

Program EVALPLOT  
(Version 2017-1)

by

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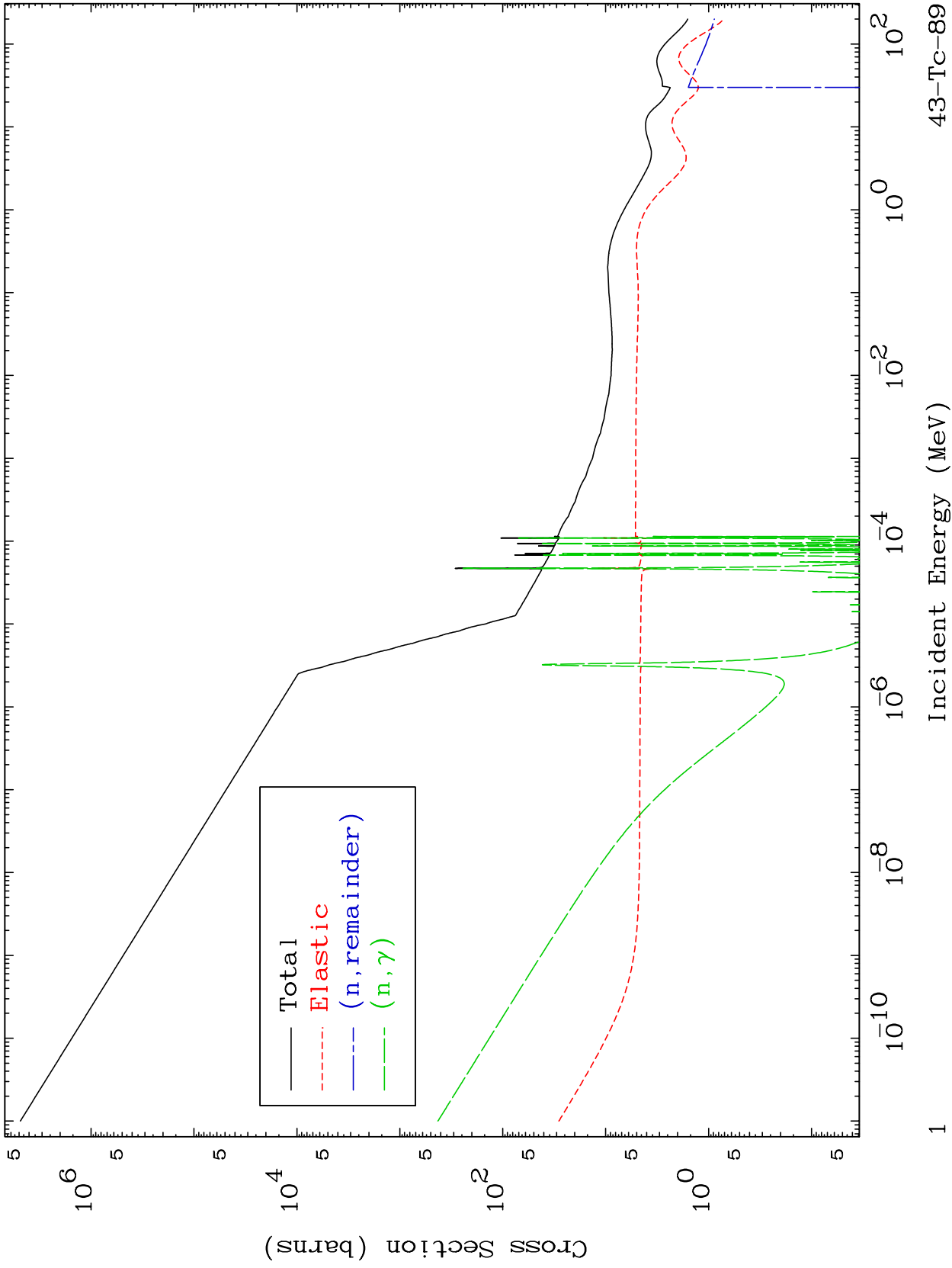
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4296

Major  
293 Kelvin Cross Sections

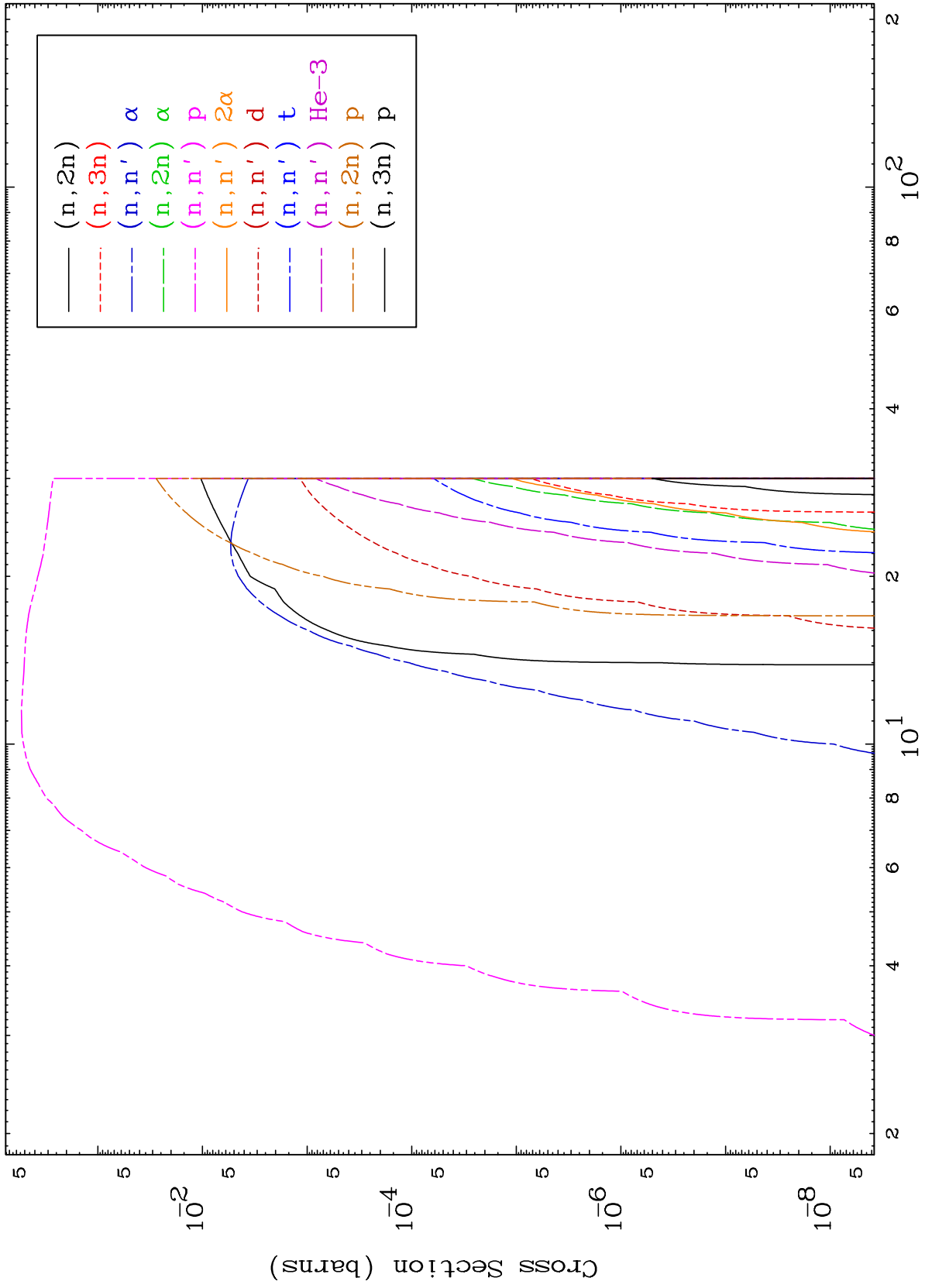
43-Tc-89



MAT 4296

Neutron Production  
293 Kelvin Cross Sections

43-Tc-89



2

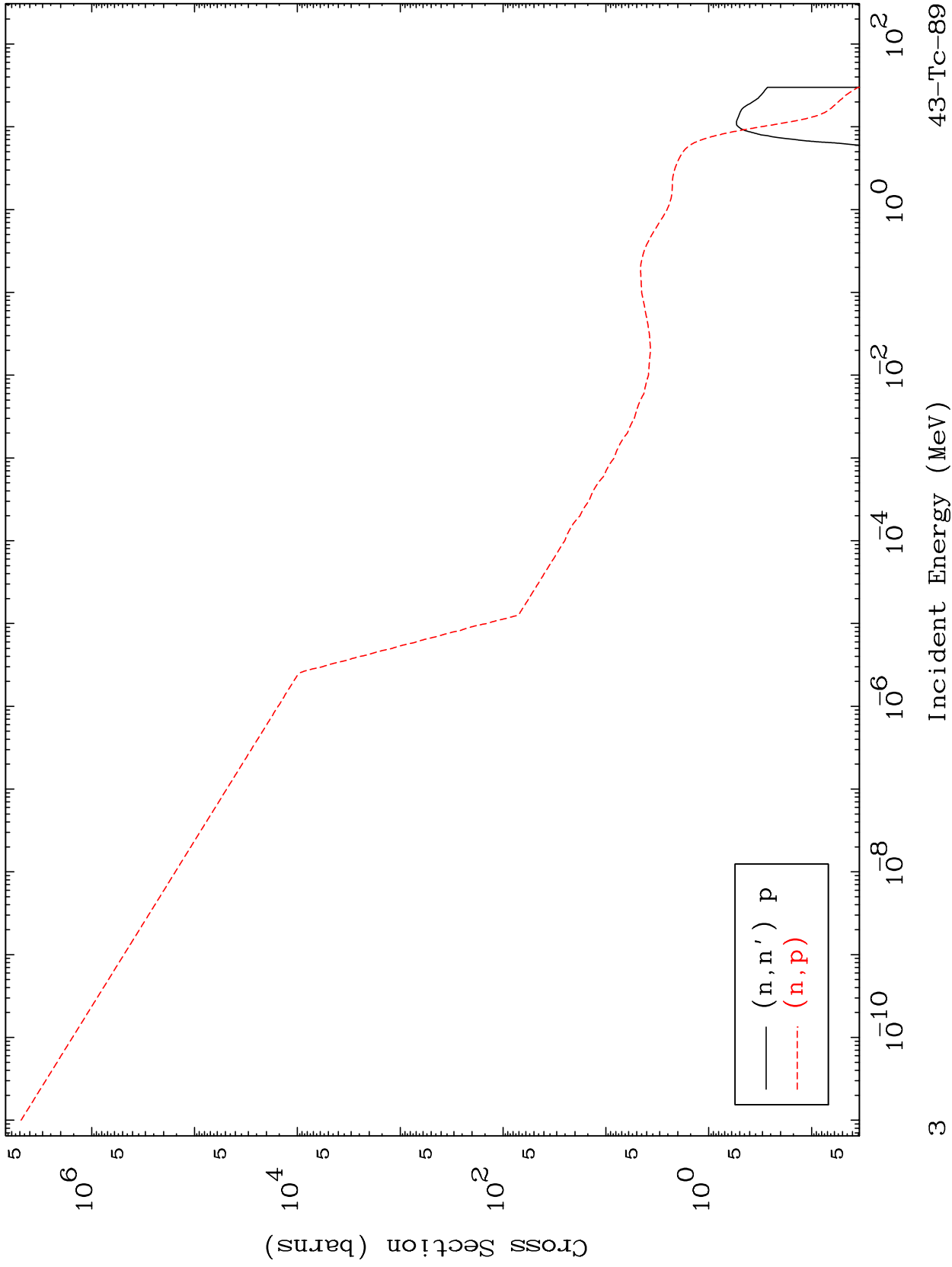
Incident Energy (MeV)

