

Program EVALPLOT  
(Version 2021-1)

by

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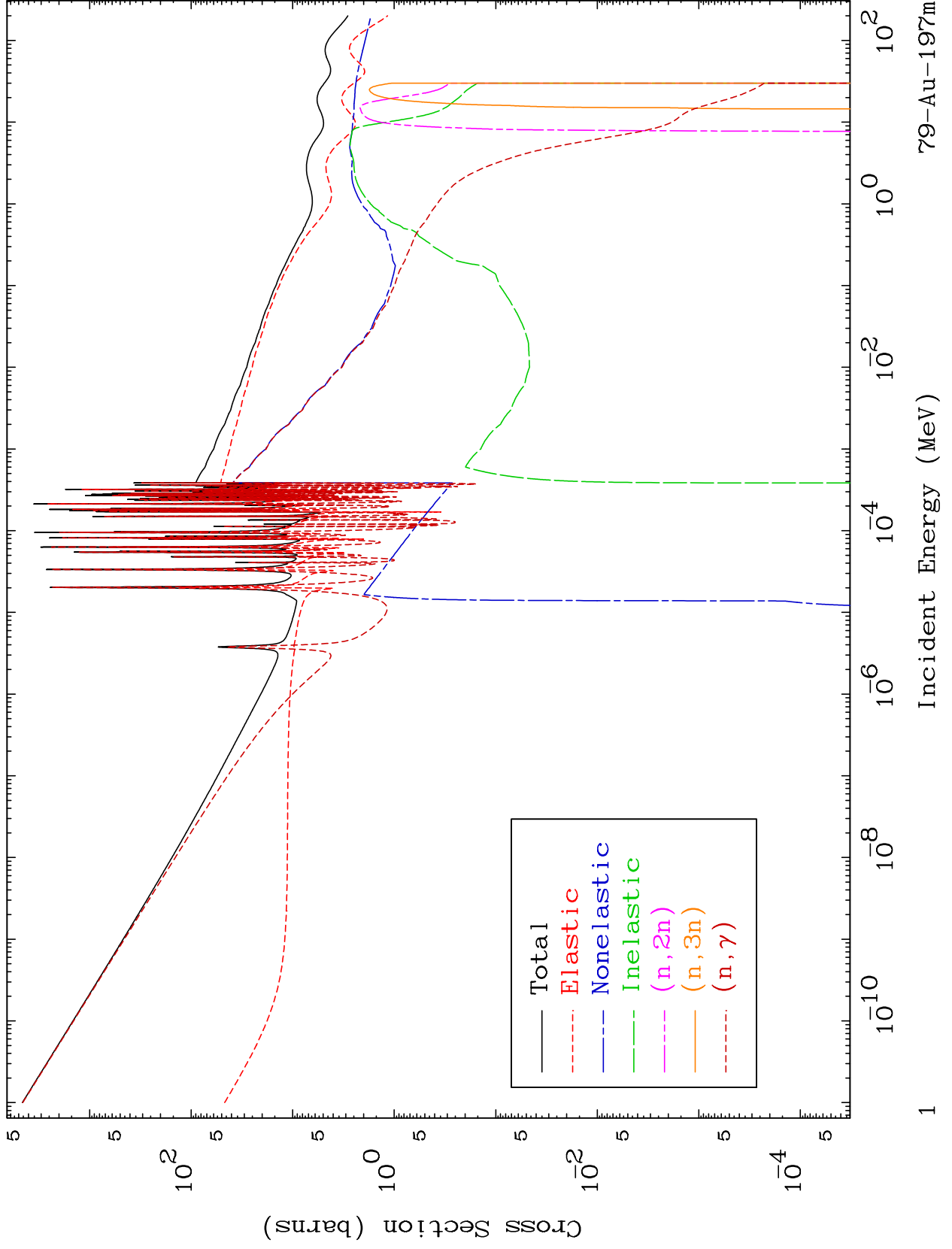
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7926

