

Program EVALPLOT  
(Version 2018-1)

by

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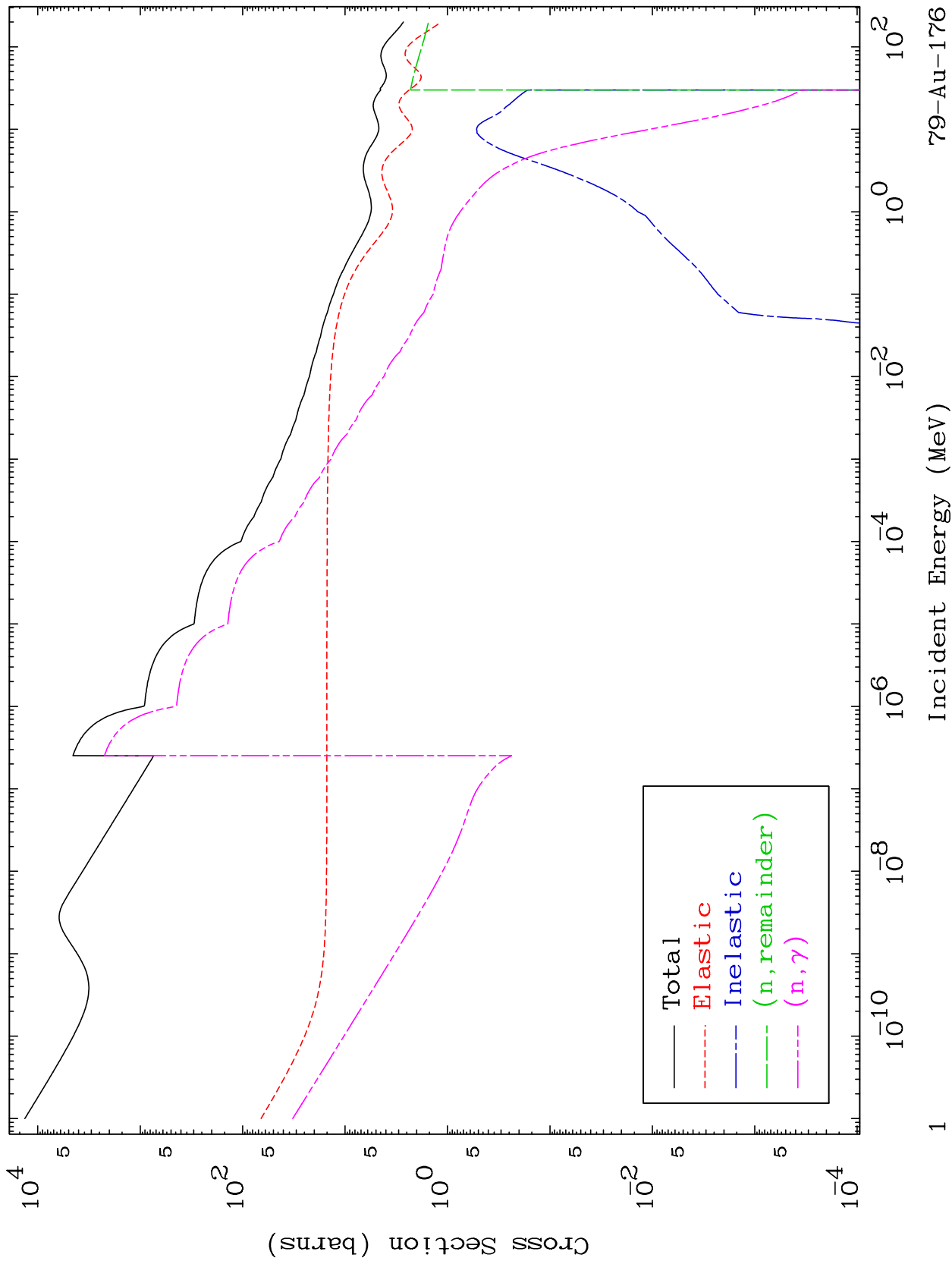
Press Mouse Button to Start

