

Program EVALPLOT
(Version 2015-2)

by

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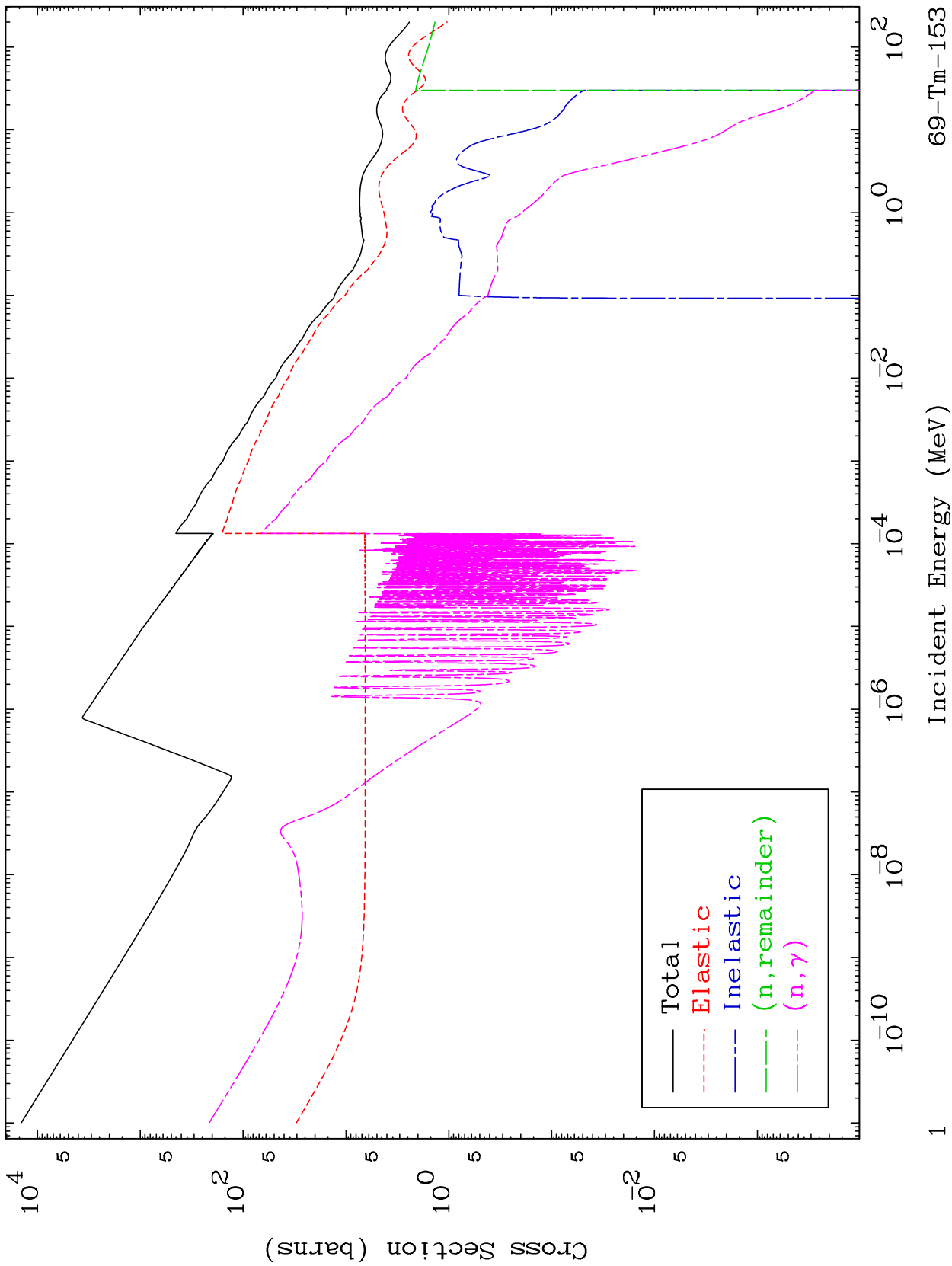
Press Mouse Button to Start

