

Program EVALPLOT
(Version 2021-1)

by

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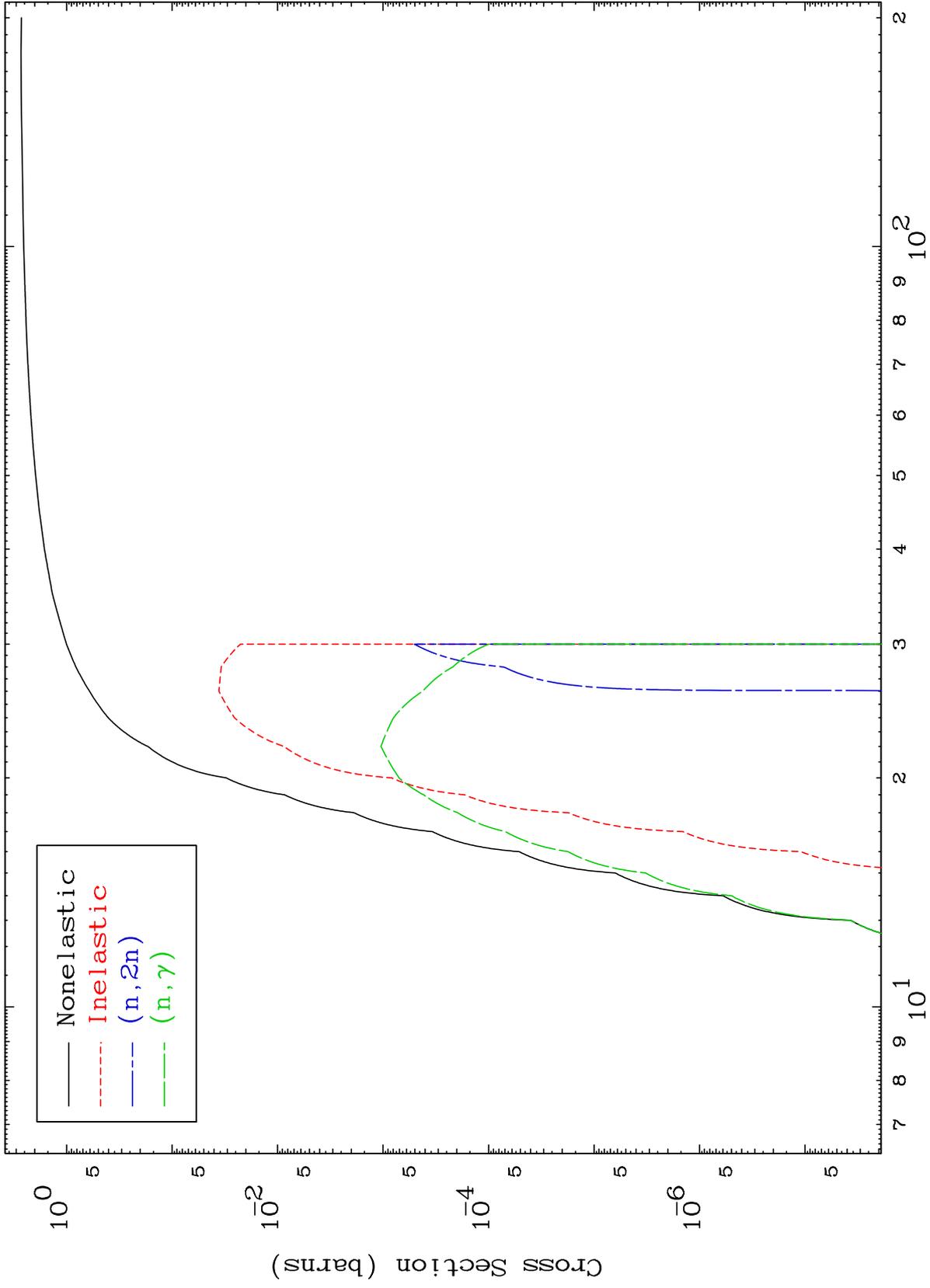
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Press Mouse Button to Start

MAT 8187

0 Kelvin Cross Sections

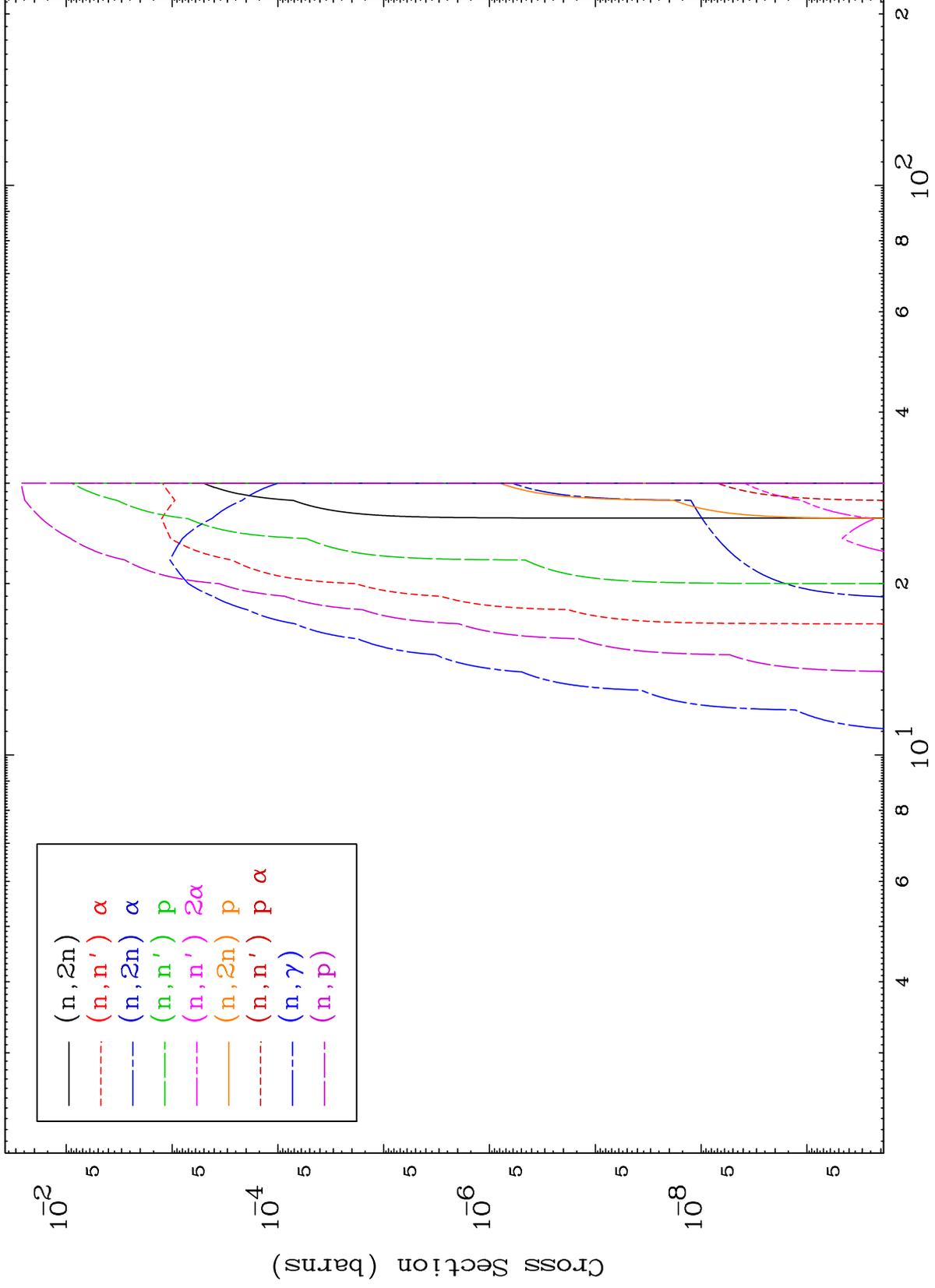
82-Pb-191m



1

Incident Energy (MeV)

