

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

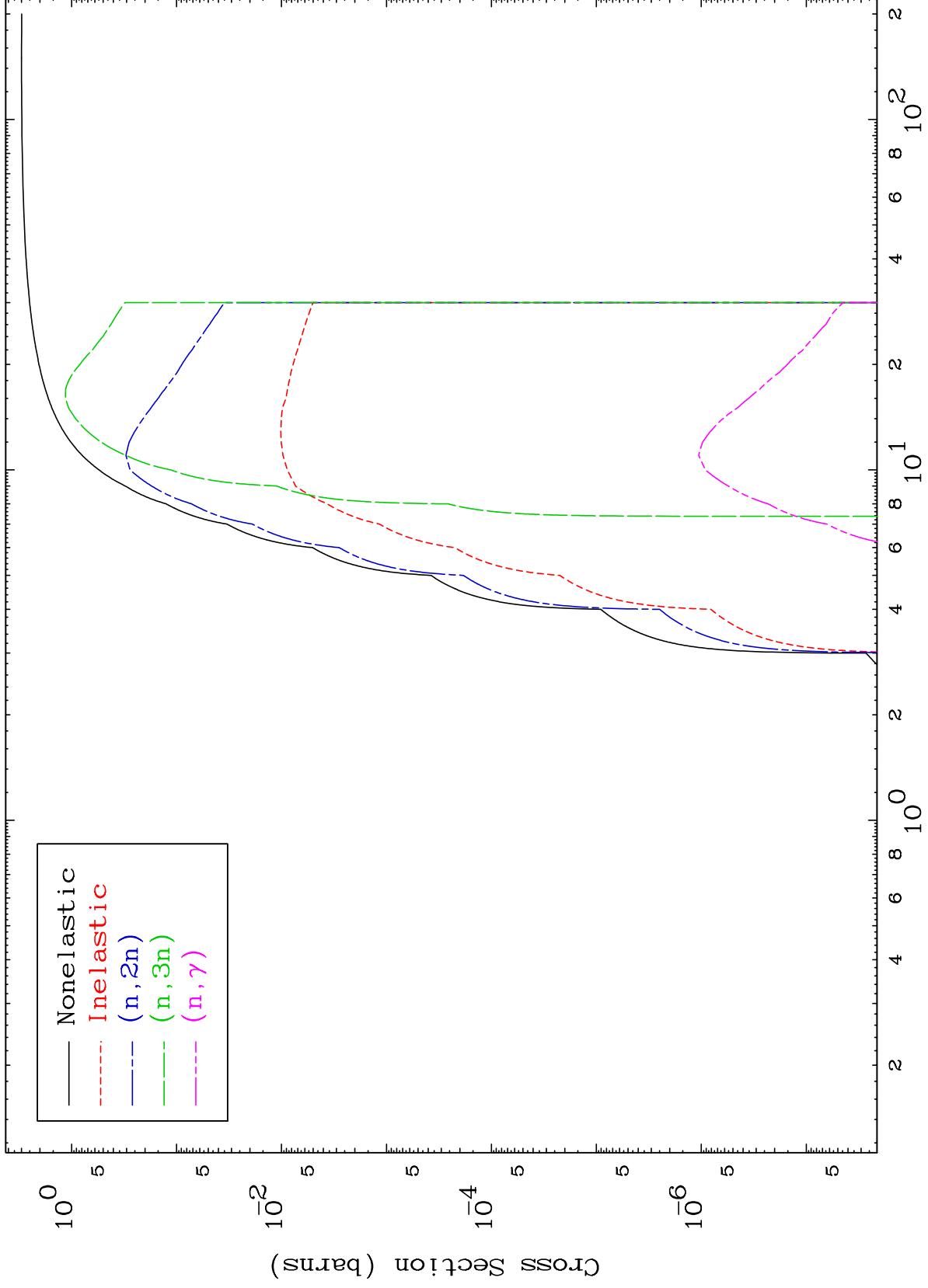
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

