

Program EVALPLOT  
(Version 2021-1)

by

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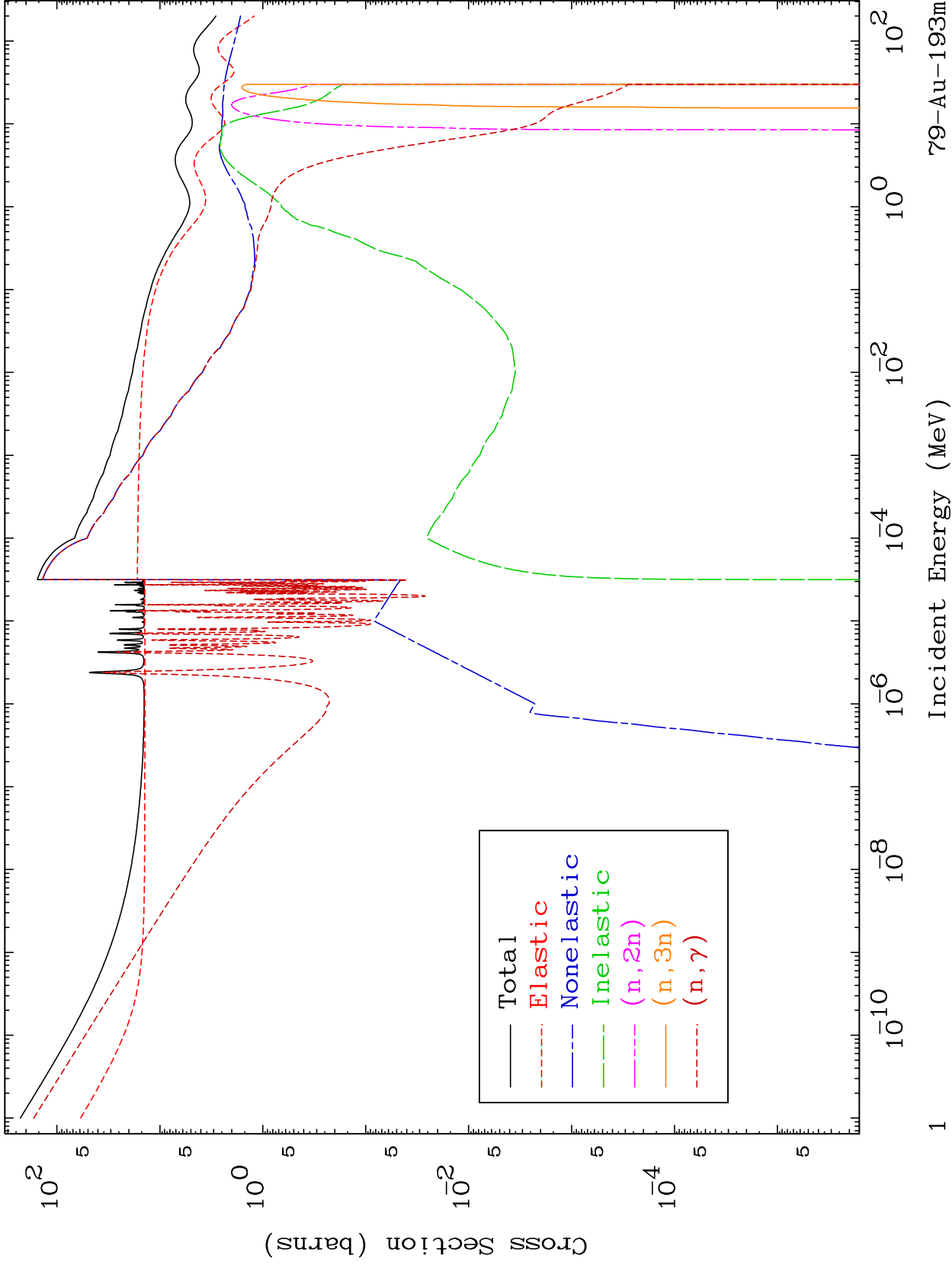
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7914