43-Tc-89

MAT 4296

Charged Particle  
293 Kelvin Cross Sections

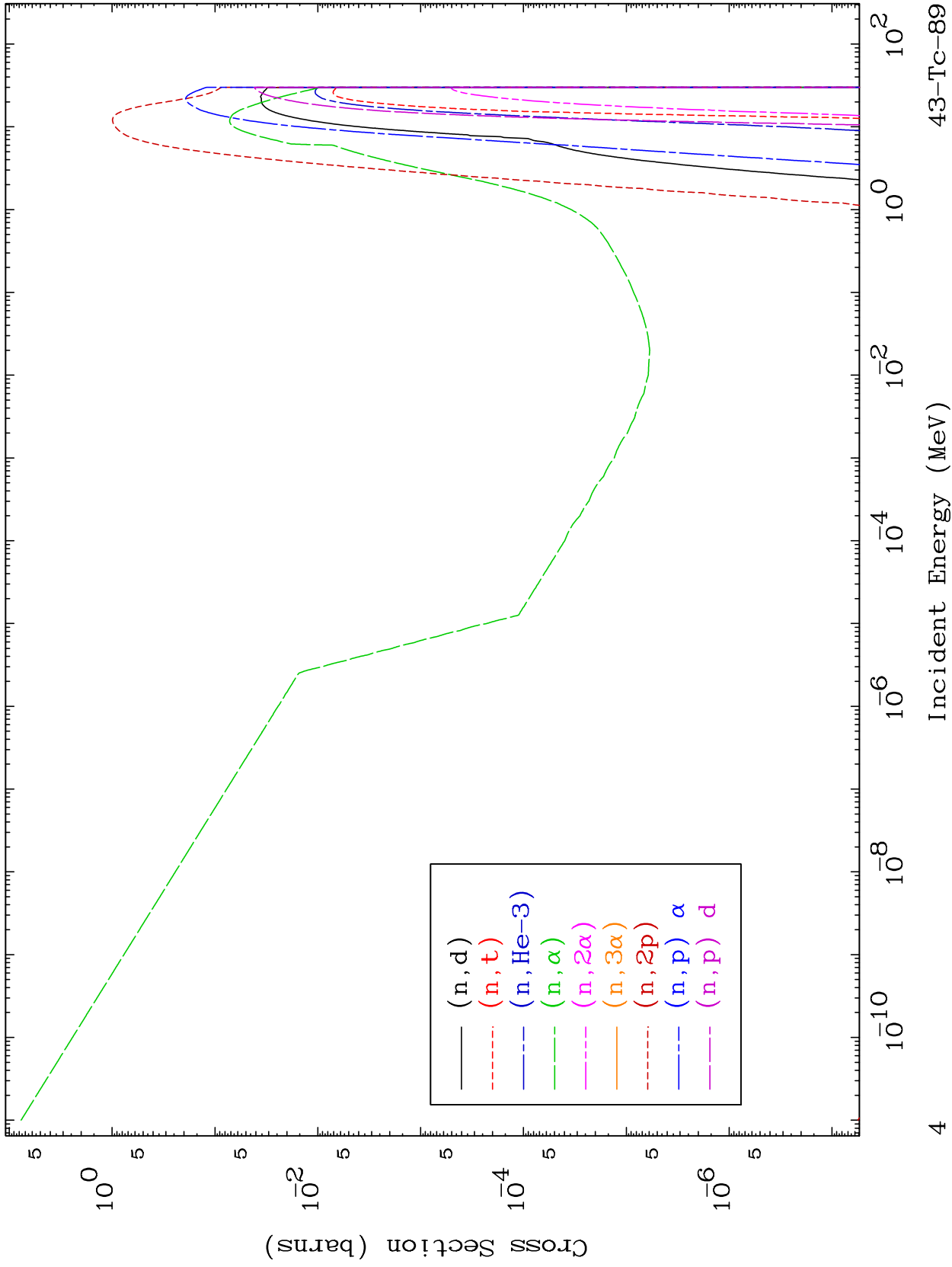
43-Tc-89



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Charged Particle  
293 Kelvin Cross Sections

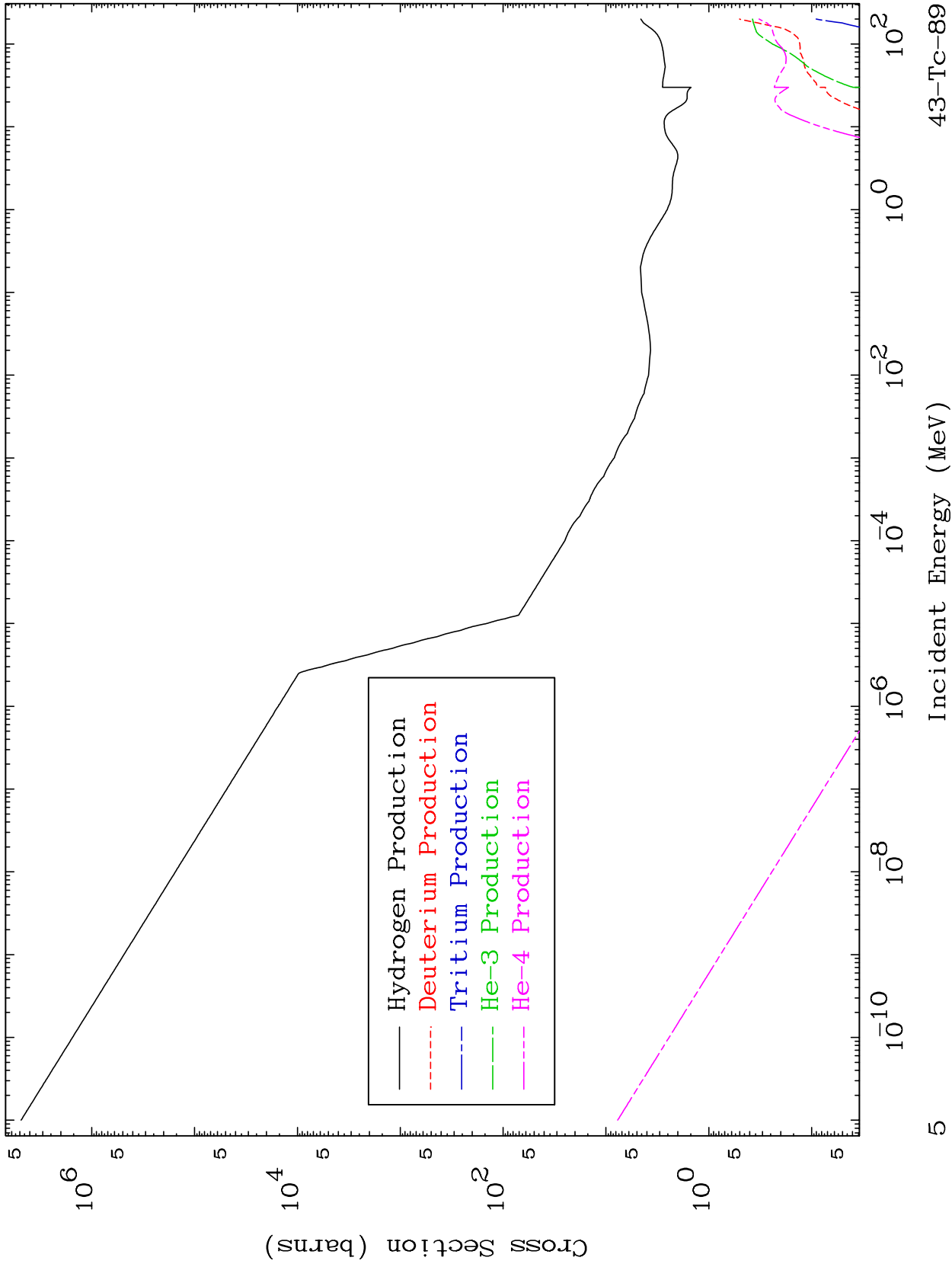
43-Tc-89



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Particle Production  
293 Kelvin Cross Sections

43-Tc-89



5

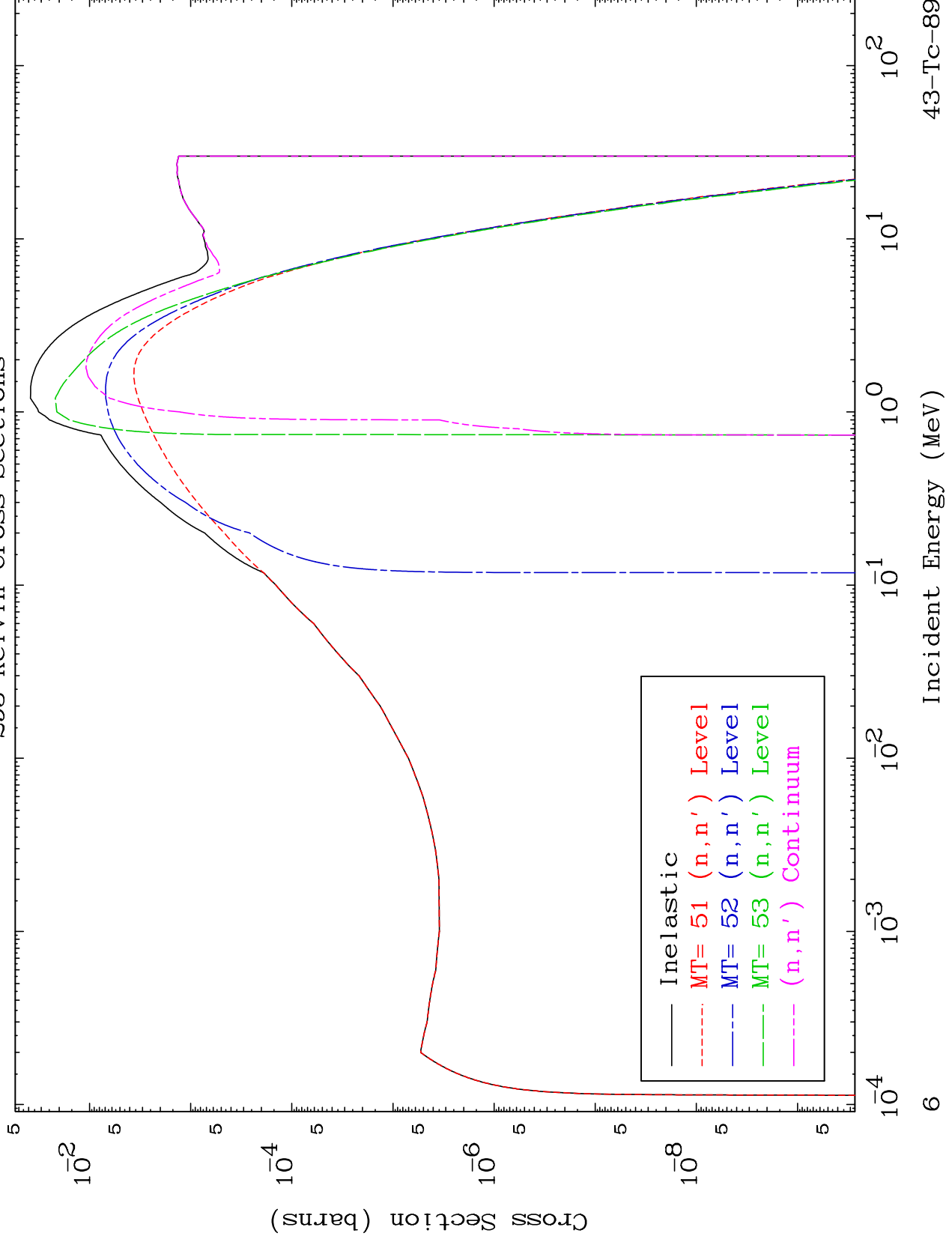
43-Tc-89

MAT 4296

(n,n') Level

43-Tc-89

293 Kelvin Cross Sections



43-Tc-89

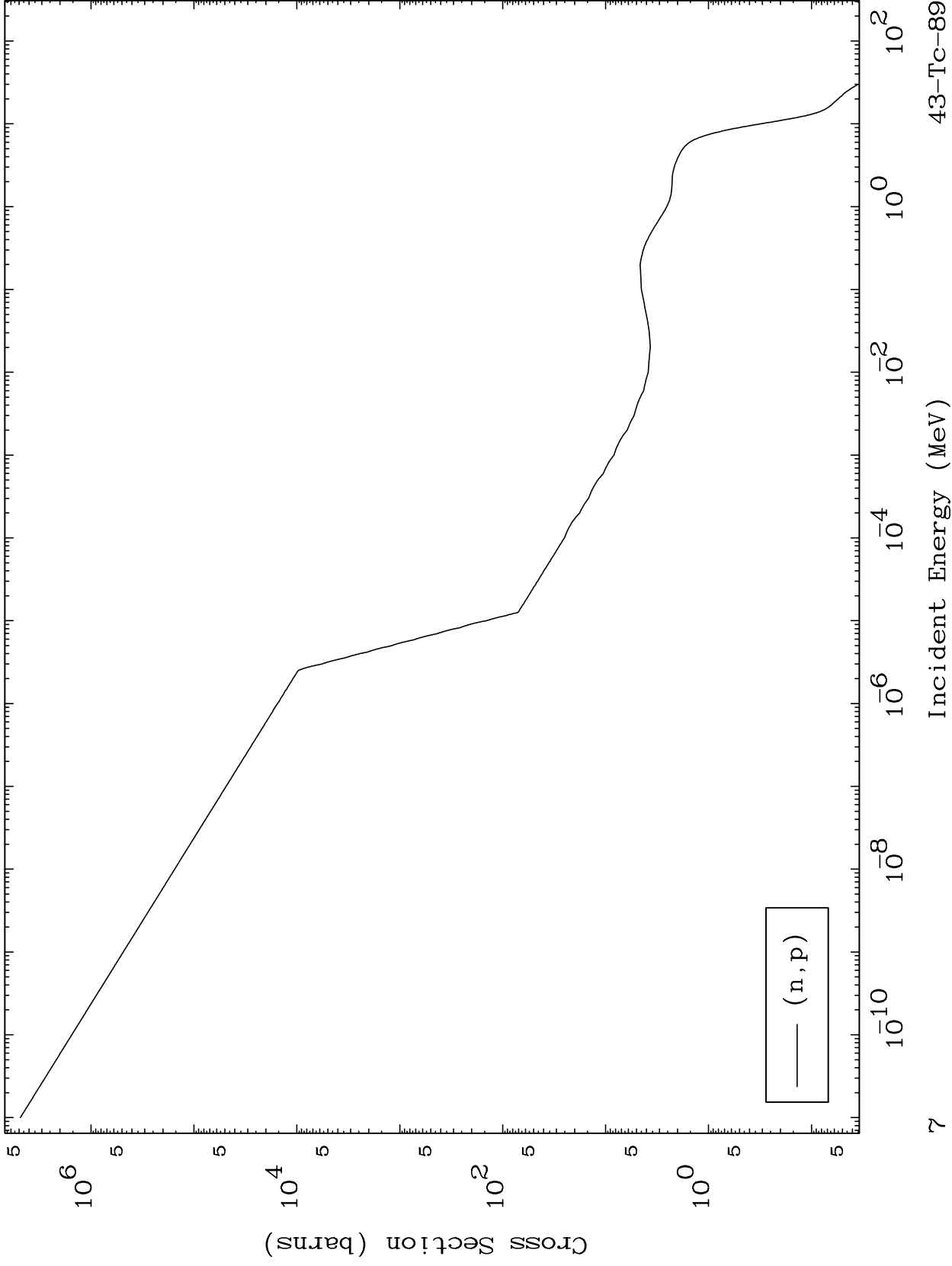
Incident Energy (MeV)

