

Program EVALPLOT
(Version 2021-1)

by

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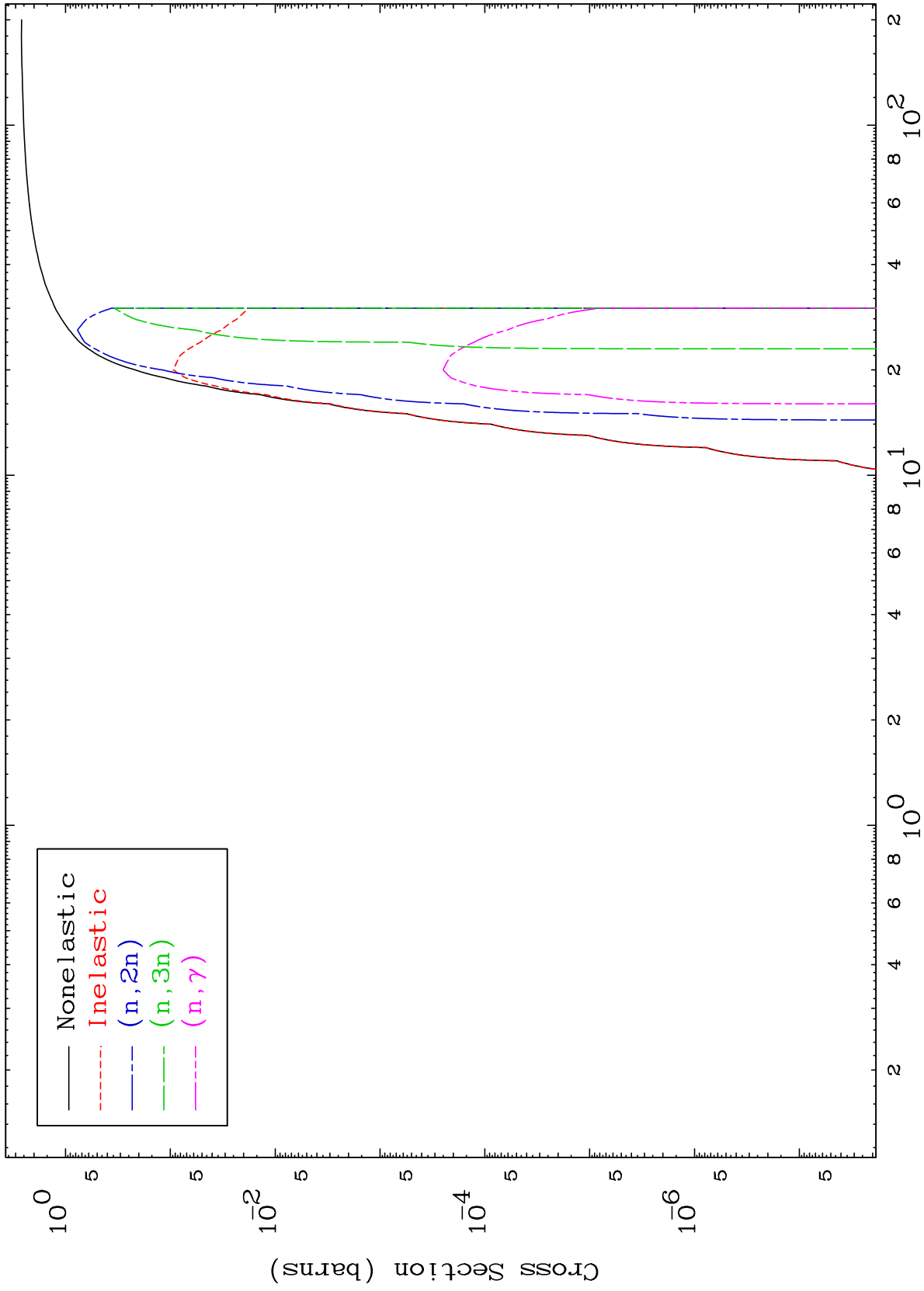
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7239