Neutron Major  
293 Kelvin Cross Sections

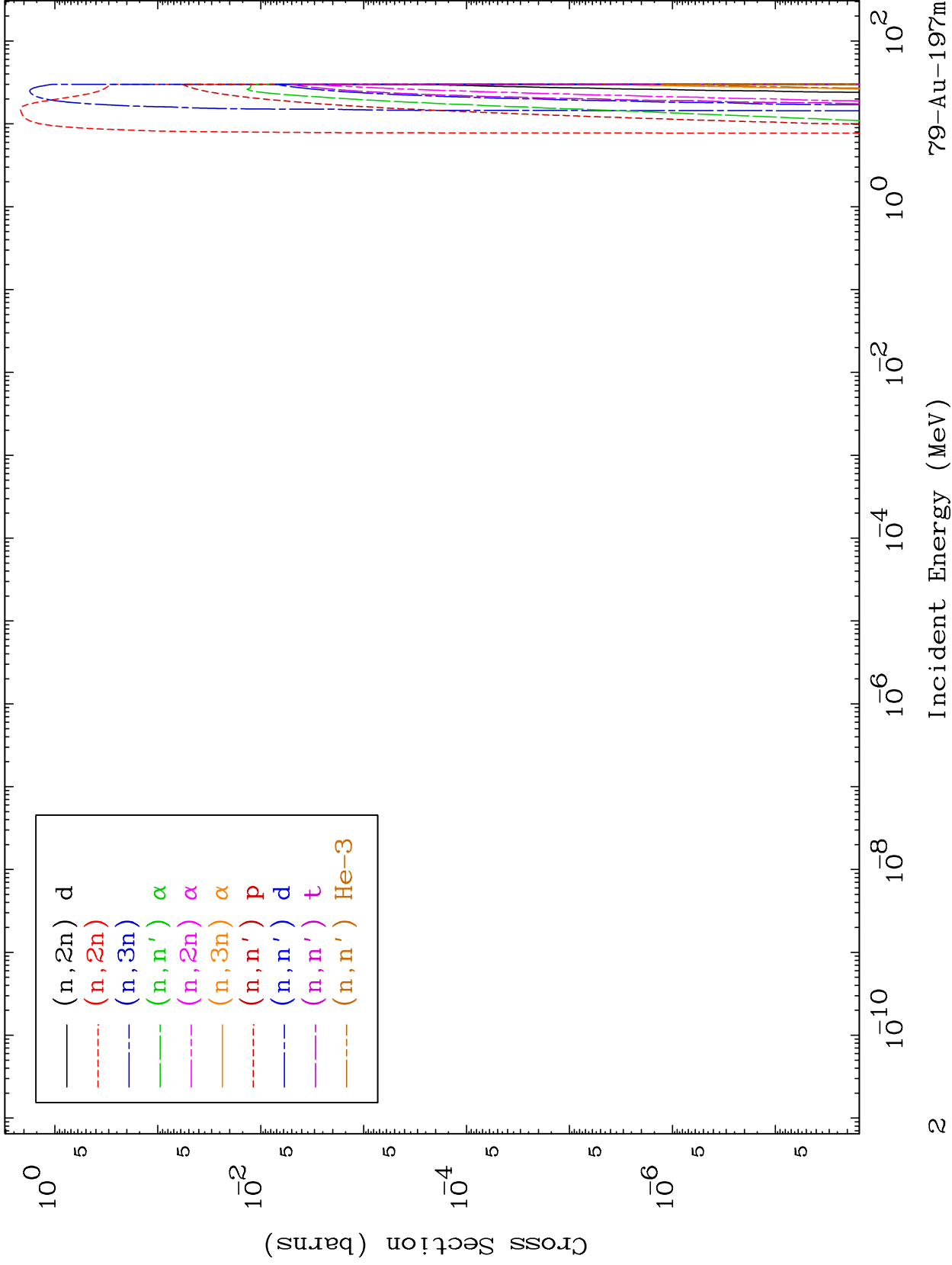
79-Au-197m



MAT 7926

Neutron Absorption  
293 Kelvin Cross Sections

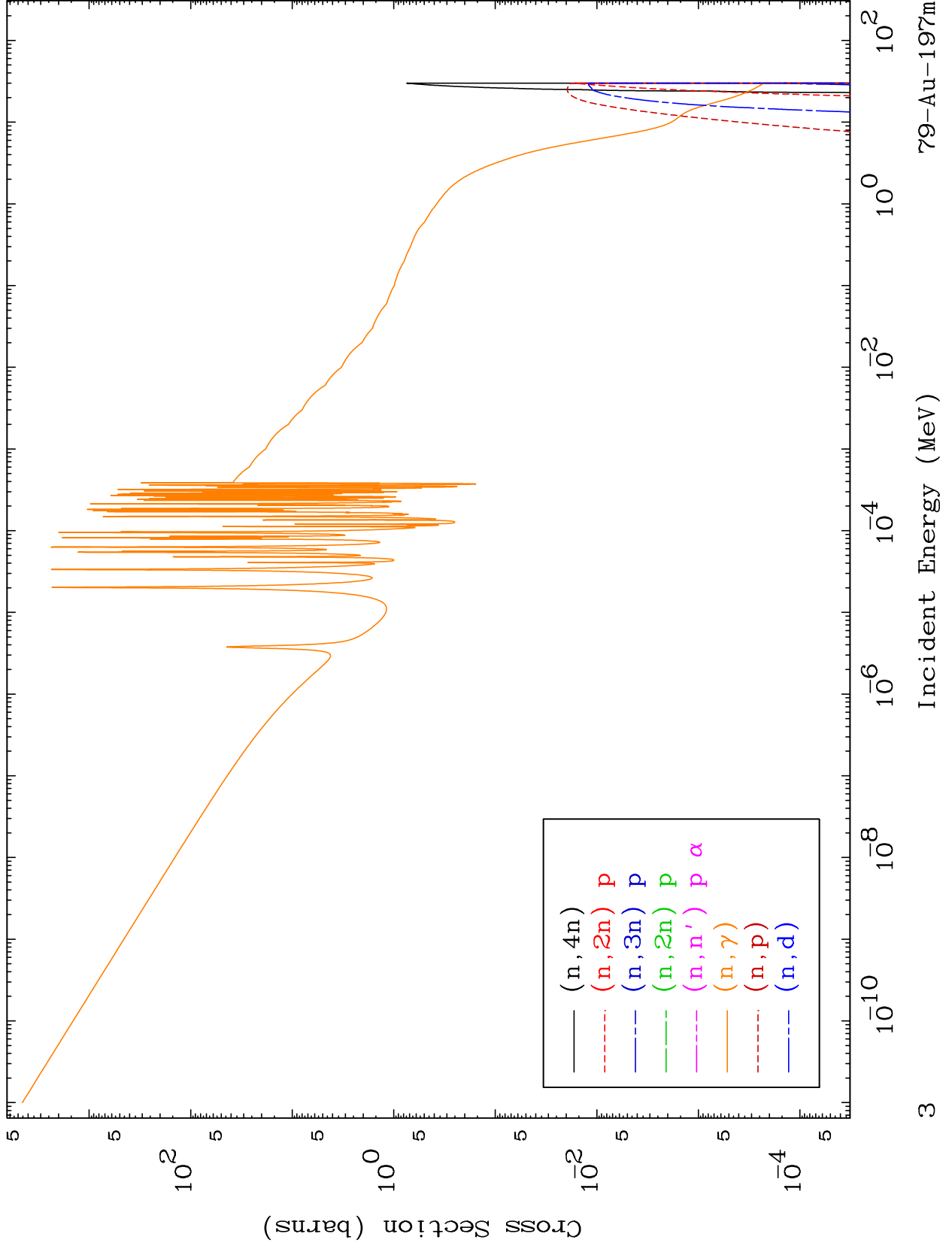
79-Au-197m



MAT 7926

Neutron Absorption  
293 Kelvin Cross Sections

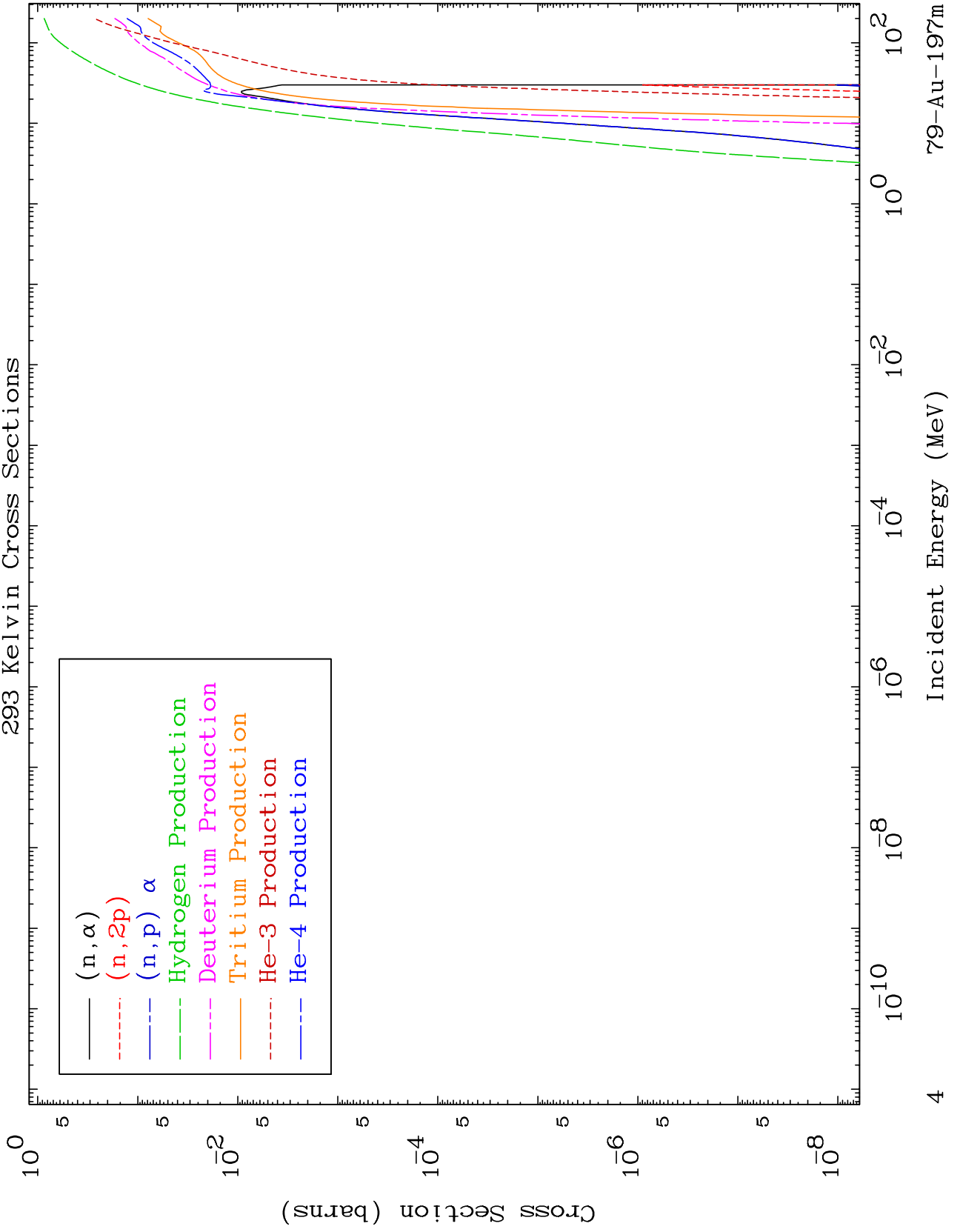
<sup>79</sup>Au-197m



MAT 7926

Neutron Absorption  
293 Kelvin Cross Sections

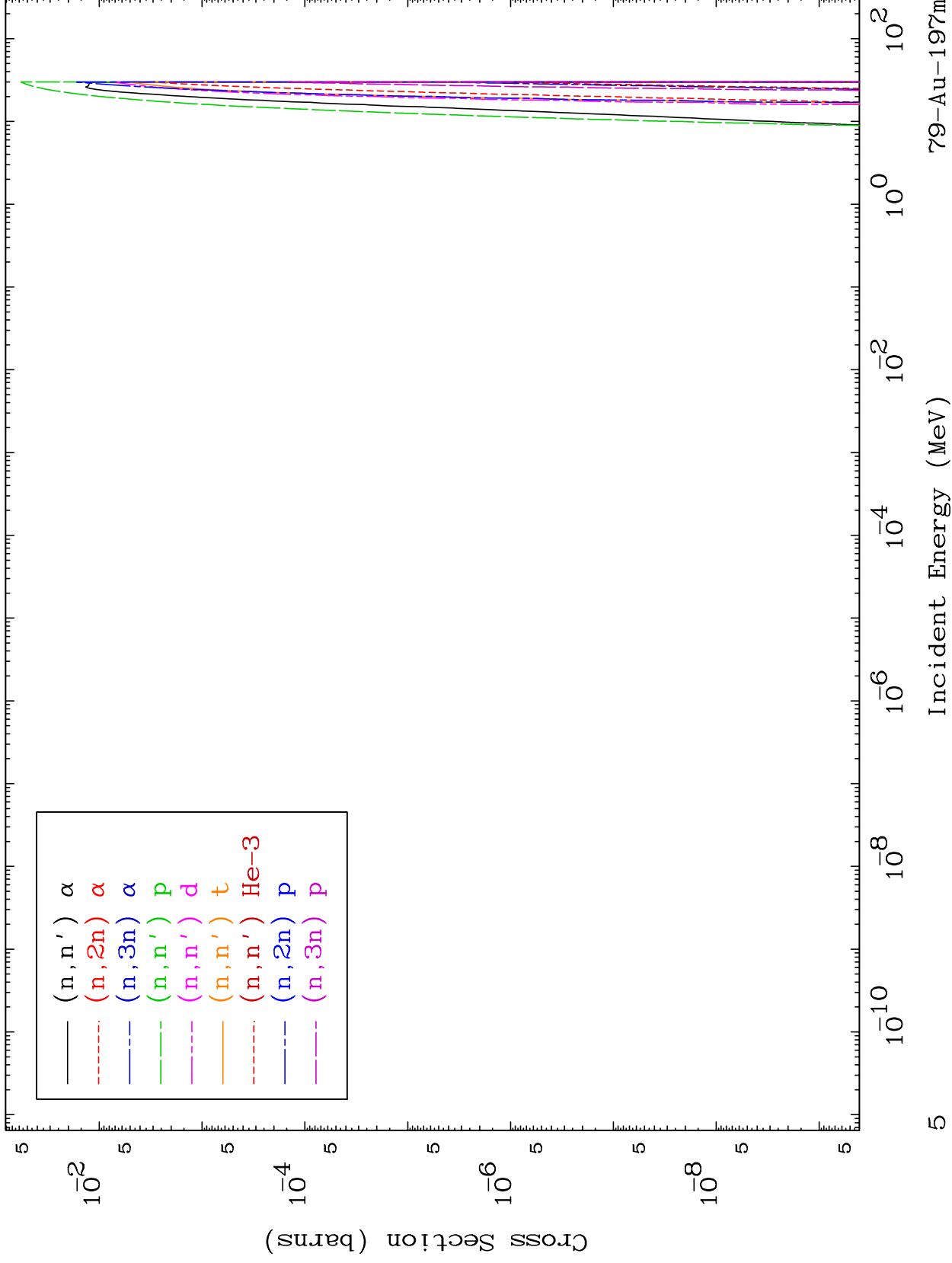
<sup>79</sup>Au-197m



MAT 7926

Charged Particle  
293 Kelvin Cross Sections

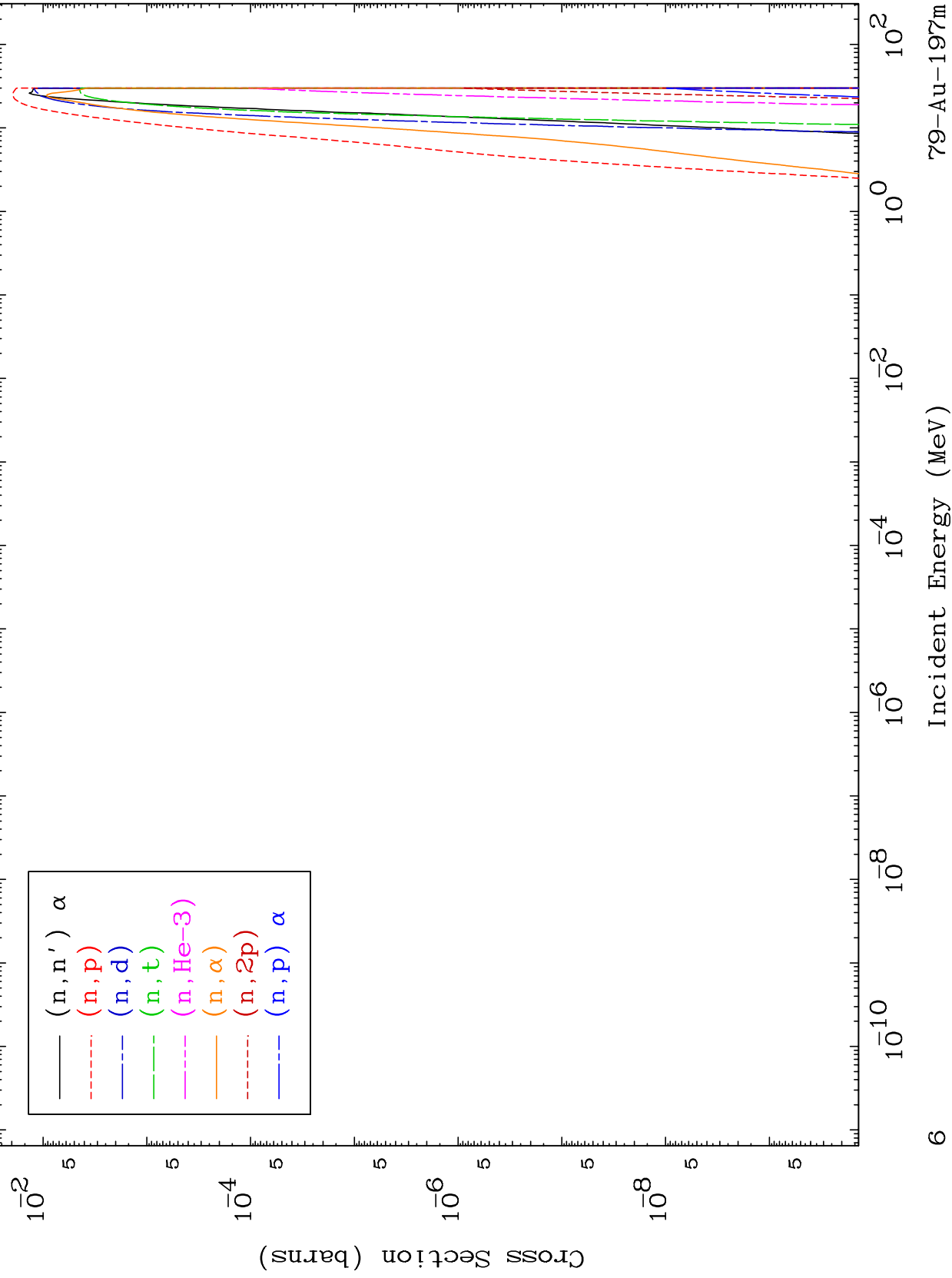
79-Au-197m



MAT 7926

Charged Particle  
293 Kelvin Cross Sections

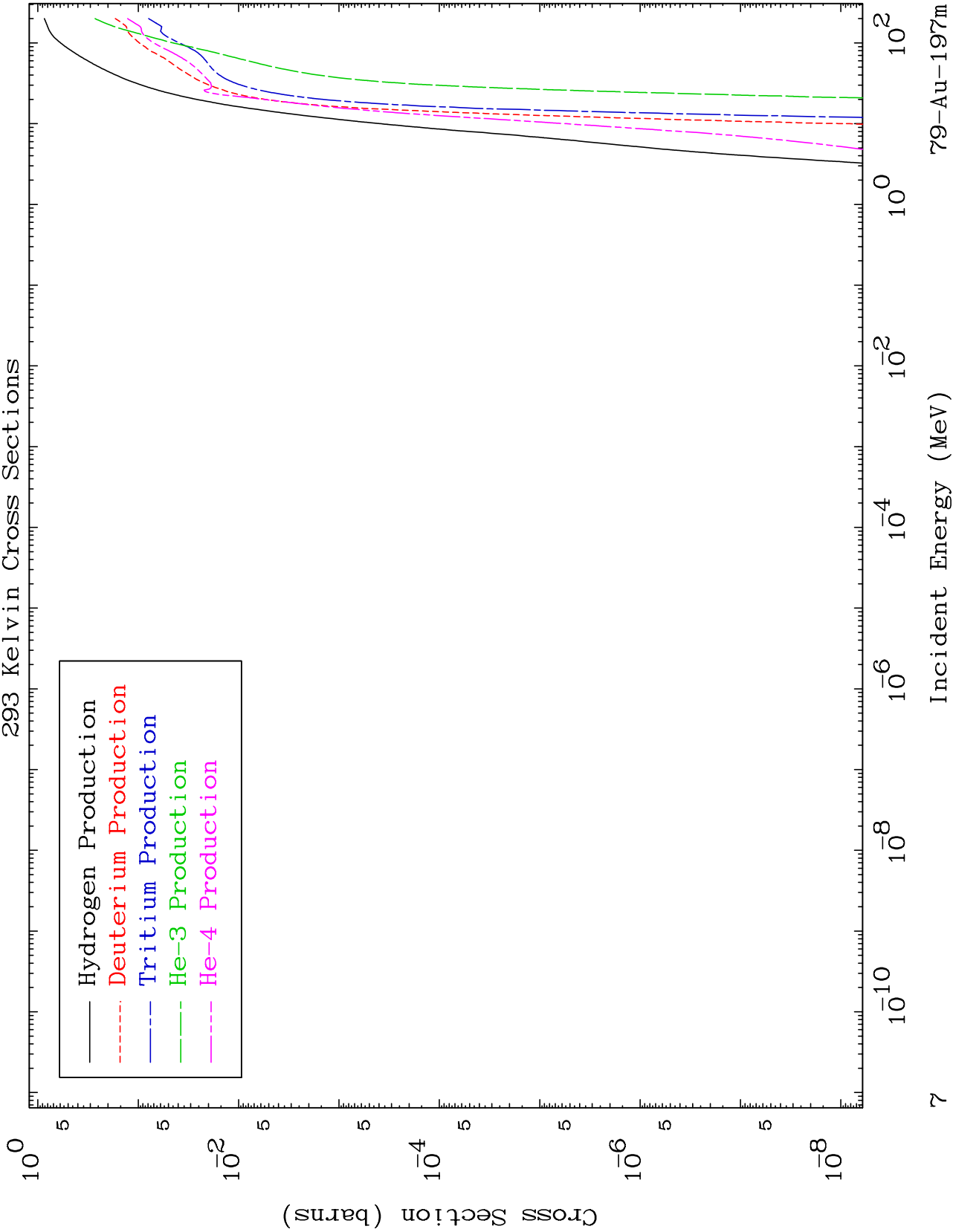
79-Au-197m



MAT 7926

Particle Production  
293 Kelvin Cross Sections

79-Au-197m

