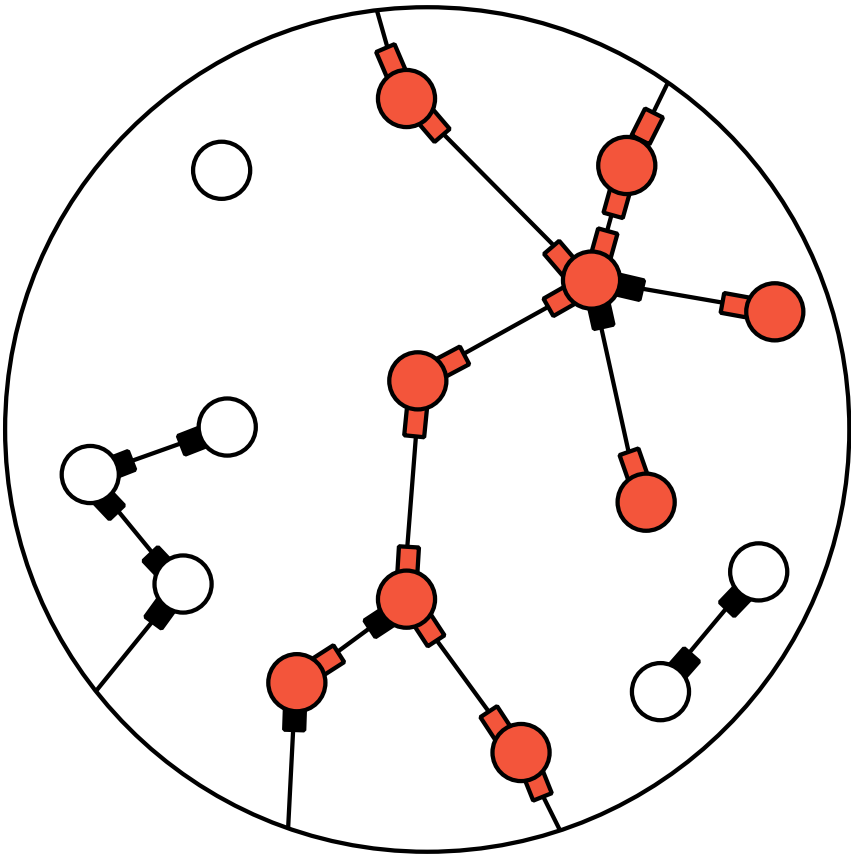
