

Program EVALPLOT  
(Version 2018-1)

by

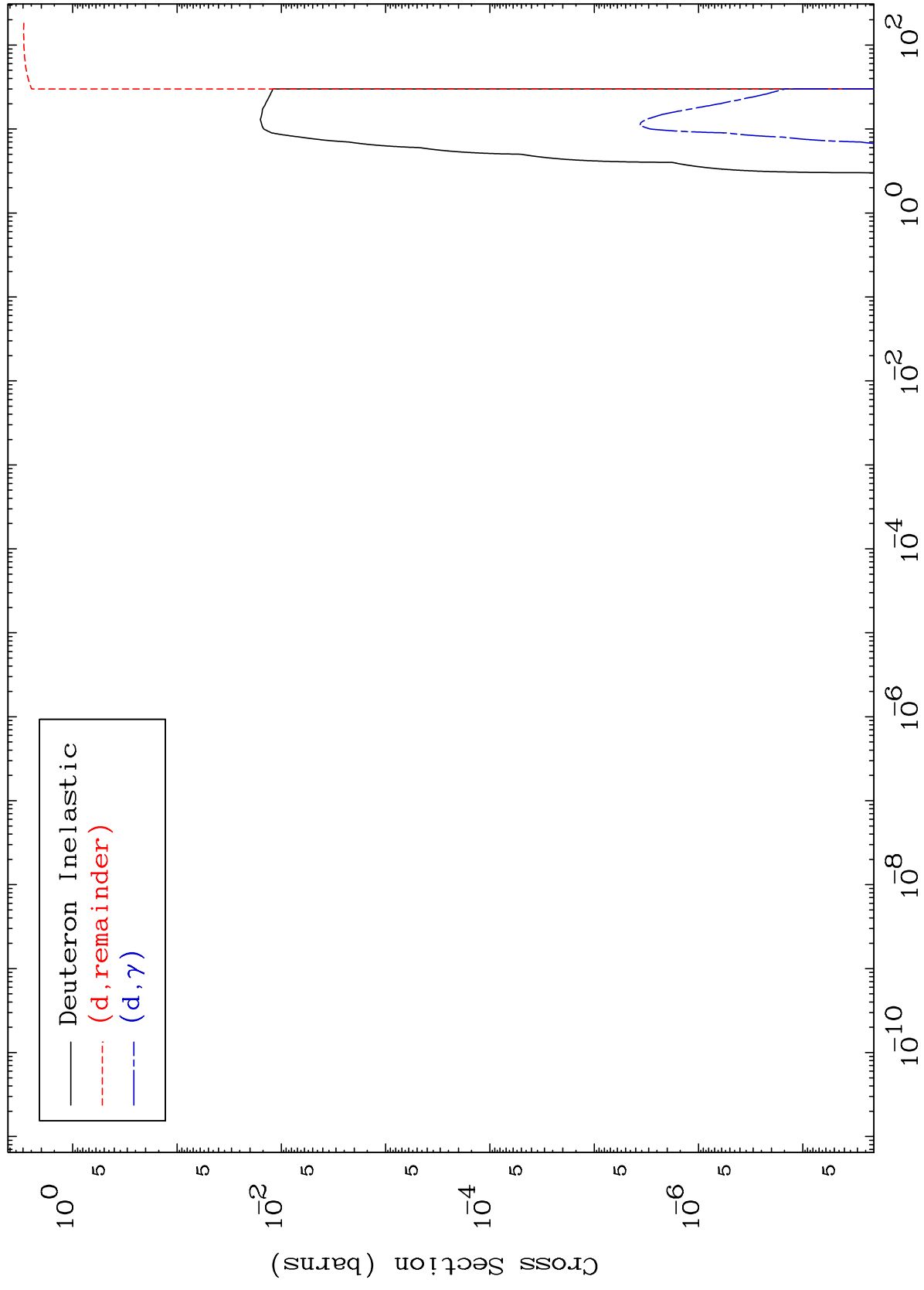
Dermott E. Cullen  
(Present Contact Information)