MAT 6878

Major

293 Kelvin Cross Sections

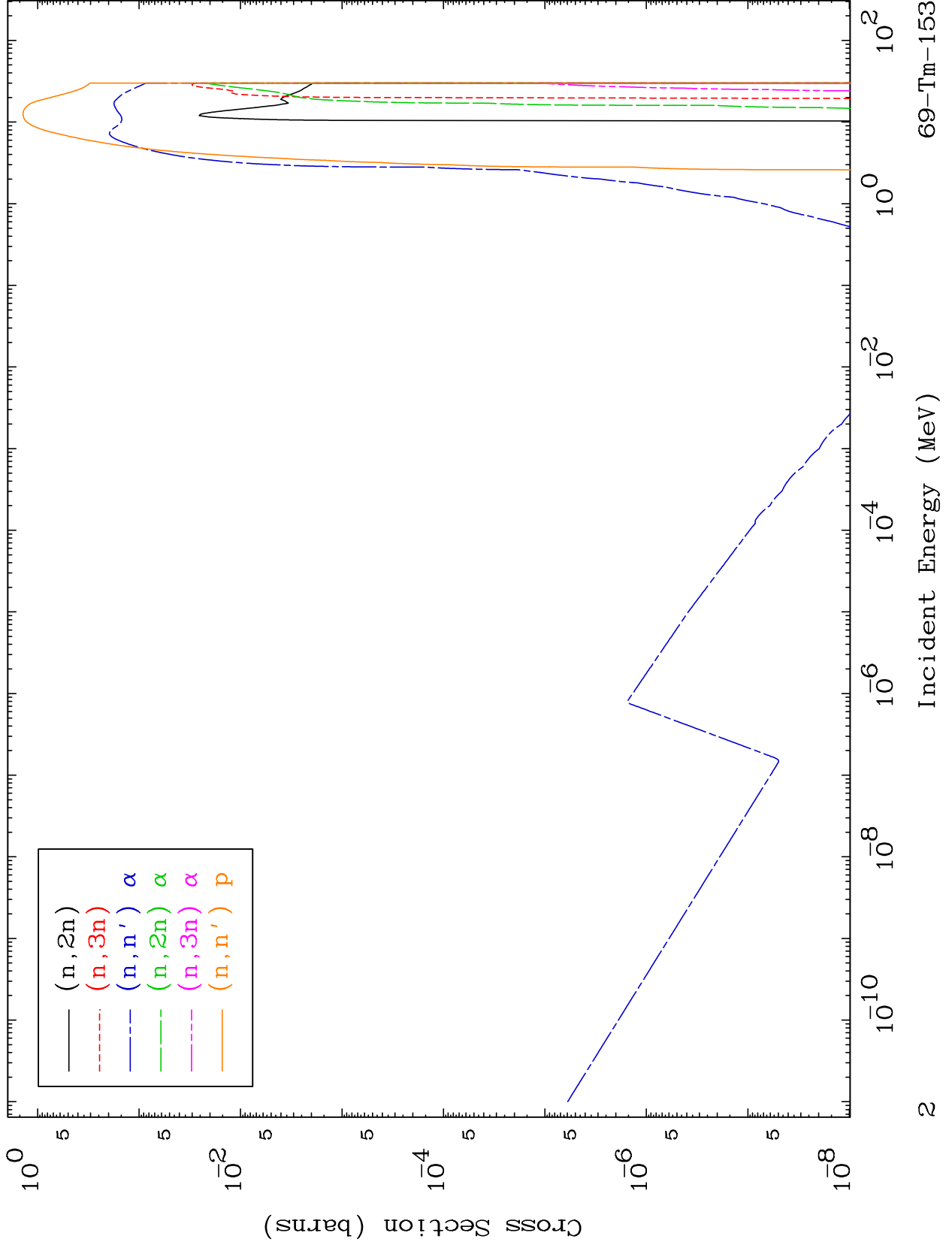
69-Tm-153



MAT 6878

Neutron Production
293 Kelvin Cross Sections

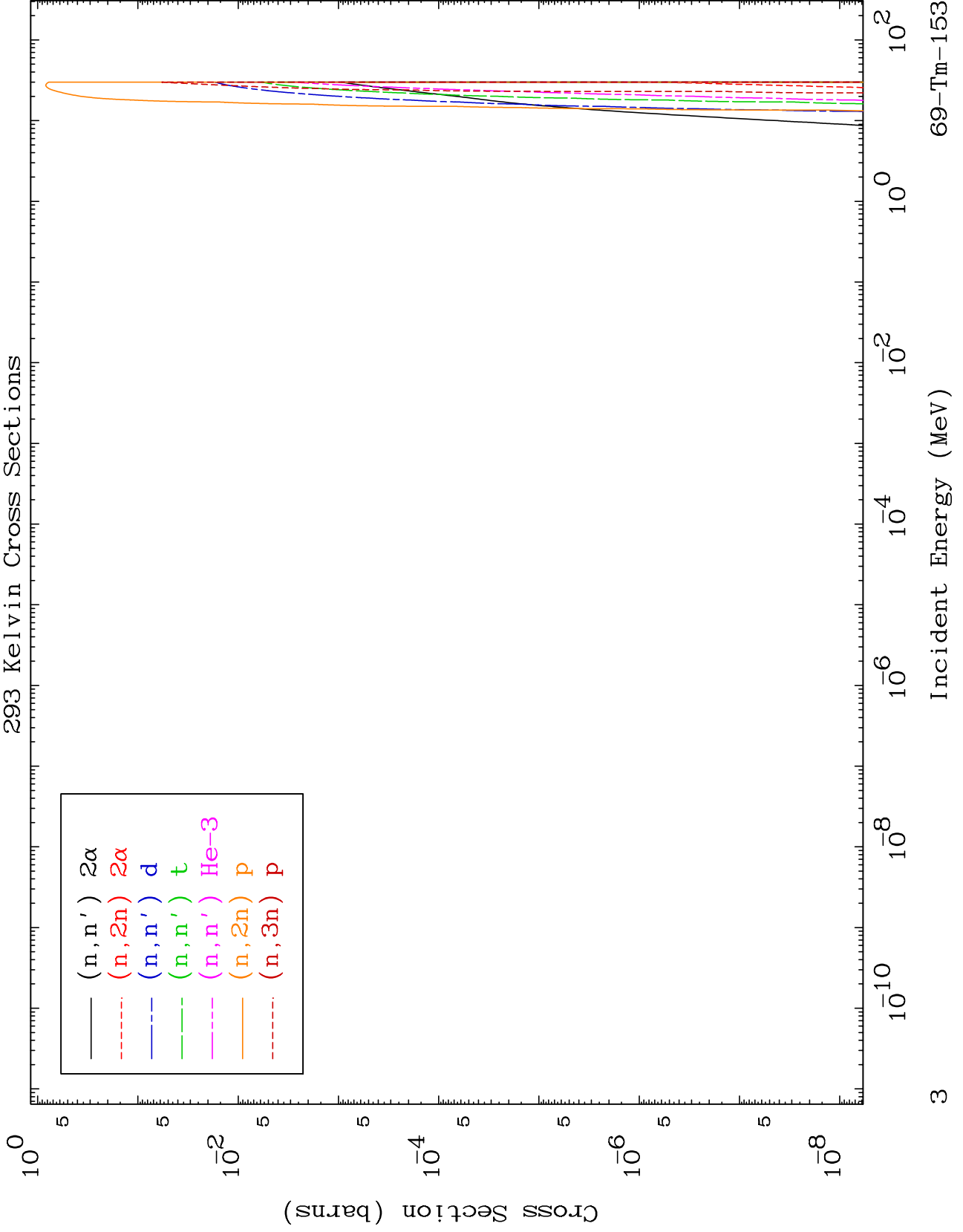
69-Tm-153



MAT 6878

Neutron Production
293 Kelvin Cross Sections

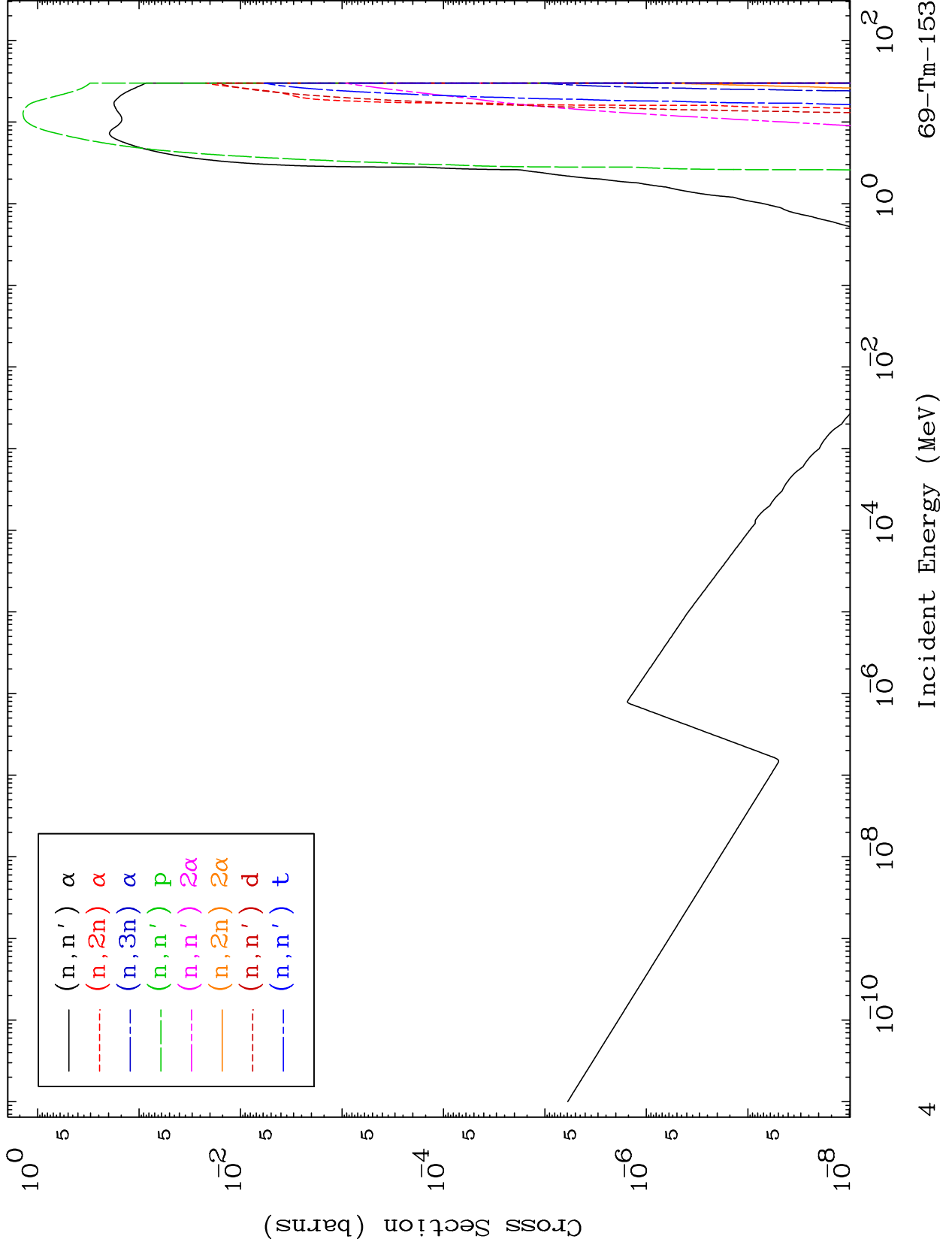
69-Tm-153



MAT 6878

Charged Particle
293 Kelvin Cross Sections

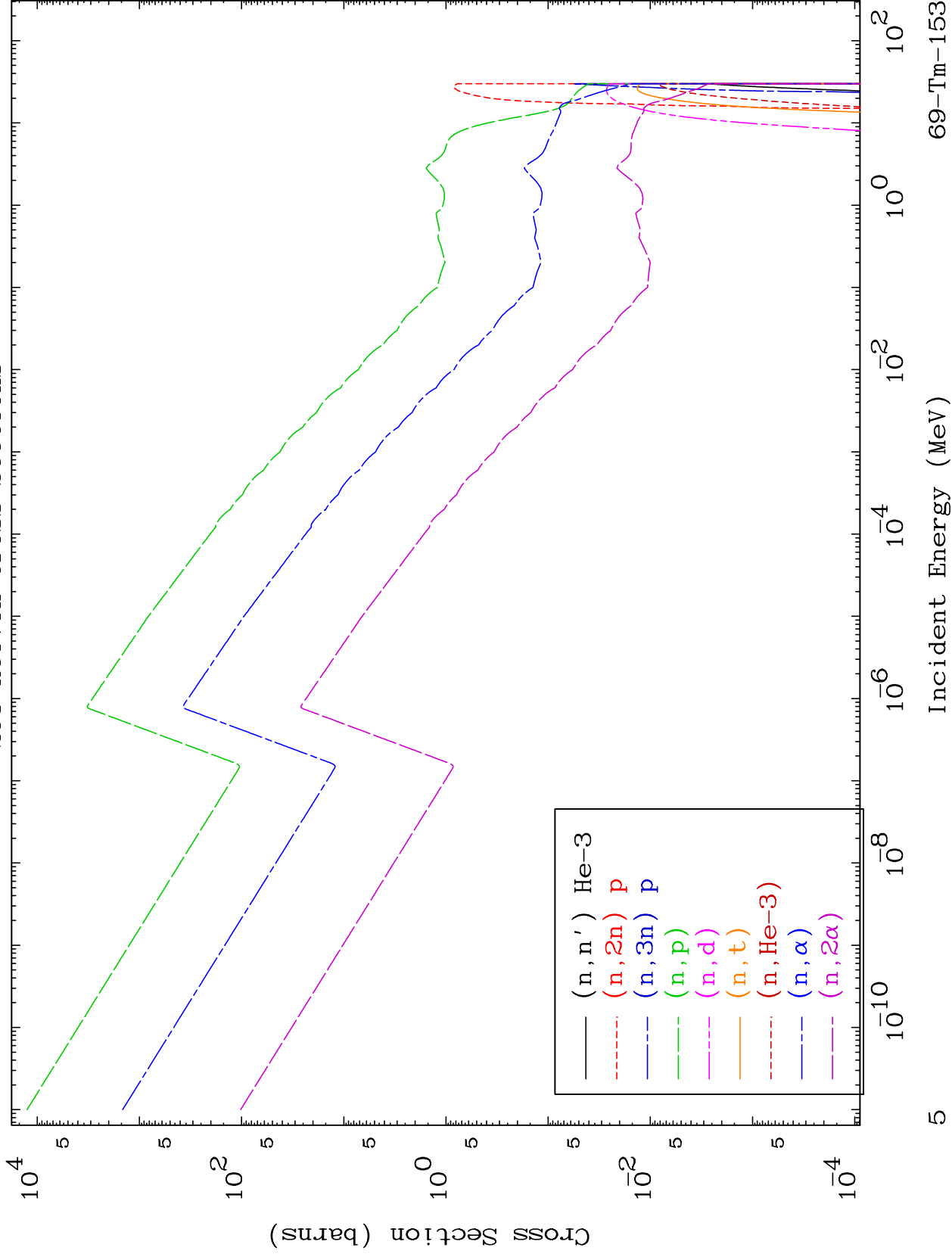
69-Tm-153



MAT 6878

Charged Particle
293 Kelvin Cross Sections

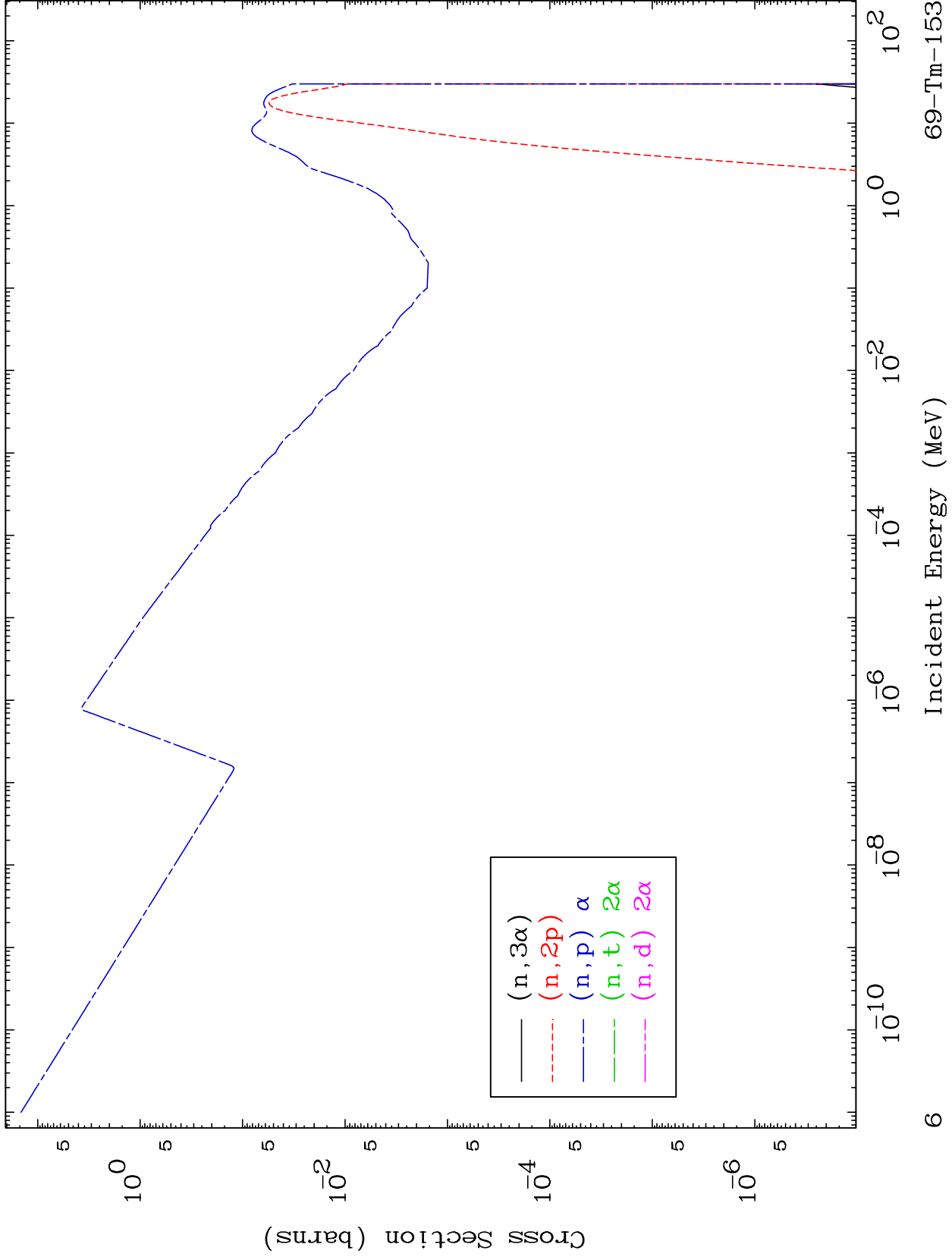
69-Tm-153



MAT 6878

Charged Particle
293 Kelvin Cross Sections

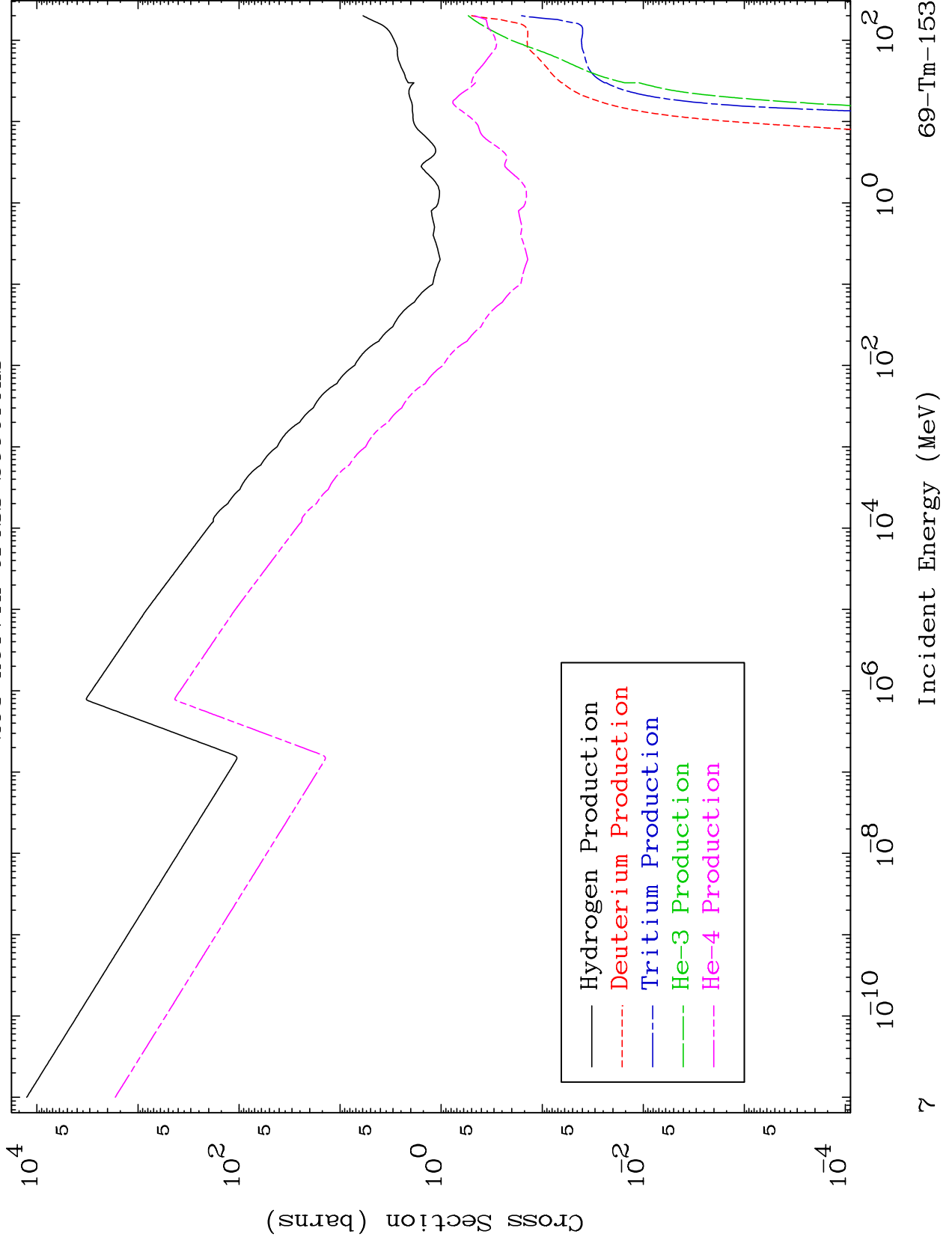
69-Tm-153



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Particle Production
293 Kelvin Cross Sections

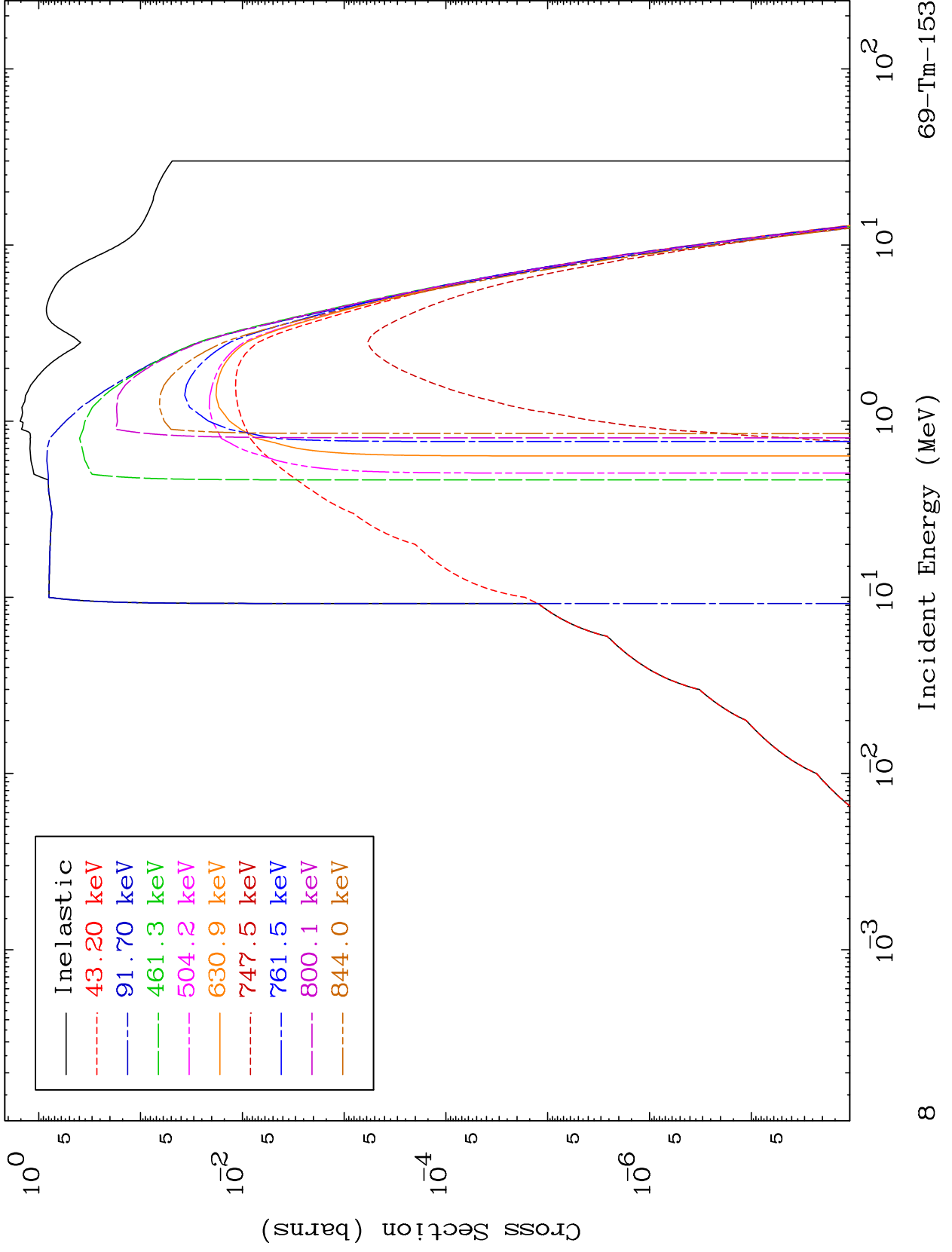
69-Tm-153



MAT 6878

(n,n') Level
293 Kelvin Cross Sections

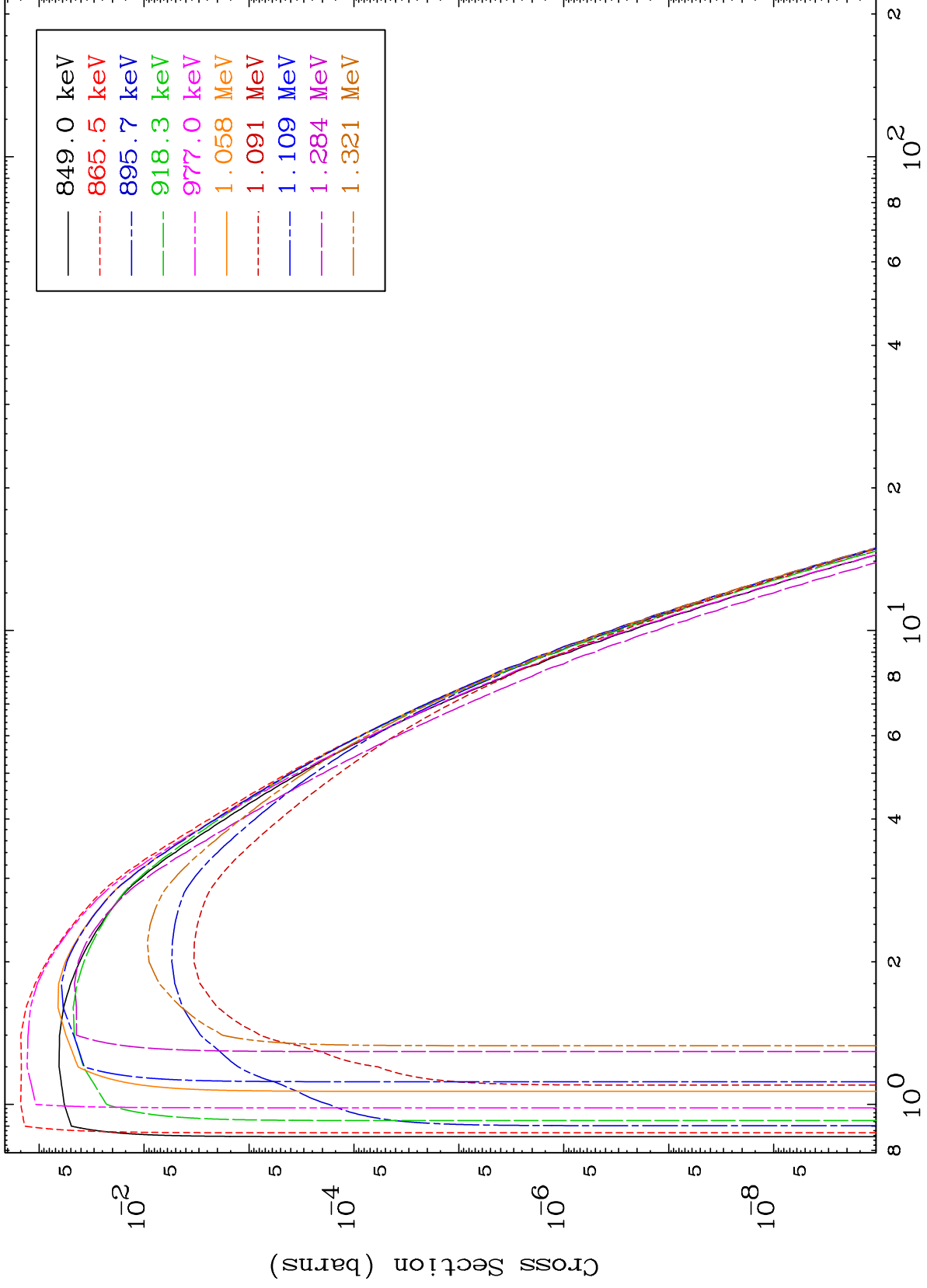
69-Tm-153



MAT 6878

(n,n') Level
293 Kelvin Cross Sections

69-Tm-153



9

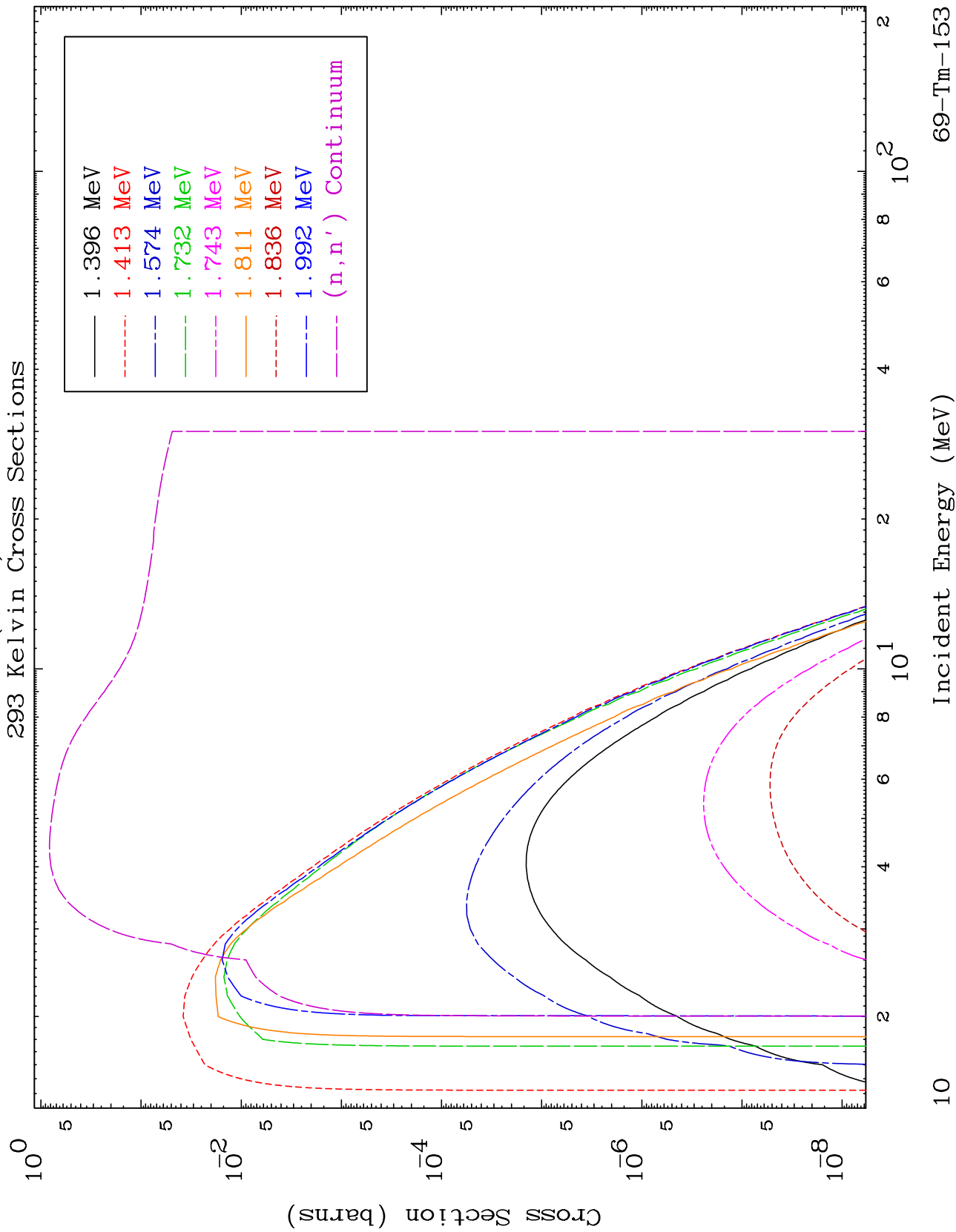
Incident Energy (MeV)

