

Program EVALPLOT  
(Version 2015-2)

by

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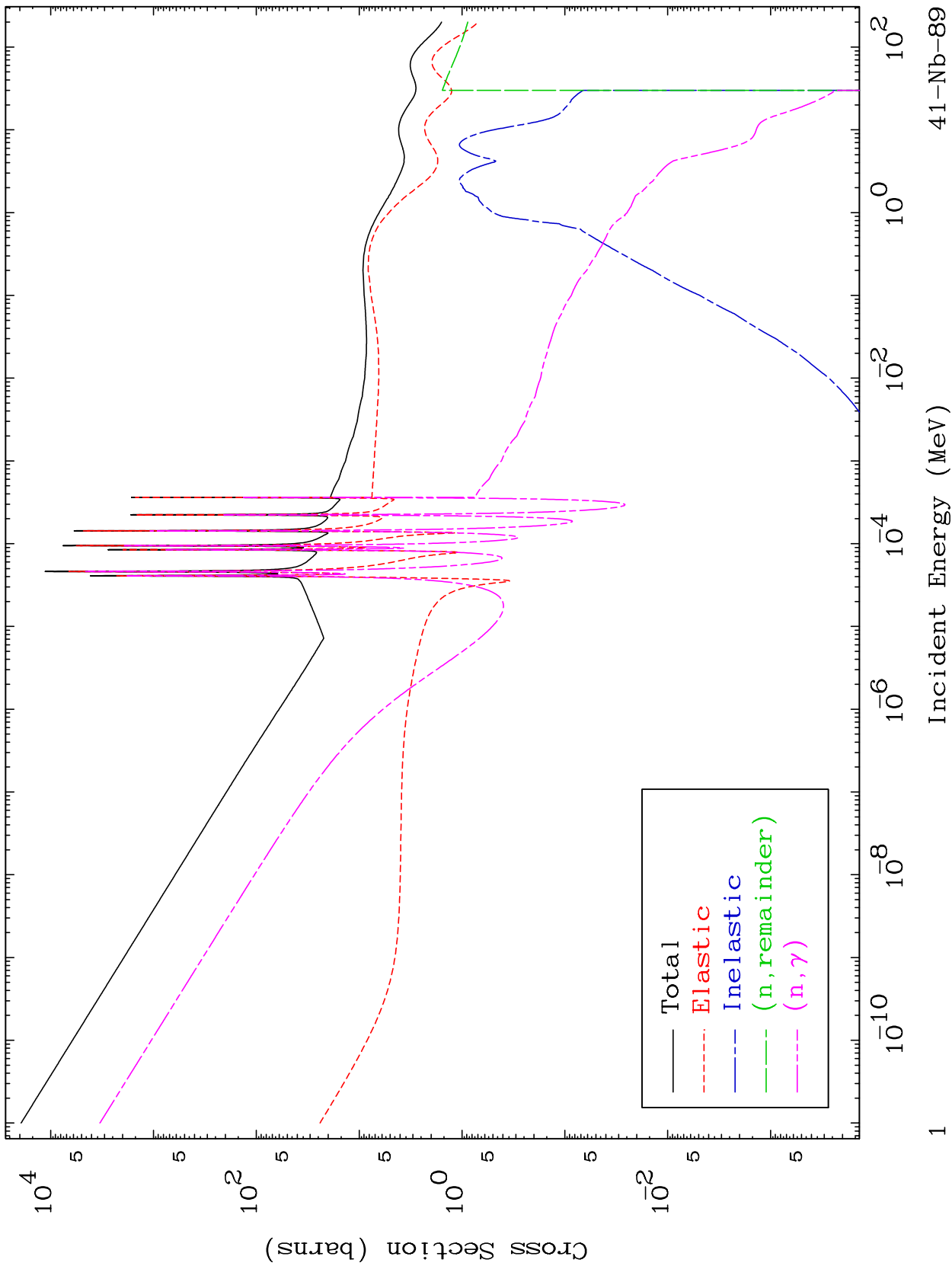
Press Mouse Button to Start

