

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

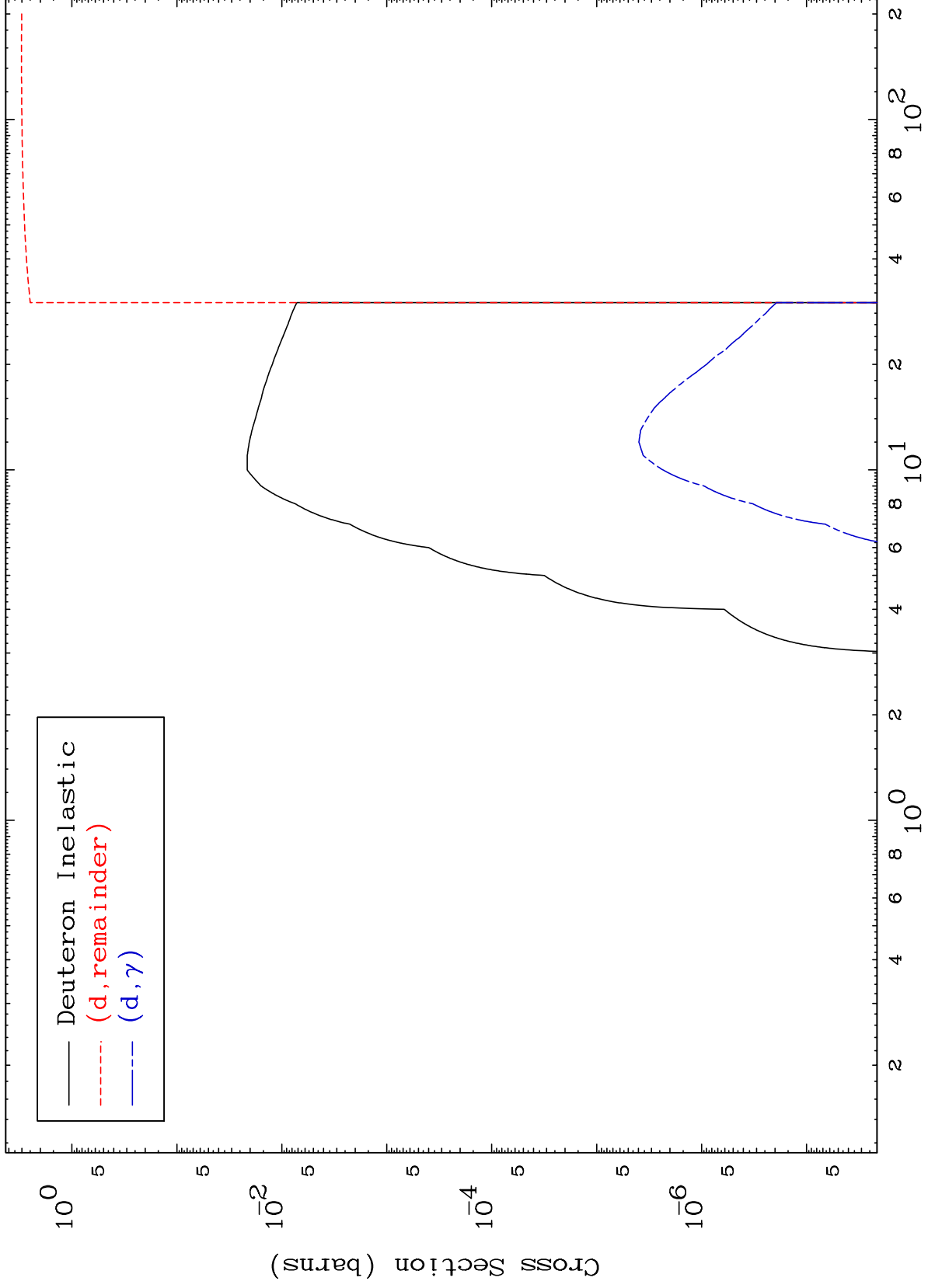
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

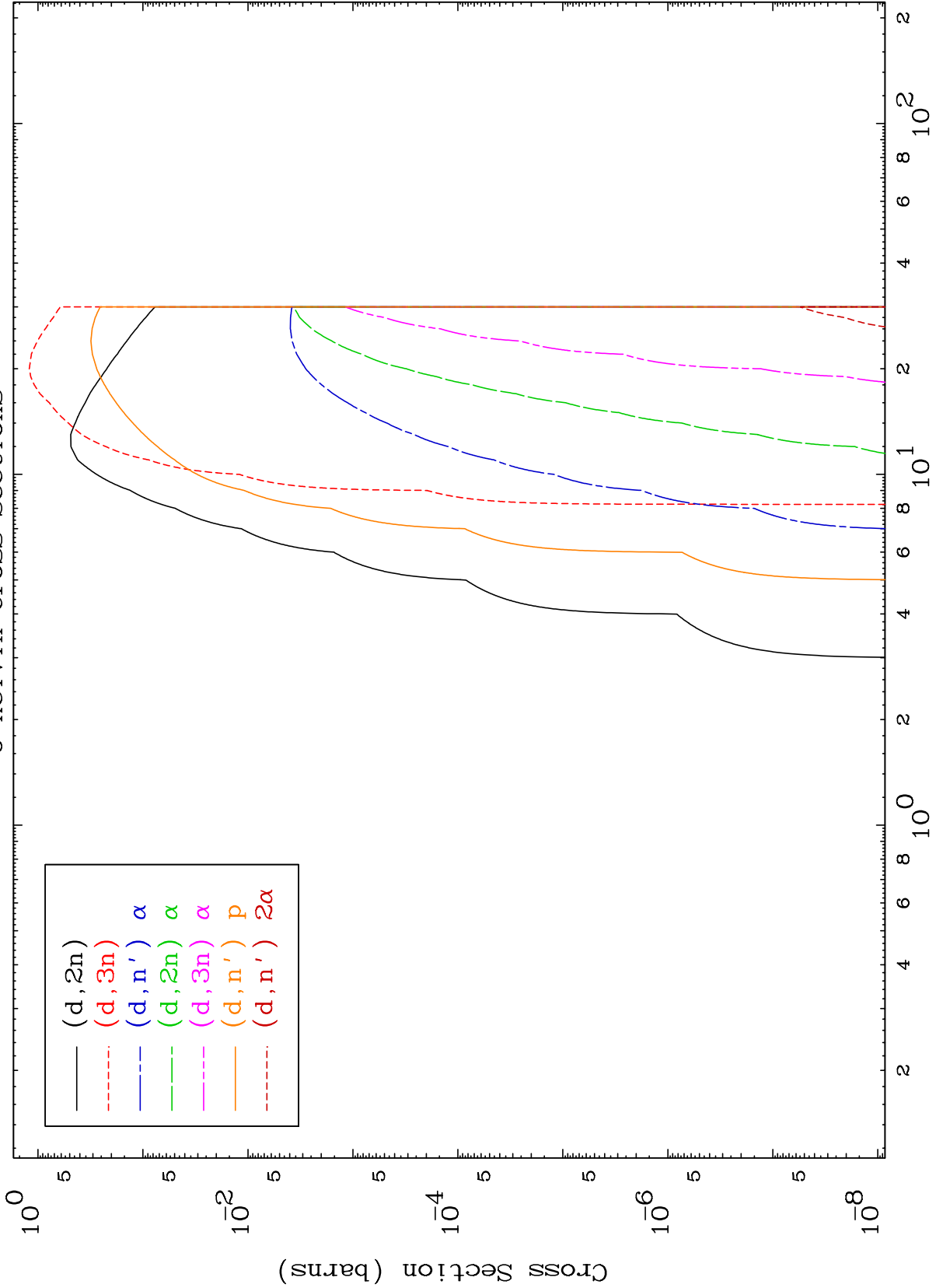
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

