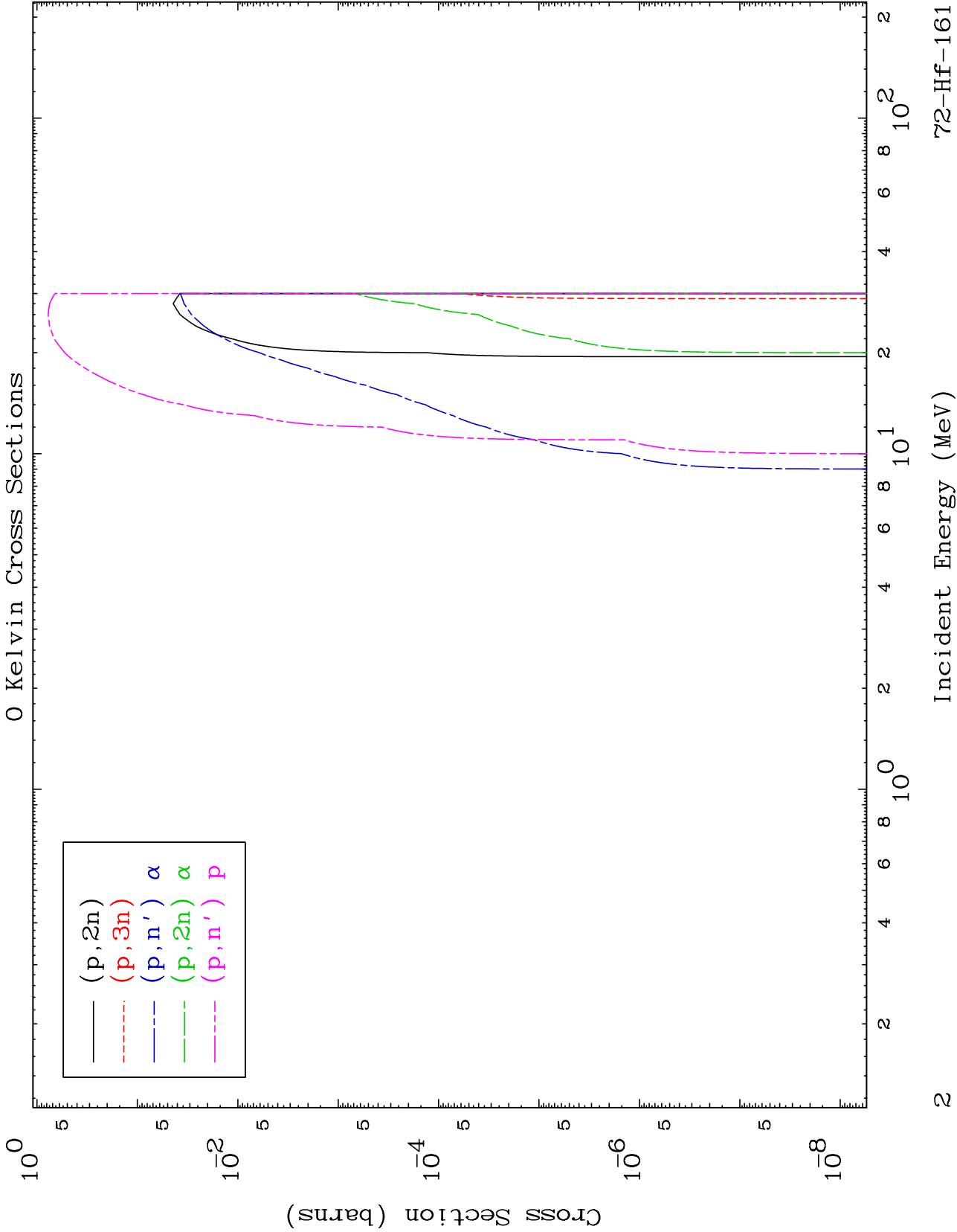
Tele: 925-443-1911

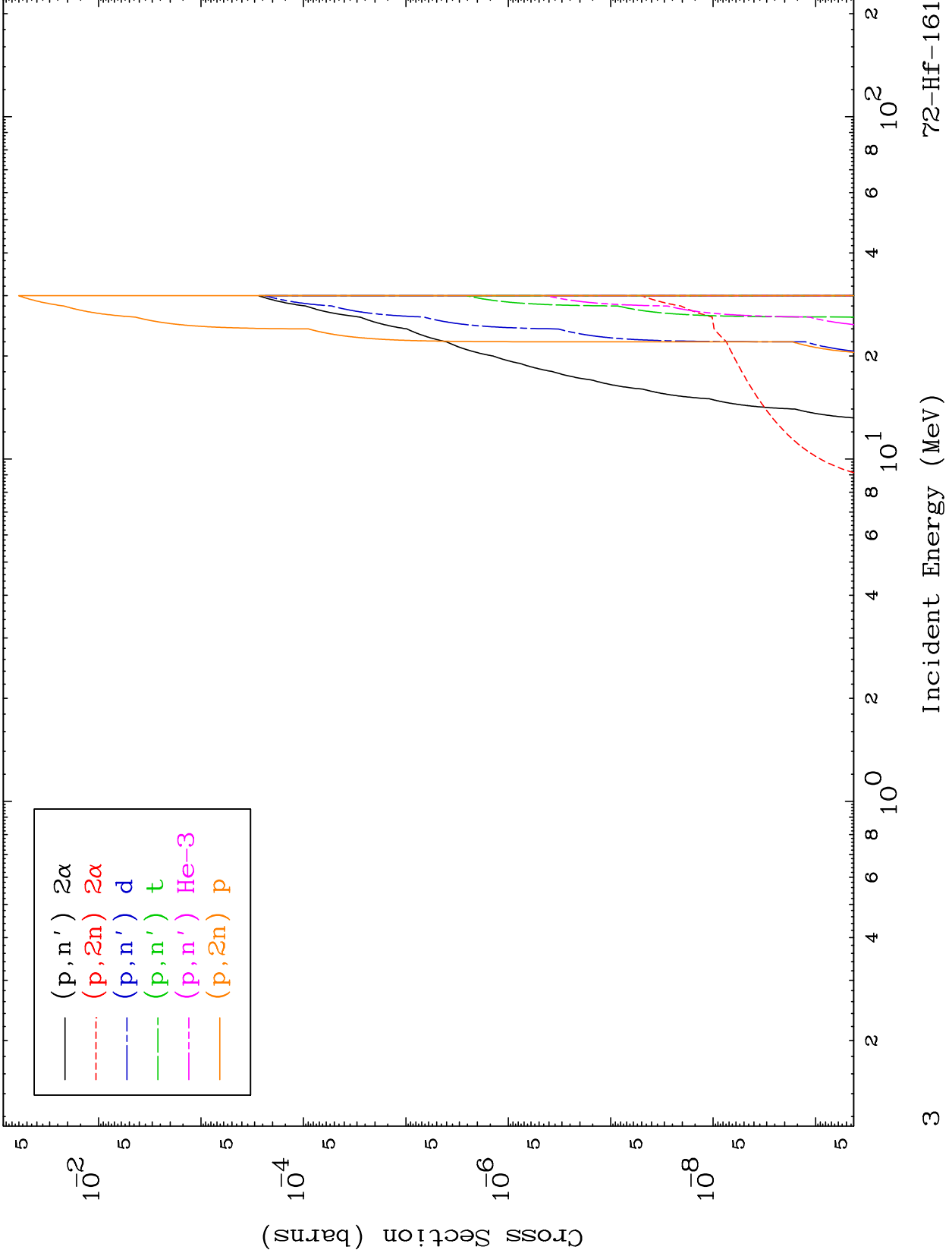
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



