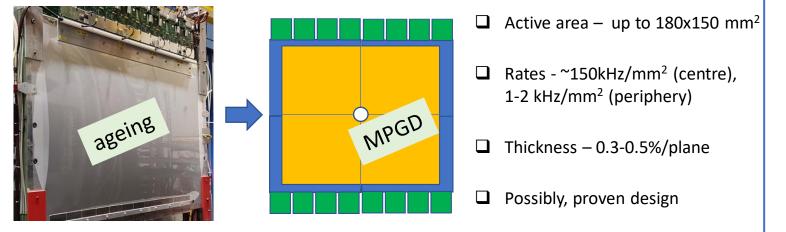
## Development of a Micromegas prototype for the AMBER experiment at CERN M. Alexeev on behalf of working group



We are designing a Micromegas (MM) prototype that would fulfil the future requirements of the AMBER (NA66) experiment and would eventually substitute some of the ageing detectors



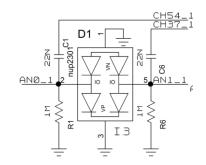
A series of prototypes with different manufacturing and geometrical properties are studied both in laboratory and at Beam



For the readout we are qualifying the option of using a TIGER ASIC based FE together with a study for a dedicated ASIC requirements

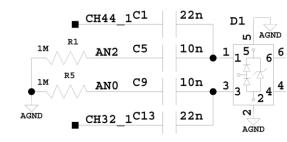
## Initial FEs identical to the BESIII FEB





## New FE cards with a new protection circuit & form factor





A dedicated ASIC is expected to be submitted within 2022