69-Tm-153

MAT 6878

(n,n') Level

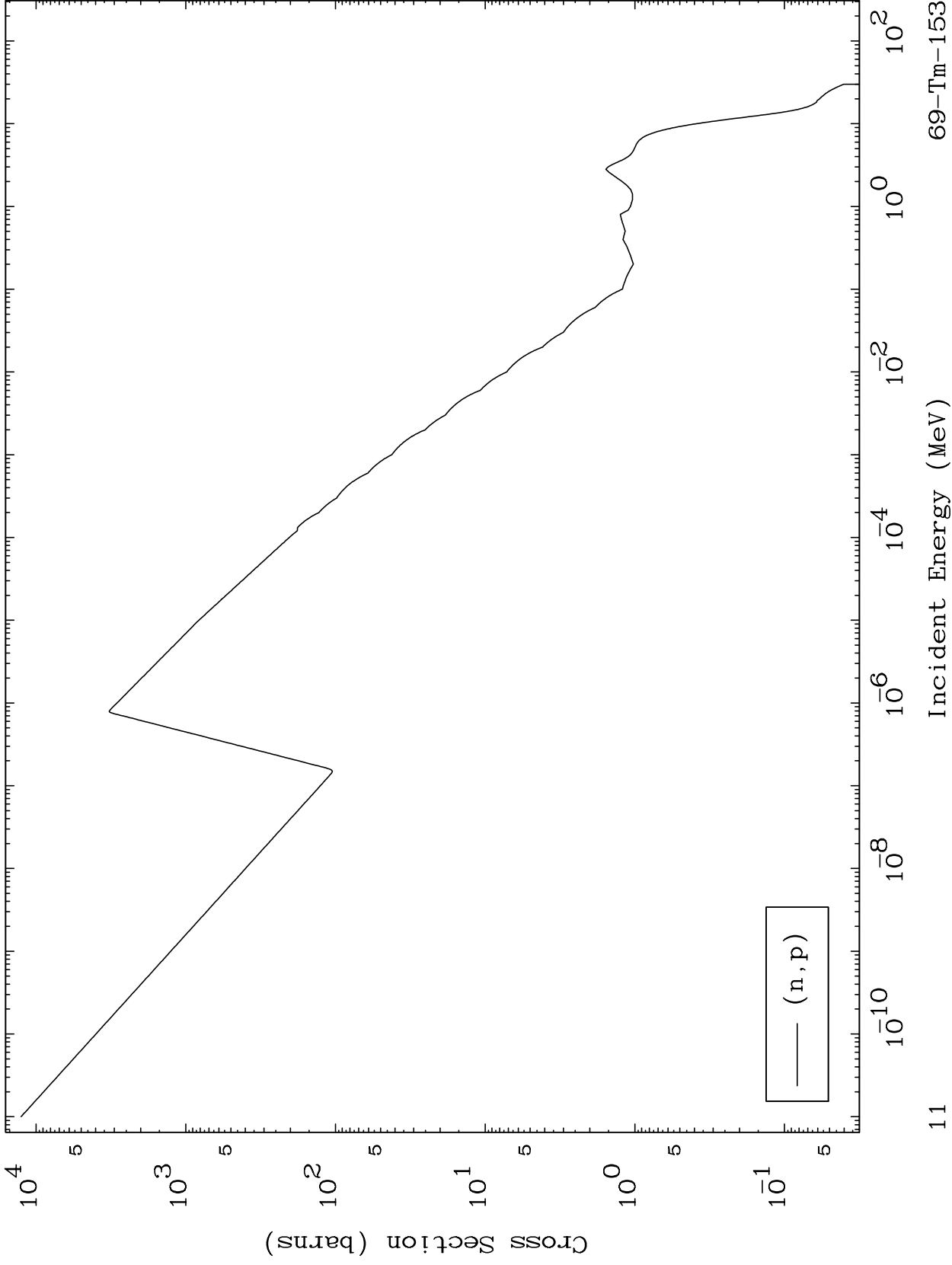
69-Tm-153



MAT 6878

(n,p) Levels
293 Kelvin Cross Sections

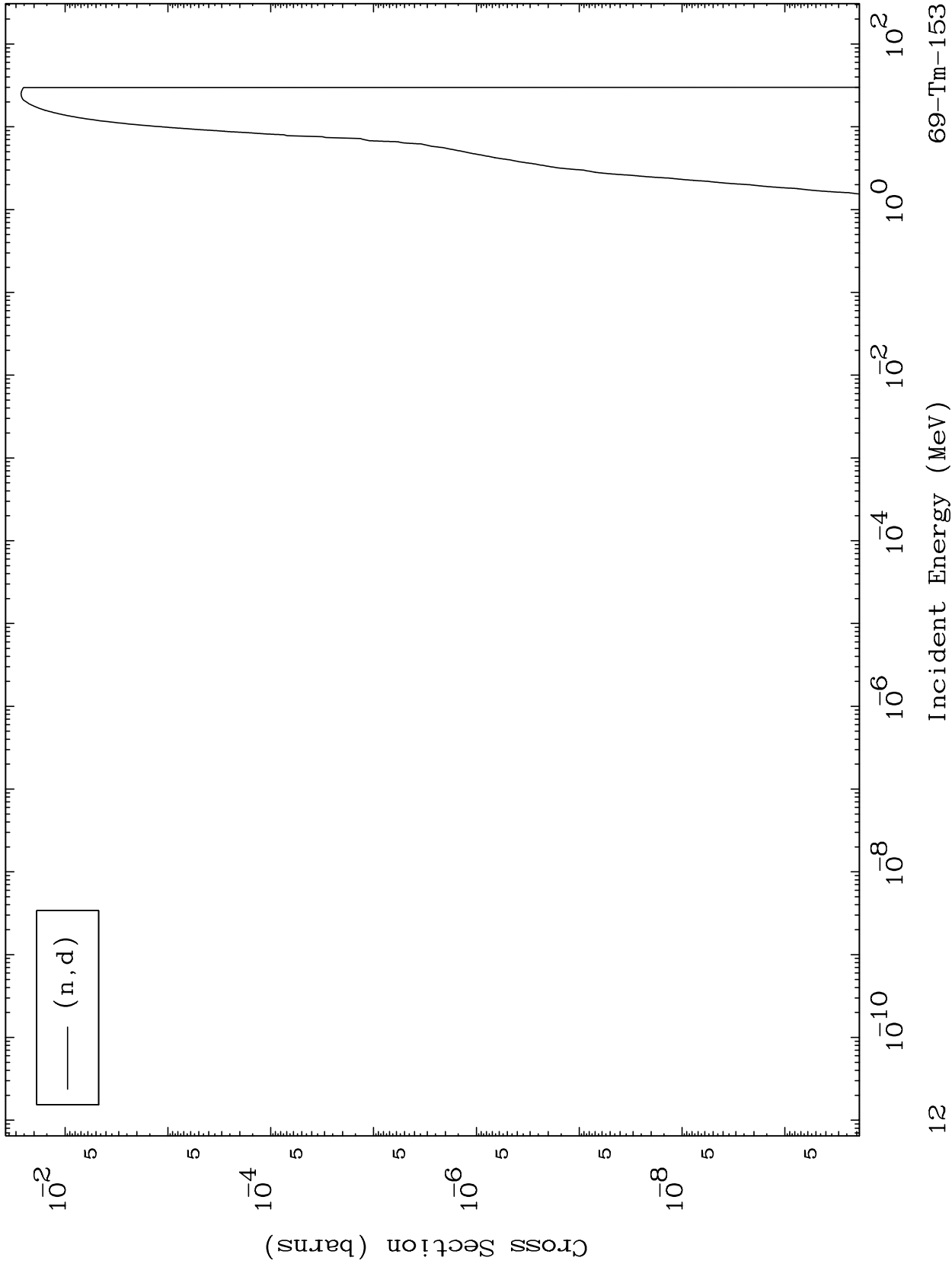
69-Tm-153



MAT 6878

(n,d) Levels
293 Kelvin Cross Sections

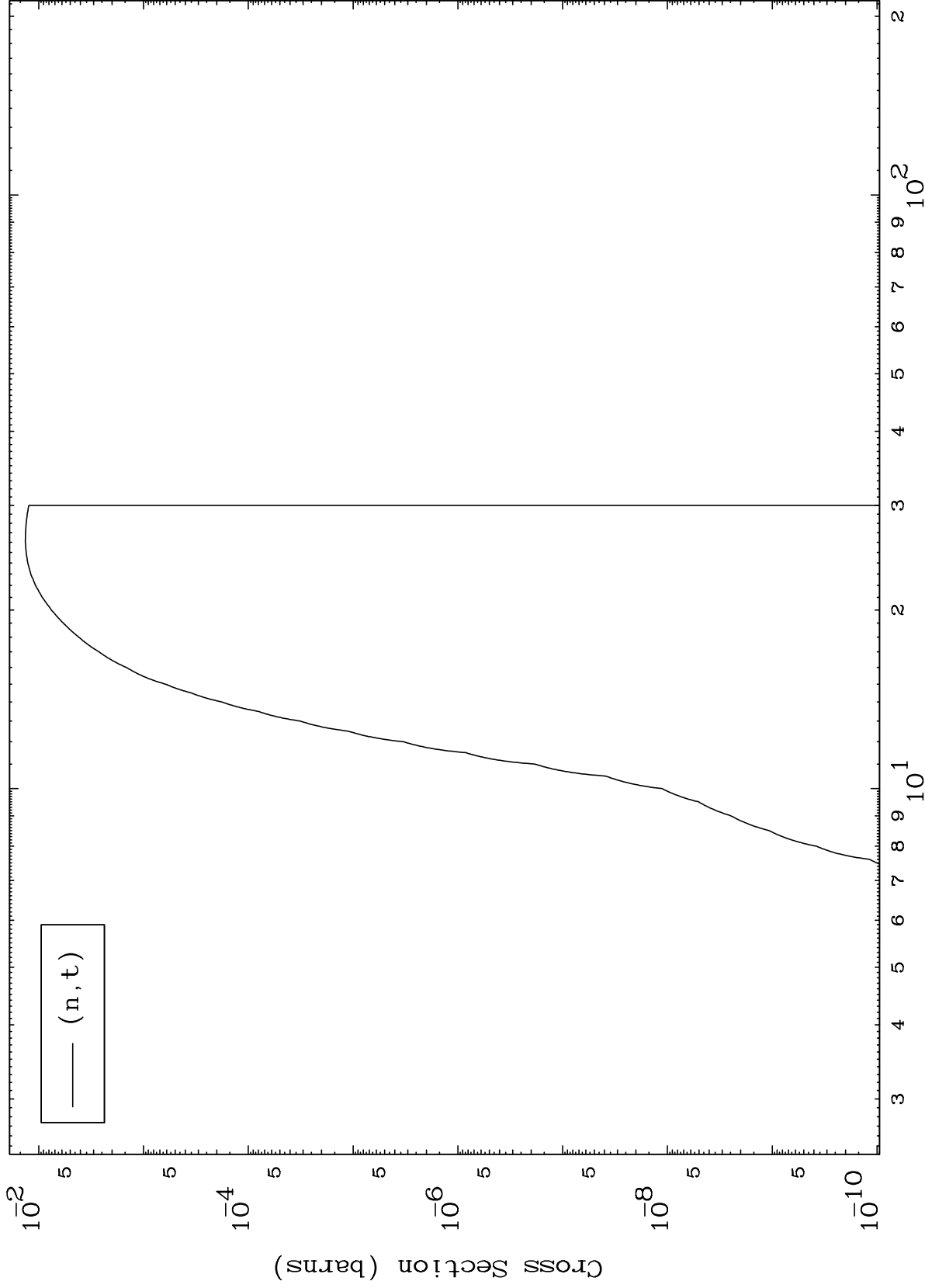
69-Tm-153



MAT 6878

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-153



13

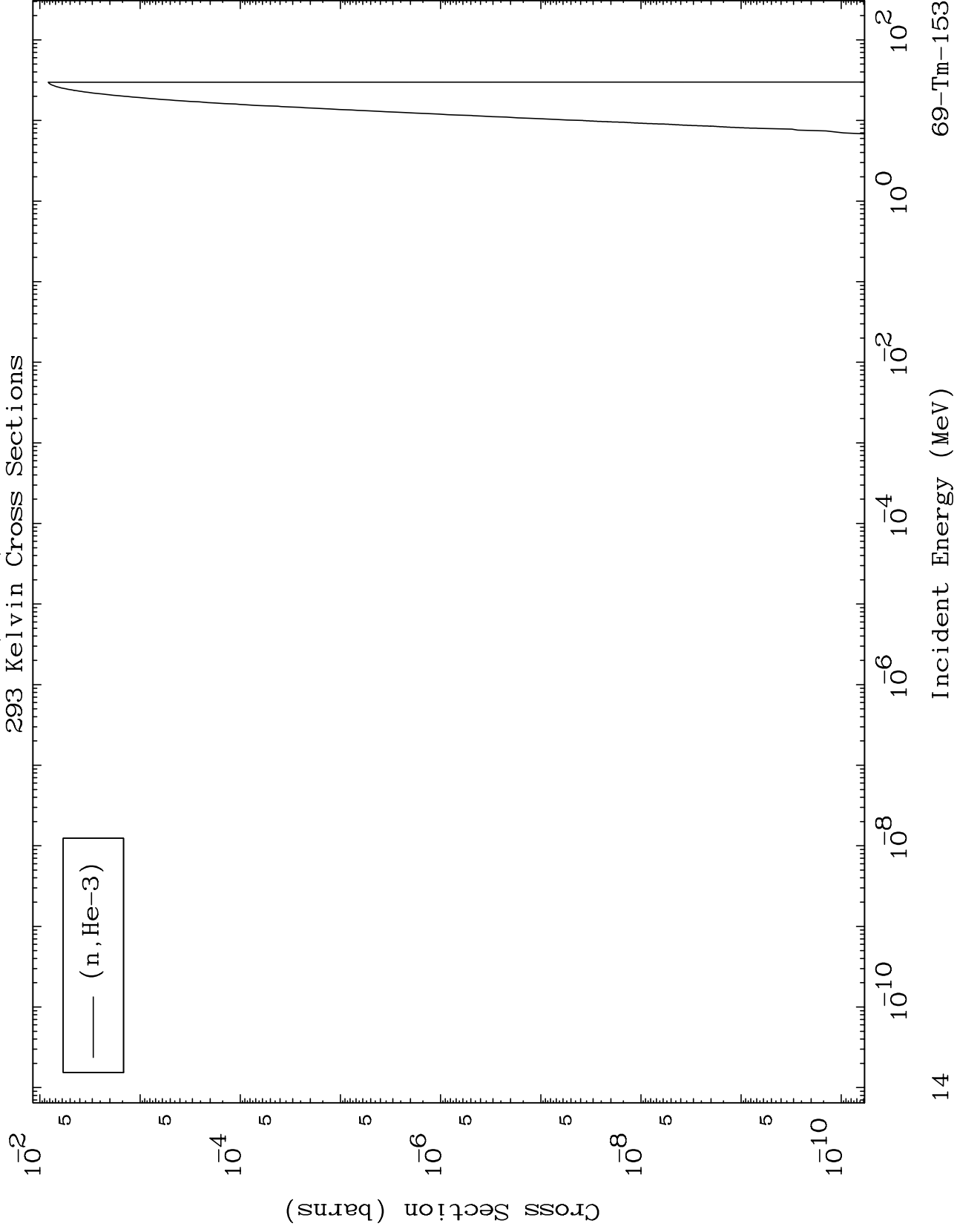
Incident Energy (MeV)

69-Tm-153

MAT 6878

(n,He3) Levels
293 Kelvin Cross Sections

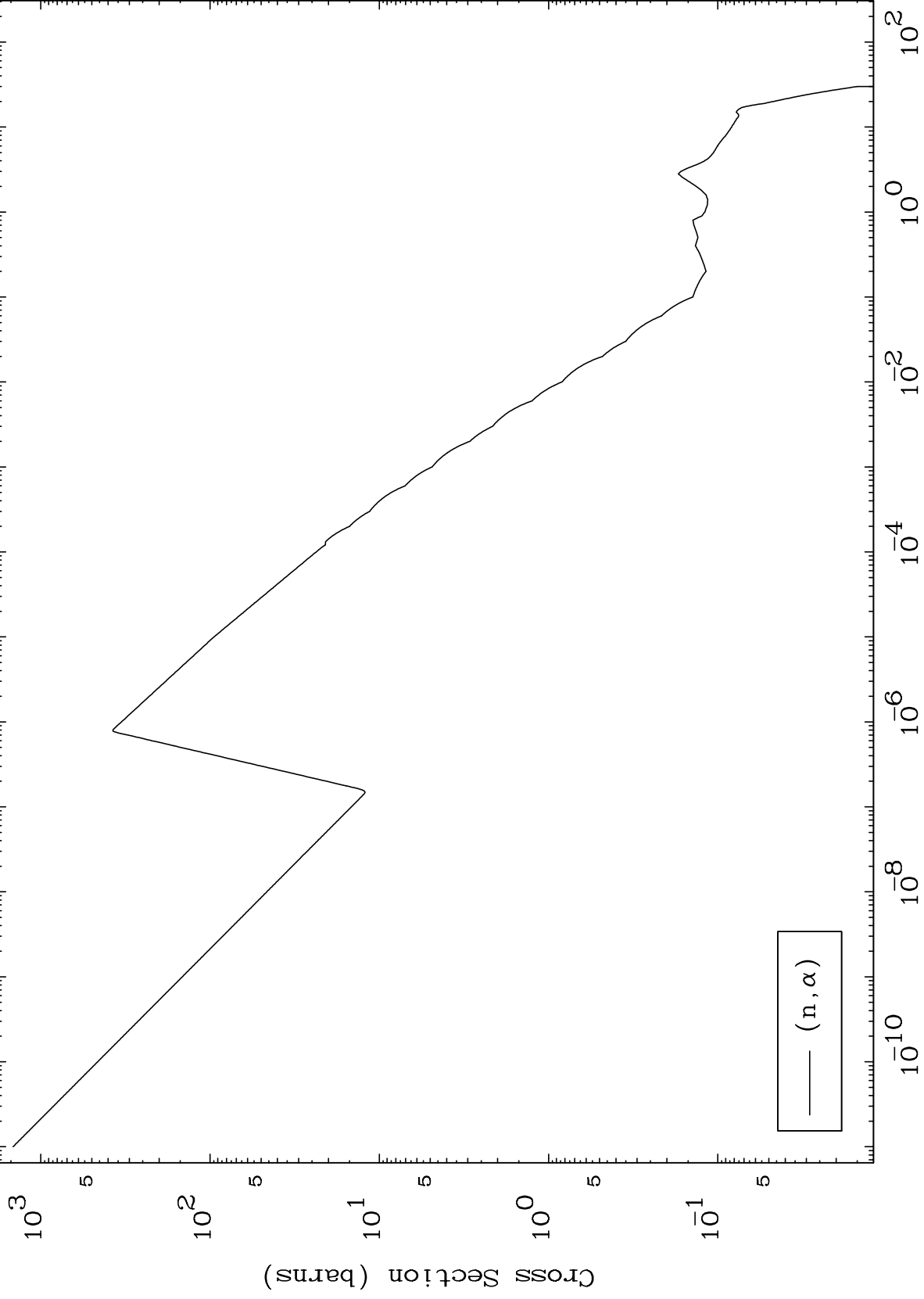
69-Tm-153



MAT 6878

(n,α) Levels
293 Kelvin Cross Sections

69-Tm-153



15

Incident Energy (MeV)

