

Program EVALPLOT
(Version 2015-2)

by

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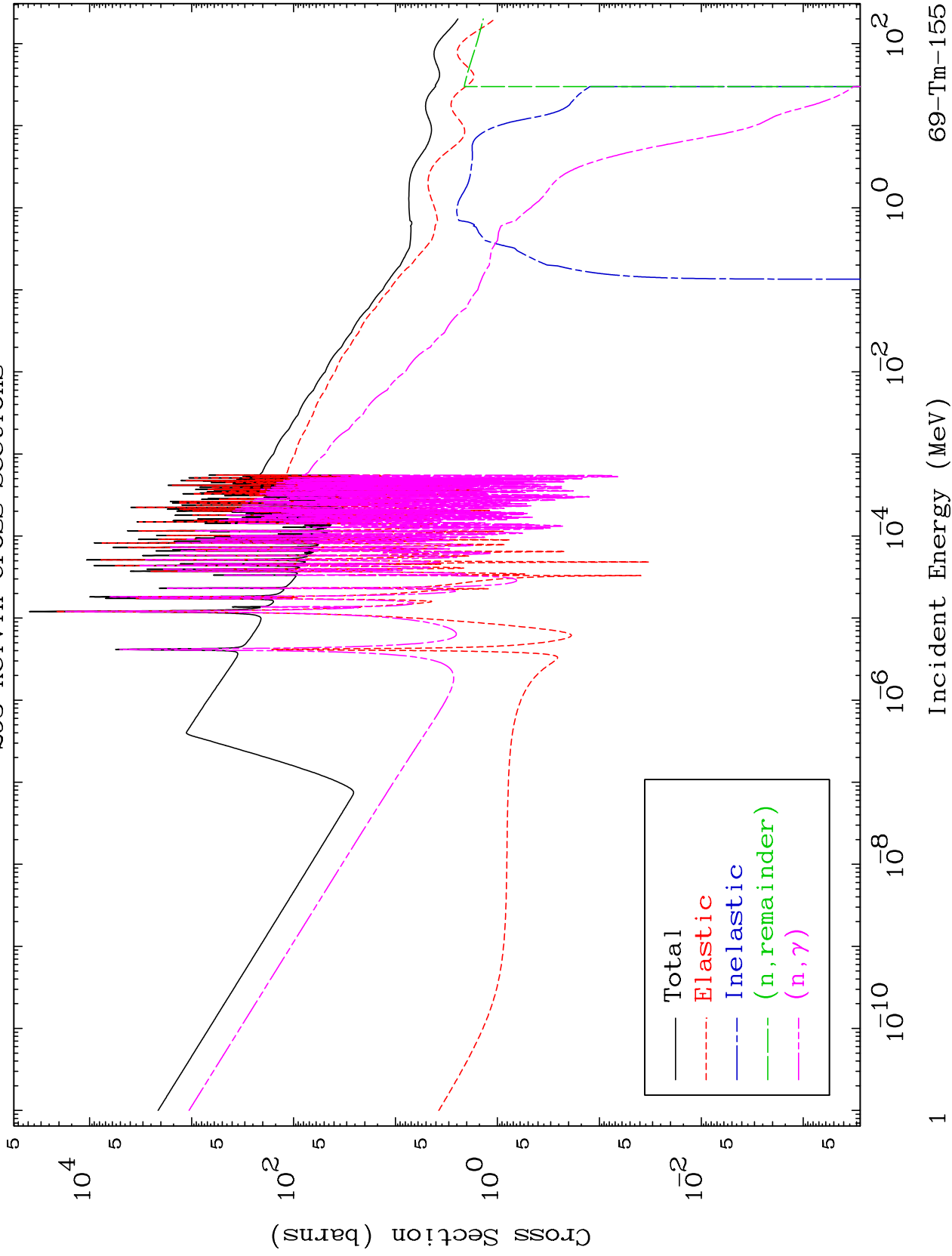
Press Mouse Button to Start