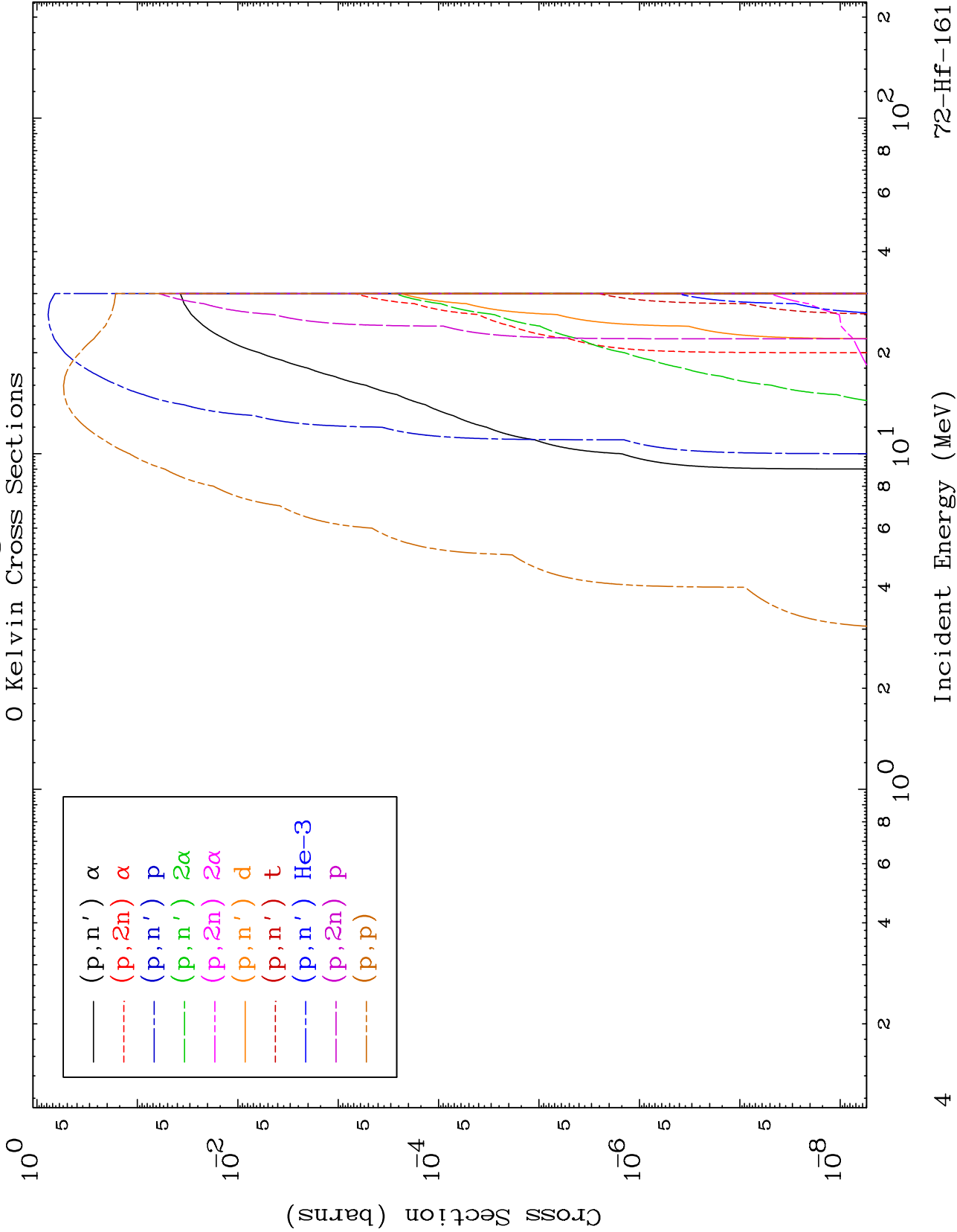


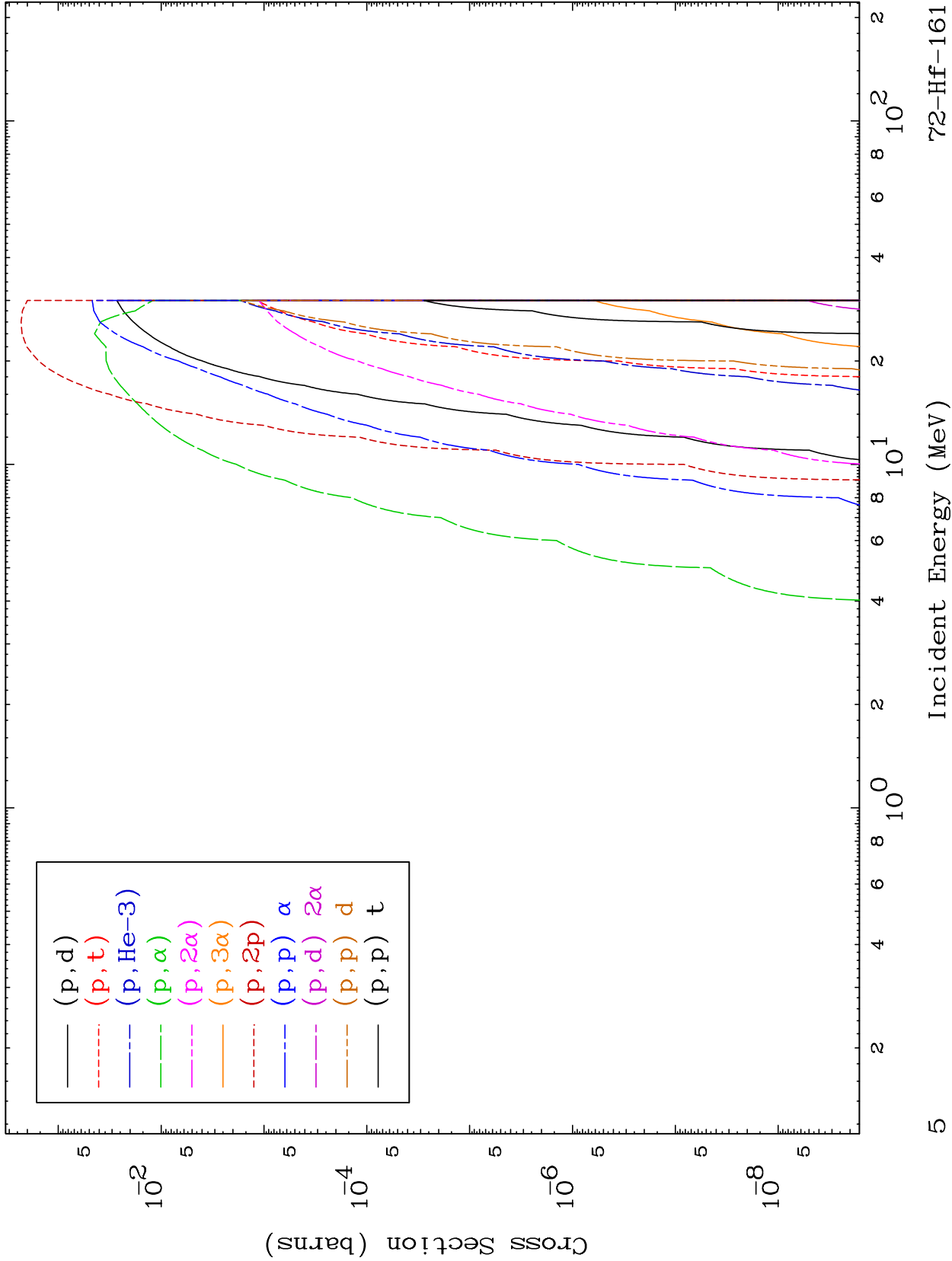


MAT 7186

Proton Charged Particle  
0 Kelvin Cross Sections

72-Hf-161



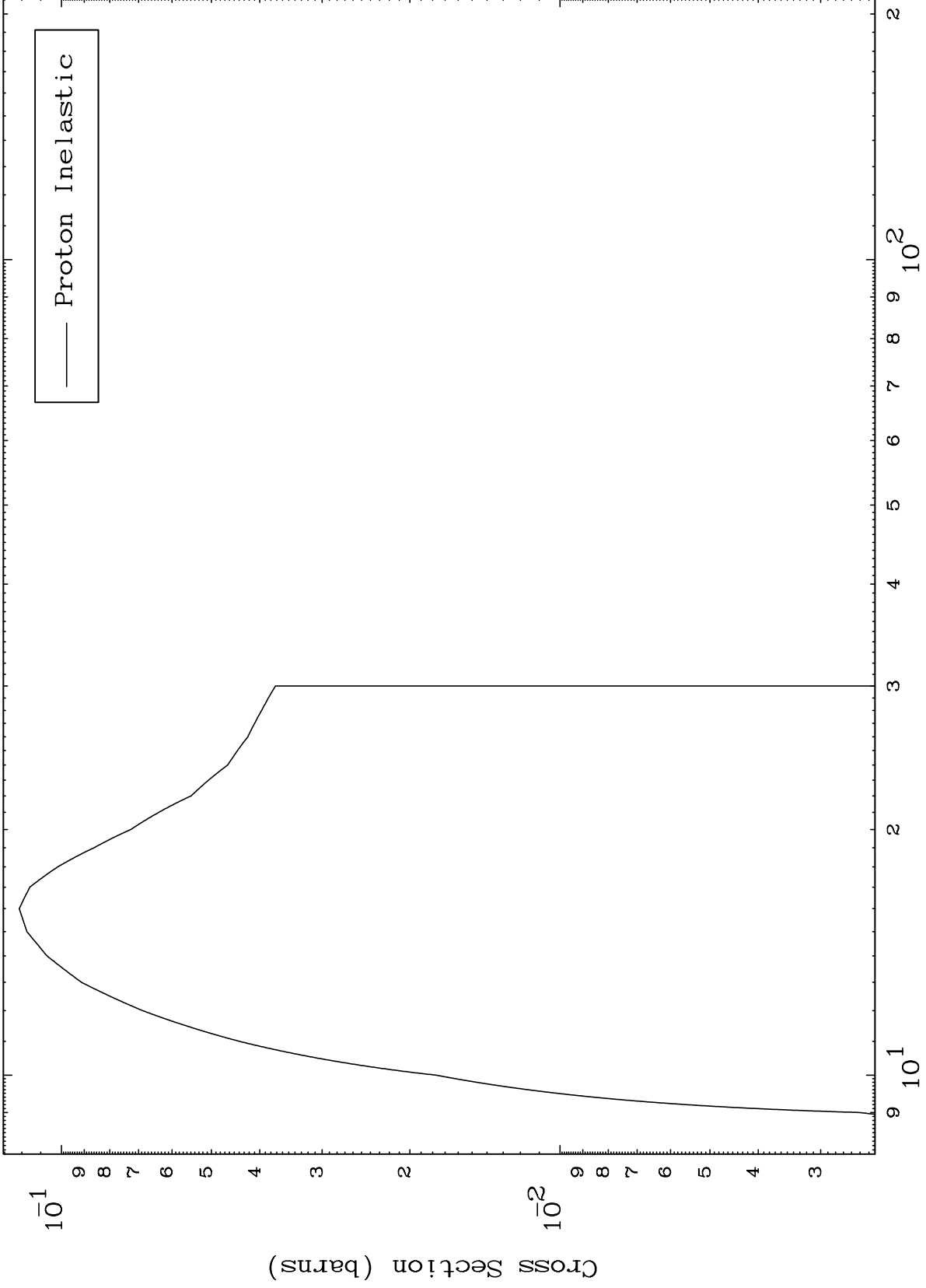


MAT 7186

(p,n') Level

72-Hf-161

0 Kelvin Cross Sections



10<sup>-1</sup>

10<sup>-2</sup>

10<sup>1</sup>

10<sup>2</sup>