6

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(n,p) Levels  
293 Kelvin Cross Sections

43-Tc-89

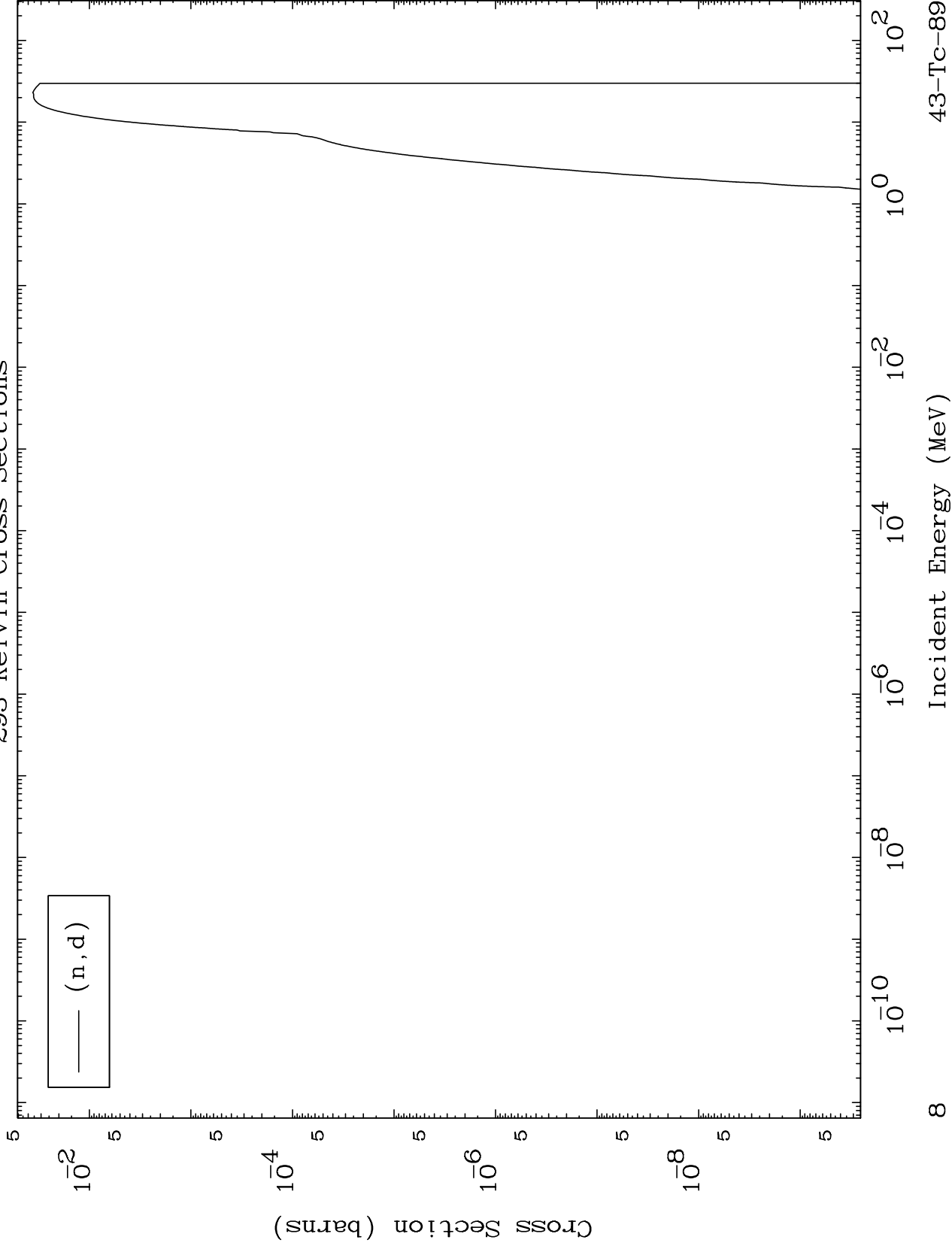




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(n,d) Levels  
293 Kelvin Cross Sections

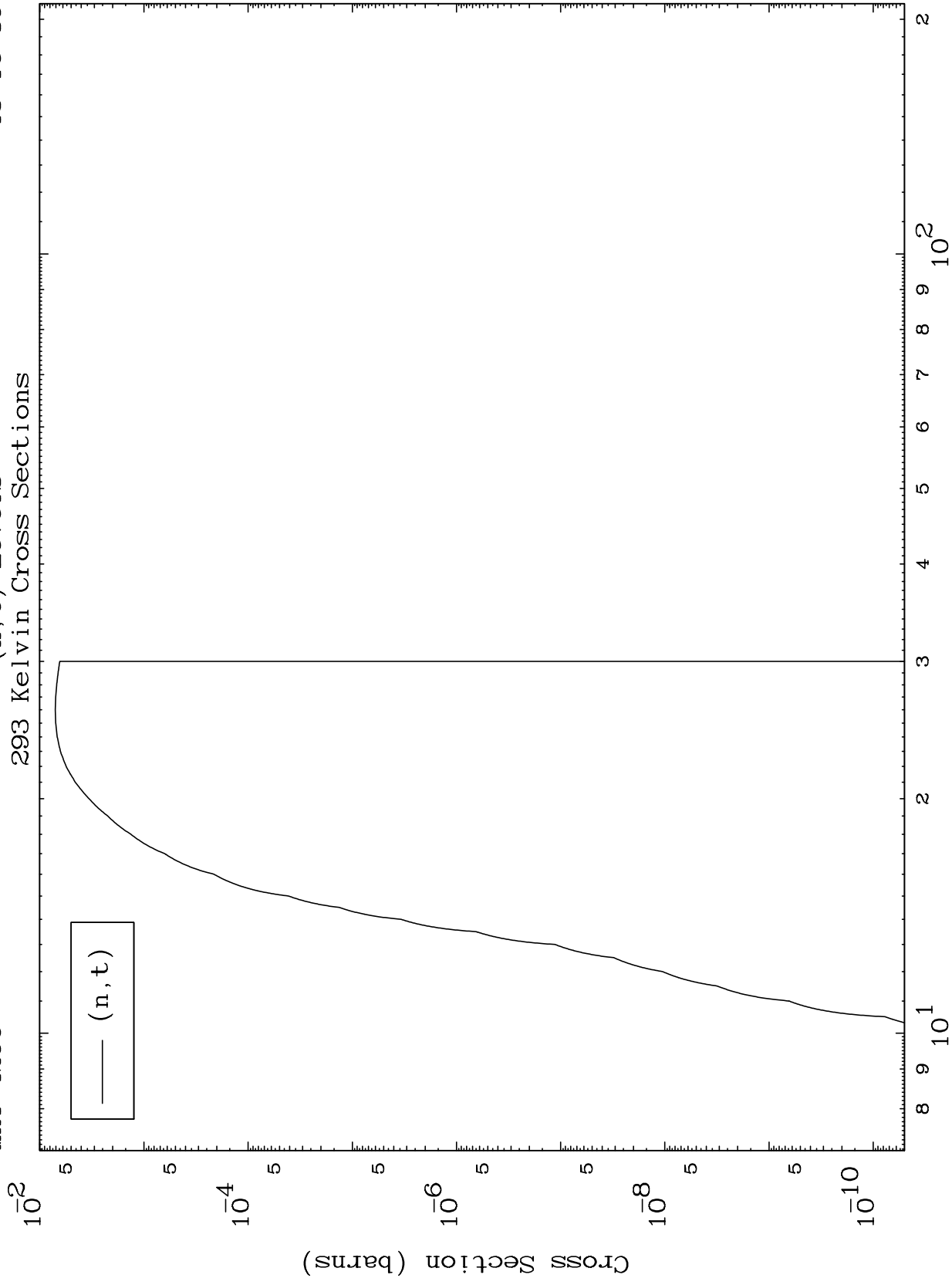
43-Tc-89



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(n,t) Levels  
293 Kelvin Cross Sections

43-Tc-89



9

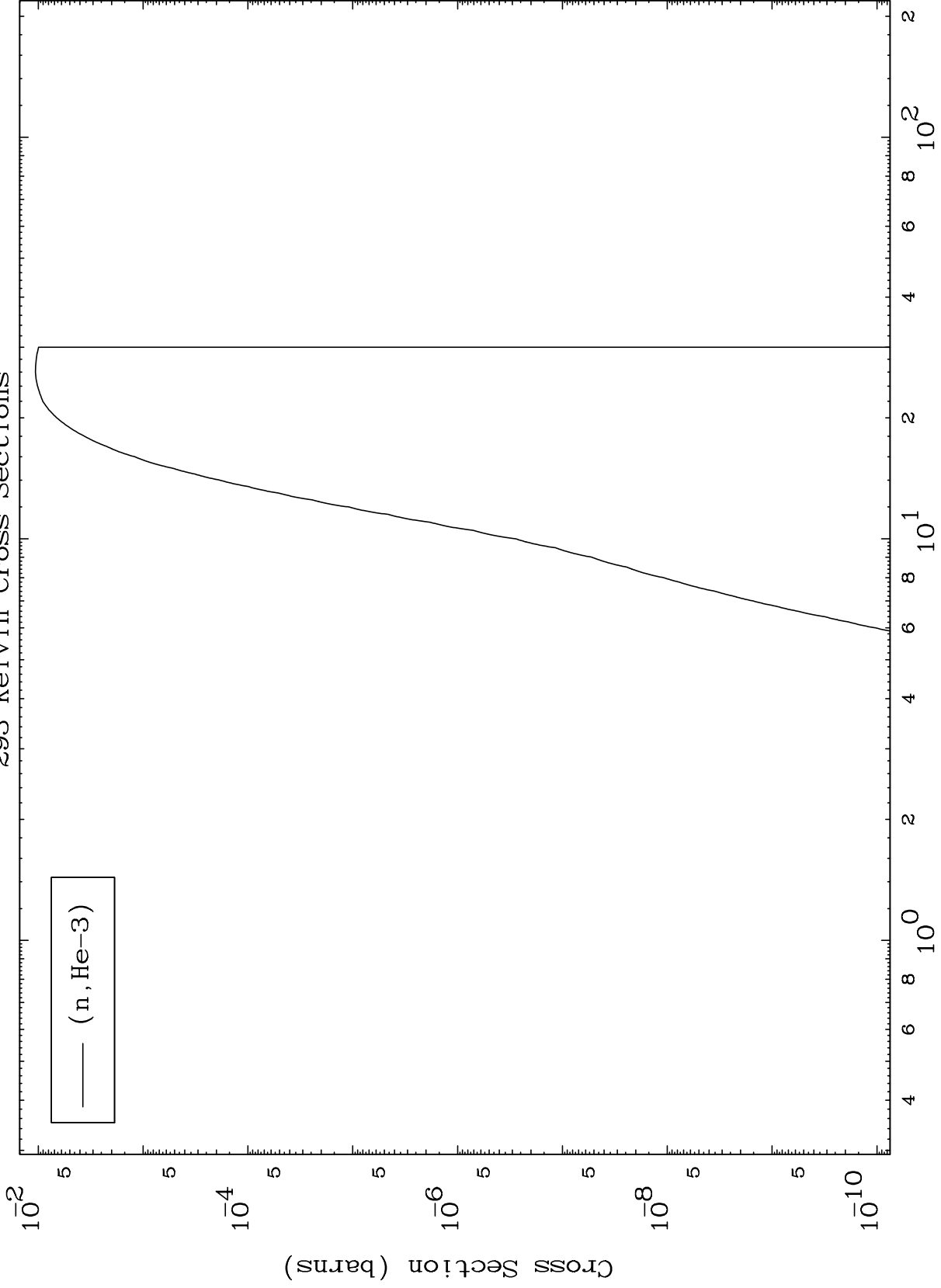
Incident Energy (MeV)

