

Program EVALPLOT  
(Version 2018-1)

by

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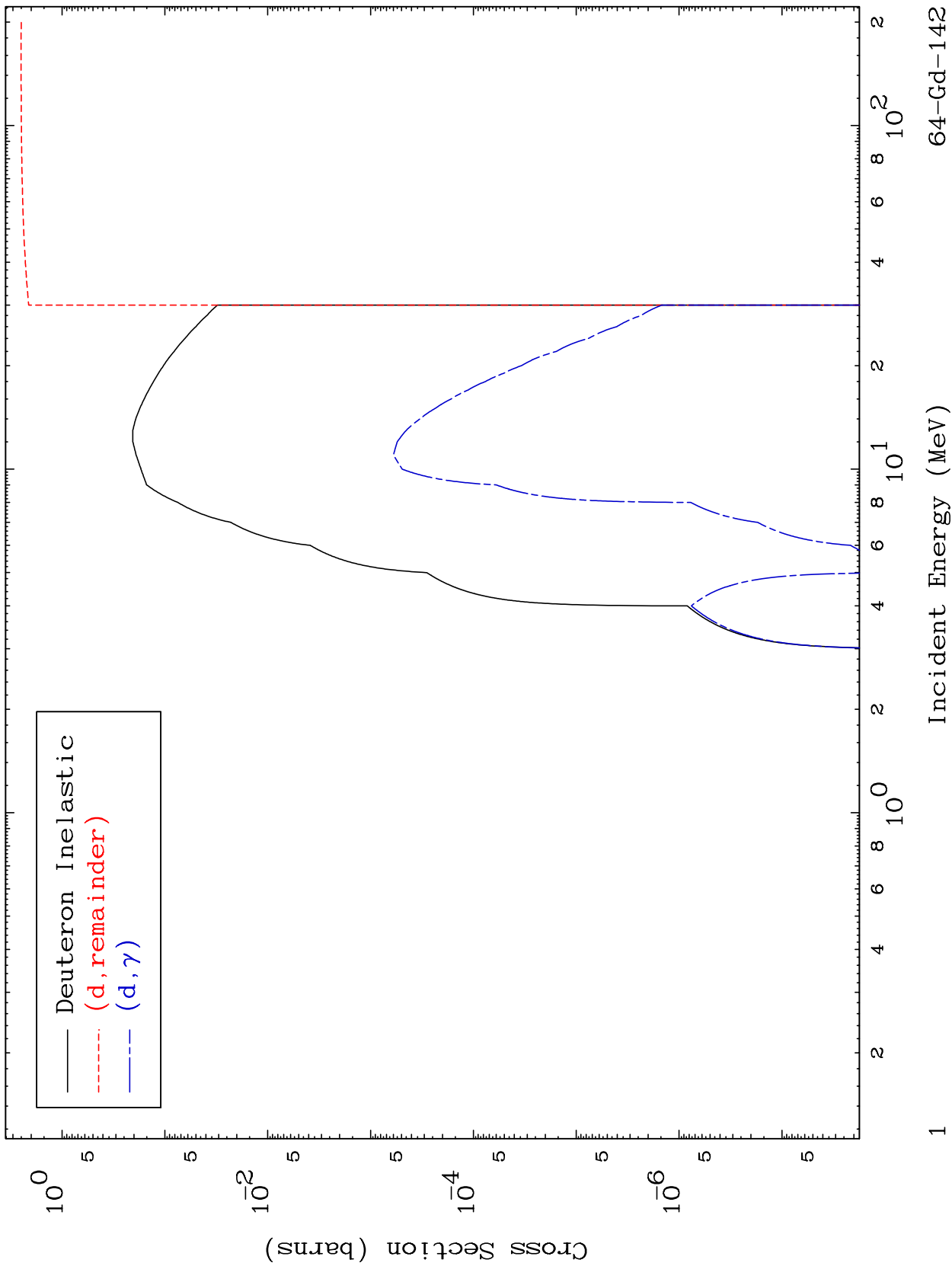
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6395