— Proton Inelastic

6

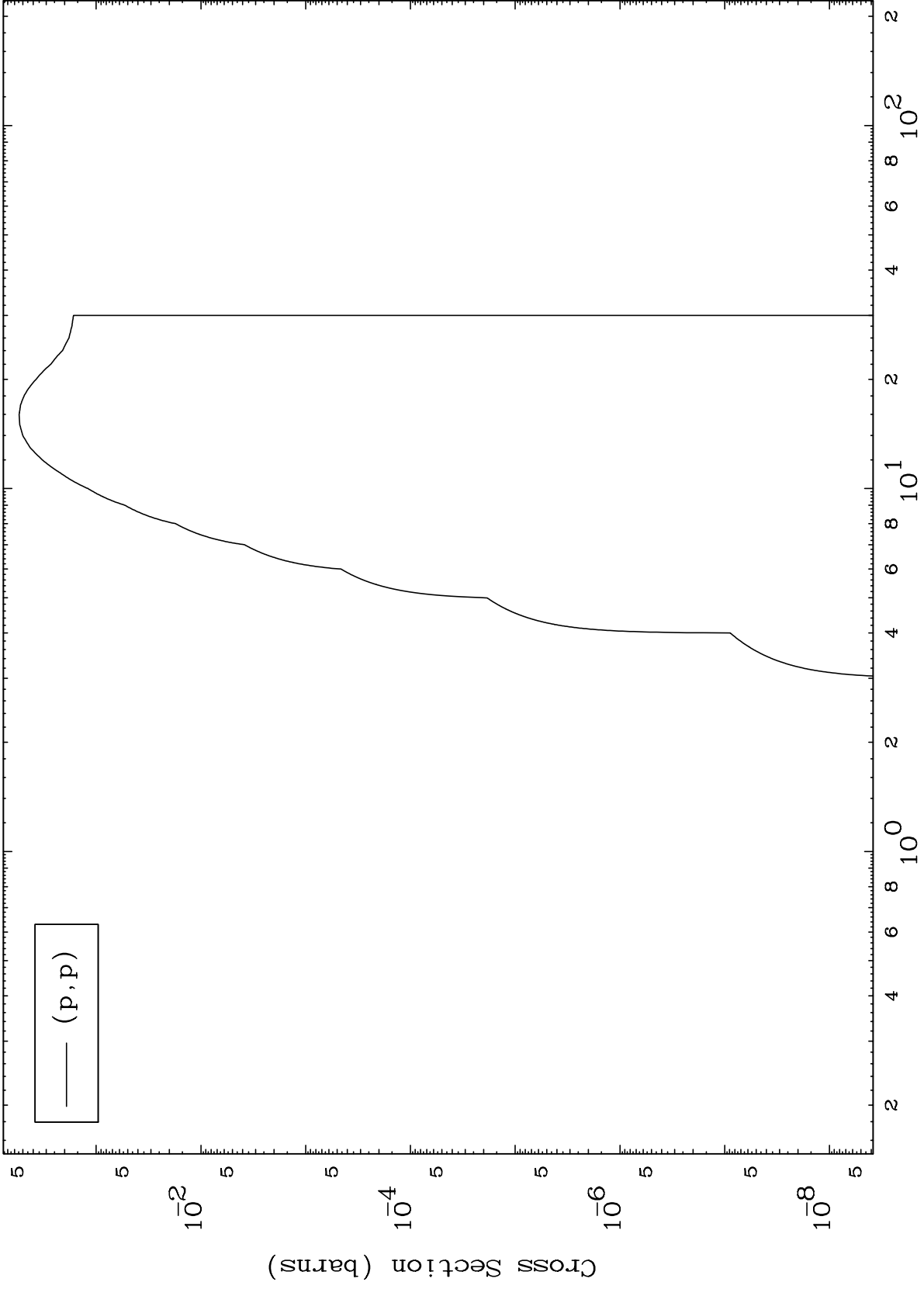
Incident Energy (MeV)

72-Hf-161

MAT 7186

72-Hf-161

(p,p) Levels  
0 Kelvin Cross Sections



7

Incident Energy (MeV)

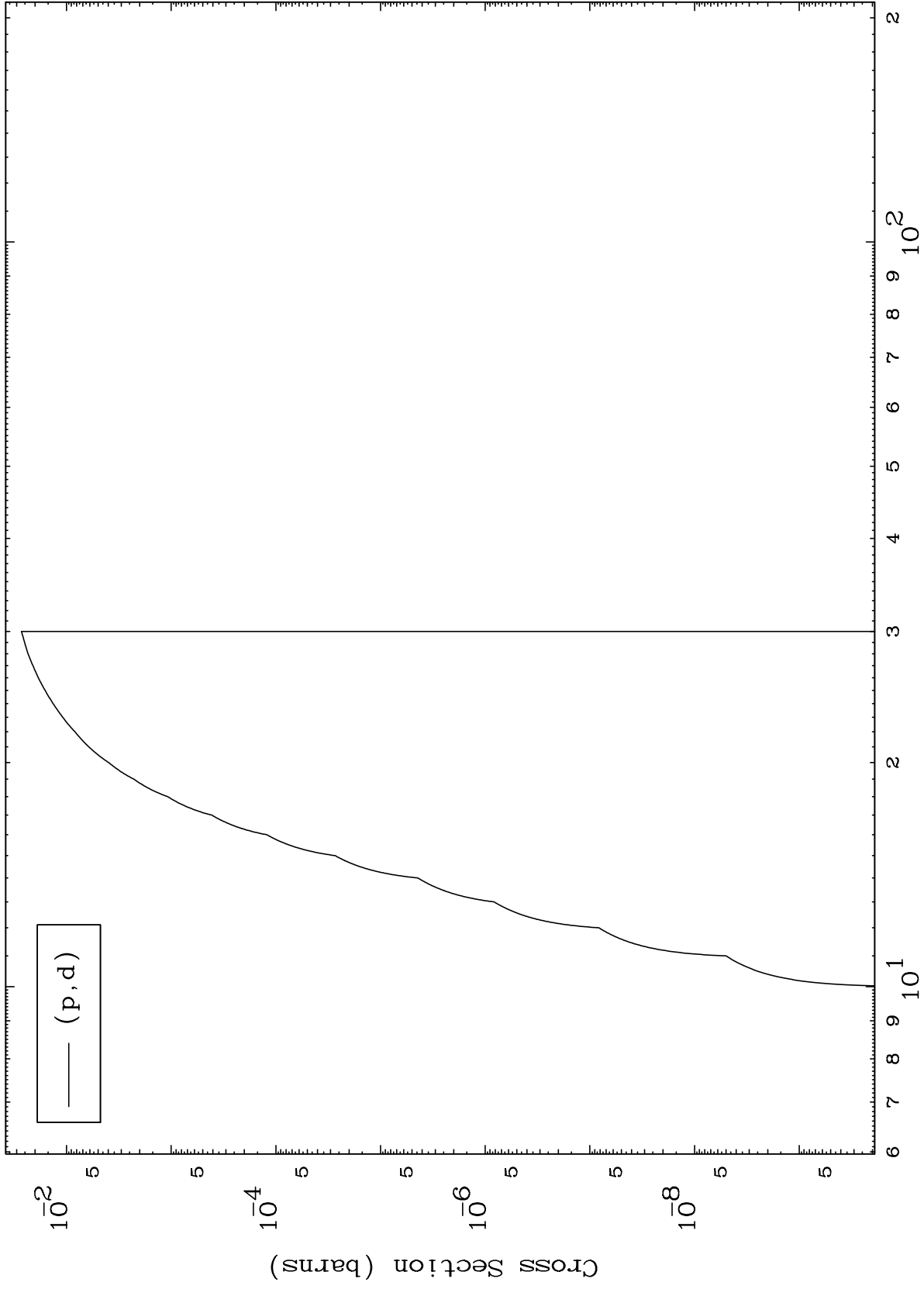
72-Hf-161



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(p,d) Levels  
0 Kelvin Cross Sections

