

Program EVALPLOT
(Version 2021-1)

by

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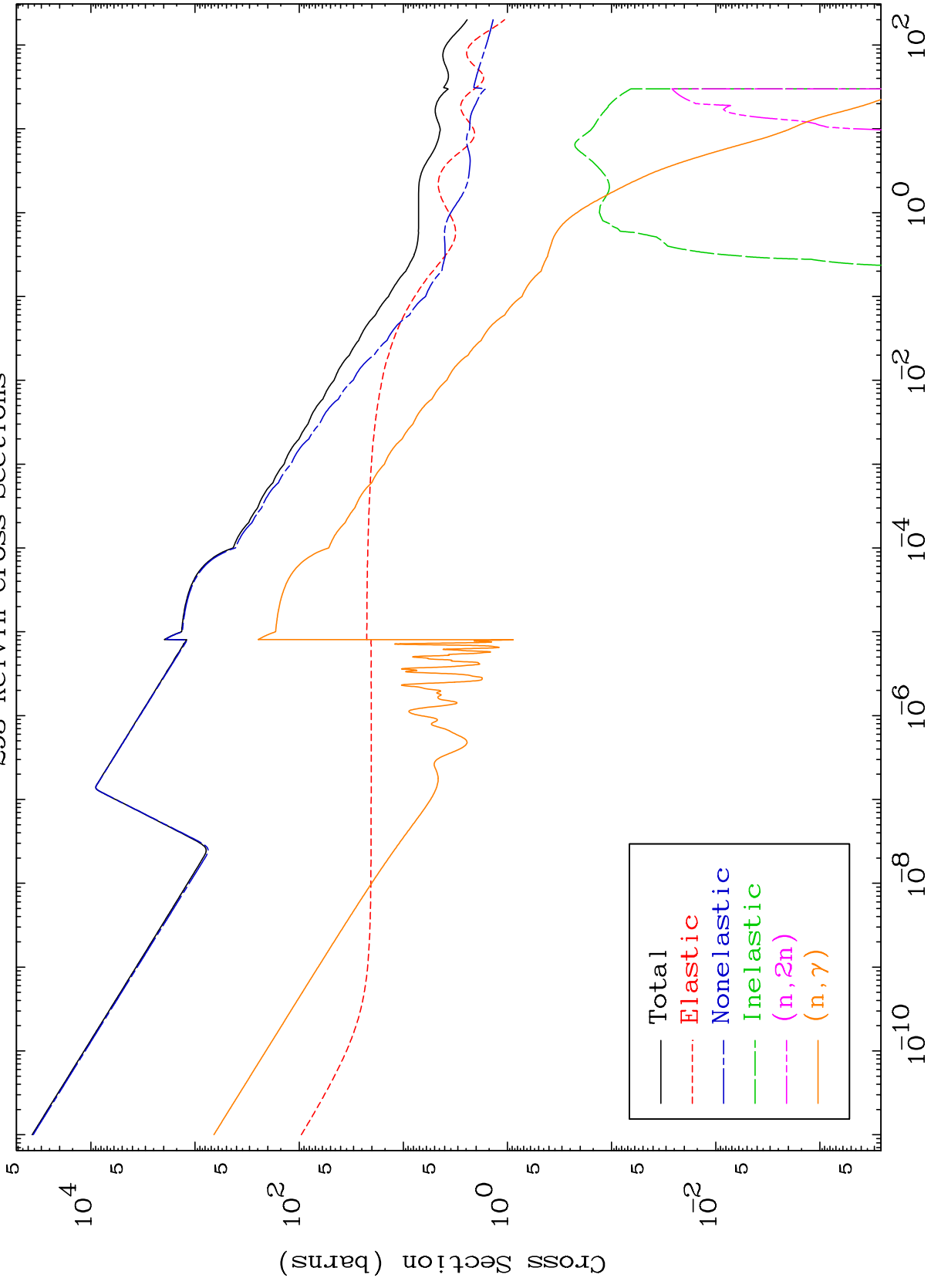
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Web:redcullen1.net/HOMEPAGE.NEW