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

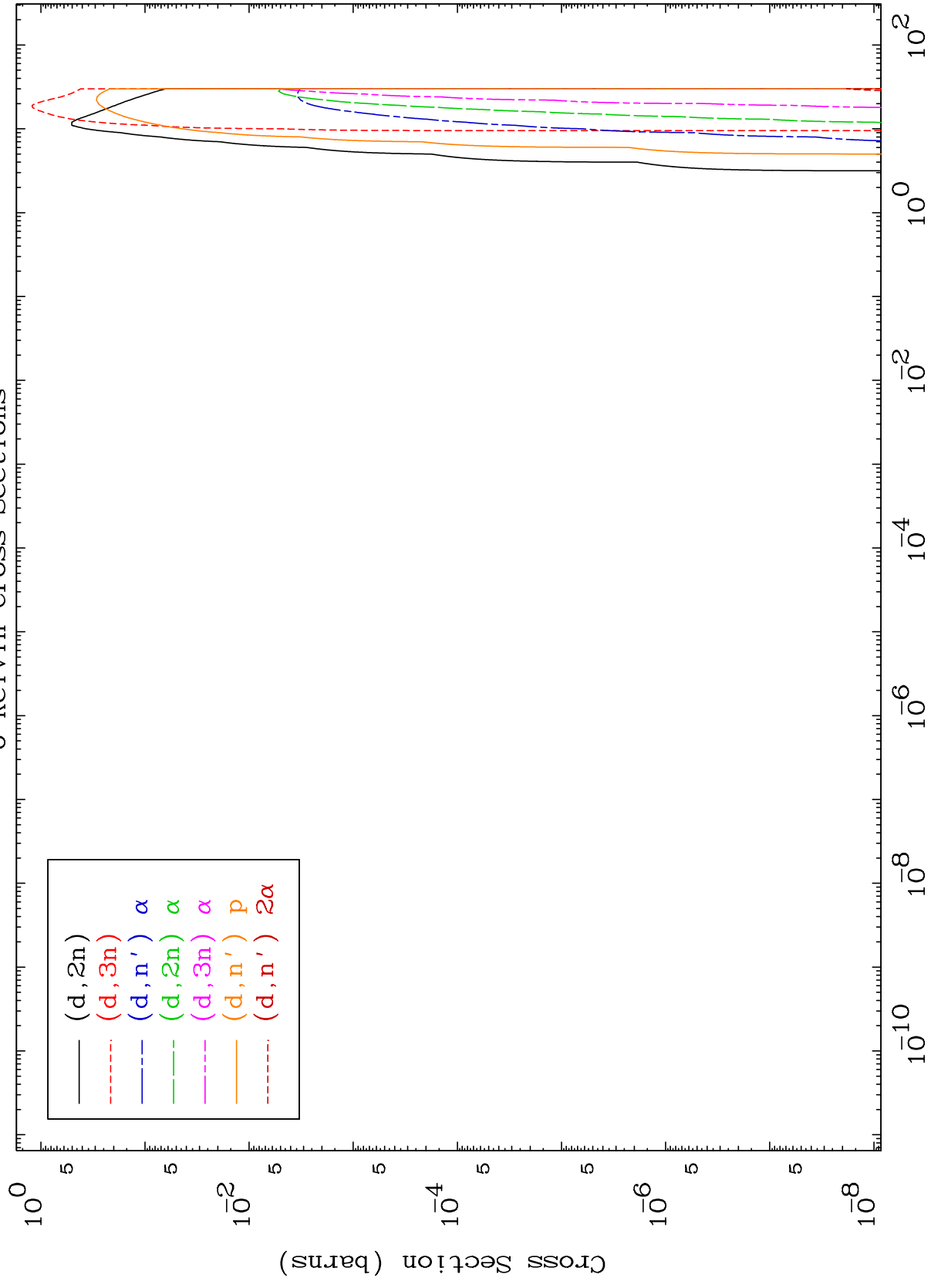
Press Mouse Button to Start



MAT 7049

Deuteron Neutron Production  
0 Kelvin Cross Sections

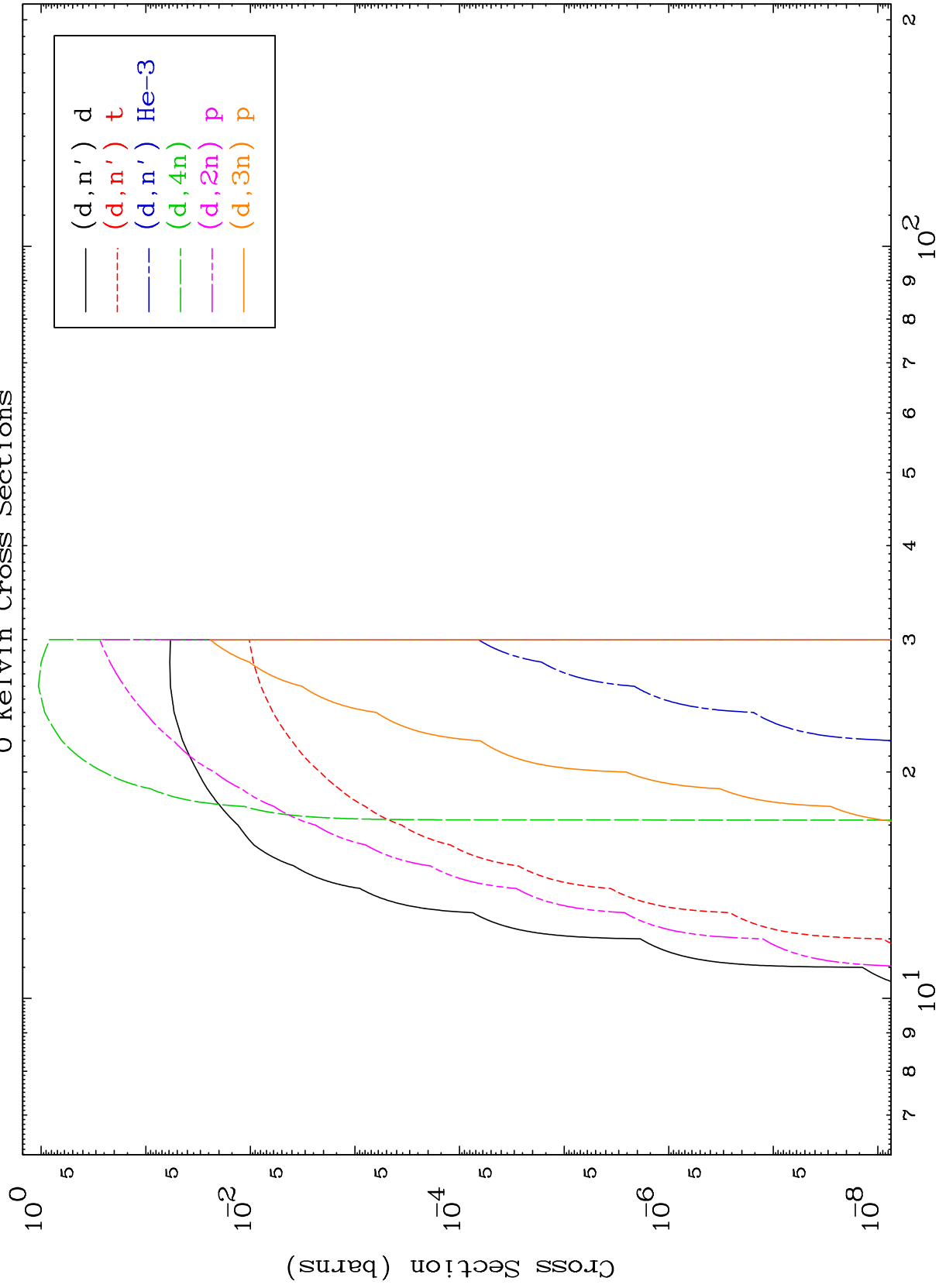
70-Yb-176



2

Incident Energy (MeV)

