

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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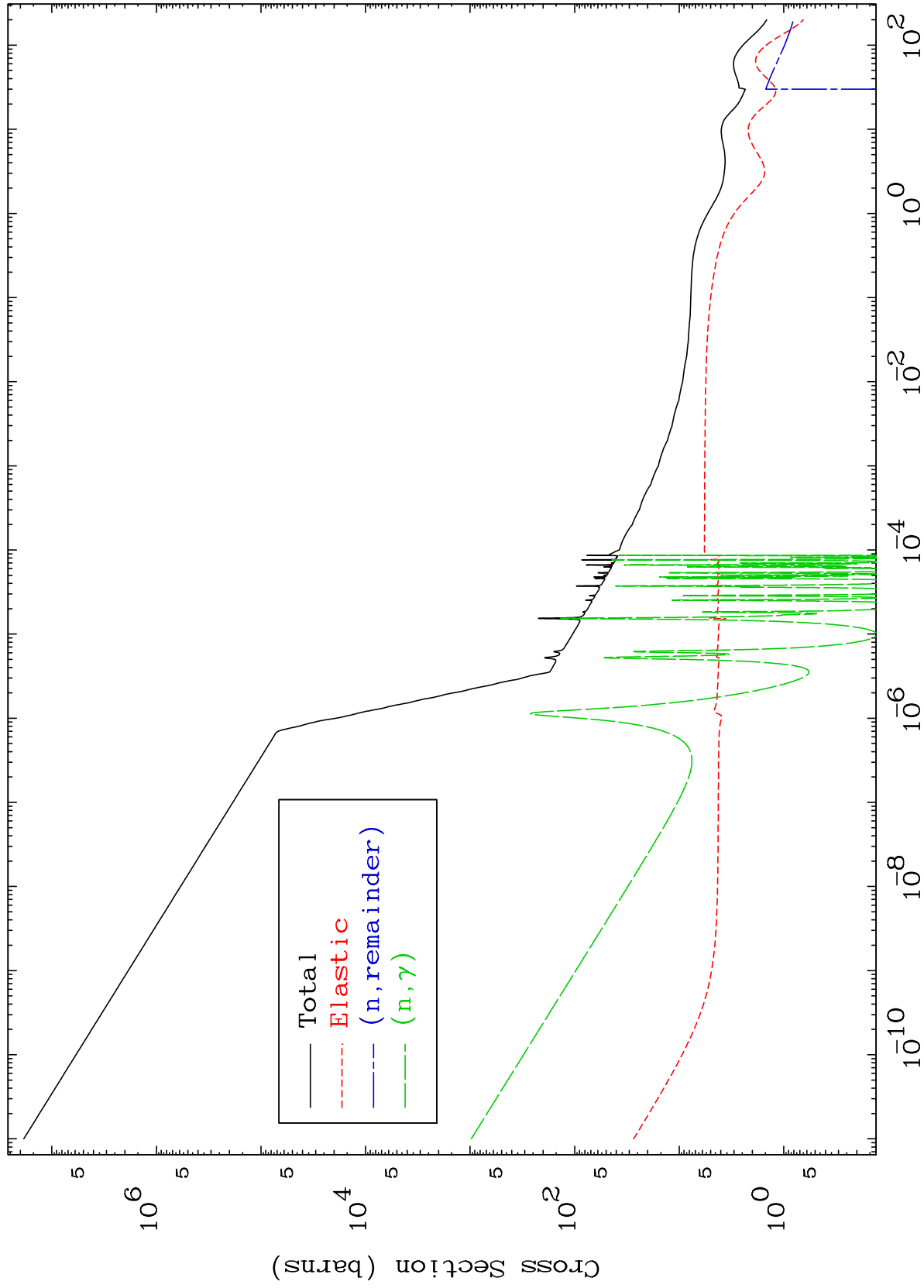
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3899

Major  
293 Kelvin Cross Sections

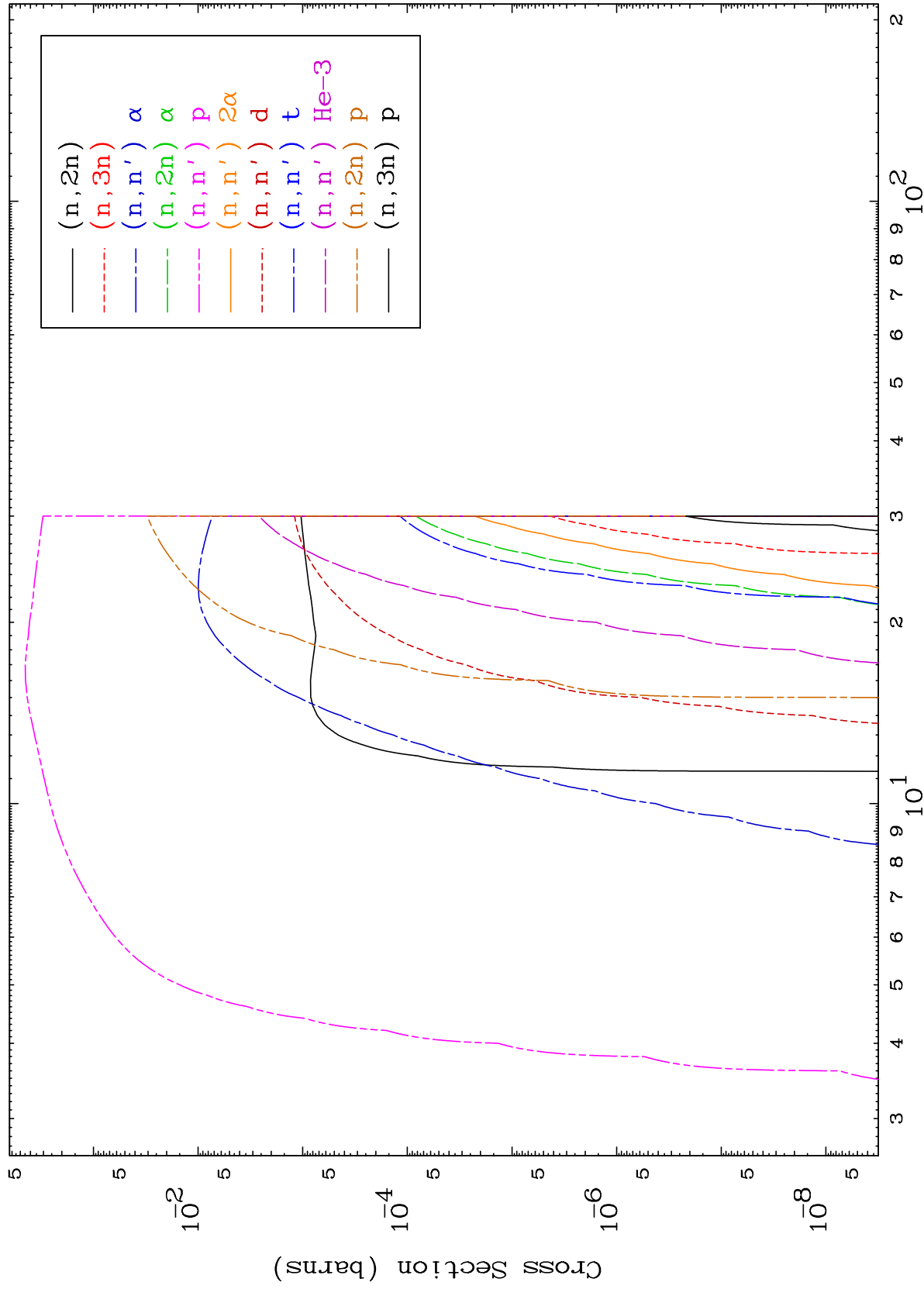
39-Y -80



MAT 3899

### Neutron Production 293 Kelvin Cross Sections

39-Y -80



2

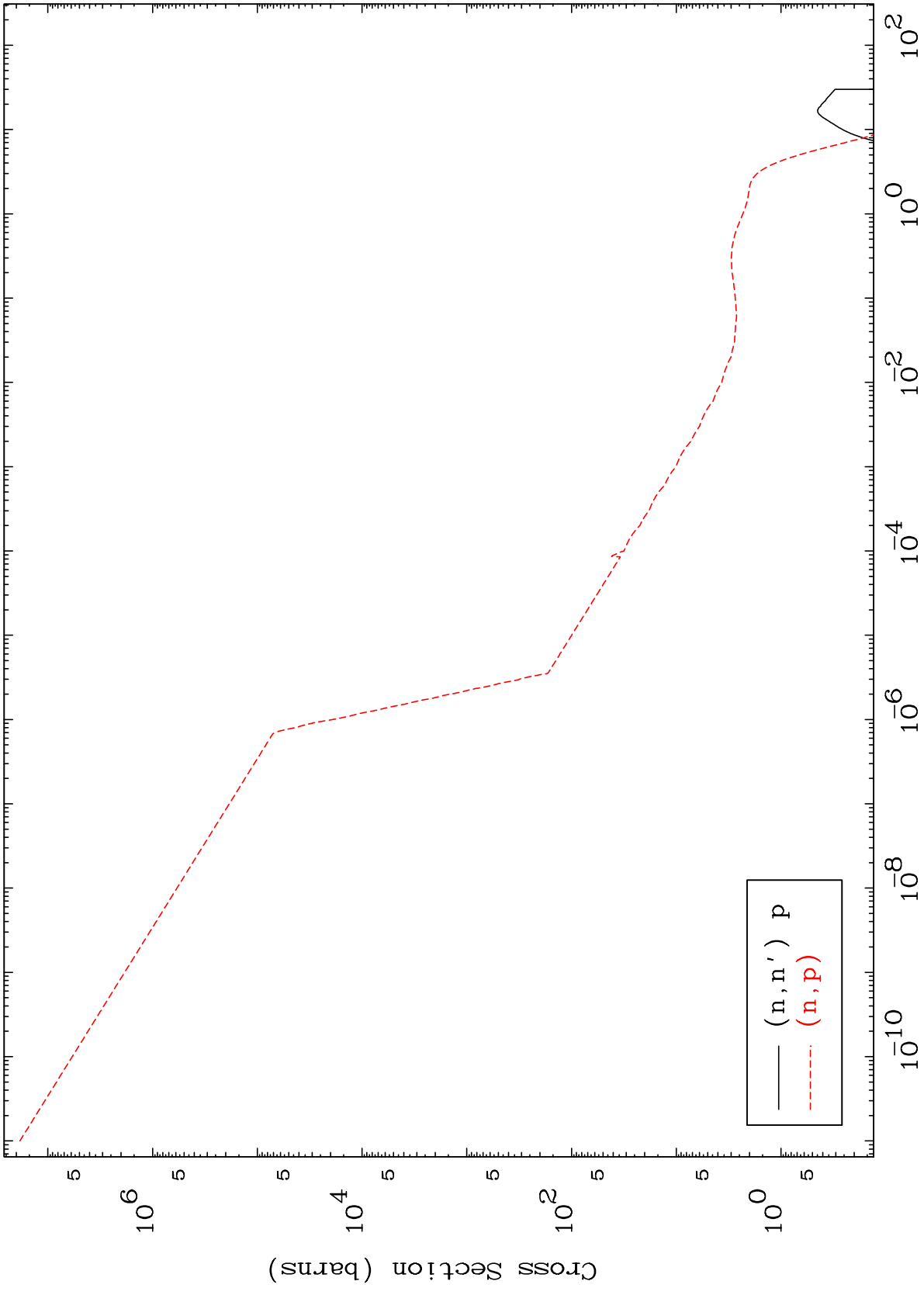
Incident Energy (MeV)