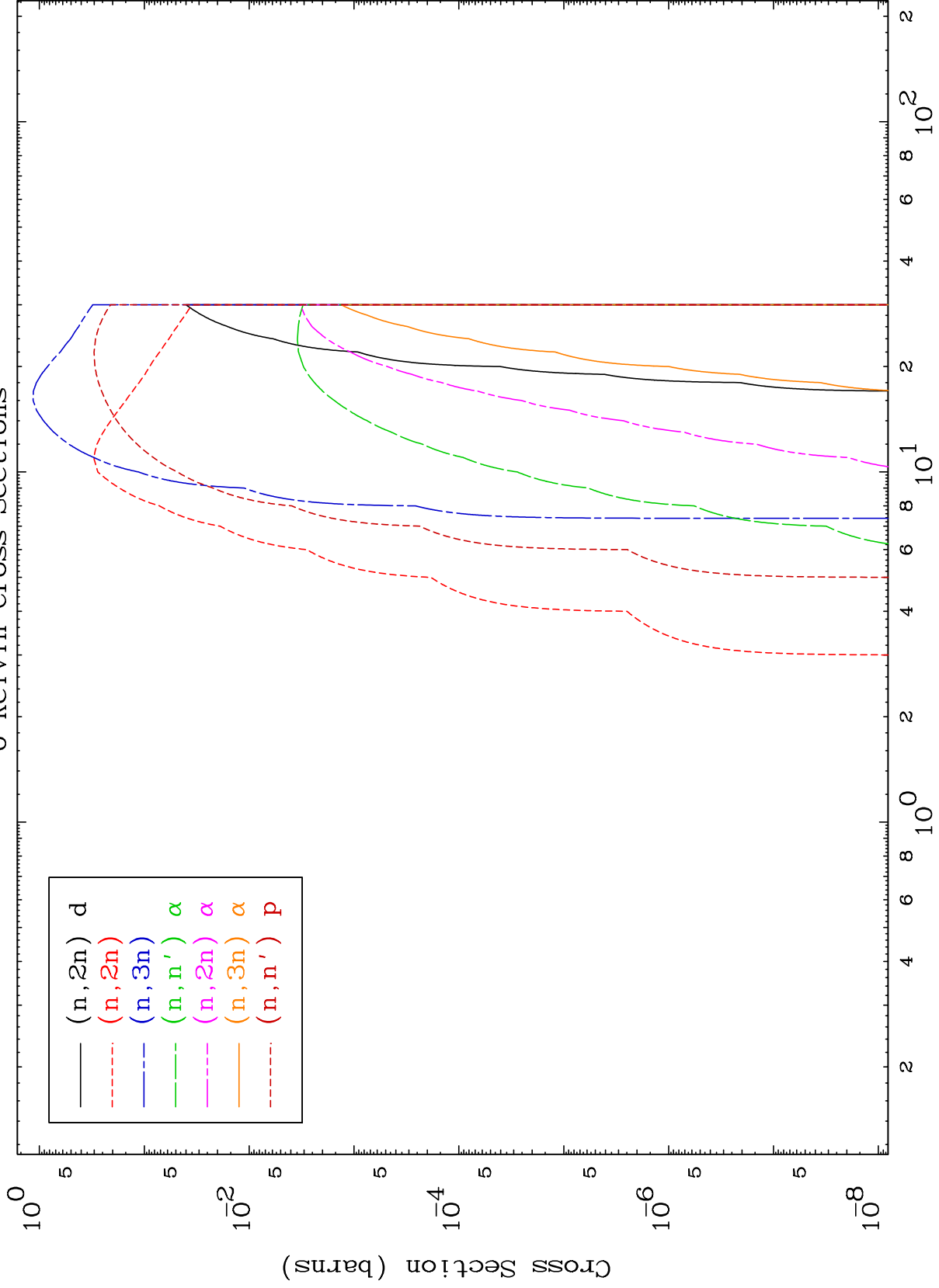
Press Mouse Button to Start



MAT 7140

Deuteron Neutron Absorption
0 Kelvin Cross Sections

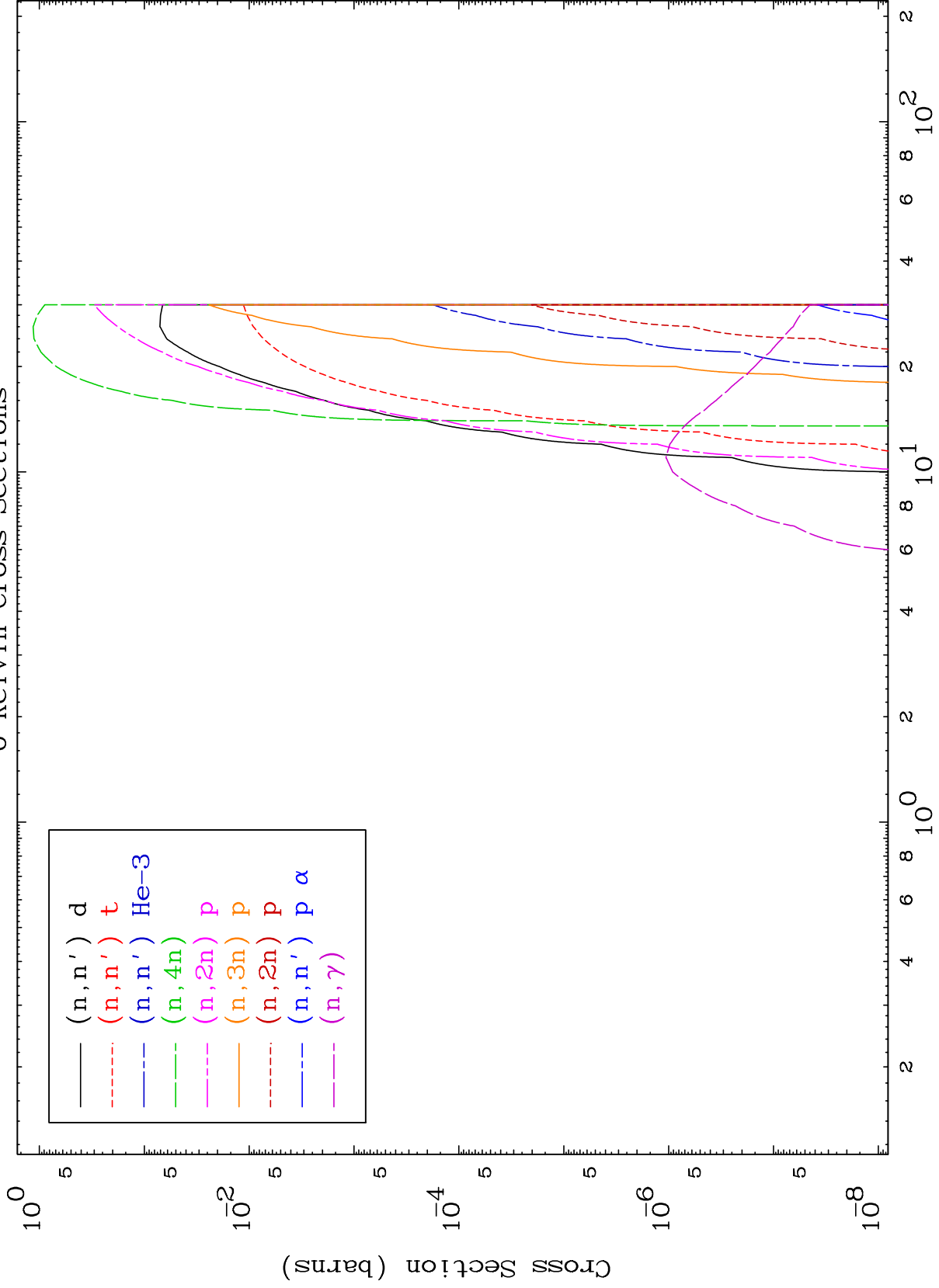
71-Lu-180