72-Hf-161

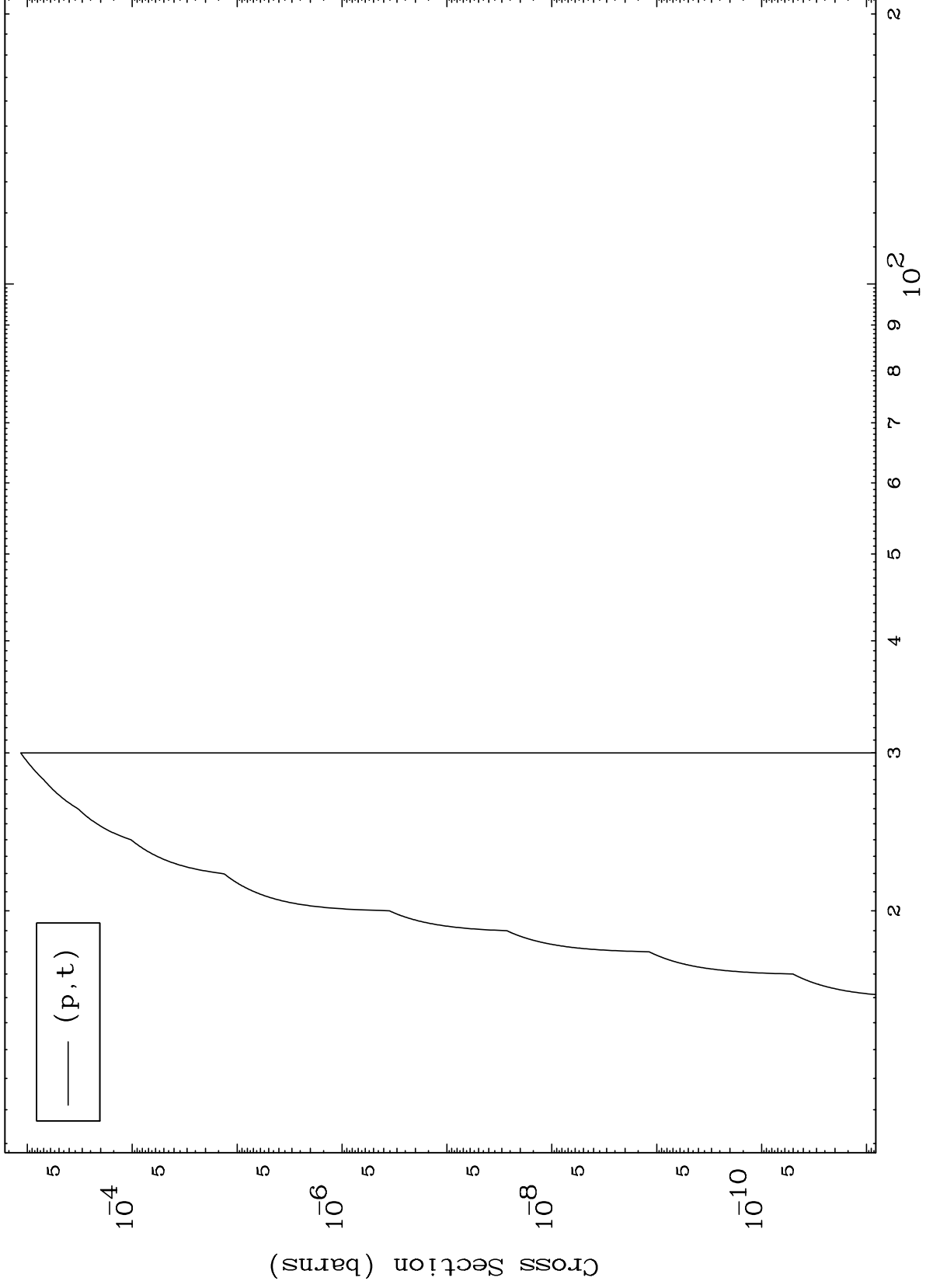


8

Incident Energy (MeV)

72-Hf-161

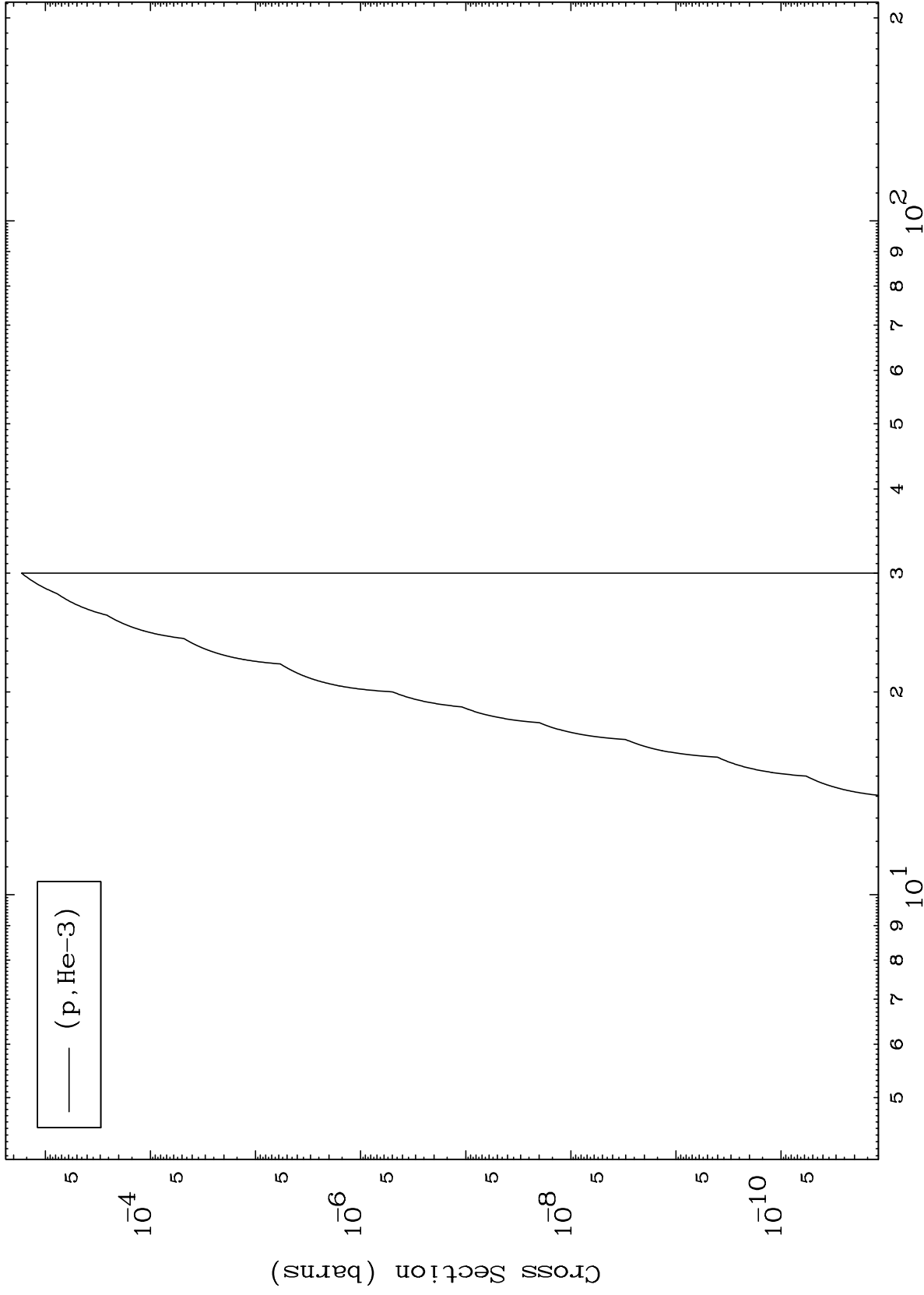
(p,t) Levels  
0 Kelvin Cross Sections



MAT 7186

(p,He3) Levels  
0 Kelvin Cross Sections

72-Hf-161



10

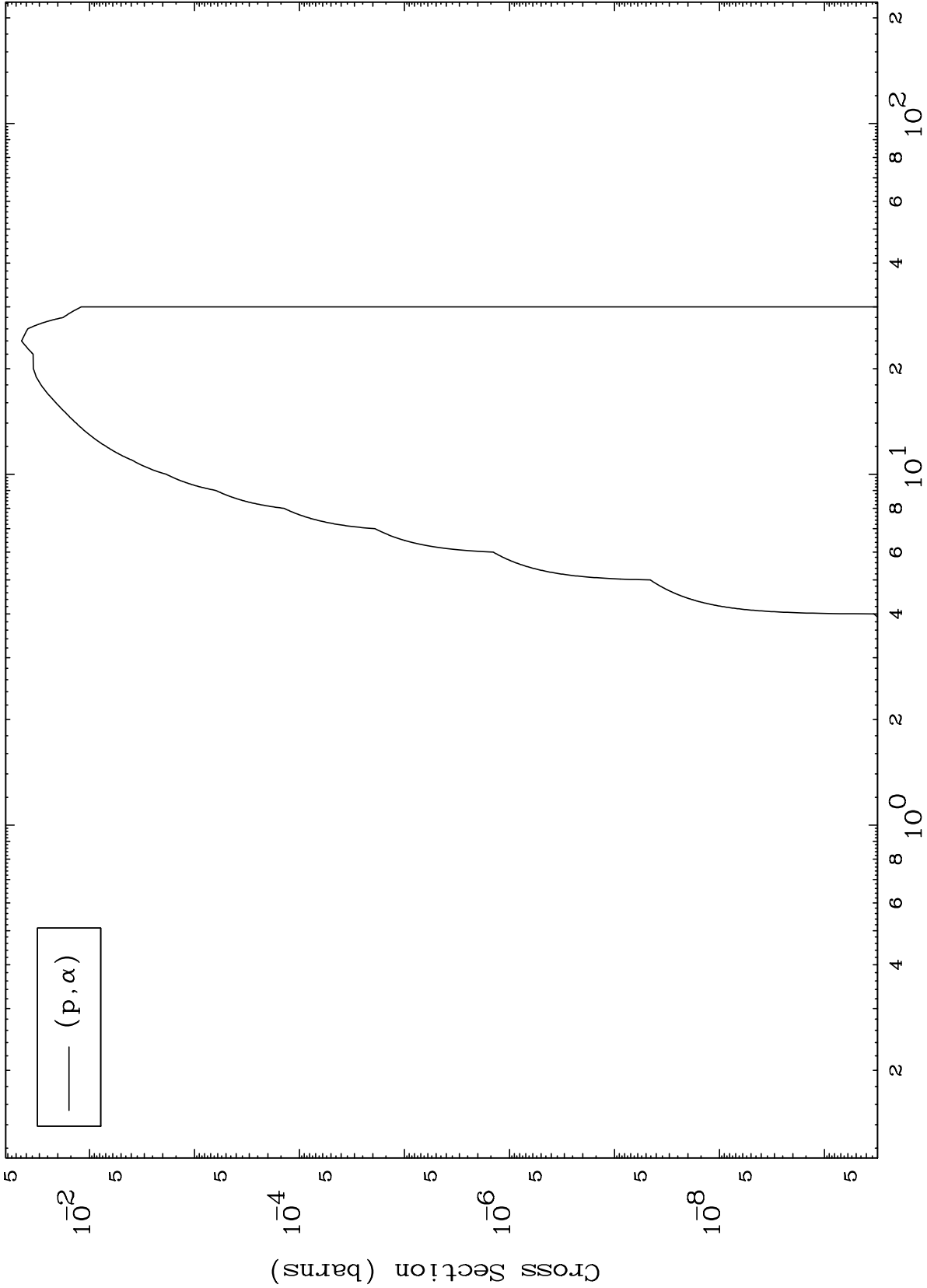
Incident Energy (MeV)