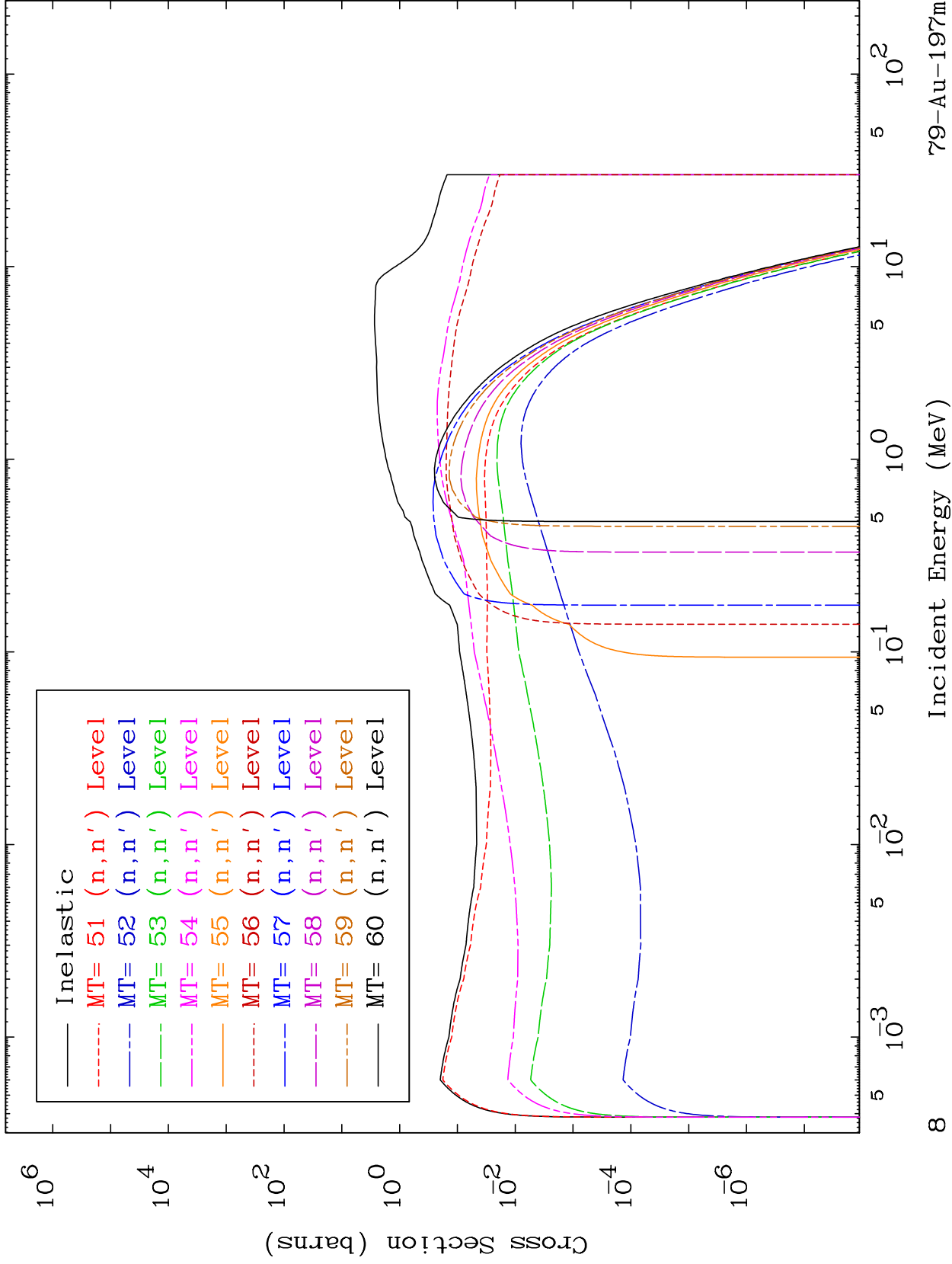




MAT 7926

(n,n') Levels  
293 Kelvin Cross Sections

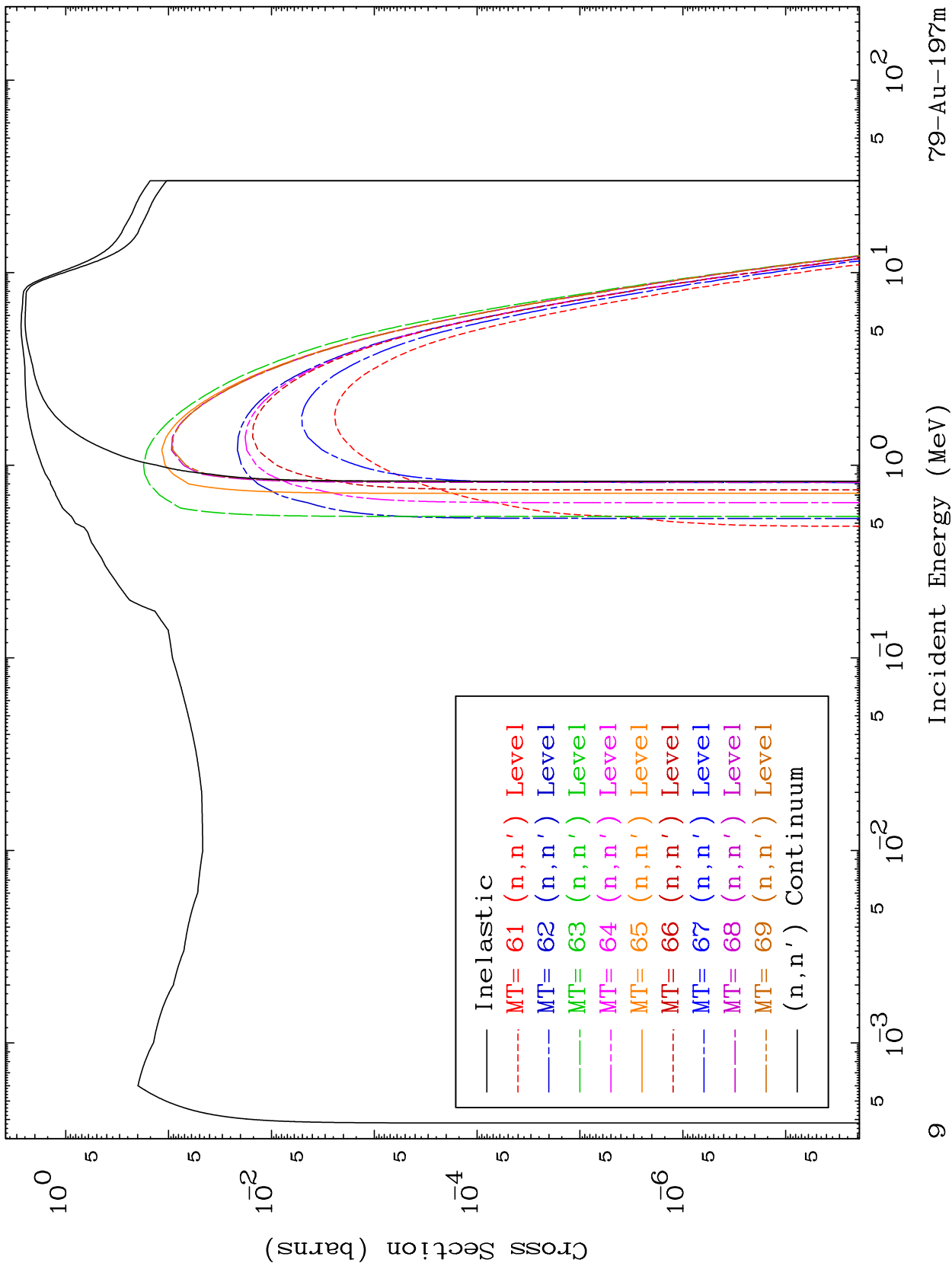
79-Au-197m



MAT 7926

(n,n') Levels  
293 Kelvin Cross Sections

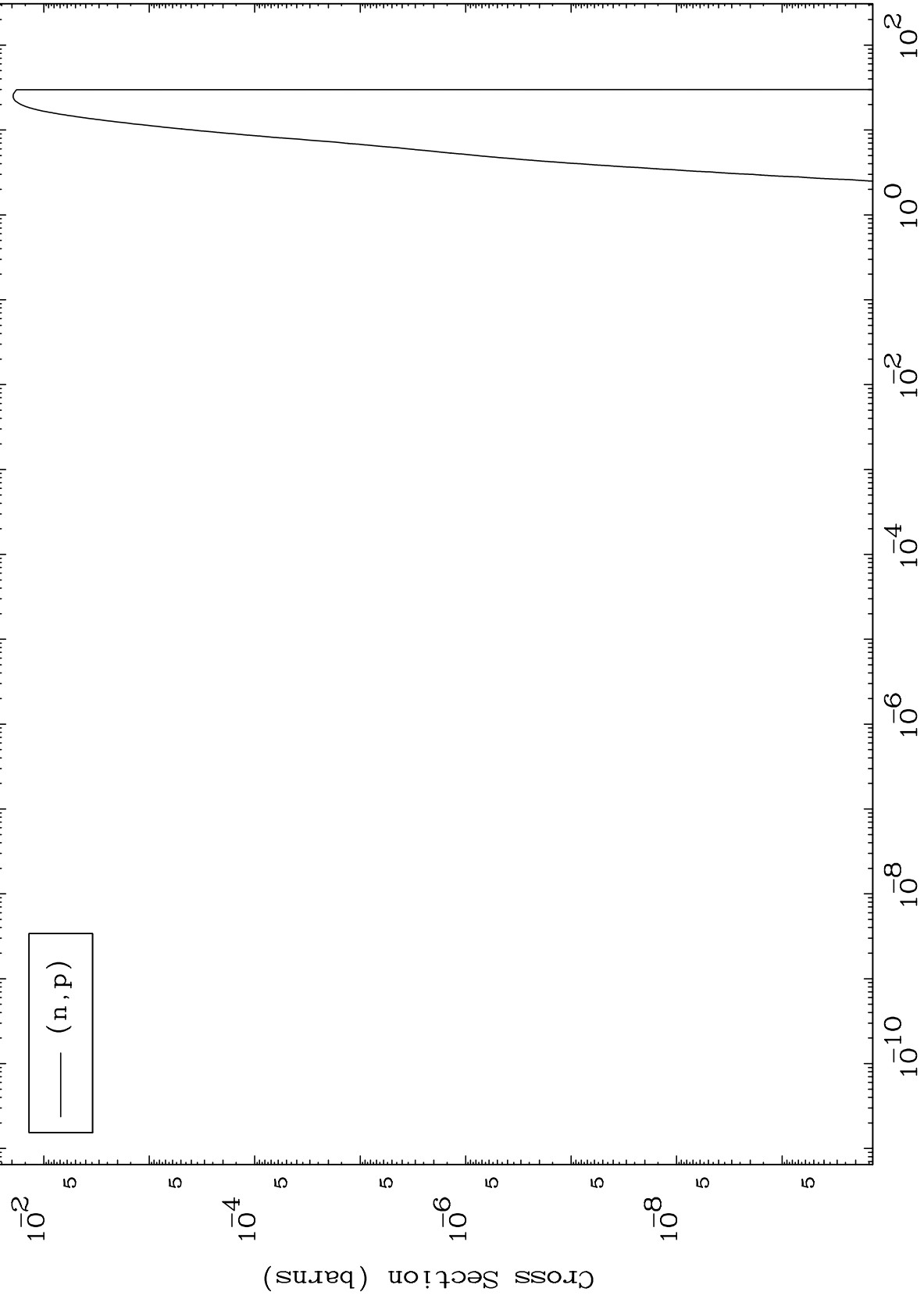
<sup>79</sup>Au-197m



MAT 7926

(n,p) Levels  
293 Kelvin Cross Sections

<sup>79</sup>Au-197m



(n,p)

<sup>79</sup>Au-197m

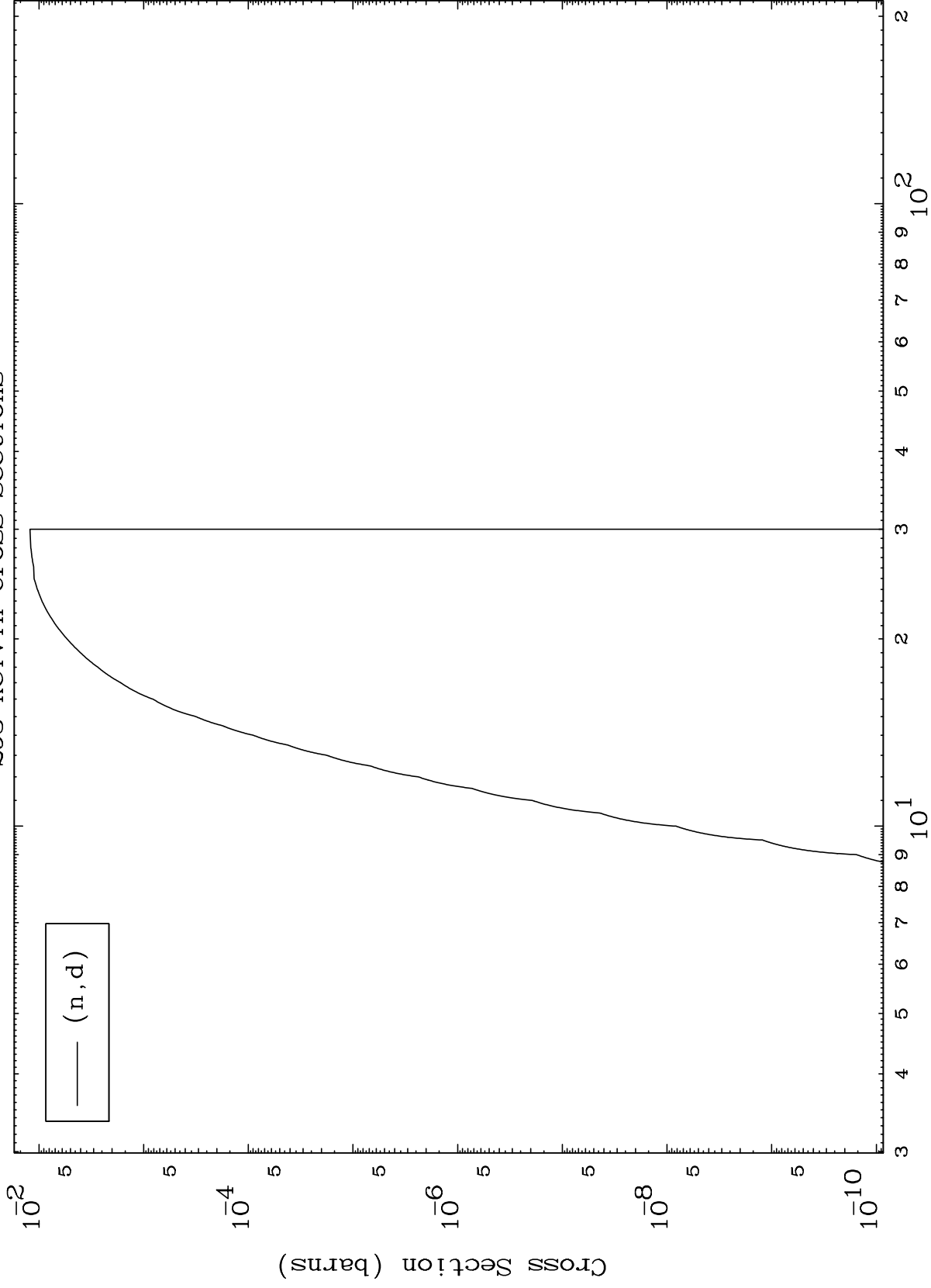
Incident Energy (MeV)

10

MAT 7926

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-197m



11

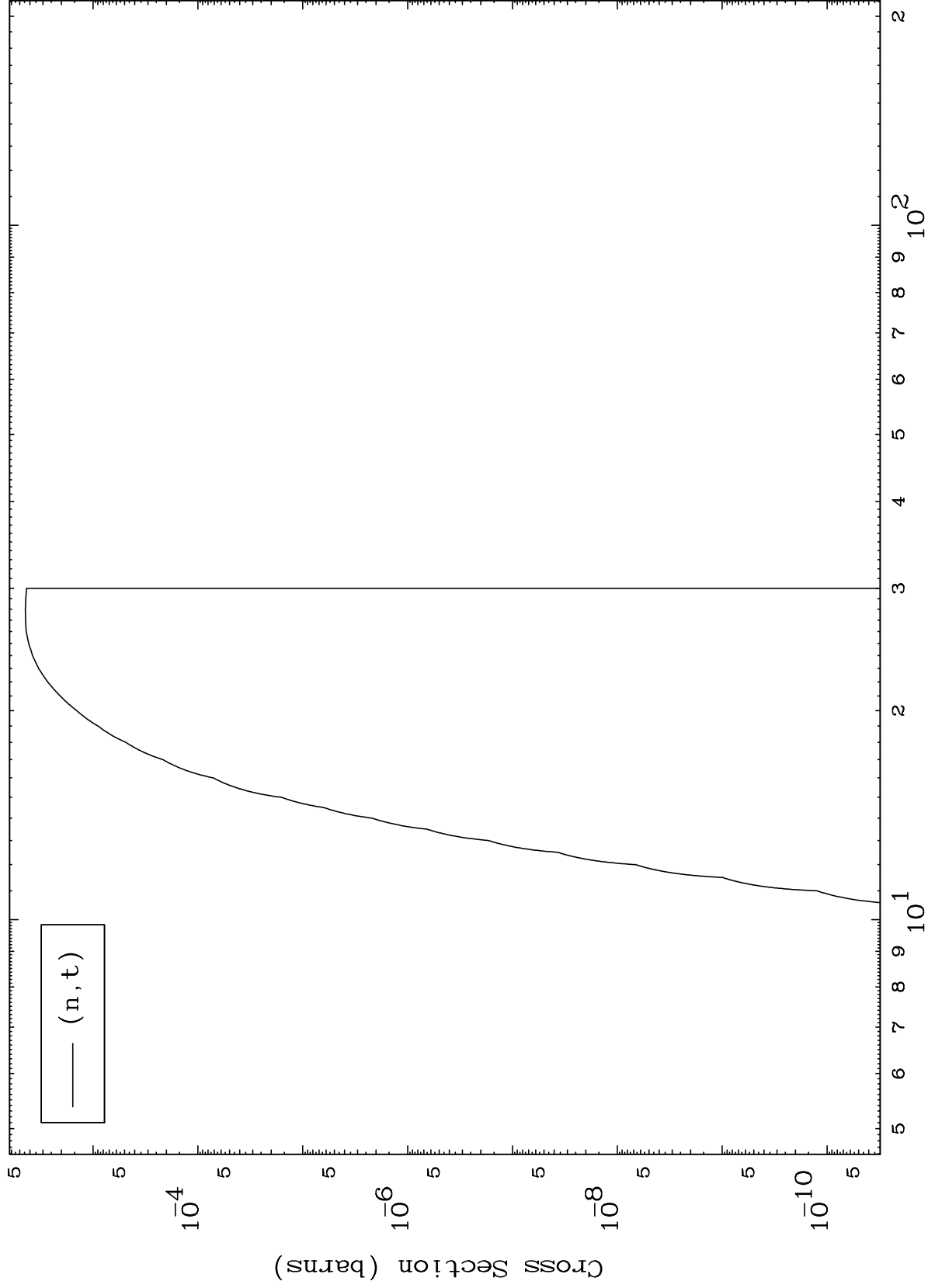
Incident Energy (MeV)

79-Au-197m

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(n,t) Levels  
293 Kelvin Cross Sections

79-Au-197m



12

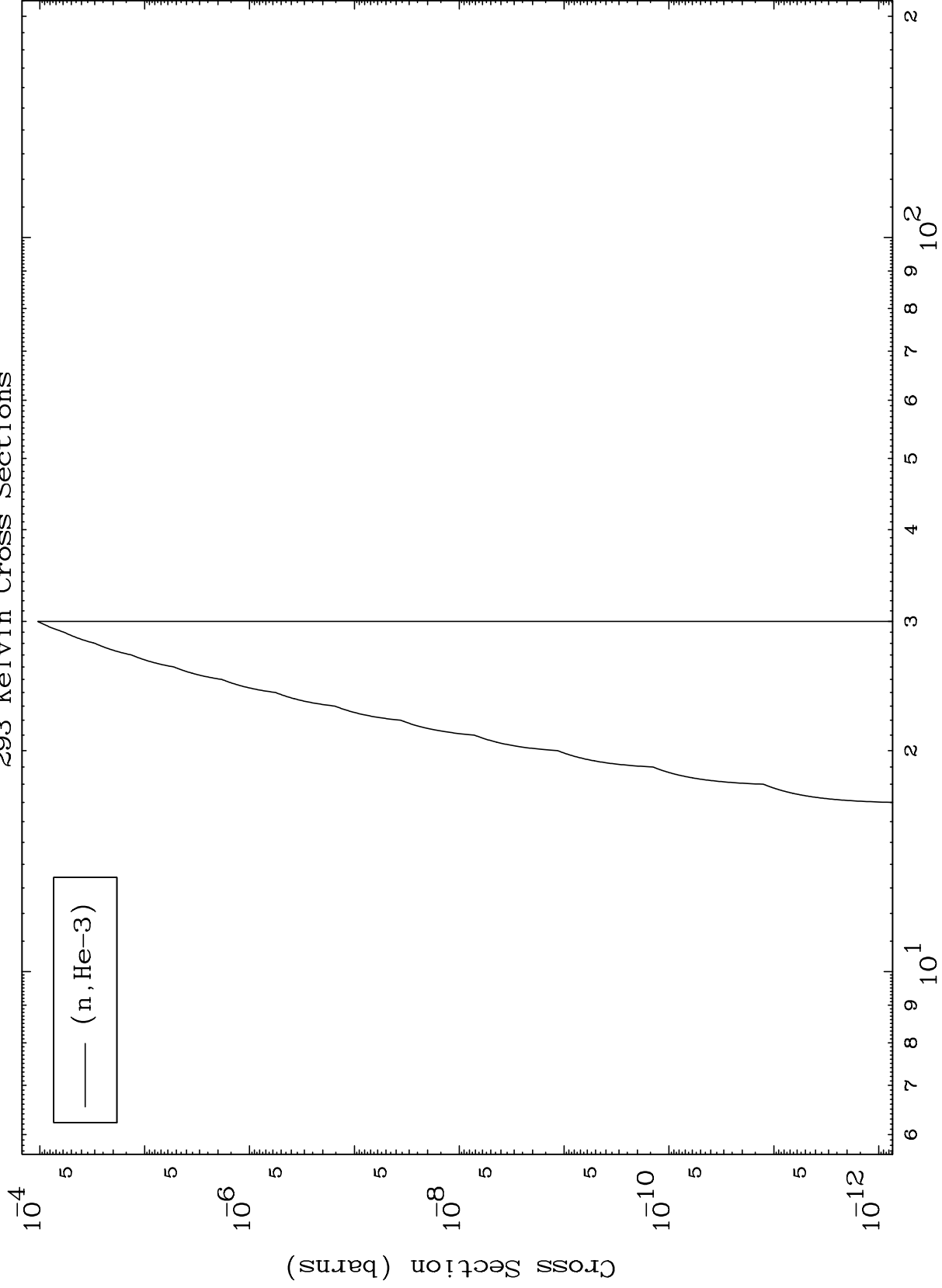
Incident Energy (MeV)

