

Program EVALPLOT
(Version 2018-1)

by

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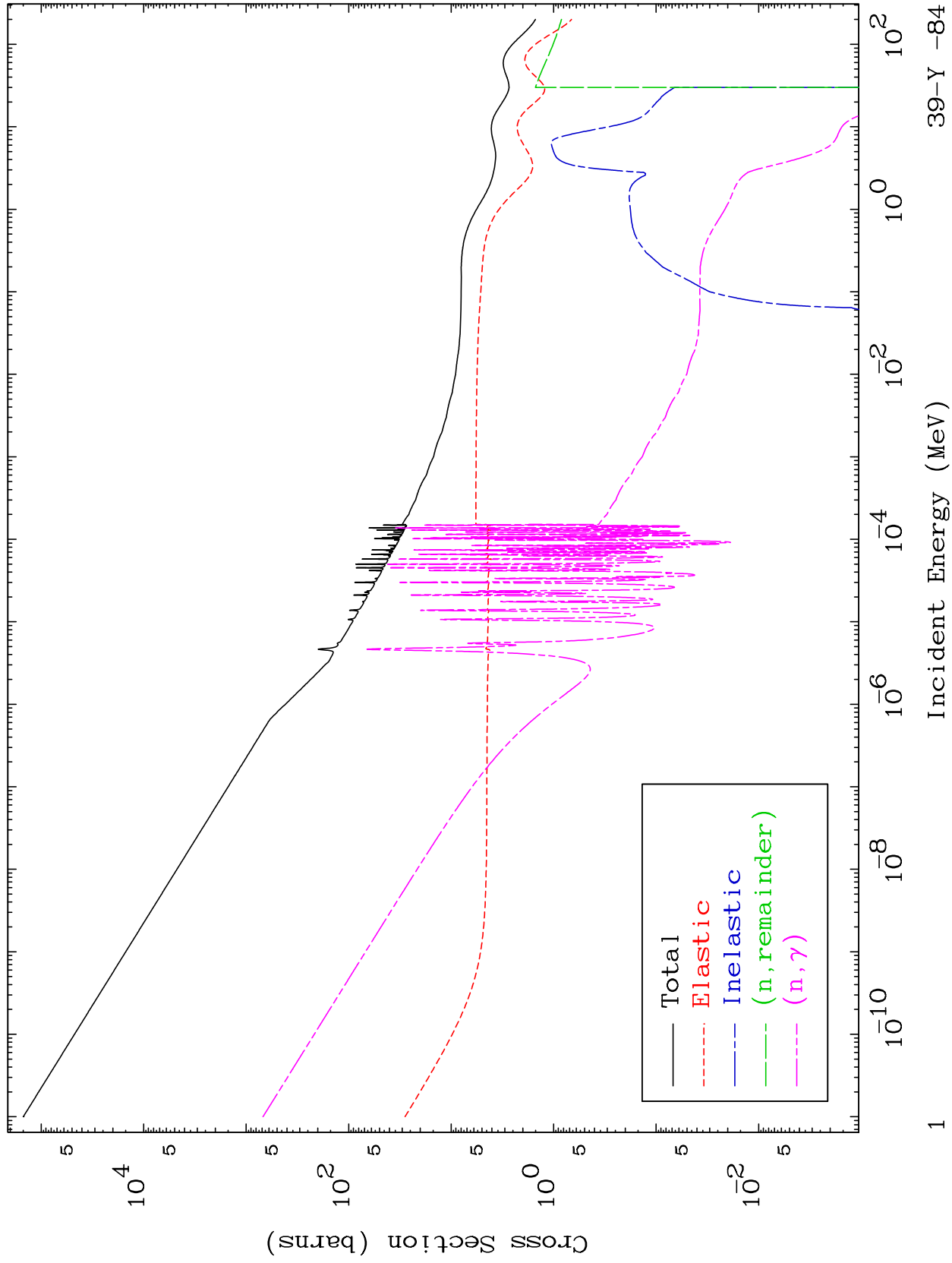
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3911

Major
293 Kelvin Cross Sections

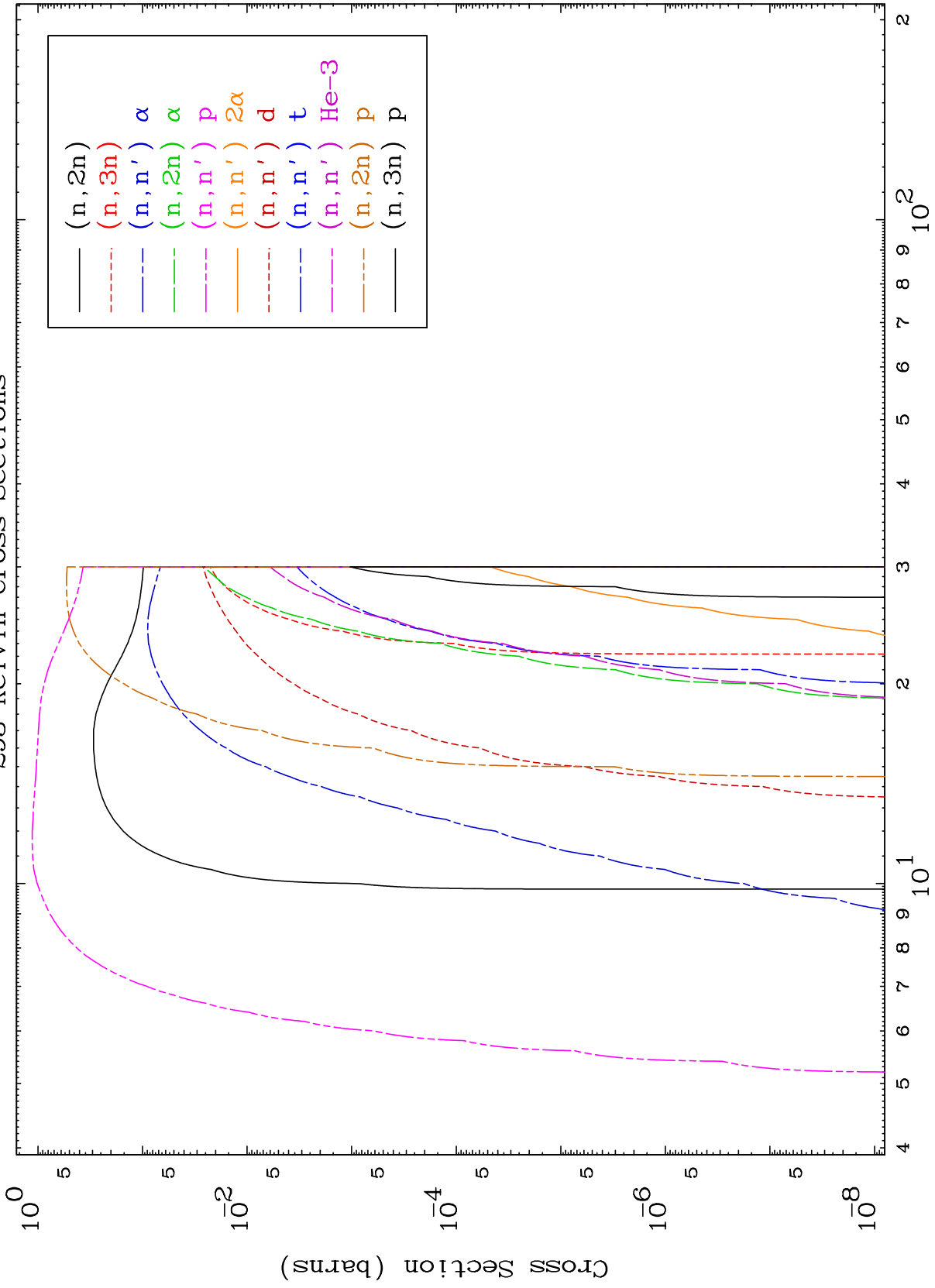
39-Y -84



MAT 3911

Neutron Production 293 Kelvin Cross Sections

39-Y -84



2

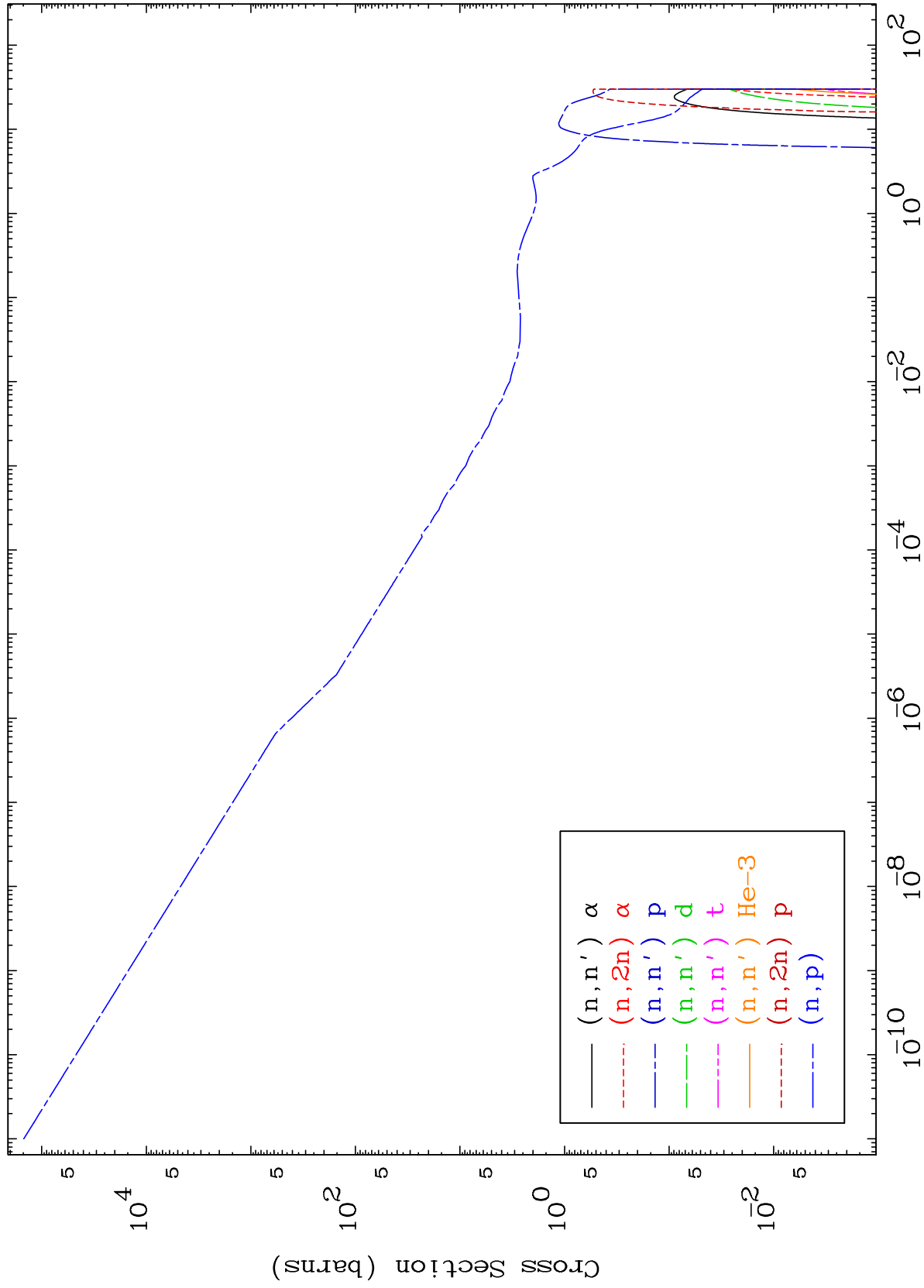
Incident Energy (MeV)

