

Program EVALPLOT
(Version 2018-1)

by

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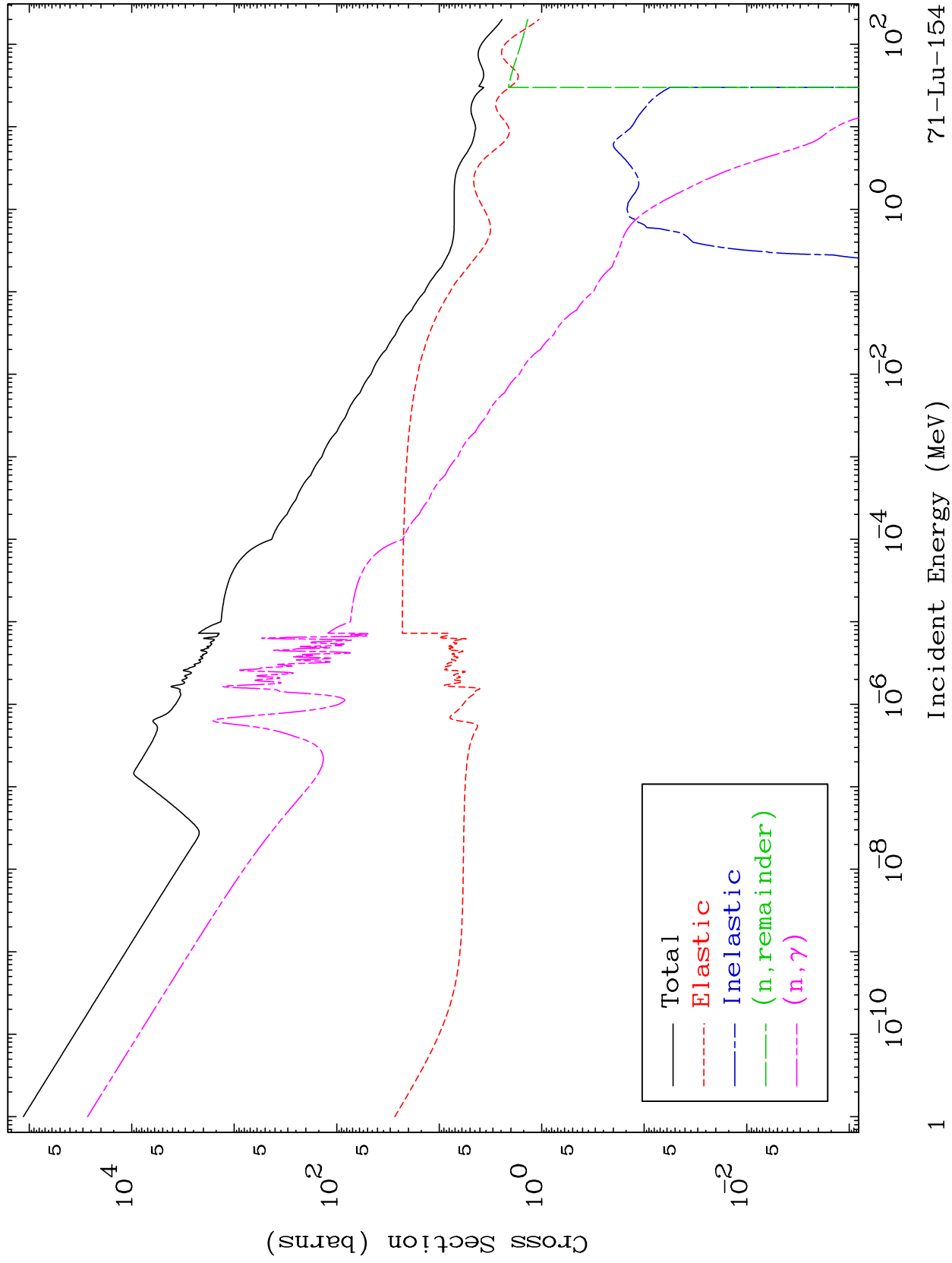
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7063

Major
293 Kelvin Cross Sections

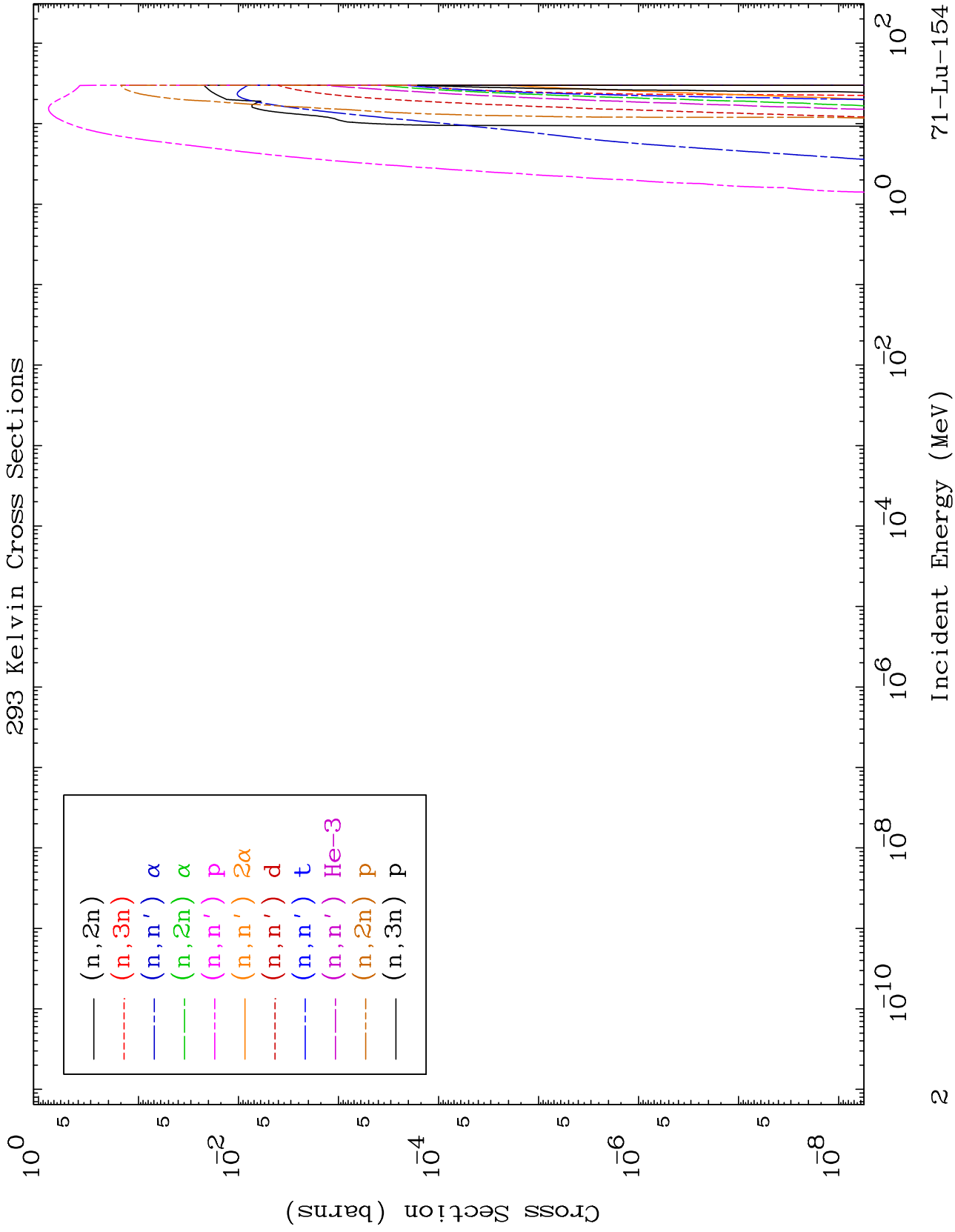
71-Lu-154



MAT 7063

Neutron Production
293 Kelvin Cross Sections

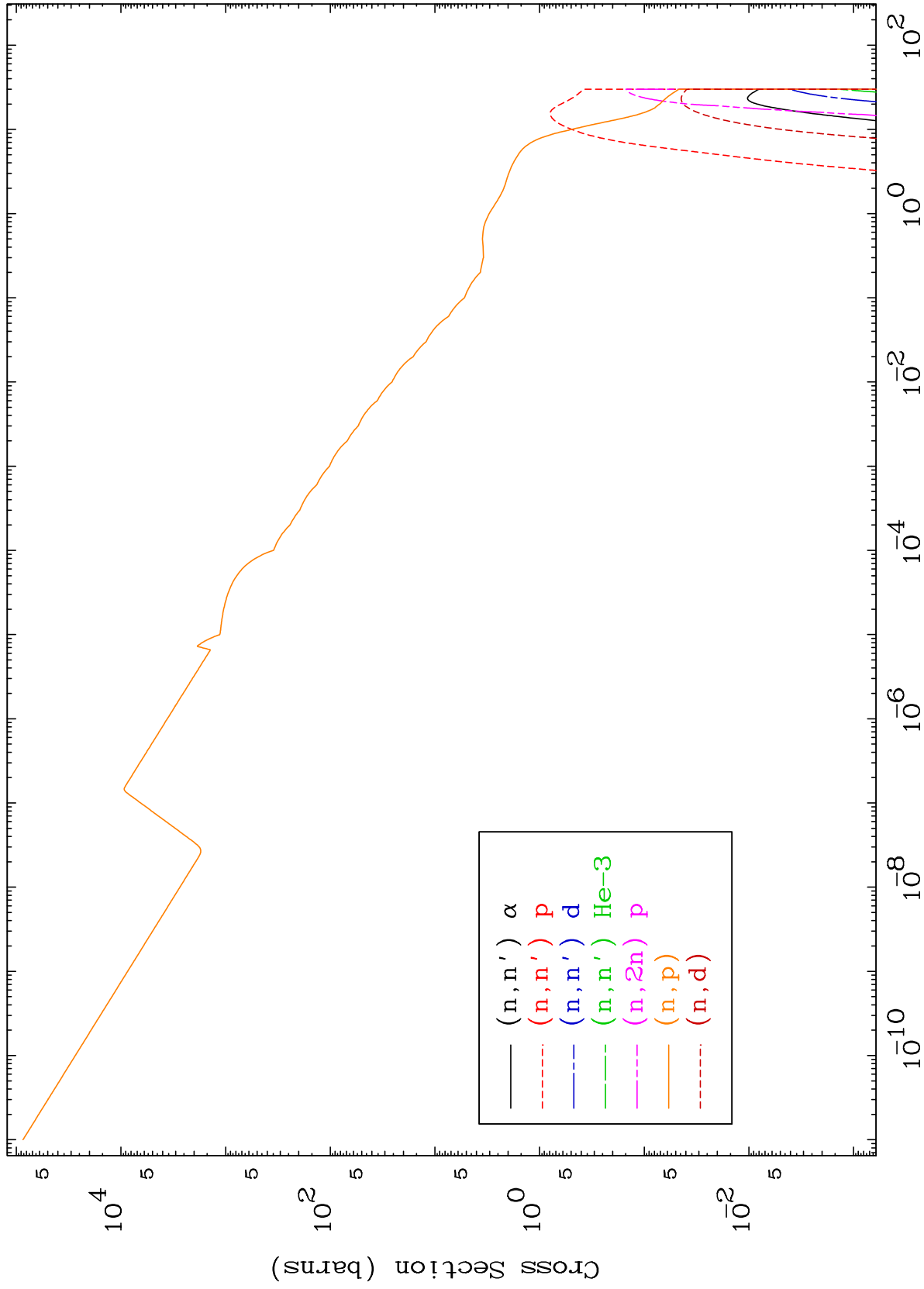
71-Lu-154



MAT 7063

Charged Particle
293 Kelvin Cross Sections

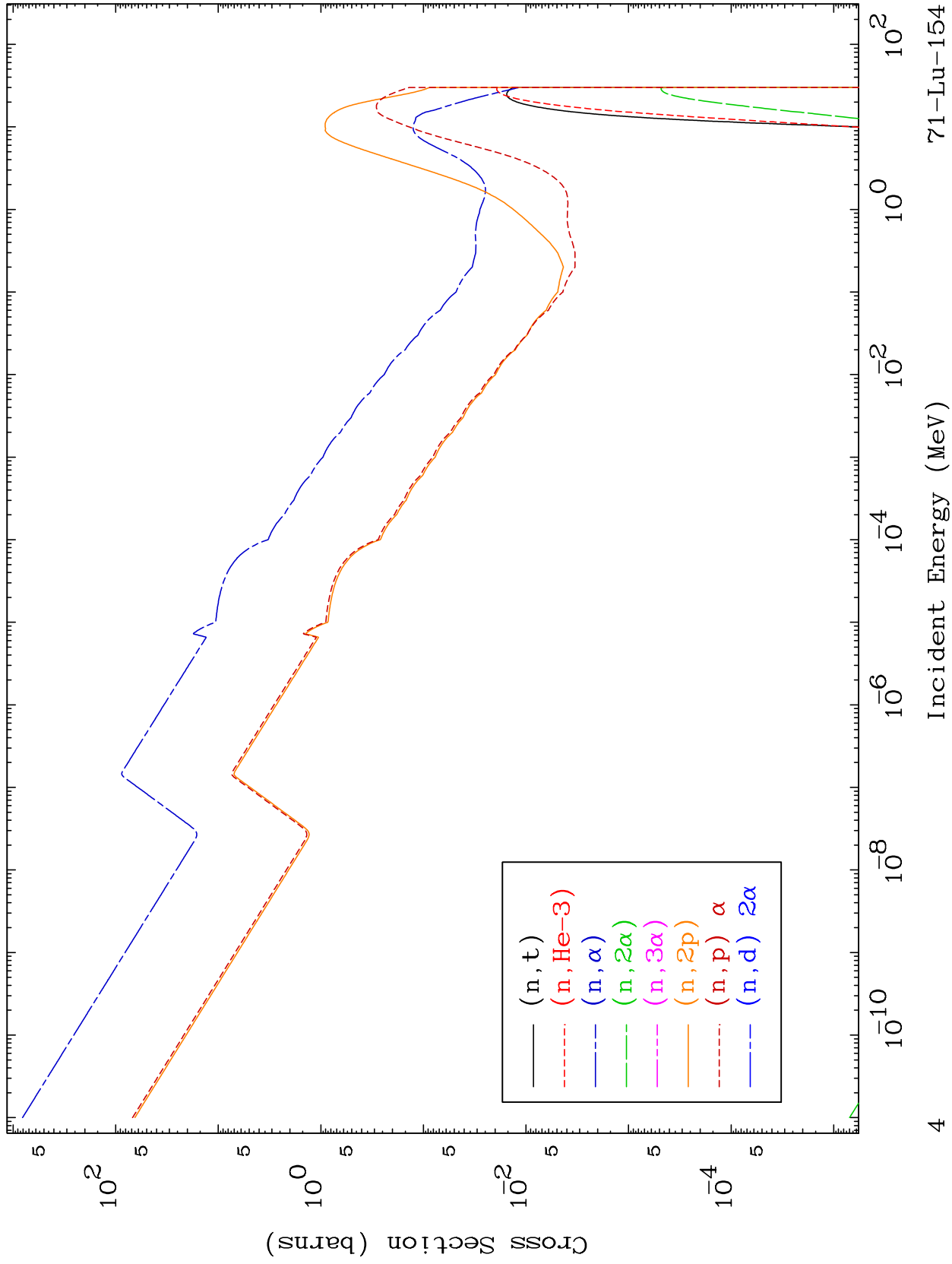
71-Lu-154



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293 Charged Particle
Kelvin Cross Sections