79-Au-197m

MAT 7926

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-197m



13

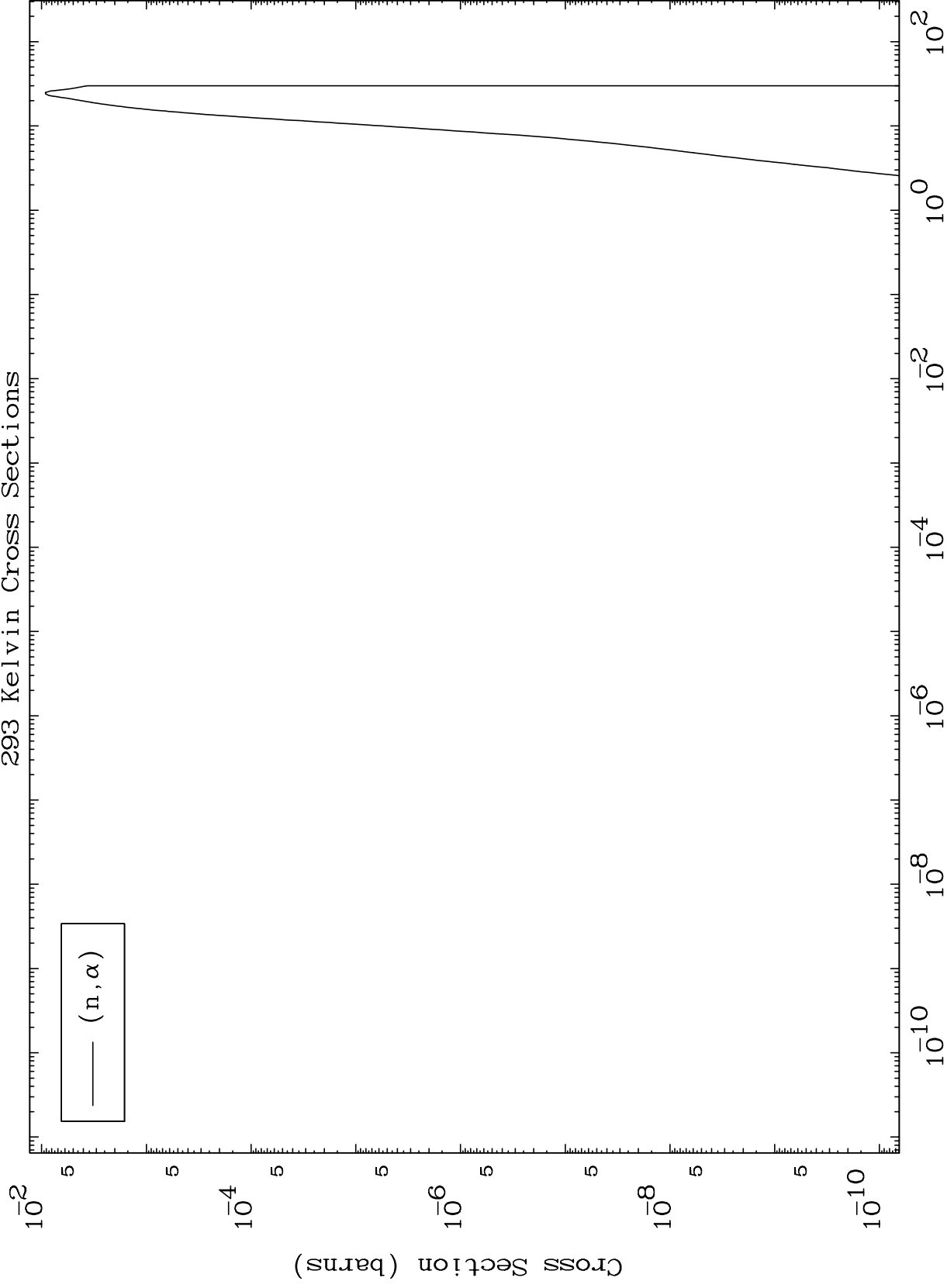
Incident Energy (MeV)

79-Au-197m

MAT 7926

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

<sup>79</sup>Au-197m



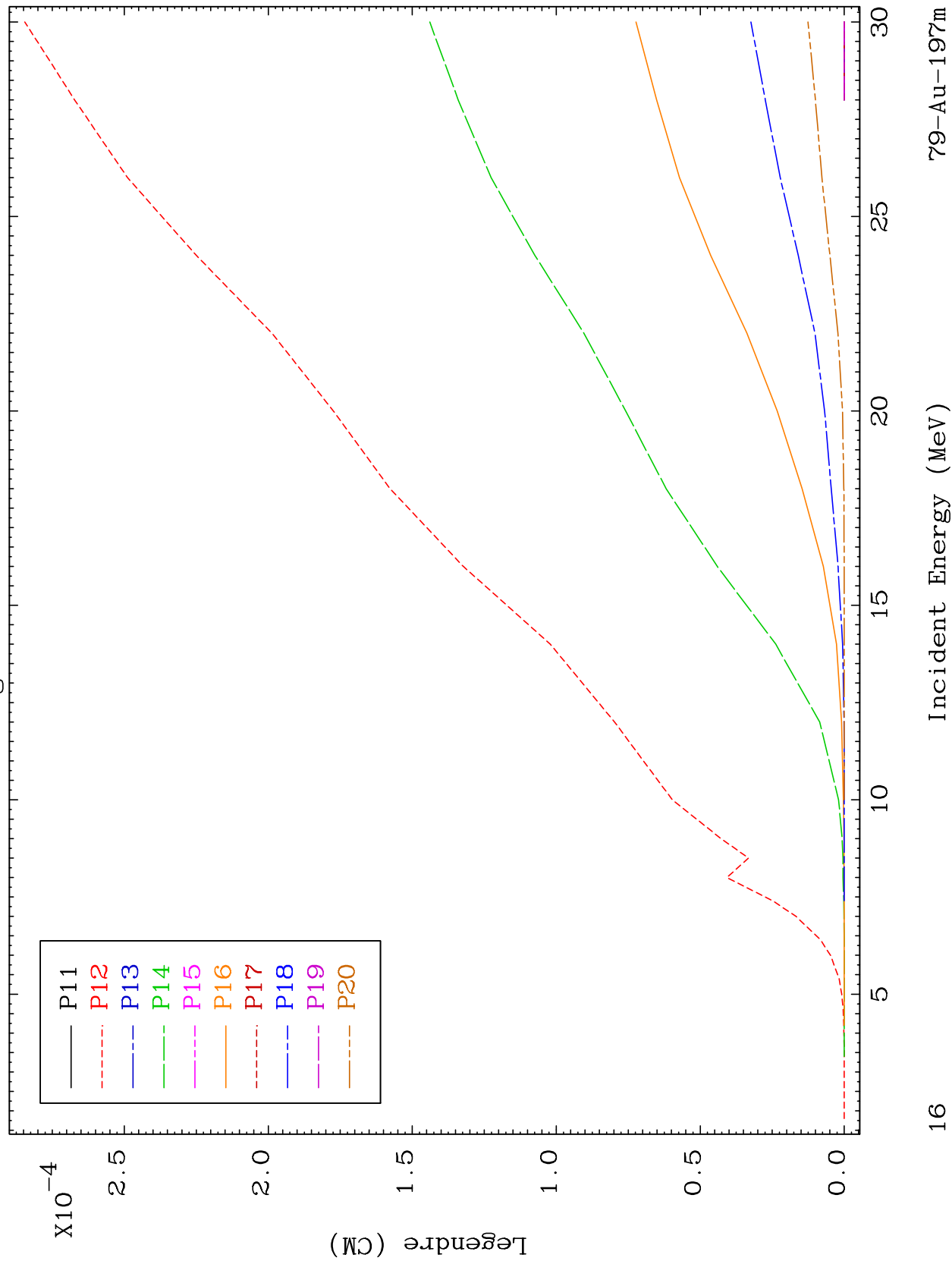




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Elastic Legendre Coefficients

79-Au-197m



16

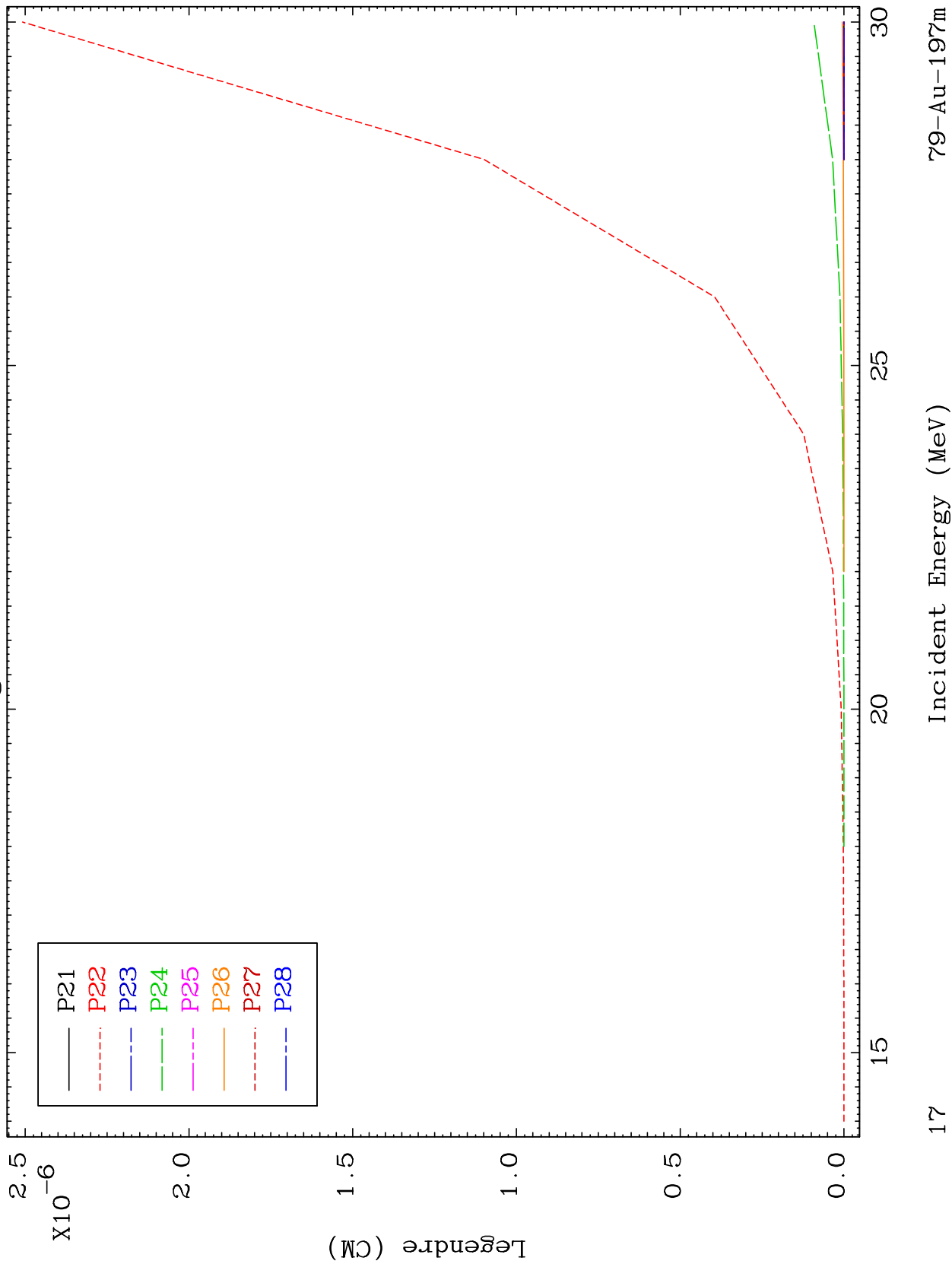
79-Au-197m

Incident Energy (MeV)

MAT 7926

Elastic Legendre Coefficients

<sup>79</sup>Au-197m



17

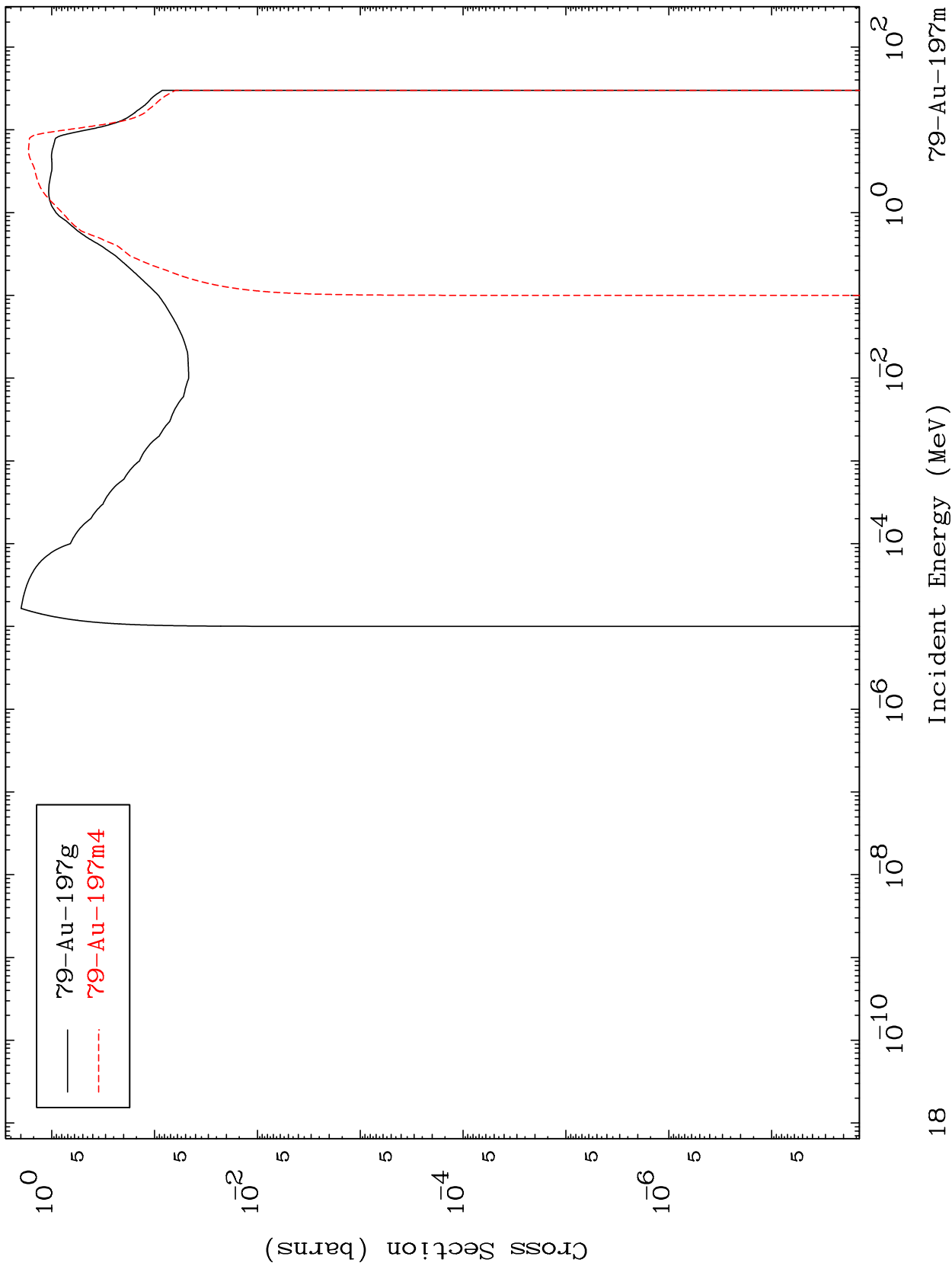
Incident Energy (MeV)

<sup>79</sup>Au-197m

MAT 7926

<sup>79</sup>Au-197m

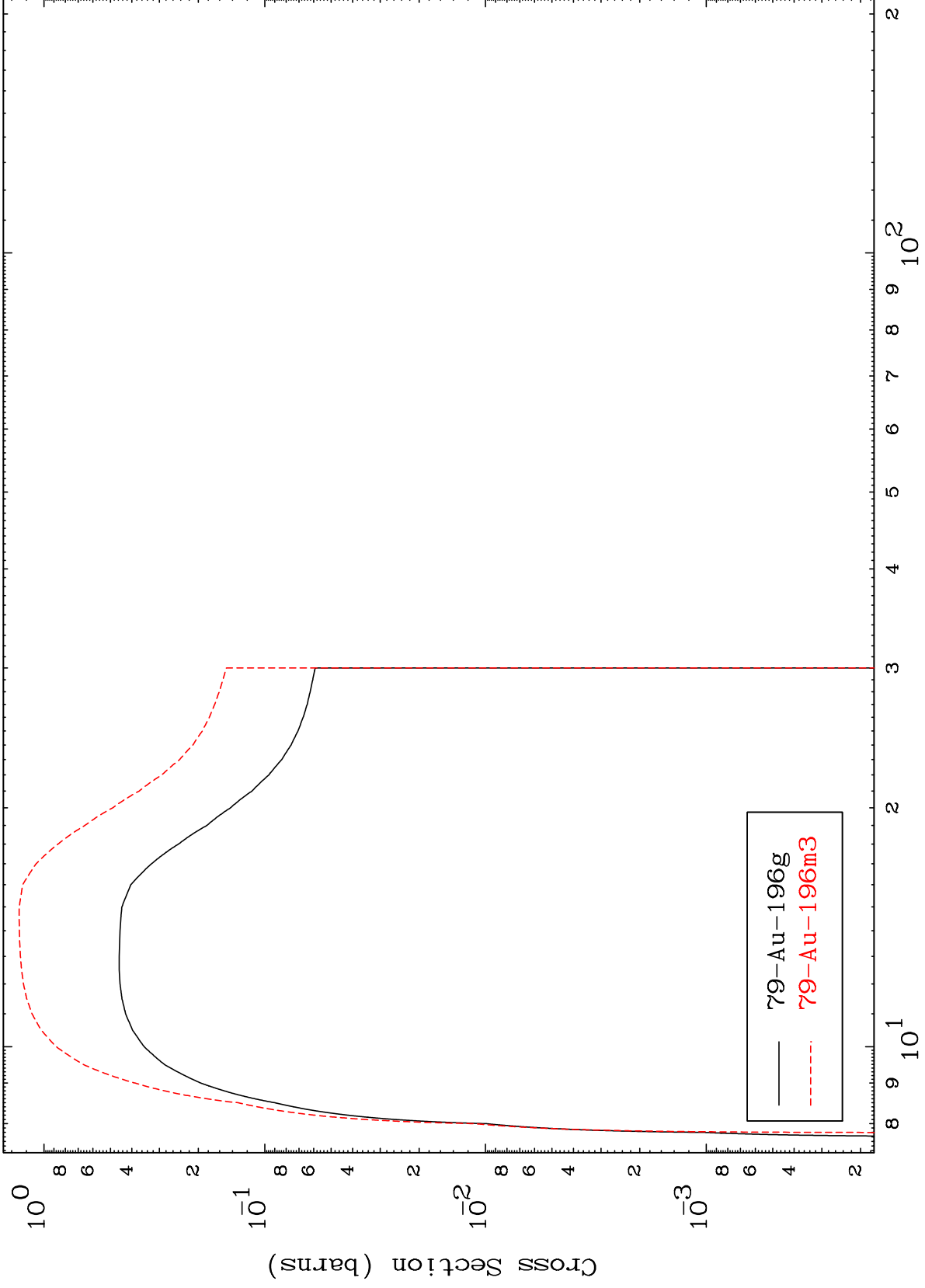
### Inelastic Radionuclide Production Cross Section