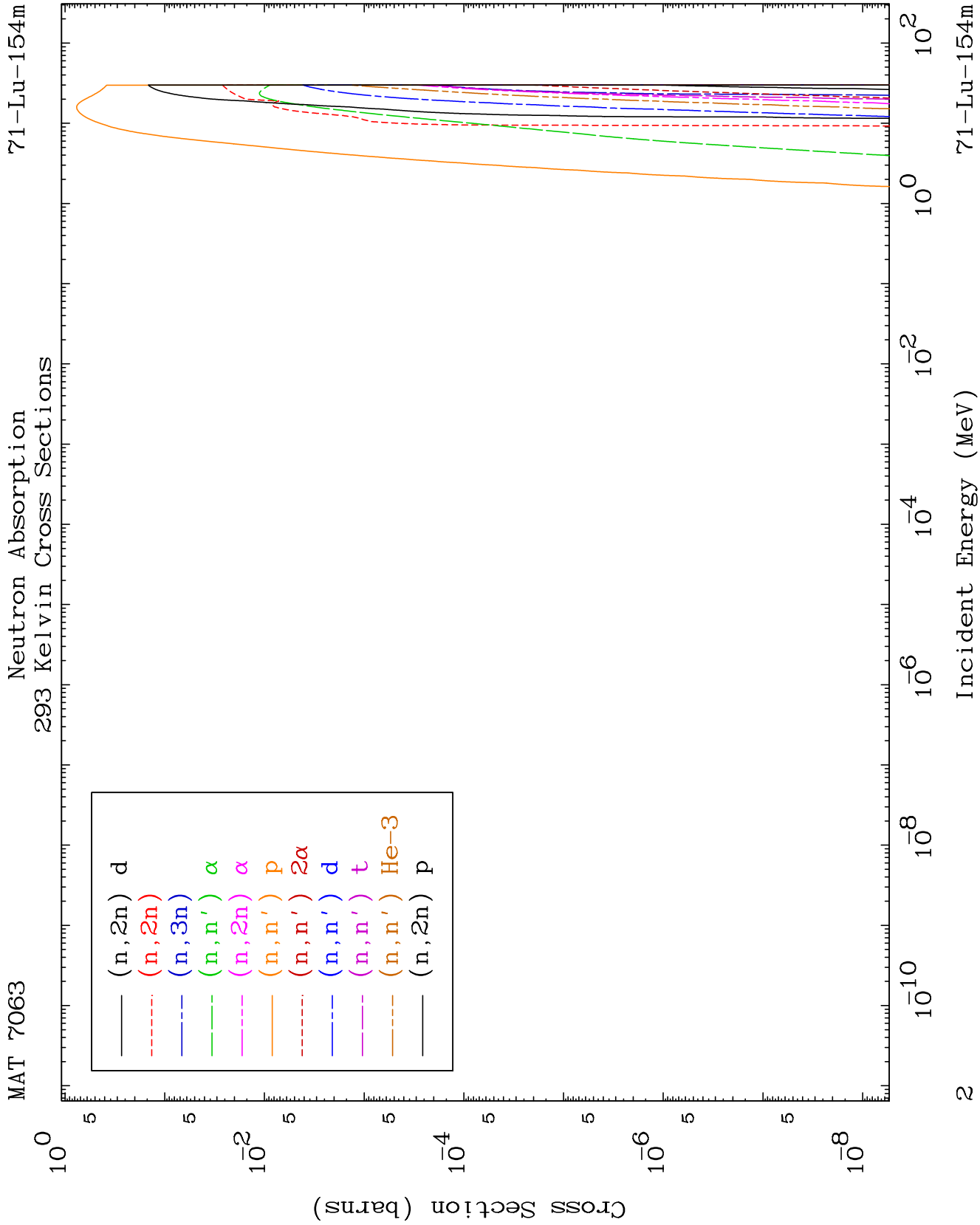
Press Mouse Button to Start

MAT 7063

Neutron Major
293 Kelvin Cross Sections

71-Lu-154m

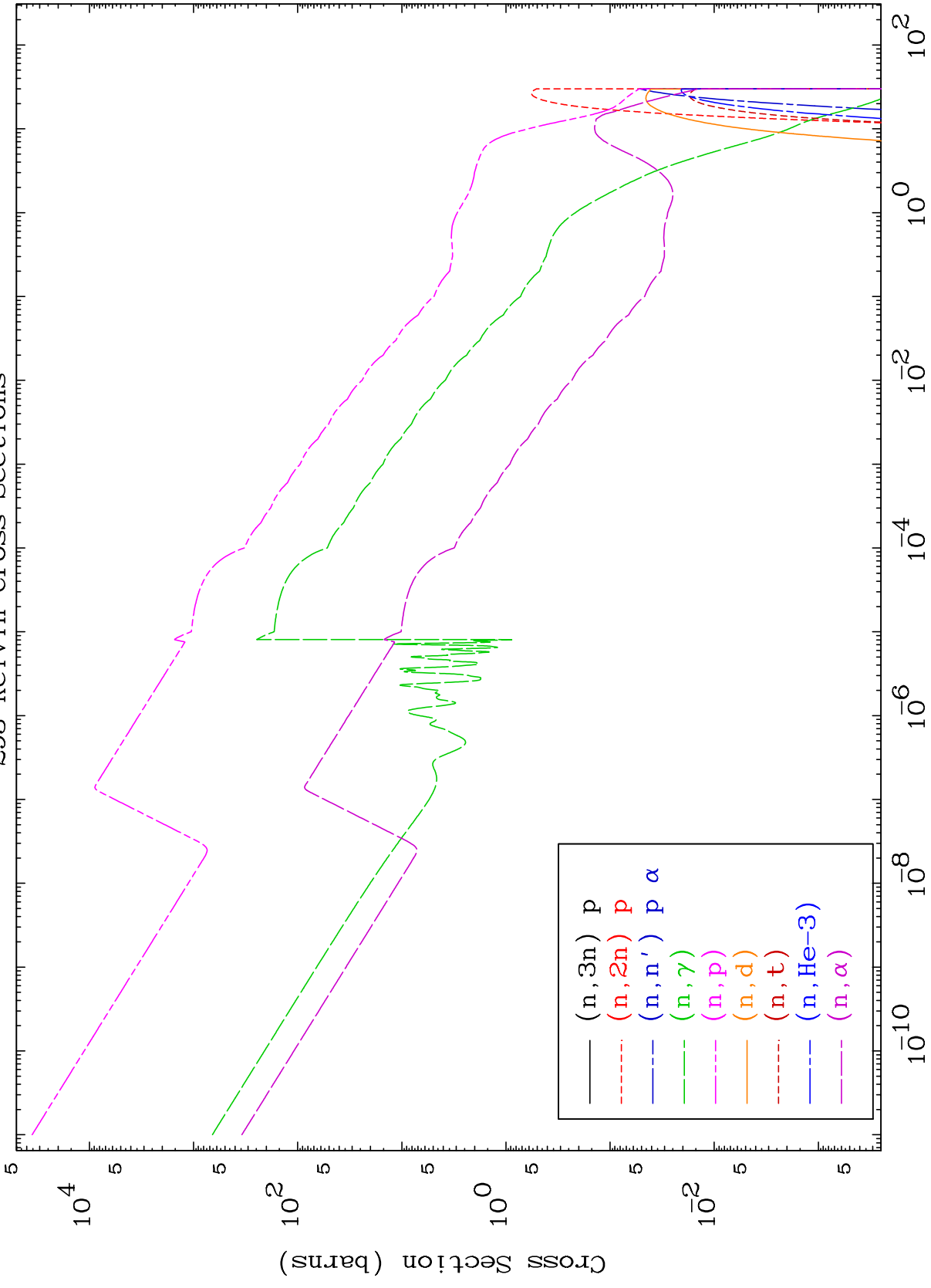




MAT 7063

Neutron Absorption
293 Kelvin Cross Sections

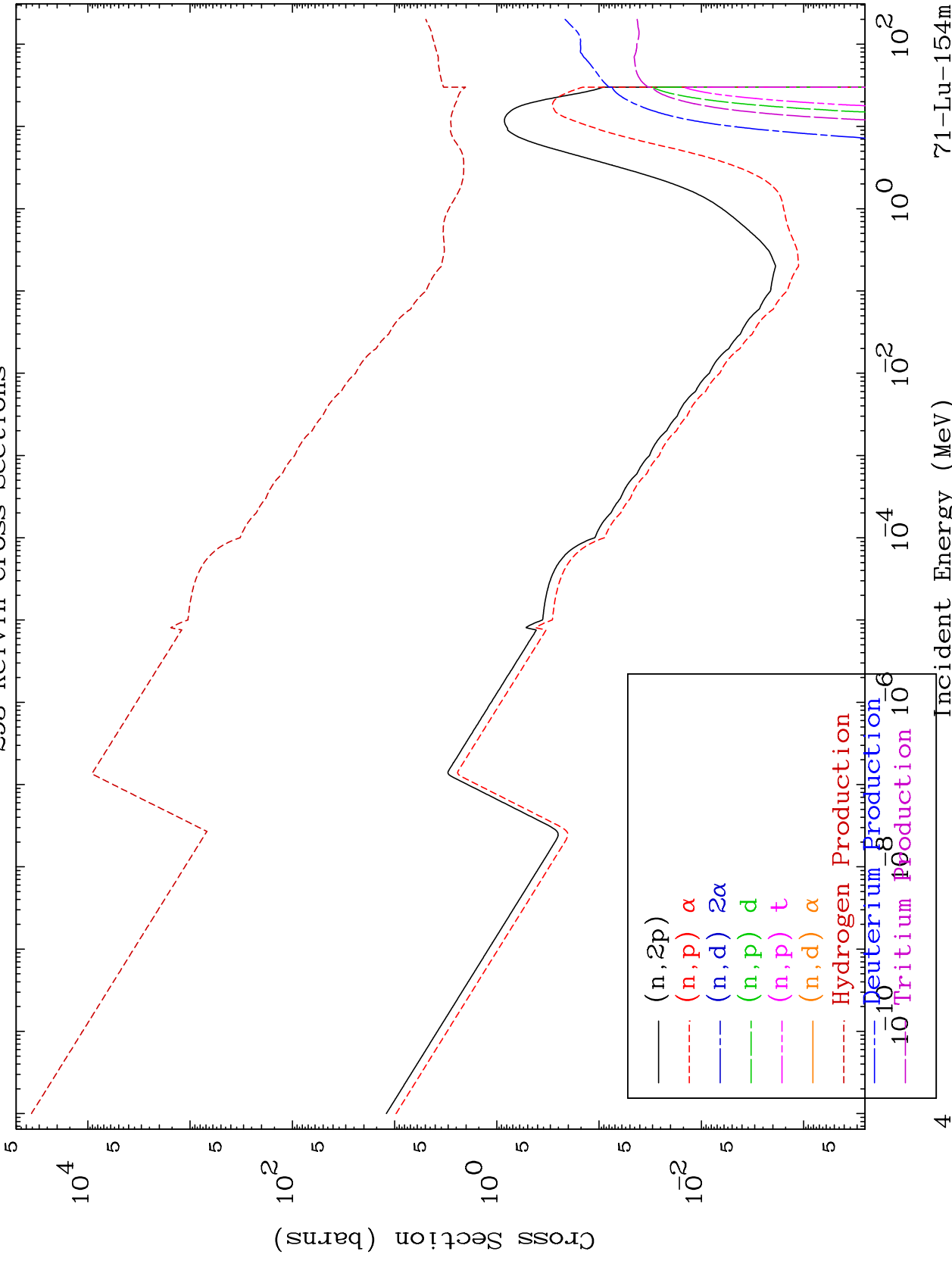
71-Lu-154m



MAT 7063

Neutron Absorption
293 Kelvin Cross Sections

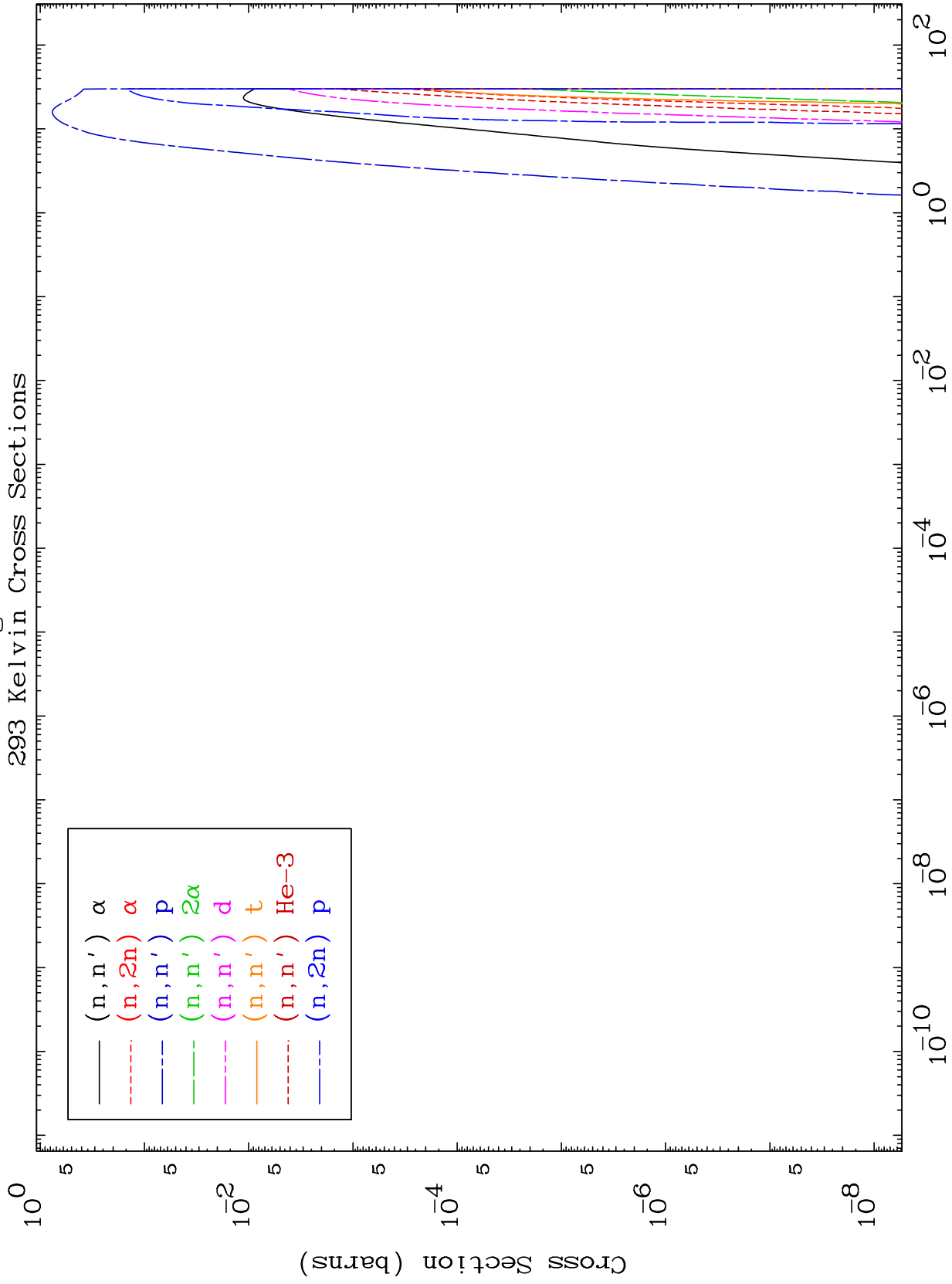
71-Lu-154m



MAT 7063

Charged Particle
293 Kelvin Cross Sections

71-Lu-154m



5

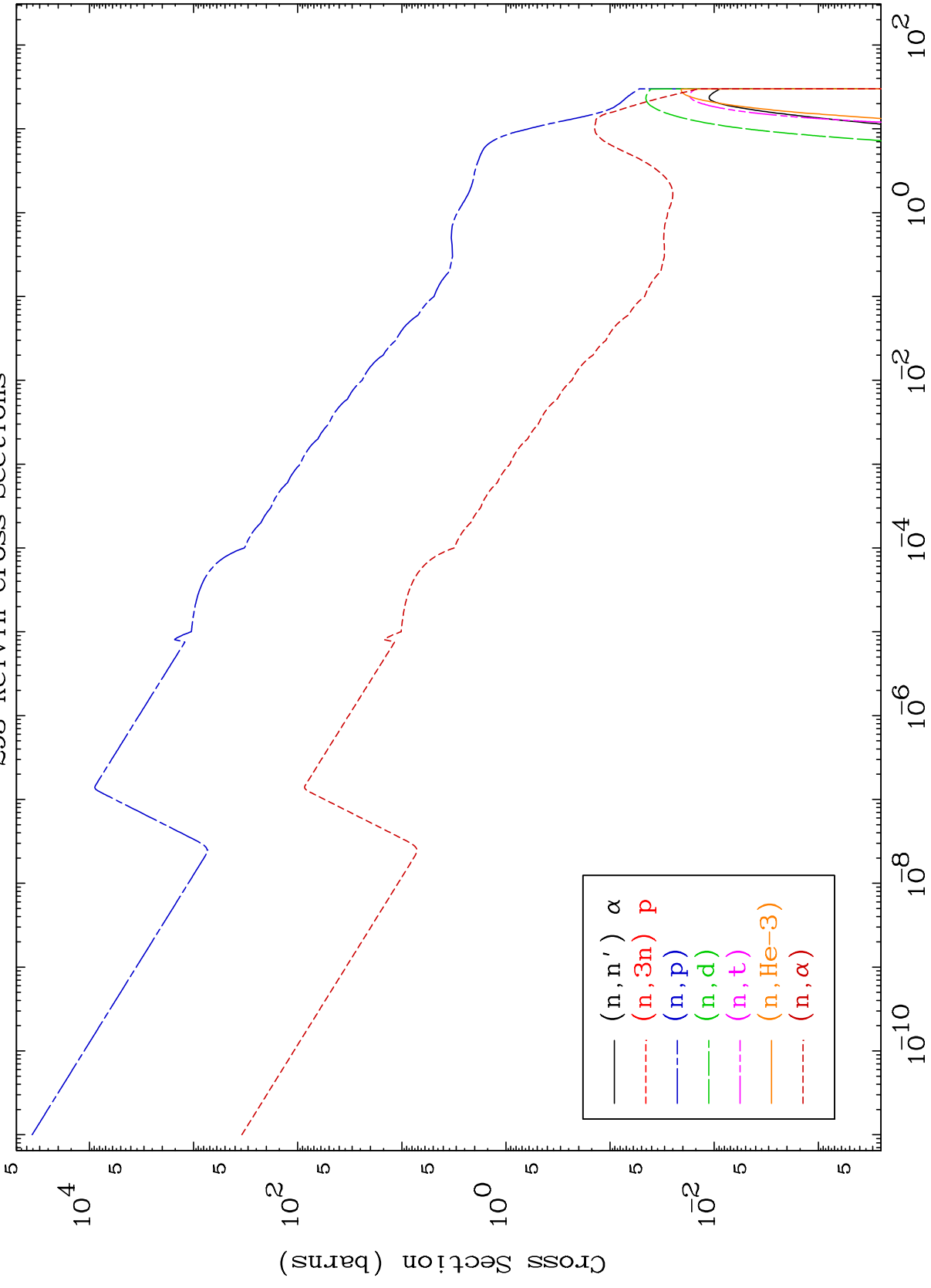
Incident Energy (MeV)