39-Y -84

MAT 3911

293 Kelvin Cross Sections

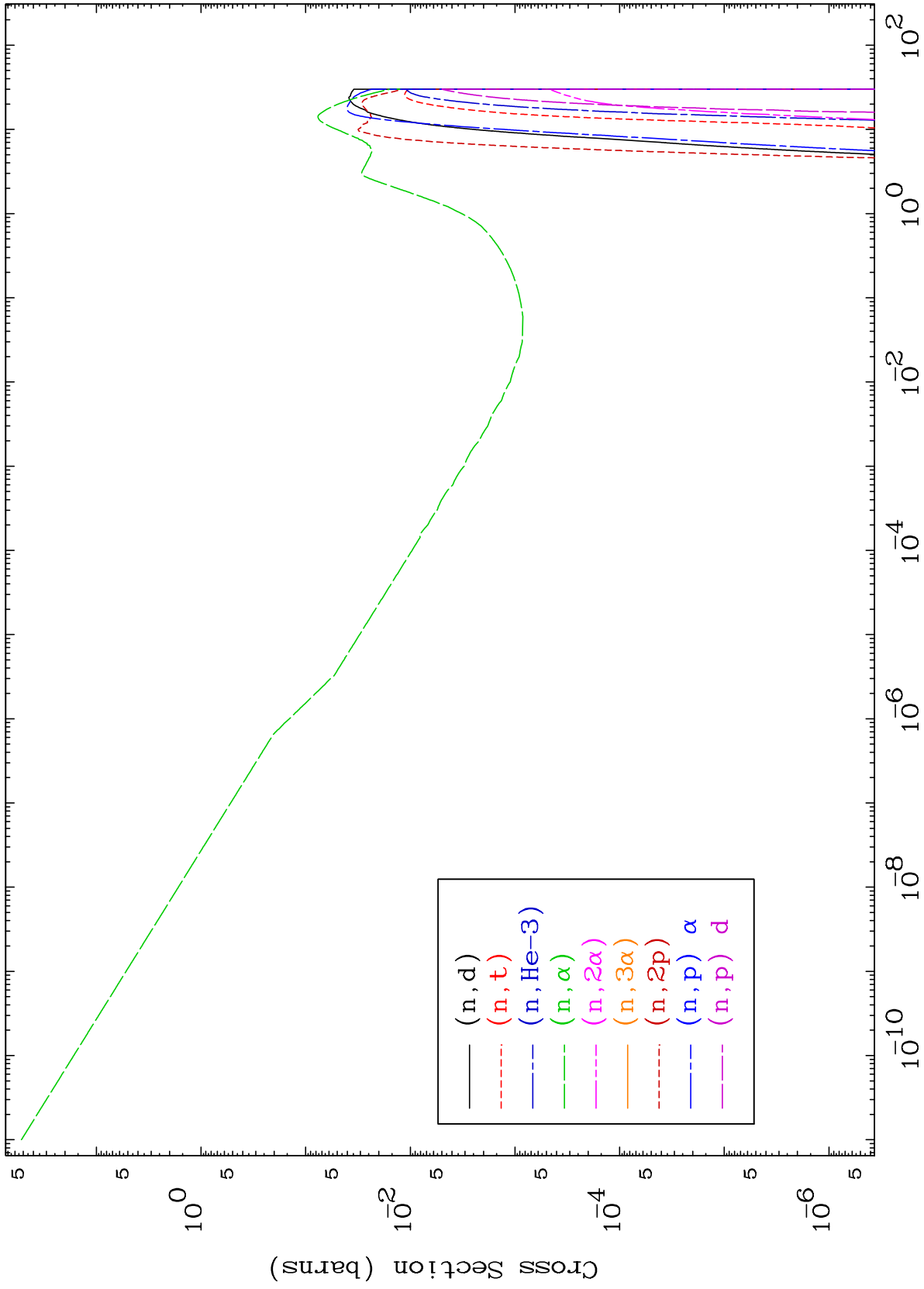
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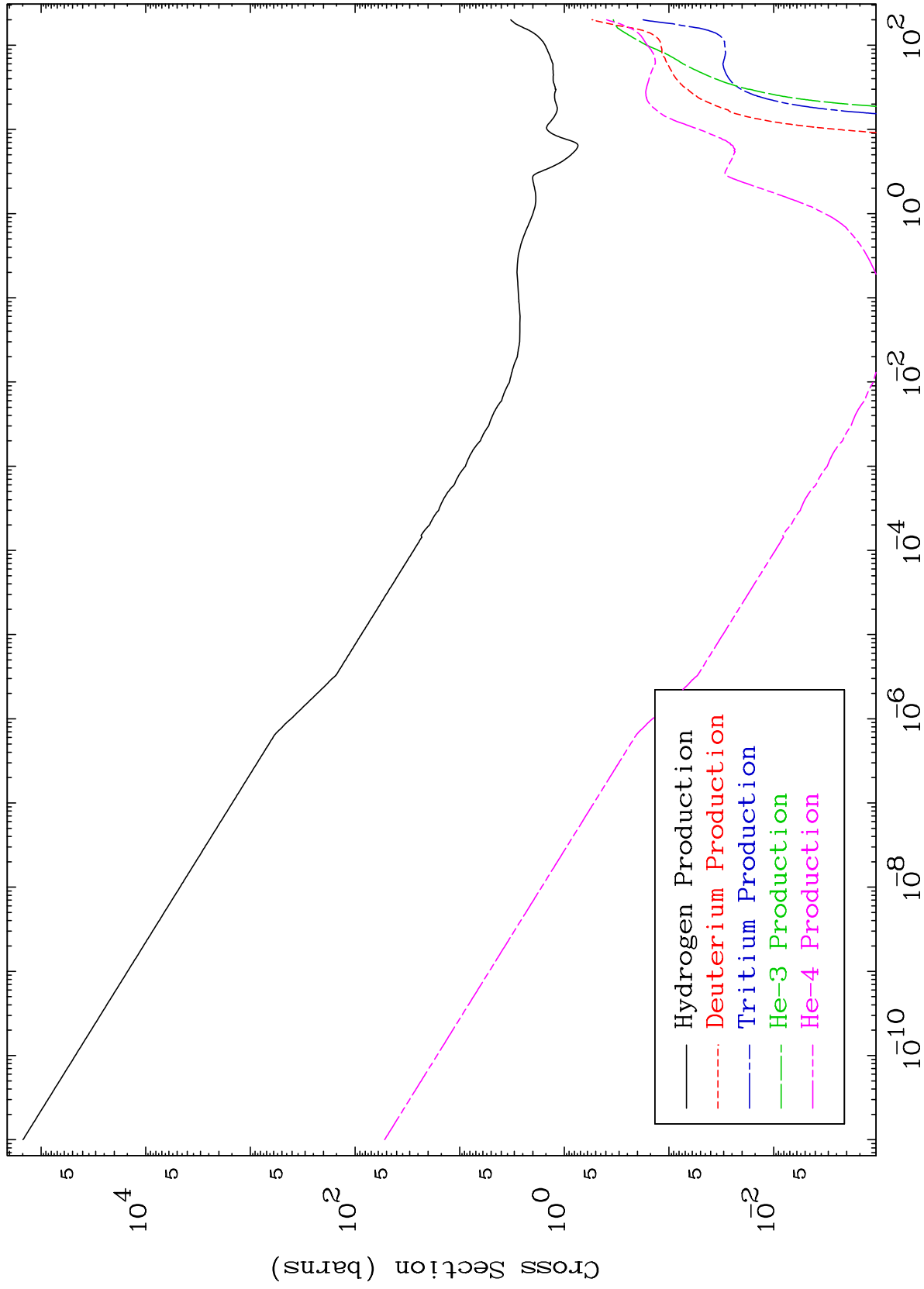


MAT 3911

Charged Particle
293 Kelvin Cross Sections

39-Y -84

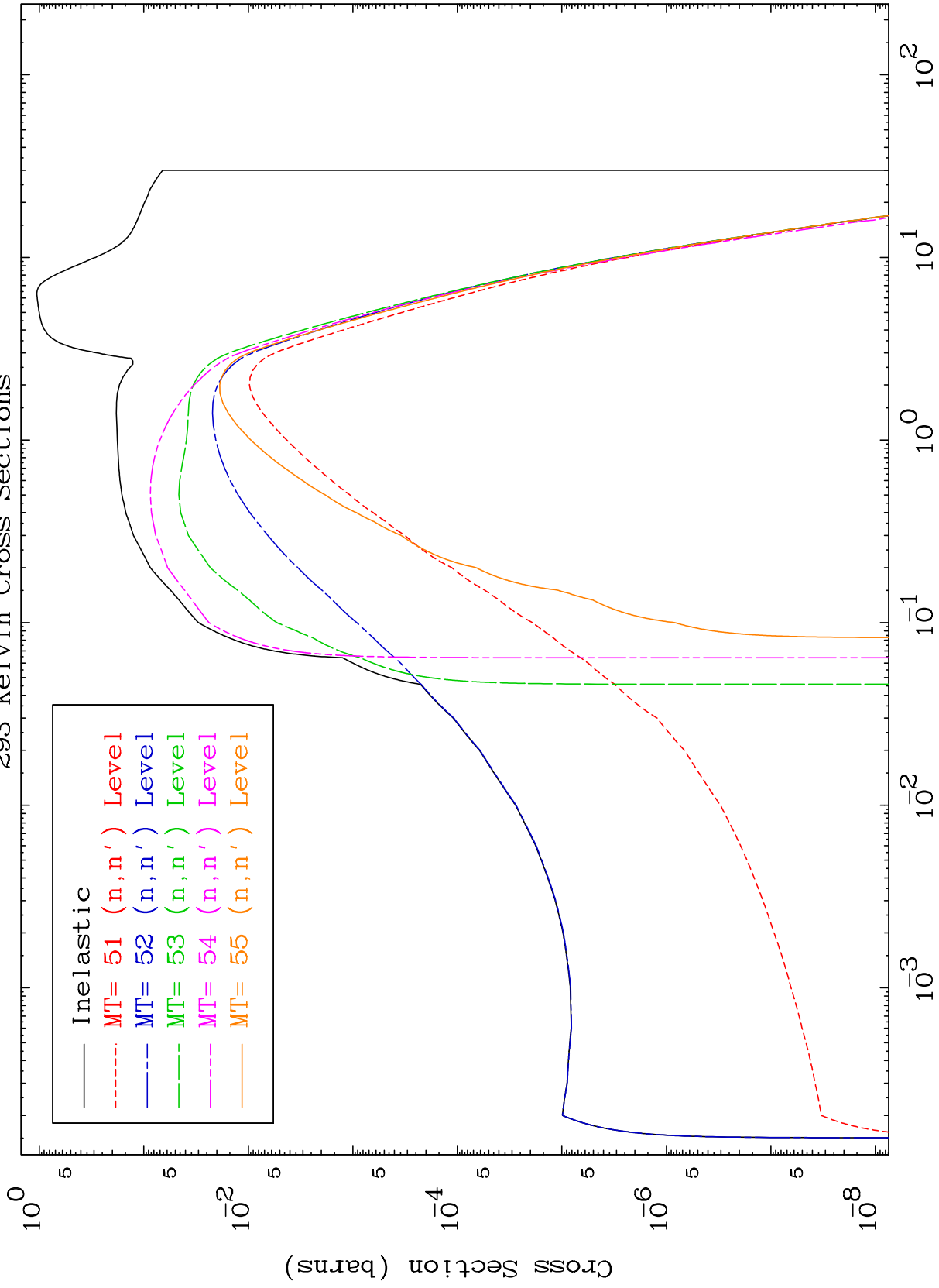




MAT 3911

(n,n') Level
293 Kelvin Cross Sections

39-Y -84



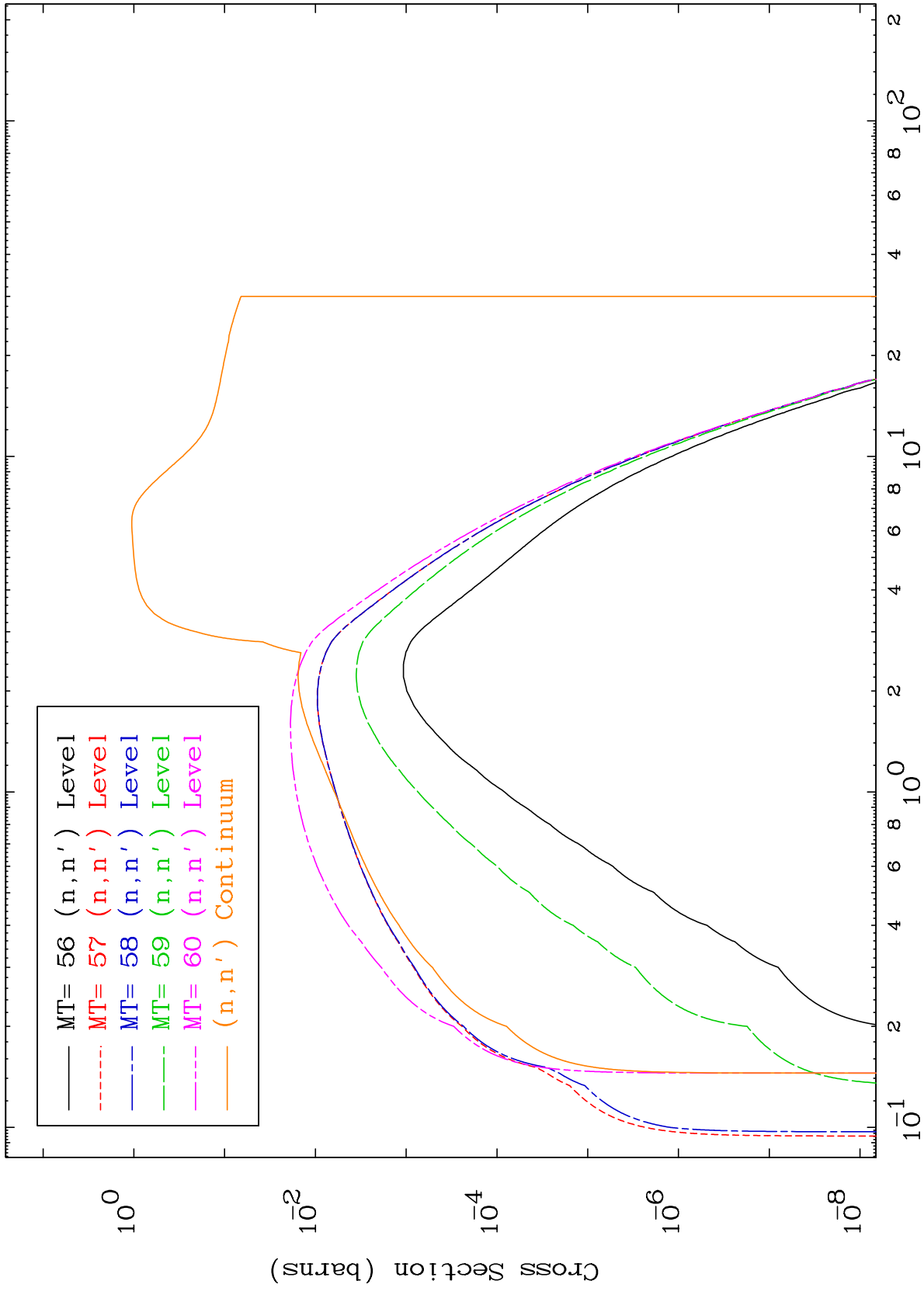
6

39-Y -84

MAT 3911

293 Kelvin Cross Sections

39-Y -84



7

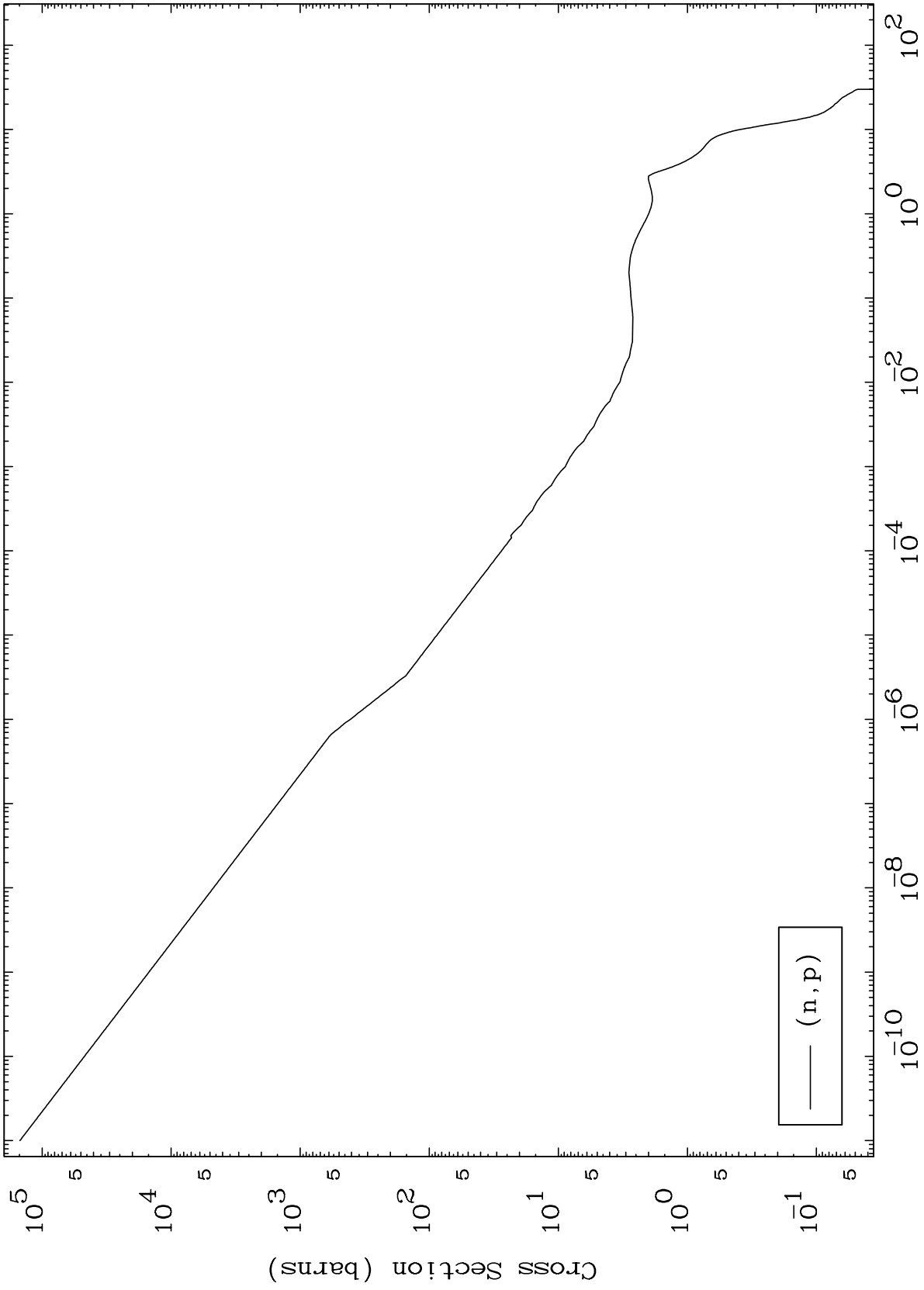
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,p) Levels
293 Kelvin Cross Sections