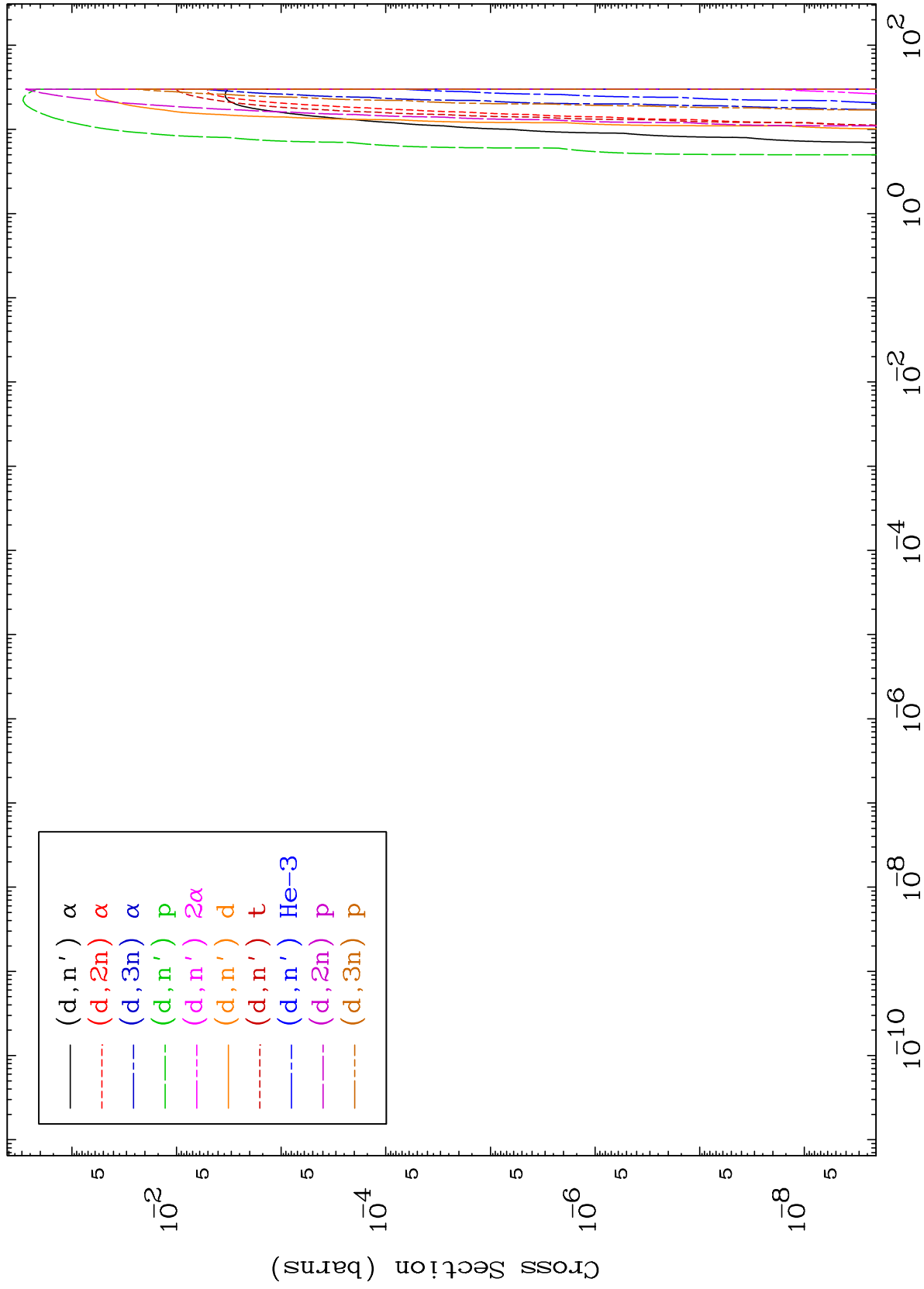
70-Yb-176



MAT 7049

Deuteron Charged Particle  
0 Kelvin Cross Sections

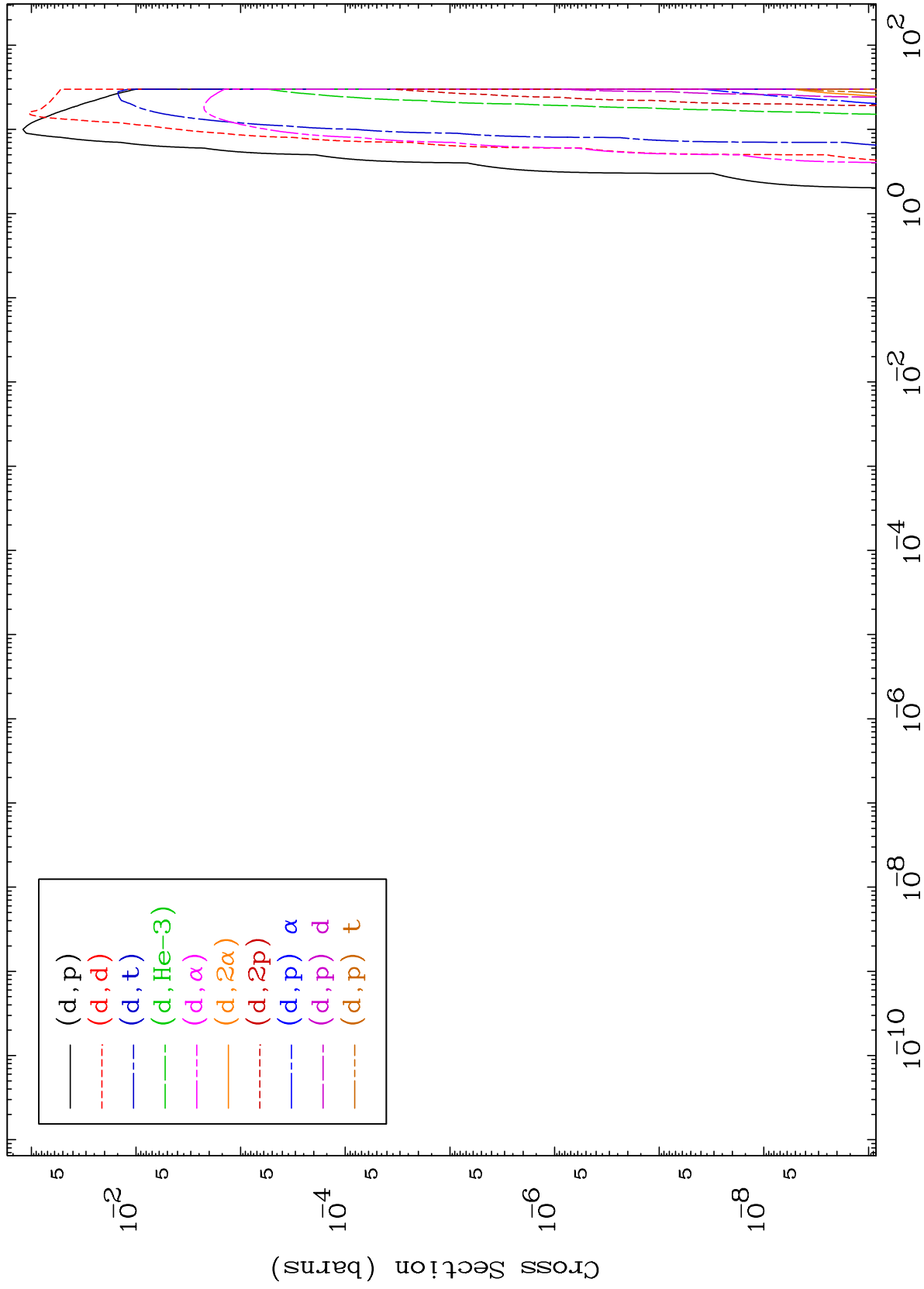
70-Yb-176



MAT 7049

Deuteron Charged Particle  
0 Kelvin Cross Sections

70-Yb-176



5

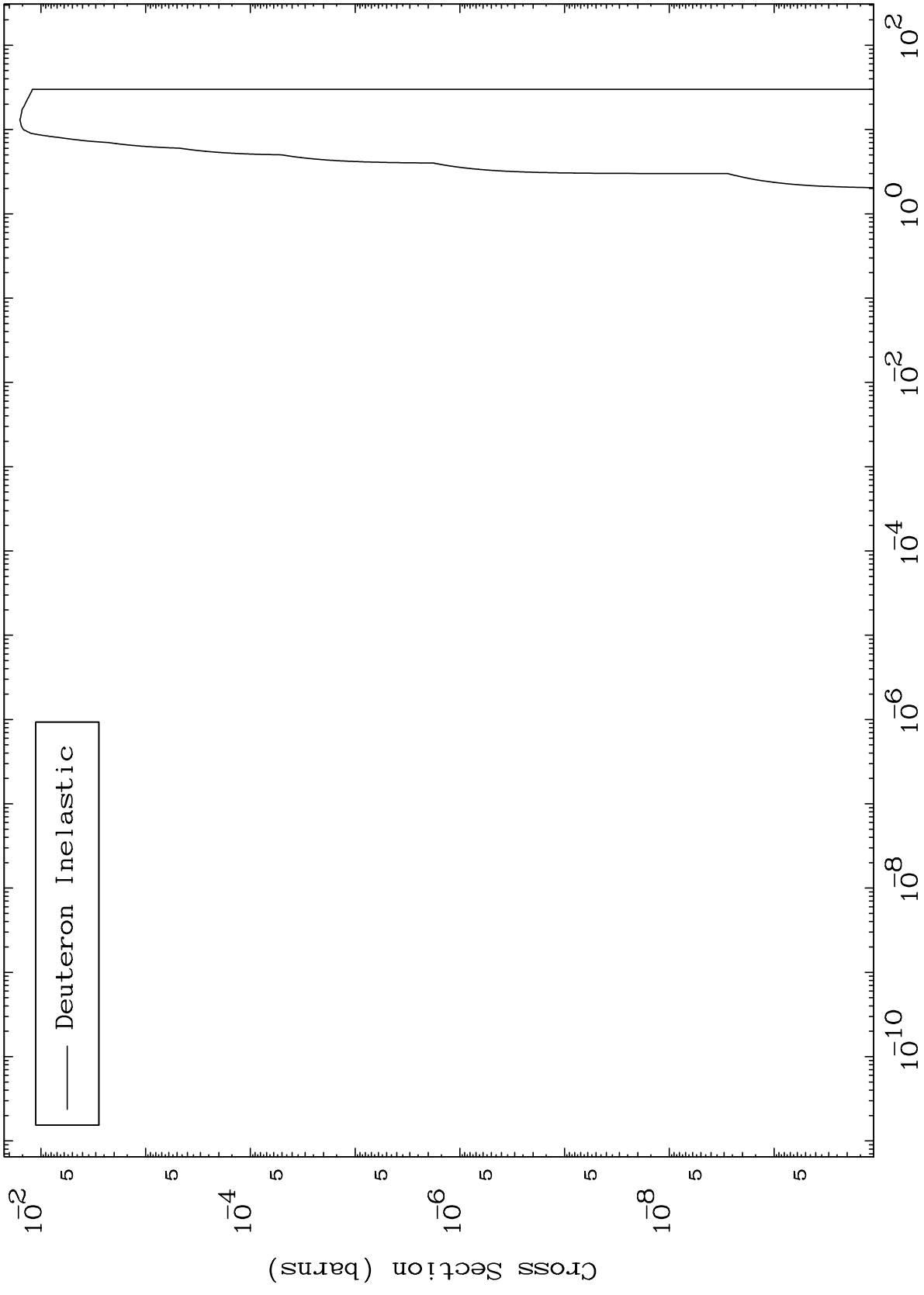
Incident Energy (MeV)

70-Yb-176

MAT 7049

(d,n') Level  
0 Kelvin Cross Sections

70-Yb-176

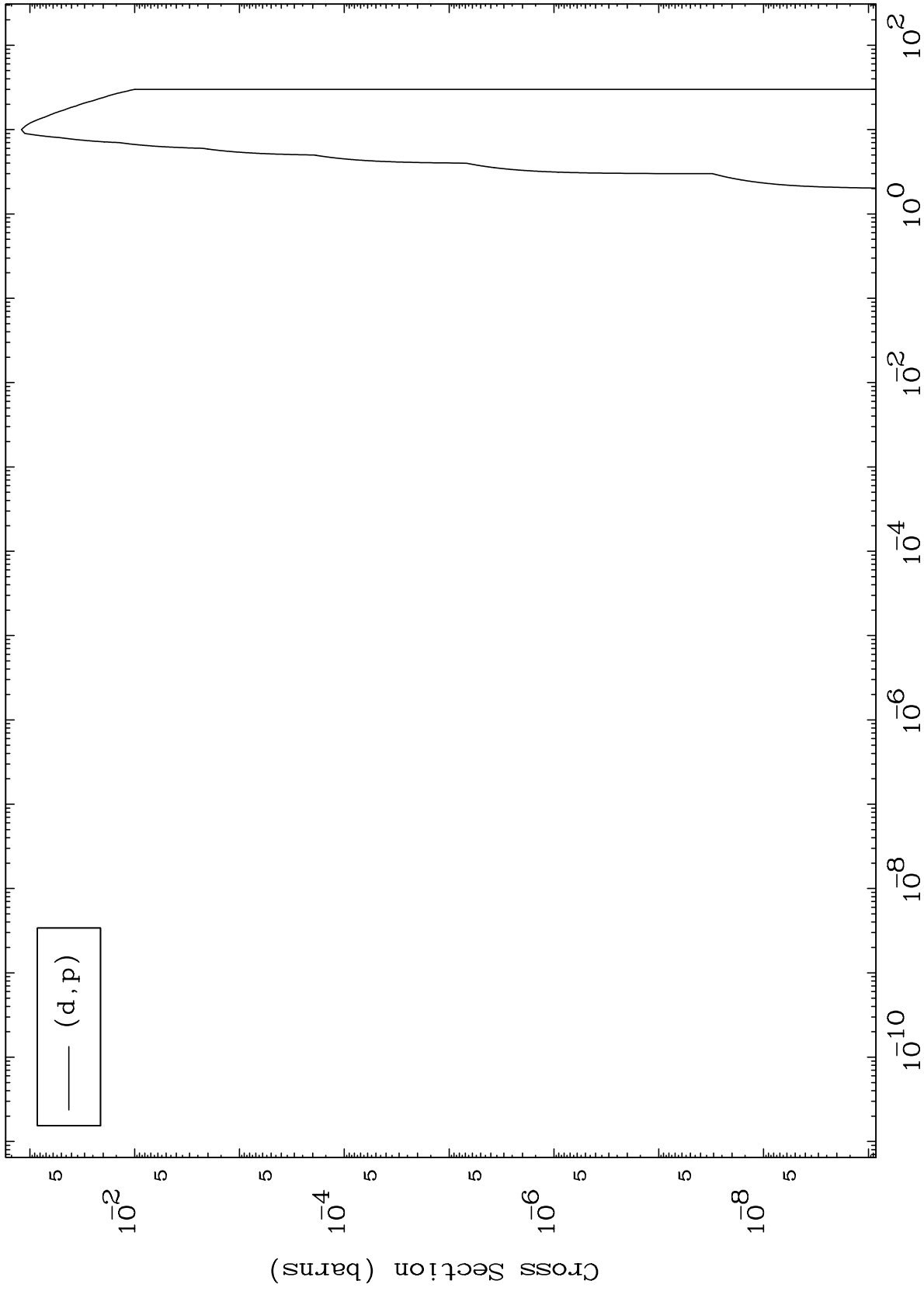


70-Yb-176

MAT 7049

(d,p) Levels  
0 Kelvin Cross Sections

70-Yb-176



7

Incident Energy (MeV)

