

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

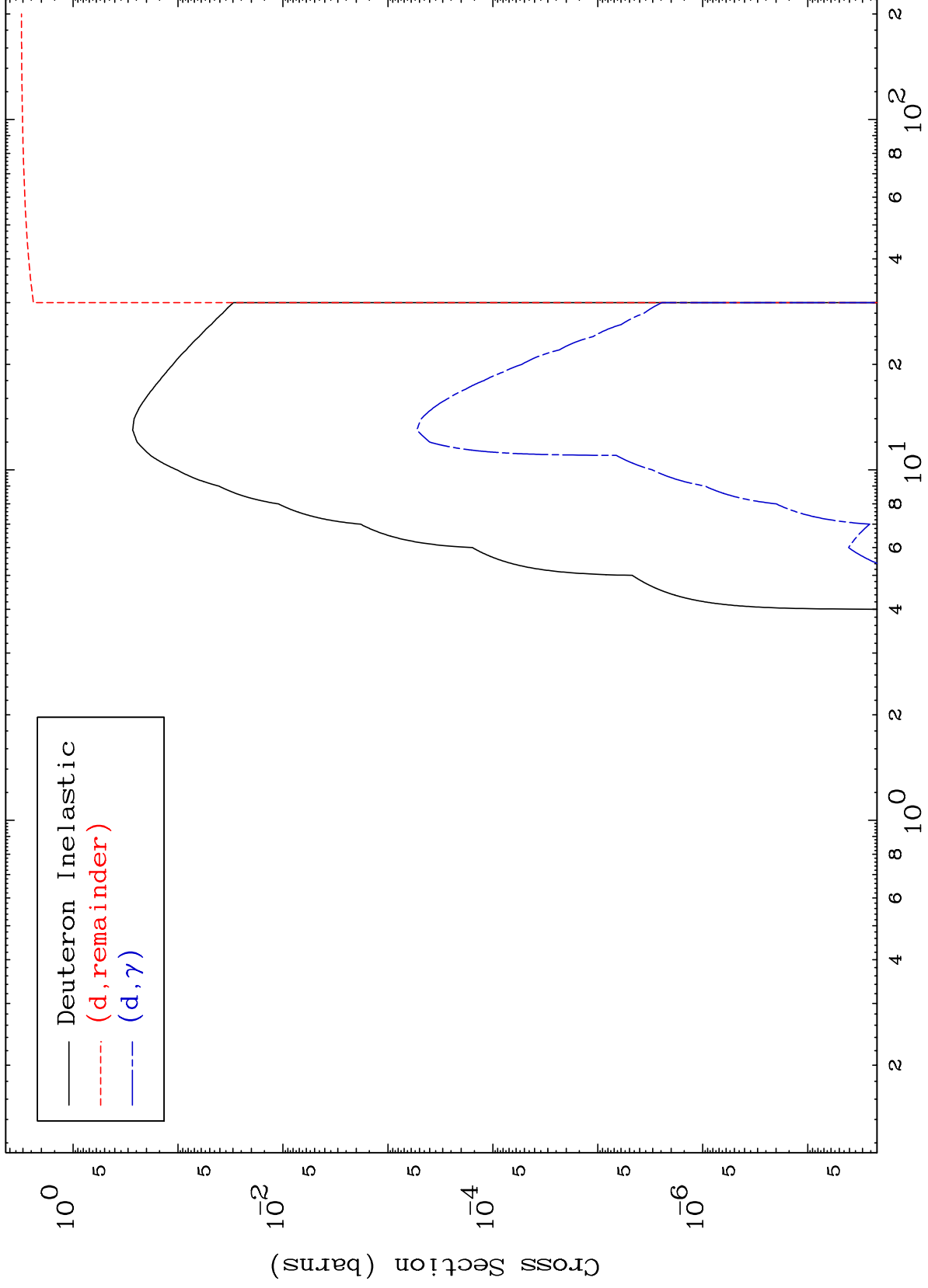
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1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

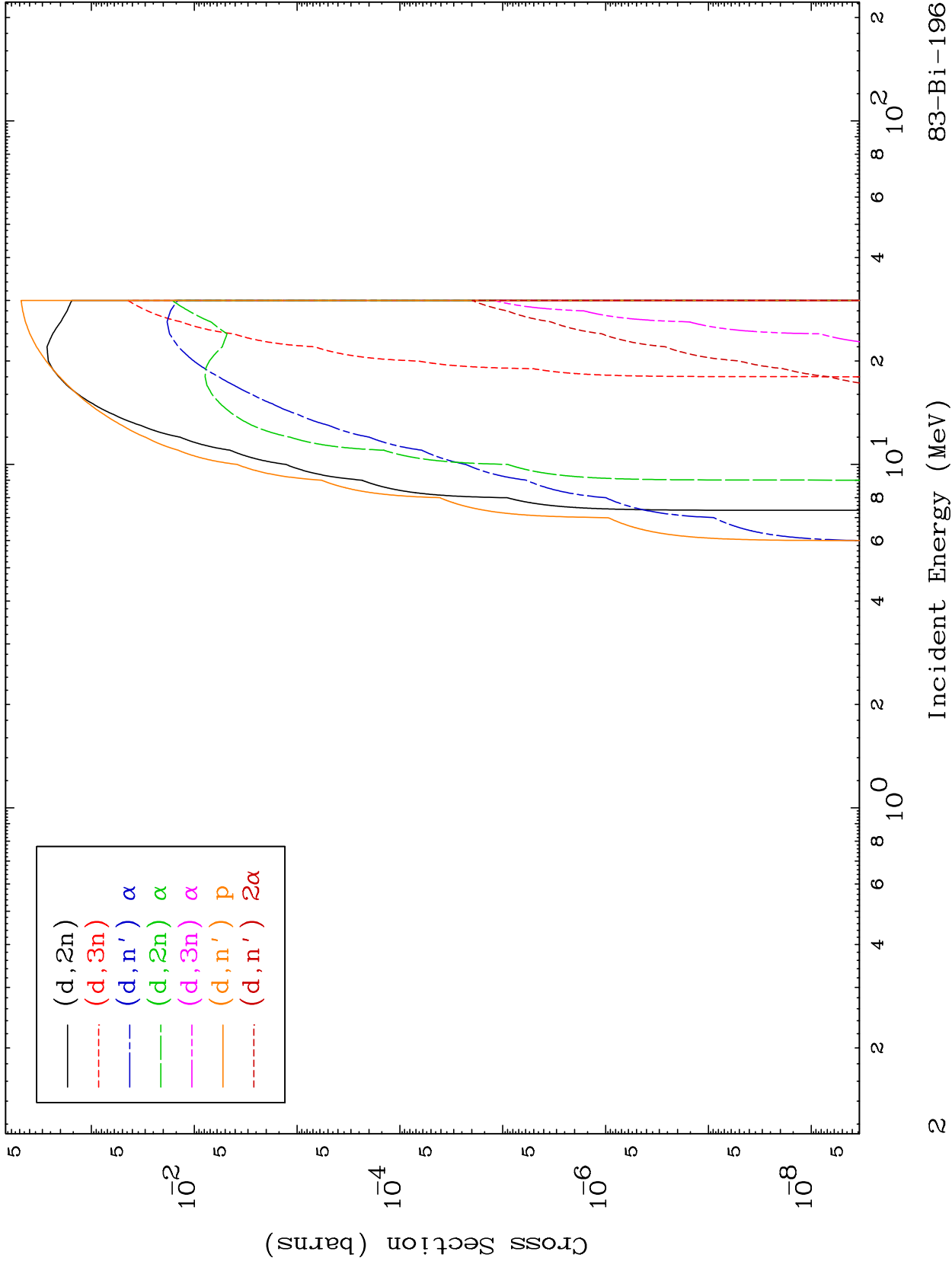
Tele: 925-443-1911

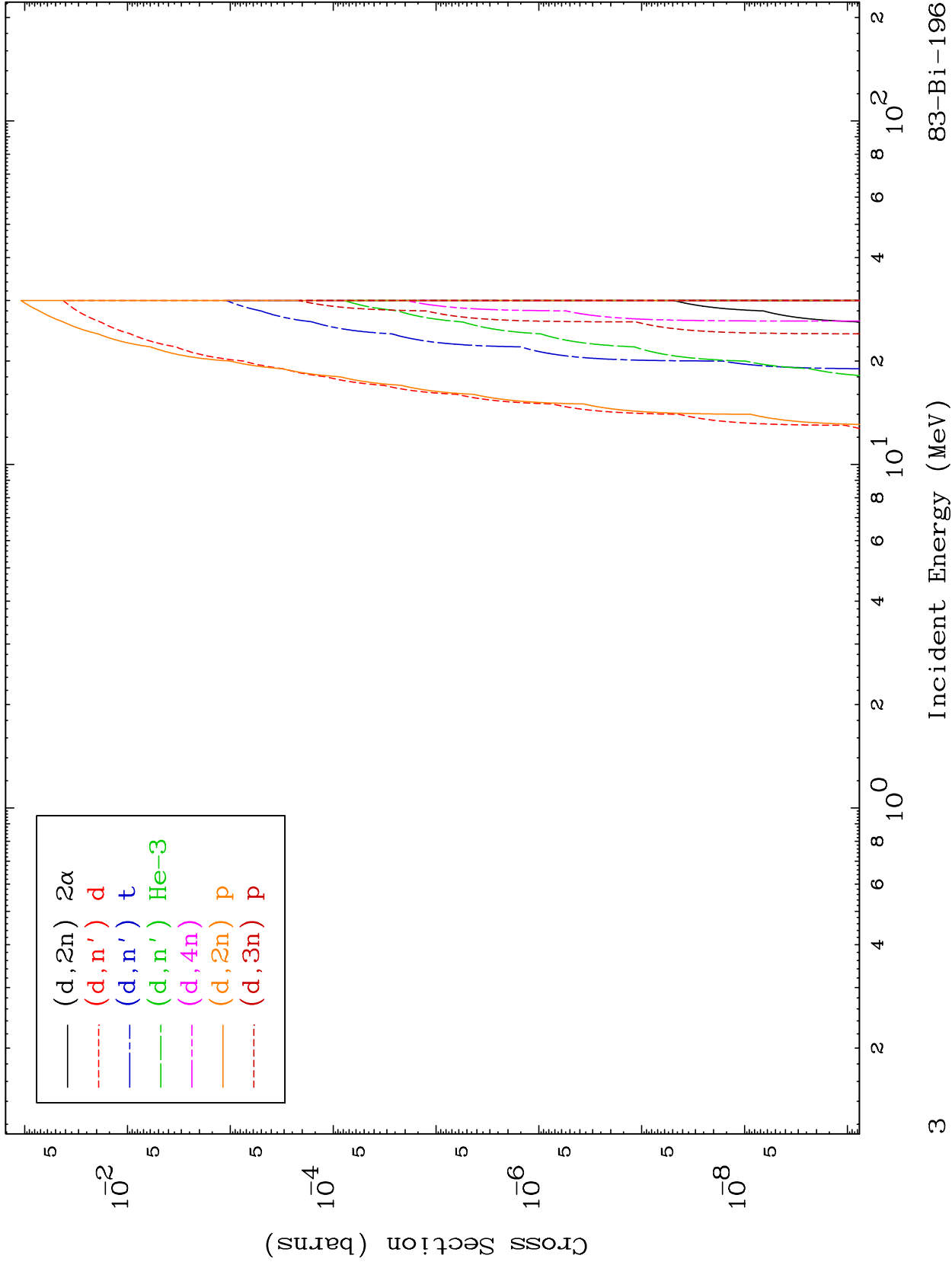
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

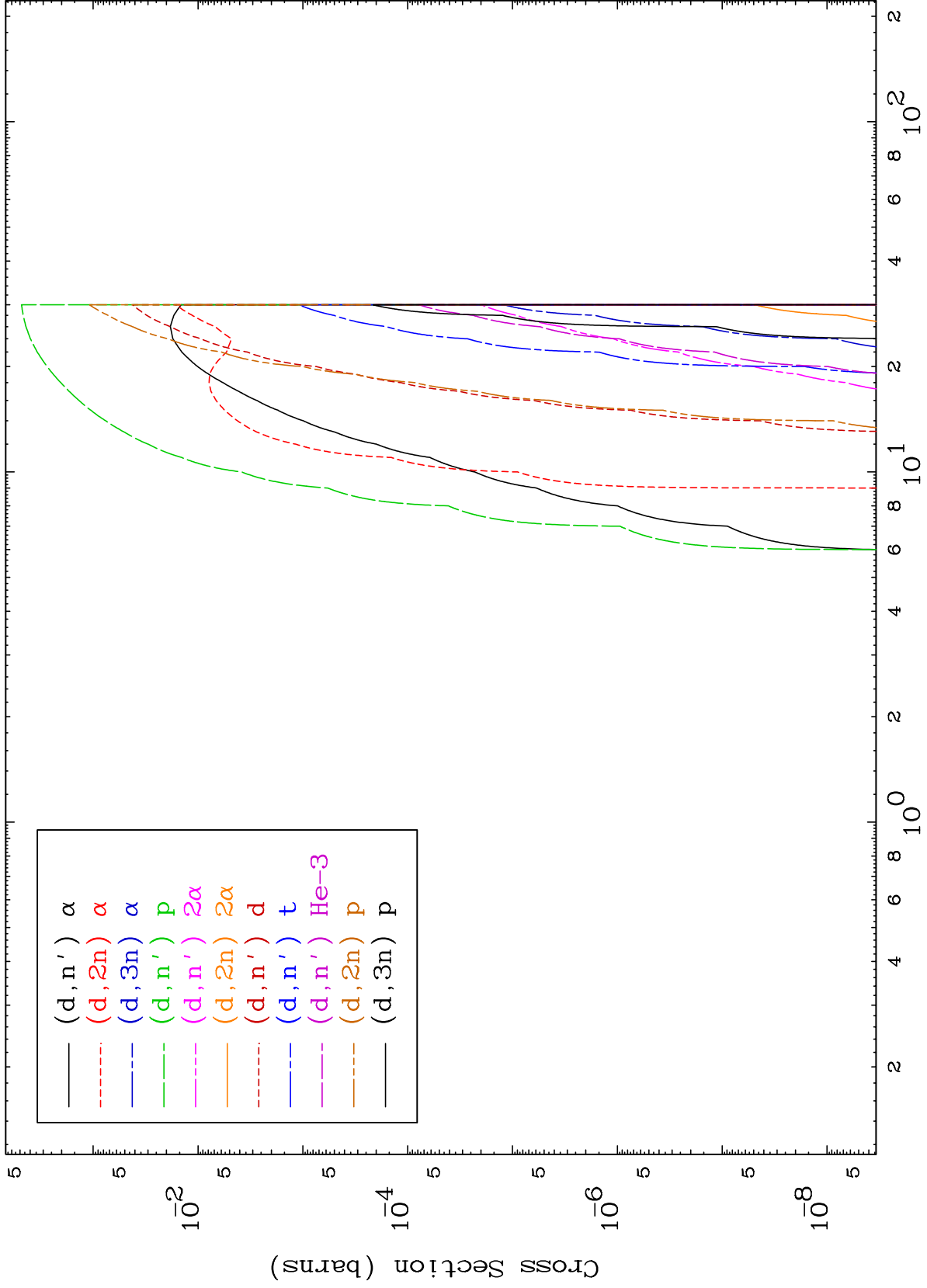
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