Deuteron Major  
0 Kelvin Cross Sections

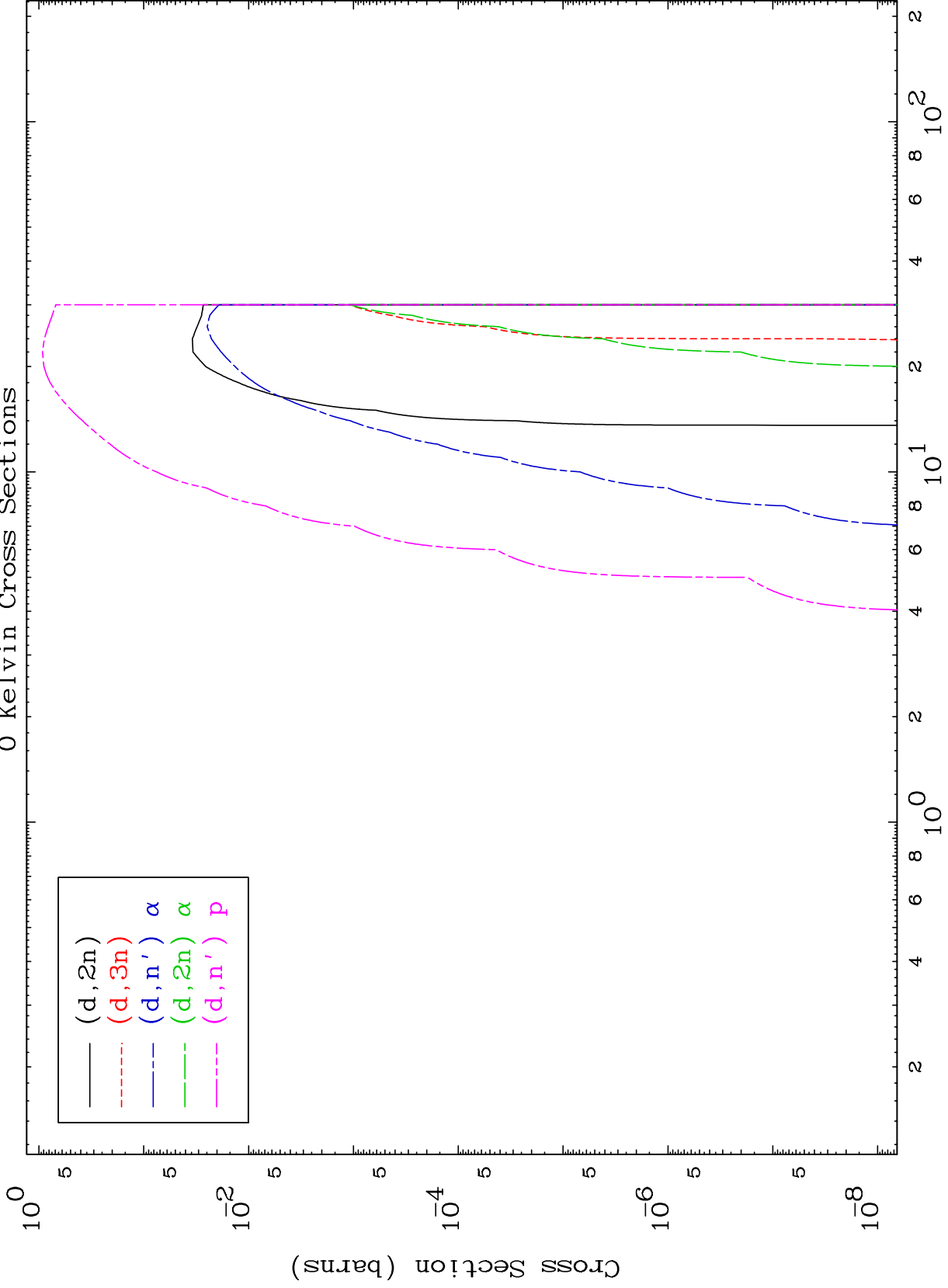
64-Gd-142

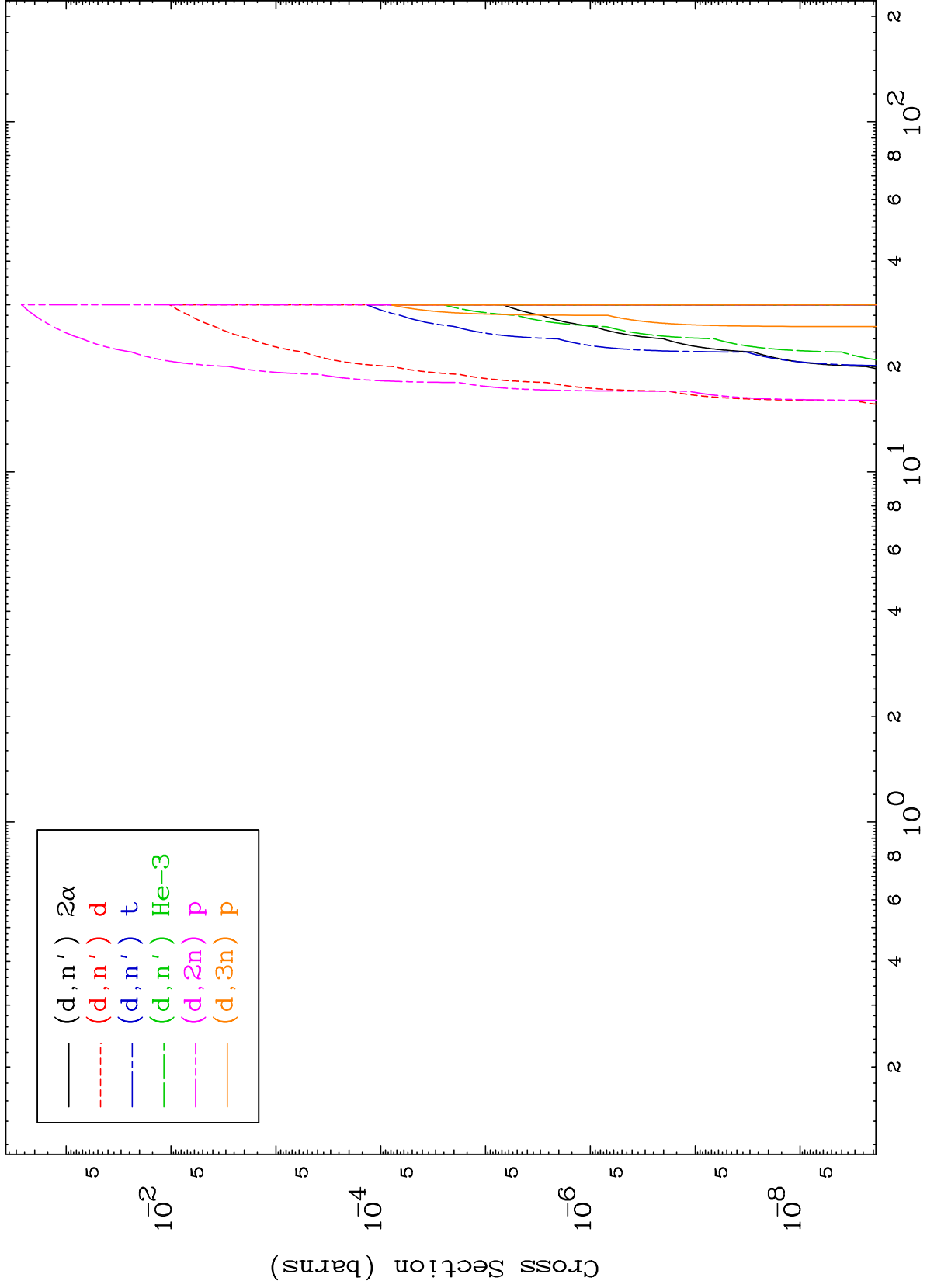


MAT 6395

Deuteron Neutron Production  
0 Kelvin Cross Sections

64-Gd-142

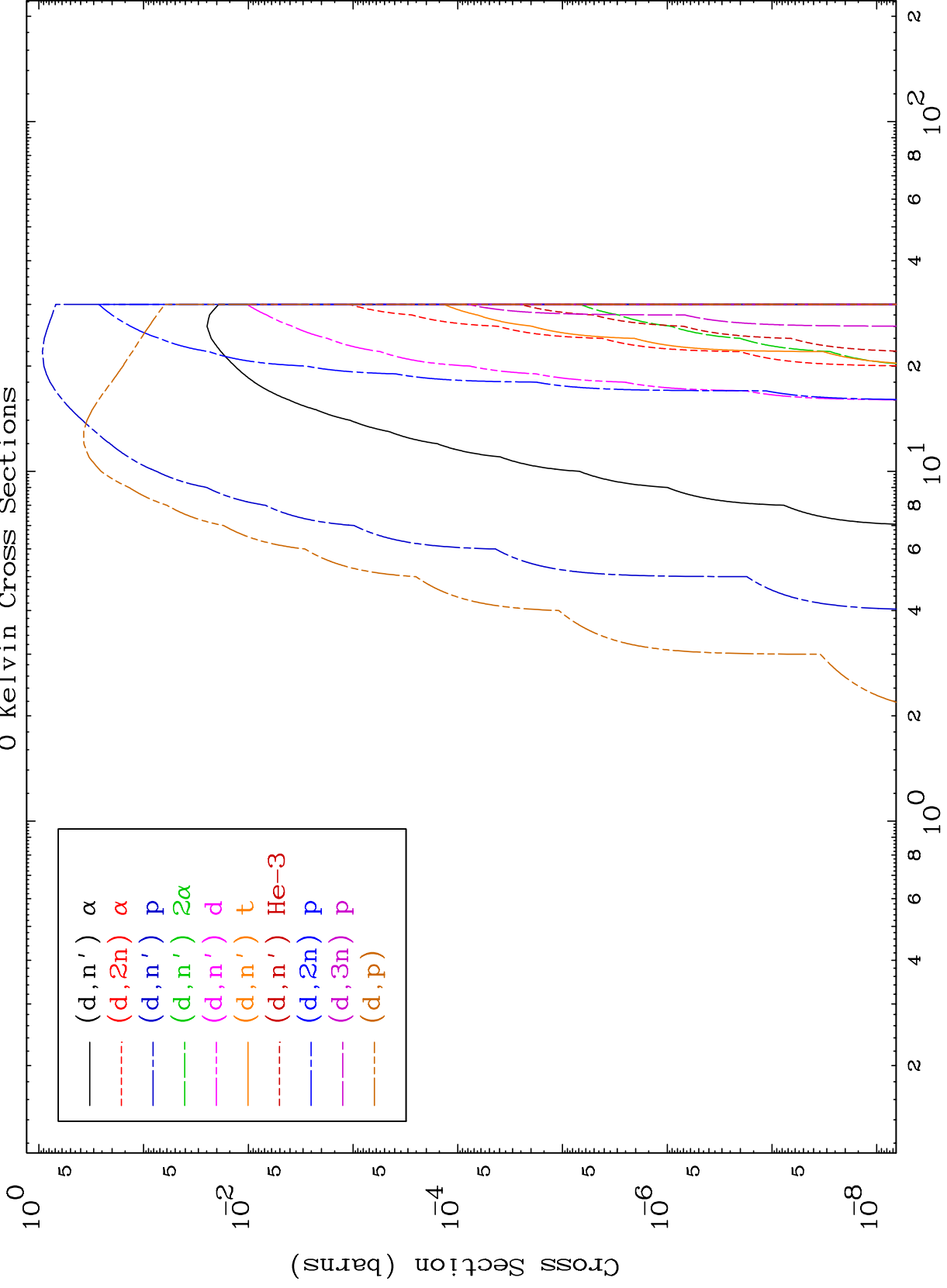


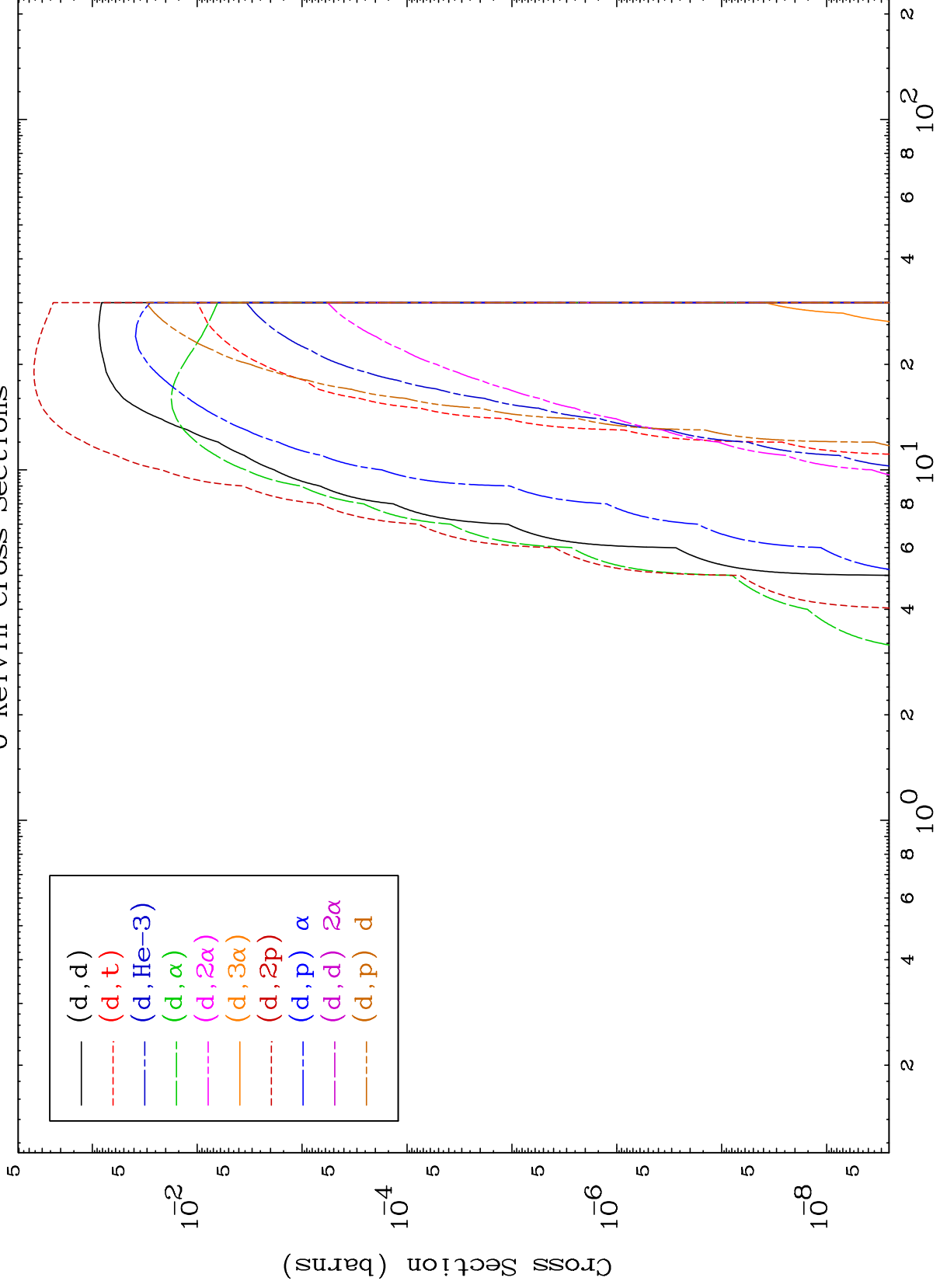


MAT 6395

Deuteron Charged Particle  
0 Kelvin Cross Sections

64-Gd-142

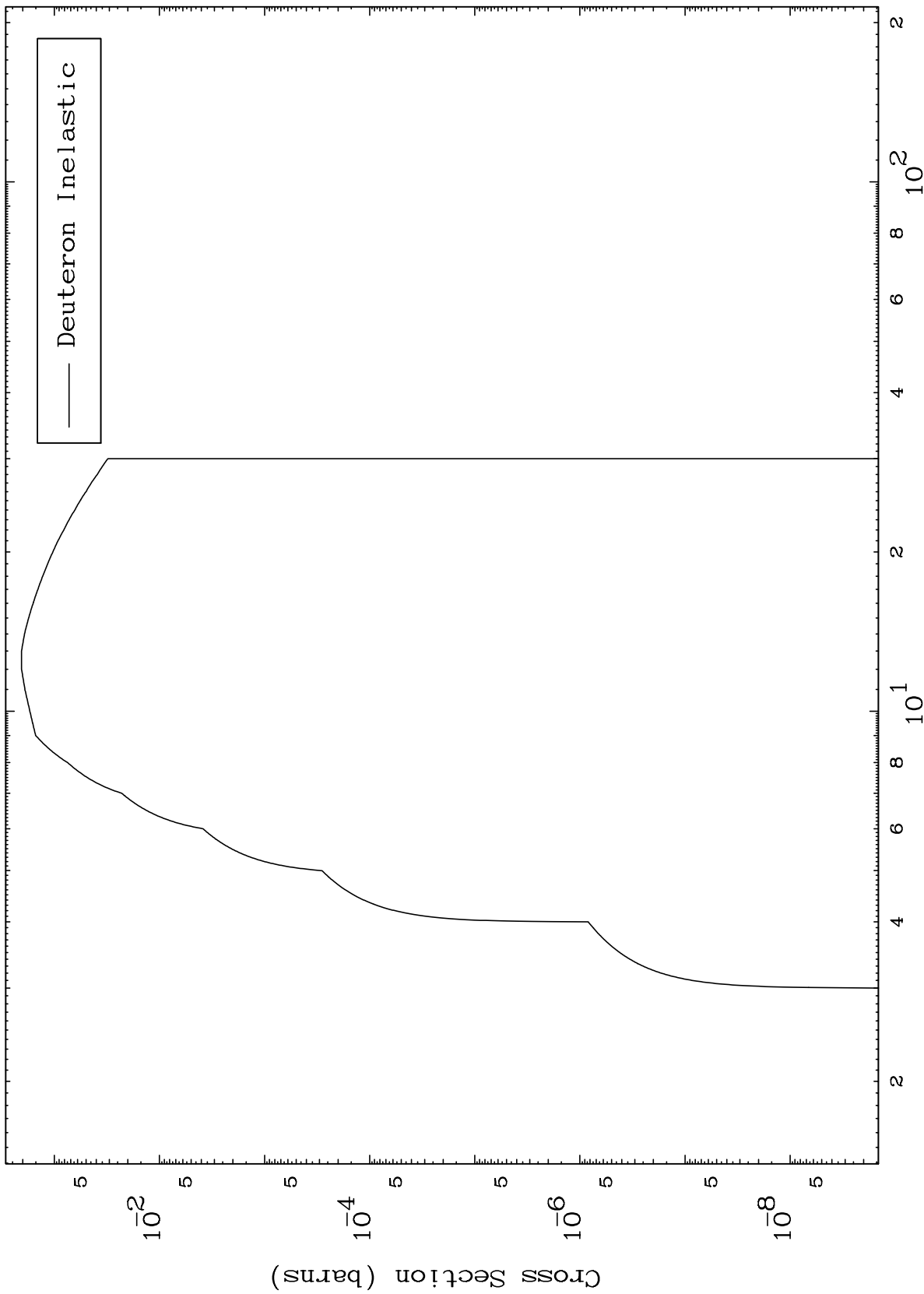




MAT 6395

64-Gd-142

(d,n') Level  
0 Kelvin Cross Sections



6

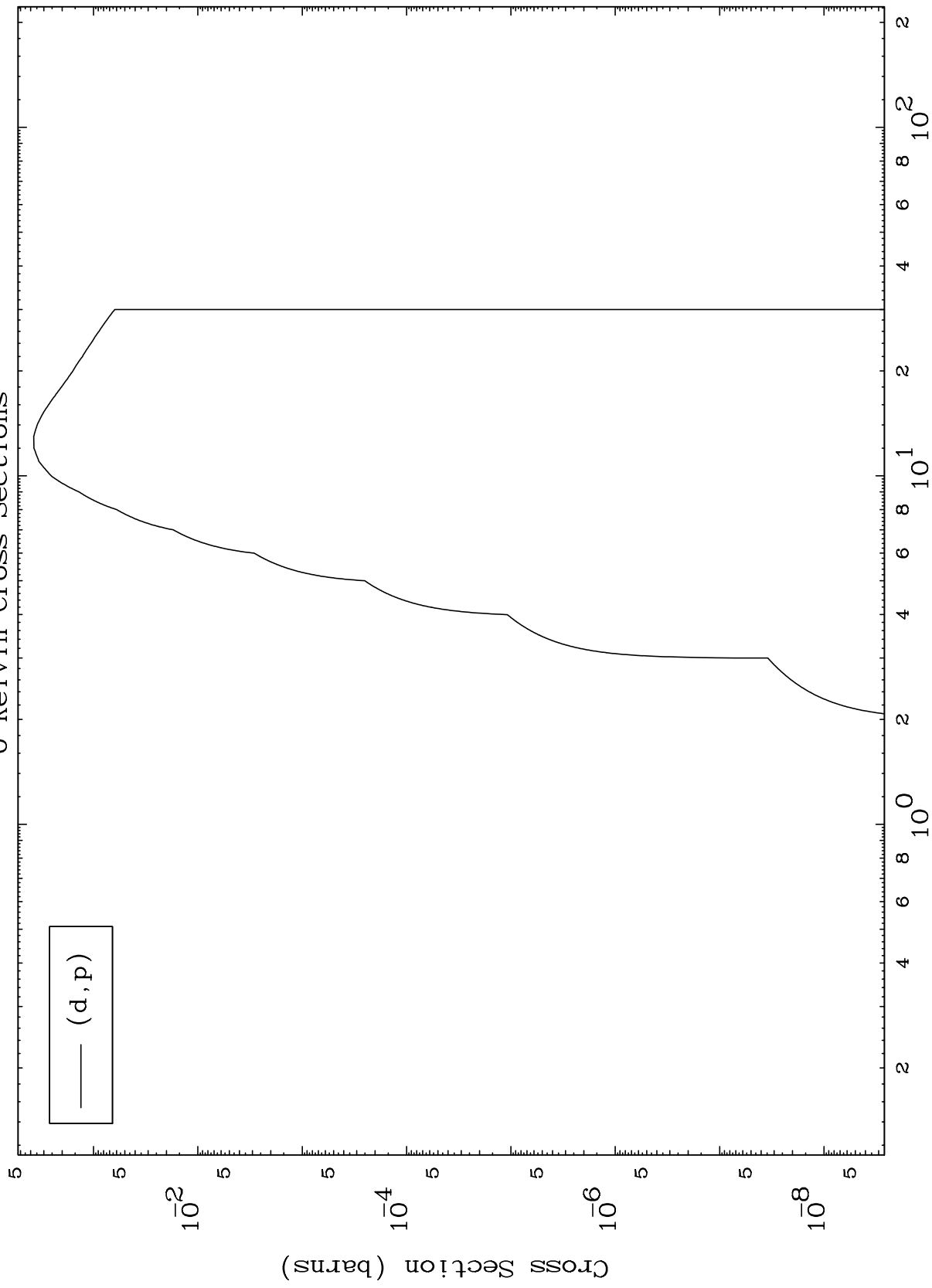
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(d,p) Levels  
0 Kelvin Cross Sections



