

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

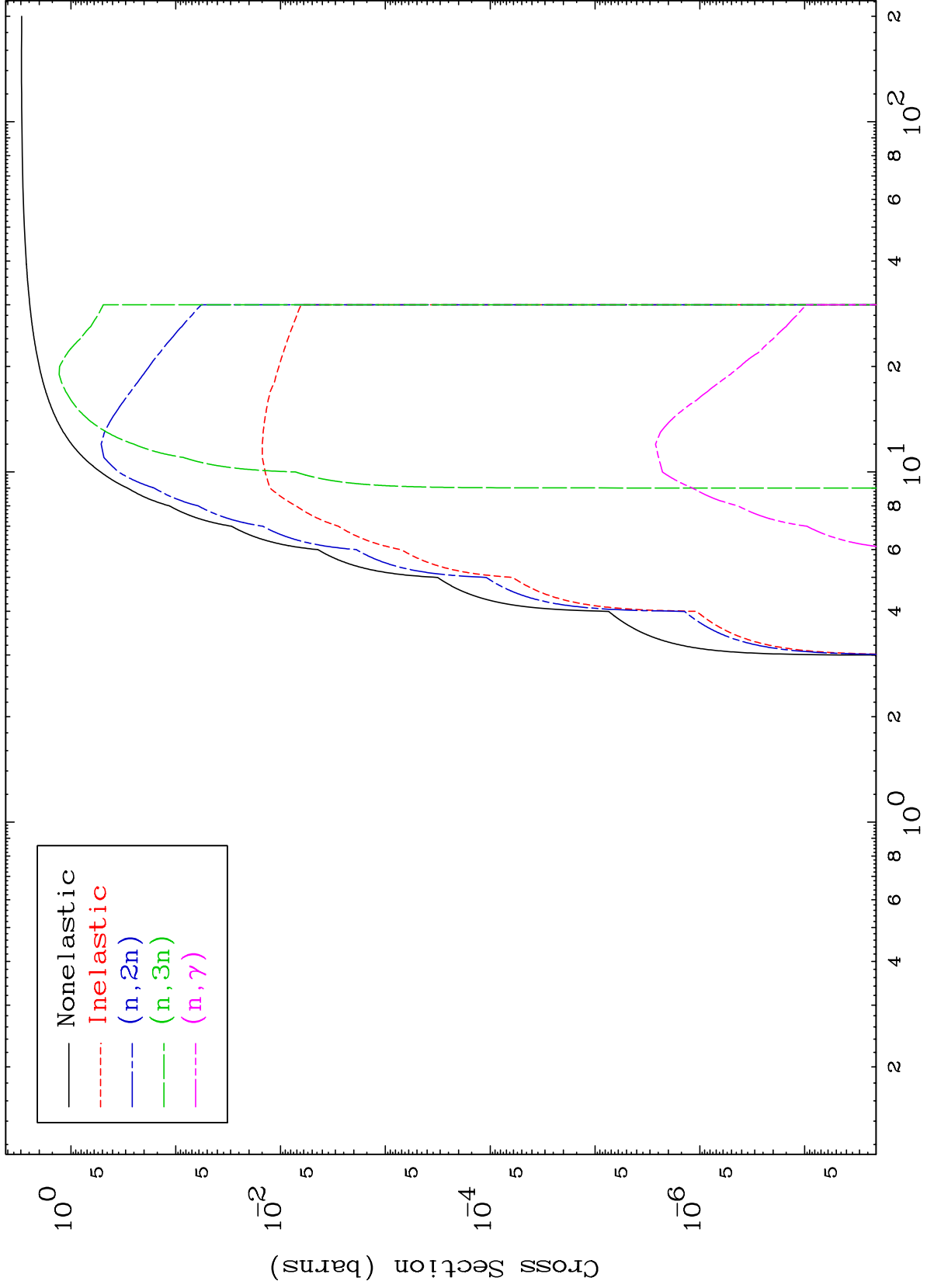
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