39-Y -84

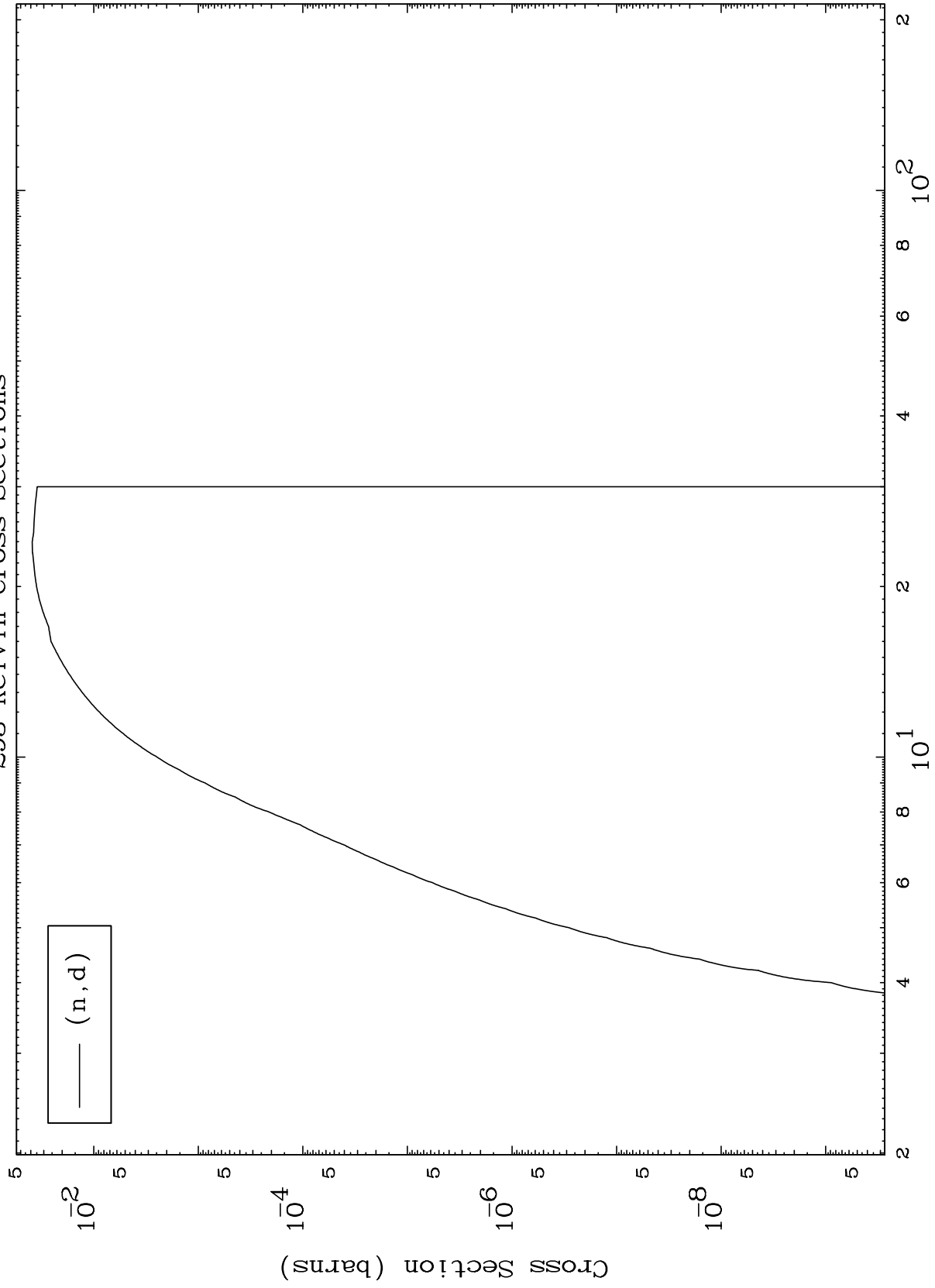


— (n,p)

MAT 3911

(n,d) Levels
293 Kelvin Cross Sections

39-Y -84



9

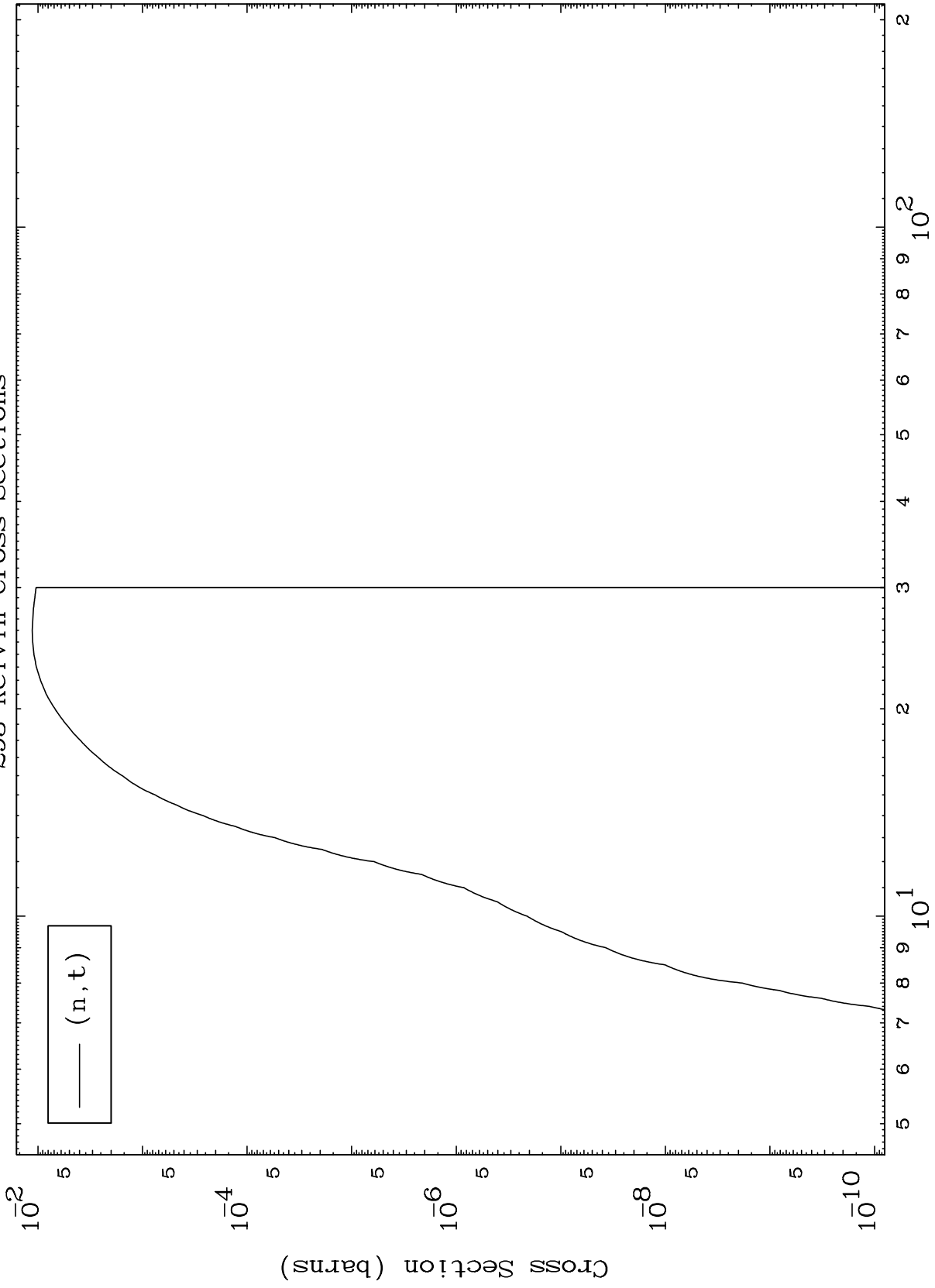
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,t) Levels
293 Kelvin Cross Sections

39-Y -84



10

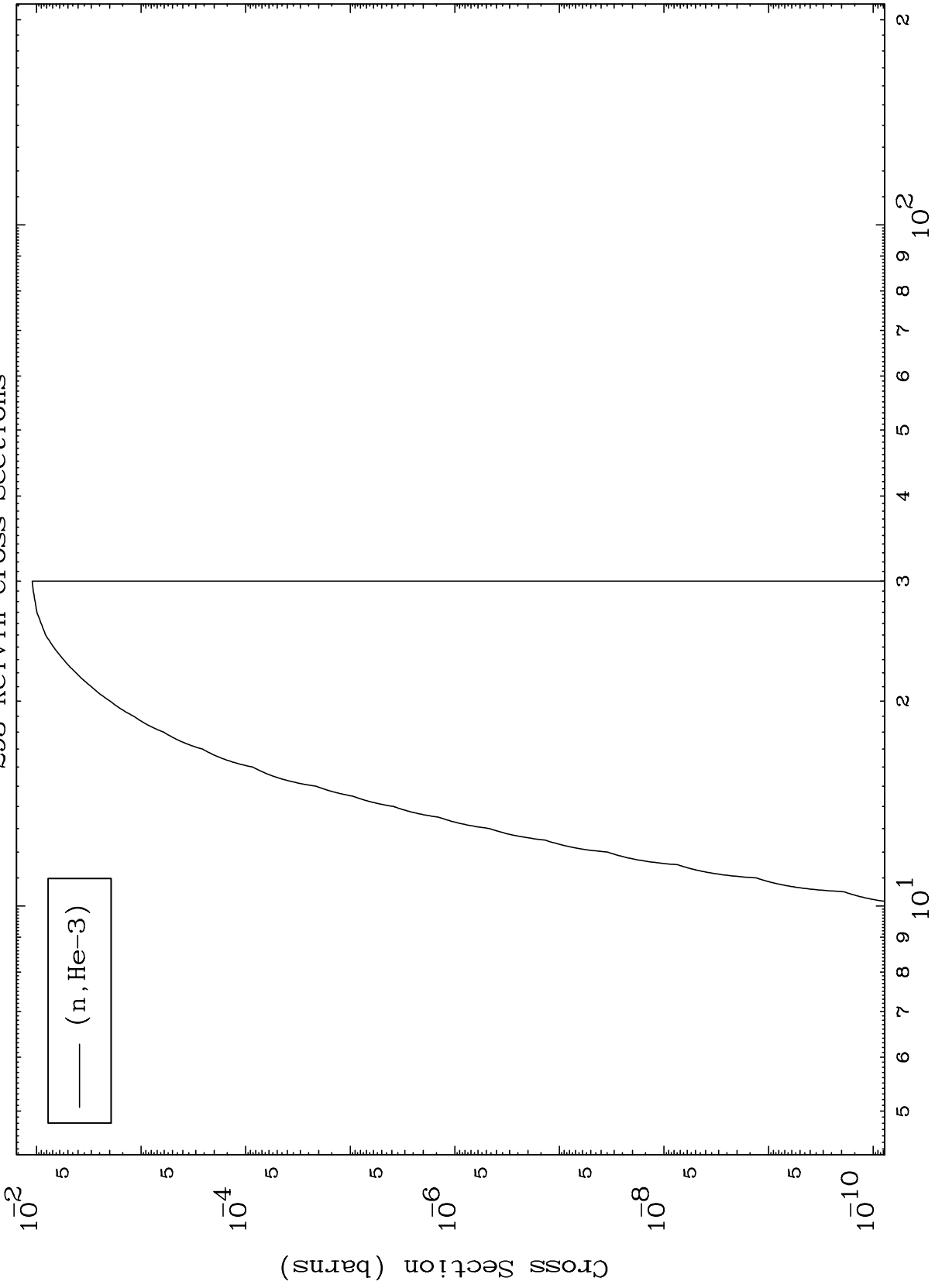
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -84



11

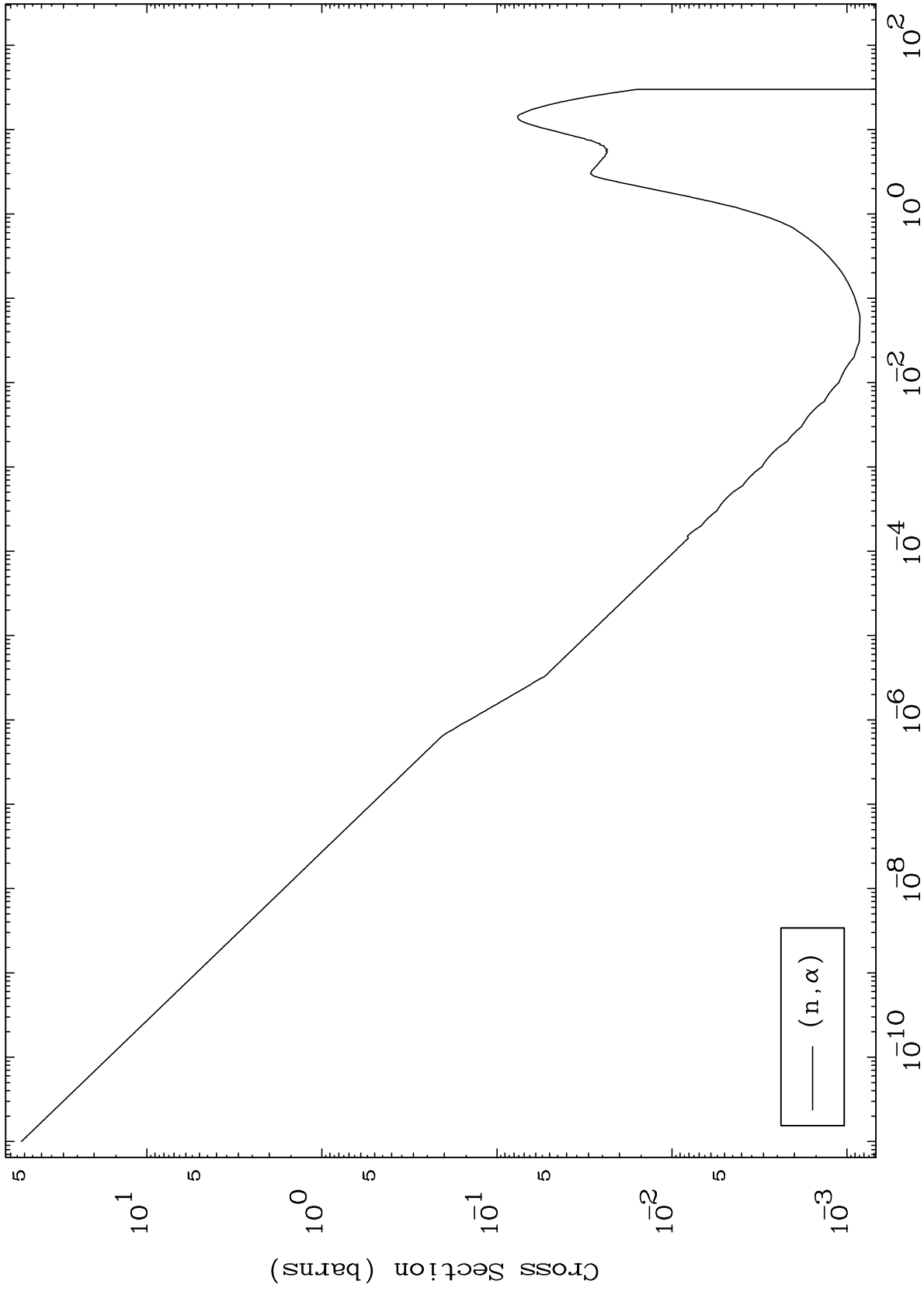
Incident Energy (MeV)