39-Y -80

MAT 3899

Charged Particle  
293 Kelvin Cross Sections

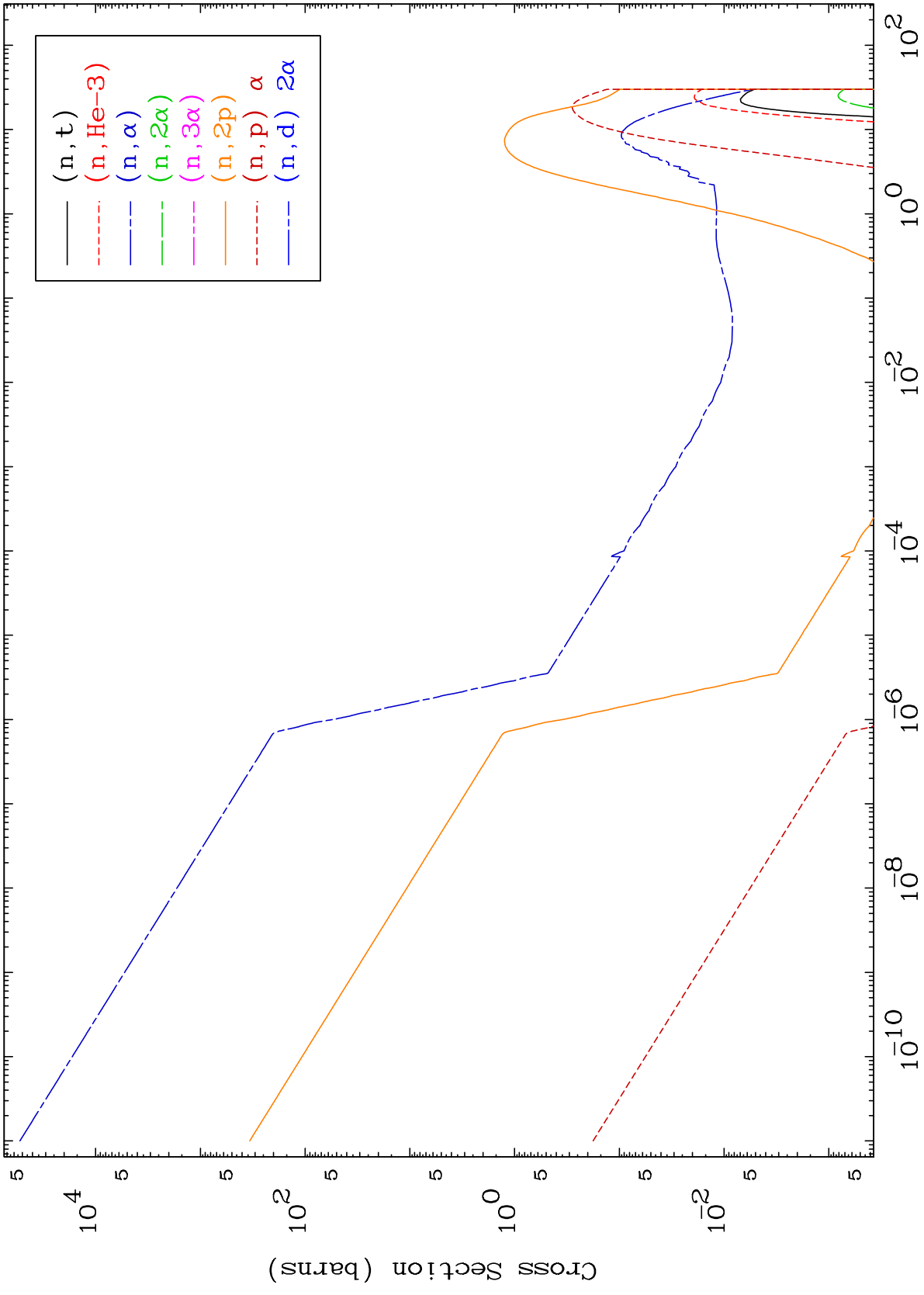
39-Y -80



MAT 3899

Charged Particle  
293 Kelvin Cross Sections

39-Y -80



4

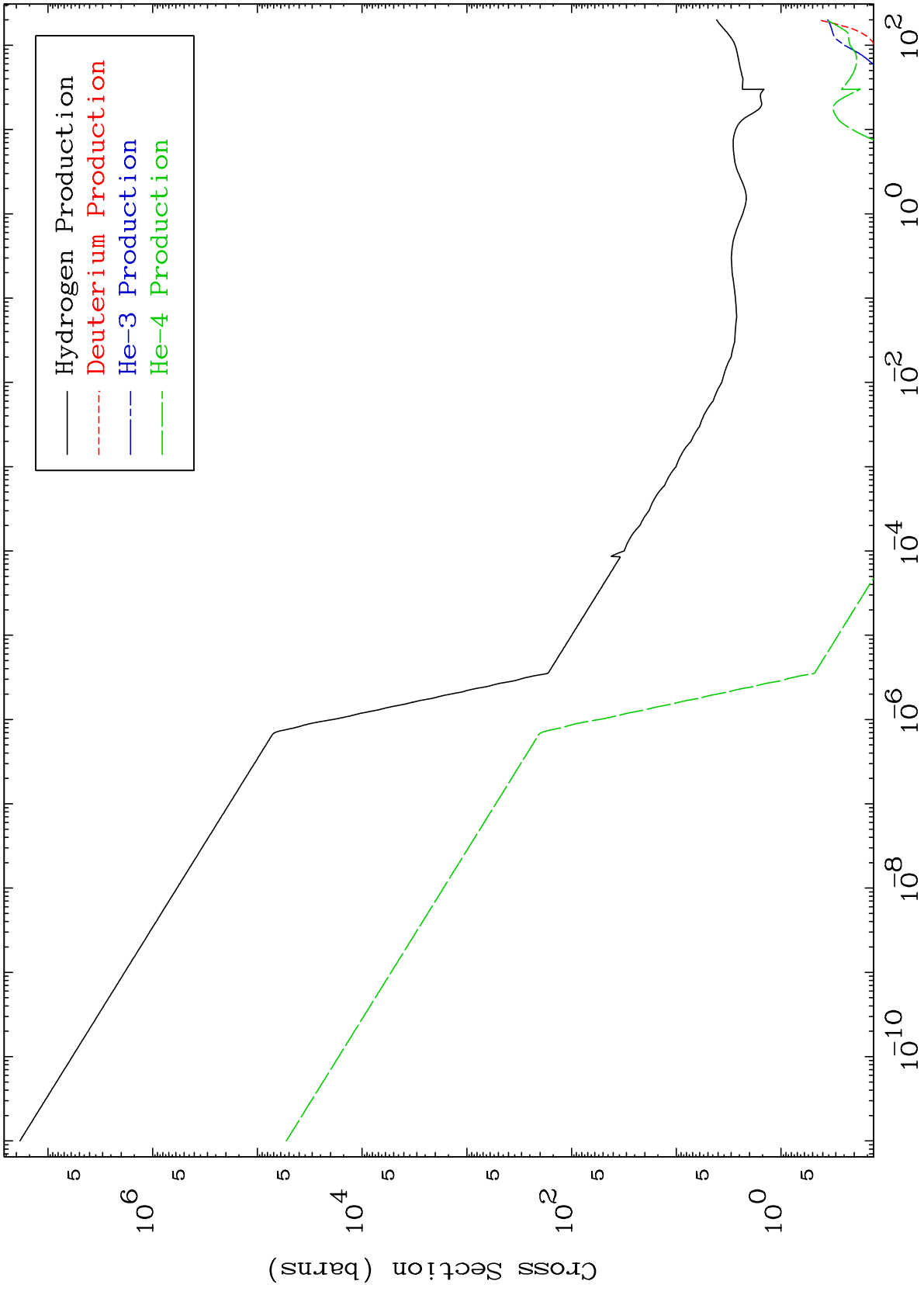
Incident Energy (MeV)