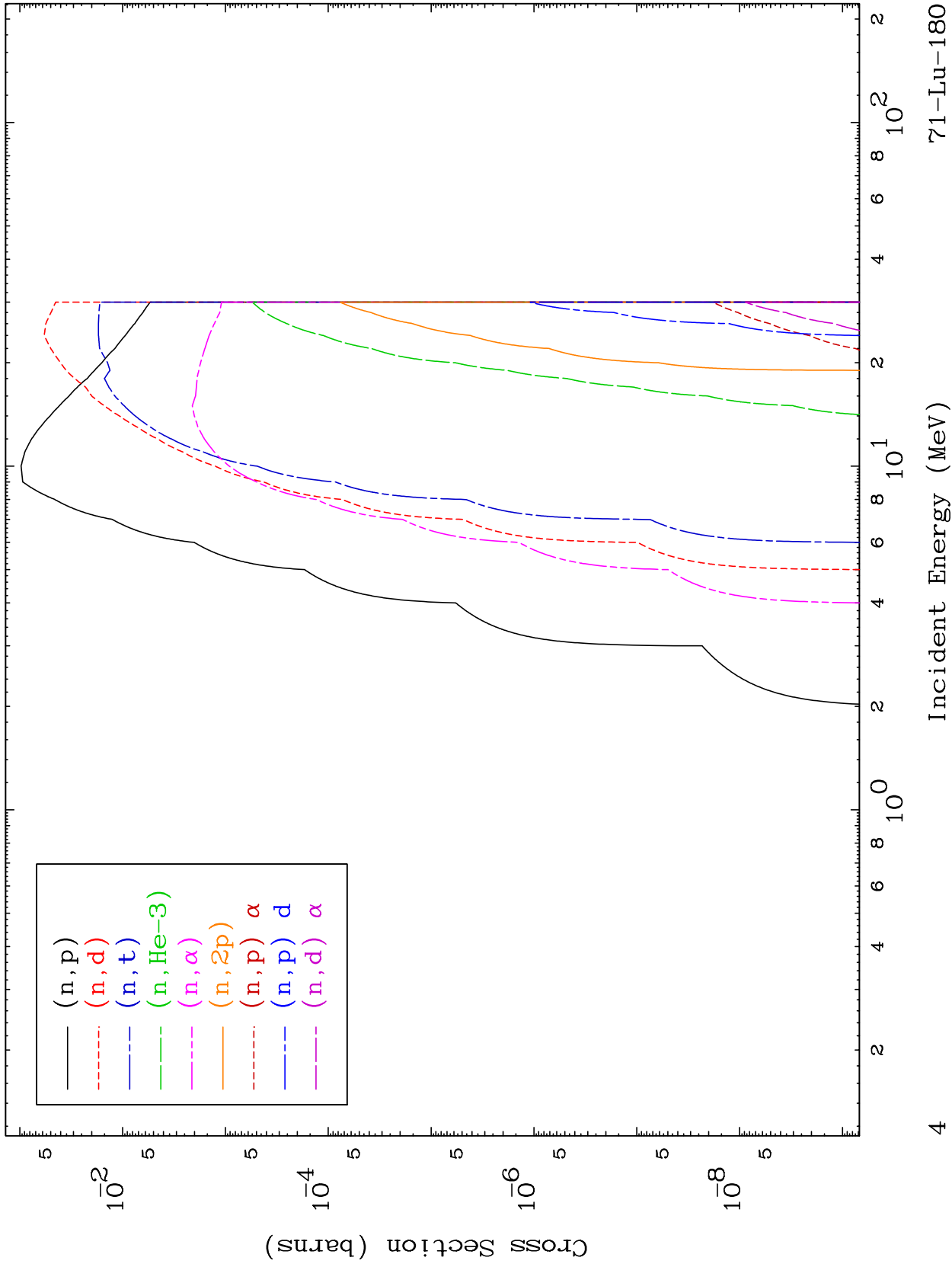


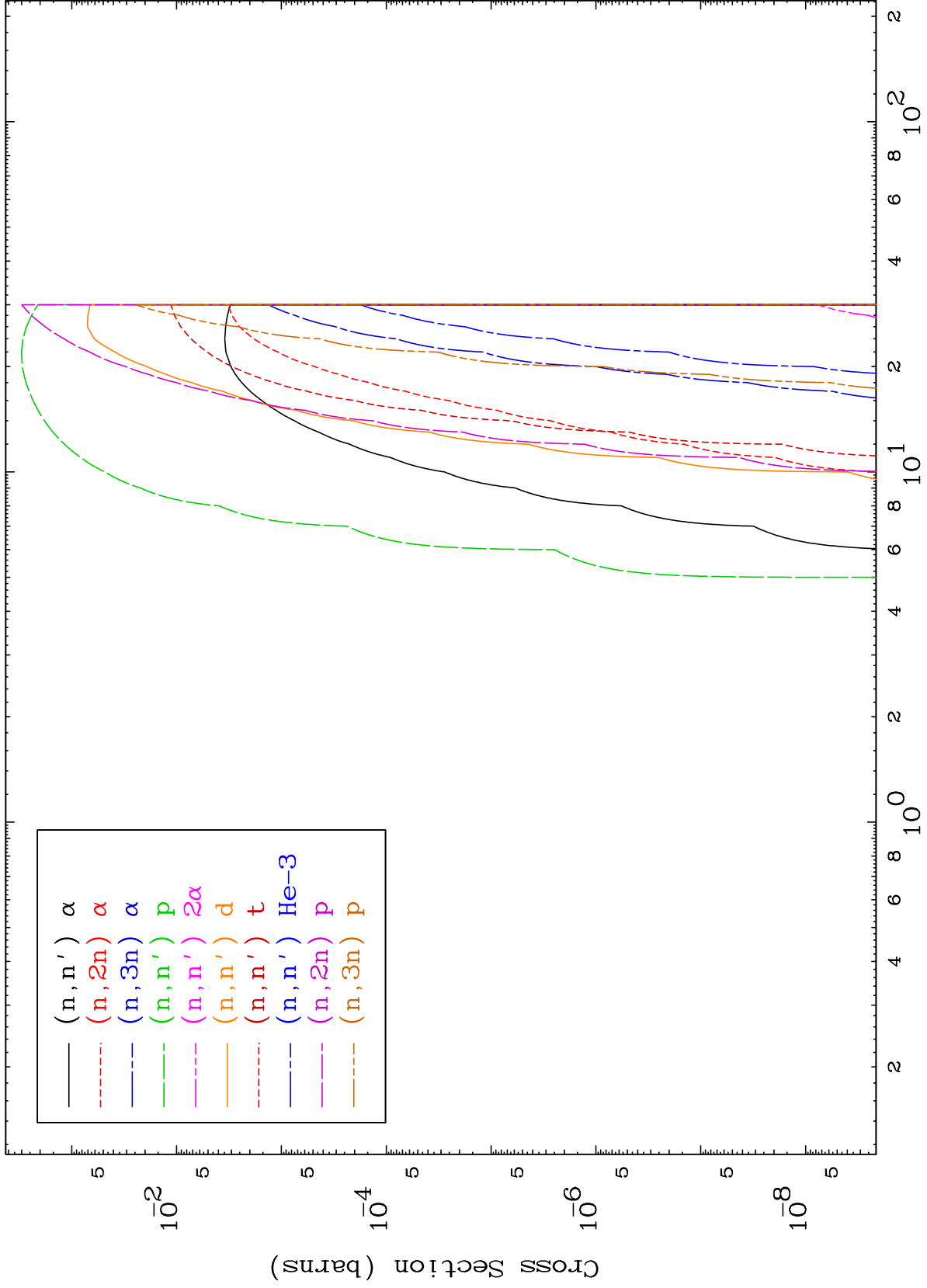
MAT 7140

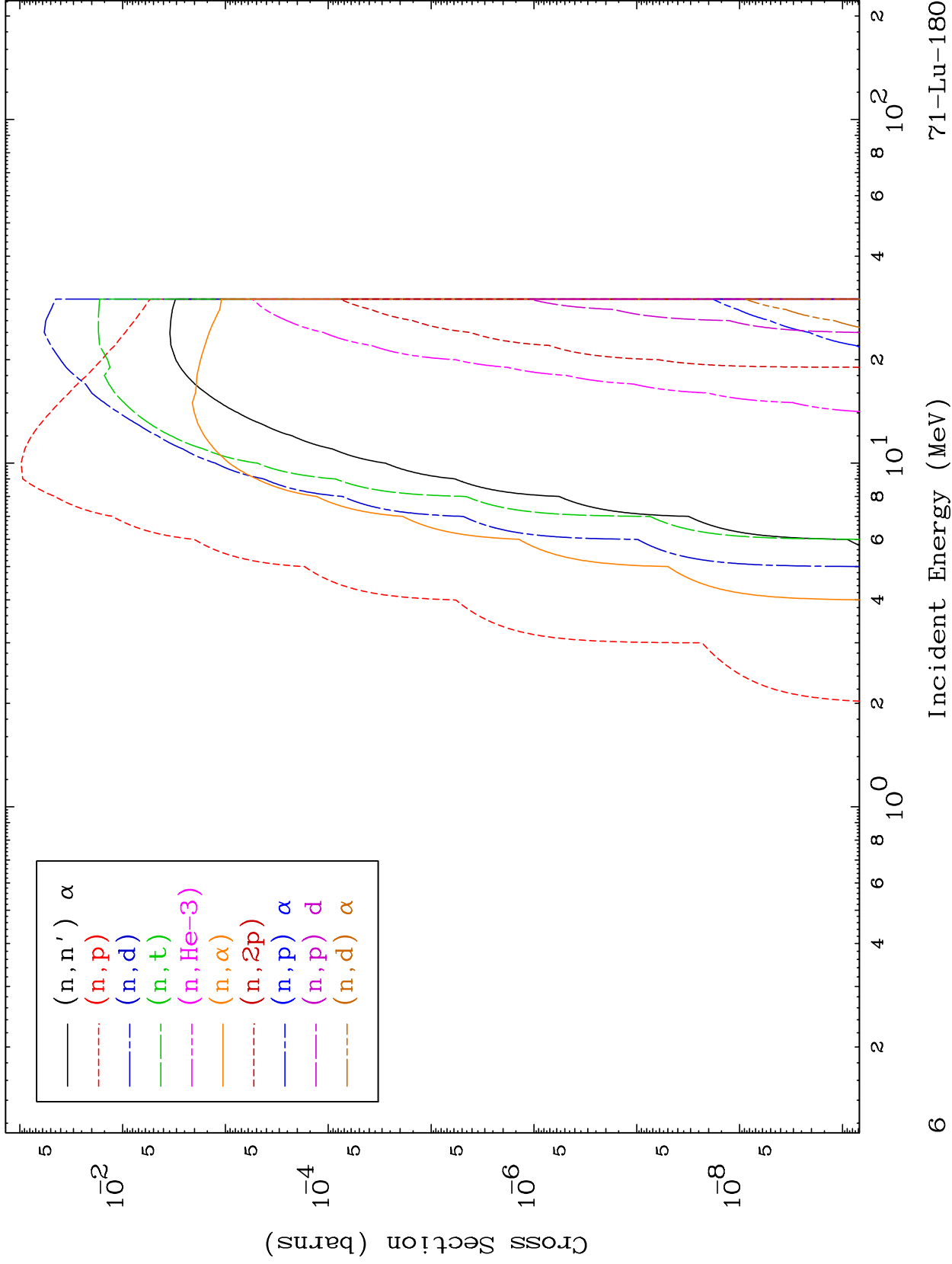
Deuteron Neutron Absorption
0 Kelvin Cross Sections