39-Y -84

MAT 3911

(n, α) Levels
293 Kelvin Cross Sections

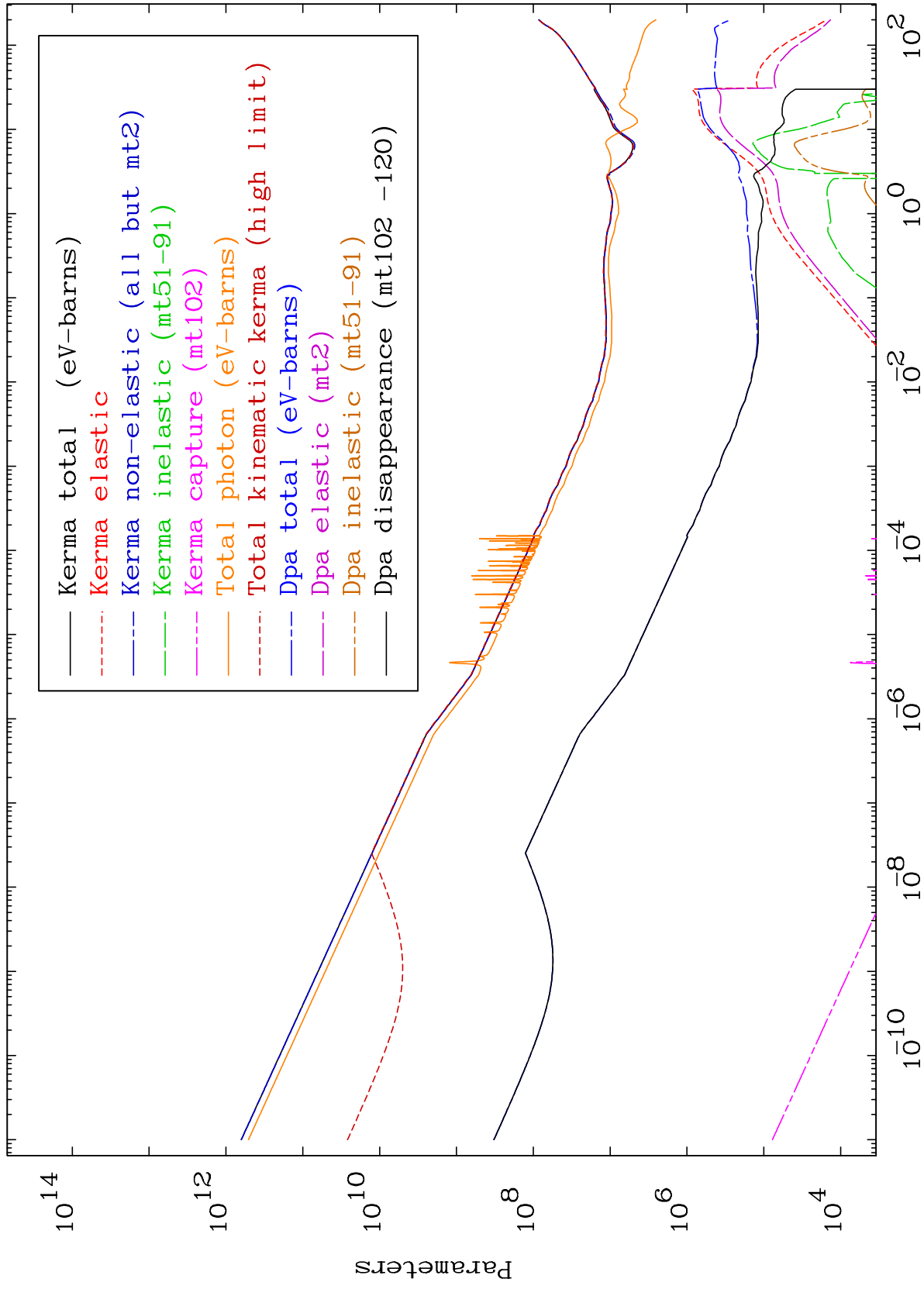
39-Y -84



12

Incident Energy (MeV)

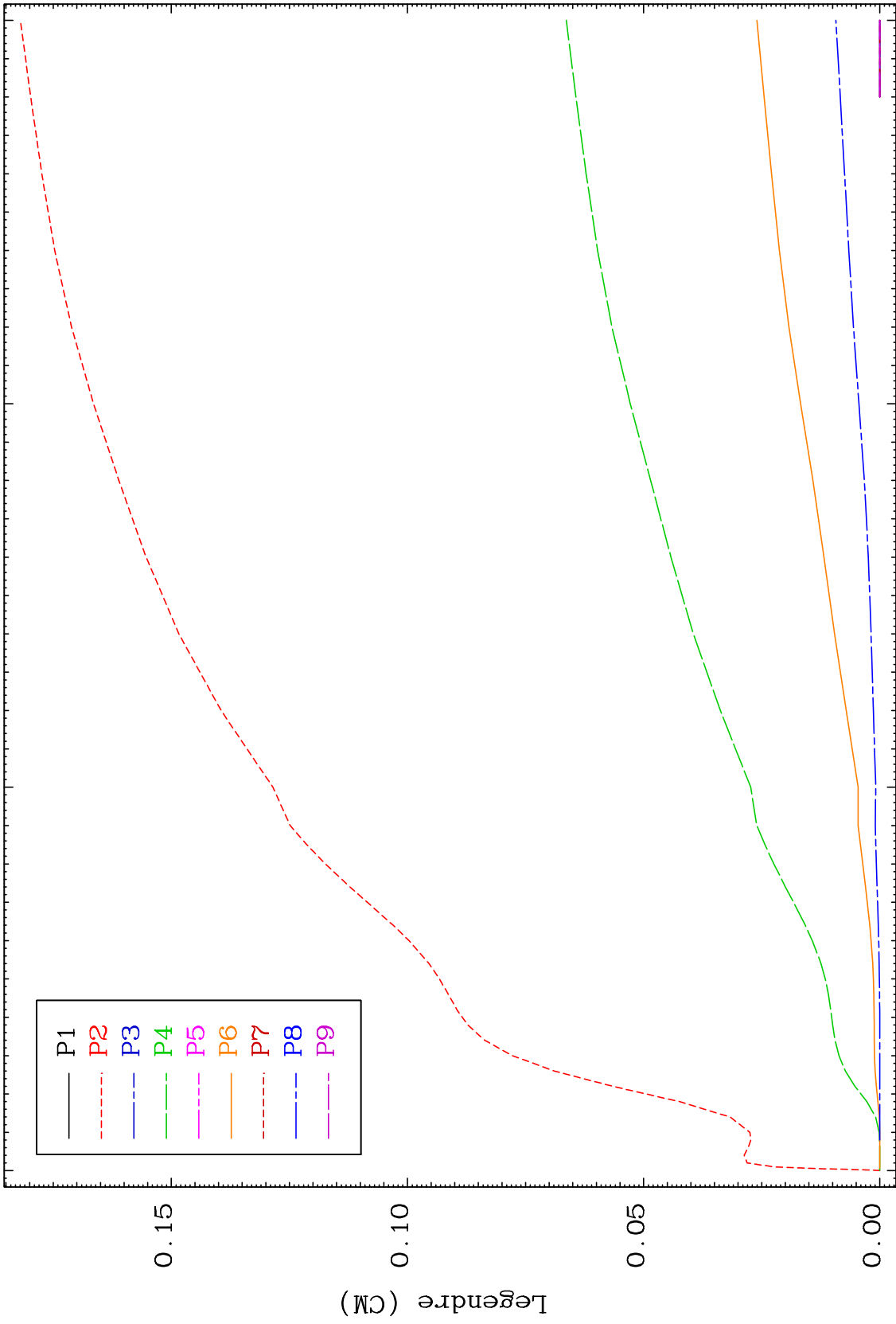
39-Y -84



MAT 3911

Elastic Legendre Coefficients

39-Y -84



14

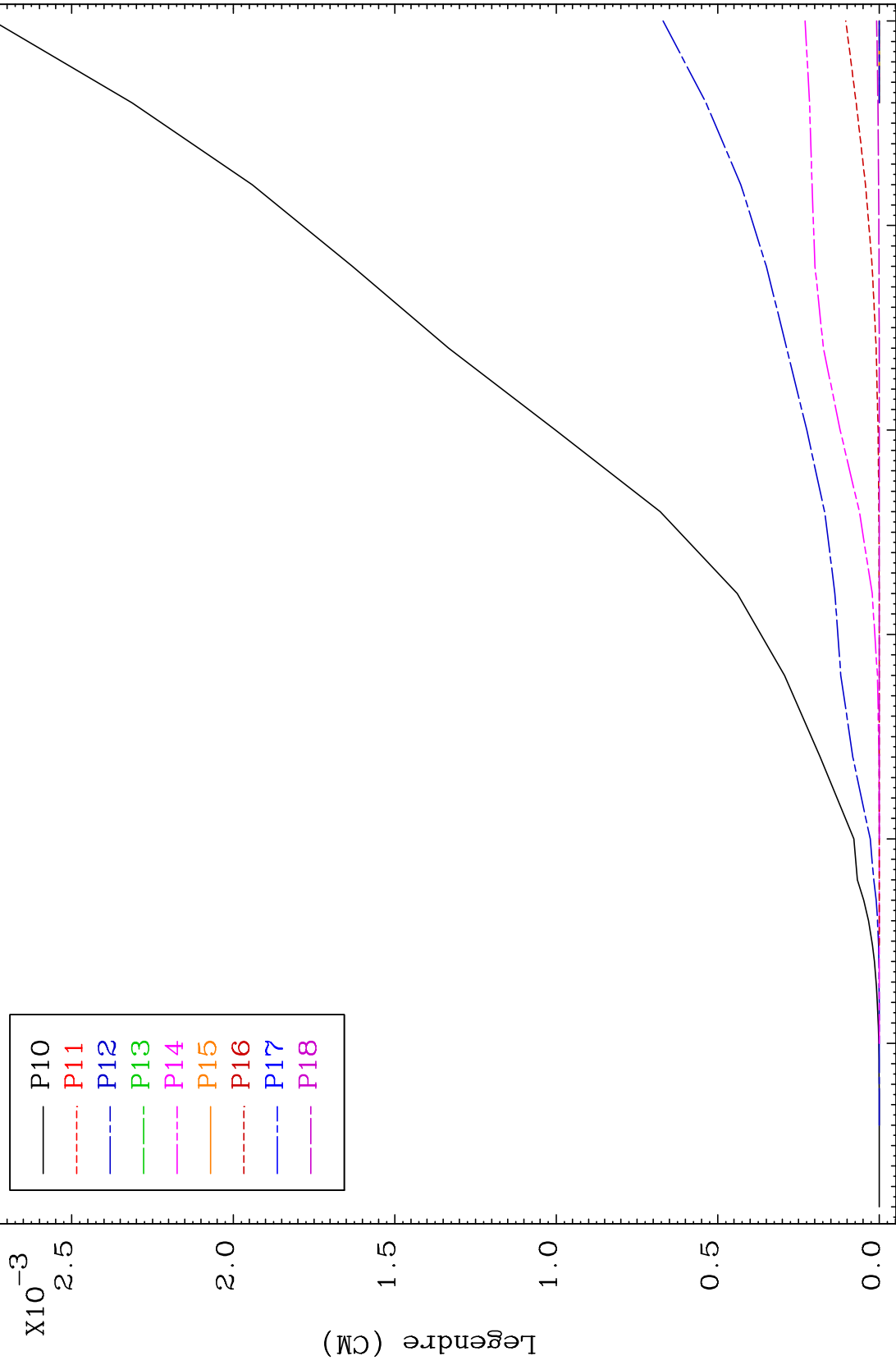
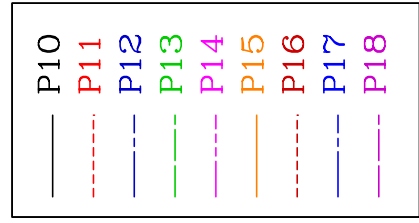
Incident Energy (MeV)

39-Y -84

MAT 3911

Elastic Legendre Coefficients

39-Y -84



15

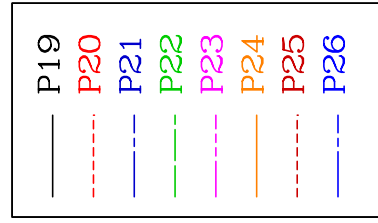
Incident Energy (MeV)

39-Y -84

MAT 3911

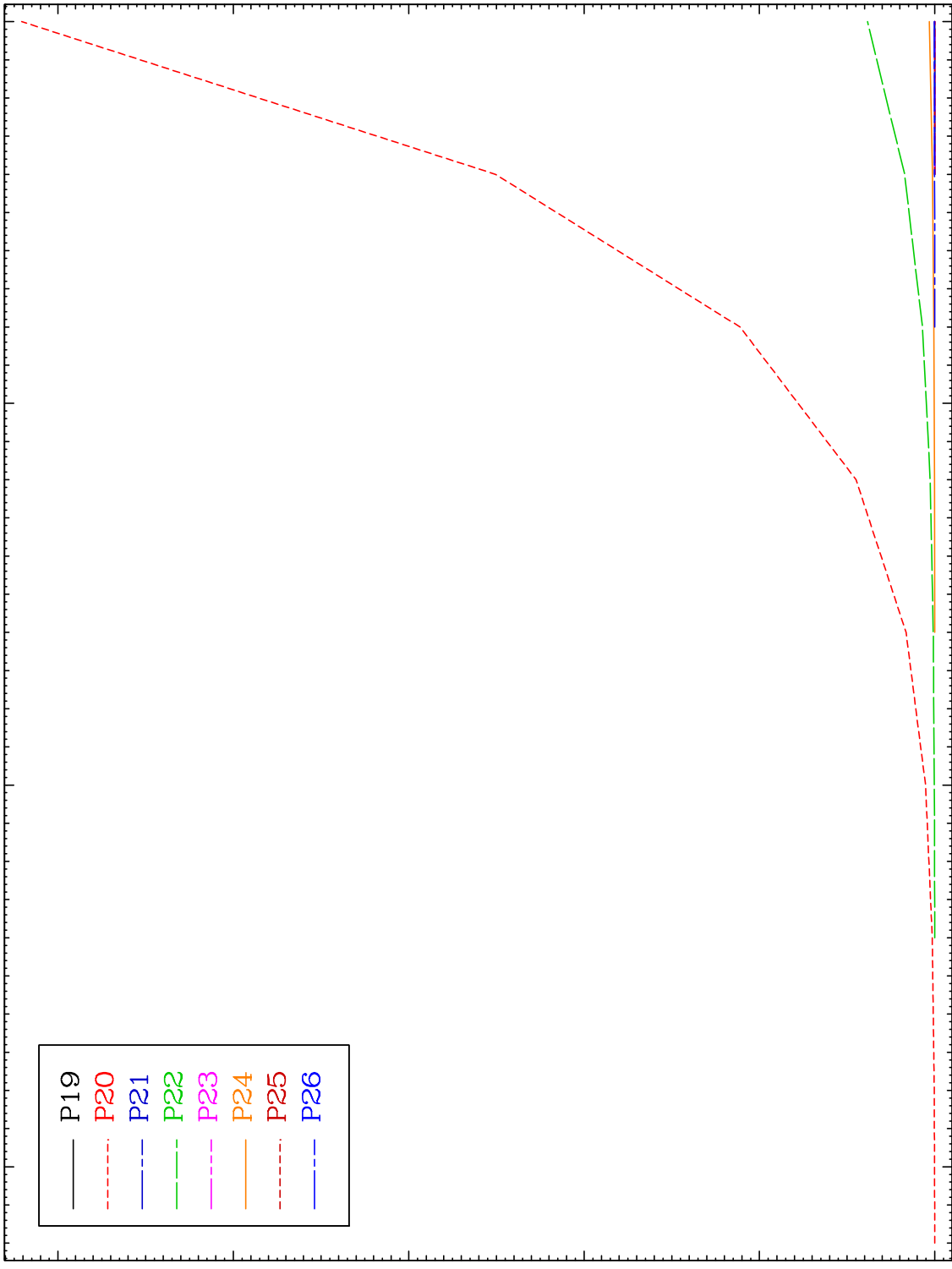
Elastic
Legendre Coefficients

39-Y -84



$\times 10^{-75}$

Legendre (CM)