39-Y -80

MAT 3899

Particle Production  
293 Kelvin Cross Sections

39-Y -80



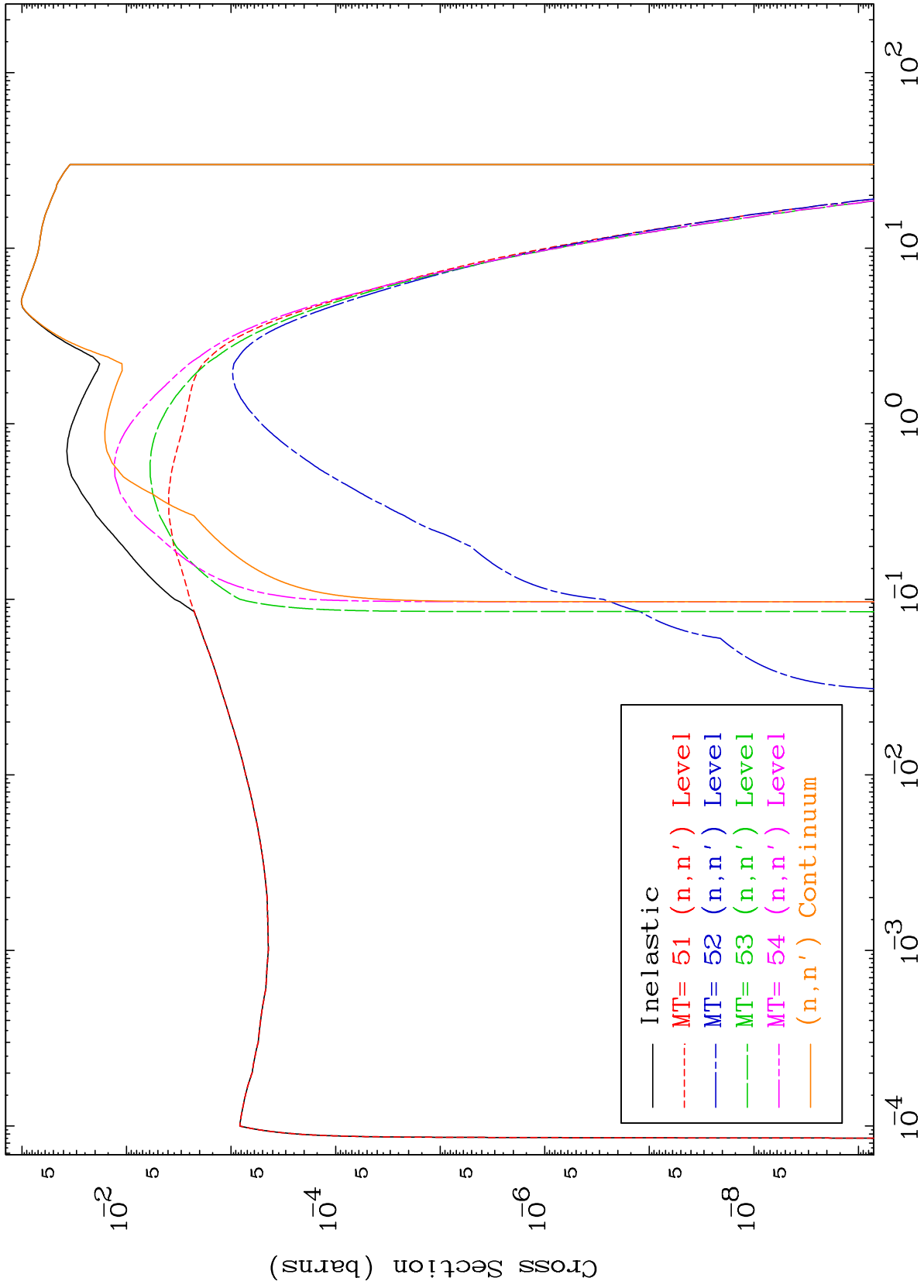
5

39-Y -80

MAT 3899

(n,n') Level  
293 Kelvin Cross Sections

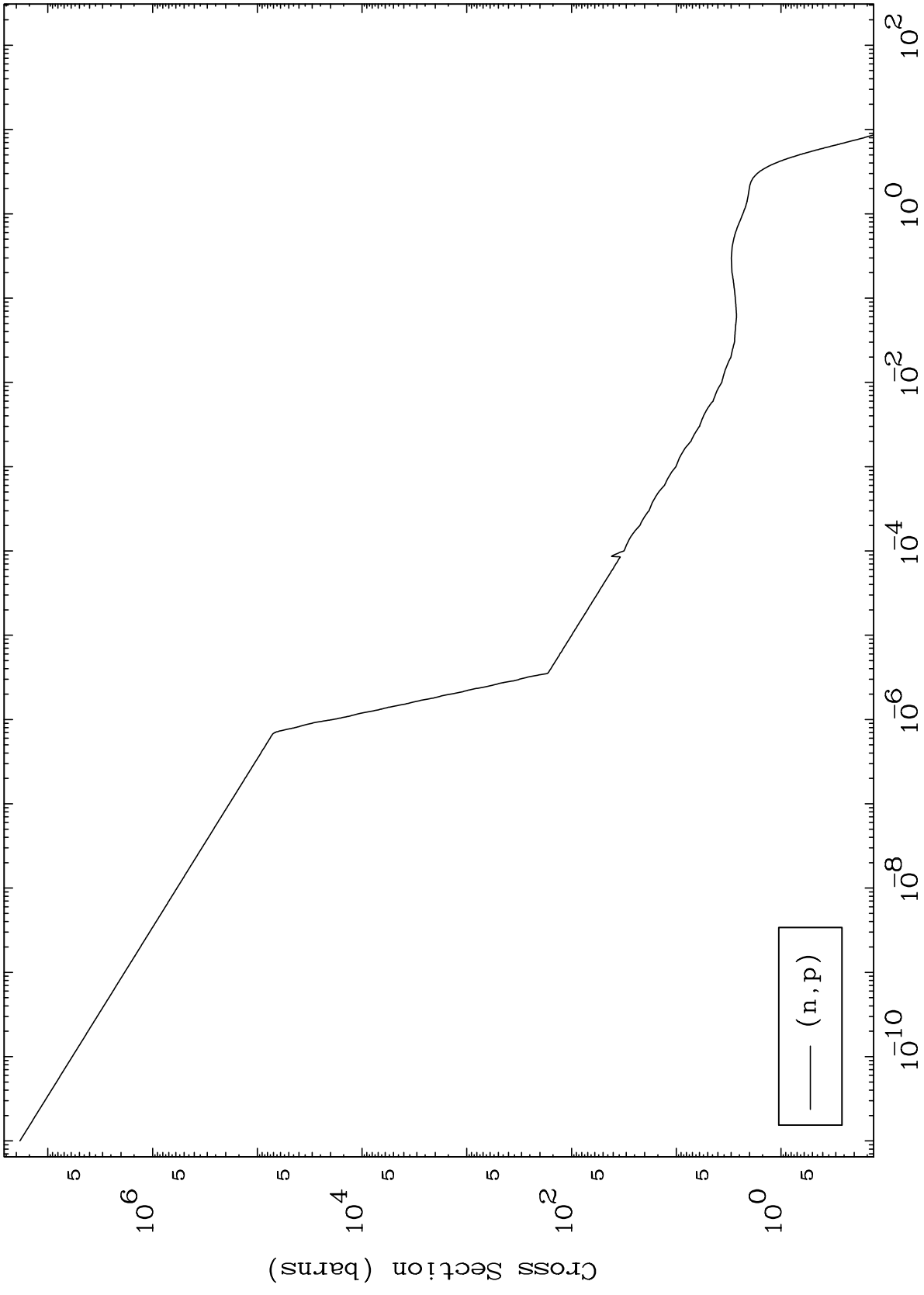
39-Y -80



MAT 3899

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -80



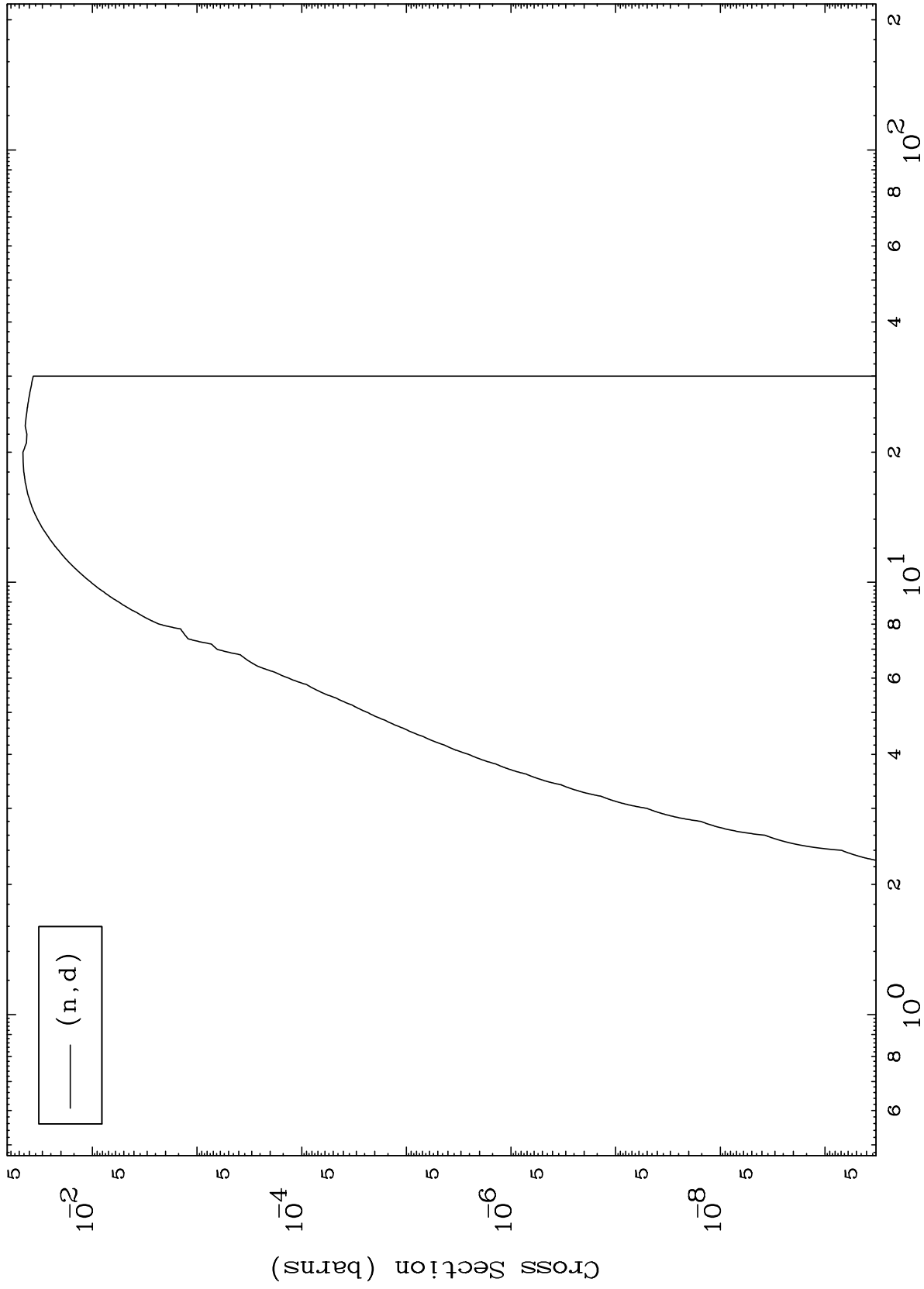
— (n,p)



