

Program EVALPLOT  
(Version 2021-1)

by

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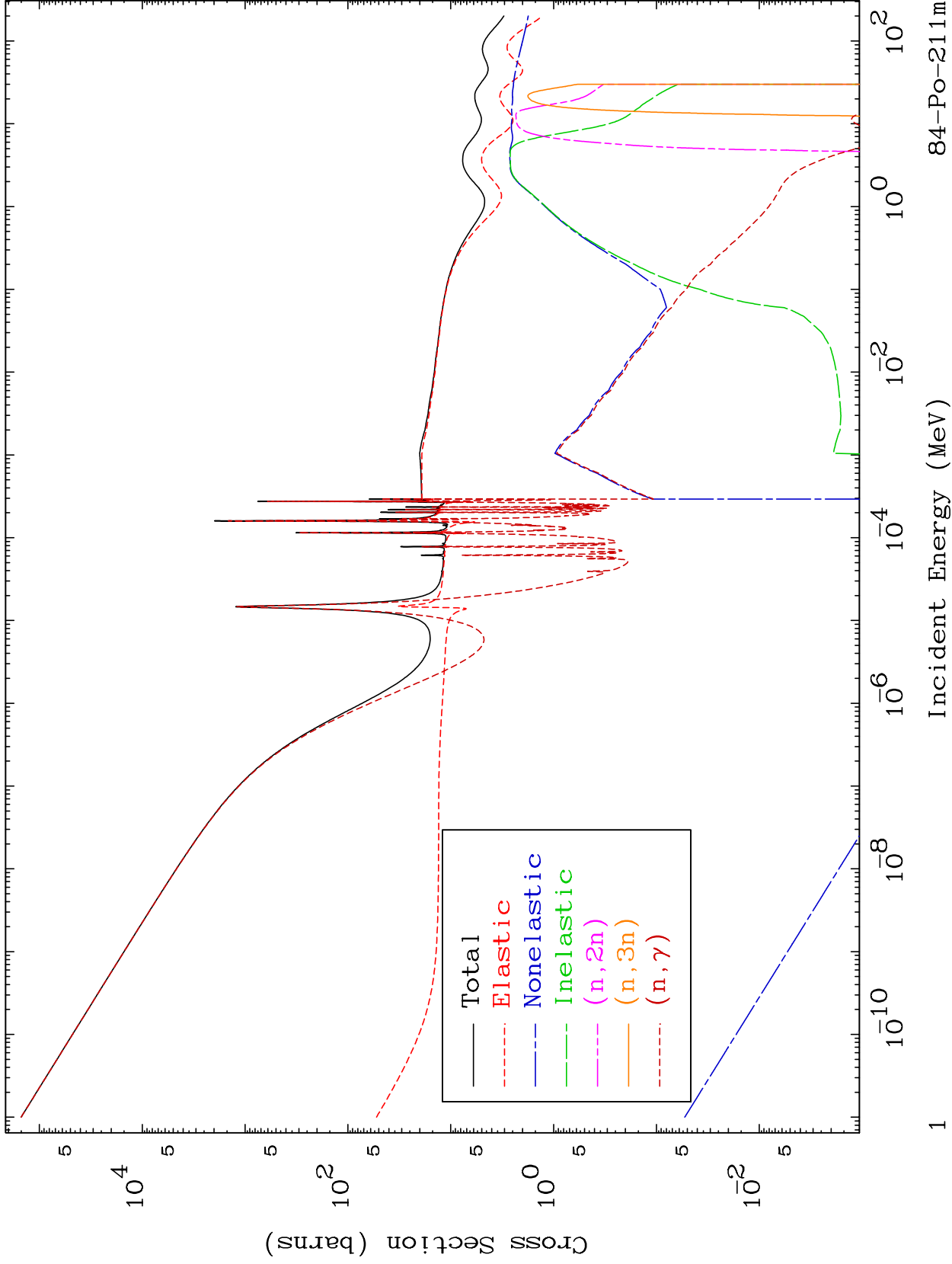
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8441