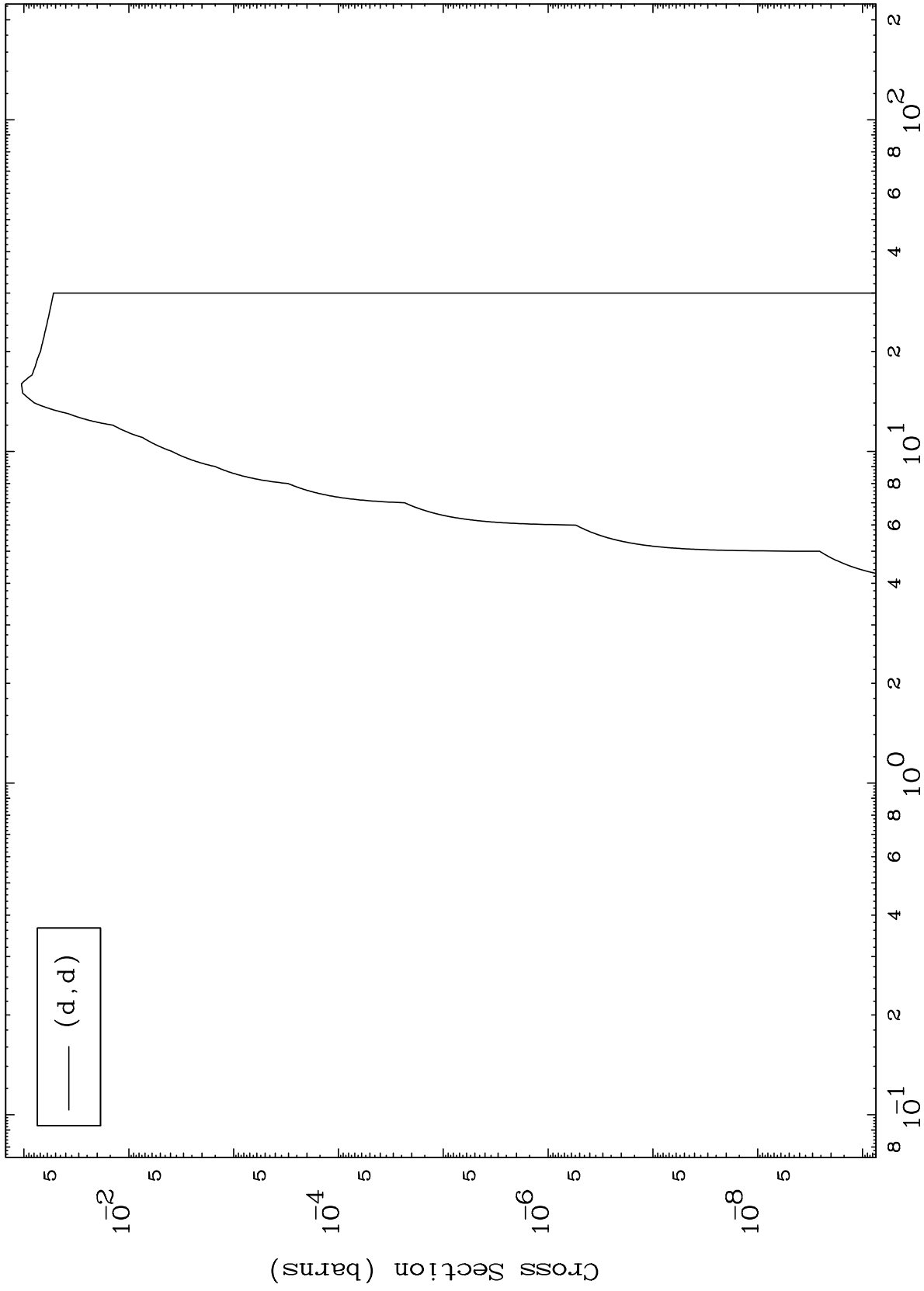
70-Yb-176



MAT 7049

(d,d) Levels  
0 Kelvin Cross Sections

70-Yb-176



8

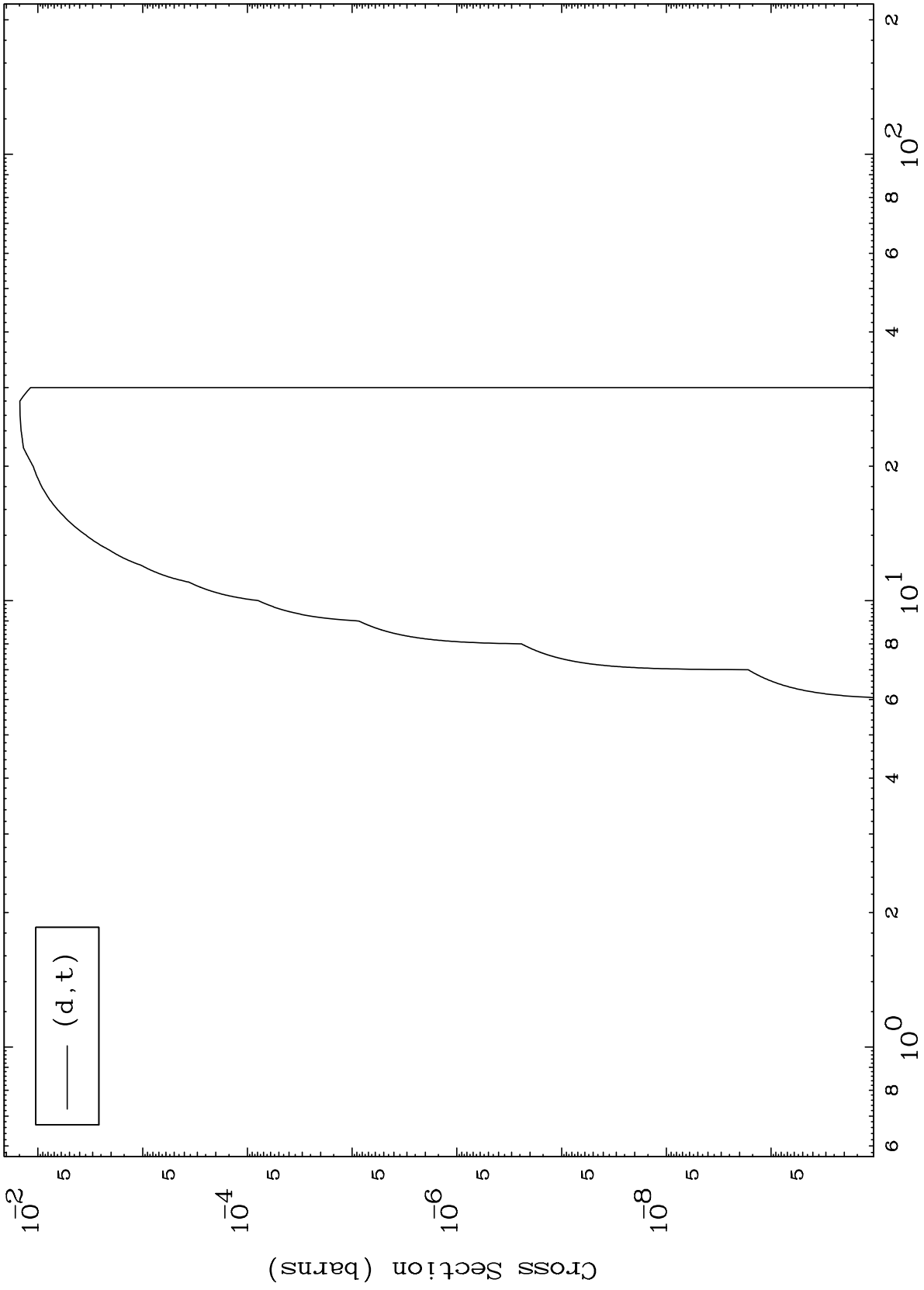
Incident Energy (MeV)

70-Yb-176

MAT 7049

(d,t) Levels  
0 Kelvin Cross Sections

70-Yb-176



(d,t)

9

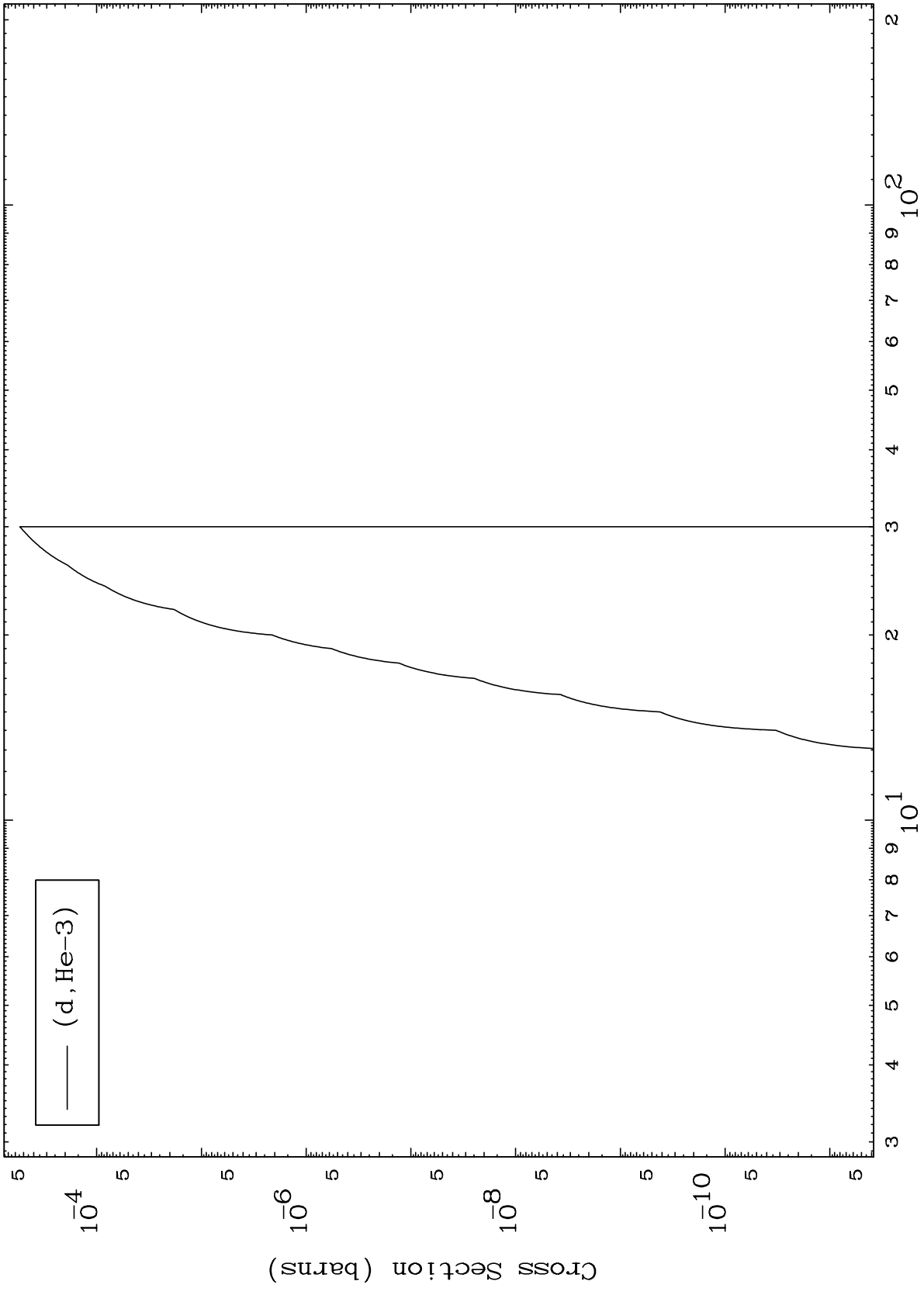
Incident Energy (MeV)

