

Program EVALPLOT
(Version 2017-1)

by

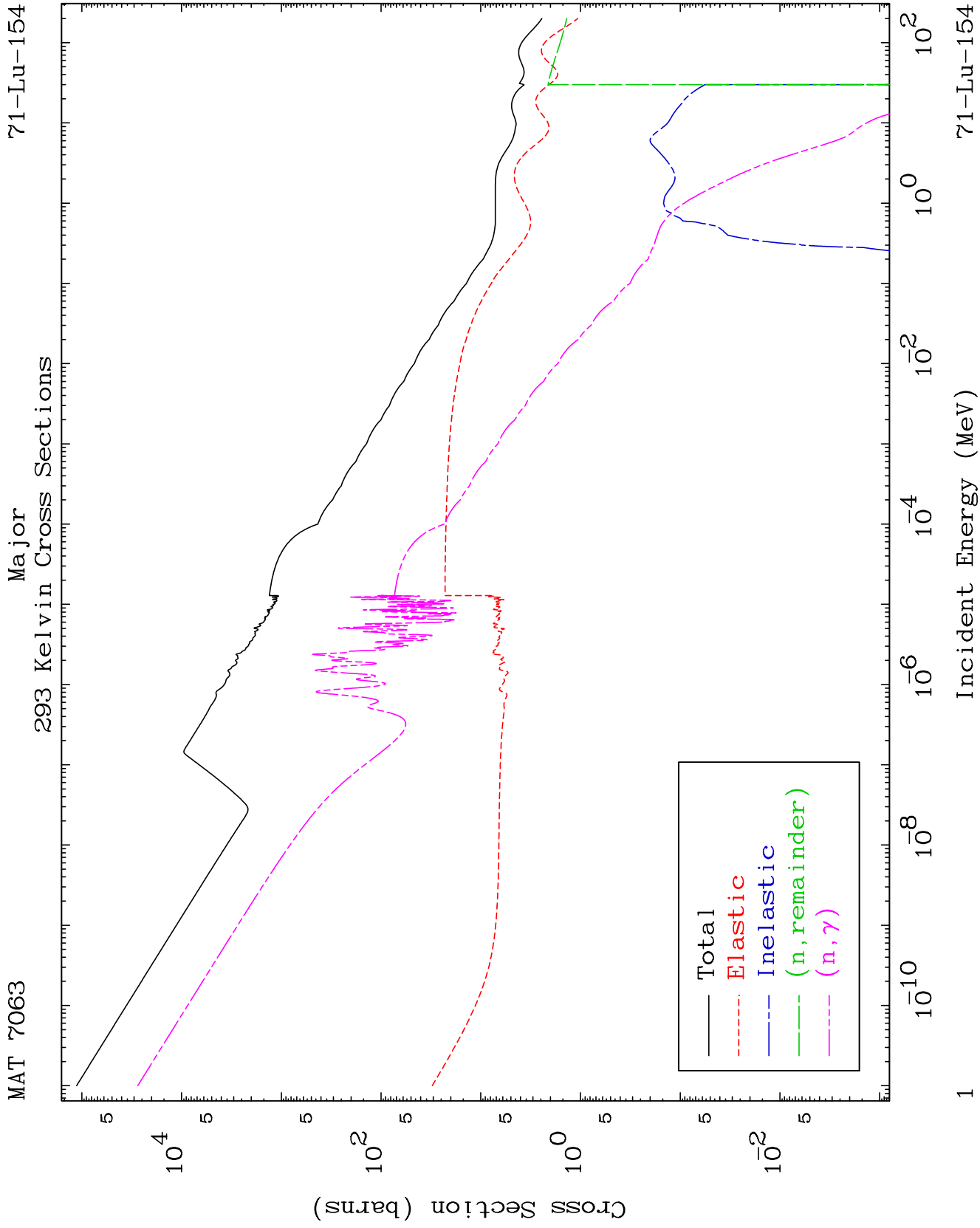
Dermott E. Cullen
(Present Contact Information)

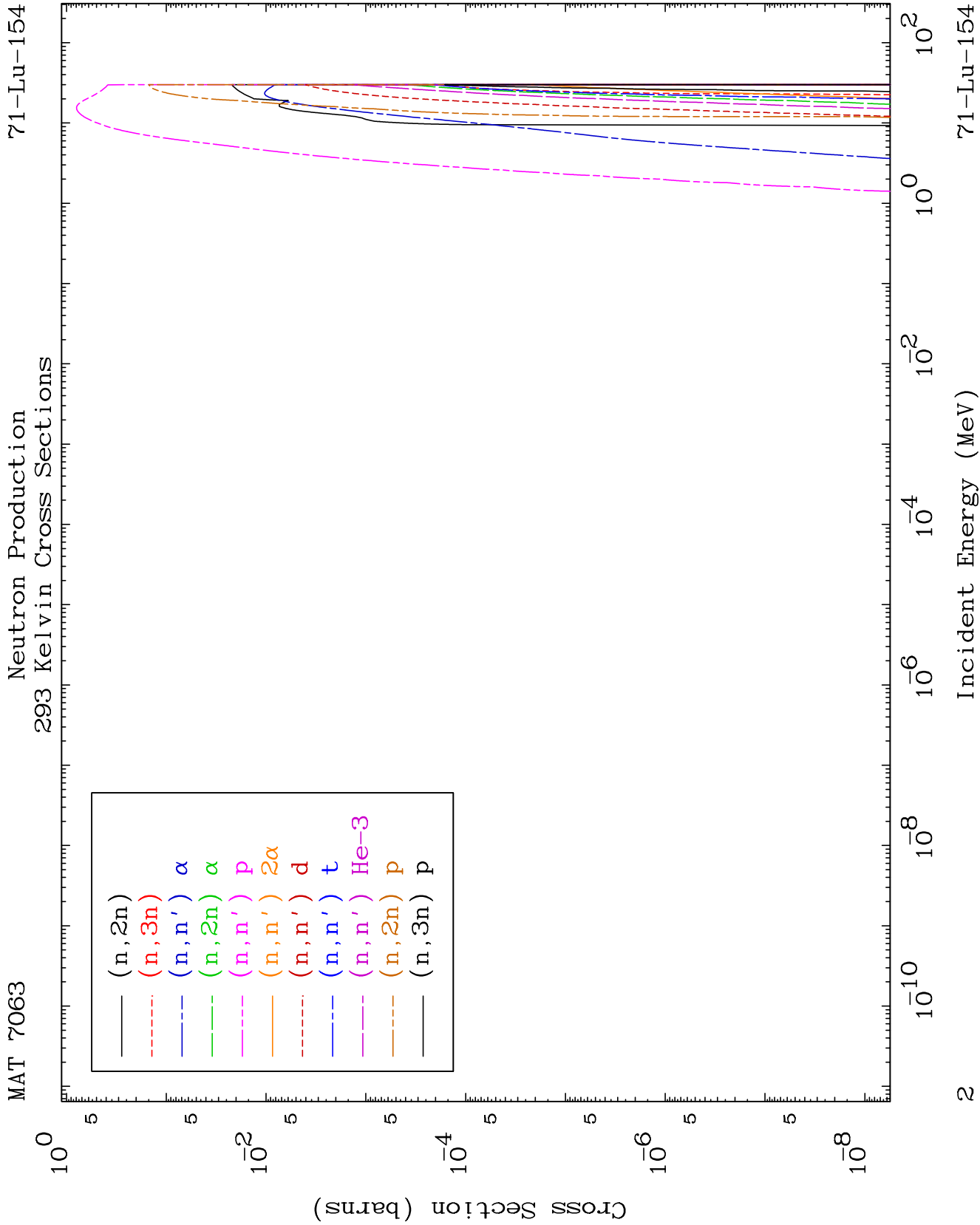
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

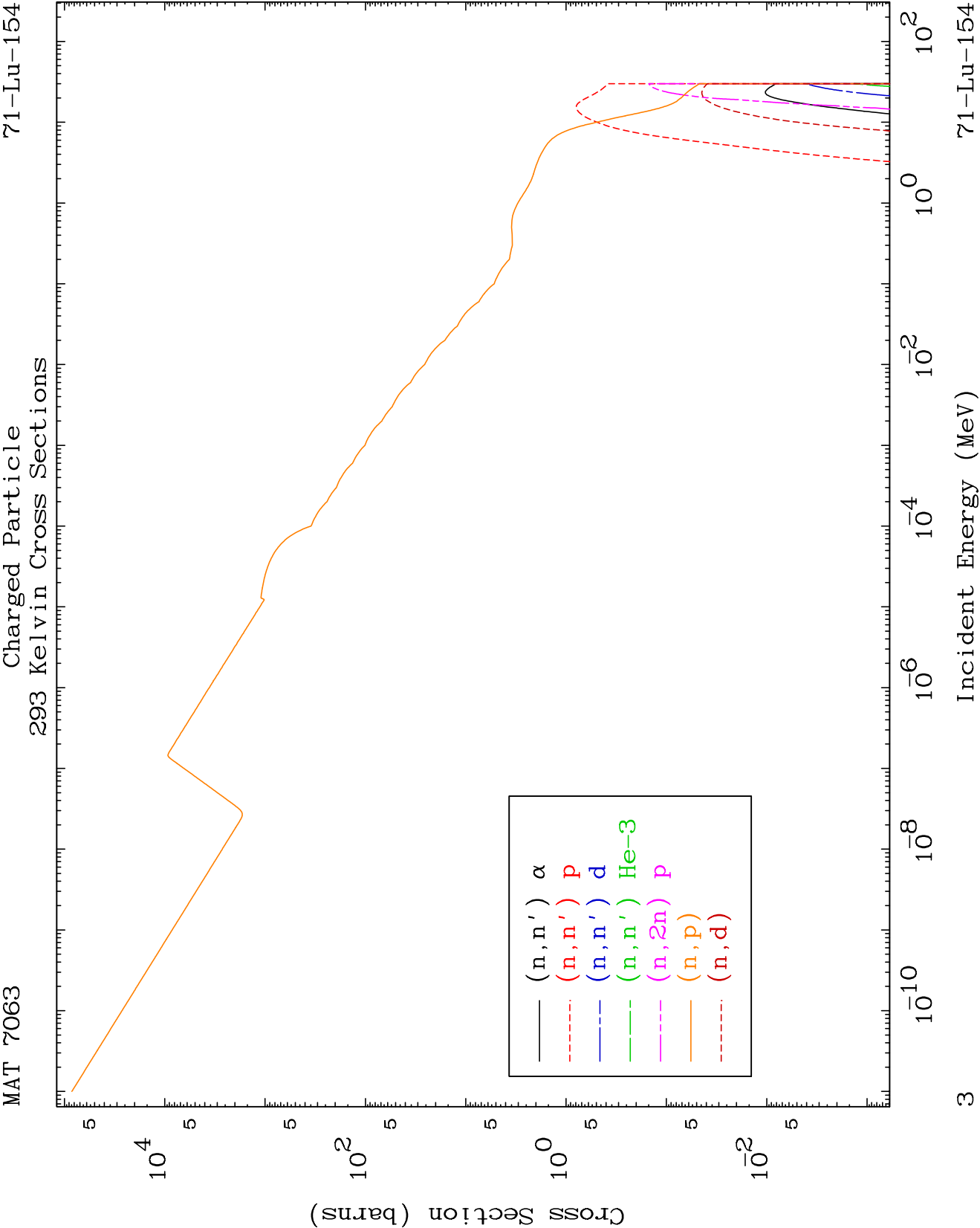
Tele: 925-443-1911

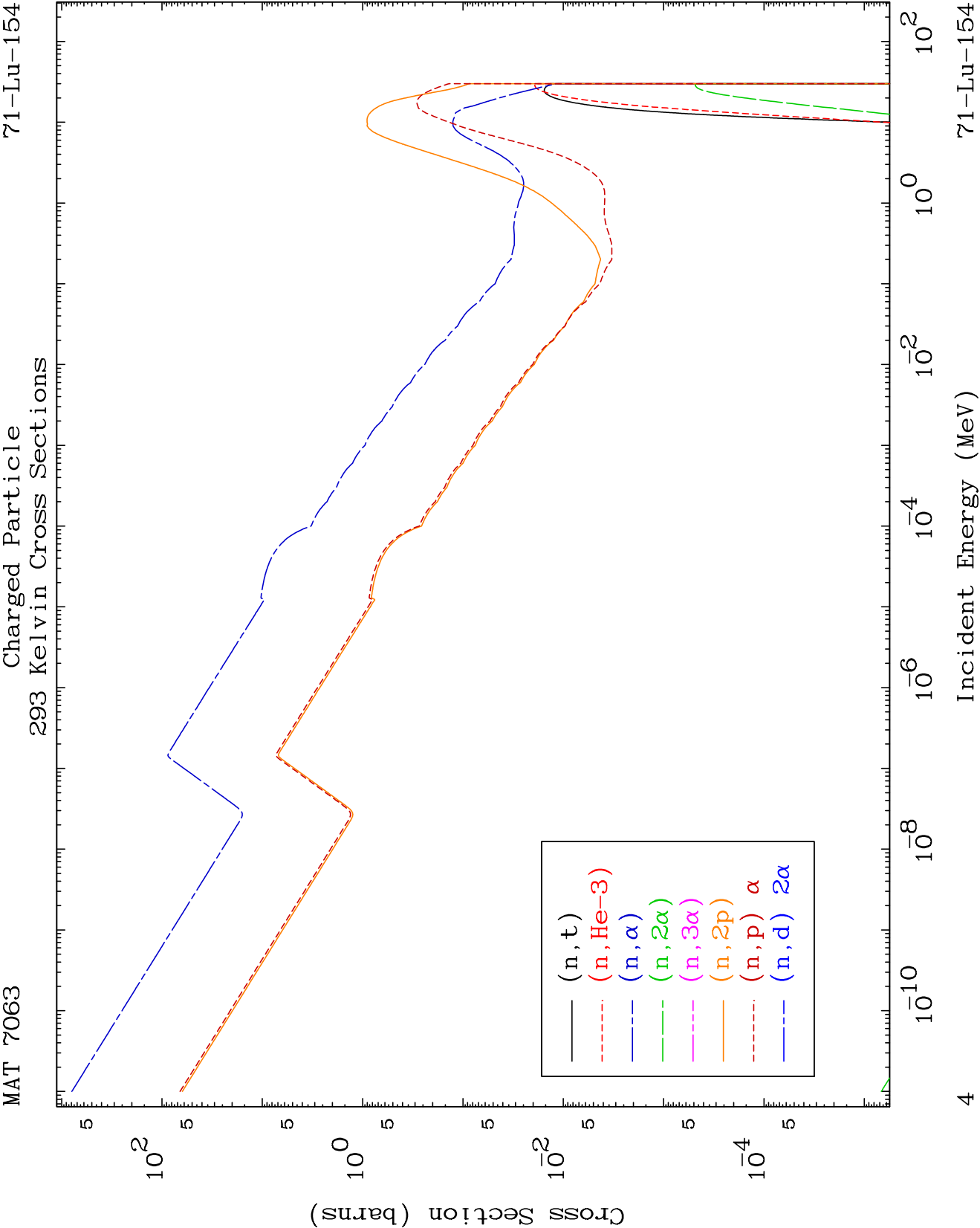
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





