

Program EVALPLOT  
(Version 2021-1)

by

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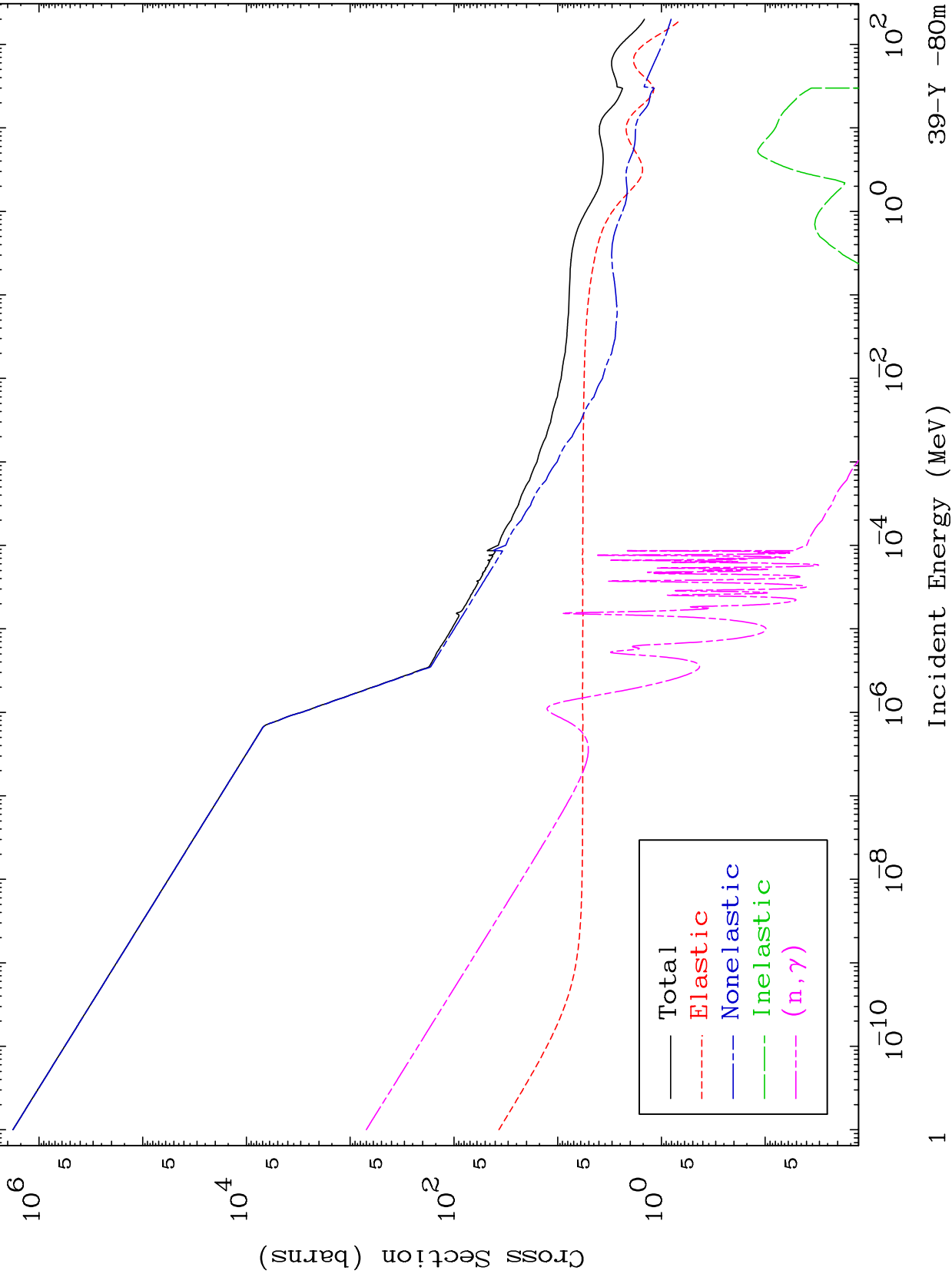
Web:redcullen1.net/HOMEPAGE.NEW