Neutron Major  
293 Kelvin Cross Sections

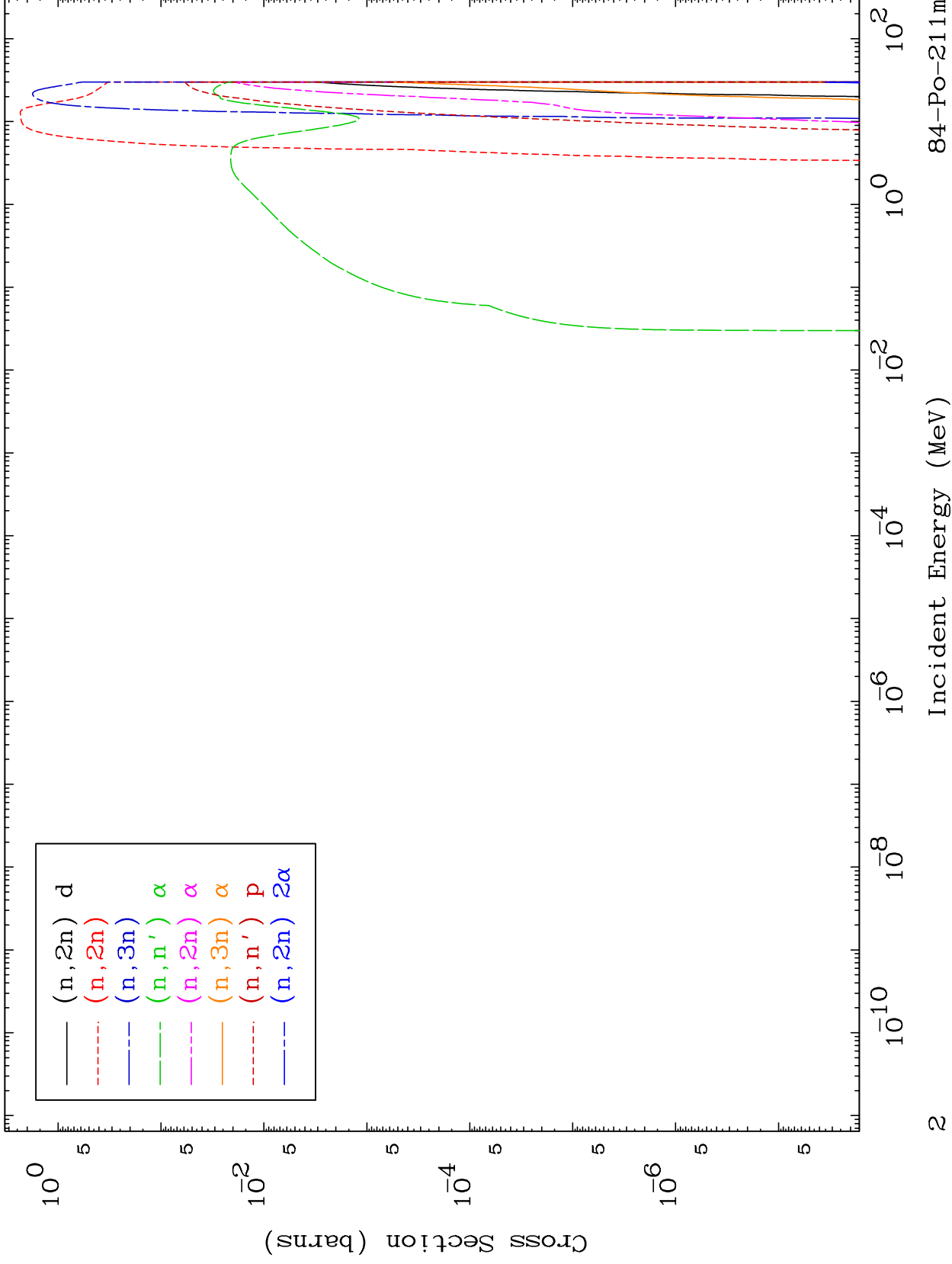
84-Po-211m



MAT 8441

Neutron Absorption  
293 Kelvin Cross Sections

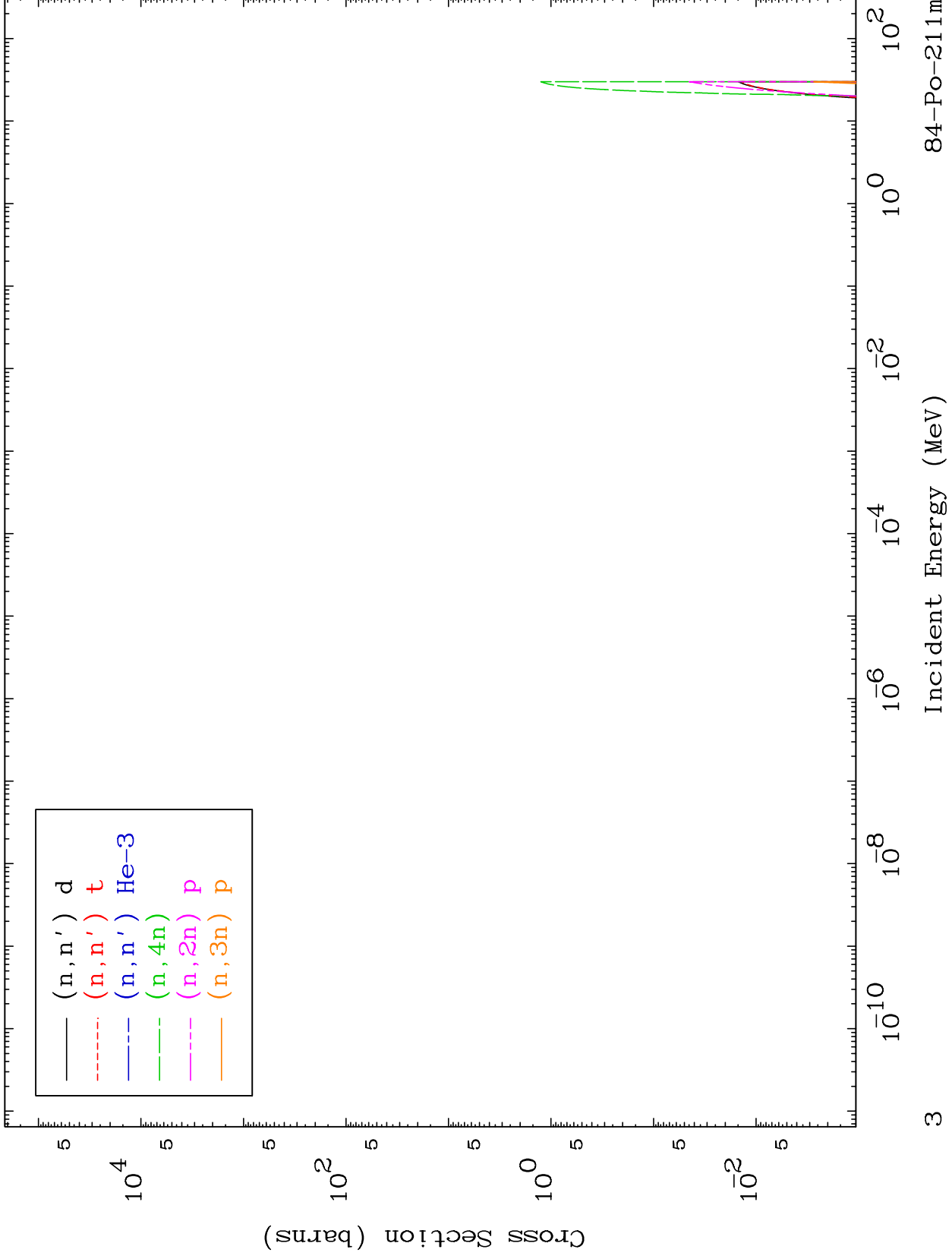
84-Po-211m



MAT 8441

Neutron Absorption  
293 Kelvin Cross Sections

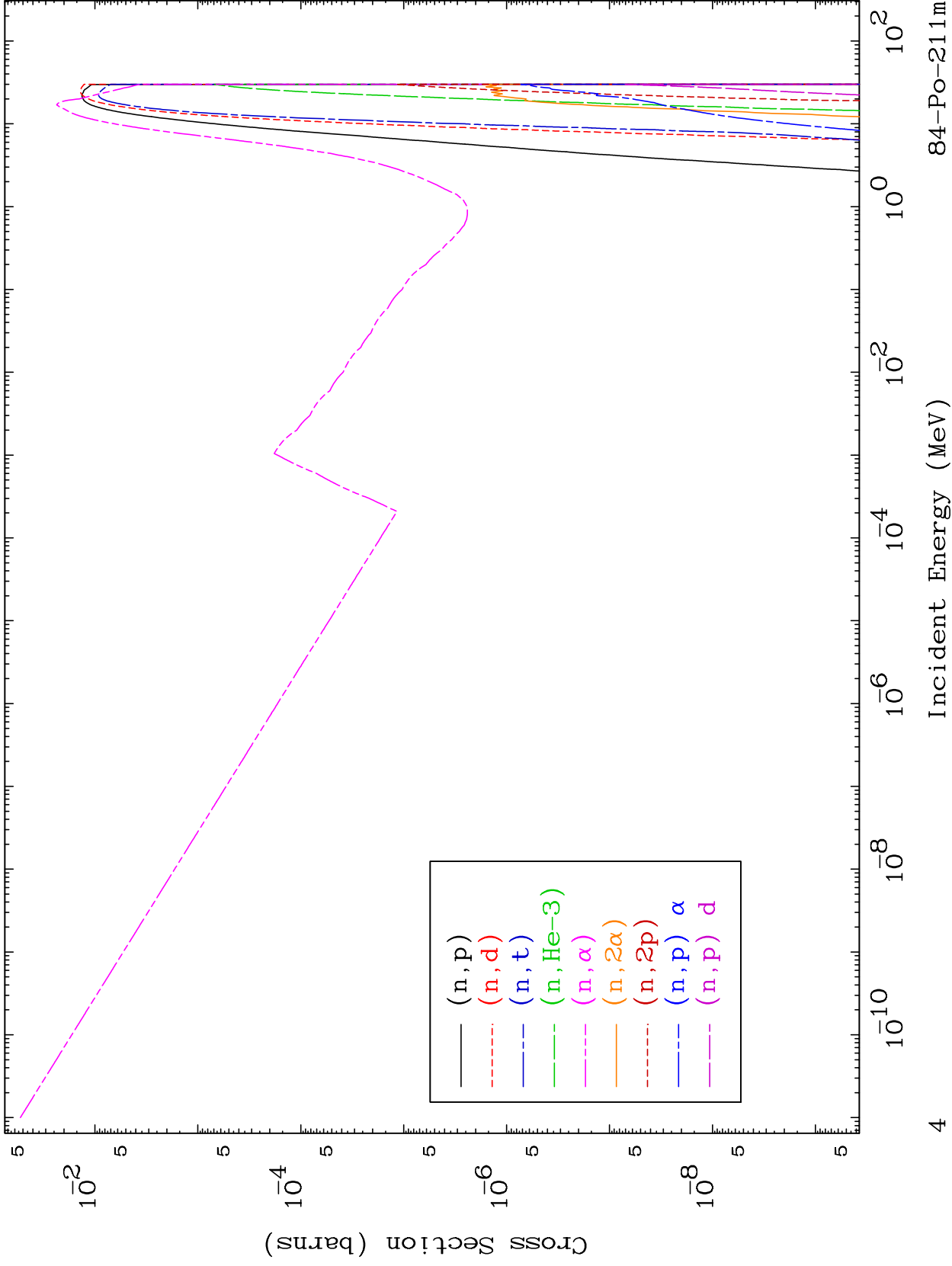
84-Po-211m

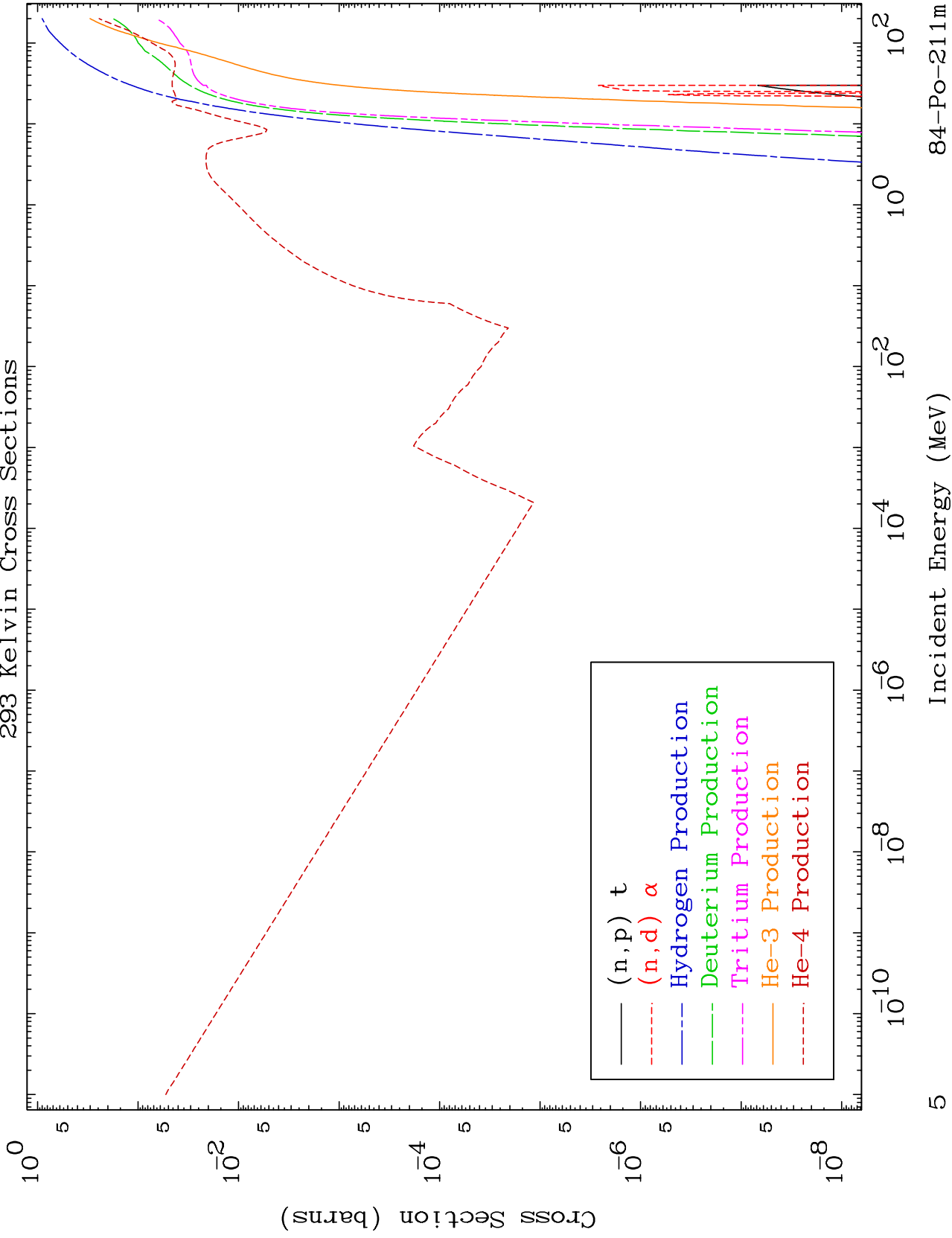


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Neutron Absorption  
293 Kelvin Cross Sections

84-Po-211m

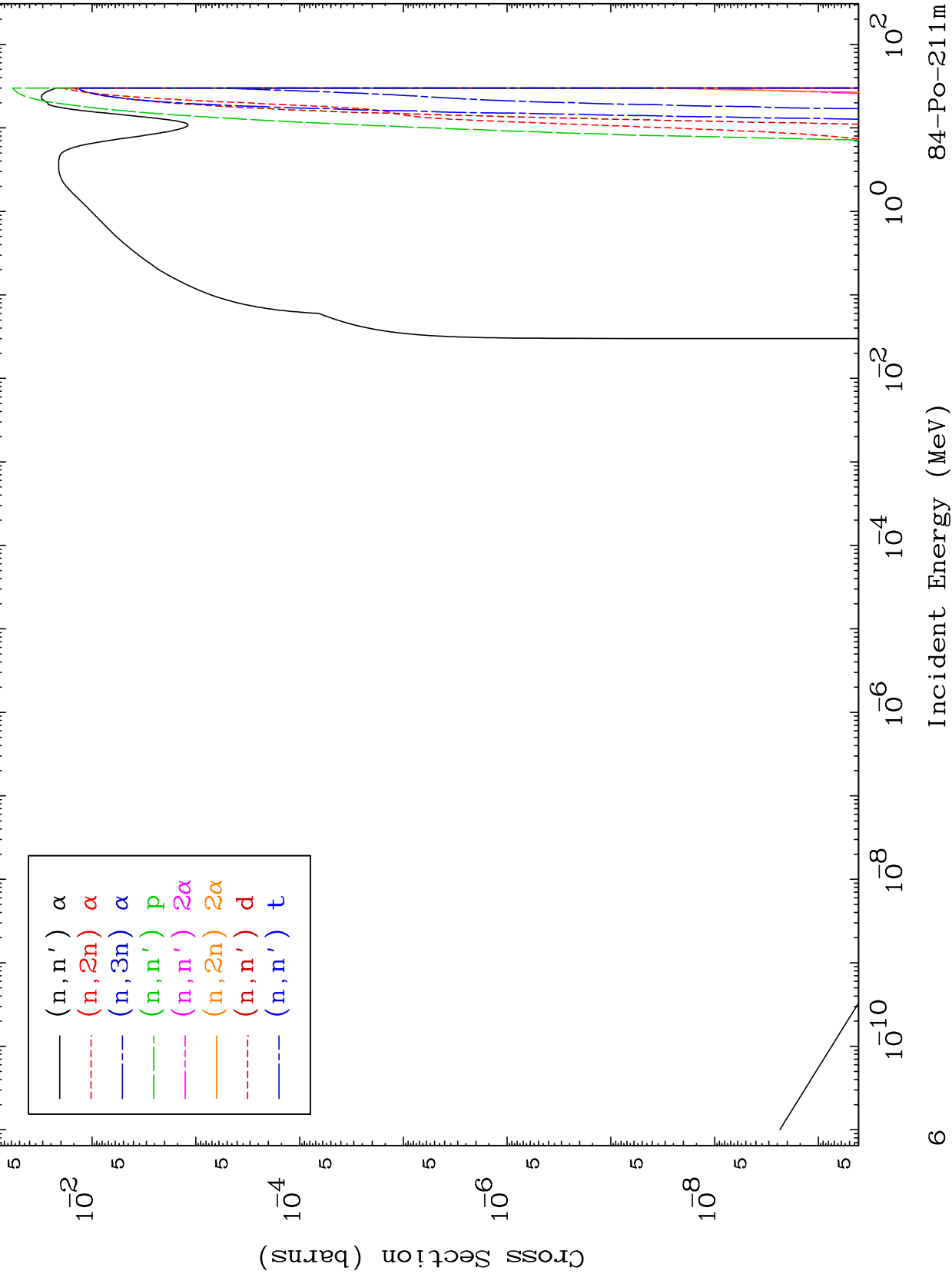




MAT 8441

Charged Particle  
293 Kelvin Cross Sections

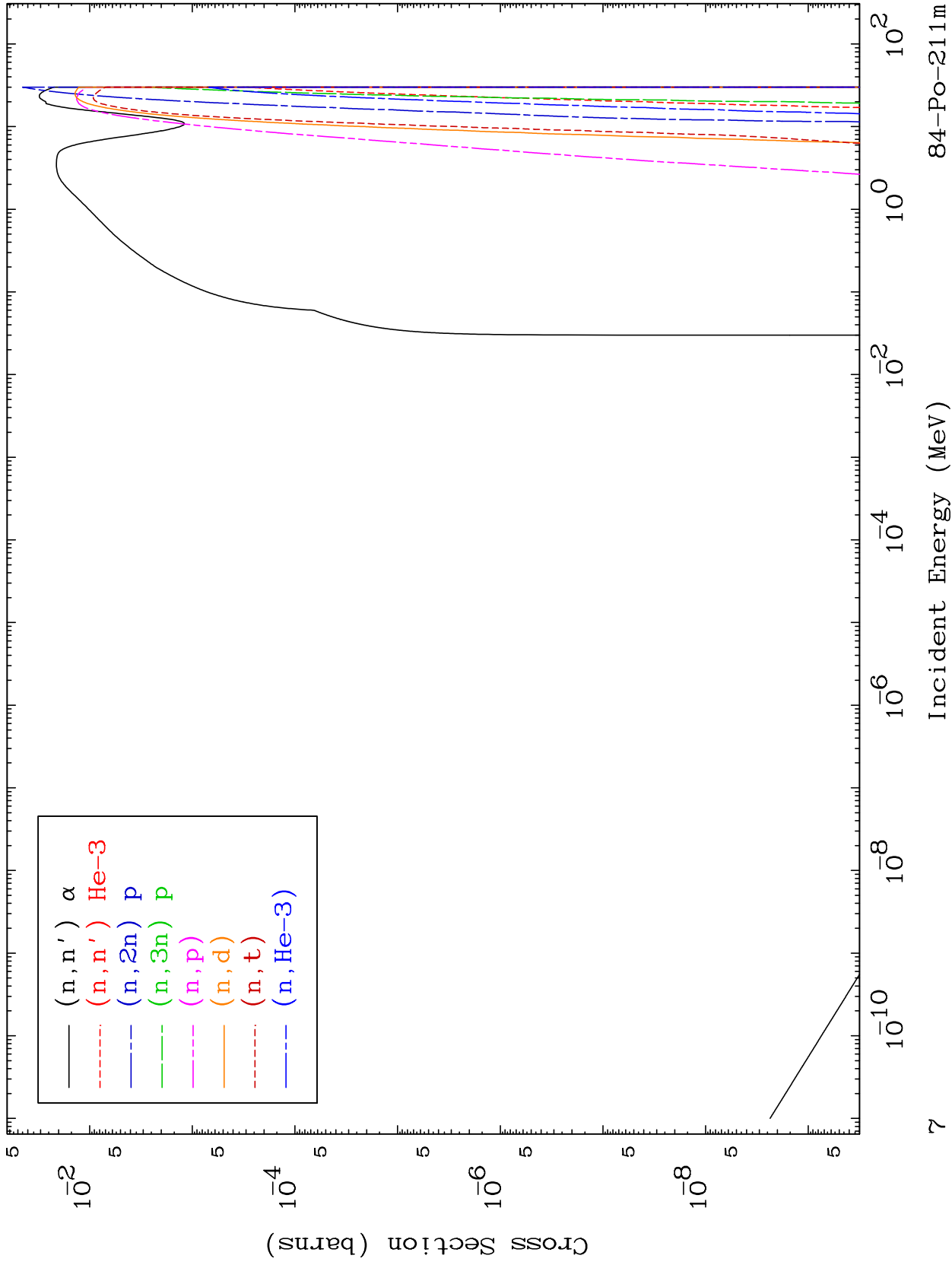
84-Po-211m



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Charged Particle  
293 Kelvin Cross Sections