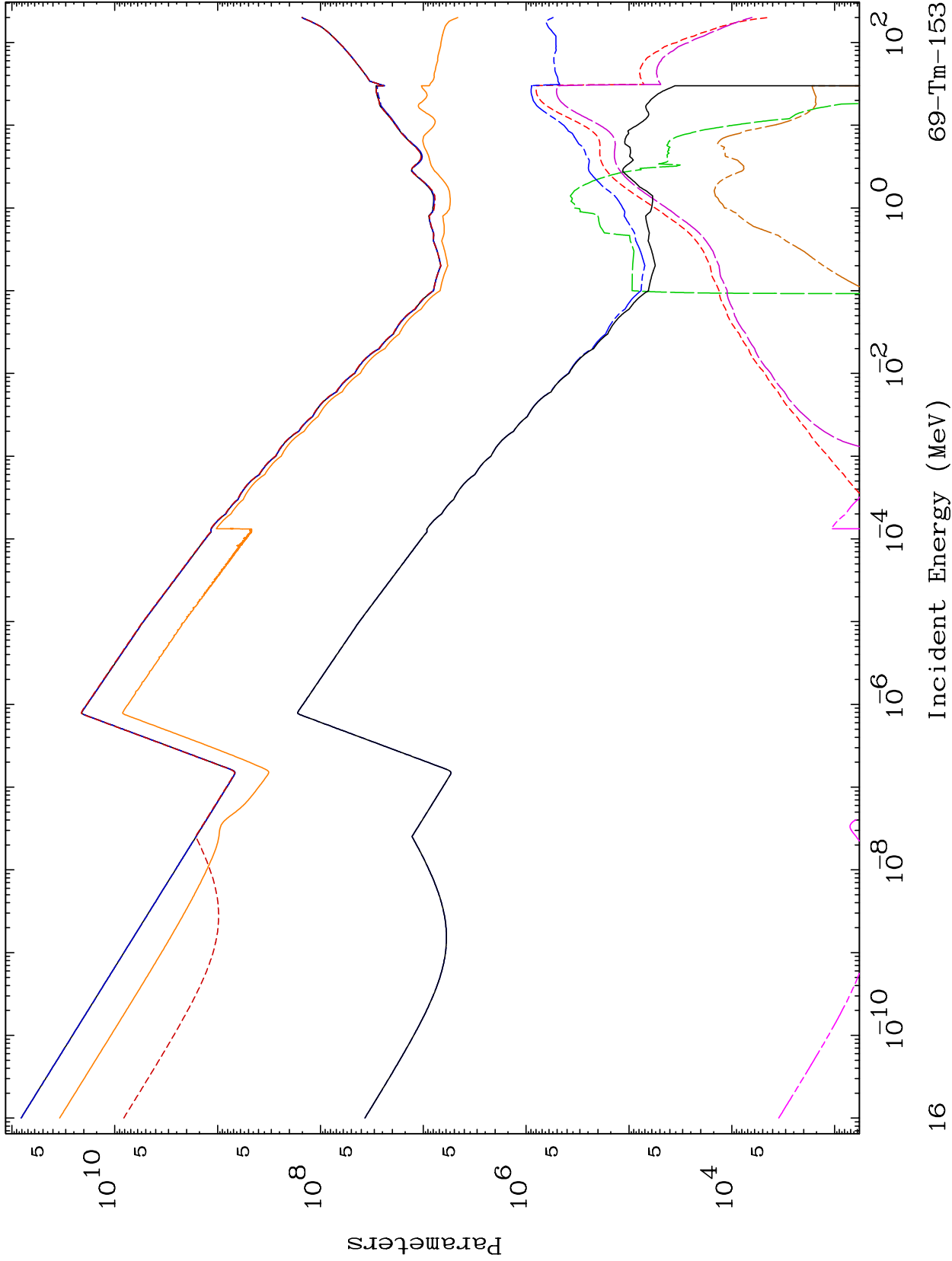
69-Tm-153

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Energy Release
Parameters

- Dpa elastic (mt2)
- Dpa inelastic (mt51-91)
- Dpa disappearance (mt102 -120)

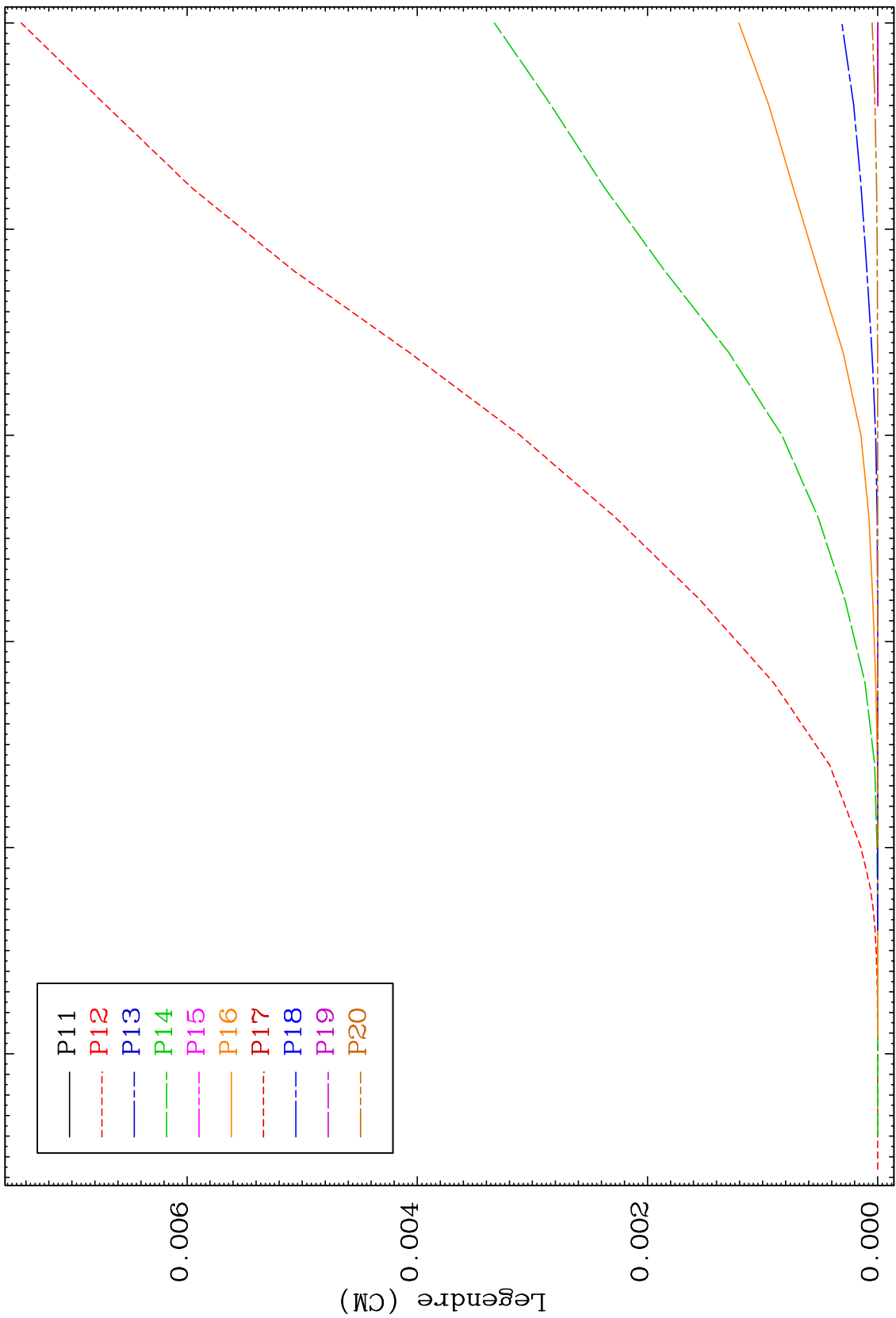
69-Tm-153



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Elastic Legendre Coefficients

69-Tm-153



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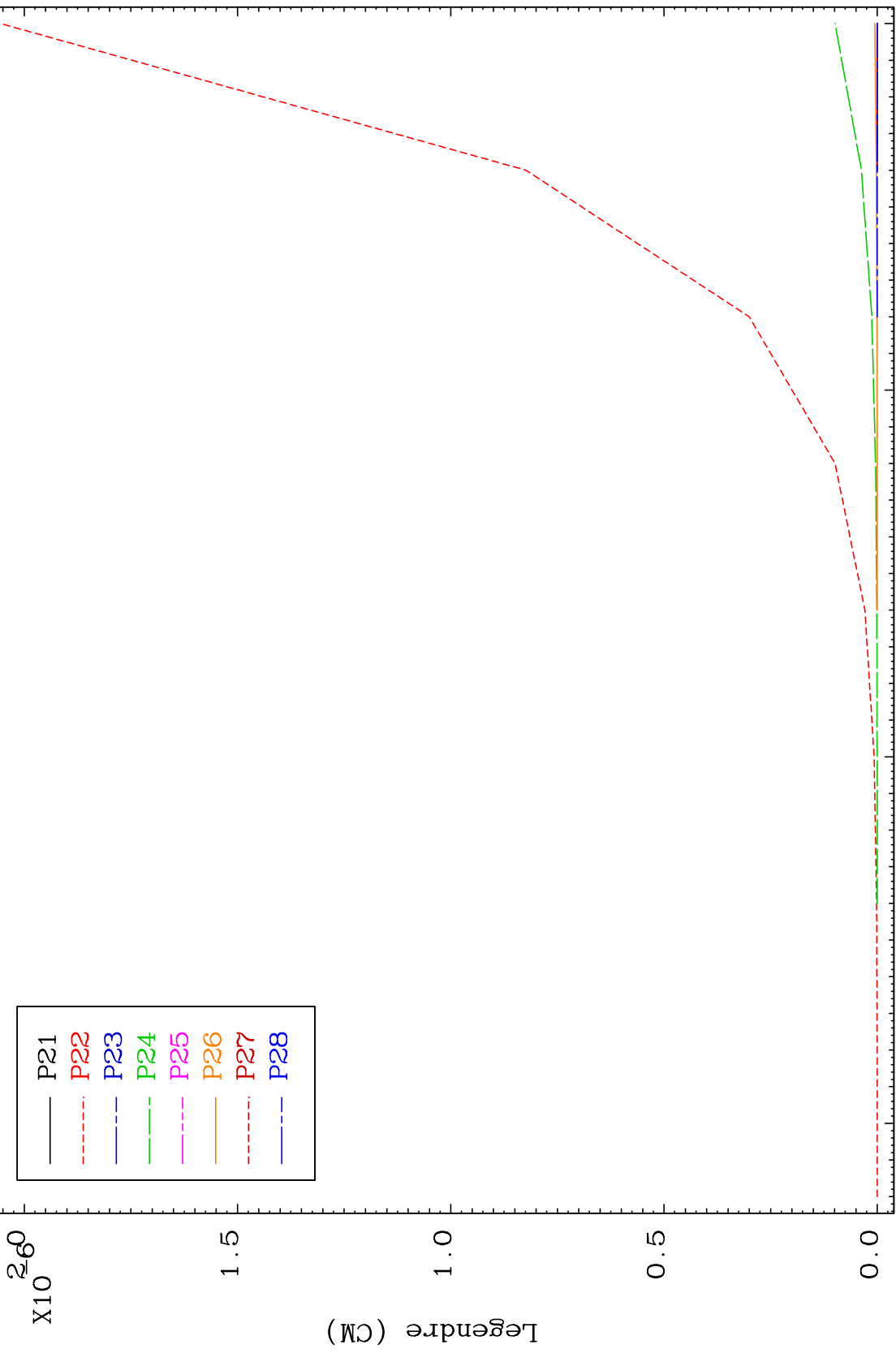
69-Tm-153

Incident Energy (MeV)

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Elastic Legendre Coefficients

69-Tm-153



19

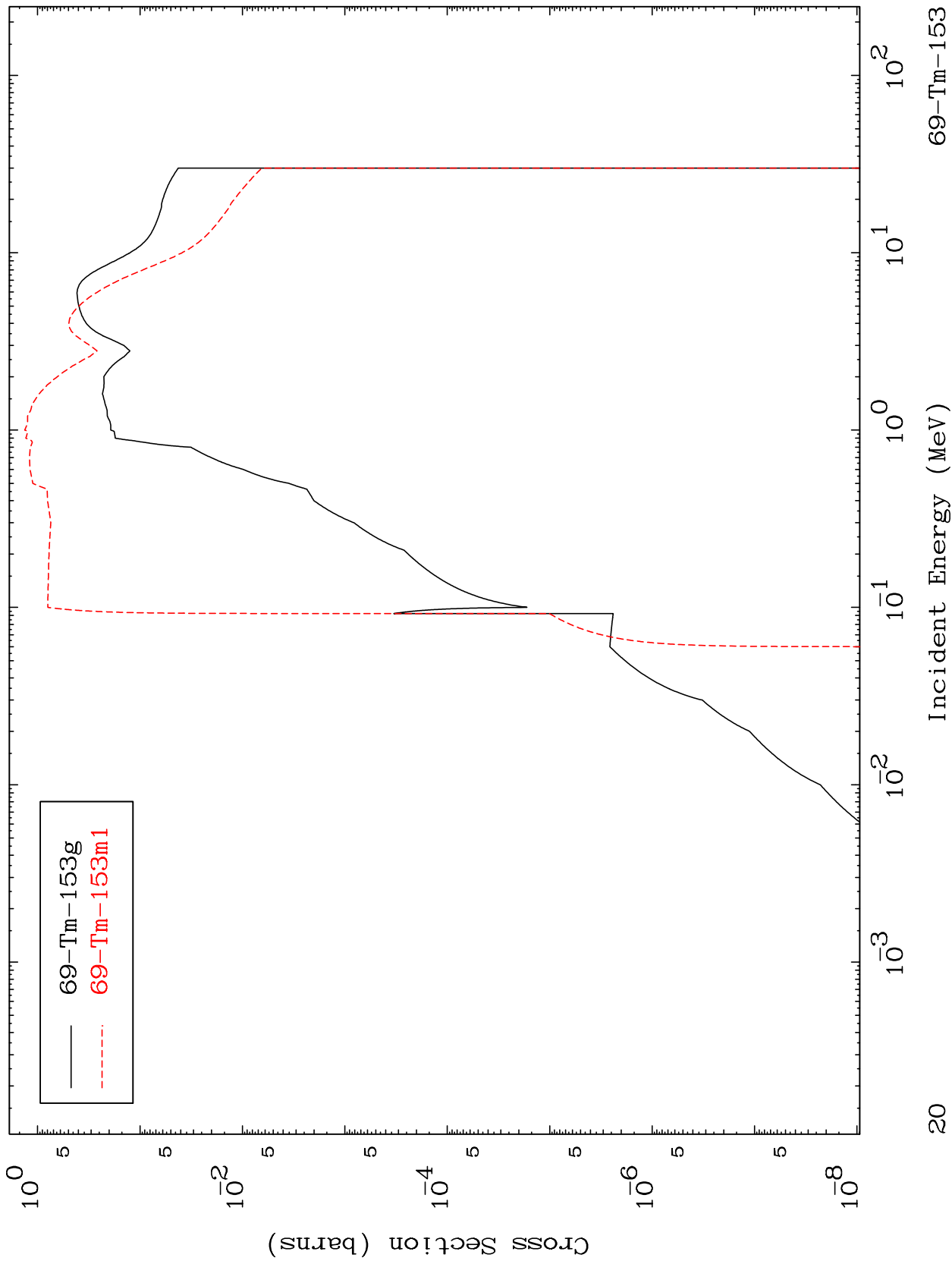
Incident Energy (MeV)