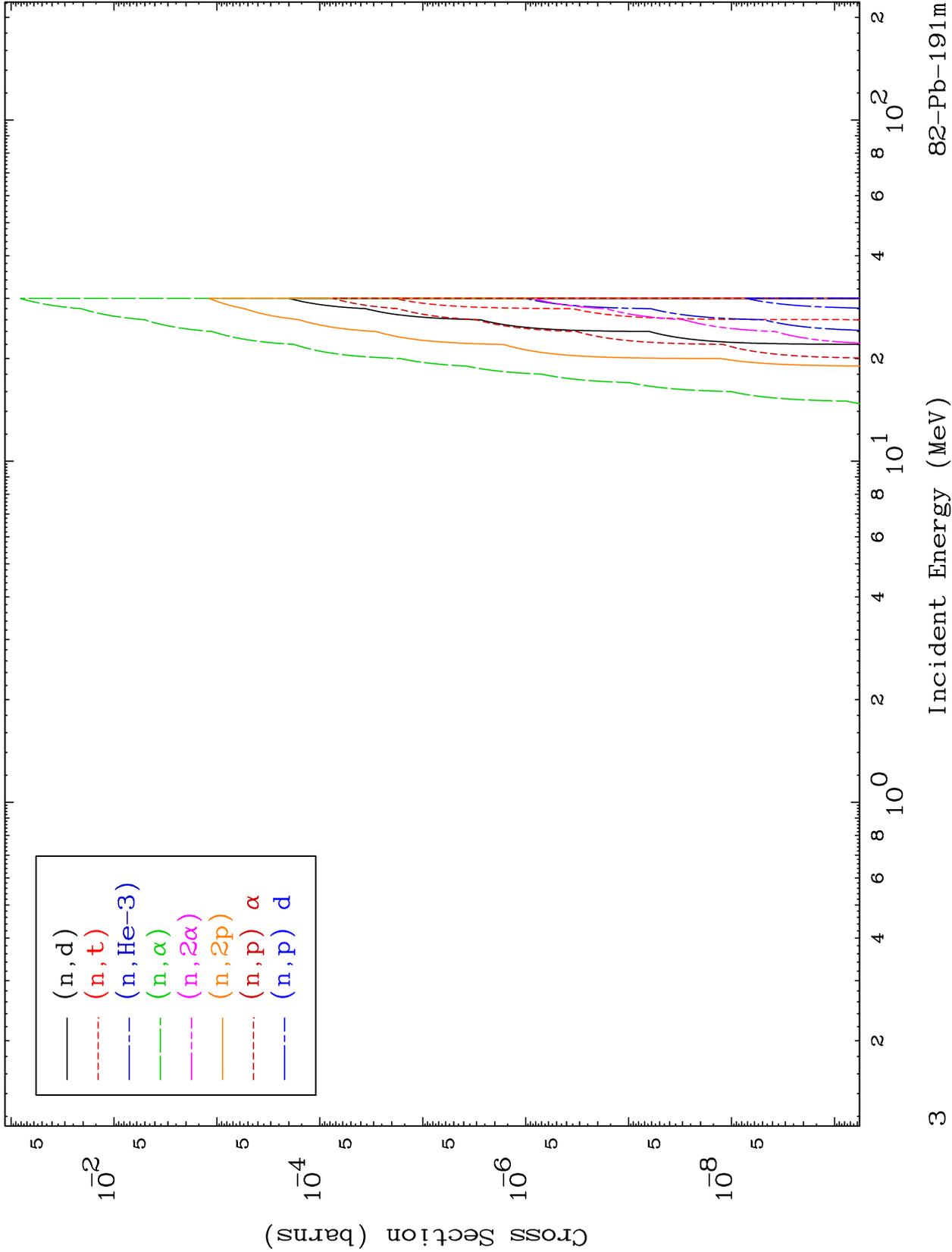
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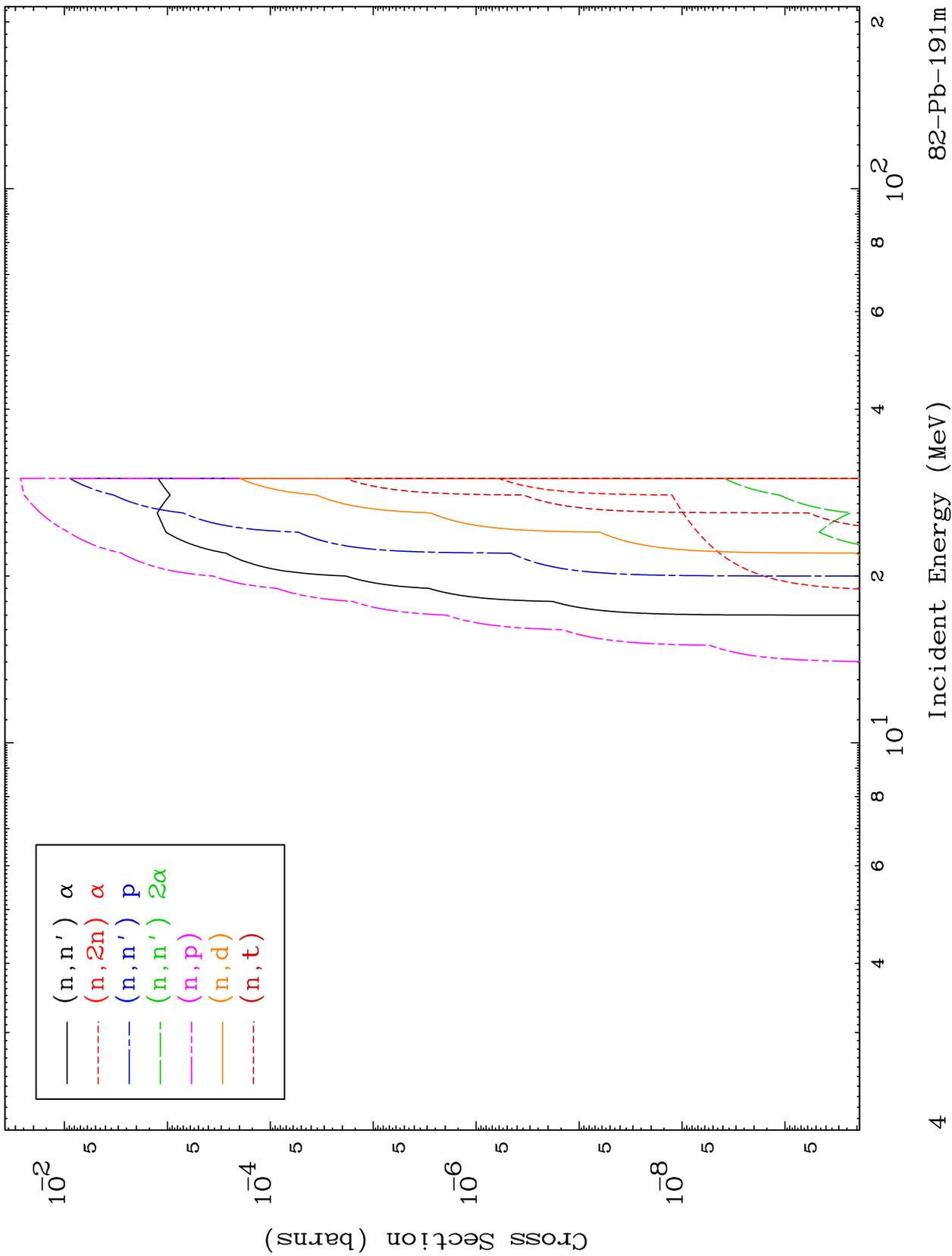


