

Program EVALPLOT
(Version 2021-1)

by

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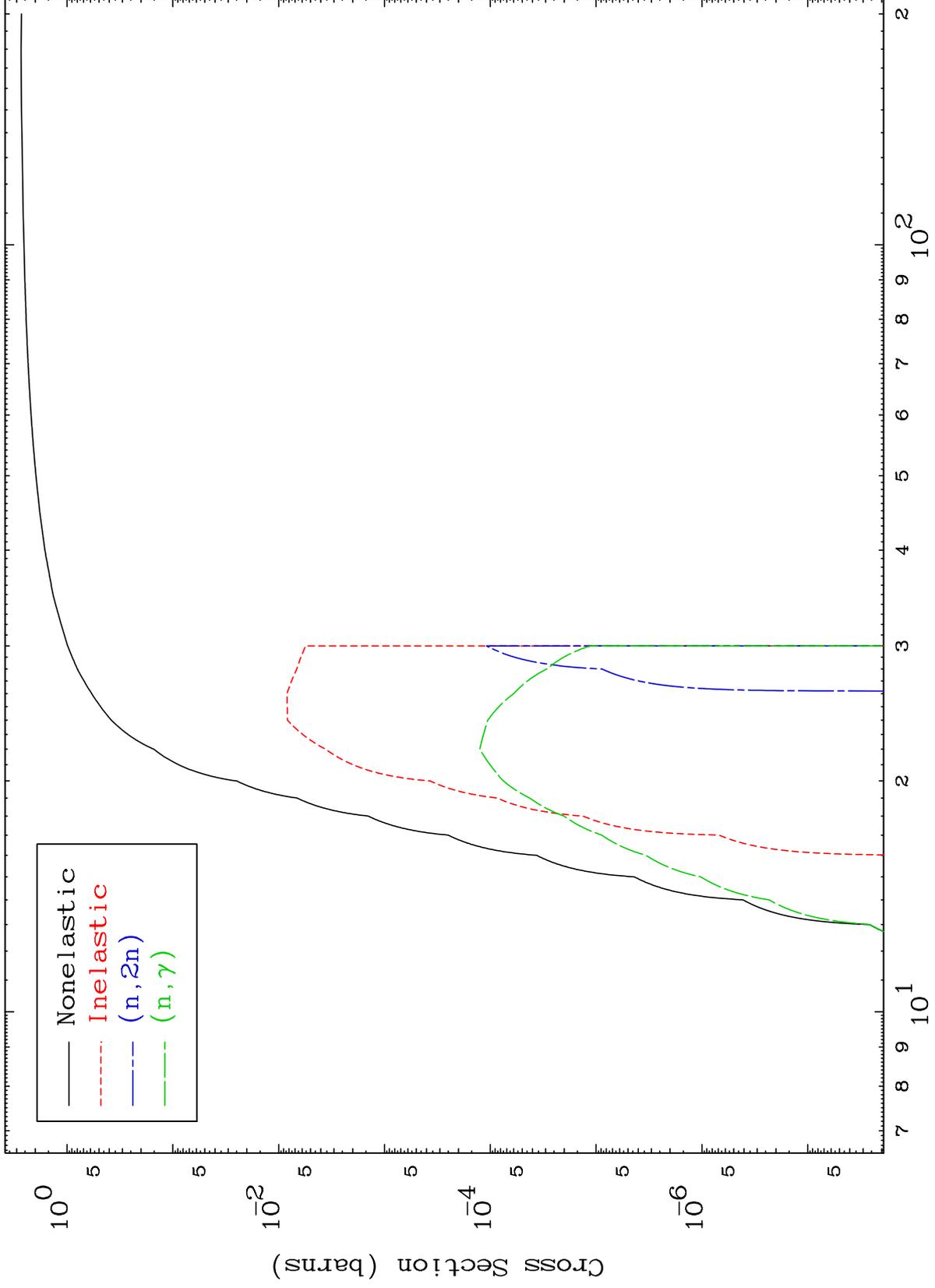
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Press Mouse Button to Start

MAT 8282

0 Kelvin Cross Sections

83-Bi-194n



1

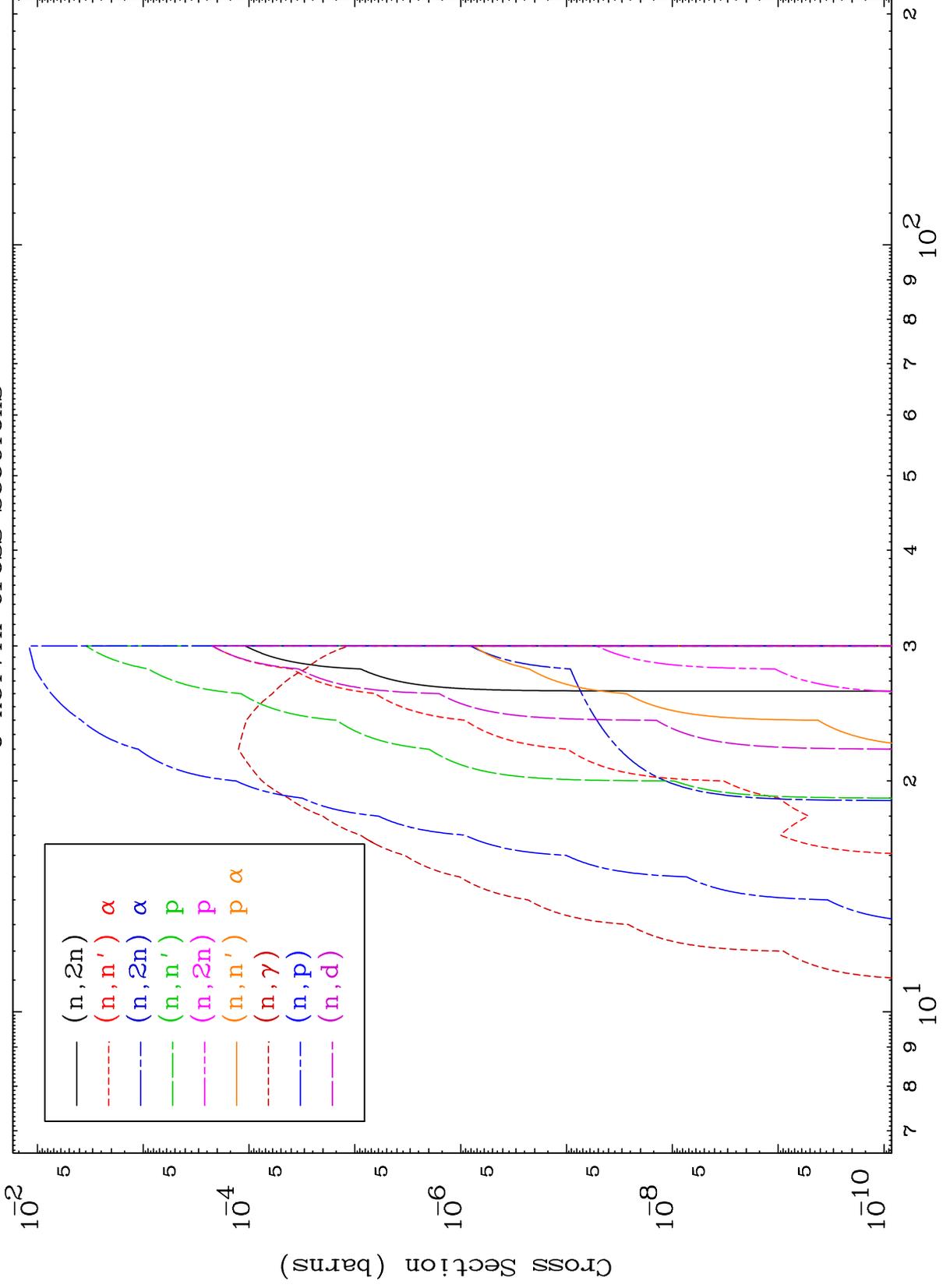
Incident Energy (MeV)

83-Bi-194n

MAT 8282

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-194n



2

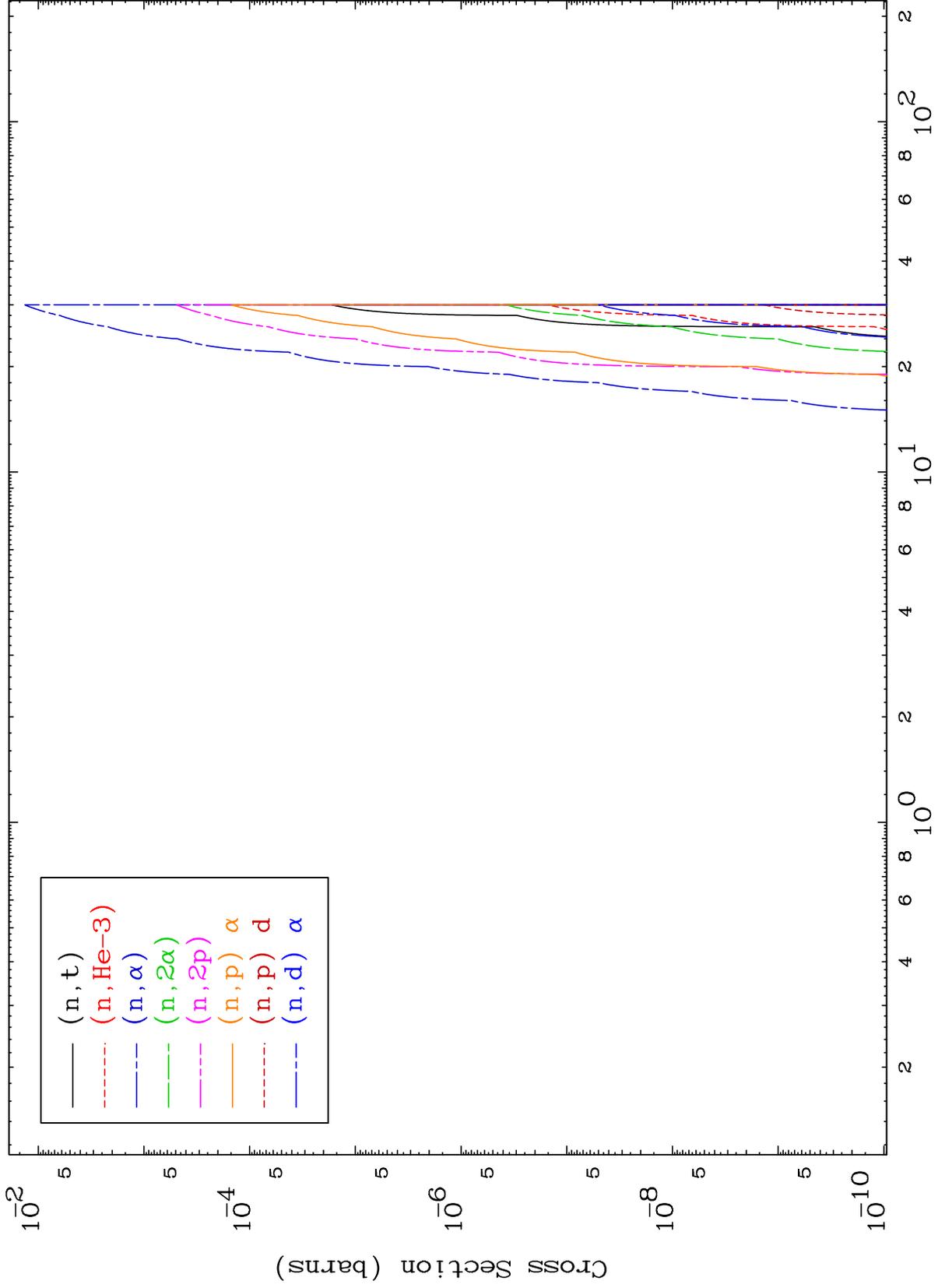
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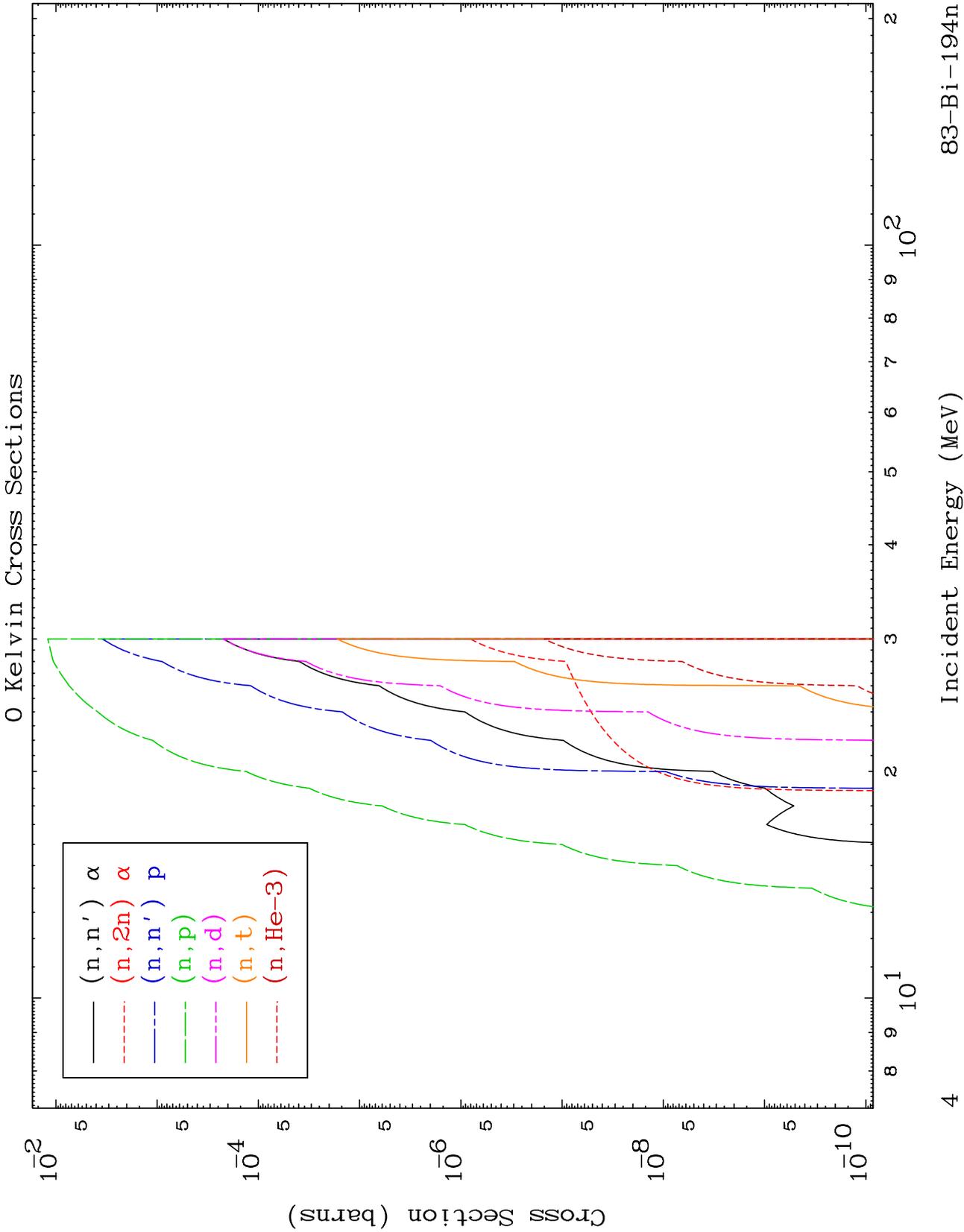
83-Bi-194n