Neutron Major  
293 Kelvin Cross Sections

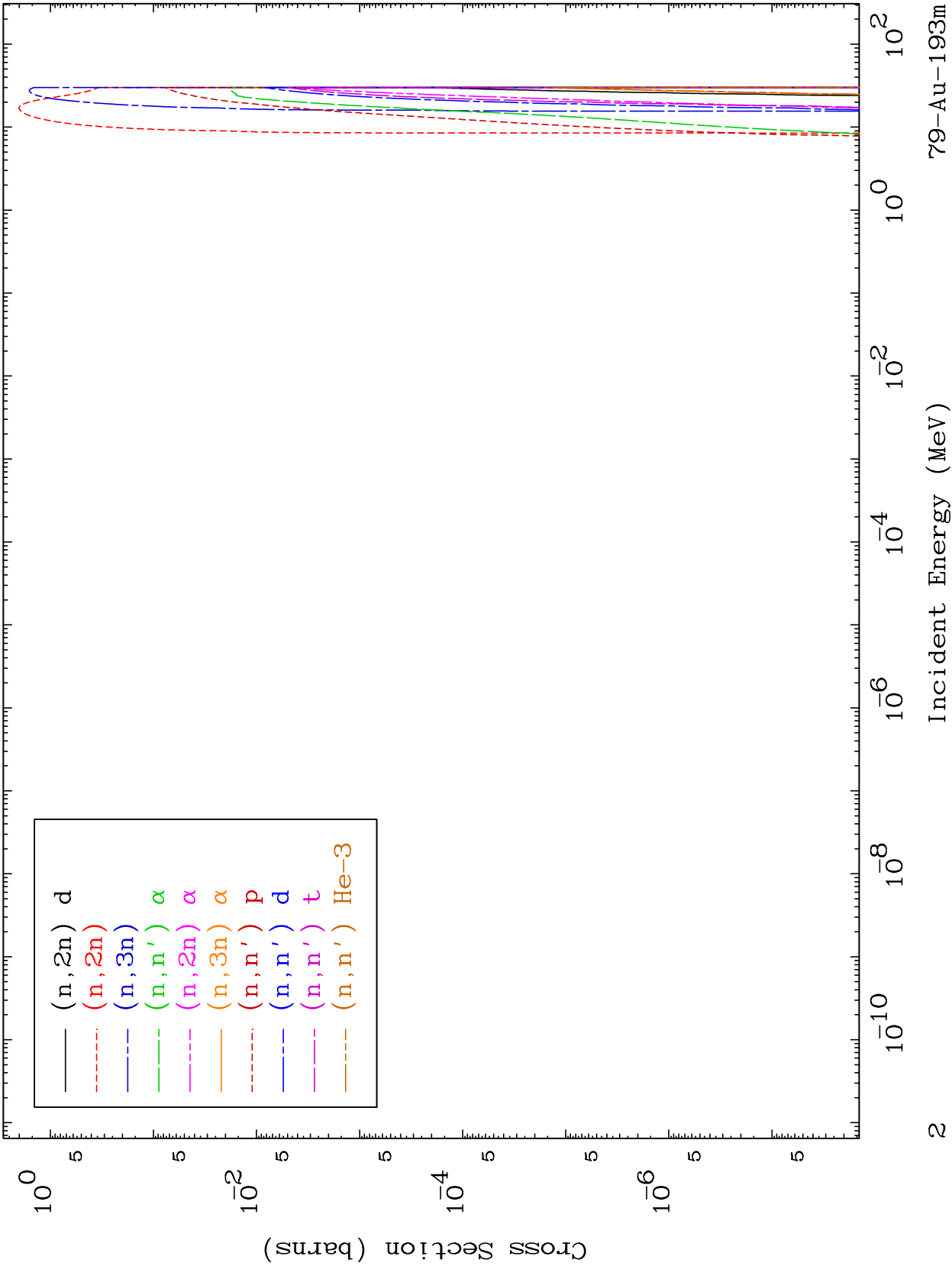
79-Au-193m



MAT 7914

Neutron Absorption  
293 Kelvin Cross Sections

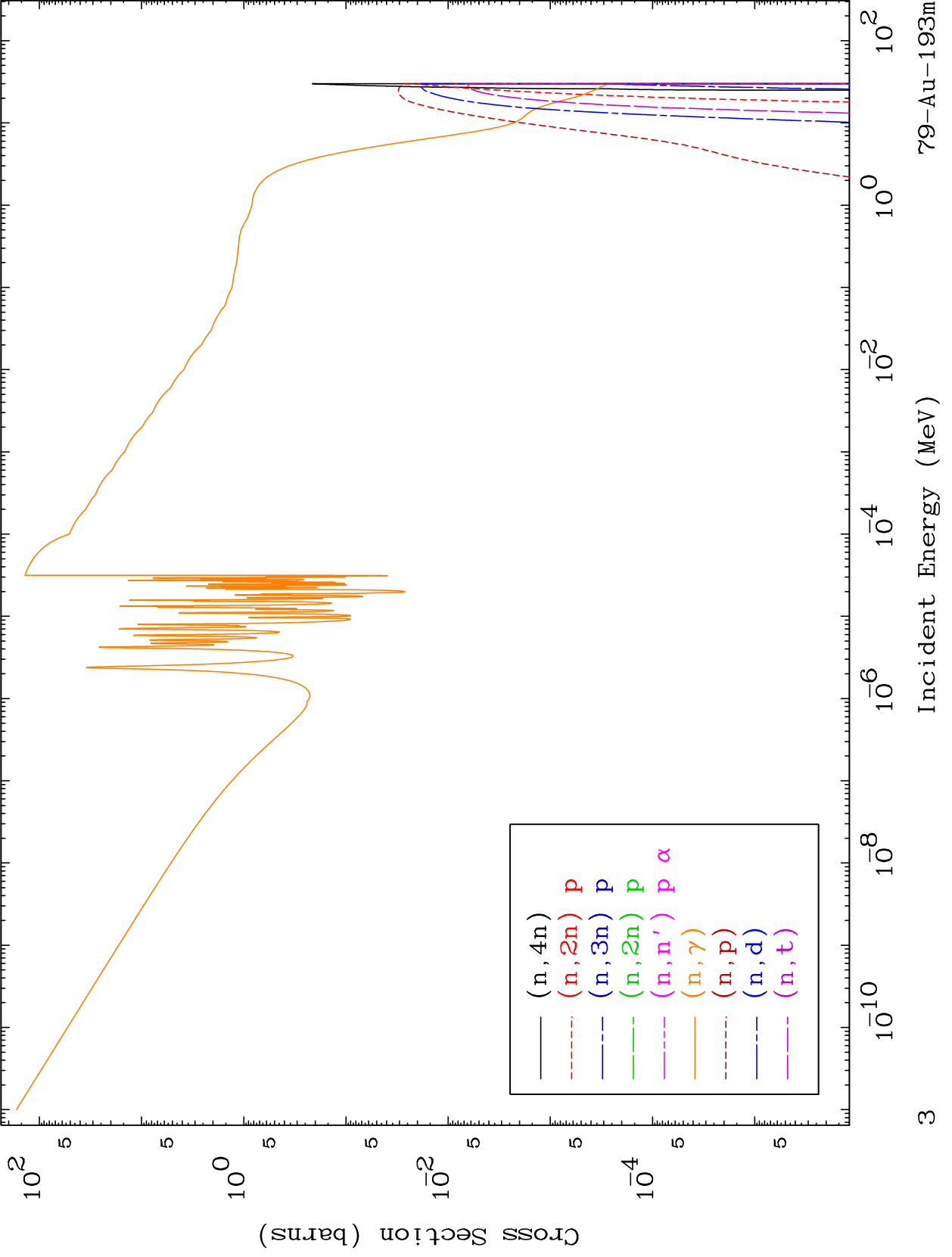
<sup>79</sup>Au-193m



MAT 7914

Neutron Absorption  
293 Kelvin Cross Sections

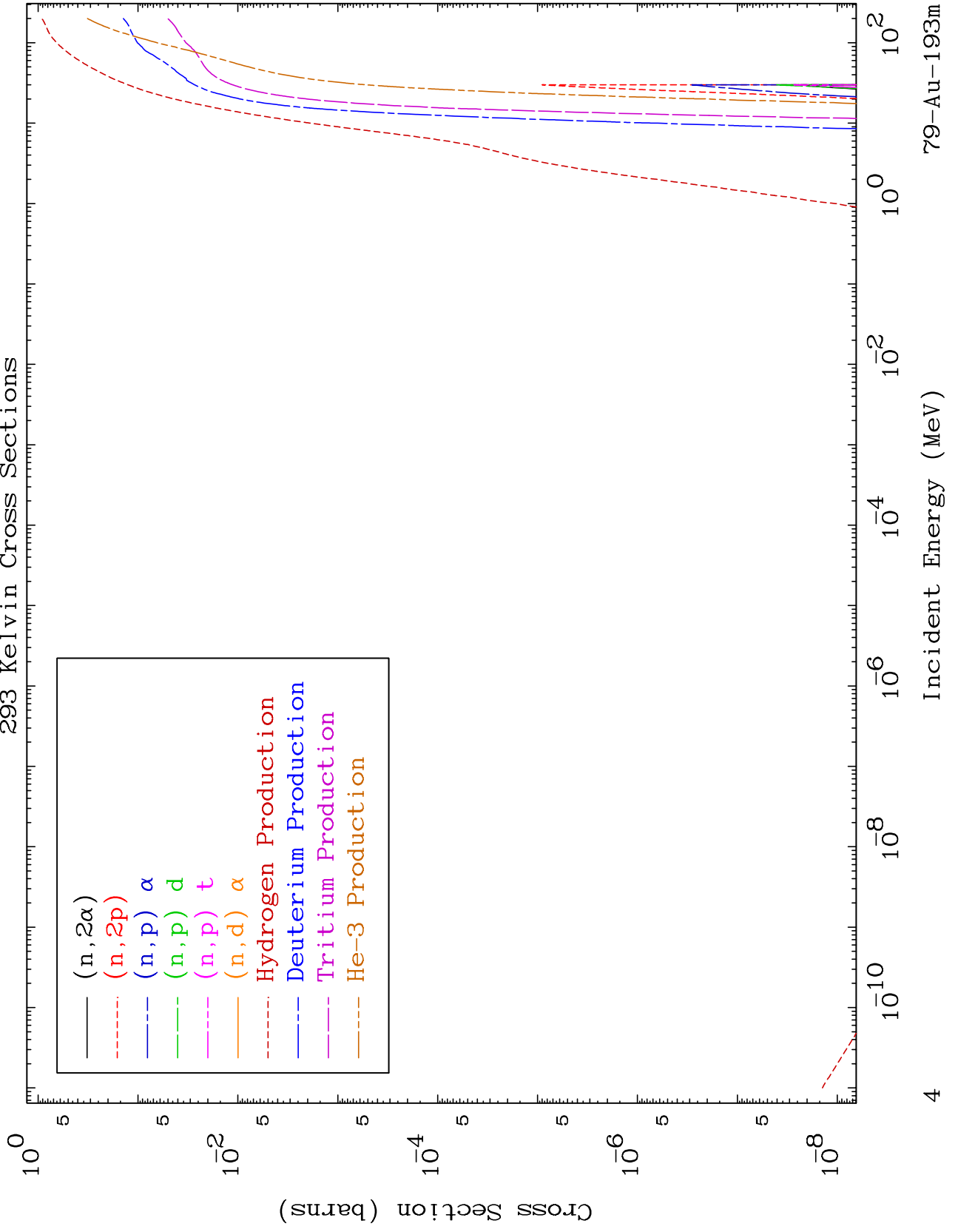
<sup>79</sup>Au-193m



MAT 7914

Neutron Absorption  
293 Kelvin Cross Sections

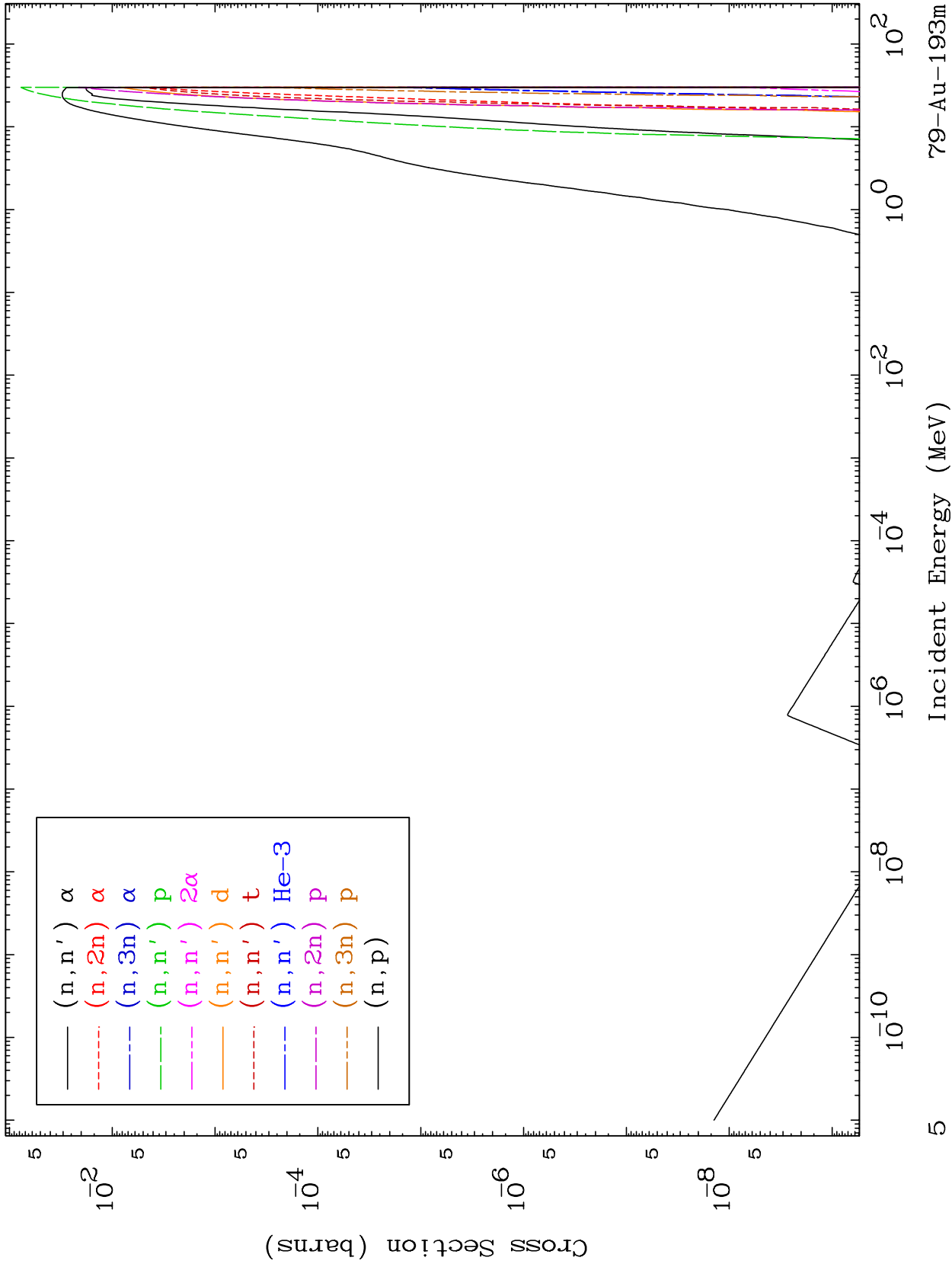
79-Au-193m



MAT 7914

Charged Particle  
293 Kelvin Cross Sections

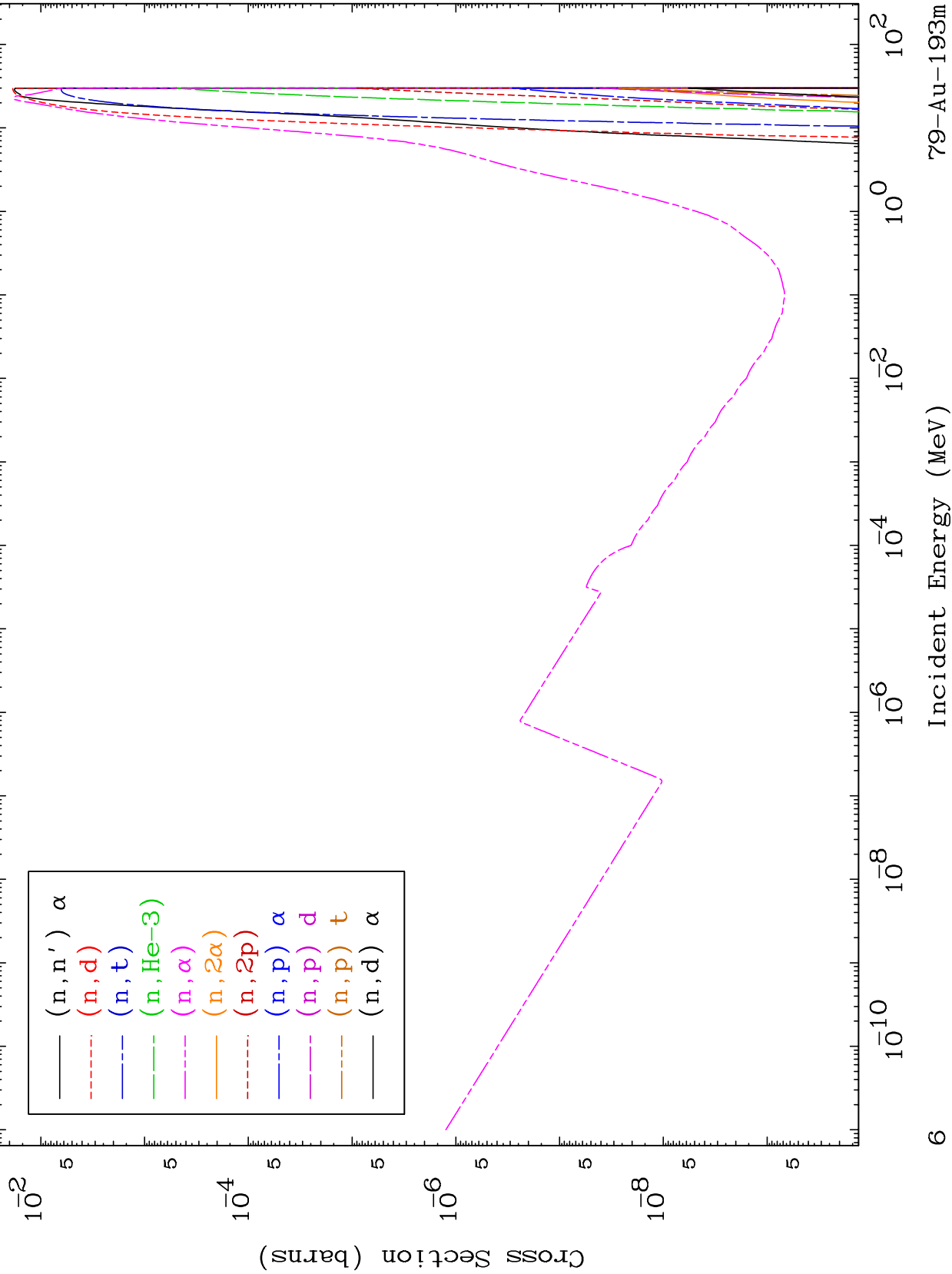
79-Au-193m



MAT 7914