MAT 3899

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -80



8

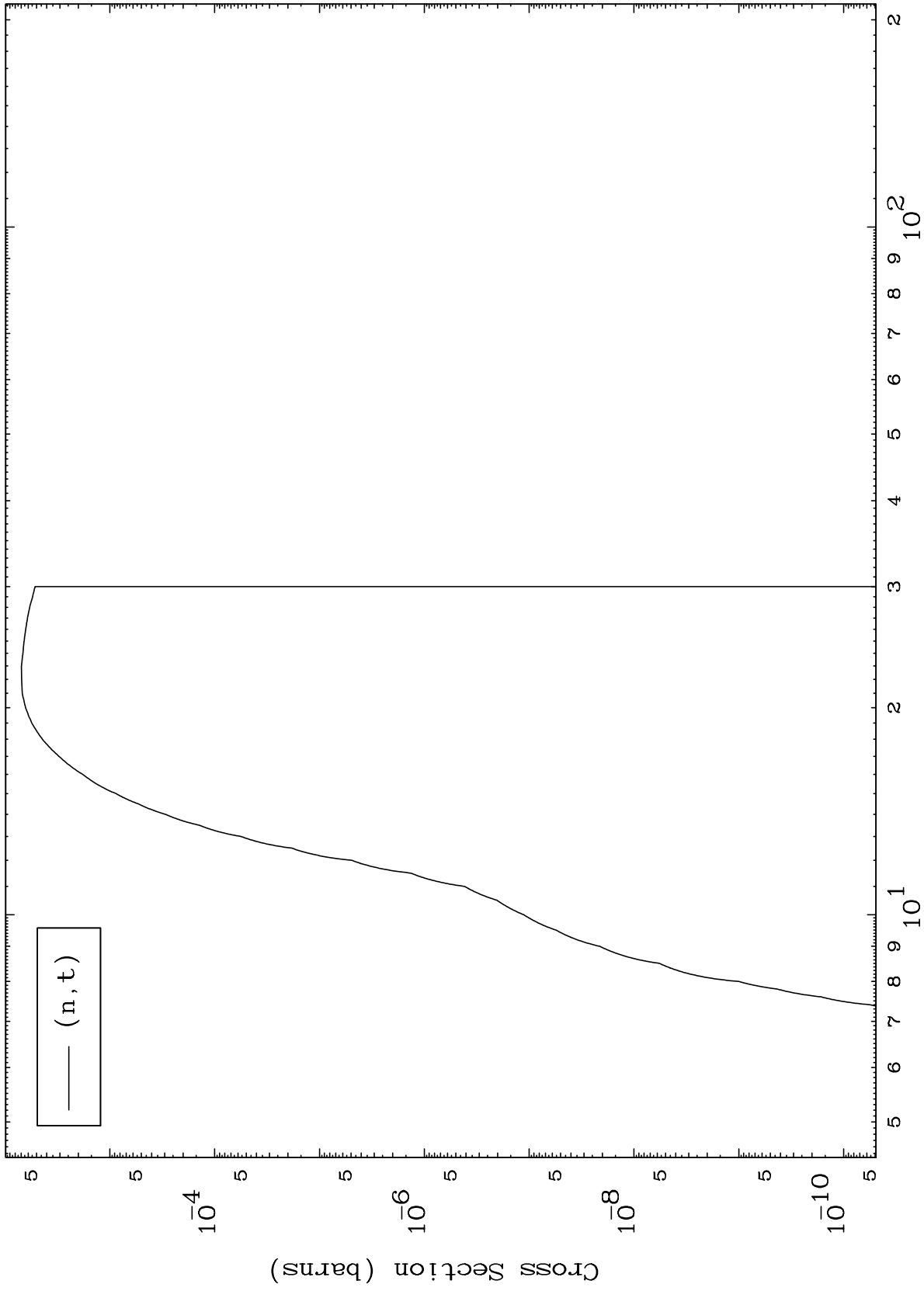
Incident Energy (MeV)

39-Y -80

MAT 3899

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -80



(n,t)

9

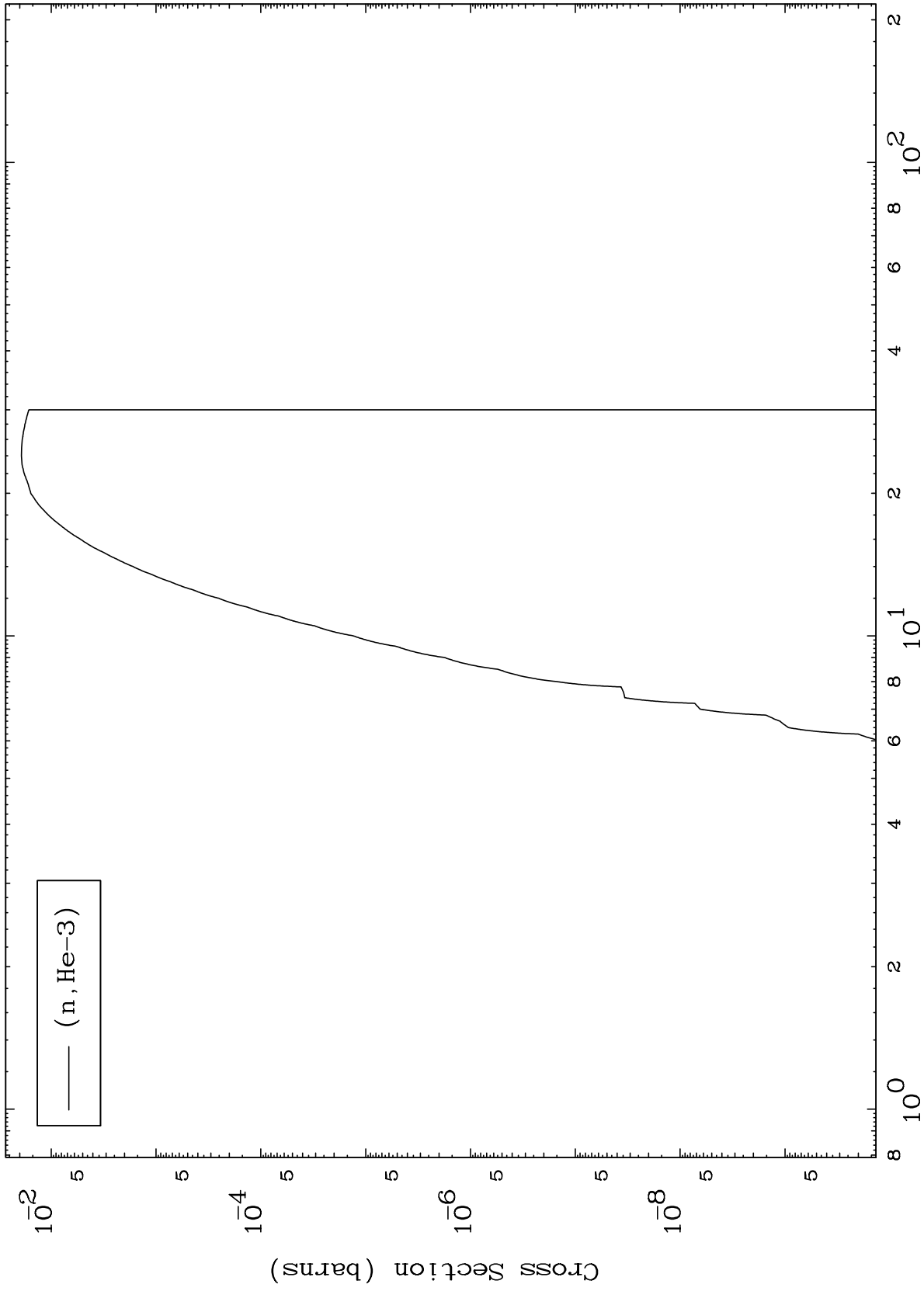
Incident Energy (MeV)

39-Y -80

MAT 3899

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -80



10

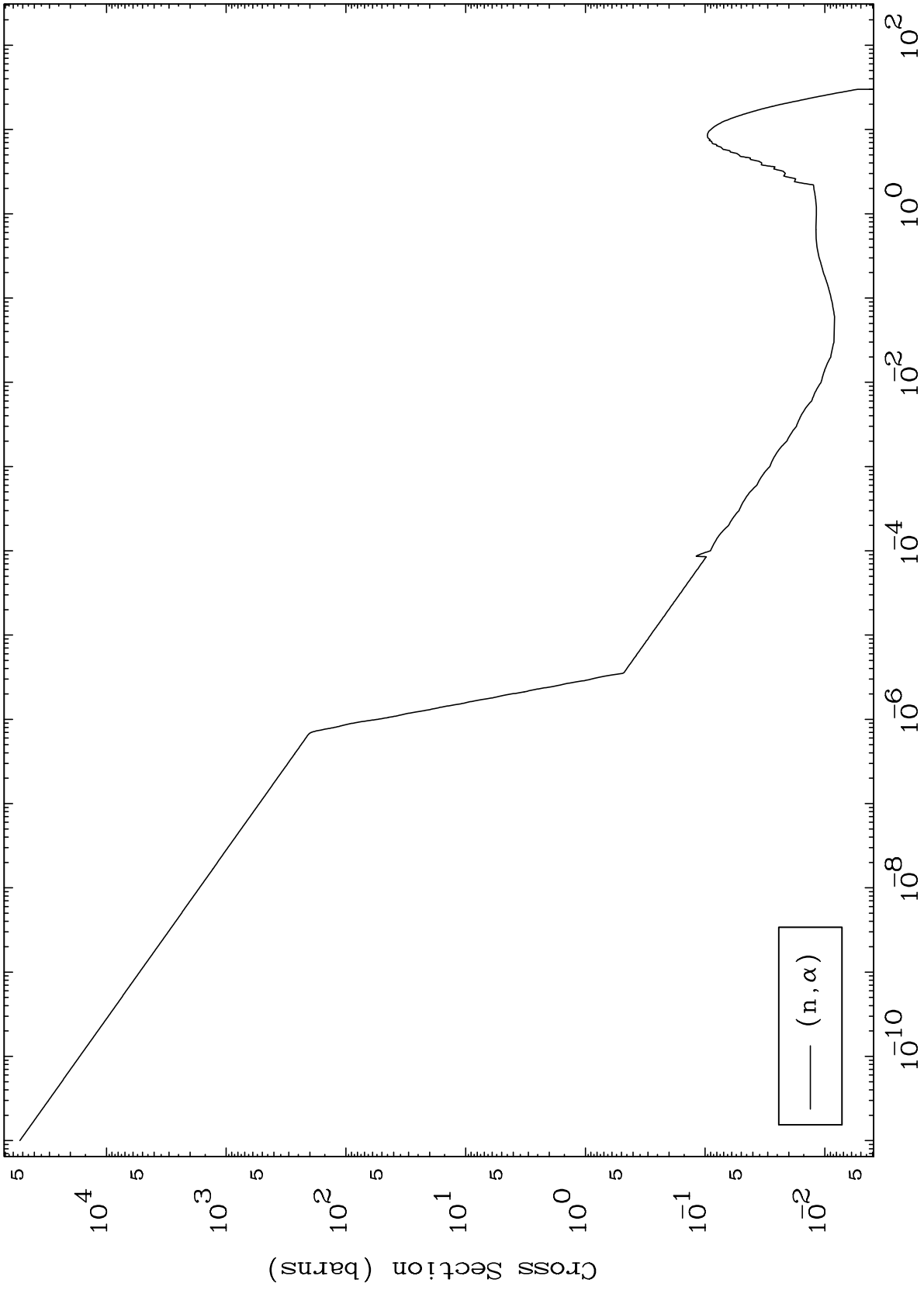
Incident Energy (MeV)