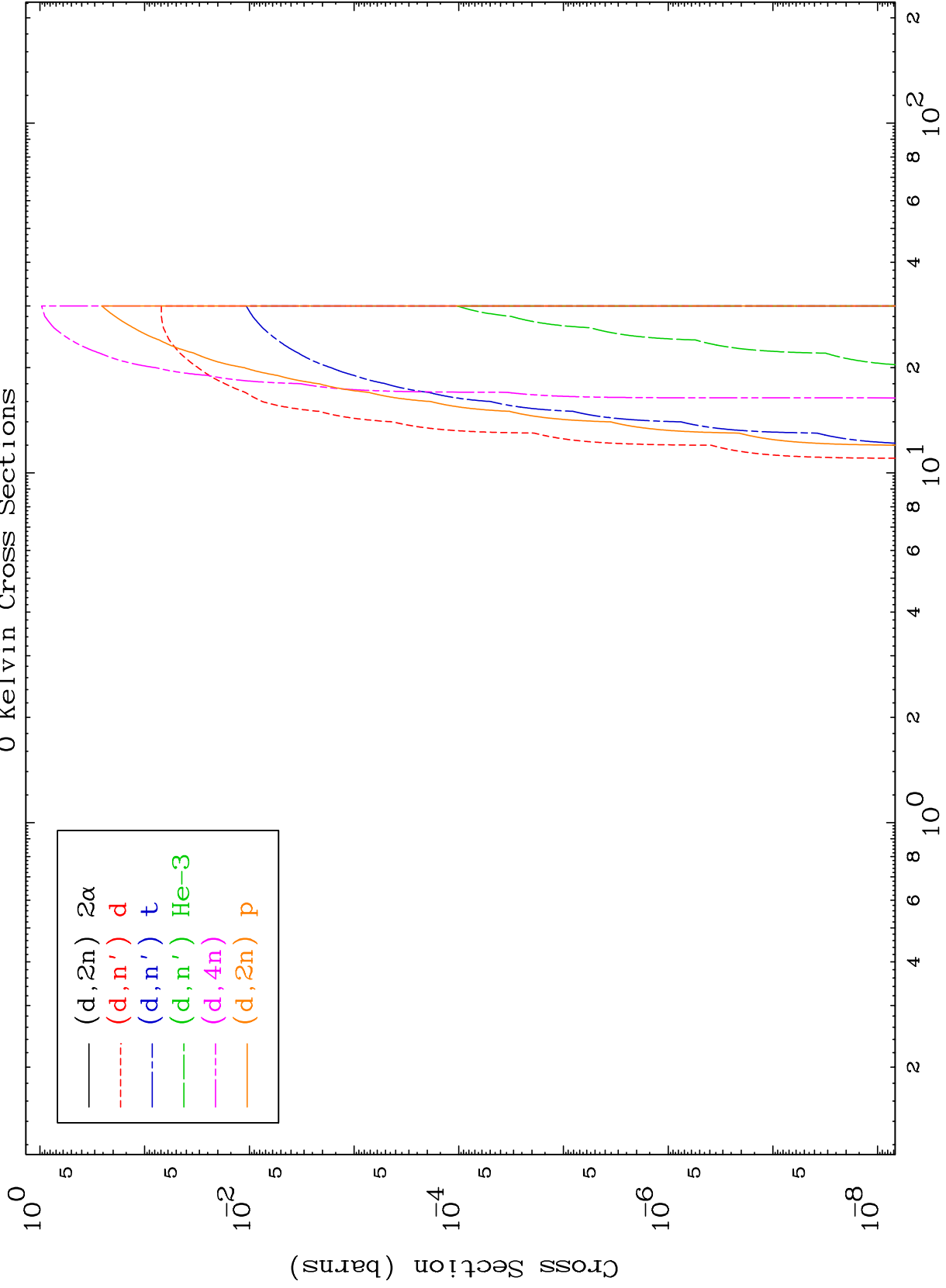




MAT 7334

Deuteron Neutron Production  
0 Kelvin Cross Sections

73-Ta-183



73-Ta-183

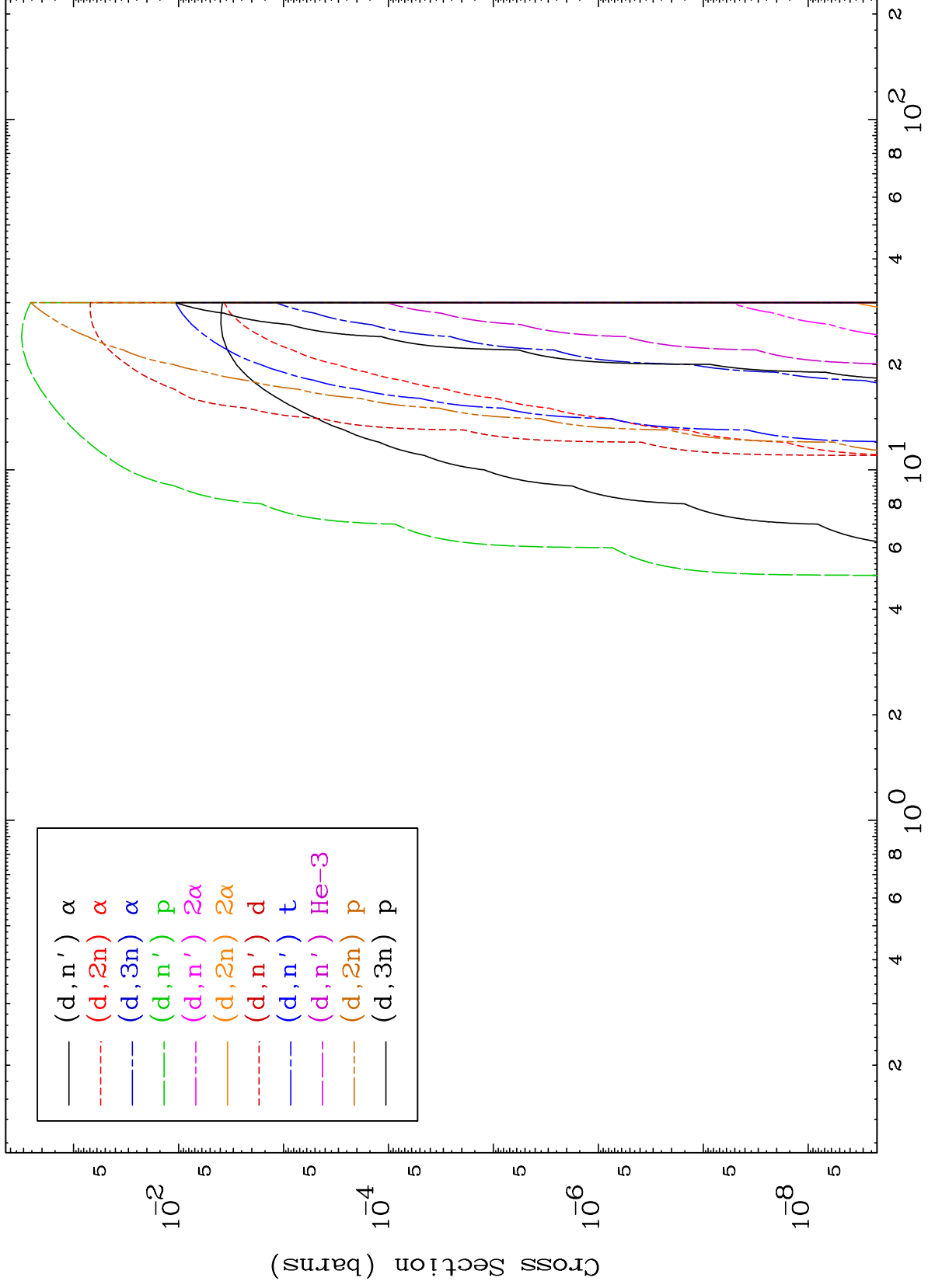
Incident Energy (MeV)

3

MAT 7334

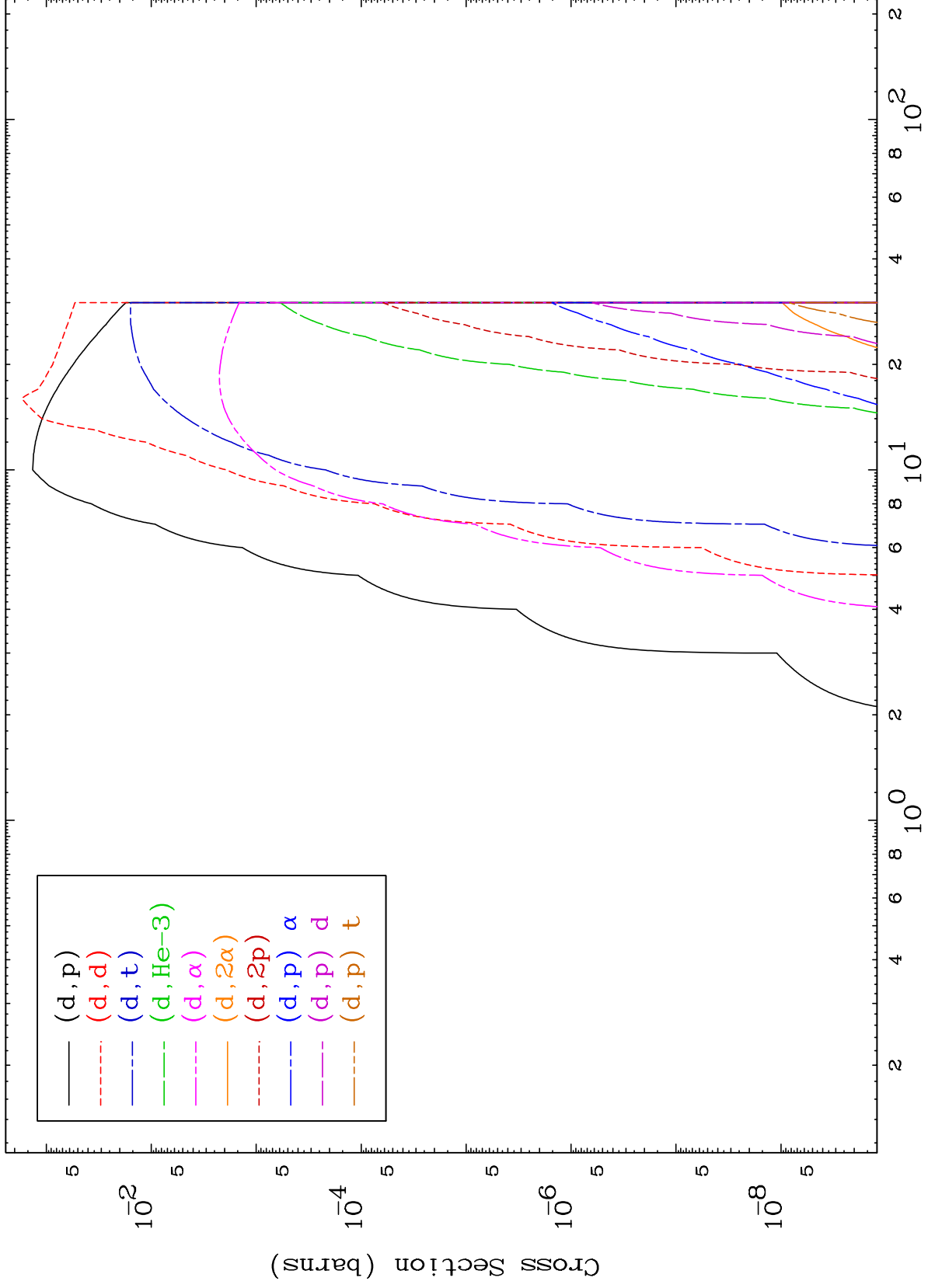
Deuteron Charged Particle  
0 Kelvin Cross Sections

73-Ta-183



Incident Energy (MeV)