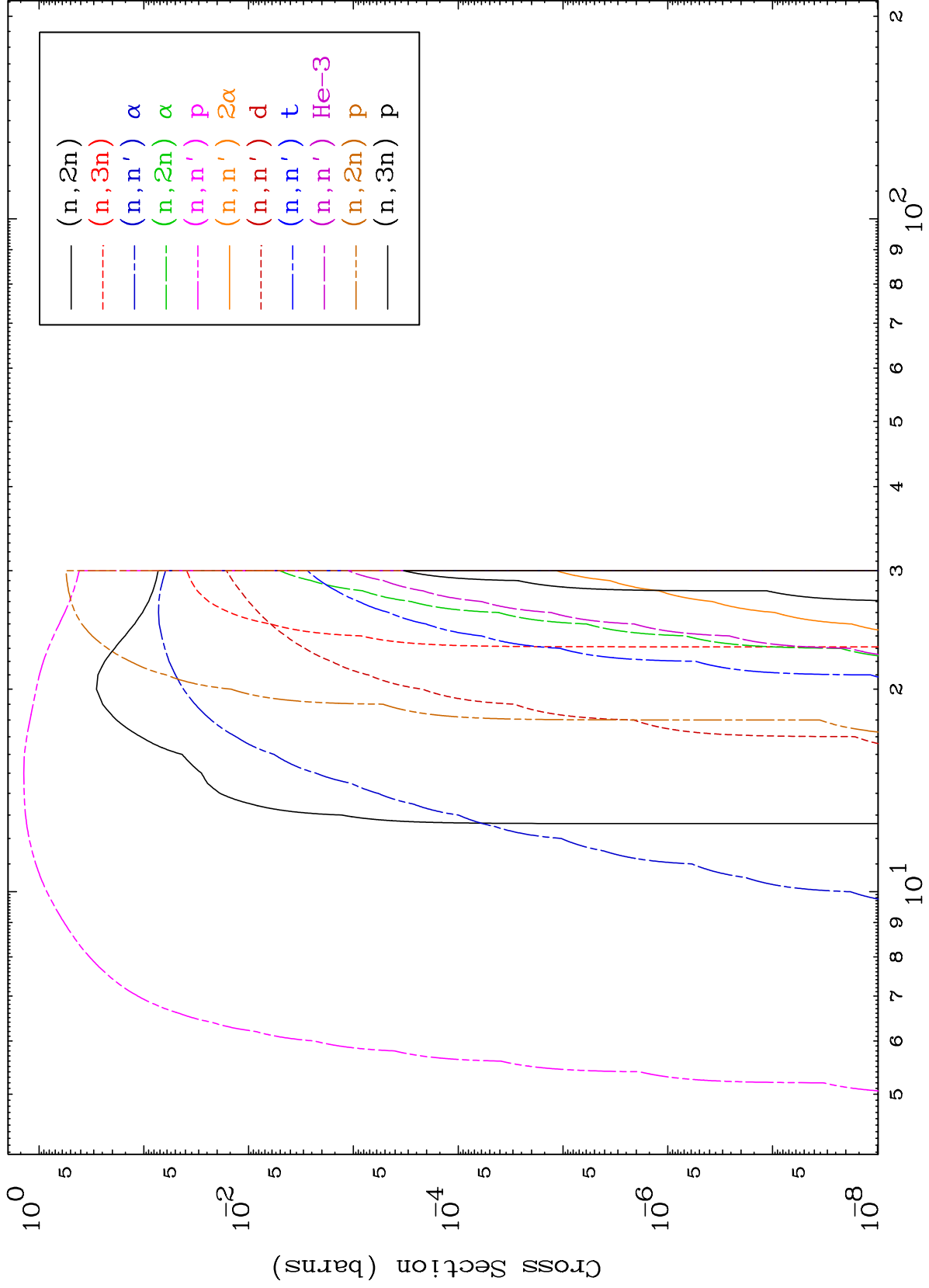
MAT 4114

Major

293 Kelvin Cross Sections

41-Nb-89

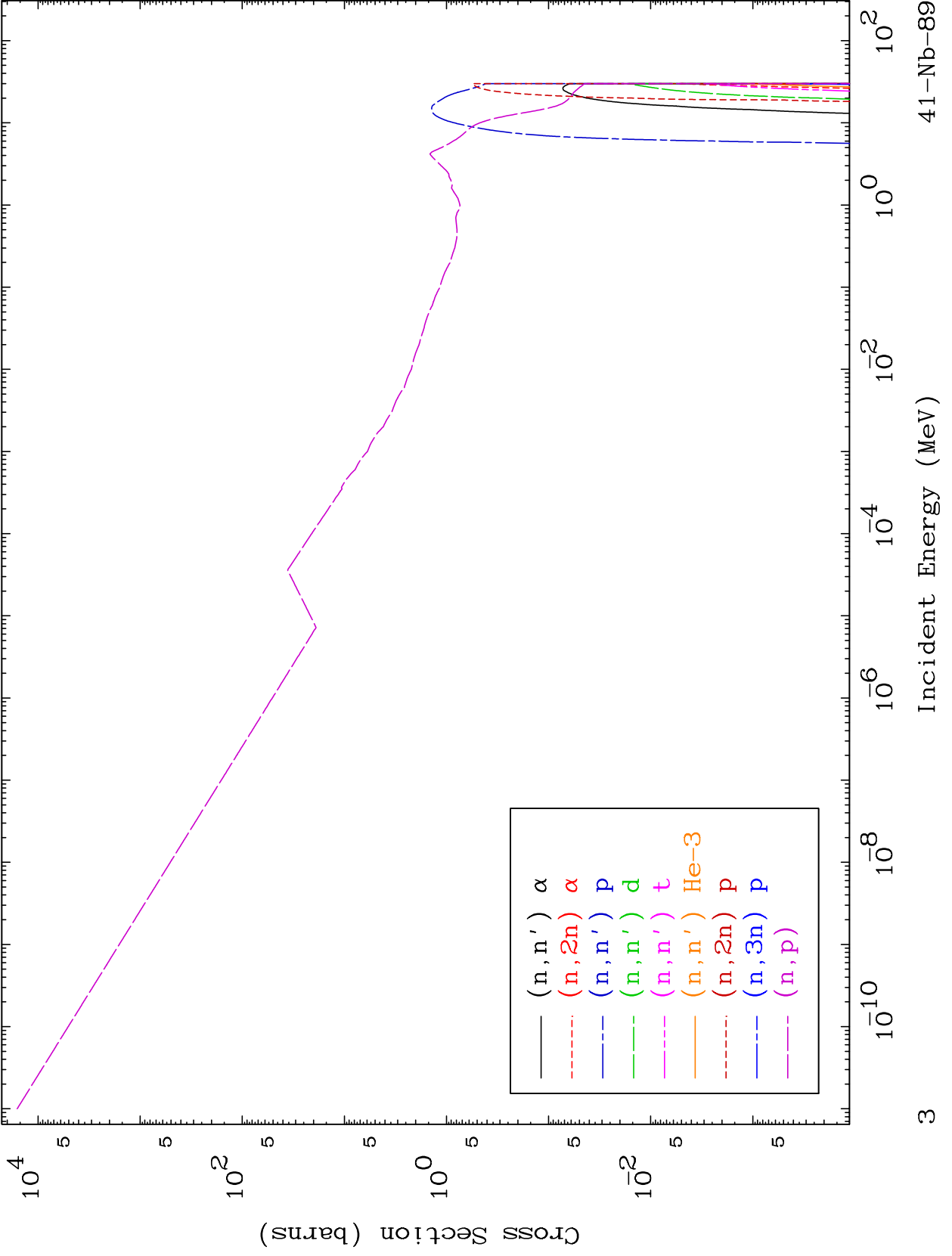




MAT 4114

Charged Particle  
293 Kelvin Cross Sections

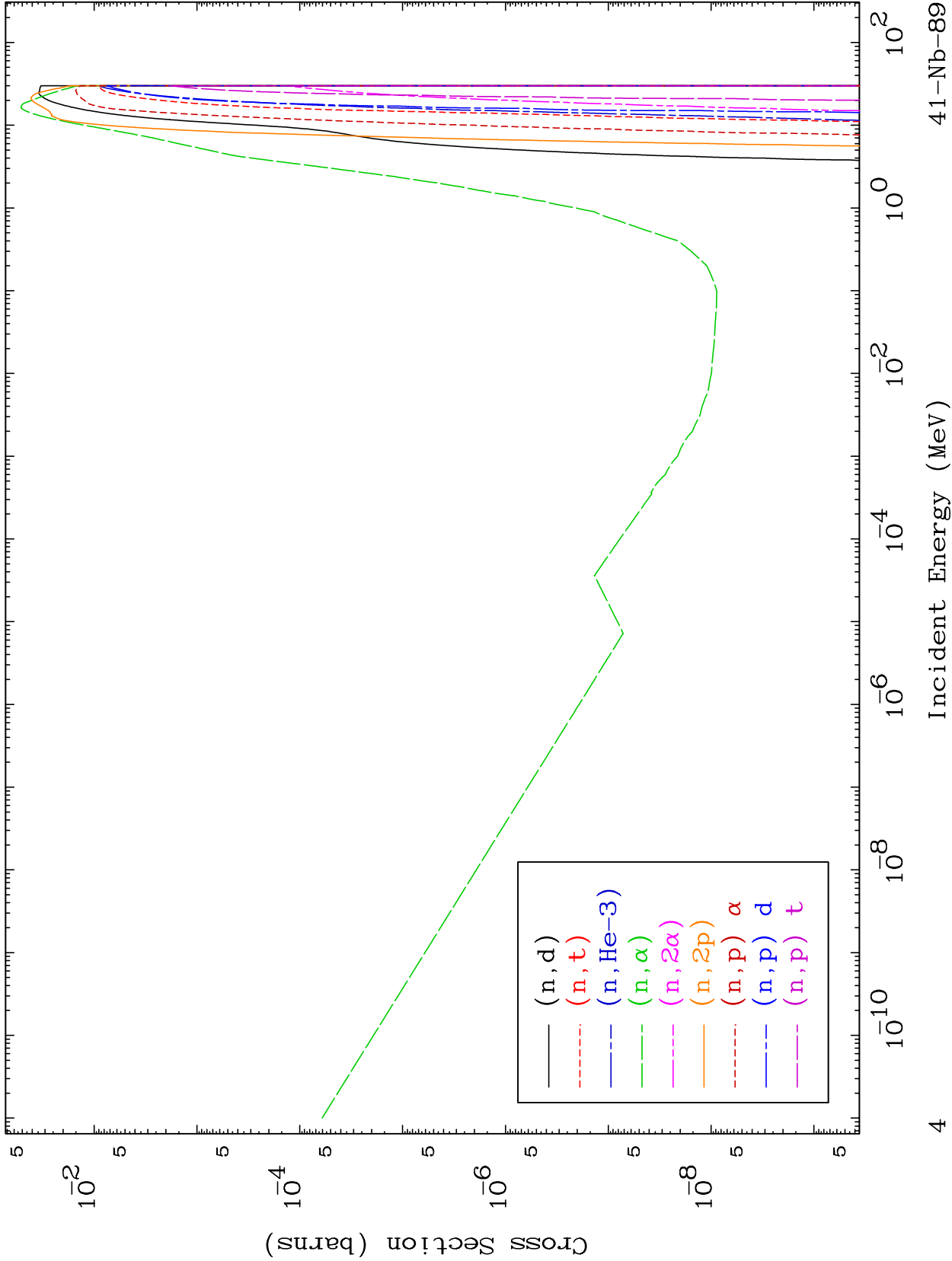
41-Nb-89



MAT 4114

Charged Particle  
293 Kelvin Cross Sections

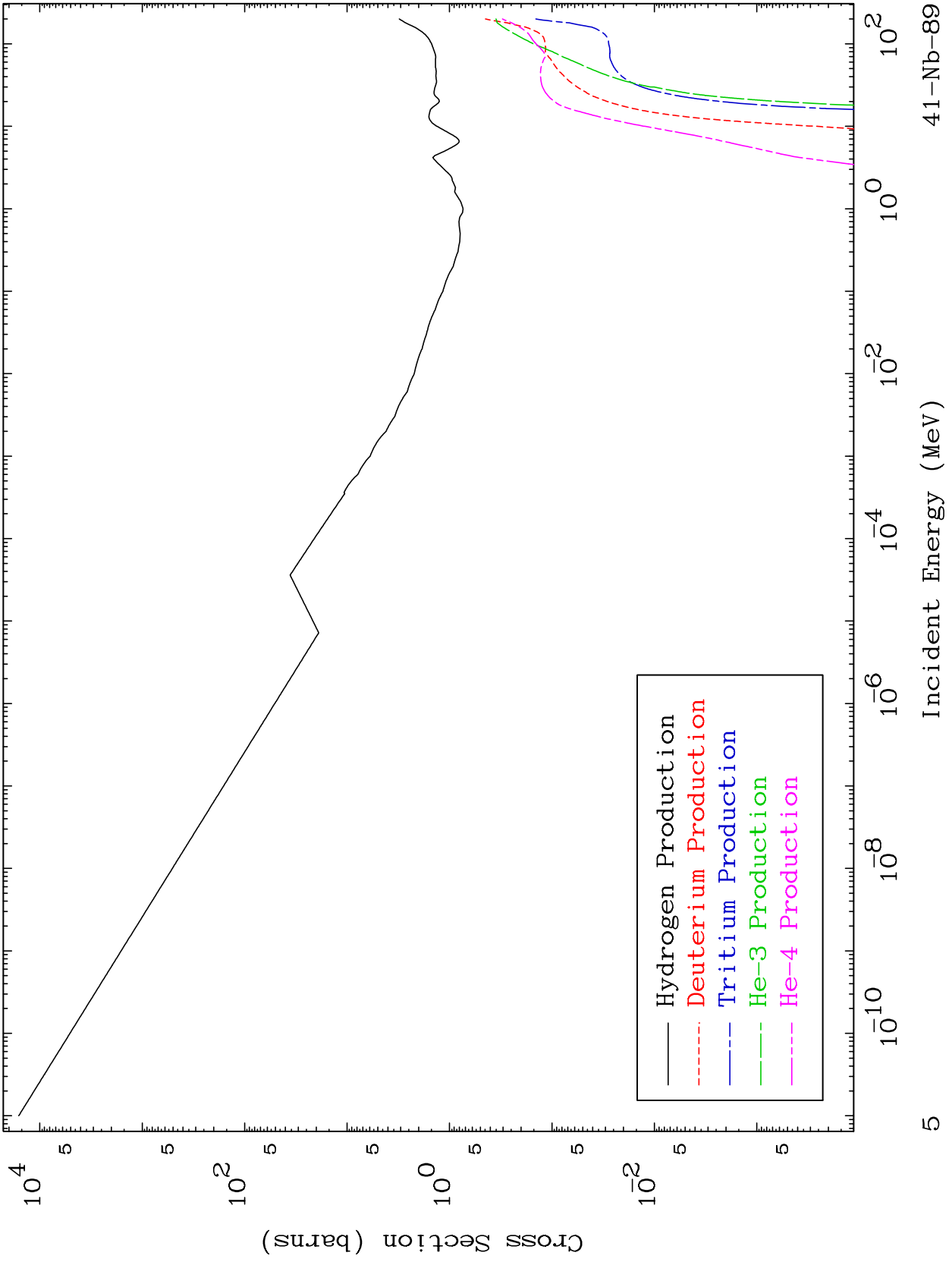
41-Nb-89



MAT 4114

Particle Production  
293 Kelvin Cross Sections

41-Nb-89

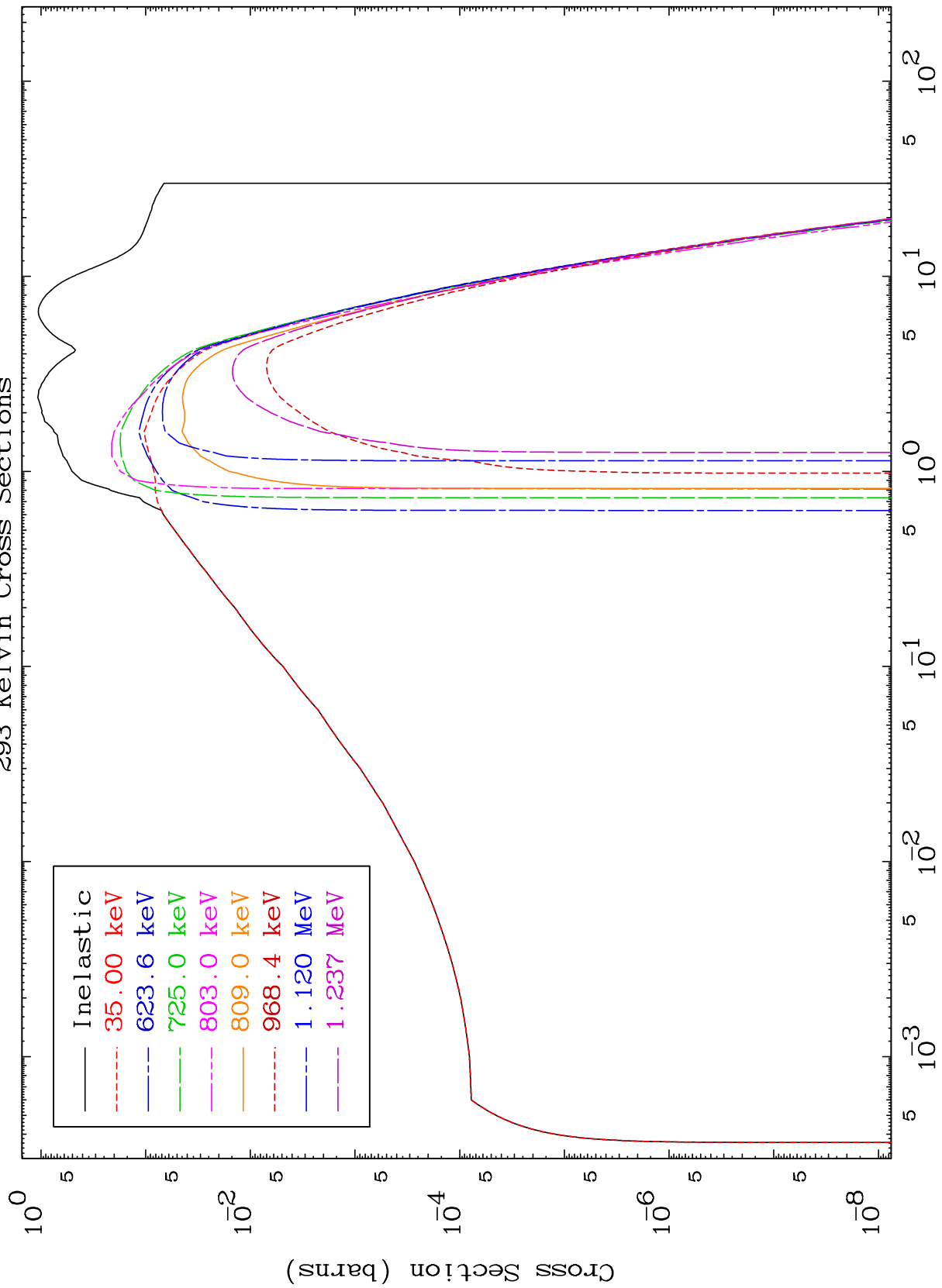


MAT 4114

(n,n') Level

41-Nb-89

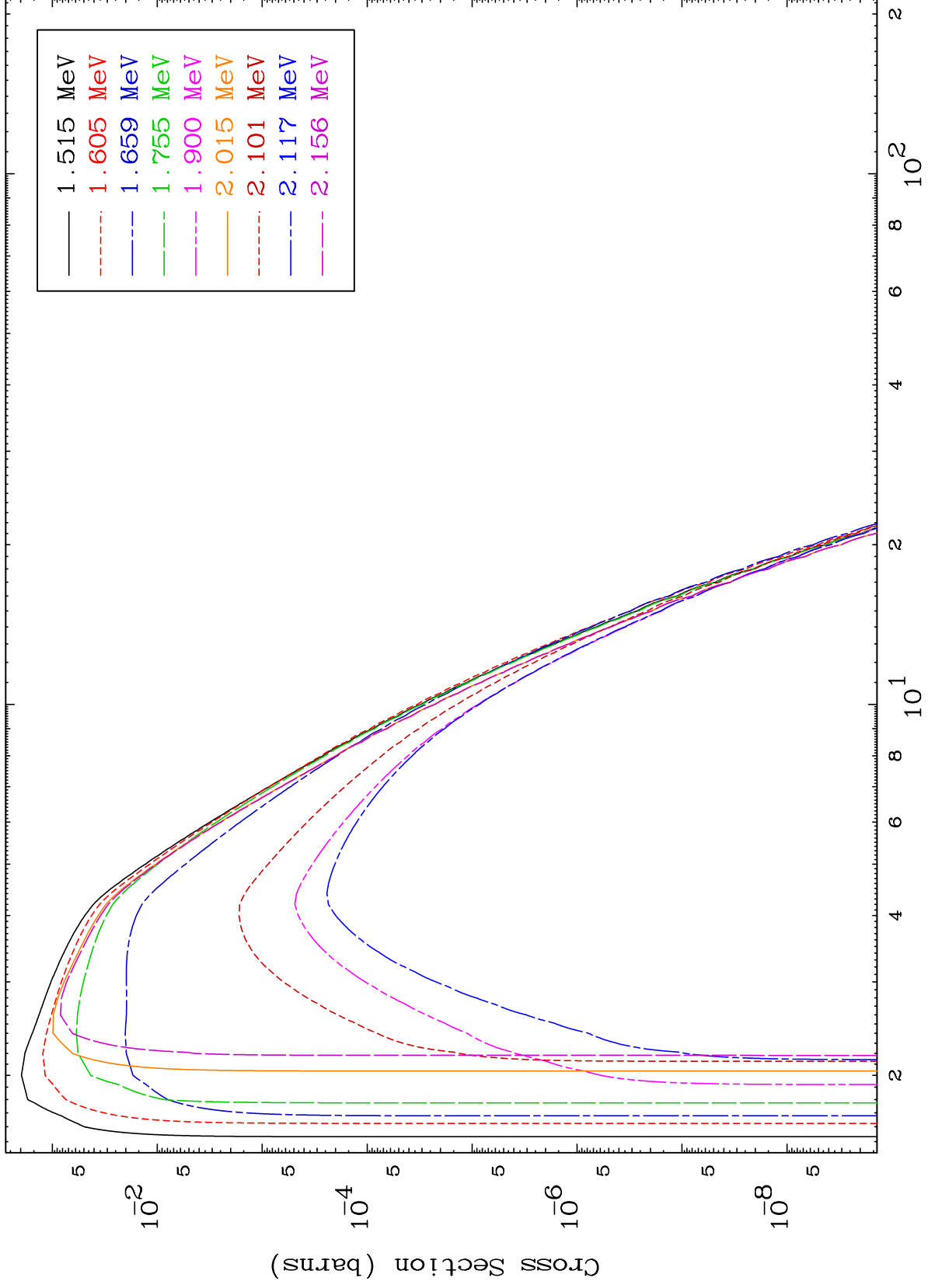
293 Kelvin Cross Sections



MAT 4114

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-89



7

Incident Energy (MeV)

