

Program EVALPLOT
(Version 2021-1)

by

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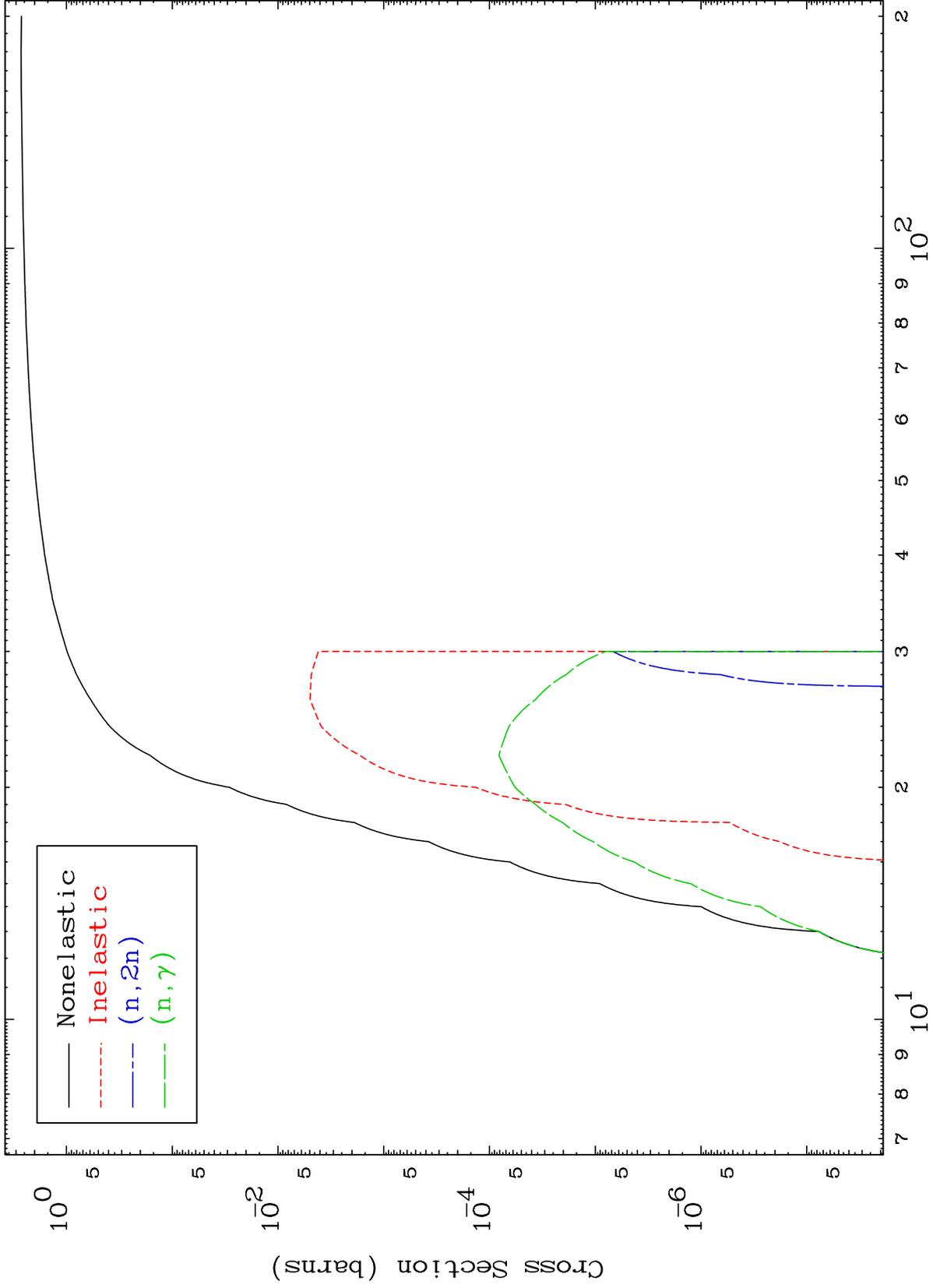
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Press Mouse Button to Start

MAT 8181

0 Kelvin Cross Sections

82-Pb-189m



1

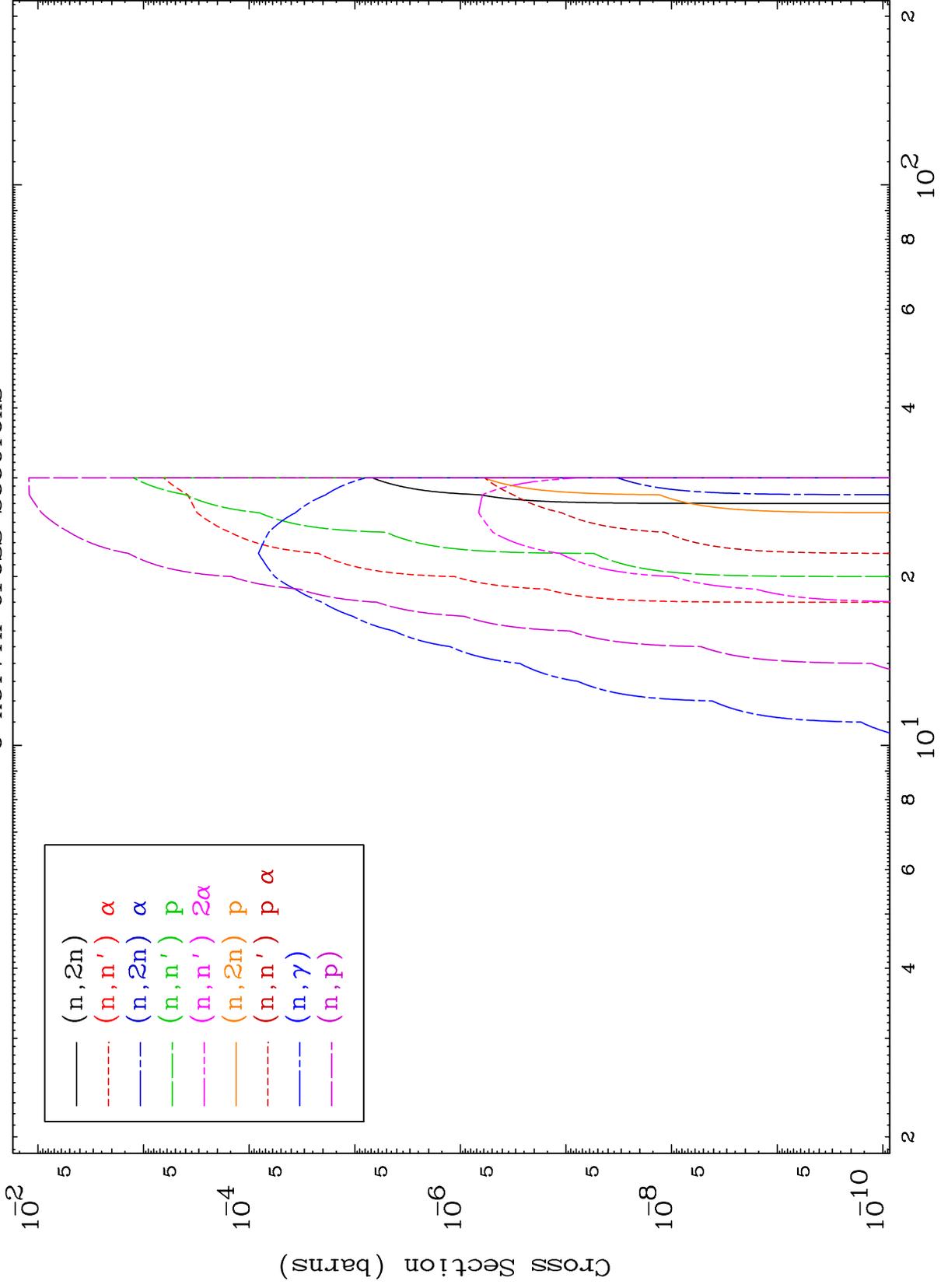
Incident Energy (MeV)

82-Pb-189m

MAT 8181

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-189m



2

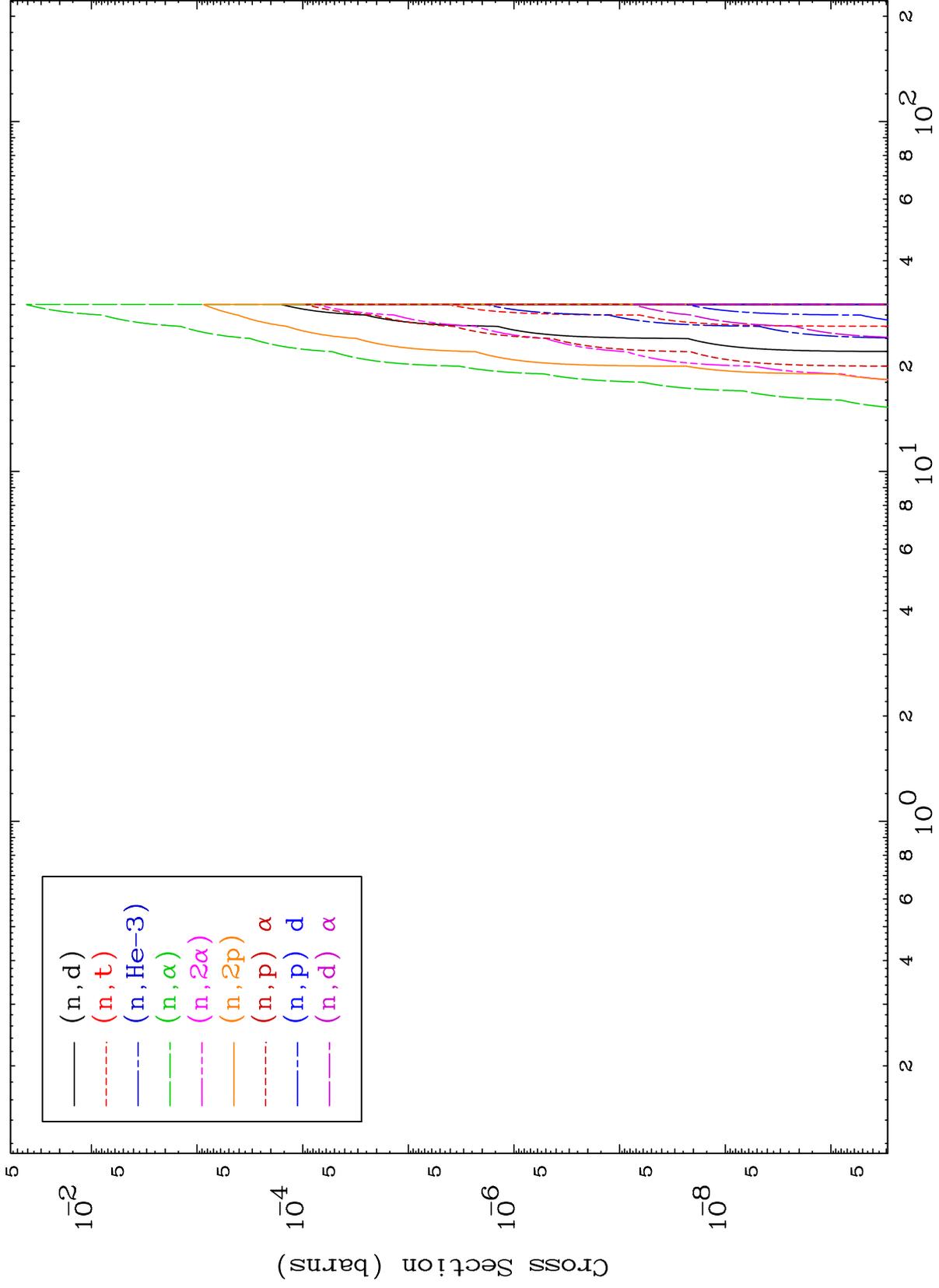
Incident Energy (MeV)

