

Program EVALPLOT  
(Version 2021-1)

by

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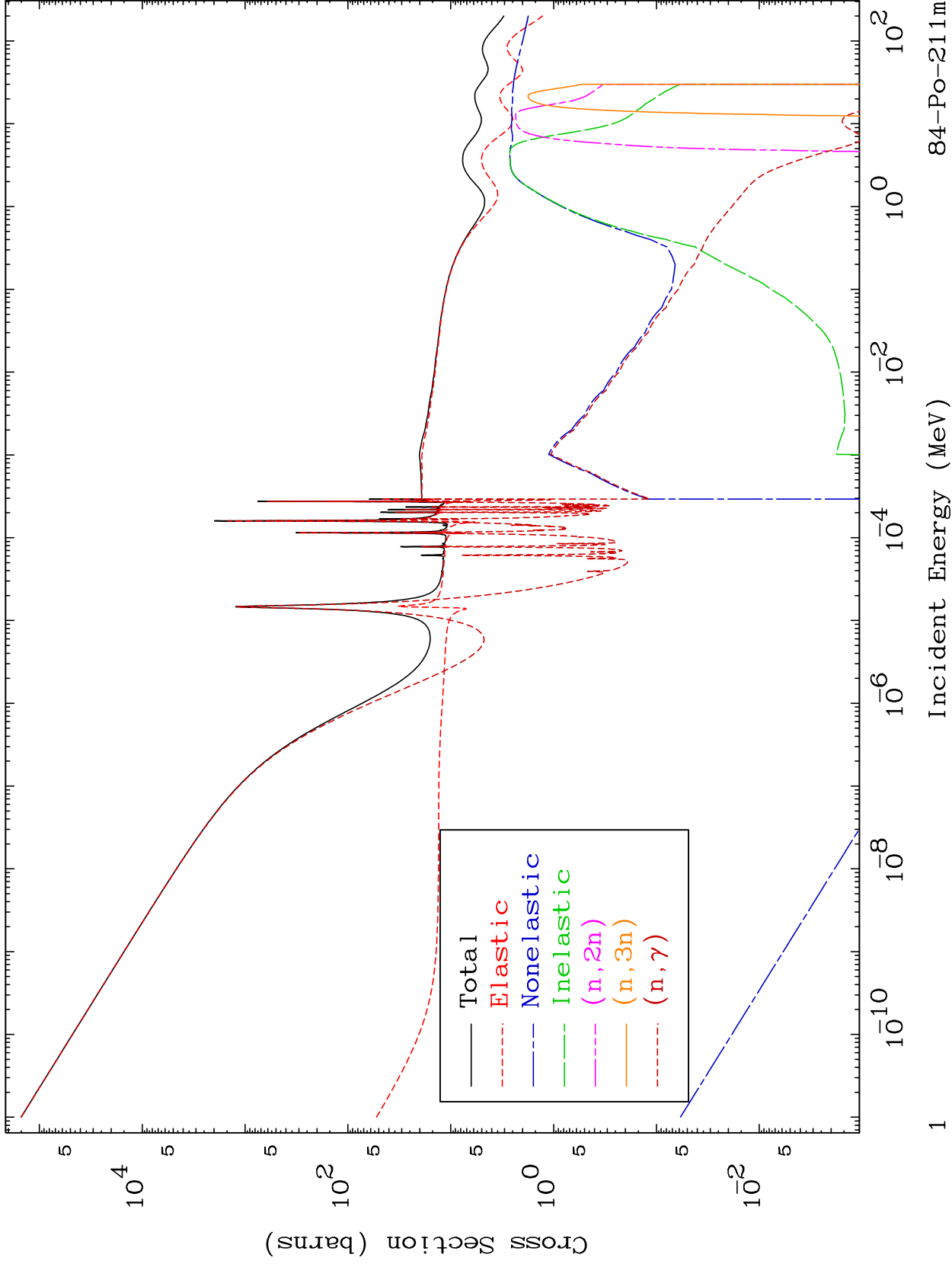
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8441