43-Tc-89

MAT 4296

(n,He3) Levels  
293 Kelvin Cross Sections

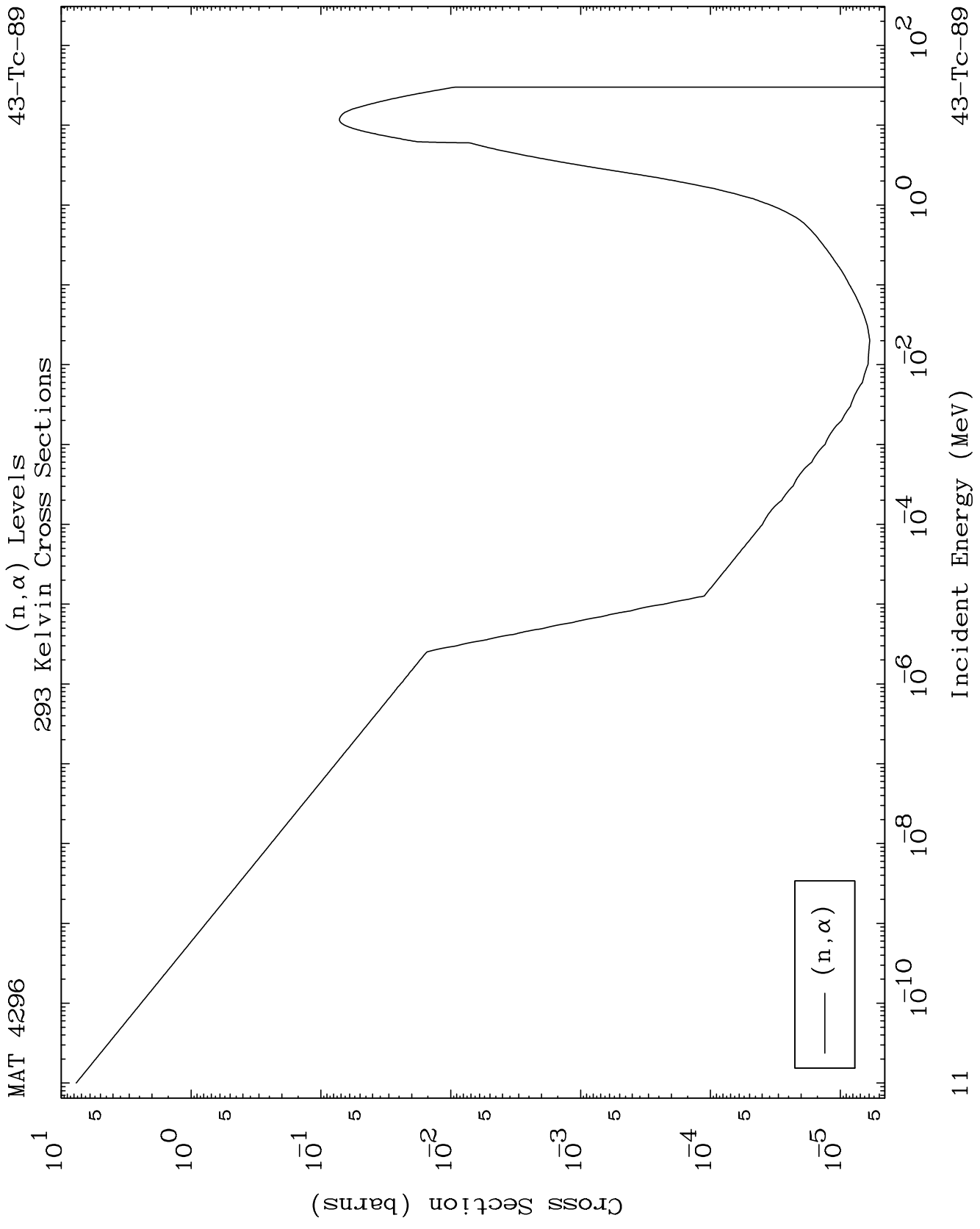
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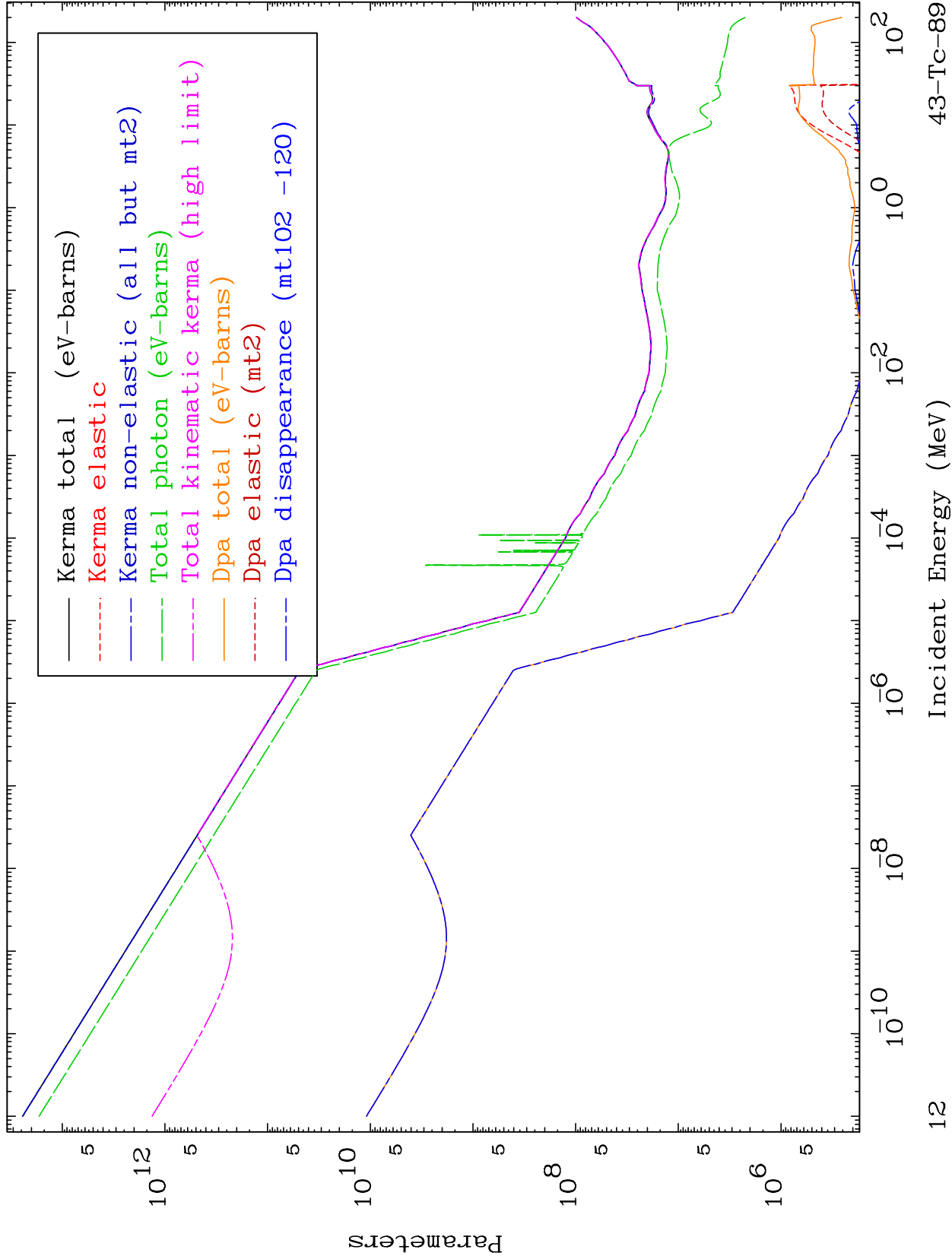


10

Incident Energy (MeV)

43-Tc-89

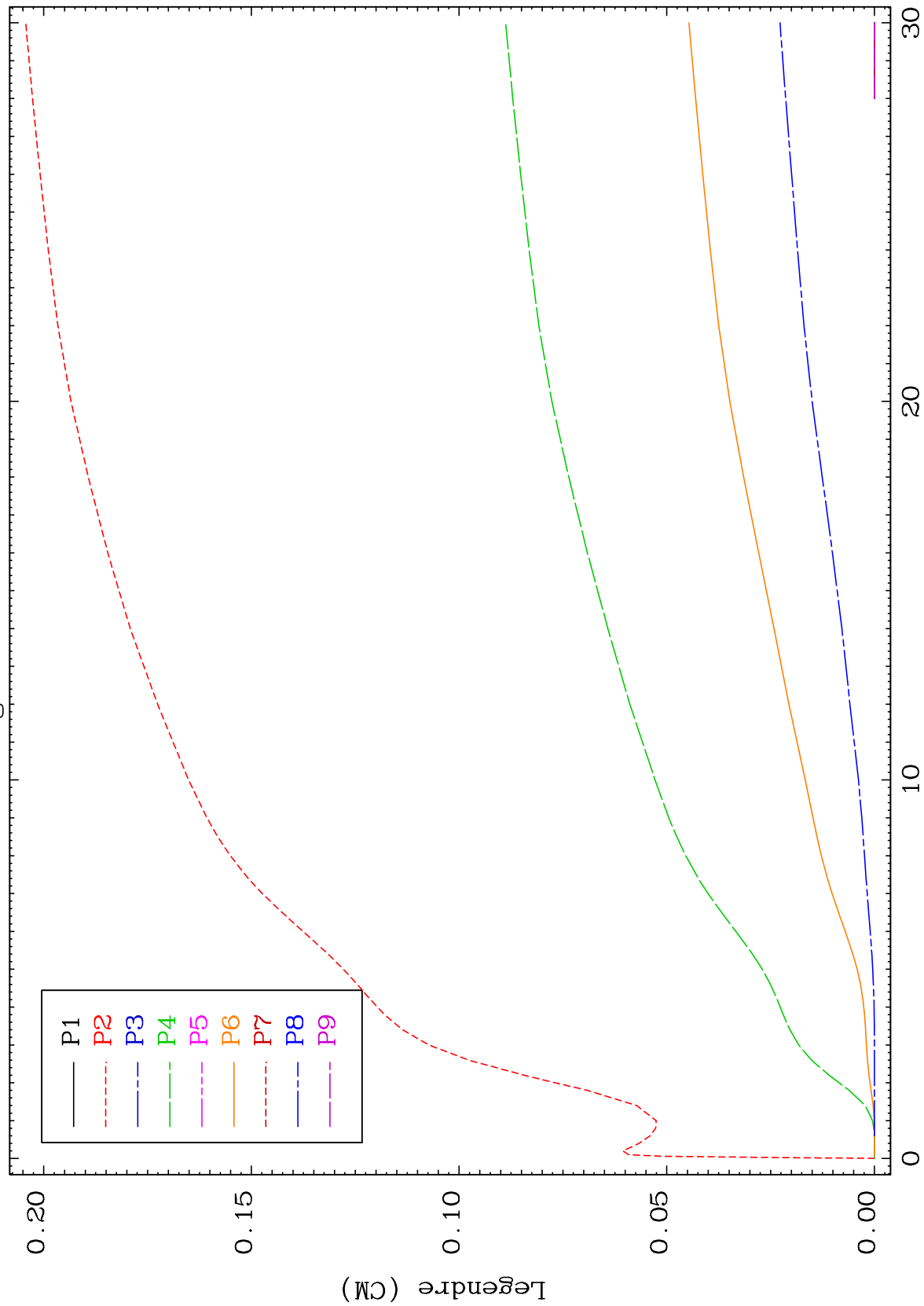




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Elastic Legendre Coefficients

43-Tc-89



13

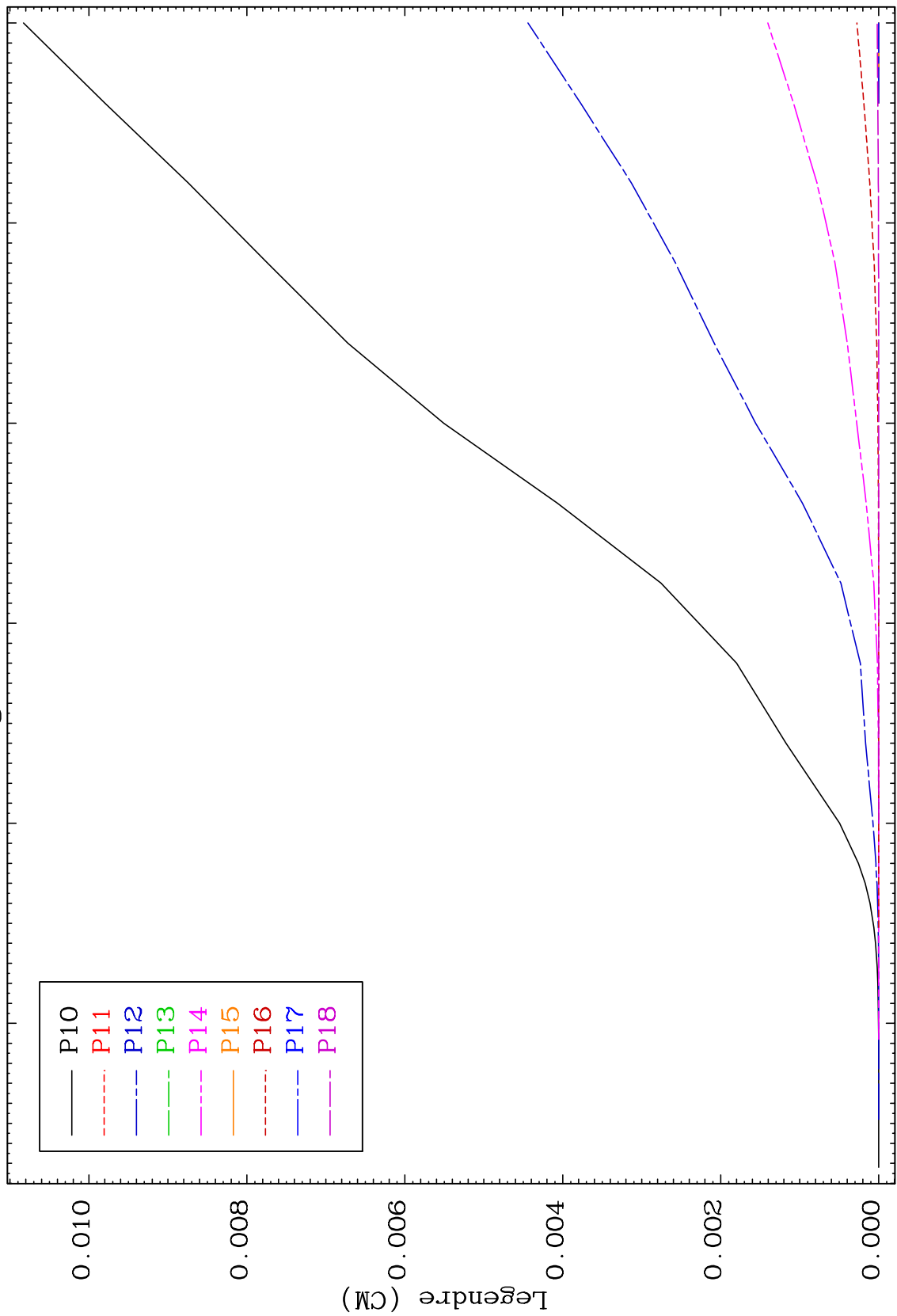
Incident Energy (MeV)

43-Tc-89

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### Elastic Legendre Coefficients