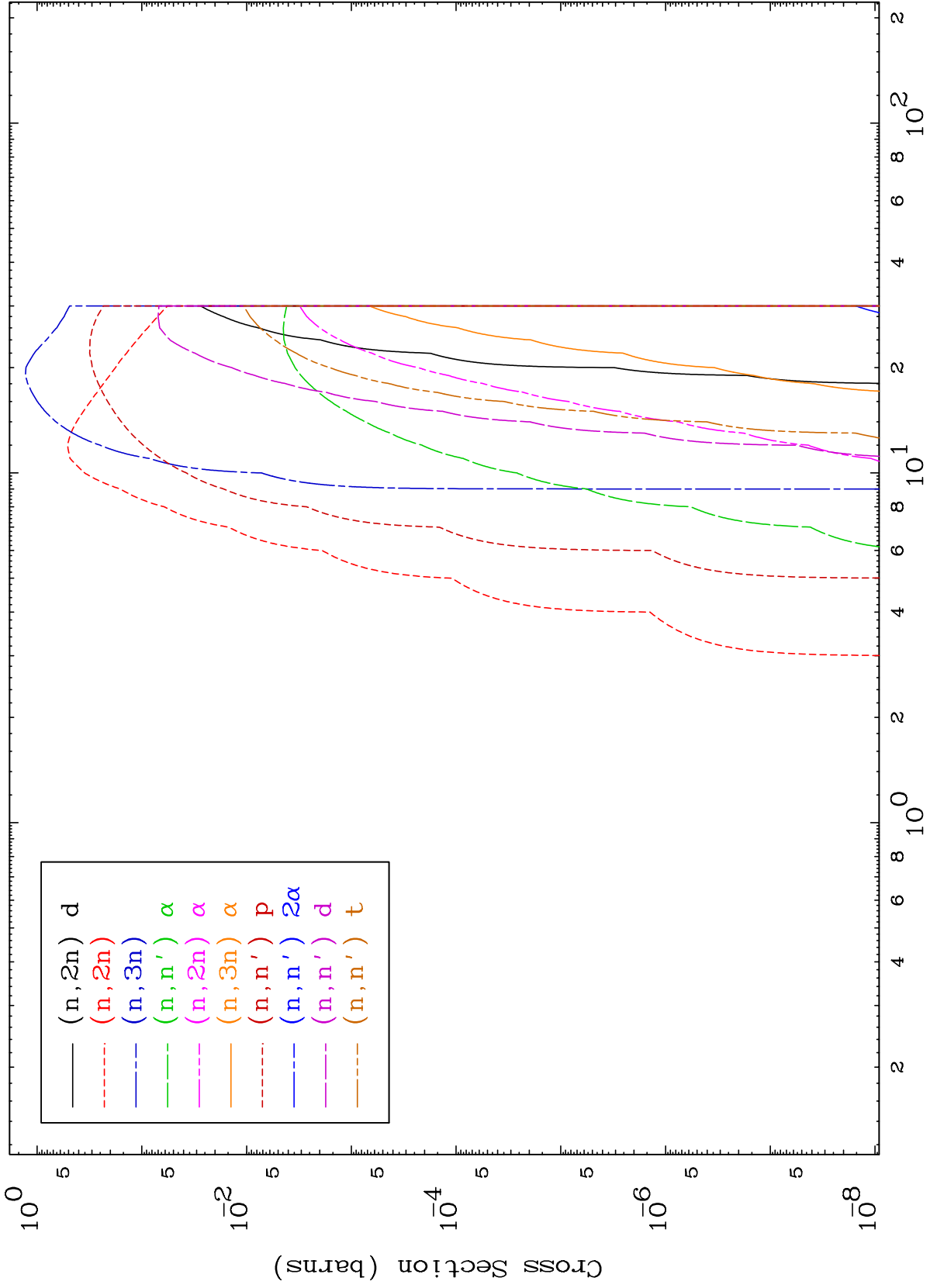
Press Mouse Button to Start



MAT 7131

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

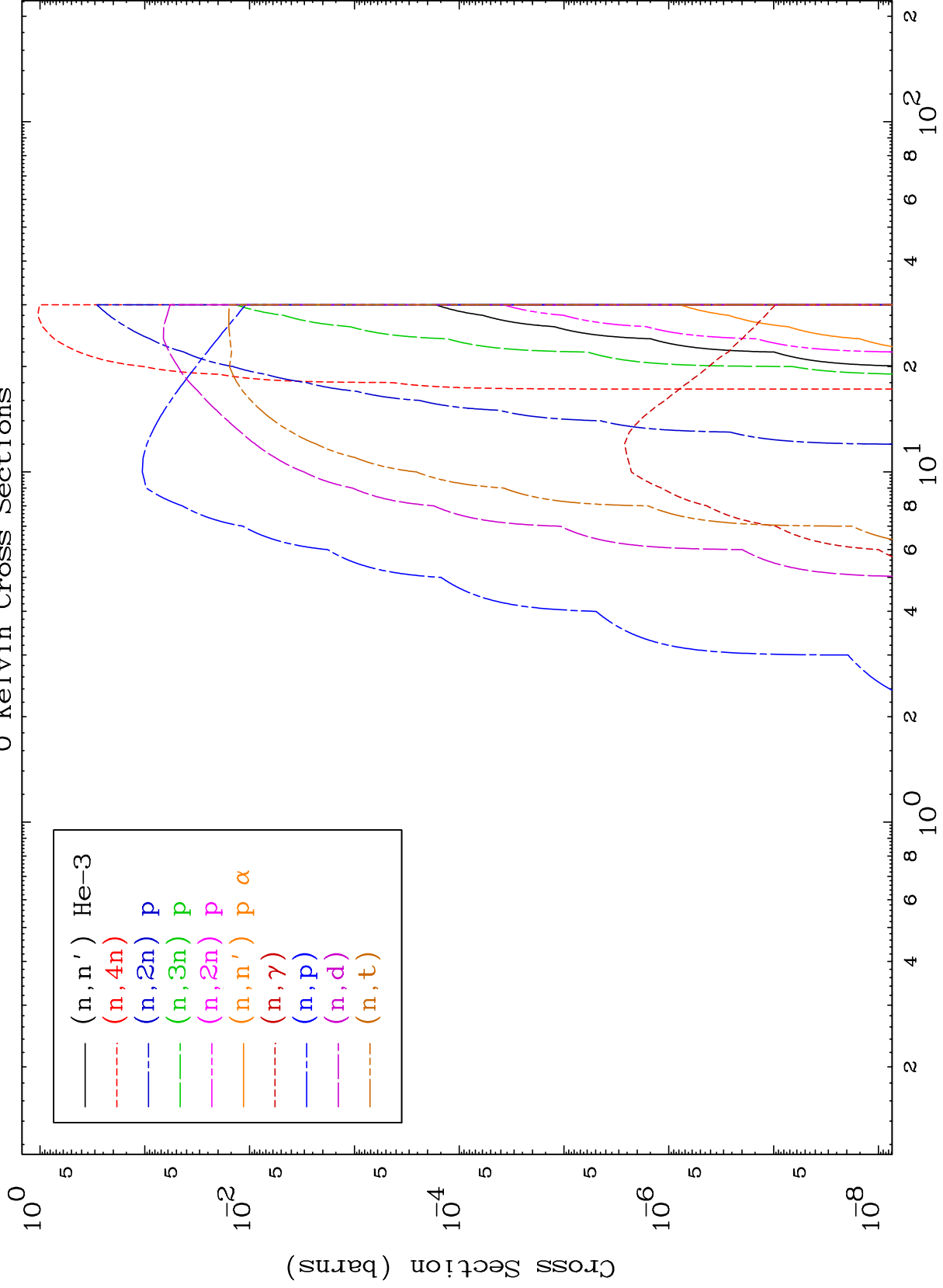
71-Lu-177



MAT 7131

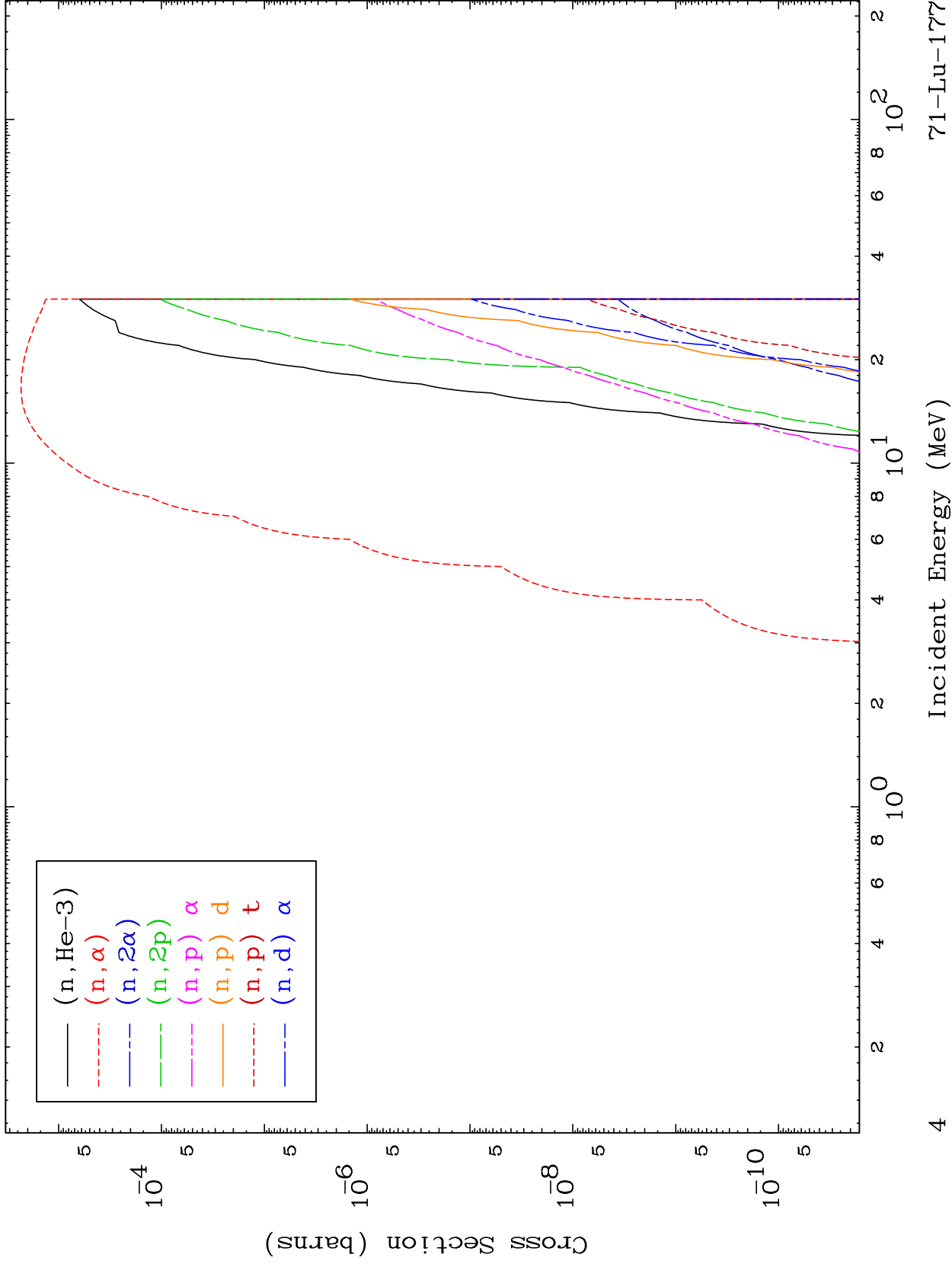
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

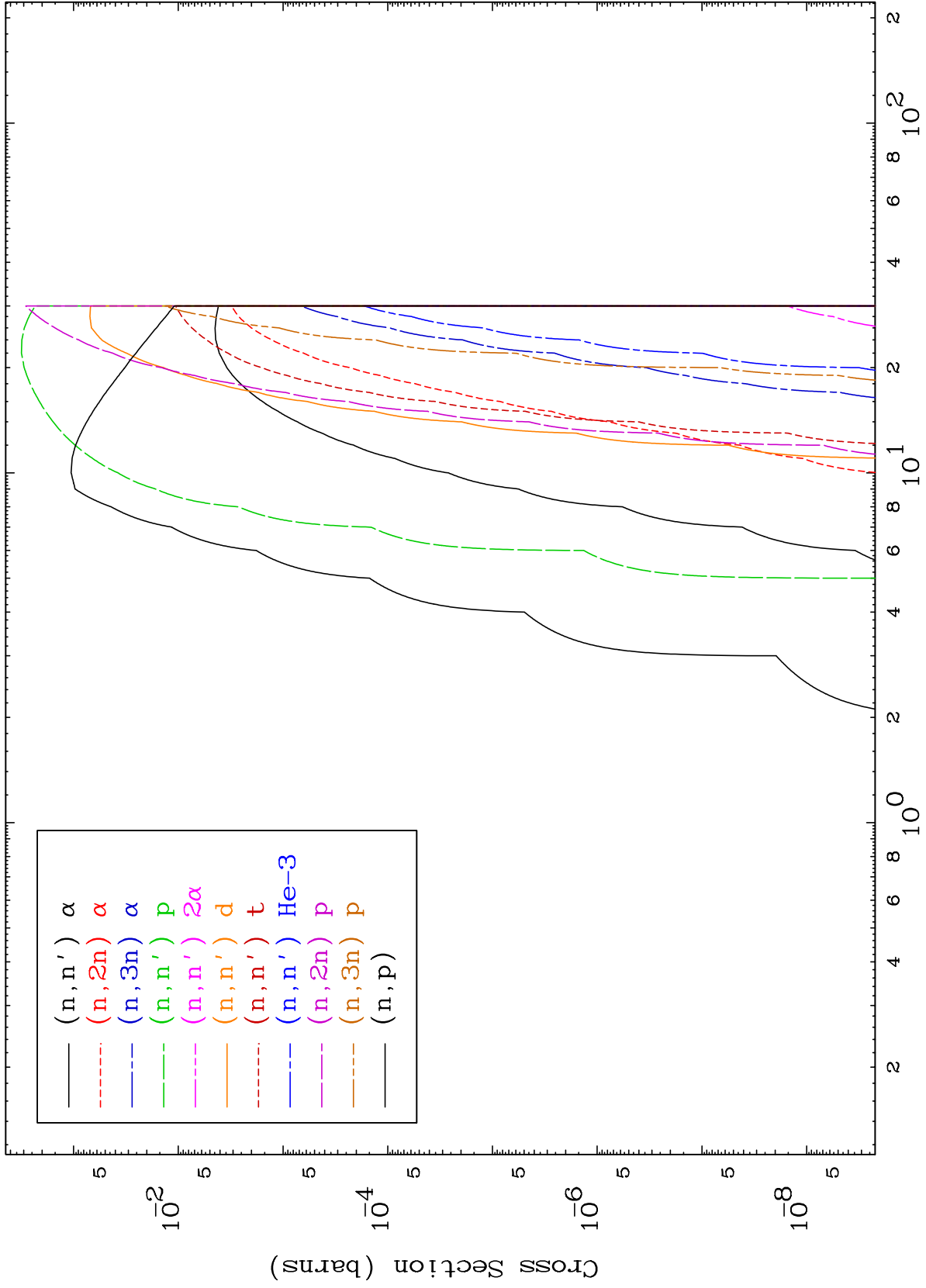
71-Lu-177

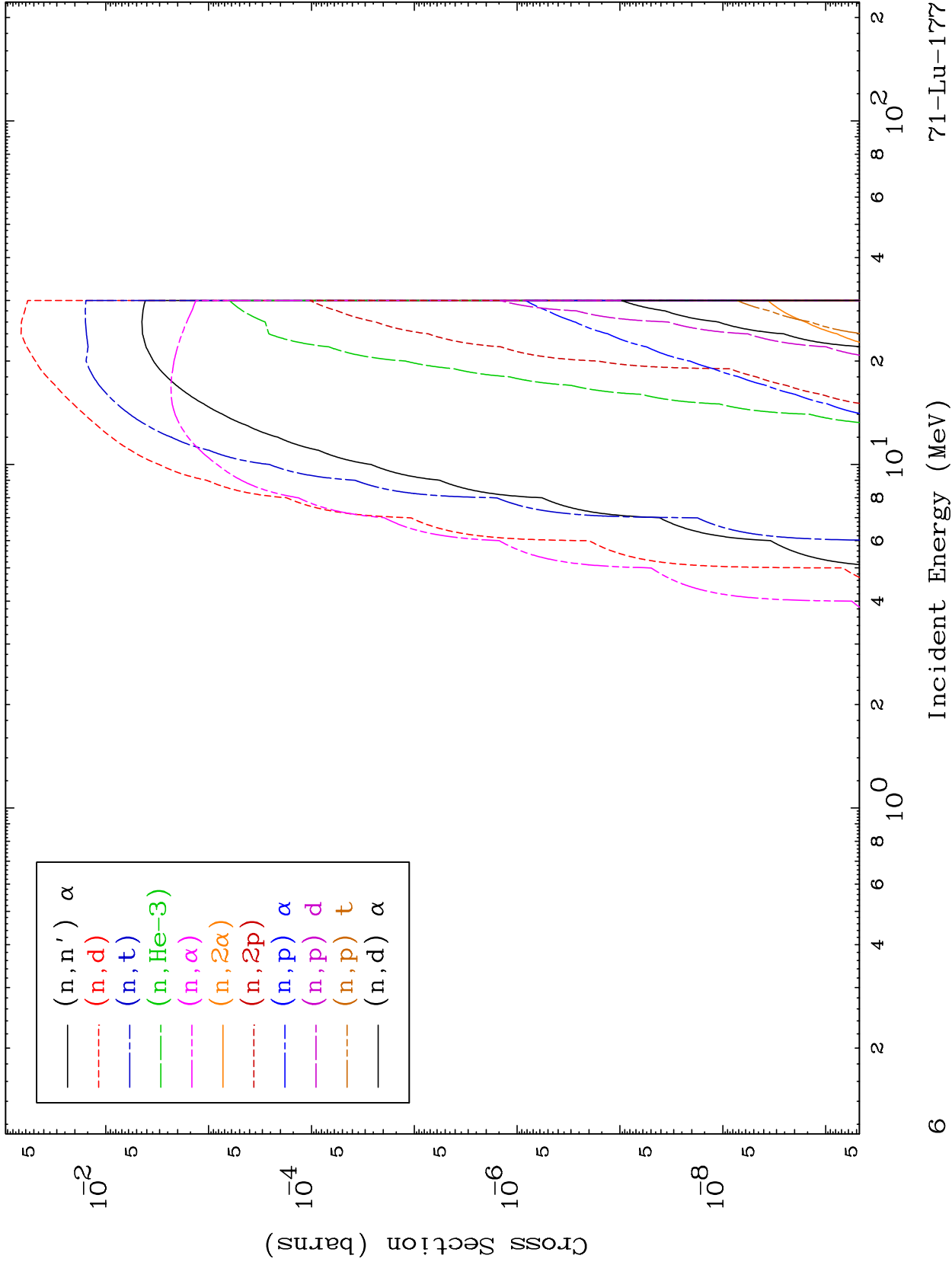


Incident Energy (MeV)