MAT 7863

Major

293 Kelvin Cross Sections

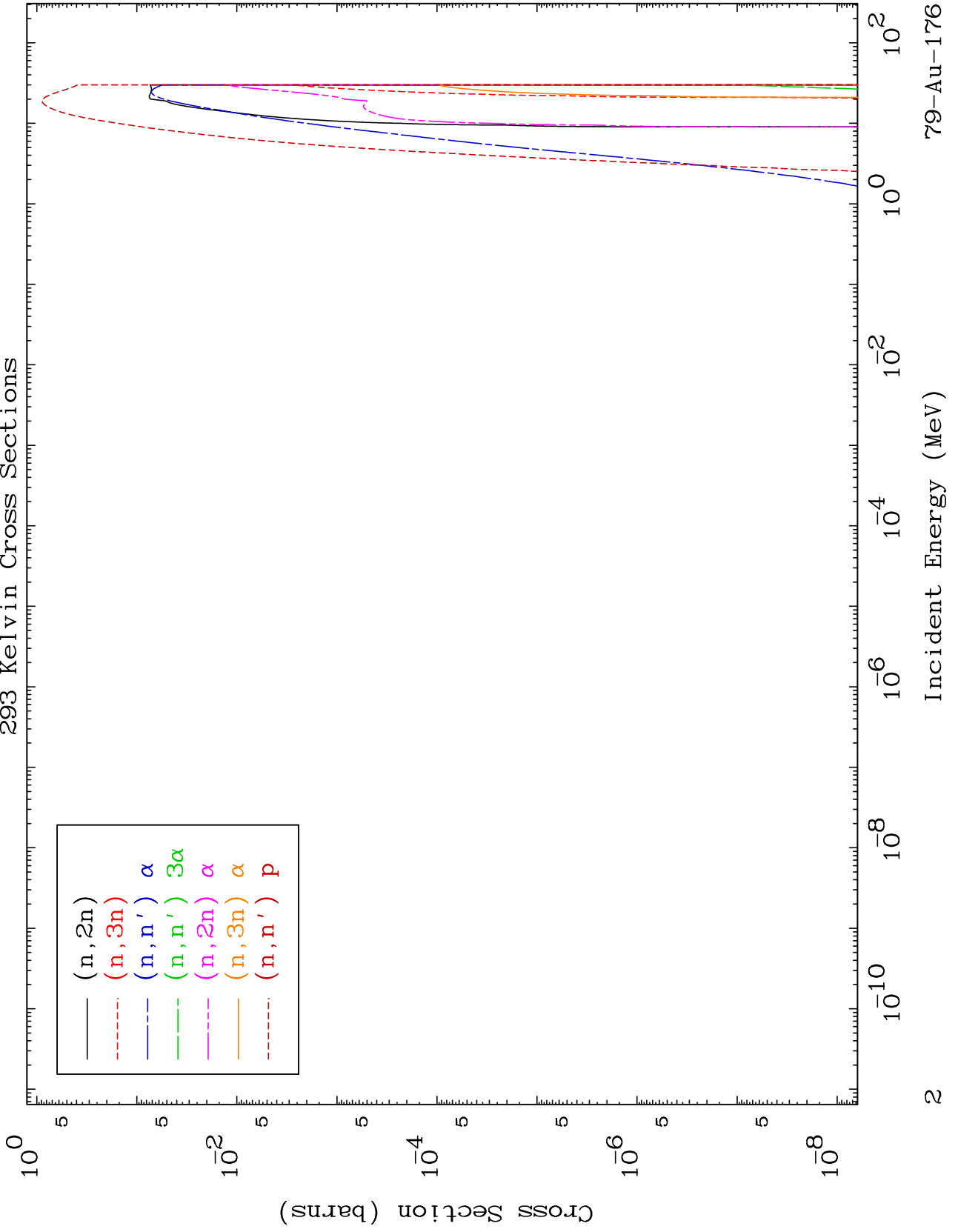
79-Au-176



MAT 7863

Neutron Production  
293 Kelvin Cross Sections

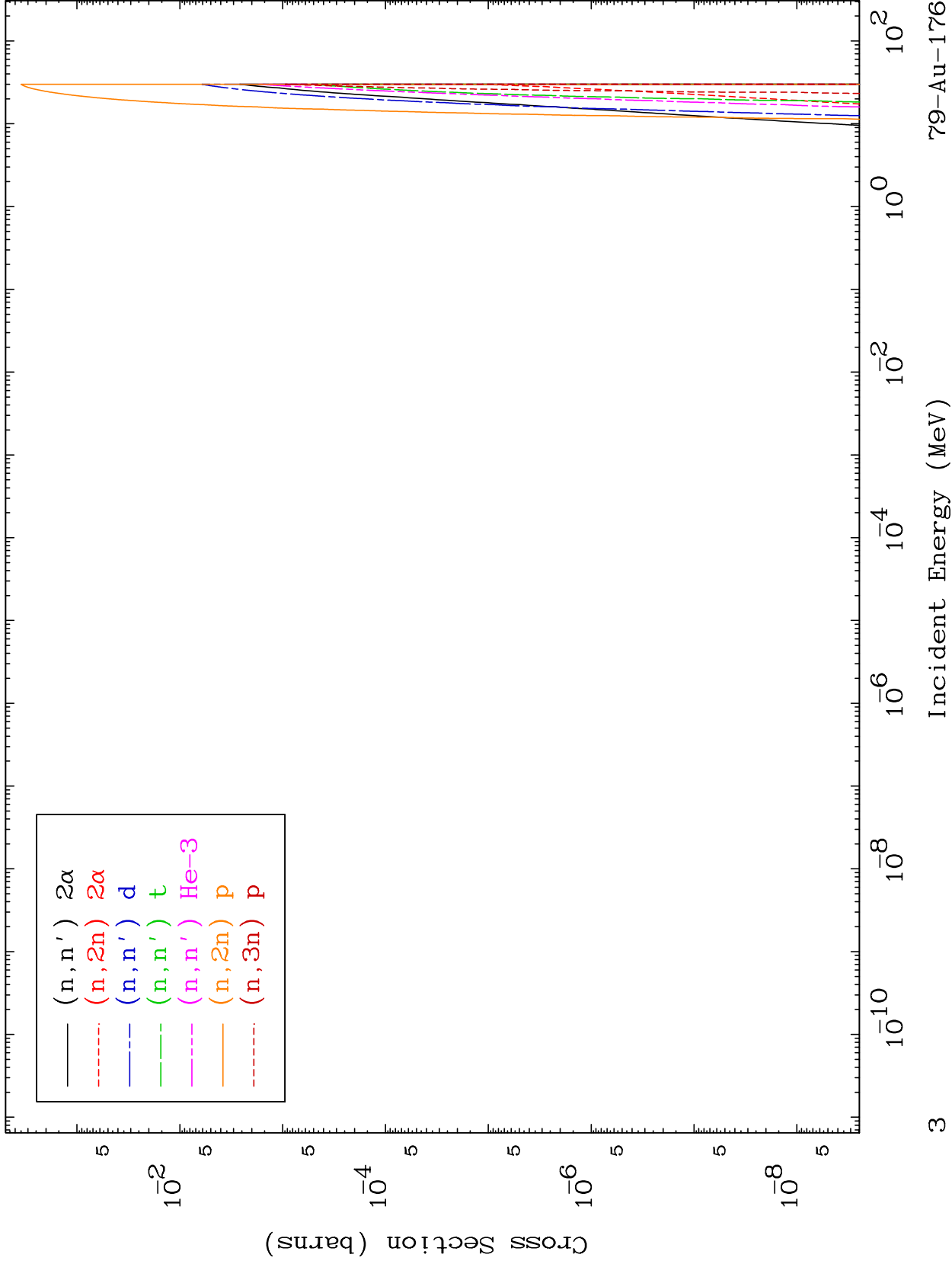
79-Au-176



MAT 7863

Neutron Production  
293 Kelvin Cross Sections

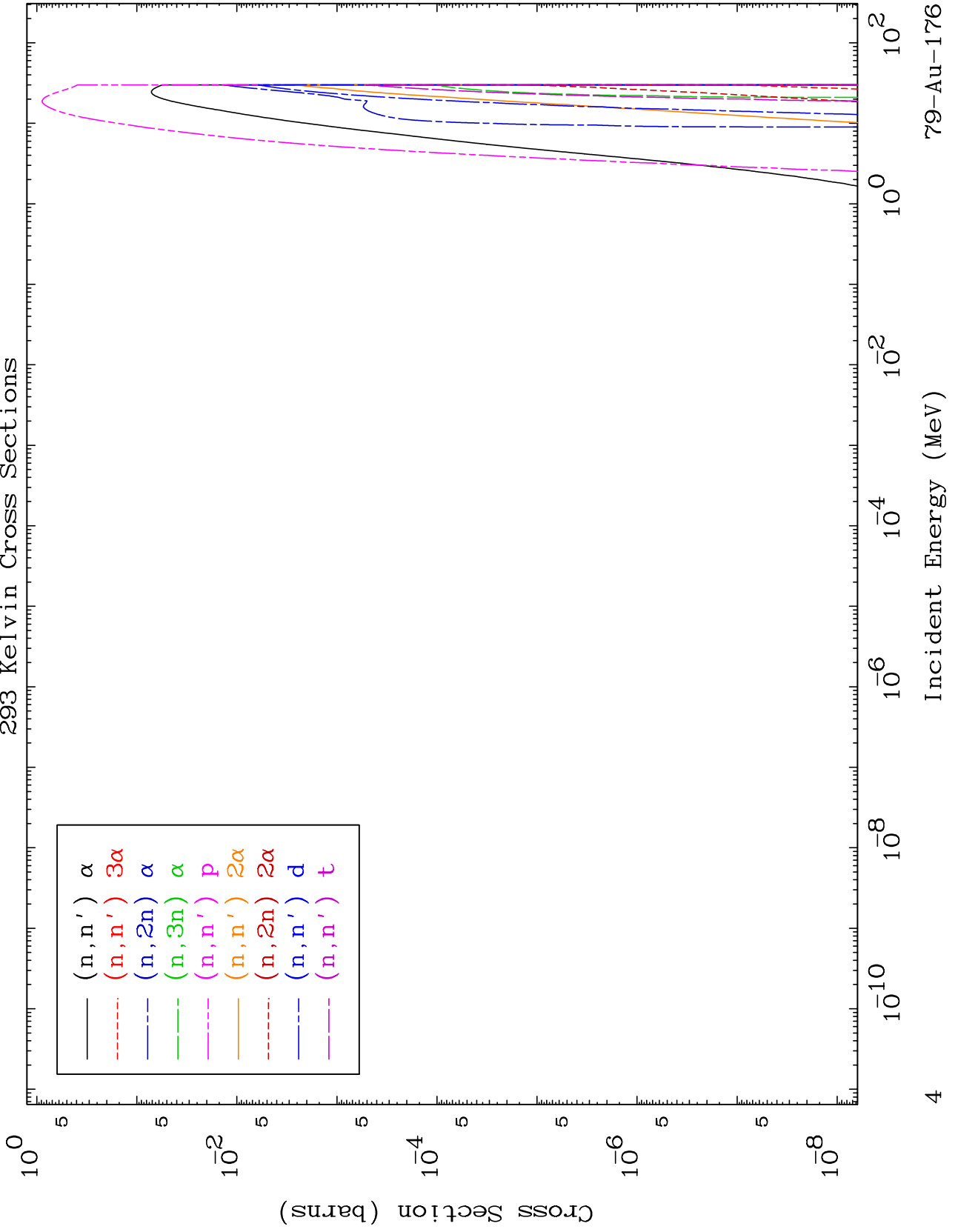
79-Au-176



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Charged Particle  
293 Kelvin Cross Sections

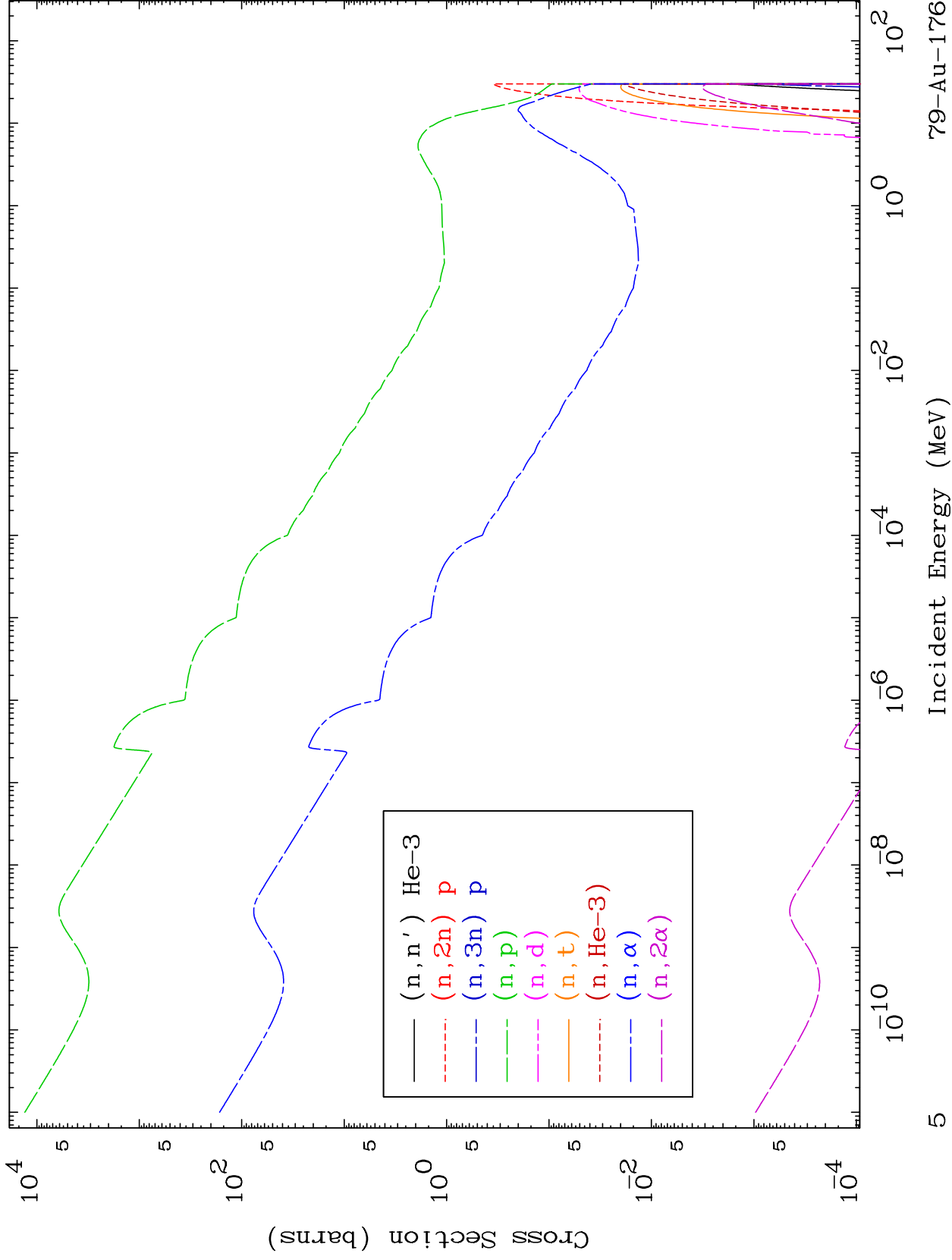
79-Au-176



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Charged Particle  
293 Kelvin Cross Sections

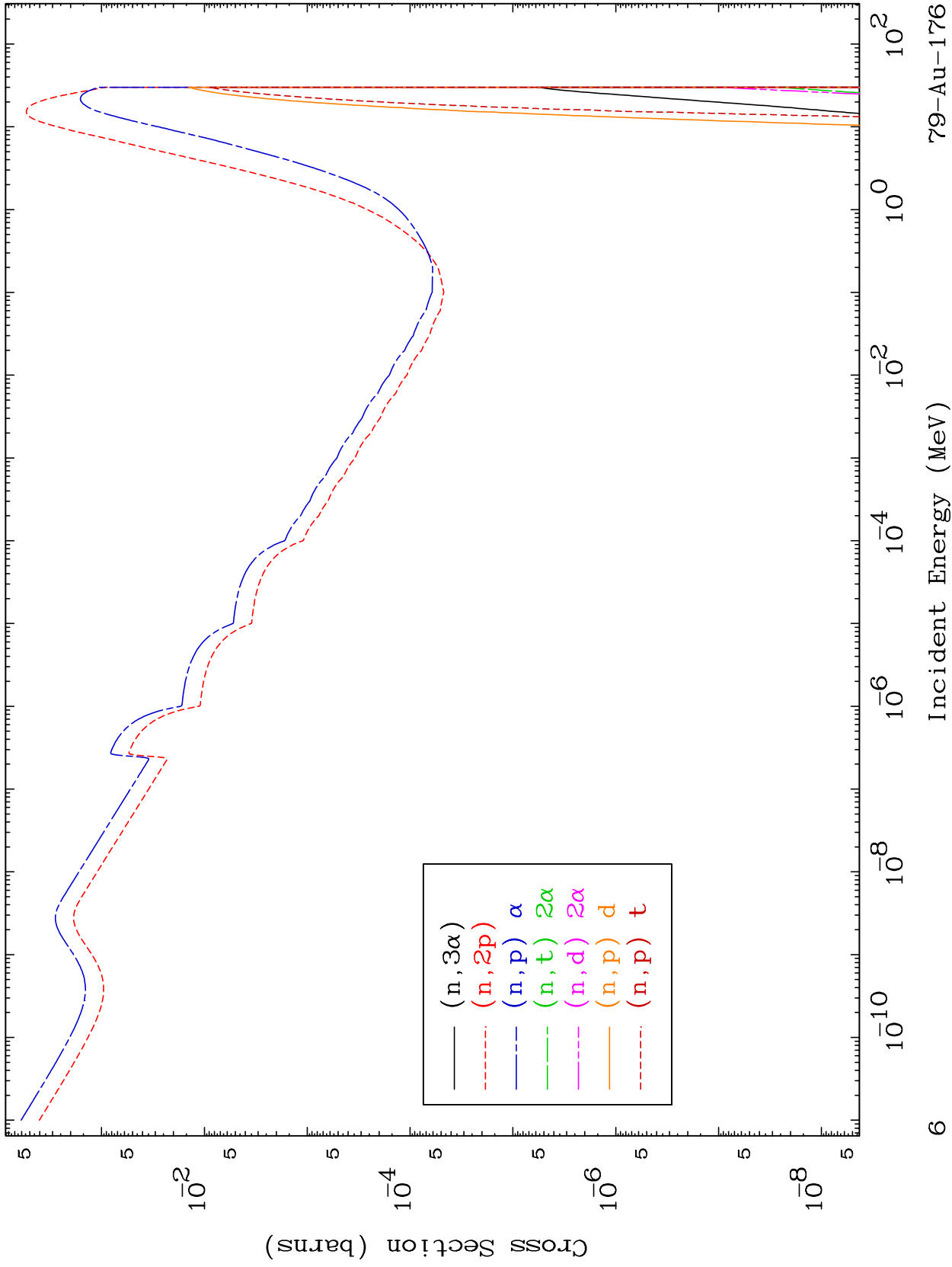
79-Au-176



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Charged Particle  
293 Kelvin Cross Sections

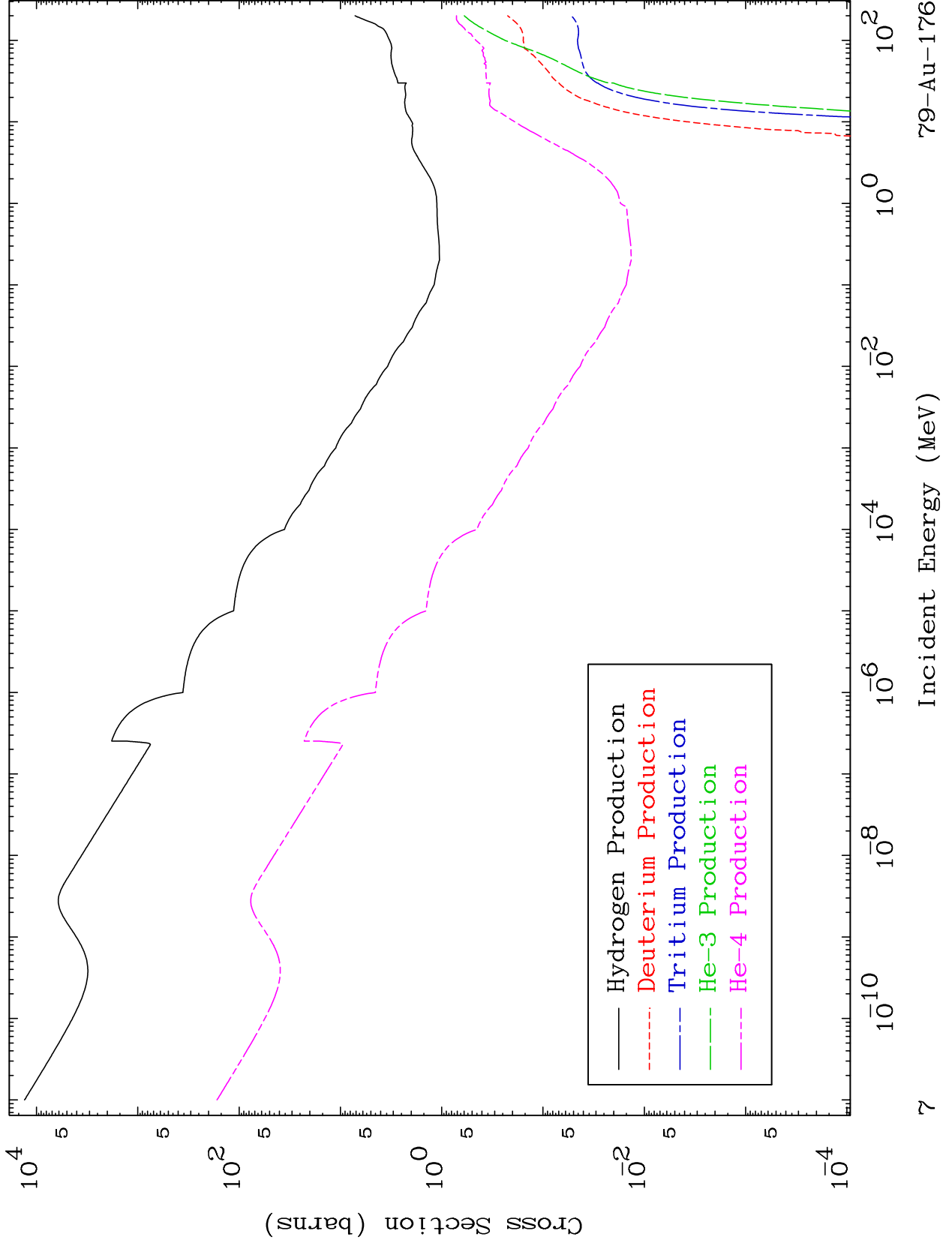
79-Au-176



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Particle Production  
293 Kelvin Cross Sections