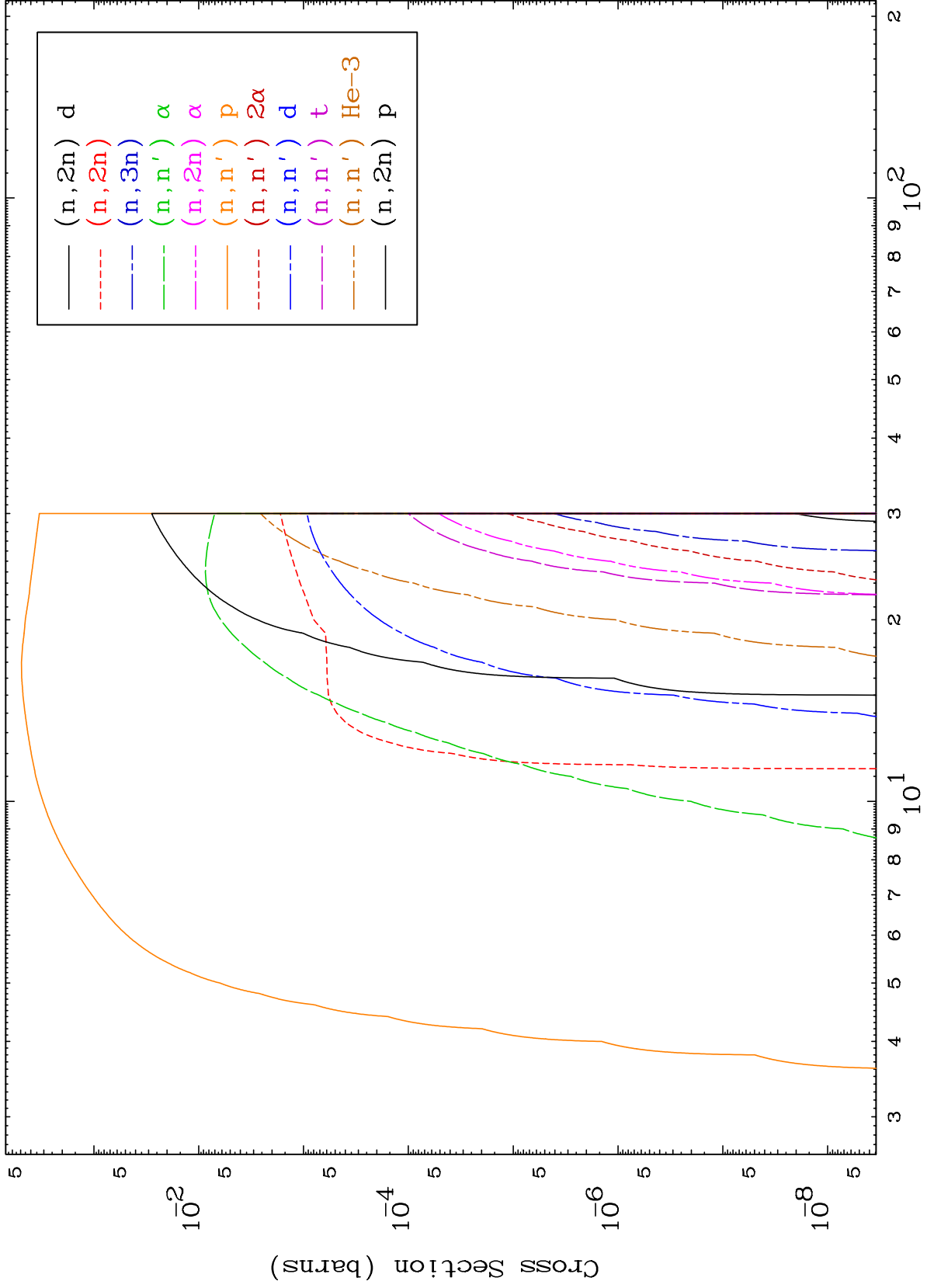
Press Mouse Button to Start

MAT 3899

Neutron Major  
293 Kelvin Cross Sections

39-Y -80m

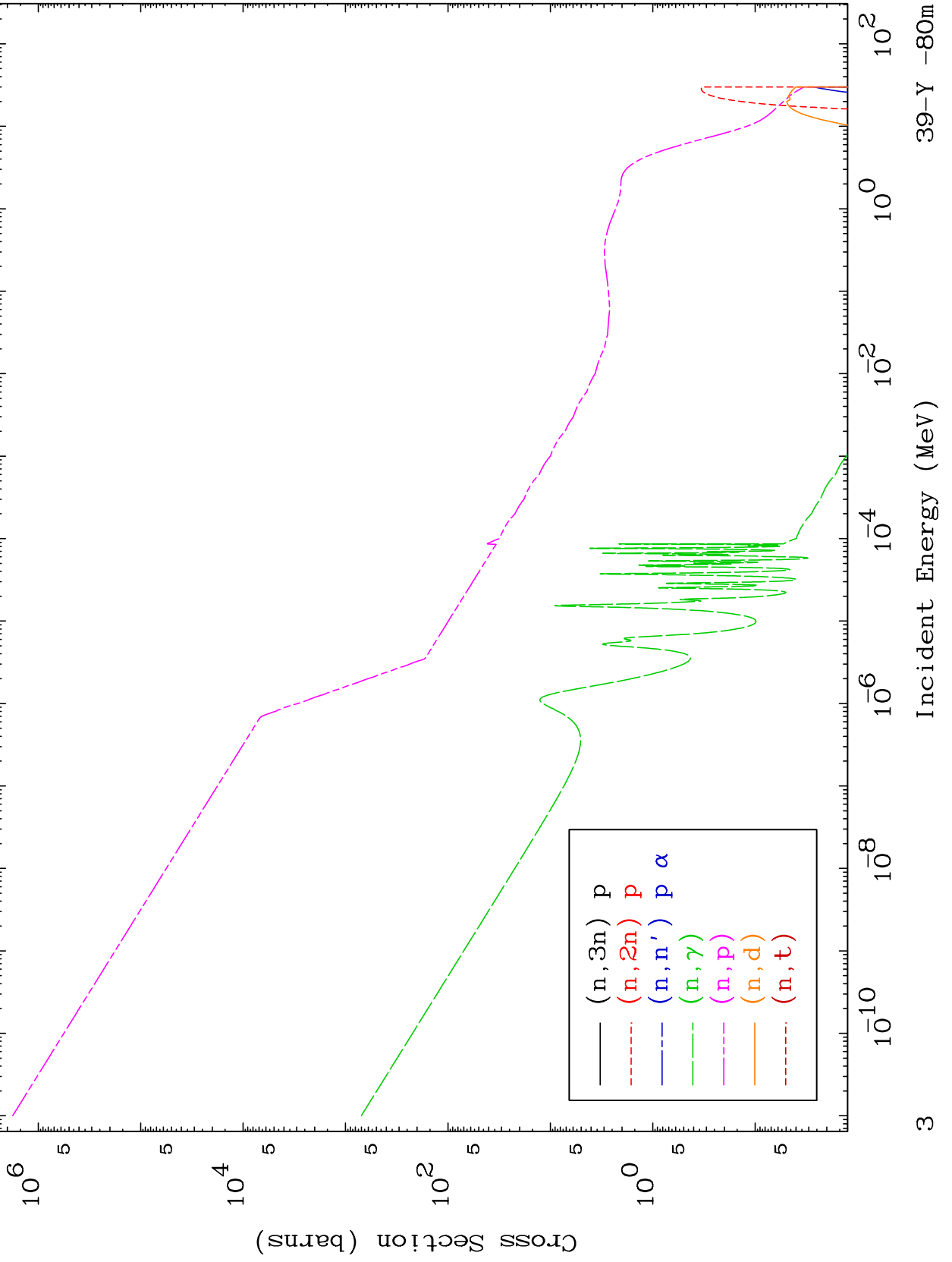


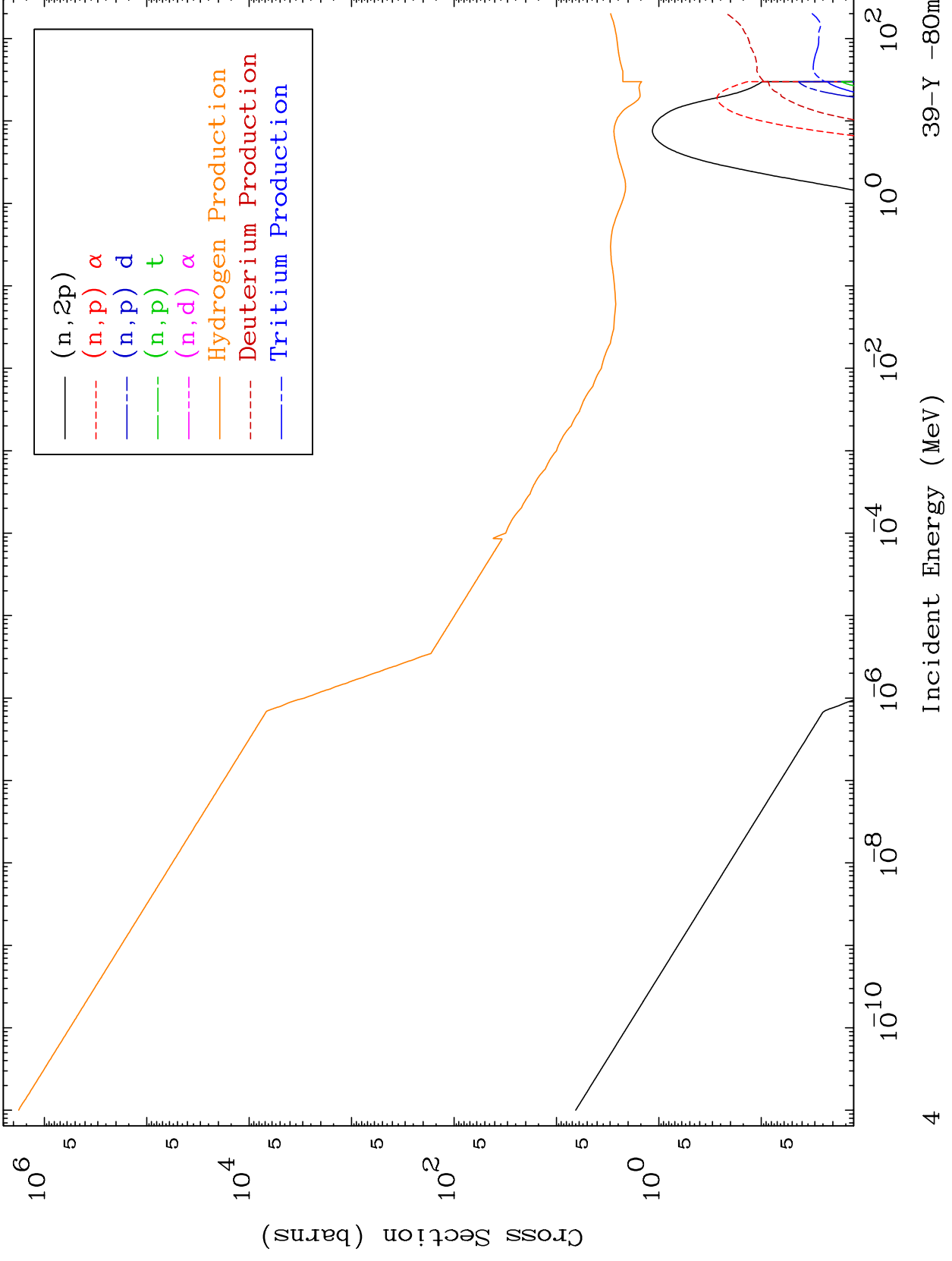


MAT 3899

Neutron Absorption  
293 Kelvin Cross Sections

39-Y -80m

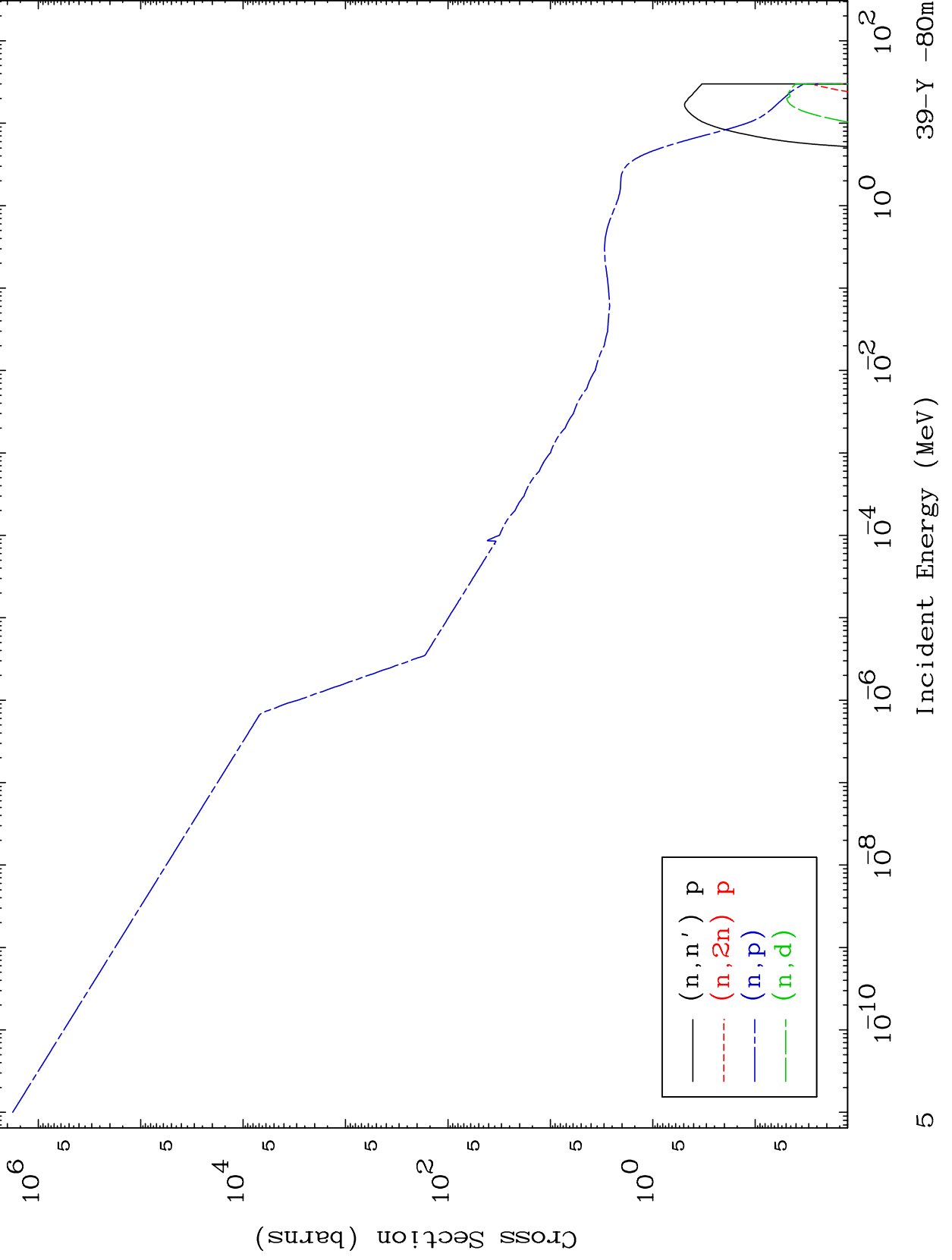