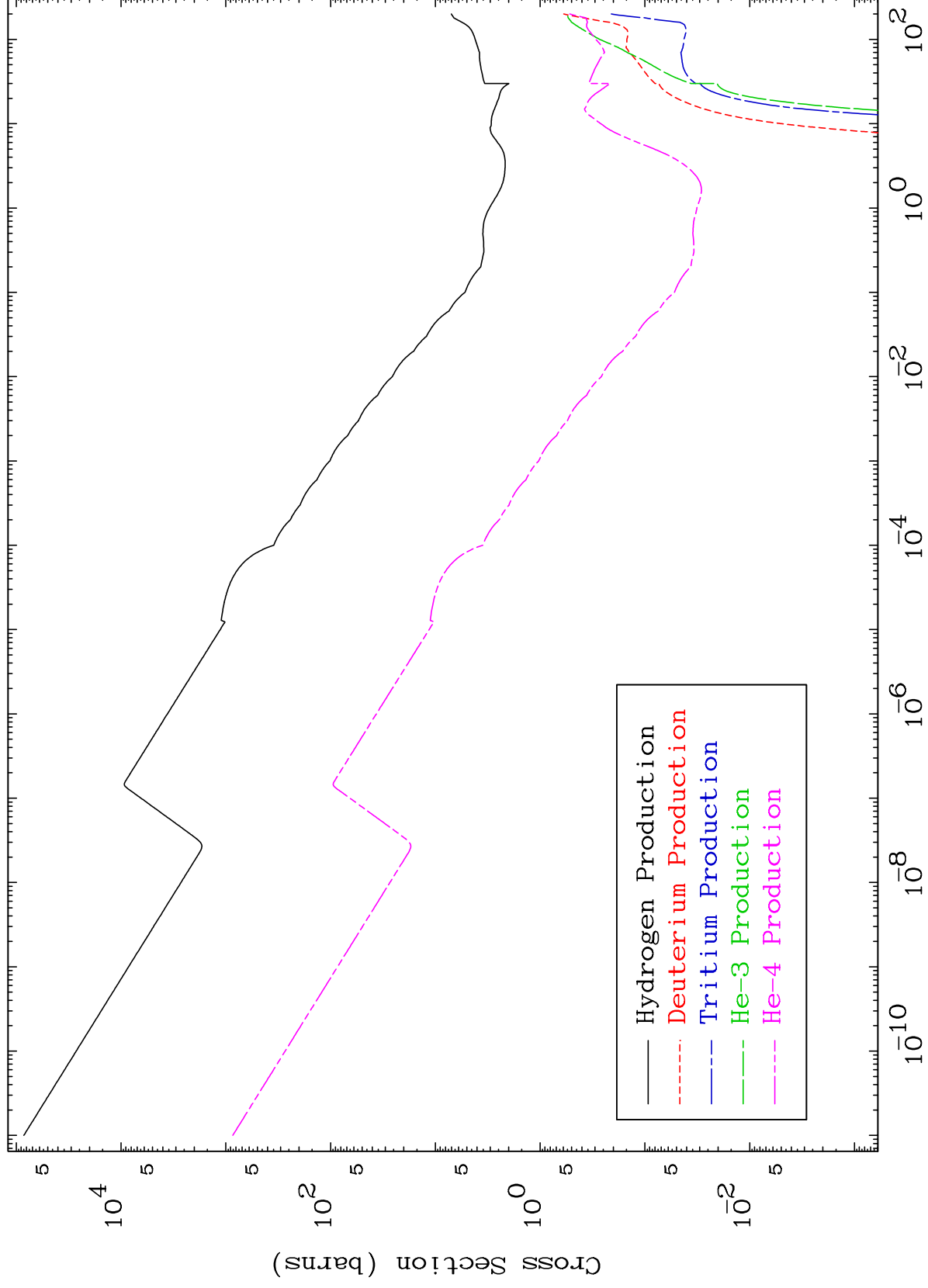




MAT 7063

Particle Production
293 Kelvin Cross Sections

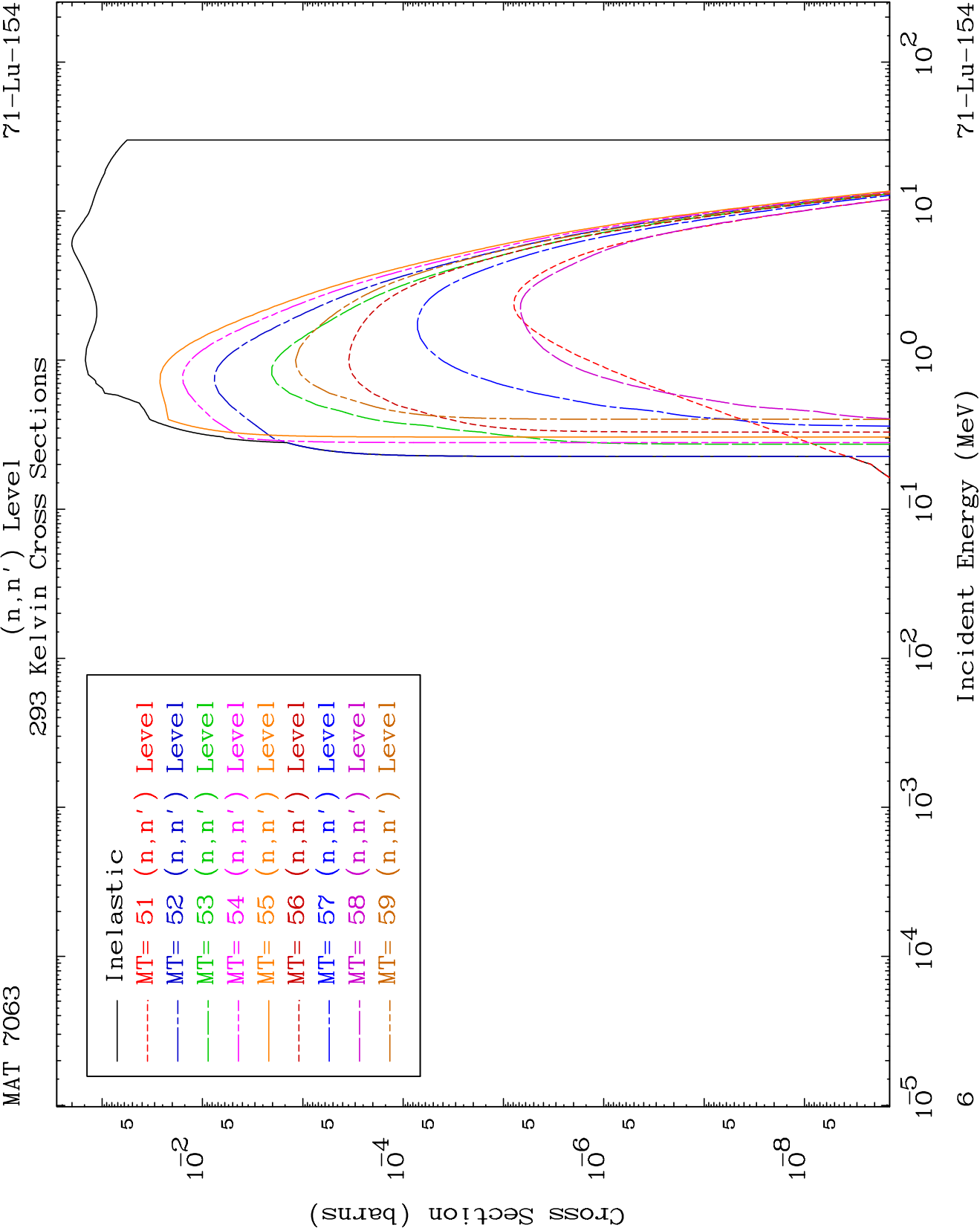
71-Lu-154

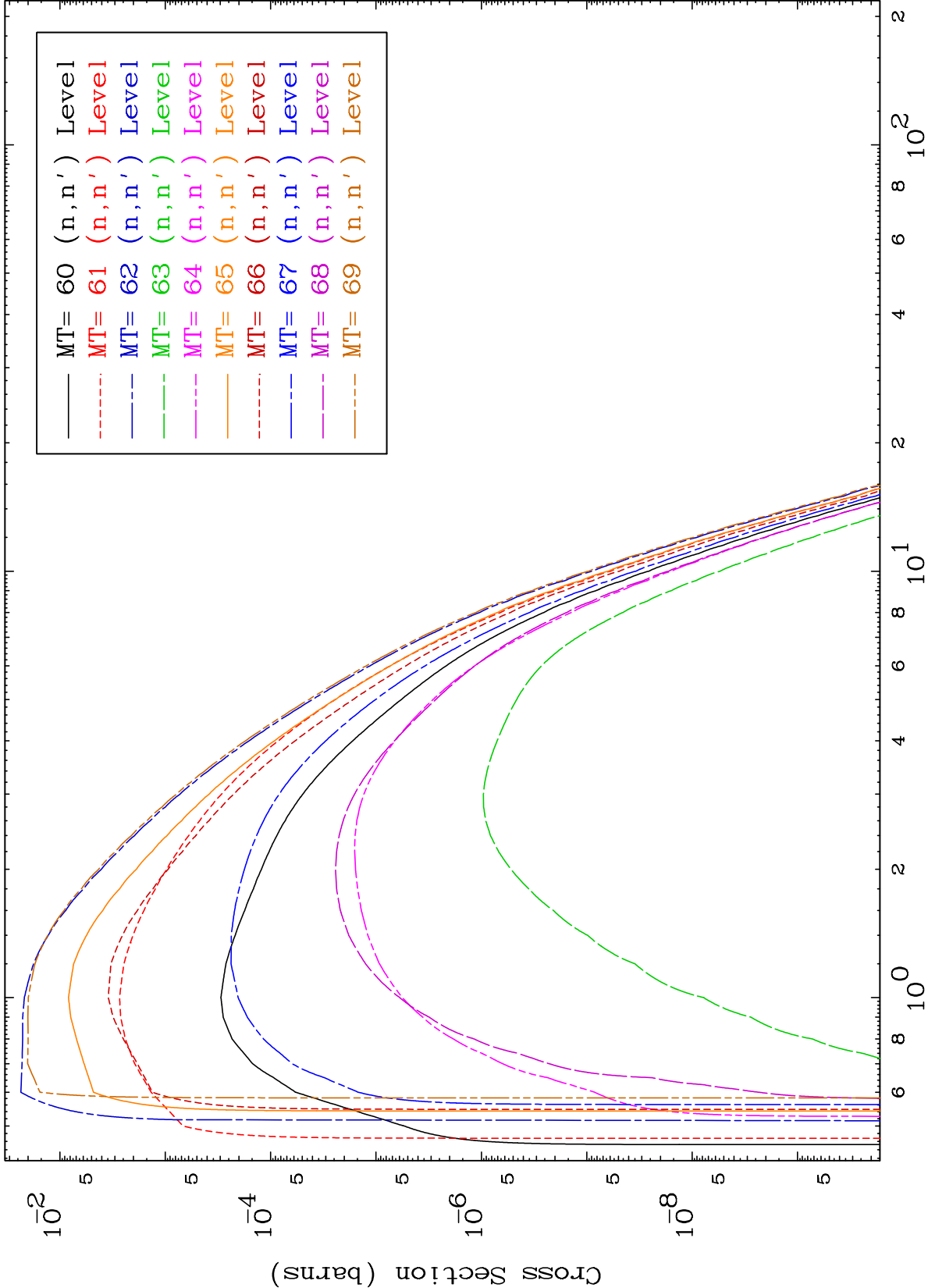


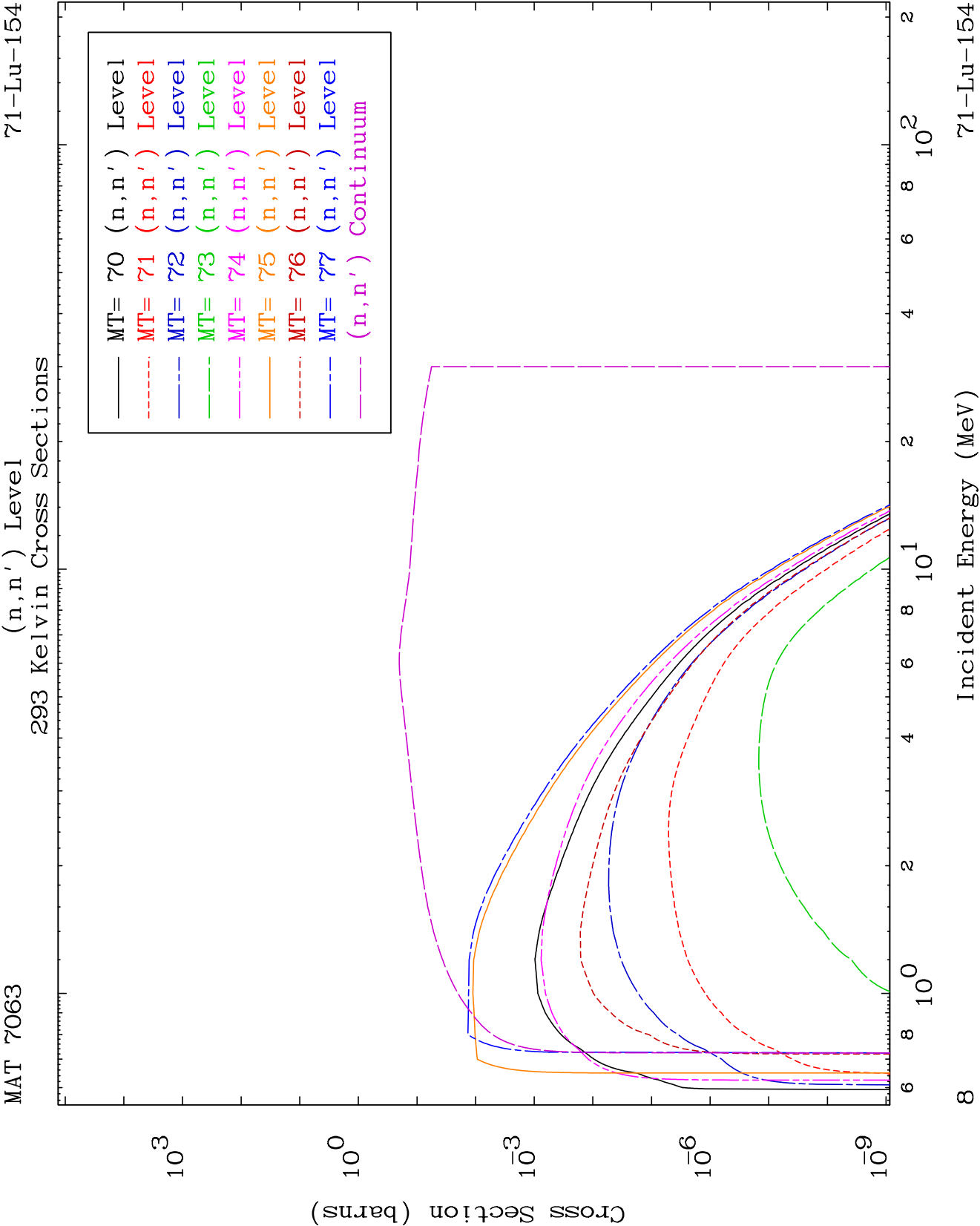
5

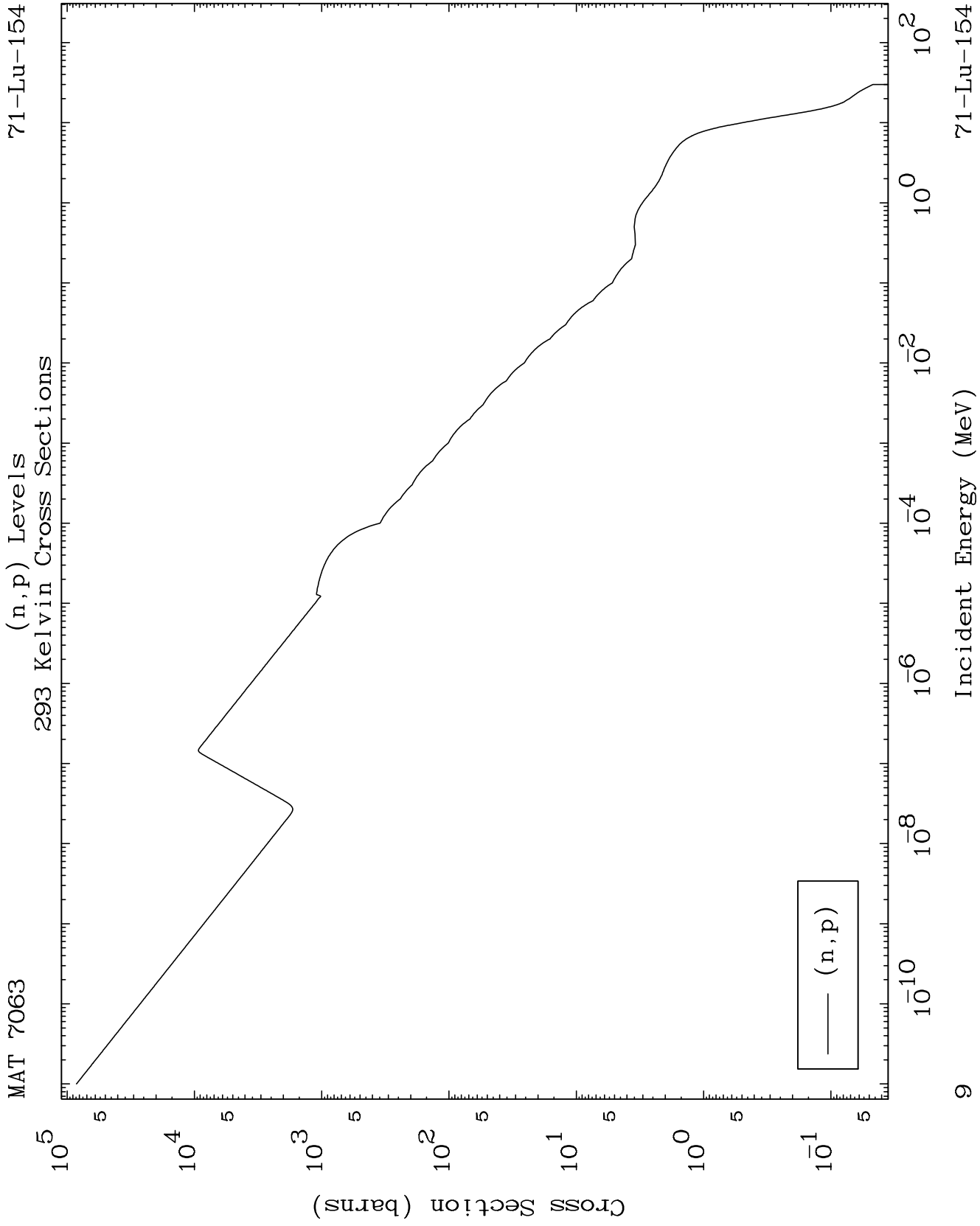
Incident Energy (MeV)

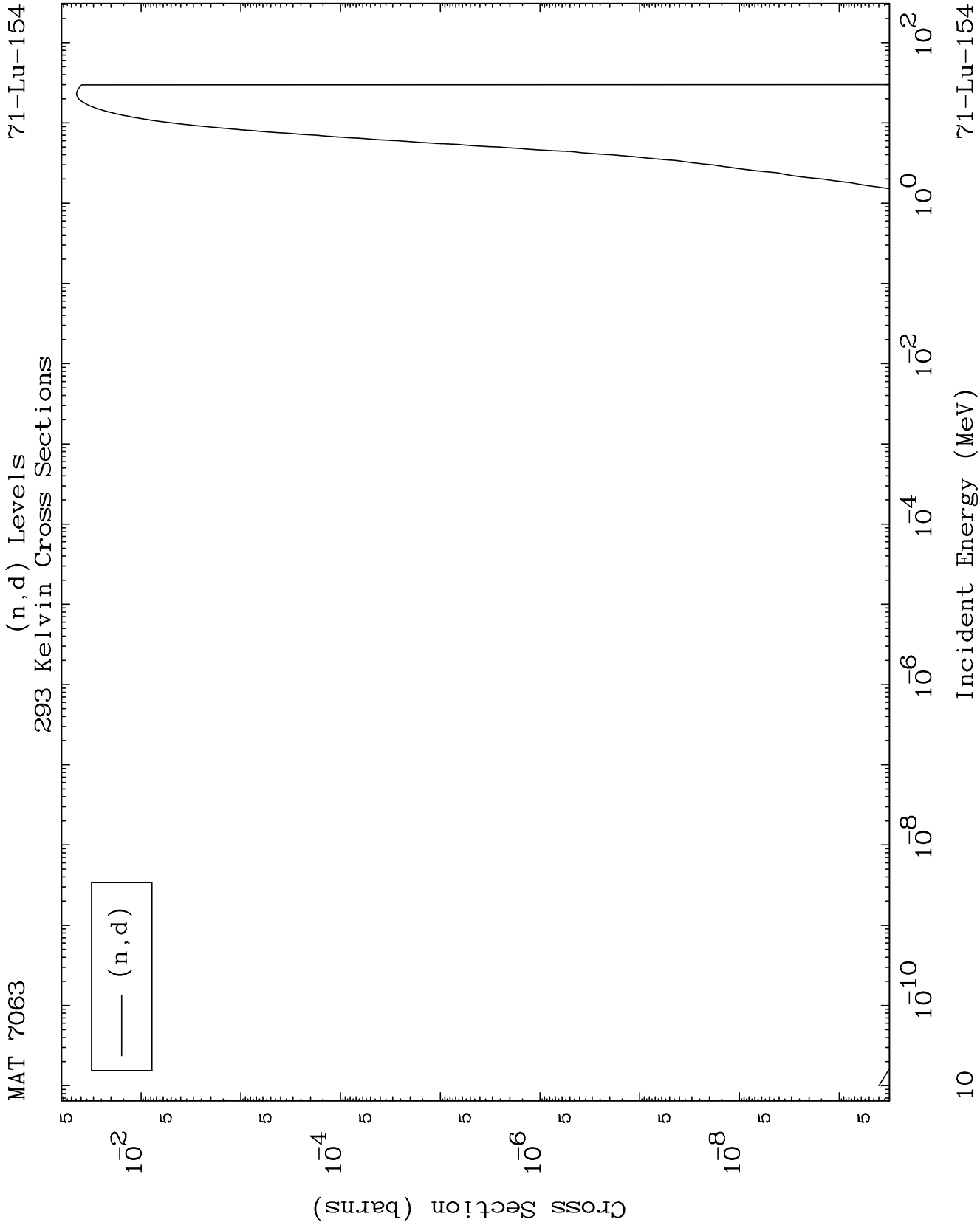
