

Program EVALPLOT
(Version 2021-1)

by

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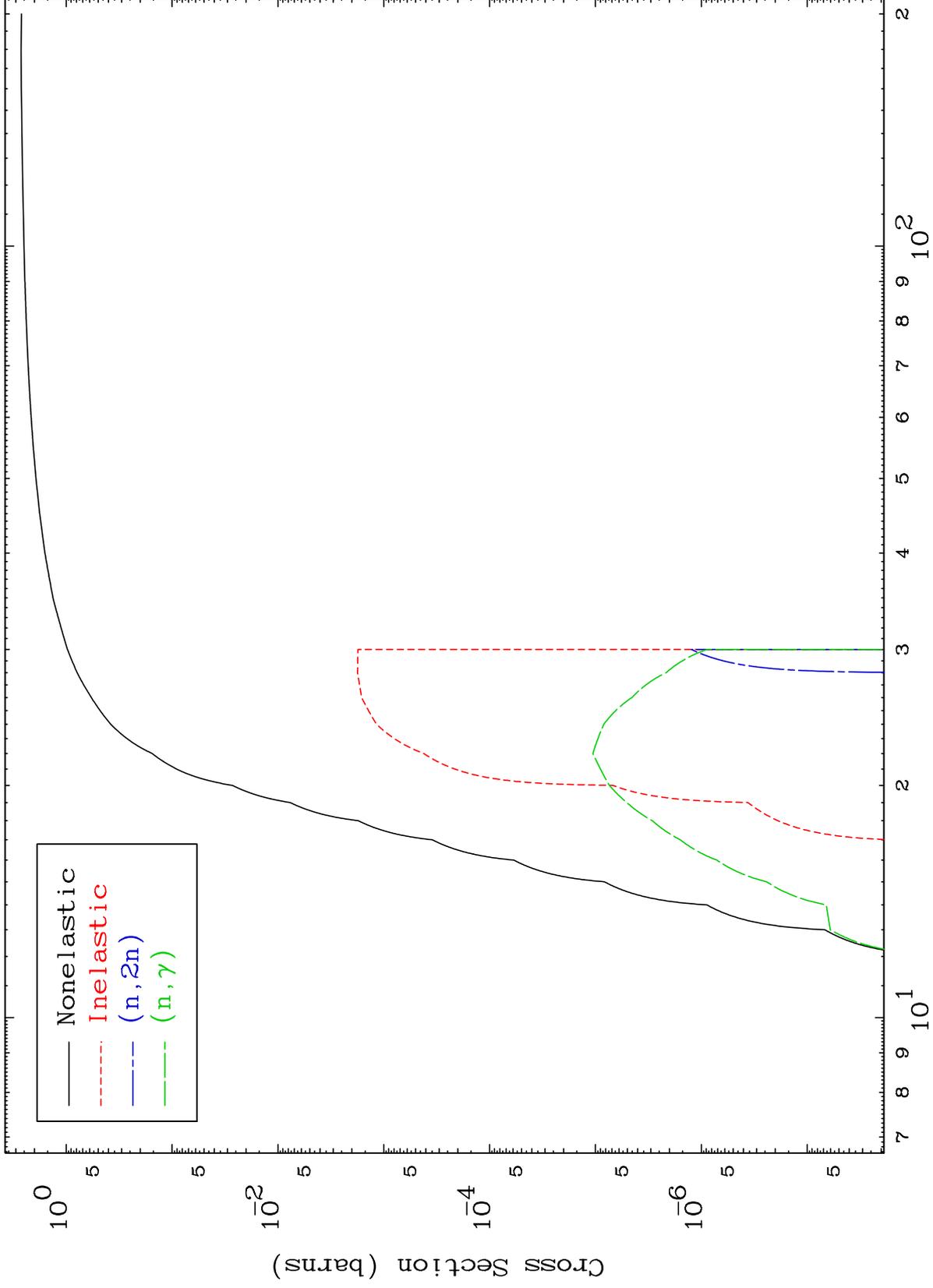
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Press Mouse Button to Start

MAT 8175

0 Kelvin
 α Major
Cross Sections

82-Pb-187m



1

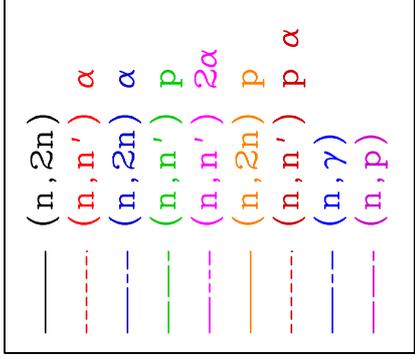
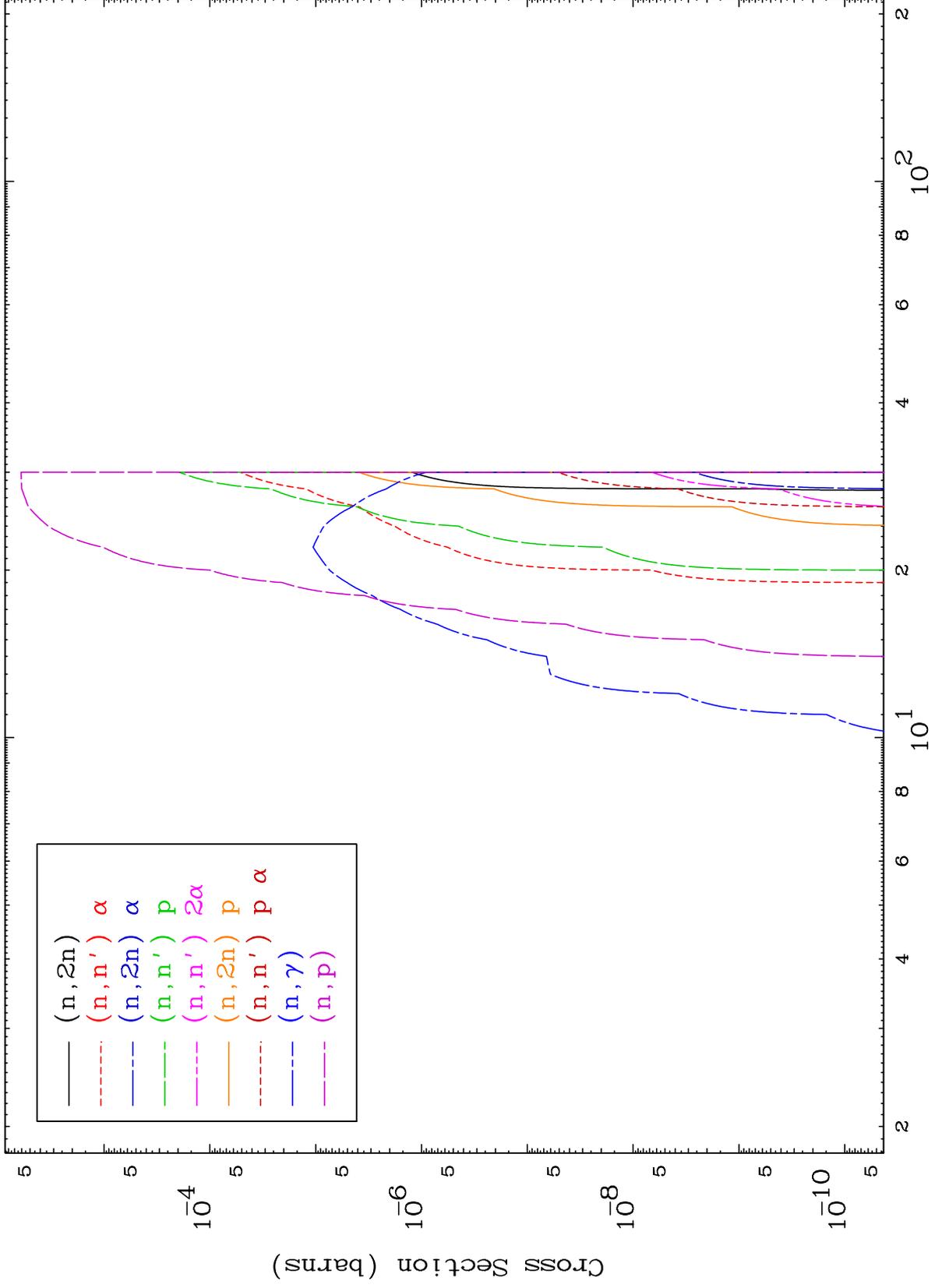
Incident Energy (MeV)

