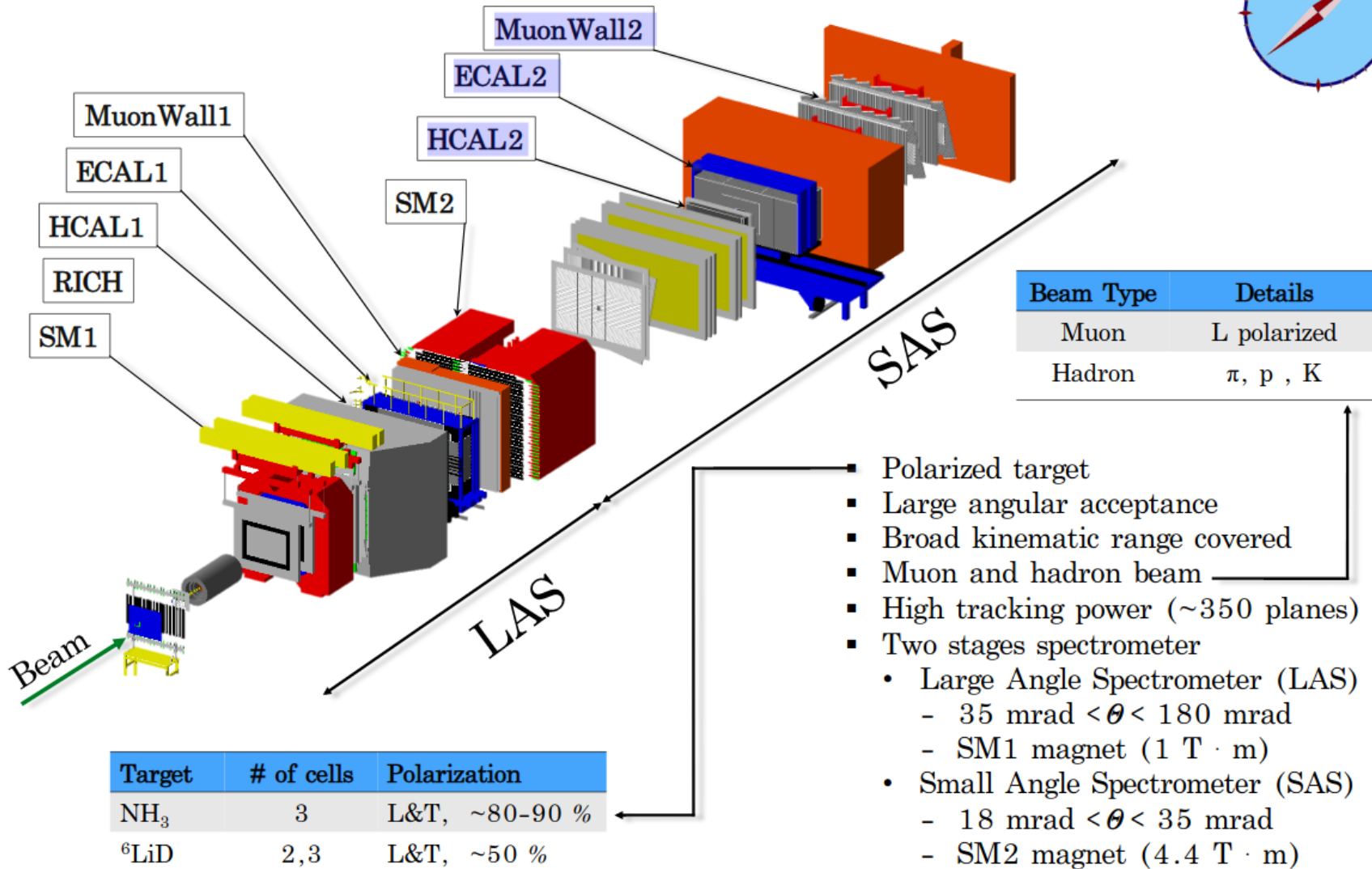


# COMPASS experimental setup

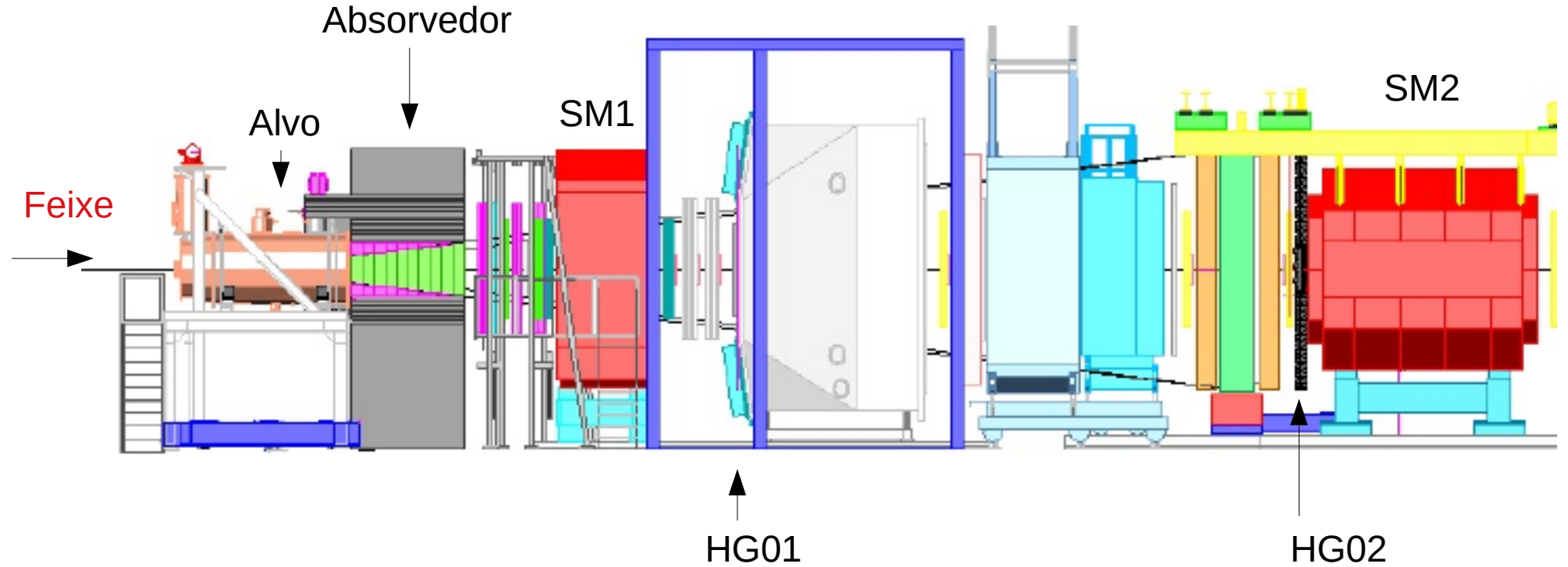


Beam Type	Details
Muon	L polarized
Hadron	$\pi$ , p, K

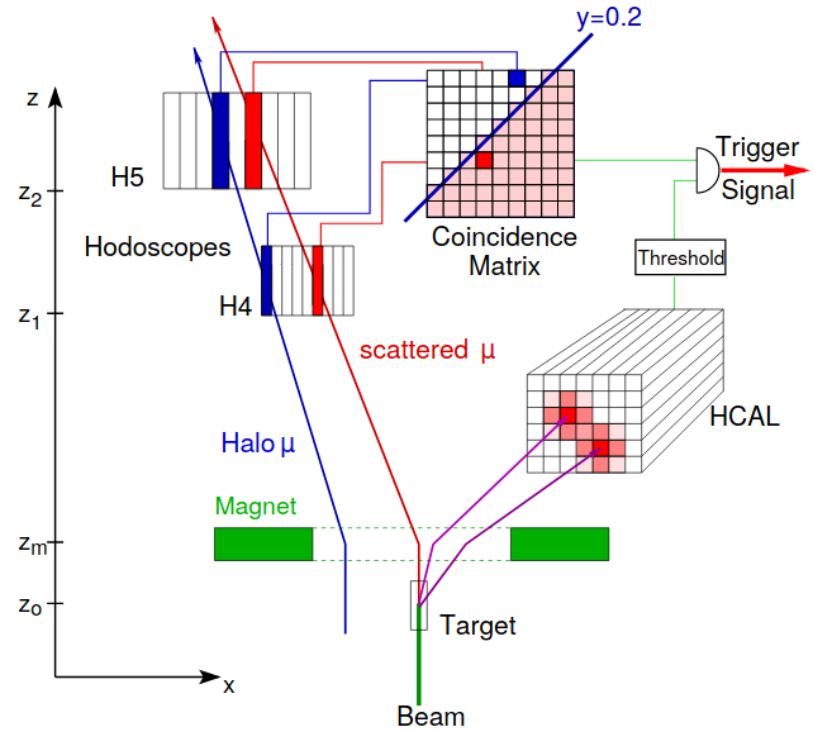
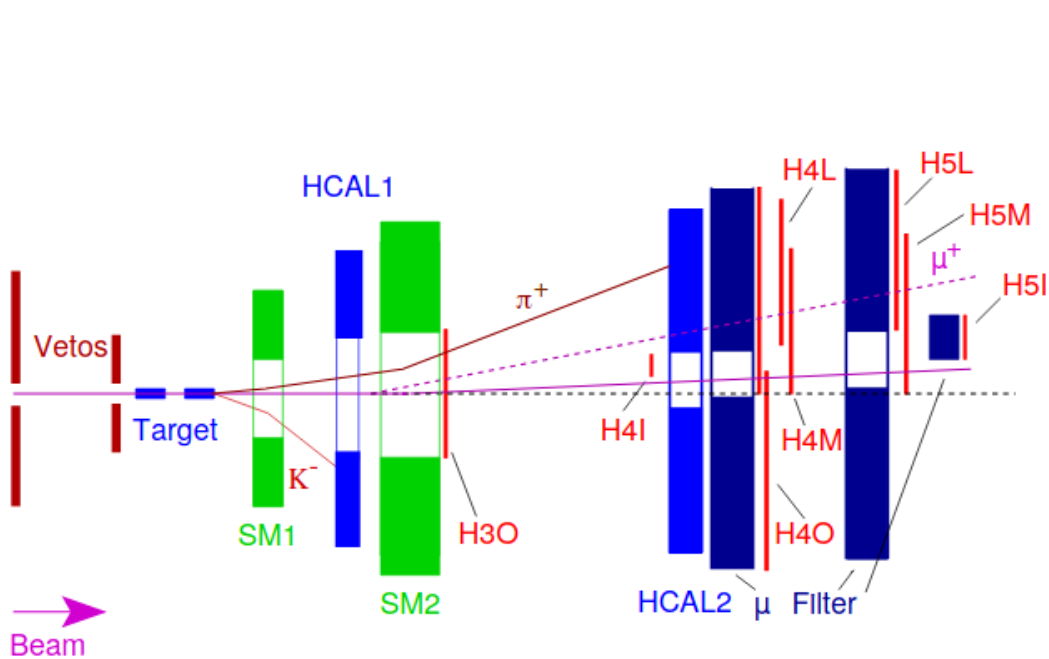
- Polarized target
- Large angular acceptance
- Broad kinematic range covered
- Muon and hadron beam
- High tracking power (~350 planes)
- Two stages spectrometer
  - Large Angle Spectrometer (LAS)
    - $35 \text{ mrad} < \theta < 180 \text{ mrad}$
    - SM1 magnet (1 T · m)
  - Small Angle Spectrometer (SAS)
    - $18 \text{ mrad} < \theta < 35 \text{ mrad}$
    - SM2 magnet (4.4 T · m)

Target	# of cells	Polarization
NH <sub>3</sub>	3	L&T, ~80-90 %
<sup>6</sup> LiD	2,3	L&T, ~50 %