MAT 8282

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-194n

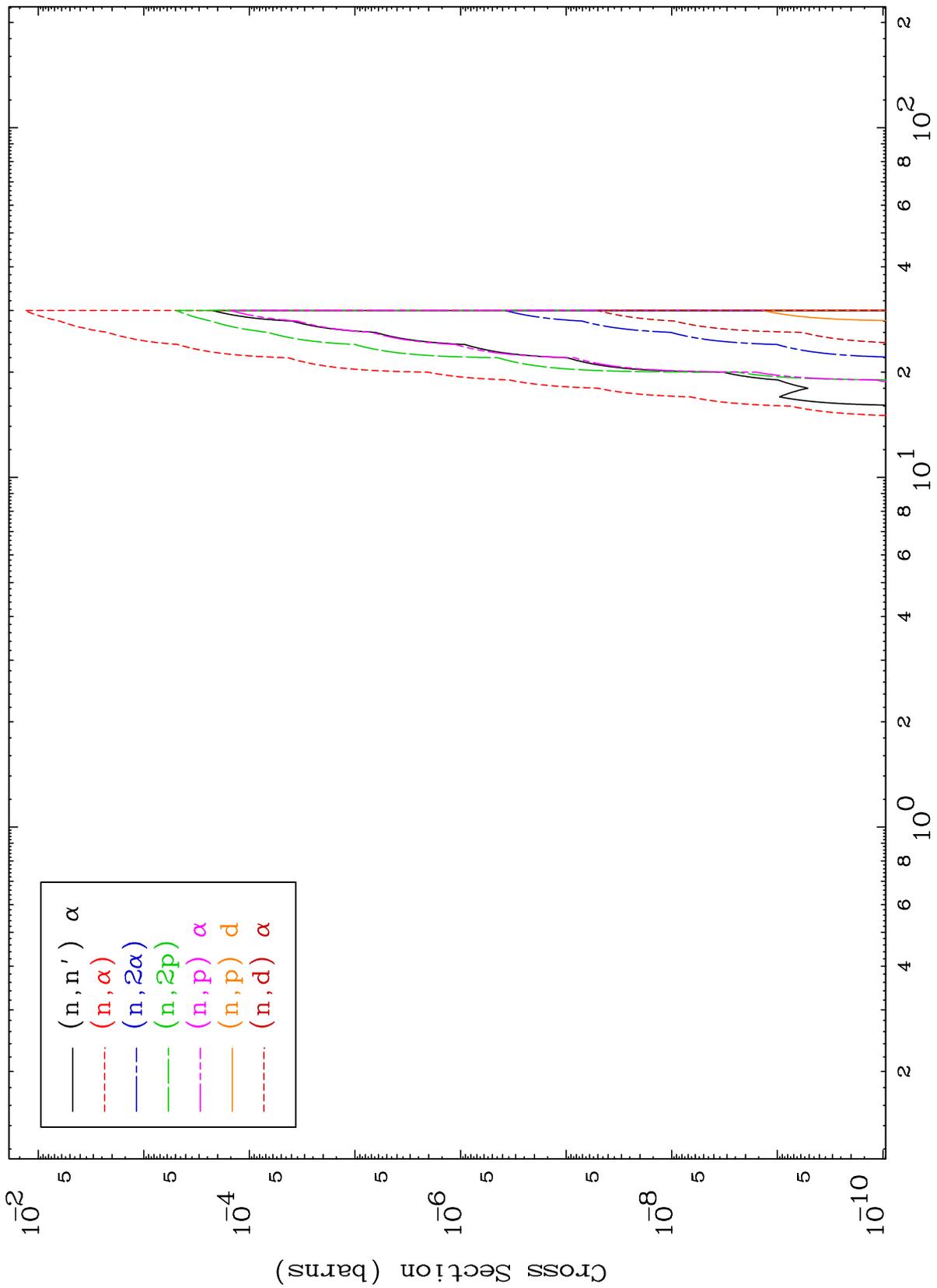




MAT 8282

α Charged Particle
0 Kelvin Cross Sections

83-Bi-194n

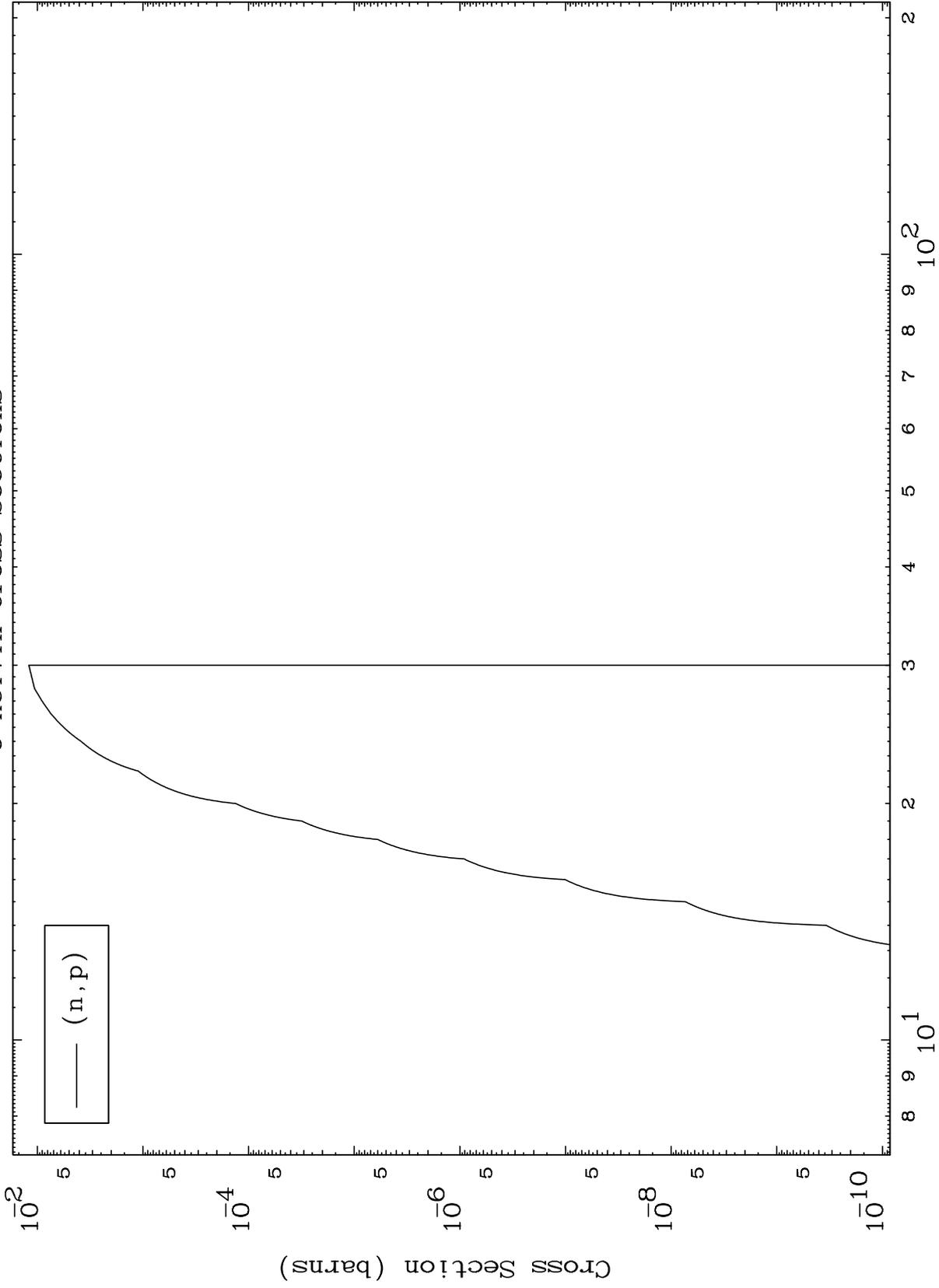


MAT 8282

(α, p) Levels

$^{83}\text{Bi}-194\text{n}$

0 Kelvin Cross Sections



6

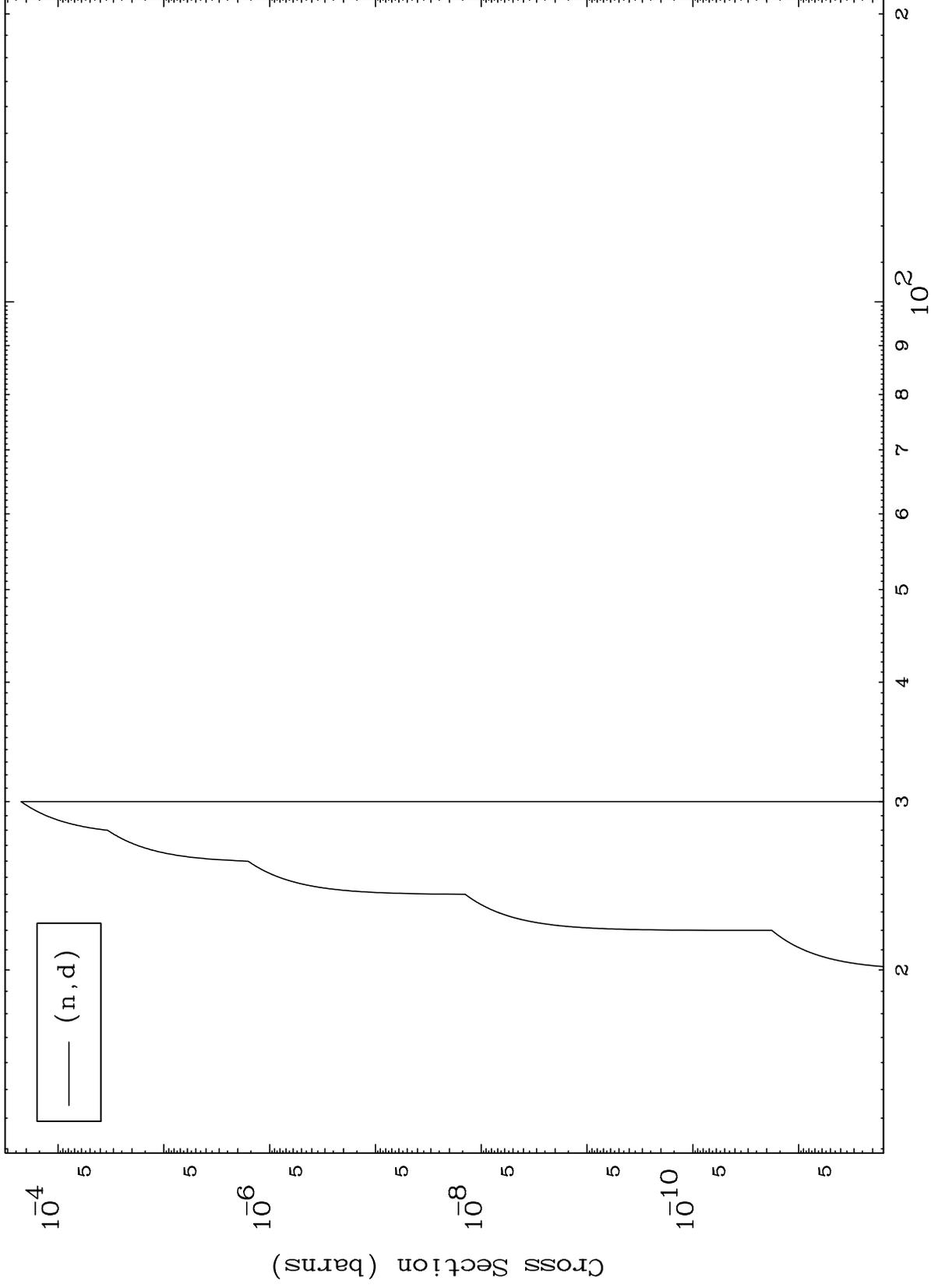
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$

