

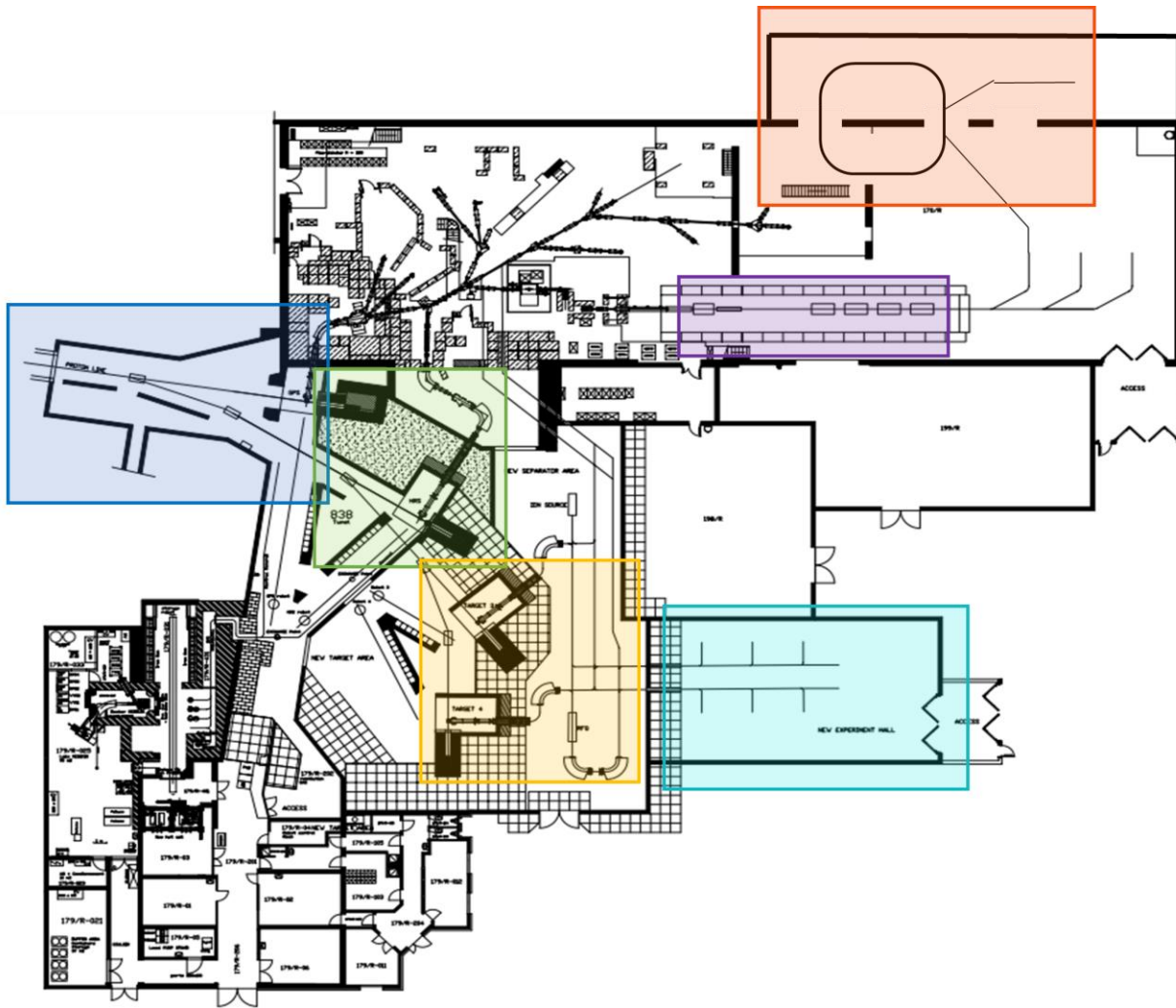
The EPIC Project

Richard Catherall

EN-STI-RBS

Gaining momentum

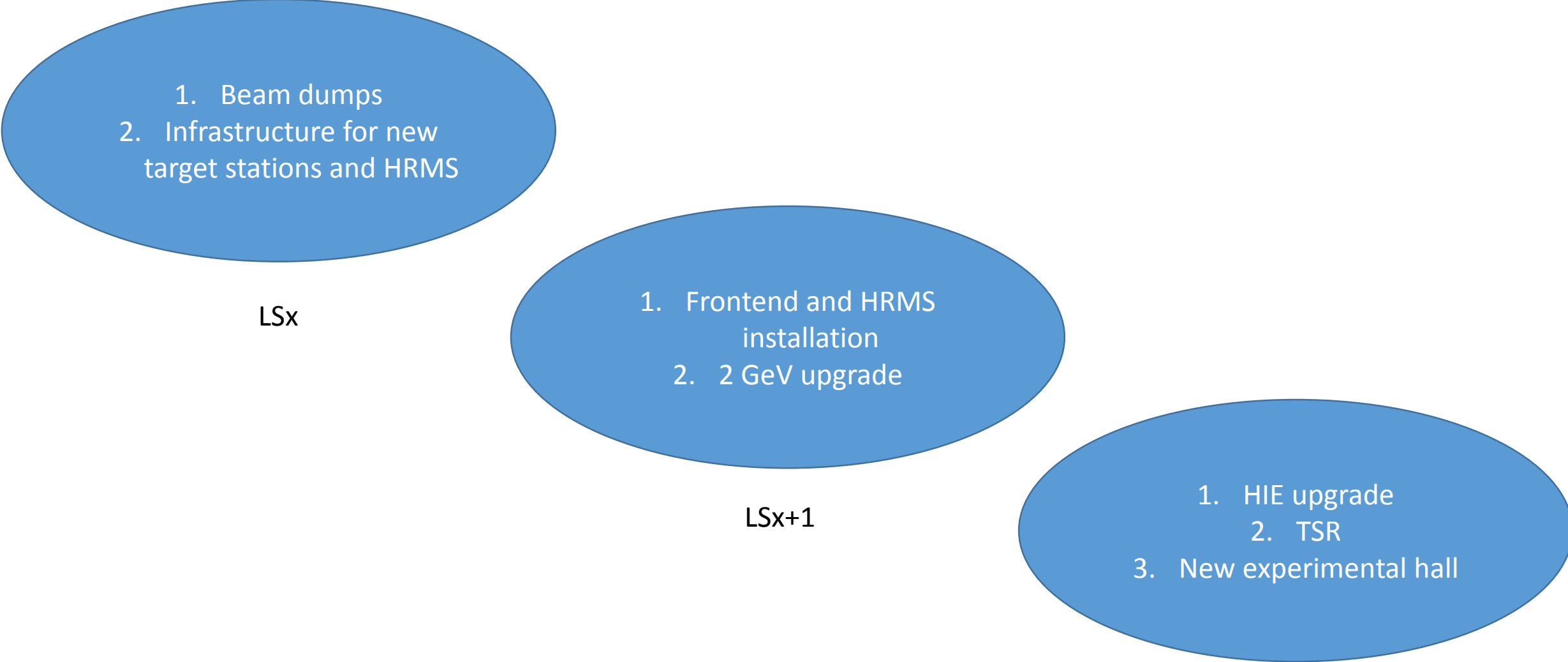
- Part of the ESPP paper presented at Granada early May
 - Mentioned at least 5 times throughout the week
- Presented (and published) at IPAC 19 last week.
 - Discussion with STFC representative during poster session
- To be presented (ISOLDE V) by Tim in INPC 29th July 2019



The EPIC project comprises of 6 key upgrades:

- The addition of two new target stations and high resolution mass separator
- Improvement of the existing beam dumps
- Provide 2 GeV protons to ISOLDE
- The addition of a second experimental hall
- Installation of a storage ring beyond the HIE-ISOLDE post accelerator
- An upgrade of the non-superconducting part of HIE-ISOLDE

Priorities – possible scenario

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1. Beam dumps
 2. Infrastructure for new target stations and HRMS

LSx

1. Frontend and HRMS installation
2. 2 GeV upgrade

LSx+1

1. HIE upgrade
2. TSR
3. New experimental hall

Funding

- UK pre-project budget of 120kGBP (150kCHF) via Manchester University
 - 1 Fellow for 1.5 years
 - Could be complemented by CONS budget
 - =1 Fellow for 3 years
- Requirements
 - 1 full TDR for leverage for further funding
 - Beam dump integration
 - New FE and HRMS integration
 - New 2 GeV beam line should be taken on by CERN support groups