79-Au-176



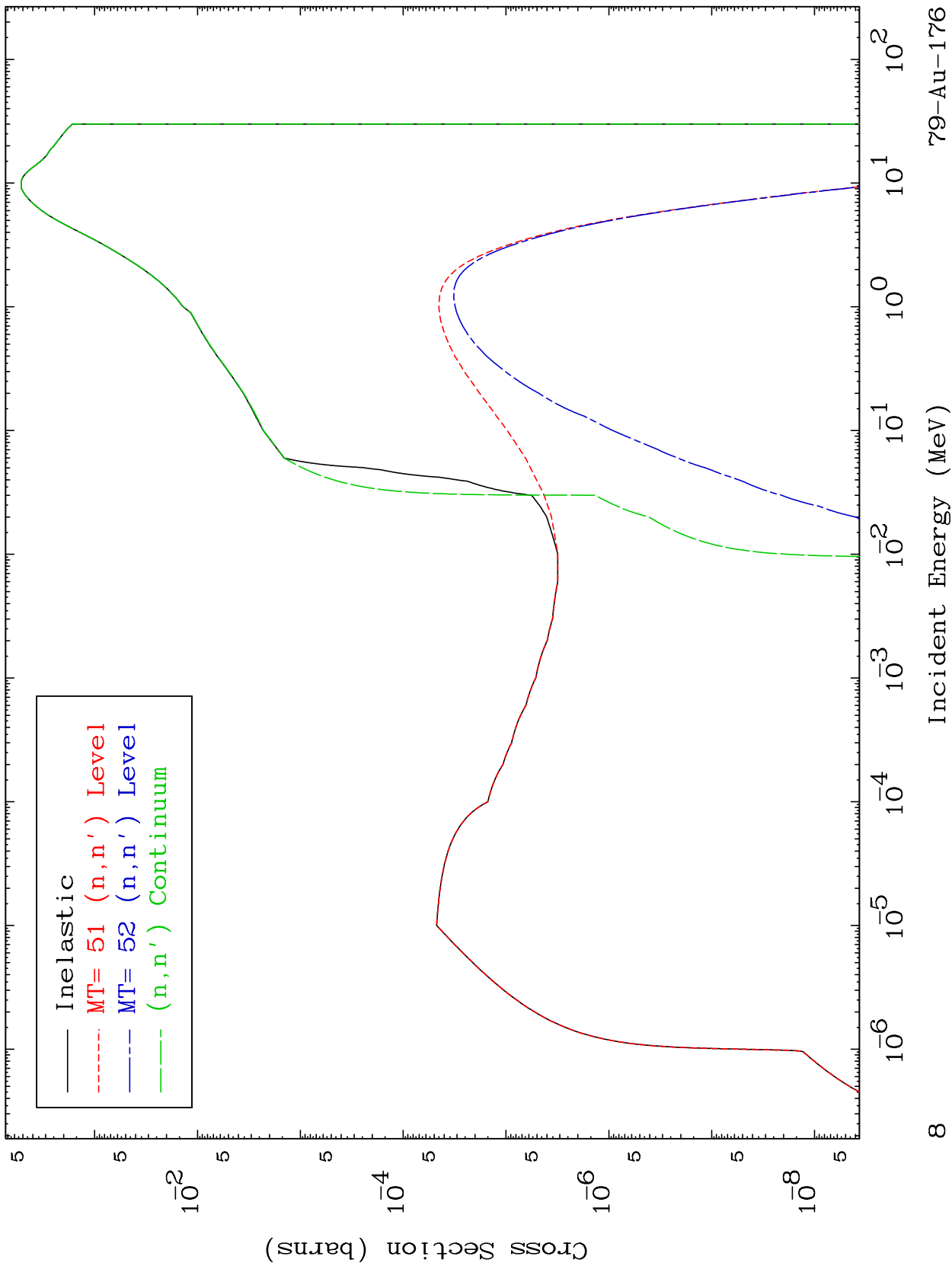


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(n,n') Level

79-Au-176

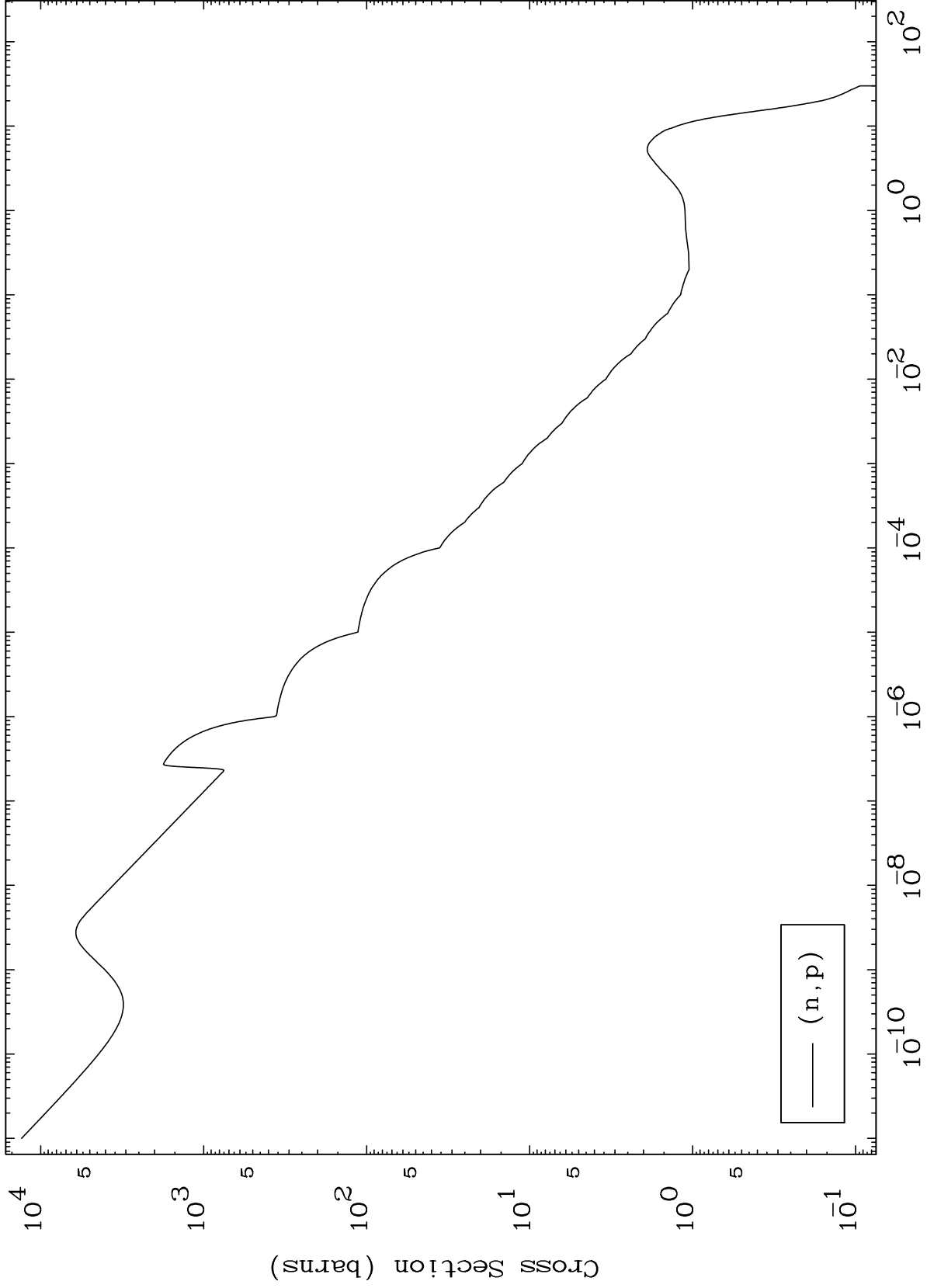
293 Kelvin Cross Sections



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(n,p) Levels  
293 Kelvin Cross Sections

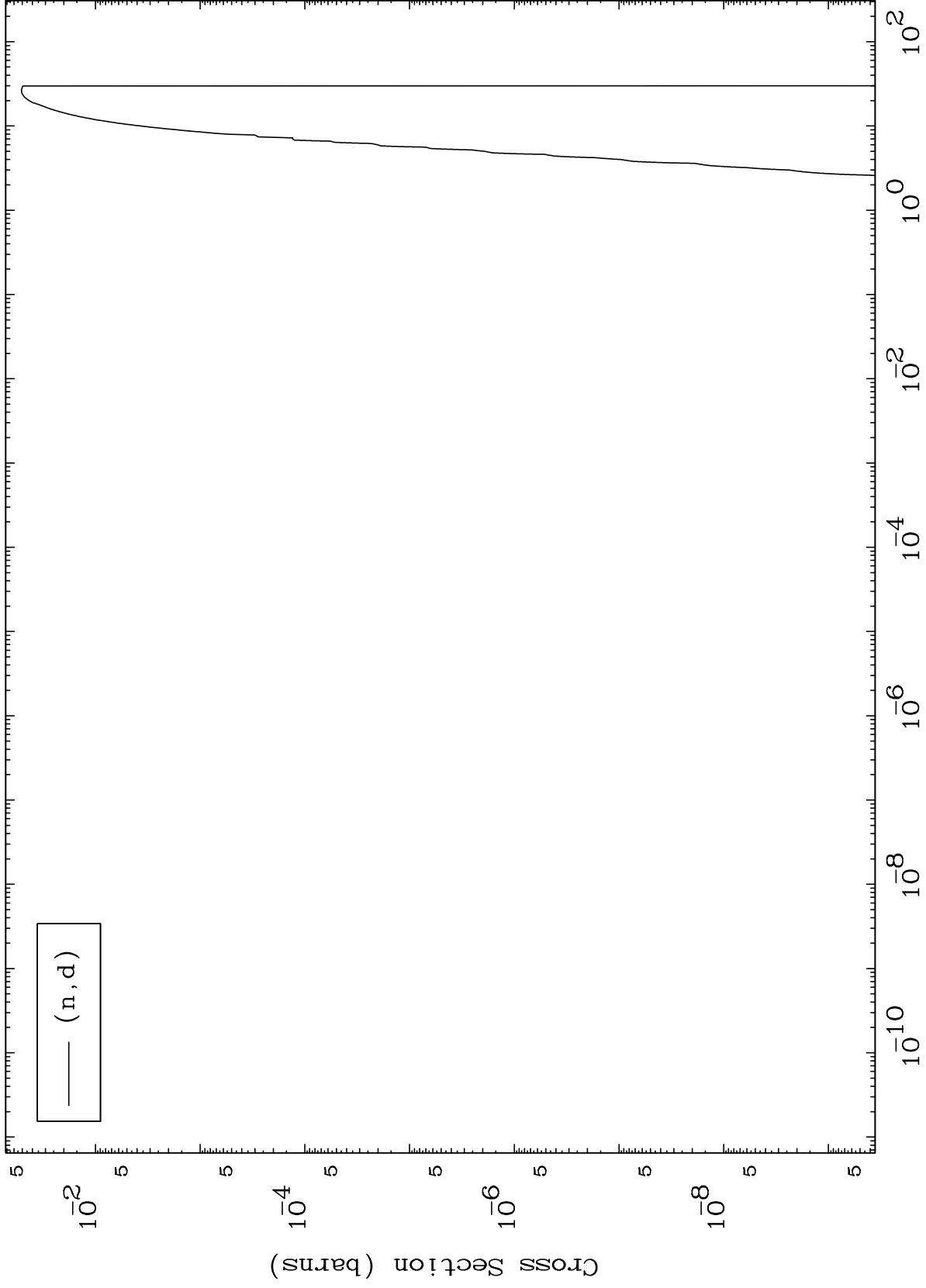
79-Au-176



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(n,d) Levels  
293 Kelvin Cross Sections

