

Program EVALPLOT
(Version 2018-1)

by

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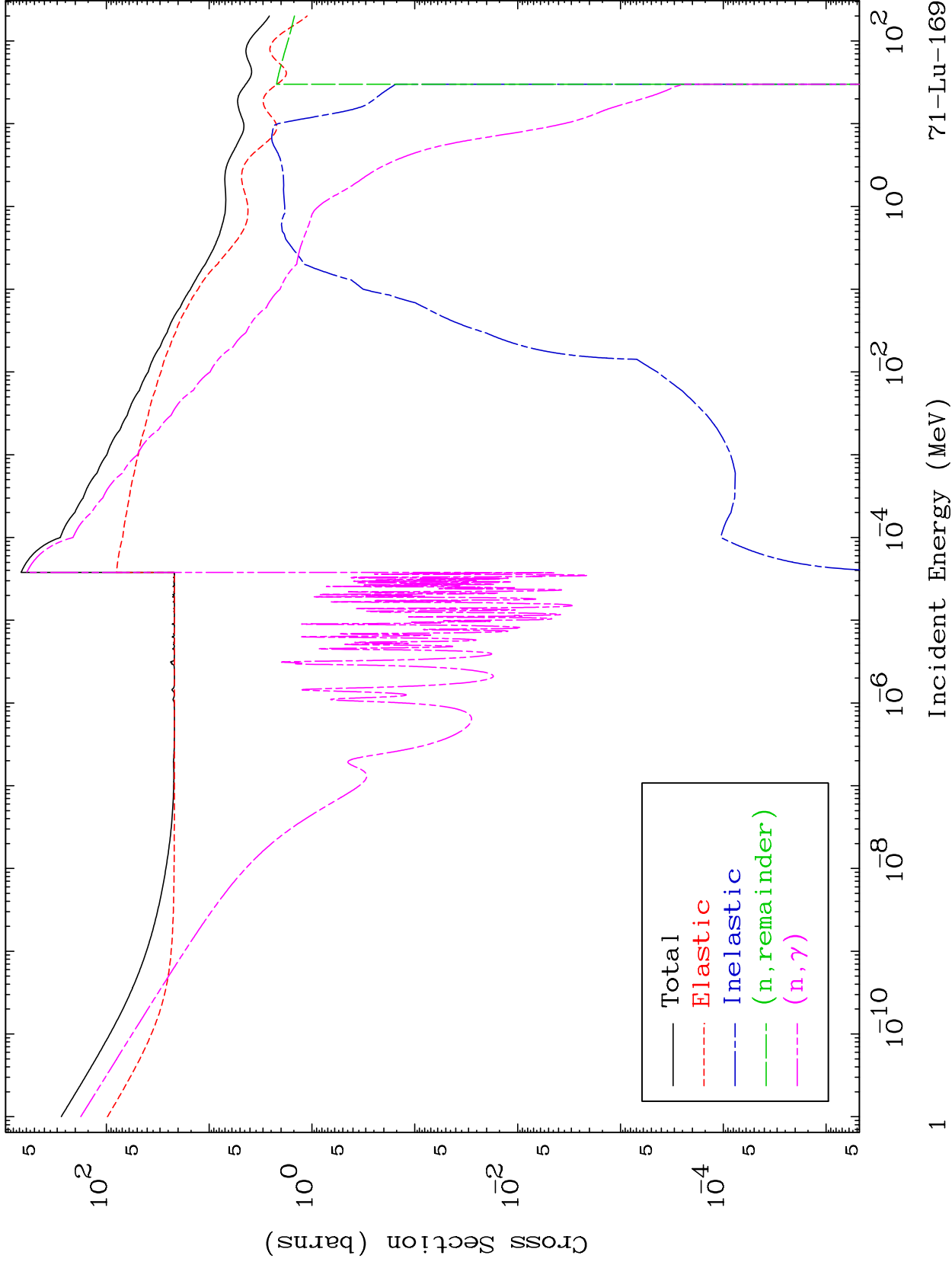
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7108