41-Nb-89

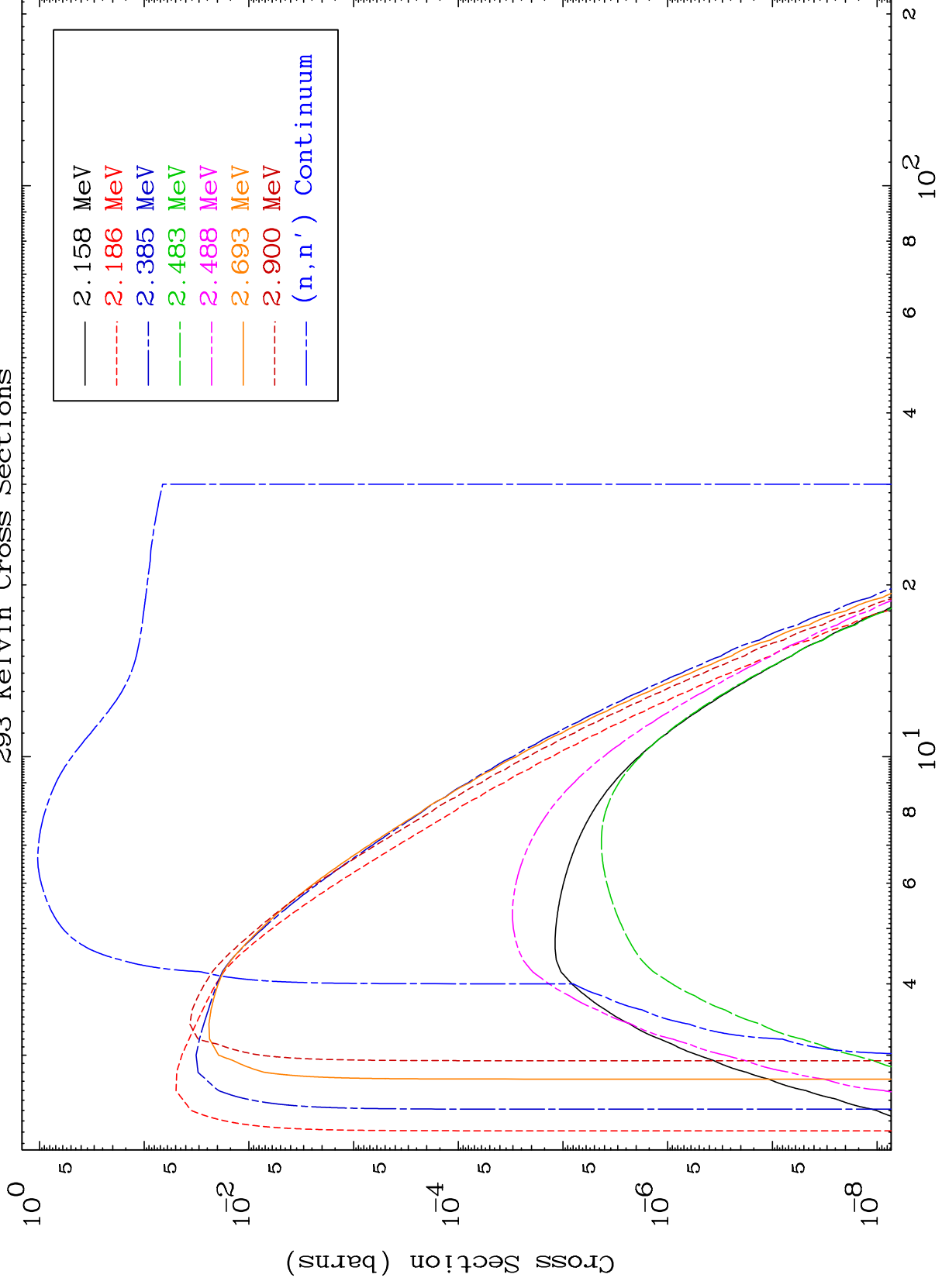


MAT 4114

(n,n') Level

41-Nb-89

293 Kelvin Cross Sections



8

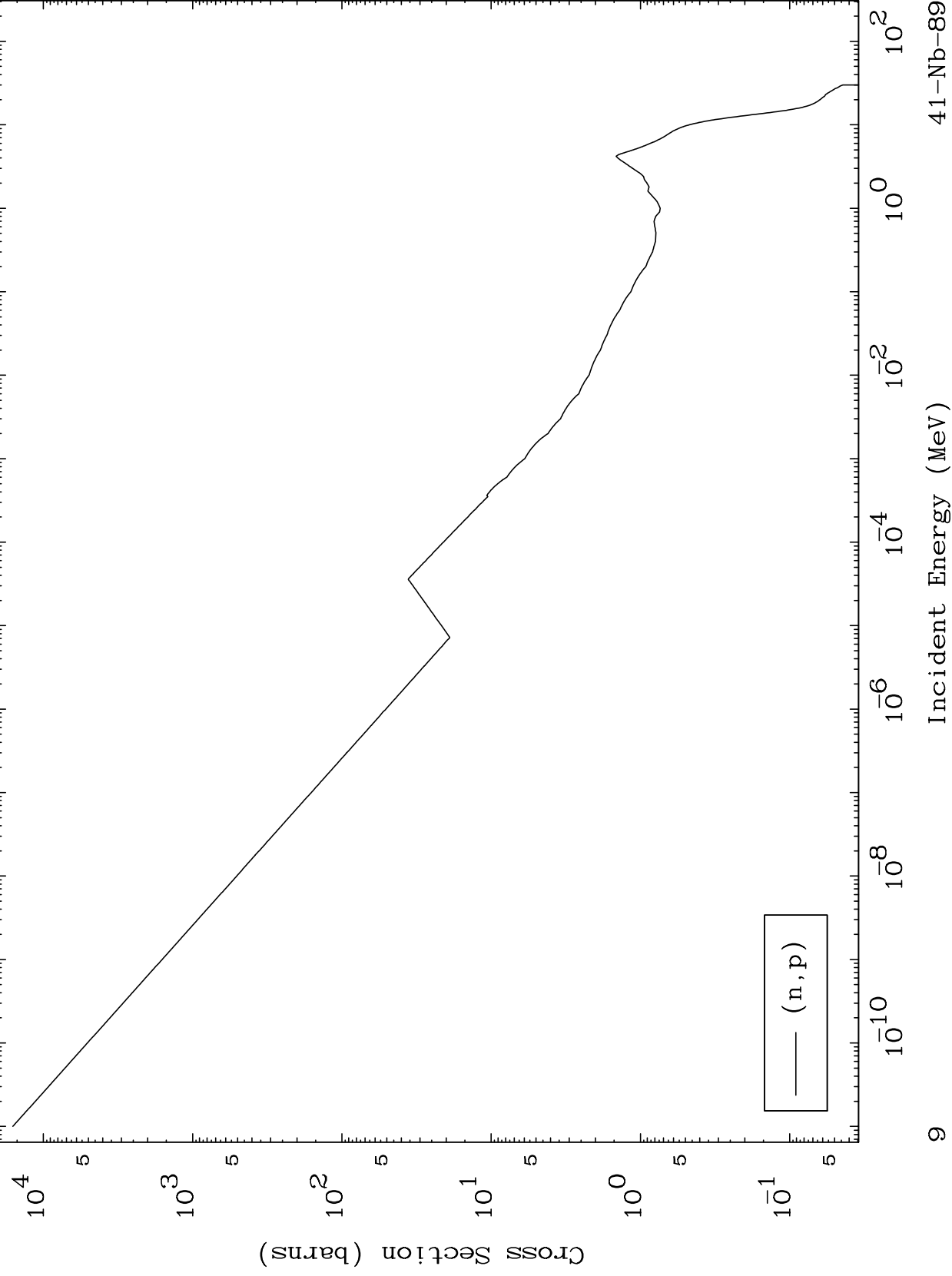
Incident Energy (MeV)

41-Nb-89

MAT 4114

(n,p) Levels  
293 Kelvin Cross Sections

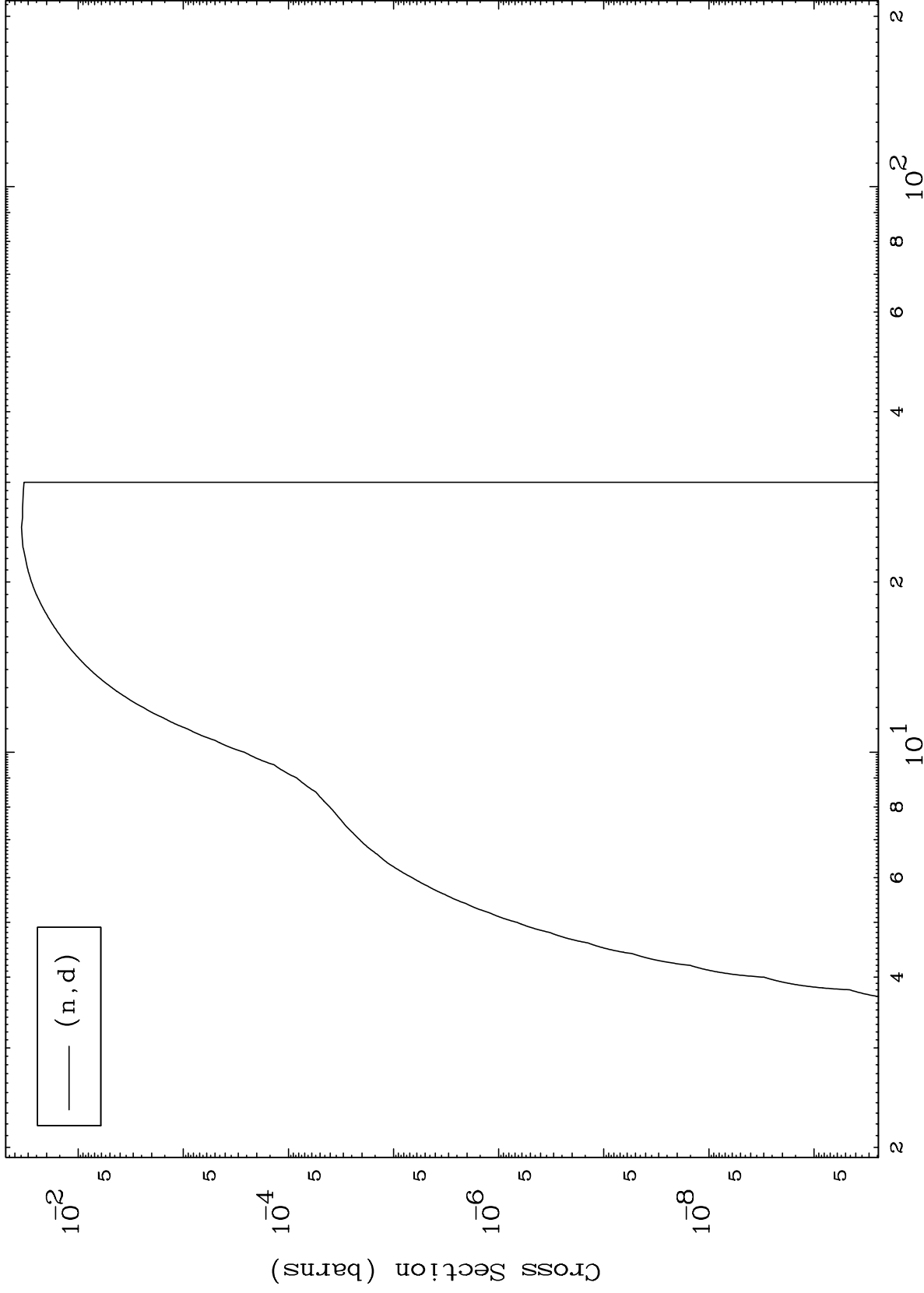
41-Nb-89



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(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-89



41-Nb-89

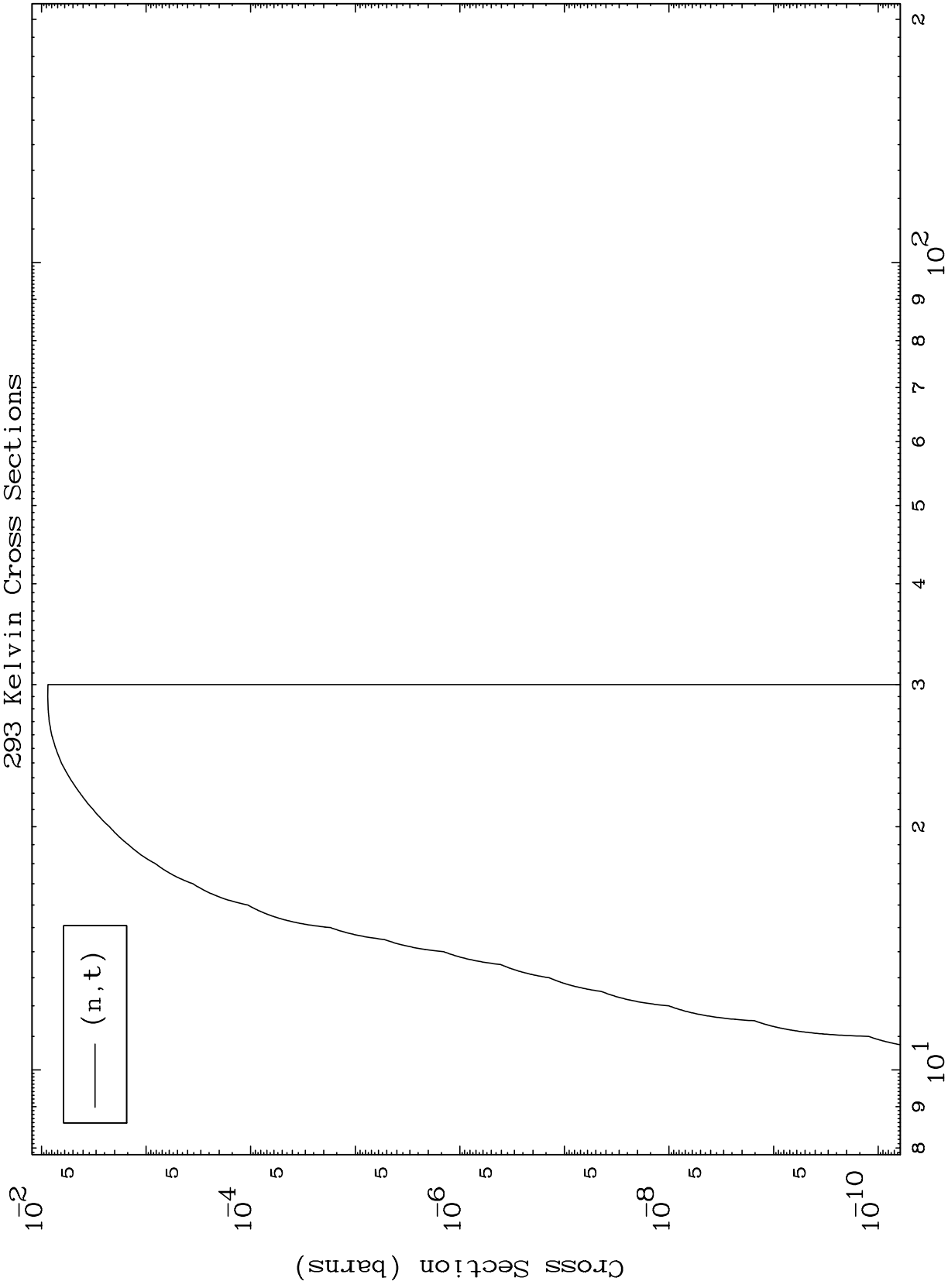
Incident Energy (MeV)

10

MAT 4114

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-89



11

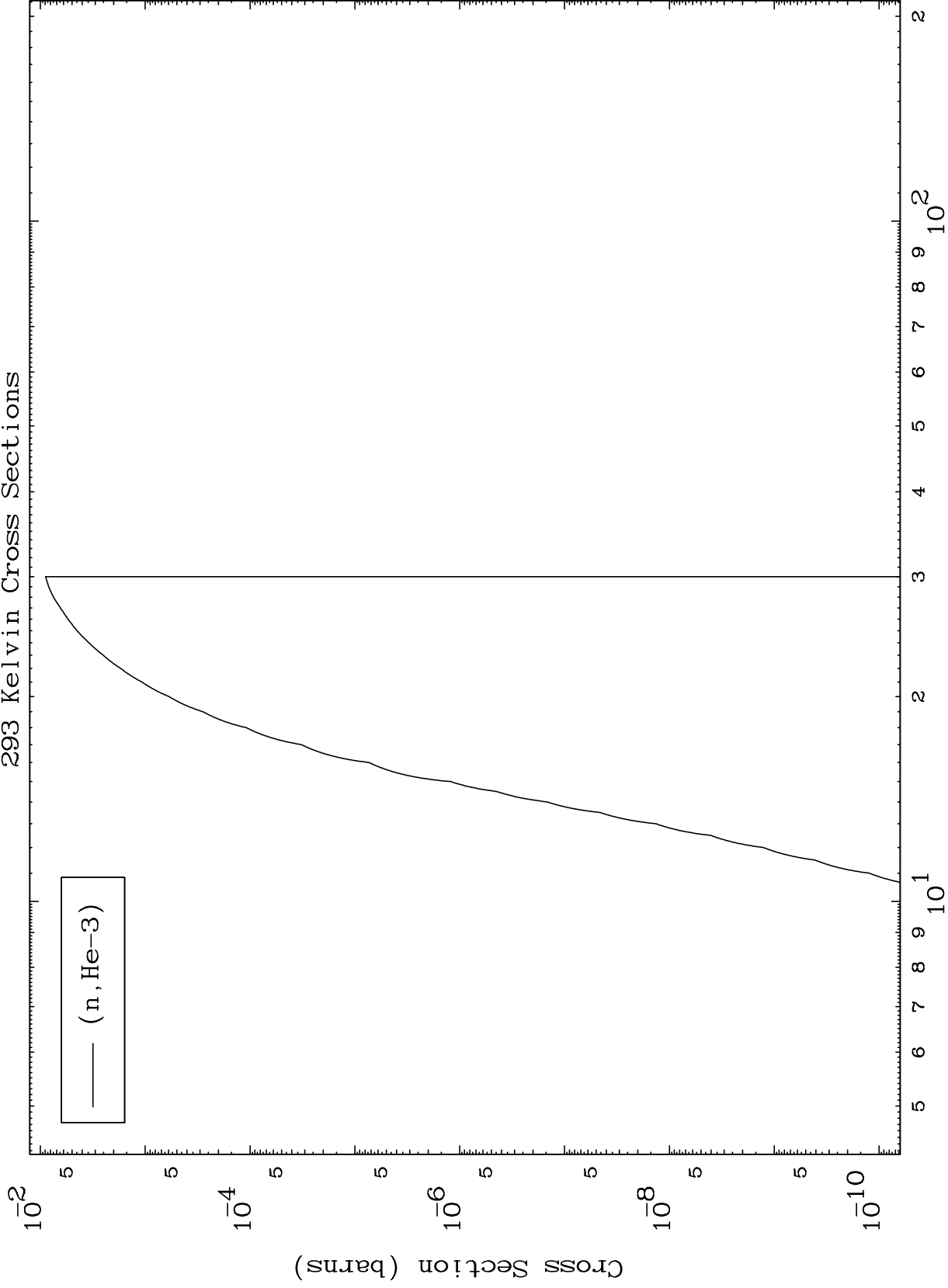
Incident Energy (MeV)