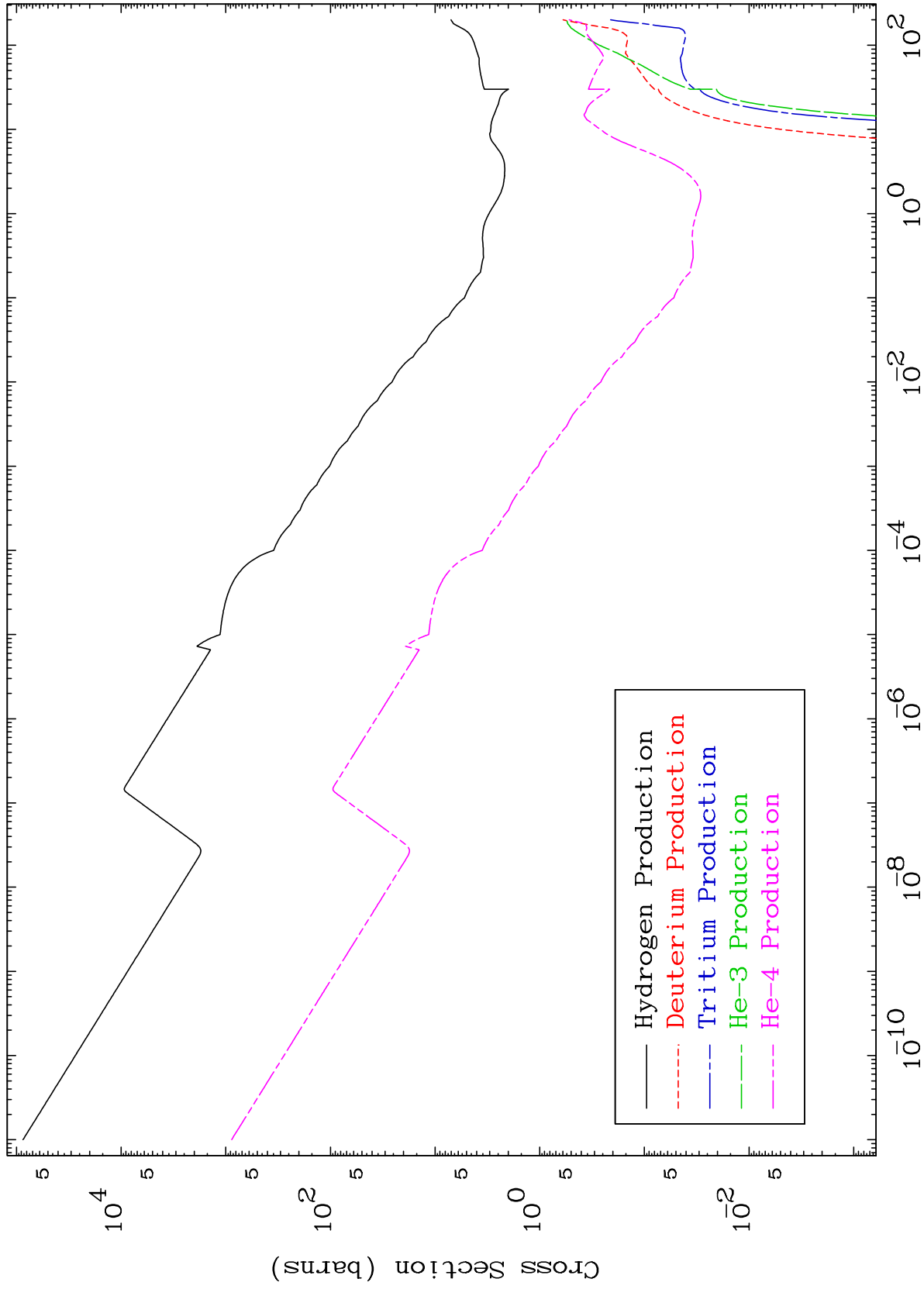
71-Lu-154



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Particle Production
293 Kelvin Cross Sections

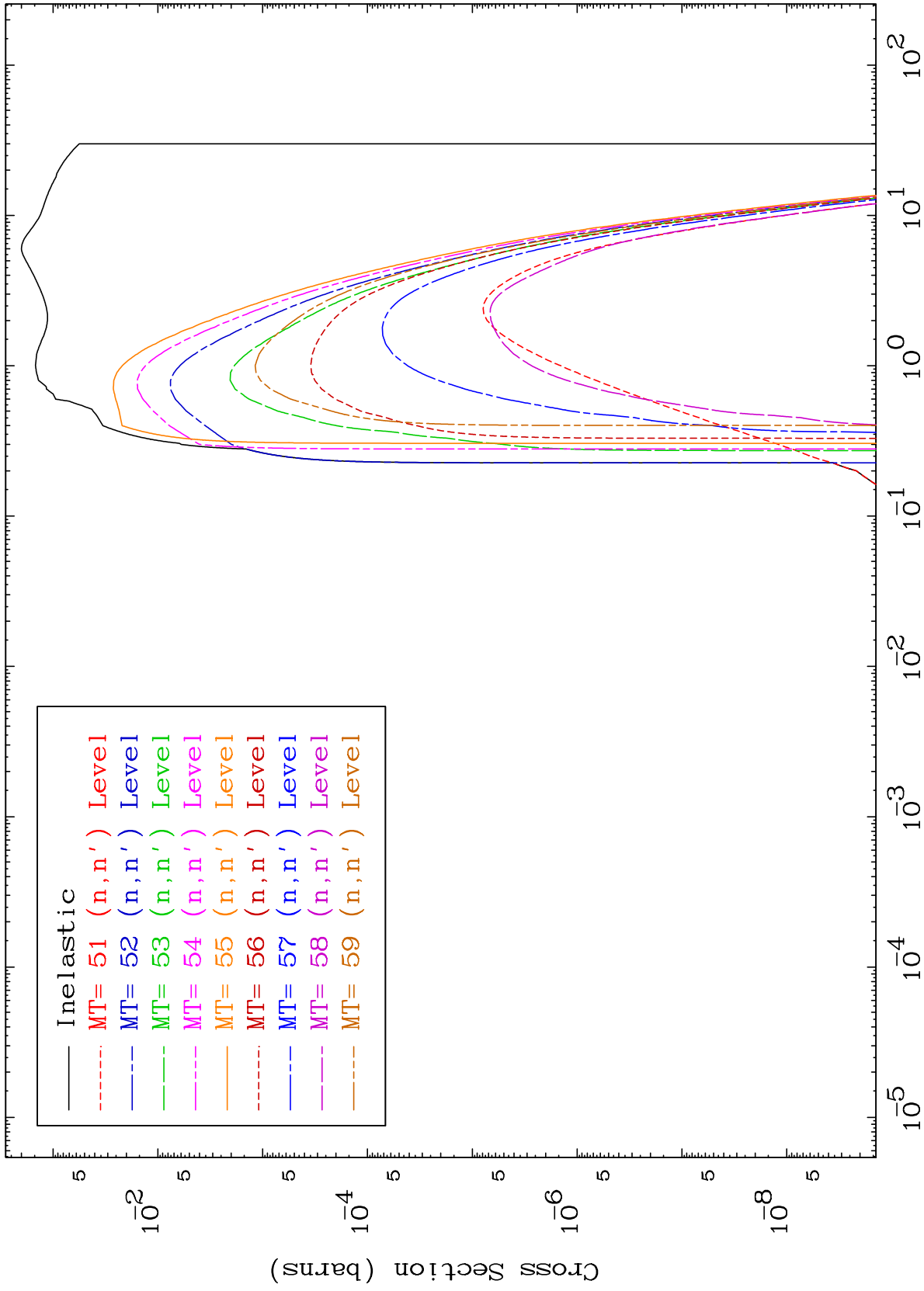
71-Lu-154



MAT 7063

293 Kelvin Cross Sections

71-Lu-154



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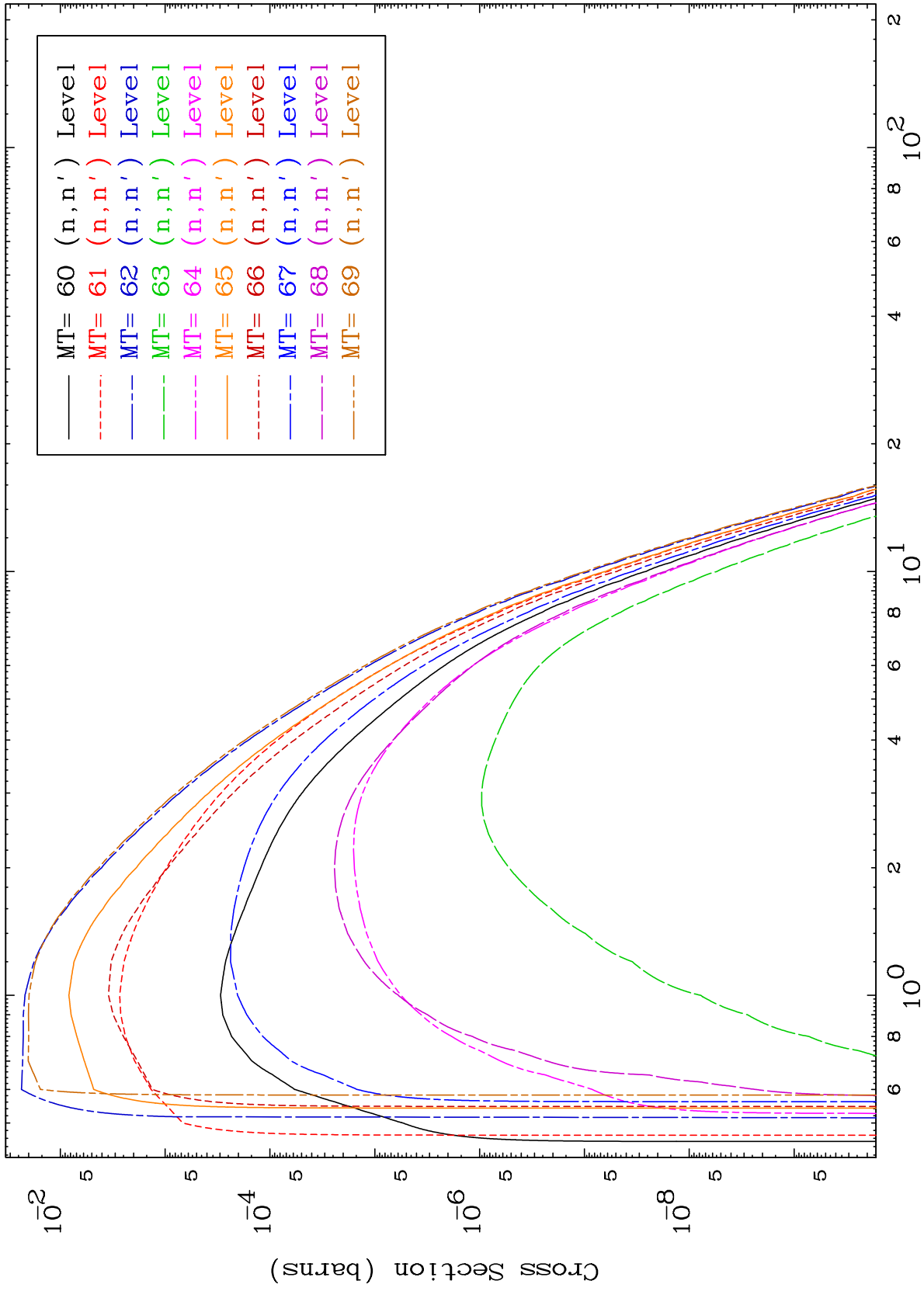
Incident Energy (MeV)

71-Lu-154

MAT 7063

(n,n') Level
293 Kelvin Cross Sections

71-Lu-154



7

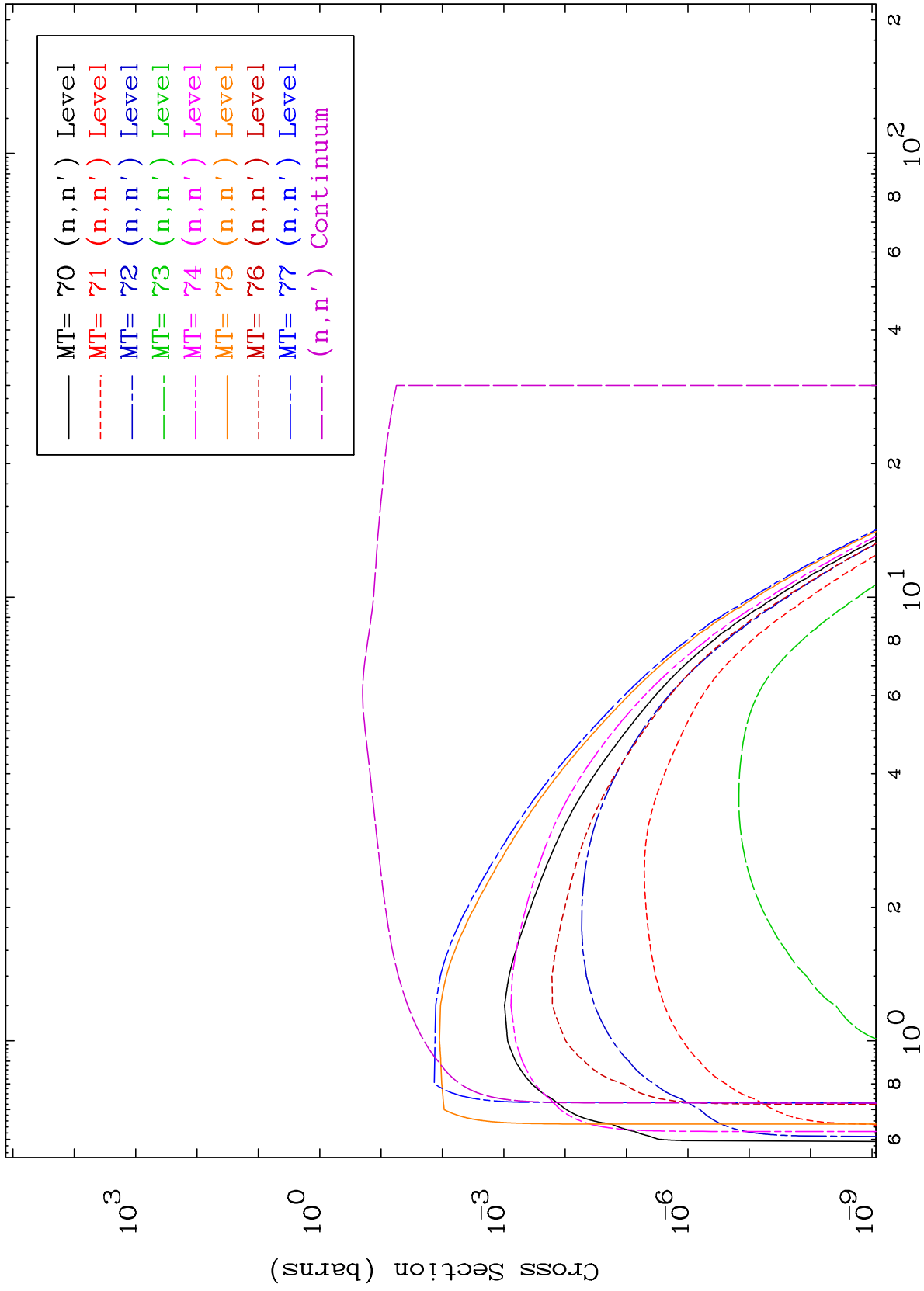
Incident Energy (MeV)

