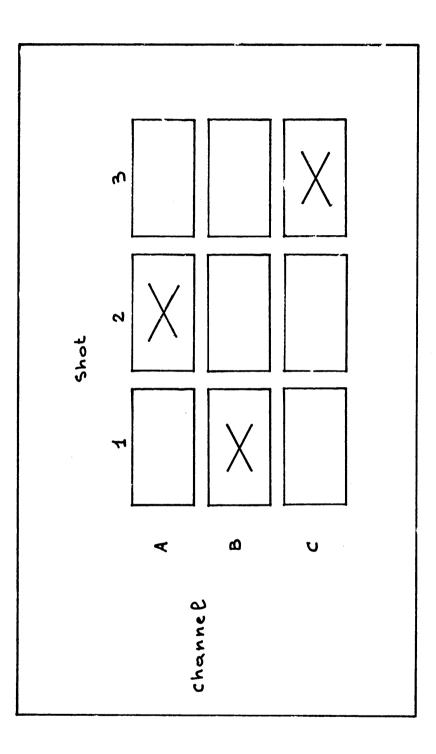
PROPOSAL FOR A SHOT-CHANNEL CORRELATOR

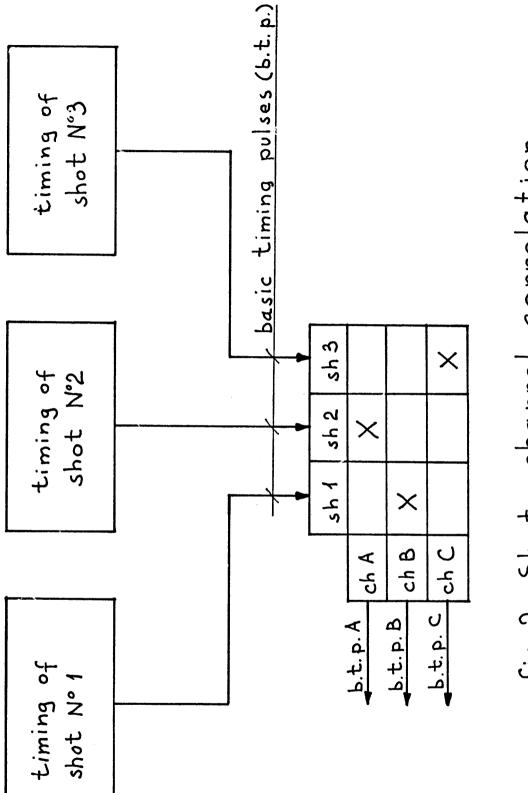
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In view of the utilization of the ejection system also for channels B and C and taking into account that some basic timing pulses must be sent to the beam transport systems, a panel allowing the shotchannel correlation is here proposed (fig. 1).

The advantages of it are as follows :

- 1) The timing pulses of each shot to the beam transport systems of the three channels can be distributed at will without interchanging the cable connections (fig. 2).
- 2) The selection done, duly coded, can be transmitted to the computer so that a simultaneous statistics of the efficiency and intensity of each shot can be performed. This facility allows an output from the computer as in fig. 3, which is a complement of that given in TN - 210.







channel a shot 2 ej bns 6 cycles 142 nh eff +96.2 +3.25 sh int +0.32 +0.44 channel B shot 3 ej bns 8 cycles 172 sh eff + 82.6 + 3.54 sh int +0.44 +0.15 Channel C shot 1 ej bns 2 cycles 82 sh eff +94.3 +3.32 sh int +0.12 +0.06

Sig 3 A possible computer output