

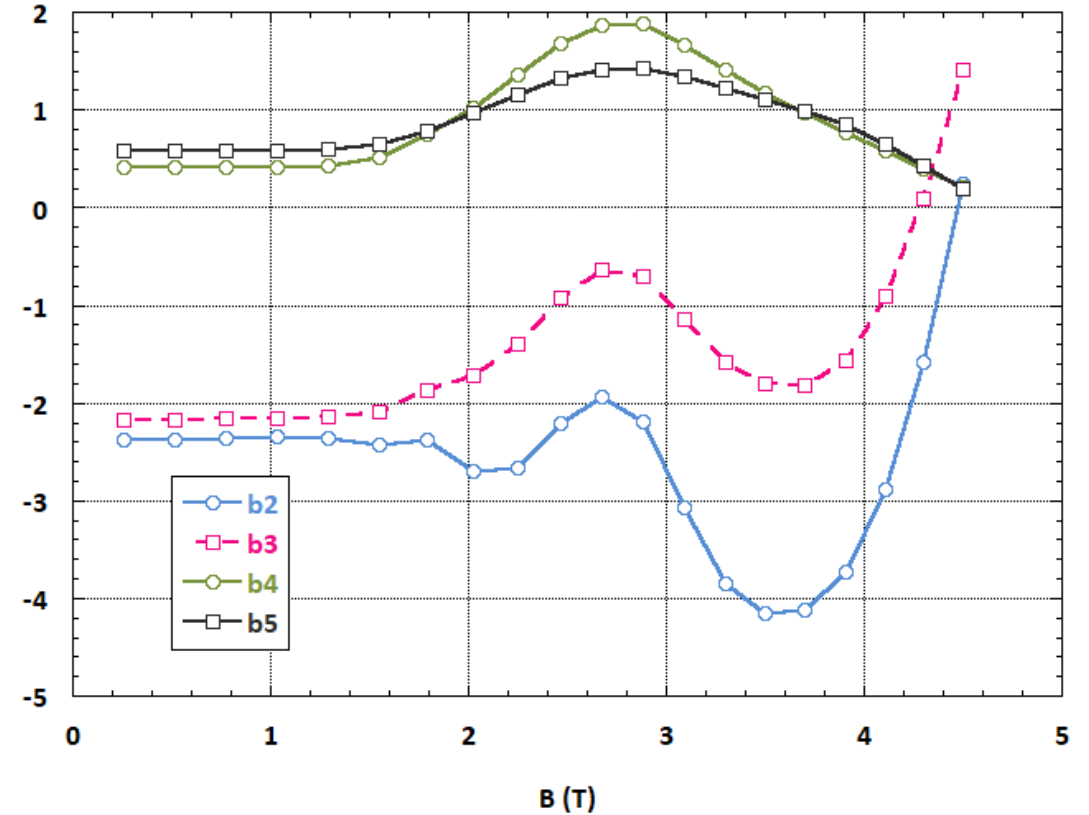
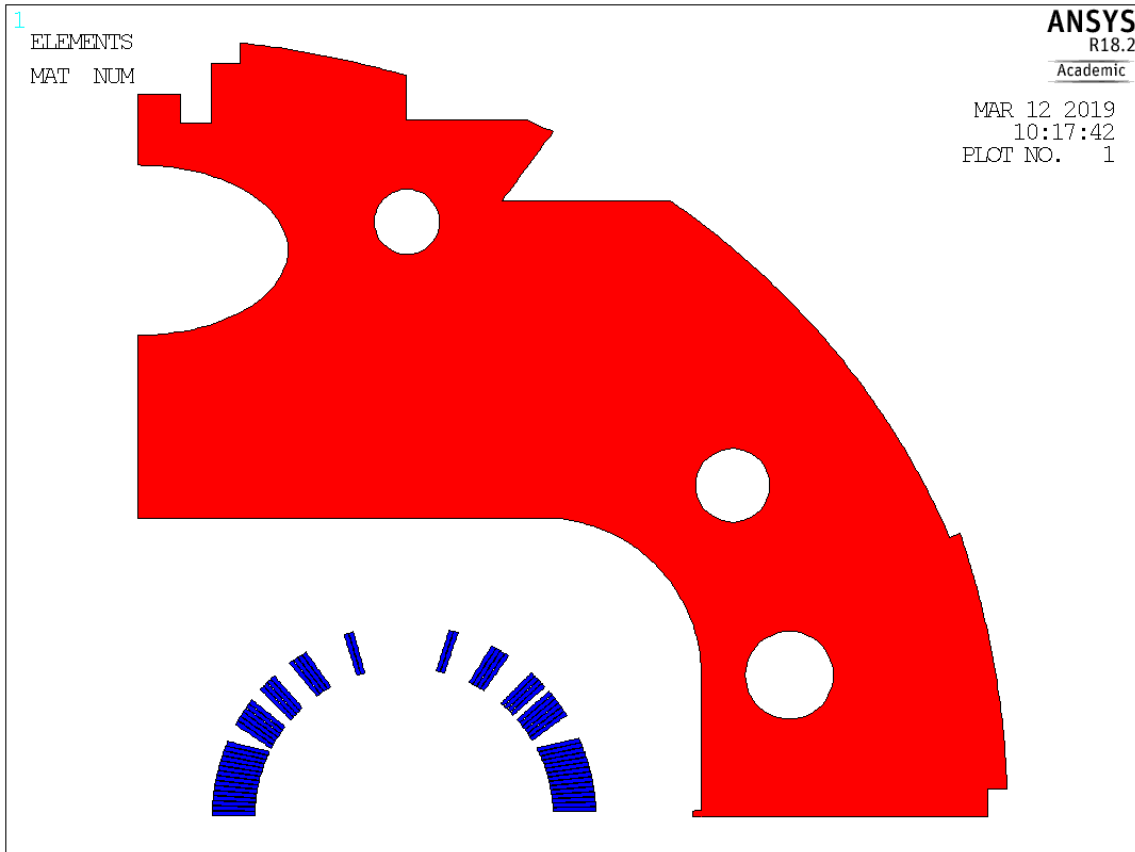