41-Nb-89

MAT 4114

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-89



12

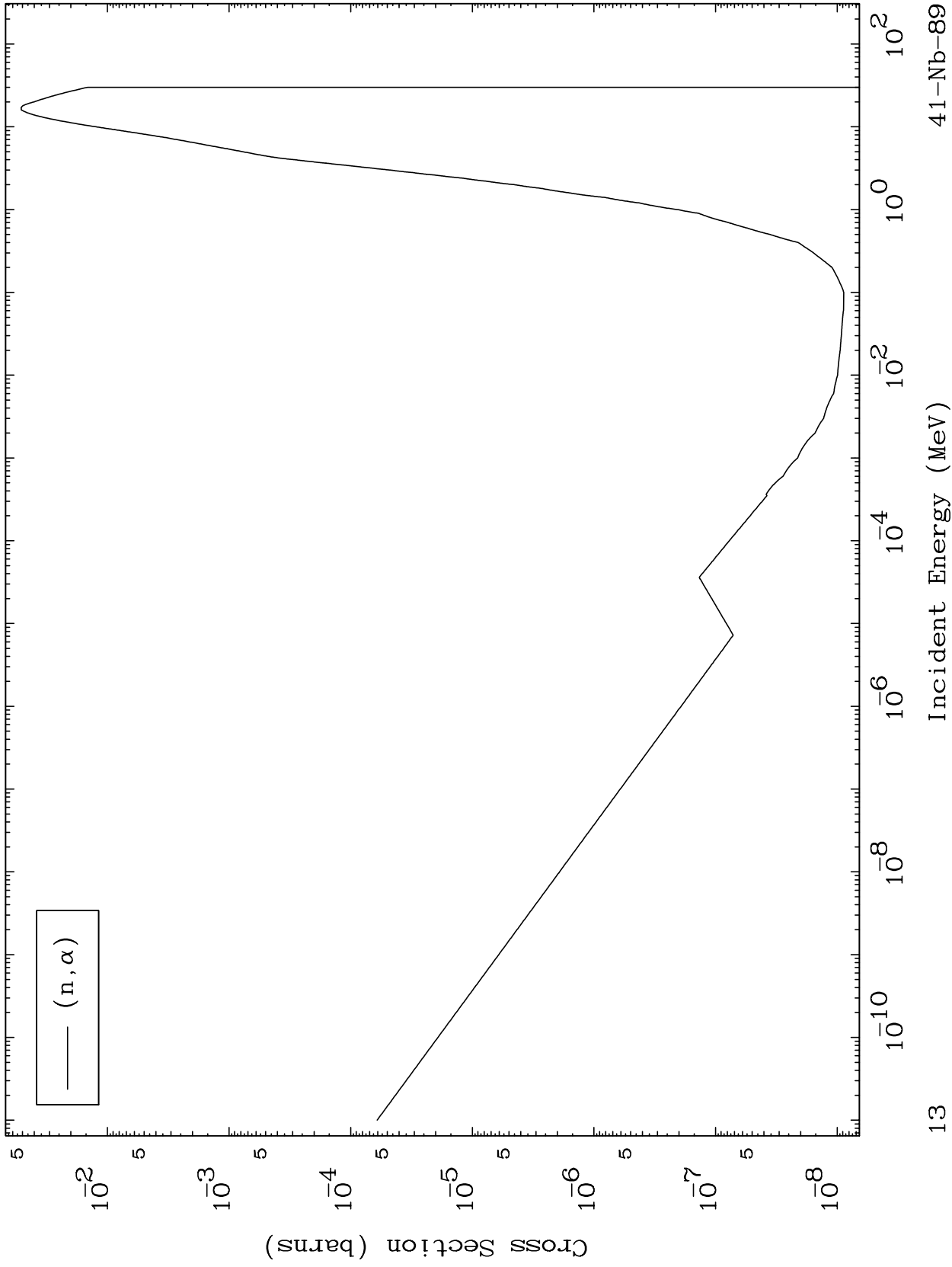
Incident Energy (MeV)

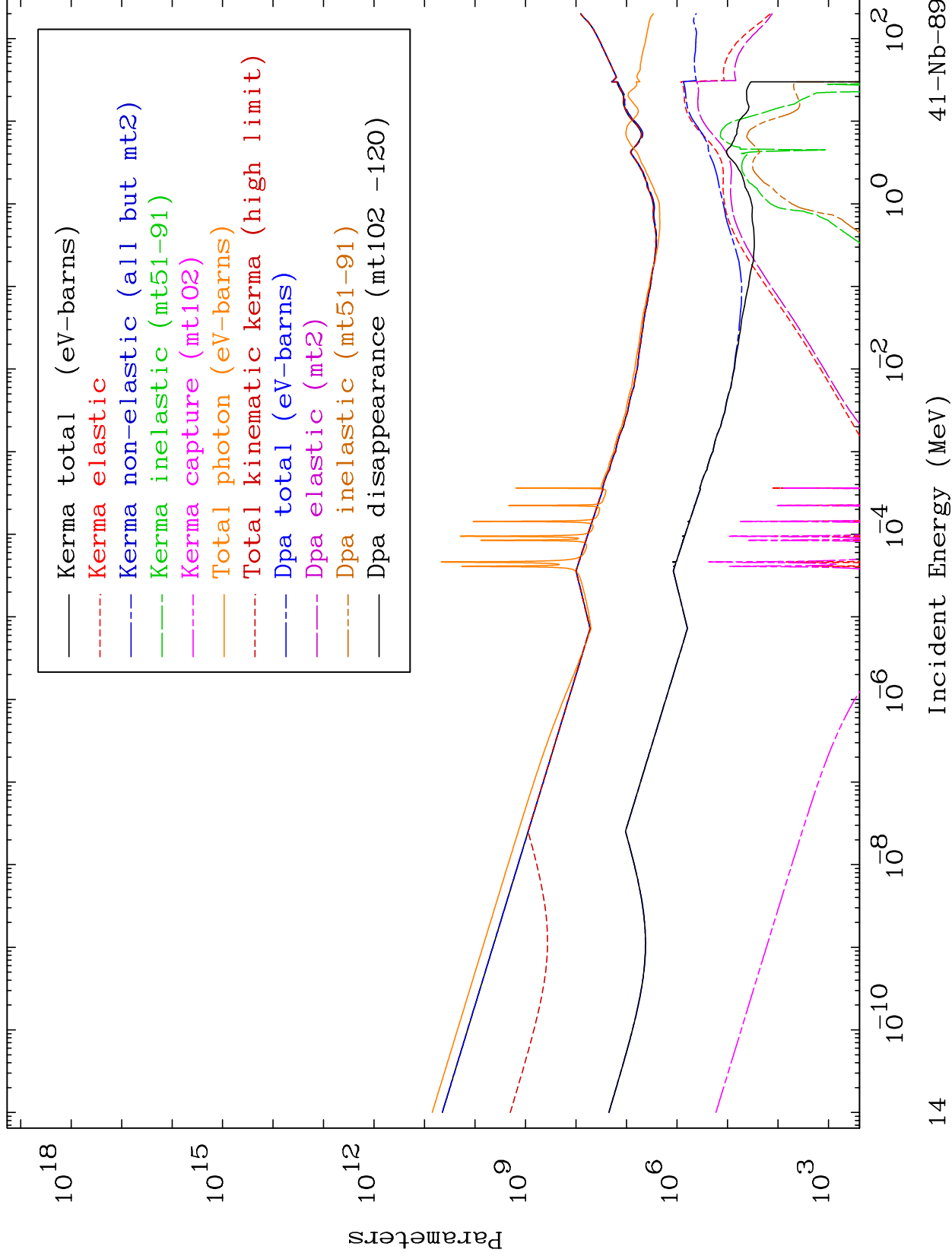
41-Nb-89

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

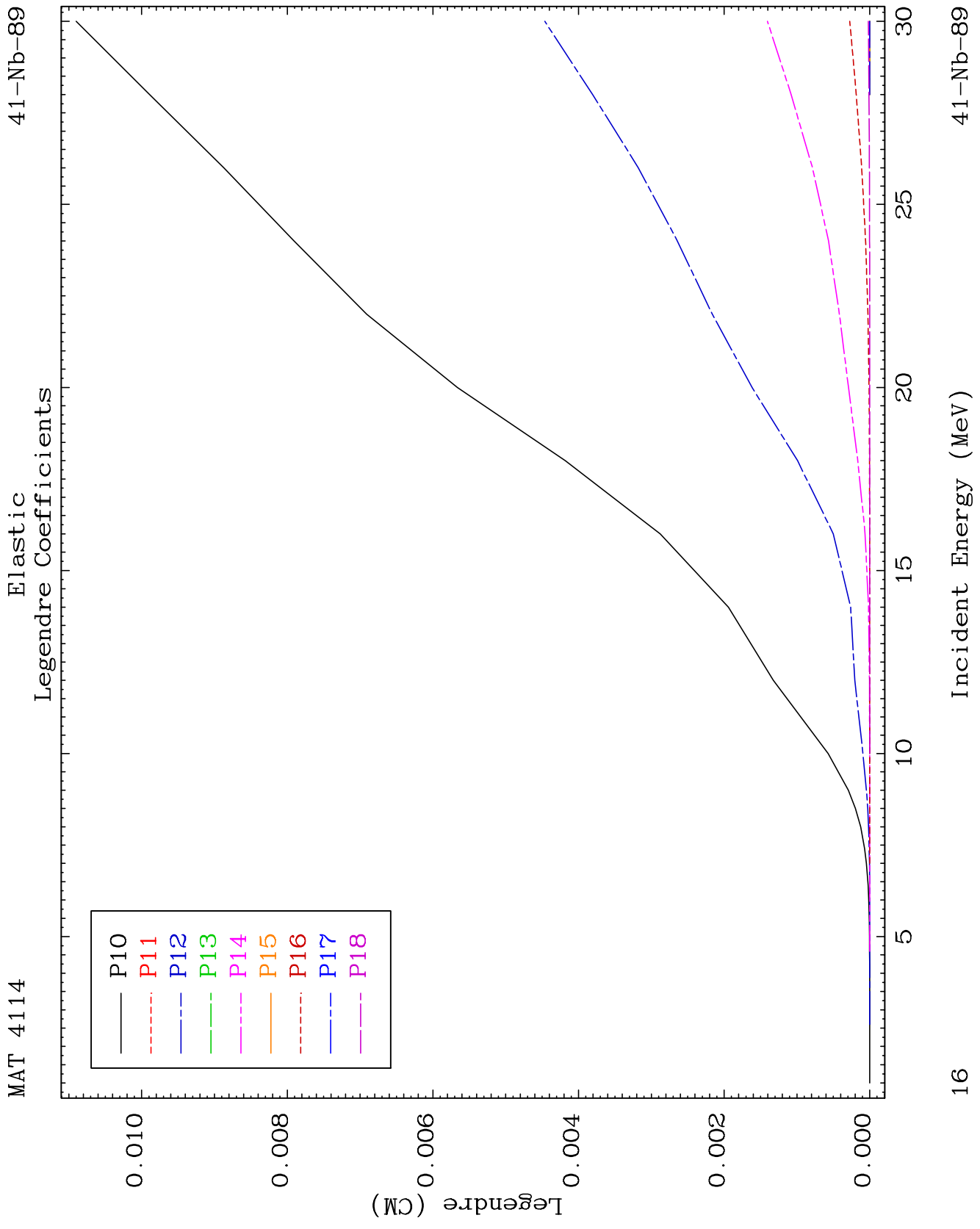
41-Nb-89











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41-Nb-89

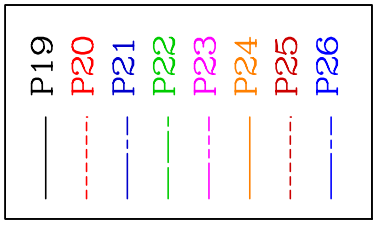
16

41-Nb-89

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Elastic Legendre Coefficients

41-Nb-89



$\times 10^{-6}$   
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

Legendre (CM)

15

20

25

30

17

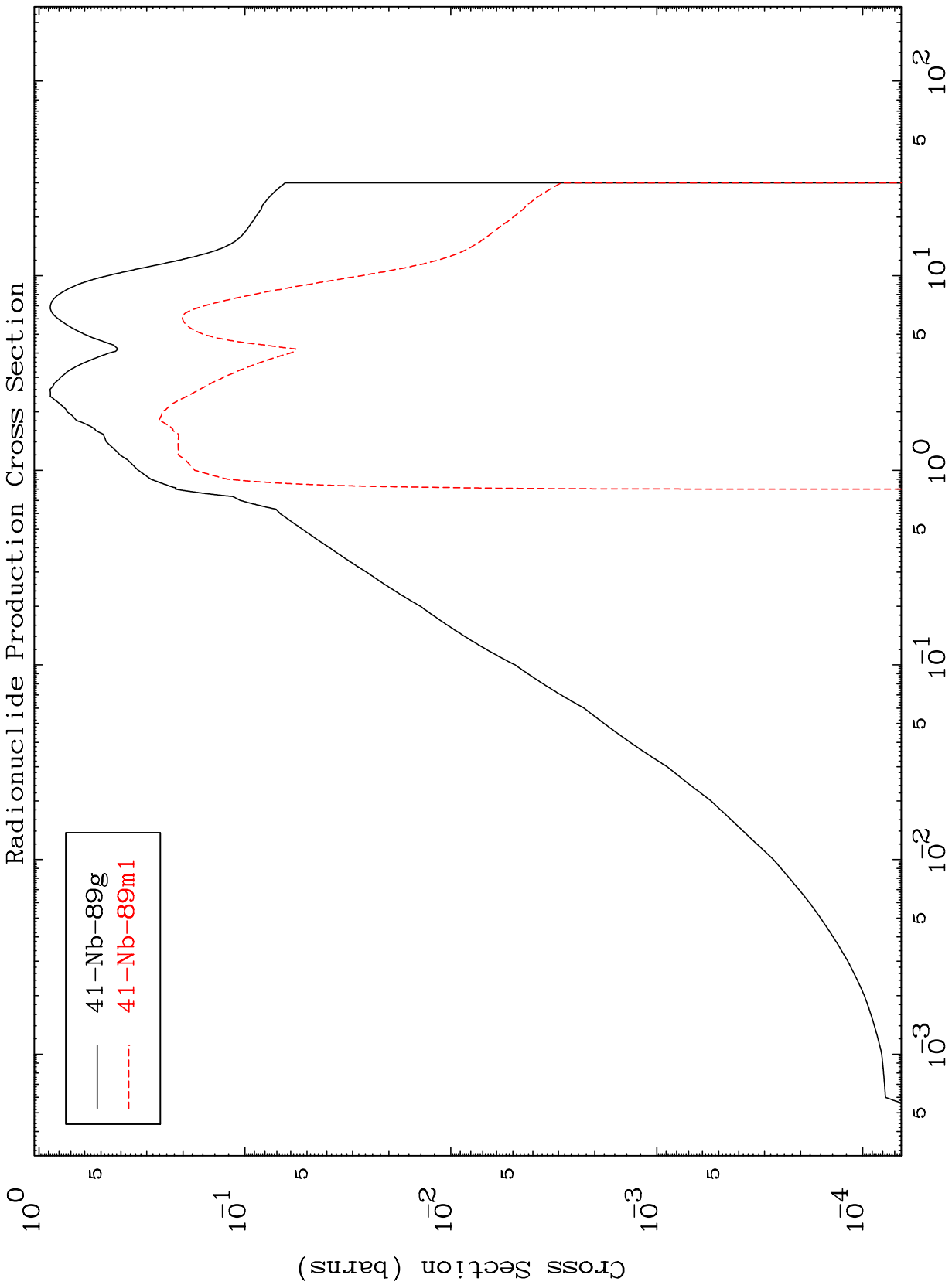
Incident Energy (MeV)

41-Nb-89

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41-Nb-89

Inelastic  
Radionuclide Production Cross Section



18

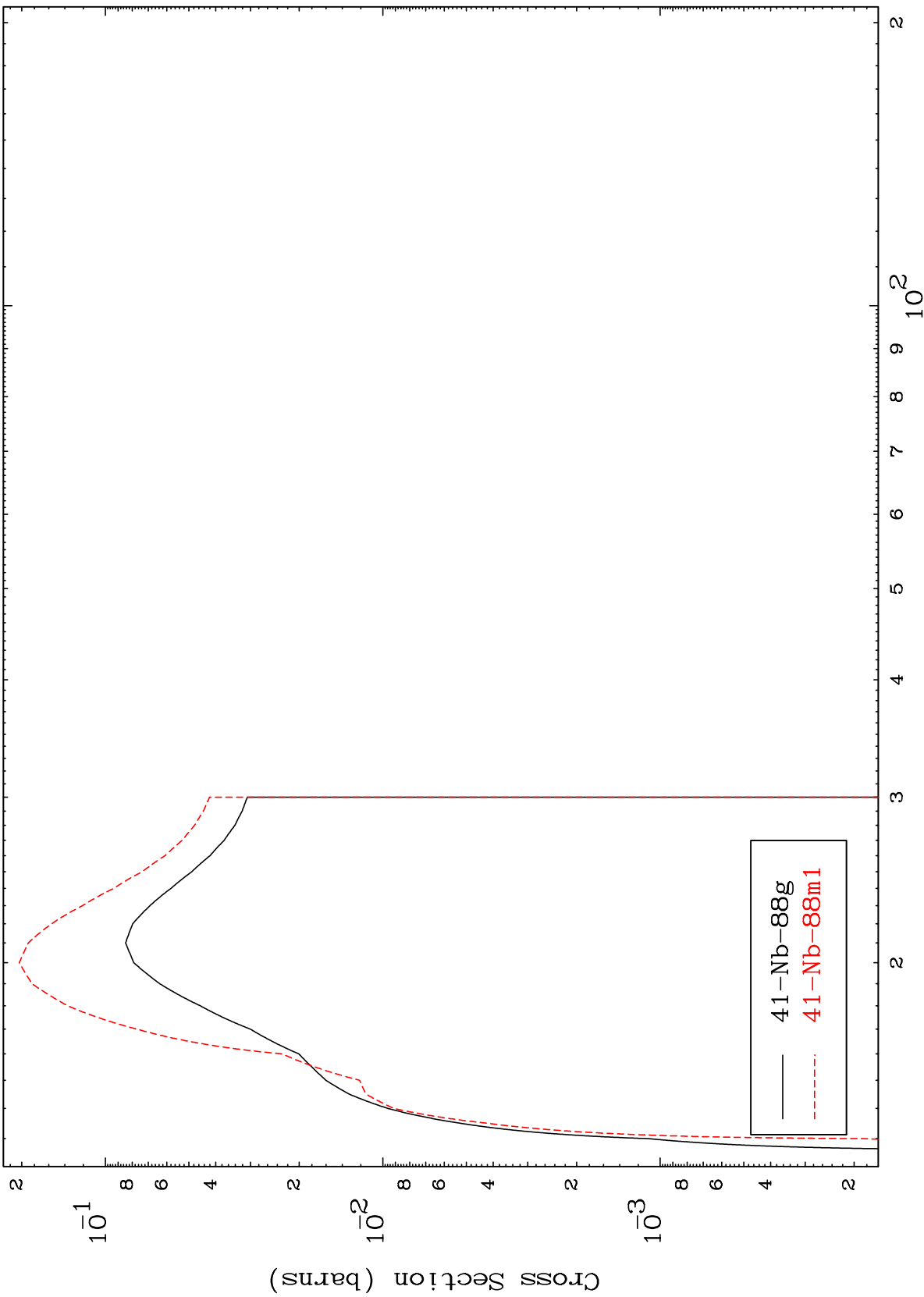
41-Nb-89

Incident Energy (MeV)