MAT 7926

<sup>79</sup>Au-197m

(n,2n)  
Radionuclide Production Cross Section



— <sup>79</sup>Au-196g  
- - - <sup>79</sup>Au-196m3

<sup>79</sup>Au-197m

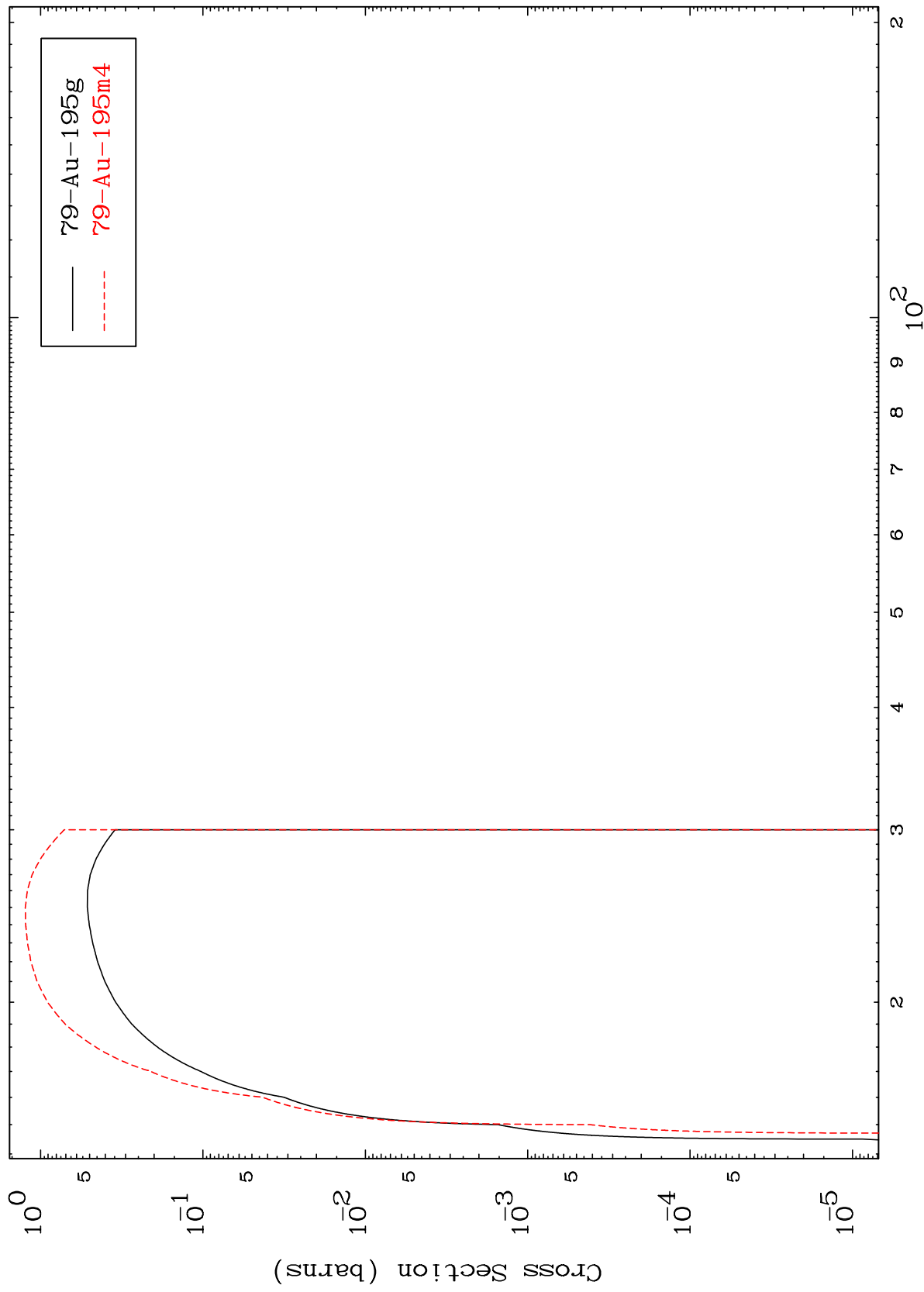
Incident Energy (MeV)

19

MAT 7926

<sup>79</sup>Au-197m

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

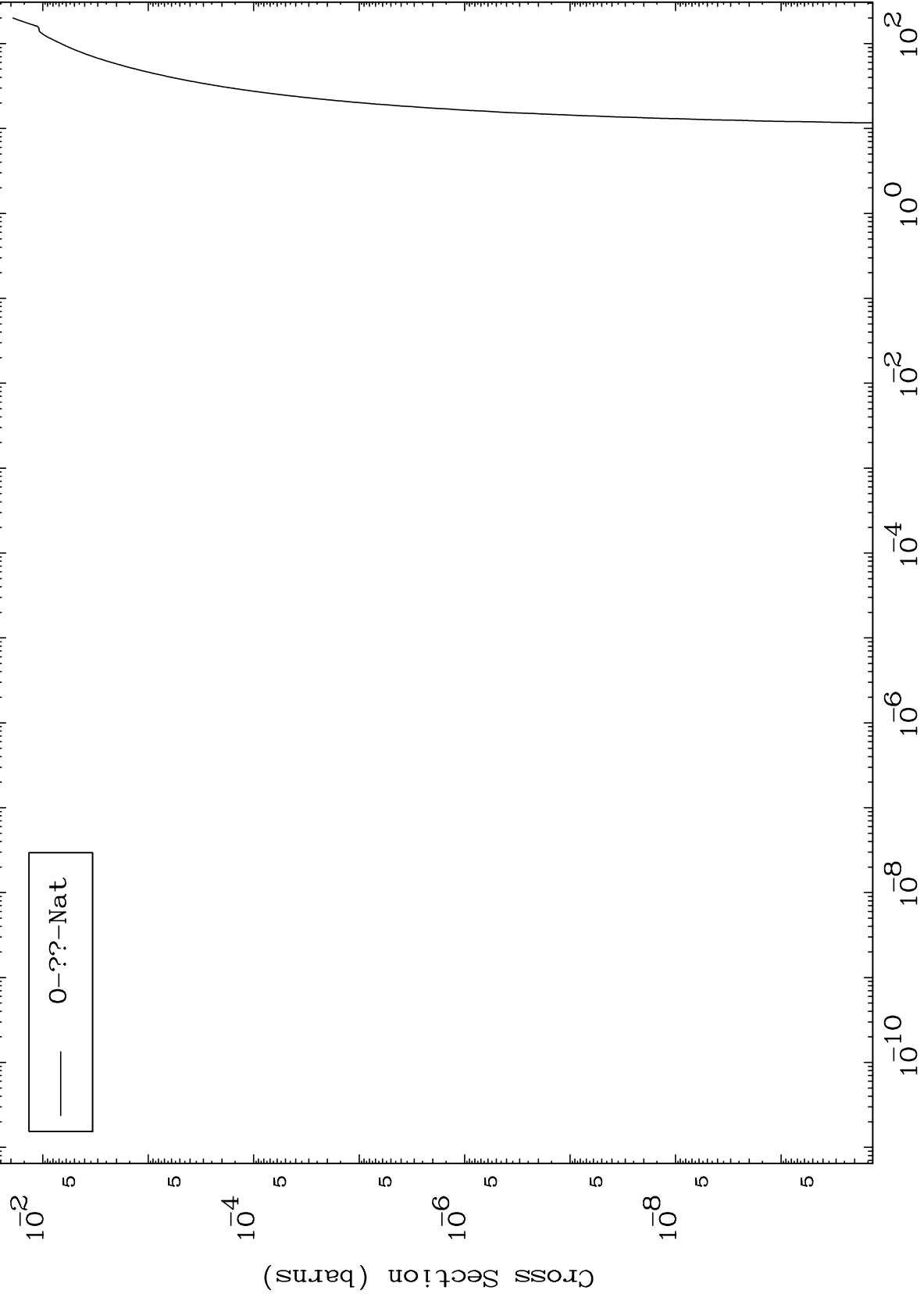
<sup>79</sup>Au-197m

MAT 7926

Fission

<sup>79</sup>Au-197m

Radionuclide Production Cross Section

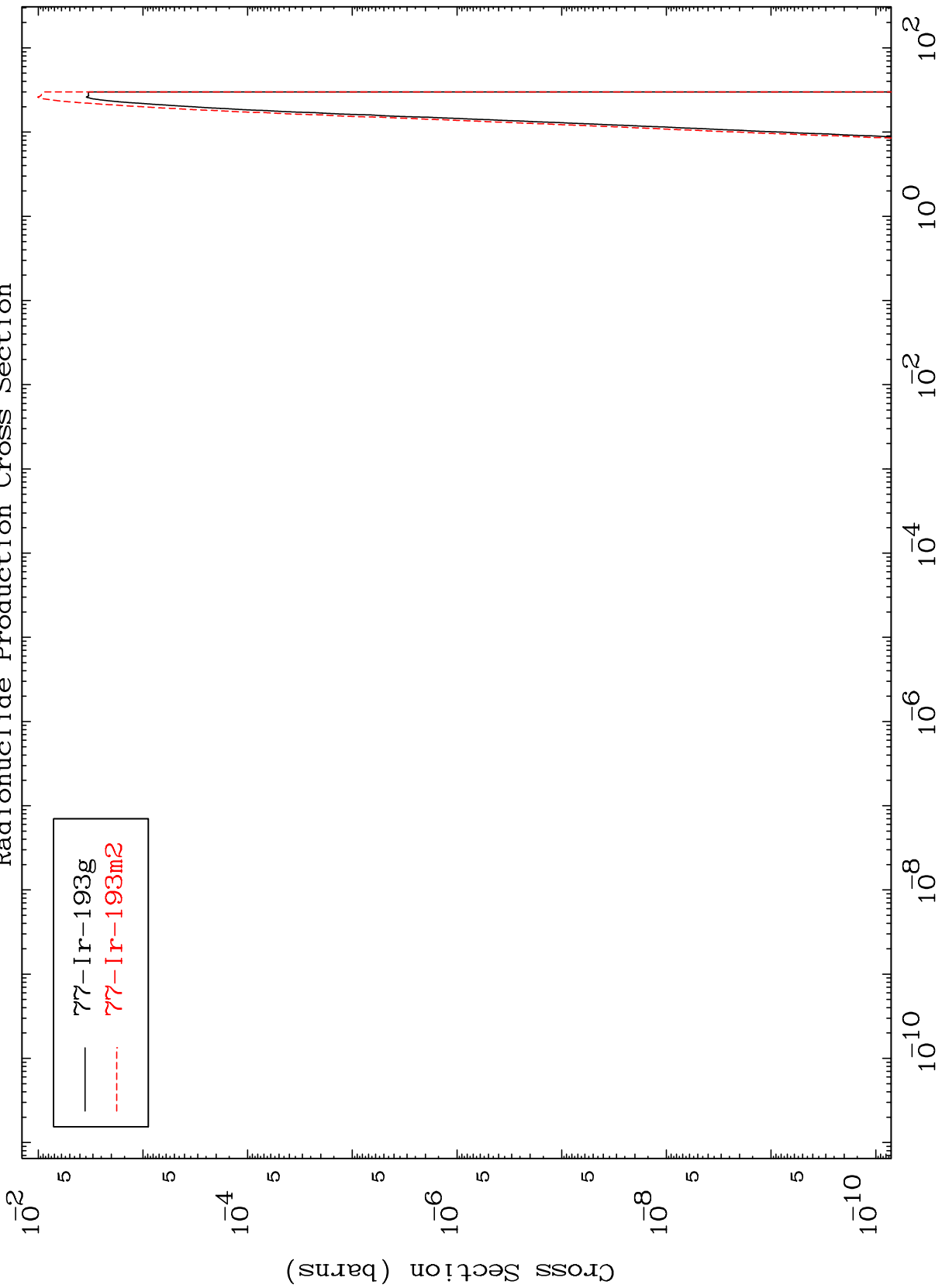


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$(n, n') \alpha$

$^{79}\text{Au}-197\text{m}$

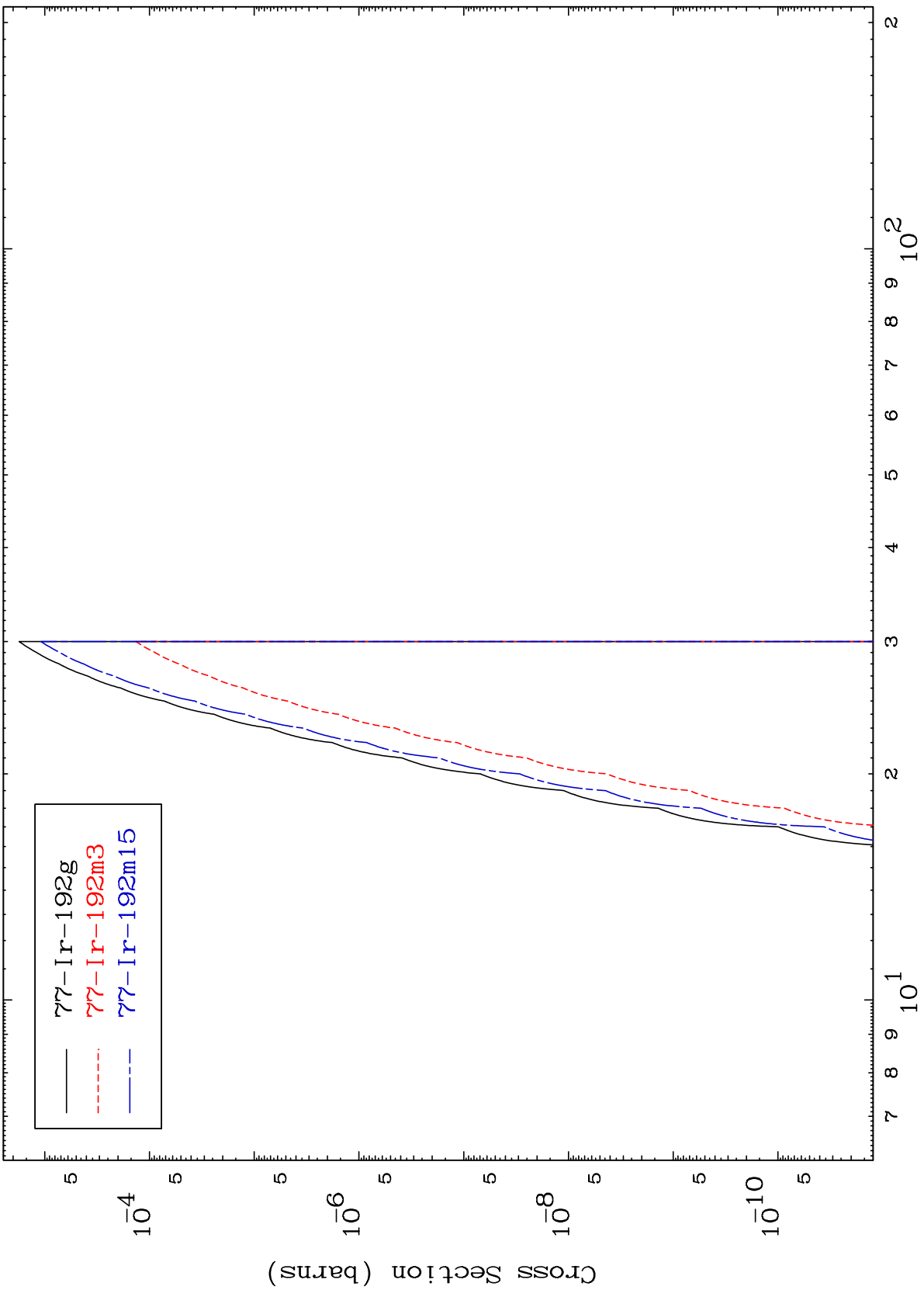
Radionuclide Production Cross Section



MAT 7926

<sup>79</sup>Au-197m

Radionuclide Production Cross Section (n,2n) α



Incident Energy (MeV)