79-Au-176



10

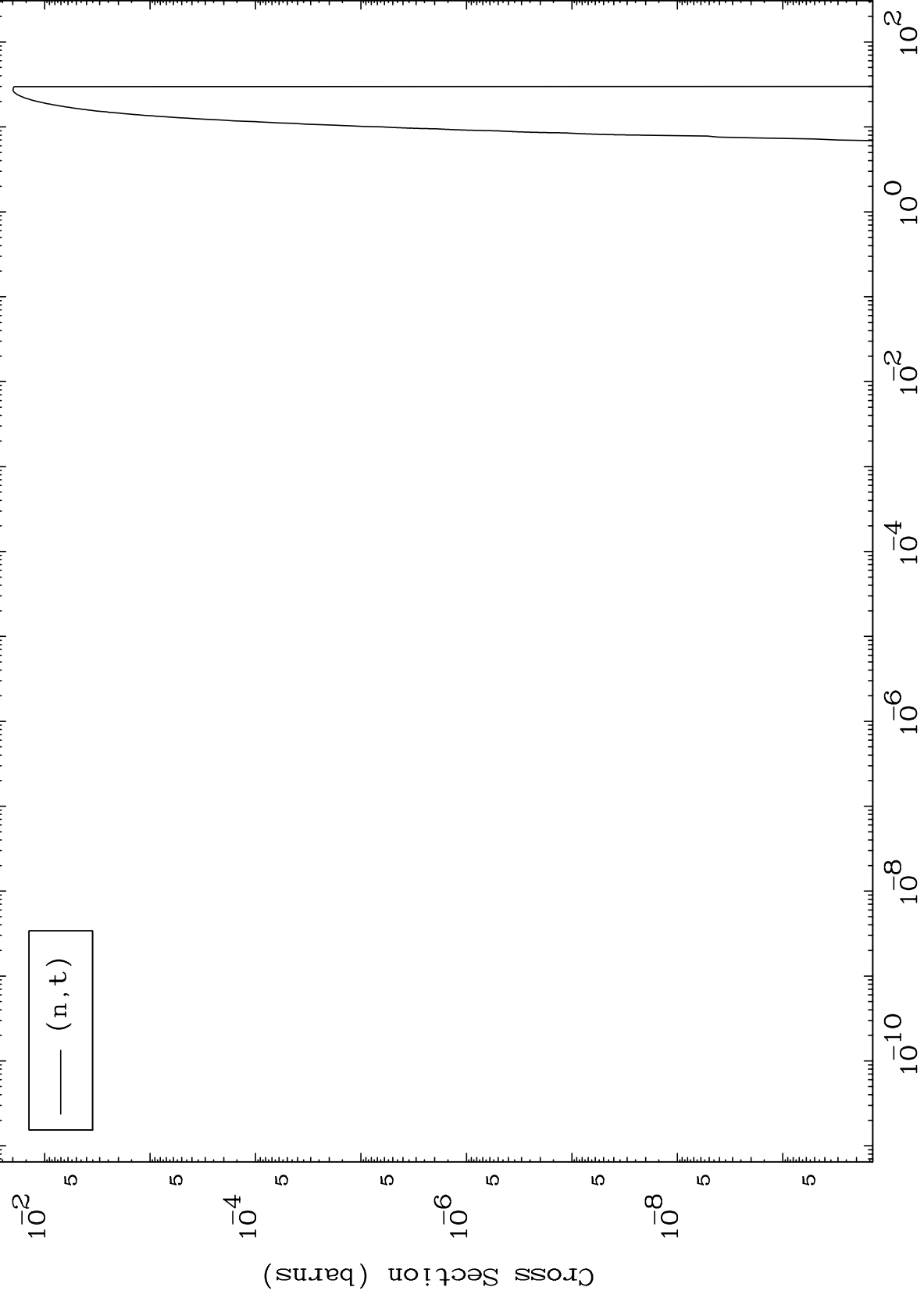
Incident Energy (MeV)

79-Au-176

MAT 7863

(n,t) Levels  
293 Kelvin Cross Sections

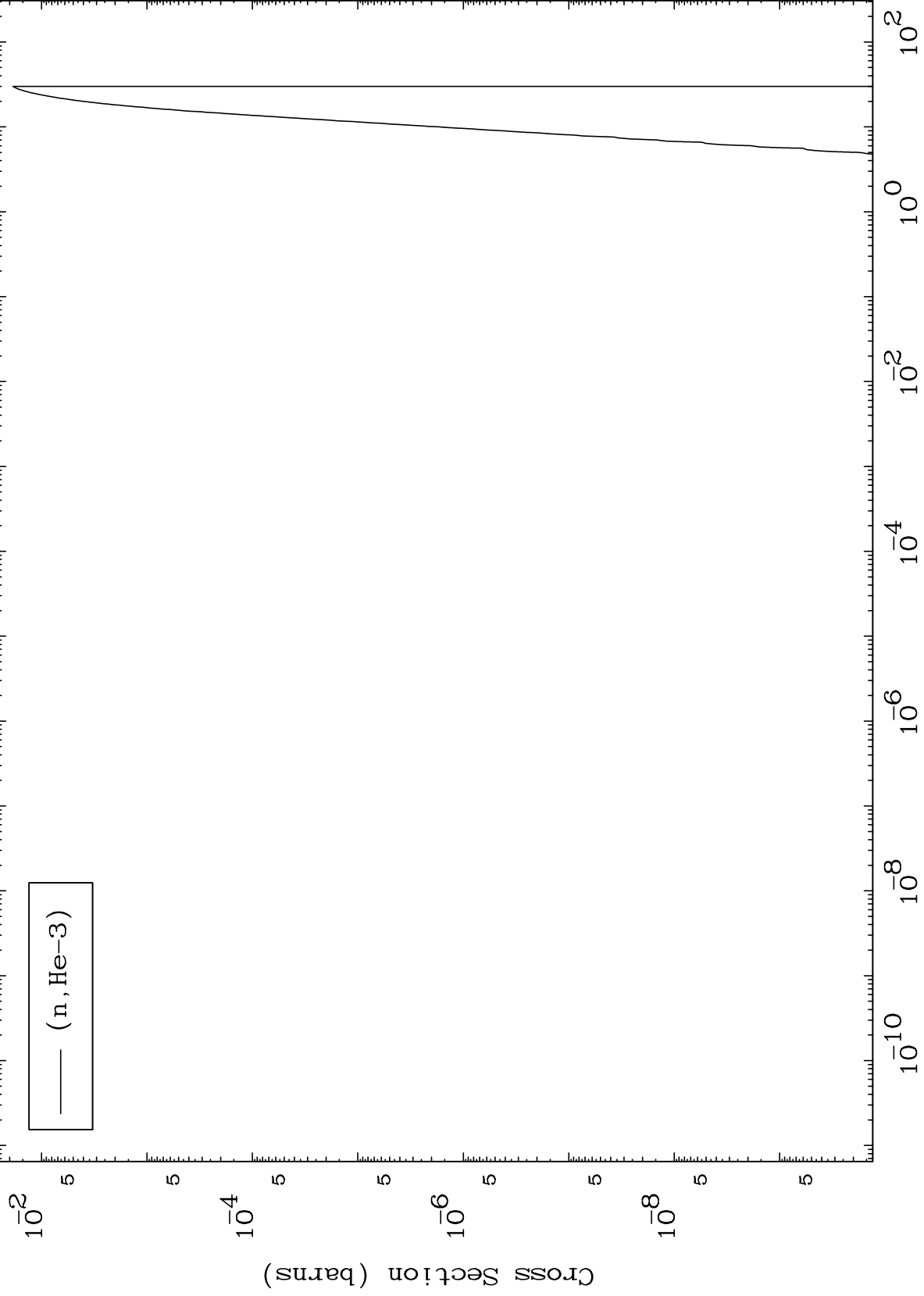
79-Au-176



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(n,He3) Levels  
293 Kelvin Cross Sections

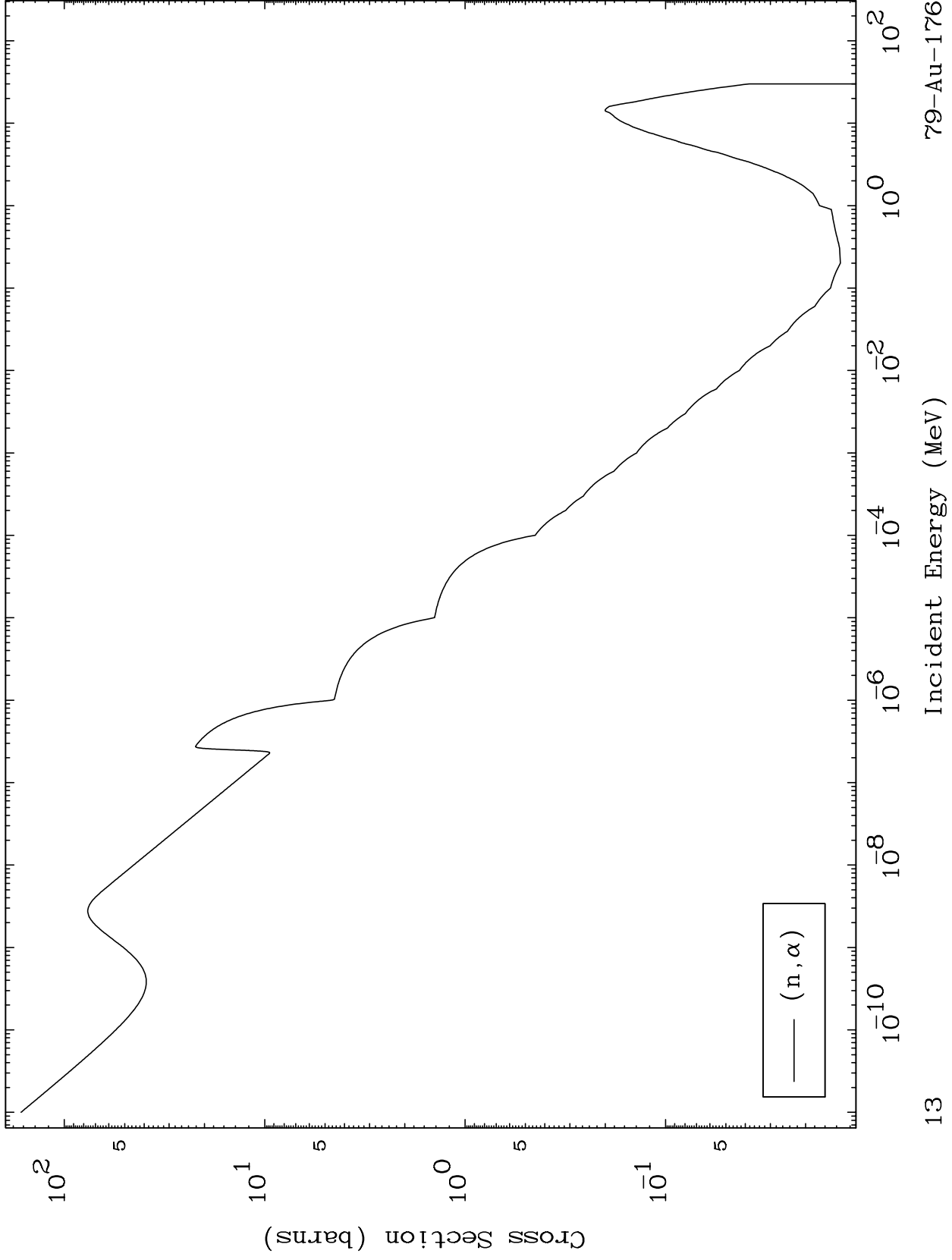
79-Au-176

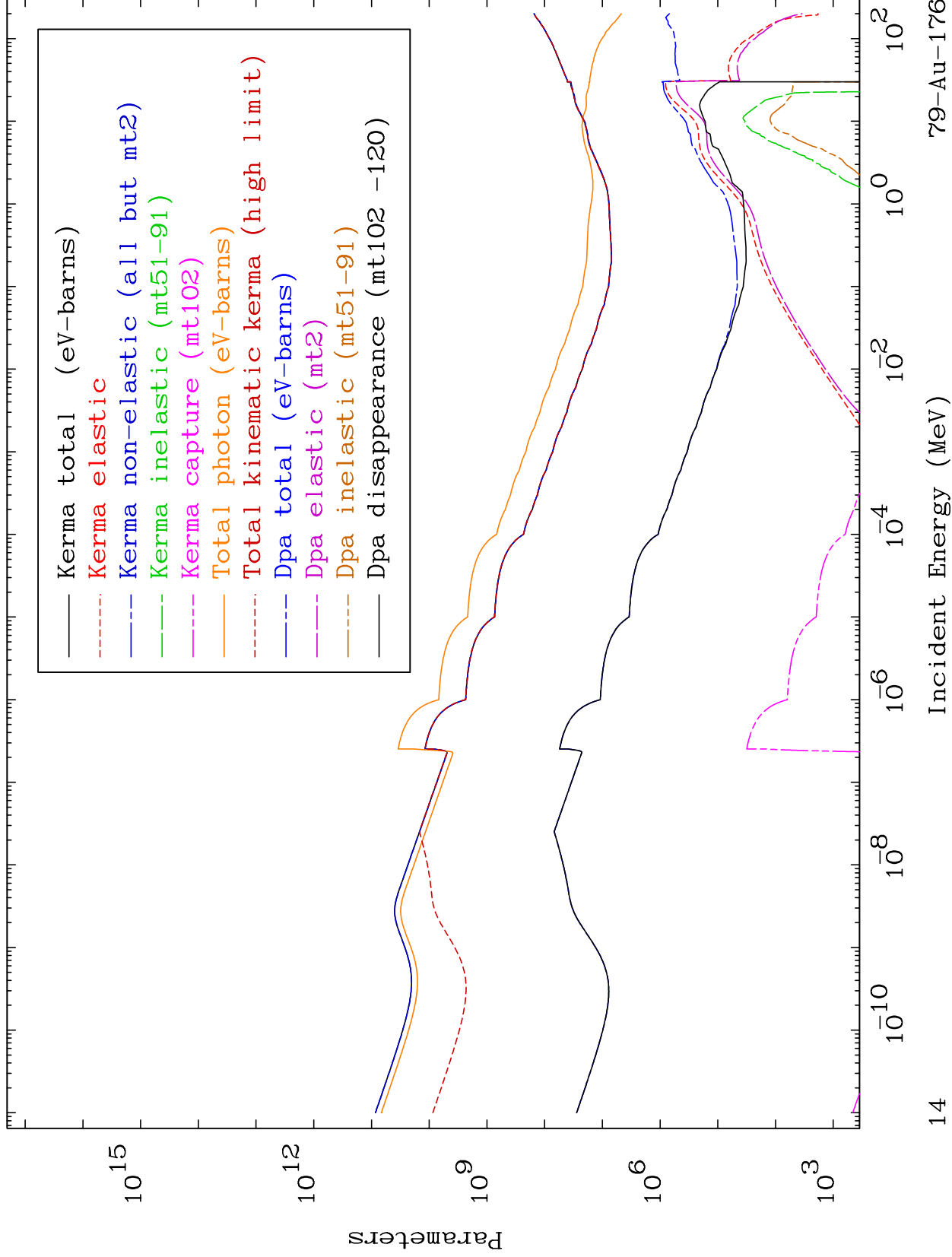


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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