Major
293 Kelvin Cross Sections

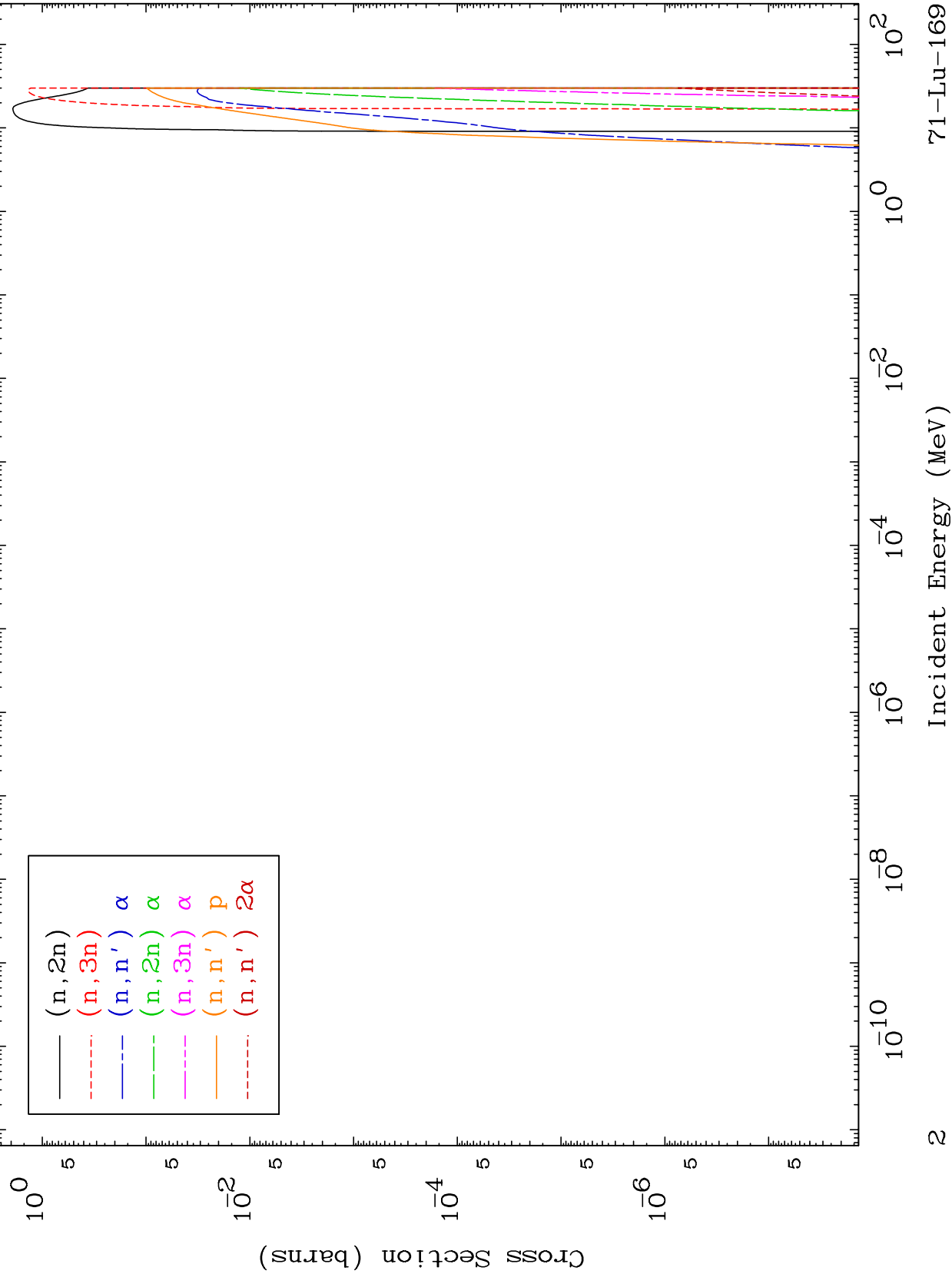
71-Lu-169

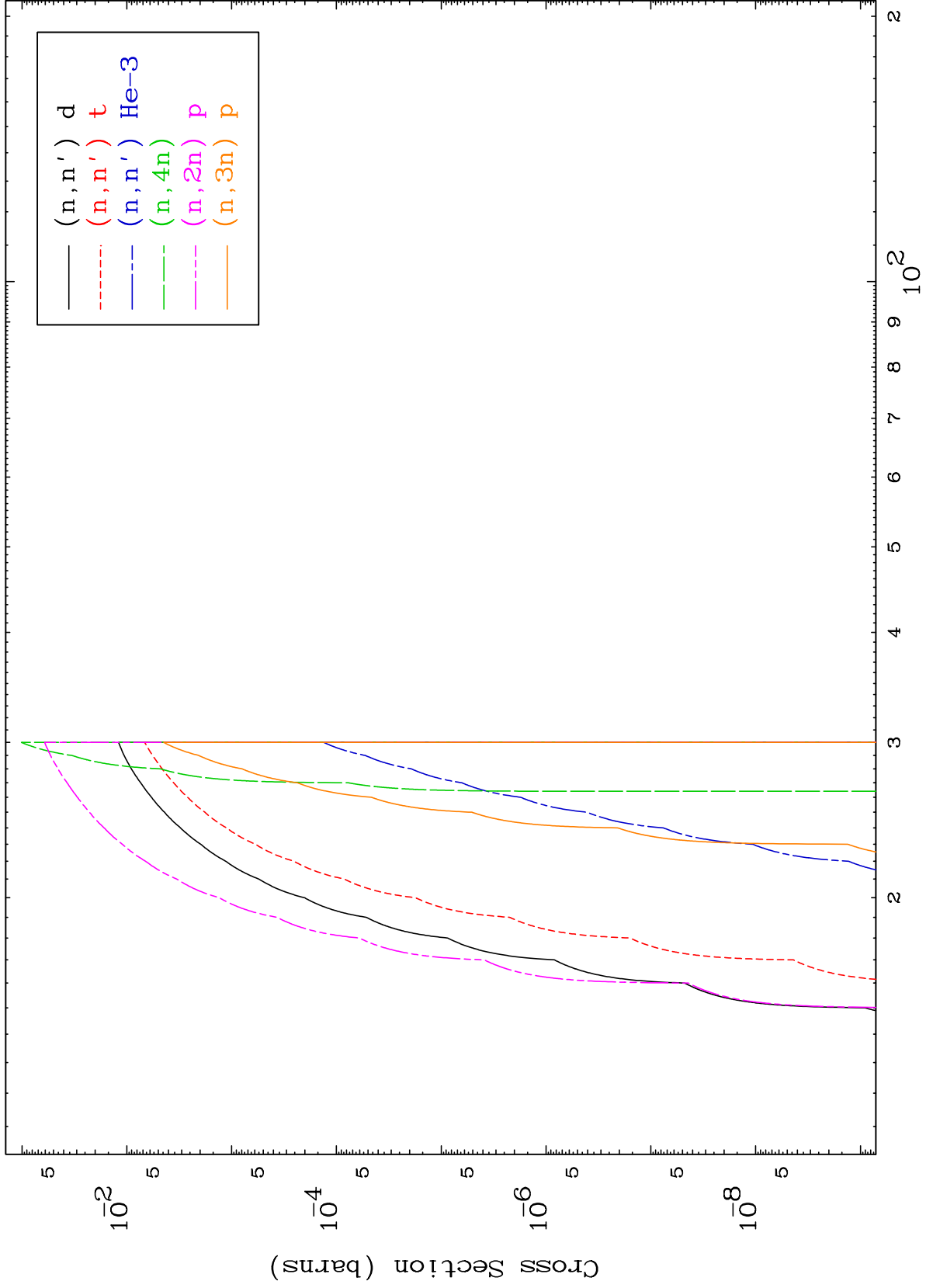


MAT 7108

Neutron Production
293 Kelvin Cross Sections

71-Lu-169

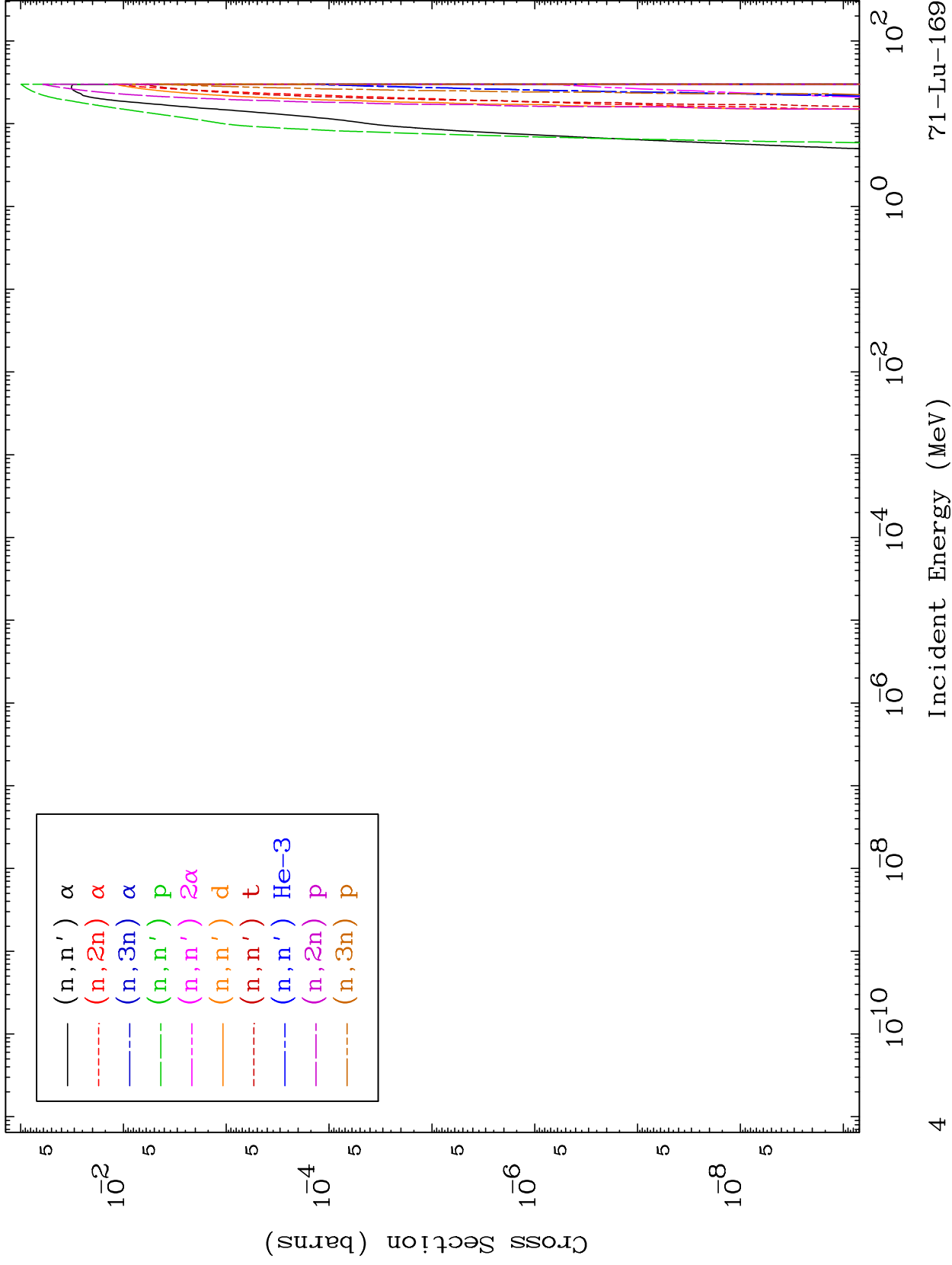


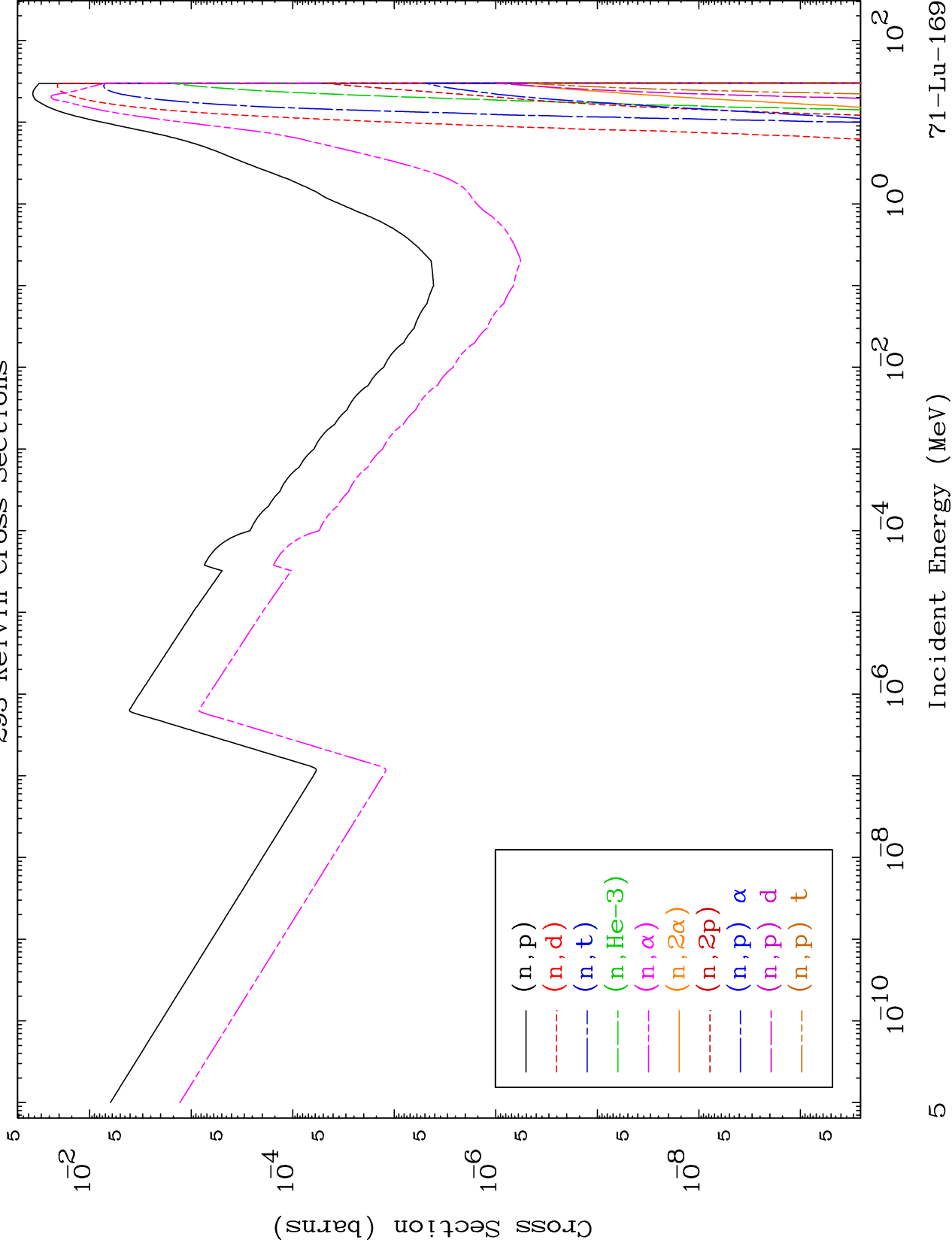


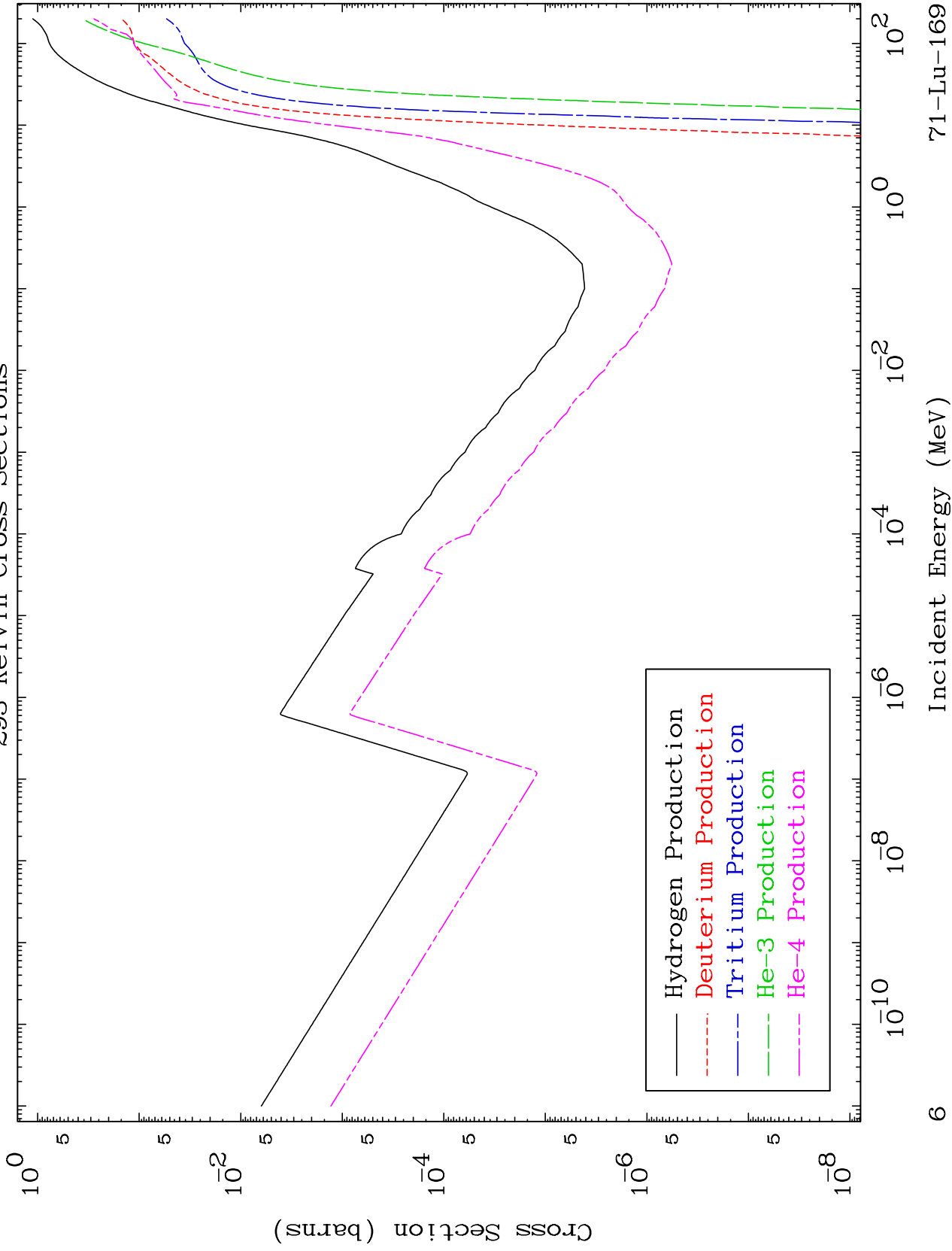
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Charged Particle
293 Kelvin Cross Sections