82-Pb-187m

MAT 8175

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-187m



2

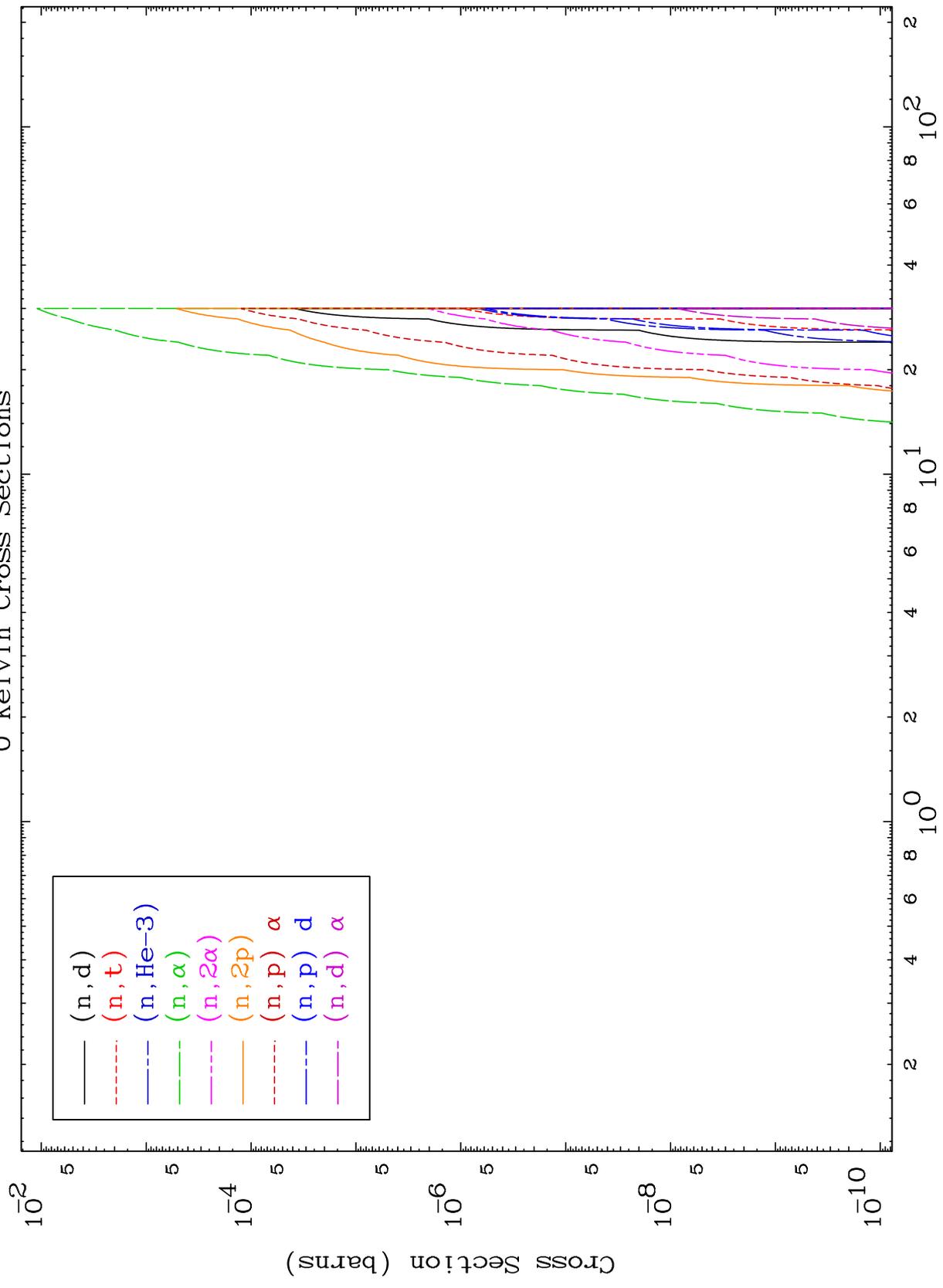
Incident Energy (MeV)

82-Pb-187m

MAT 8175

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-187m



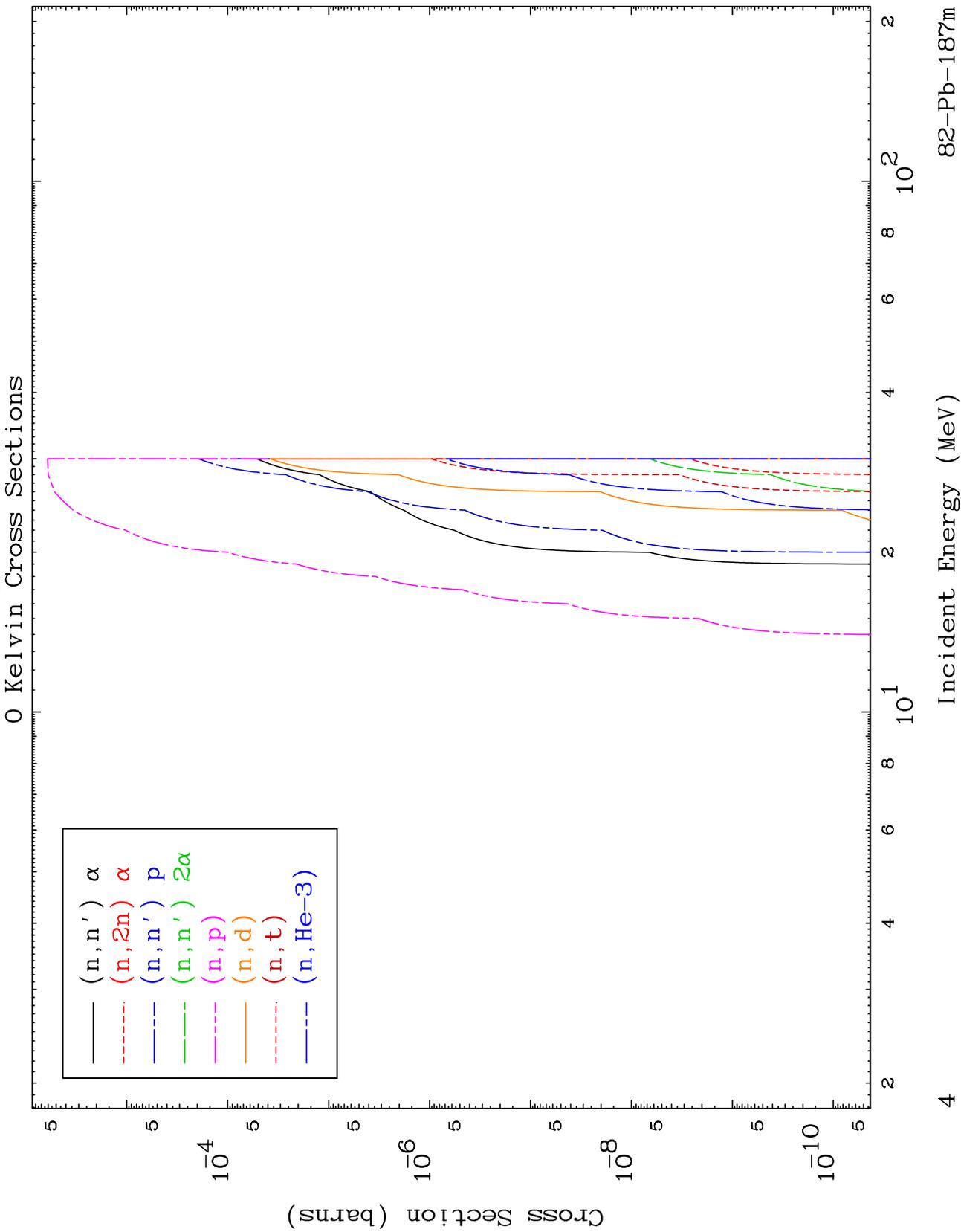
Incident Energy (MeV)