<sup>79</sup>Au-197m

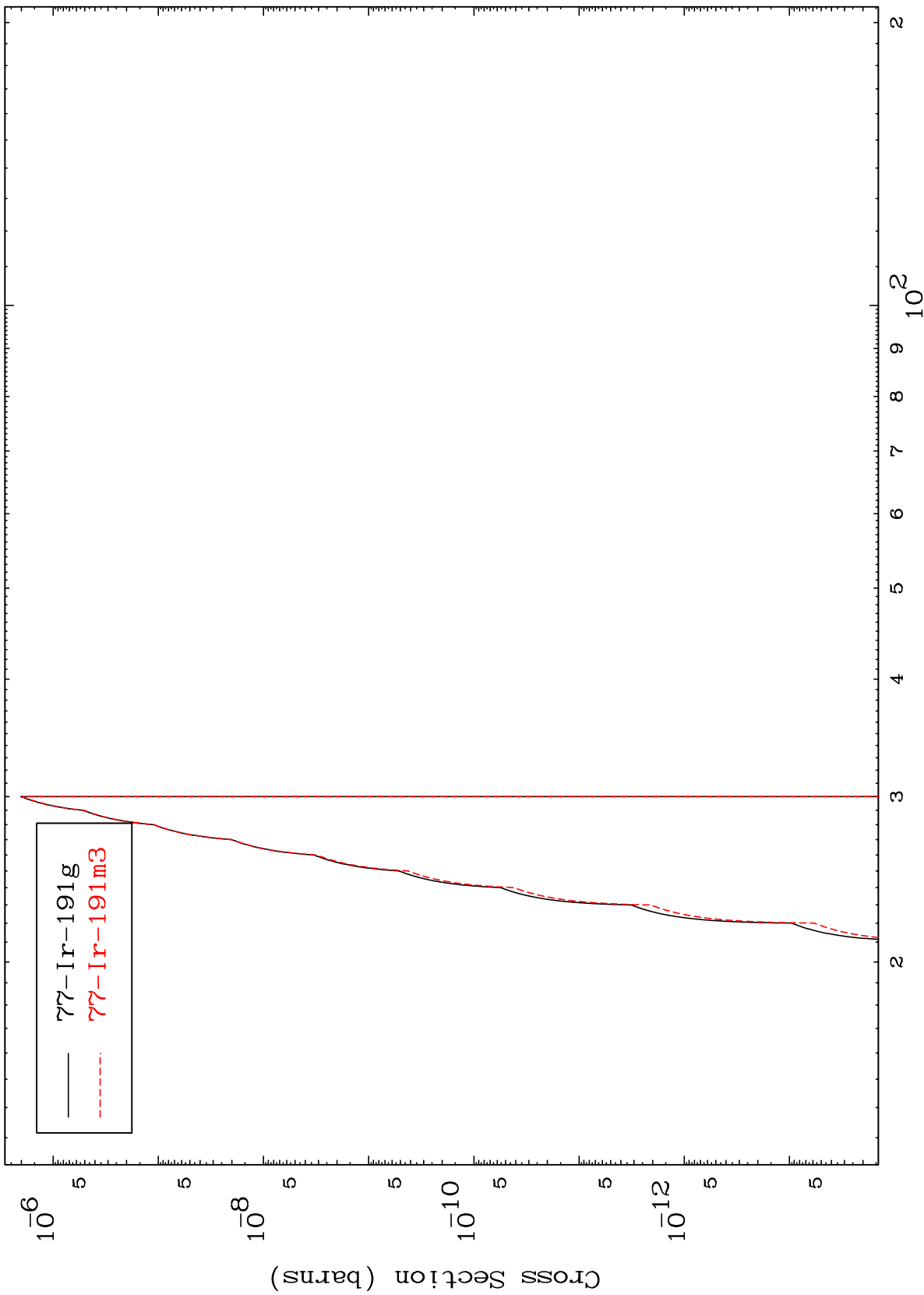


MAT 7926

(n,3n)  $\alpha$

<sup>79</sup>Au-197m

Radionuclide Production Cross Section



24

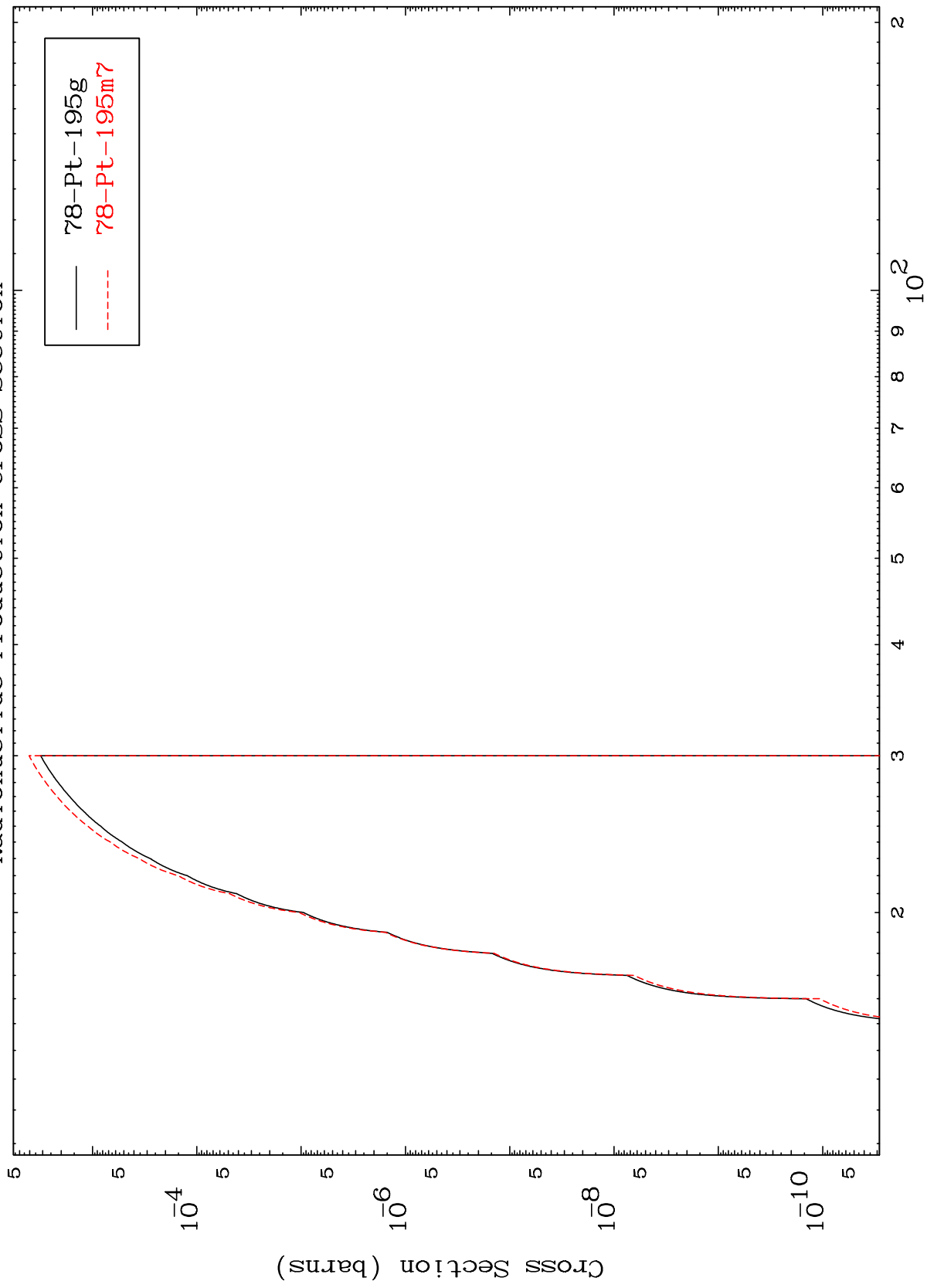
Incident Energy (MeV)

<sup>79</sup>Au-197m

MAT 7926

79-Au-197m

(n,n') d  
Radionuclide Production Cross Section



79-Au-197m

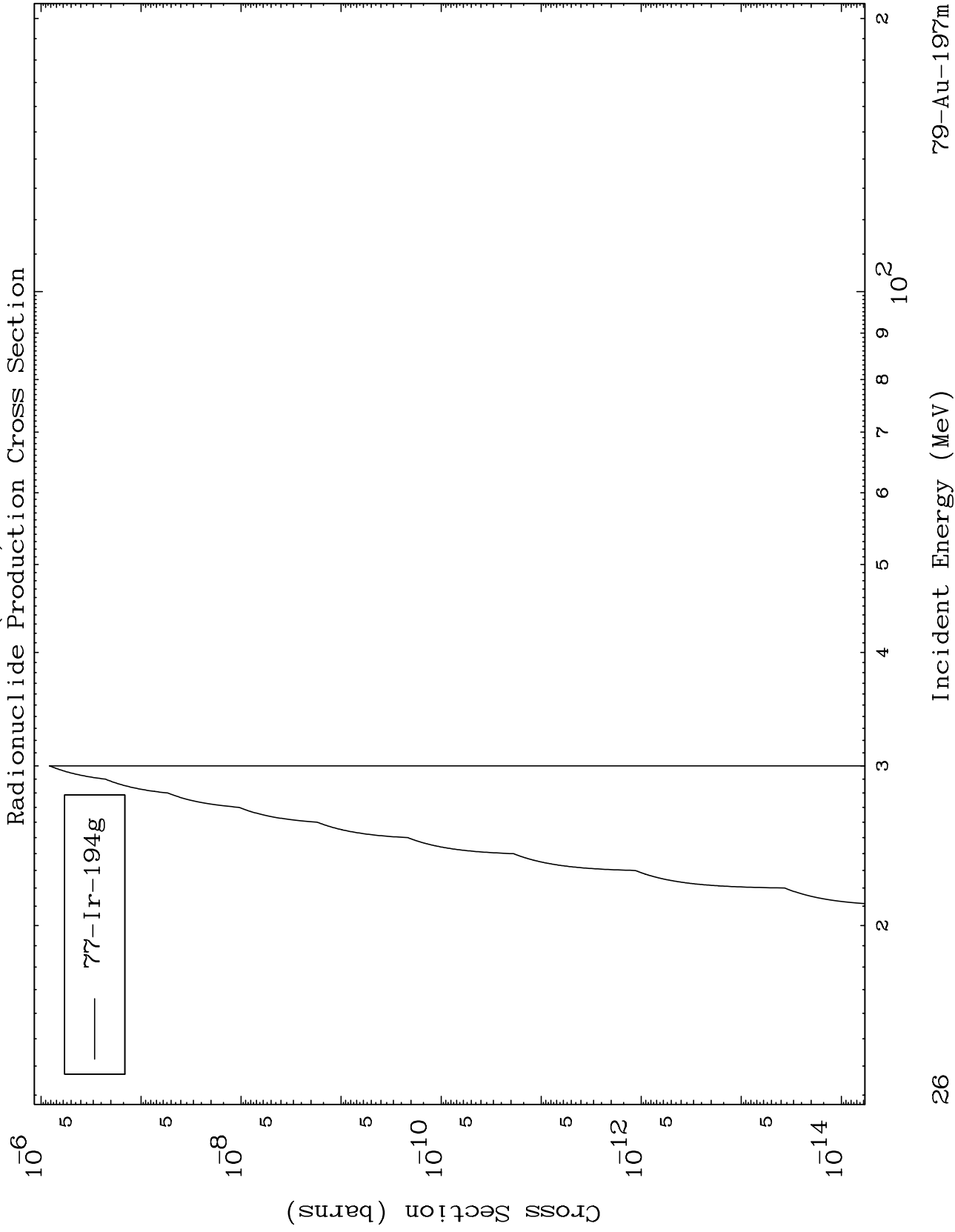
Incident Energy (MeV)