71-Lu-169





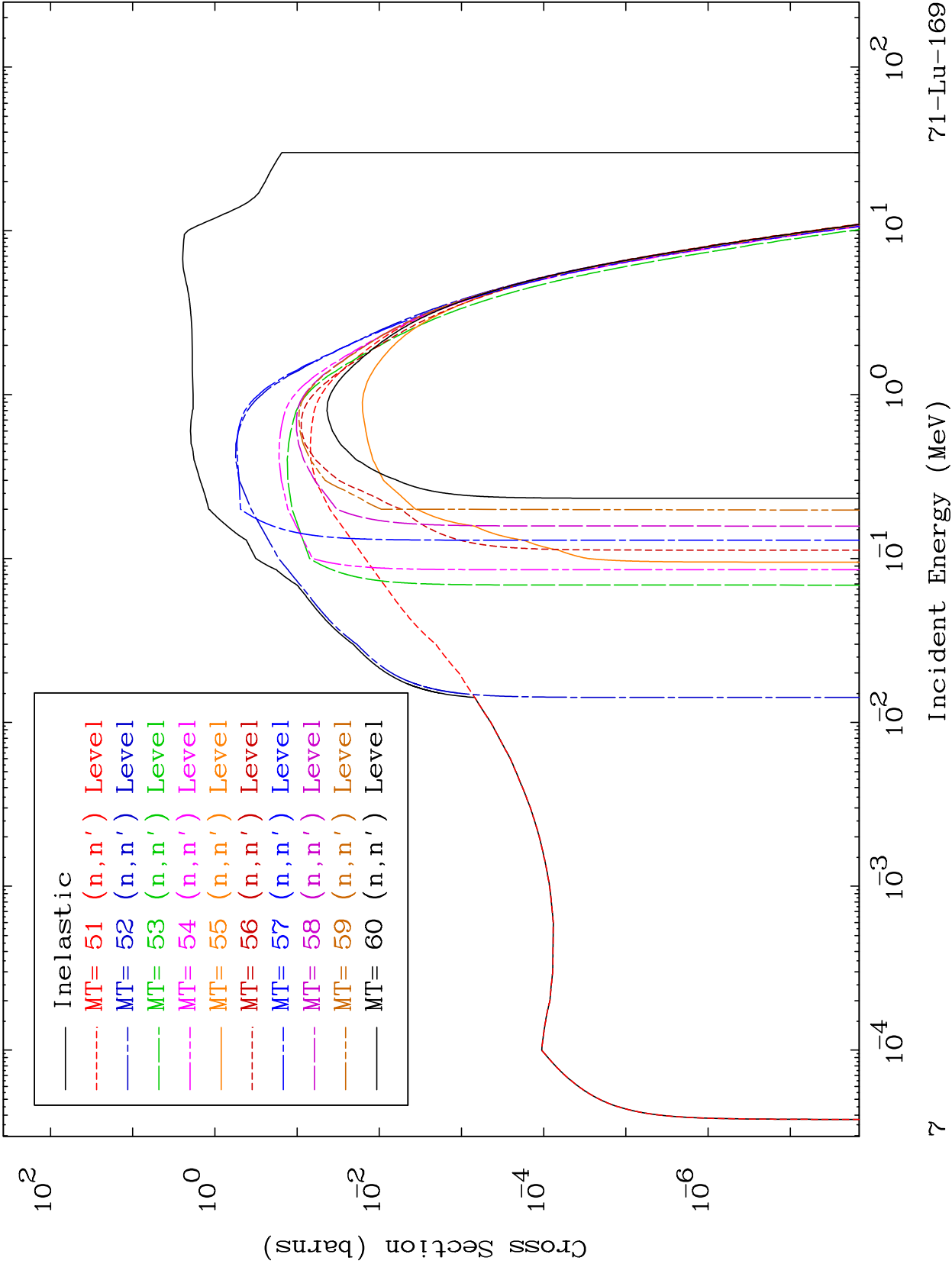


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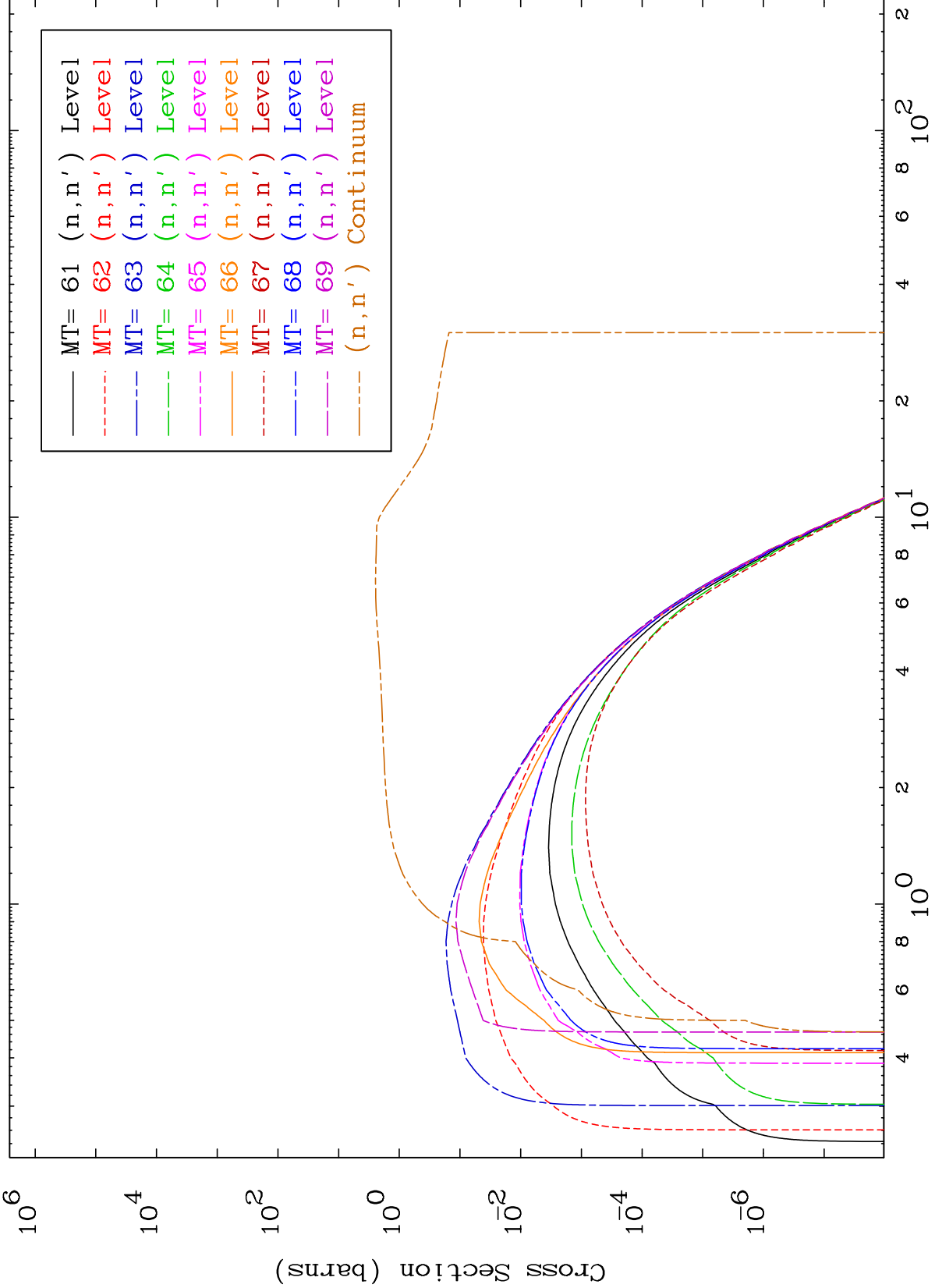
293 Kelvin Cross Sections

(n,n') Level

71-Lu-169



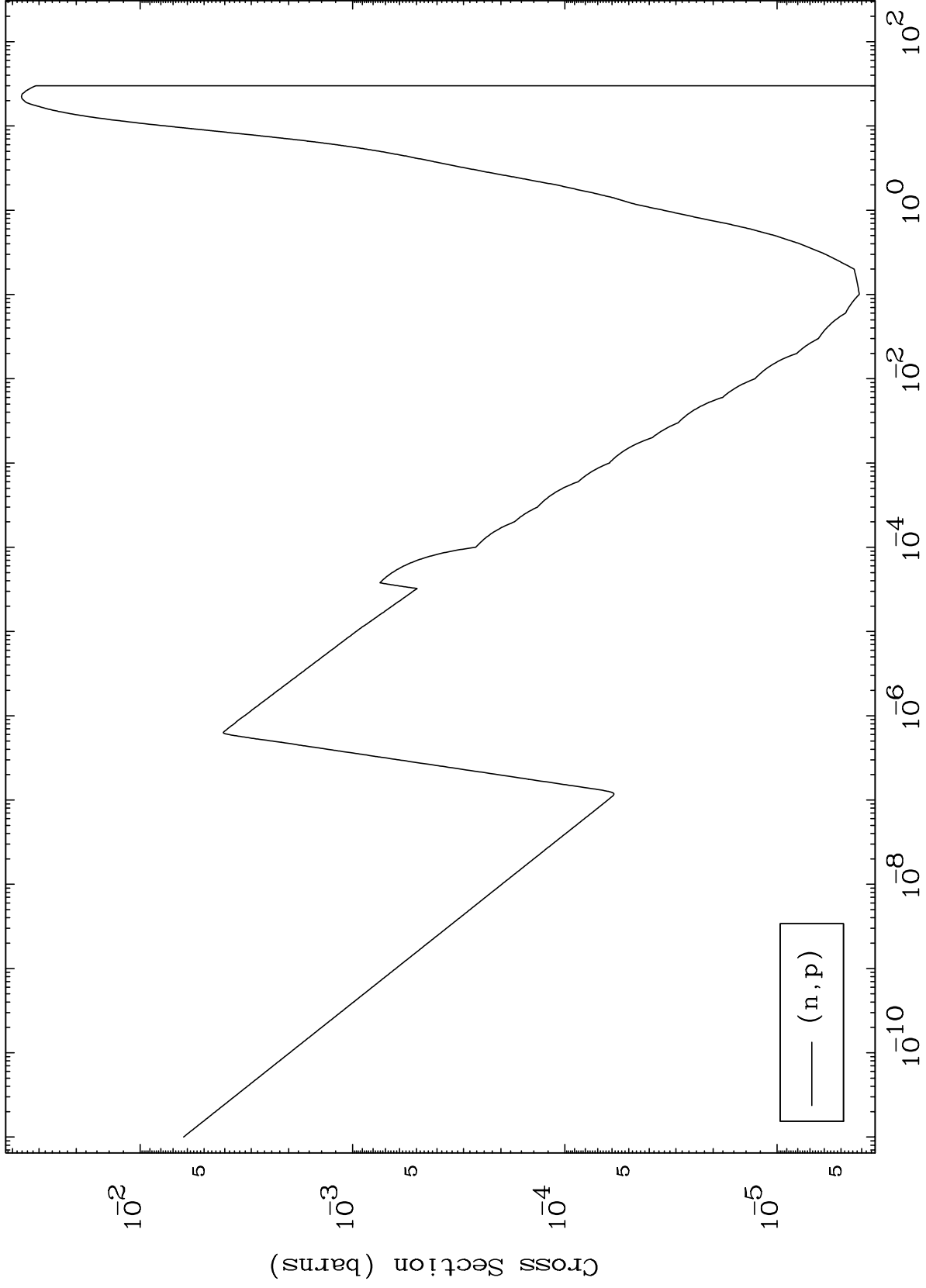
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