MAT 3899

Charged Particle  
293 Kelvin Cross Sections

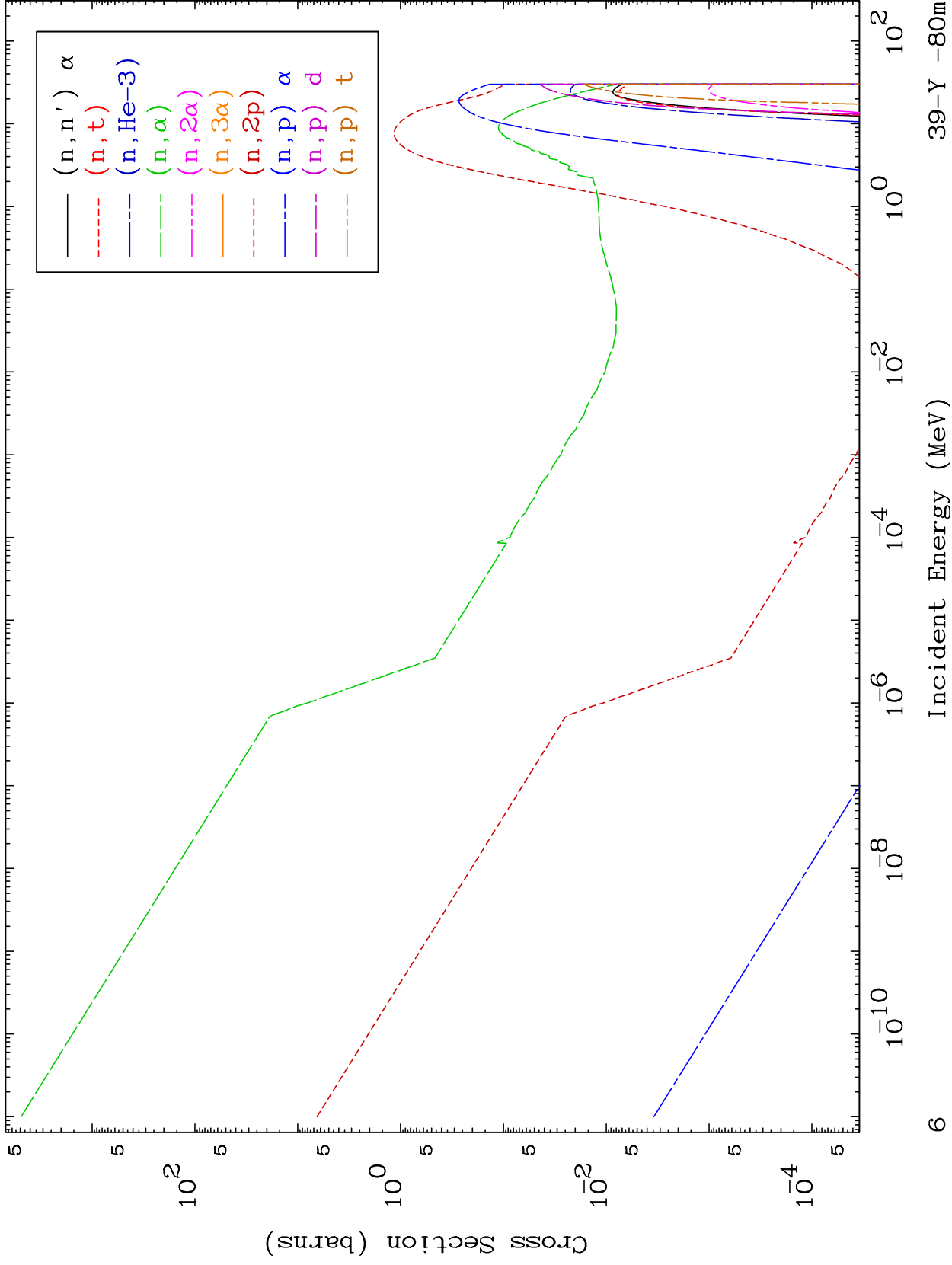
39-Y -80m



MAT 3899

Charged Particle  
293 Kelvin Cross Sections

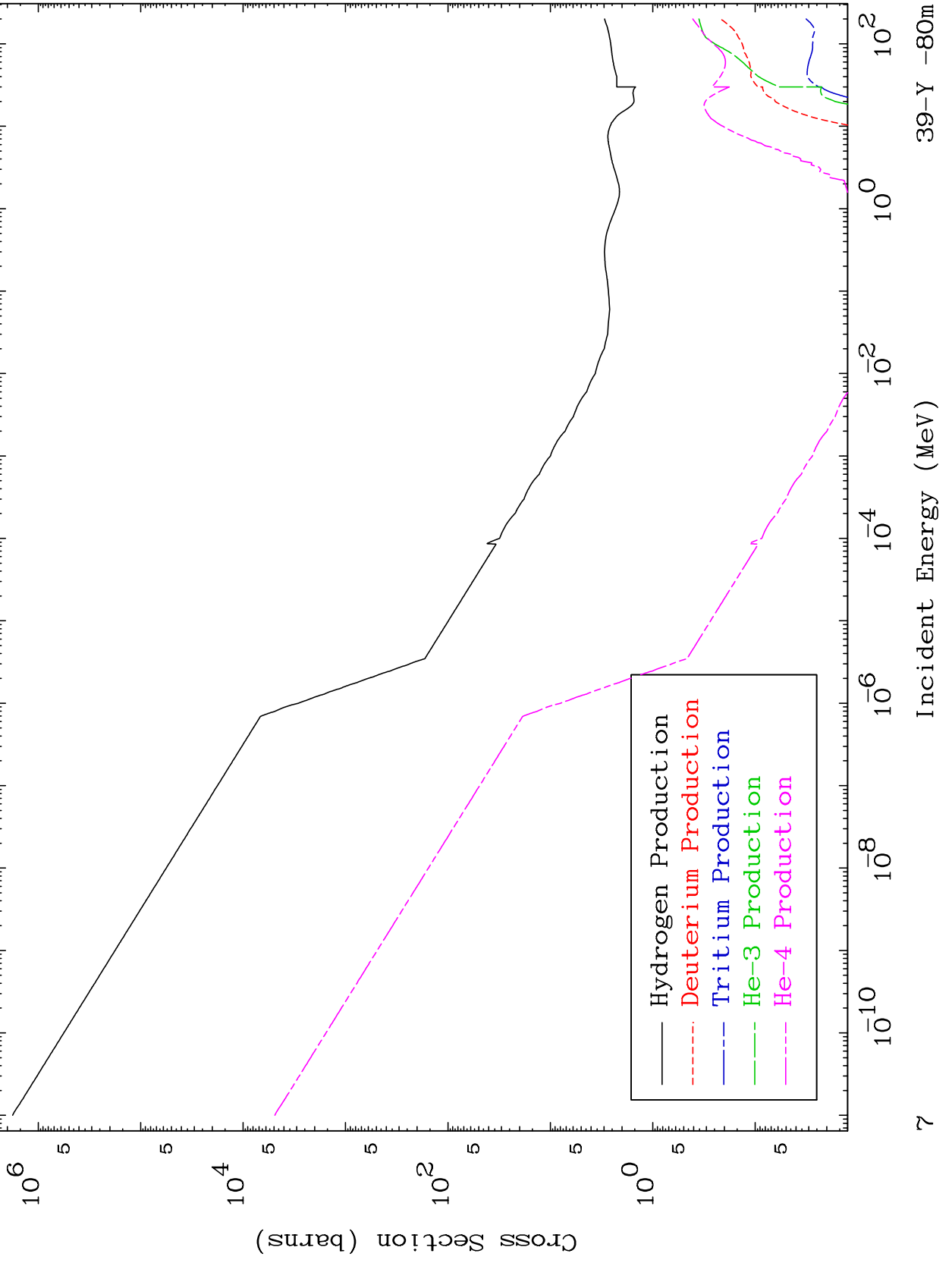
39-Y -80m



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Particle Production  
293 Kelvin Cross Sections