MAT 6884

Major

293 Kelvin Cross Sections

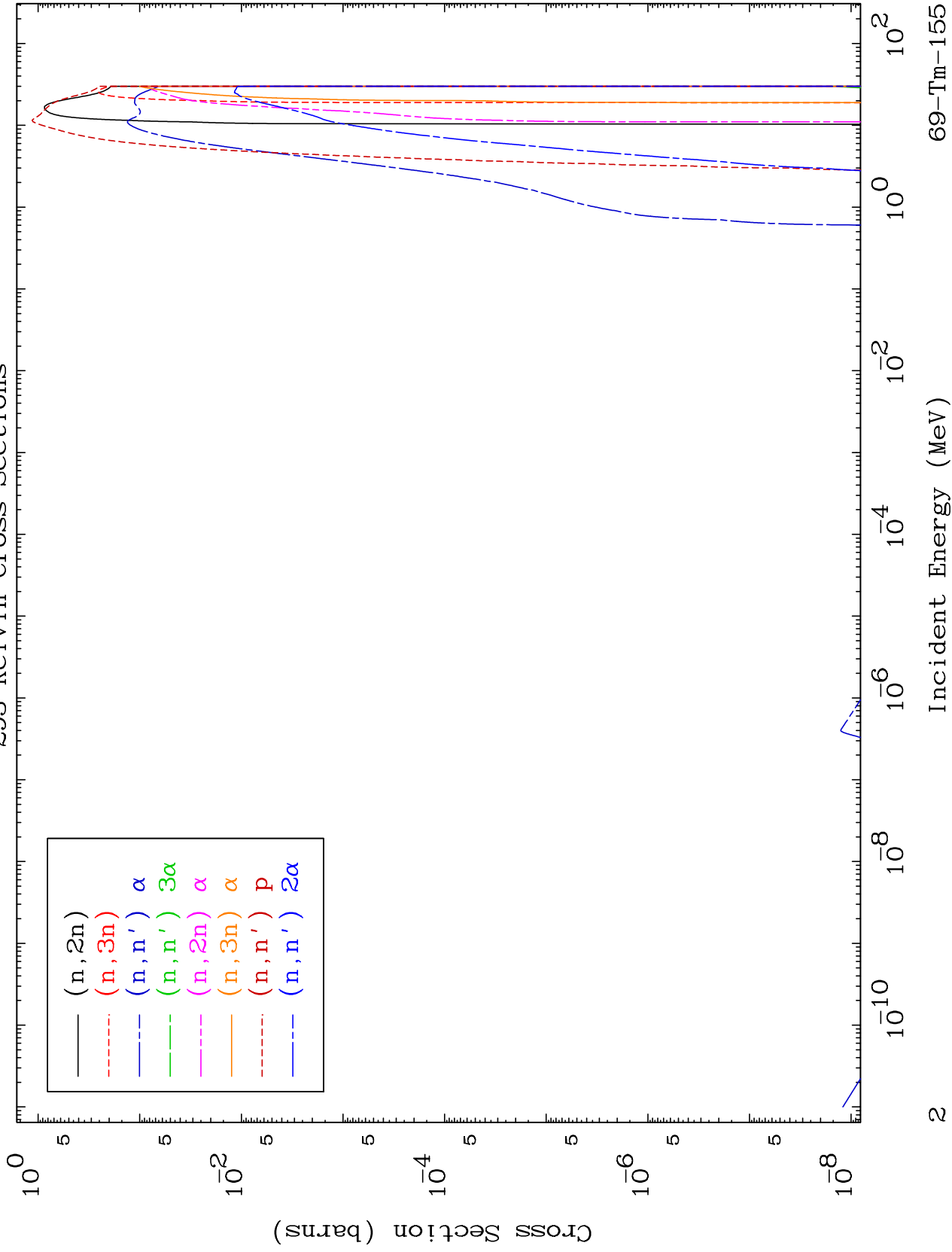
69-Tm-155

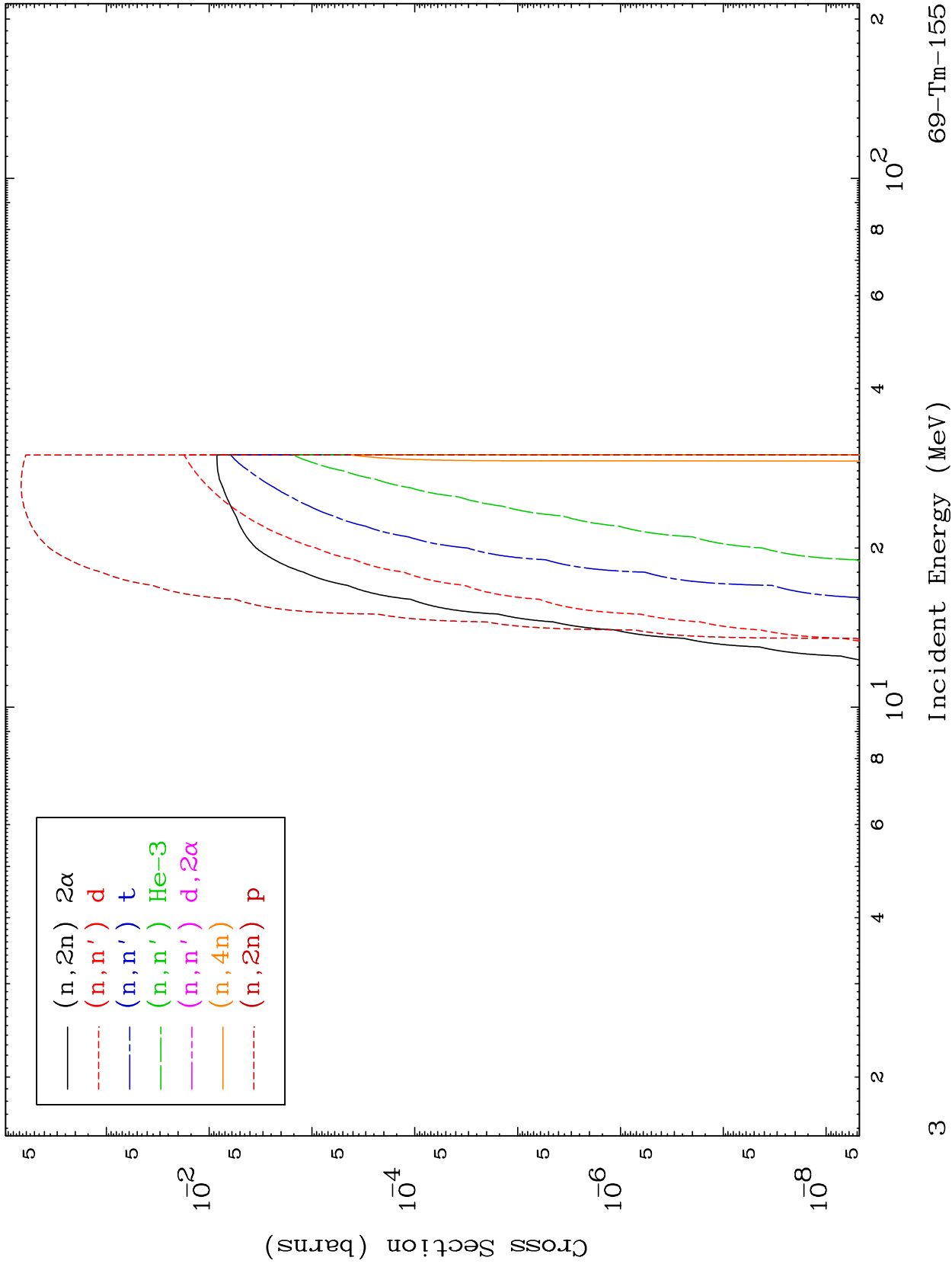


MAT 6884

Neutron Production
293 Kelvin Cross Sections

69-Tm-155

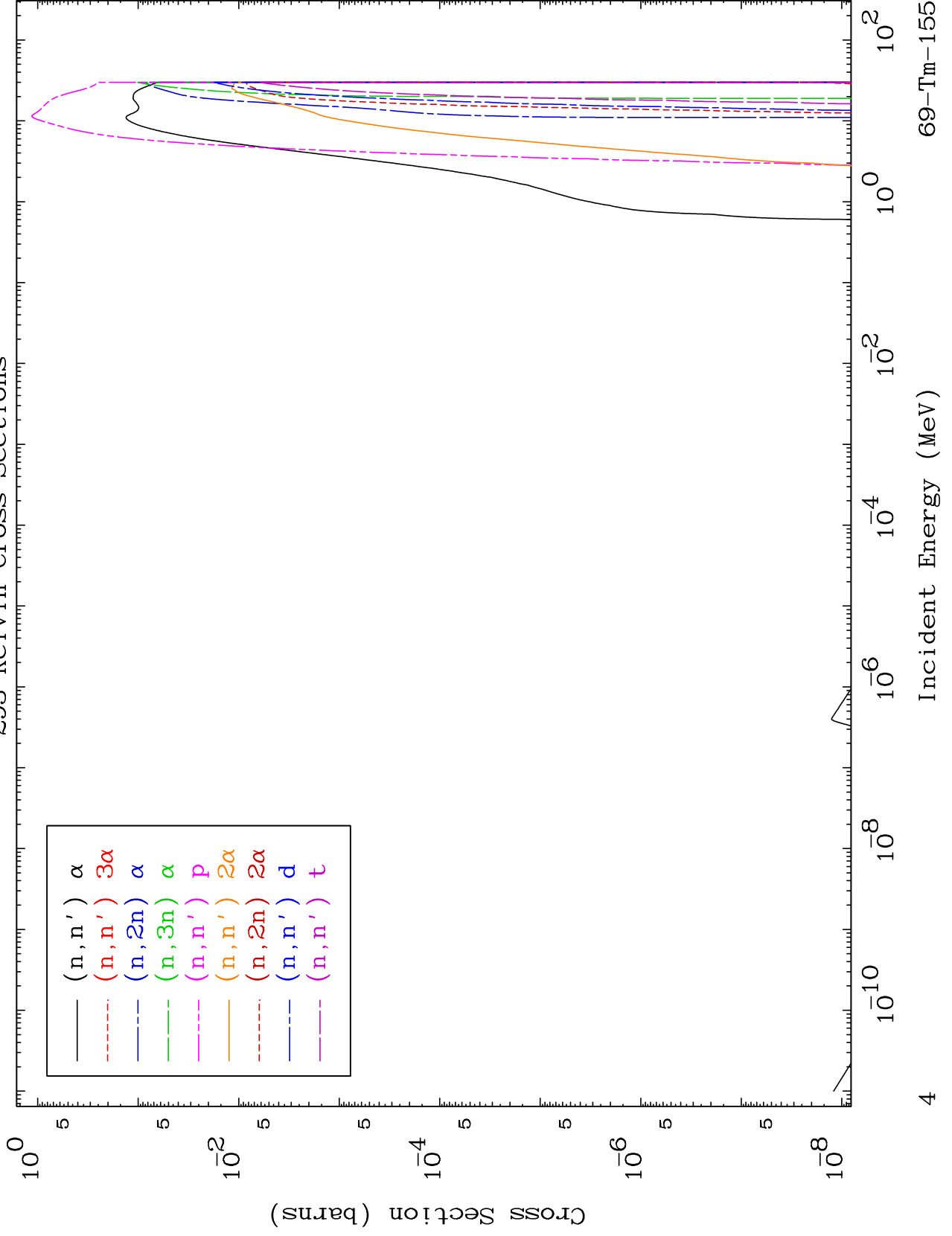




MAT 6884

Charged Particle
293 Kelvin Cross Sections

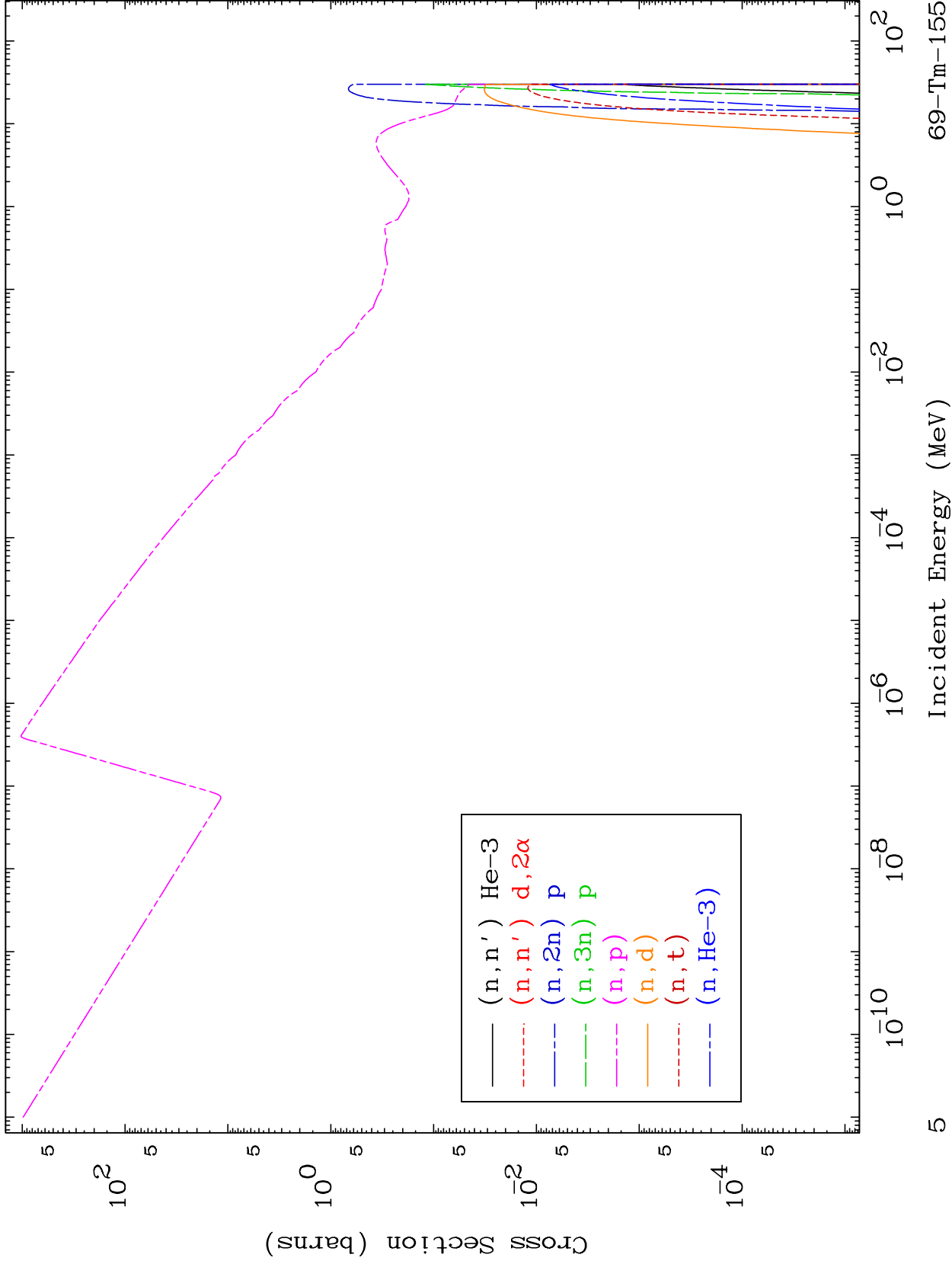
69-Tm-155



MAT 6884

Charged Particle
293 Kelvin Cross Sections

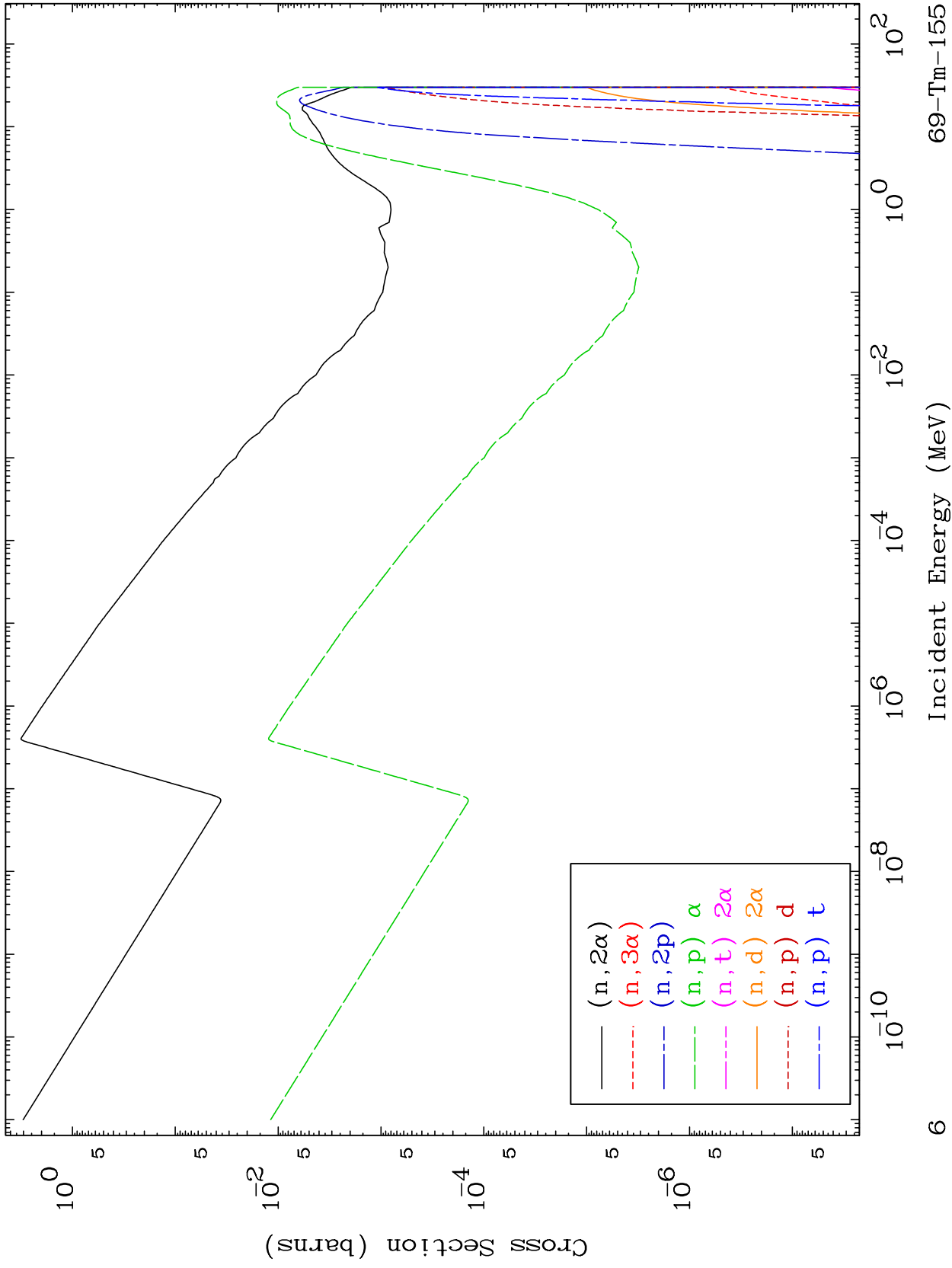
69-Tm-155



MAT 6884

Charged Particle
293 Kelvin Cross Sections

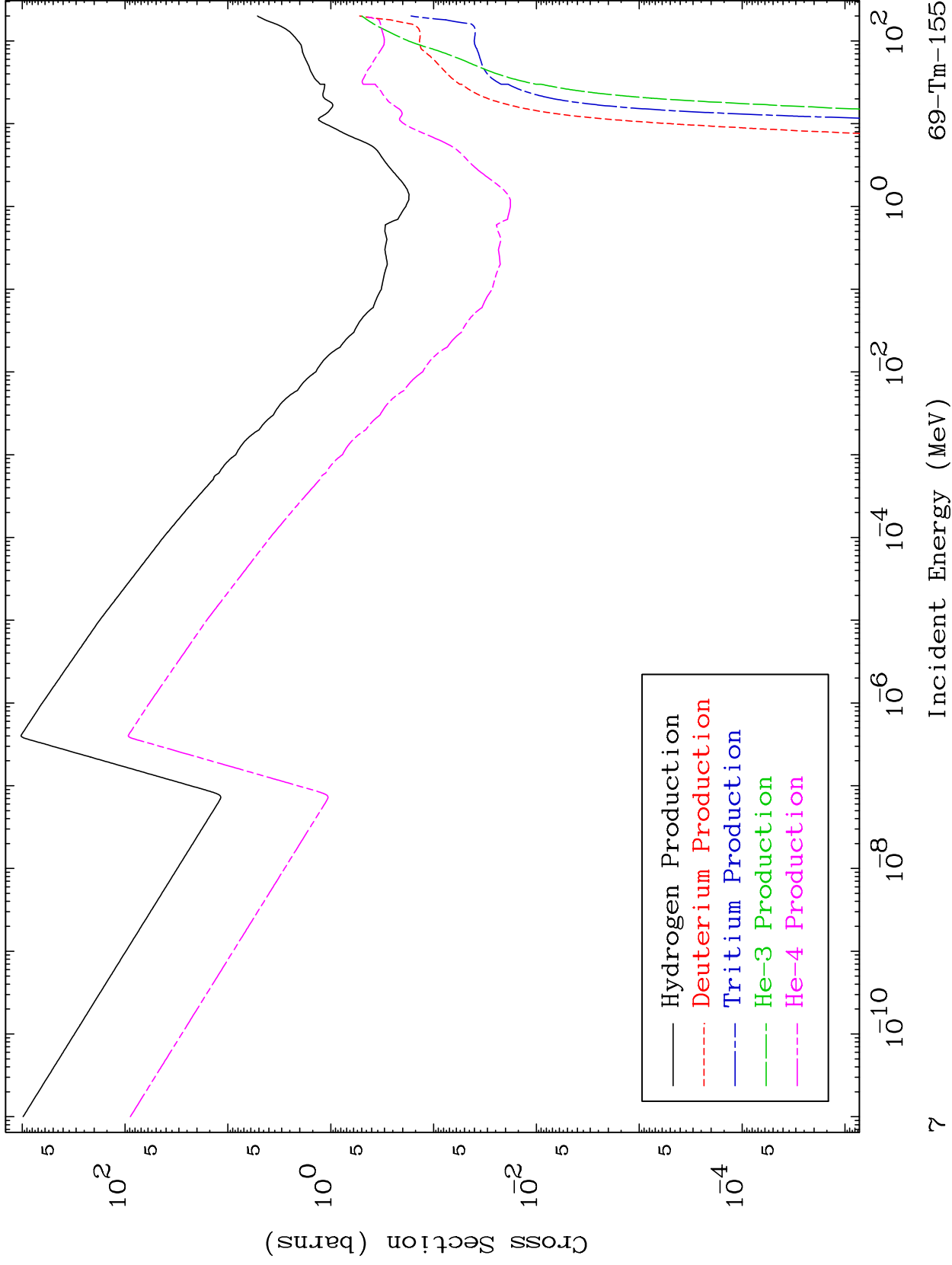
69-Tm-155



MAT 6884

Particle Production
293 Kelvin Cross Sections

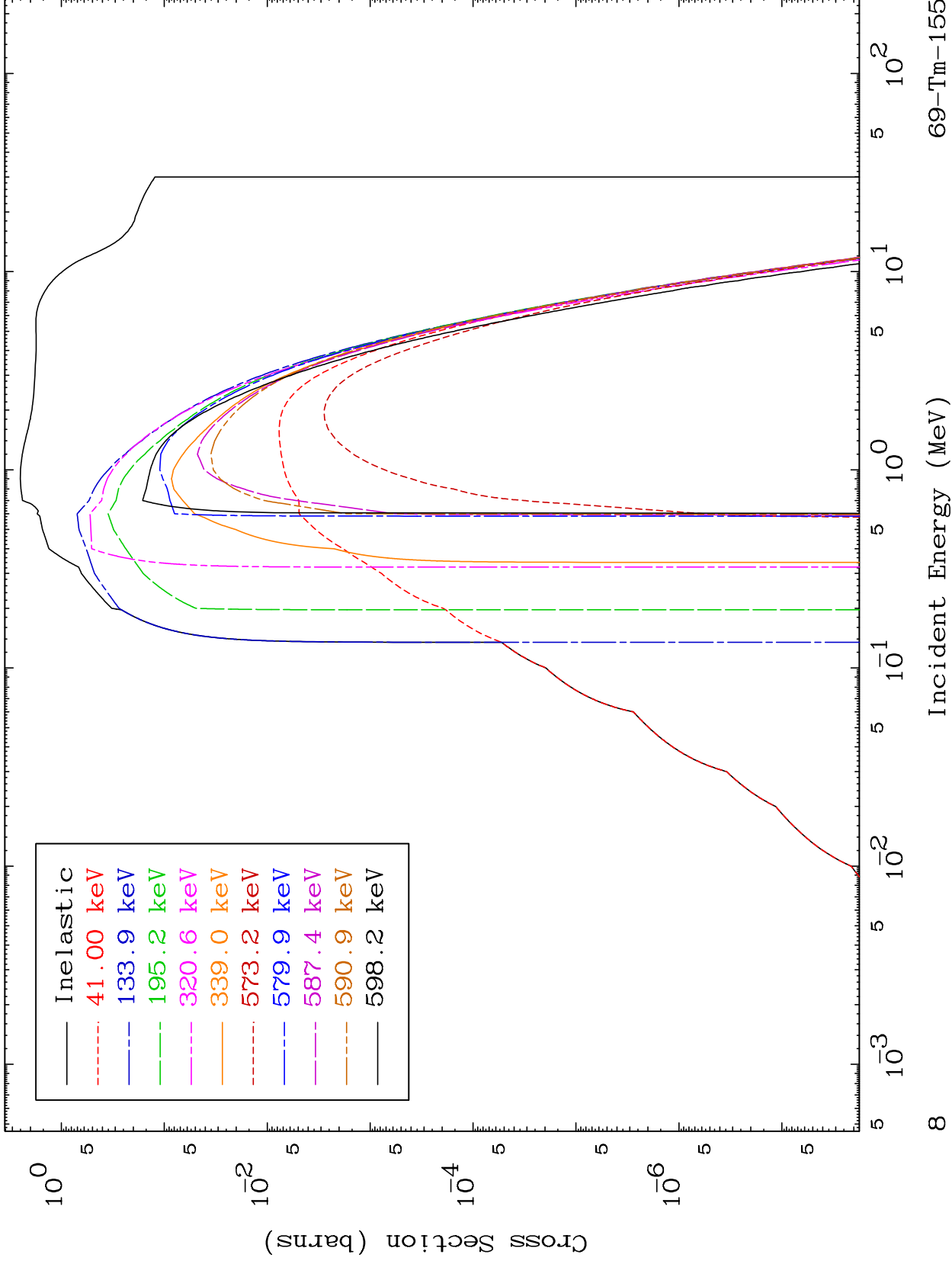
69-Tm-155



MAT 6884

(n,n') Level
293 Kelvin Cross Sections

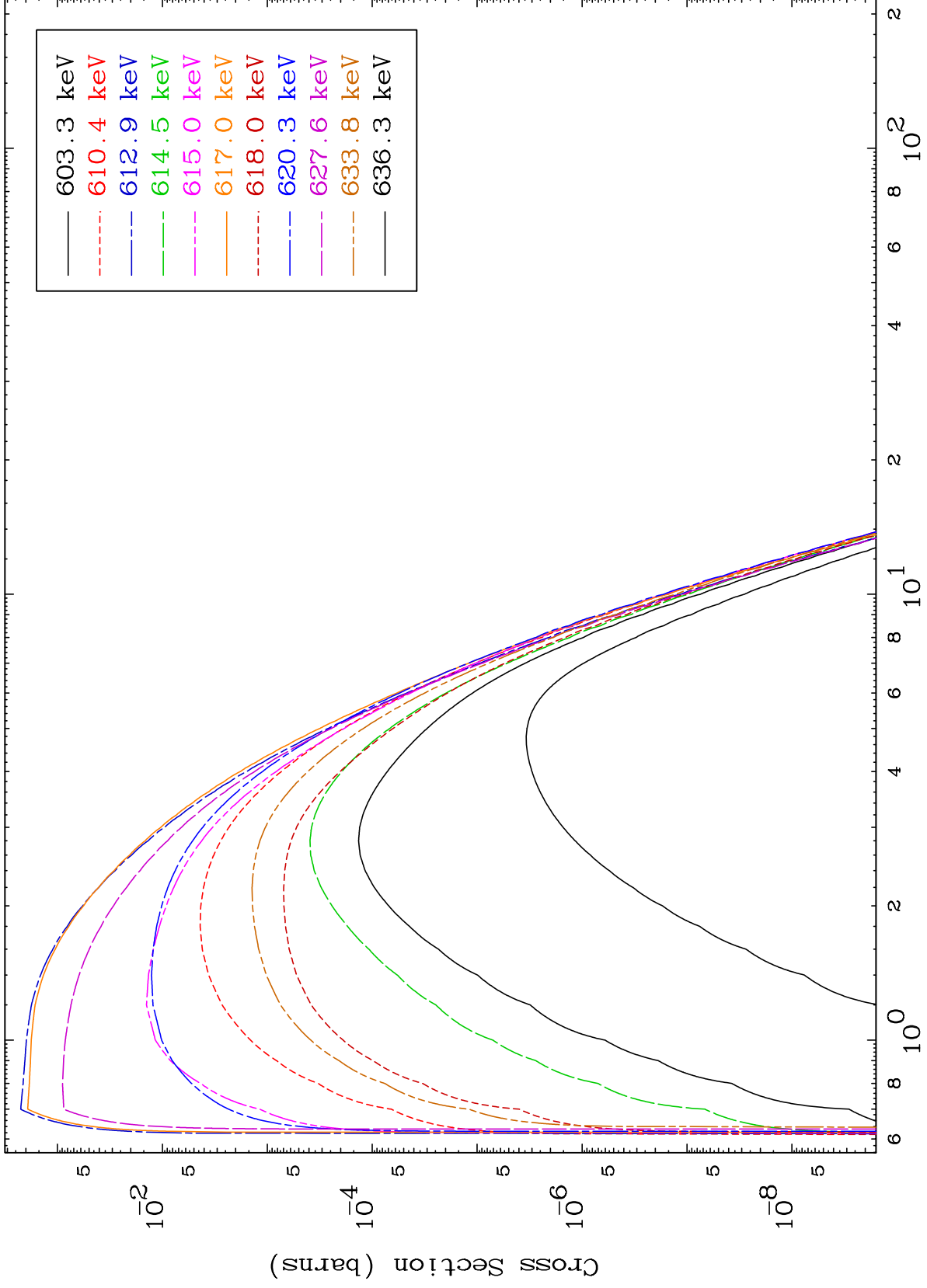
69-Tm-155



MAT 6884

(n,n') Level
293 Kelvin Cross Sections

69-Tm-155



9

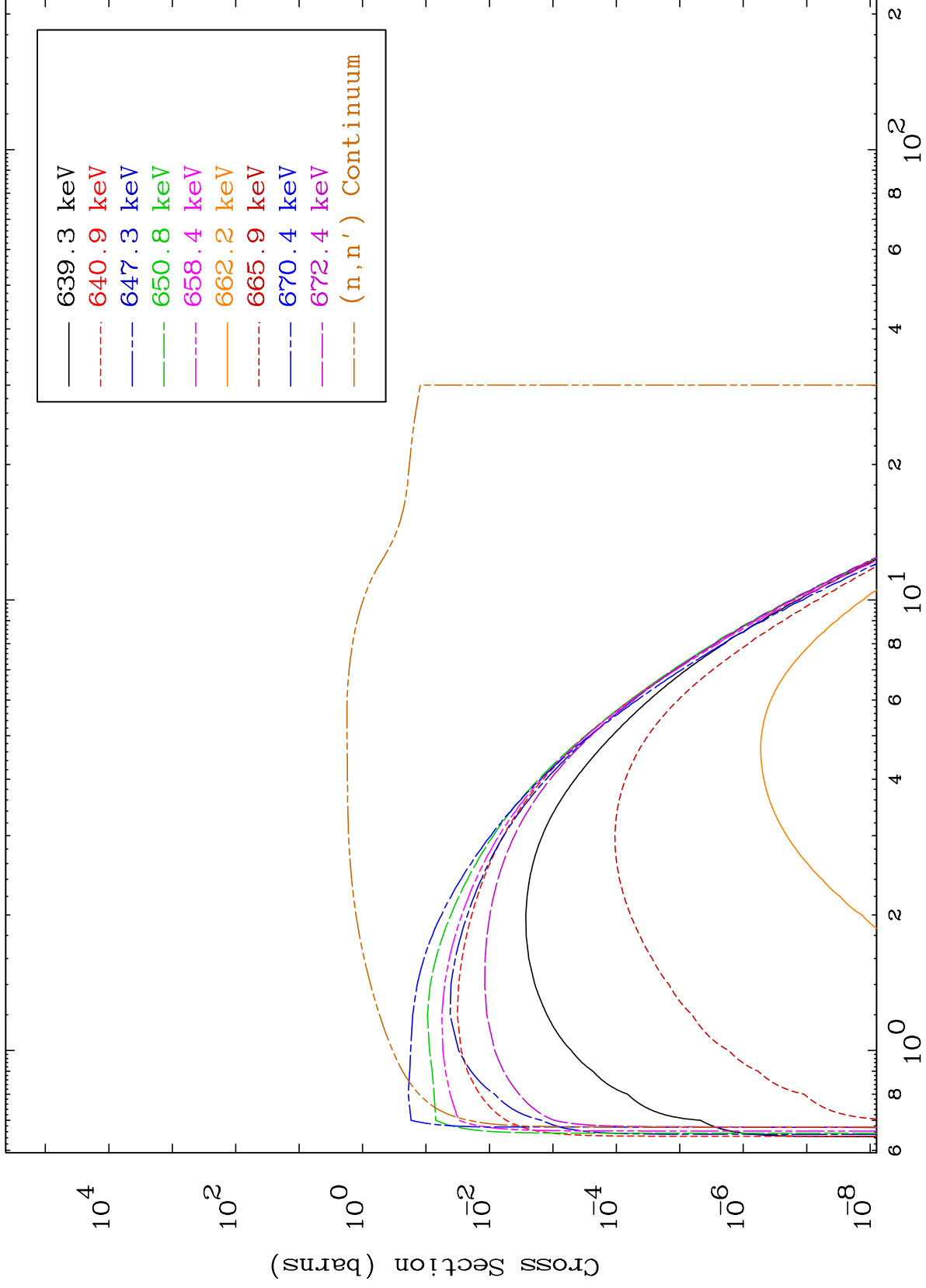
Incident Energy (MeV)