25

MAT 7926

(n,n') He-3

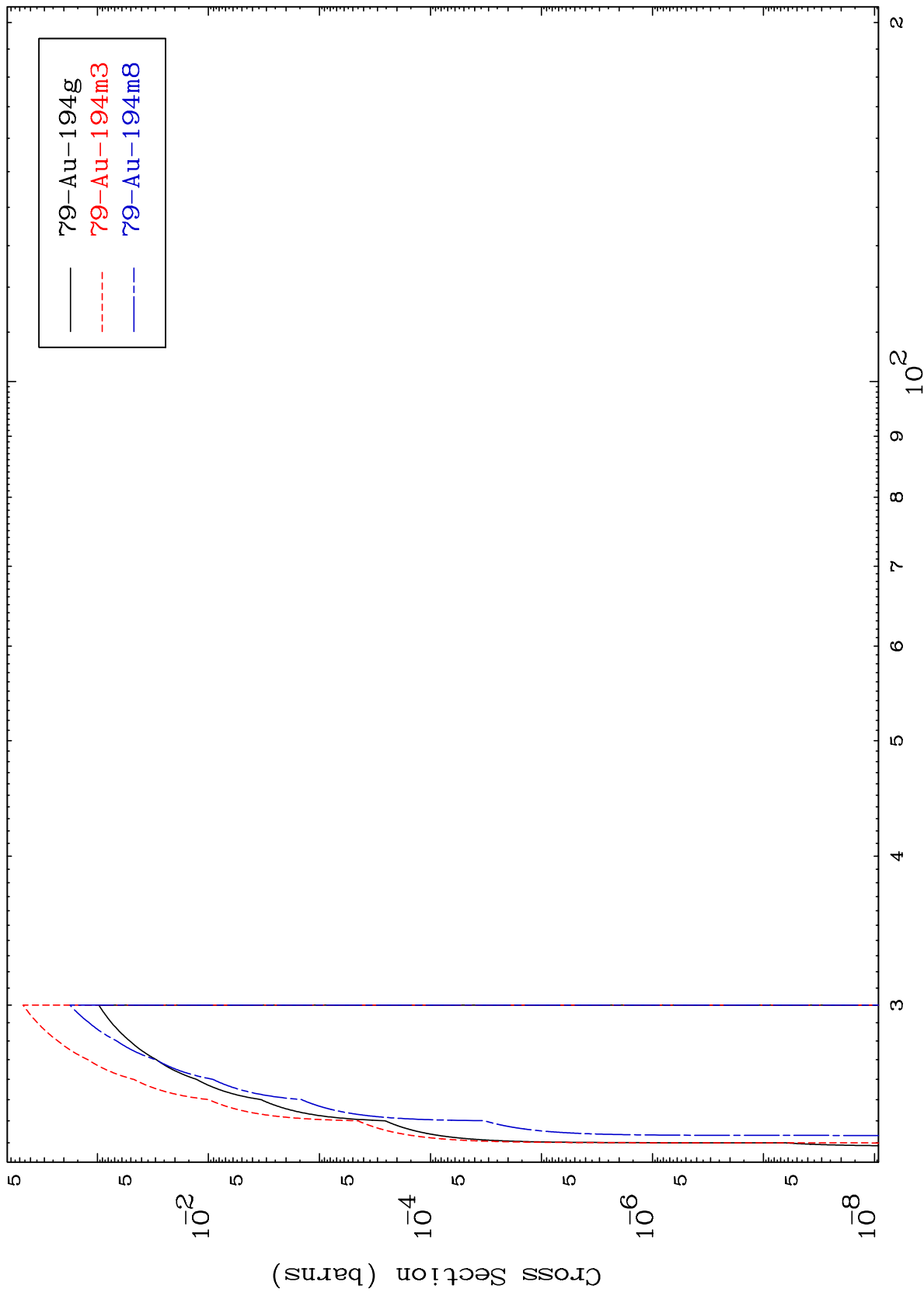
79-Au-197m



MAT 7926

<sup>79</sup>Au-197m

(n,4n)  
Radionuclide Production Cross Section



27

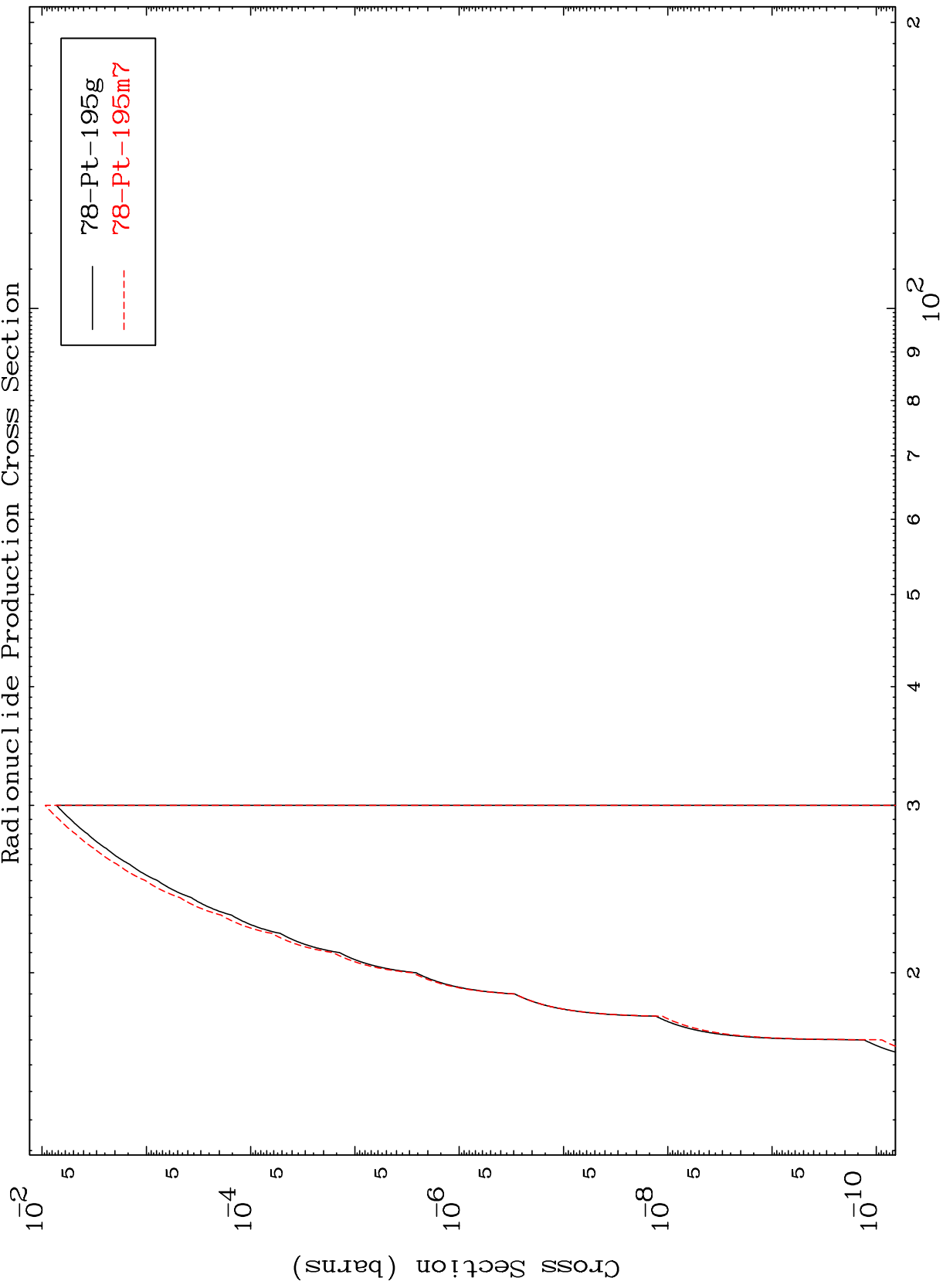
<sup>79</sup>Au-197m

Incident Energy (MeV)

MAT 7926

79-Au-197m

(n,2n) p  
Radionuclide Production Cross Section



79-Au-197m

Incident Energy (MeV)

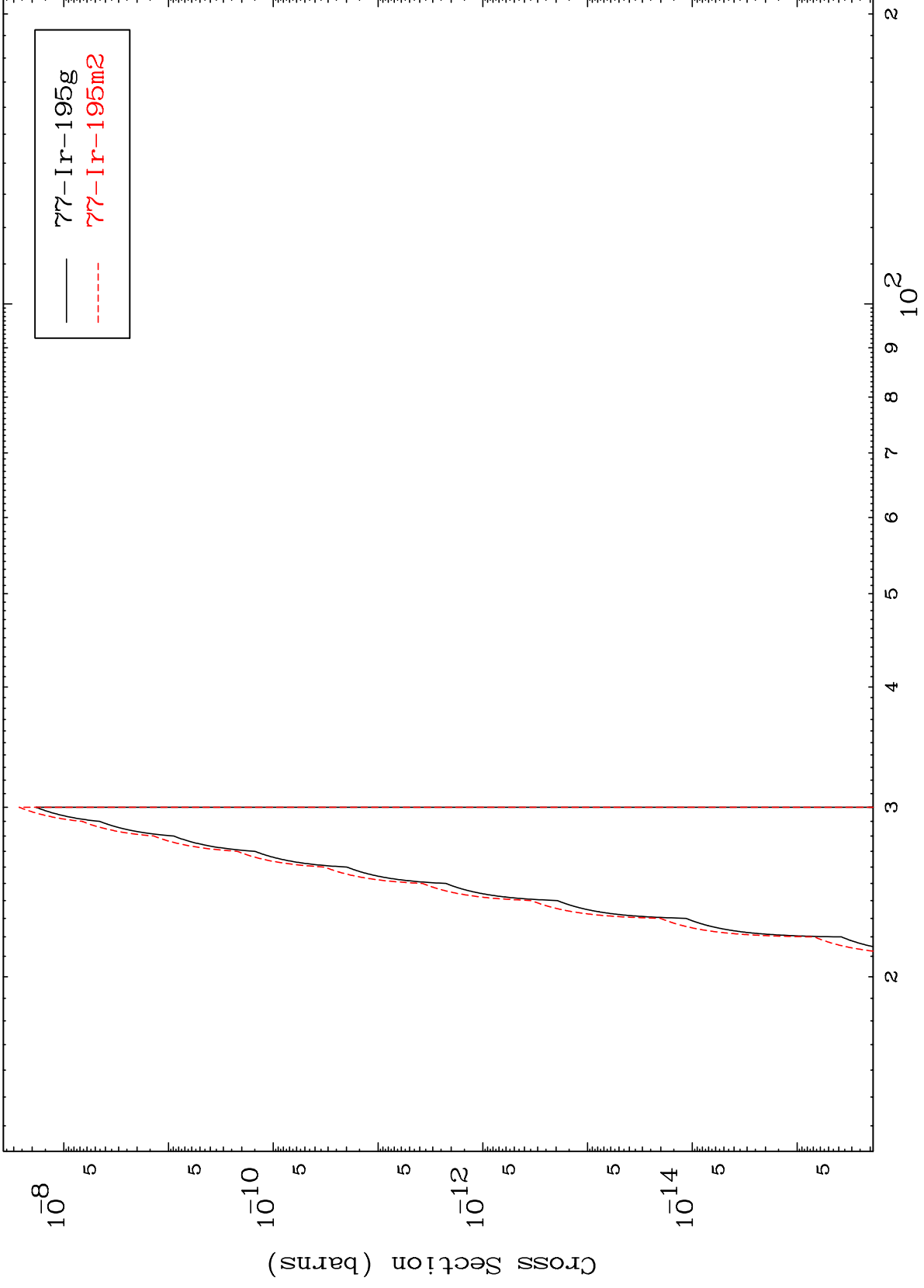
28

MAT 7926

(n,2n) p

<sup>79</sup>Au-197m

Radionuclide Production Cross Section



29

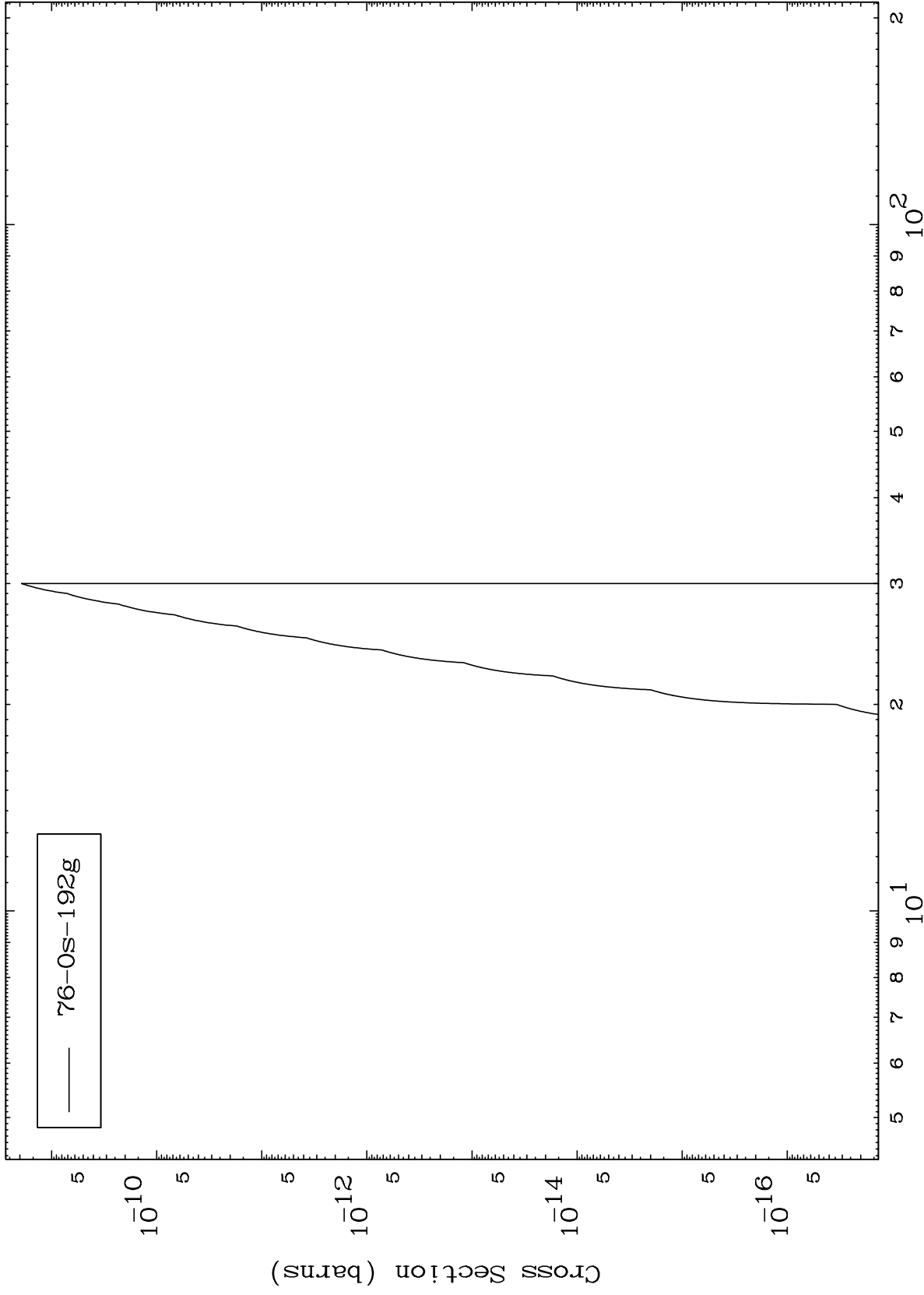
Incident Energy (MeV)

<sup>79</sup>Au-197m

MAT 7926

79-Au-197m

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



79-Au-197m

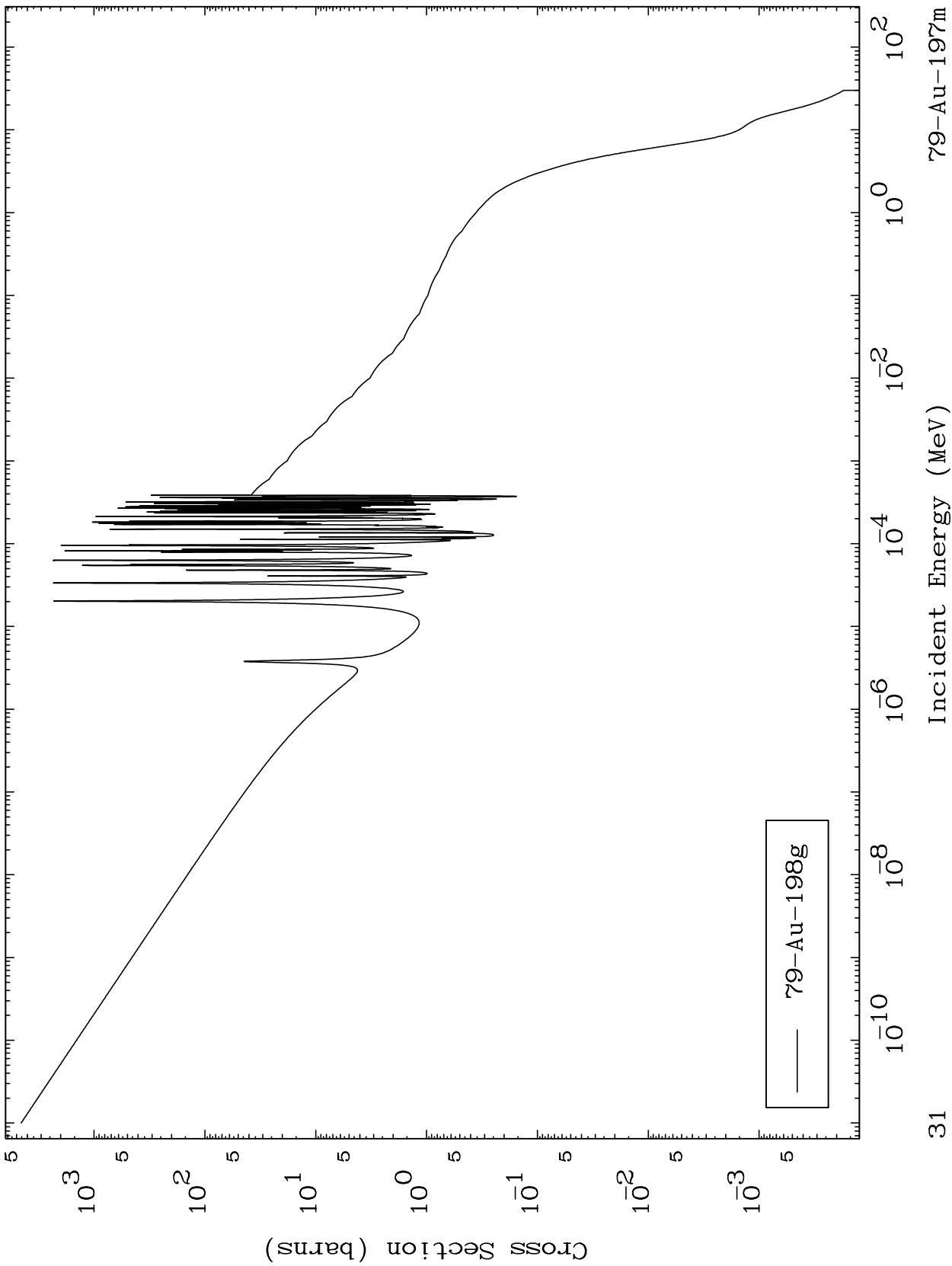
Incident Energy (MeV)

30

MAT 7926

<sup>79</sup>Au-197m

(n,γ)  
Radionuclide Production Cross Section



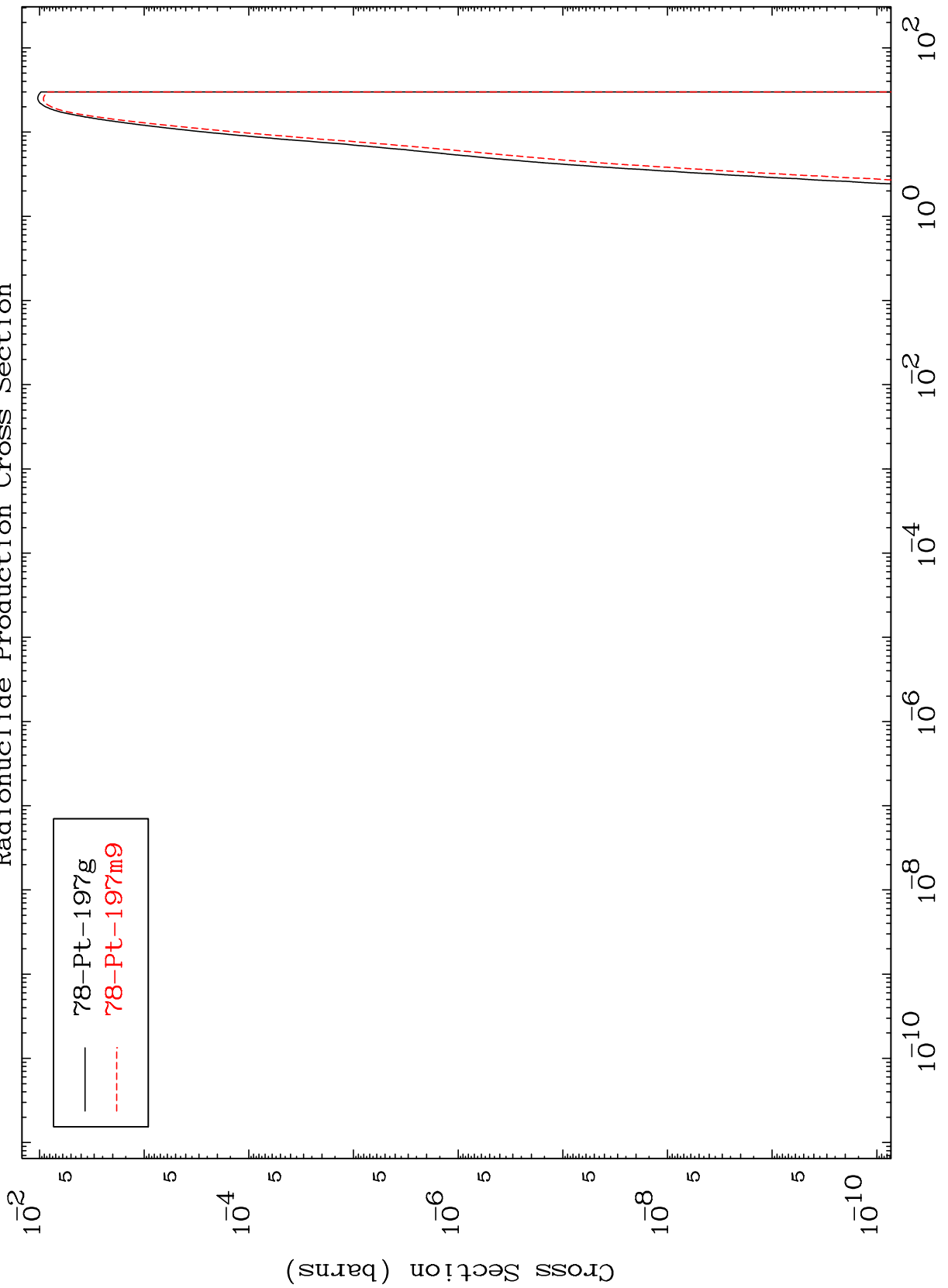


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(n,p)

