

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

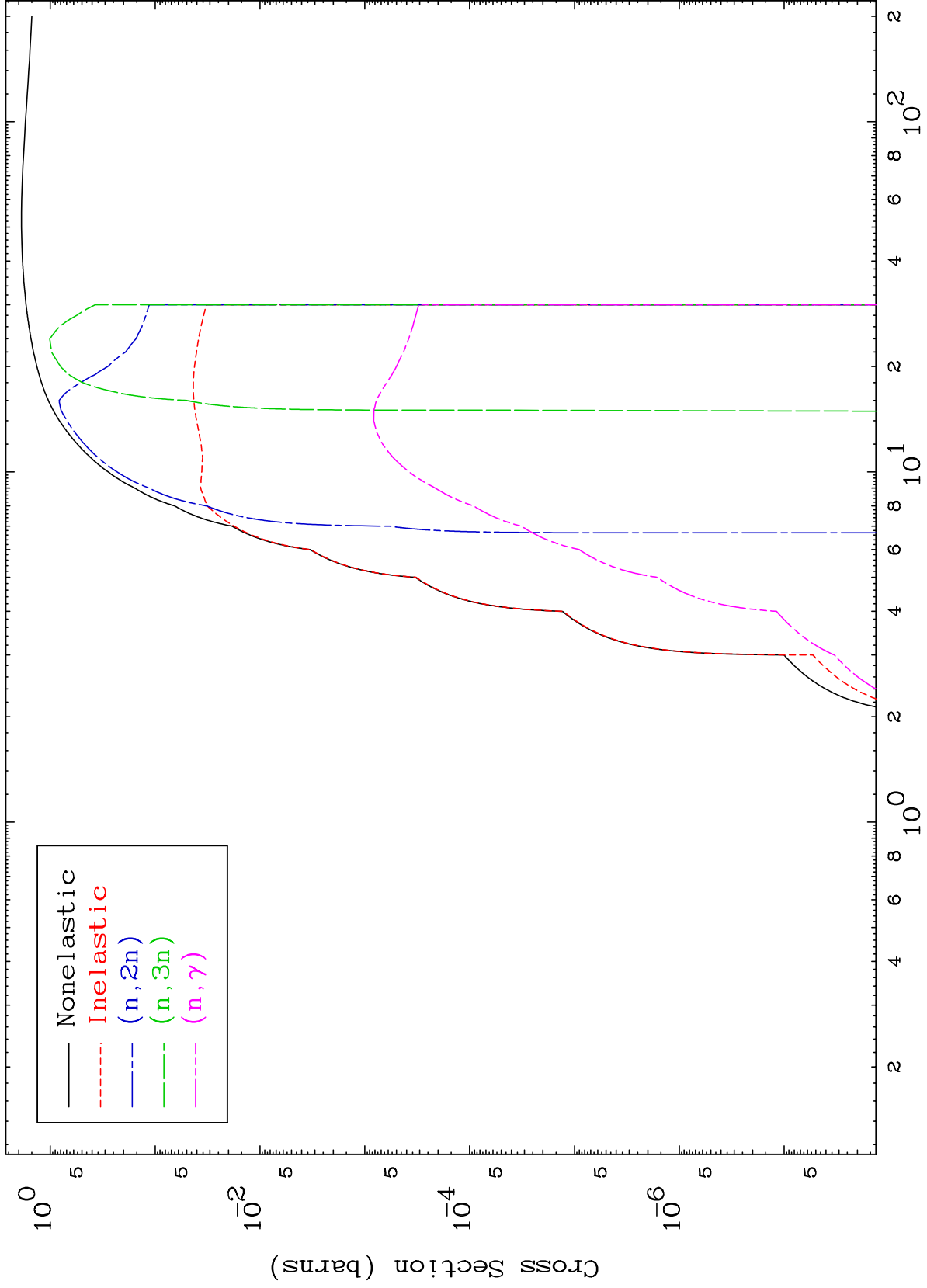
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Web:redcullen1.net/HOMEPAGE.NEW

