

Program EVALPLOT
(Version 2021-1)

by

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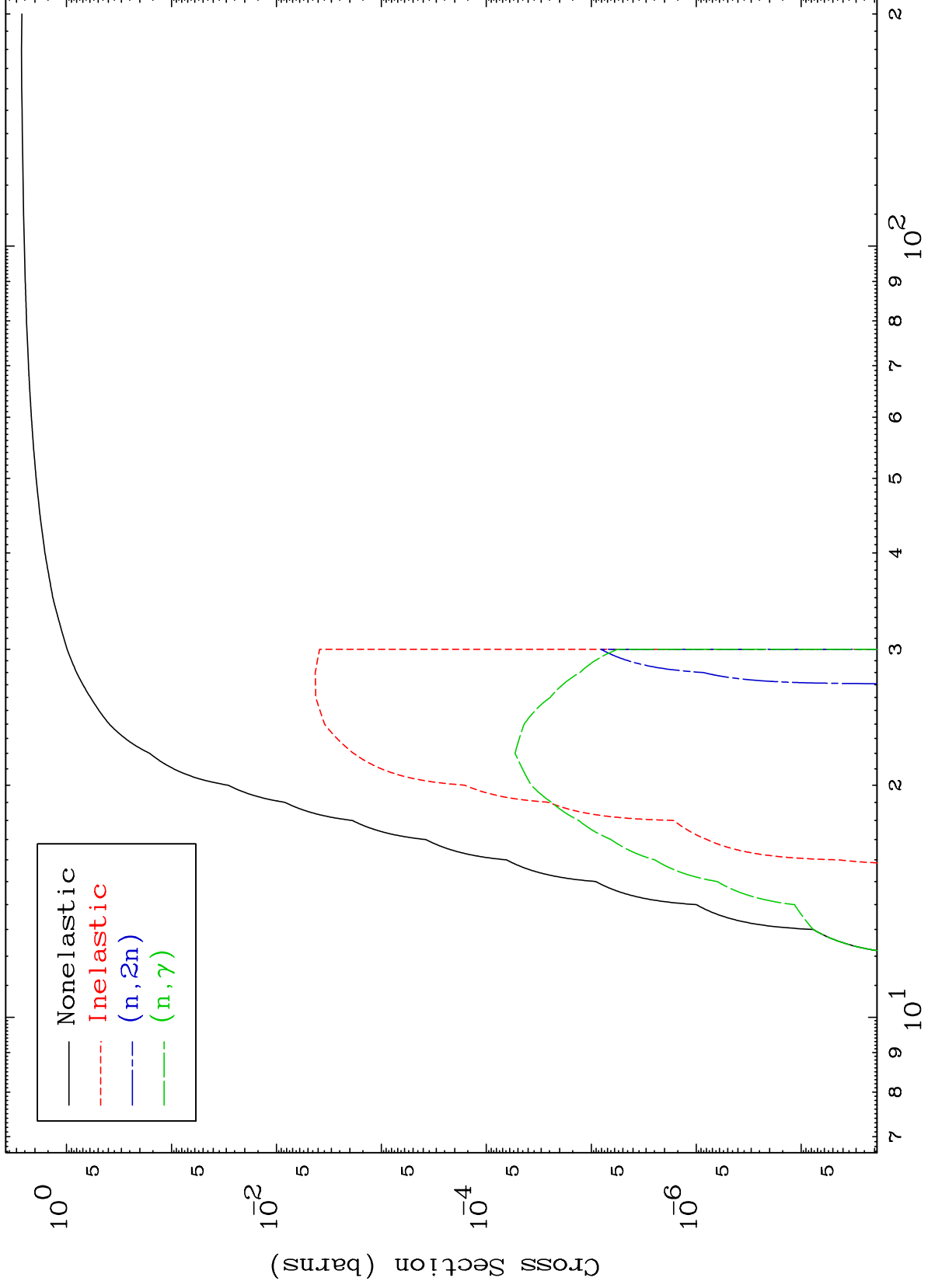
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8180

0 Kelvin Cross Sections

82-Pb-189



1

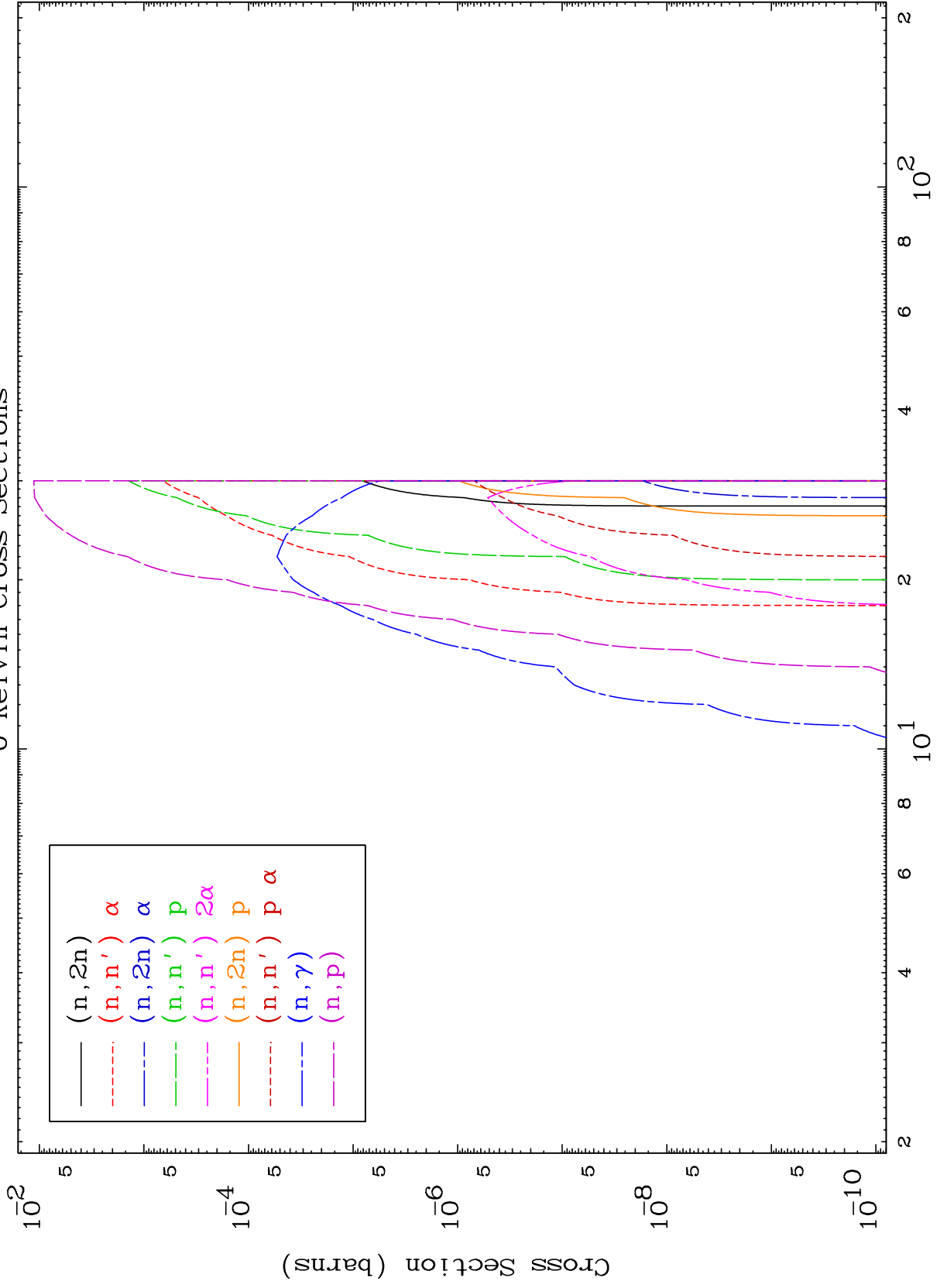
Incident Energy (MeV)

82-Pb-189

MAT 8180

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-189



2

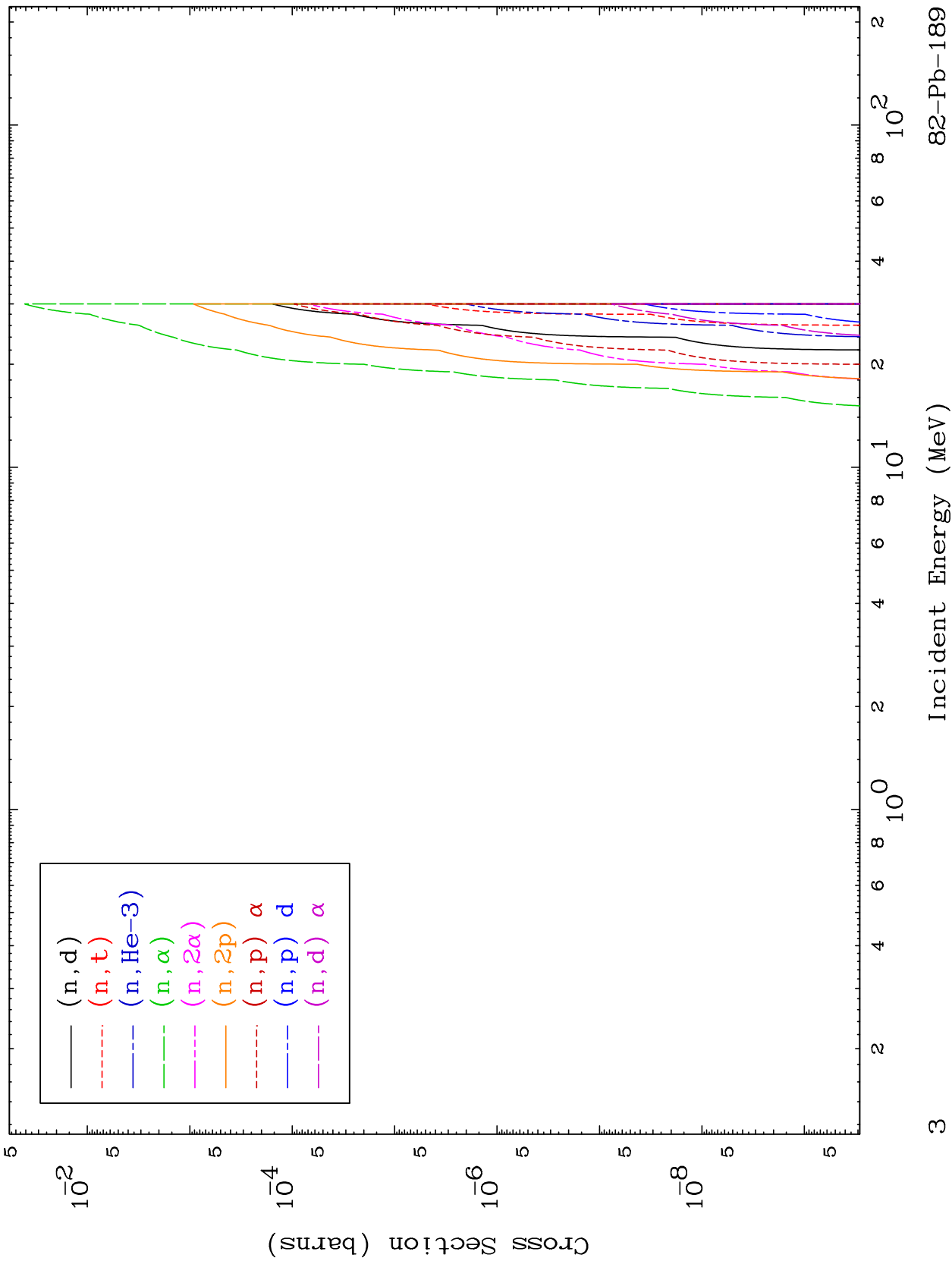
Incident Energy (MeV)