82-Pb-189m

MAT 8181

α Neutron Absorption
0 Kelvin Cross Sections

82-Pb-189m



3

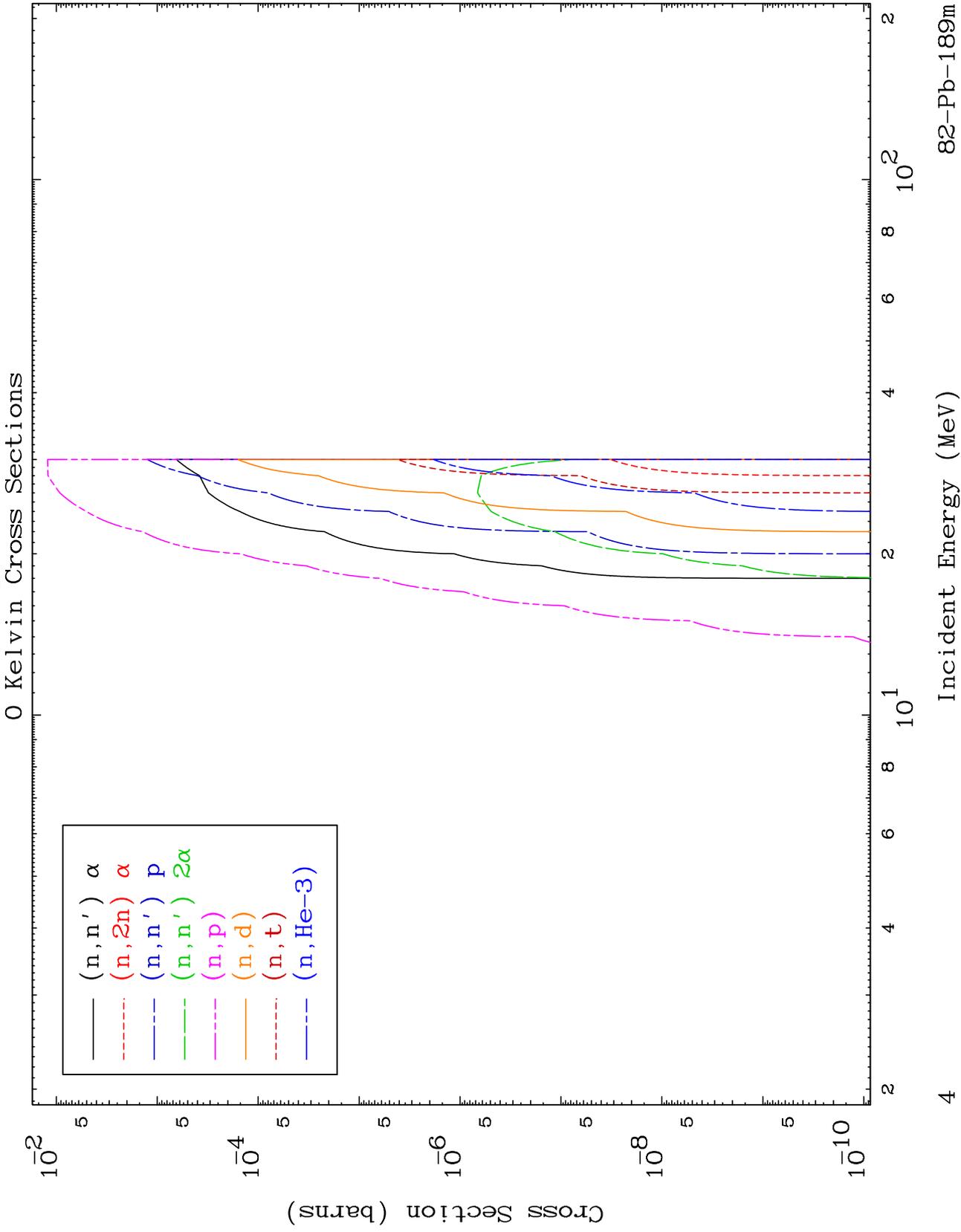
Incident Energy (MeV)

