

compnal::model::BaseU1Spin
_1D::GenerateBasis

compnal::model::BaseU1Spin
Electron_1D::GenerateBasis

compnal::utility::Generate
IntegerPartition

```
graph LR; A[compnal::model::BaseU1Spin_1D::GenerateBasis] --> C[compnal::utility::GenerateIntegerPartition]; B[compnal::model::BaseU1SpinElectron_1D::GenerateBasis] --> C; C --> C;
```

The diagram illustrates a dependency or call structure. On the left, two white rectangular boxes are stacked vertically. The top box contains the text 'compnal::model::BaseU1Spin_1D::GenerateBasis' and the bottom box contains 'compnal::model::BaseU1SpinElectron_1D::GenerateBasis'. Blue arrows point from the right side of each of these boxes to the left side of a single gray rectangular box on the right. This gray box contains the text 'compnal::utility::GenerateIntegerPartition'. A blue curved arrow originates from the top edge of the gray box and points back to its top edge, representing a self-loop or recursive call.