

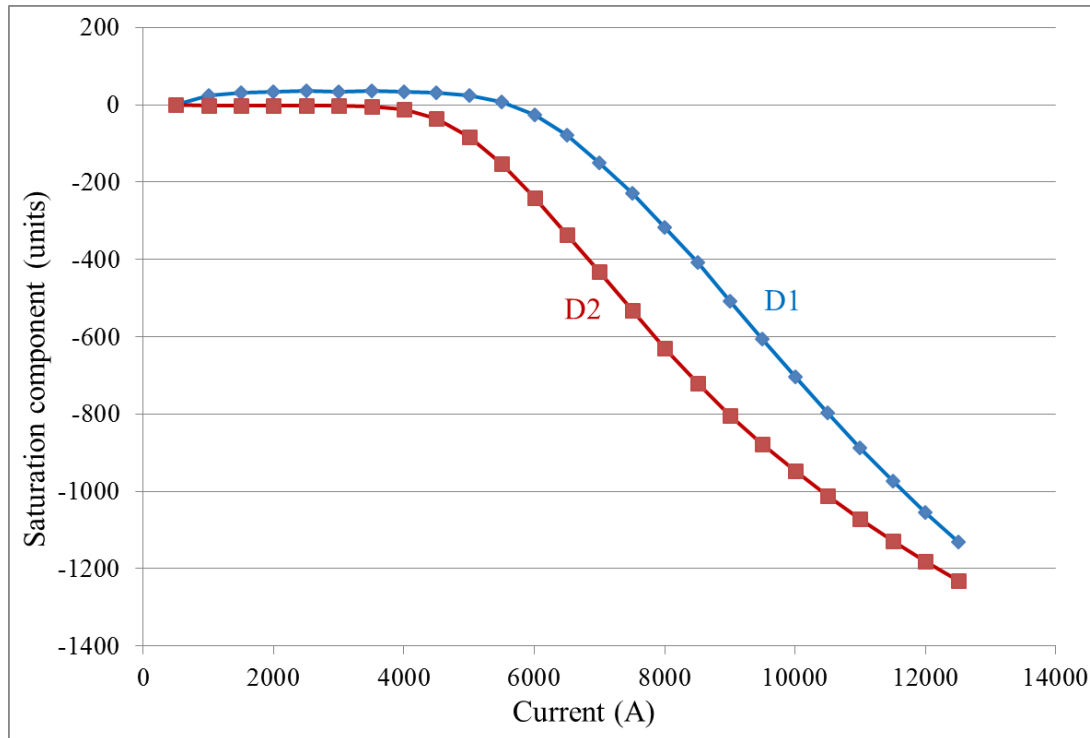


# DIFFERENCE IN TRANSFER FUNCTION BETWEEN D1 AND D2 IN VIEW OF SERIES POWERING

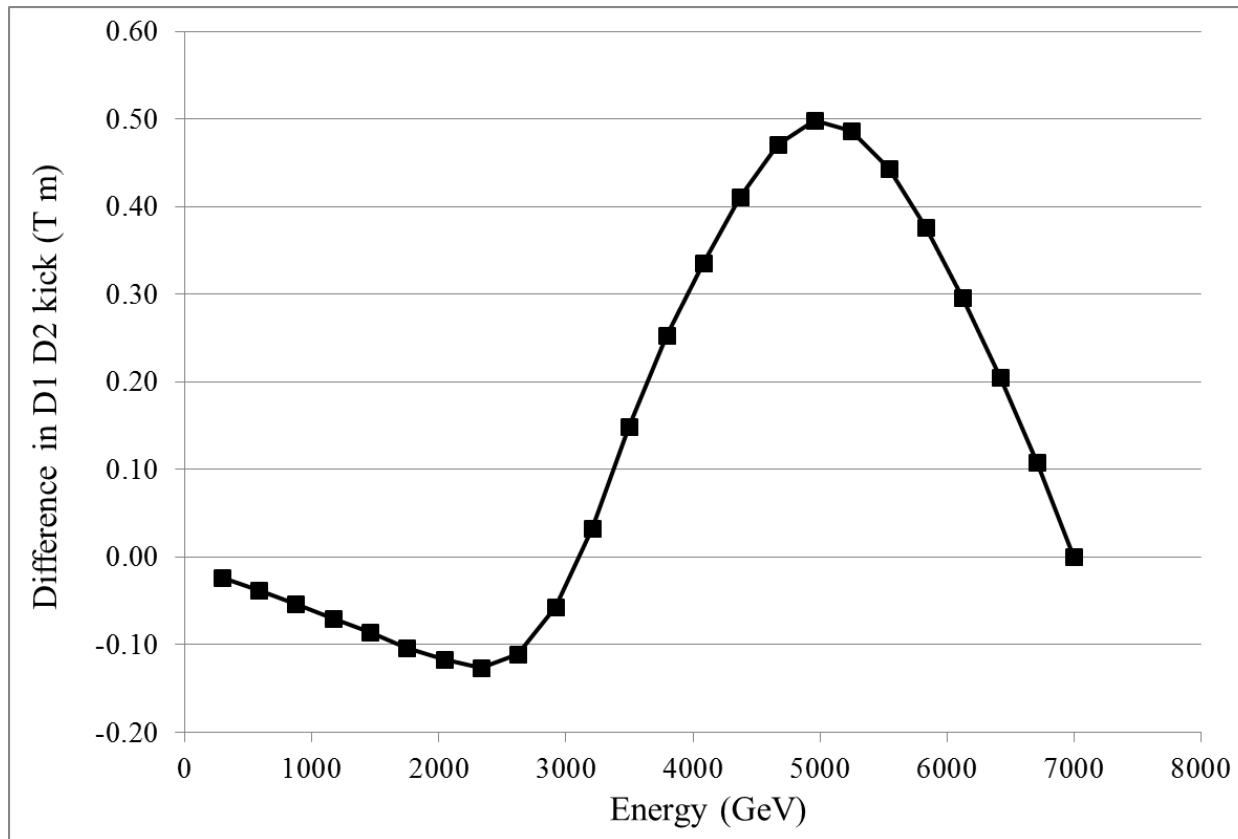
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- There is a maximum 2% difference (200 units) between the D1 and D2 field for the same current



- If we match the length to have 35 T m at 12.000 kA, the difference in the kick along the ramp is at most 0.5 T m



## ● Solutions

- Adding a trim
  - Not the best option for the PC colleagues
  - More cables to bring down
- Making the D2 corrector 0.5 T m stronger (from 5.0 to 5.5 T m), ie 18 cm longer
  - It's tight but one can find some space
  - This would also give 5.5 T m in the Q4 corrector
- Making the D1 corrector 0.5 T m stronger (from 4.5 to 5.0 T m), ie 24 cm longer
  - Space there is precious