

Program EVALPLOT
(Version 2018-1)

by

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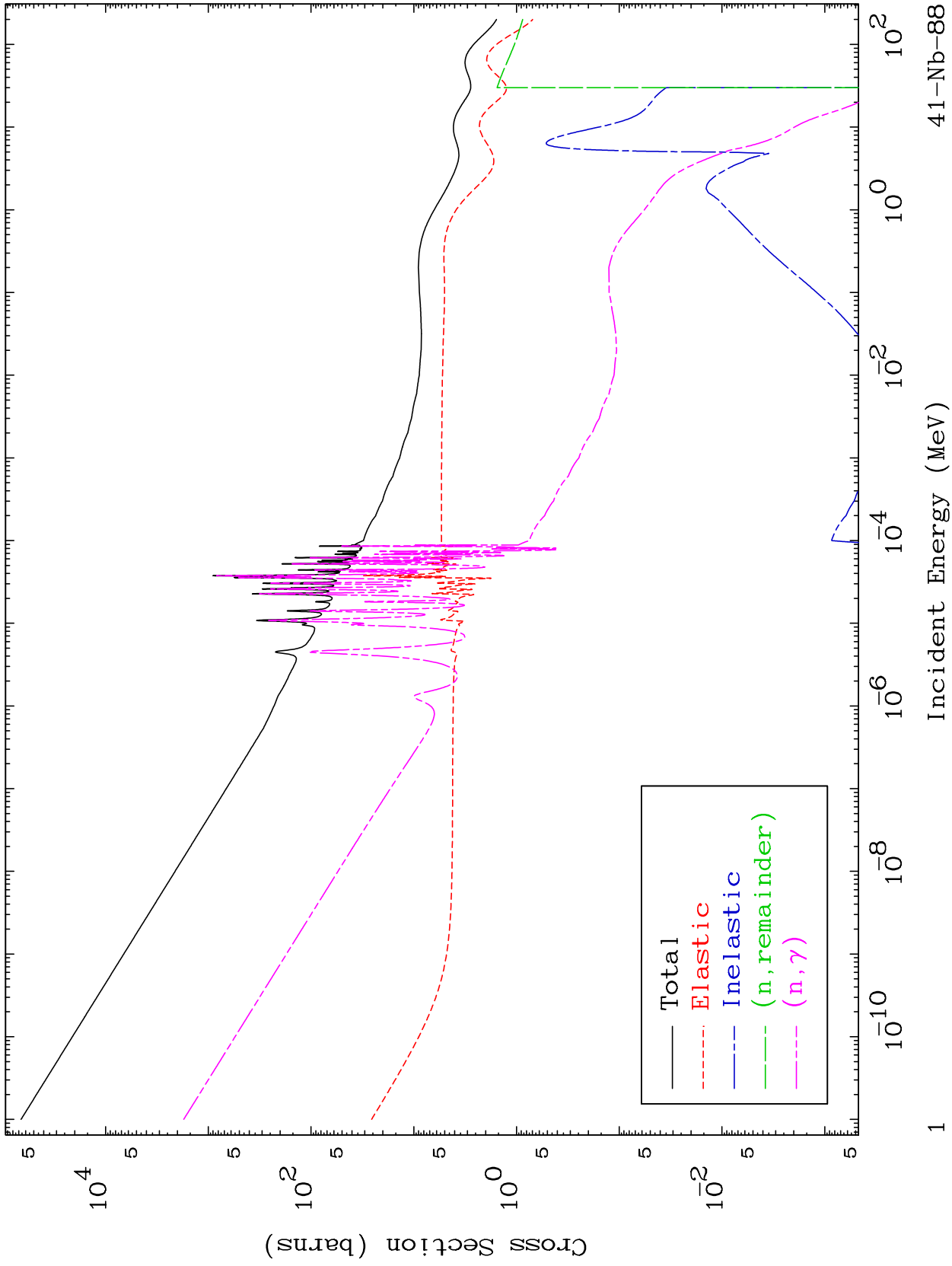
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4111

Major
293 Kelvin Cross Sections

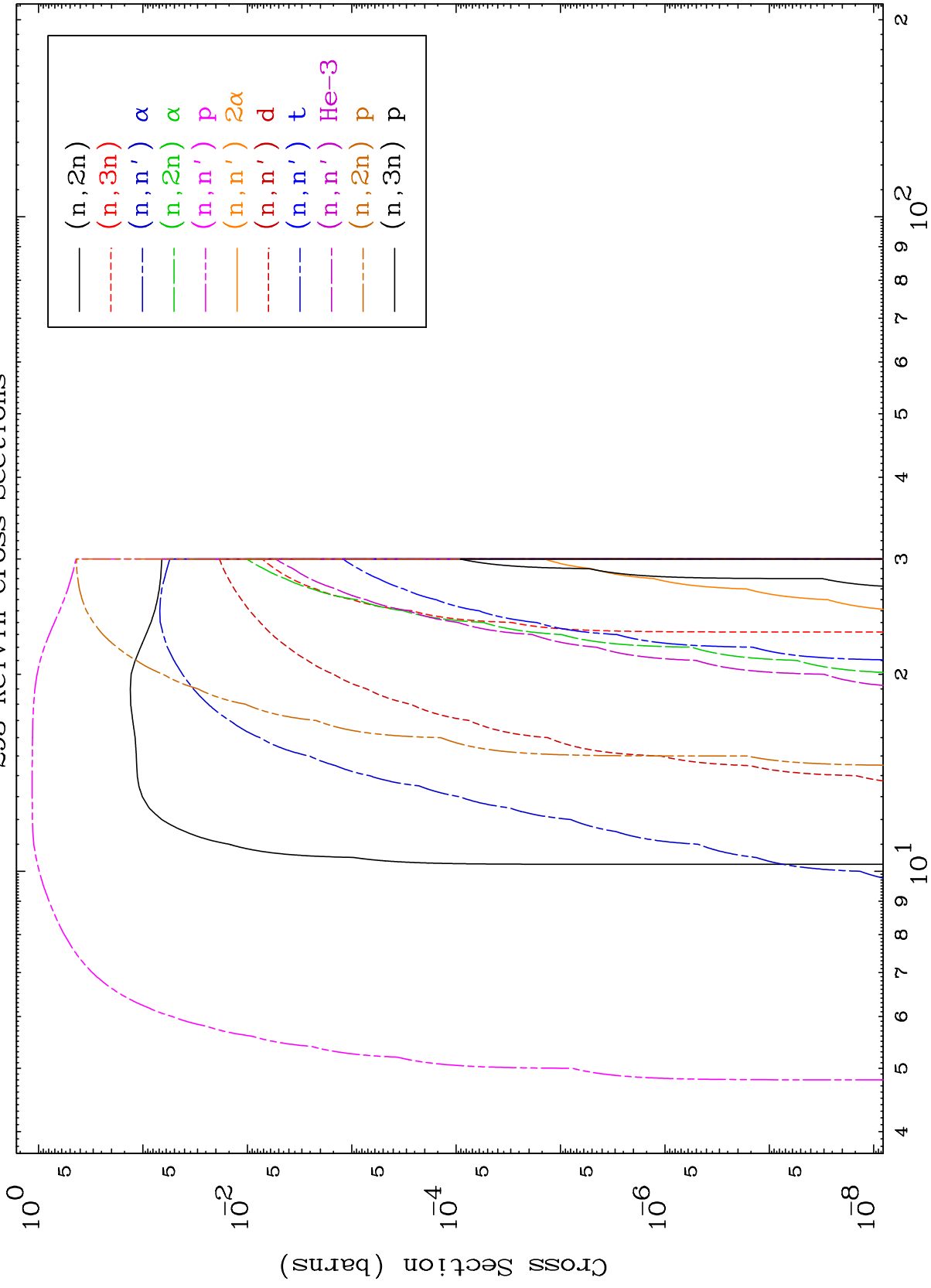
41-Nb-88



MAT 4111

Neutron Production
293 Kelvin Cross Sections

41-Nb-88



2

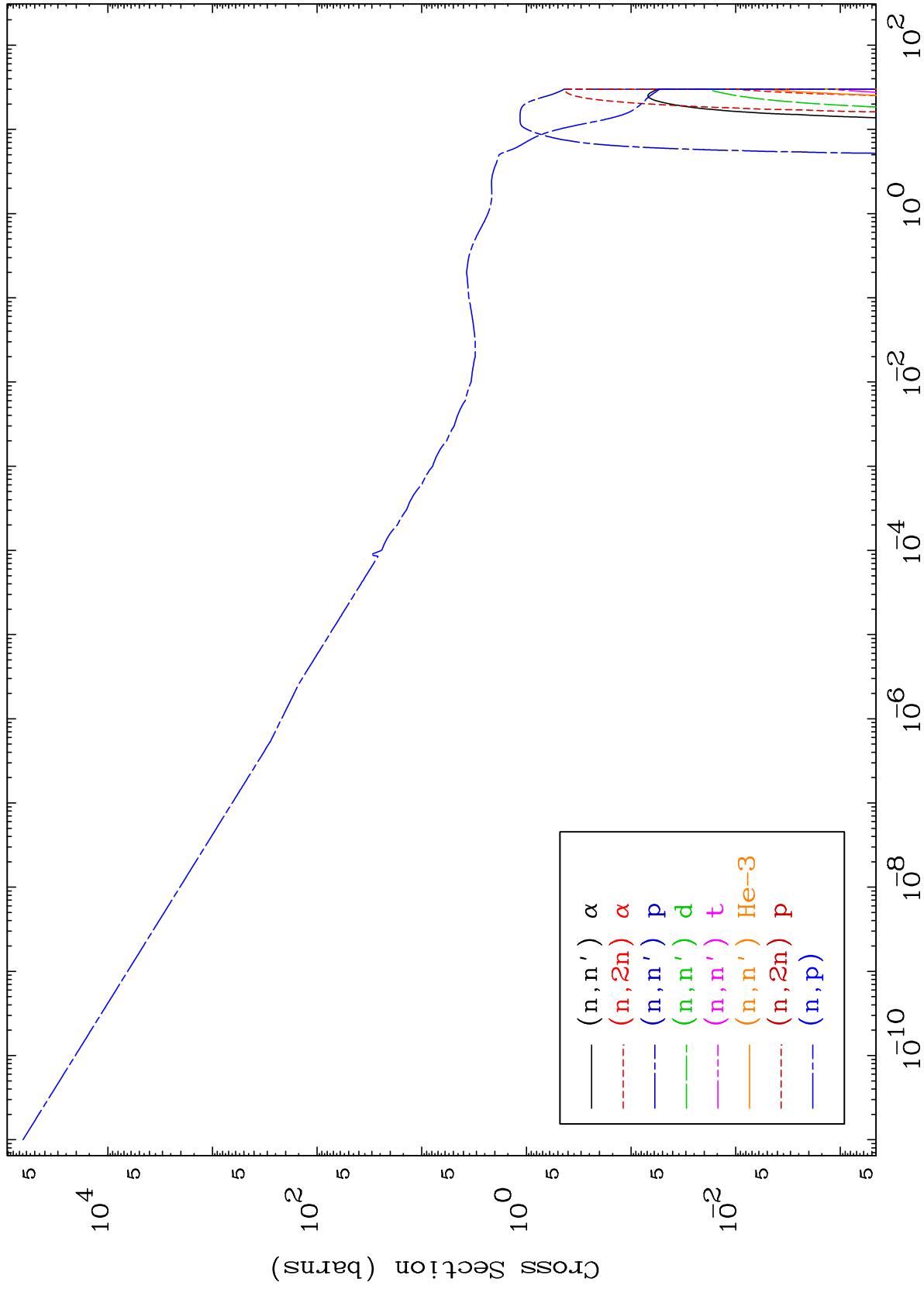
Incident Energy (MeV)

