

Program EVALPLOT  
(Version 2021-1)

by

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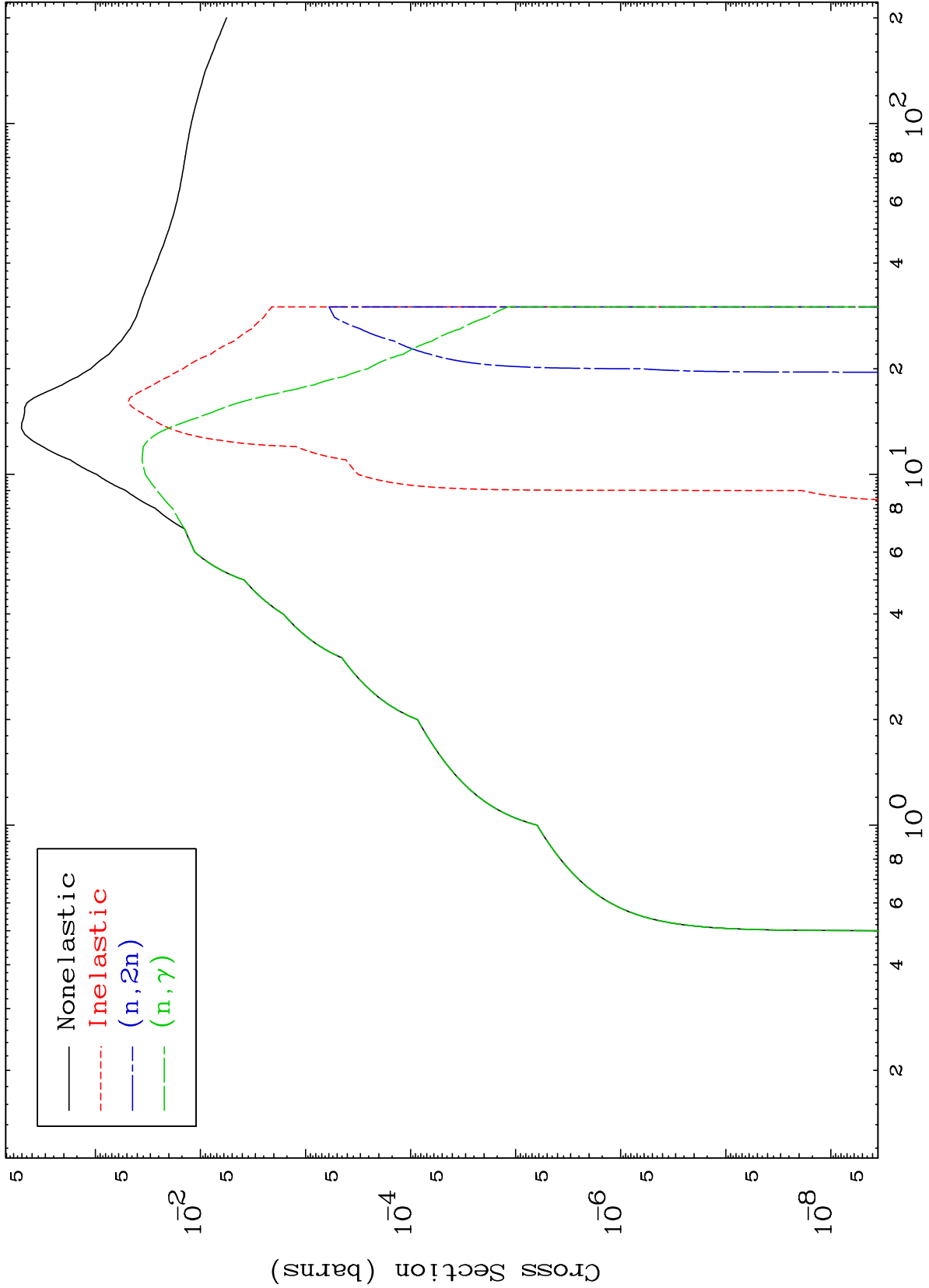
Press Mouse Button to Start