73-Ta-183

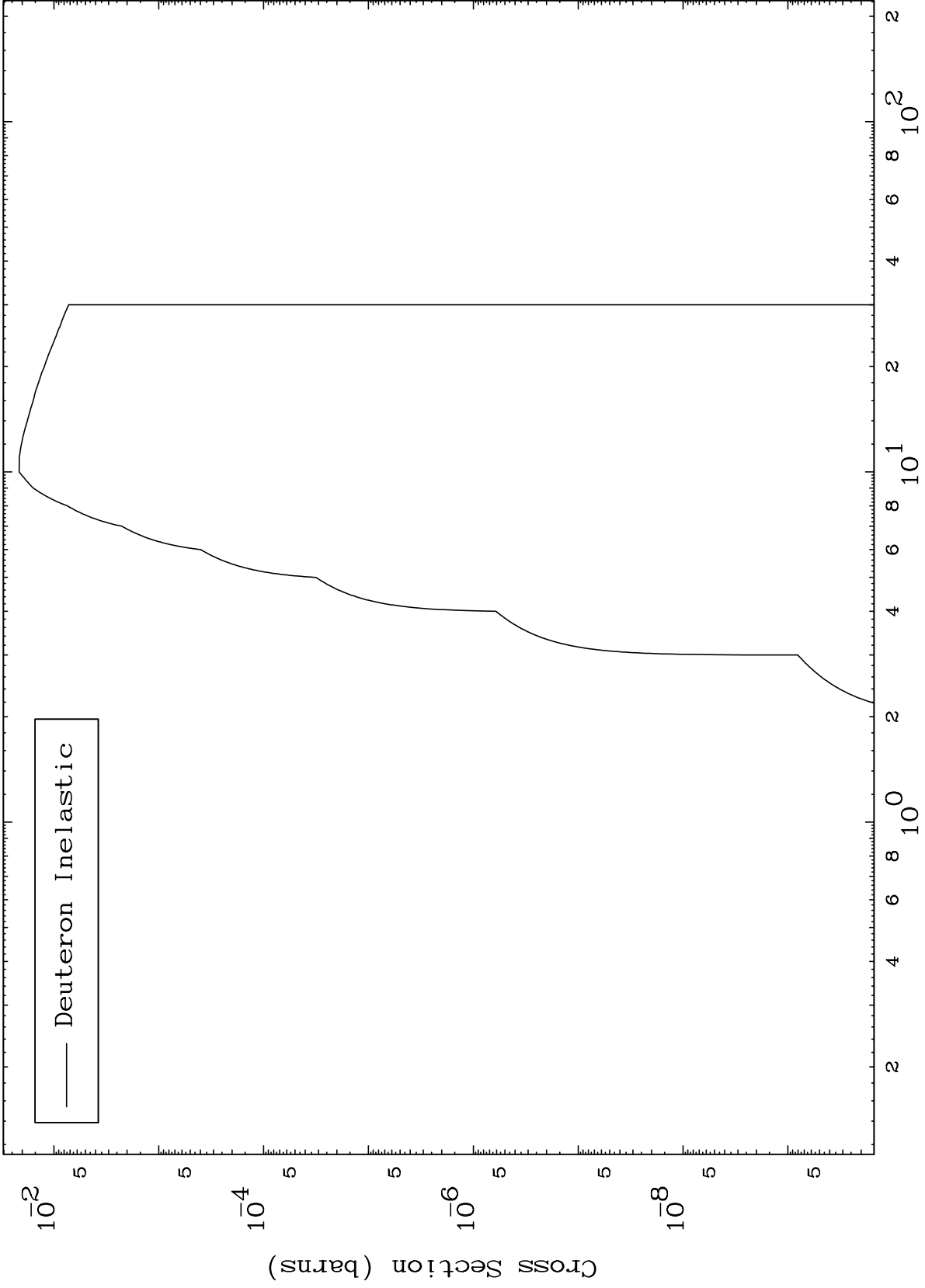


MAT 7334

(d,n') Level

73-Ta-183

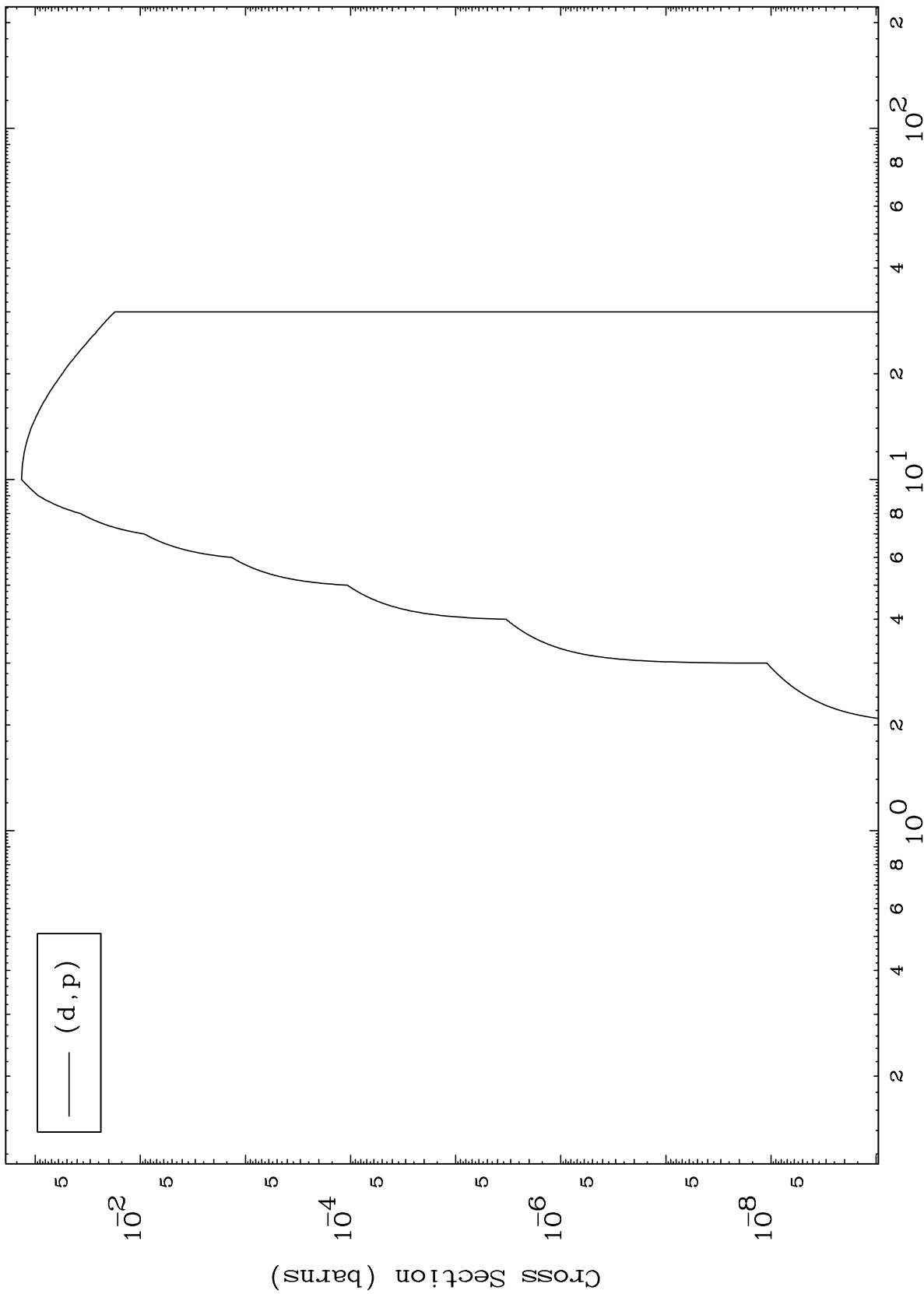
0 Kelvin Cross Sections



MAT 7334

73-Ta-183

(d,p) Levels  
0 Kelvin Cross Sections



73-Ta-183

Incident Energy (MeV)

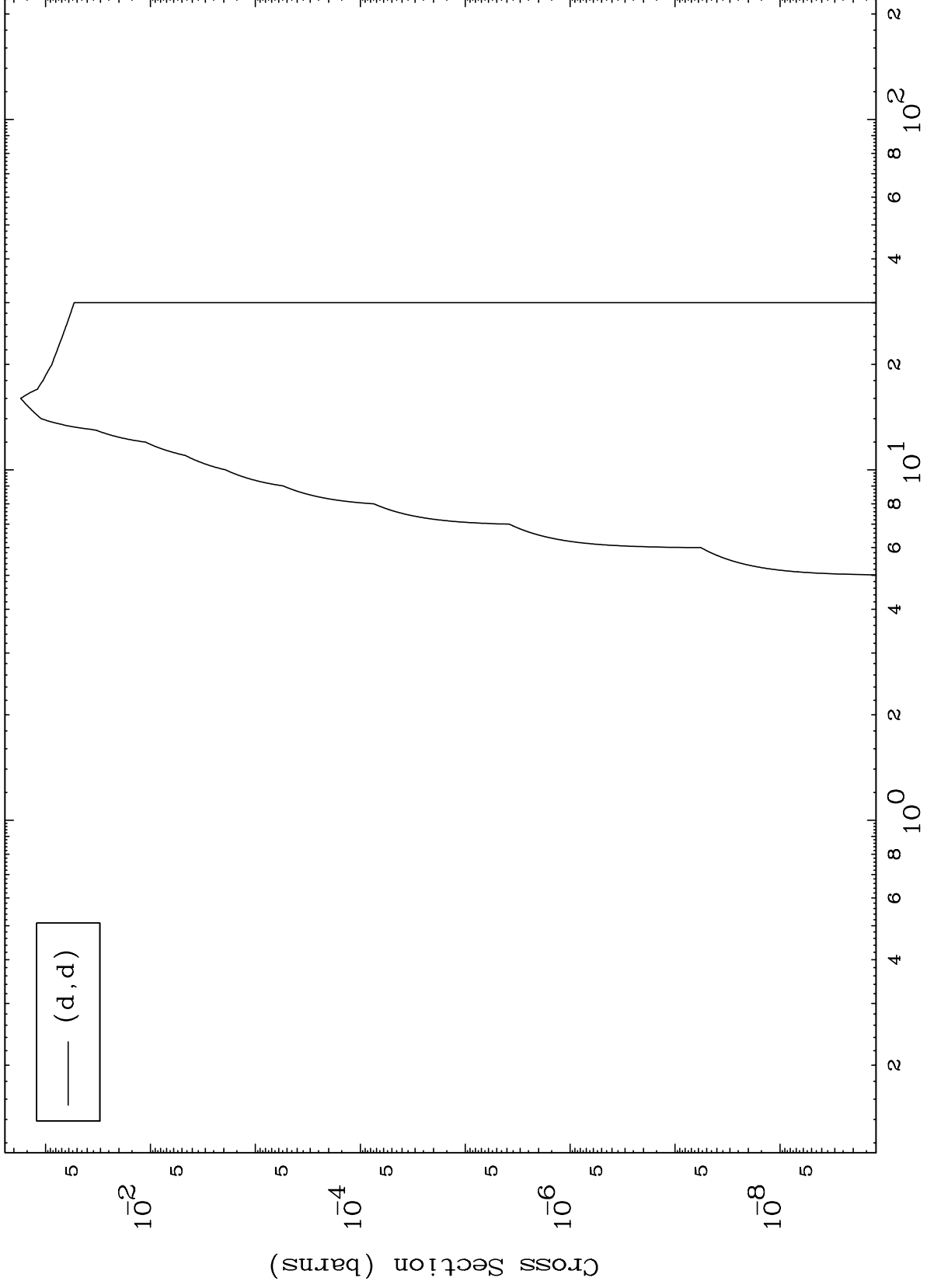
7

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(d,d) Levels

73-Ta-183

0 Kelvin Cross Sections

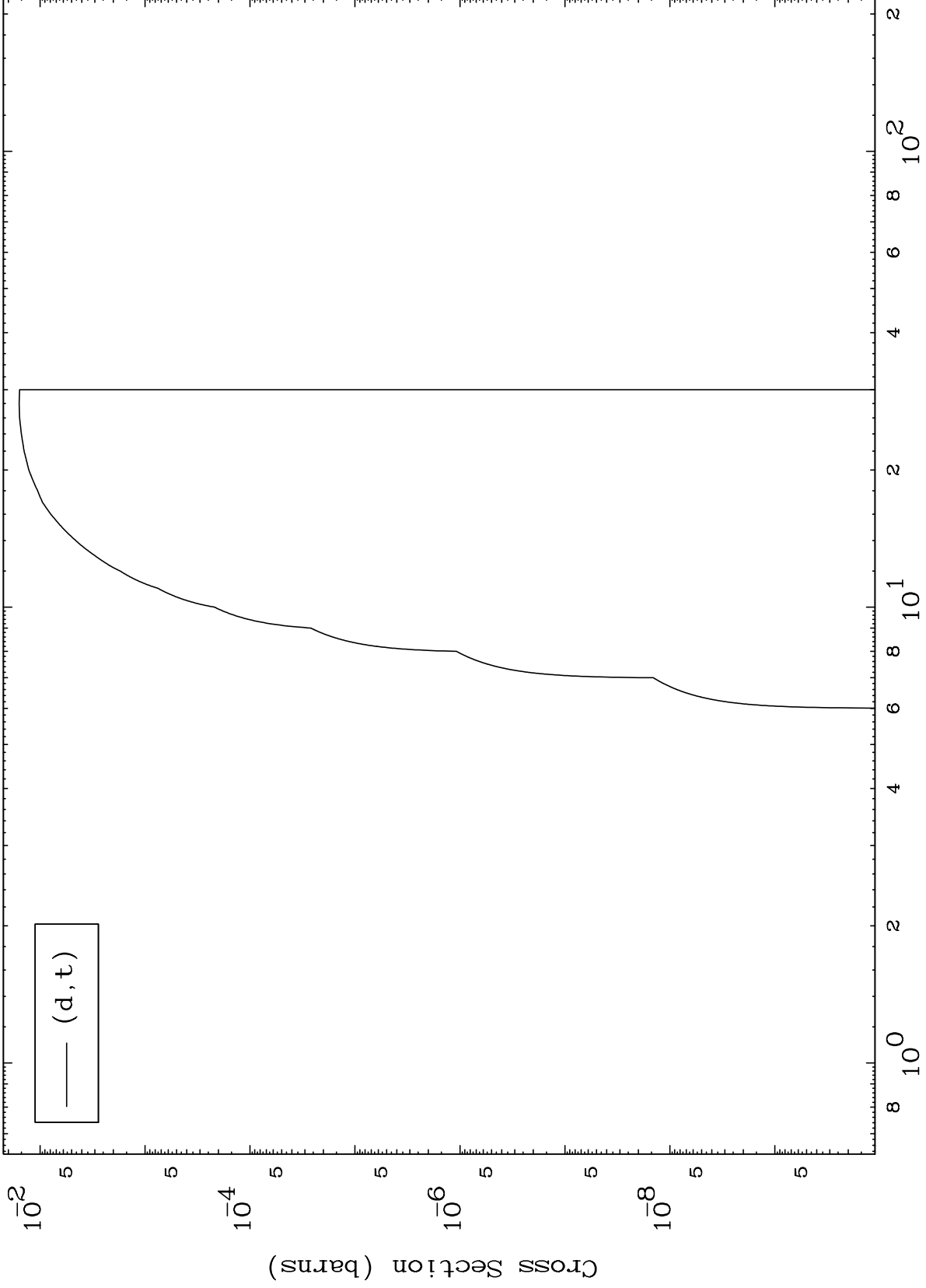


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(d, t) Levels

73-Ta-183

0 Kelvin Cross Sections



9

Incident Energy (MeV)