39-Y -80

MAT 3899

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

39-Y -80



11

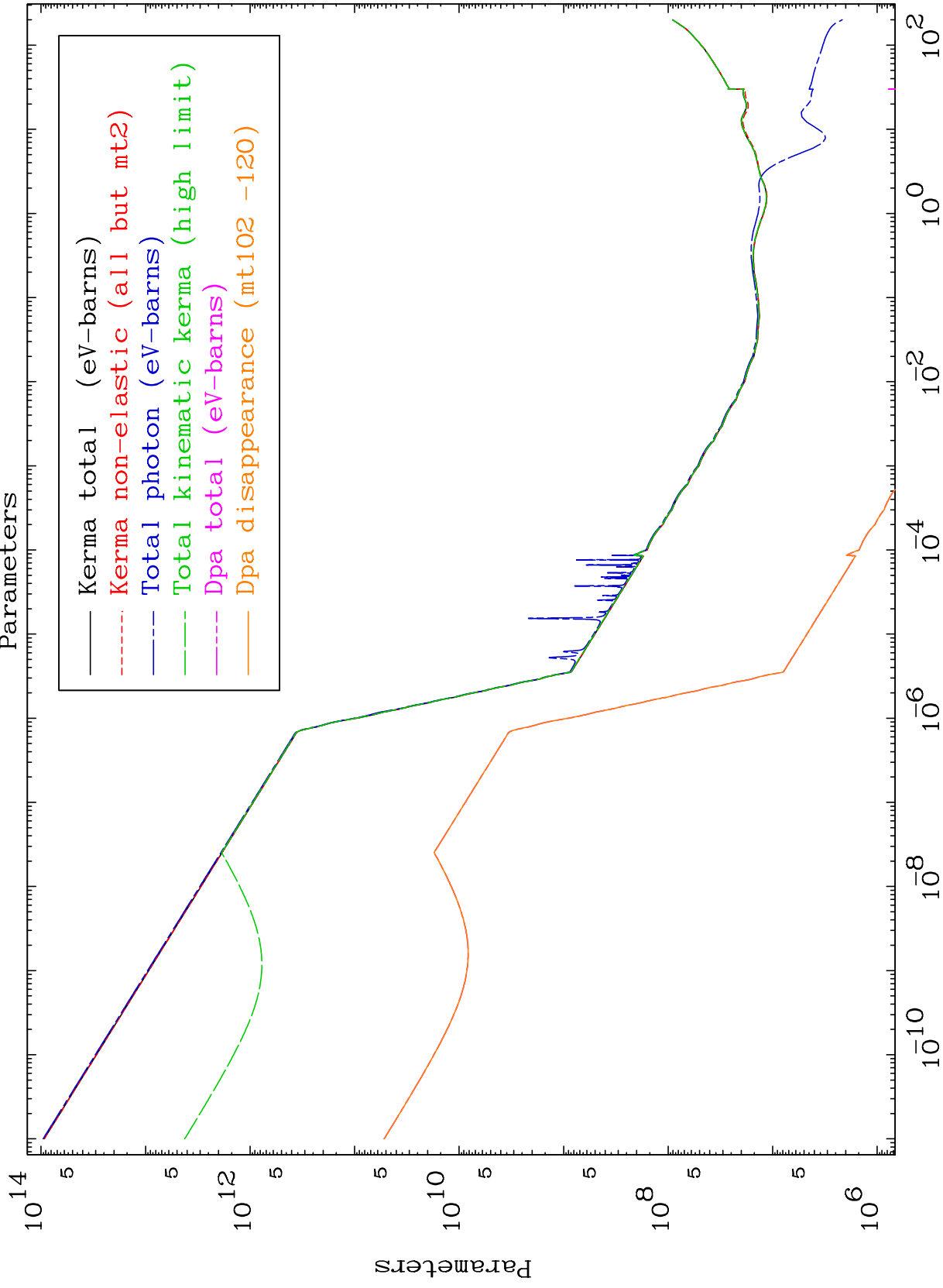
Incident Energy (MeV)

39-Y -80

MAT 3899

Energy Release  
Parameters

39-Y -80



12

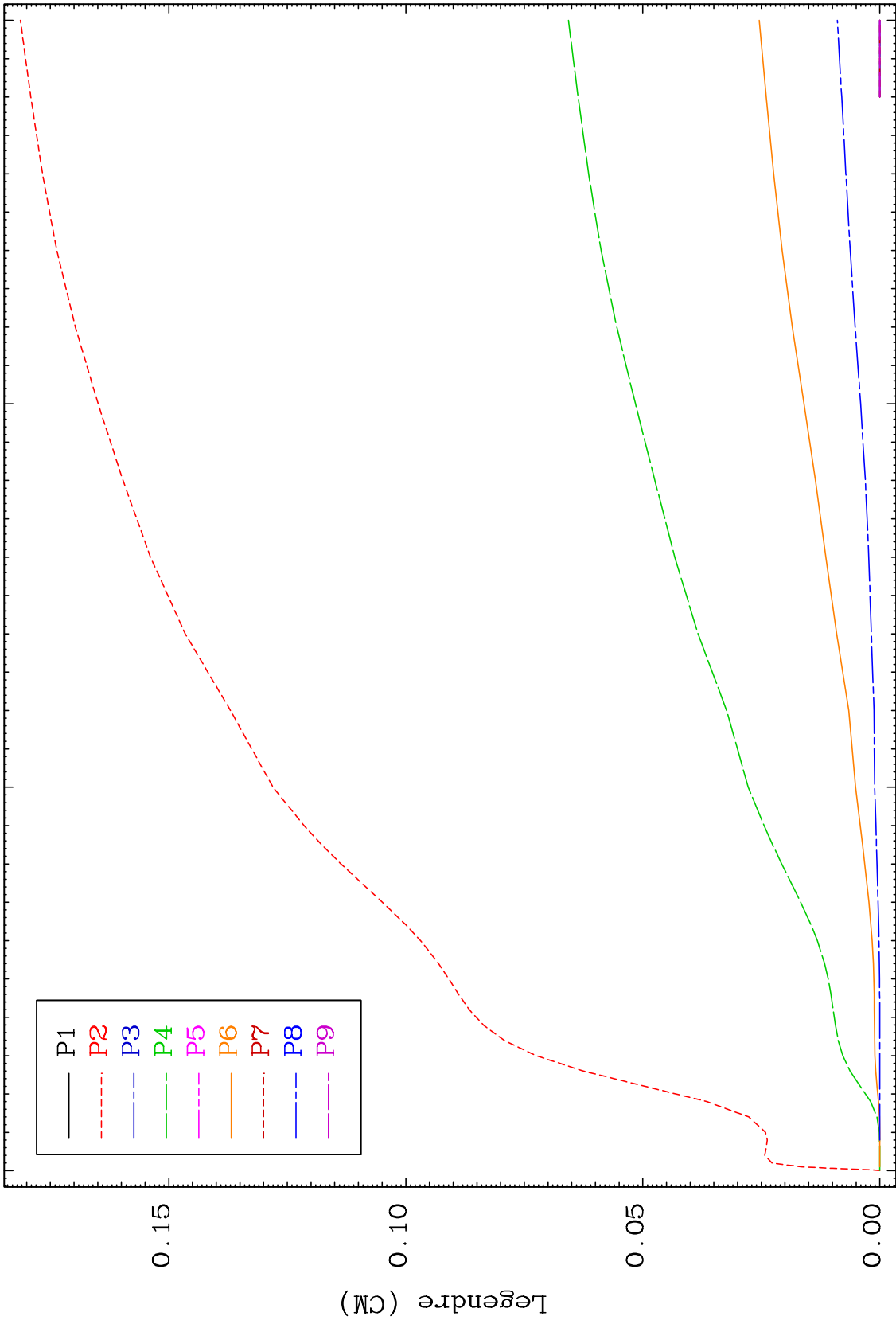
Incident Energy (MeV)

39-Y -80

MAT 3899

Elastic Legendre Coefficients

39-Y -80



0

0.00

10

20

30

Incident Energy (MeV)