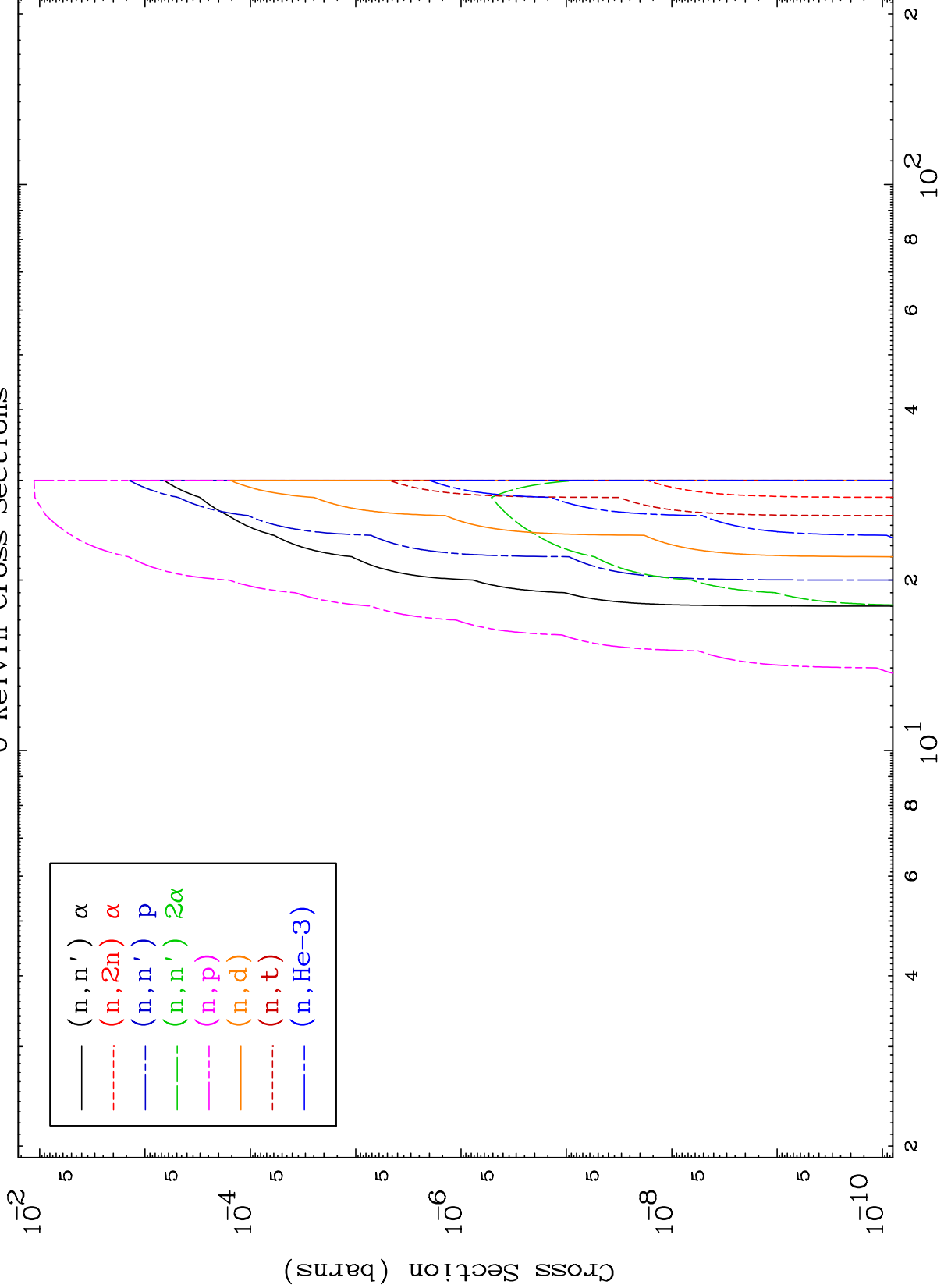
82-Pb-189

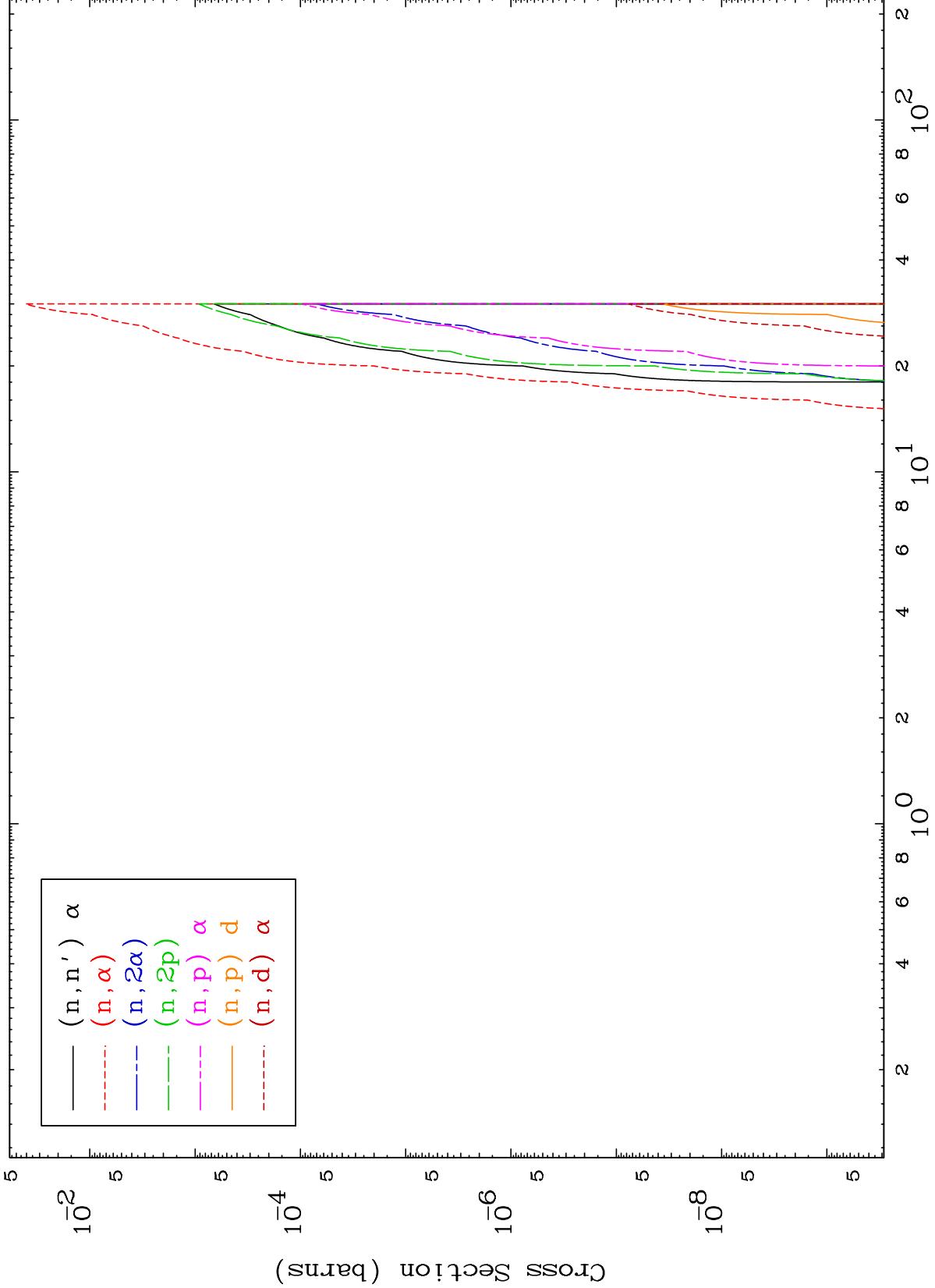
MAT 8180

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-189



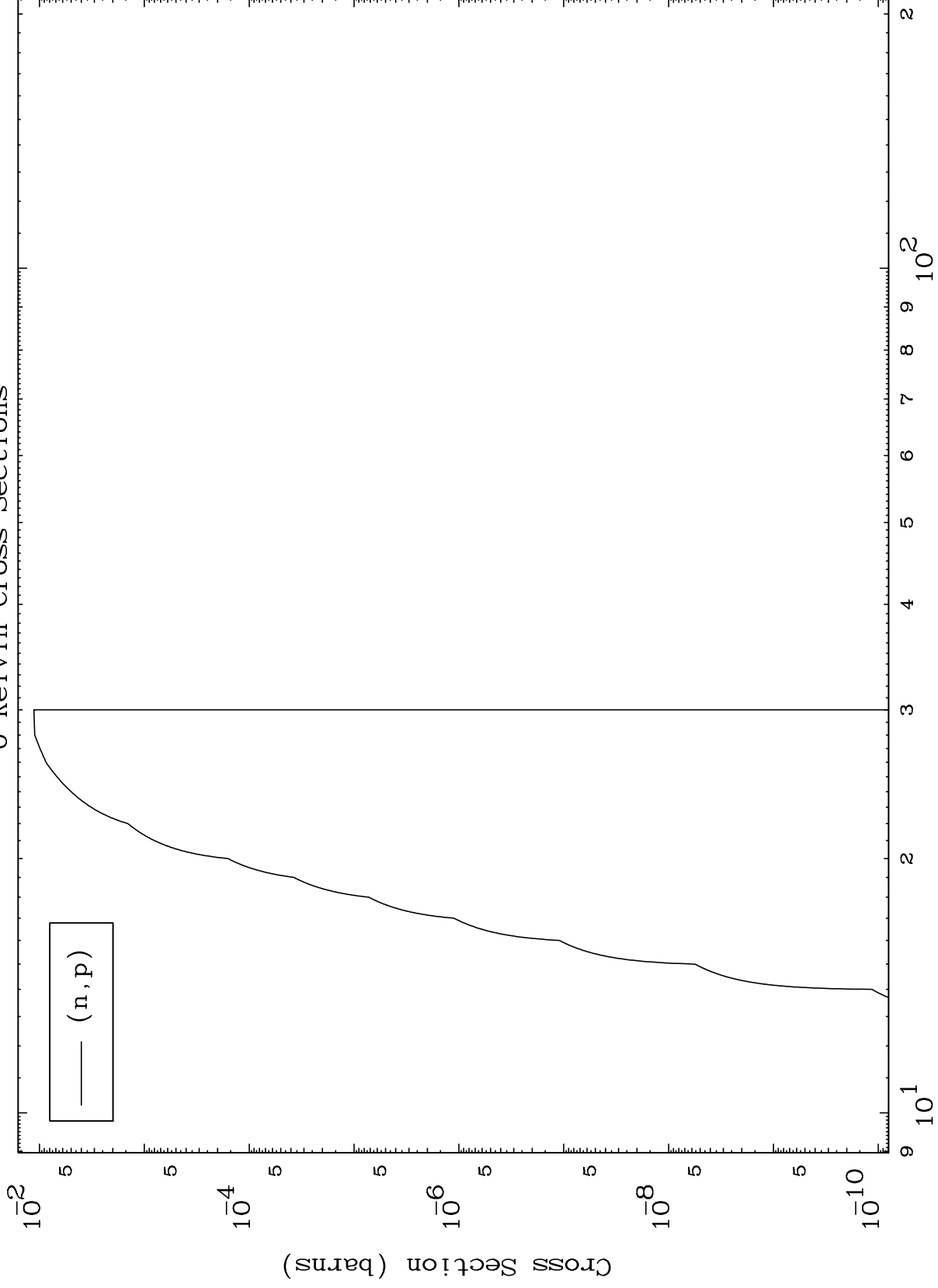




MAT 8180

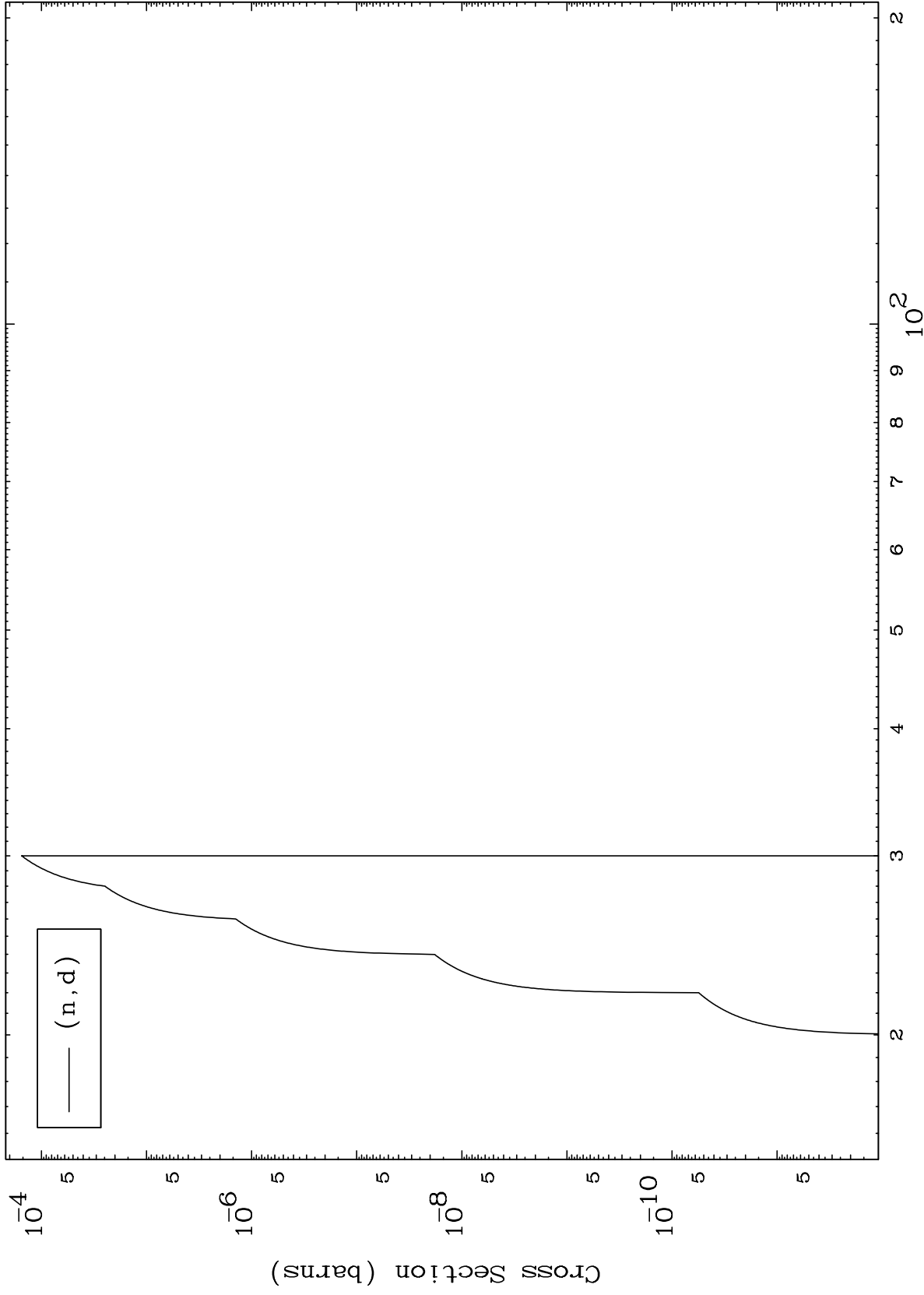
(α, p) Levels
0 Kelvin Cross Sections

82-Pb-189