MAT 8175

Photon Major

82-Pb-187m

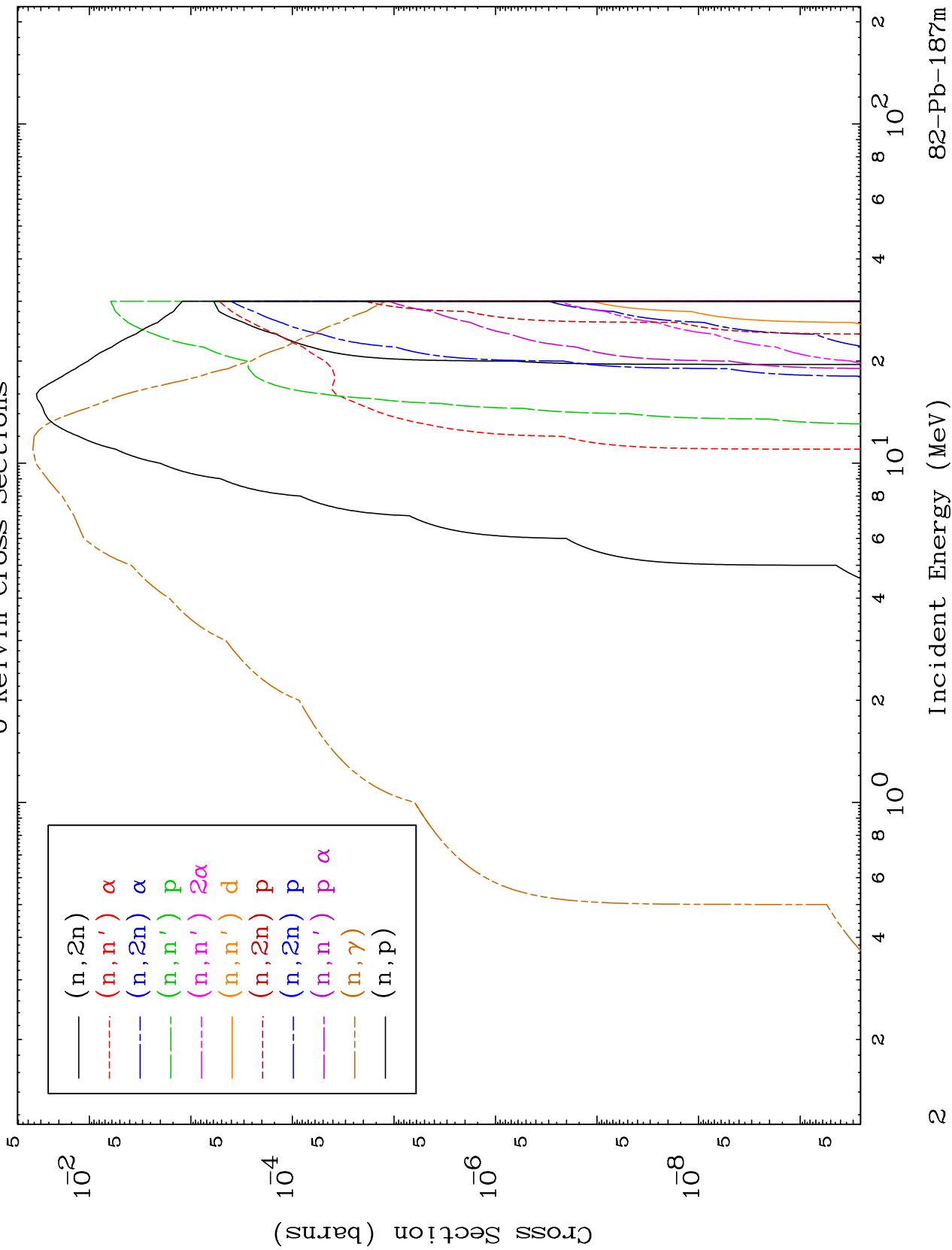
0 Kelvin Cross Sections



MAT 8175

Photon Neutron Absorption  
0 Kelvin Cross Sections

82-Pb-187m



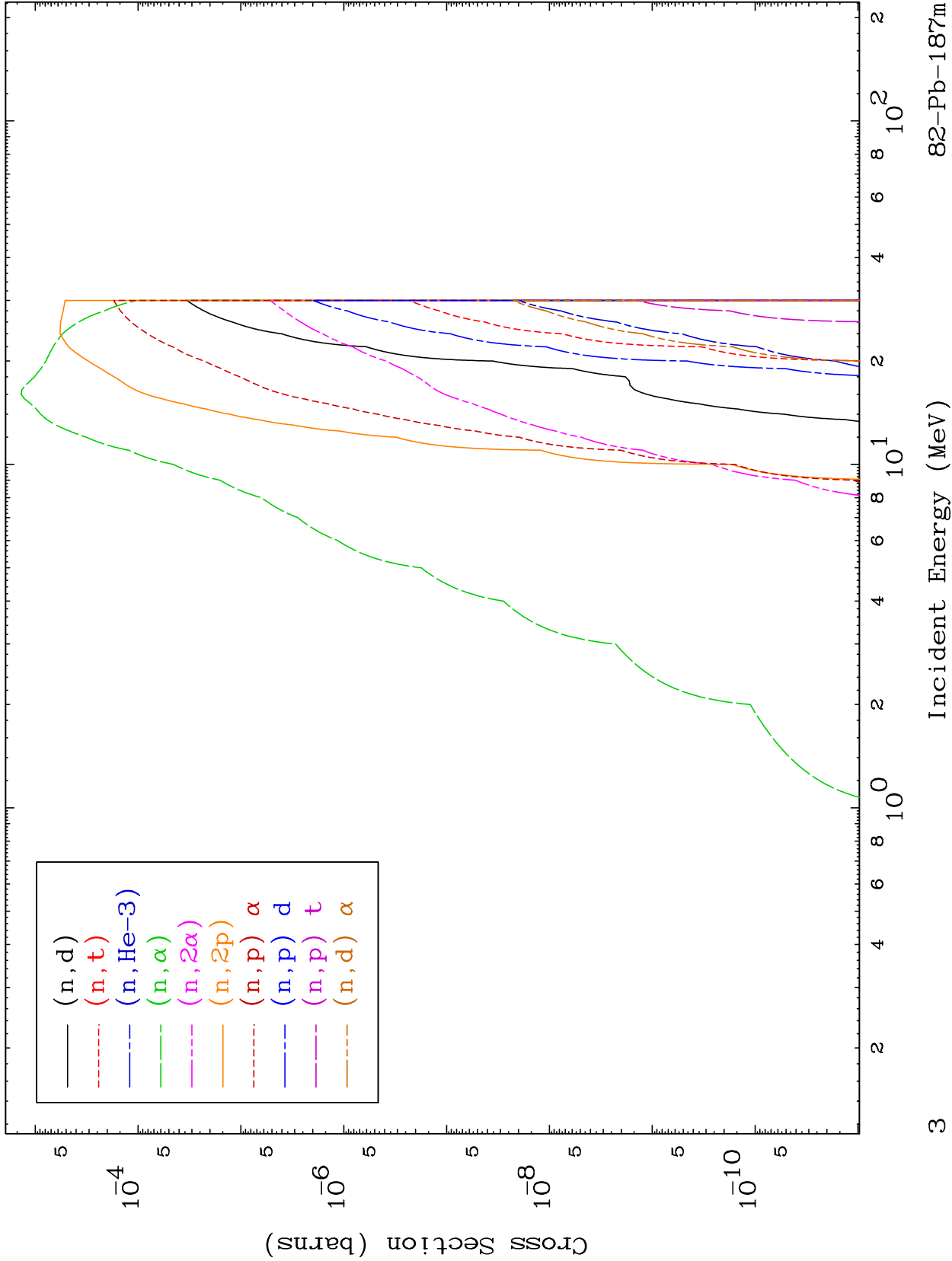
82-Pb-187m

Incident Energy (MeV)

MAT 8175

Photon Neutron Absorption  
0 Kelvin Cross Sections

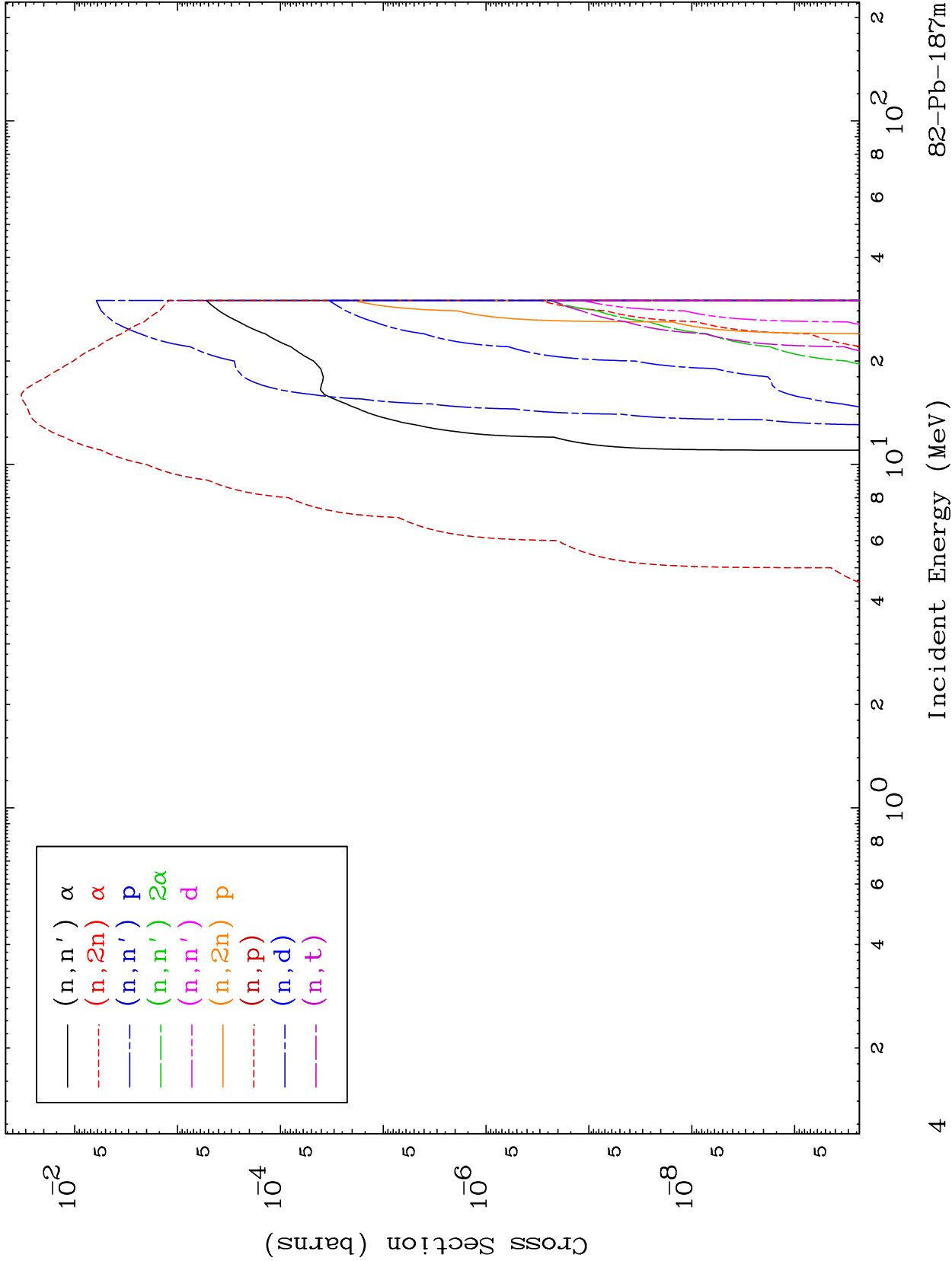
82-Pb-187m



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Photon Charged Particle  
0 Kelvin Cross Sections