69-Tm-155

MAT 6884

(n,n') Level
293 Kelvin Cross Sections

69-Tm-155



10

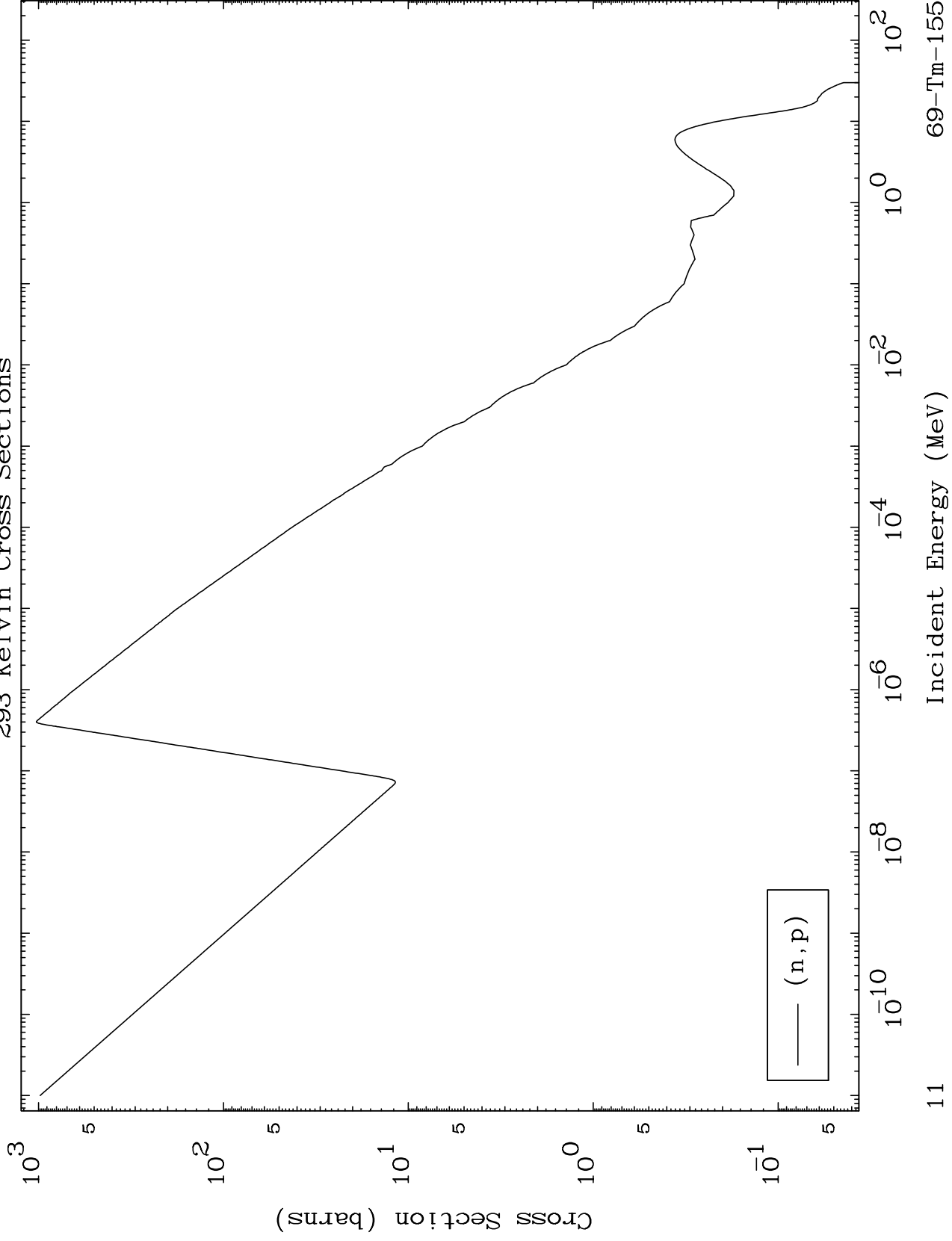
Incident Energy (MeV)

69-Tm-155

MAT 6884

(n,p) Levels
293 Kelvin Cross Sections

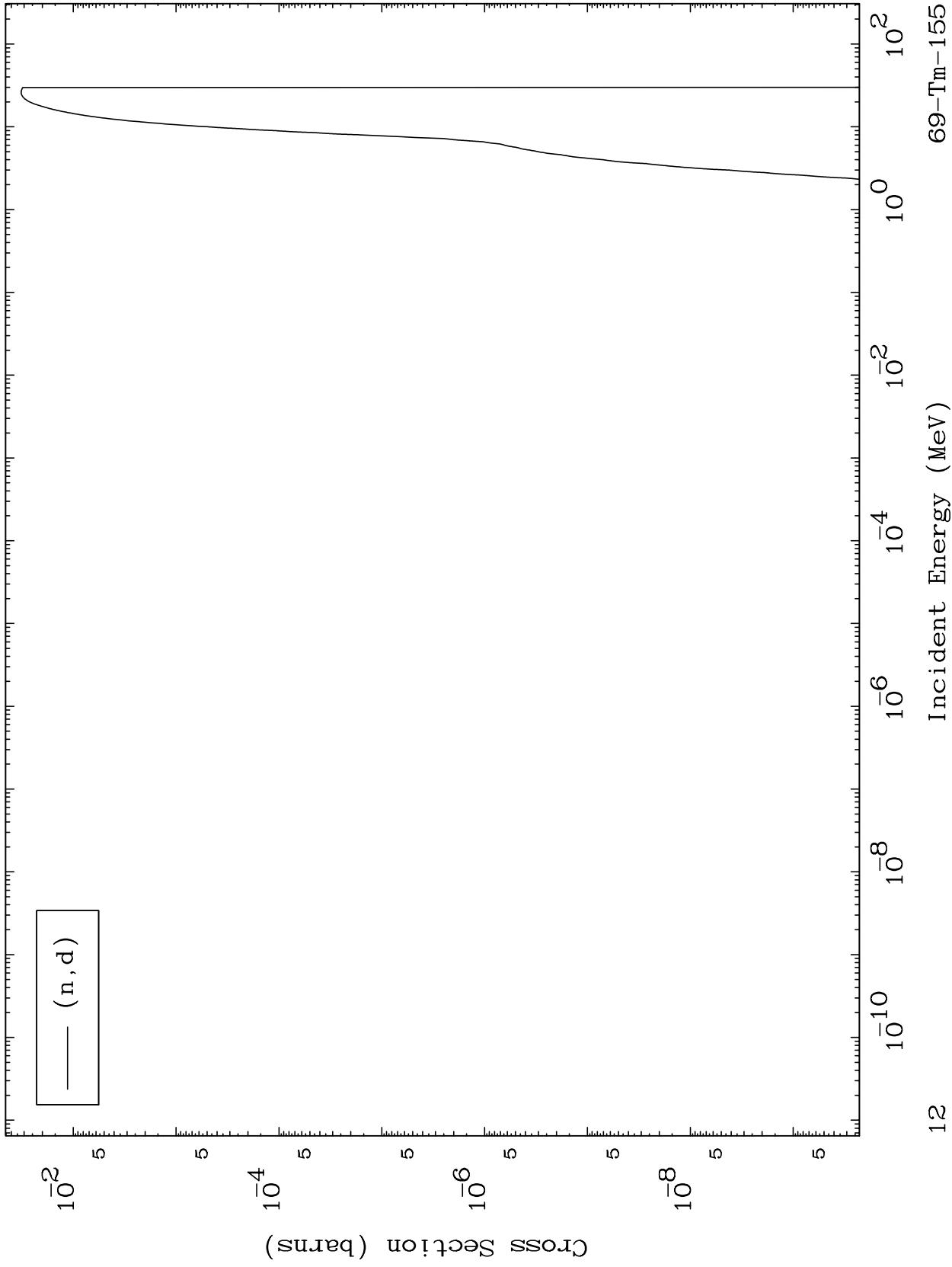
69-Tm-155



MAT 6884

(n,d) Levels
293 Kelvin Cross Sections

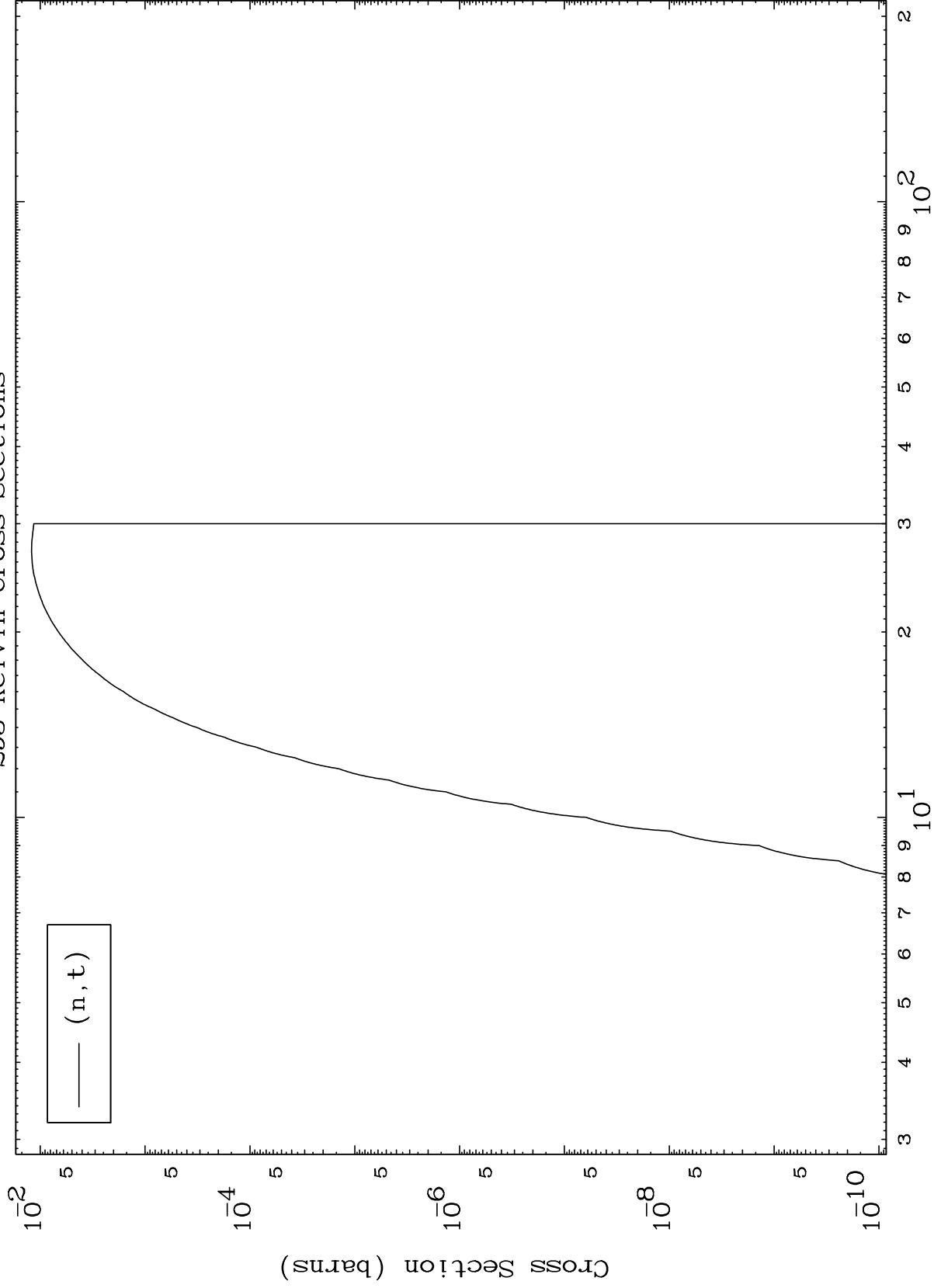
69-Tm-155



MAT 6884

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-155



13

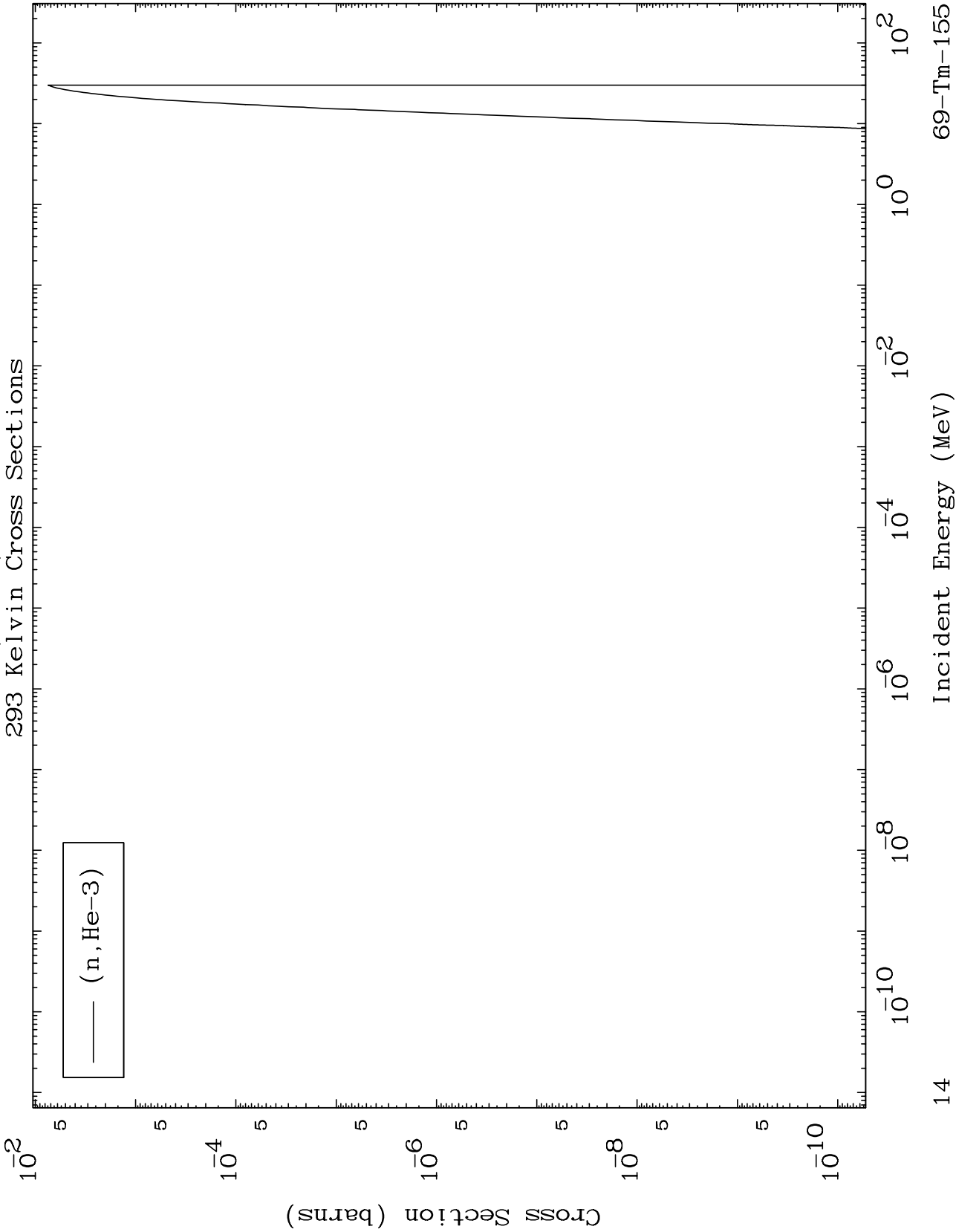
Incident Energy (MeV)