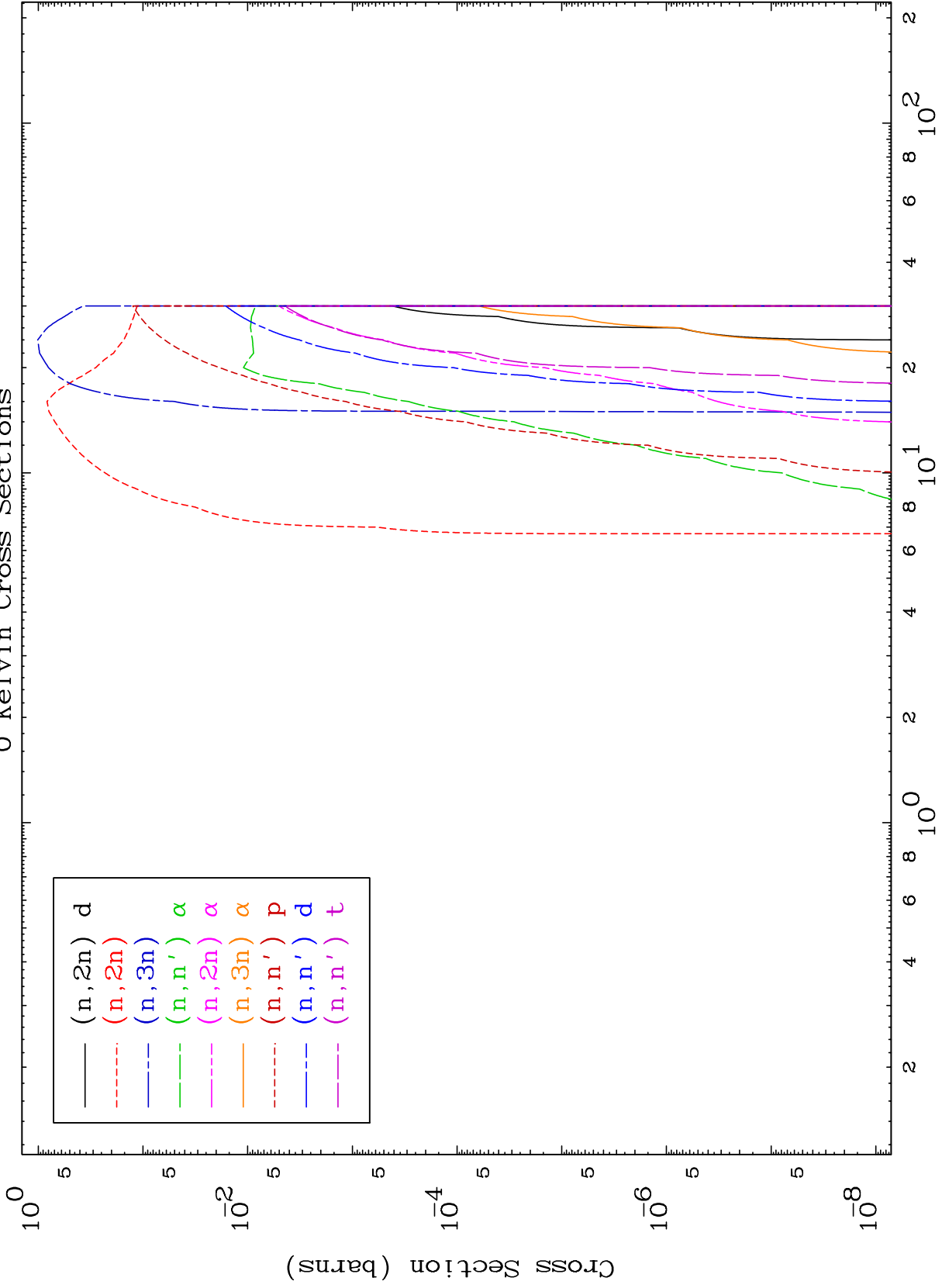
Press Mouse Button to Start



MAT 7131

Proton Neutron Absorption
0 Kelvin Cross Sections

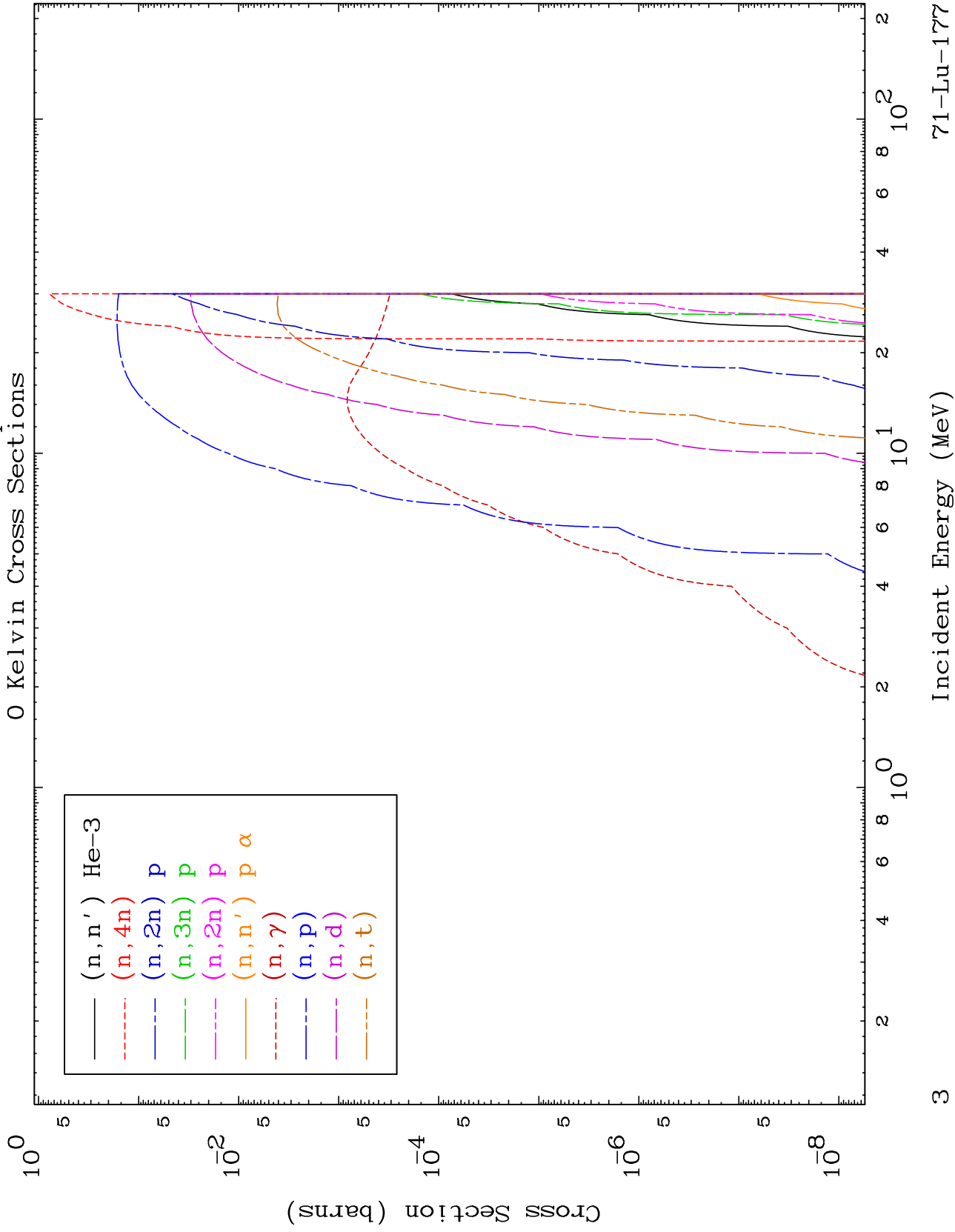
71-Lu-177



MAT 7131

Proton Neutron Absorption
0 Kelvin Cross Sections

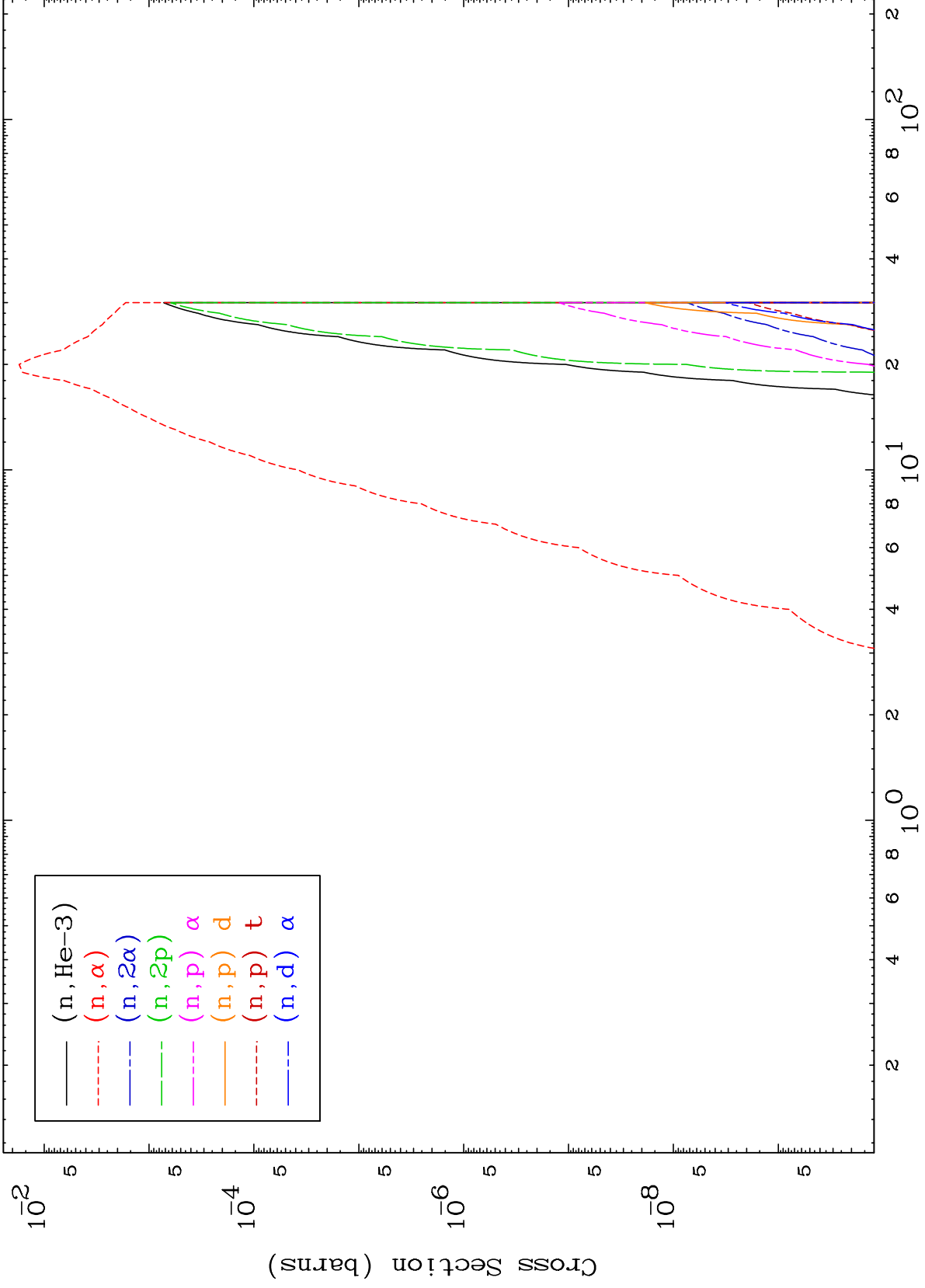
71-Lu-177



MAT 7131

