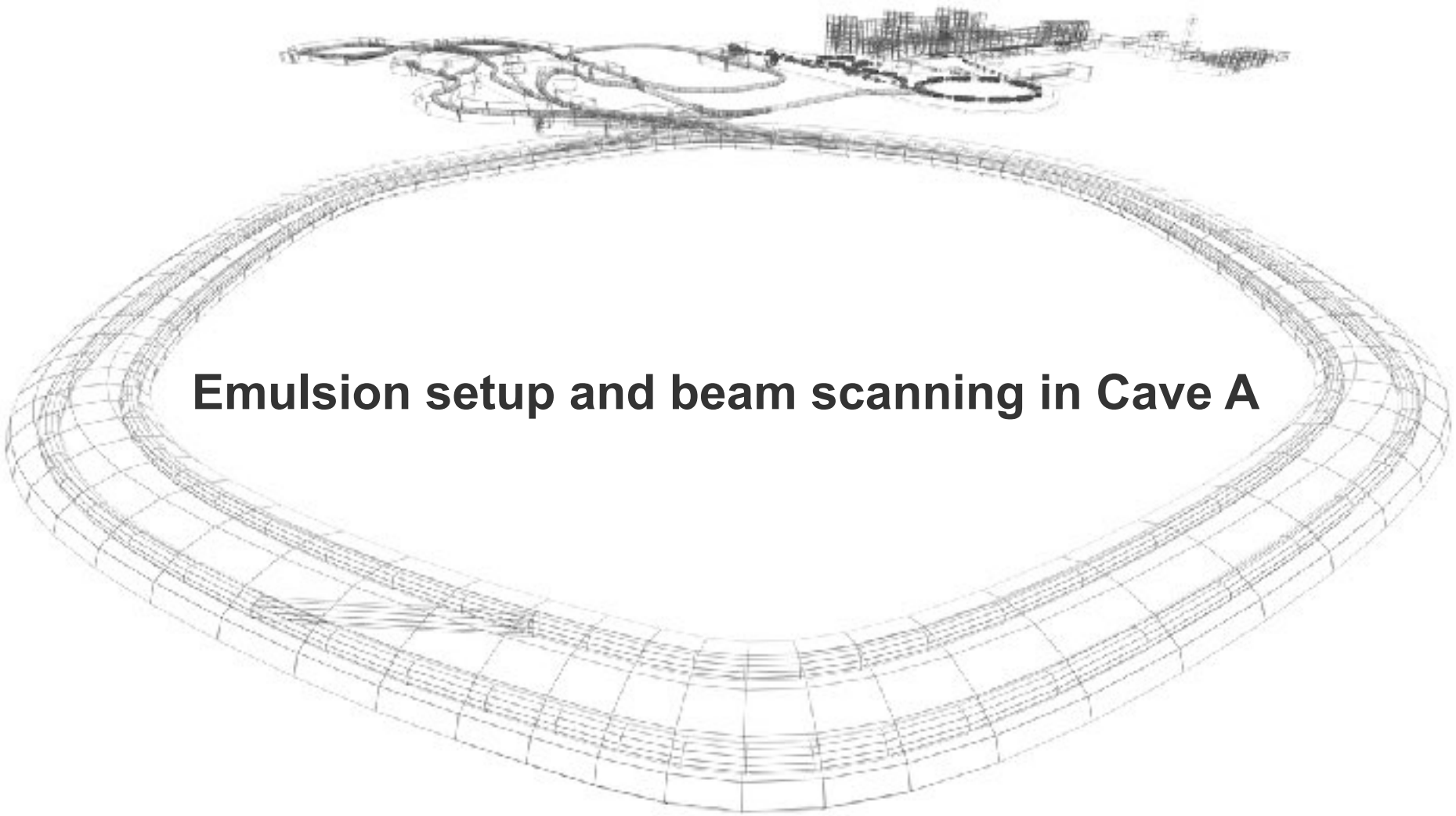

Emulsion setup and beam scanning in Cave A

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Exactly why magnetic scanning was invented

Ready for possible beamtime in 2018 @ GSI?