72-Hf-161

MAT 7186

72-Hf-161

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



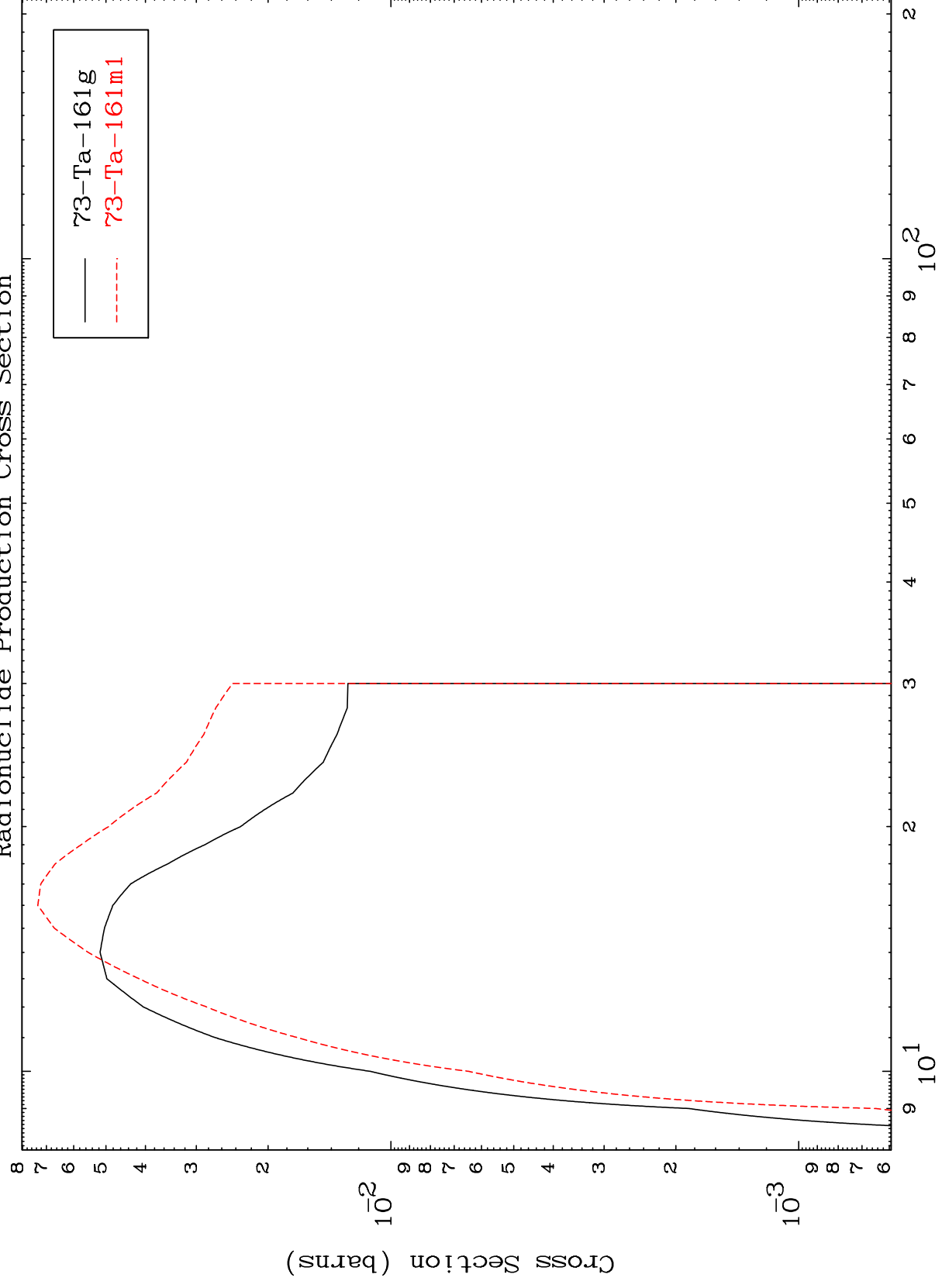
72-Hf-161

Incident Energy (MeV)

MAT 7186

Proton Inelastic  
Radionuclide Production Cross Section

72-Hf-161



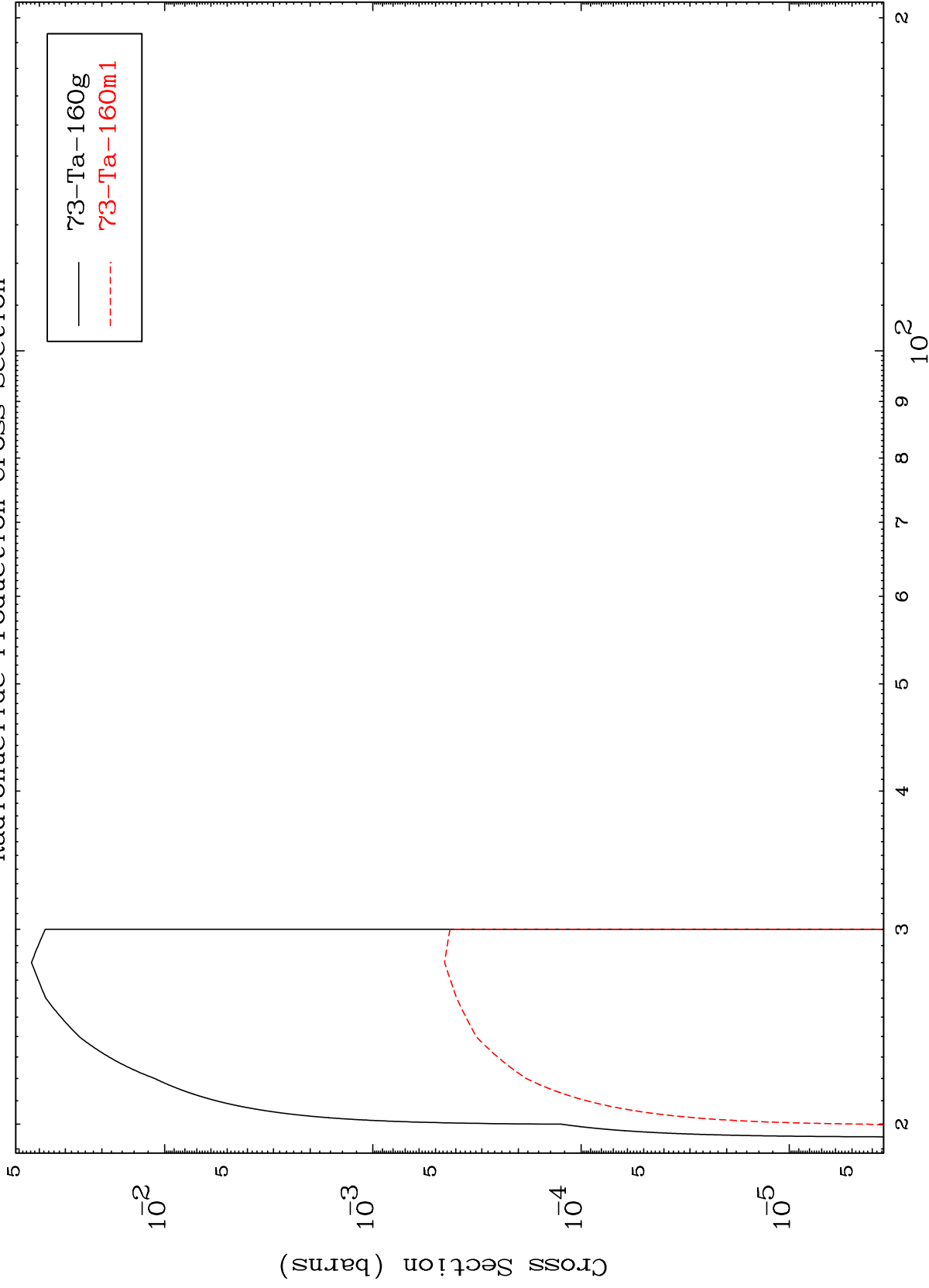
73-Ta-161g  
73-Ta-161m1

12

Incident Energy (MeV)