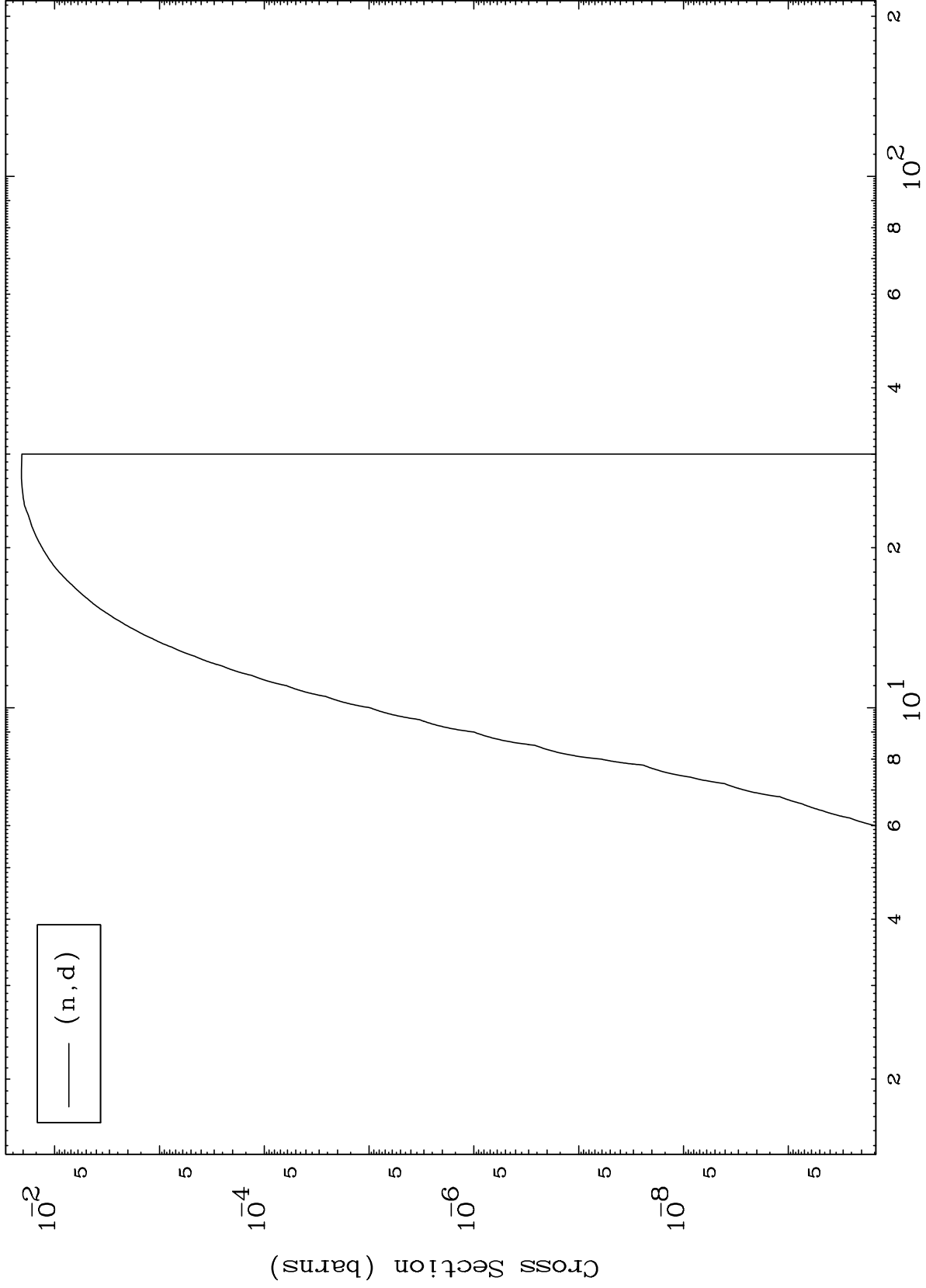
71-Lu-169



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(n,d) Levels
293 Kelvin Cross Sections

71-Lu-169



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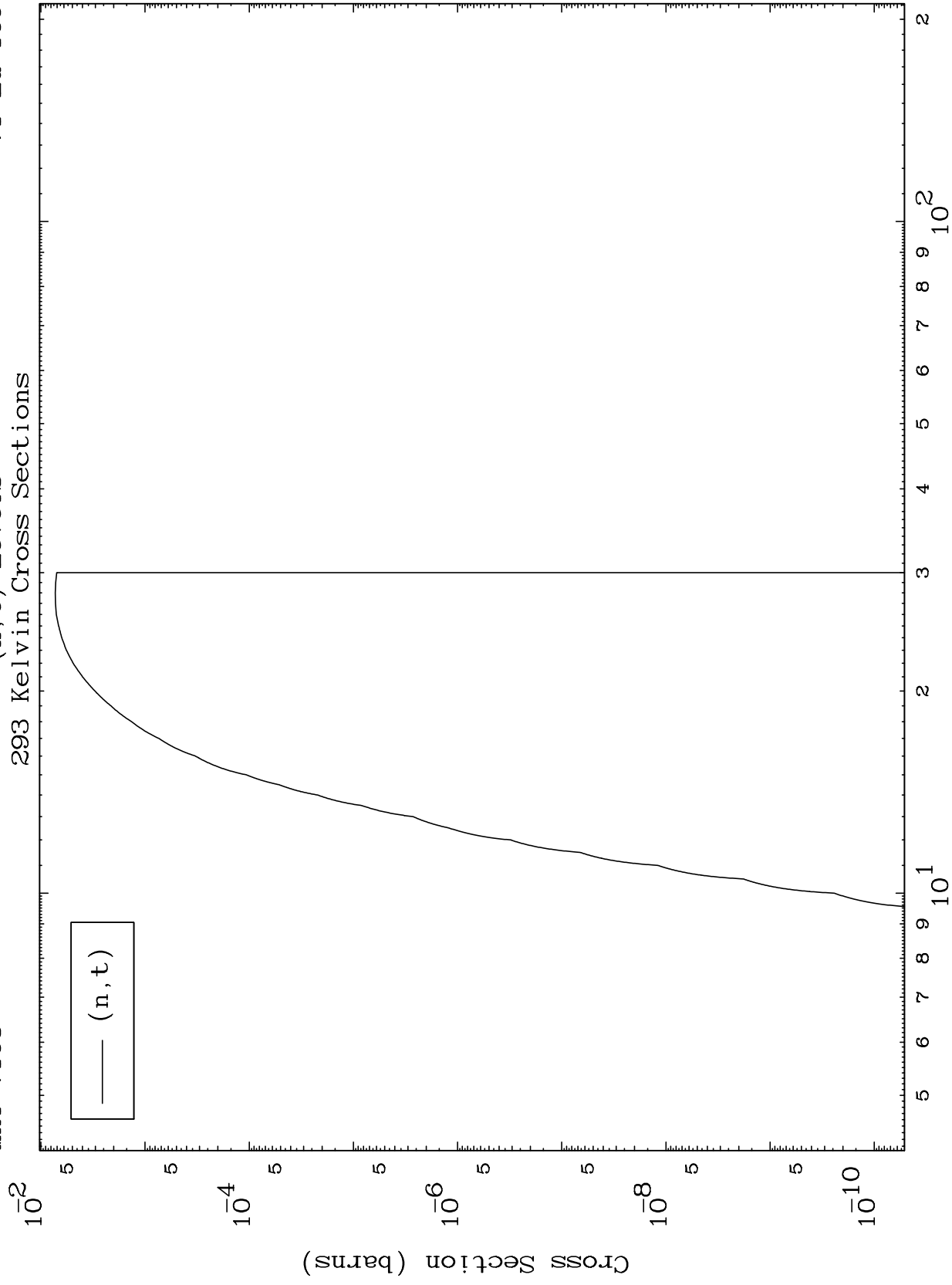
Incident Energy (MeV)

71-Lu-169

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(n,t) Levels
293 Kelvin Cross Sections

71-Lu-169



11

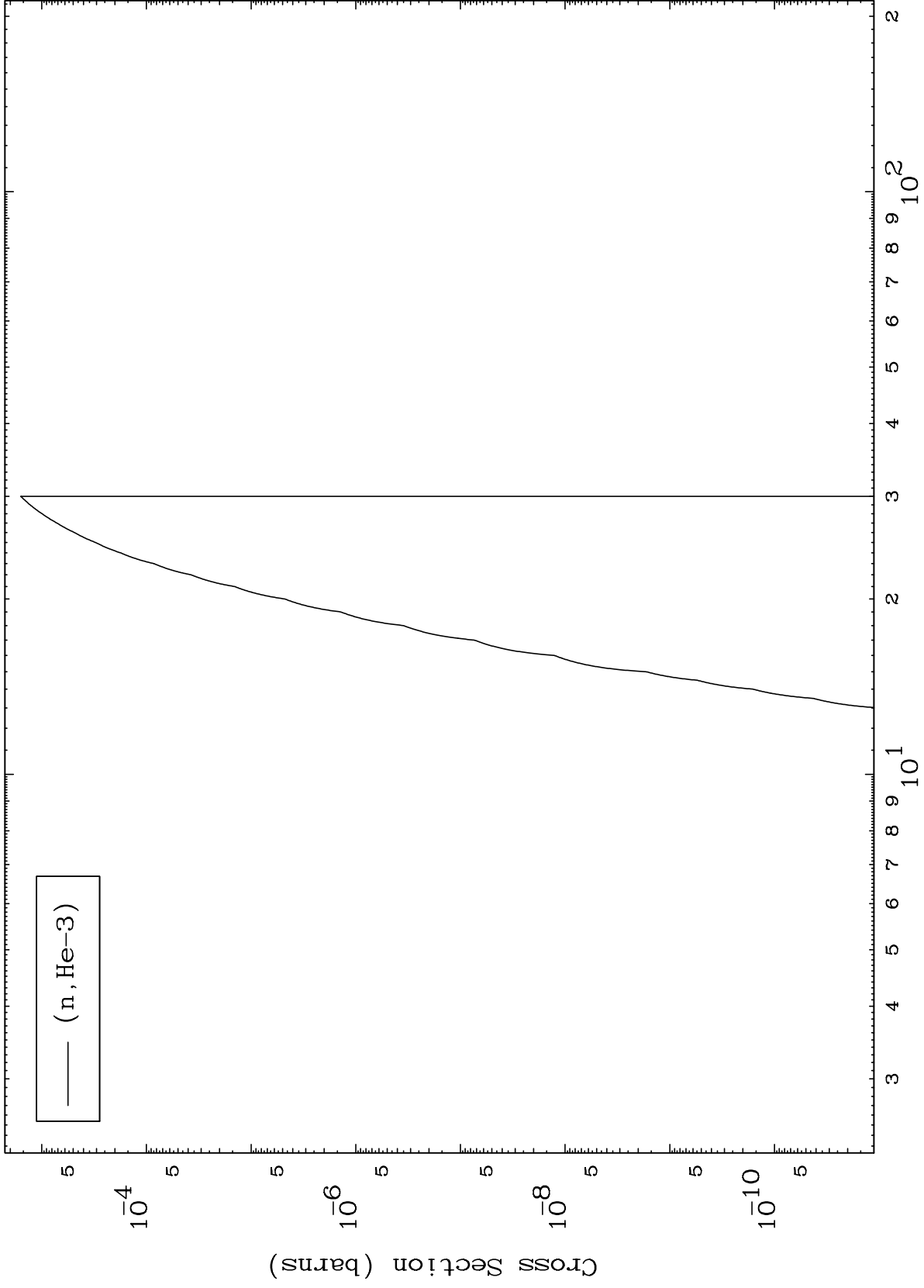
Incident Energy (MeV)