MAT 8282

(α, d) Levels
0 Kelvin Cross Sections

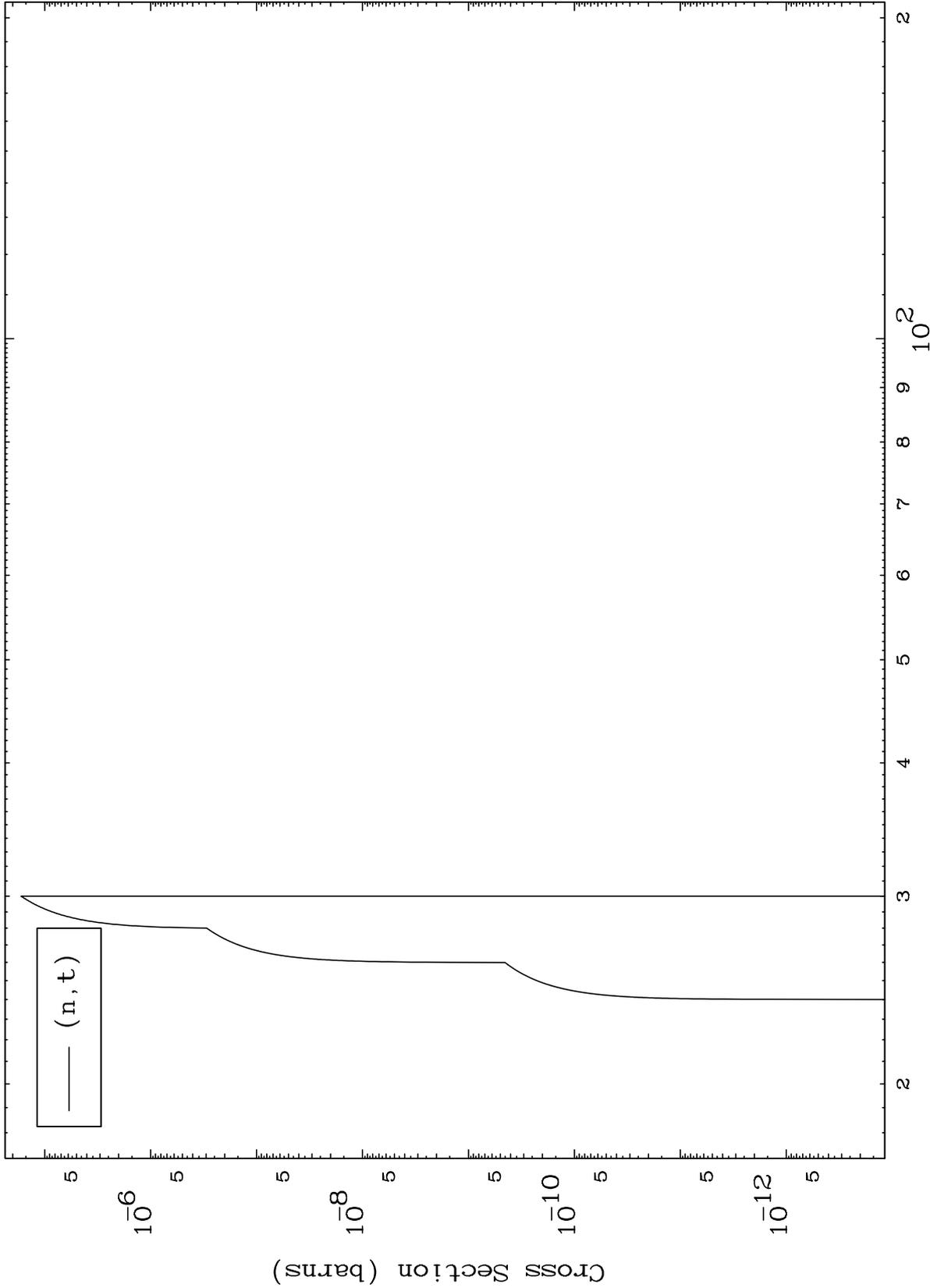
$^{83}\text{Bi}-194\text{n}$



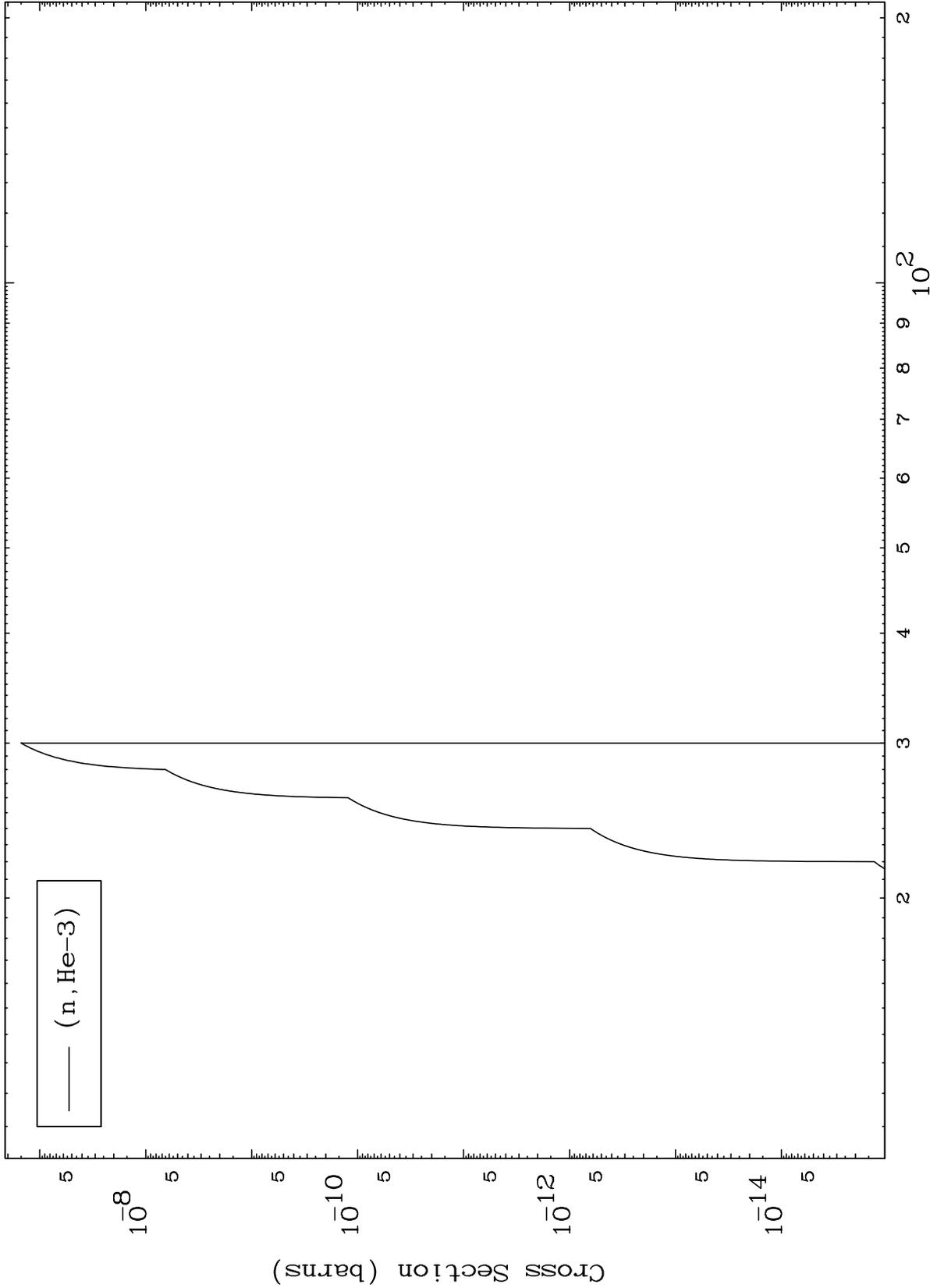
7

Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$



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



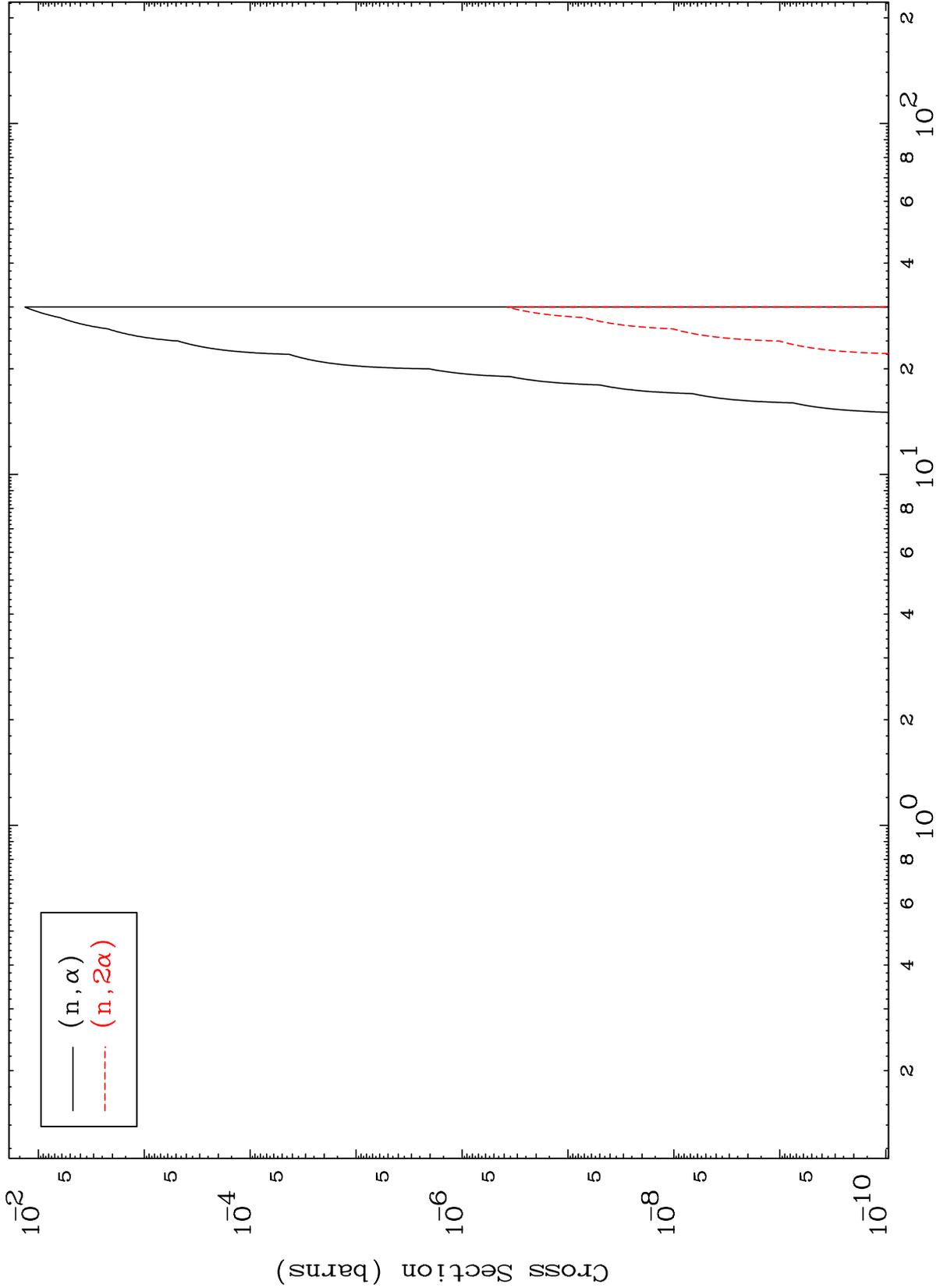
Incident Energy (MeV)

MAT 8282

(α, α) Levels

83-Bi-194n

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

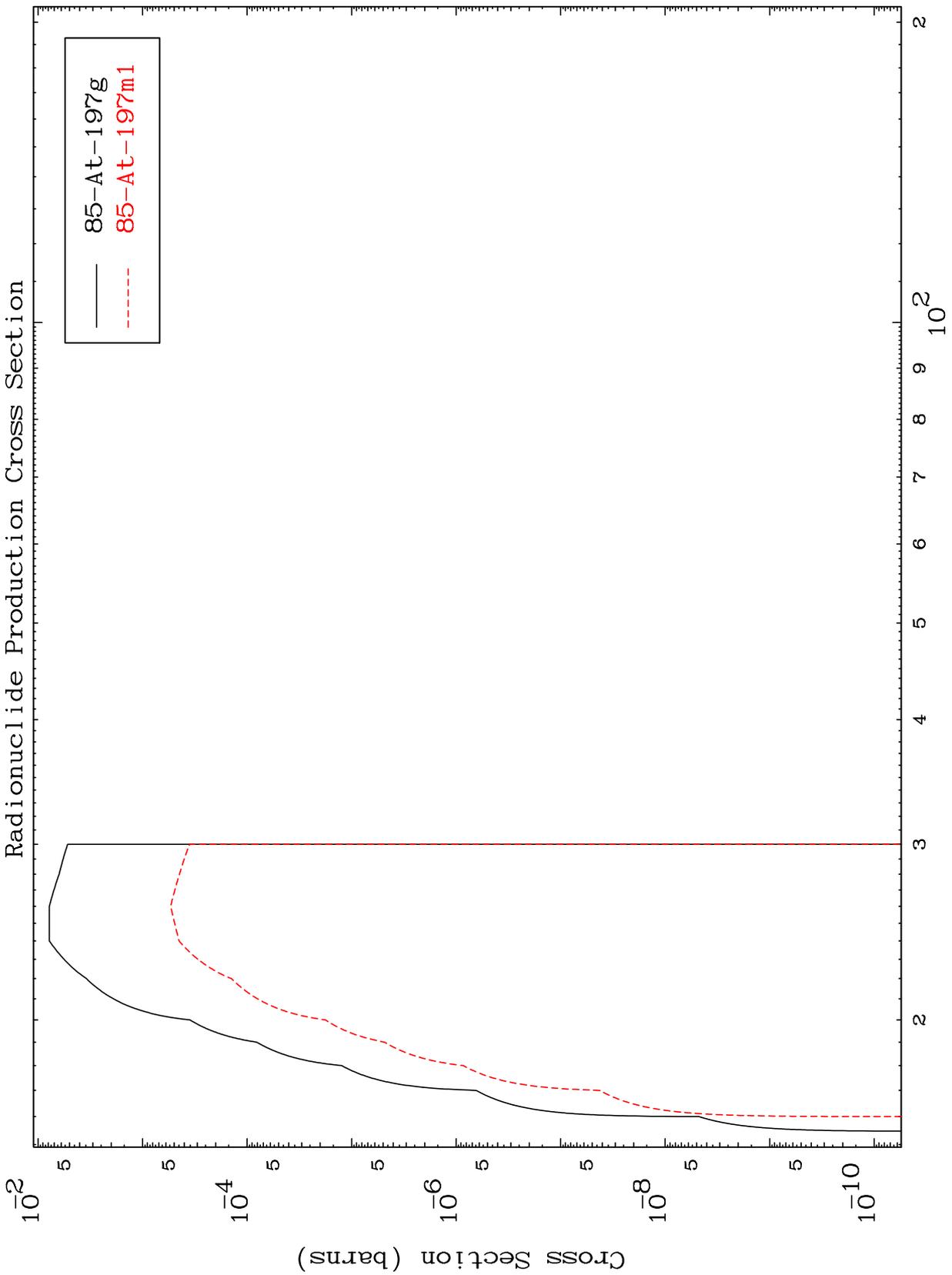
Incident Energy (MeV)