41-Nb-88

MAT 4111

Charged Particle
293 Kelvin Cross Sections

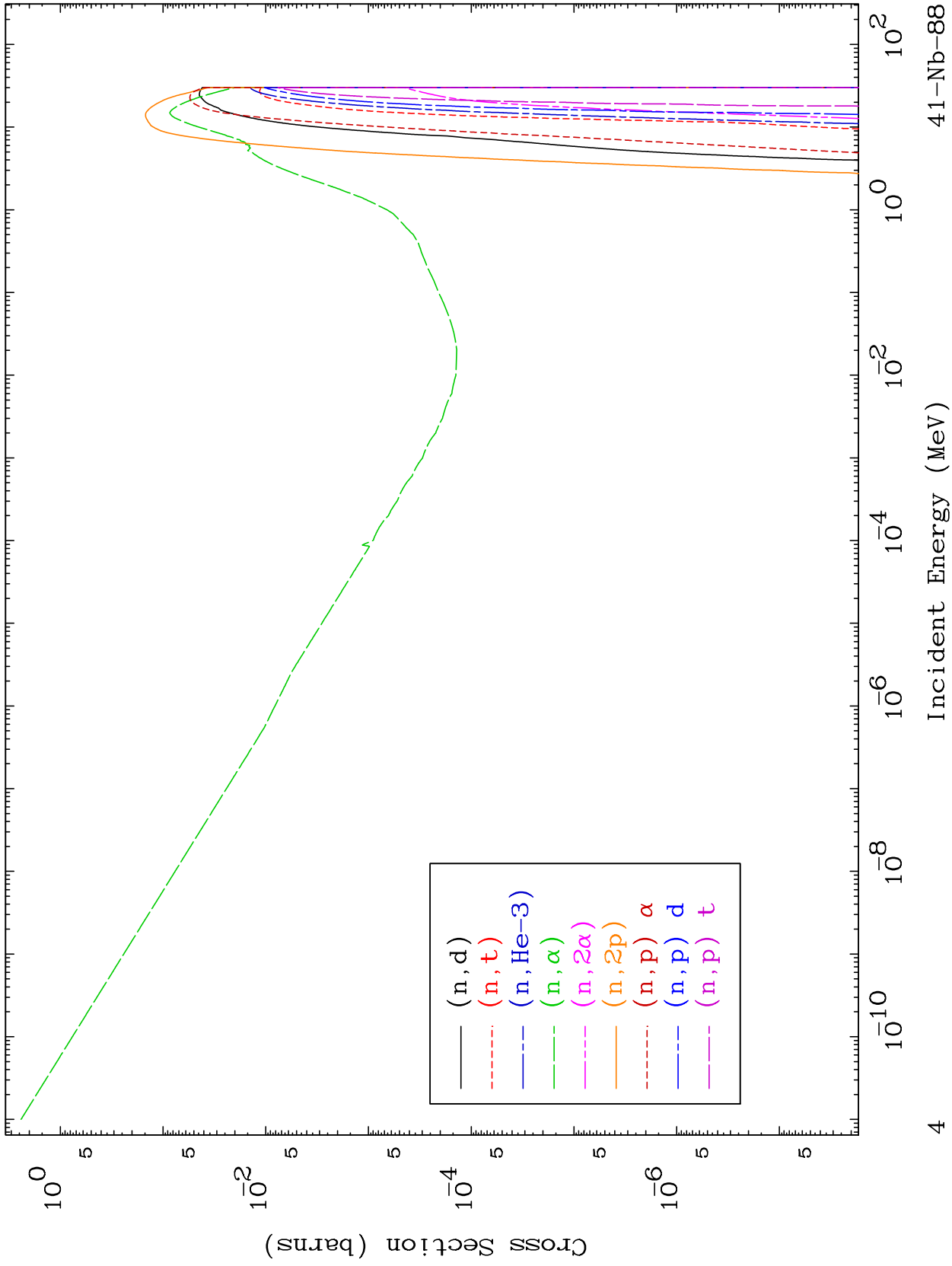
41-Nb-88



MAT 4111

Charged Particle
293 Kelvin Cross Sections

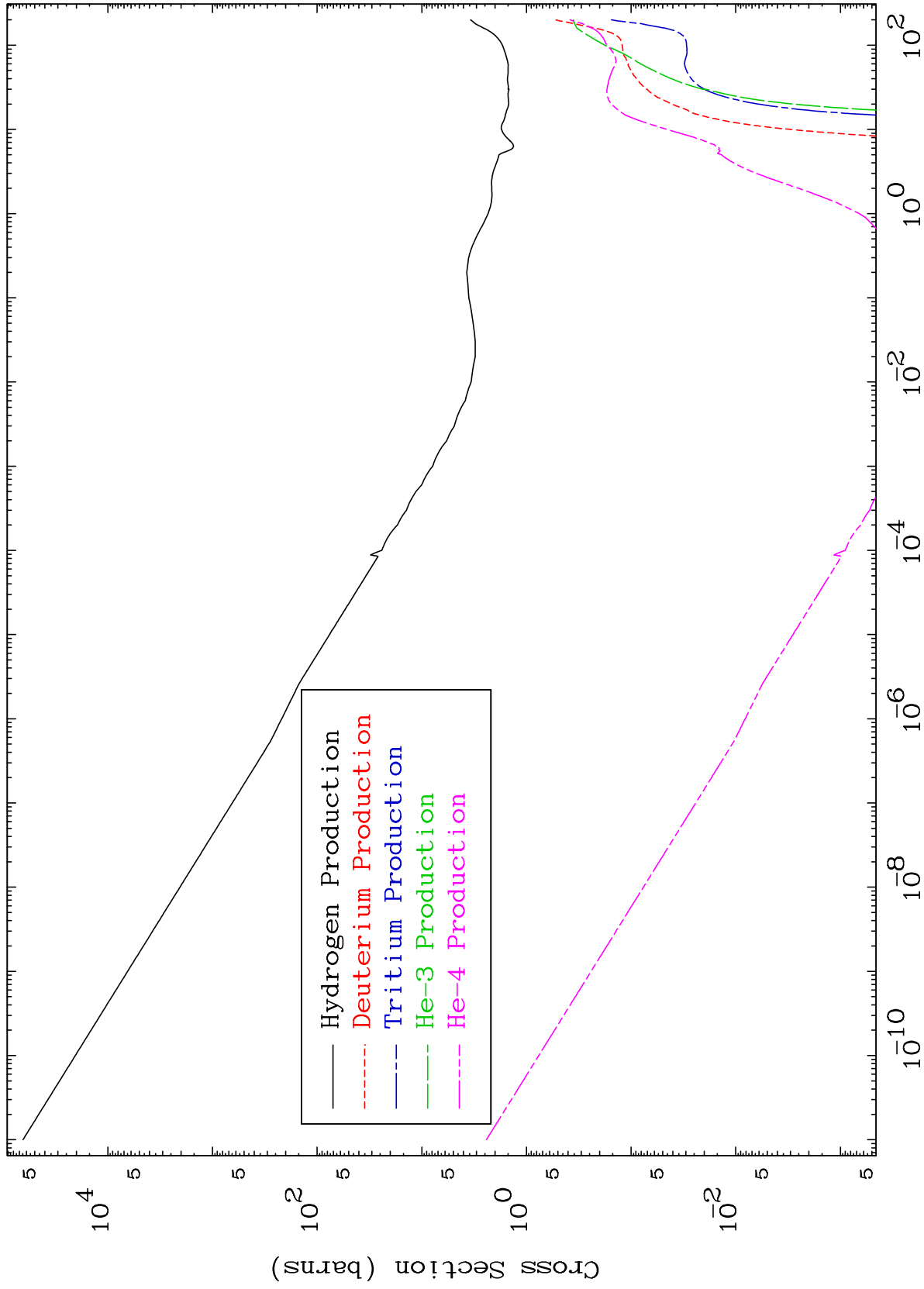
41-Nb-88



MAT 4111

Particle Production
293 Kelvin Cross Sections

41-Nb-88



5

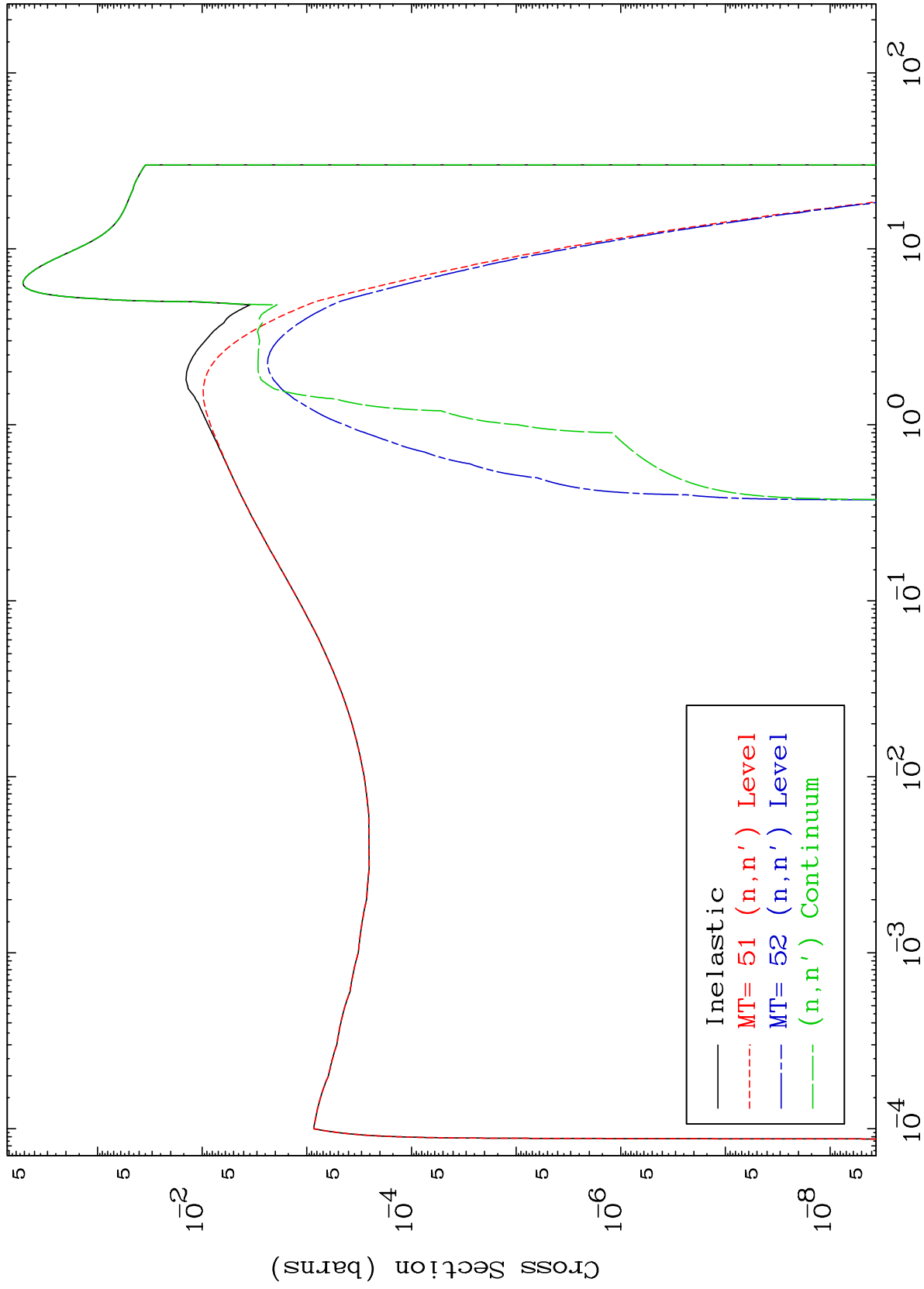
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,n') Level
293 Kelvin Cross Sections

41-Nb-88



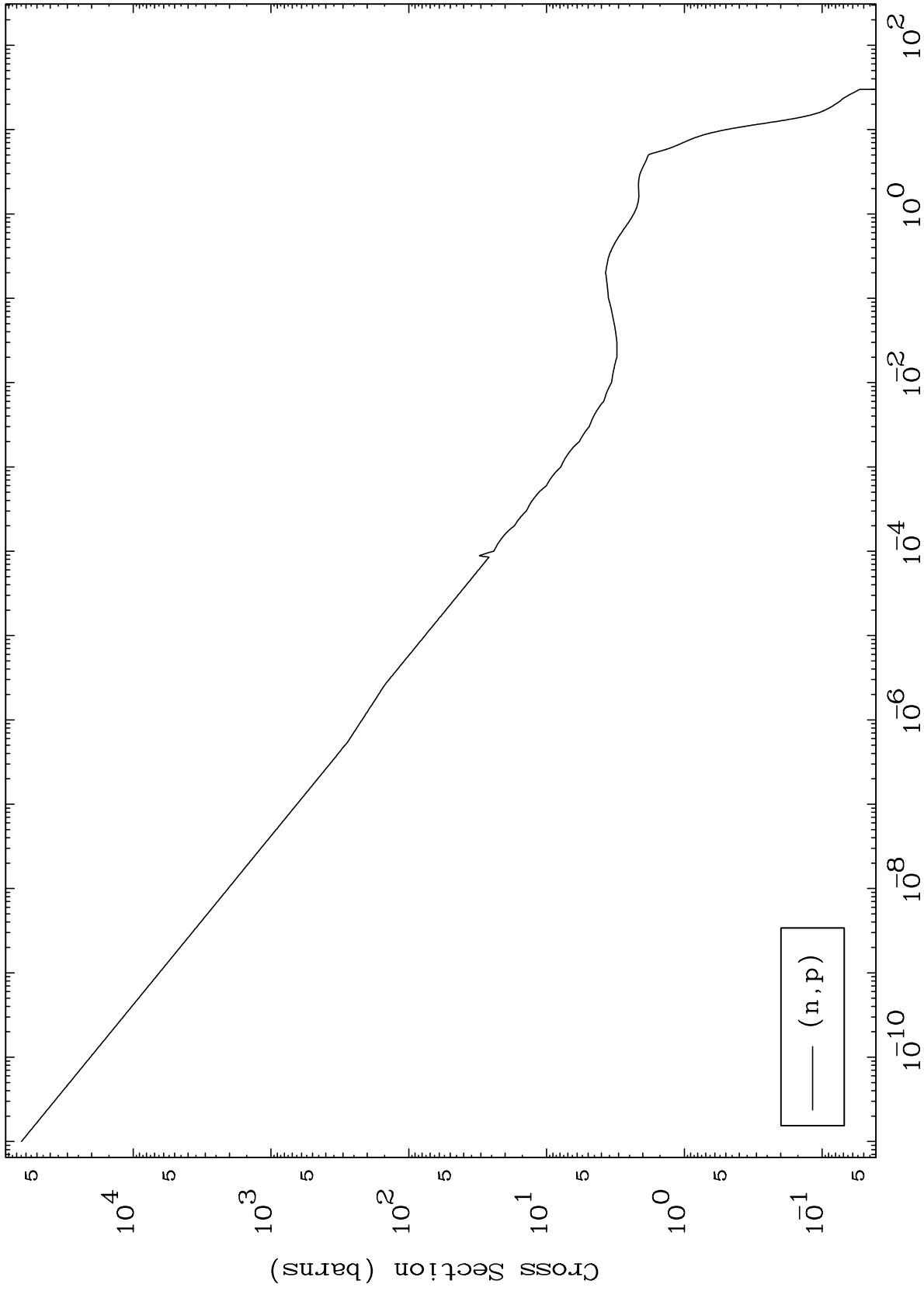
6

41-Nb-88

MAT 4111

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-88



7

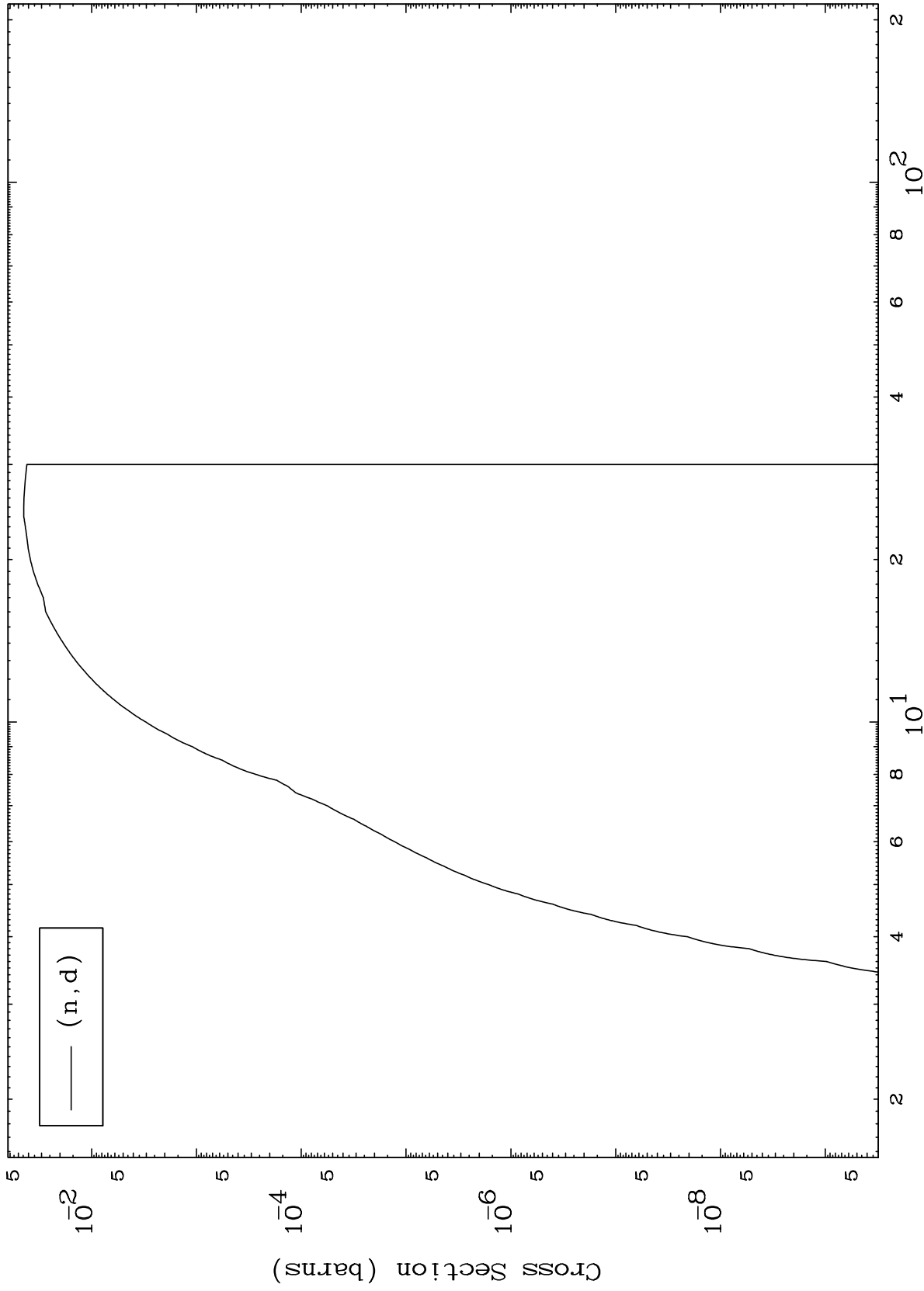
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-88



8

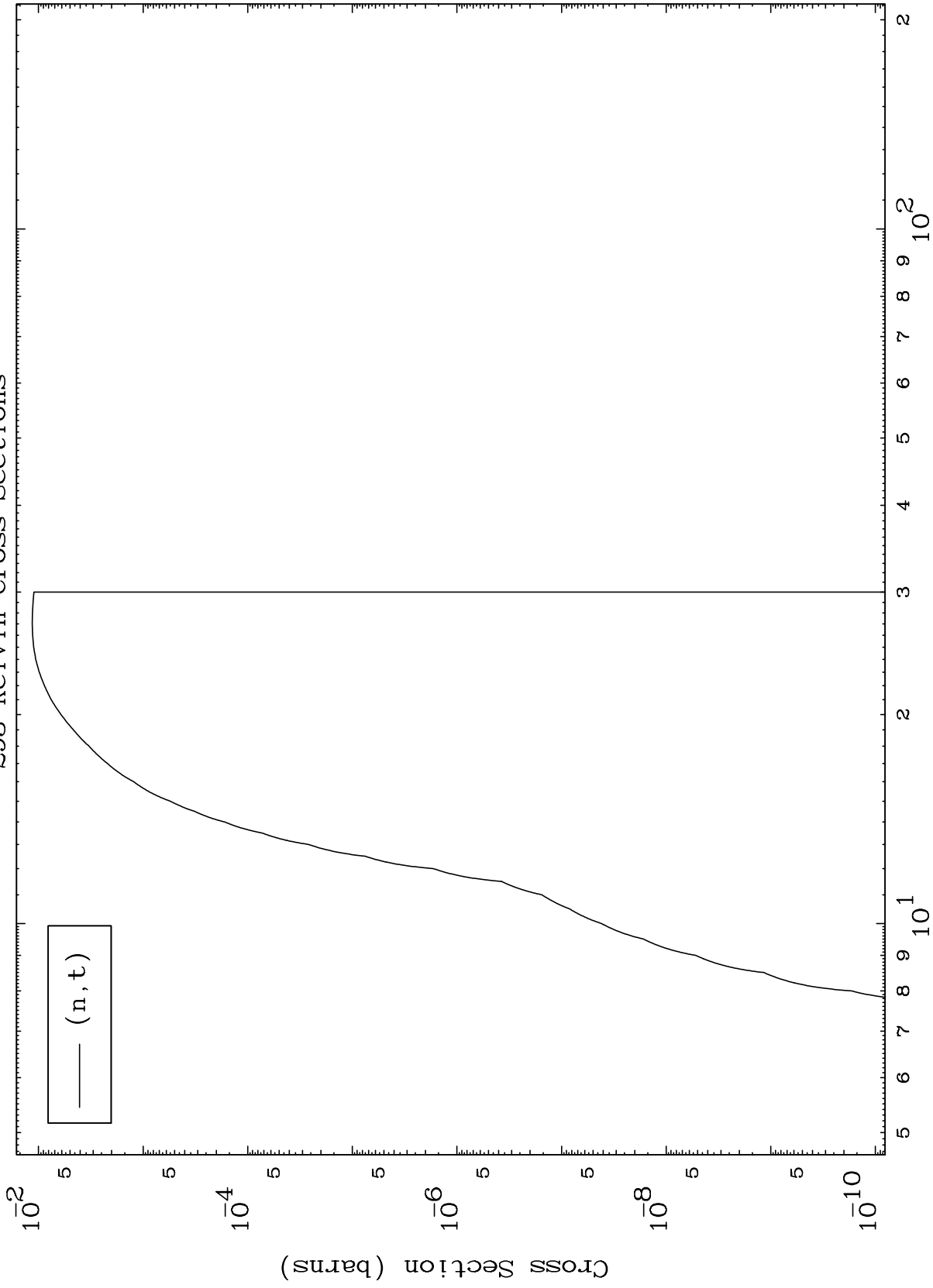
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-88



