## EDMcubed: Measuring the electron electric dipole matrix element using BaF molecules embedded in an argon matrix

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The EDM<sup>3</sup> collaboration is pursuing a measurement of the electric dipole moment of the electron using barium monofluoride molecules embedded in a cryogenic argon solid. The method allows for very large samples of molecules to be used and therefore very good statistical uncertainties can be expected. The scheme also shows promise for control of systematic uncertainties. An update on our studies of matrix-isolated BaF molecules will be presented.

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