82-Pb-187m

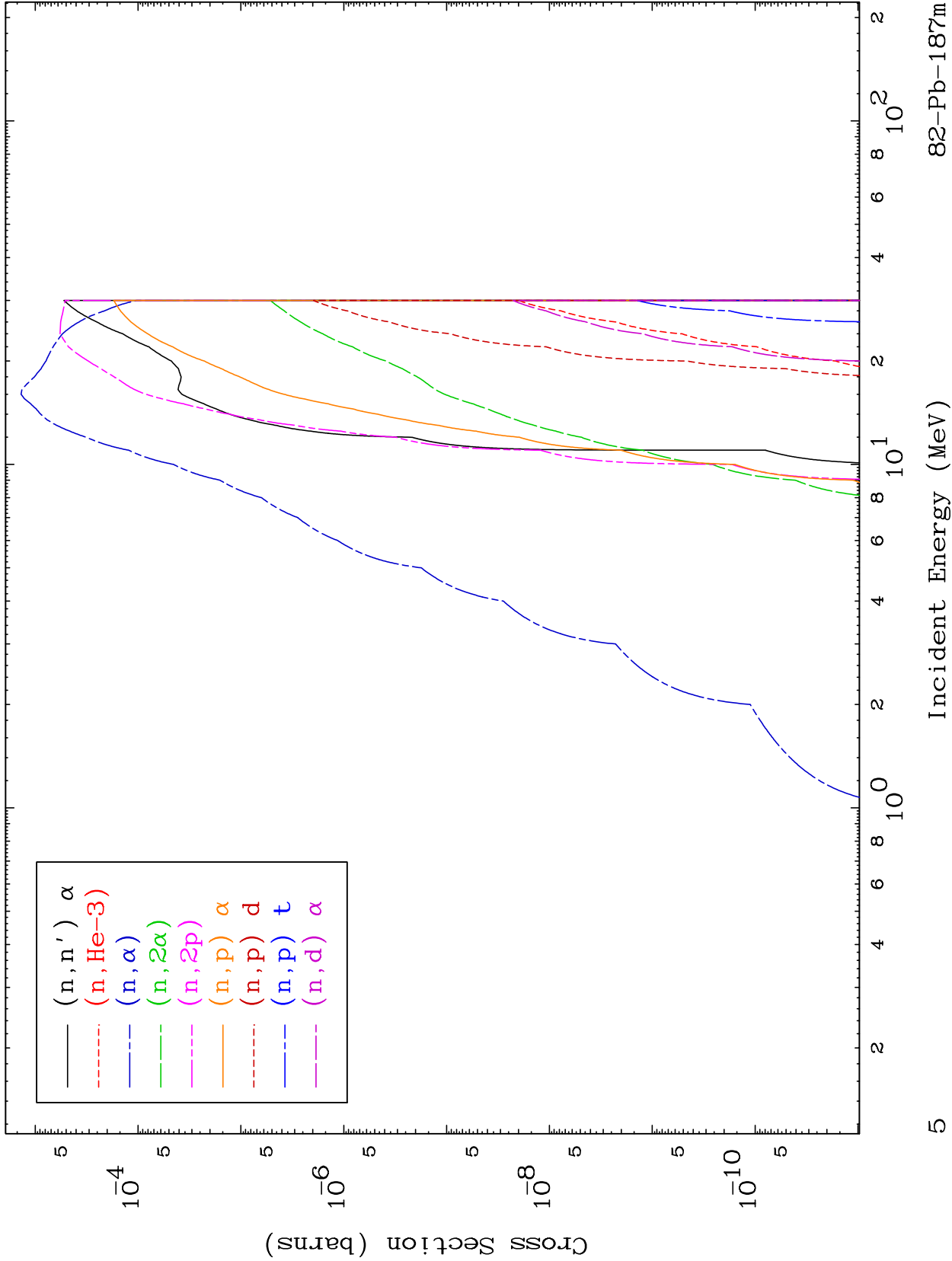


82-Pb-187m

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Photon Charged Particle  
0 Kelvin Cross Sections

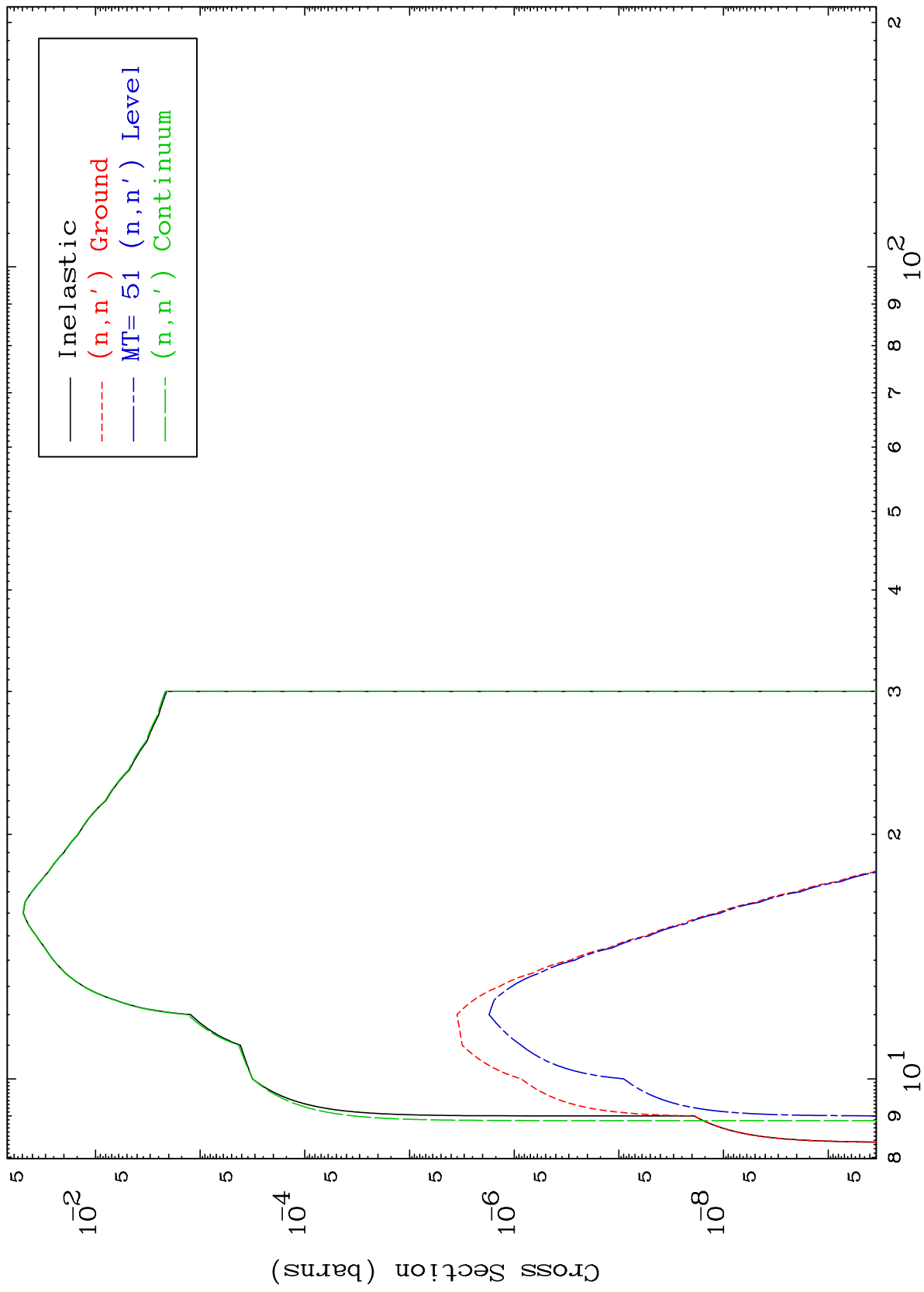
82-Pb-187m



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82-Pb-187m

( $\gamma, n'$ ) Levels  
0 Kelvin Cross Sections



82-Pb-187m

Incident Energy (MeV)