0 Kelvin α Major
Cross Sections

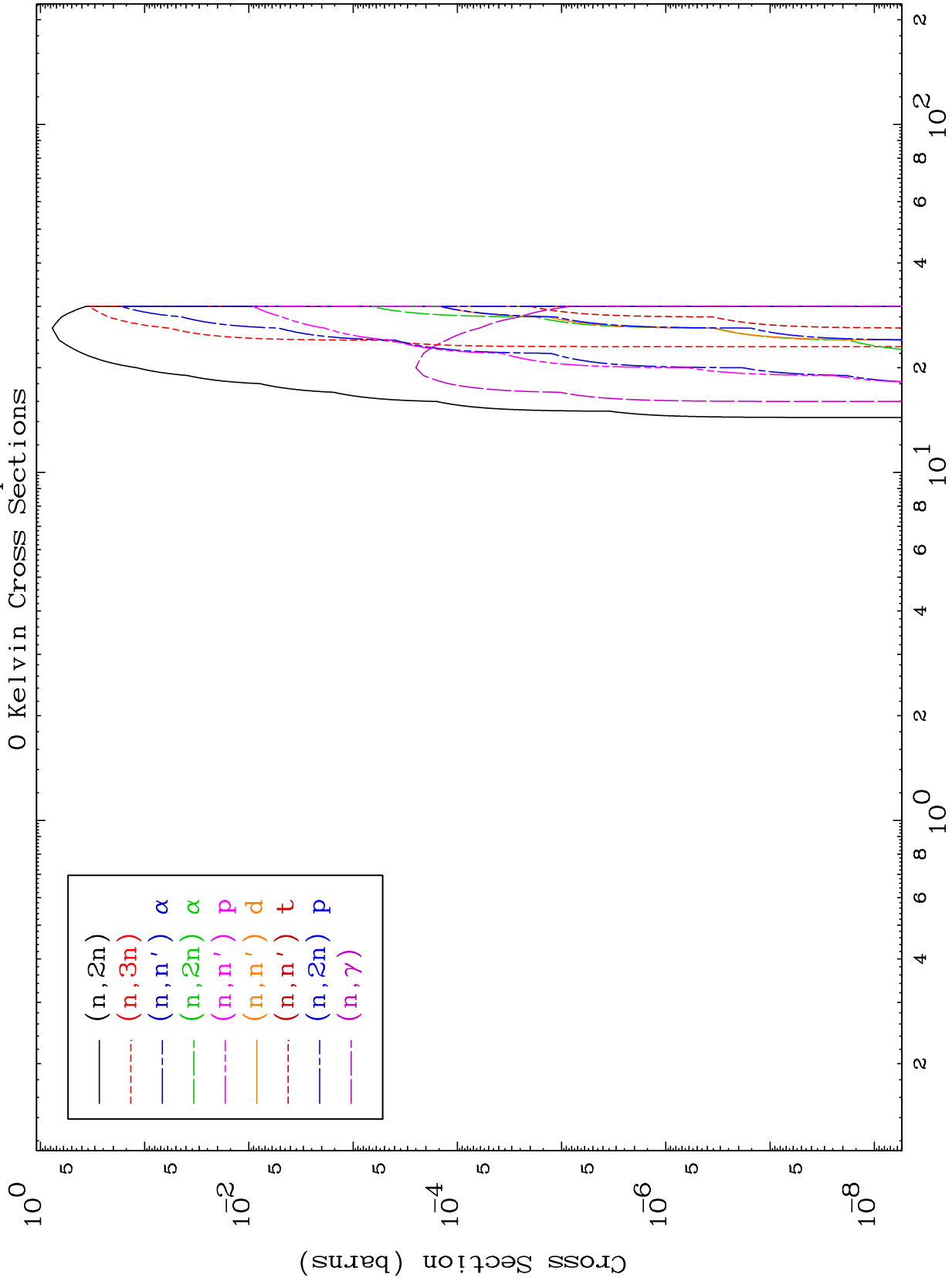
$^{72}\text{Hf}-178\text{n}$



MAT 7239

α Neutron Absorption
0 Kelvin Cross Sections

$^{72}\text{Hf}-178\text{n}$



2

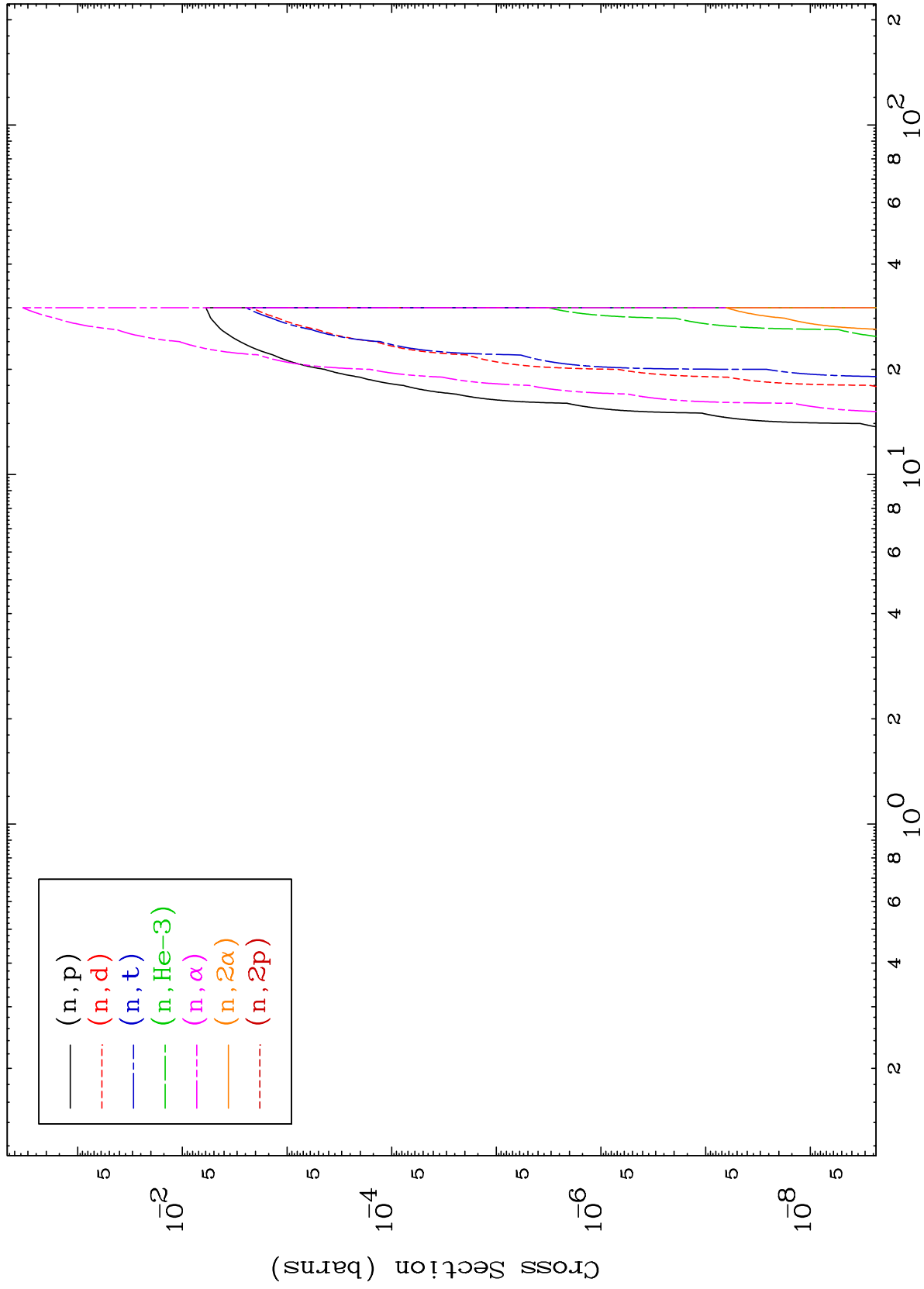
Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