Incident Energy (MeV)

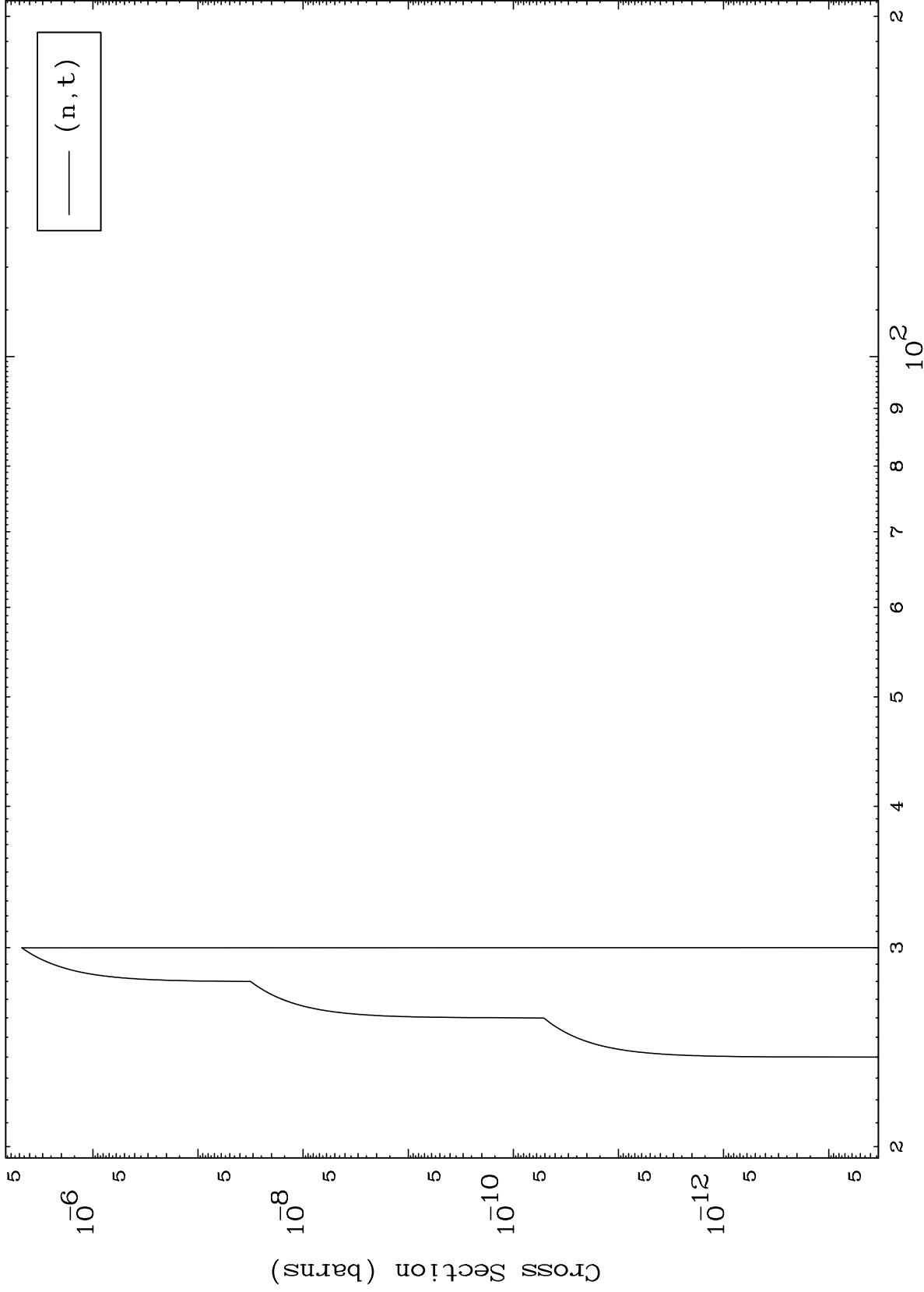
82-Pb-189



MAT 8180

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-189



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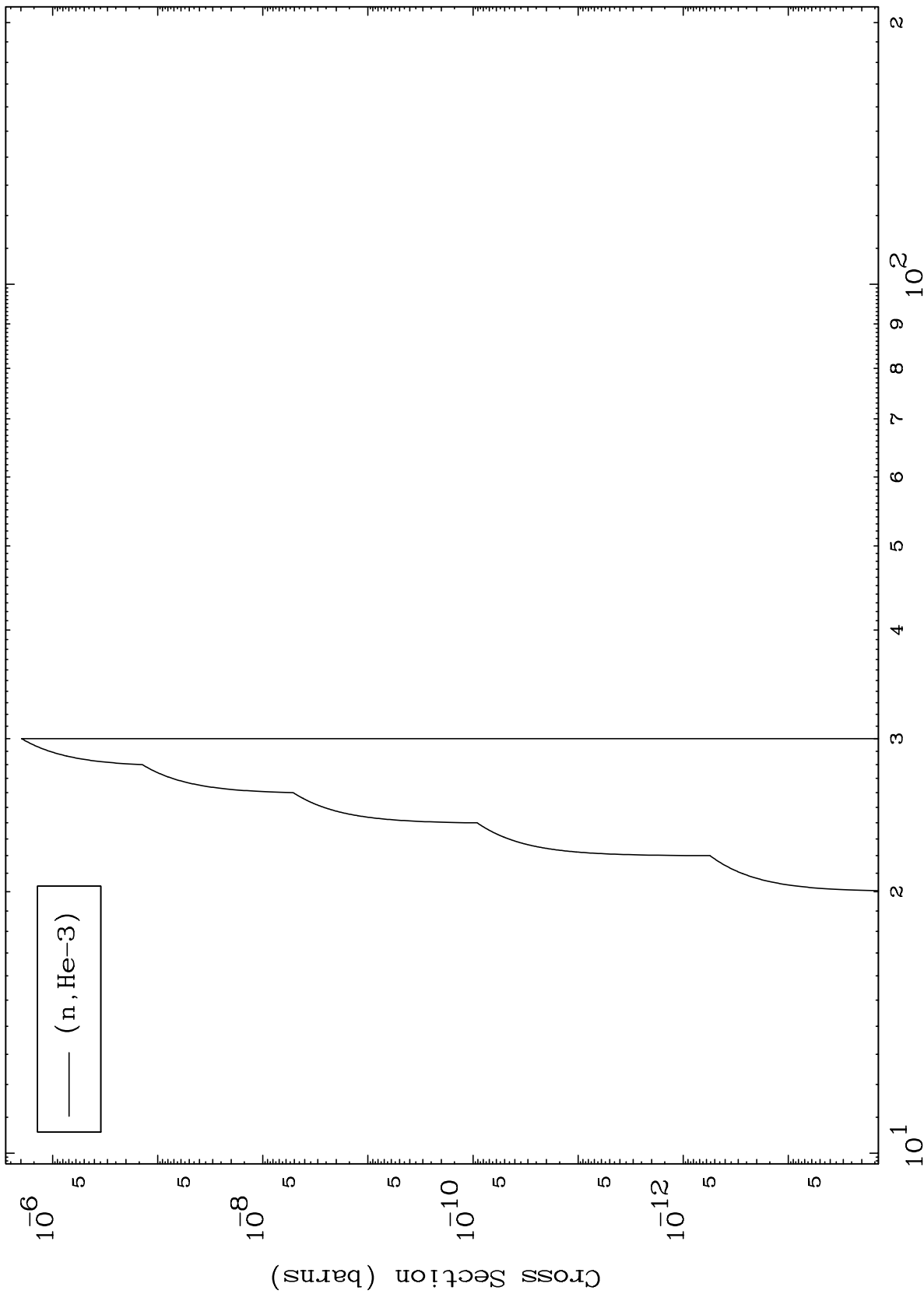
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections



82-Pb-189

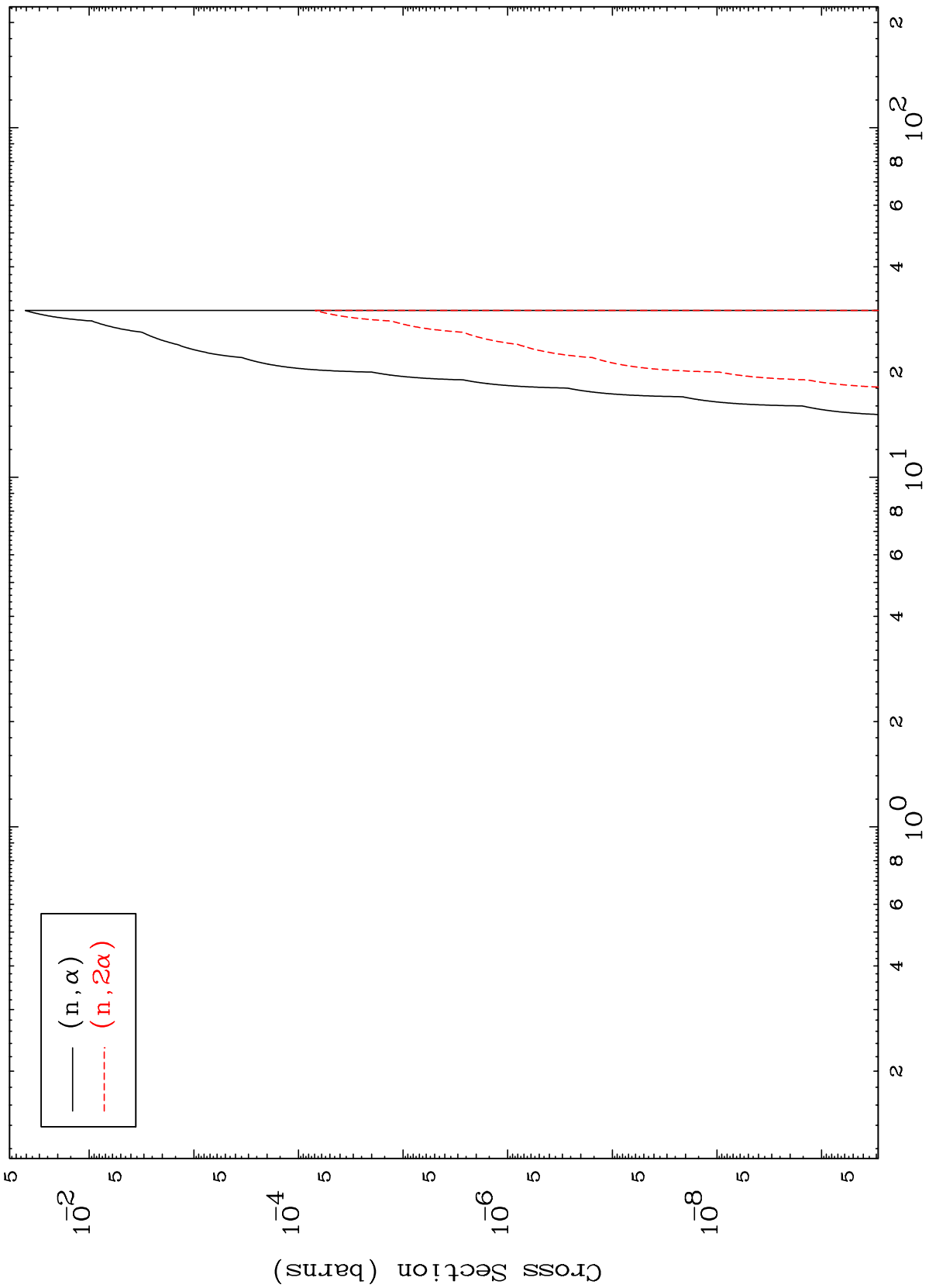
Incident Energy (MeV)