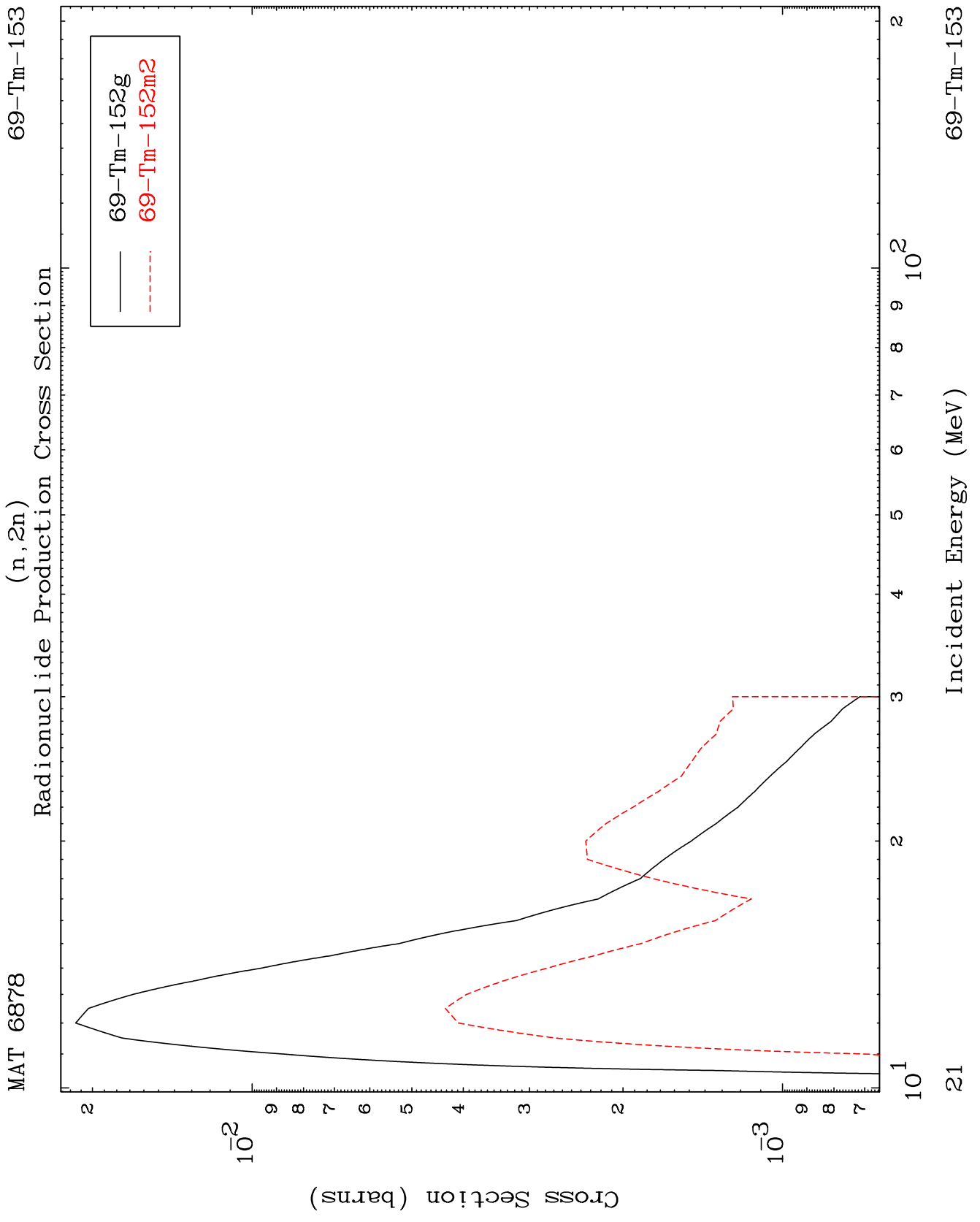
69-Tm-153

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69-Tm-153

Inelastic
Radionuclide Production Cross Section

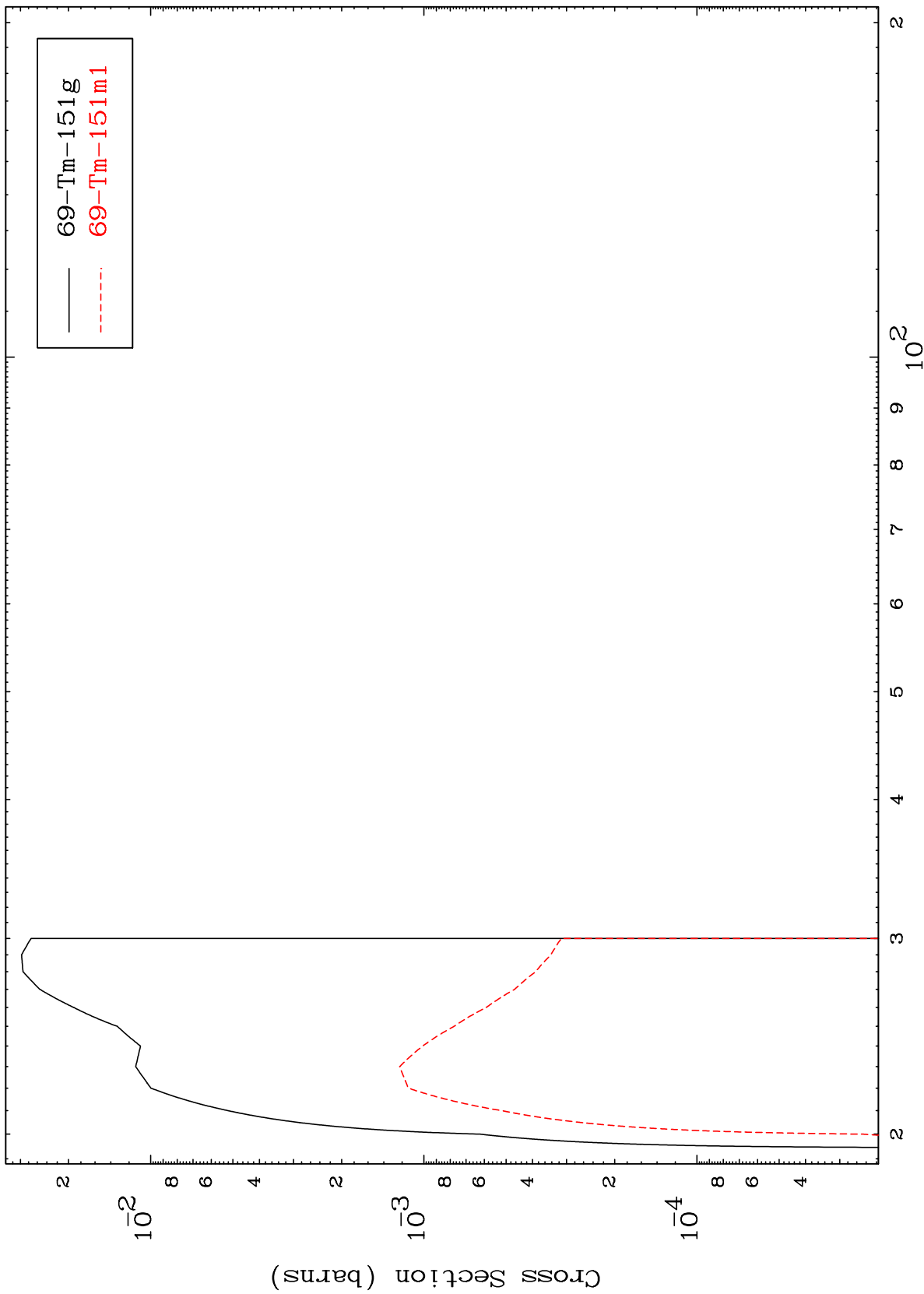




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69-Tm-153

(n,3n)
Radionuclide Production Cross Section



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

69-Tm-153

Incident Energy (MeV)

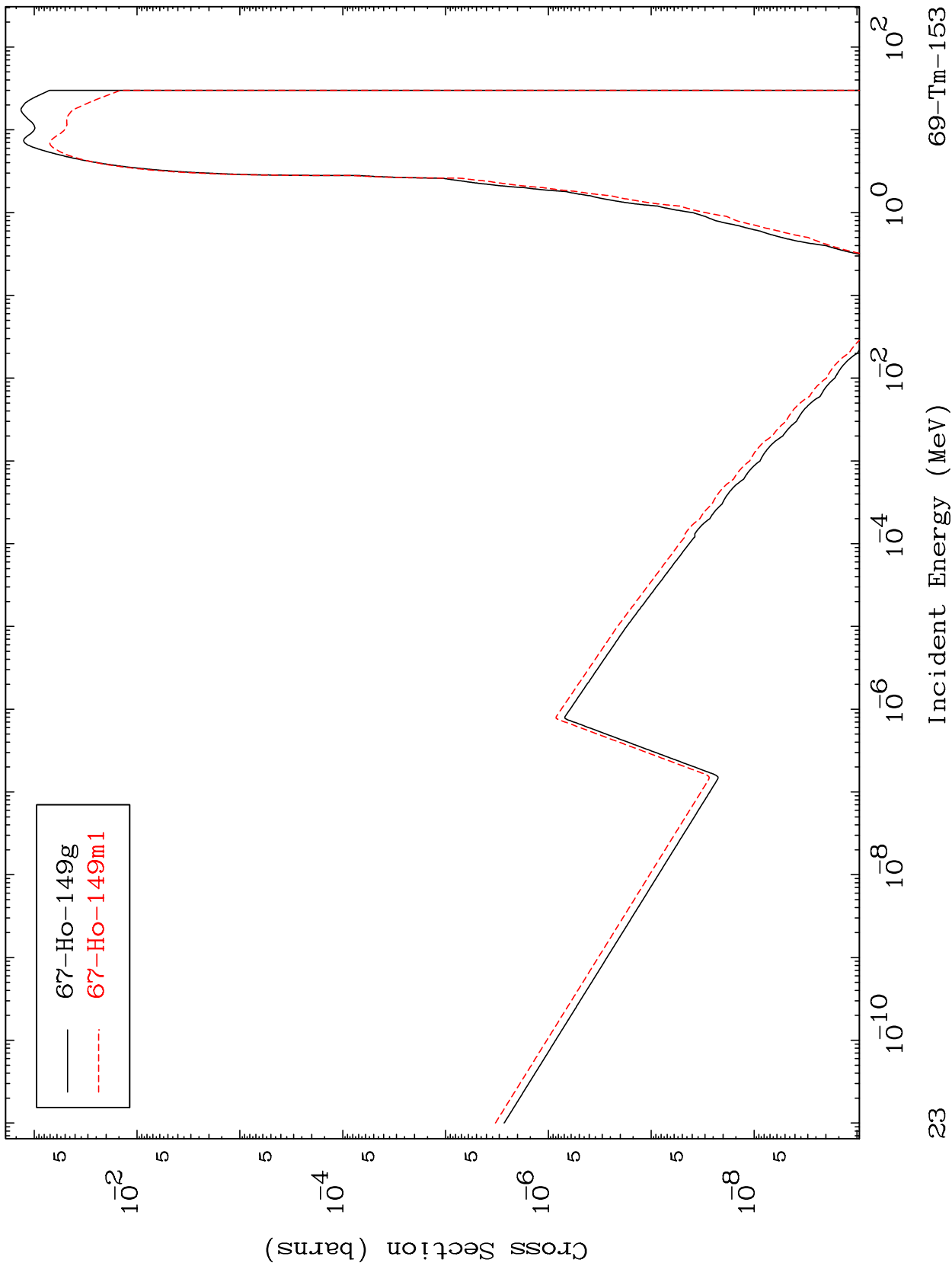
22

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(n, n') α

69-Tm-153

Radionuclide Production Cross Section

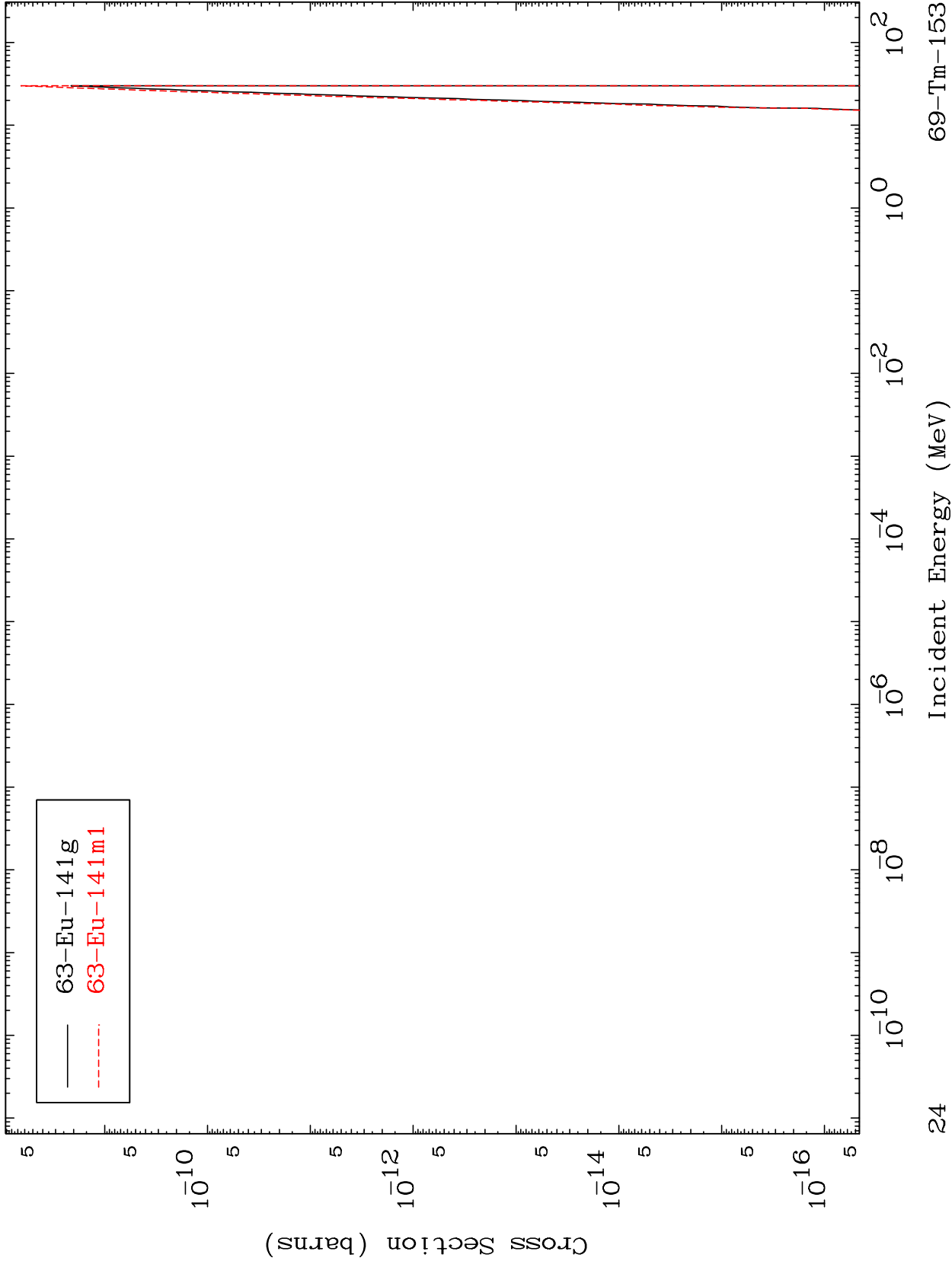


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(n,n') 3 α

69-Tm-153

Radionuclide Production Cross Section

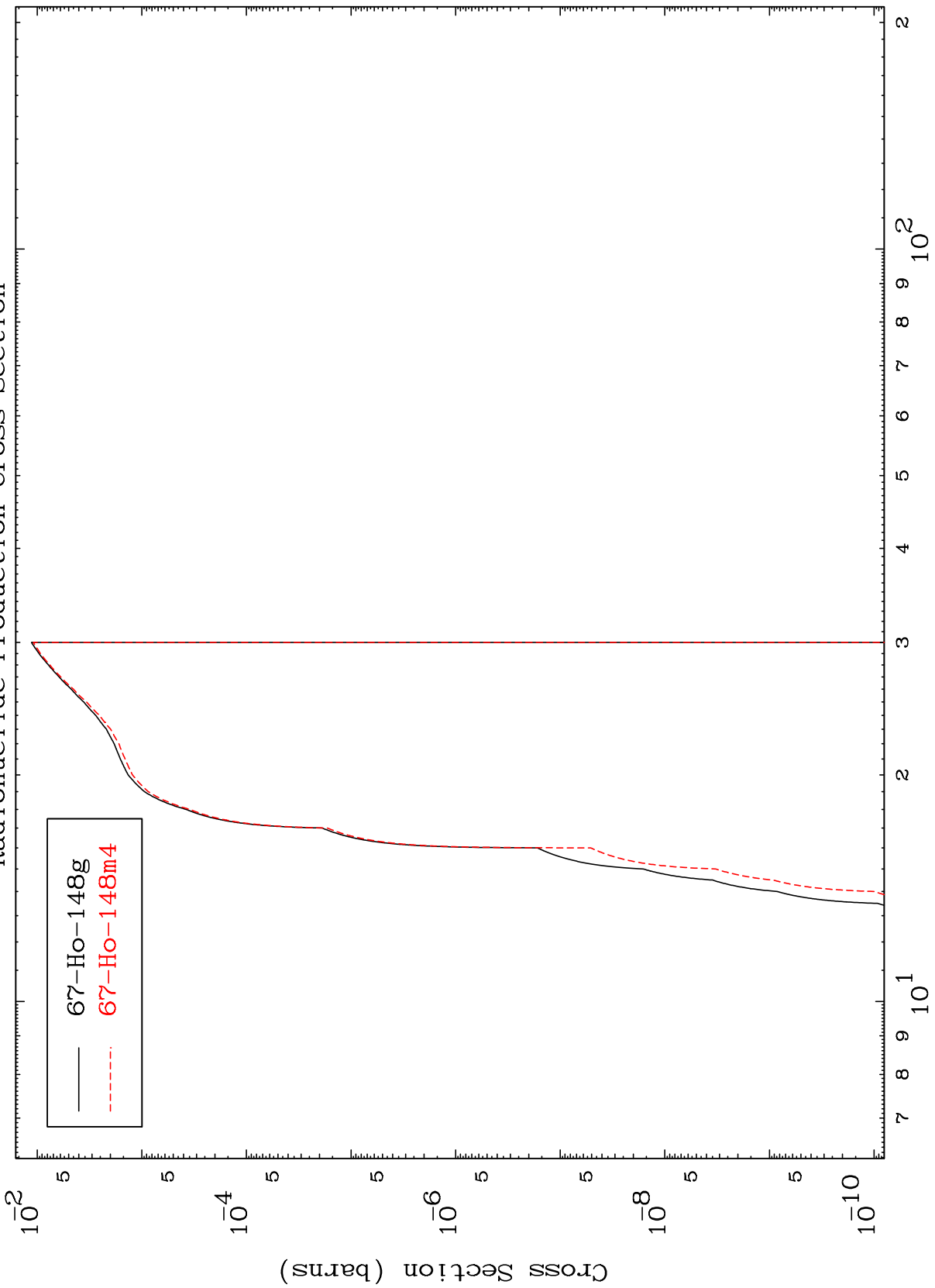


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(n,2n) α

69-Tm-153

Radionuclide Production Cross Section



25

Incident Energy (MeV)

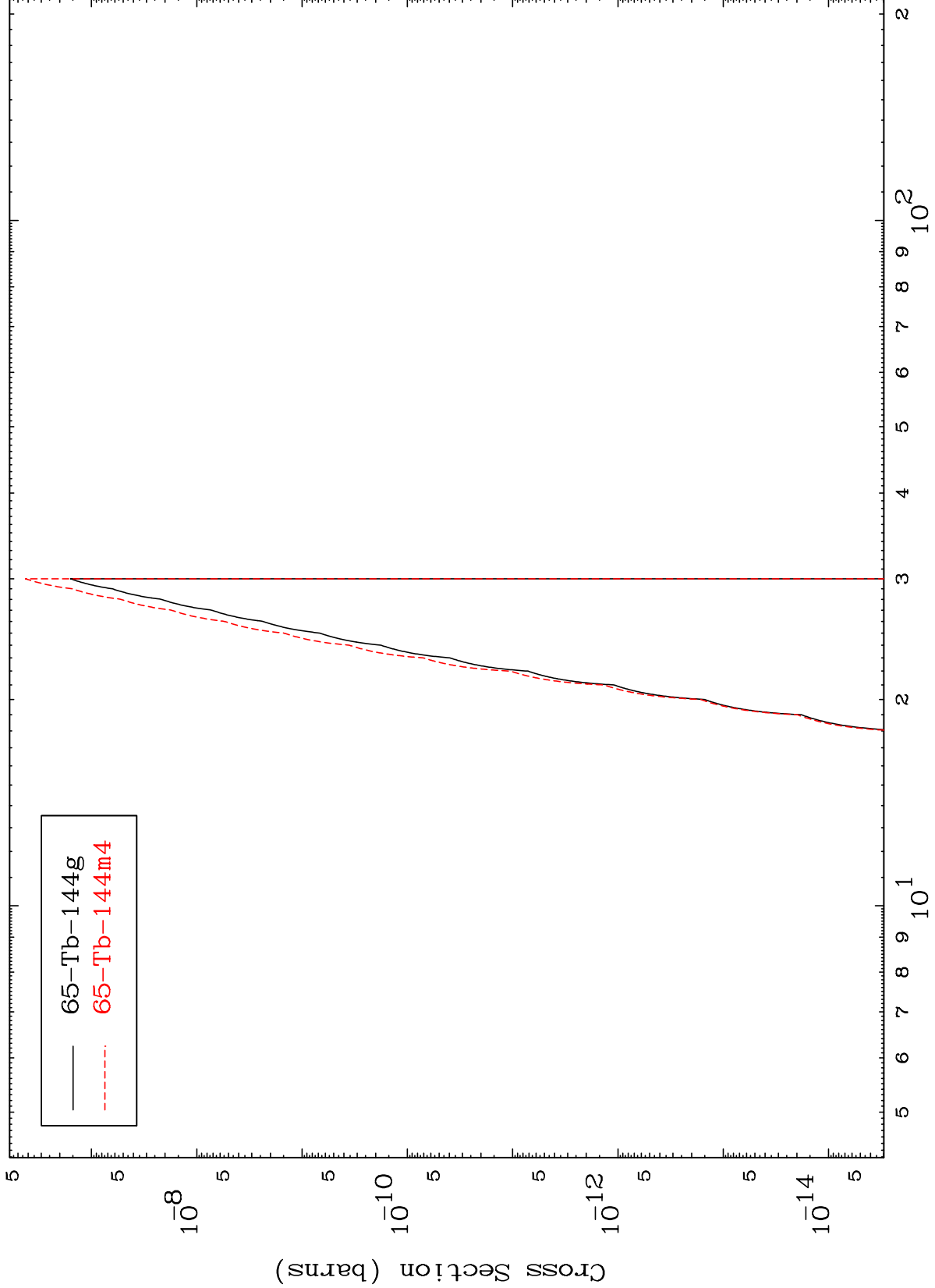
69-Tm-153

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$(n,2n) 2\alpha$

69-Tm-153

Radionuclide Production Cross Section



65-Tb-144g
65-Tb-144m4

26

Incident Energy (MeV)