Proton Neutron Absorption
0 Kelvin Cross Sections

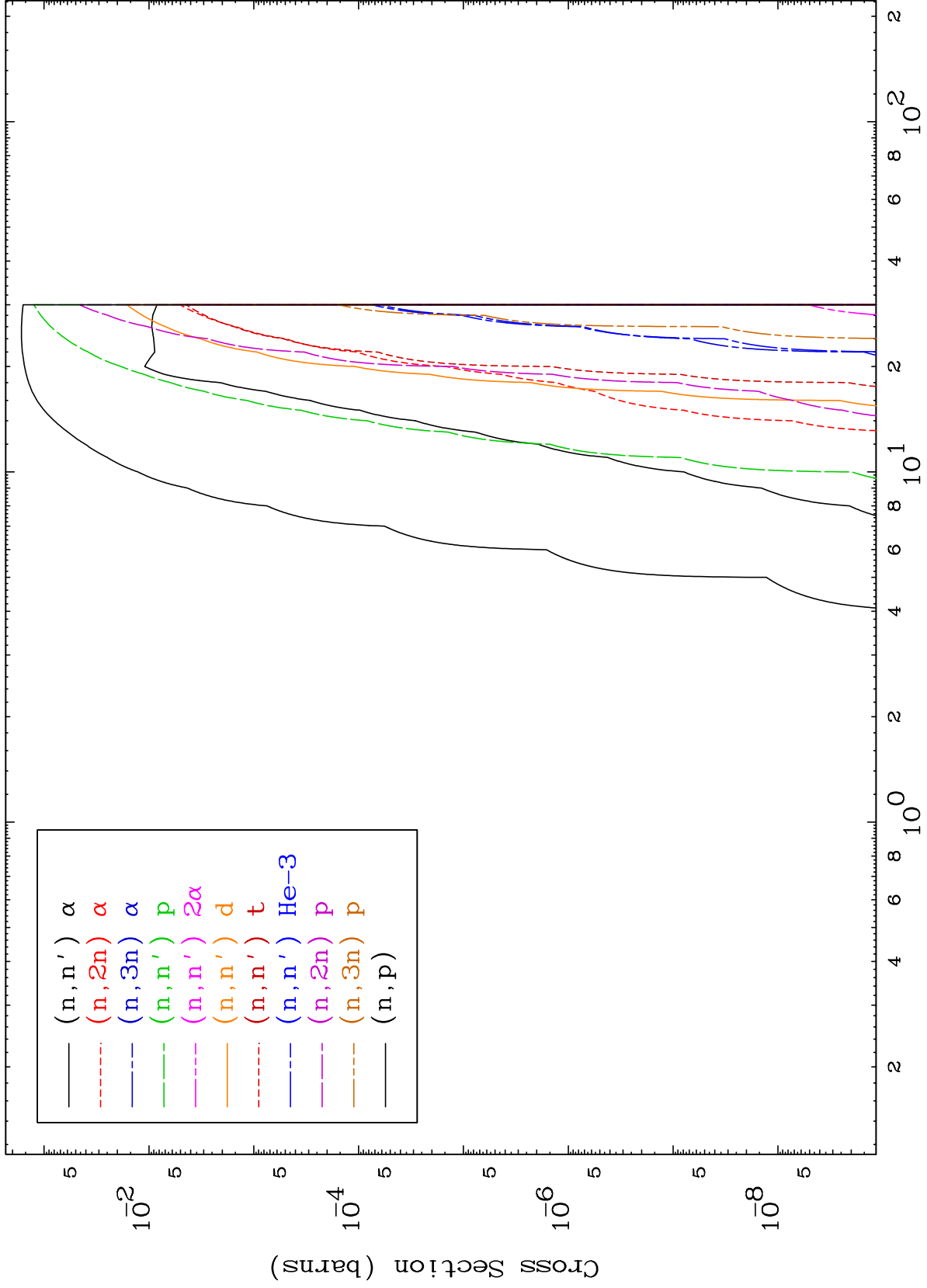
71-Lu-177



MAT 7131

Proton Charged Particle
0 Kelvin Cross Sections

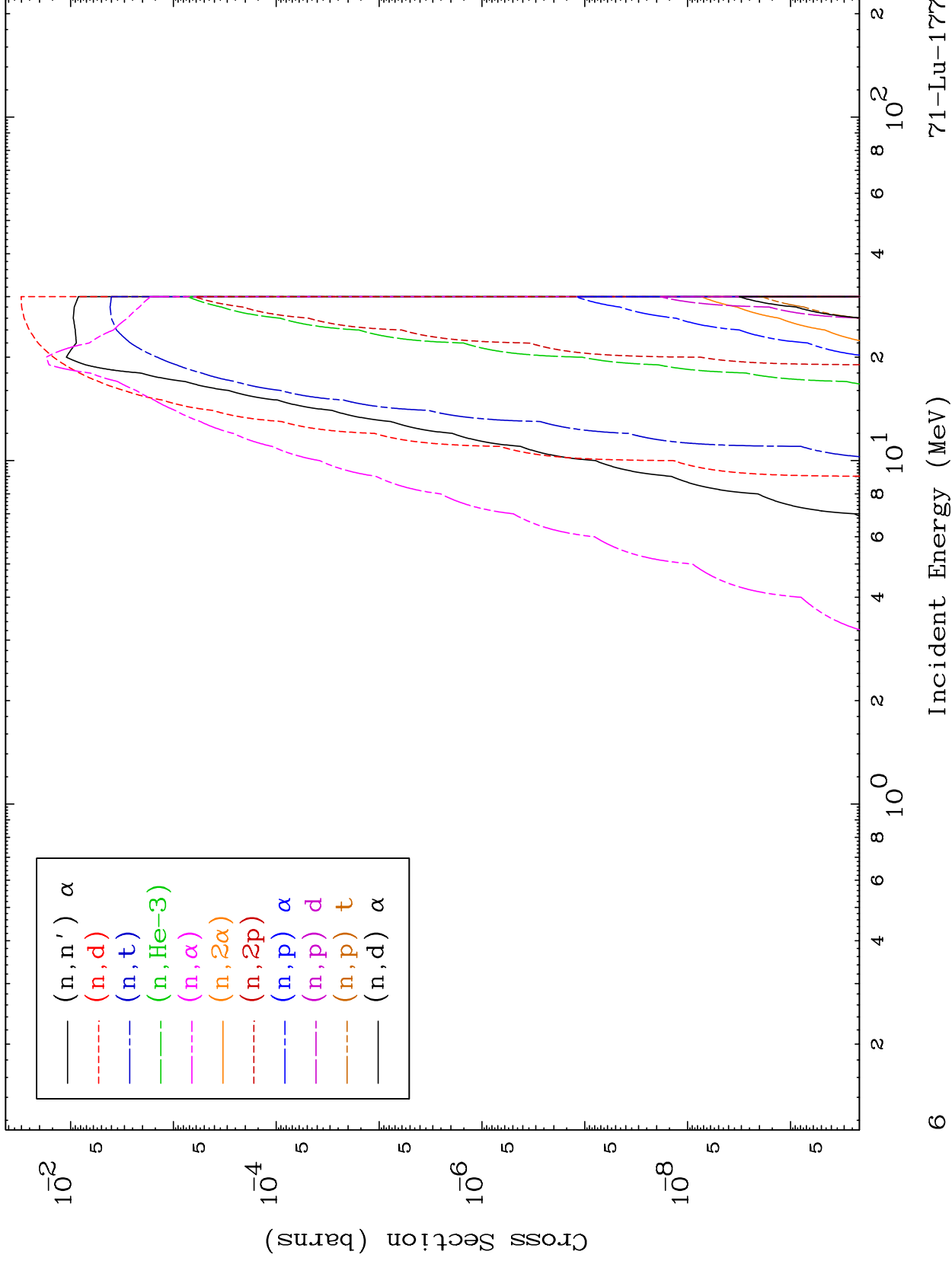
71-Lu-177



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Proton Charged Particle
0 Kelvin Cross Sections