71-Lu-154m

MAT 7063

293 Kelvin Cross Sections

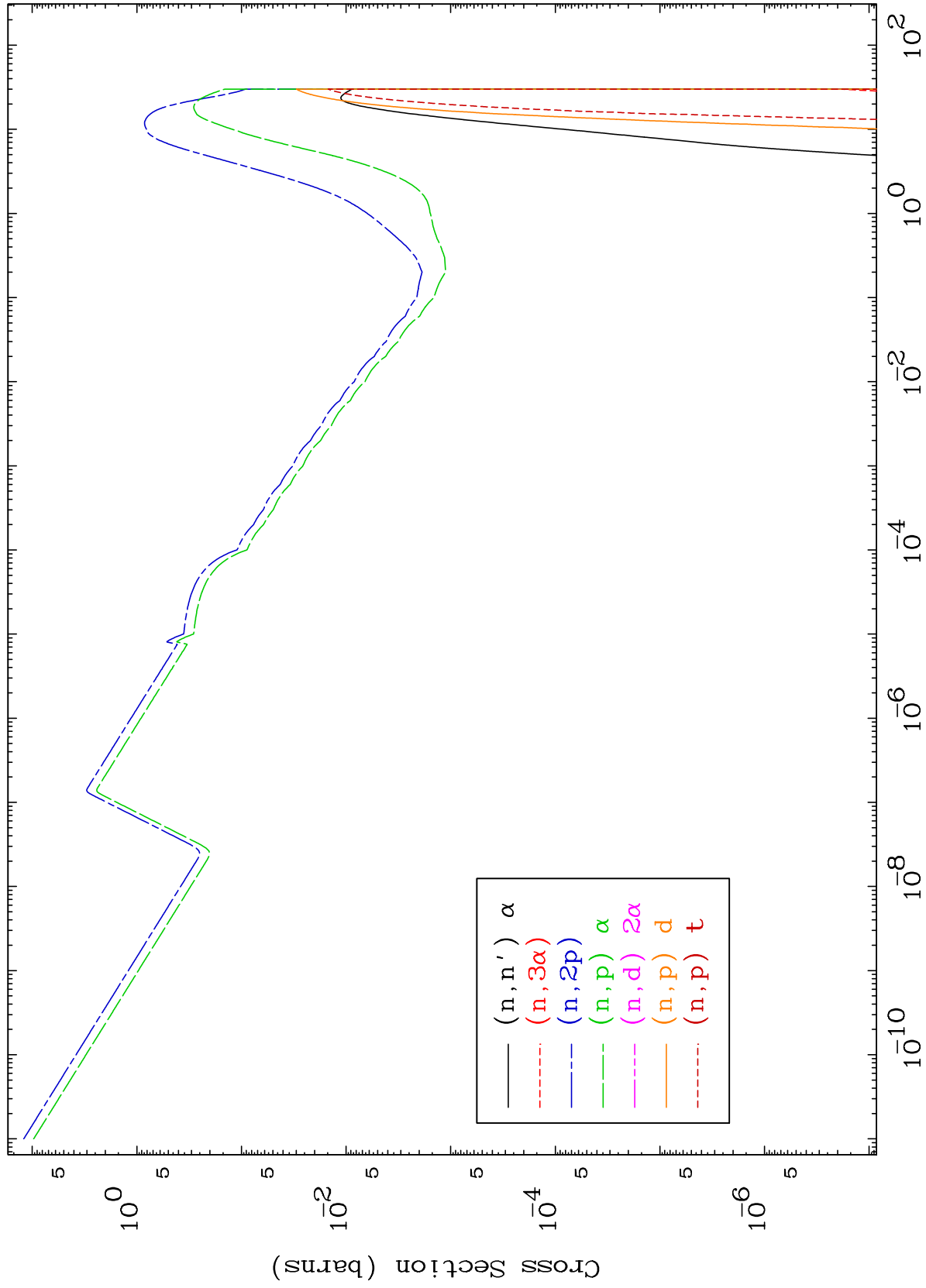
71-Lu-154m



MAT 7063

293 Kelvin Cross Sections

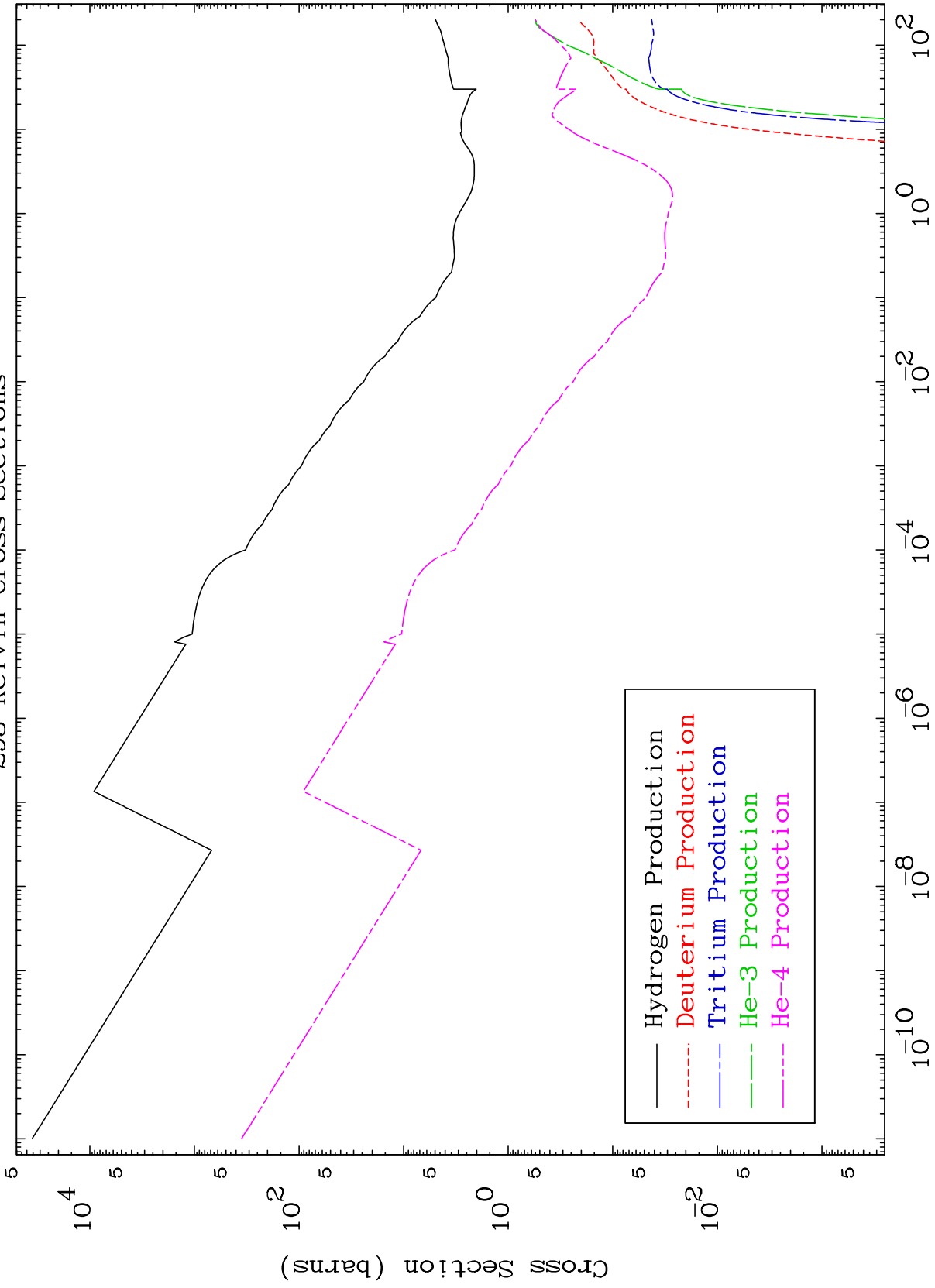
71-Lu-154m



MAT 7063

Particle Production
293 Kelvin Cross Sections

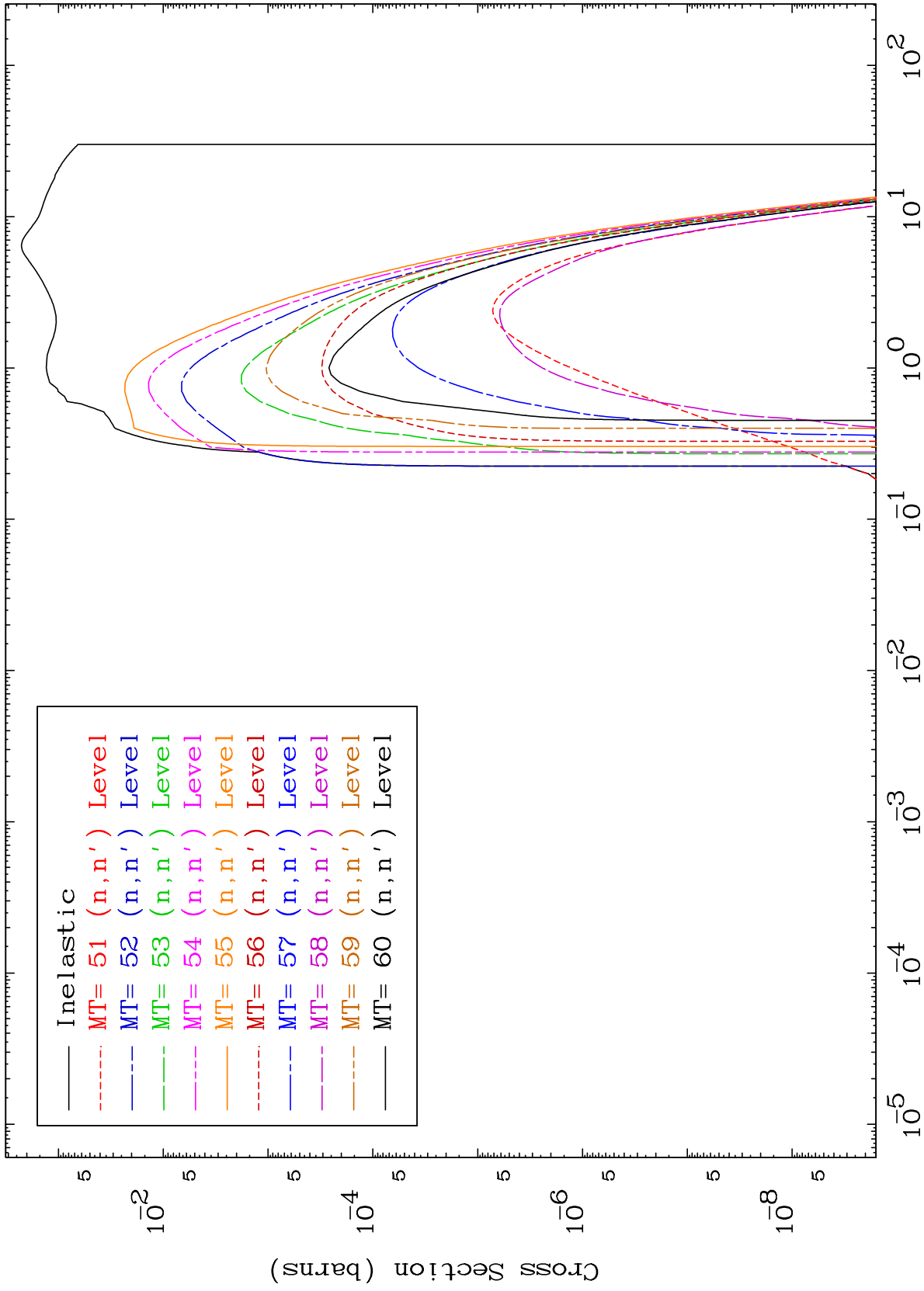
71-Lu-154m



MAT 7063

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-154m



9

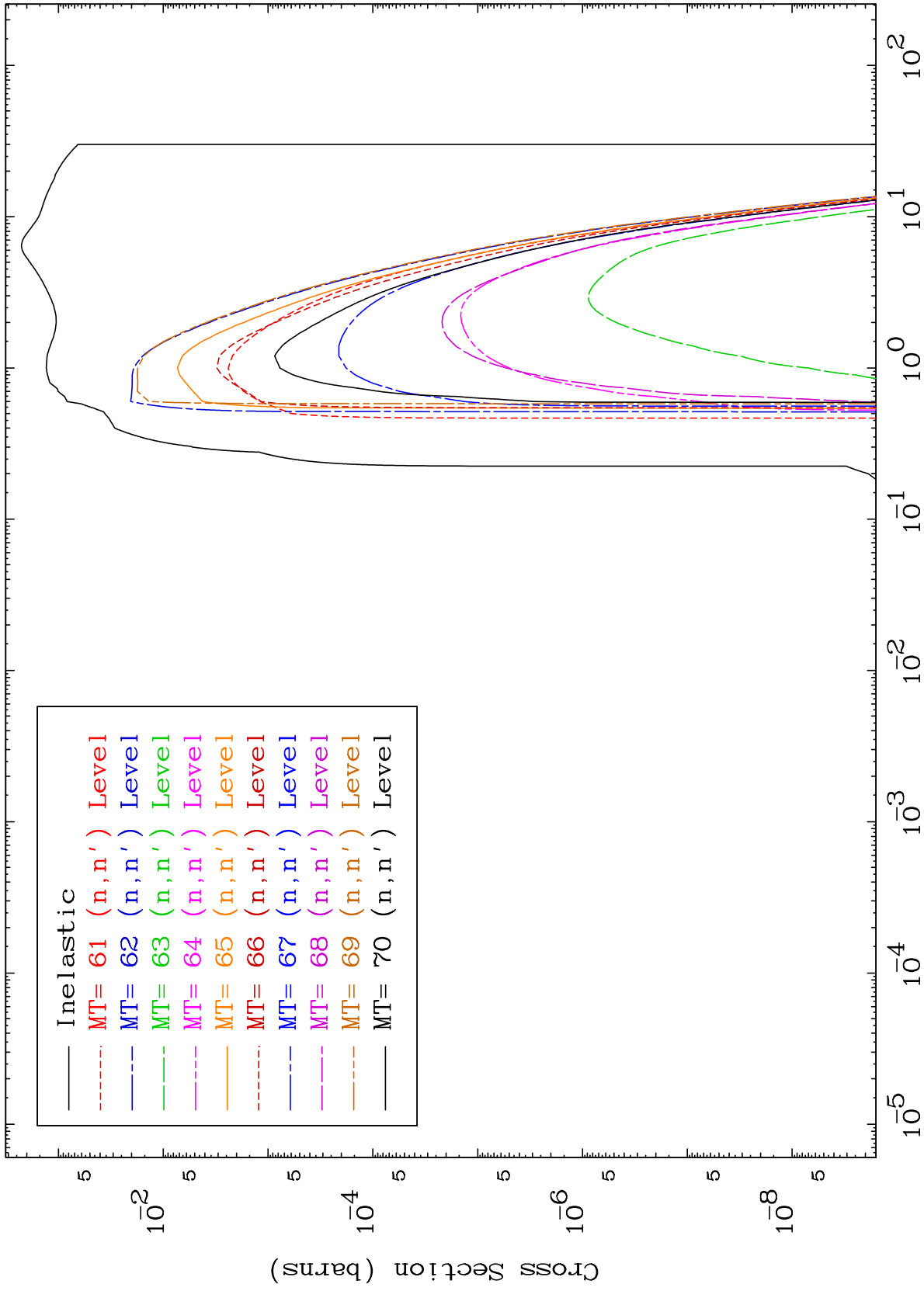
Incident Energy (MeV)

71-Lu-154m

MAT 7063

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-154m



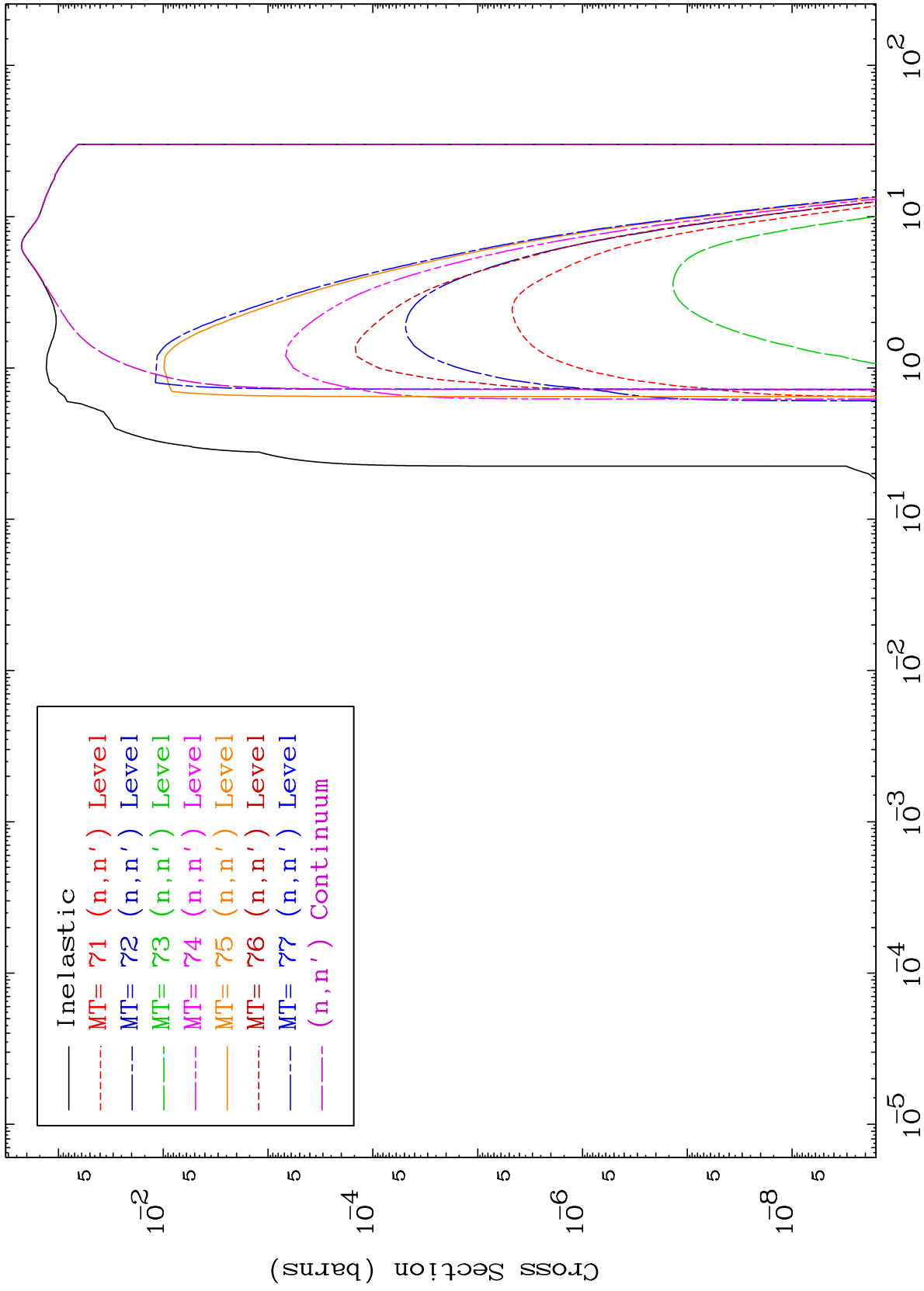
Incident Energy (MeV)