83-Bi-194n

MAT 8282

83-Bi-194n

Inelastic
Radionuclide Production Cross Section

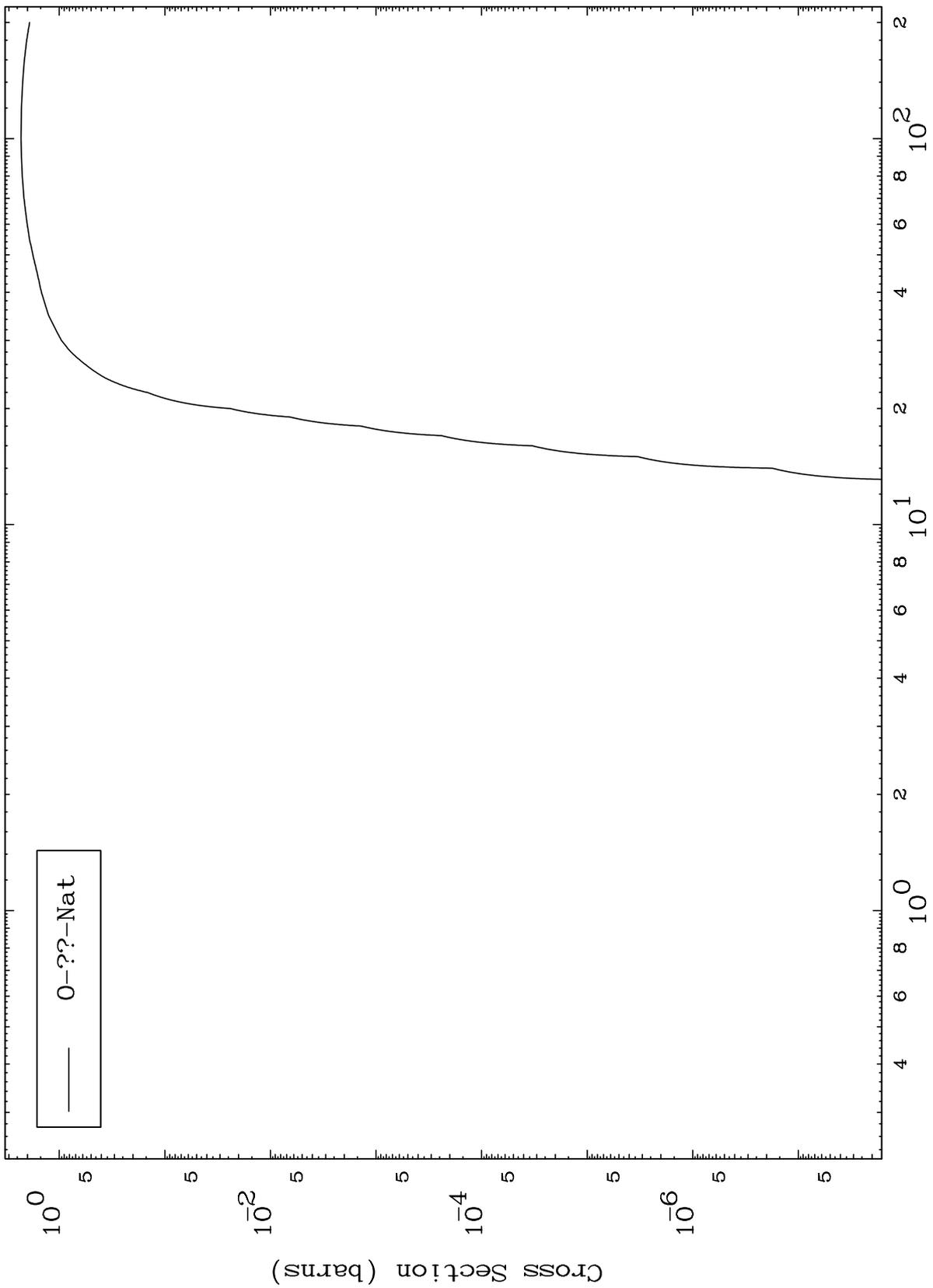


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Fission

83-Bi-194n

Radionuclide Production Cross Section

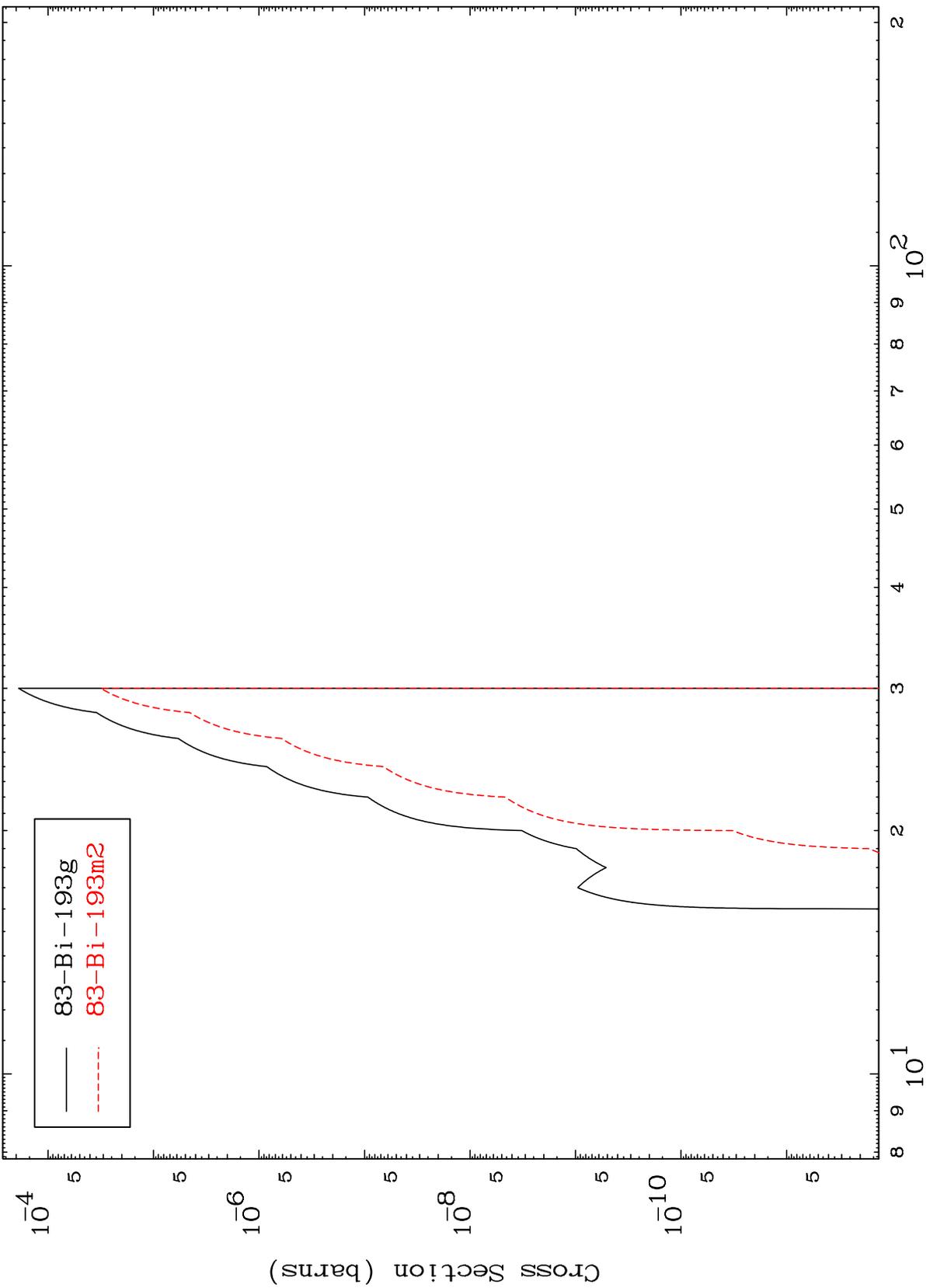


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$(n, n') \alpha$