71-Lu-177





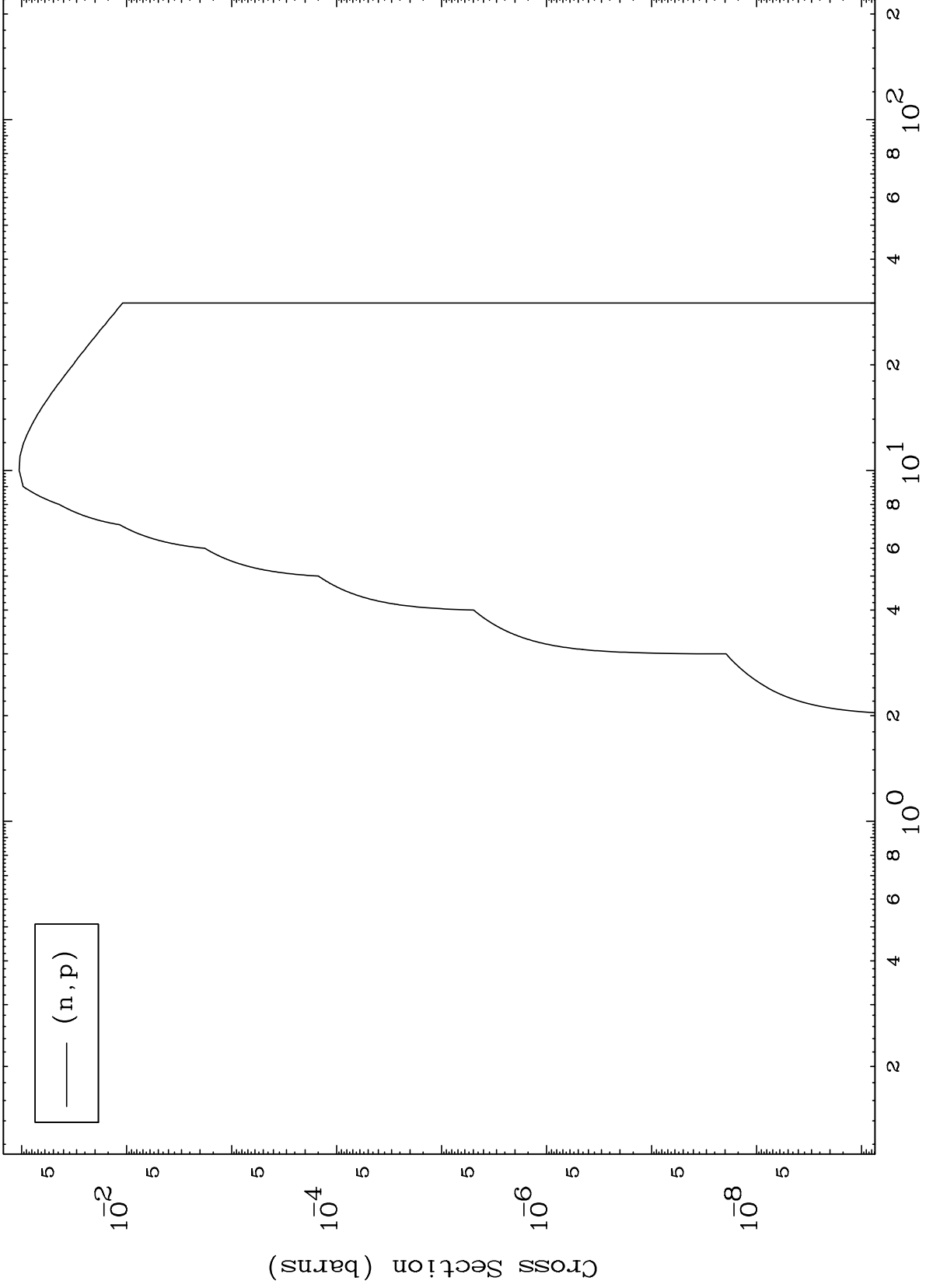


MAT 7131

(d,p) Levels

71-Lu-177

0 Kelvin Cross Sections



7

Incident Energy (MeV)

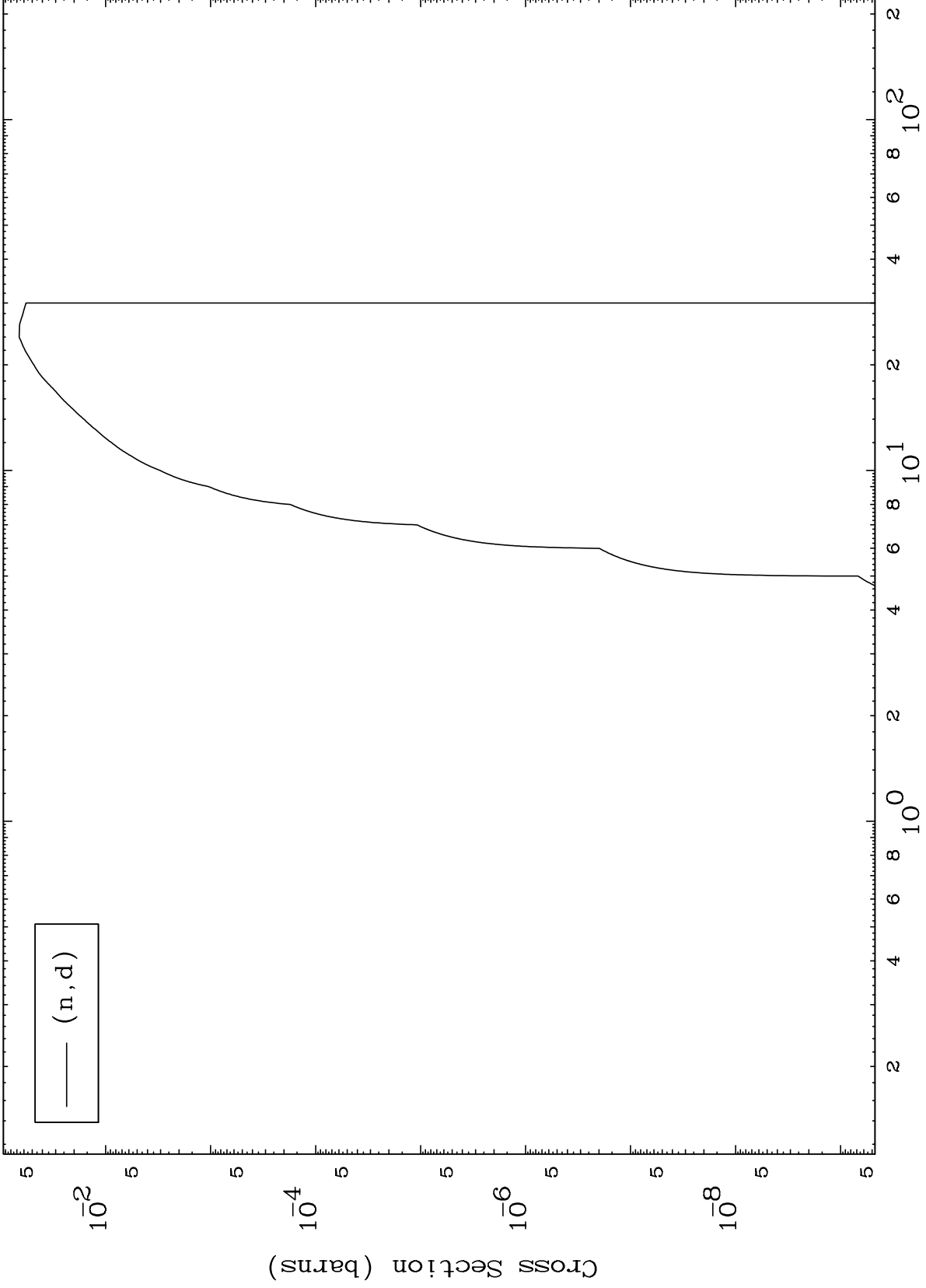
71-Lu-177

MAT 7131

(d,d) Levels

71-Lu-177

0 Kelvin Cross Sections

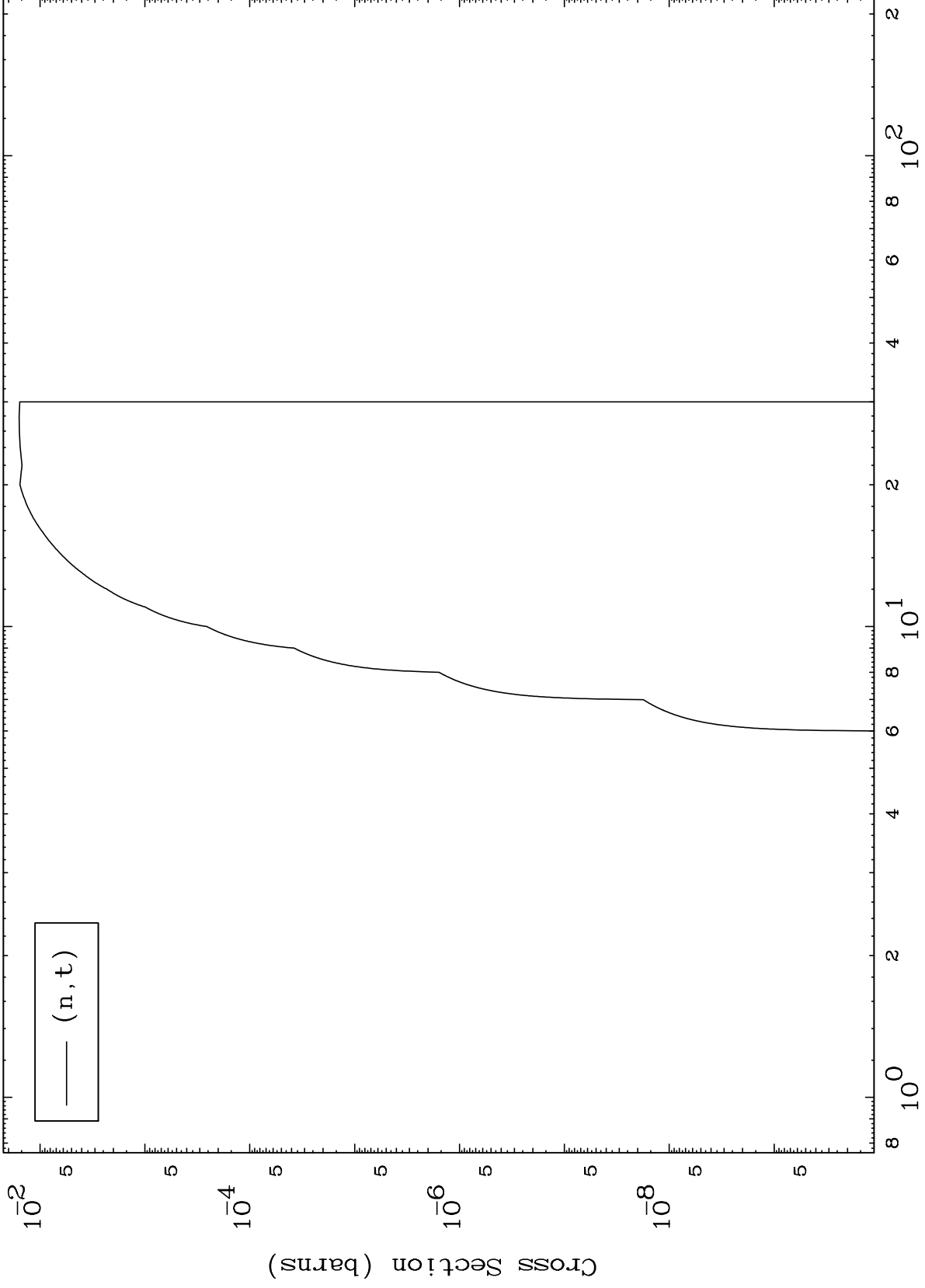


MAT 7131

(d, t) Levels

71-Lu-177

0 Kelvin Cross Sections



Incident Energy (MeV)