64-Gd-142

Incident Energy (MeV)

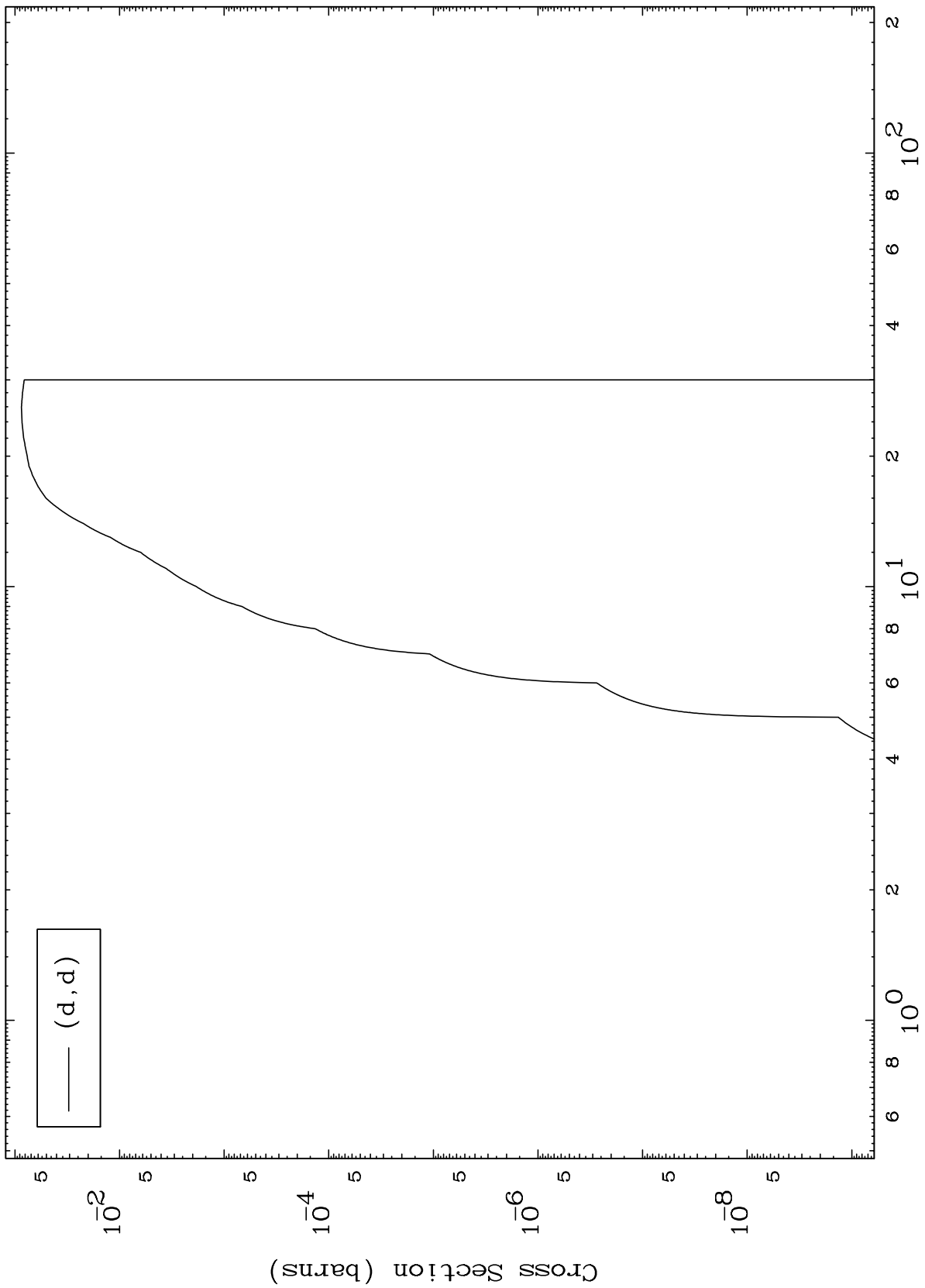


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(d,d) Levels

64-Gd-142

0 Kelvin Cross Sections



8

Incident Energy (MeV)

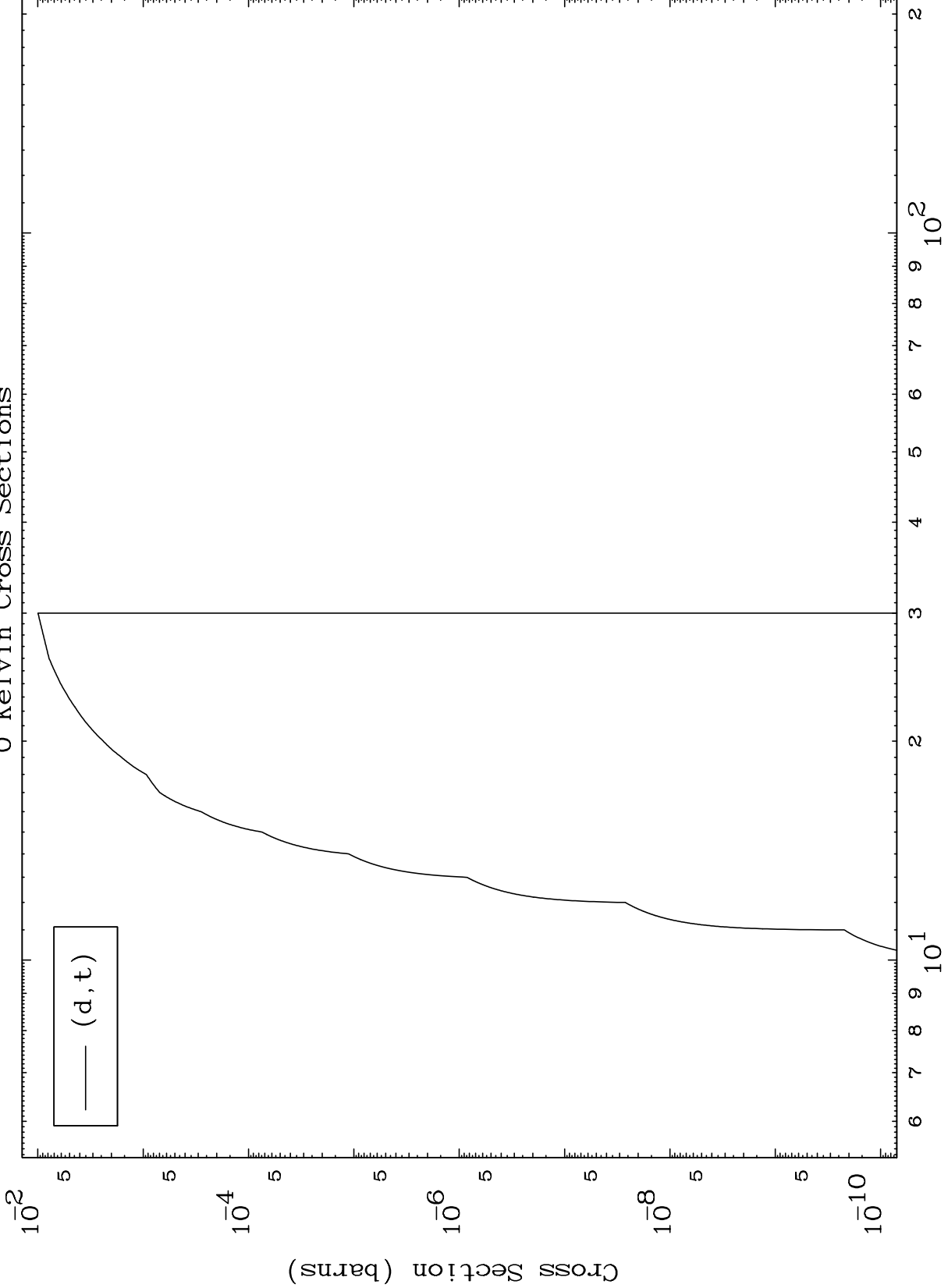
64-Gd-142

MAT 6395

(d, t) Levels

64-Gd-142

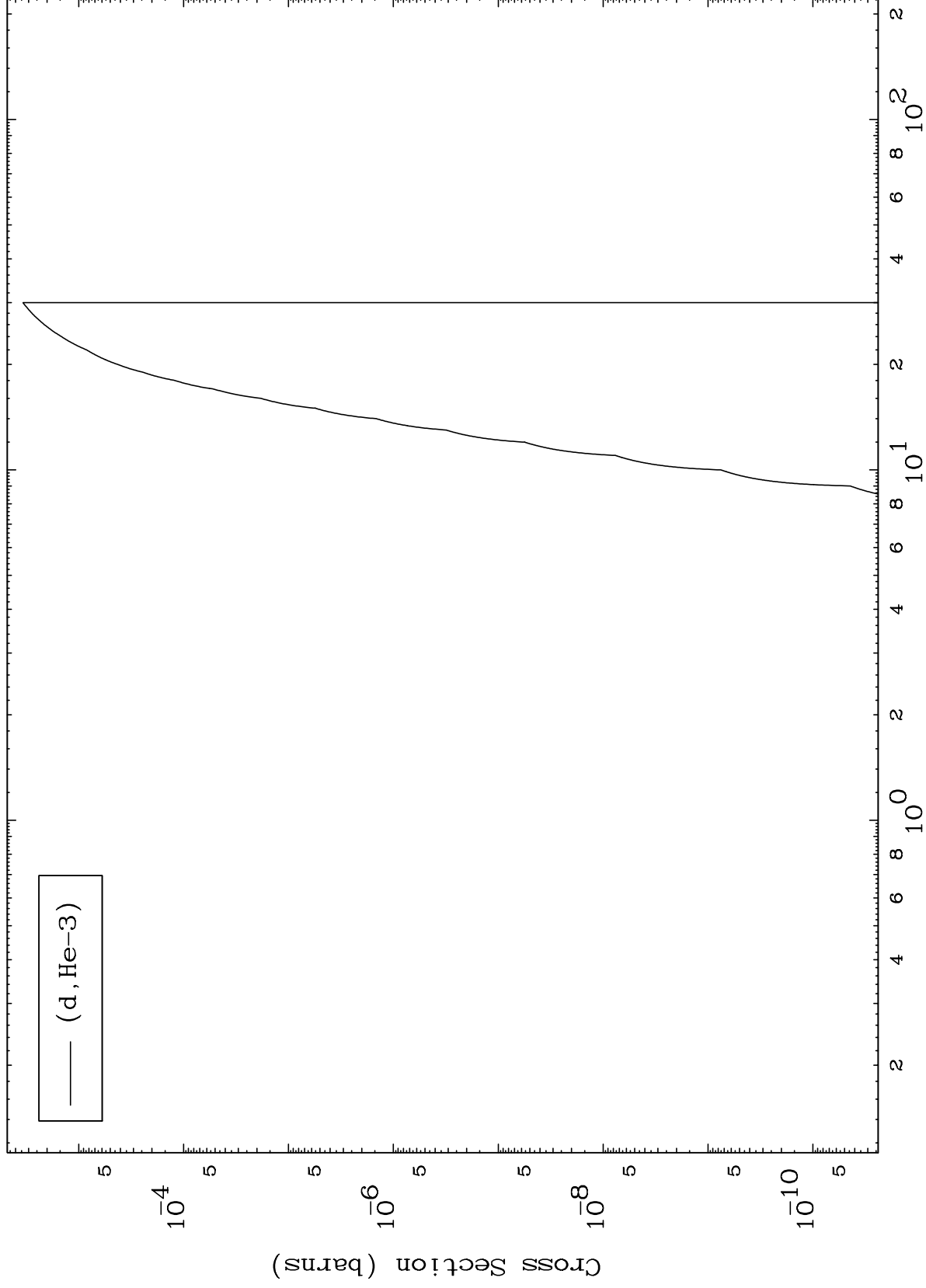
0 Kelvin Cross Sections



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(d,He3) Levels  
0 Kelvin Cross Sections

64-Gd-142



10

Incident Energy (MeV)