71-Lu-177

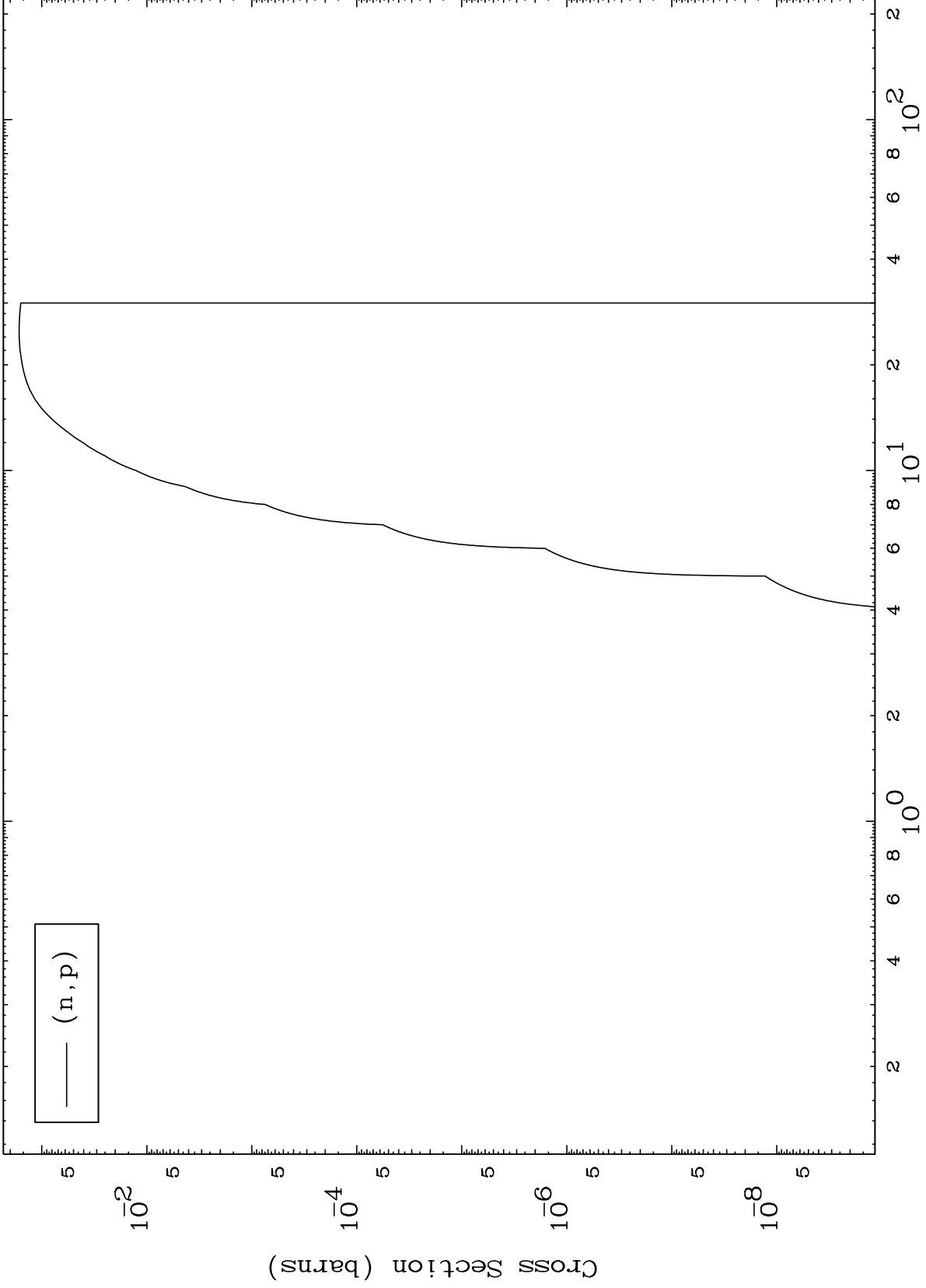


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(p,p) Levels

71-Lu-177

0 Kelvin Cross Sections

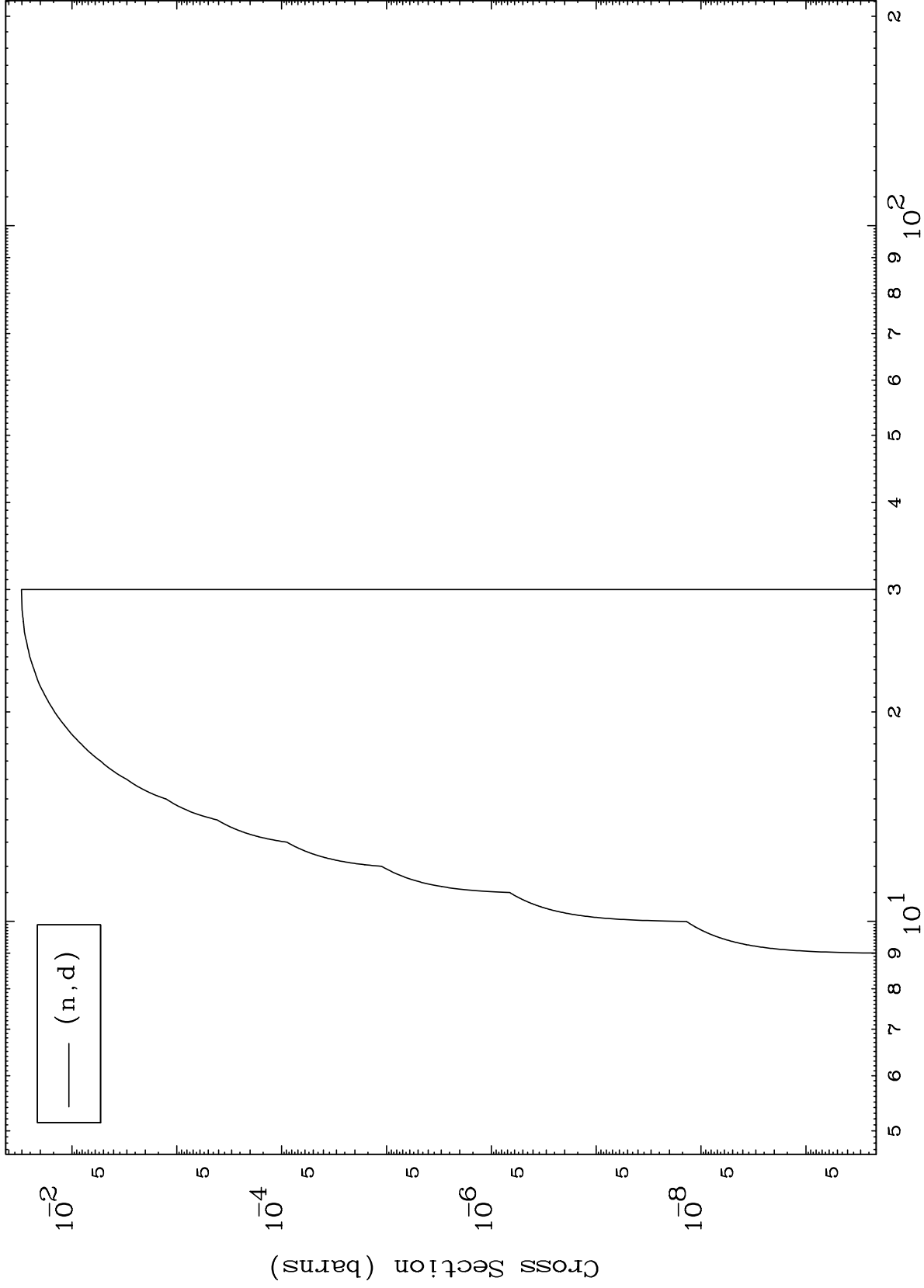


(n,p)

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(p,d) Levels
0 Kelvin Cross Sections

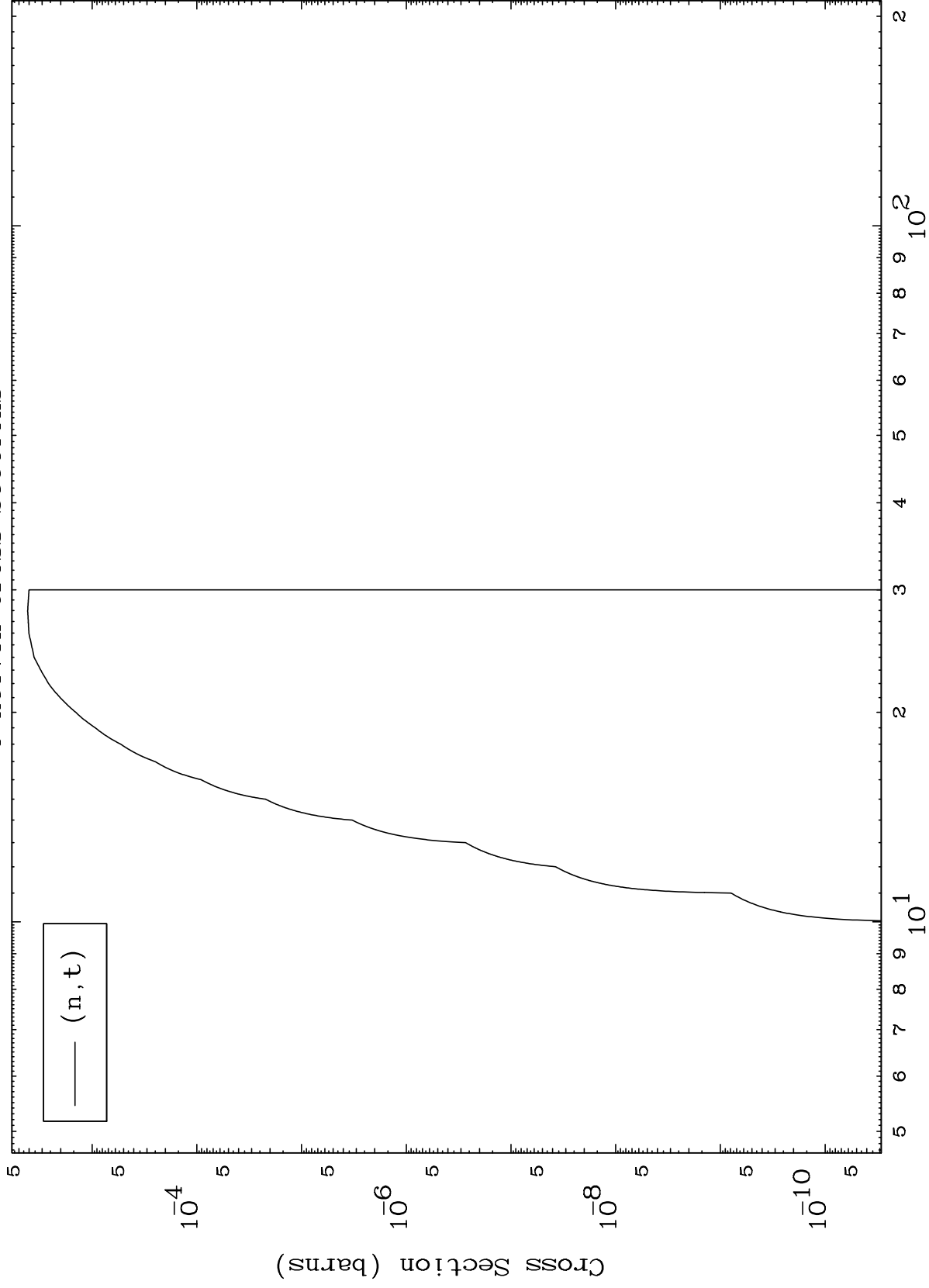
71-Lu-177



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(p,t) Levels
0 Kelvin Cross Sections