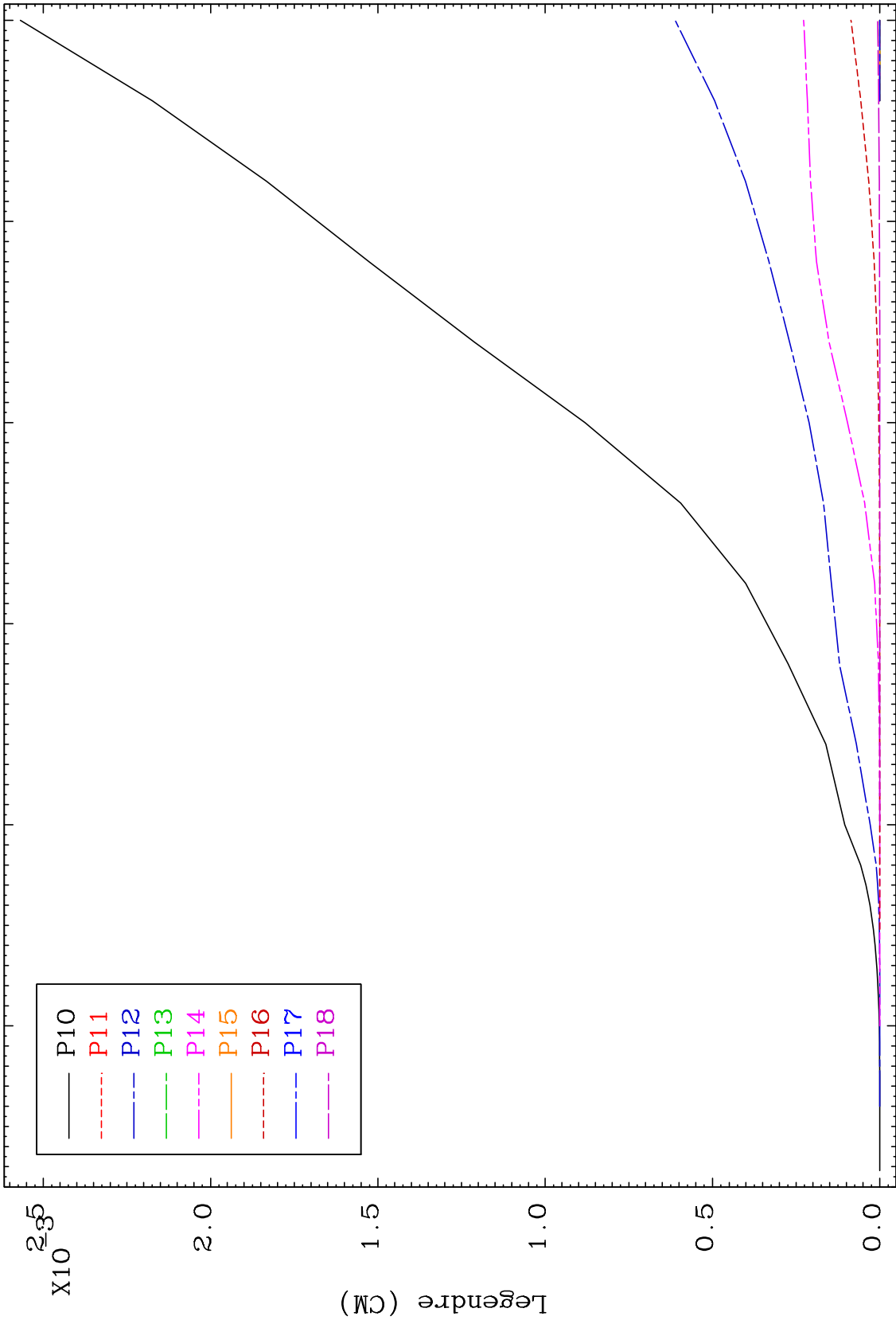
39-Y -80

- P1
- P2
- P3
- P4
- P5
- P6
- P7
- P8
- P9

MAT 3899

Elastic Legendre Coefficients

39-Y -80



14

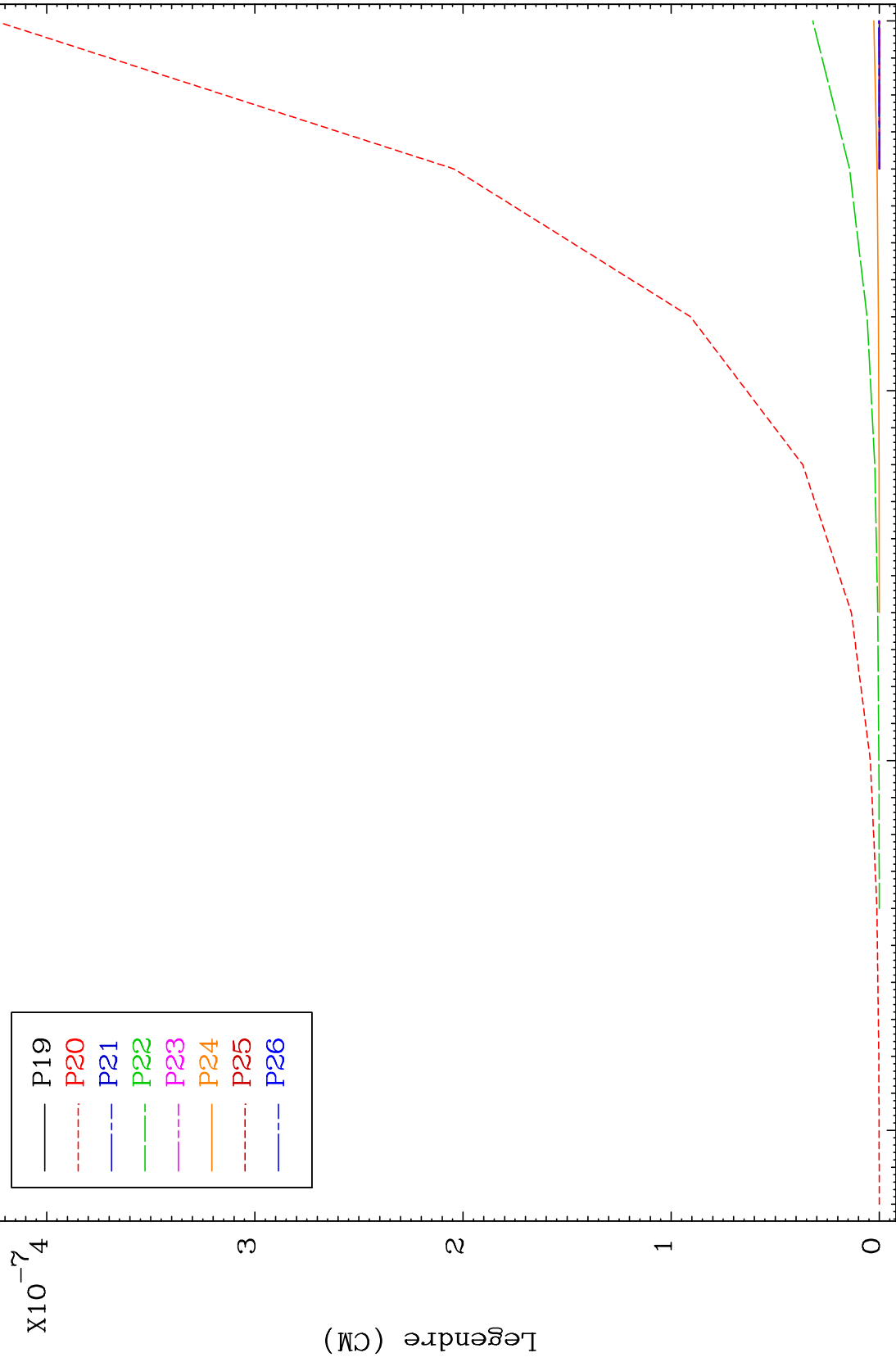
Incident Energy (MeV)

39-Y -80

MAT 3899

Elastic Legendre Coefficients

39-Y -80



15

Incident Energy (MeV)