71-Lu-169

MAT 7108

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-169



12

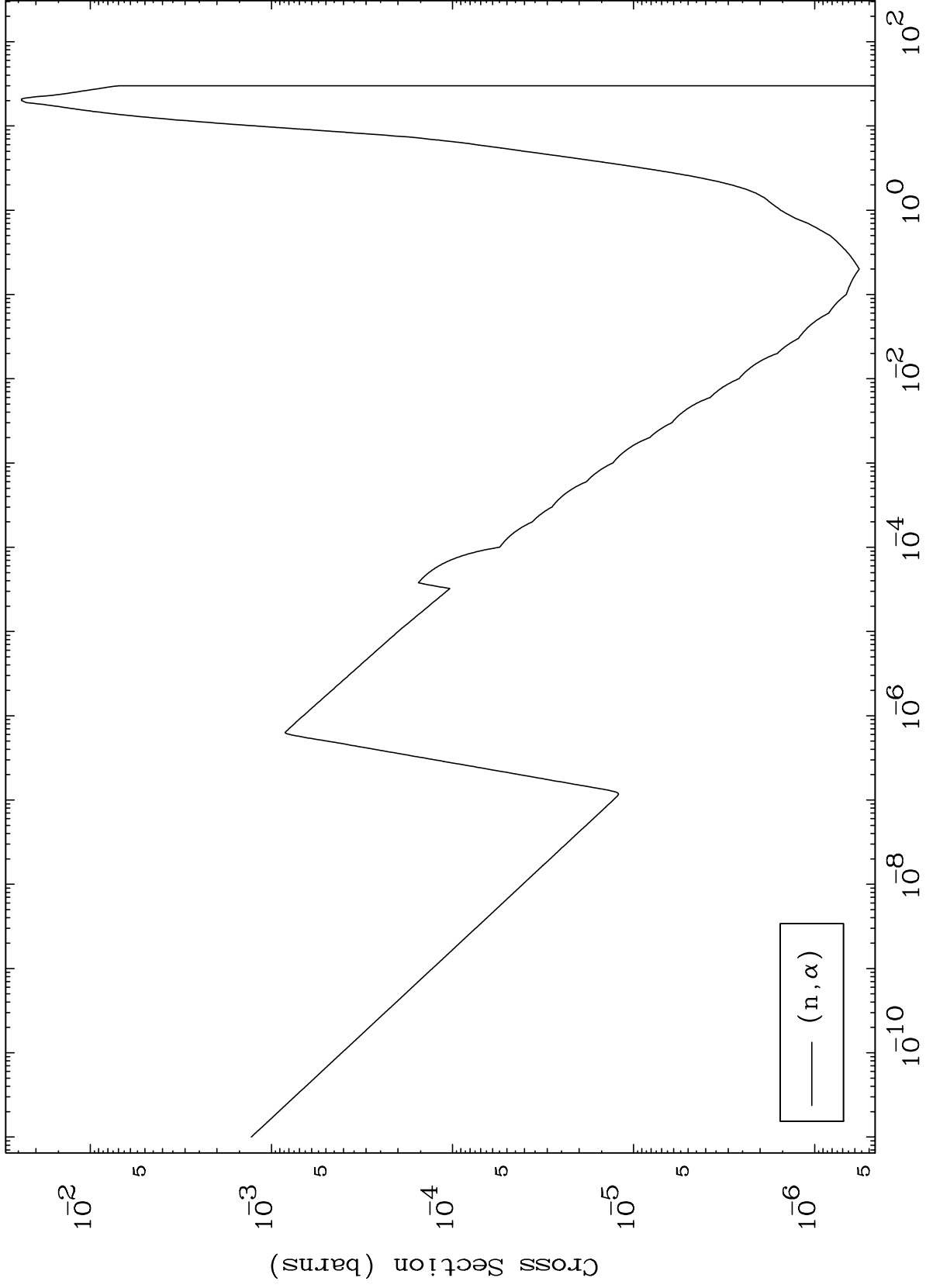
Incident Energy (MeV)

71-Lu-169

MAT 7108

(n, α) Levels
293 Kelvin Cross Sections

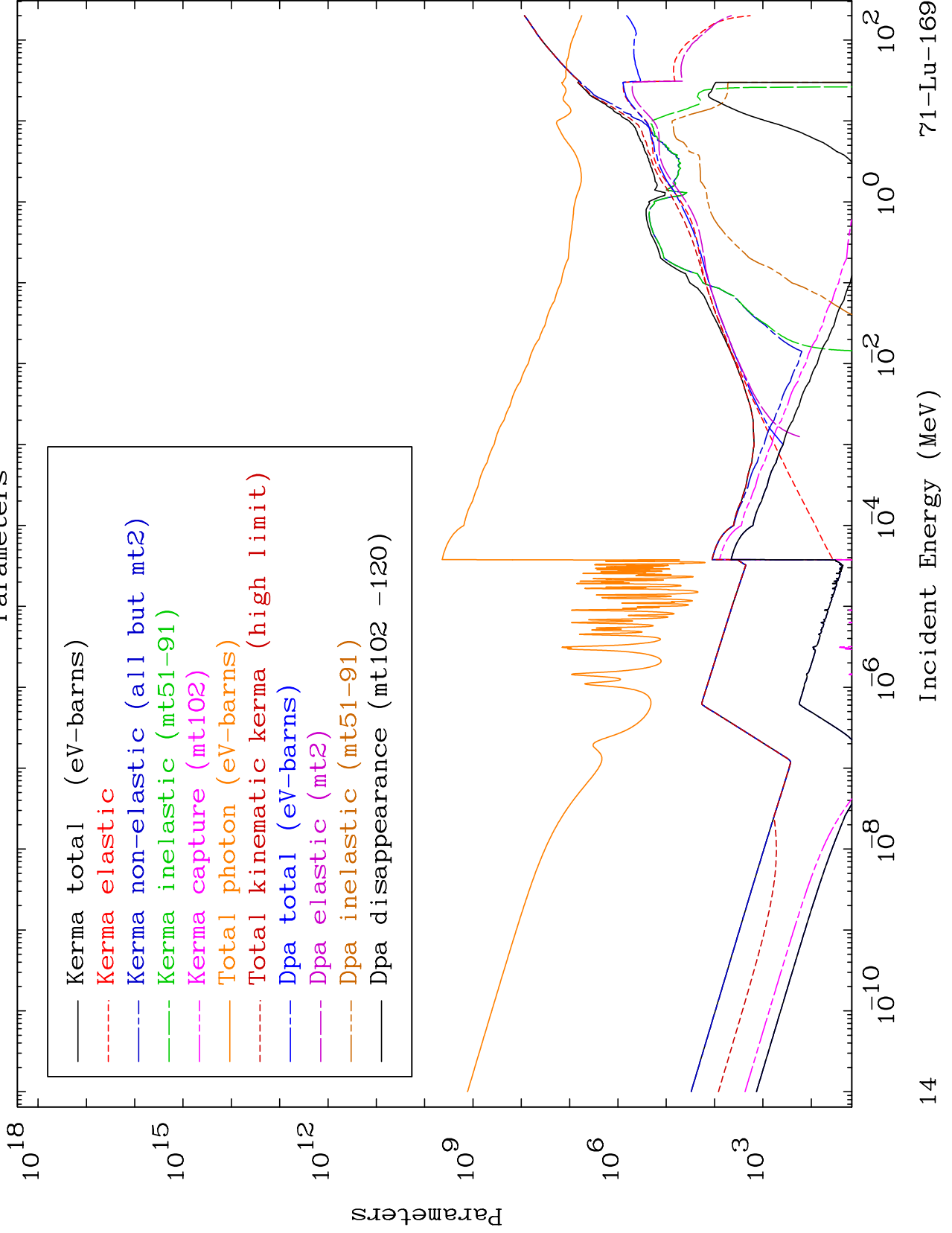
71-Lu-169



Incident Energy (MeV)

71-Lu-169

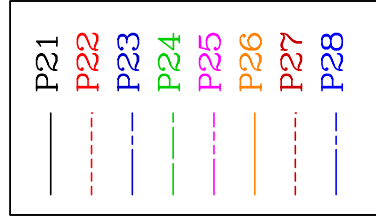
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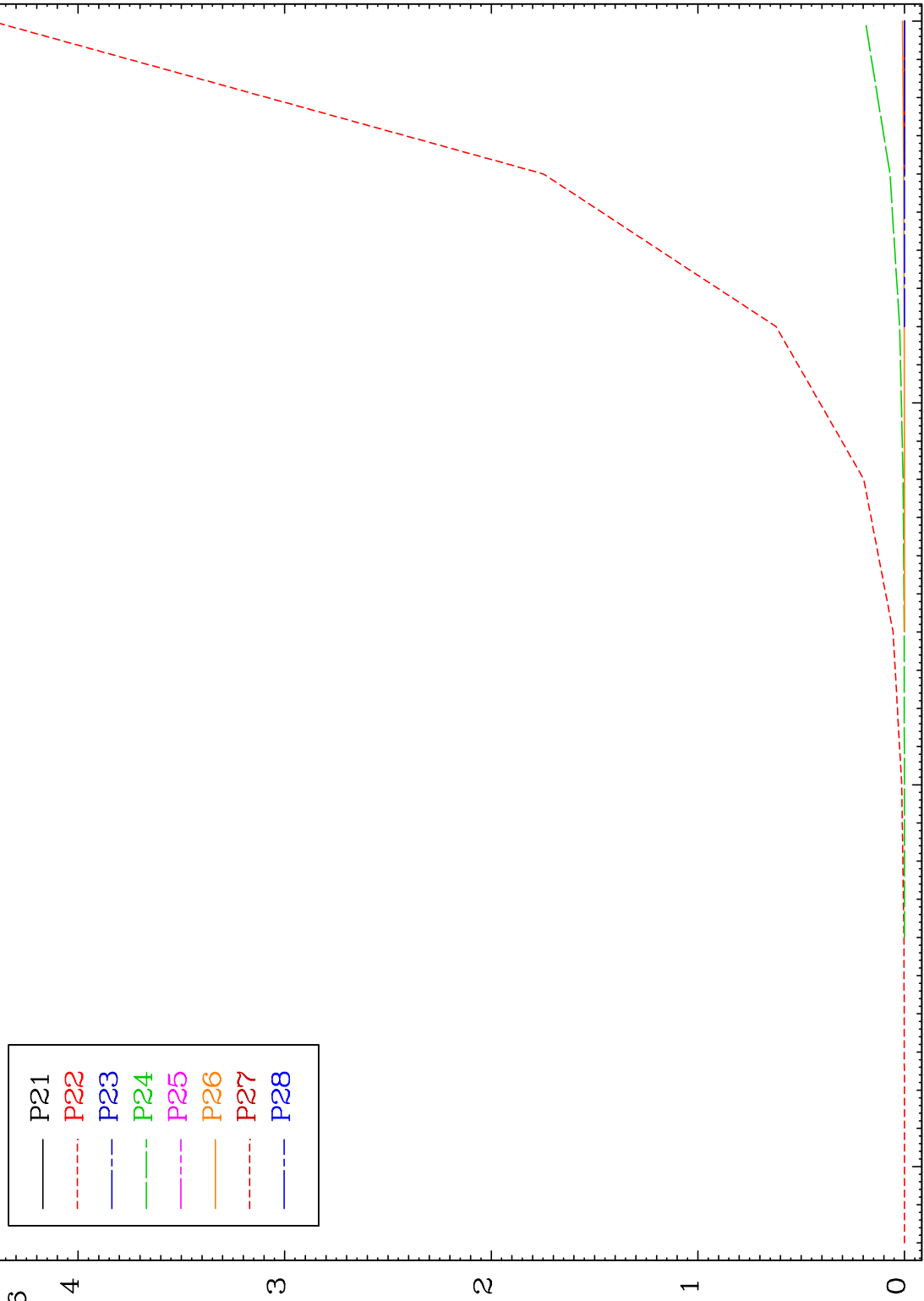
Elastic
Legendre Coefficients

71-Lu-169



$\times 10^{-6}$

Legendre (CM)