39-Y -80m



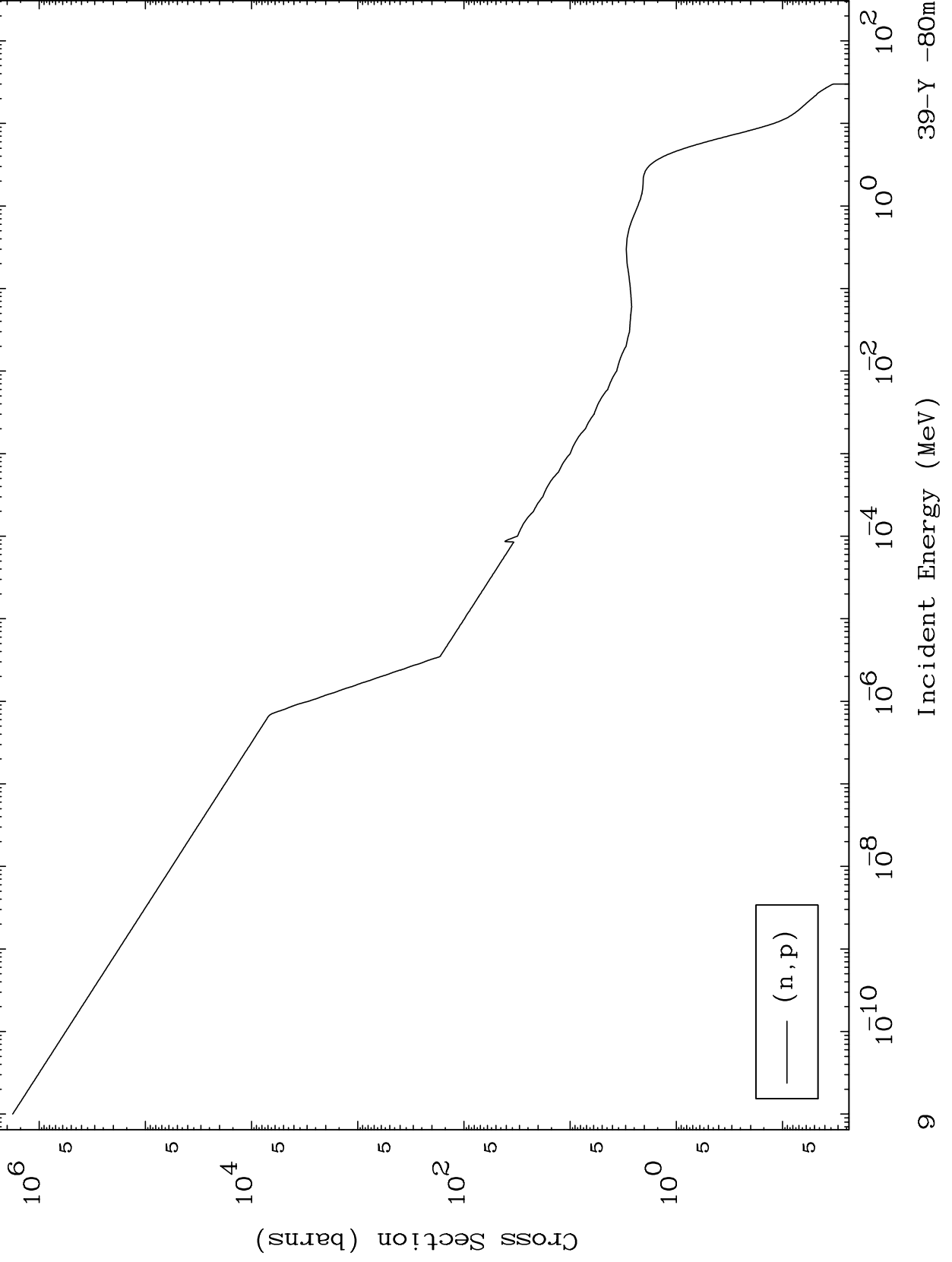




MAT 3899

(n,p) Levels  
293 Kelvin Cross Sections

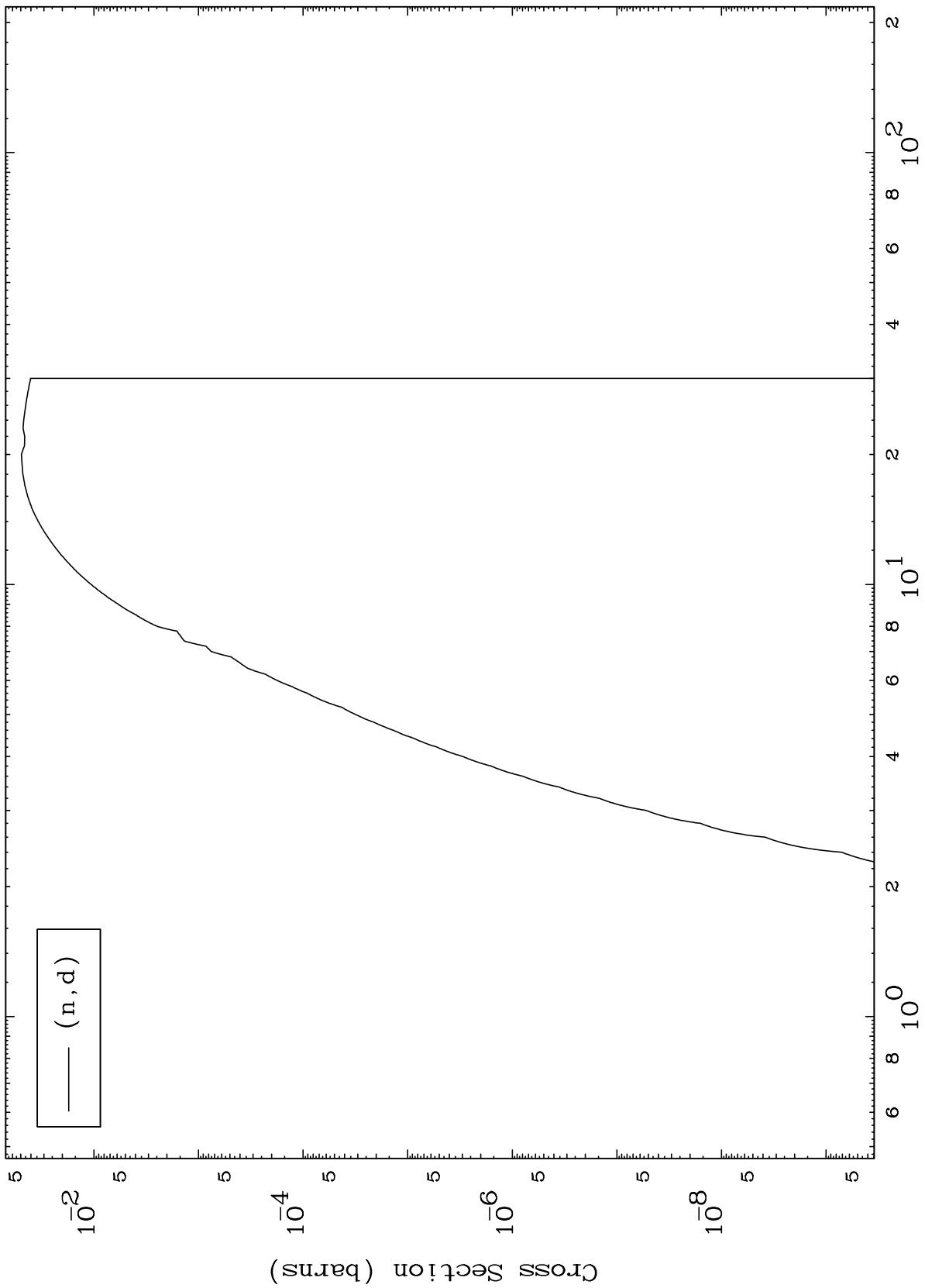
39-Y -80m



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(n,d) Levels  
293 Kelvin Cross Sections

39-Y -80m



10

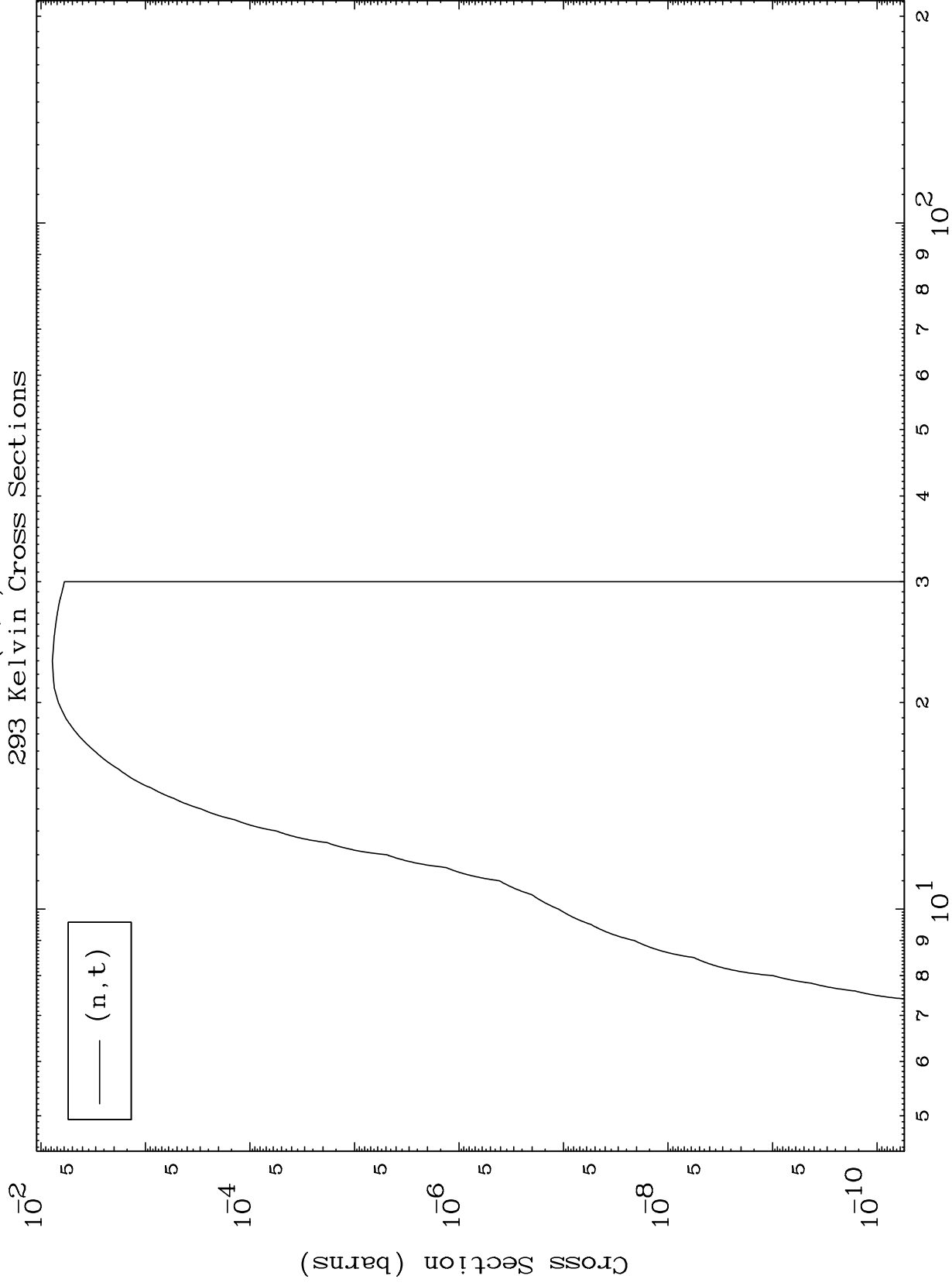
Incident Energy (MeV)

39-Y -80m

MAT 3899

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -80m



(n,t)

Incident Energy (MeV)