84-Po-211m

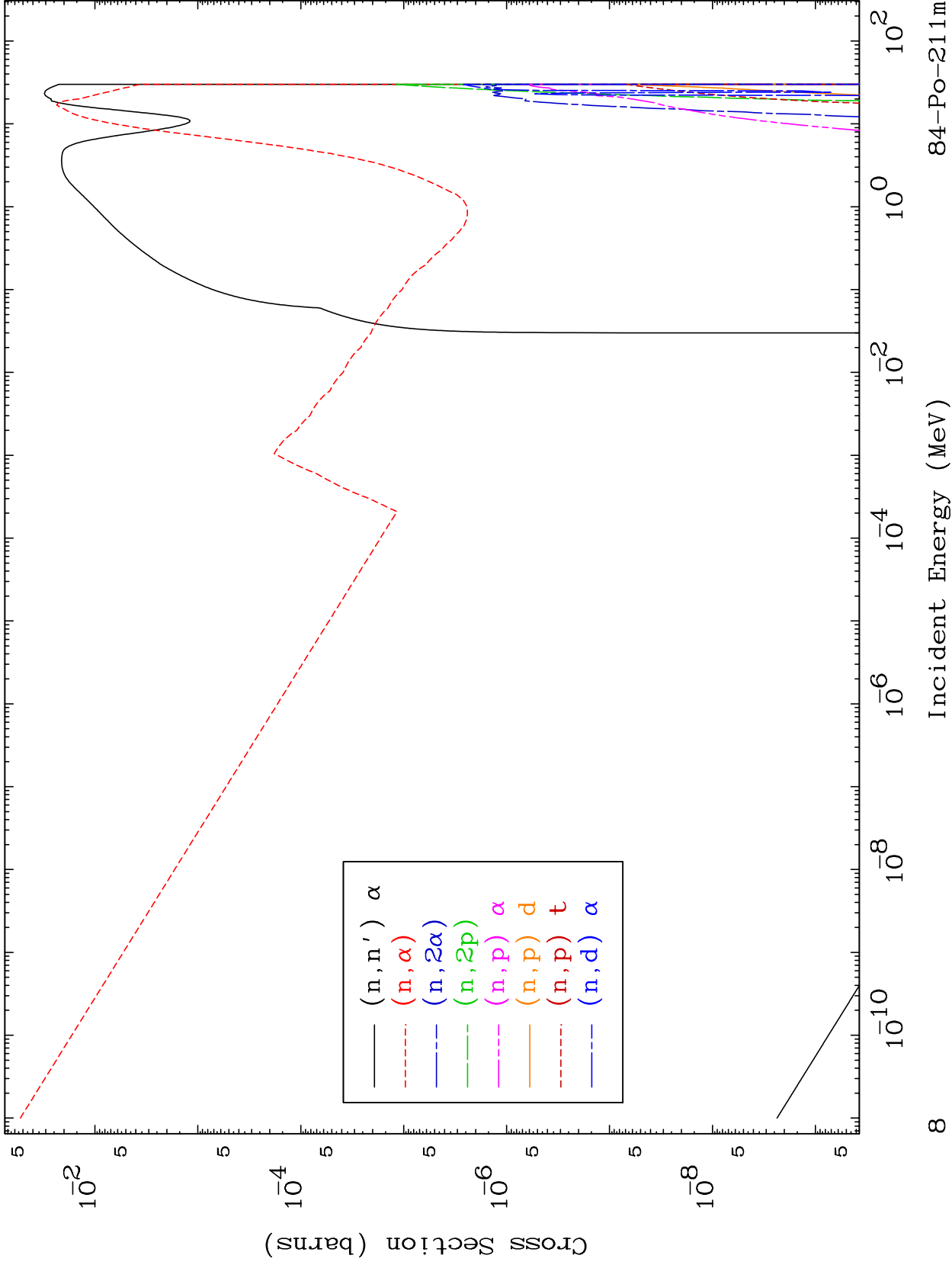




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Charged Particle  
293 Kelvin Cross Sections

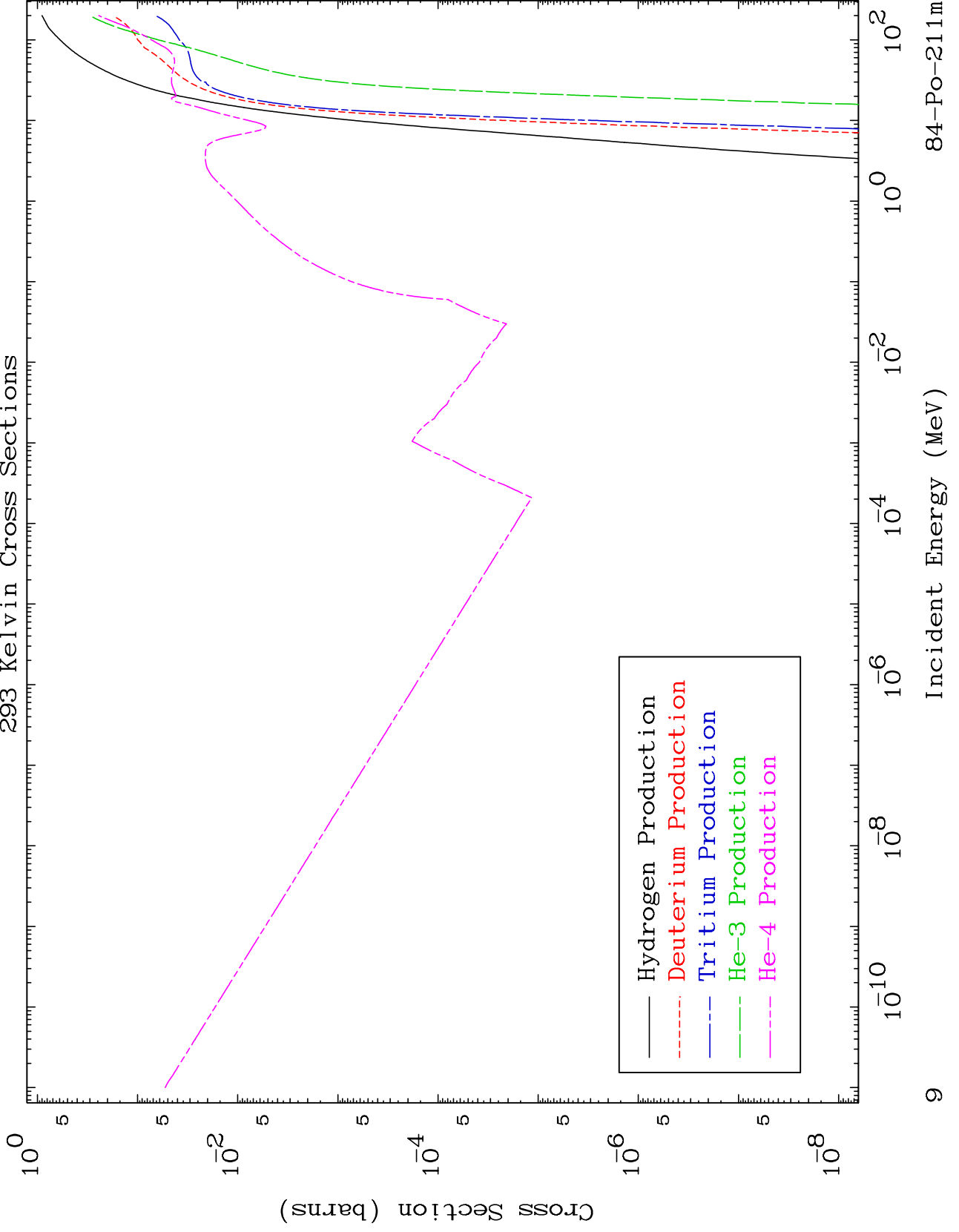
84-Po-211m



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Particle Production  
293 Kelvin Cross Sections

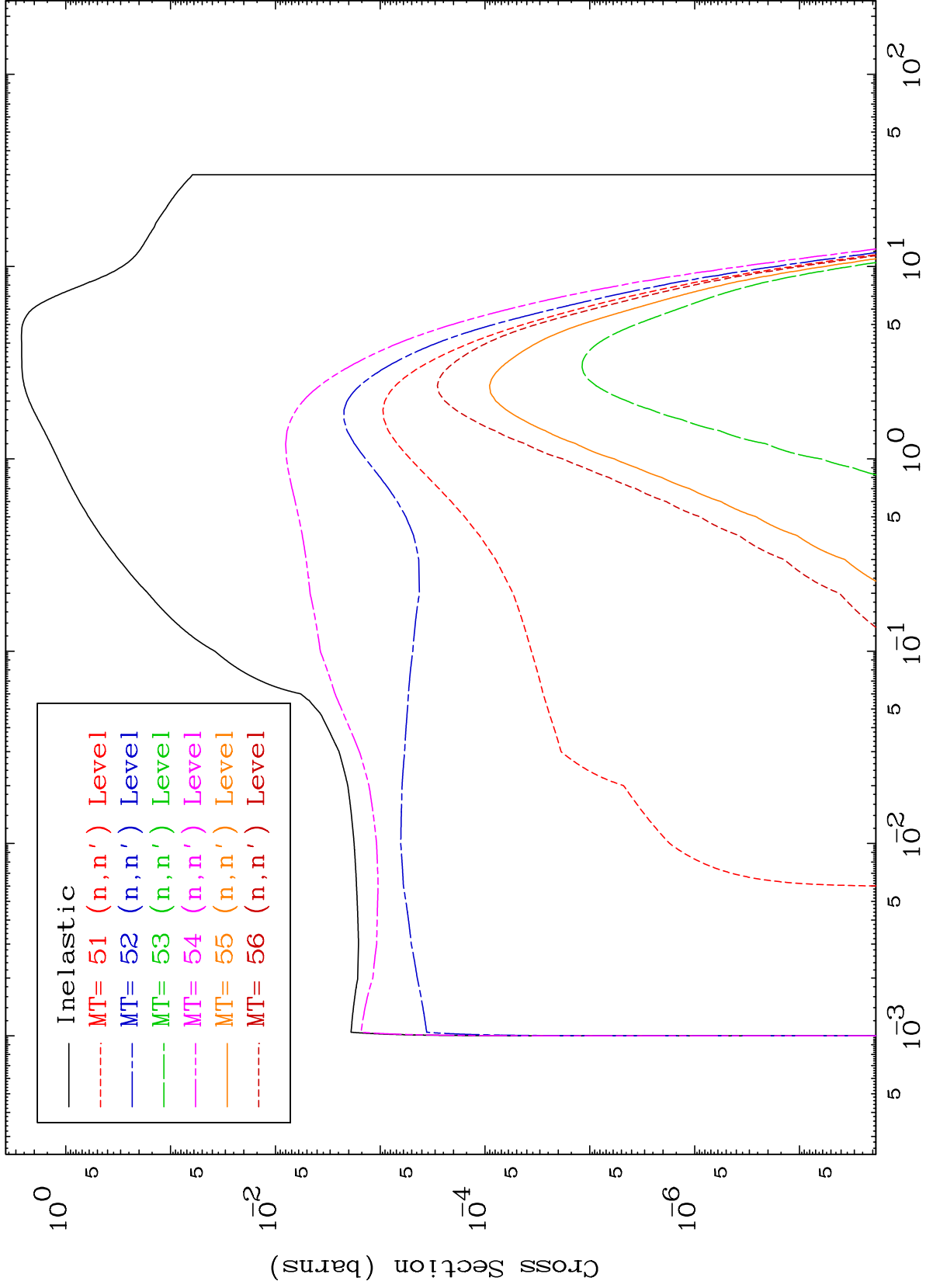
84-Po-211m



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(n,n') Levels  
293 Kelvin Cross Sections