MAT 4114

41-Nb-89

(n,2n)  
Radionuclide Production Cross Section



19

41-Nb-89

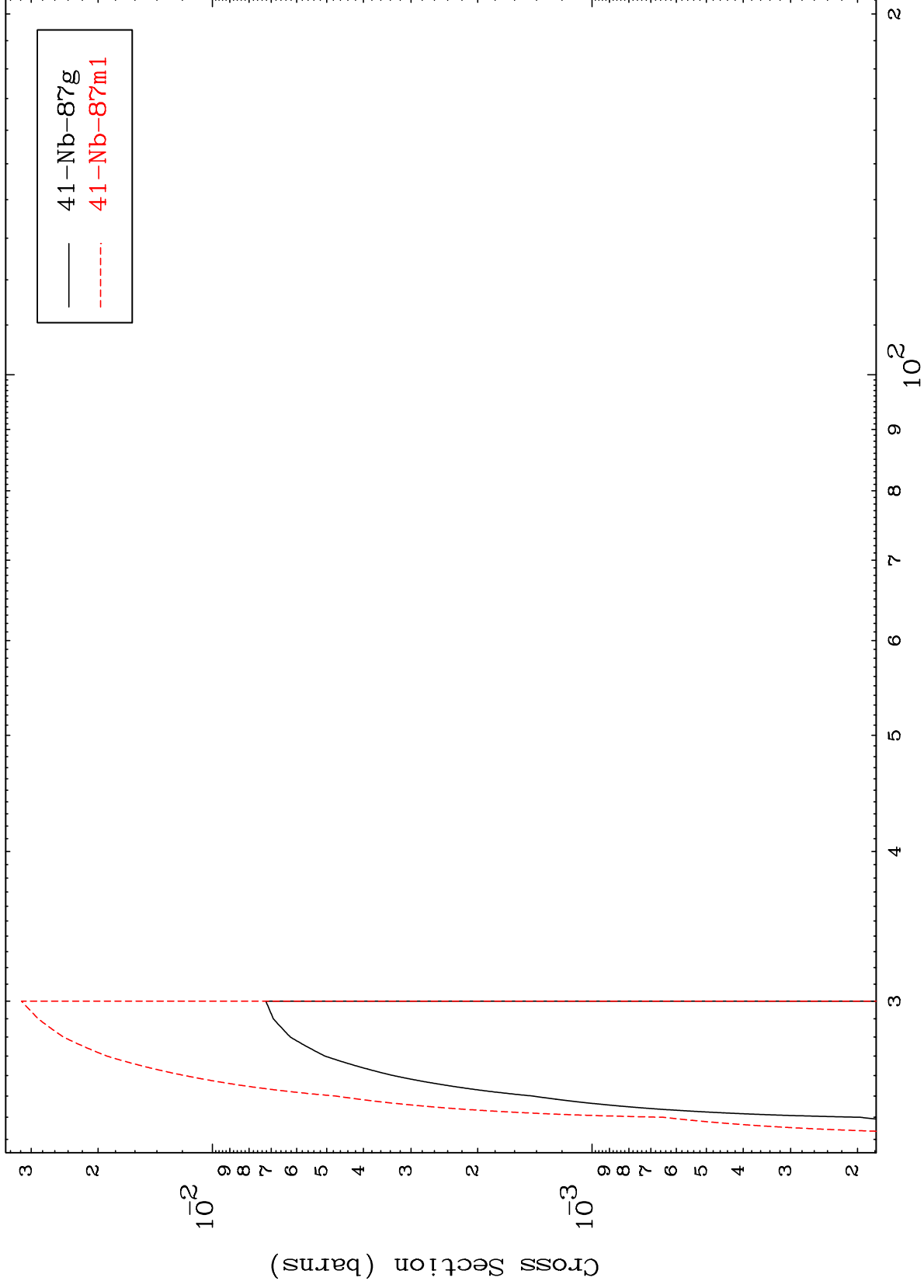
Incident Energy (MeV)

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(n,3n)

41-Nb-89

Radionuclide Production Cross Section



20

Incident Energy (MeV)

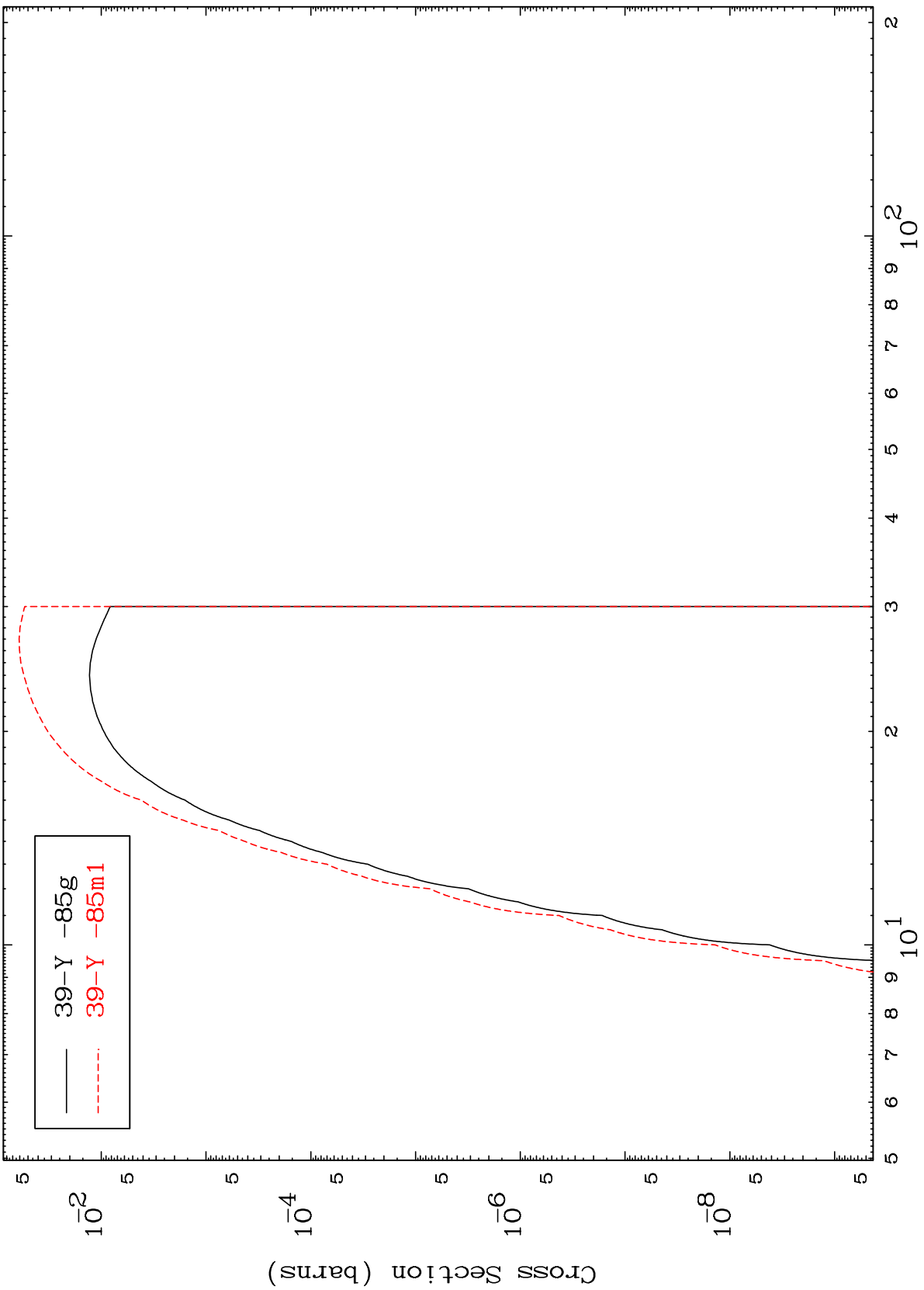
41-Nb-89

MAT 4114

41-Nb-89

(n,n')  $\alpha$

Radionuclide Production Cross Section



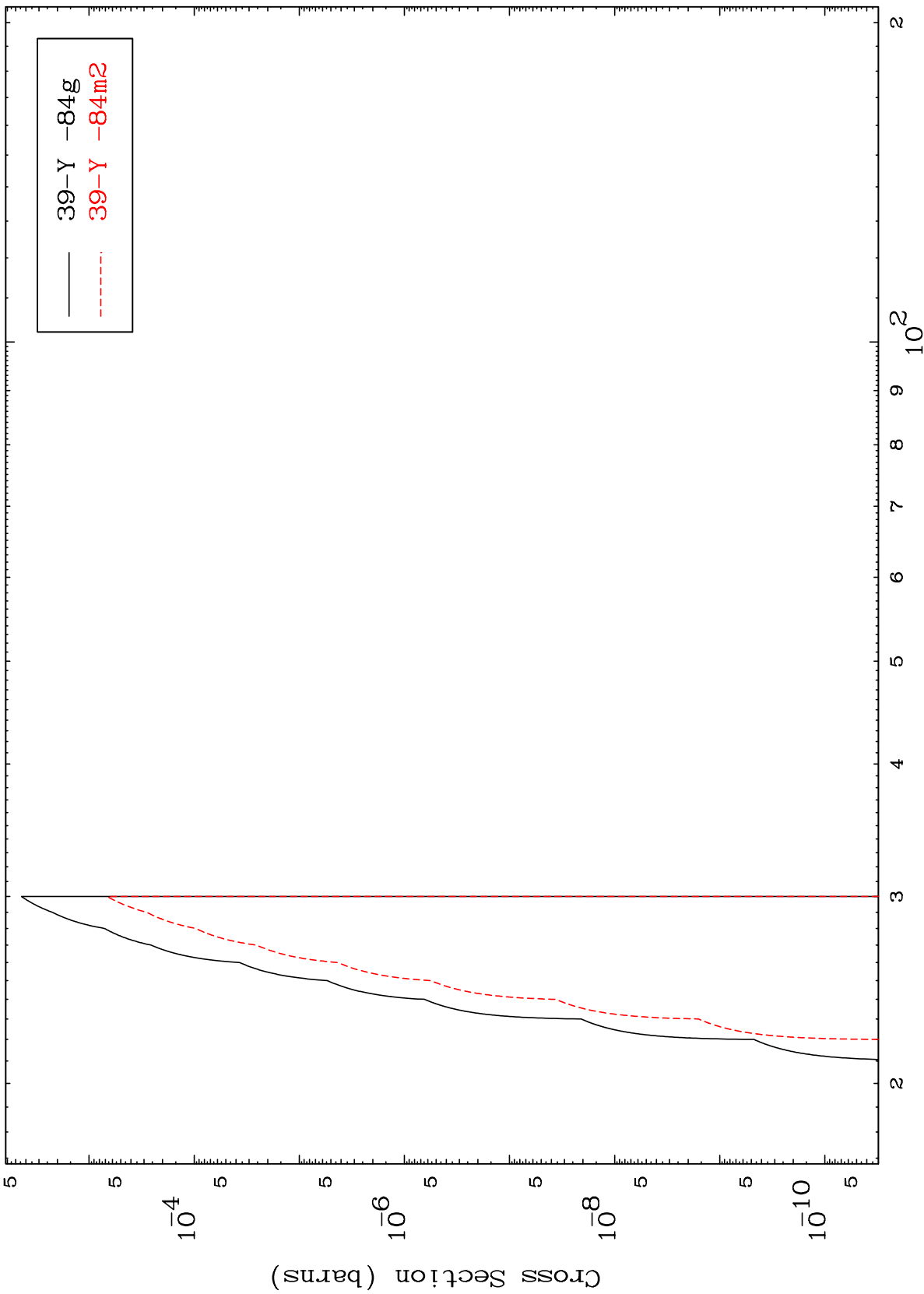
— 39-Y -85g  
- - - 39-Y -85m1

MAT 4114

(n,2n)  $\alpha$

41-Nb-89

Radionuclide Production Cross Section



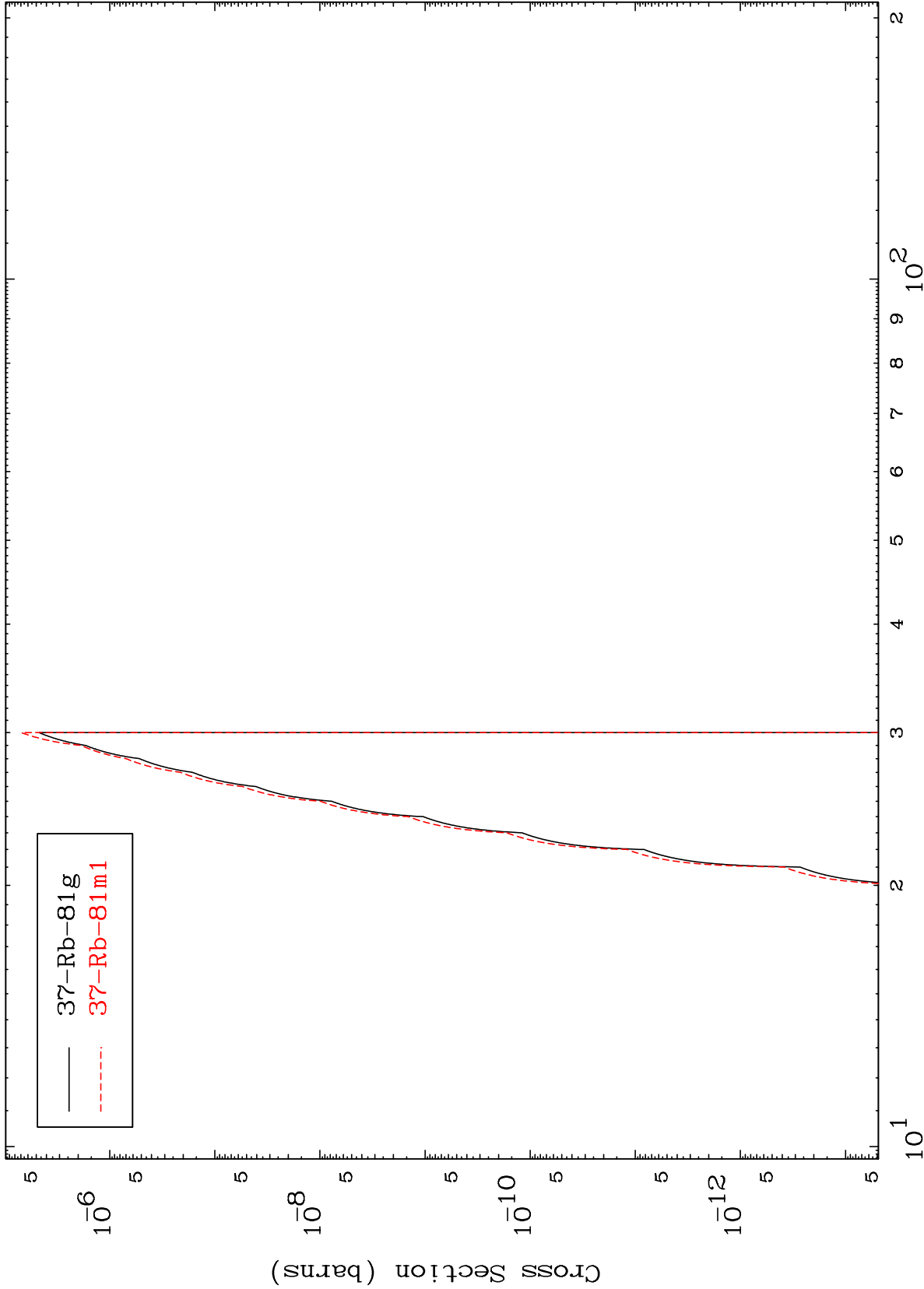
39-Y -84g  
39-Y -84m2

MAT 4114

(n,n') 2α

41-Nb-89

Radionuclide Production Cross Section



— 37-Rb-81g  
- - - 37-Rb-81m1

Incident Energy (MeV)