# COMPASS spectrometer (target + LAS) – DY configuration

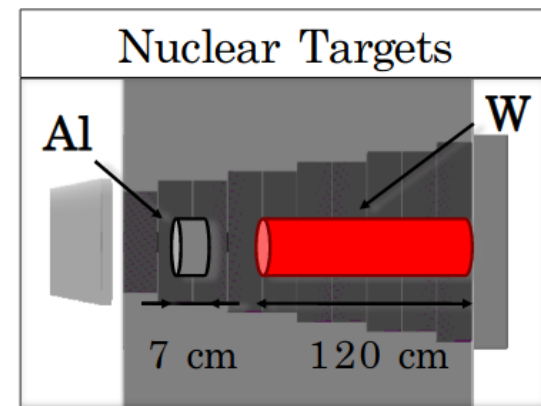
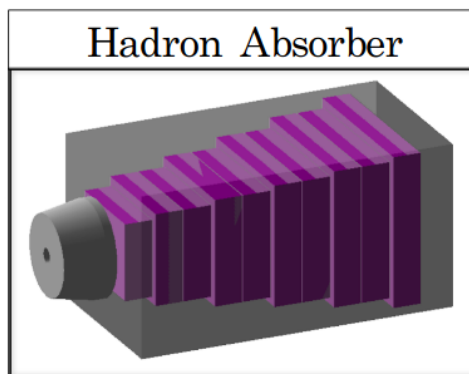
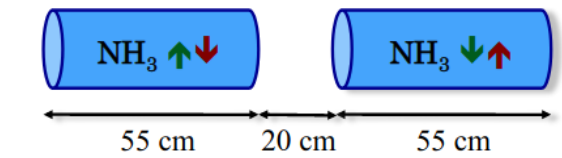
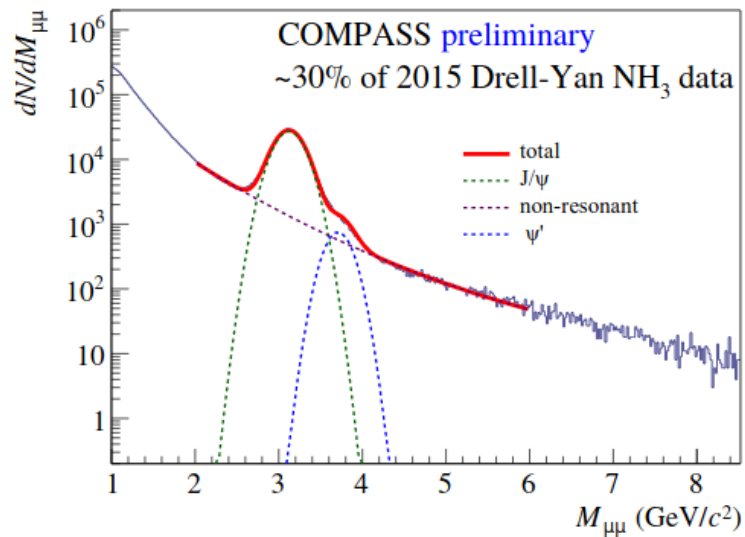
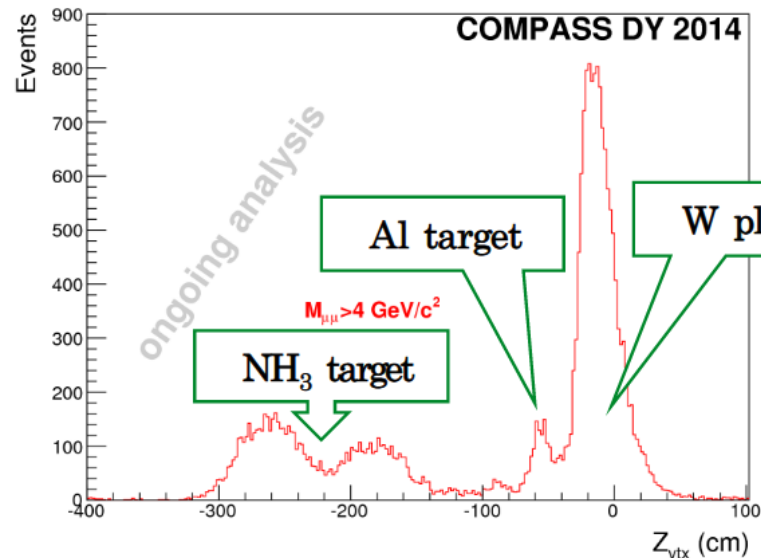
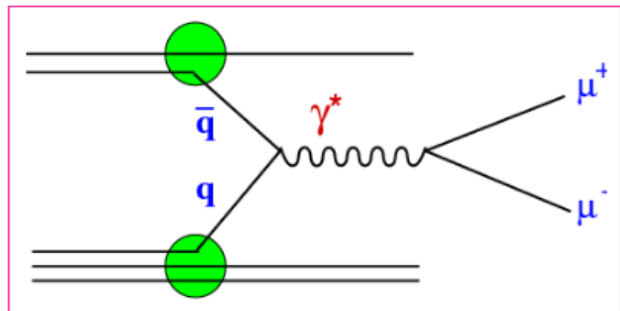


