

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

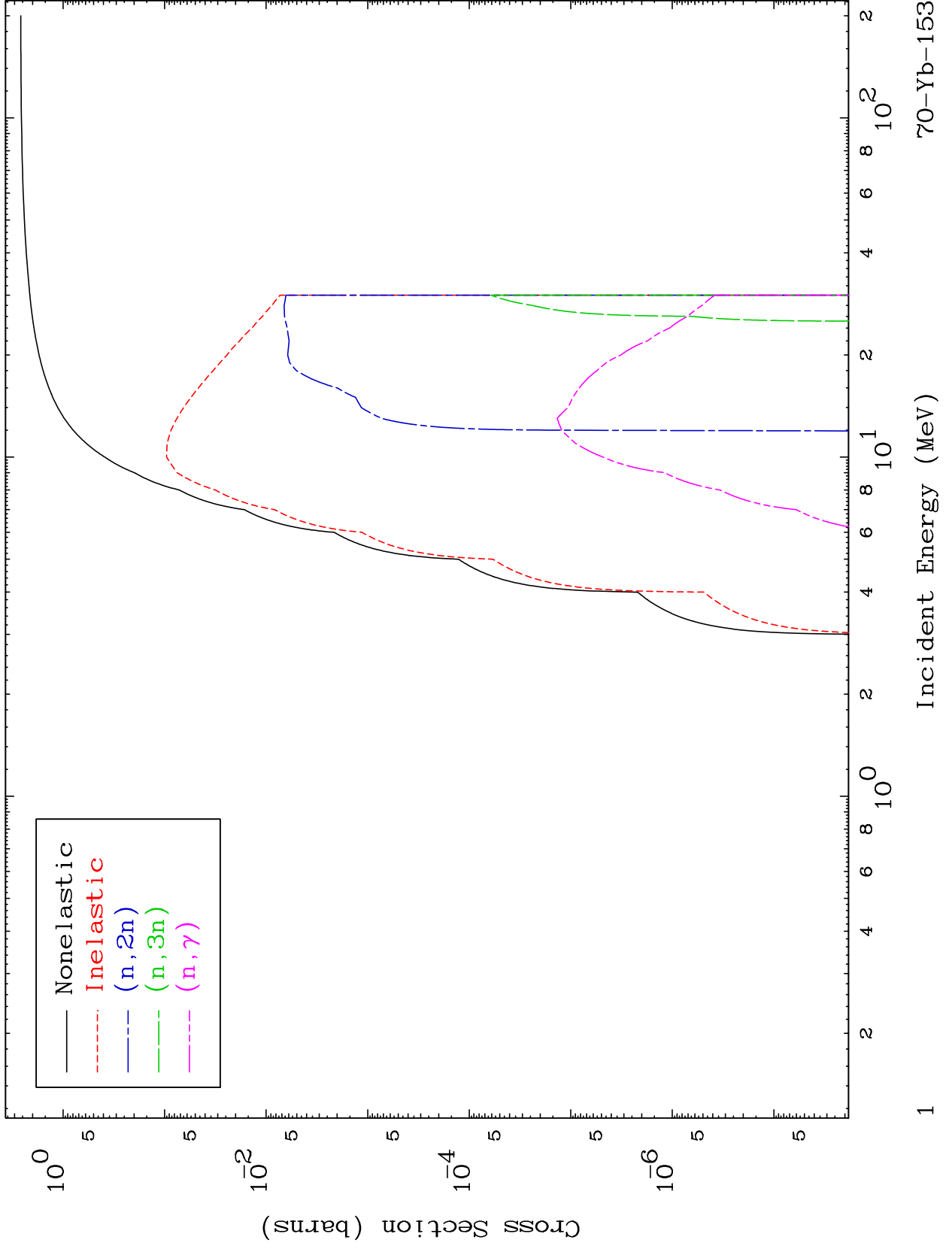
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Web:redcullen1.net/HOMEPAGE.NEW