84-Po-211m



10

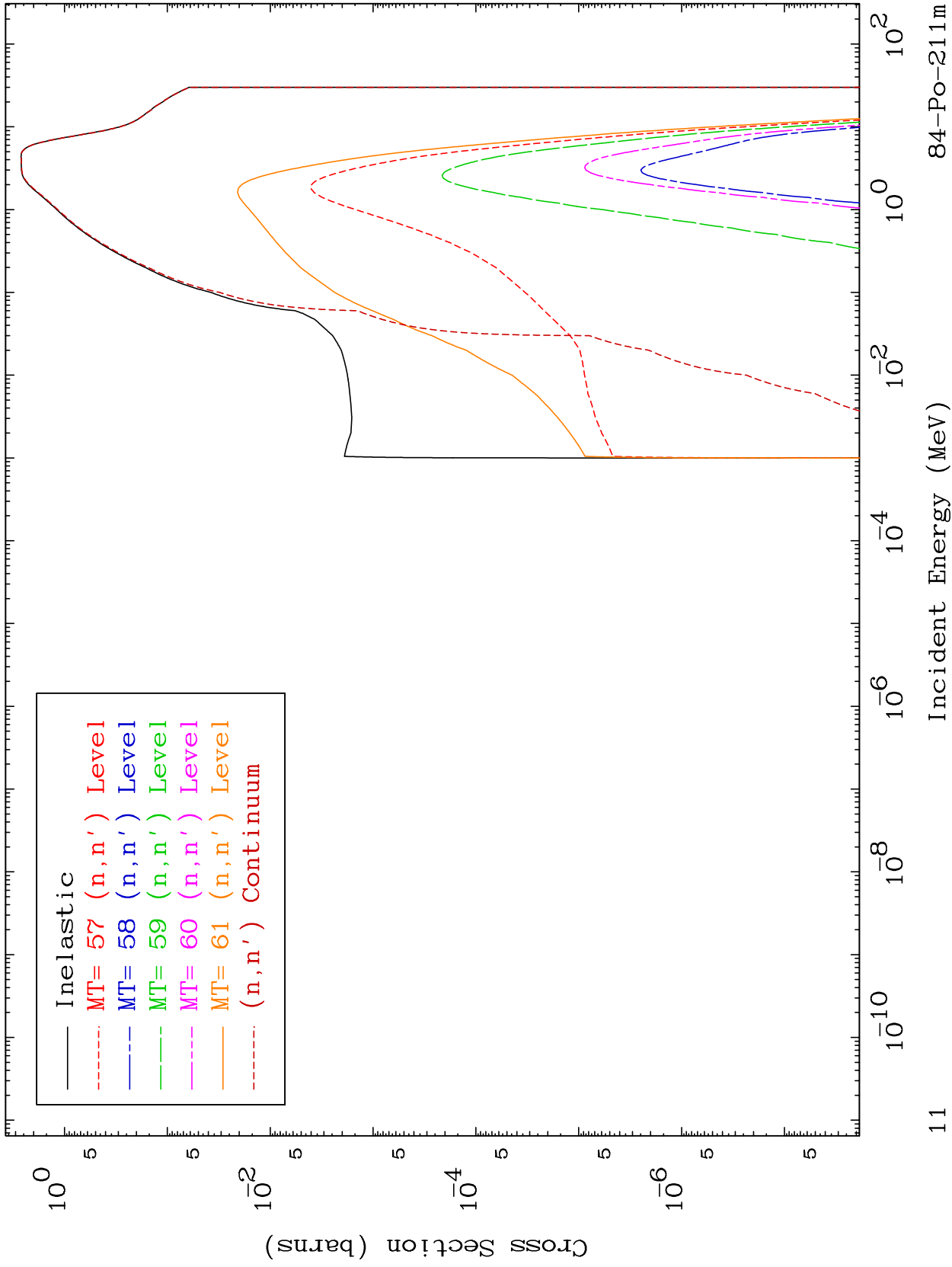
Incident Energy (MeV)

84-Po-211m

MAT 8441

(n,n') Levels  
293 Kelvin Cross Sections

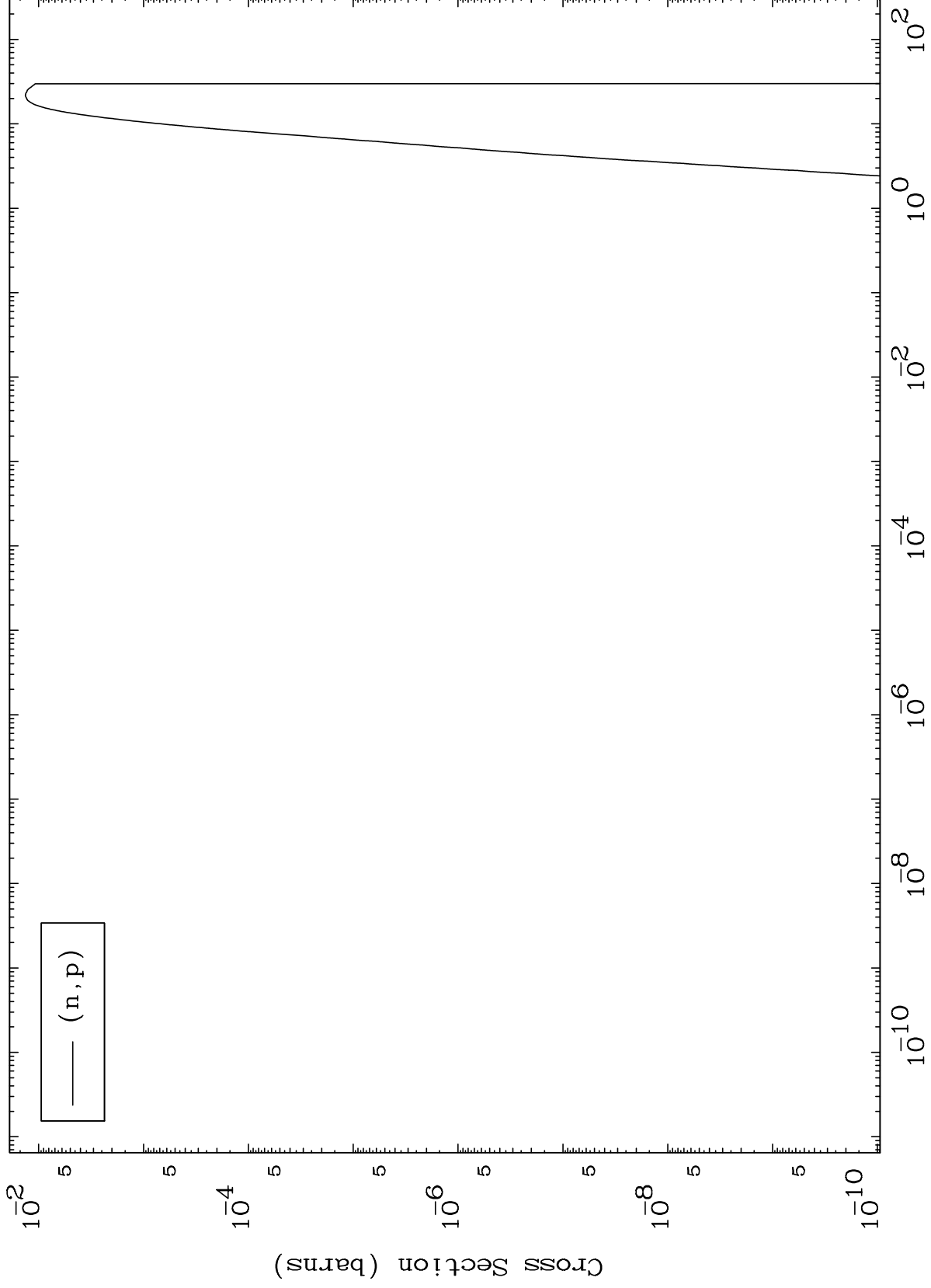
84-Po-211m



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(n,p) Levels  
293 Kelvin Cross Sections

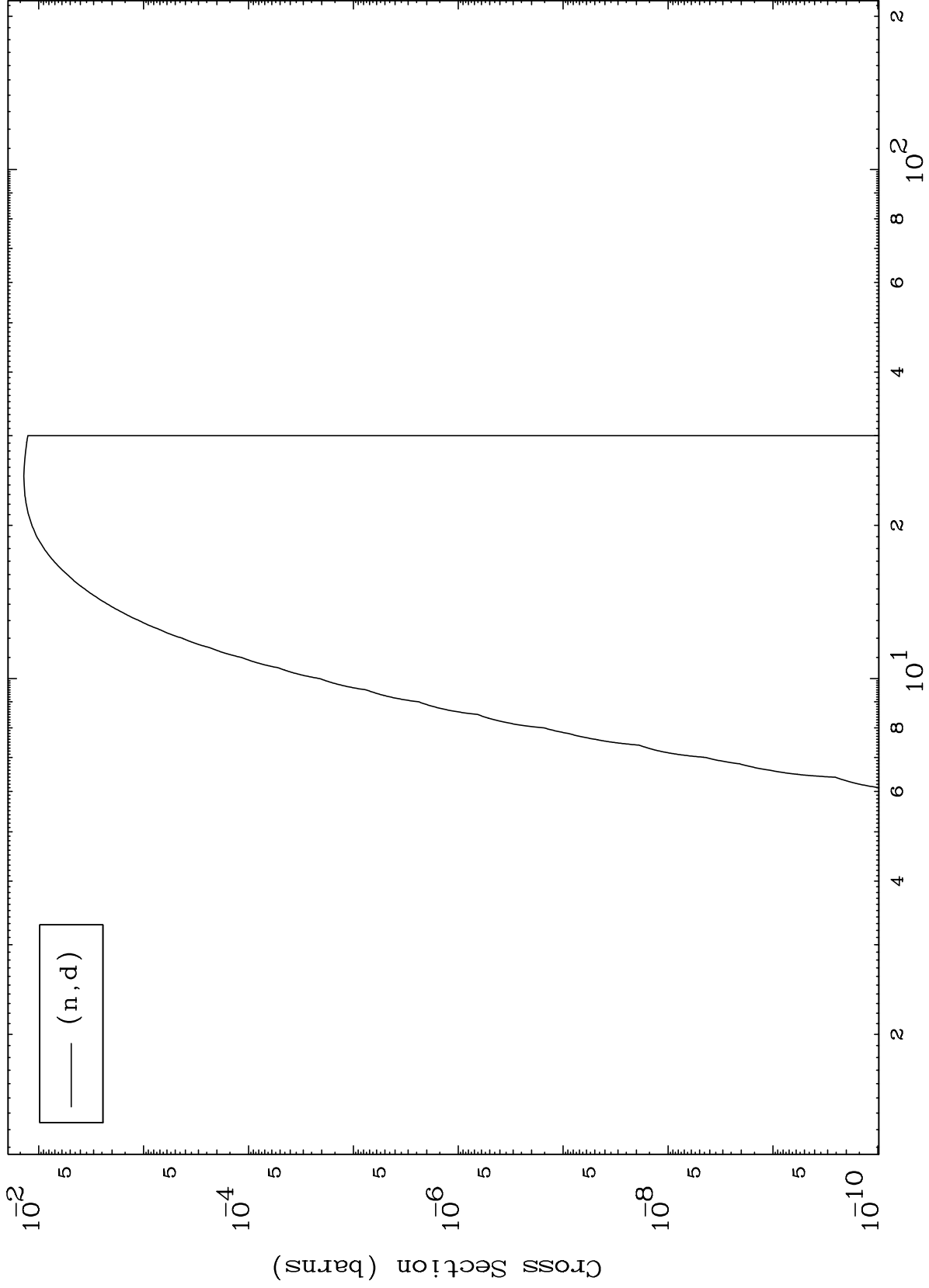
84-Po-211m



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(n,d) Levels  
293 Kelvin Cross Sections

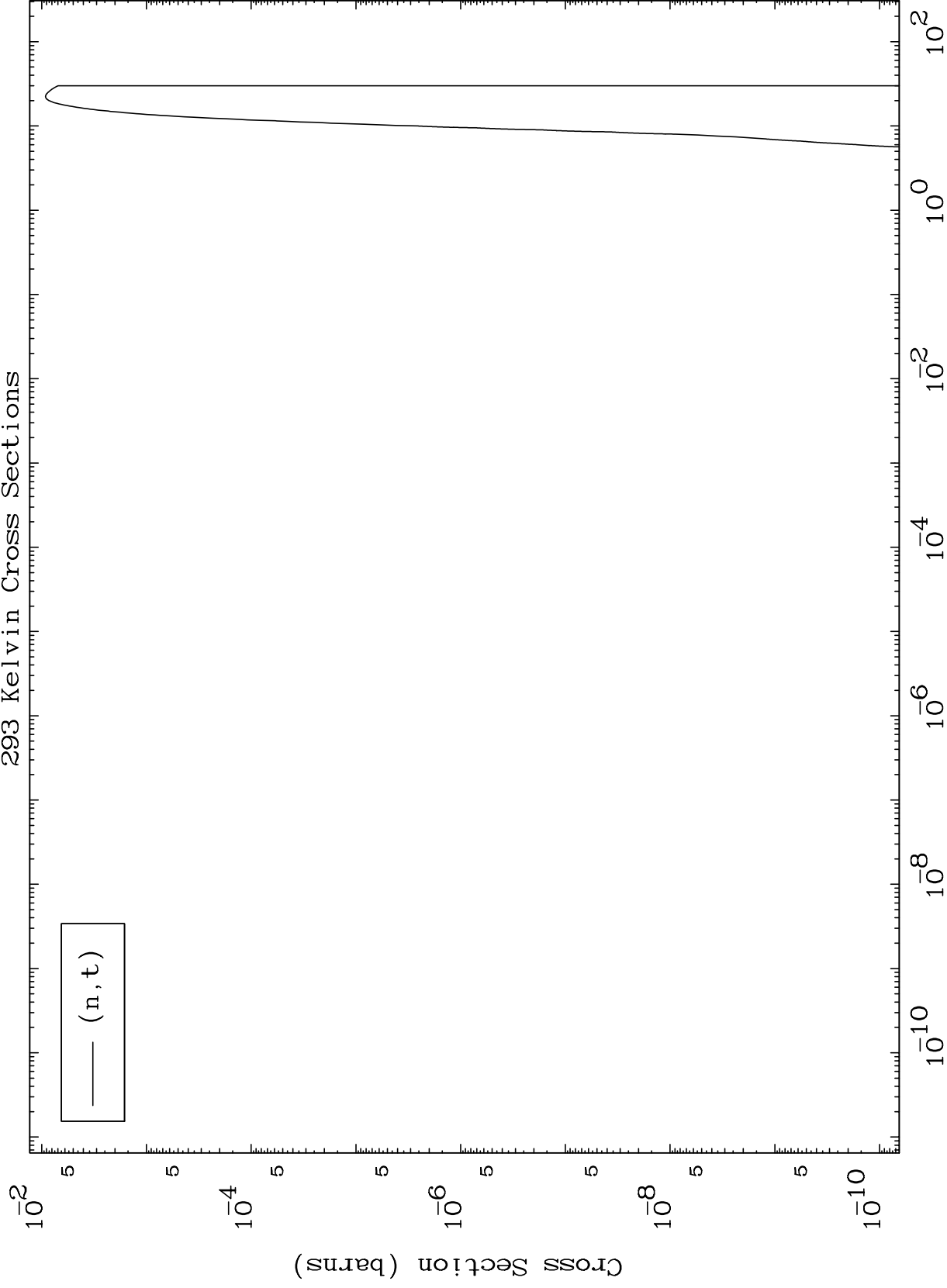
84-Po-211m



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(n,t) Levels  
293 Kelvin Cross Sections