9

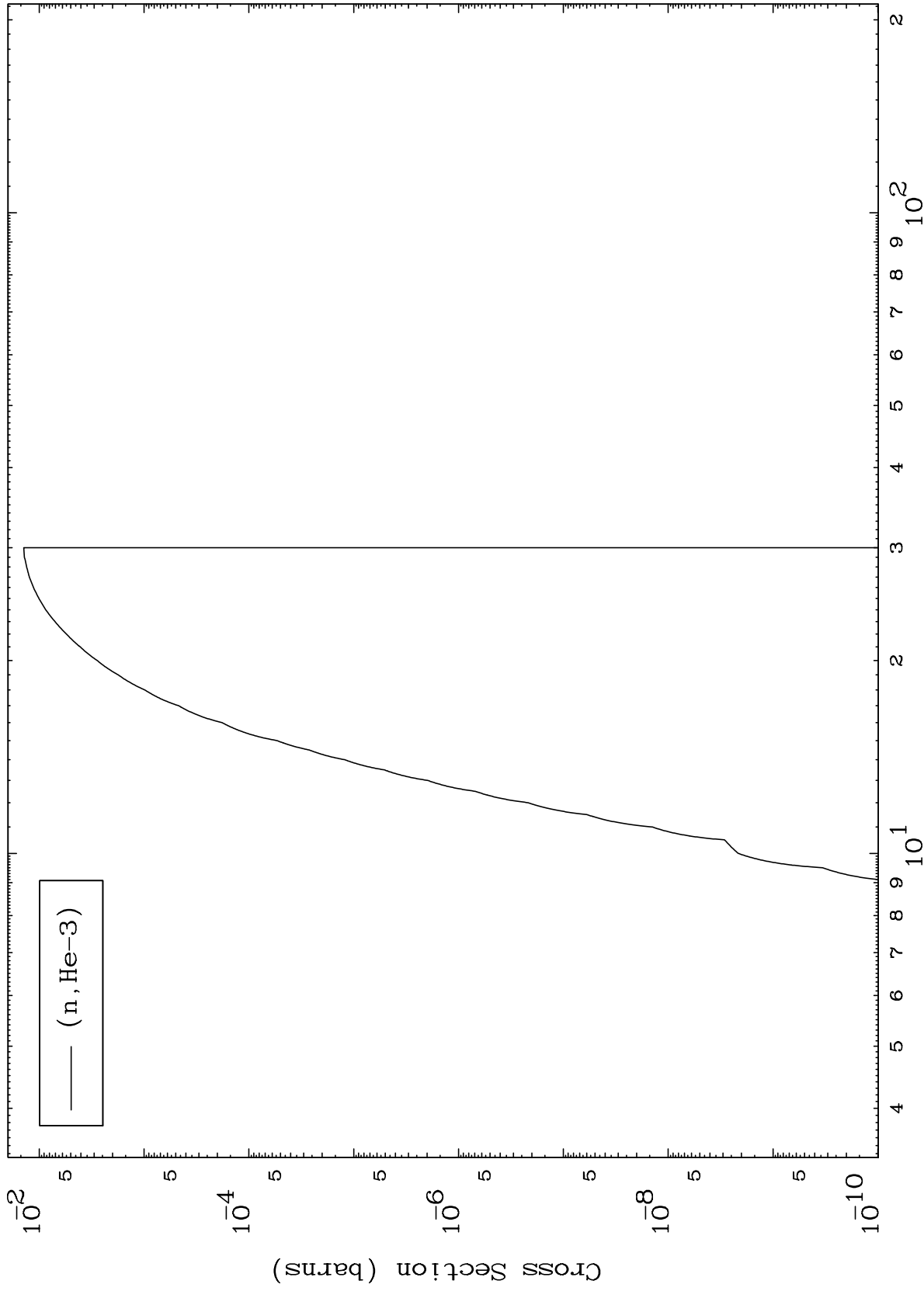
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-88



10

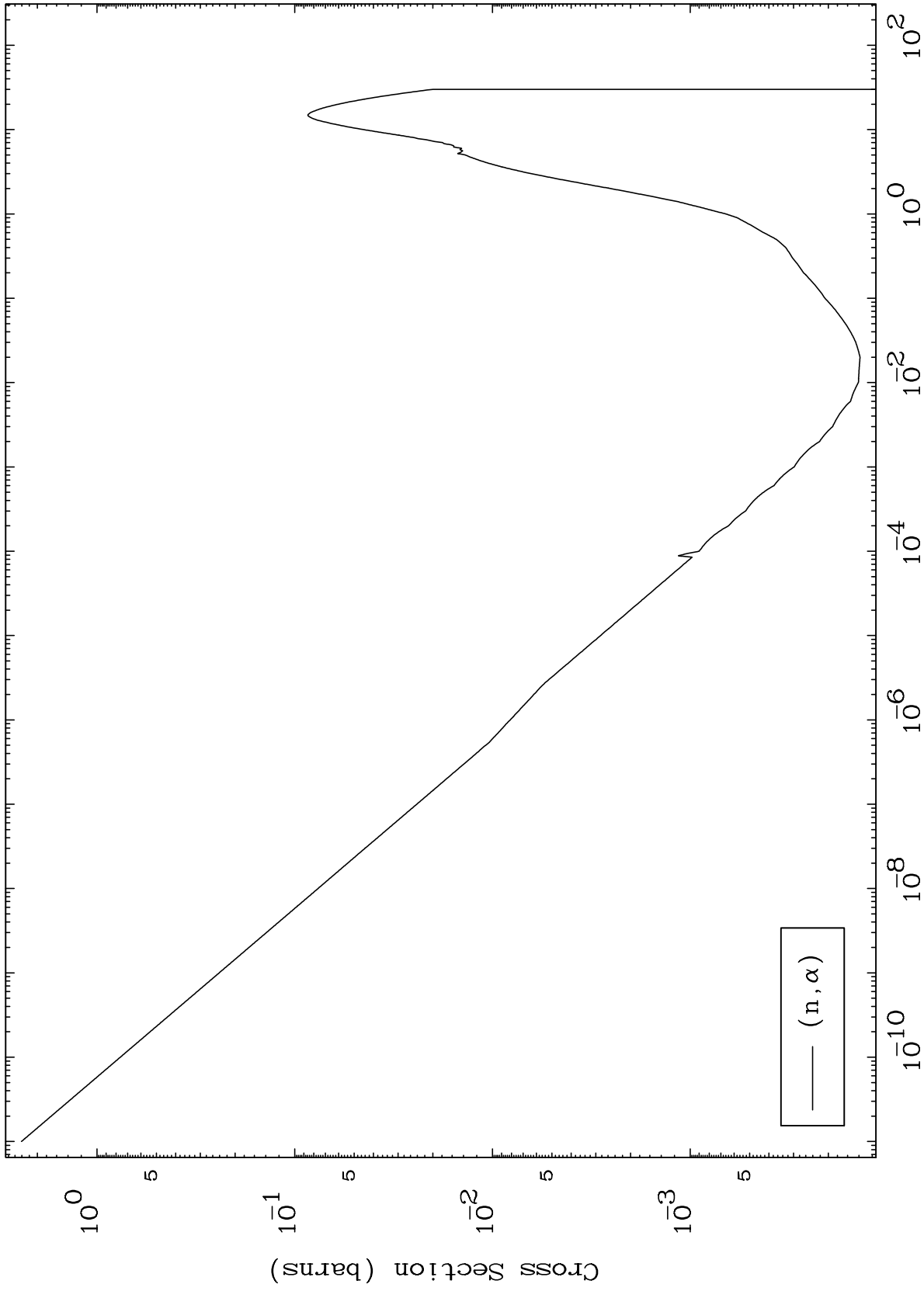
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,α) Levels
293 Kelvin Cross Sections

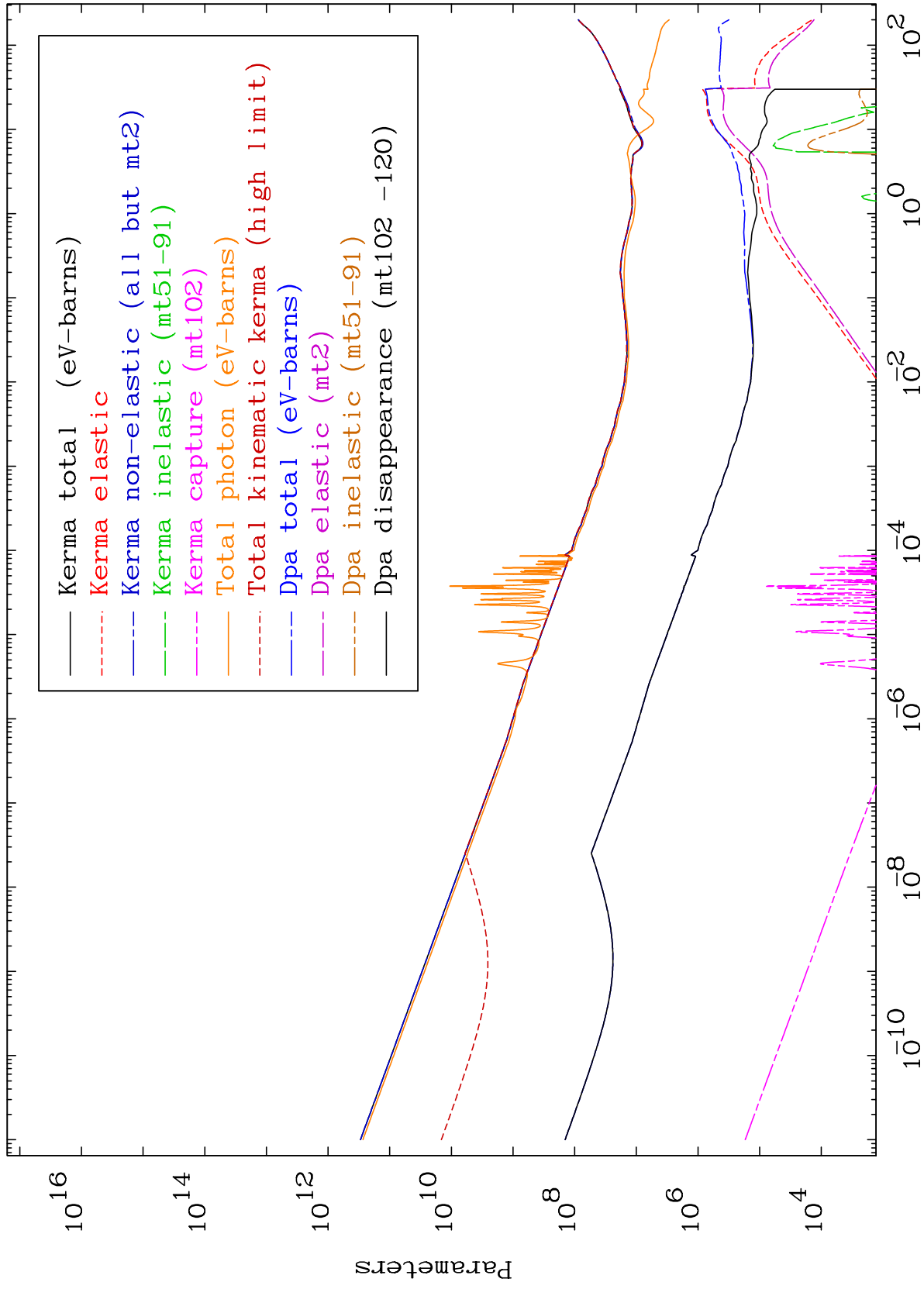
41-Nb-88



11

Incident Energy (MeV)

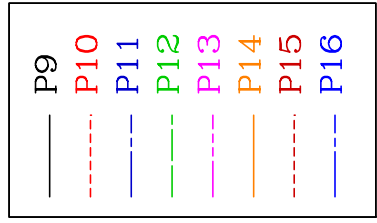
41-Nb-88



MAT 4111

Elastic Legendre Coefficients

41-Nb-88



$\times 10^{-4}$

Legendre (CM)



14

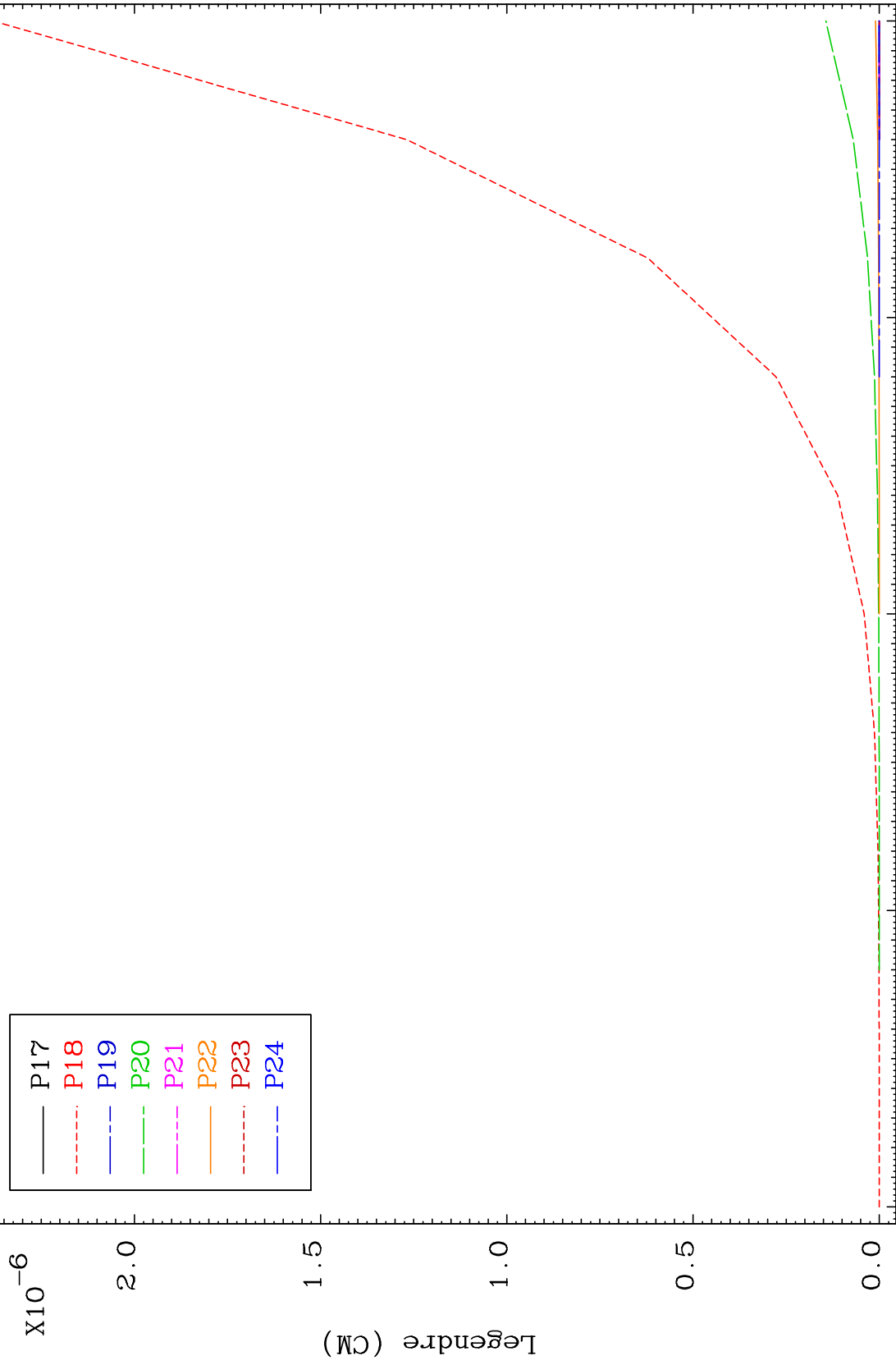
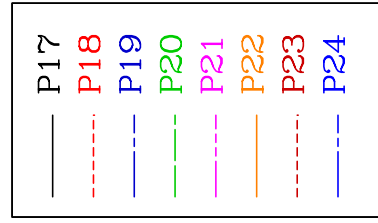
Incident Energy (MeV)