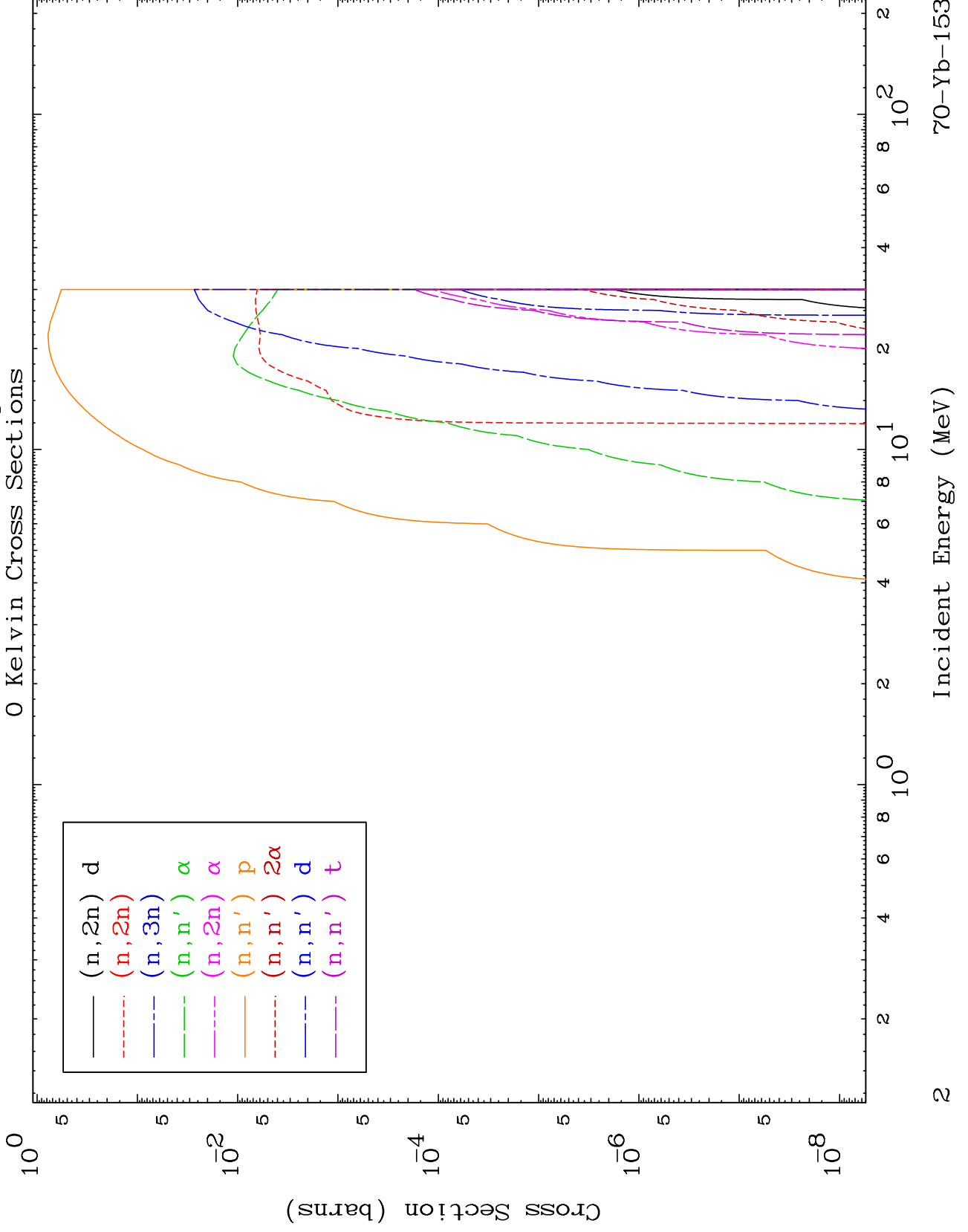
Press Mouse Button to Start

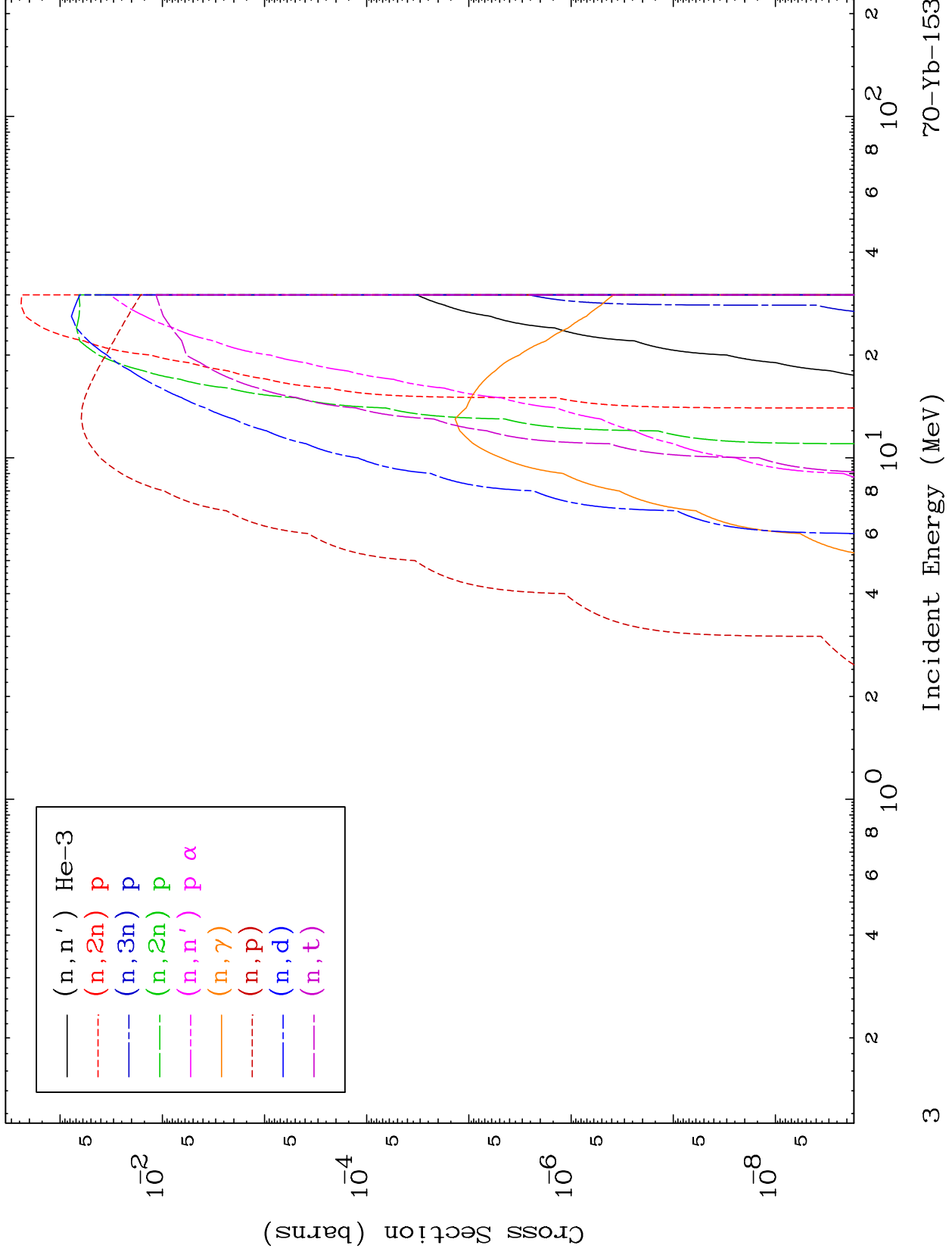


MAT 6980

Deuteron Neutron Absorption
0 Kelvin Cross Sections

70-Yb-153

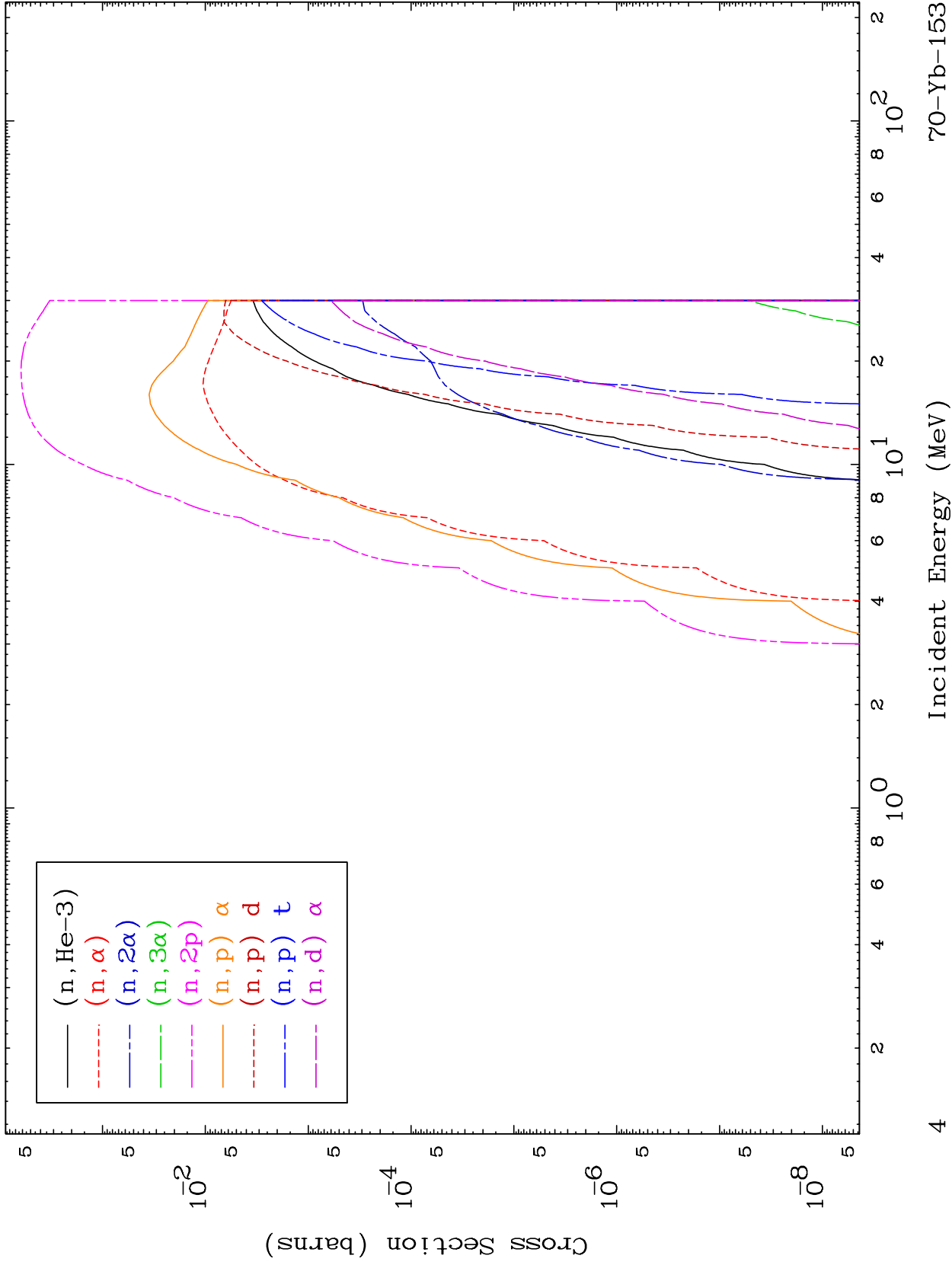


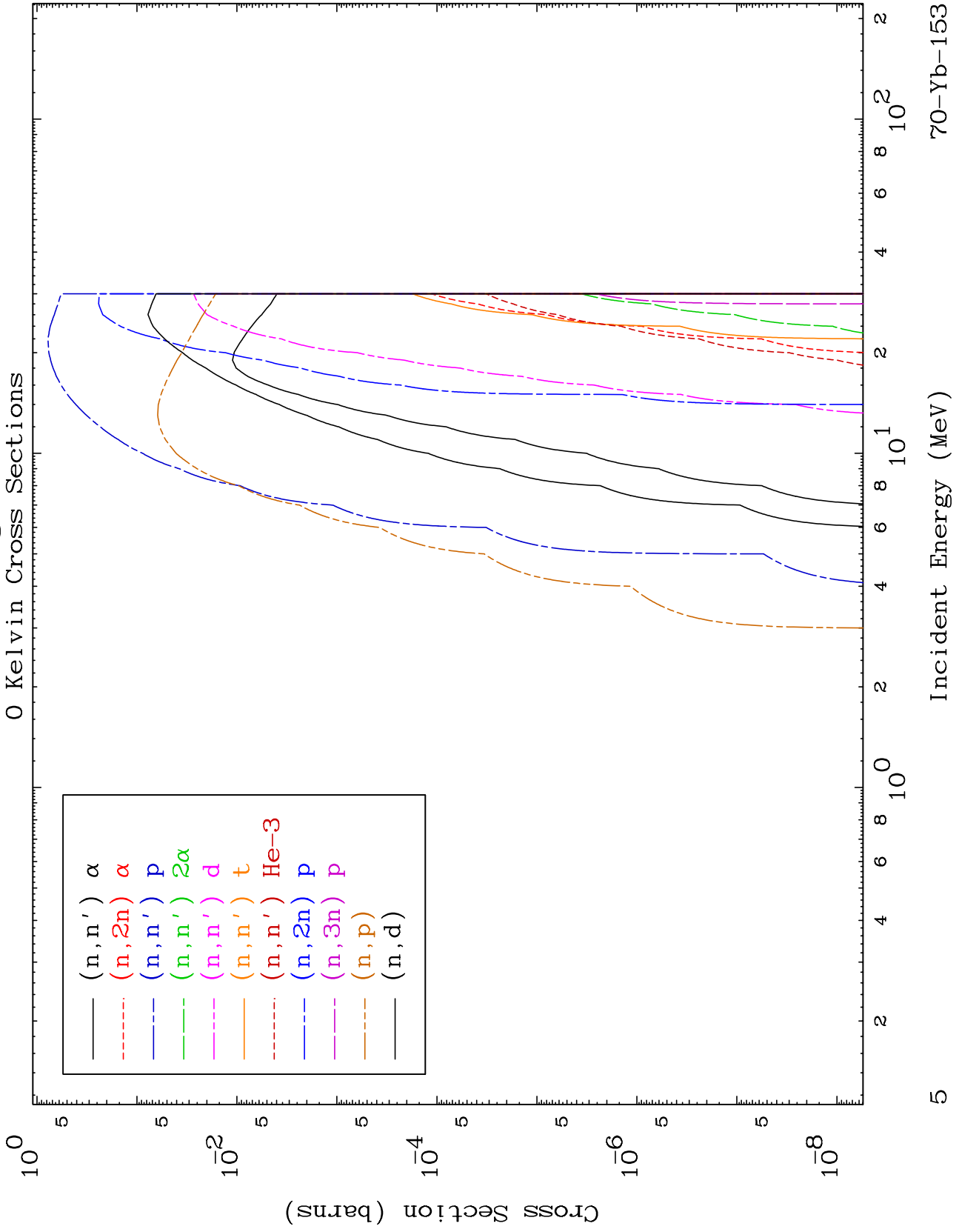


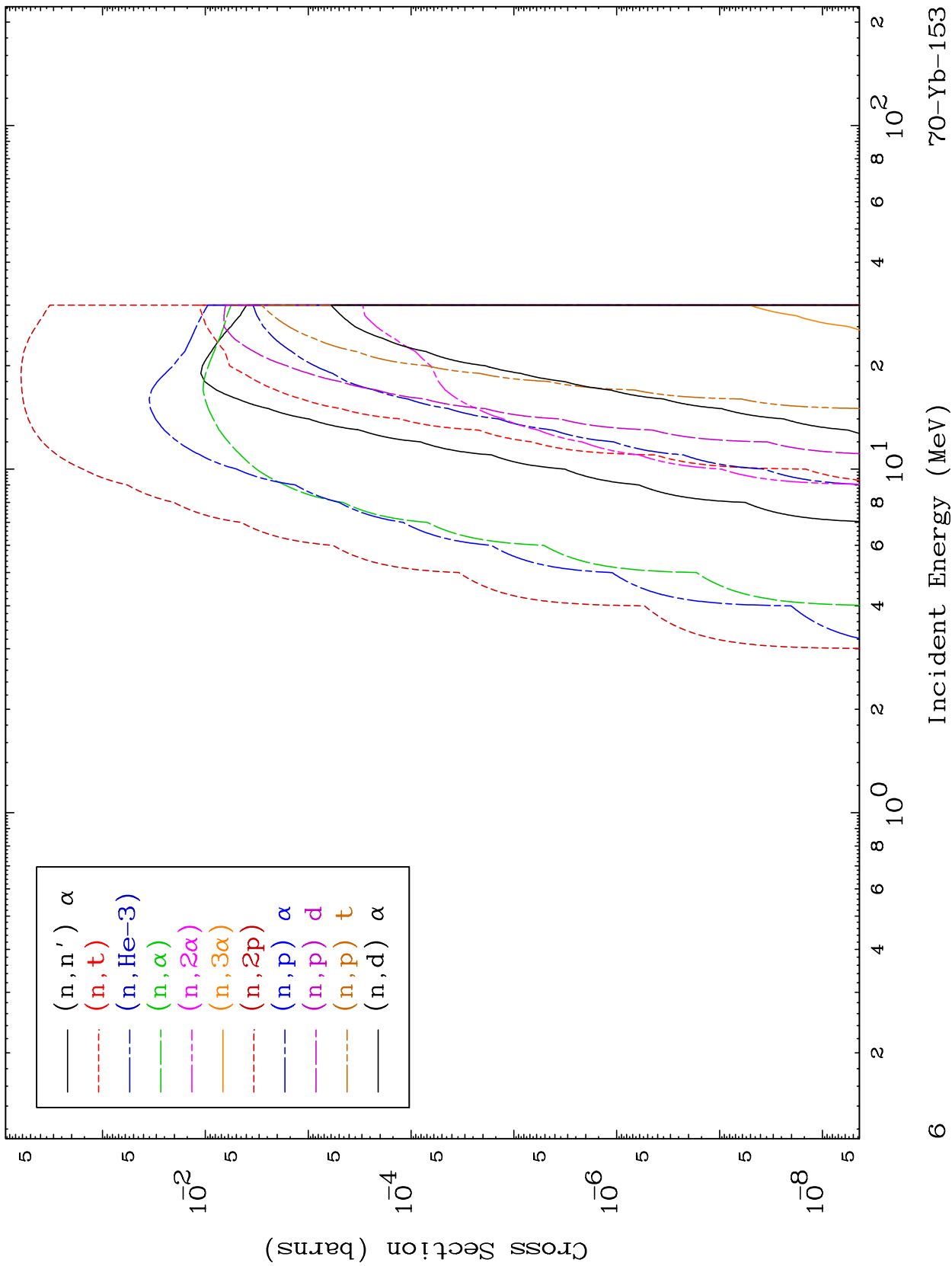
MAT 6980