71-Lu-154







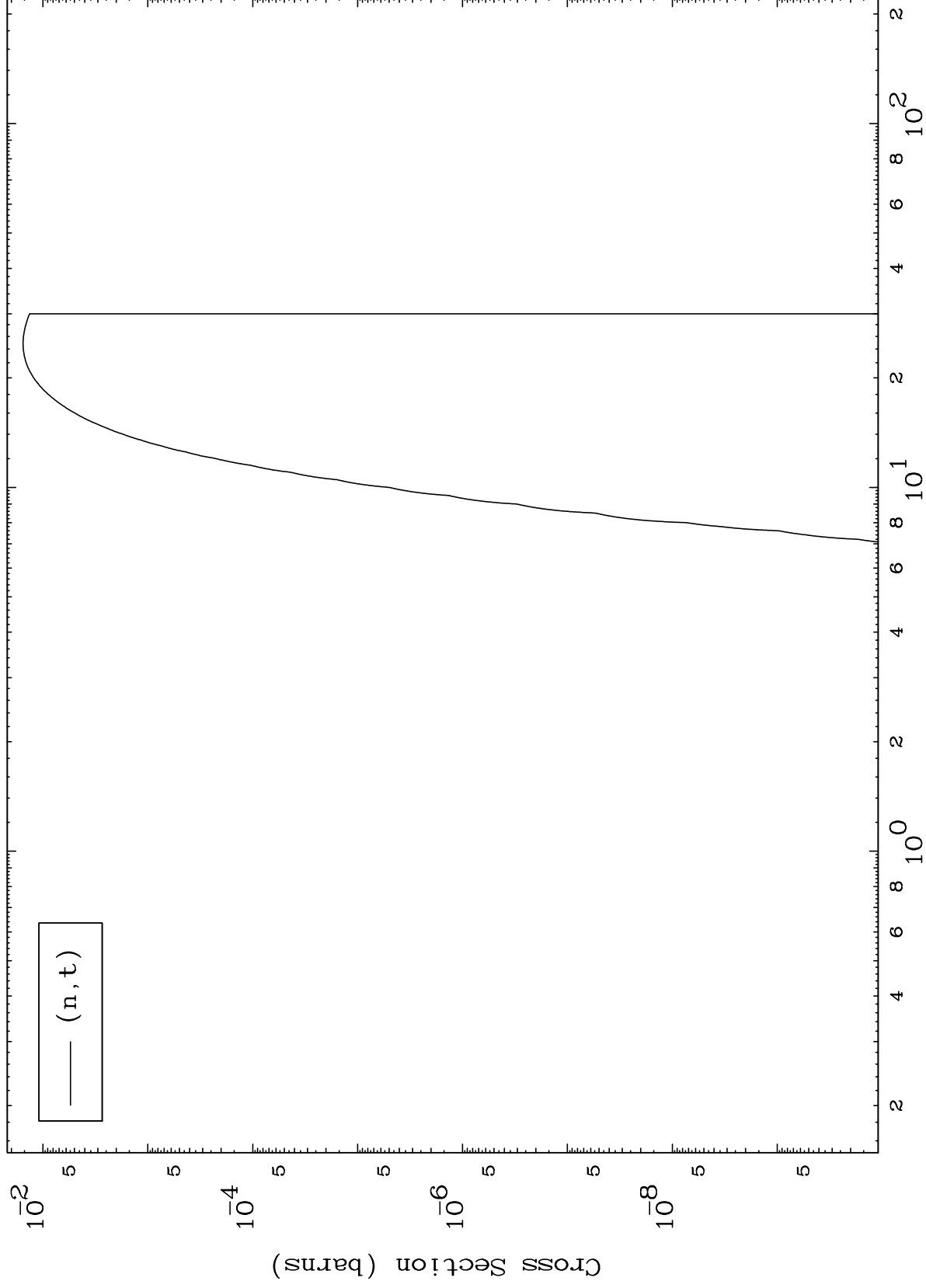




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71-Lu-154

(n,t) Levels
293 Kelvin Cross Sections



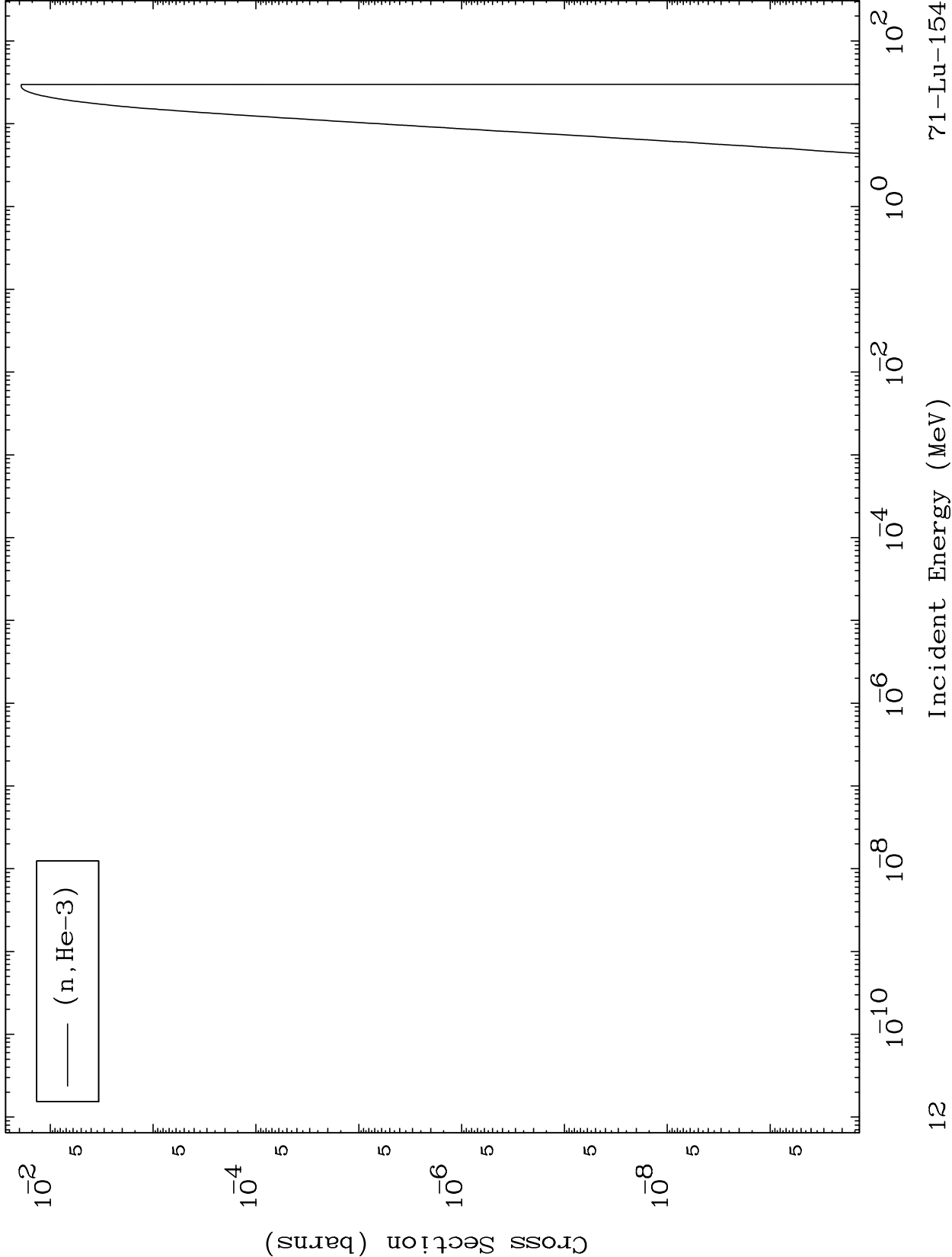
11

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(n,He3) Levels
293 Kelvin Cross Sections