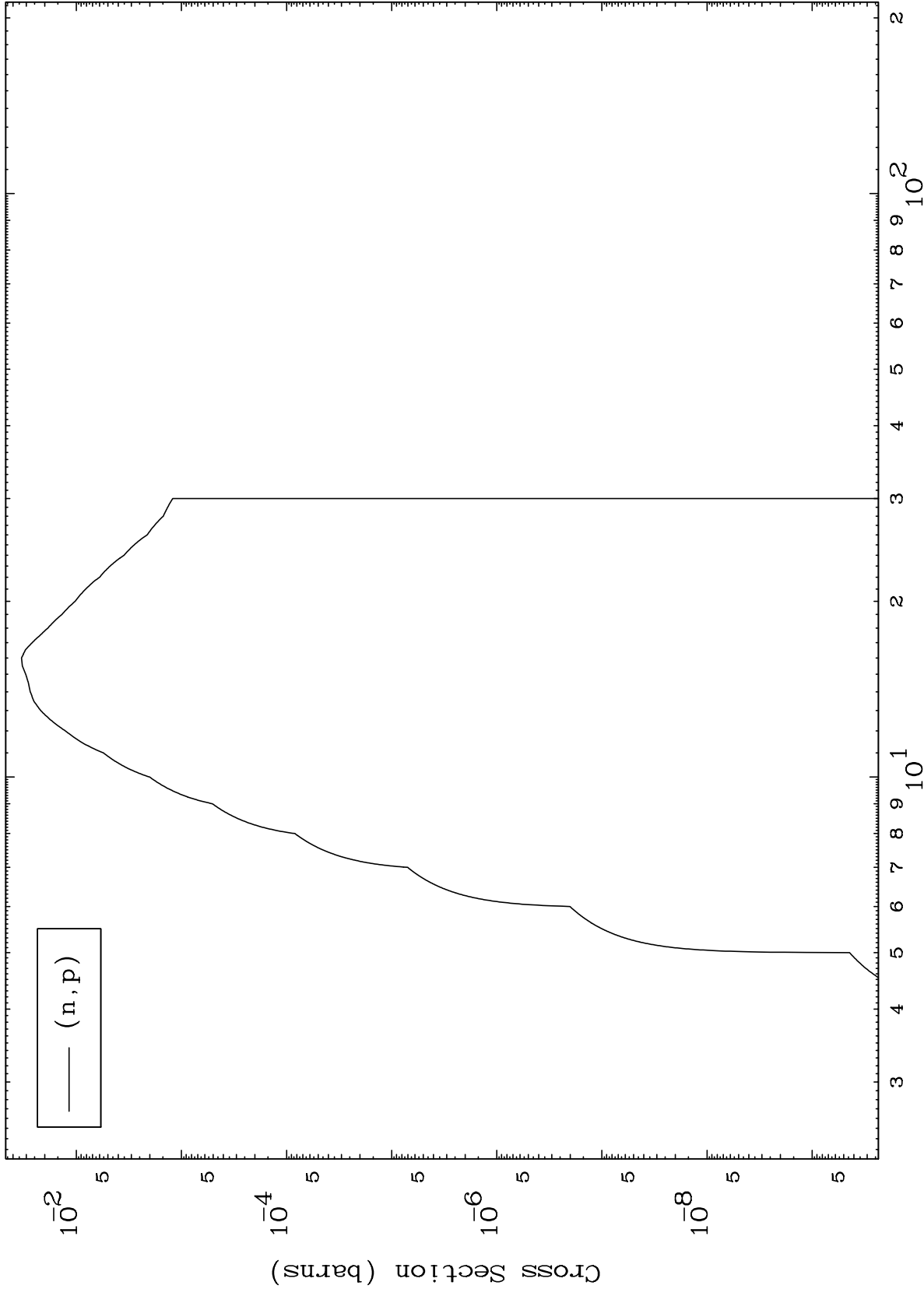
6

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( $\gamma, p$ ) Levels

82-Pb-187m

0 Kelvin Cross Sections



7

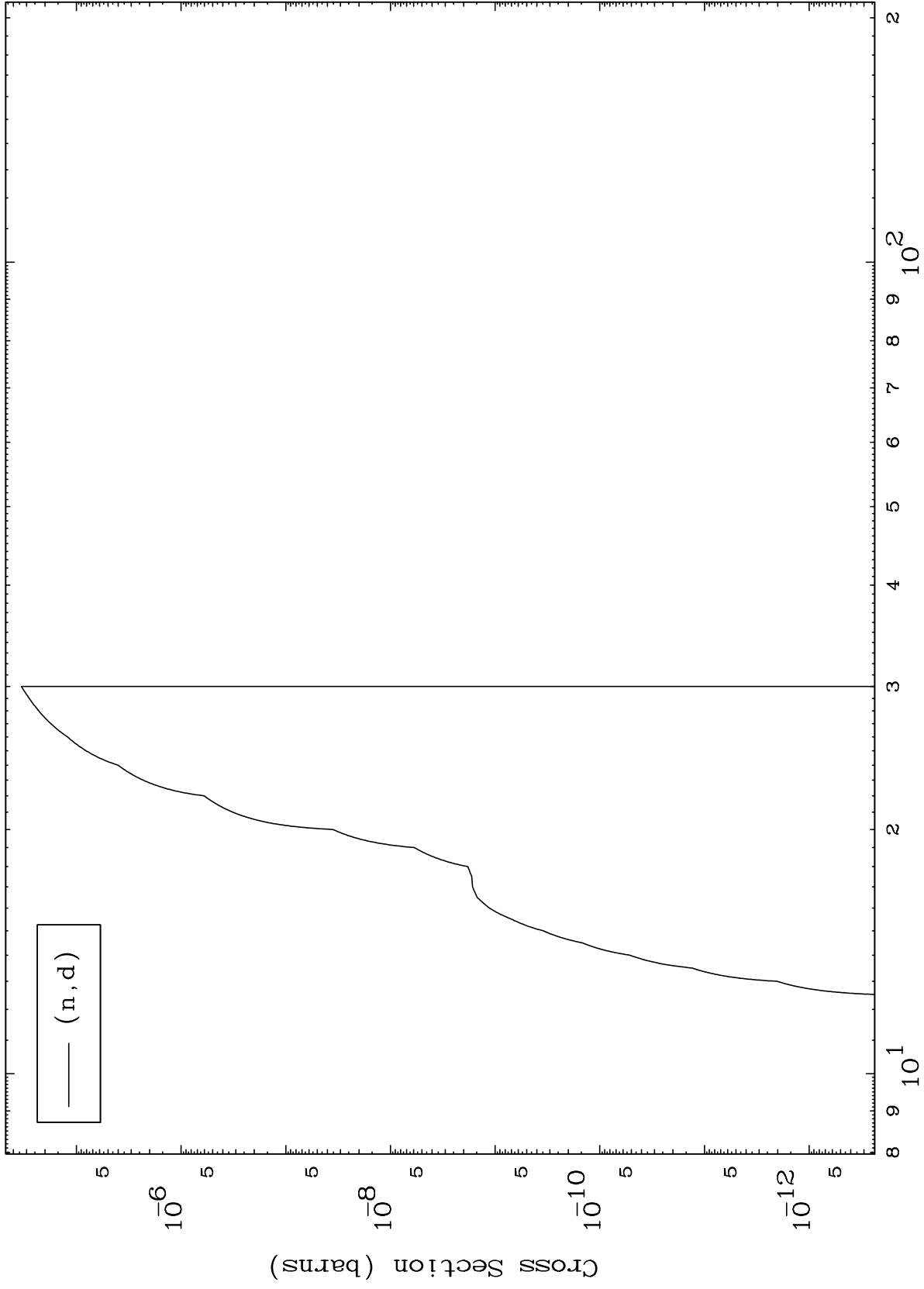
Incident Energy (MeV)

82-Pb-187m

MAT 8175

( $\gamma, d$ ) Levels  
0 Kelvin Cross Sections

$^{82}\text{Pb}-187\text{m}$



8

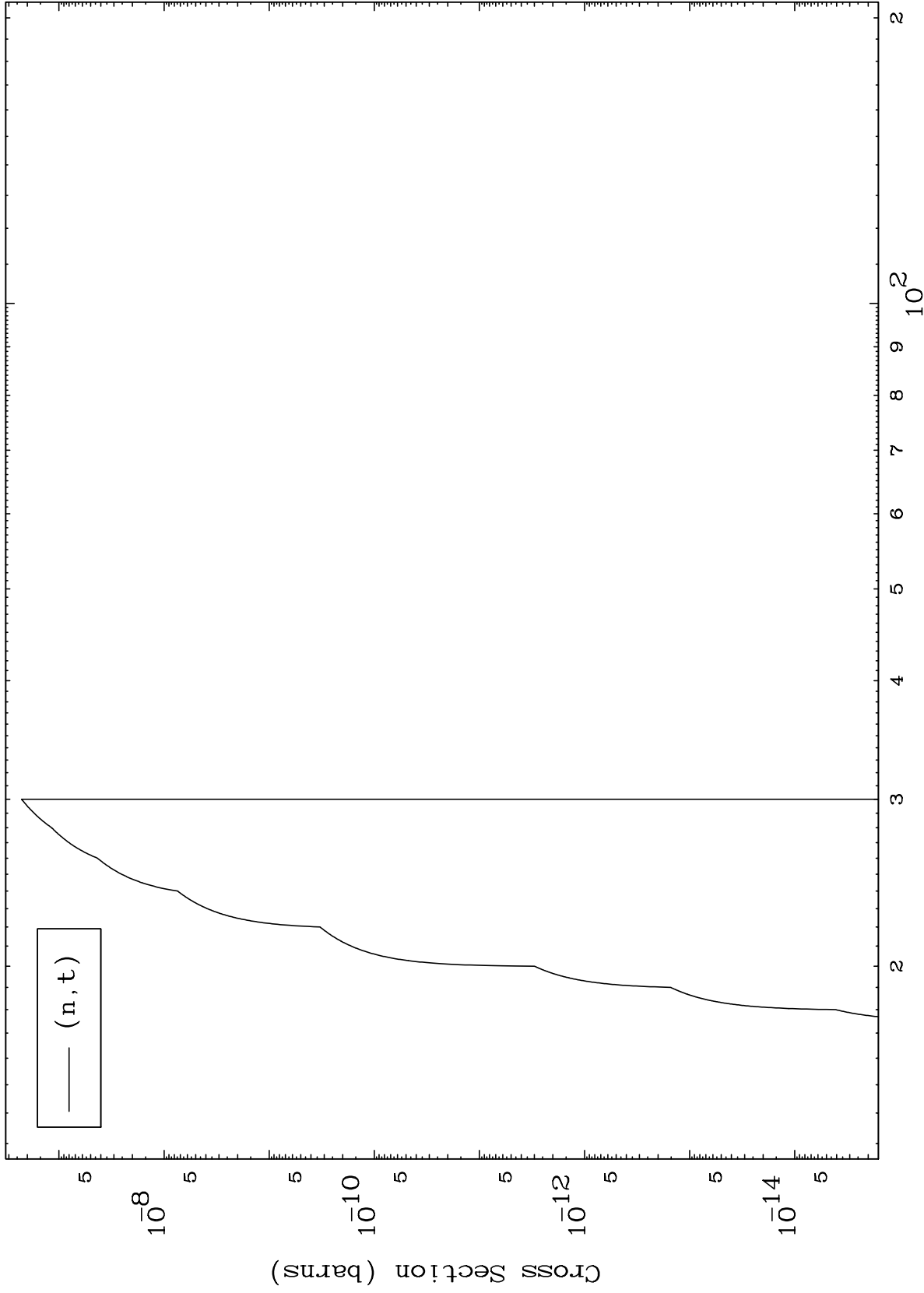
Incident Energy (MeV)