71-Lu-154m

MAT 7063

(n,n') Levels
293 Kelvin Cross Sections

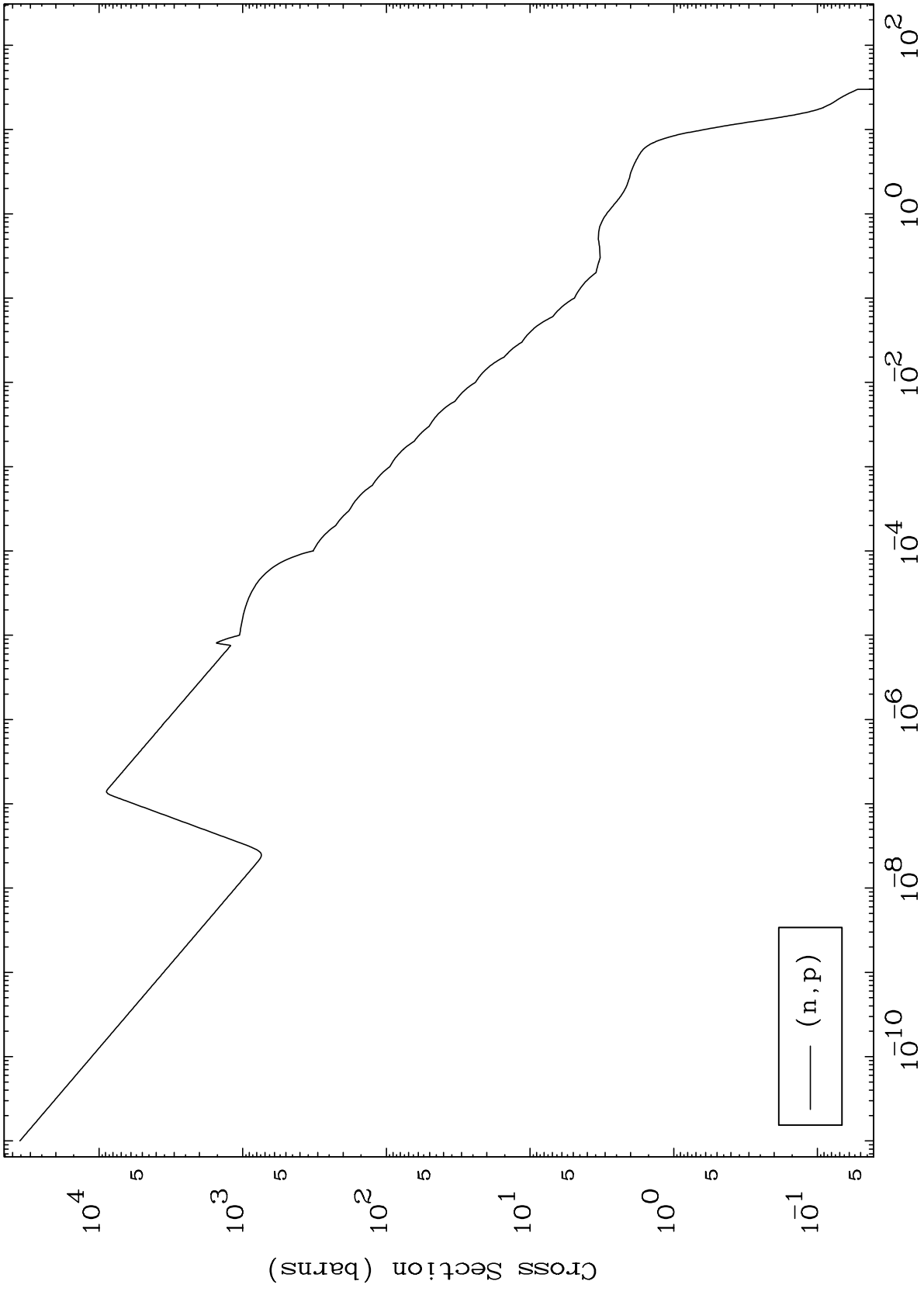
71-Lu-154m



MAT 7063

(n,p) Levels
293 Kelvin Cross Sections

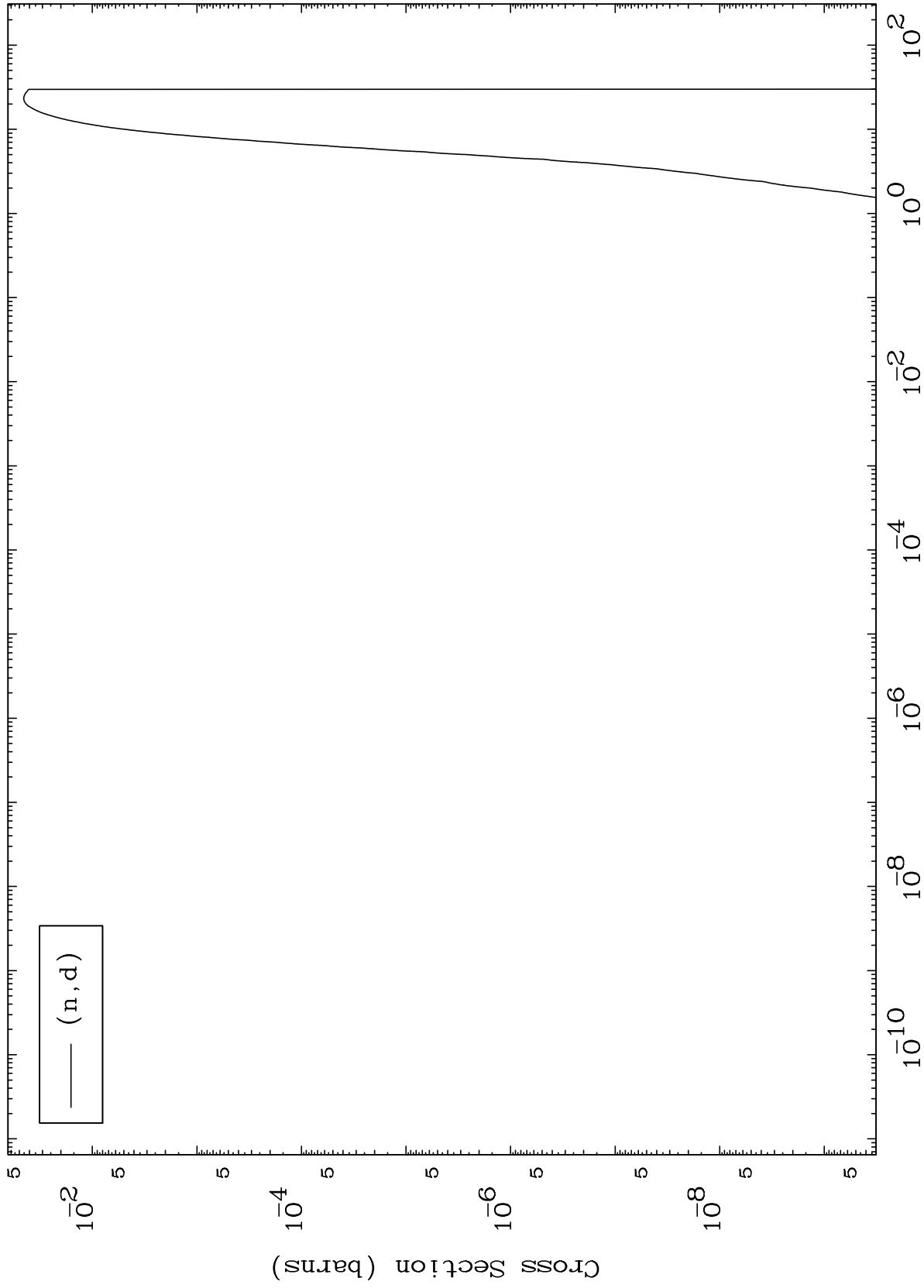
71-Lu-154m



MAT 7063

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-154m



13

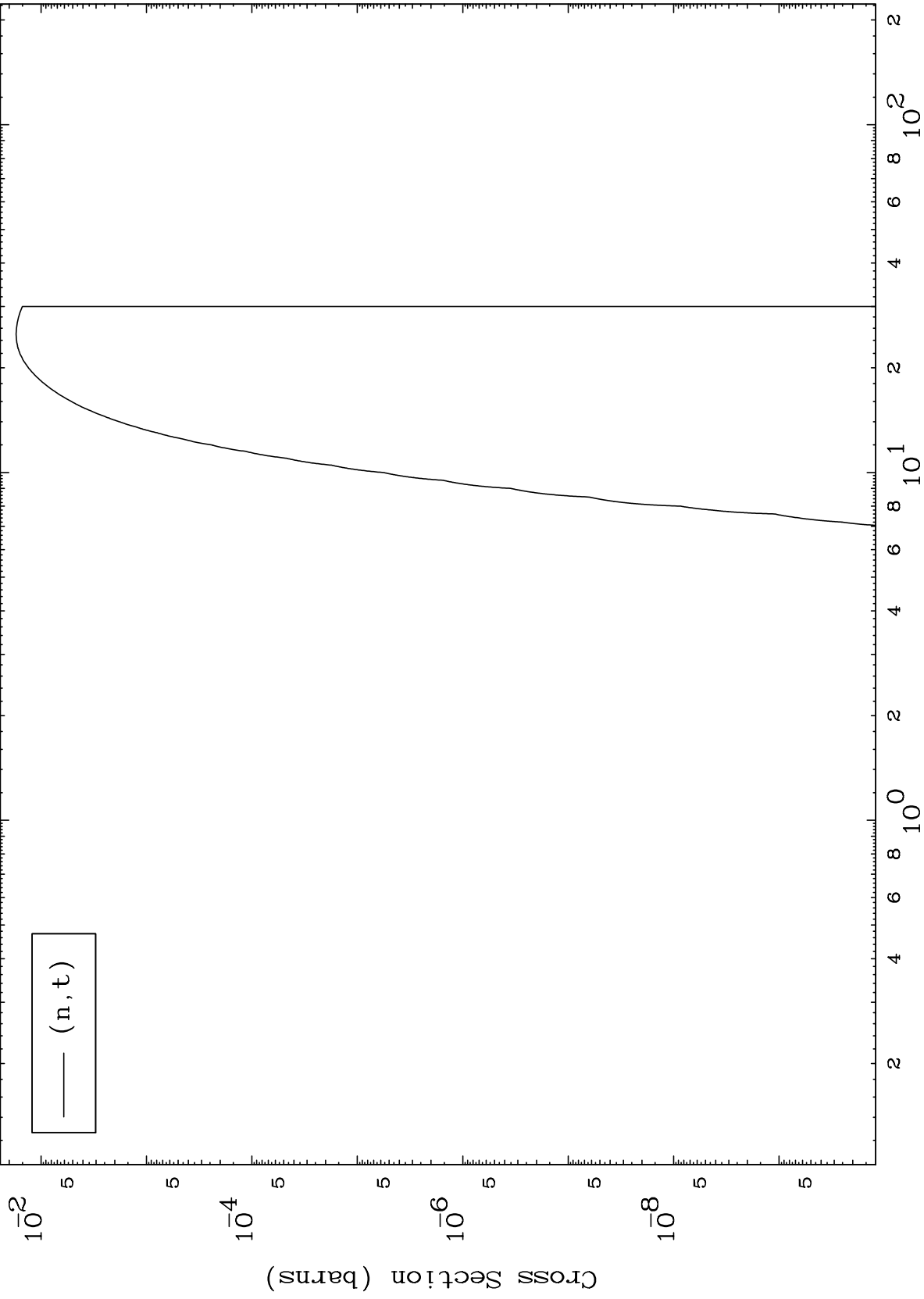
Incident Energy (MeV)

71-Lu-154m

MAT 7063

(n,t) Levels
293 Kelvin Cross Sections

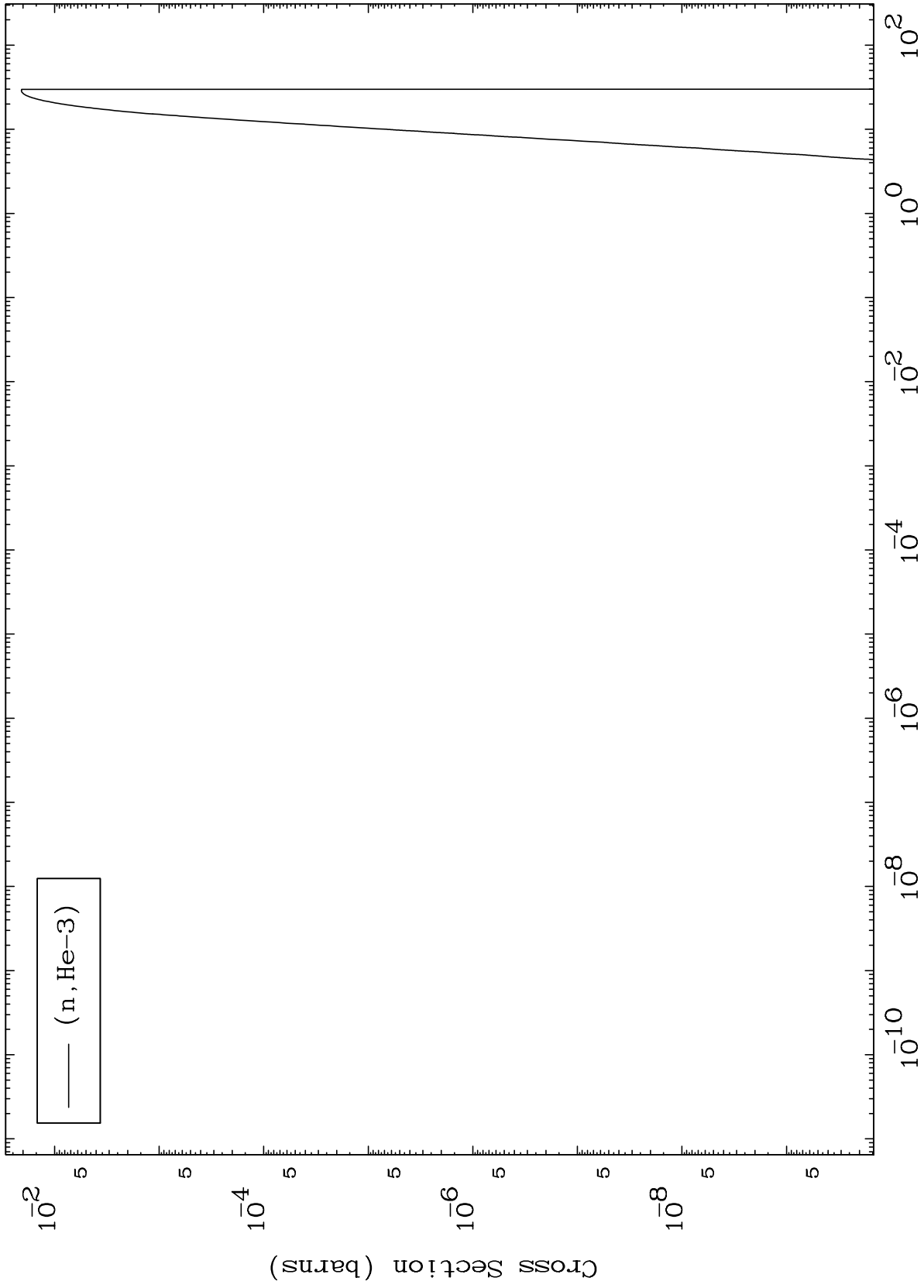
71-Lu-154m



MAT 7063

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-154m



15

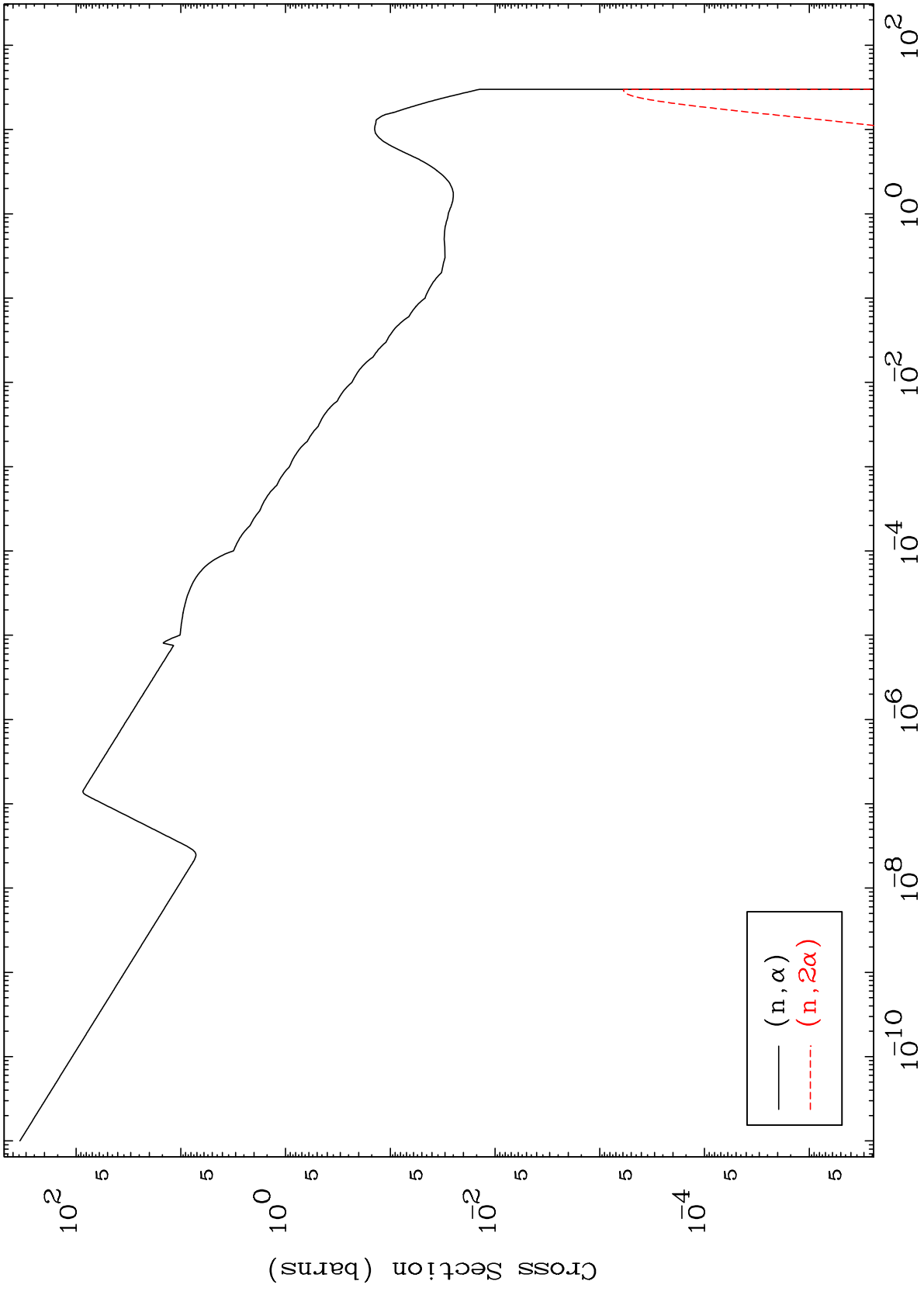
Incident Energy (MeV)

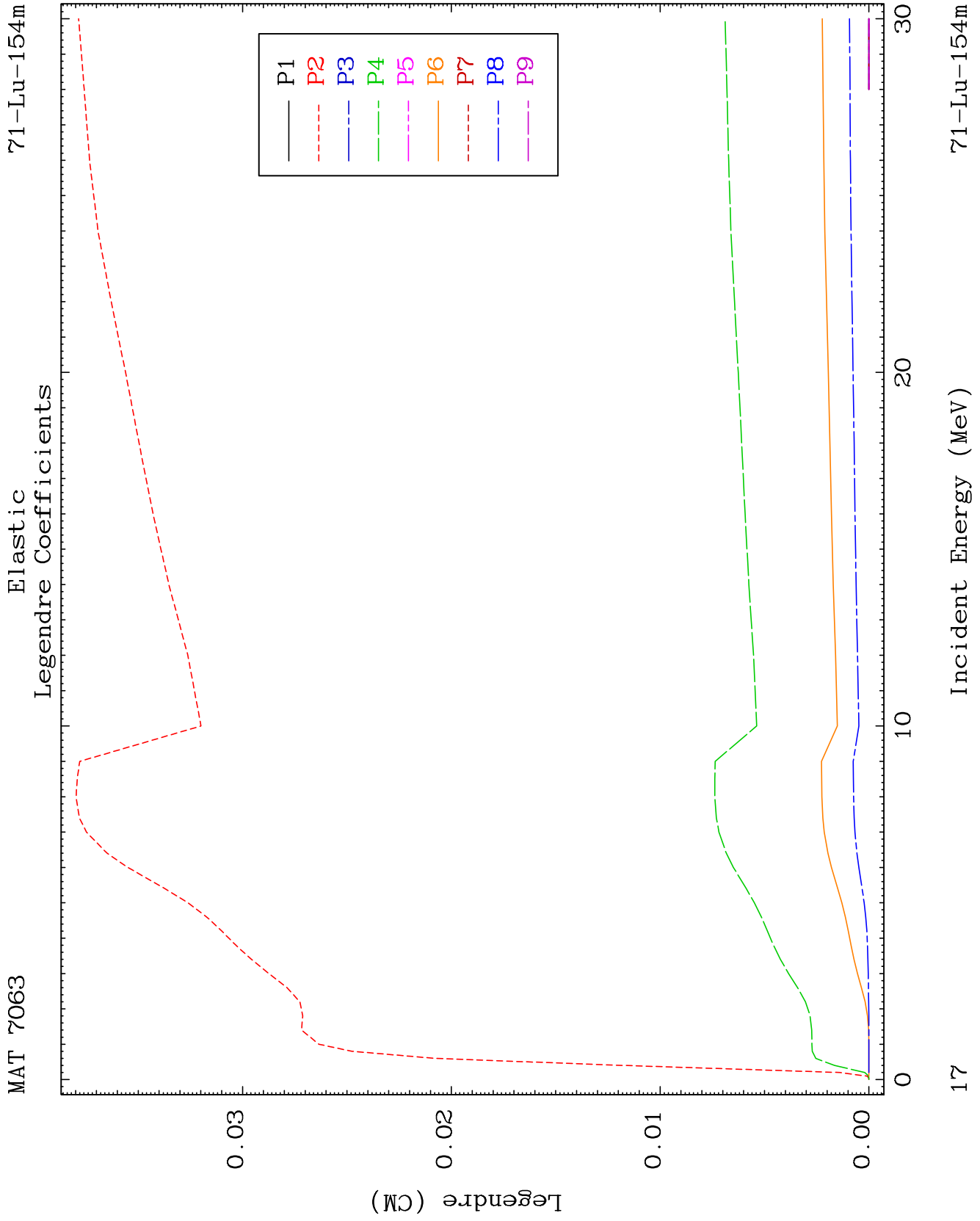
71-Lu-154m

MAT 7063

(n,α) Levels
293 Kelvin Cross Sections

71-Lu-154m

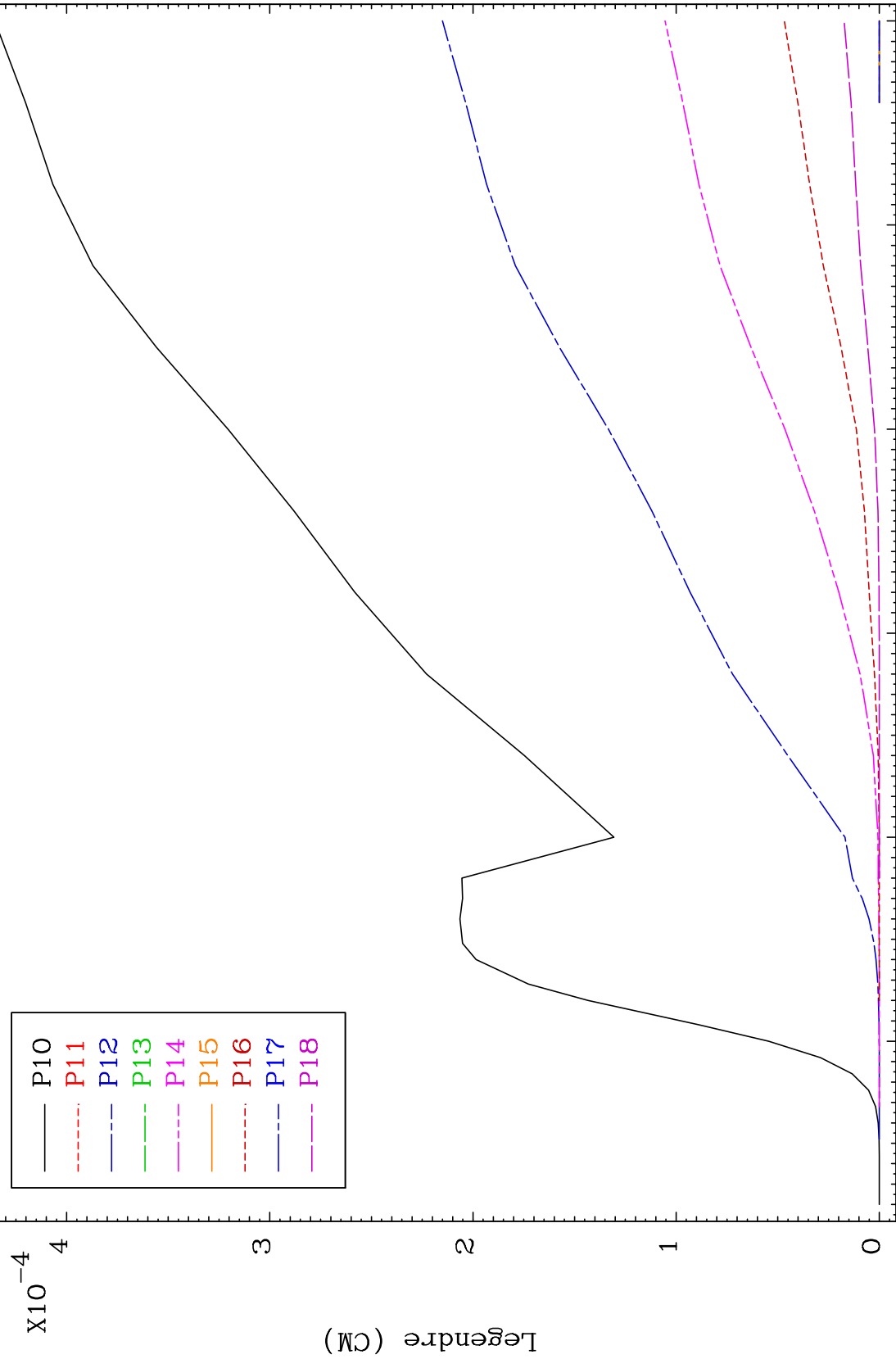
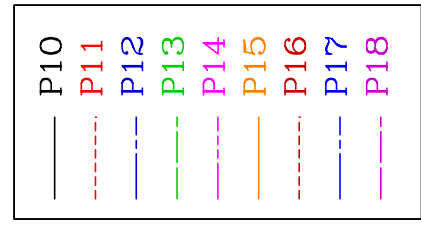