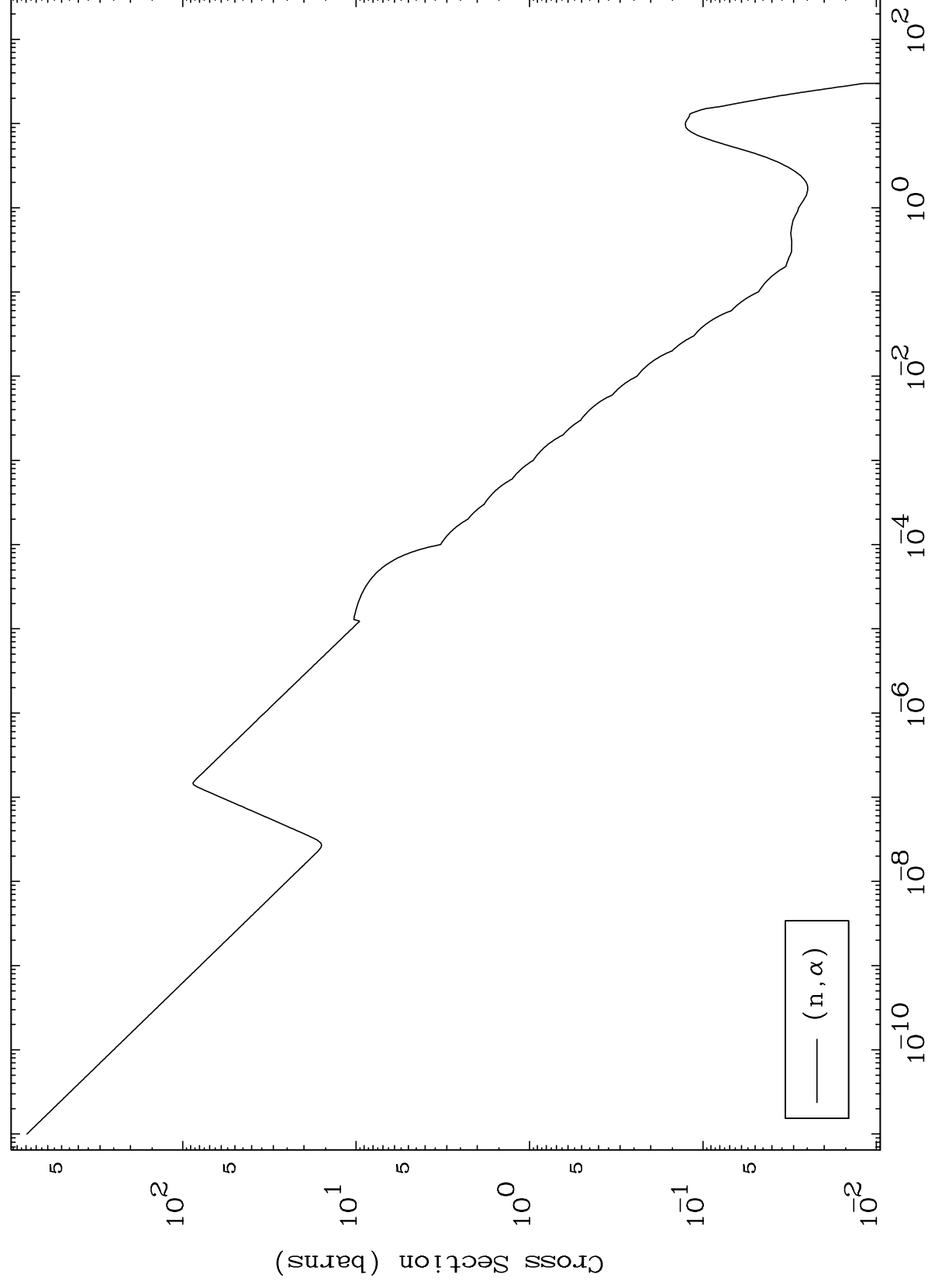
71-Lu-154



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(n, α) Levels
293 Kelvin Cross Sections

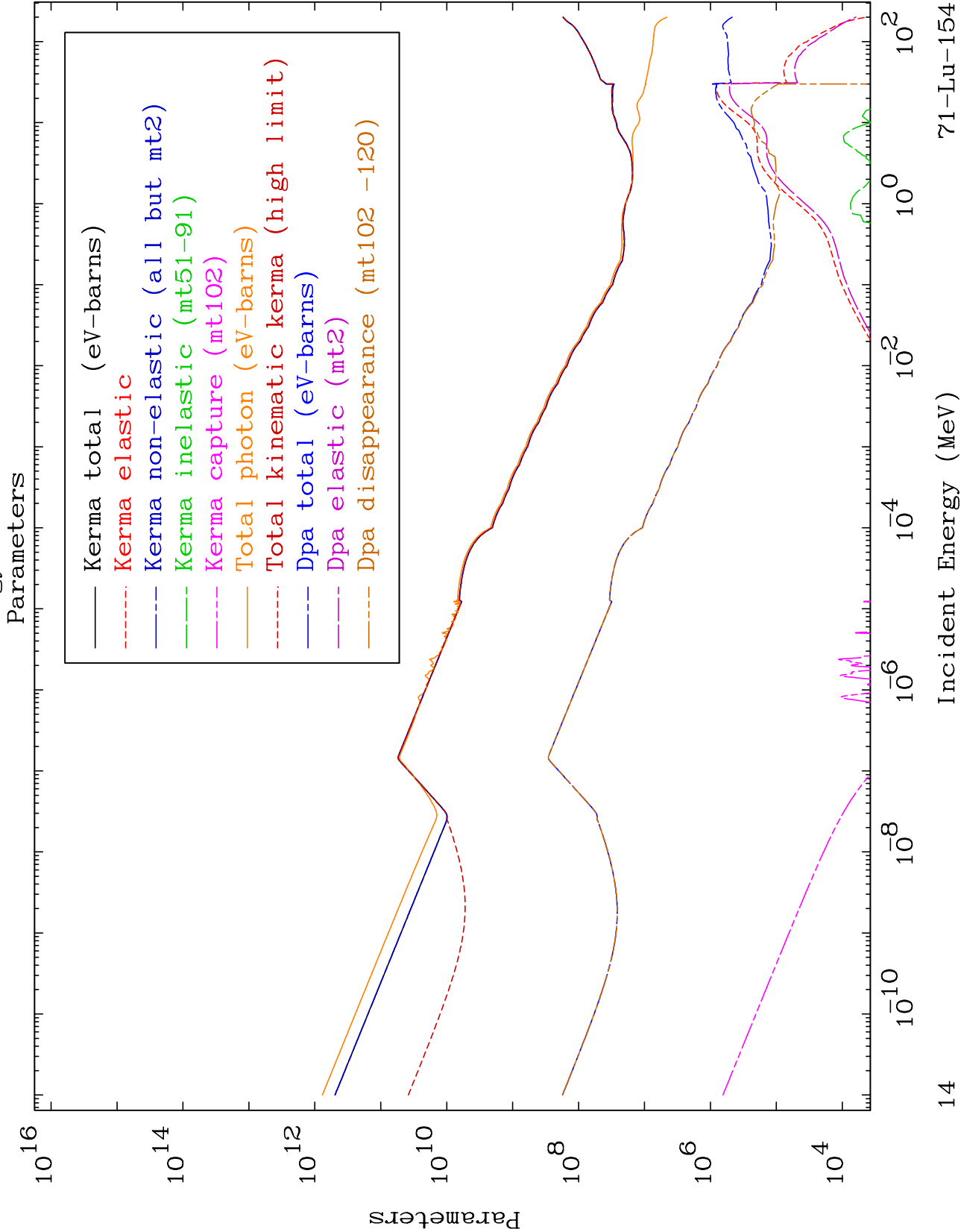
71-Lu-154

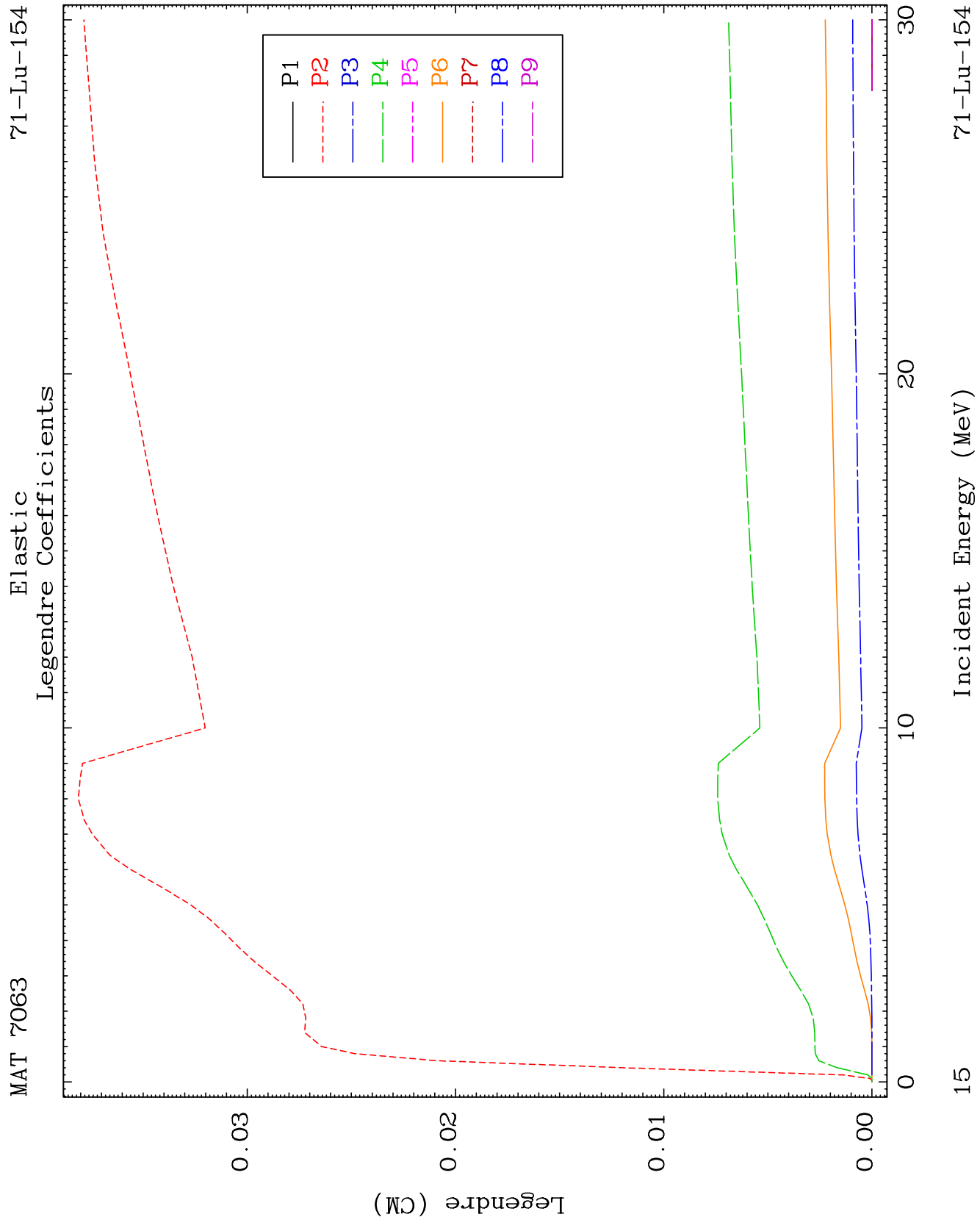


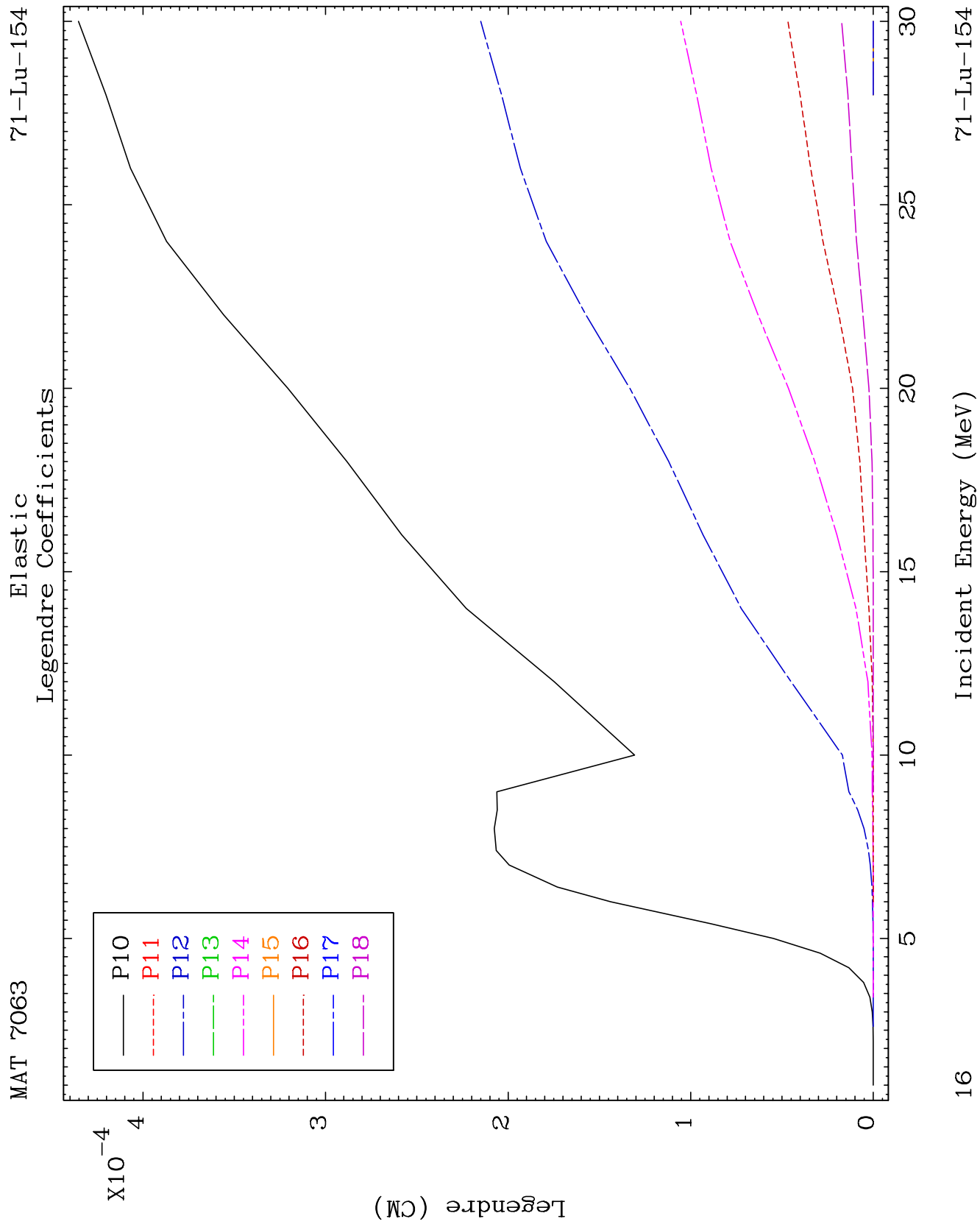
13

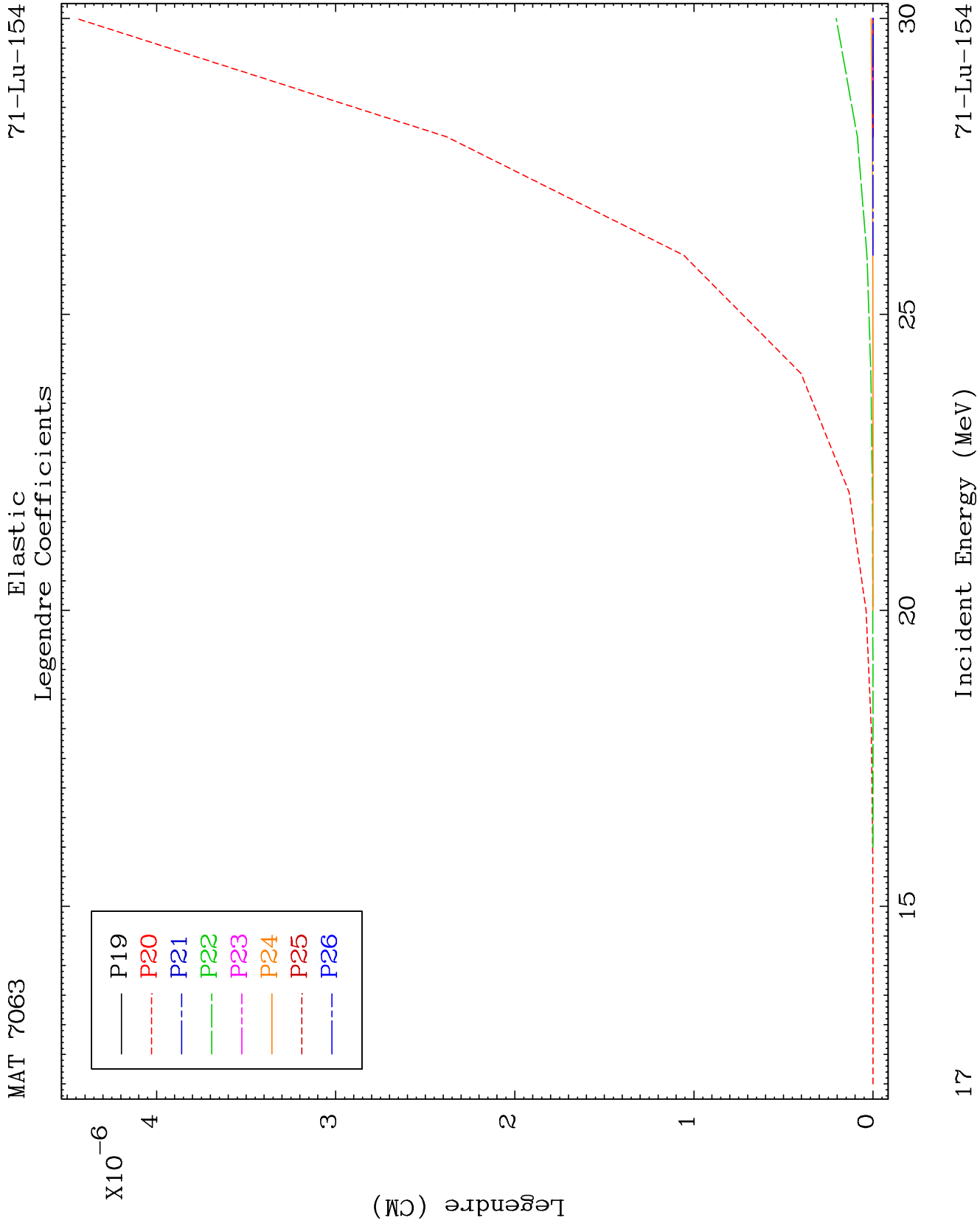
Incident Energy (MeV)