<sup>79</sup>Au-197m

Radionuclide Production Cross Section



— 78-Pt-197g  
- - - 78-Pt-197m9

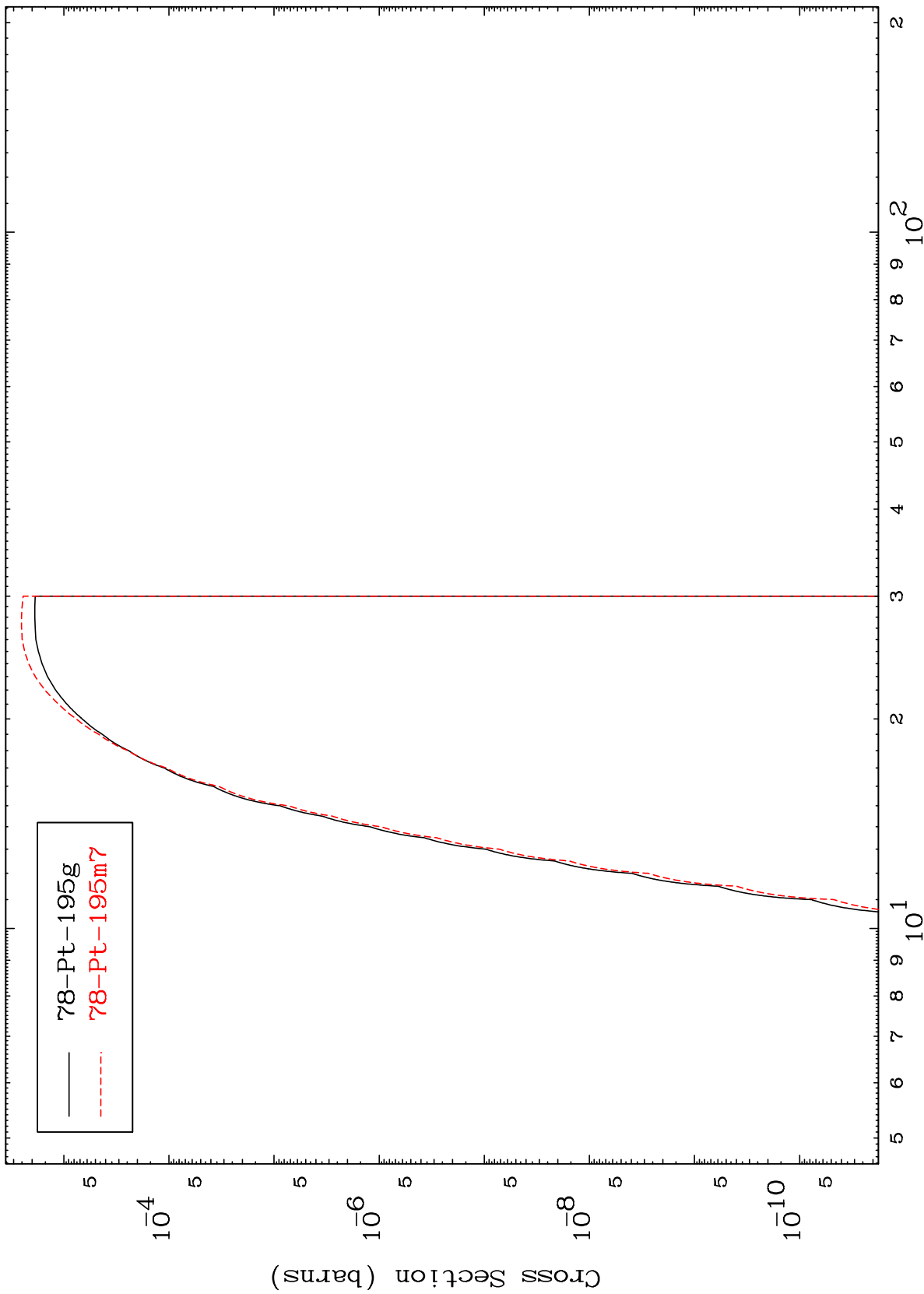
Incident Energy (MeV)

<sup>79</sup>Au-197m

MAT 7926

79-Au-197m

(n, t)  
Radionuclide Production Cross Section



Incident Energy (MeV)

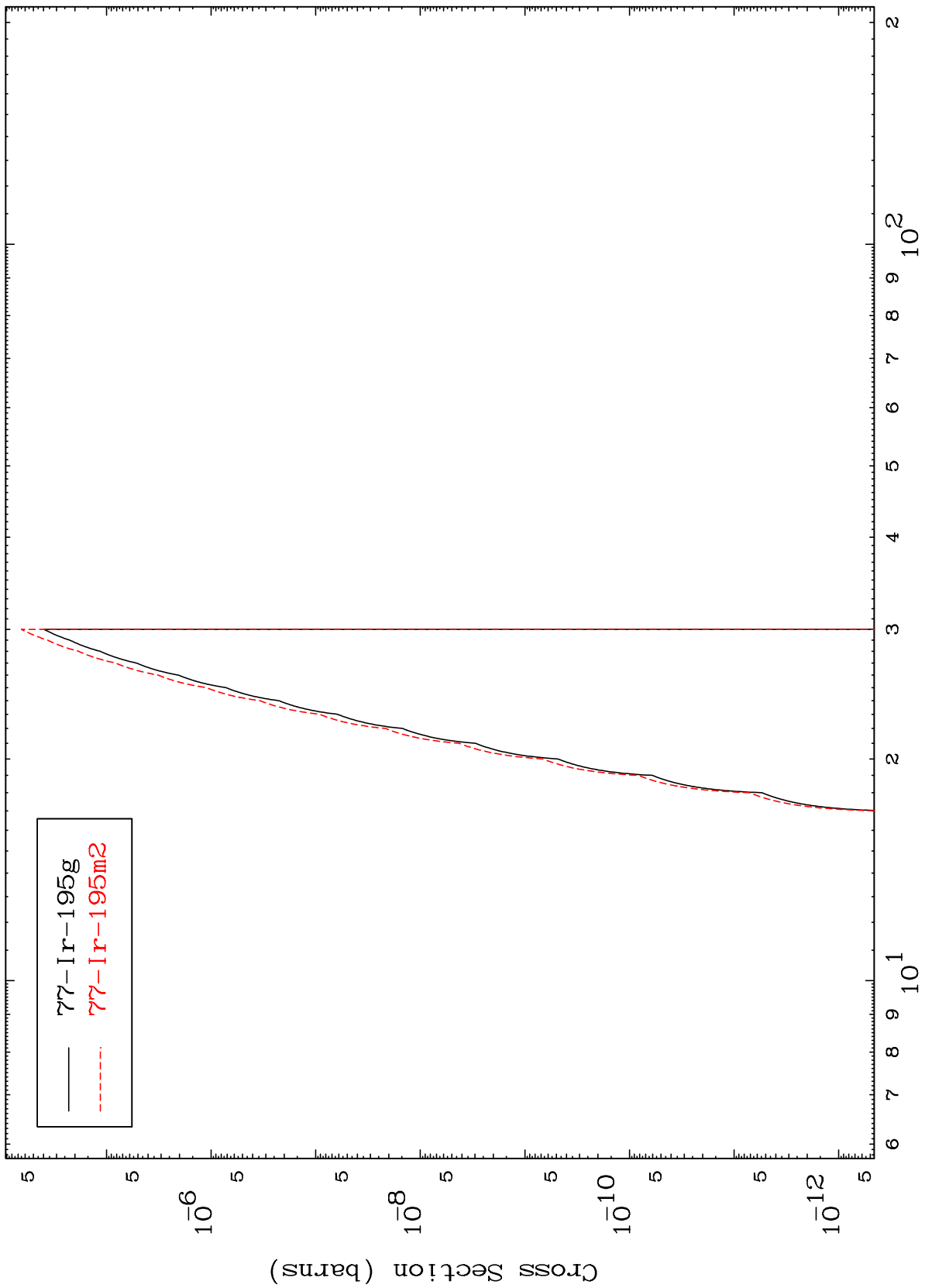
79-Au-197m

33

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79-Au-197m

(n,He-3)  
Radionuclide Production Cross Section



34

Incident Energy (MeV)

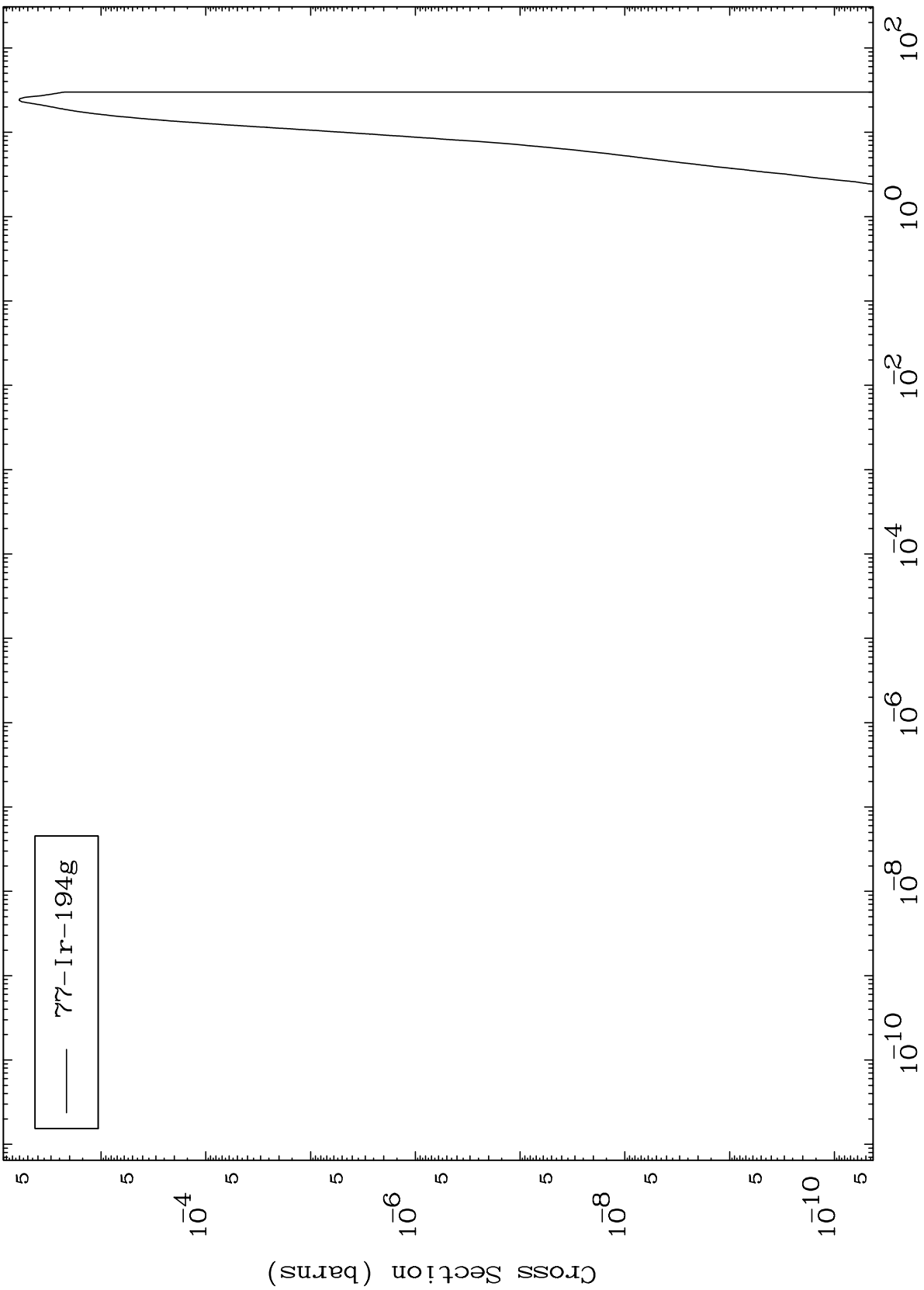
79-Au-197m

MAT 7926

(n,  $\alpha$ )

<sup>79</sup>Au-197m

Radionuclide Production Cross Section



— <sup>77</sup>Ir-194g

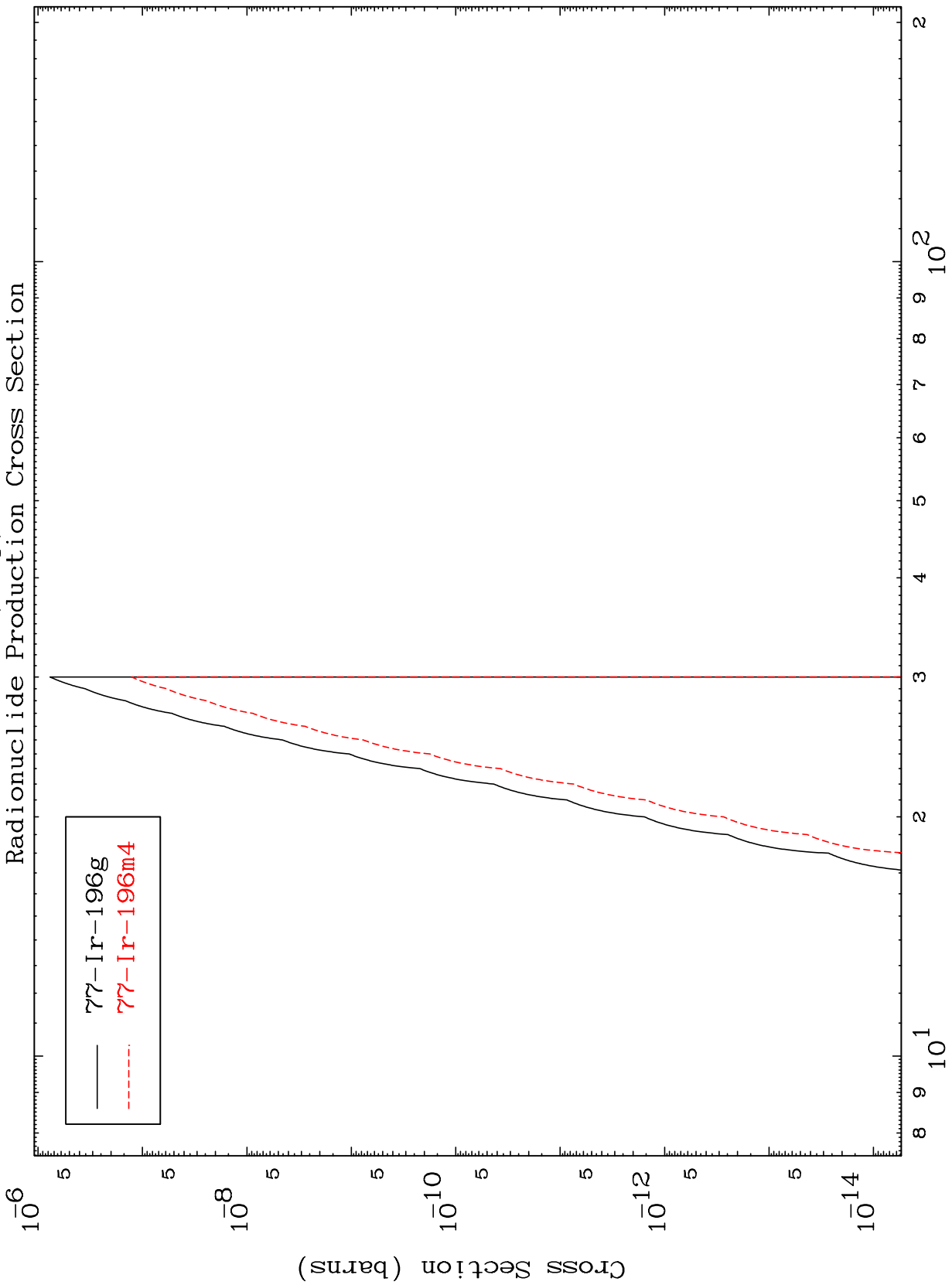
Incident Energy (MeV)

<sup>79</sup>Au-197m

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79-Au-197m

Radionuclide Production Cross Section  
(n,2p)



— <sup>77</sup>Ir-196g  
- - - <sup>77</sup>Ir-196m4

79-Au-197m

Incident Energy (MeV)

36