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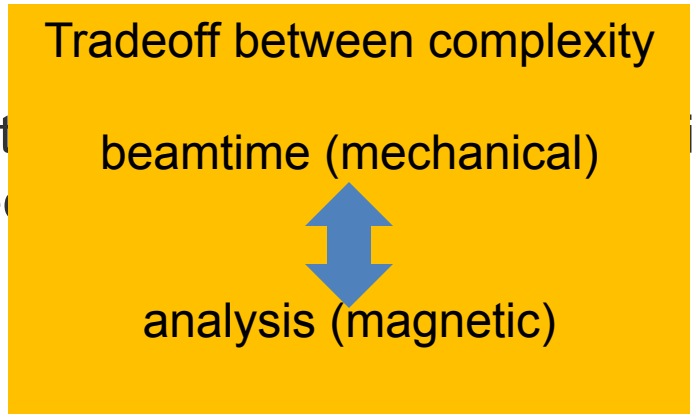

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Cave A scanner information

- Scanning is limited by
  - vacuum window size
    - (max 20 * 20 kevlar/kapton window(therapy)) Cave A/M
  - magnets
    - 0.5 T (Cave A)
    - 0.38 T (Cave M)
    - 0.31 T (CNAO)

2D – Magnetic scanning

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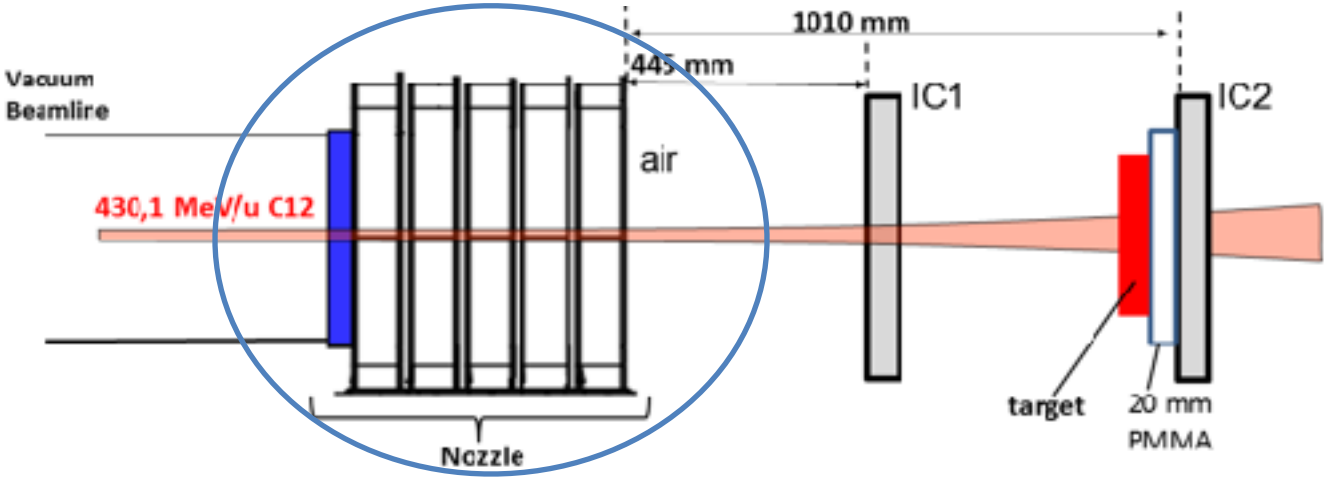
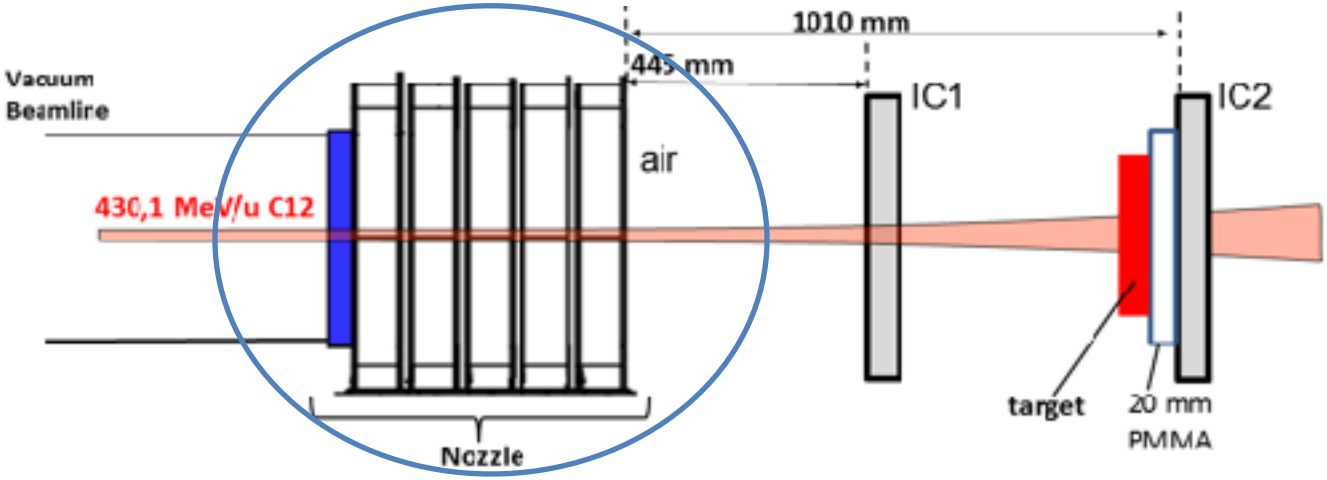


