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## FCC as a nucleus-nucleus collider

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The remarkably efficient potential operation of the 100 km FCC as a heavy-ion collider was demonstrated right at the inception of the FCC study. Luminosity projections have risen in recent years in line with the higher intensity beams of lead nuclei now being collided in the LHC. Close contact with the physics working group has been maintained to evaluate the interest of heavy Pb-Pb, asymmetric p-Pb and collisions of lighter nuclei. Beam losses from effects like bound-free pair-production will be prodigious and measures to deal with them must be incorporated in the collider design from the beginning. The present status and needs for further study will be reviewed.

**Author:** JOWETT, John (CERN)**Co-authors:** SCHAUMANN, Michaela (CERN); LOGOTHETIS AGALOTIS, Efstathios (National Technical Univ. of Athens (GR))**Presenter:** JOWETT, John (CERN)**Session Classification:** FCC-hh accelerator**Track Classification:** FCC-hh ACC