$^{82}\text{Pb}-187\text{m}$

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( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

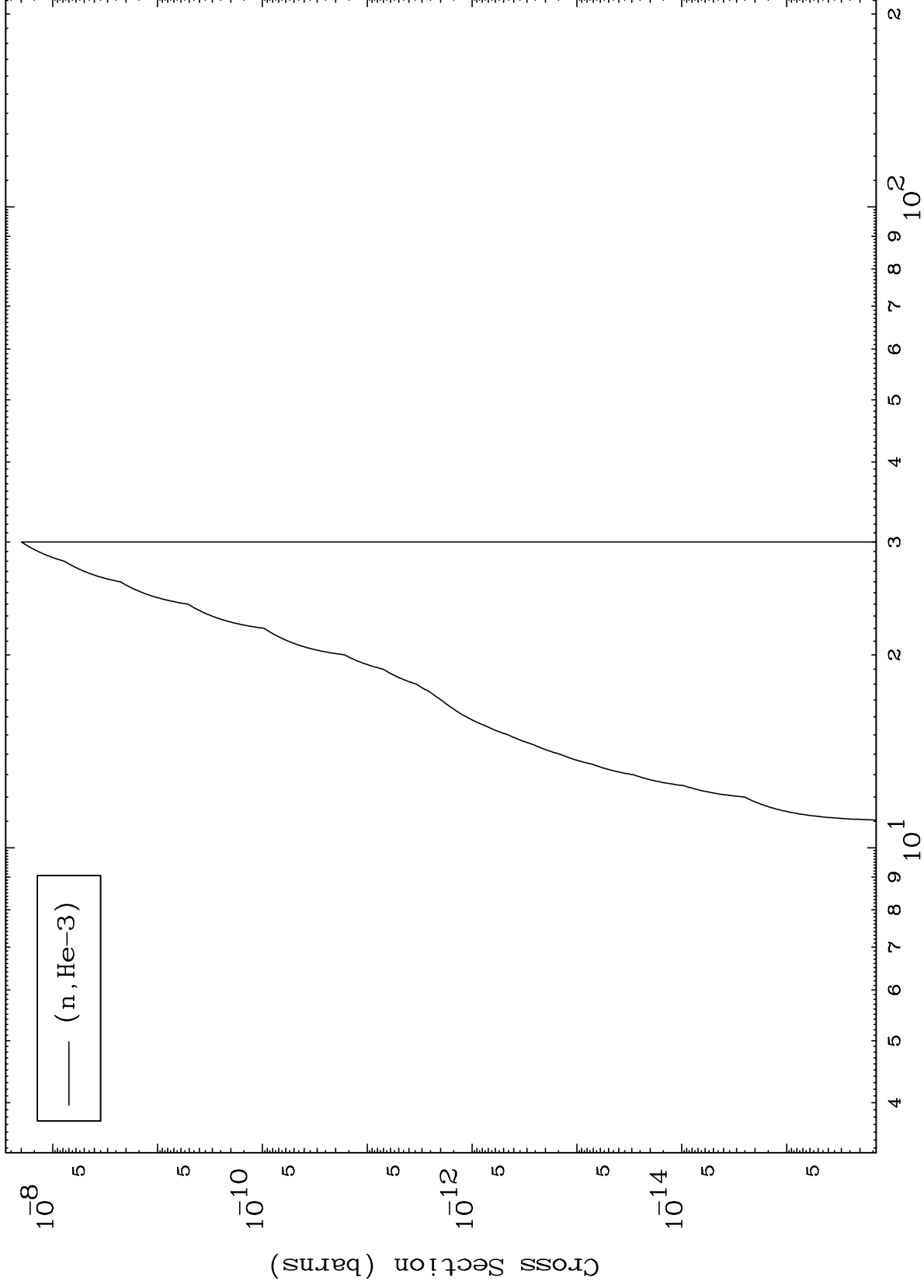
82-Pb-187m



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( $\gamma, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

82-Pb-187m



10

Incident Energy (MeV)