82-Pb-187m

MAT 8175

α Charged Particle

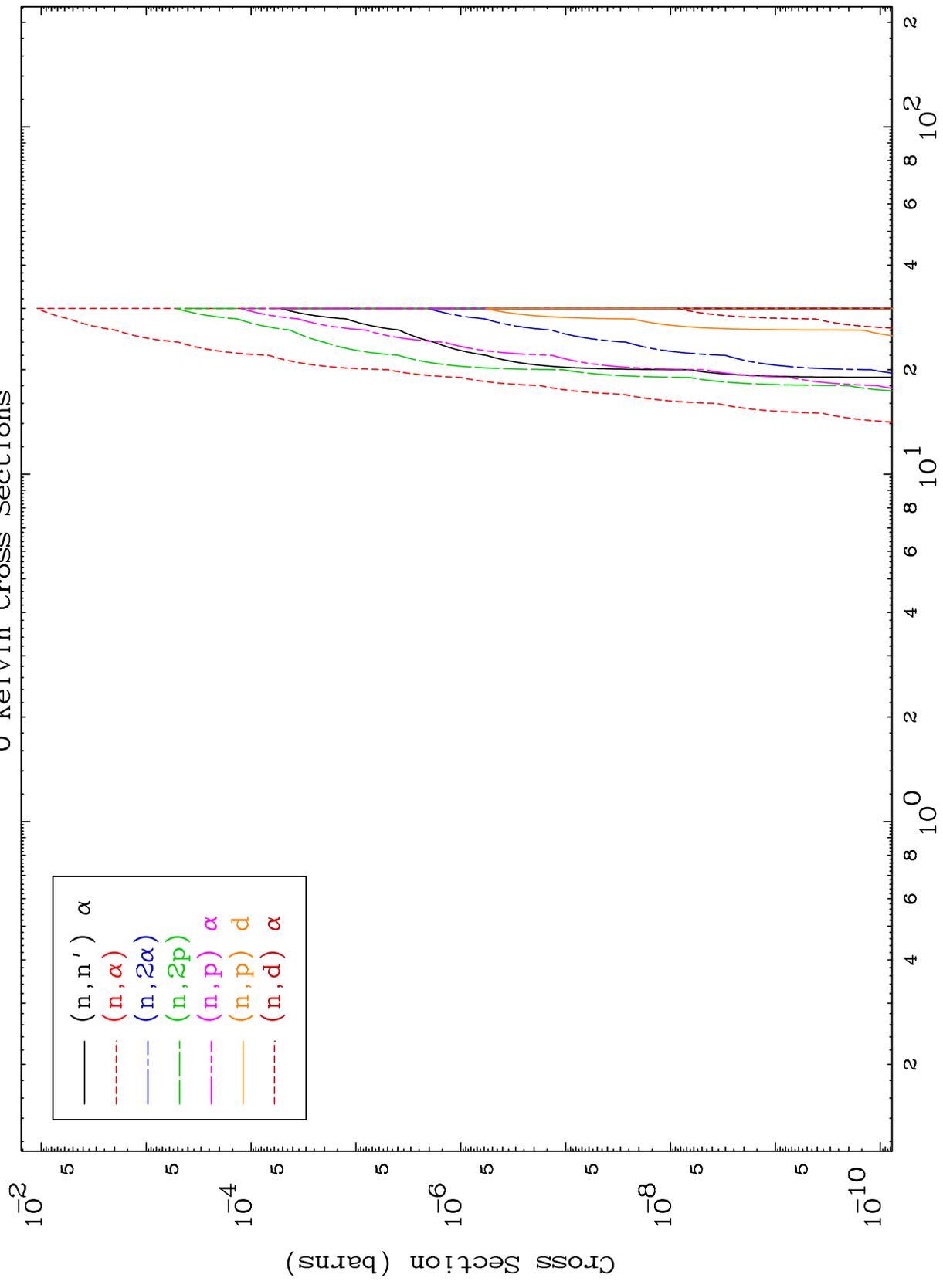
82-Pb-187m



MAT 8175

α Charged Particle
0 Kelvin Cross Sections

82-Pb-187m

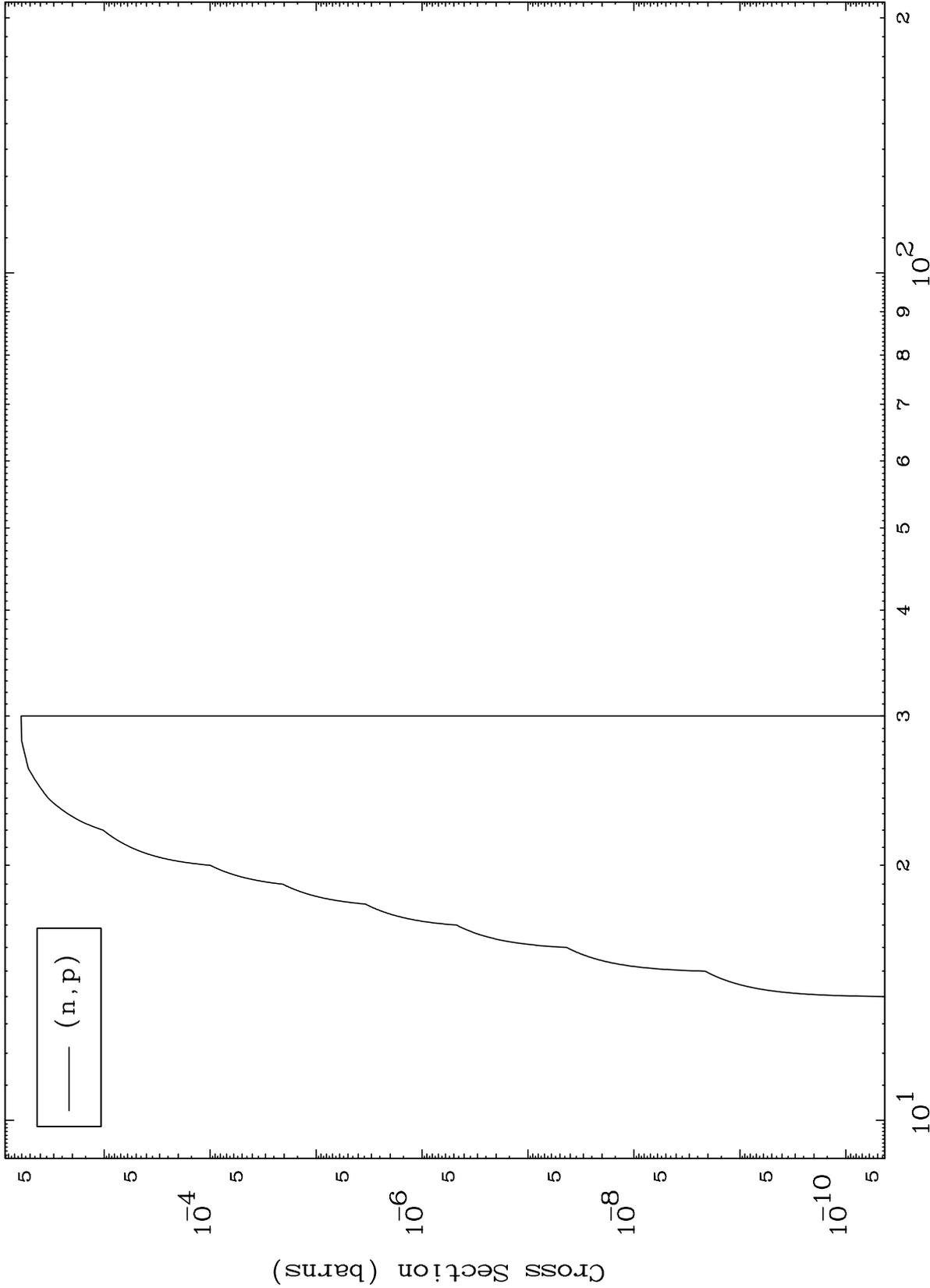


MAT 8175

(α, p) Levels

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

0 Kelvin Cross Sections



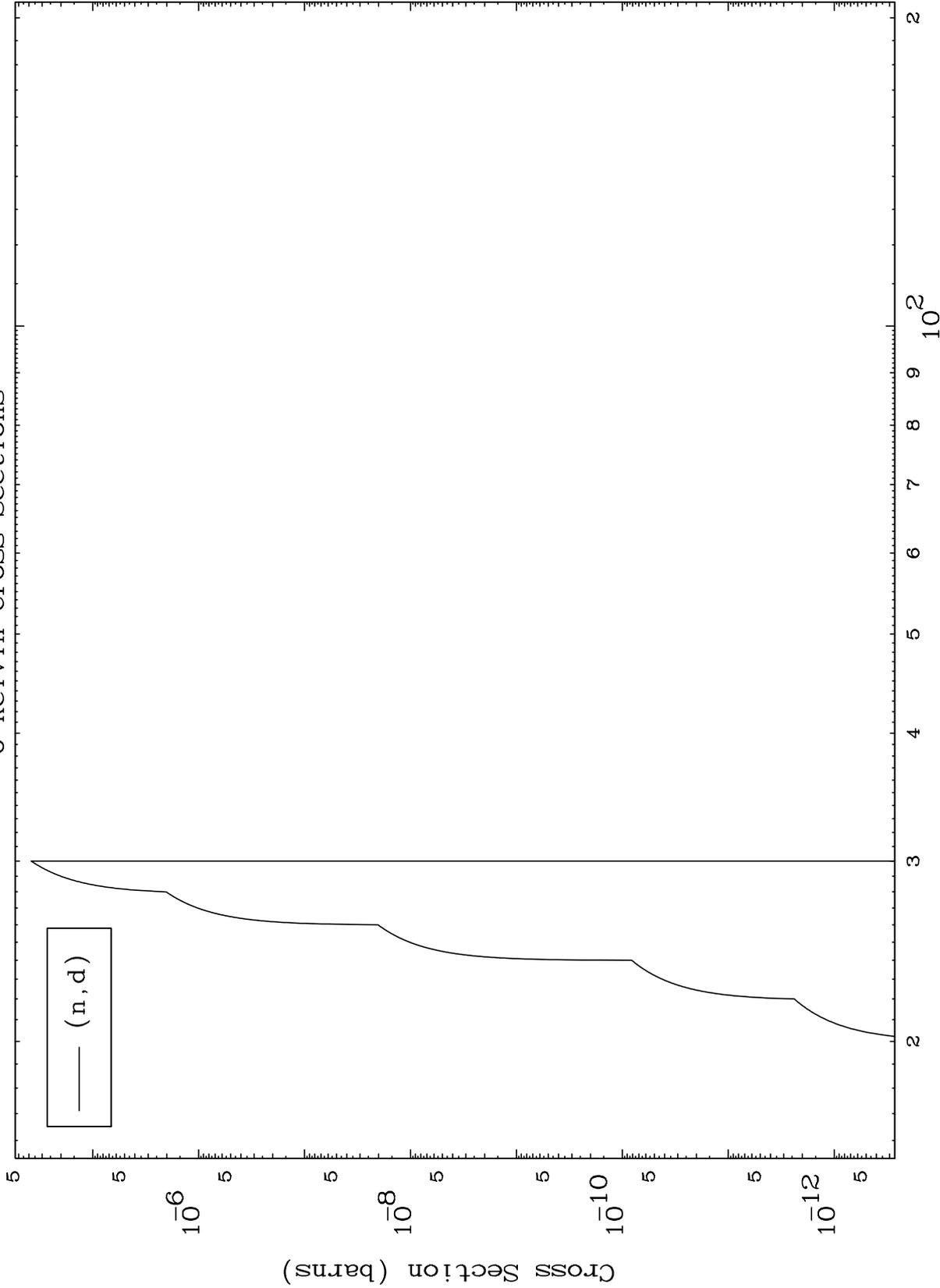
Incident Energy (MeV)