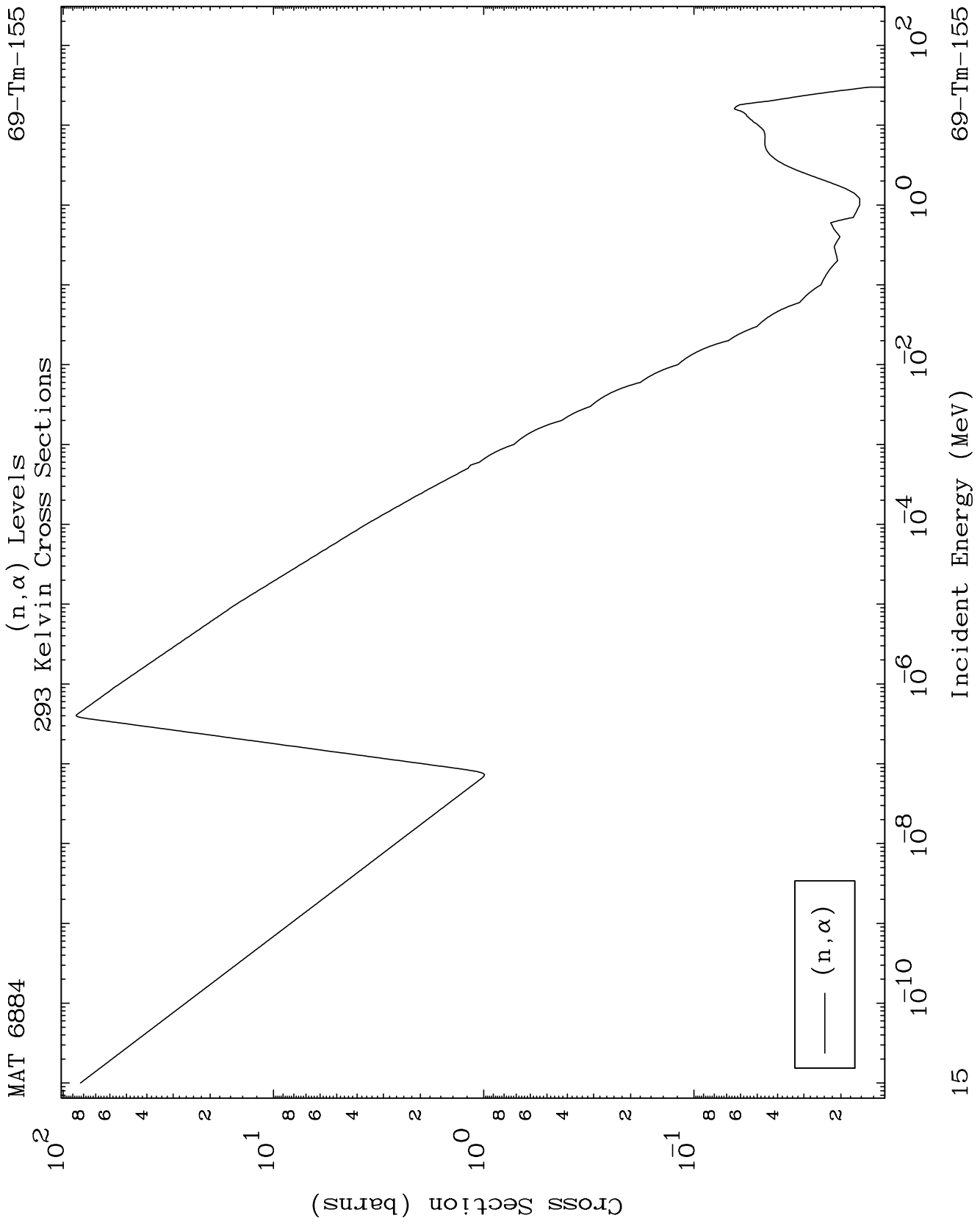
69-Tm-155

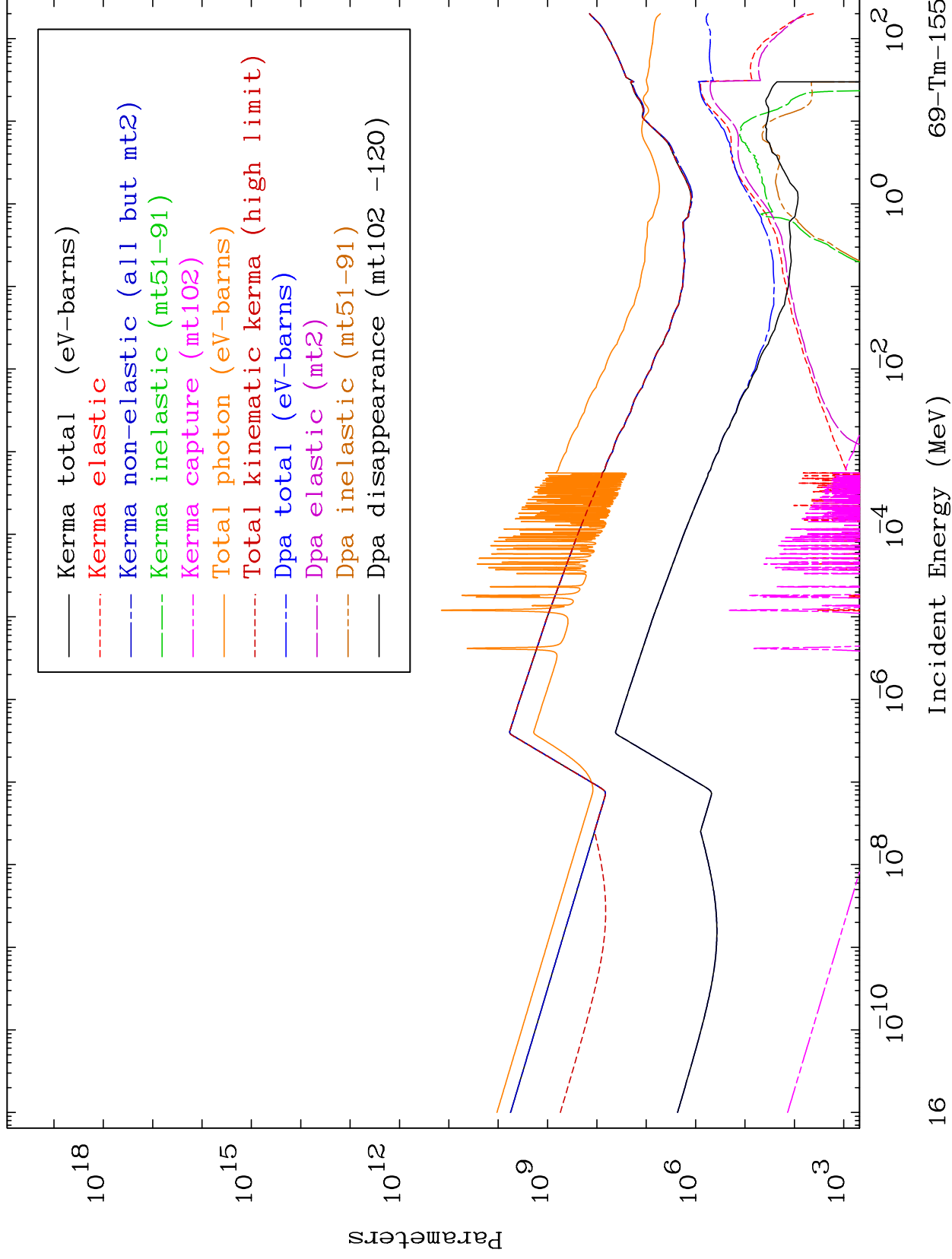
MAT 6884

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-155



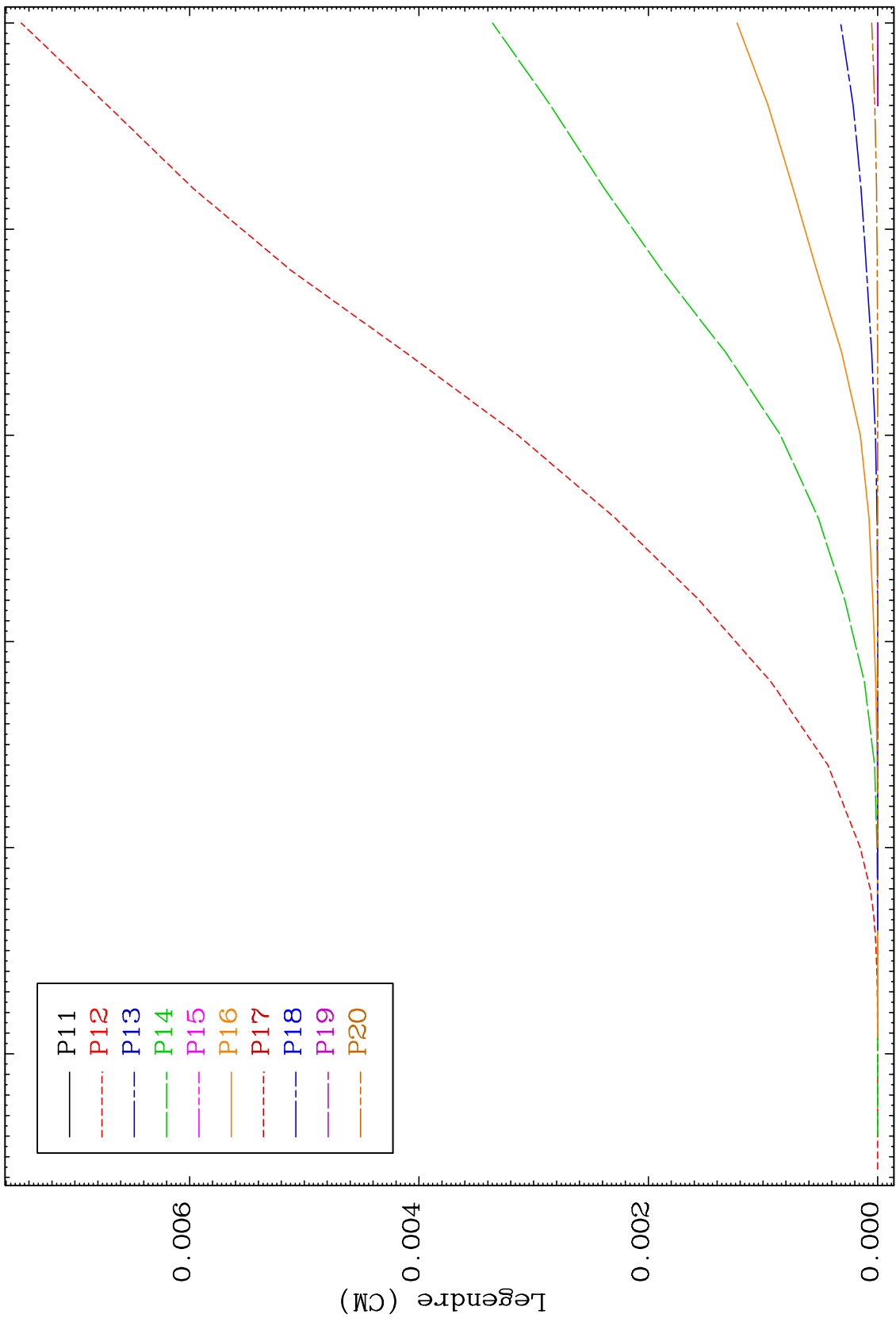




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Elastic
Legendre Coefficients

69-Tm-155



18

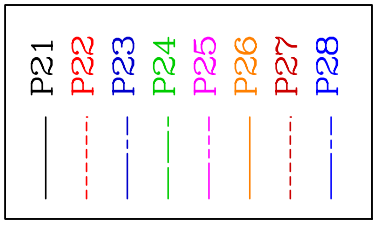
Incident Energy (MeV)

69-Tm-155

MAT 6884

Elastic Legendre Coefficients

69-Tm-155



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

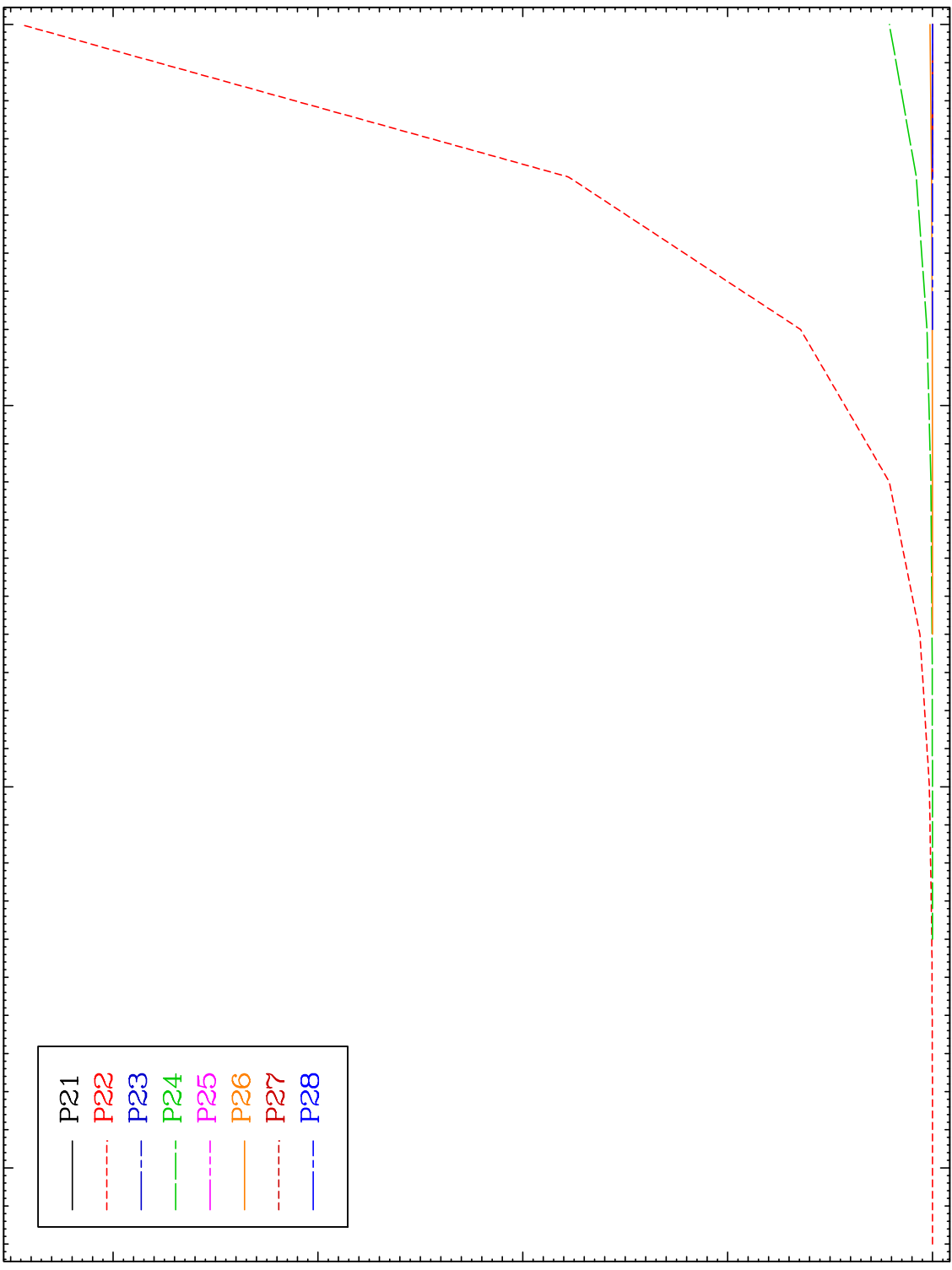
25

30

19

Incident Energy (MeV)