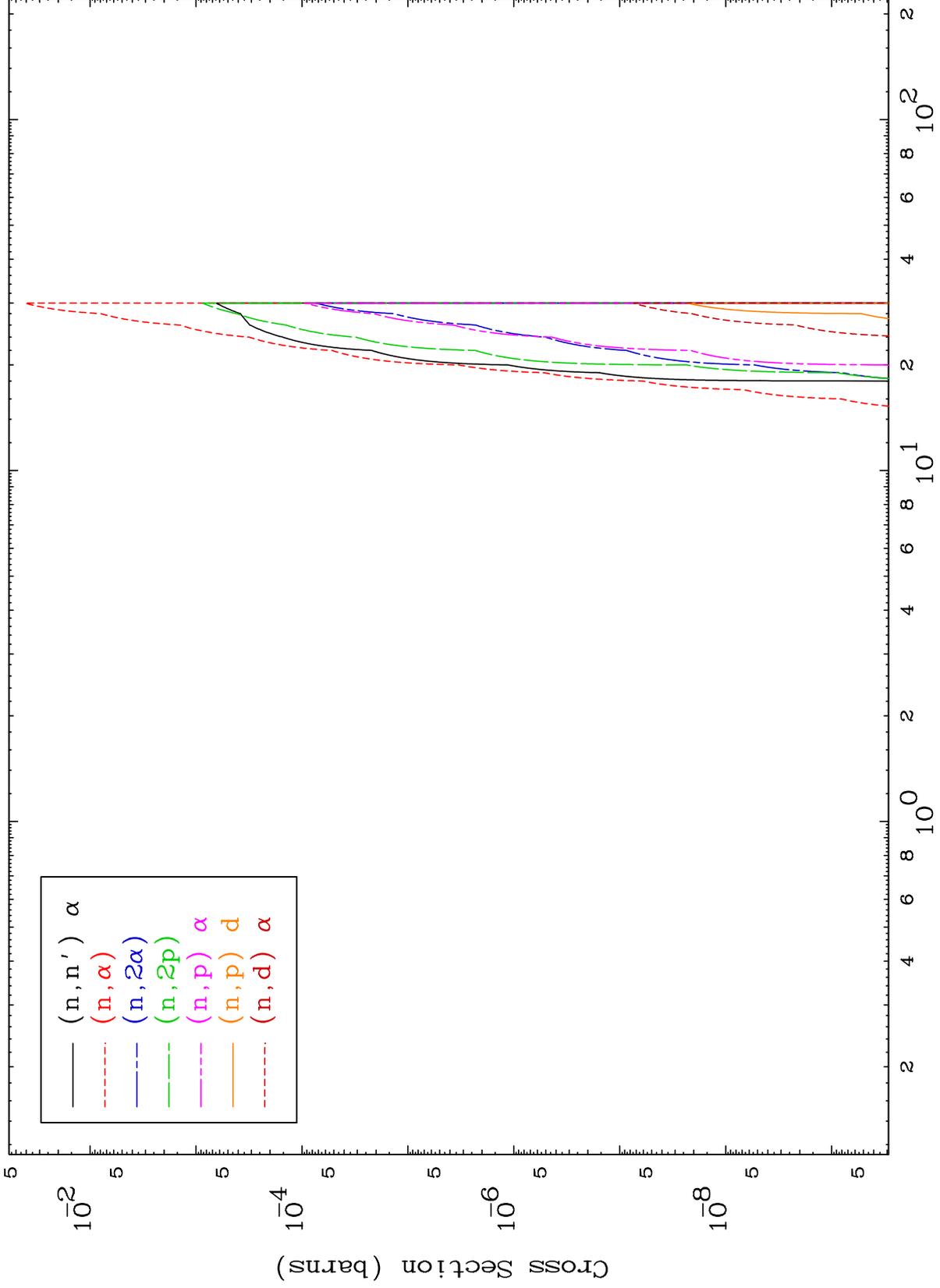
82-Pb-189m

MAT 8181

α Charged Particle

82-Pb-189m



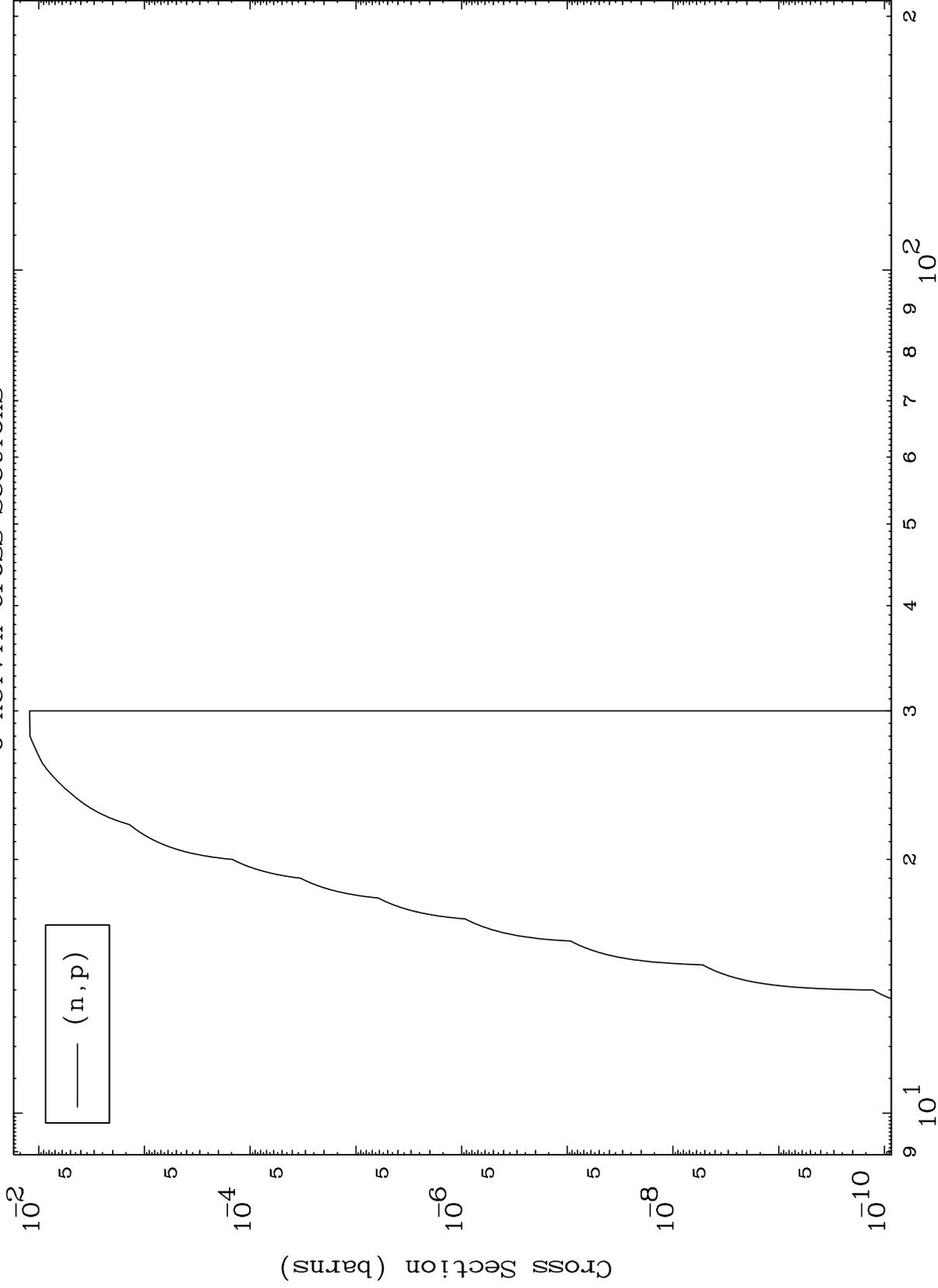


MAT 8181

(α, p) Levels

^{82}Pb -189m

0 Kelvin Cross Sections



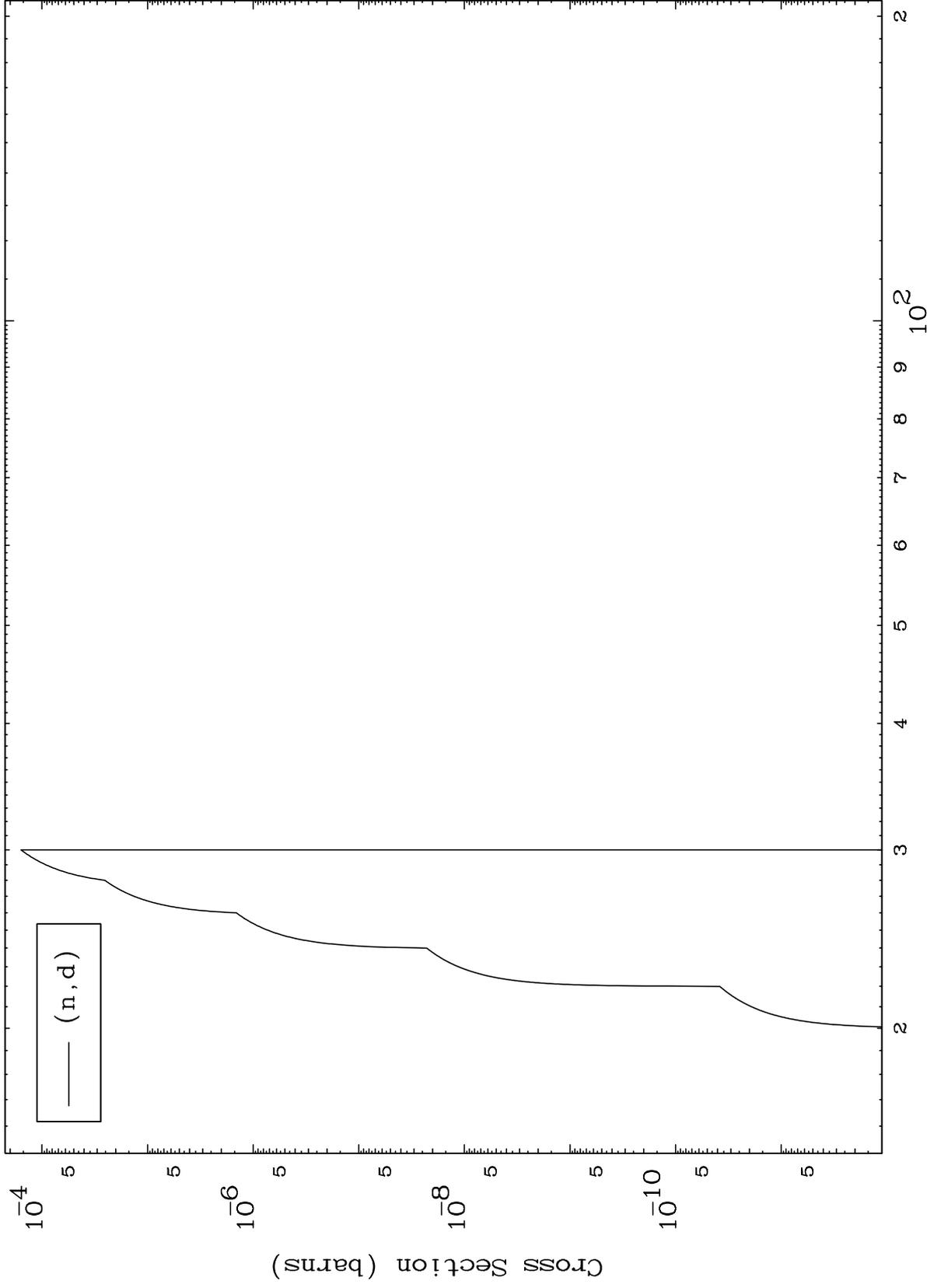
Incident Energy (MeV)

^{82}Pb -189m

MAT 8181

(α, d) Levels
0 Kelvin Cross Sections

82-Pb-189m



7

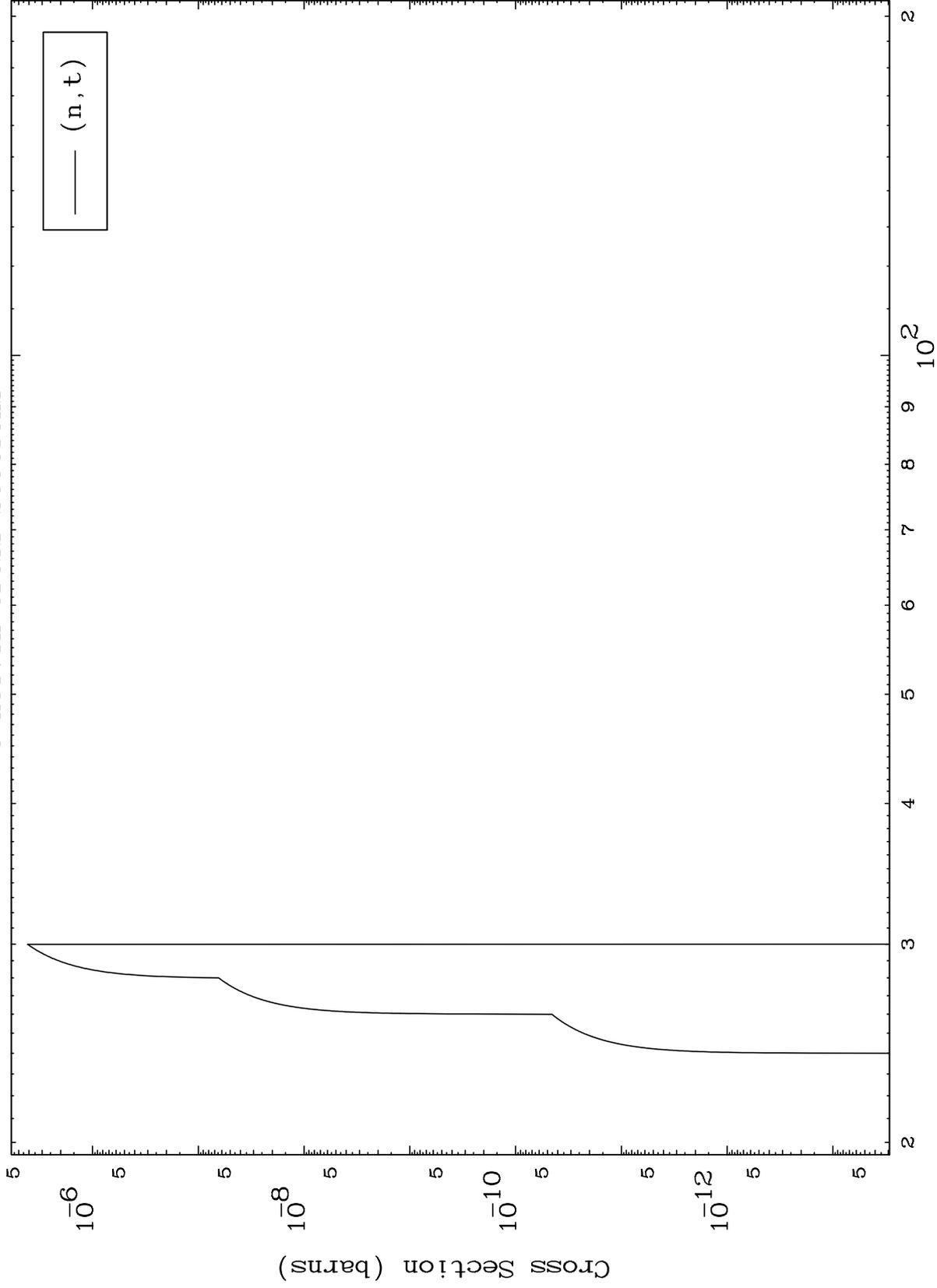
Incident Energy (MeV)

82-Pb-189m

MAT 8181

(α, t) Levels
0 Kelvin Cross Sections

82-Pb-189m



82-Pb-189m

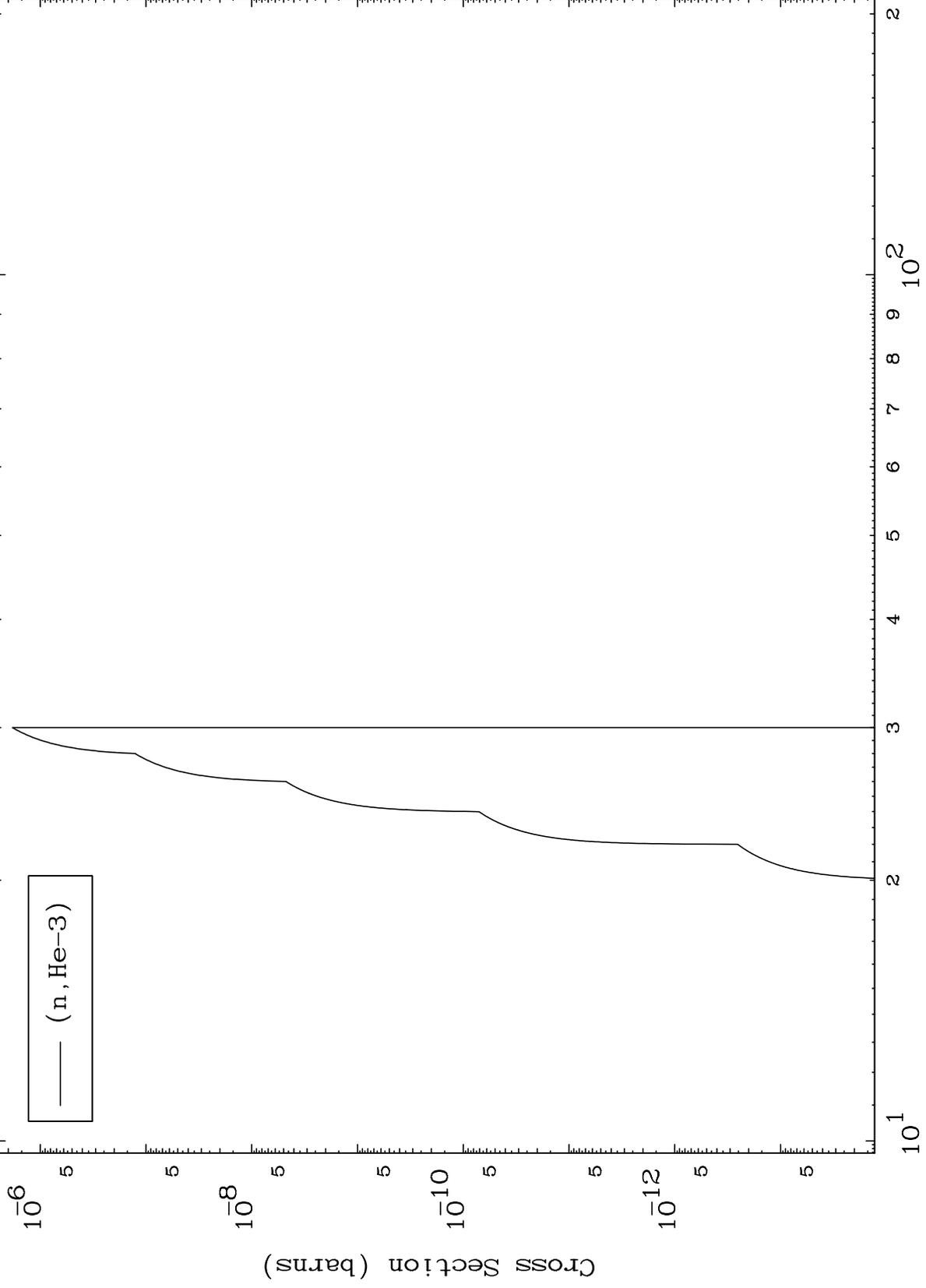
Incident Energy (MeV)

