

# ASIC SOLUTION: INTEGRATOR STAGE

Eduardo Picatoste  
Calorimeter Electronics Upgrade Meeting

- Characteristics of the fully differential operational amplifier to be used on the integrator stage:
  - Gain bandwidth  $GBW > 500\text{MHz}$
  - Phase margin  $> 65^\circ$
  - Common mode control
  - Slew rate better than  $2\text{ V}/\mu\text{s}$
  - $V_{CM} = 1.5\text{ V}$

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