84-Po-211m



14

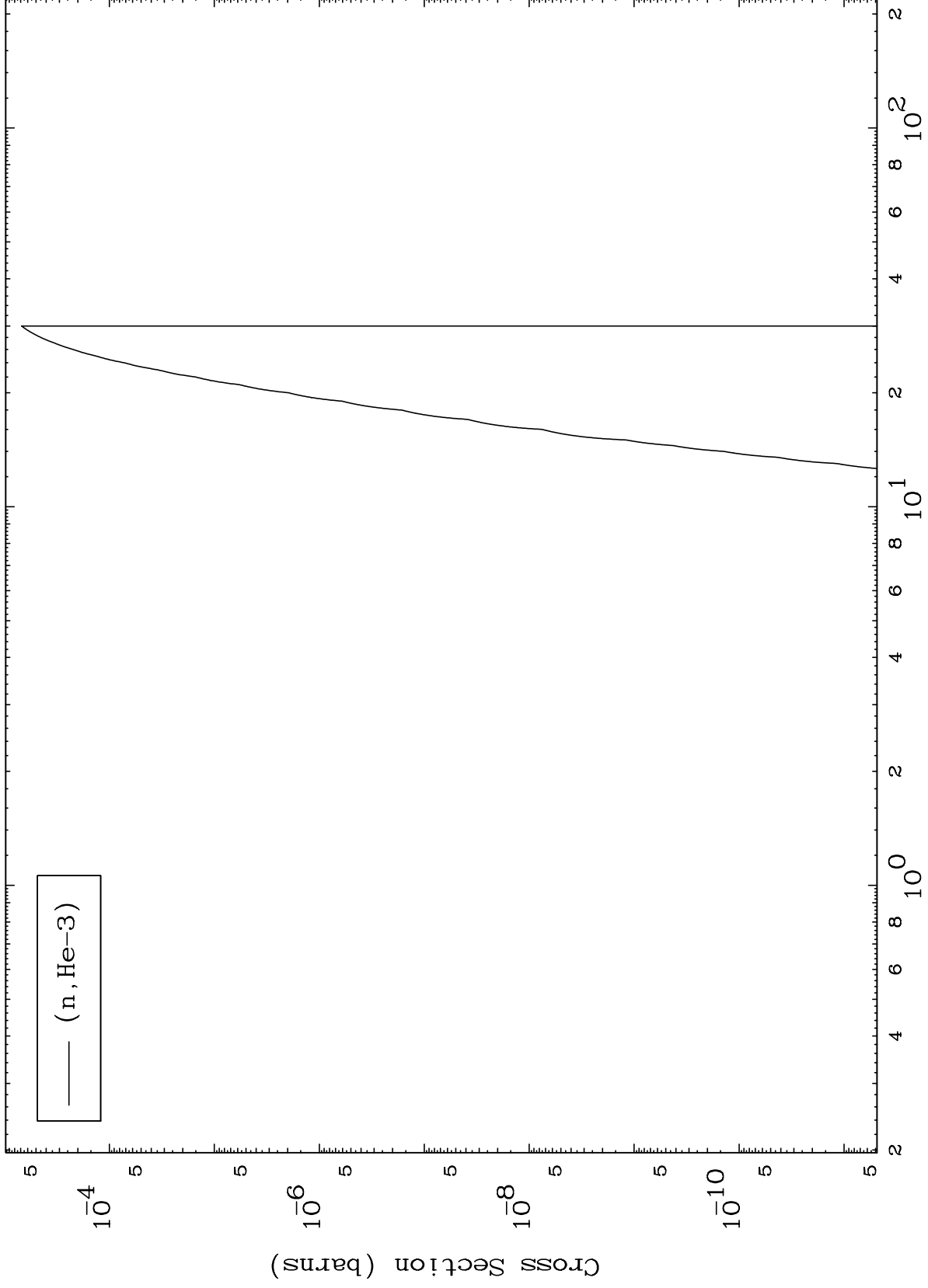
Incident Energy (MeV)

84-Po-211m

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(n,He3) Levels  
293 Kelvin Cross Sections

84-Po-211m



15

Incident Energy (MeV)

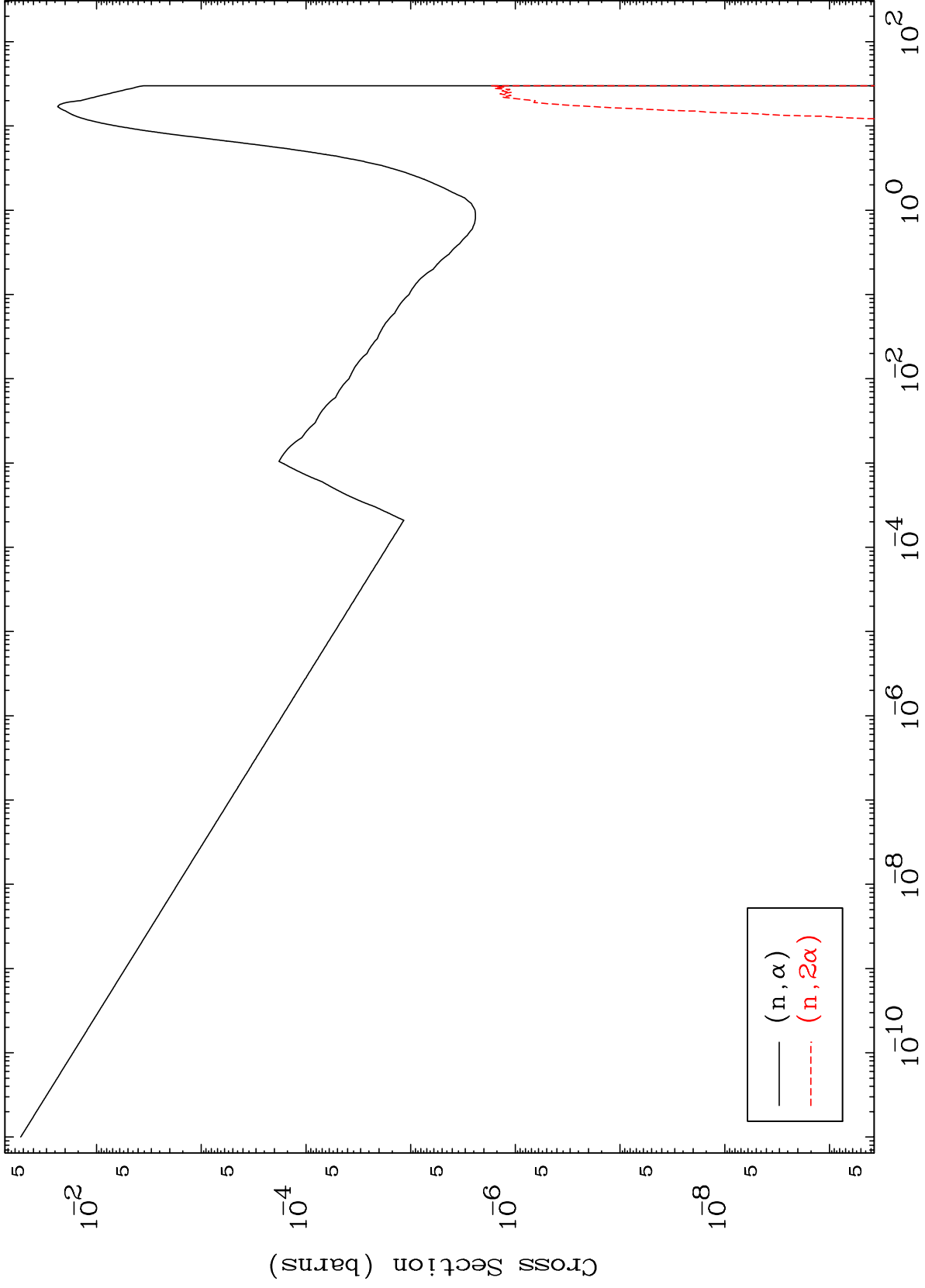
84-Po-211m



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(n,α) Levels  
293 Kelvin Cross Sections

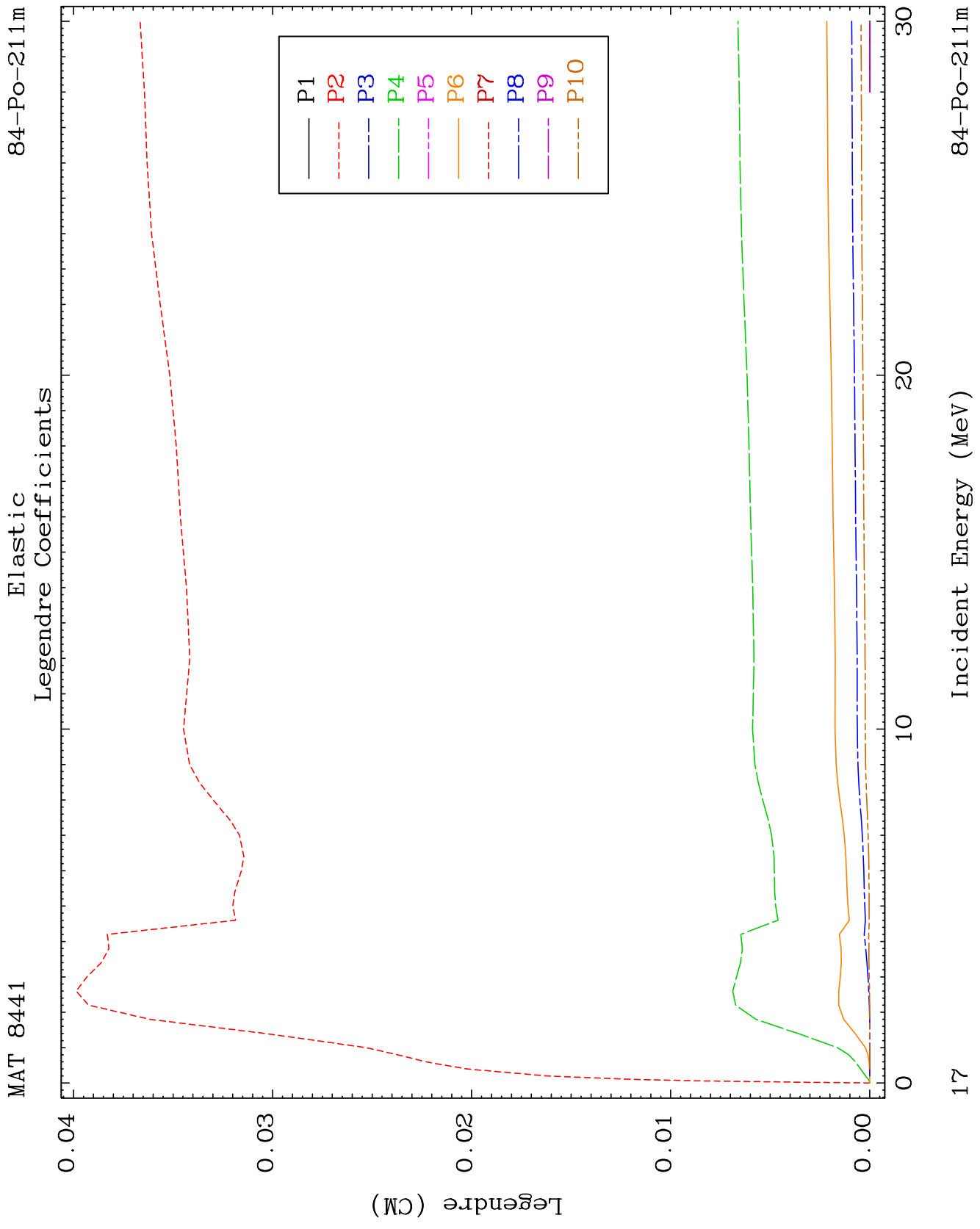
84-Po-211m



Incident Energy (MeV)