MAT 7239

α Neutron Absorption
0 Kelvin Cross Sections

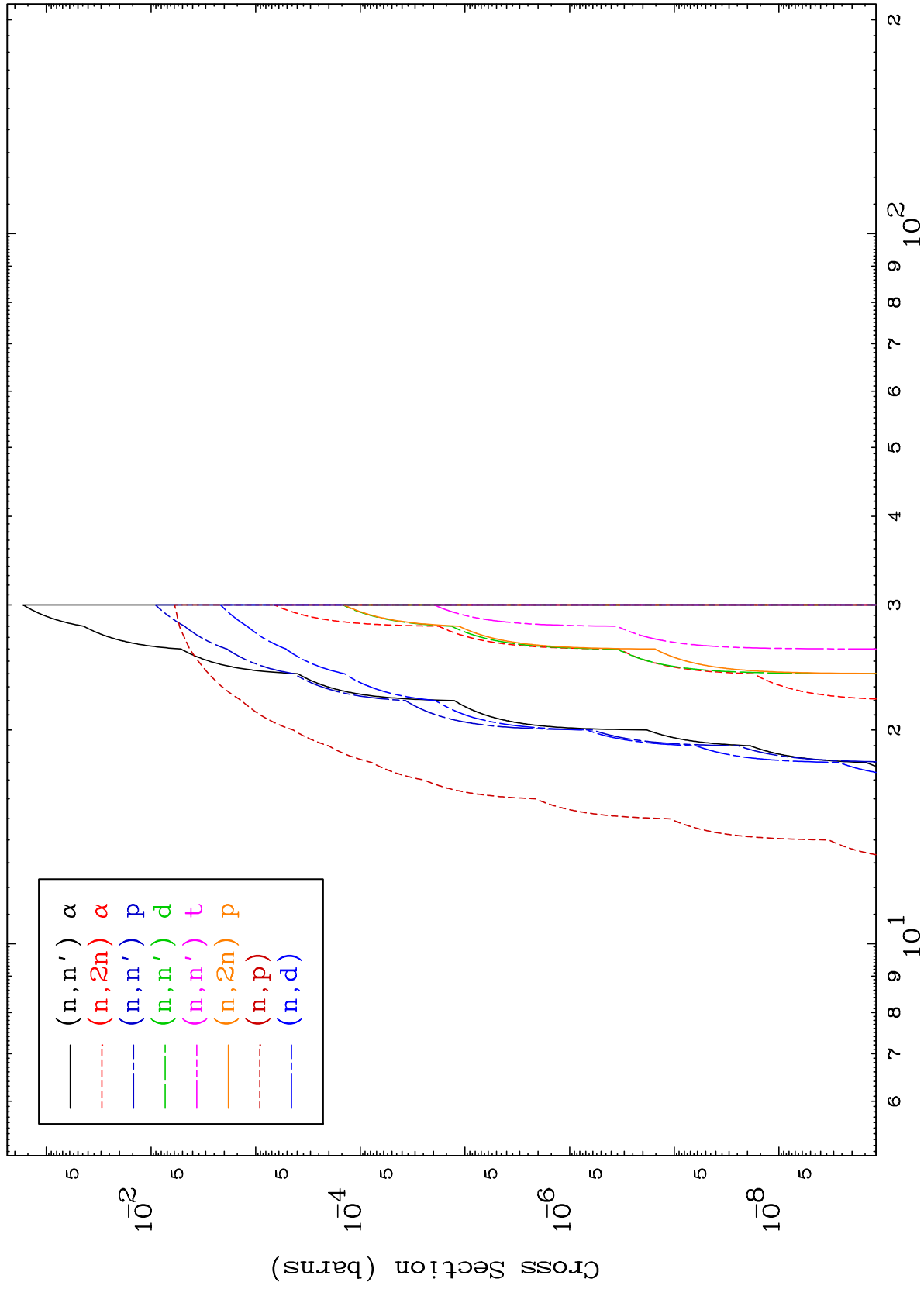
$^{72}\text{Hf}-178\text{n}$

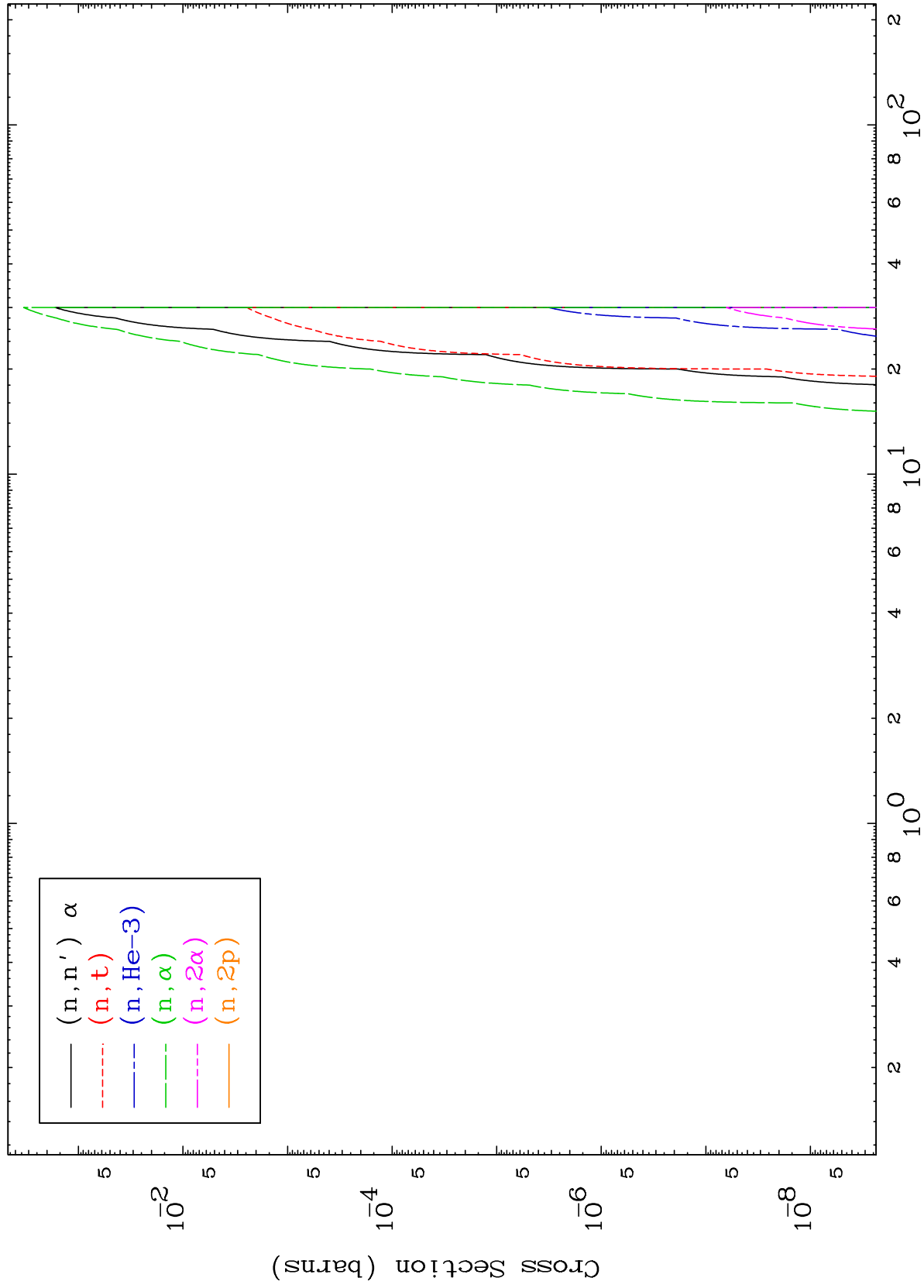


3

Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

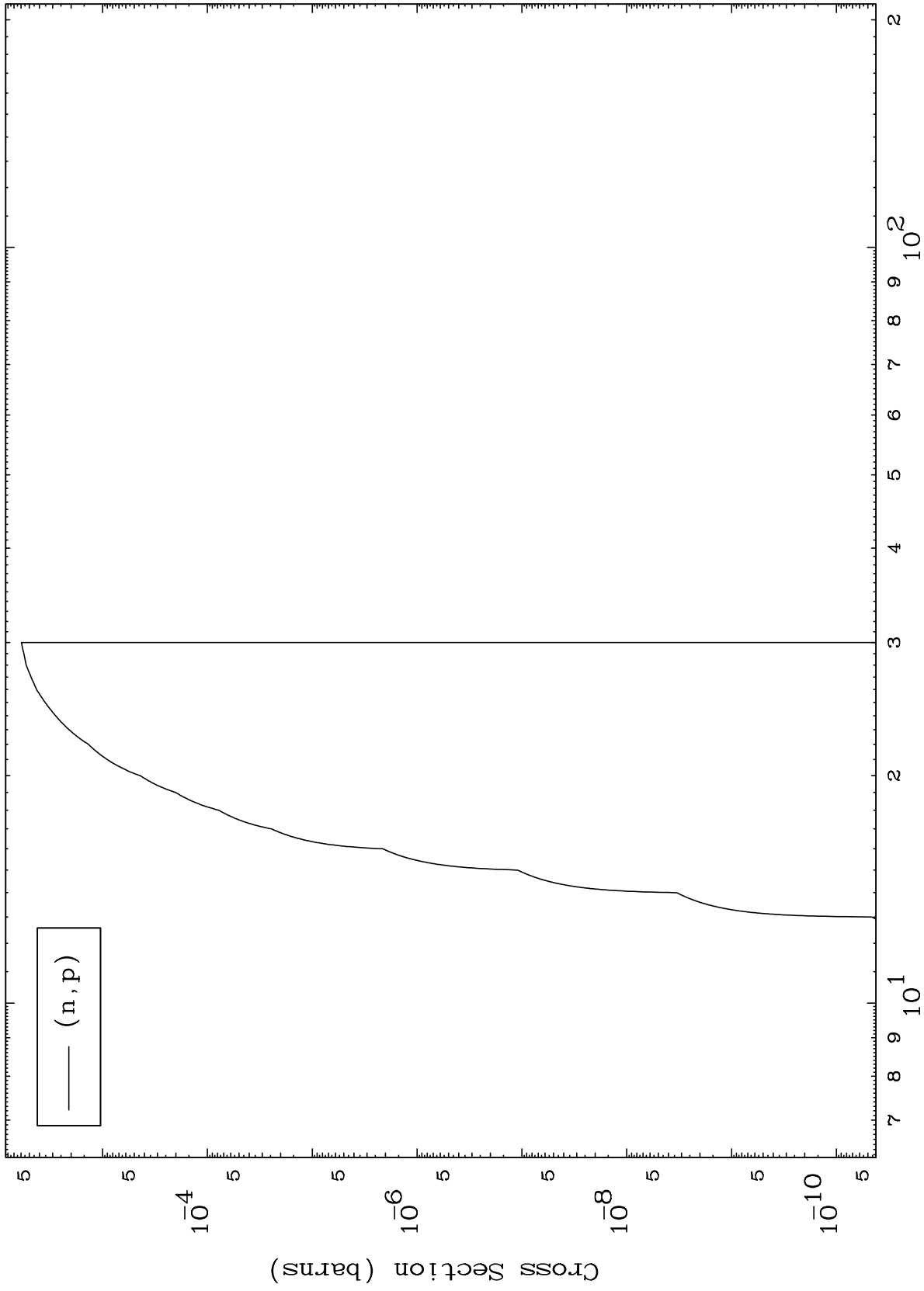




MAT 7239

(α, p) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-178\text{n}$



6

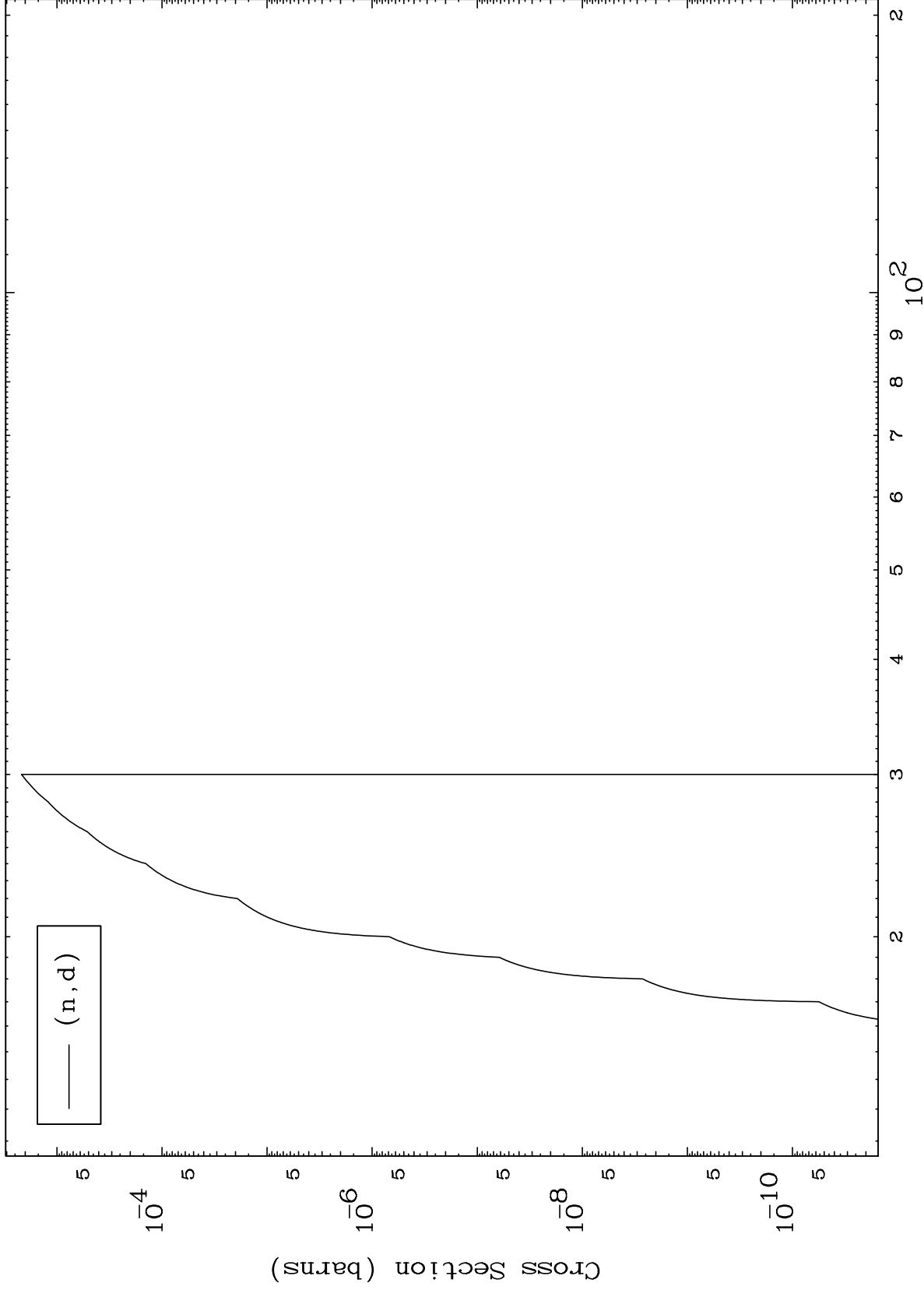
Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