Deuteron Neutron Absorption
0 Kelvin Cross Sections

70-Yb-153





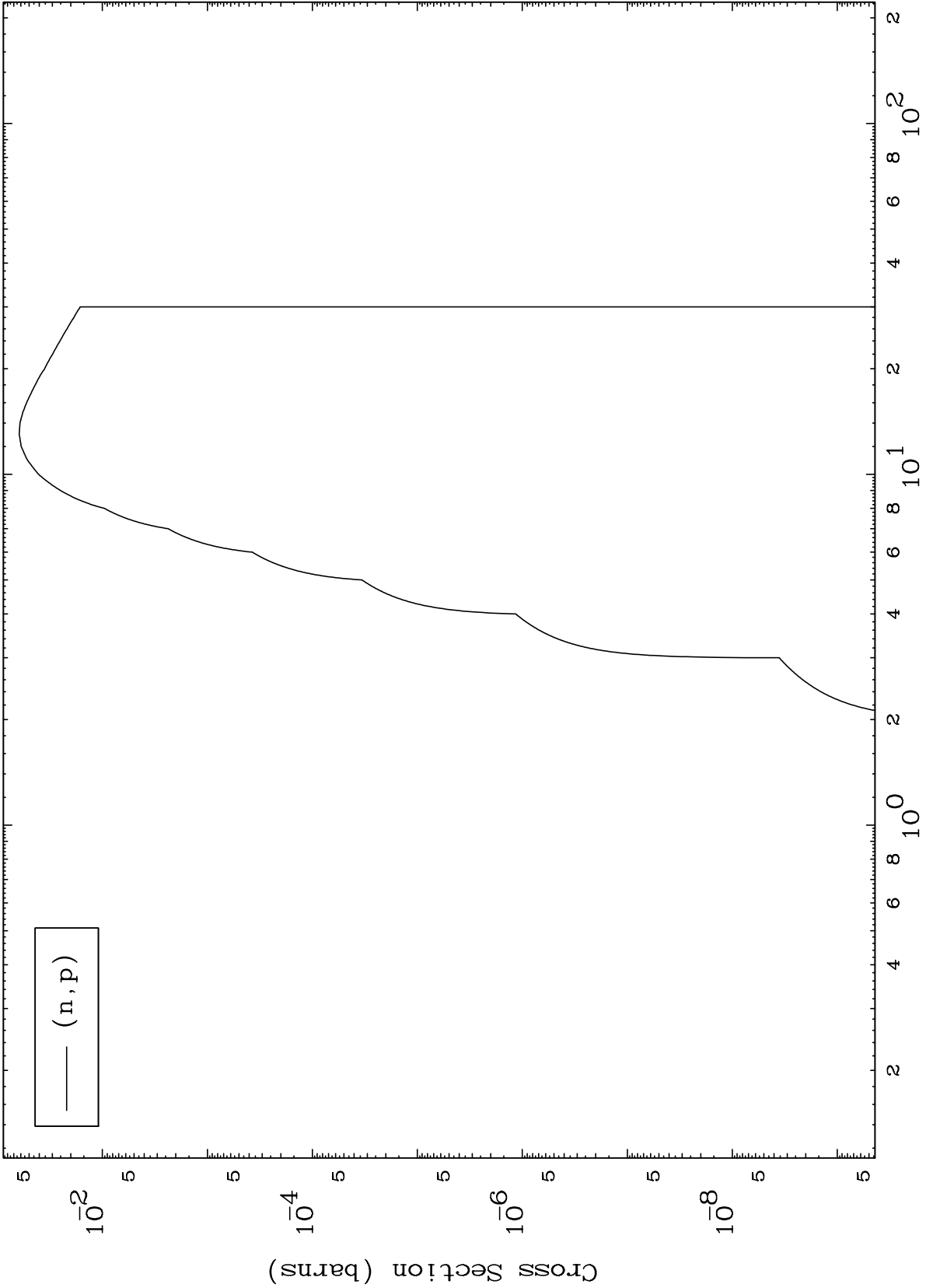


MAT 6980

(d,p) Levels

70-Yb-153

0 Kelvin Cross Sections

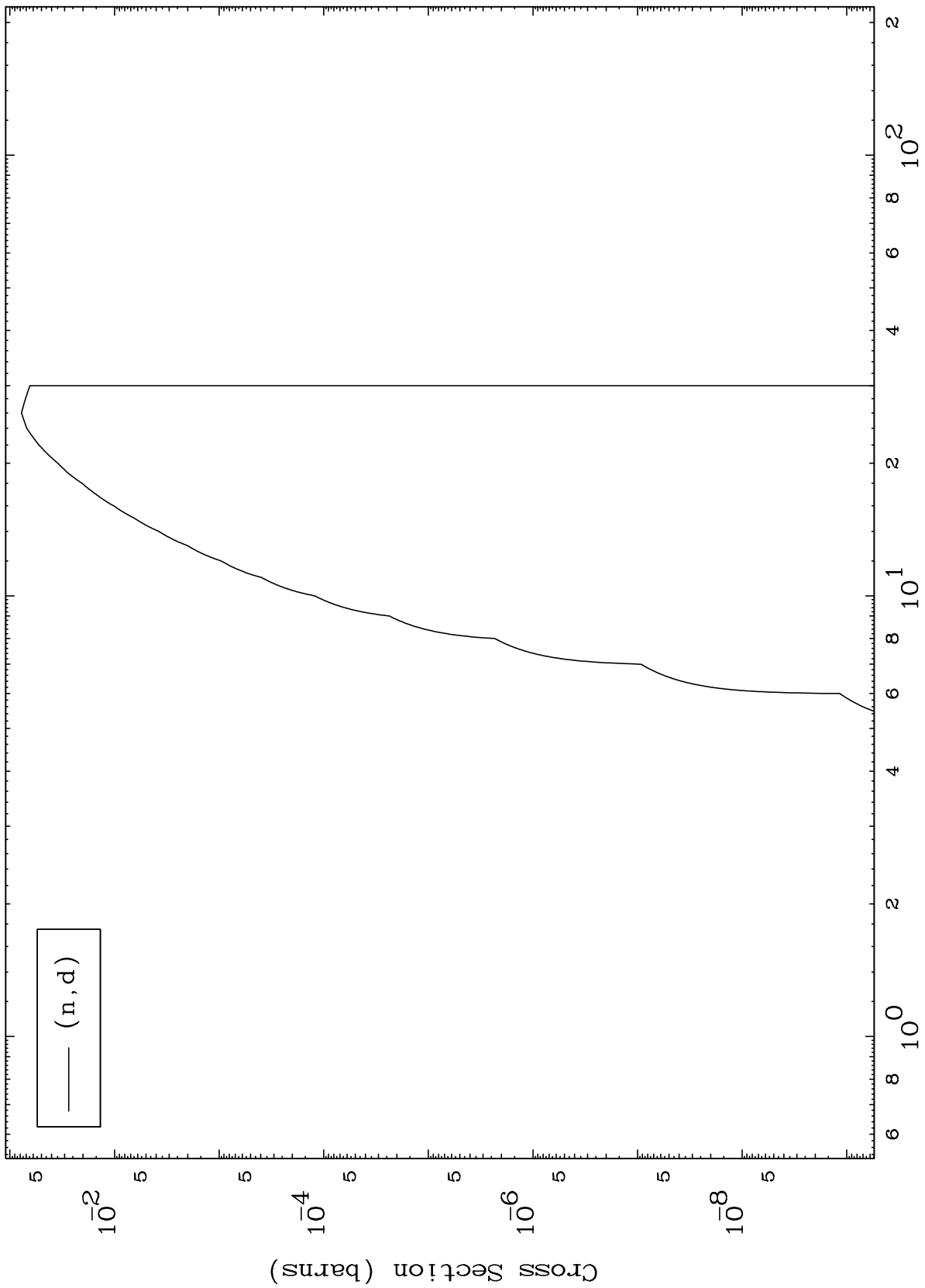


MAT 6980

(d,d) Levels

70-Yb-153

0 Kelvin Cross Sections



8

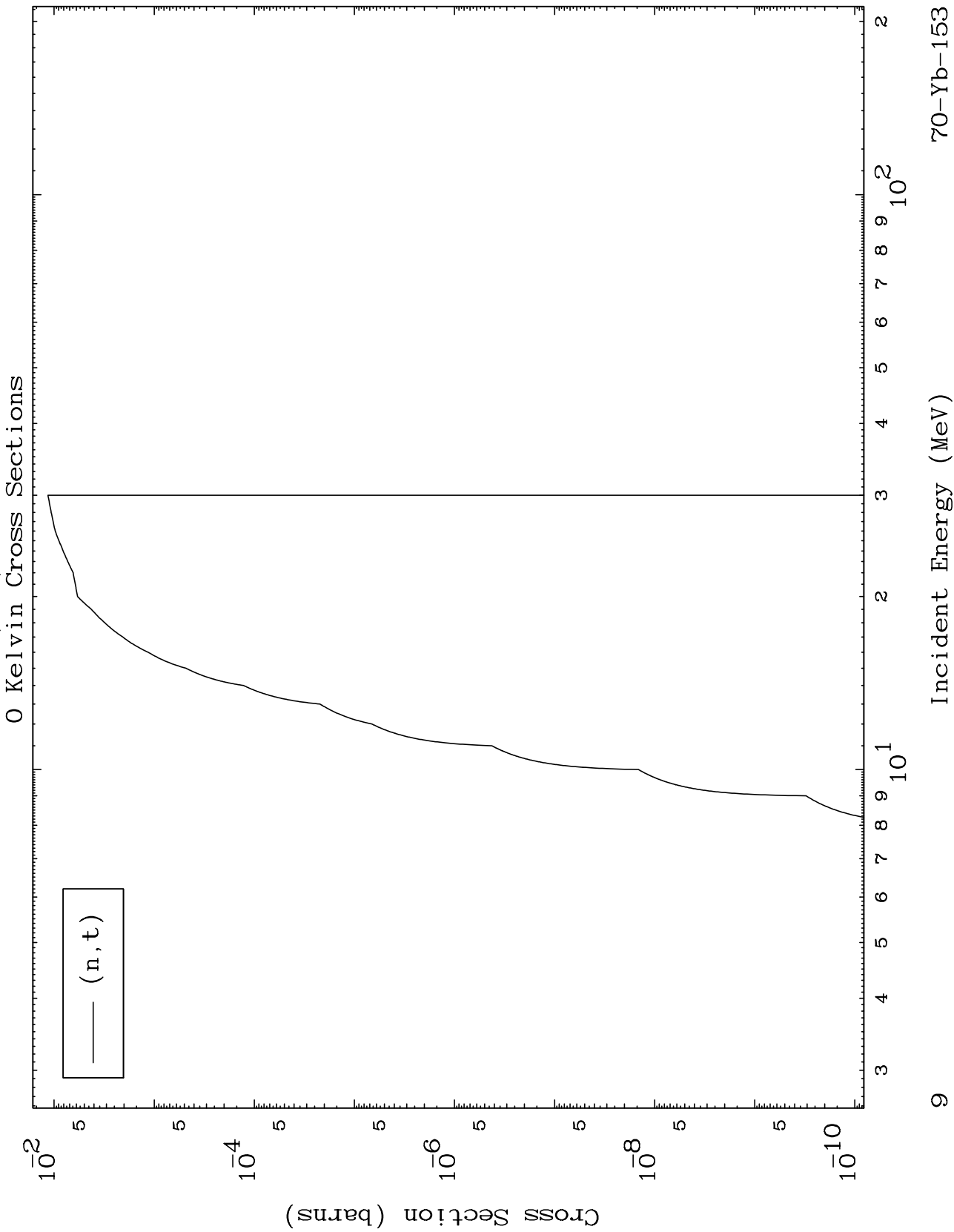
Incident Energy (MeV)