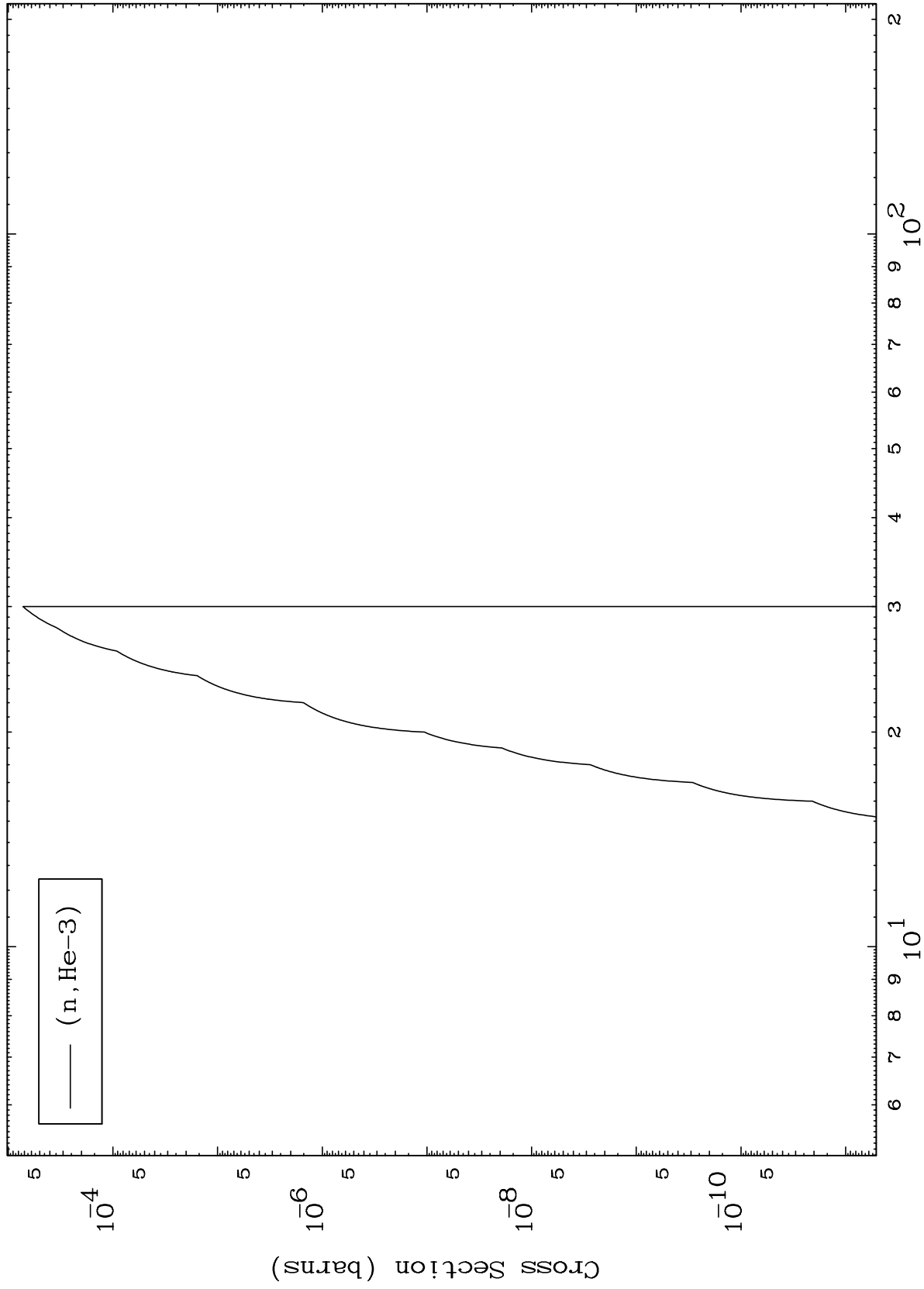
71-Lu-177



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(p,He3) Levels
0 Kelvin Cross Sections

71-Lu-177



10

Incident Energy (MeV)

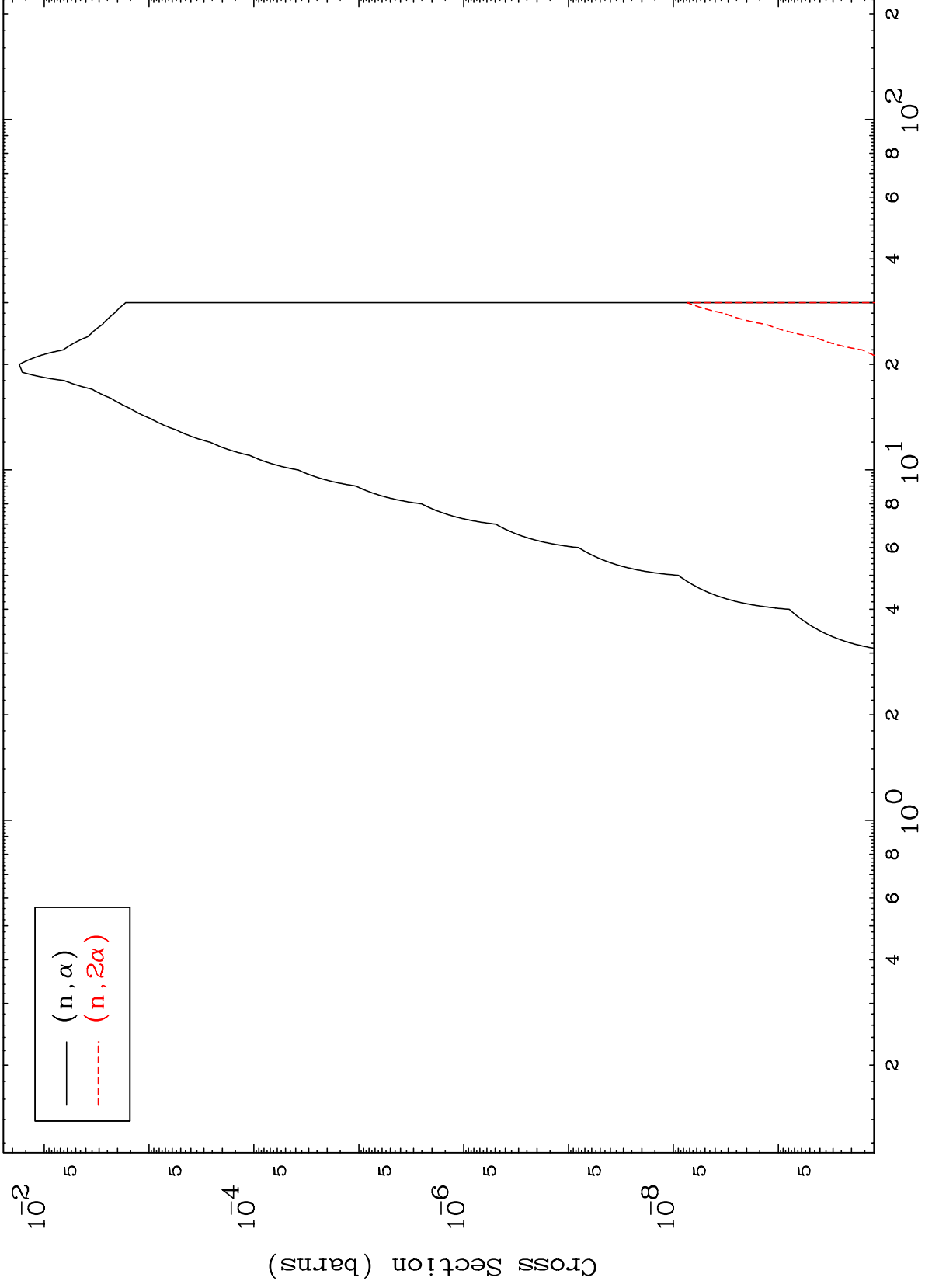
71-Lu-177

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(p, α) Levels

⁷¹Lu-177

0 Kelvin Cross Sections

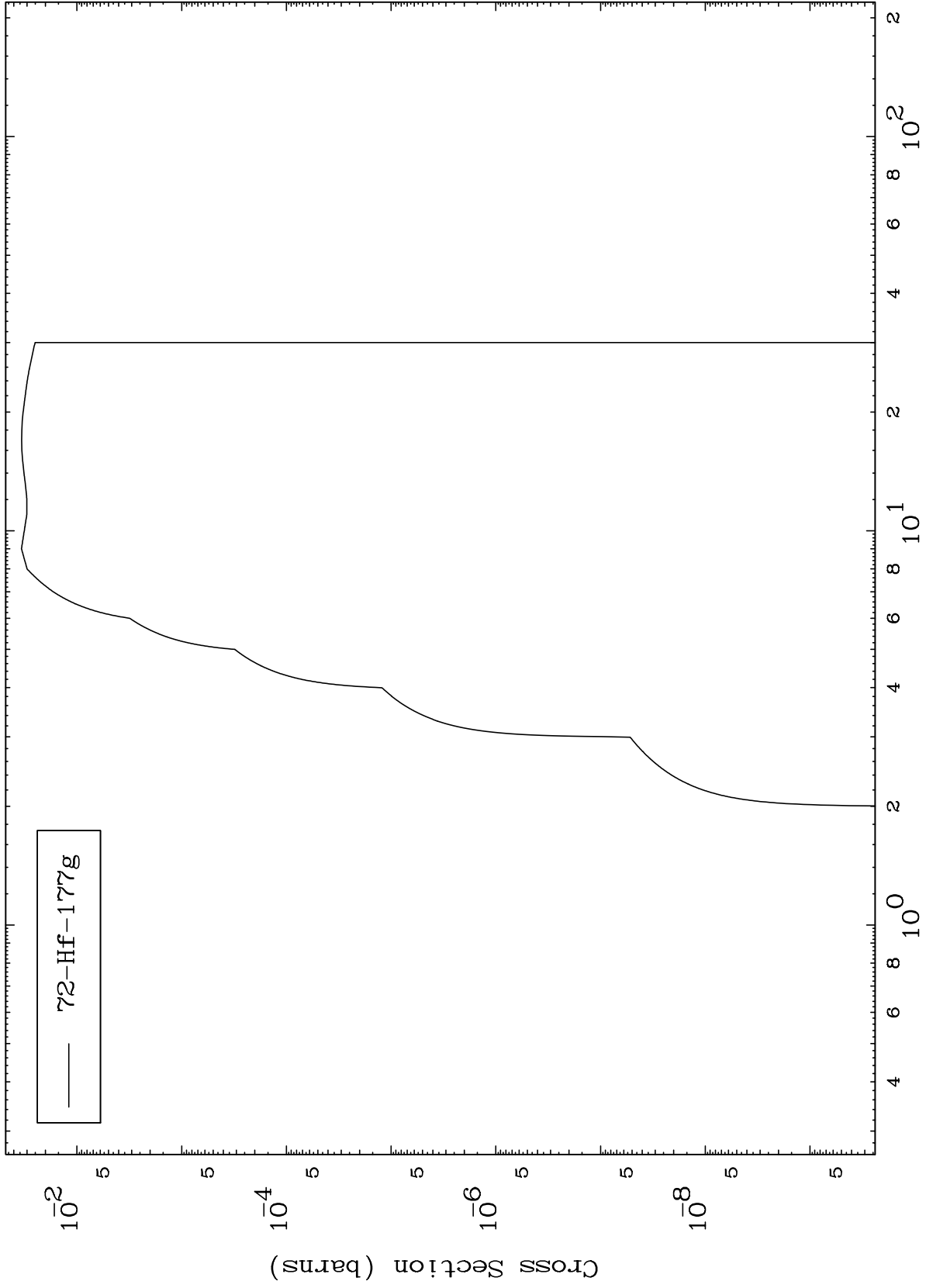


— (n, α)
- - - (n, 2α)