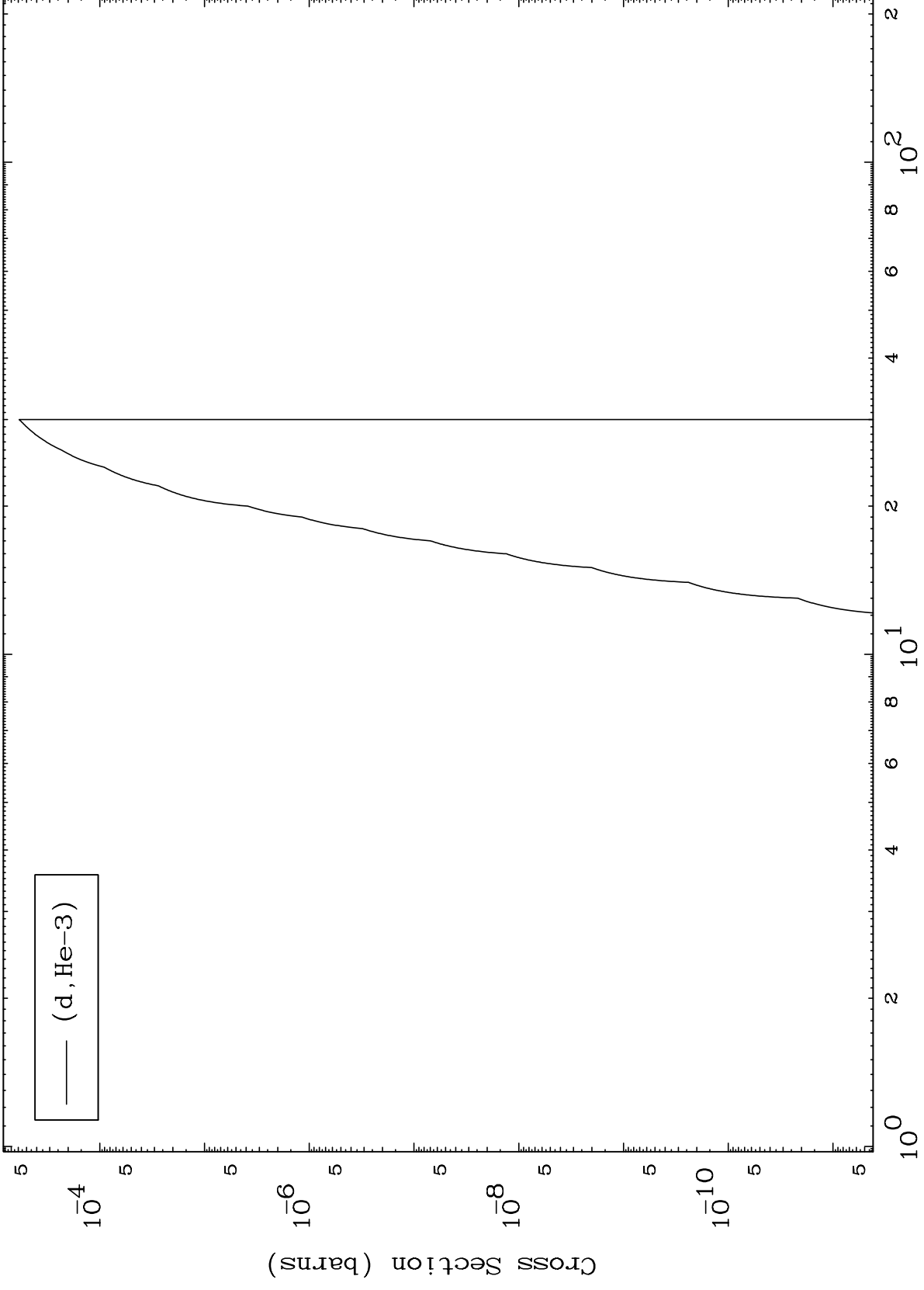
73-Ta-183

MAT 7334

(d,He3) Levels

73-Ta-183

0 Kelvin Cross Sections



Incident Energy (MeV)

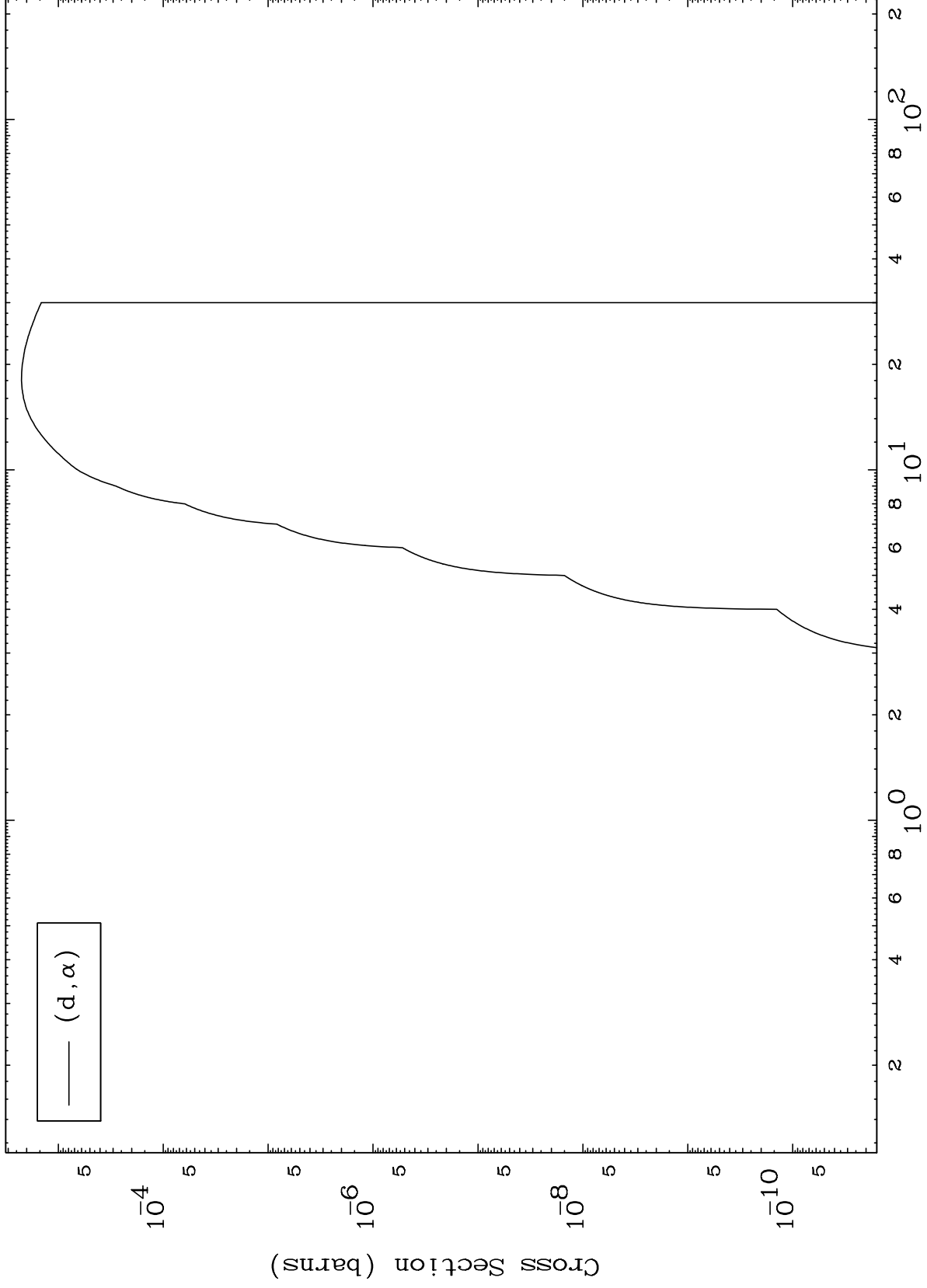
73-Ta-183

MAT 7334

(d,  $\alpha$ ) Levels

73-Ta-183

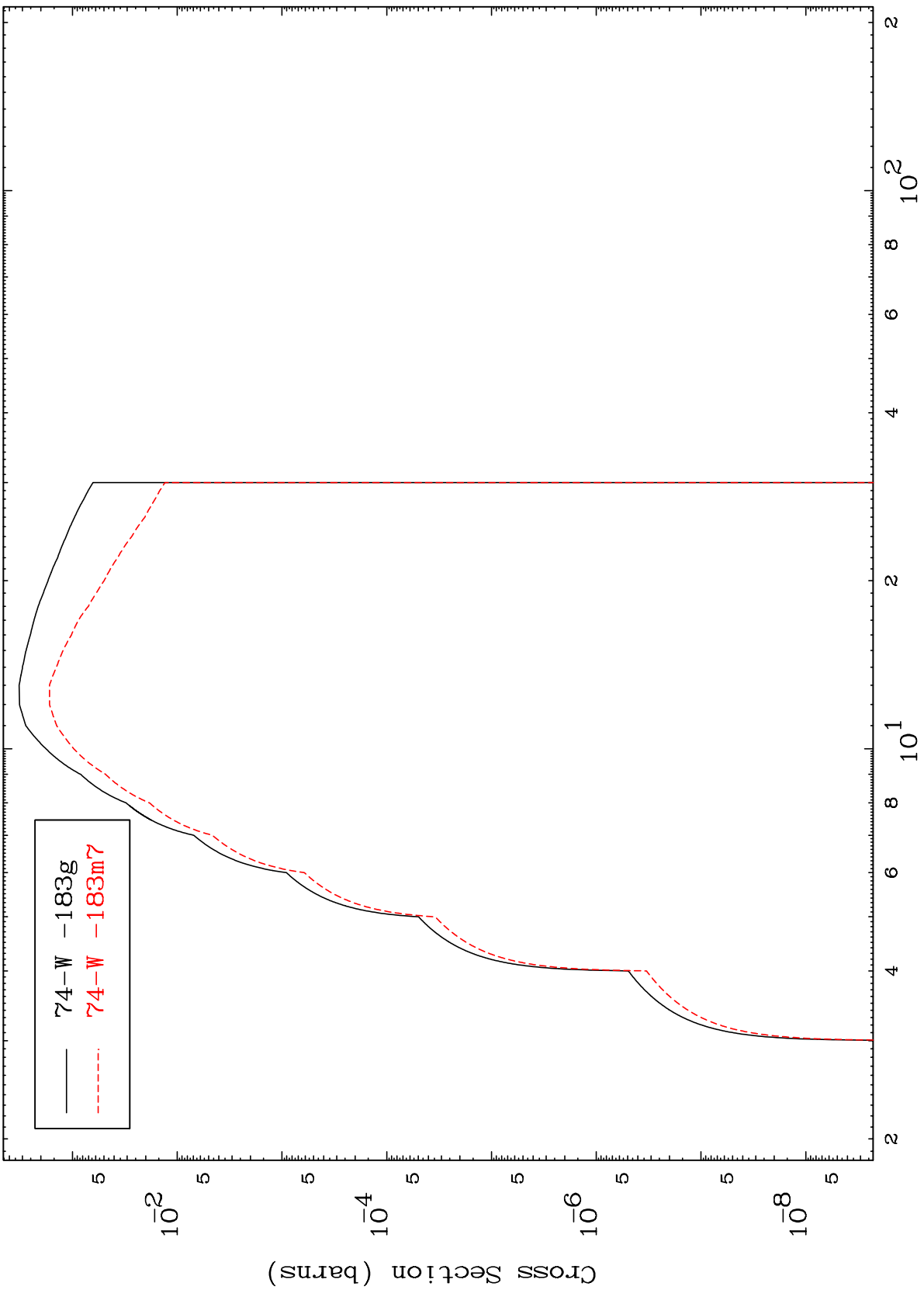
0 Kelvin Cross Sections



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73-Ta-183

Radionuclide Production Cross Section  
(d,2n)



74-W -183g  
74-W -183m7

12

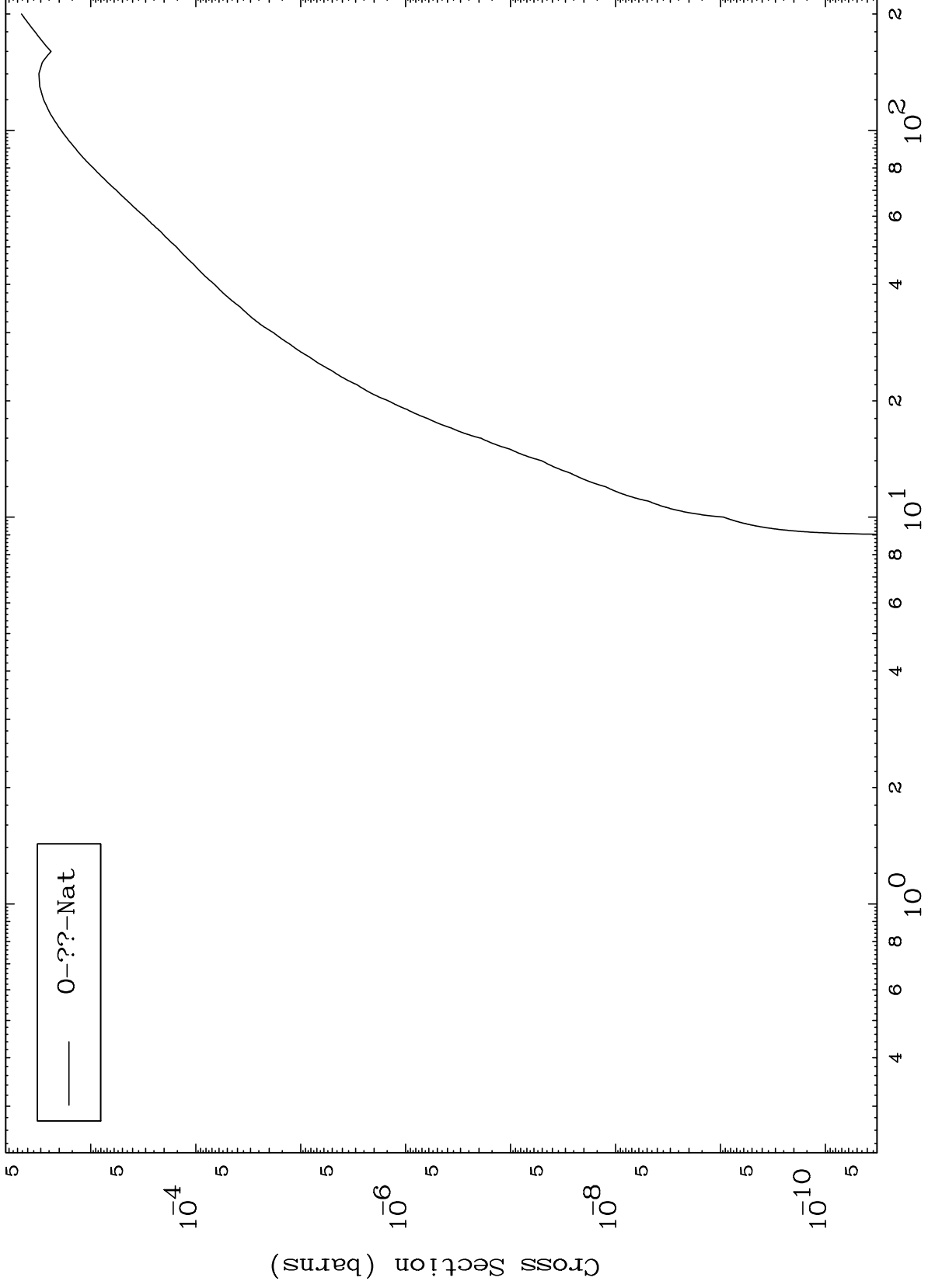
Incident Energy (MeV)