70-Yb-153

MAT 6980

(d, t) Levels

70-Yb-153

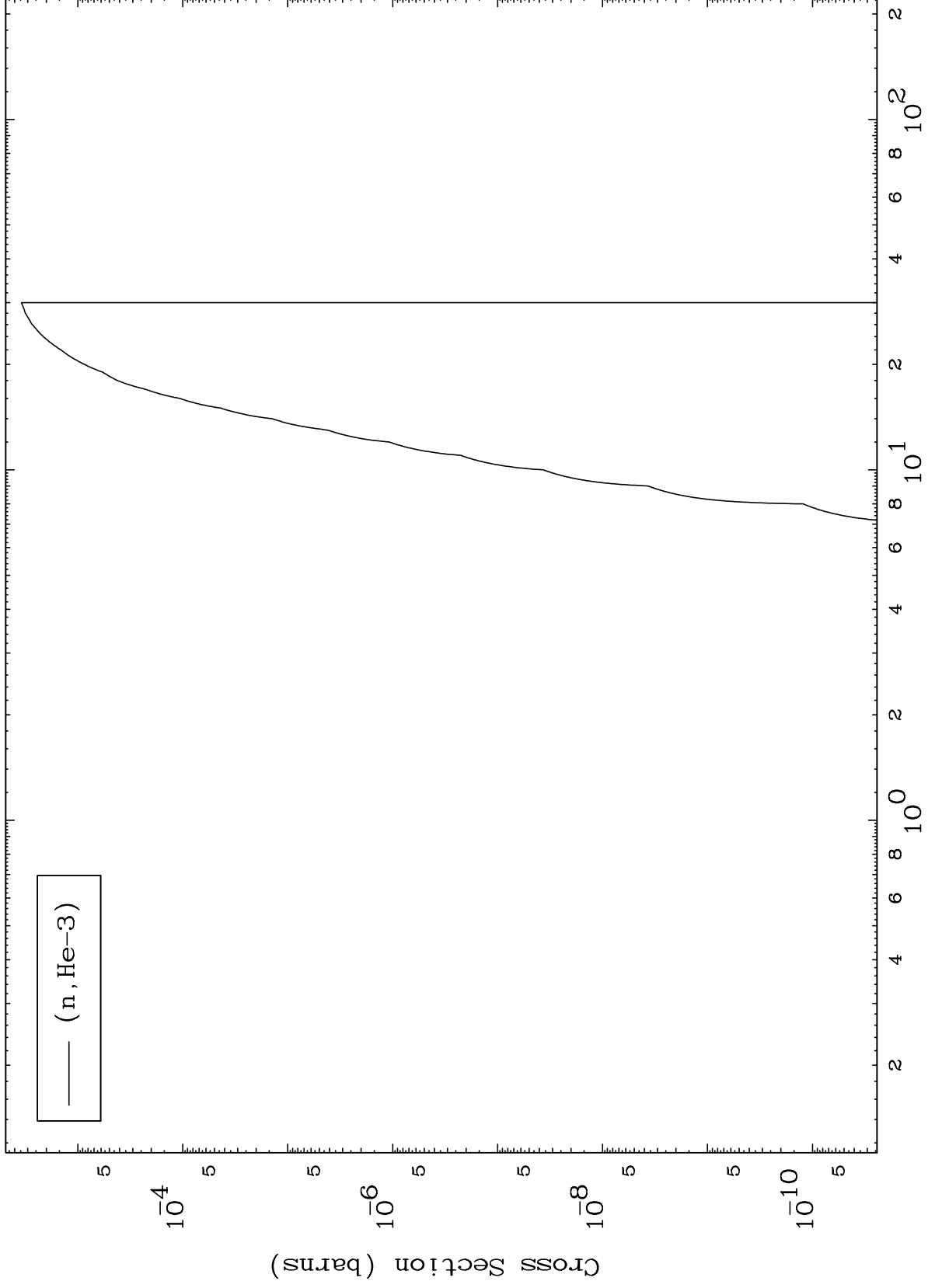


MAT 6980

(d,He3) Levels

70-Yb-153

0 Kelvin Cross Sections



10

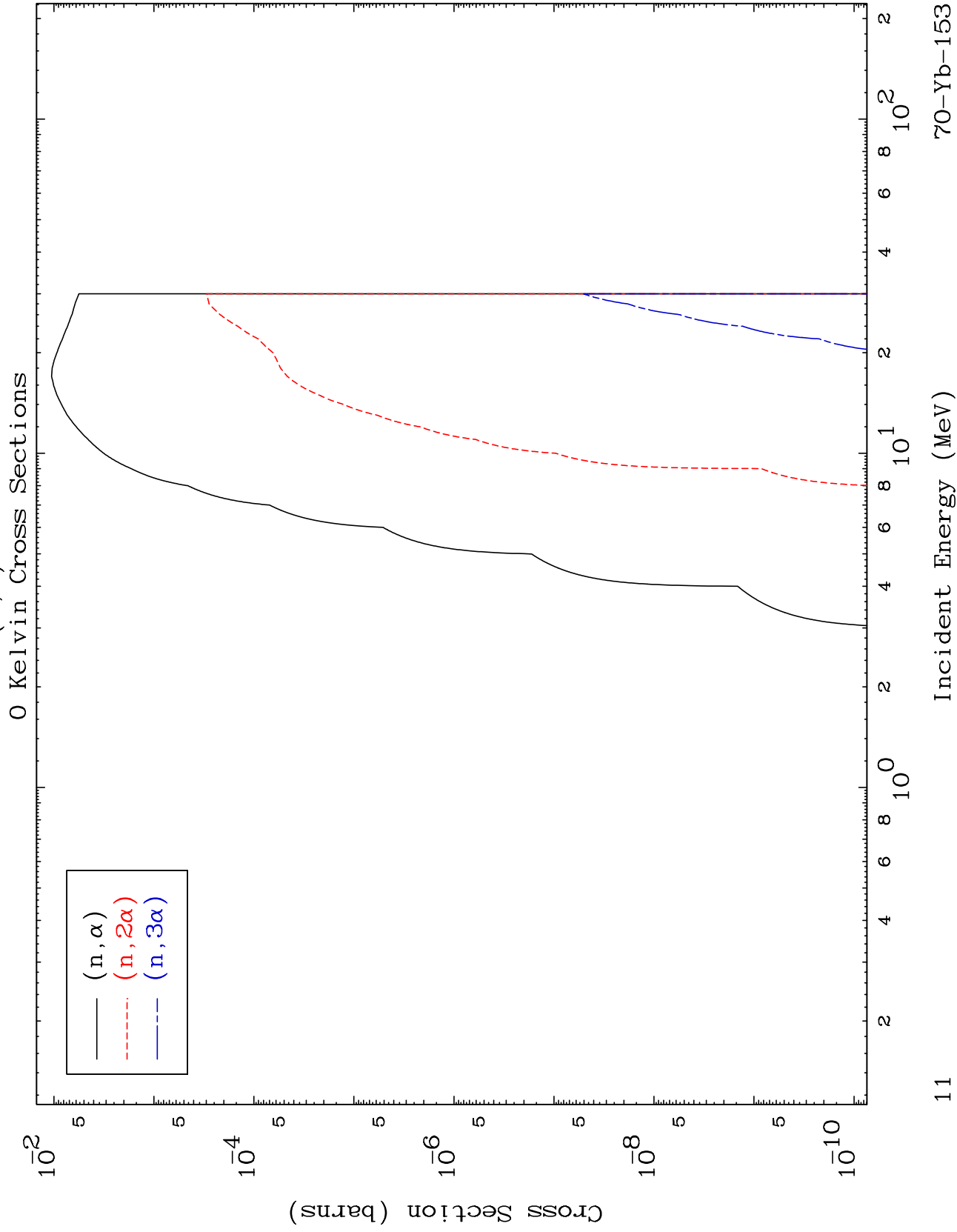
Incident Energy (MeV)

