

<u>Mariusz Wozniak¹</u>, Emmanuele Ravaioli¹, Franco Mangiarotti¹, ¹CERN, Meyrin, Switzerland

Matthias Mentink¹, Glyn Kirby¹, Arjan Verweij¹, Qingjin Xu², Wei Wu³ ²Institute of High Energy Physics, Beijing, China. ³Institute of Modern Physics, Lanzhou, China.

Introduction

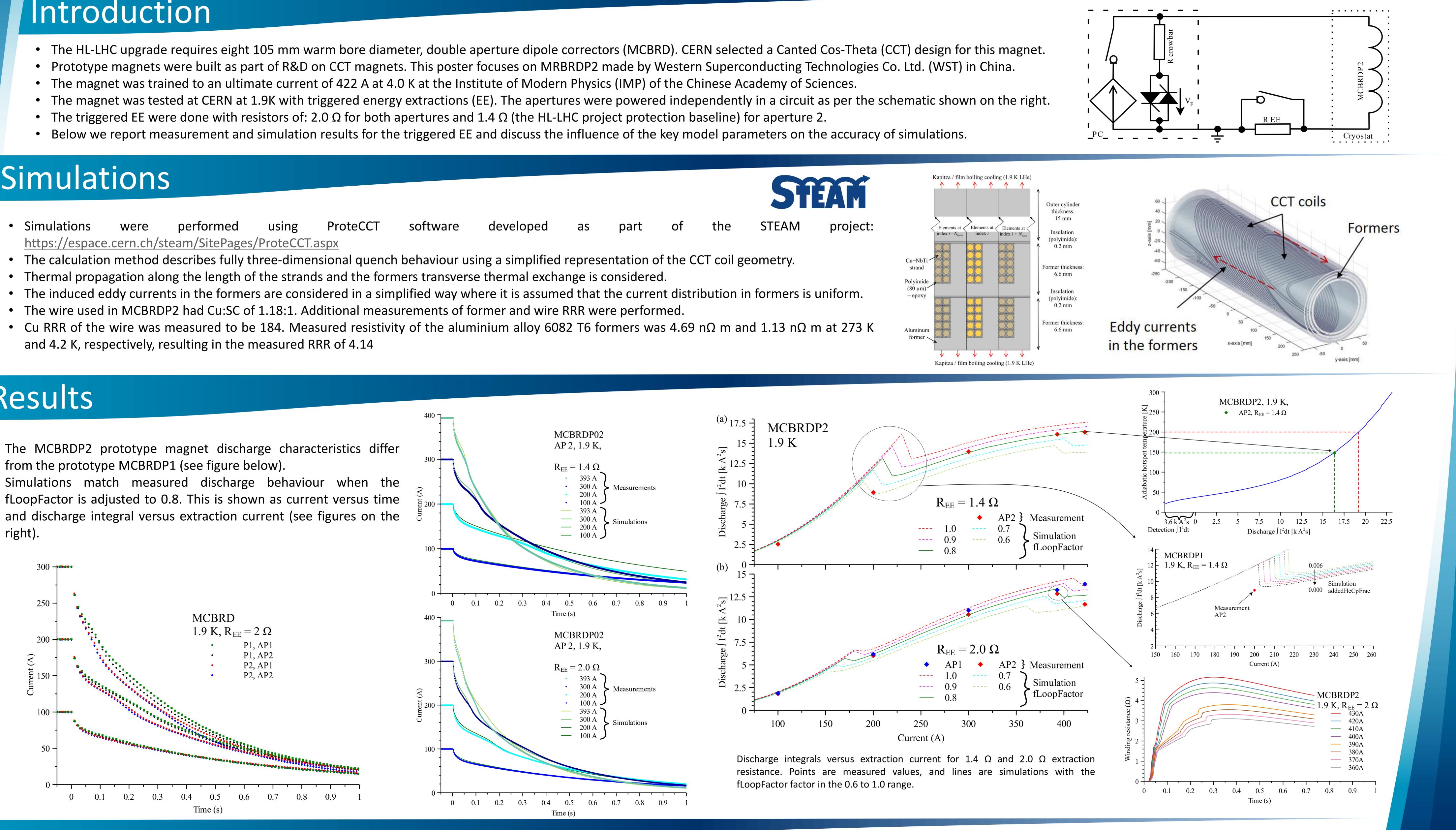
Simulations

- Simulations performed were using https://espace.cern.ch/steam/SitePages/ProteCCT.aspx