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Elastic Legendre Coefficients

71-Lu-154m



18

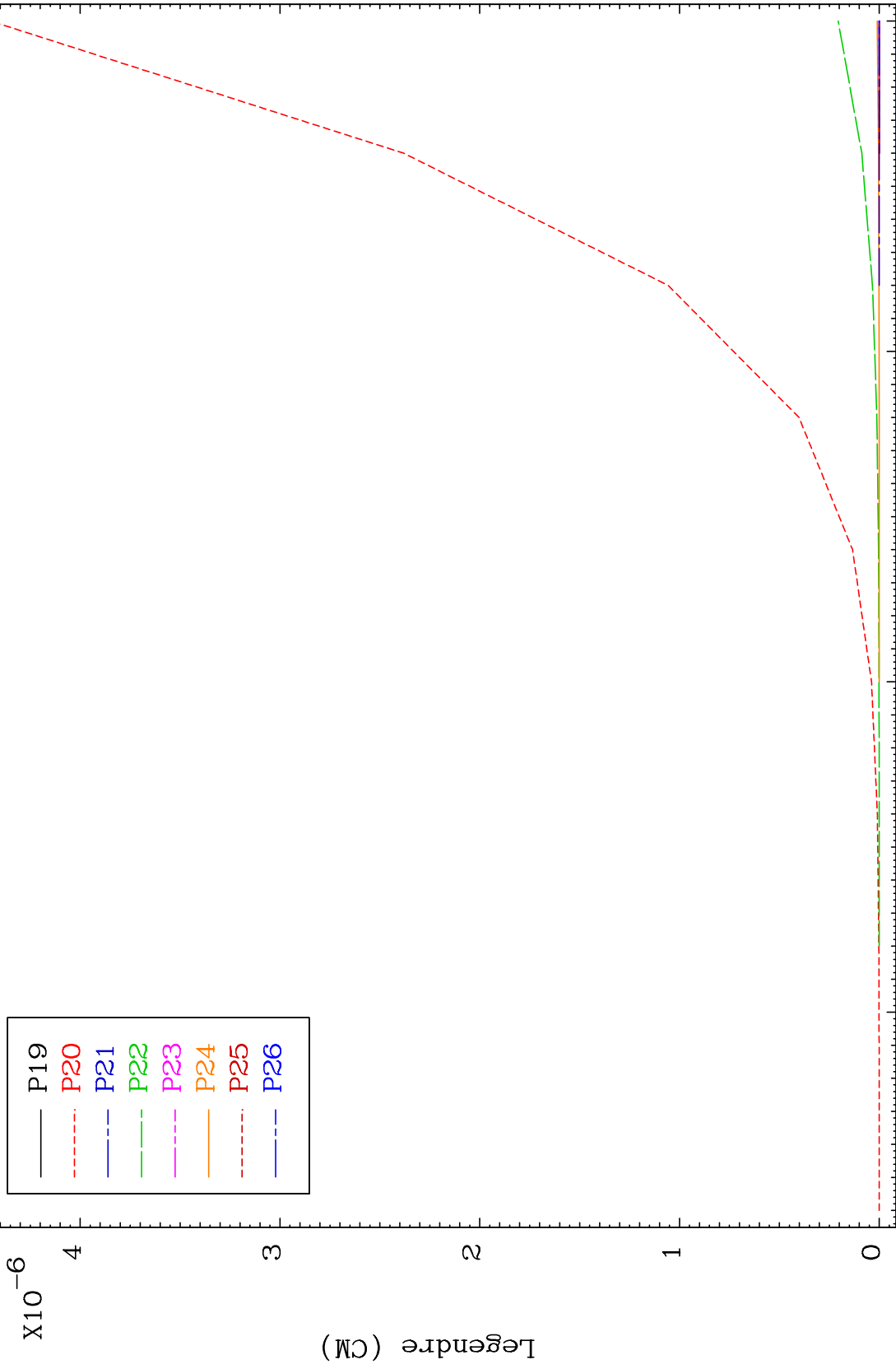
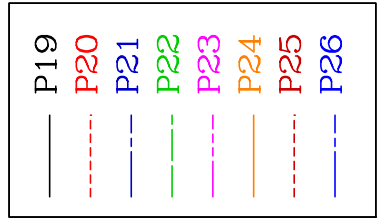
Incident Energy (MeV)

71-Lu-154m

MAT 7063

Elastic Legendre Coefficients

71-Lu-154m



19

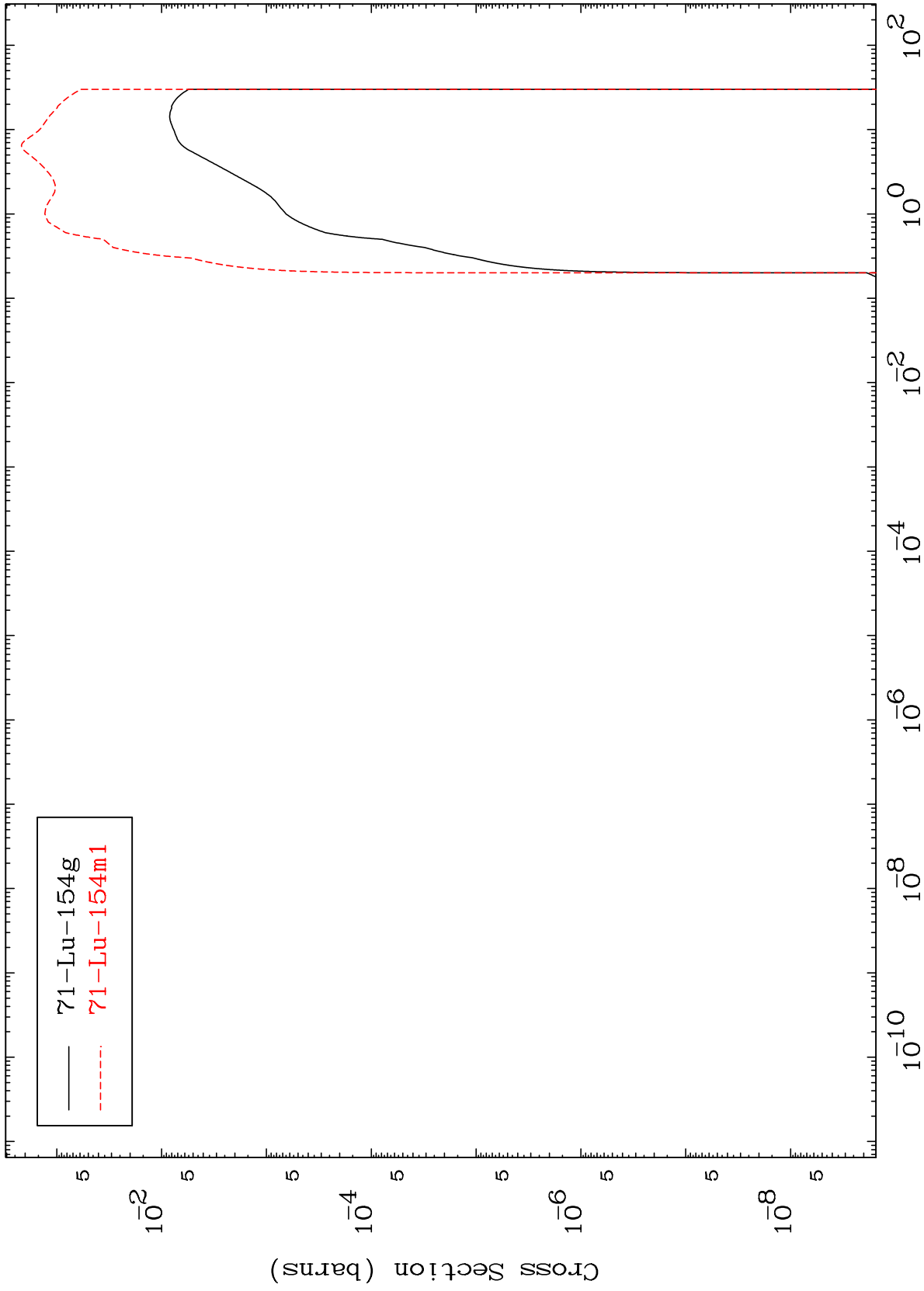
Incident Energy (MeV)

71-Lu-154m

MAT 7063

Inelastic
Radionuclide Production Cross Section

⁷¹Lu-154m



20

Incident Energy (MeV)