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71-Lu-177

Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

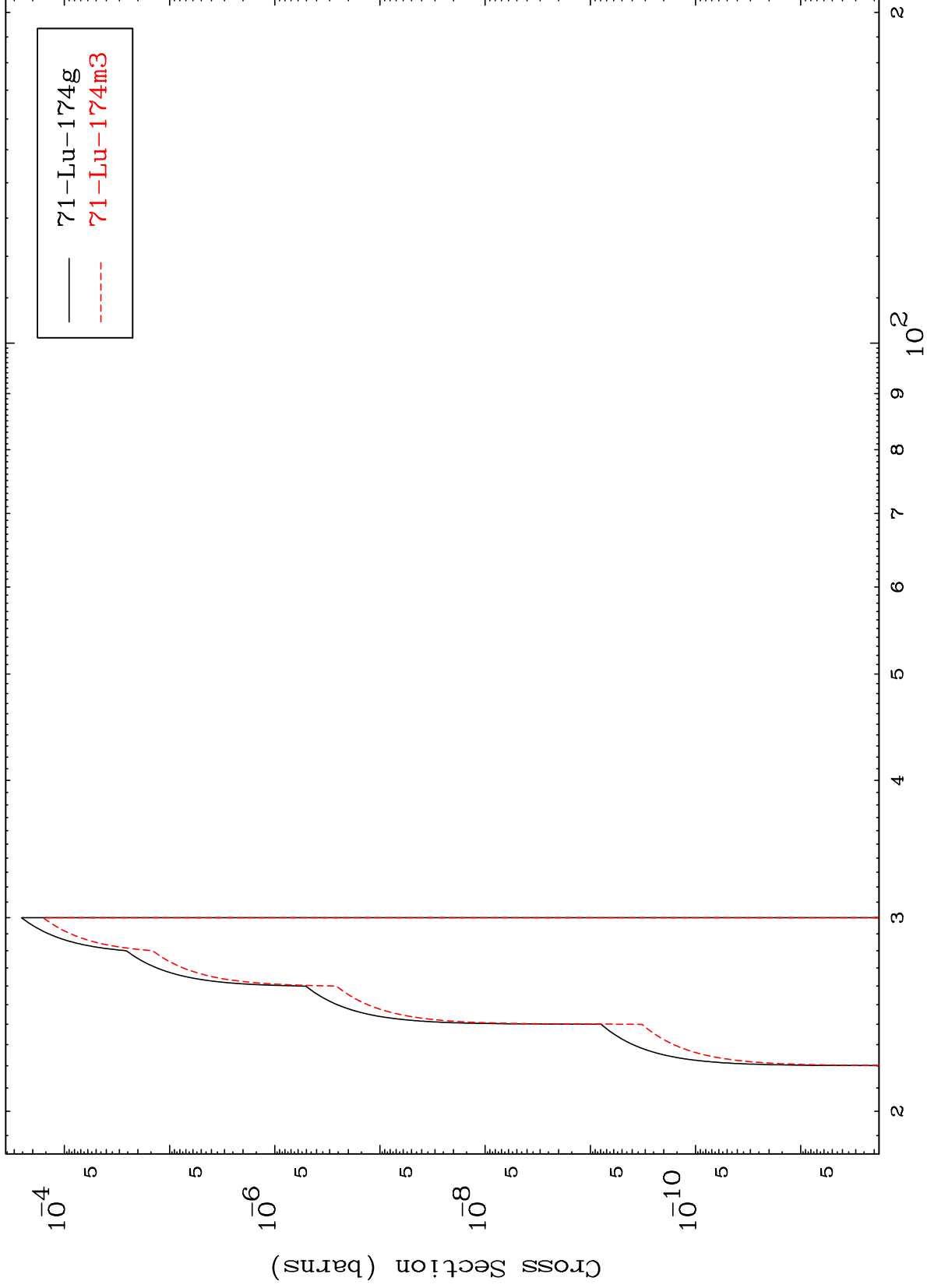
71-Lu-177

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(n,2n) d

⁷¹Lu-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

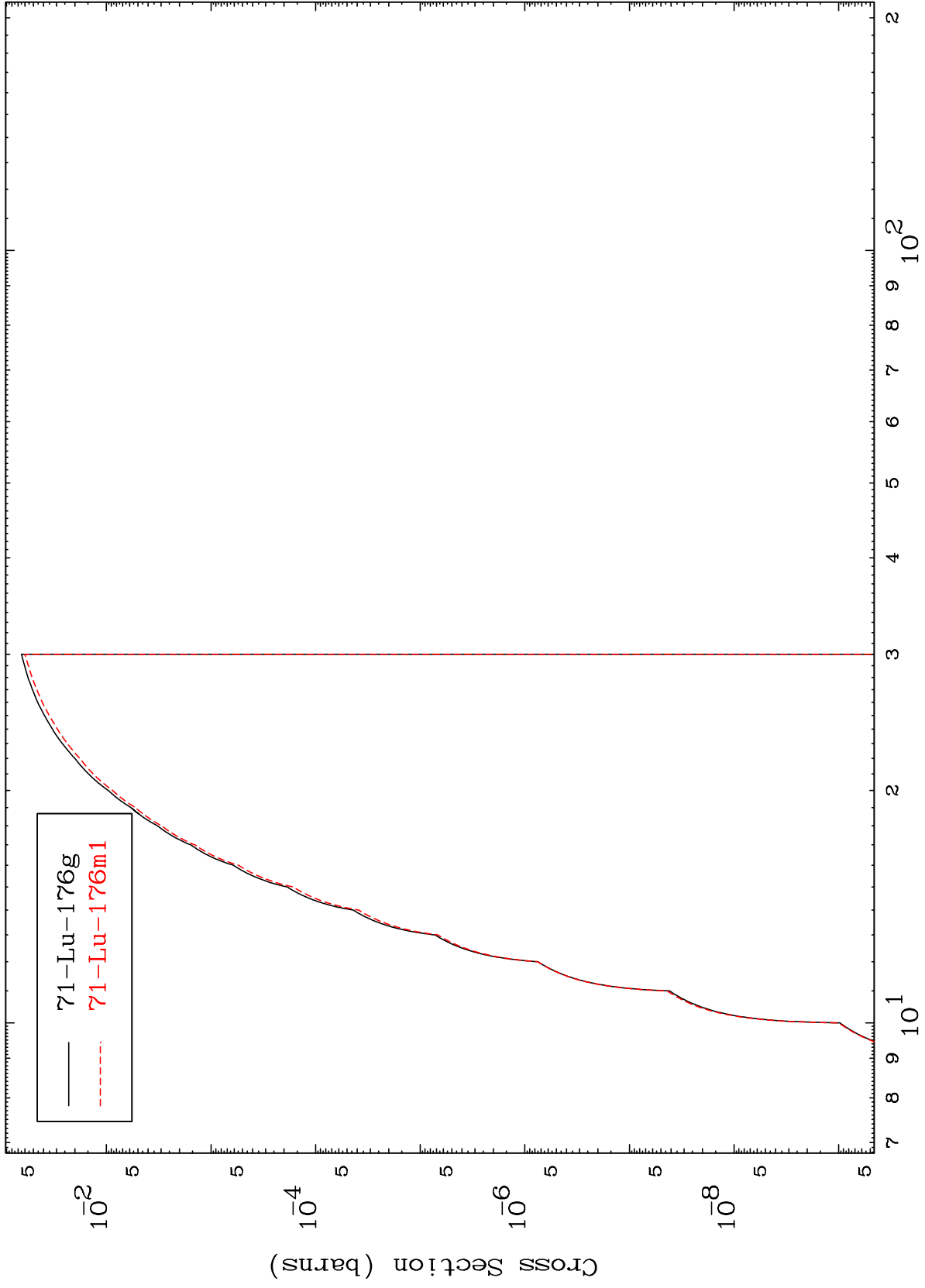
⁷¹Lu-177

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(n,n') p