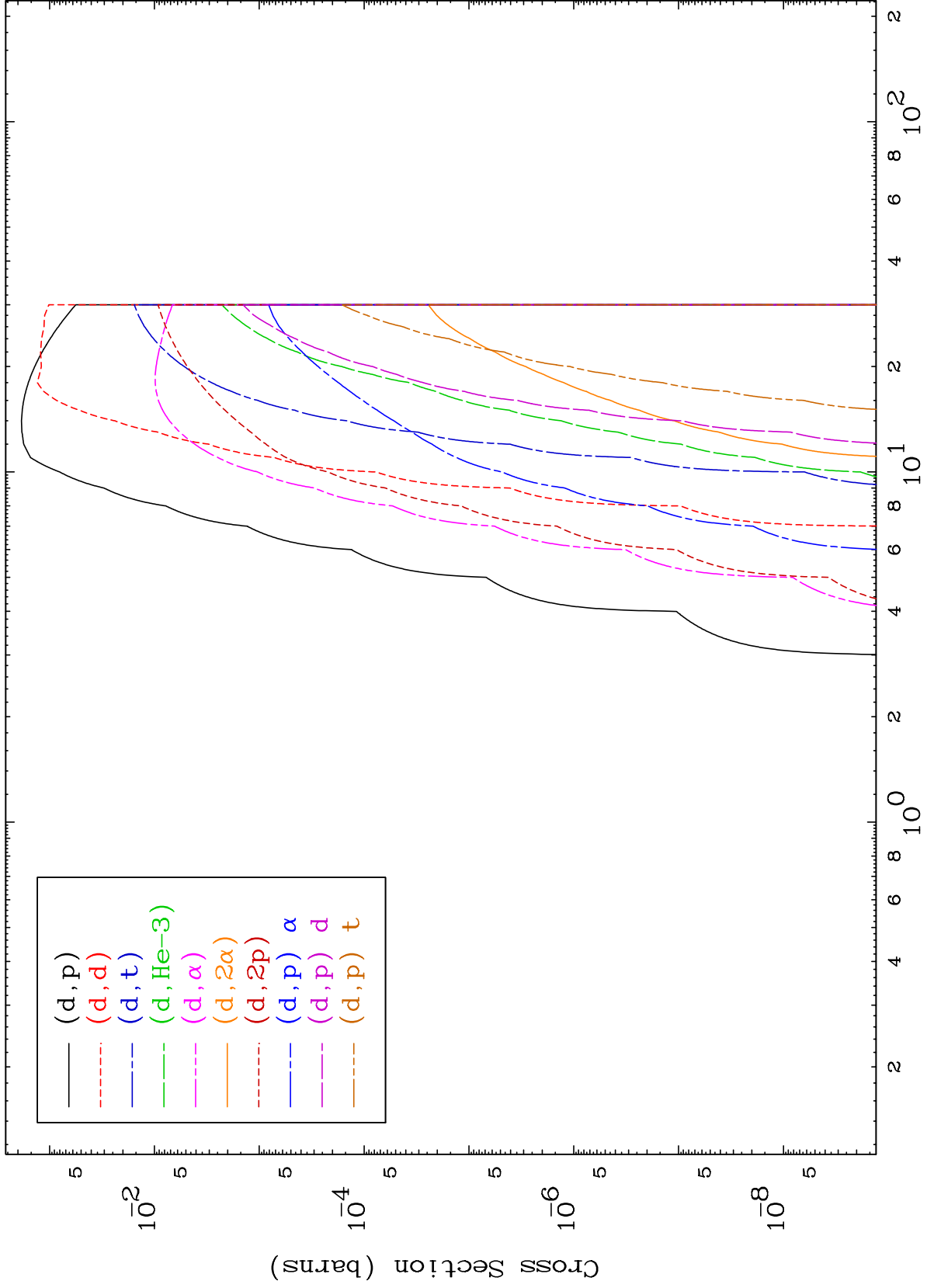
Press Mouse Button to Start









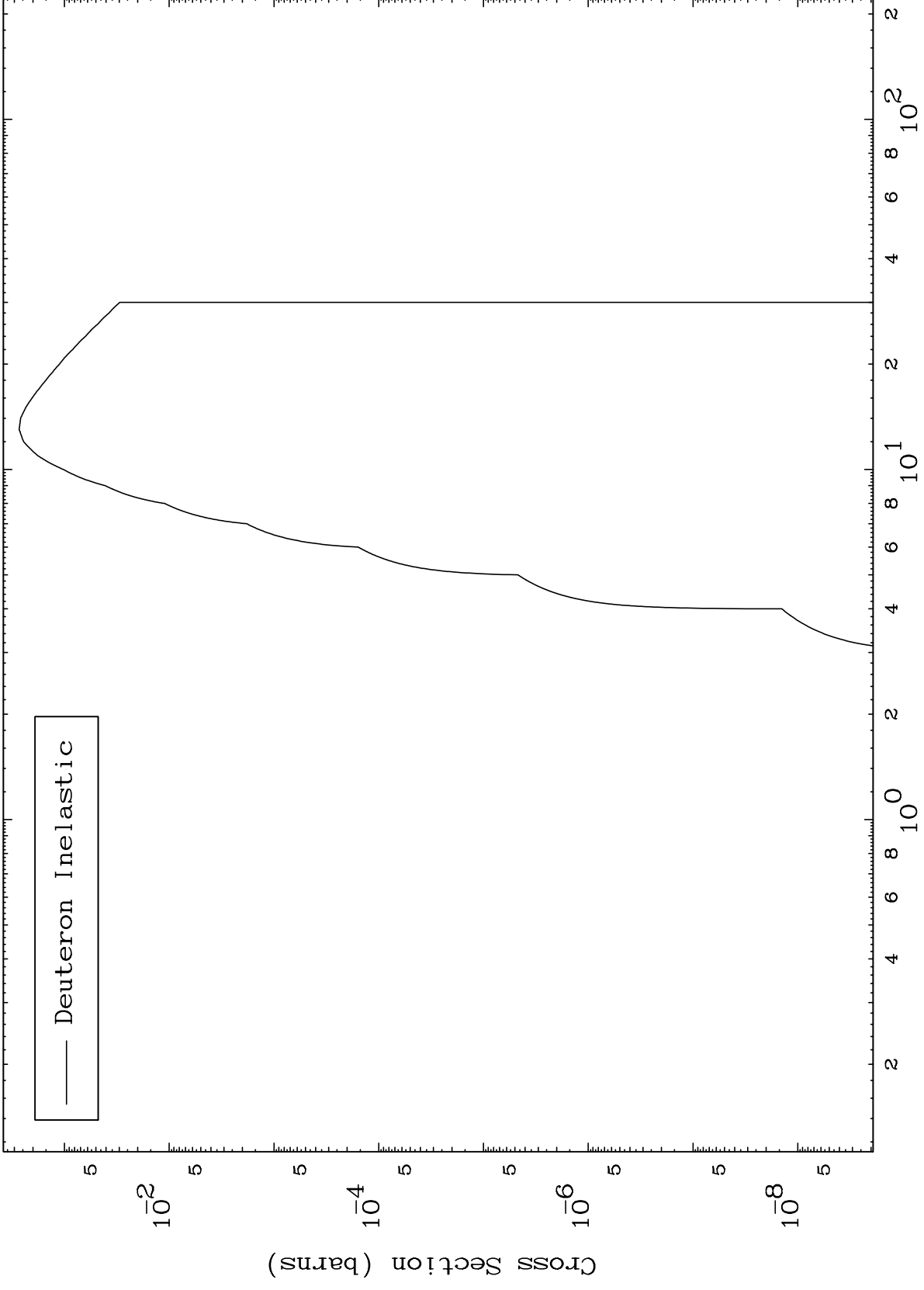


MAT 8287

(d,n') Level

83-Bi-196

0 Kelvin Cross Sections

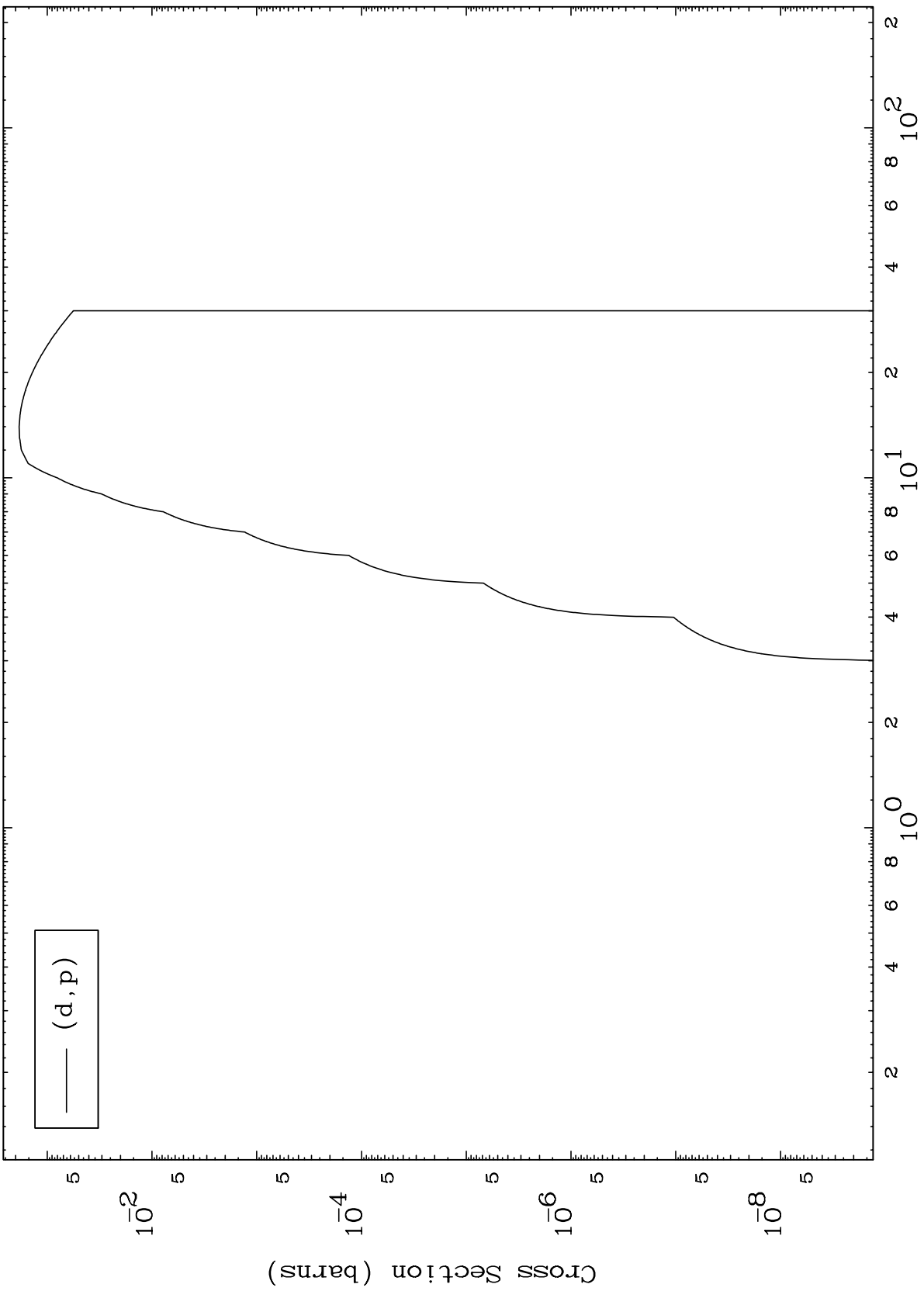


MAT 8287

(d,p) Levels

83-Bi-196

0 Kelvin Cross Sections



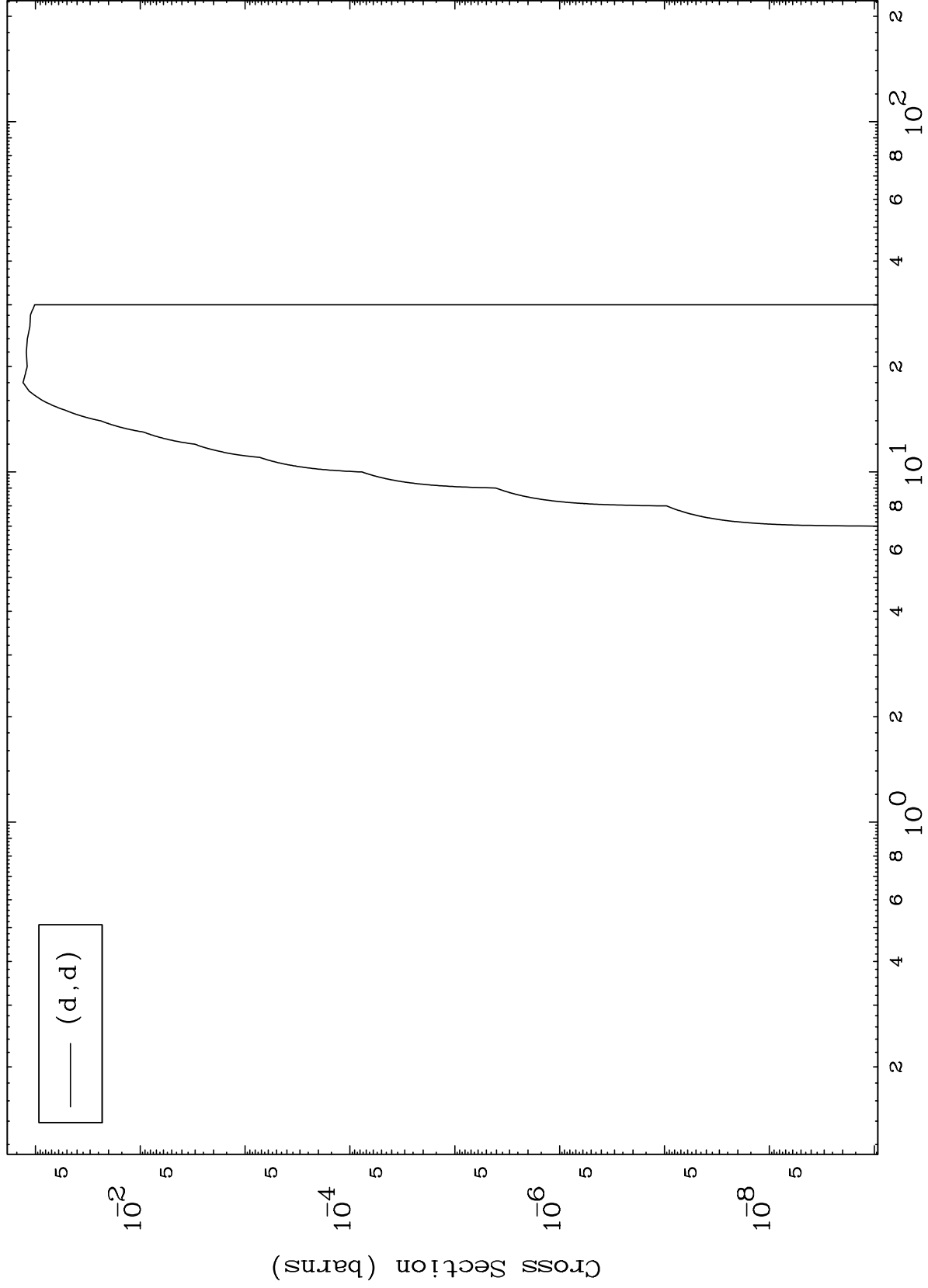


MAT 8287

(d,d) Levels

83-Bi-196

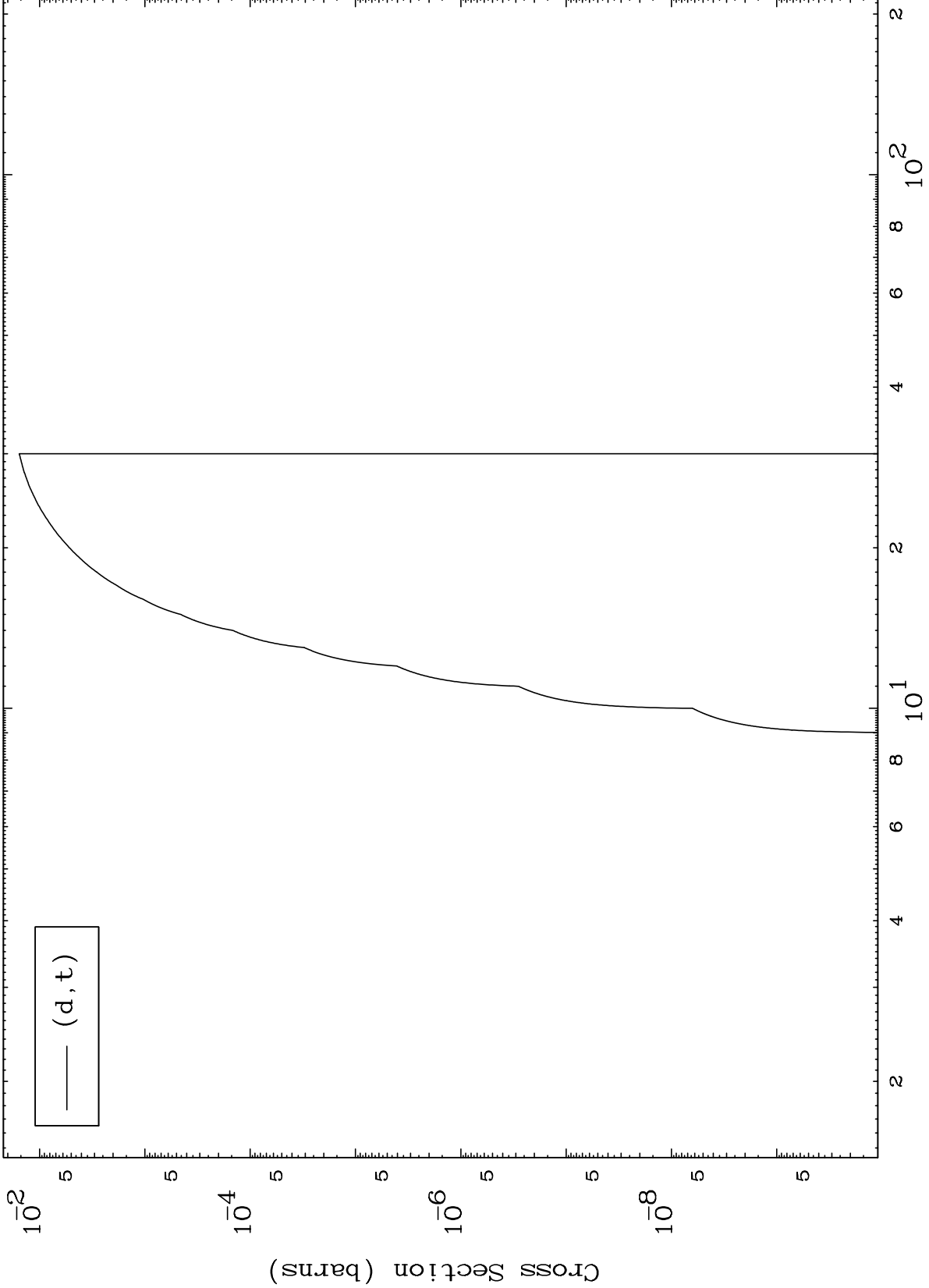
0 Kelvin Cross Sections