71-Lu-154

MAT 7063

(n,n') Level
293 Kelvin Cross Sections

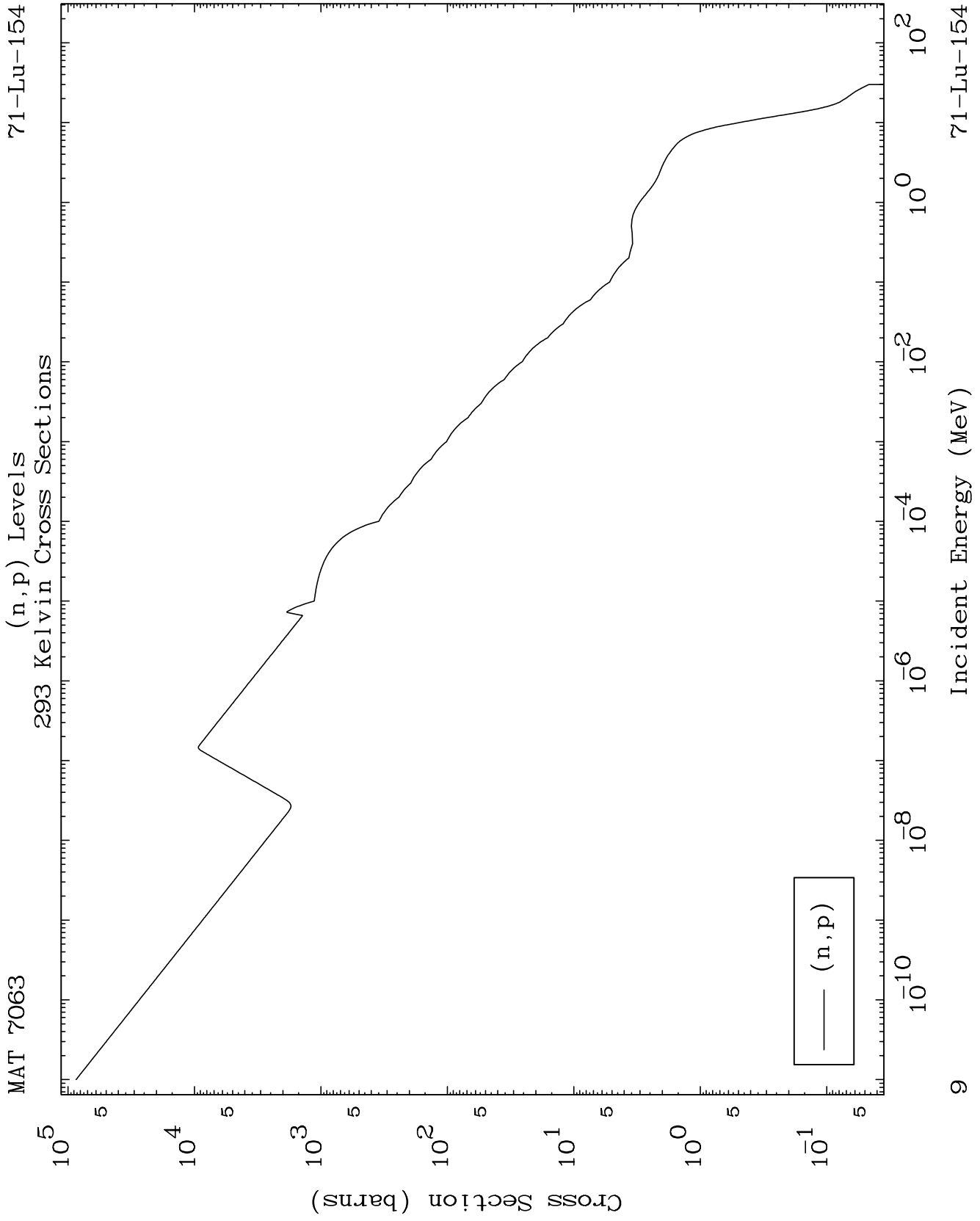
71-Lu-154



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Incident Energy (MeV)

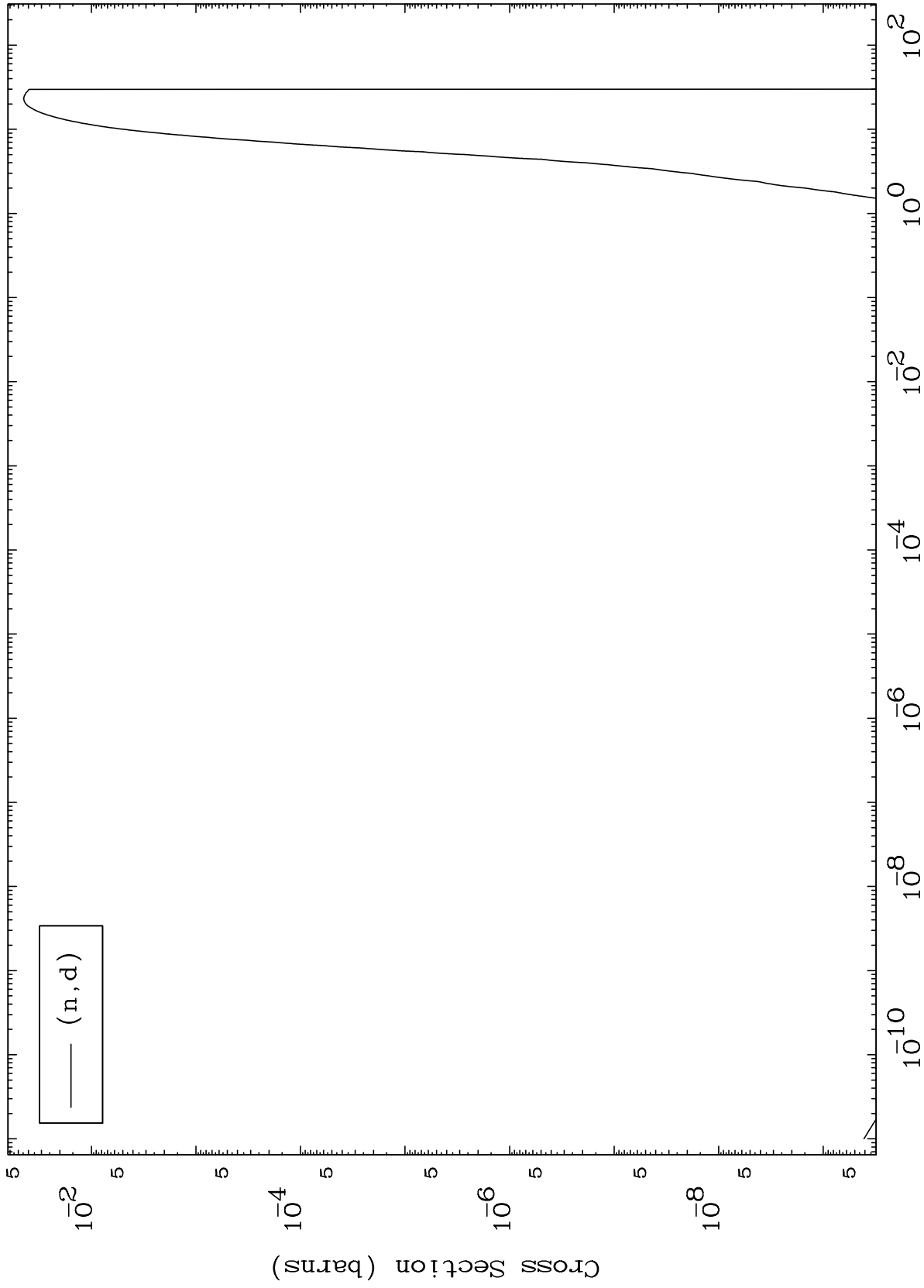
71-Lu-154



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(n,d) Levels
293 Kelvin Cross Sections

71-Lu-154



10

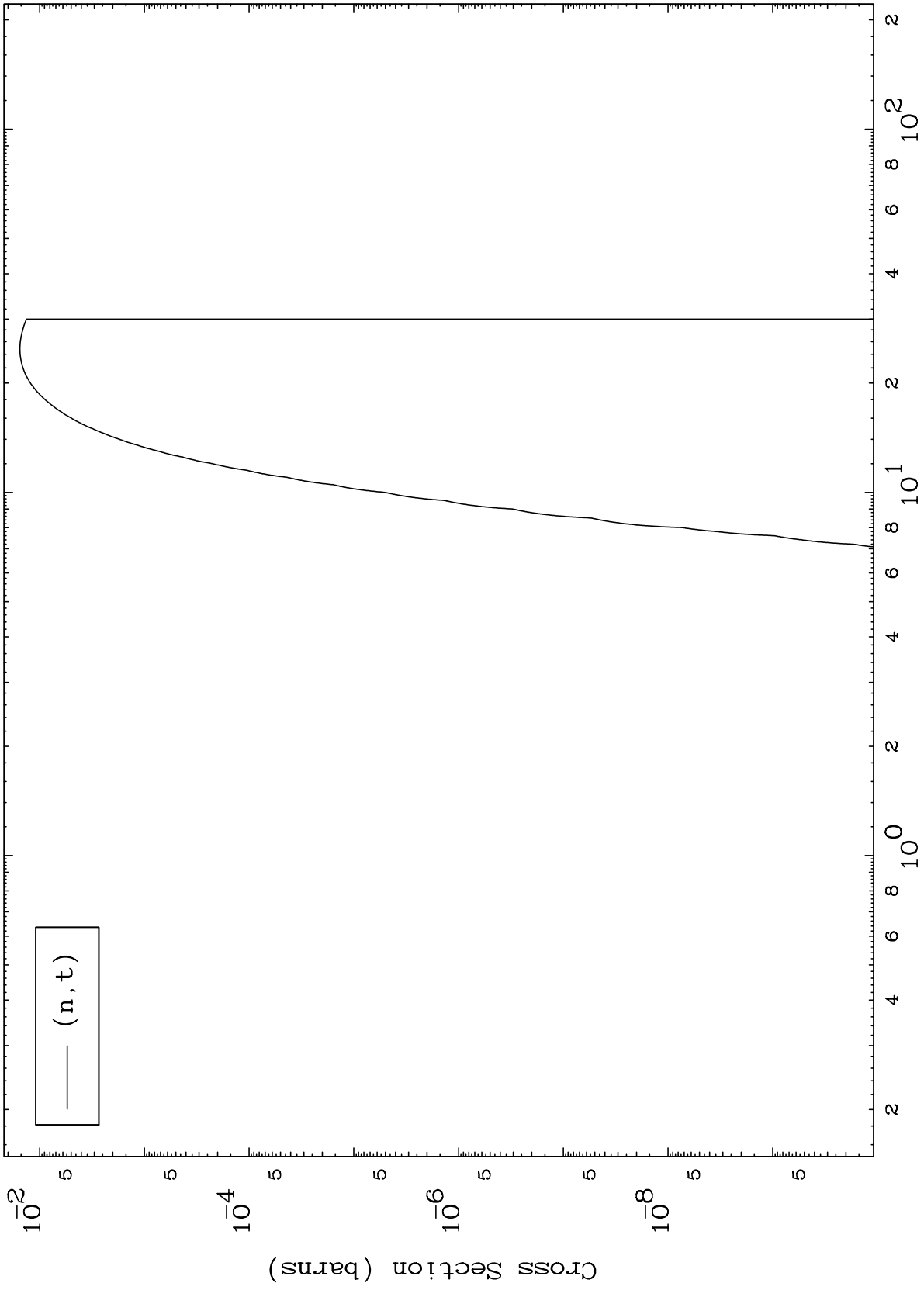
Incident Energy (MeV)

71-Lu-154

MAT 7063

(n,t) Levels
293 Kelvin Cross Sections

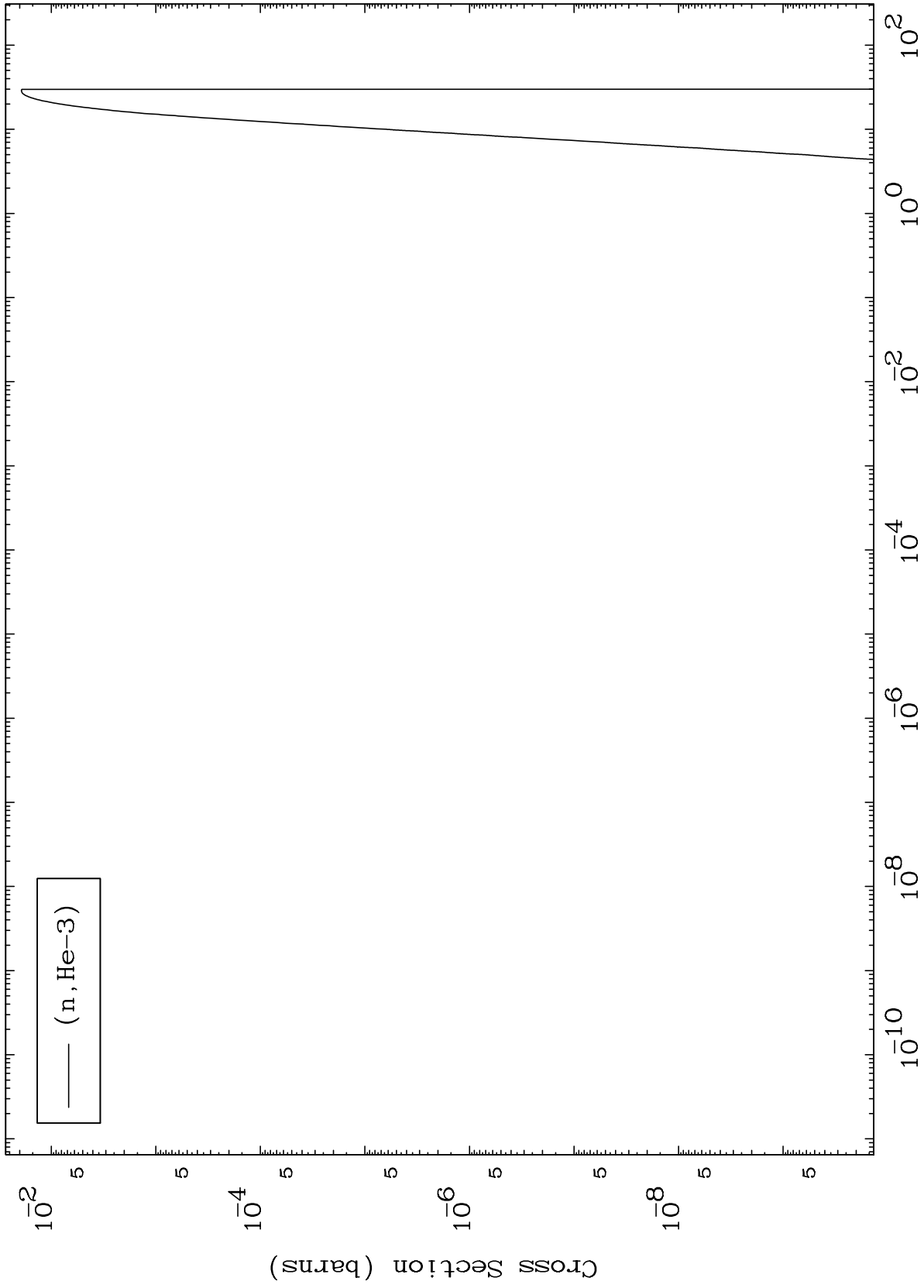
71-Lu-154



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(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-154