71-Lu-177

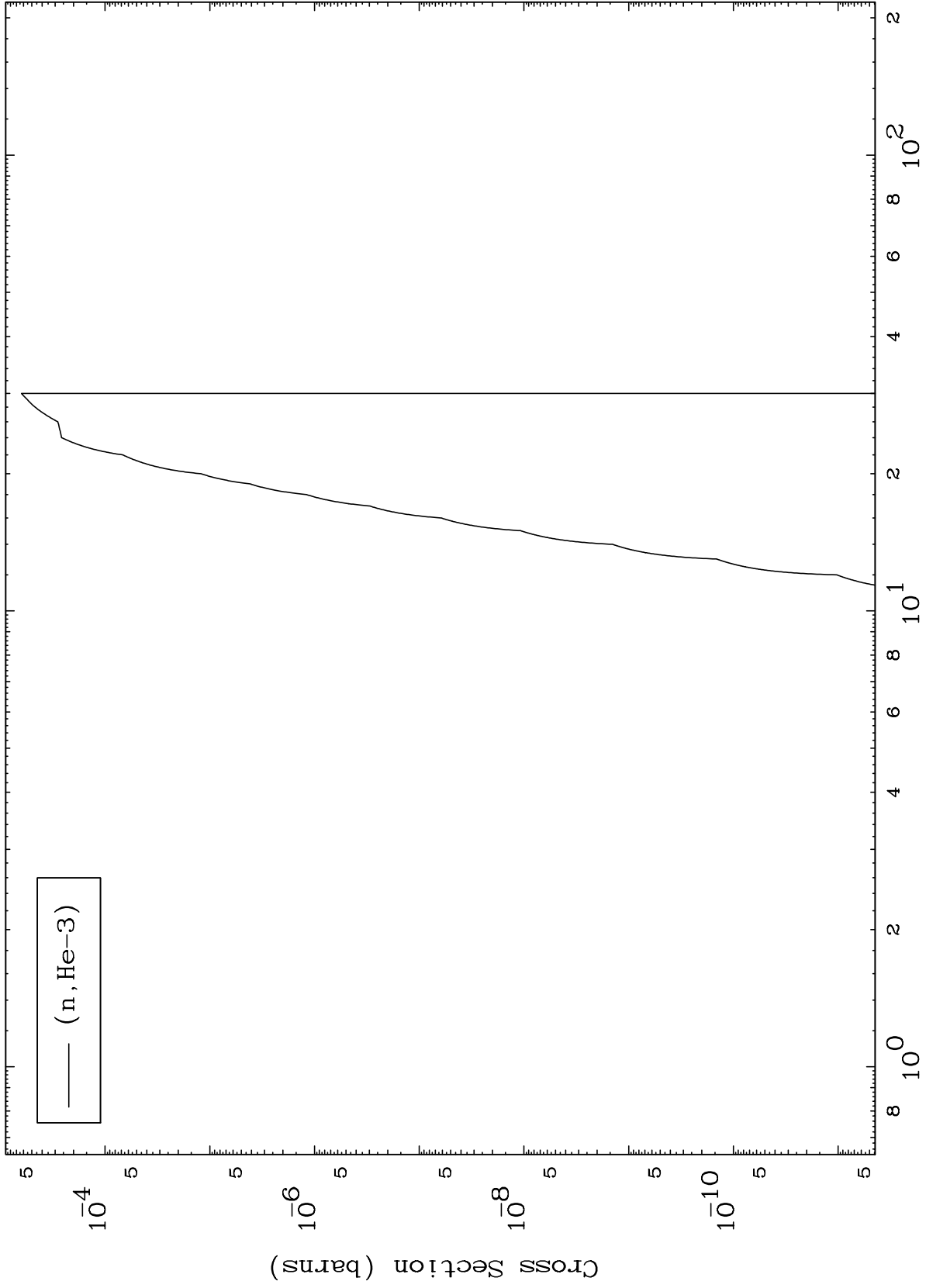
9

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(d,He3) Levels

71-Lu-177

0 Kelvin Cross Sections



10

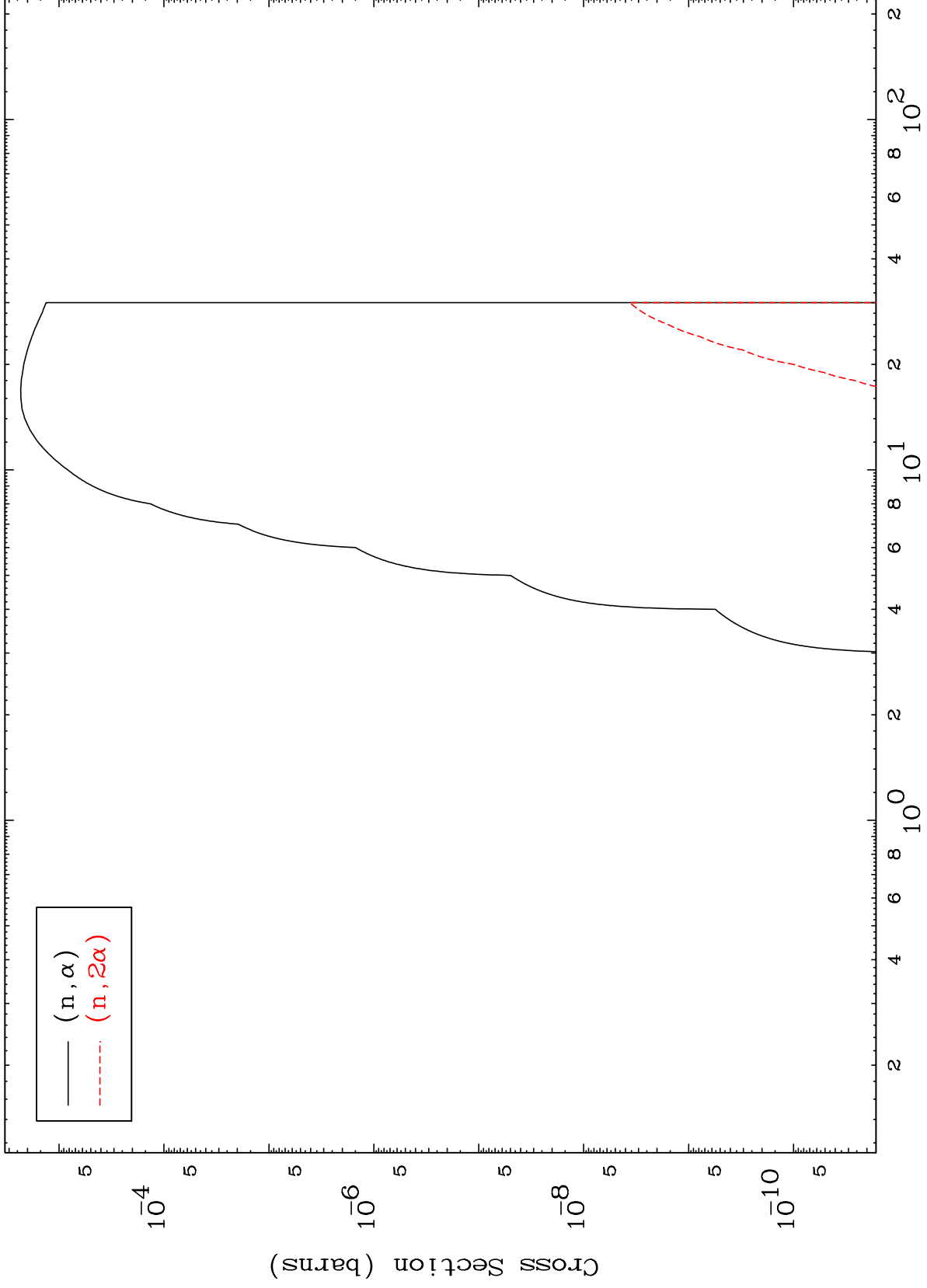
Incident Energy (MeV)

