

FAST ONLINE TRACK FINDING FOR THE MUON TRIGGER IN THE UA1 EXPERIMENT

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A microprocessor system will be used to trigger on high energetic muons in the UA1 experiment. The system consists of 7 microprocessors MC 68000. Six of them work in parallel for a first online track finding and one as supervisor to take the final trigger decision. To reduce the input rate for the microprocessors a very fast prefiltering is done by a specially constructed hardware trigger.

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