43-Tc-89



14

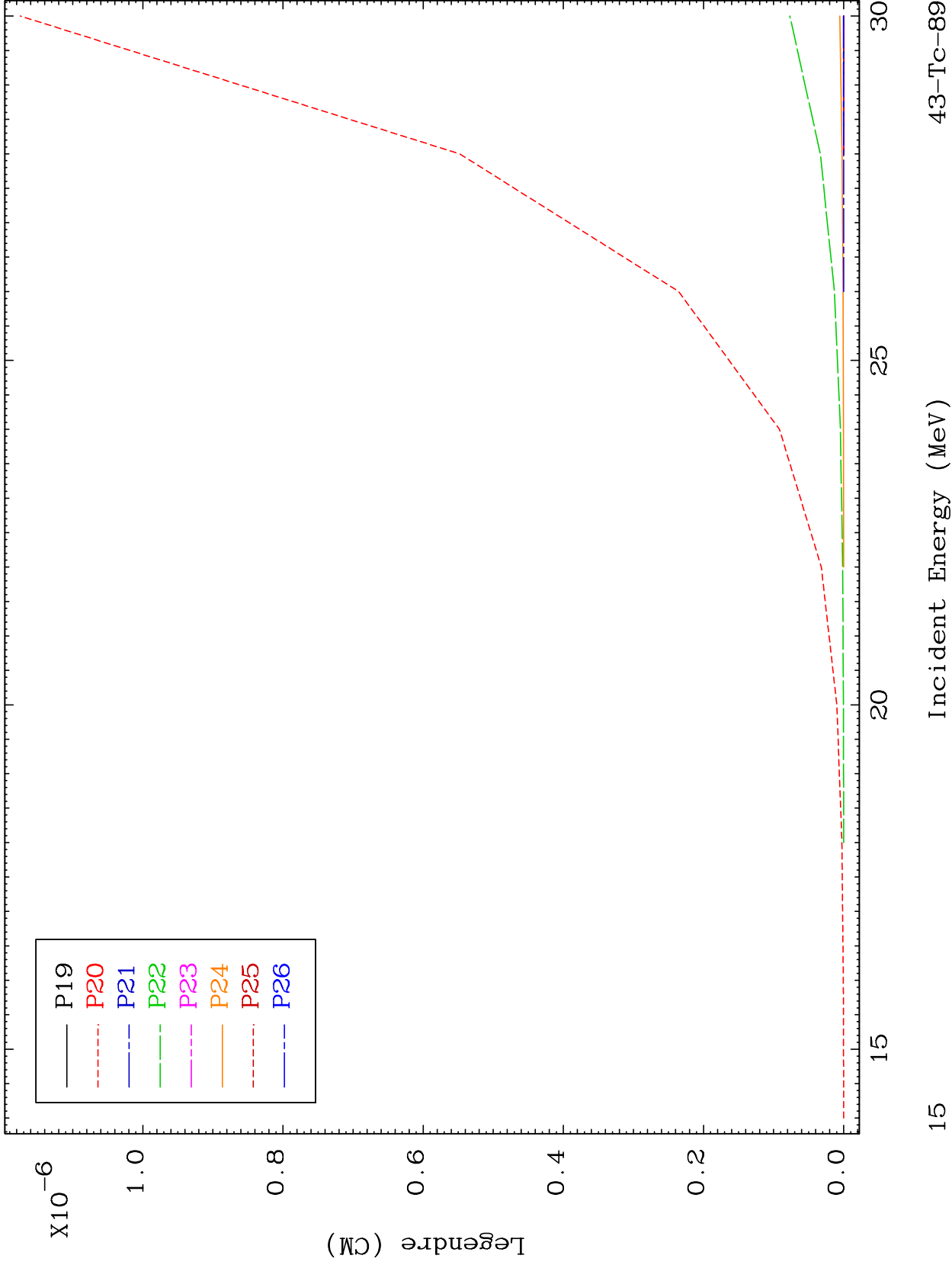
43-Tc-89

Incident Energy (MeV)

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Elastic Legendre Coefficients

43-Tc-89



15

Incident Energy (MeV)

43-Tc-89

30

20

25

$\times 10^{-6}$

Legendre (CM)