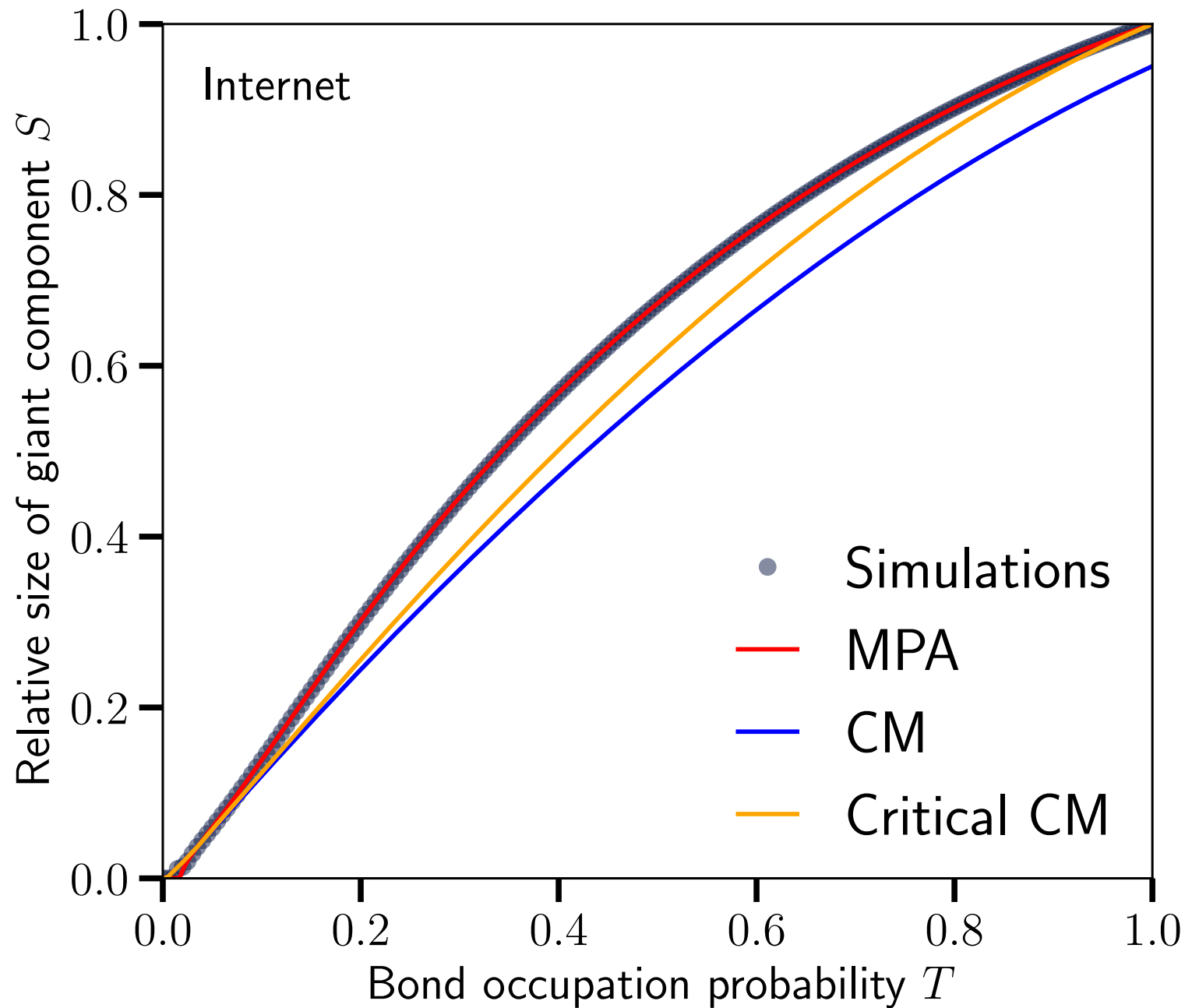