71-Lu-177

MAT 7131

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

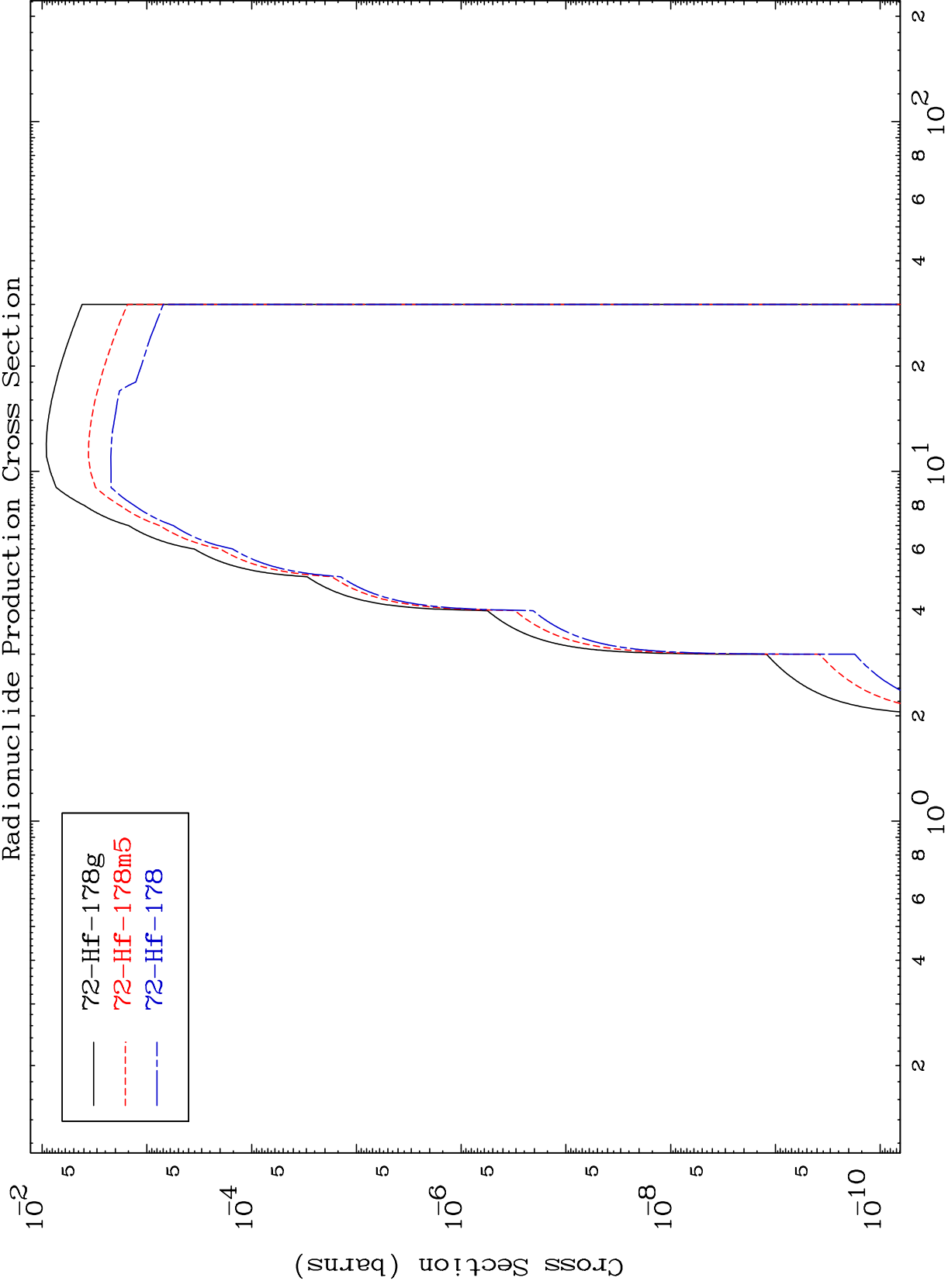
71-Lu-177



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71-Lu-177

Inelastic  
Radionuclide Production Cross Section



12

71-Lu-177

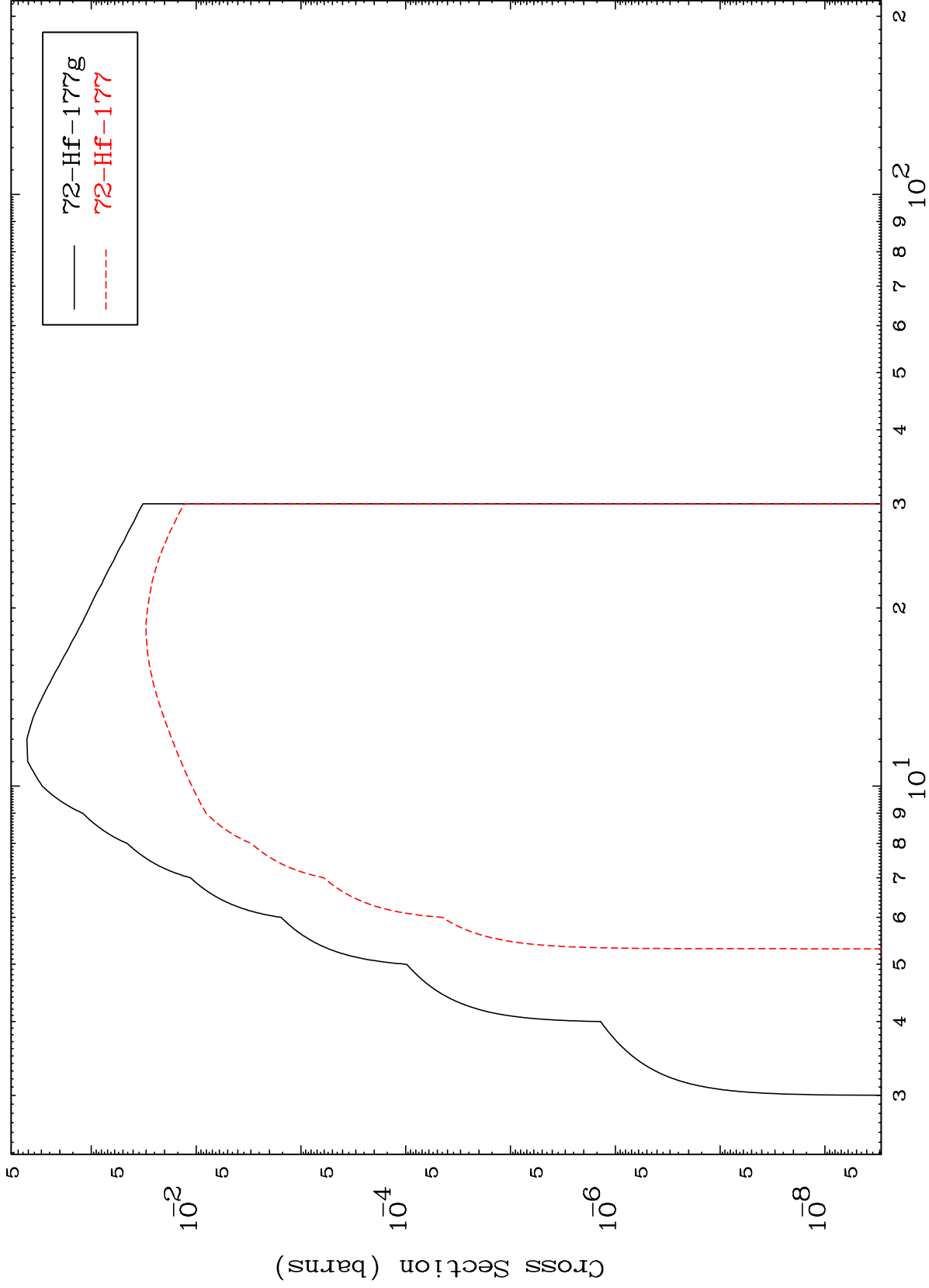
Incident Energy (MeV)

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(n,2n)

71-Lu-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

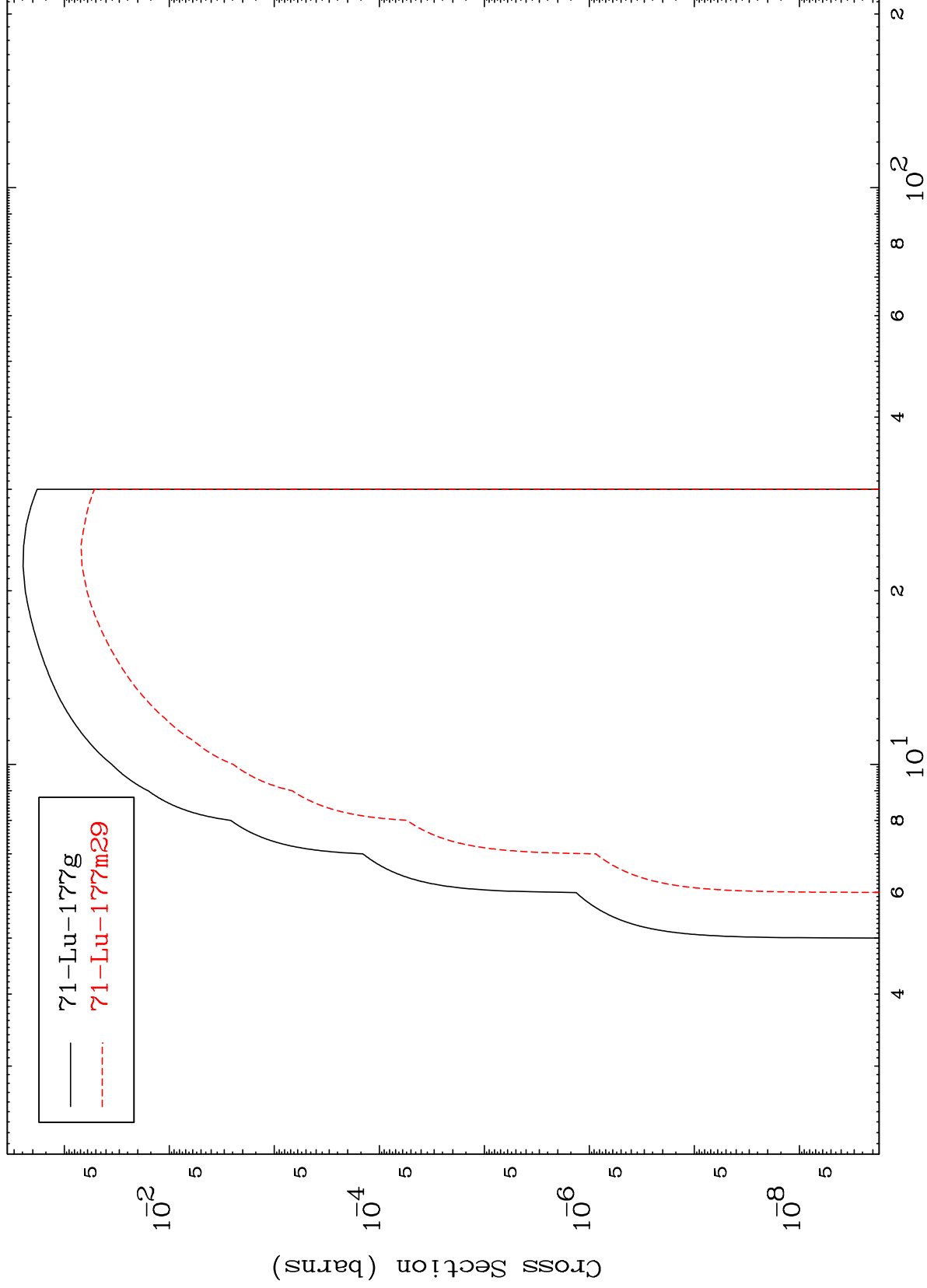
71-Lu-177

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(n,n') p

<sup>71</sup>Lu-177

Radionuclide Production Cross Section



14

Incident Energy (MeV)

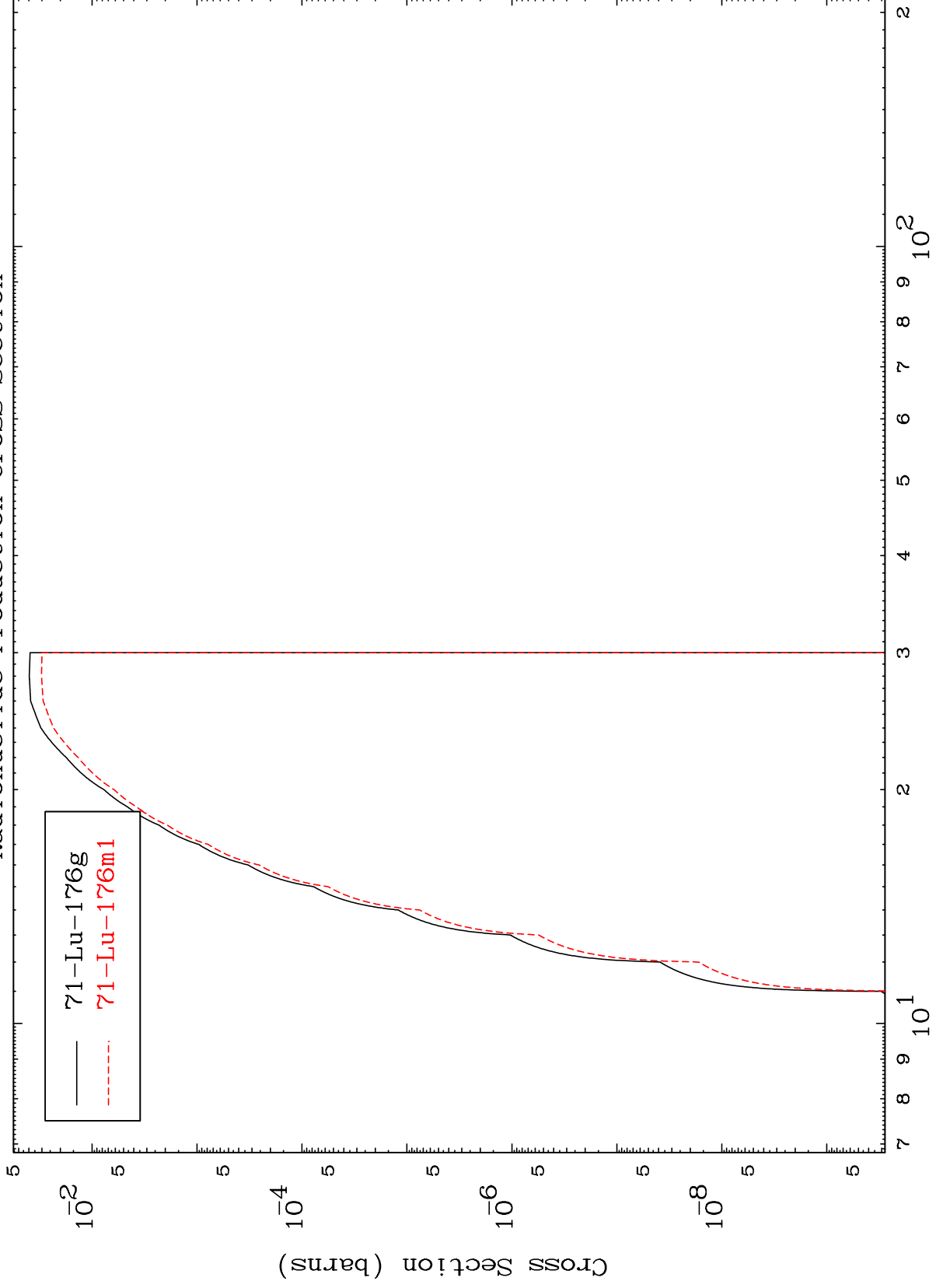
<sup>71</sup>Lu-177

MAT 7131

(n,n') d

71-Lu-177

Radionuclide Production Cross Section



15

Incident Energy (MeV)

