



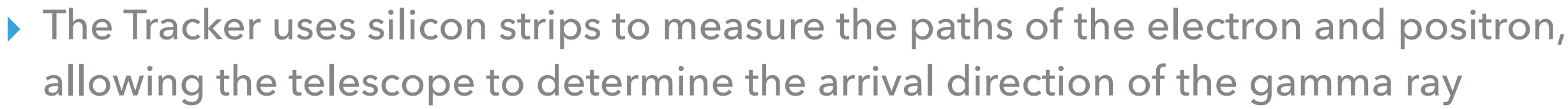




**HOW MANY TELESCOPES**

▶ Arguably the best, passing through Anti-Coincidence Detector

► The gamma ray interacts in one of 16 thin tungsten sheets. This interaction converts the gamma ray into an electron and a positron via pair production



► The Tracker uses silicon strips to measure the paths of the electron and positron, allowing the telescope to determine the arrival direction of the gamma ray

► The electron and positron enter the Calorimeter, which measures the energies of the particles, and therefore the energy of the original gamma ray



► Unwanted cosmic-ray particles produce a signal in the Anti-coincidence Detector, which tells the Data Acquisition System to reject the signal. The Anti-coincidence Detector rejects 99.97% of unwanted signals produced by cosmic rays that enter the telescope



THE SCIENCE

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theater | escores

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**GAMMA RAY**

IMAGES

AND NOW THE



PROPERTY