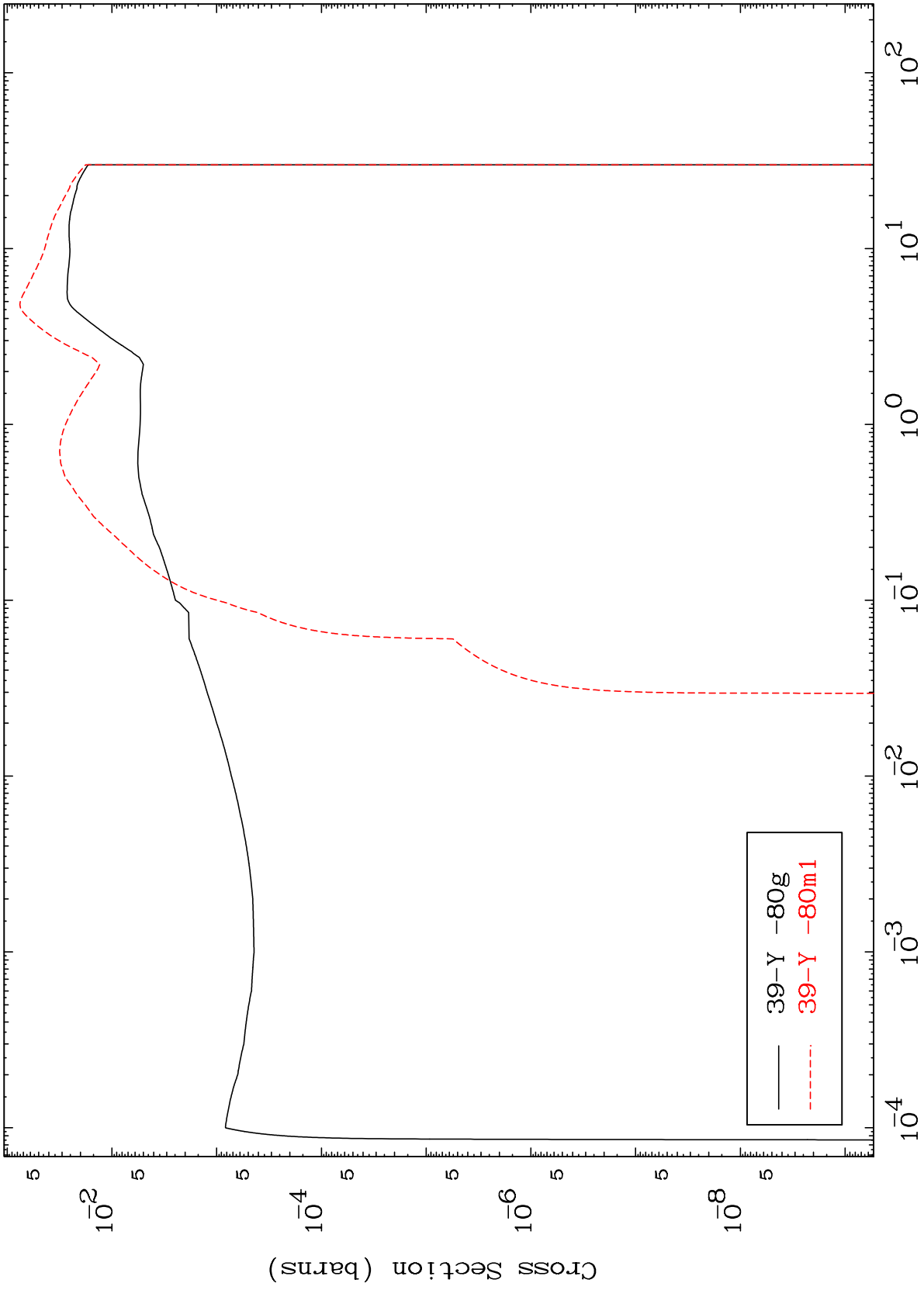
39-Y -80



MAT 3899

39-Y -80

### Inelastic Radionuclide Production Cross Section



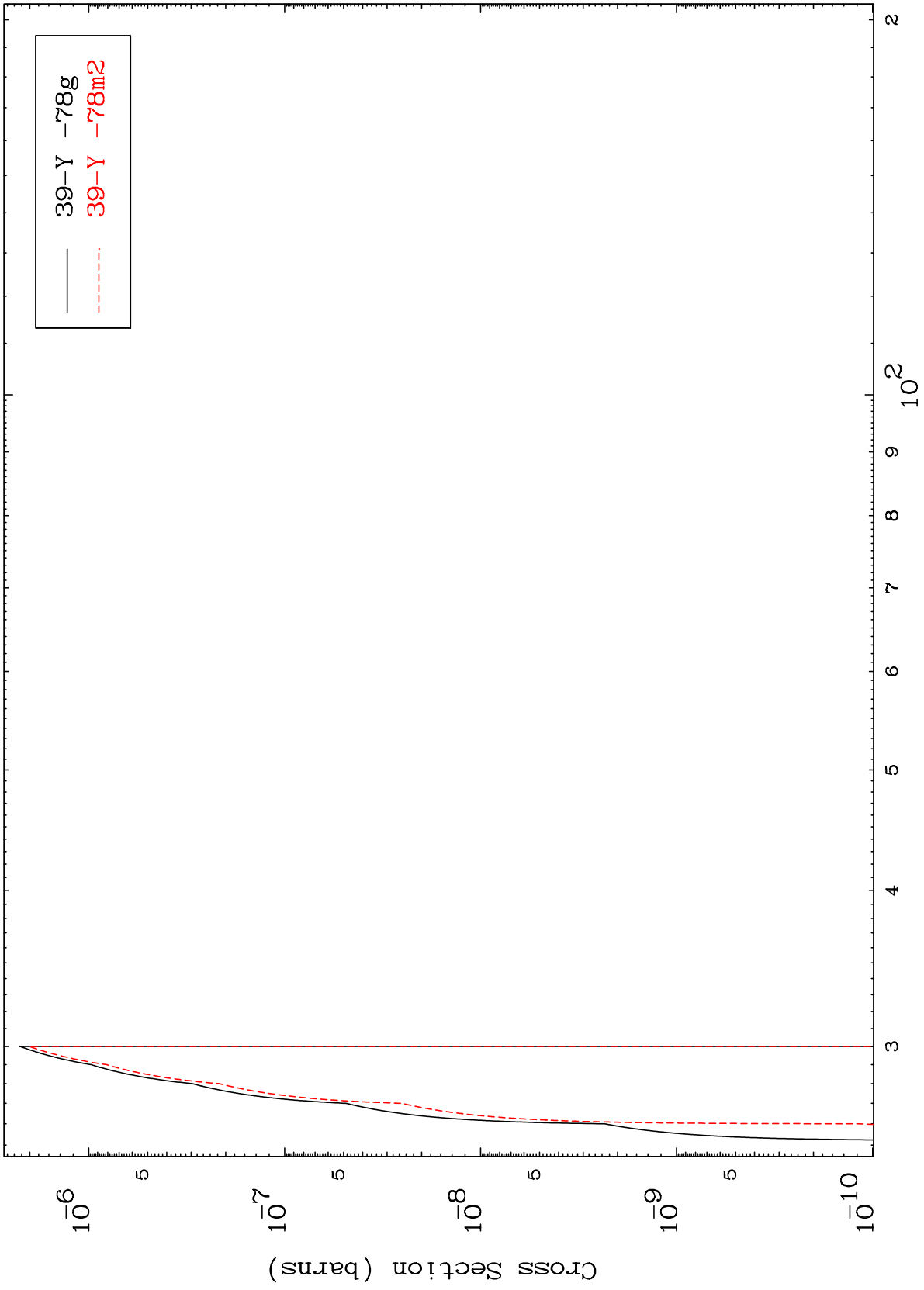
16

39-Y -80

MAT 3899

39-Y -80

Radionuclide Production Cross Section  
(n,3n)



17

Incident Energy (MeV)

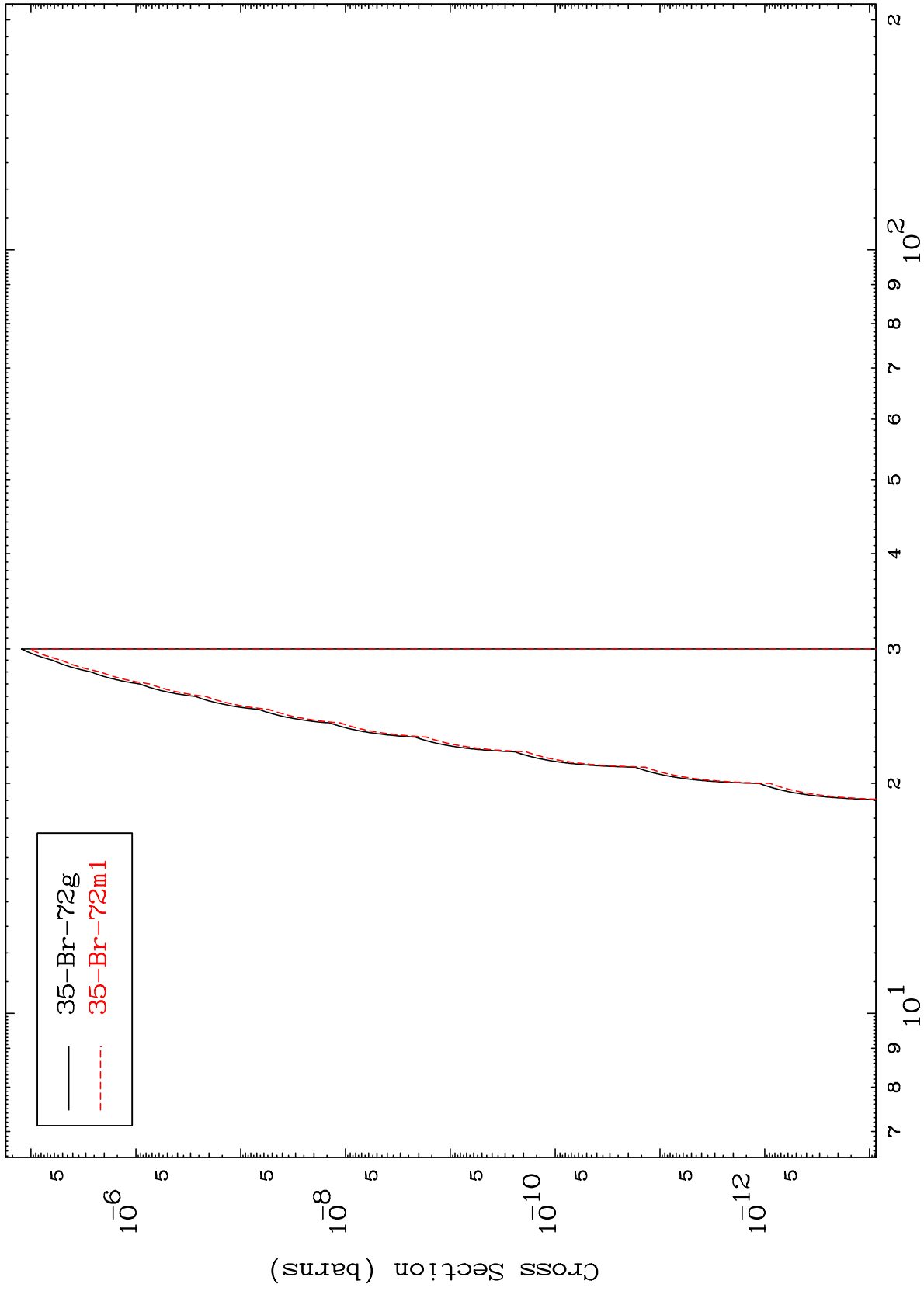
39-Y -80

MAT 3899

(n,n') 2 $\alpha$

39-Y -80

Radionuclide Production Cross Section



18

Incident Energy (MeV)