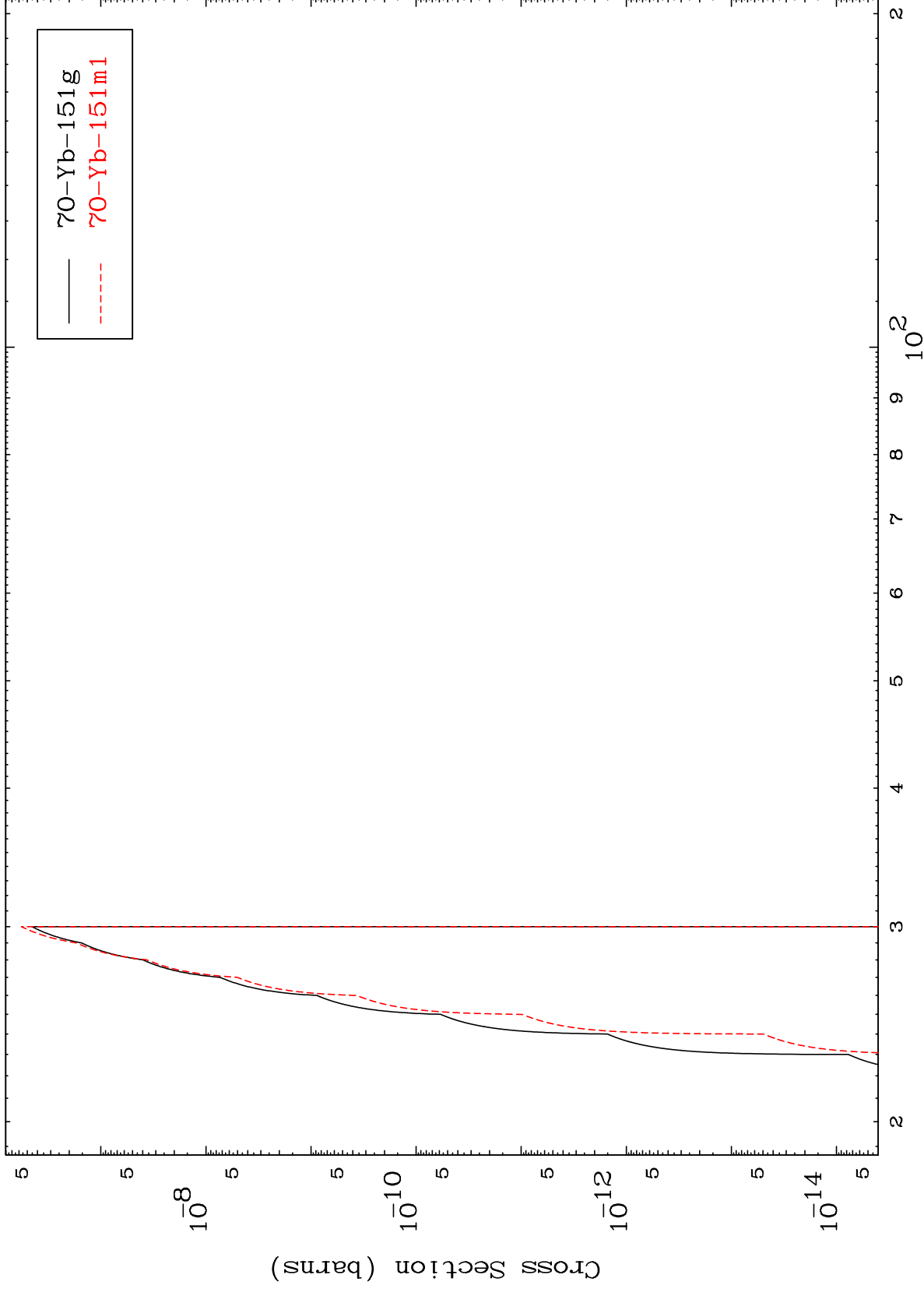
⁷¹Lu-154m

MAT 7063

(n,2n) d

⁷¹Lu-154m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

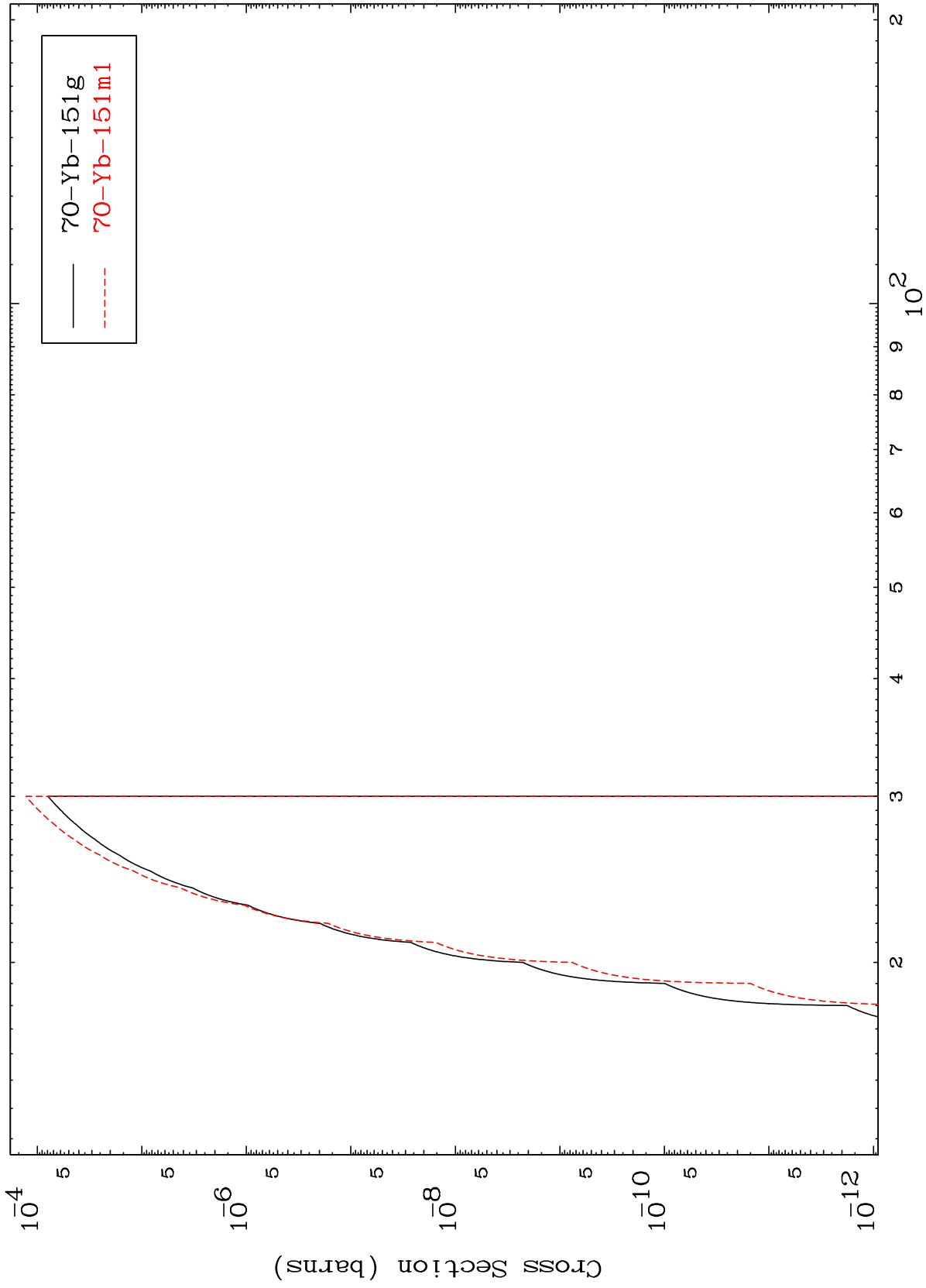
⁷¹Lu-154m

MAT 7063

(n,n') t

71-Lu-154m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

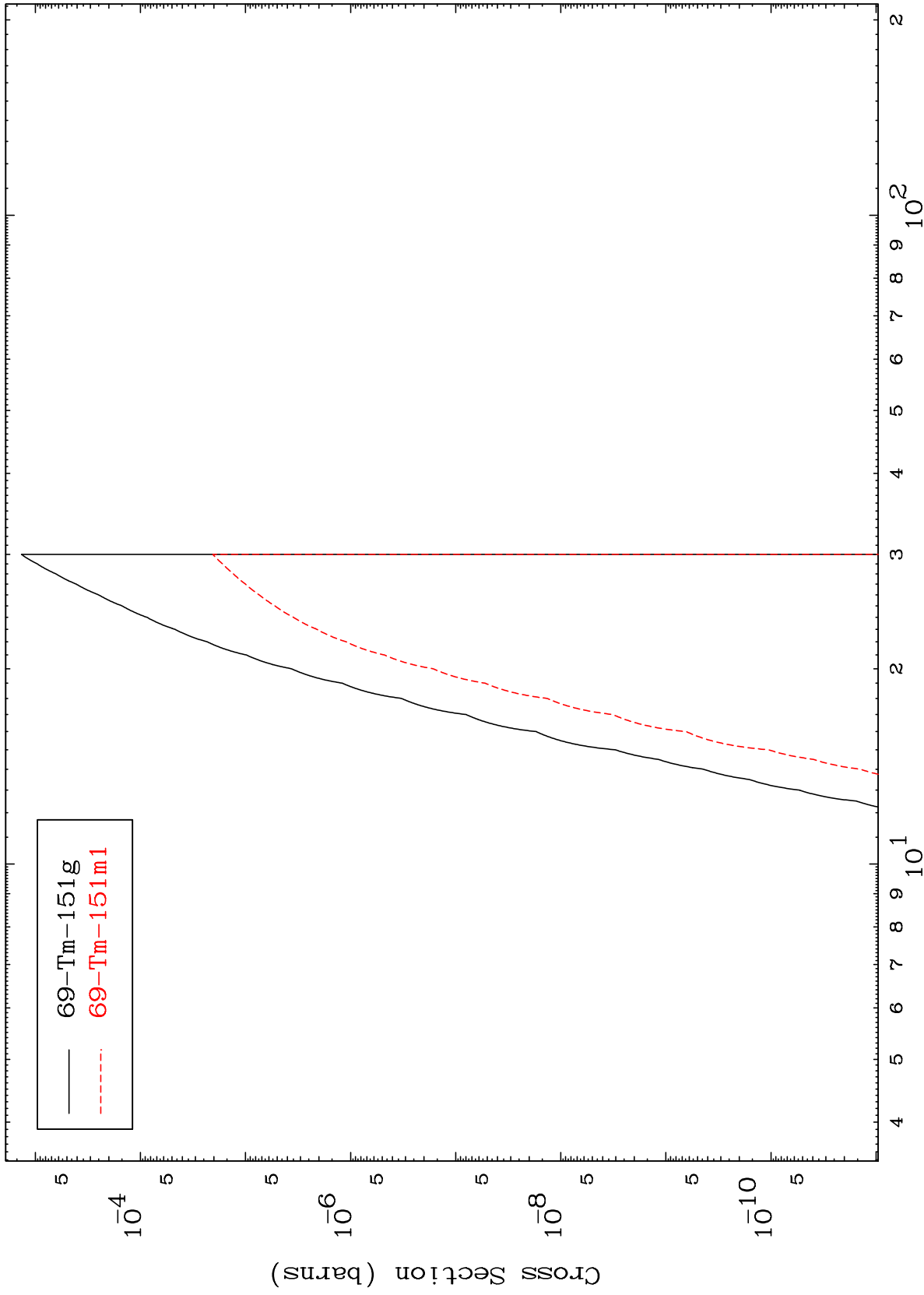
71-Lu-154m

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(n, n') He-3

71-Lu-154m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

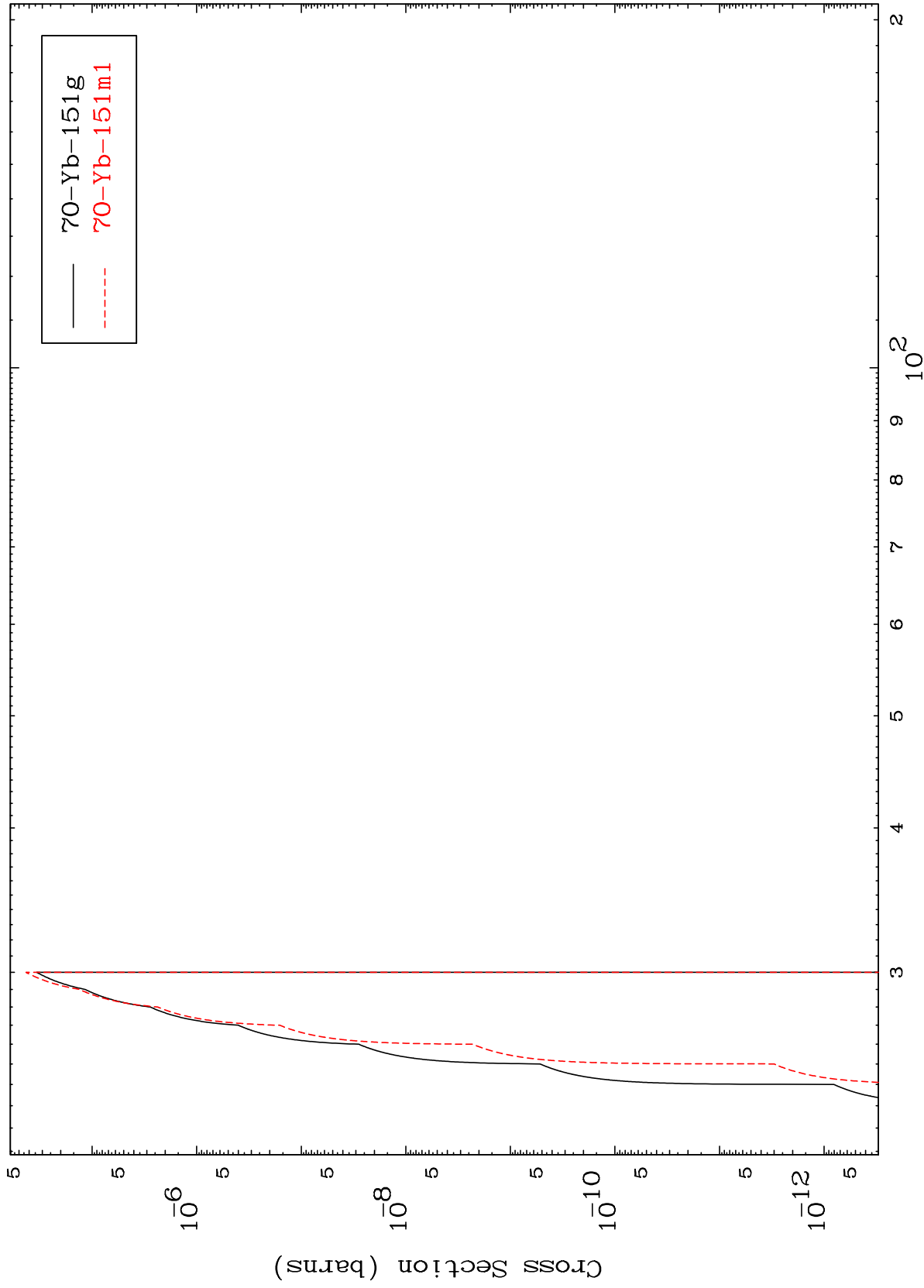
71-Lu-154m

MAT 7063

(n,3n) p

71-Lu-154m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

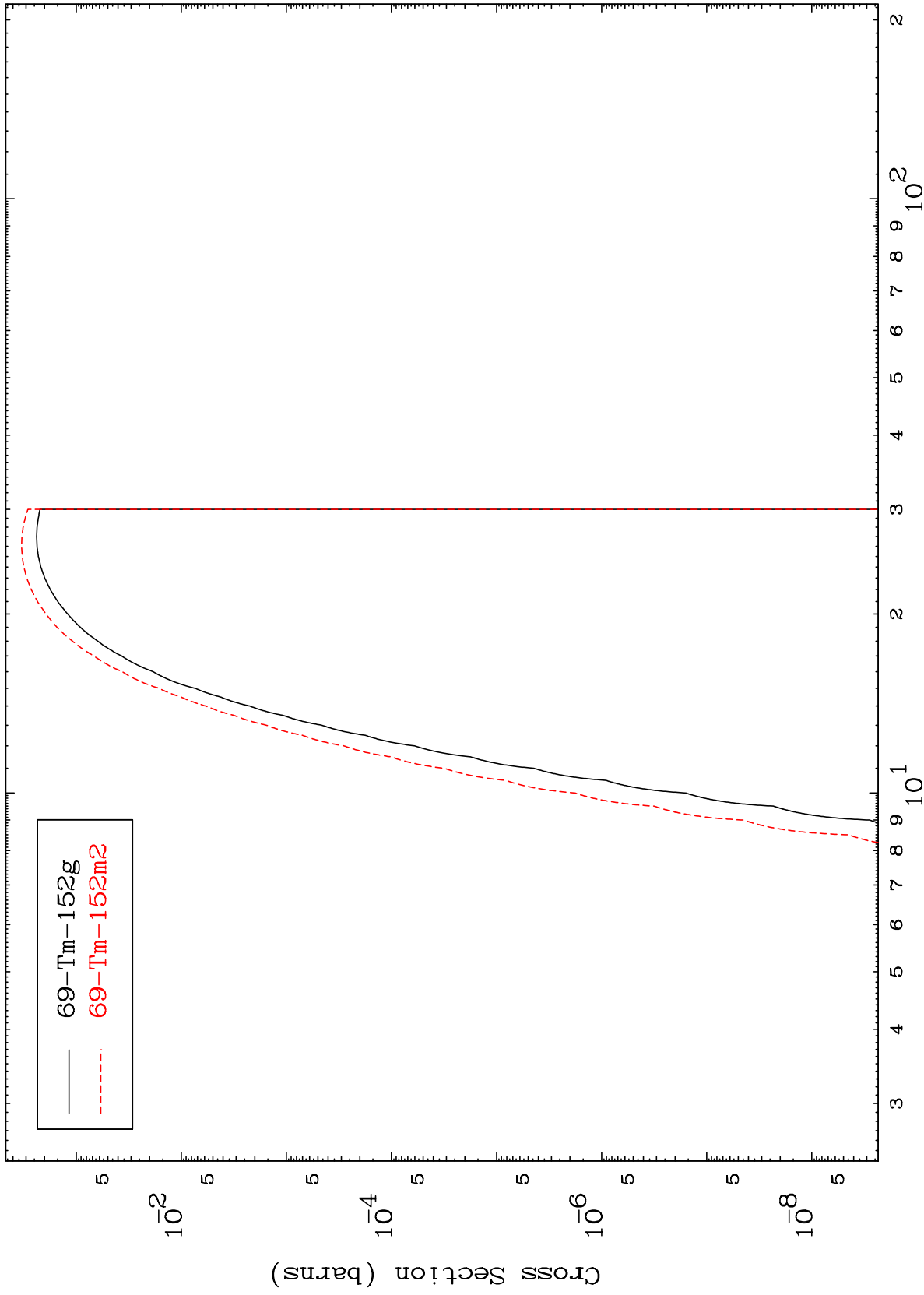
71-Lu-154m

MAT 7063

(n,2n) p

71-Lu-154m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