84-Po-211m

16

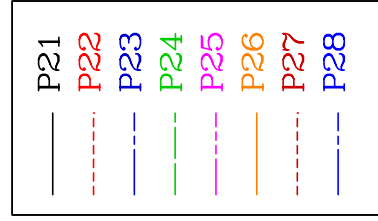




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Elastic  
Legendre Coefficients

84-Po-211m



$\times 10^{-6}$

2.5

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

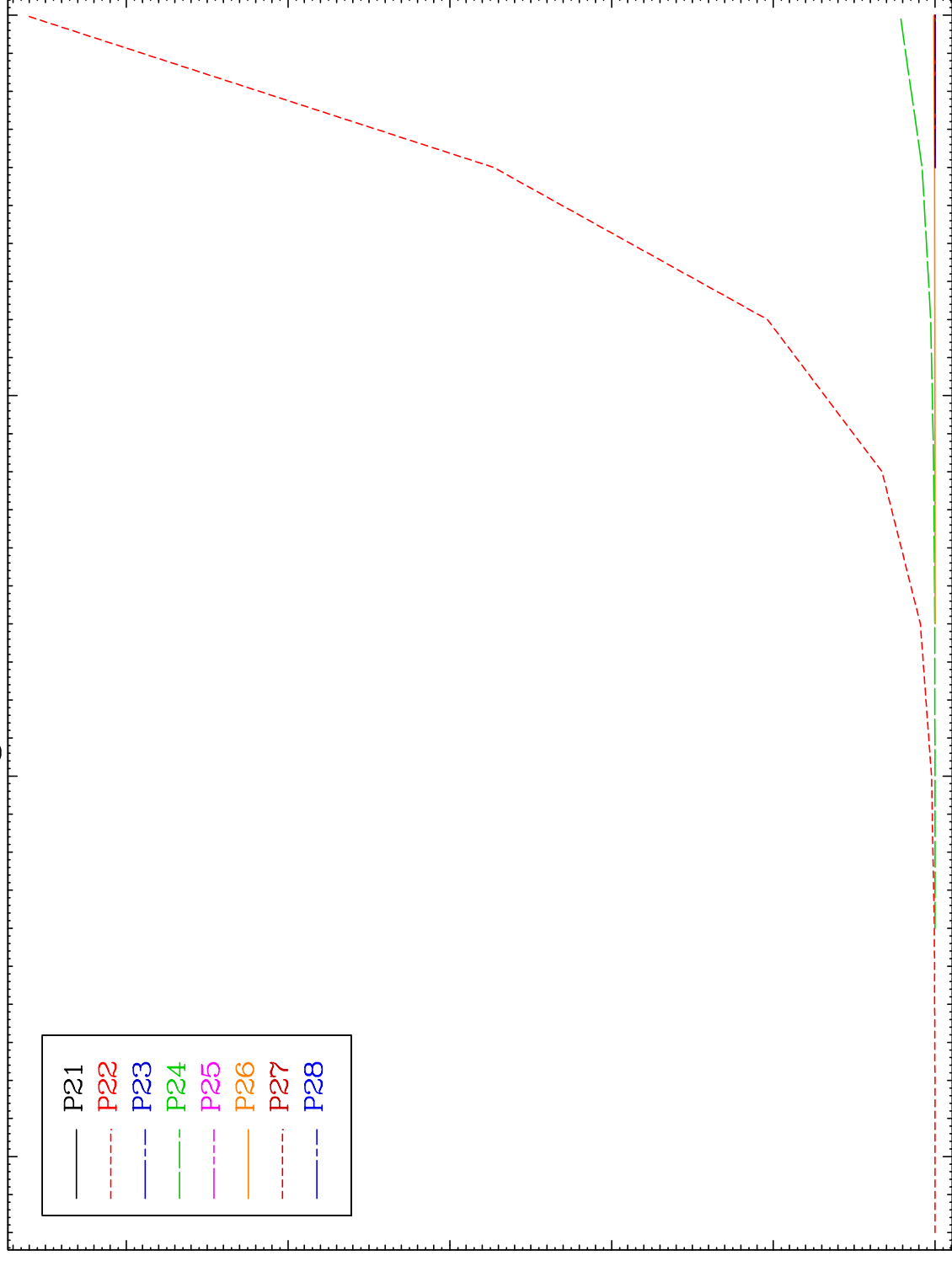
25

30

19

Incident Energy (MeV)