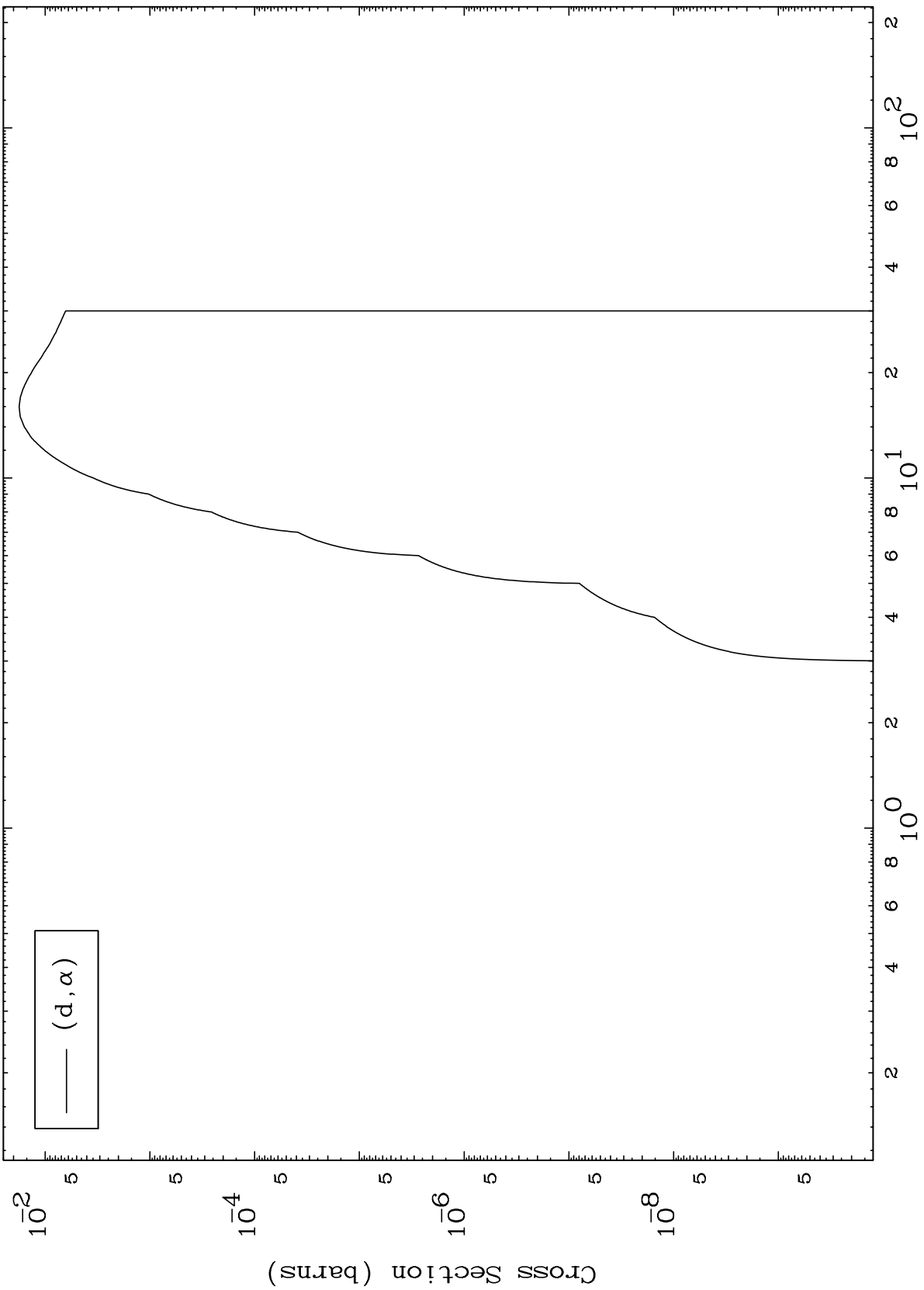
64-Gd-142

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(d,  $\alpha$ ) Levels

64-Gd-142

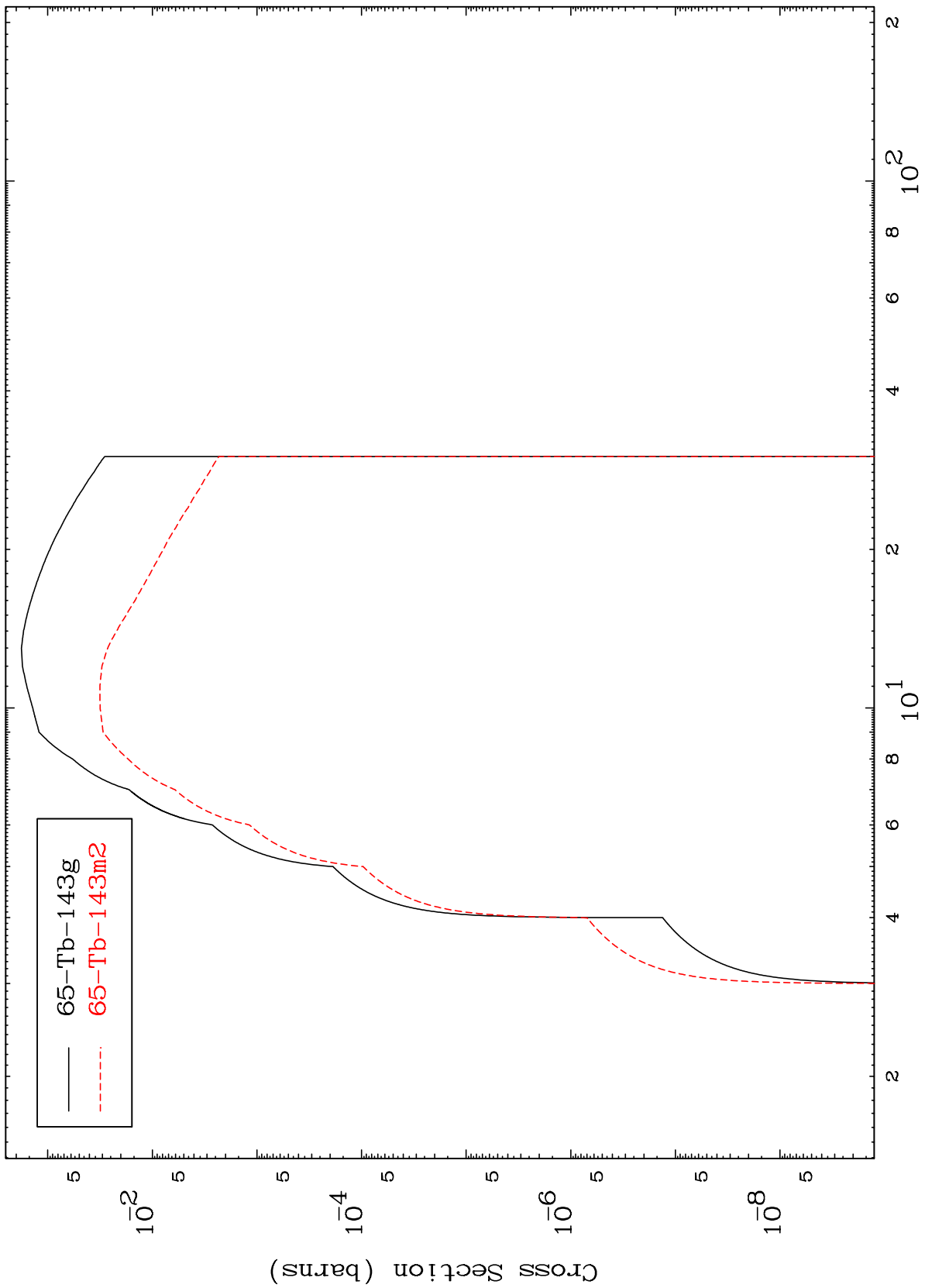
0 Kelvin Cross Sections



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64-Gd-142

Deuteron Inelastic  
Radionuclide Production Cross Section



12

64-Gd-142

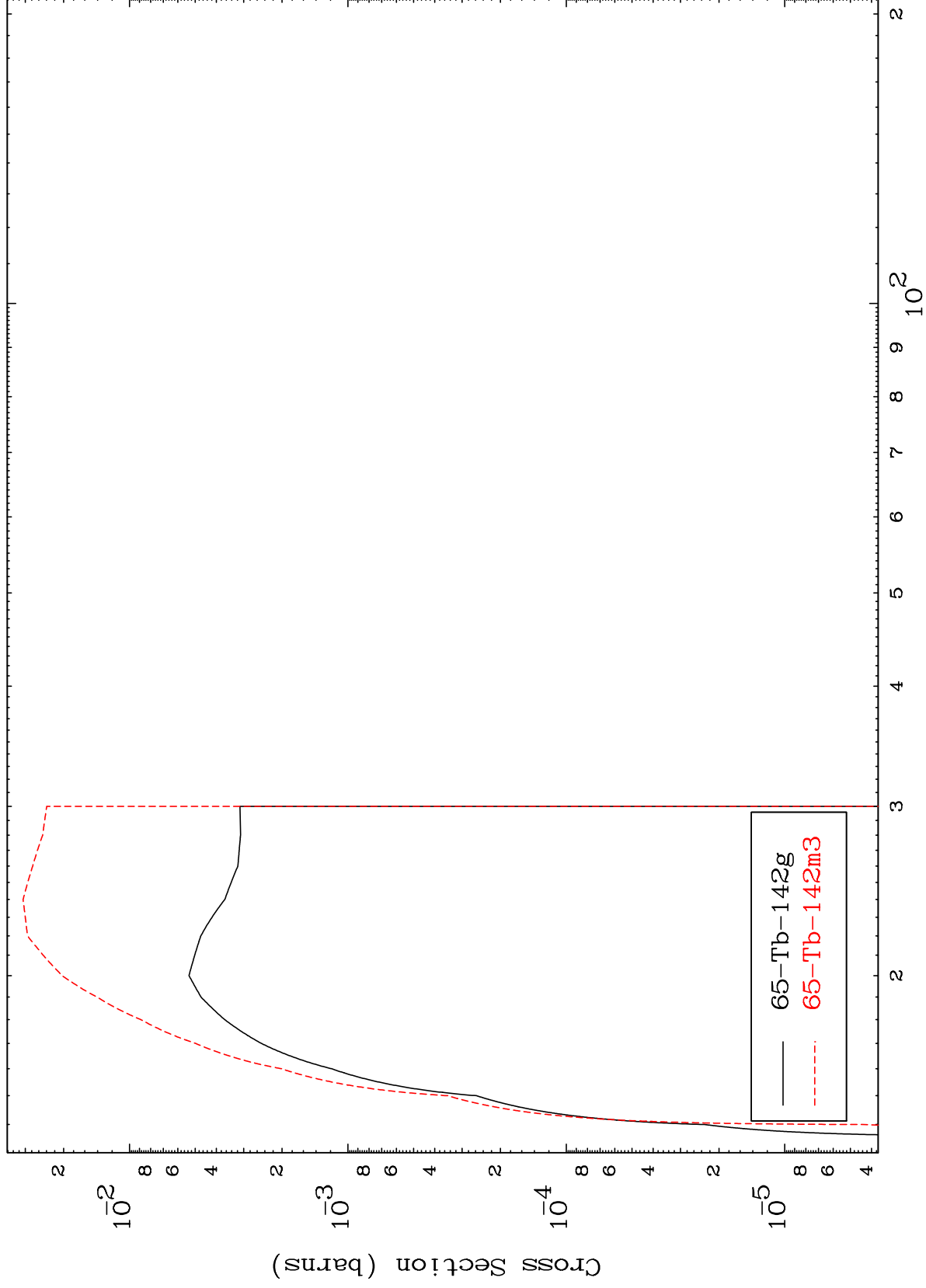
Incident Energy (MeV)

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(d,2n)

64-Gd-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

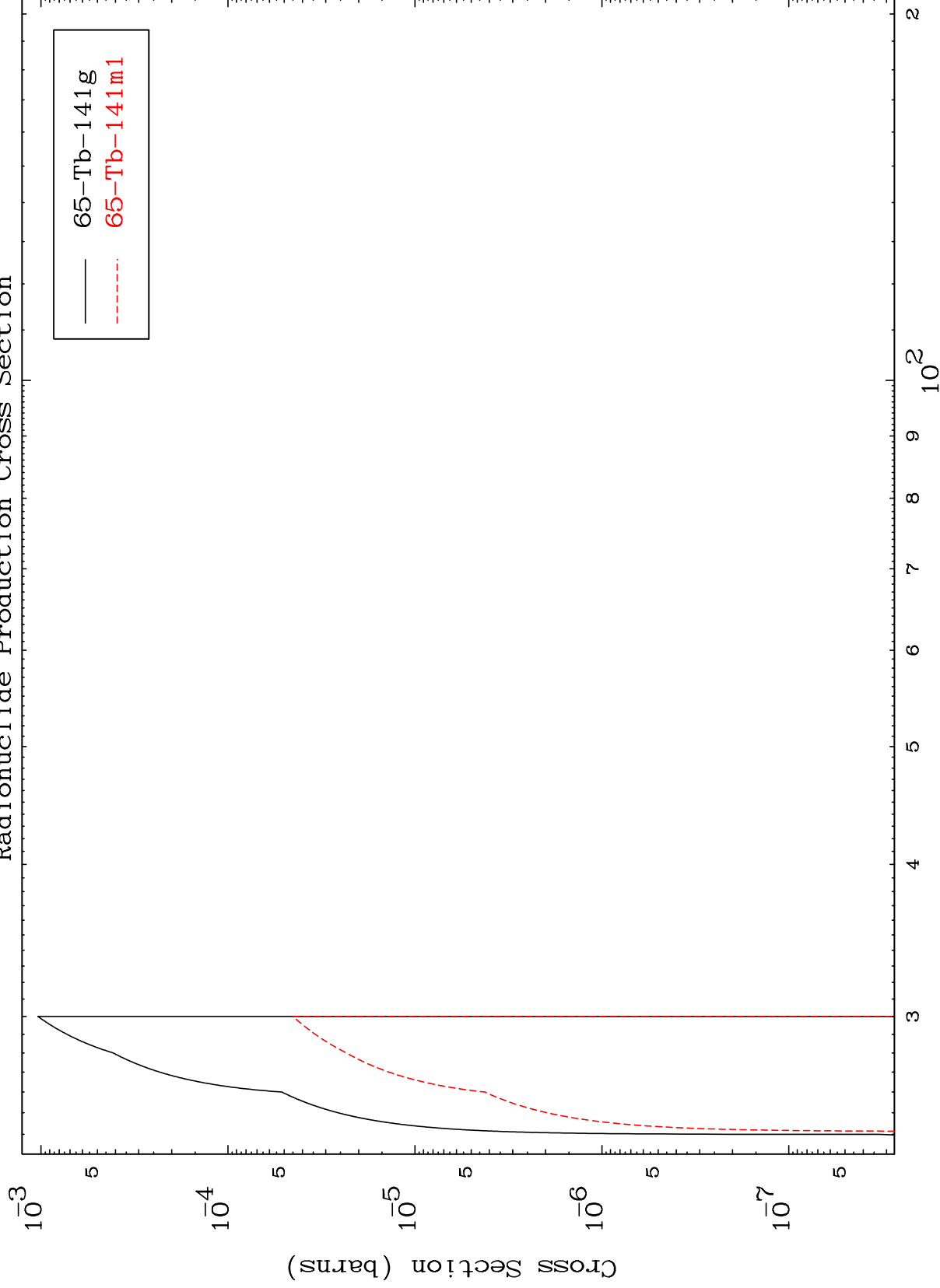
64-Gd-142

MAT 6395

(d,3n)

