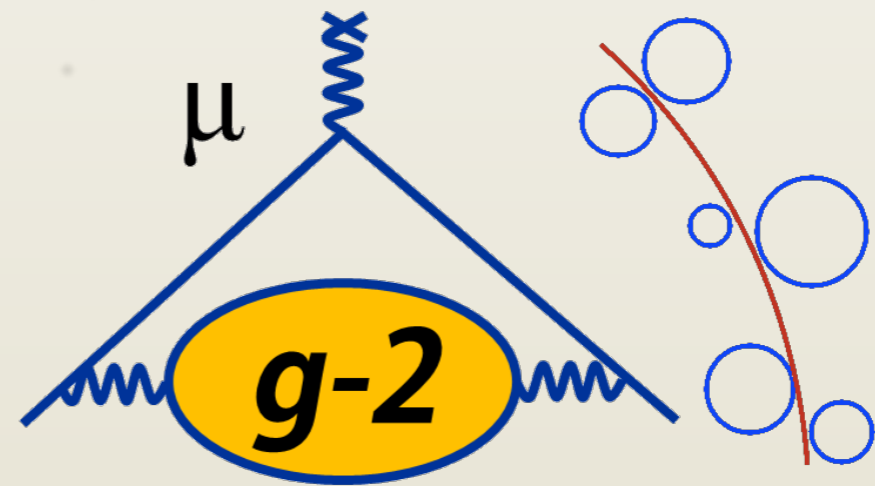


# Self introduction

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Tracker Group

- Past projects:
  - COMET experiment at J-PARC (E21):
    - search for coherent muon to electron conversion (charged lepton flavor violation):  
$$\mu^- + \text{Al} \rightarrow e^- + \text{Al}$$
    - responsibilities:
      - muon stopping target monitor
      - simulation of cosmic ray
      - magnetic field map calculation
  - AlCap experiment at PSI:
    - measure emission rate of charged particles (mainly proton) from nuclear muon capture
    - responsibilities:
      - MC simulation
      - Si detectors
      - data acquisition
      - analysis

- Current project: Muon g-2 experiment at Fermilab (<http://muon-g-2.fnal.gov/>)
  - measure muon anomalous magnetic momentum at 0.14 ppm
  - will start taking data from Nov 2017
  - responsibilities:
    - tracking back decay positions of muons
    - pulser control for the electrostatic focusing electrodes
    - offline analysis production