P19

P20

P21

P22

P23

P24

P25

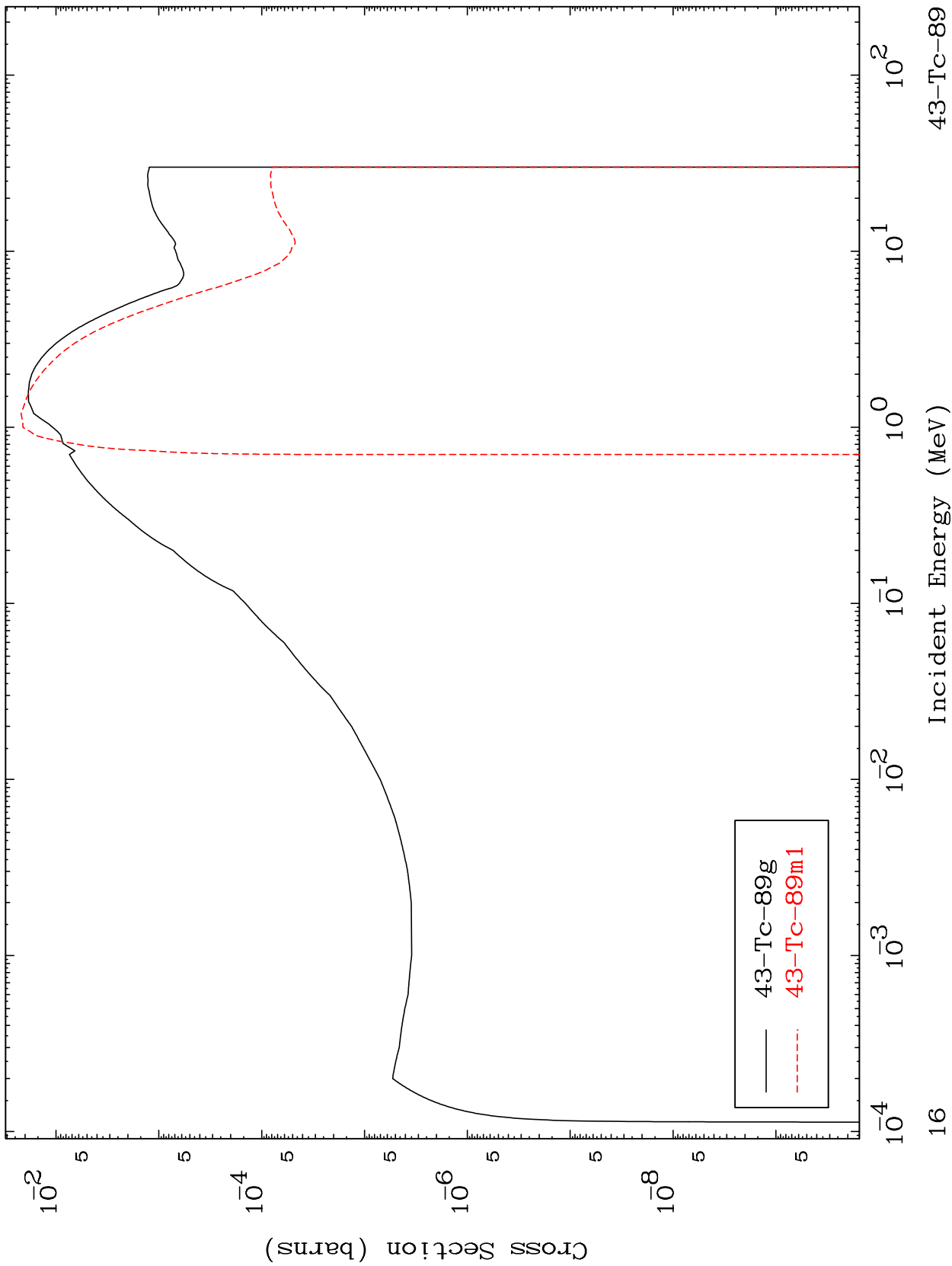
P26



MAT 4296

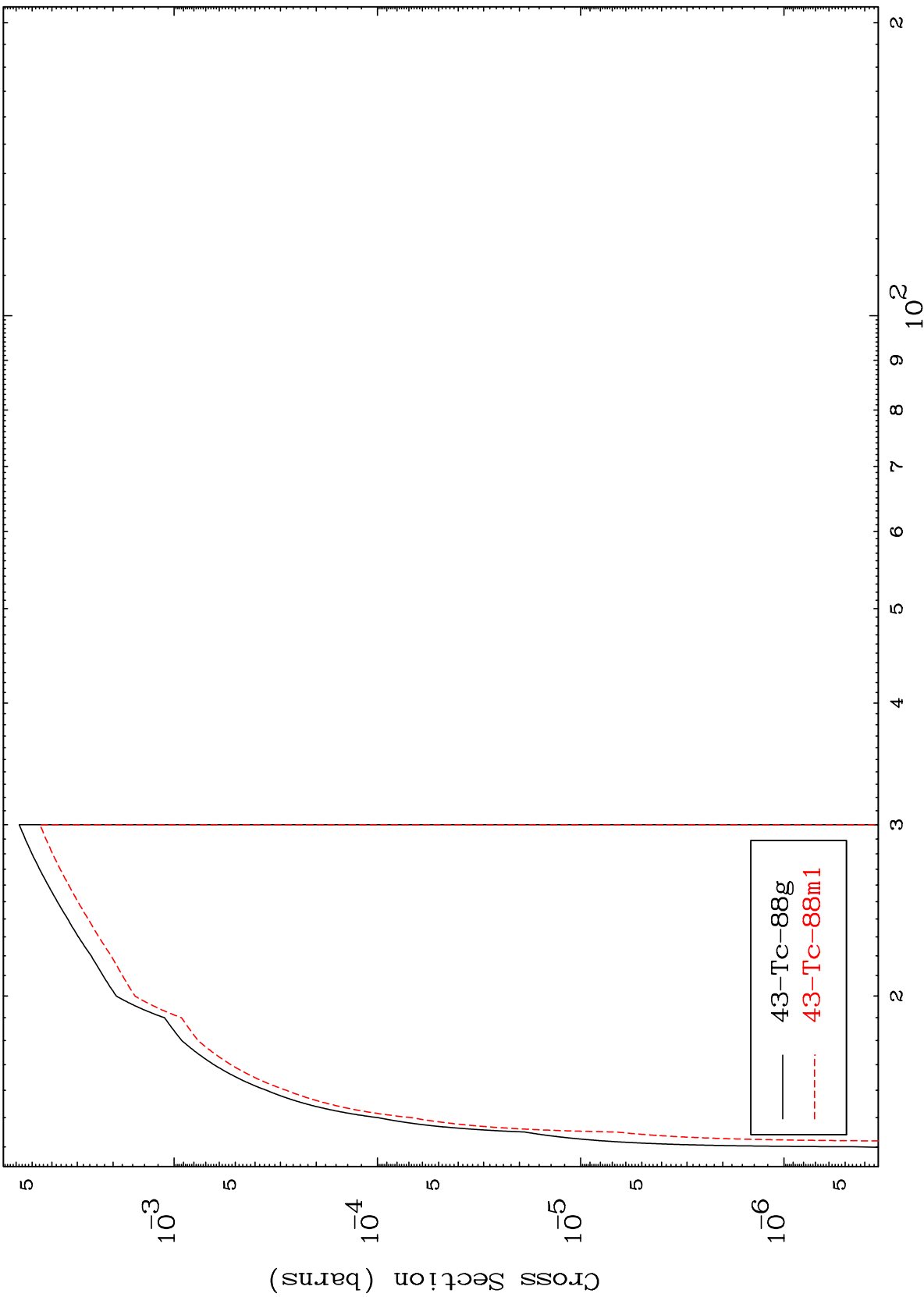
43-Tc-89

Inelastic  
Radionuclide Production Cross Section



16

(n,2n)  
Radionuclide Production Cross Section

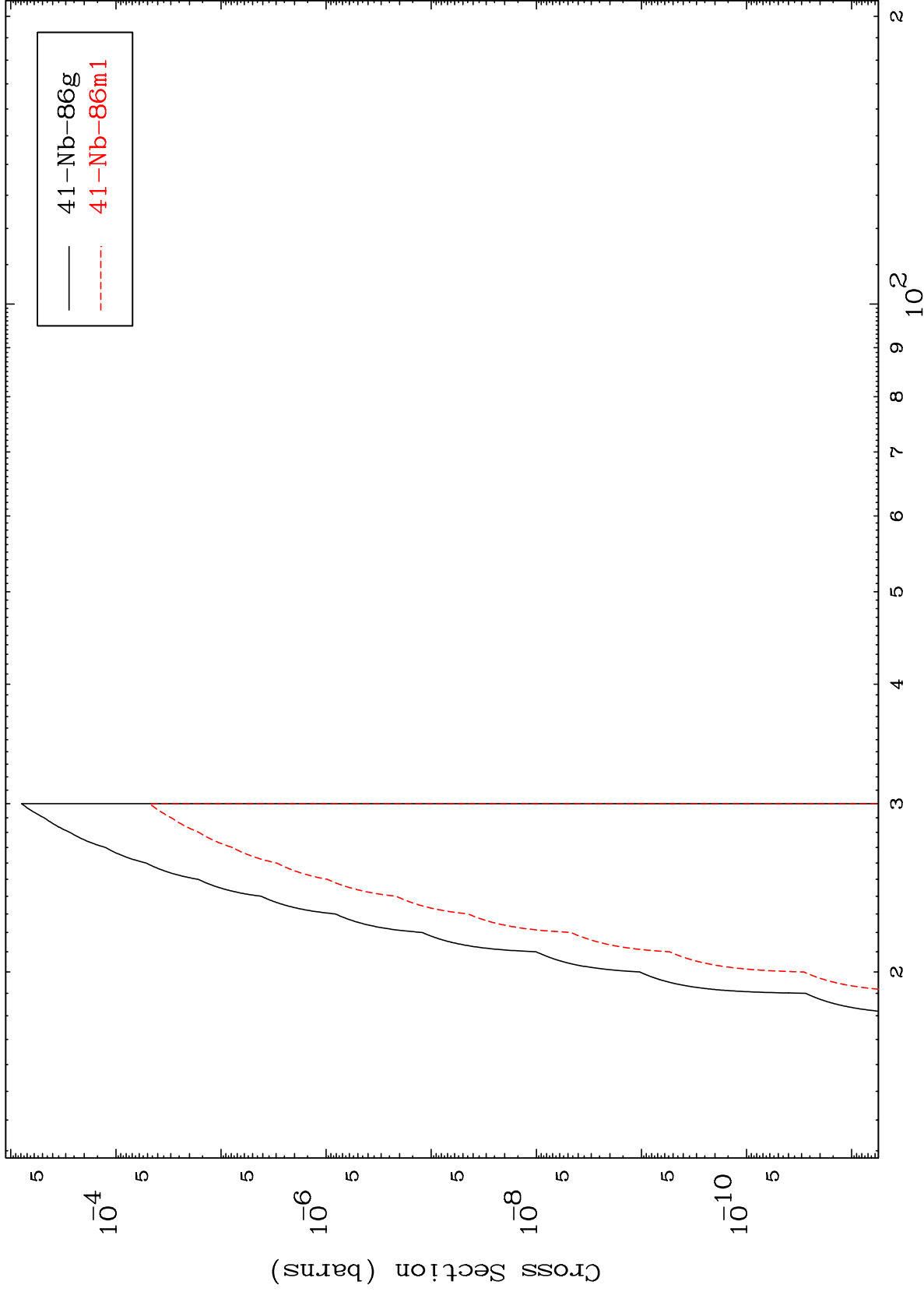


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(n,n') He-3

43-Tc-89

Radionuclide Production Cross Section



18

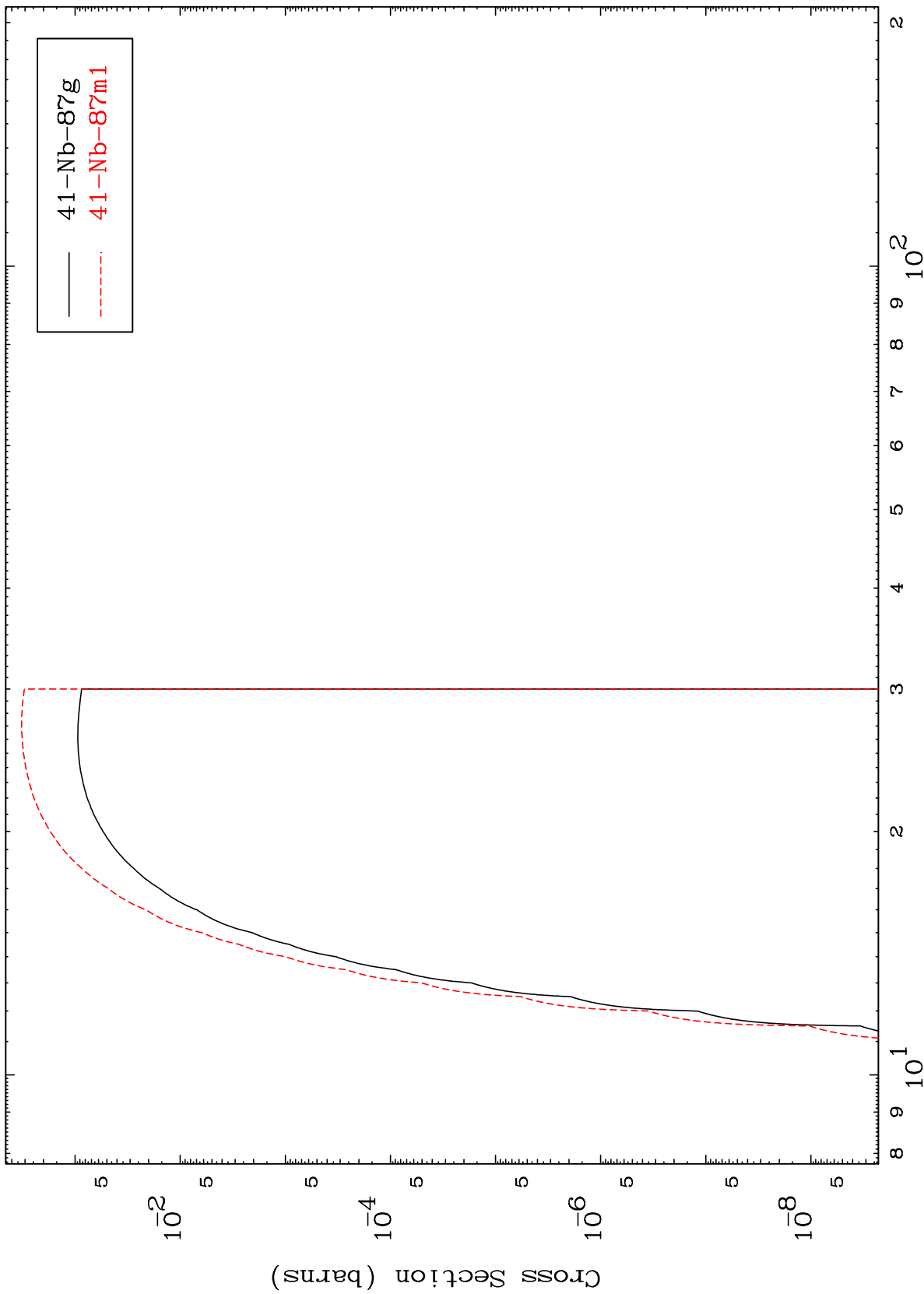
Incident Energy (MeV)

43-Tc-89

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43-Tc-89

(n,2n) p  
Radionuclide Production Cross Section

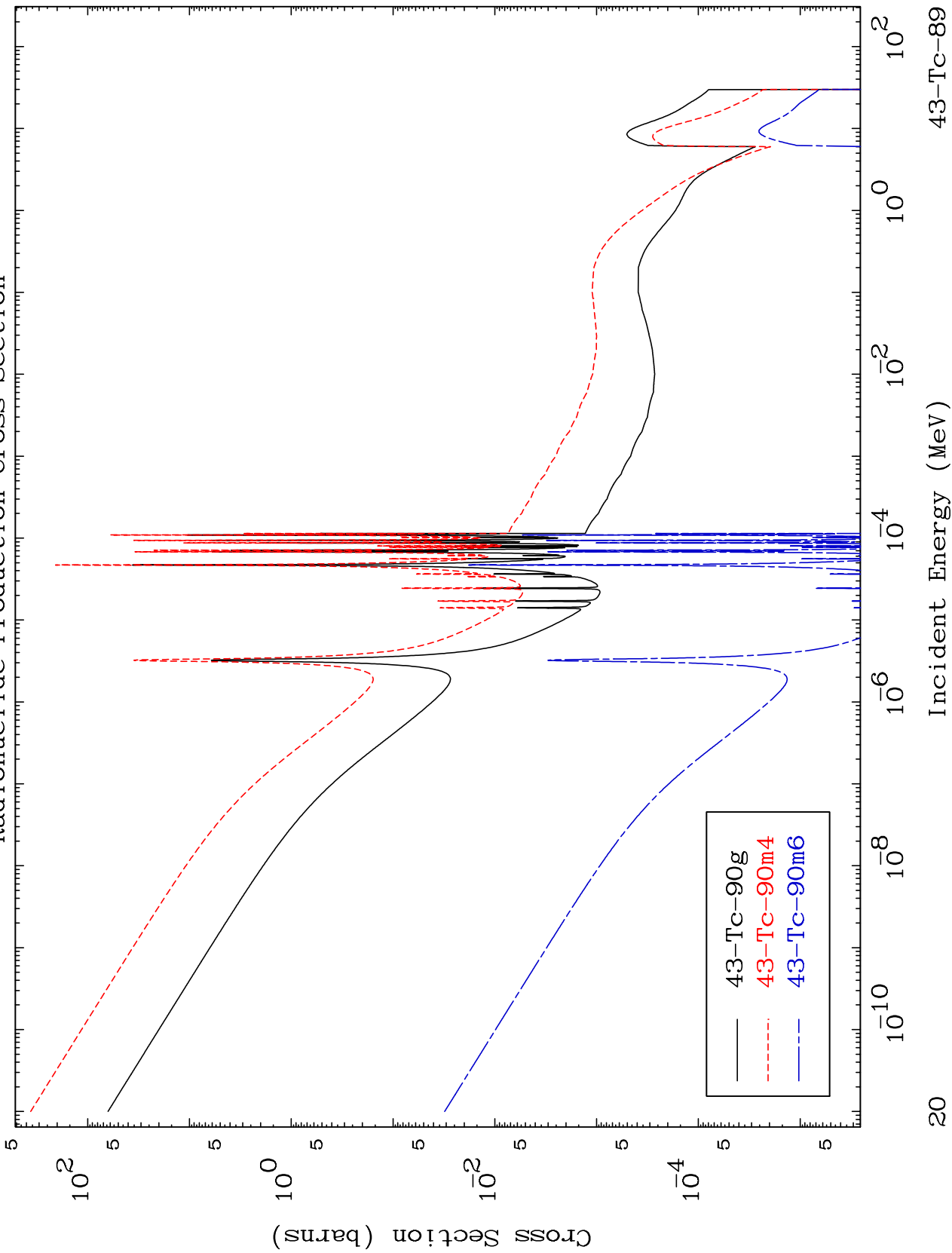


19

Incident Energy (MeV)

43-Tc-89

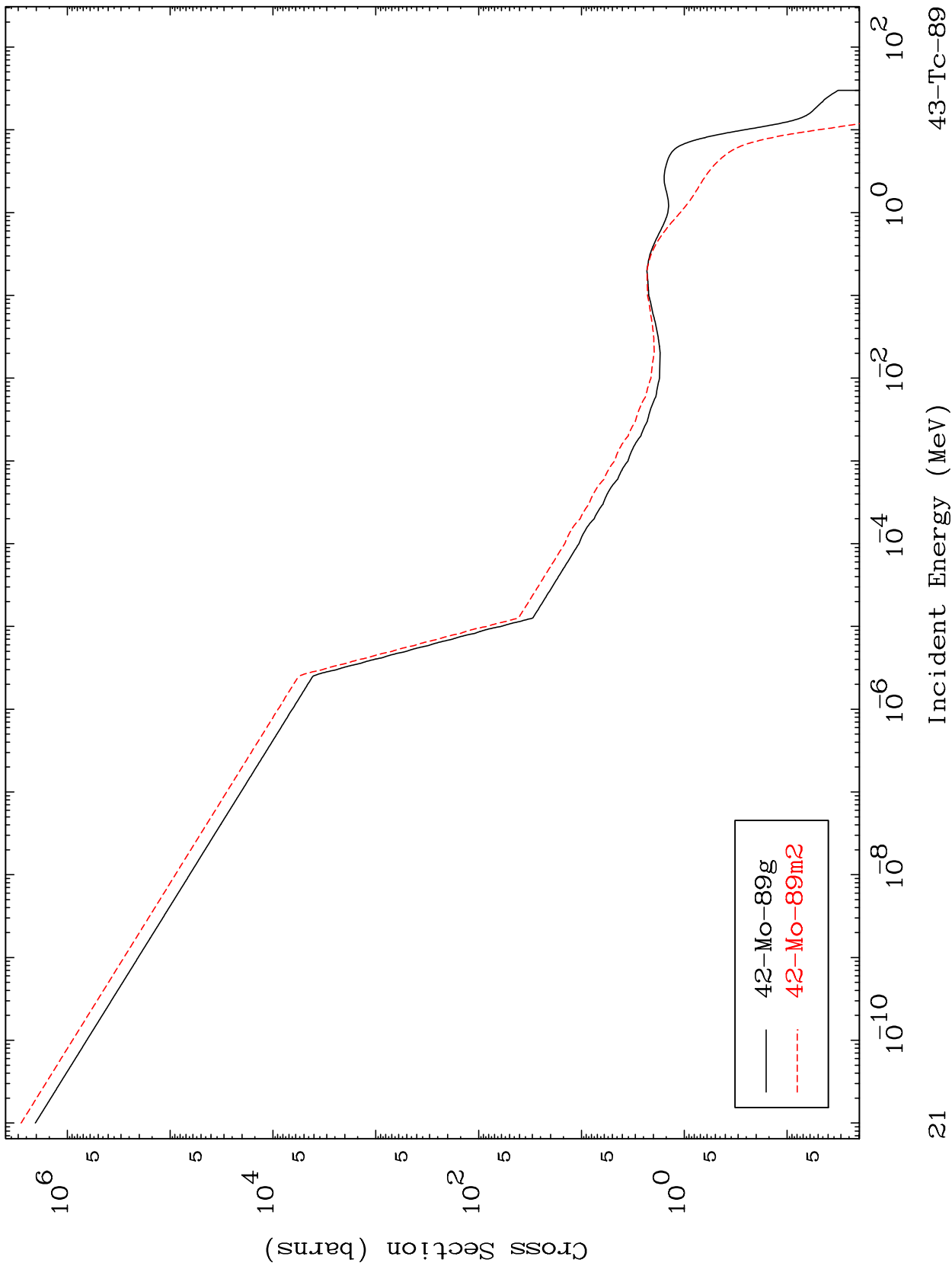
(n,  $\gamma$ )  
Radionuclide Production Cross Section