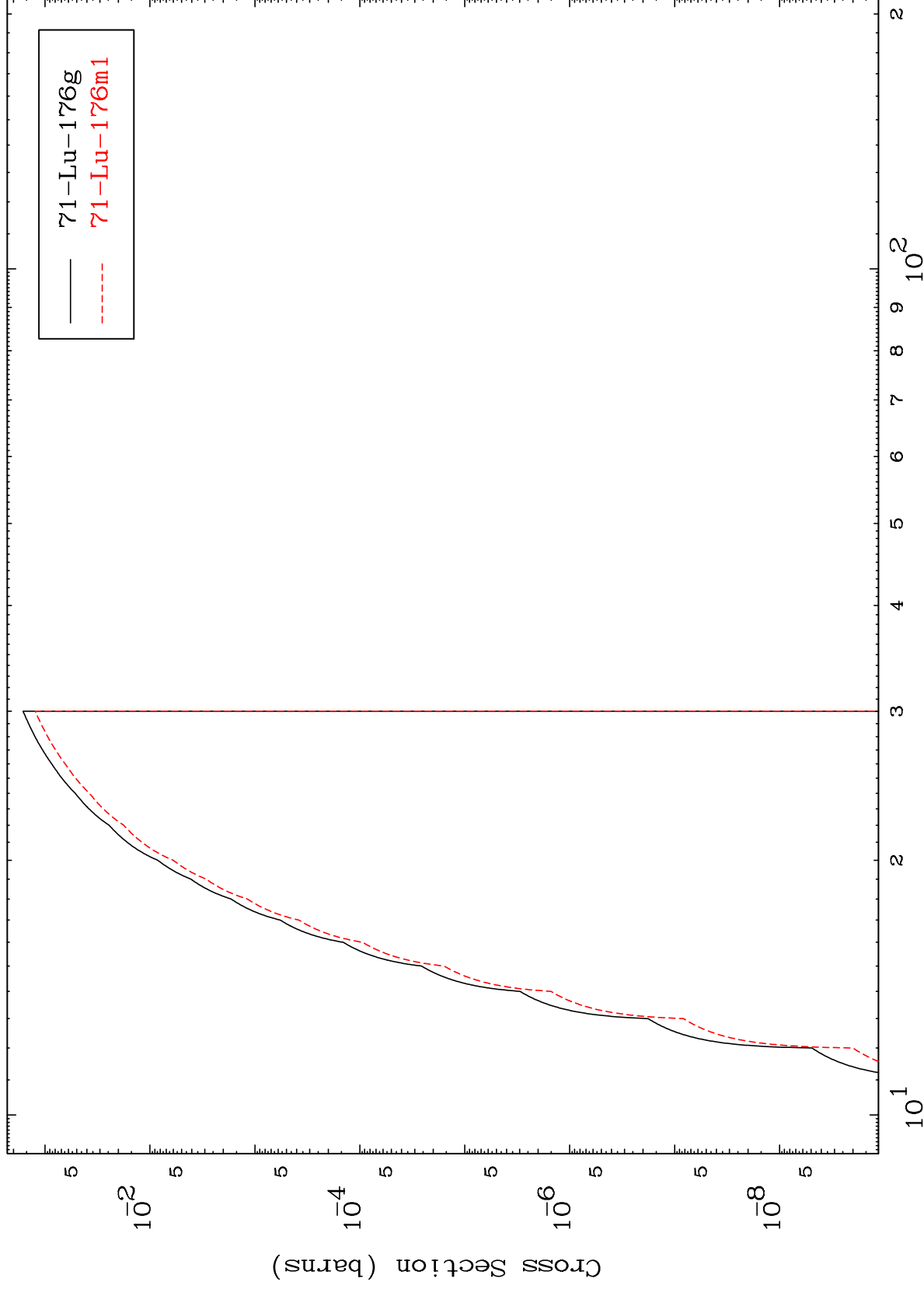
71-Lu-177

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(n,2n) p

71-Lu-177

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-177

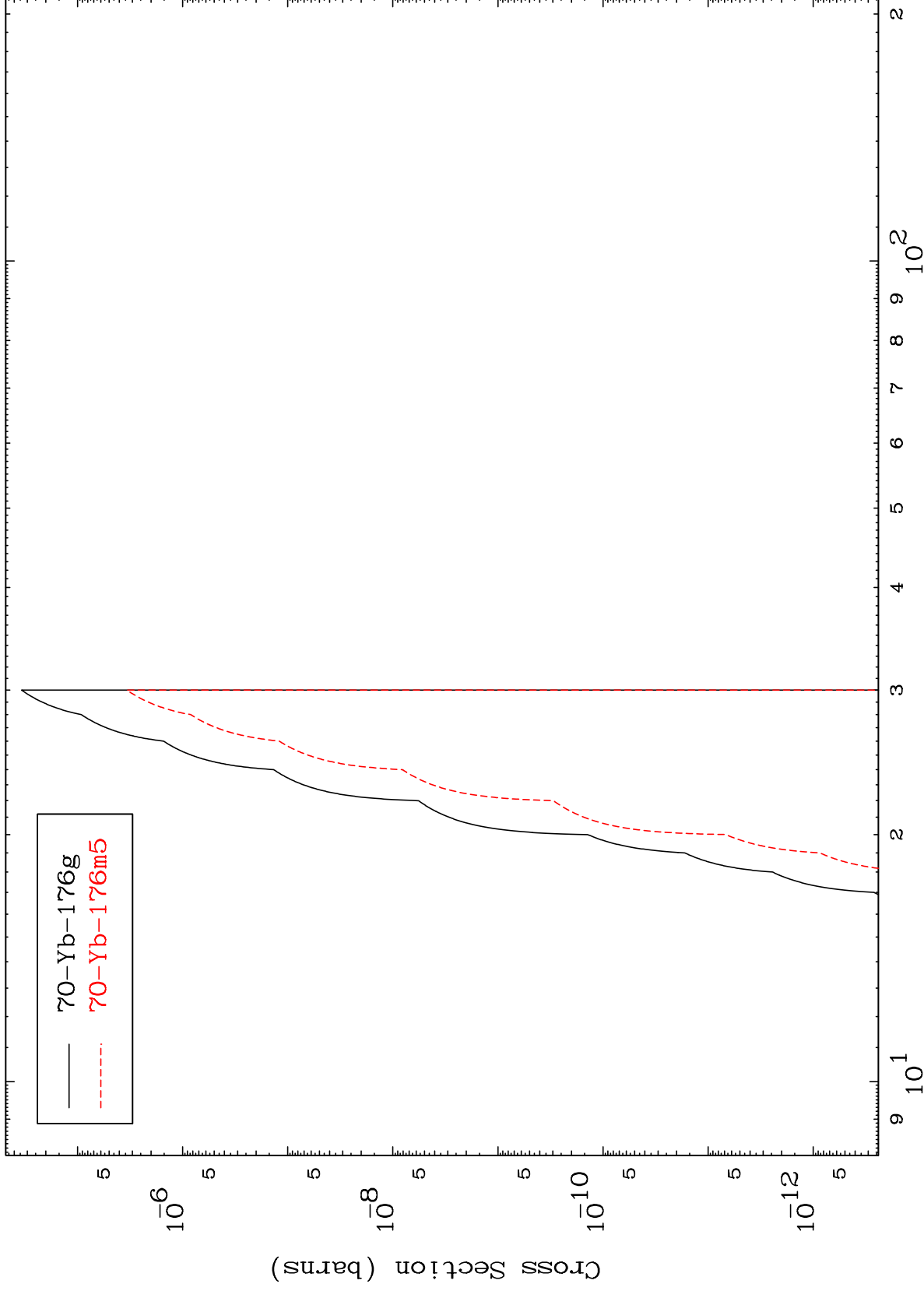
16

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(n,2n) p

71-Lu-177

Radionuclide Production Cross Section



70-Yb-176g  
70-Yb-176m5

17

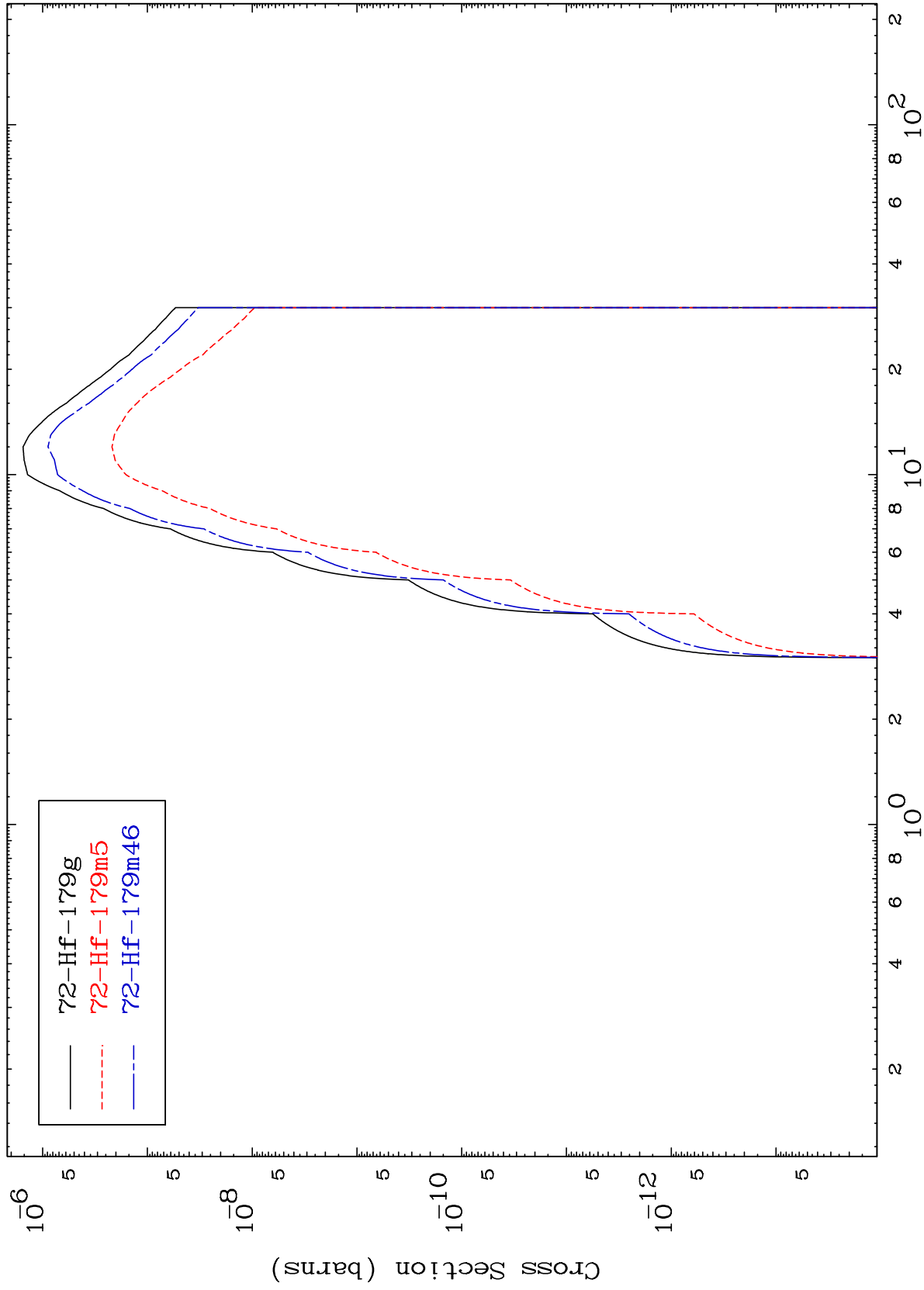
Incident Energy (MeV)