MAT 8180

(α, α) Levels

82-Pb-189

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

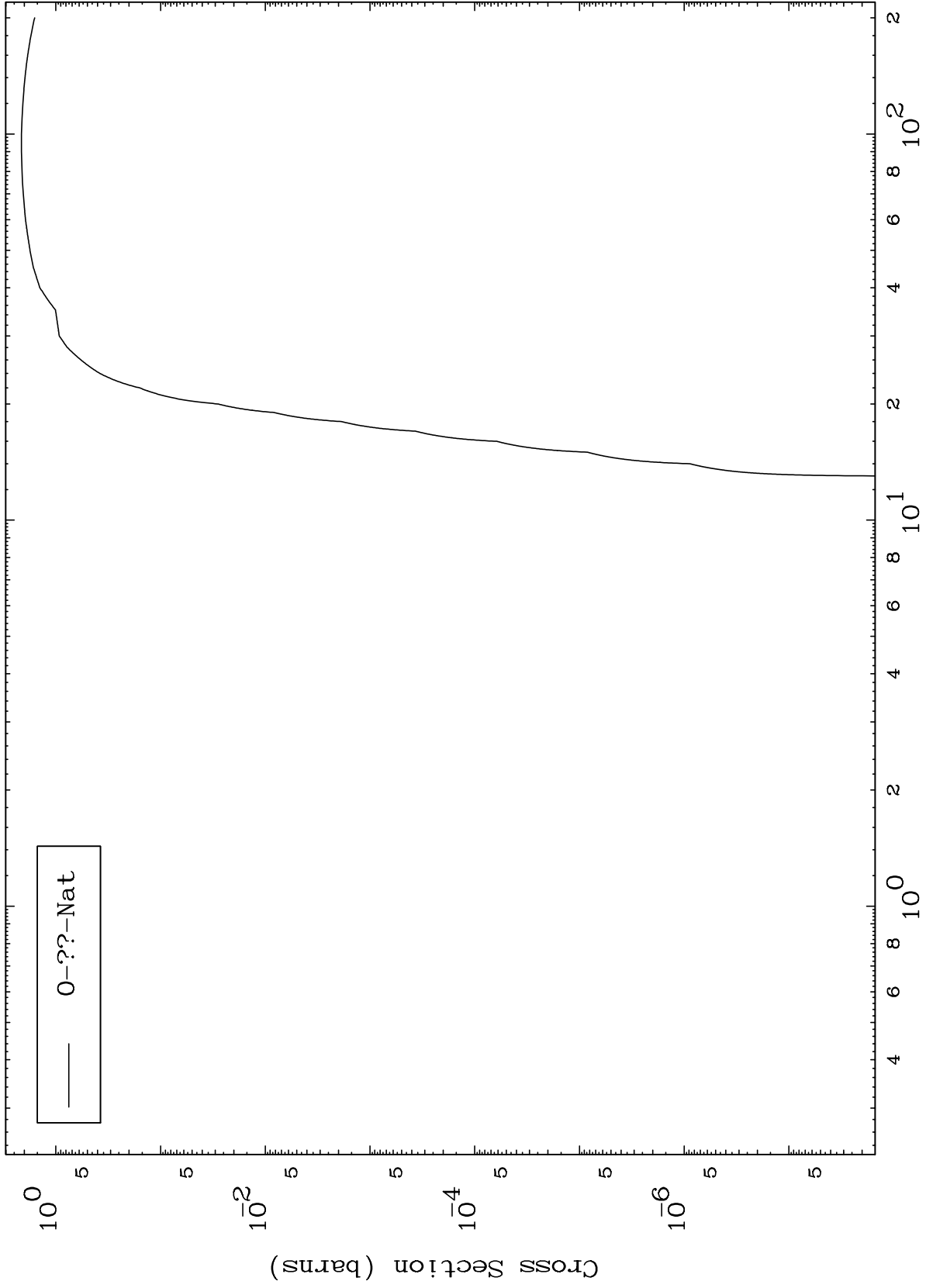
82-Pb-189

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Fission

82-Pb-189

Radionuclide Production Cross Section

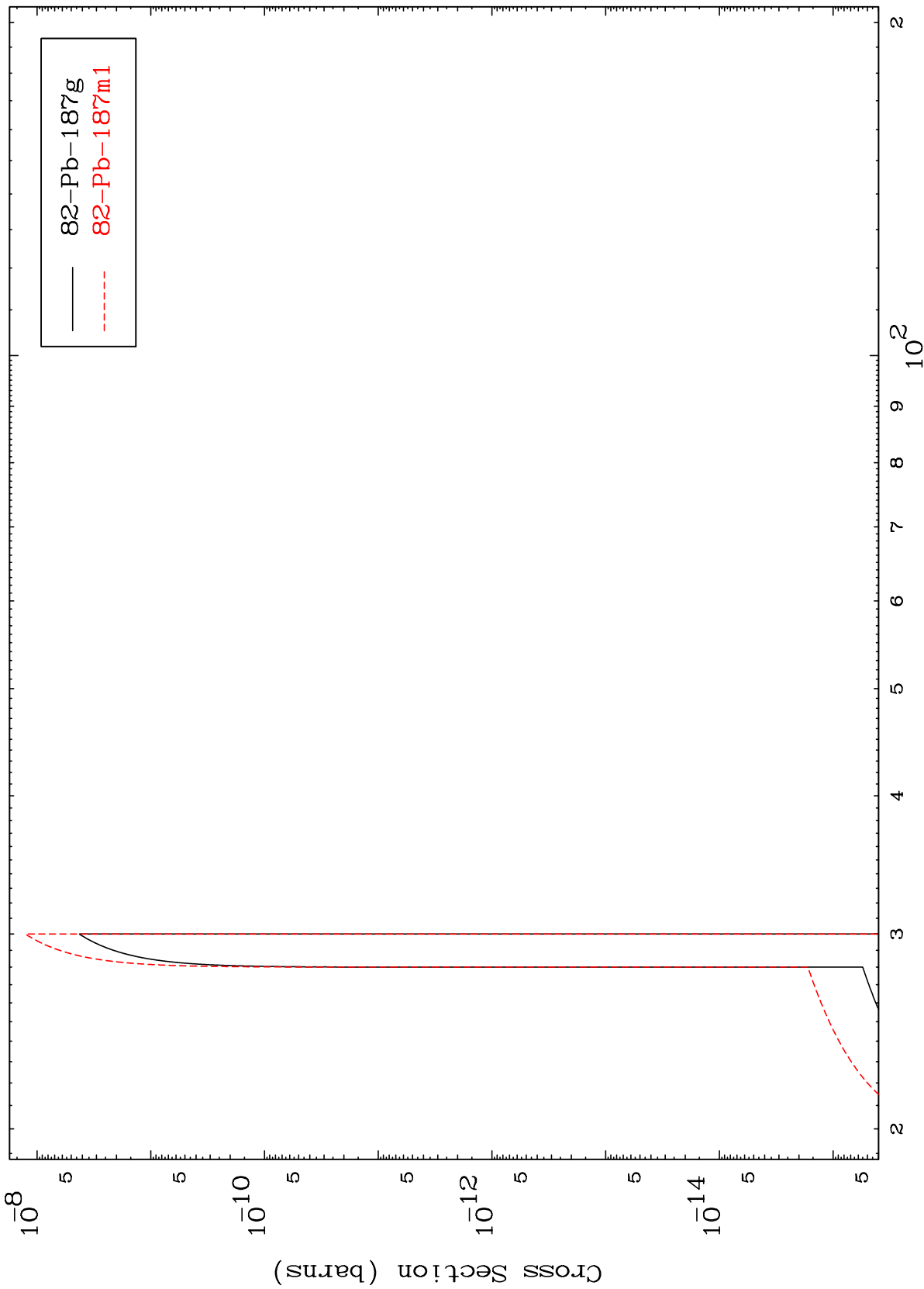


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$(n,2n) \alpha$

82-Pb-189

Radionuclide Production Cross Section

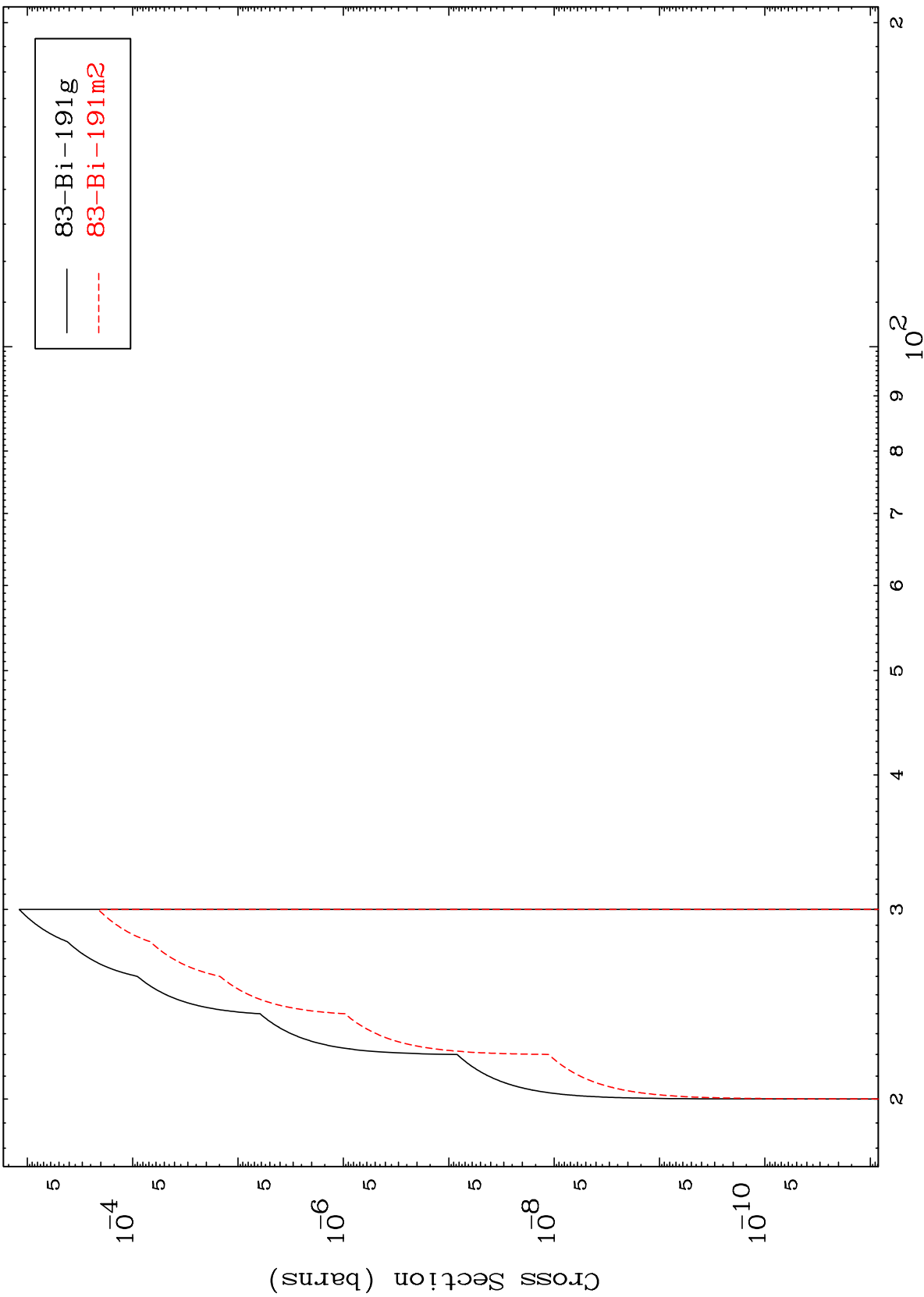


12

Incident Energy (MeV)

82-Pb-189

Radionuclide Production Cross Section

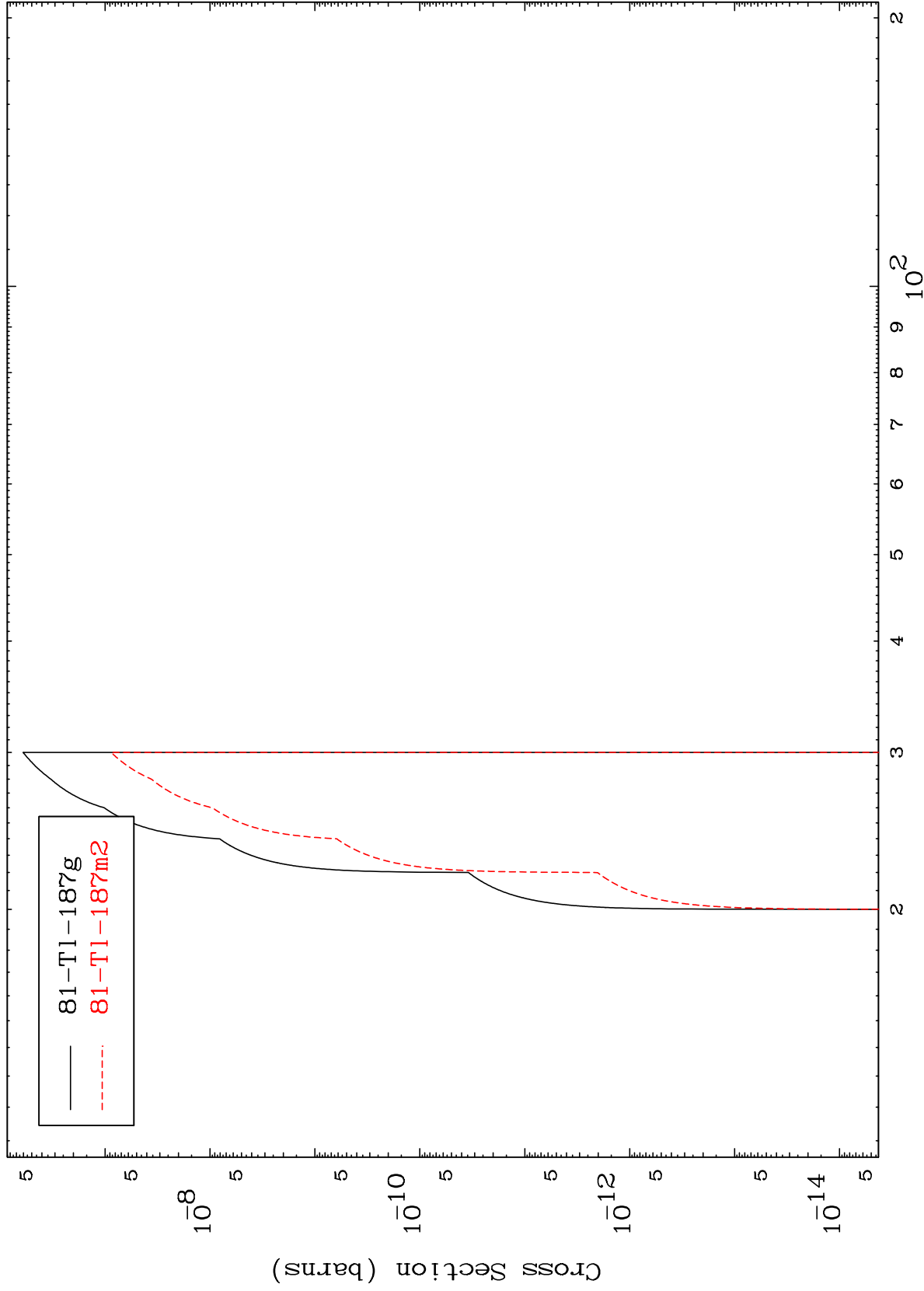


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(n,n') p α

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Radionuclide Production Cross Section



