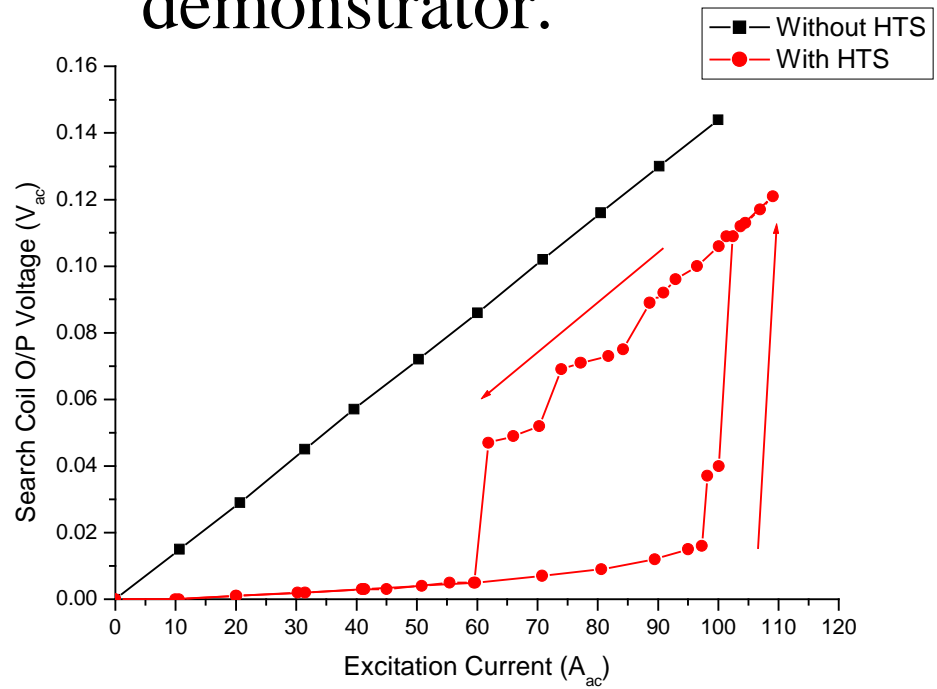
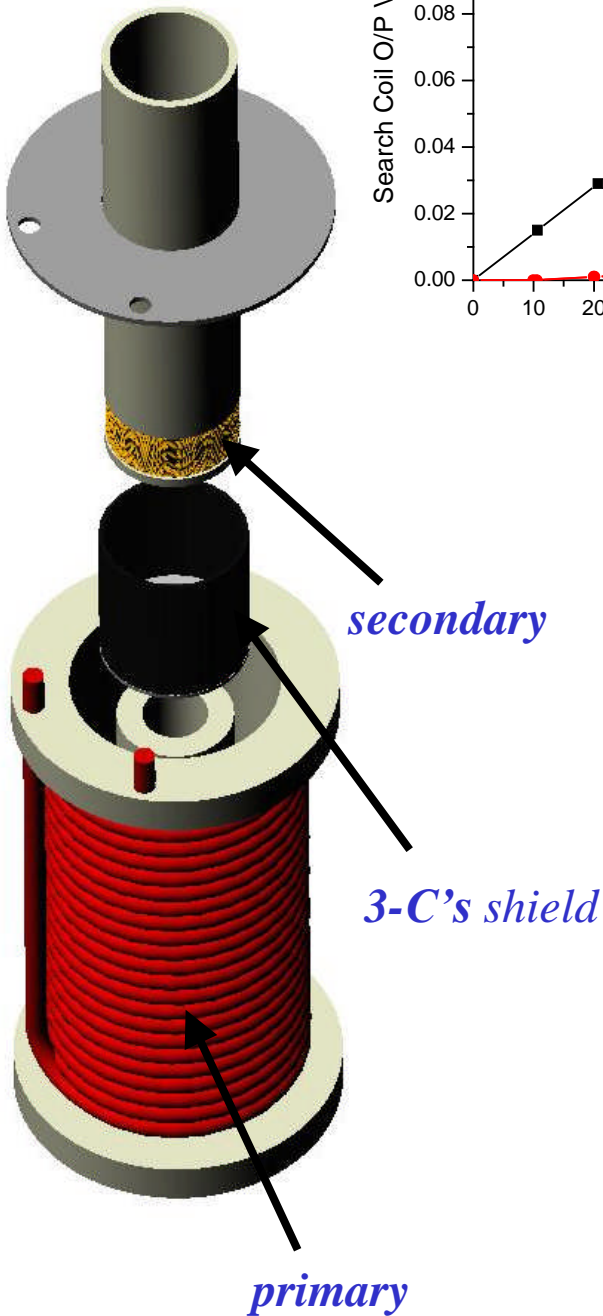


## 3-C's "inductive shield" demonstrator.



To simulate future tests on 3-C's cylinders with a continuous film of YBCO, initial tests have been made with cylinders fabricated using a patchwork of YBCO films mounted on a cylinder.

The demonstrator can be regarded as a transformer with a coated conductor cylinder interposed between primary and secondary windings.

When the cylinder is cold, it is superconducting and acts as an inductive shield which screens the secondary from the primary. .

*Potential applications – FCLs, self-limiting transformers and also shields for low-noise sensors.*