71-Lu-180





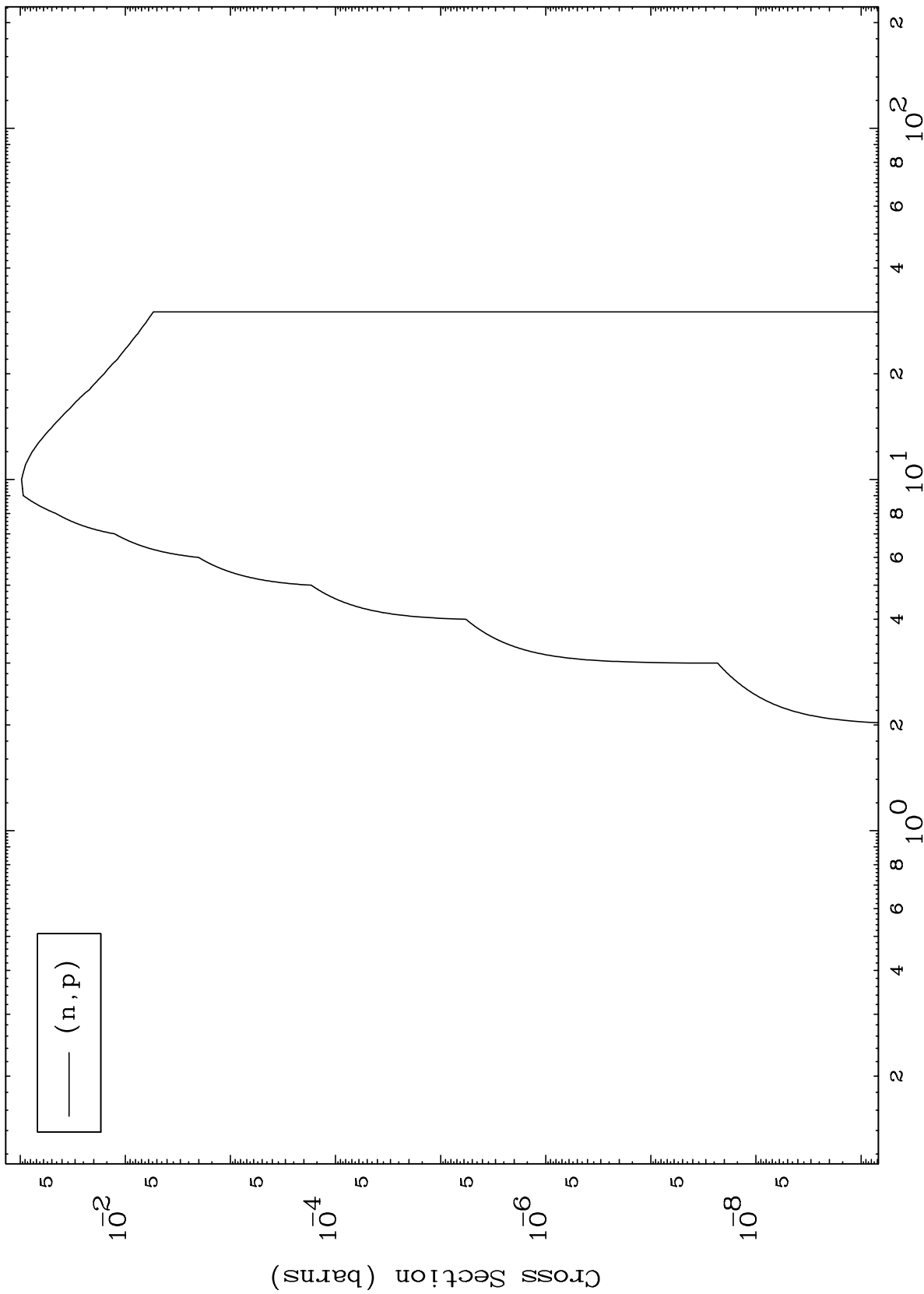




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71-Lu-180

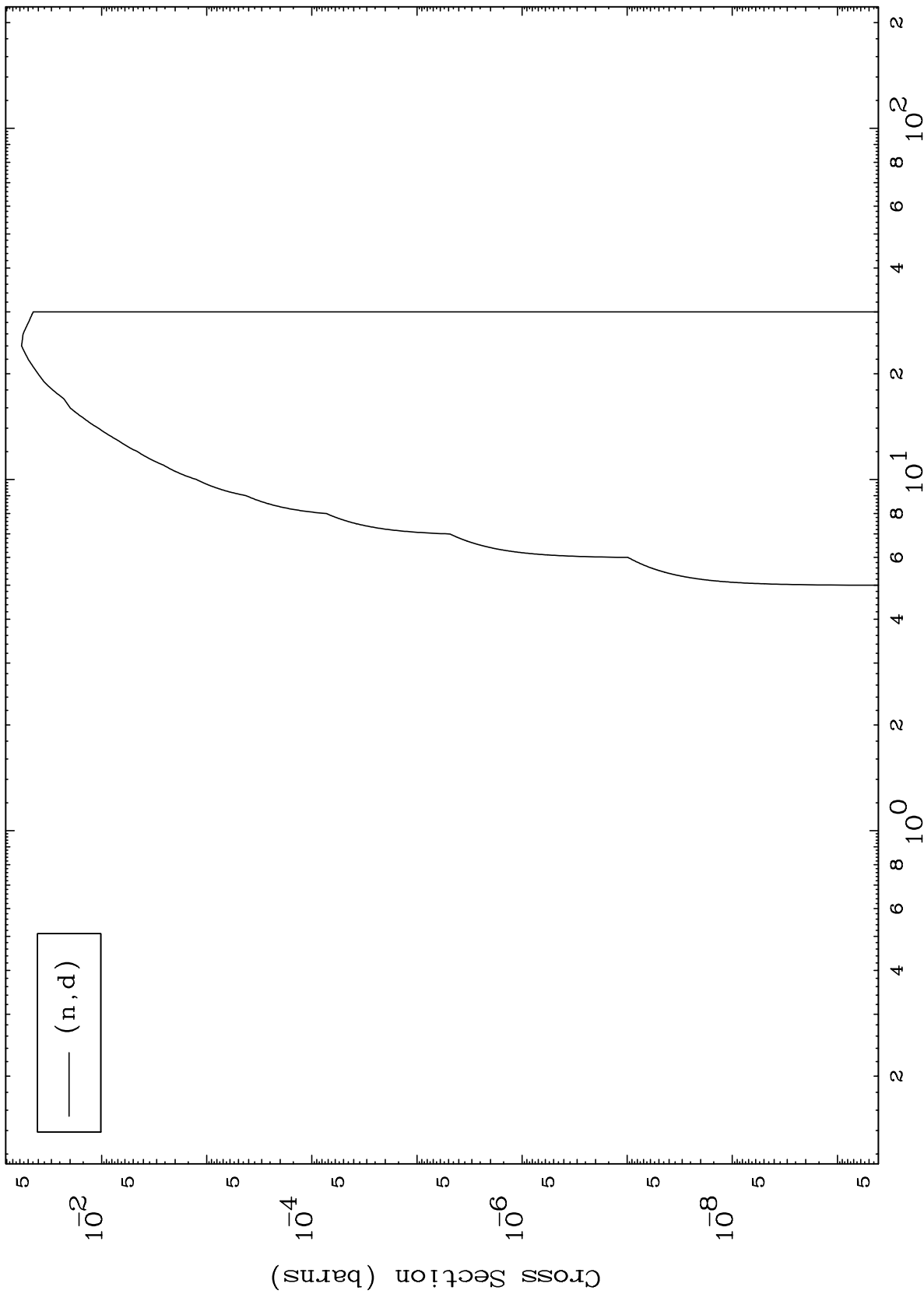
(d,p) Levels
0 Kelvin Cross Sections



MAT 7140

71-Lu-180

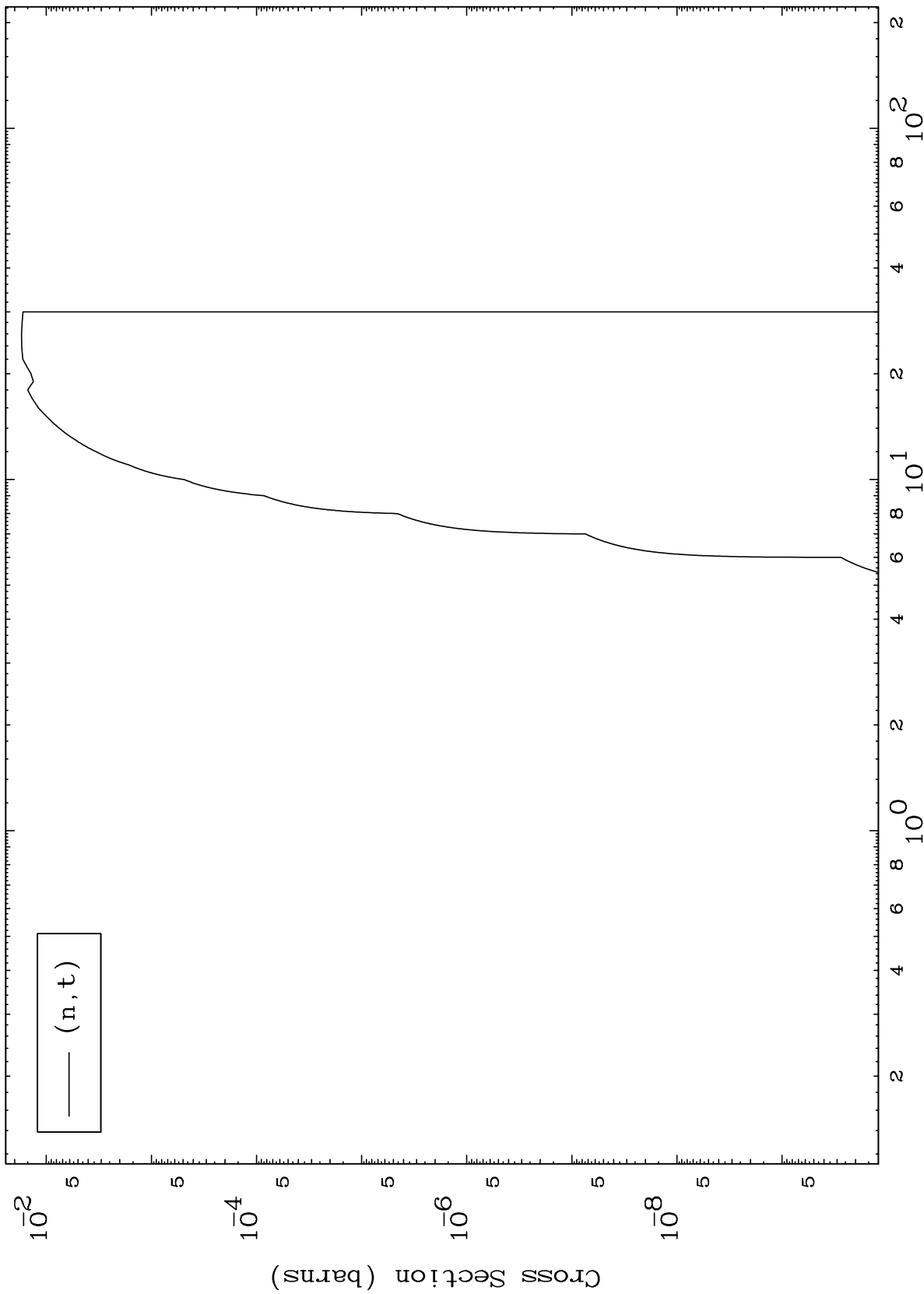
(d,d) Levels
0 Kelvin Cross Sections



MAT 7140

71-Lu-180

(d,t) Levels
0 Kelvin Cross Sections



71-Lu-180

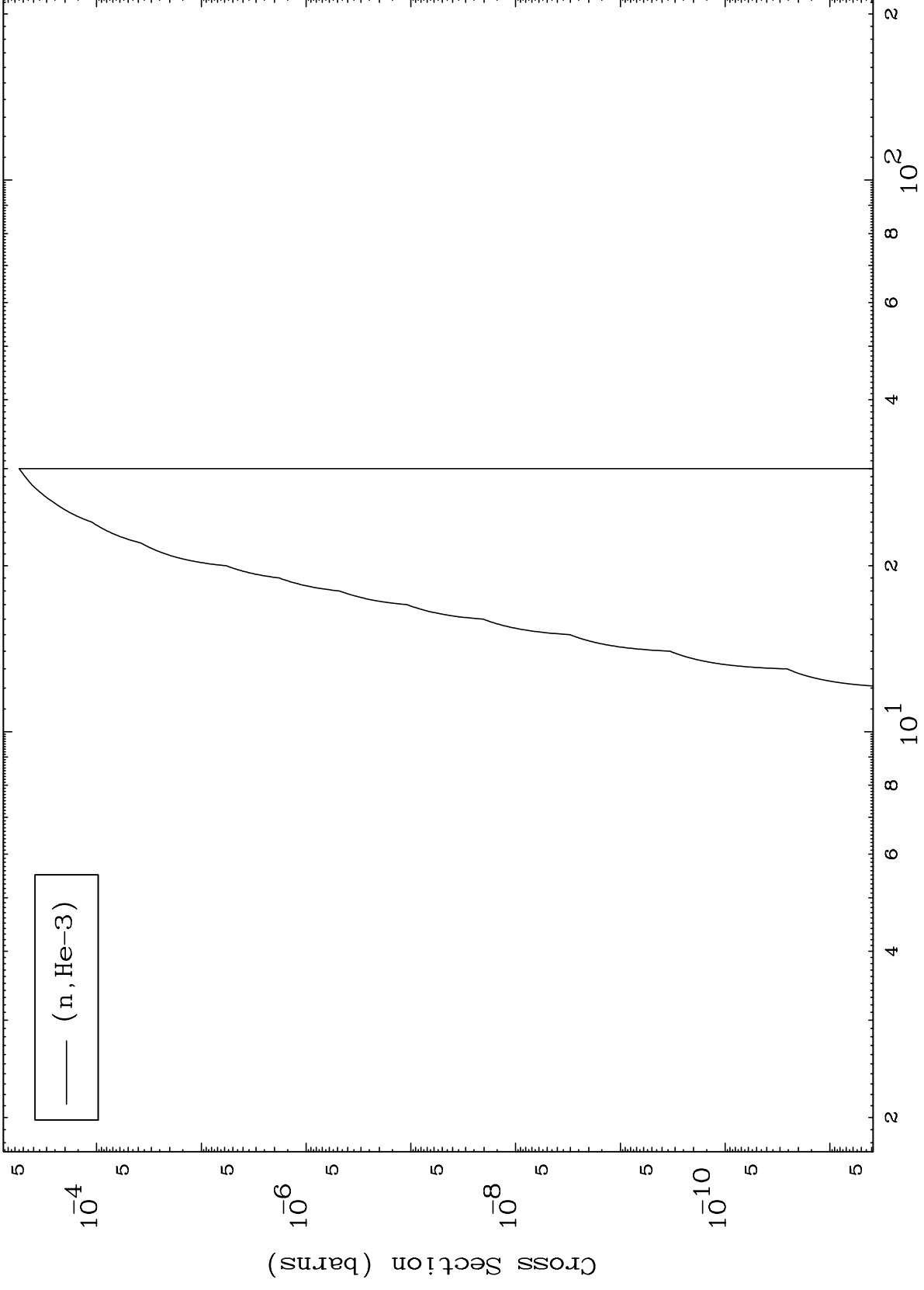
Incident Energy (MeV)

MAT 7140

(d,He3) Levels

71-Lu-180

0 Kelvin Cross Sections



10

Incident Energy (MeV)