14

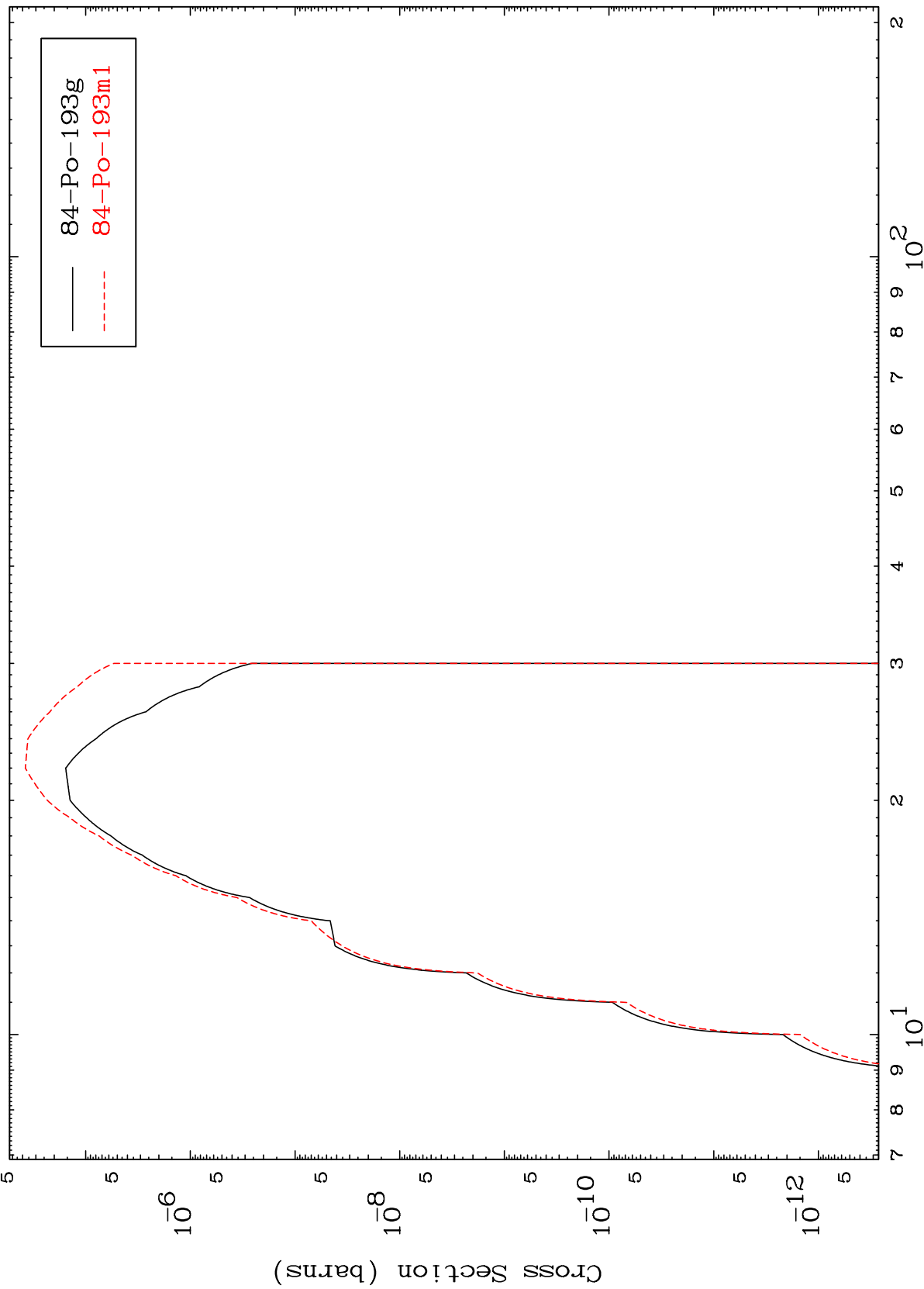
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

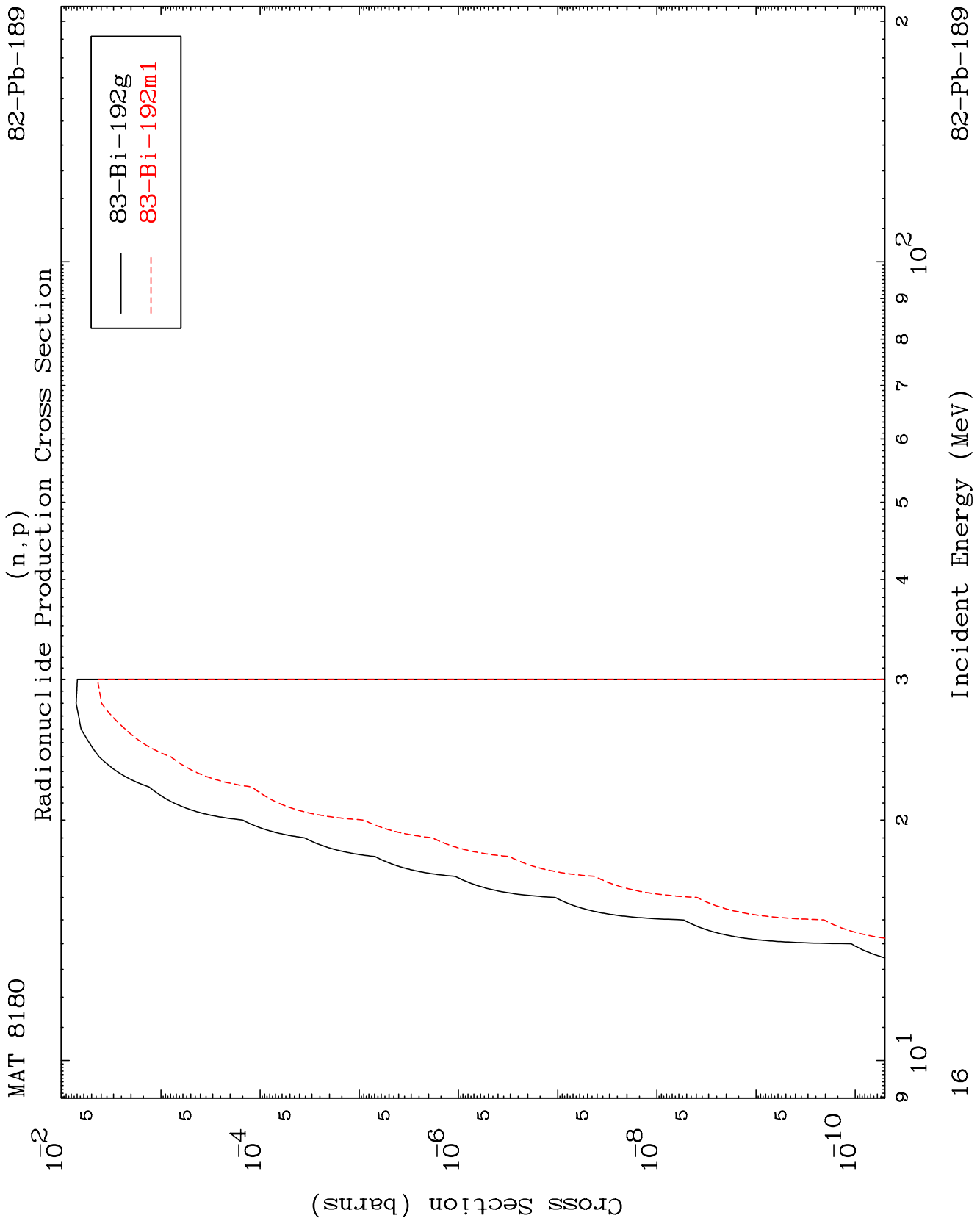
(n, γ)
Radionuclide Production Cross Section



82-Pb-189

Incident Energy (MeV)

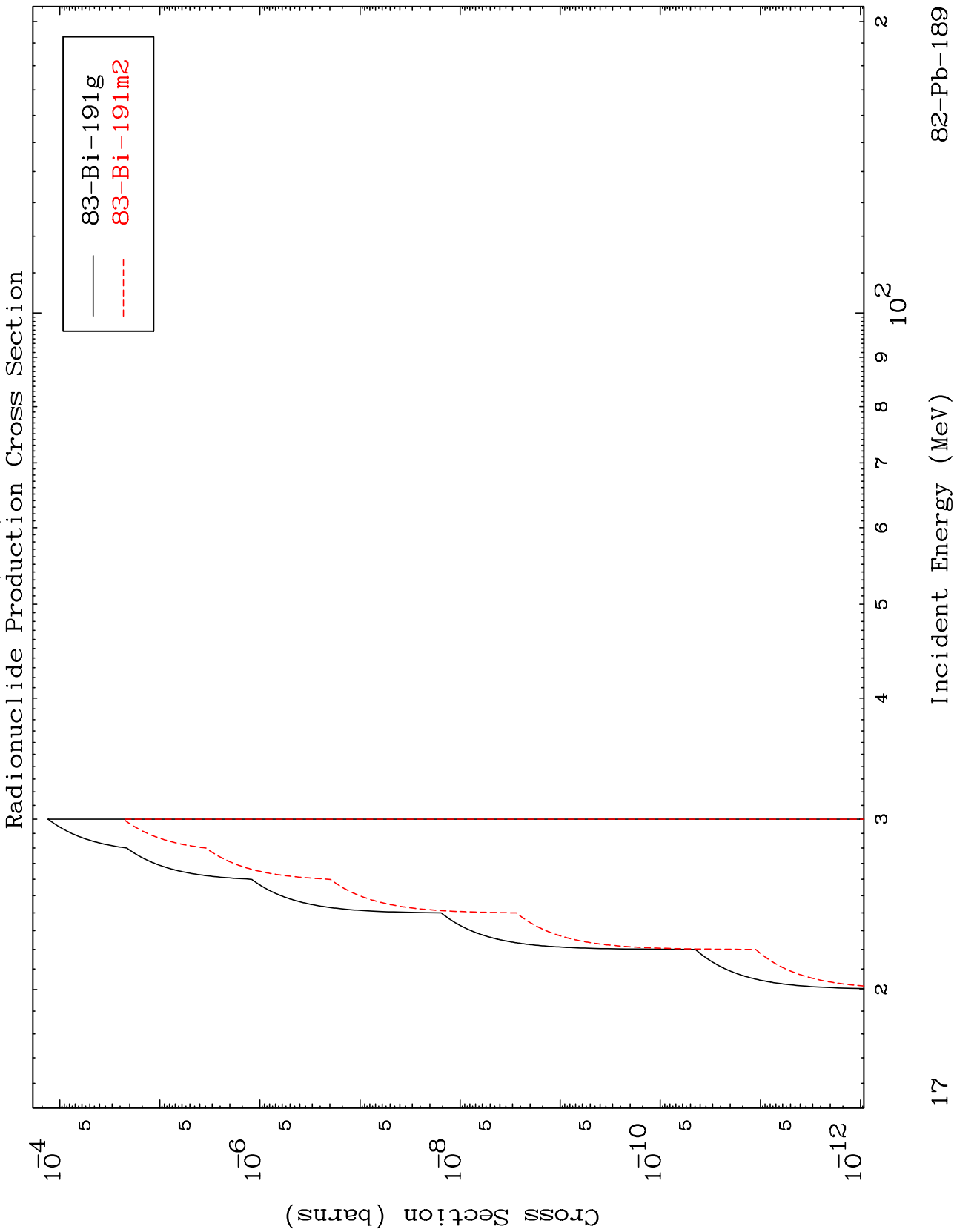
15



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(n,d)