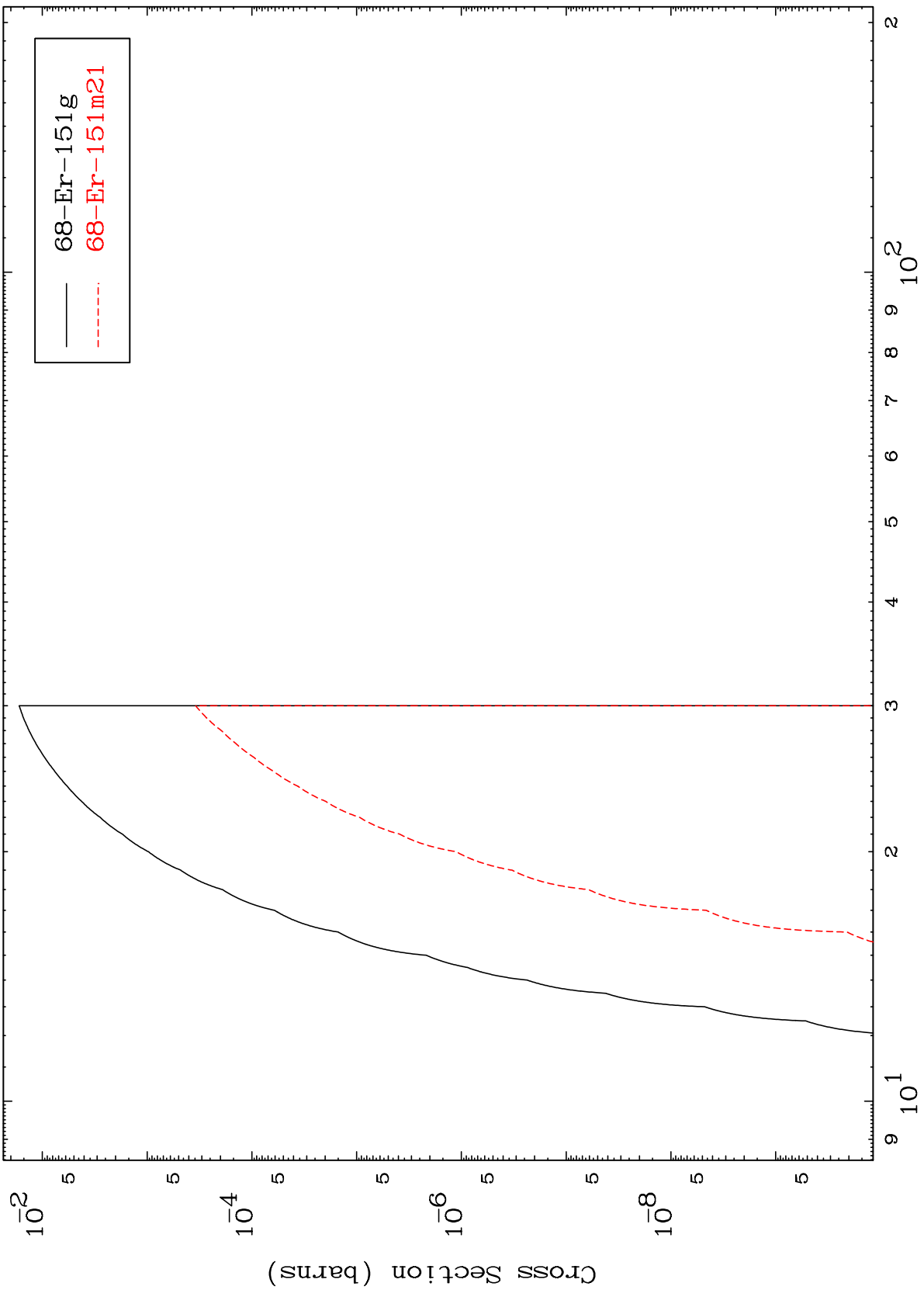
69-Tm-153

MAT 6878

(n,n') d

69-Tm-153

Radionuclide Production Cross Section



68-Er-151g
68-Er-151m21

27

Incident Energy (MeV)

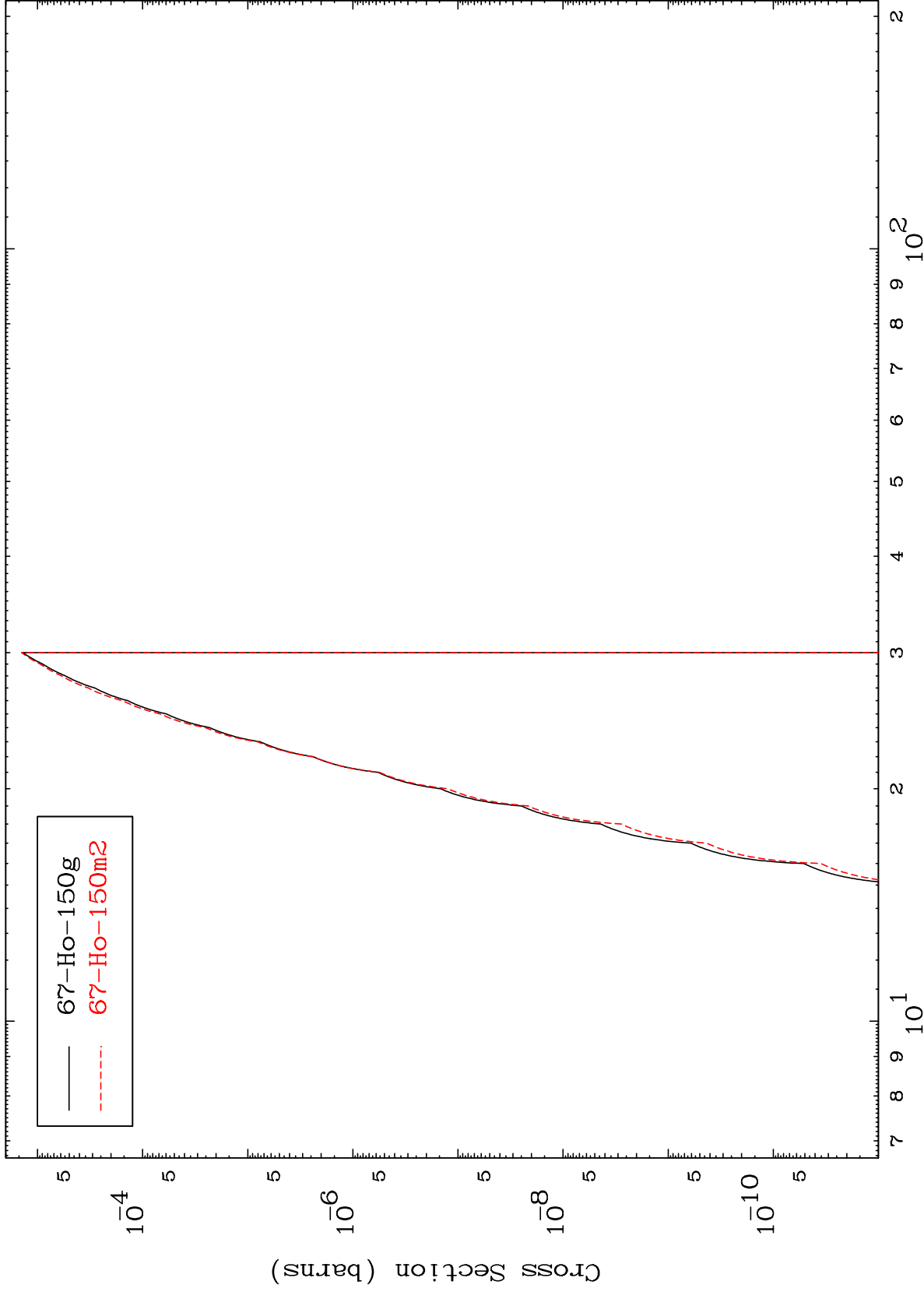
69-Tm-153

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(n,n') He-3

69-Tm-153

Radionuclide Production Cross Section



28

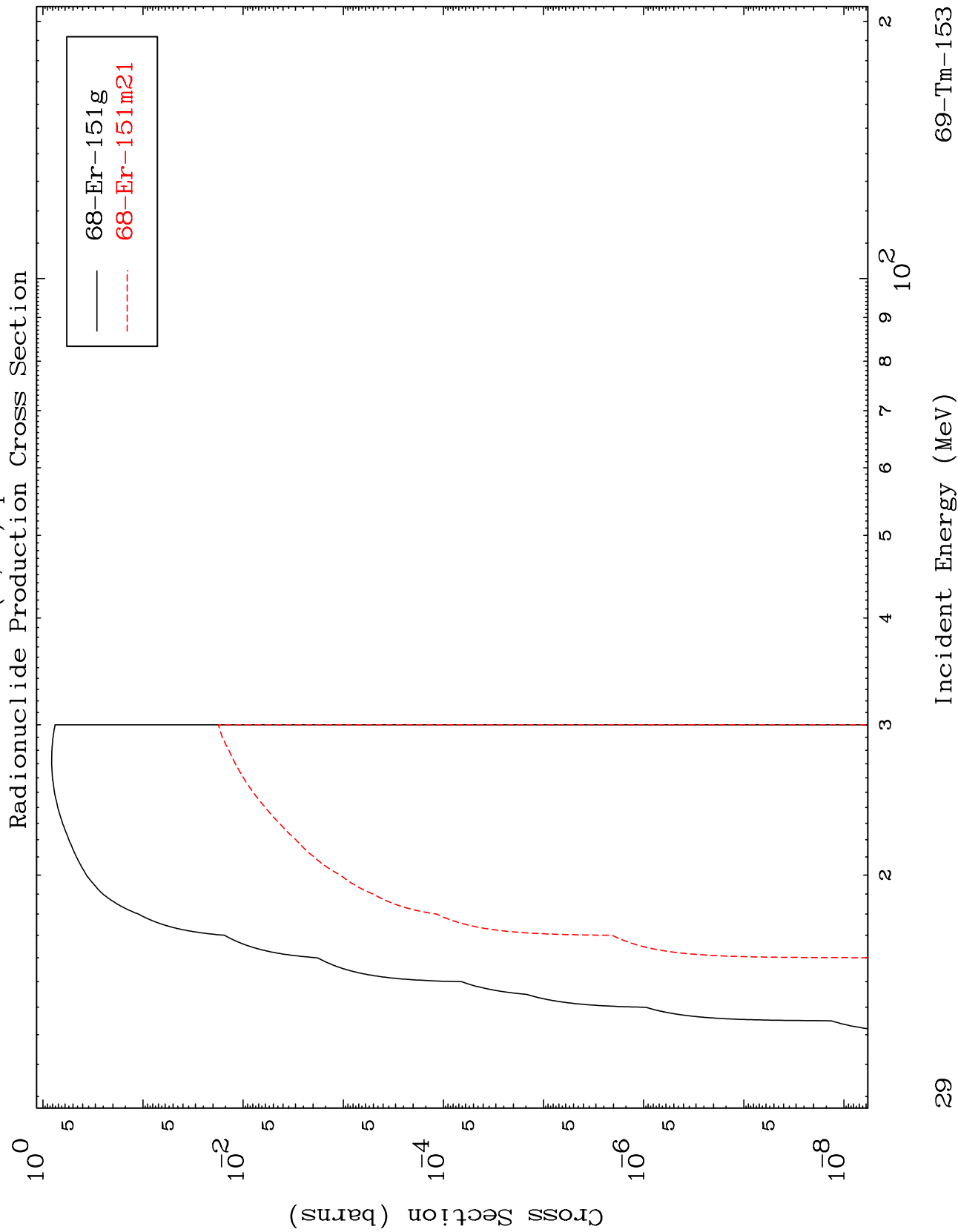
Incident Energy (MeV)

69-Tm-153

MAT 6878

(n,2n) p

69-Tm-153



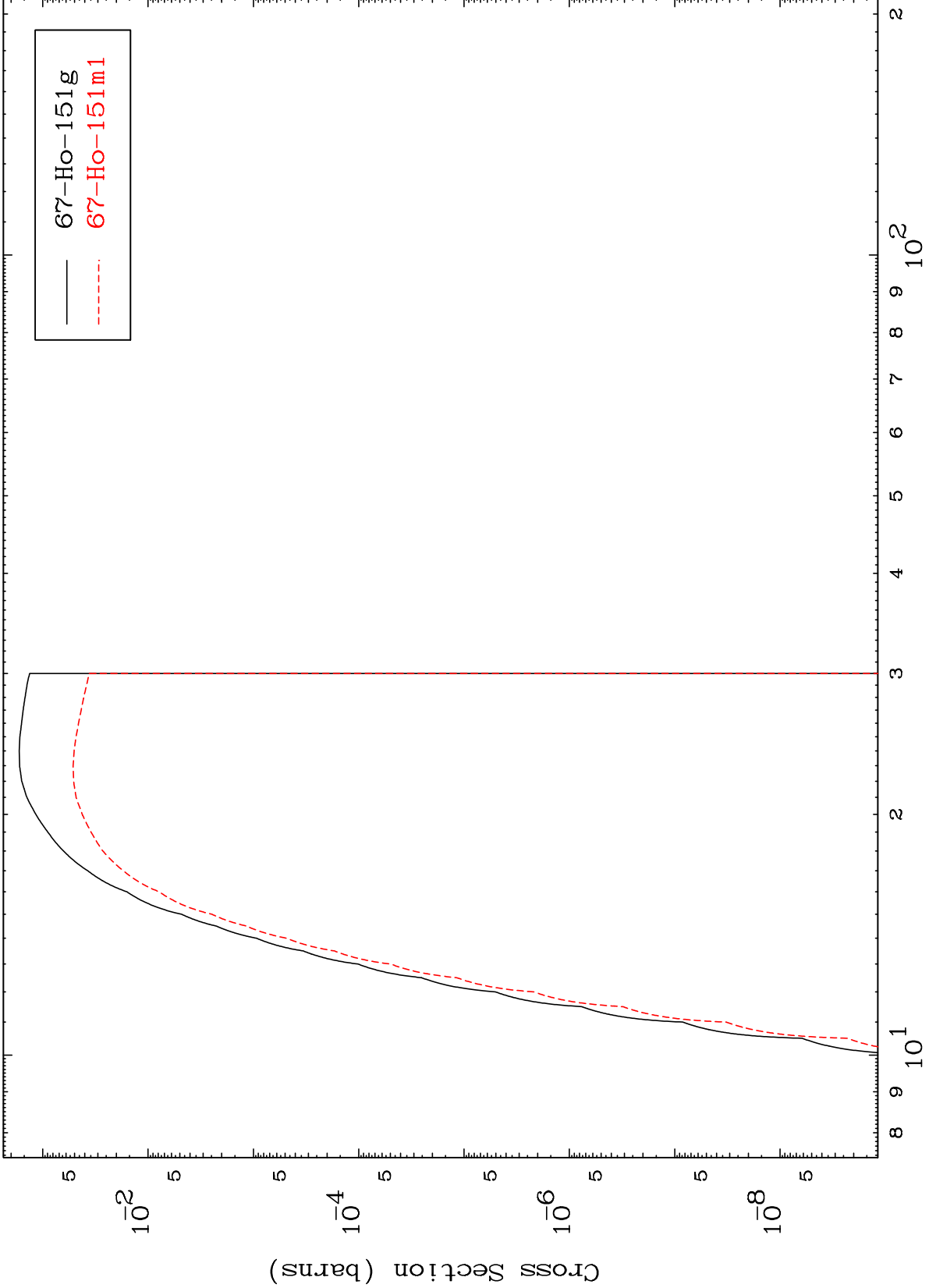
29

MAT 6878

(n,2n) p

69-Tm-153

Radionuclide Production Cross Section



30

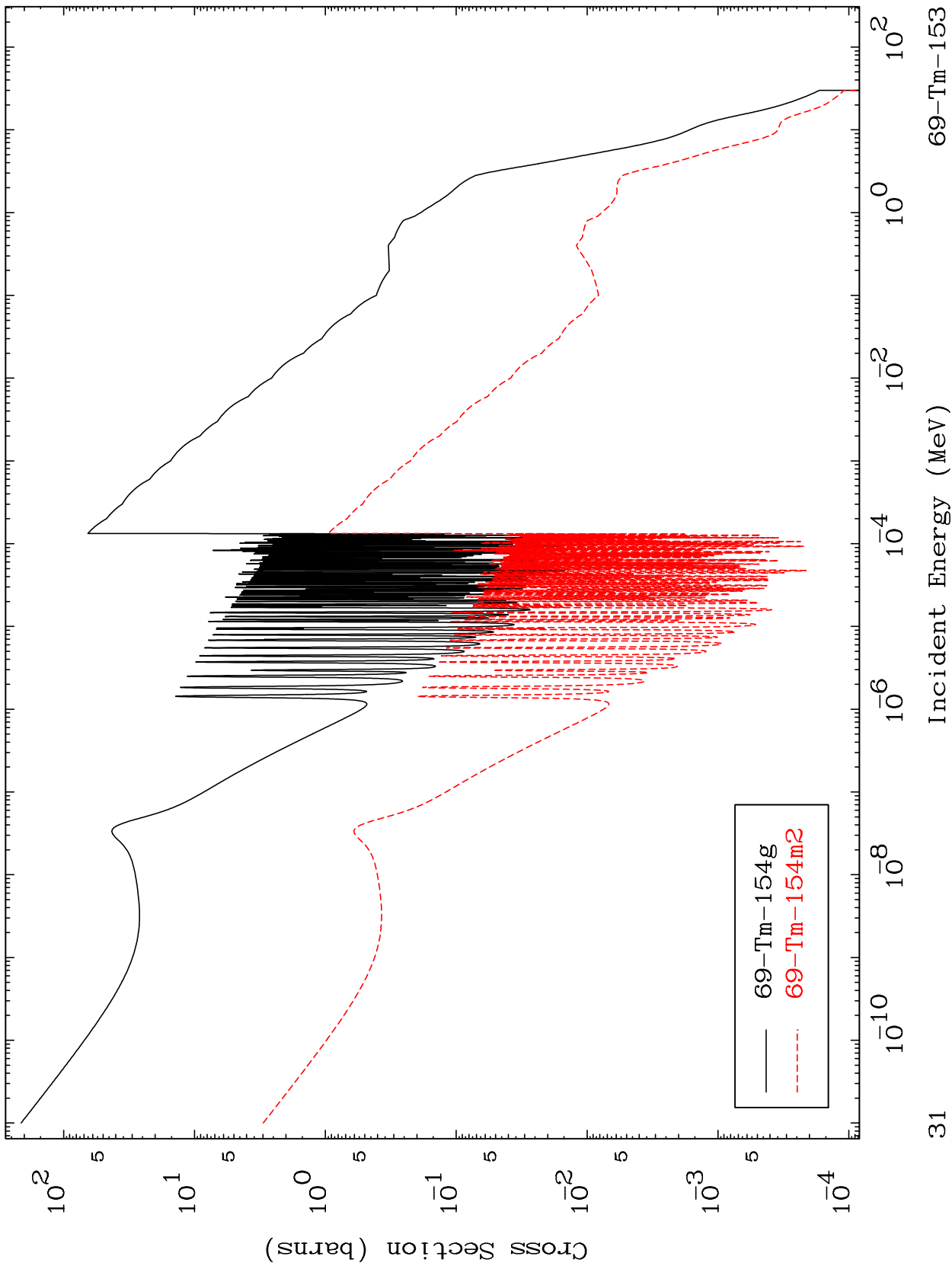
Incident Energy (MeV)