17

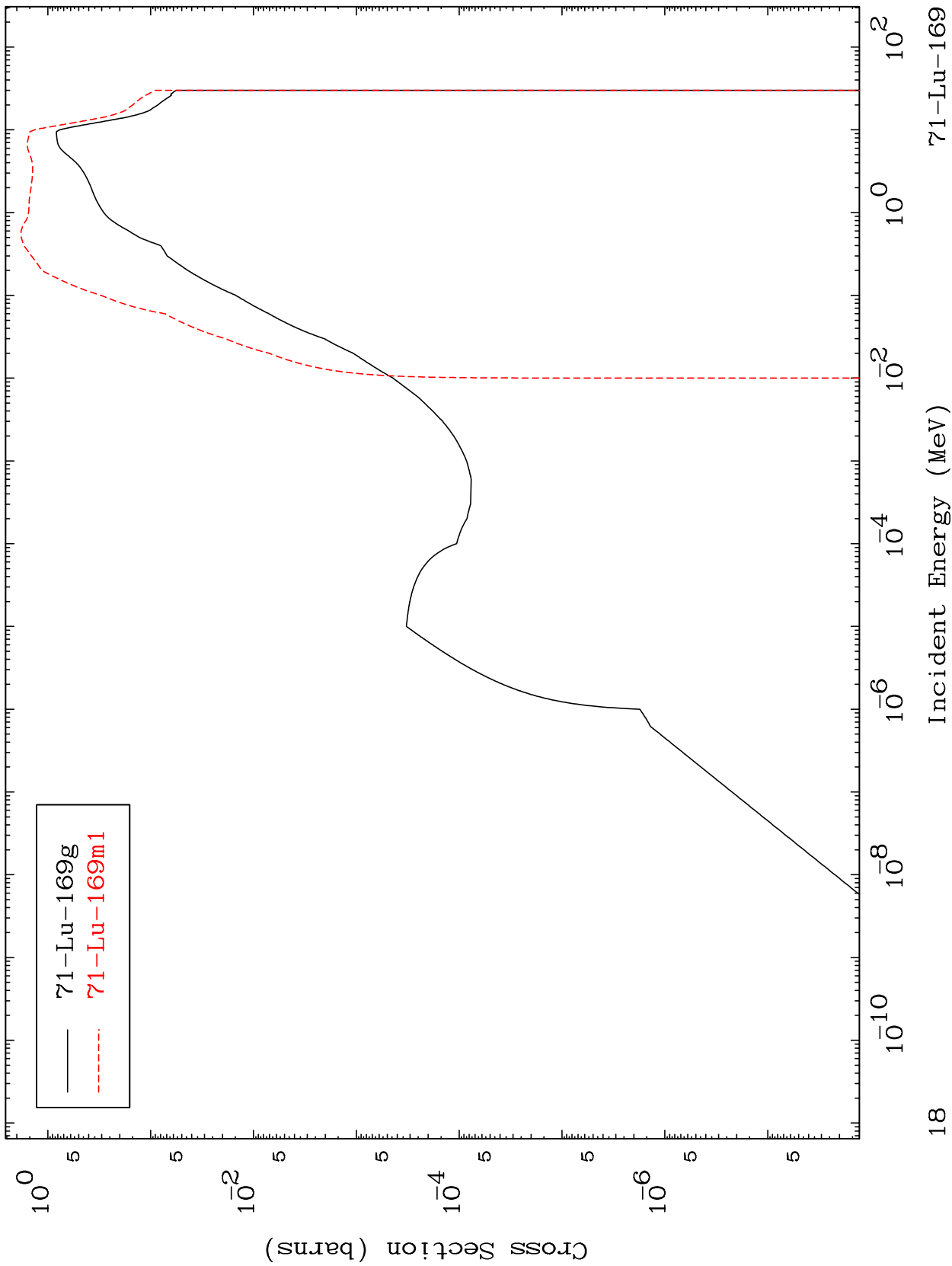
Incident Energy (MeV)

71-Lu-169

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71-Lu-169

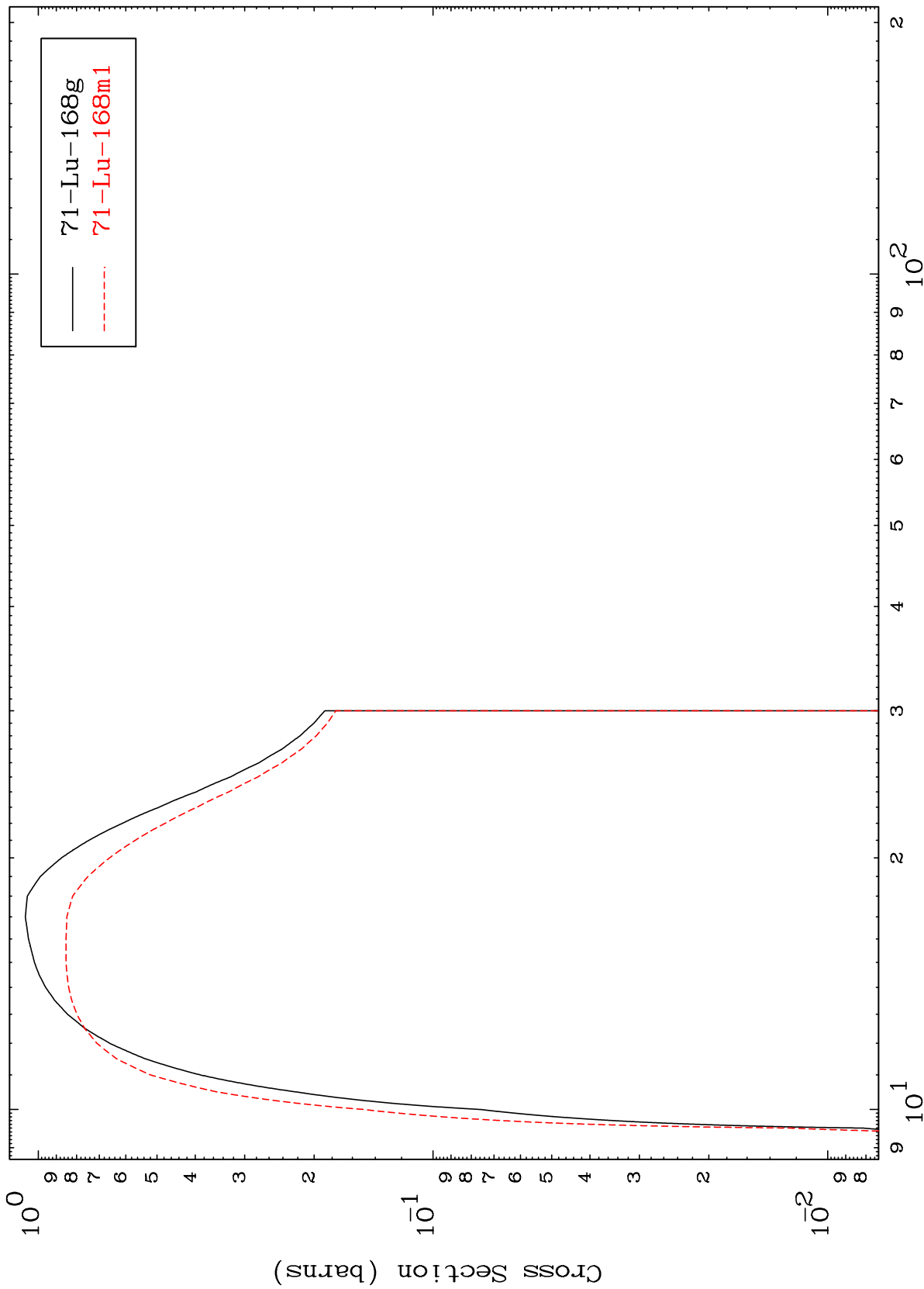
Inelastic
Radionuclide Production Cross Section



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71-Lu-169

(n,2n)
Radionuclide Production Cross Section



Incident Energy (MeV)

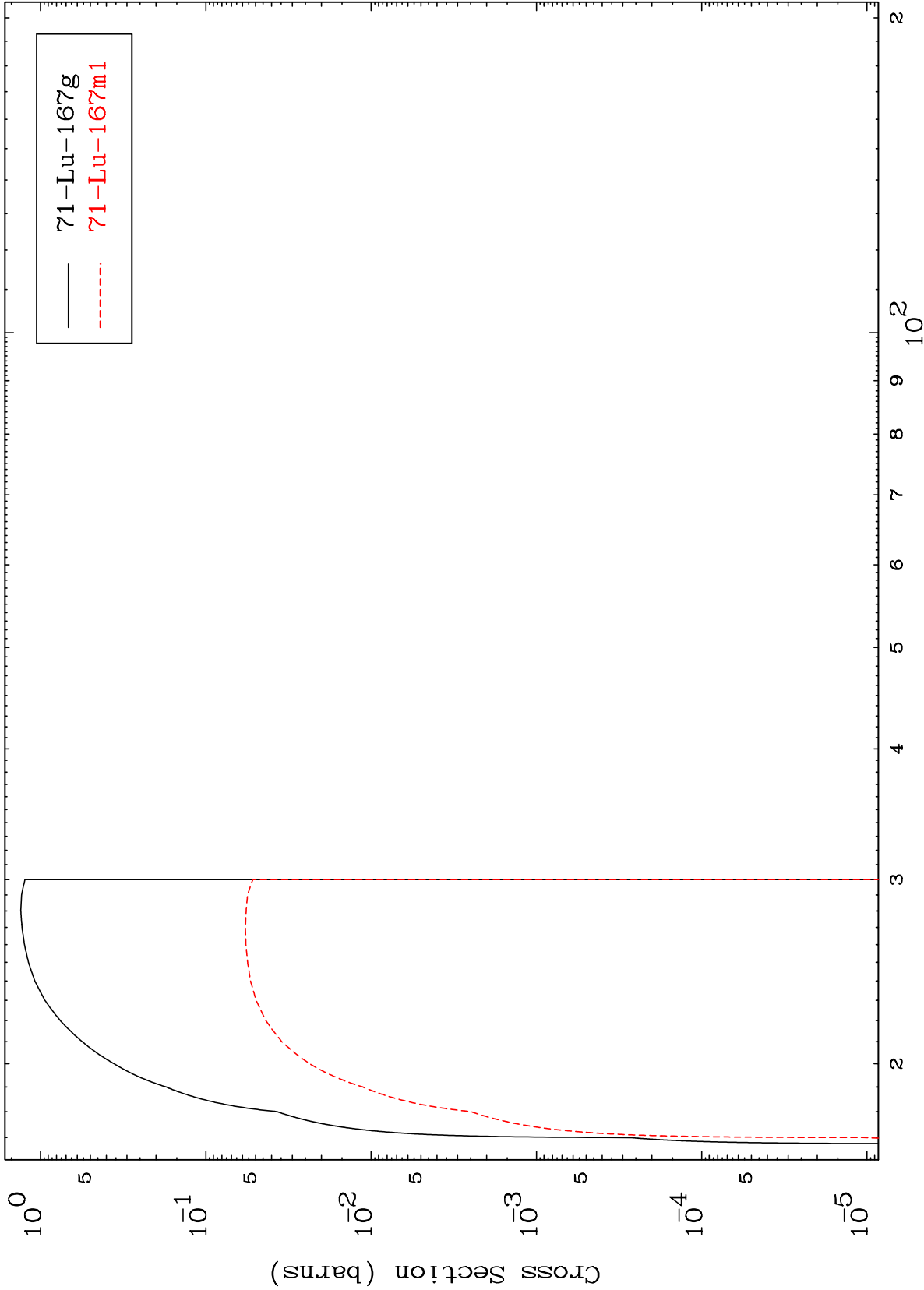
71-Lu-169

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(n,3n)