Neutron Major  
293 Kelvin Cross Sections

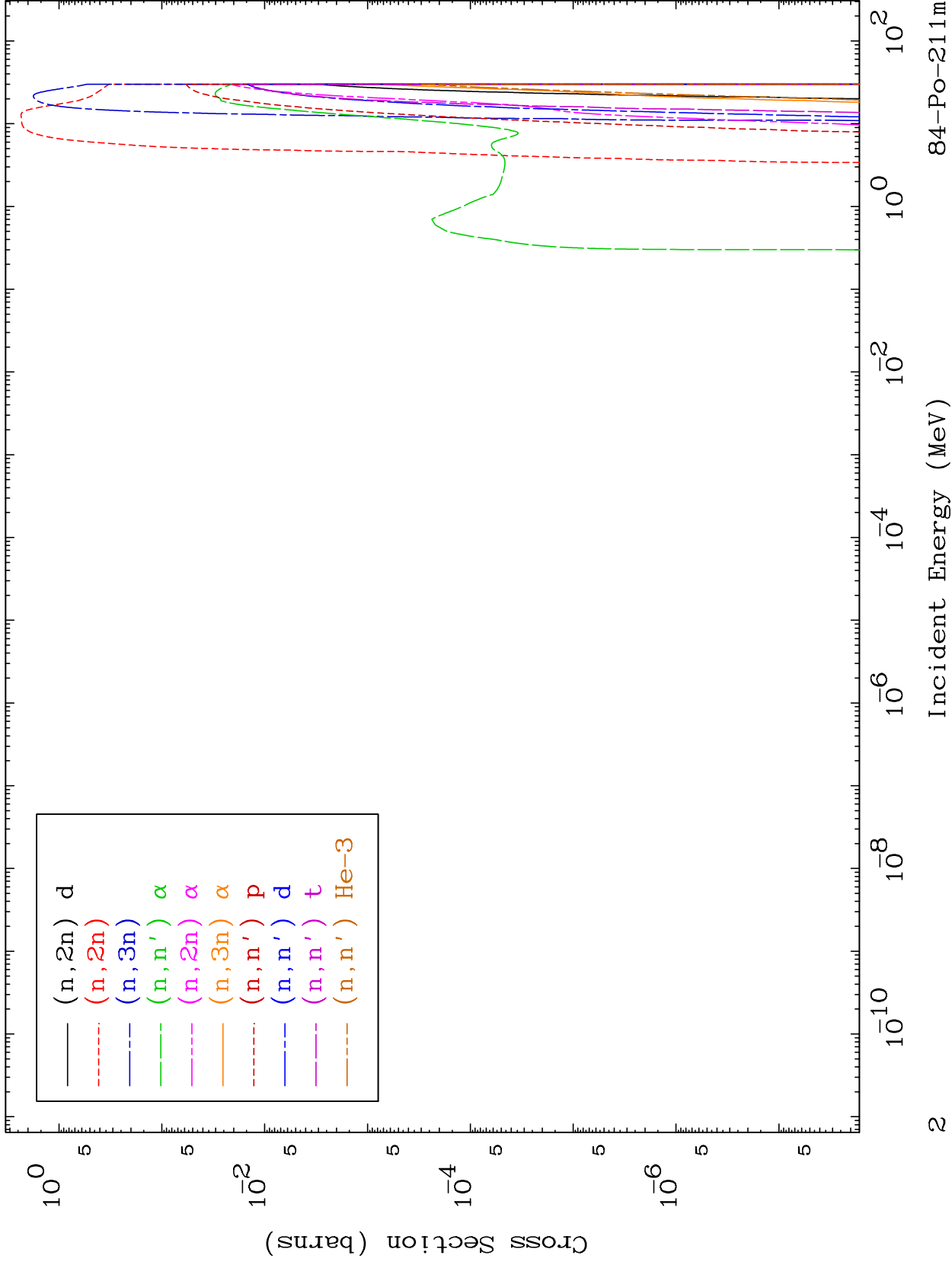
84-Po-211m



MAT 8441

Neutron Absorption  
293 Kelvin Cross Sections

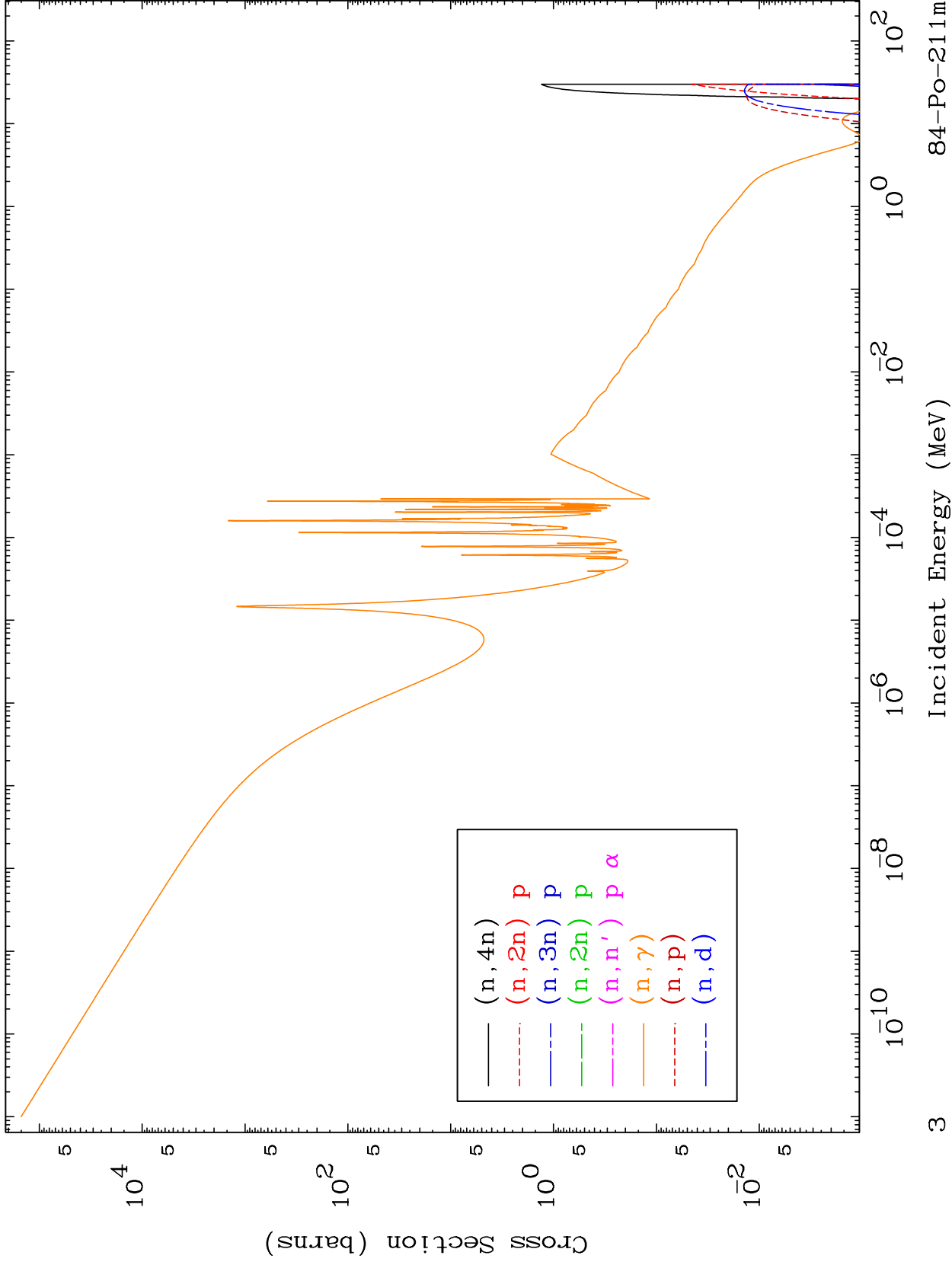
84-Po-211m

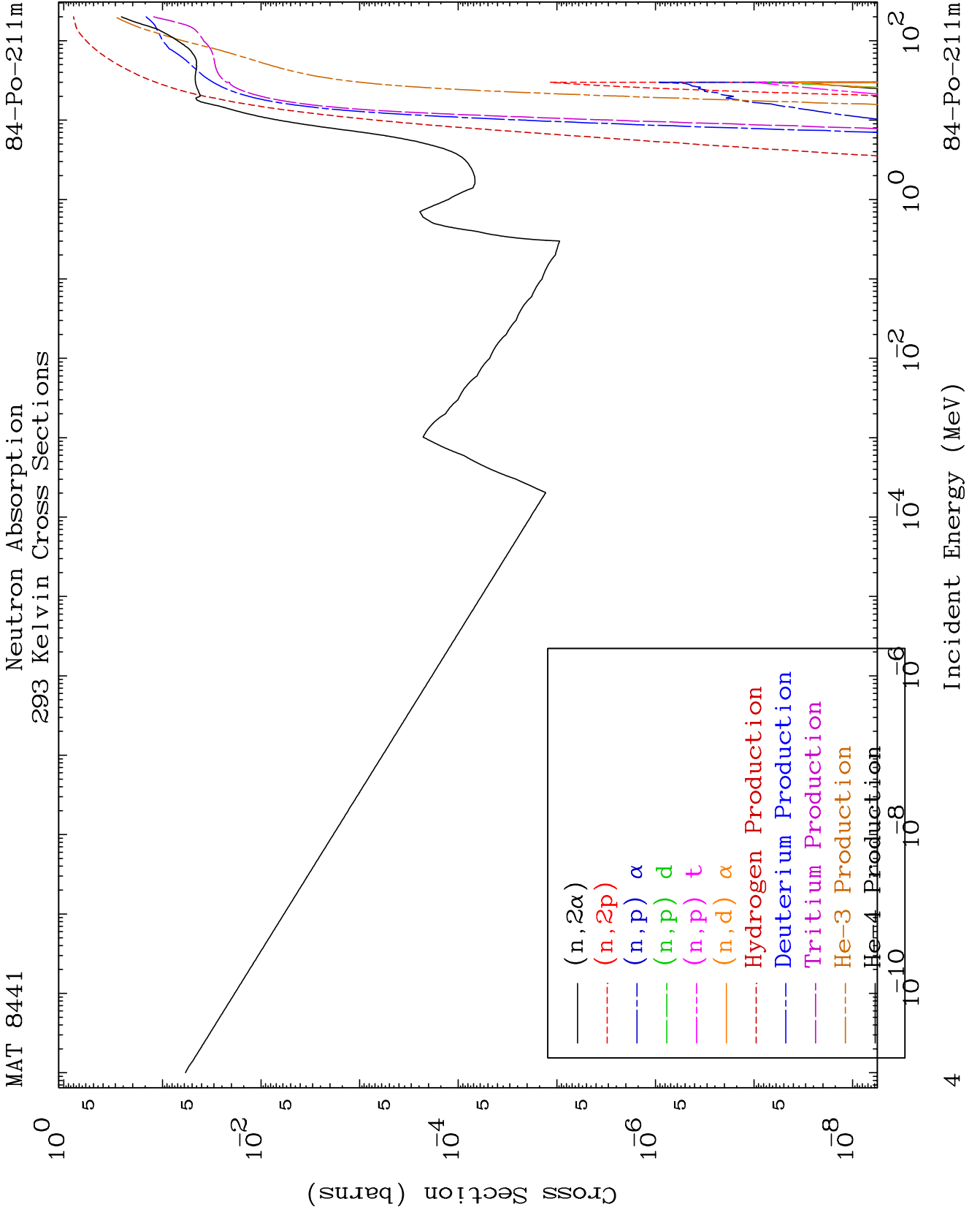


MAT 8441

Neutron Absorption  
293 Kelvin Cross Sections

84-Po-211m

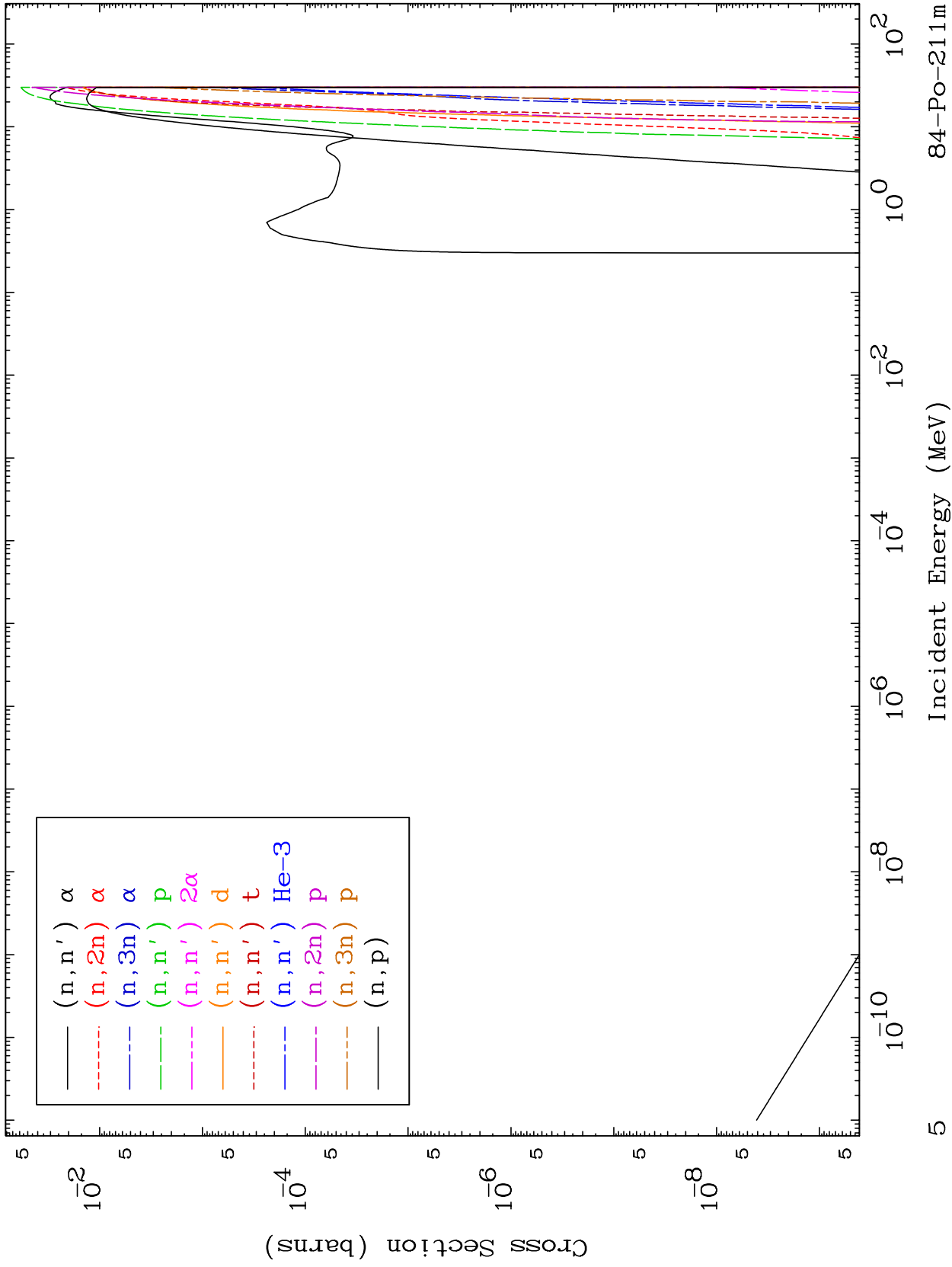




MAT 8441

Charged Particle  