Charged Particle  
293 Kelvin Cross Sections

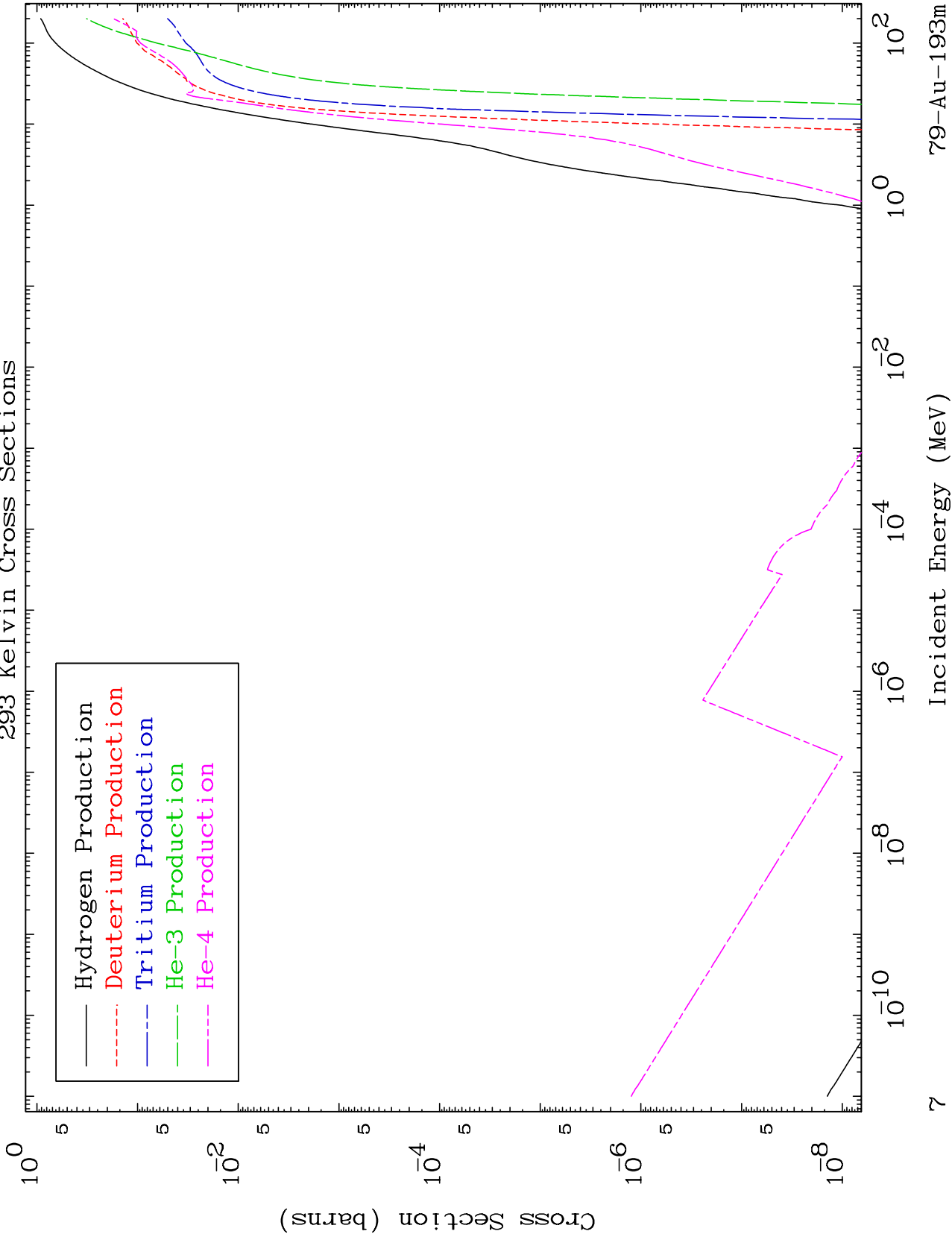
<sup>79</sup>Au-193m



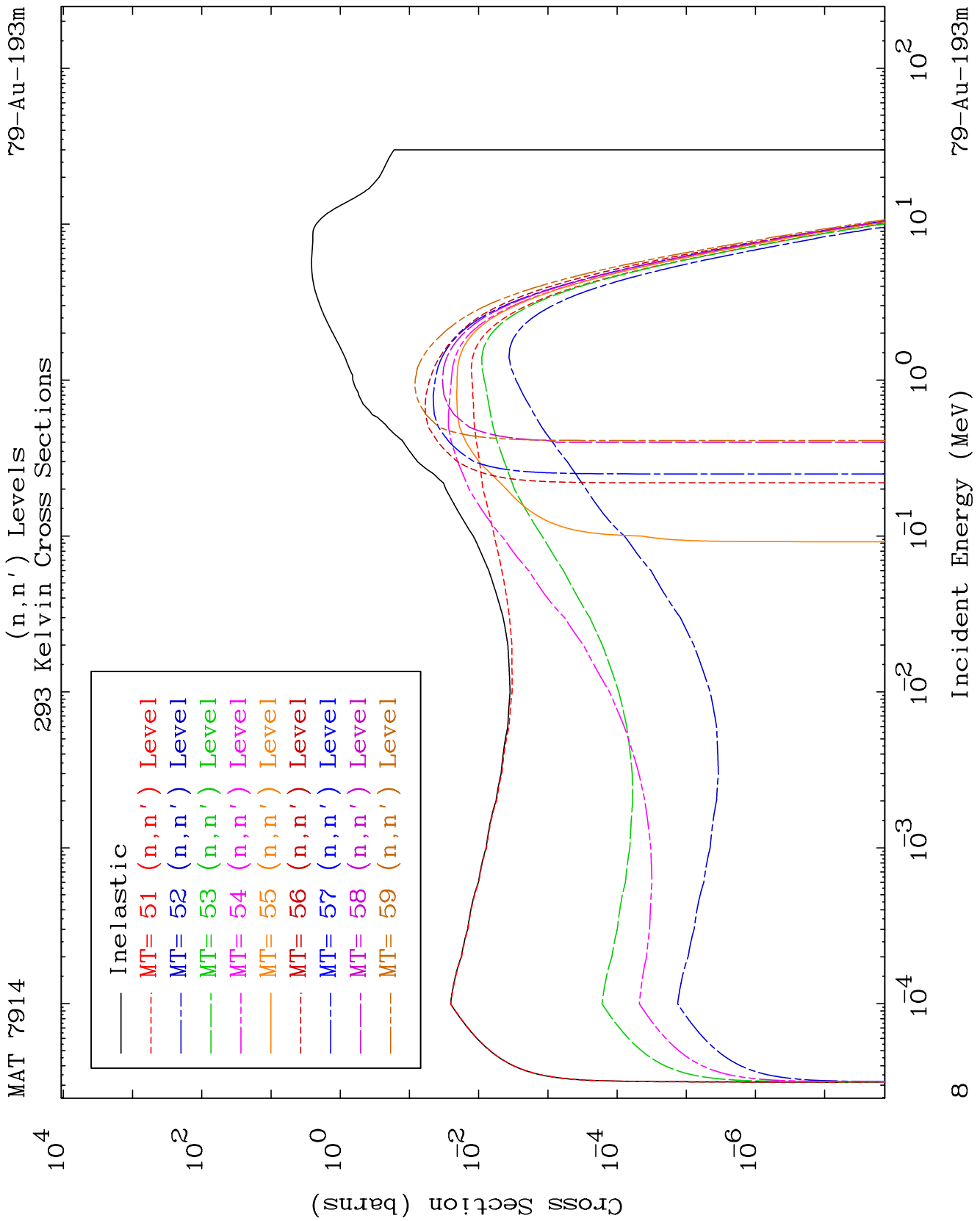
MAT 7914

Particle Production  
293 Kelvin Cross Sections

<sup>79</sup>Au-193m



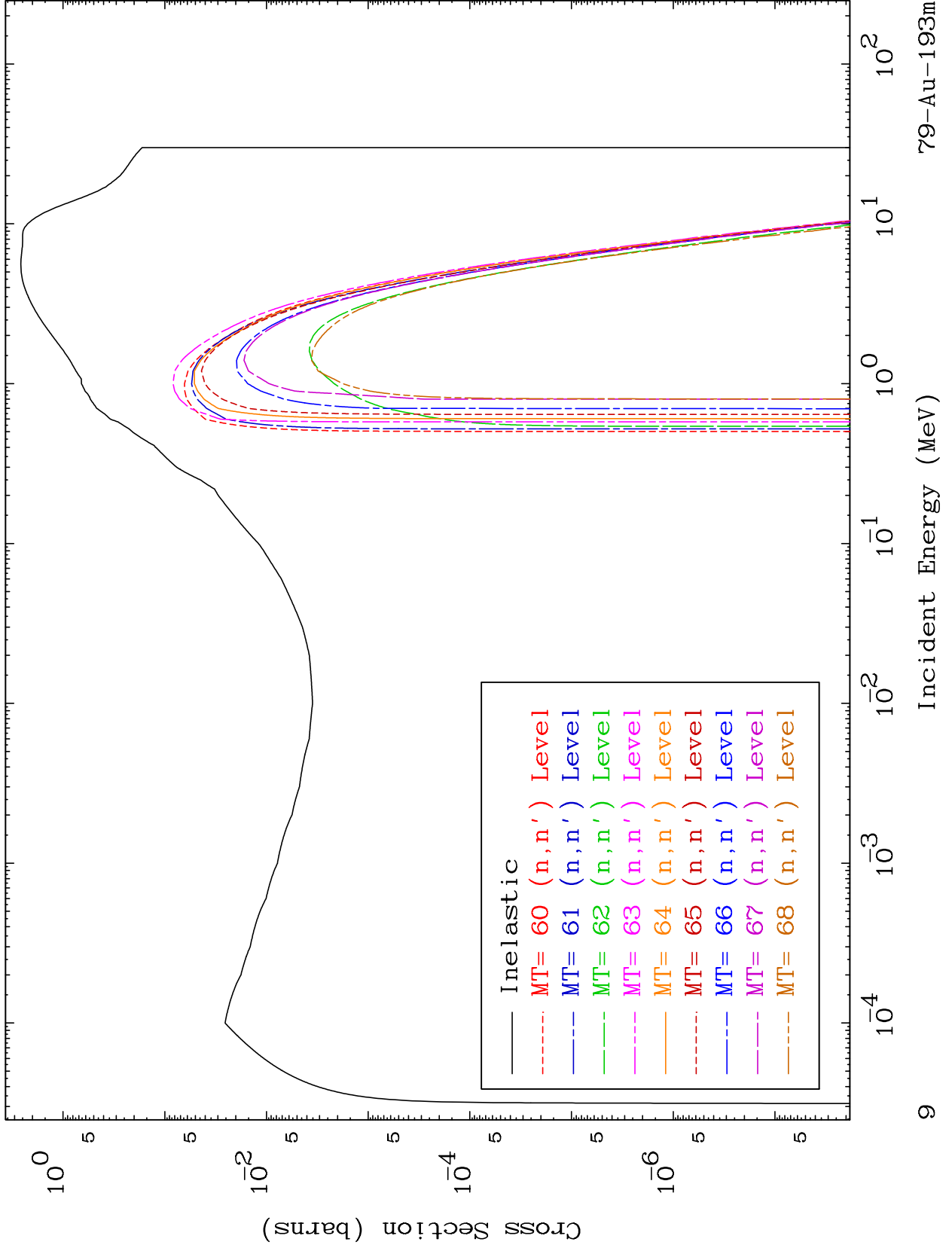




MAT 7914

(n,n') Levels  
293 Kelvin Cross Sections

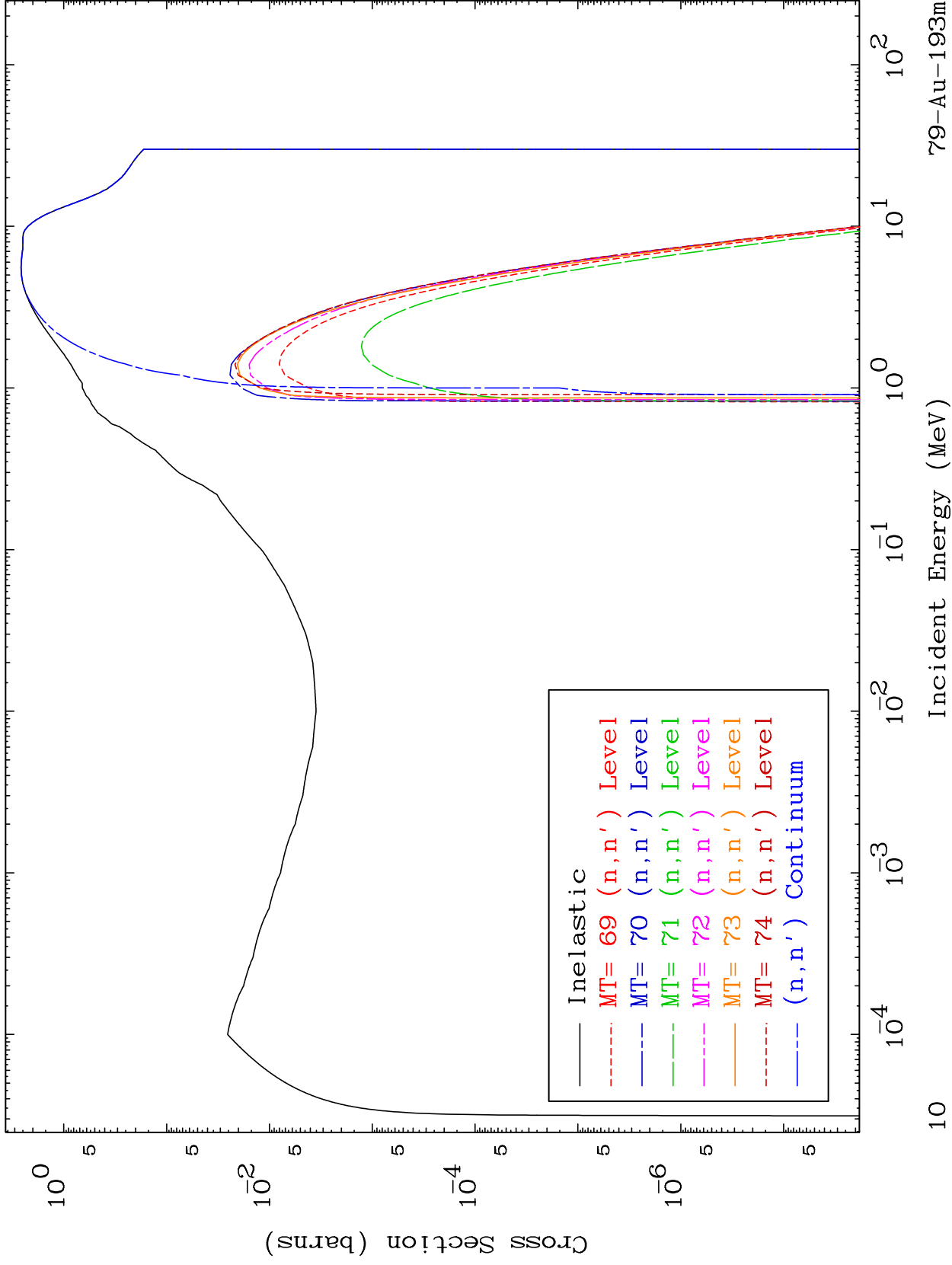
<sup>79</sup>Au-193m



MAT 7914

(n,n') Levels  
293 Kelvin Cross Sections

<sup>79</sup>Au-193m



10

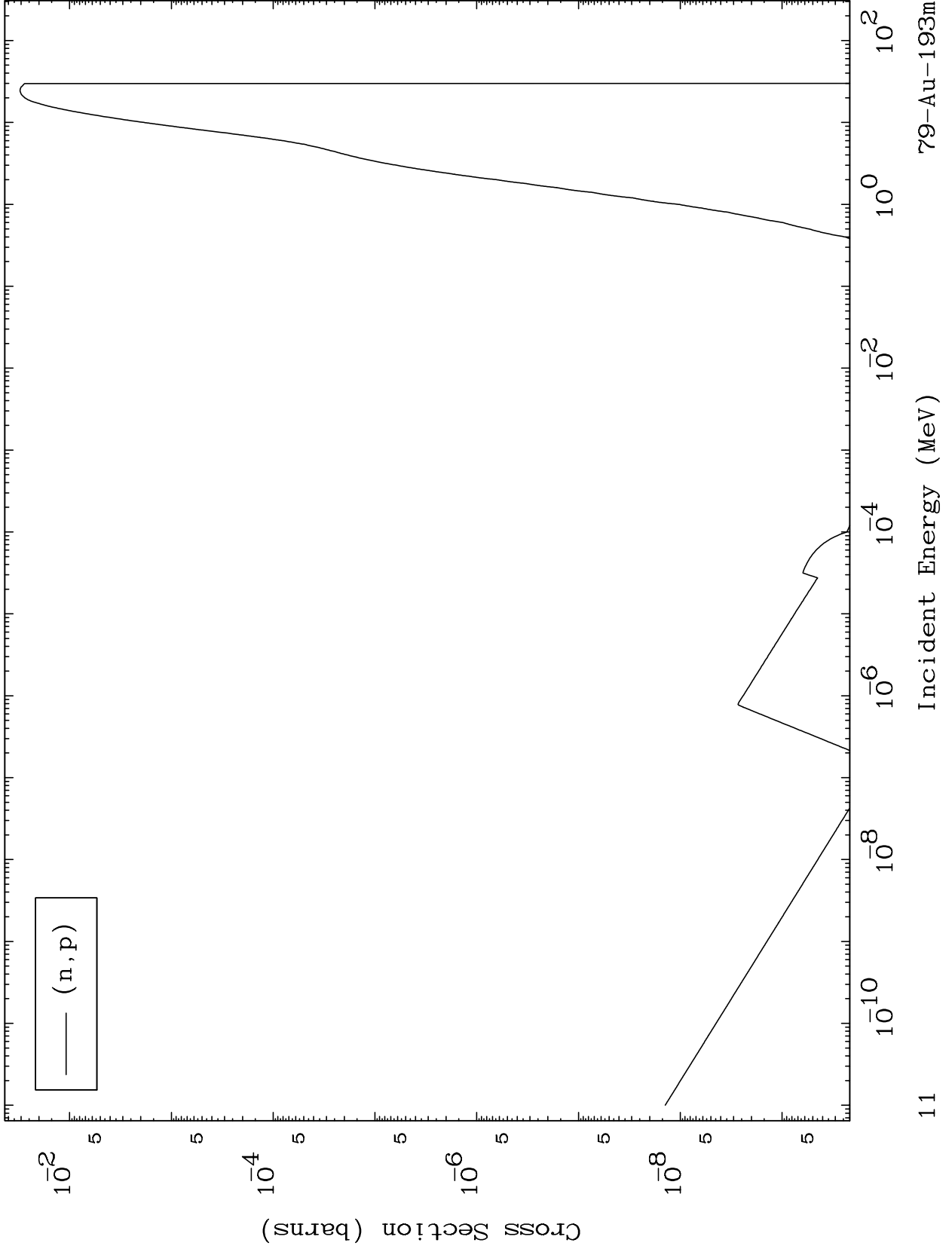
10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup>

