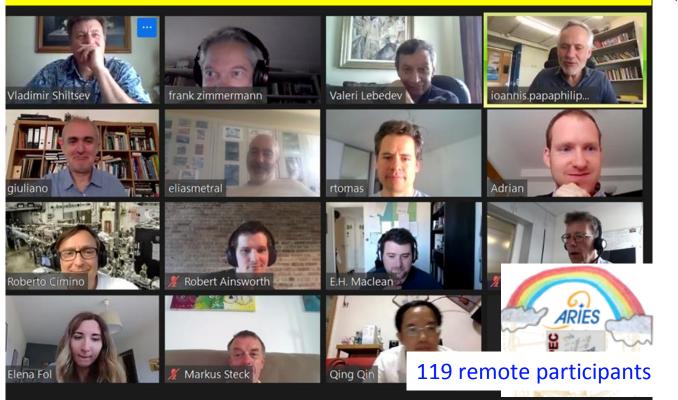
Applications of Crystals and Nanotubes for Acceleration and

Manipulation. 1-12 March HYBRID Workshop (65% Virtual)



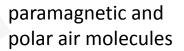
Mitigation Approaches for Hadron Storage Rings and Synchrotrons 22 June to 1 July – **100% VIRTUAL Workshop**



Trapping of Neutral Molecules or Flakes with EDM or MDM by the Electromagnetic Beam Field -

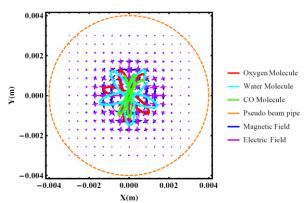
ARIES joint GSI-CERN-KEK study

motivated by LHC "16L2" phenomenon



Molecule	EDM [D]	MDM [BM]	m [amu]
H_2O	0.39	0	18
O_2	0	2.8	32
CO	0.025	0	28
N_2	0	0	28
CO_2	0	0	44

motion of EDM & MDM molecules



variation of radial density distribution of MDM molecules with normalized temperature

simulated distribution of EDM molecules around LHC beam

GSI

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