

Status of the optics studies for TOTEM

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- **90 m early Totem optics good local match for beam1 and 2 solution available.**

known issue : $+\Delta Q_x = 0.083$ needed

- **aim: include 90 m in database V6.500 as more or less standard option**

try to compensate the ΔQ_x with other changes (IR4)

V6.5 - V6.500 technical issues checked / fixed :

naming (strength ktqx not ktqx) and signs of extra triplet power converters

currently followed up together with Thys on V6.500