<sup>79</sup>Au-193m

MAT 7914

(n,p) Levels  
293 Kelvin Cross Sections

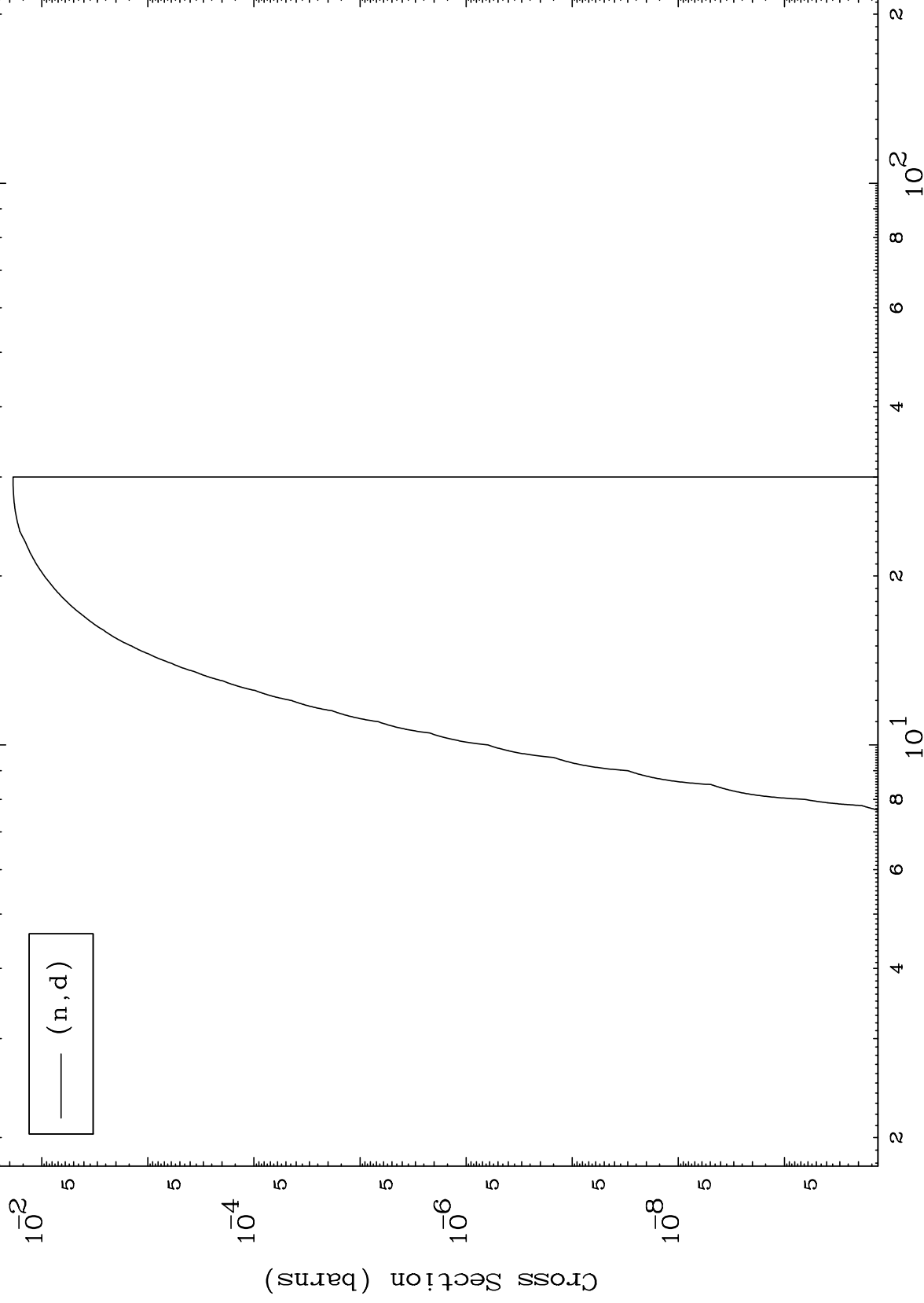
79-Au-193m



MAT 7914

(n,d) Levels  
293 Kelvin Cross Sections

<sup>79</sup>Au-193m



12

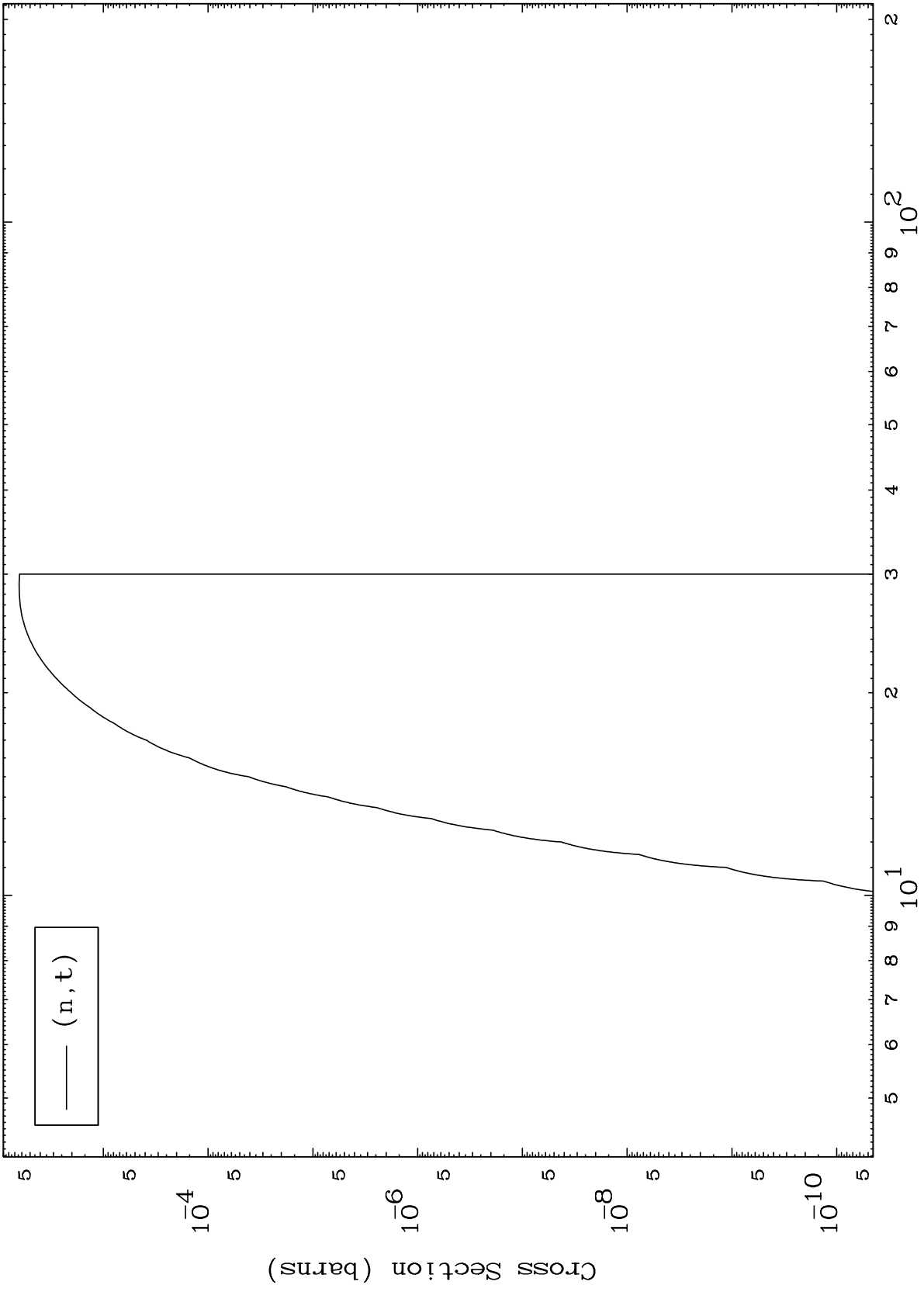
Incident Energy (MeV)

<sup>79</sup>Au-193m

MAT 7914

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-193m



(n,t)

13

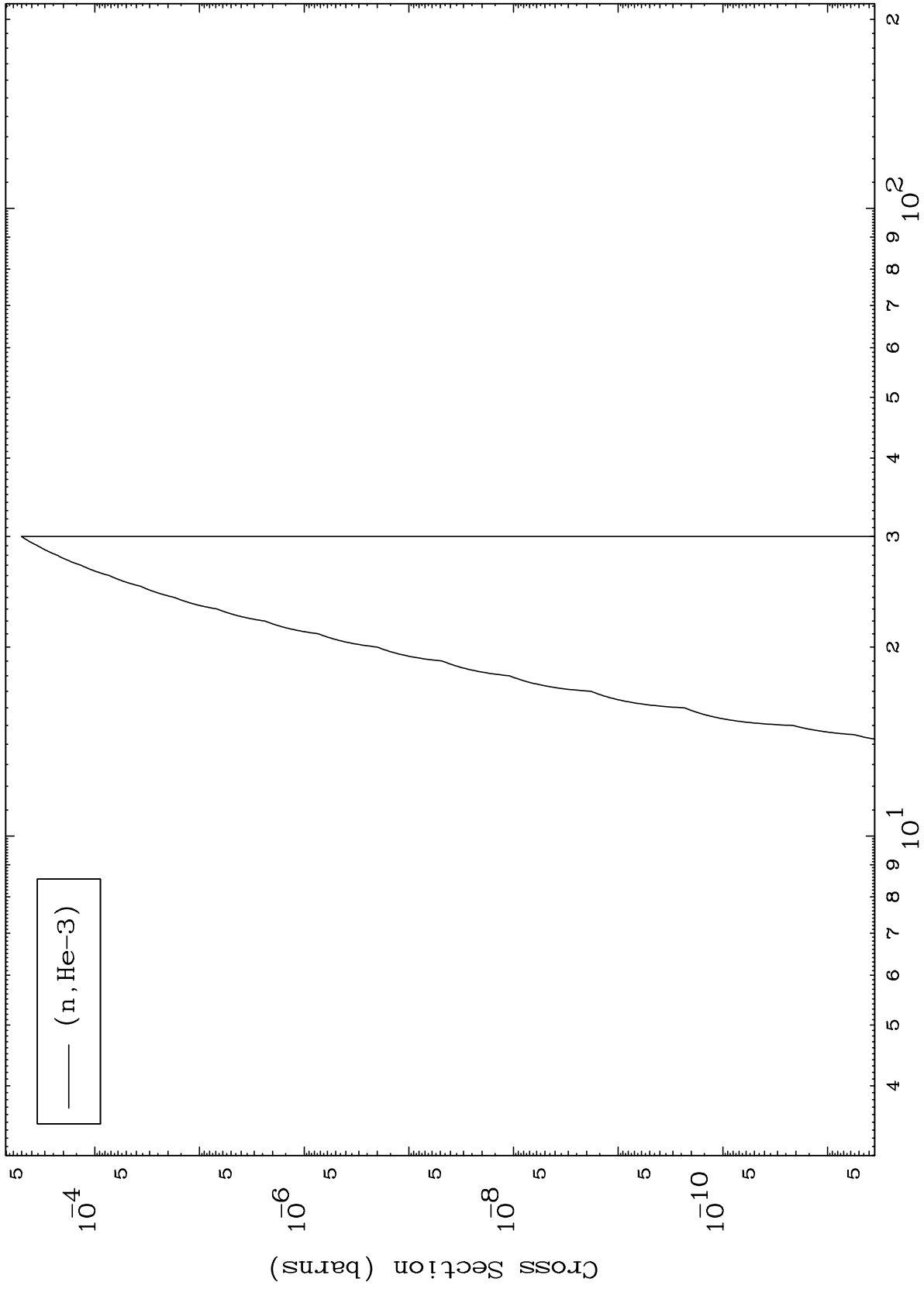
Incident Energy (MeV)

79-Au-193m

MAT 7914

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-193m



14

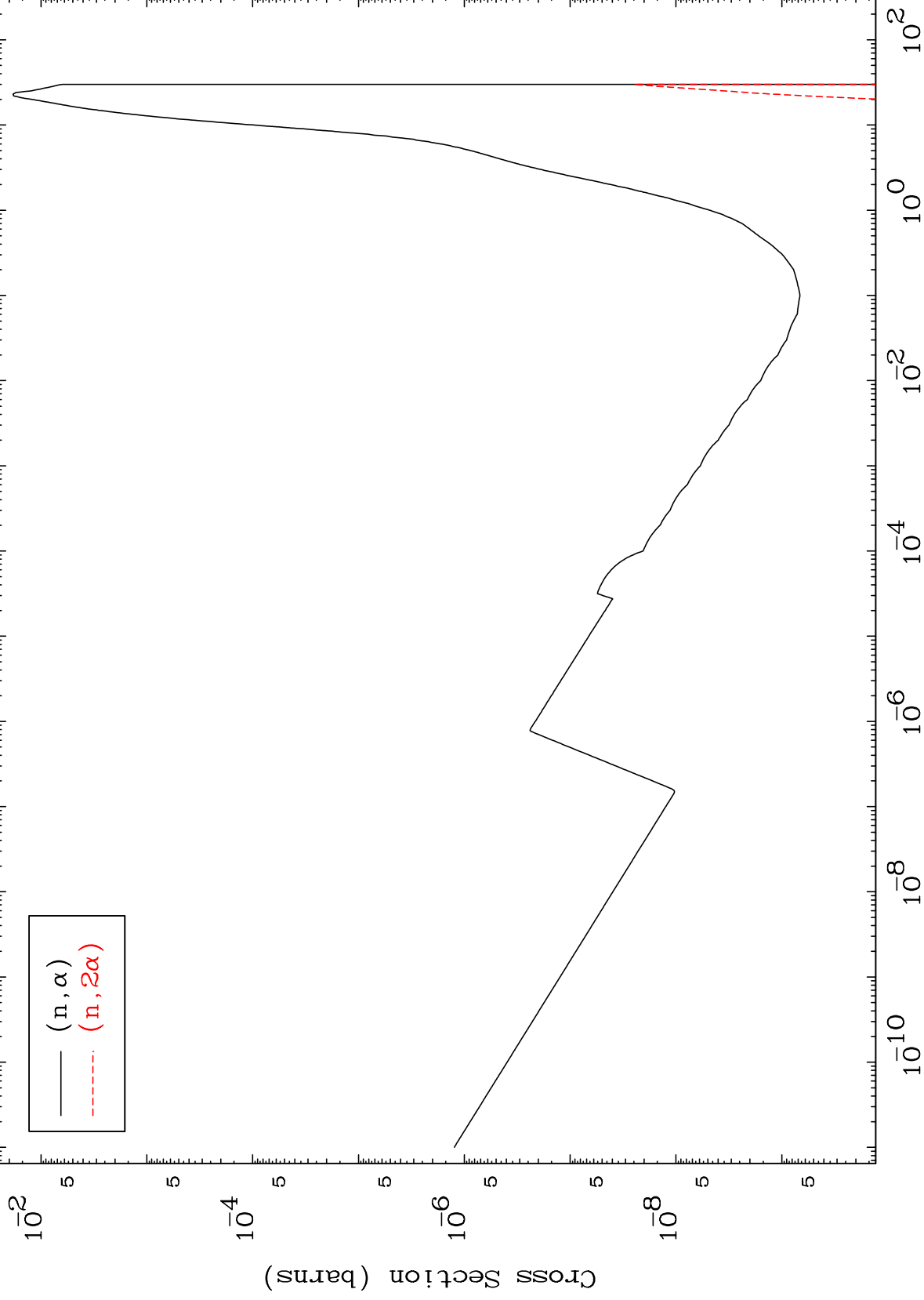
Incident Energy (MeV)