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43-Tc-89

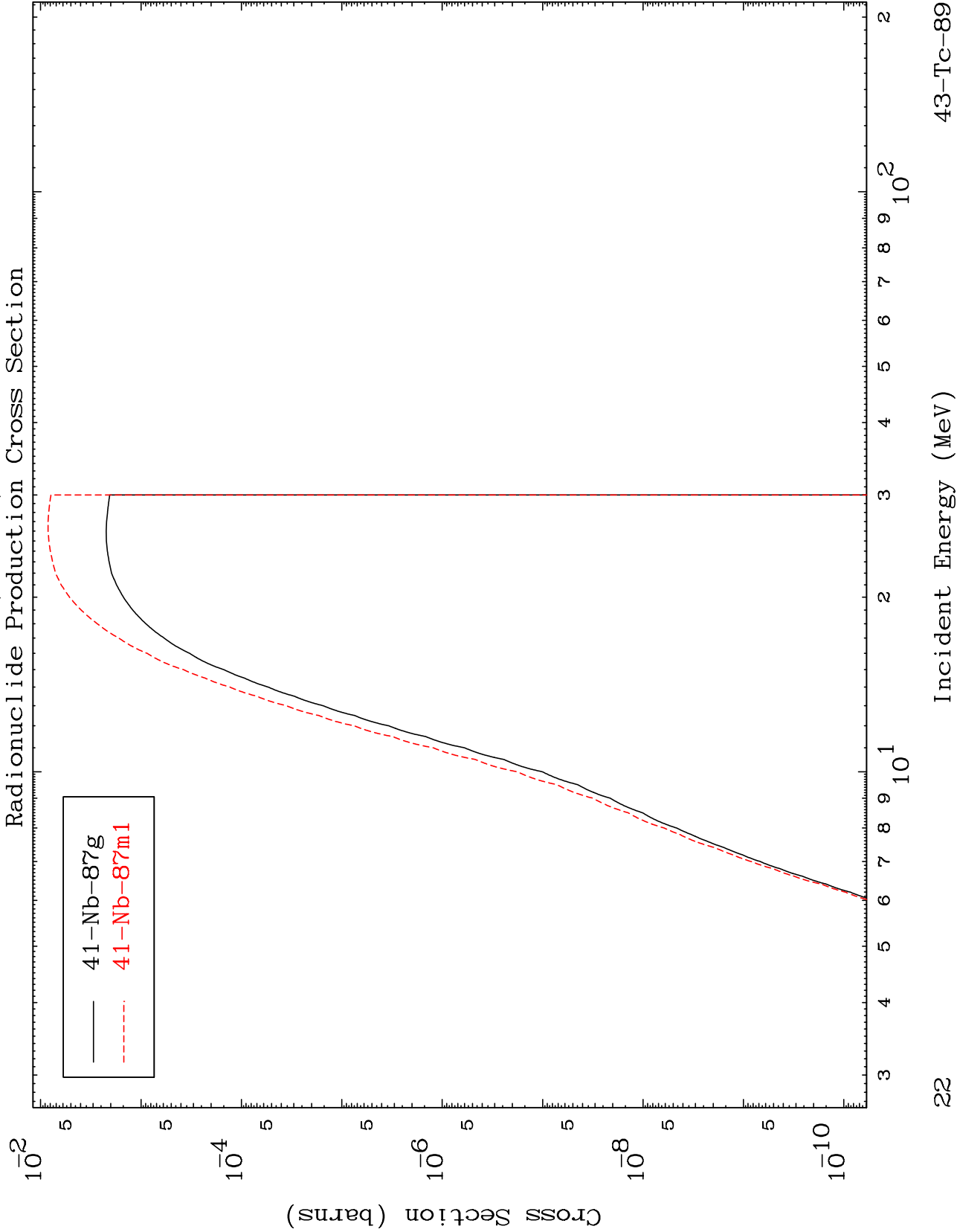
(n,p)  
Radionuclide Production Cross Section



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(n,He-3)

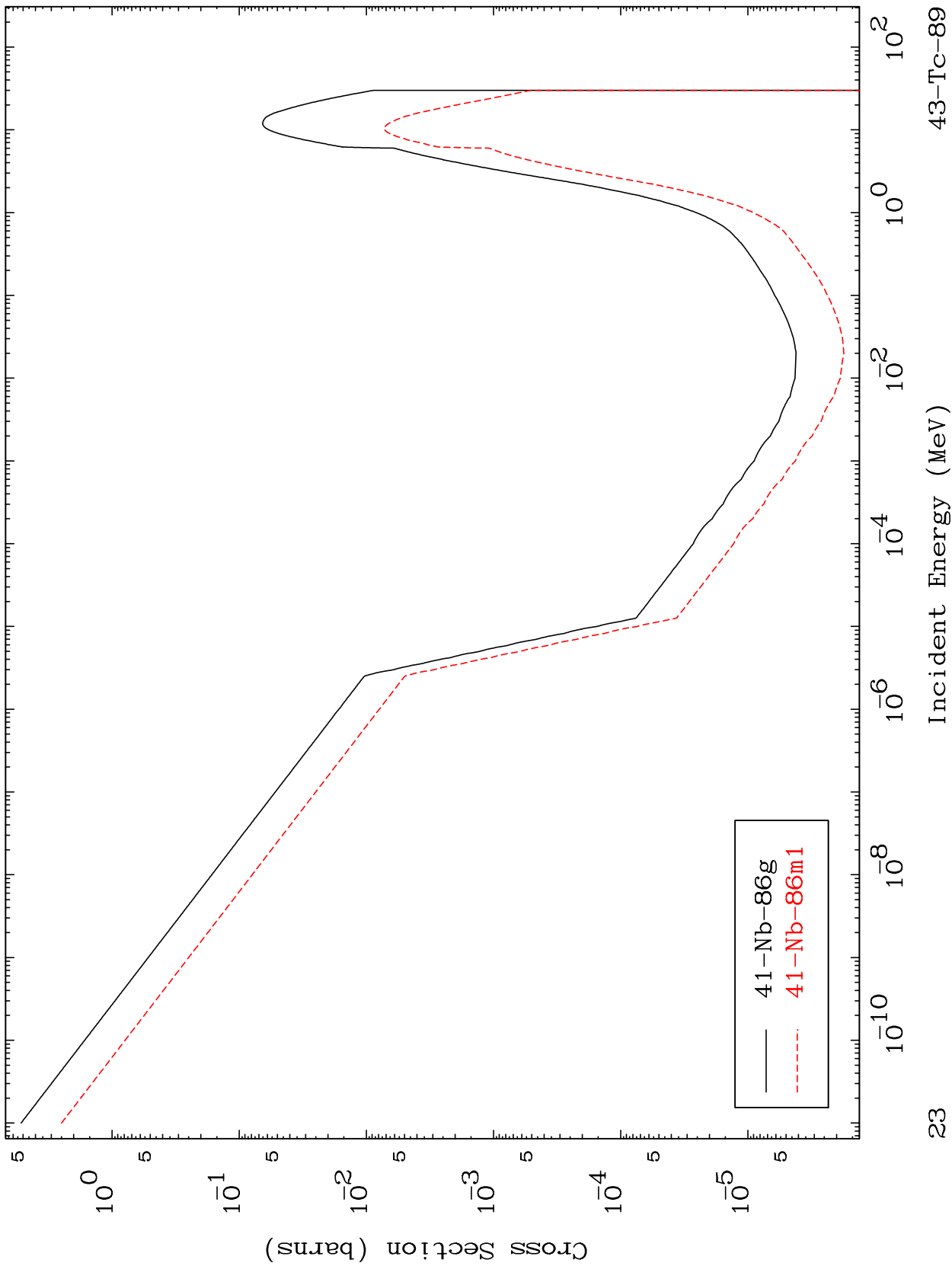
43-Tc-89



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43-Tc-89

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



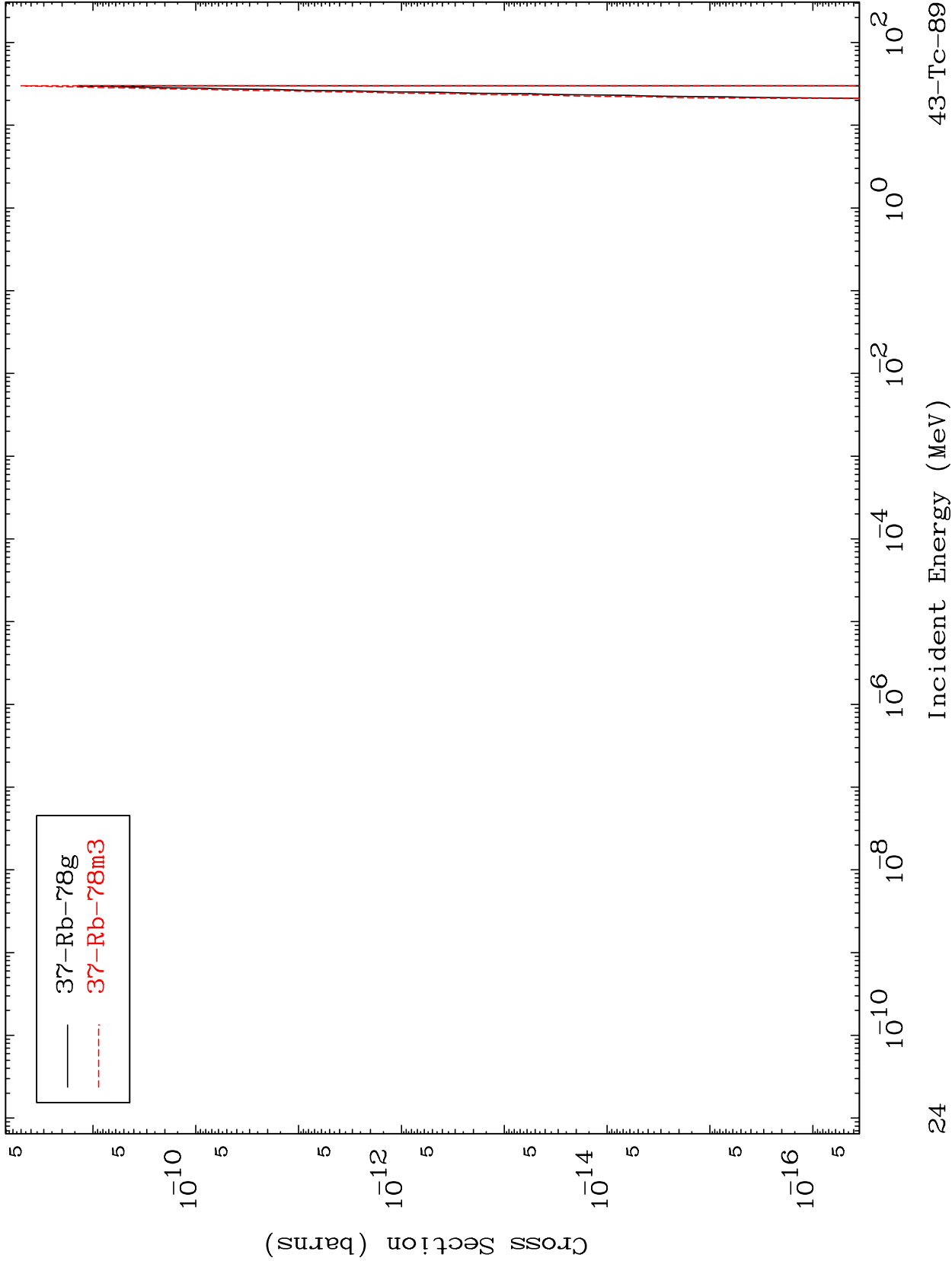


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(n, 3 $\alpha$ )