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

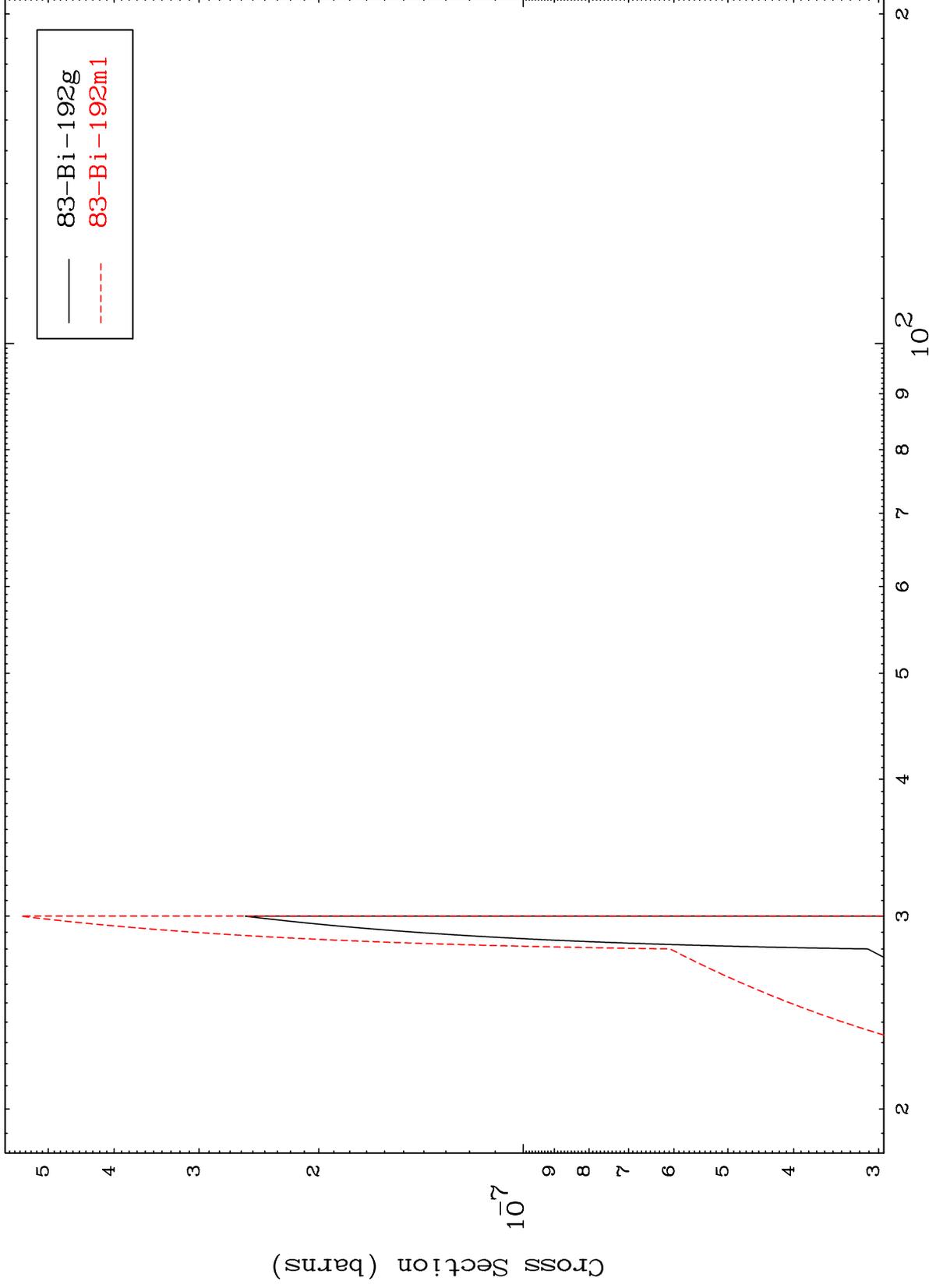
$^{83}\text{Bi}-194\text{n}$

MAT 8282

$(n,2n) \alpha$

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

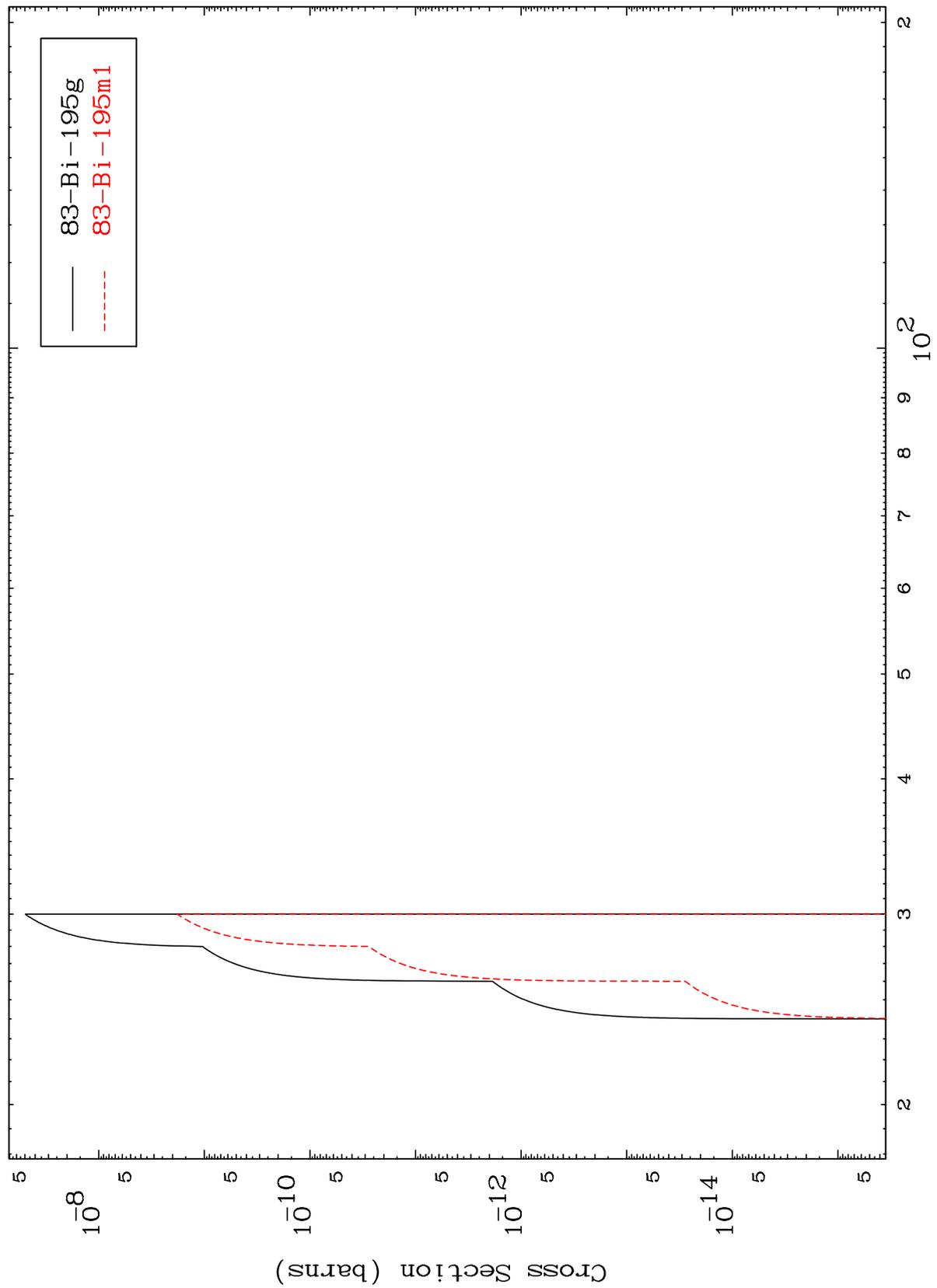
$^{83}\text{Bi}-194\text{n}$

MAT 8282

$(n,2n)$ p

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section



15