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

MAT 8175

(α, d) Levels
0 Kelvin Cross Sections

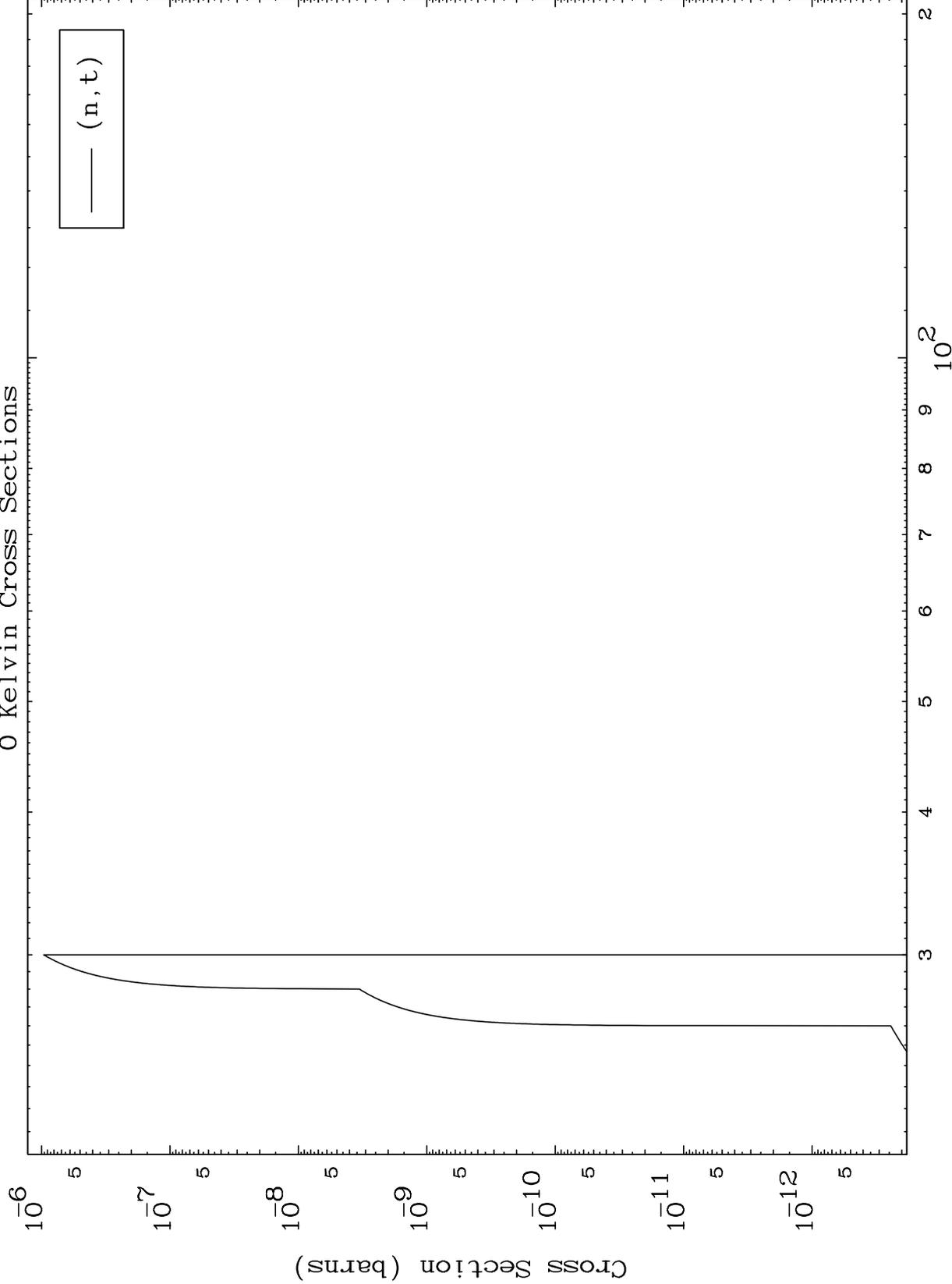
82-Pb-187m



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(α, t) Levels
0 Kelvin Cross Sections

82-Pb-187m



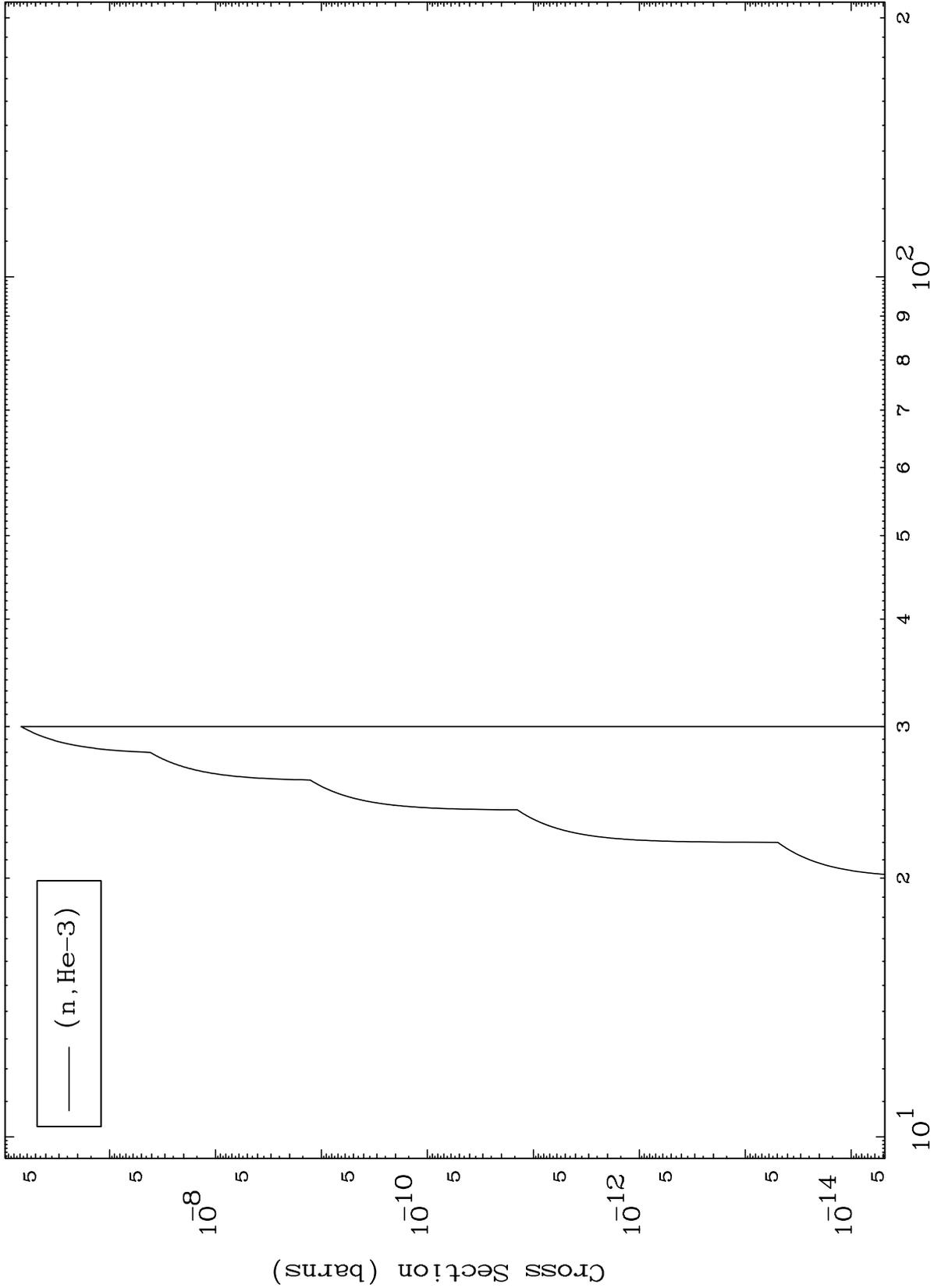
(n, t)