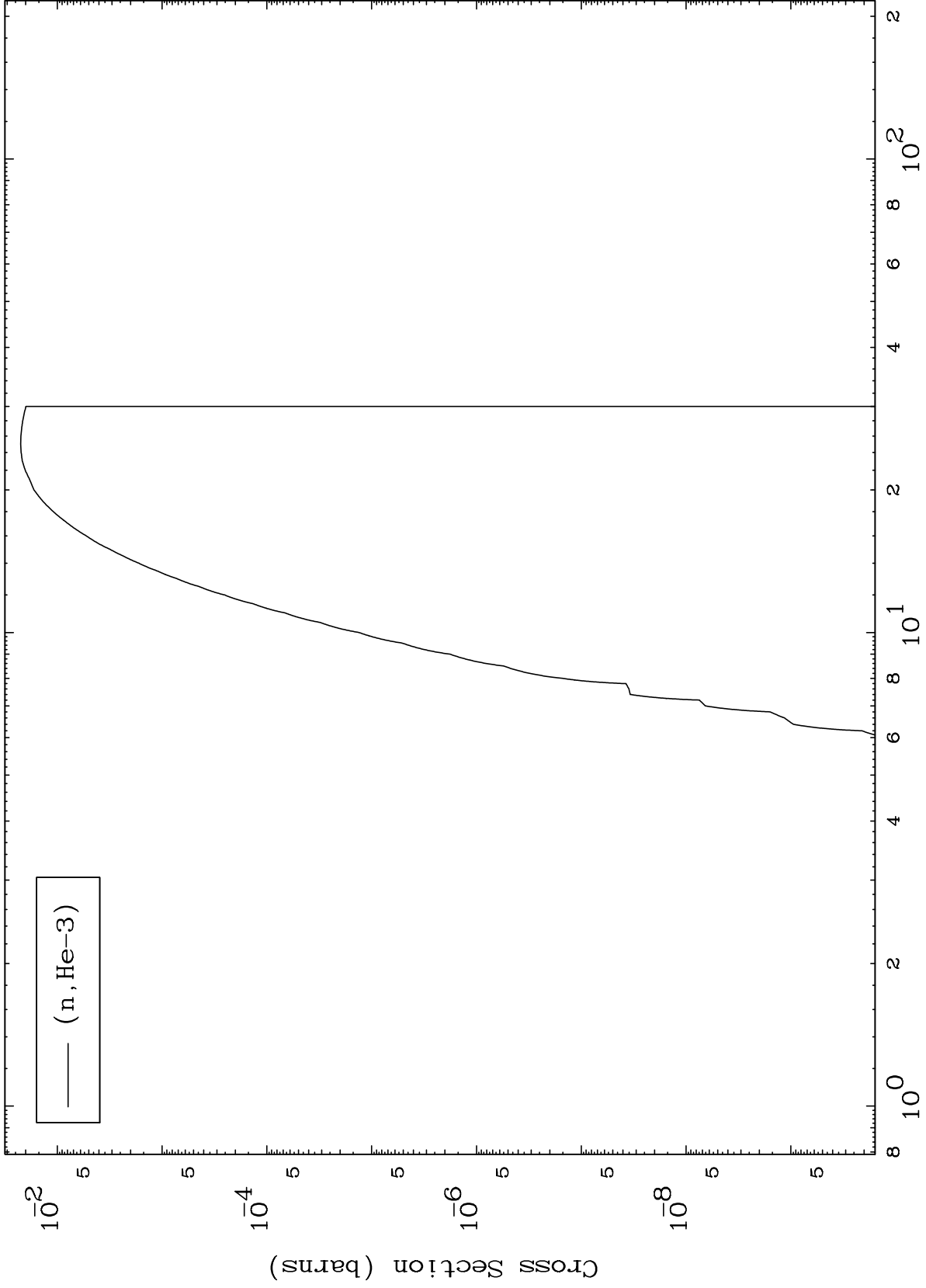
39-Y -80m

11

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(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -80m



12

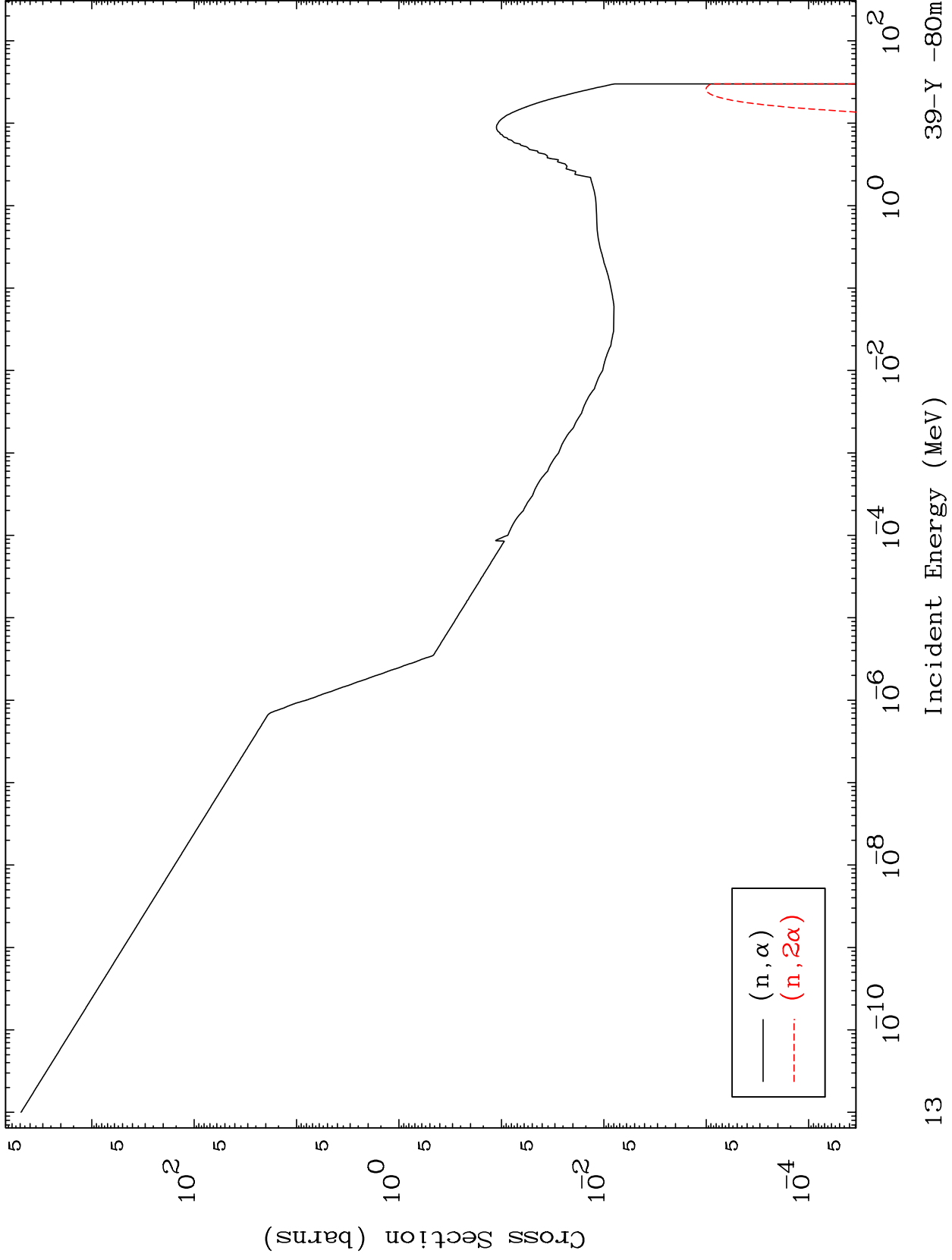
Incident Energy (MeV)

