

# What is Particle Astrophysics?

## AstroParticle Physics European Consortium (APPEC):

- HE  $\gamma$  rays, HE  $\nu$ , HE cosmic rays, gravitational waves, dark matter,  $\nu$  mass and nature,  $\nu$  mixing and mass hierarchy, CMB, dark energy, (AP theory, detector R&D, computing/data, infrastructure e.g. deep underground labs).

## STFC PA programme evaluation report:

- STFC funds gravitational waves, VHE  $\gamma$  rays, dark matter (a bit of theory and limited  $\nu$  astrophysics) funded through PP and Astronomy grants panels.

## PAAP 2016 roadmap:

- multimessenger astronomy, fundamental physics with cosmic messengers.