72-Hf-161

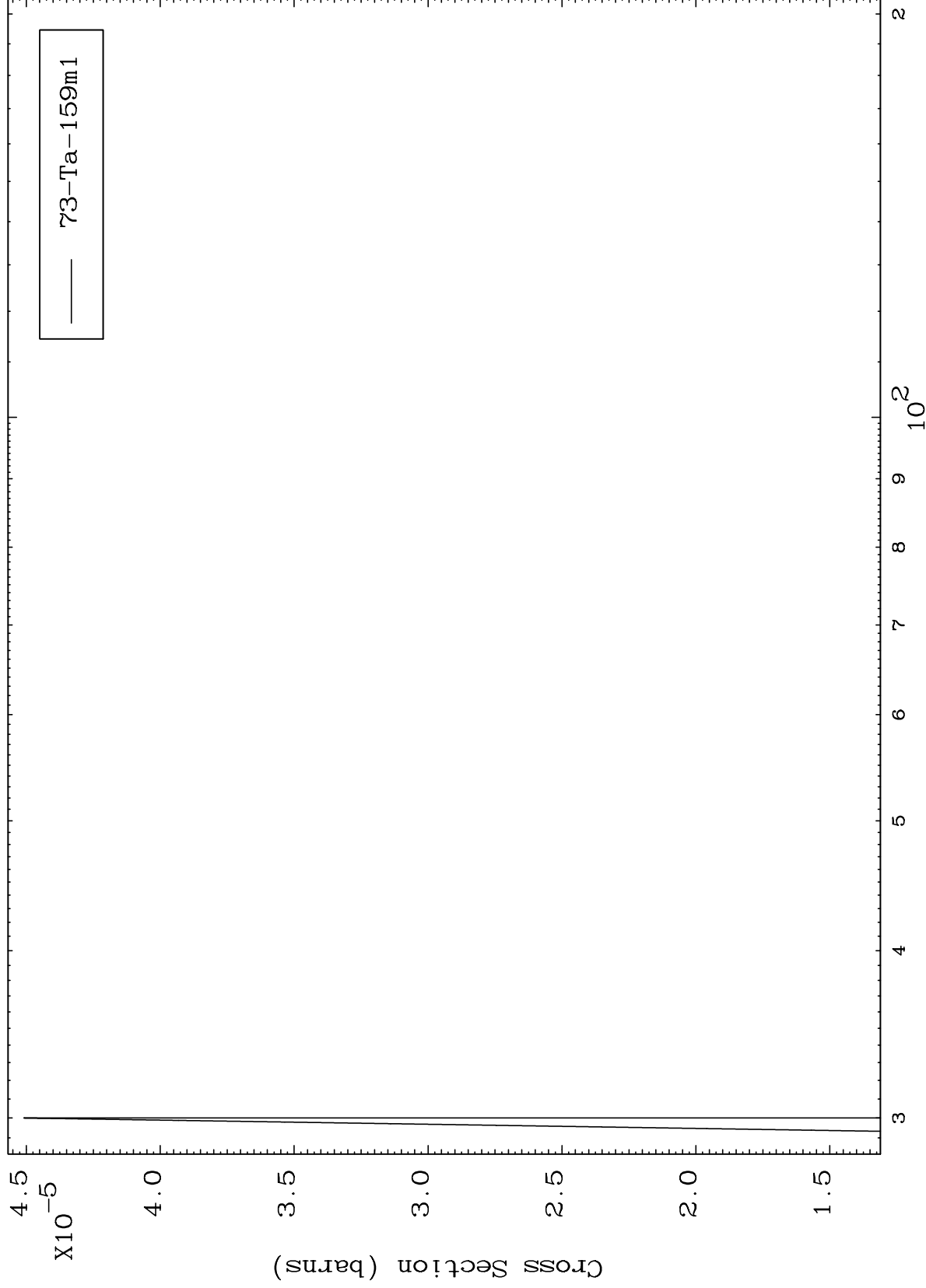
Radionuclide Production Cross Section



MAT 7186

72-Hf-161

(p,3n)  
Radionuclide Production Cross Section



14

Incident Energy (MeV)