39-Y -80m

MAT 3899

(n,α) Levels  
293 Kelvin Cross Sections

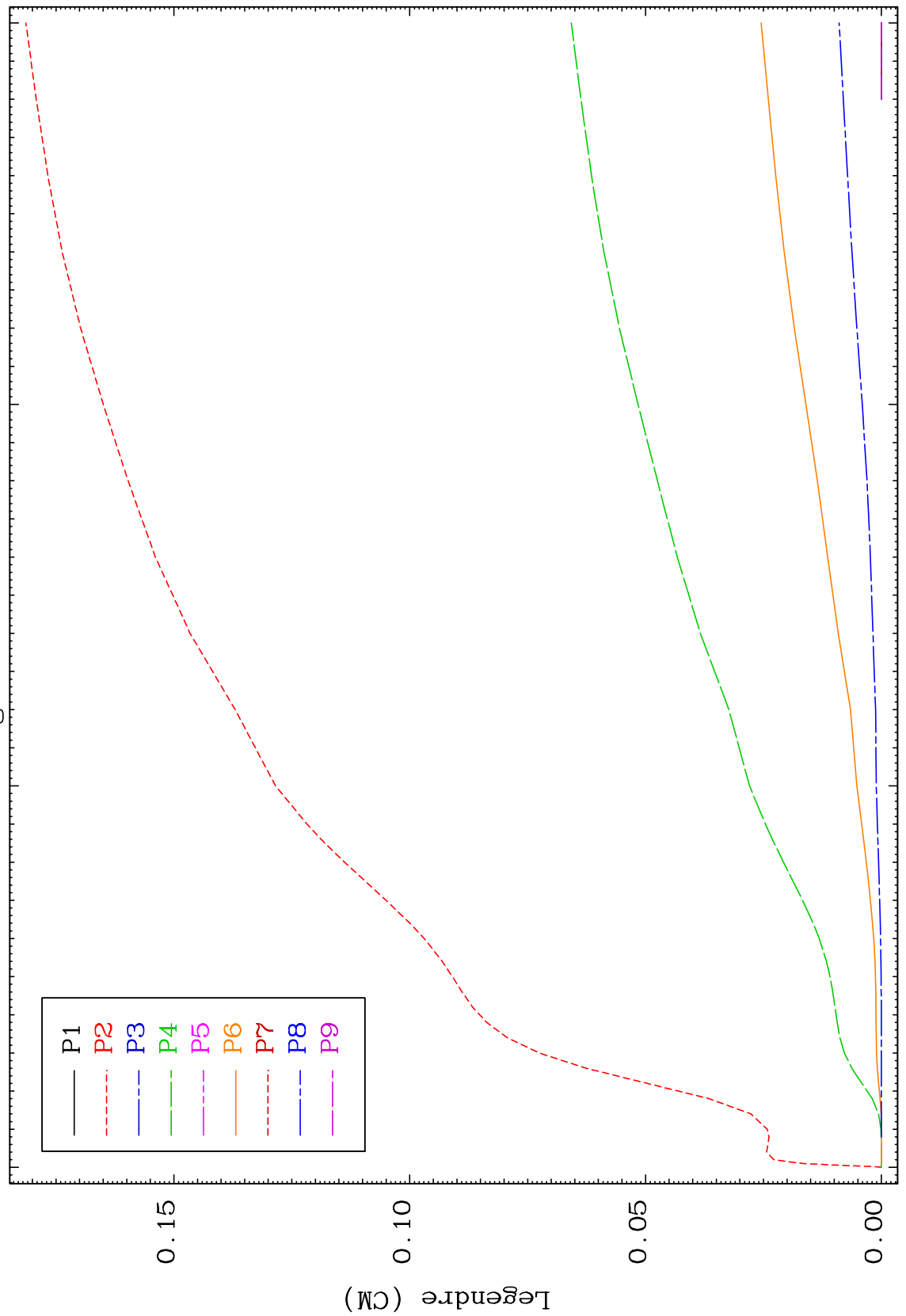
39-Y -80m



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### Elastic Legendre Coefficients

39-Y -80m



14

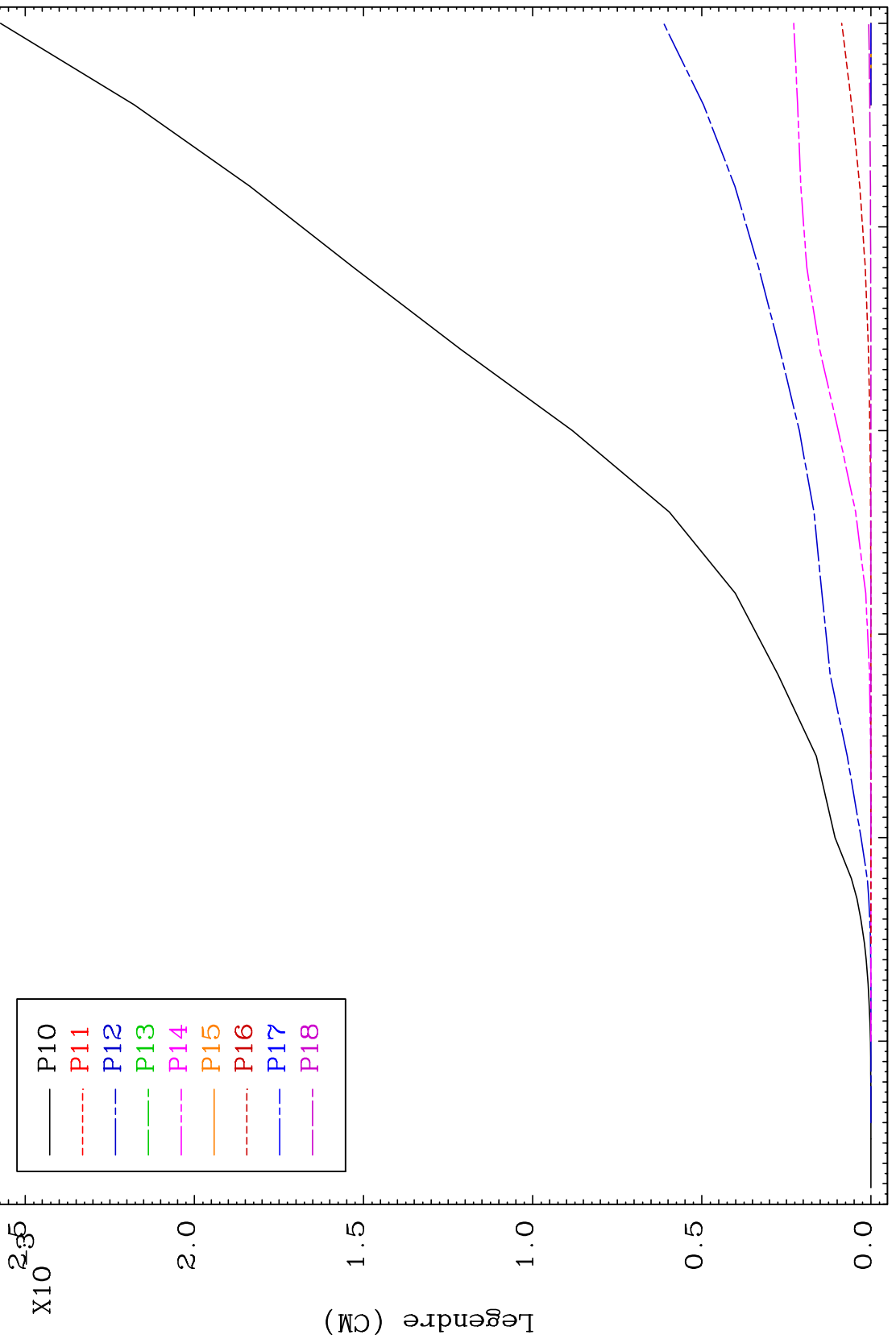
Incident Energy (MeV)

39-Y -80m

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### Elastic Legendre Coefficients

39-Y -80m



15

Incident Energy (MeV)

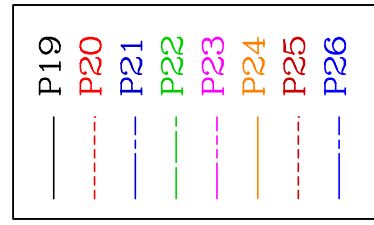
39-Y -80m



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Elastic Legendre Coefficients

39-Y -80m



$\times 10^{-7}$

Legendre (CM)



16

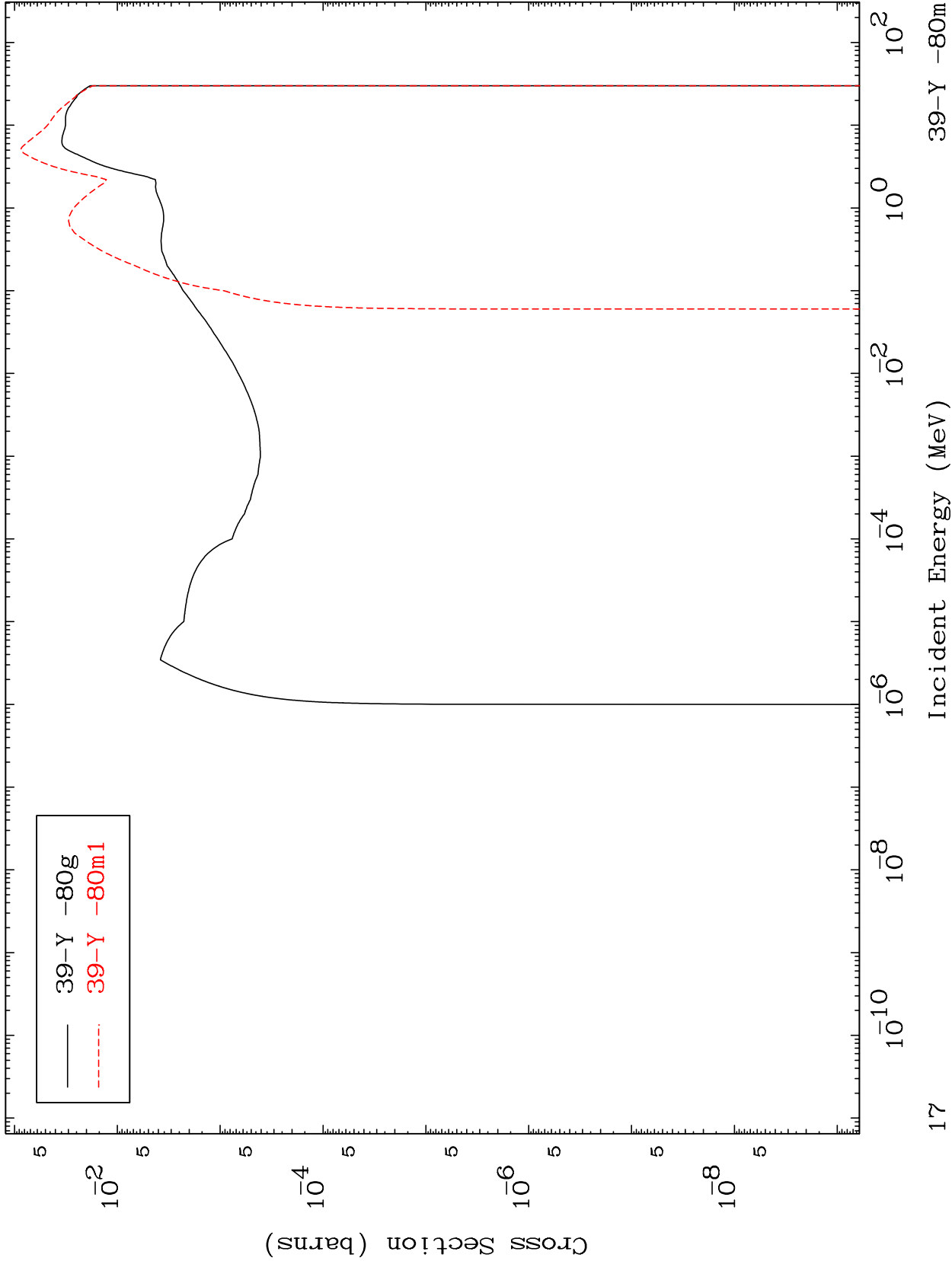
Incident Energy (MeV)

39-Y -80m

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Inelastic  
Radionuclide Production Cross Section