16

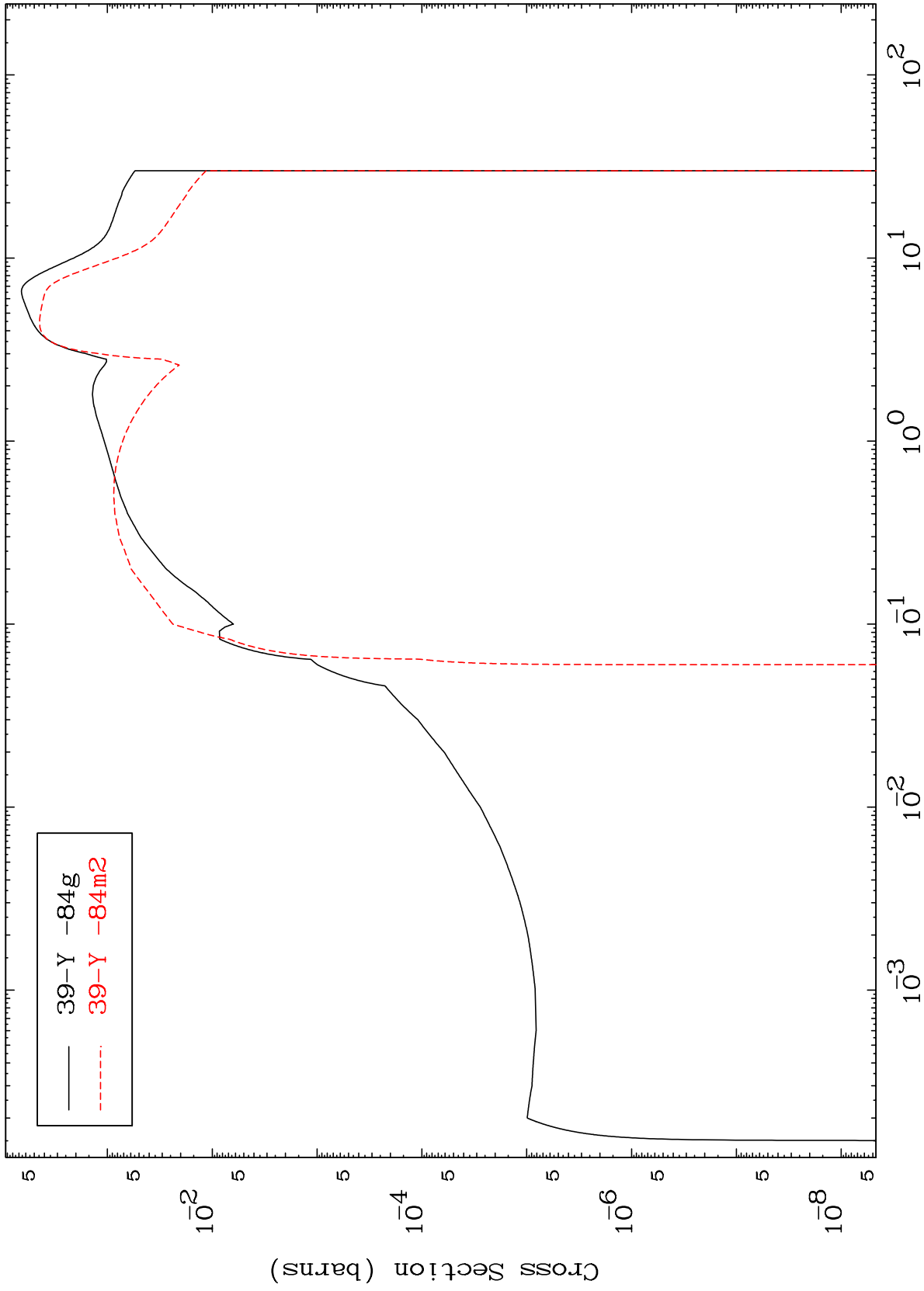
Incident Energy (MeV)

39-Y -84

MAT 3911

39-Y -84

Inelastic
Radionuclide Production Cross Section



39-Y -84

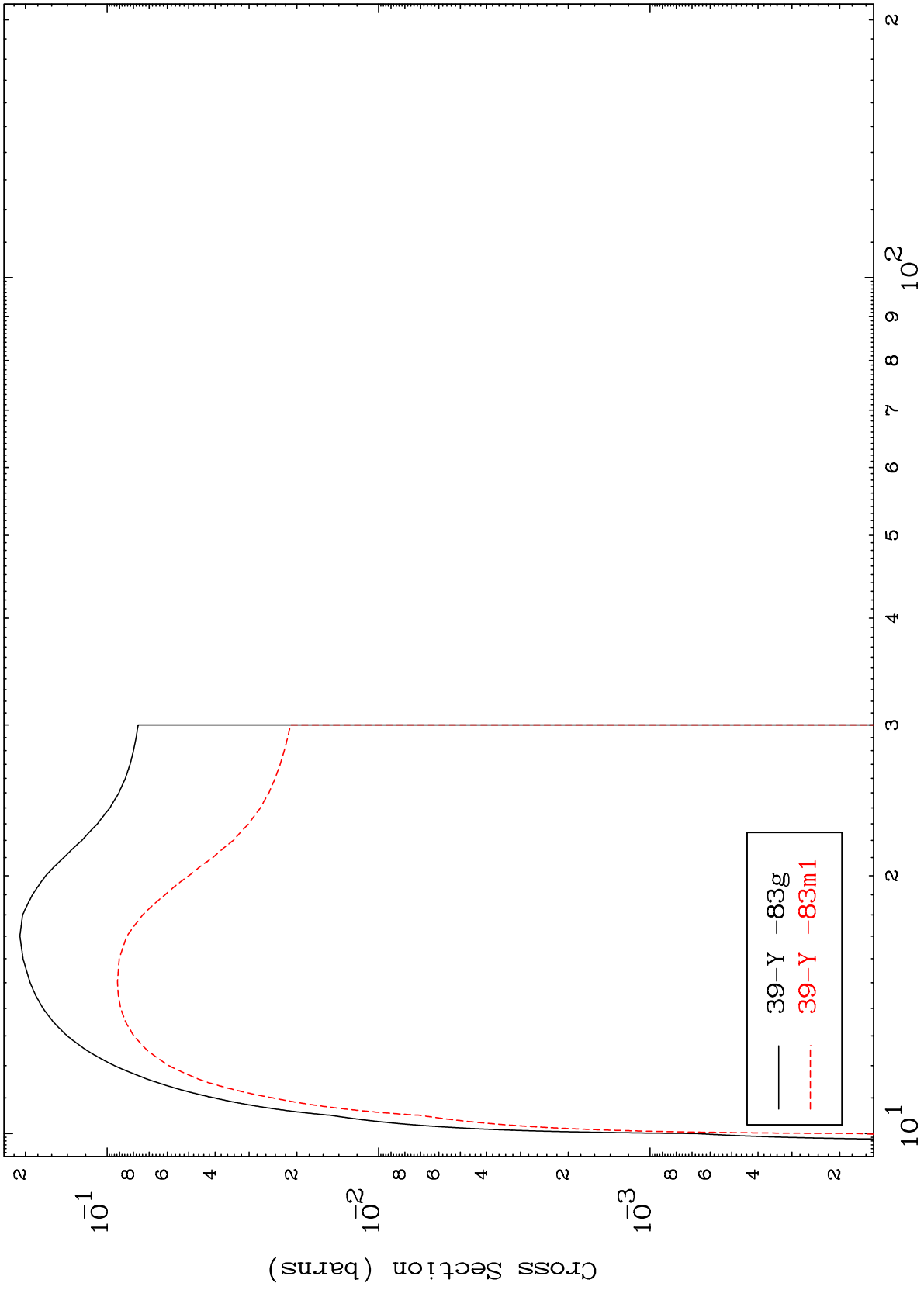
Incident Energy (MeV)

17

MAT 3911

39-Y -84

Radionuclide Production Cross Section
(n,2n)



39-Y -84

Incident Energy (MeV)

18

10²

10¹

10⁻¹

10⁻²

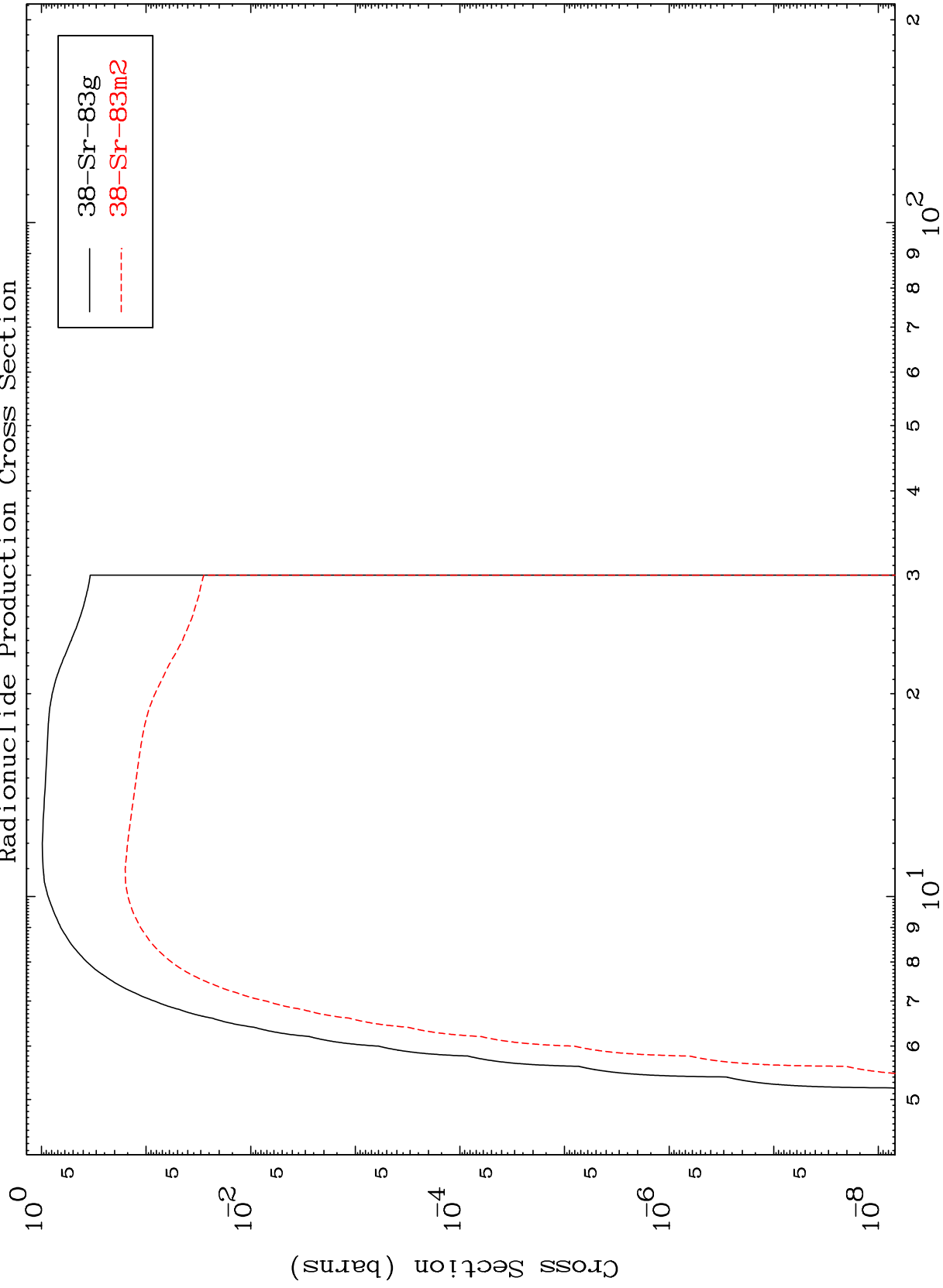
10⁻³

MAT 3911

(n,n') p

39-Y -84

Radionuclide Production Cross Section



19

Incident Energy (MeV)

