

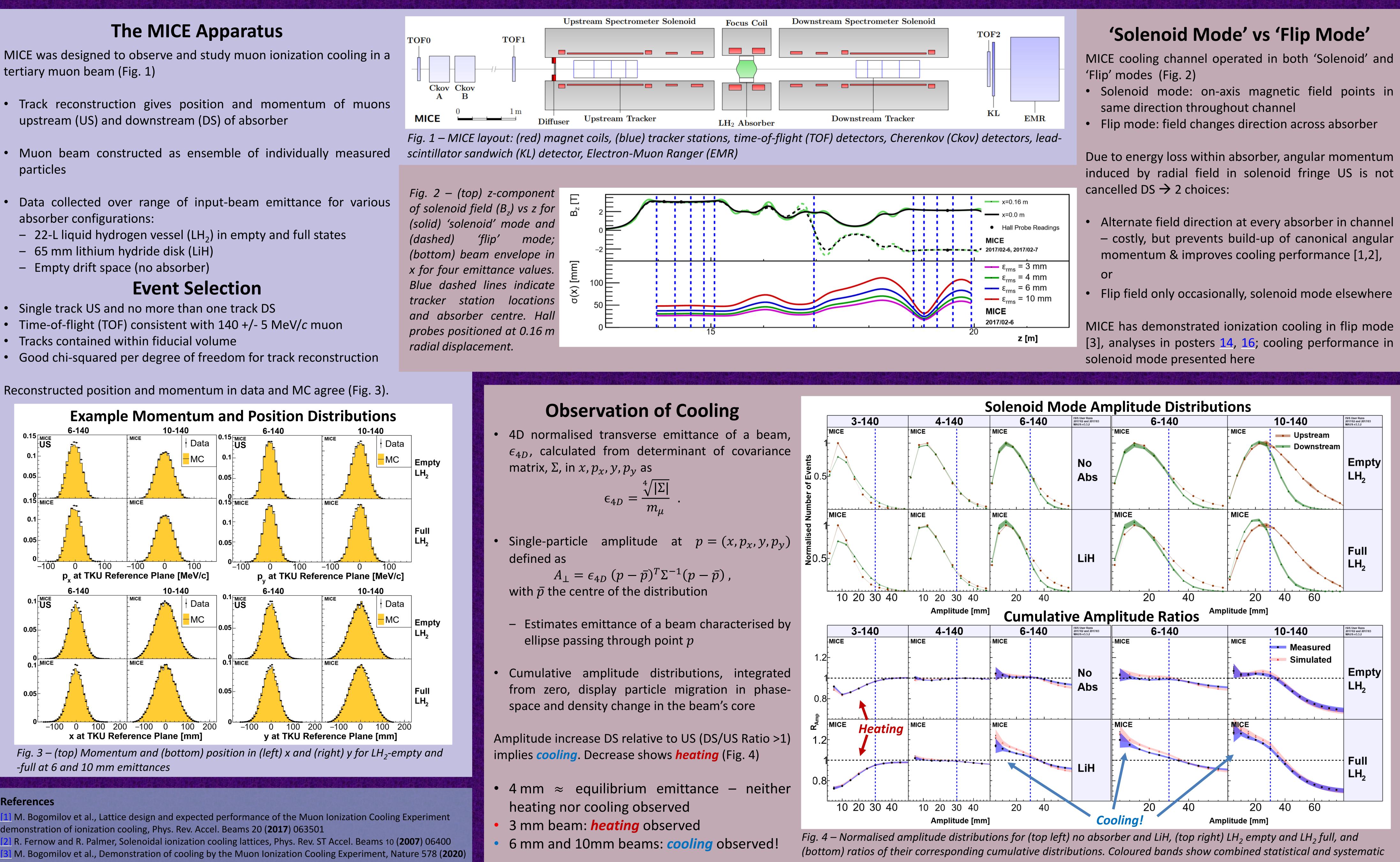
# **Transverse Emittance Change in MICE 'Solenoid Mode'** with Muon Ionization Cooling

tertiary muon beam (Fig. 1)

- upstream (US) and downstream (DS) of absorber
- particles
- absorber configurations:

- Empty drift space (no absorber)

- Single track US and no more than one track DS
- Time-of-flight (TOF) consistent with 140 +/- 5 MeV/c muon
- Tracks contained within fiducial volume



### References

demonstration of ionization cooling, Phys. Rev. Accel. Beams 20 (2017) 063501

Tom Lord, University of Warwick On behalf of the MICE Collaboration

errors



## Science & Technology Facilities Council WARWICK