71-Lu-154







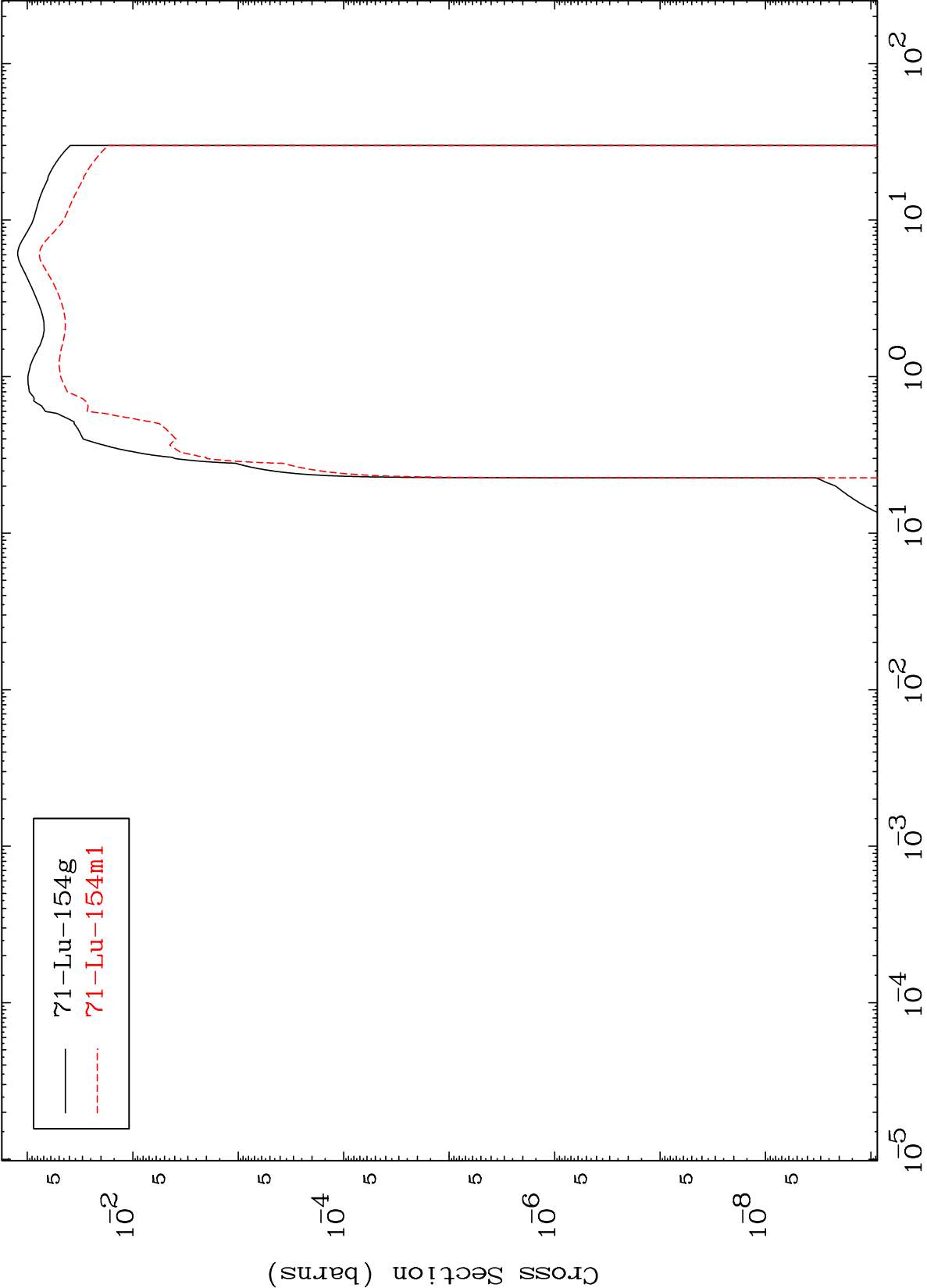


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Inelastic

⁷¹Lu-154

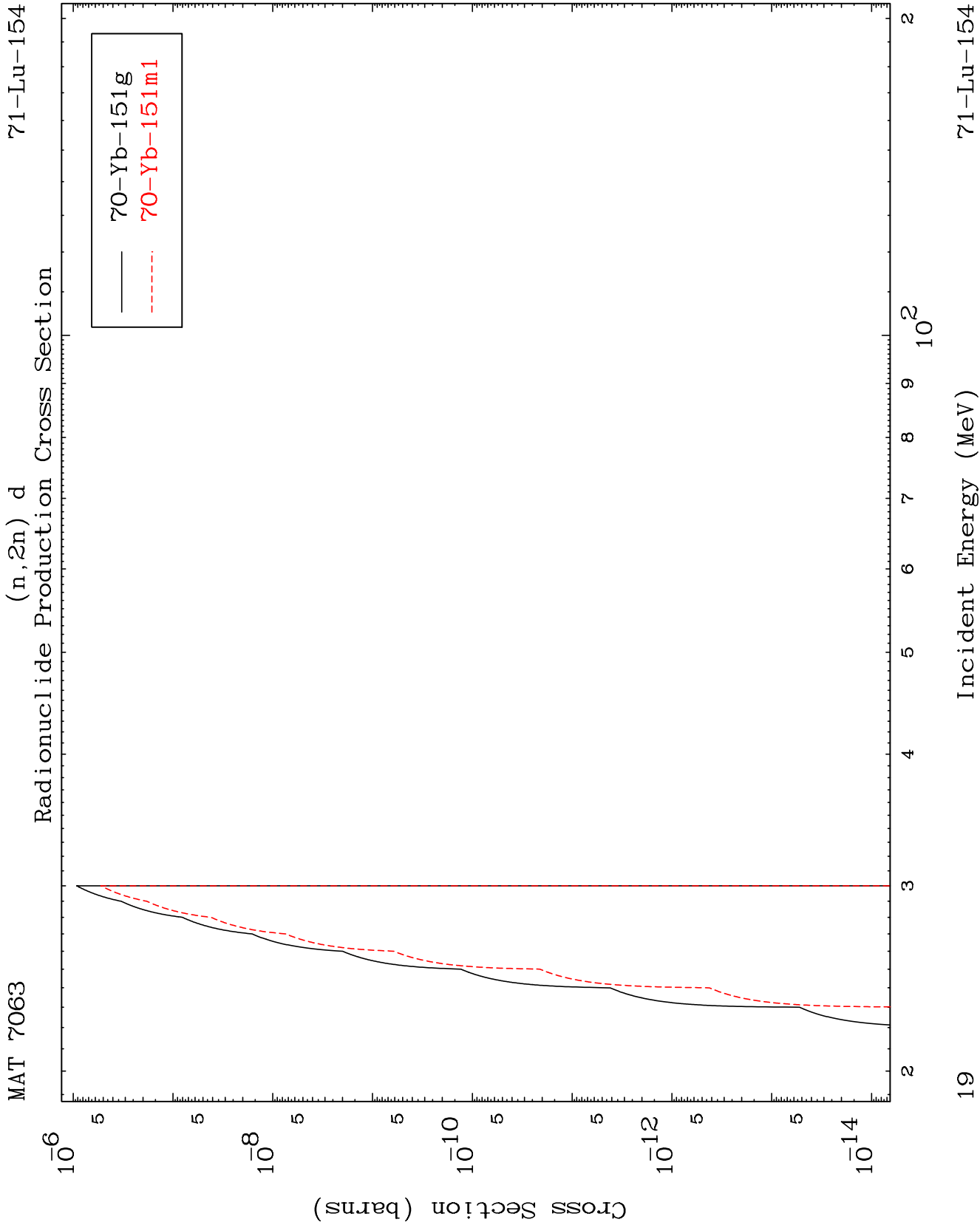
Radionuclide Production Cross Section

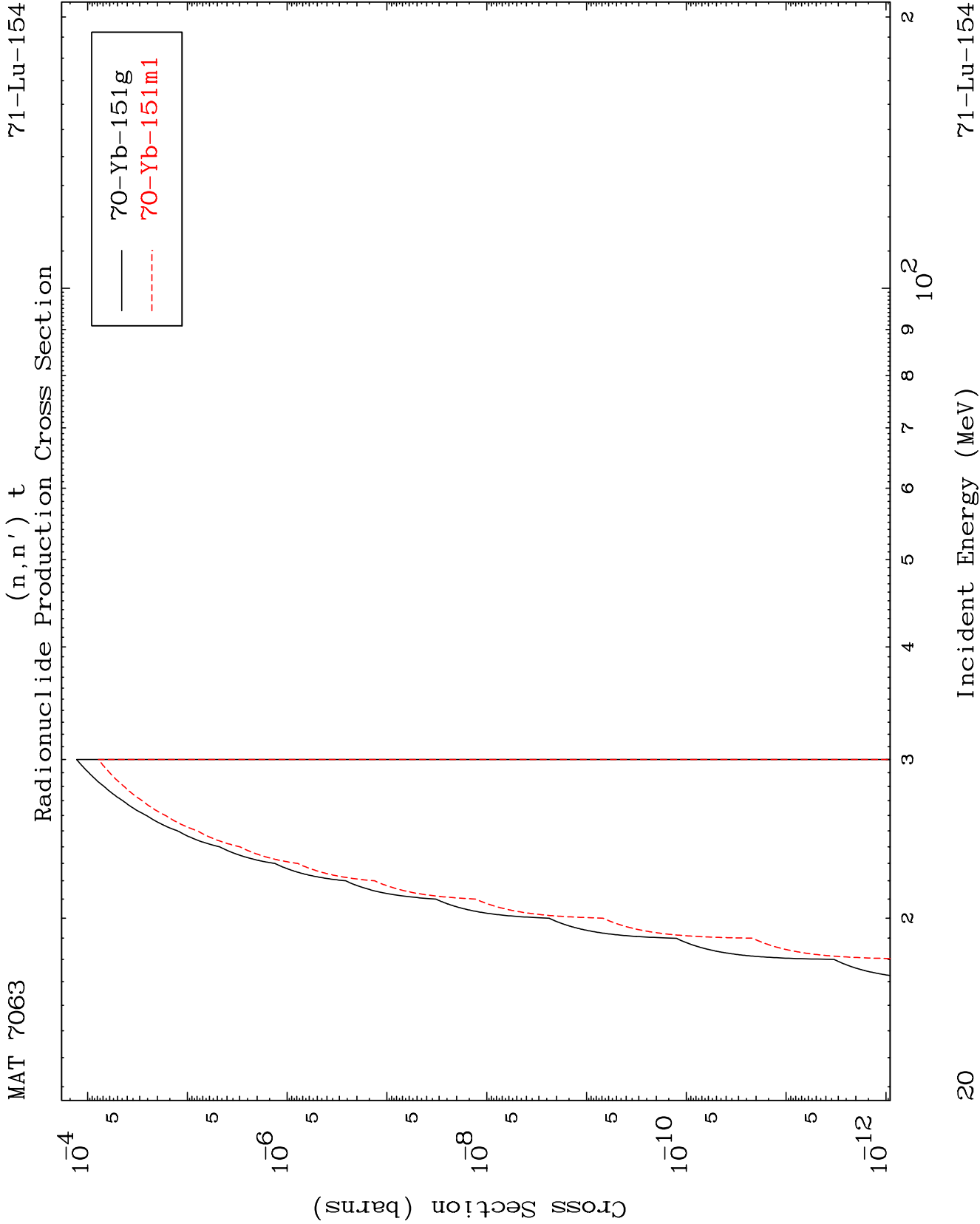


— ⁷¹Lu-154g
- - - ⁷¹Lu-154m1

Incident Energy (MeV)