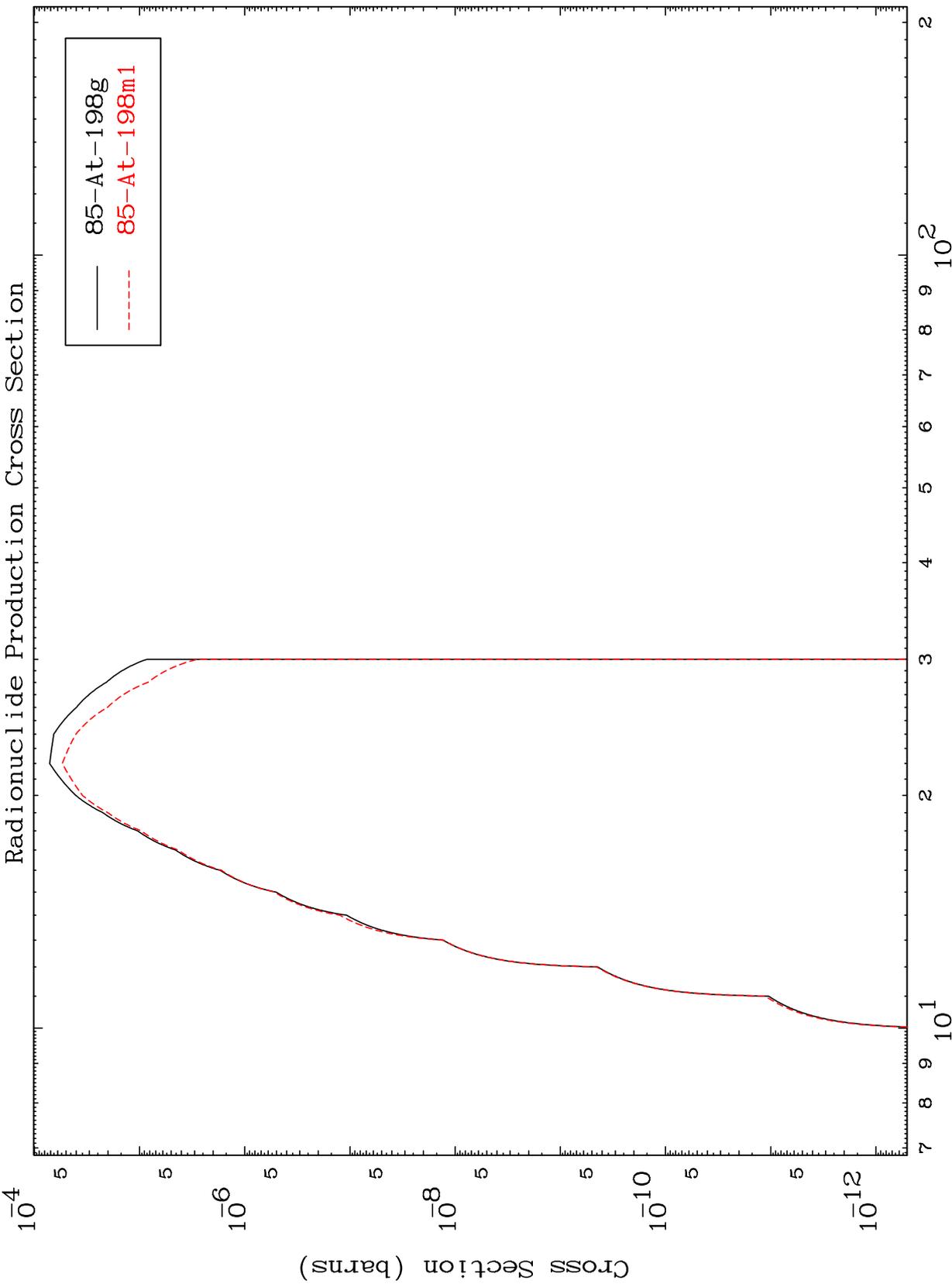
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$

MAT 8282

83-Bi-194n

(n,γ)
Radionuclide Production Cross Section



83-Bi-194n

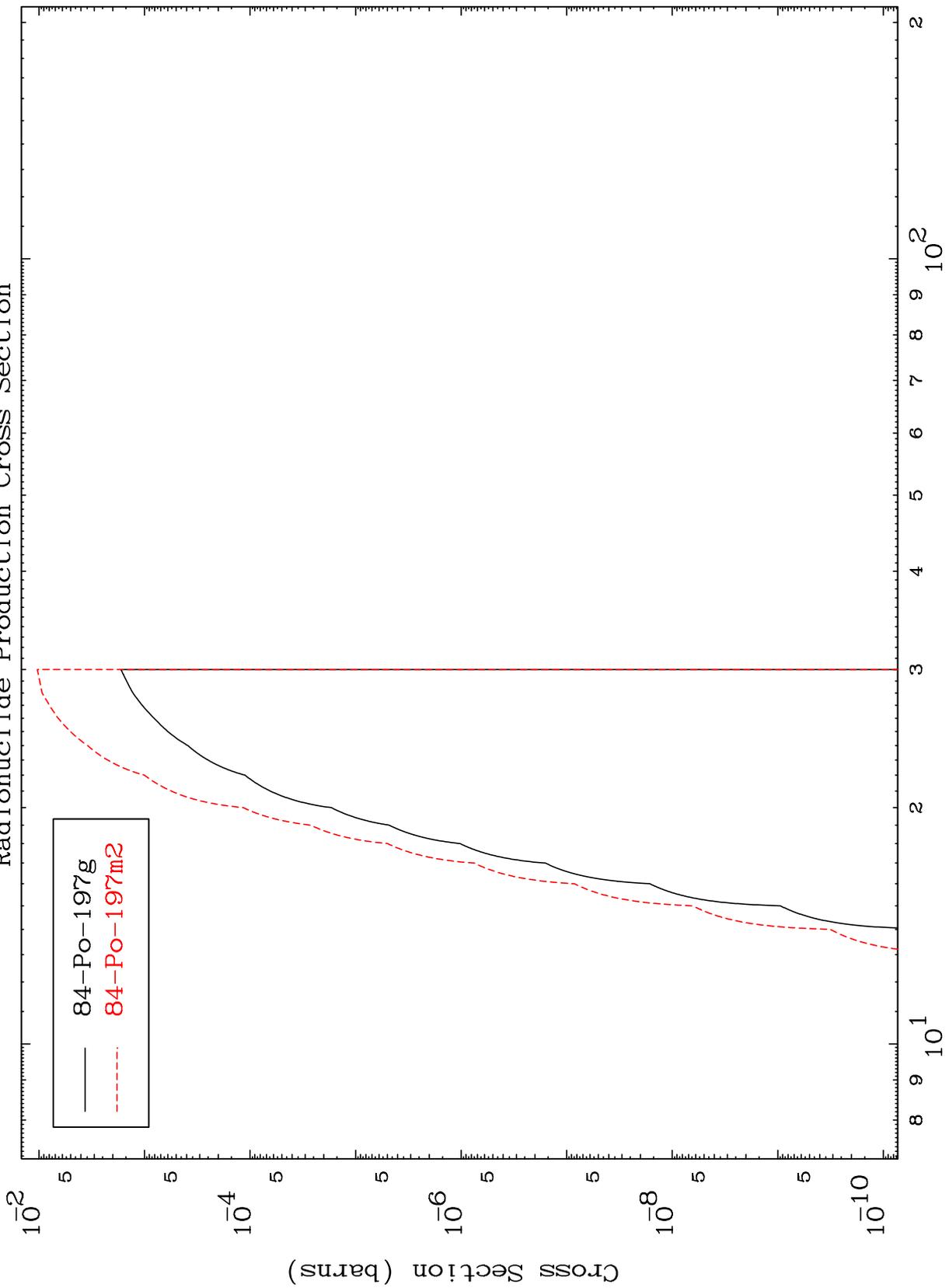
Incident Energy (MeV)

16

MAT 8282

83-Bi-194n

(n,p)
Radionuclide Production Cross Section

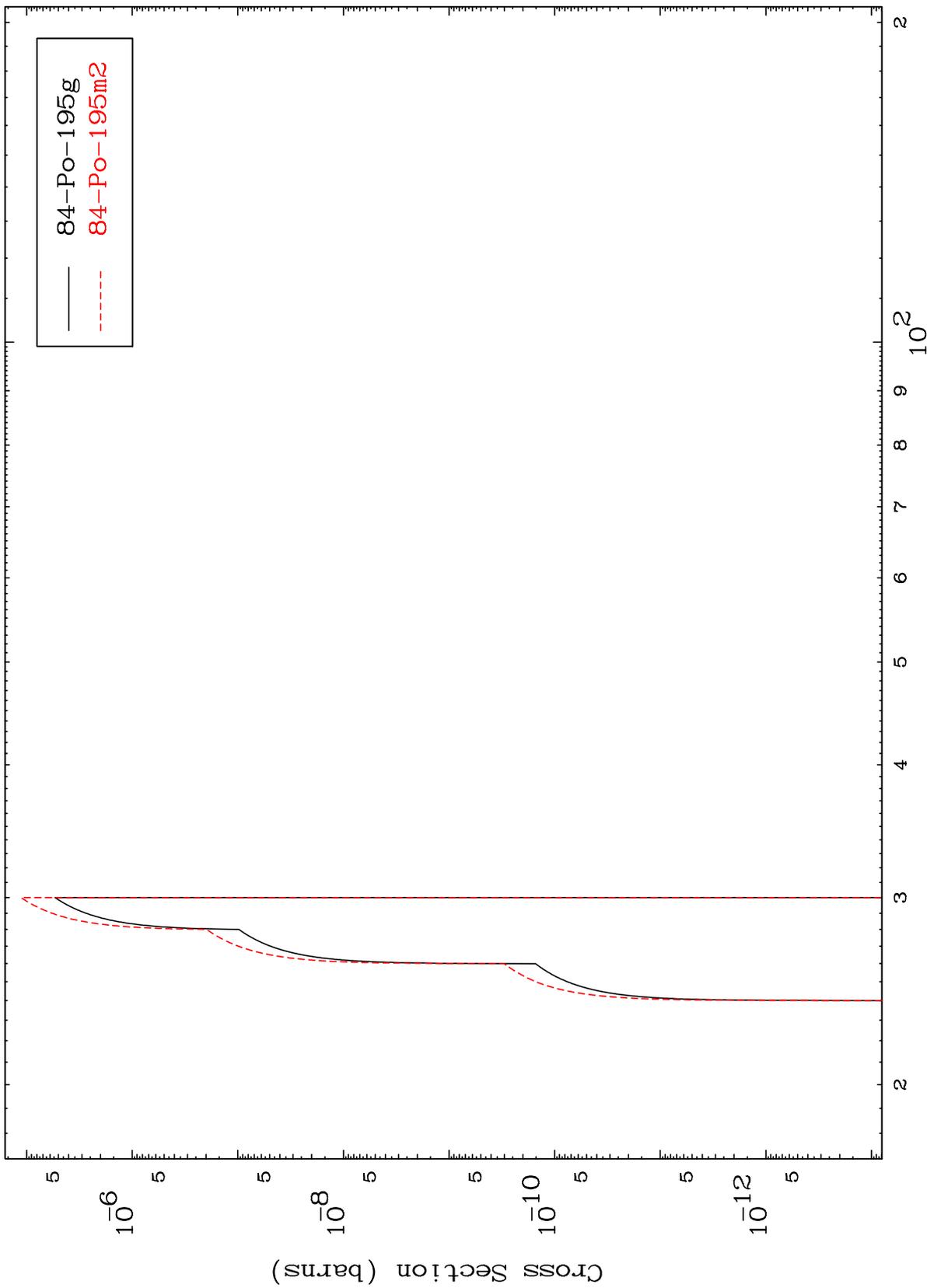


17

Incident Energy (MeV)