84-Po-211m

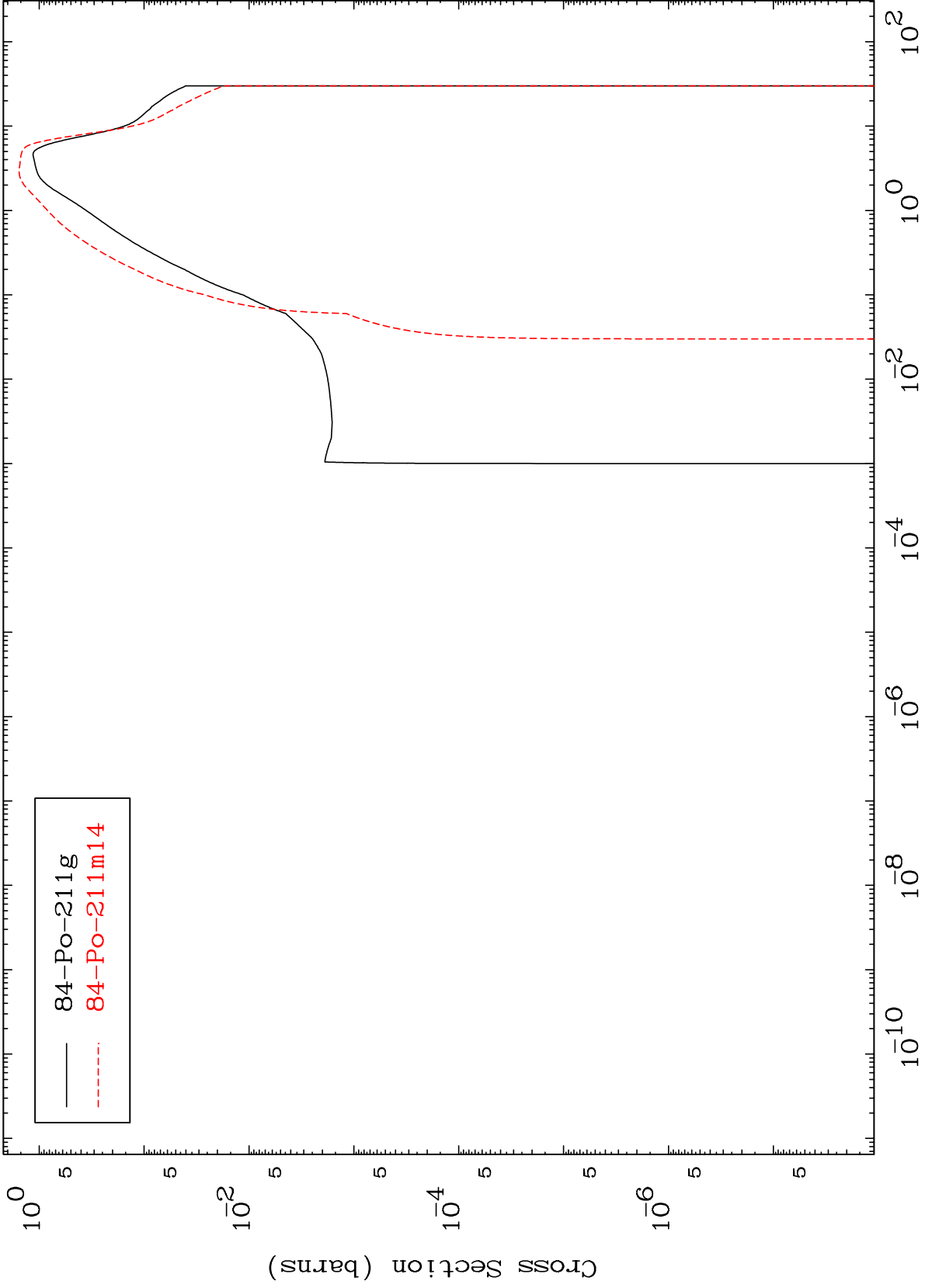


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Inelastic

84-Po-211m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

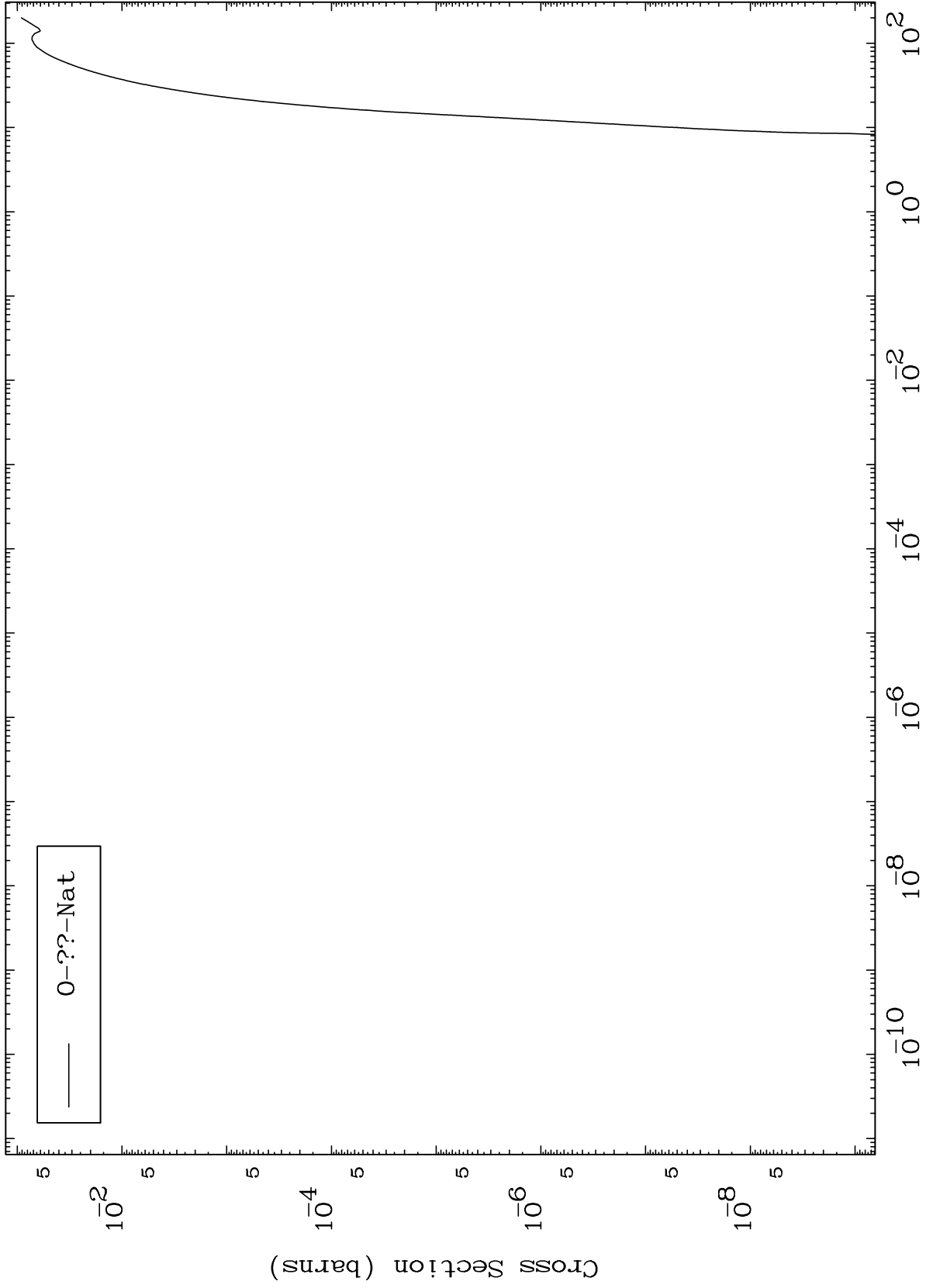
84-Po-211m

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Fission

<sup>84</sup>Po-211m

Radionuclide Production Cross Section

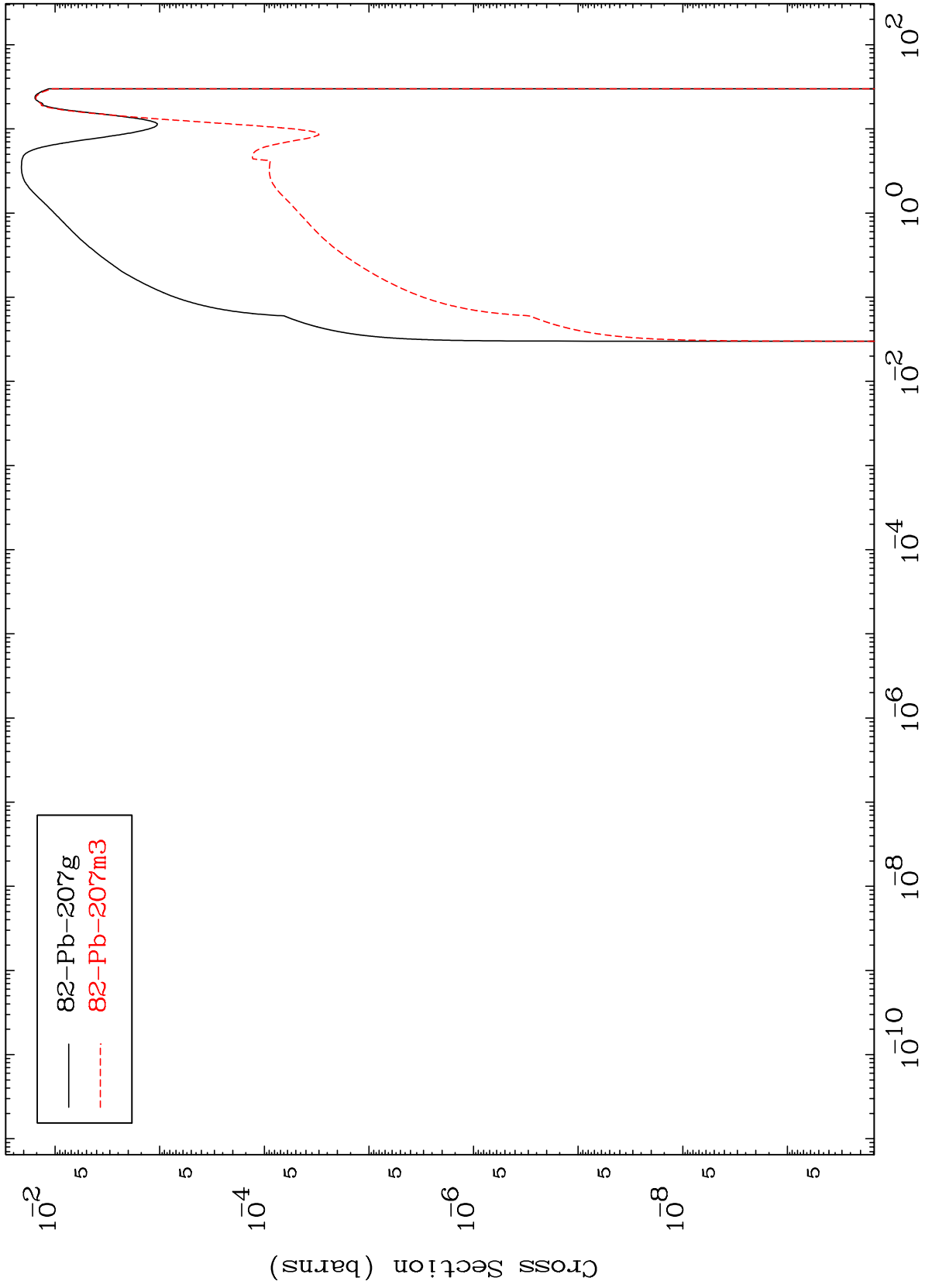


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$(n, n') \alpha$

84-Po-211m

Radionuclide Production Cross Section

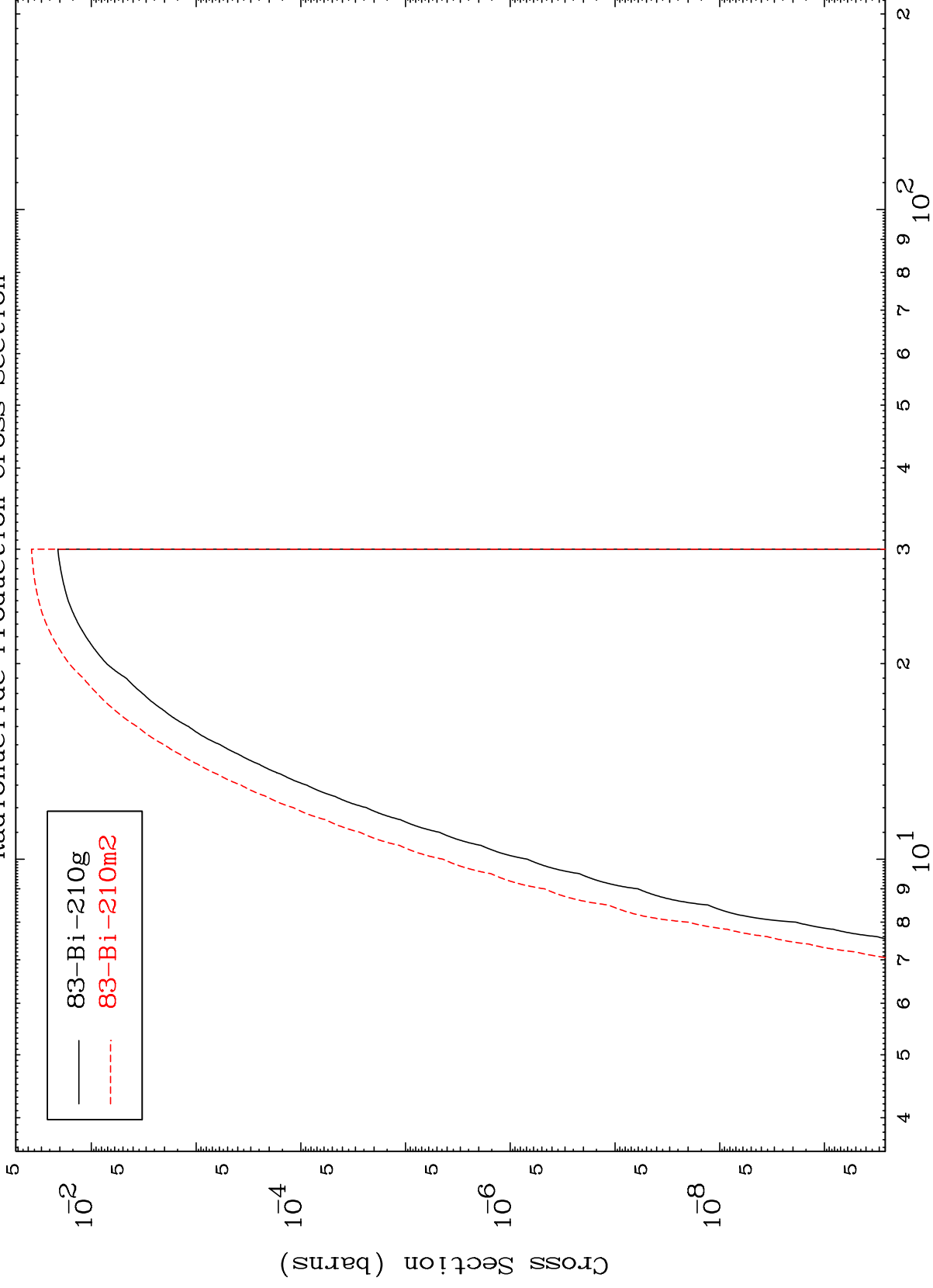


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(n,n') p

84-Po-211m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

84-Po-211m



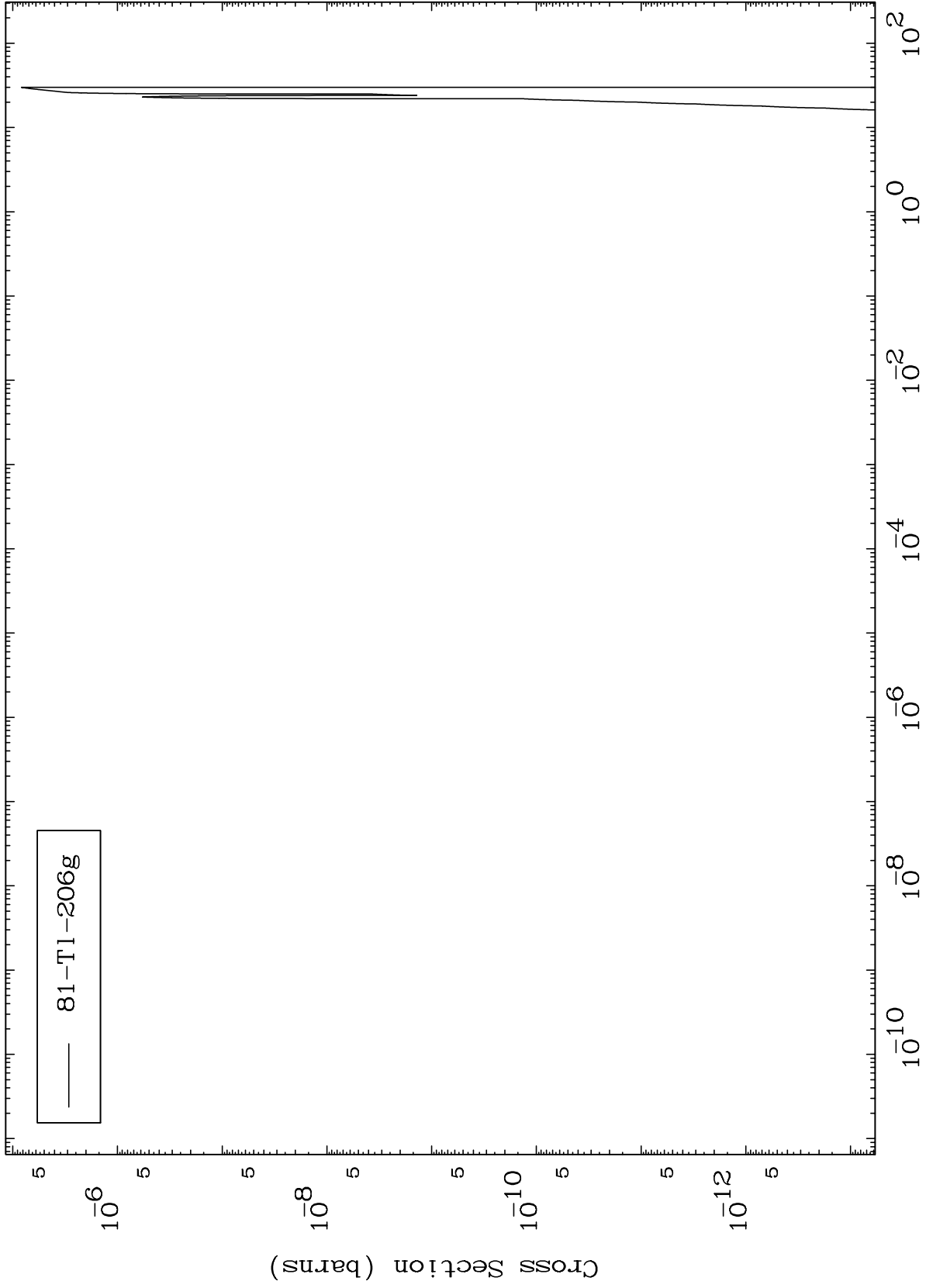
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(n,n') p  $\alpha$

84-Po-211m

Radionuclide Production Cross Section

81-Tl-206g



24

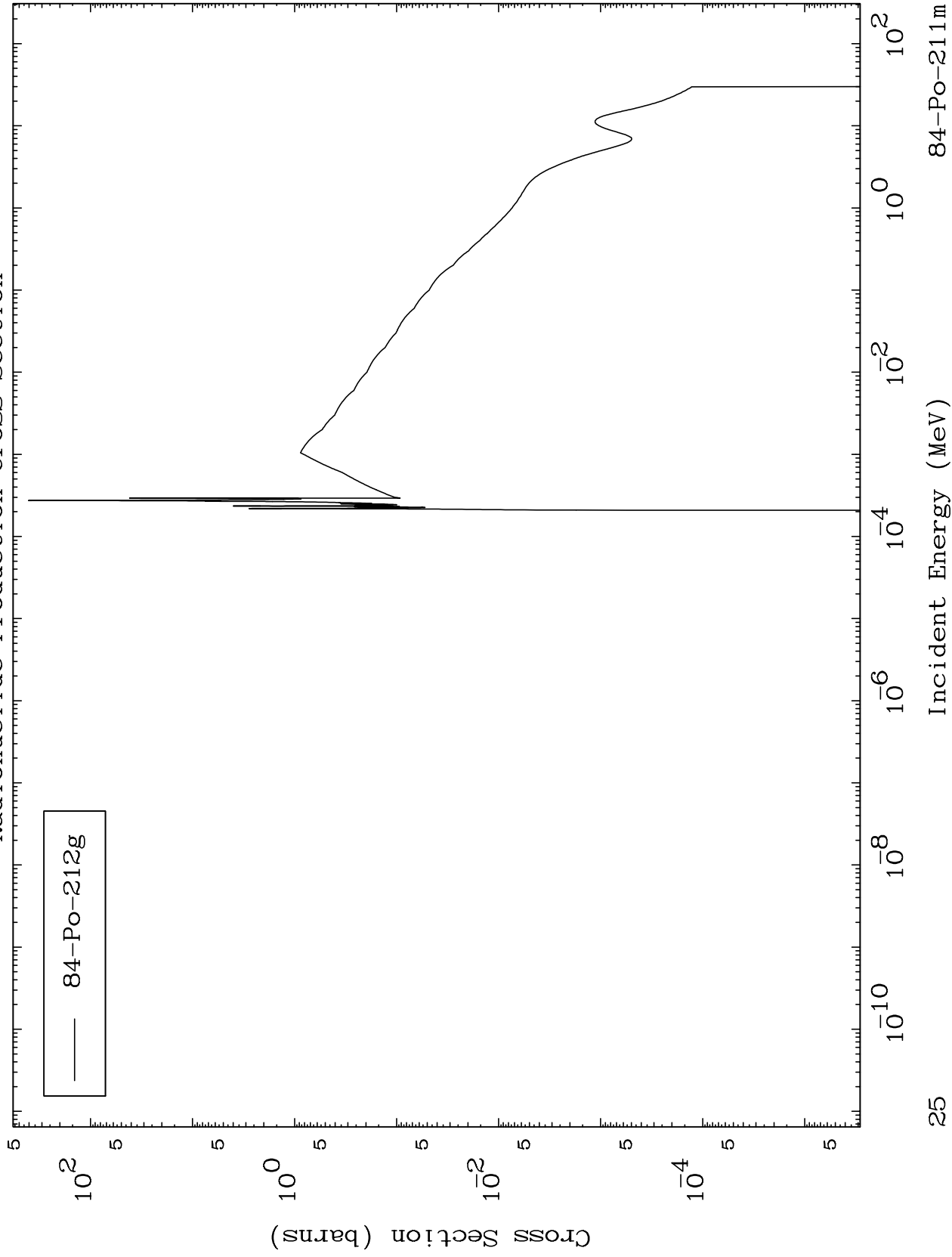
Incident Energy (MeV)