12

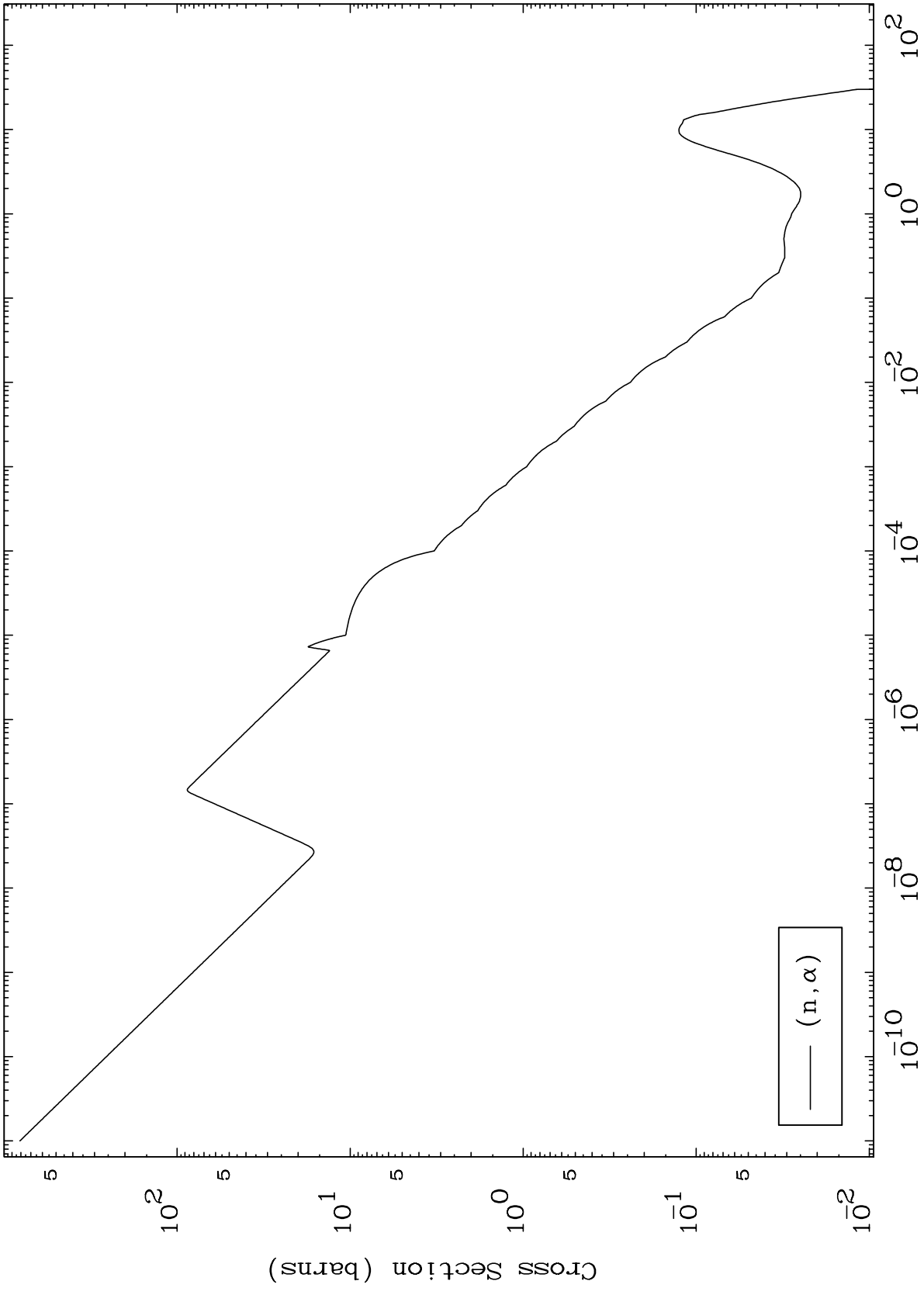
Incident Energy (MeV)

71-Lu-154

MAT 7063

(n,α) Levels
293 Kelvin Cross Sections

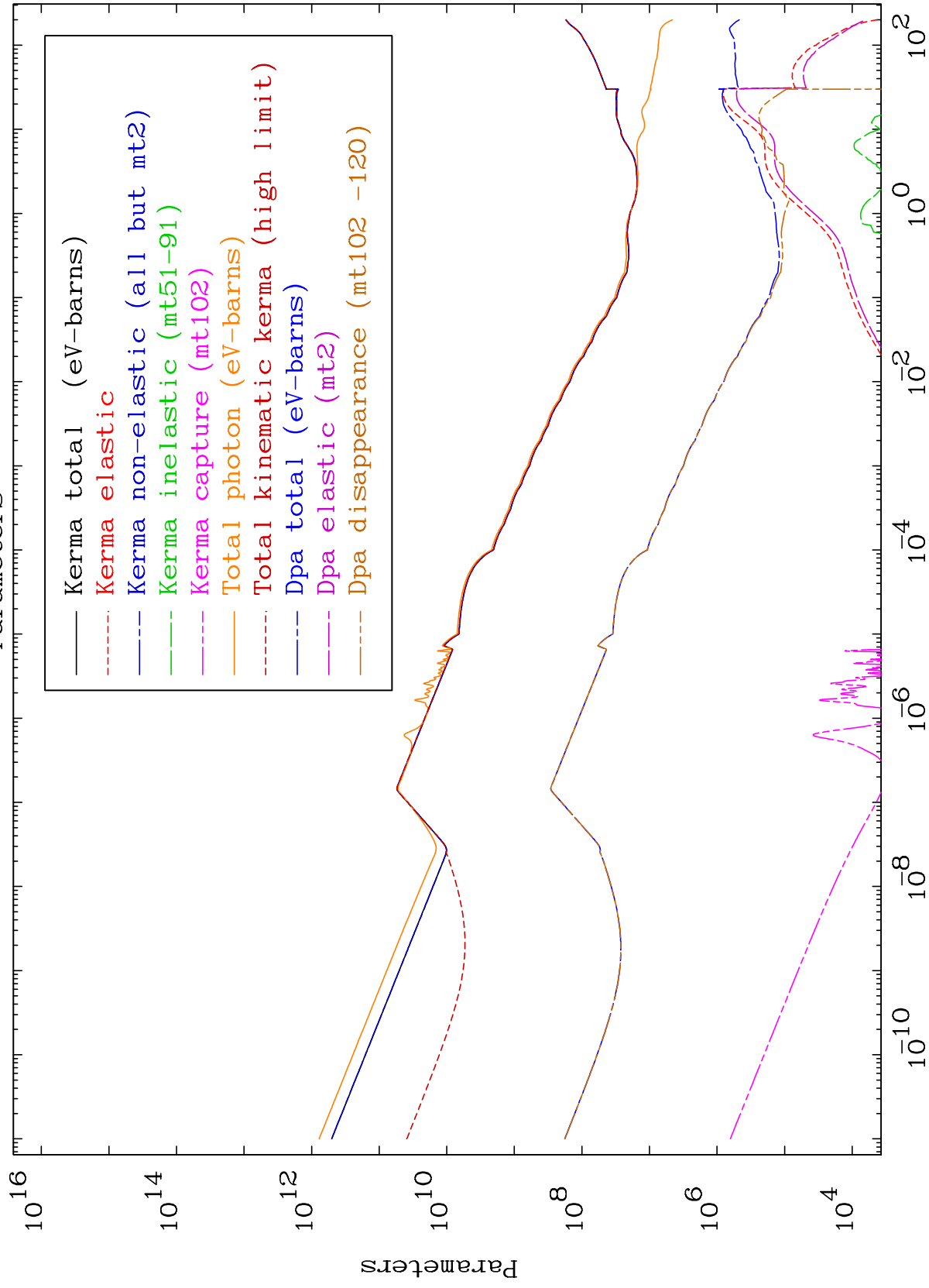
71-Lu-154



13

Incident Energy (MeV)

71-Lu-154



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Elastic Legendre Coefficients

71-Lu-154



71-Lu-154

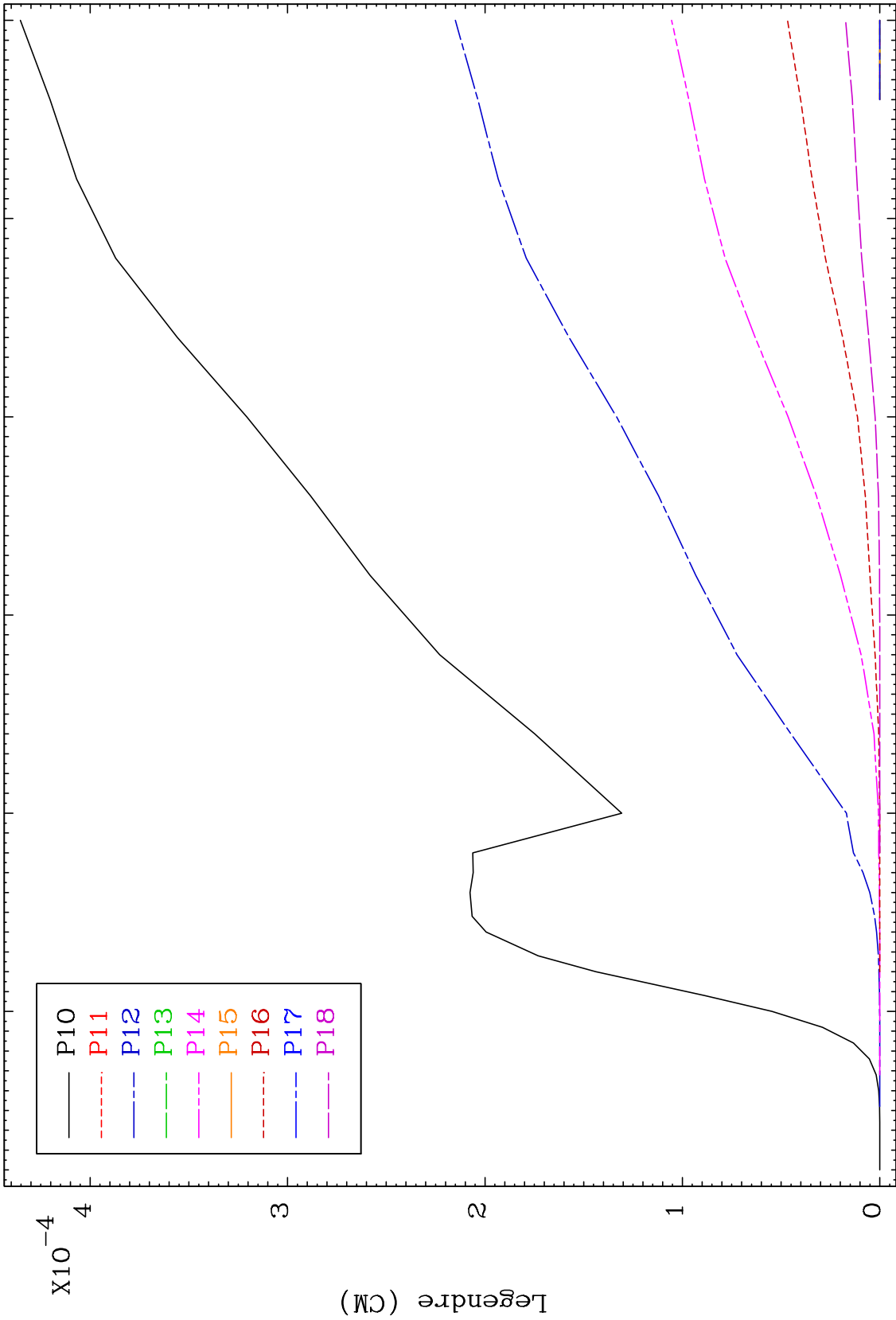
Incident Energy (MeV)

15

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Elastic Legendre Coefficients

71-Lu-154



16

71-Lu-154

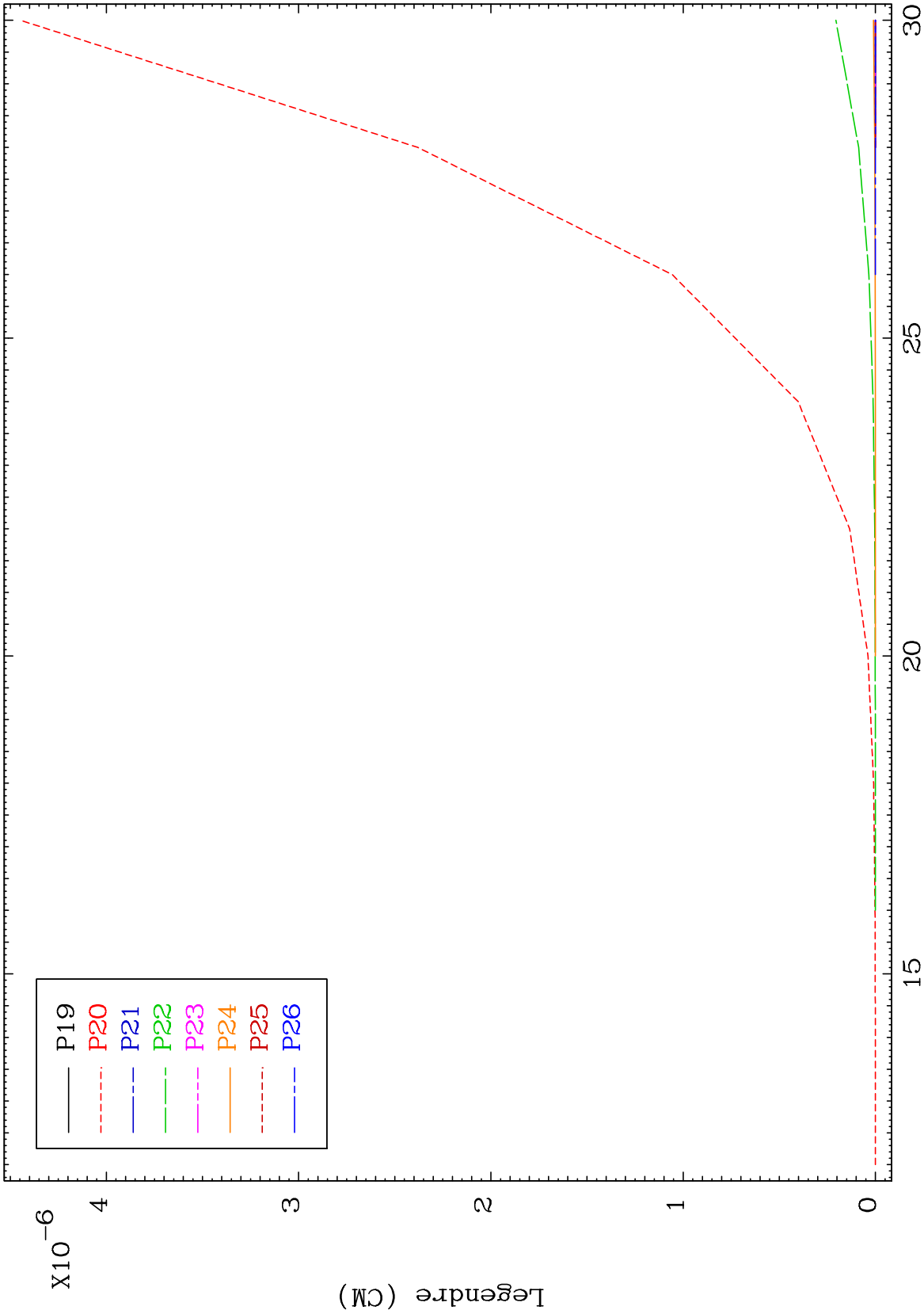
Incident Energy (MeV)

Legendre (CM) X10⁻⁴

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Elastic Legendre Coefficients

71-Lu-154



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Incident Energy (MeV)