293 Kelvin Cross Sections

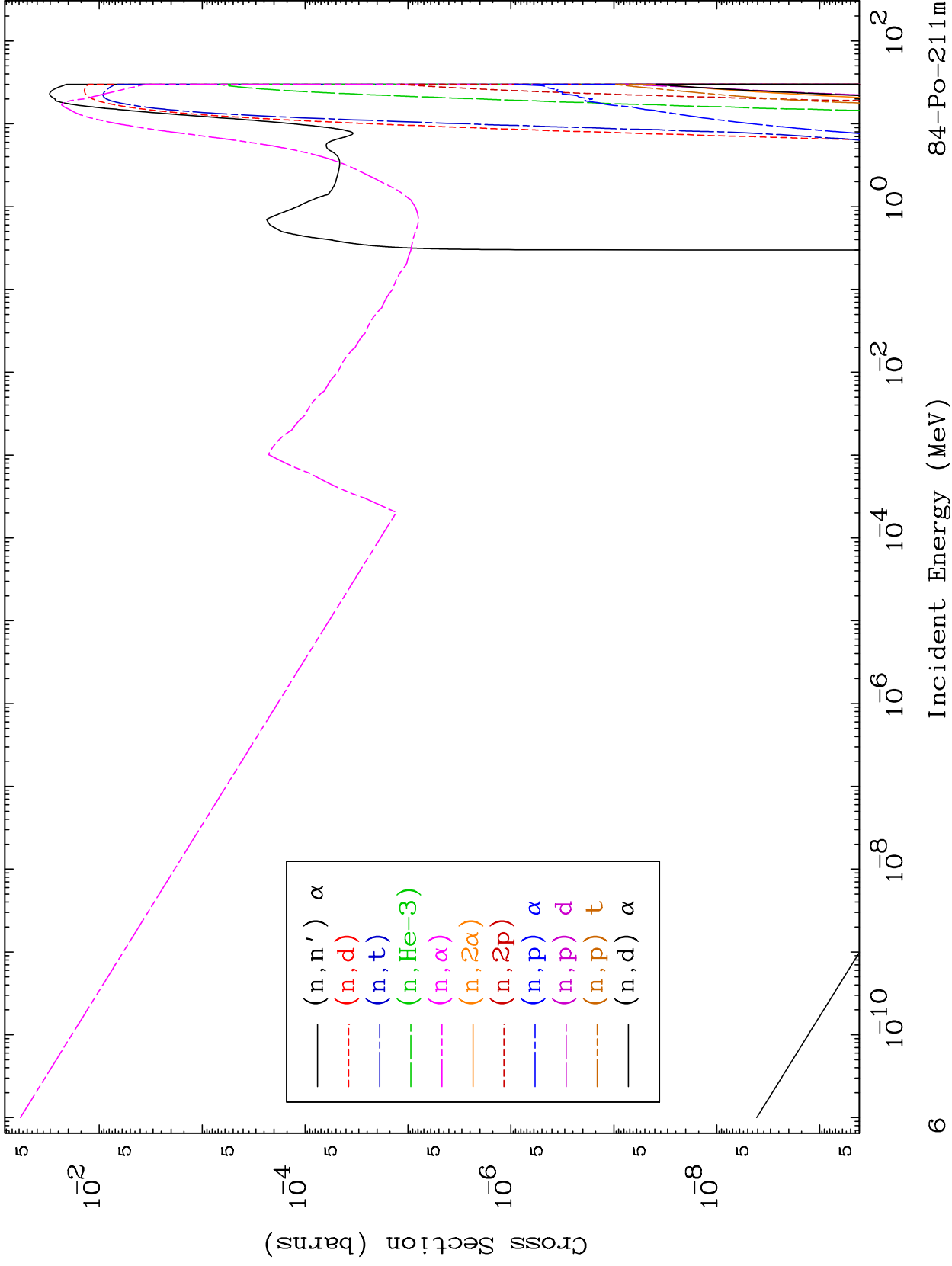
84-Po-211m



MAT 8441

Charged Particle  
293 Kelvin Cross Sections

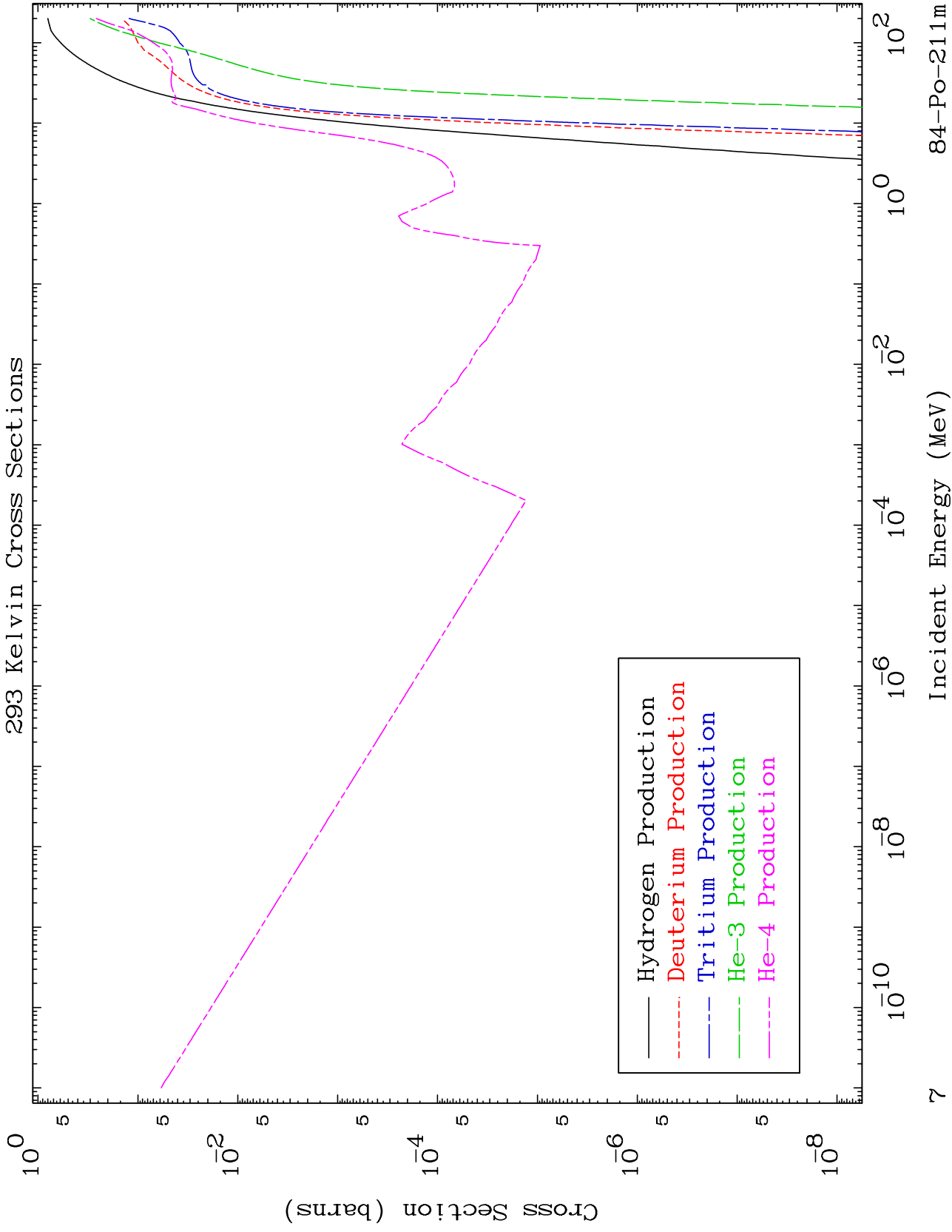
84-Po-211m



MAT 8441

Particle Production  
293 Kelvin Cross Sections

84-Po-211m

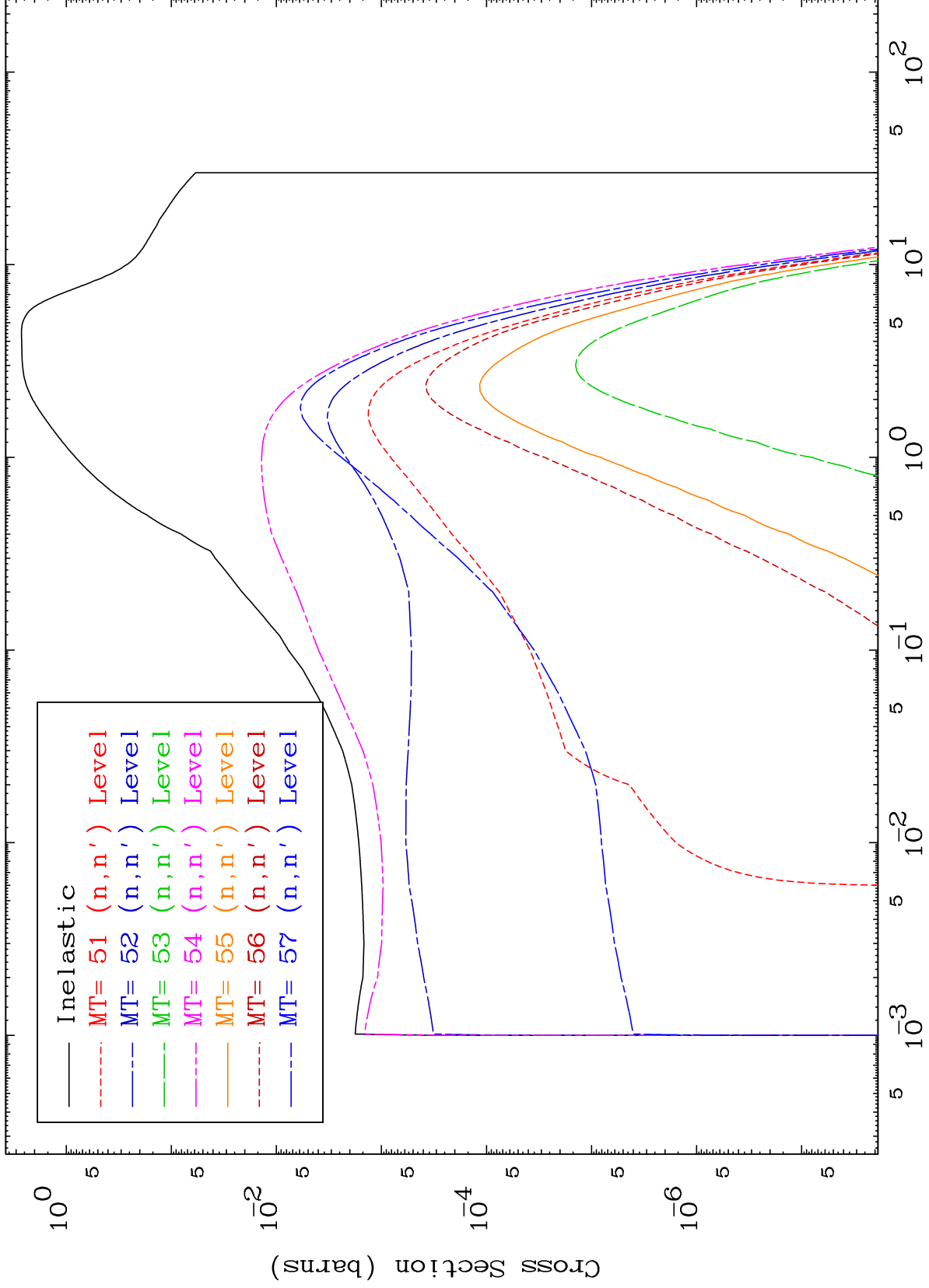




MAT 8441

(n,n') Levels  
293 Kelvin Cross Sections

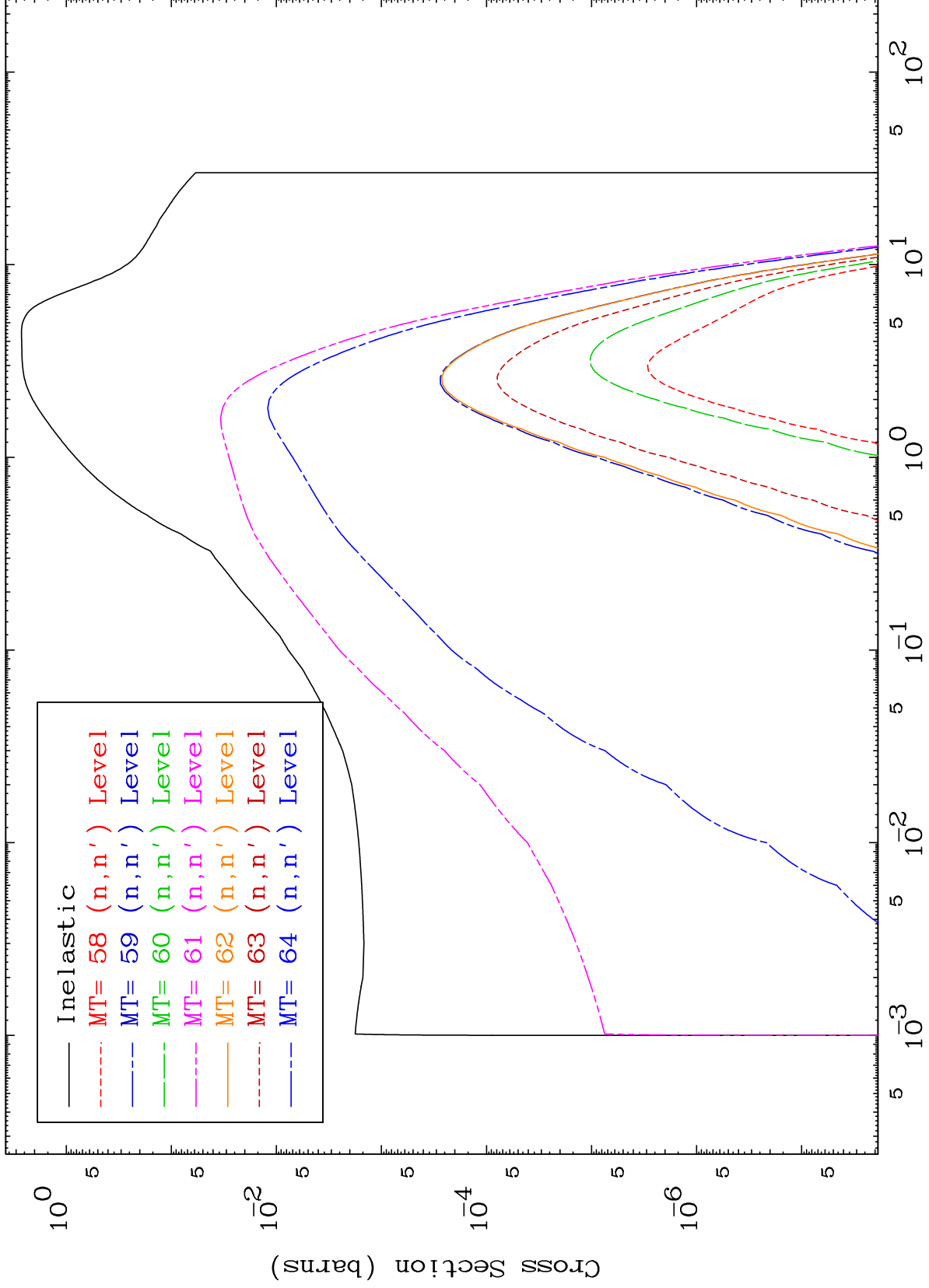