83-Bi-194n

(n, t)
Radionuclide Production Cross Section

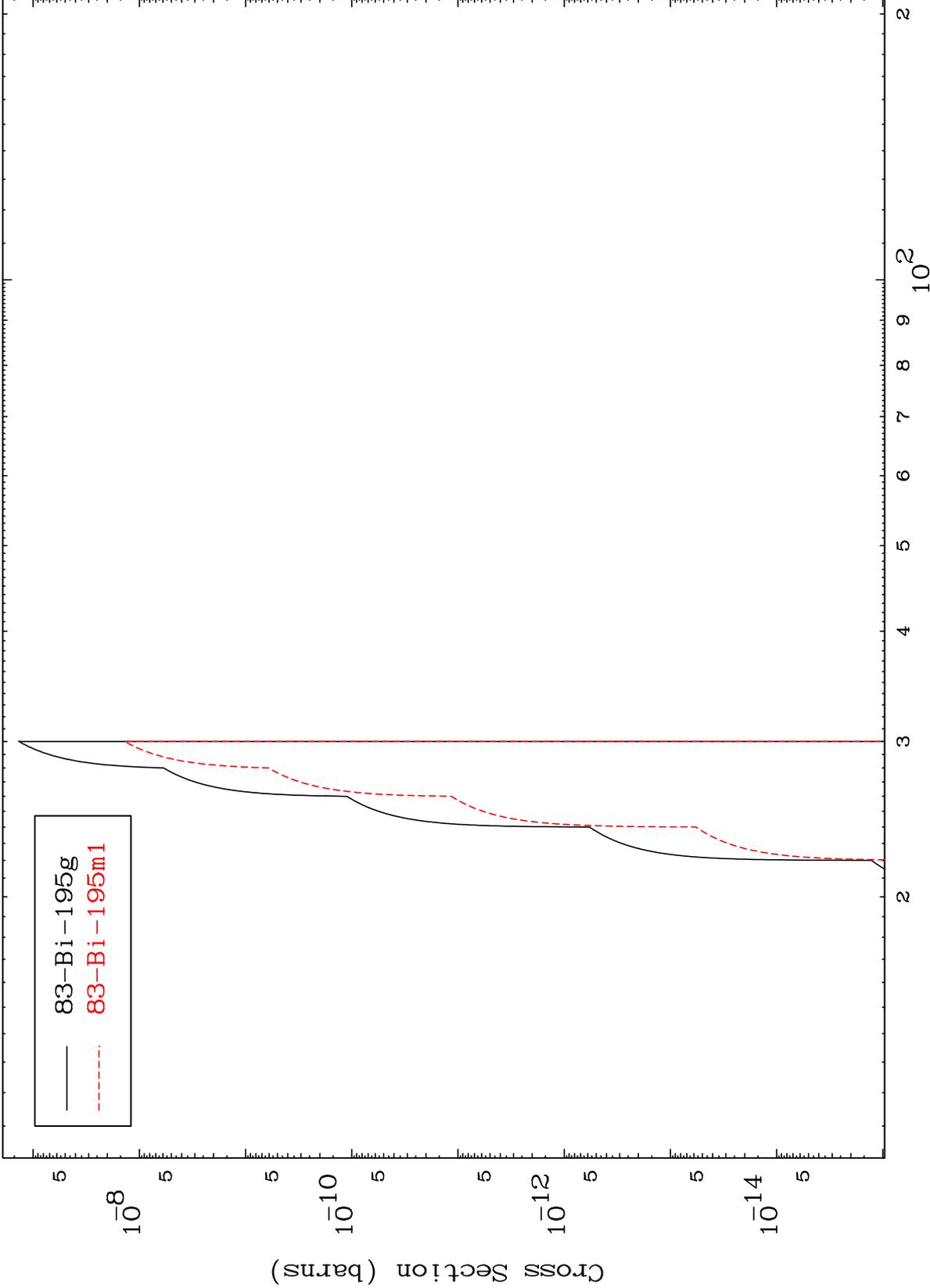


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(n,He-3)

83-Bi-194n

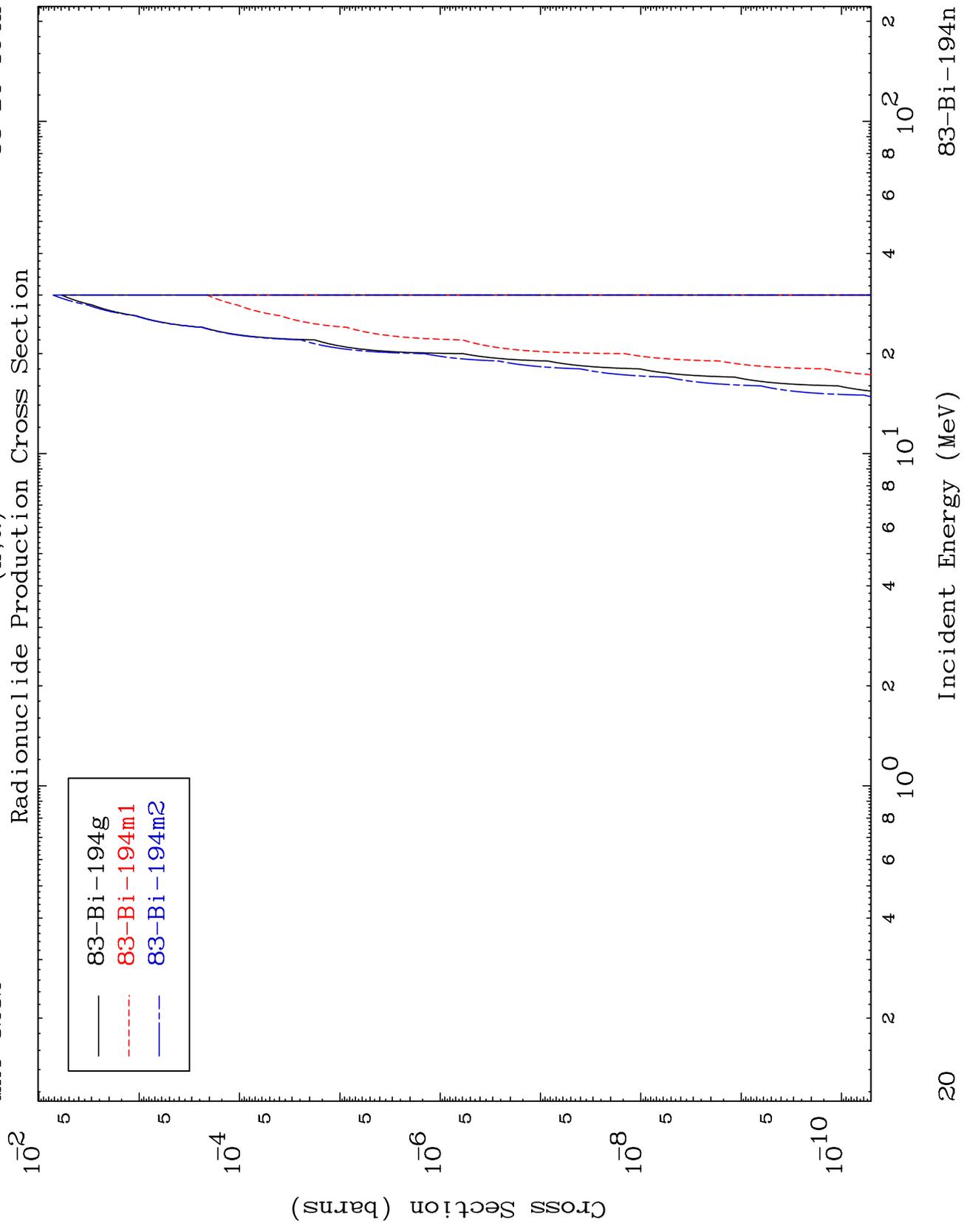
Radionuclide Production Cross Section



83-Bi-195g
83-Bi-195m1

MAT 8282

$^{83}\text{Bi}-194\text{n}$



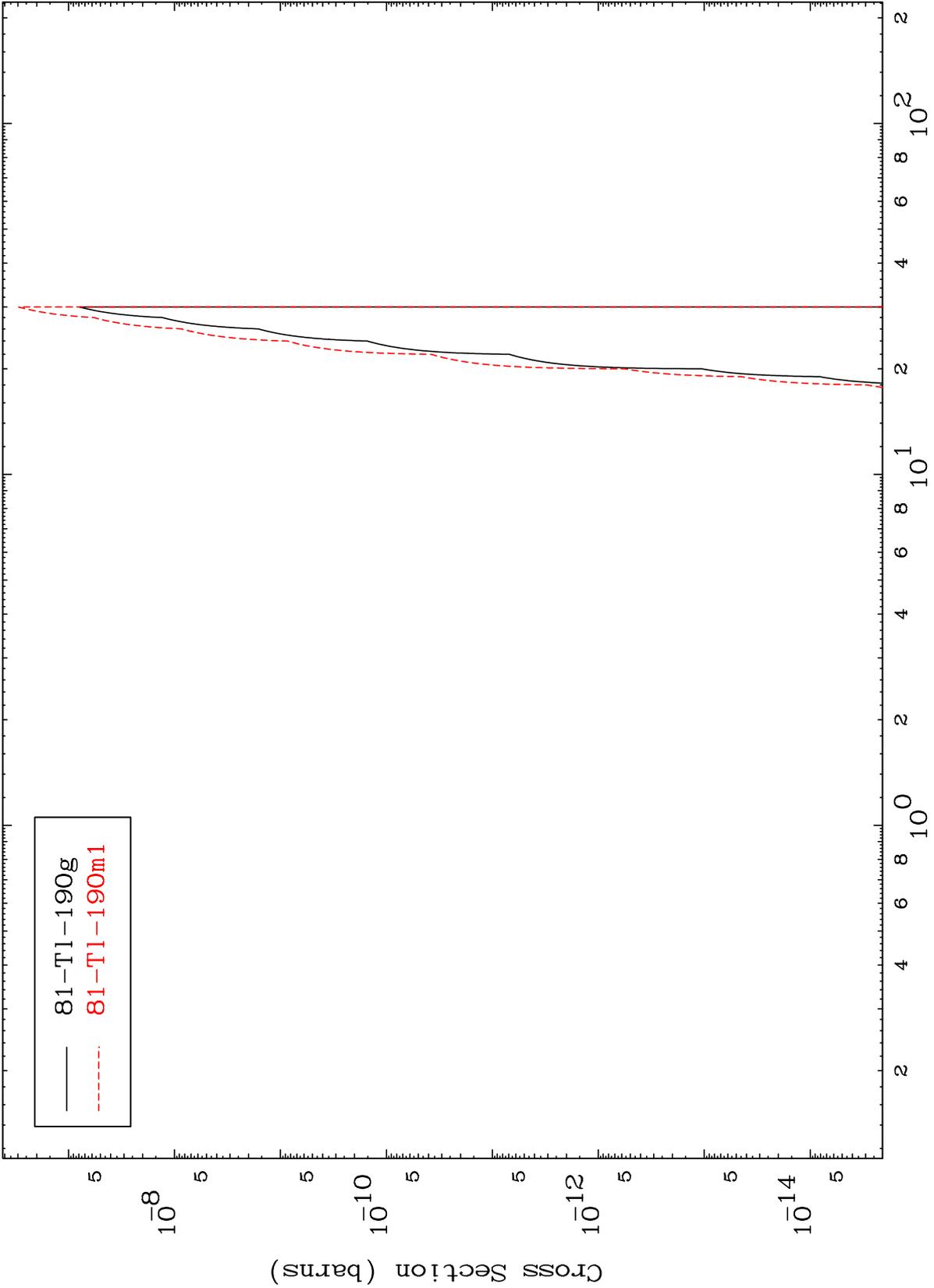
83-Bi-194g
83-Bi-194m1
83-Bi-194m2

MAT 8282

(n,2α)