MAT 8287

(d,t) Levels  
0 Kelvin Cross Sections

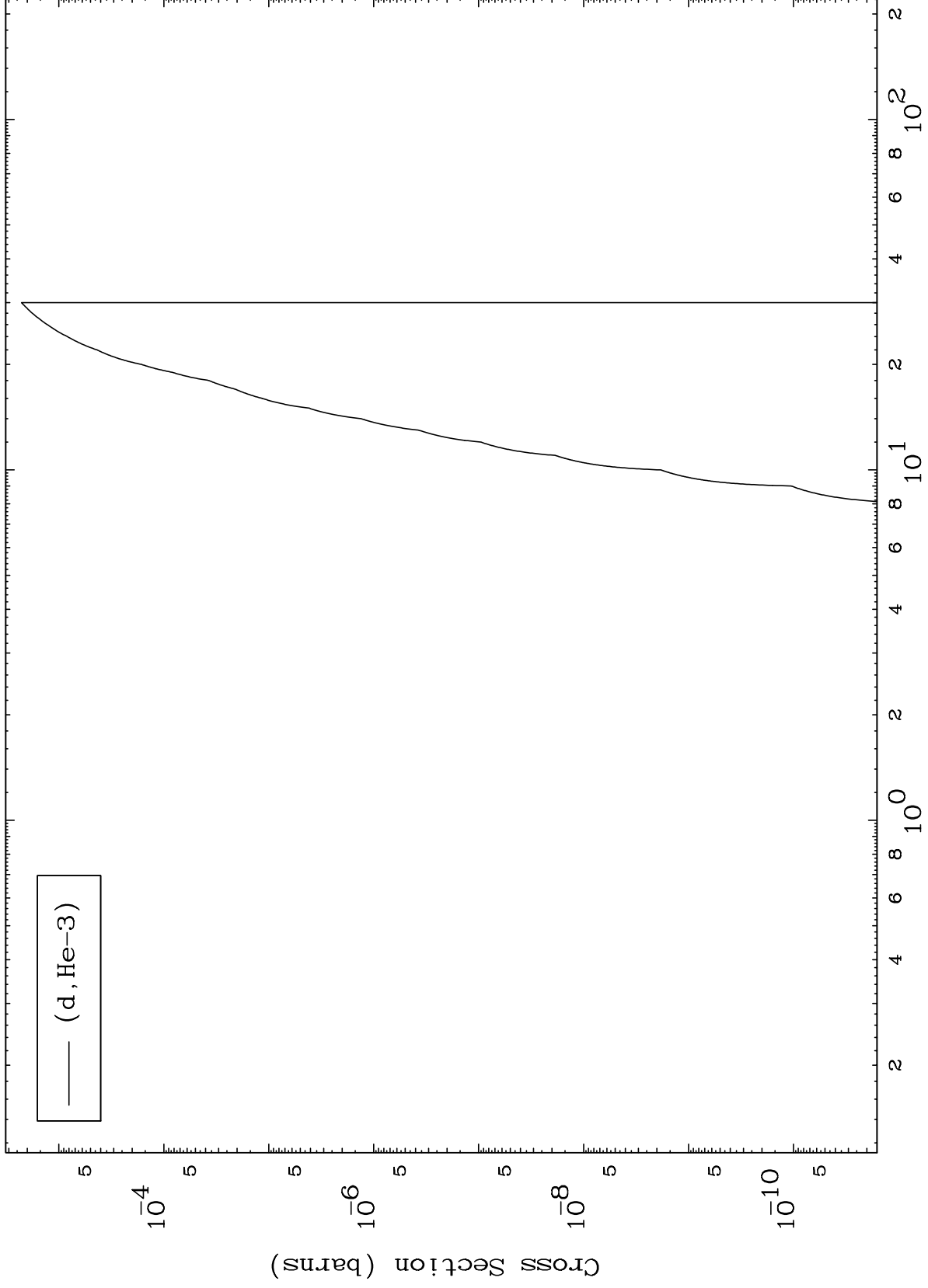
83-Bi-196



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(d,He3) Levels  
0 Kelvin Cross Sections

83-Bi-196



10

Incident Energy (MeV)

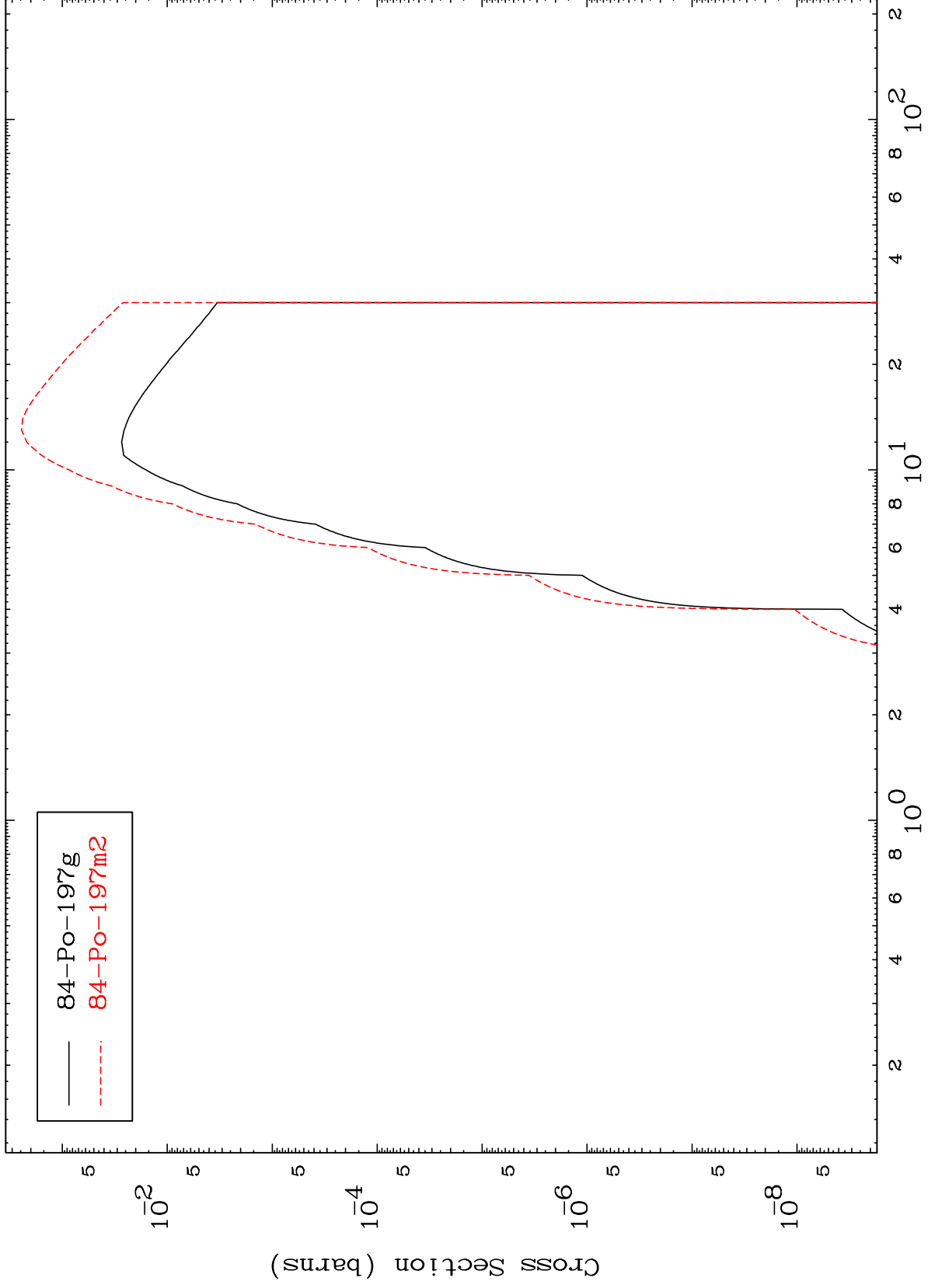
83-Bi-196



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Radionuclide Production Cross Section  
Deuteron Inelastic