41-Nb-88

MAT 4111

Elastic Legendre Coefficients

41-Nb-88



15

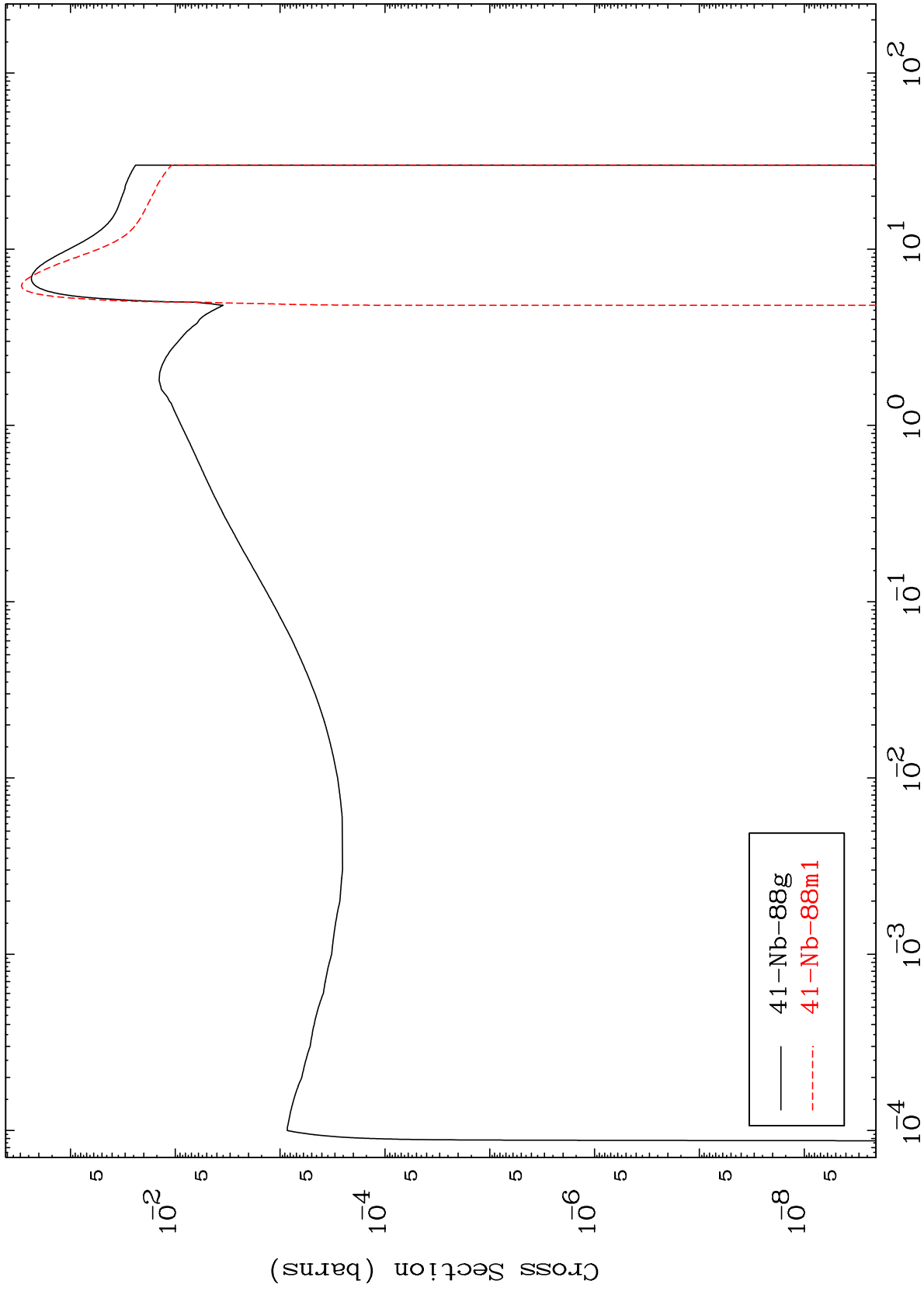
Incident Energy (MeV)

41-Nb-88

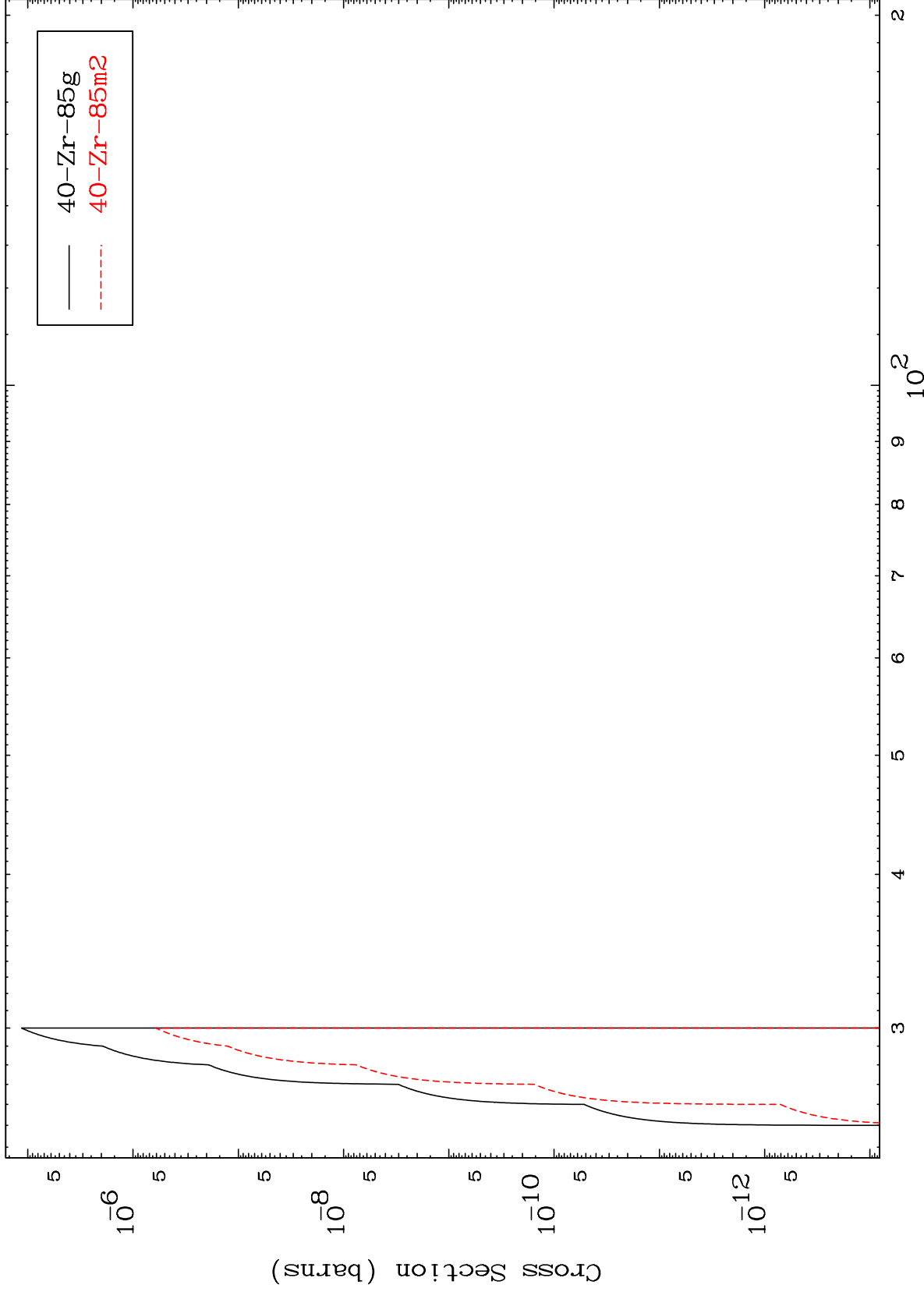
MAT 4111

Inelastic
Radionuclide Production Cross Section

41-Nb-88



Radionuclide Production Cross Section

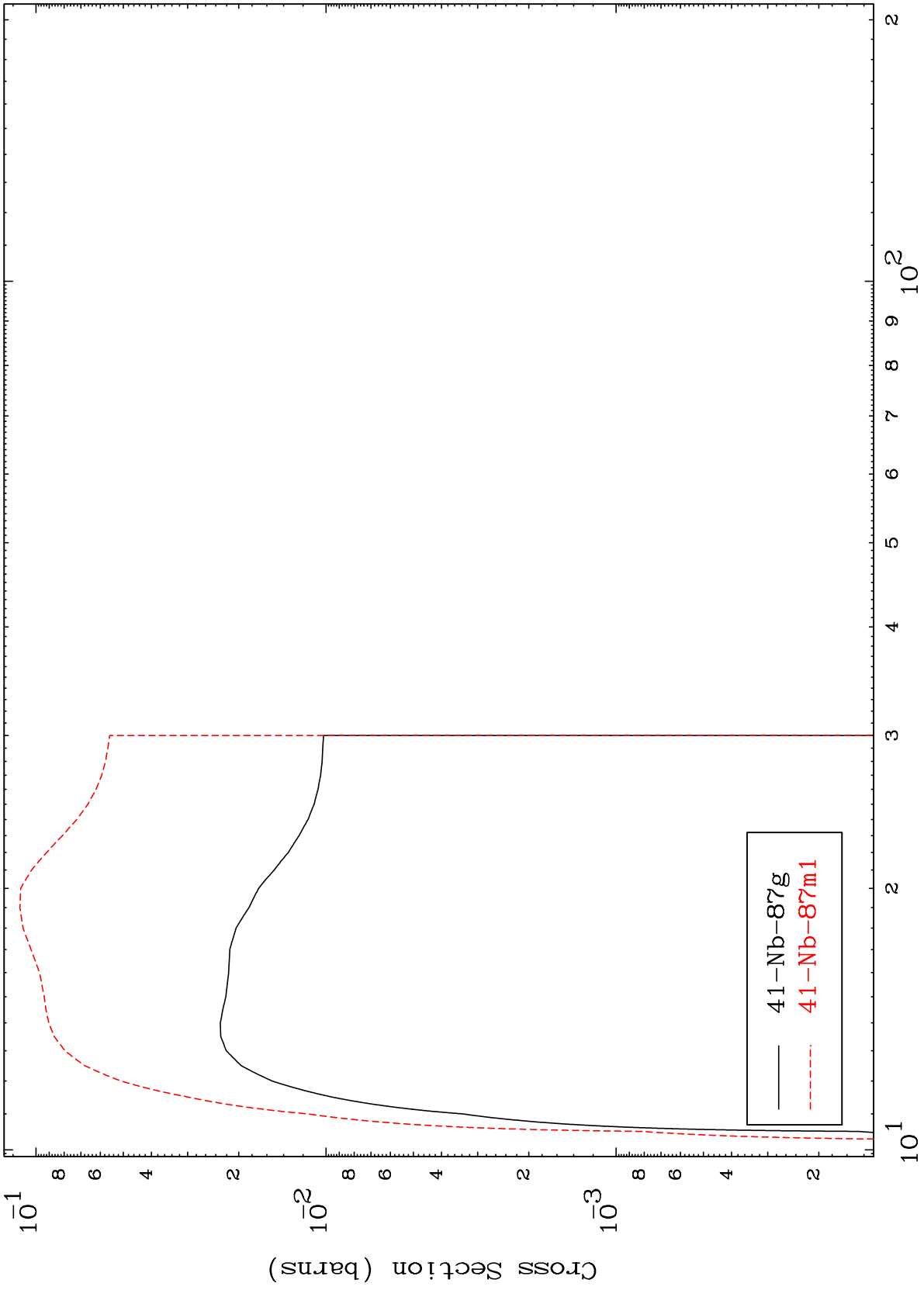


MAT 4111

(n,2n)

41-Nb-88

Radionuclide Production Cross Section



10⁻¹

8

6

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10⁻²

8

6

4

2

10⁻³

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10⁻¹

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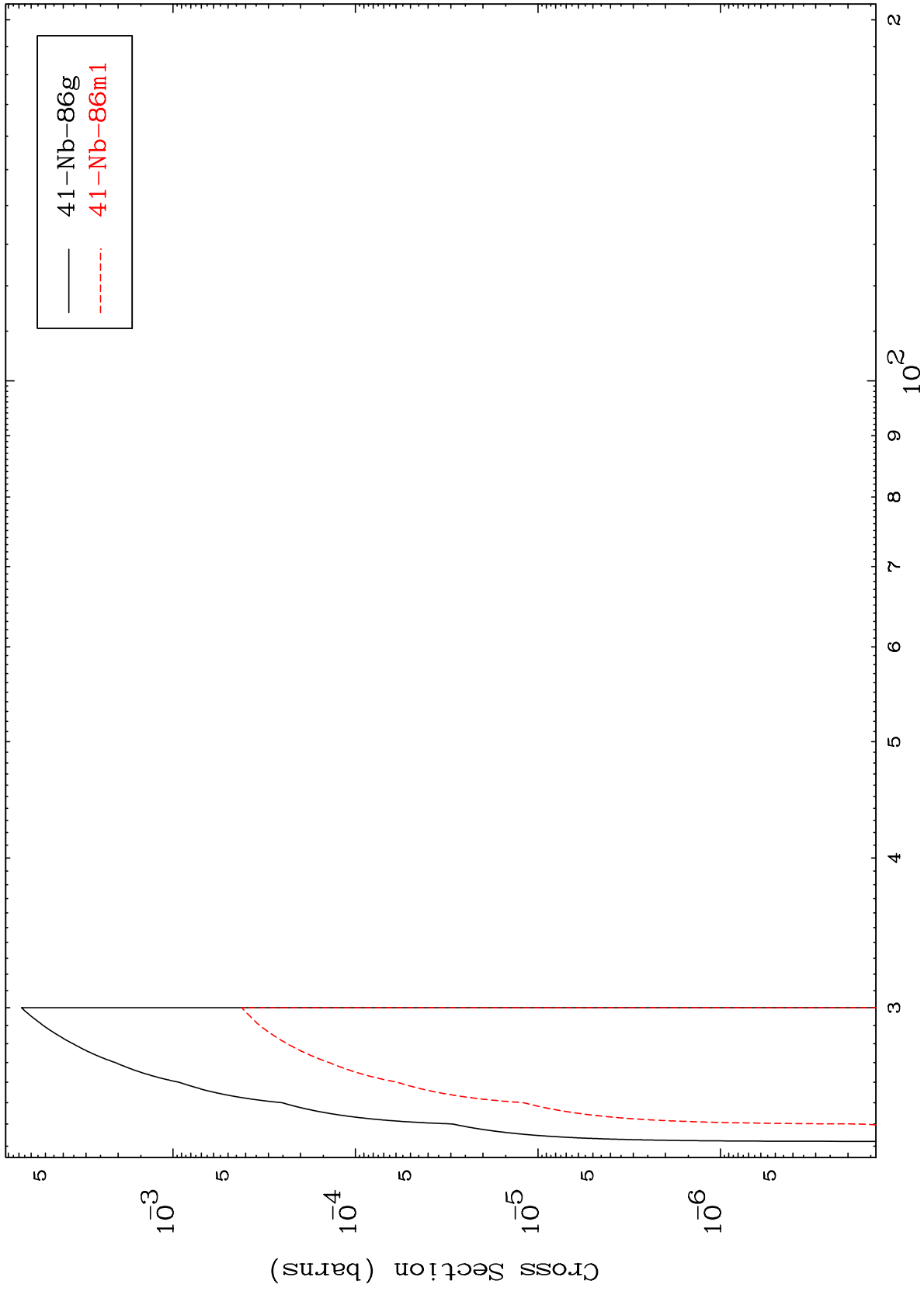
2