41-Nb-89

23

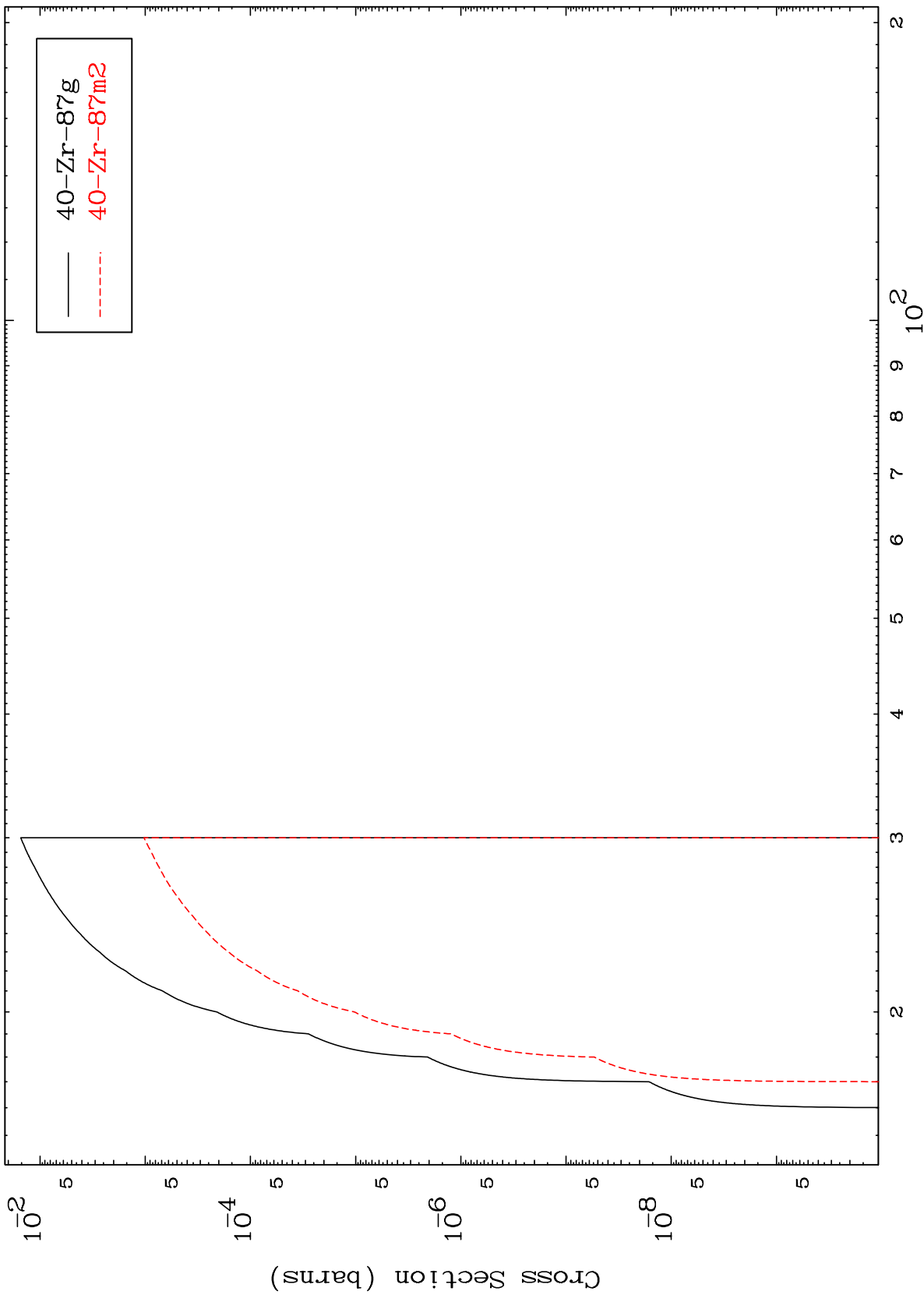


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(n,n') d

41-Nb-89

Radionuclide Production Cross Section

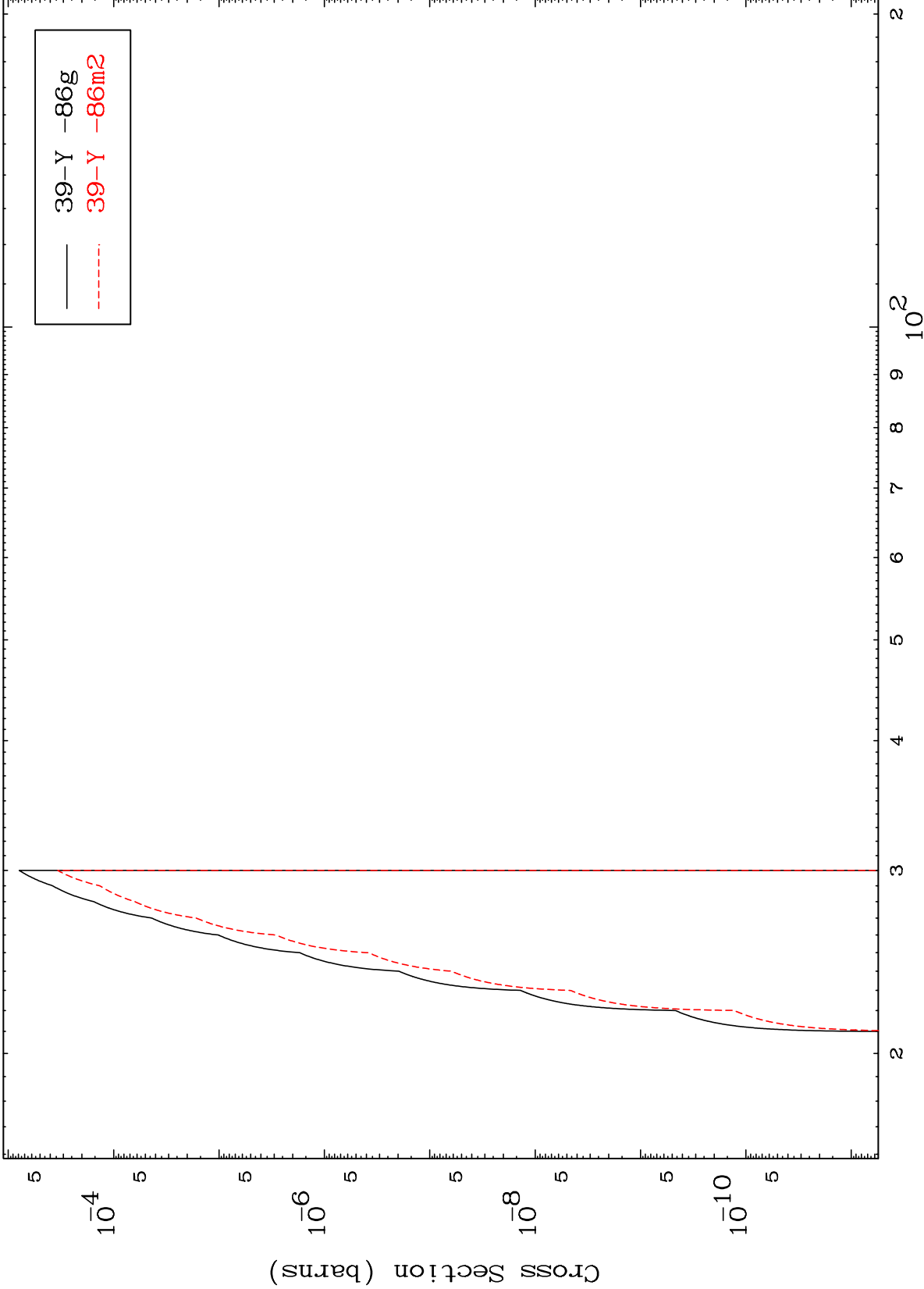


24

Incident Energy (MeV)