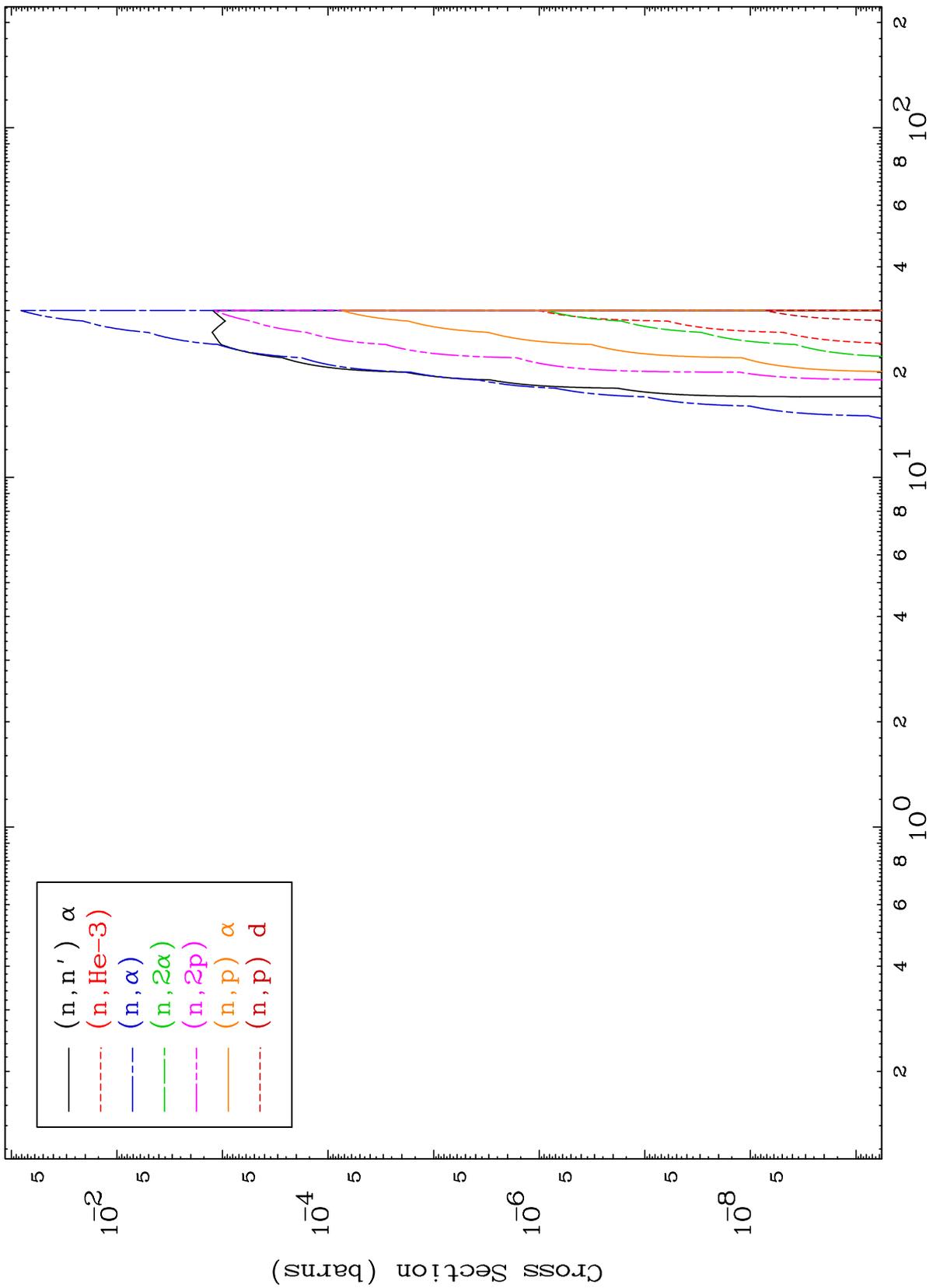
MAT 8187

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-191m



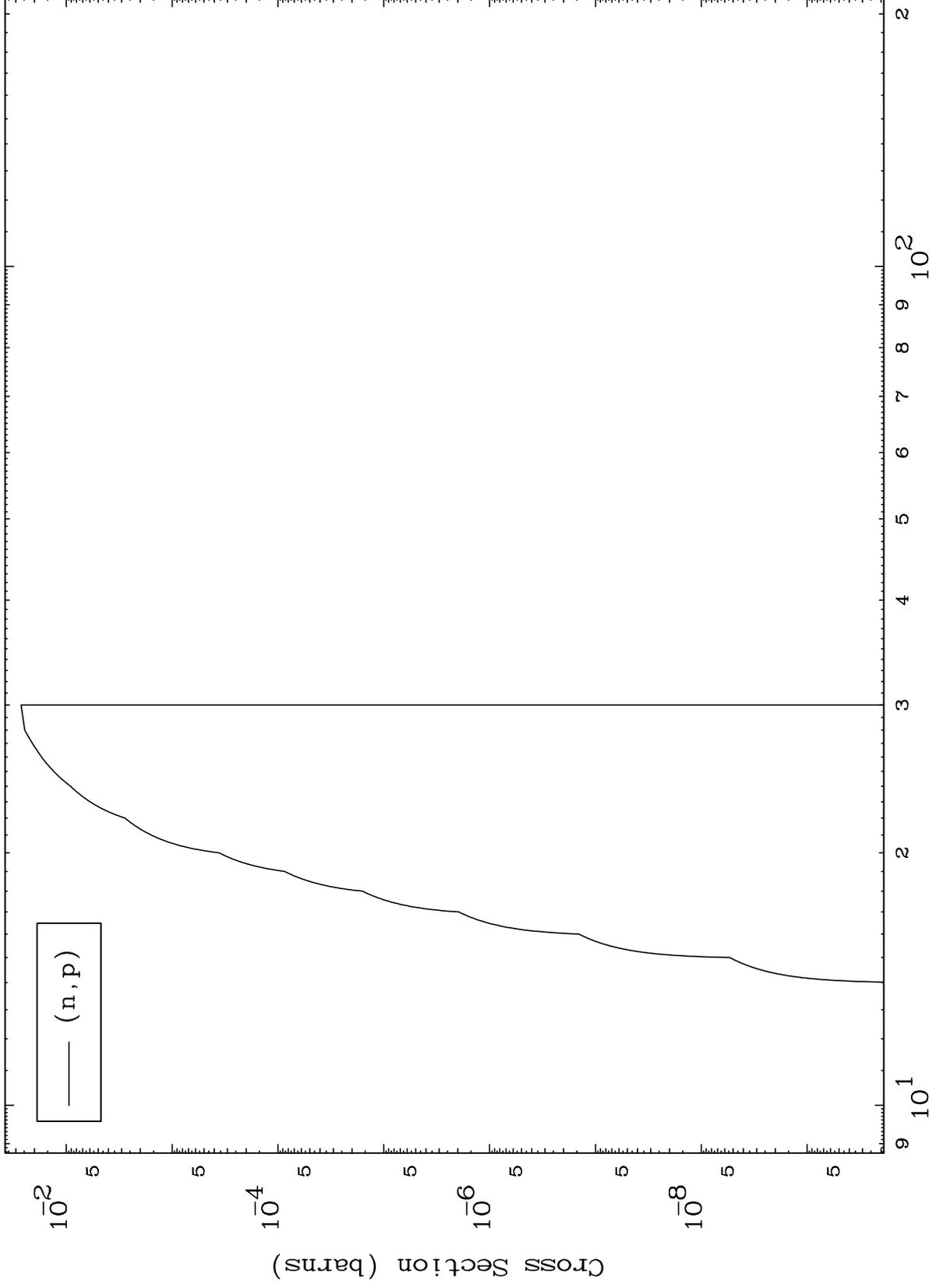




MAT 8187

(α, p) Levels
0 Kelvin Cross Sections

82-Pb-191m



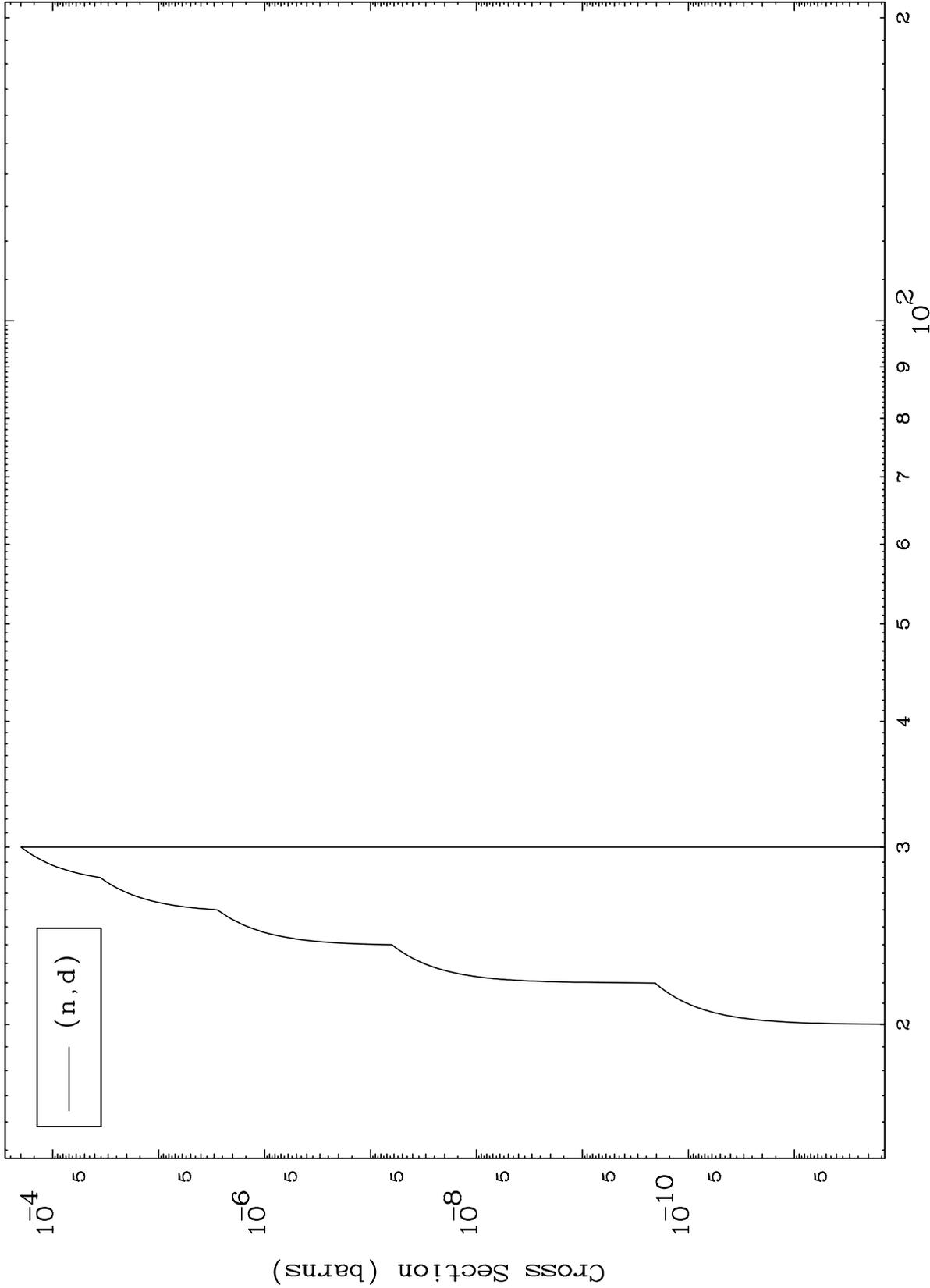
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(α, d) Levels
0 Kelvin Cross Sections

82-Pb-191m



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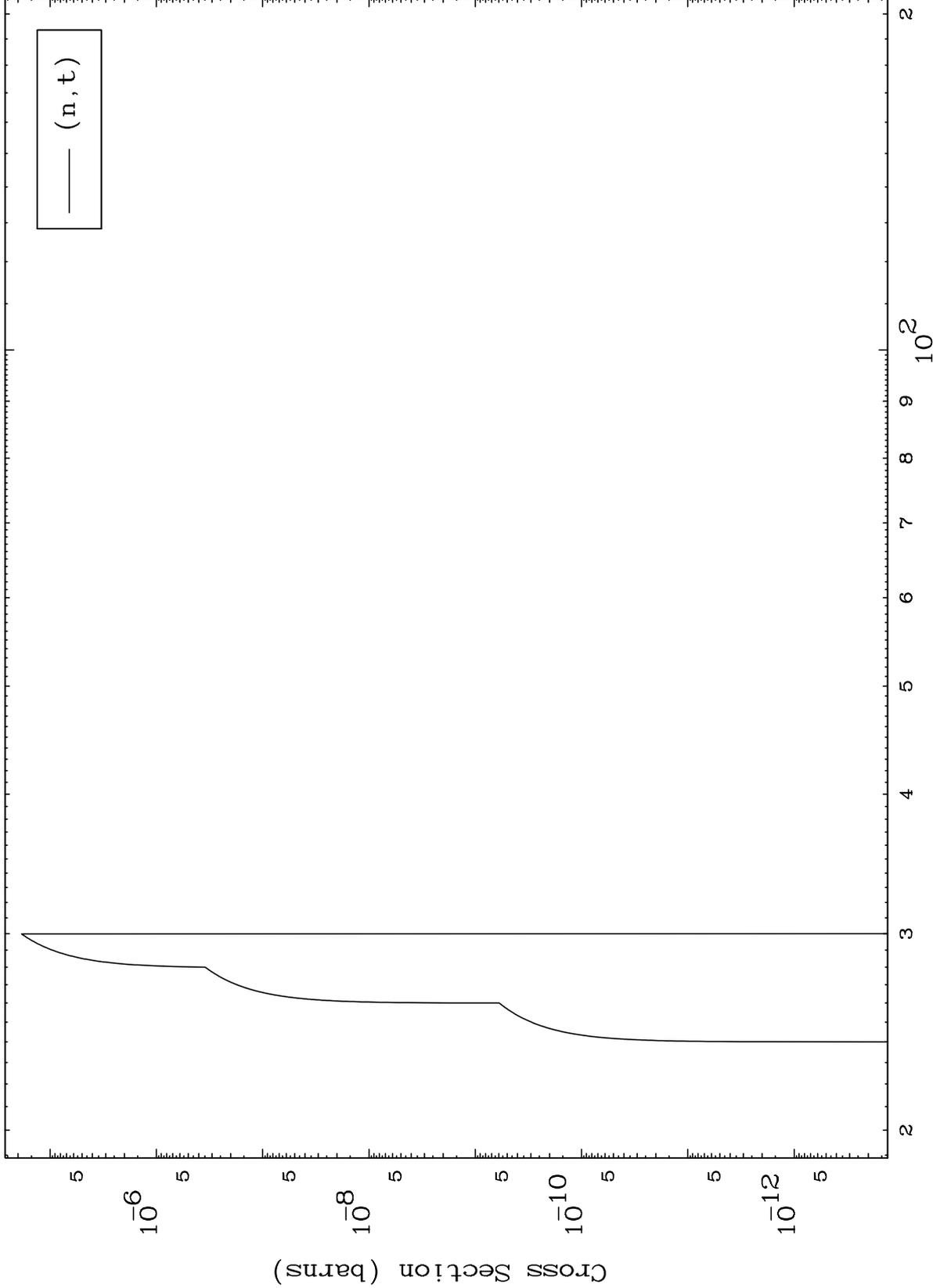
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-191m



8

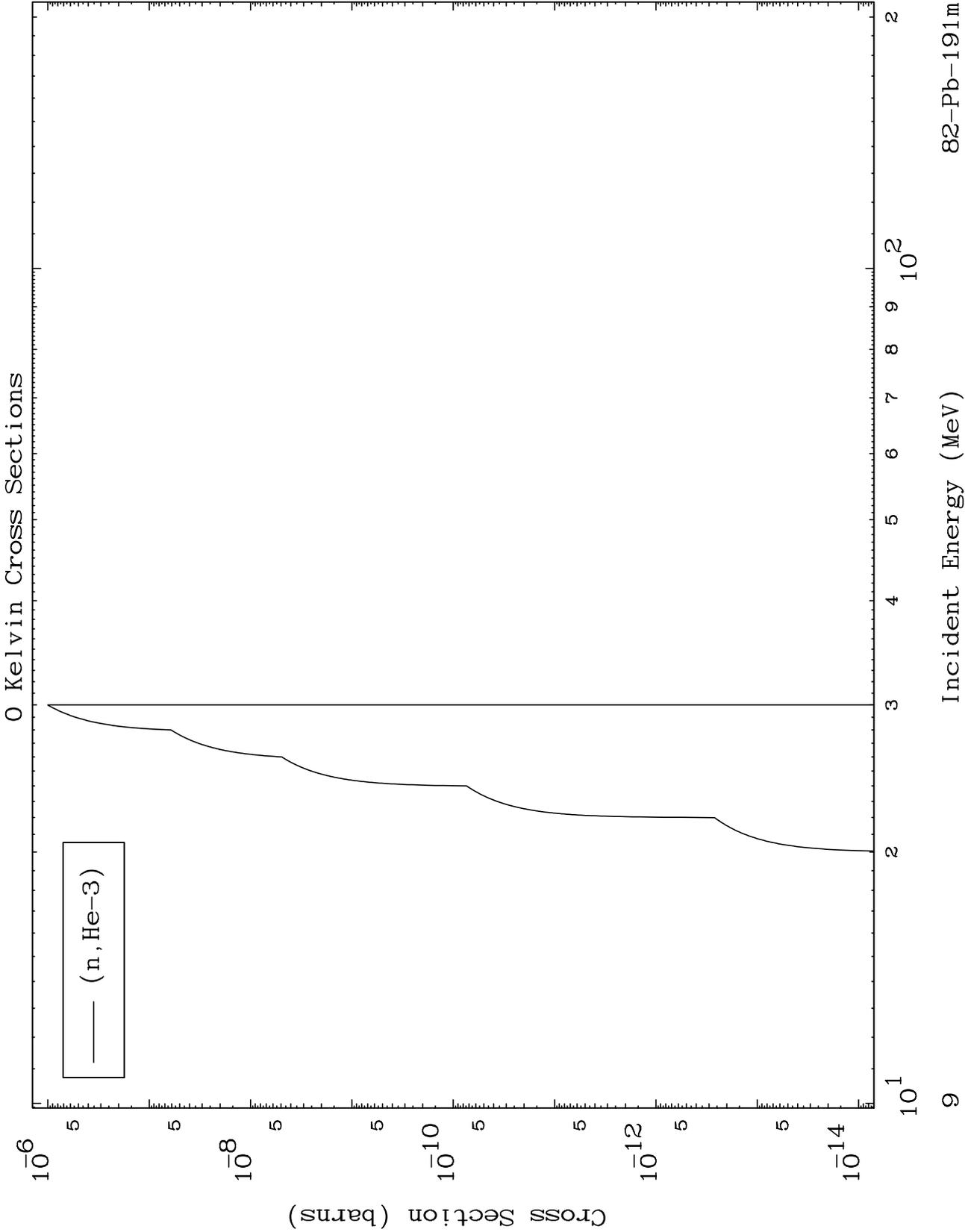
Incident Energy (MeV)