10⁻¹

MAT 4111

41-Nb-88

(n,3n)
Radionuclide Production Cross Section



19

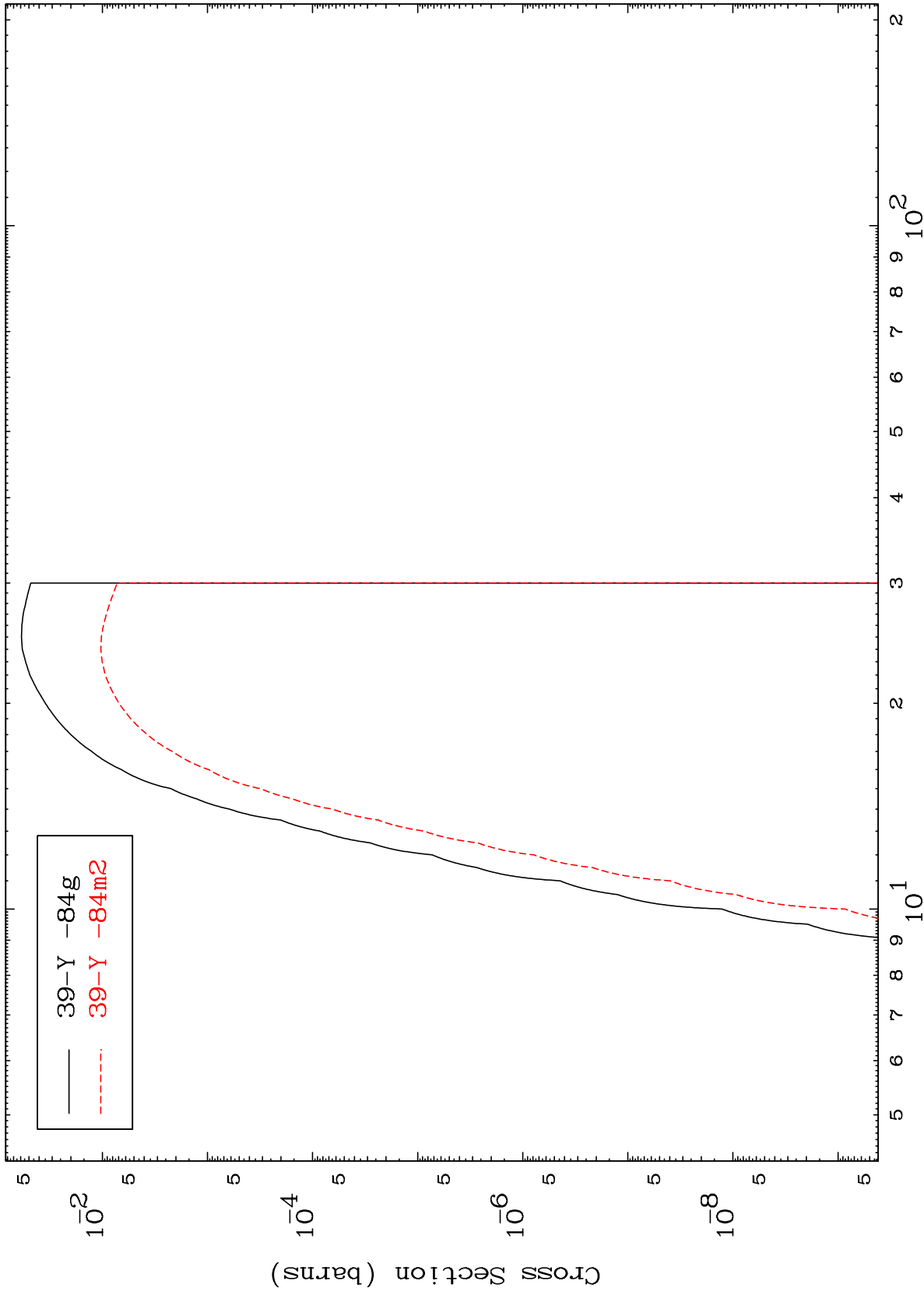
41-Nb-88

MAT 4111

(n,n') α

41-Nb-88

Radionuclide Production Cross Section



20

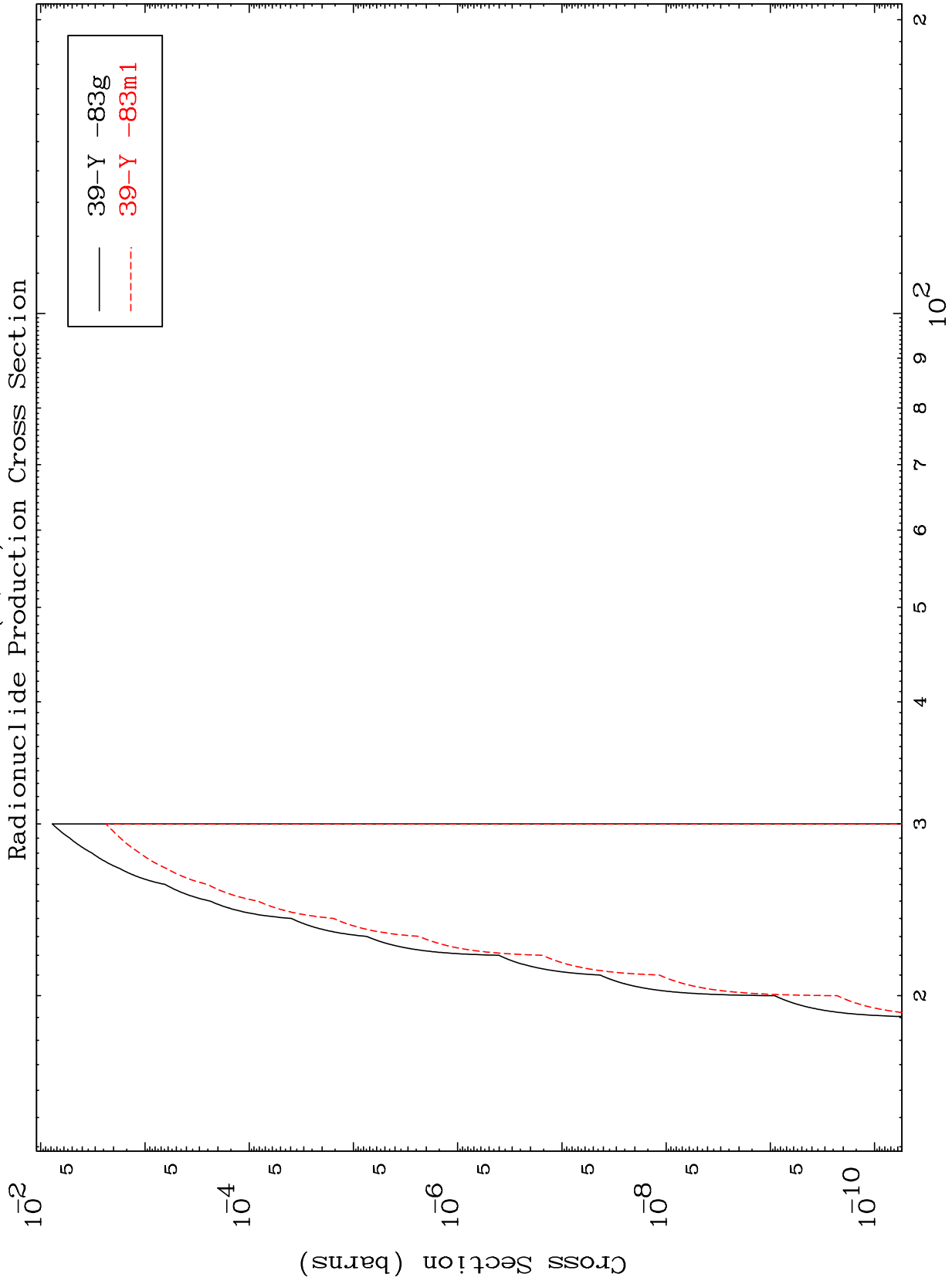
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,2n) α

41-Nb-88



21

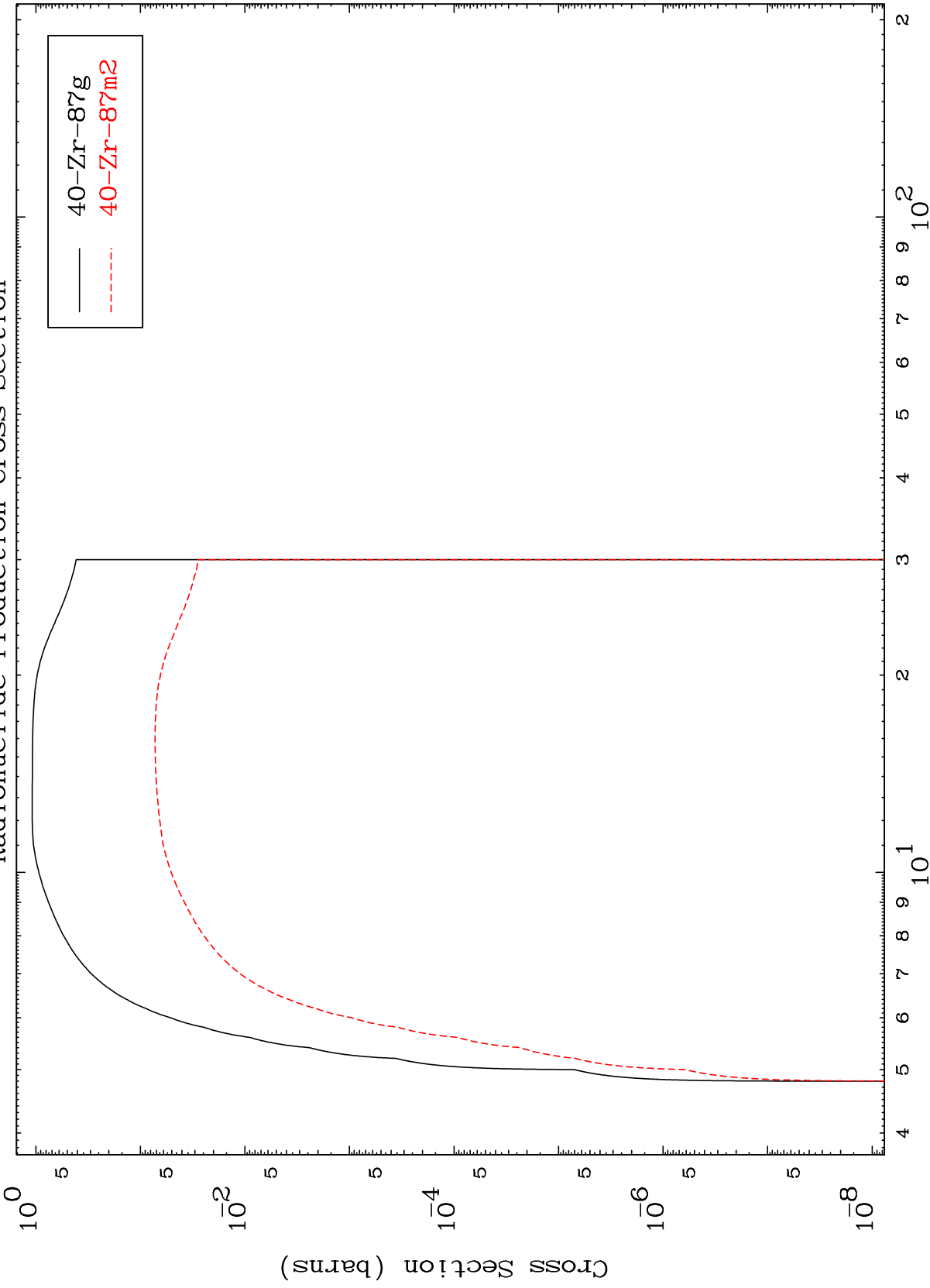
41-Nb-88

MAT 4111

(n,n') p

41-Nb-88

Radionuclide Production Cross Section



22

Incident Energy (MeV)

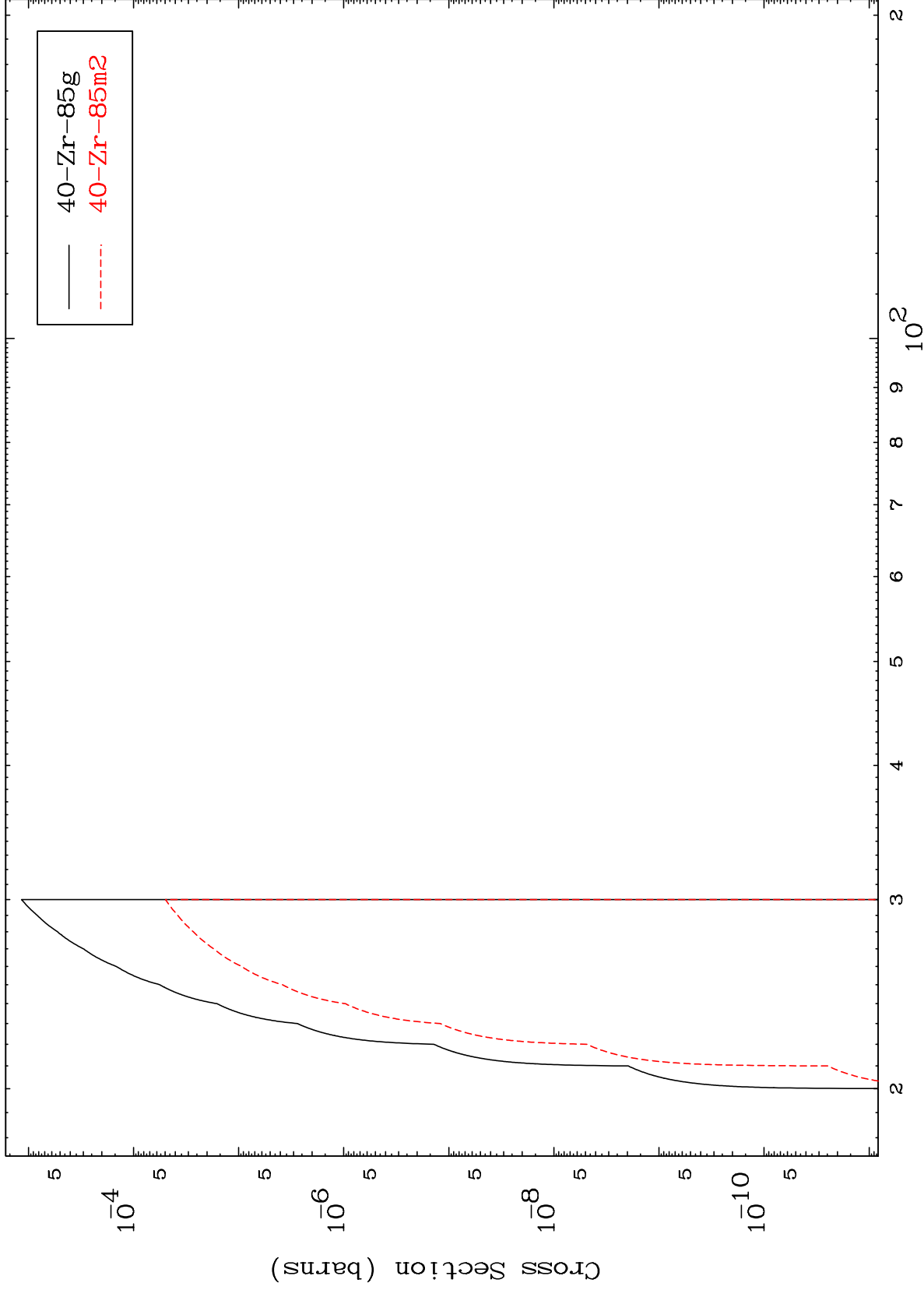
41-Nb-88

MAT 4111

(n,n') t

41-Nb-88

Radionuclide Production Cross Section



23

Incident Energy (MeV)