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($\alpha, \text{He3}$) Levels

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

0 Kelvin Cross Sections



Incident Energy (MeV)

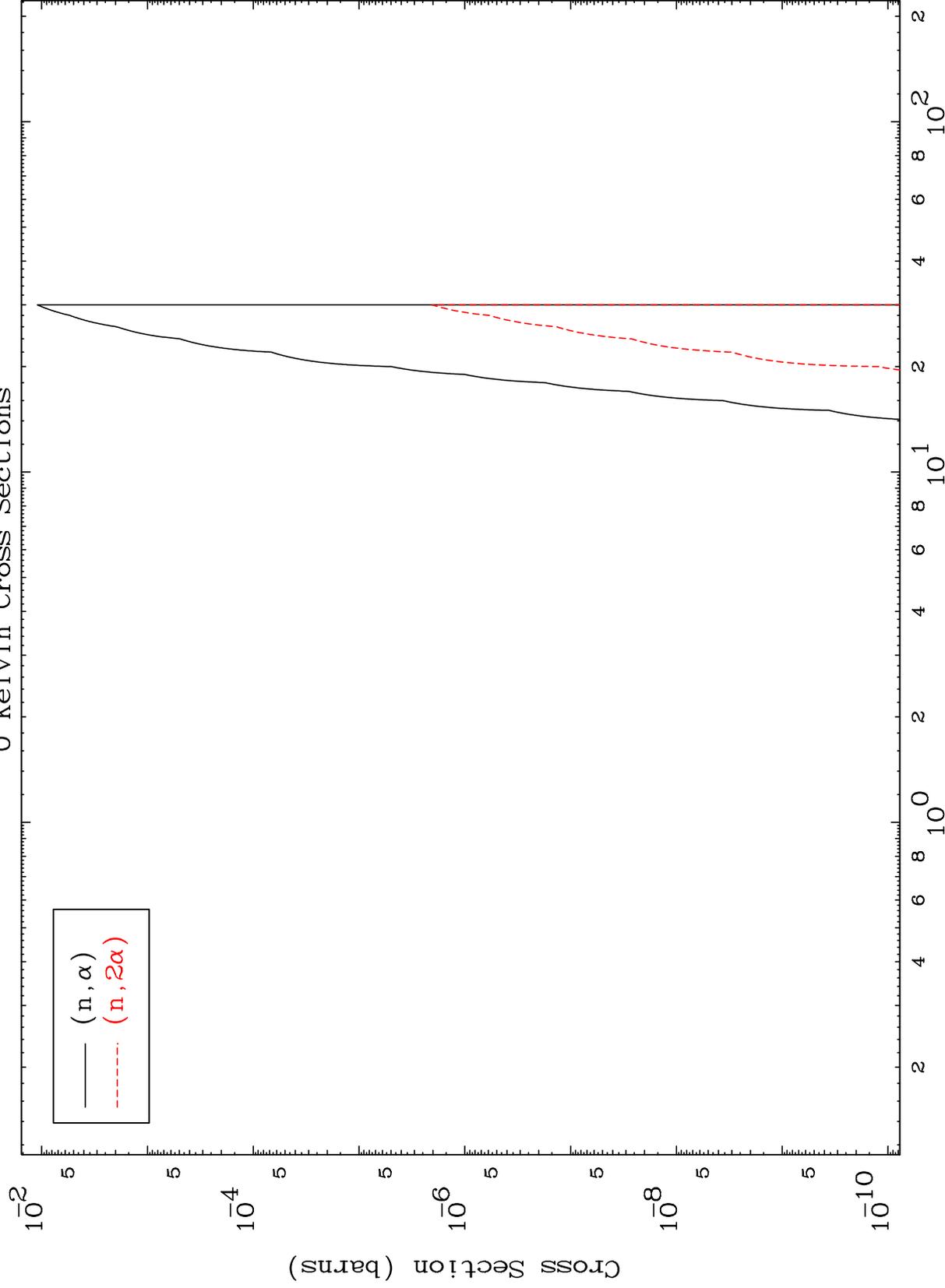
$^{82}\text{Pb}-187\text{m}$

MAT 8175

(α, α) Levels

82-Pb-187m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