⁷¹Lu-154



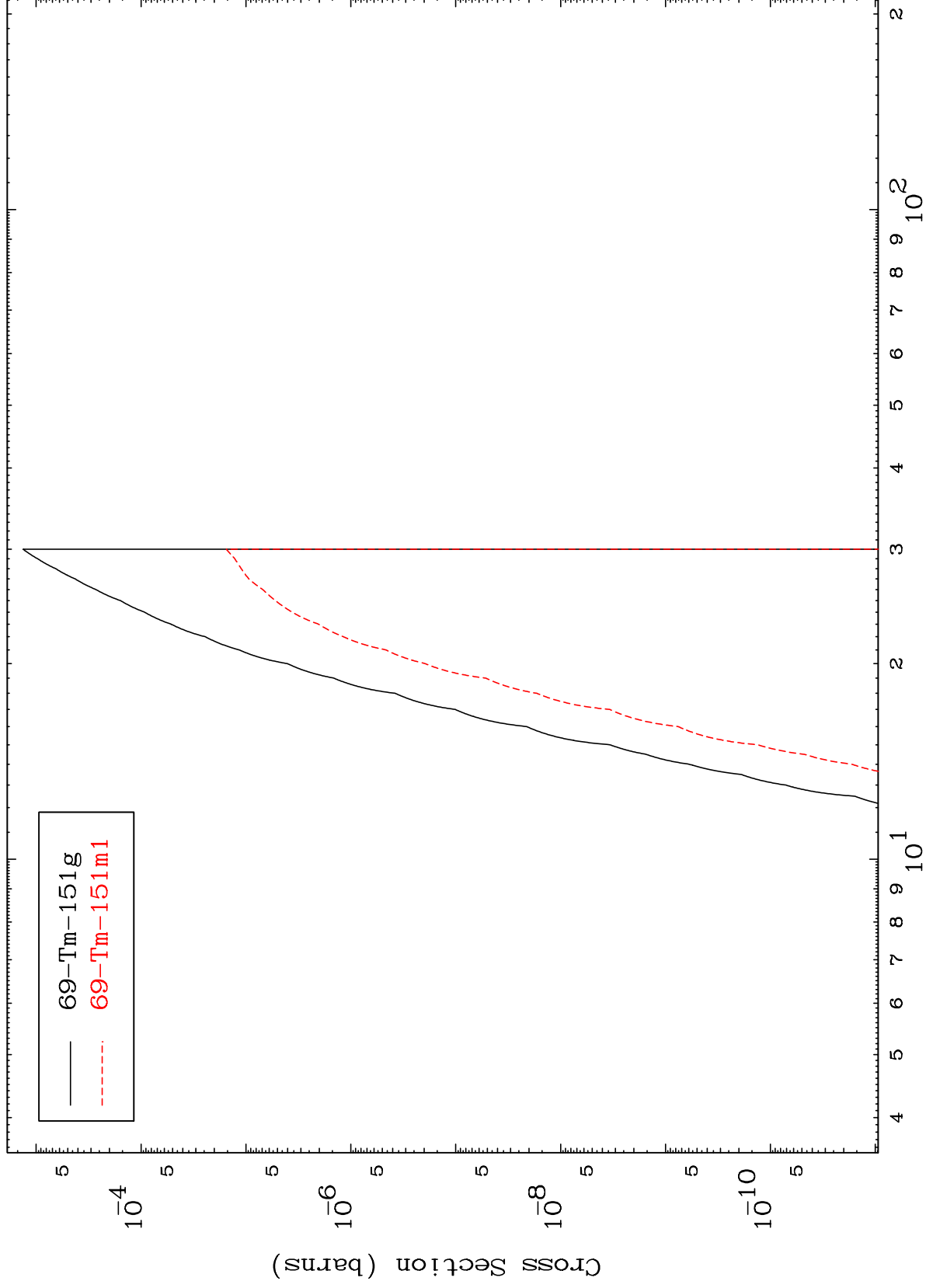


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(n,n') He-3

71-Lu-154

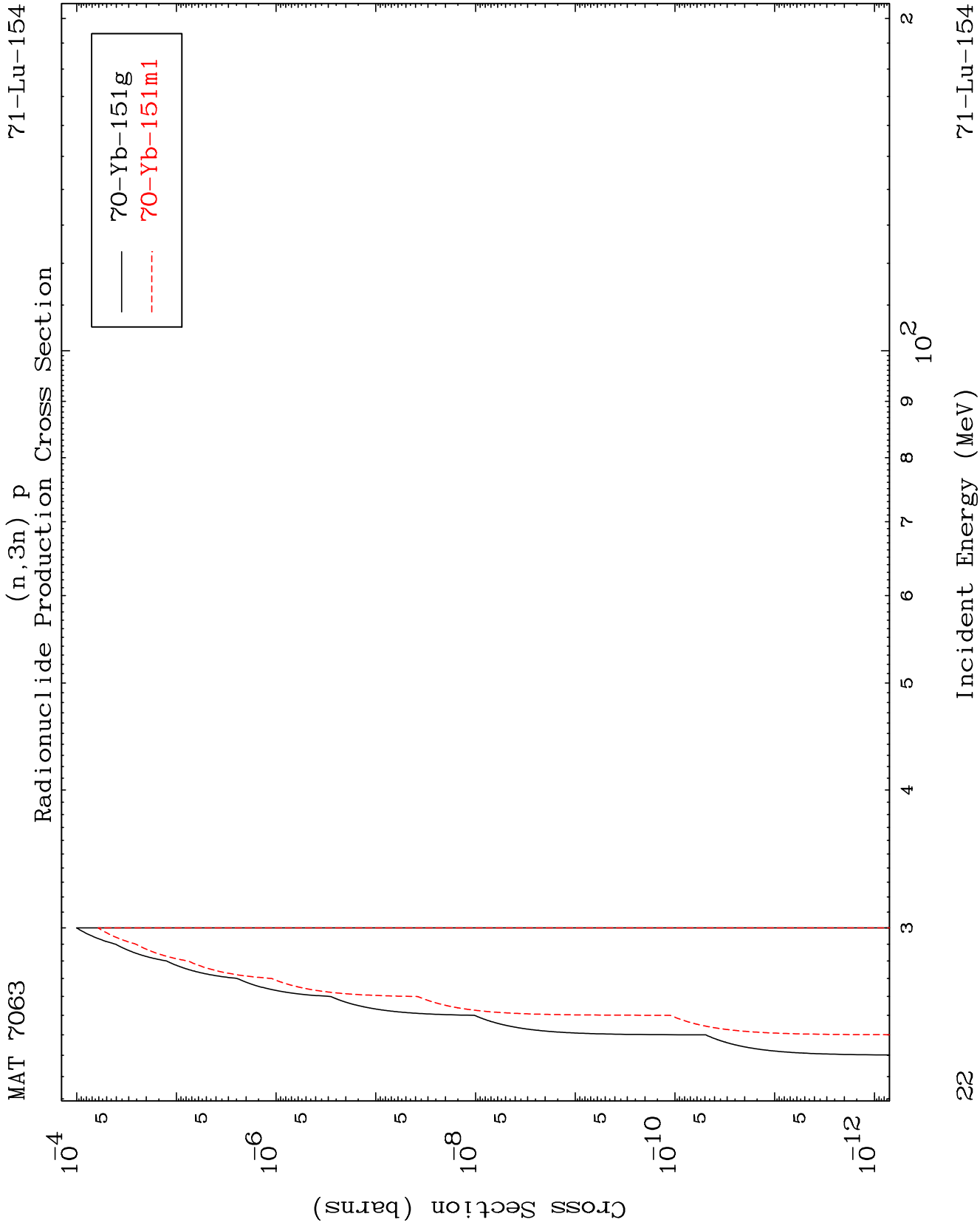
Radionuclide Production Cross Section



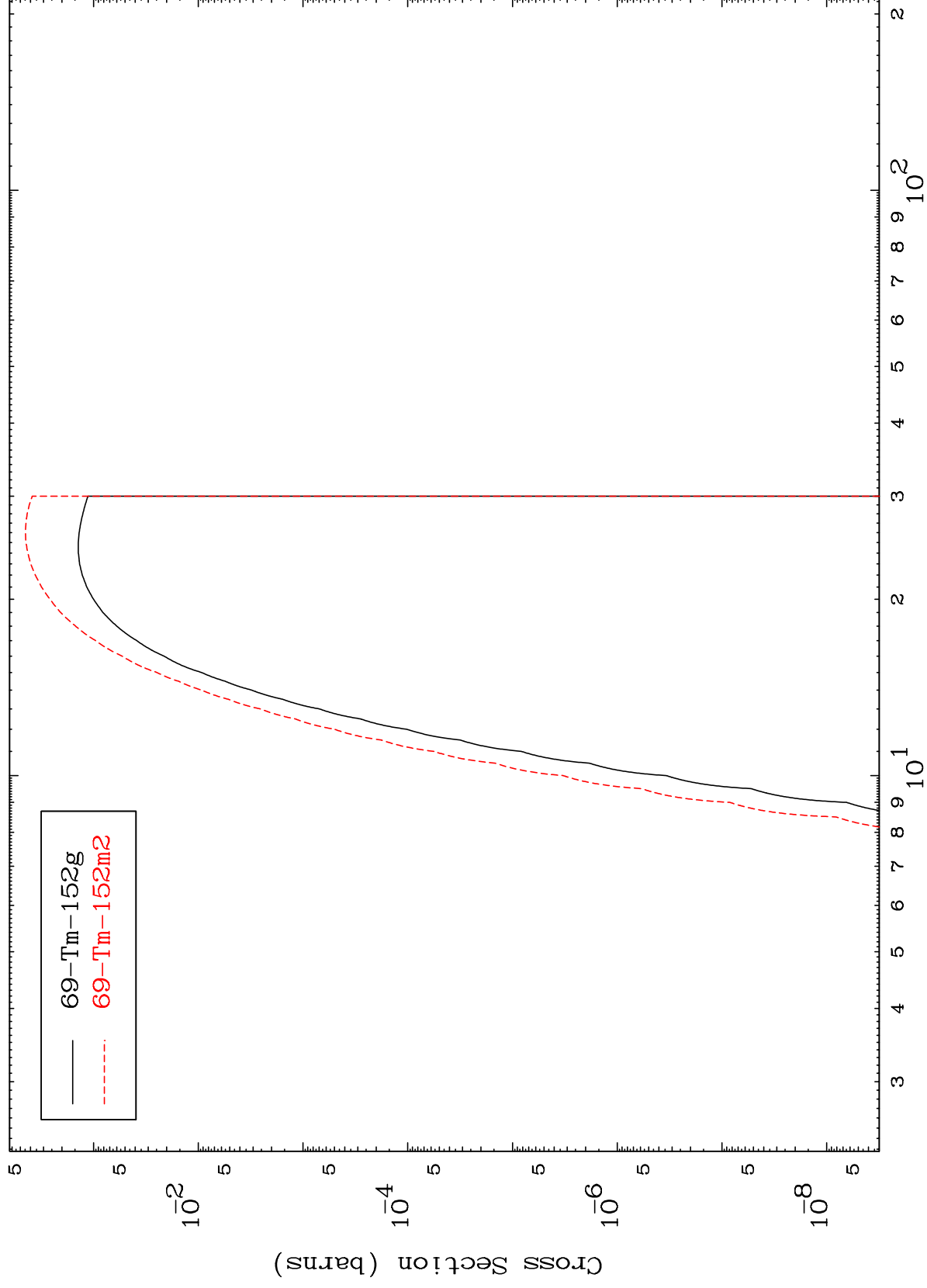
21

Incident Energy (MeV)