MAT 7239

(α, d) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-178n$



7

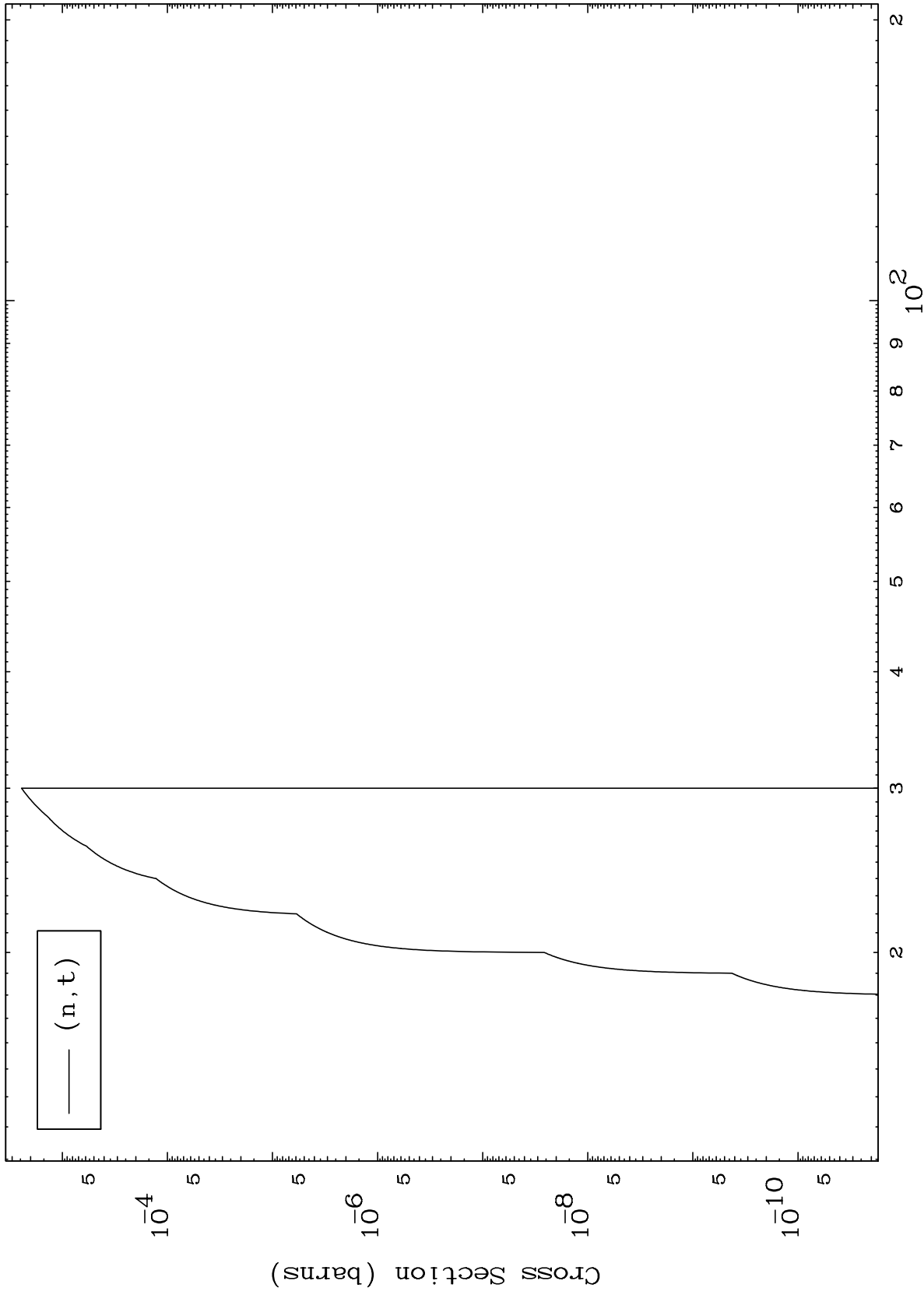
Incident Energy (MeV)

$^{72}\text{Hf}-178n$

MAT 7239

(α, t) Levels
0 Kelvin Cross Sections

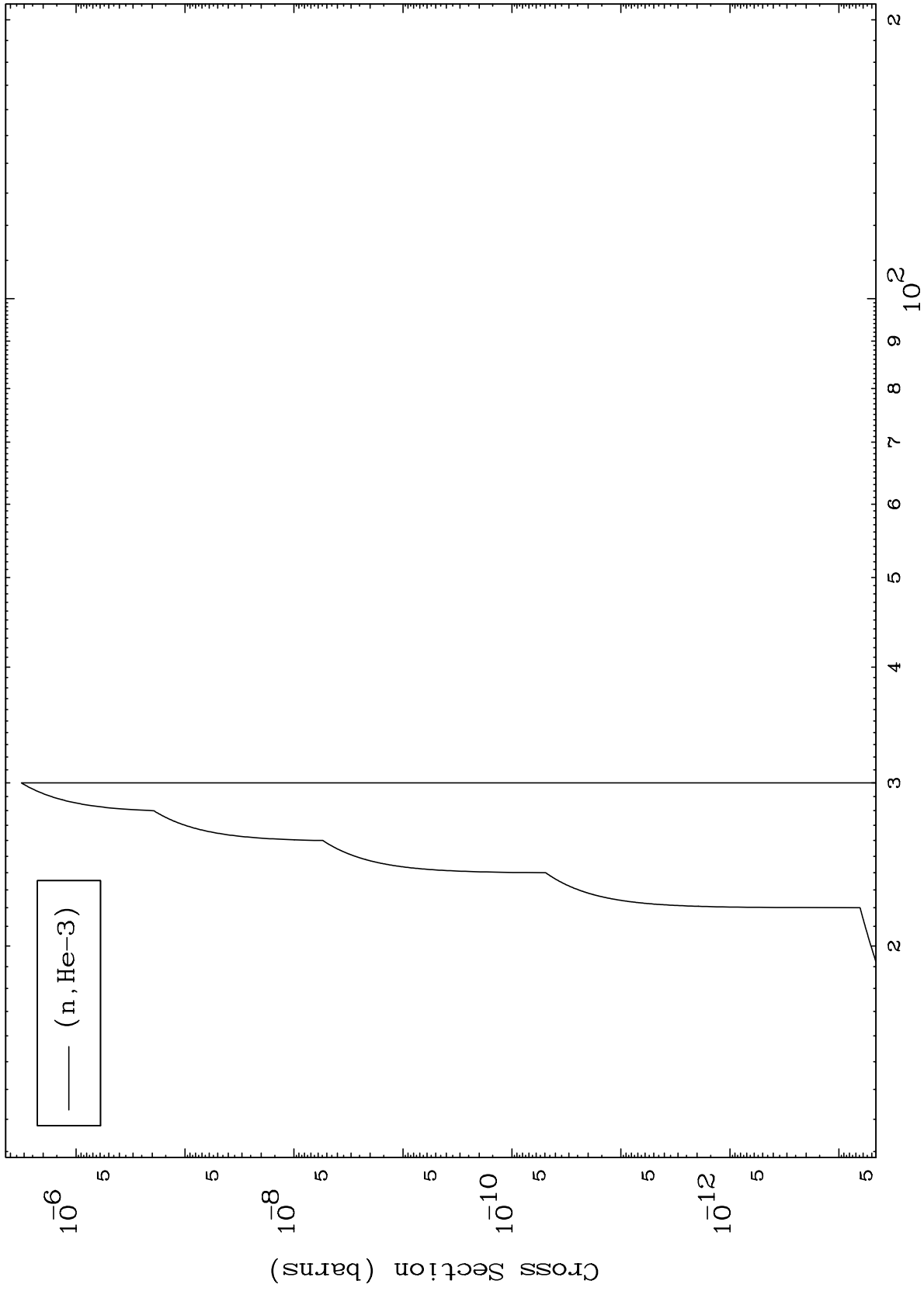
$^{72}\text{Hf}-178\text{n}$



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($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-178\text{n}$