39-Y -80m

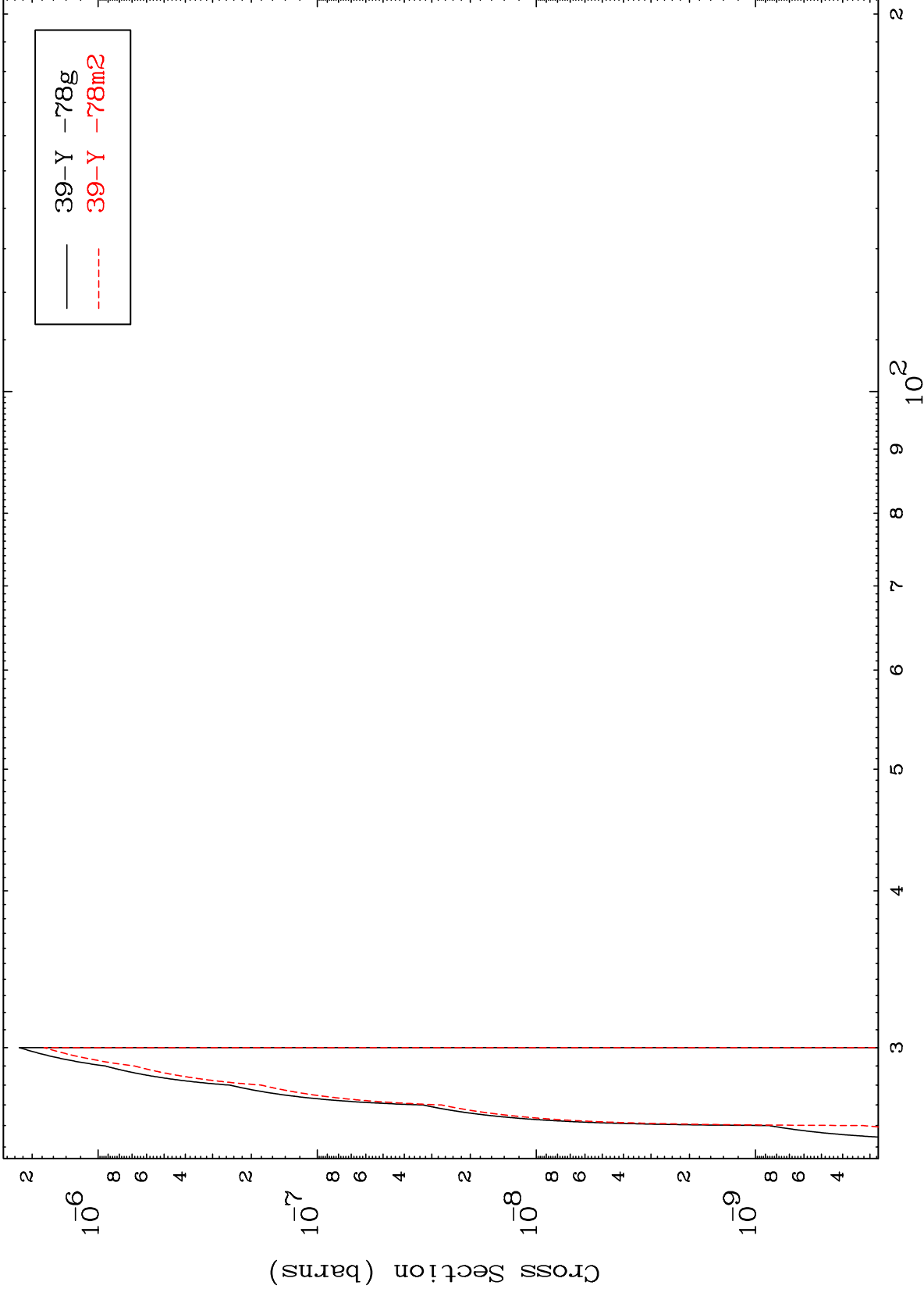


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(n,3n)

39-Y -80m

Radionuclide Production Cross Section



39-Y -78g  
39-Y -78m2

18

Incident Energy (MeV)

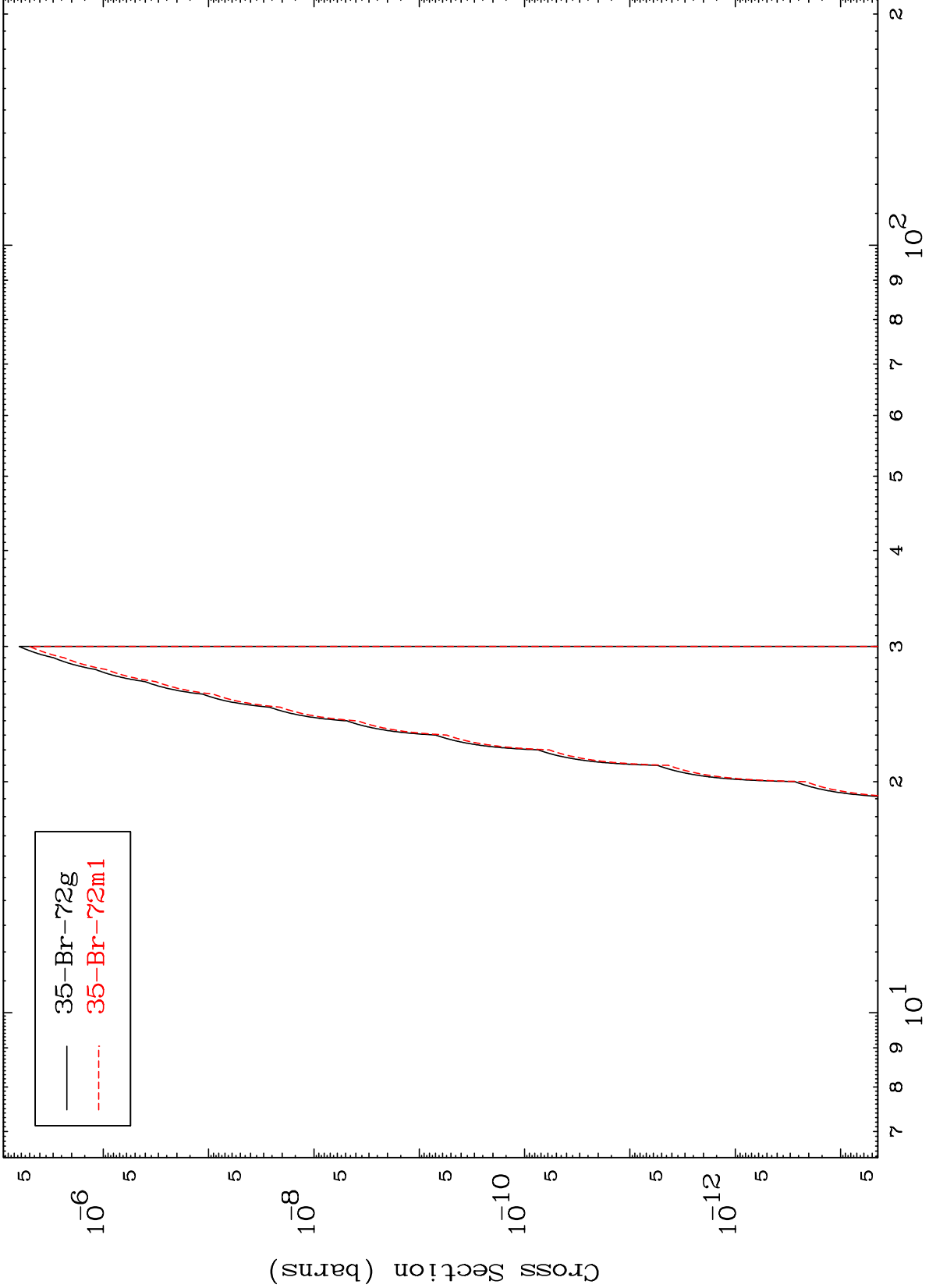
39-Y -80m

MAT 3899

(n,n') 2α

39-Y -80m

Radionuclide Production Cross Section



35-Br-72g  
35-Br-72m1

19

Incident Energy (MeV)