70-Yb-153

MAT 6980

(d, α) Levels

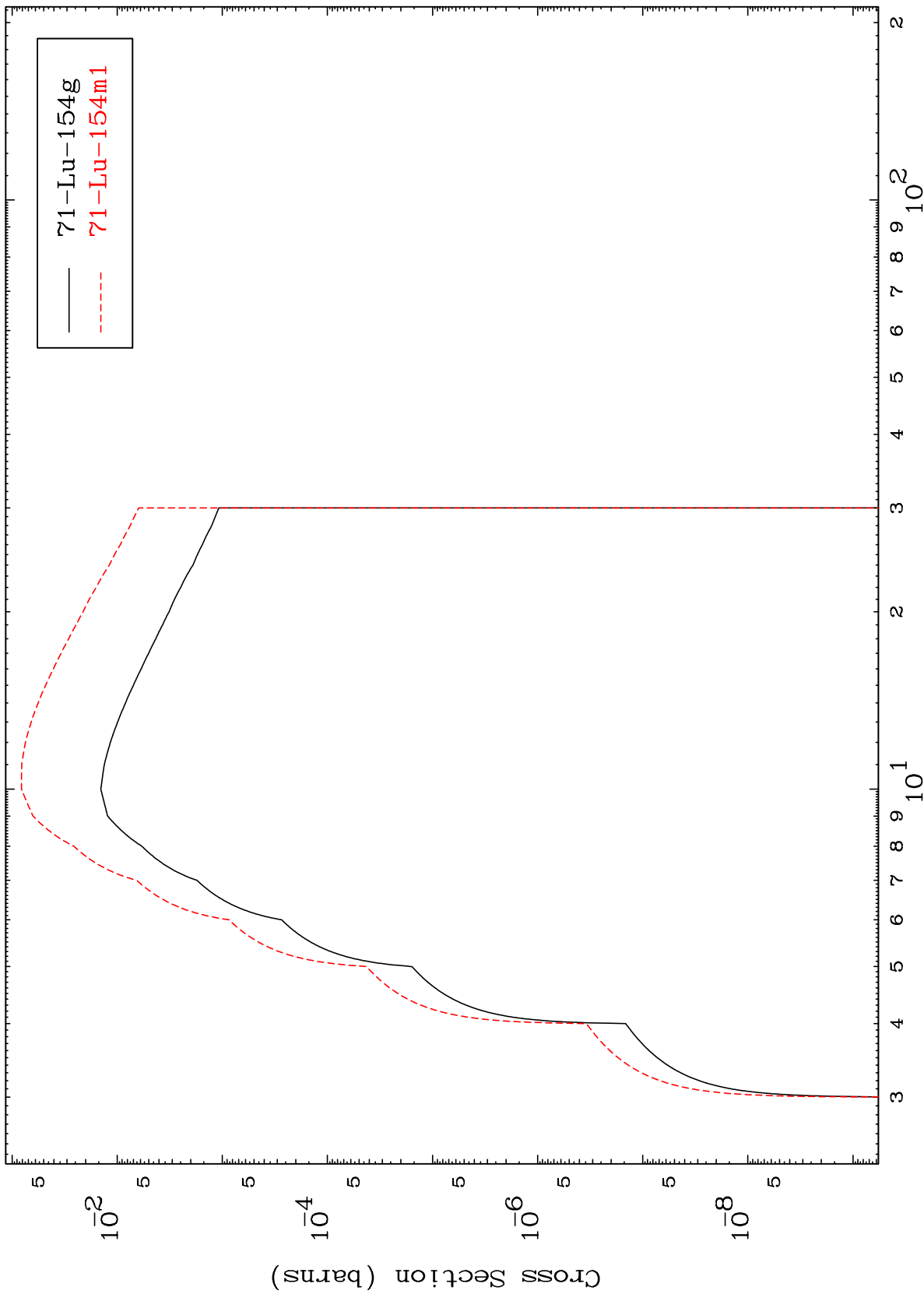
70-Yb-153



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70-Yb-153

Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

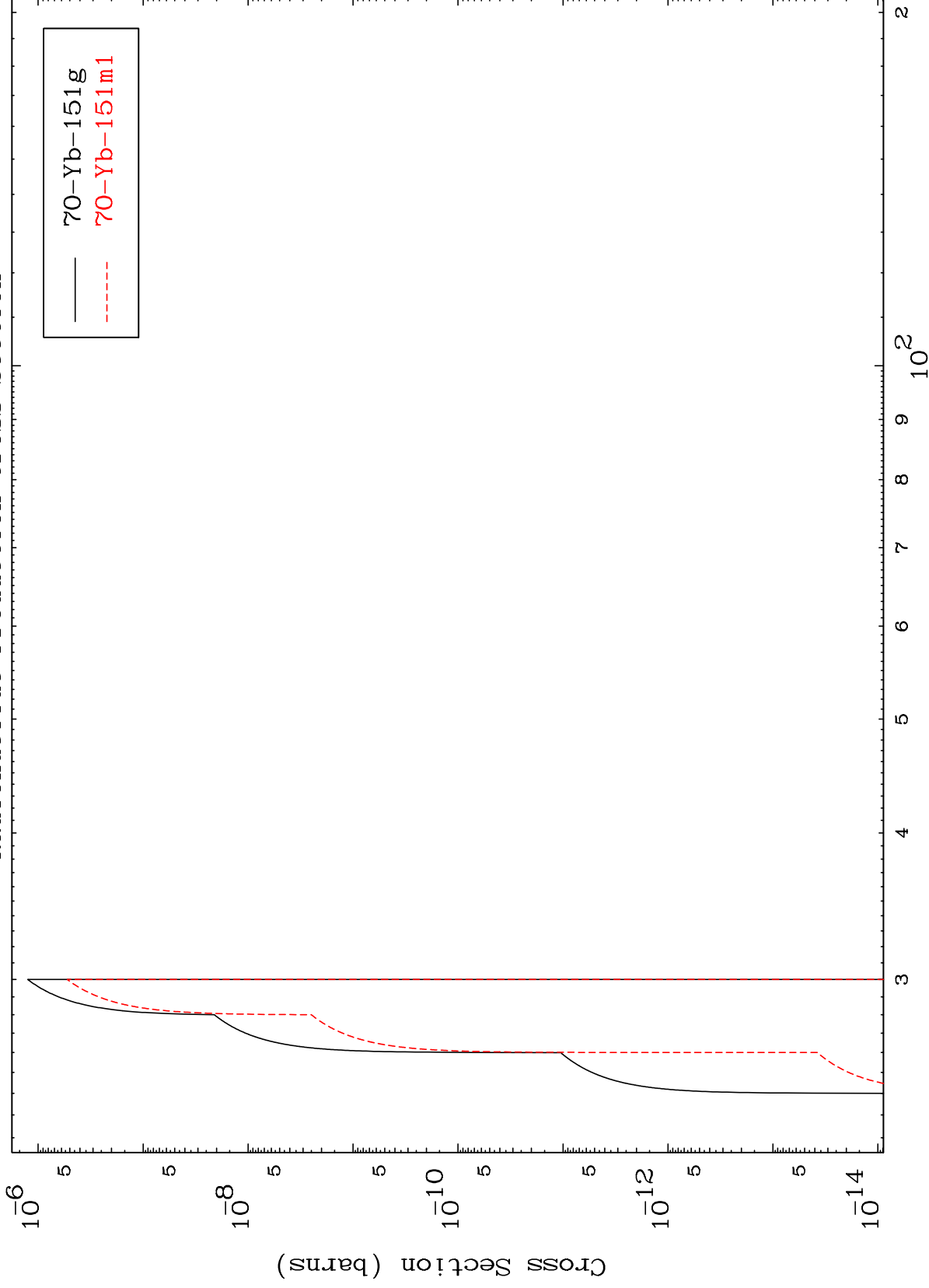
70-Yb-153

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(n,2n) d

70-Yb-153

Radionuclide Production Cross Section



13

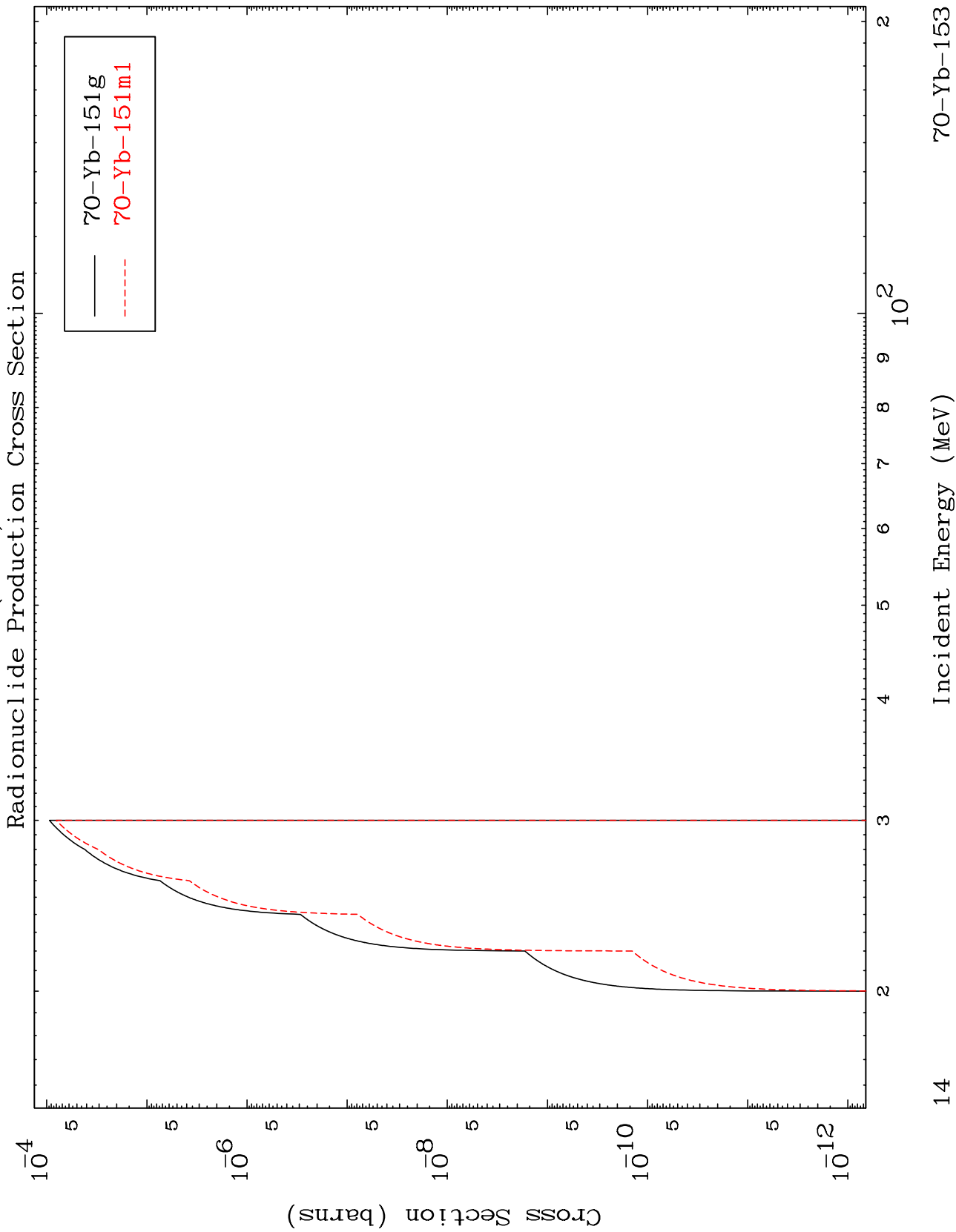
Incident Energy (MeV)

70-Yb-153

MAT 6980

(n,n') t

70-Yb-153



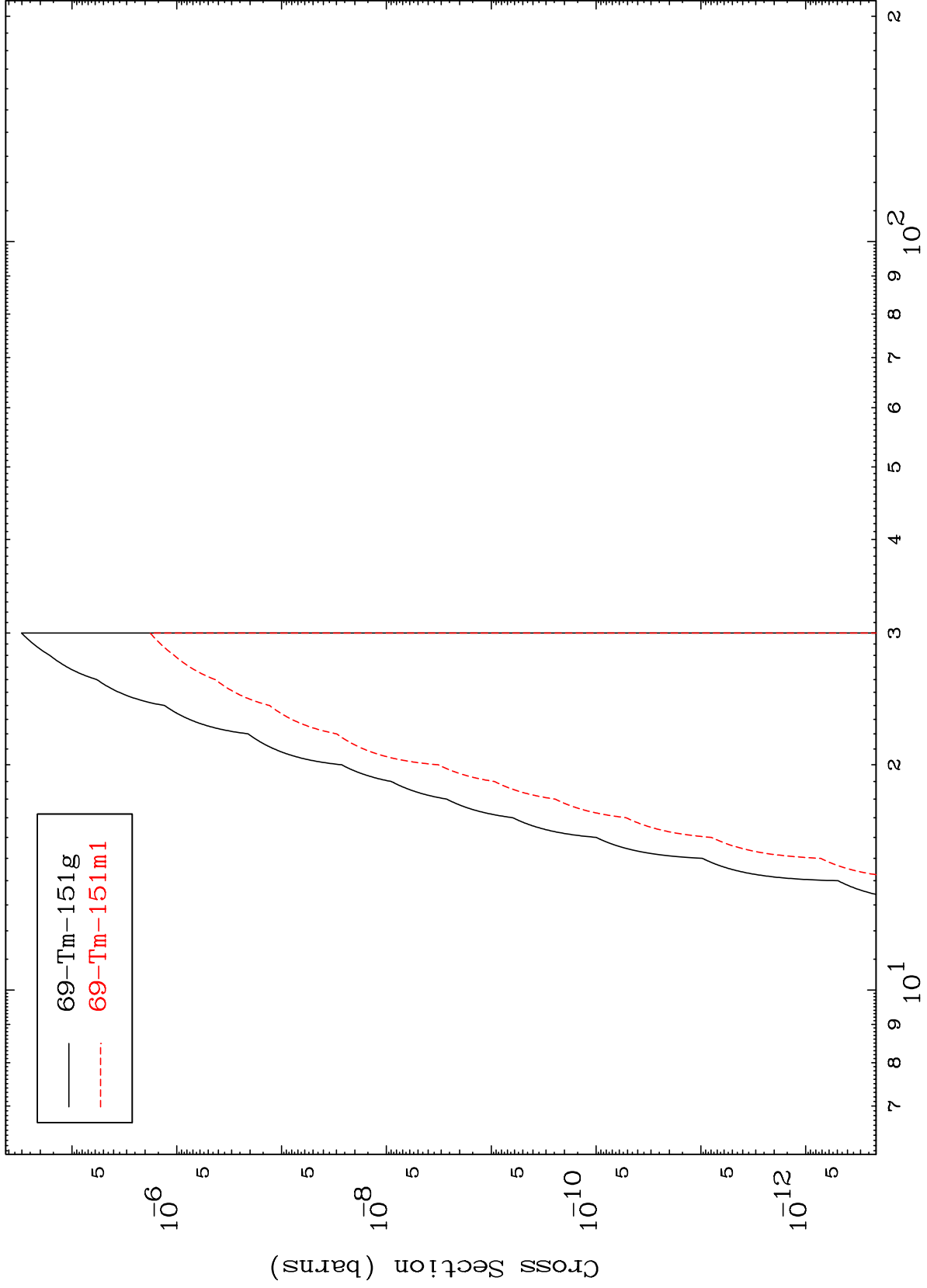
14

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(n,n') He-3

70-Yb-153

Radionuclide Production Cross Section

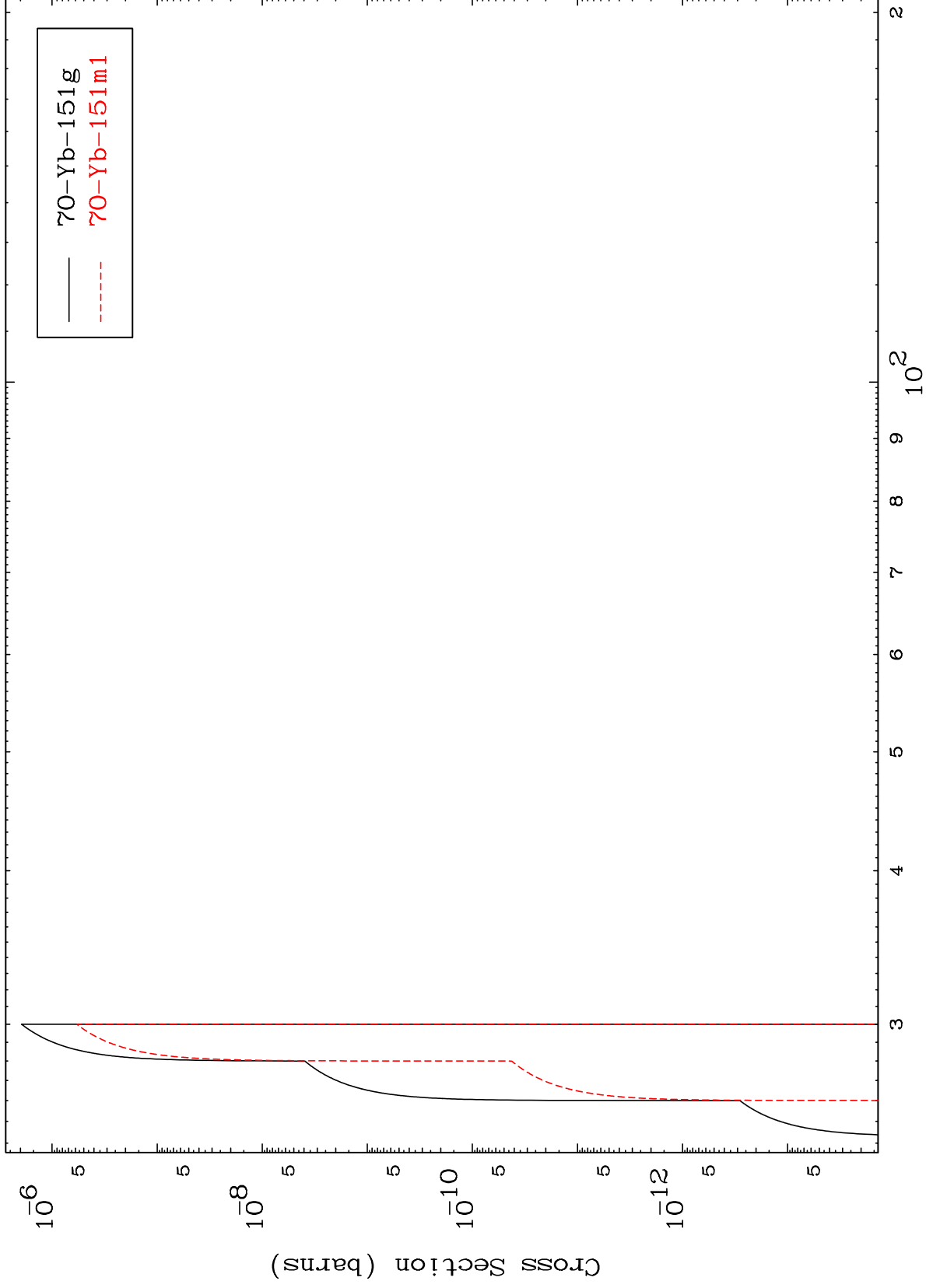


15

Incident Energy (MeV)