64-Gd-142

Radionuclide Production Cross Section



14

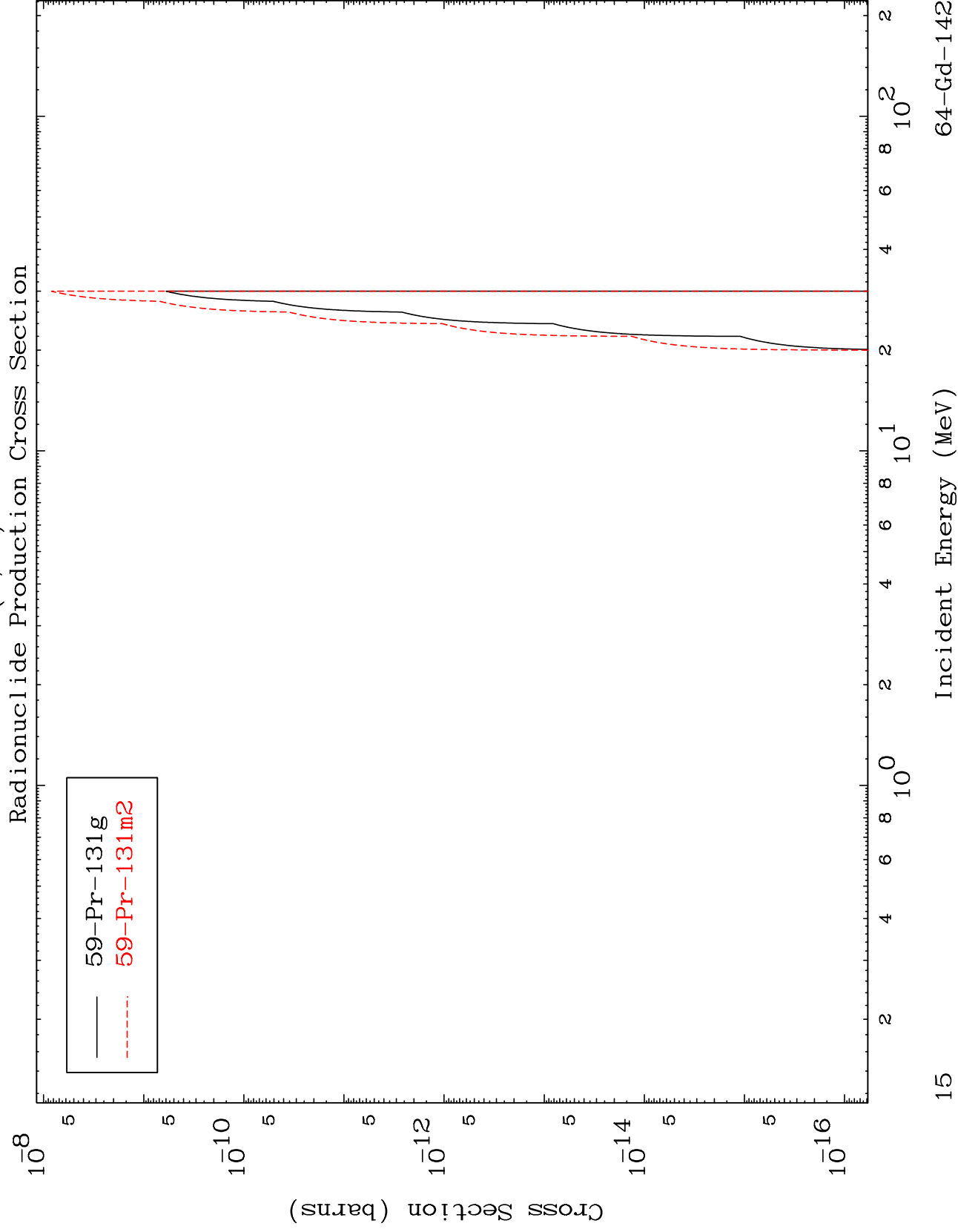
Incident Energy (MeV)