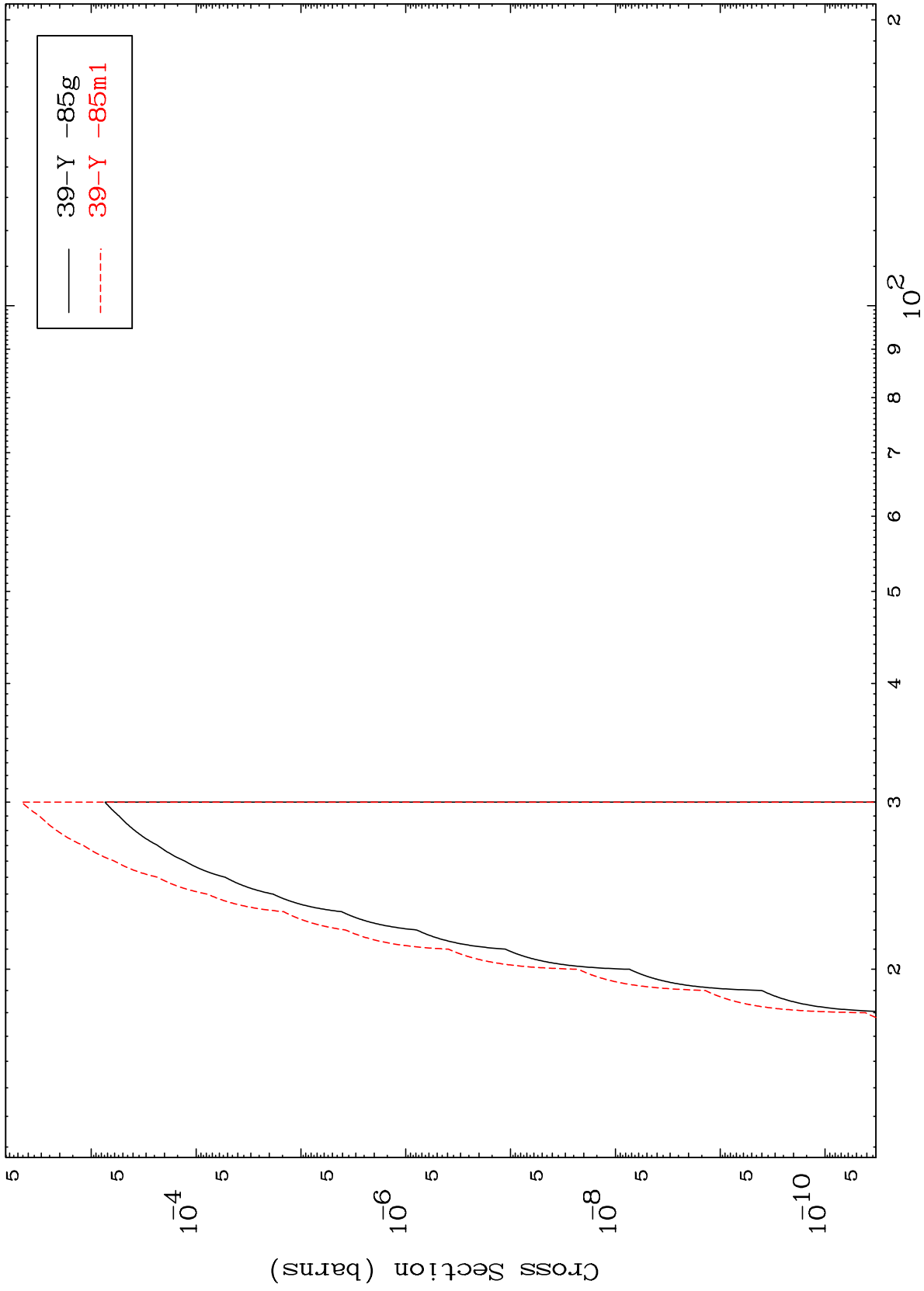
41-Nb-88

MAT 4111

(n, n') He-3

41-Nb-88

Radionuclide Production Cross Section



24

Incident Energy (MeV)

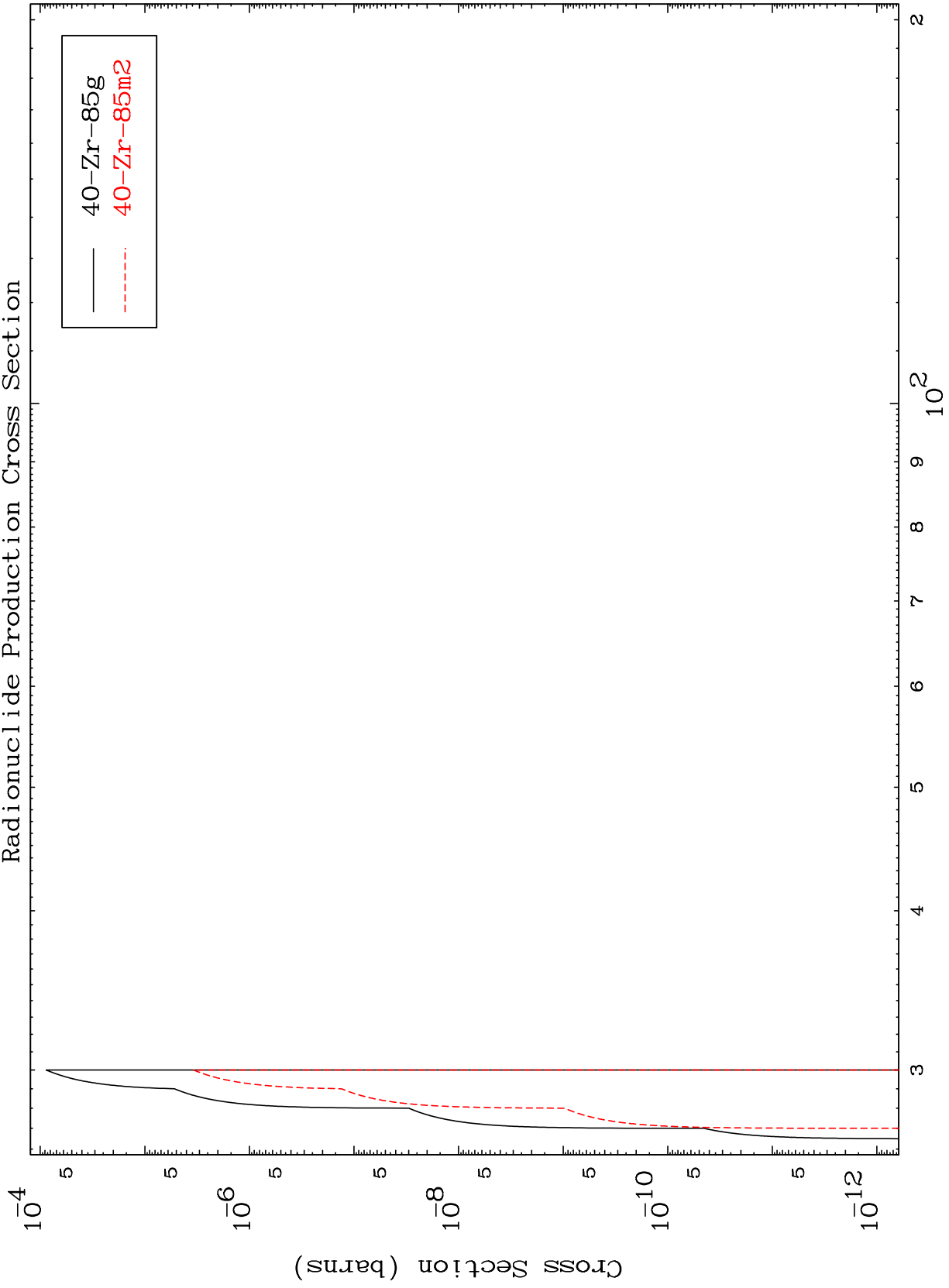
41-Nb-88

MAT 4111

(n,3n) p

41-Nb-88

Radionuclide Production Cross Section



25

Incident Energy (MeV)

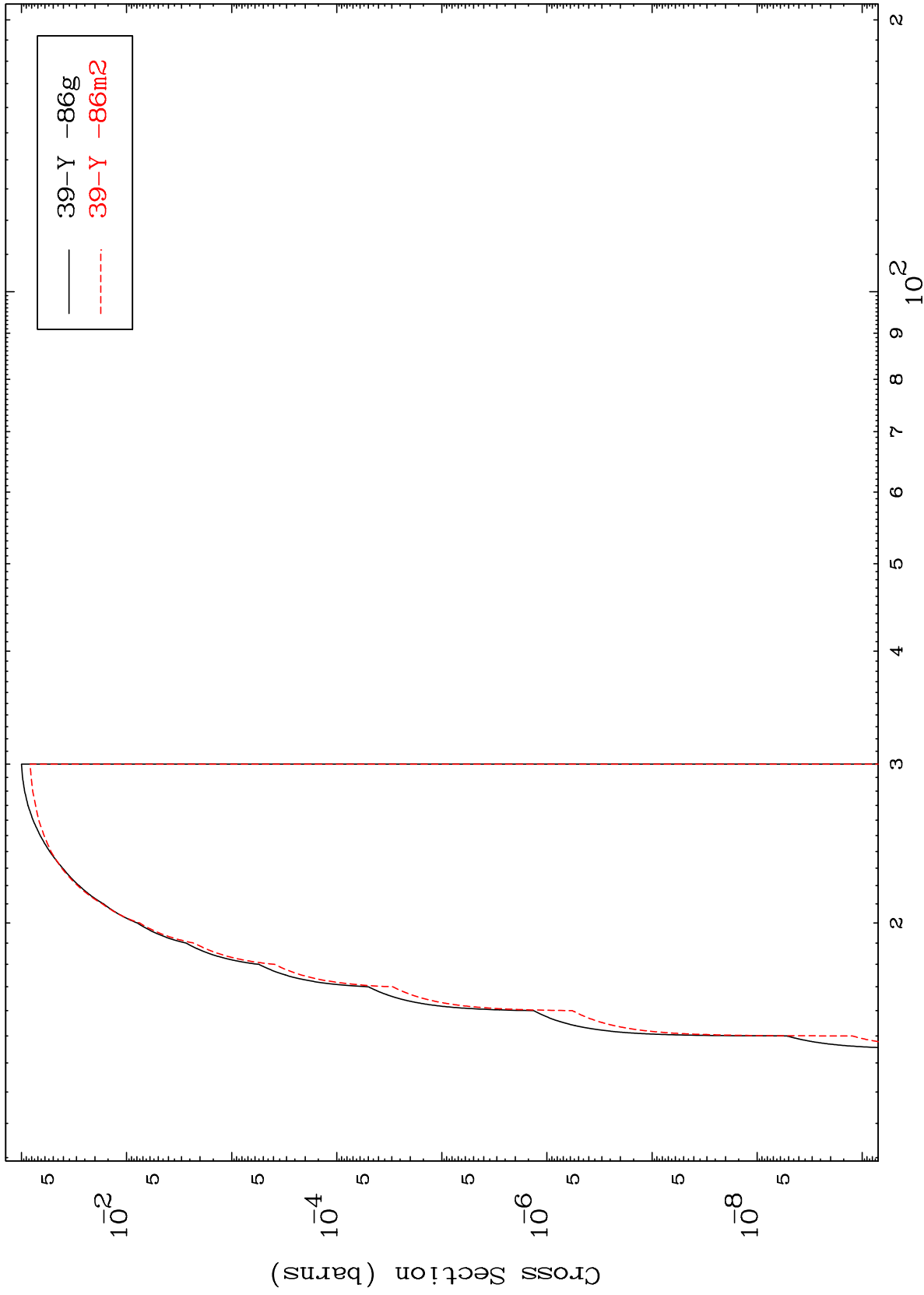
41-Nb-88

MAT 4111

(n,2n) p

41-Nb-88

Radionuclide Production Cross Section



26

Incident Energy (MeV)

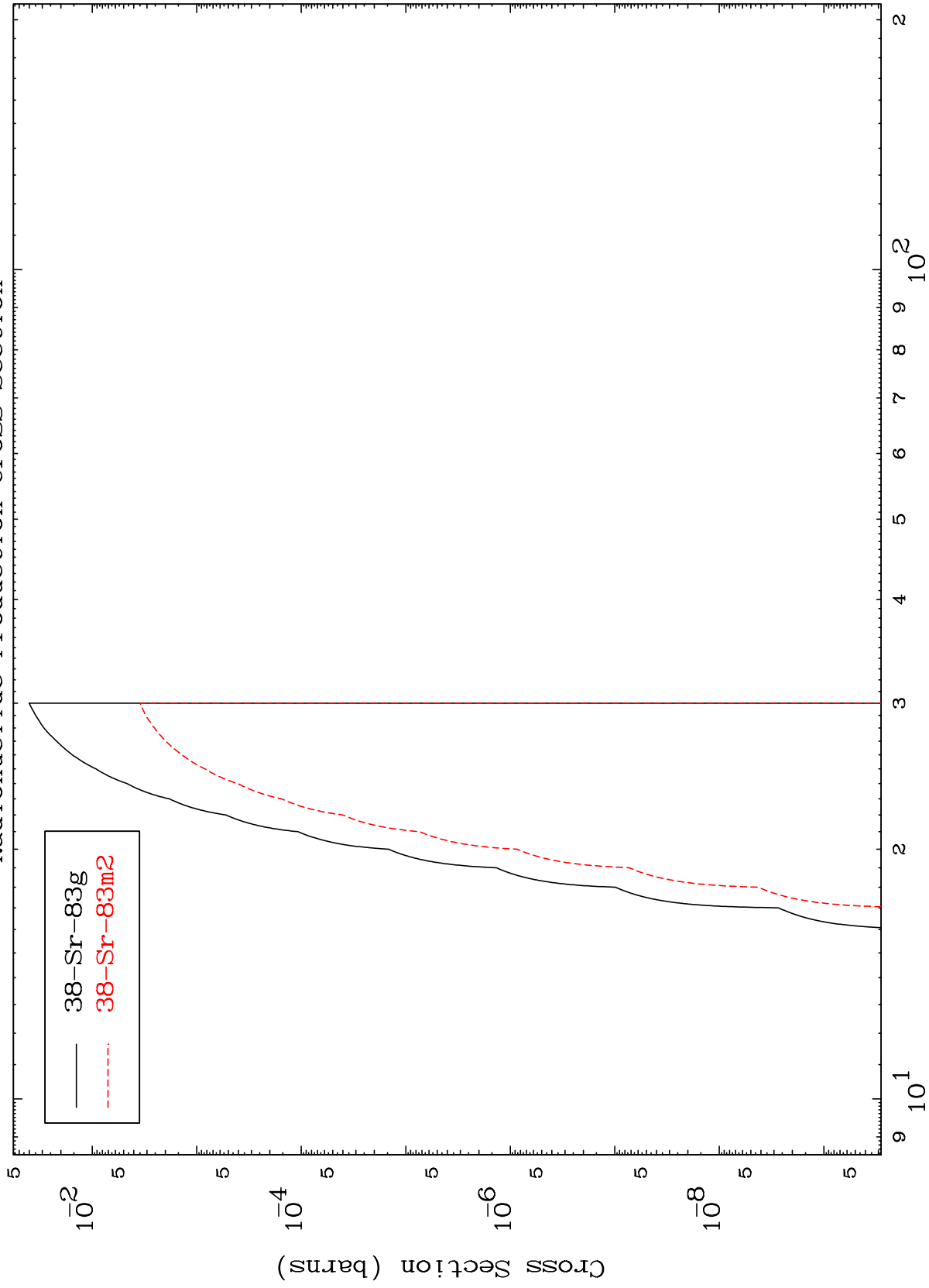
41-Nb-88

MAT 4111

(n,n') p α

41-Nb-88

Radionuclide Production Cross Section

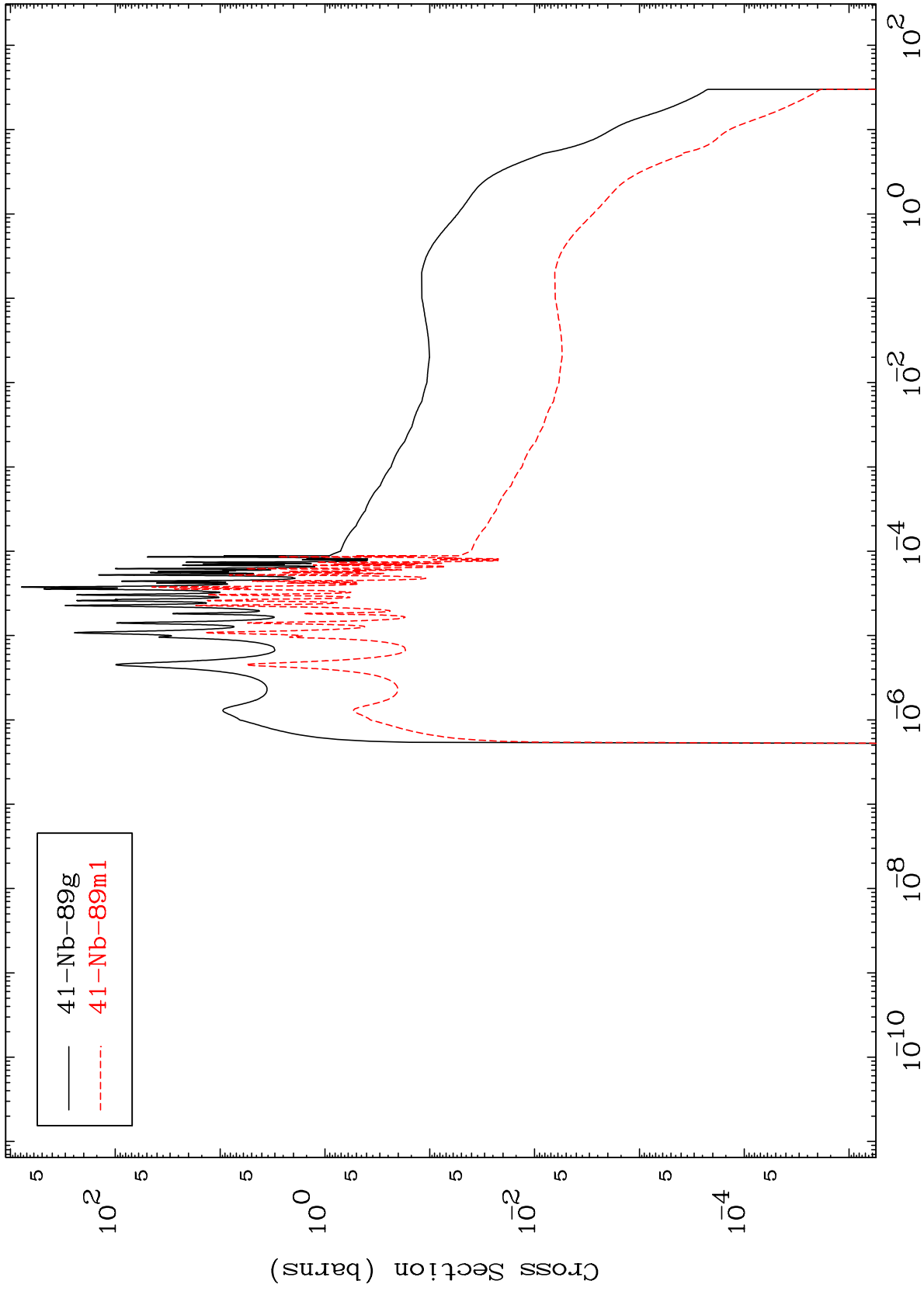


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MAT 4111

41-Nb-88

Radionuclide Production Cross Section (n,γ)

