```
mn resamp fast1< nparts,
                                       dimx, float t >
                                   mn_resampler< nparts,
                                       dimx, float t >
rbase< nparts, dimx,
                                  resid resampler< nparts,
      float_t >
                                       dimx, float t >
                                   stratif resampler<
                                    nparts, dimx, float t >
                                  systematic_resampler
                                  < nparts, dimx, float t >
```