8

MAT 8181

(α , He3) Levels
0 Kelvin Cross Sections

82-Pb-189m



Incident Energy (MeV)

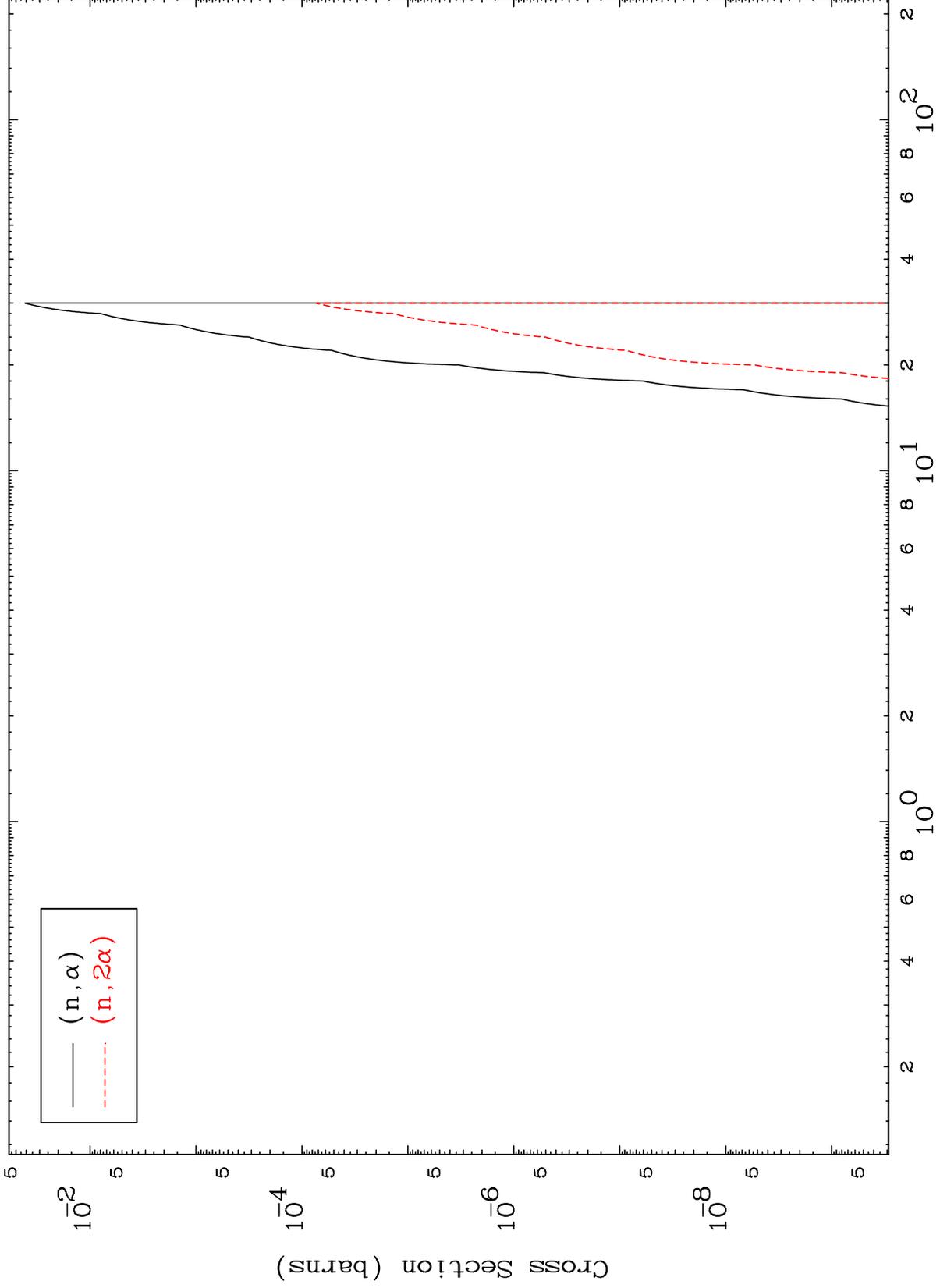
82-Pb-189m

MAT 8181

(α, α) Levels

82-Pb-189m

0 Kelvin Cross Sections



10

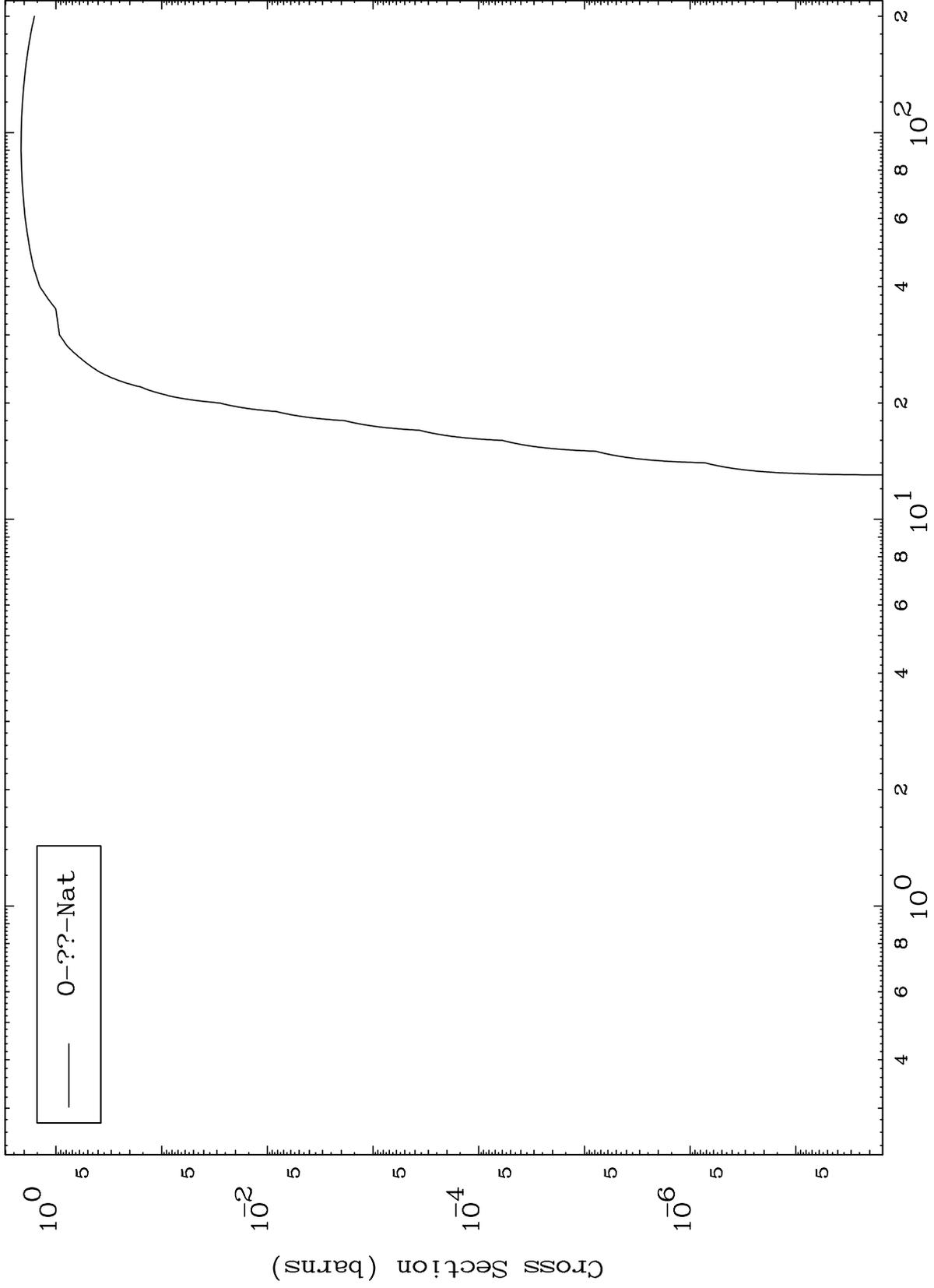
Incident Energy (MeV)