70-Yb-176

MAT 7049

(d,He3) Levels  
0 Kelvin Cross Sections

70-Yb-176



10

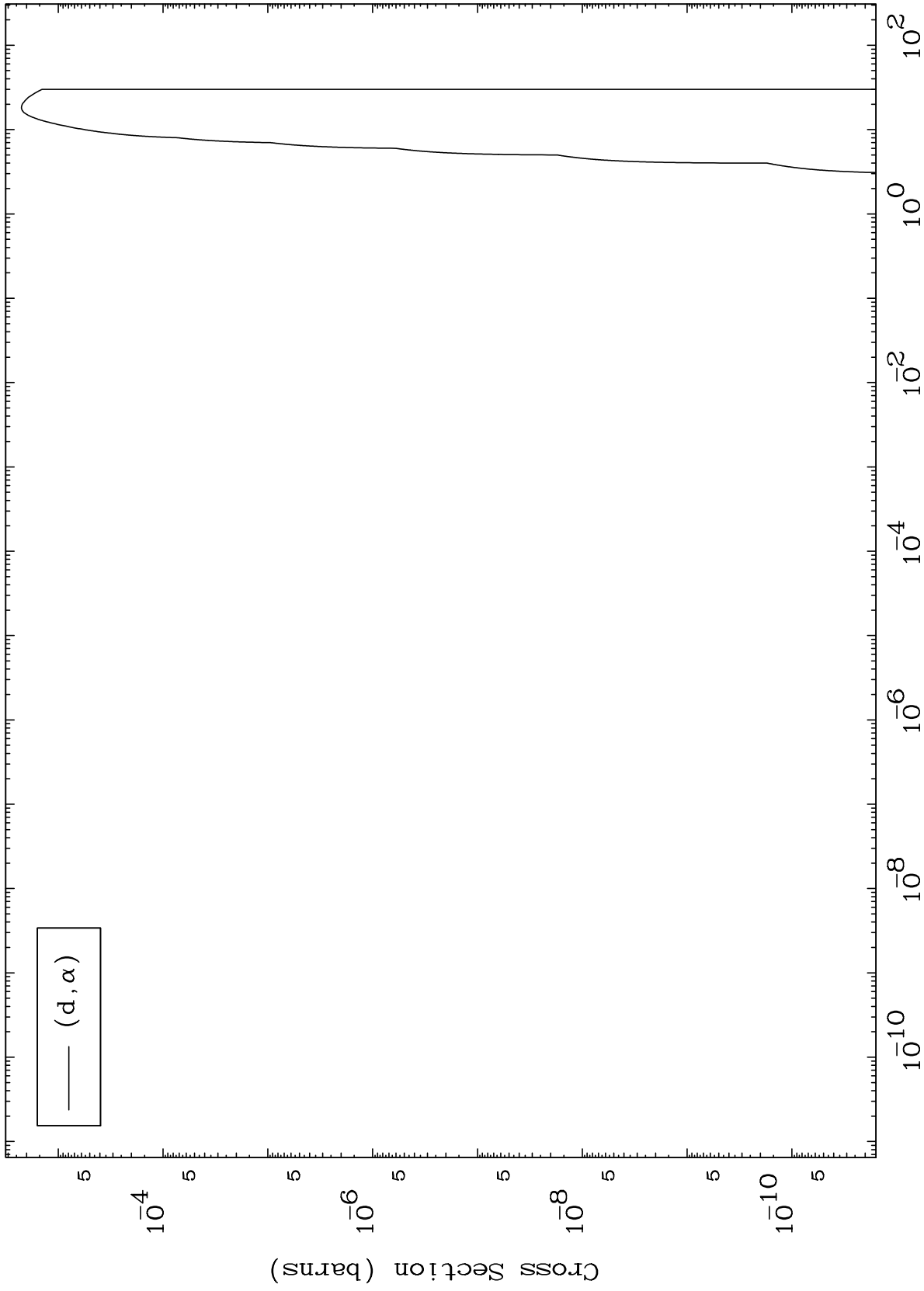
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

