

# A proposal

- Is it acceptable for MATHUSLA to lose the quasi back-to-back LLP decays?
- If the answer is NO!! the following proposal can: recover these decays and veto up-going charged particles entering the decay volume
- Complete the detector with 2 detector layers on the floor 0.5-1 m spaced
  - Standard ATLAS-type read out with X and Y strips
  - Space resolution of 1mmx1mm achievable with the charge centroid method
  - 0.3 ns time resolution