79-Au-176





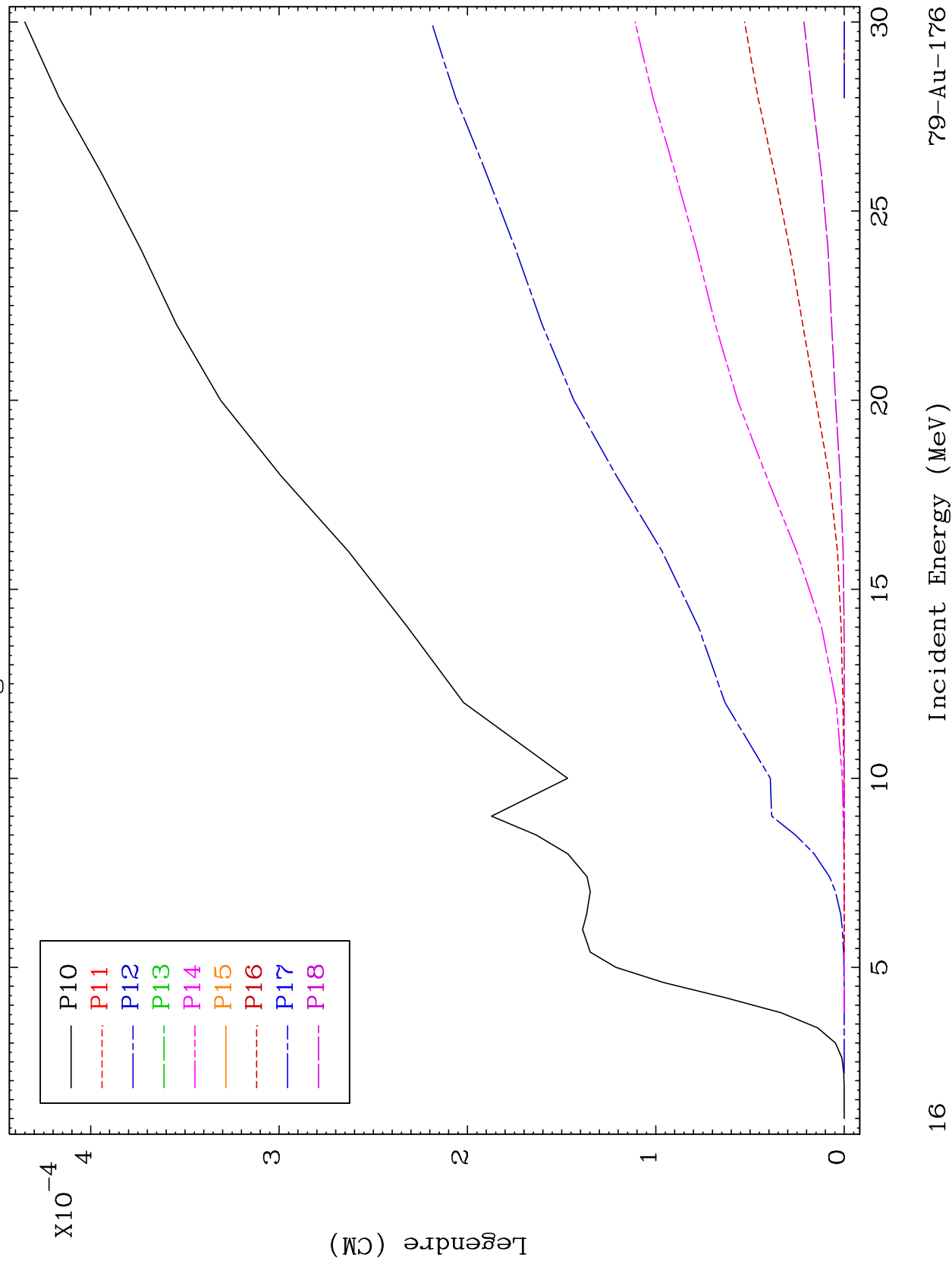




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Elastic Legendre Coefficients

79-Au-176



16

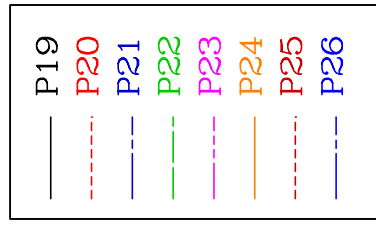
Incident Energy (MeV)

79-Au-176

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Elastic  
Legendre Coefficients

79-Au-176



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

25

30

17

Incident Energy (MeV)

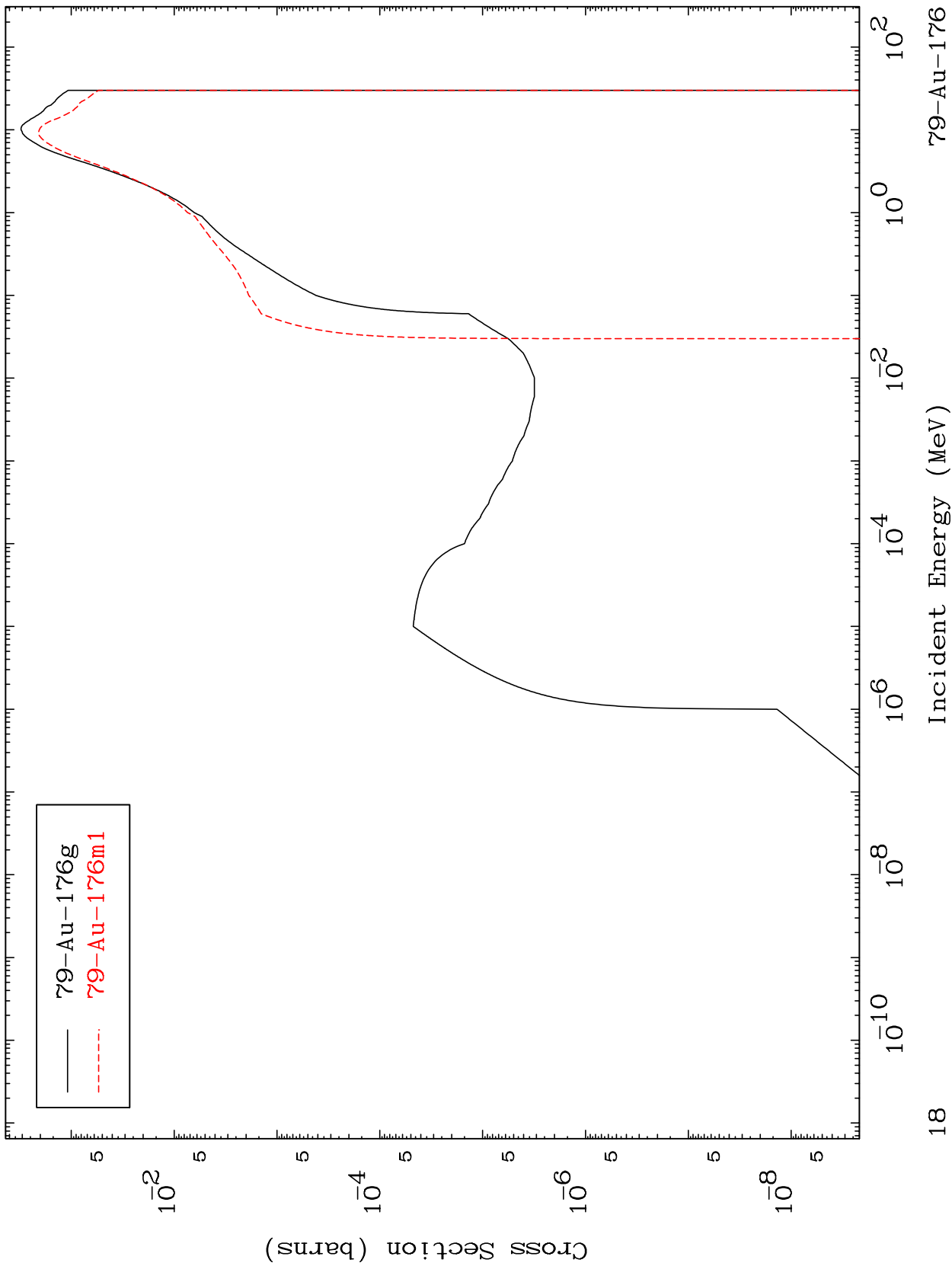
79-Au-176



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Inelastic  
Radionuclide Production Cross Section