64-Gd-142

MAT 6395

(d,n') 3α

64-Gd-142



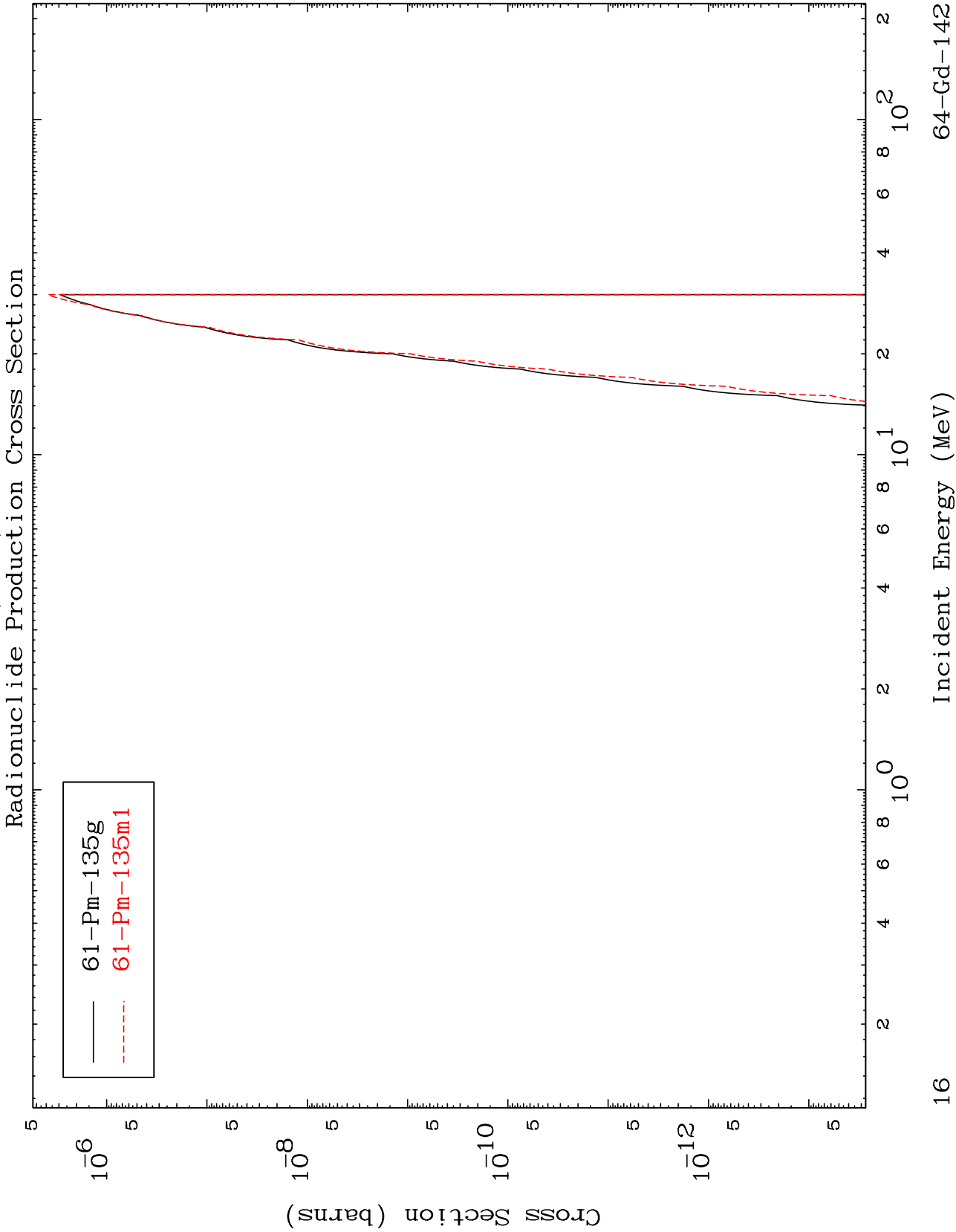
15



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(d,n') 2 $\alpha$

64-Gd-142

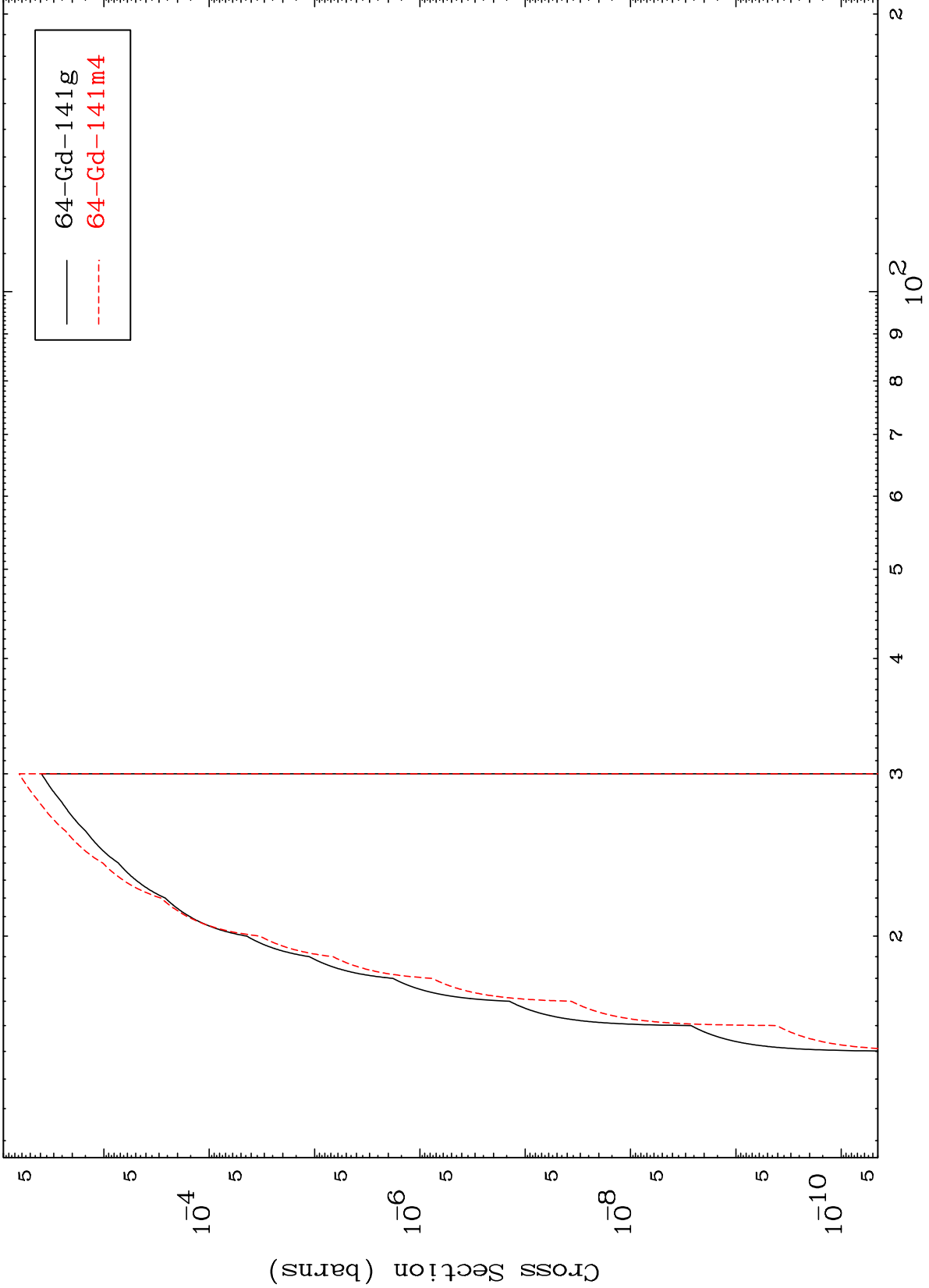


MAT 6395

(d,n') d

64-Gd-142

Radionuclide Production Cross Section



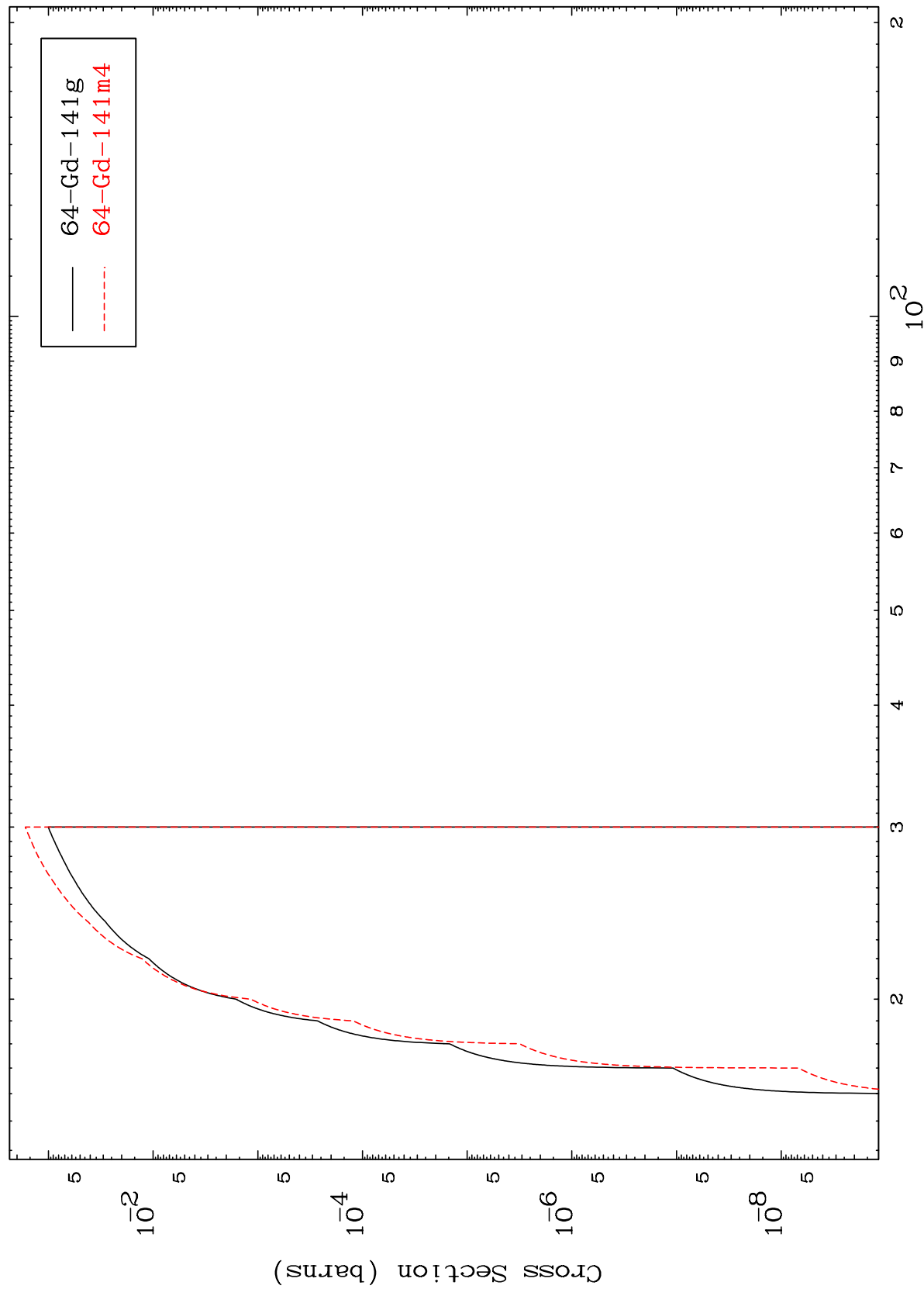
64-Gd-141g  
64-Gd-141m4

MAT 6395

(d,2n) p

64-Gd-142

Radionuclide Production Cross Section



64-Gd-141g  
64-Gd-141m4

18

Incident Energy (MeV)

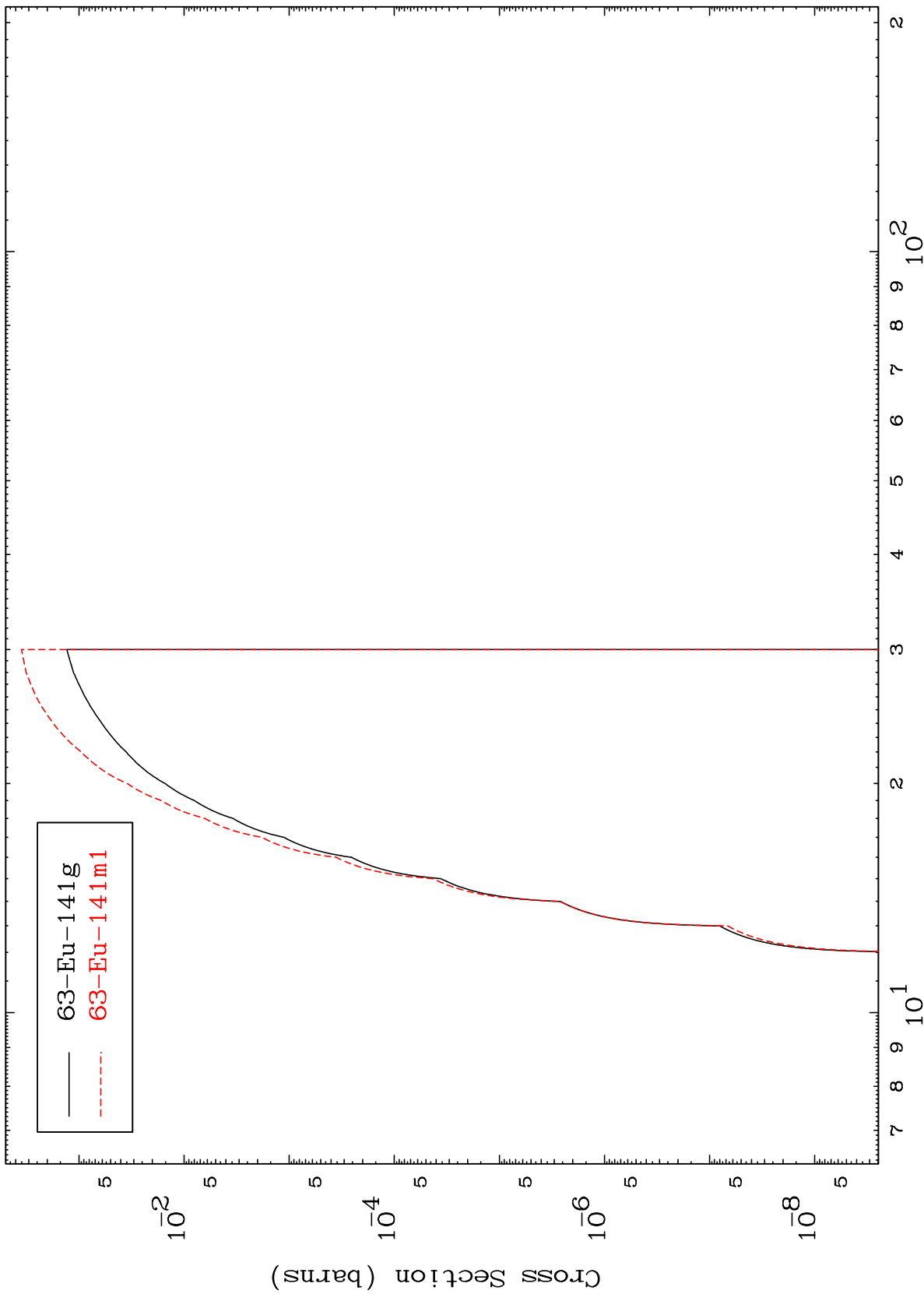
64-Gd-142

MAT 6395

(d,2n) p

64-Gd-142

Radionuclide Production Cross Section



19

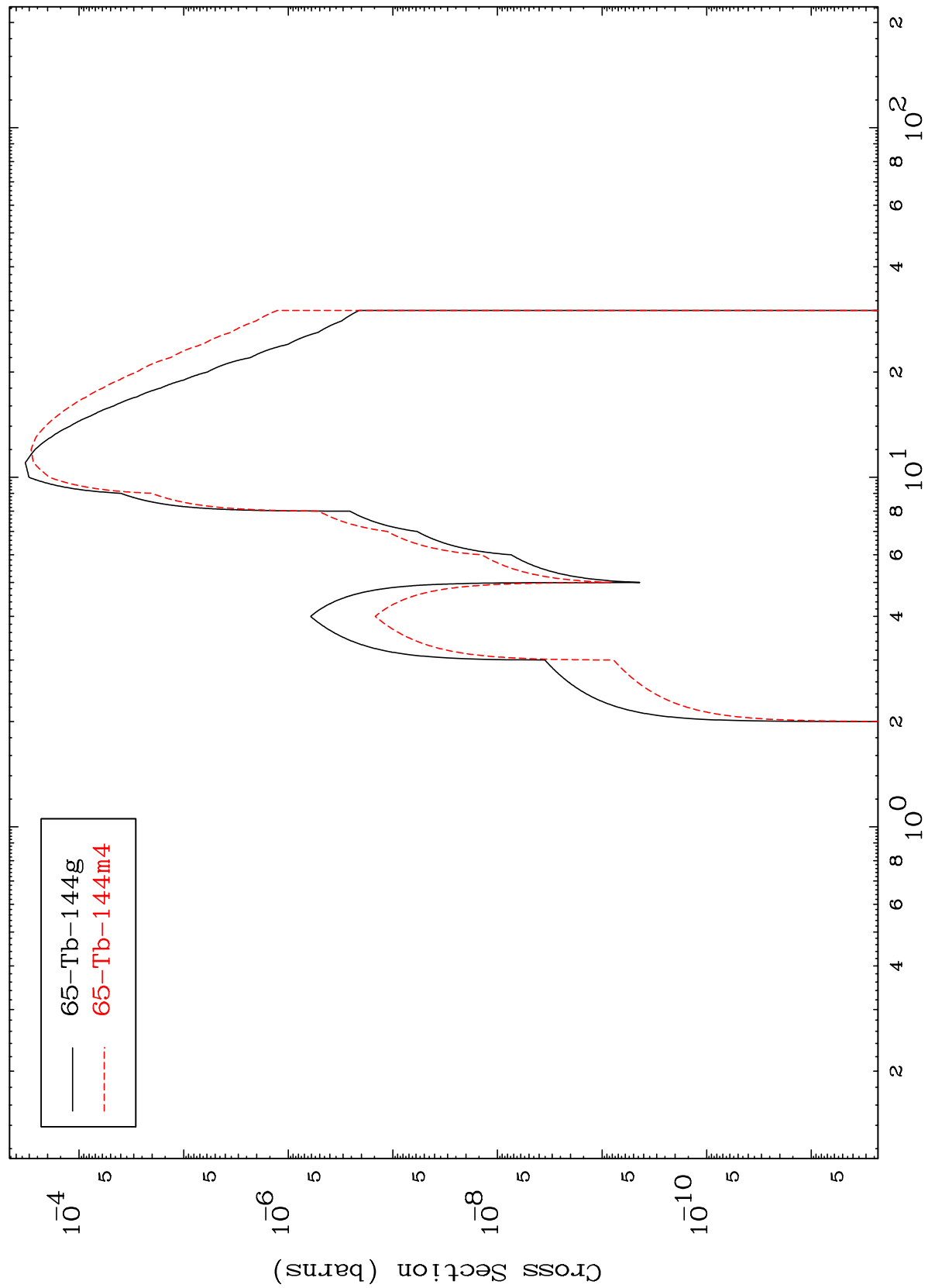
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