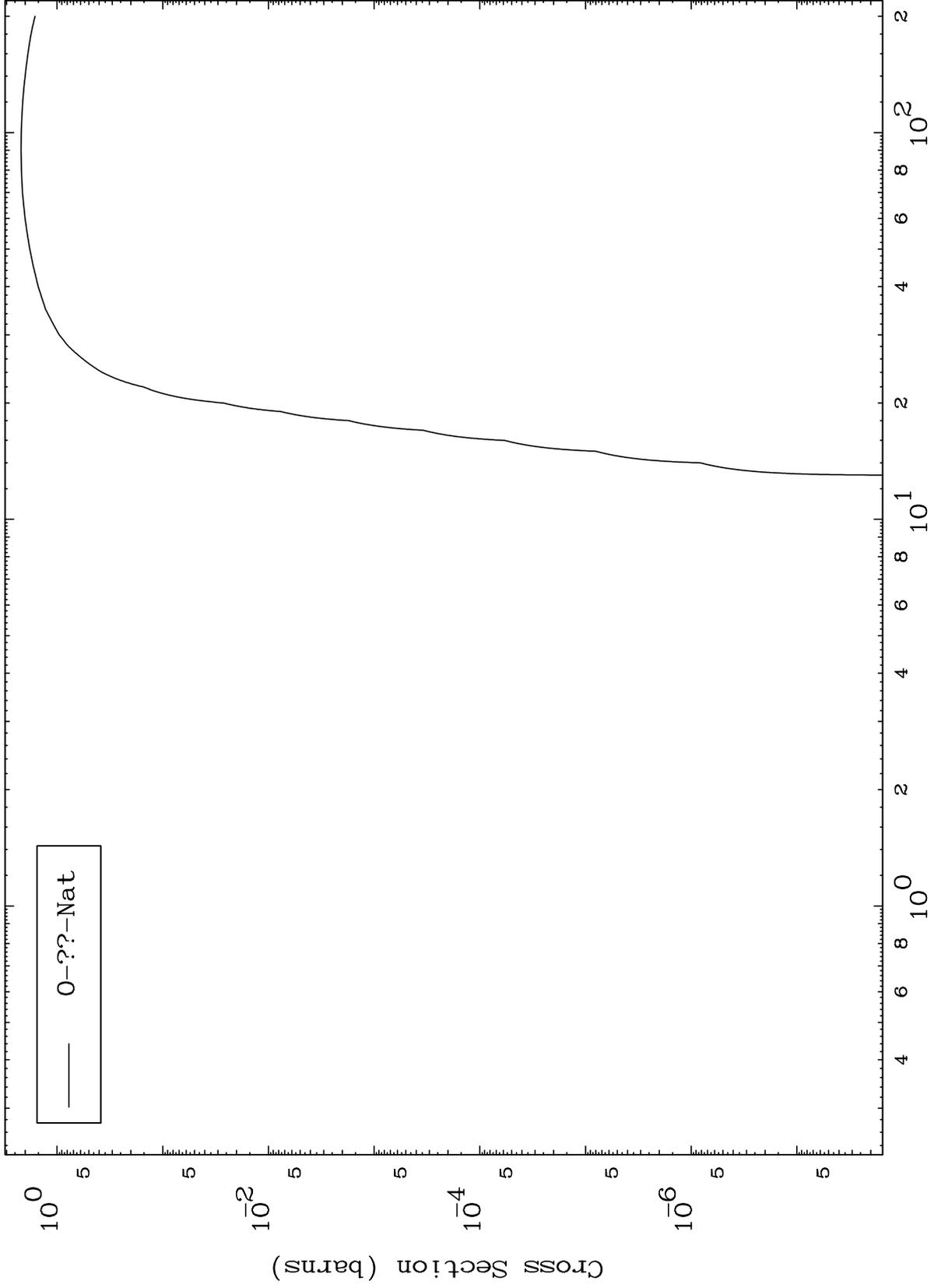
82-Pb-187m

MAT 8175

Fission

⁸²Pb-187m

Radionuclide Production Cross Section

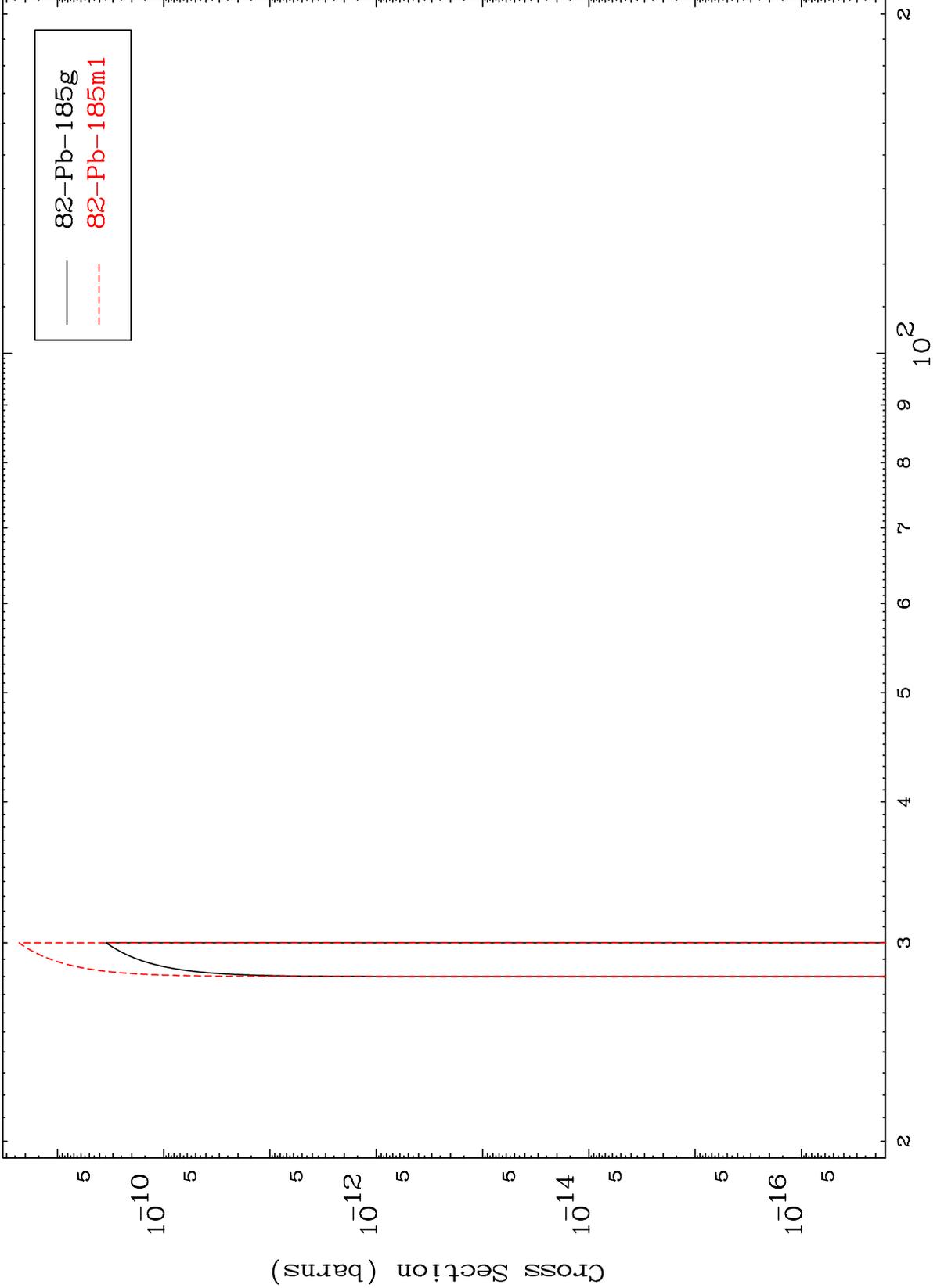


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$(n,2n) \alpha$

82-Pb-187m

Radionuclide Production Cross Section



82-Pb-185g
82-Pb-185m1

12

Incident Energy (MeV)