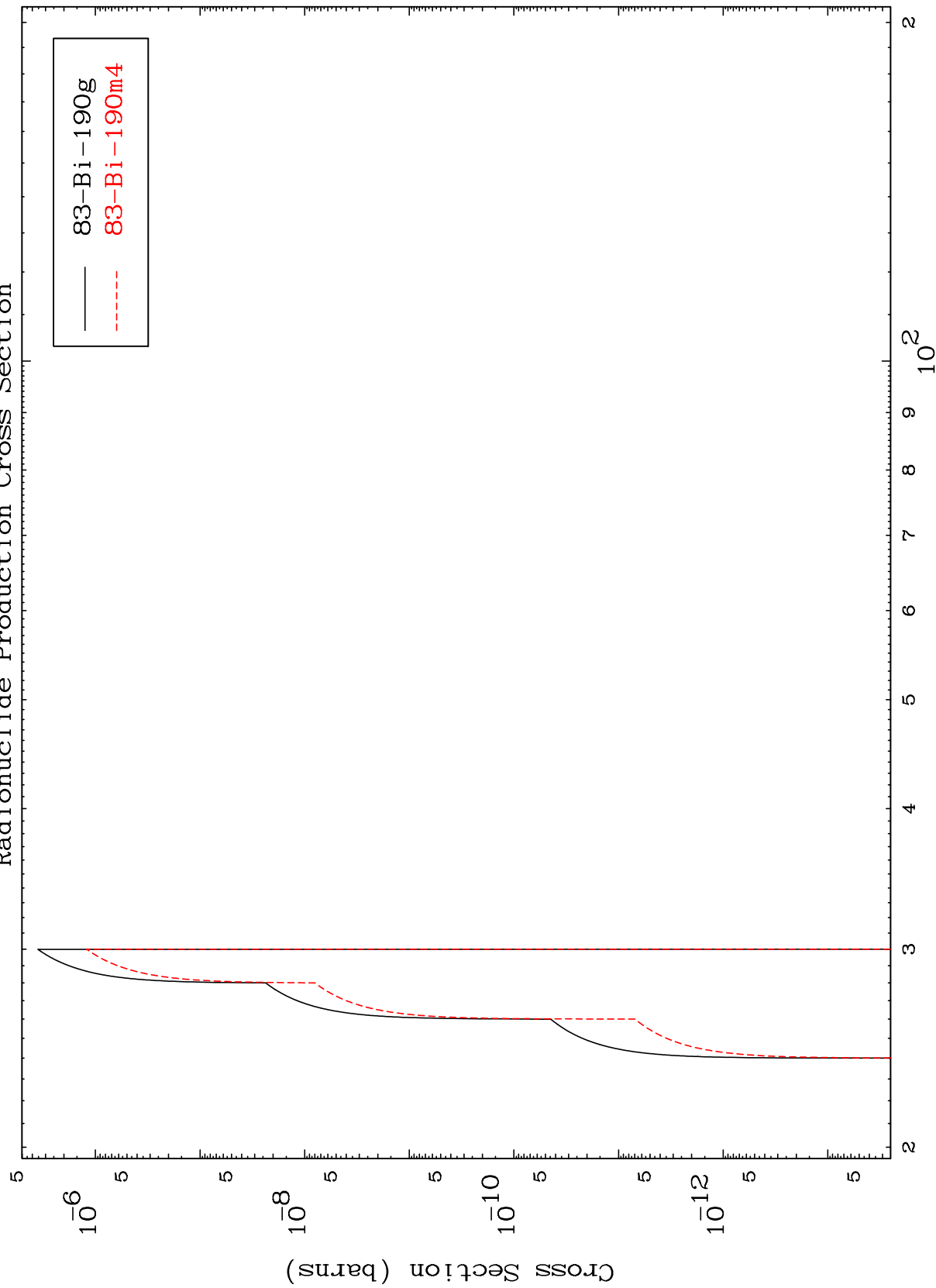
82-Pb-189



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82-Pb-189

(n,t)
Radionuclide Production Cross Section



82-Pb-189

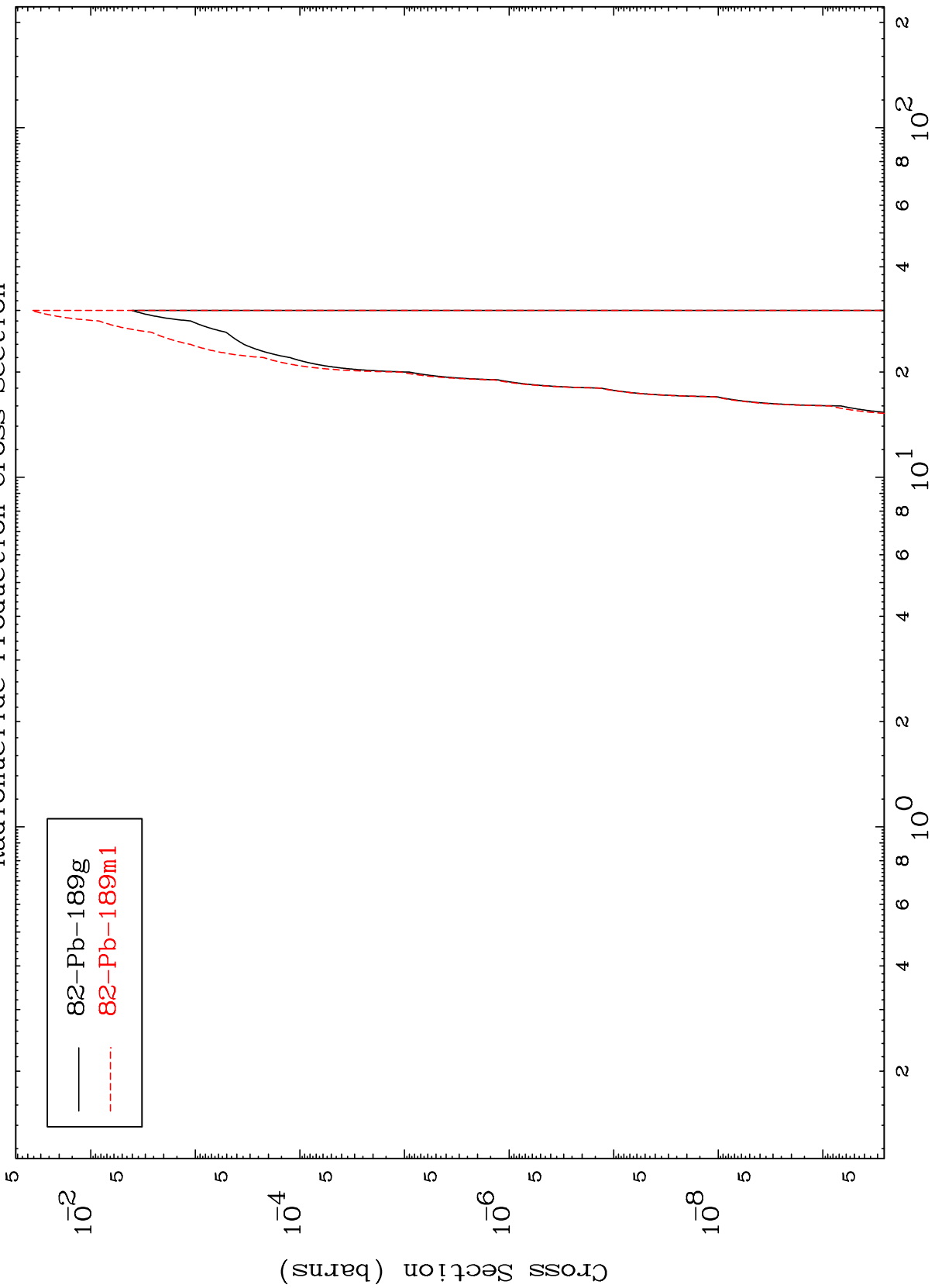
Incident Energy (MeV)

18

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82-Pb-189

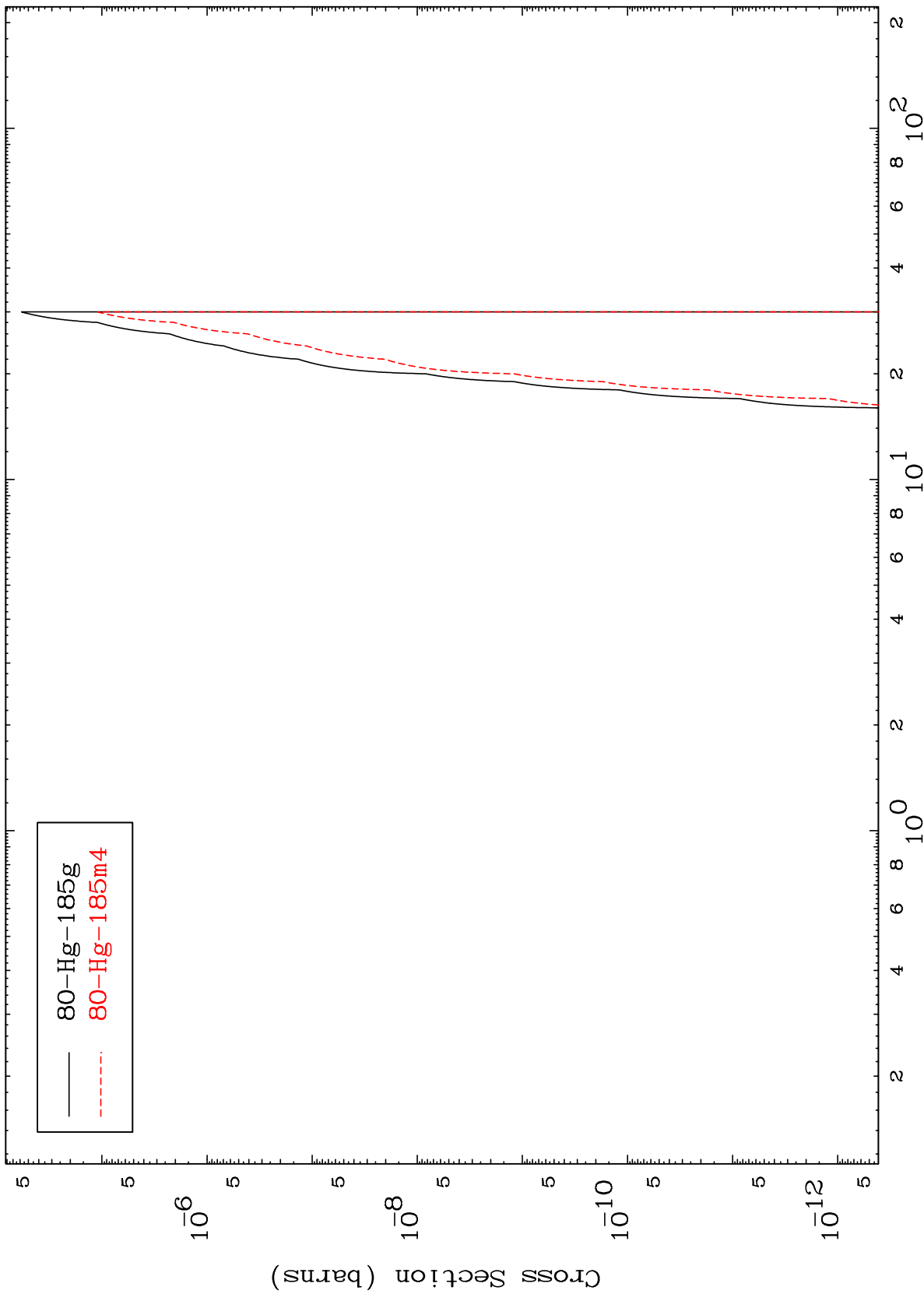
Radionuclide Production Cross Section
(n, α)



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82-Pb-189

Radionuclide Production Cross Section
(n,2 α)



