|          | Split Cooper-pair box    | Quantronium            | Transmon  |
|----------|--------------------------|------------------------|---|
| Circuit  |                          |                        |   |
| Features | Tunable Josephson energy | Charge-flux qubit      | Charge noise reduction  |
|          | Xmon                     | Gmon                   | Fluxonium   |
| Circuit  | XY Z                     |                        | * · · · · · · · · · · · · · · · · · · ·                       |
| Features | Connectivity             | Tunable coupling       | Charge noise reduction  |
| Circuit  | 3-junction flux qubit    | C-shunt flux qubit     | Tunable-gap flux qubit  O  X  O  O  O  O  O  O  O  O  O  O  O |
| Features | Reduction of loop size   | Charge noise reduction | Tunability  |