9

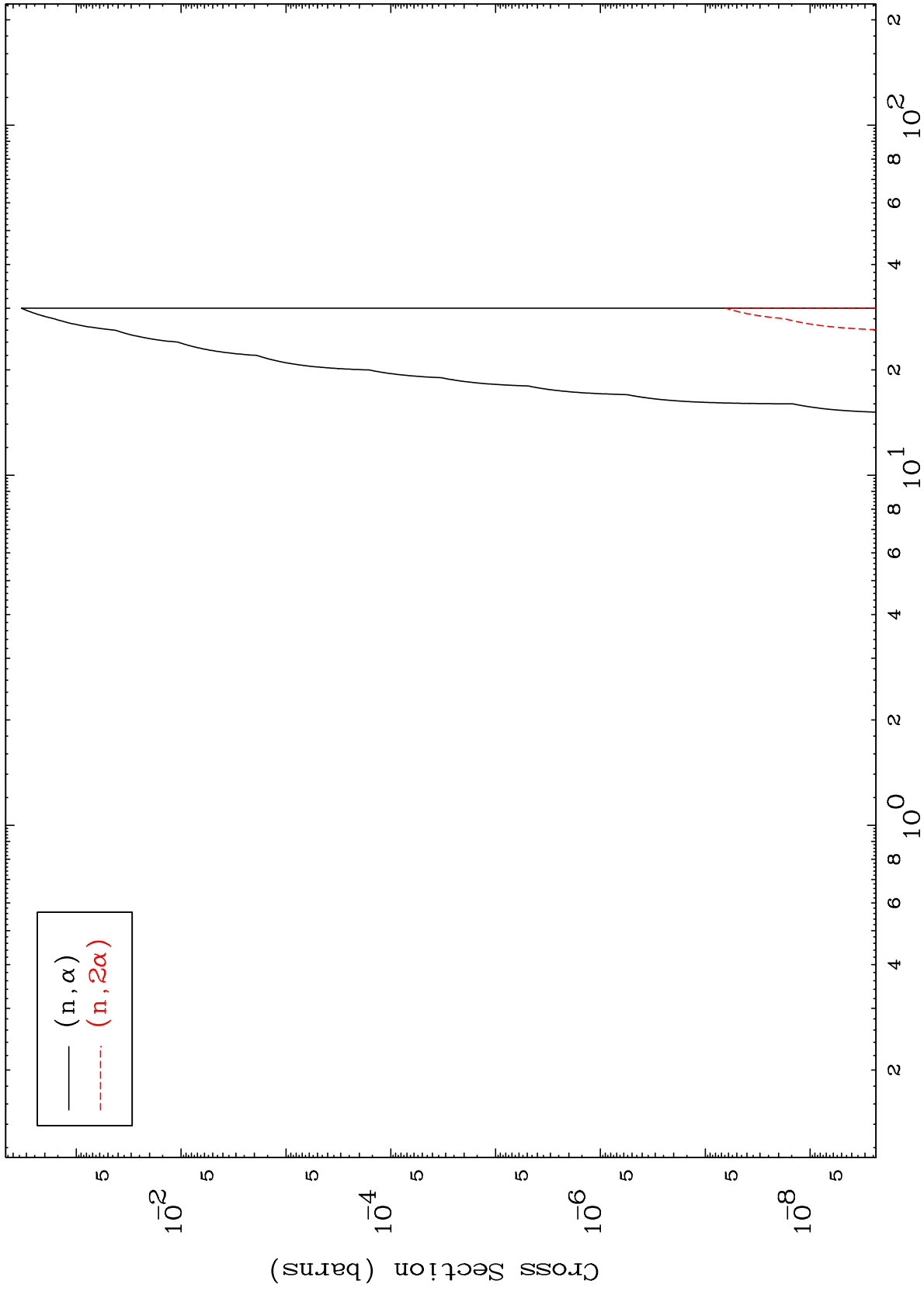
Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

MAT 7239

(α, α) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-178\text{n}$



10

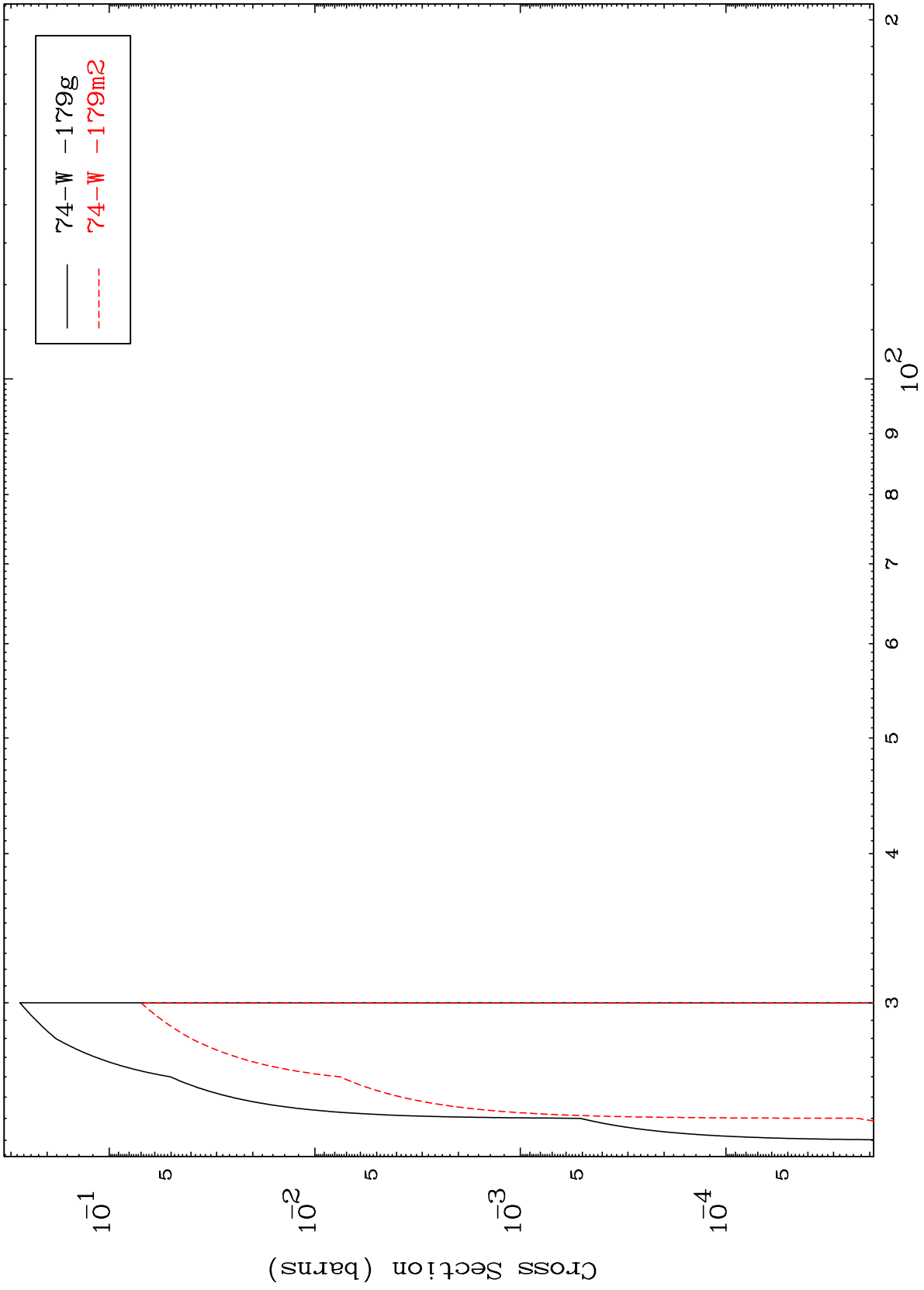
Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

MAT 7239

72-Hf-178n

(n,3n)
Radionuclide Production Cross Section



11

Incident Energy (MeV)