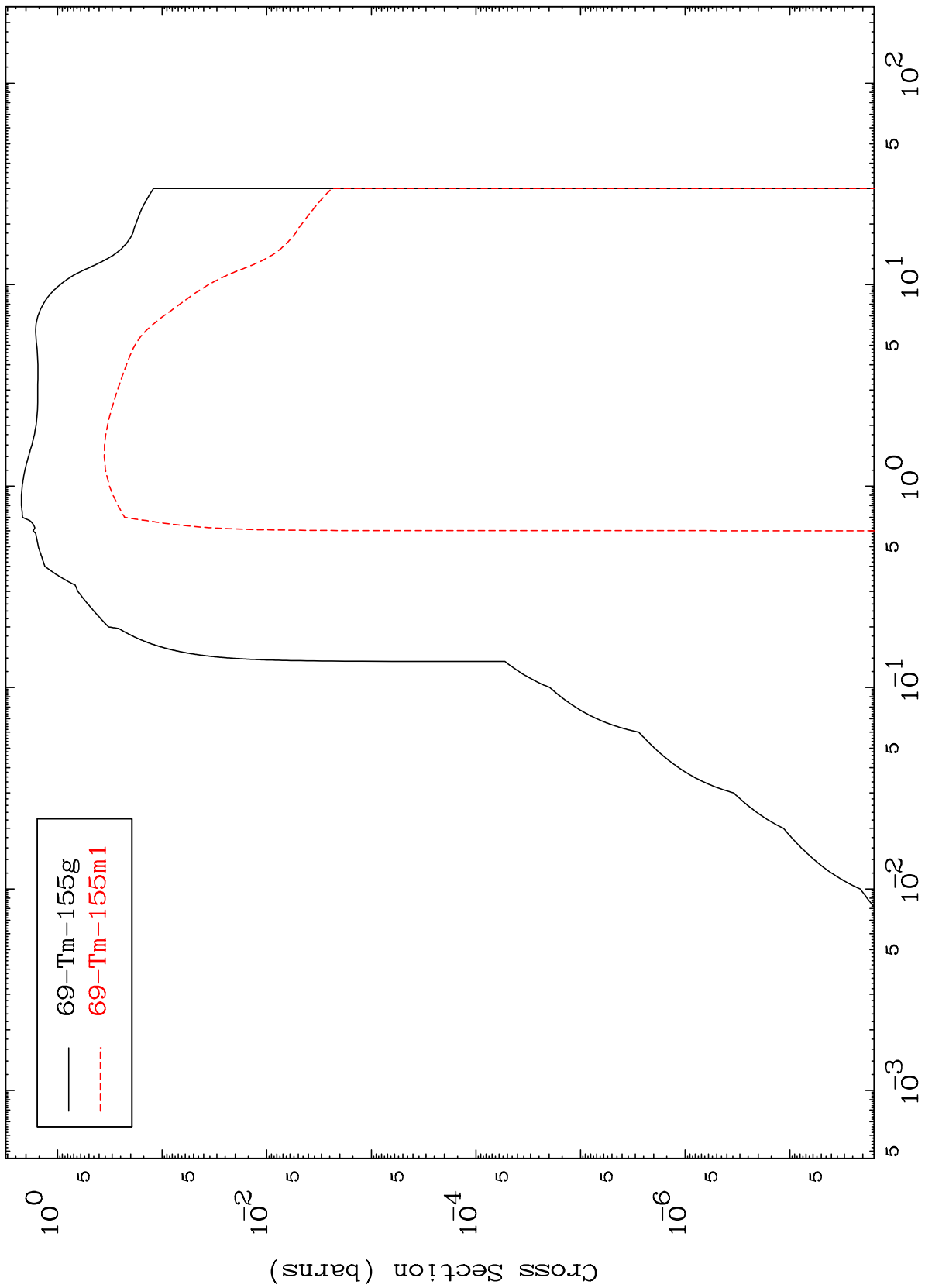
69-Tm-155



MAT 6884

69-Tm-155

Inelastic
Radionuclide Production Cross Section



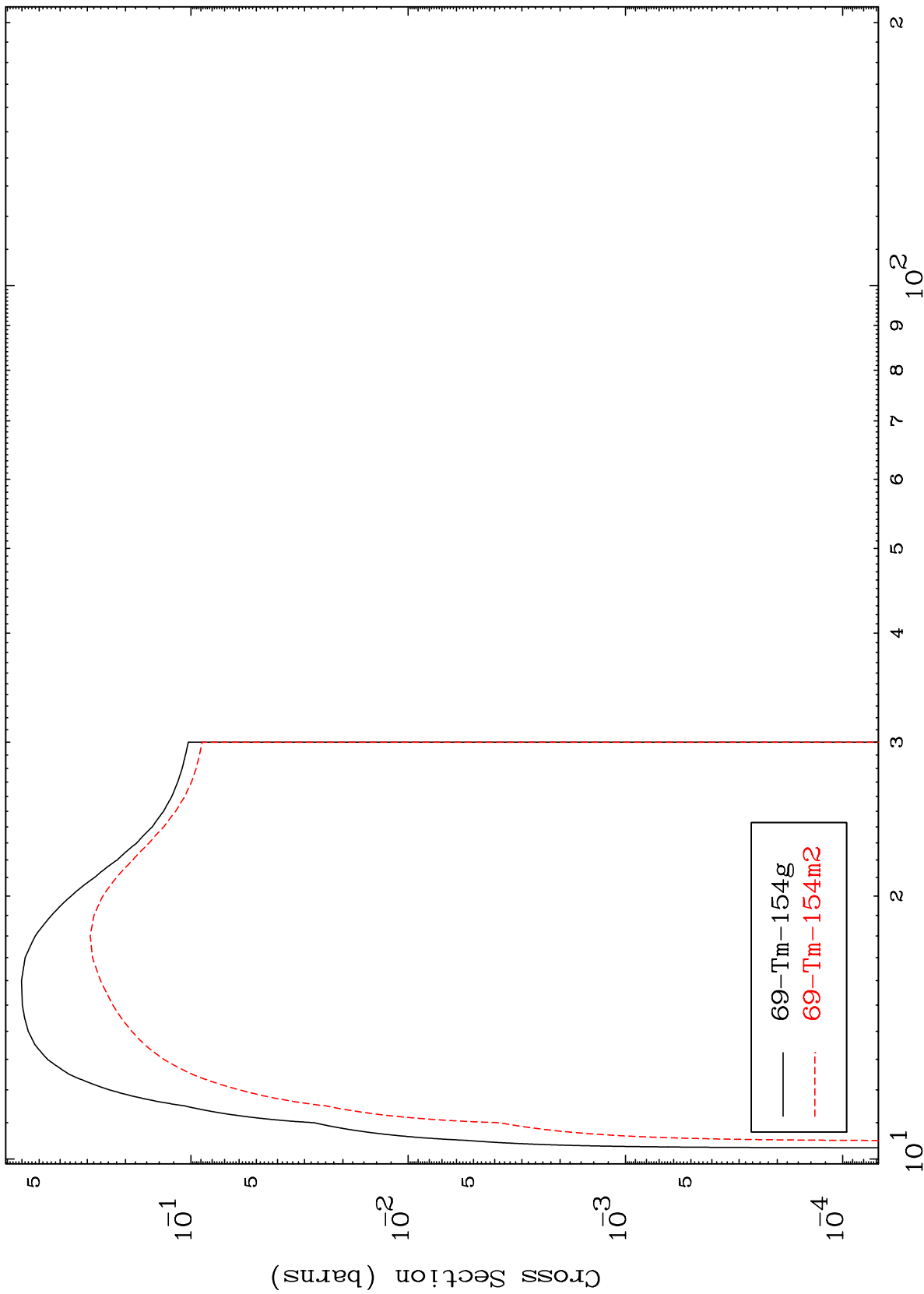
20

69-Tm-155

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69-Tm-155

(n,2n)
Radionuclide Production Cross Section



69-Tm-155

Incident Energy (MeV)

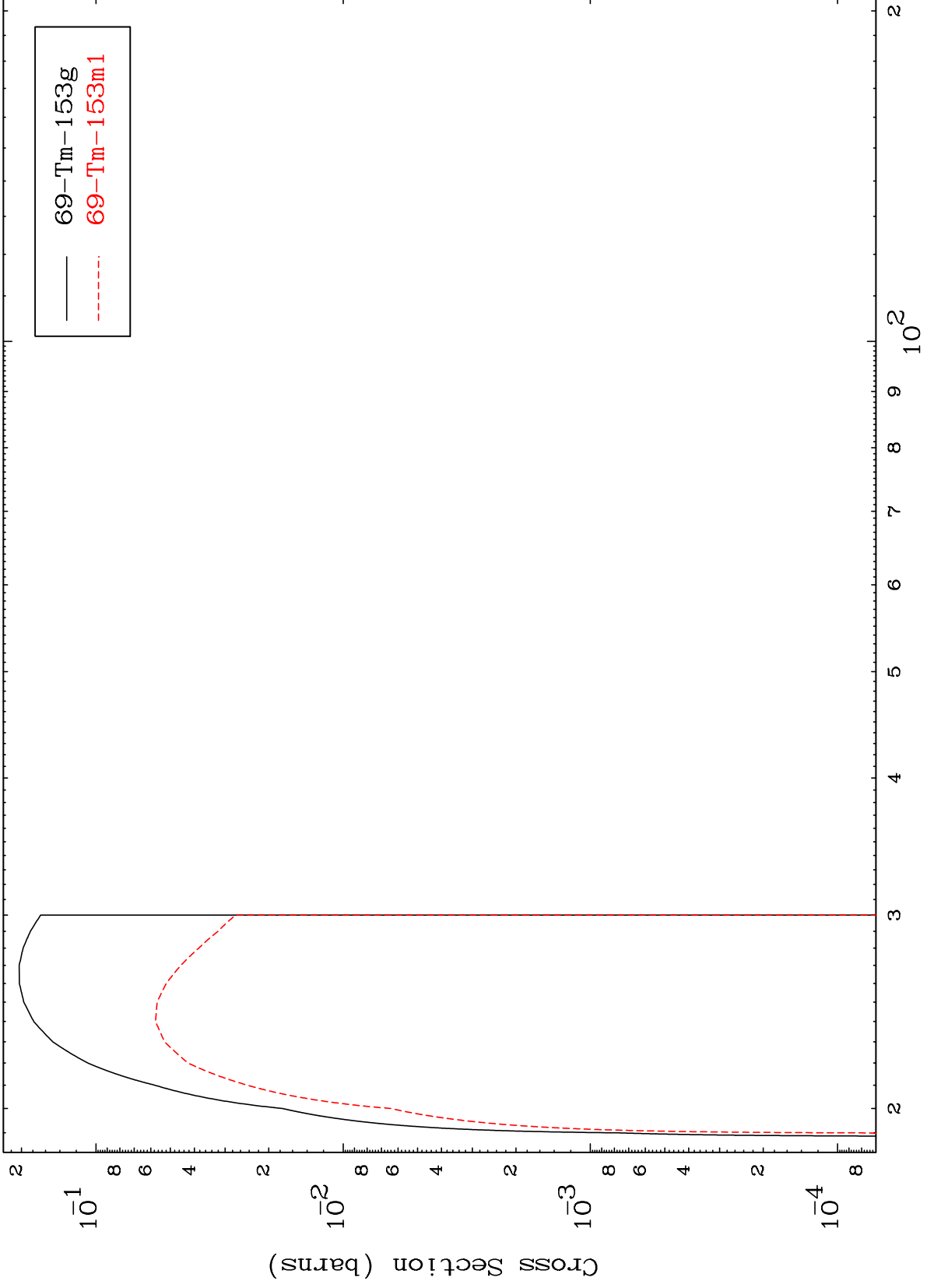
21

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(n,3n)

69-Tm-155

Radionuclide Production Cross Section



22

Incident Energy (MeV)