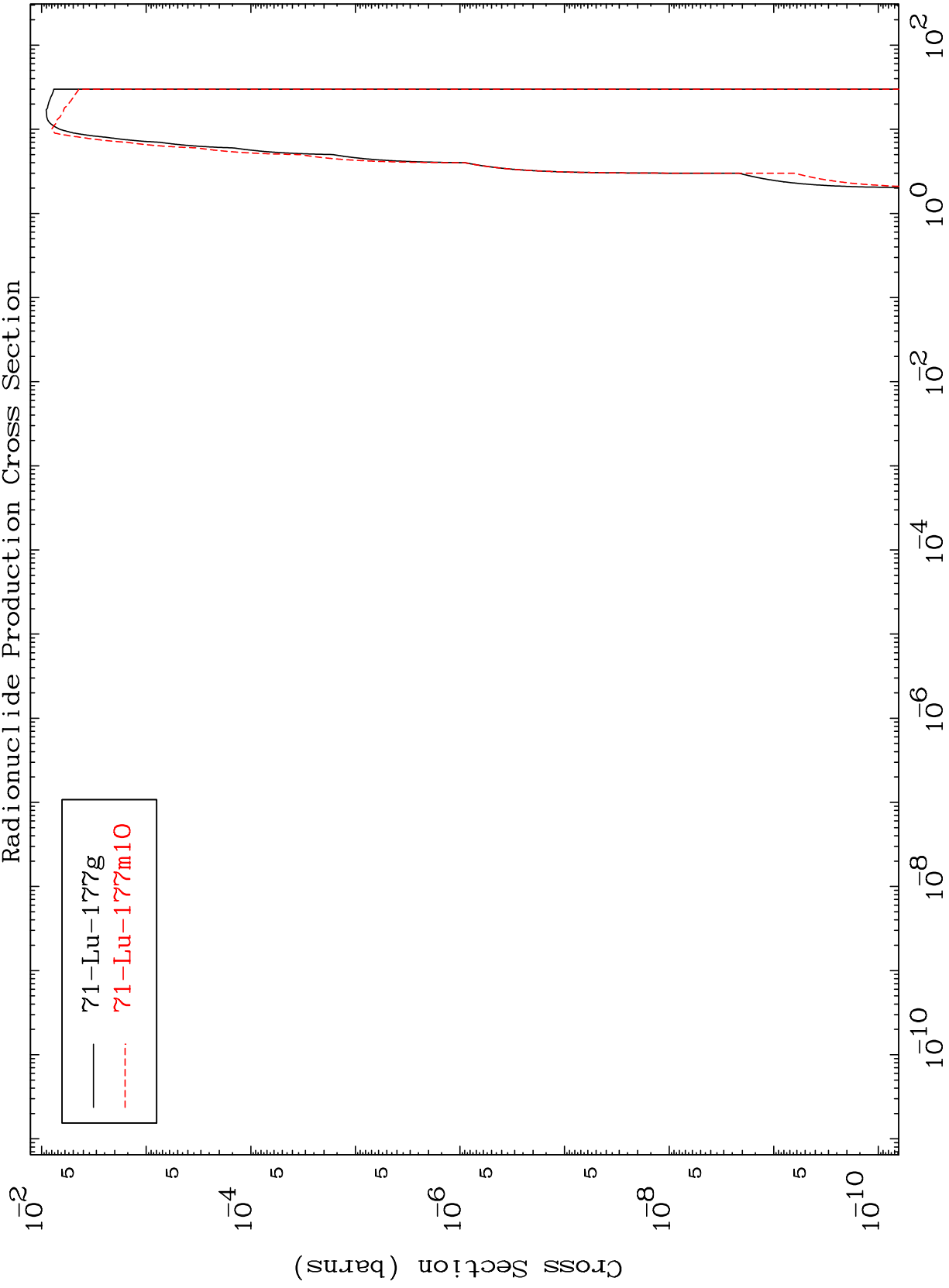
70-Yb-176



MAT 7049

Deuteron Inelastic  
Radionuclide Production Cross Section

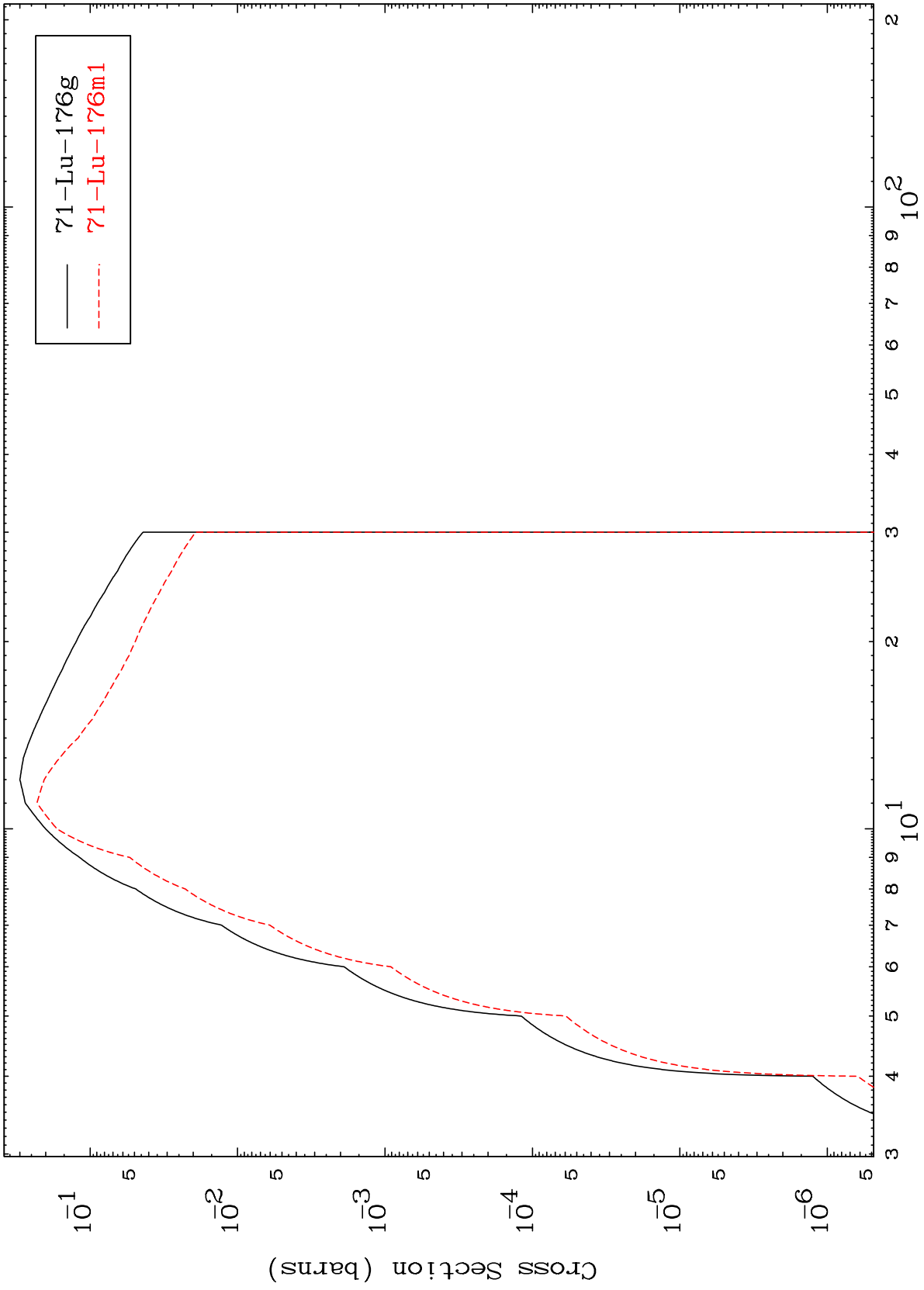
70-Yb-176



MAT 7049

70-Yb-176

Radionuclide Production Cross Section  
(d,2n)



13

Incident Energy (MeV)