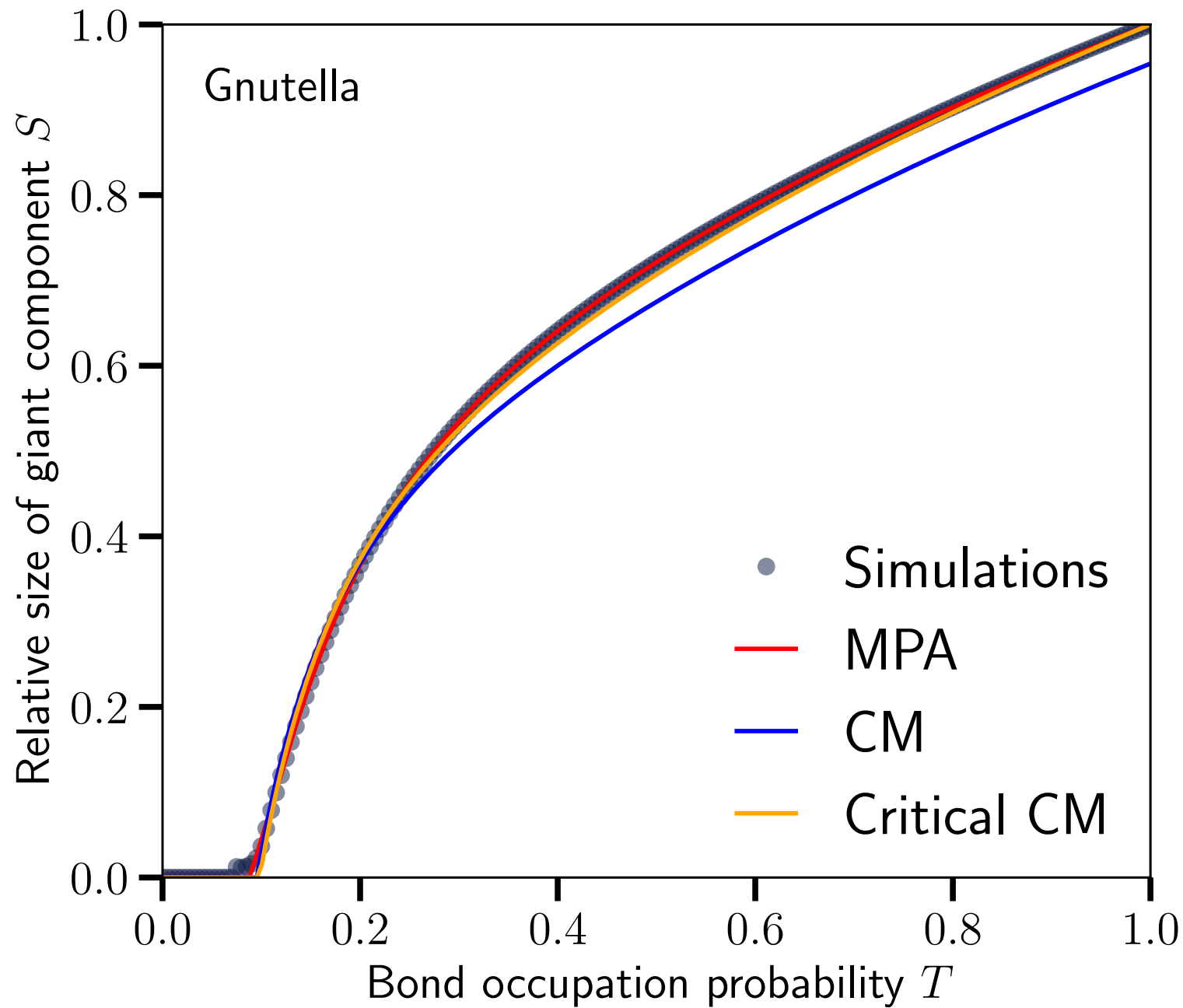
2

5

Macrosopic level: Connectivity







Preprocessing: Identify links that lead to the largest connected component and tag them as red; all remaining stubs are tagged as black.

Stub matching scheme

- ▷ One type of nodes
- ▷ Two types of stubs (red, black)
- ▷ Rules:
 1. Allowed links: red-red, red-black
 2. Black stubs connect to any other stubs, but only towards nodes with excess red degree 0.
 3. Red stubs connect to any other stubs, but only towards nodes with excess red degree at least 1.