83-Bi-196



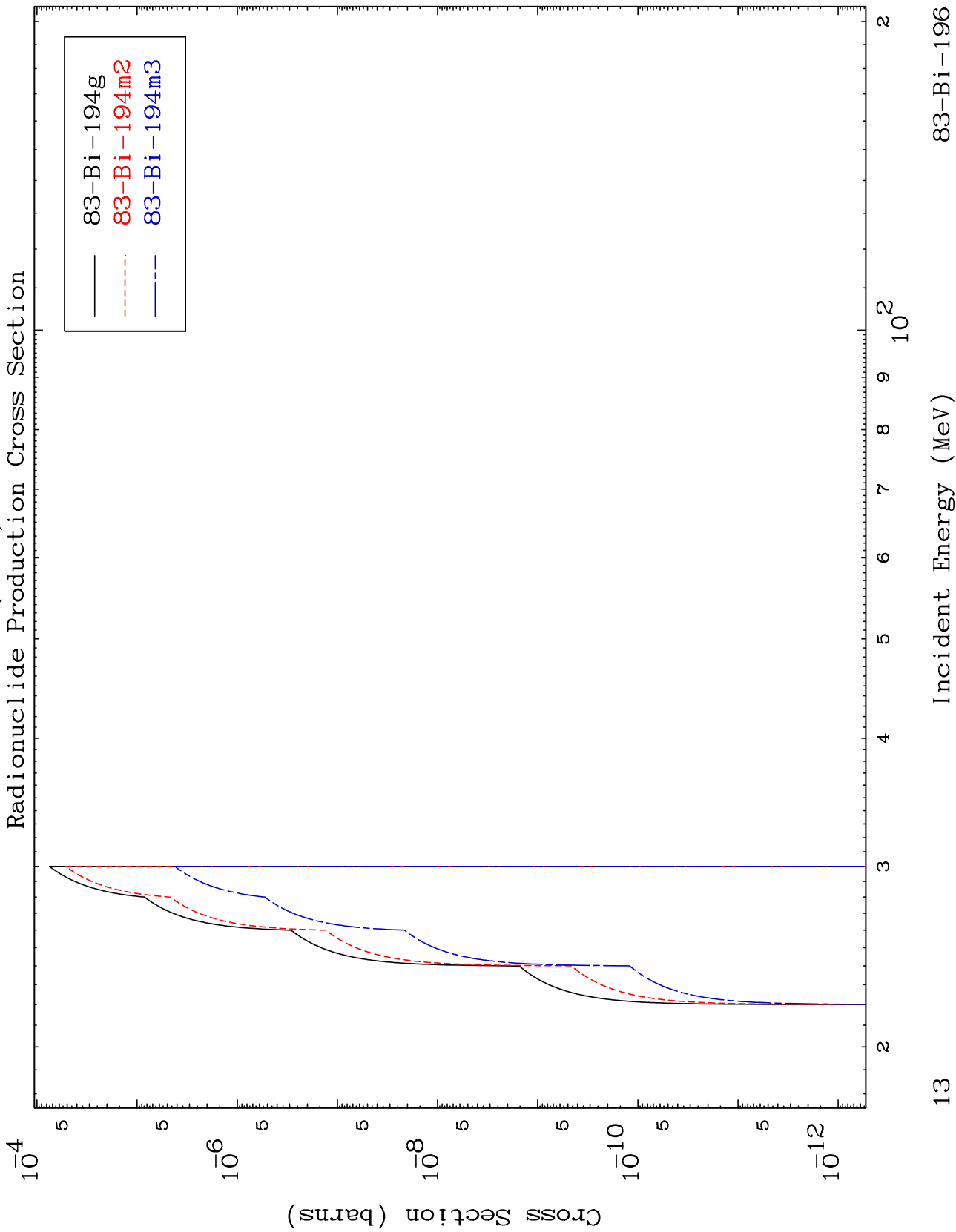
12

83-Bi-196

MAT 8287

(d,2n) d

83-Bi-196



13

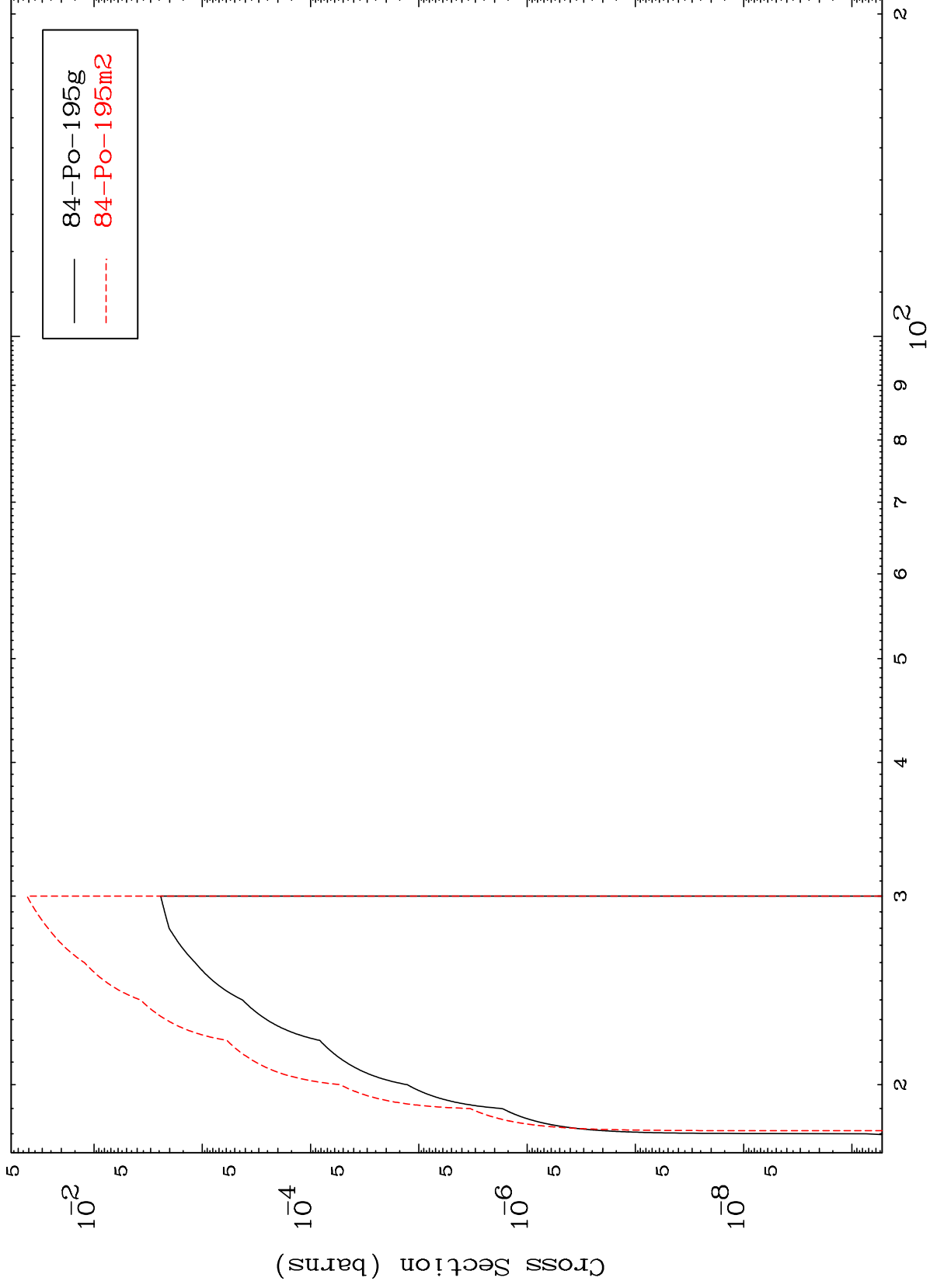
83-Bi-196

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(d,3n)

83-Bi-196

Radionuclide Production Cross Section



14

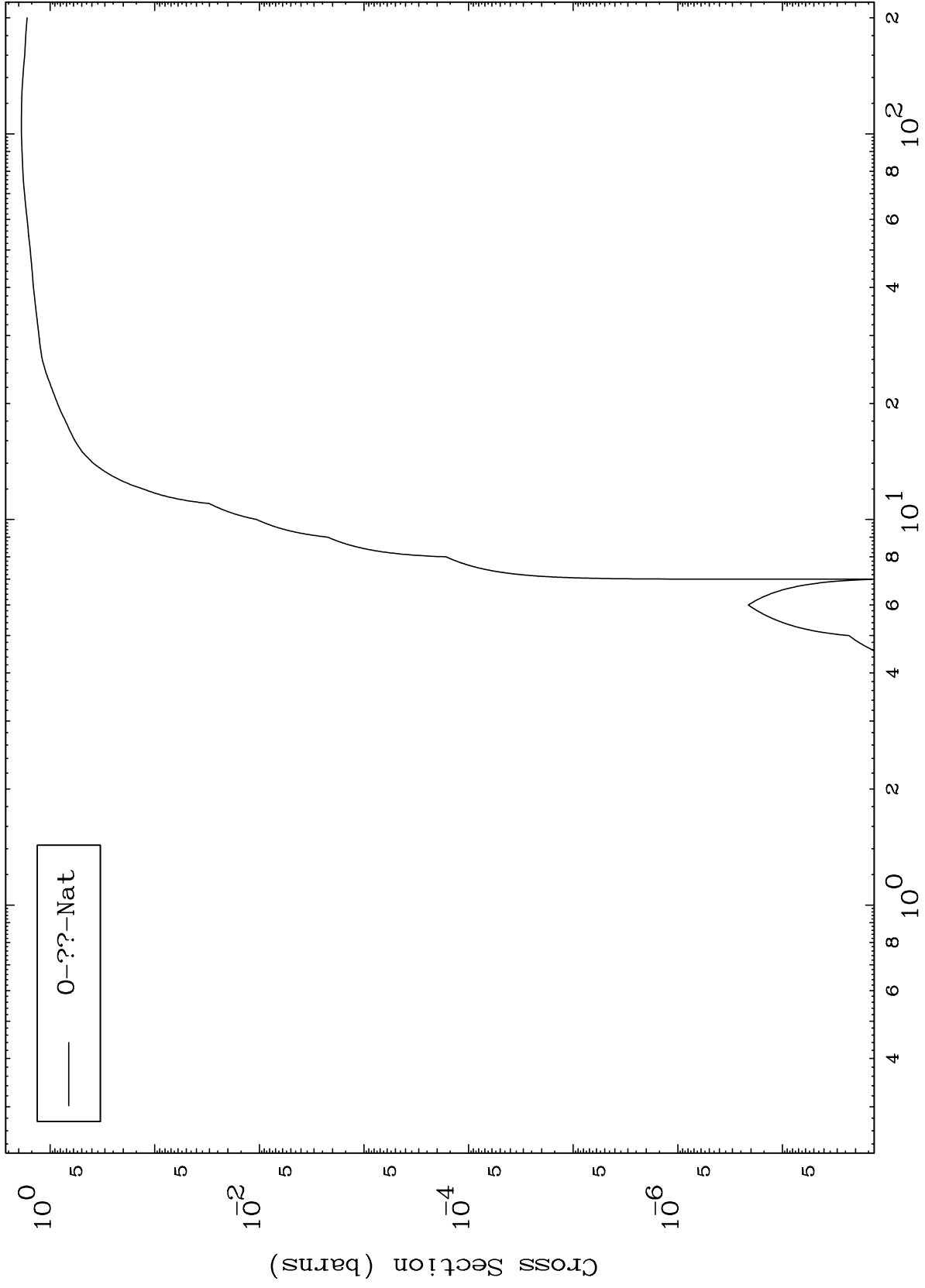
Incident Energy (MeV)

83-Bi-196

MAT 8287

83-Bi-196

Deuteron Fission  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

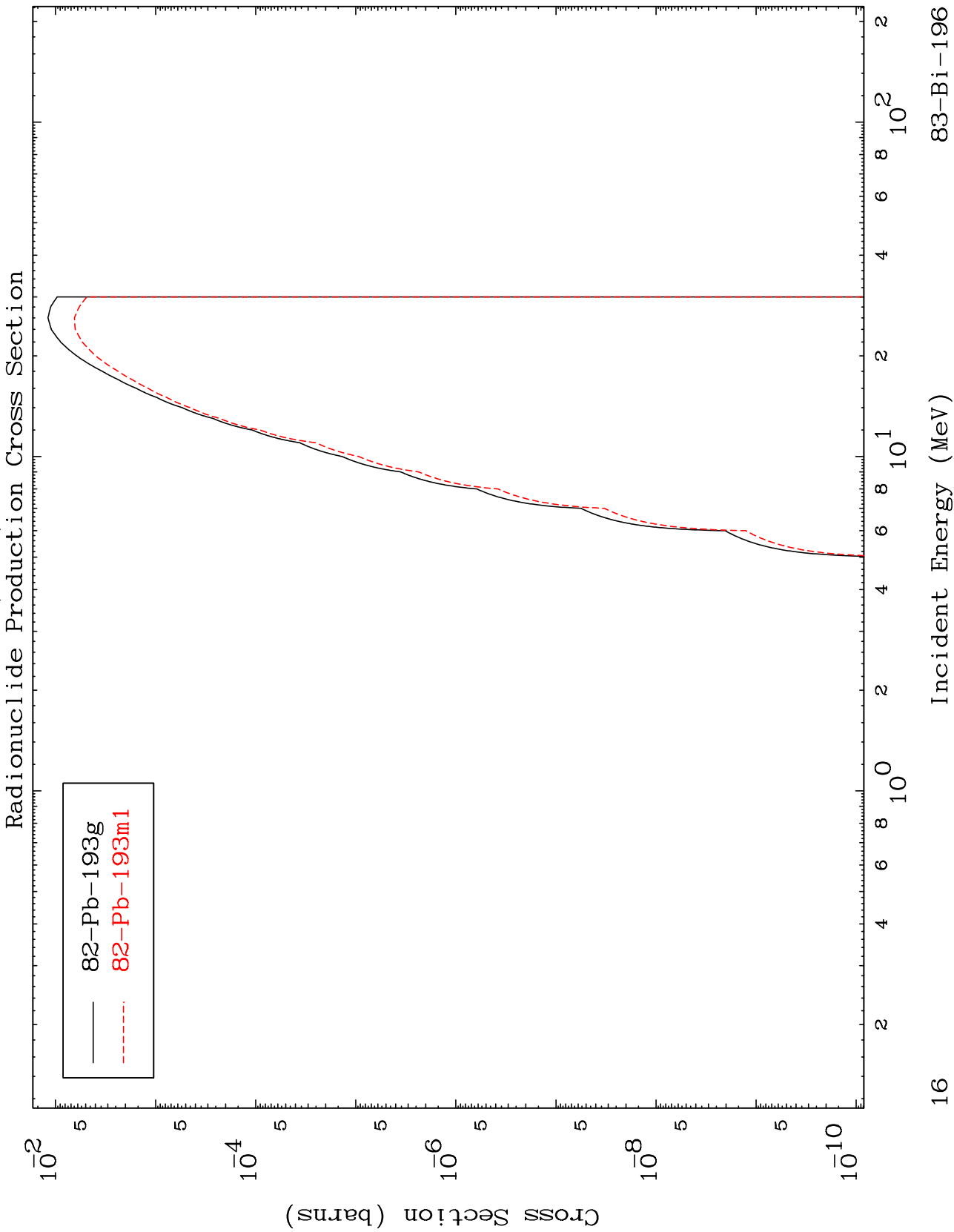
83-Bi-196



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(d,n')  $\alpha$

83-Bi-196



16

Incident Energy (MeV)

