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IONIC LIQUIDS FOR CAP ELECTROCHEMICAL CONVE

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Young Researchers



Short Talk ID: Section 9: CO







^[4] Dębski, B. et al (2019), Journal of Molecular Liquids, 29



^[5] Lockett, V. et al, (2008), Journal of Physical Chemistry C, 112(19), 7486–7495



CVs' highlights: Onset potential of all the ILs is shifted to less negative powith CO₂.



- CP's highlights: comparing the CP's curves, for the same anion with EN with BMIM. Probably this trend is due to two aspects:
 - 1- A more convenient orientation reached by a shorter cation alkyl chain on t
 - 2- It can be linked to the conductivity of the catholyte. Catholyte conductivitie [EMIM][SO₃CF₃] solutions are higher than [BMIM][CO₂CH₃] and [BMIM][S