79-Au-193m

MAT 7914

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

<sup>79</sup>Au-193m



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<sup>79</sup>Au-193m



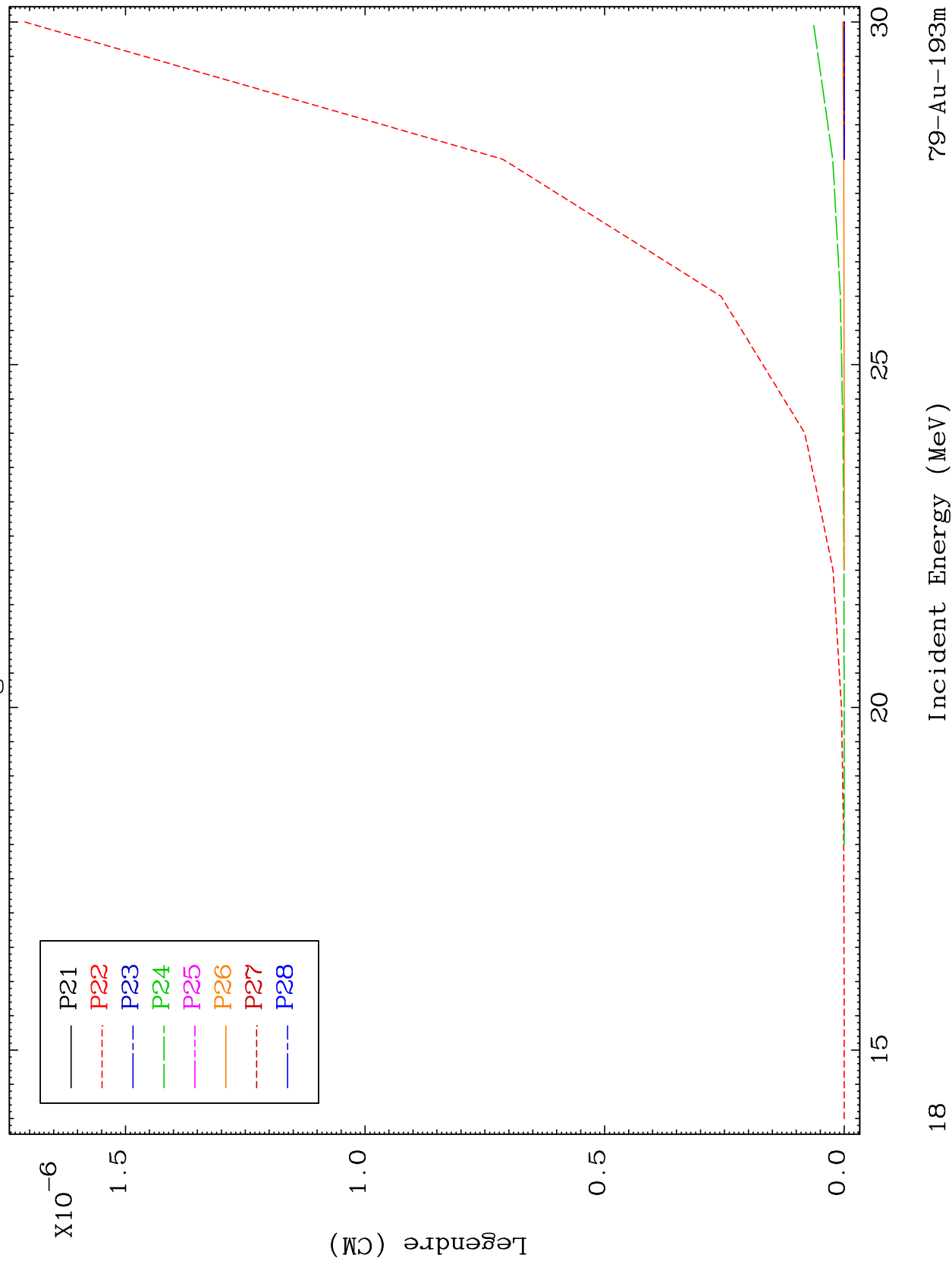




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Elastic  
Legendre Coefficients

79-Au-193m



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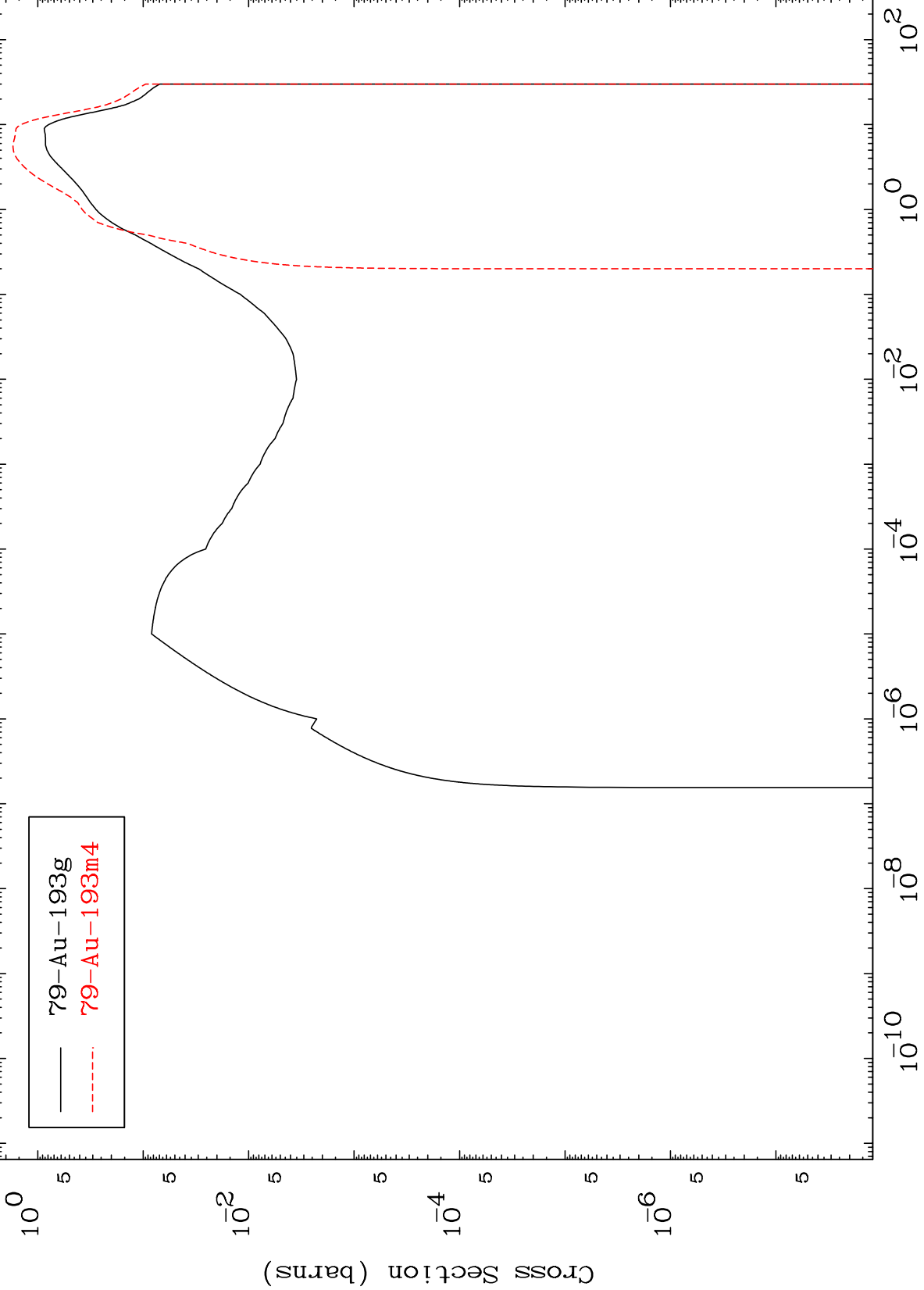
Incident Energy (MeV)

79-Au-193m

MAT 7914

Inelastic  
Radionuclide Production Cross Section

<sup>79</sup>Au-193m



— <sup>79</sup>Au-193g  
- - - <sup>79</sup>Au-193m4

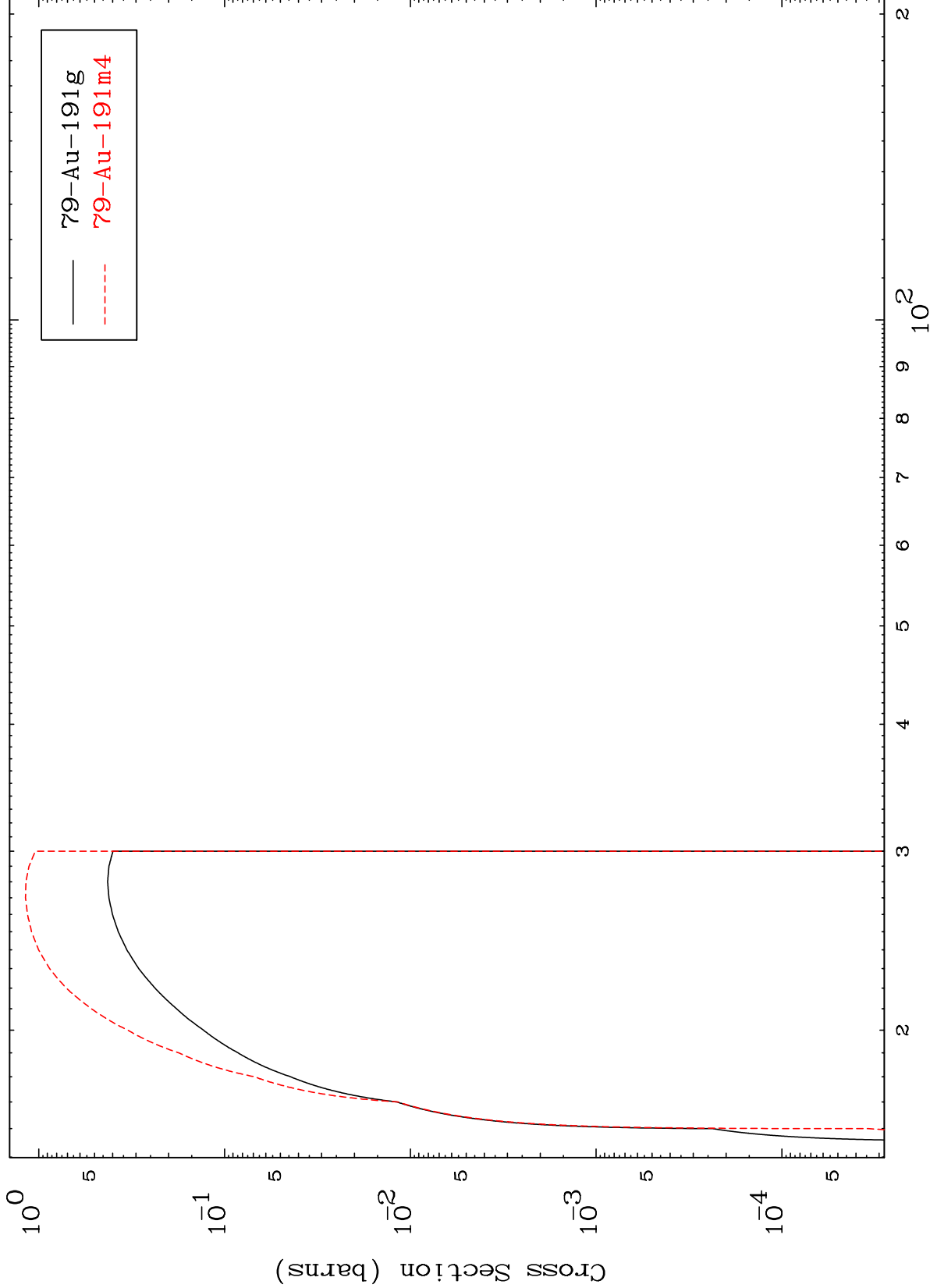
<sup>79</sup>Au-193m

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(n,3n)