69-Tm-153

MAT 6878

69-Tm-153

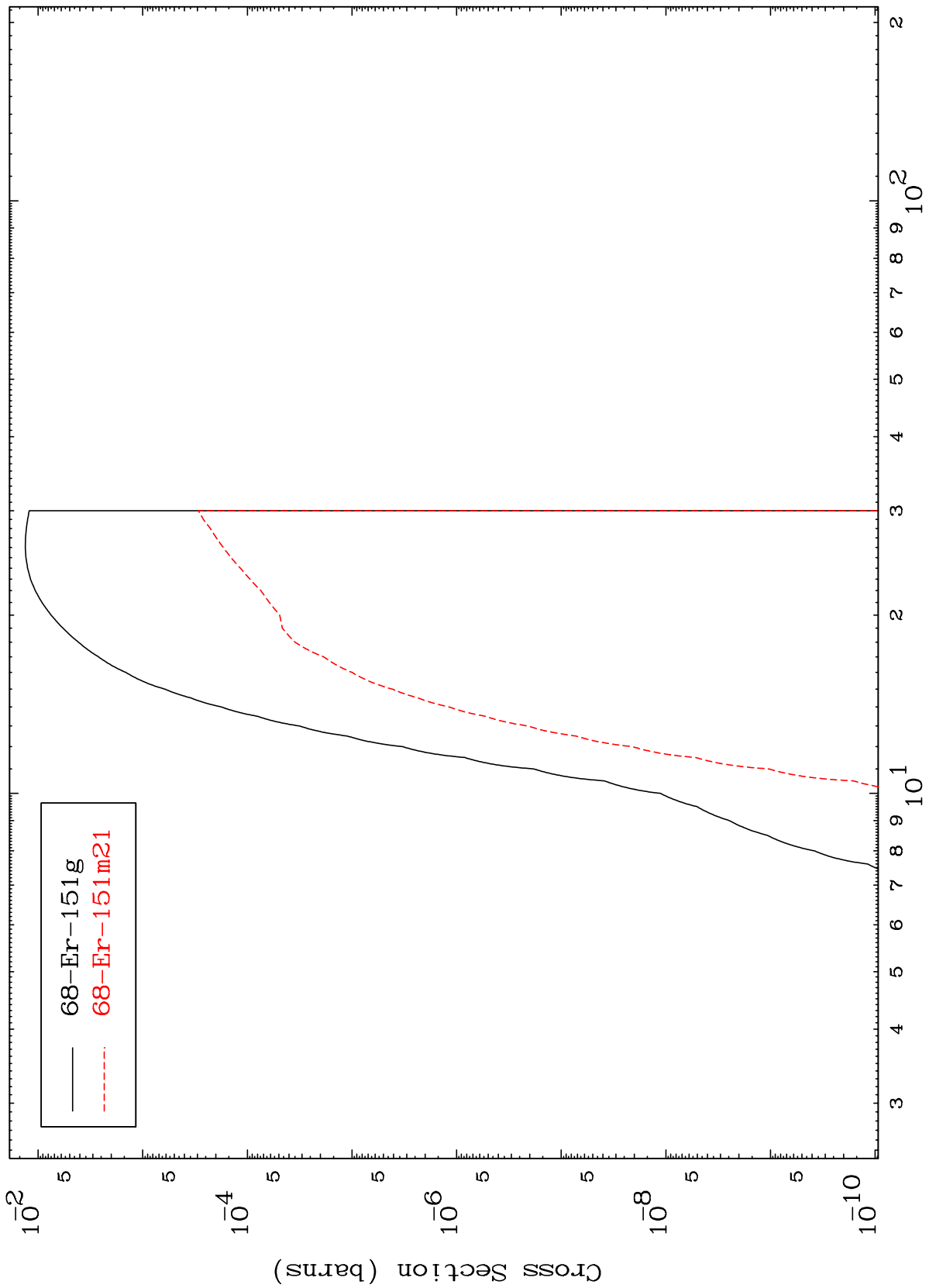
(n,γ)
Radionuclide Production Cross Section



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69-Tm-153

(n, t)
Radionuclide Production Cross Section



68-Er-151g
68-Er-151m21

69-Tm-153

Incident Energy (MeV)

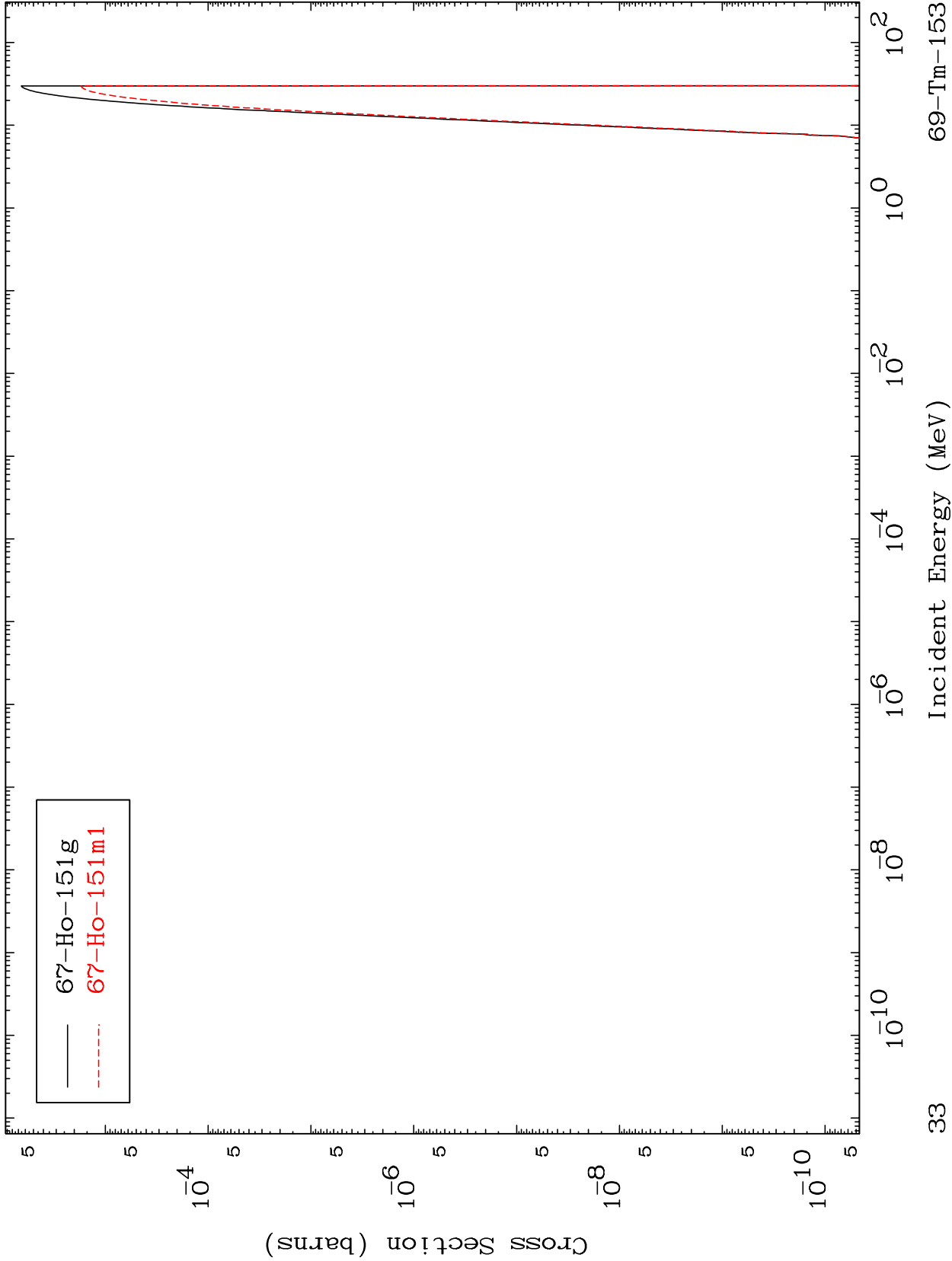
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(n,He-3)

69-Tm-153

Radionuclide Production Cross Section



33

Incident Energy (MeV)

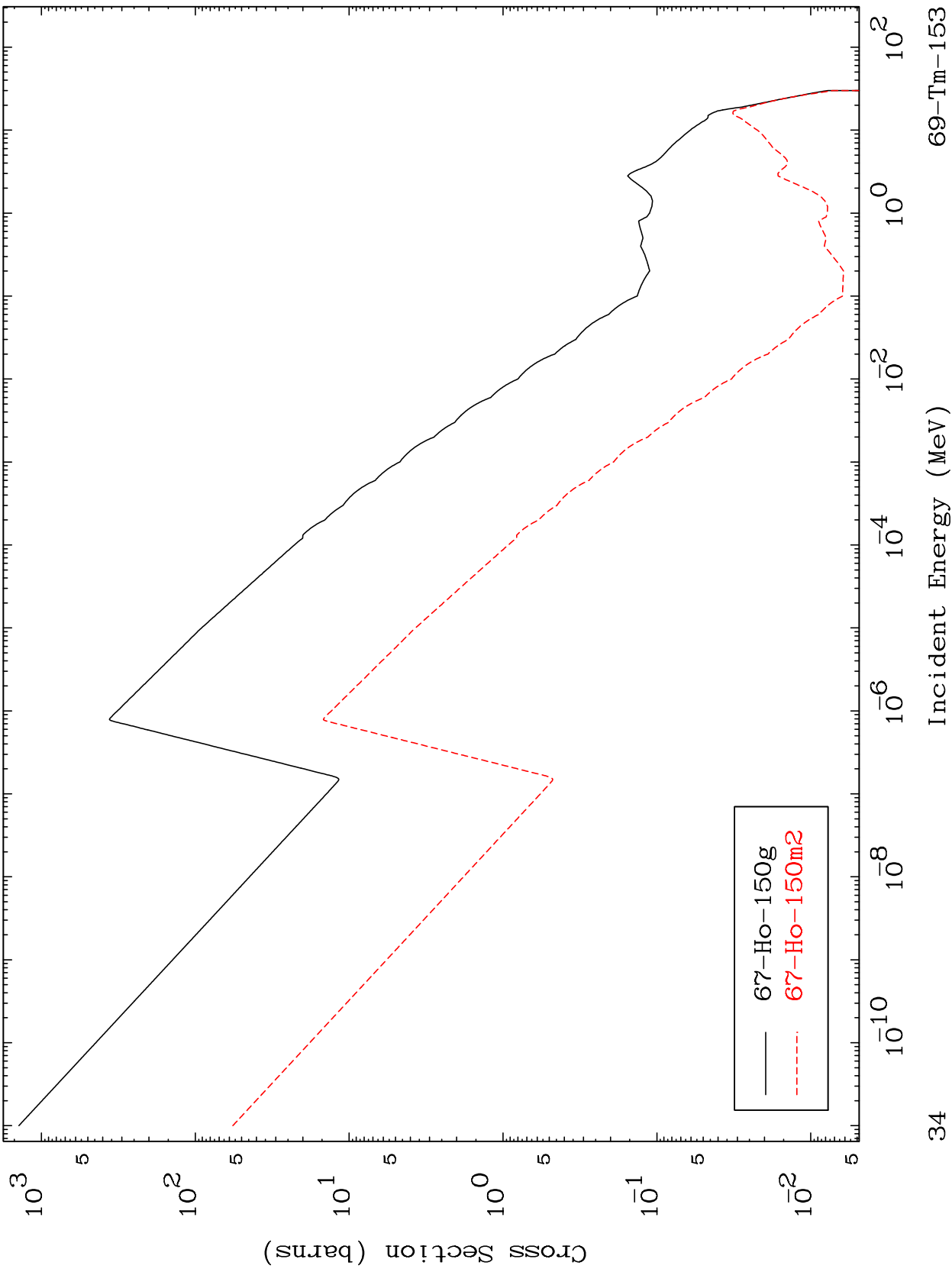
69-Tm-153

MAT 6878

69-Tm-153

Radionuclide Production Cross Section

(n, α)

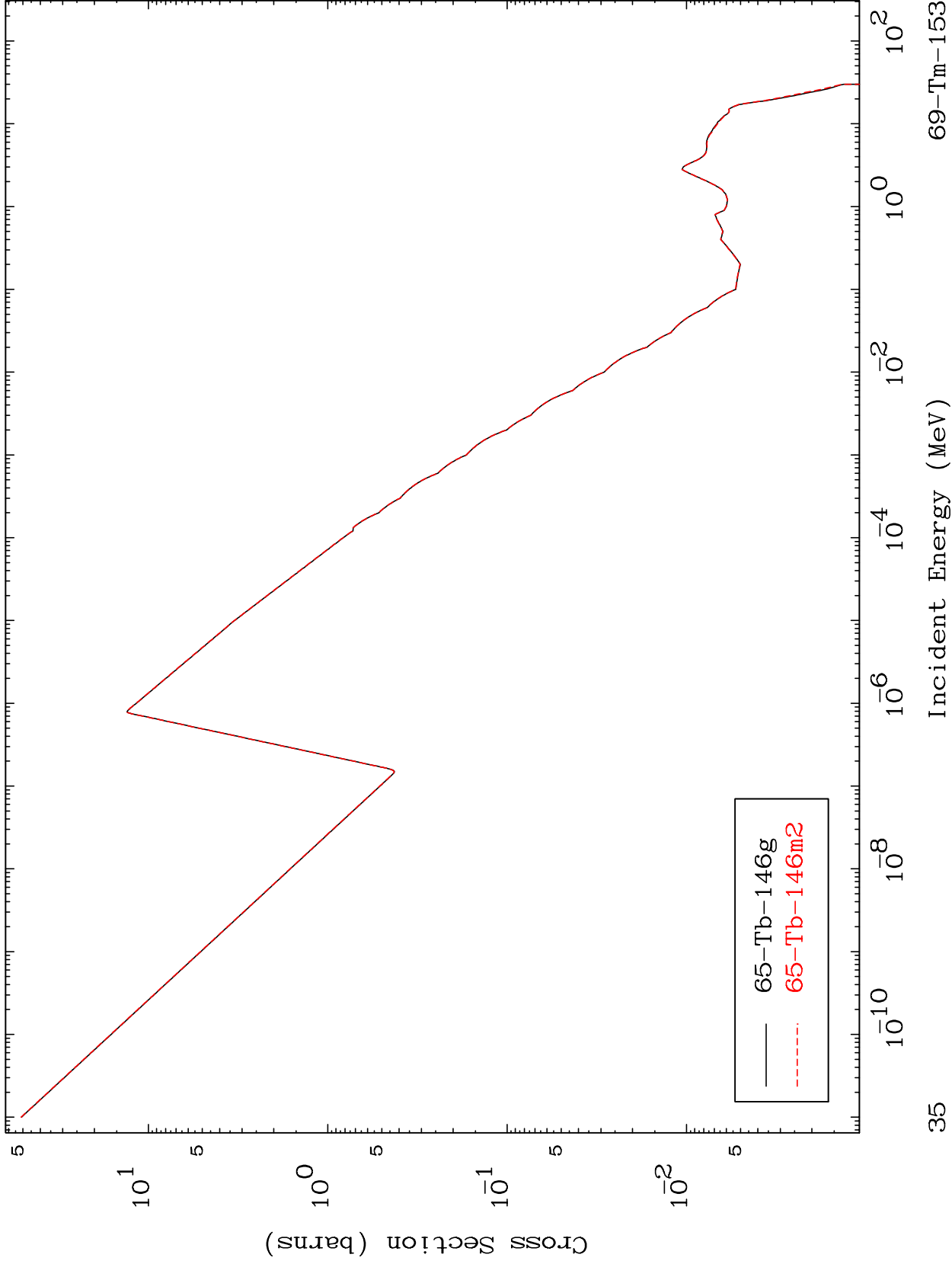


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(n,2α)

69-Tm-153

Radionuclide Production Cross Section



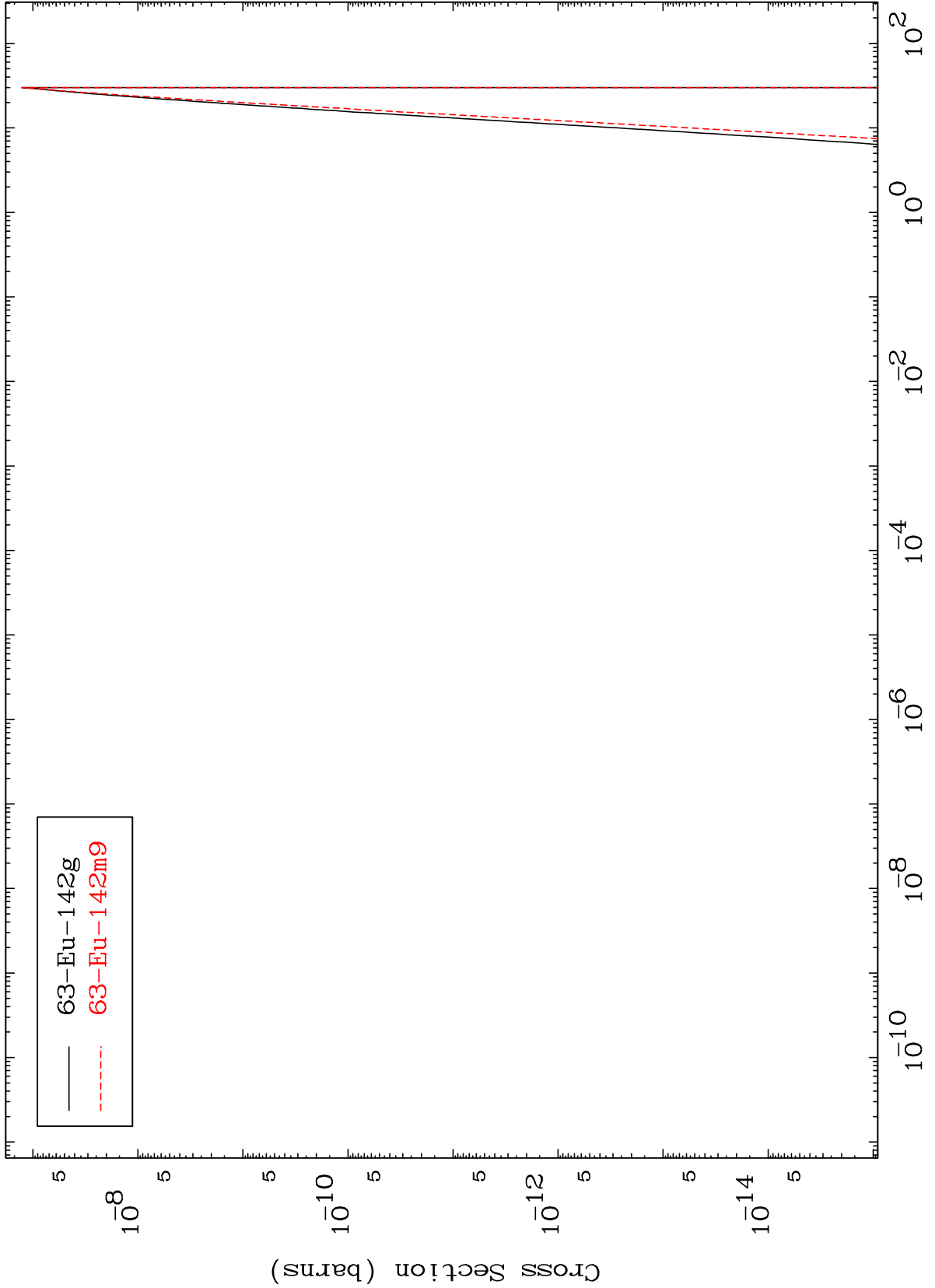
35

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(n, 3α)