⁷¹Lu-177

Radionuclide Production Cross Section

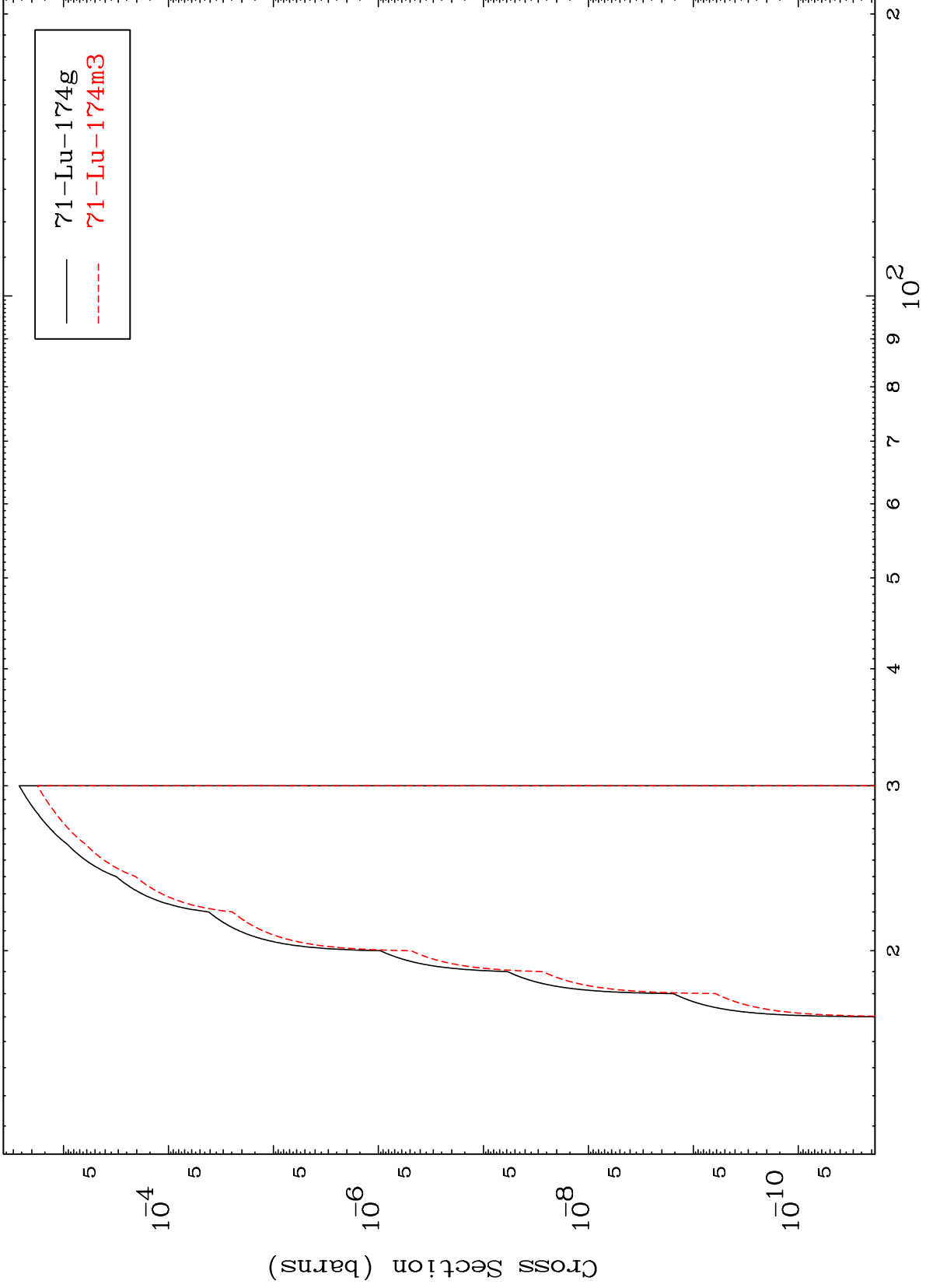


14

Incident Energy (MeV)

⁷¹Lu-177

Radionuclide Production Cross Section

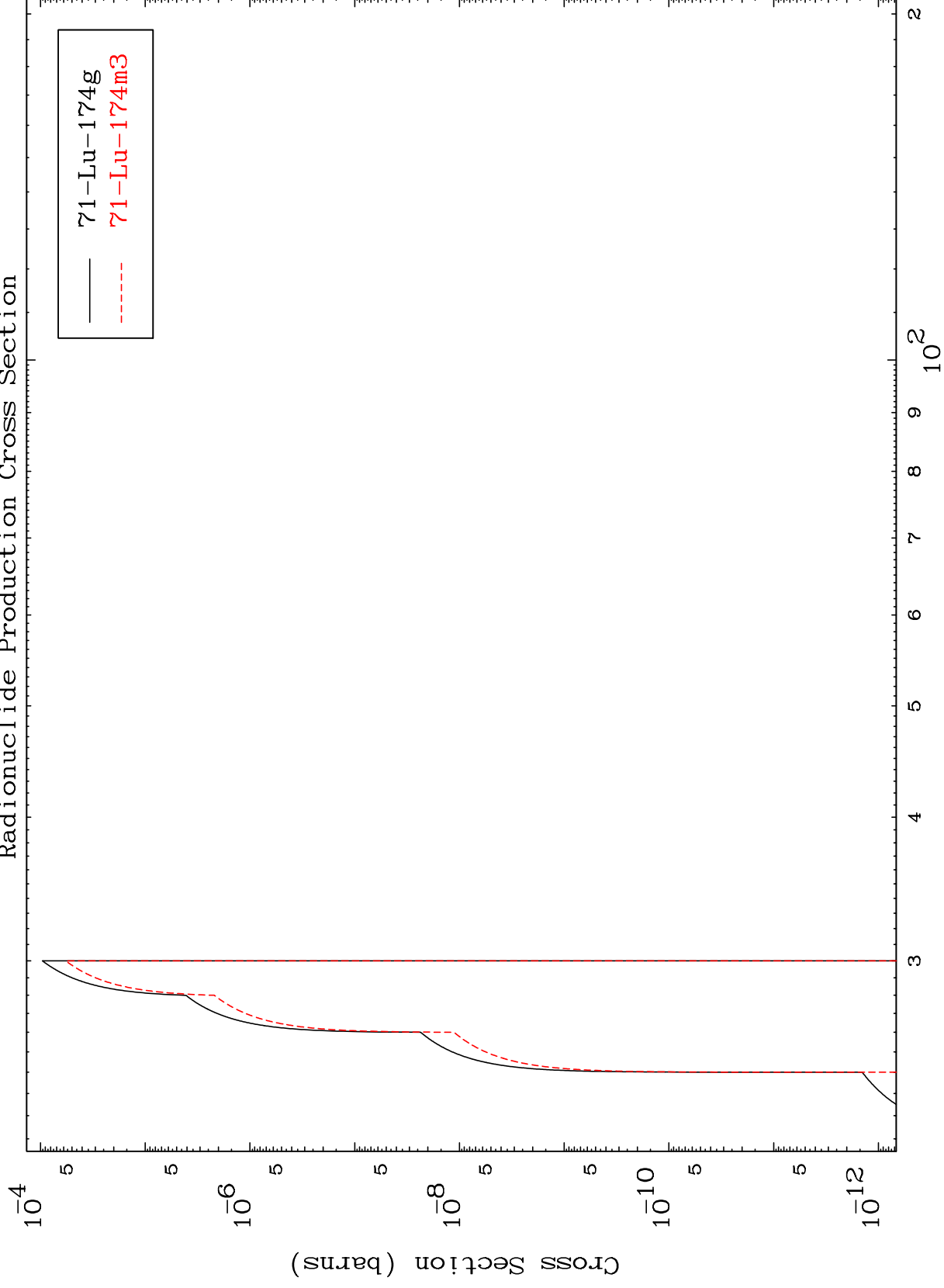


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(n,3n) p

⁷¹Lu-177

Radionuclide Production Cross Section



16

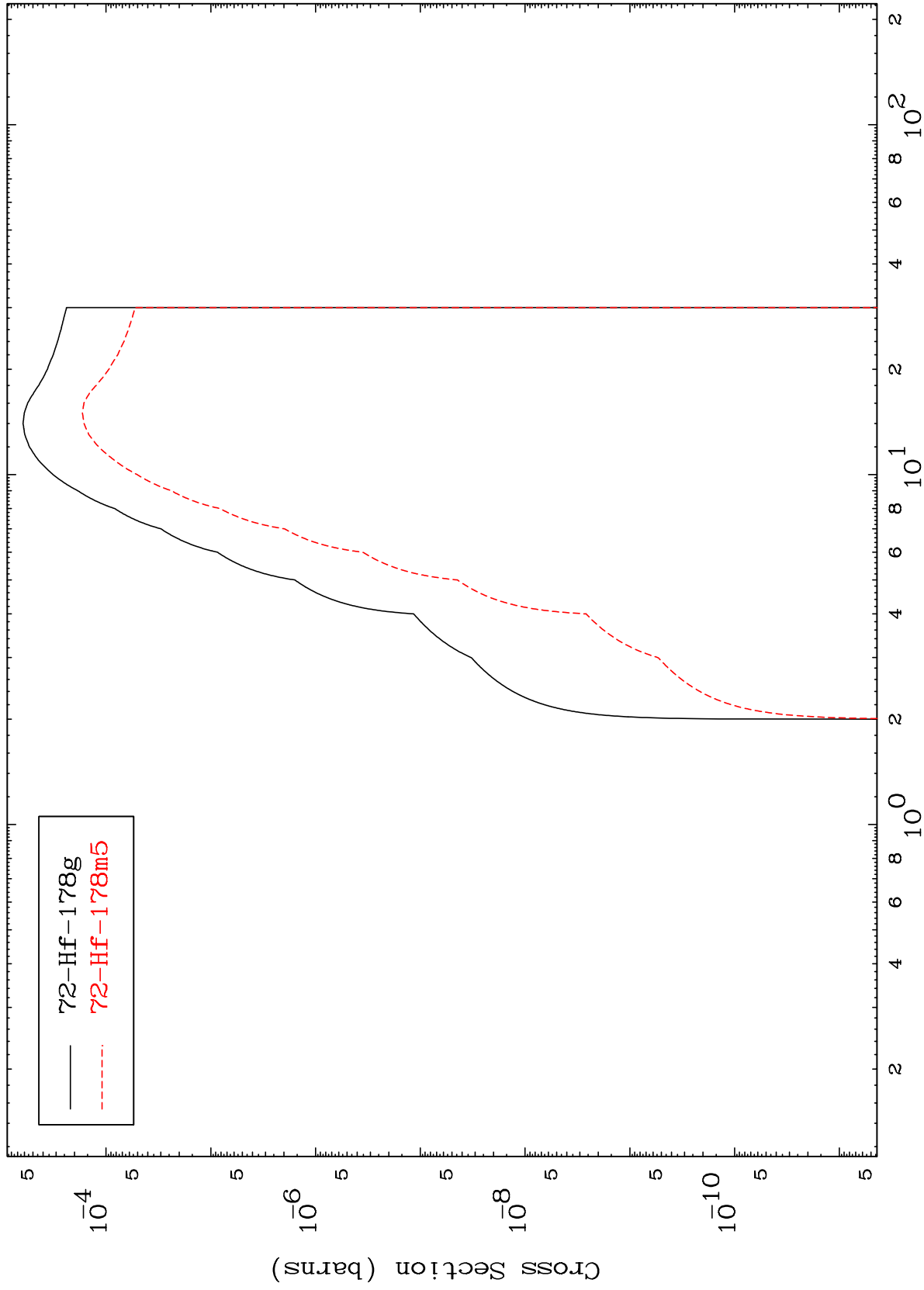
Incident Energy (MeV)