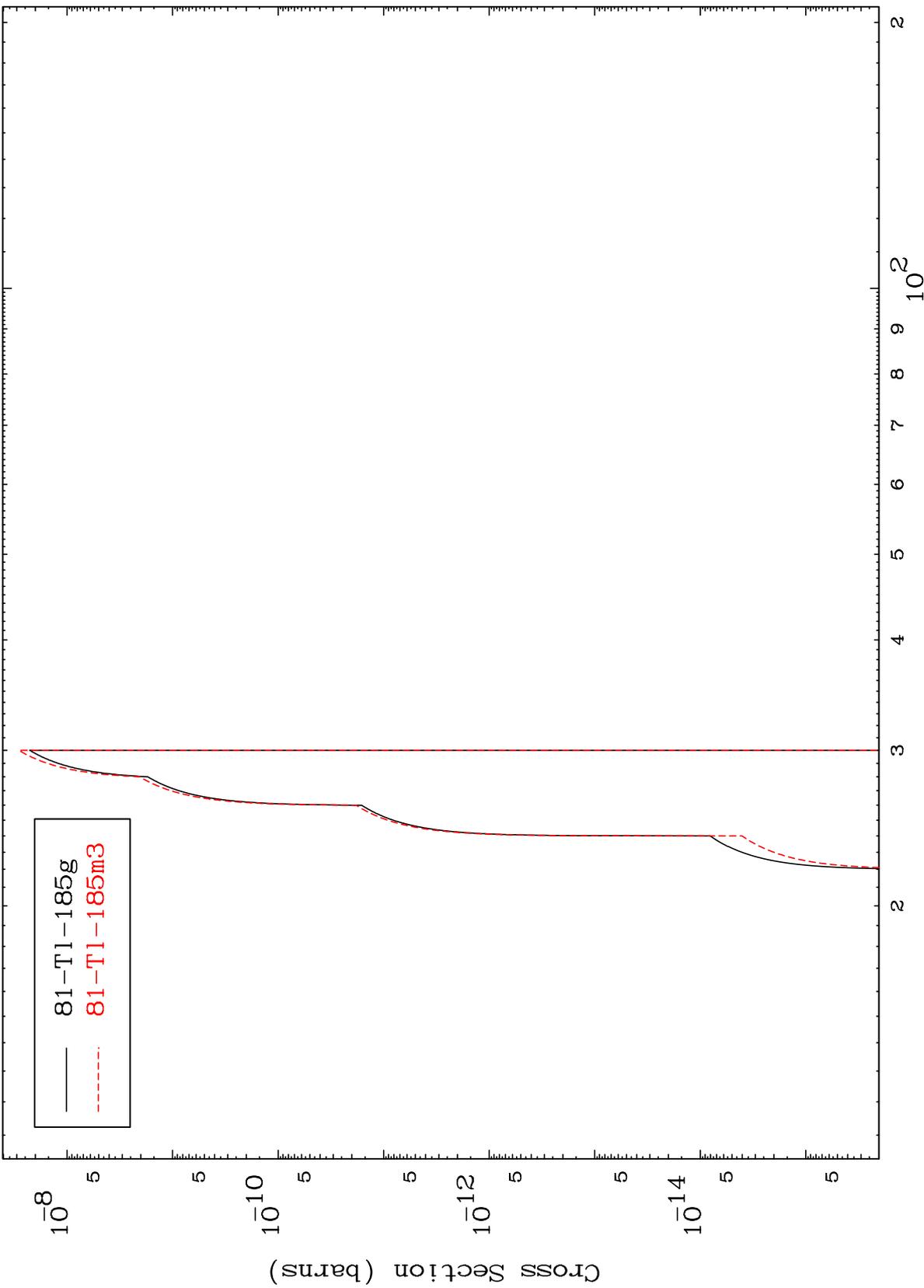
82-Pb-187m

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(n,n') p α

82-Pb-187m

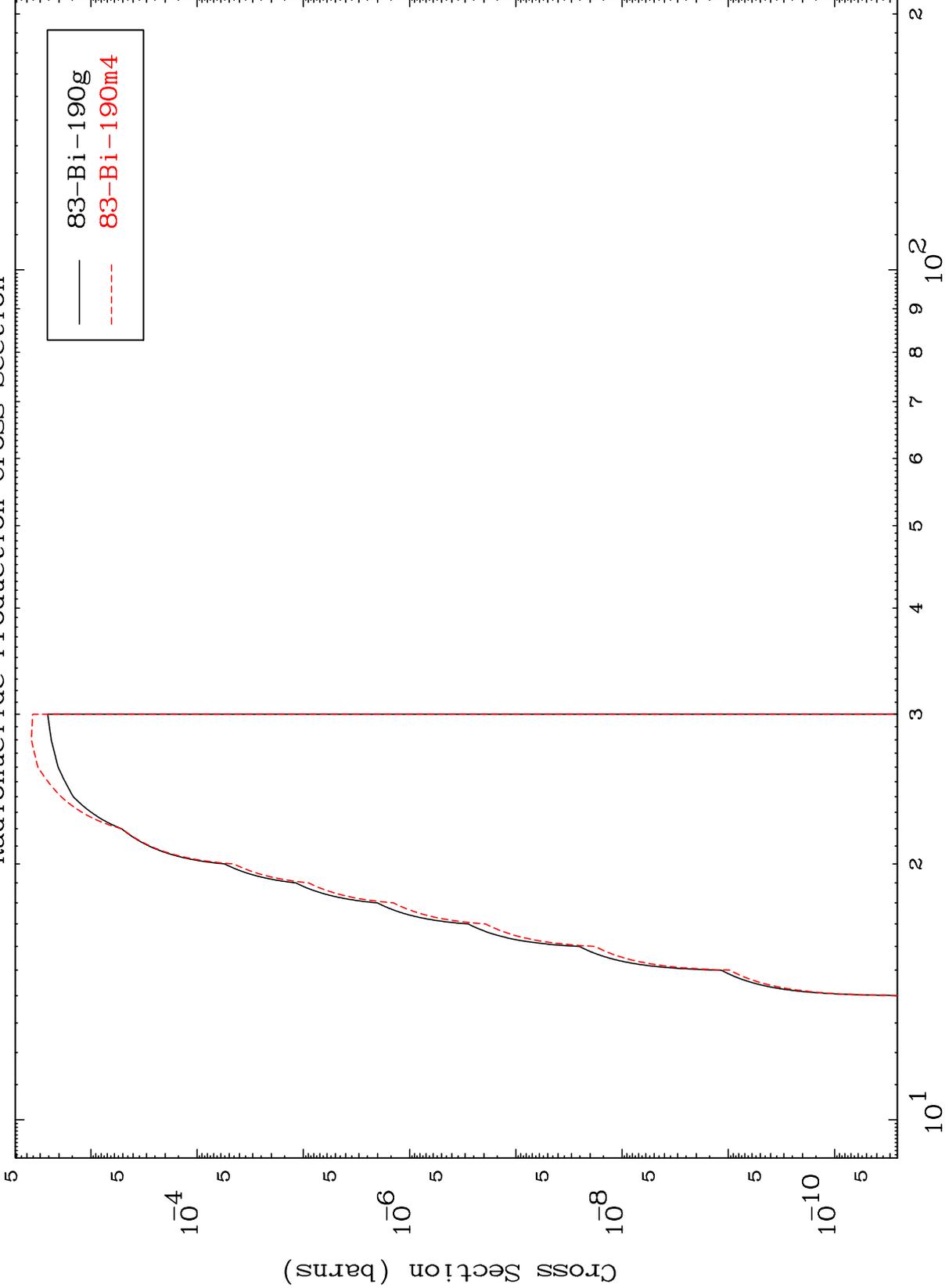
Radionuclide Production Cross Section



MAT 8175

82-Pb-187m

(n,p)
Radionuclide Production Cross Section



83-Bi-190g
83-Bi-190m4

82-Pb-187m

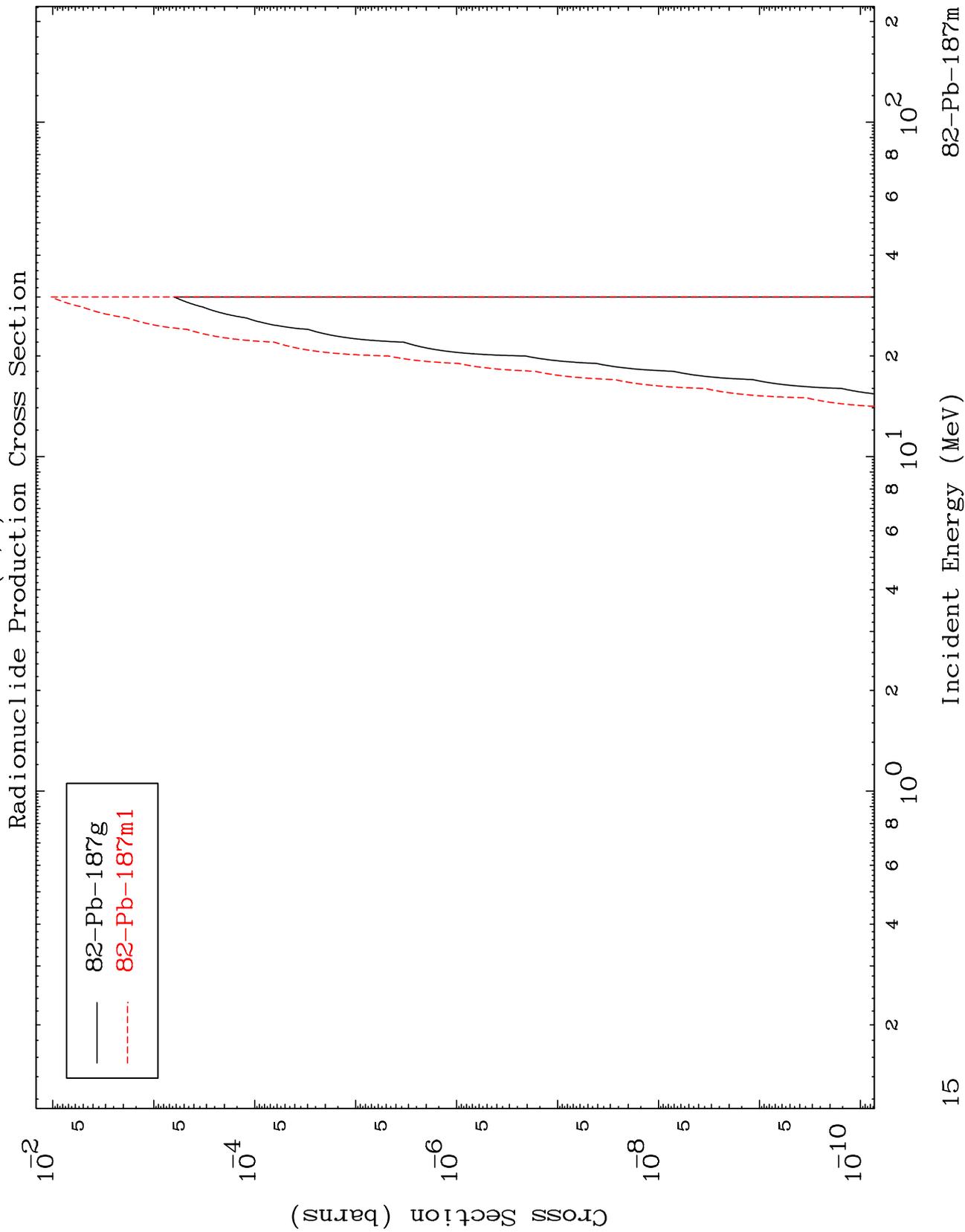
Incident Energy (MeV)

14

MAT 8175

(n, α)