71-Lu-177

MAT 7131

71-Lu-177

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



18

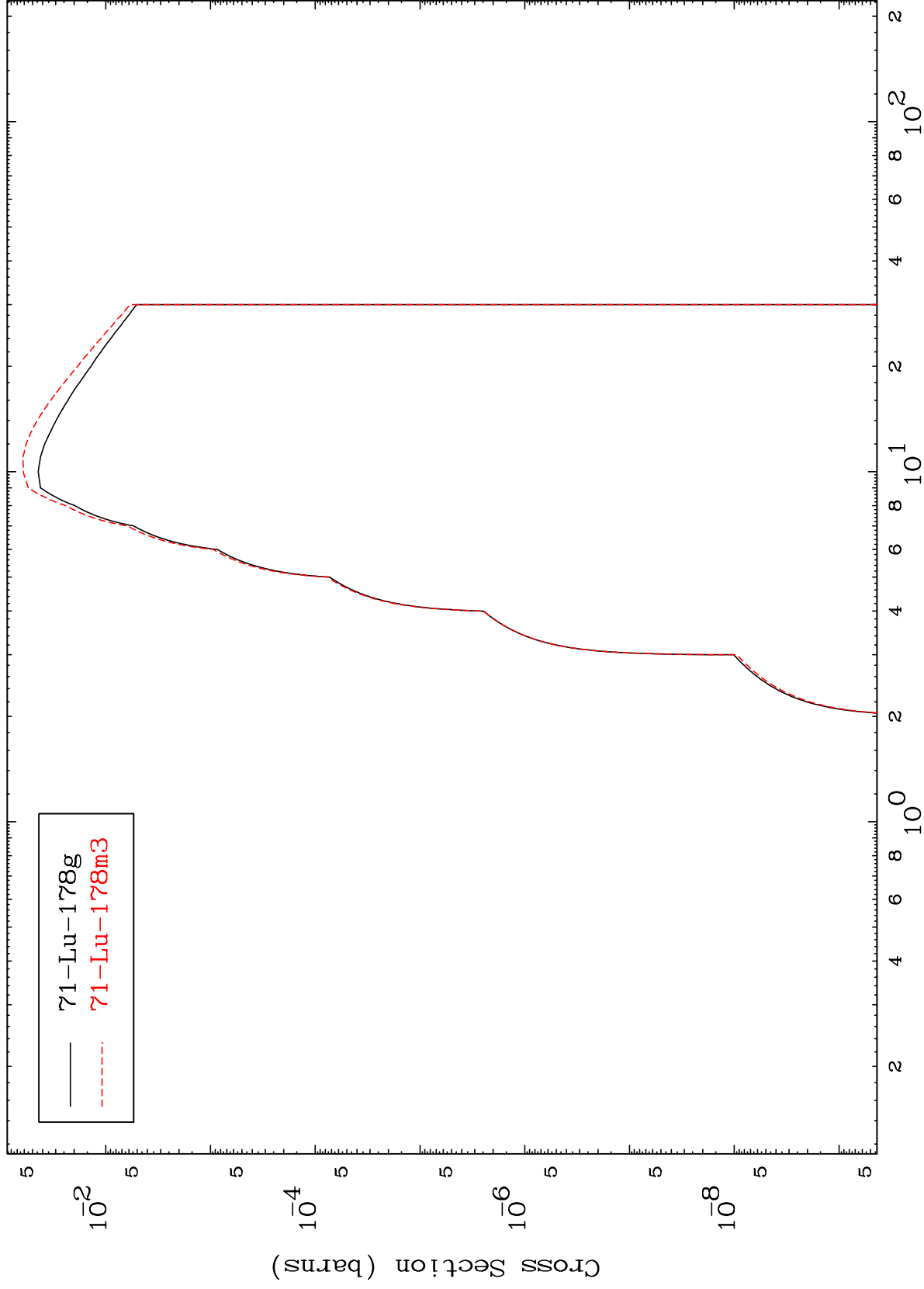
Incident Energy (MeV)

71-Lu-177

MAT 7131

71-Lu-177

Radionuclide Production Cross Section (n,p)



19

Incident Energy (MeV)

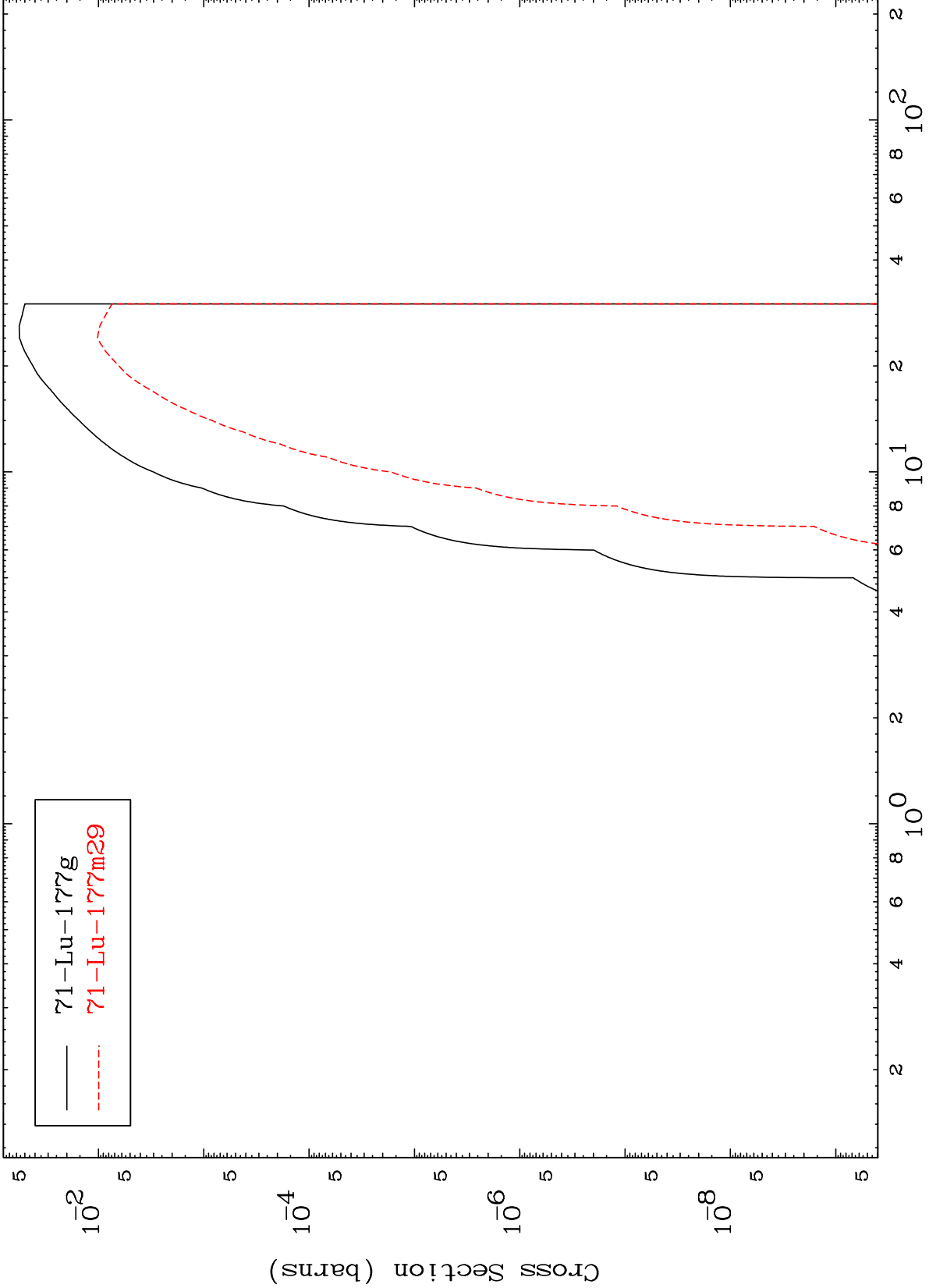
71-Lu-177

MAT 7131

(n,d)

<sup>71</sup>Lu-177

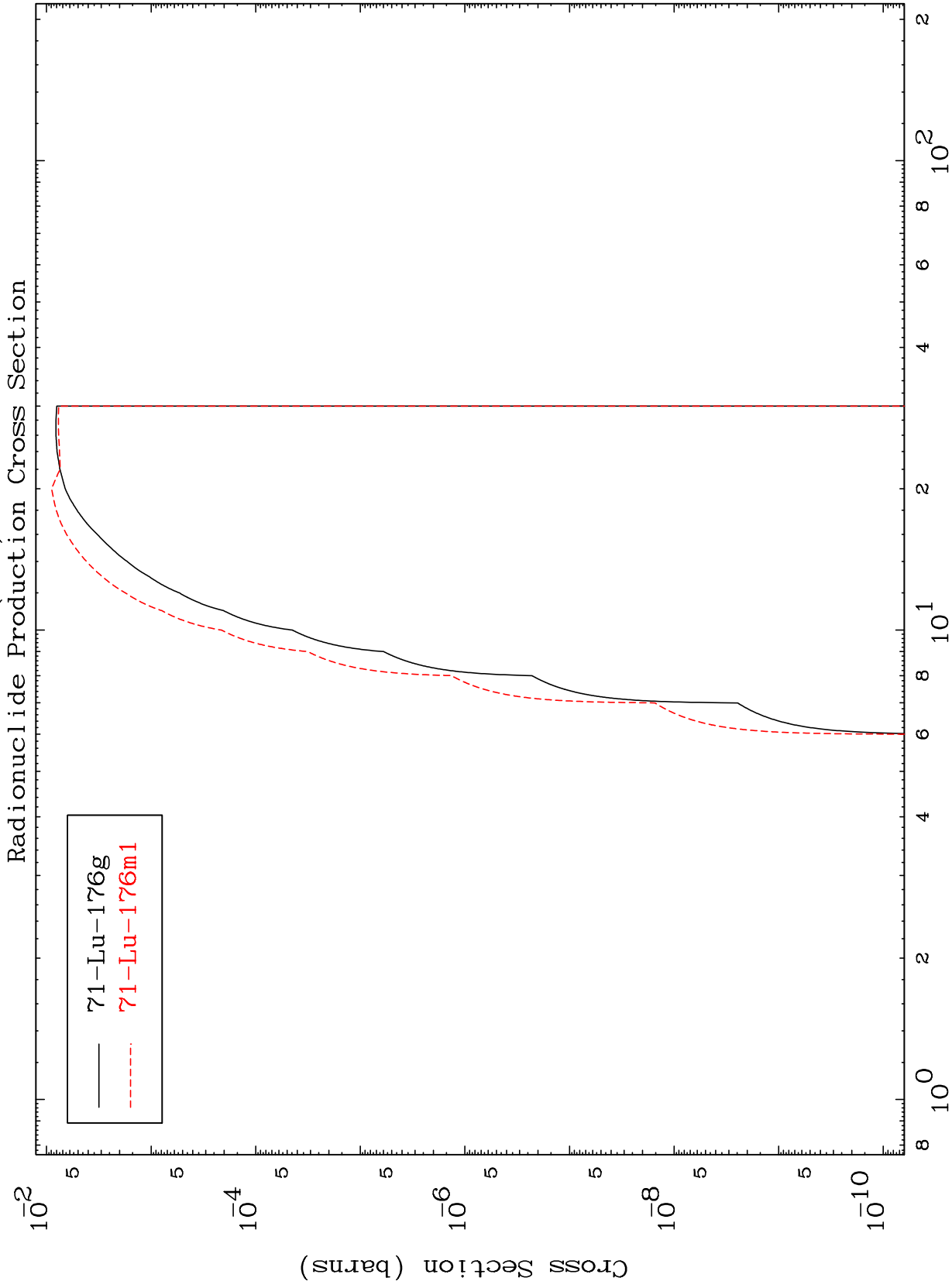
Radionuclide Production Cross Section



— <sup>71</sup>Lu-177g  
- - - <sup>71</sup>Lu-177m29

MAT 7131

71-Lu-177



71-Lu-177

Incident Energy (MeV)