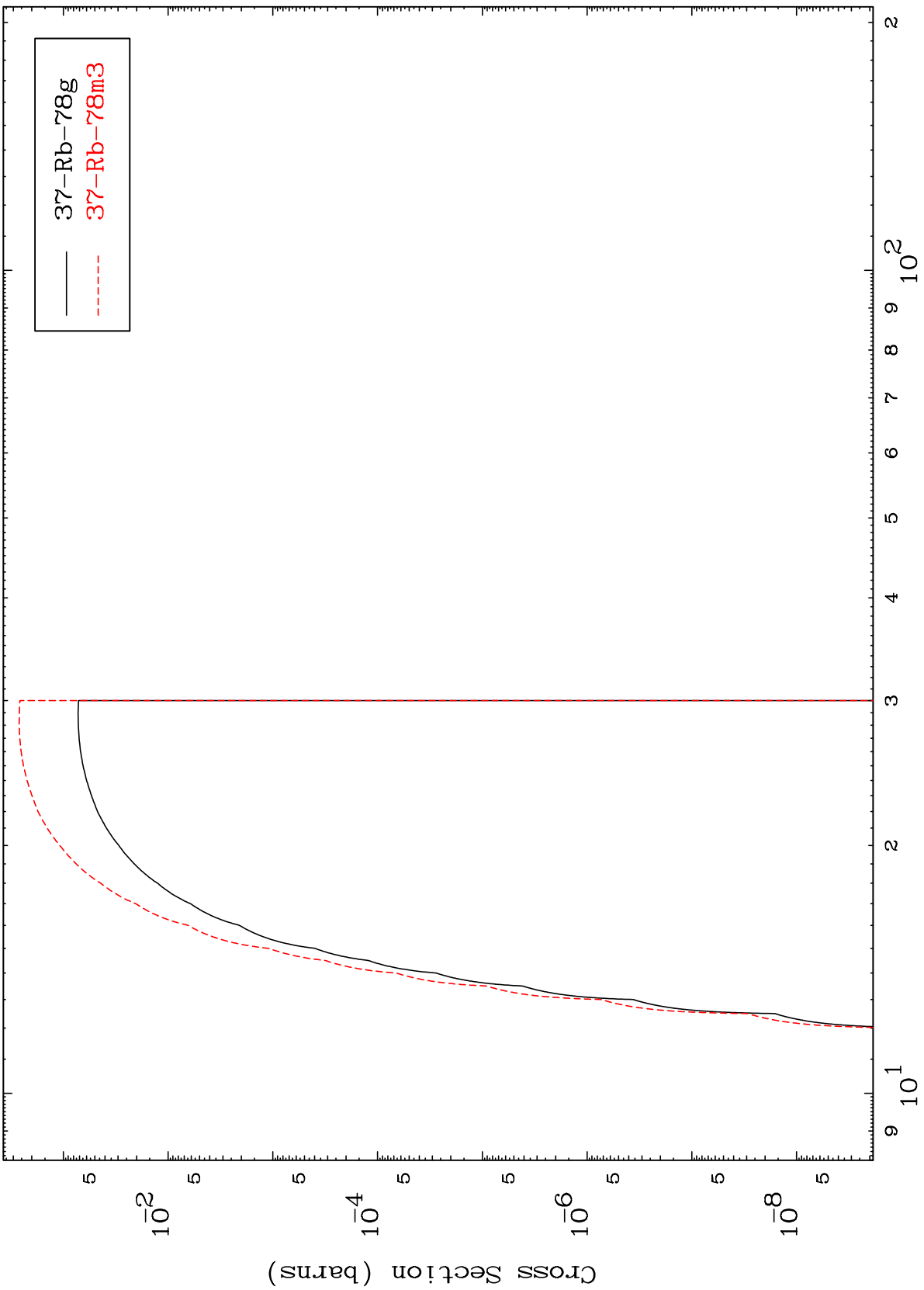
39-Y -80m

MAT 3899

(n,2n) p

39-Y -80m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

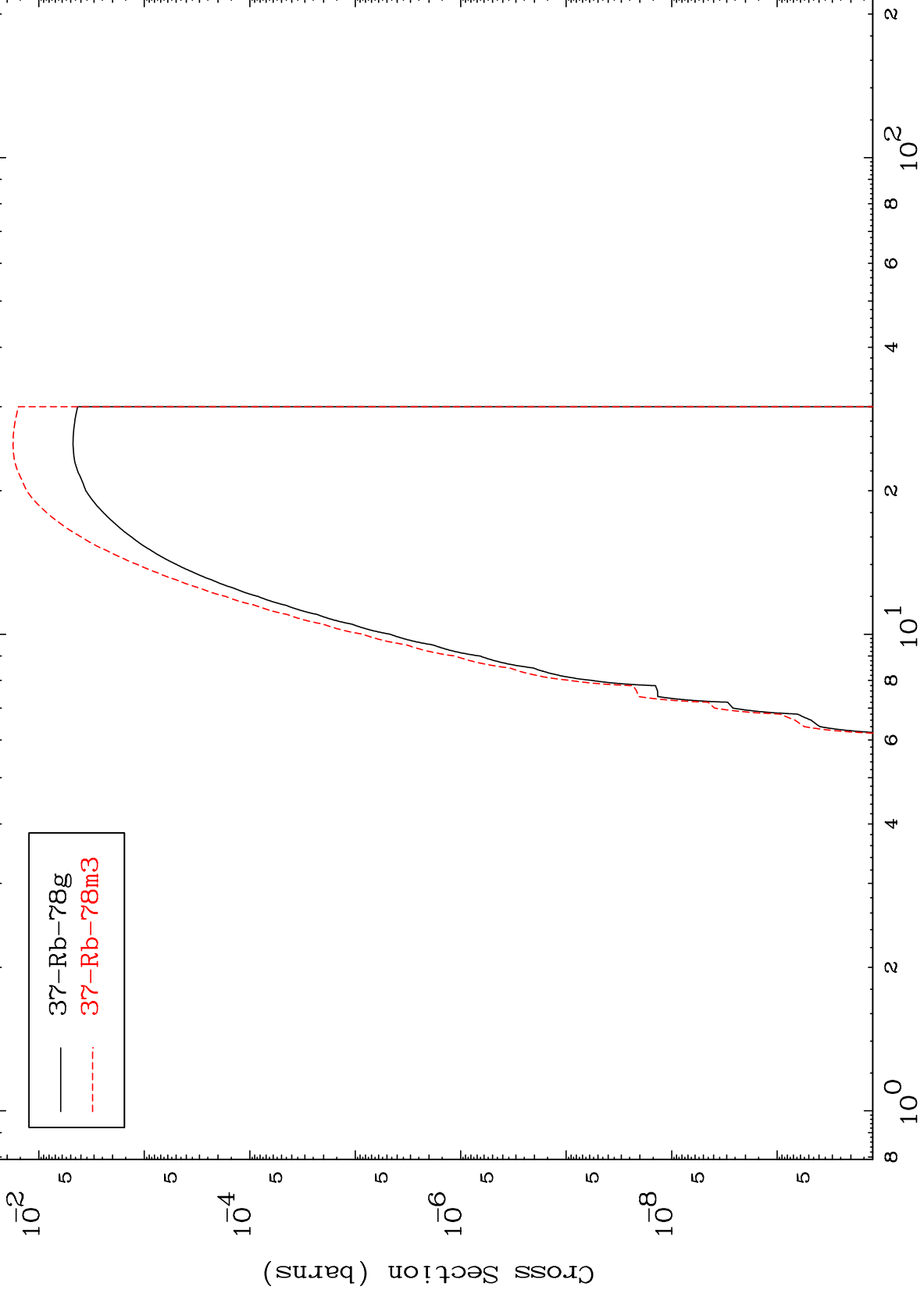
39-Y -80m

MAT 3899

(n,He-3)

39-Y -80m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

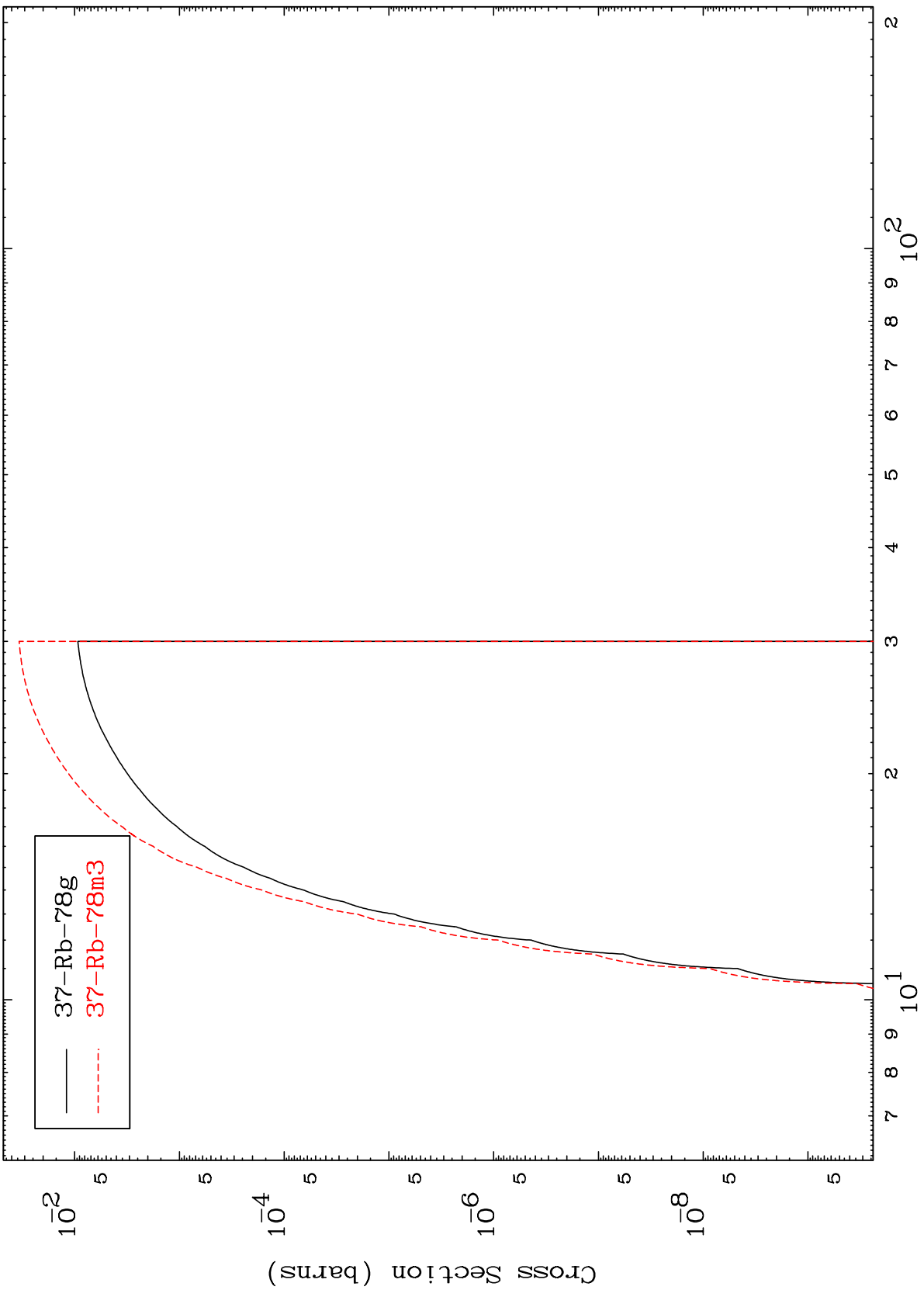
39-Y -80m

MAT 3899

(n,p) d

39-Y -80m

Radionuclide Production Cross Section



— 37-Rb-78g  
- - - 37-Rb-78m3