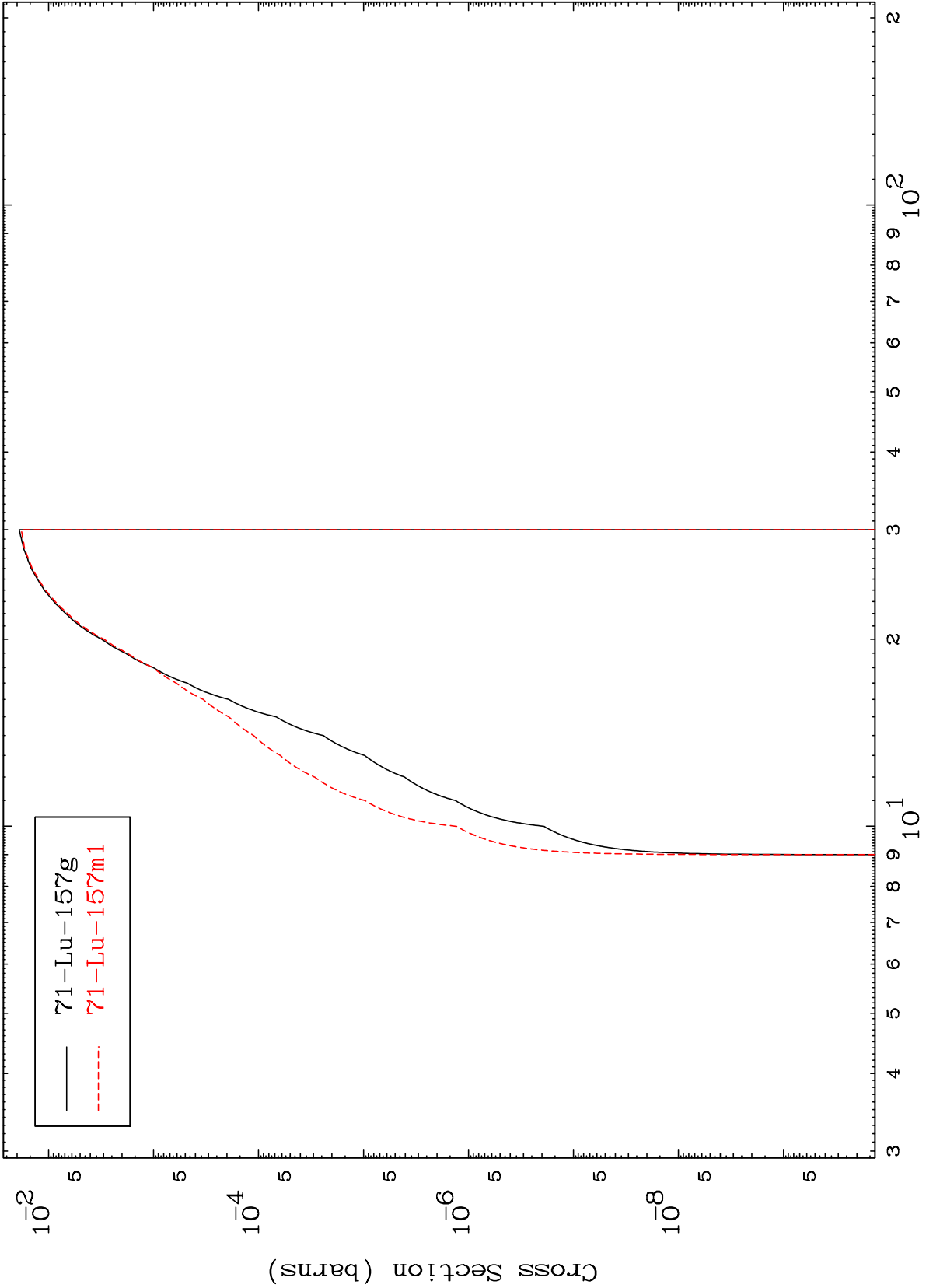
72-Hf-161

MAT 7186

72-Hf-161

(p,n')  $\alpha$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

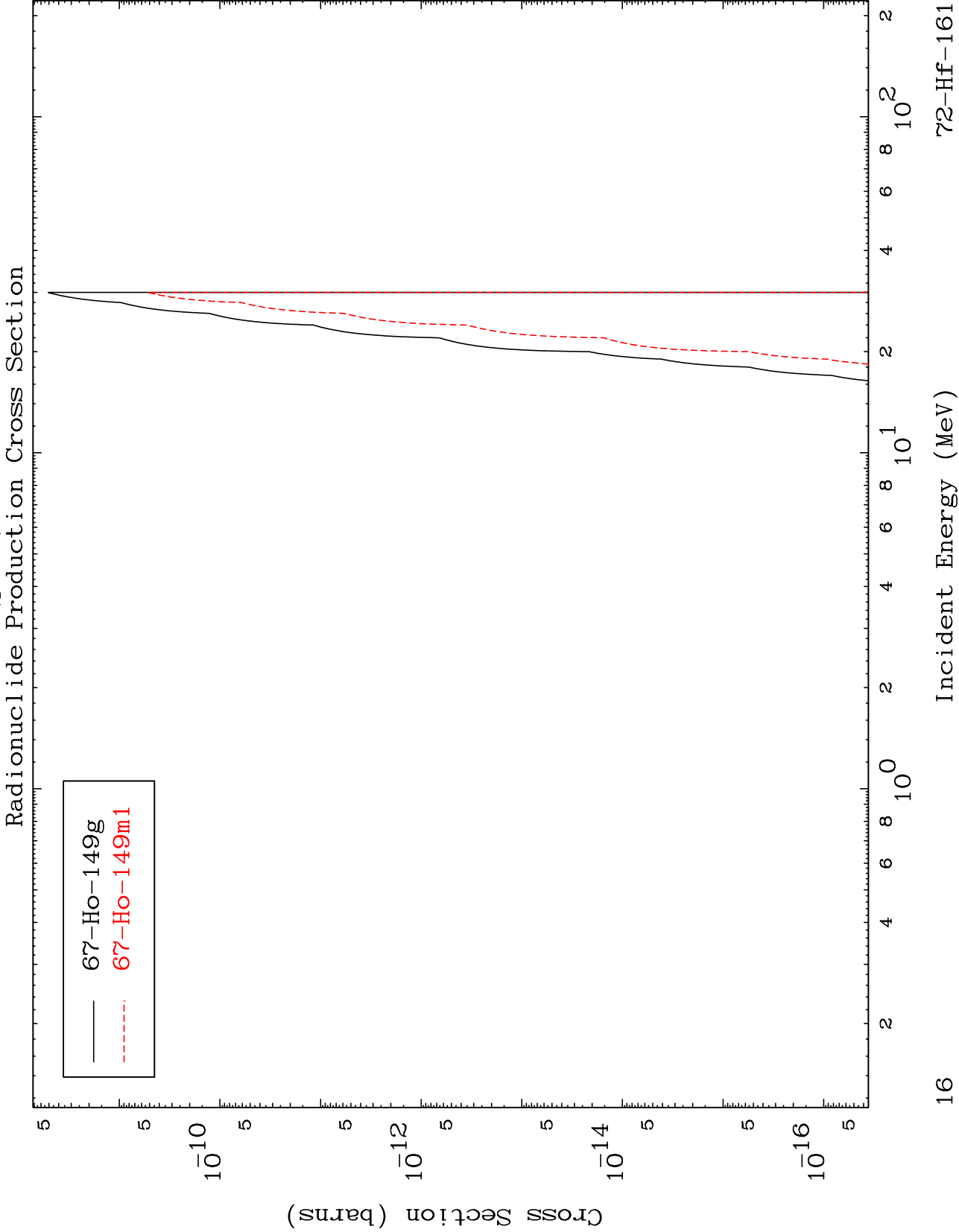
72-Hf-161



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(p,n') 3 $\alpha$

72-Hf-161



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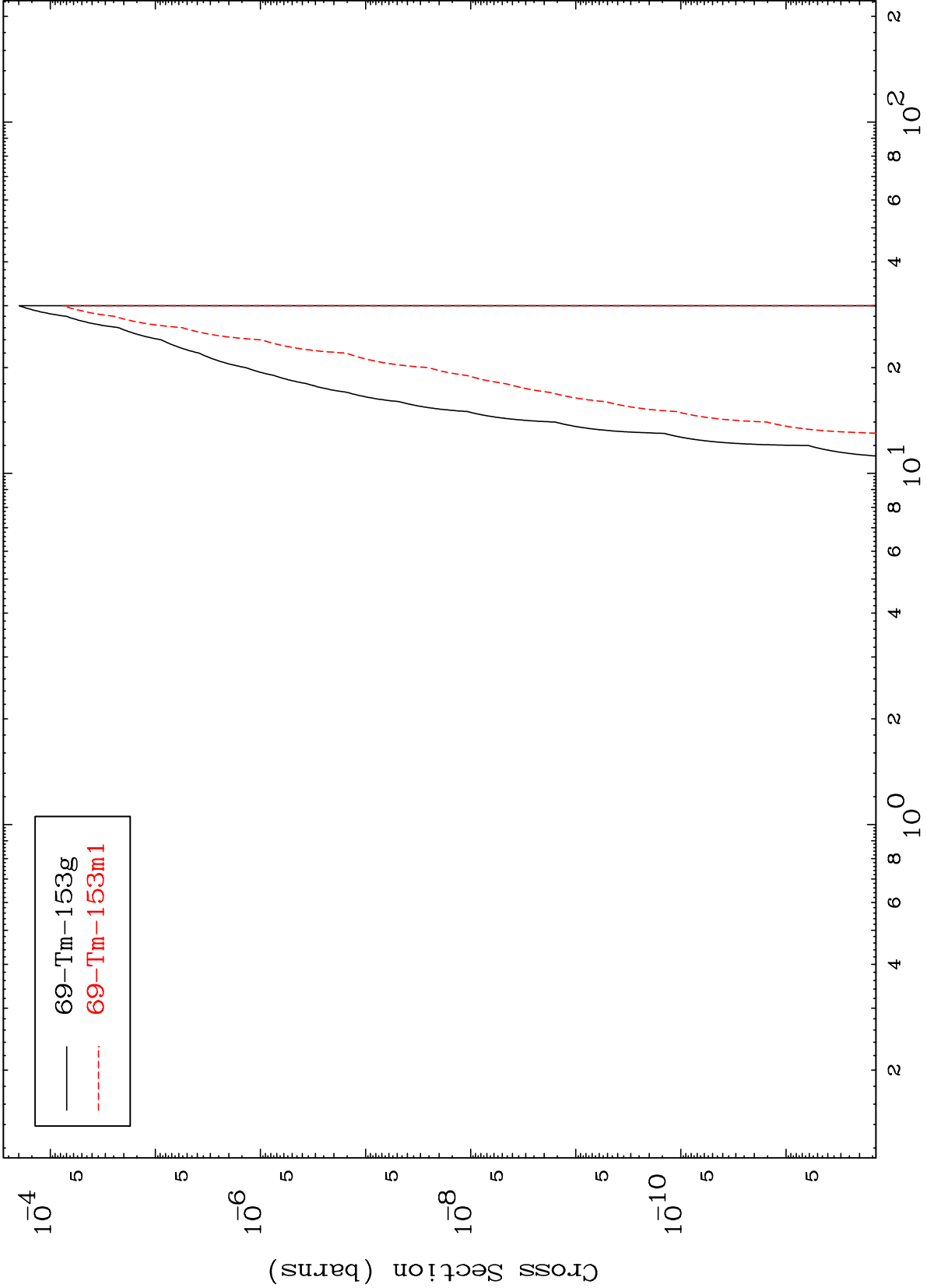
72-Hf-161

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(p,n') 2 $\alpha$

72-Hf-161

Radionuclide Production Cross Section

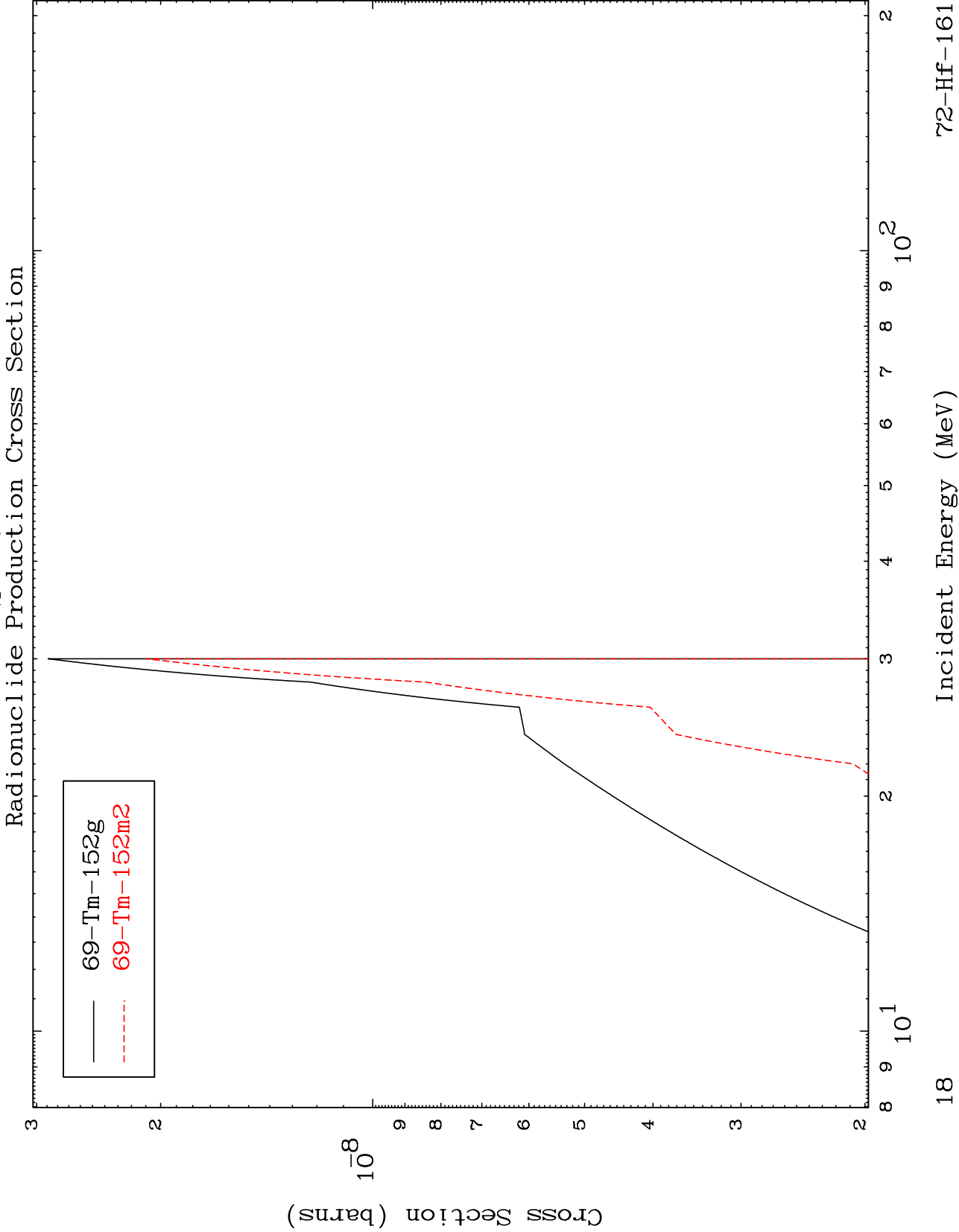


69-Tm-153g  
69-Tm-153m1

MAT 7186

(p,2n) 2α

72-Hf-161



18

Incident Energy (MeV)