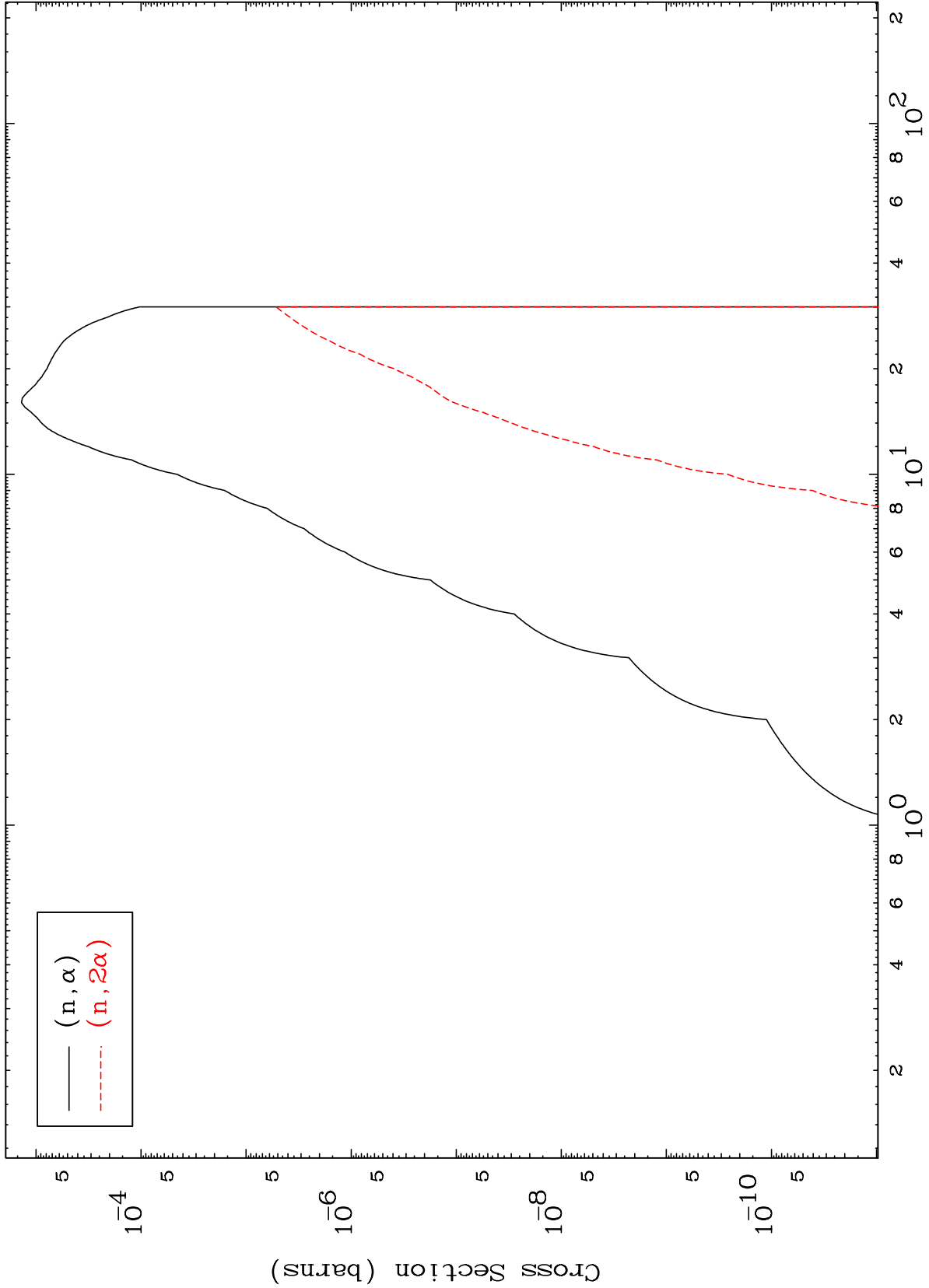
82-Pb-187m

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( $\gamma, \alpha$ ) Levels

82-Pb-187m

0 Kelvin Cross Sections

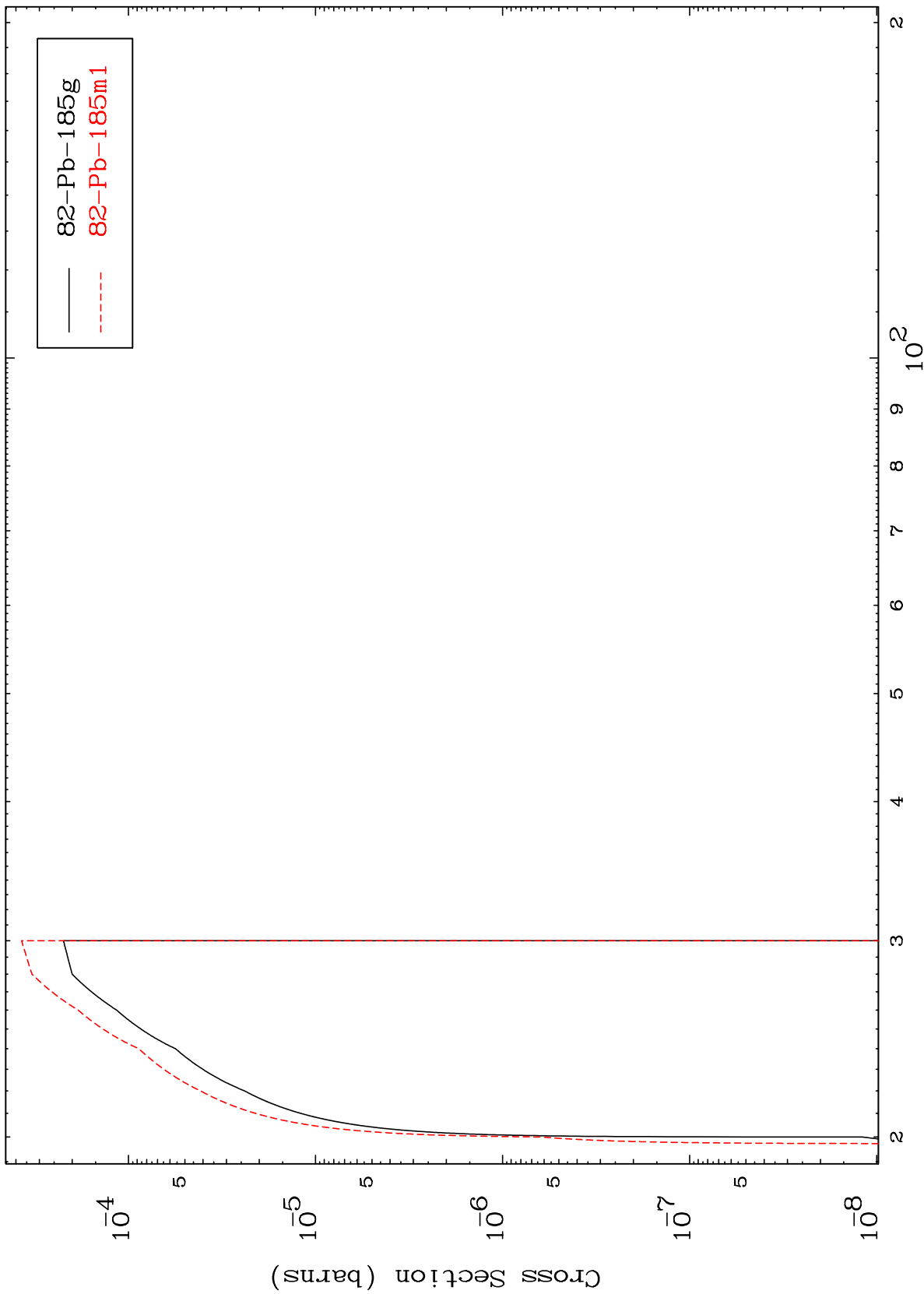


— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

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82-Pb-187m

(n,2n)  
Radionuclide Production Cross Section



82-Pb-187m

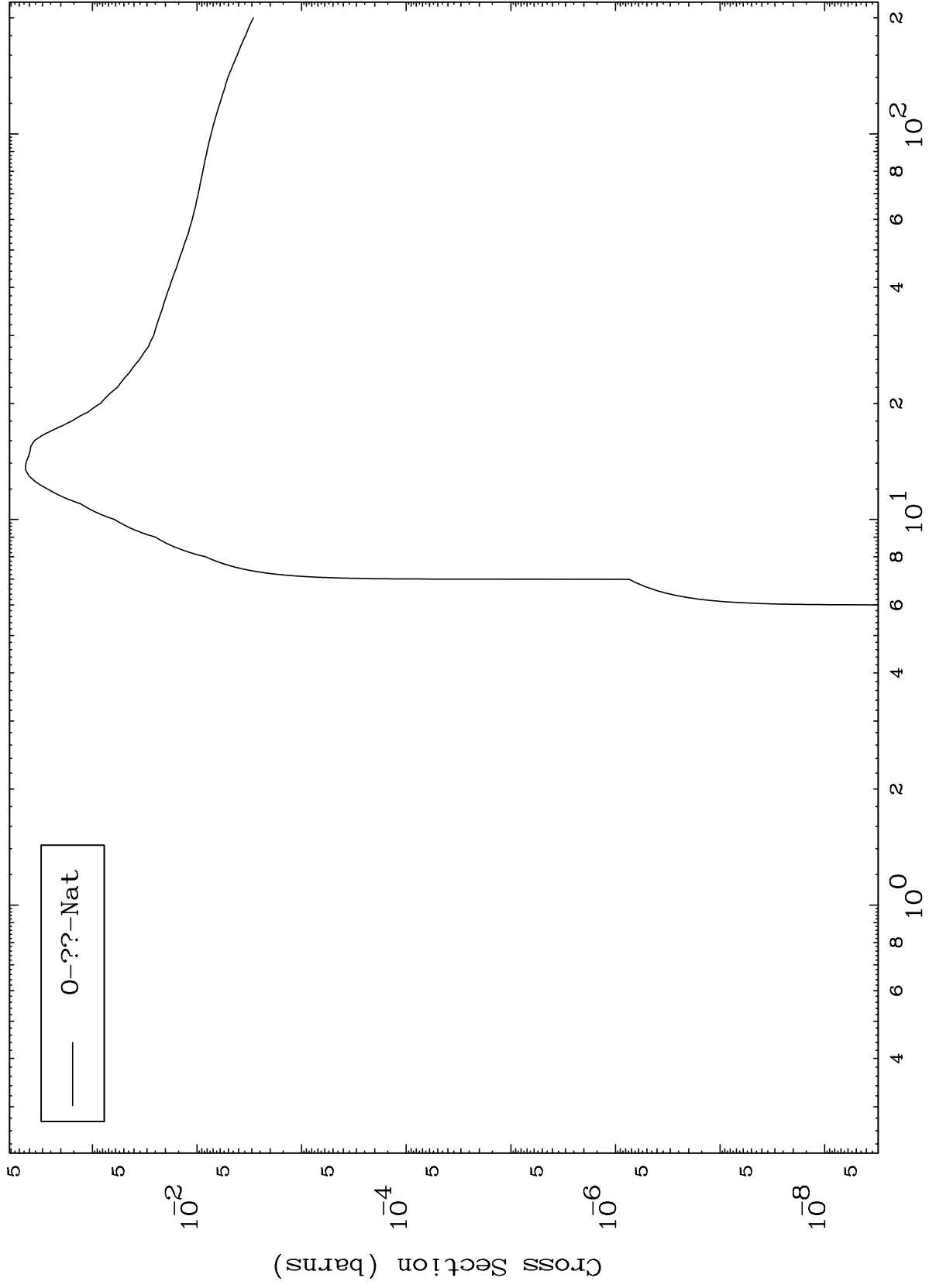
Incident Energy (MeV)

12

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Fission  
Radionuclide Production Cross Section

