## Sample description

### «interface»
### ISample

*+ clone() : ISample\**
*+ createDWBASimulation() : DWBASimulation\**

### MultiLayer

− m_layers : std::vector<Layer \*>
− m_interfaces : std::vector<LayerInterface \*>

\+ getNumberOfLayers() : size_t
\+ getNumberOfInterfaces() : size_t
\+ addLayer(const Layer &layer) : void

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### Layer

− mp_material : IMaterial\*
− m_thickness : double

\+ getThickness() : double
\+ setThickness(double thickness) : void

## Simulation Data

### Experiment

− mp_sample : ISample\*
− mp_sample_builder : ISampleBuilder\*
− m_detector : Detector
− m_beam : Beam
− m_intensity_map : OutputData<double>
− m_sim_params : SimulationParameters

*+ clone() : Experiment\**
*+ runSimulation() : void*
*+ normalize() : void*

### ISample

### Detector

### Beam

### SimulationParameters

### GISASExperiment

The "runSimulation()" method retrieves
an ISimulation object from the top-
most ISample object and calls its "run()"
method to perform the actual computa-
tions.

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