<sup>79</sup>Au-193m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

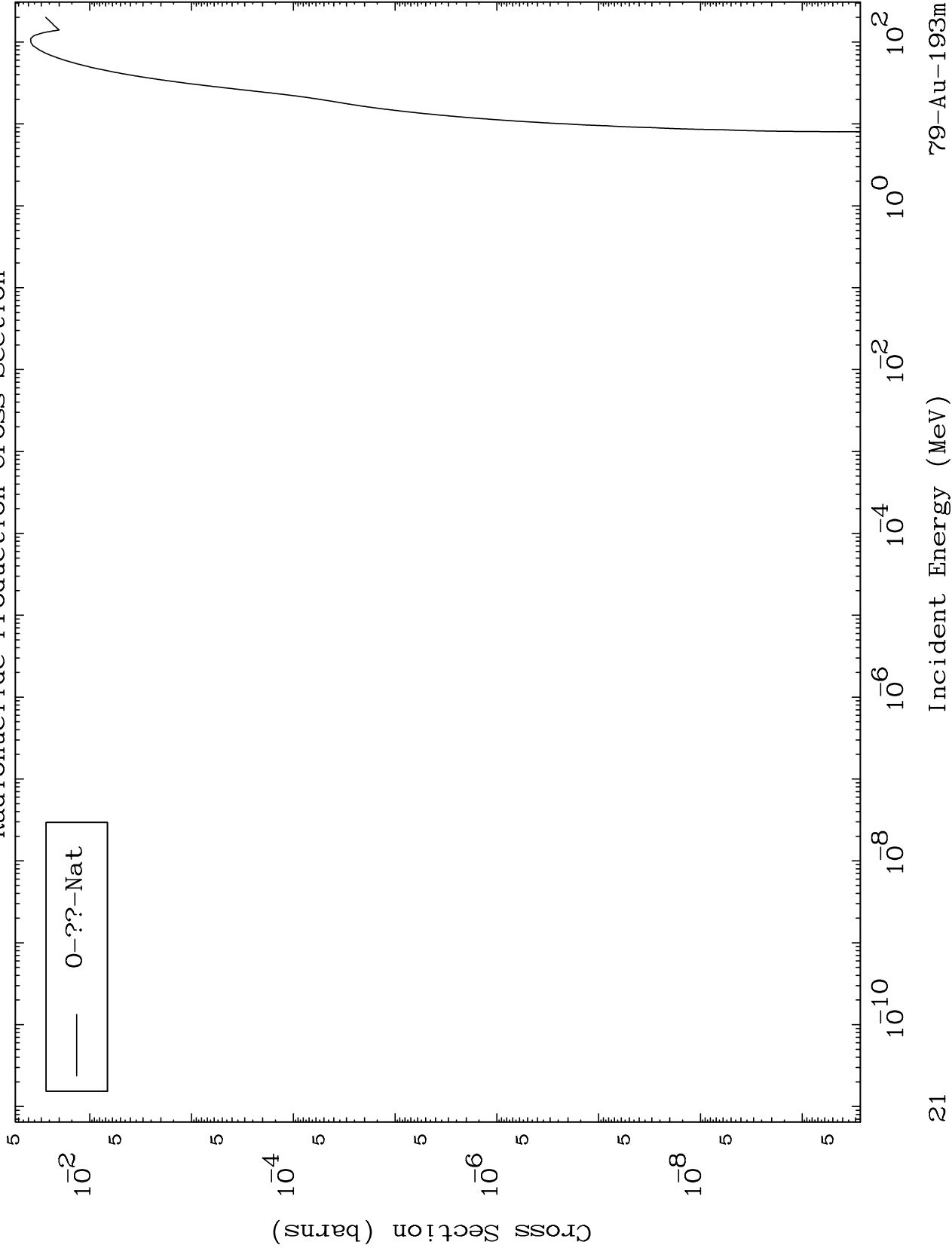
<sup>79</sup>Au-193m

MAT 7914

Fission

<sup>79</sup>Au-193m

Radionuclide Production Cross Section

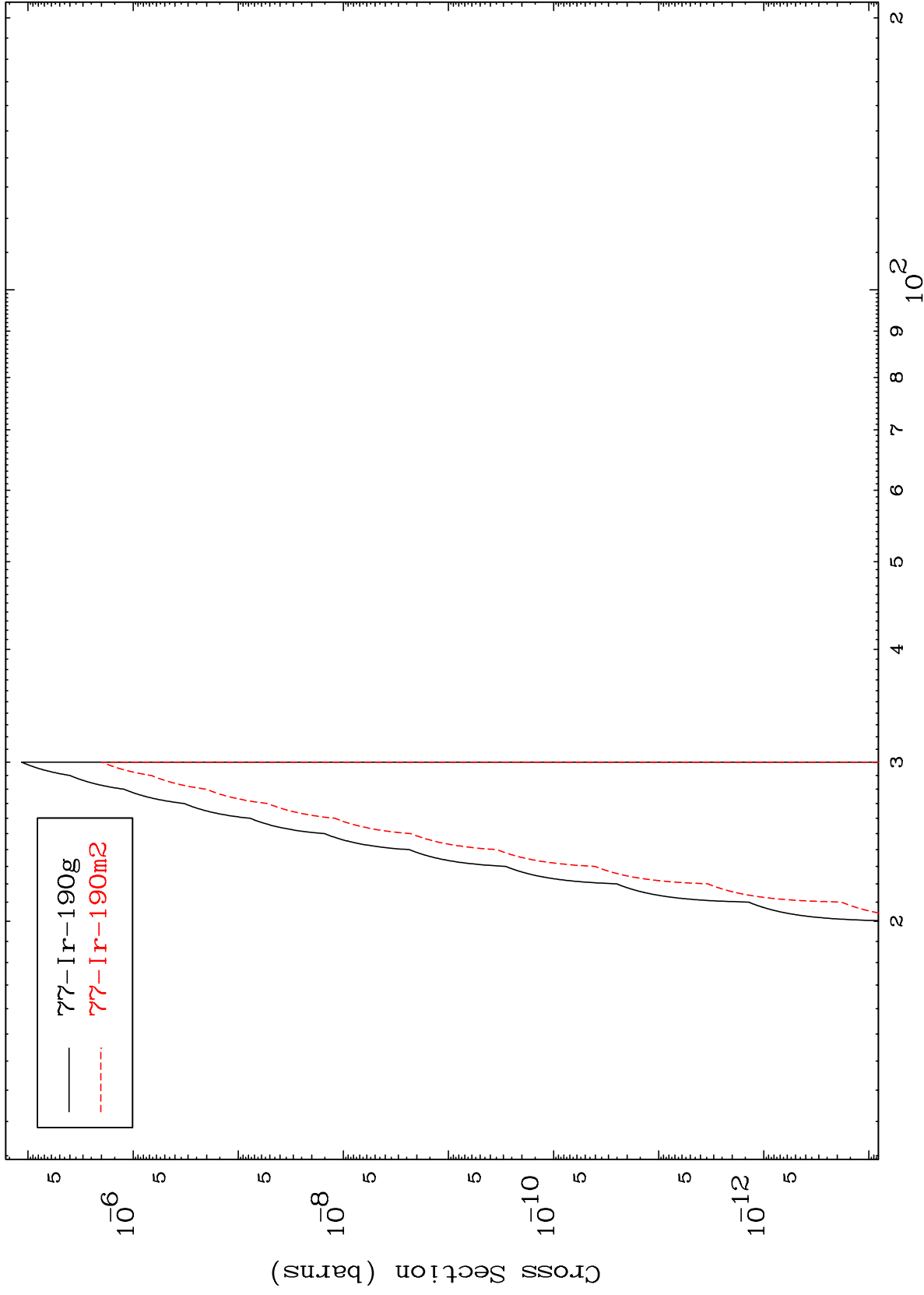


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(n,n') He-3

79-Au-193m

Radionuclide Production Cross Section



Incident Energy (MeV)

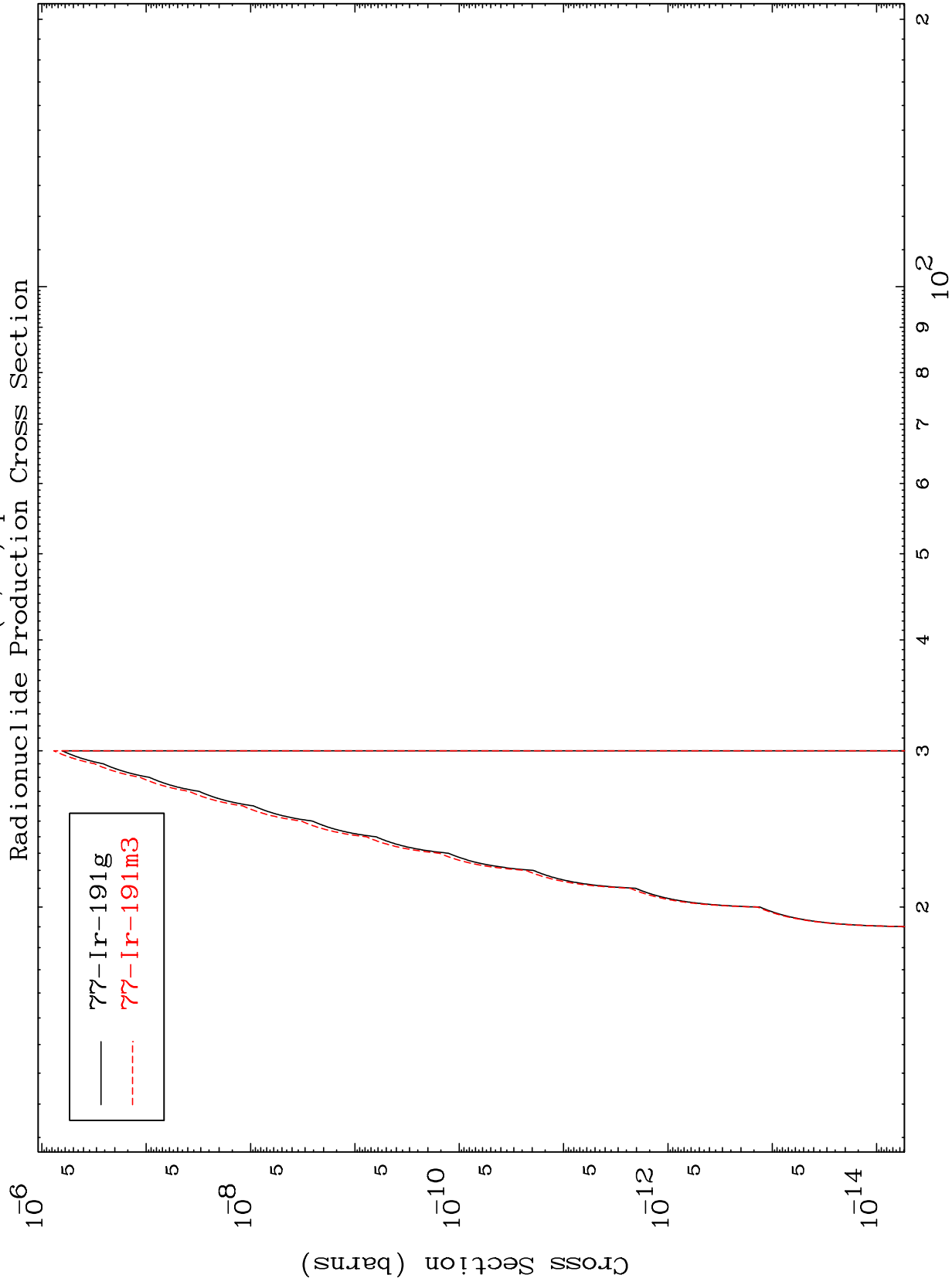
79-Au-193m

22

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<sup>79</sup>Au-193m

(n,2n) p  
Radionuclide Production Cross Section



Incident Energy (MeV)