82-Pb-191m

MAT 8187

($\alpha, \text{He}3$) Levels

82-Pb-191m

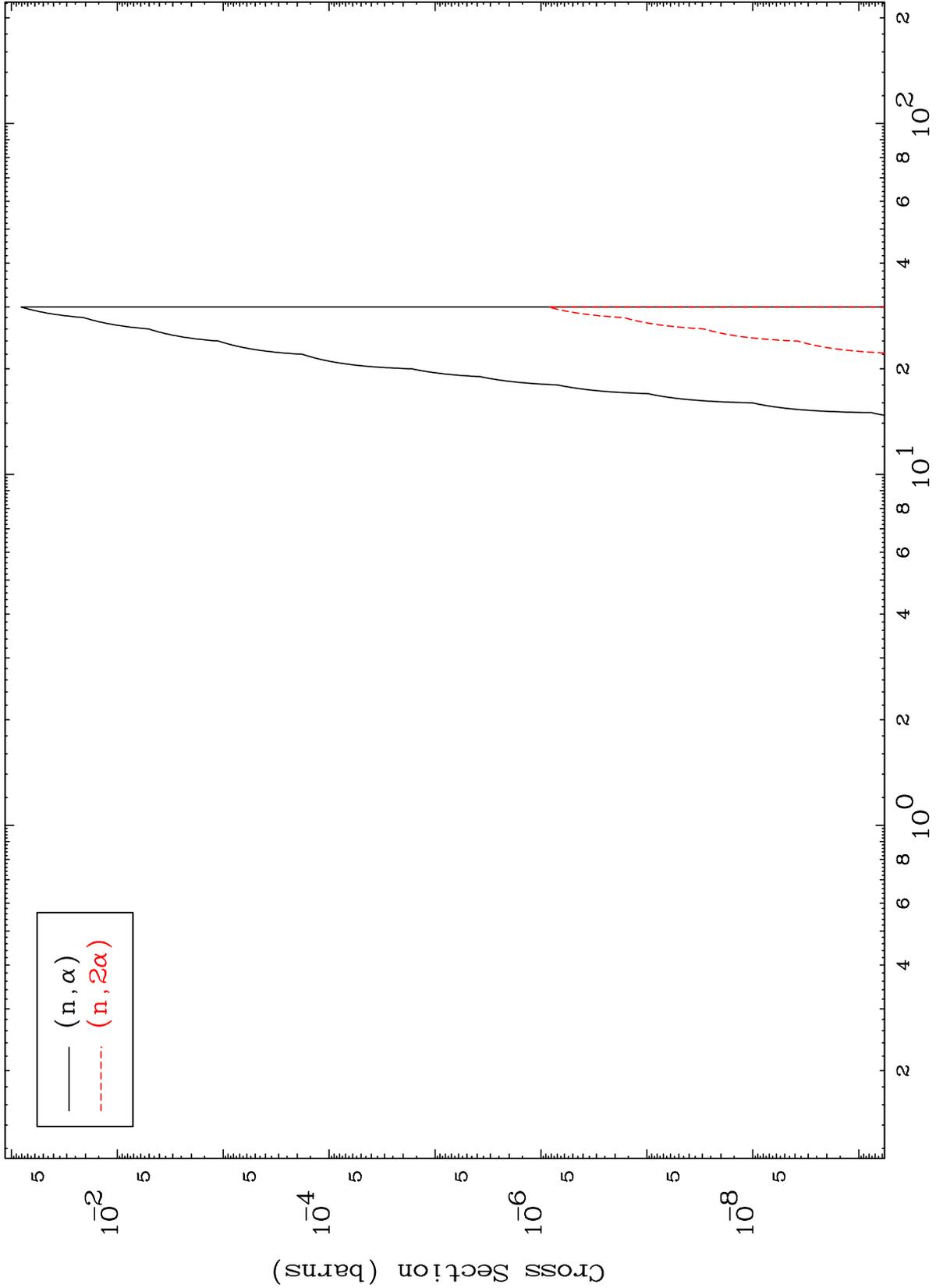


MAT 8187

(α, α) Levels

$^{82}\text{Pb-191m}$

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

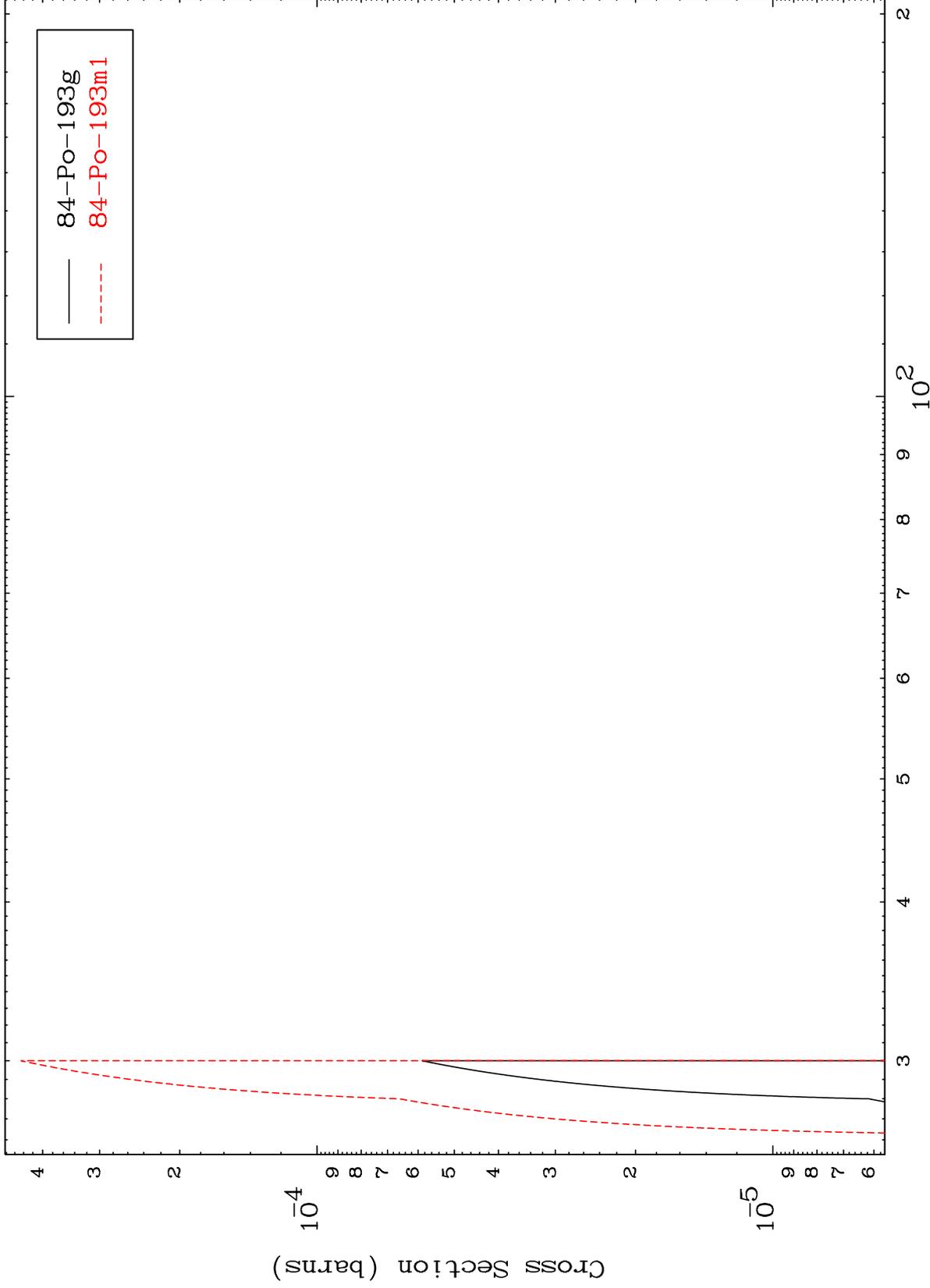
Incident Energy (MeV)

$^{82}\text{Pb-191m}$

MAT 8187

82-Pb-191m

(n,2n)
Radionuclide Production Cross Section



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82-Pb-191m

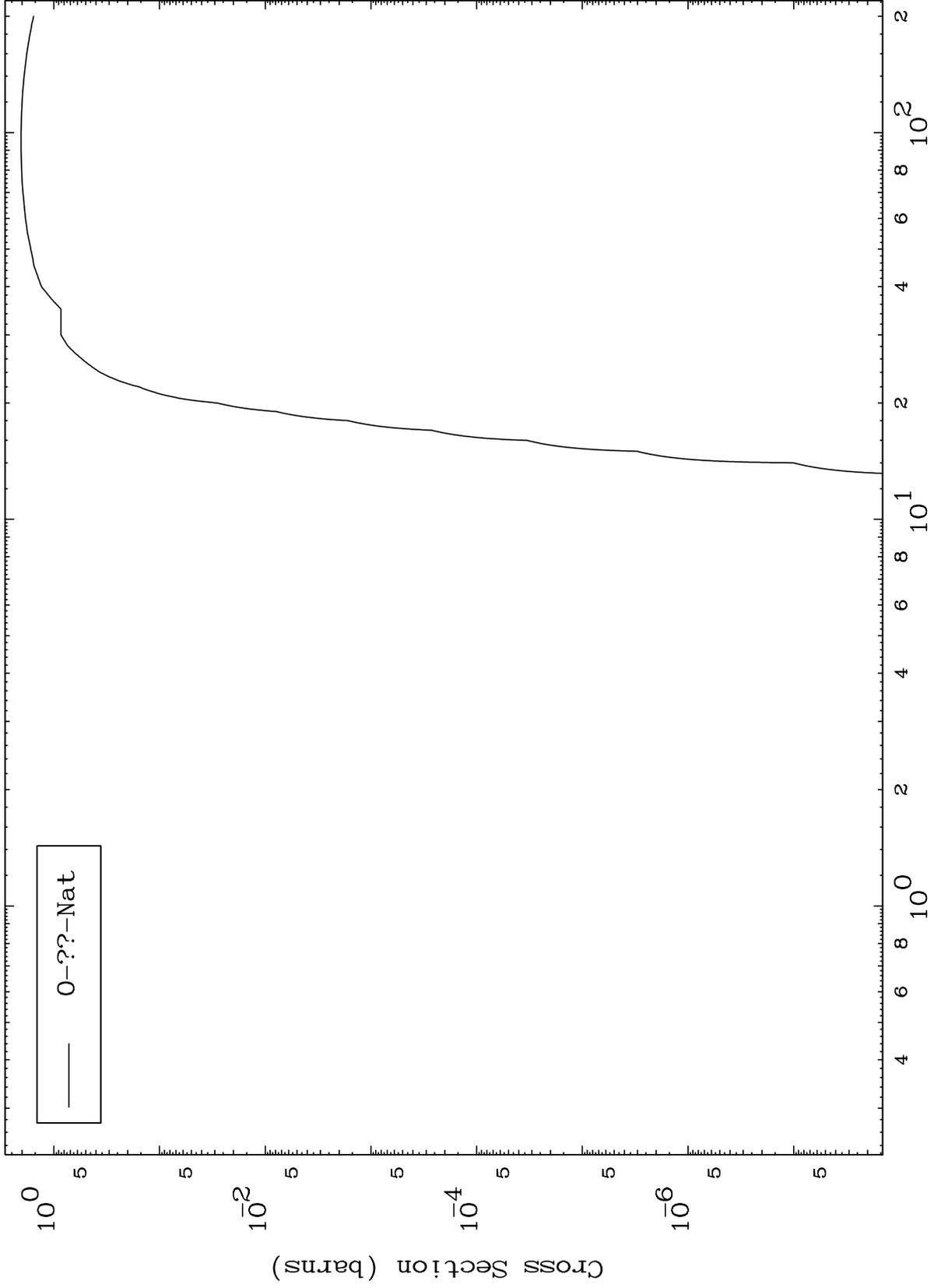
Incident Energy (MeV)