⁷¹Lu-177

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71-Lu-177

(n, γ)
Radionuclide Production Cross Section



17

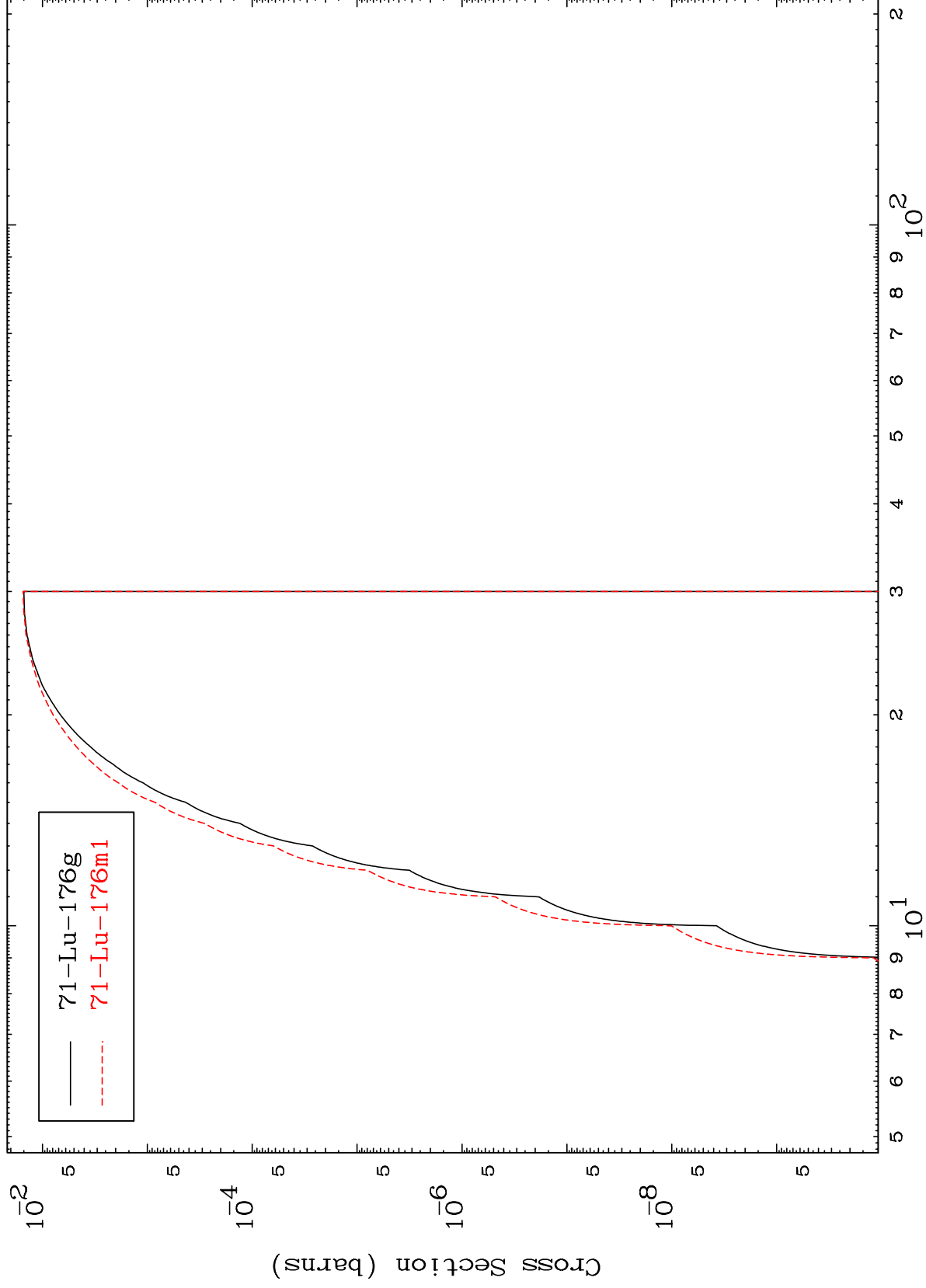
71-Lu-177

Incident Energy (MeV)

MAT 7131

⁷¹Lu-177

(n,d)
Radionuclide Production Cross Section



⁷¹Lu-177

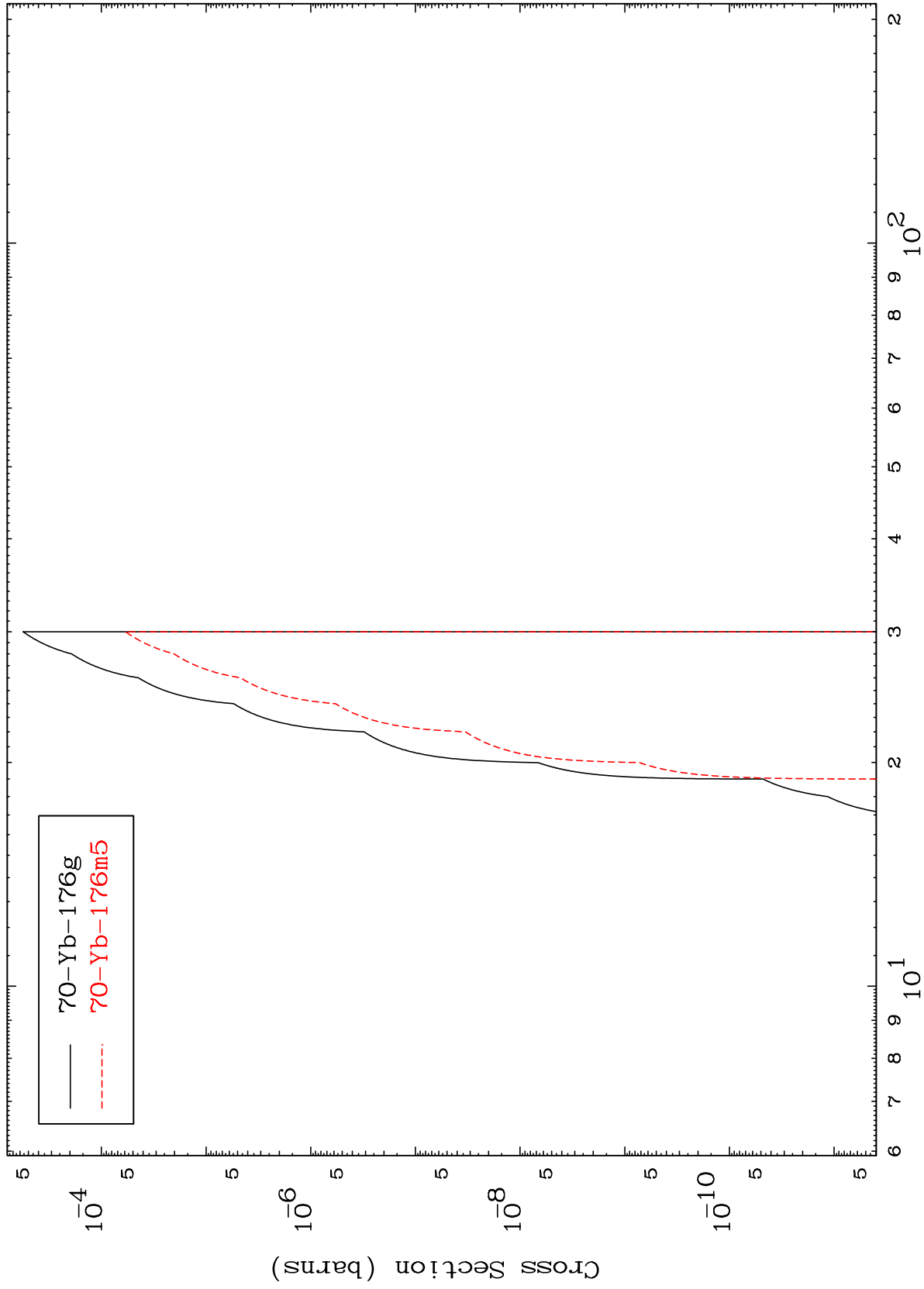
Incident Energy (MeV)

18

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71-Lu-177

Radionuclide Production Cross Section (n,2p)



70-Yb-176g
70-Yb-176m5

71-Lu-177

Incident Energy (MeV)

19