70-Yb-153

Radionuclide Production Cross Section

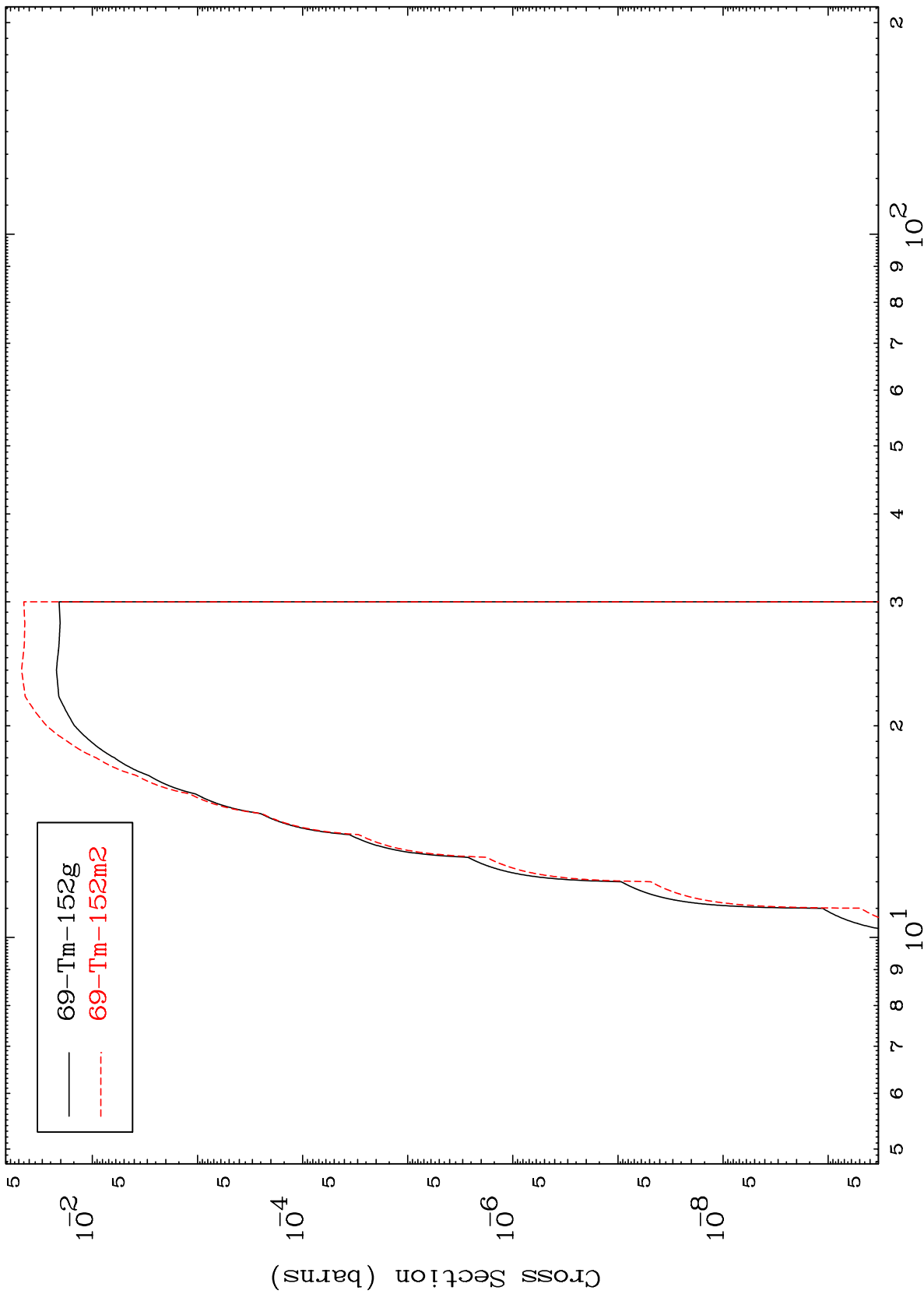


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(n,2n) p

70-Yb-153

Radionuclide Production Cross Section



17

Incident Energy (MeV)

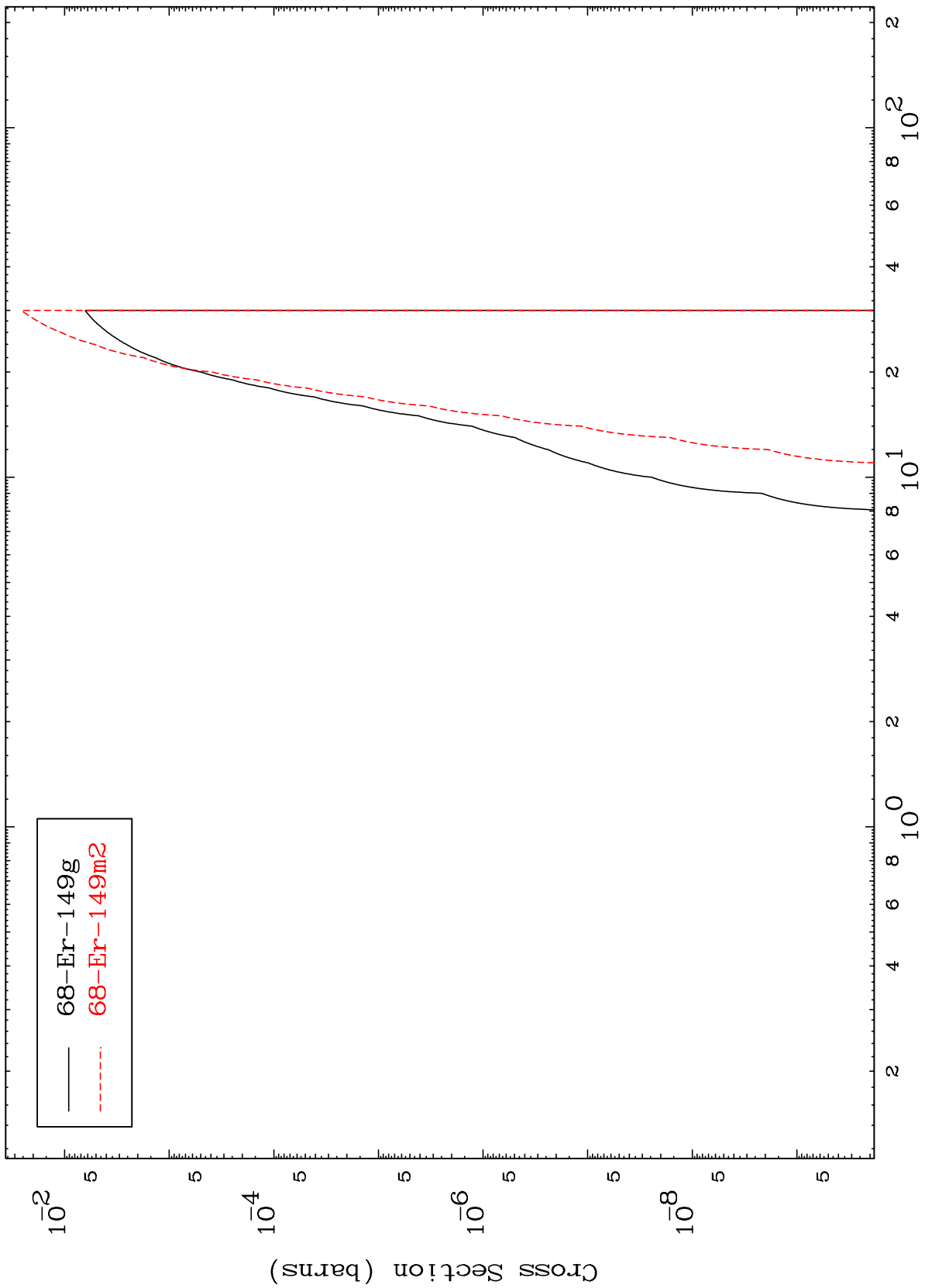
70-Yb-153

MAT 6980

(n,n') p α

70-Yb-153

Radionuclide Production Cross Section

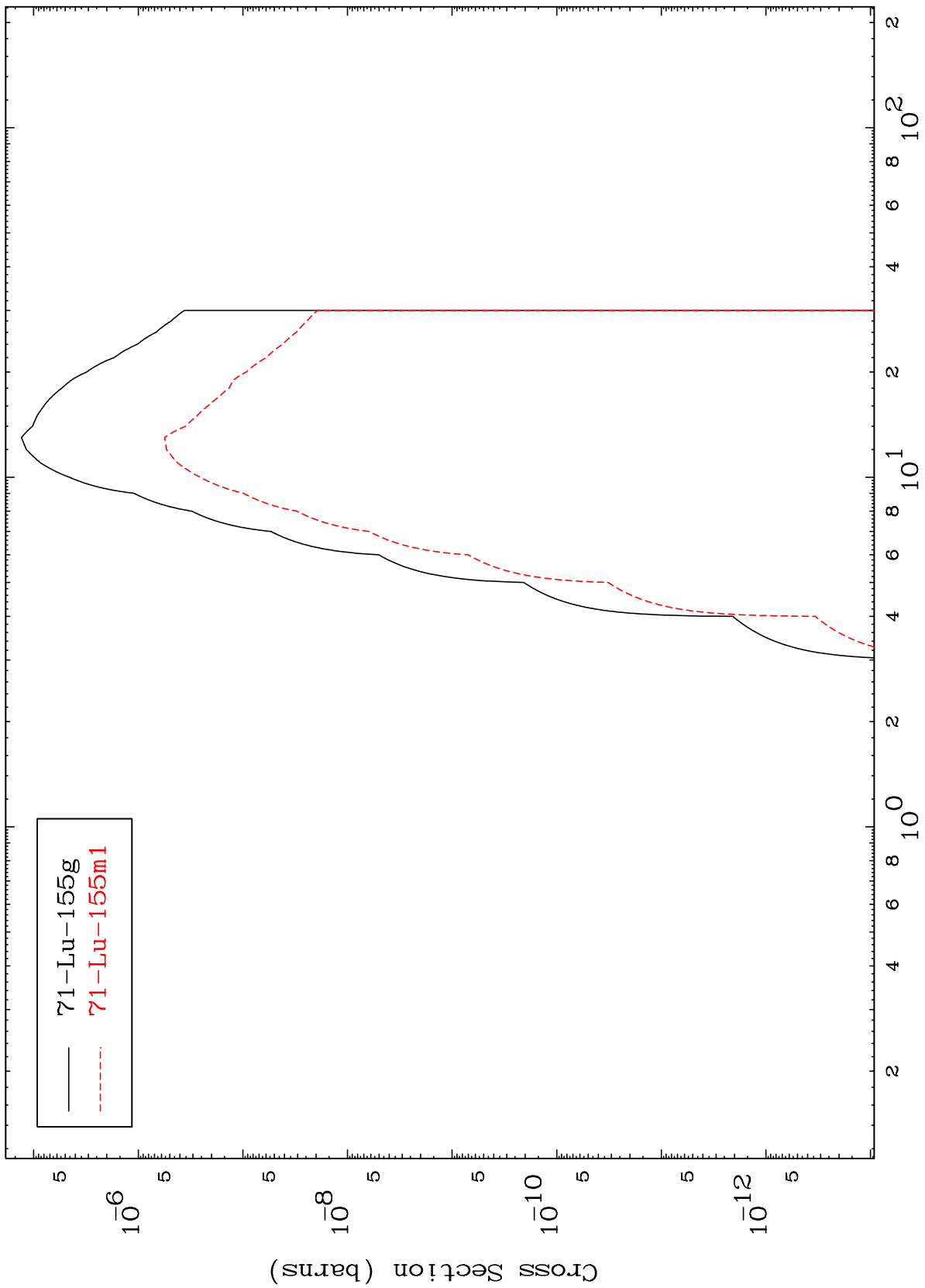


68-Er-149g
68-Er-149m2

MAT 6980

70-Yb-153

(n, γ)
Radionuclide Production Cross Section

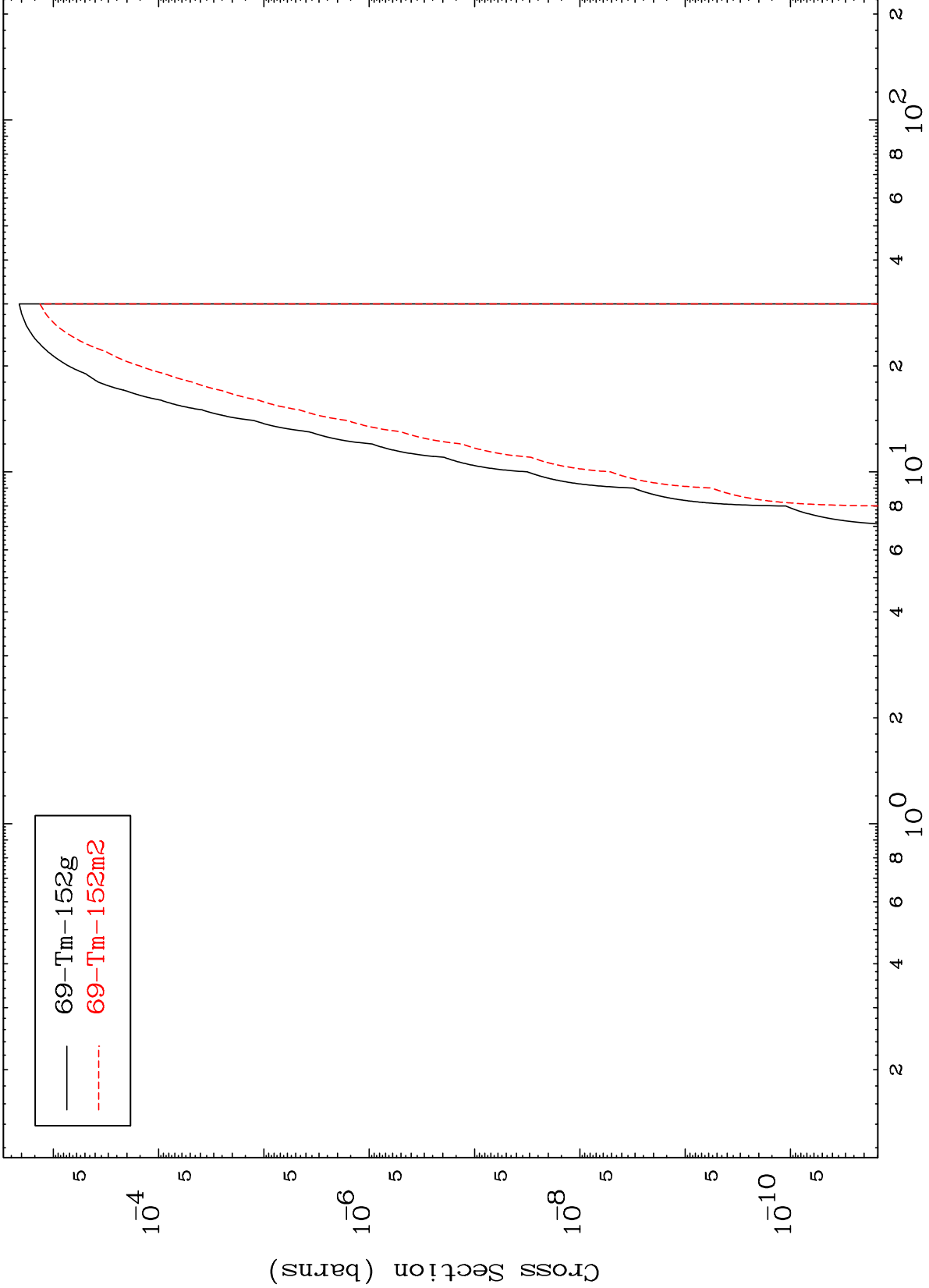


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(n,He-3)