84-Po-211m



MAT 8441

(n,n') Levels  
293 Kelvin Cross Sections

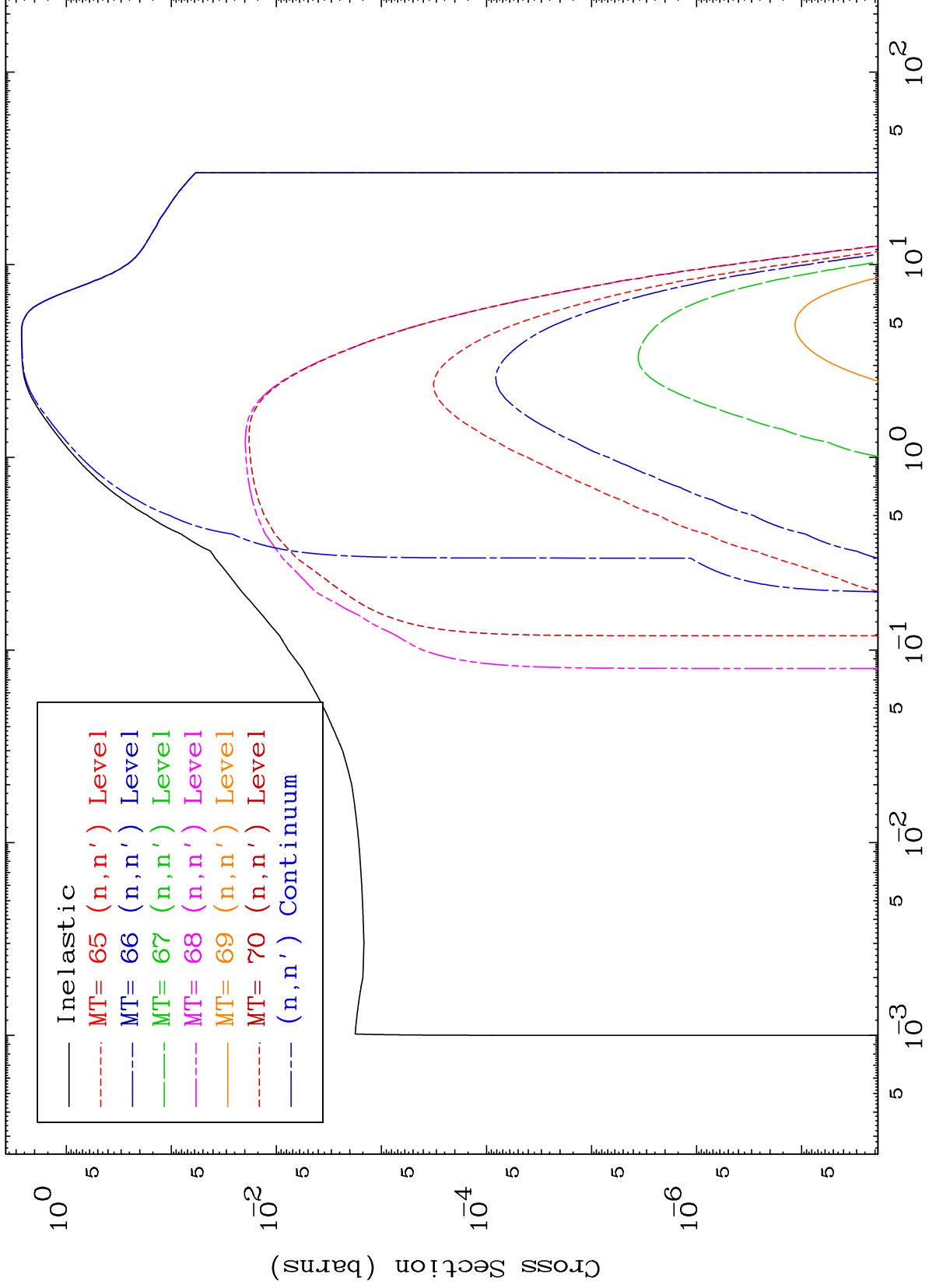
84-Po-211m



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(n,n') Levels  
293 Kelvin Cross Sections

84-Po-211m



10

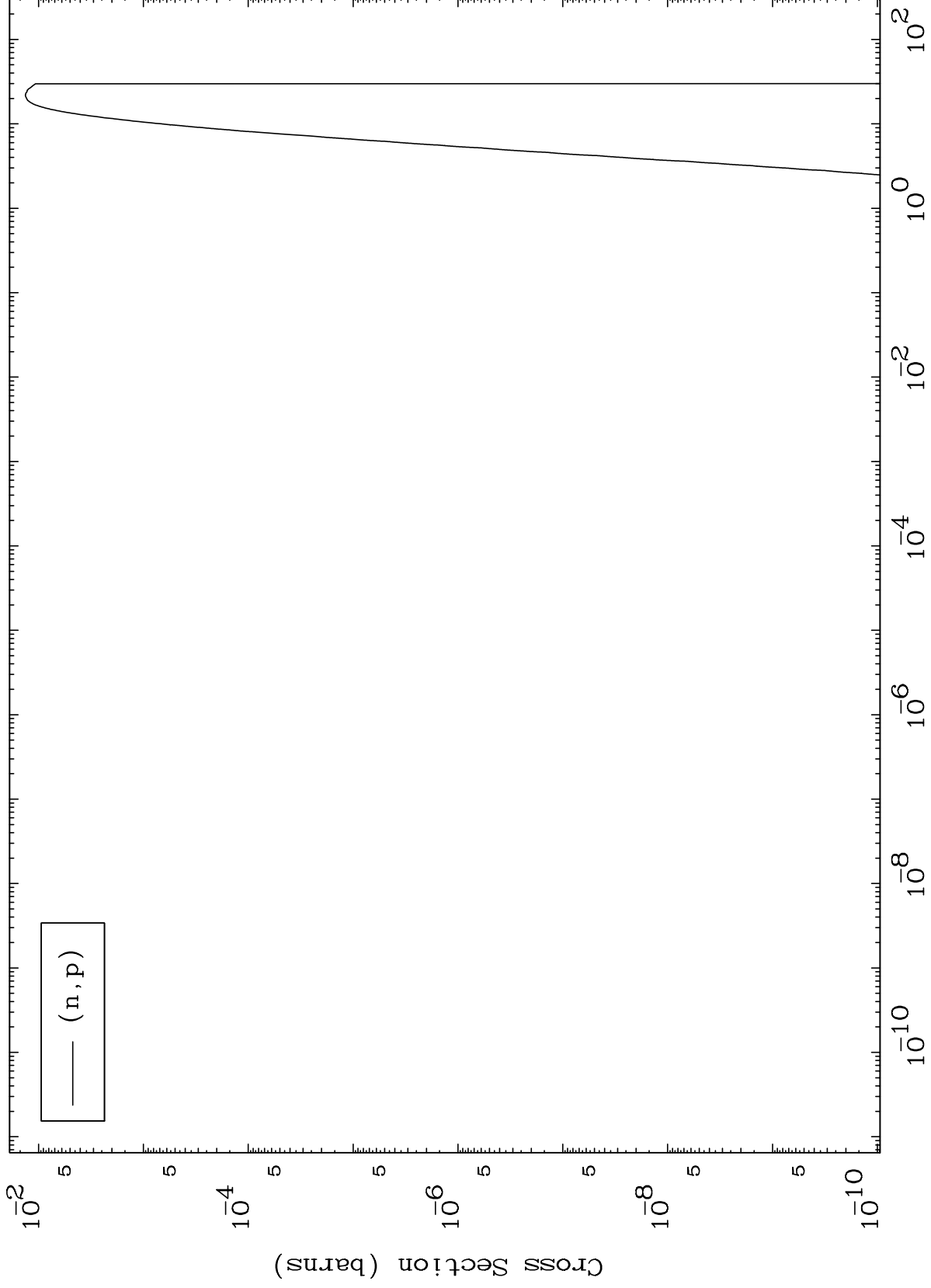
Incident Energy (MeV)

84-Po-211m

MAT 8441

(n,p) Levels  
293 Kelvin Cross Sections

84-Po-211m



(n,p)