<sup>82</sup>Pb-187m

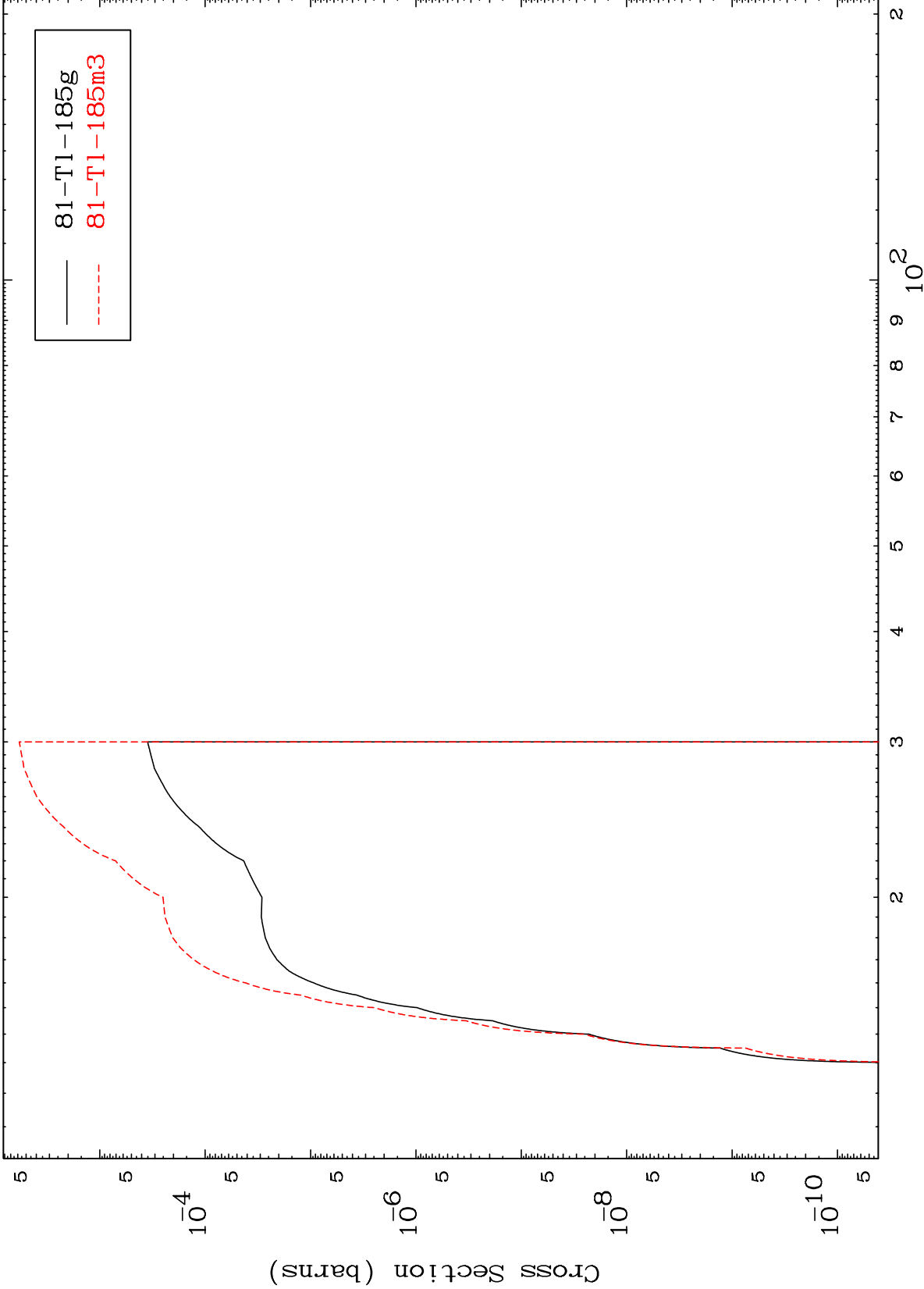


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(n,n') p

82-Pb-187m

Radionuclide Production Cross Section



14

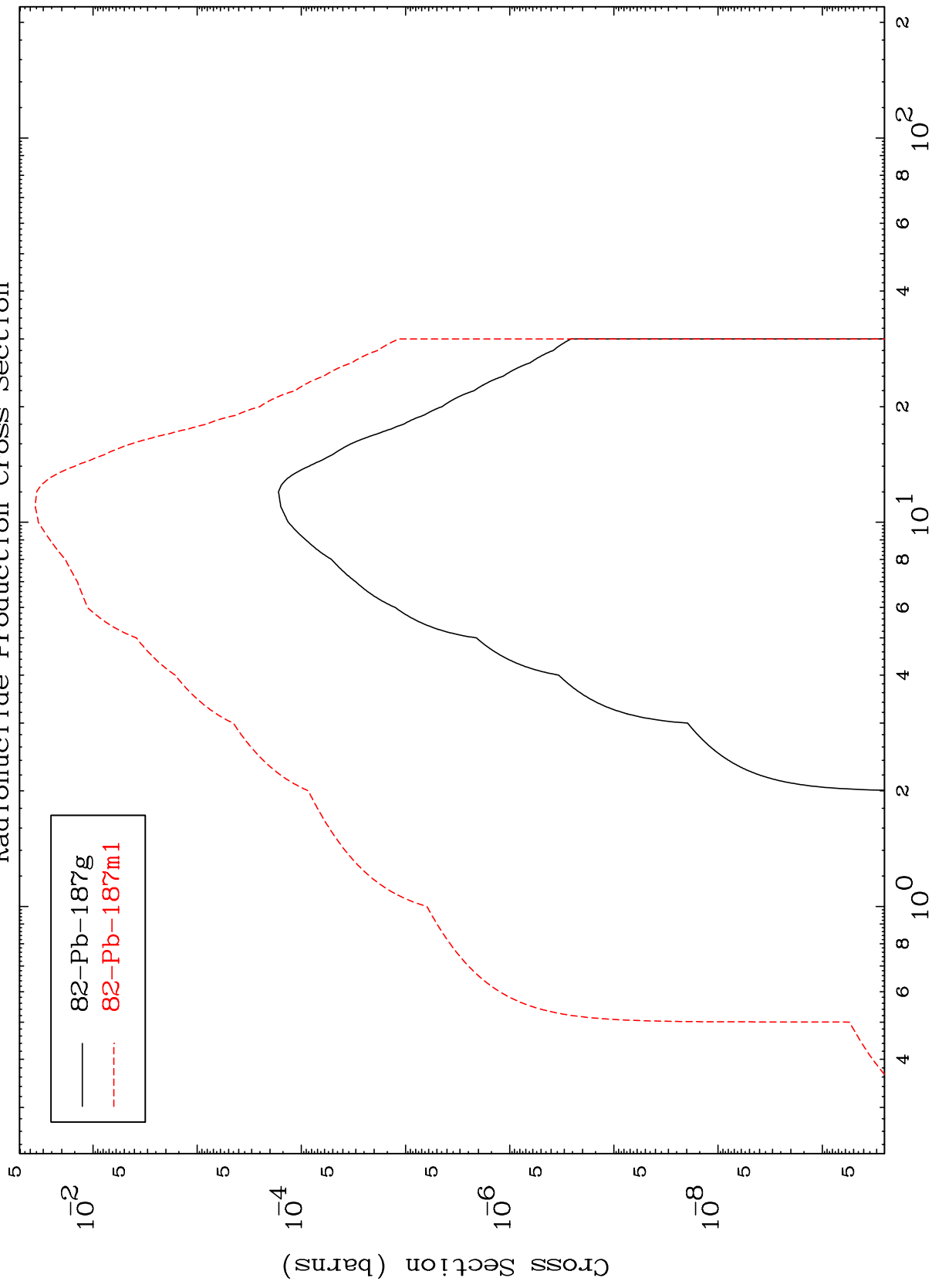
Incident Energy (MeV)

82-Pb-187m

MAT 8175

$^{82}\text{Pb-187m}$

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



Incident Energy (MeV)

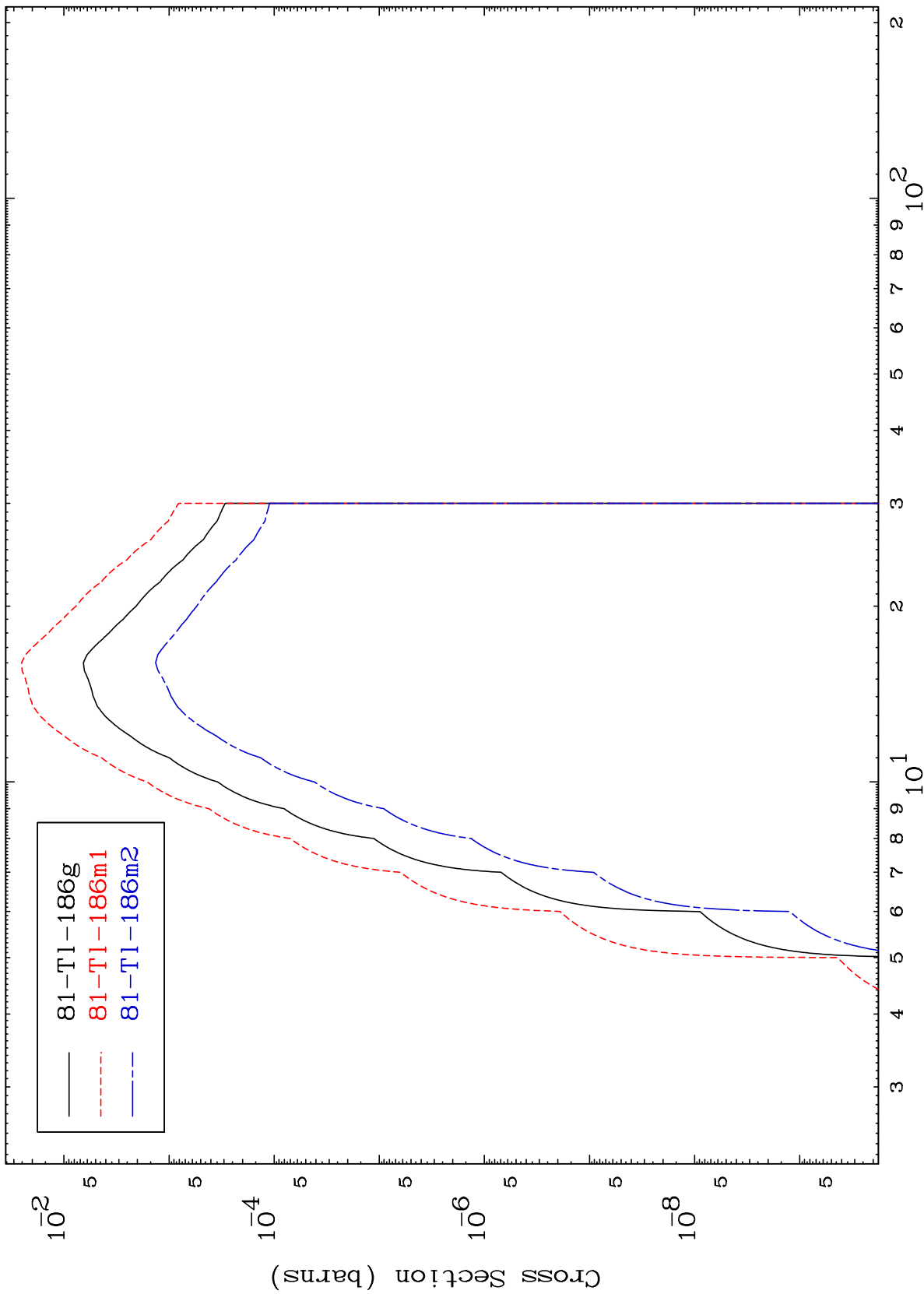
$^{82}\text{Pb-187m}$

15

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82-Pb-187m

Radionuclide Production Cross Section (n,p)

