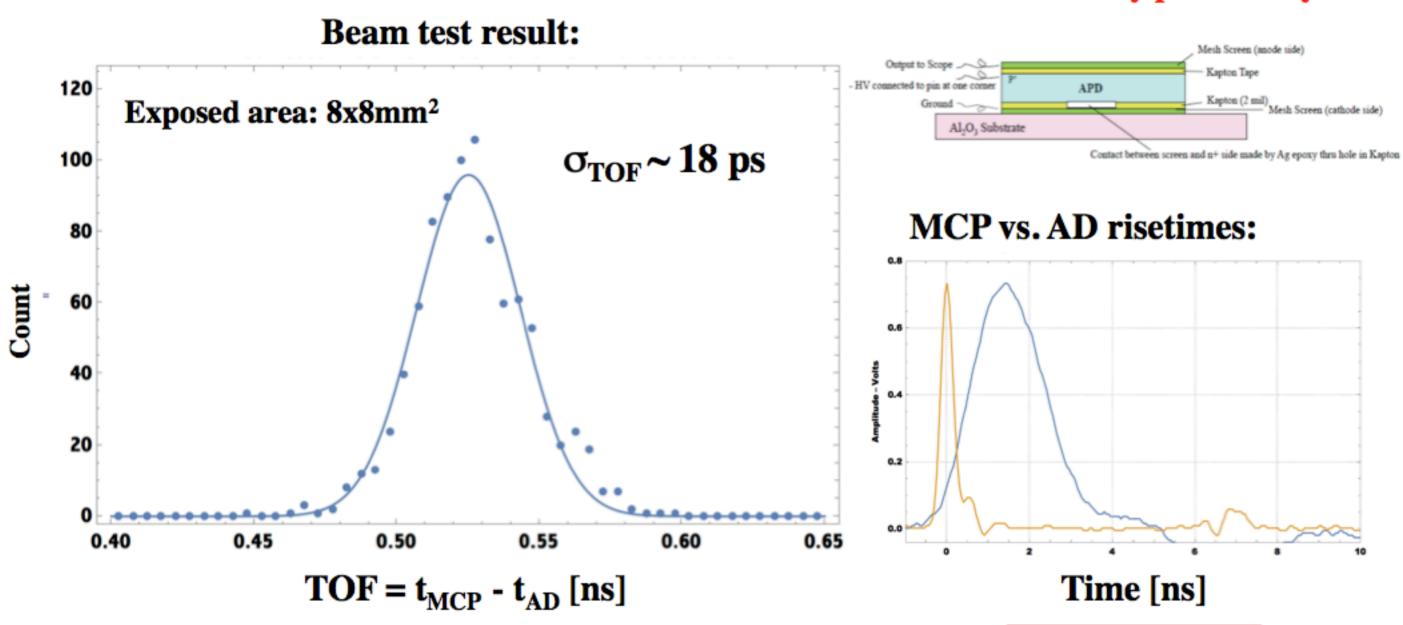
Si detectors: Medium Gain Avalanche Diodes (AD)

Sebastian White et al., private communication, July 2016

Very preliminary !!



• Very preliminary timing resolution between <u>AD and MCP</u>:

σ_{TOF} ~ 18 ps

- To get a timing resolution as MCP-PMT, the Si S/N ratio has to be ~5x better.
- This is impressive result and this approach has some chance to succeed.