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## Computing in IceCube

*Monday, September 3, 2007 8:00 AM (20 minutes)*

The IceCube neutrino telescope is a cubic kilometer Cherenkov detector currently under construction in the deep ice at the geographic South Pole. As of 2007, it has reached more than 25 % of its final instrumented volume and is actively taking data. We will briefly describe the design and current status, as well as the physics goals of the detector. The main focus will, however, be on the unique computing structure of the experiment, due to the remoteness of the detector and the limited access to satellites for data transfer. We will also outline the structure of the software framework used for filtering, reconstruction and simulation.

### **Submitted on behalf of Collaboration (ex, BaBar, ATLAS)**

IceCube

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