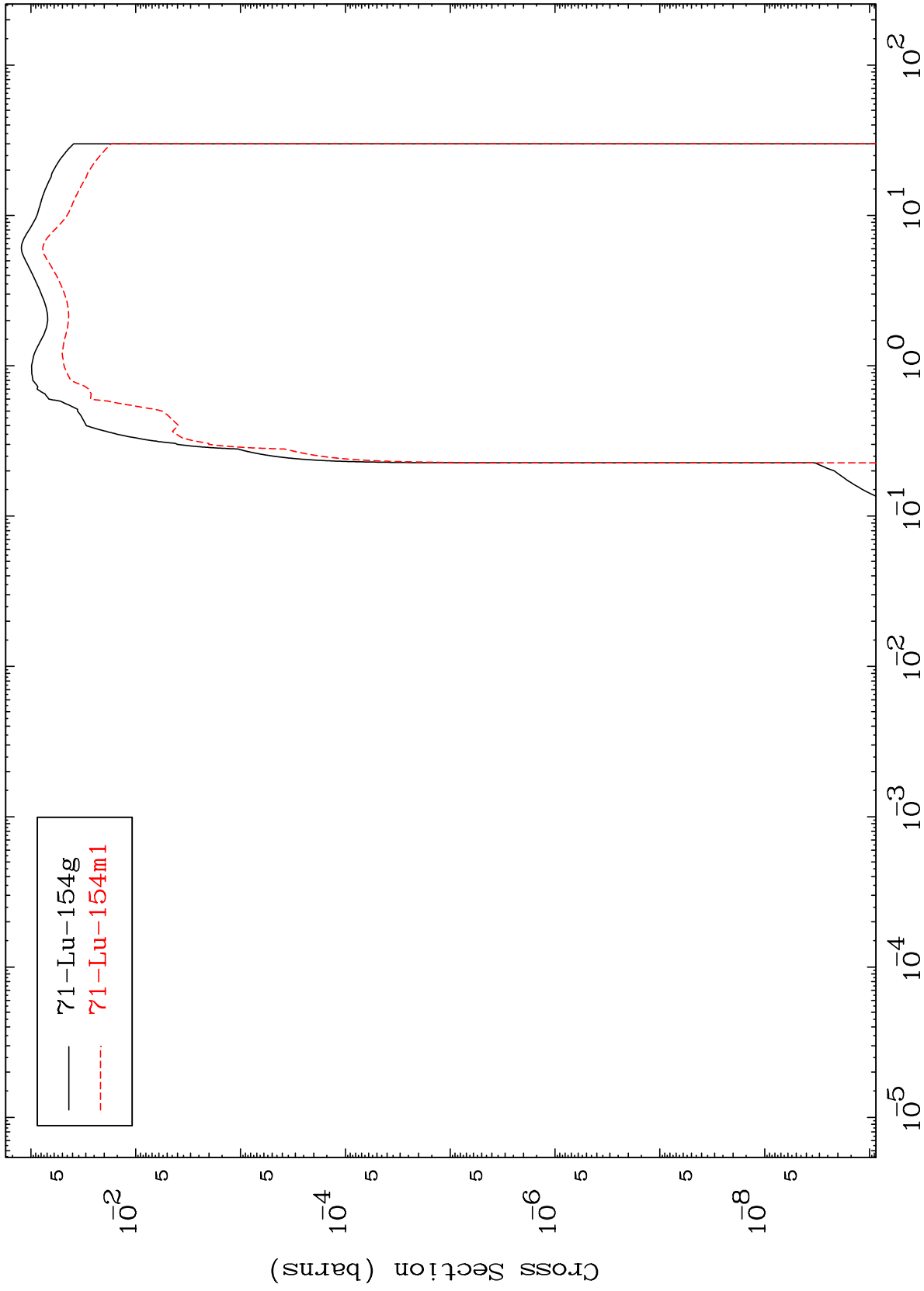
71-Lu-154

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Inelastic

⁷¹Lu-154

Radionuclide Production Cross Section

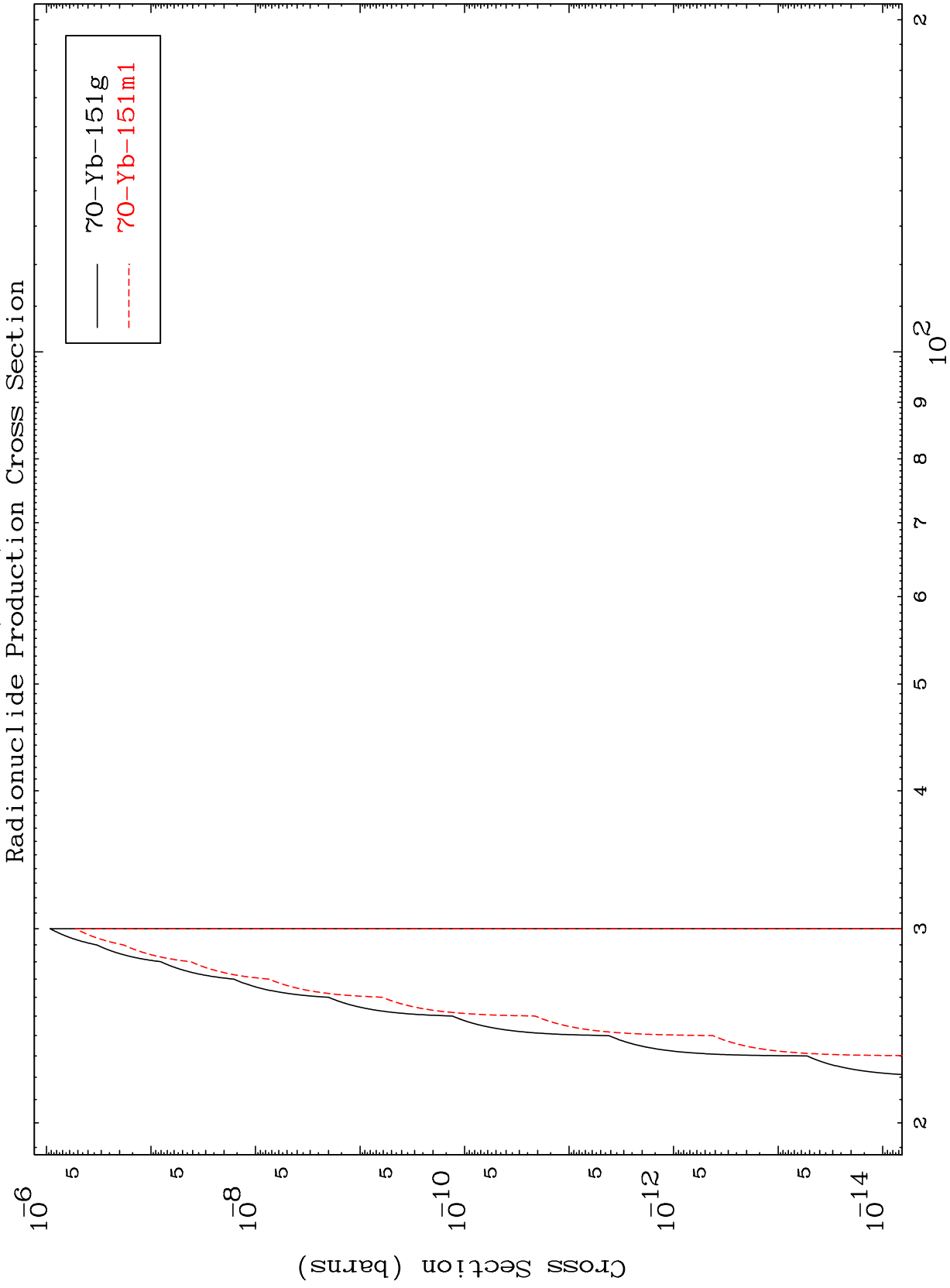


— ⁷¹Lu-154g
- - - ⁷¹Lu-154m1

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(n,2n) d

⁷¹Lu-154



19

Incident Energy (MeV)

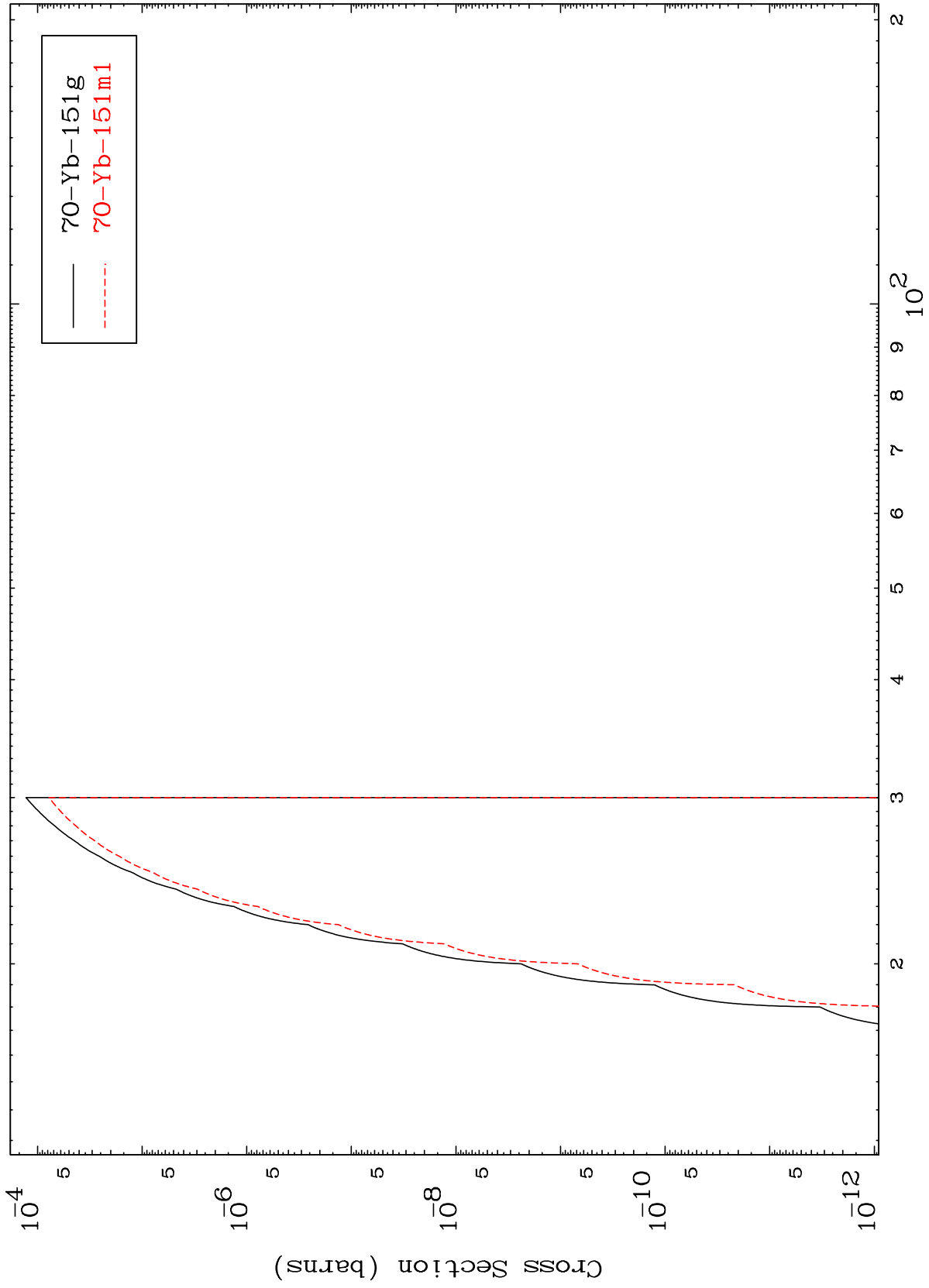
⁷¹Lu-154

MAT 7063

(n,n') t

⁷¹Lu-154

Radionuclide Production Cross Section



20

Incident Energy (MeV)

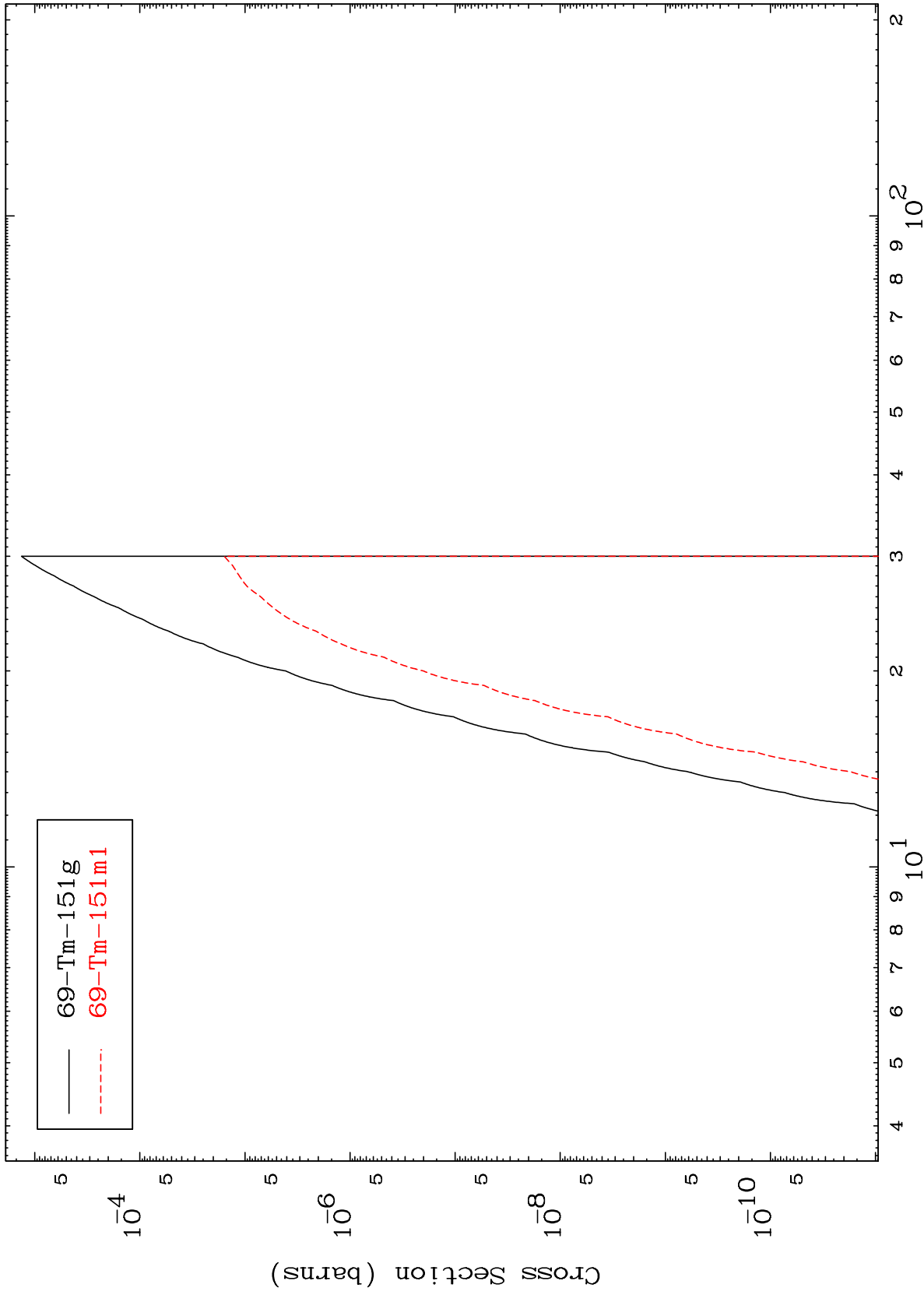
⁷¹Lu-154

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(n, n') He-3

71-Lu-154

Radionuclide Production Cross Section



21

Incident Energy (MeV)