<sup>79</sup>Au-176

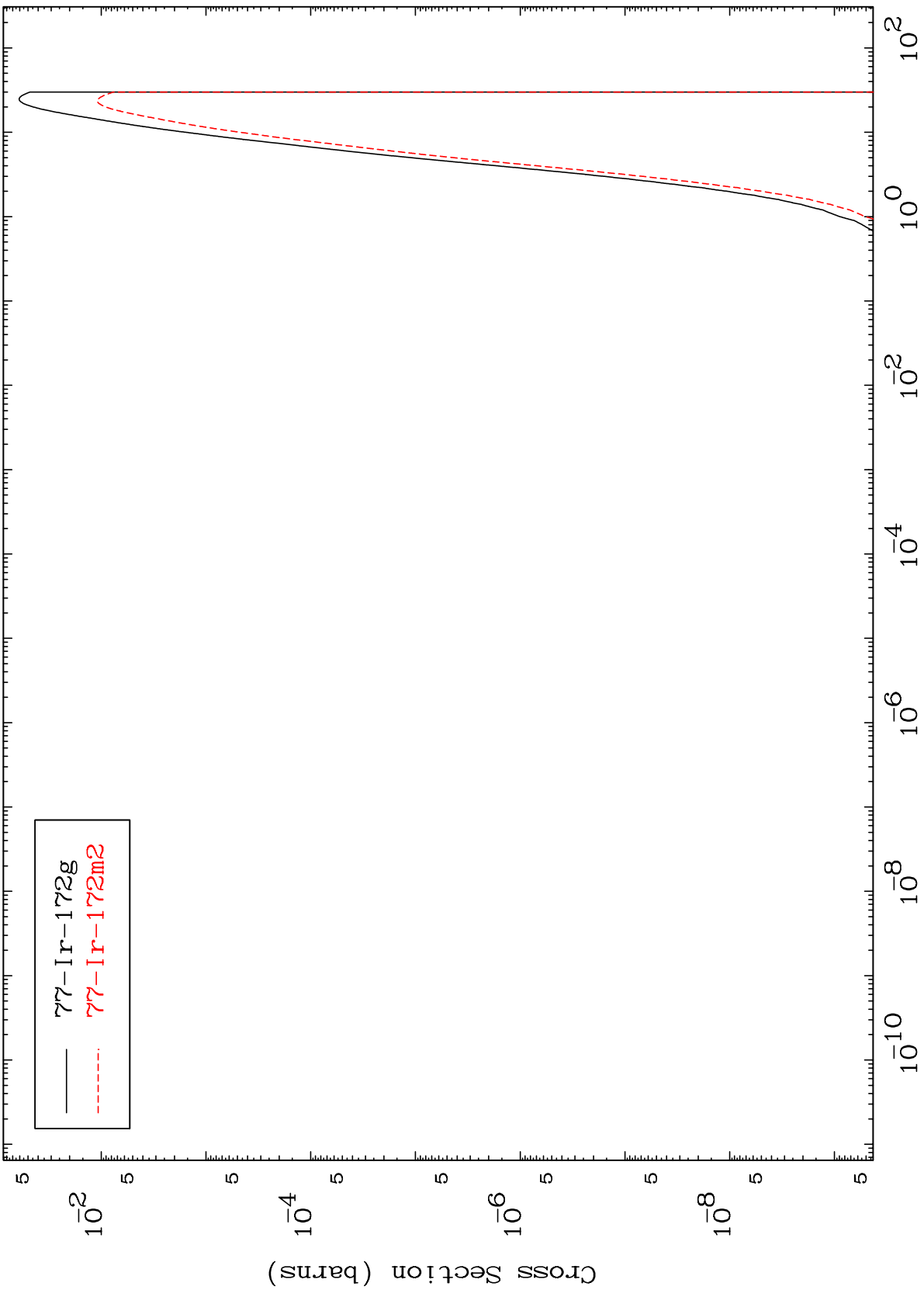


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$(n, n') \alpha$

$^{79}\text{Au-176}$

Radionuclide Production Cross Section

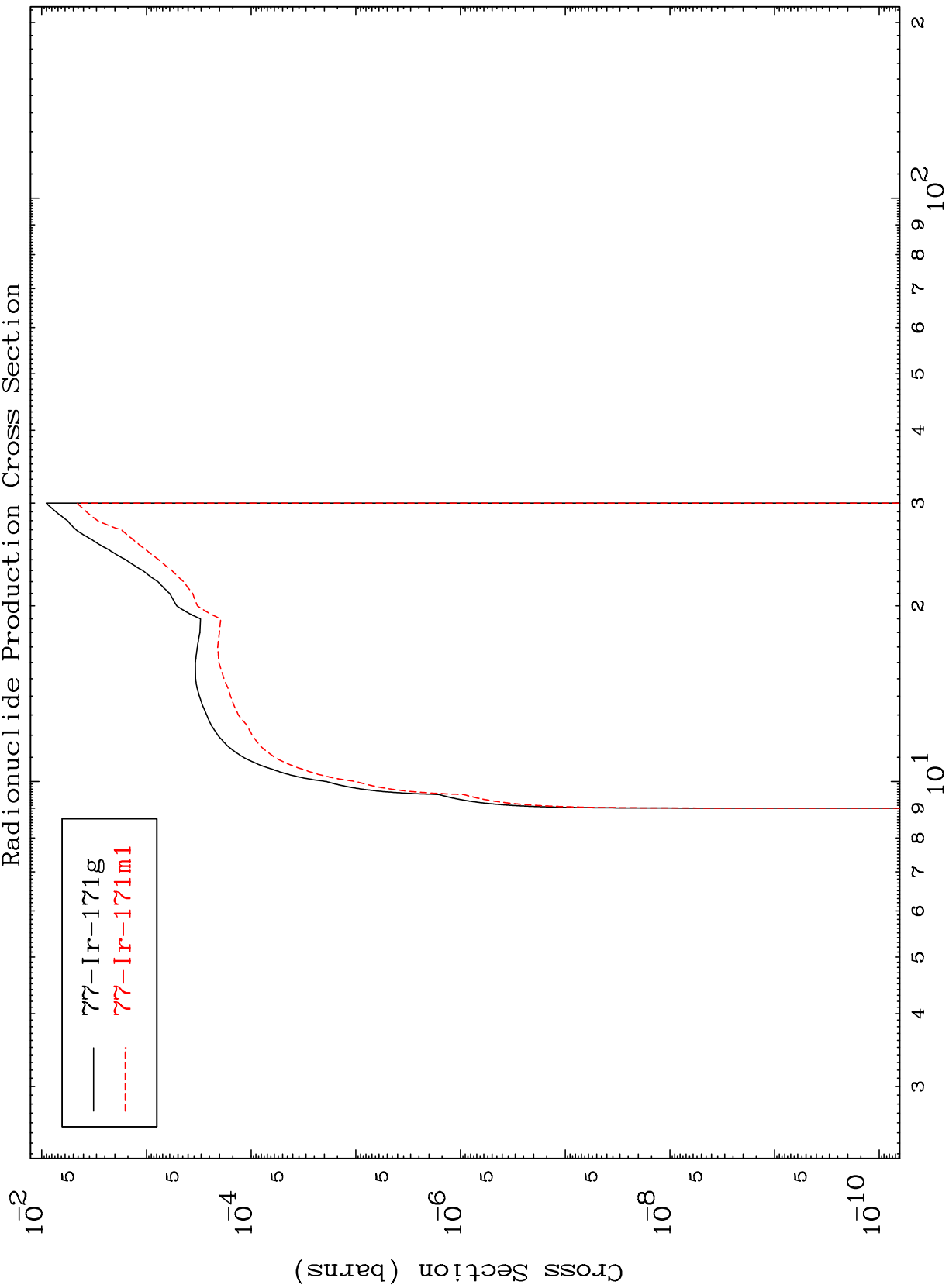


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$(n,2n) \alpha$

$^{79}\text{Au-176}$

Radionuclide Production Cross Section



Incident Energy (MeV)

$^{79}\text{Au-176}$

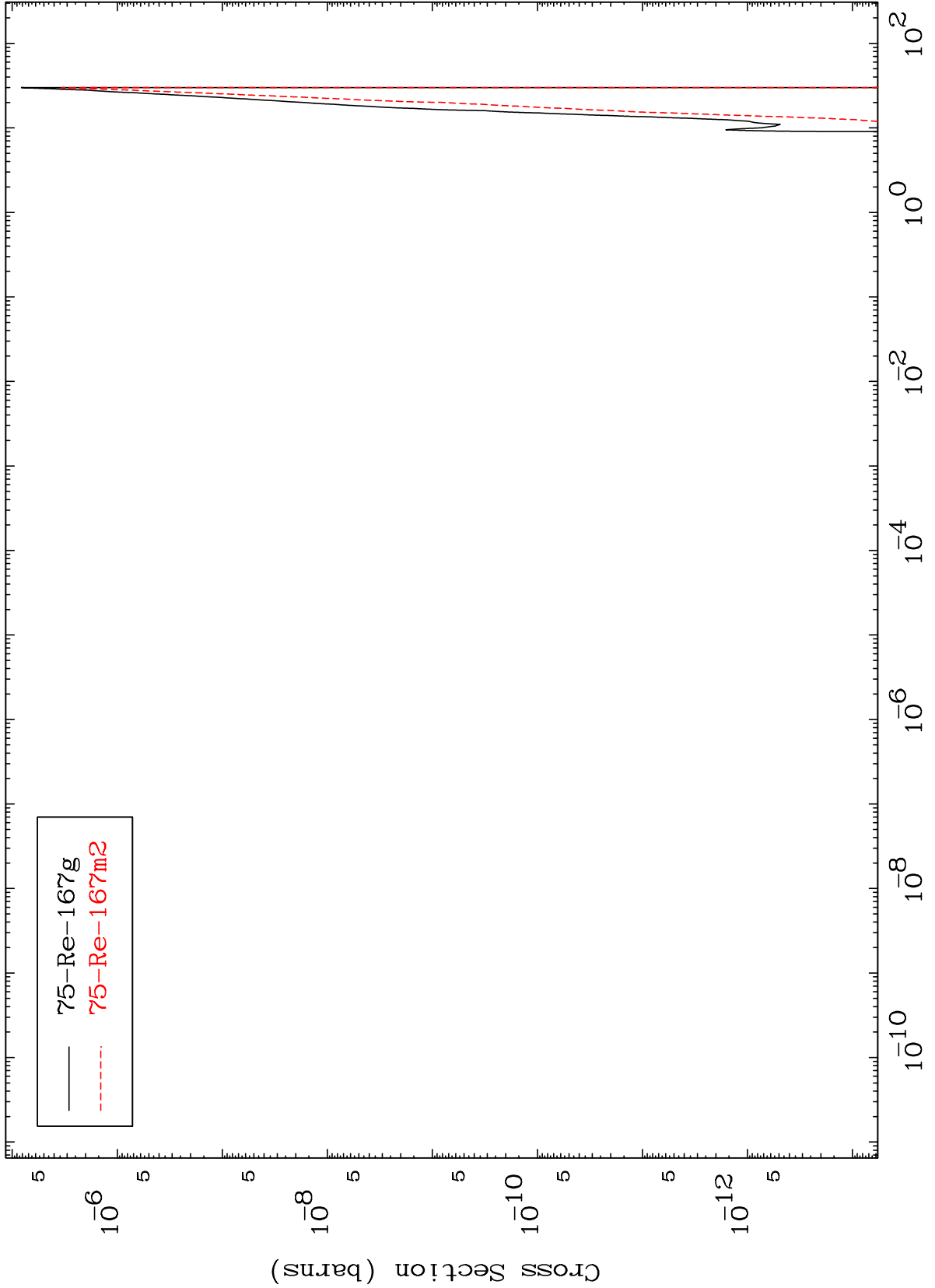
20

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(n,2n) 2α

79-Au-176

Radionuclide Production Cross Section



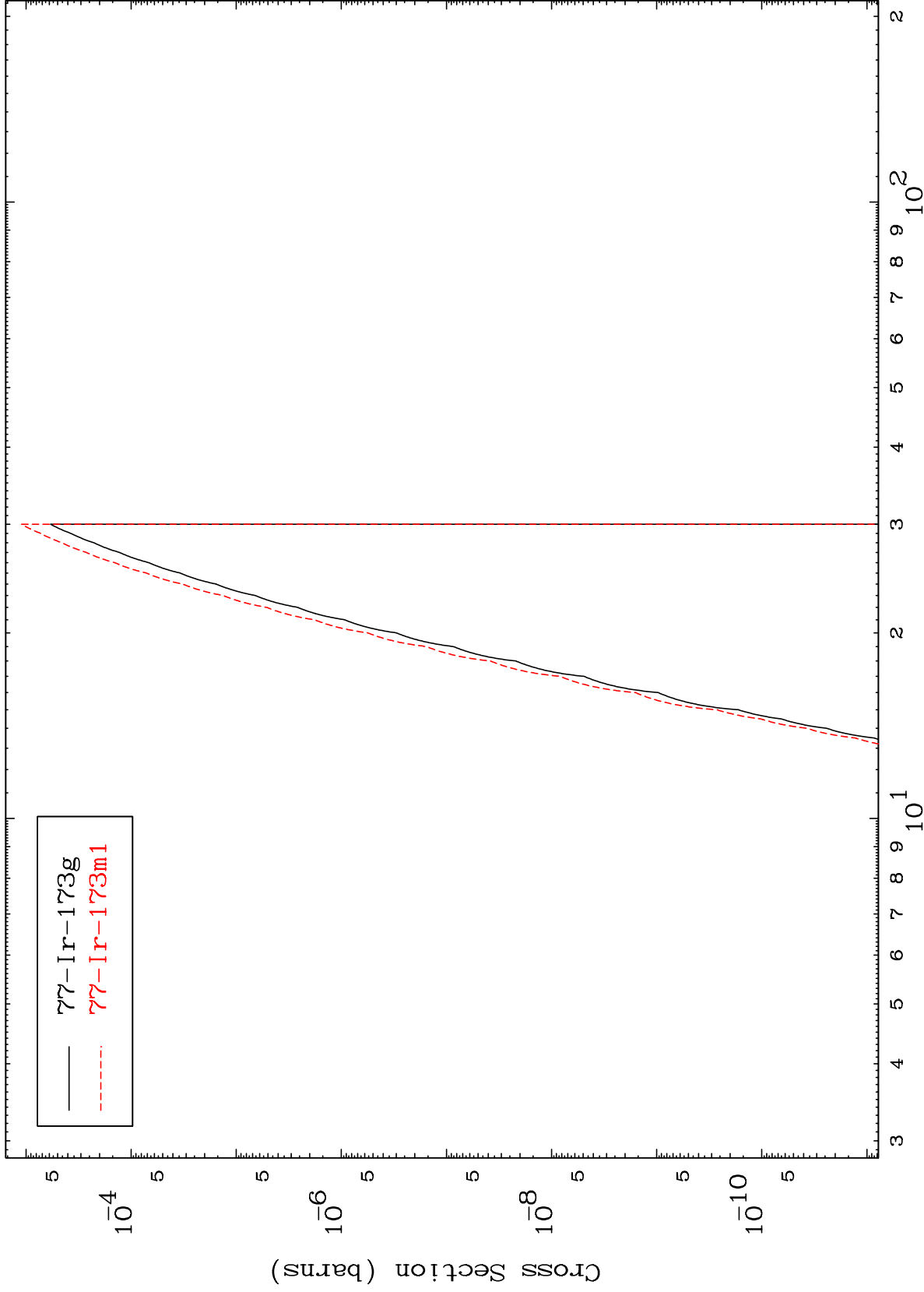
75-Re-167g  
75-Re-167m2

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(n,n') He-3

79-Au-176

Radionuclide Production Cross Section



77-Ir-173g  
77-Ir-173m1

Incident Energy (MeV)

