

ATMOSPHERIC MONITORING AT HIRES - HARDWARE SYSTEMS 1

HiRes Collaboration

HiRes has deployed several systems used to determine atmospheric parameters while the observatory is collecting air-shower data. These include two steerable lasers, and an array of vertical and inclined Xenon "flashers". Light scattered out of their beams are recorded by the same instrument that measures light from air showers. These are supplemented by IR detectors that are sensitive to temperature variations caused by clouds. This poster will describe the design, features, and operation of these systems.