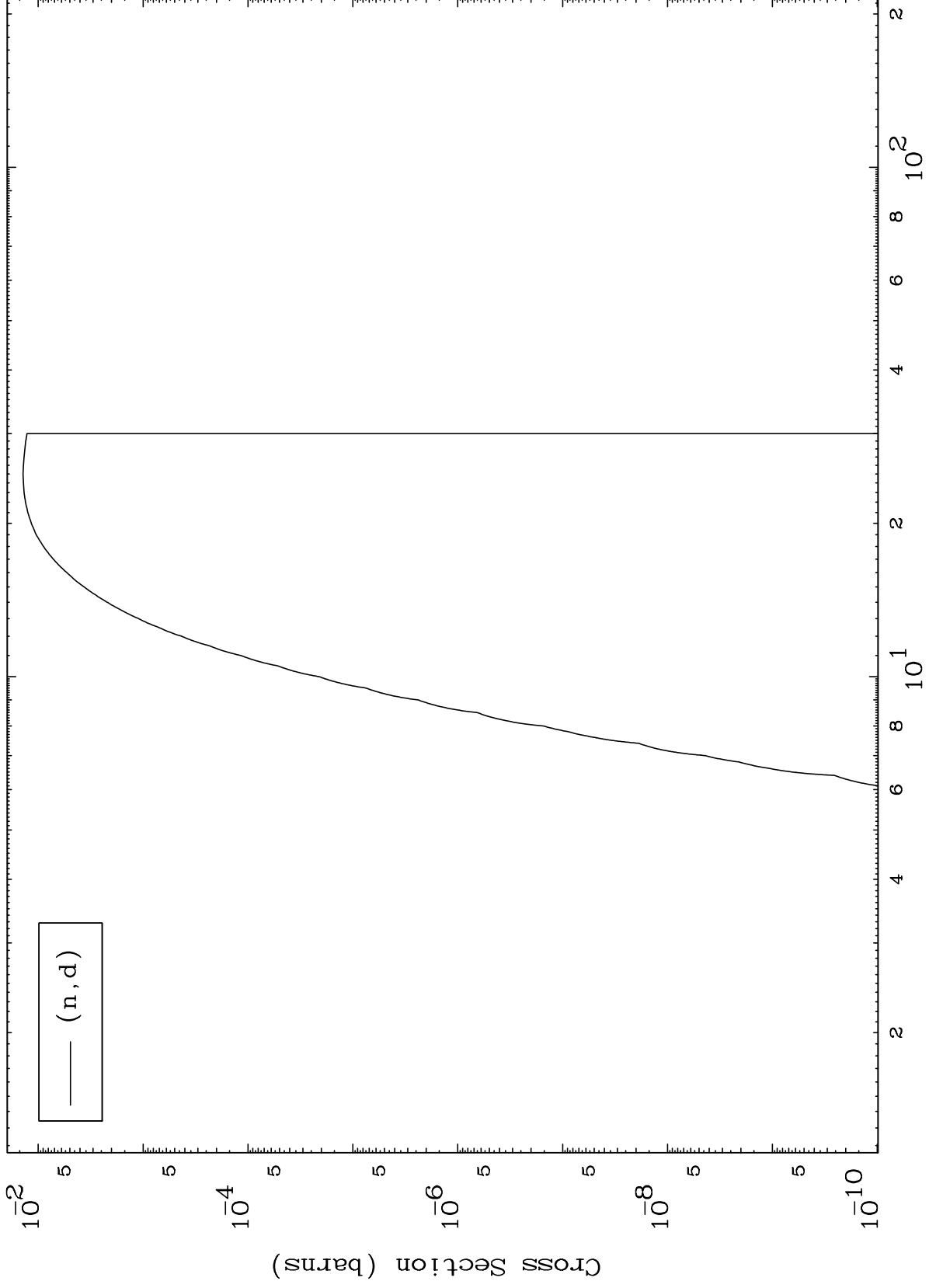
84-Po-211m

Incident Energy (MeV)

MAT 8441

(n,d) Levels  
293 Kelvin Cross Sections

84-Po-211m



12

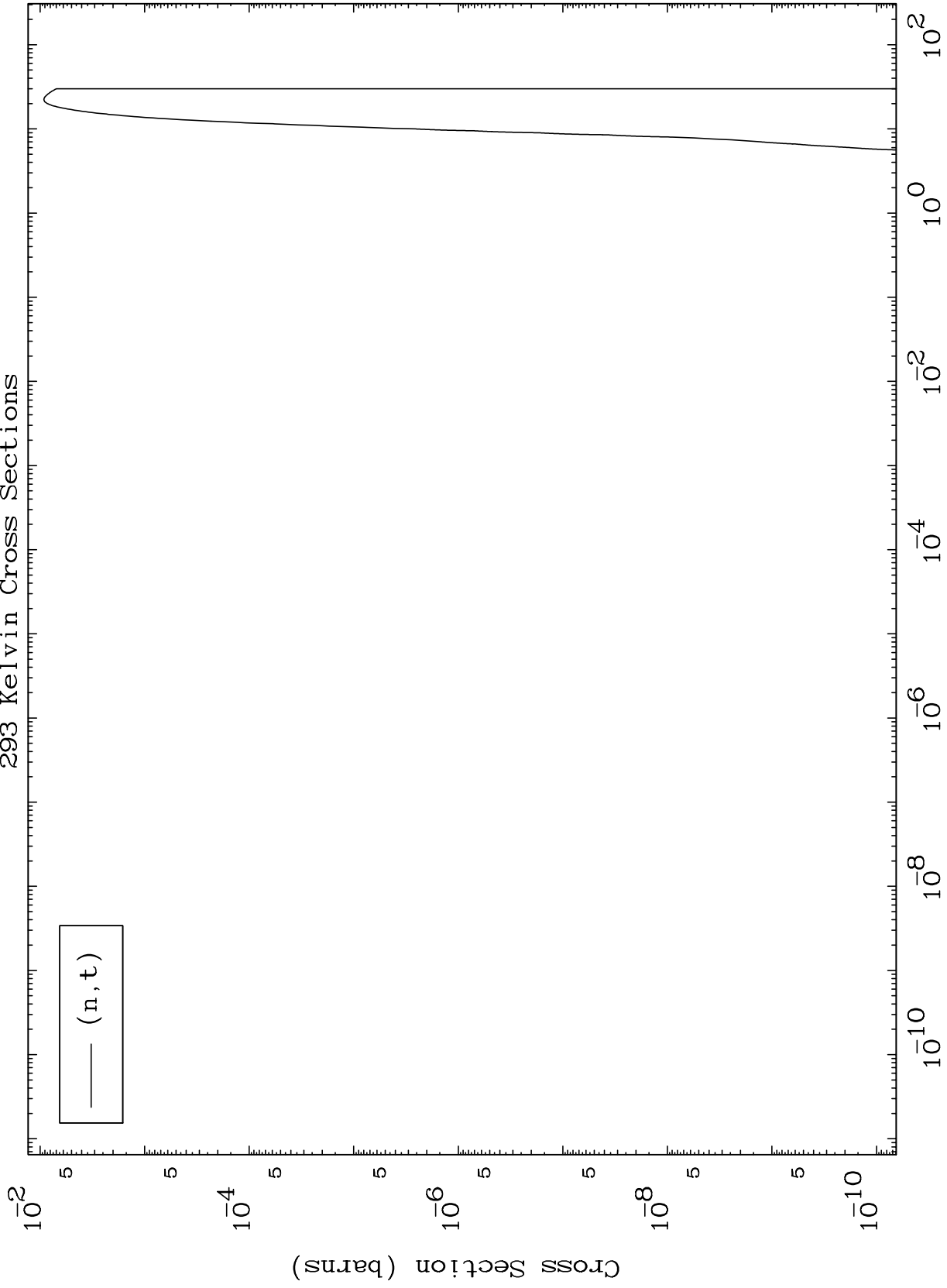
Incident Energy (MeV)

84-Po-211m

MAT 8441

(n,t) Levels  
293 Kelvin Cross Sections

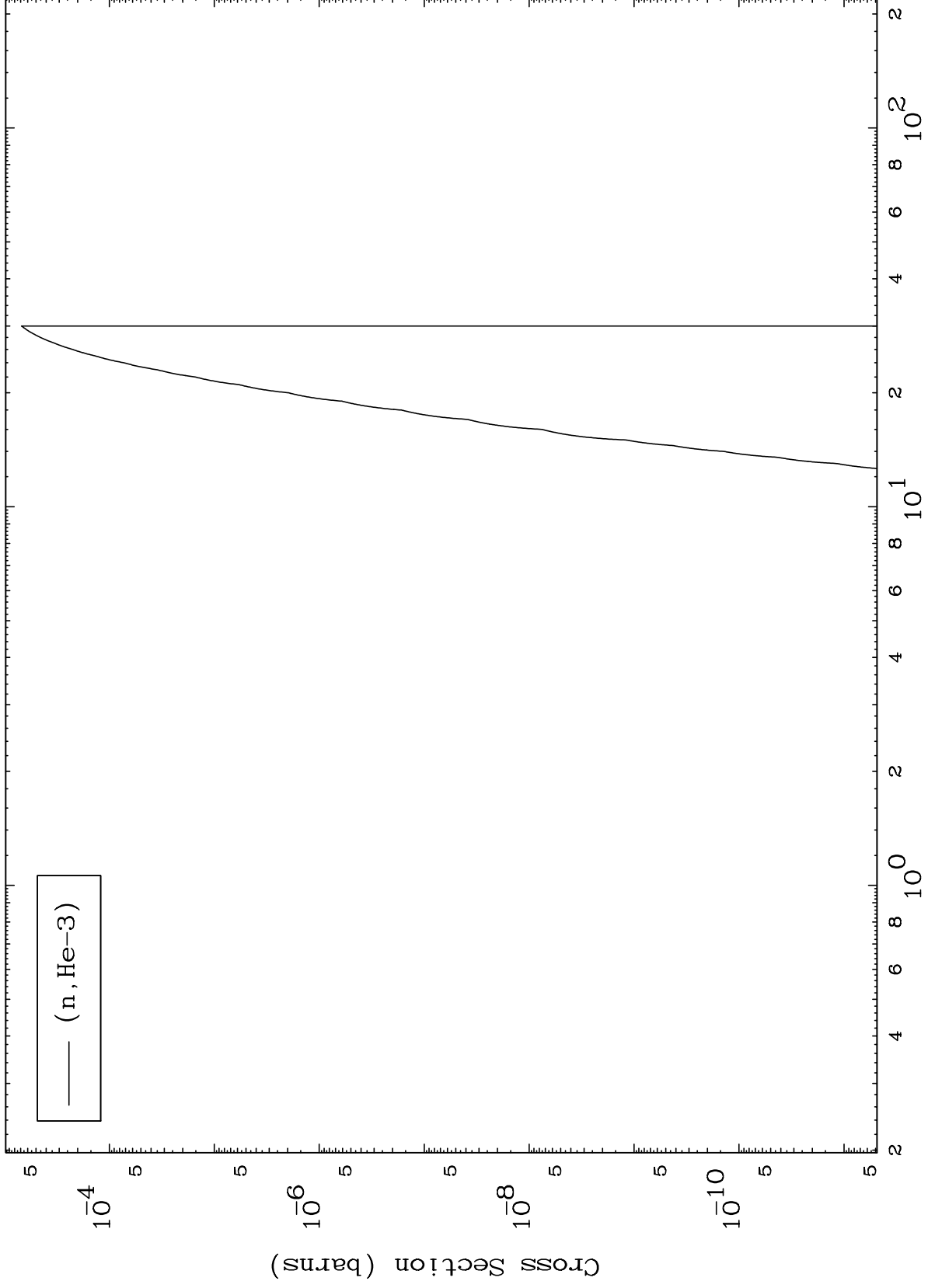
84-Po-211m



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(n,He3) Levels  
293 Kelvin Cross Sections