⁷¹Lu-169

Radionuclide Production Cross Section



⁷¹Lu-167g
⁷¹Lu-167m1

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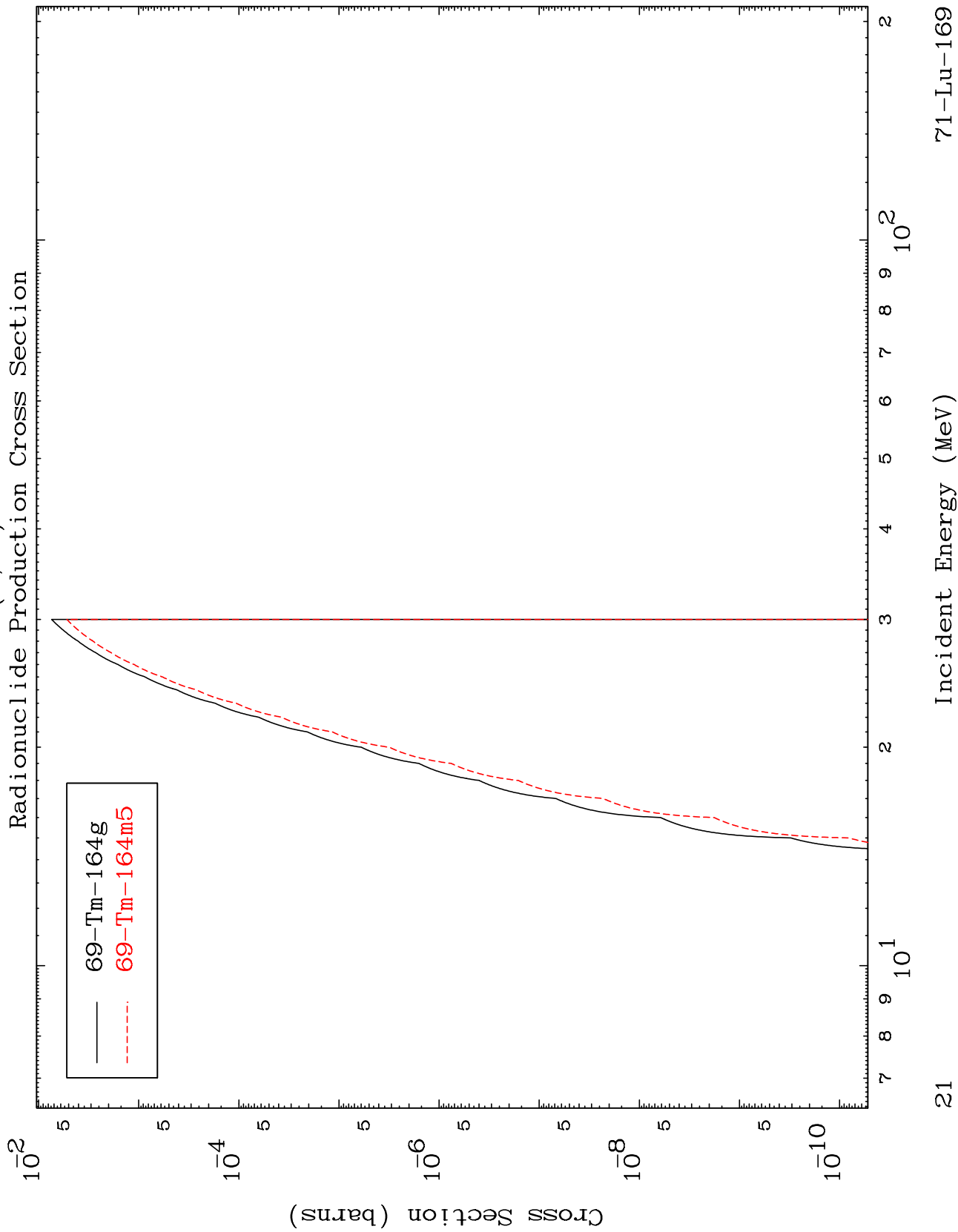
Incident Energy (MeV)