70-Yb-153

Radionuclide Production Cross Section

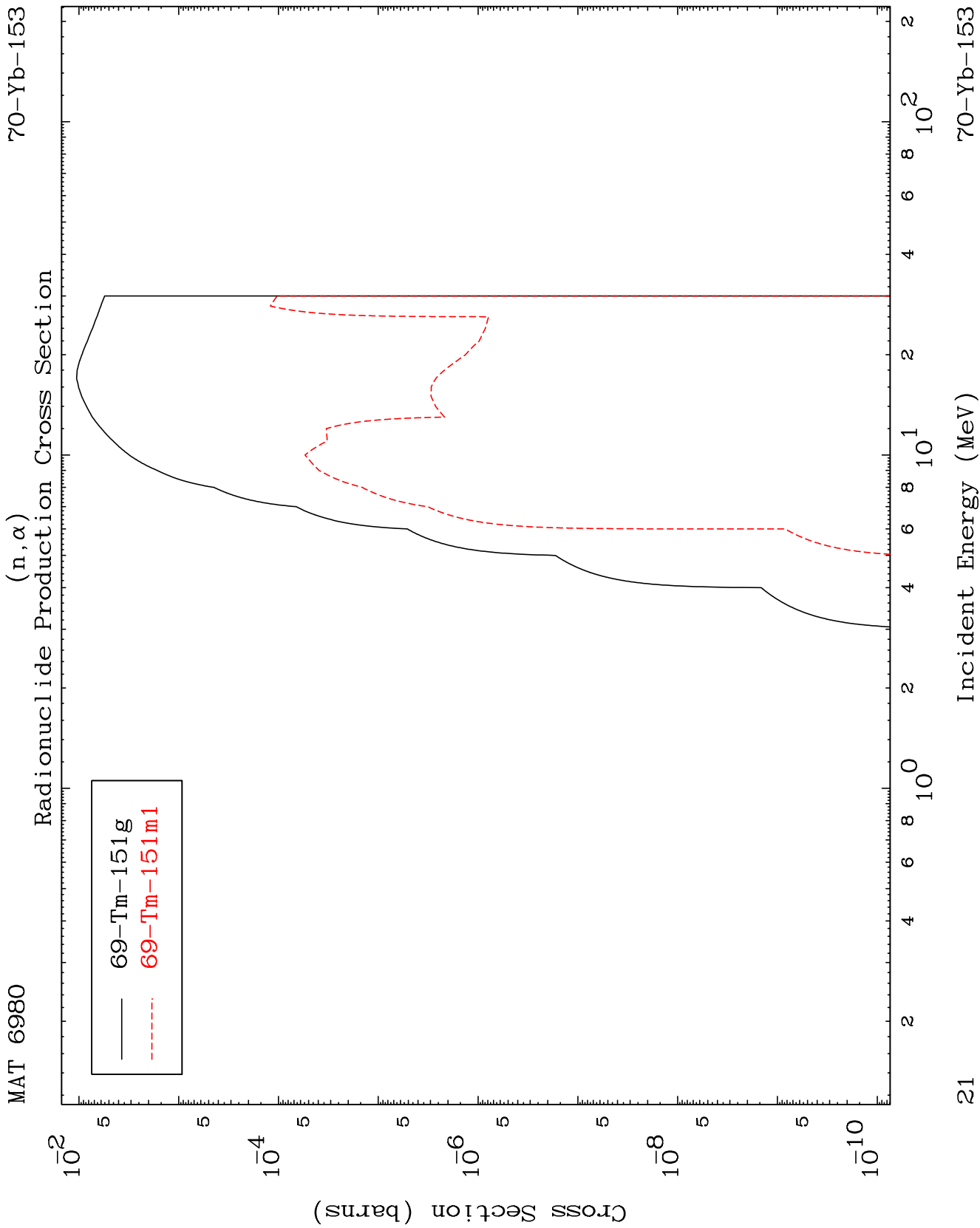


69-Tm-152g
69-Tm-152m2

20

Incident Energy (MeV)

70-Yb-153

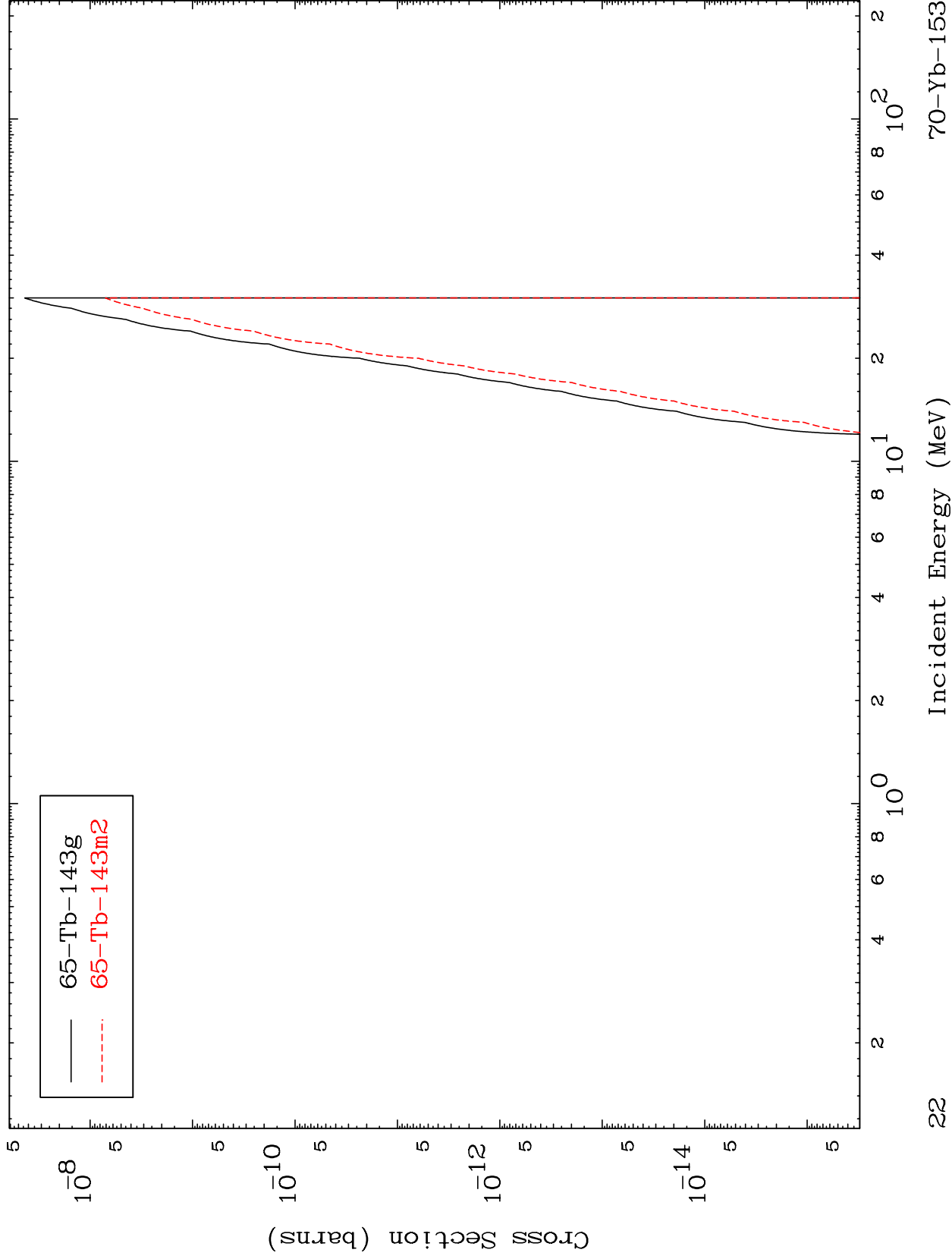


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(n, 3α)

70-Yb-153

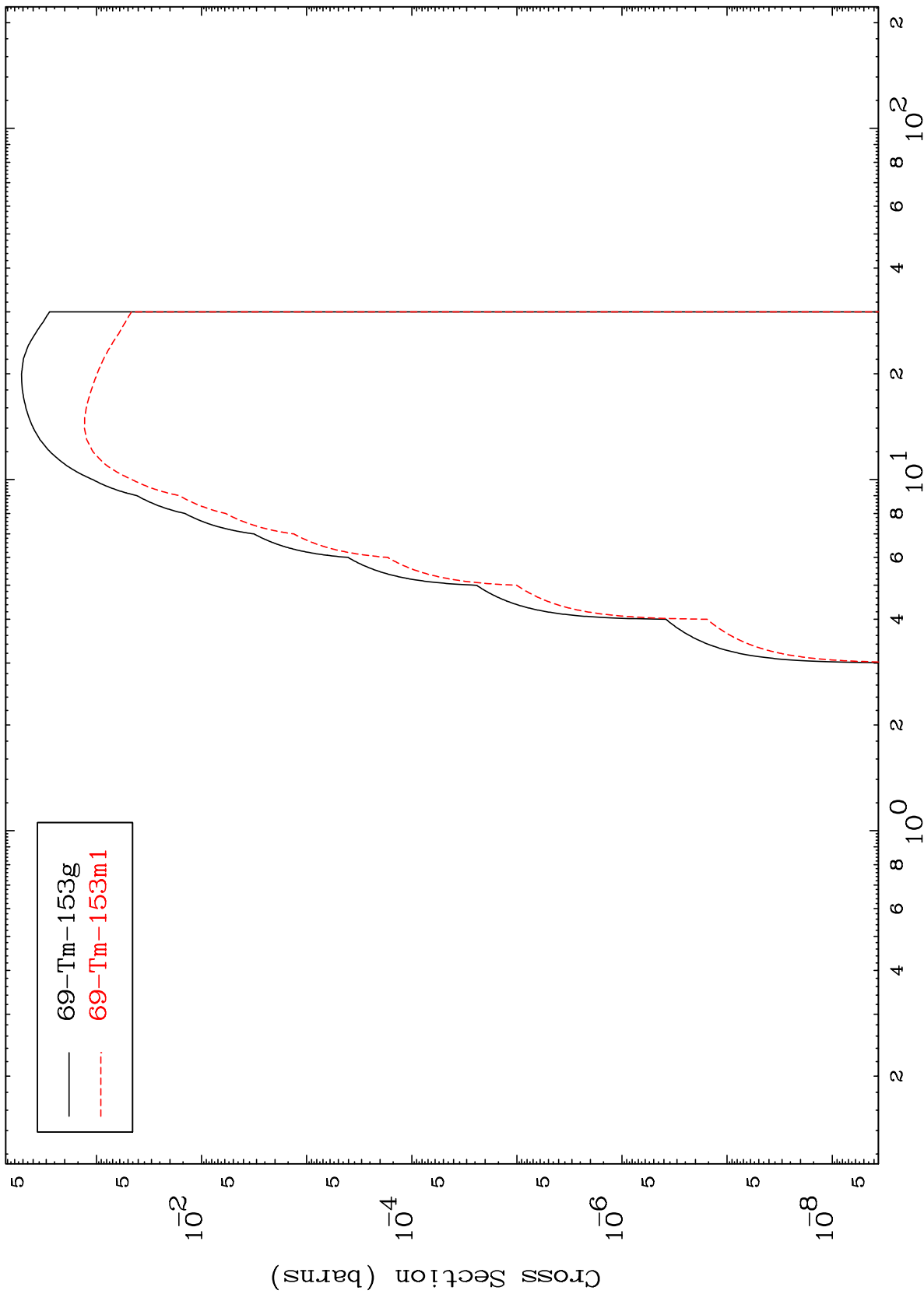
Radionuclide Production Cross Section



MAT 6980

70-Yb-153

(n,2p)
Radionuclide Production Cross Section



70-Yb-153

Incident Energy (MeV)