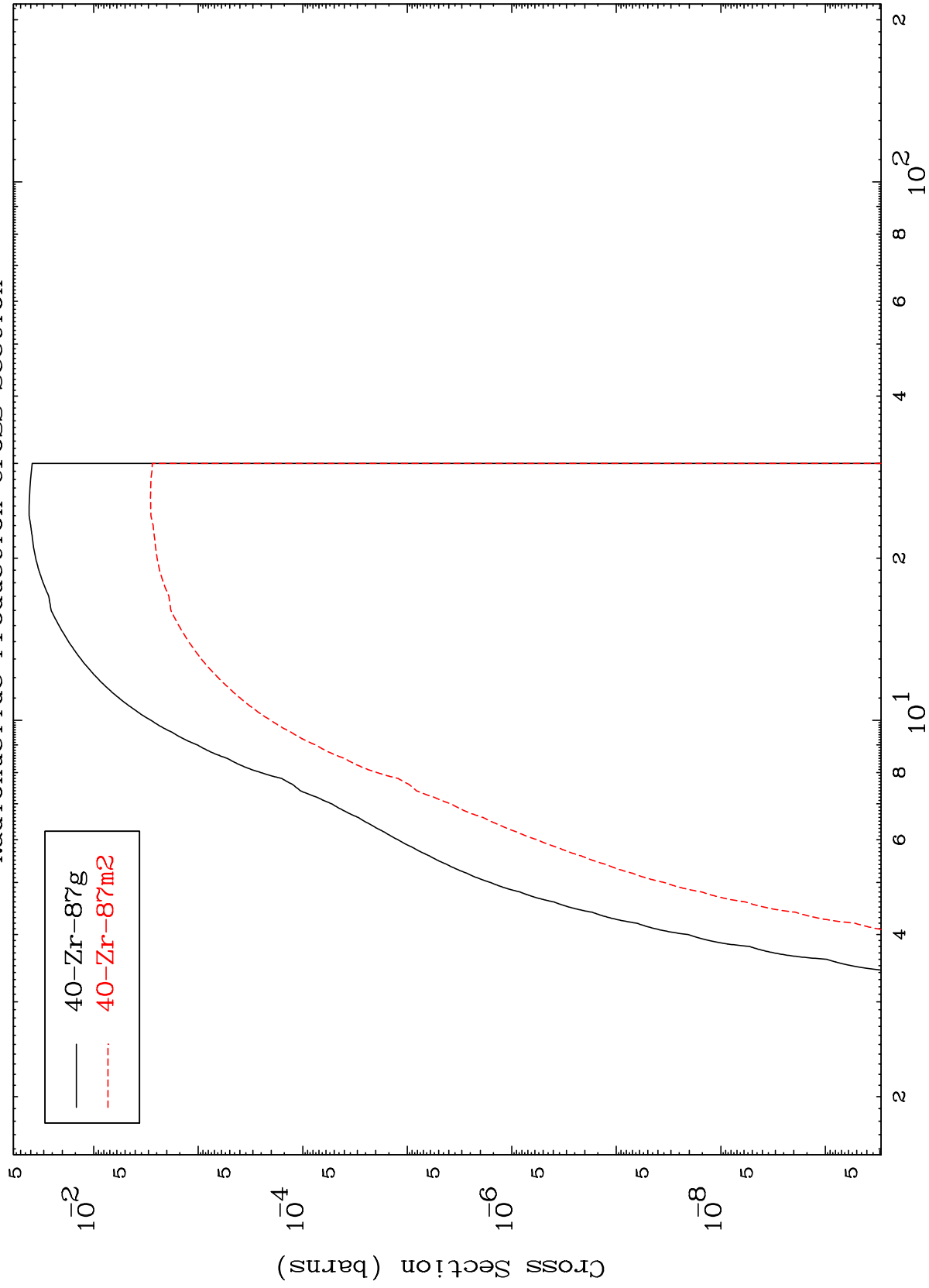


41-Nb-88

MAT 4111

Radionuclide Production Cross Section
(n,d)

41-Nb-88



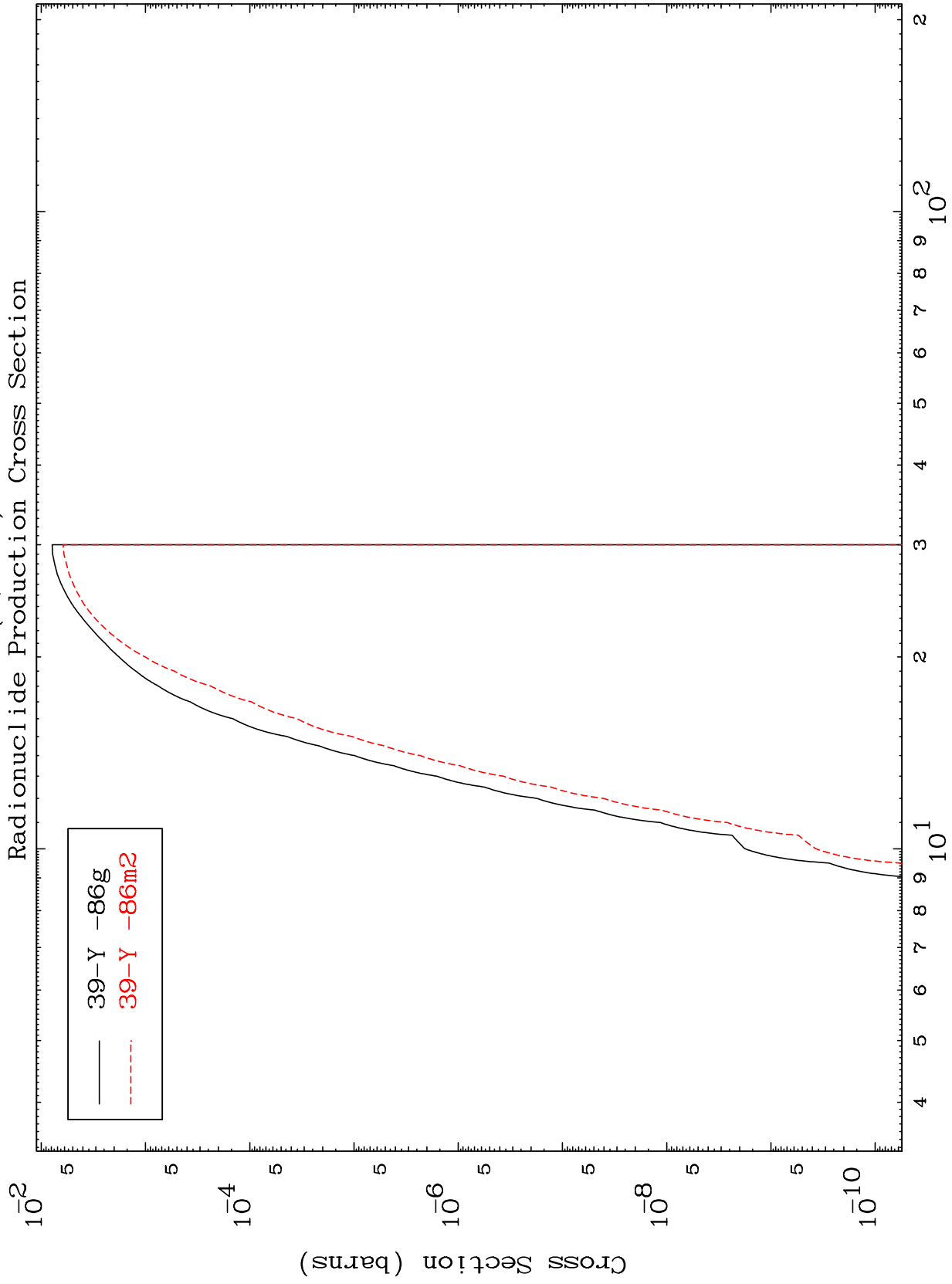
29

41-Nb-88

MAT 4111

(n,He-3)

41-Nb-88



39-Y -86g
39-Y -86m2

30

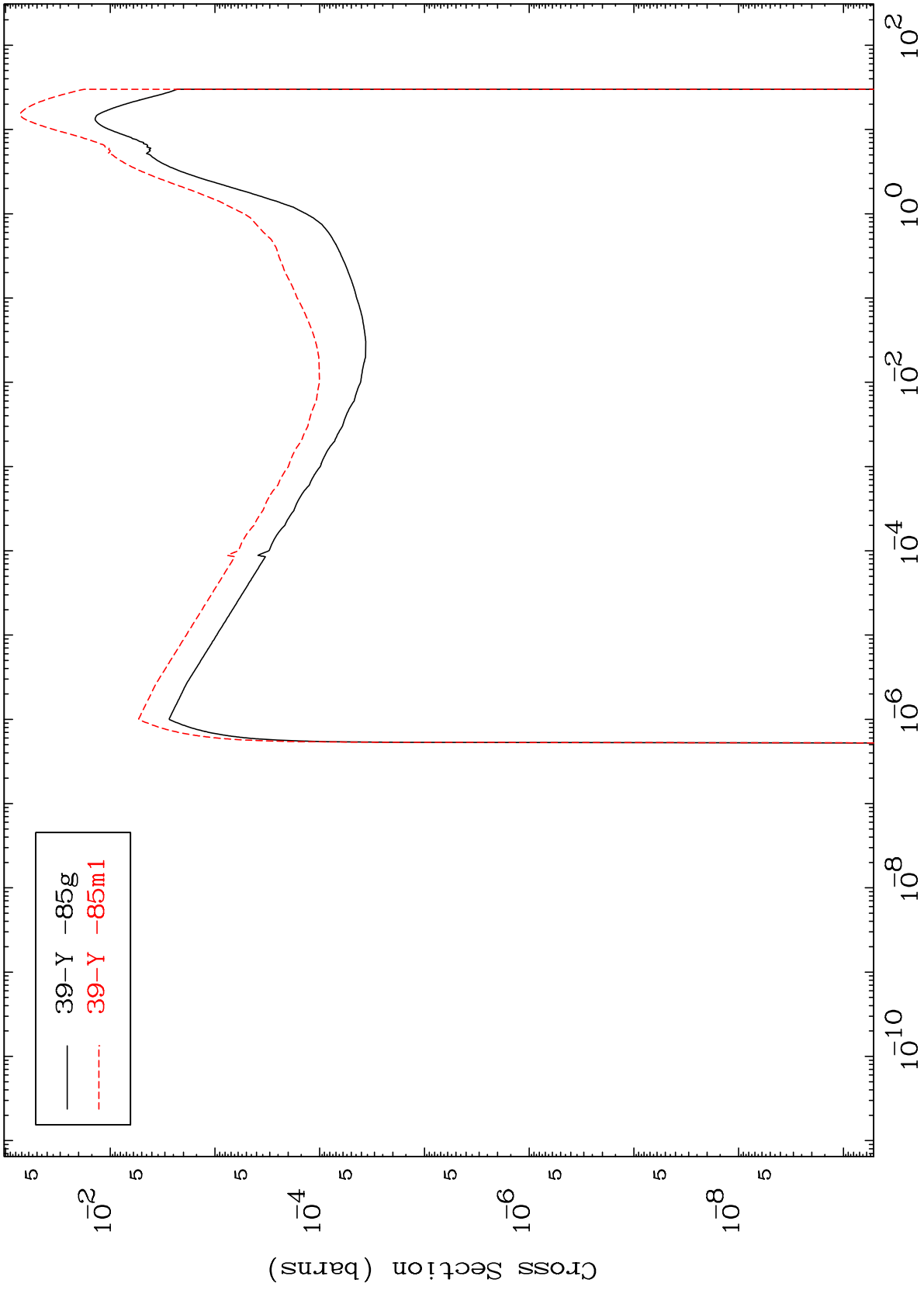
Incident Energy (MeV)

41-Nb-88

MAT 4111

41-Nb-88

Radionuclide Production Cross Section



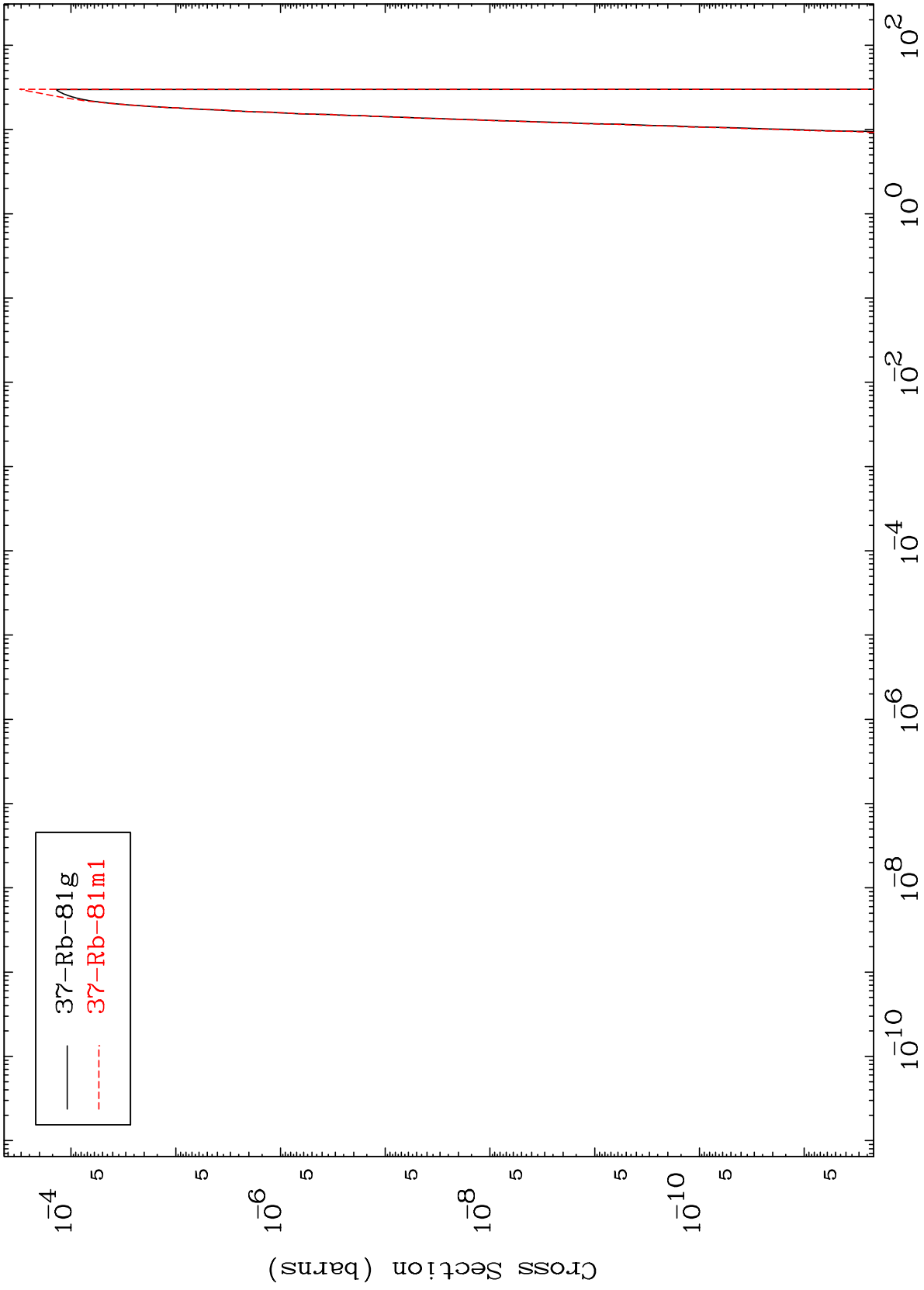
31

41-Nb-88

MAT 4111

Radionuclide Production Cross Section
(n,2α)