73-Ta-183

MAT 7334

Deuteron Fission  
Radionuclide Production Cross Section

<sup>73</sup>Ta-183

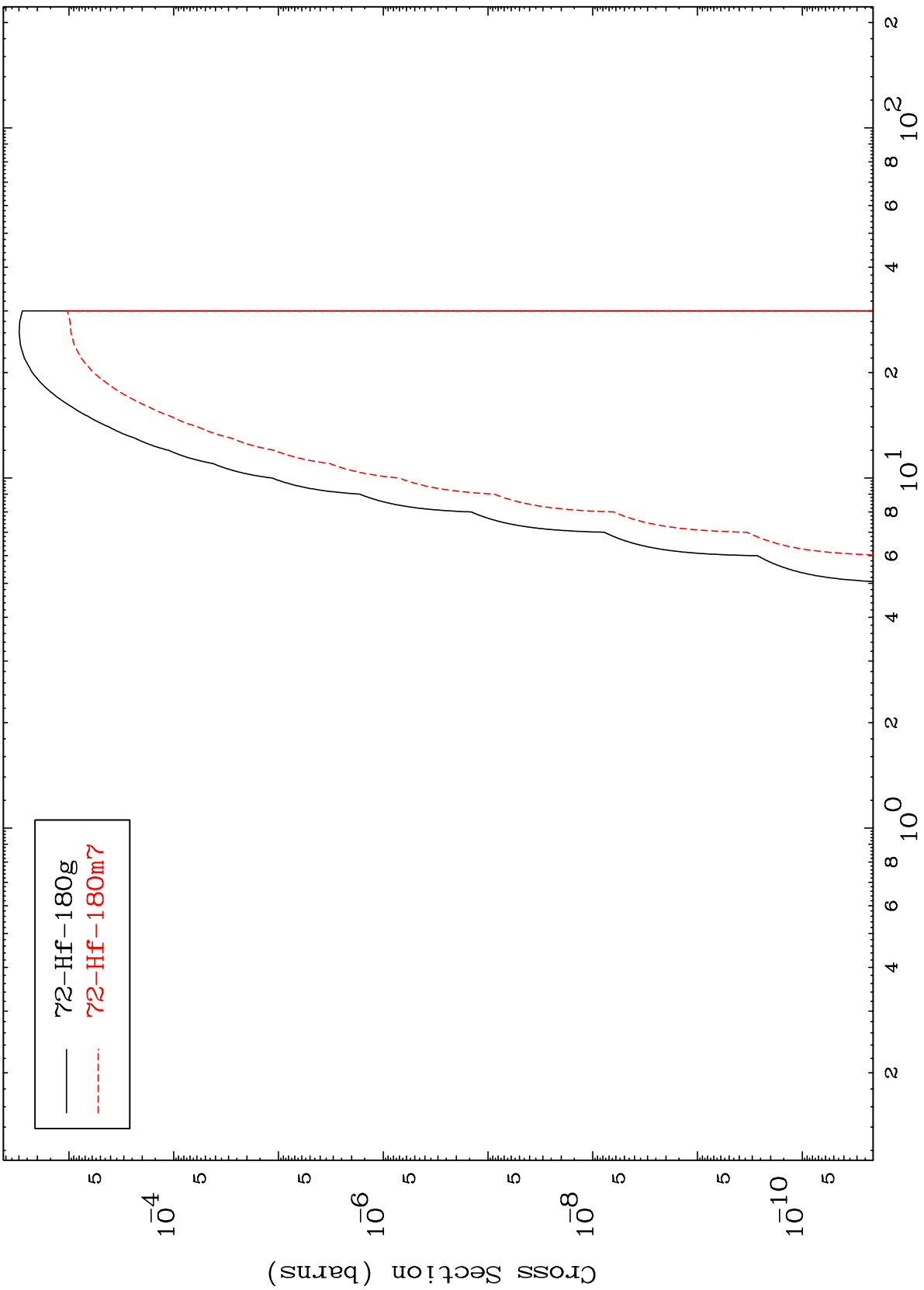


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(d,n')  $\alpha$

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



14

Incident Energy (MeV)

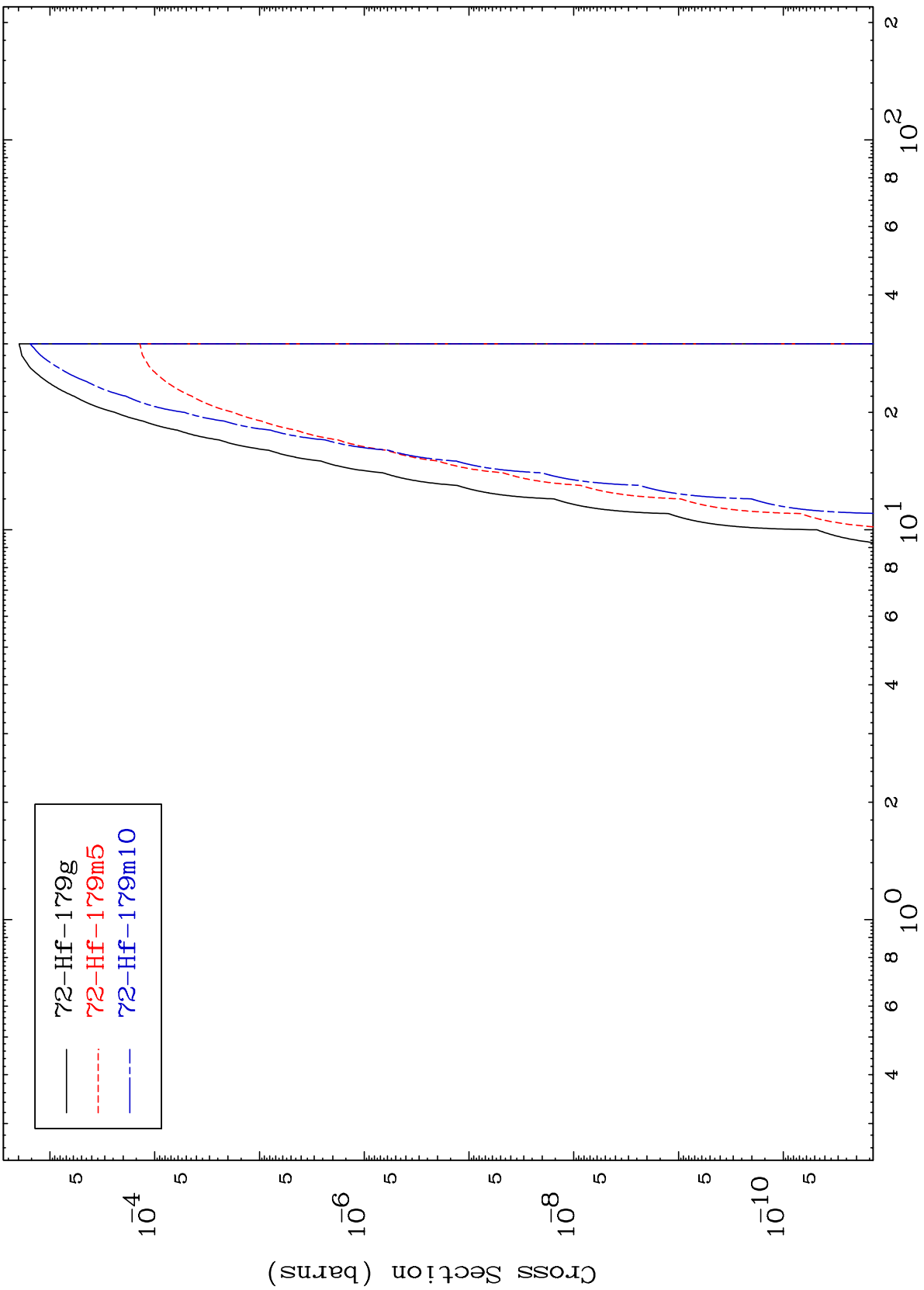
<sup>73</sup>Ta-183

MAT 7334

(d,2n)  $\alpha$

$^{73}\text{Ta-183}$

Radionuclide Production Cross Section

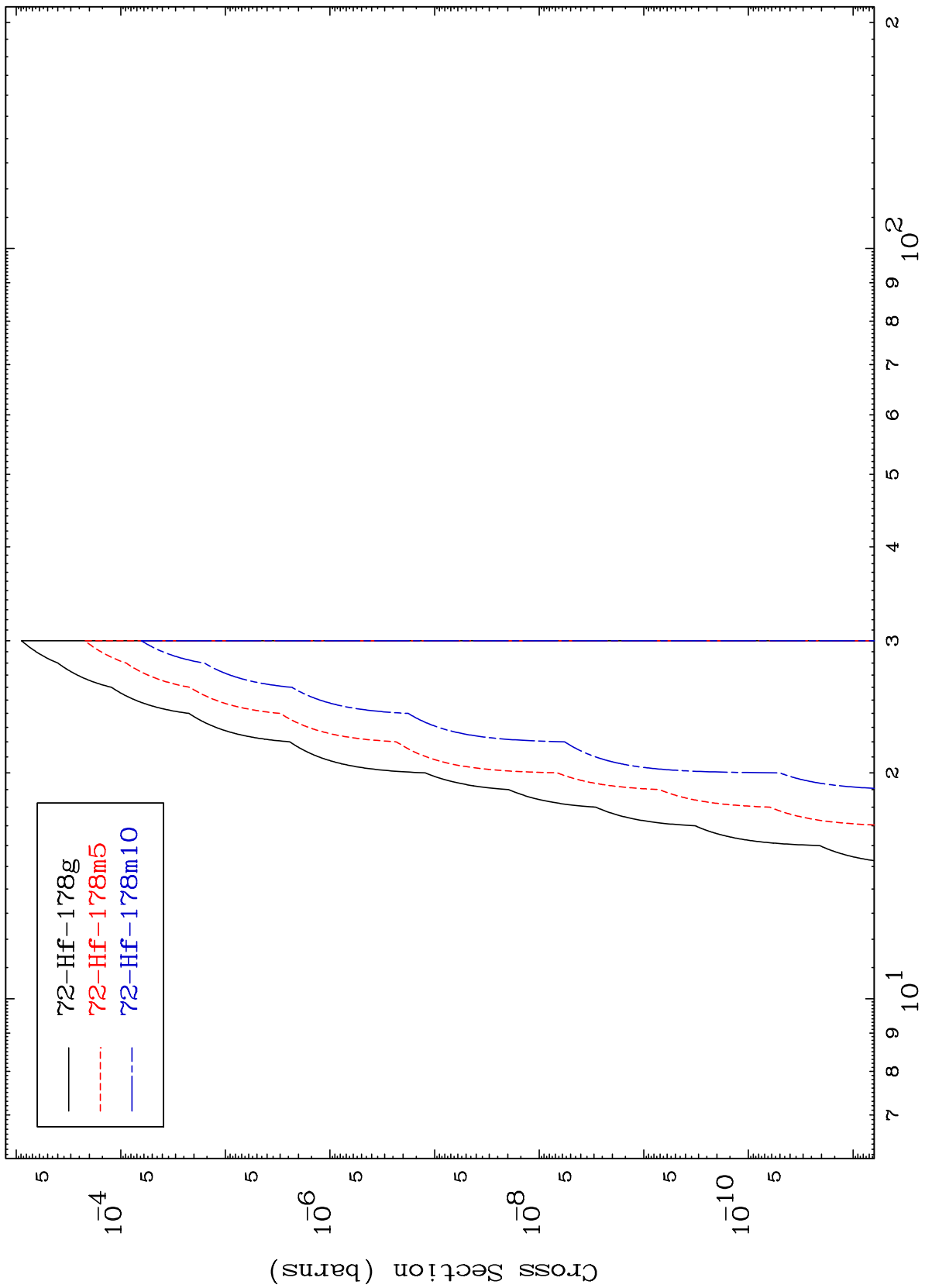


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(d,3n)  $\alpha$

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



16

Incident Energy (MeV)

