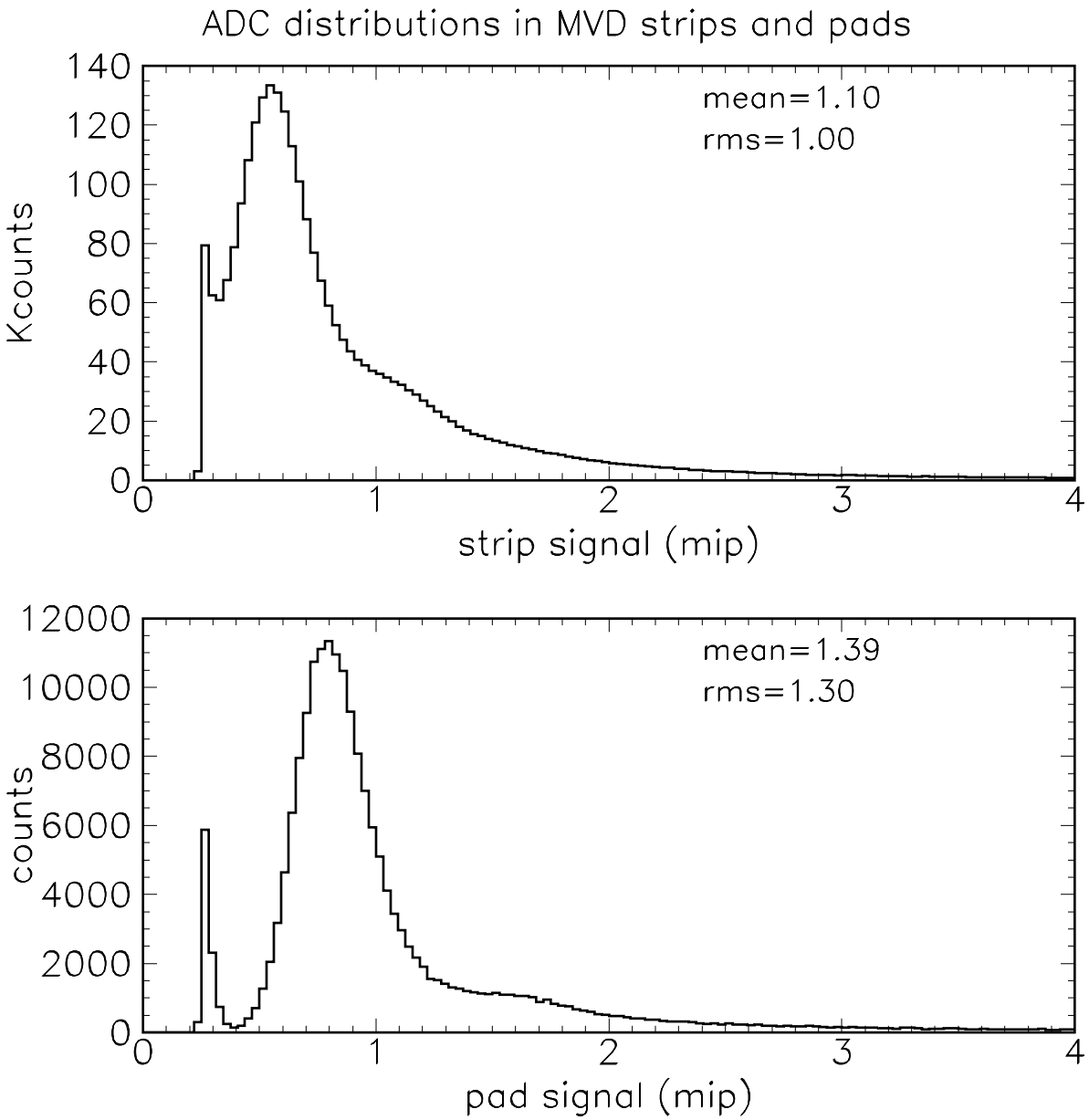

These calculations are from PISA simulations of the MVD with a range of event multiplicities included. The plot for the strips combines the inner and outer barrels. The plot for pads combines the north and south detectors. The peak of the pad detector distribution is higher than the peak for strip detectors because most particles enter the strip detectors at a large steep angle (relative to normal) and each strip actually sees a signal corresponding to the energy loss in about 200 μm of Si. The incident angle on pads is usually almost normal so the signal corresponds to the energy loss in about 300 μm of Si.

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