## THE APERTURE, SENSITIVITY, AND PRECISION OF THE AUGER FLUORESCENCE DETECTOR

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The Auger Fluorescence detector is designed to accept with high efficiency and measure with good precision showers with energy above  $10^{19}$  eV that hit ground within the surface array area. With the proposed site layout, each detector eye must reach out to a distance of the order of 20 km. This requires telescopes of large aperture to maximize fluorescence light yield and efficient filtering to reject night-sky background. Design specifications to achieve an adequate performance will be outlined. Reconstruction techniques and limiting factors in the precision of measurements of shower parameters will also be discussed.