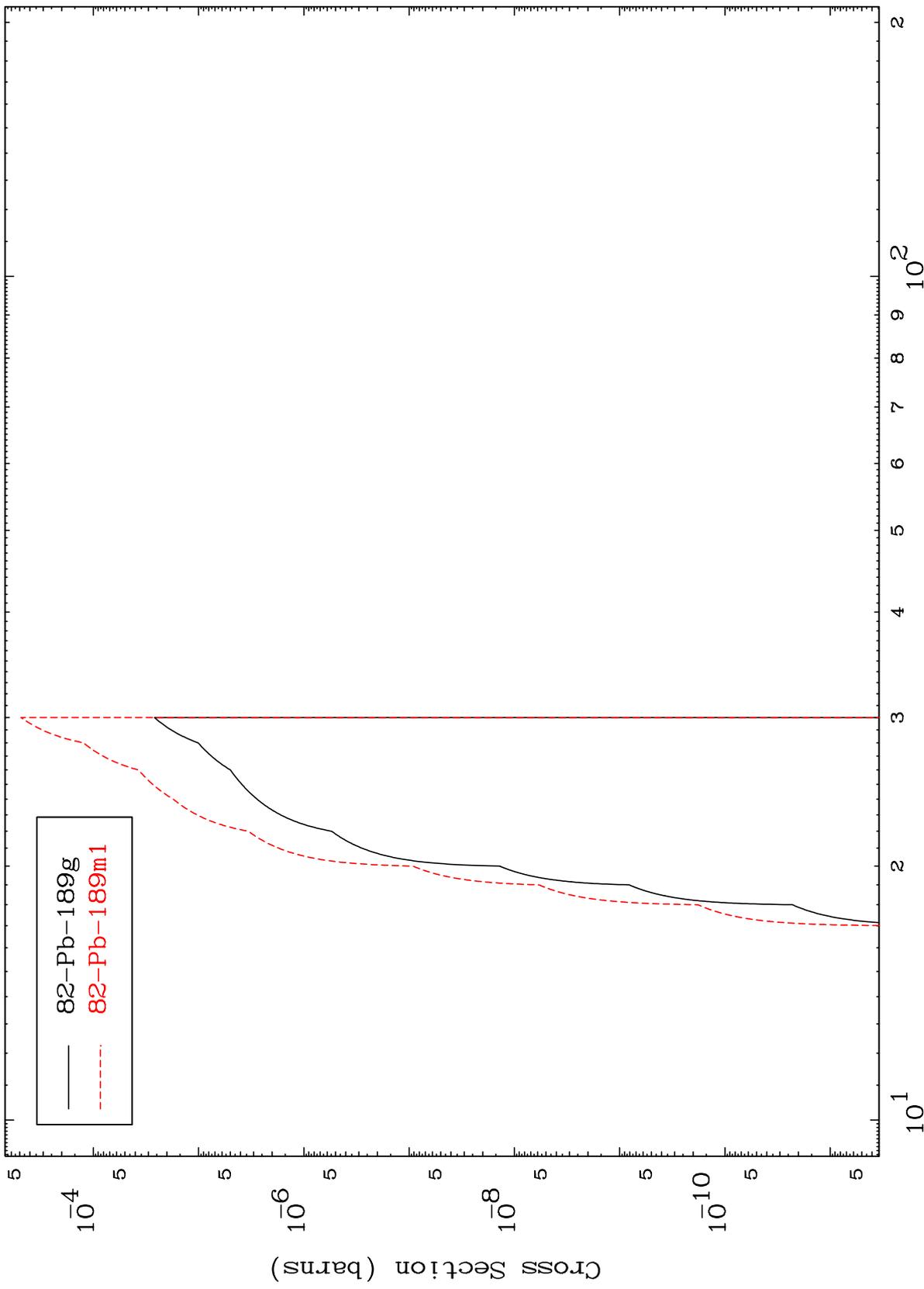
⁸²Pb-¹⁸⁷m



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⁸²Pb-187m

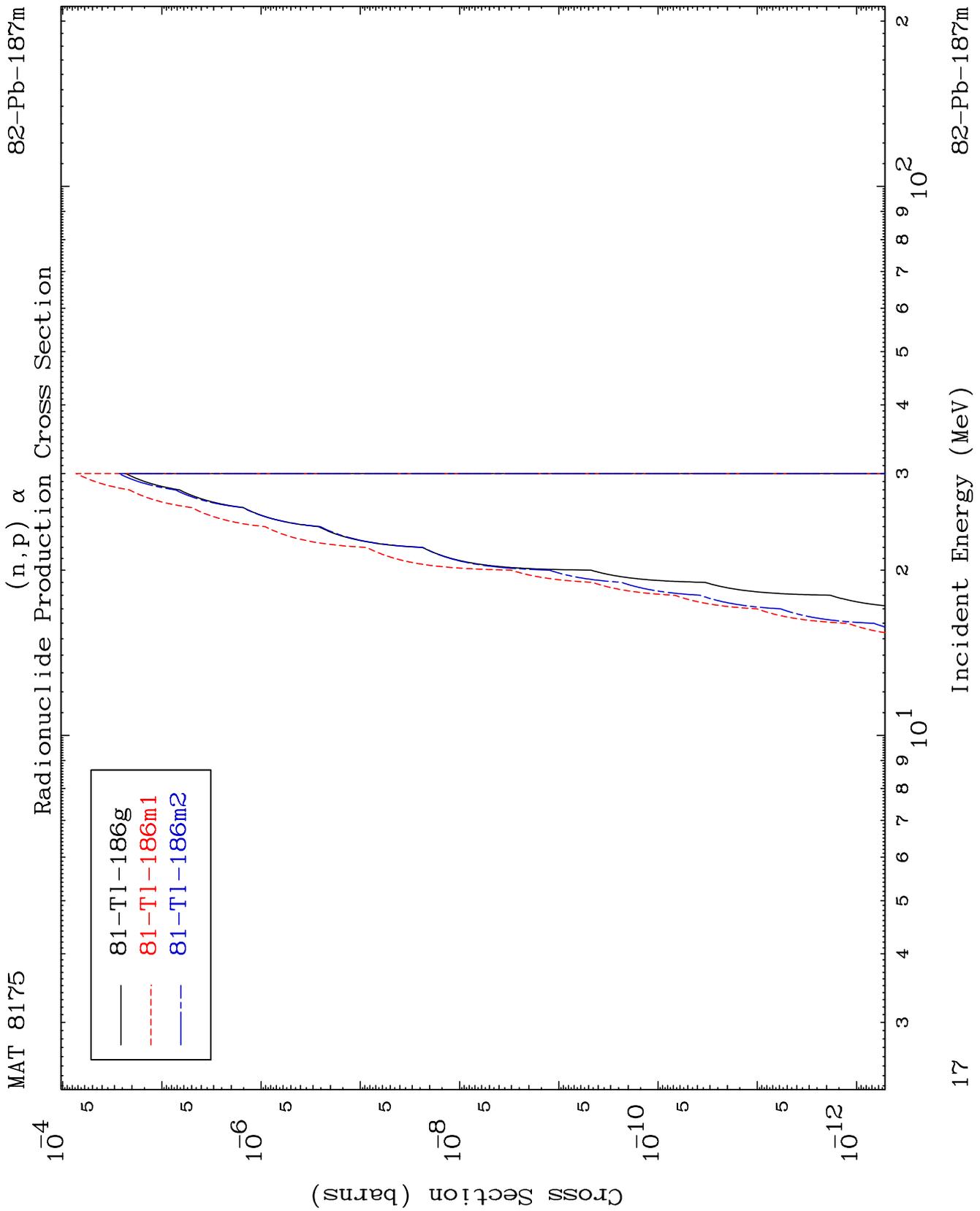
(n,2p)
Radionuclide Production Cross Section



⁸²Pb-187m

Incident Energy (MeV)

16

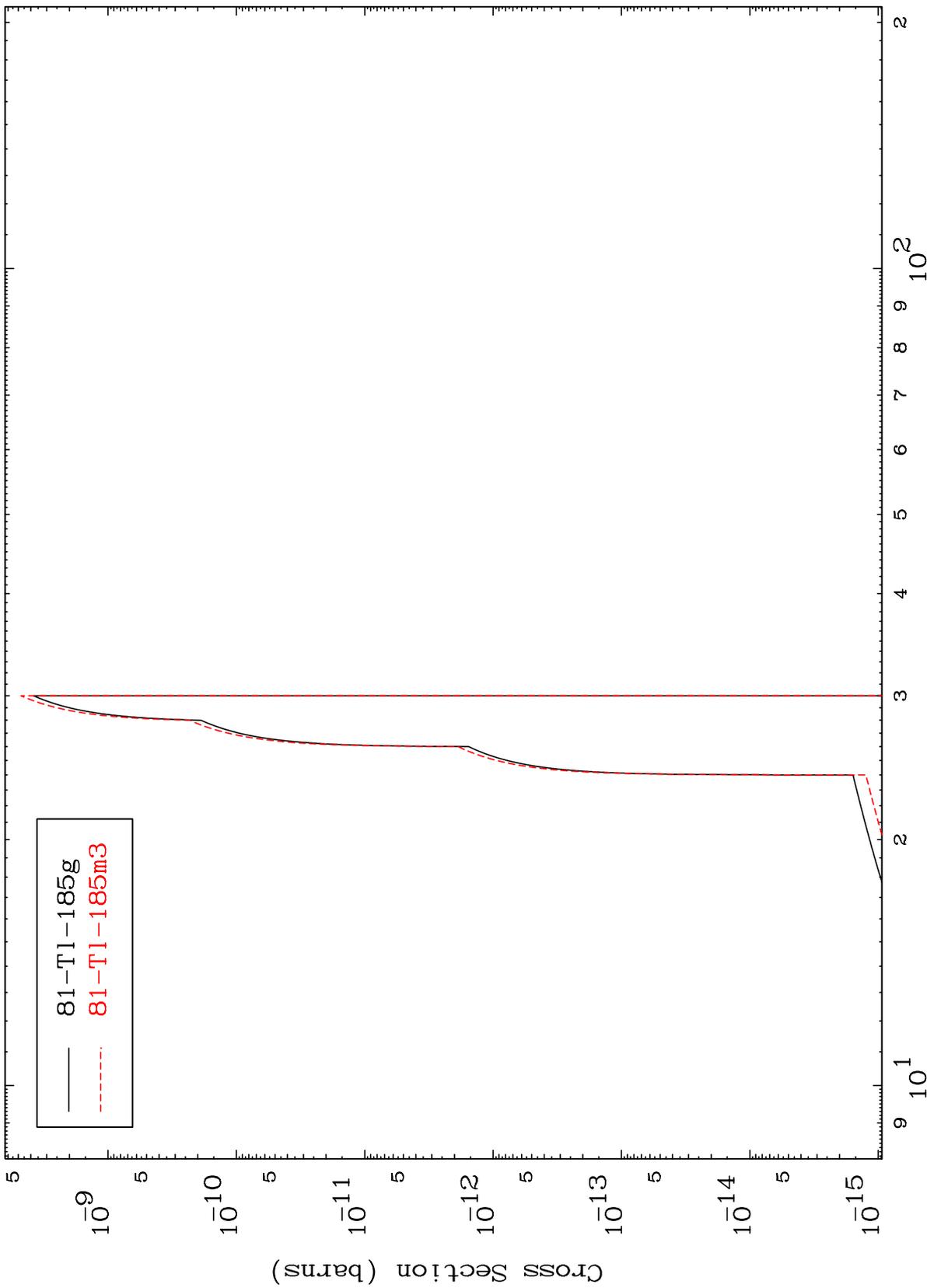


MAT 8175

(n,d) α

82-Pb-187m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

82-Pb-187m