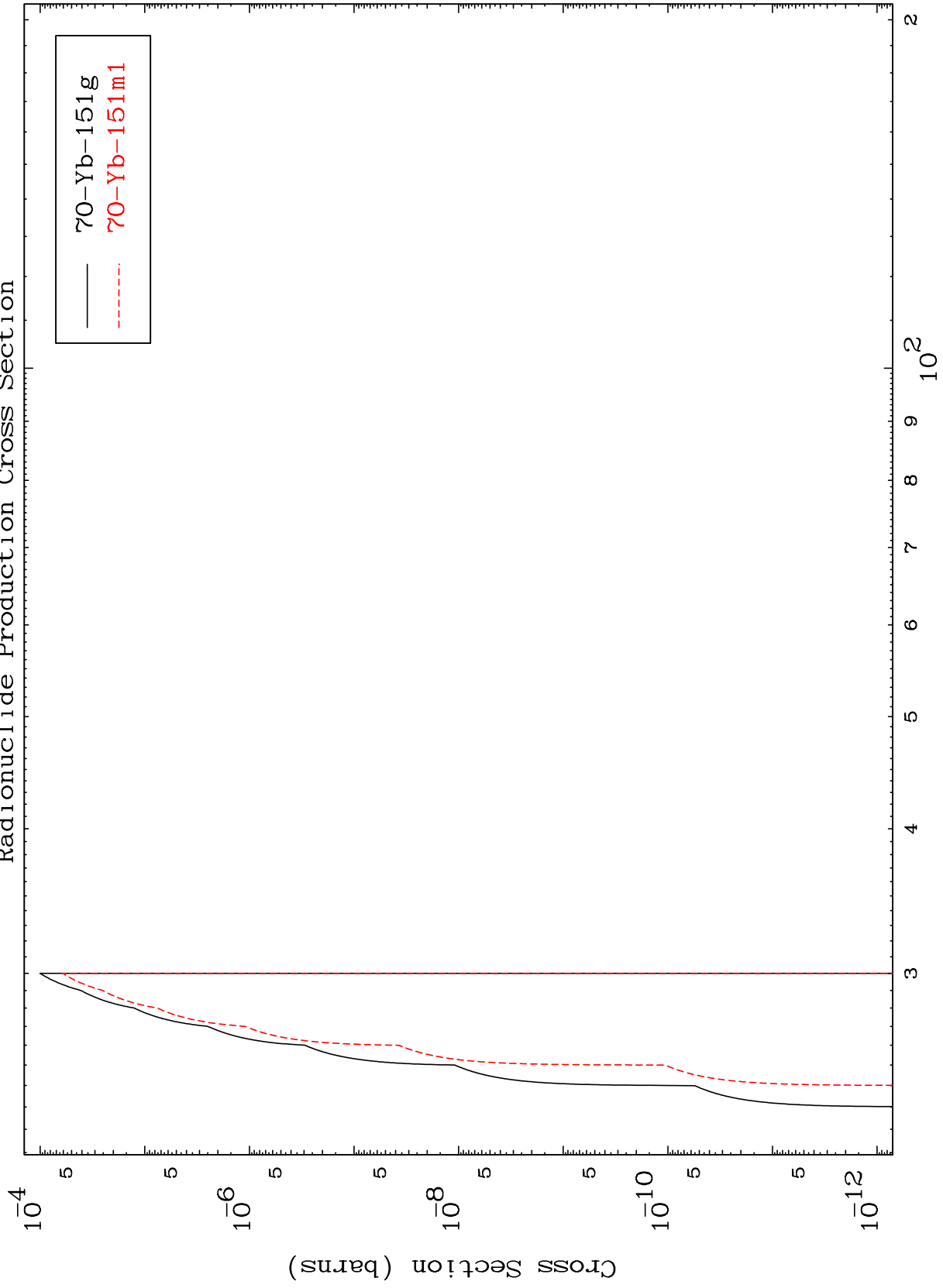
71-Lu-154

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(n,3n) p

⁷¹Lu-154

Radionuclide Production Cross Section



22

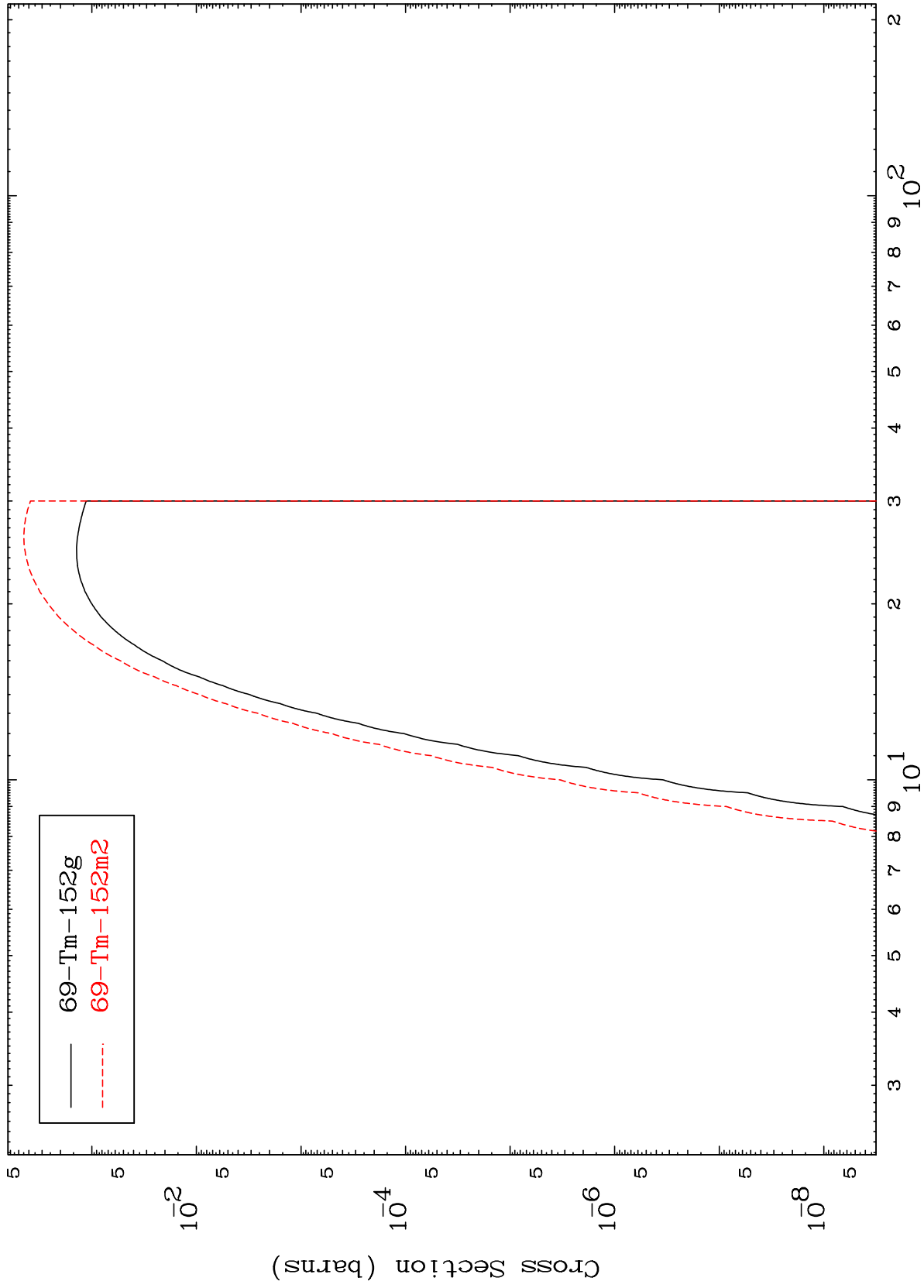
Incident Energy (MeV)

