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## Check Linearity of Multiplexor Channels in HEBT Emittance System

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due to an attered cable connection made when the multiple or was at the linac. This was repaired, and the linearity test performed, although not in the presence of linne radiation. The average non-linearity for individual channels is 6.470, with extremer of 1870 and 1.670 in channels 23 and 12 respectively. The gains of the individual channels vary ley + 9.2% and -8.0% from the mean. These extremes also occur in channel 23 and 12 respectively. The multiplesor is probably satisfactory for obtaining emittance parameters now When it is moved out of the king, we should be able to improve ite performance considerably

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