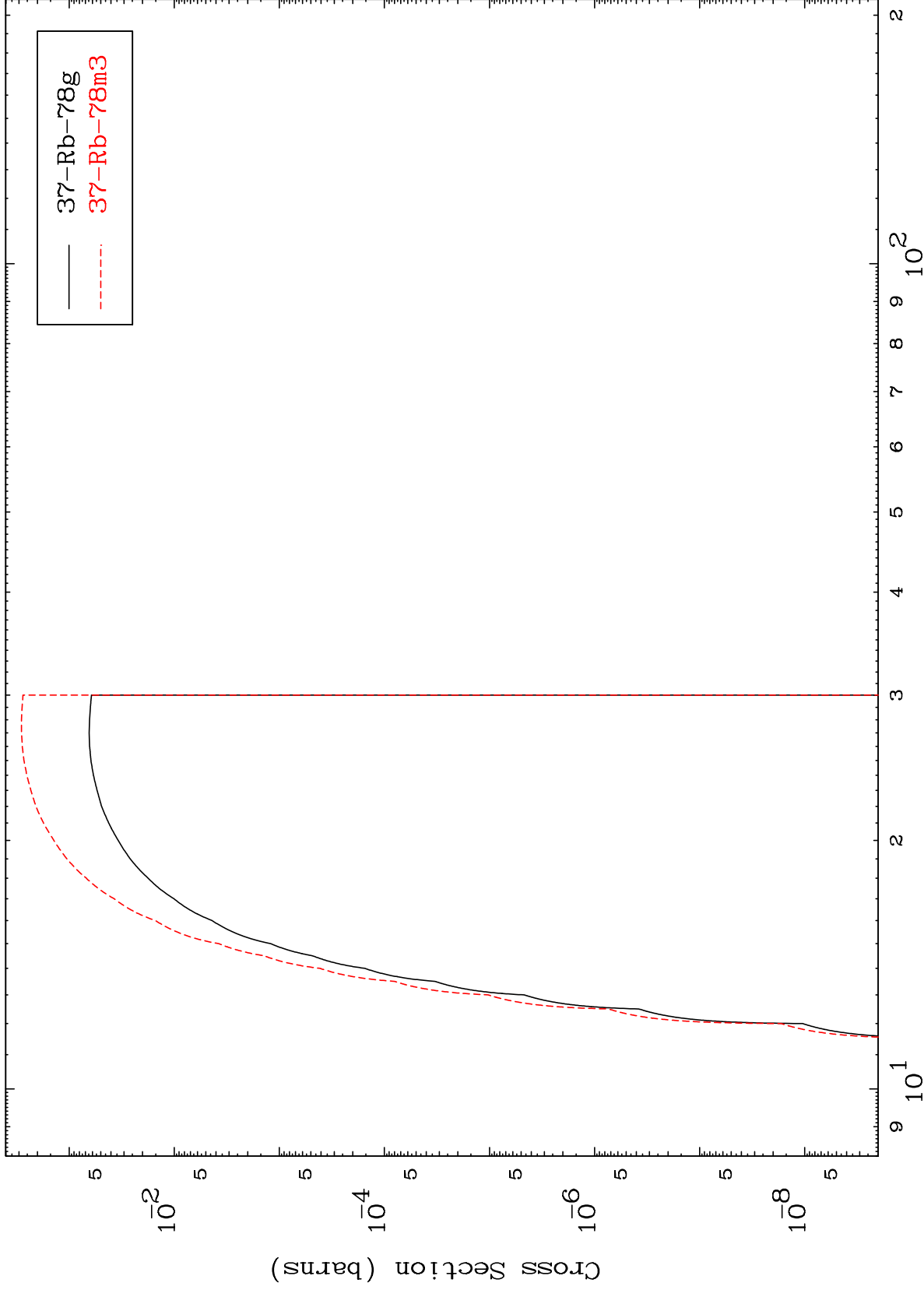
39-Y -80

MAT 3899

(n,2n) p

39-Y -80

Radionuclide Production Cross Section



19

Incident Energy (MeV)

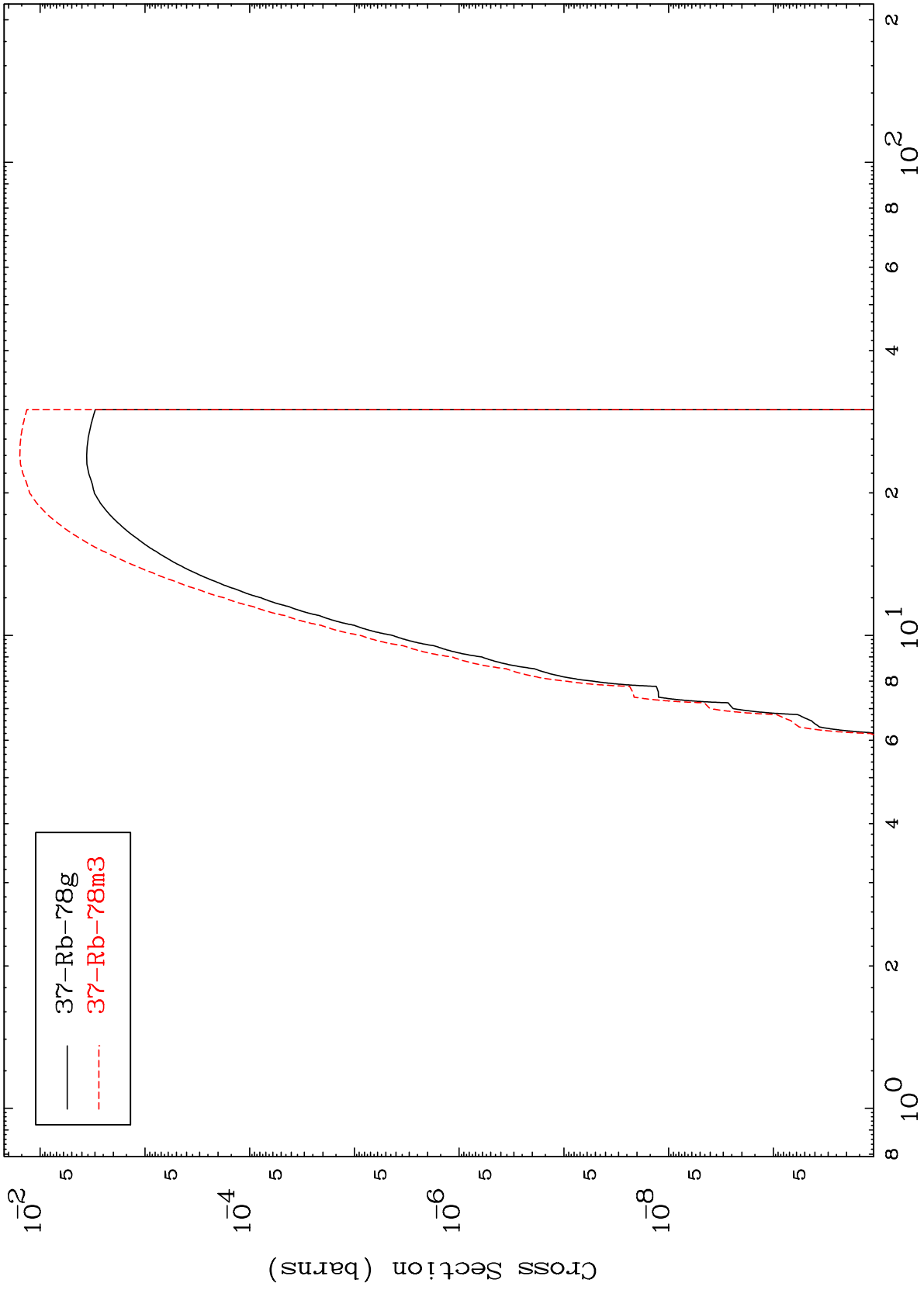
39-Y -80

MAT 3899

(n,He-3)

39-Y -80

Radionuclide Production Cross Section



20

Incident Energy (MeV)

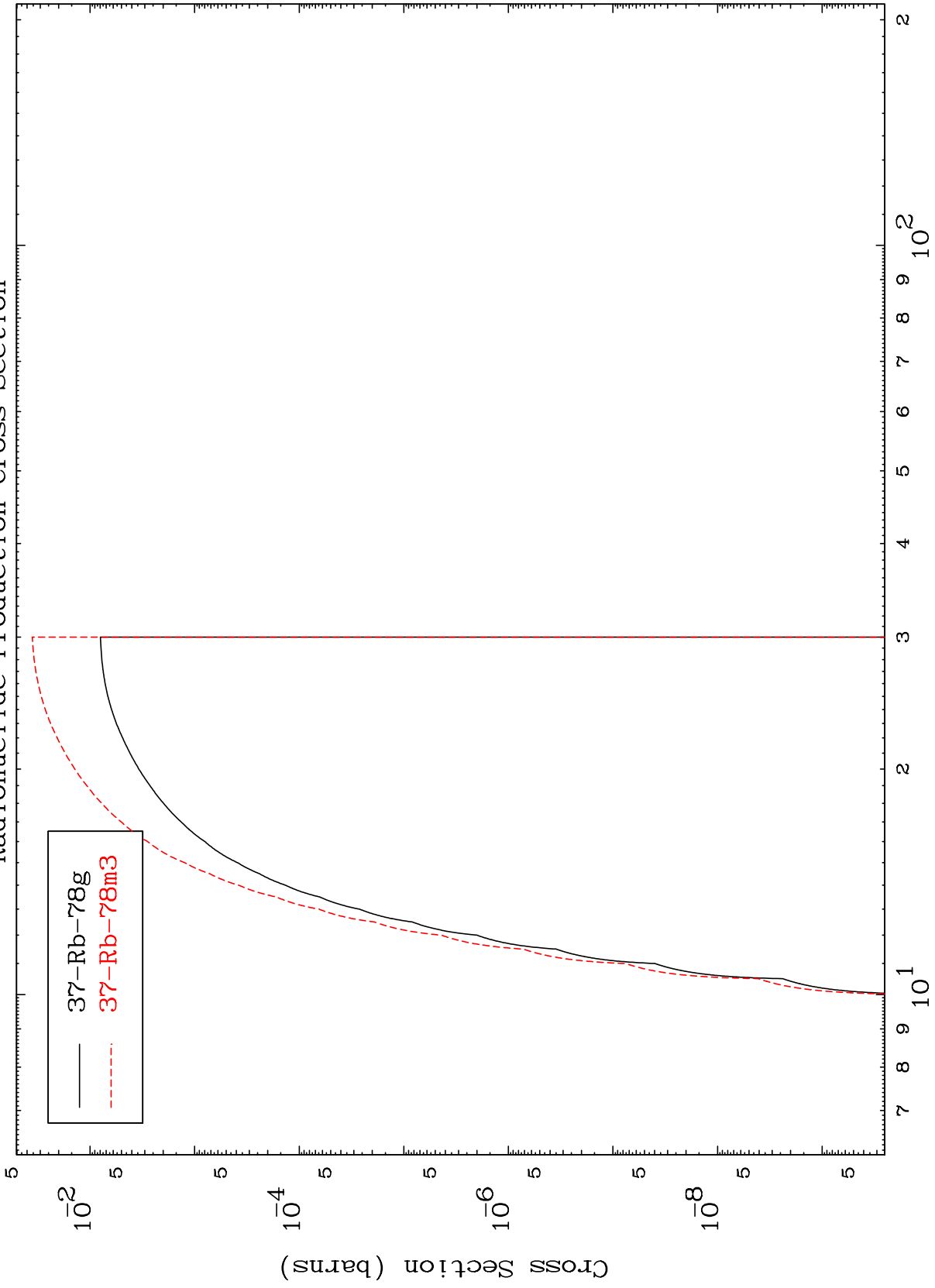
39-Y -80

MAT 3899

(n,p) d

39-Y -80

Radionuclide Production Cross Section



21

Incident Energy (MeV)

39-Y -80