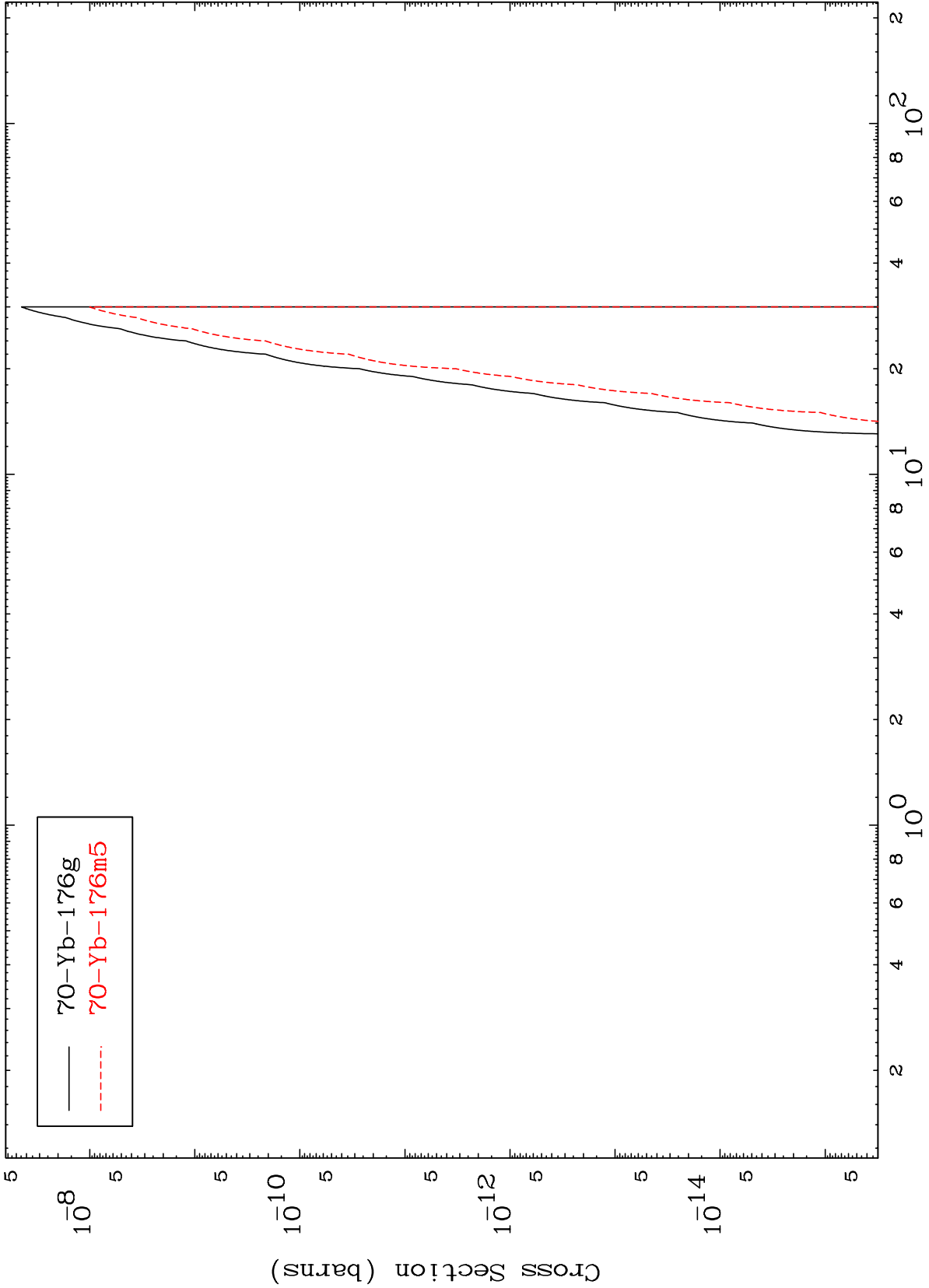
<sup>73</sup>Ta-183

MAT 7334

(d,n') 2α

73-Ta-183

Radionuclide Production Cross Section



17

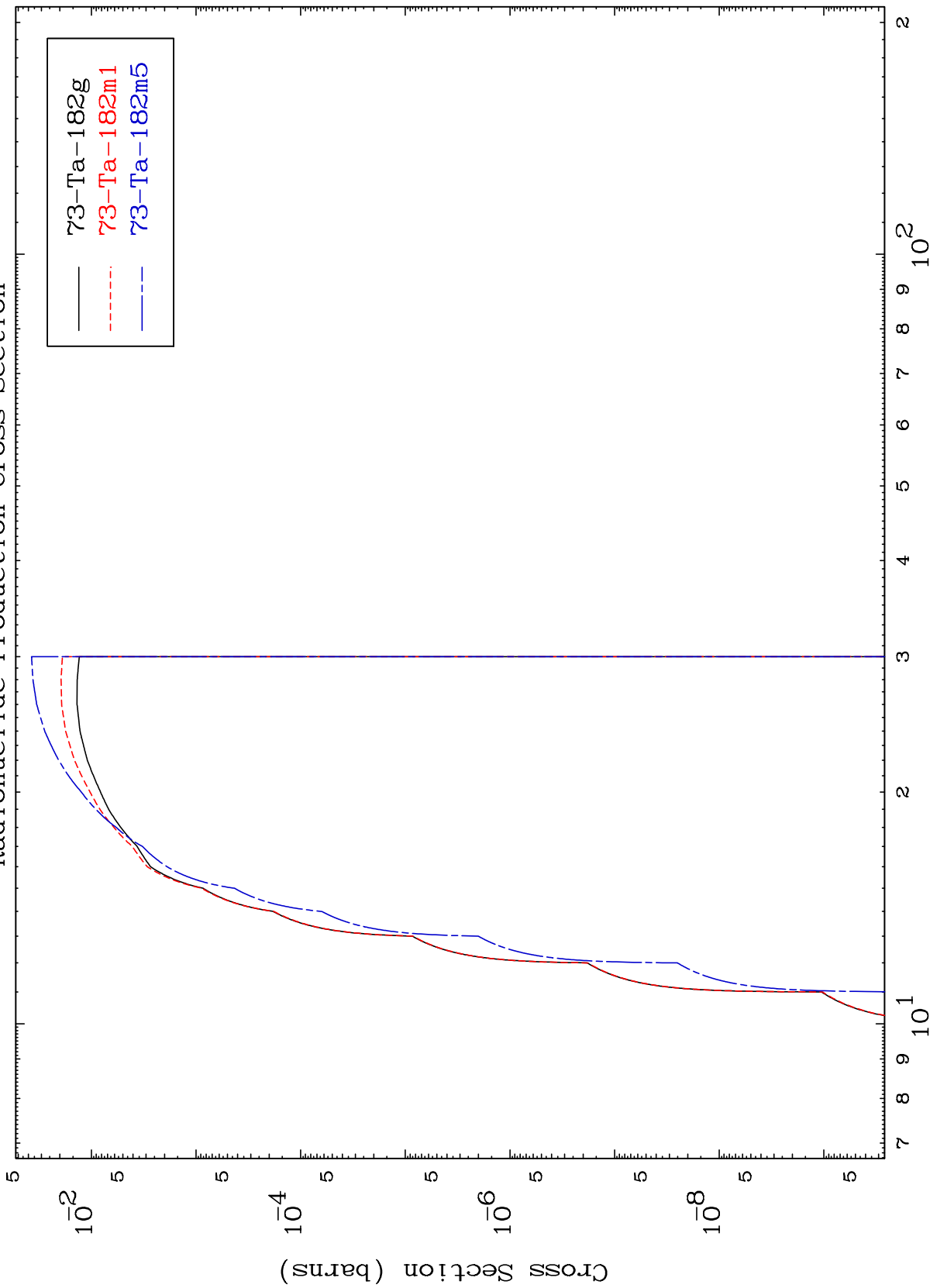
73-Ta-183

MAT 7334

(d,n') d

<sup>73</sup>Ta-<sup>183</sup>

Radionuclide Production Cross Section



18

Incident Energy (MeV)

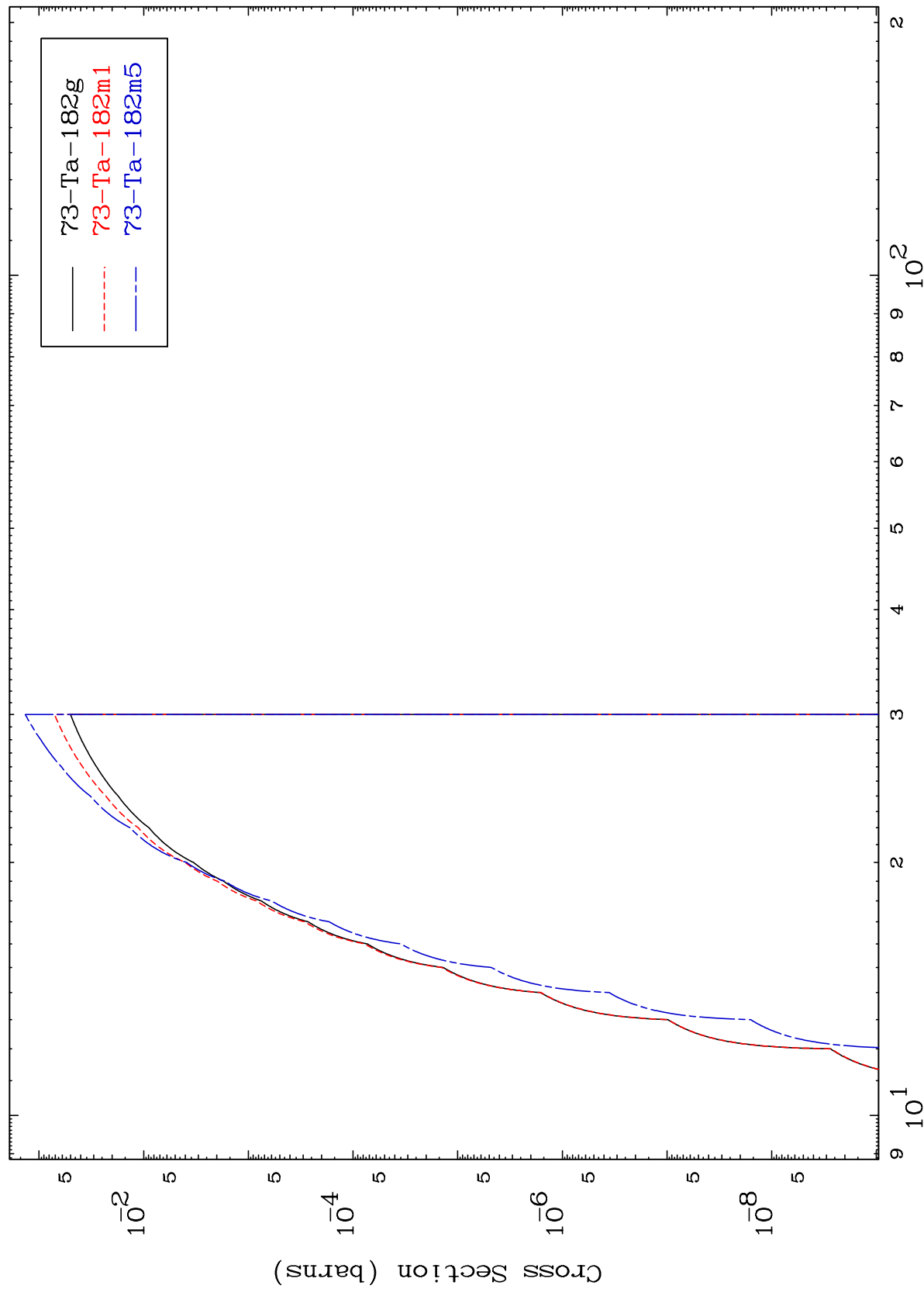
<sup>73</sup>Ta-<sup>183</sup>

MAT 7334

(d,2n) p

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



19

Incident Energy (MeV)