Real time control

Slow-control

2D – Magnetic scanning



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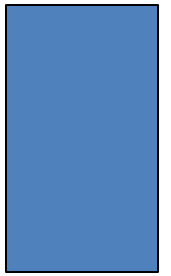
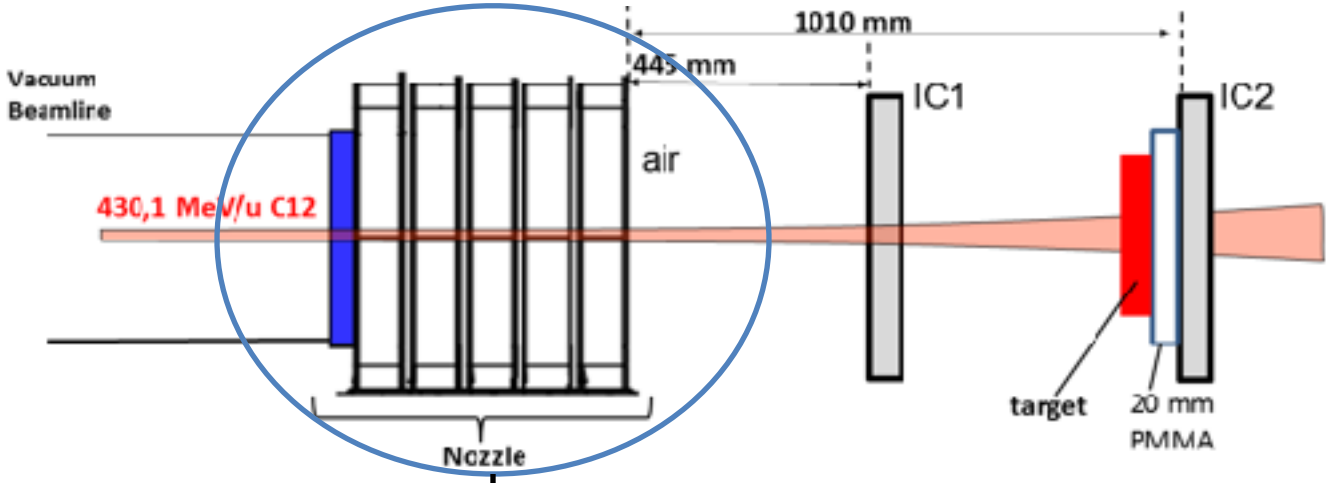


Nbr of particles

Magnet settings

2D – Magnetic scanning



Charge

Real time control

Slow-control

IFC (Terra)