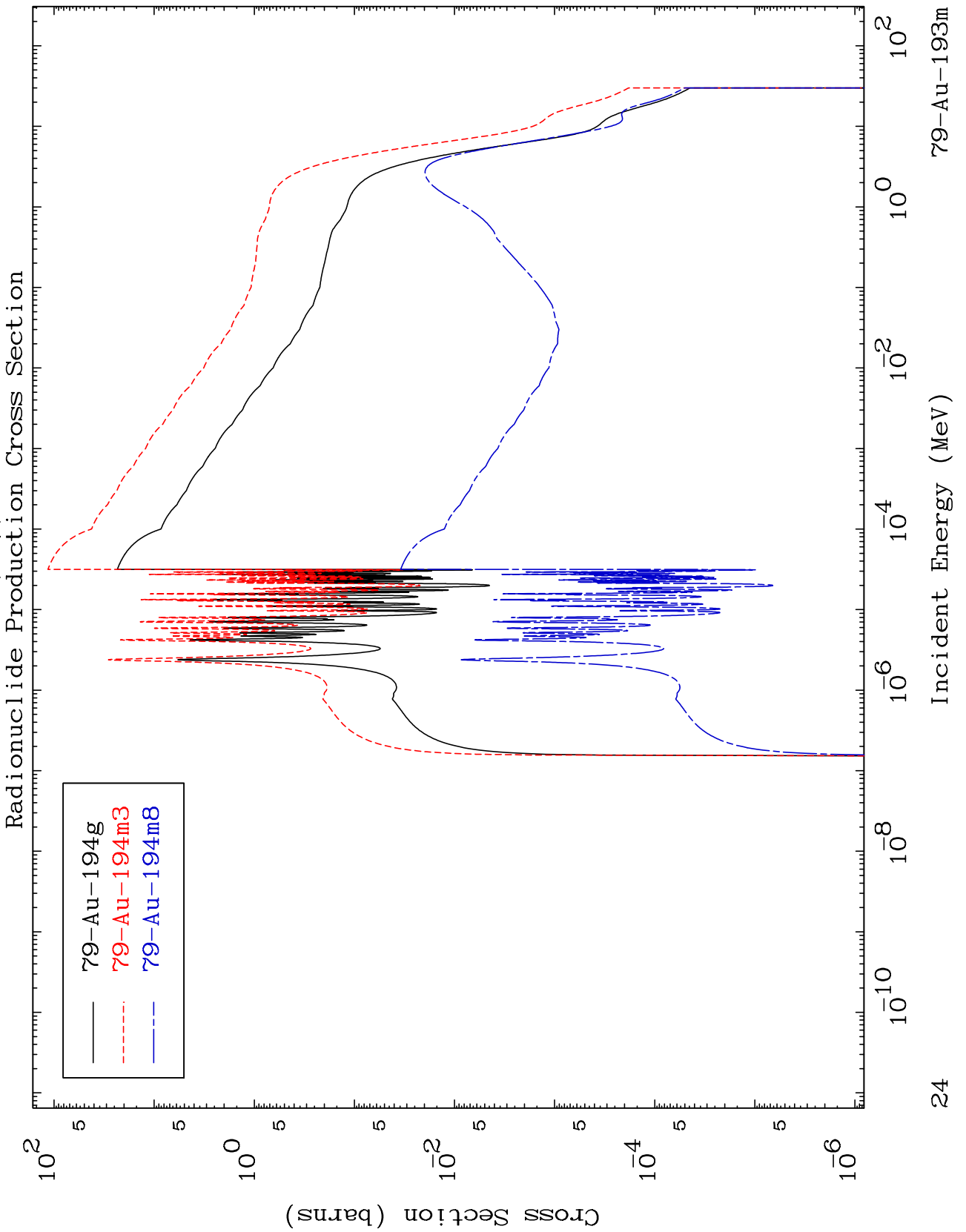
<sup>79</sup>Au-193m

23



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<sup>79</sup>Au-193m

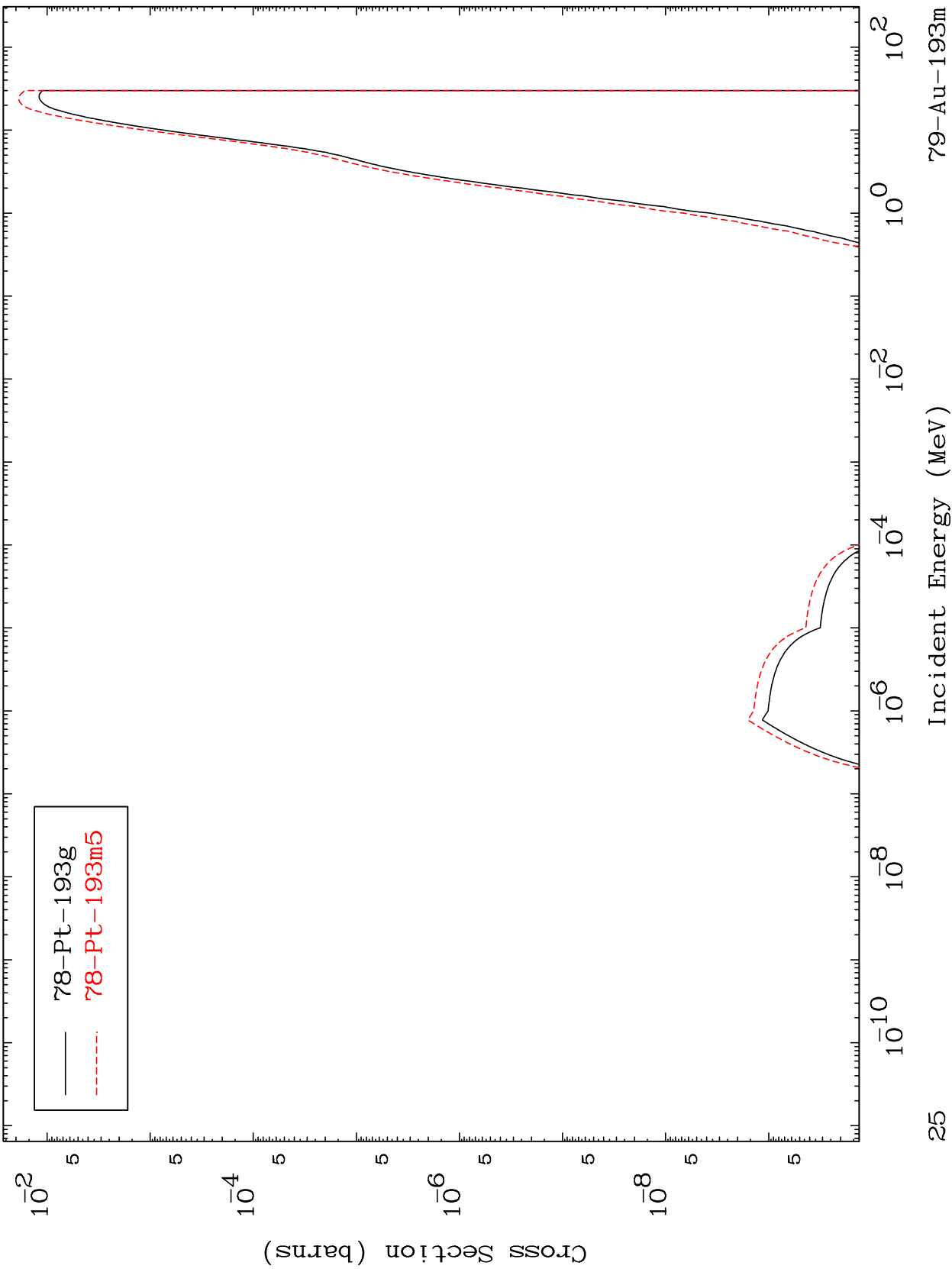


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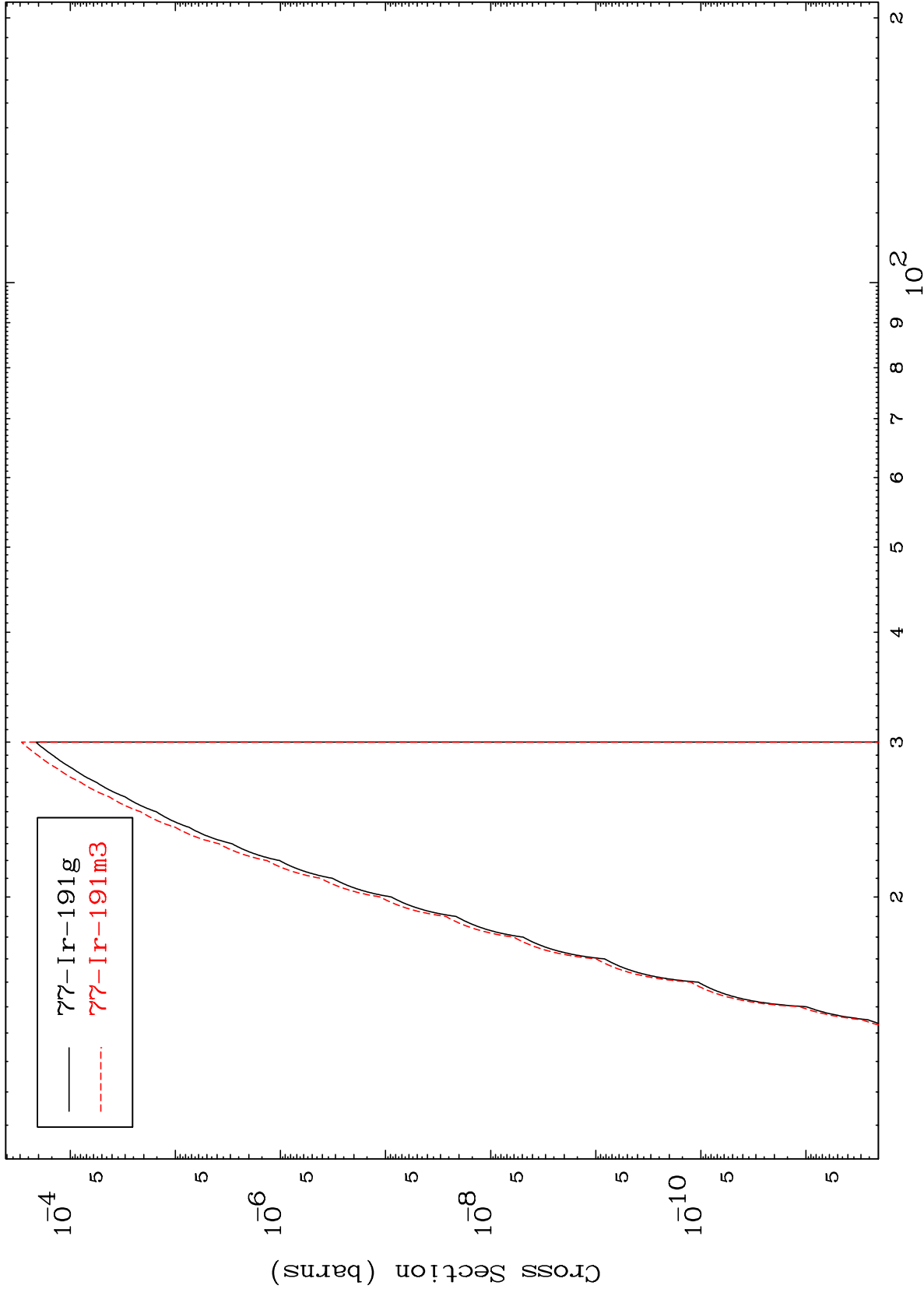
(n,p)

<sup>79</sup>Au-193m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

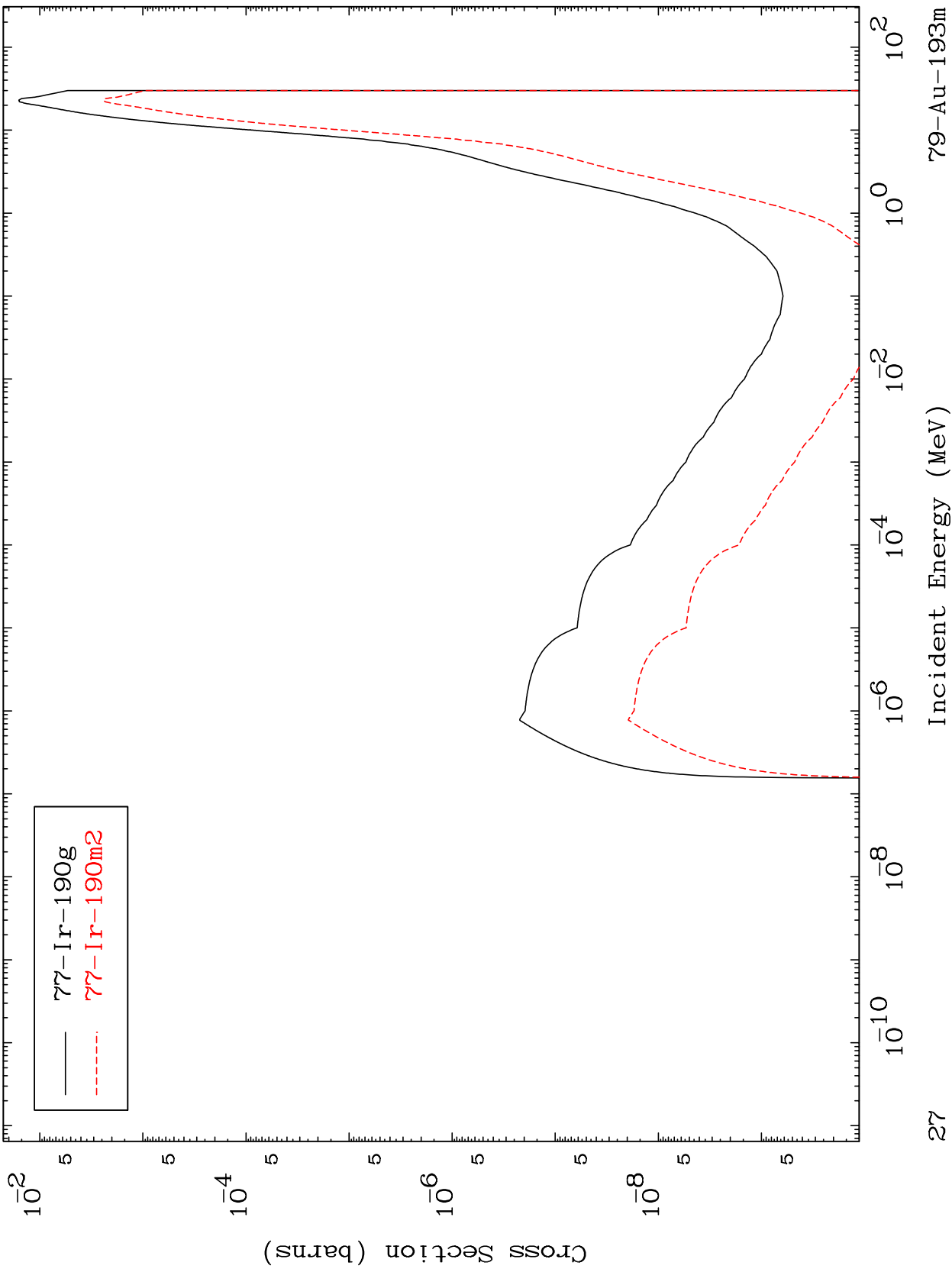


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(n,  $\alpha$ )

<sup>79</sup>Au-193m

Radionuclide Production Cross Section

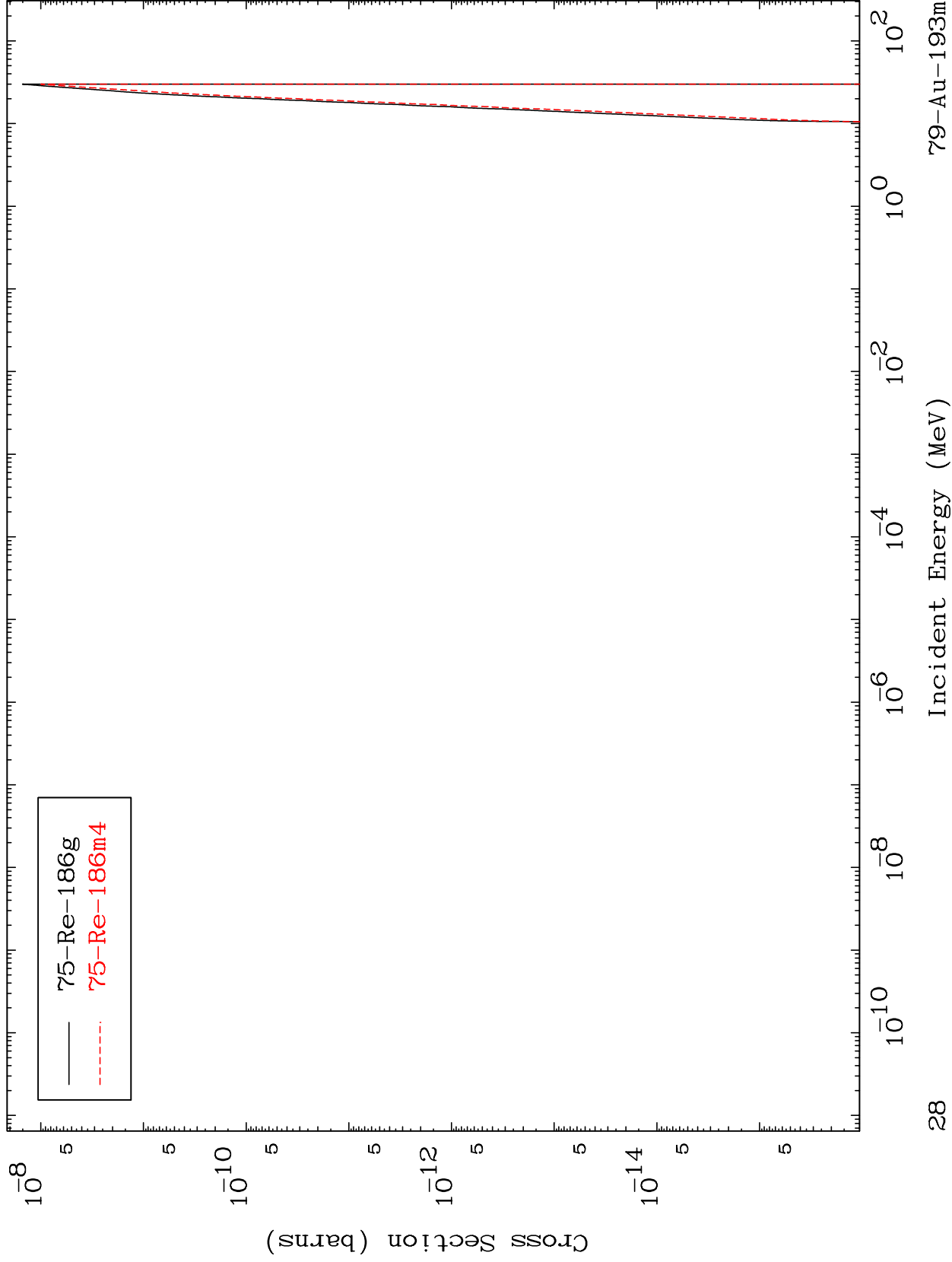


MAT 7914

(n,2 $\alpha$ )