Effects of elliptical iron yoke

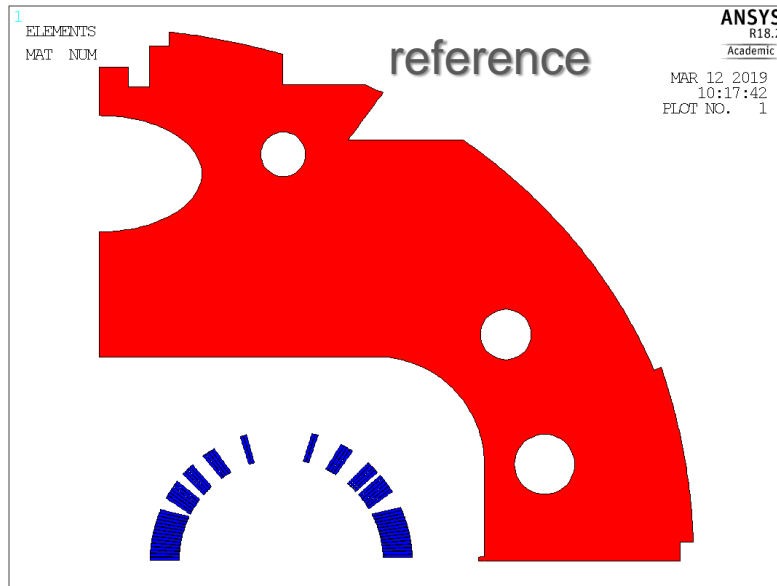
S.Farinon, A.Bersani, B.Caiffi, R.Cereseto, P.Fabbricatore, A.Pampaloni (INFN)
A.Foussat, E.Todesco (CERN)