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



64-Gd-142

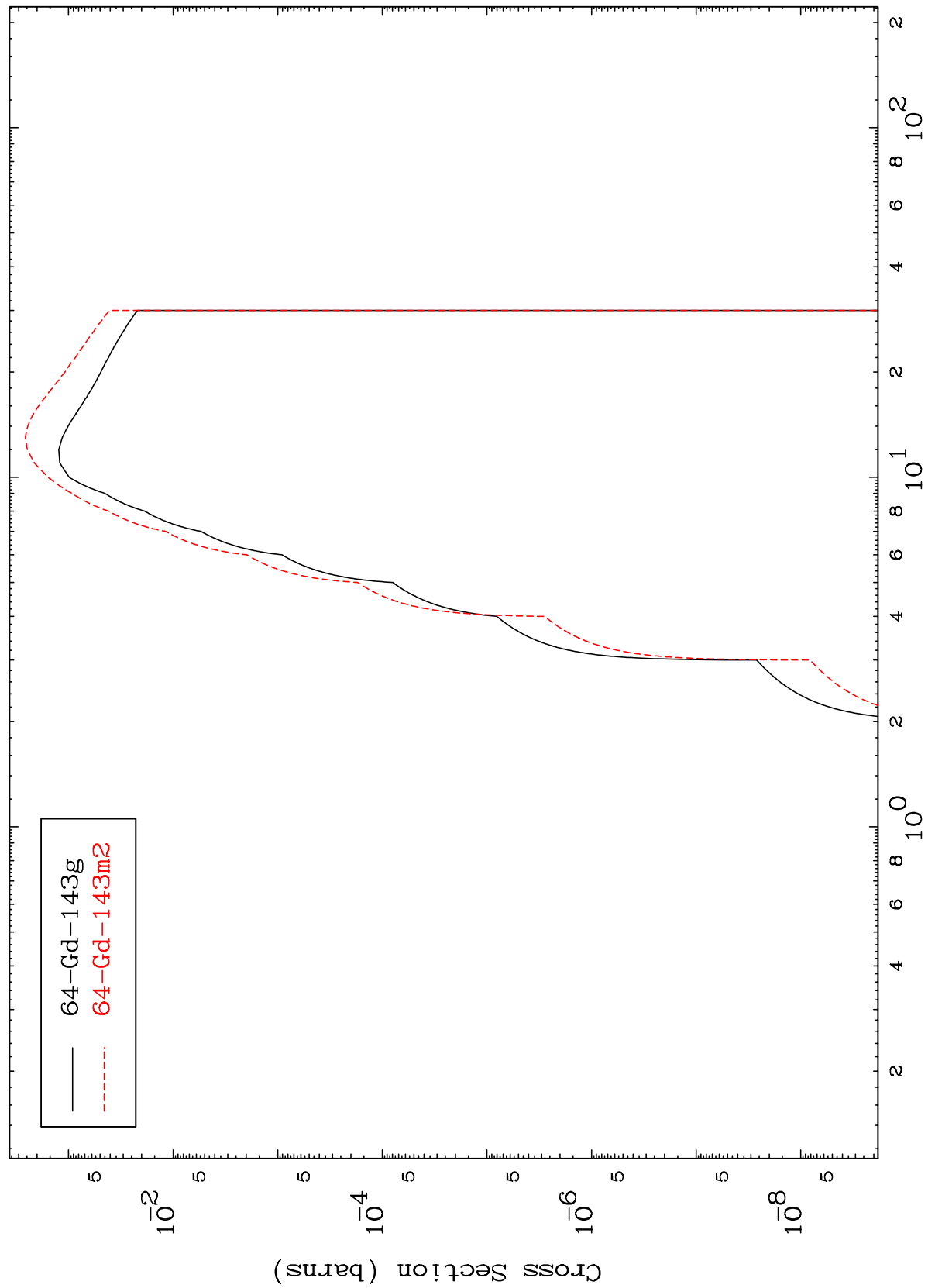
Incident Energy (MeV)

20

MAT 6395

64-Gd-142

(d,p)  
Radionuclide Production Cross Section



64-Gd-143g  
64-Gd-143m2

64-Gd-142

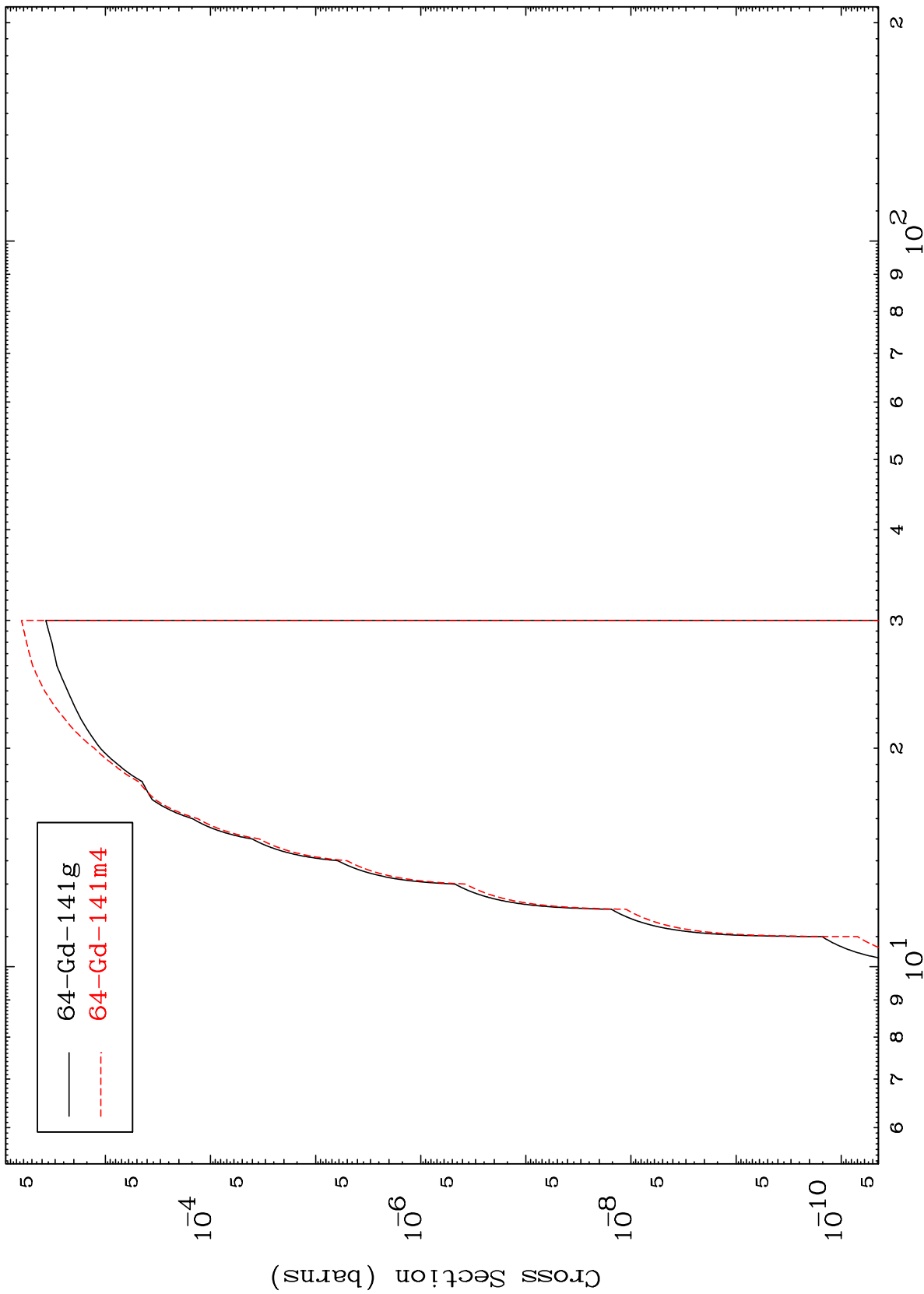
Incident Energy (MeV)

21

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64-Gd-142

(d, t)  
Radionuclide Production Cross Section



64-Gd-142

Incident Energy (MeV)

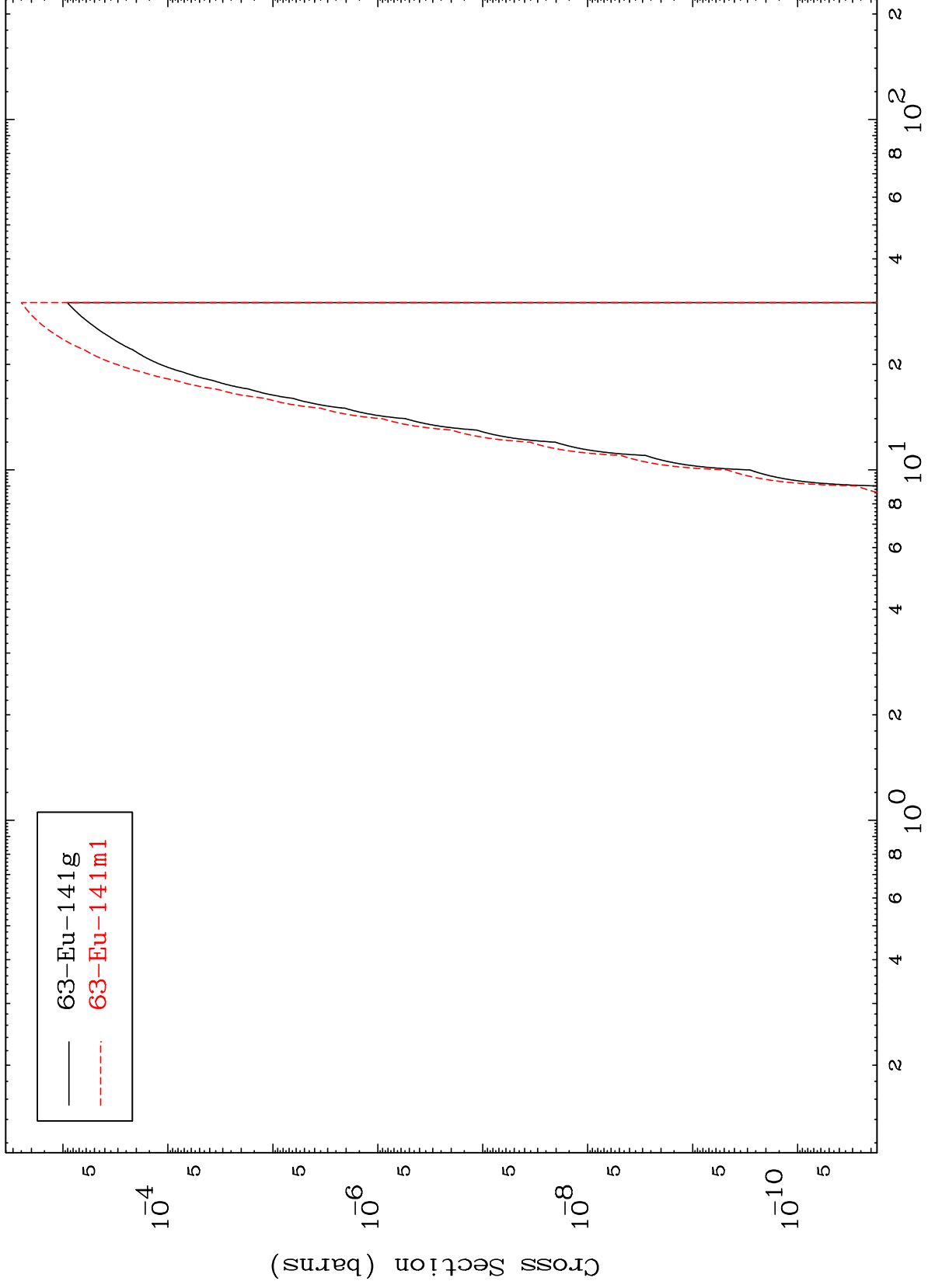
22

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(d,He-3)

64-Gd-142

Radionuclide Production Cross Section



23

64-Gd-142

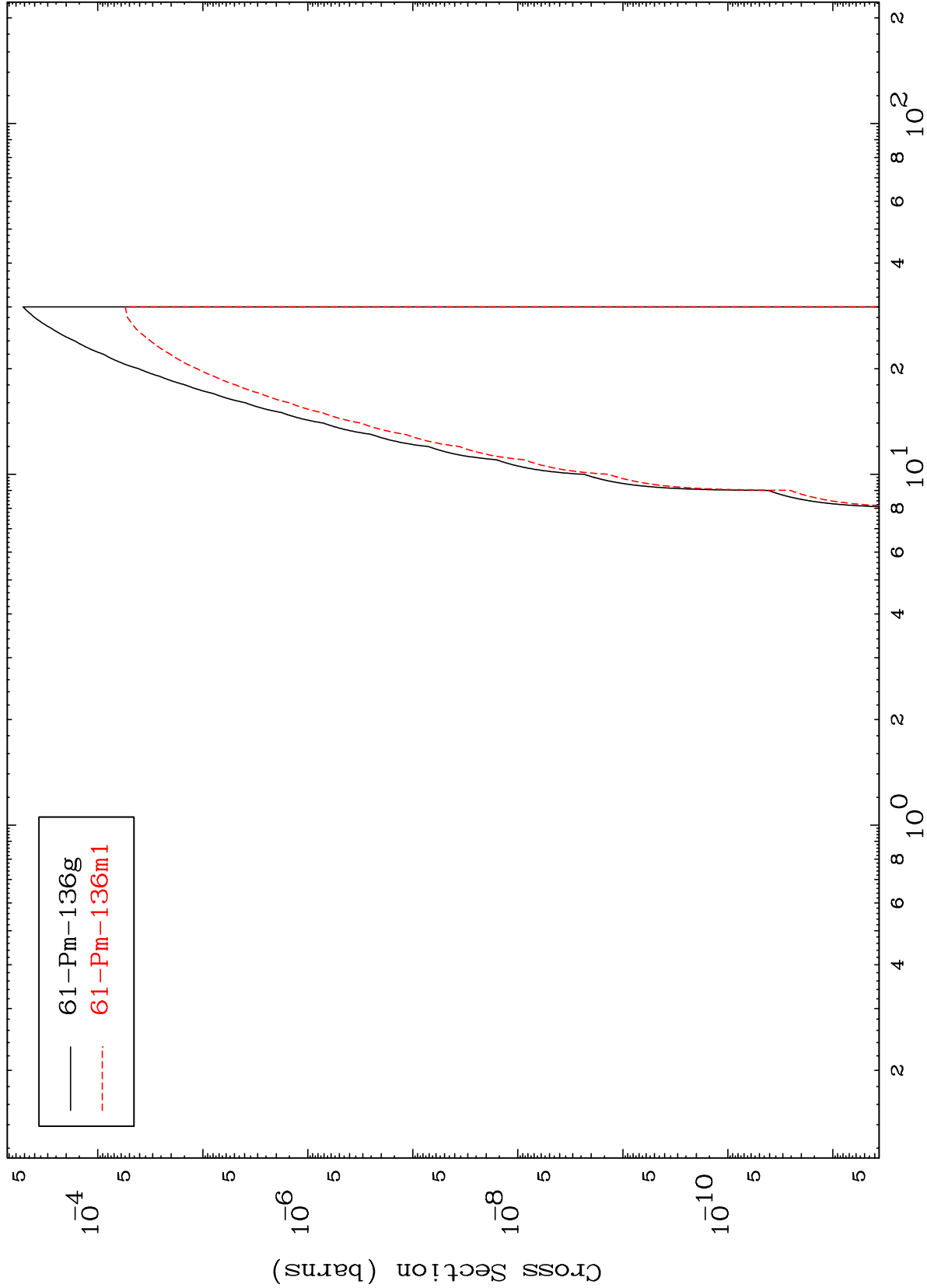


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(d,2 $\alpha$ )