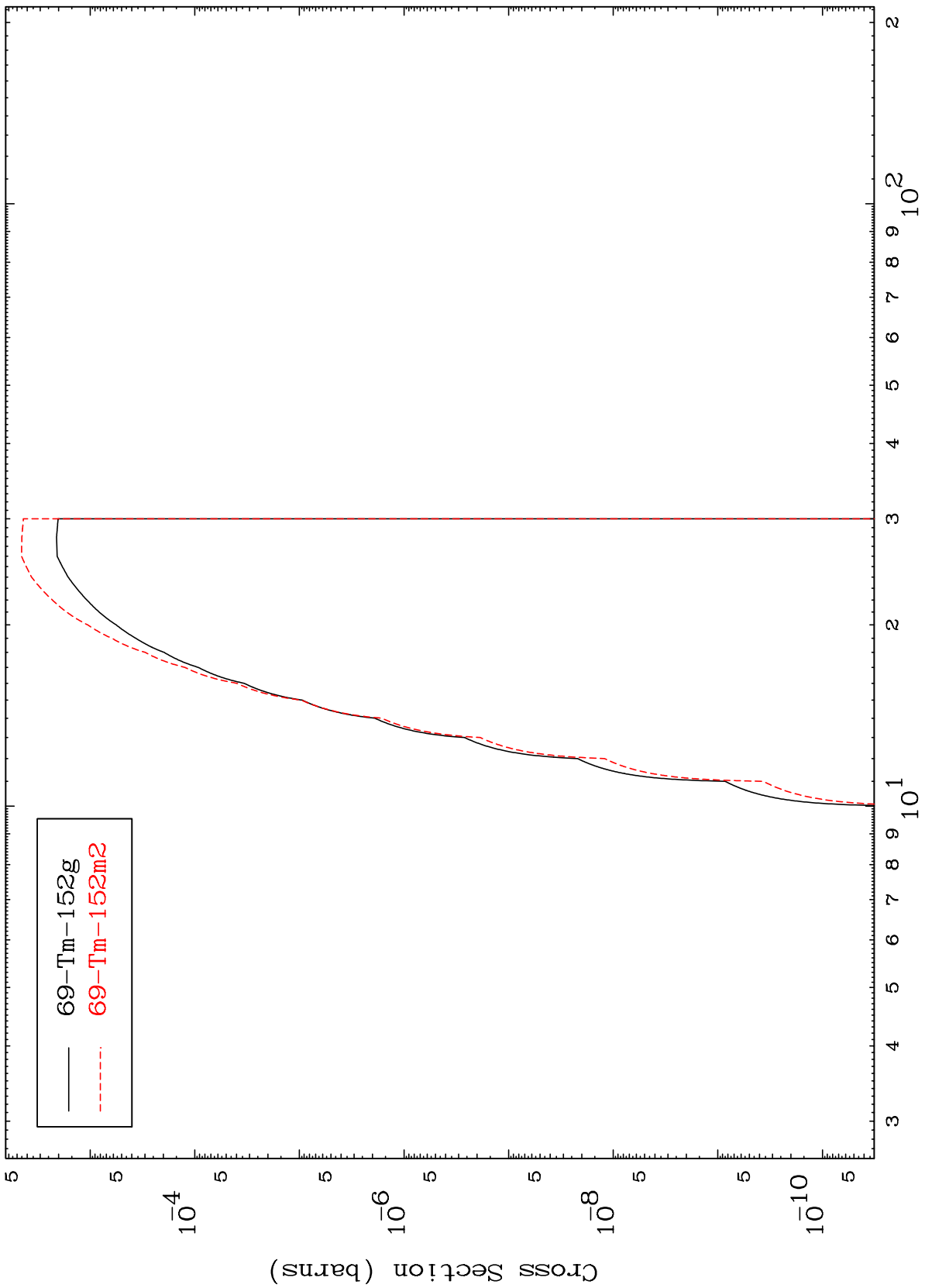
23

MAT 6980

(n,p) d

70-Yb-153

Radionuclide Production Cross Section



24

Incident Energy (MeV)

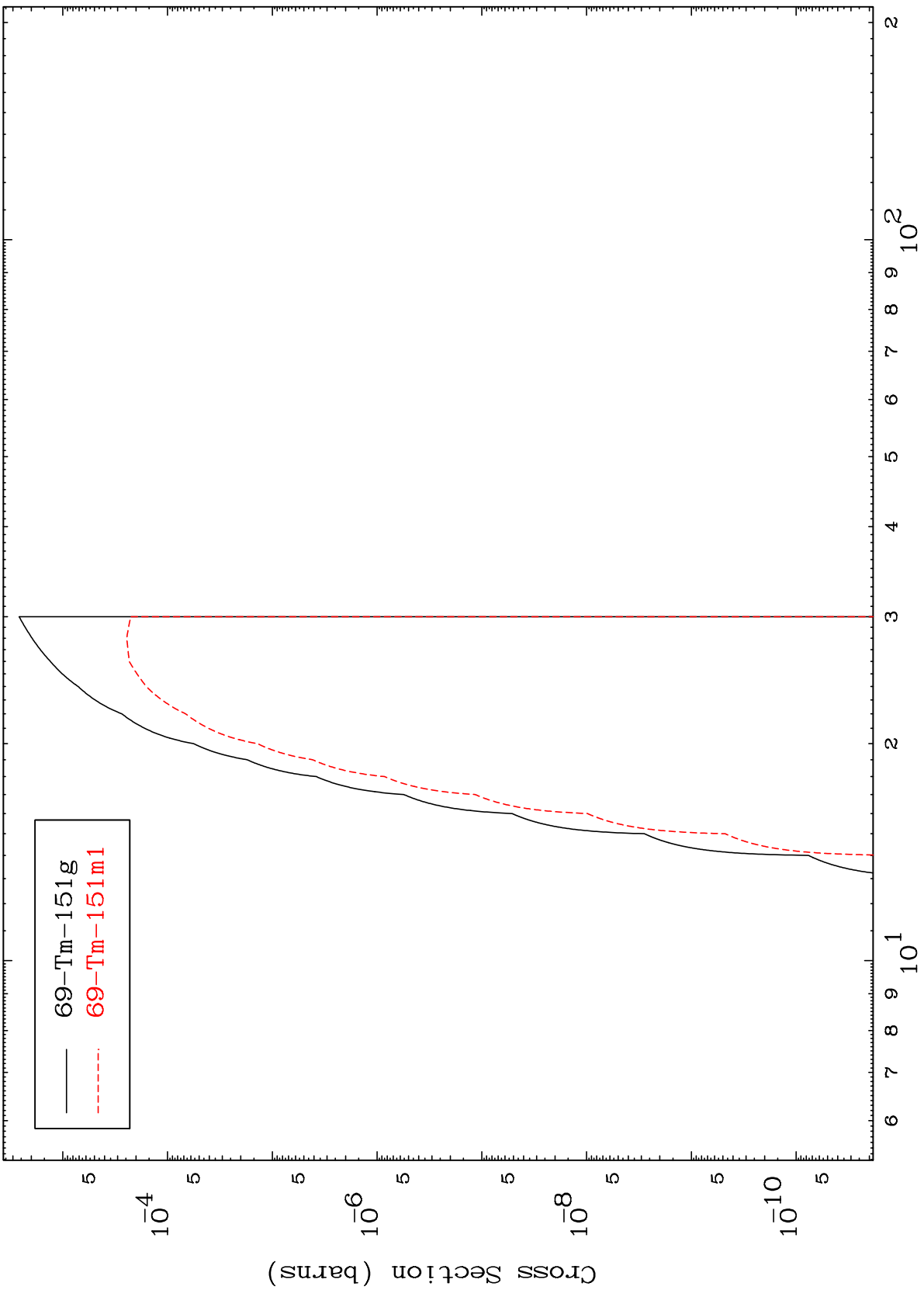
70-Yb-153

MAT 6980

(n,p) t

70-Yb-153

Radionuclide Production Cross Section



25

Incident Energy (MeV)

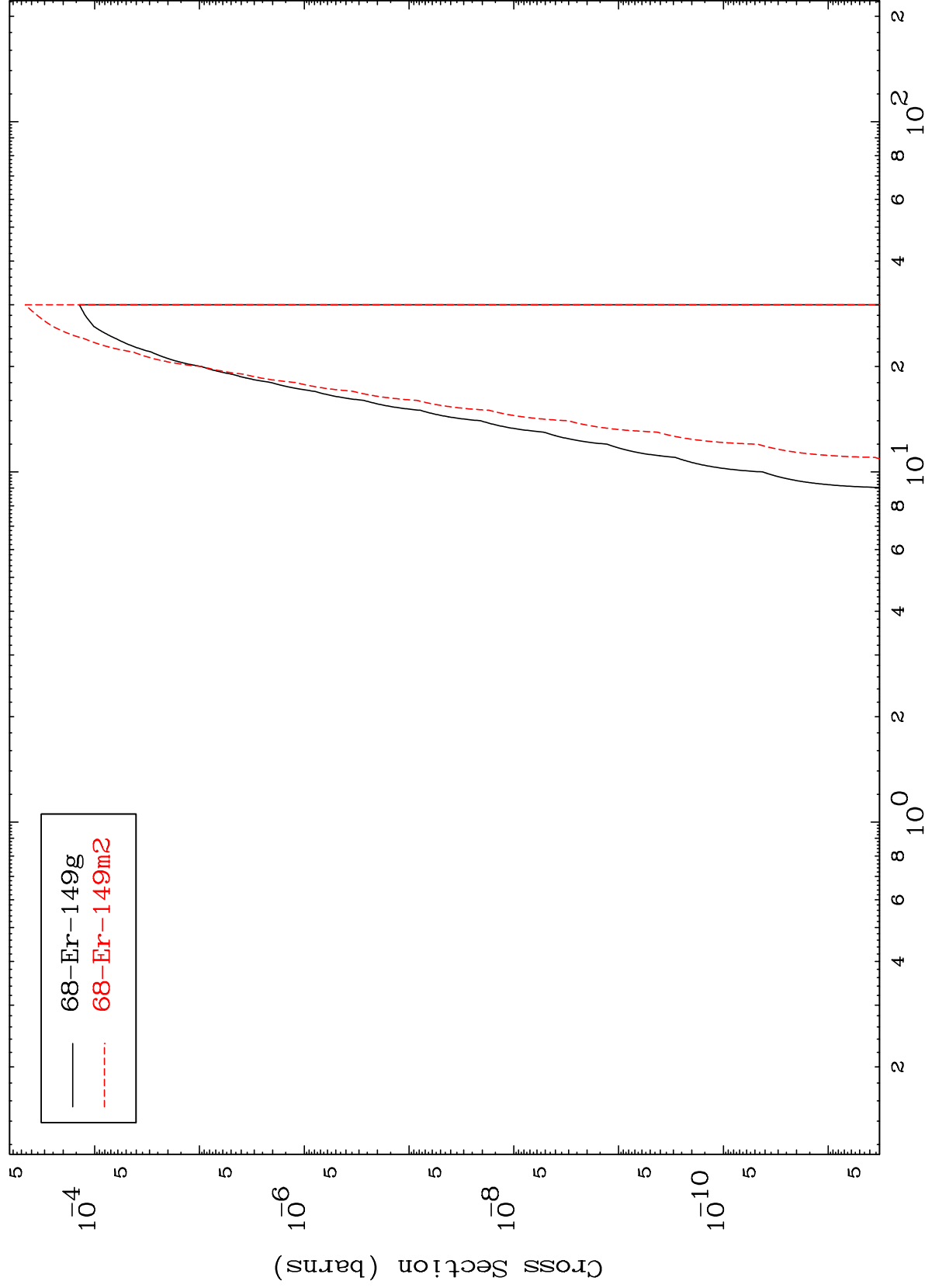
70-Yb-153

MAT 6980

(n,d) α

70-Yb-153

Radionuclide Production Cross Section



68-Er-149g
68-Er-149m2

Incident Energy (MeV)

70-Yb-153

26