84-Po-211m



14

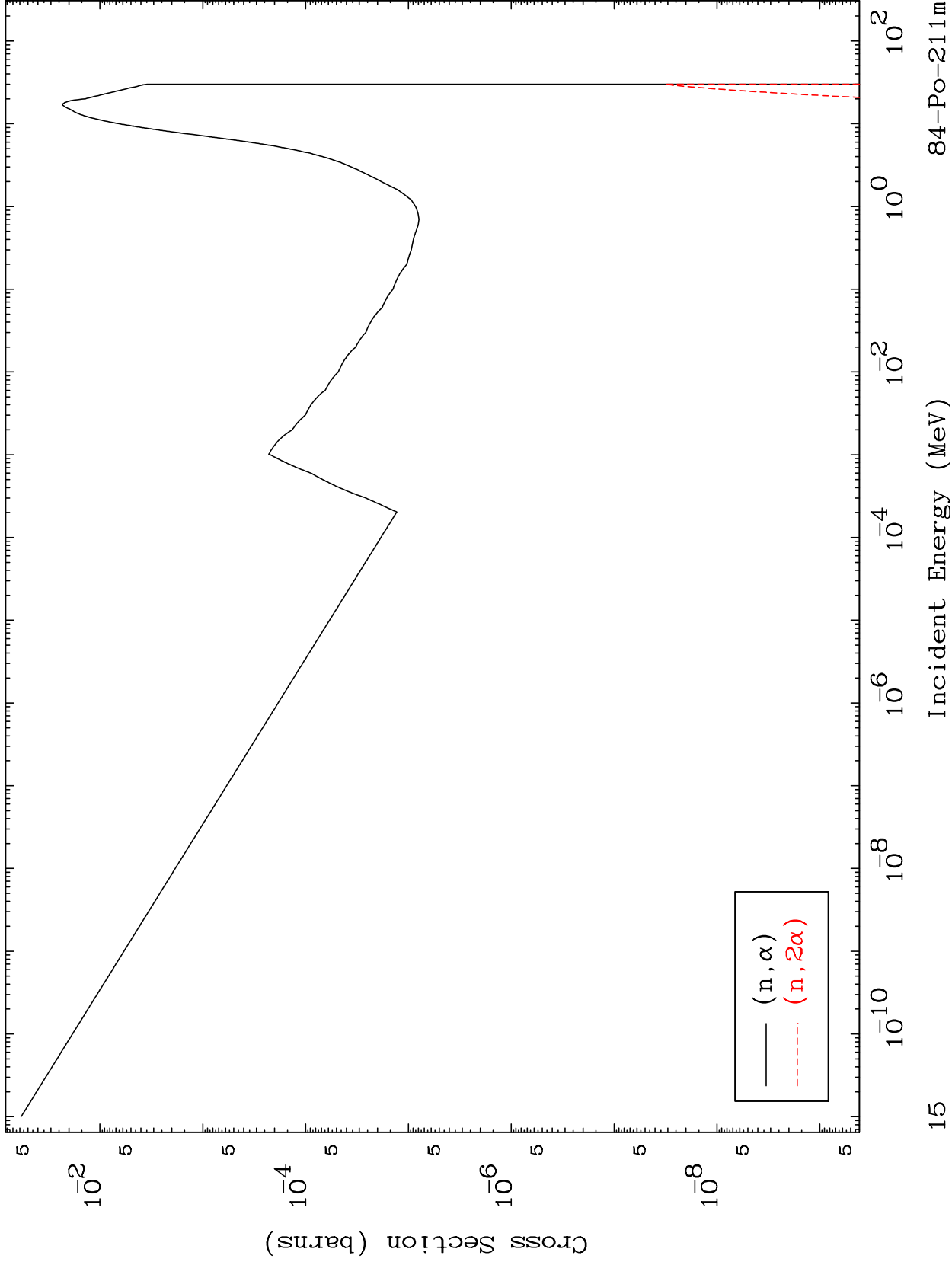
Incident Energy (MeV)

84-Po-211m

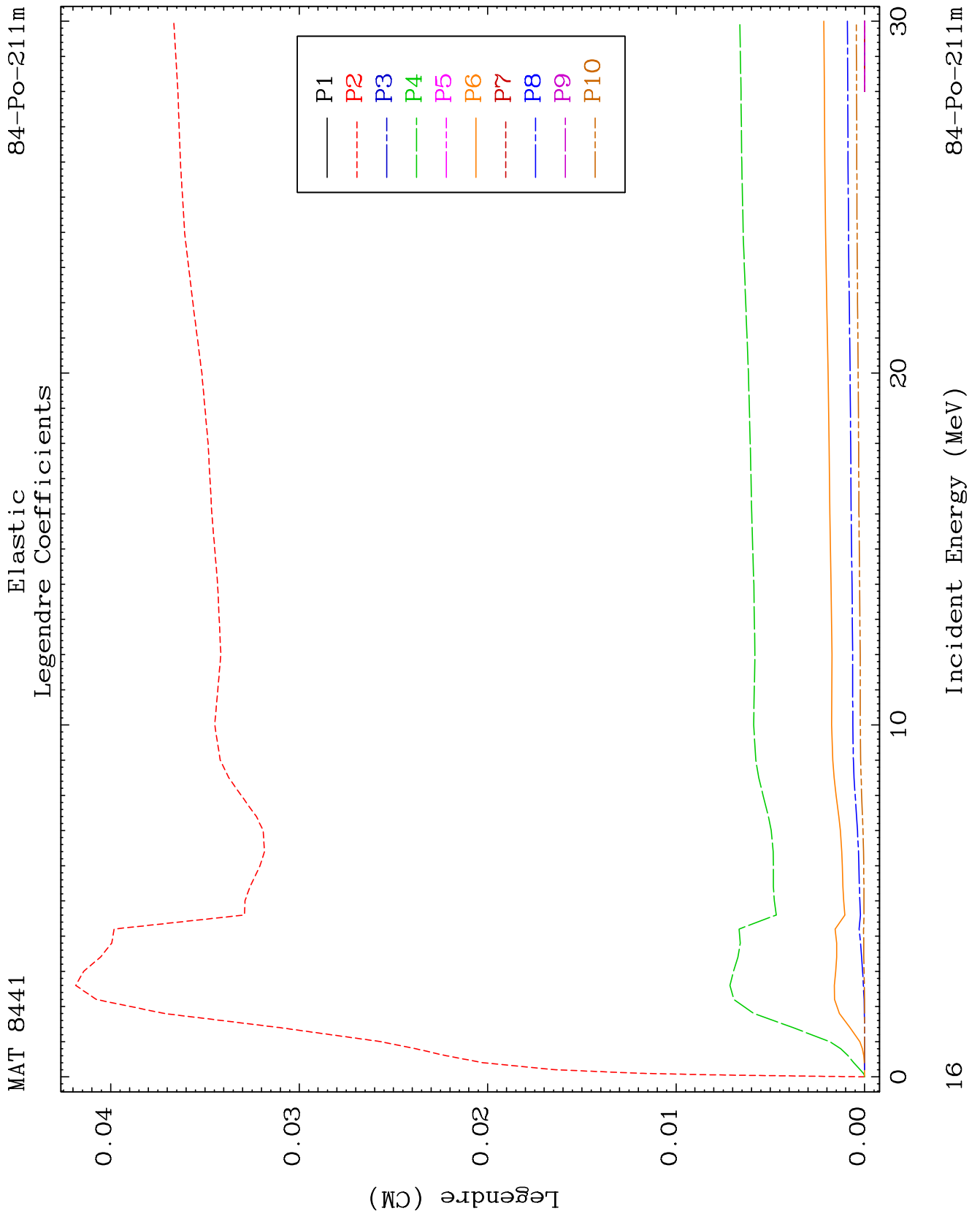
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(n,α) Levels  
293 Kelvin Cross Sections

84-Po-211m





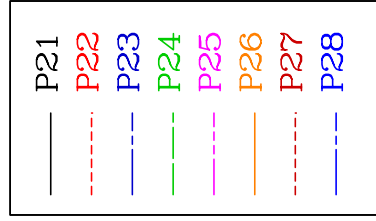




MAT 8441

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

18

Incident Energy (MeV)