CERN – March 12th 2019

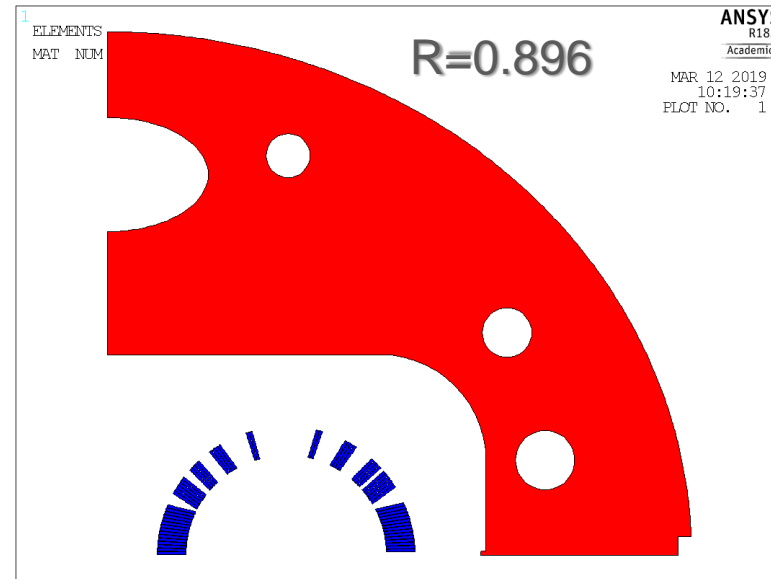
Reference iron



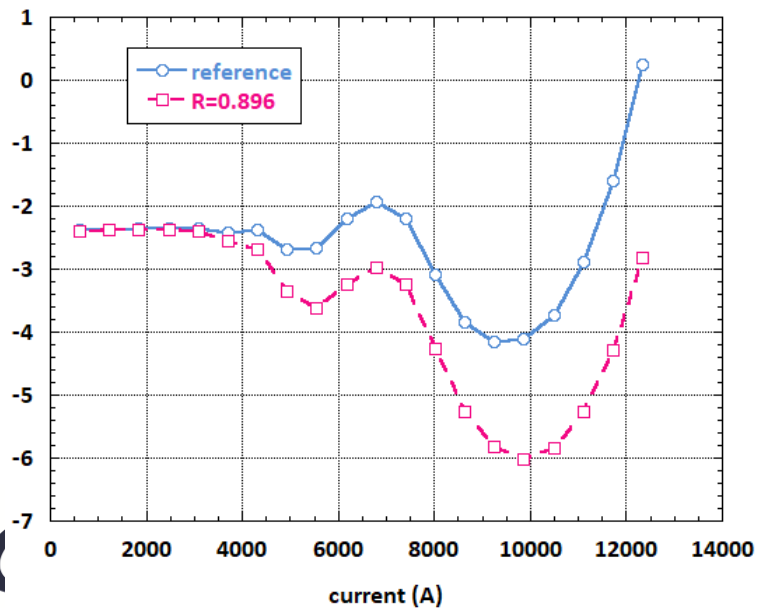
Special iron to study effect of ellipticity



