

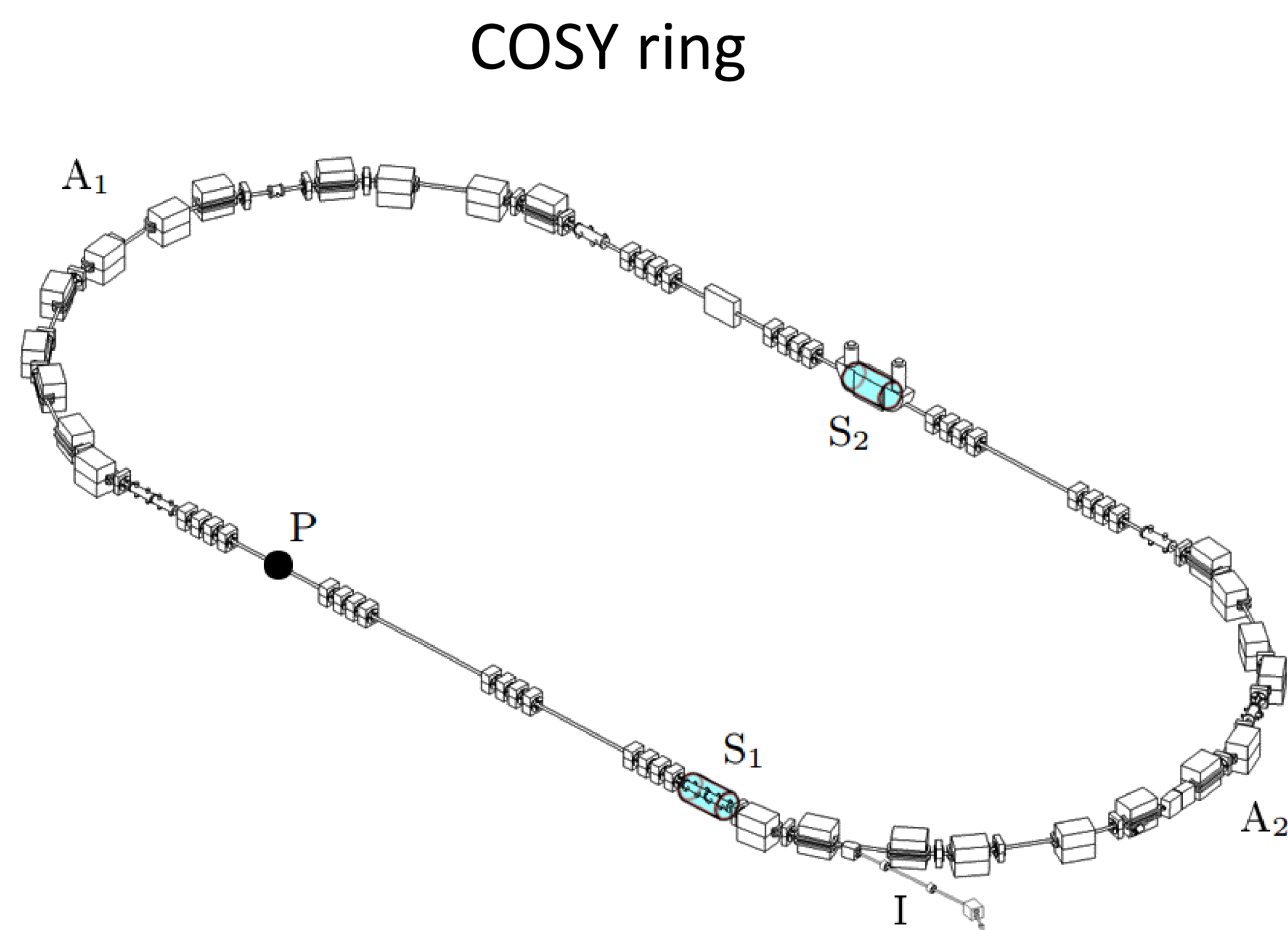
Spin tune mapping at COSY

Artem Saleev on behalf of JEDI Collaboration
Institute of Nuclear Physics - Forschungszentrum Jülich

- Arcs (A_1, A_2)

- Solenoids (S_1, S_2)

- Polarimeter (P)



- Systematic effects emerging from magnet misalignments may be misinterpreted as the signal of Electric Dipole Moment

- How to detect the presence of such effects and quantify them in the observable spin rotation?

- Excitation of spin rotation by solenoids and high-precision measurement of spin tune jump

High precision measurement of spin tune: a tool to quantify the systematic effects