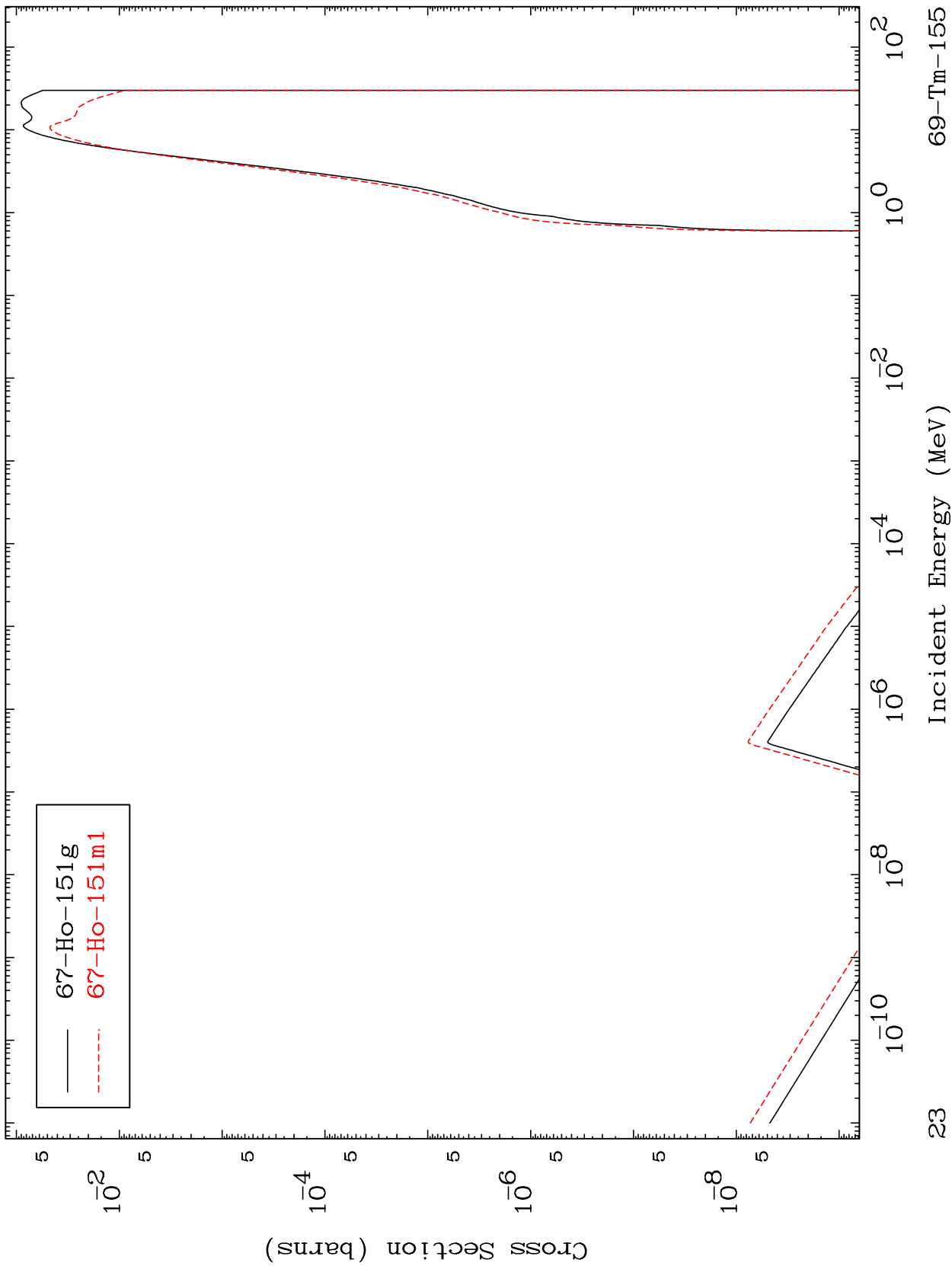
69-Tm-155

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(n, n') α

69-Tm-155

Radionuclide Production Cross Section

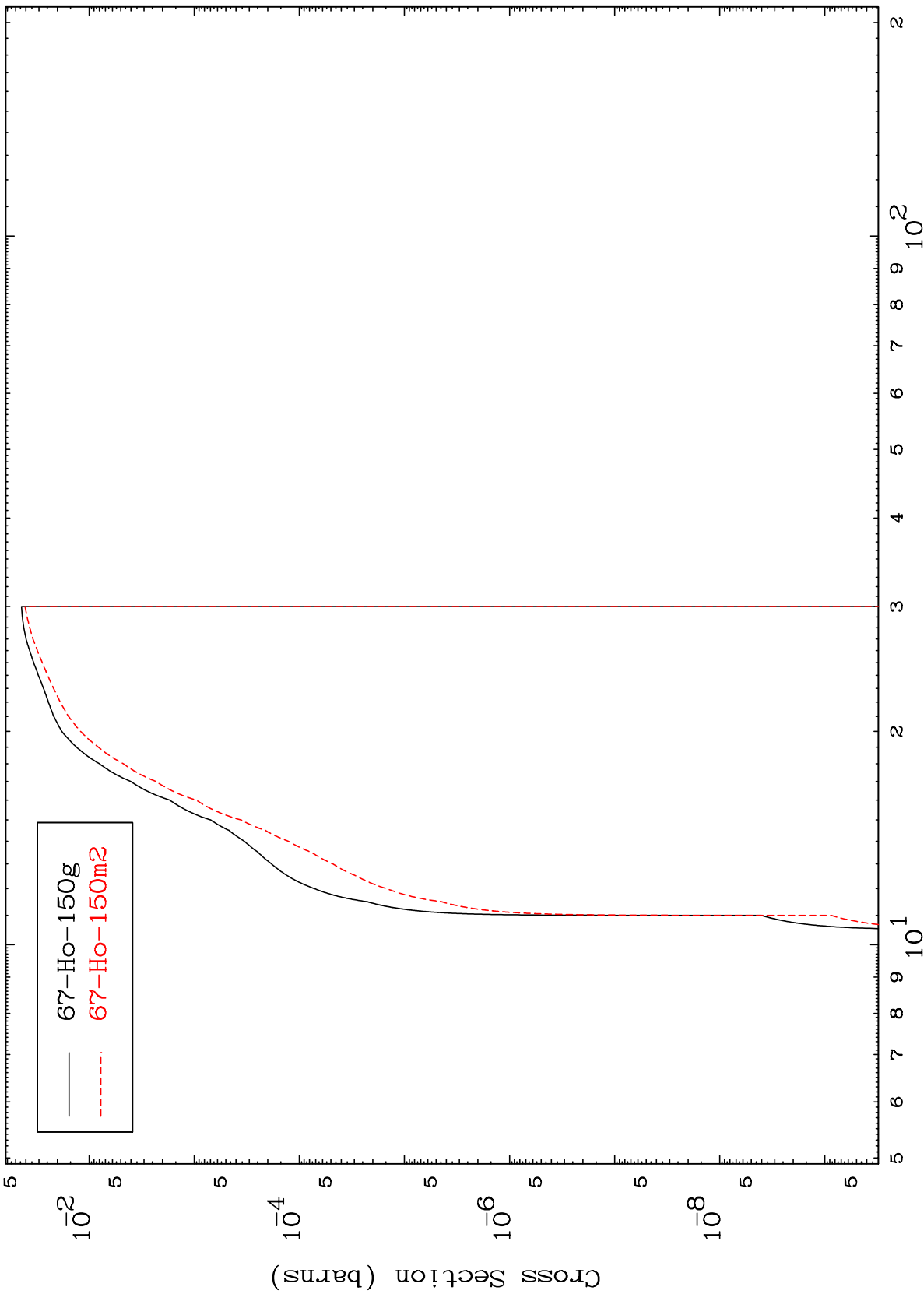


MAT 6884

$(n,2n) \alpha$

69-Tm-155

Radionuclide Production Cross Section



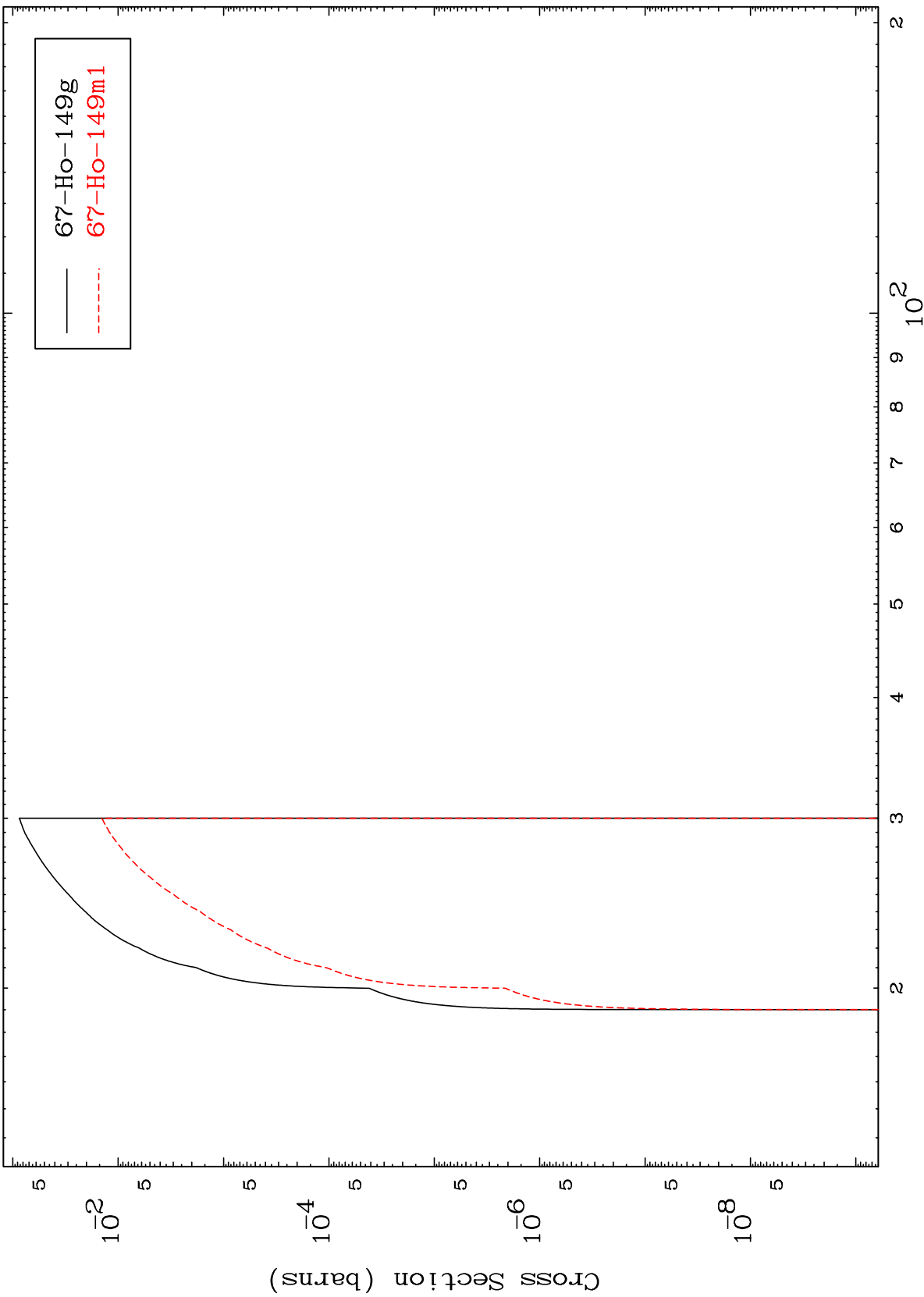
67-Ho-150g
67-Ho-150m2

24

Incident Energy (MeV)

69-Tm-155

Radionuclide Production Cross Section



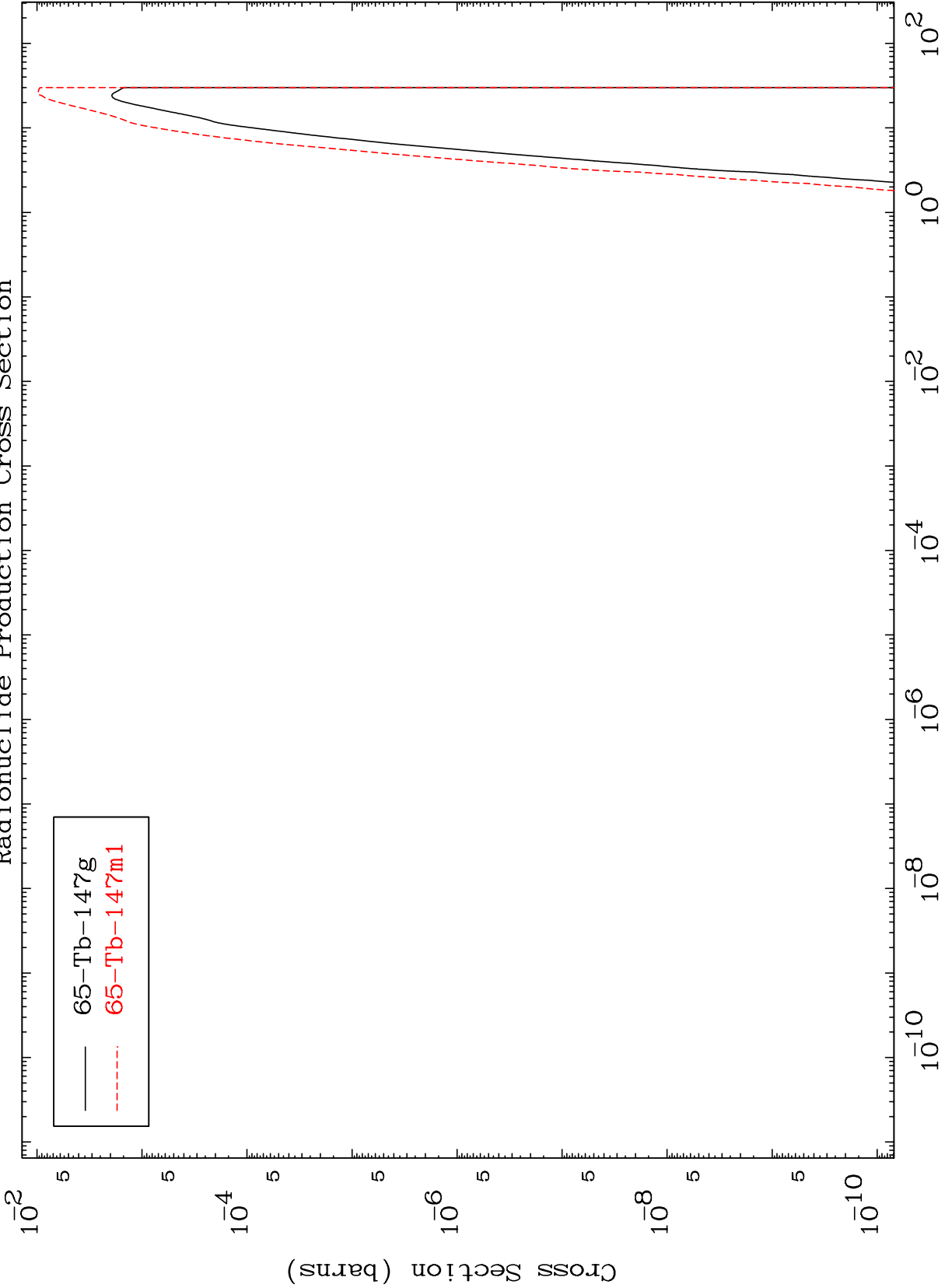
67-Ho-149g
67-Ho-149m1

MAT 6884

(n,n') 2α

69-Tm-155

Radionuclide Production Cross Section

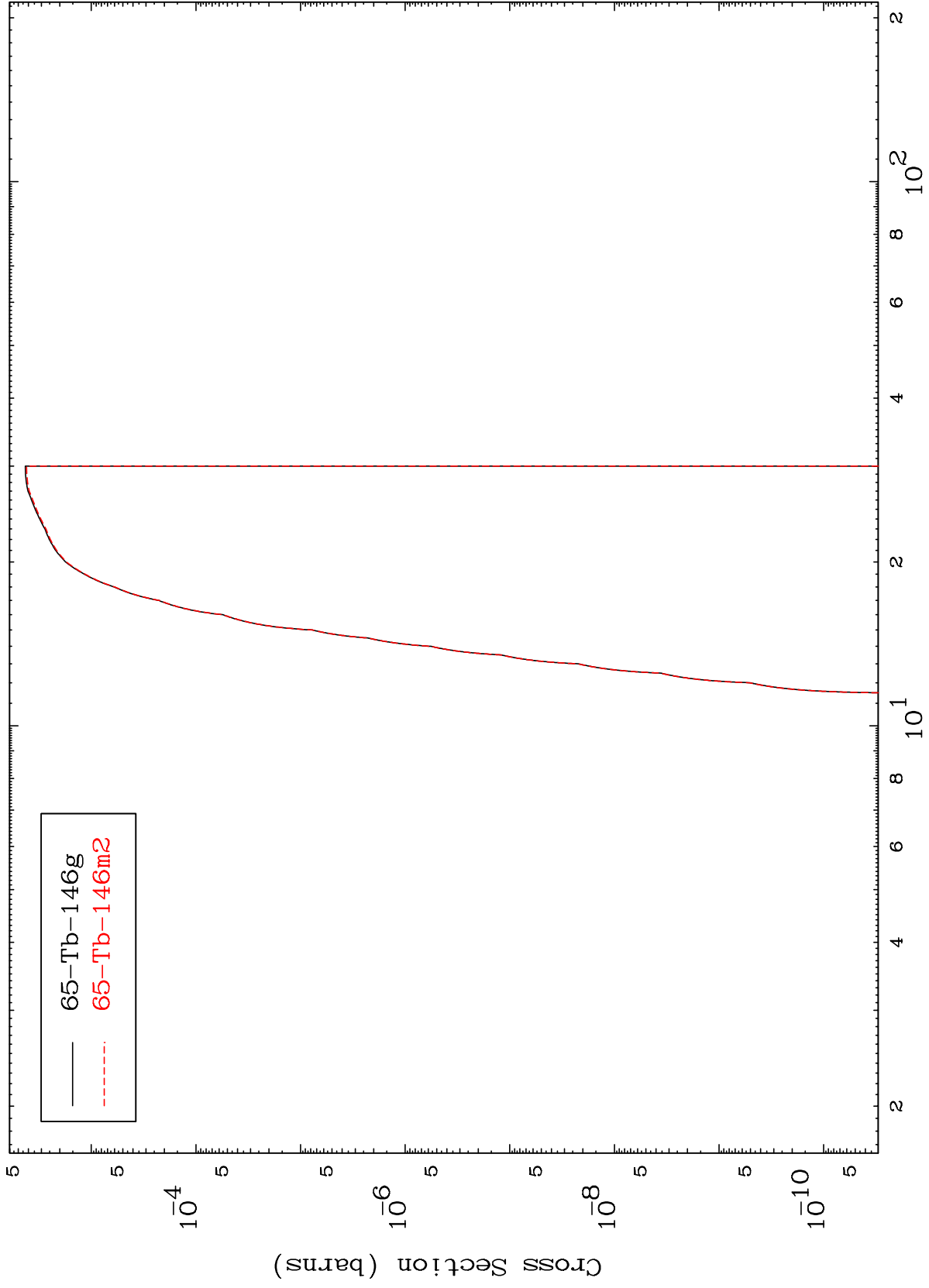


MAT 6884

(n,2n) 2α

69-Tm-155

Radionuclide Production Cross Section



27

Incident Energy (MeV)

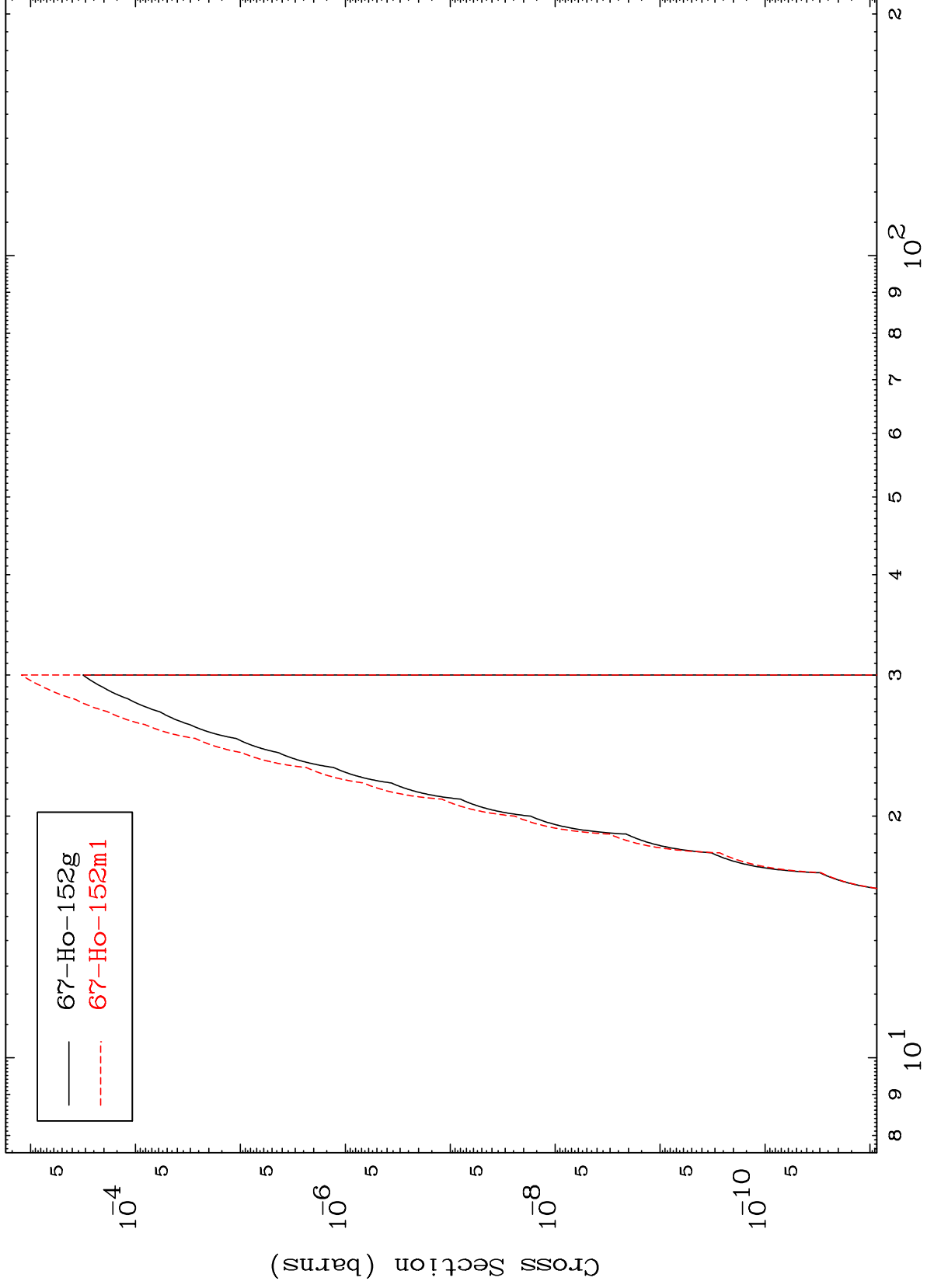
69-Tm-155

MAT 6884

(n,n') He-3

69-Tm-155

Radionuclide Production Cross Section



28

Incident Energy (MeV)