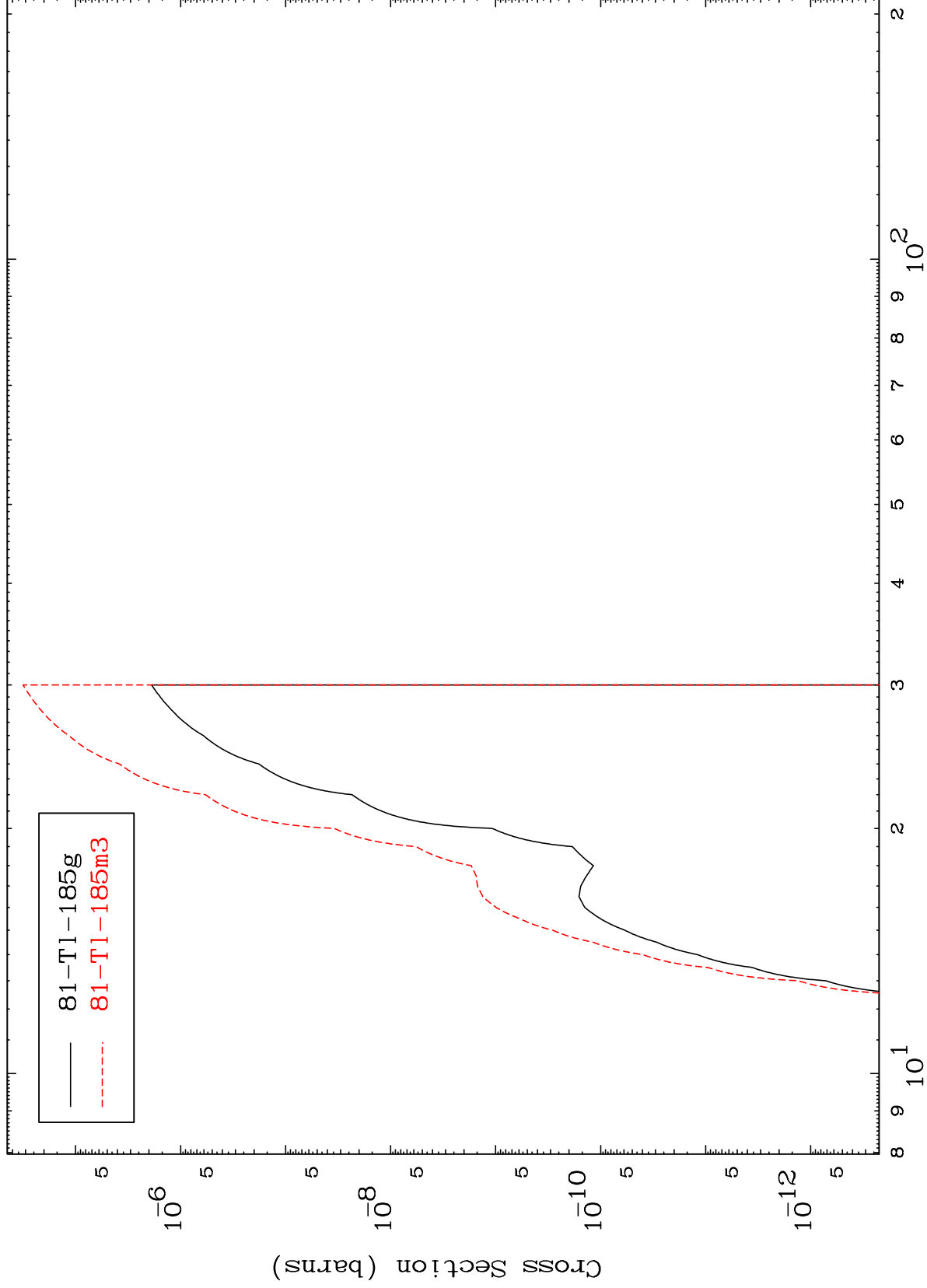


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(n,d)

82-Pb-187m

Radionuclide Production Cross Section



17

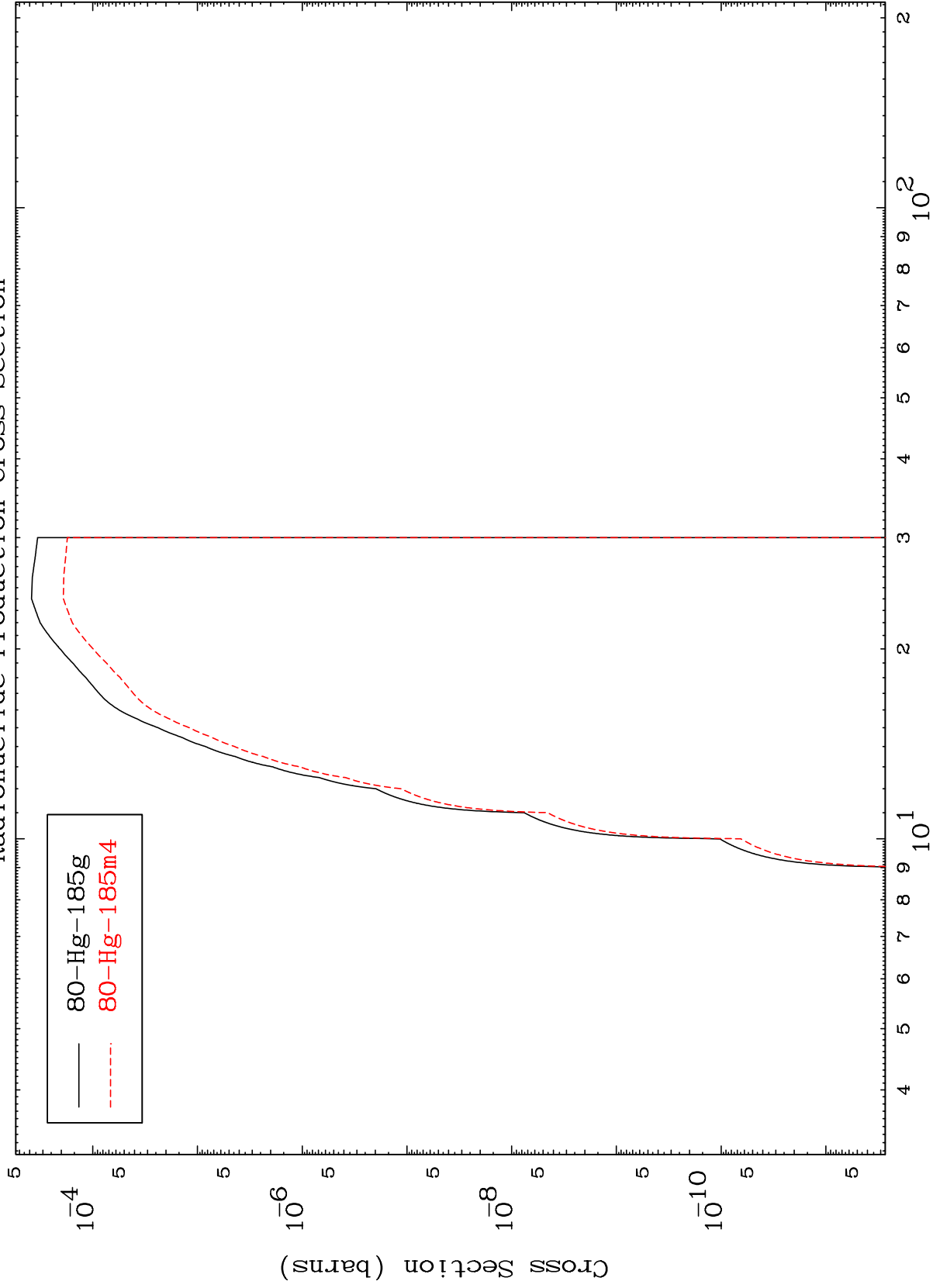
Incident Energy (MeV)

82-Pb-187m

MAT 8175

<sup>82</sup>Pb-187m

Radionuclide Production Cross Section  
(n,2p)



18

Incident Energy (MeV)

<sup>82</sup>Pb-187m