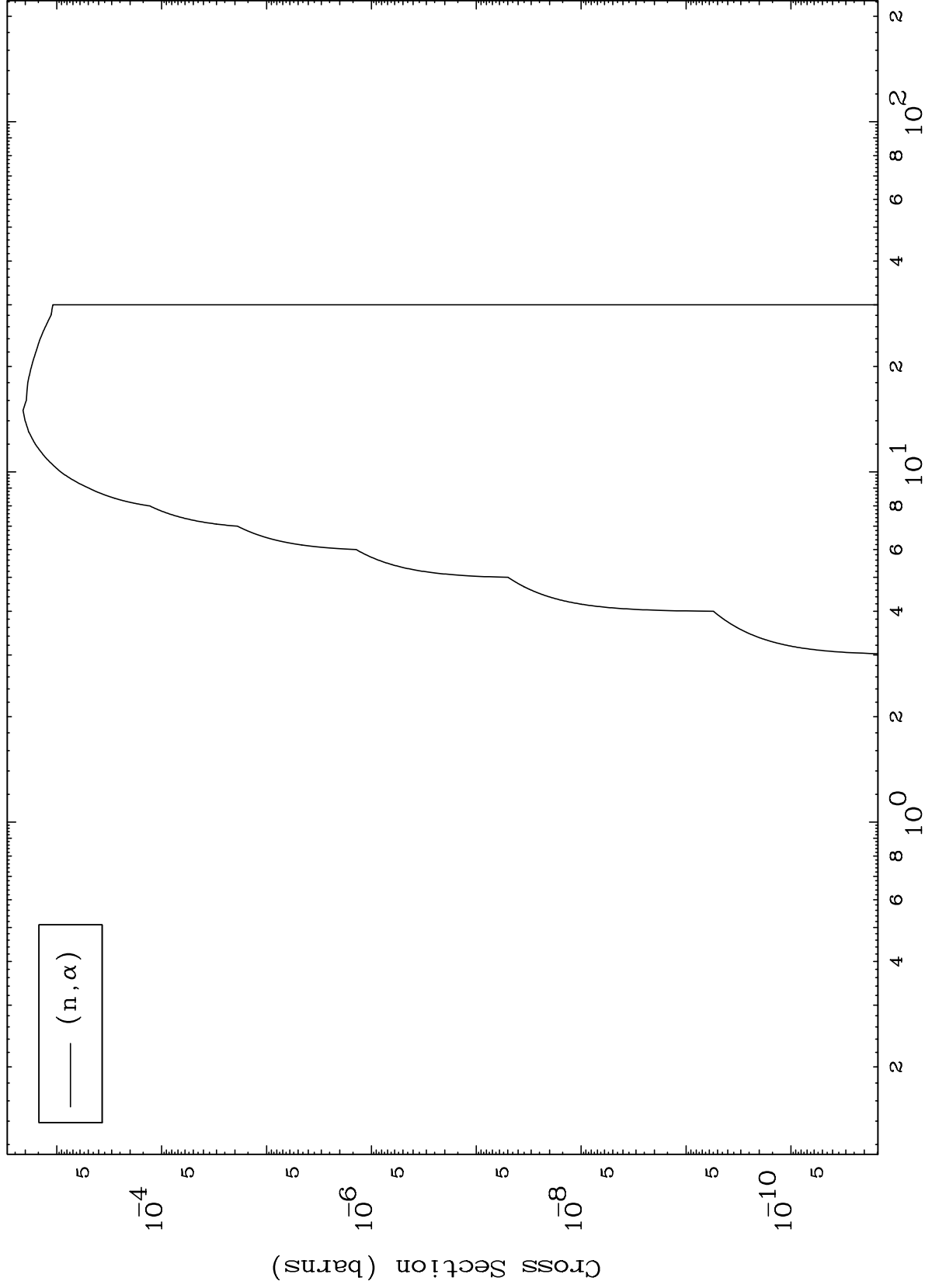
71-Lu-180

MAT 7140

(d, α) Levels

71-Lu-180

0 Kelvin Cross Sections

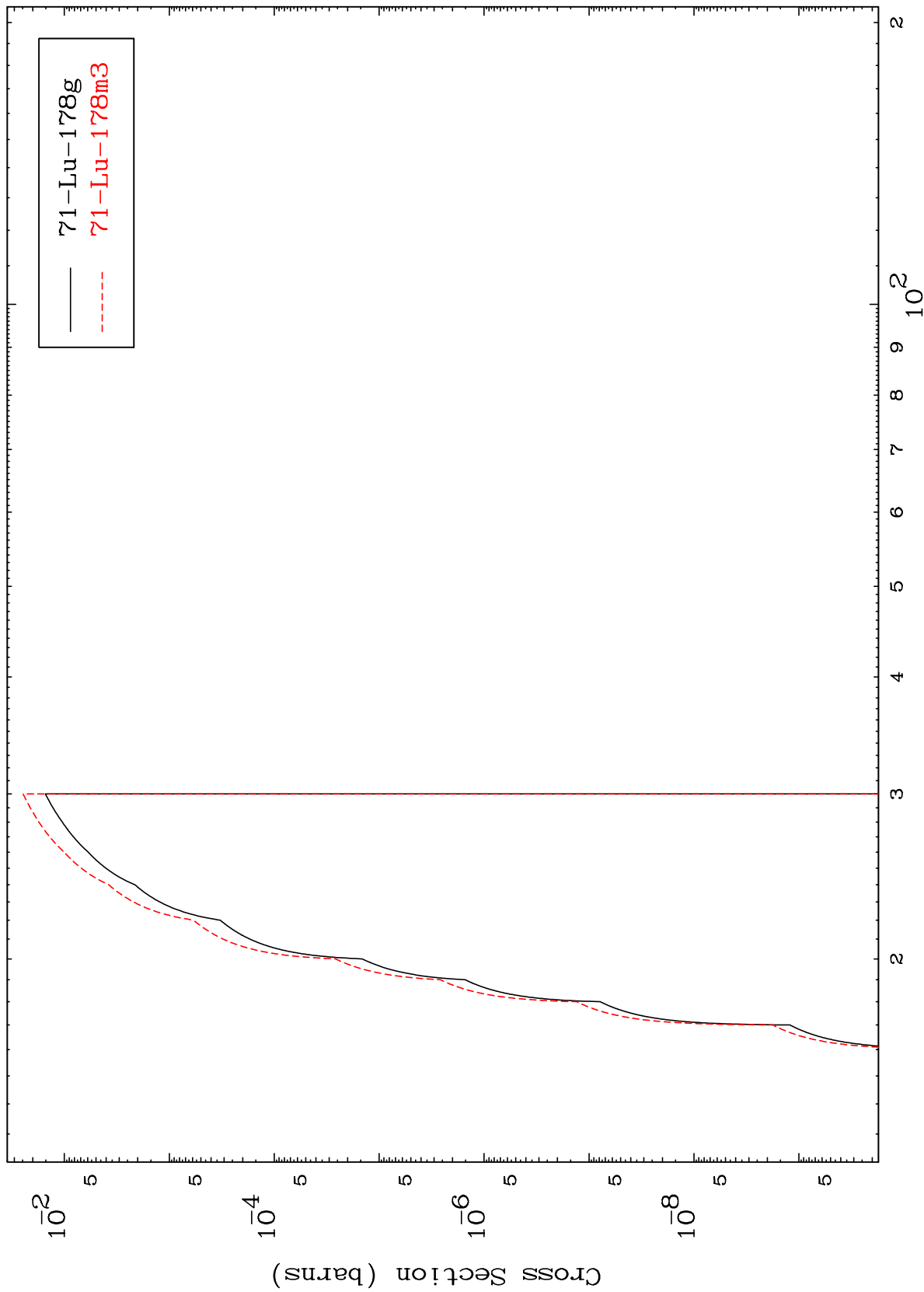


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(n,2n) d

71-Lu-180

Radionuclide Production Cross Section



12

Incident Energy (MeV)

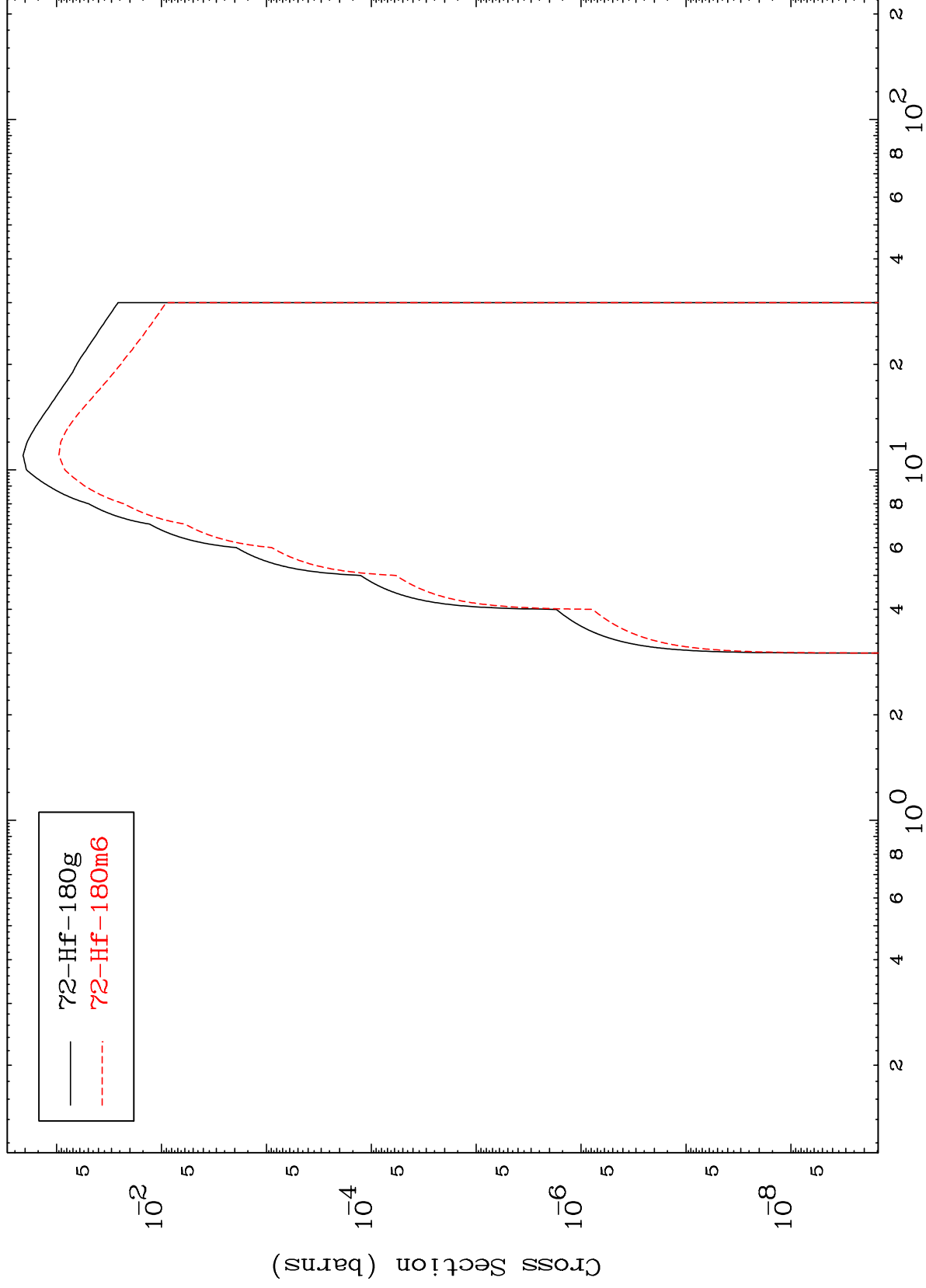
71-Lu-180

MAT 7140

(n,2n)

⁷¹Lu-180

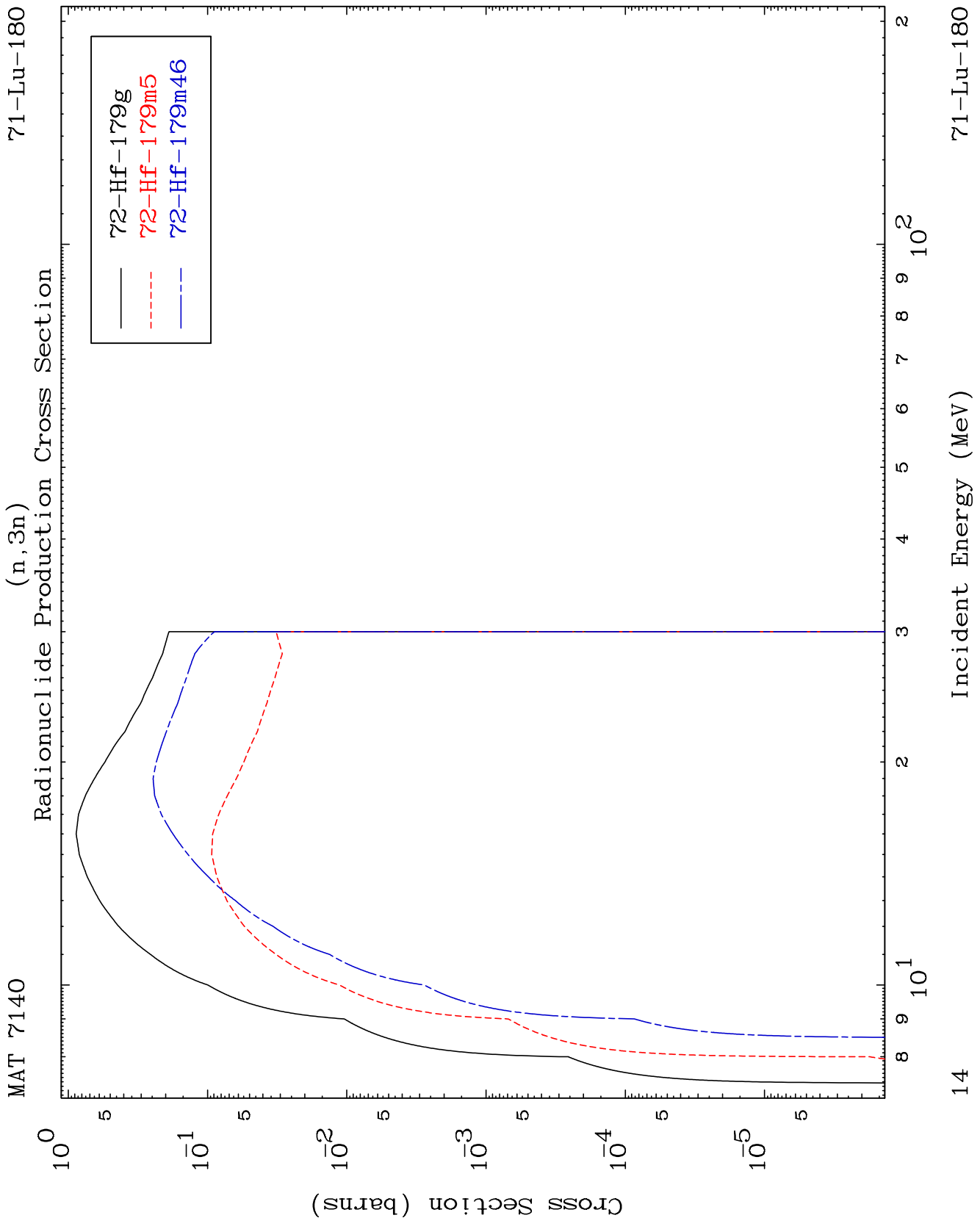
Radionuclide Production Cross Section



13

Incident Energy (MeV)