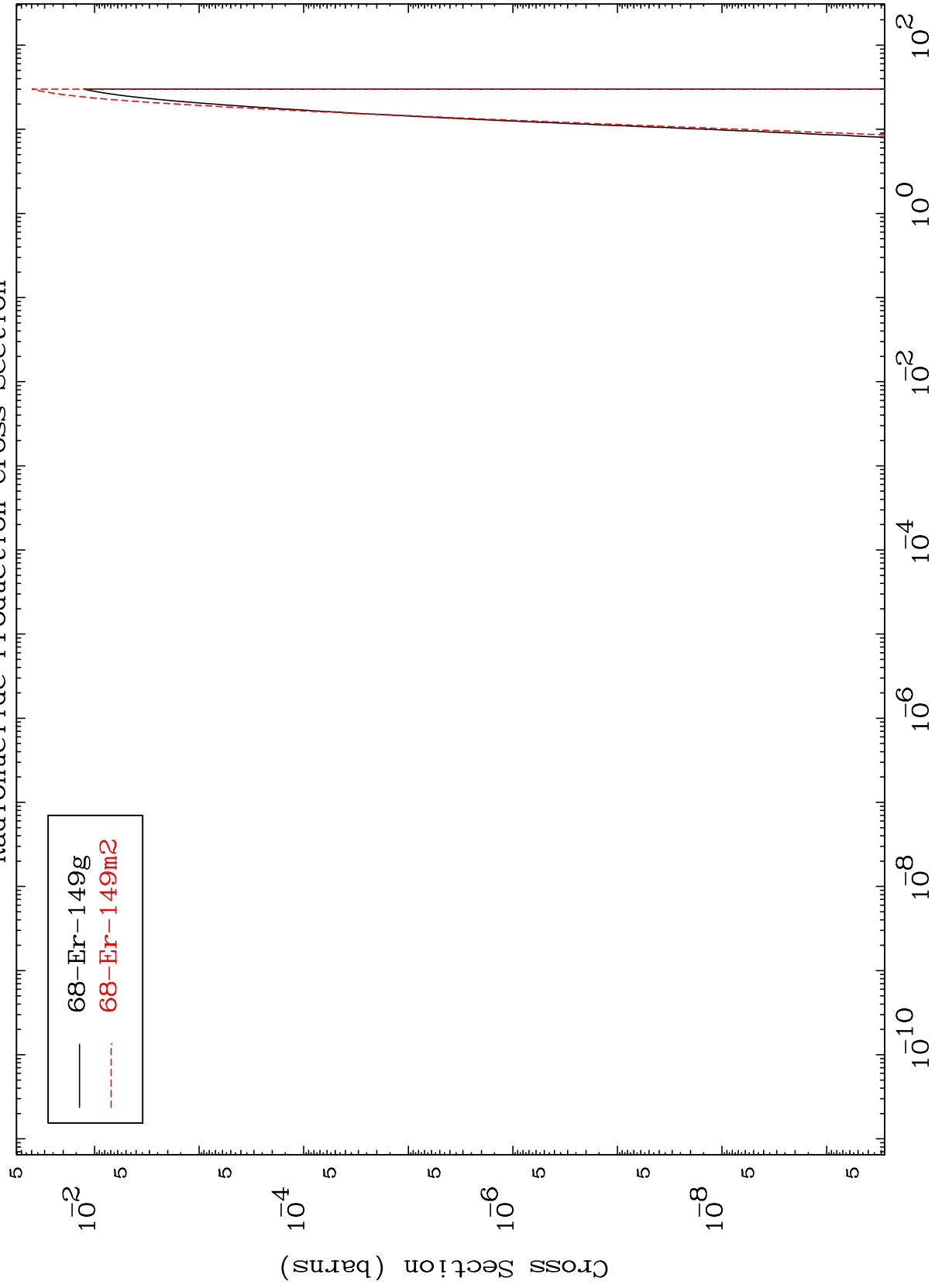
71-Lu-154m

MAT 7063

(n,n') p α

71-Lu-154m

Radionuclide Production Cross Section



26

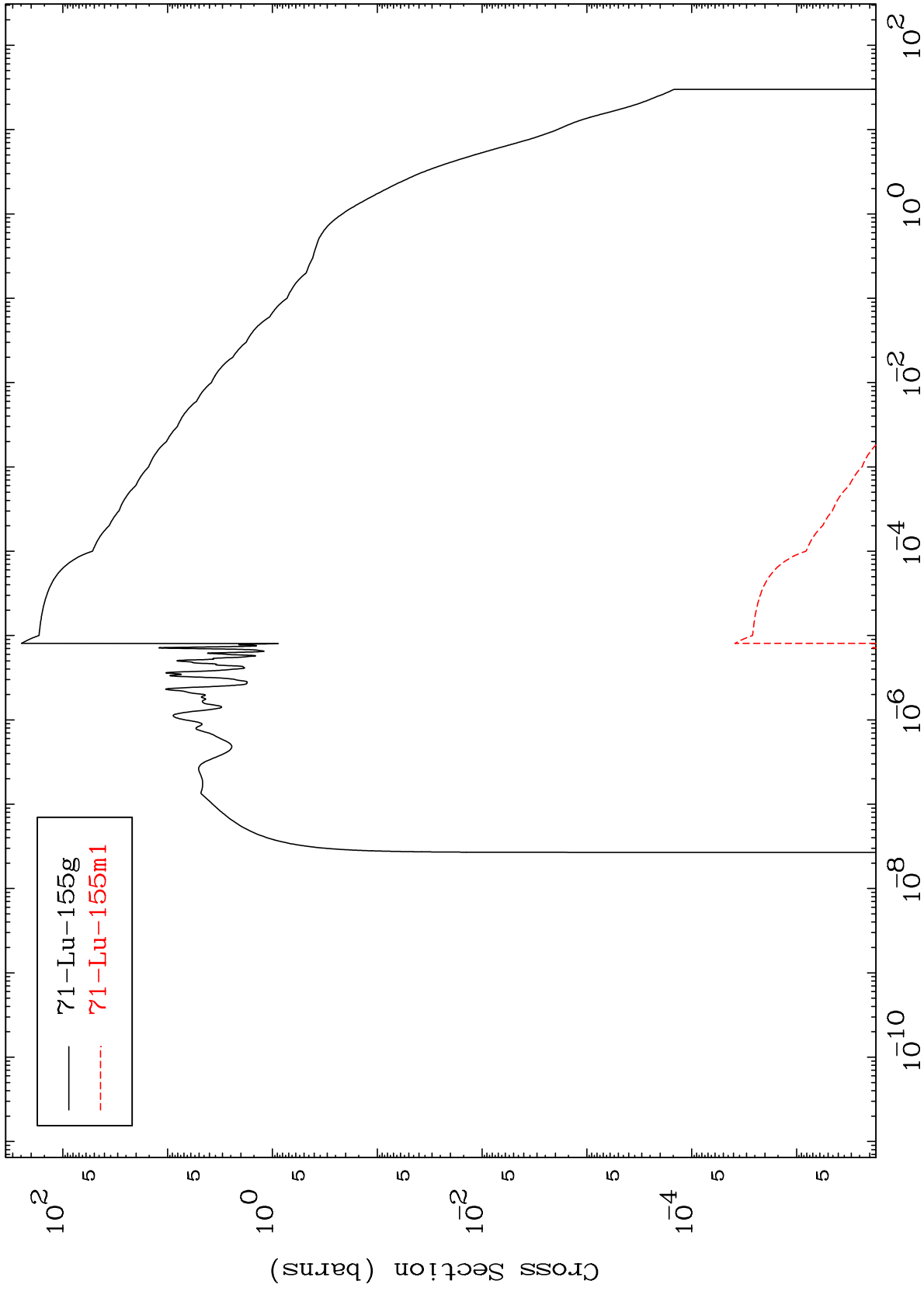
Incident Energy (MeV)

71-Lu-154m

MAT 7063

⁷¹Lu-154m

Radionuclide Production Cross Section (n,γ)



27

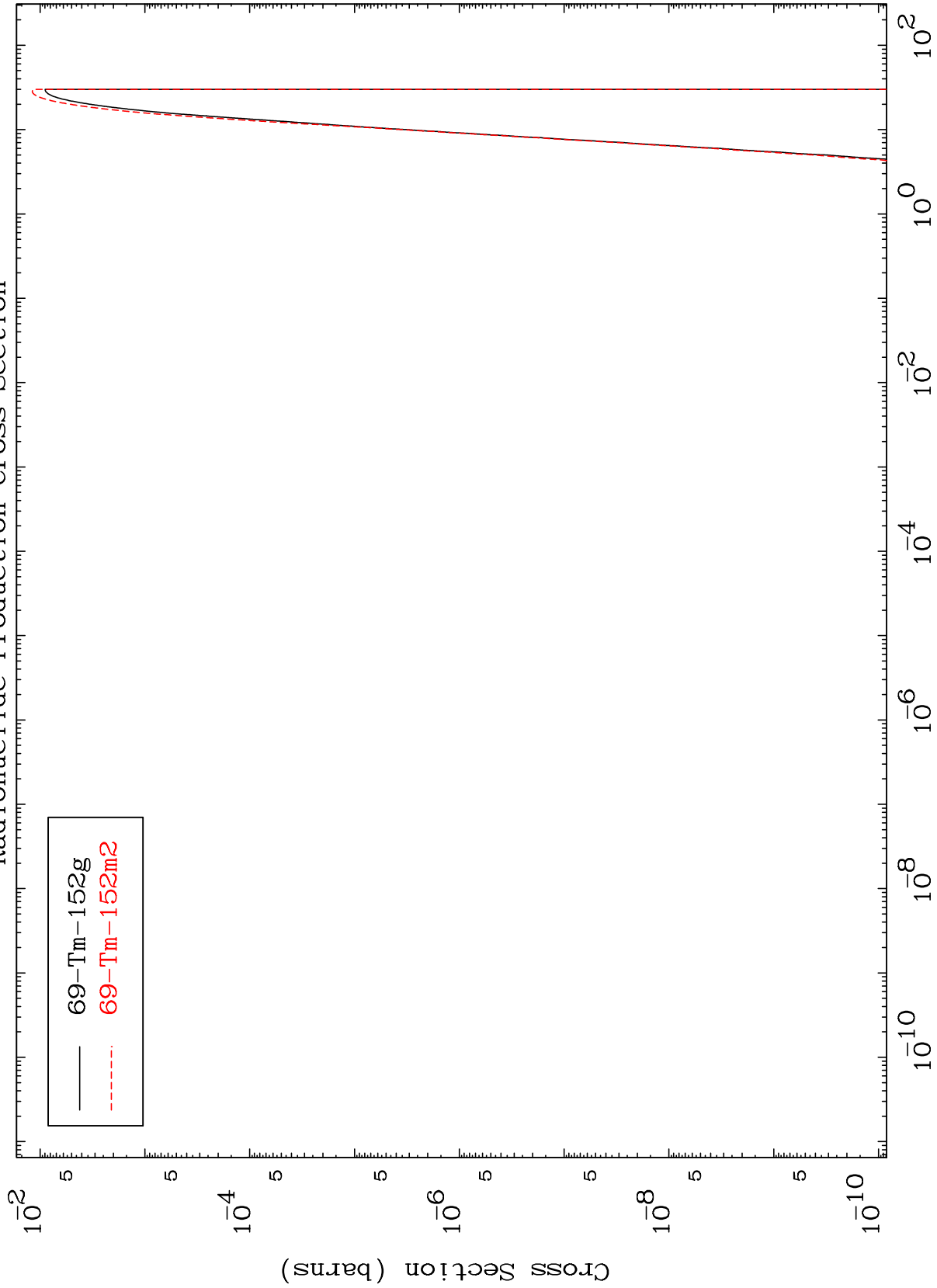
⁷¹Lu-154m

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(n, He-3)

71-Lu-154m

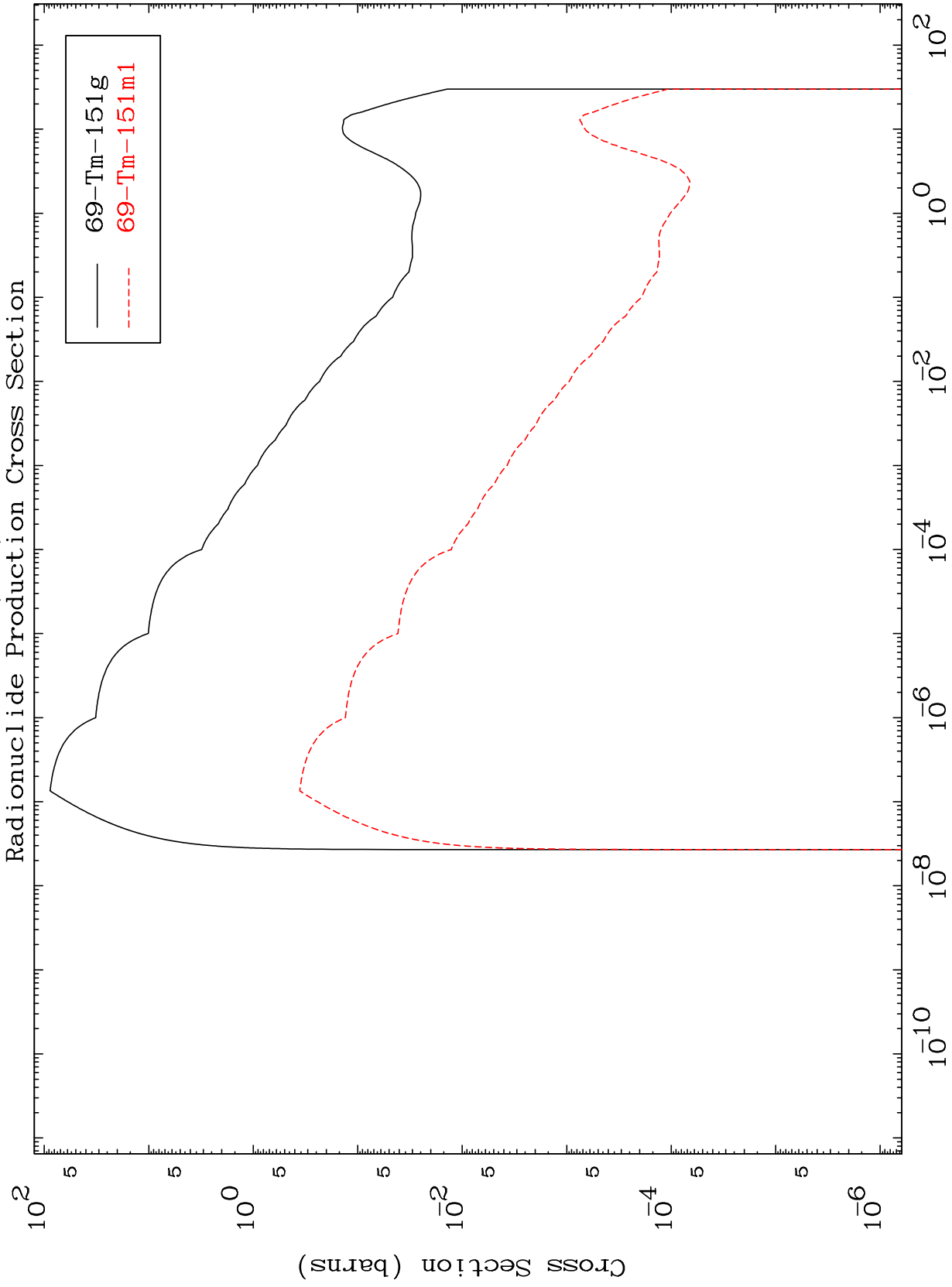
Radionuclide Production Cross Section



MAT 7063

(n, α)

71-Lu-154m



29

Incident Energy (MeV)

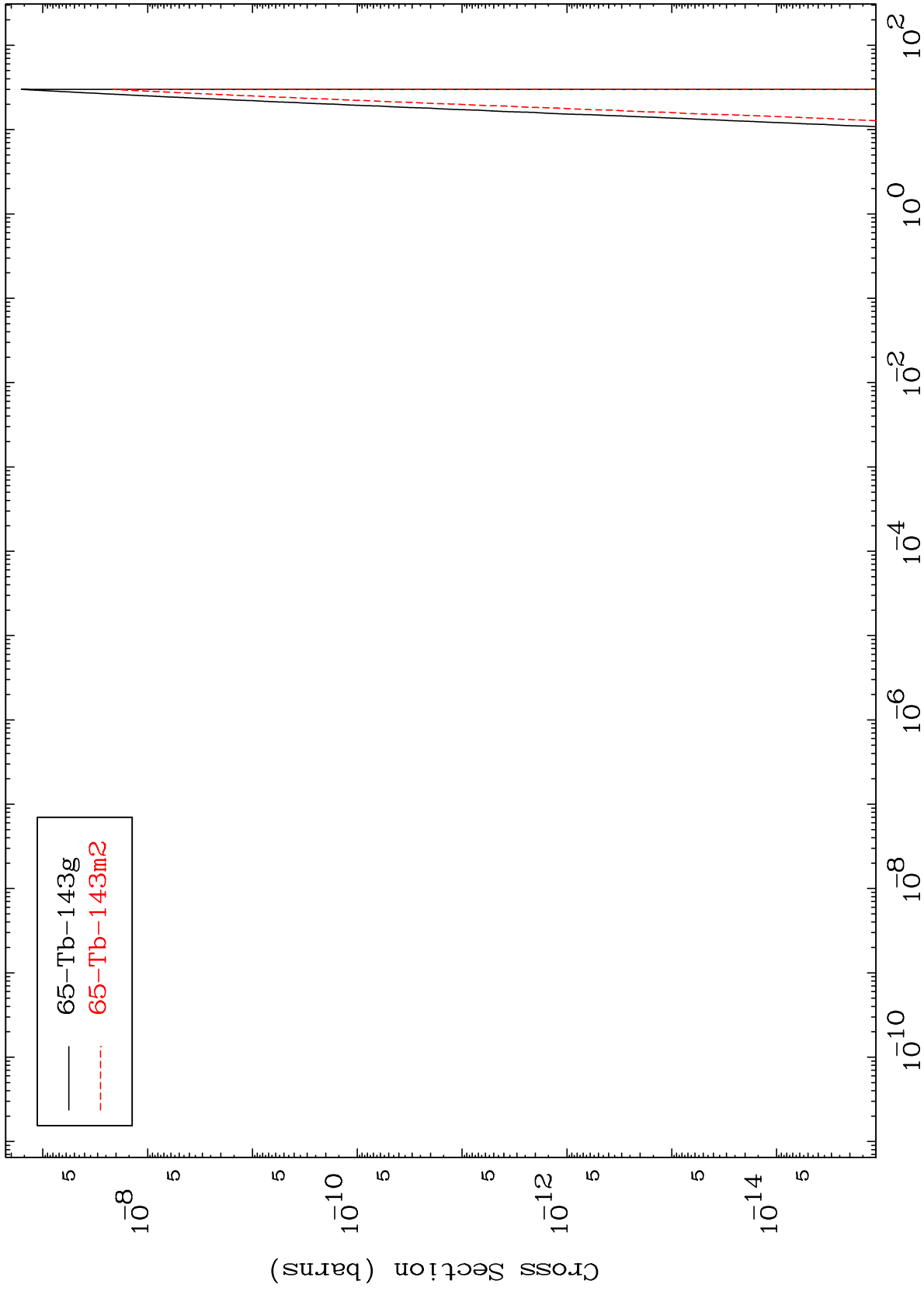
71-Lu-154m

MAT 7063

(n, 3α)

71-Lu-154m

Radionuclide Production Cross Section



30

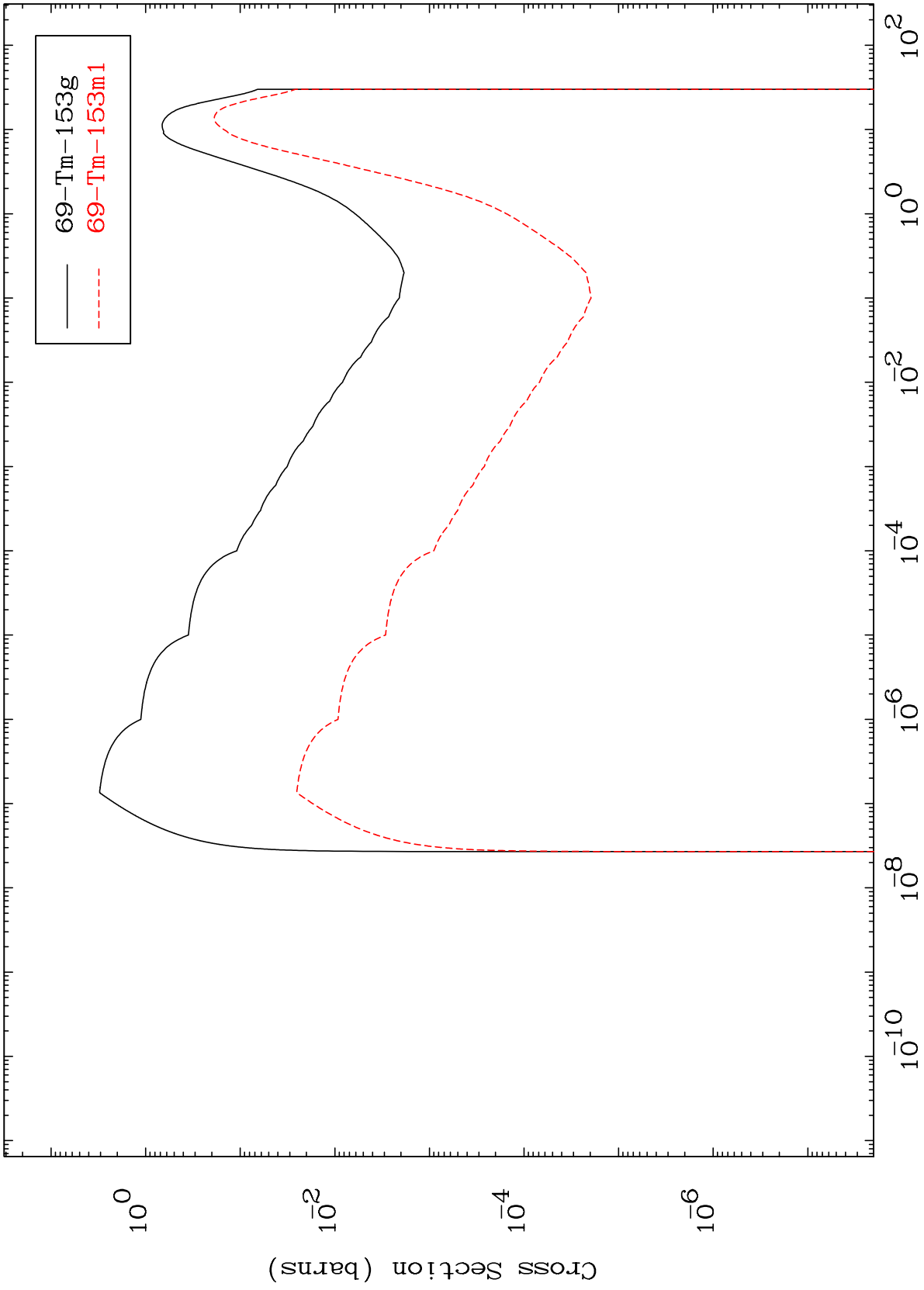
Incident Energy (MeV)