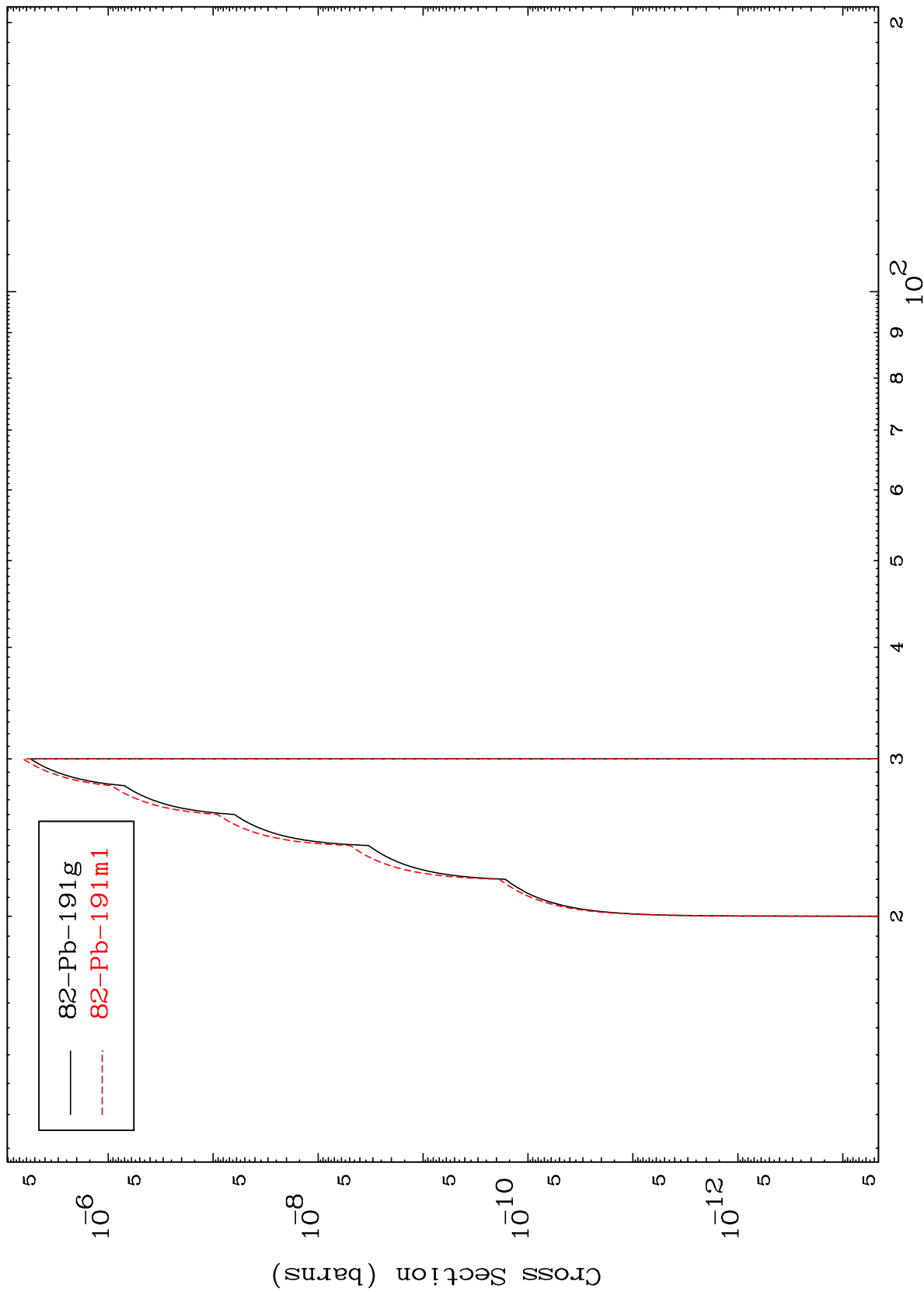
83-Bi-196

MAT 8287

(d,3n)  $\alpha$

83-Bi-196

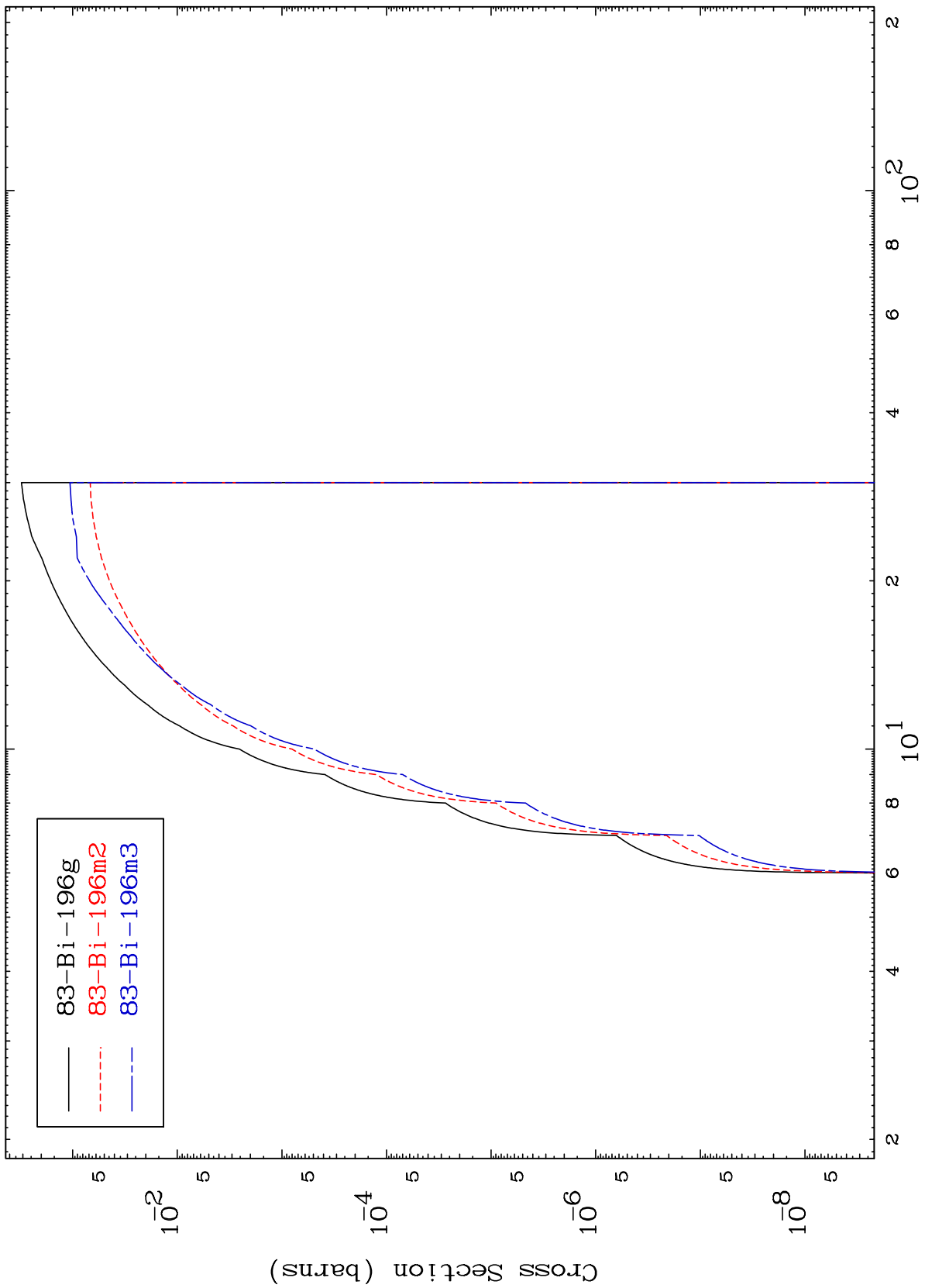
Radionuclide Production Cross Section



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83-Bi-196

(d,n') p  
Radionuclide Production Cross Section



83-Bi-196

Incident Energy (MeV)

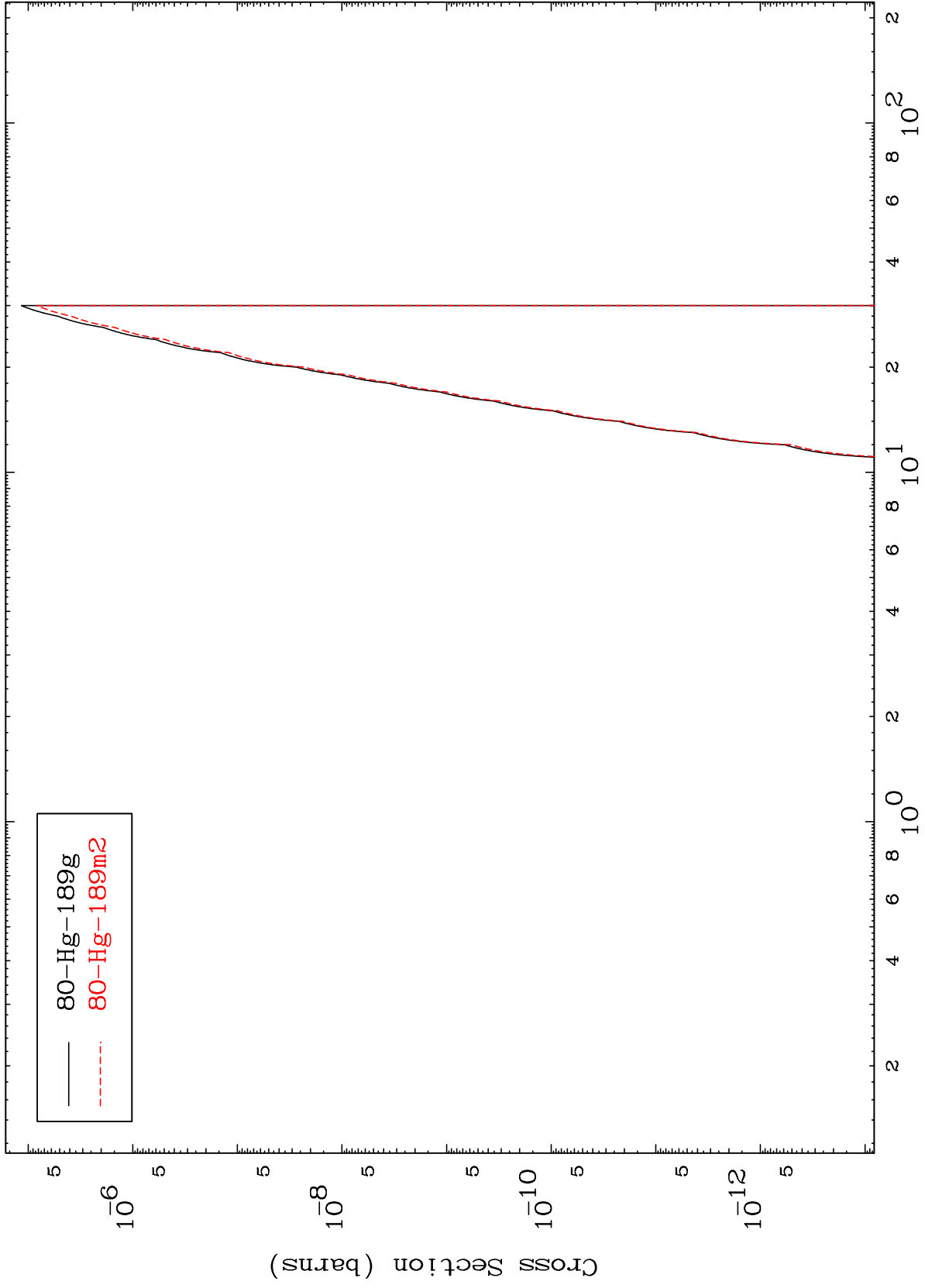
18

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(d,n') 2α

83-Bi-196

Radionuclide Production Cross Section

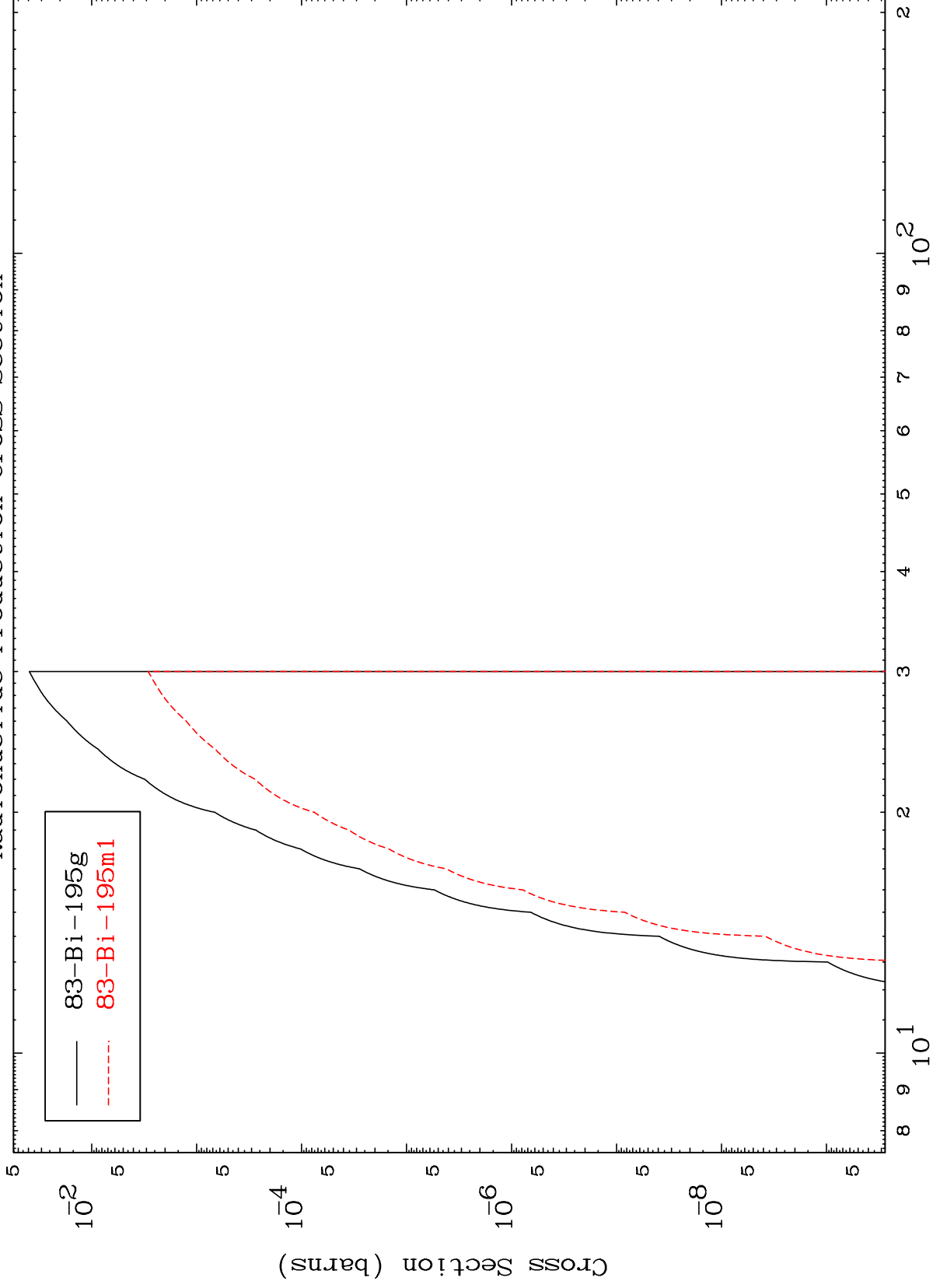


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(d,n') d

83-Bi-196

Radionuclide Production Cross Section



20

Incident Energy (MeV)