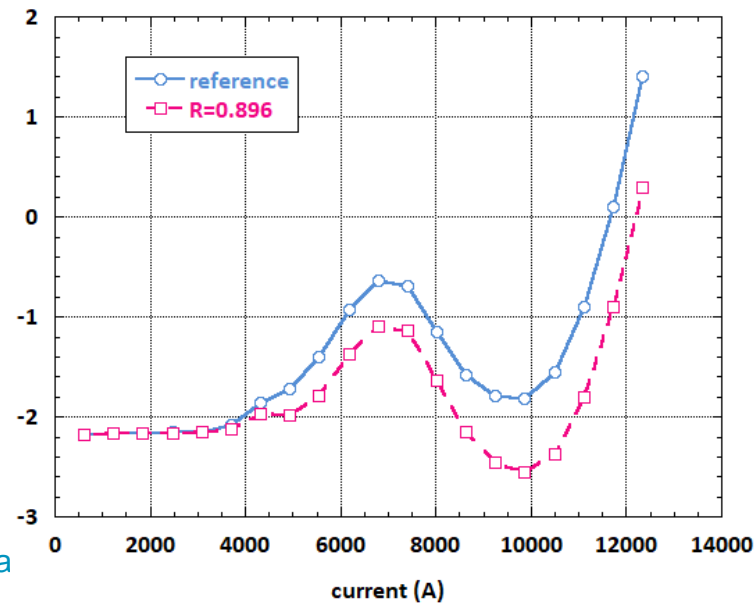
b2



b3



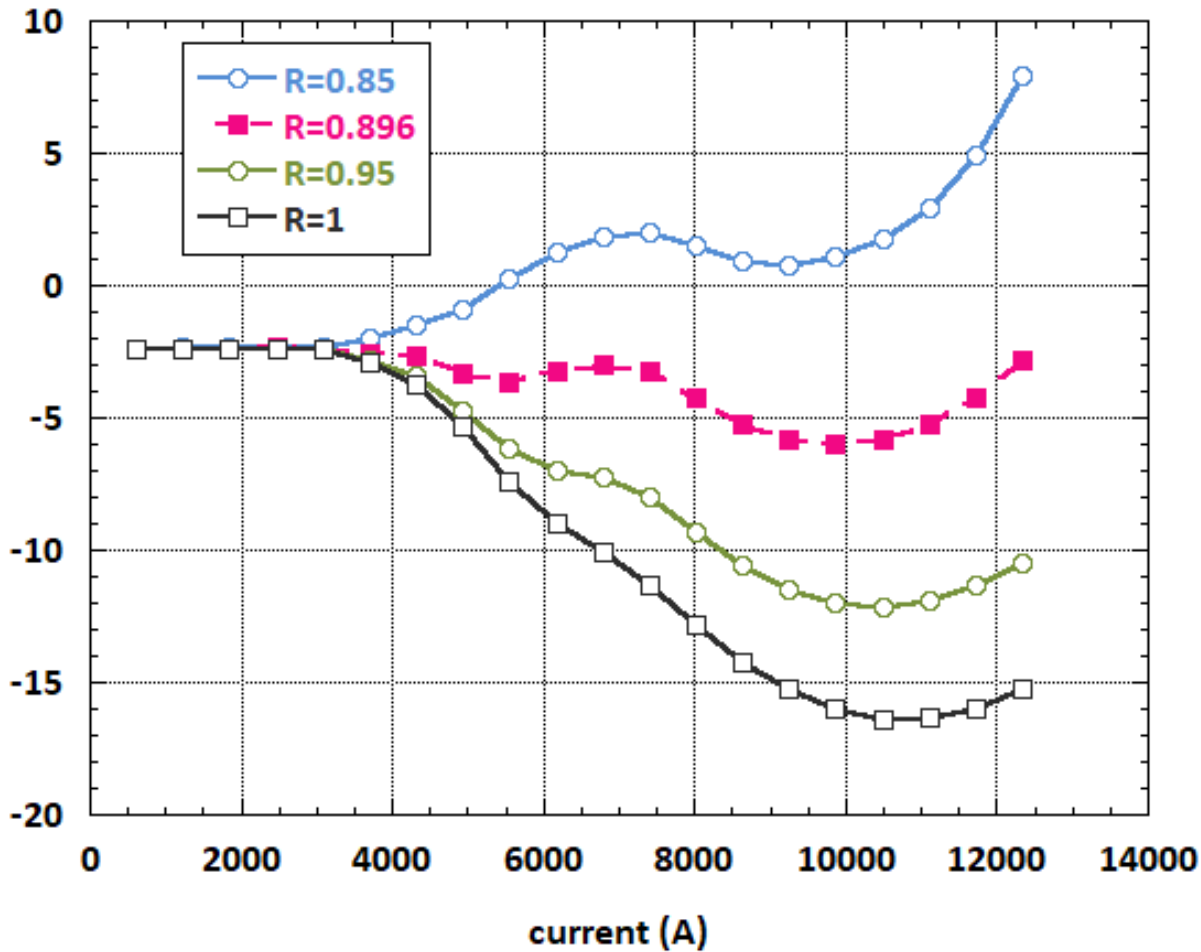
view on D1 a



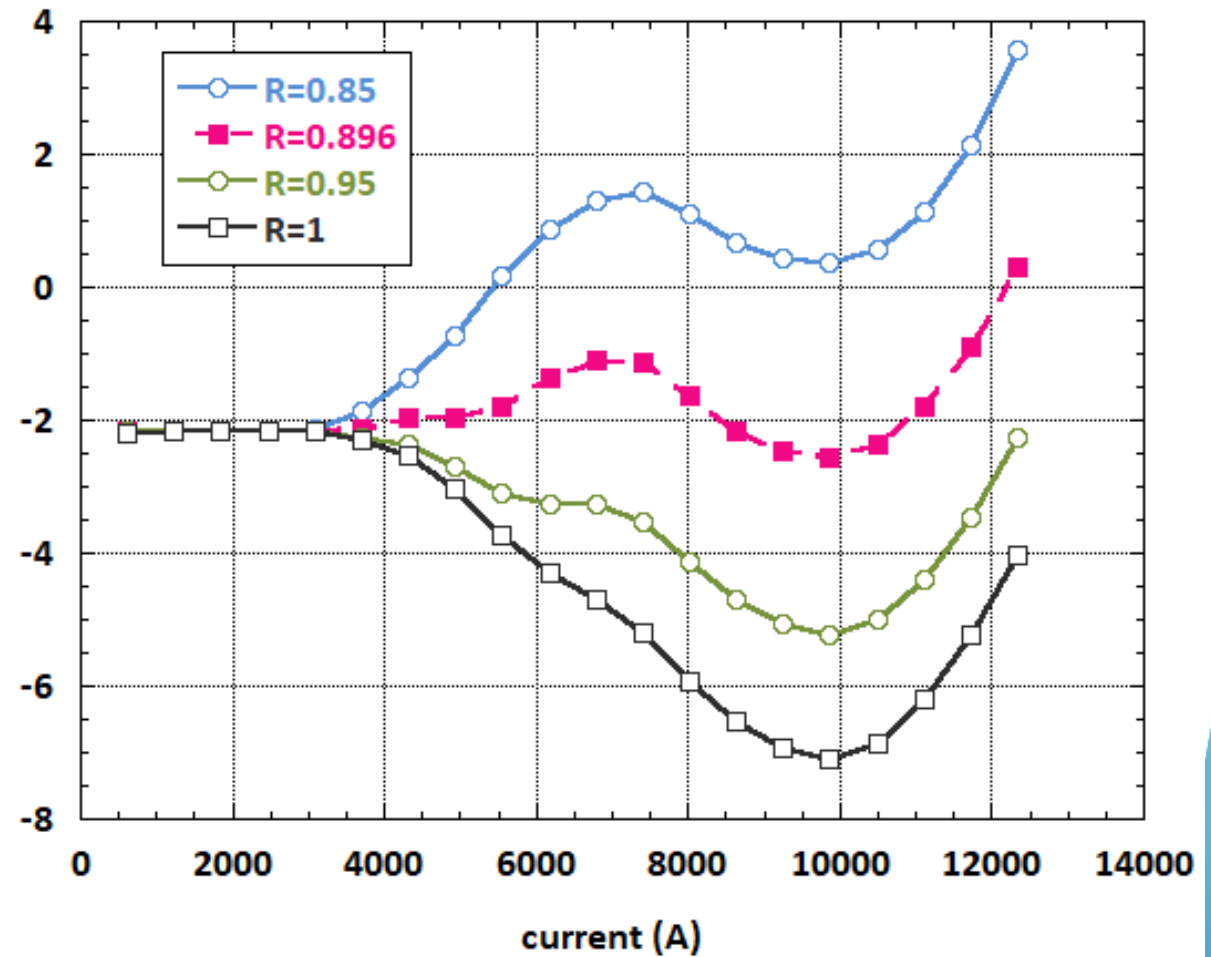
IRN March 11th 2019

b2 and b3 as function of ellipticity

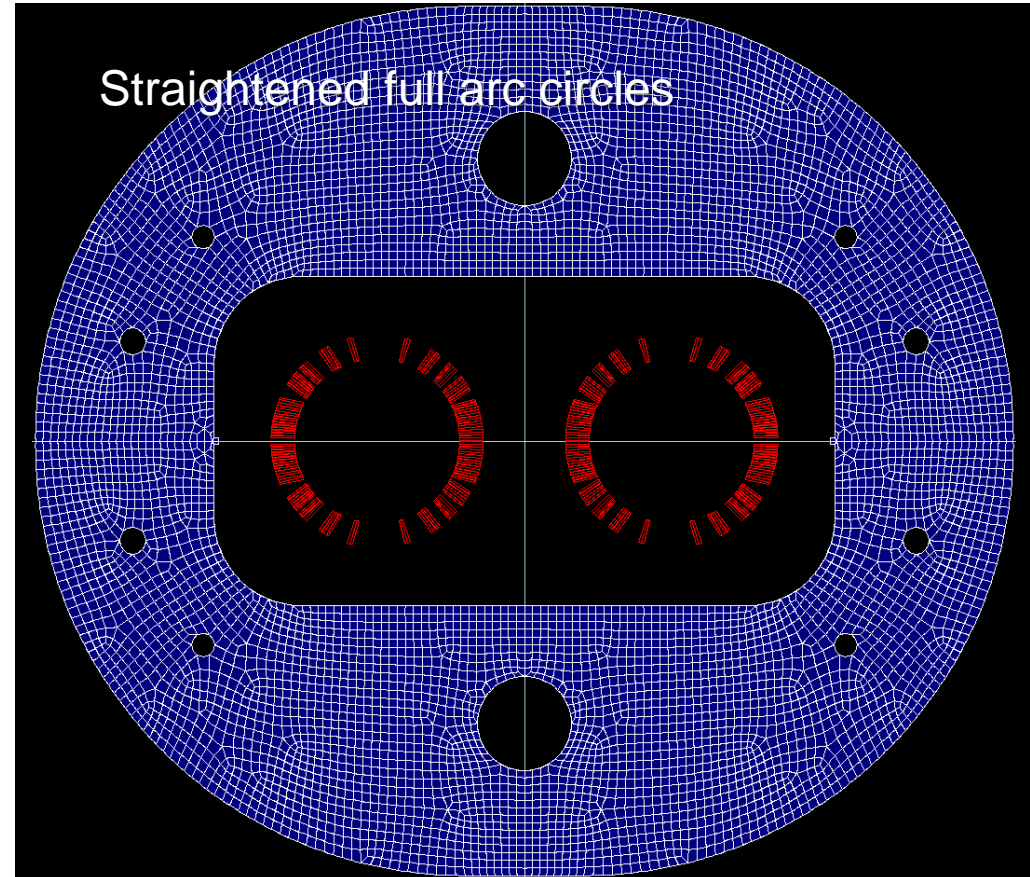
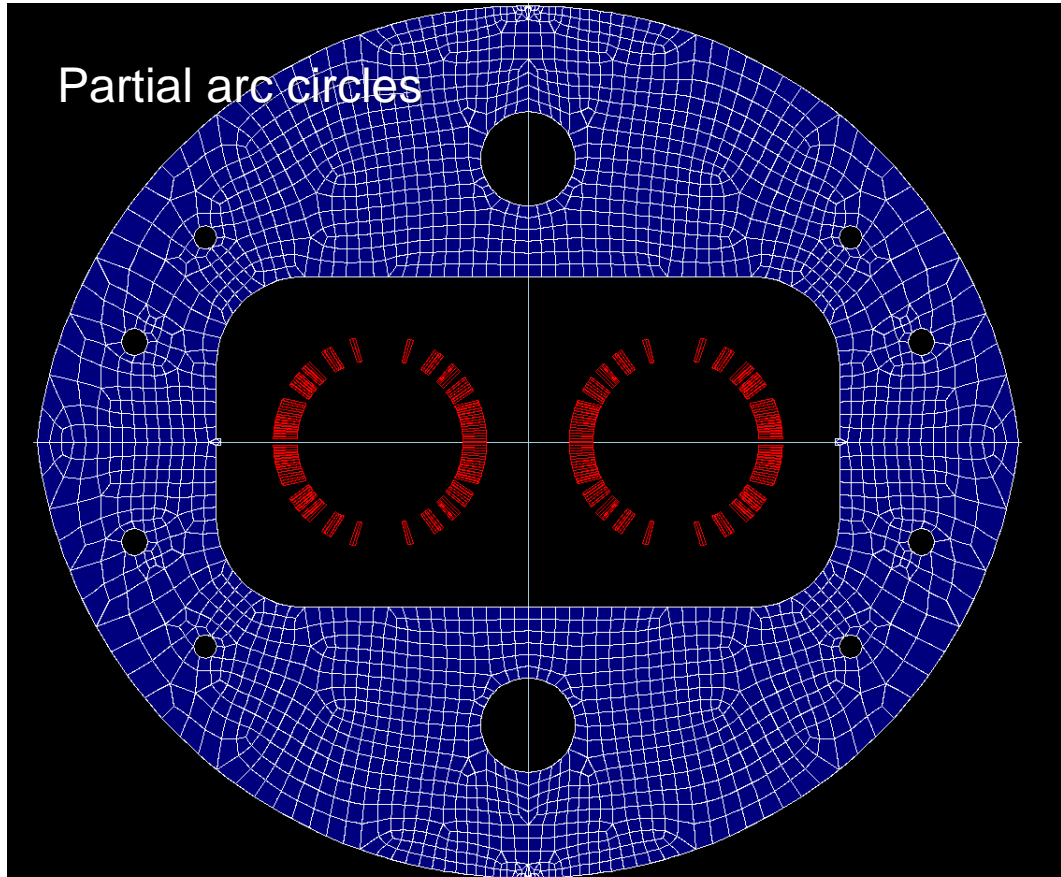
b2



b3



other alternatives taken into consideration in the past





Final remarks

Final remarks

- the MM performed at ASG in the various phases of the assembly are fully consistent between and we do expect that MM performed at CERN will confirm them
- the short model will be repaired by replacing the damaged coil (A01) with a new one and tested probably in late summer
- waiting for this test before finalizing the prototype (longitudinal wedges and end spacers) would imply to add around 3 months delay to the schedule