⁷¹Lu-169

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$(n,2n) \alpha$

$^{71}\text{Lu-169}$

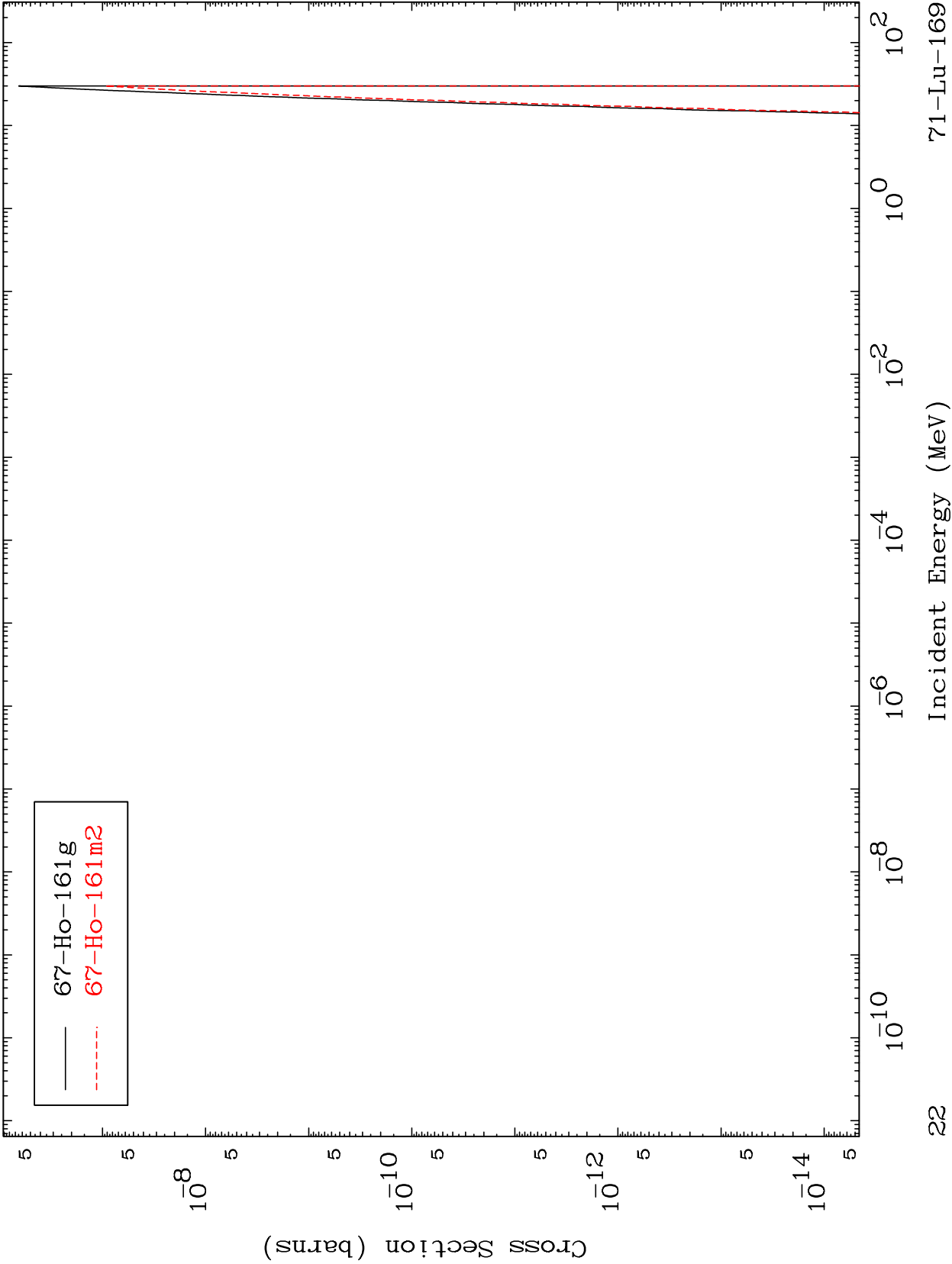


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(n,n') 2α

71-Lu-169

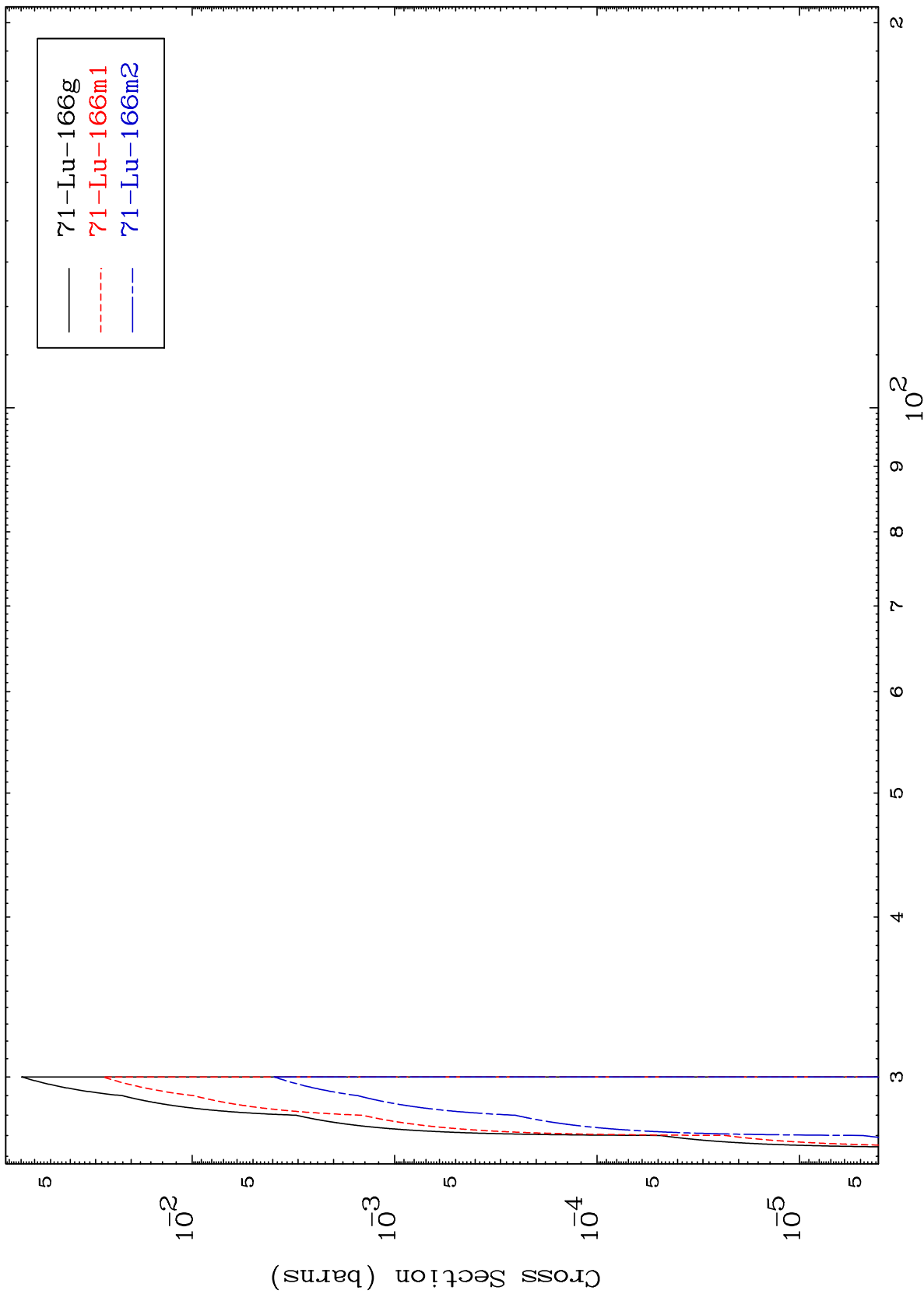
Radionuclide Production Cross Section



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71-Lu-169

(n,4n)
Radionuclide Production Cross Section



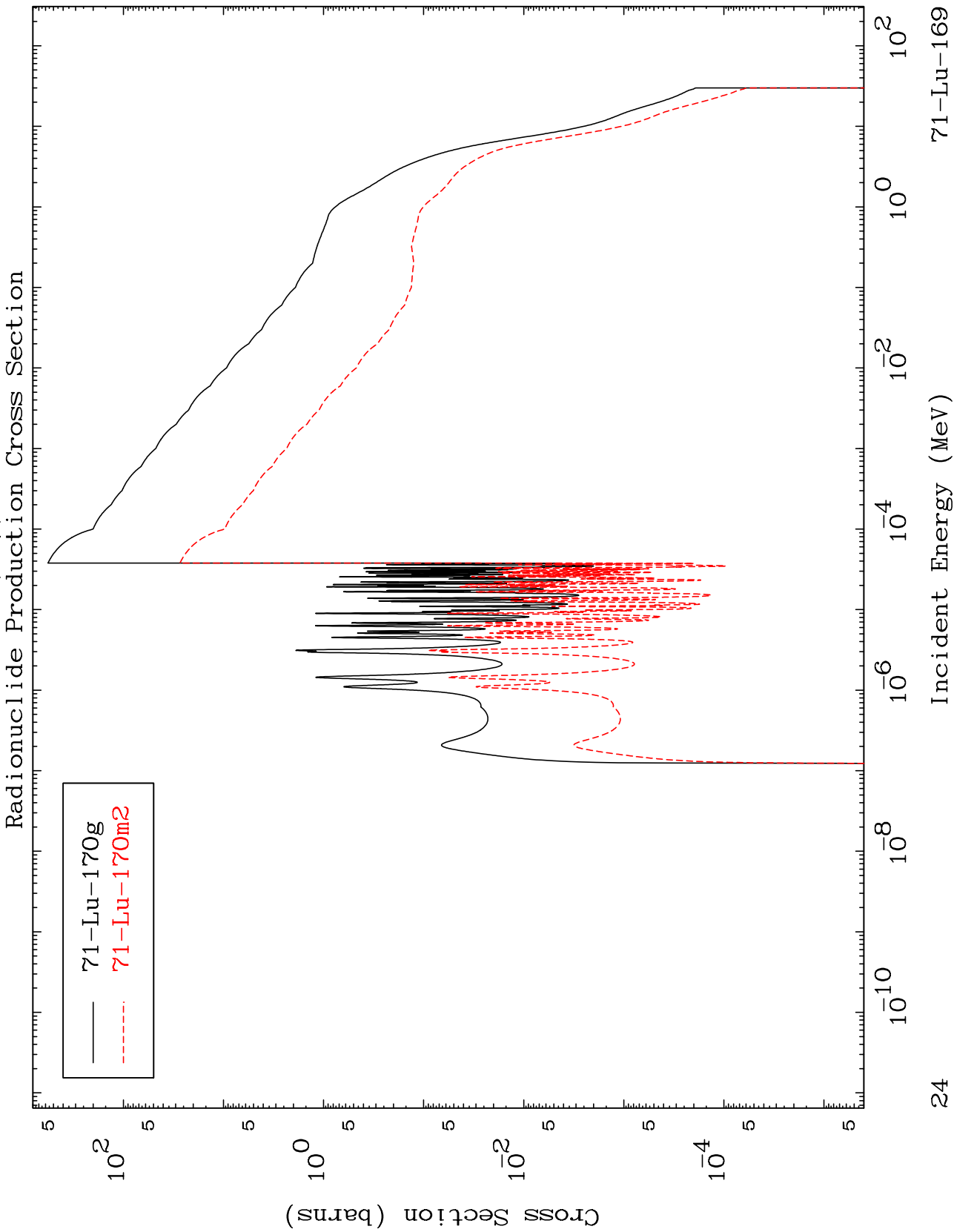
23

71-Lu-169

Incident Energy (MeV)

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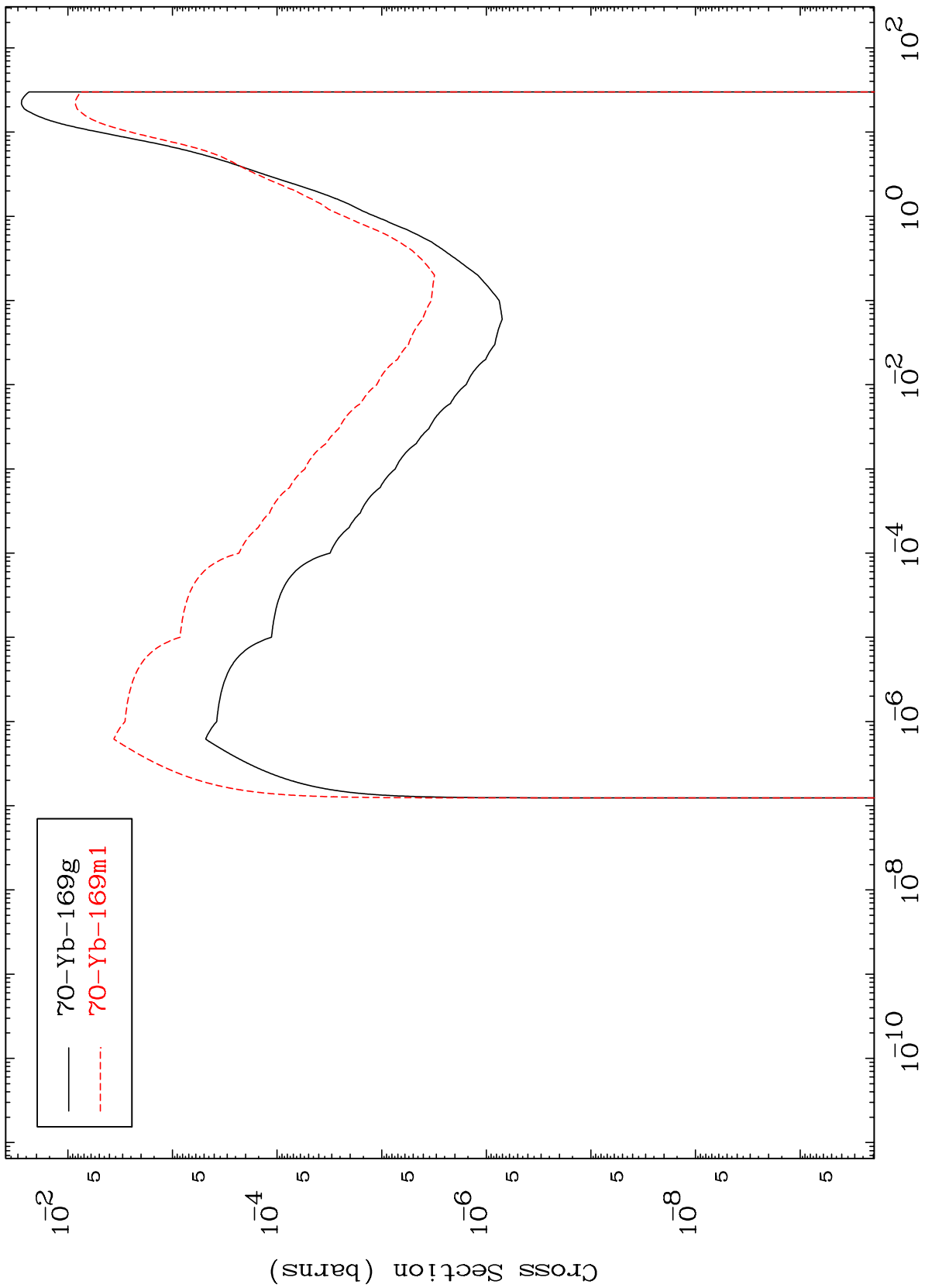
⁷¹Lu-169



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71-Lu-169

Radionuclide Production Cross Section (n,p)



— 70-Yb-169g
- - - 70-Yb-169m1

71-Lu-169

Incident Energy (MeV)

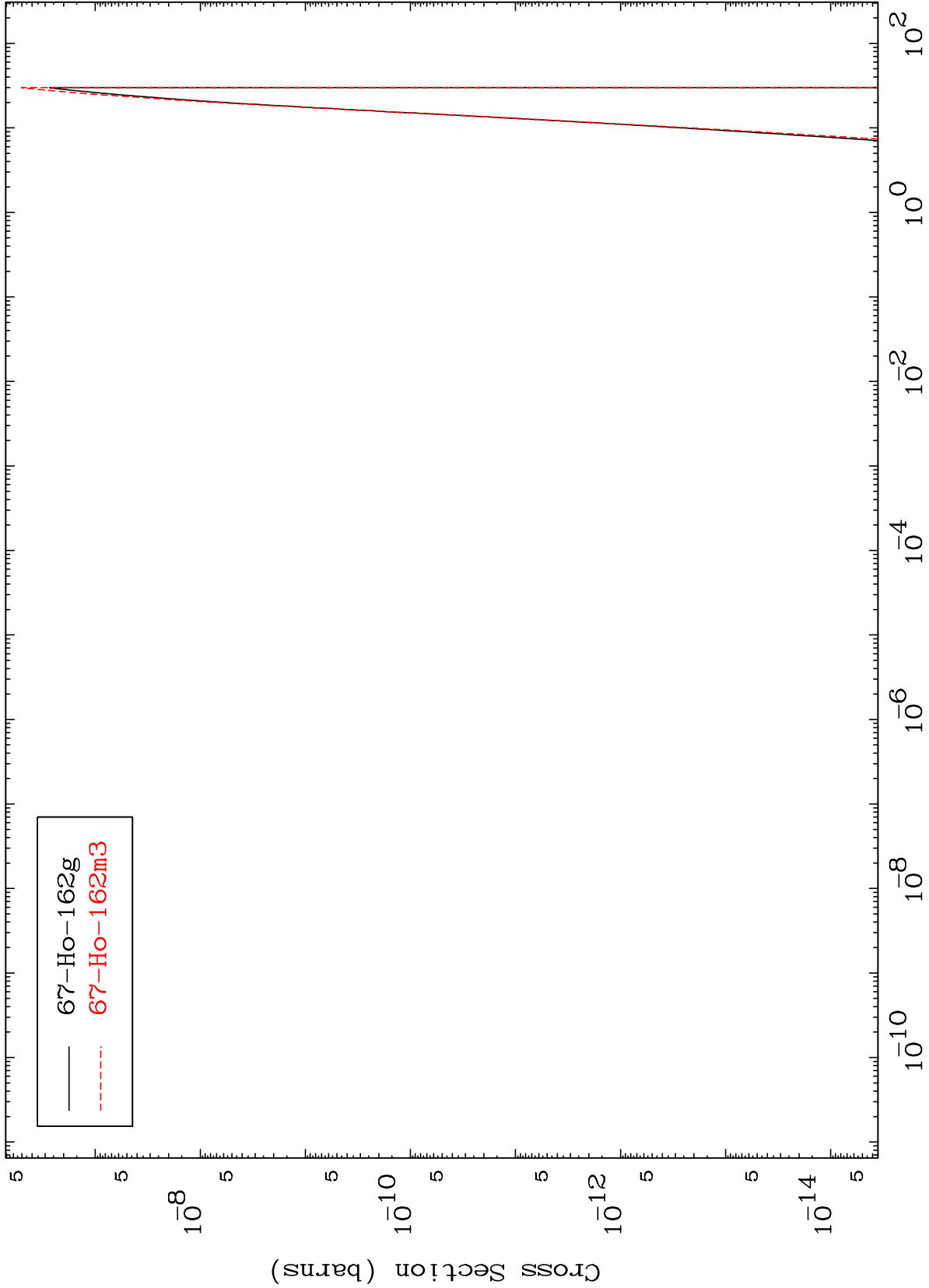
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(n,2α)

71-Lu-169

Radionuclide Production Cross Section



26

Incident Energy (MeV)

71-Lu-169