<sup>79</sup>Au-193m

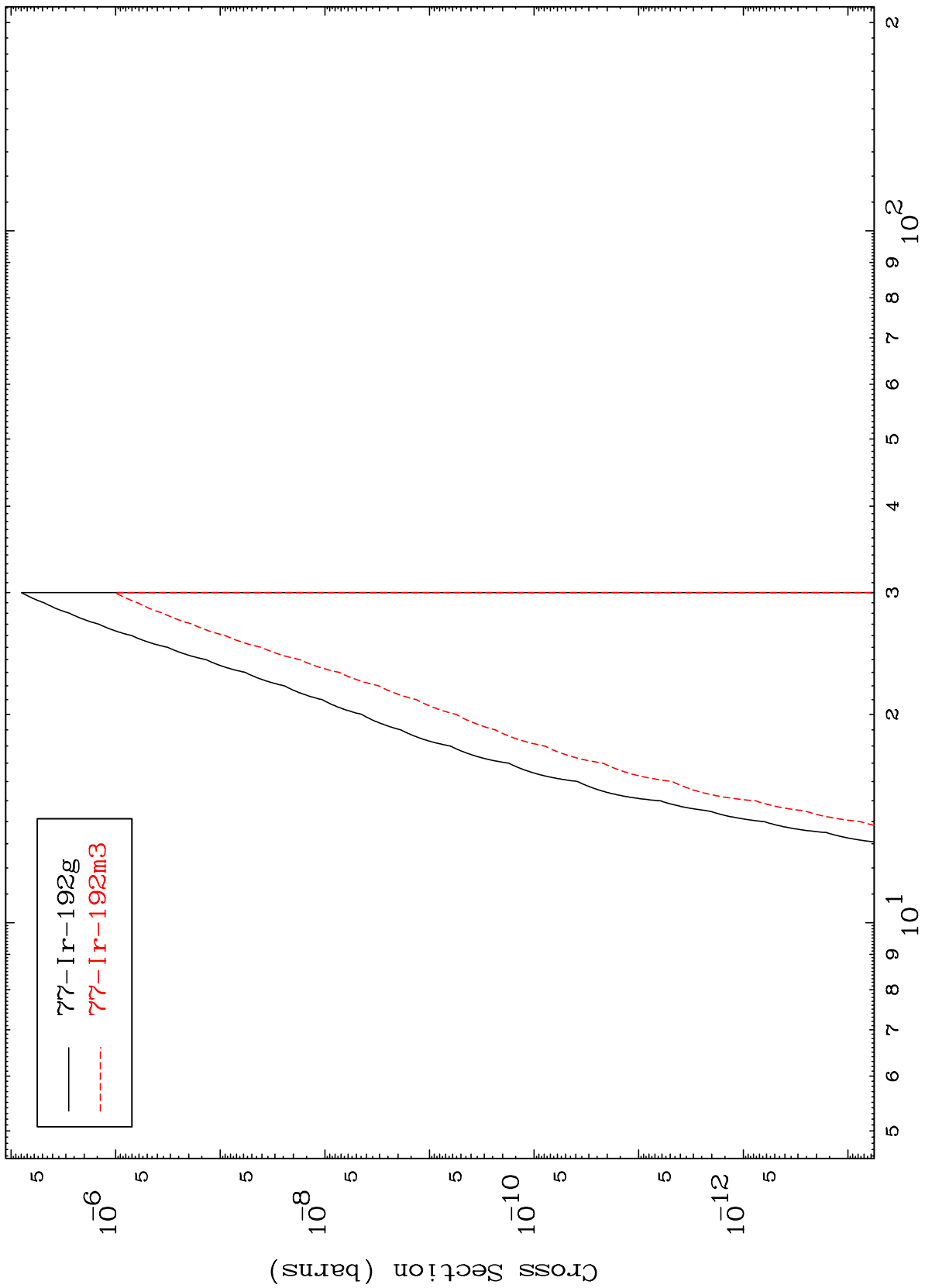
Radionuclide Production Cross Section



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79-Au-193m

(n,2p)  
Radionuclide Production Cross Section



—  $^{77}\text{Ir-192g}$   
- - -  $^{77}\text{Ir-192m3}$

29

Incident Energy (MeV)

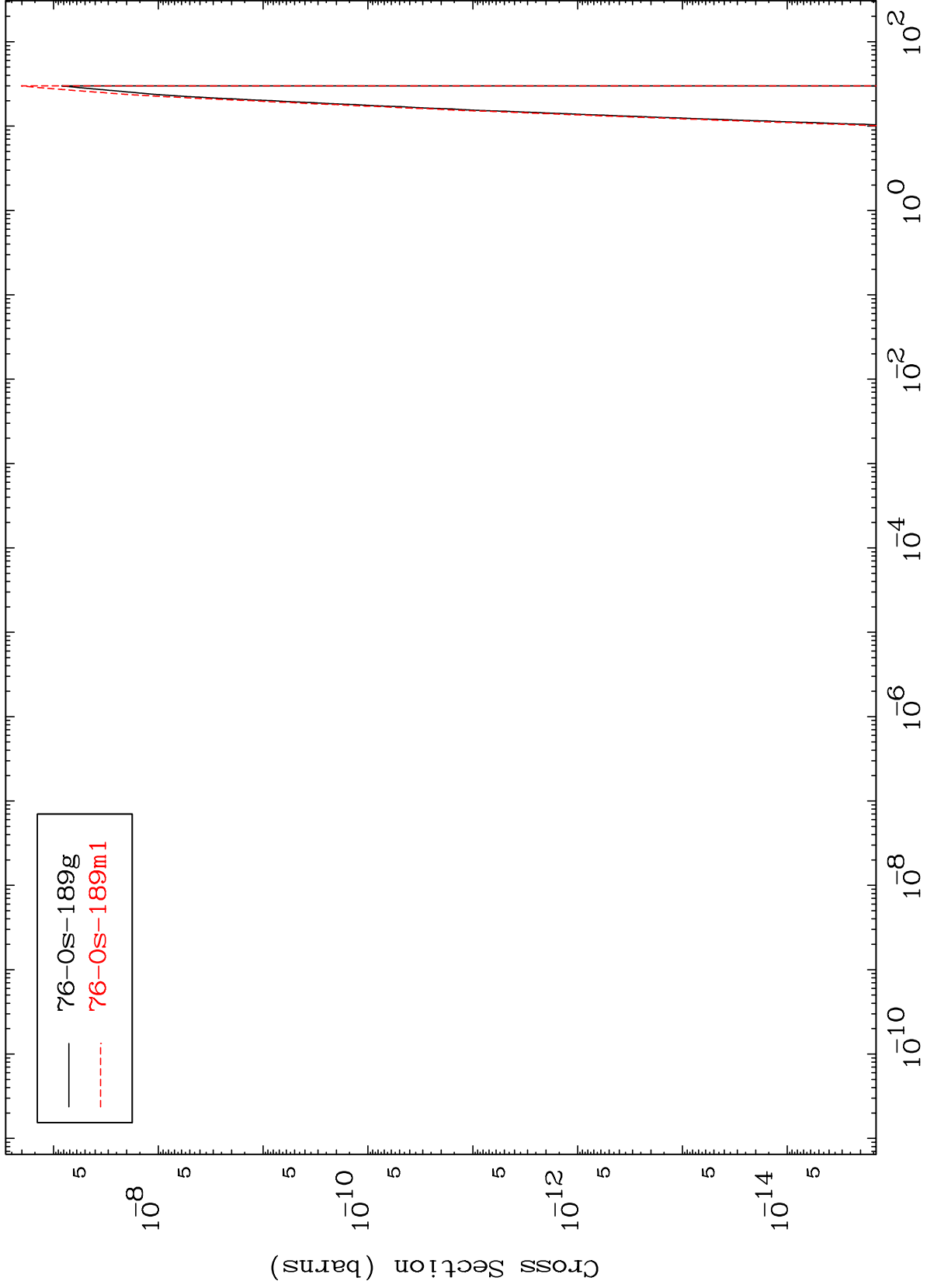
79-Au-193m

MAT 7914

(n,p)  $\alpha$

<sup>79</sup>Au-193m

Radionuclide Production Cross Section

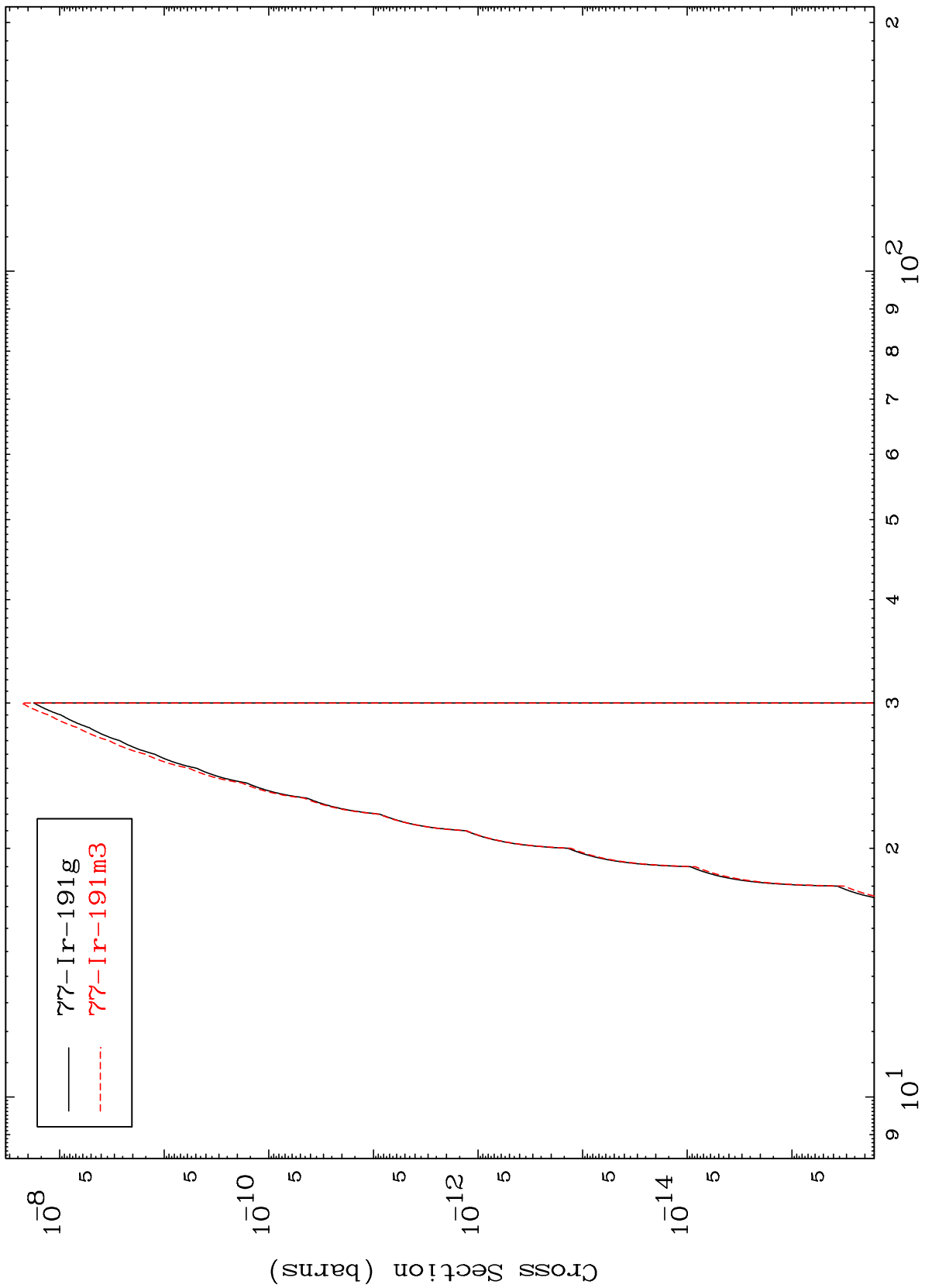


MAT 7914

(n,p) d

<sup>79</sup>Au-193m

Radionuclide Production Cross Section



— <sup>77</sup>-Ir-191g  
- - - <sup>77</sup>-Ir-191m3

31

Incident Energy (MeV)

<sup>79</sup>Au-193m

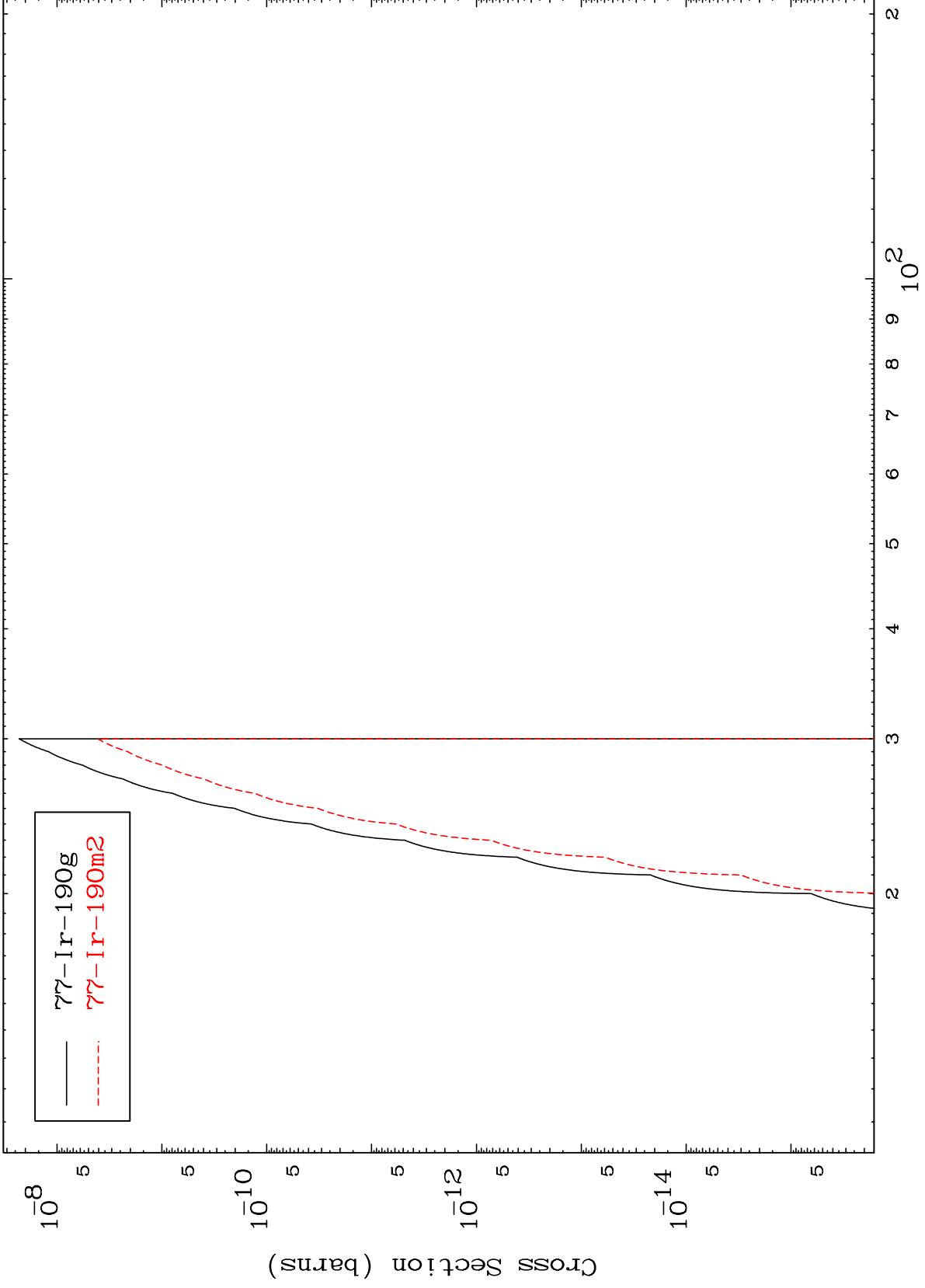


MAT 7914

(n,p) t

<sup>79</sup>Au-193m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

<sup>79</sup>Au-193m