⁷¹Lu-154

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⁷¹Lu-154

(n,2n) p
Radionuclide Production Cross Section



23

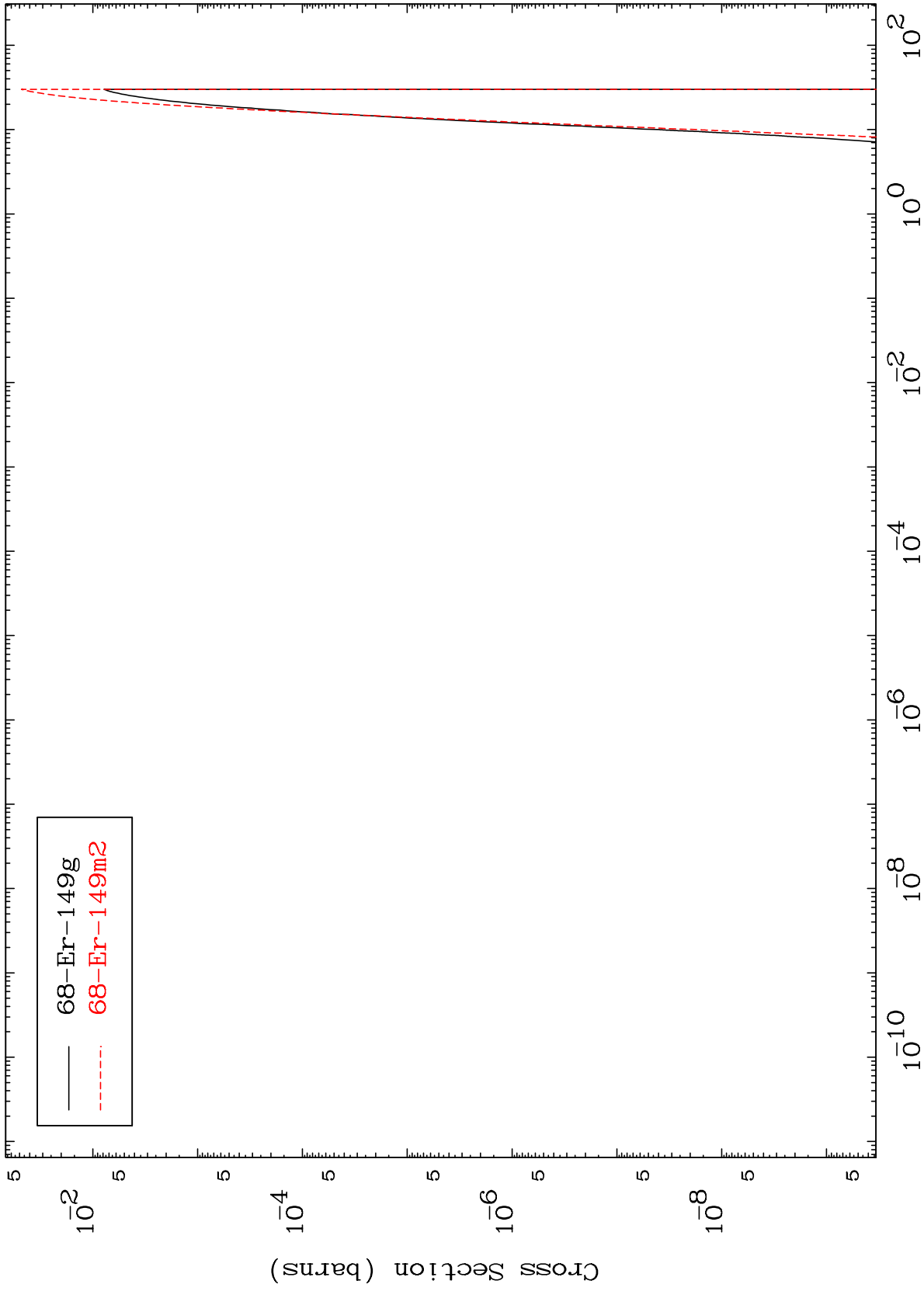
⁷¹Lu-154

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(n,n') p α

⁷¹Lu-154

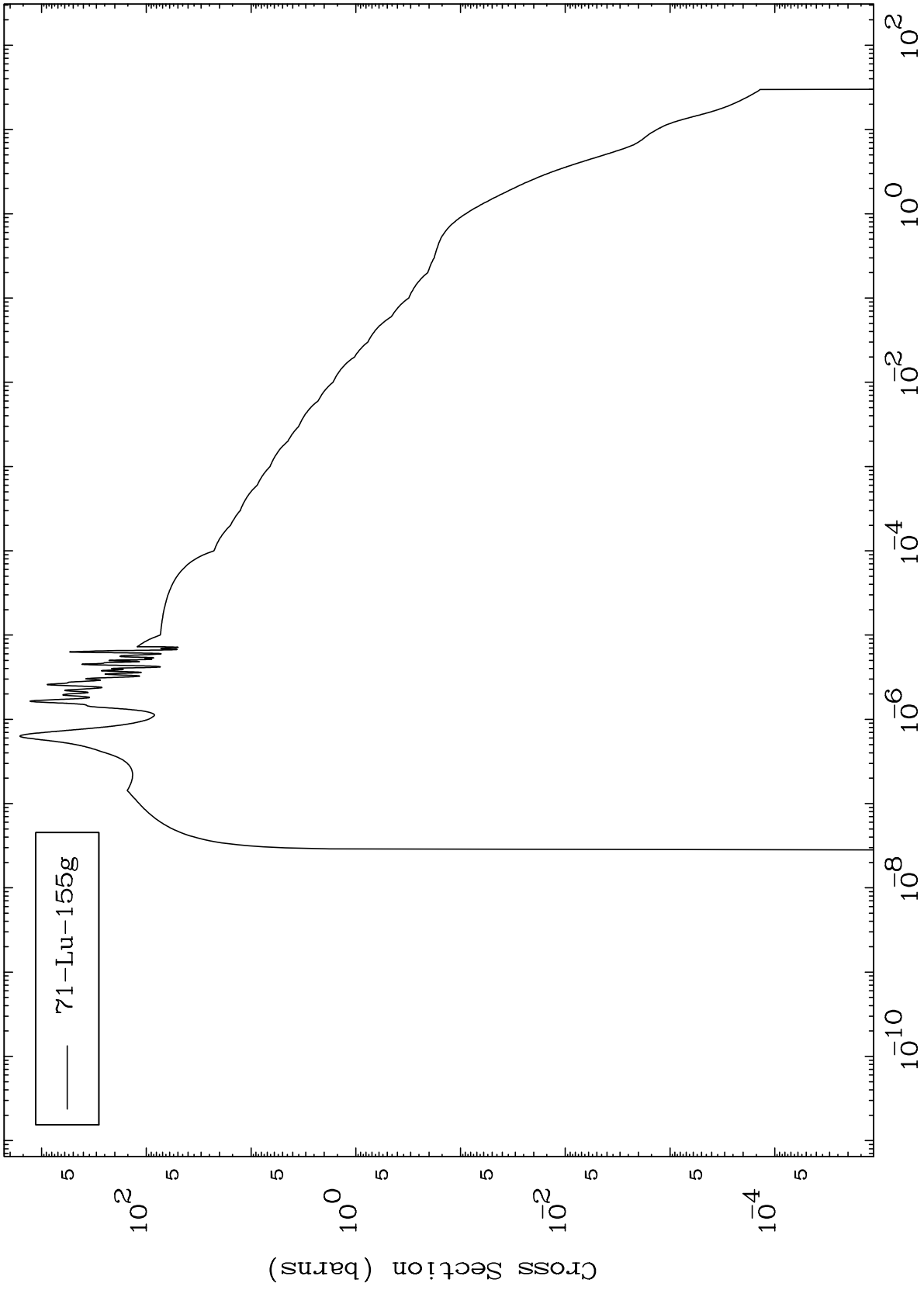
Radionuclide Production Cross Section



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71-Lu-154

(n,γ)
Radionuclide Production Cross Section



25

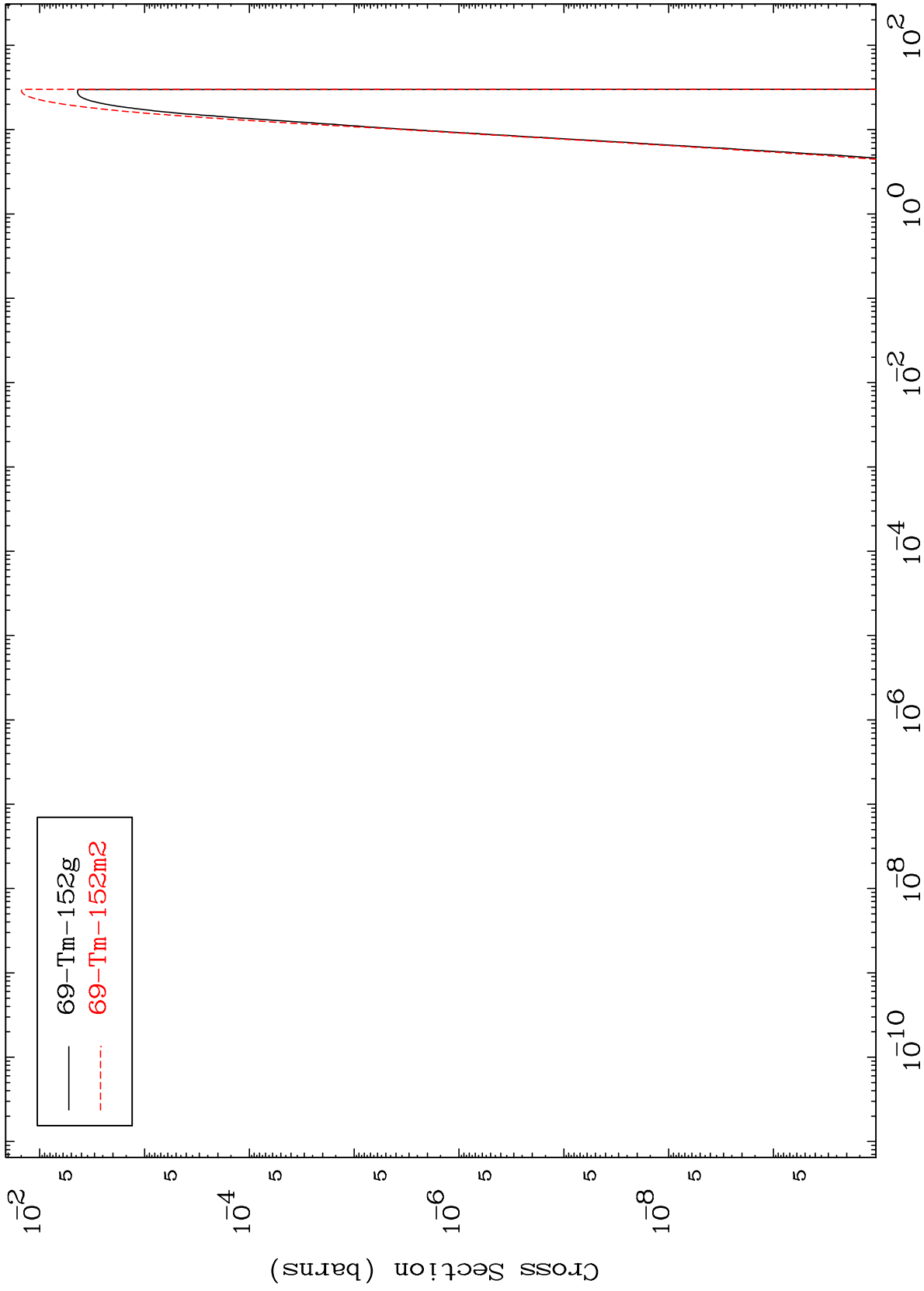
71-Lu-154

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(n, He-3)

71-Lu-154

Radionuclide Production Cross Section



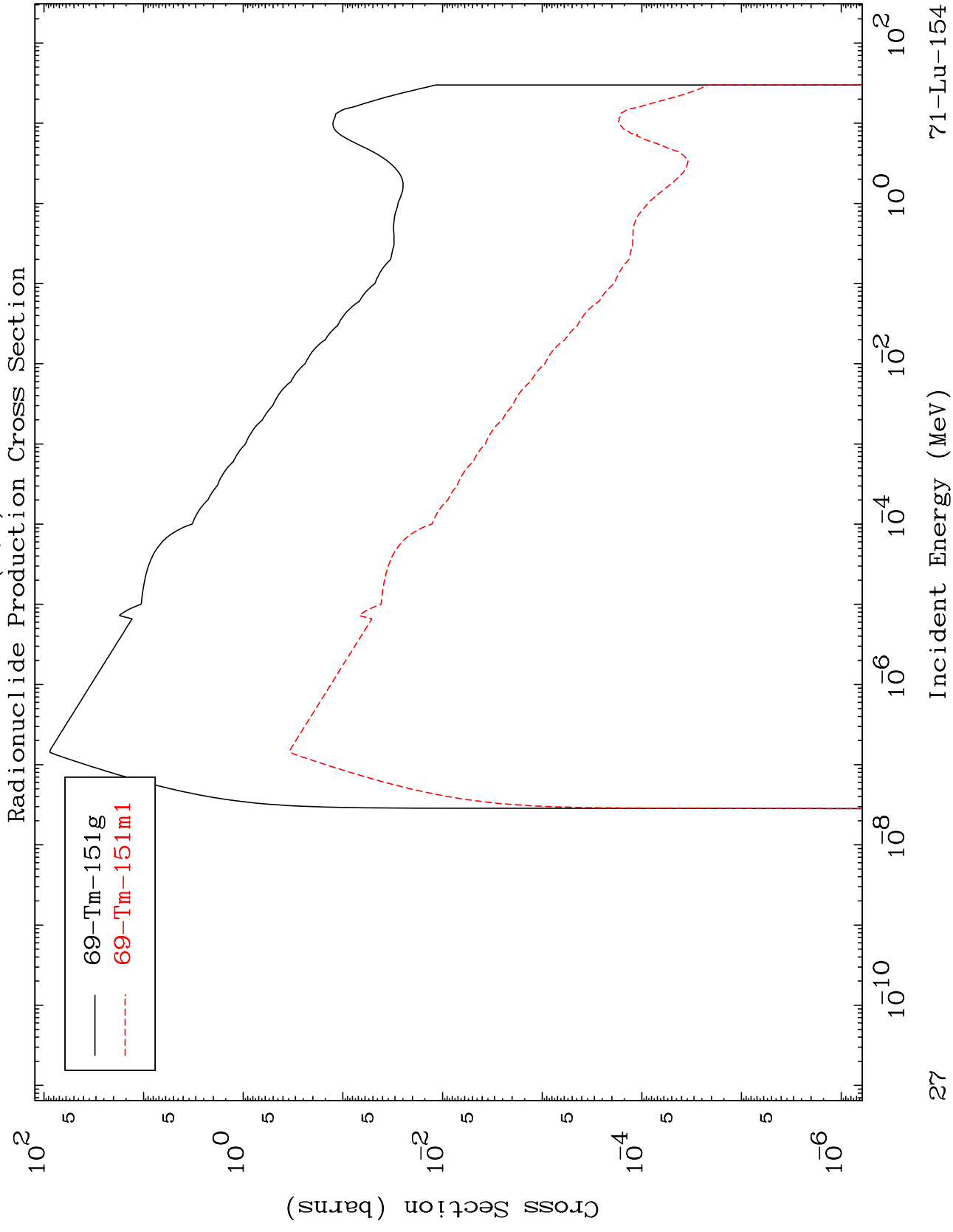
26

Incident Energy (MeV)

71-Lu-154

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71-Lu-154

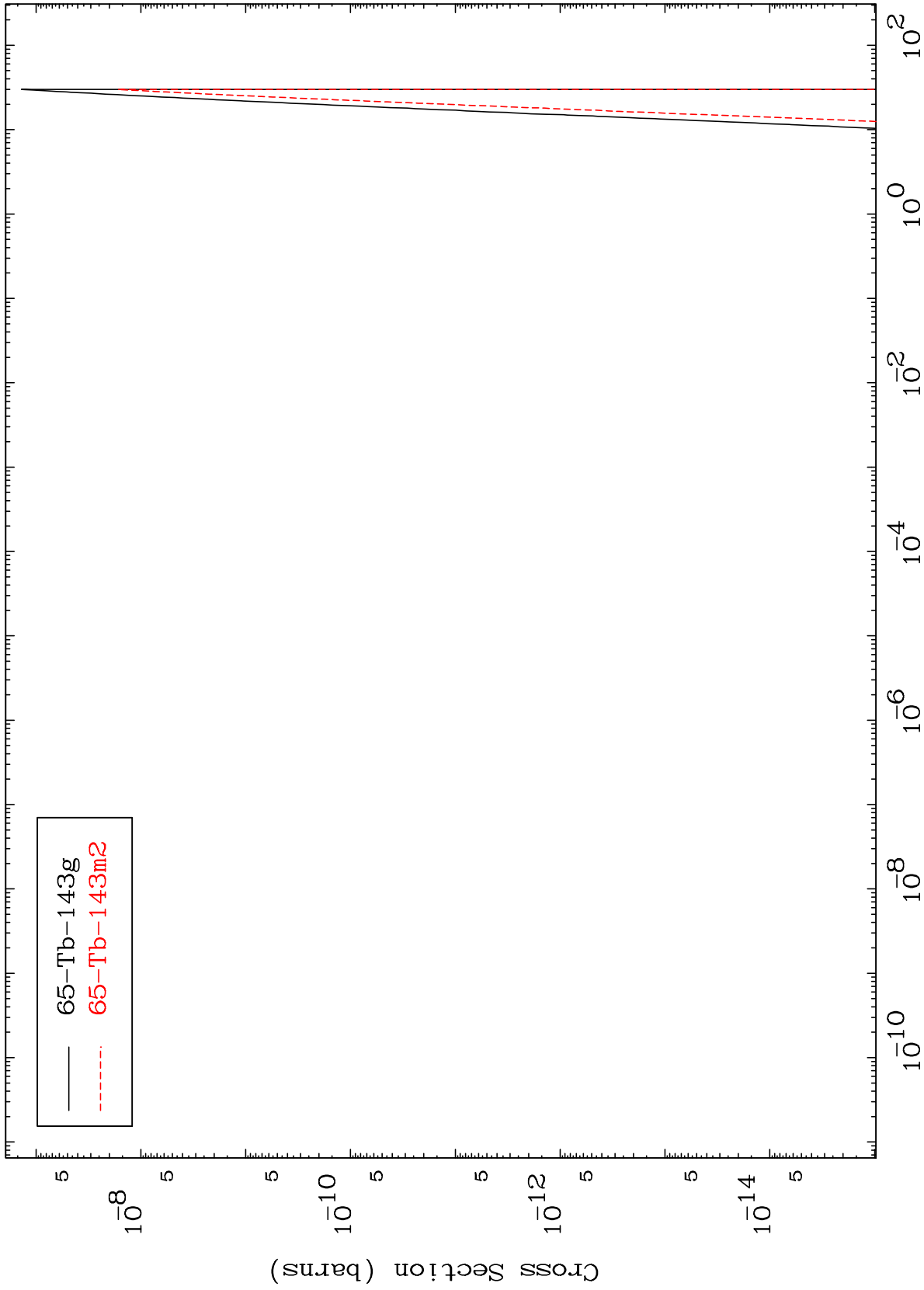


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(n, 3α)