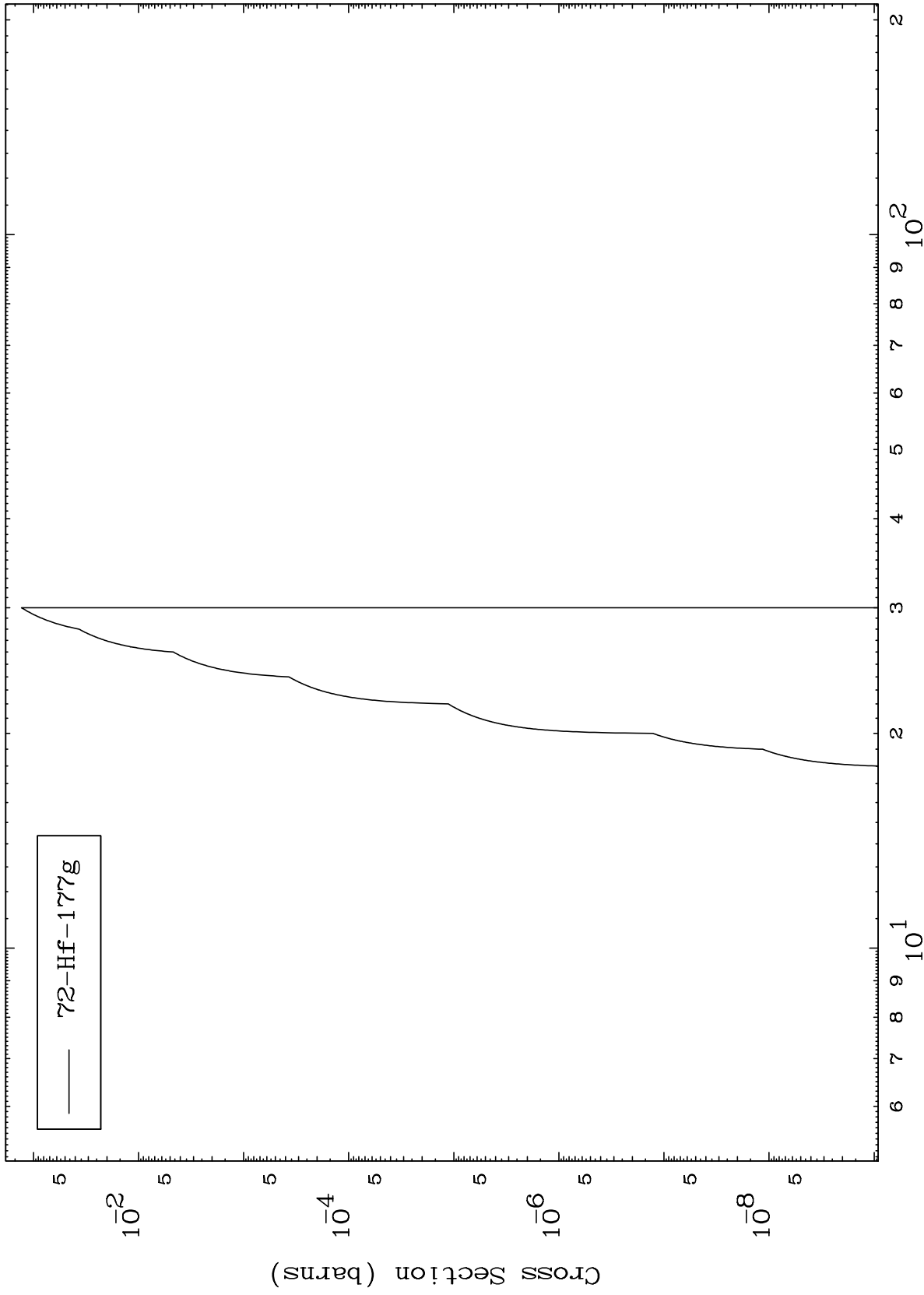
72-Hf-178n

MAT 7239

(n,n') α

$^{72}\text{Hf}-178\text{n}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

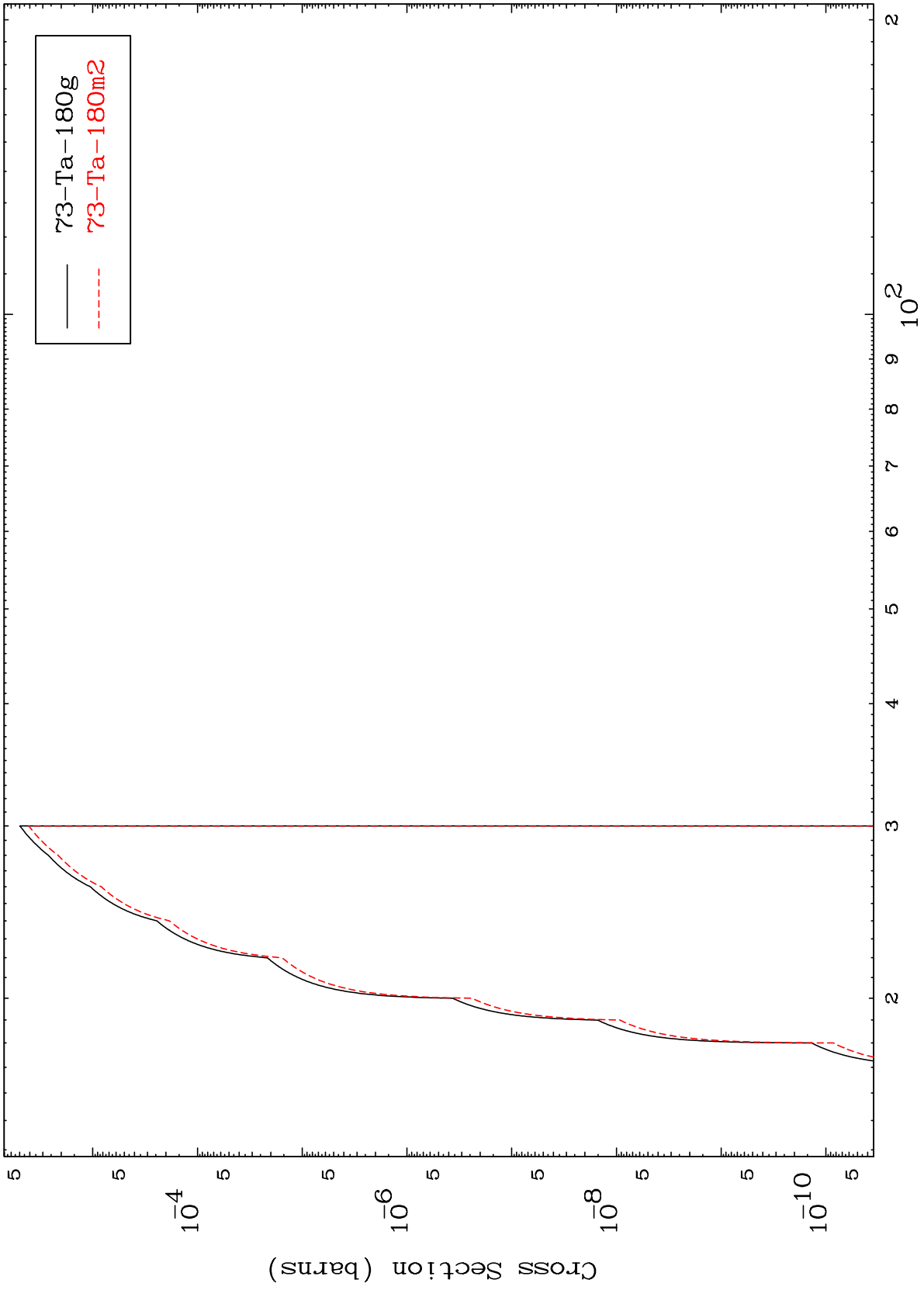
$^{72}\text{Hf}-178\text{n}$

MAT 7239

(n,n') p

⁷²Hf-178n

Radionuclide Production Cross Section



13

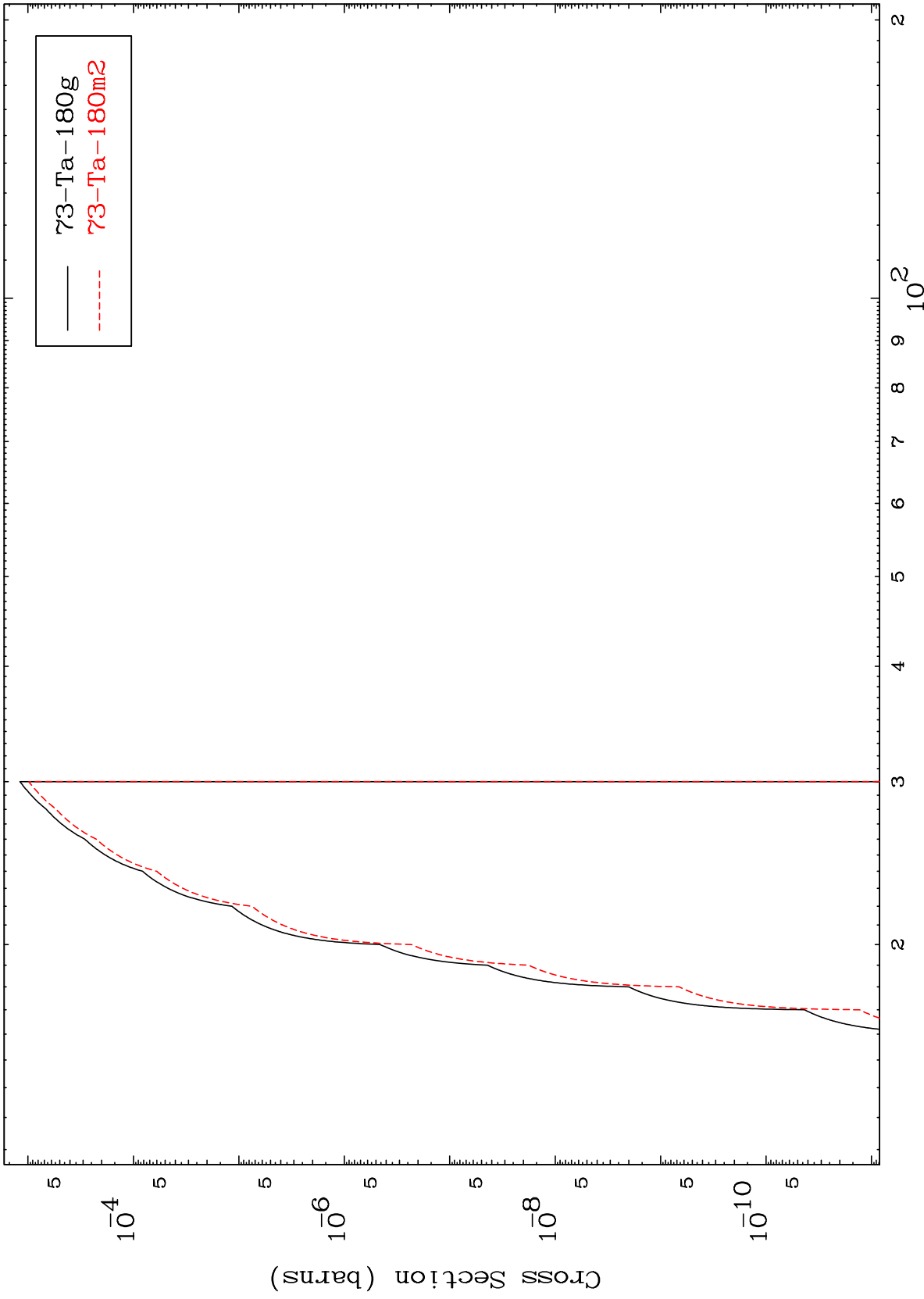
Incident Energy (MeV)