Pulses

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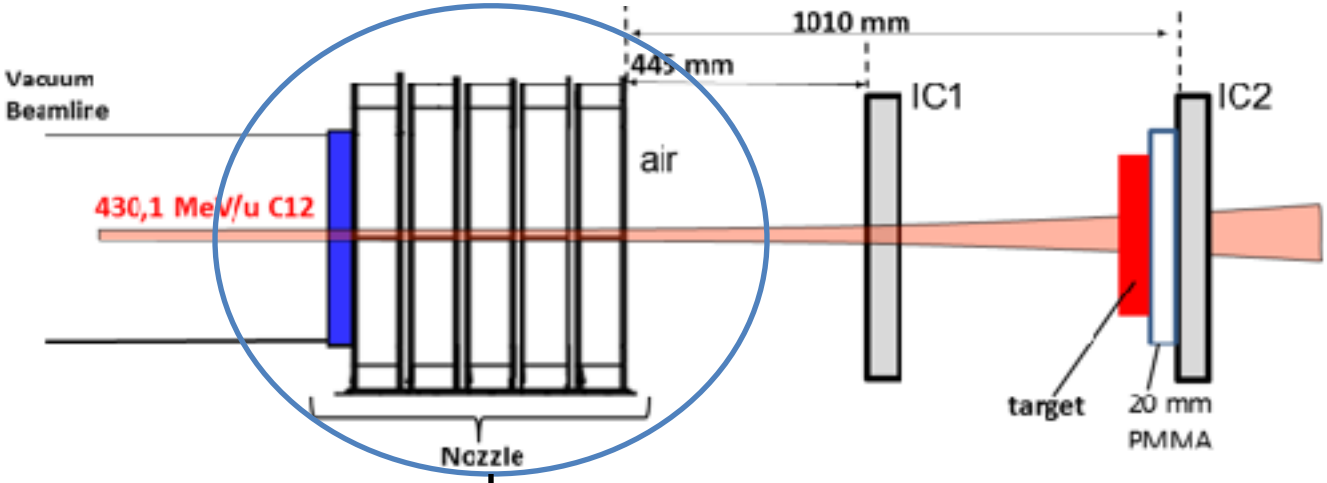

Charge

Real time control

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IFC (Terra)

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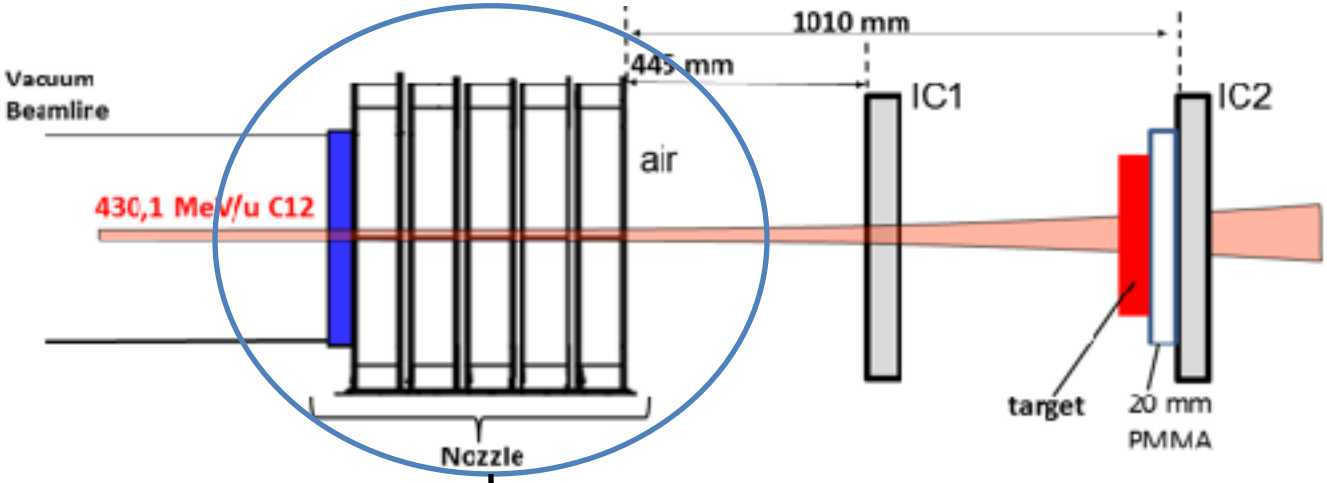
Magnet settings

2D – Magnetic scanning



Slow-control

Charge

Real time control

Scintillator + CFD

IFC (Terra)

Pulses

Nbr of particles

Magnet settings

Questions?