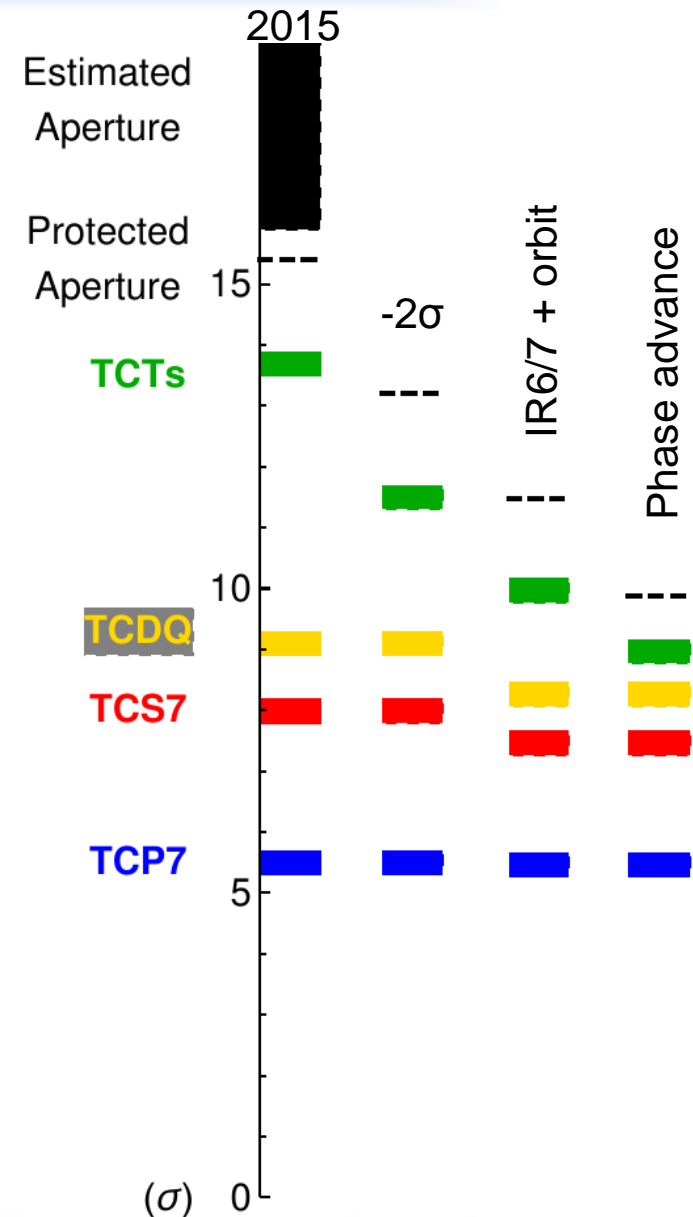


Changing phase advance for reach in β^*

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Introduction

- Various options for the 2016 machine configuration under discussion (Evian, Chamonix)
- Proposed to reduce margins in collimation hierarchy relying, on betatron phase advance from dump kickers to TCT/triplets
 - the risk of damaging TCTs/triplets is a limiting factor for the collimator settings and hence for β^*
 - With “good” phase, could go to 40cm



Gain in margin from phase advance

- TCTs at “good” phase advance can go much closer to the beam
- Even if not used to squeeze β^* , decision to improve phase