⁷²Hf-178n

MAT 7239

72-Hf-178n

(n,d)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

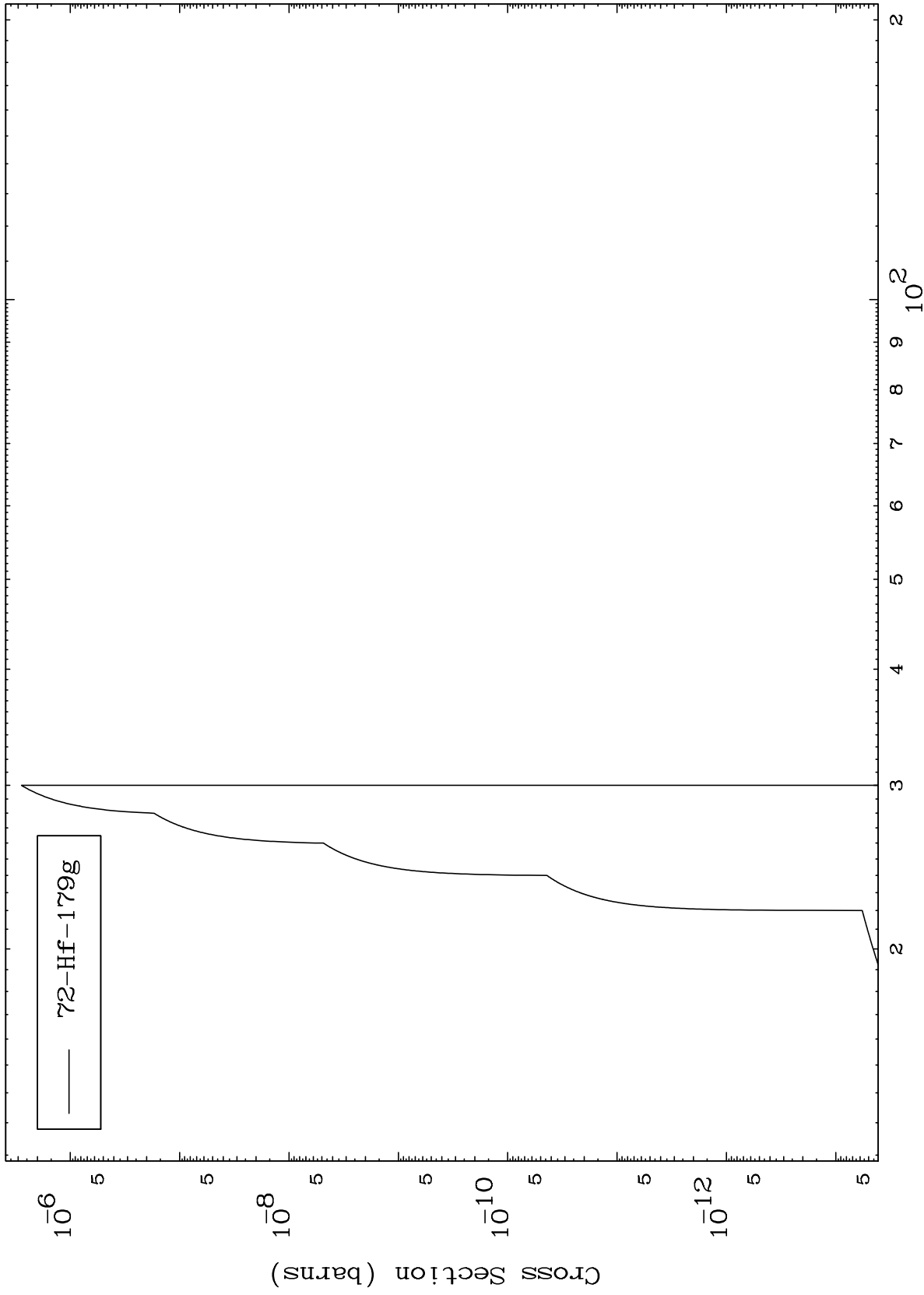
72-Hf-178n

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(n,He-3)

72-Hf-178n

Radionuclide Production Cross Section



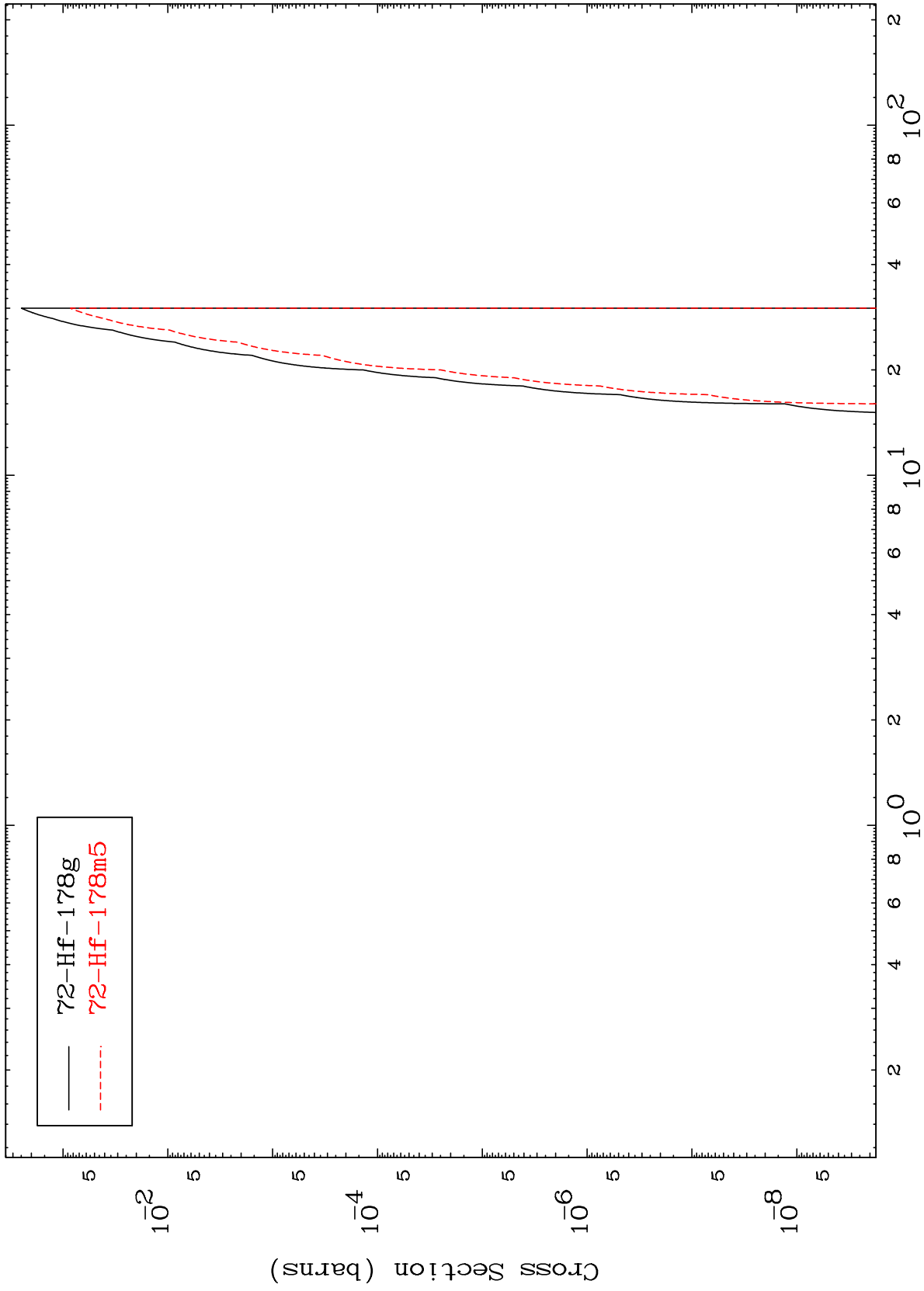
72-Hf-179g

MAT 7239

(n, α)