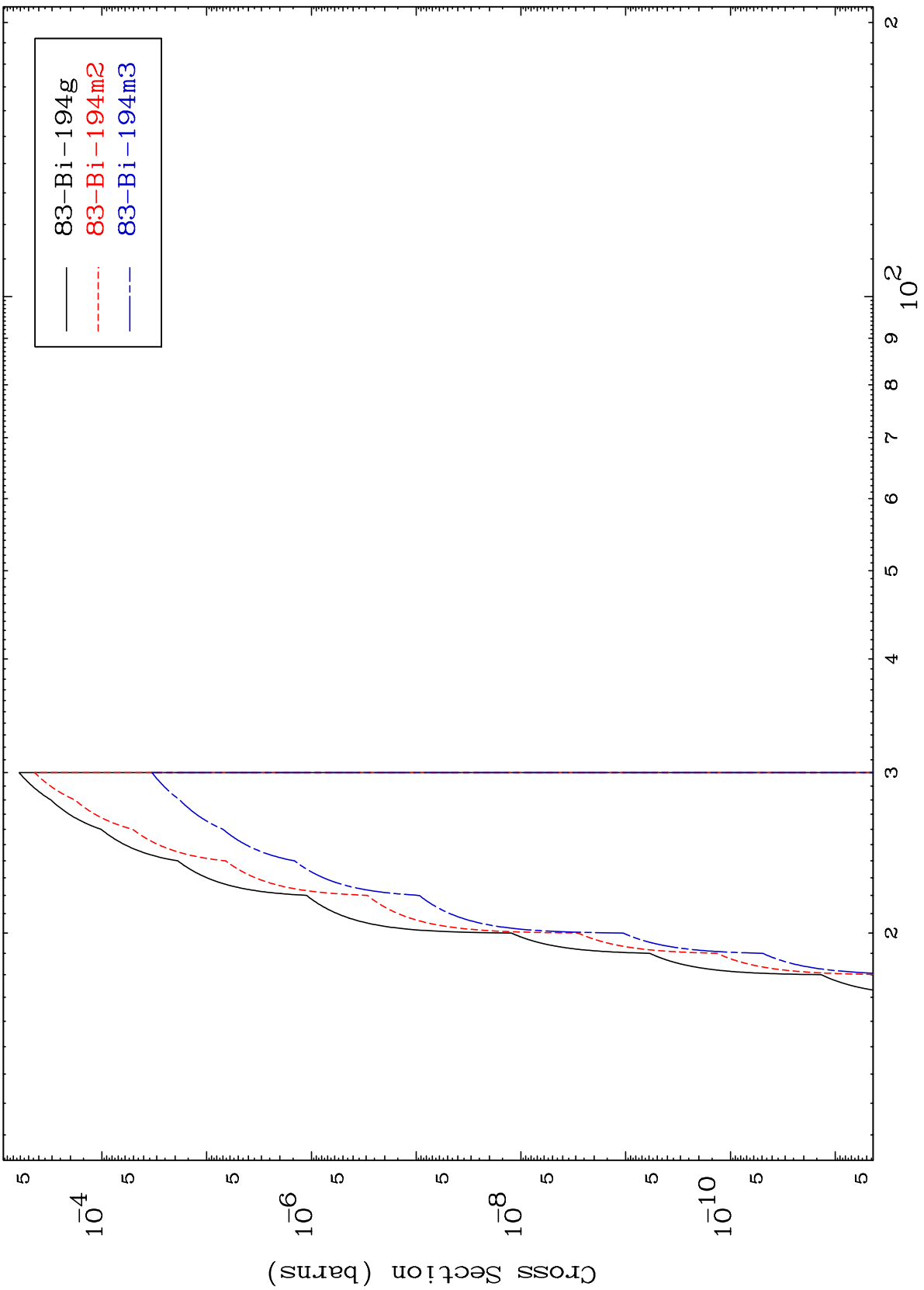
83-Bi-196

MAT 8287

(d,n') t

83-Bi-196

Radionuclide Production Cross Section

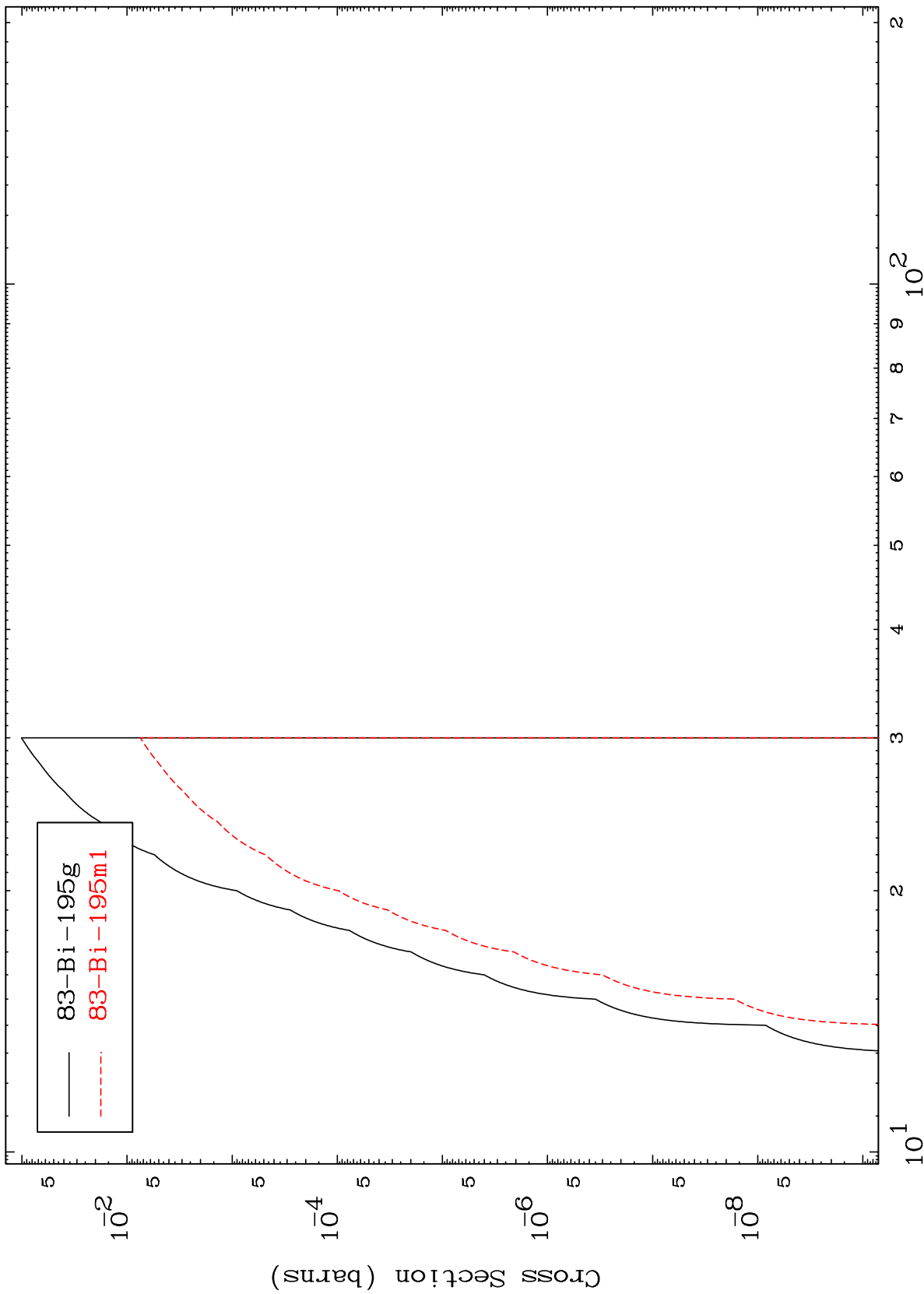


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(d,2n) p

83-Bi-196

Radionuclide Production Cross Section



83-Bi-195g  
83-Bi-195m1

Incident Energy (MeV)

83-Bi-196

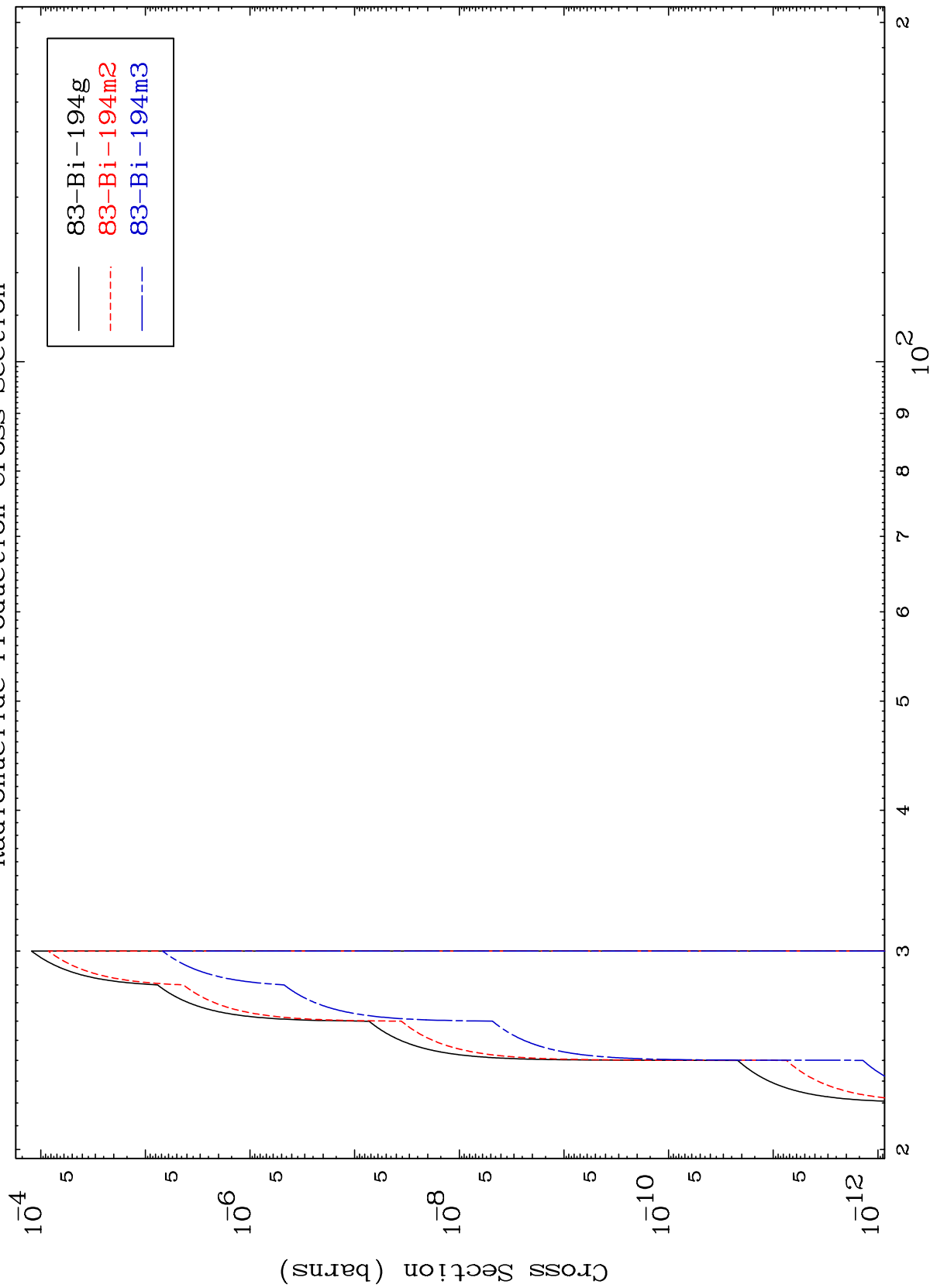
22

MAT 8287

(d,3n) p

83-Bi-196

Radionuclide Production Cross Section



23

Incident Energy (MeV)

83-Bi-196

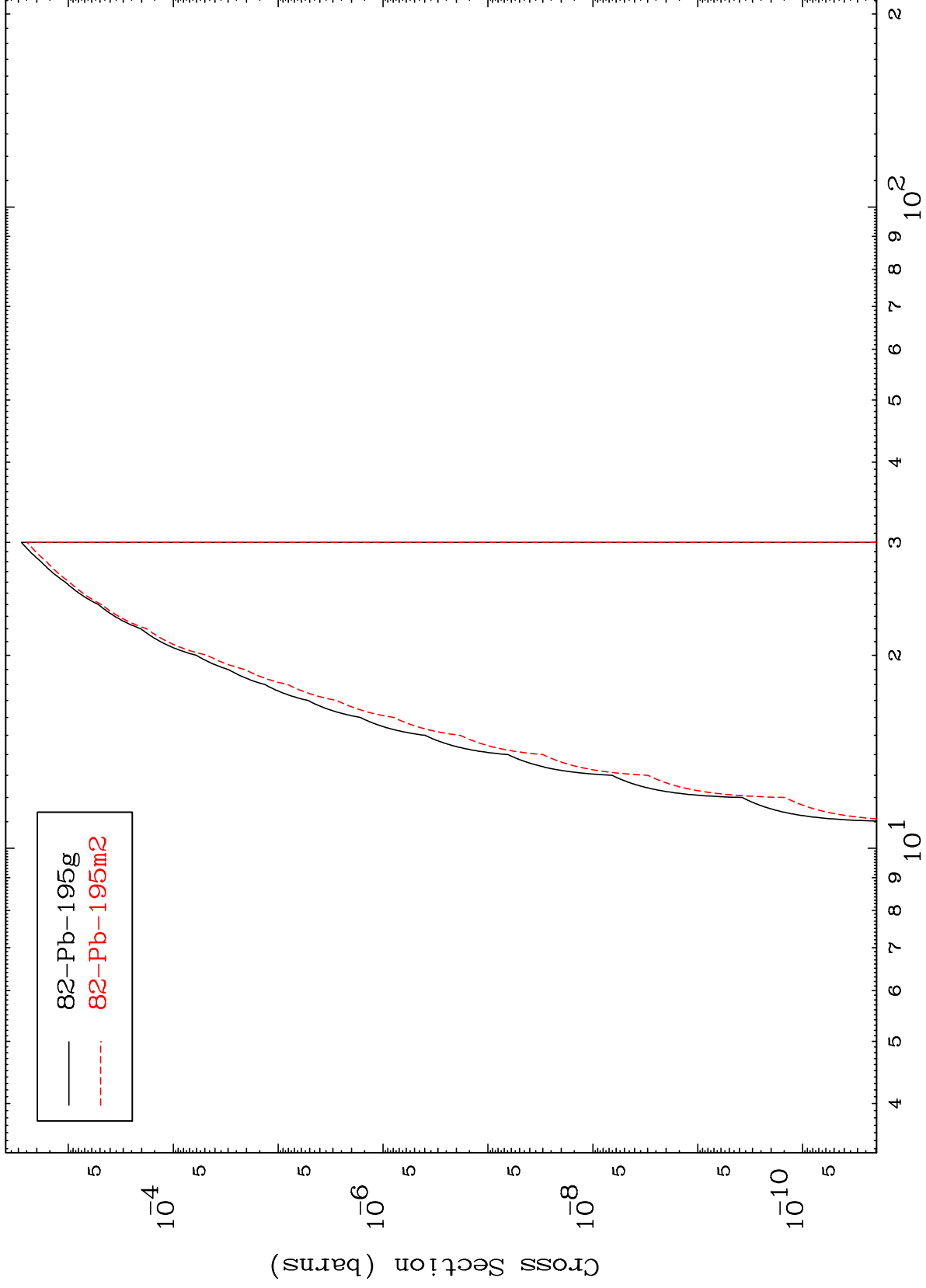


MAT 8287

(d,2n) p

83-Bi-196

Radionuclide Production Cross Section



82-Pb-195g  
82-Pb-195m2

24

Incident Energy (MeV)