84-Po-211m

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84-Po-211m

Radionuclide Production Cross Section

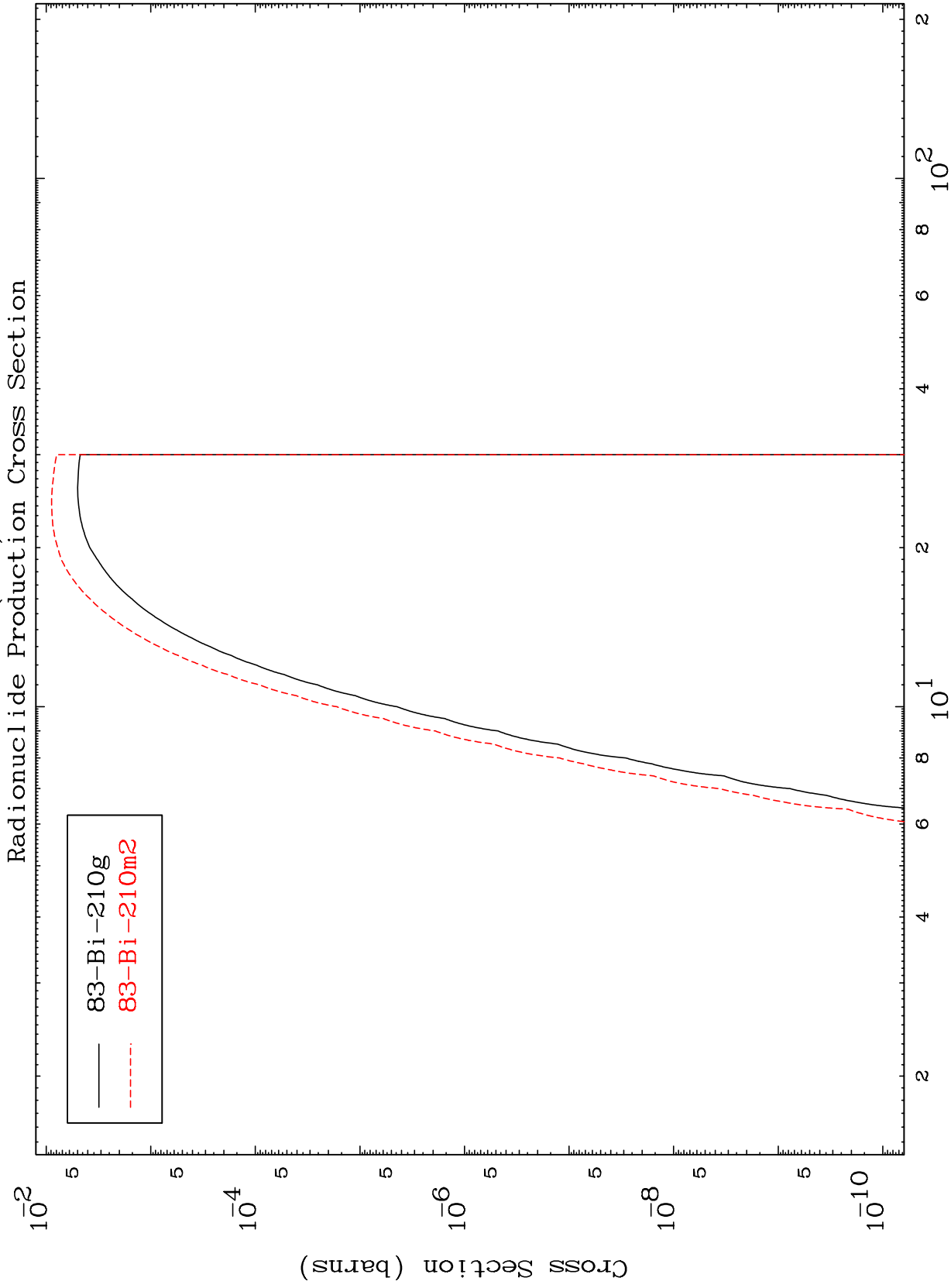


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84-Po-211m

Radionuclide Production Cross Section

(n,d)



Incident Energy (MeV)

84-Po-211m

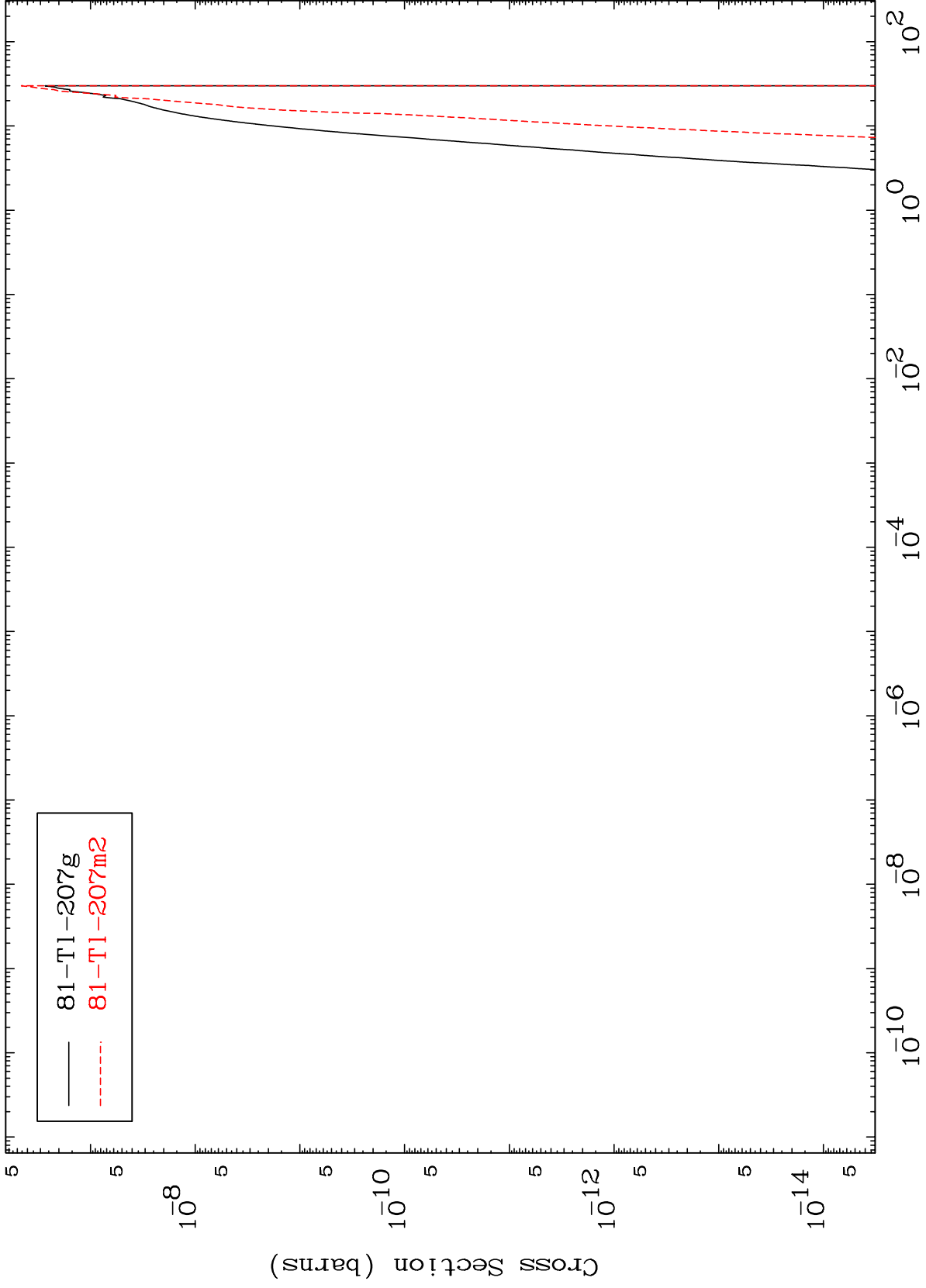
26

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(n,p)  $\alpha$

84-Po-211m

Radionuclide Production Cross Section

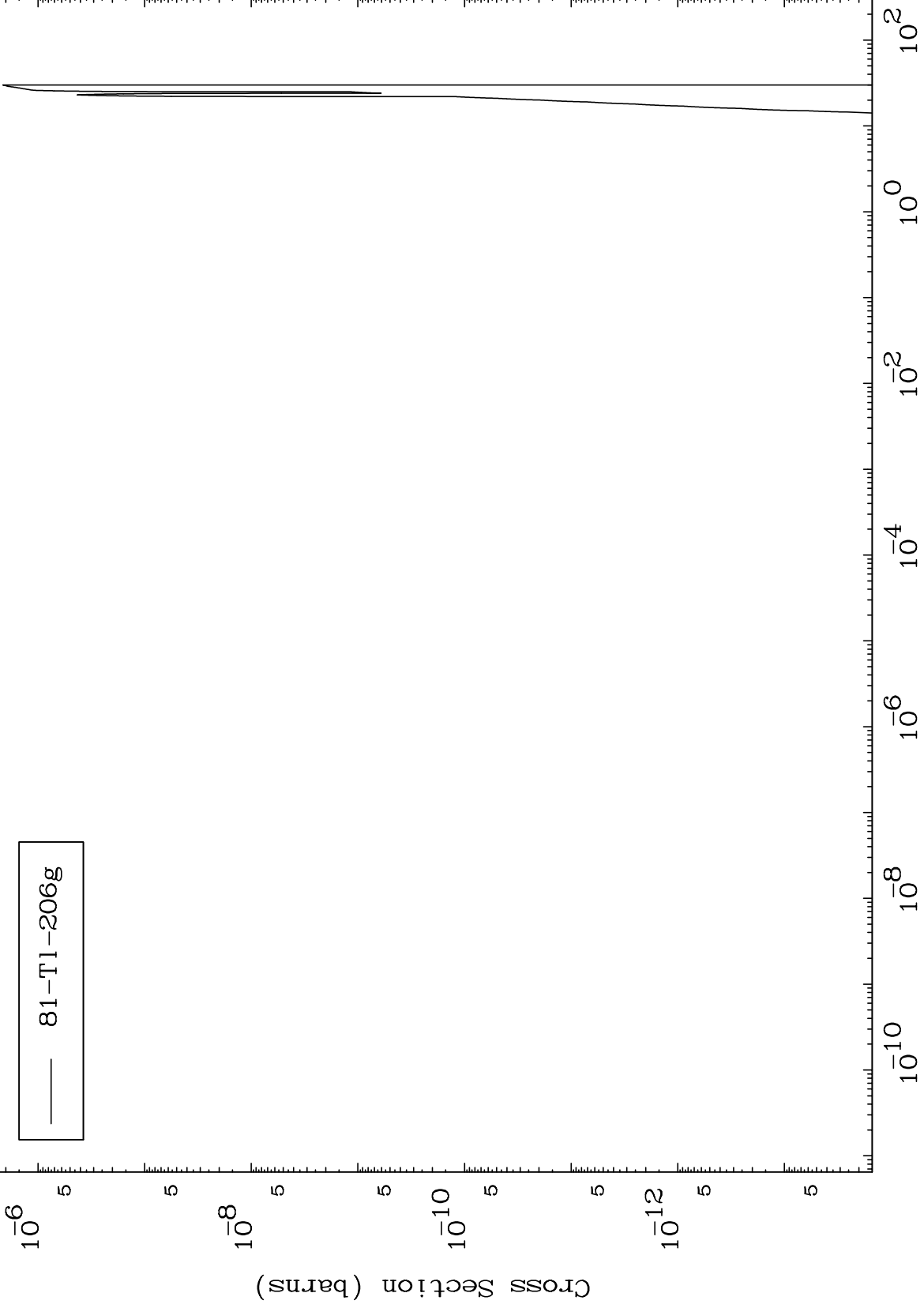


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(n,d)  $\alpha$

84-Po-211m

Radionuclide Production Cross Section



81-Tl-206g