79-Au-176

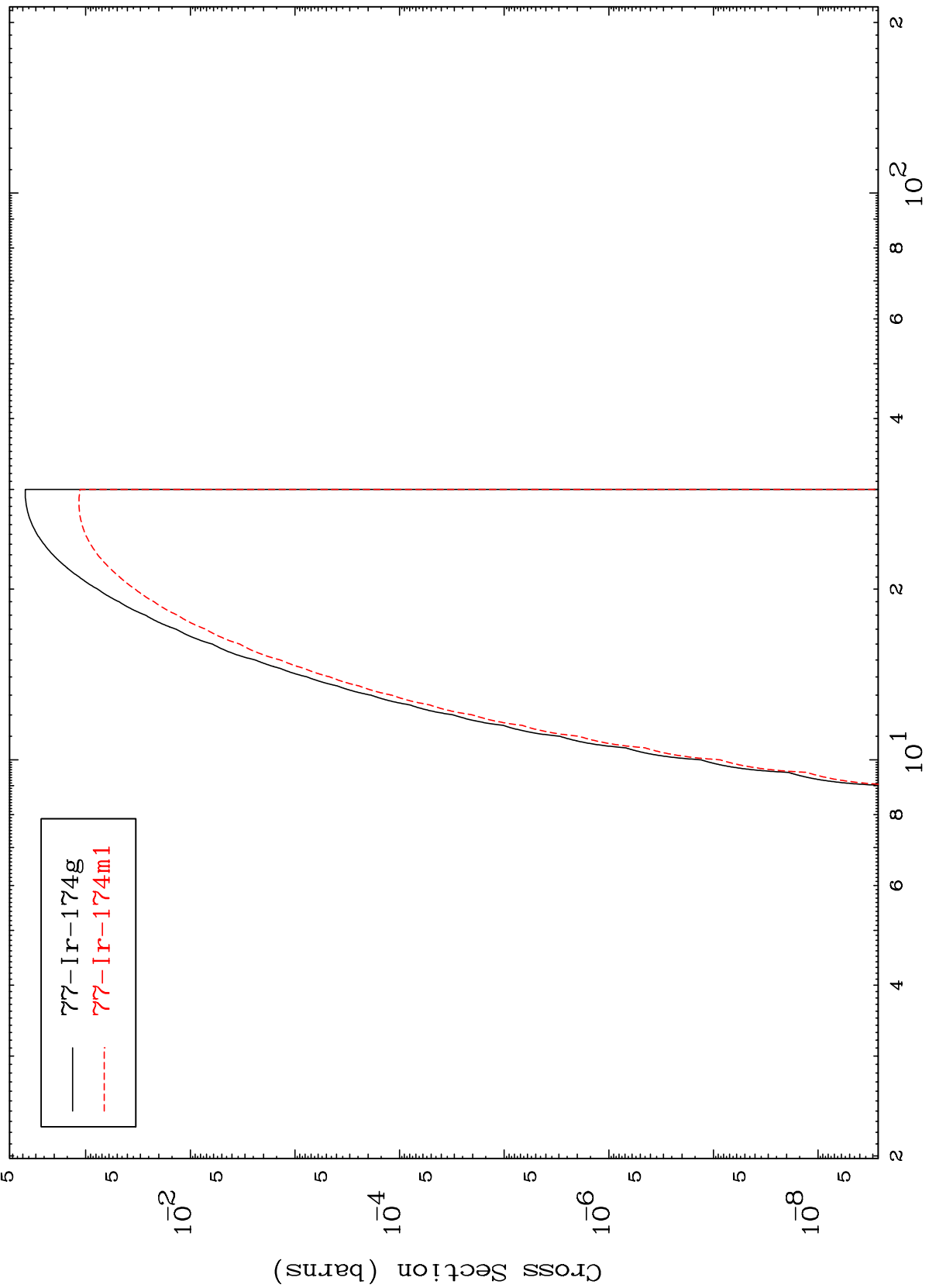
22

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(n,2n) p

<sup>79</sup>Au-176

Radionuclide Production Cross Section



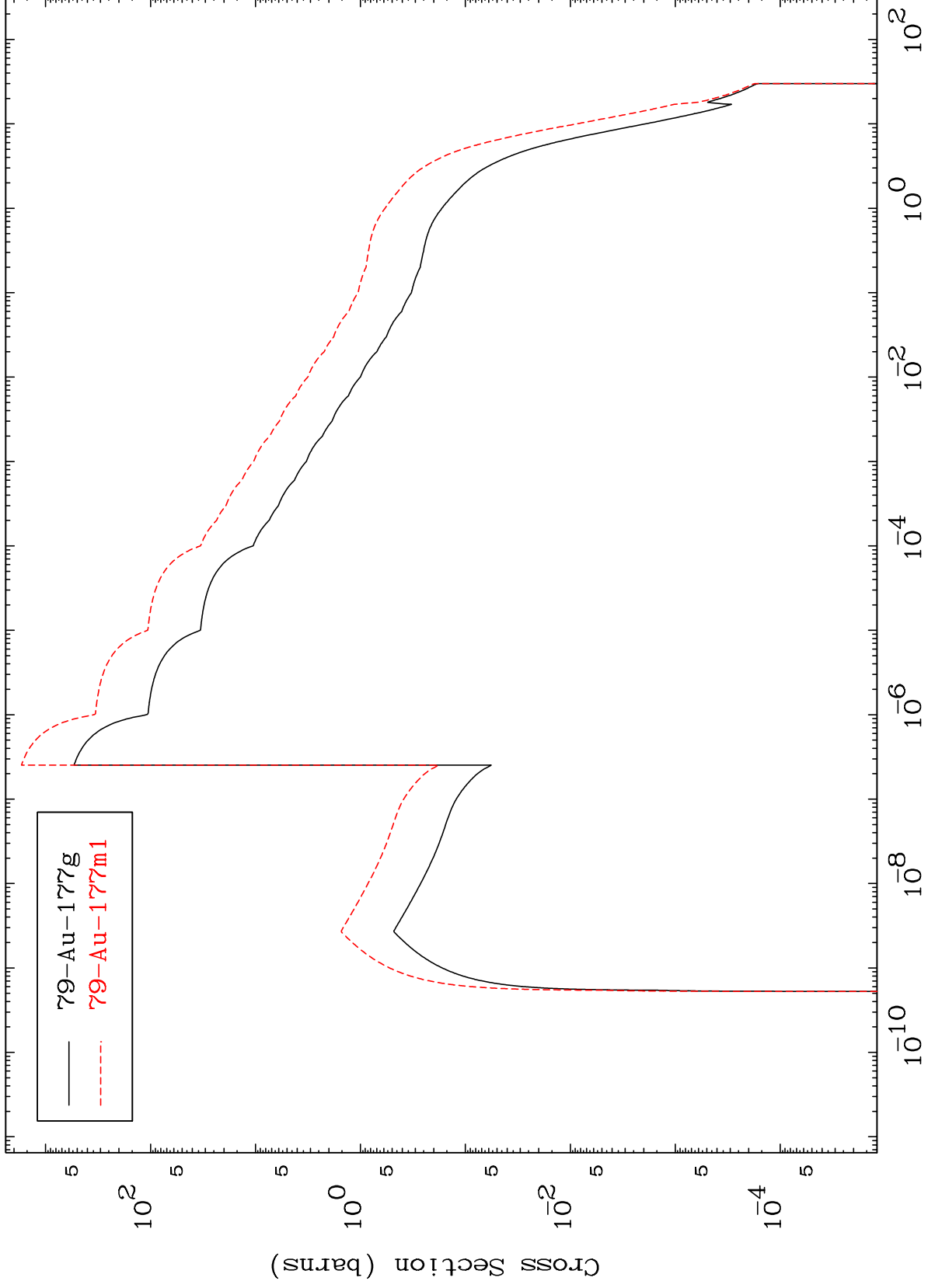
— <sup>77</sup>Ir-174g  
- - - <sup>77</sup>Ir-174m1



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<sup>79</sup>Au-176

(n,γ)  
Radionuclide Production Cross Section



24

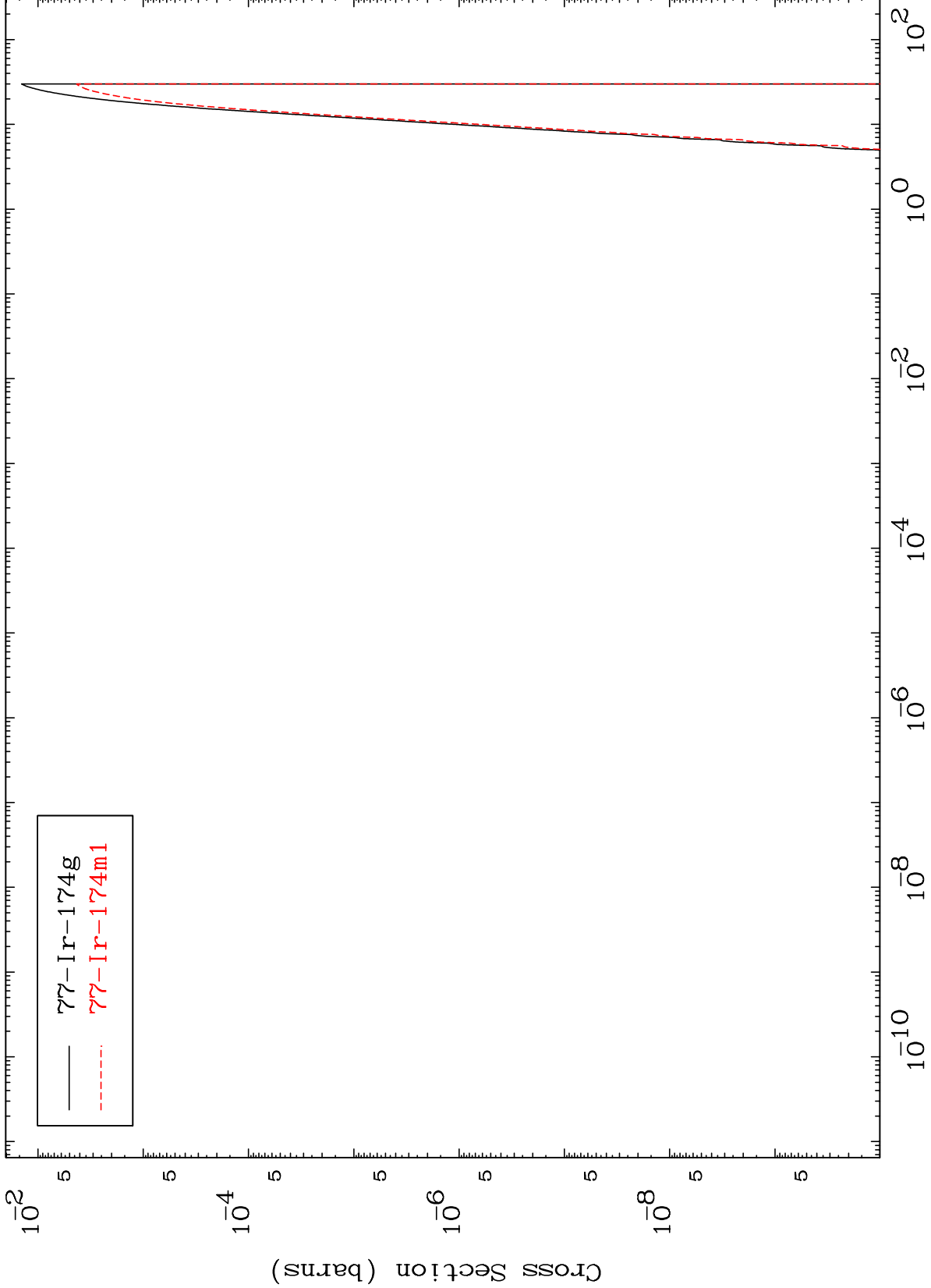
<sup>79</sup>Au-176

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(n,He-3)