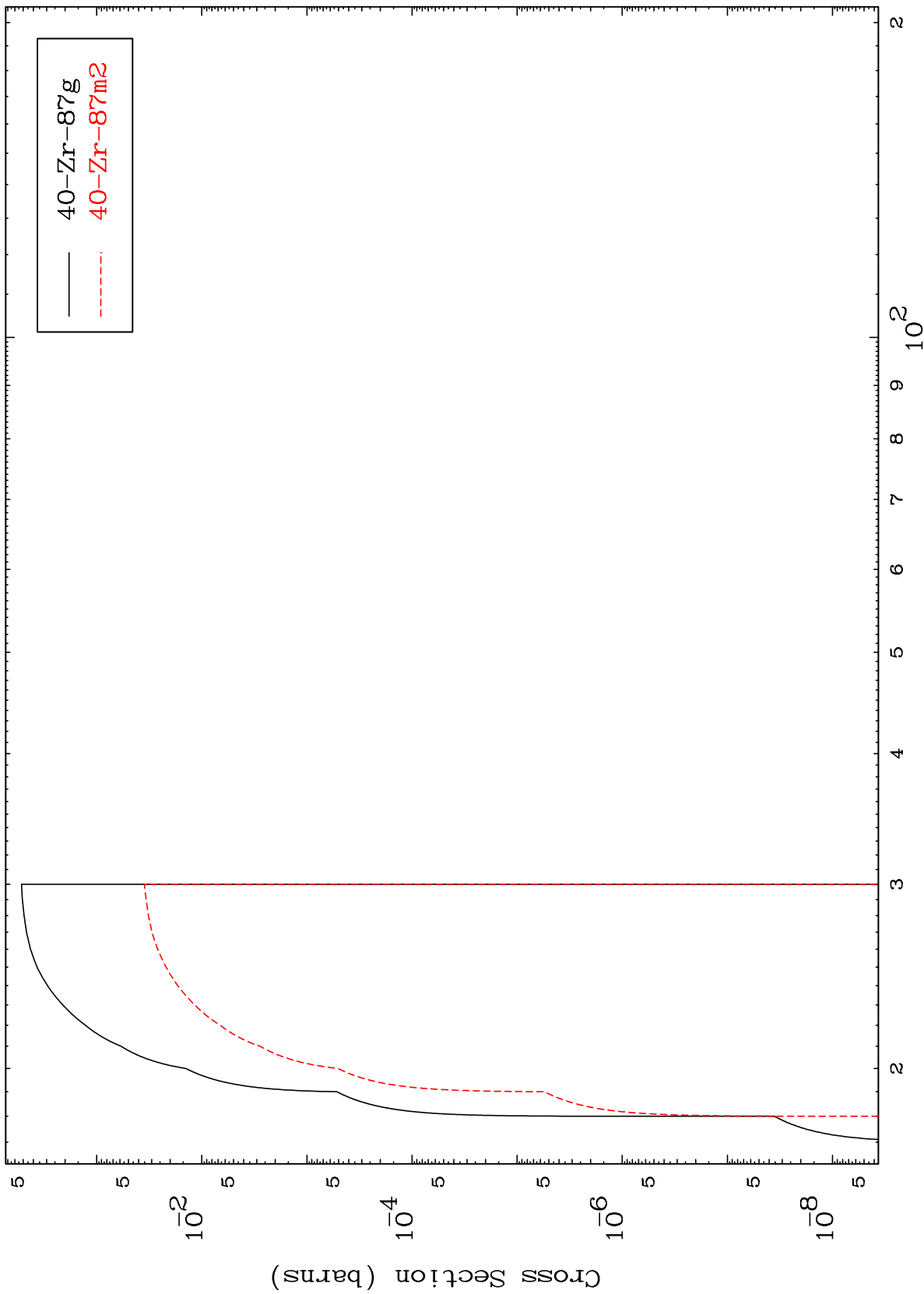
41-Nb-89

Radionuclide Production Cross Section

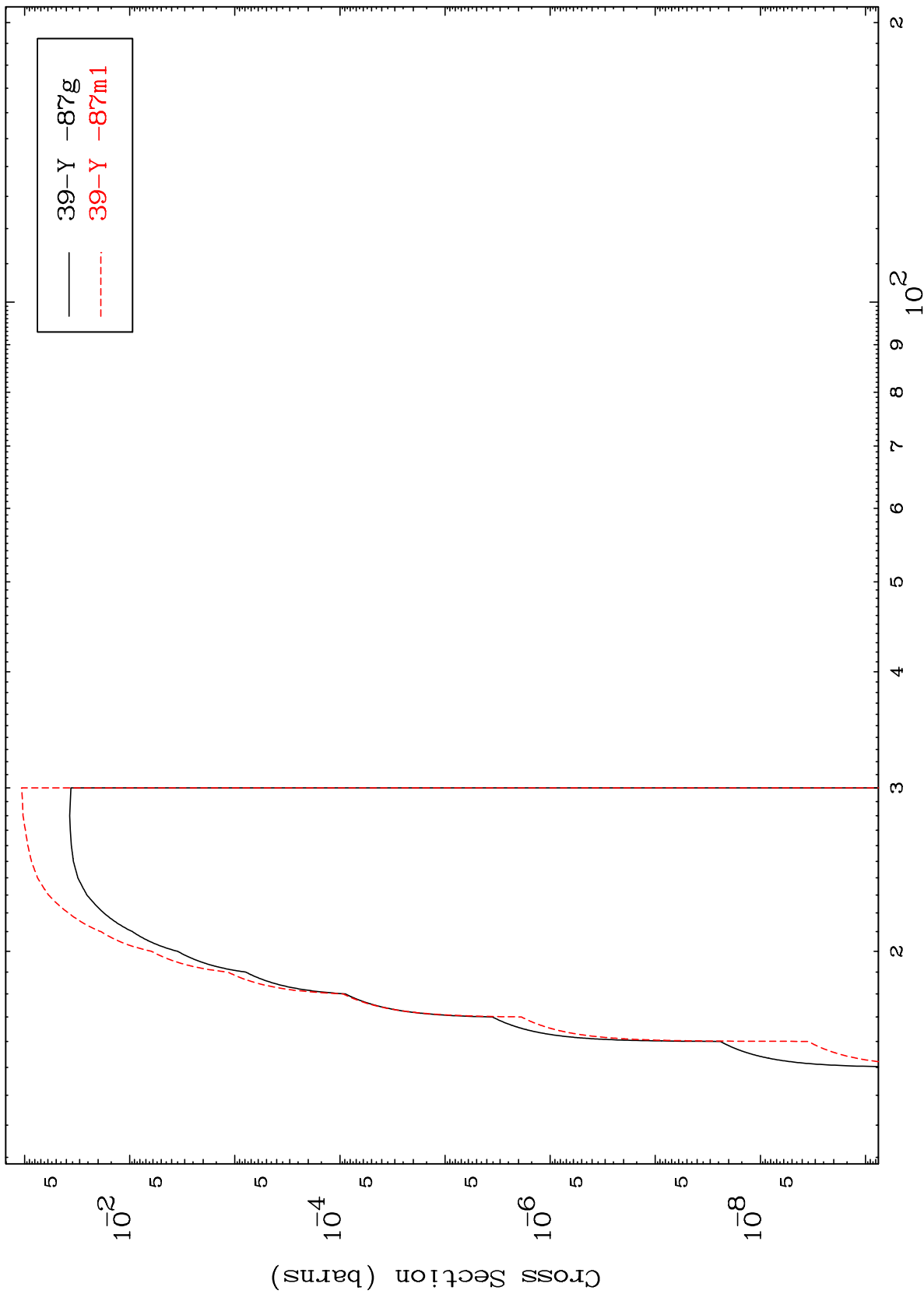


— 39-Y -86g  
- - - 39-Y -86m2

Radionuclide Production Cross Section



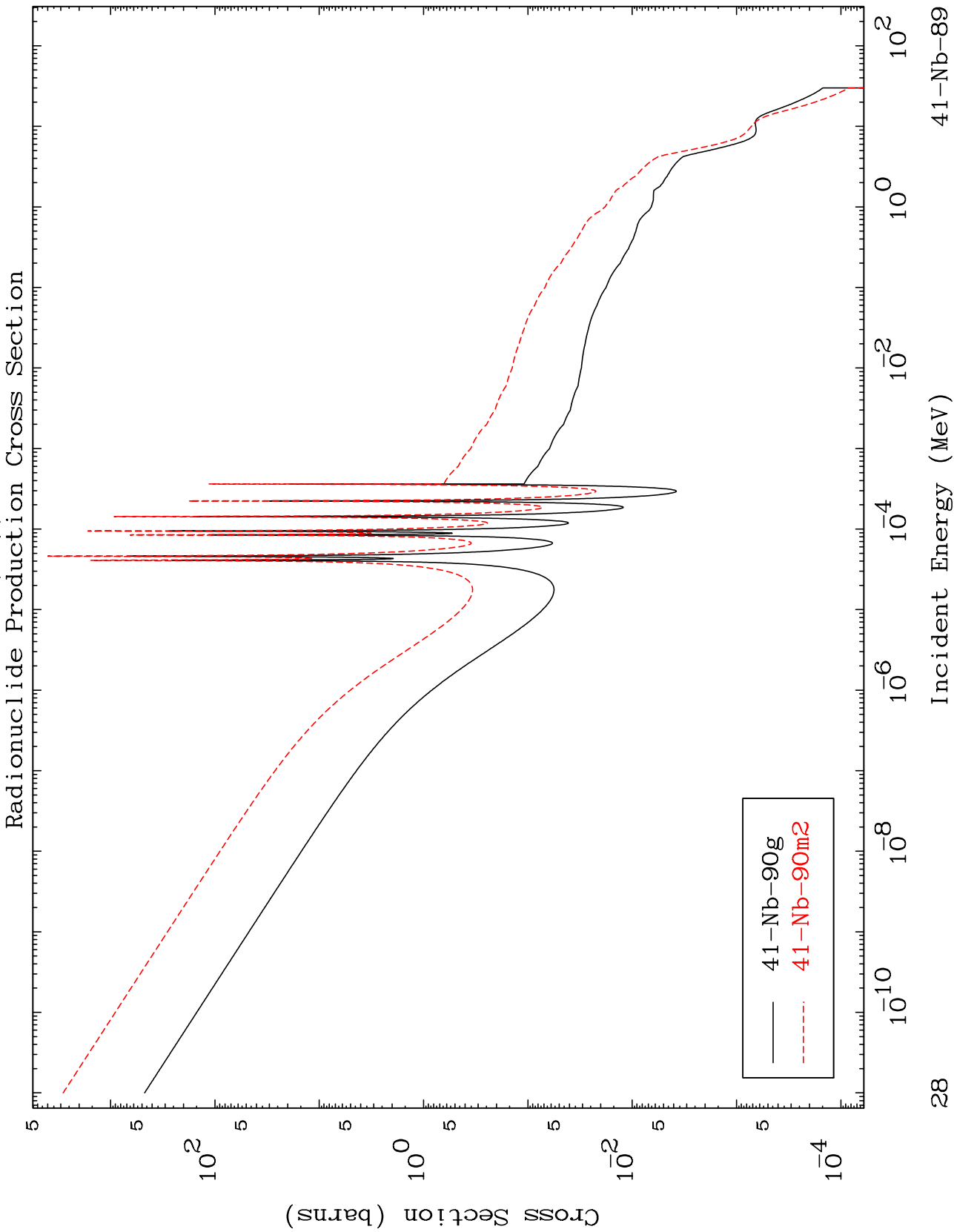
Radionuclide Production Cross Section



39-Y -87g  
39-Y -87m1

MAT 4114

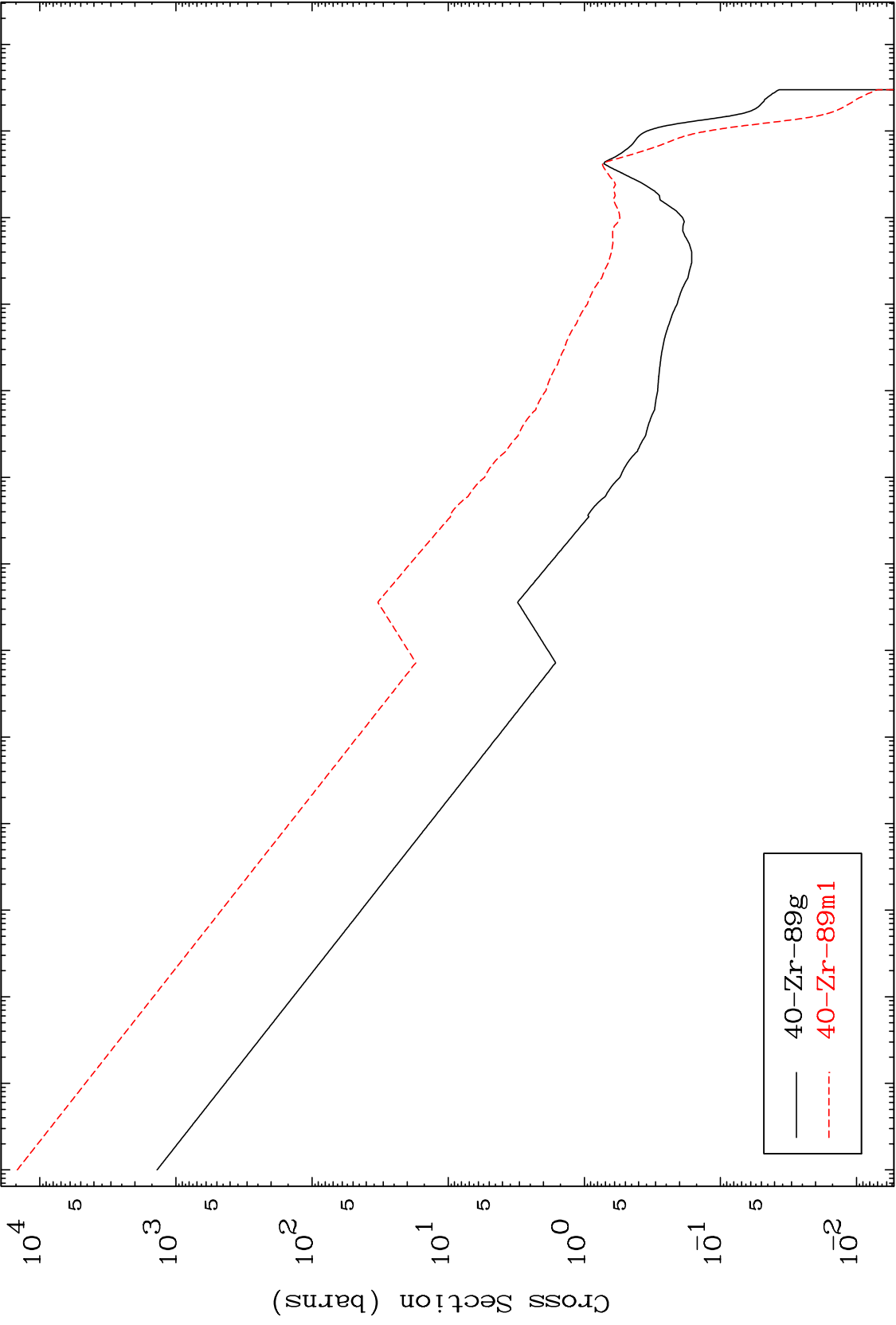
41-Nb-89



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41-Nb-89

(n,p)  
Radionuclide Production Cross Section



41-Nb-89

$10^2$

$10^0$

$10^{-2}$

$10^{-4}$

$10^{-6}$

$10^{-8}$

$10^{-10}$

Incident Energy (MeV)

41-Nb-89

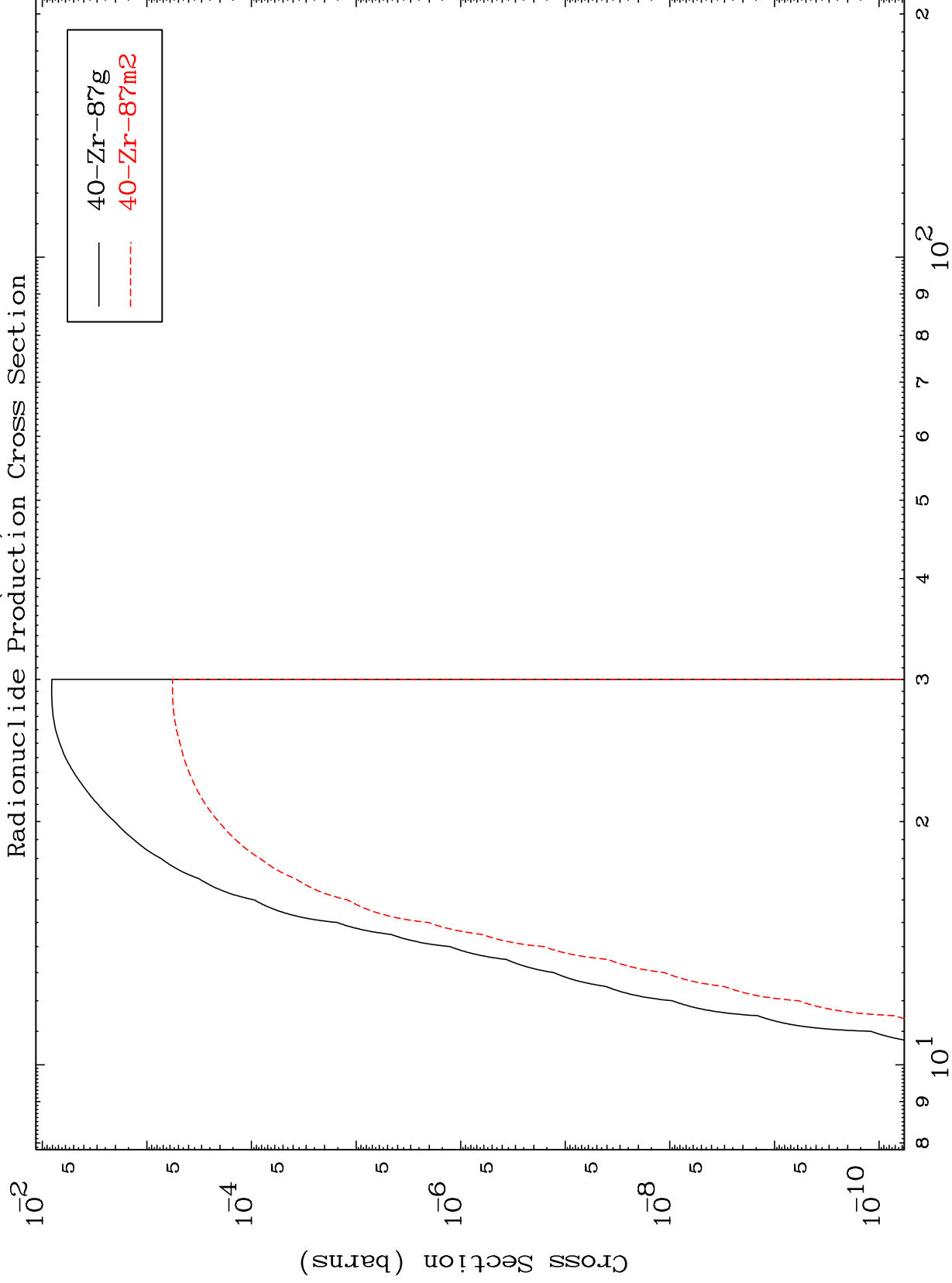
29

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(n, t)

41-Nb-89

Radionuclide Production Cross Section



30

Incident Energy (MeV)

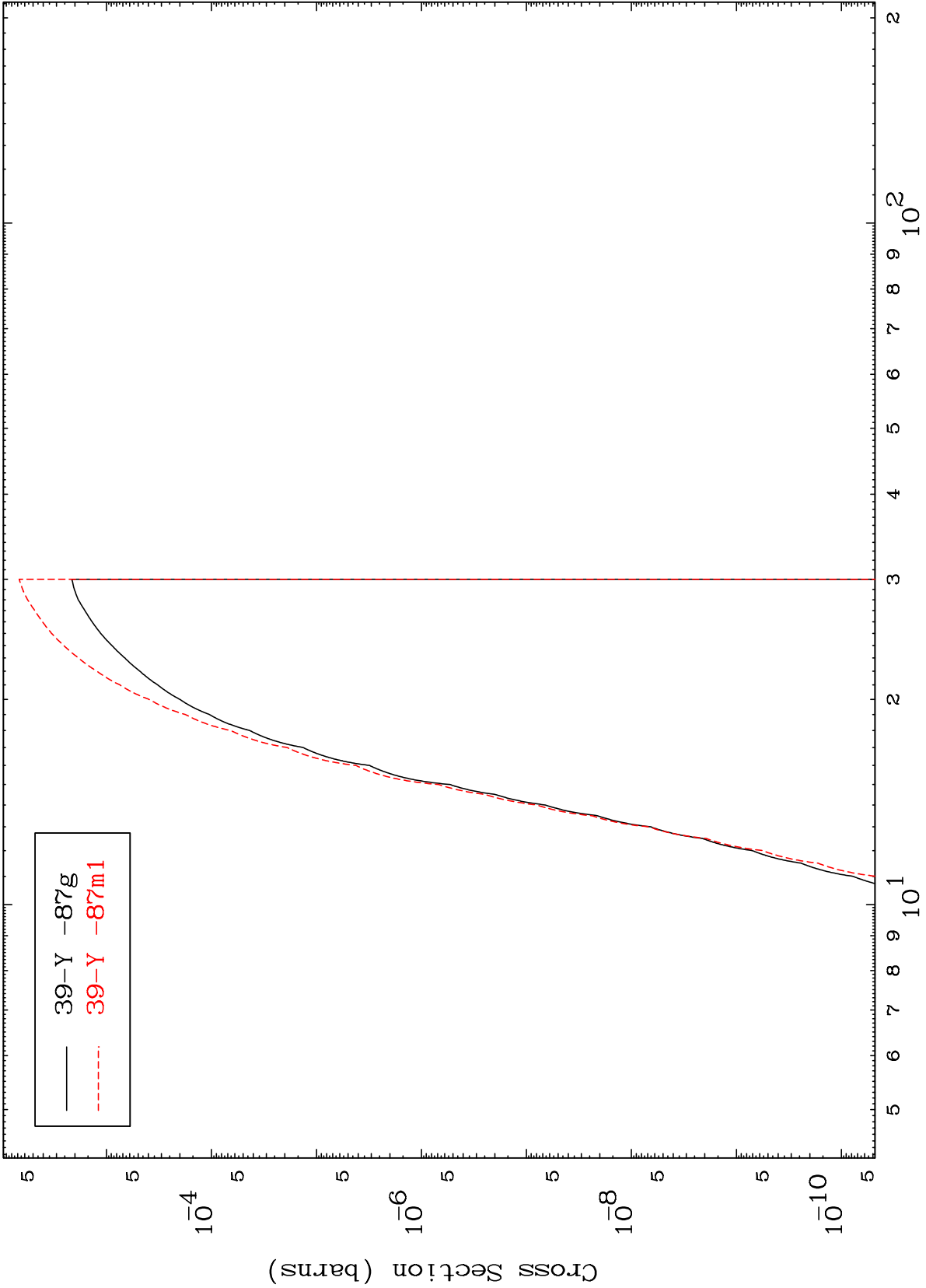
41-Nb-89

MAT 4114

(n,He-3)