MAT 8187

Fission

⁸²Pb-191m

Radionuclide Production Cross Section

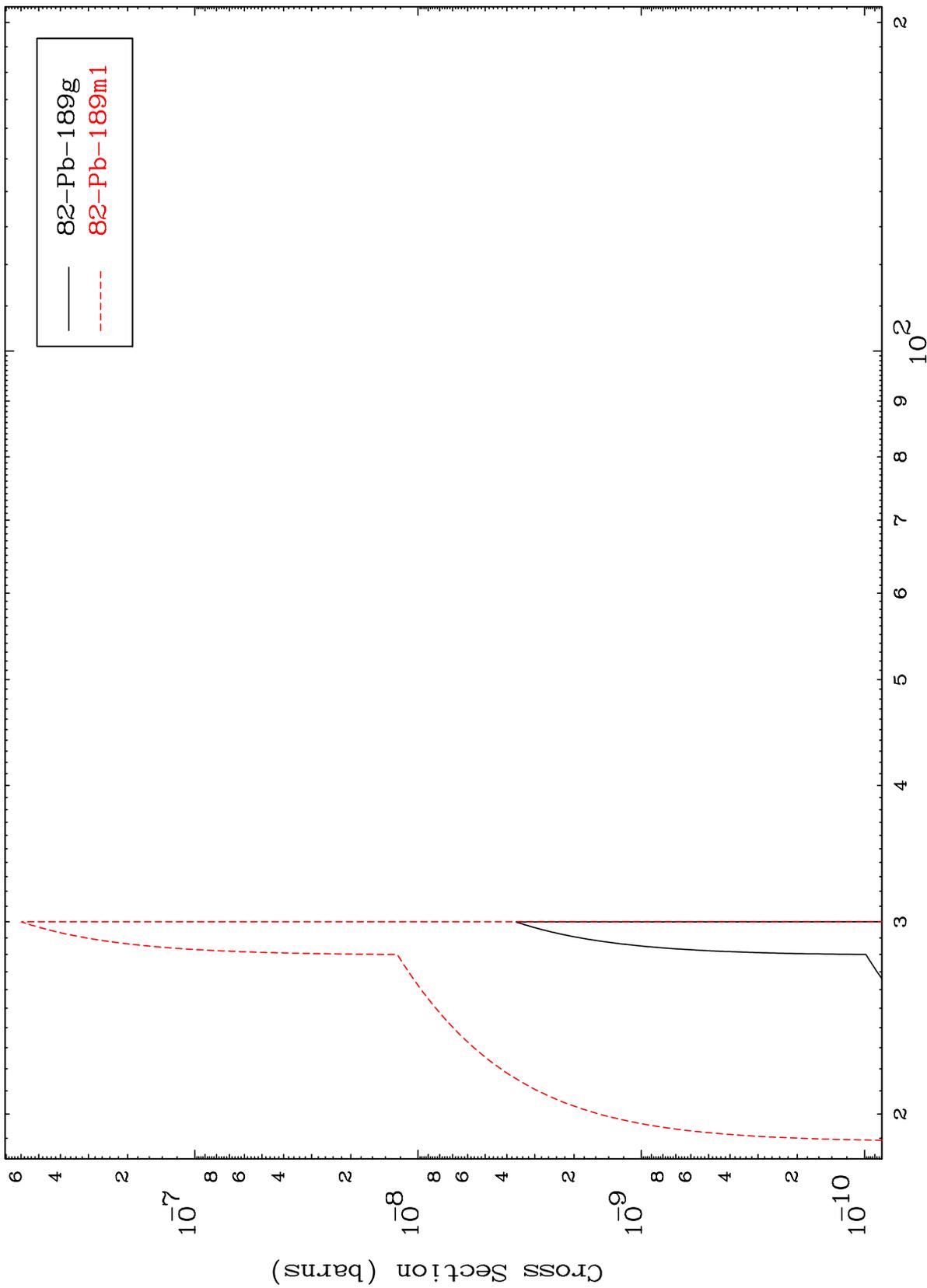


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$(n,2n) \alpha$

82-Pb-191m

Radionuclide Production Cross Section



13

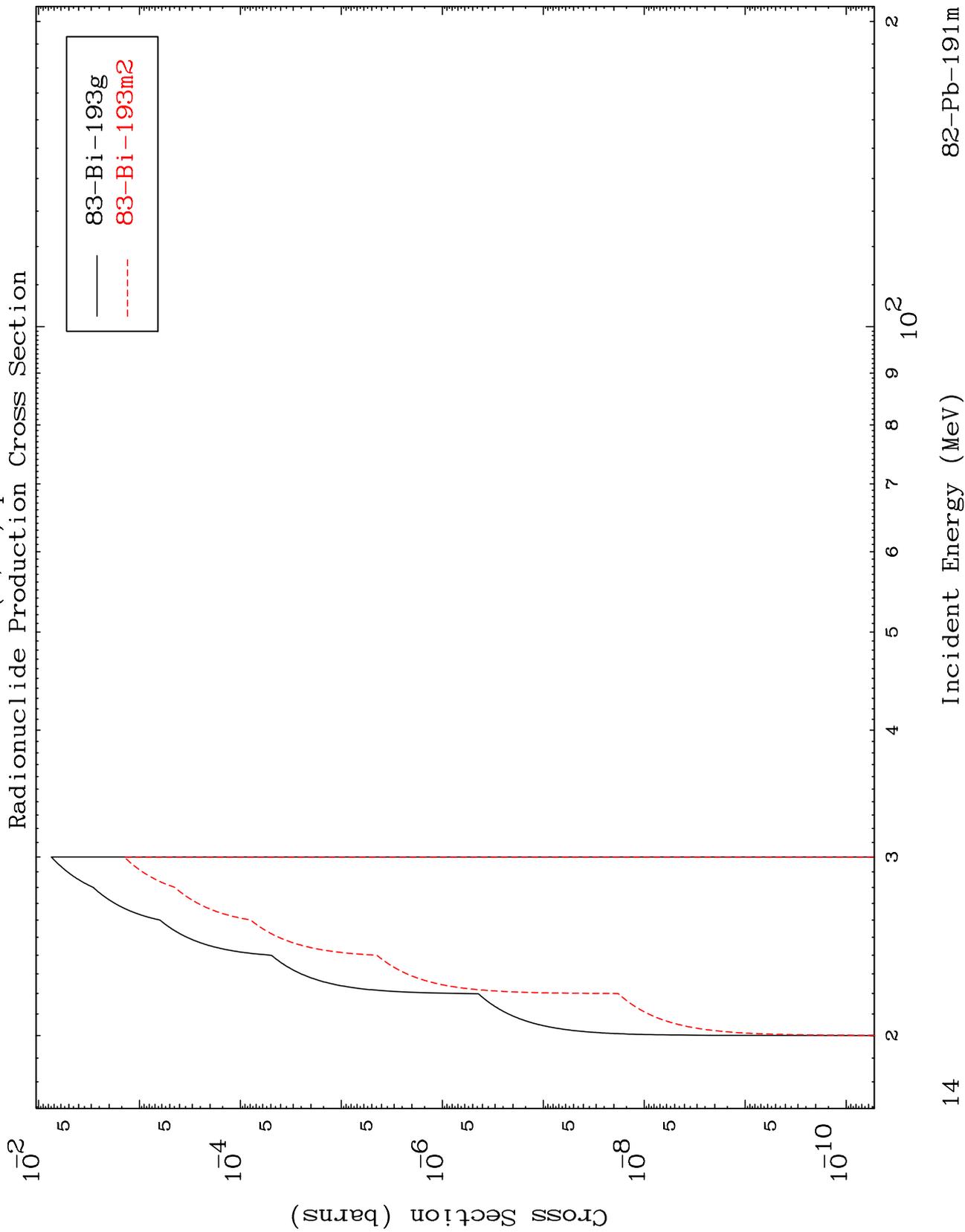
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(n,n') p