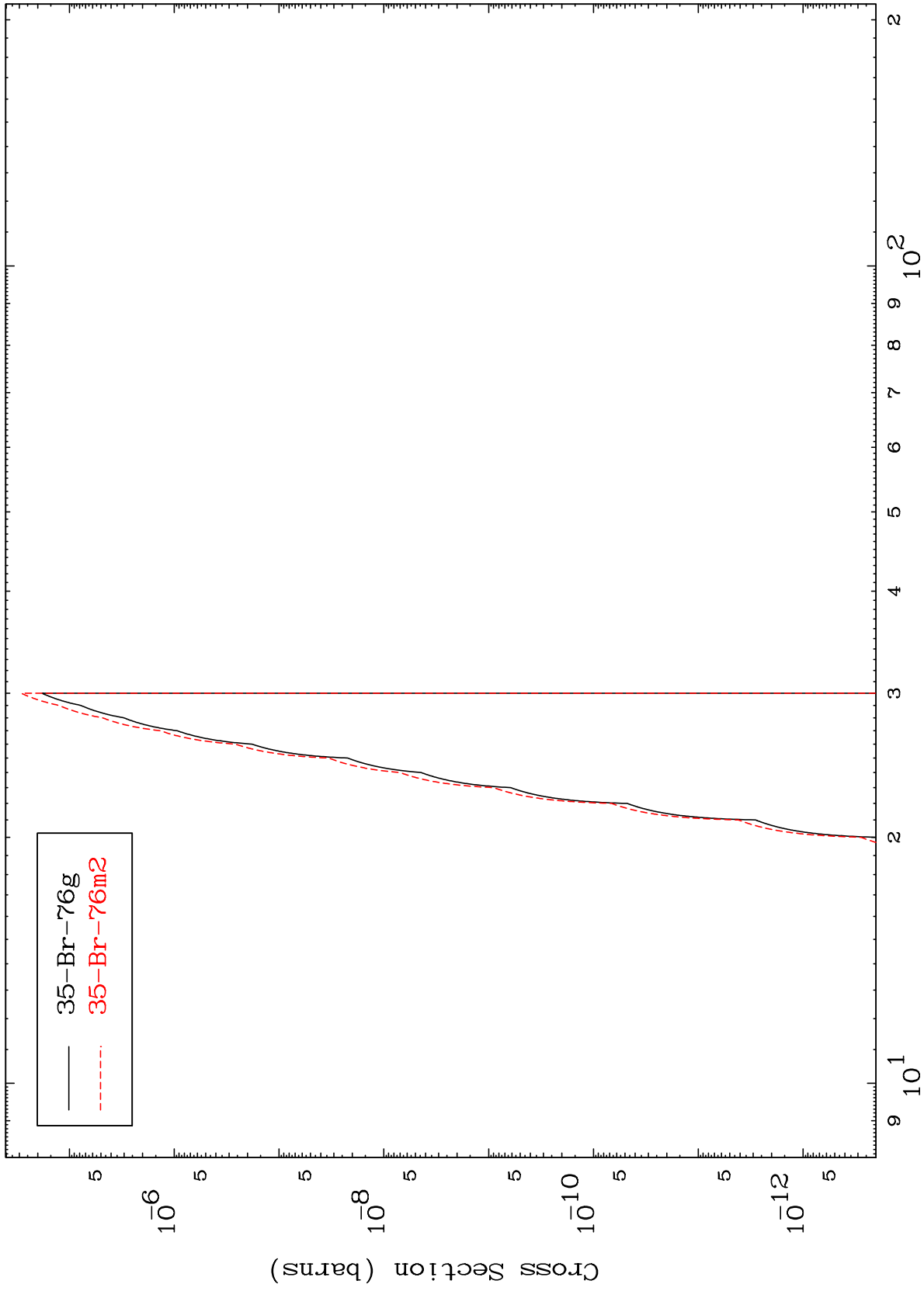
39-Y -84

MAT 3911

(n,n') 2 α

39-Y -84

Radionuclide Production Cross Section



— 35-Br-76g
- - - 35-Br-76m2

20

Incident Energy (MeV)

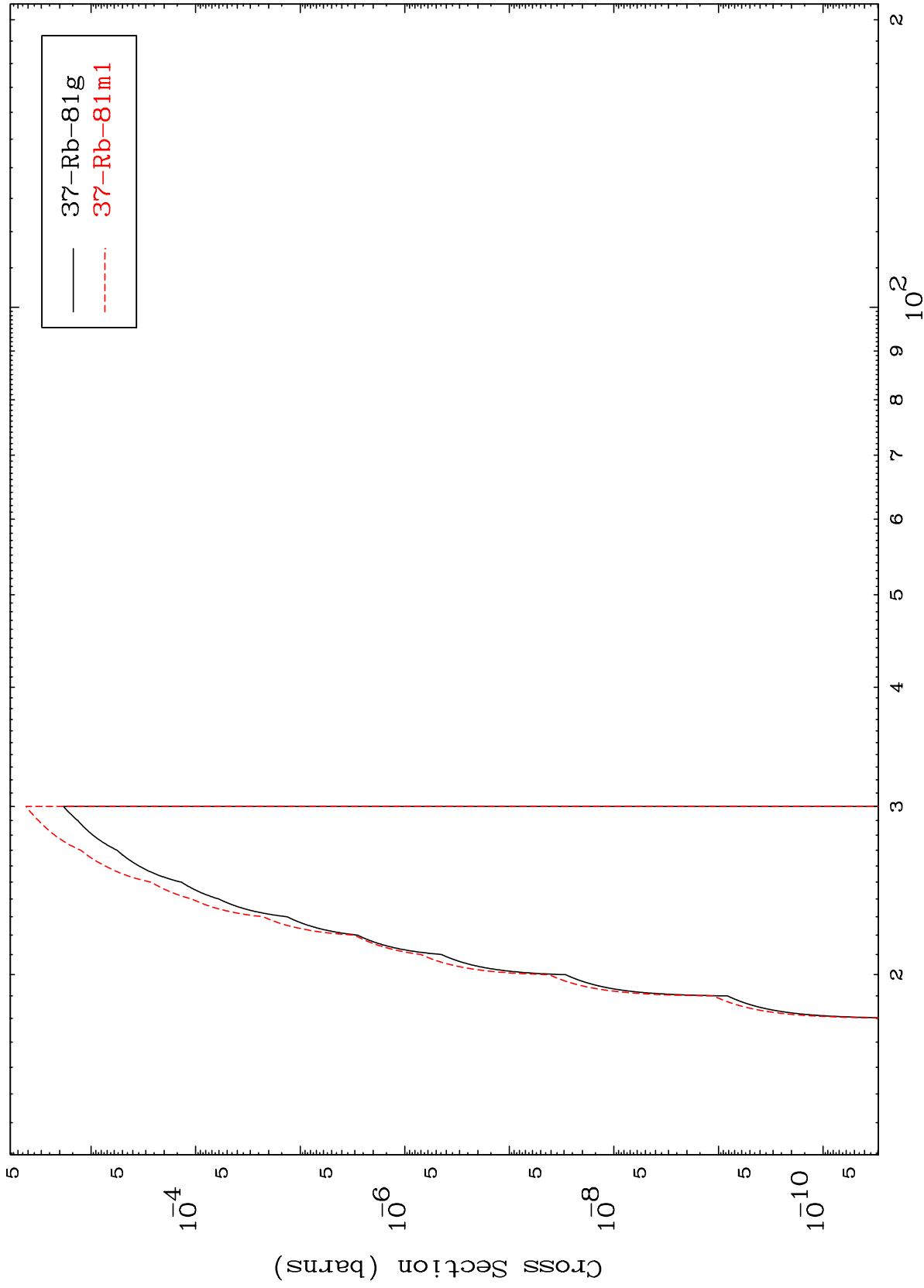
39-Y -84

MAT 3911

(n, n') He-3

39-Y -84

Radionuclide Production Cross Section



21

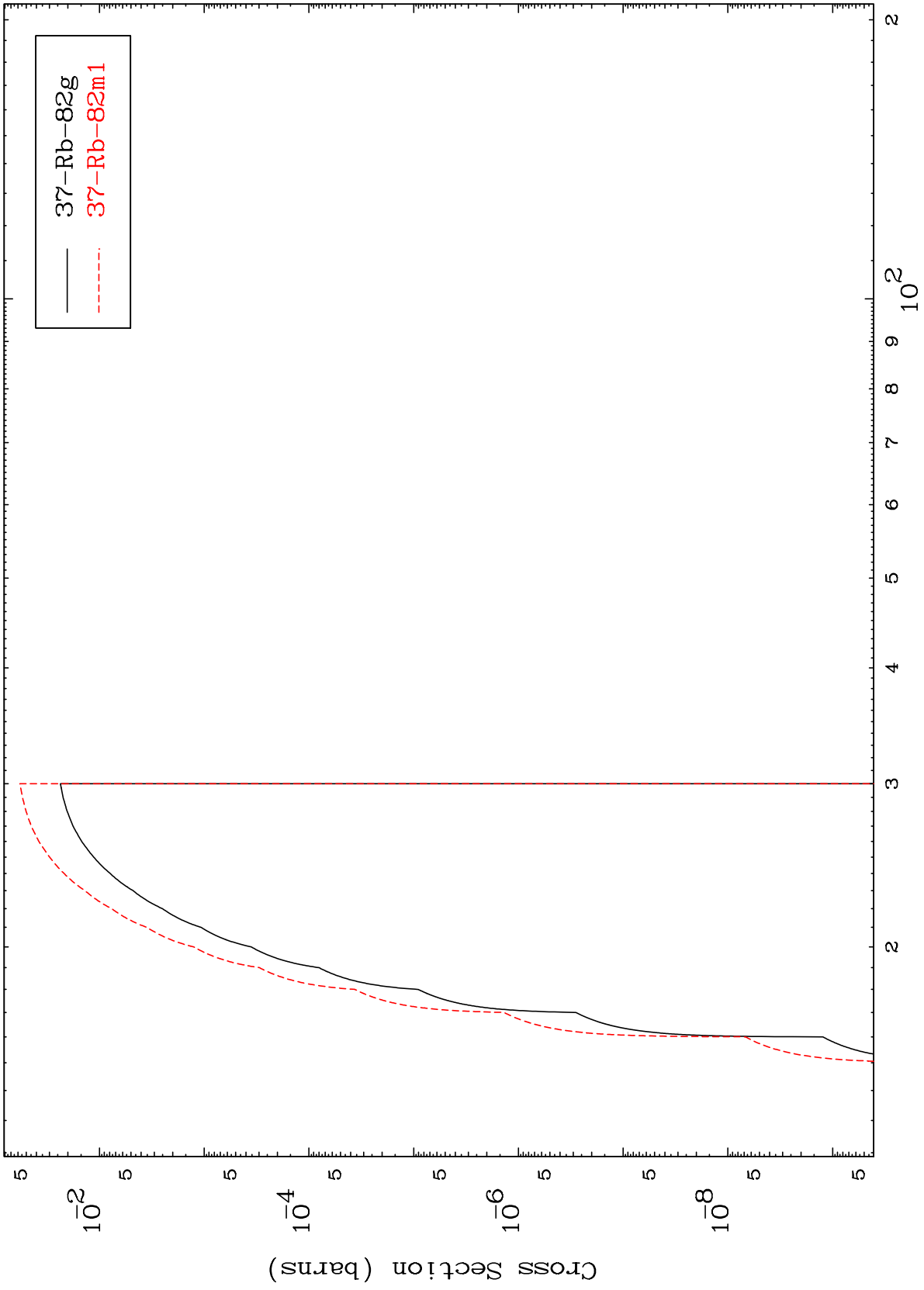
Incident Energy (MeV)