# Esquema do trigger de COMPASS (com feixe de muões)

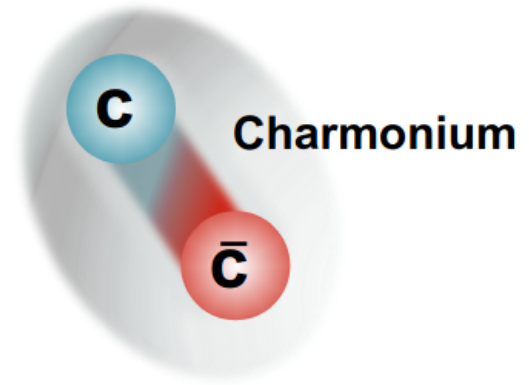
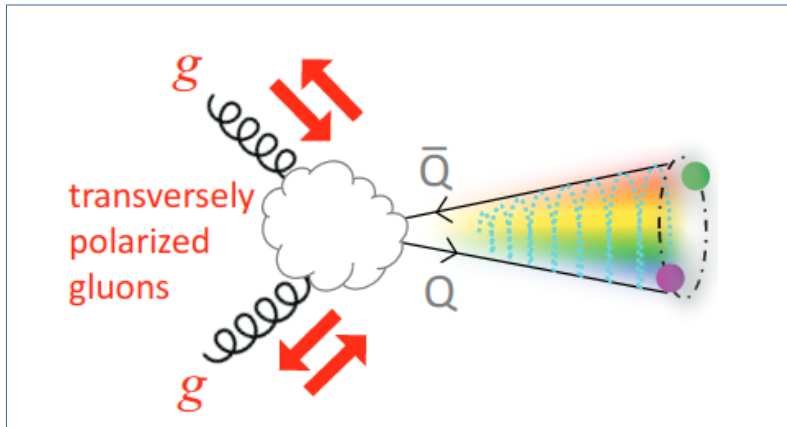
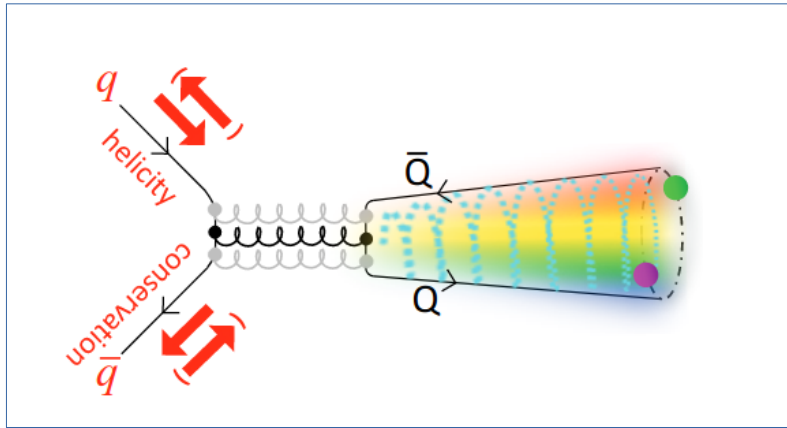


HL04/HL05 single muon trigger used for DIS

## Drell-Yan



# J/psi



J/psi produzido por aniquilação q-qbar

J/psi produzido por fusão gluão-gluão