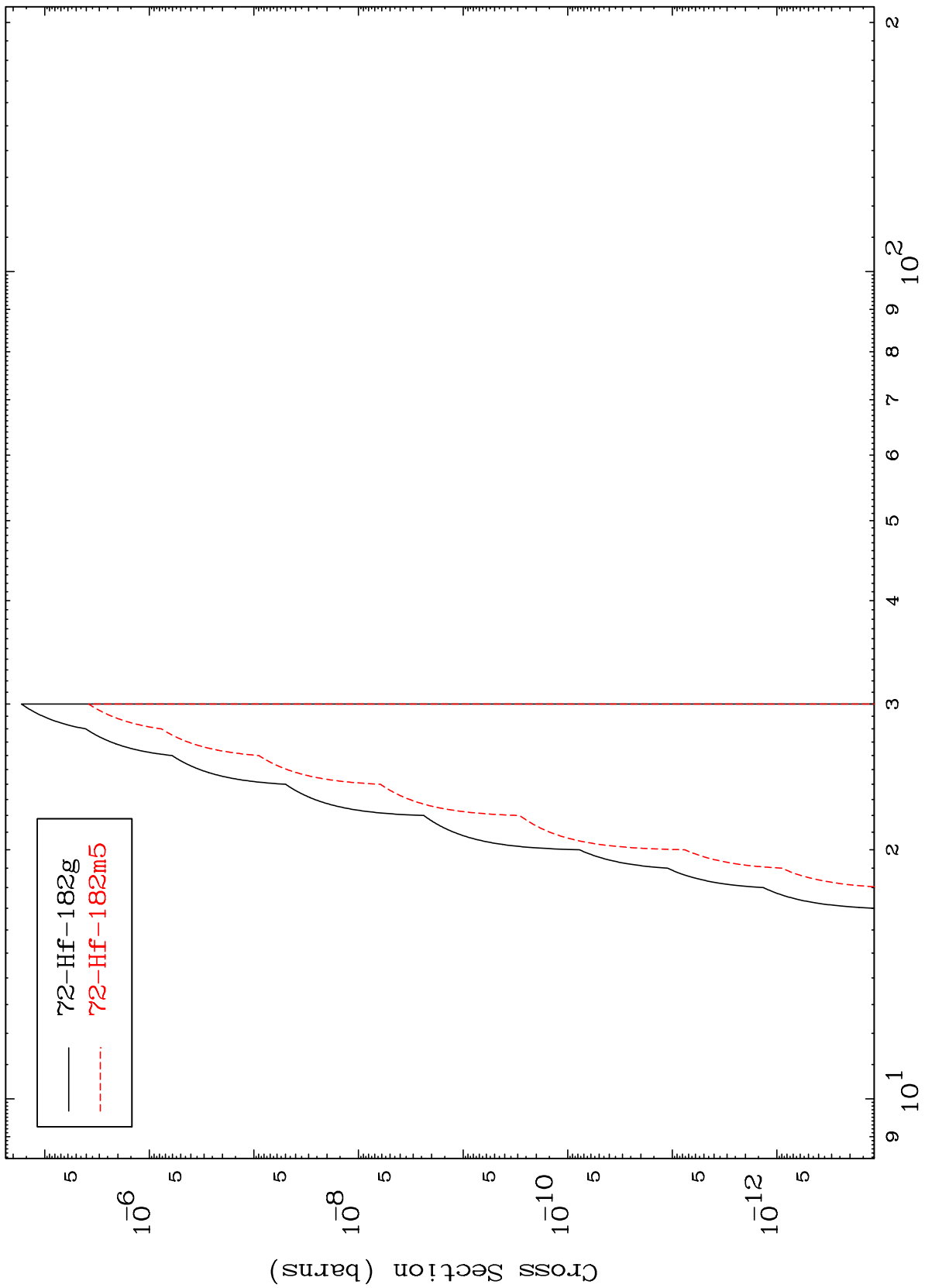
<sup>73</sup>Ta-183

MAT 7334

(d,2n) p

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



— 72-Hf-182g  
- - - 72-Hf-182m5

20

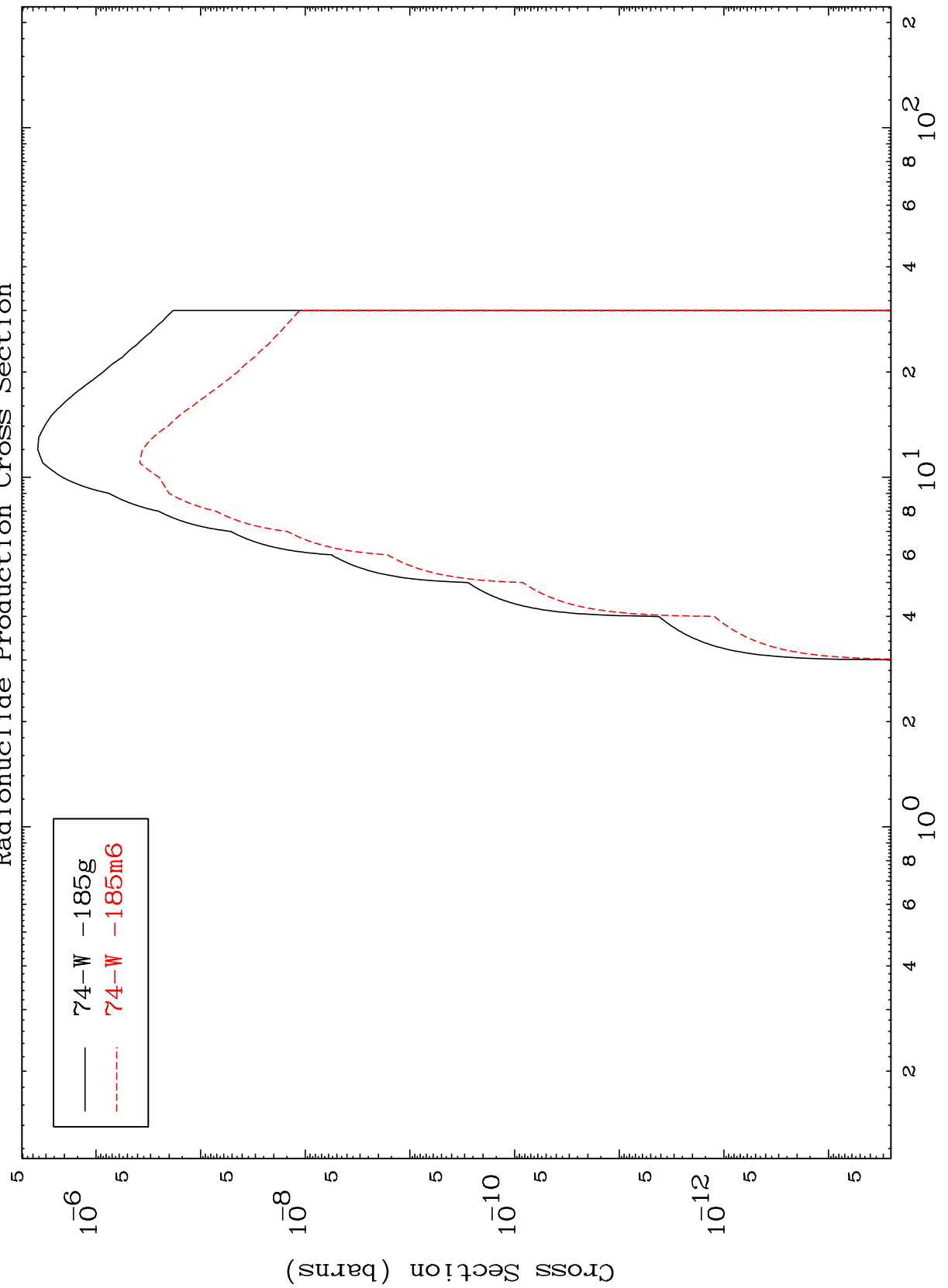
Incident Energy (MeV)

<sup>73</sup>Ta-183

MAT 7334

73-Ta-183

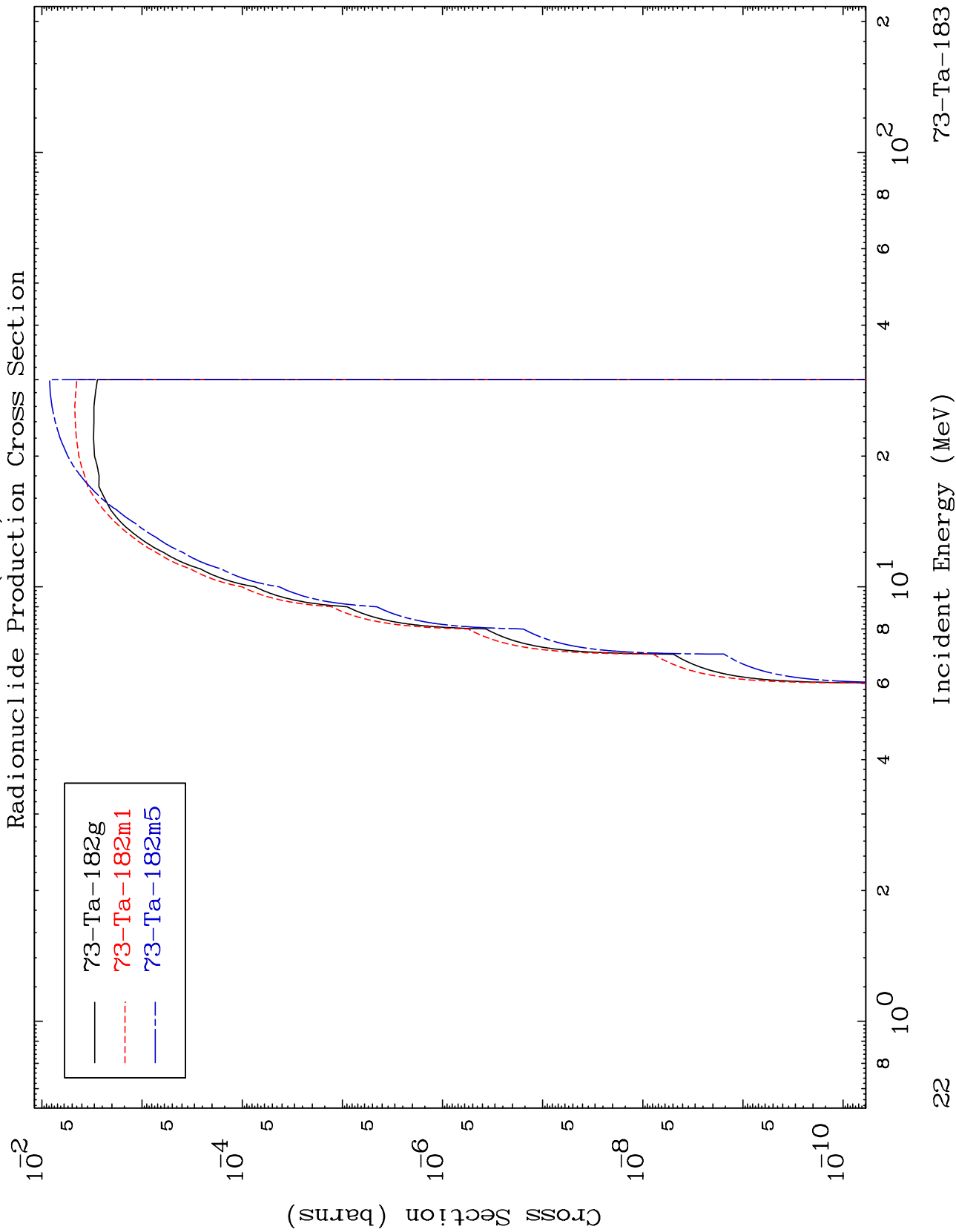
(d,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 7334