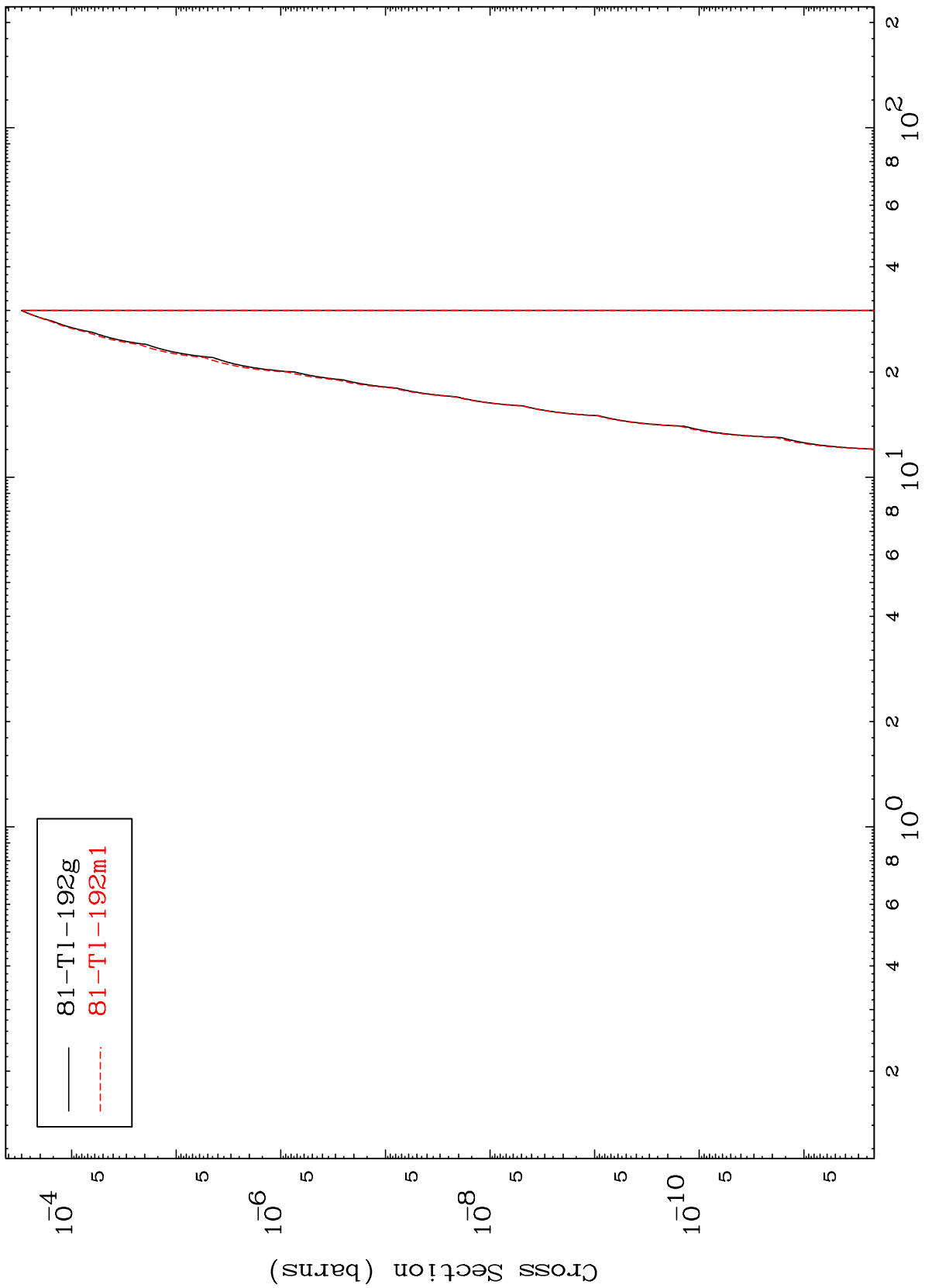
83-Bi-196

MAT 8287

(d,n') p  $\alpha$

83-Bi-196

Radionuclide Production Cross Section

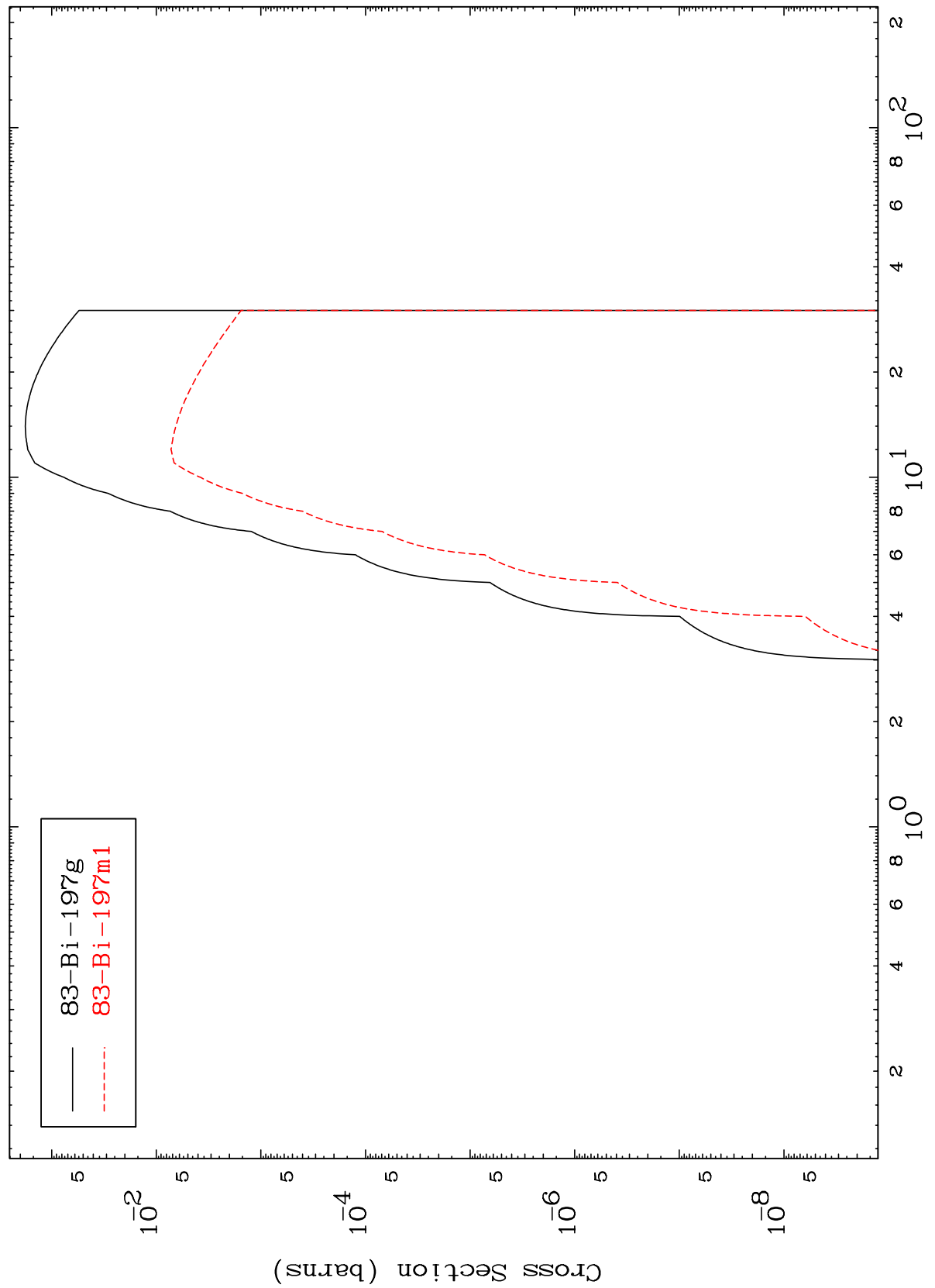


81-Tl-192g  
81-Tl-192m1

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83-Bi-196

(d,p)  
Radionuclide Production Cross Section



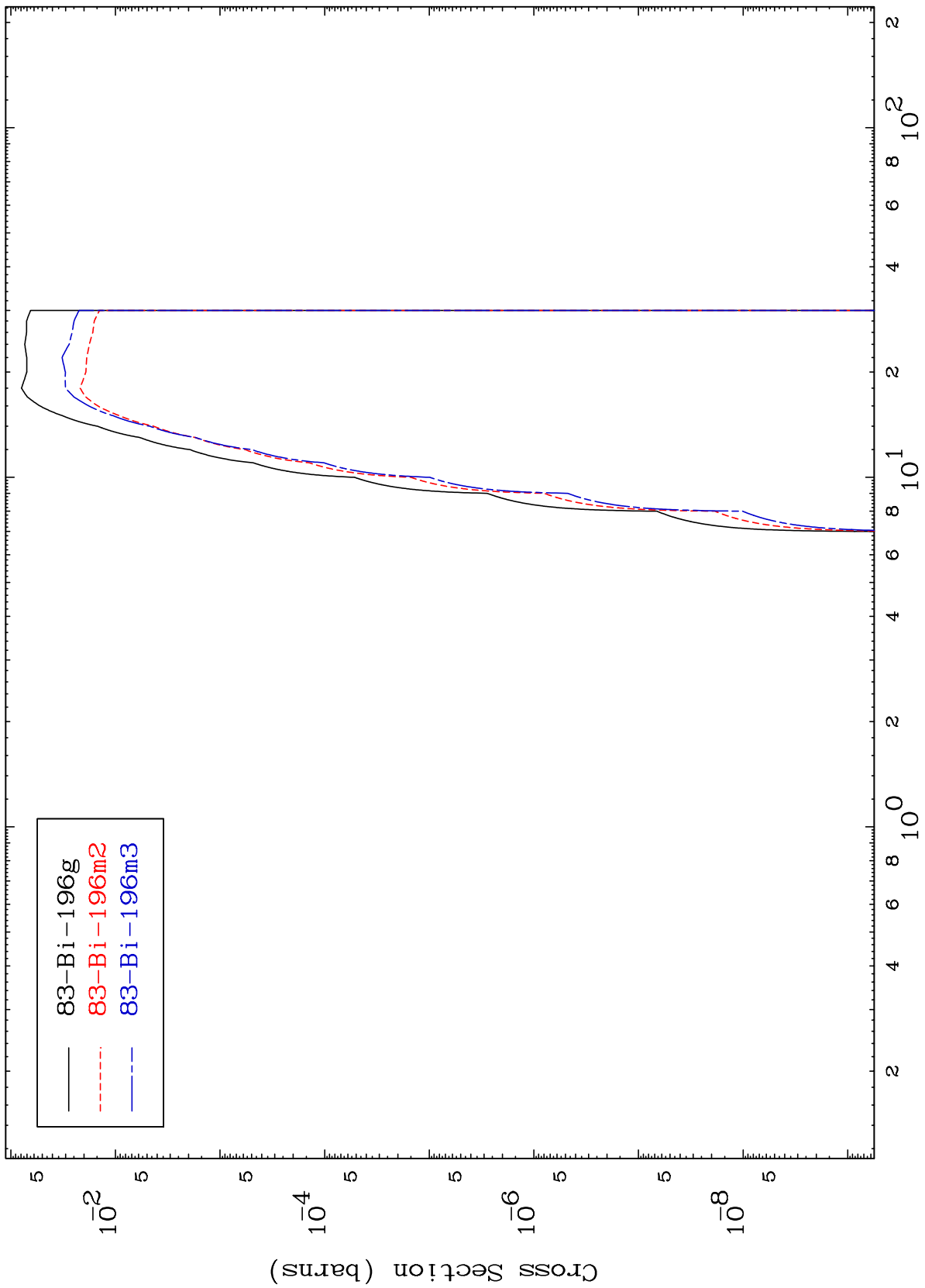
83-Bi-197g  
83-Bi-196m1

26

83-Bi-196

Incident Energy (MeV)