69-Tm-153

Radionuclide Production Cross Section

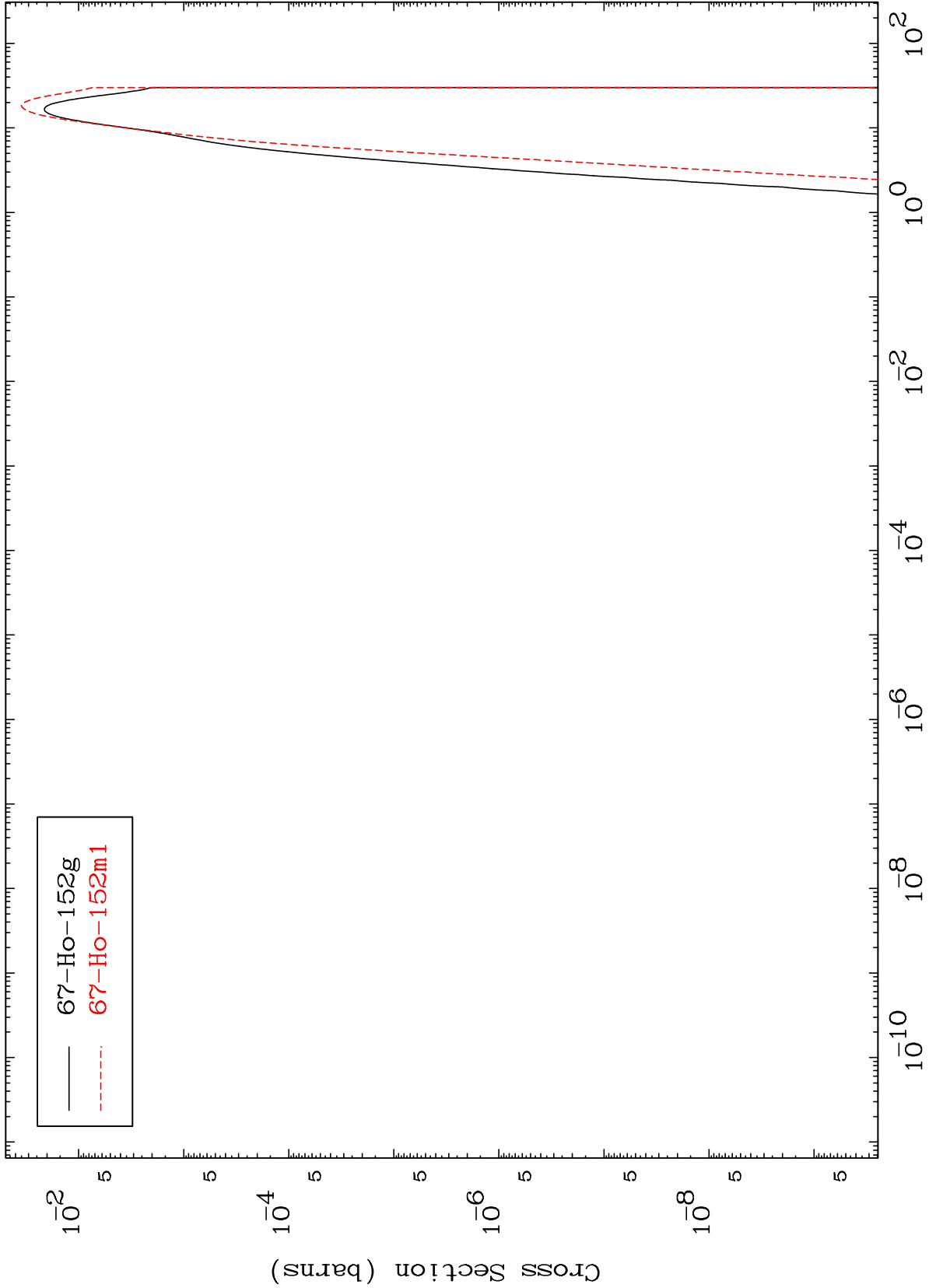


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(n,2p)

69-Tm-153

Radionuclide Production Cross Section

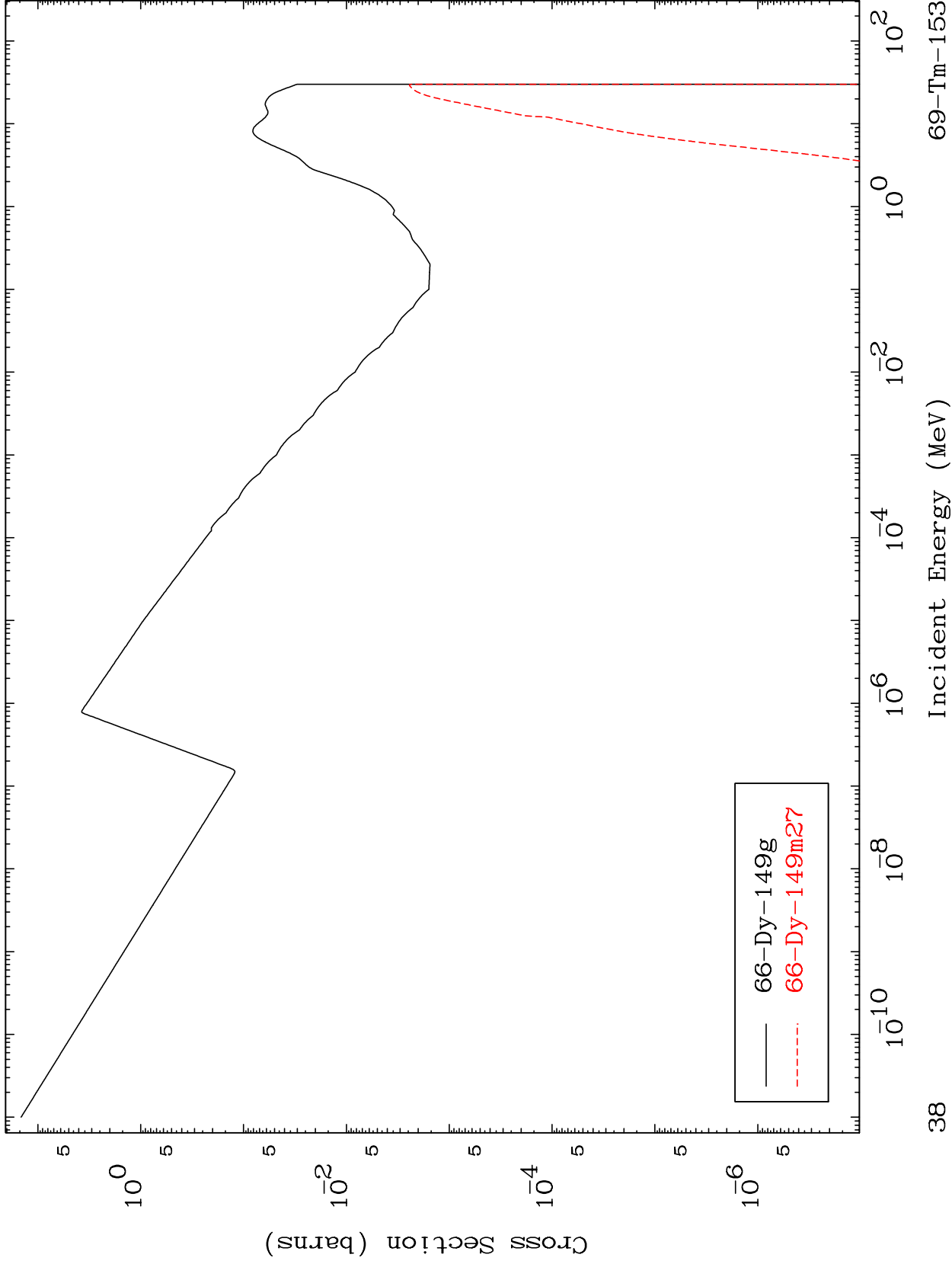


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(n,p) α

69-Tm-153

Radionuclide Production Cross Section

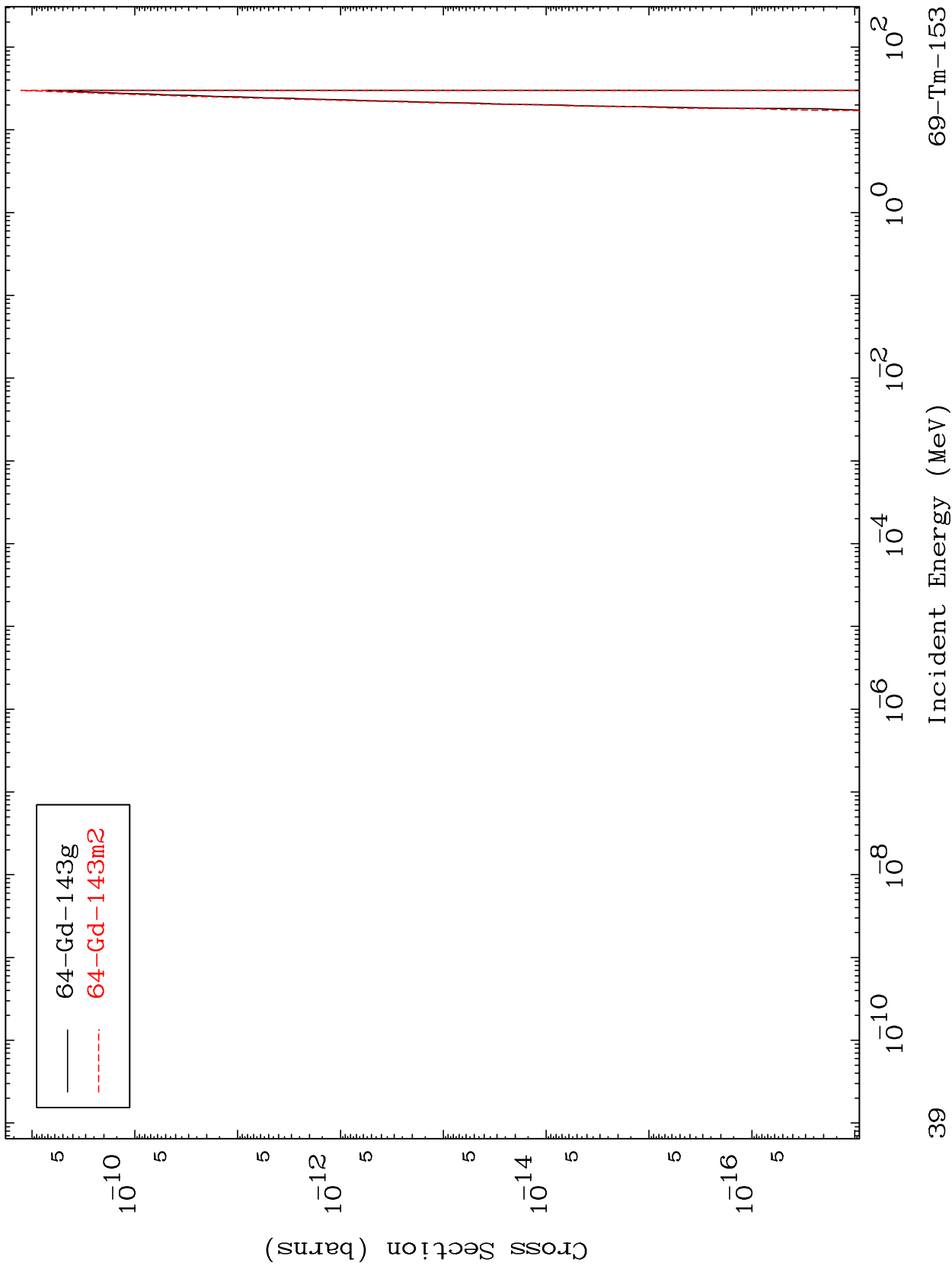


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(n,t) 2 α

69-Tm-153

Radionuclide Production Cross Section

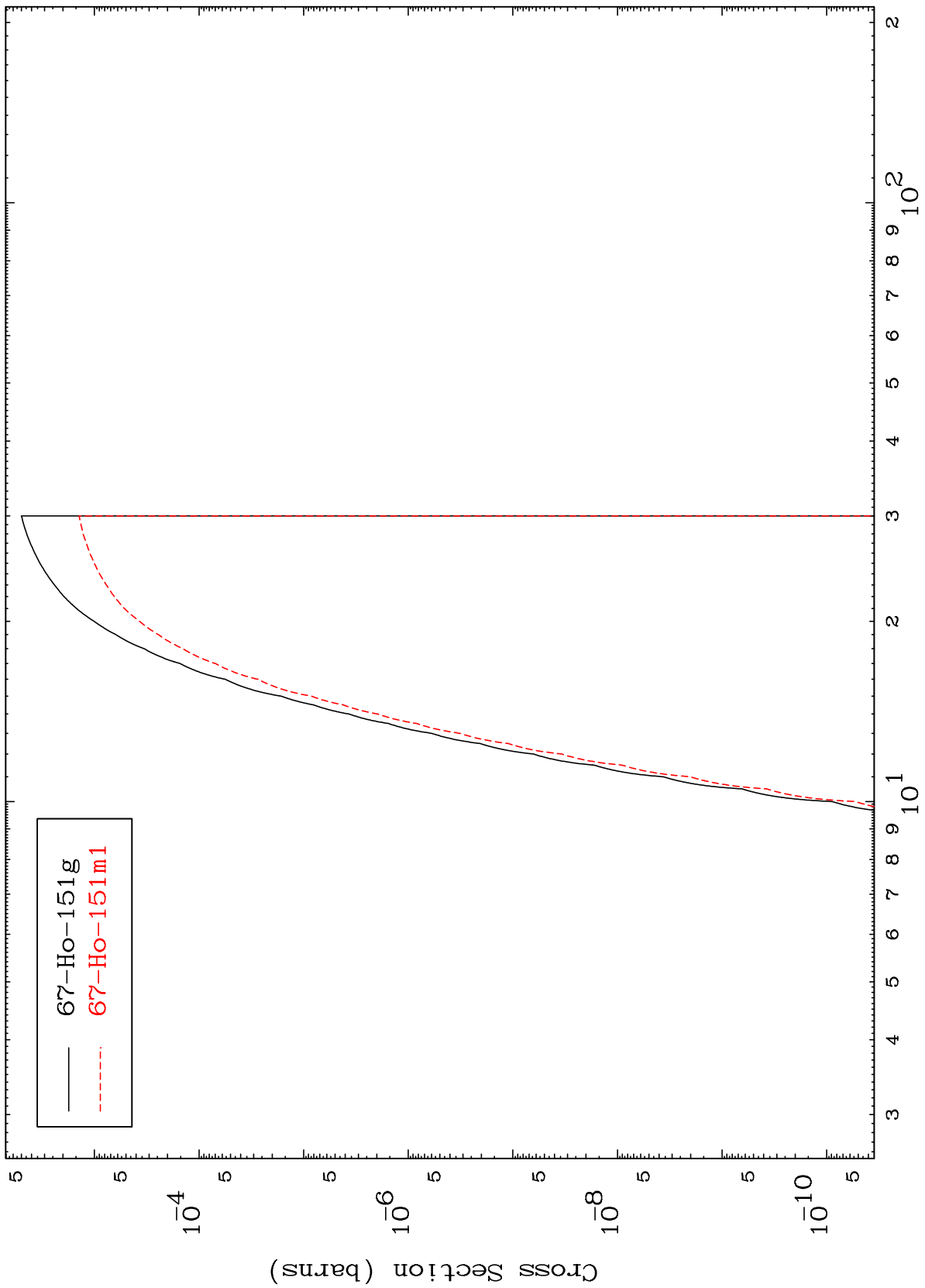


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(n,p) d

69-Tm-153

Radionuclide Production Cross Section



40

Incident Energy (MeV)

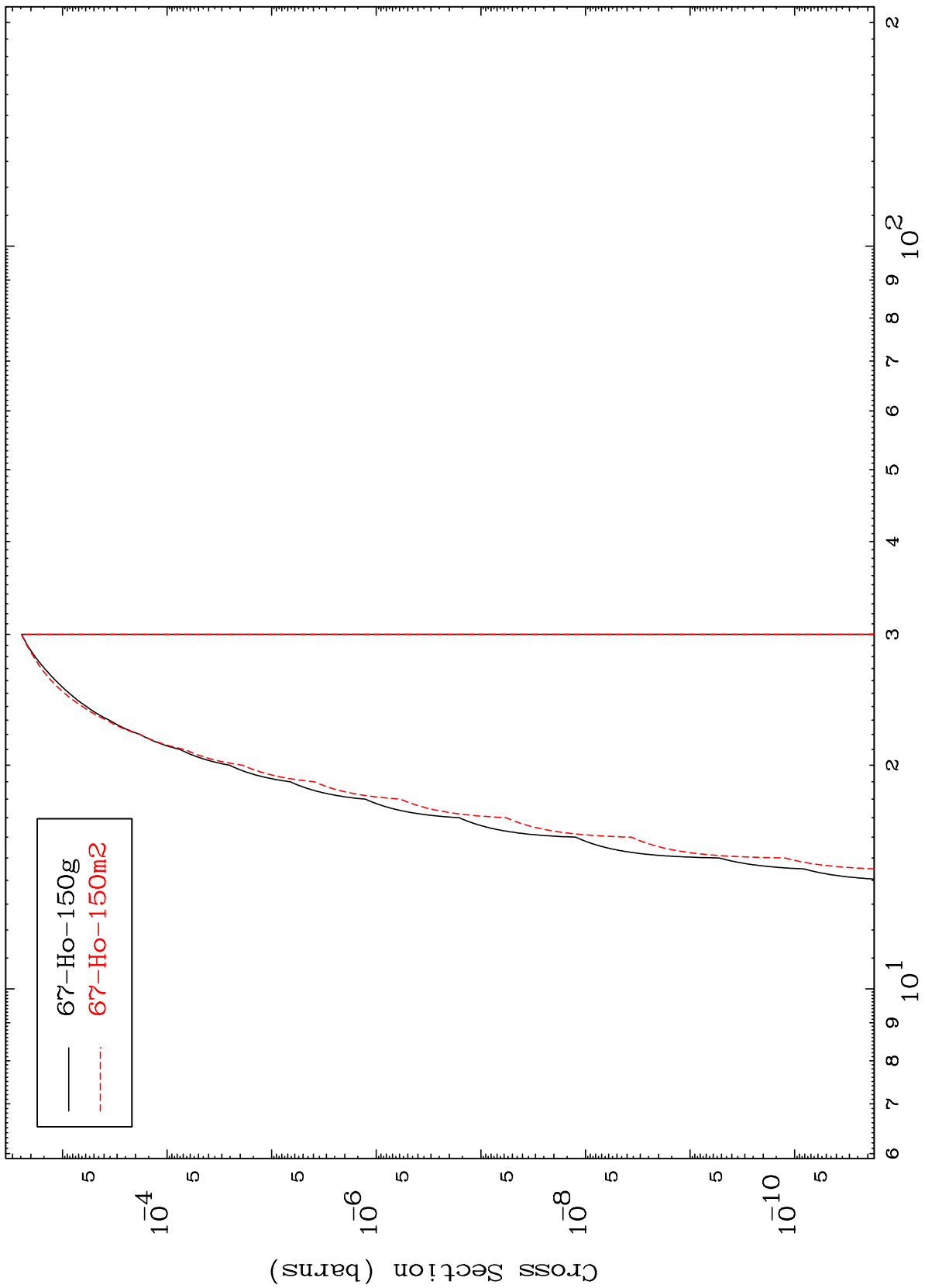
69-Tm-153

MAT 6878

(n,p) t

69-Tm-153

Radionuclide Production Cross Section



41

Incident Energy (MeV)

69-Tm-153