⁷¹Lu-154

Radionuclide Production Cross Section

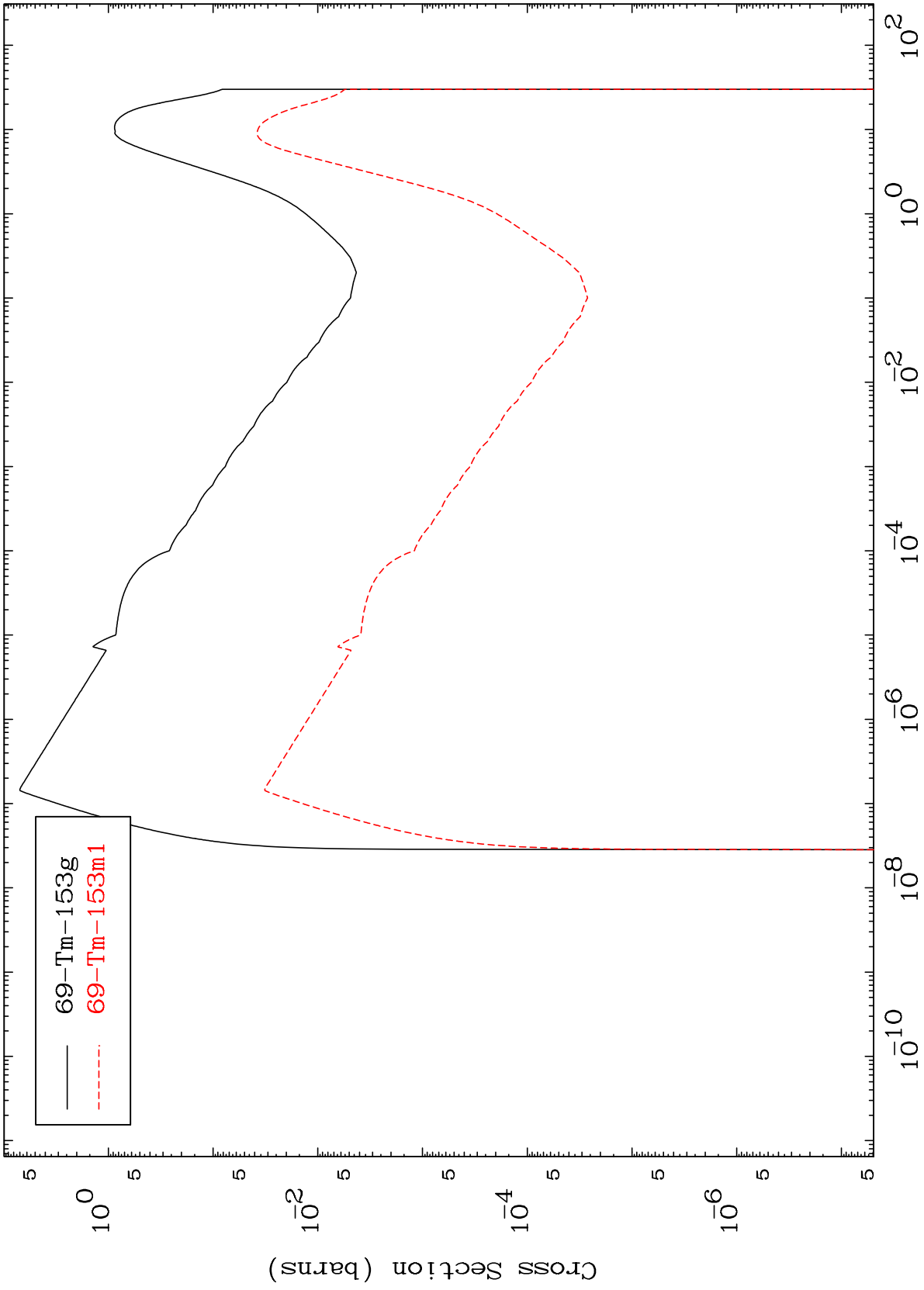


⁷¹Lu-154

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71-Lu-154

(n,2p)
Radionuclide Production Cross Section



29

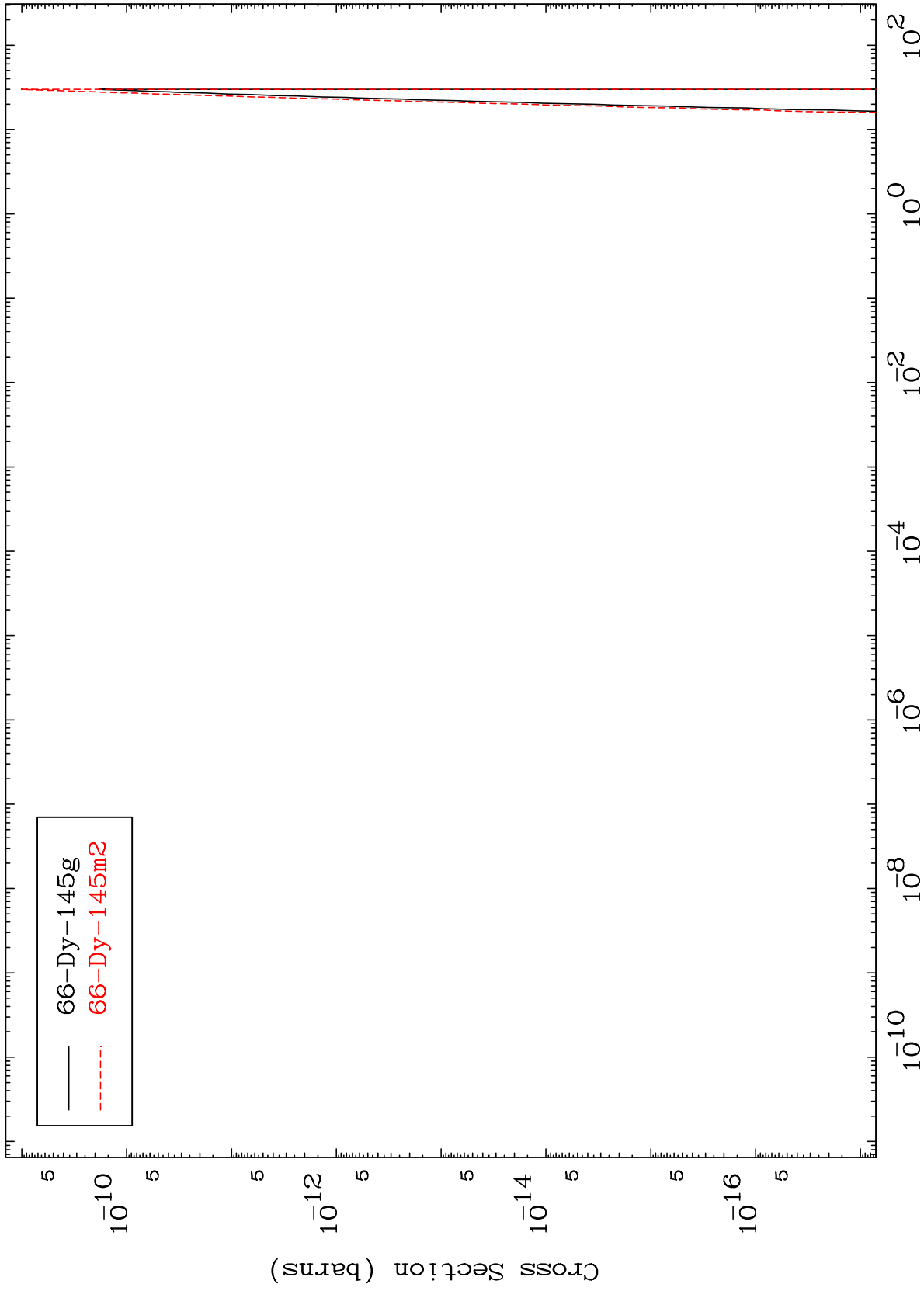
71-Lu-154

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(n,d) 2α

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

Radionuclide Production Cross Section

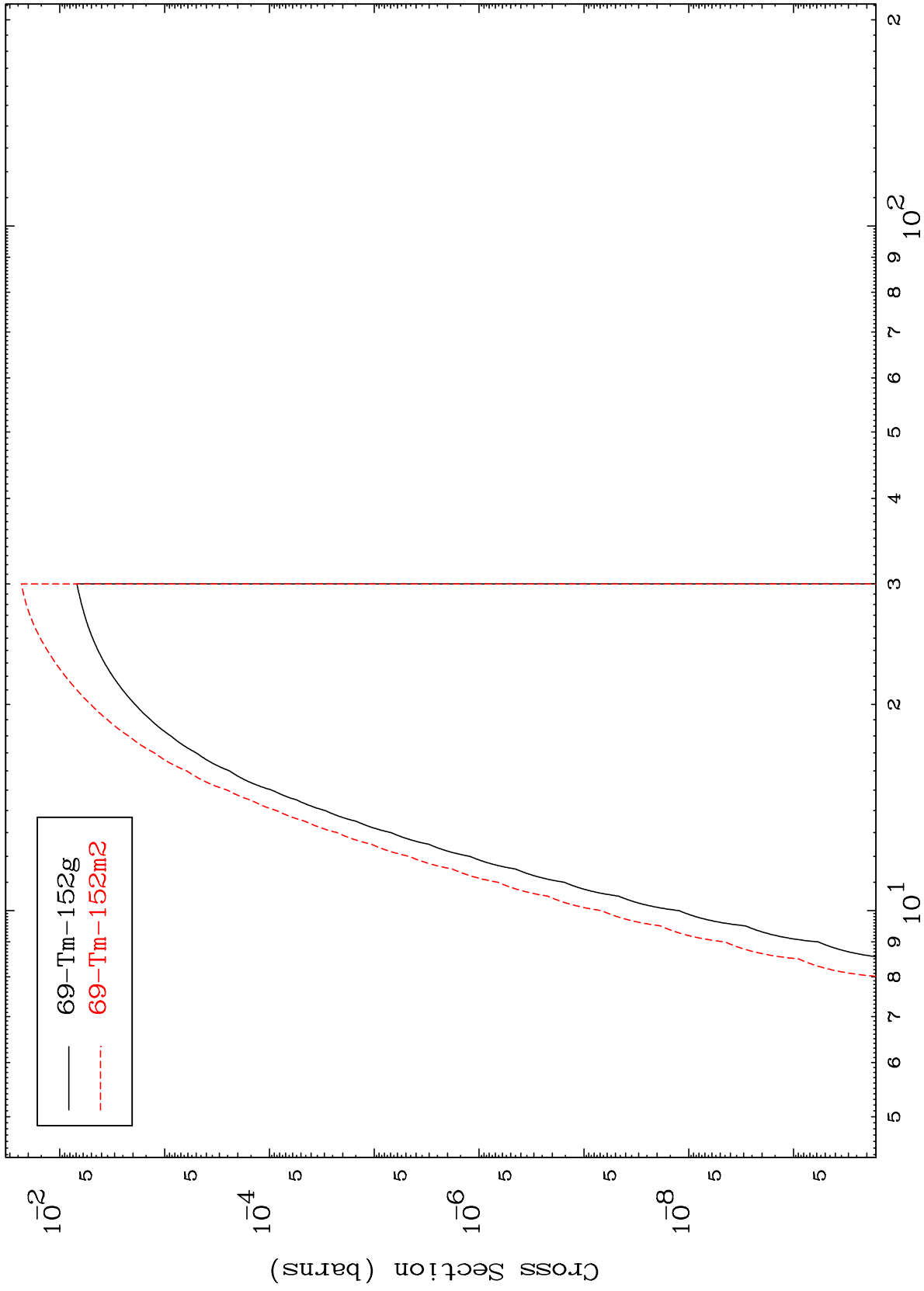


30

Incident Energy (MeV)

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

Radionuclide Production Cross Section

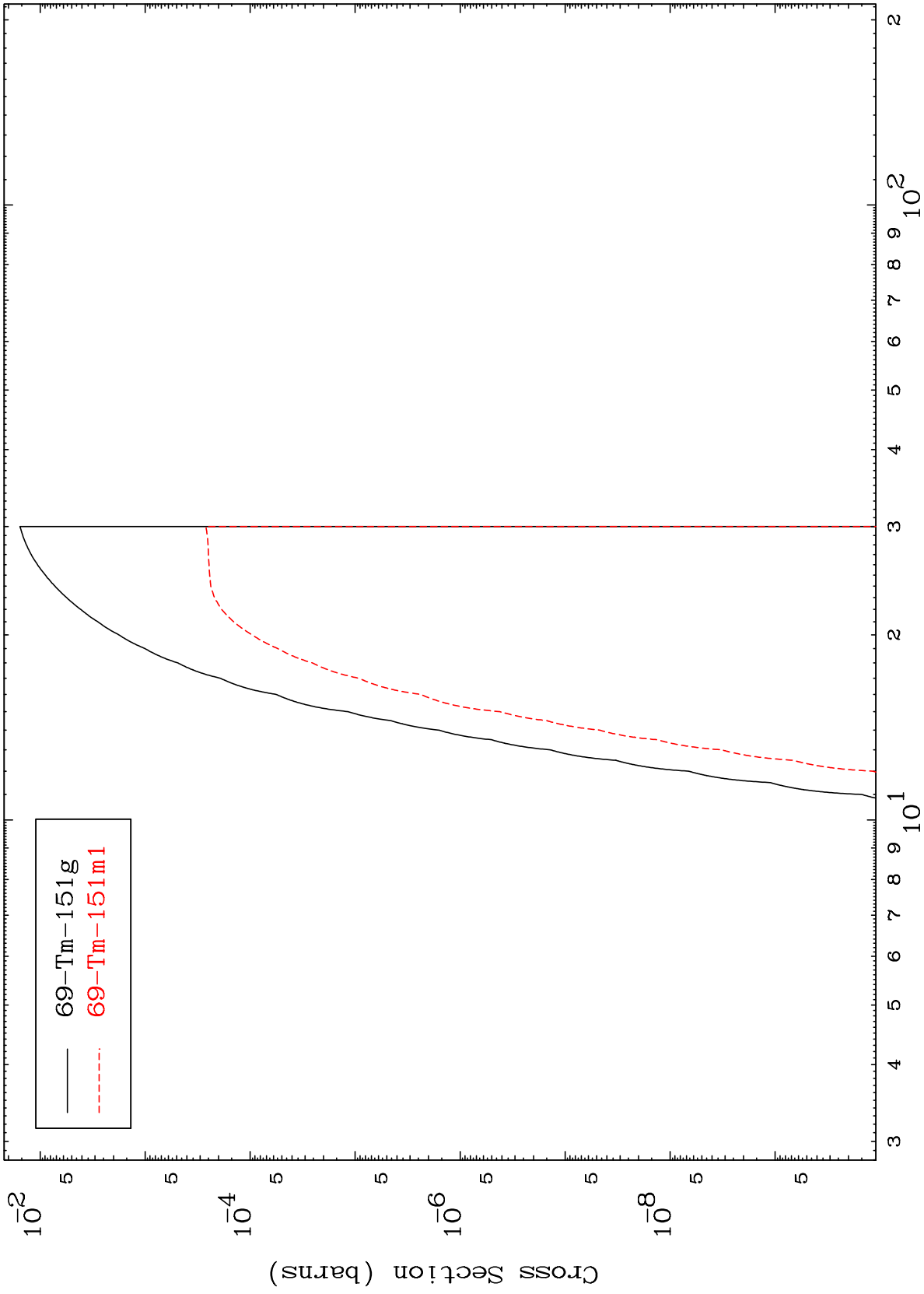


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(n,p) t

71-Lu-154

Radionuclide Production Cross Section



69-Tm-151g
69-Tm-151m1

32

Incident Energy (MeV)

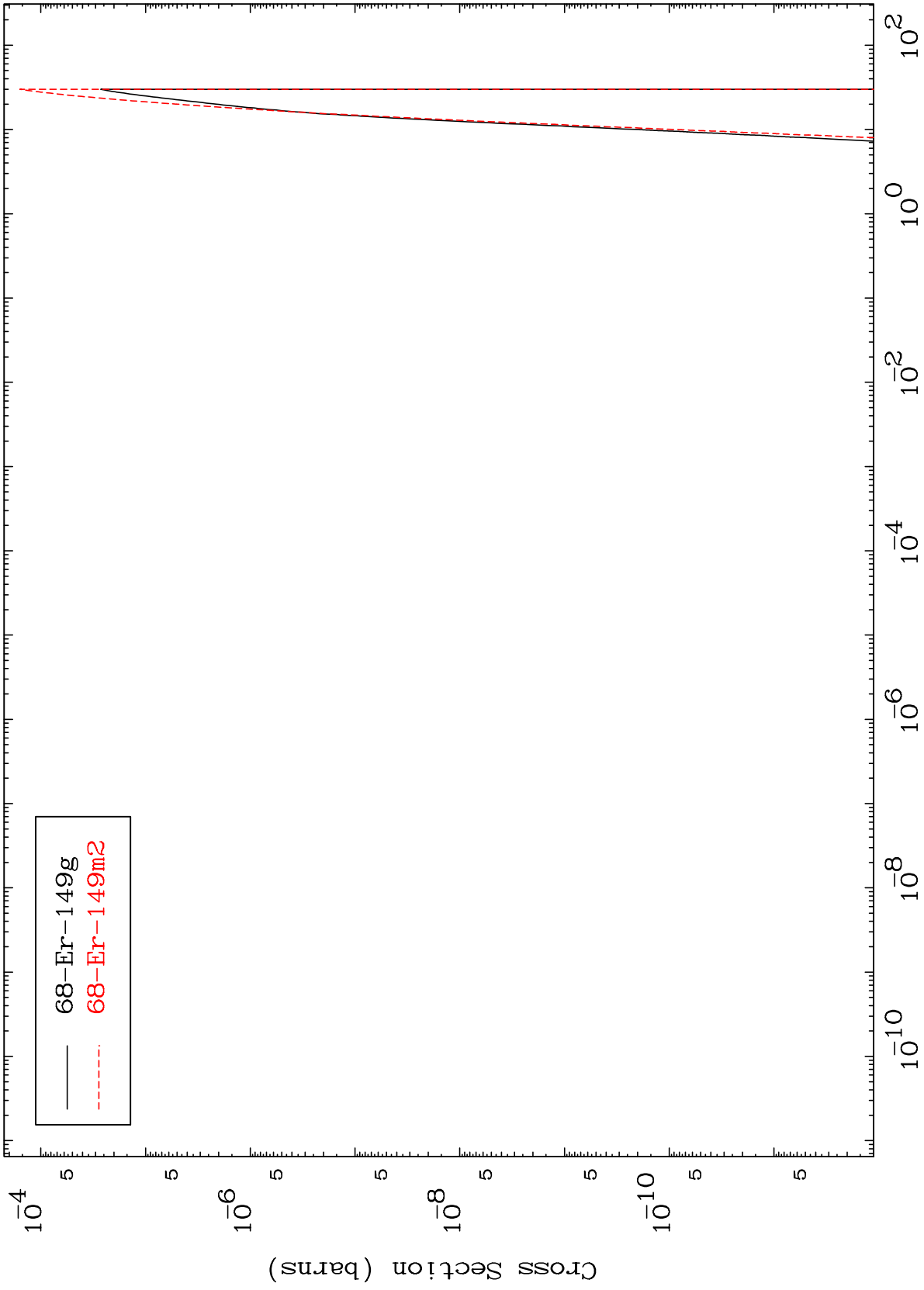
71-Lu-154

MAT 7063

(n,d) α

⁷¹Lu-154

Radionuclide Production Cross Section



⁷¹Lu-154