82-Pb-191m



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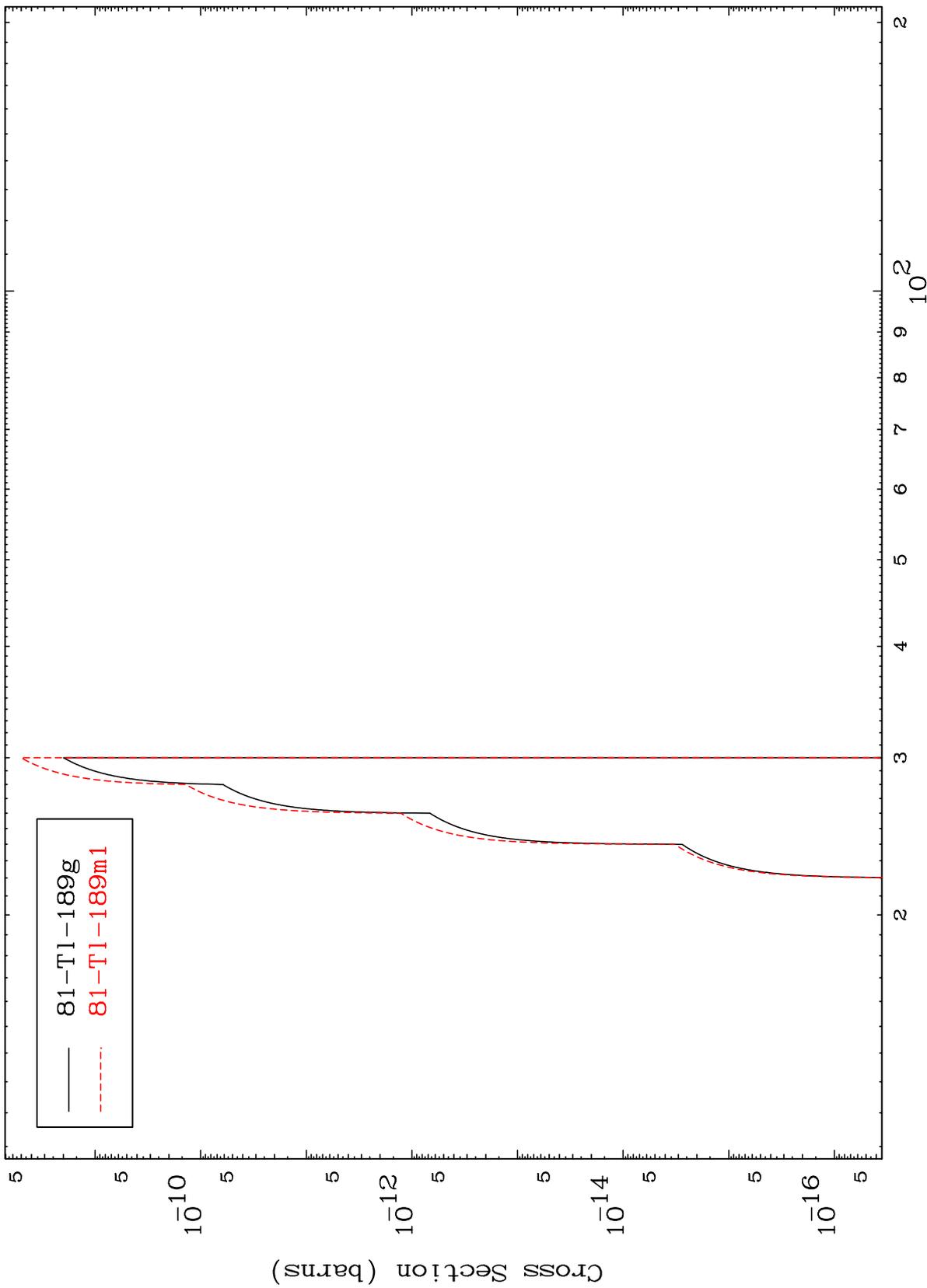
82-Pb-191m

MAT 8187

(n,n') p α

82-Pb-191m

Radionuclide Production Cross Section



15

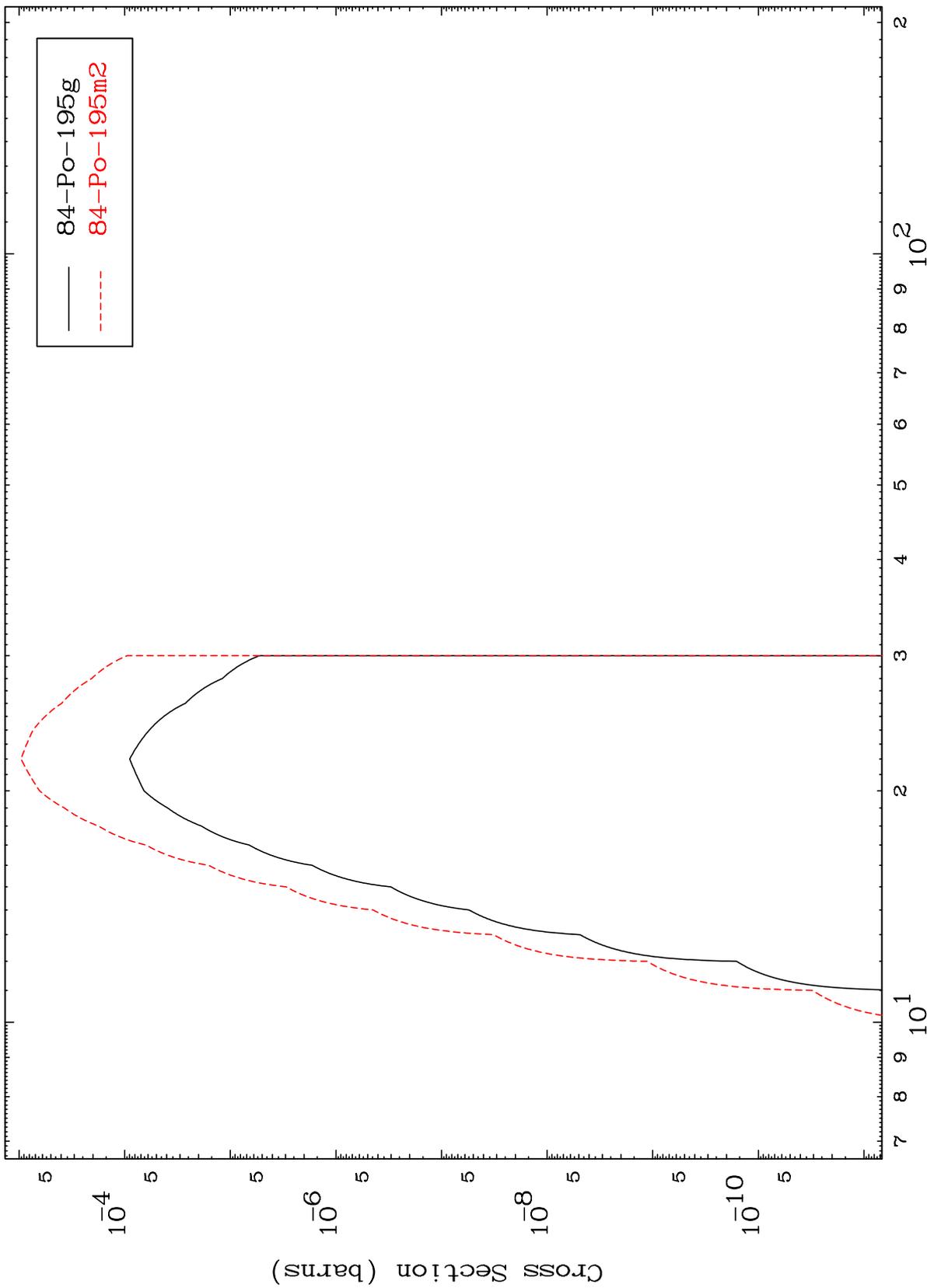
Incident Energy (MeV)

82-Pb-191m

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82-Pb-191m

(n, γ)
Radionuclide Production Cross Section



16

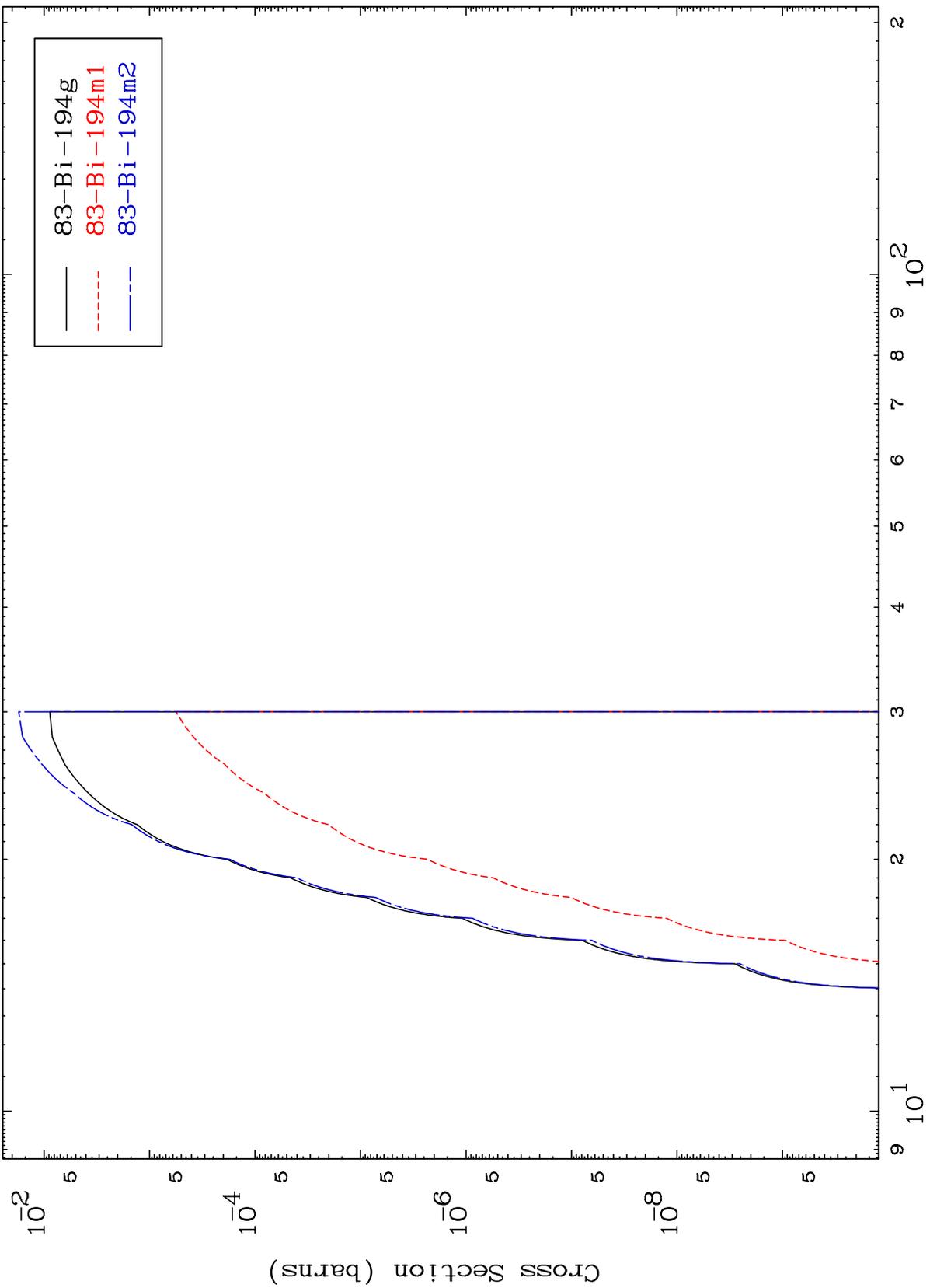
Incident Energy (MeV)

