

## Trends in the design of microcircuits for front-end electronics (overview).

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The results of analyzing literary sources on the design of microcircuits of multichannel radiation detector signal acquisition and processing in large physical experiments have been presented. There are considered such parameters of microcircuits, as the number of signal processing channels, power consumption per channel, noise level, input charge conversion factor (for the linear part of channel) and so on. Touched upon are also the technology of manufacture and the name of physical experiment, in which framework the design was carried out .

### **Presentation type**

Section talk (10+5 min)

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