82-Pb-189m

MAT 8181

⁸²Pb-189m

Fission
Radionuclide Production Cross Section

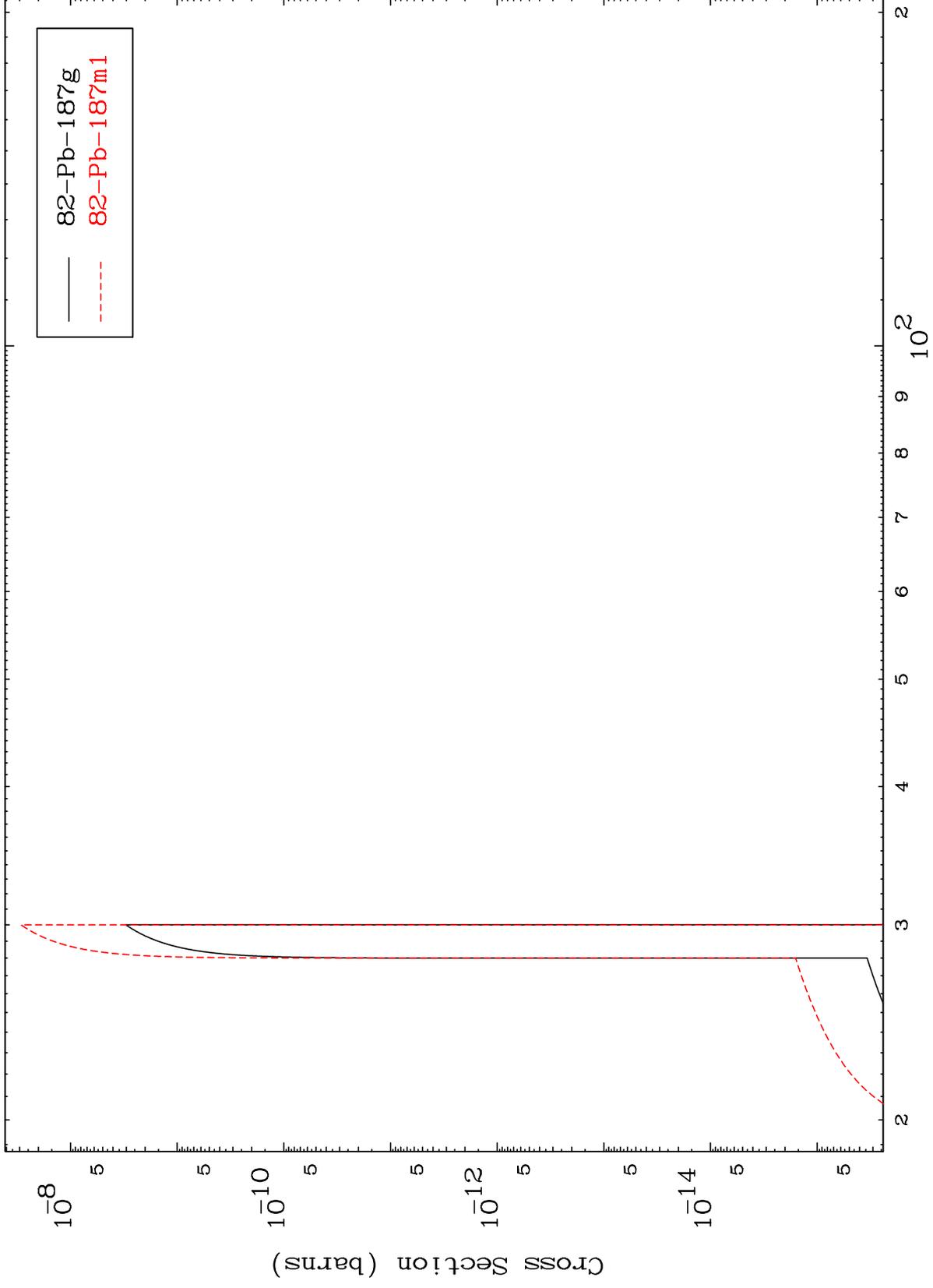


MAT 8181

(n,2n) α

82-Pb-189m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

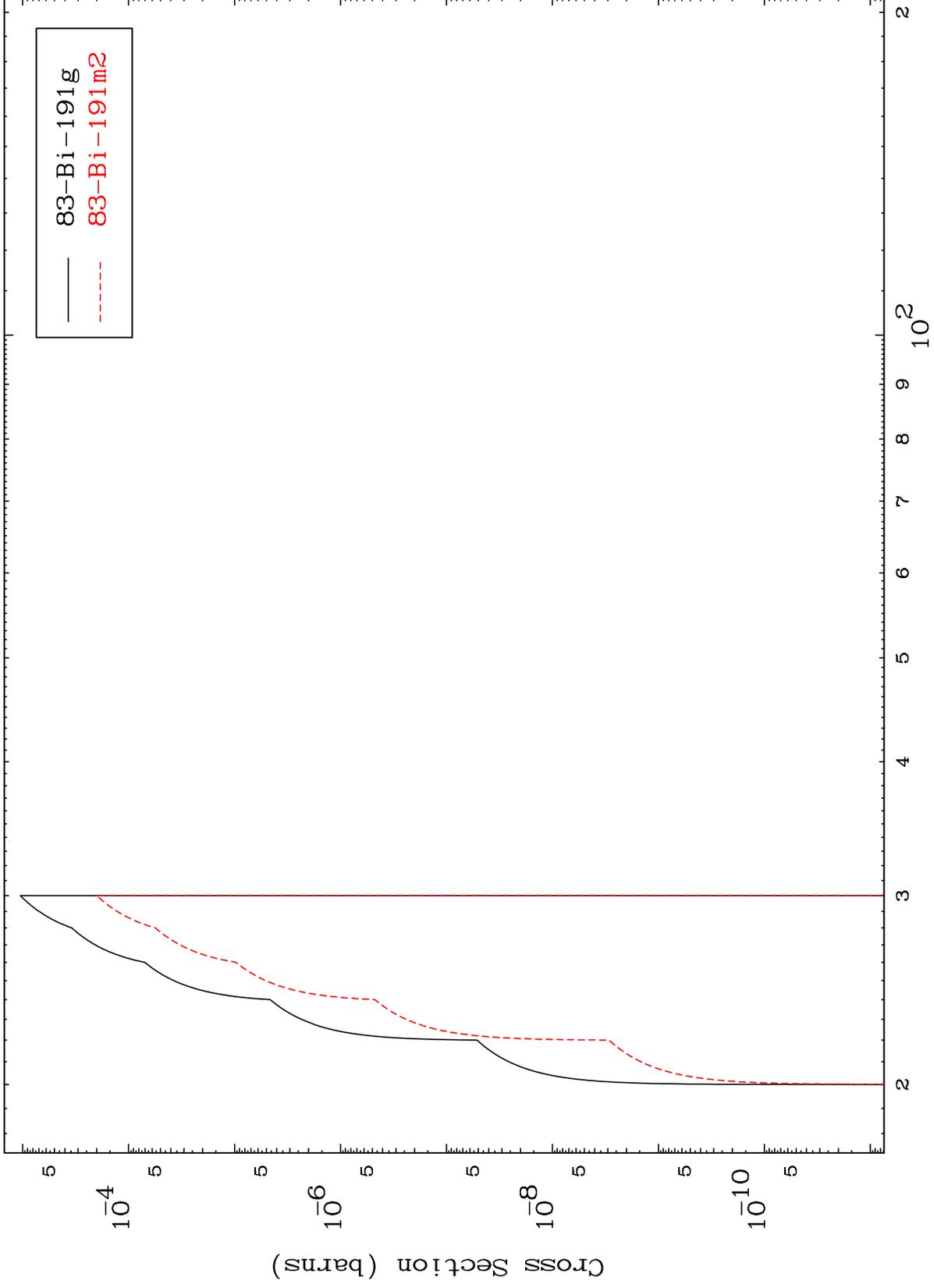
82-Pb-189m

MAT 8181

(n, n') p

82-Pb-189m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

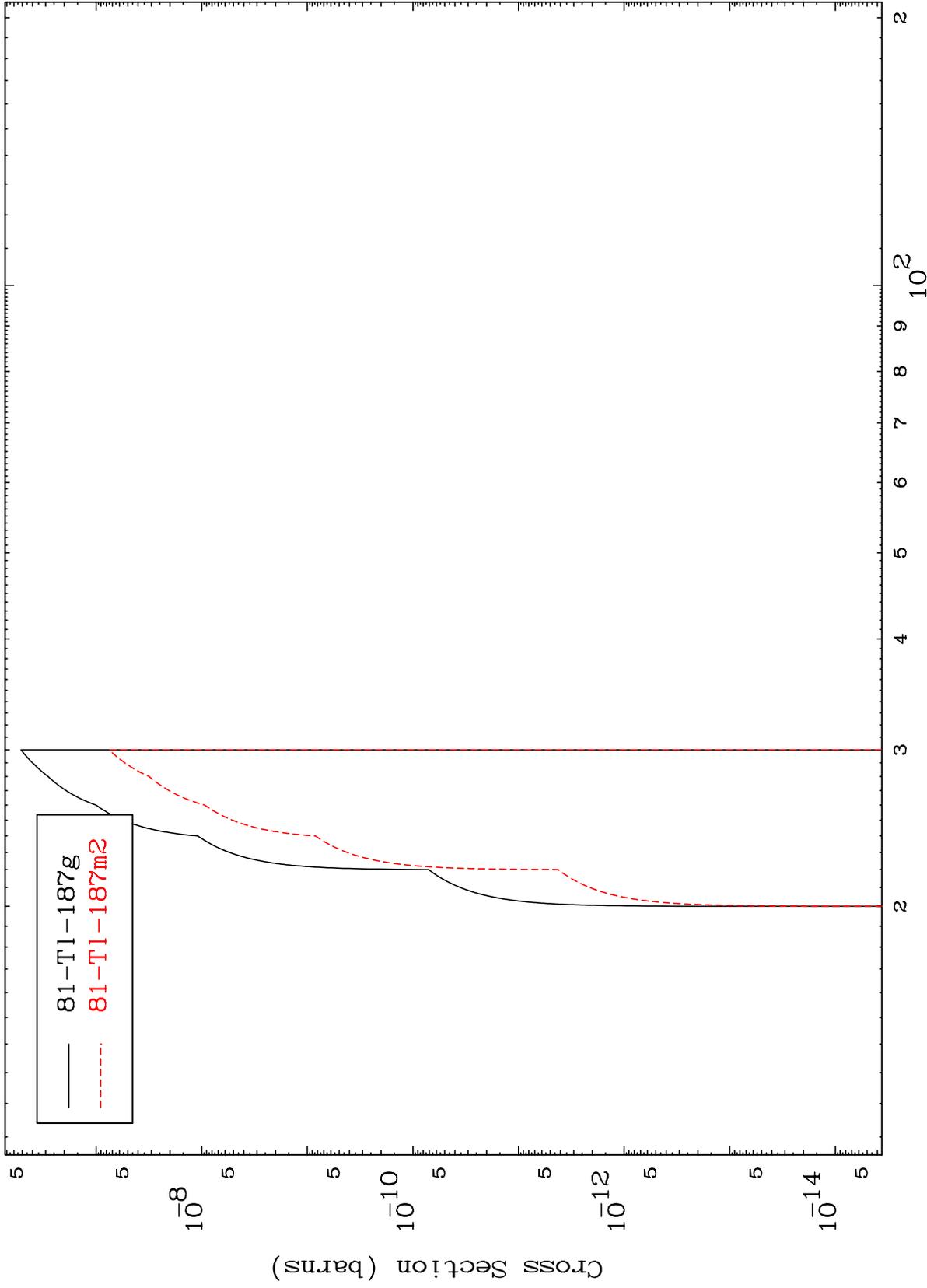
82-Pb-189m

MAT 8181

(n,n') p α

82-Pb-189m