82-Pb-191m

MAT 8187

82-Pb-191m

(n,p)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

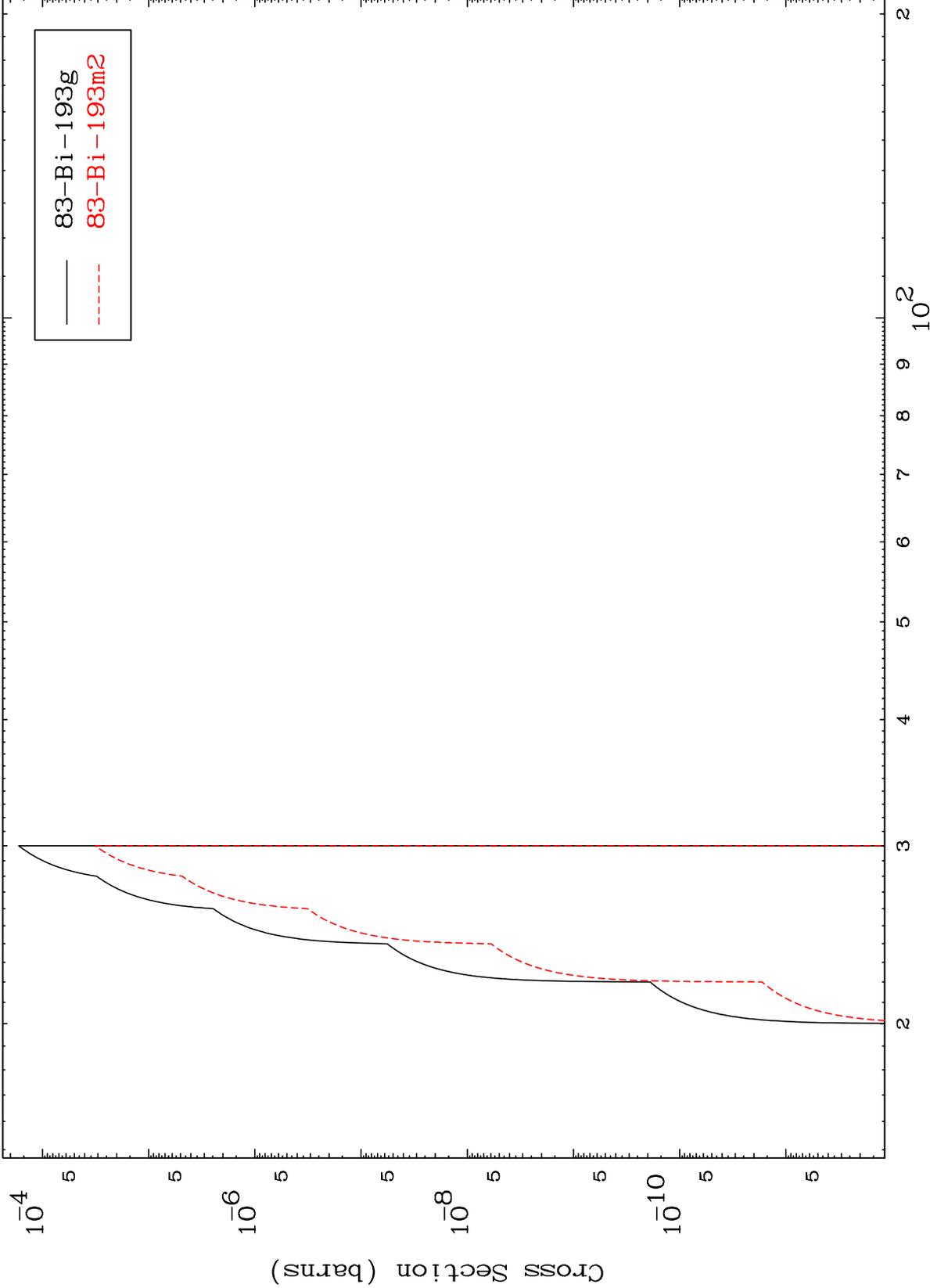
82-Pb-191m

MAT 8187

(n,d)

82-Pb-191m

Radionuclide Production Cross Section



18

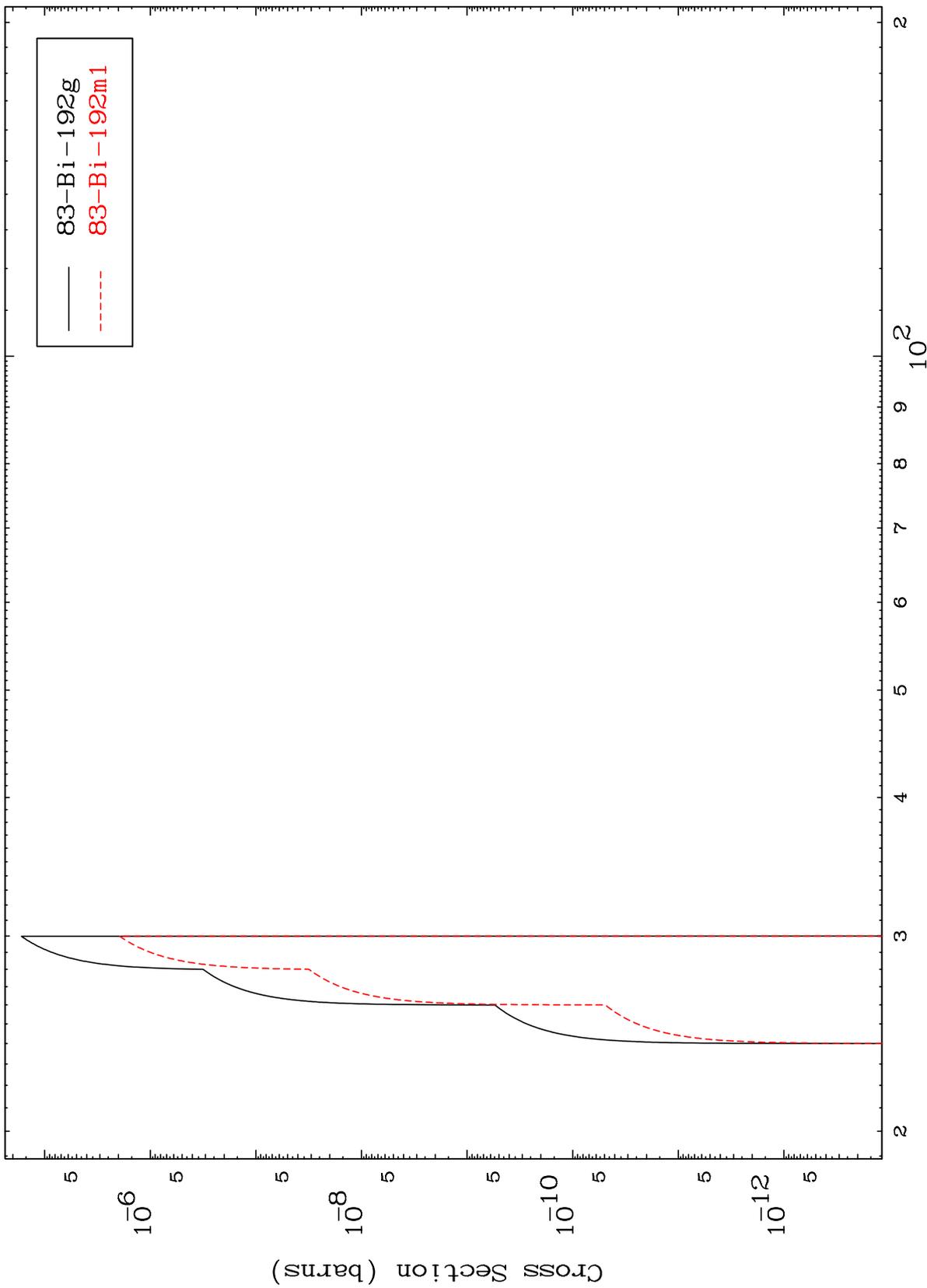
Incident Energy (MeV)

82-Pb-191m

MAT 8187

82-Pb-191m

(n,t)
Radionuclide Production Cross Section



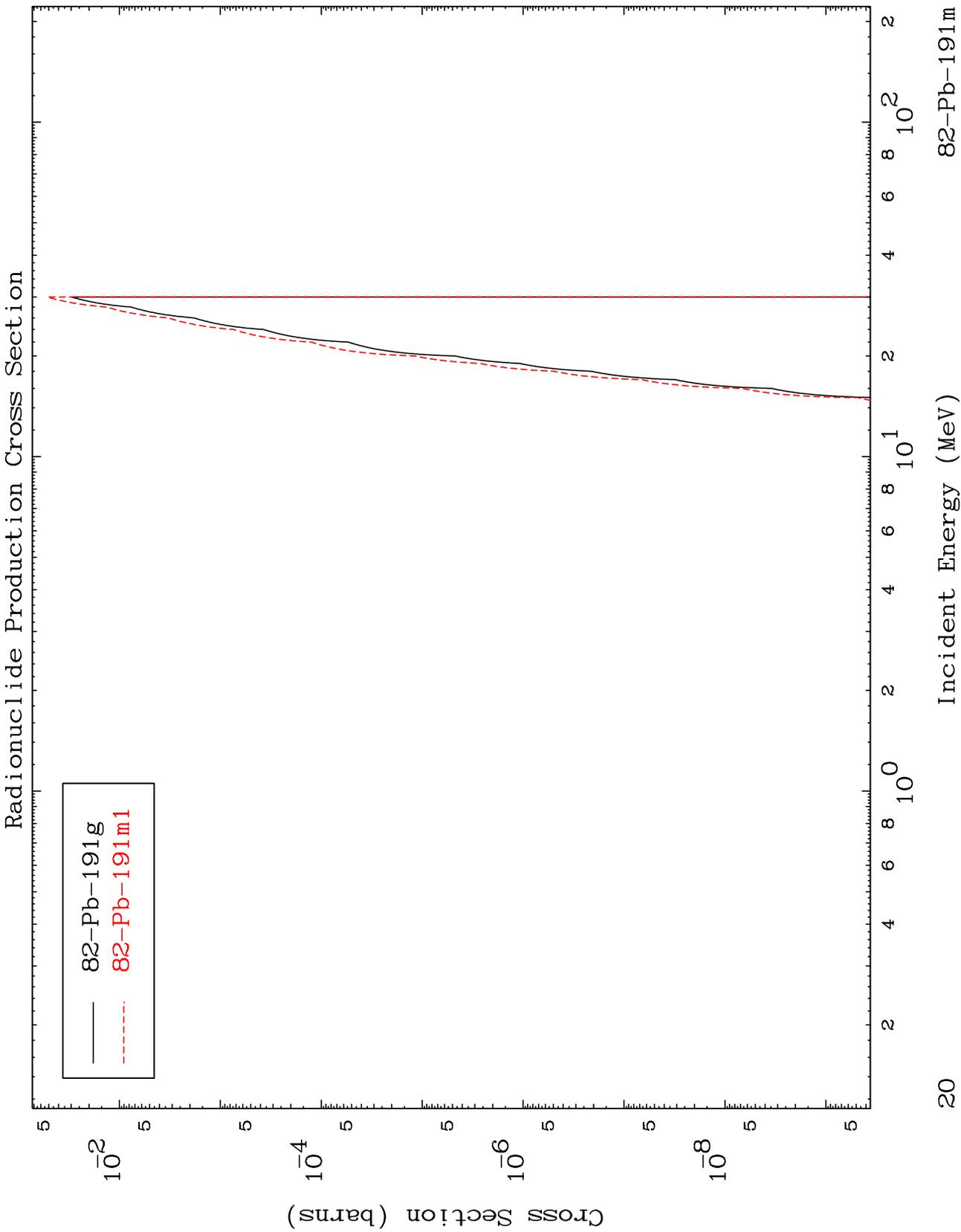
19

Incident Energy (MeV)