71-Lu-154m

MAT 7063

71-Lu-154m

(n,2p)
Radionuclide Production Cross Section



31

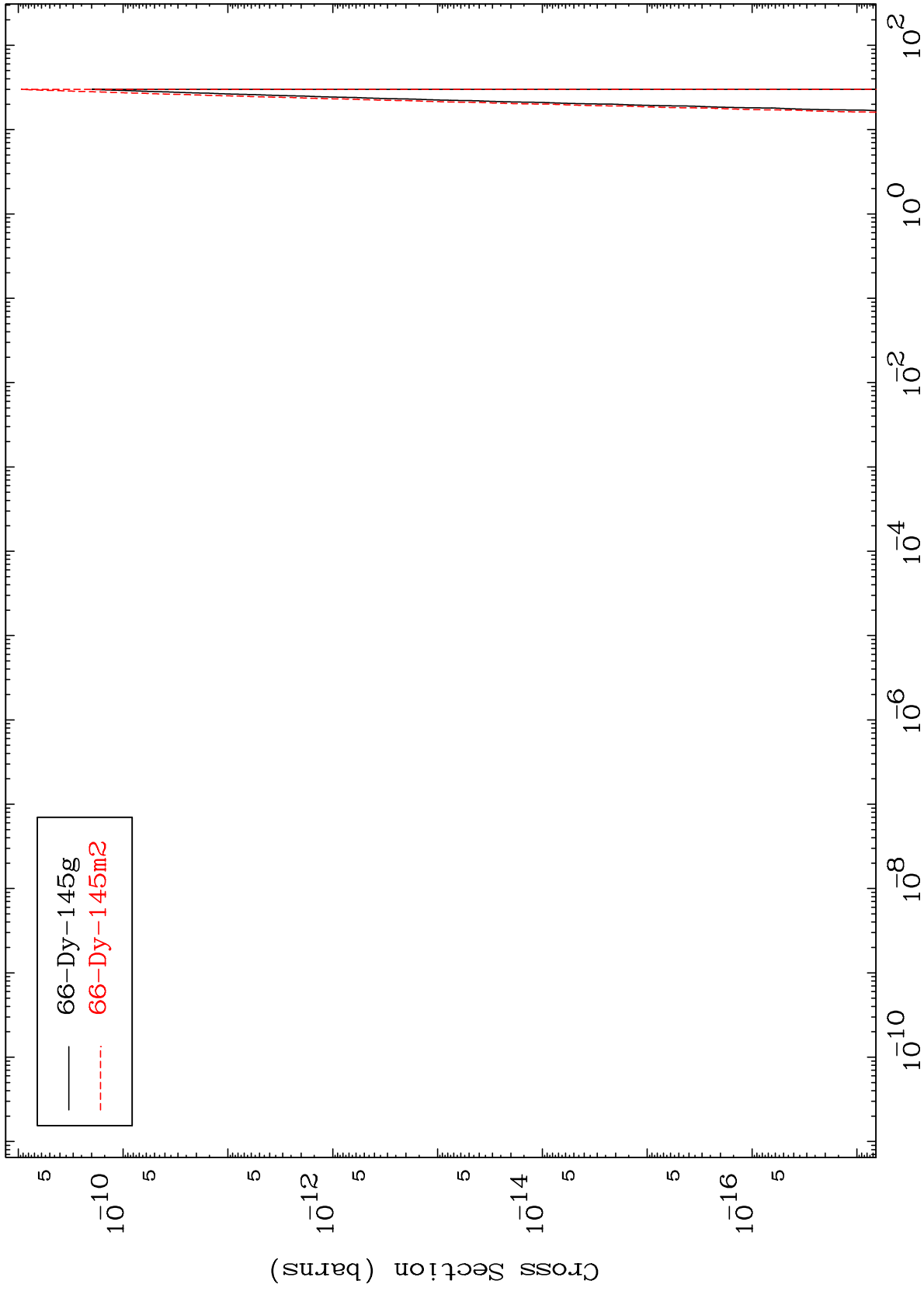
71-Lu-154m

MAT 7063

(n,d) 2α

$^{71}\text{Lu-154m}$

Radionuclide Production Cross Section



32

Incident Energy (MeV)

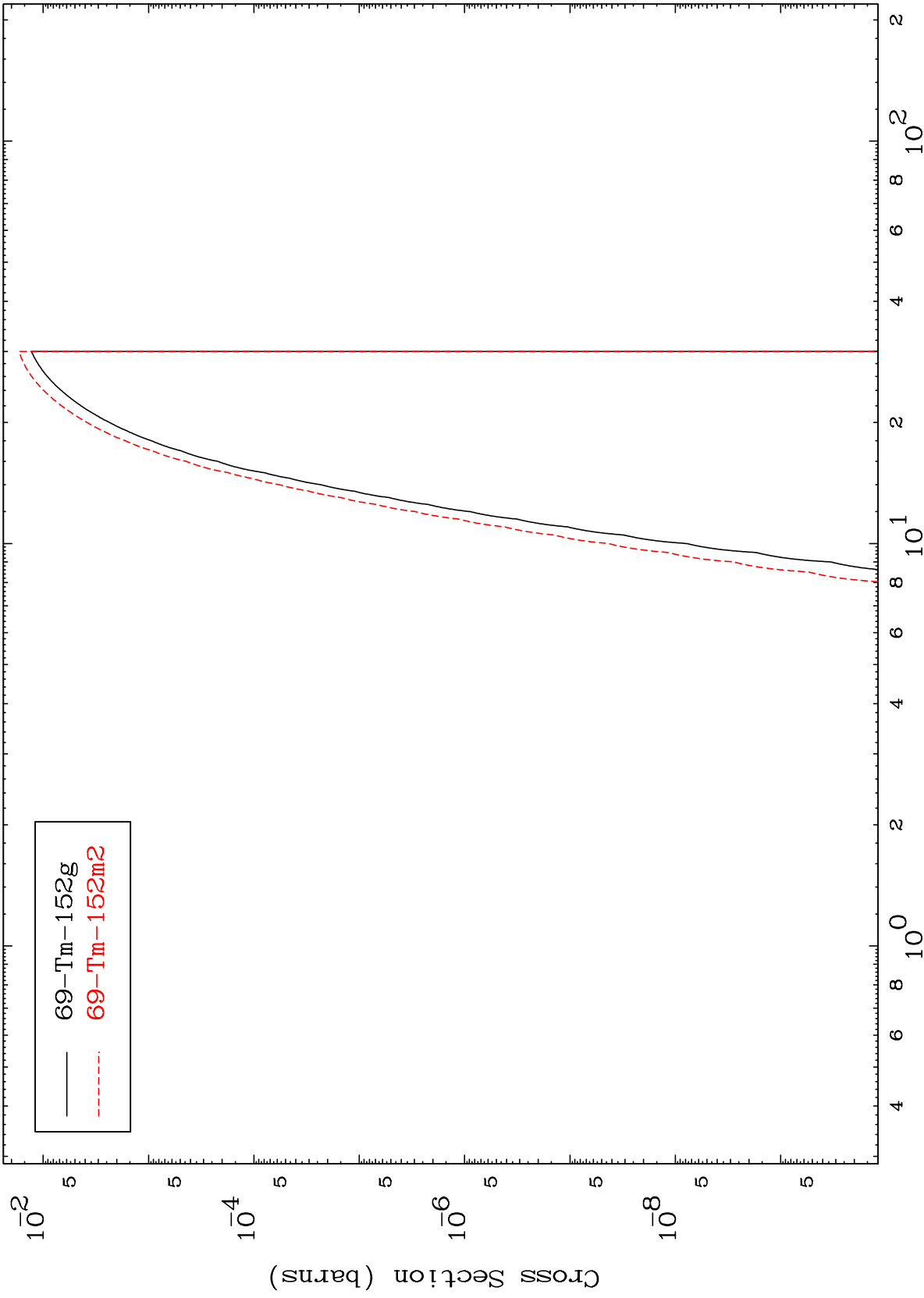
$^{71}\text{Lu-154m}$

MAT 7063

(n,p) d

71-Lu-154m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

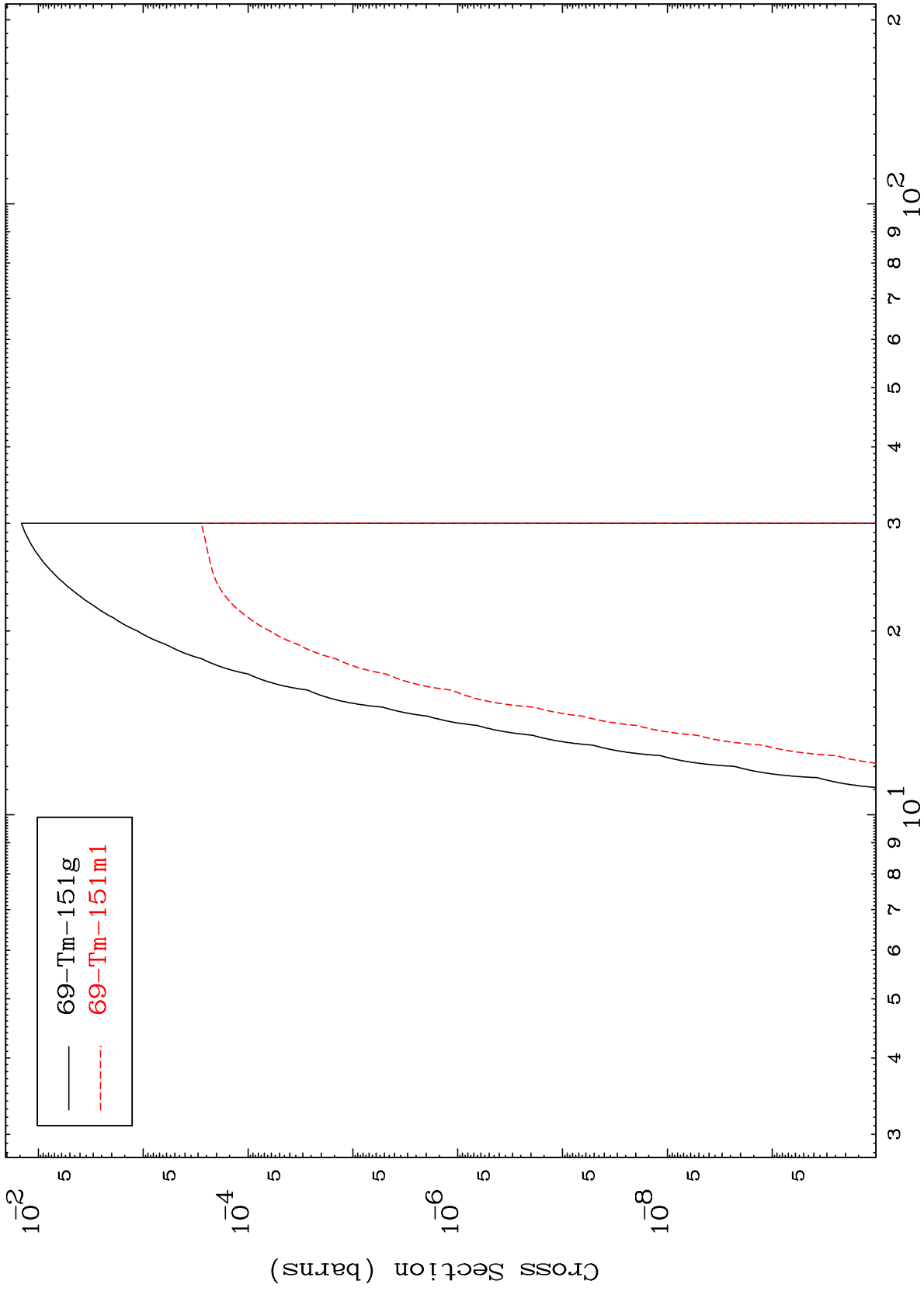
71-Lu-154m

MAT 7063

(n,p) t

71-Lu-154m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

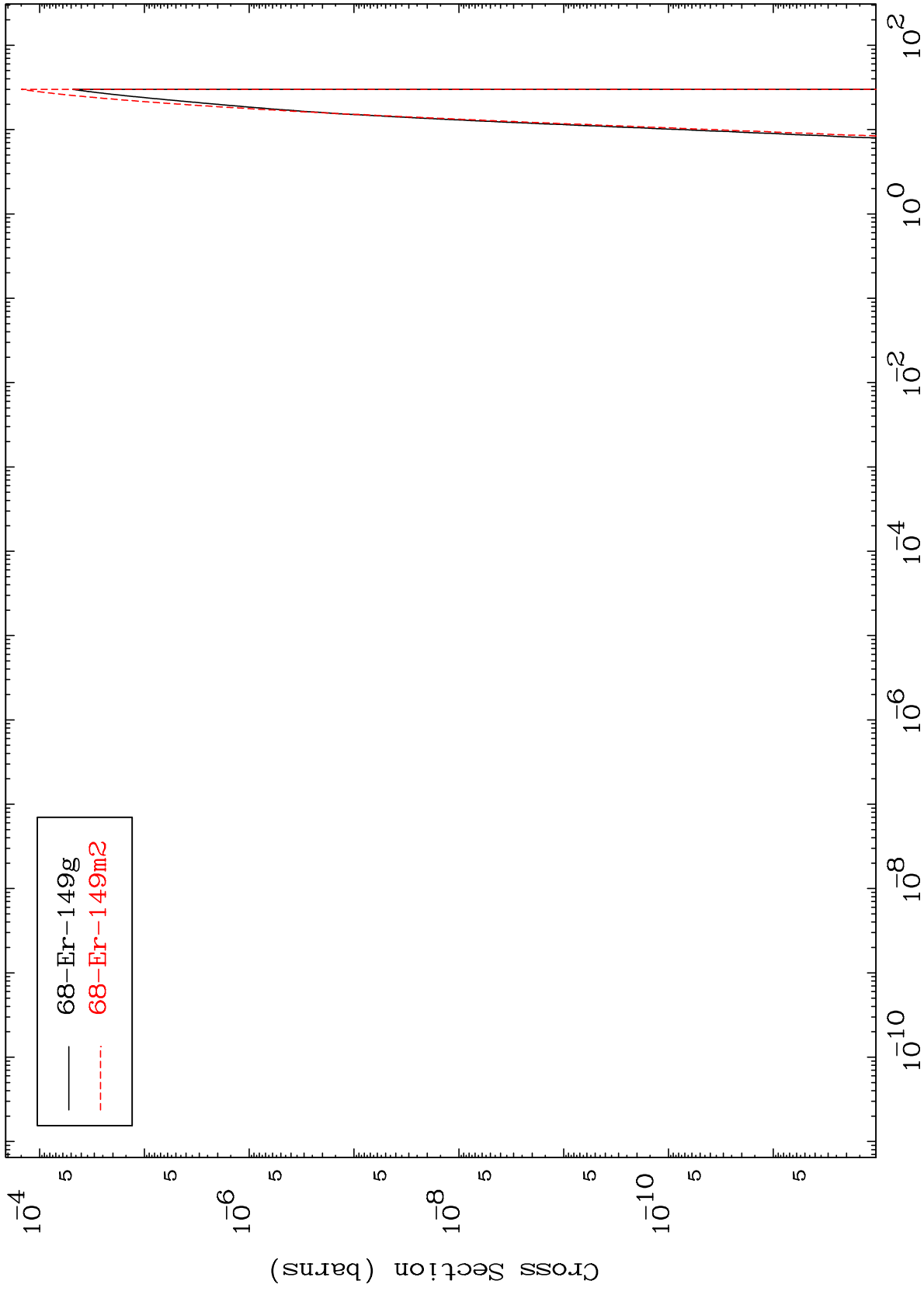
71-Lu-154m

MAT 7063

(n,d) α

71-Lu-154m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

71-Lu-154m