Radionuclide Production Cross Section



14

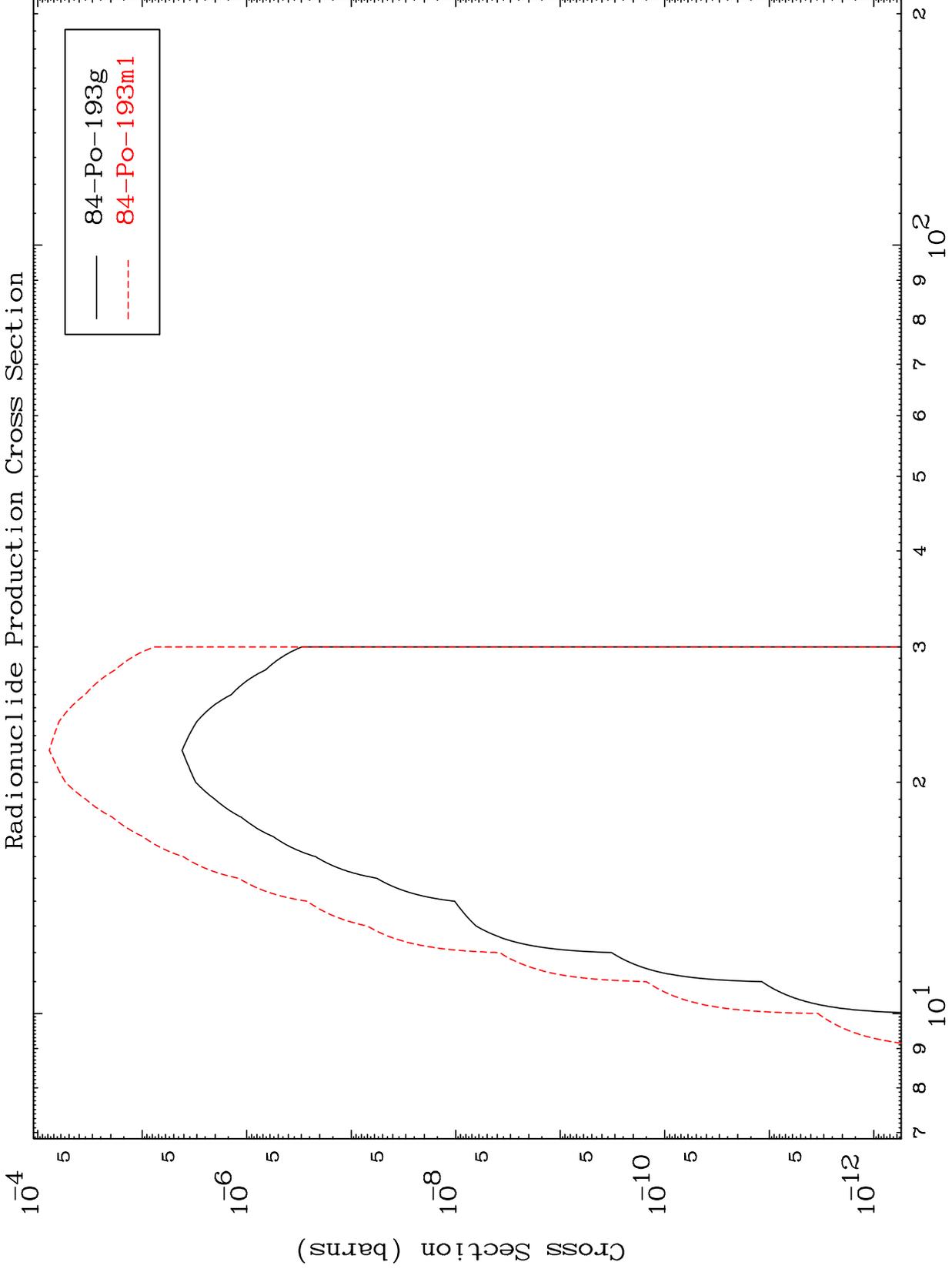
Incident Energy (MeV)

82-Pb-189m

MAT 8181

82-Pb-189m

(n,γ)
Radionuclide Production Cross Section



15

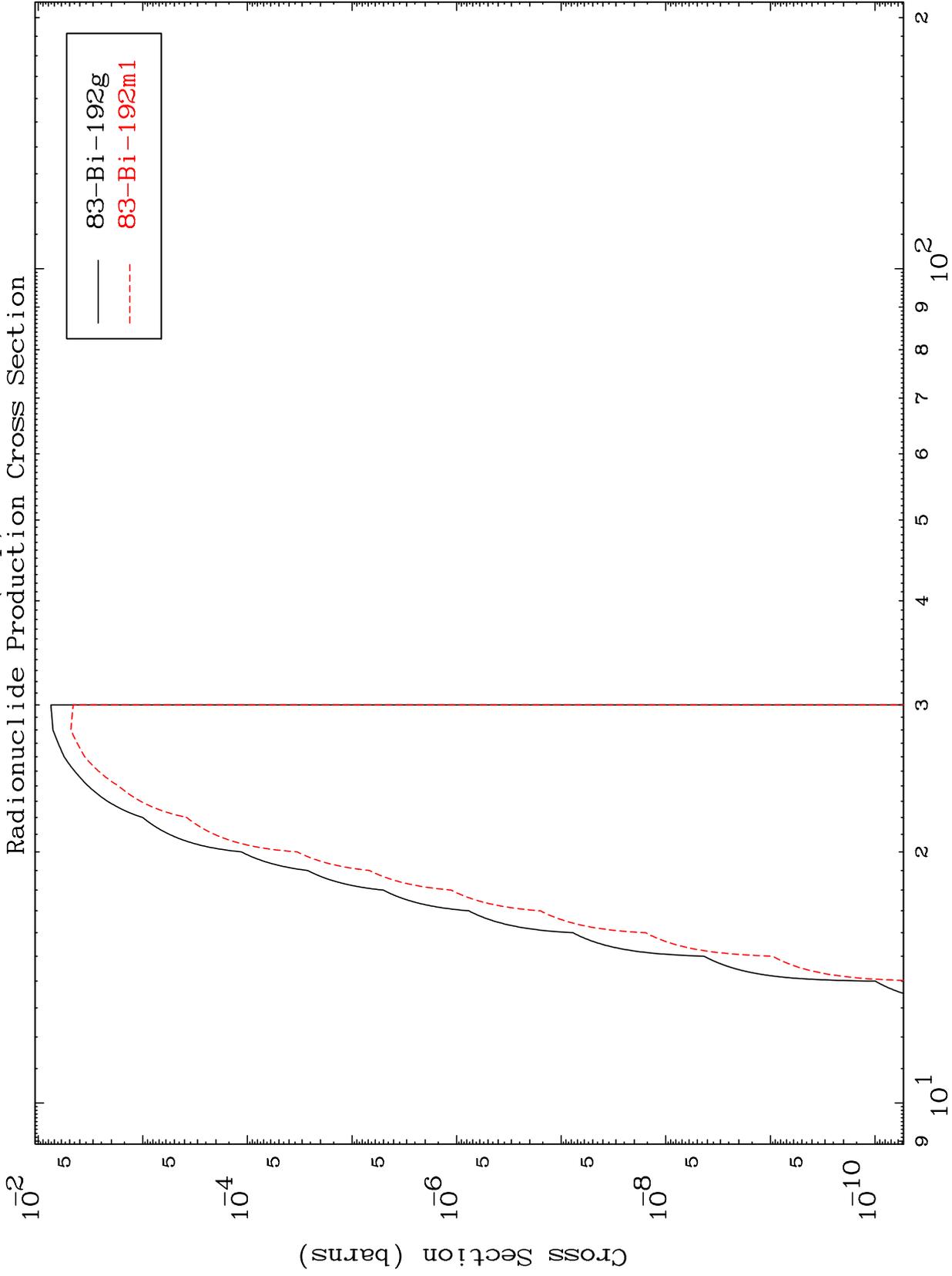
Incident Energy (MeV)

82-Pb-189m

MAT 8181

82-Pb-189m

(n,p)
Radionuclide Production Cross Section



82-Pb-189m

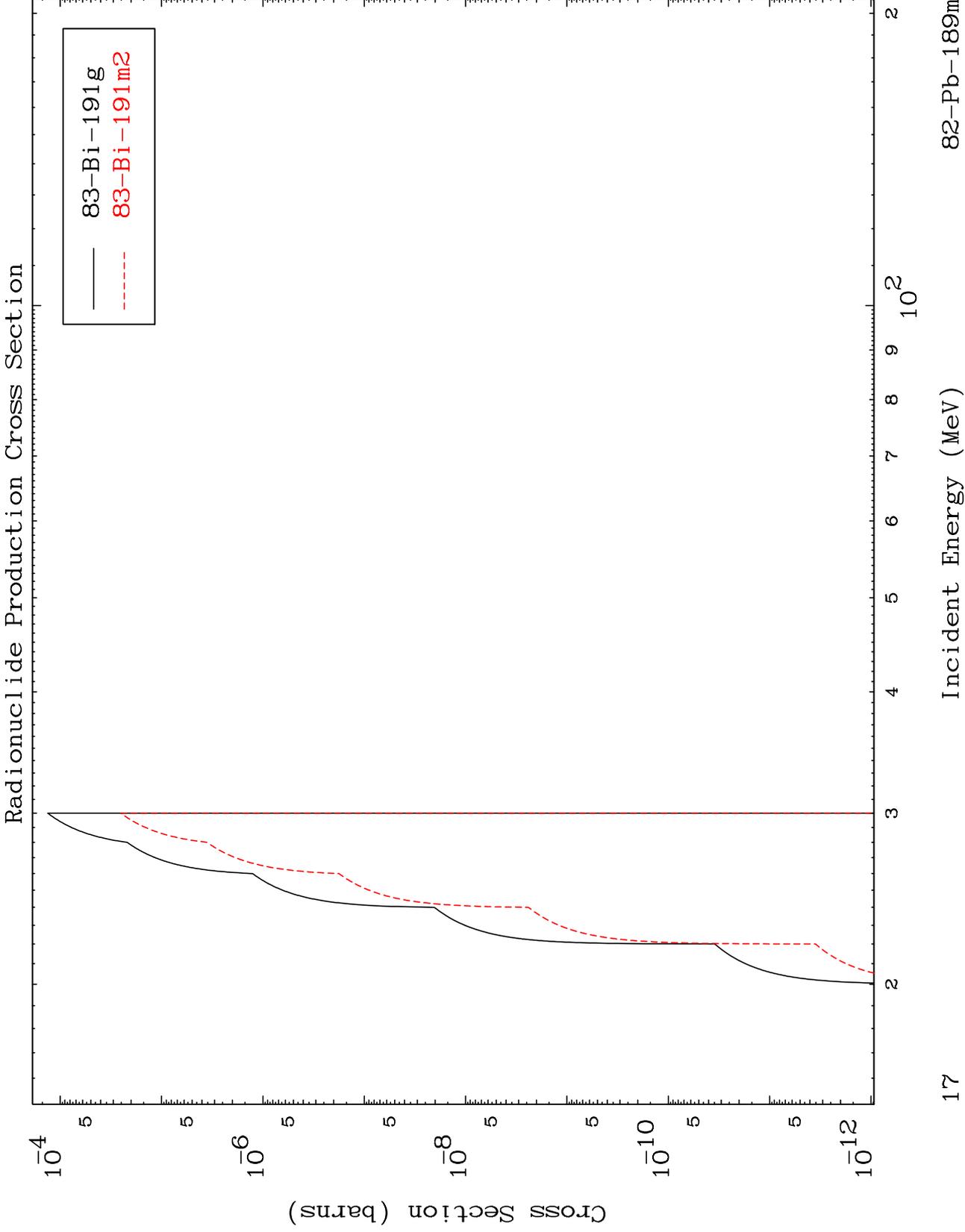
Incident Energy (MeV)

16

MAT 8181

(n,d)

