The diagram illustrates the dataflow and interactions between various components of the inner tracker, calorimeters, and muon system, as well as the global trigger and readout systems. Key elements include:

- **Inner Tracker**, **Calorimeters**, and **Muon System** are shown at the top level, indicating their role in data acquisition.

- **L0Calo**, **L0Muon**, and **MUCTPI** are intermediate processing stages that connect to the **Global Trigger**.

- **L0CTP** and **L1Track** are components involved in triggering and event processing.

- **Readout** is a central node that interfaces with various data streams.

- **Event Filter** and **EF accept signal** are components that filter and accept events based on certain criteria.

- **Processor Farm** and **gHTT** are part of the event filtering process.

- **Dataflow** and **Permanent Storage** are key components for data management and storage.

- **ITk data (Max 4 MHz)**, **Readout data (1 MHz)**, **Readout data (800 or 600 kHz)**, **gHTT data (100 kHz)**, **EF accept signal**, **Output data (10 kHz)**, and **Regional Readout Request** are specified as data flow rates and signals.