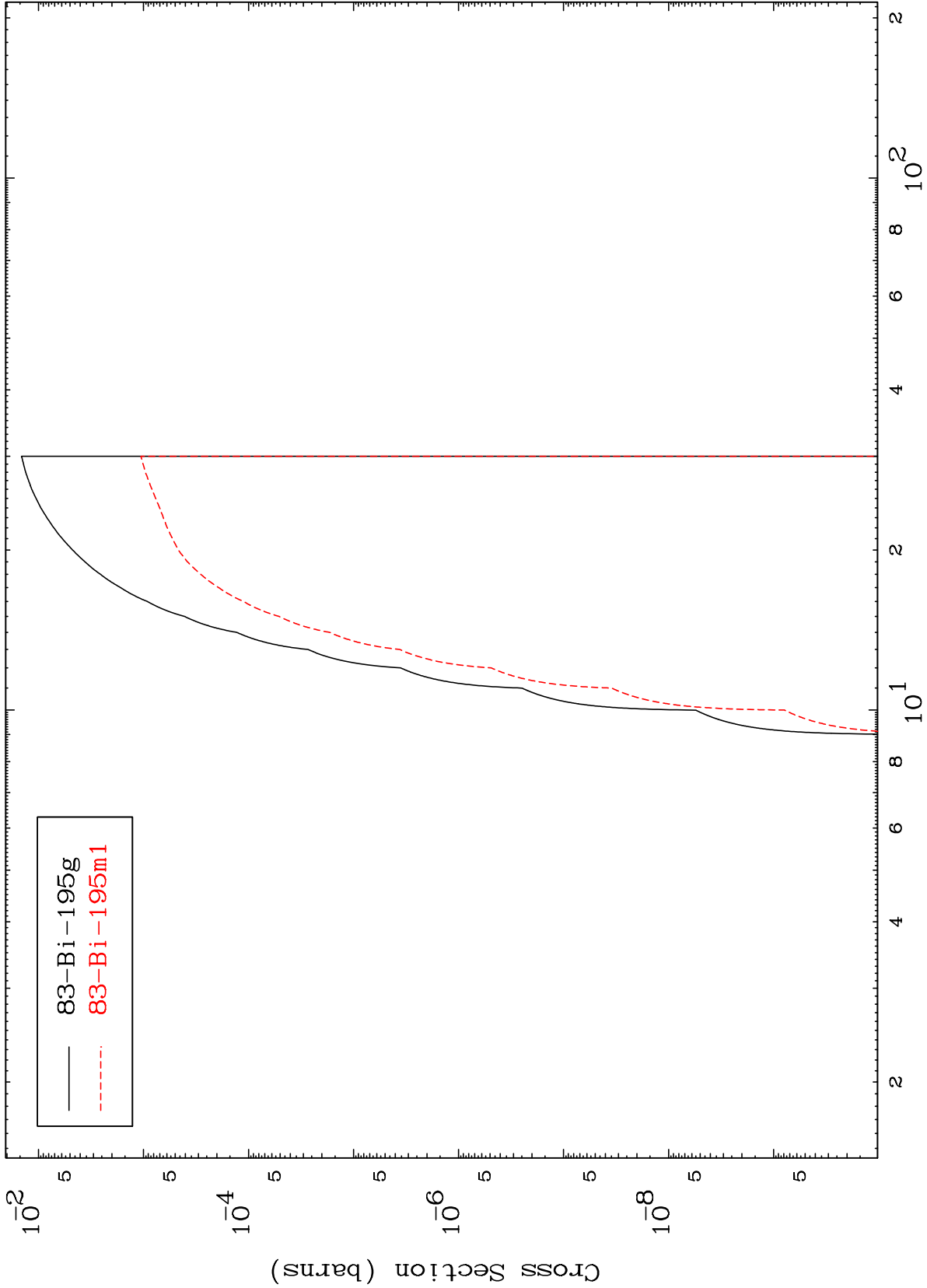
Radionuclide Production Cross Section



MAT 8287

83-Bi-196

(d, t)  
Radionuclide Production Cross Section



28

83-Bi-196

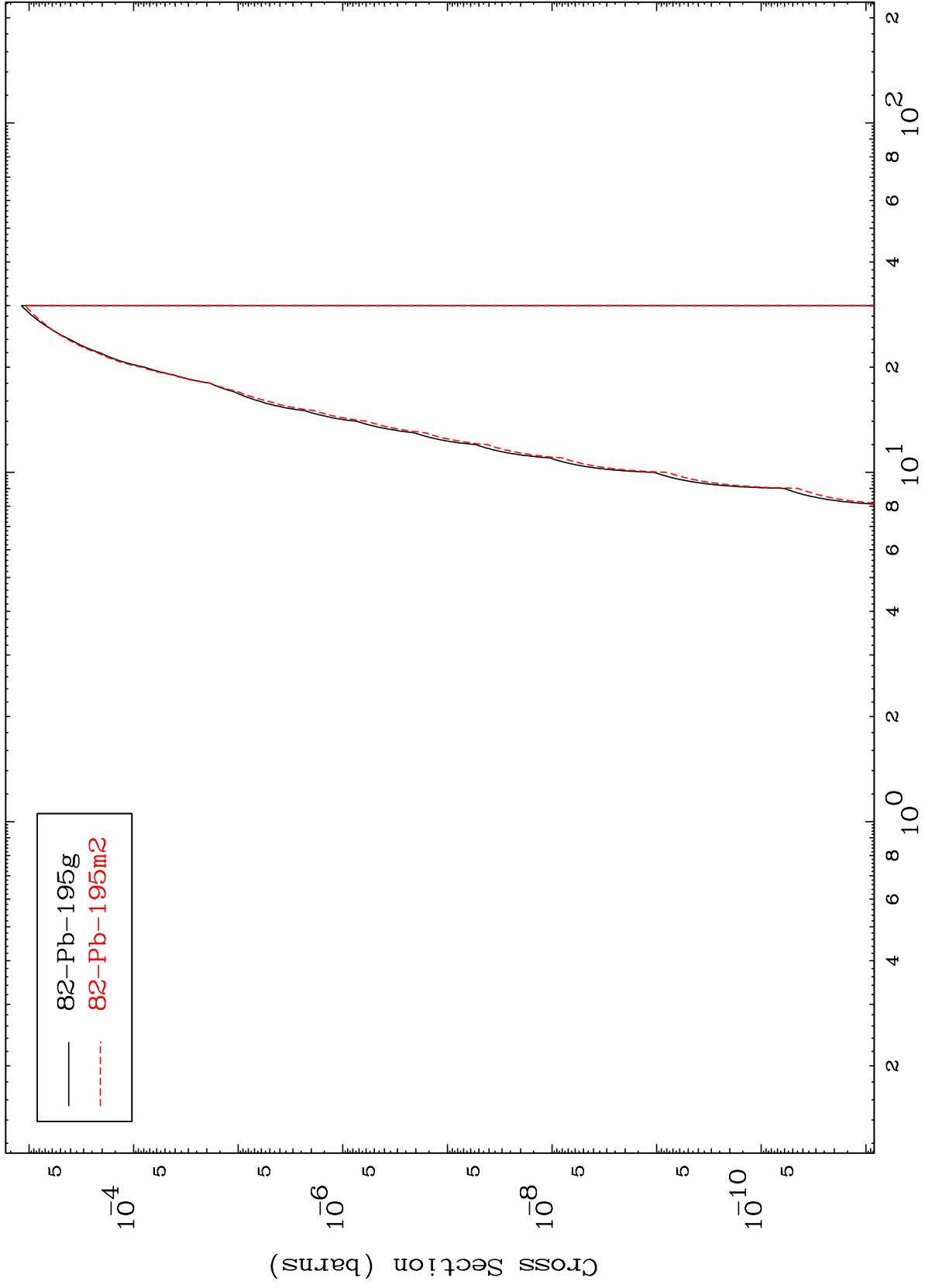
Incident Energy (MeV)

MAT 8287

(d,He-3)

83-Bi-196

Radionuclide Production Cross Section



29

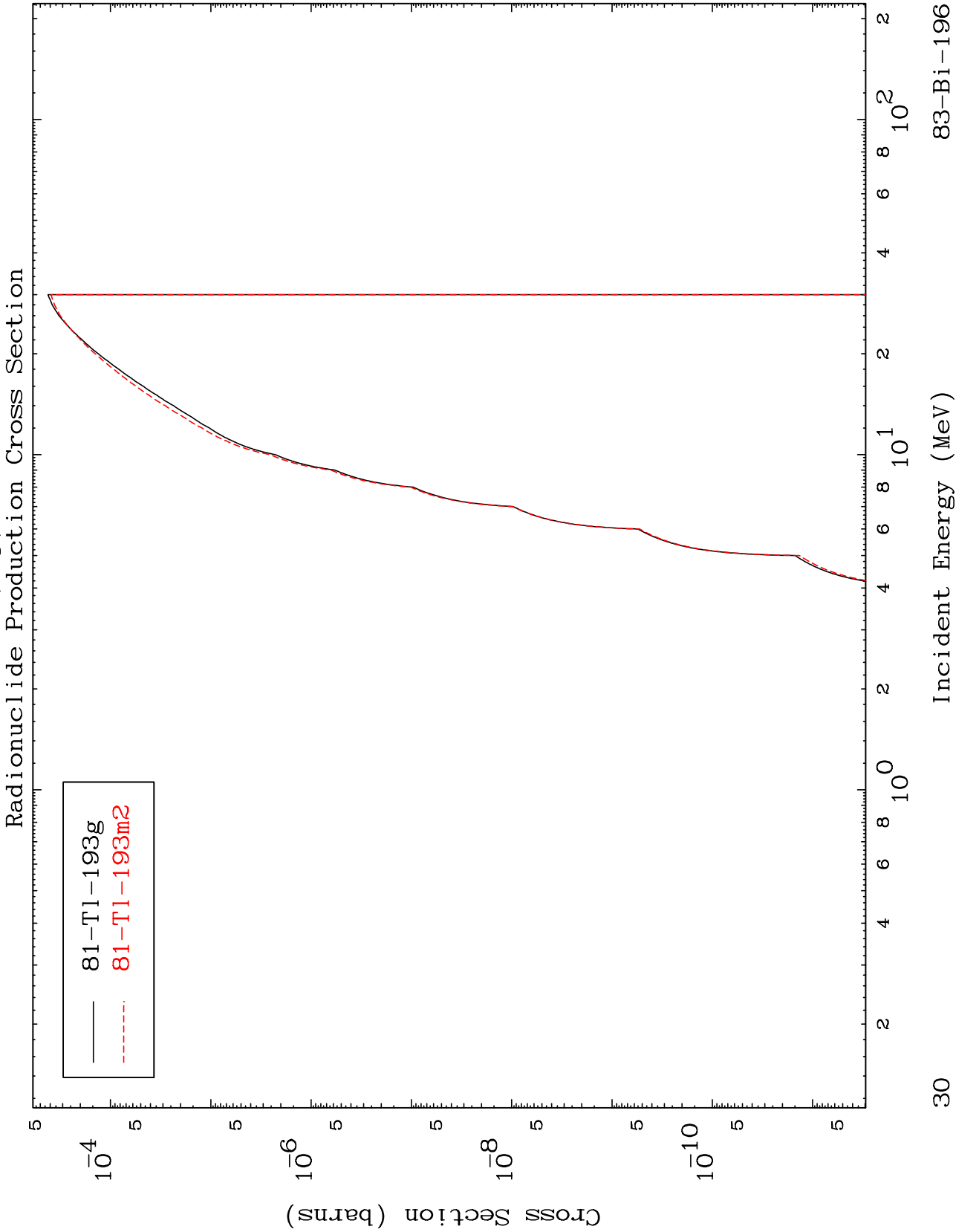
Incident Energy (MeV)

83-Bi-196

MAT 8287

(d,p)  $\alpha$

83-Bi-196

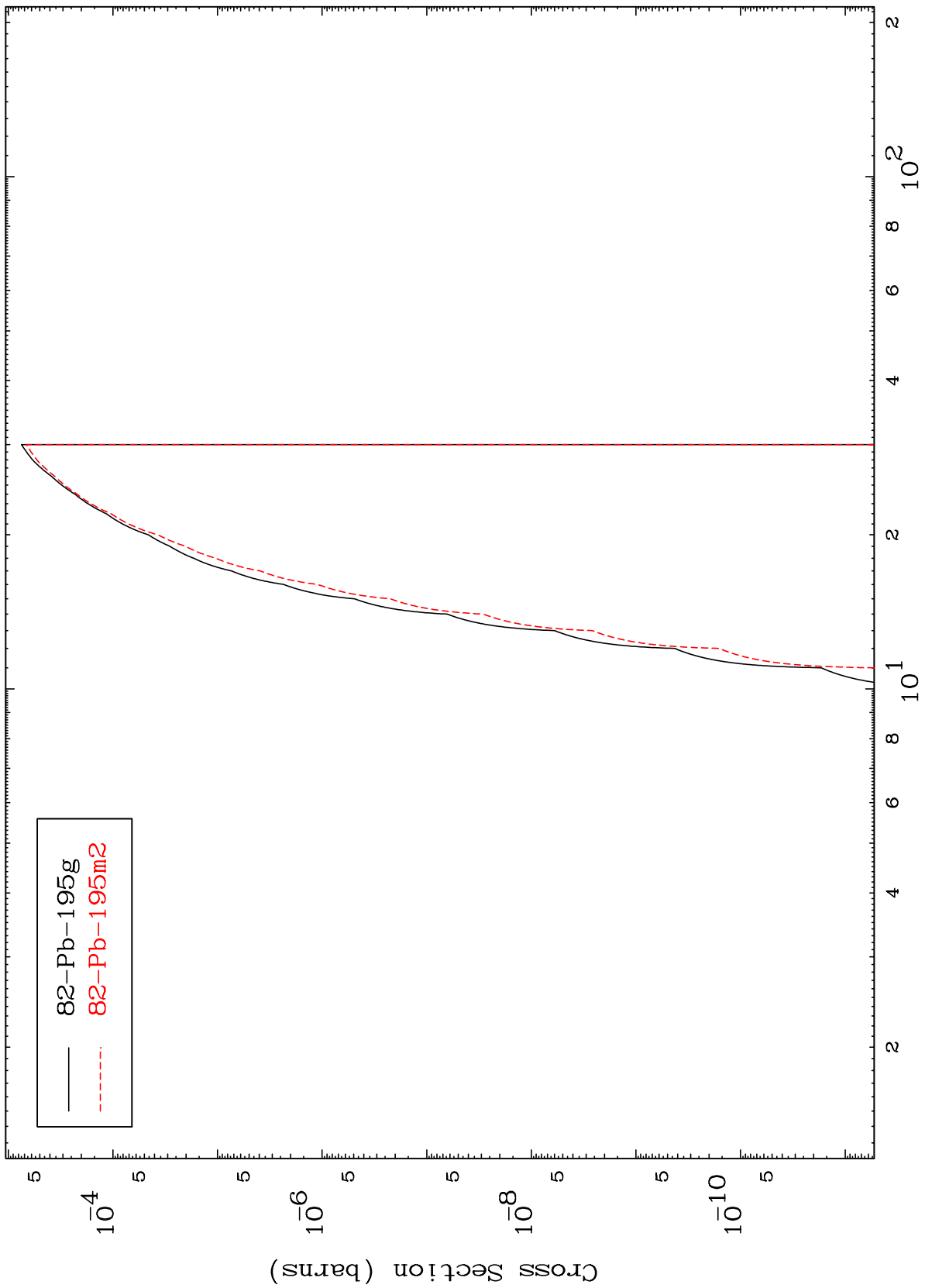


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(d,p) d

83-Bi-196

Radionuclide Production Cross Section



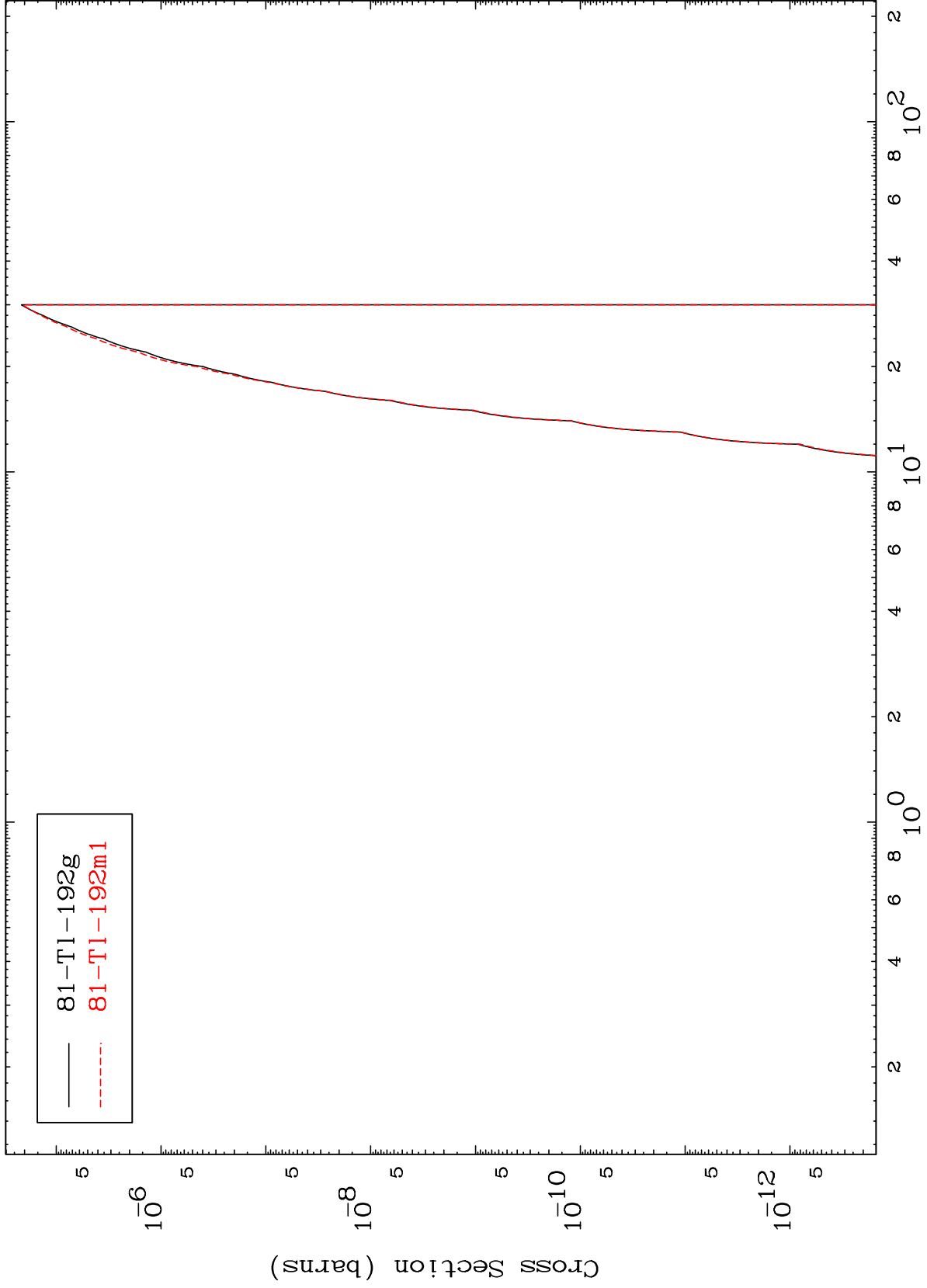


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(d,d)  $\alpha$

83-Bi-196

Radionuclide Production Cross Section



32

Incident Energy (MeV)

83-Bi-196