41-Nb-88



32

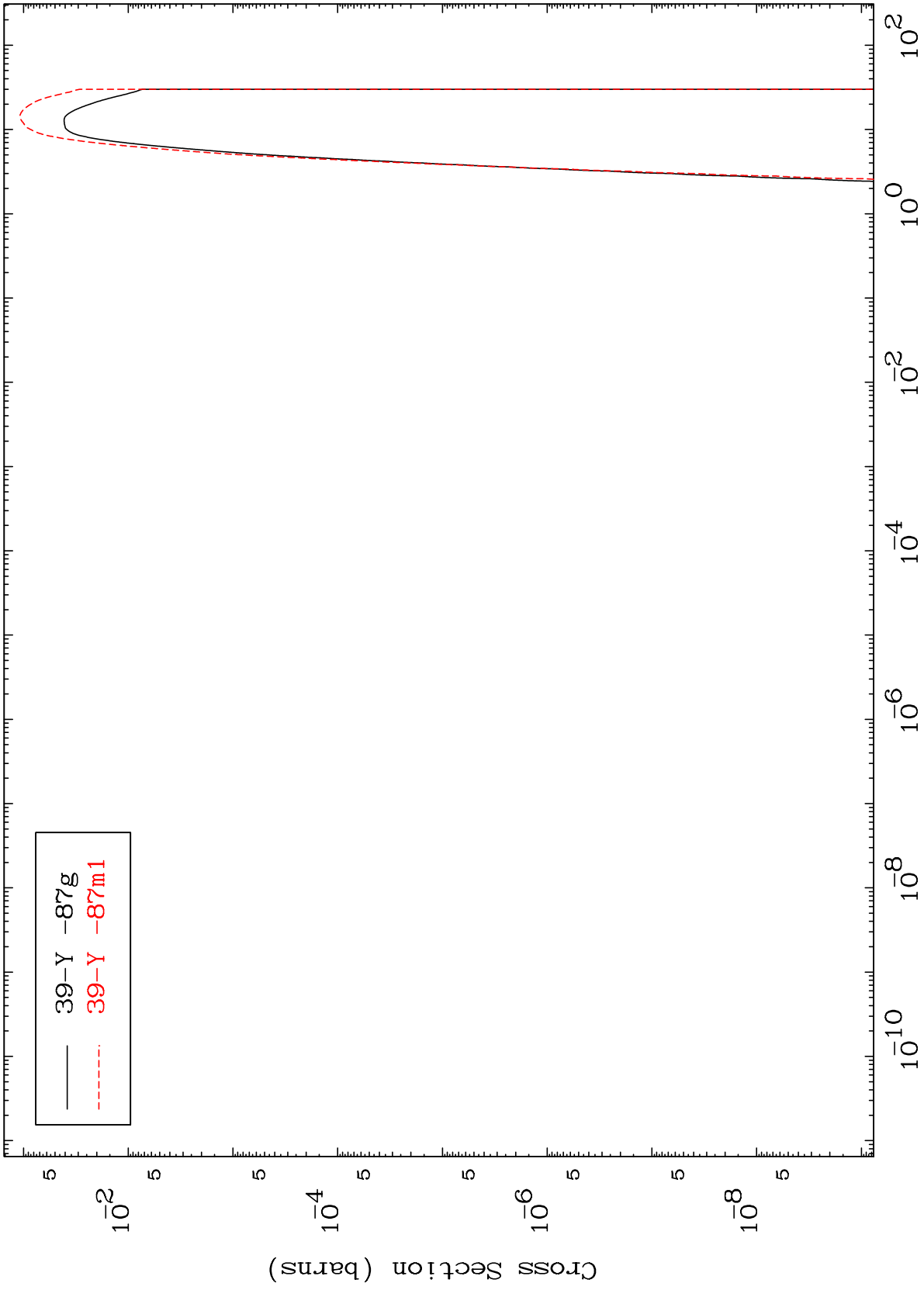
Incident Energy (MeV)

41-Nb-88

MAT 4111

(n,2p)
Radionuclide Production Cross Section

41-Nb-88



33

Incident Energy (MeV)

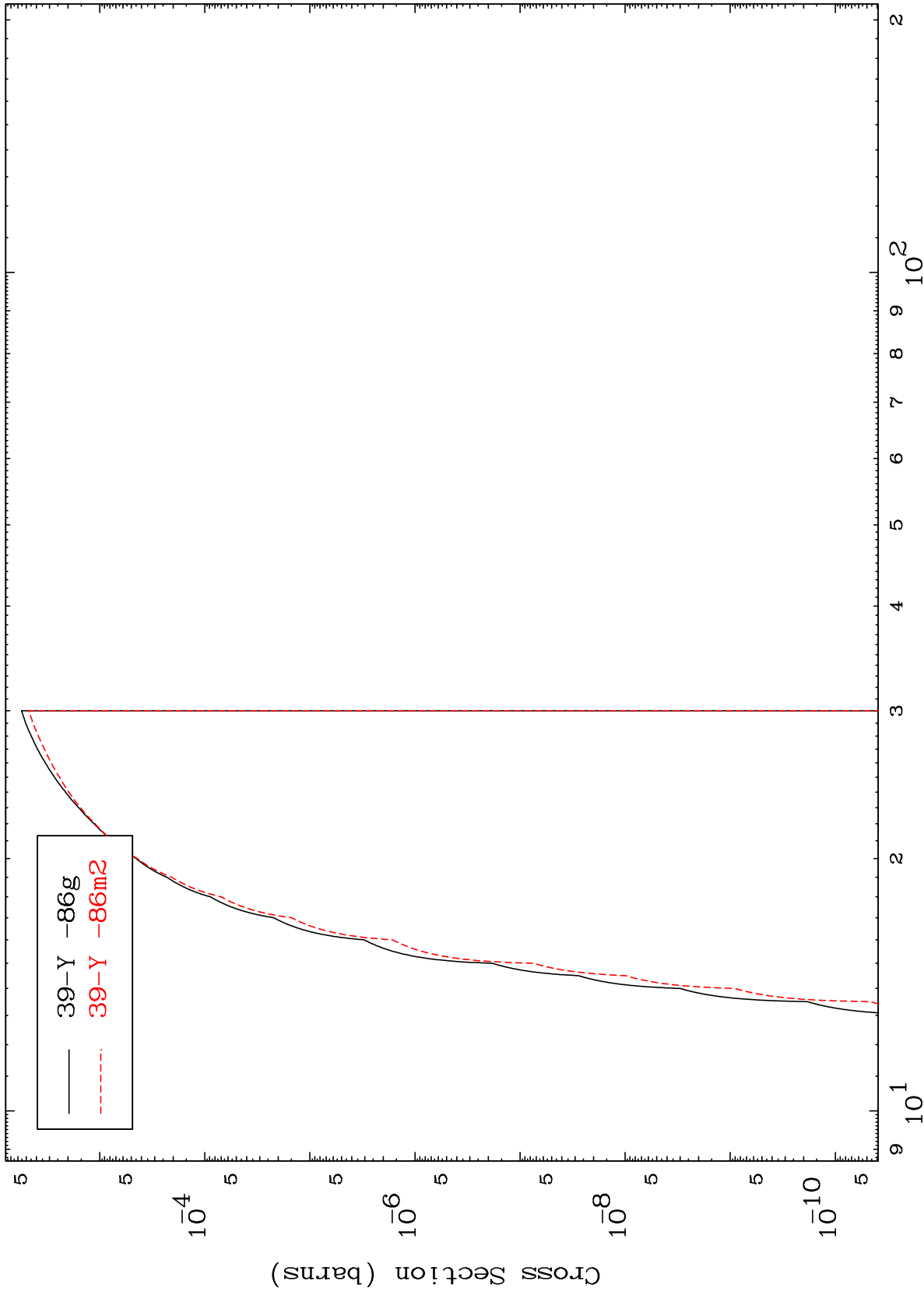
41-Nb-88

MAT 4111

(n,p) d

41-Nb-88

Radionuclide Production Cross Section



34

Incident Energy (MeV)

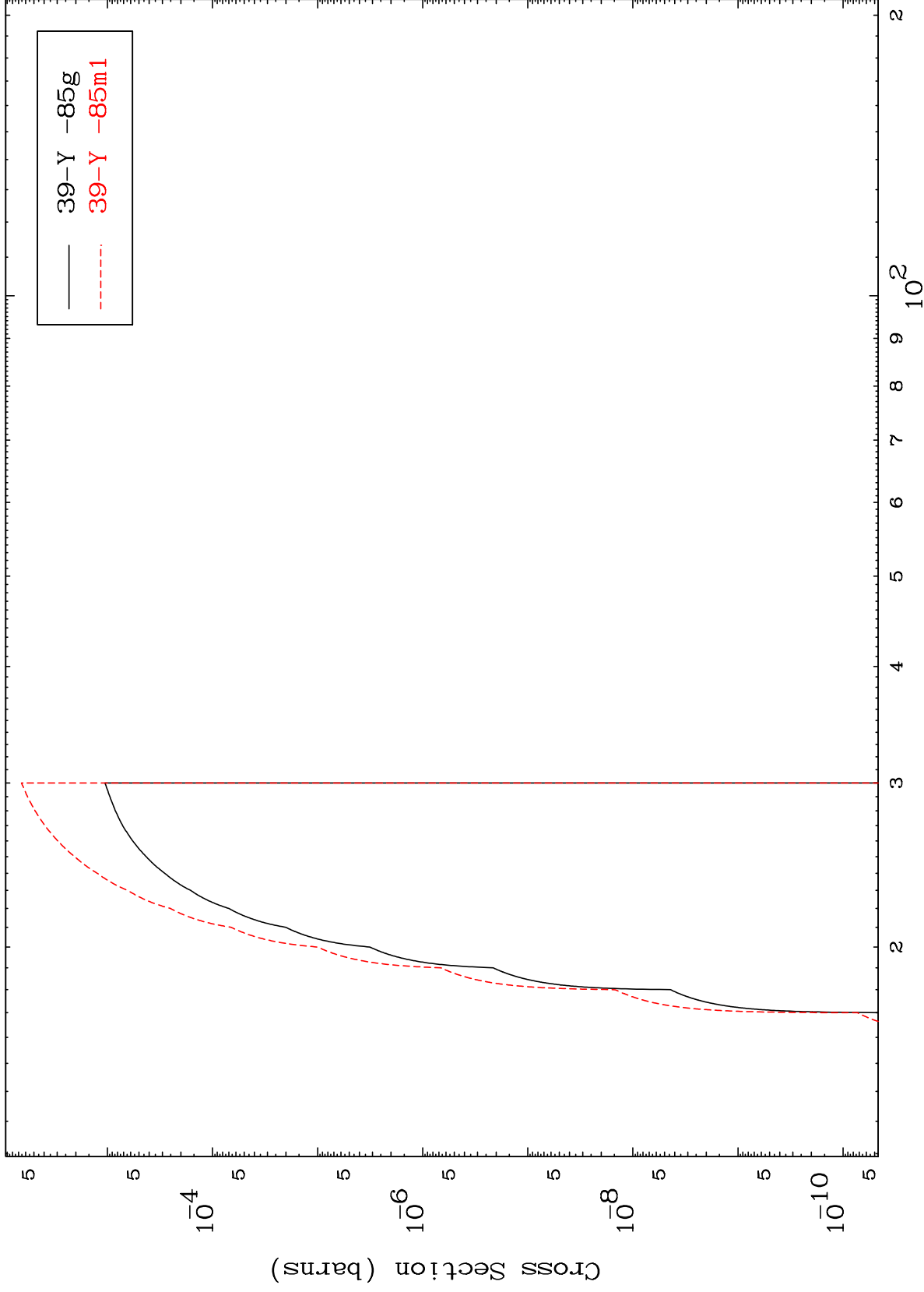
41-Nb-88

MAT 4111

(n,p) t

41-Nb-88

Radionuclide Production Cross Section



35

Incident Energy (MeV)

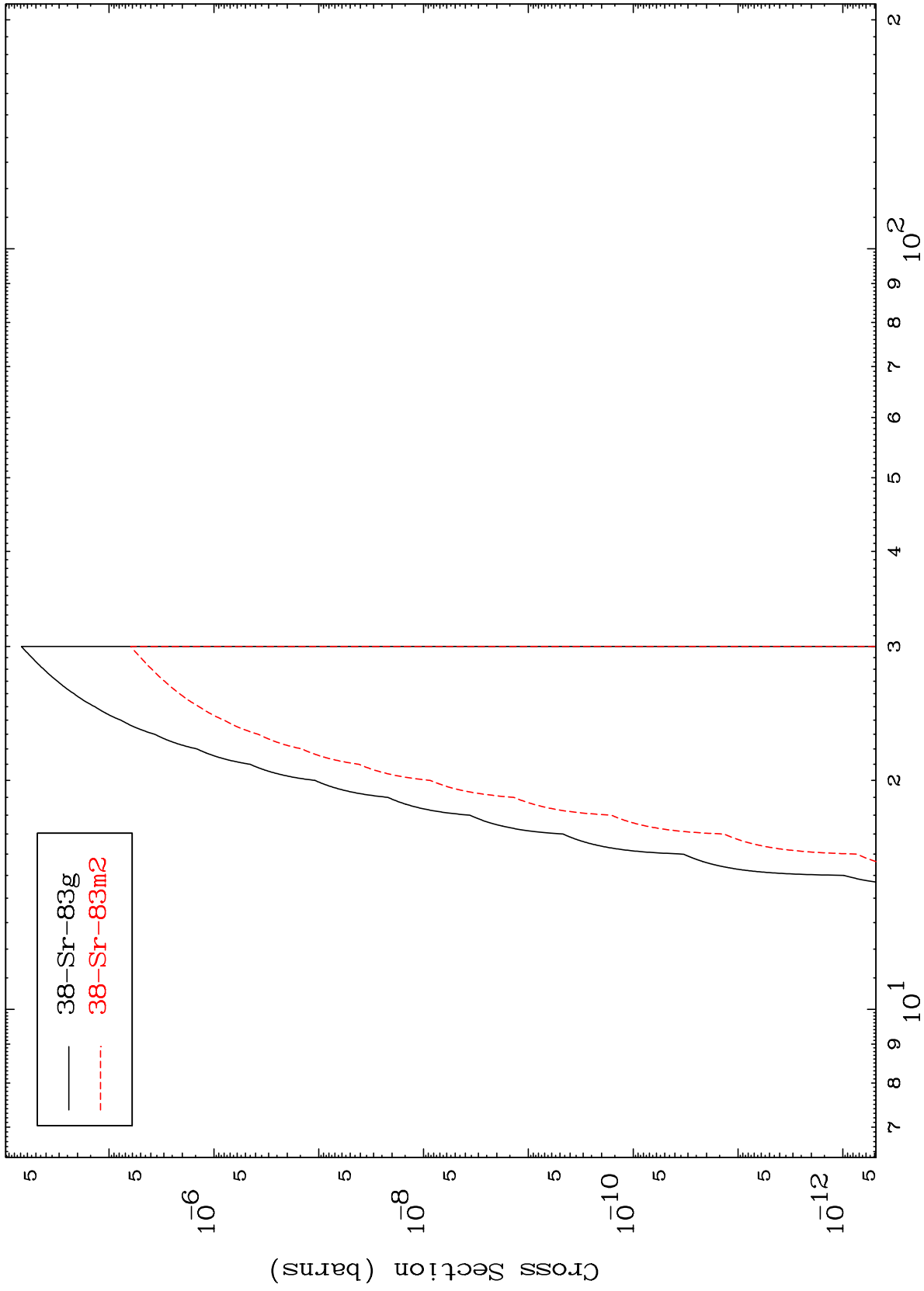
41-Nb-88

MAT 4111

(n,d) α

41-Nb-88

Radionuclide Production Cross Section



36

Incident Energy (MeV)

41-Nb-88