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## Probing transversity GPDs in diffractive electroproduction on the proton and deuteron at an EIC

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A future electron-ion collider (EIC) with forward detectors would allow for measurements of coherent production of two vector mesons on proton and deuteron targets. In kinematics where the two vector mesons are separated by a large rapidity gap, one vector meson is produced at large transverse momenta and the other is transversely polarized, this process can probe the transversity generalized parton distributions of the respective targets. We show estimates for cross sections of the  $\gamma^* N \rightarrow \rho\rho N'$ ,  $\gamma^* d \rightarrow \rho\omega N$  and  $\gamma^* D \rightarrow \rho\phi N$  processes at EIC kinematics, illustrating the feasibility of these measurements.

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