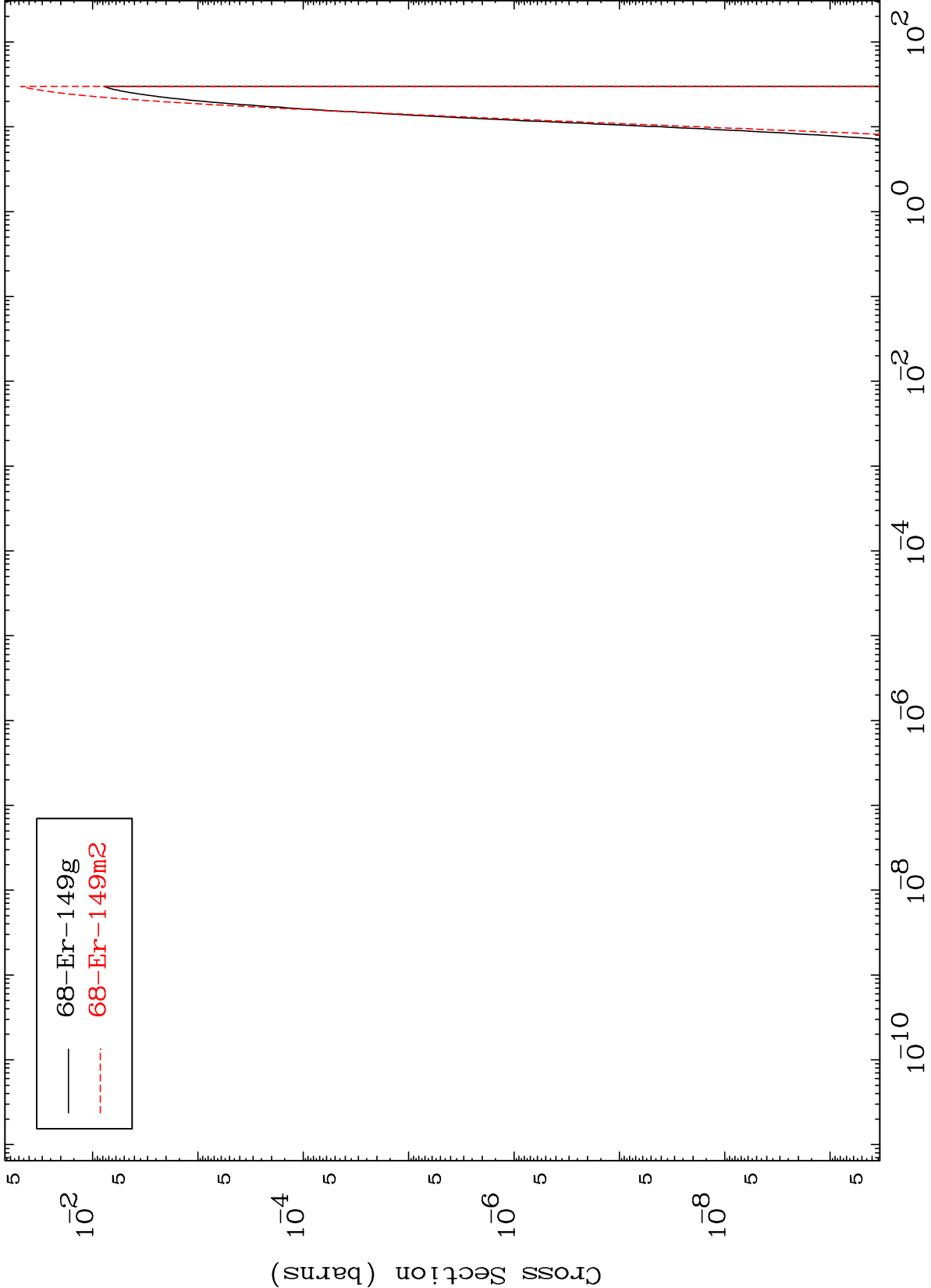
71-Lu-154



Radionuclide Production Cross Section



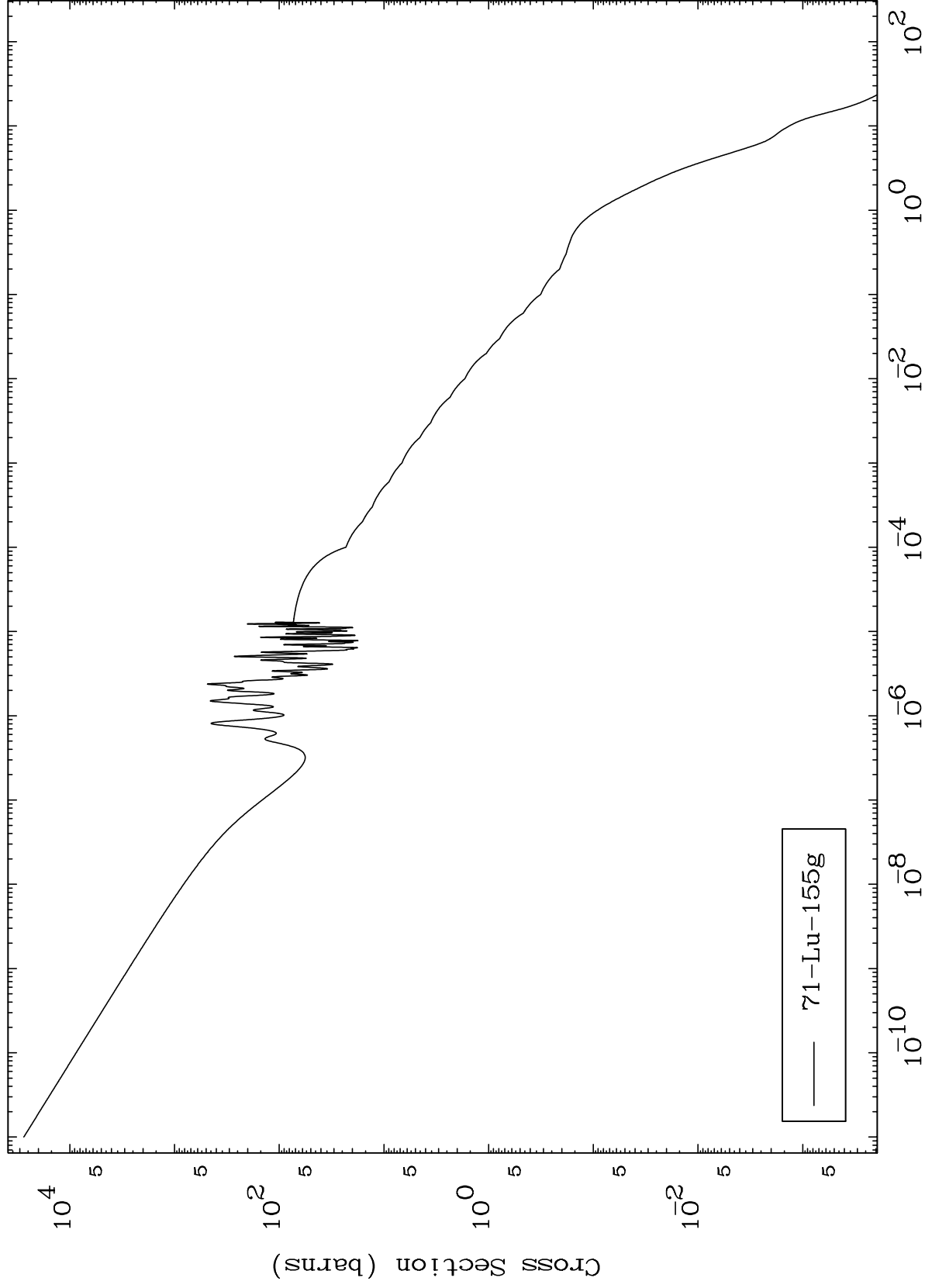
Radionuclide Production Cross Section



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71-Lu-154

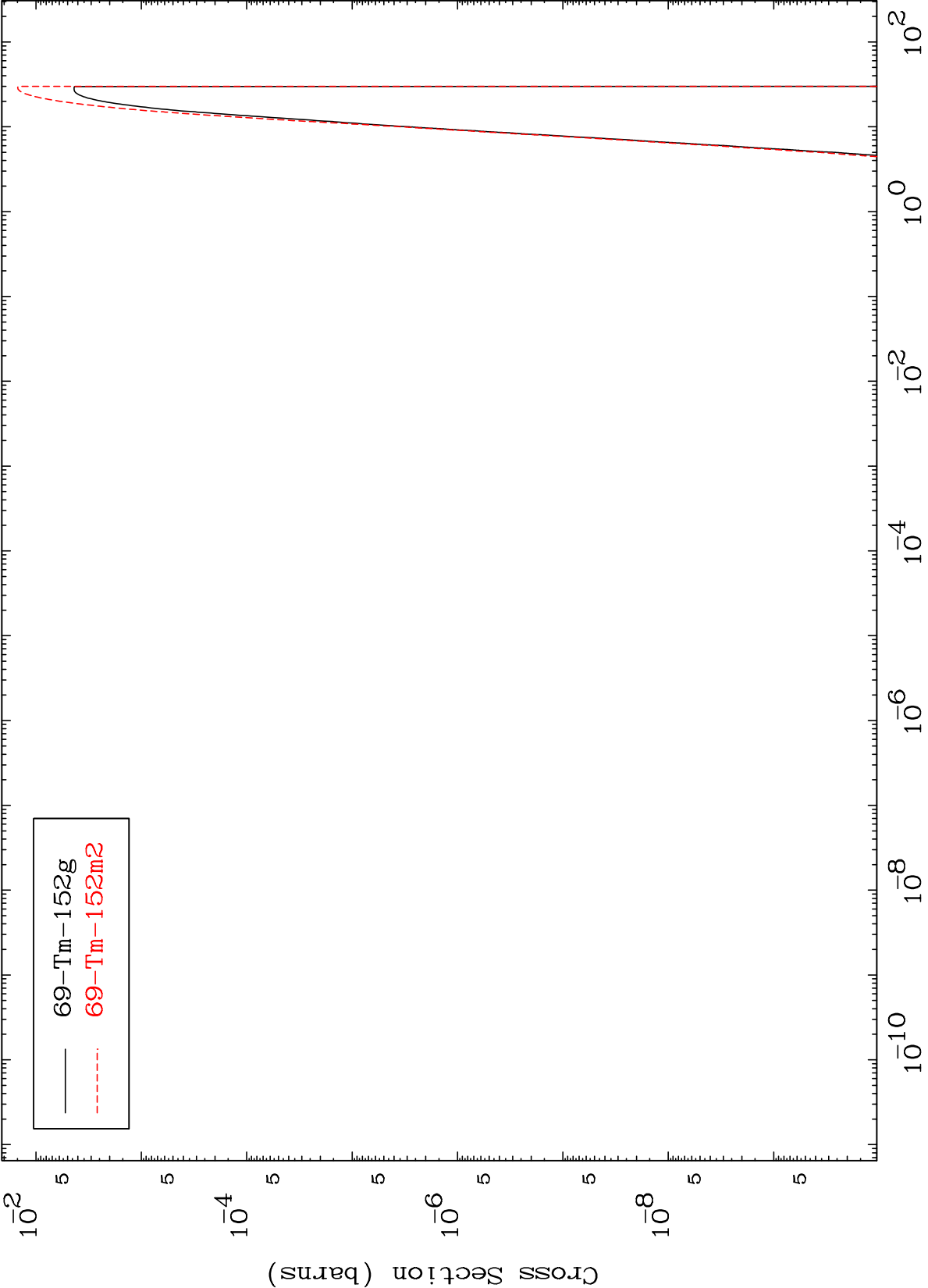
(n, γ)
Radionuclide Production Cross Section



25

71-Lu-154

Radionuclide Production Cross Section

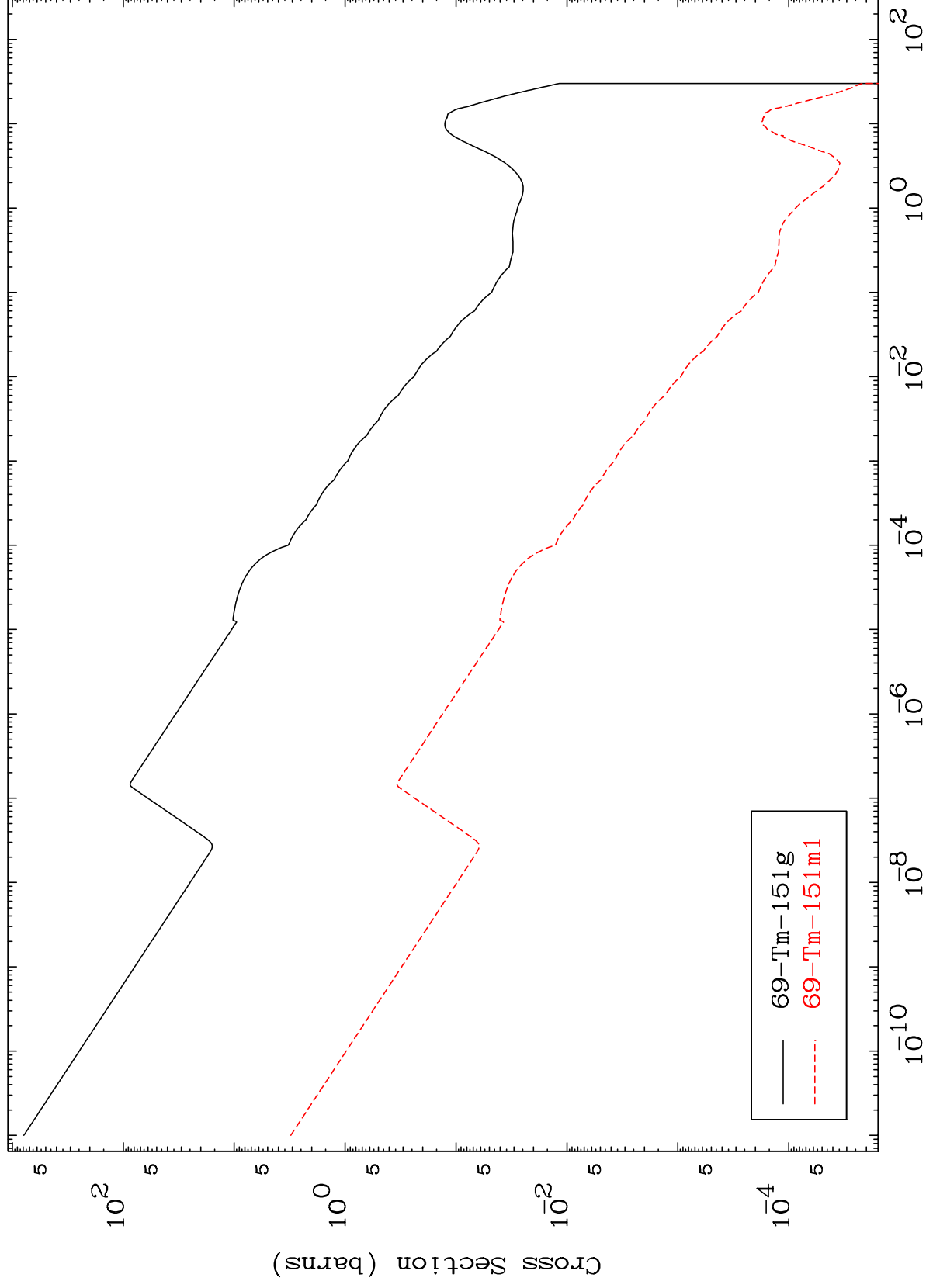


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71-Lu-154

Radionuclide Production Cross Section

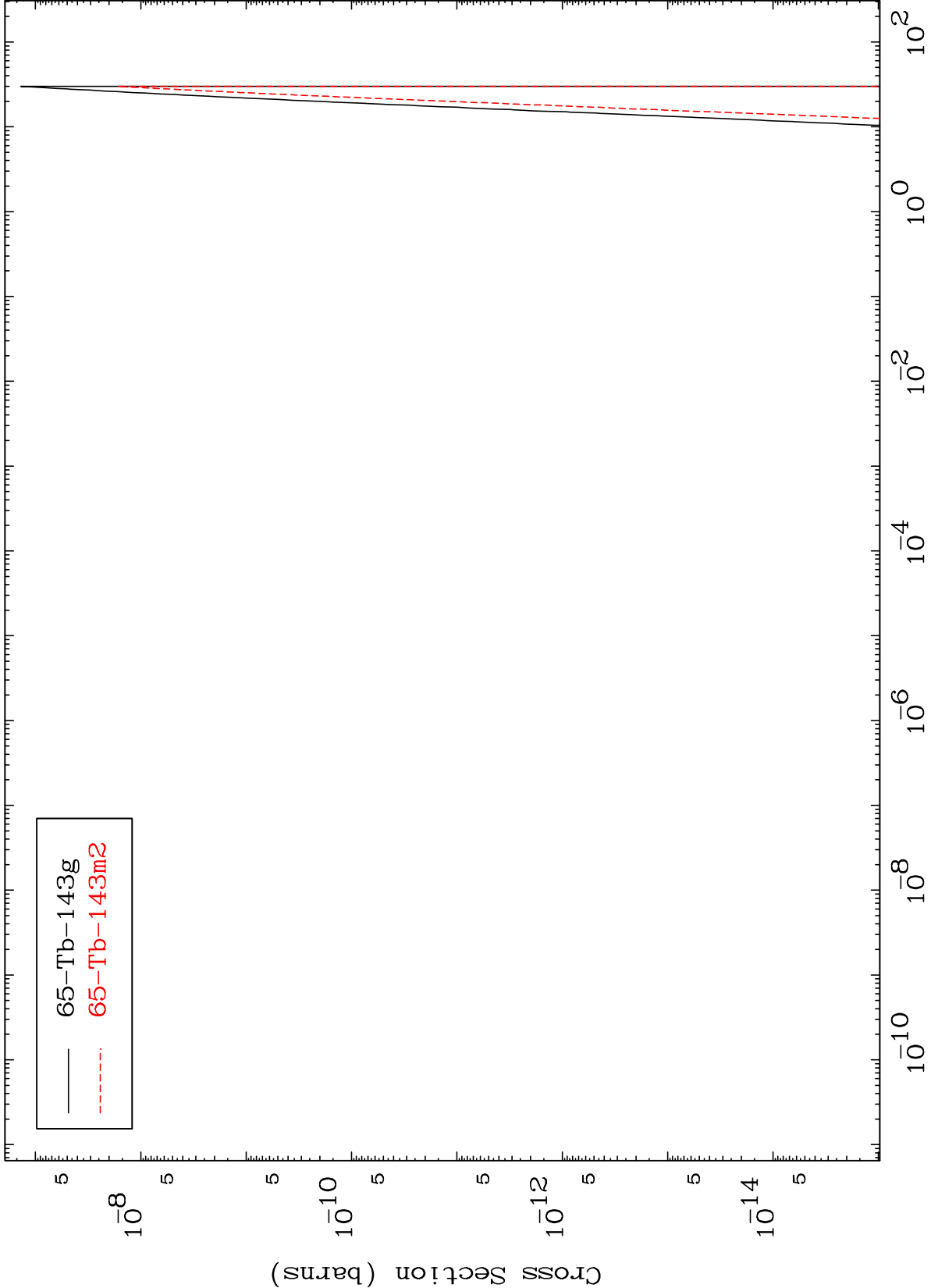
(n, α)



27

71-Lu-154

Radionuclide Production Cross Section

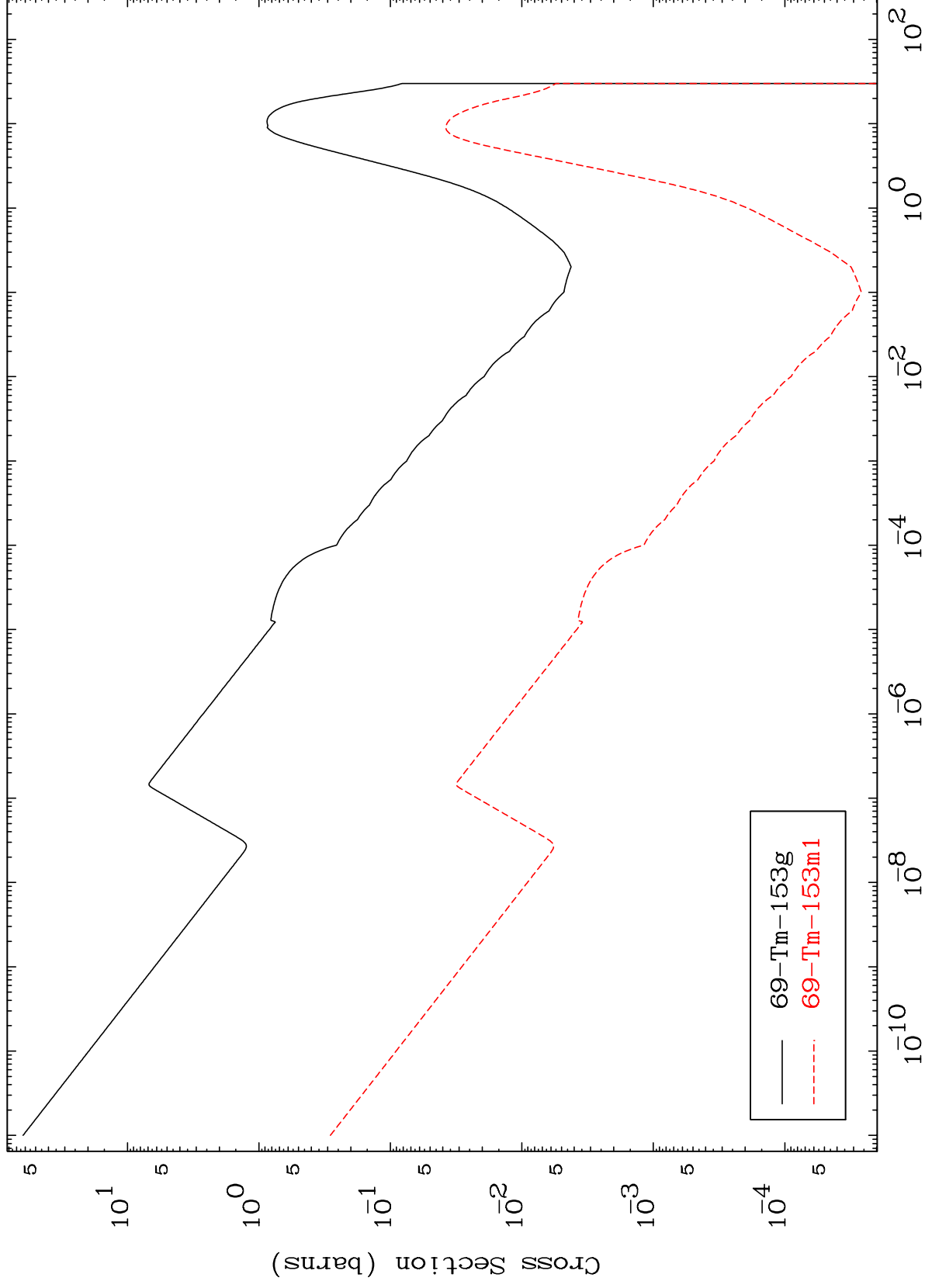


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(n,2p)