⁷¹Lu-180

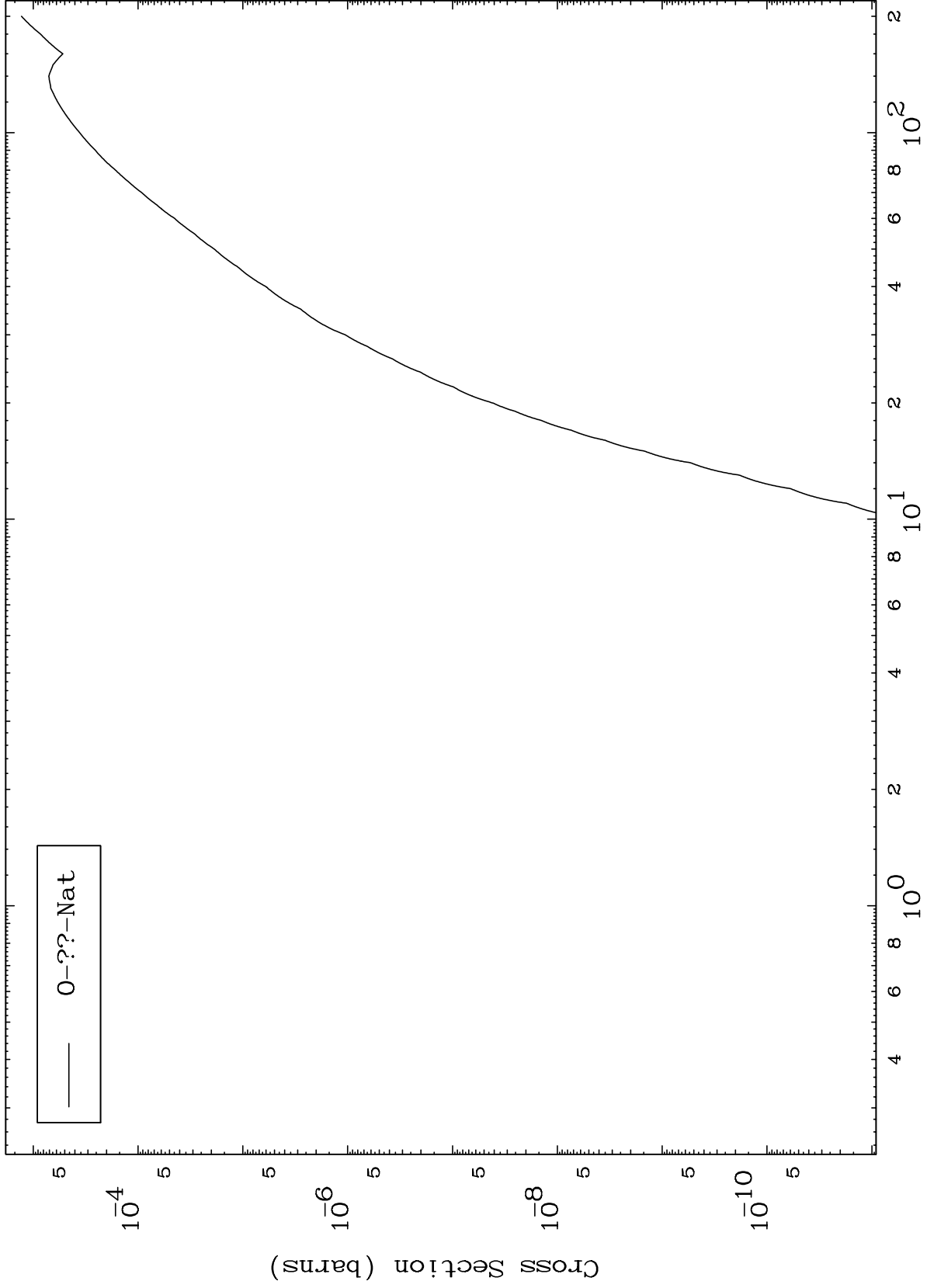


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Fission

⁷¹Lu-180

Radionuclide Production Cross Section



15

Incident Energy (MeV)

