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Sharp Decay of Solutions to p-Fractional equations with Hardy Potentials

In this talk I will present a sharp decay for non-negative solutions of p-fractional equations with Hardy potentials with a critical exponent in the setting of homogeneous groups. In particular the decay of solutions to $\mathcal{L}_{s,p}u = \frac{|u|^{p^*_\alpha(s)-2}u}{|g|^\alpha}$ where $\mathcal{L}_{s,p}$ is the fractional p-Laplacian and $p^*_\alpha(s)$ is the fractional Hardy-Sobolev exponent will be discussed.