41-Nb-89

Radionuclide Production Cross Section



31

Incident Energy (MeV)

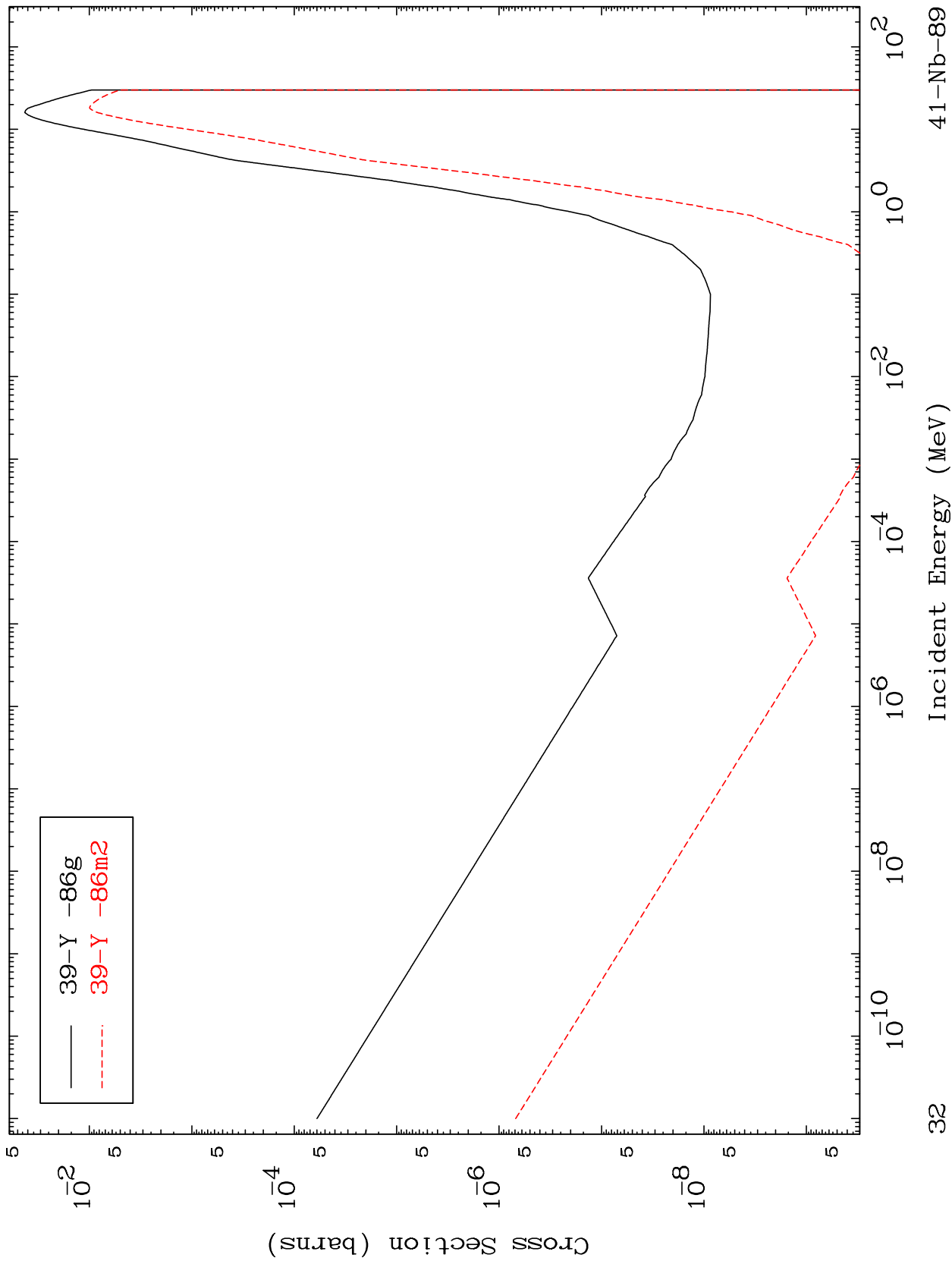
41-Nb-89



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41-Nb-89

Radionuclide Production Cross Section  
(n,  $\alpha$ )



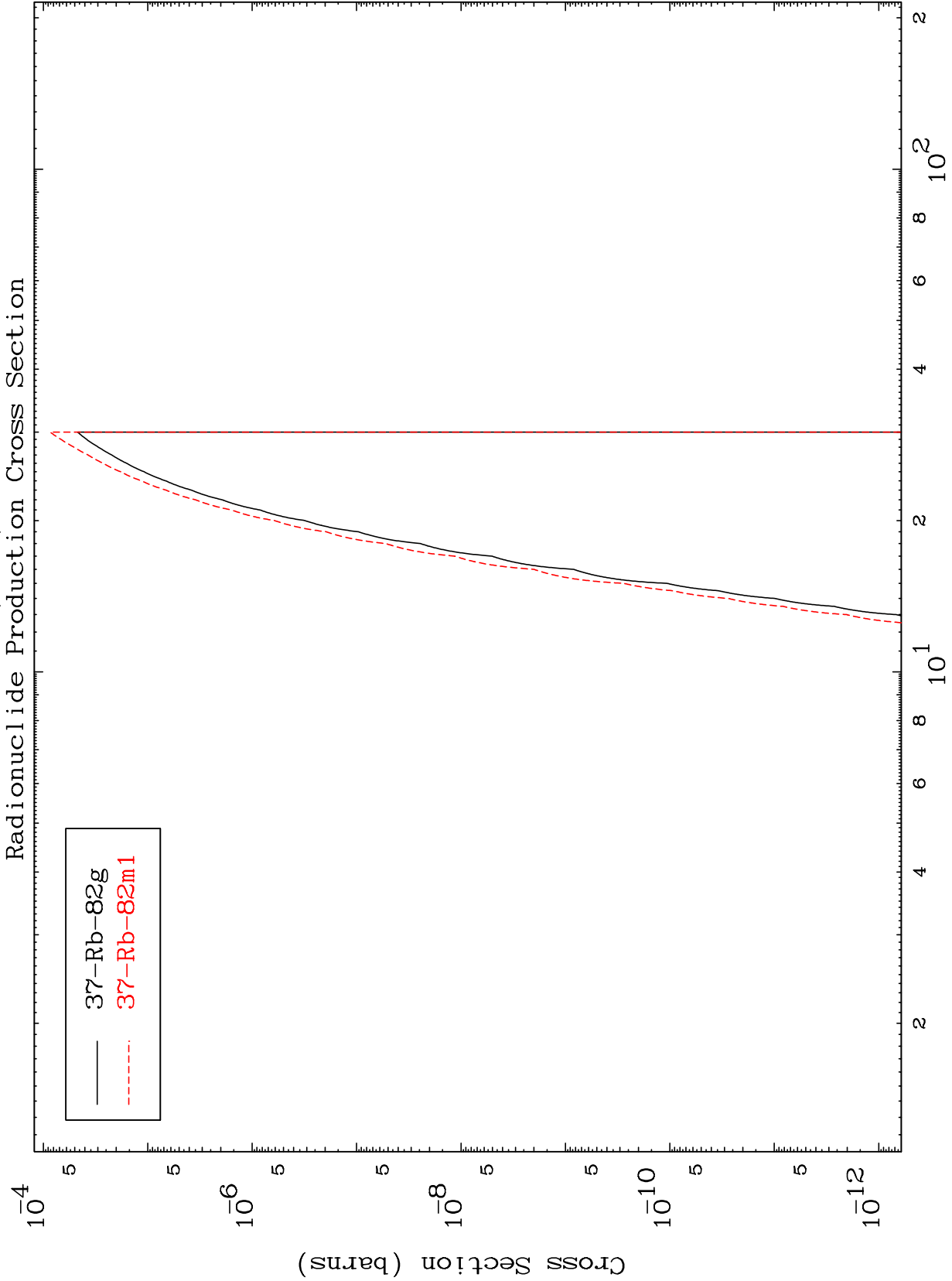
— 39-Y -86g  
- - - 39-Y -86m2

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(n,2α)

41-Nb-89

Radionuclide Production Cross Section



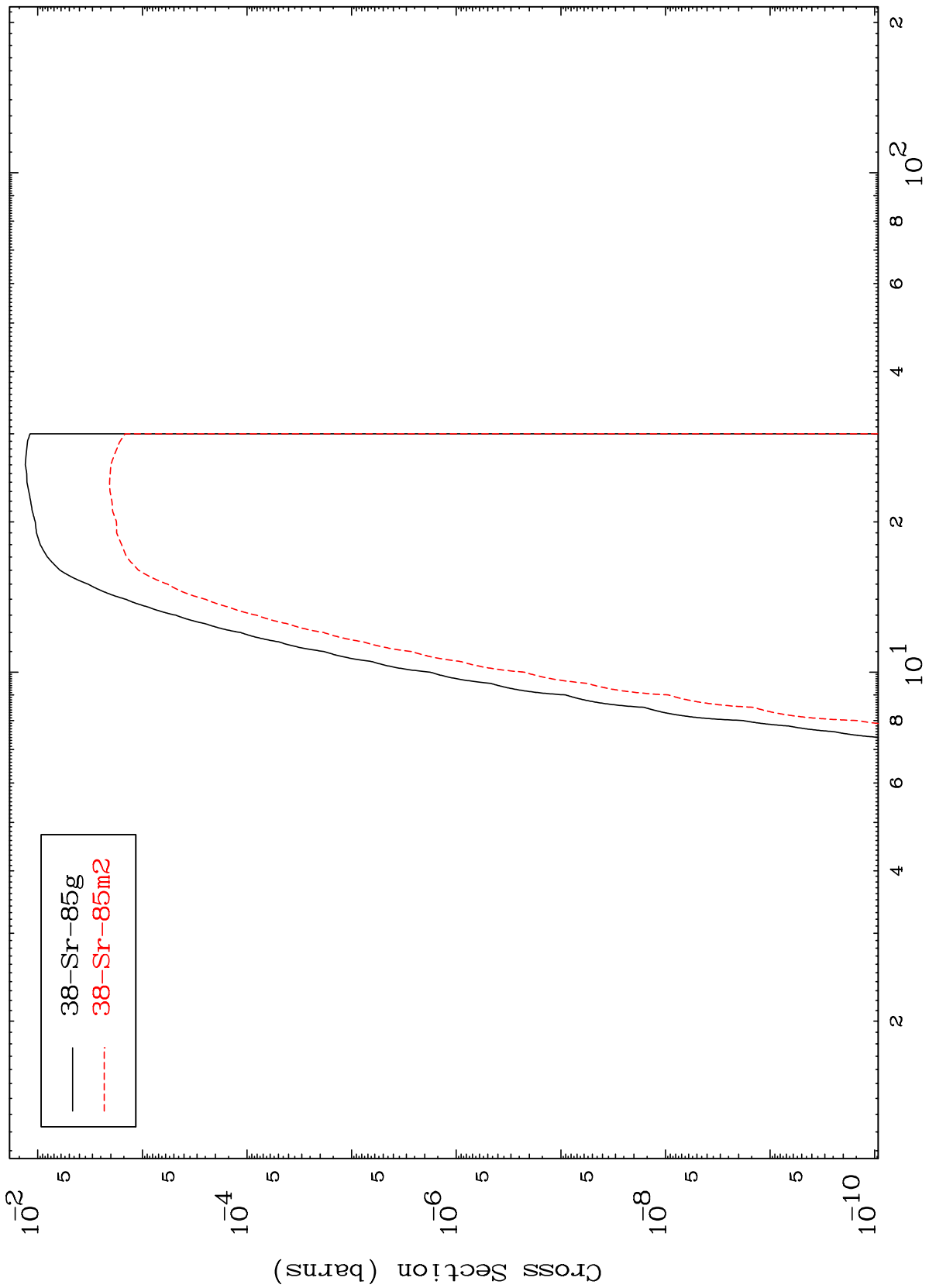
— 37-Rb-82g  
- - - 37-Rb-82m1

MAT 4114

(n,p)  $\alpha$

41-Nb-89

Radionuclide Production Cross Section



34

Incident Energy (MeV)

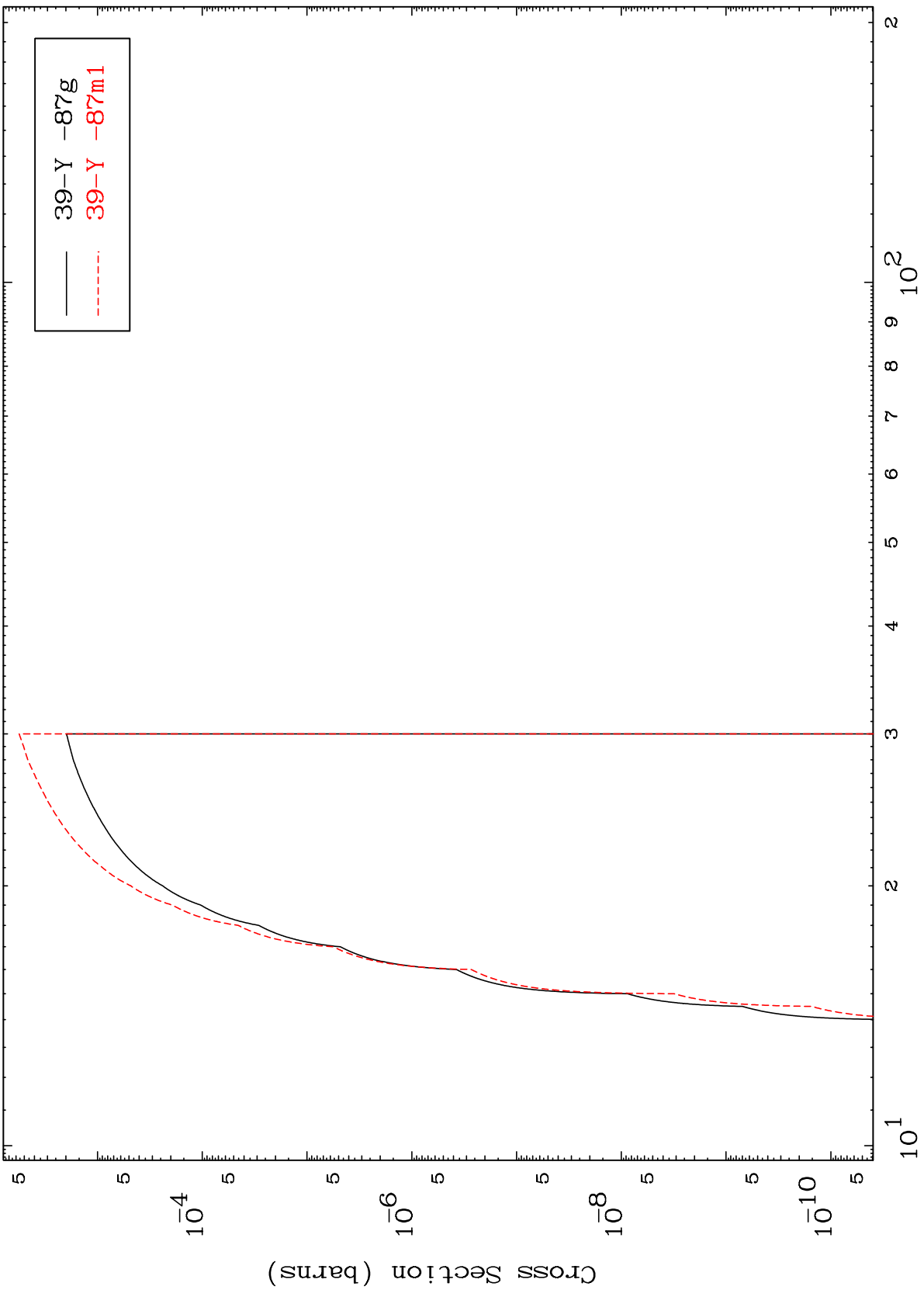
41-Nb-89

MAT 4114

(n,p) d

41-Nb-89

Radionuclide Production Cross Section



35

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section