39-Y -84

MAT 3911

39-Y -84

(n,2n) p
Radionuclide Production Cross Section



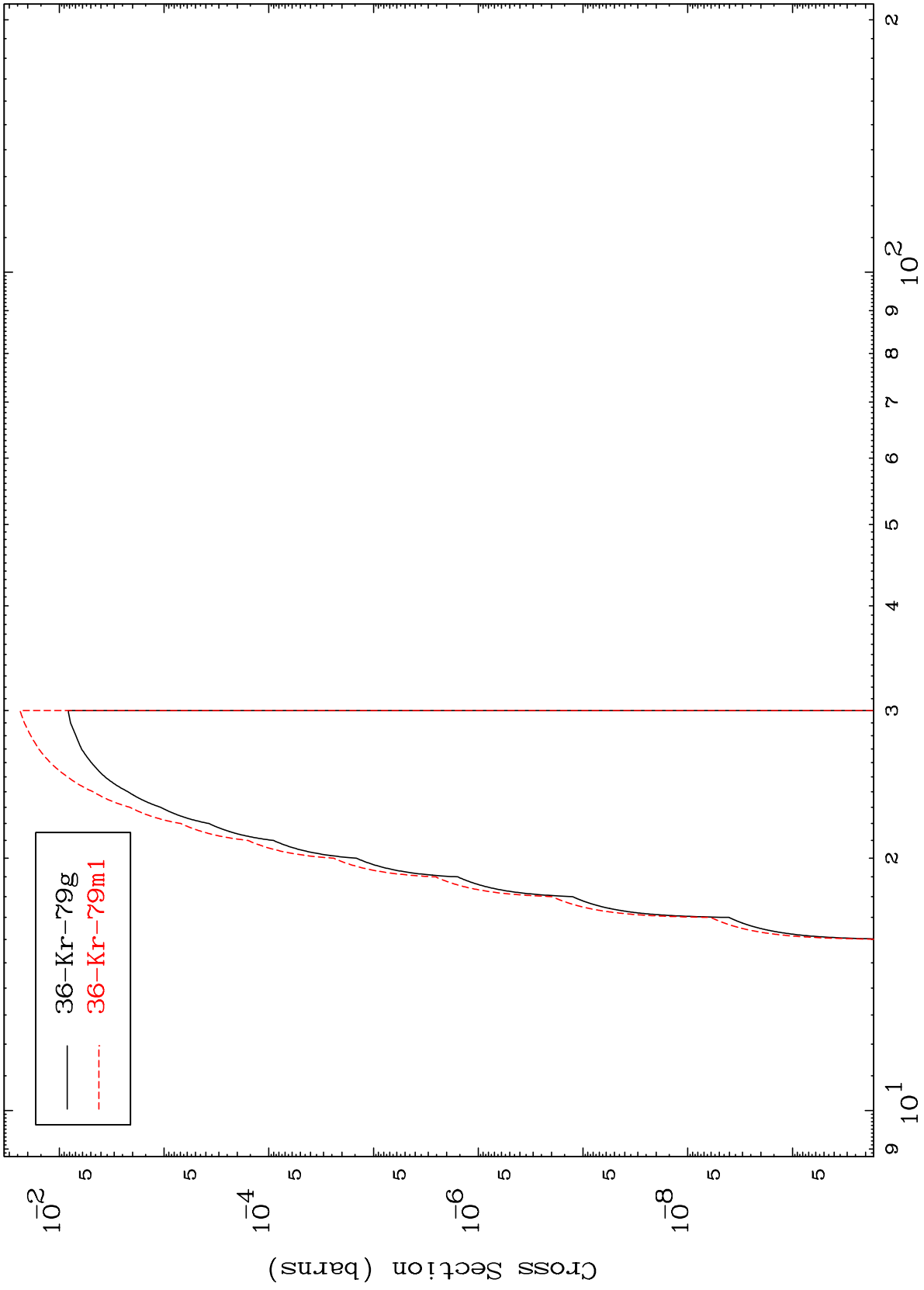
22

39-Y -84

MAT 3911

39-Y -84

(n,n') p α
Radionuclide Production Cross Section



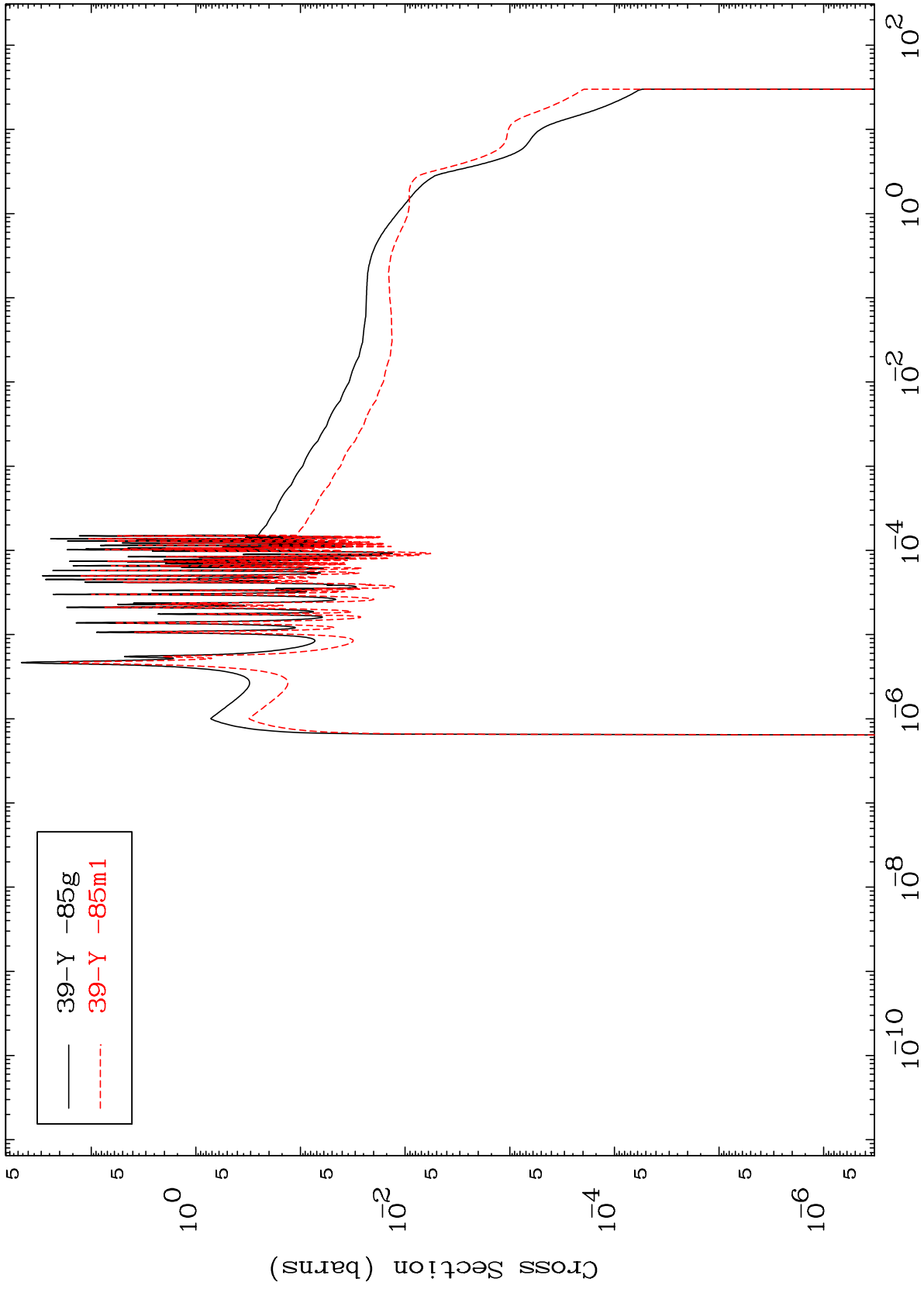
23

39-Y -84

MAT 3911

39-Y -84

Radionuclide Production Cross Section



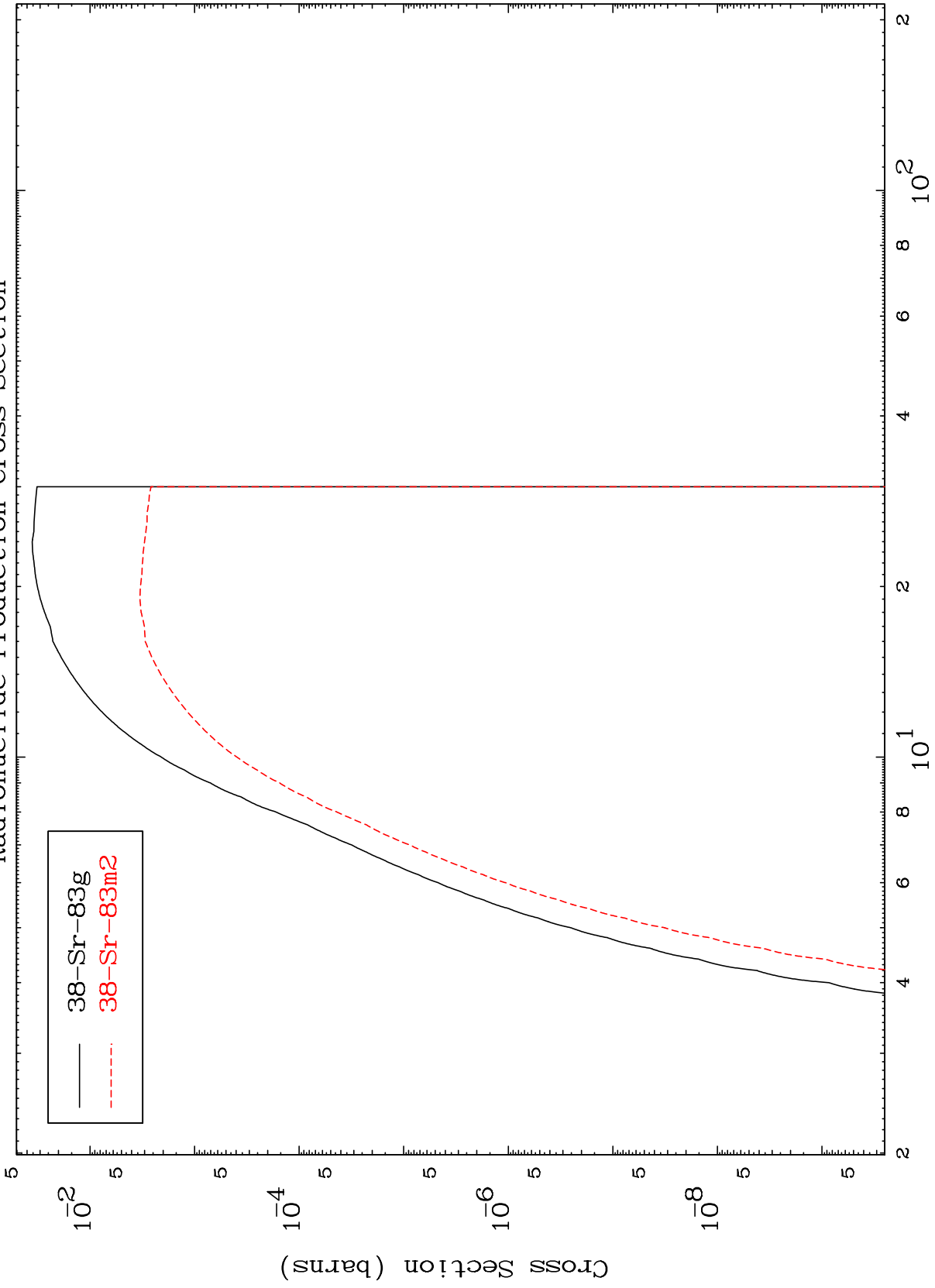
24

39-Y -84

MAT 3911

39-Y -84

(n,d)
Radionuclide Production Cross Section



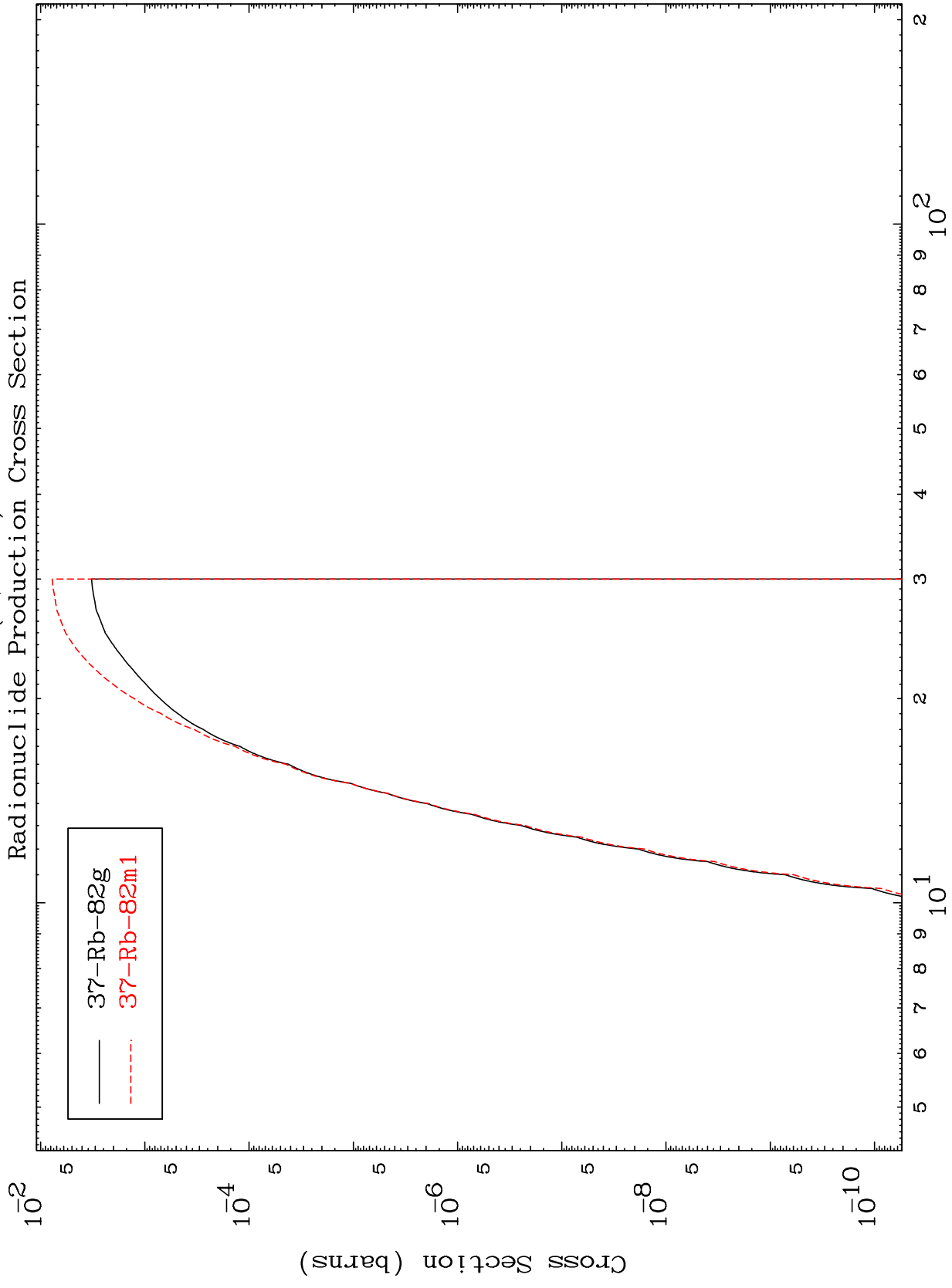
25

39-Y -84

MAT 3911

(n, He-3)

39-Y -84



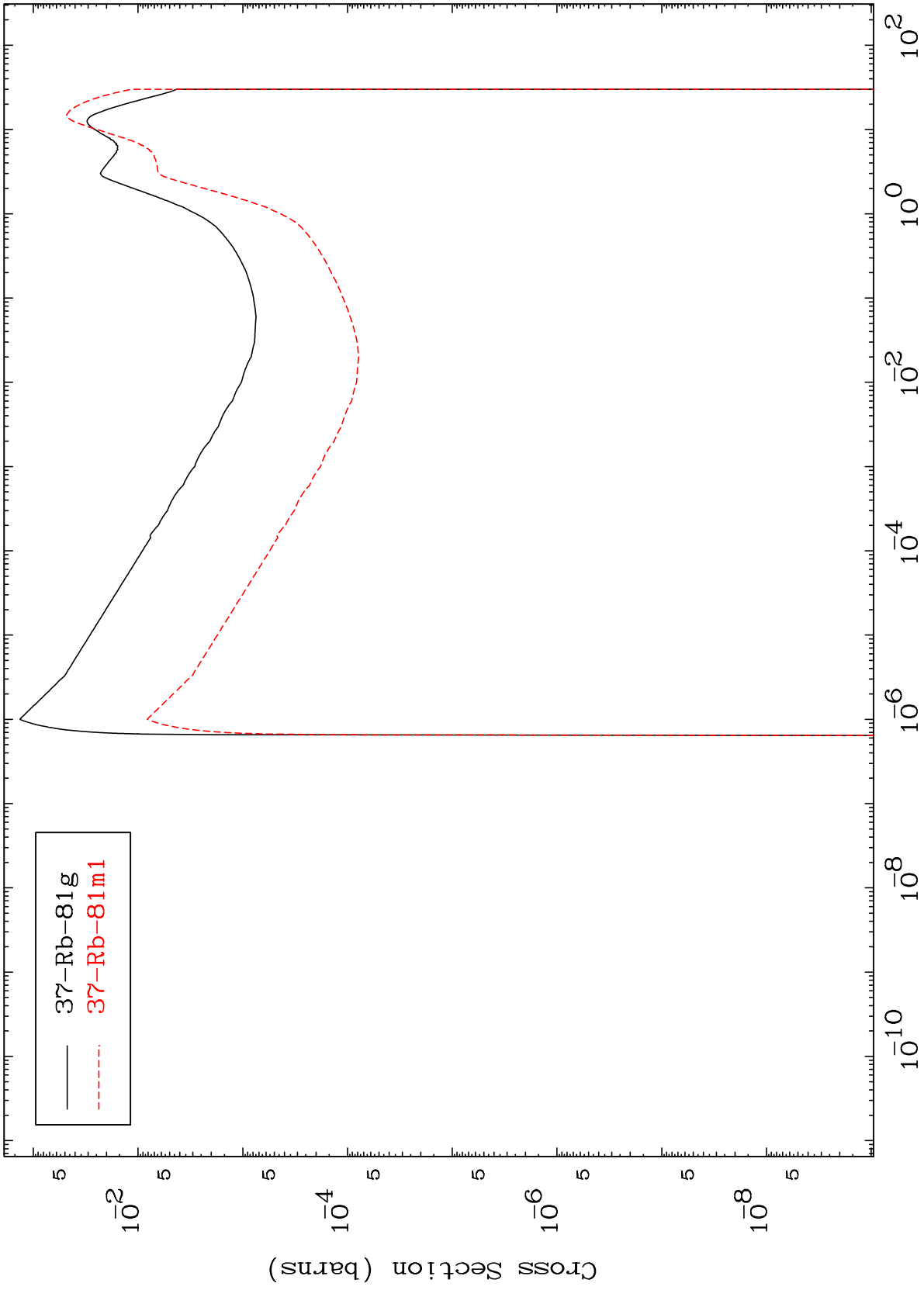
26

39-Y -84

MAT 3911

39-Y -84

Radionuclide Production Cross Section
(n,α)