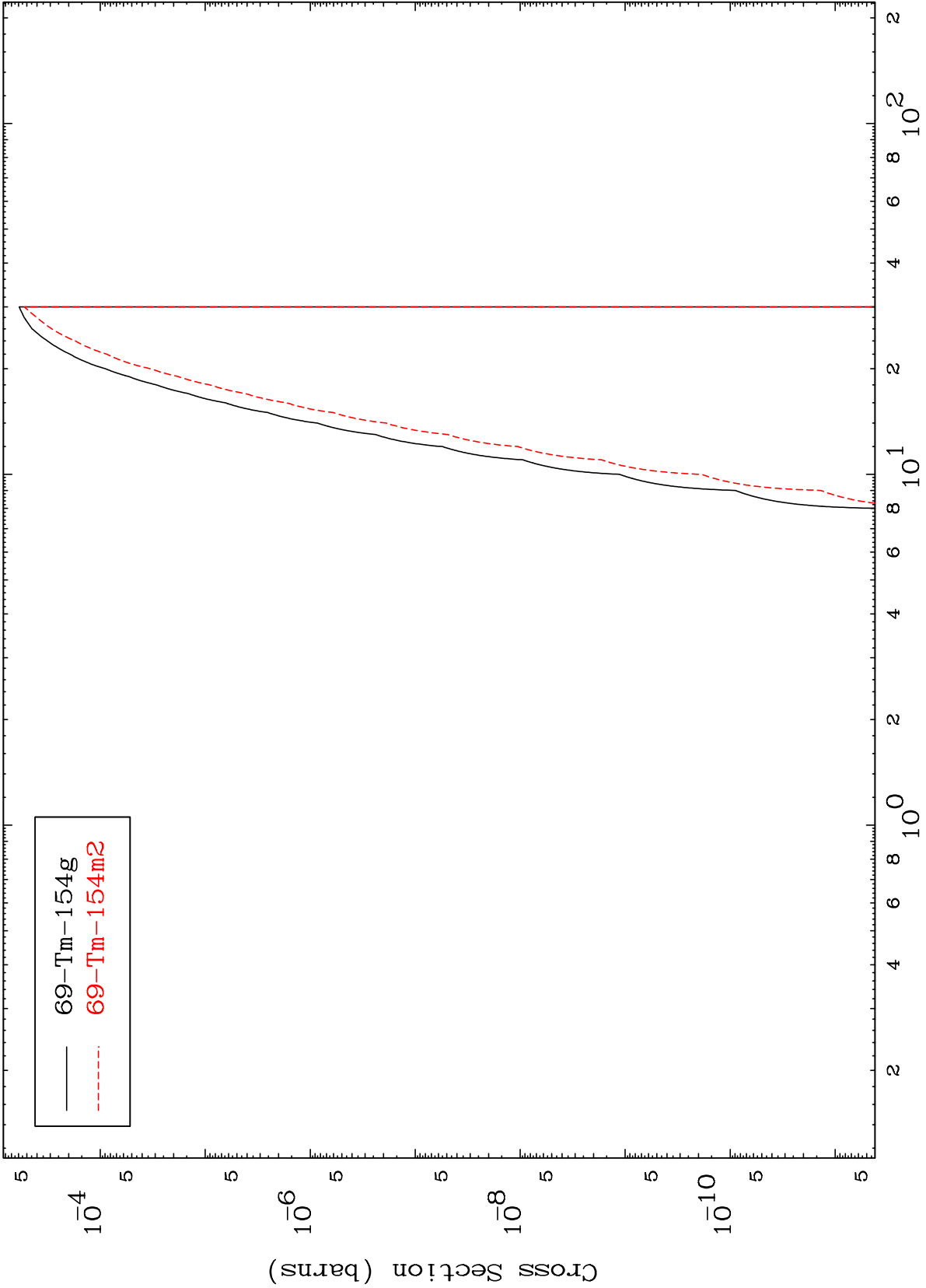
72-Hf-161

MAT 7186

(p,2 $\alpha$ )

72-Hf-161

Radionuclide Production Cross Section

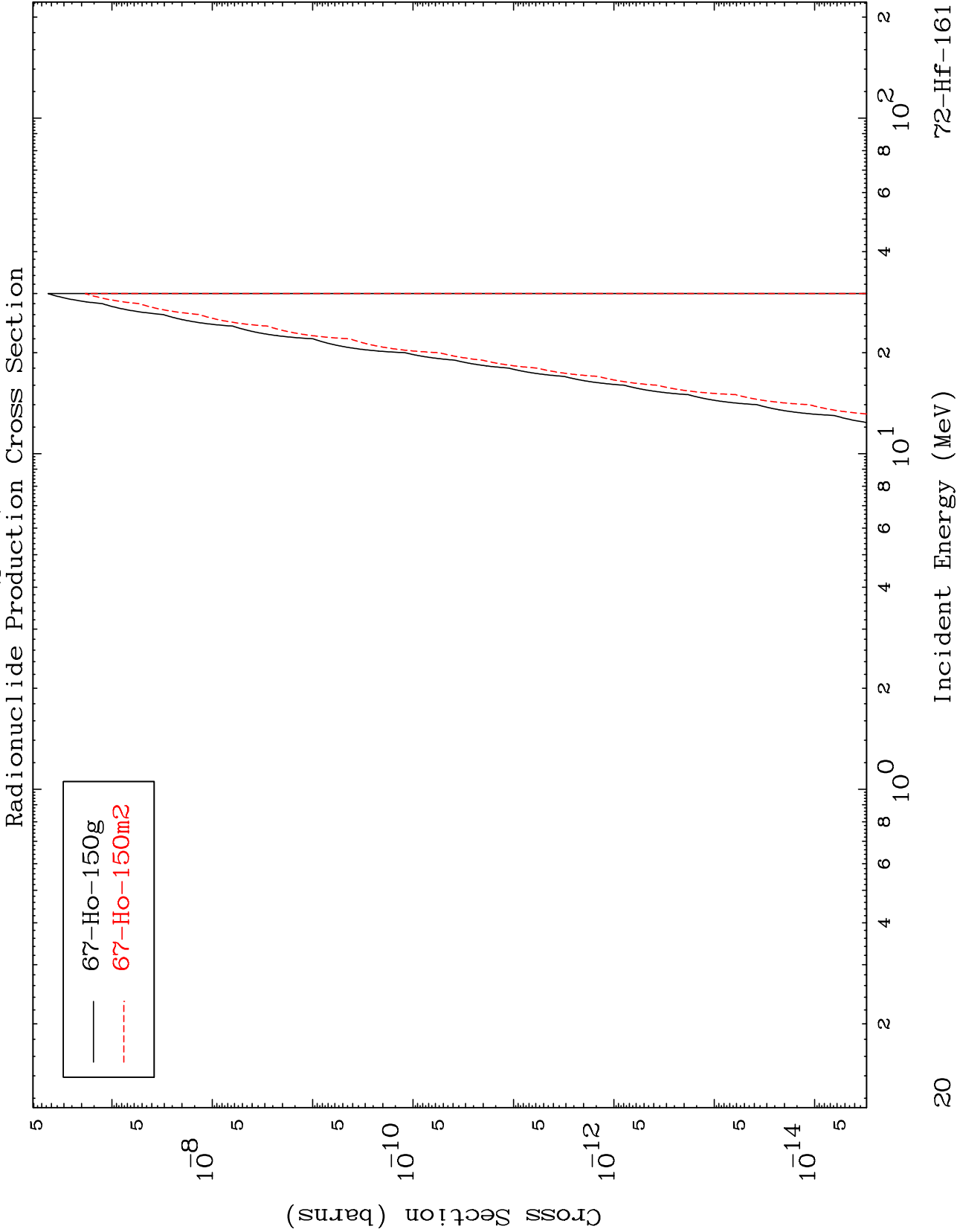


69-Tm-154g  
69-Tm-154m2

MAT 7186

(p,3 $\alpha$ )

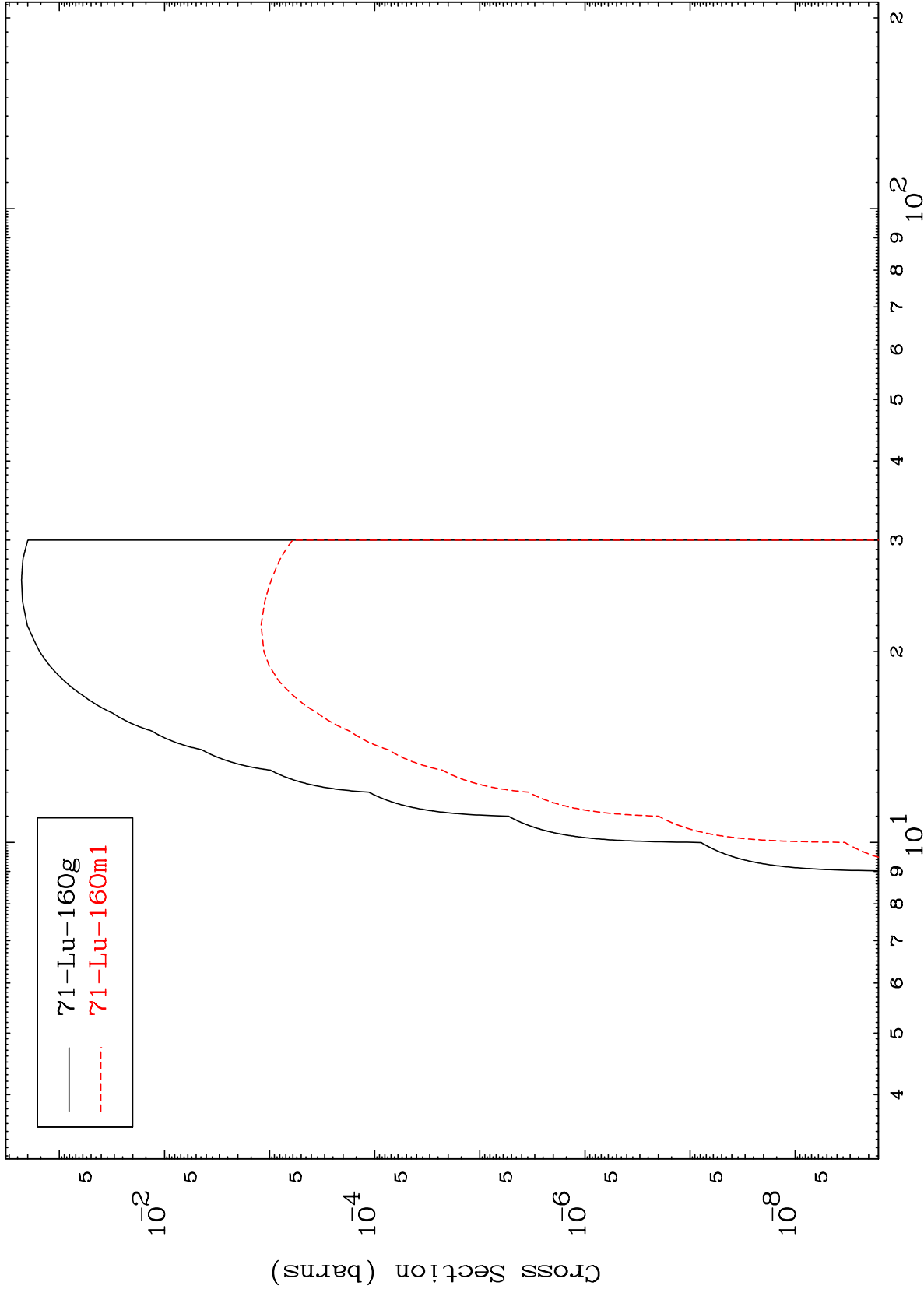
72-Hf-161



MAT 7186

72-Hf-161

(p,2p)  
Radionuclide Production Cross Section



21

Incident Energy (MeV)

72-Hf-161