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Recent results from the CARIBU facility

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CARIBU (Californium Rare Ion Breeder Upgrade) is a new source for neutron-rich short-lived isotopes that can be used for experiments directly with low energy beams or at Coulomb barrier energy after post-acceleration through the ATLAS superconducting linac located at Argonne National Laboratory. CARIBU uses a novel gas catcher based system to make available isotopes of all species produced by ^{252}Cf fission, independently of their chemical properties. It has now produced over 100 beams for experiments and these have been used successfully in campaigns of mass measurements at the CPT mass spectrometer and decay spectroscopy with the X-array, as well as a campaign of Coulomb excitation measurements with GRETINA and CHICO2. The CARIBU/ATLAS facility will be briefly described and recent results presented, together with ongoing upgrades to further improve its capabilities.

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