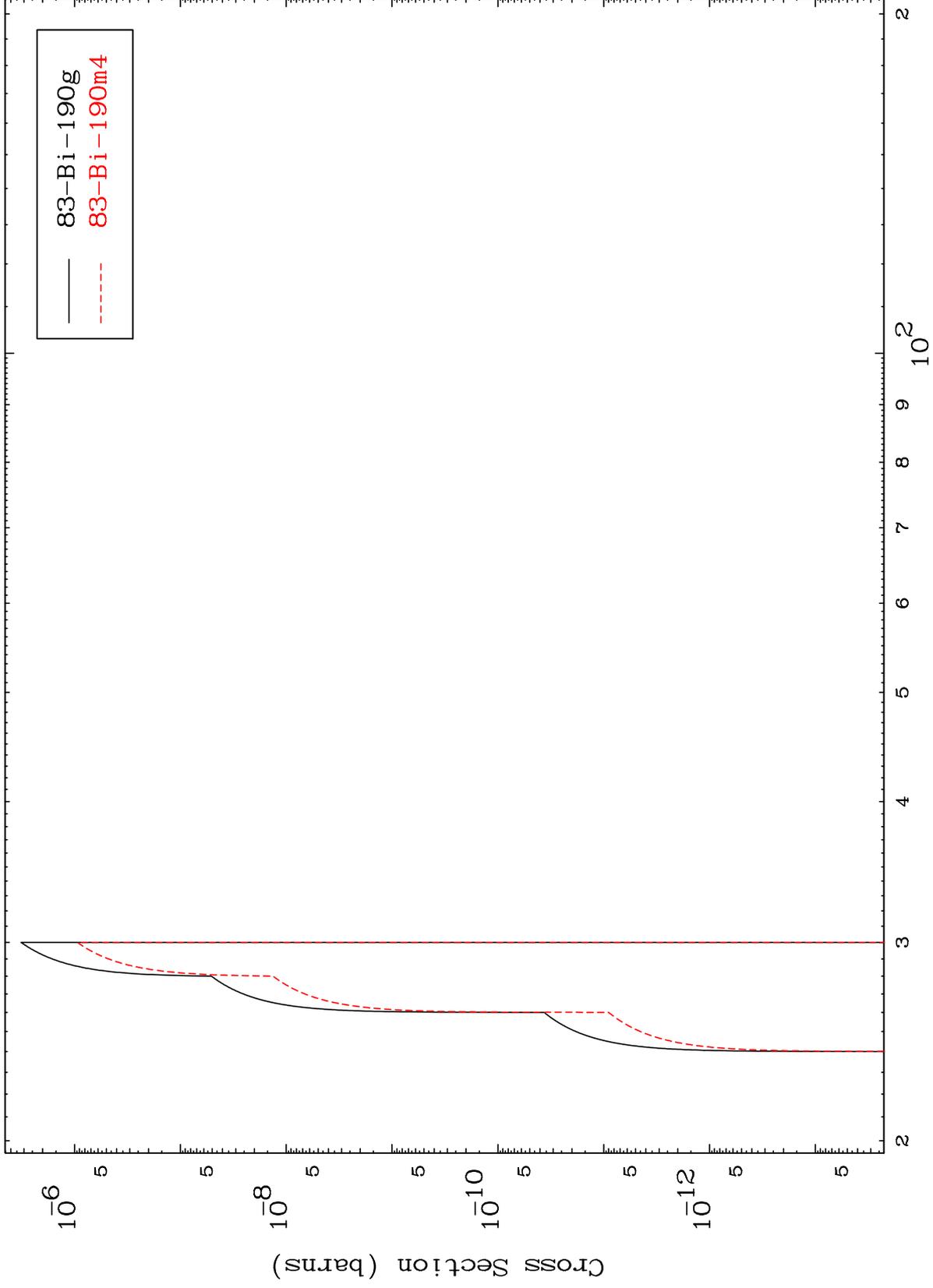
82-Pb-189m



MAT 8181

82-Pb-189m

(n, t)
Radionuclide Production Cross Section



18

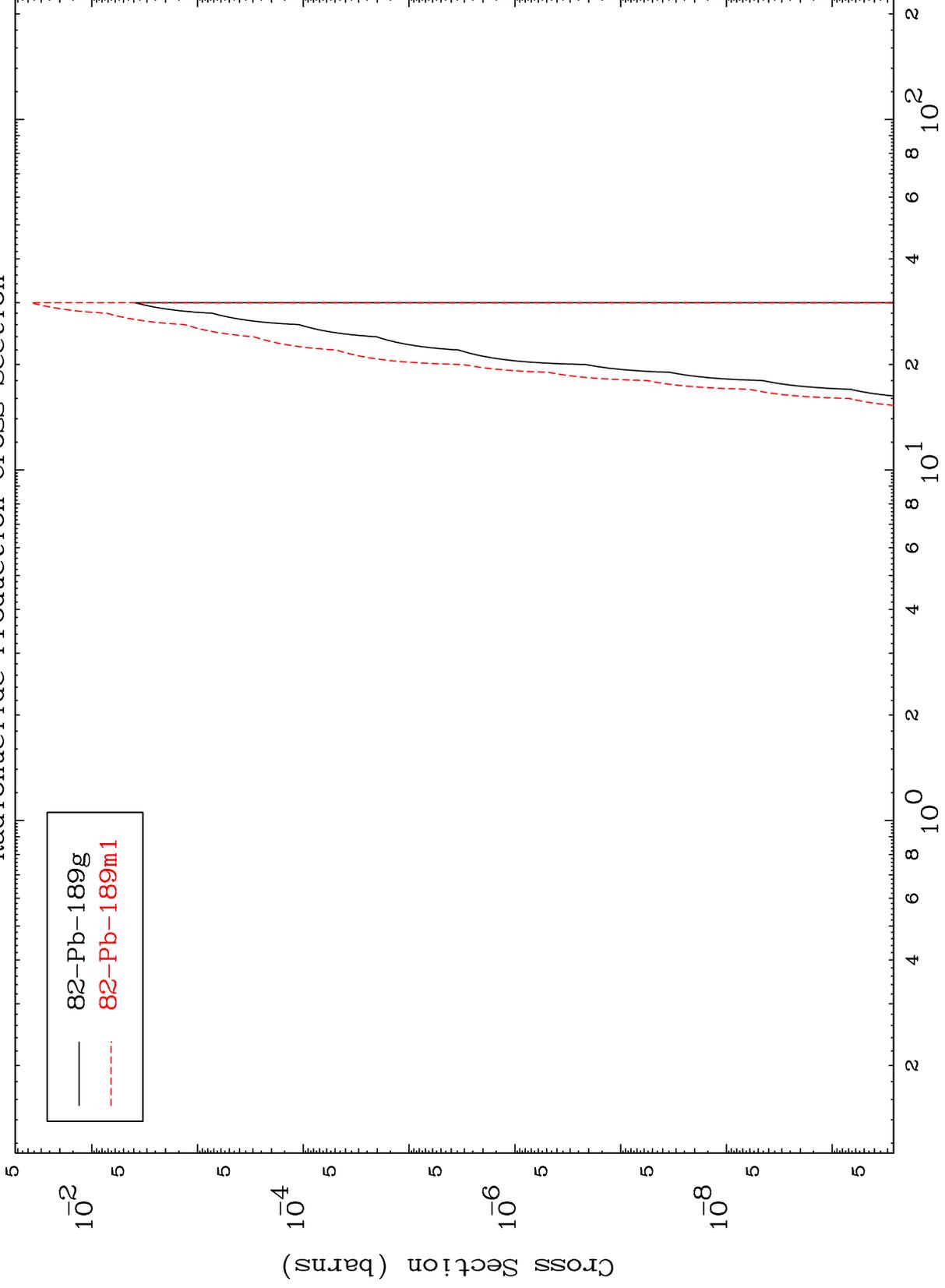
Incident Energy (MeV)

82-Pb-189m

MAT 8181

$^{82}\text{Pb-189m}$

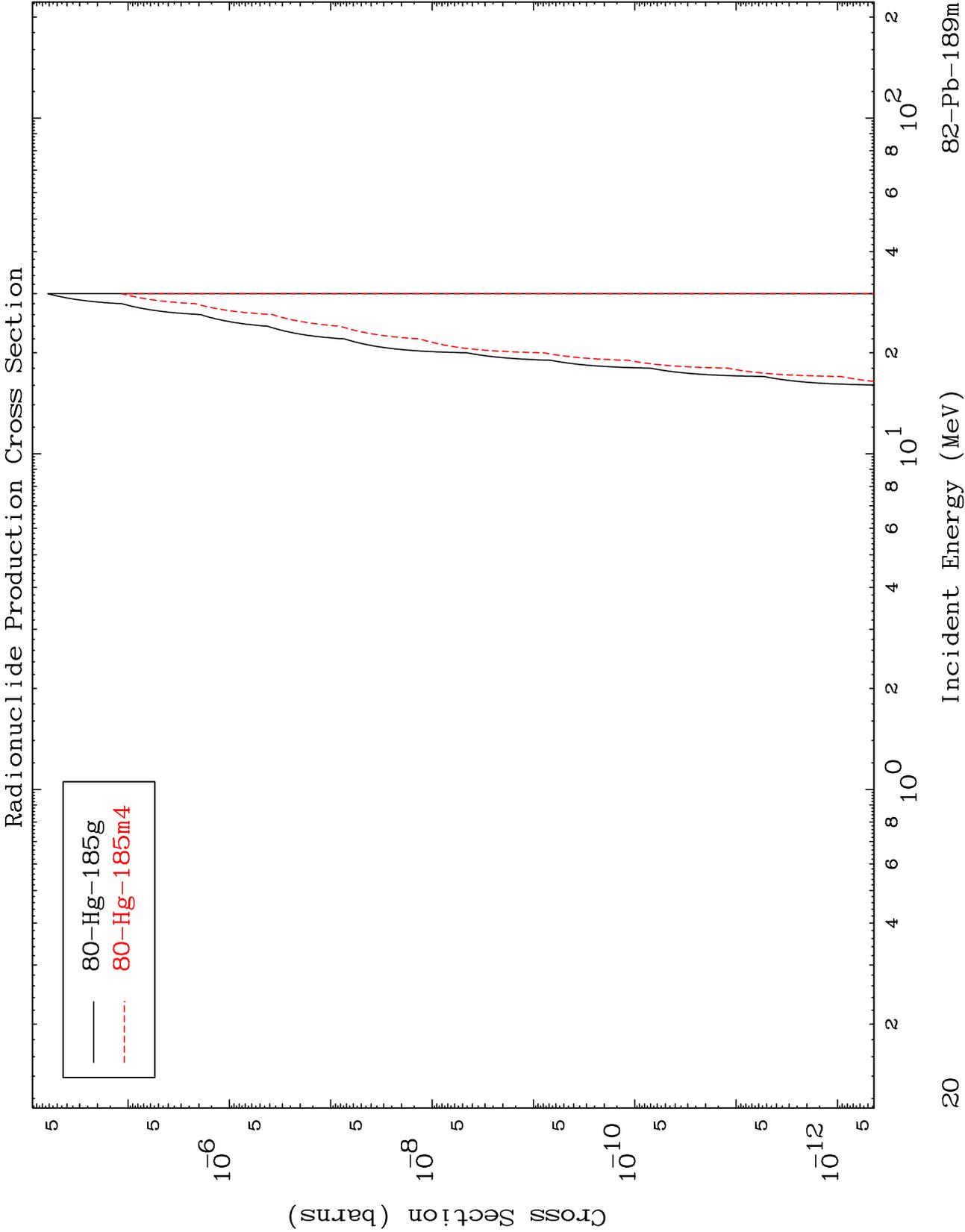
Radionuclide Production Cross Section



MAT 8181

(n,2 α)