83-Bi-194n

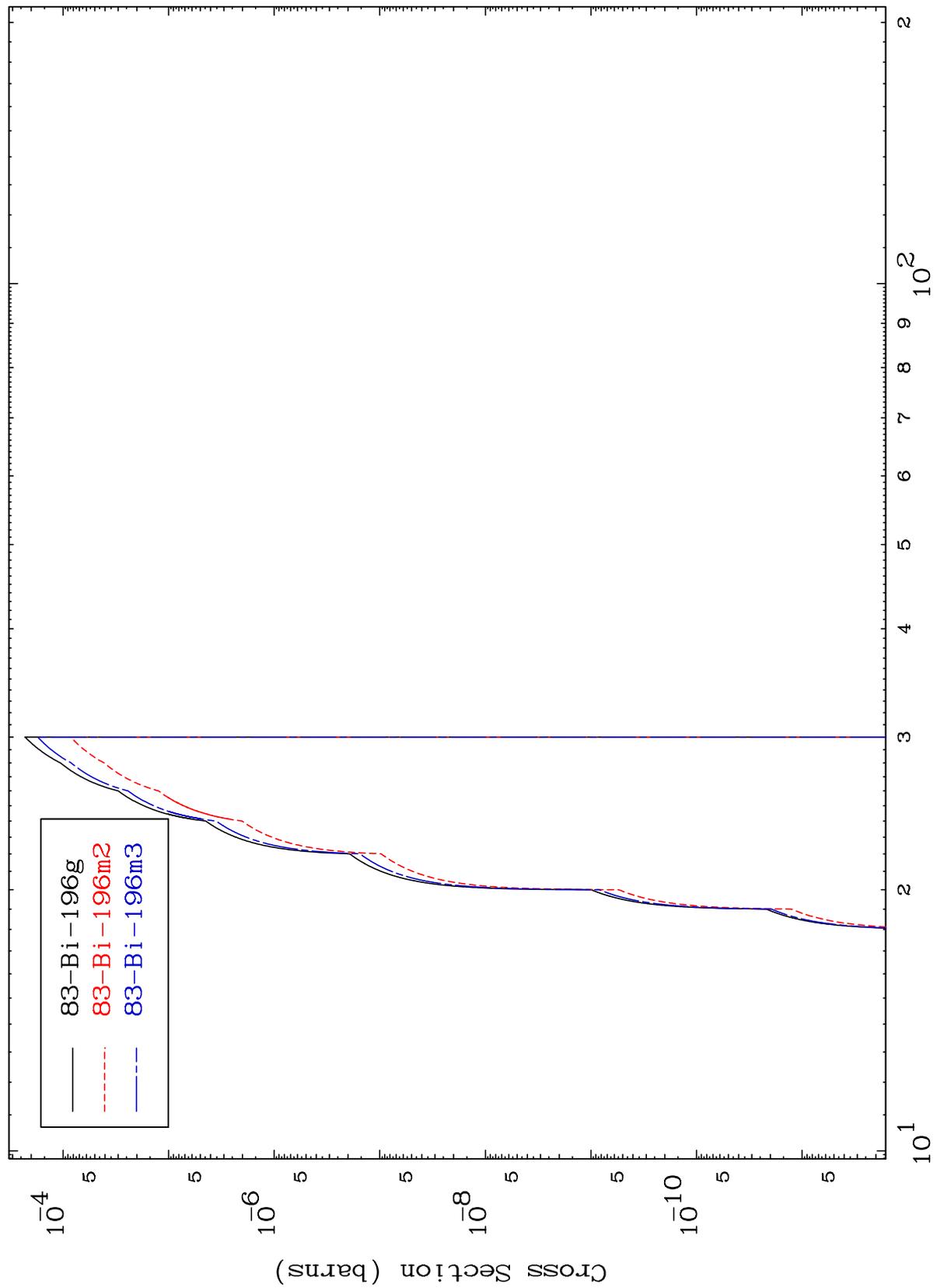
Radionuclide Production Cross Section



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⁸³Bi-194n

(n,2p)
Radionuclide Production Cross Section



⁸³Bi-194n

Incident Energy (MeV)

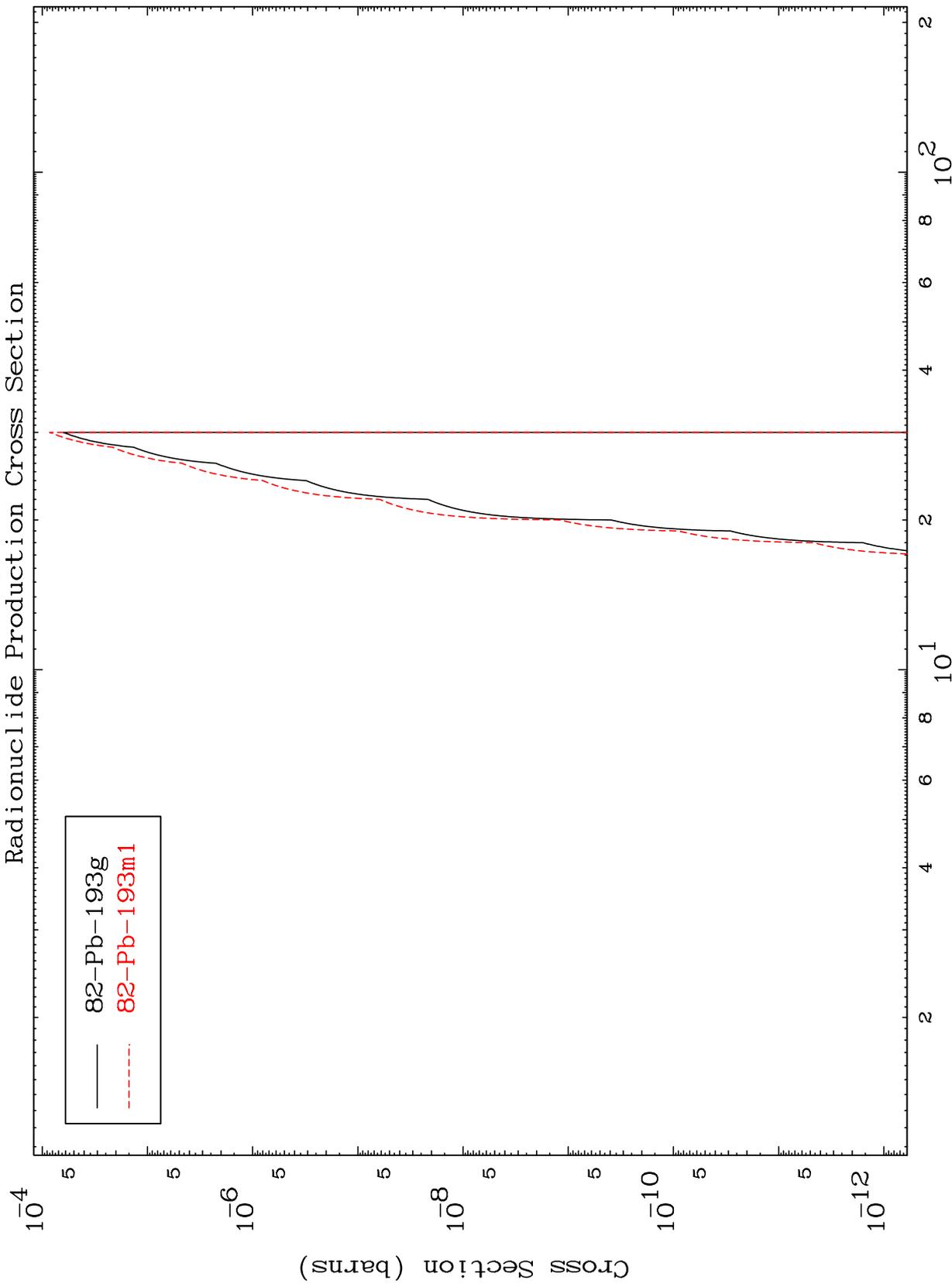
22

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(n,p) α

83-Bi-194n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-194n

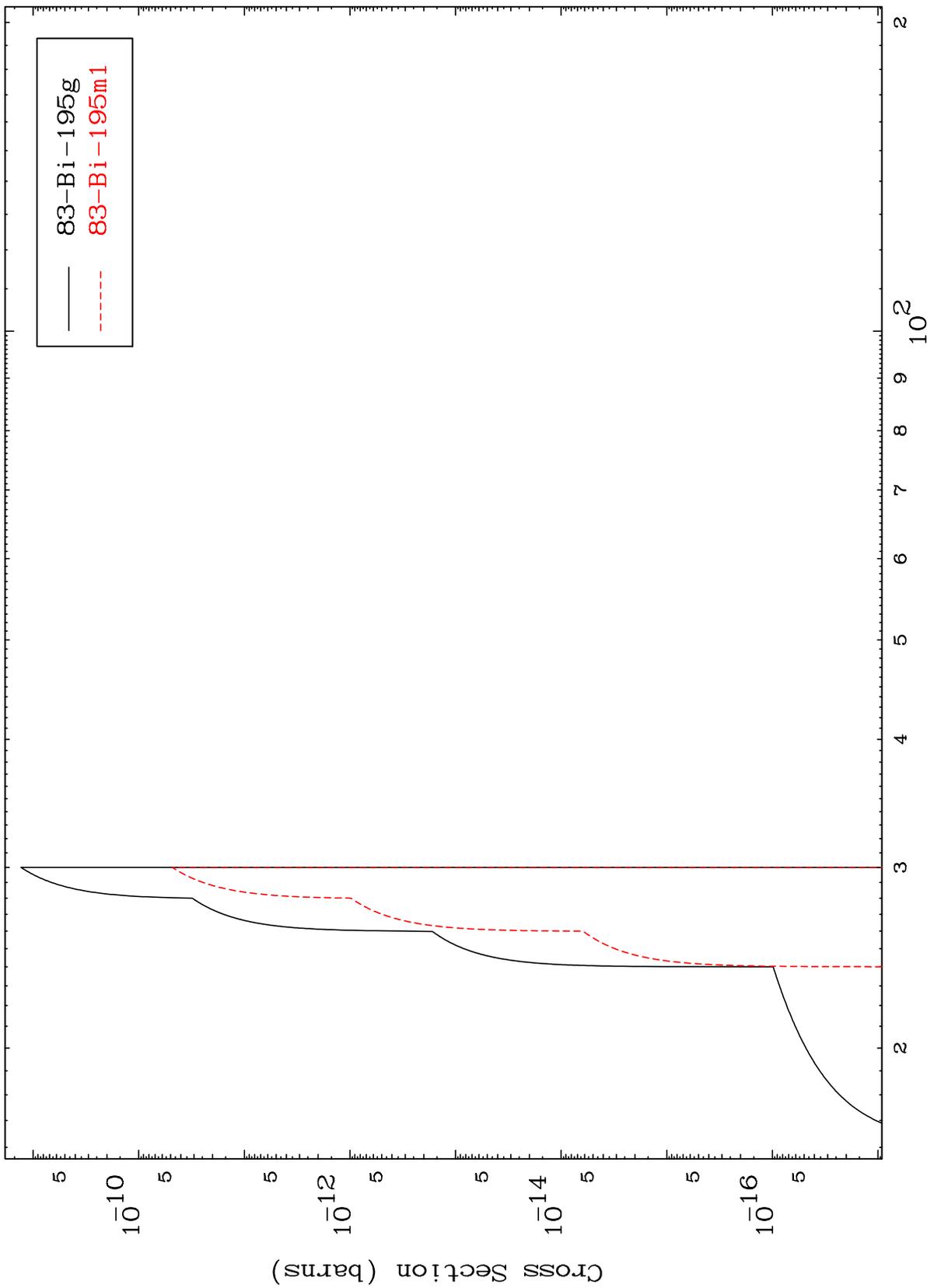
23

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(n,p) d

83-Bi-194n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

83-Bi-194n