

CONCLUSIONS

Flexibility of the insertions is limited.

The requirements of TOTEM optics could be met with some modifications to the nominal LHC insertion hardware.

In IR1 and IR5 a vertical measurement is possible before D2 by powering independently the quadrupoles of the low- β triplet. (Ring 2 is also feasible).

The transition from $\beta^* = 1100$ to 18m is also possible.

From $\beta^* = 1100 - 150$ m fulfills all the conditions for the TOTEM experiment.

Possible minimization of the cost by simple modification of the triplet powering.

Tevatron (1.8 TeV) under study