27

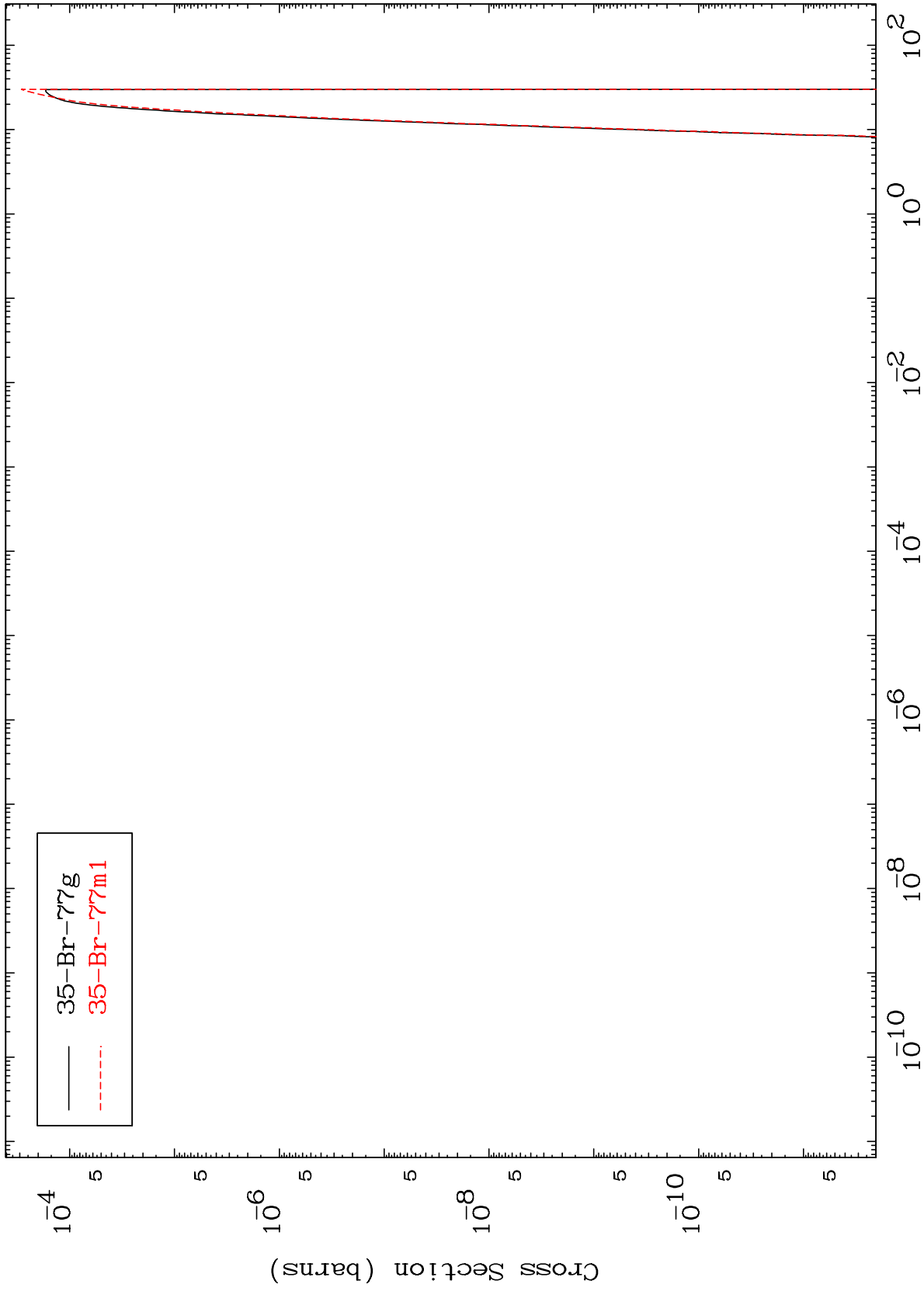
39-Y -84

MAT 3911

(n,2α)

39-Y -84

Radionuclide Production Cross Section



28

Incident Energy (MeV)

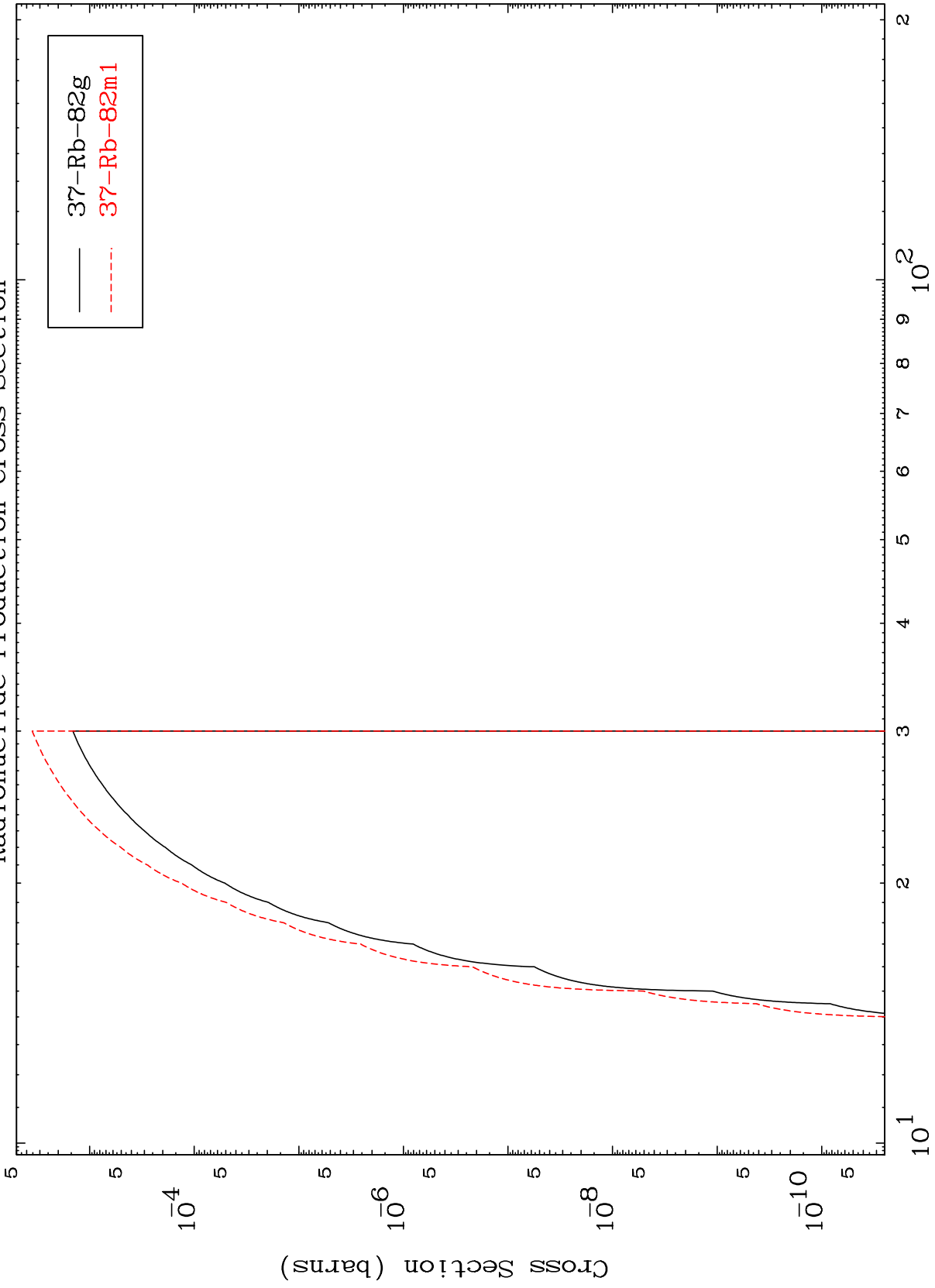
39-Y -84

MAT 3911

(n,p) d

39-Y -84

Radionuclide Production Cross Section



29

Incident Energy (MeV)

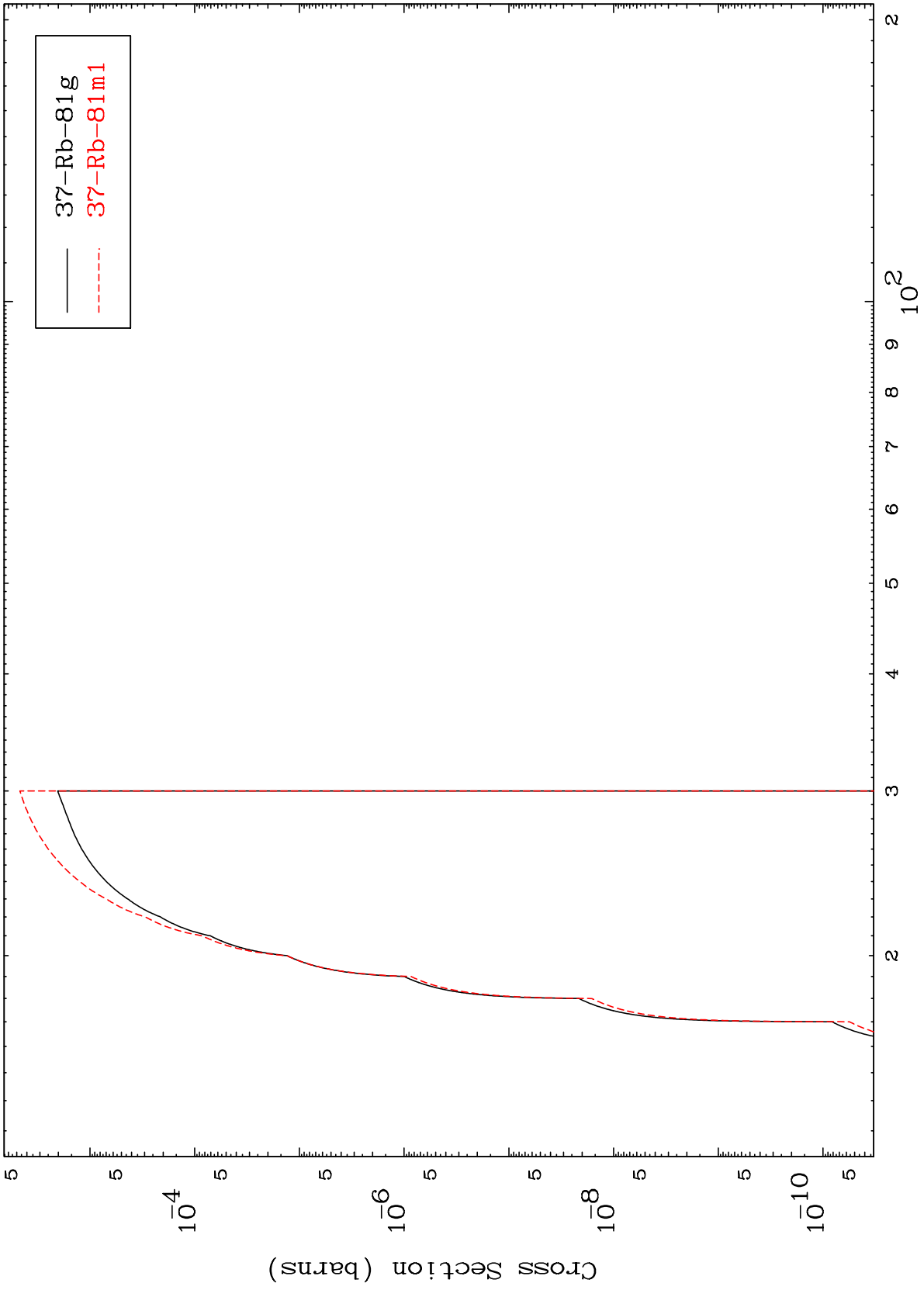
39-Y -84

MAT 3911

(n,p) t

39-Y -84

Radionuclide Production Cross Section



30

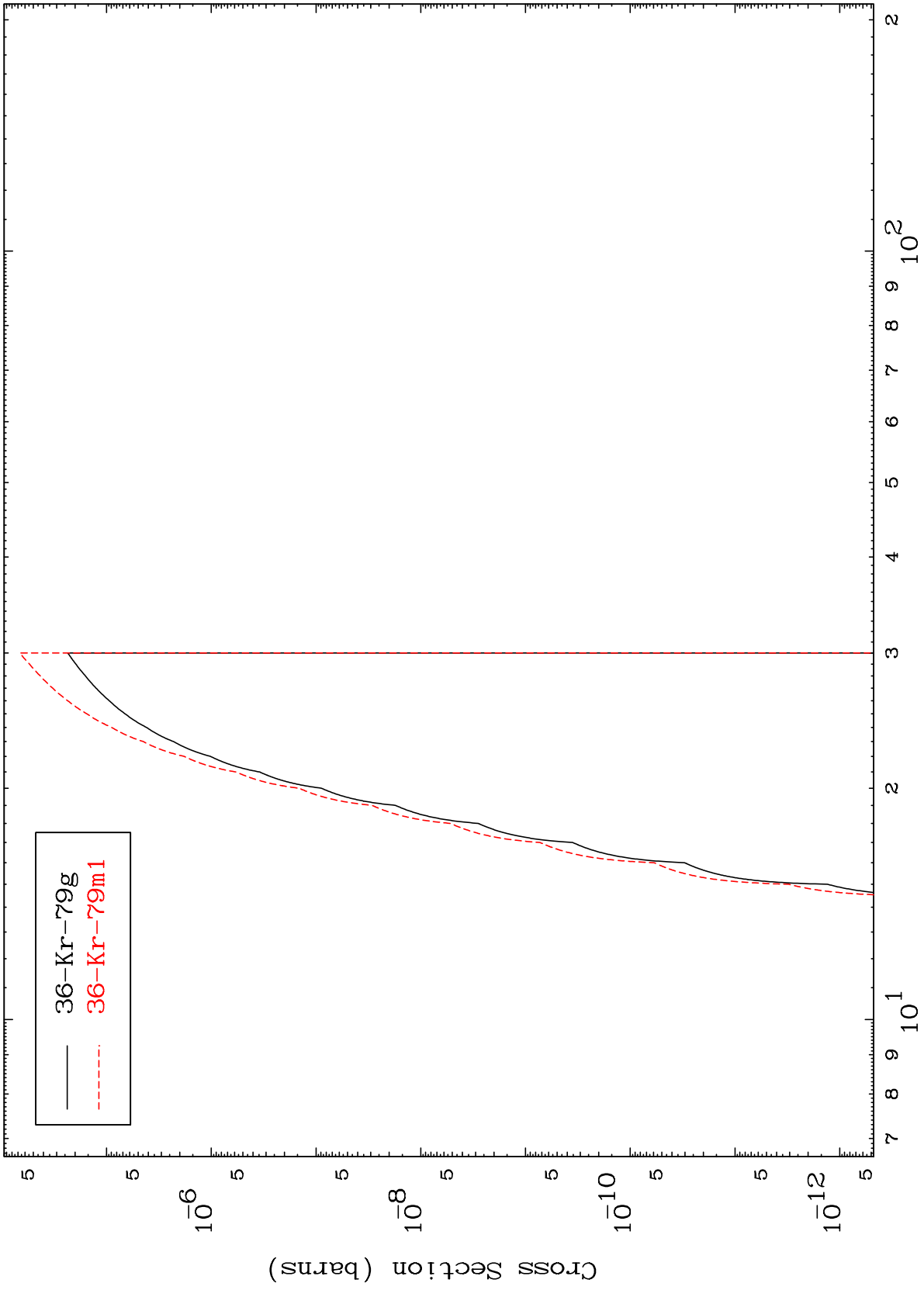
Incident Energy (MeV)

39-Y -84

MAT 3911

39-Y -84

(n,d) α
Radionuclide Production Cross Section



31

39-Y -84