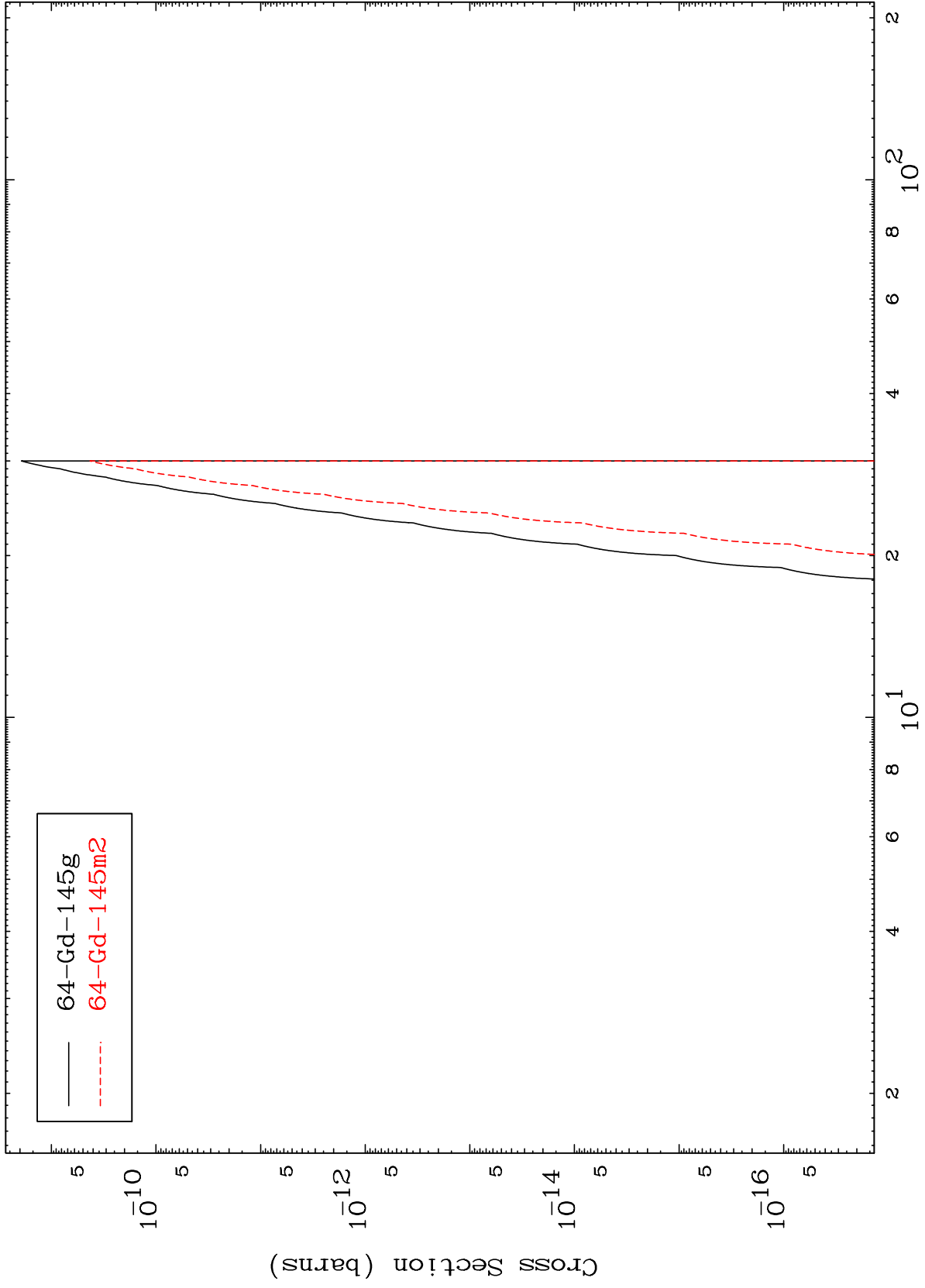
69-Tm-155

MAT 6884

(n,n') d,2α

69-Tm-155

Radionuclide Production Cross Section



29

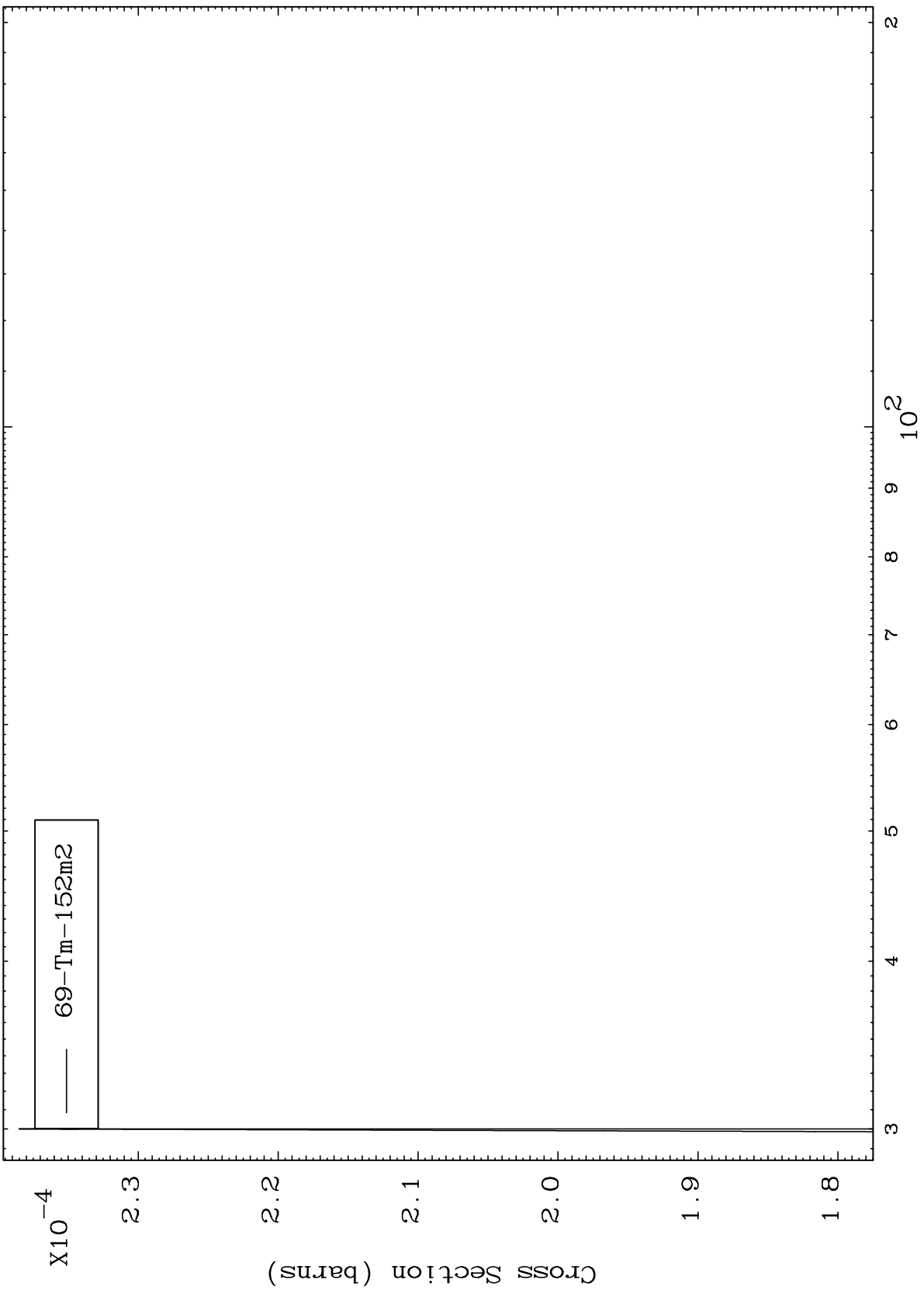
Incident Energy (MeV)

69-Tm-155

MAT 6884

69-Tm-155

(n,4n)
Radionuclide Production Cross Section



30

69-Tm-155

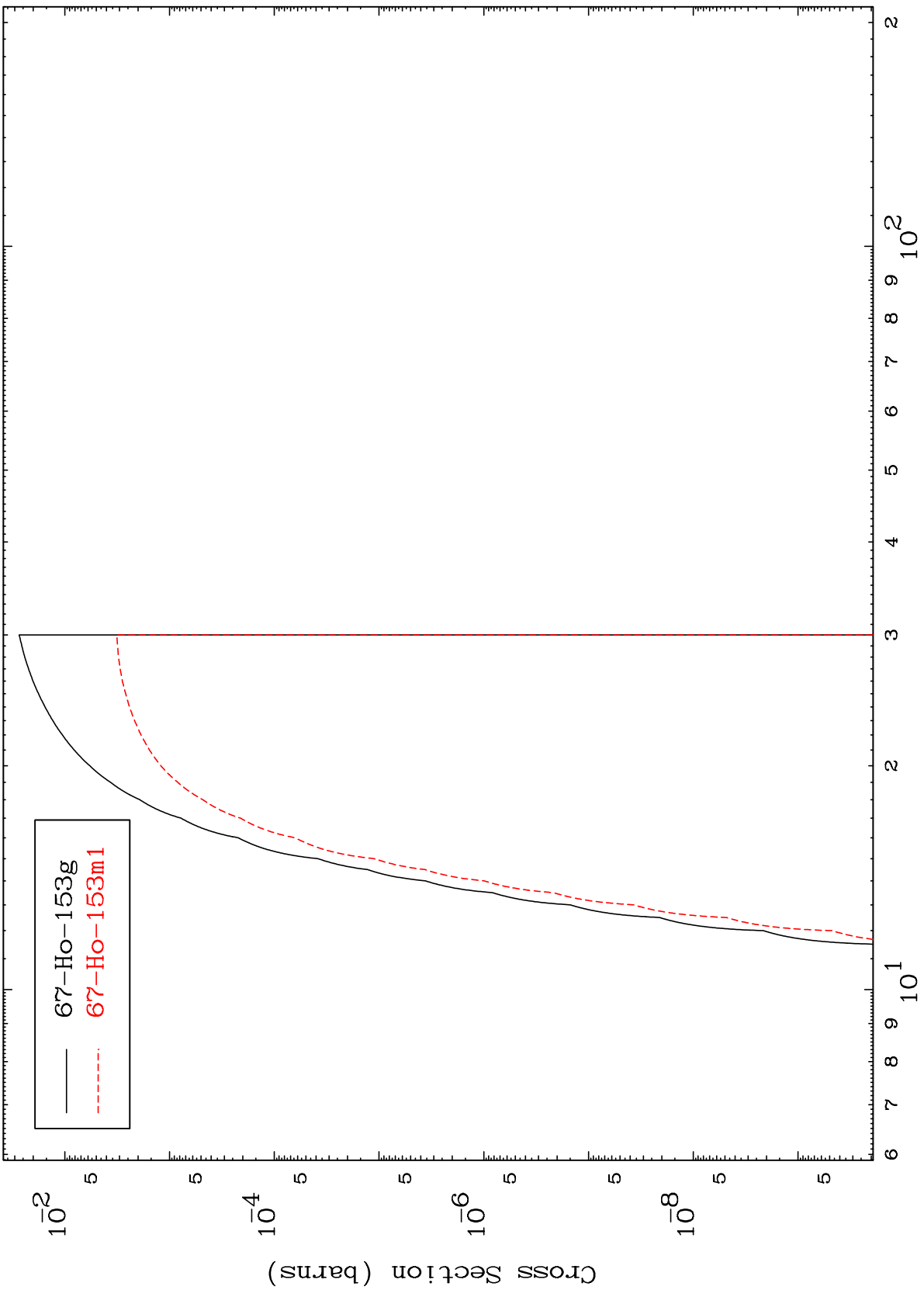
Incident Energy (MeV)

MAT 6884

(n,2n) p

69-Tm-155

Radionuclide Production Cross Section



— 67-Ho-153g
- - - 67-Ho-153m1

31

Incident Energy (MeV)

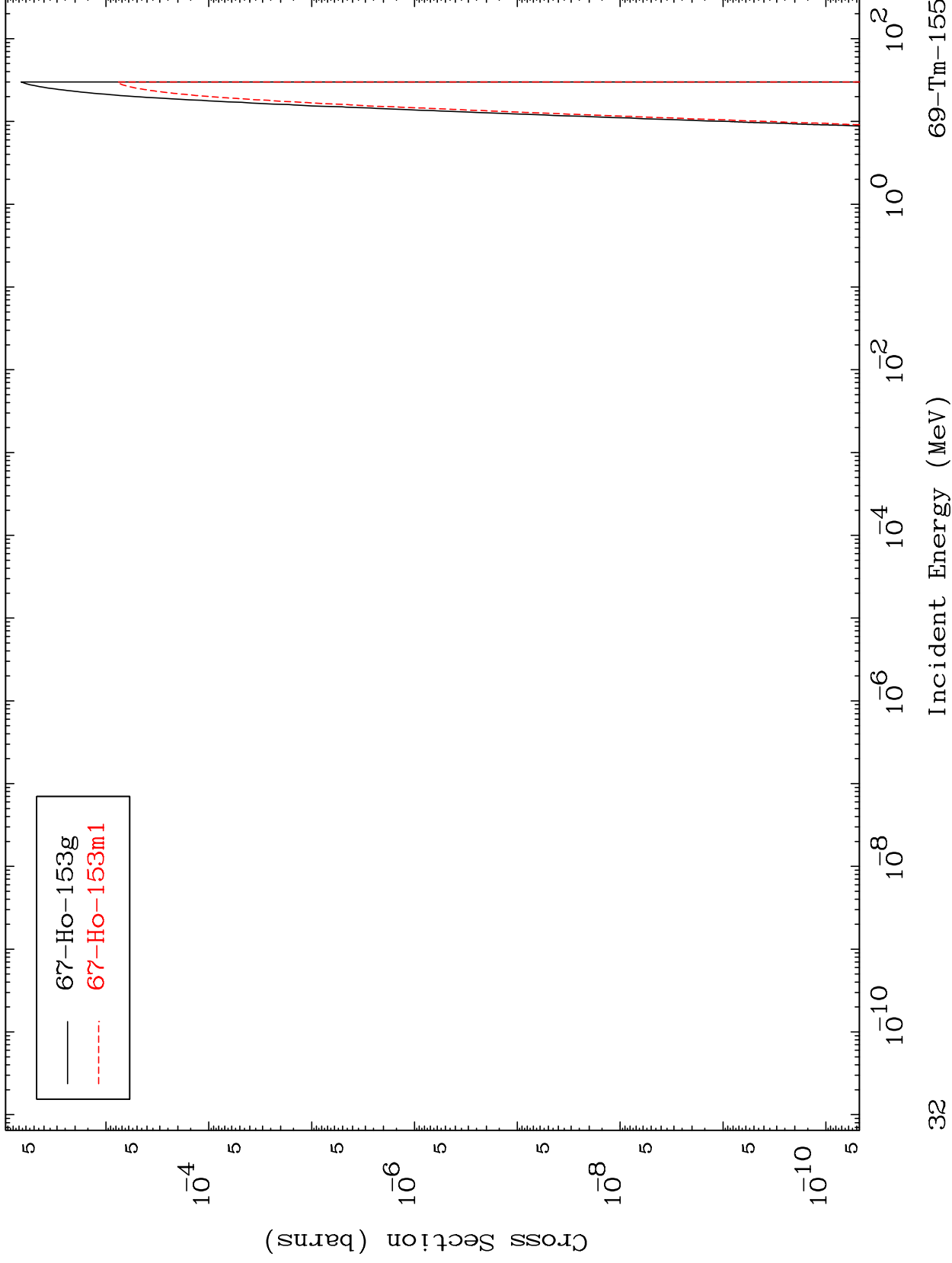
69-Tm-155

MAT 6884

(n,He-3)

69-Tm-155

Radionuclide Production Cross Section



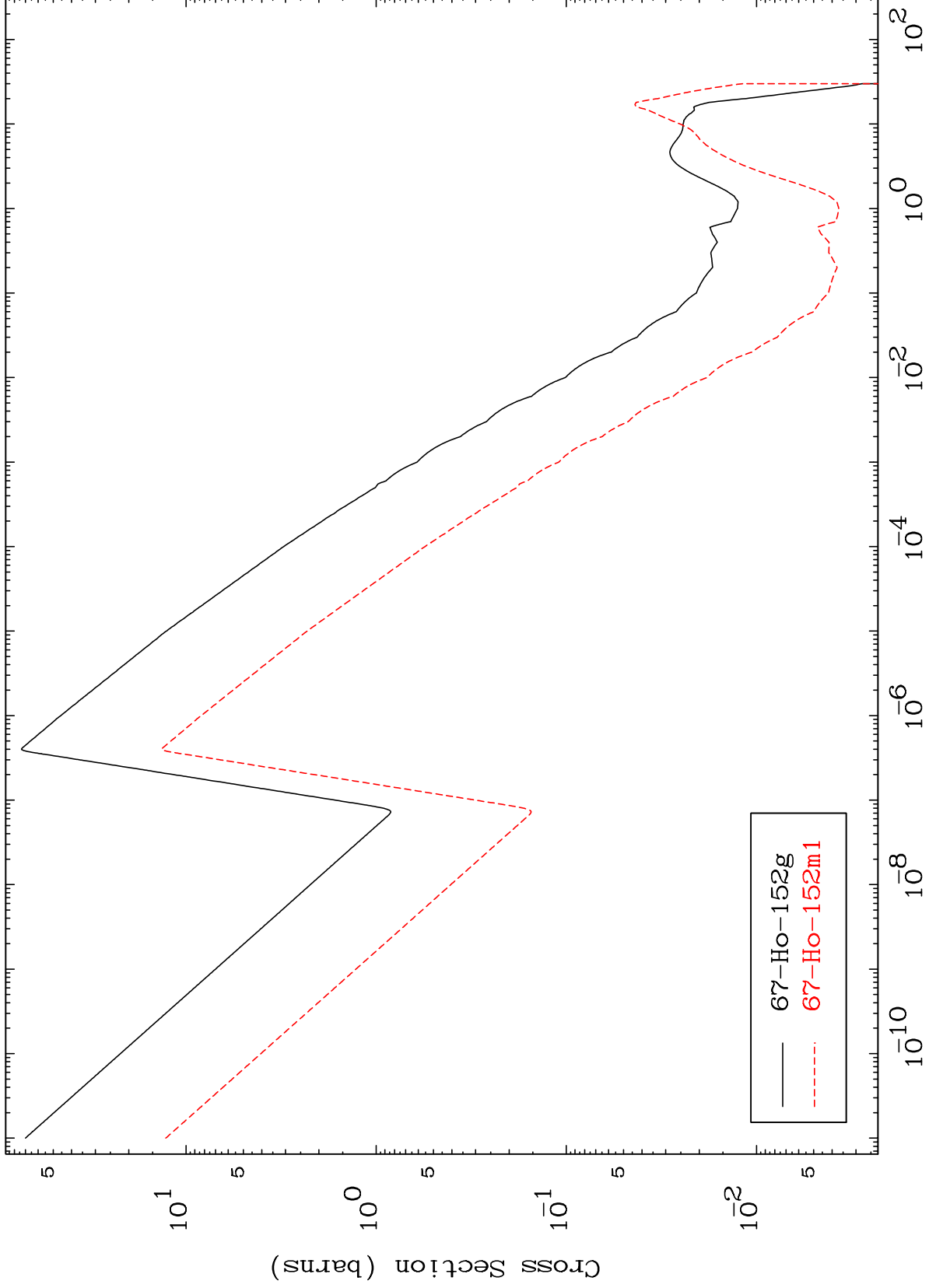
32

MAT 6884

69-Tm-155

Radionuclide Production Cross Section

(n, α)



33

Incident Energy (MeV)