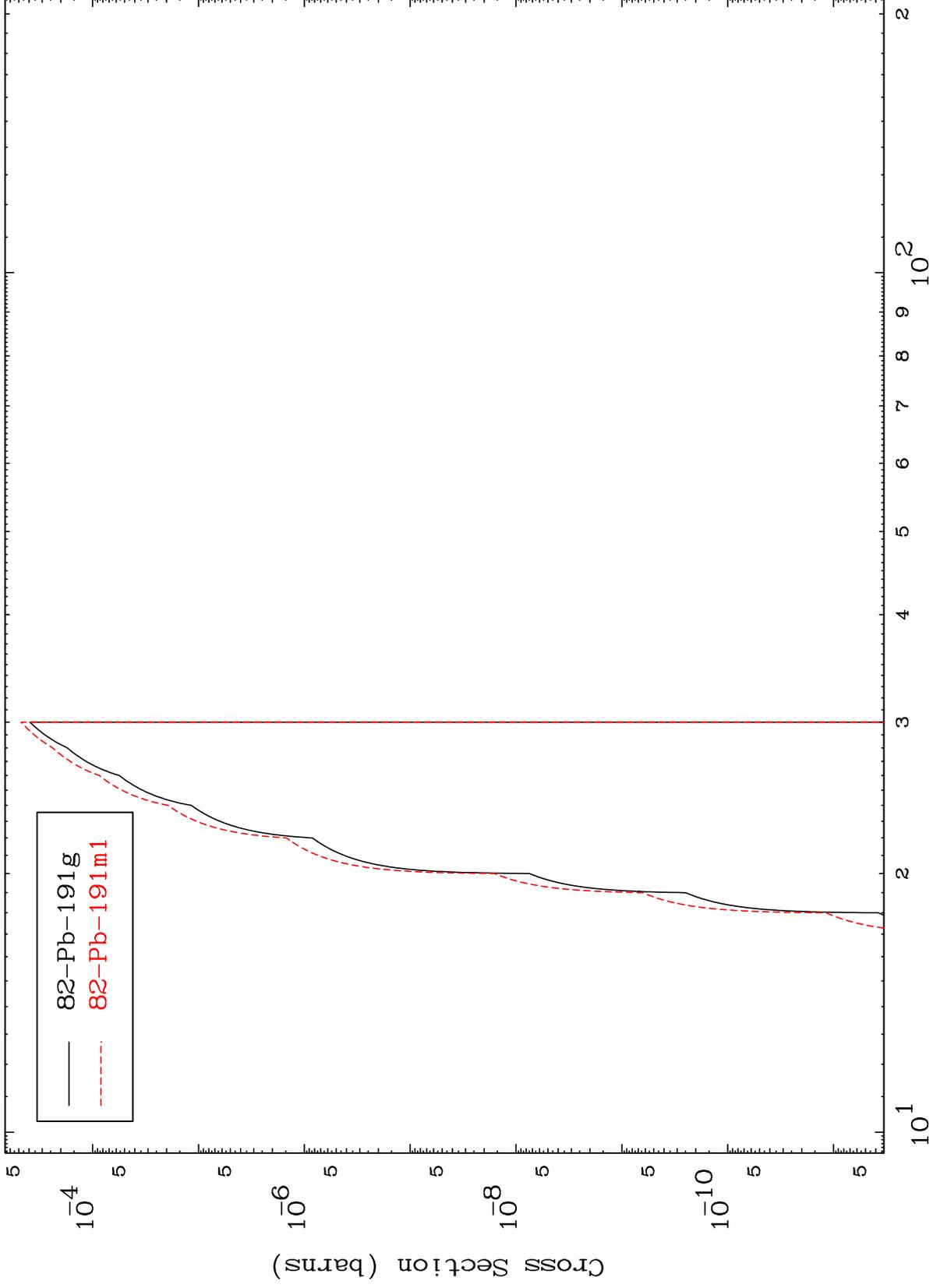
⁸²Pb-189m



MAT 8181

⁸²Pb-189m

(n,2p)
Radionuclide Production Cross Section



⁸²Pb-189m

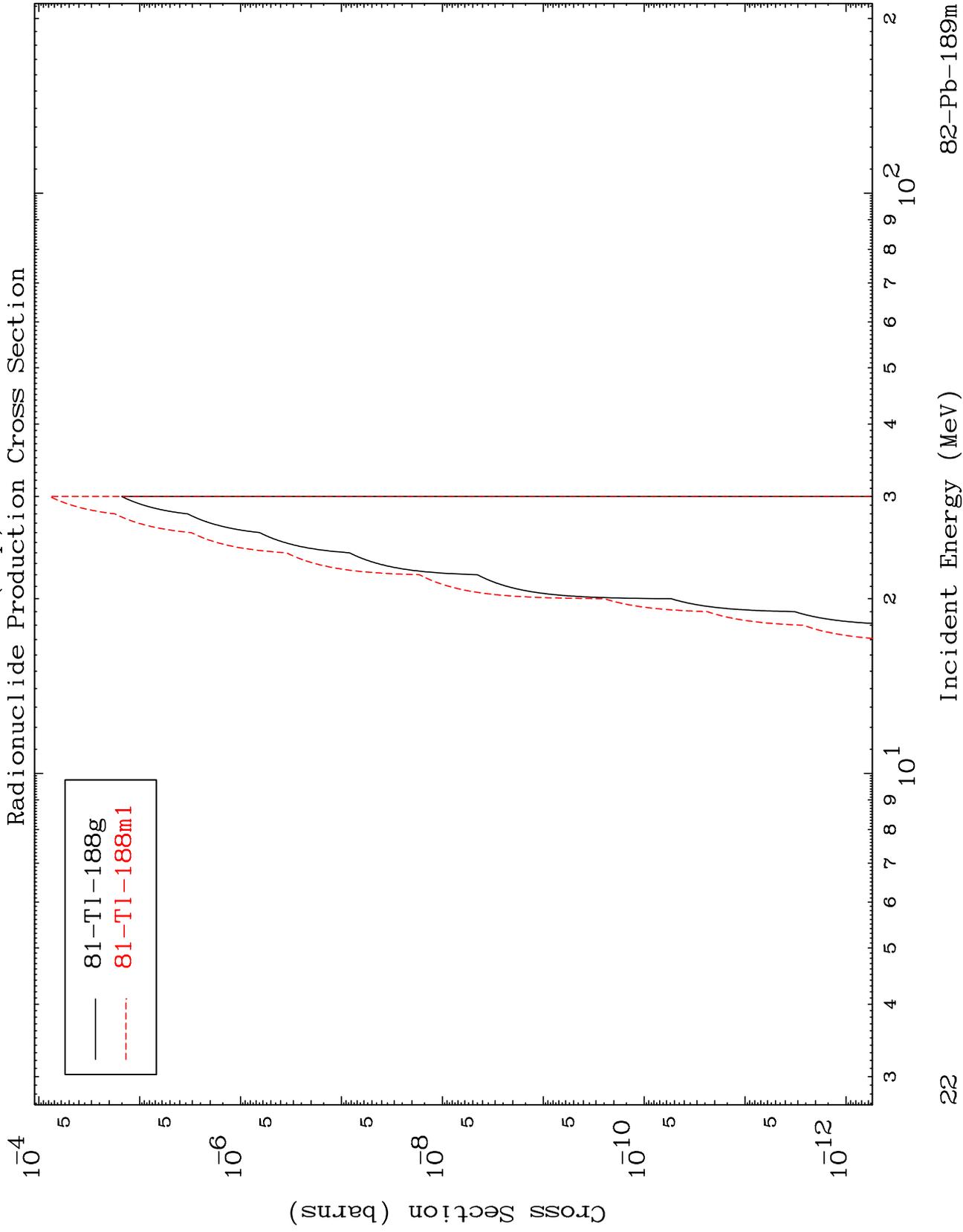
Incident Energy (MeV)

21

MAT 8181

(n,p) α

$^{82}\text{Pb}-189\text{m}$

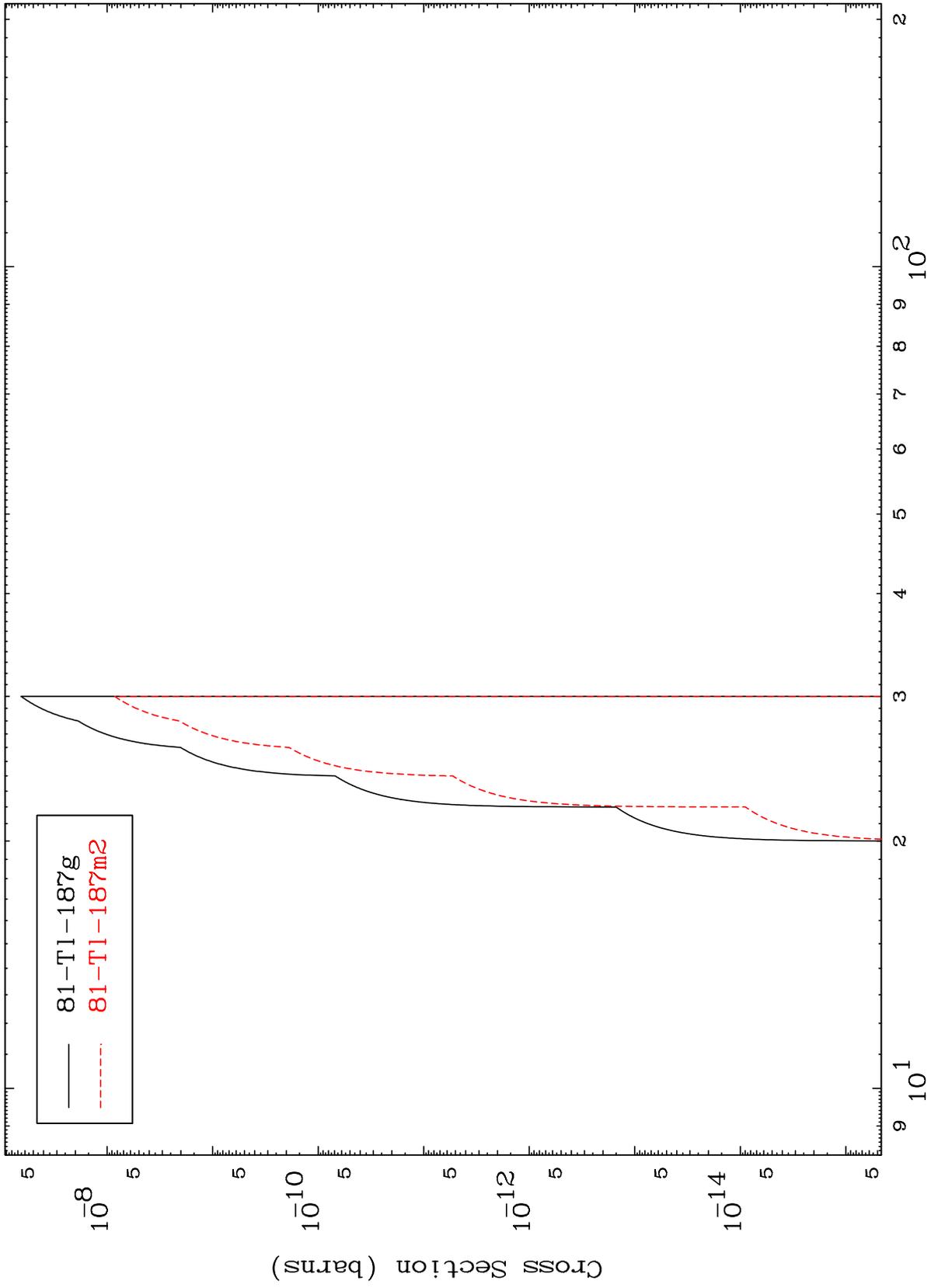


MAT 8181

(n,d) α

82-Pb-189m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

82-Pb-189m