82-Pb-191m

MAT 8187

⁸²Pb-191m

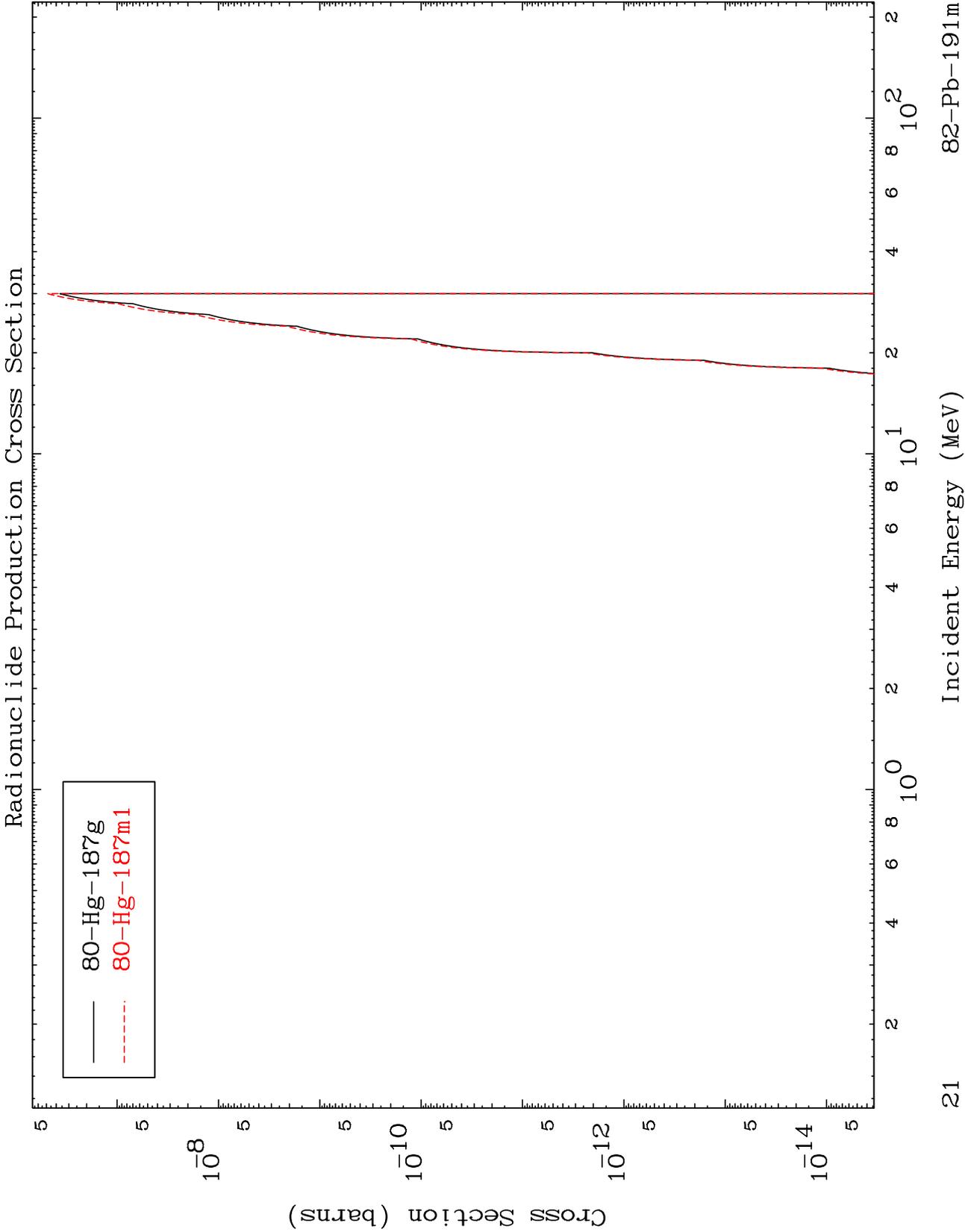


— 82-Pb-191g
- - - 82-Pb-191m1

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(n,2α)

82-Pb-191m

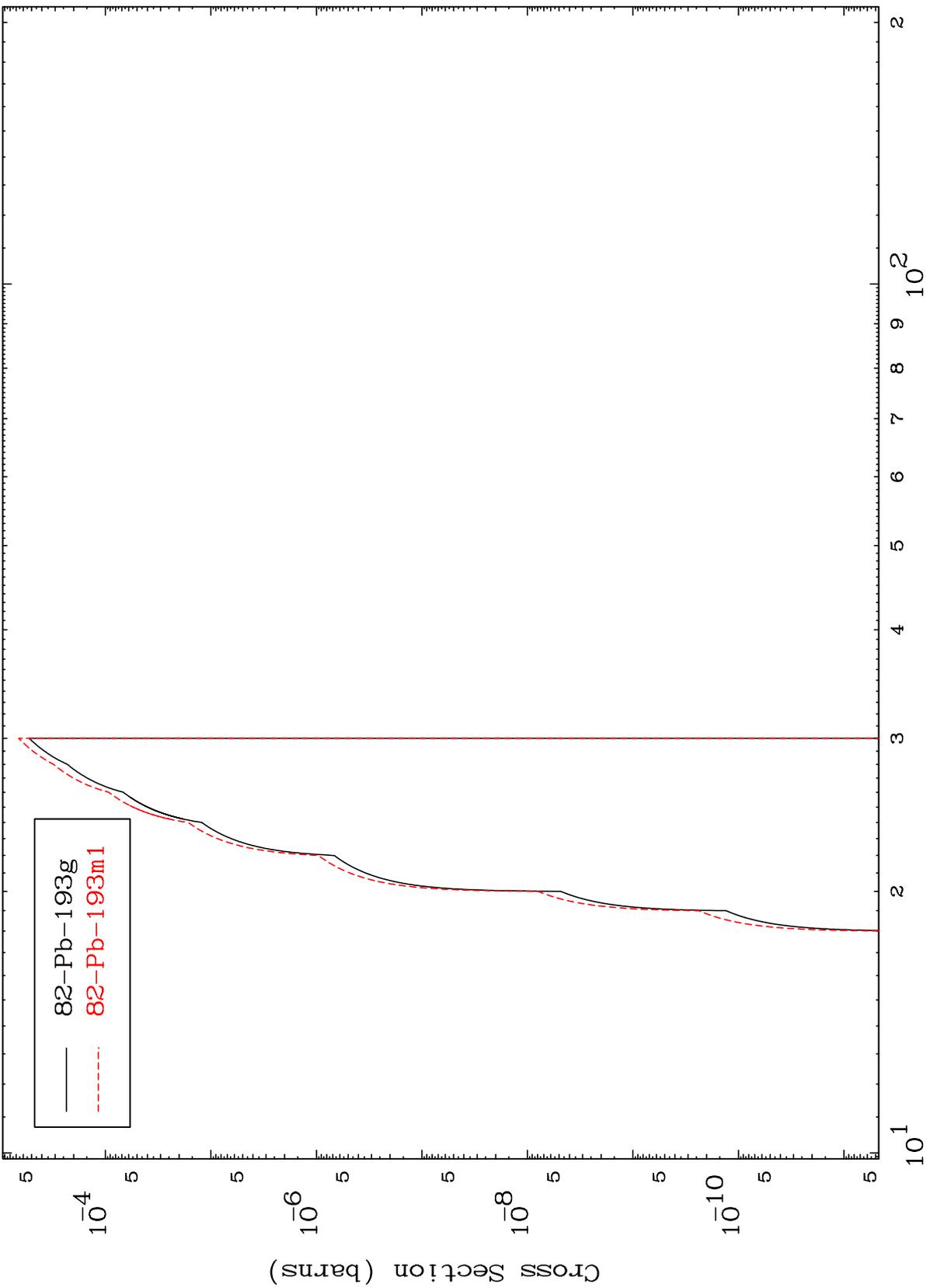


80-Hg-187g
80-Hg-187m1

MAT 8187

82-Pb-191m

Radionuclide Production Cross Section
(n,2p)



Incident Energy (MeV)

82-Pb-191m

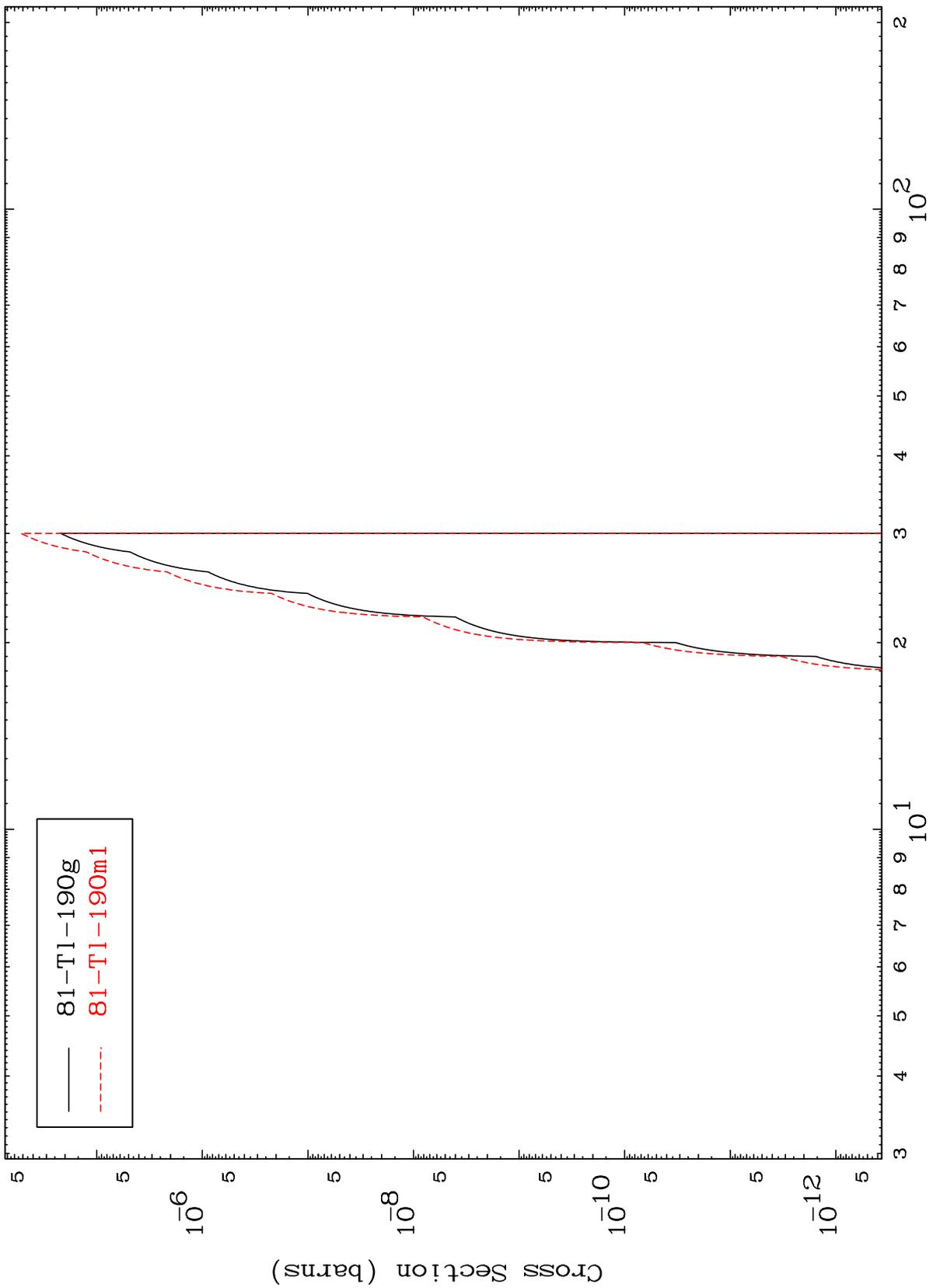
22

MAT 8187

(n,p) α

82-Pb-191m

Radionuclide Production Cross Section



81-Tl-190g
81-Tl-190m1

Incident Energy (MeV)

82-Pb-191m

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