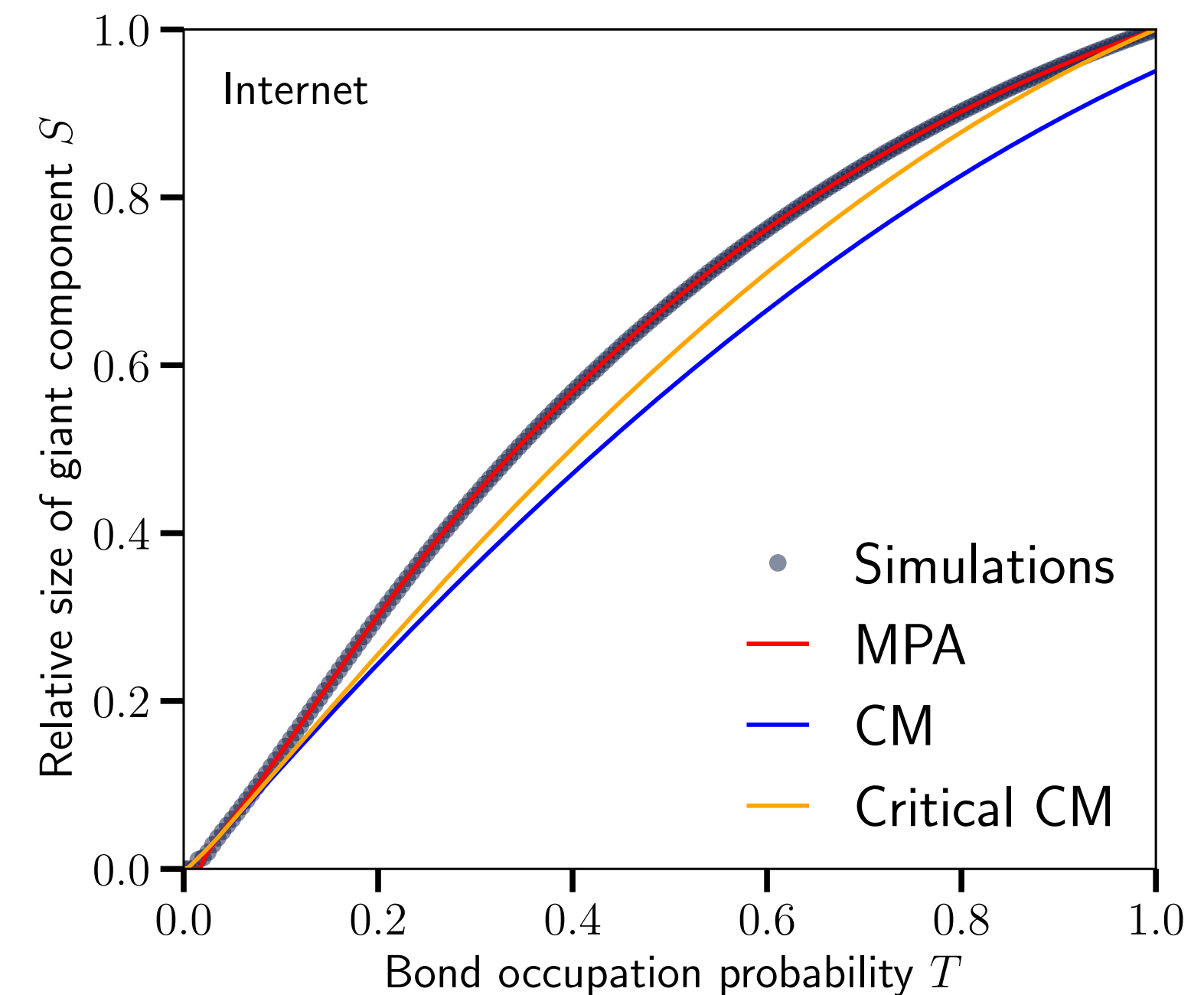
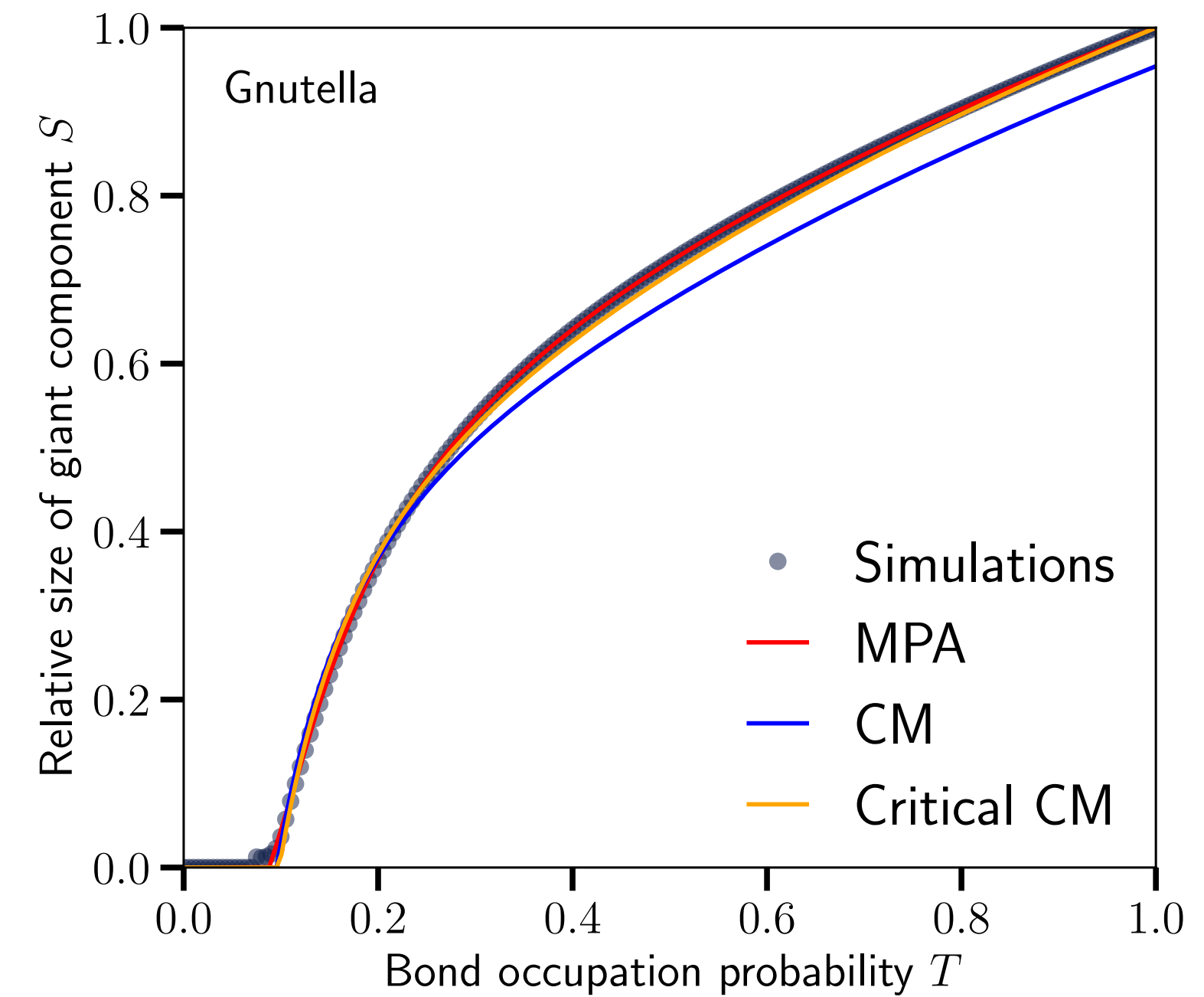
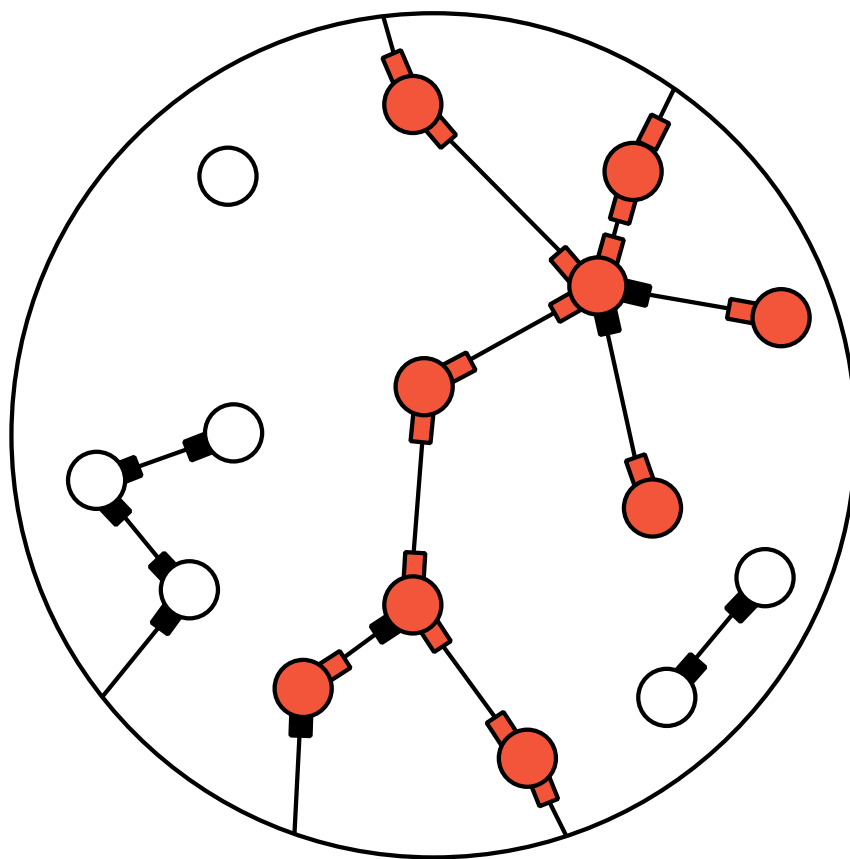
Macroscopic level: Connectivity

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Stub matching scheme

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Mesoscopic level: The k -core/onion decomposition

Onion decomposition: k -core decomposition with additional information about the positions of nodes within every k -shell (layers).

Information about layers is obtained from the k -core decomposition with minimal additional computational cost.