⁷²Hf-178n

Radionuclide Production Cross Section



16

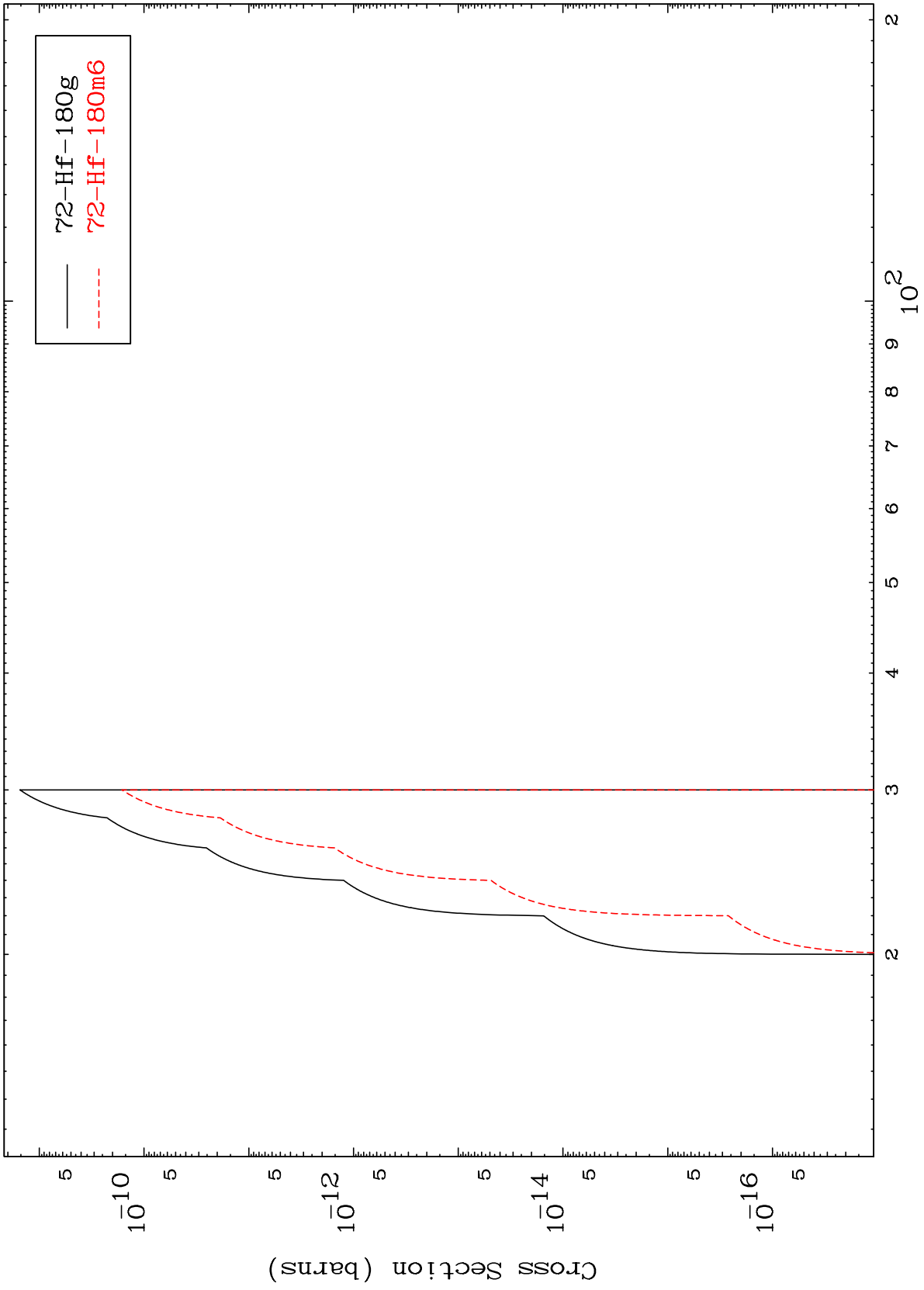
Incident Energy (MeV)

⁷²Hf-178n

MAT 7239

$^{72}\text{Hf}-178\text{n}$

$(n, 2p)$
Radionuclide Production Cross Section



17

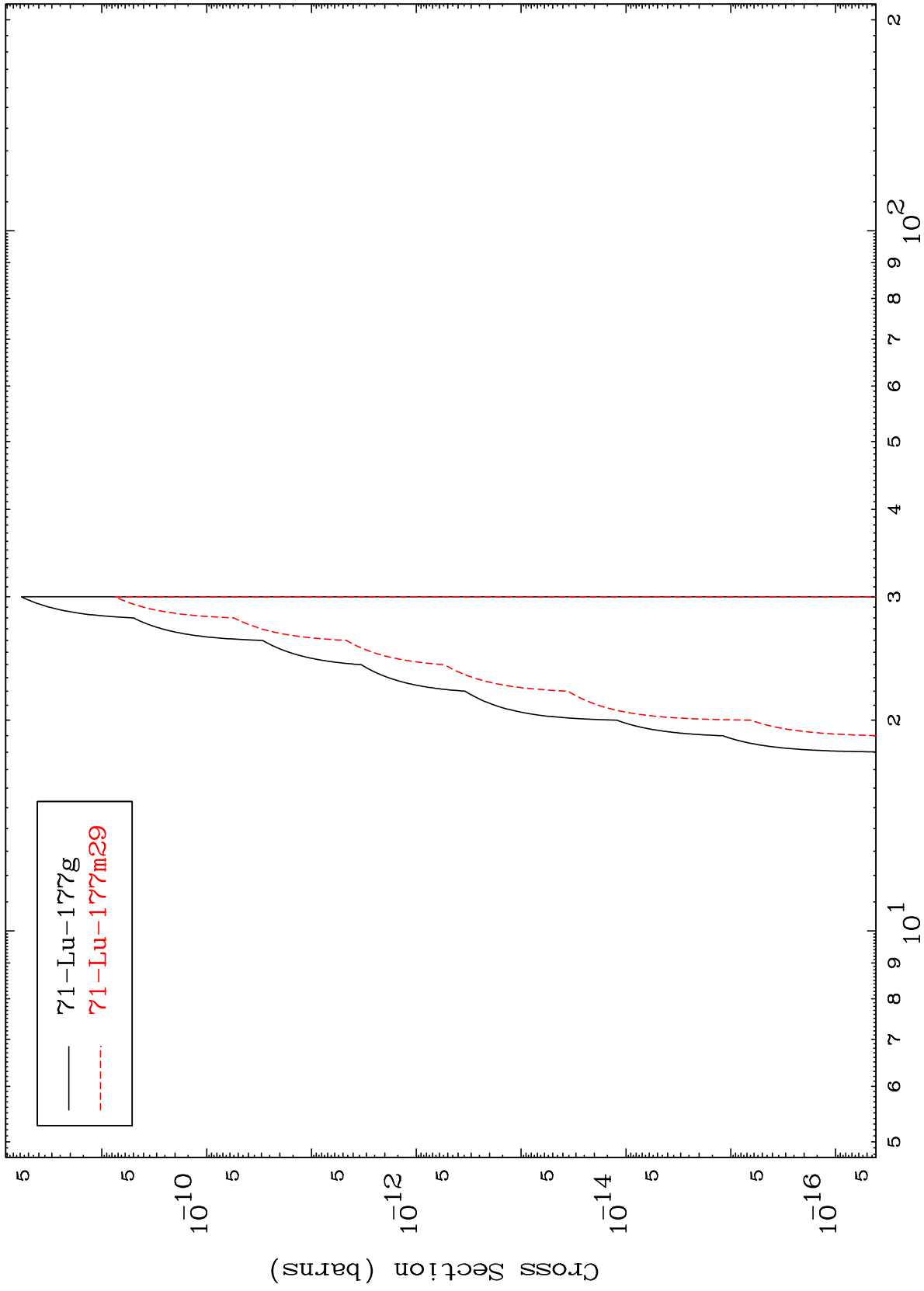
$^{72}\text{Hf}-178\text{n}$

MAT 7239

(n,p) α

$^{72}\text{Hf}-178\text{n}$

Radionuclide Production Cross Section



18

Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$