82-Pb-189

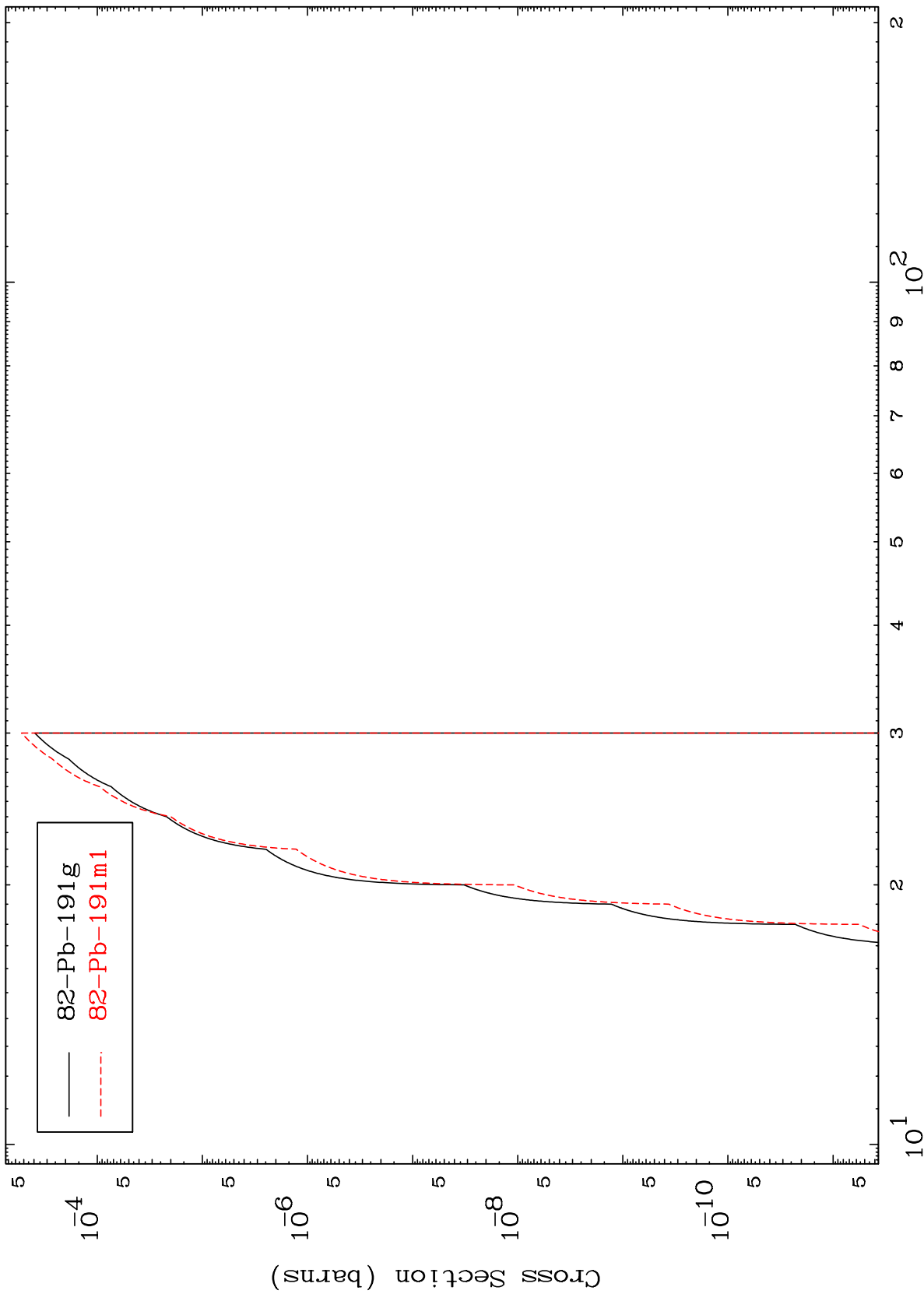
Incident Energy (MeV)

20

MAT 8180

82-Pb-189

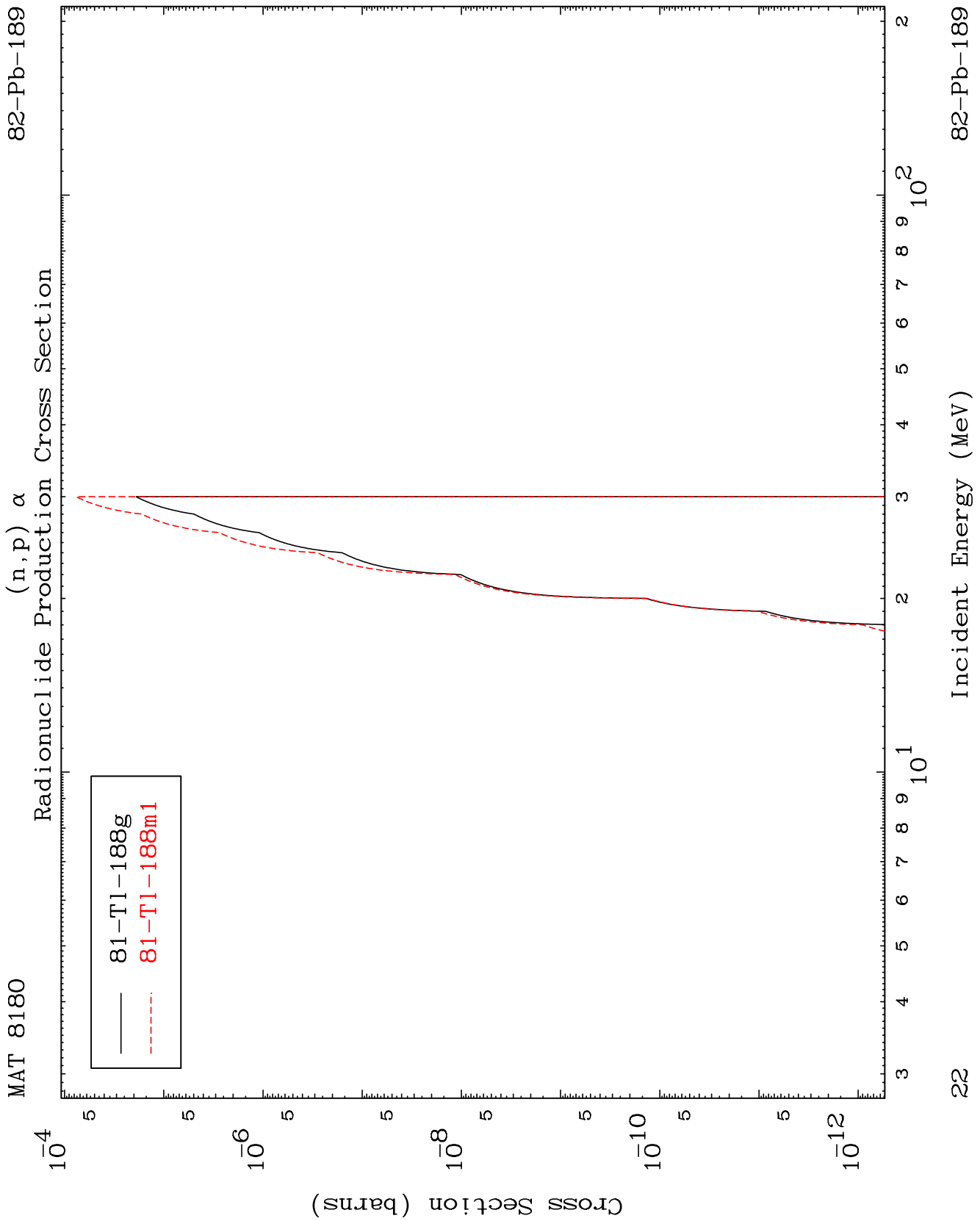
(n,2p)
Radionuclide Production Cross Section



82-Pb-189

Incident Energy (MeV)

21

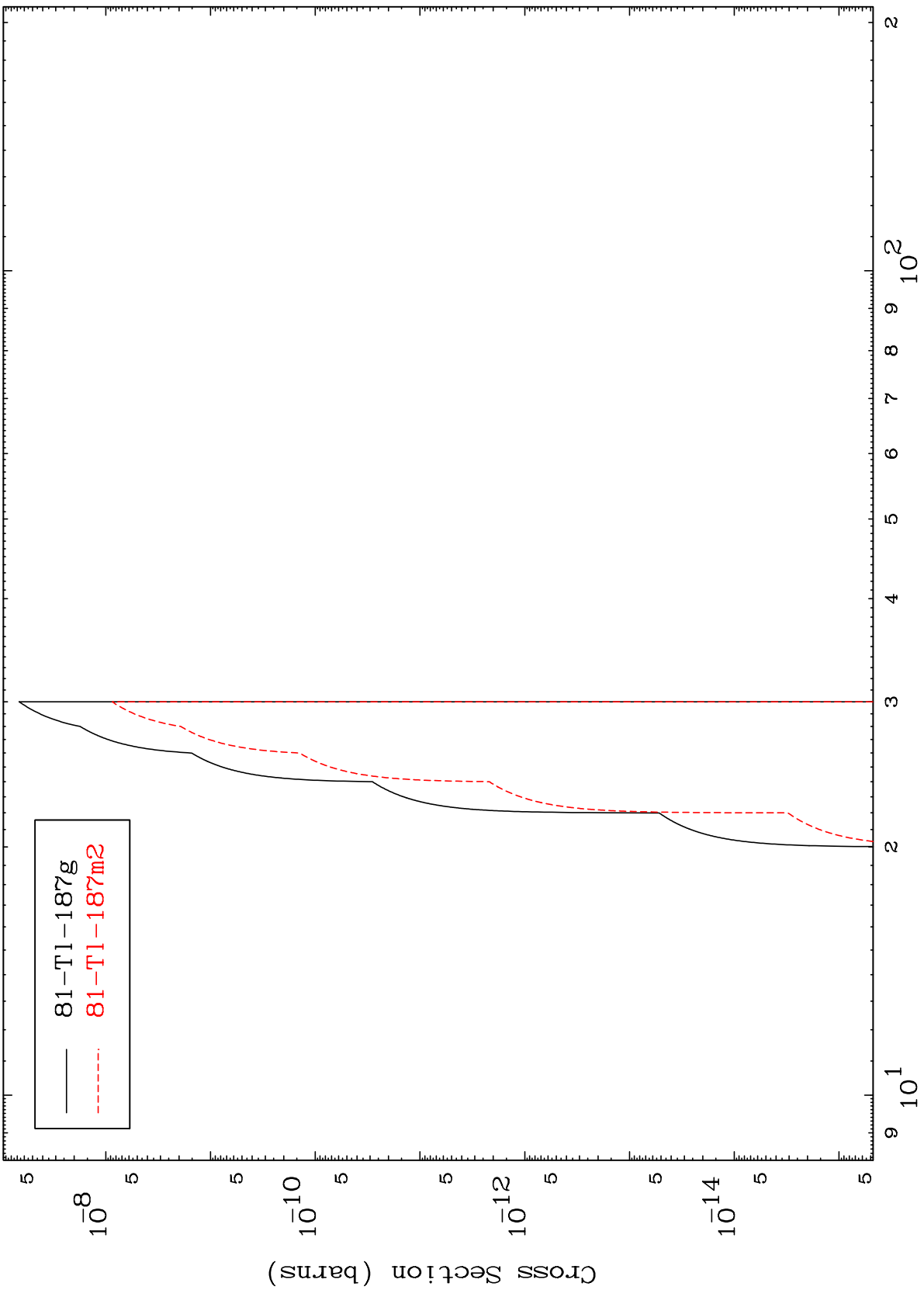


MAT 8180

(n,d) α

82-Pb-189

Radionuclide Production Cross Section



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Incident Energy (MeV)

82-Pb-189