⁷¹Lu-154

Radionuclide Production Cross Section



29

Incident Energy (MeV)

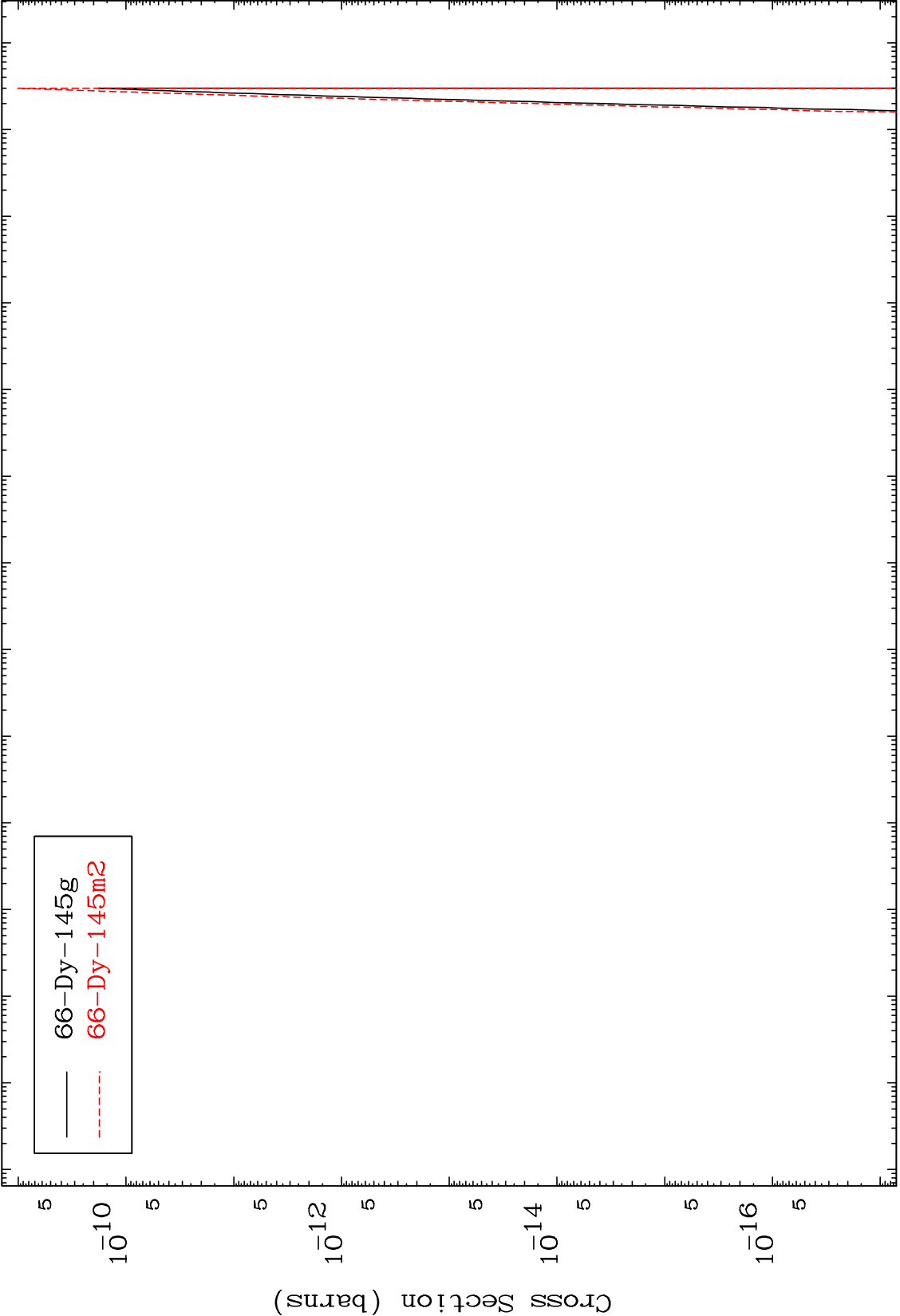
⁷¹Lu-154

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(n,d) 2α

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

Radionuclide Production Cross Section

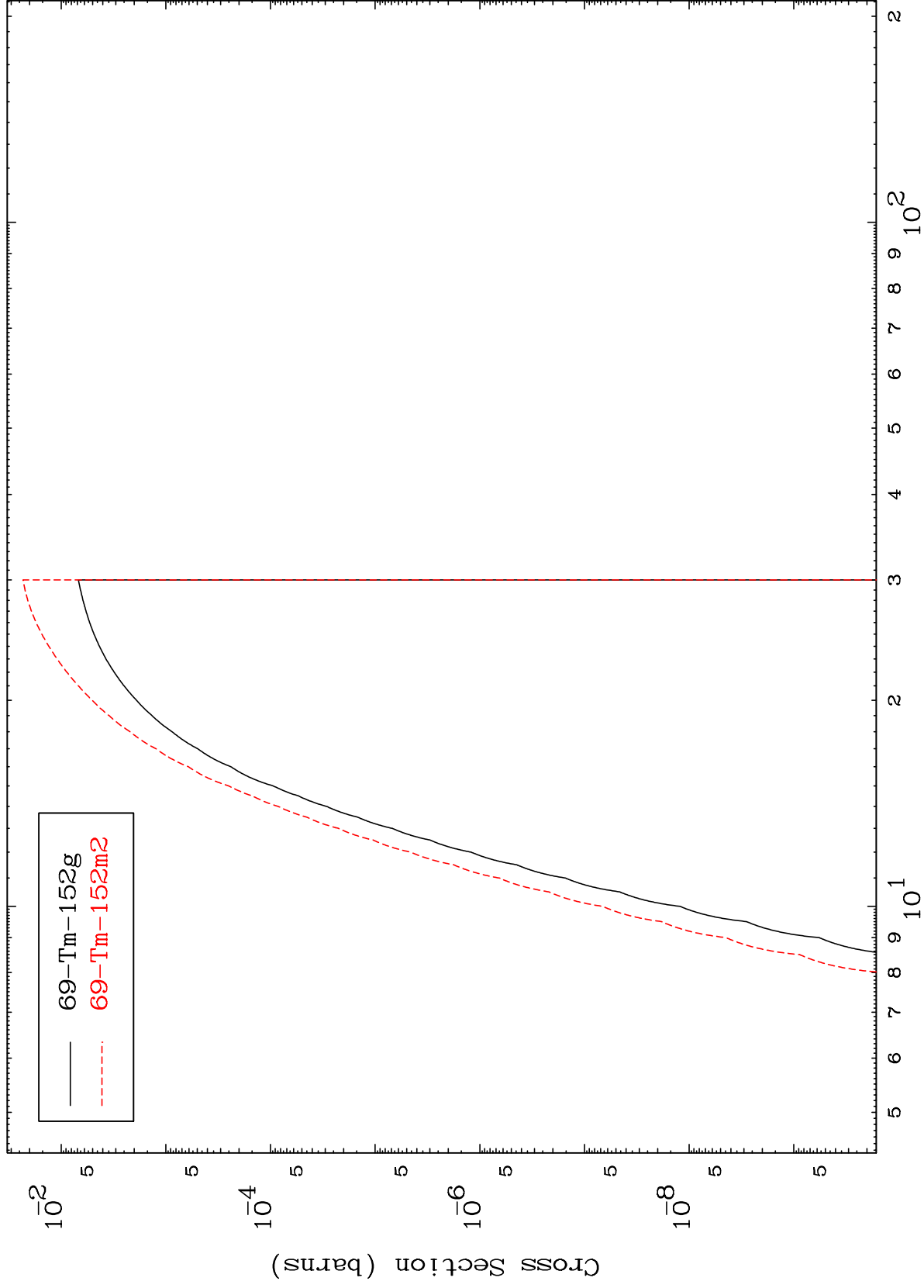


30

Incident Energy (MeV)

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

(n,p) d
Radionuclide Production Cross Section

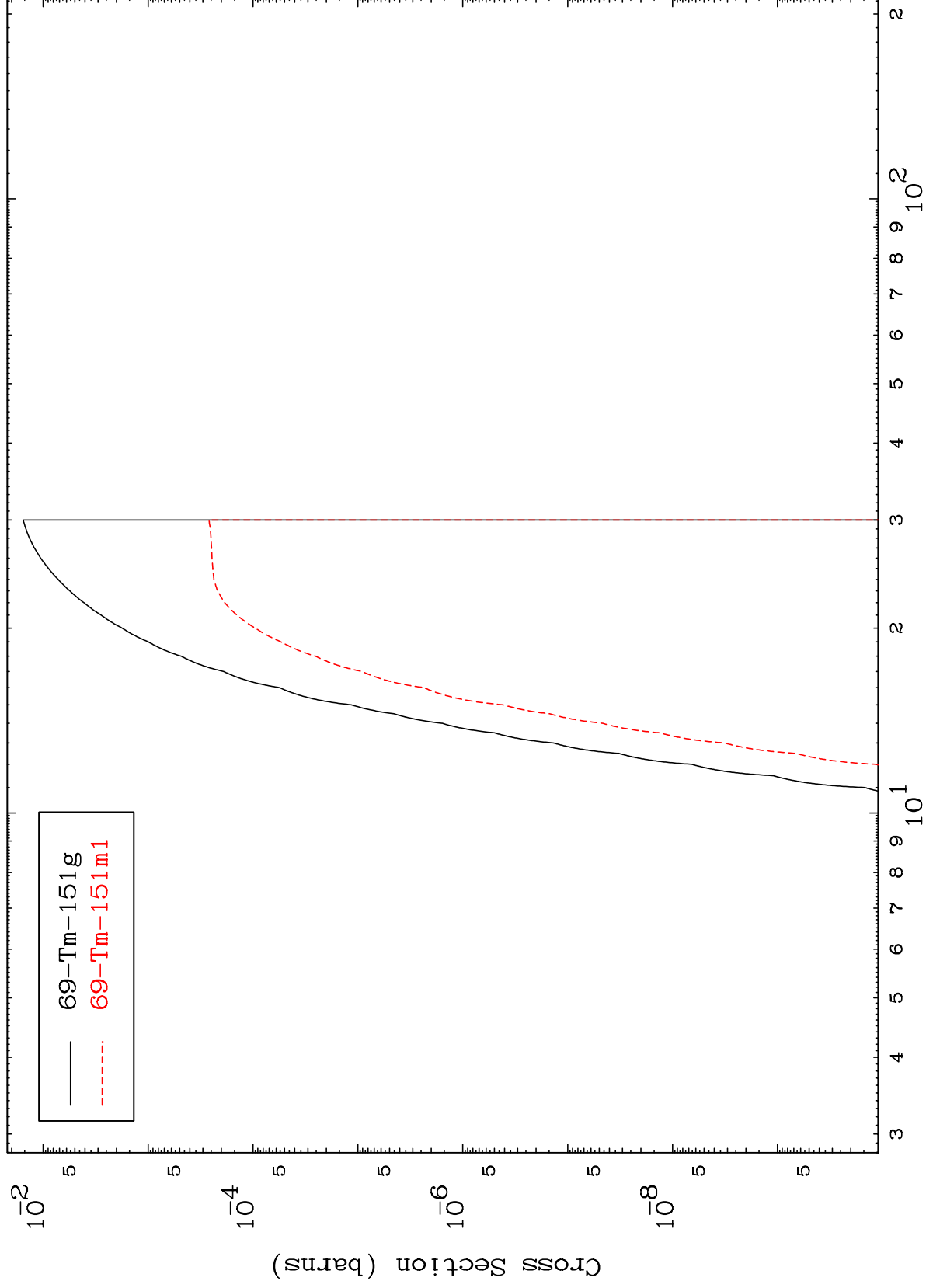


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(n,p) t

71-Lu-154

Radionuclide Production Cross Section



32

Incident Energy (MeV)

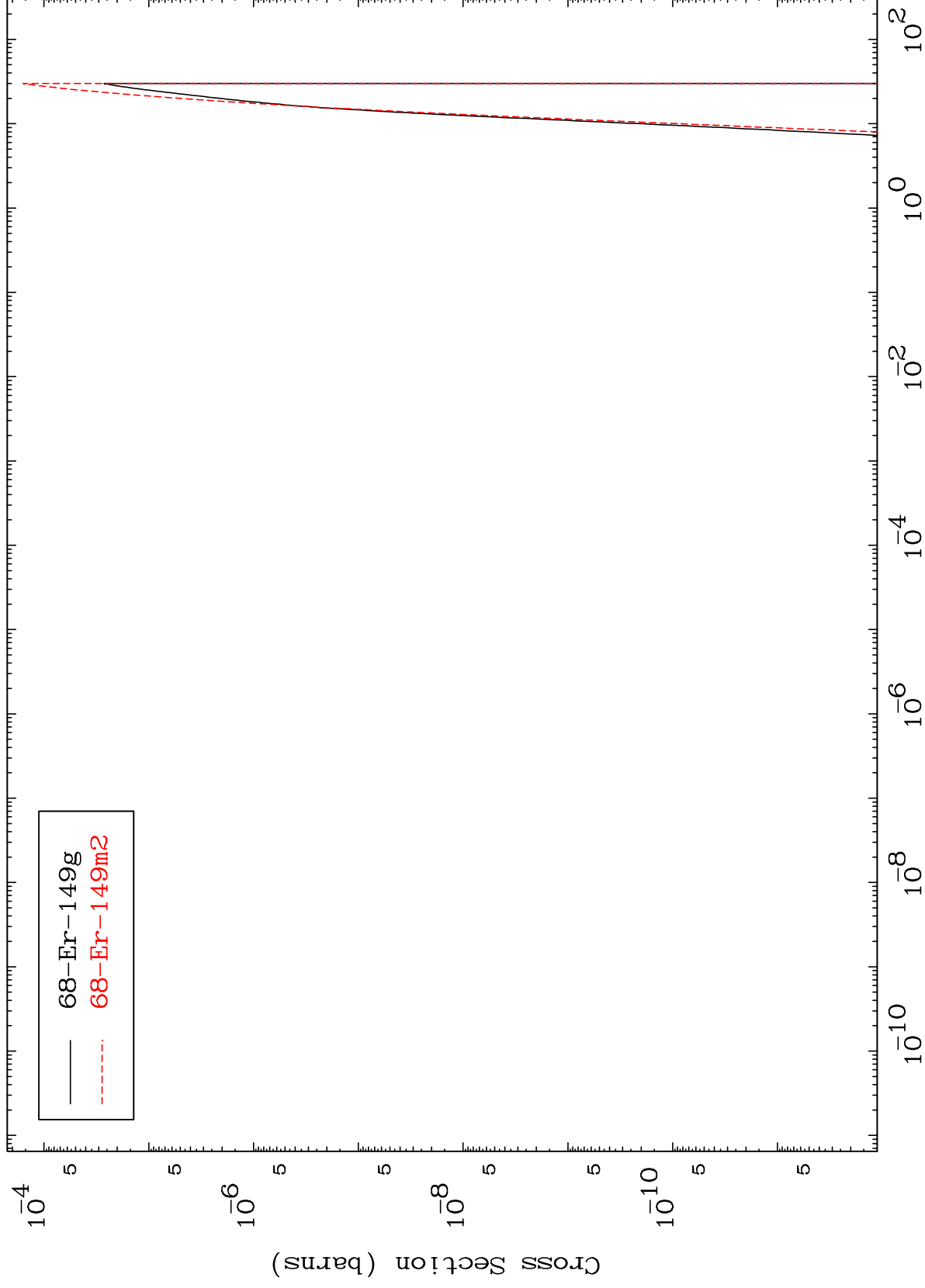
71-Lu-154

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(n,d) α

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

Radionuclide Production Cross Section



33

Incident Energy (MeV)

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