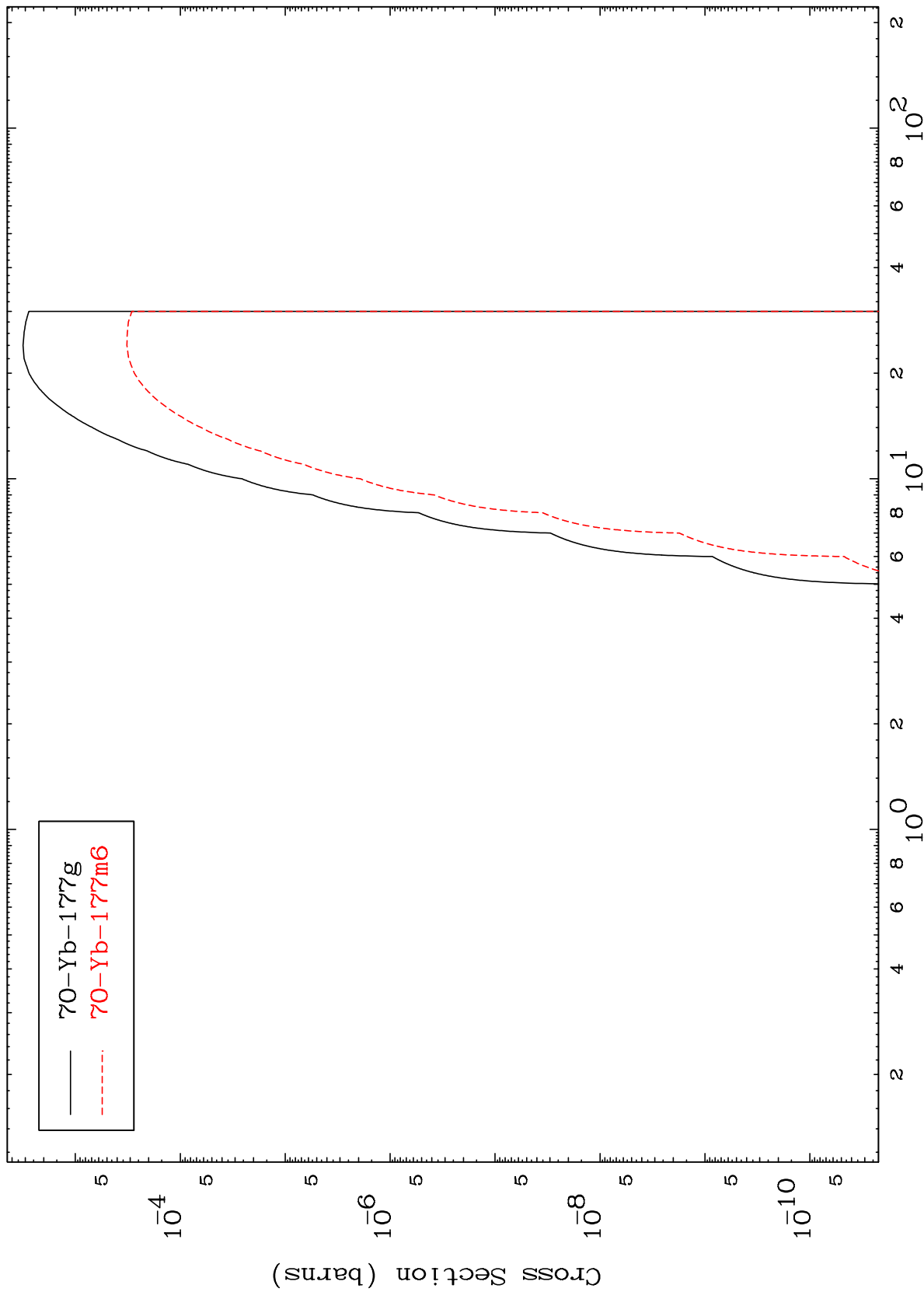
⁷¹Lu-180

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$(n, n') \alpha$

$^{71}\text{Lu-180}$

Radionuclide Production Cross Section

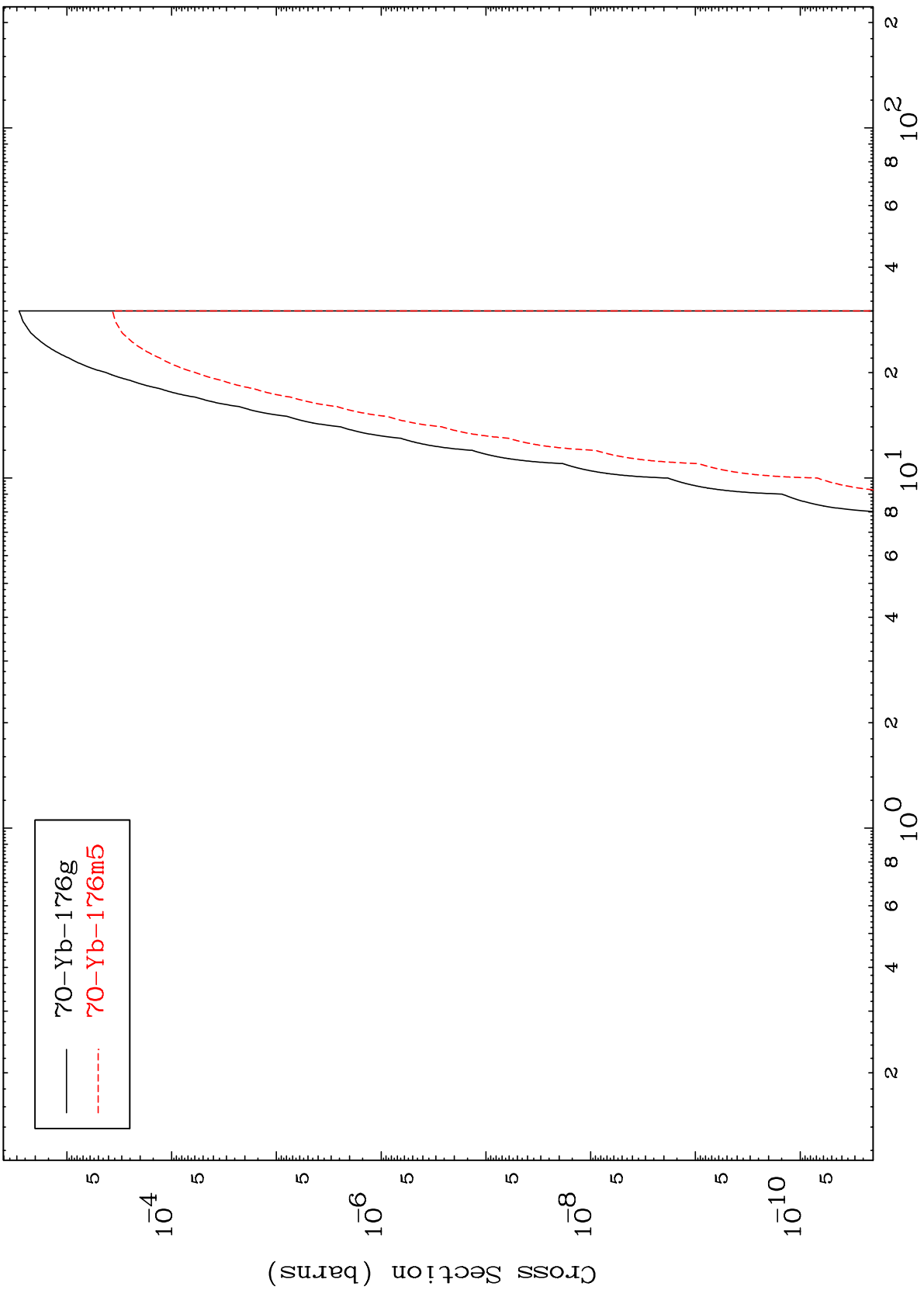


MAT 7140

$(n,2n) \alpha$

$^{71}\text{Lu-180}$

Radionuclide Production Cross Section

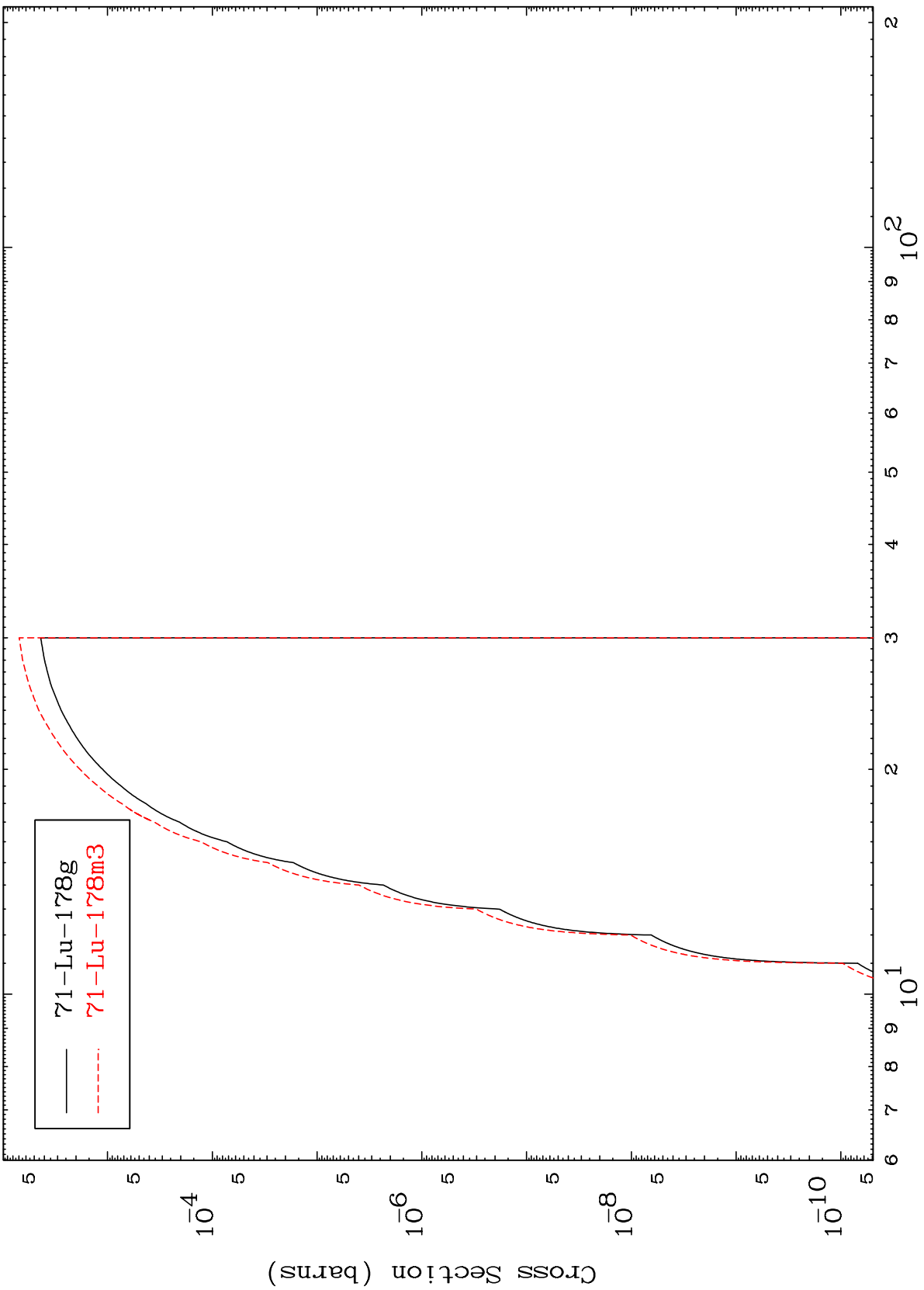


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(n,n') t

⁷¹Lu-180

Radionuclide Production Cross Section

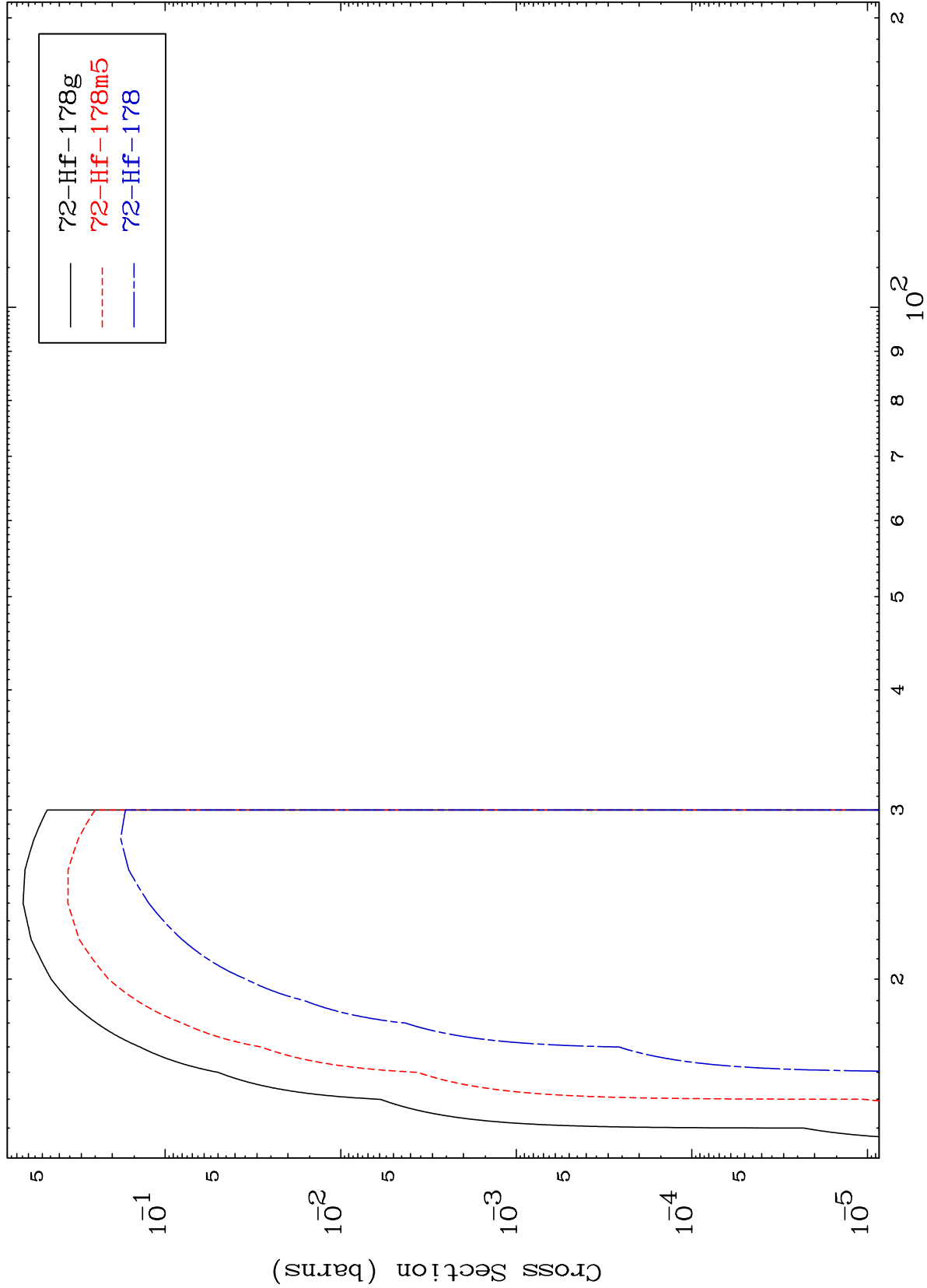


18

Incident Energy (MeV)