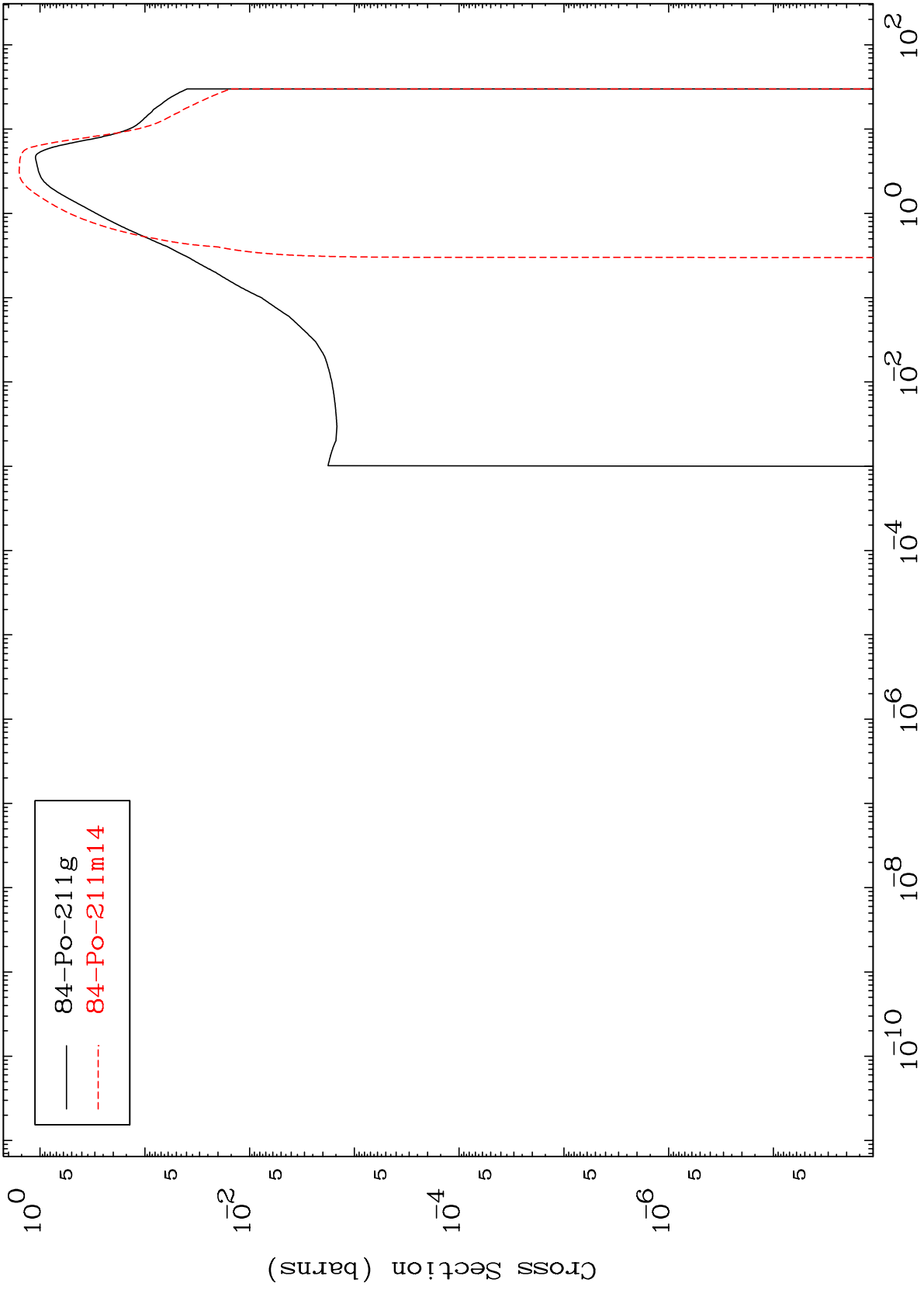
84-Po-211m



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Inelastic  
Radionuclide Production Cross Section

84-Po-211m



84-Po-211g  
84-Po-211m14

84-Po-211m

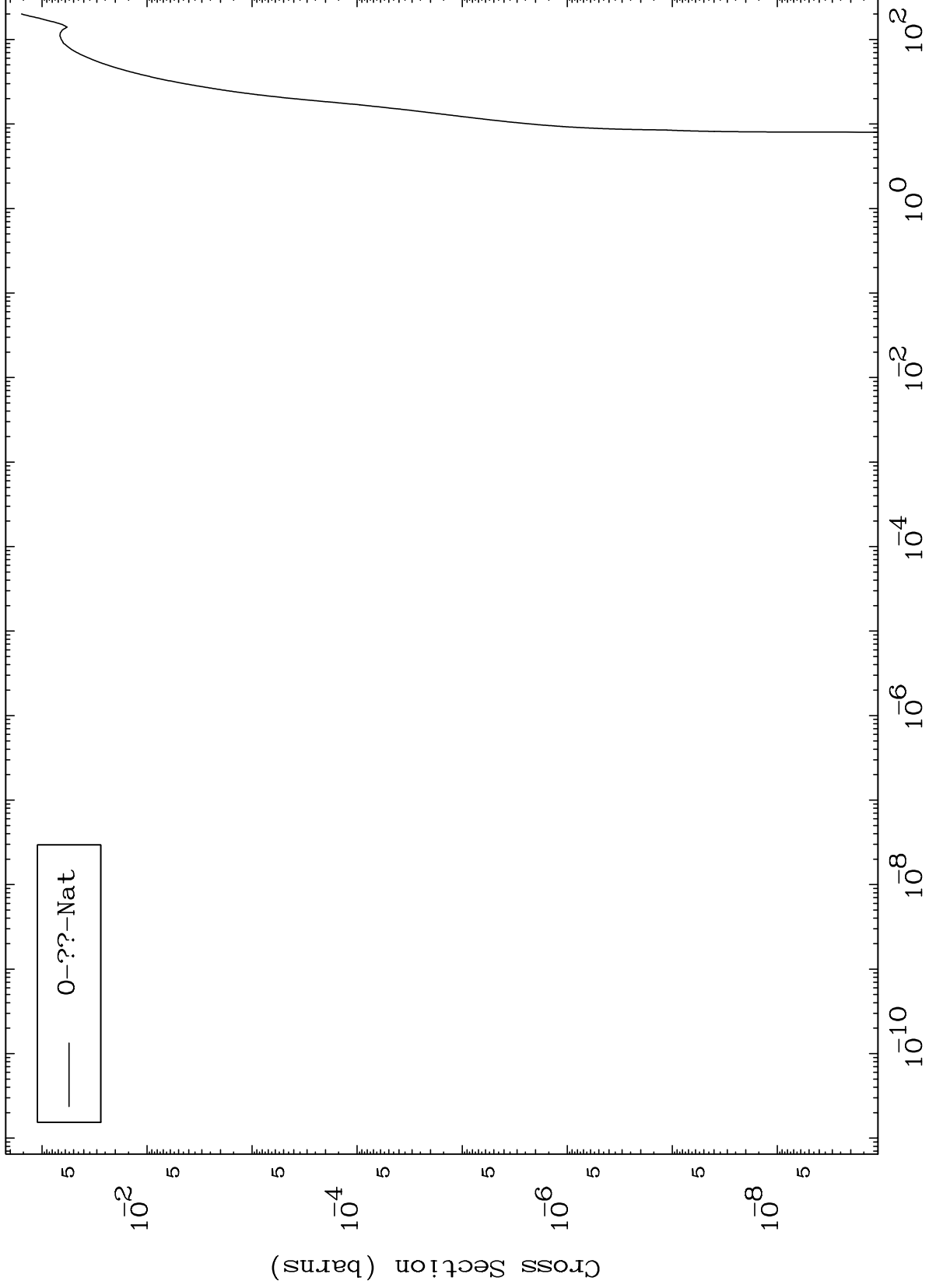
Incident Energy (MeV)