(d, t)

<sup>73</sup>Ta-183

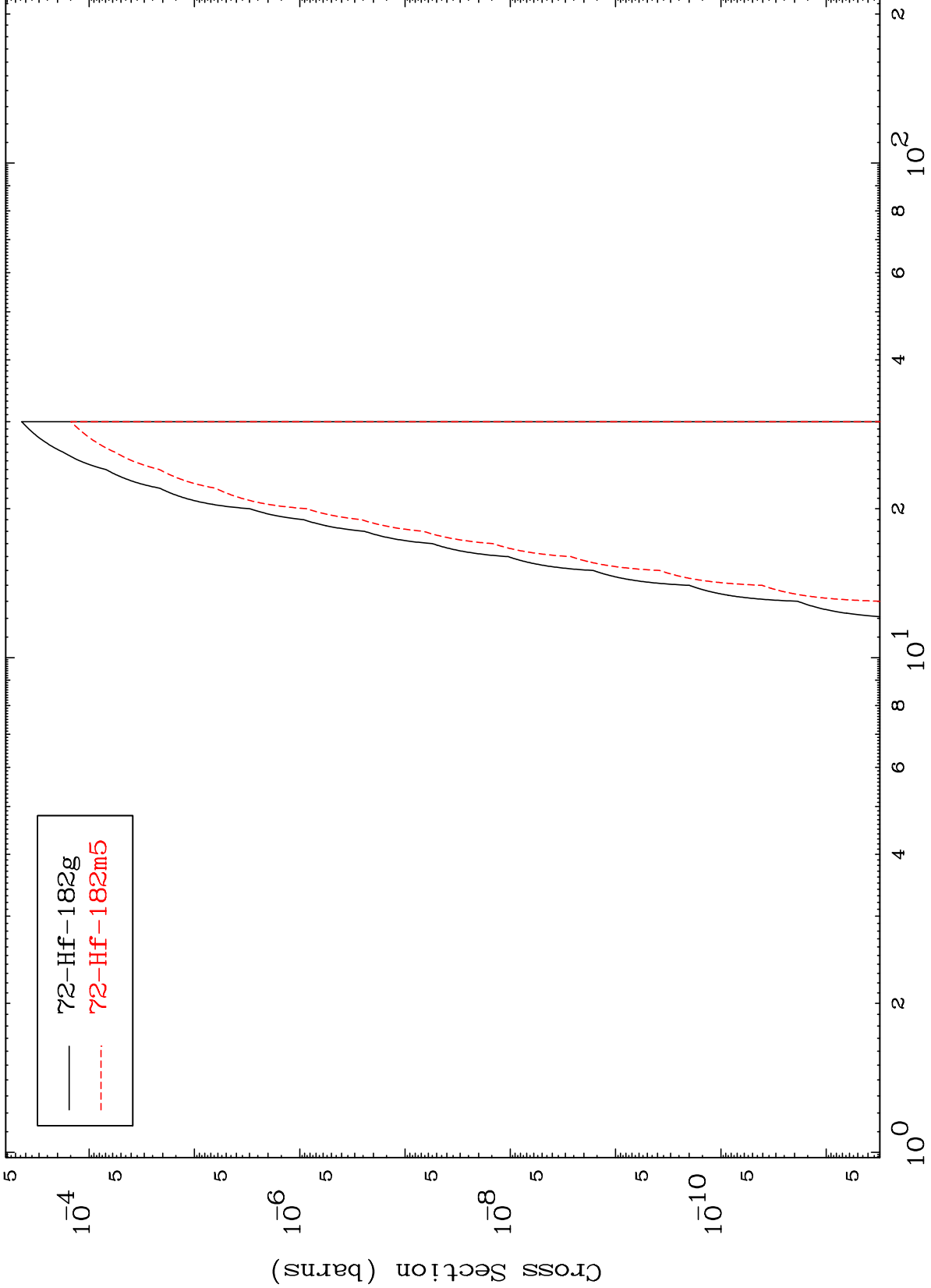


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(d,He-3)

73-Ta-183

Radionuclide Production Cross Section



72-Hf-182g  
72-Hf-182m5

Incident Energy (MeV)

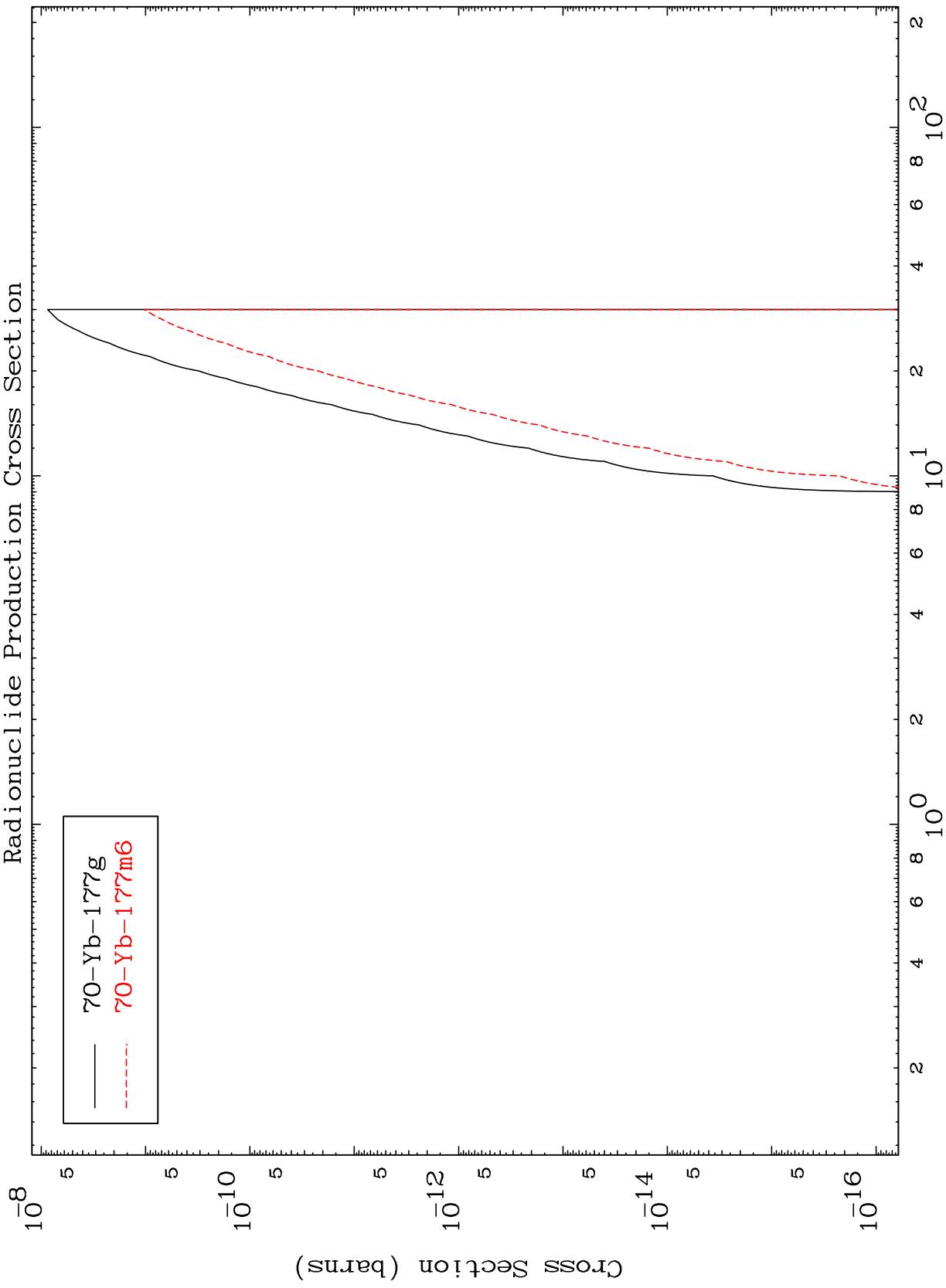
73-Ta-183

23

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73-Ta-183

Radionuclide Production Cross Section  
(d,2 $\alpha$ )



24

Incident Energy (MeV)

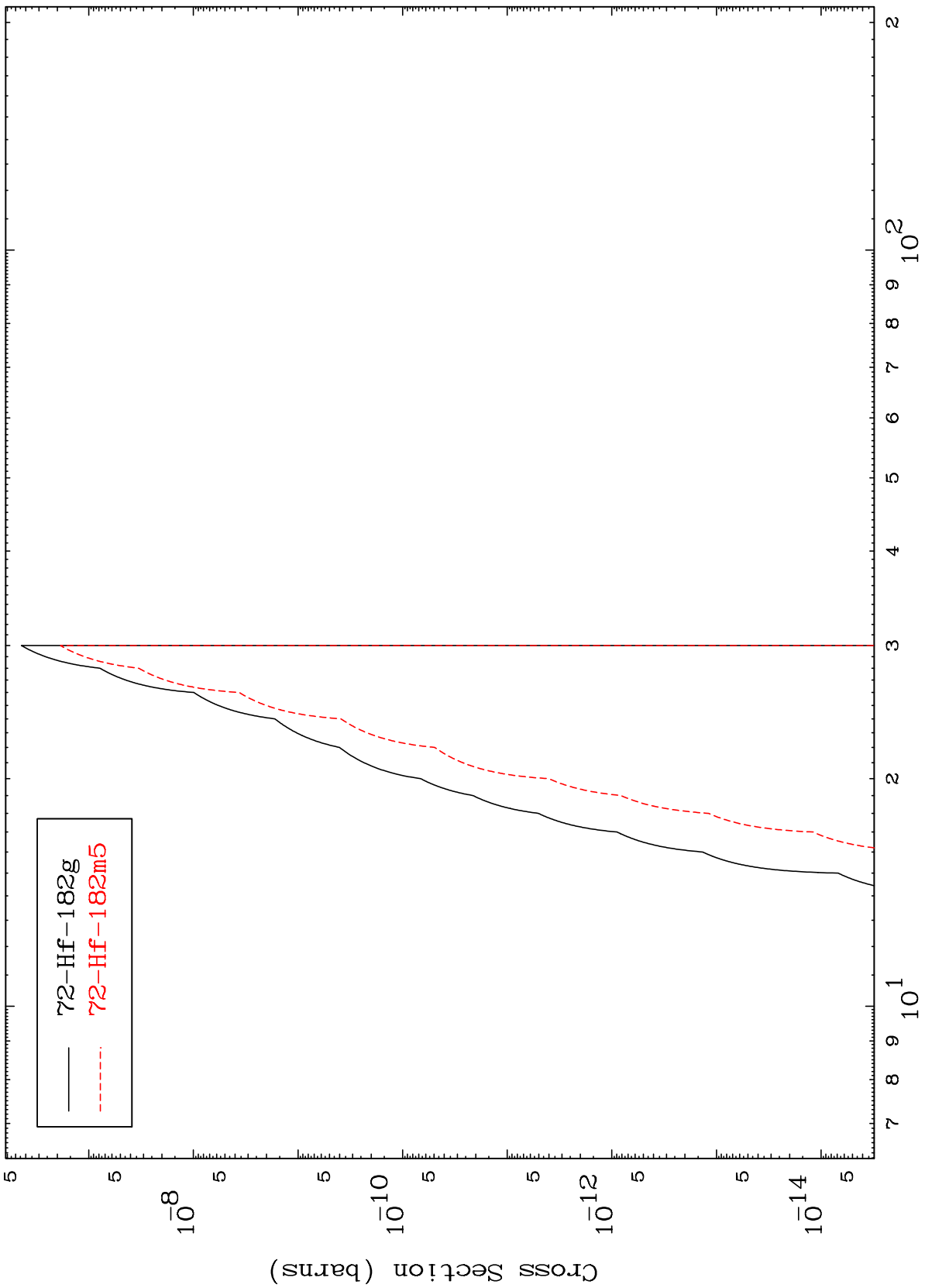
73-Ta-183

MAT 7334

(d,p) d

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



25

Incident Energy (MeV)

<sup>73</sup>Ta-183