- and 4.2 K, respectively, resulting in the measured RRR of 4.14

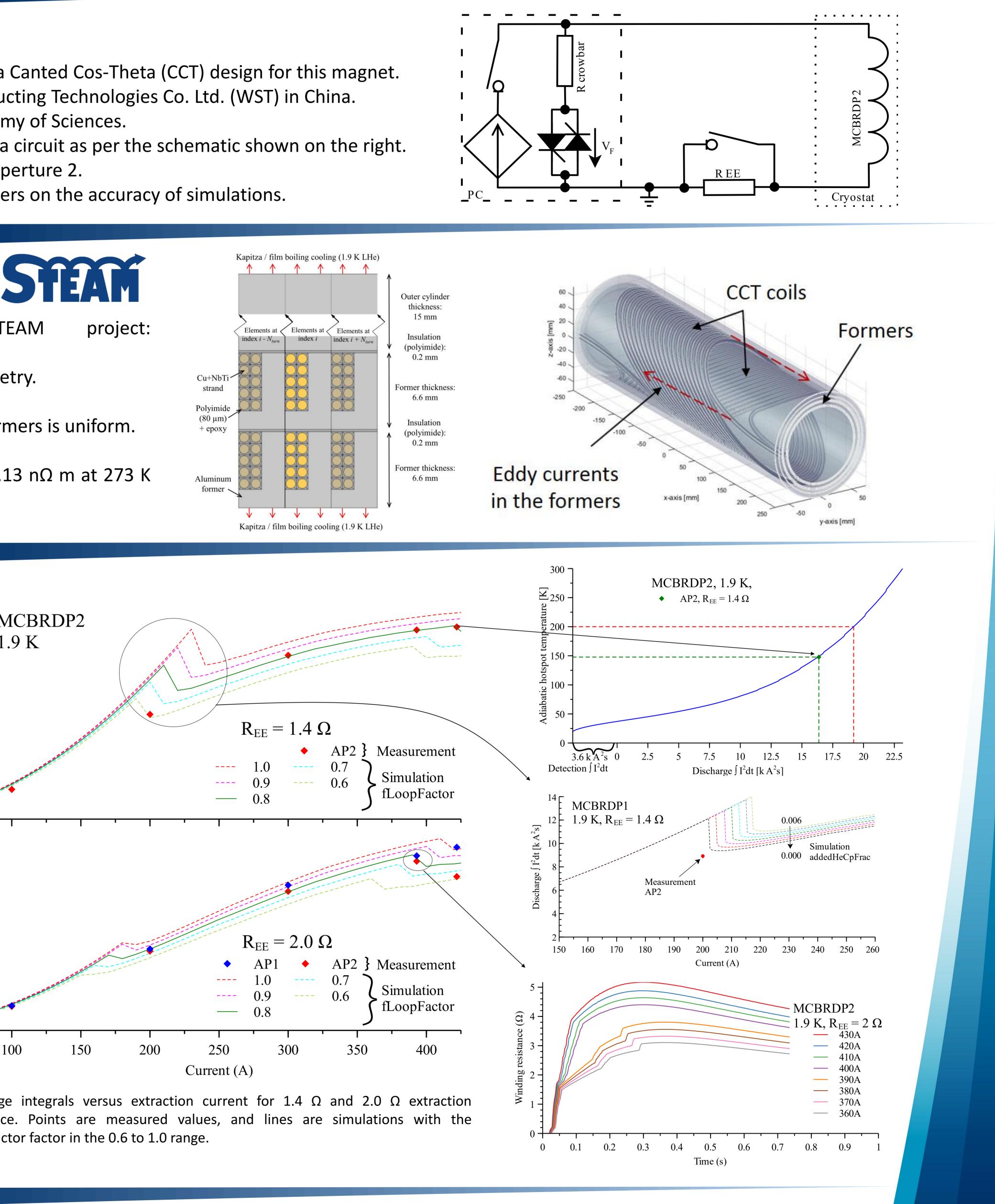
Results

- The MCBRDP2 prototype magnet discharge characteristics differ from the prototype MCBRDP1 (see figure below).
- Simulations match measured discharge behaviour when the right).



Quench Behaviour of Prototype HL-LHC Dipole Canted Cos-Theta Orbit Corrector Nb-Ti Magnet





The 27th International Conference on Magnet Technology (MT27), Fukuoka, Japan, 15th to 19th November 2021