

Infrastructure needs for Particle Astrophysics

- Is the existing funding for infrastructure adequate? If not, what's missing?
 - Money for planning for future infrastructures
 - Engineering studies need **people**
- Are there areas that require additional funding to enable exploitation of current data? – Computing
 - LZ will use ~10 Pb, 2000 cores, which in the UK means distributed computing – already some tension, need to plan for future
 - LIGO needs several 1000 cores, would like to move to 'IRIS model'
 - Common theme: **people** are key. Many have had the experience of having computing removed from grants (esp. at early stages of build) but hardware easier. Can we capitalize software (i.e. the people)?
- What potential investments would enable UK leadership on future projects?
 - World-class but not world-leading. Make big difference if at least 2 facilities could be world-leading.
 - Ge Assay, Surface alpha, ICP-MS, Cryogenic radon assay, Electroforming
 - Need to become world class in innovation
 - We need **people**! (Capitalize technicians?)

- Computing