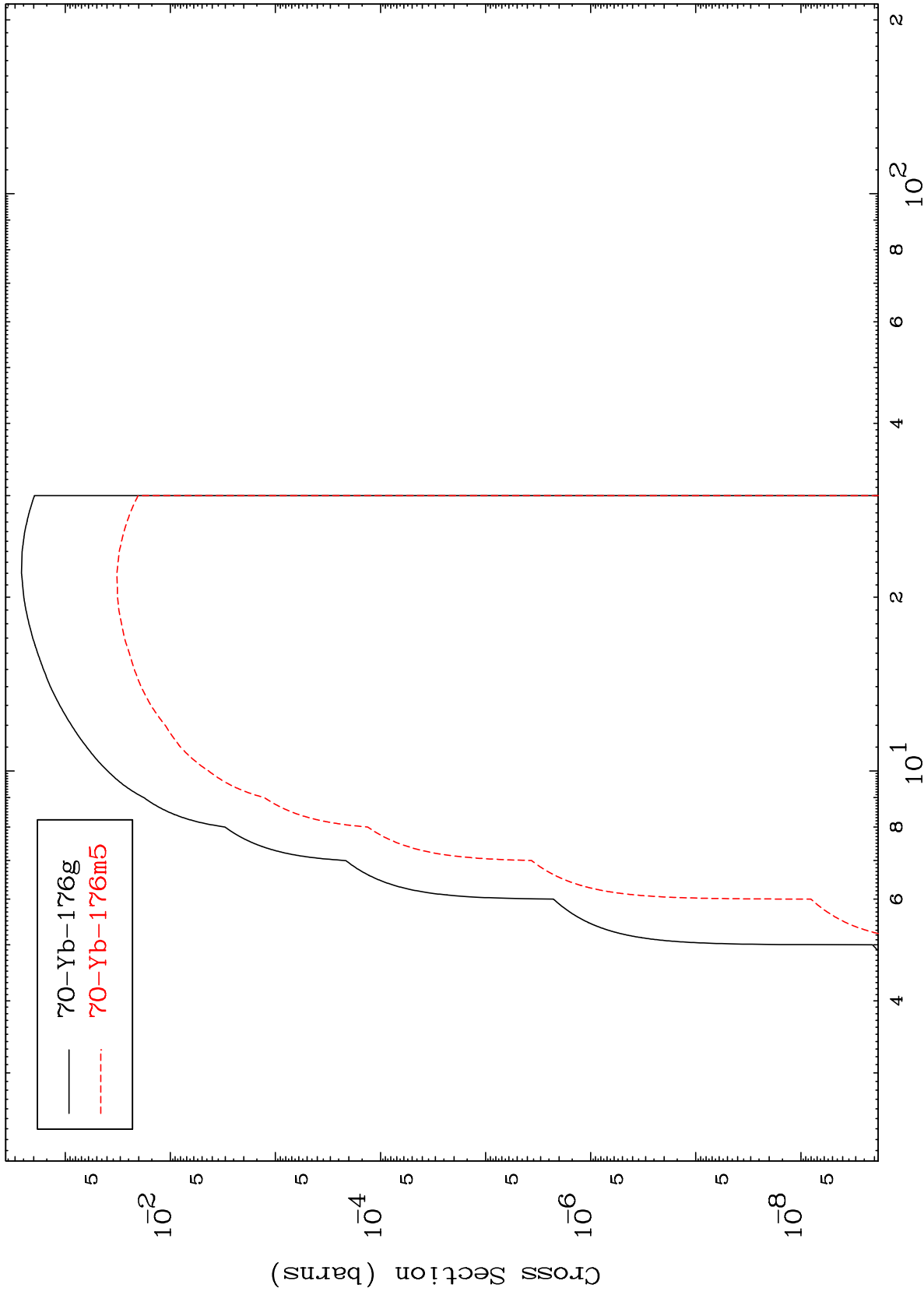
70-Yb-176

MAT 7049

(d,n') p

<sup>70</sup>Yb-176

Radionuclide Production Cross Section



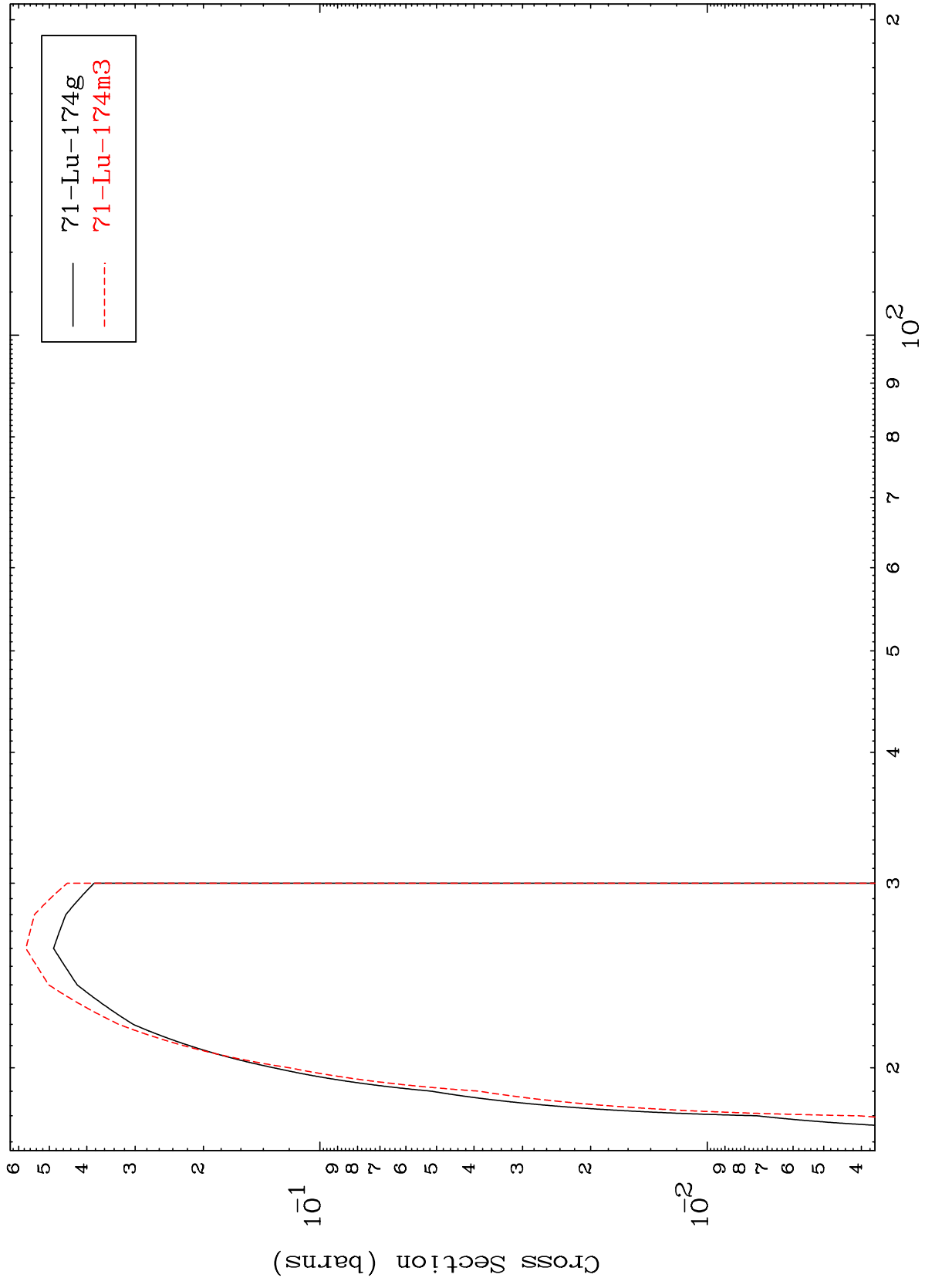
Legend:  
— 70-Yb-176g  
- - - 70-Yb-176m5

MAT 7049

(d,4n)

70-Yb-176

Radionuclide Production Cross Section



15

Incident Energy (MeV)

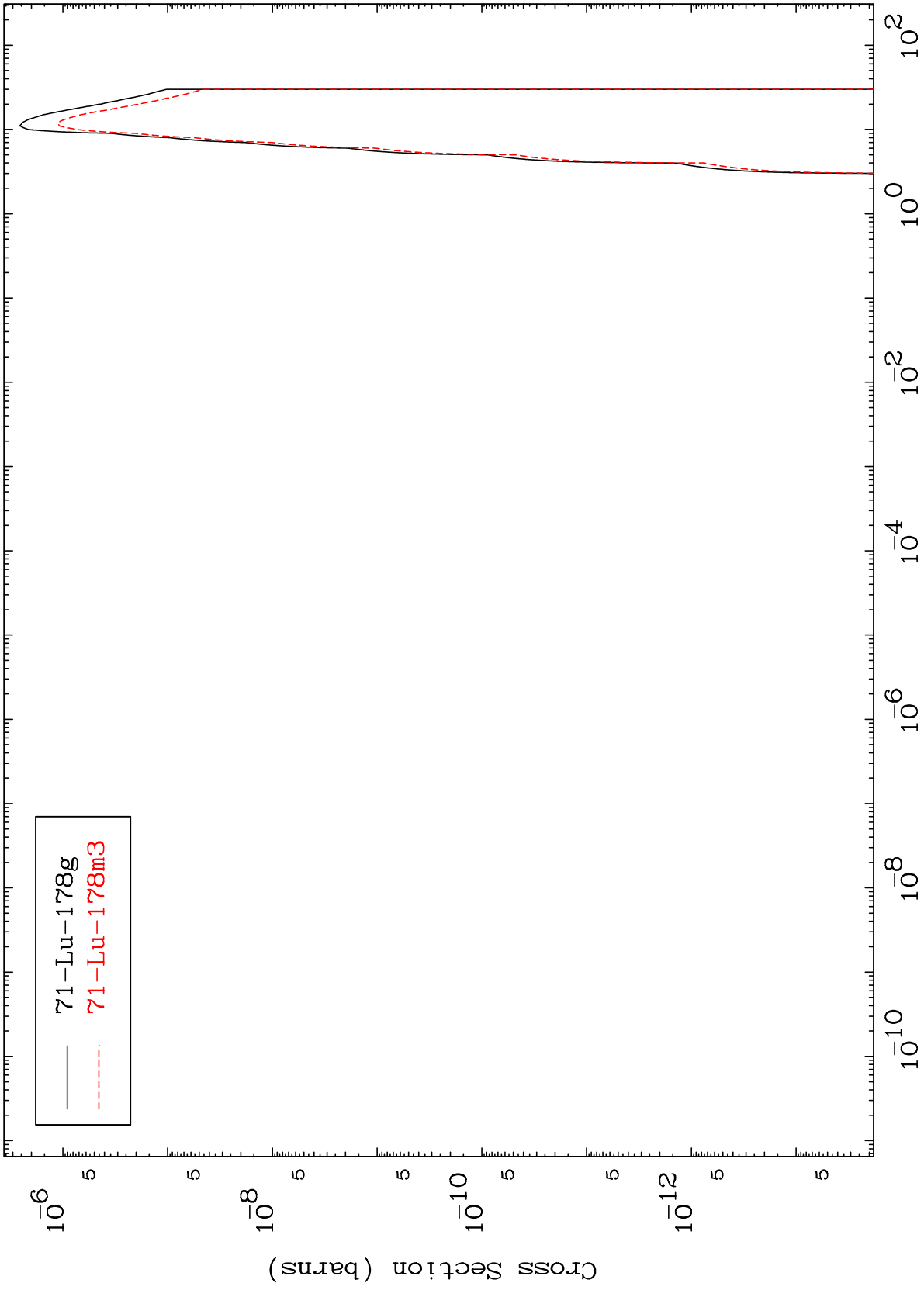
70-Yb-176



MAT 7049

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

$^{70}\text{Yb-176}$



16

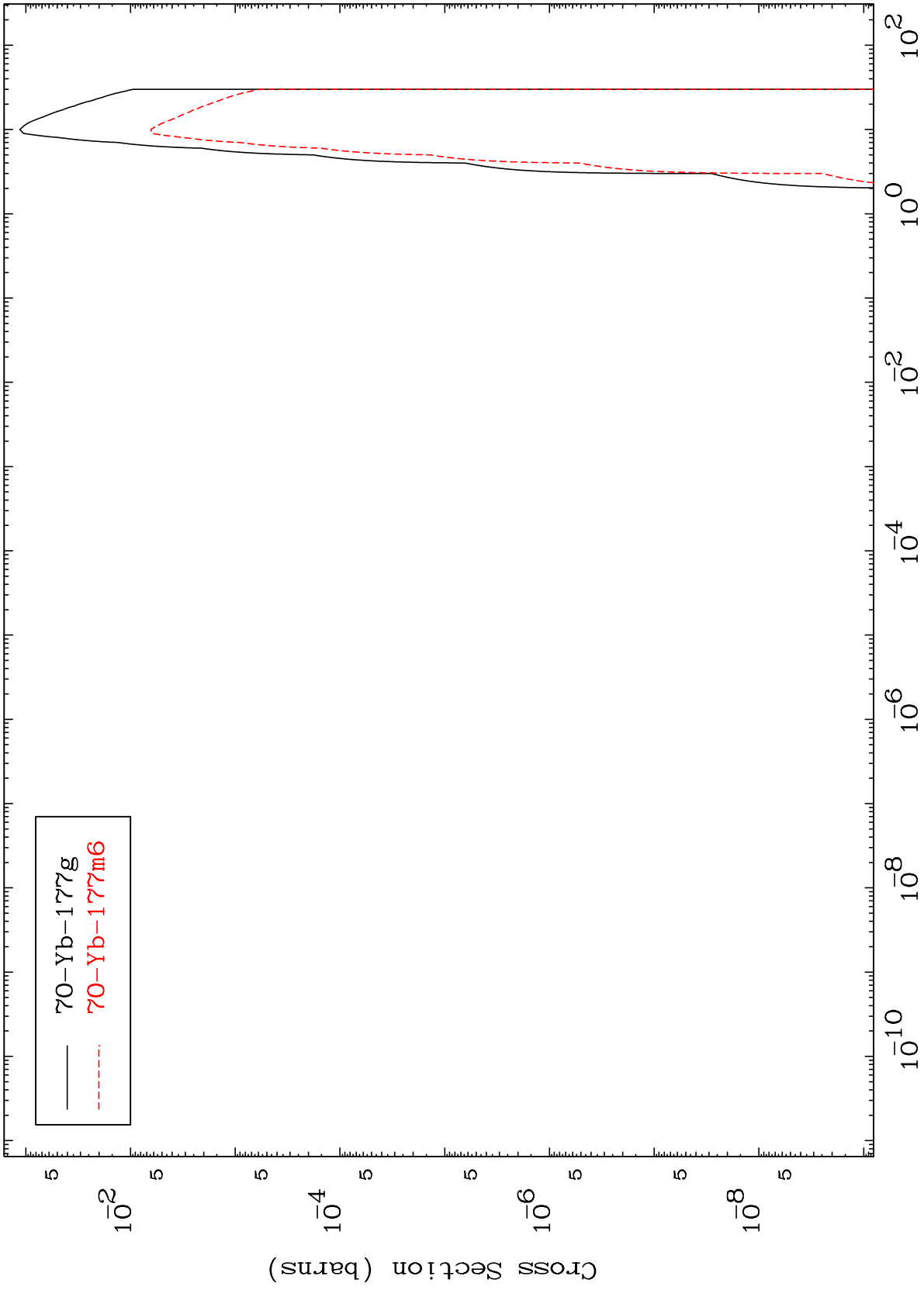
Incident Energy (MeV)

