8th International Conference on Position Sensitive Detectors



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A Biological Position Sensitive Detector

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The back of the eye is lined by an extraordinary biological position sensitive detector, the retina. This living neural network is able to extract vital information about the external visual world, and transmit this information in a timely manner to the brain. In this talk, after a brief introduction to retinal architecture, I will describe how we measure the functional properties of the retina, show what we have learned about its functional organization, and discuss studies aimed at guiding the design of retinal prosthetic devices. This project was inspired by the development of position sensitive detectors for high energy physics experiments.

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