64-Gd-142

Radionuclide Production Cross Section



24

Incident Energy (MeV)

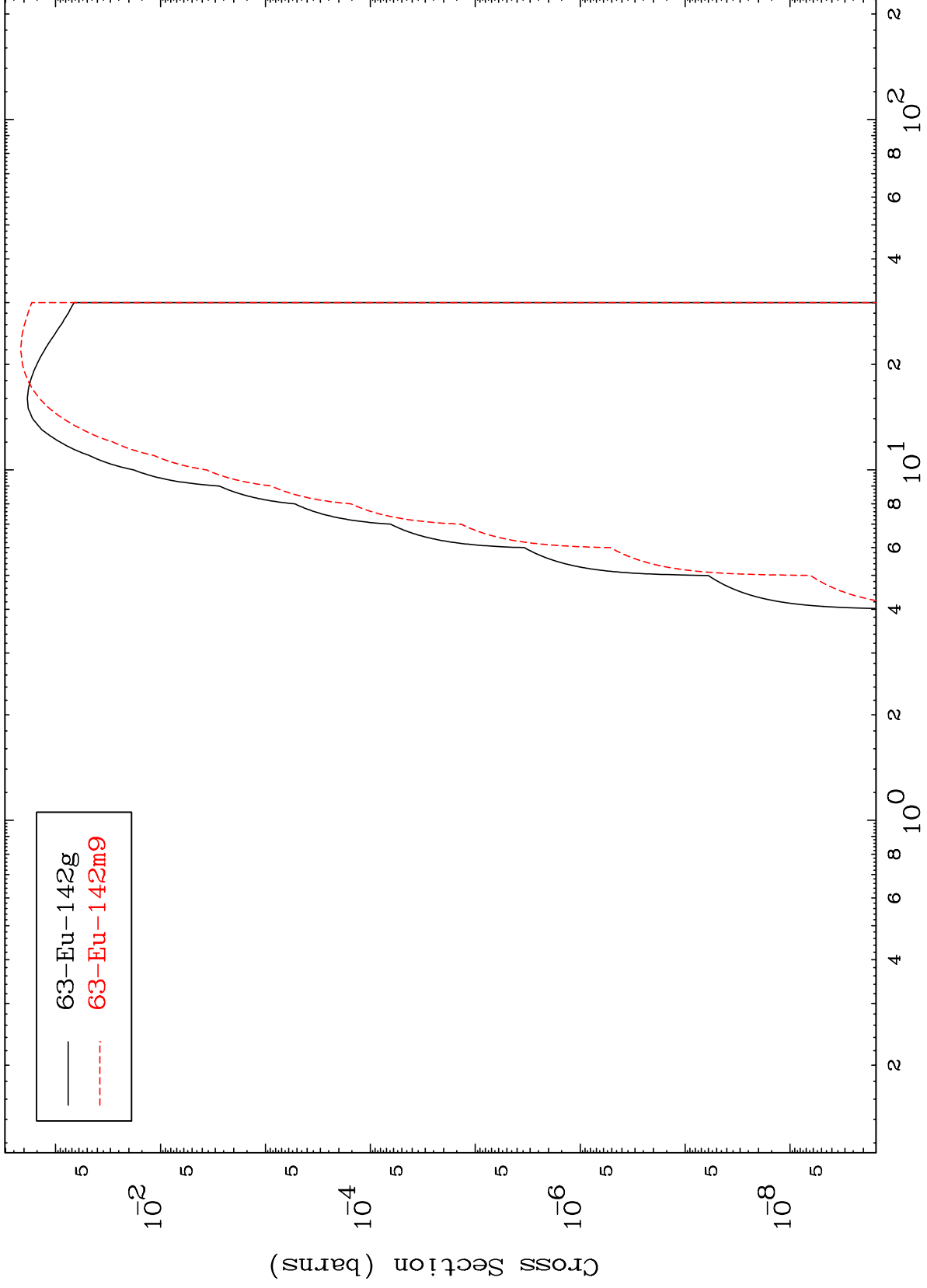
64-Gd-142

MAT 6395

(d,2p)

64-Gd-142

Radionuclide Production Cross Section



25

Incident Energy (MeV)

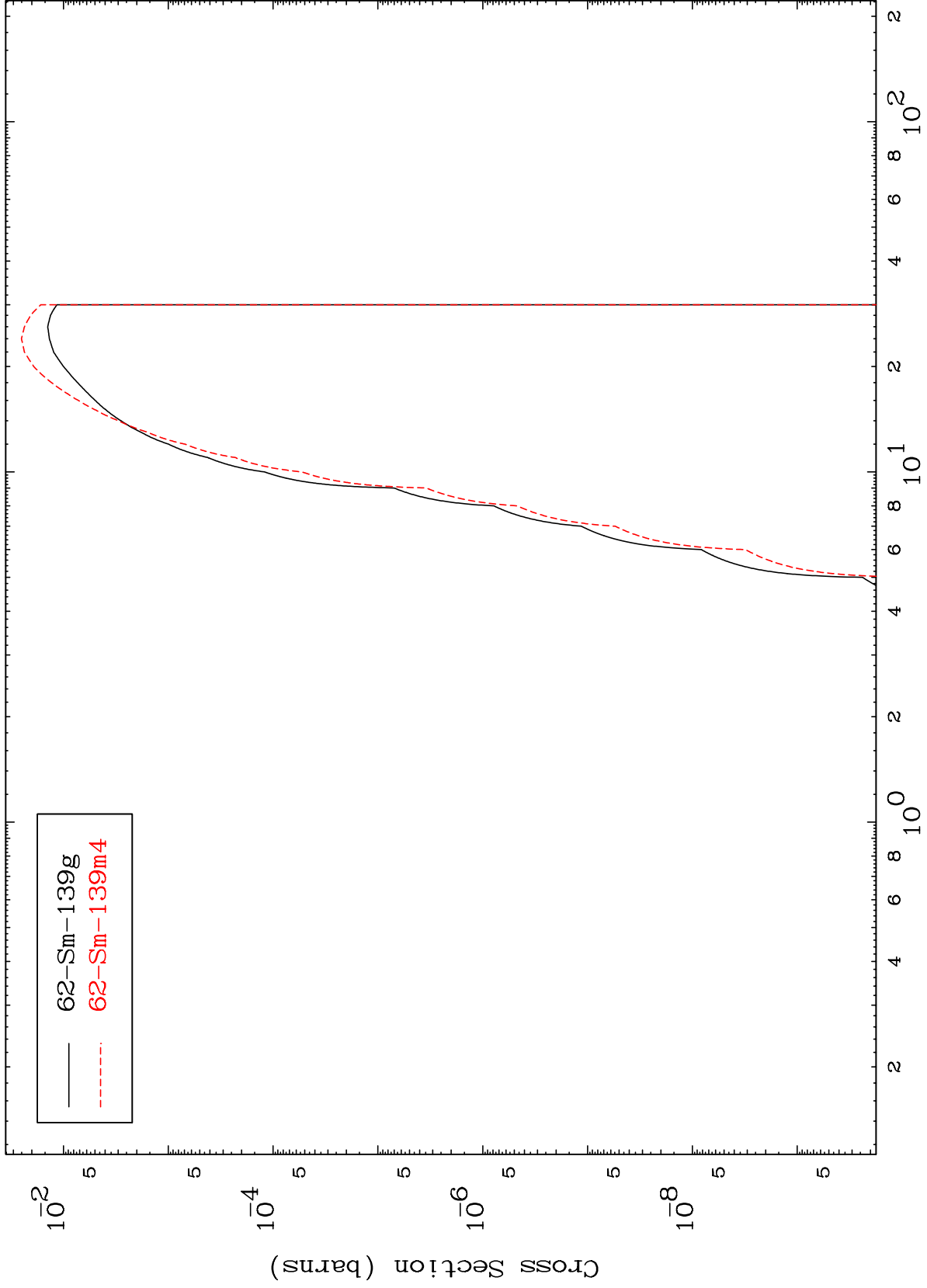
64-Gd-142

MAT 6395

(d,p)  $\alpha$

64-Gd-142

Radionuclide Production Cross Section



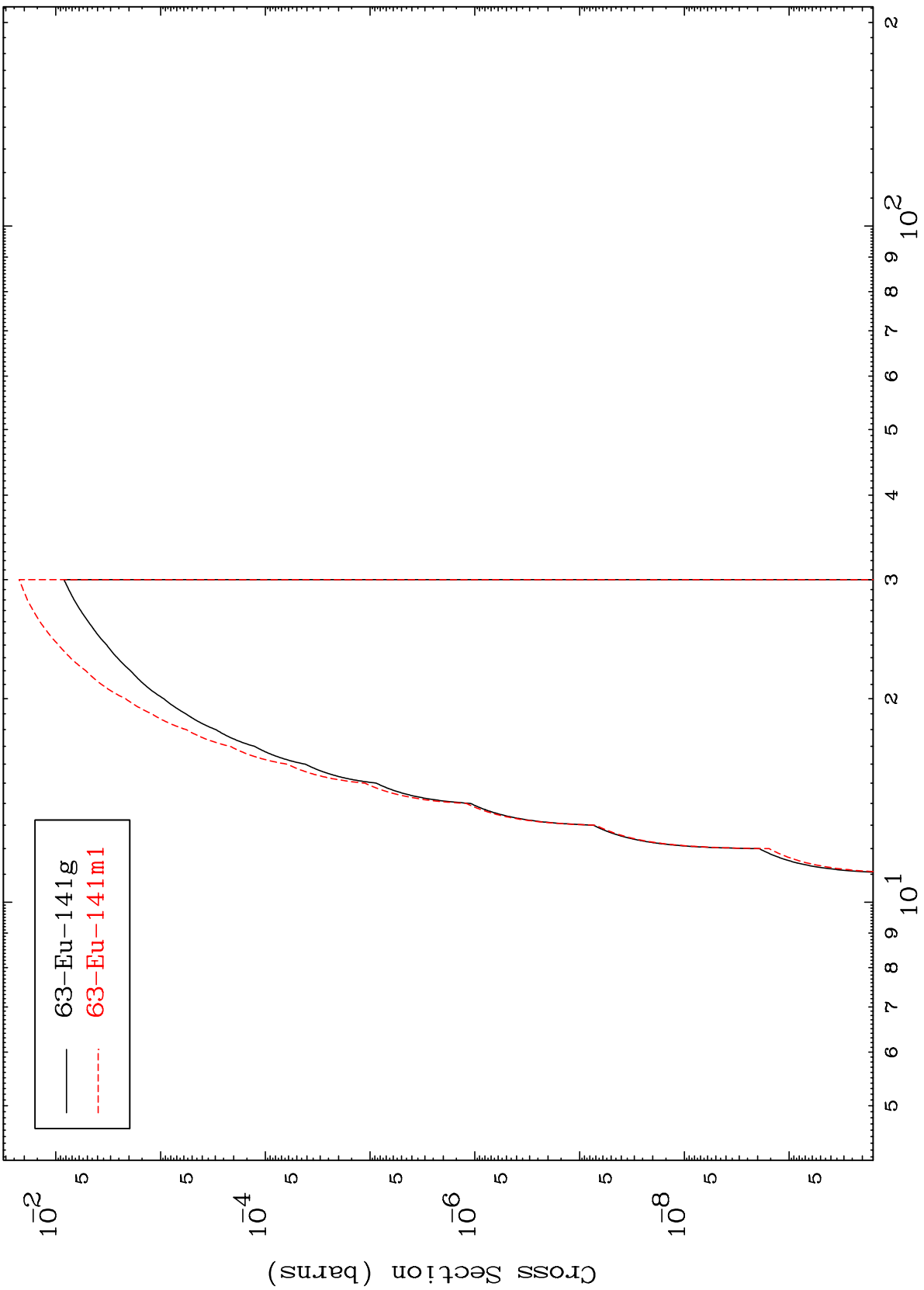
— 62-Sm-139g  
- - - 62-Sm-139m4

MAT 6395

(d,p) d

64-Gd-142

Radionuclide Production Cross Section



27

Incident Energy (MeV)

64-Gd-142