⁷¹Lu-180

Radionuclide Production Cross Section

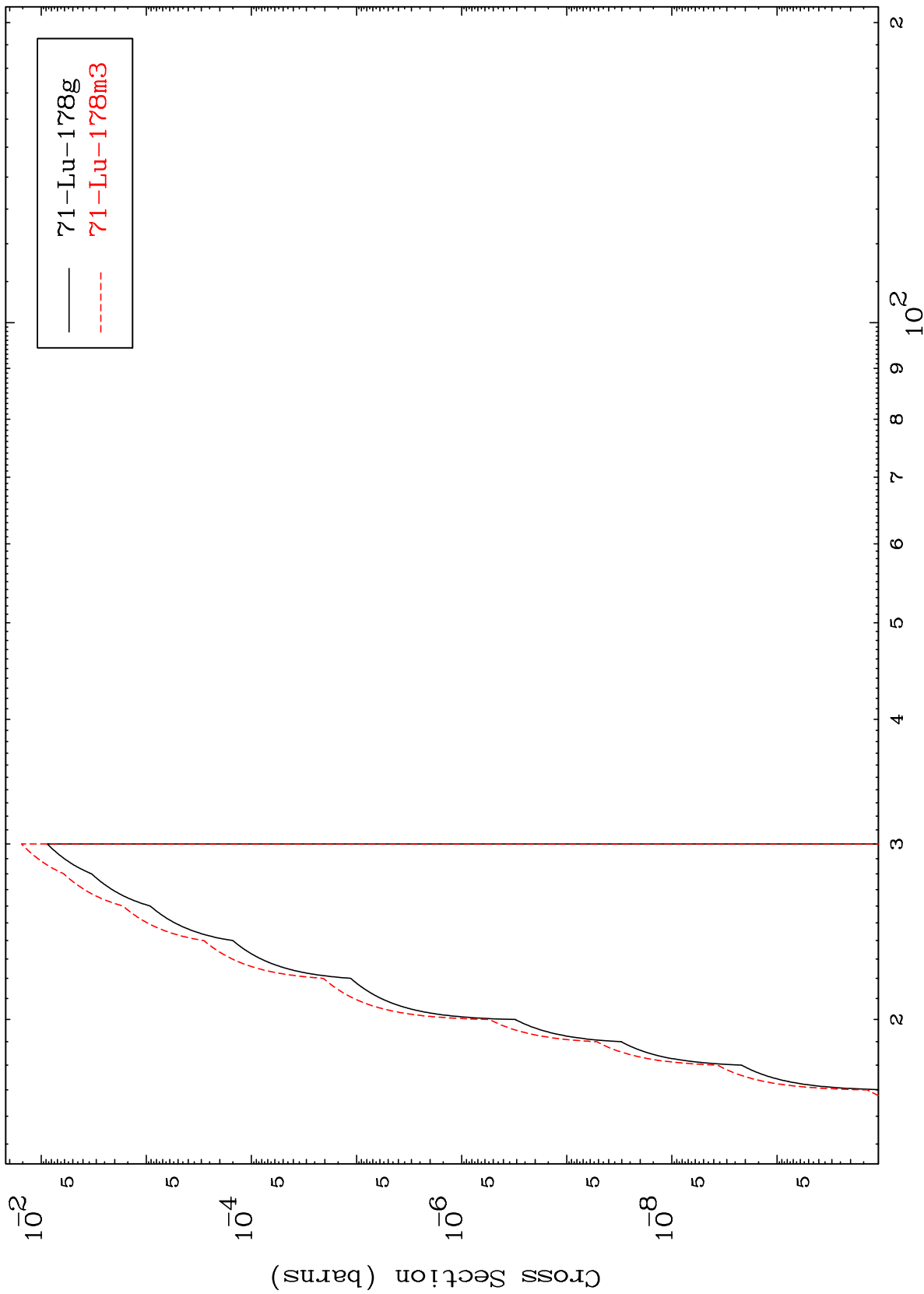


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(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



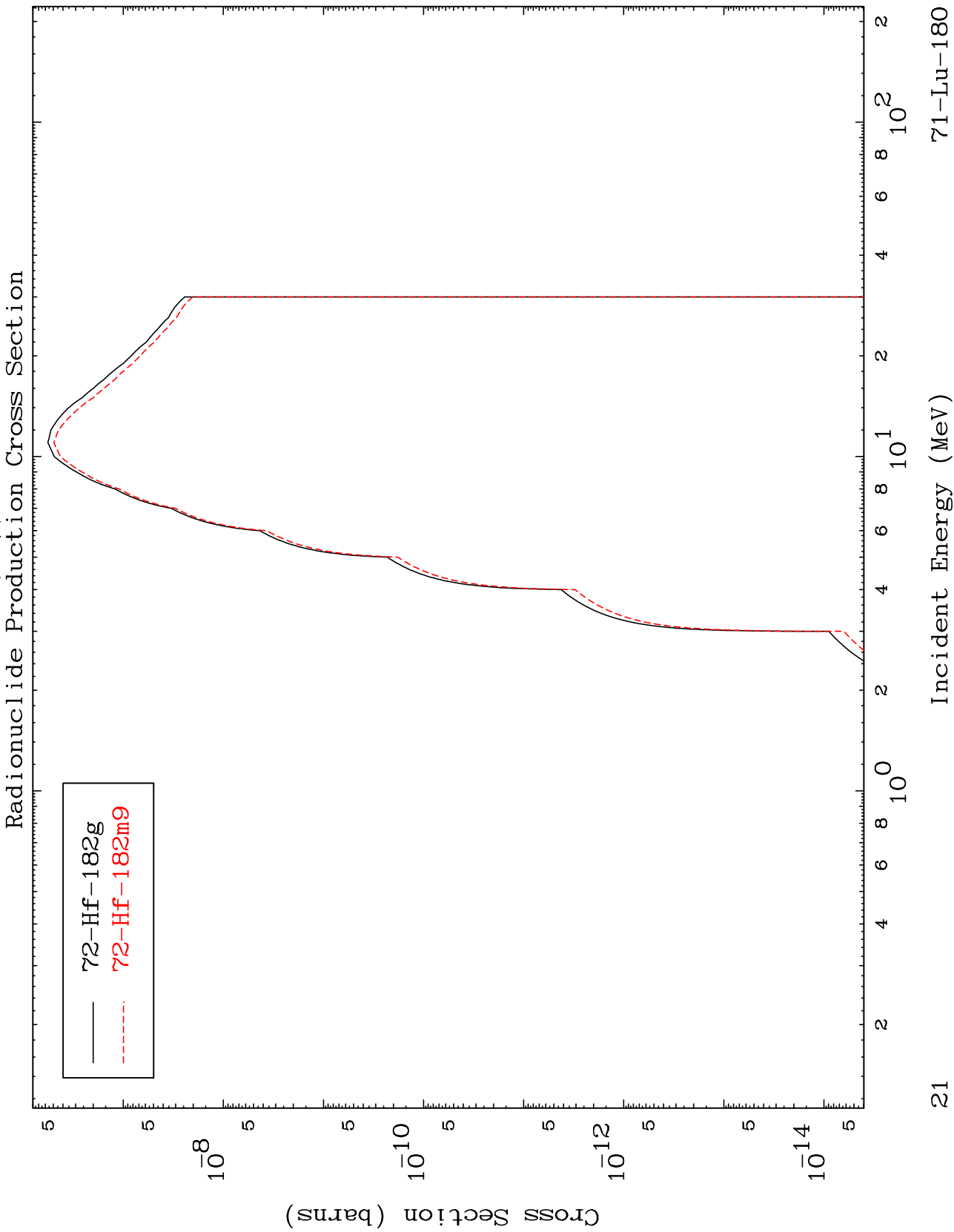
20

Incident Energy (MeV)

71-Lu-180

MAT 7140

71-Lu-180

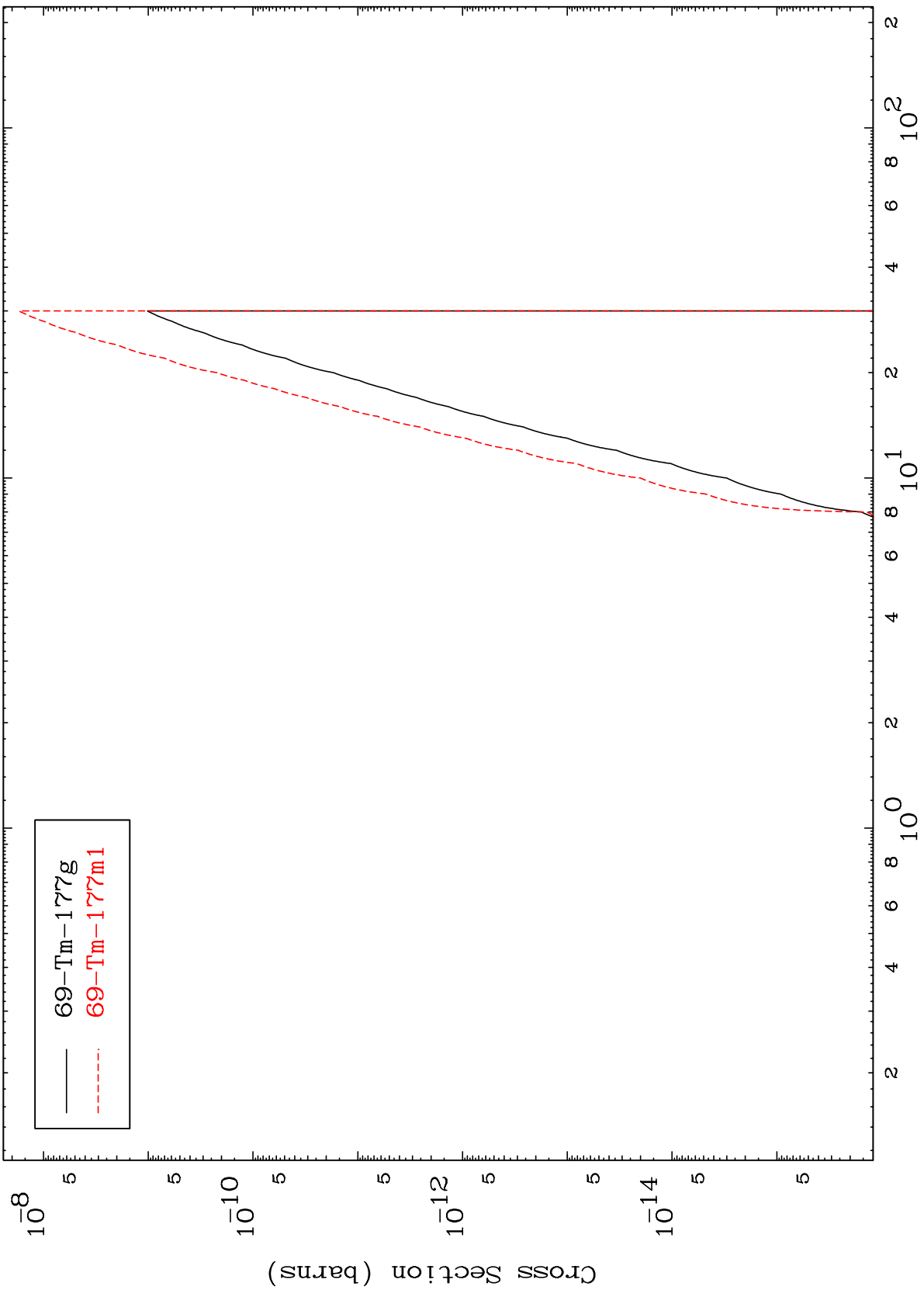


MAT 7140

(n,p) α

$^{71}\text{Lu-180}$

Radionuclide Production Cross Section



— 69-Tm-177g
- - - 69-Tm-177m1

Incident Energy (MeV)

$^{71}\text{Lu-180}$