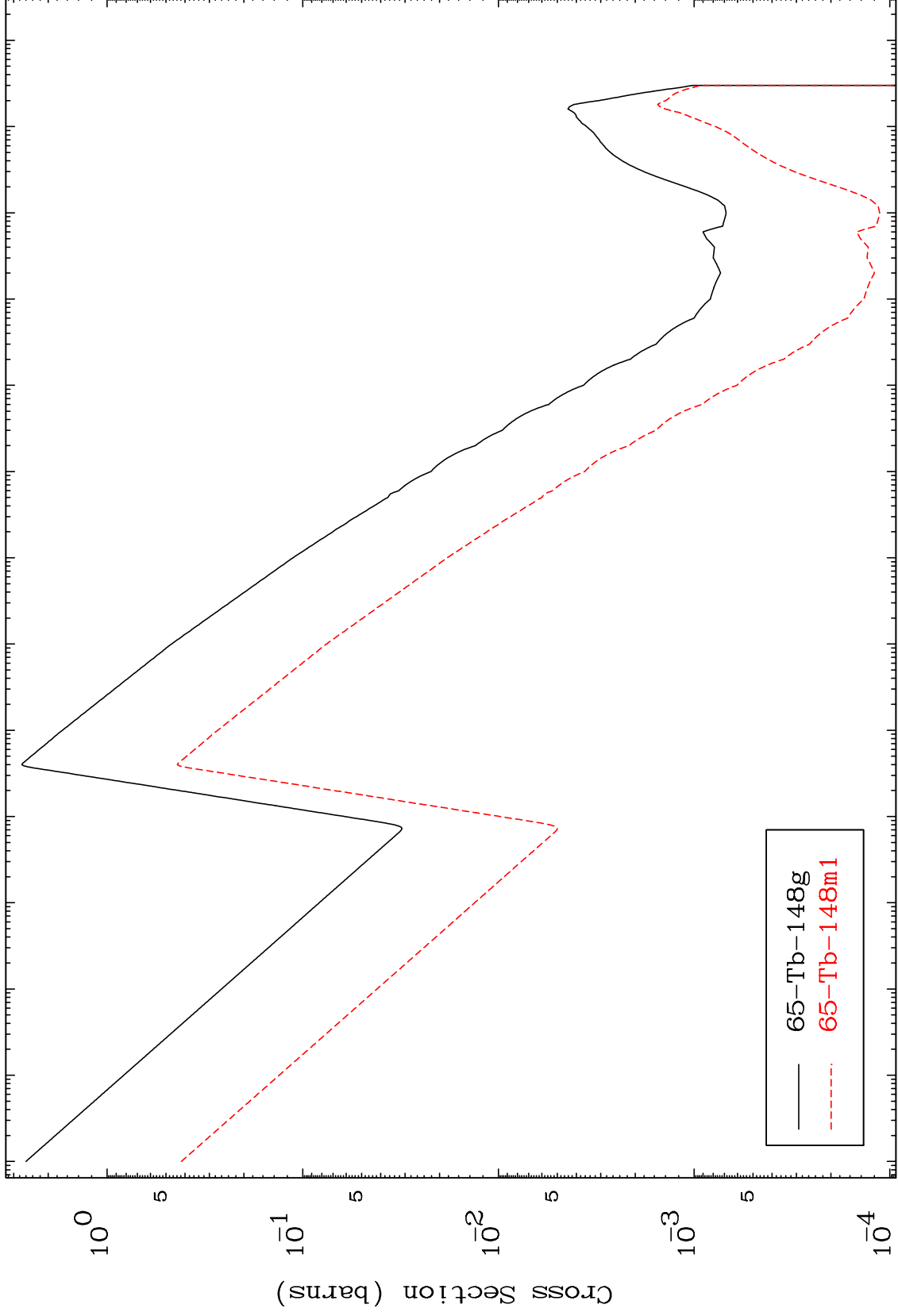
69-Tm-155

MAT 6884

(n,2α)

69-Tm-155

Radionuclide Production Cross Section



69-Tm-155

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

Incident Energy (MeV)

69-Tm-155

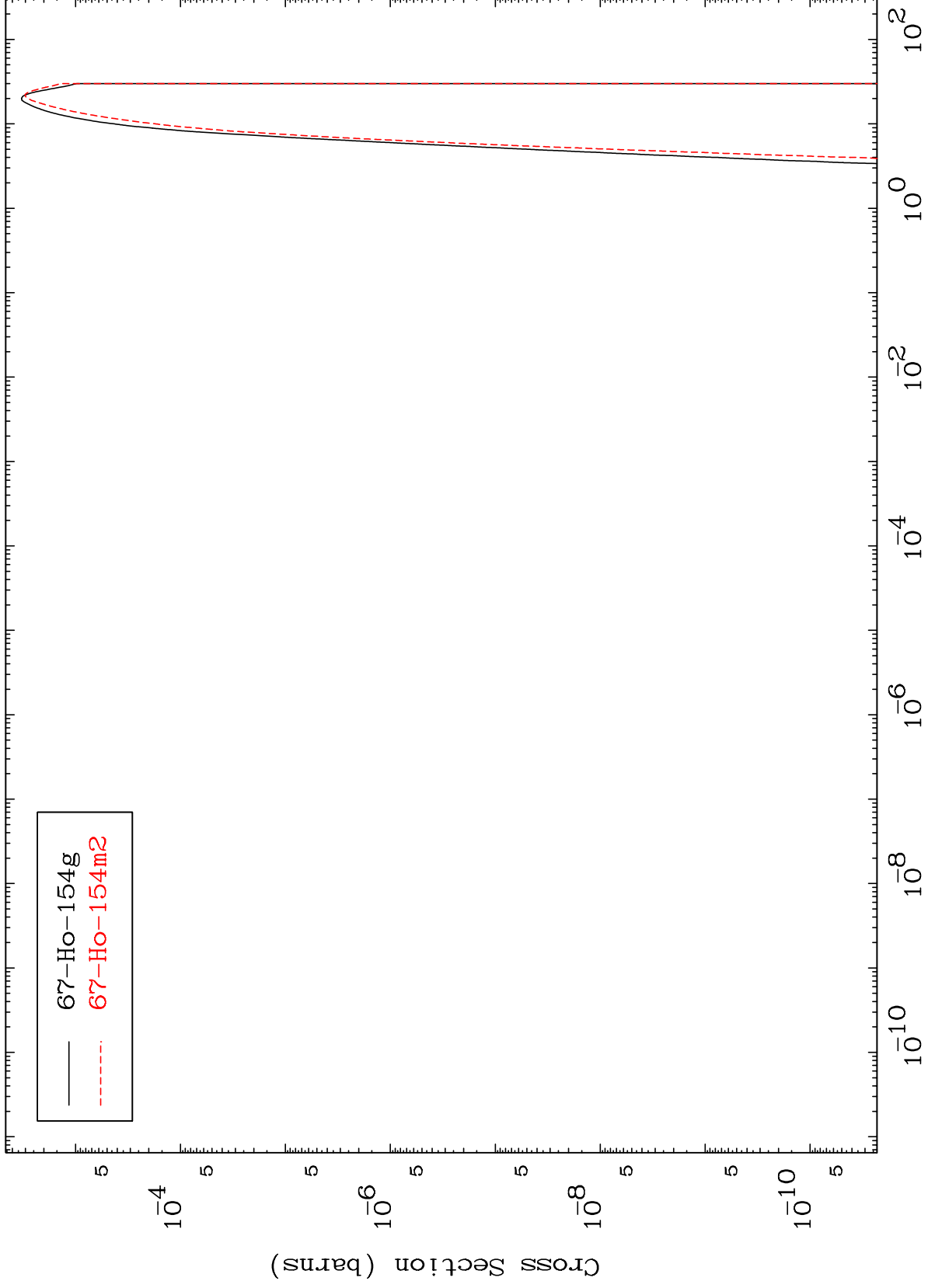
— 65-Tb-148g
- - - 65-Tb-148m1

MAT 6884

(n,2p)

69-Tm-155

Radionuclide Production Cross Section



35

Incident Energy (MeV)

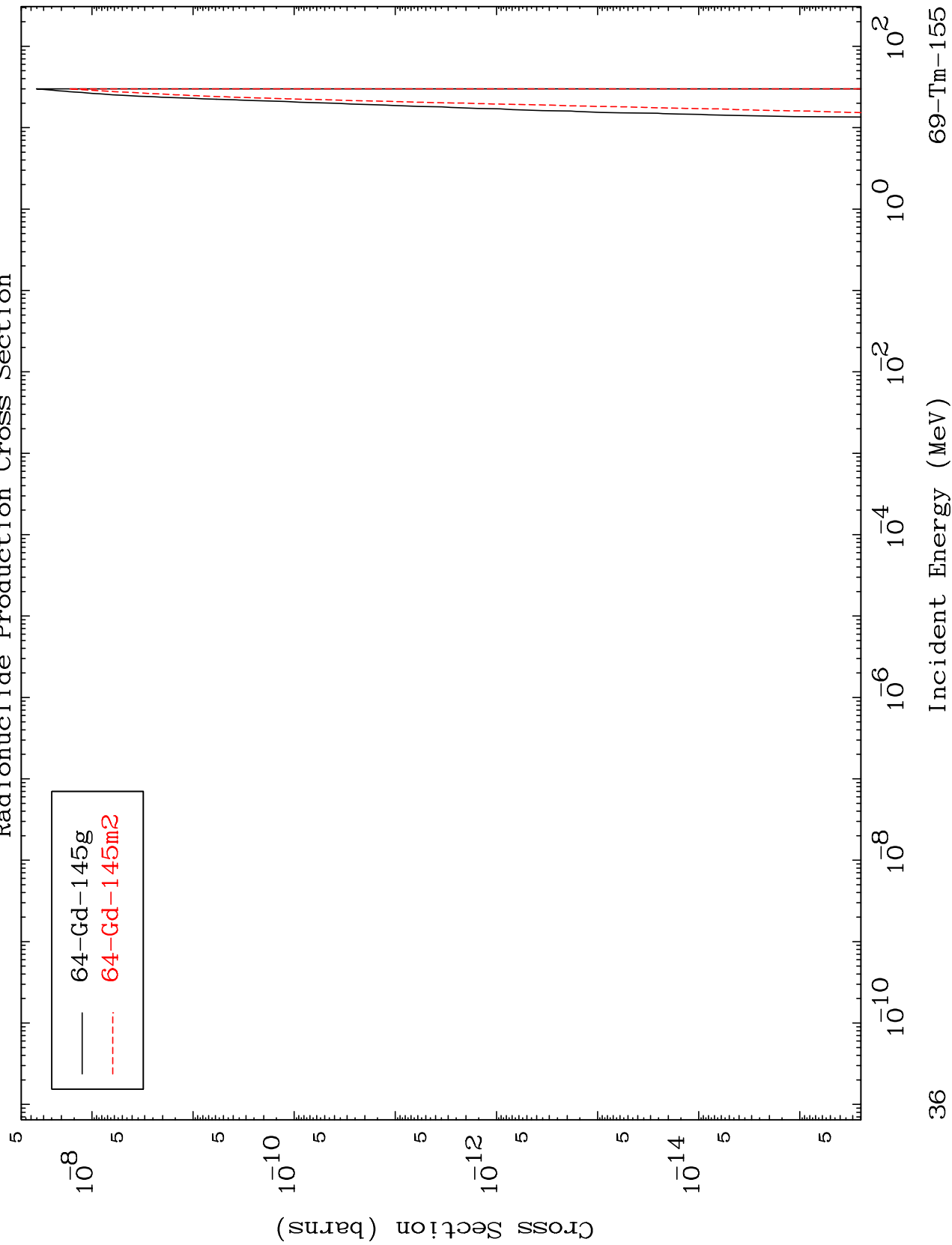
69-Tm-155

MAT 6884

(n,t) 2 α

69-Tm-155

Radionuclide Production Cross Section

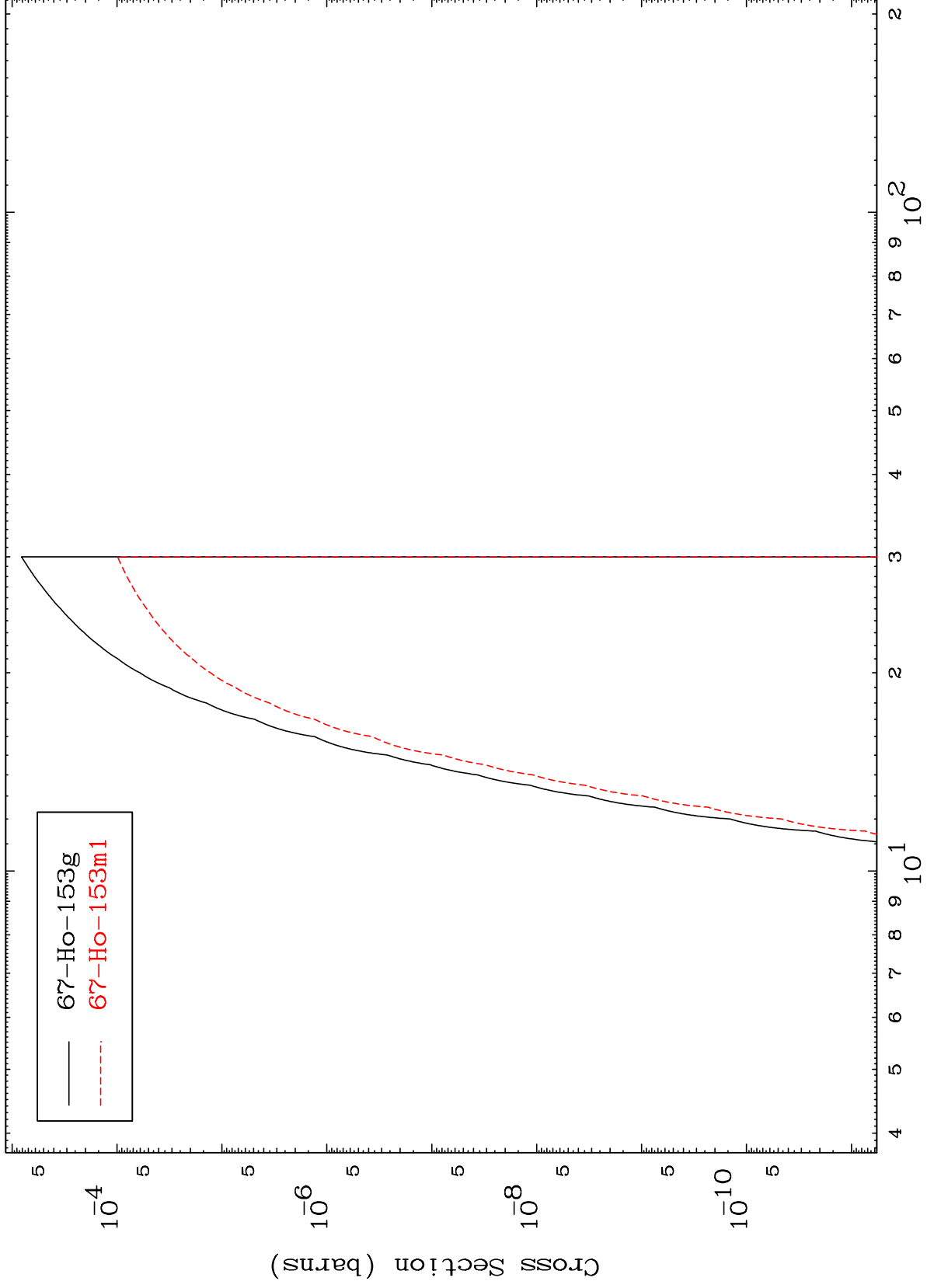


MAT 6884

(n,p) d

69-Tm-155

Radionuclide Production Cross Section



37

Incident Energy (MeV)

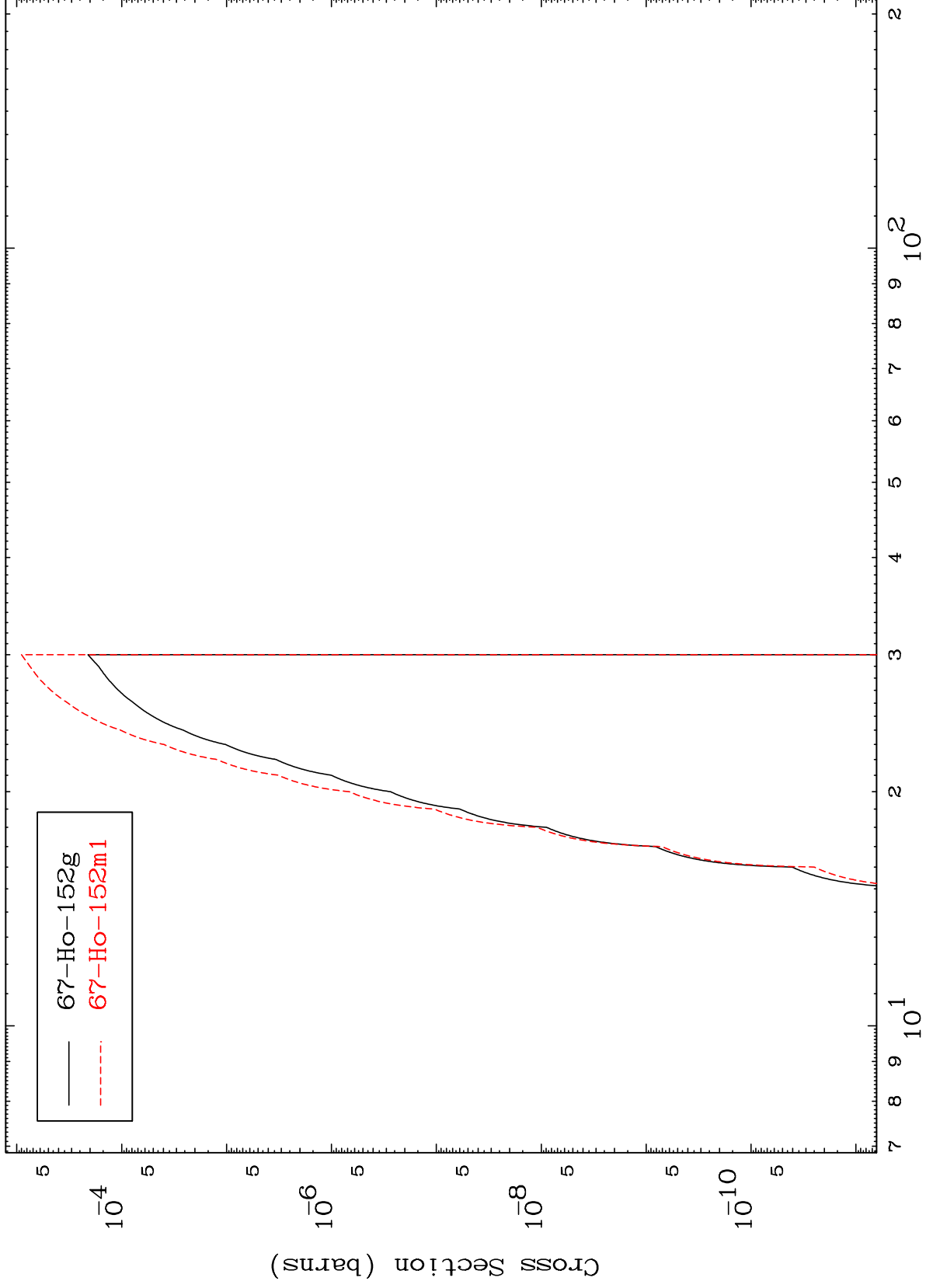
69-Tm-155

MAT 6884

(n,p) t

69-Tm-155

Radionuclide Production Cross Section



38

Incident Energy (MeV)

69-Tm-155