$^{70}\text{Yb-176}$

MAT 7049

(d,p)  
Radionuclide Production Cross Section

<sup>70</sup>Yb-176



17

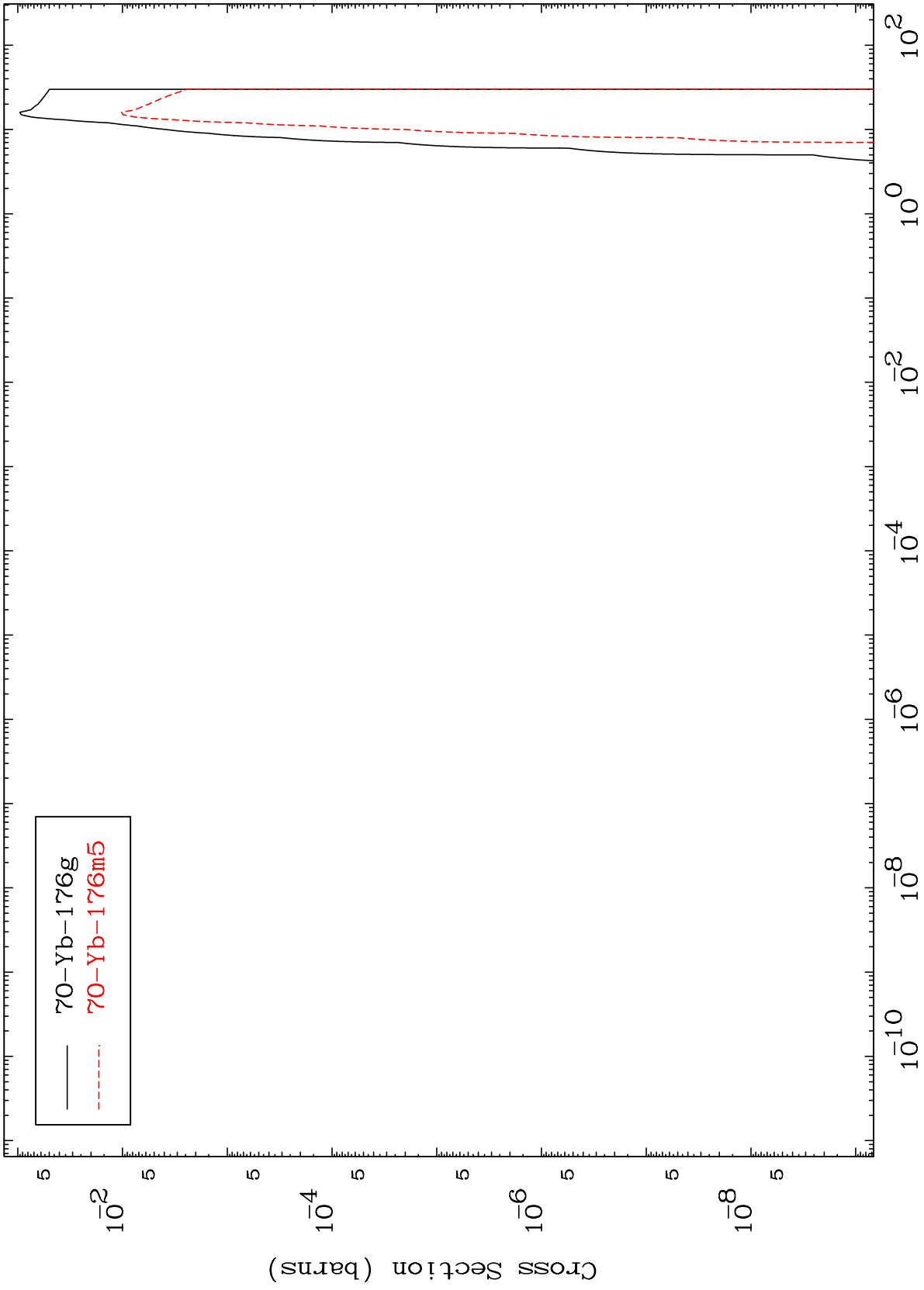
Incident Energy (MeV)

<sup>70</sup>Yb-176

MAT 7049

(d,d)

Radionuclide Production Cross Section



18

Incident Energy (MeV)

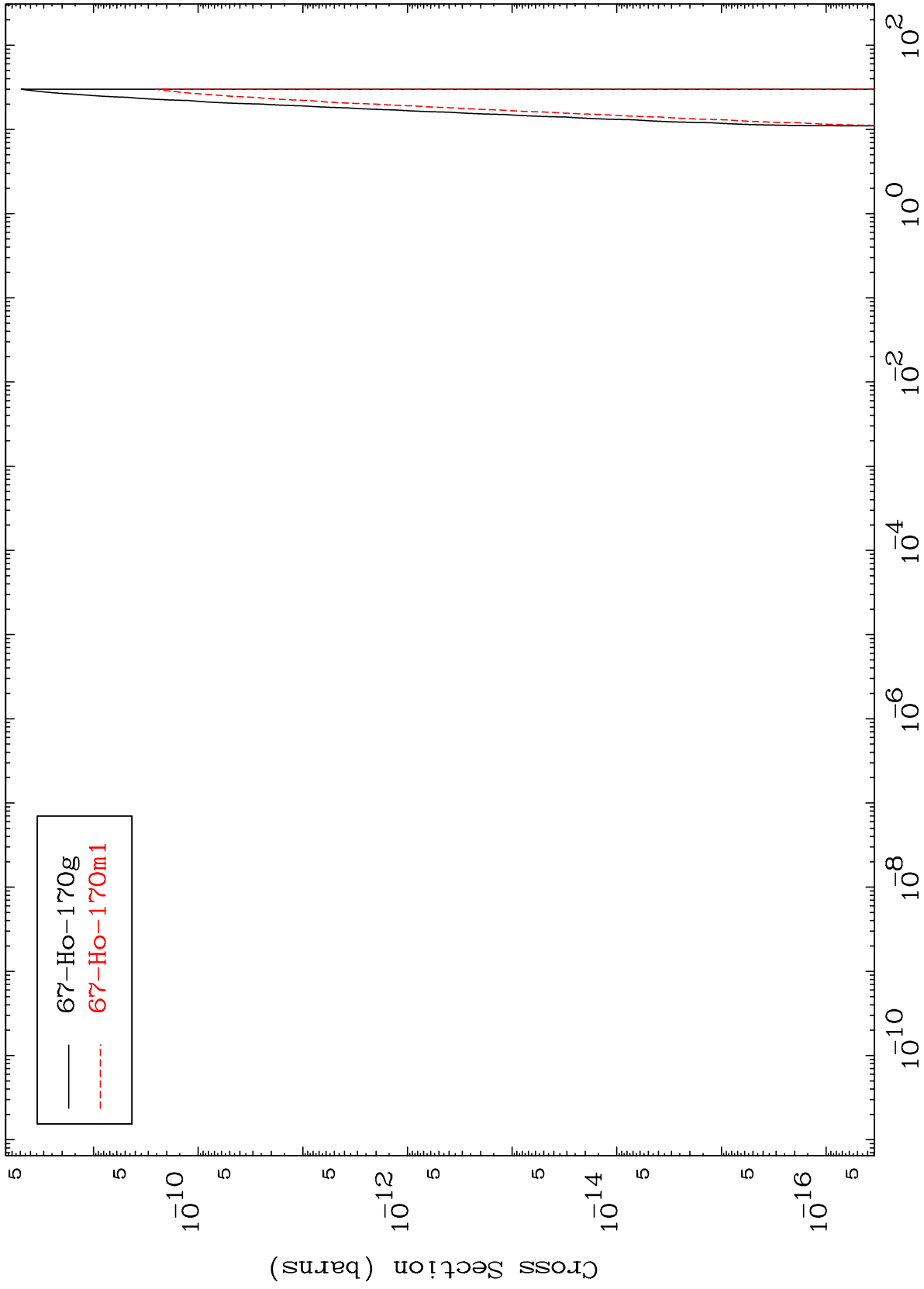
70-Yb-176

MAT 7049

(d,2α)

70-Yb-176

Radionuclide Production Cross Section



19

Incident Energy (MeV)

70-Yb-176