MAT 8441

Fission

84-Po-211m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

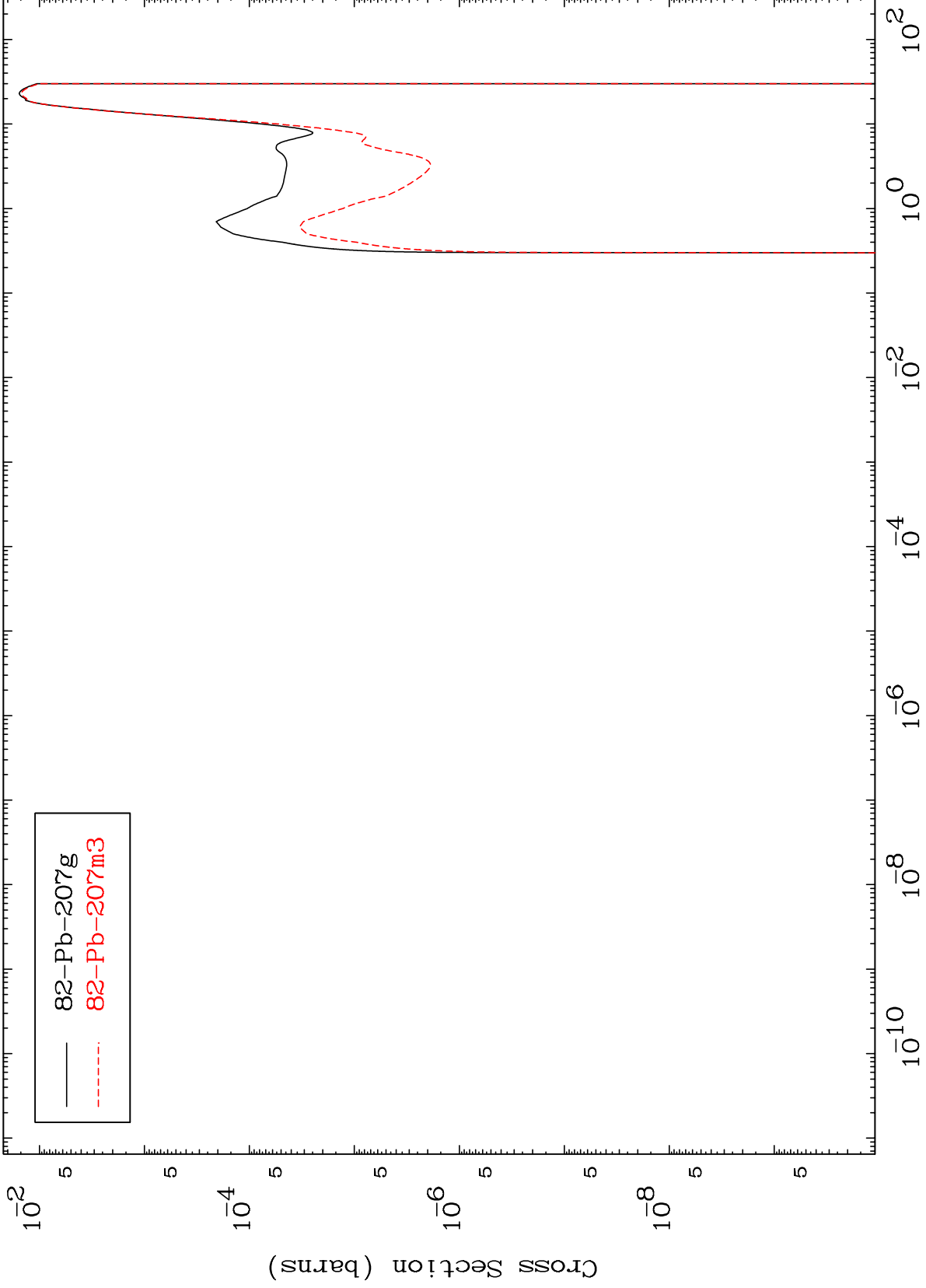
84-Po-211m

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$(n, n') \alpha$

84-Po-211m

Radionuclide Production Cross Section



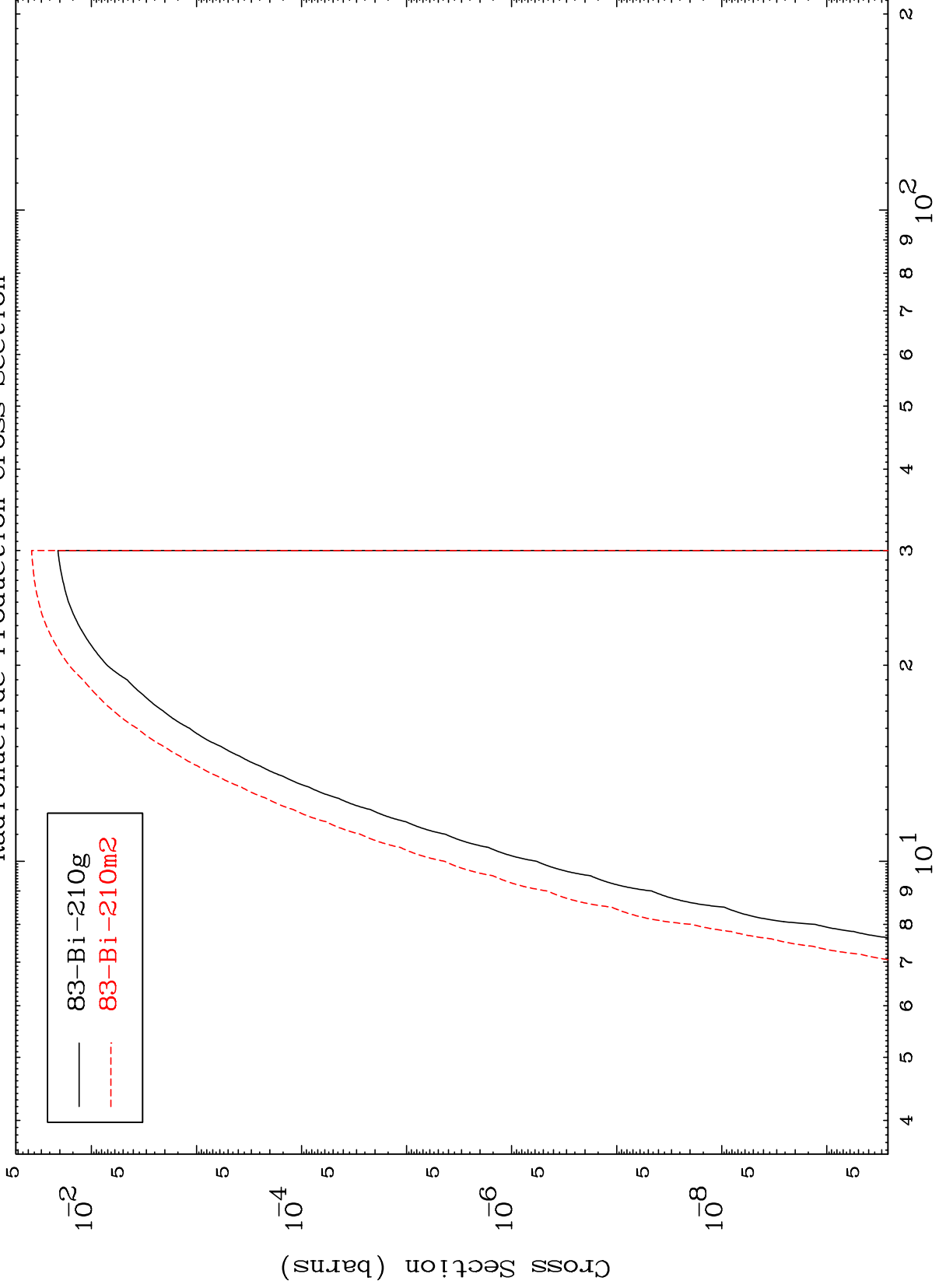
82-Pb-207g  
82-Pb-207m3

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(n,n') p

84-Po-211m

Radionuclide Production Cross Section



22

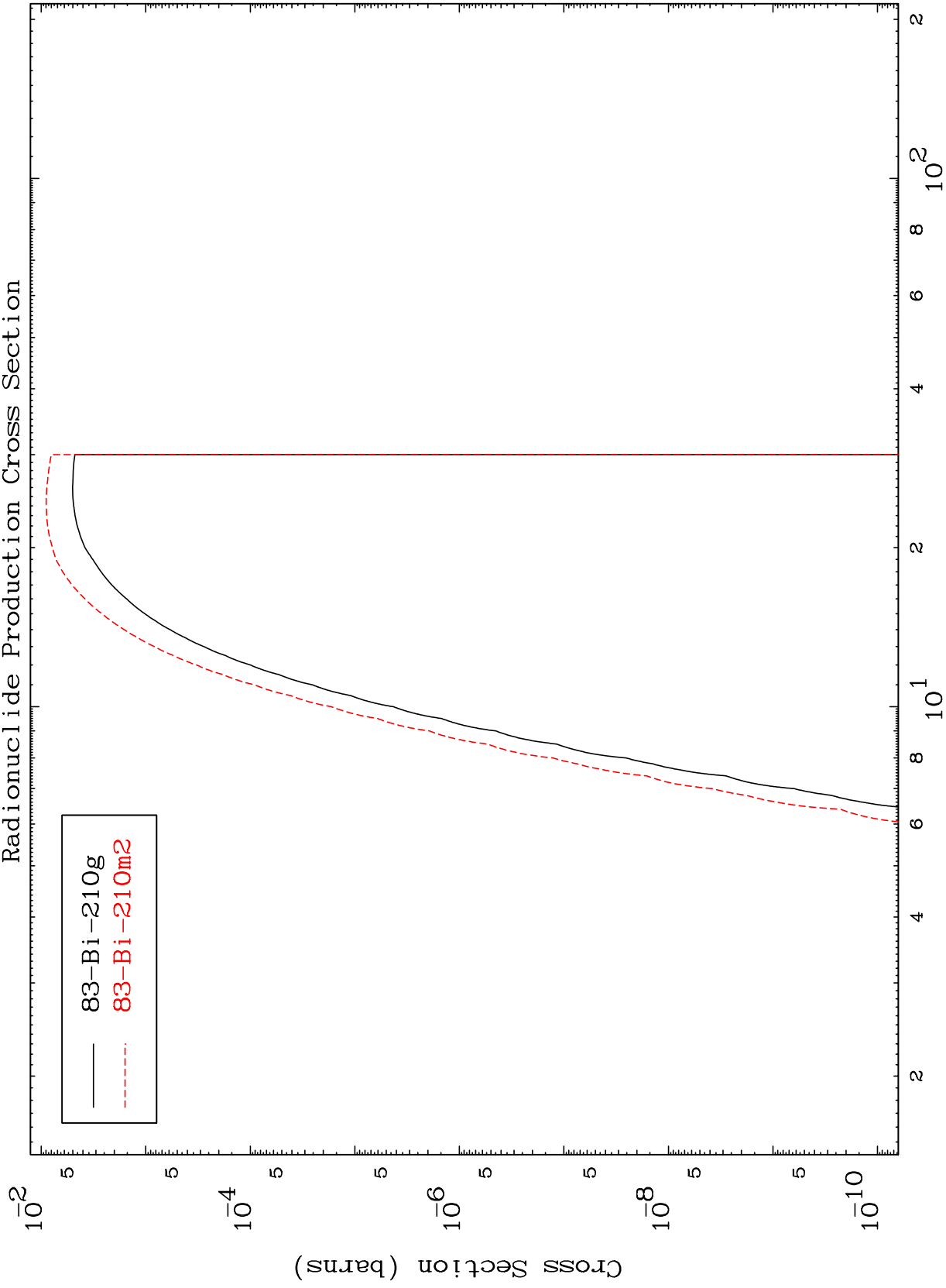
Incident Energy (MeV)

84-Po-211m

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84-Po-211m

(n,d)  
Radionuclide Production Cross Section



23

84-Po-211m

Incident Energy (MeV)

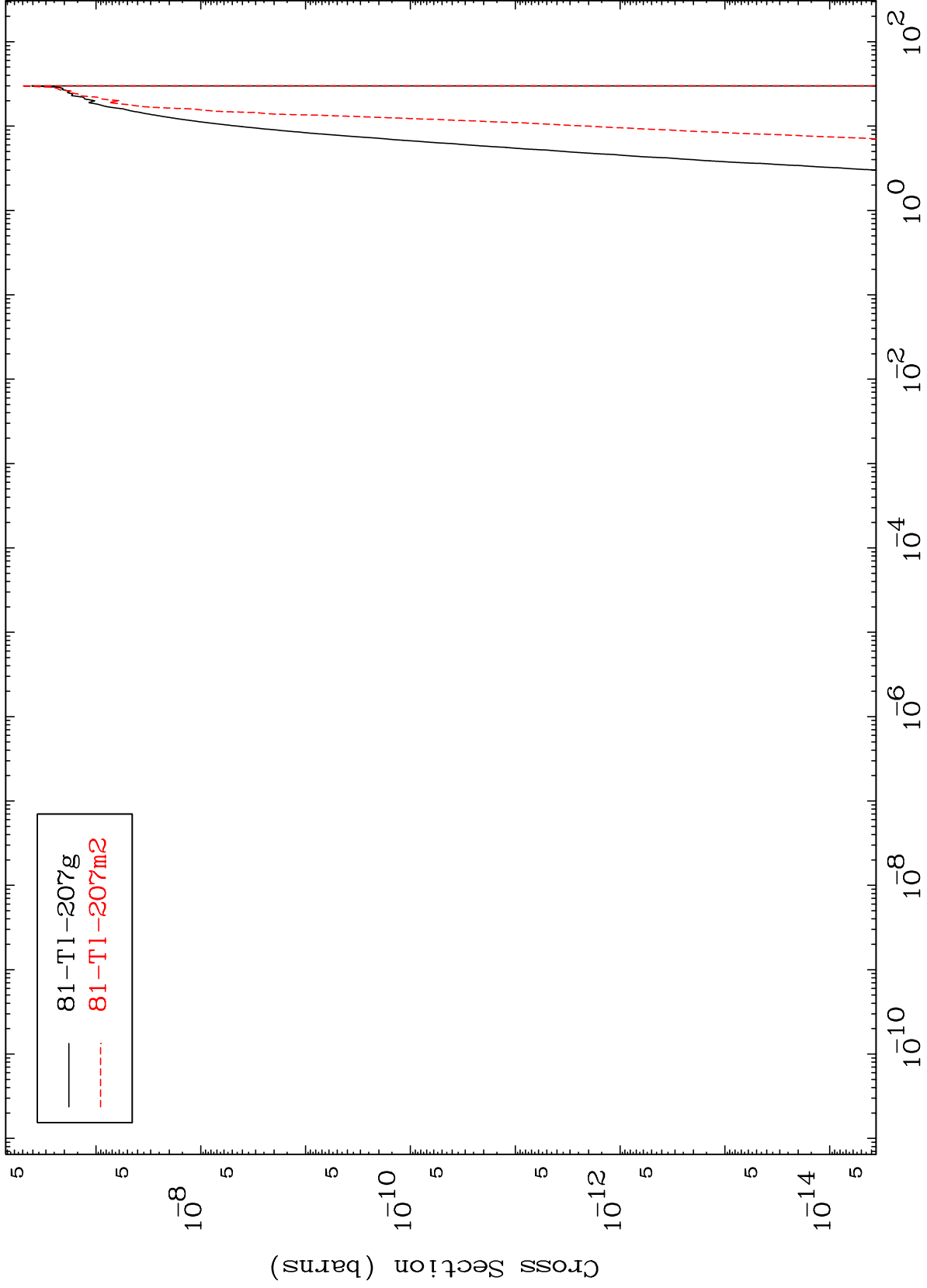


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(n,p)  $\alpha$

84-Po-211m

Radionuclide Production Cross Section



81-Tl-207g  
81-Tl-207m2