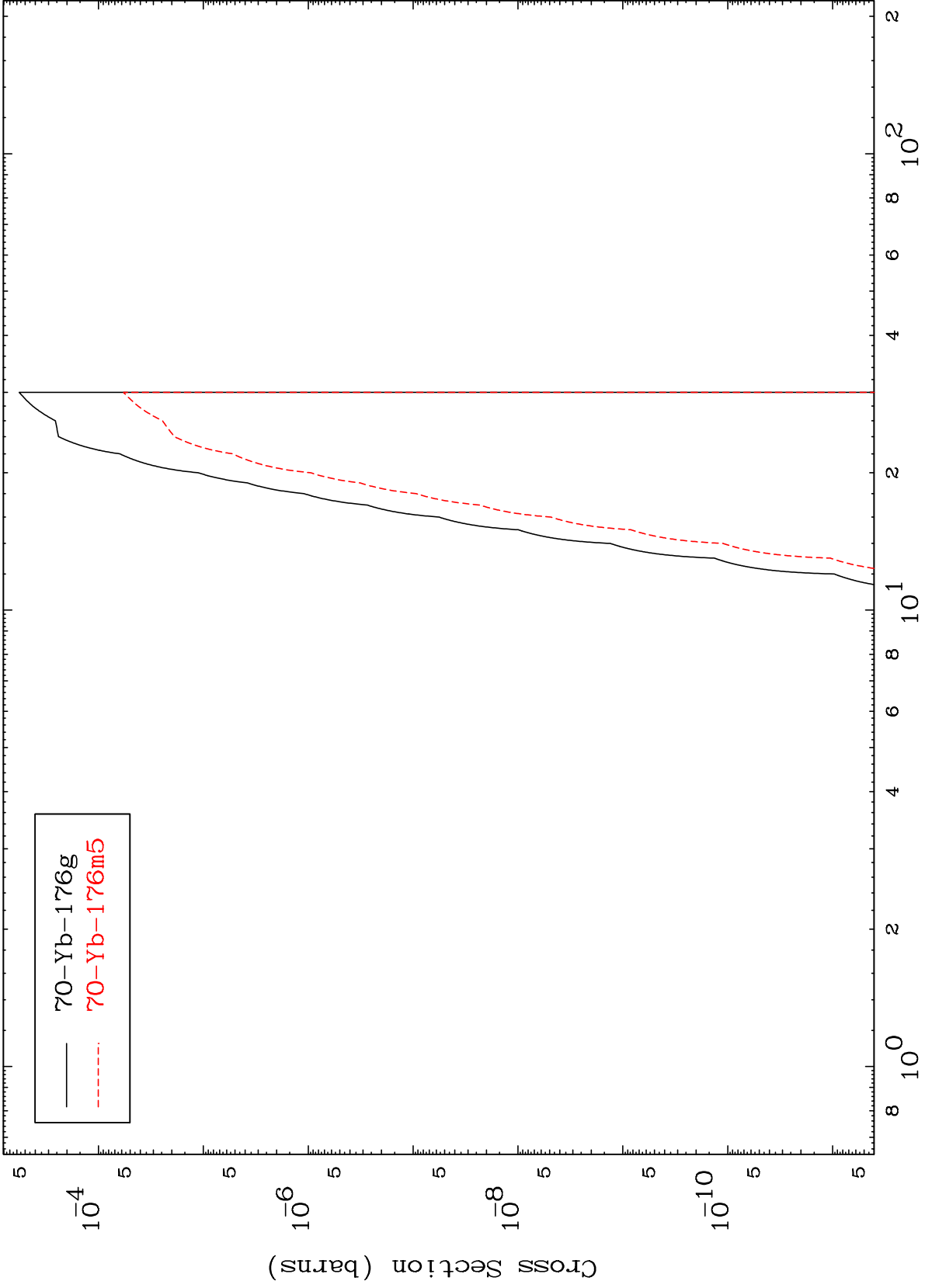
21

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(n,He-3)

71-Lu-177

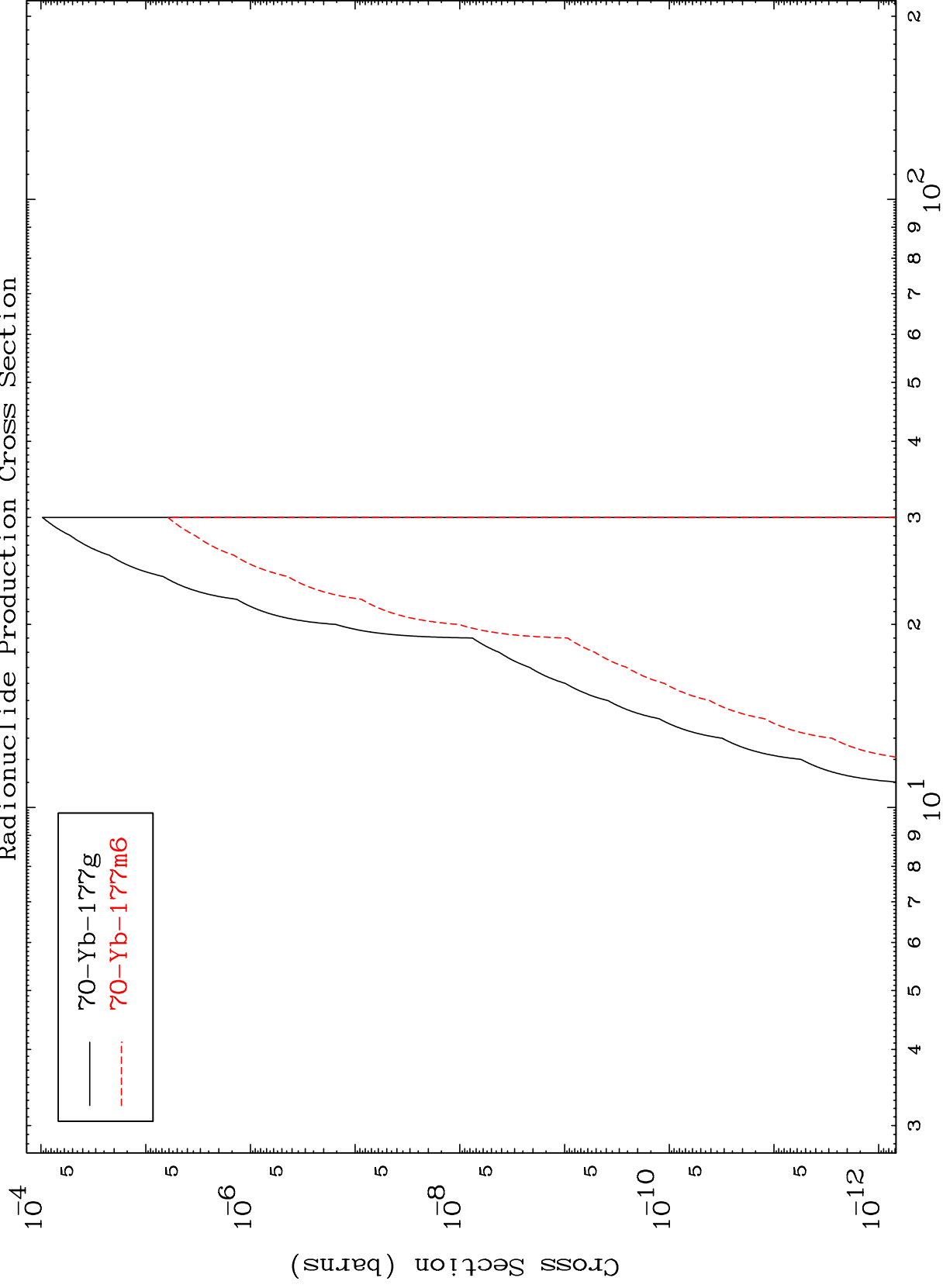
Radionuclide Production Cross Section



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71-Lu-177

(n,2p)  
Radionuclide Production Cross Section



71-Lu-177

Incident Energy (MeV)

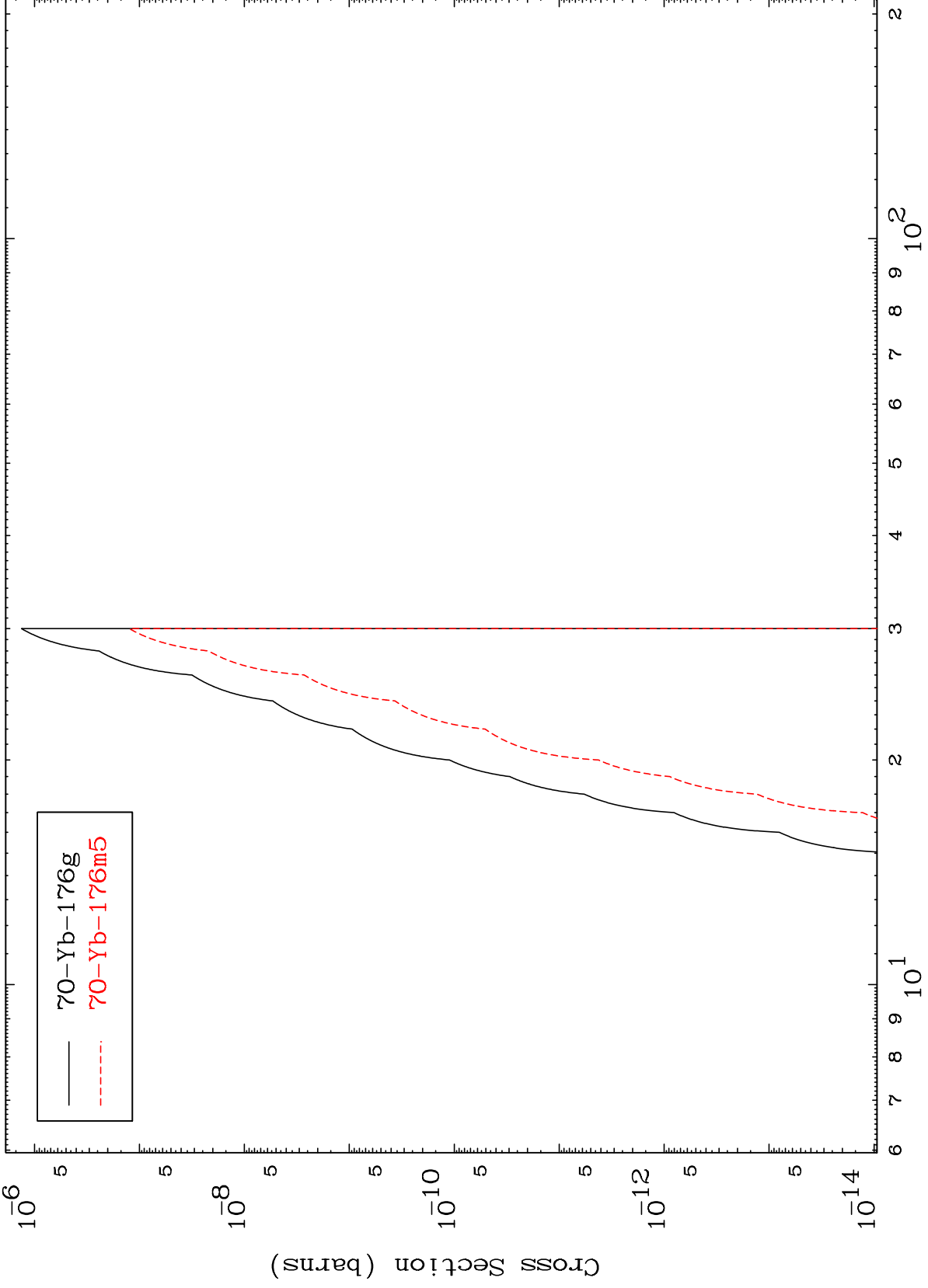
23

MAT 7131

(n,p) d

<sup>71</sup>Lu-177

Radionuclide Production Cross Section



24

Incident Energy (MeV)

<sup>71</sup>Lu-177