



Strength requirements for Q6 in IR1/5

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HL-TCC meeting 10 March 2016

Strength requirements for HLLHC V1.2

- Q6 typically needs large currents for large β^* and low current for small β^*
- Taking as boundary conditions:
 - No high β^* optics for forward physics will be needed
 - Highest β^* optics is 30 m (VDM scans)
- There is no need of a Q6 stronger than 160 T/m in IR1/5.