43-Tc-89

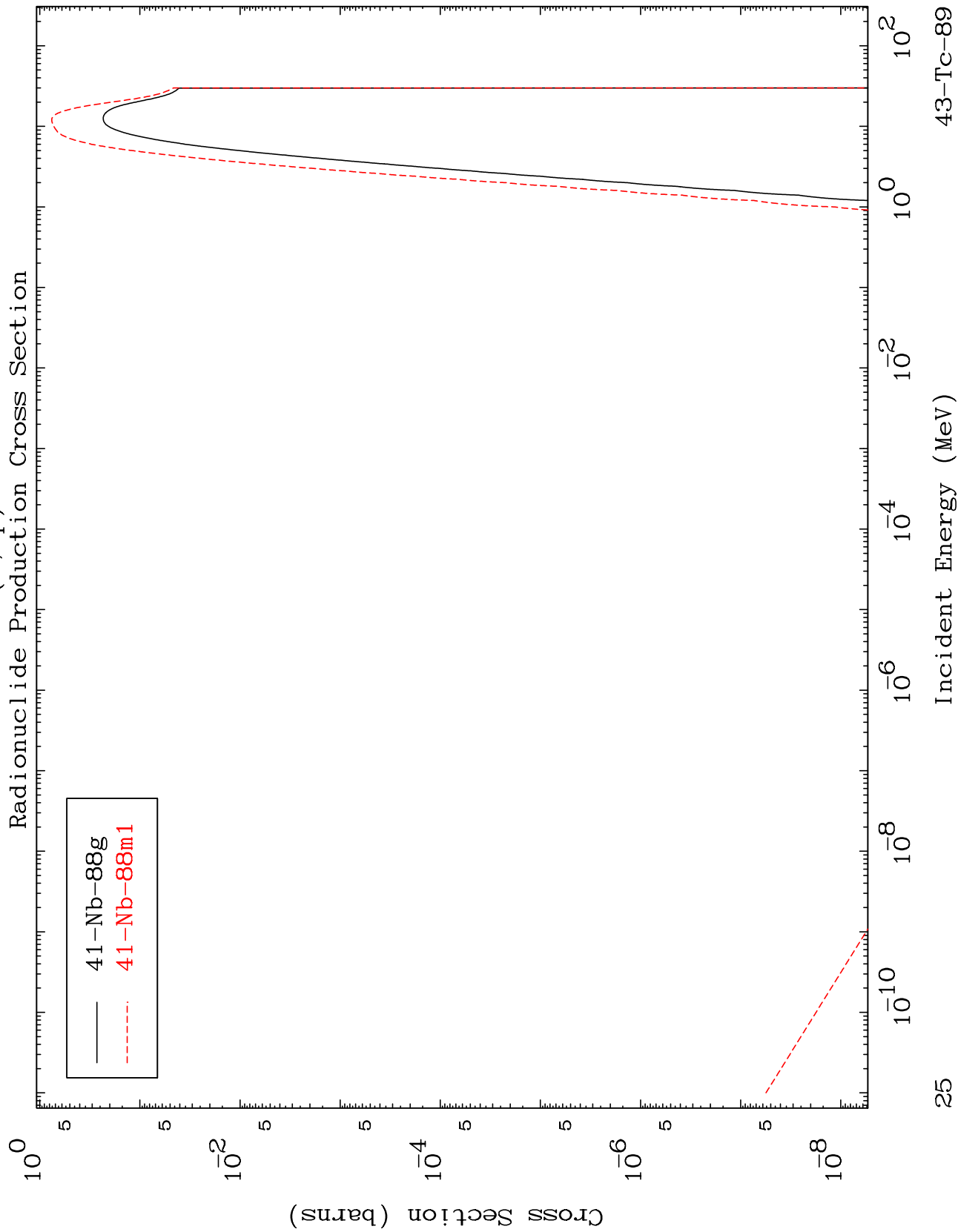
Radionuclide Production Cross Section



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43-Tc-89

(n,2p)  
Radionuclide Production Cross Section



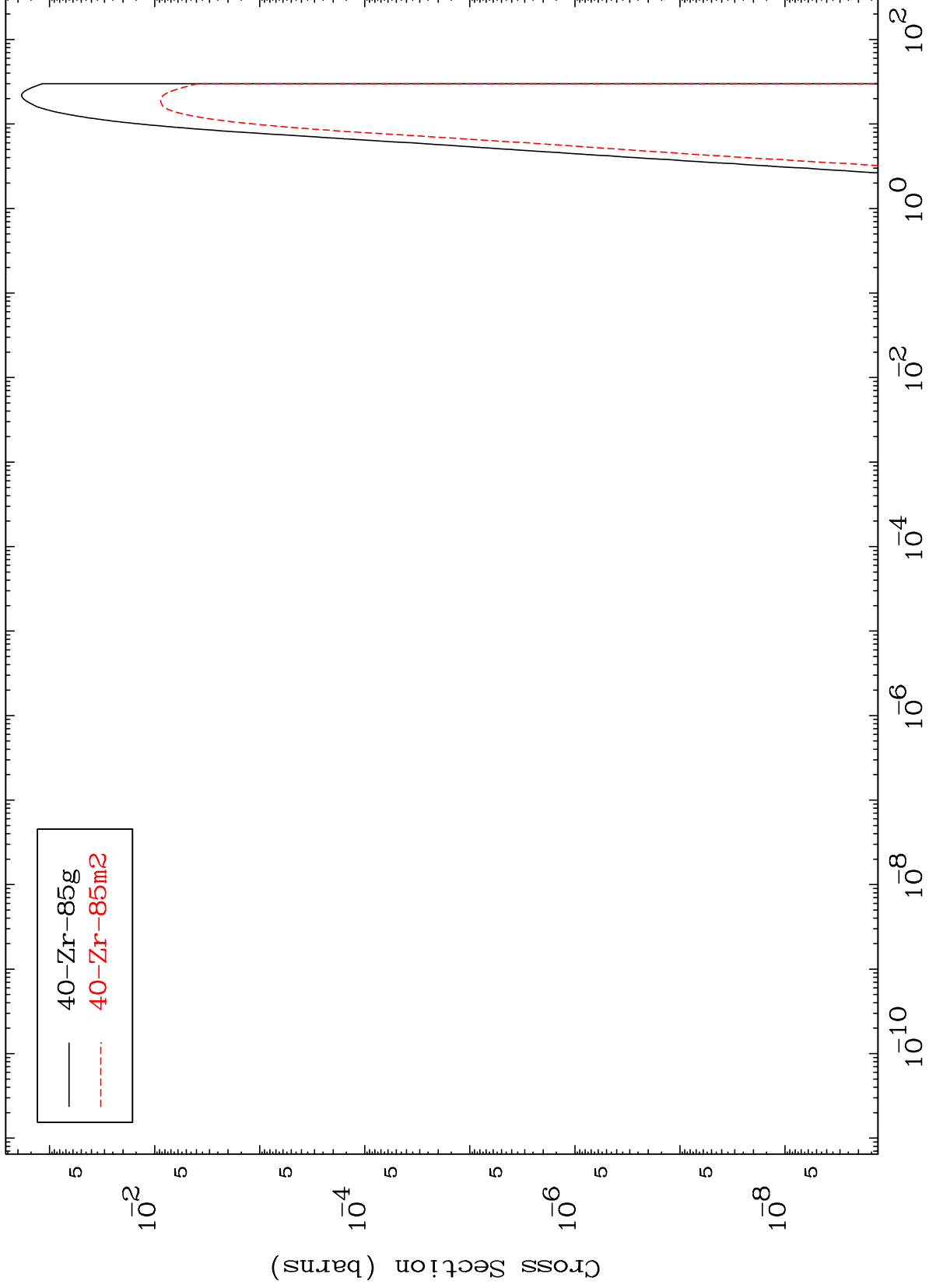
— 41-Nb-88g  
- - - 41-Nb-88m1

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(n,p)  $\alpha$

43-Tc-89

Radionuclide Production Cross Section



26

Incident Energy (MeV)

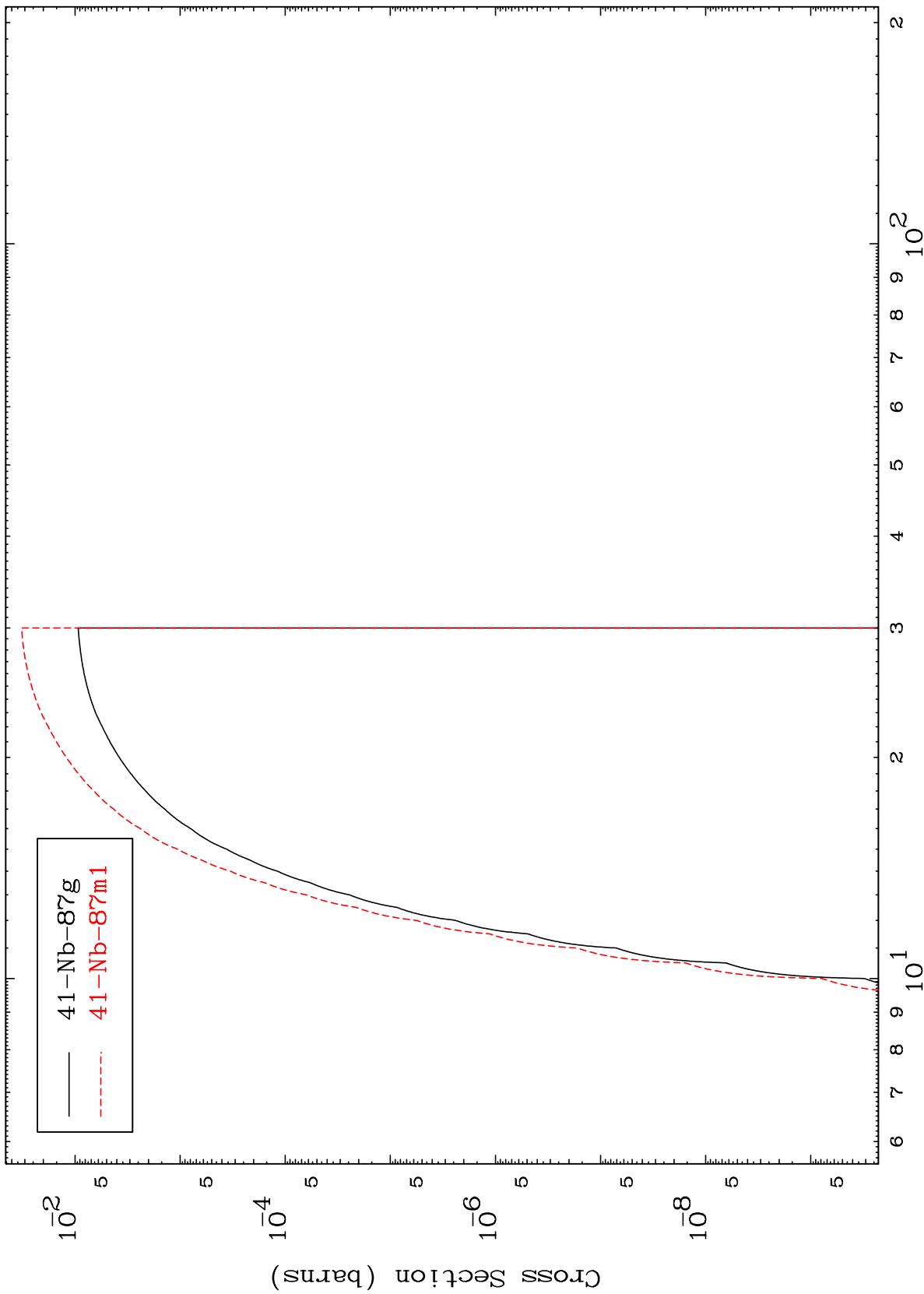
43-Tc-89

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(n,p) d

43-Tc-89

Radionuclide Production Cross Section



27

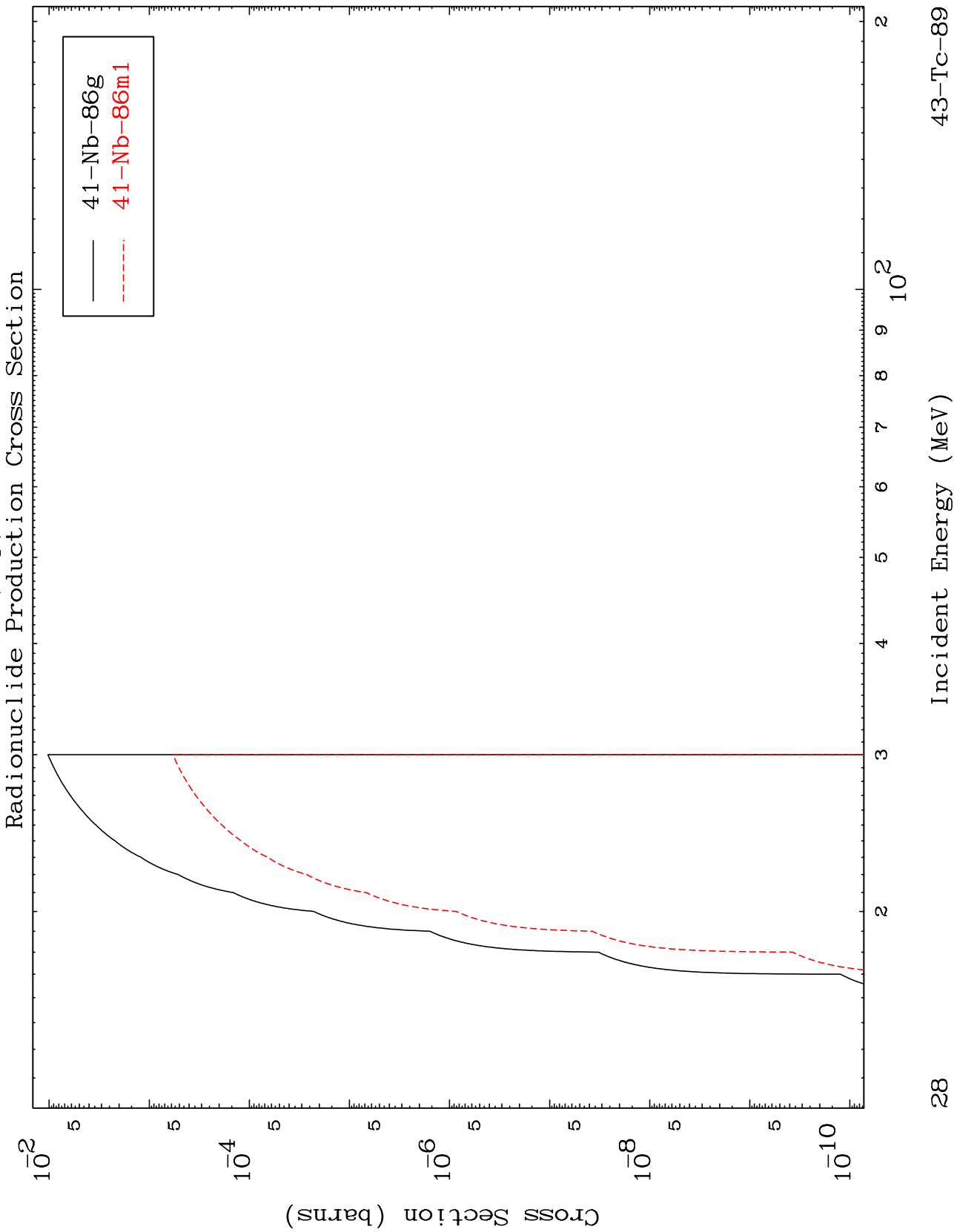
Incident Energy (MeV)

43-Tc-89

MAT 4296

(n,p) t

43-Tc-89



28

43-Tc-89