79-Au-176

Radionuclide Production Cross Section

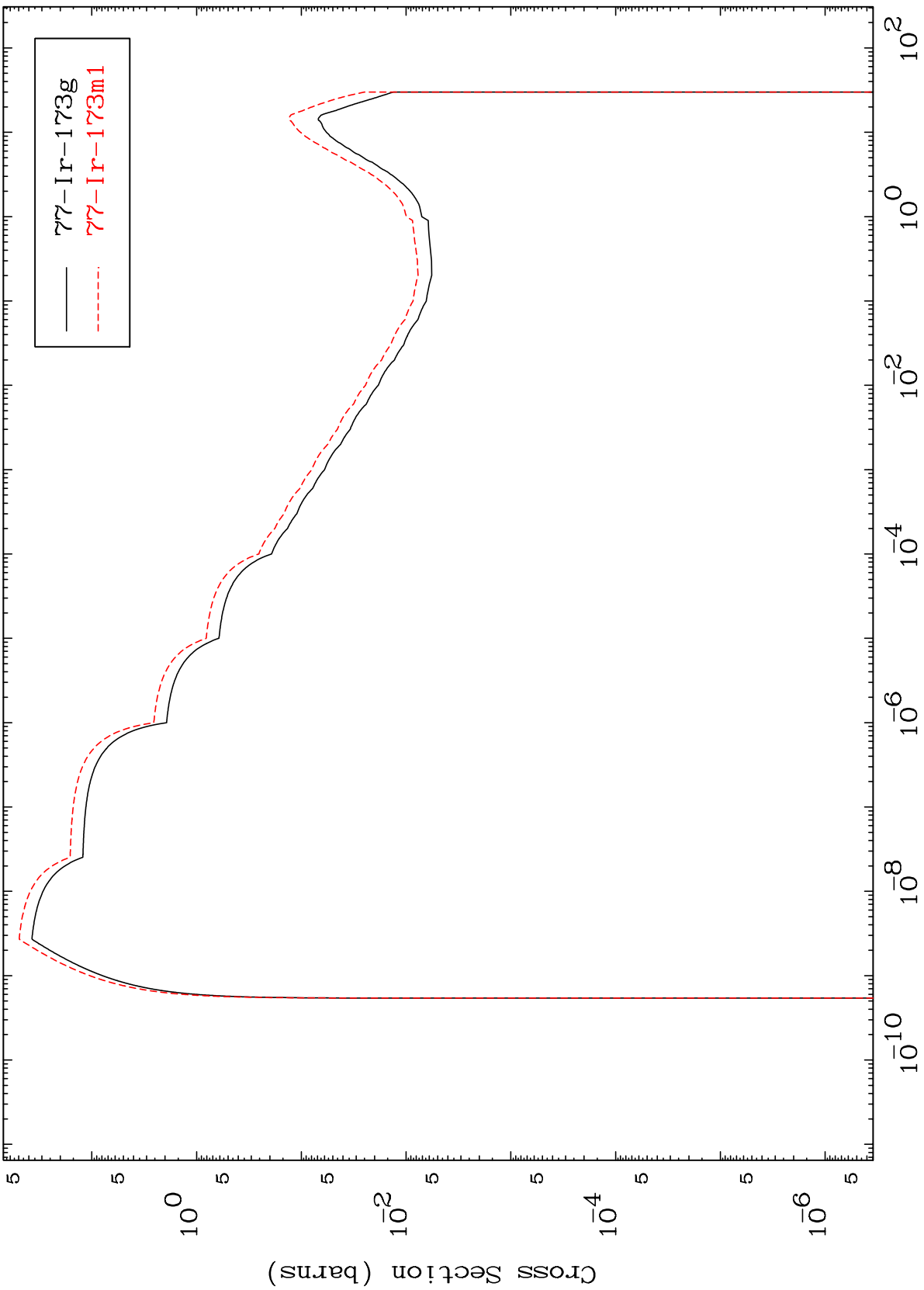


—  $^{77}\text{Ir-174g}$   
- - -  $^{77}\text{Ir-174m1}$

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79-Au-176

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



26

79-Au-176

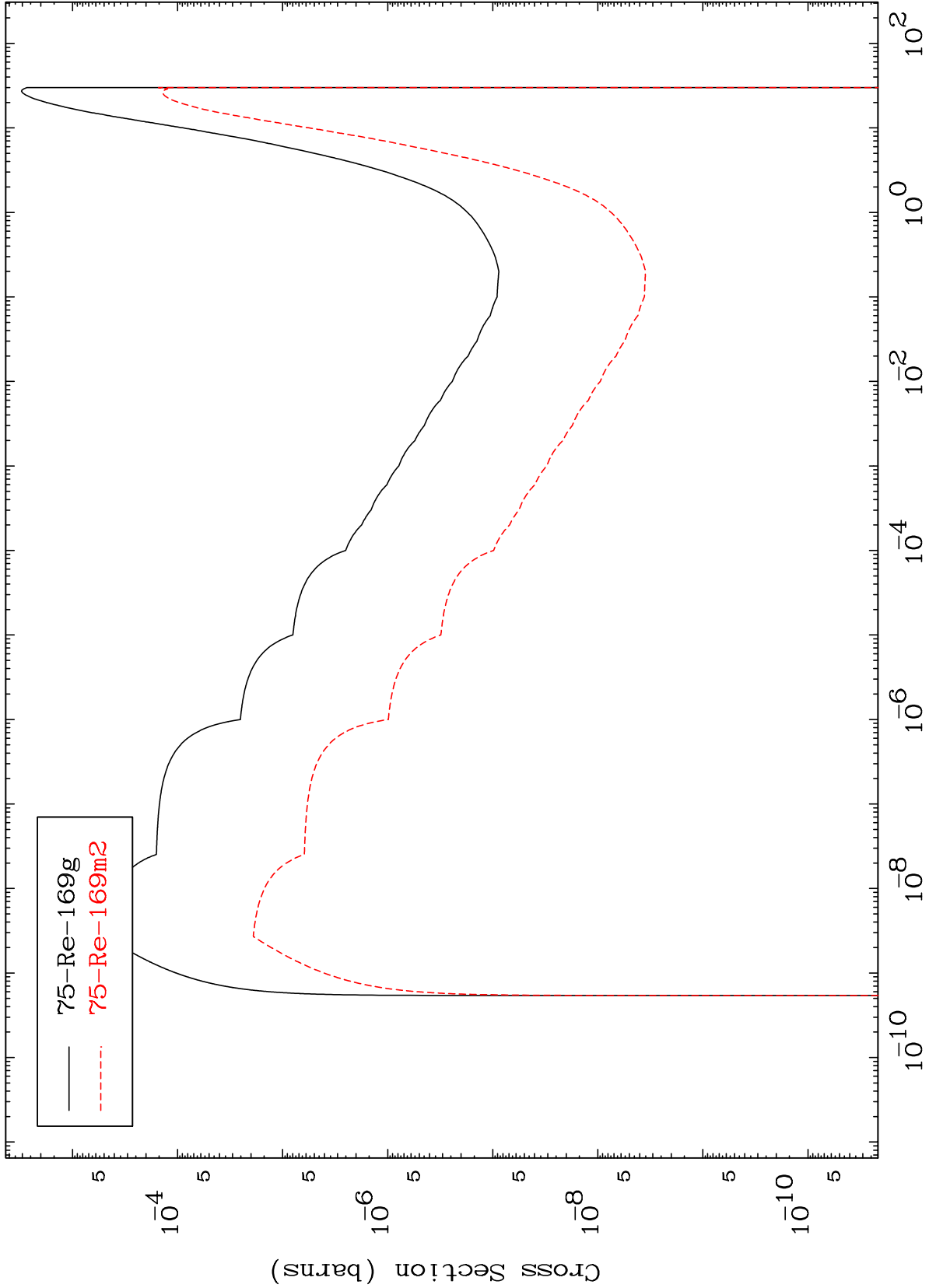
Incident Energy (MeV)

MAT 7863

(n,2α)

79-Au-176

Radionuclide Production Cross Section

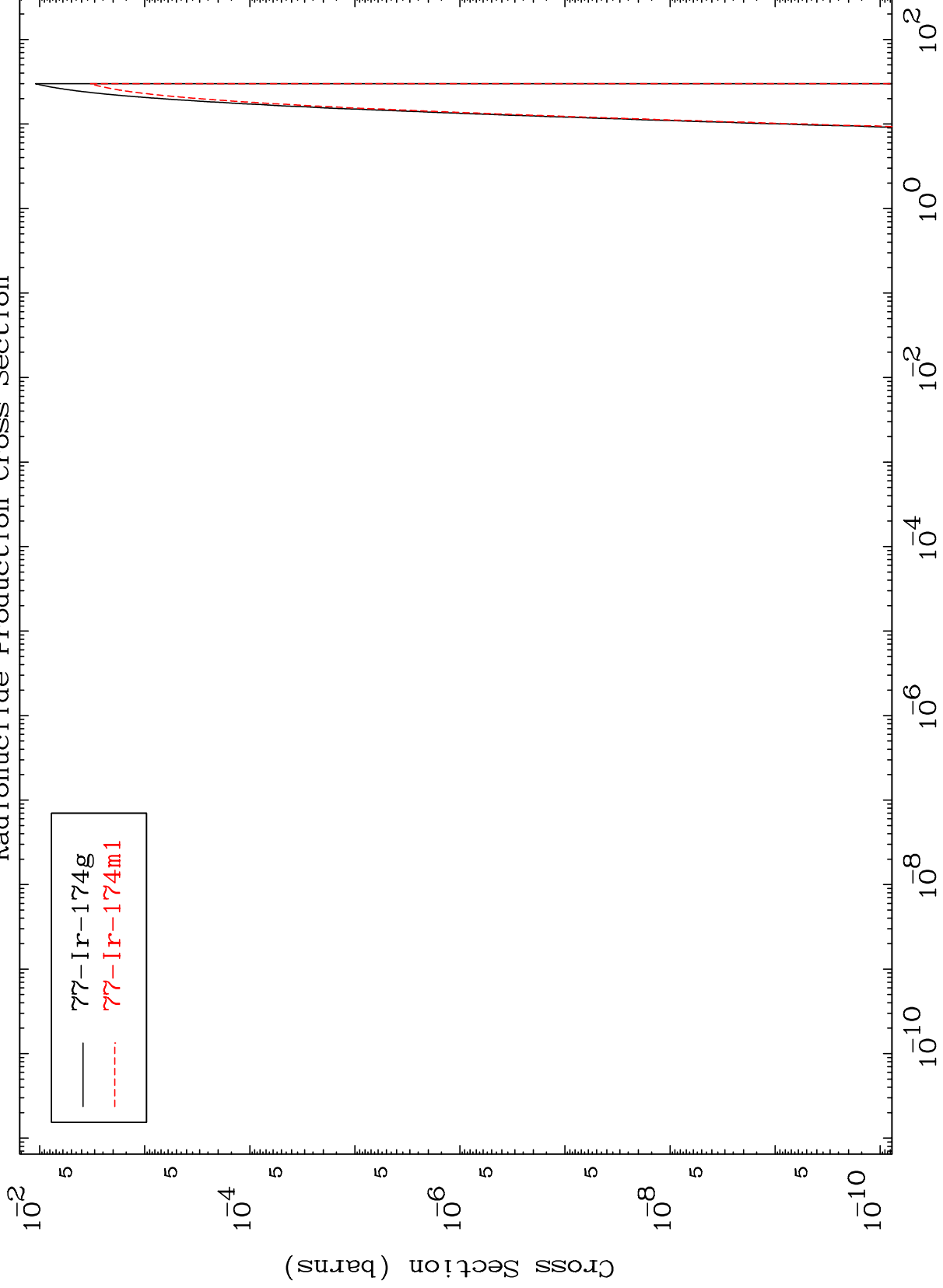


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(n,p) d

<sup>79</sup>Au-176

Radionuclide Production Cross Section



28

Incident Energy (MeV)

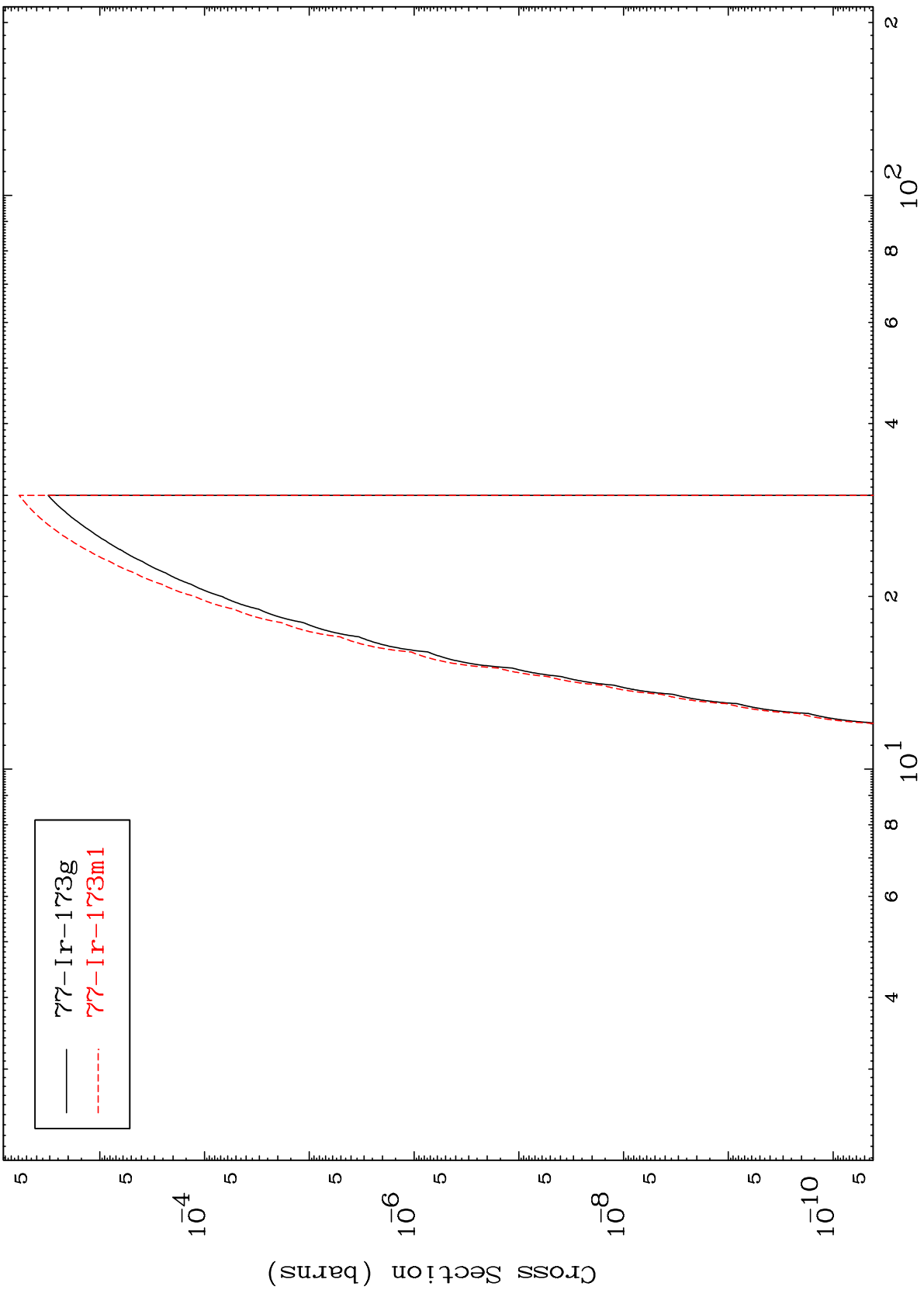
<sup>79</sup>Au-176

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(n,p) t

<sup>79</sup>Au-176

Radionuclide Production Cross Section



— <sup>77</sup>Ir-173g  
- - - <sup>77</sup>Ir-173m1